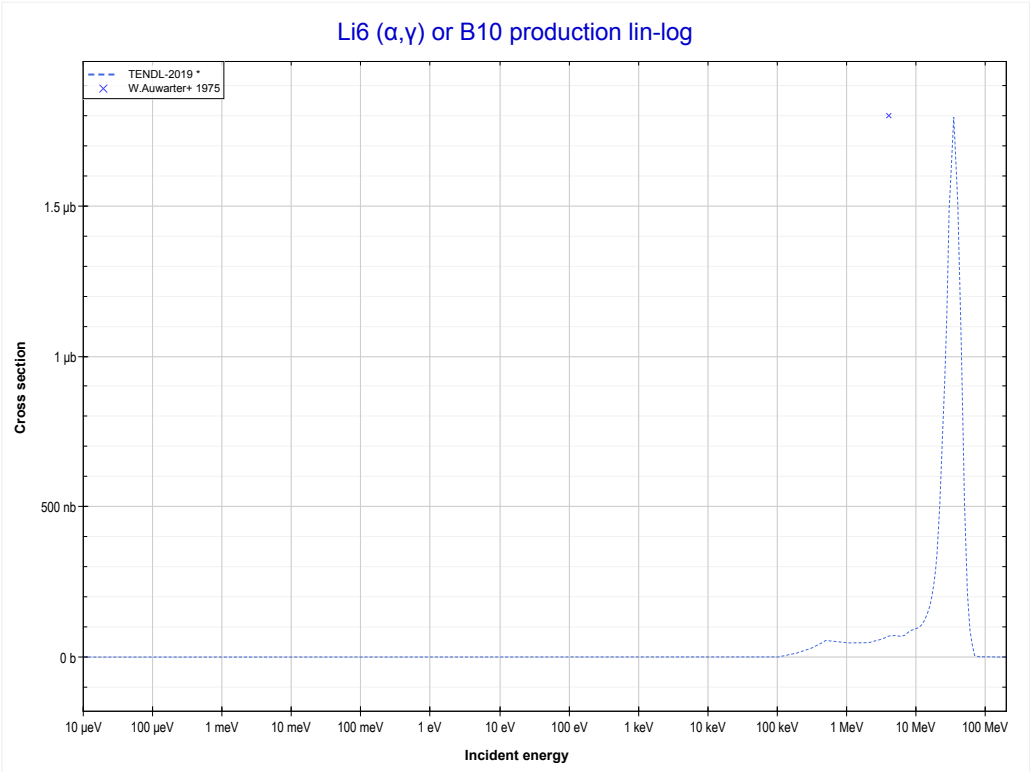
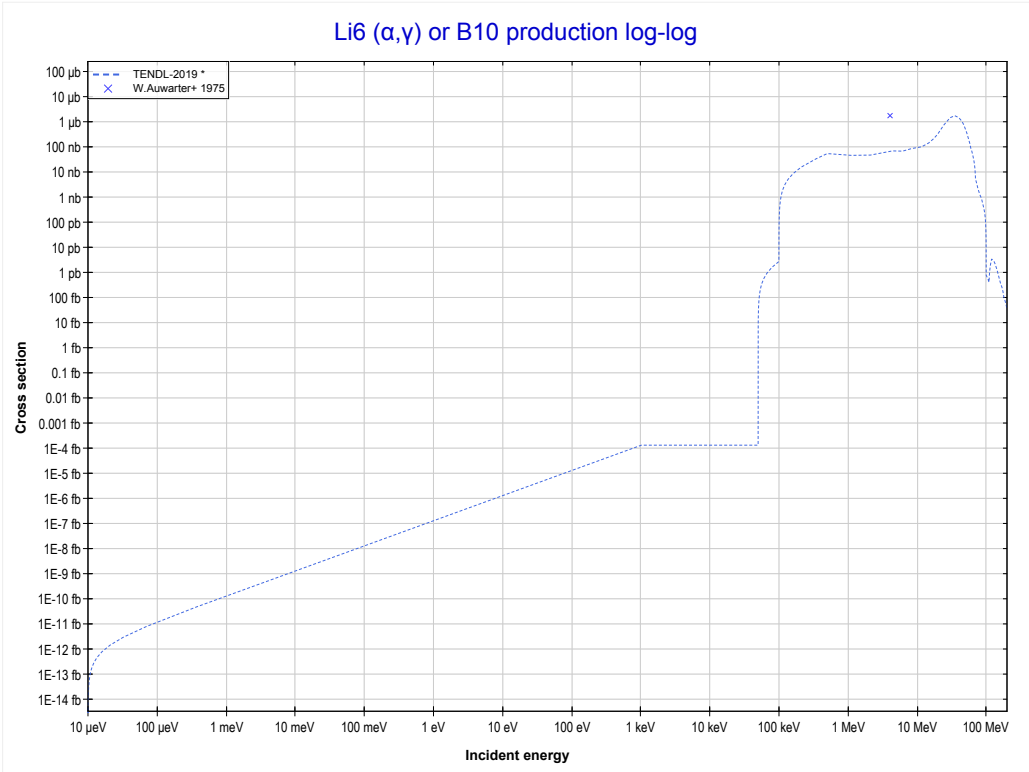
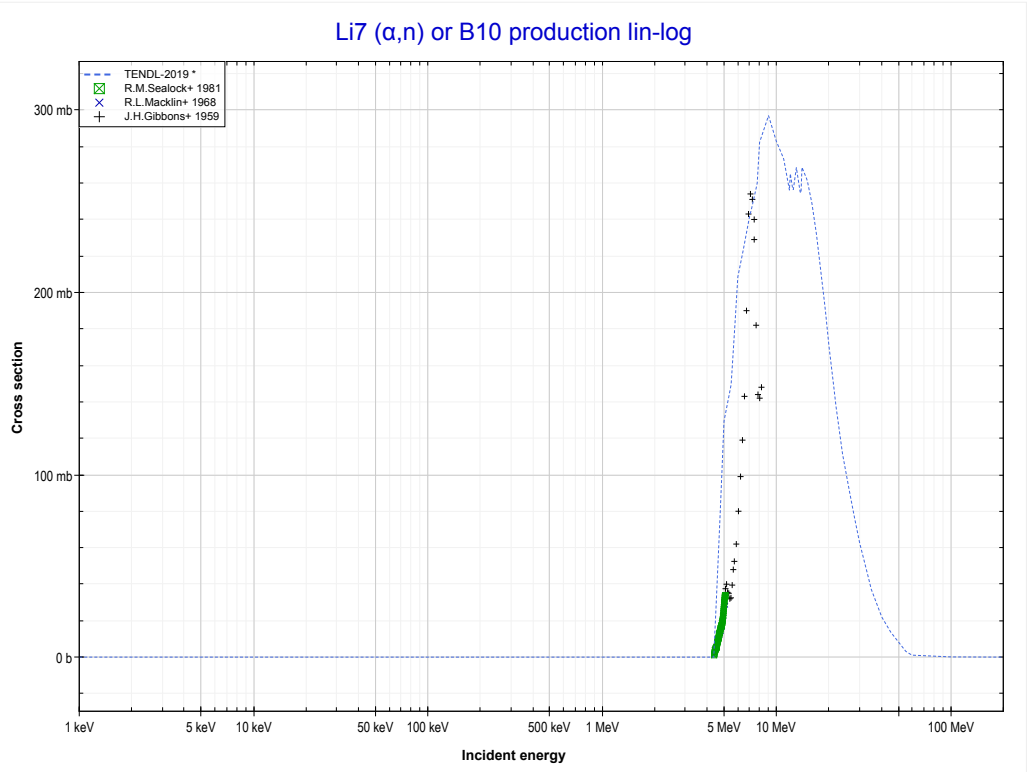
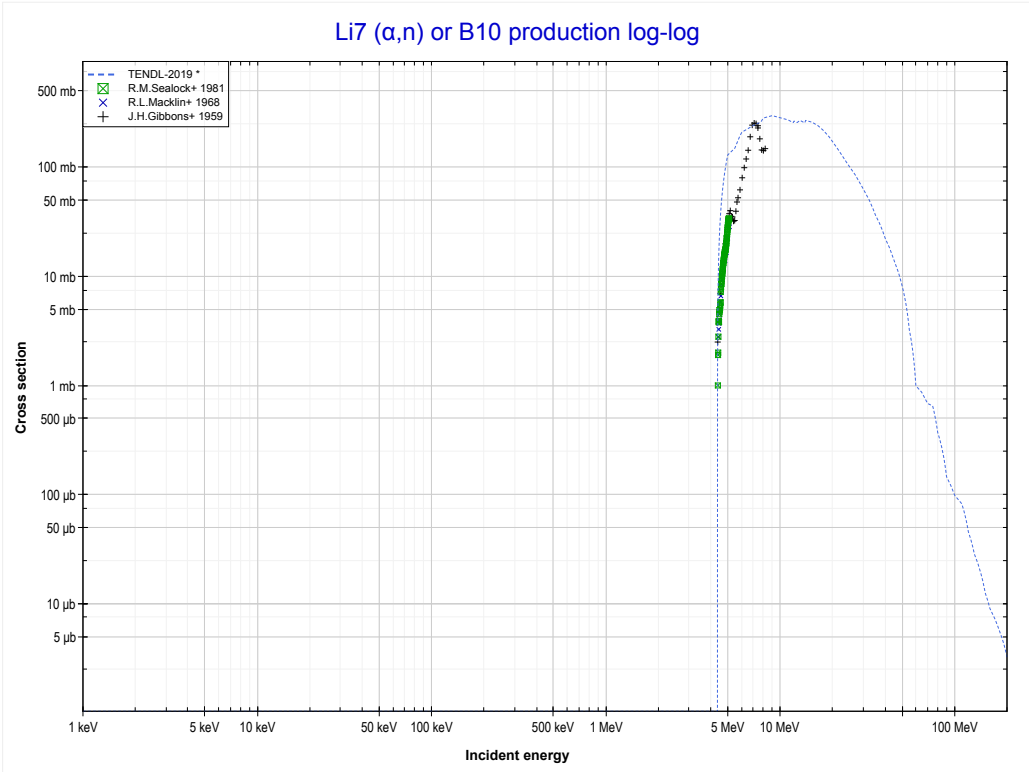


	3-Li-6	8-O-18 >>
	MT102 (α,γ) or MT5 (B10 production)	3-Li-7 MT4 (α,n) >>



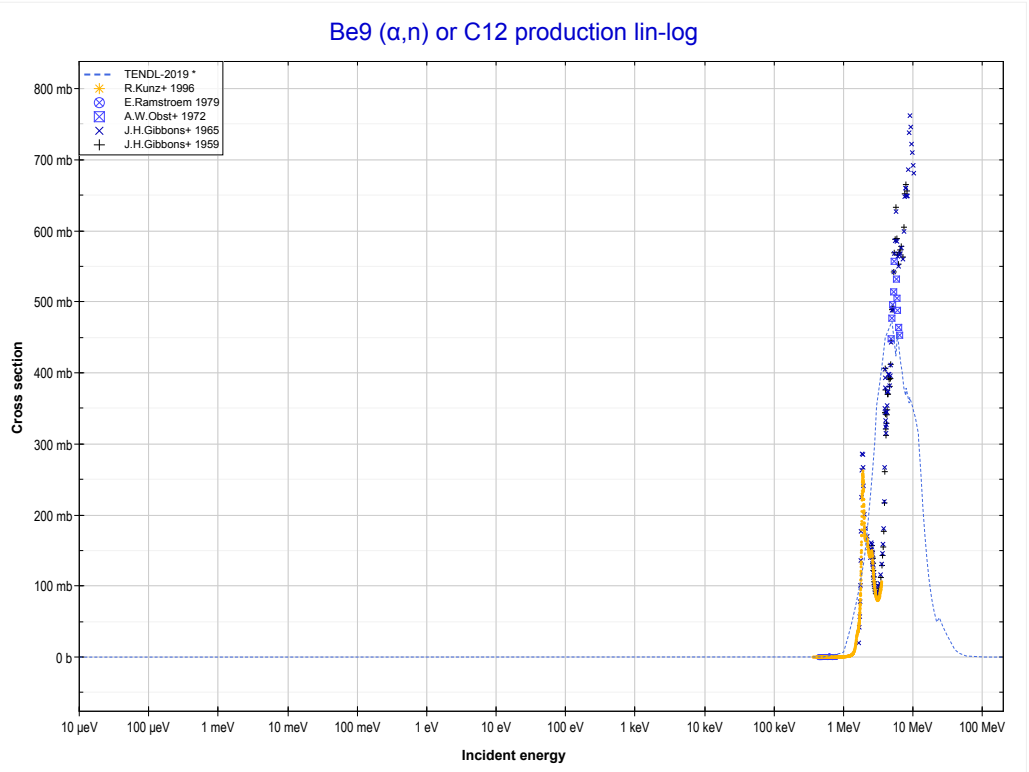
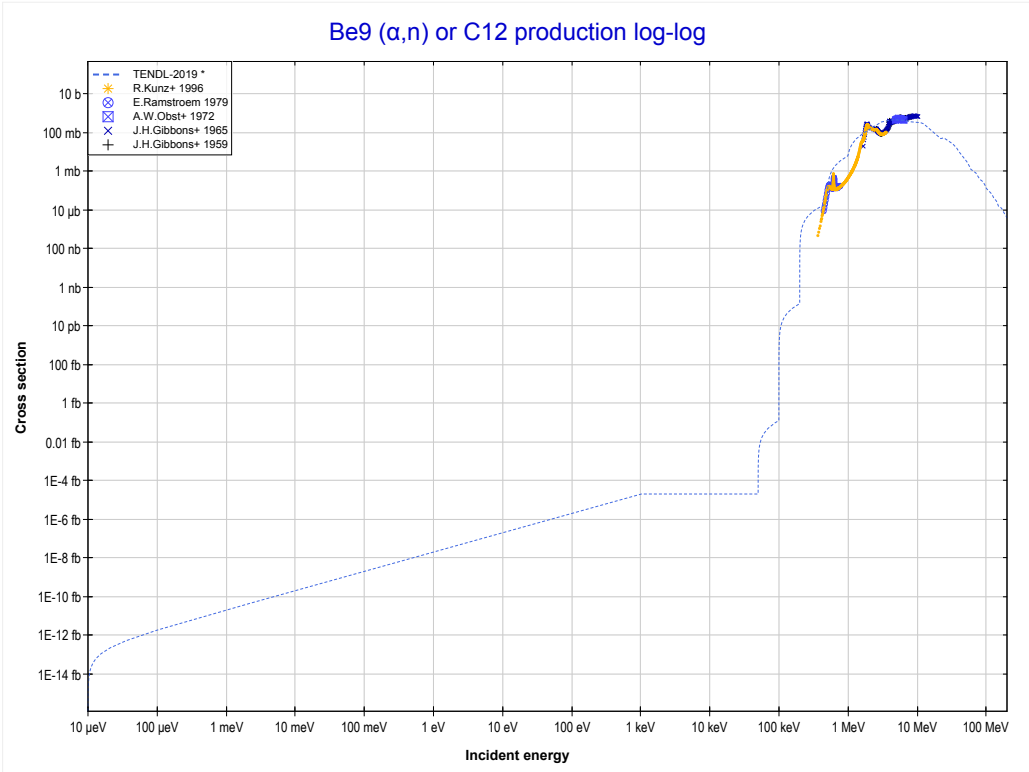
Reaction	Q-Value
Li6(α,γ)B10	4461.19 keV

	3-Li-7	4-Be-9 >>
<< 3-Li-6 MT102 (α,γ)	MT4 (α,n) or MT5 (B10 production)	4-Be-9 MT4 (α,n) >>



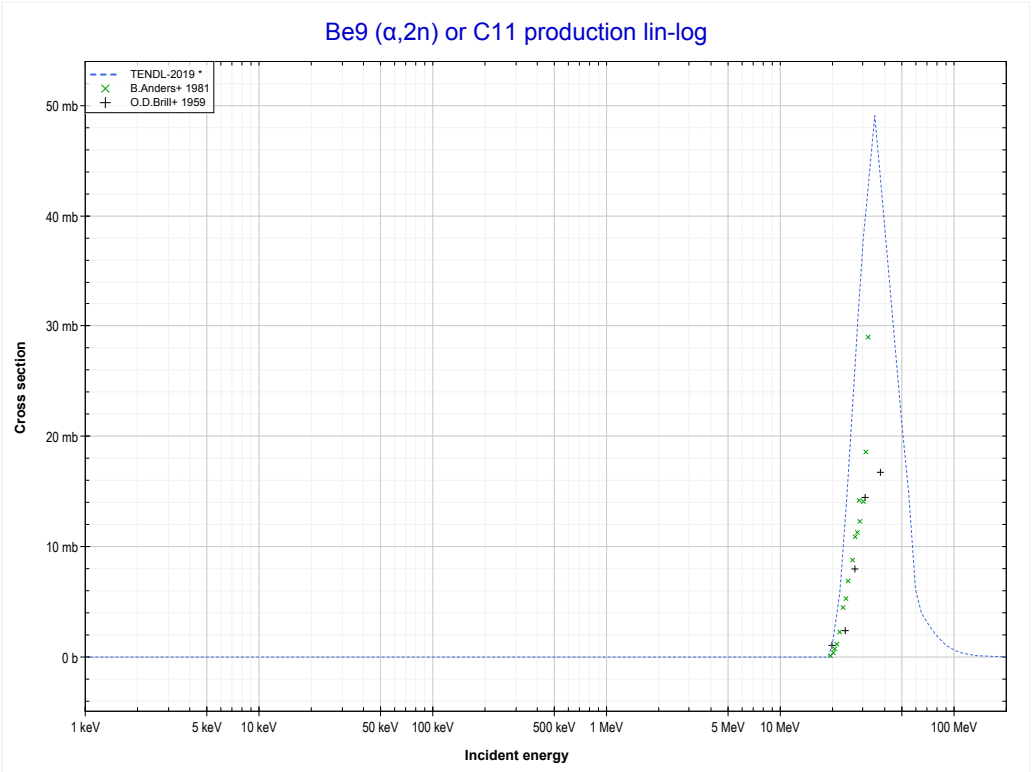
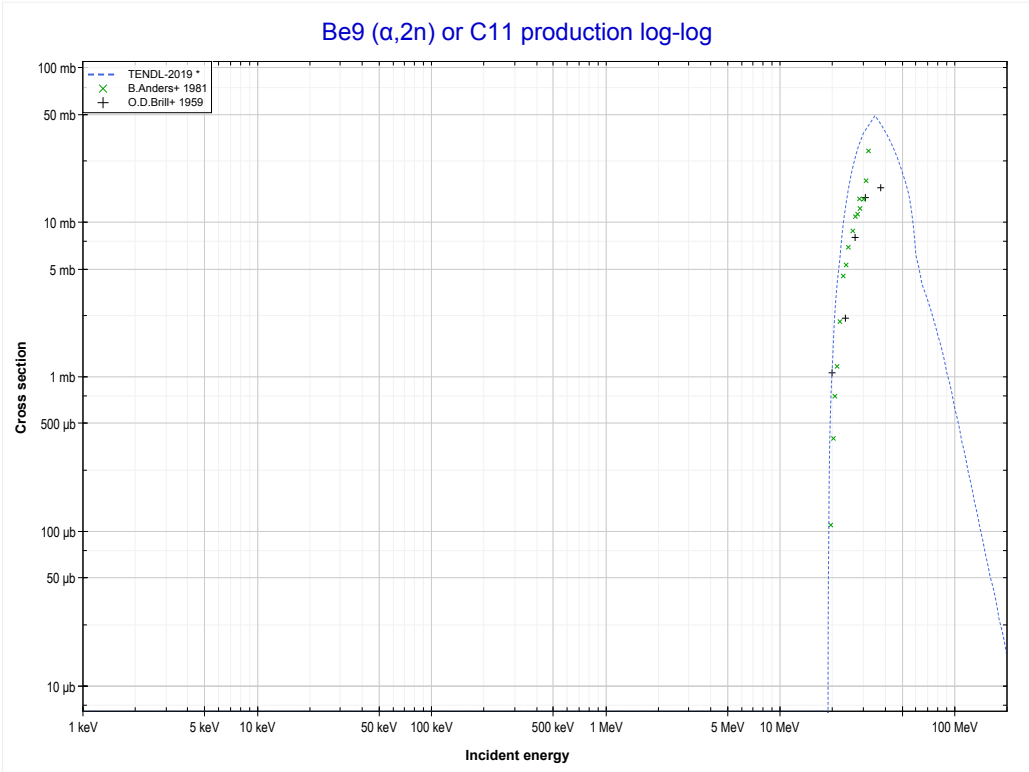
Reaction	Q-Value
Li7(α,n)B10	-2789.91 keV

<< 3-Li-7	4-Be-9	5-B-10 >>
<< 3-Li-7 MT4 (α,n)	MT4 (α,n) or MT5 (C12 production)	MT16 (α,2n) >>



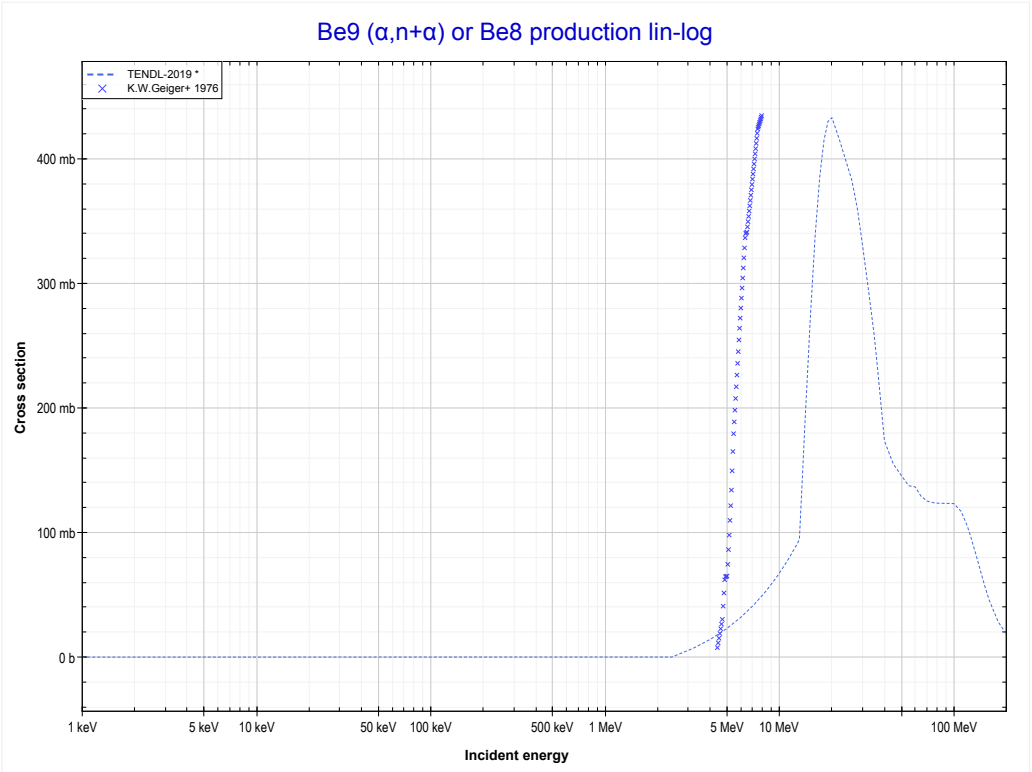
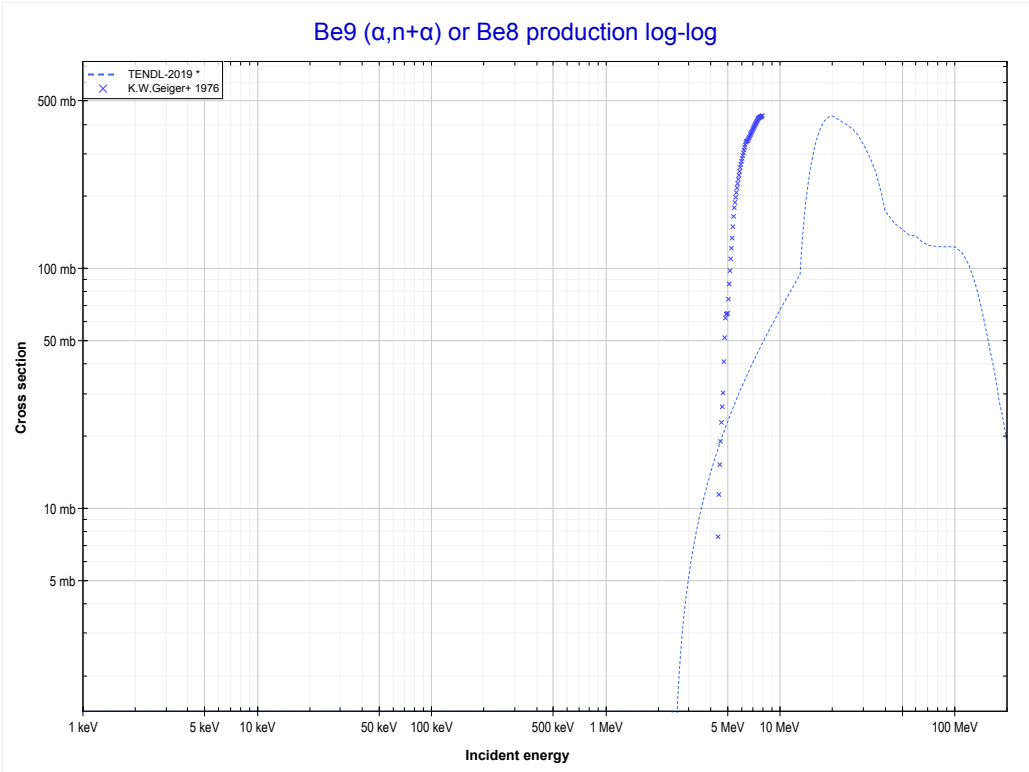
Reaction	Q-Value
Be9(α,n)C12	5702.05 keV

	4-Be-9	13-Al-27 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (C11 production)	MT22 (α,n+α) >>



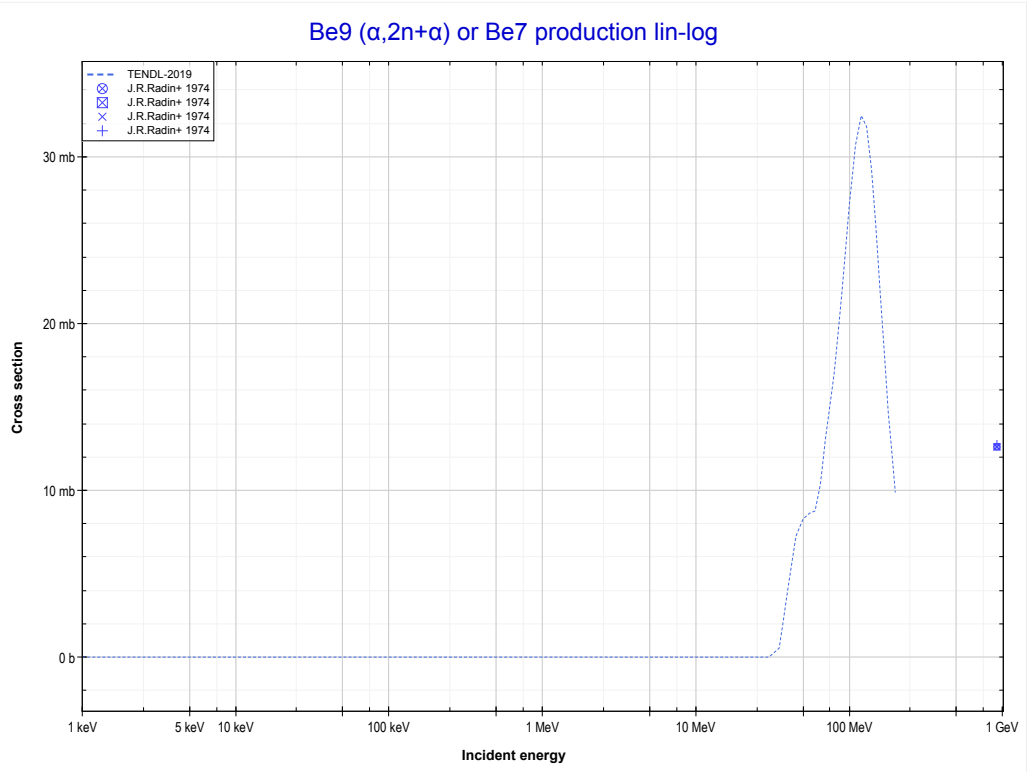
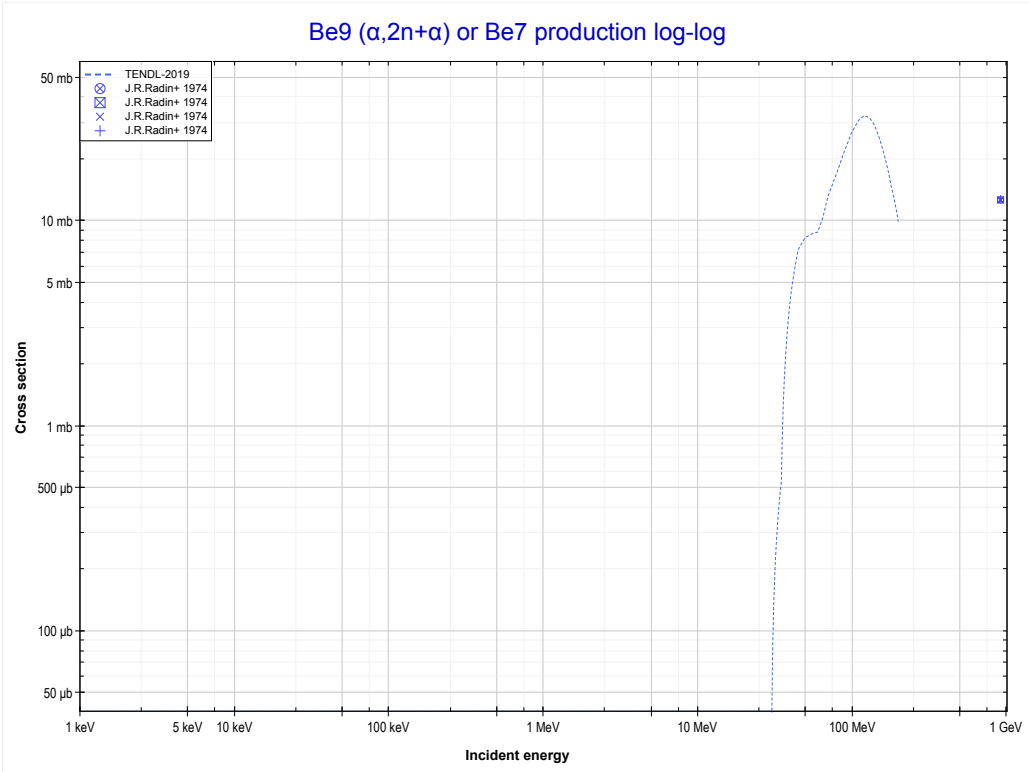
Reaction	Q-Value
Be9(α,2n)C11	-13018.67 keV

	4-Be-9	6-C-12 >>
<< MT16 (α,2n)	MT22 (α,n+α) or MT5 (Be8 production)	MT24 (α,2n+α) >>



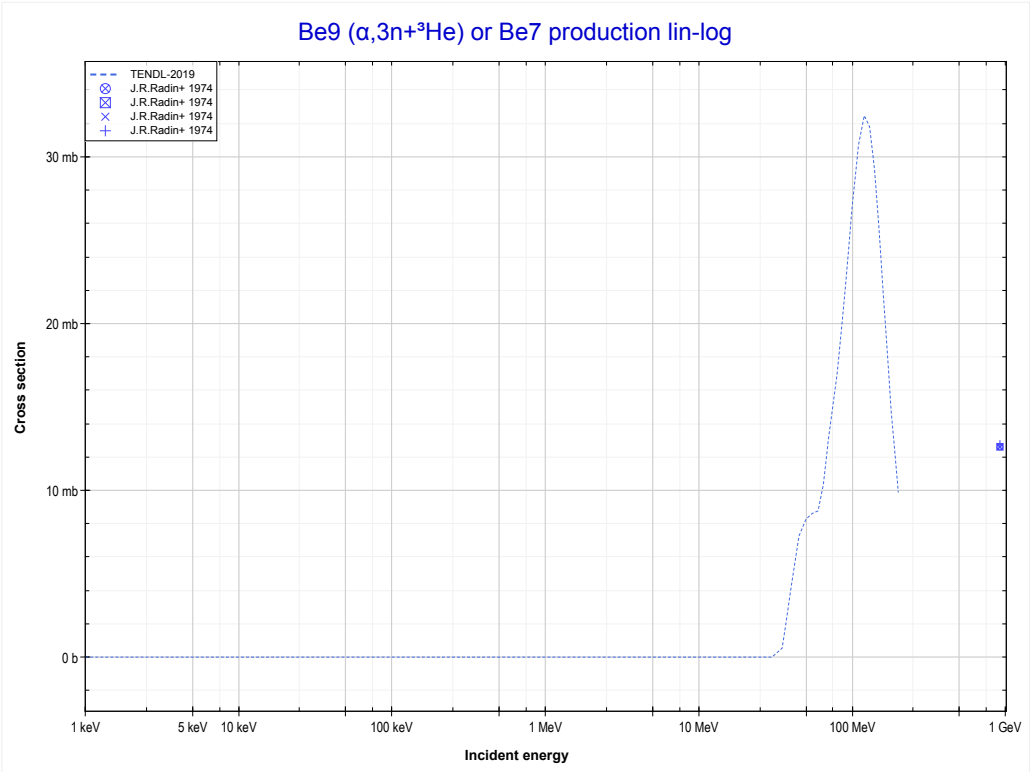
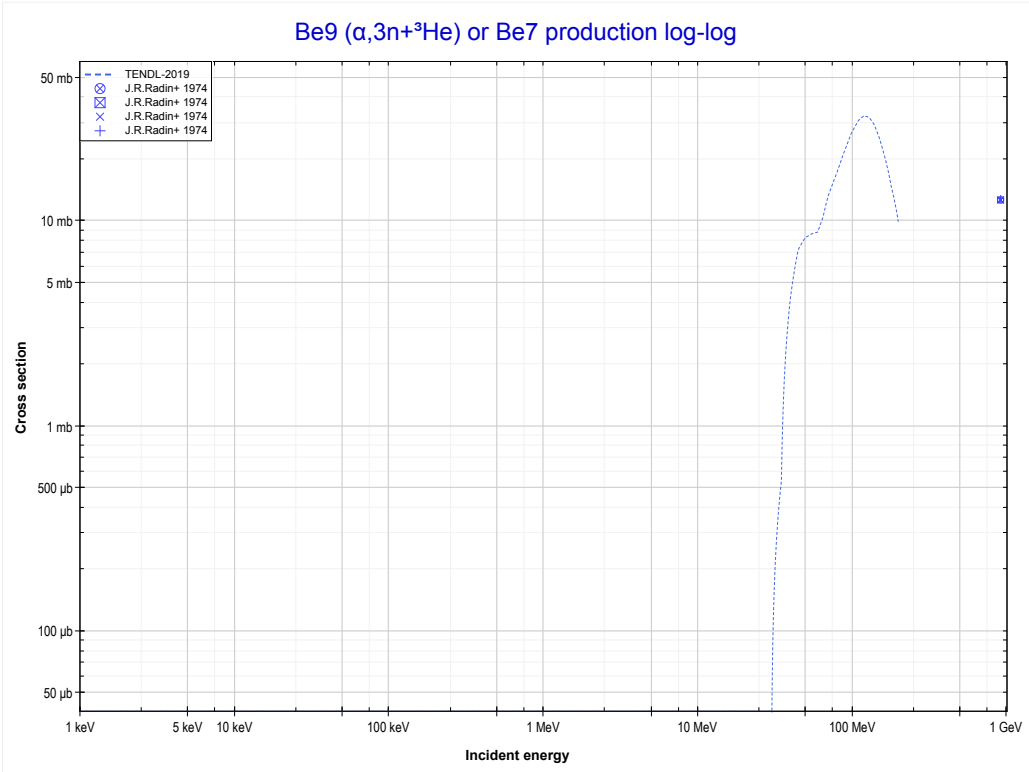
Reaction	Q-Value
Be9(α,n+α)Be8	-1664.54 keV
Be9(α,d+t)Be8	-19253.84 keV
Be9(α,n+p+t)Be8	-21478.40 keV
Be9(α,2n+He3)Be8	-22242.16 keV
Be9(α,n+2d)Be8	-25511.06 keV
Be9(α,2n+p+d)Be8	-27735.63 keV
Be9(α,3n+2p)Be8	-29960.20 keV

	4-Be-9	6-C-12 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Be7 production)	MT177 ($\alpha,3n+{}^3\text{He}$) >>



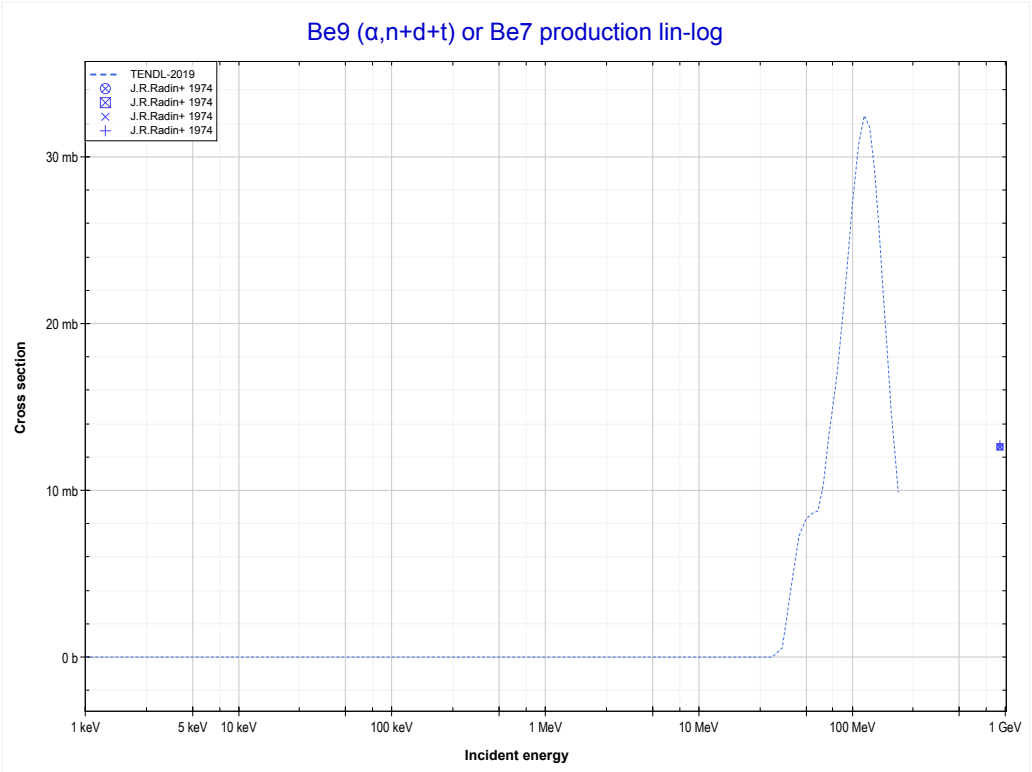
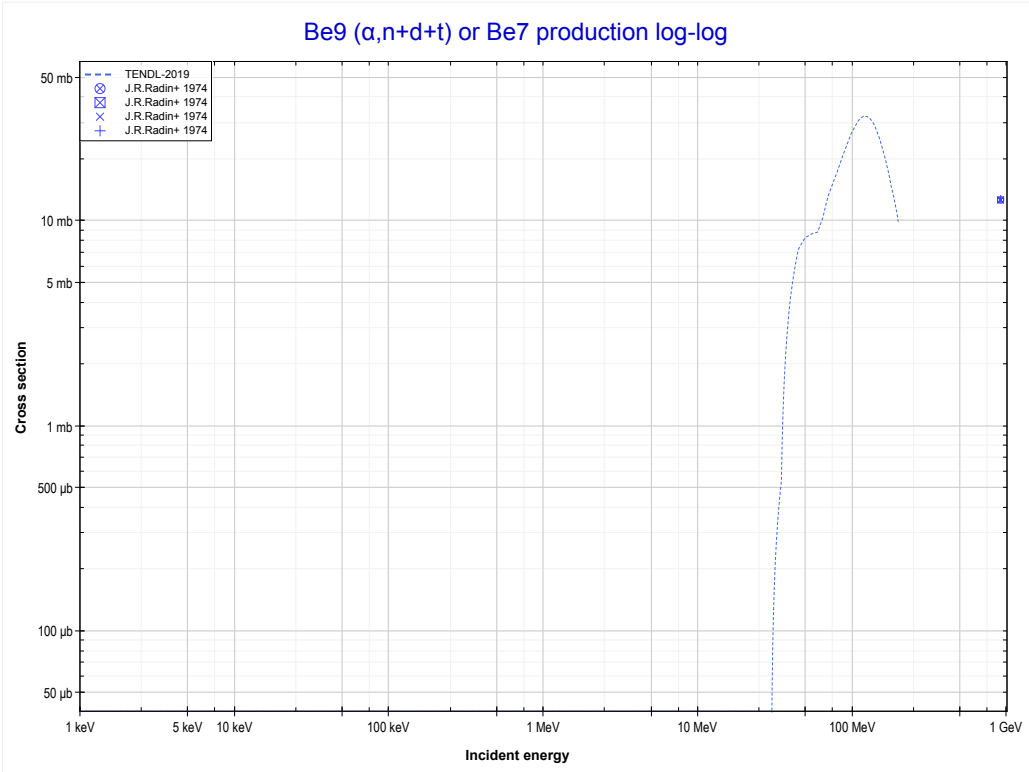
Reaction	Q-Value
Be9($\alpha,2n+\alpha$)Be7	-20563.18 keV
Be9($\alpha,2t$)Be7	-31895.25 keV
Be9($\alpha,n+d+t$)Be7	-38152.48 keV
Be9($\alpha,2n+p+t$)Be7	-40377.05 keV
Be9($\alpha,3n+{}^3\text{He}$)Be7	-41140.80 keV
Be9($\alpha,2n+2d$)Be7	-44409.71 keV
Be9($\alpha,3n+p+d$)Be7	-46634.28 keV
Be9($\alpha,4n+2p$)Be7	-48858.84 keV

	4-Be-9	6-C-12 >>
<< MT24 ($\alpha,2n+\alpha$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Be7 production)	MT185 ($\alpha,n+d+t$) >>



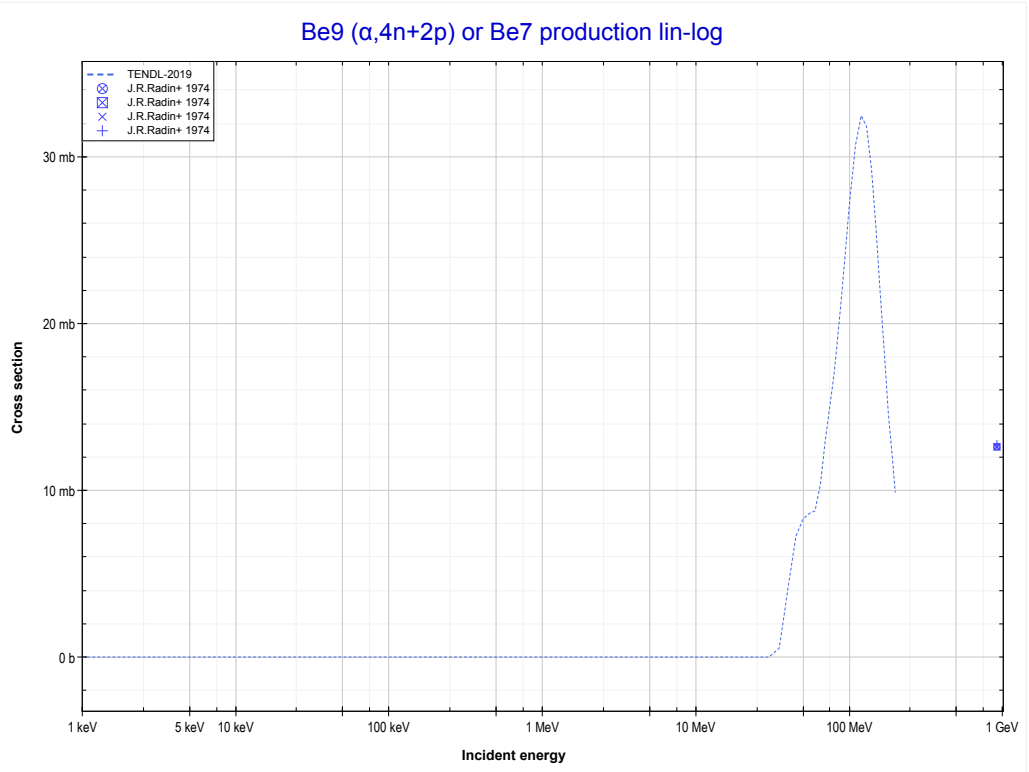
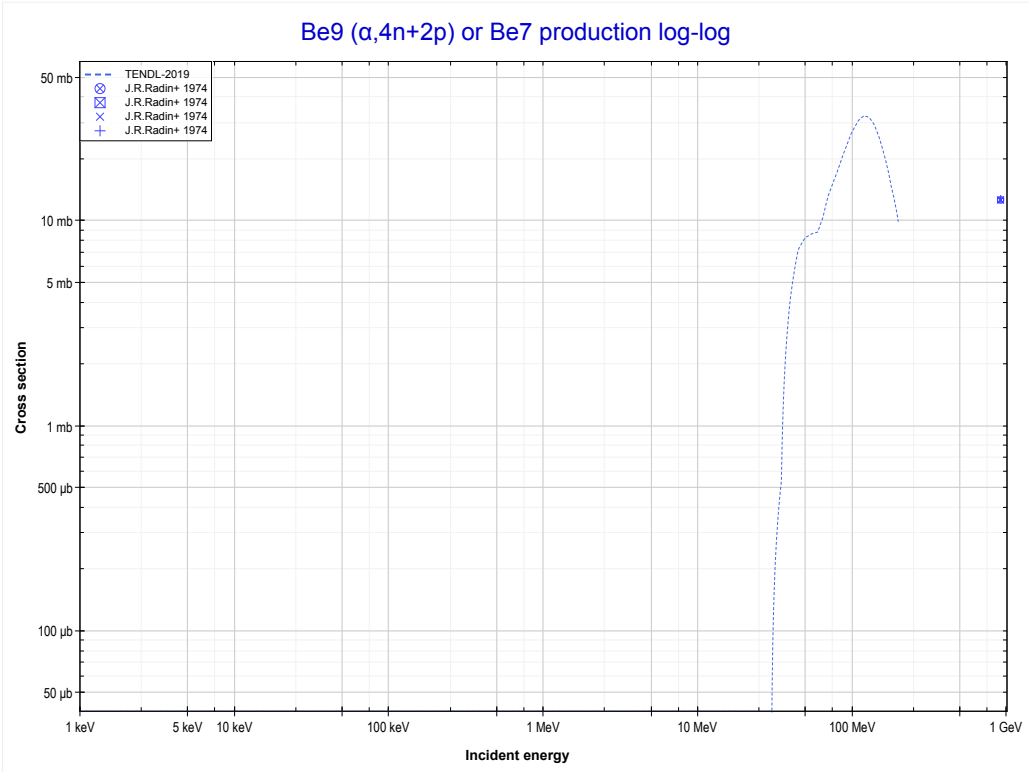
Reaction	Q-Value
Be9($\alpha,2n+\alpha$)Be7	-20563.18 keV
Be9($\alpha,2t$)Be7	-31895.25 keV
Be9($\alpha,n+d+t$)Be7	-38152.48 keV
Be9($\alpha,2n+p+t$)Be7	-40377.05 keV
Be9($\alpha,3n+^3\text{He}$)Be7	-41140.80 keV
Be9($\alpha,2n+2d$)Be7	-44409.71 keV
Be9($\alpha,3n+p+d$)Be7	-46634.28 keV
Be9($\alpha,4n+2p$)Be7	-48858.84 keV

	4-Be-9	6-C-12 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT185 ($\alpha,n+d+t$) or MT5 (Be7 production)	MT194 ($\alpha,4n+2p$) >>



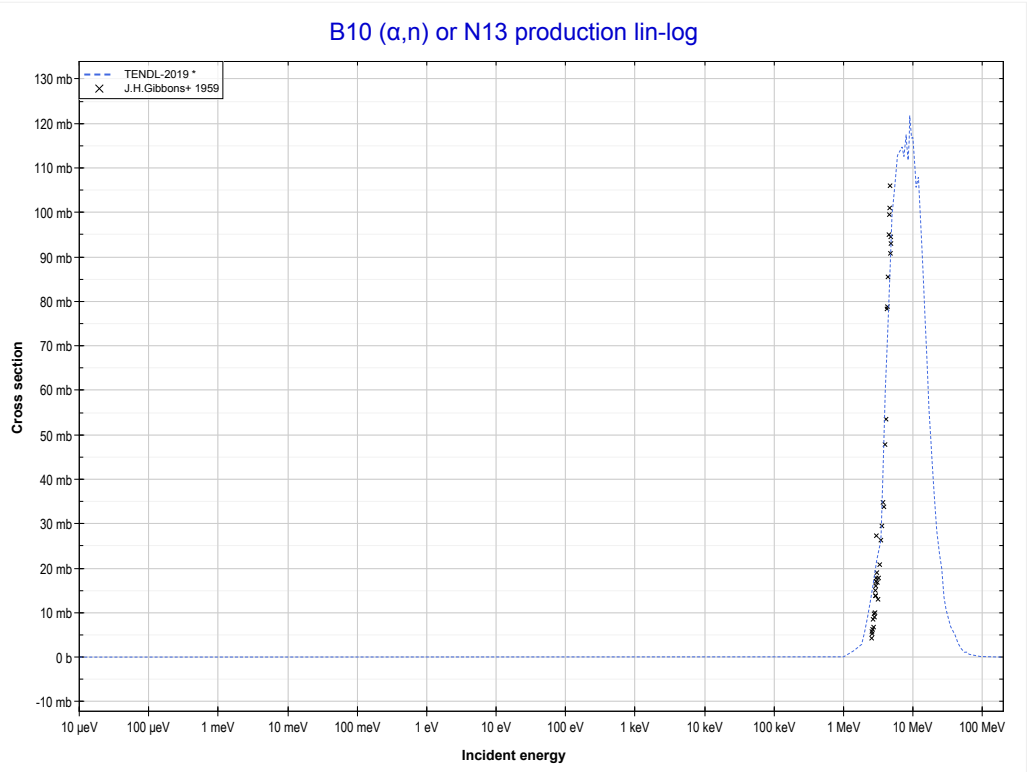
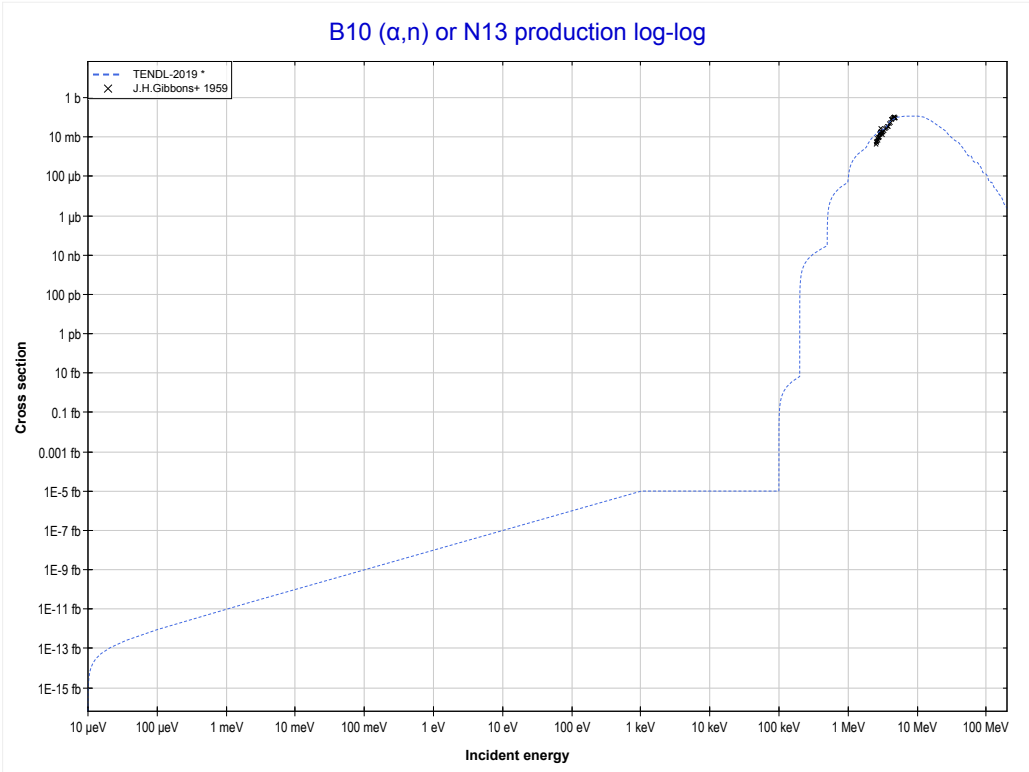
Reaction	Q-Value
Be9($\alpha,2n+\alpha$)Be7	-20563.18 keV
Be9($\alpha,2t$)Be7	-31895.25 keV
Be9($\alpha,n+d+t$)Be7	-38152.48 keV
Be9($\alpha,2n+p+t$)Be7	-40377.05 keV
Be9($\alpha,3n+^3\text{He}$)Be7	-41140.80 keV
Be9($\alpha,2n+2d$)Be7	-44409.71 keV
Be9($\alpha,3n+p+d$)Be7	-46634.28 keV
Be9($\alpha,4n+2p$)Be7	-48858.84 keV

	4-Be-9	6-C-12 >>
<< MT185 (α,n+d+t)	MT194 (α,4n+2p) or MT5 (Be7 production)	5-B-10 MT4 (α,n) >>



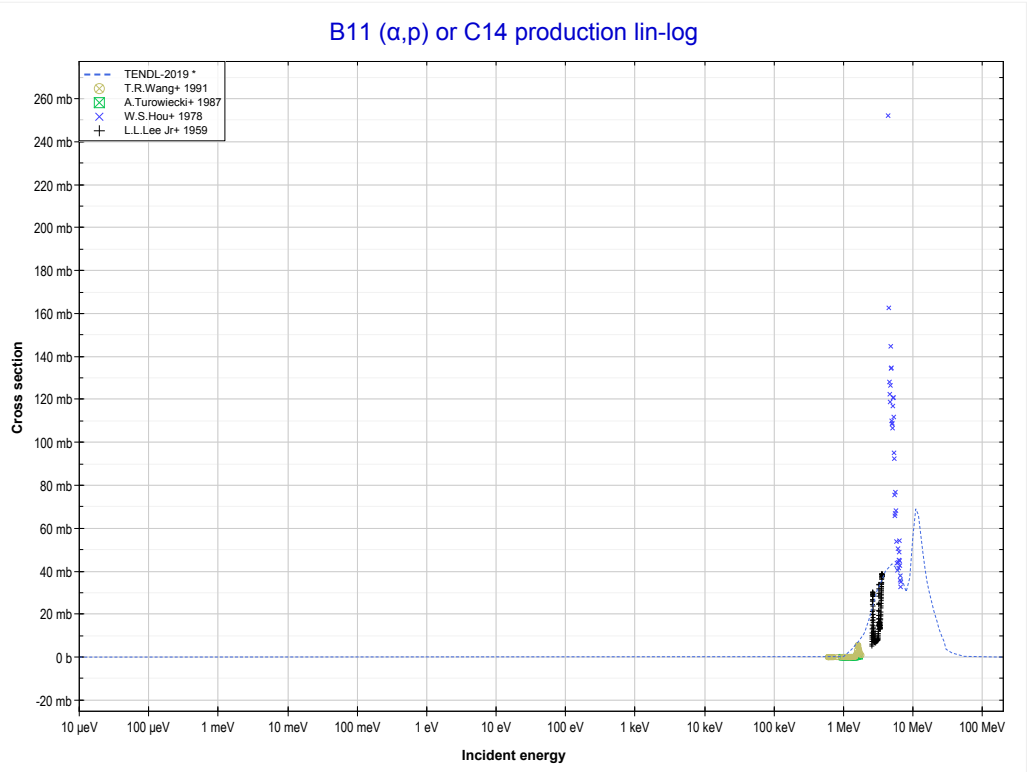
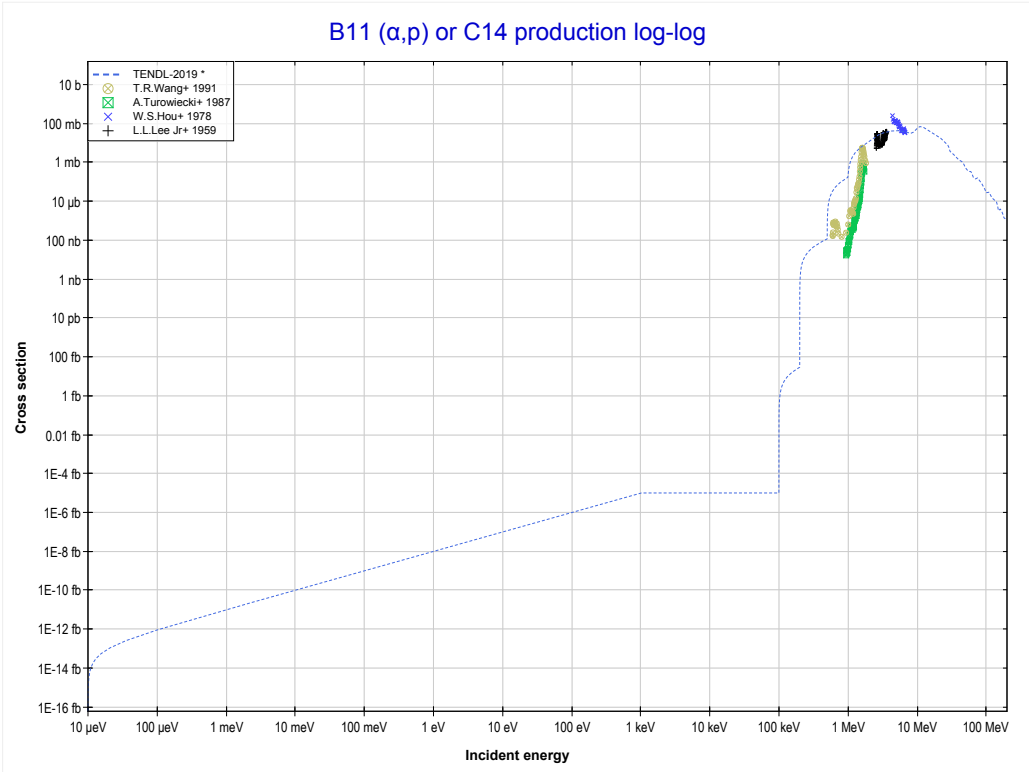
Reaction	Q-Value
Be9(α,2n+α)Be7	-20563.18 keV
Be9(α,2t)Be7	-31895.25 keV
Be9(α,n+d+t)Be7	-38152.48 keV
Be9(α,2n+p+t)Be7	-40377.05 keV
Be9(α,3n+He3)Be7	-41140.80 keV
Be9(α,2n+2d)Be7	-44409.71 keV
Be9(α,3n+p+d)Be7	-46634.28 keV
Be9(α,4n+2p)Be7	-48858.84 keV

<< 4-Be-9	5-B-10	6-C-12 >>
<< 4-Be-9 MT194 (α ,4n+2p)	MT4 (α ,n) or MT5 (N13 production)	5-B-11 MT103 (α ,p) >>



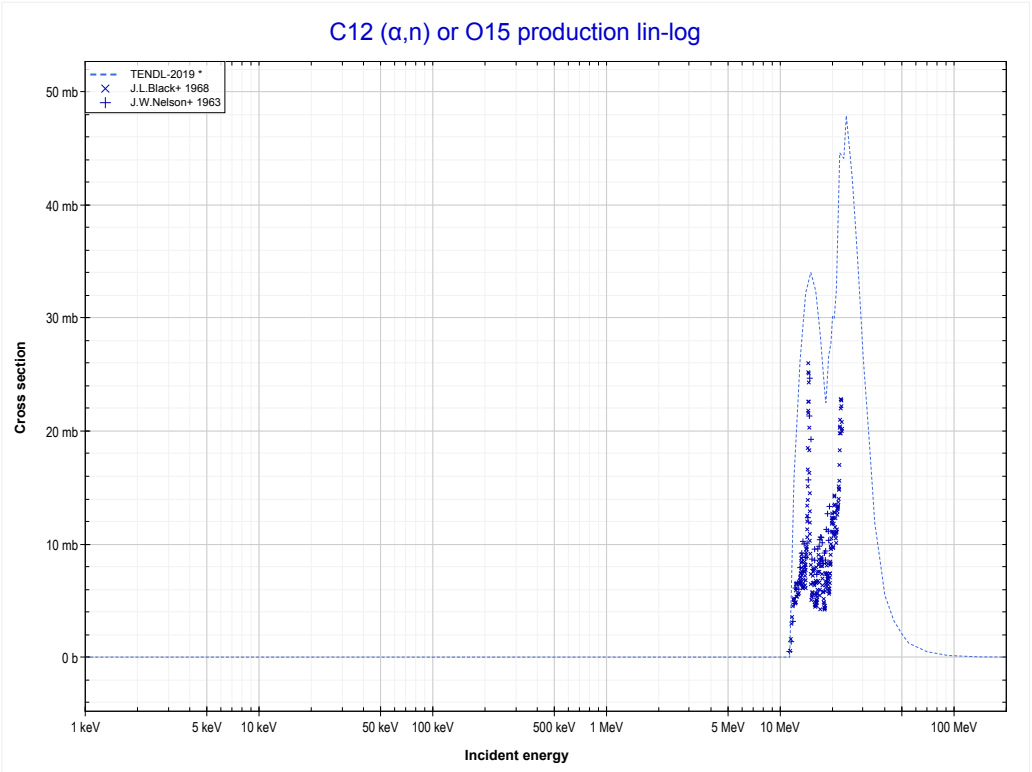
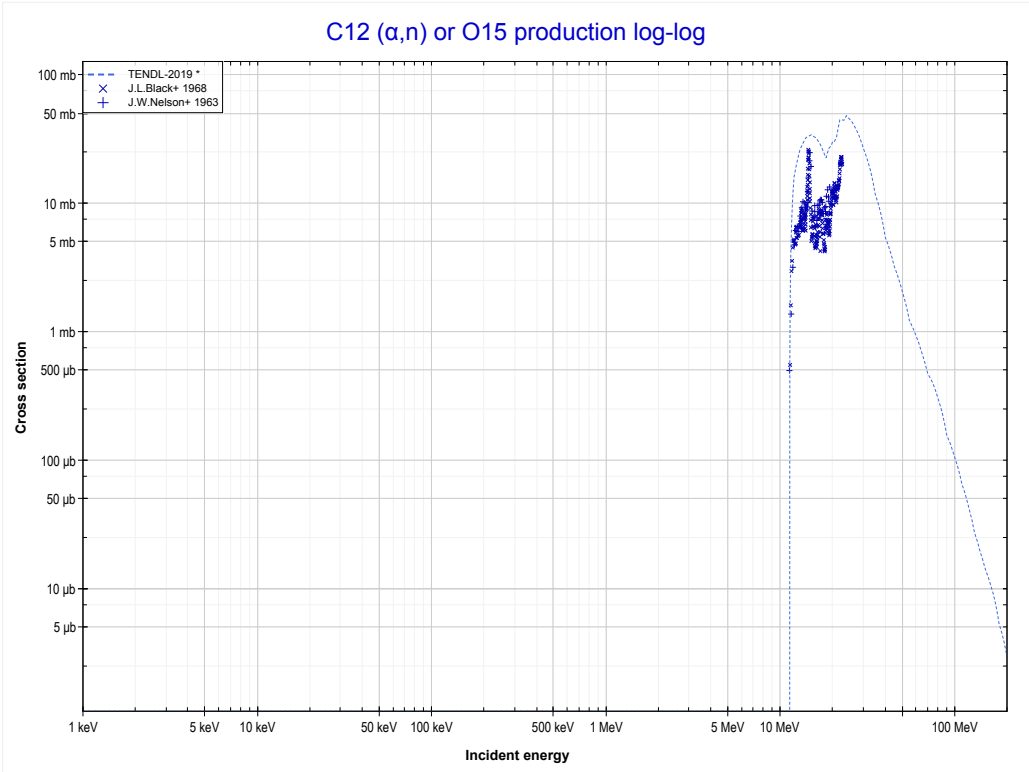
Reaction	Q-Value
B10(α ,n)N13	1058.73 keV

	5-B-11	9-F-19 >>
<< 5-B-10 MT4 (α,n)	MT103 (α,p) or MT5 (C14 production)	6-C-12 MT4 (α,n) >>



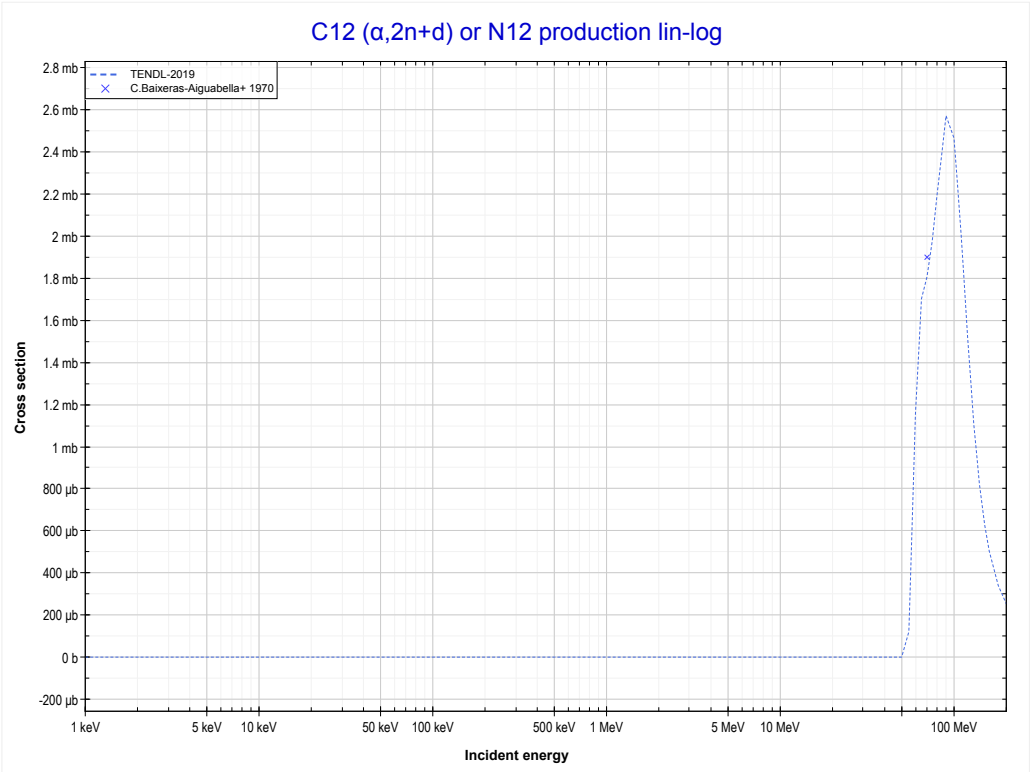
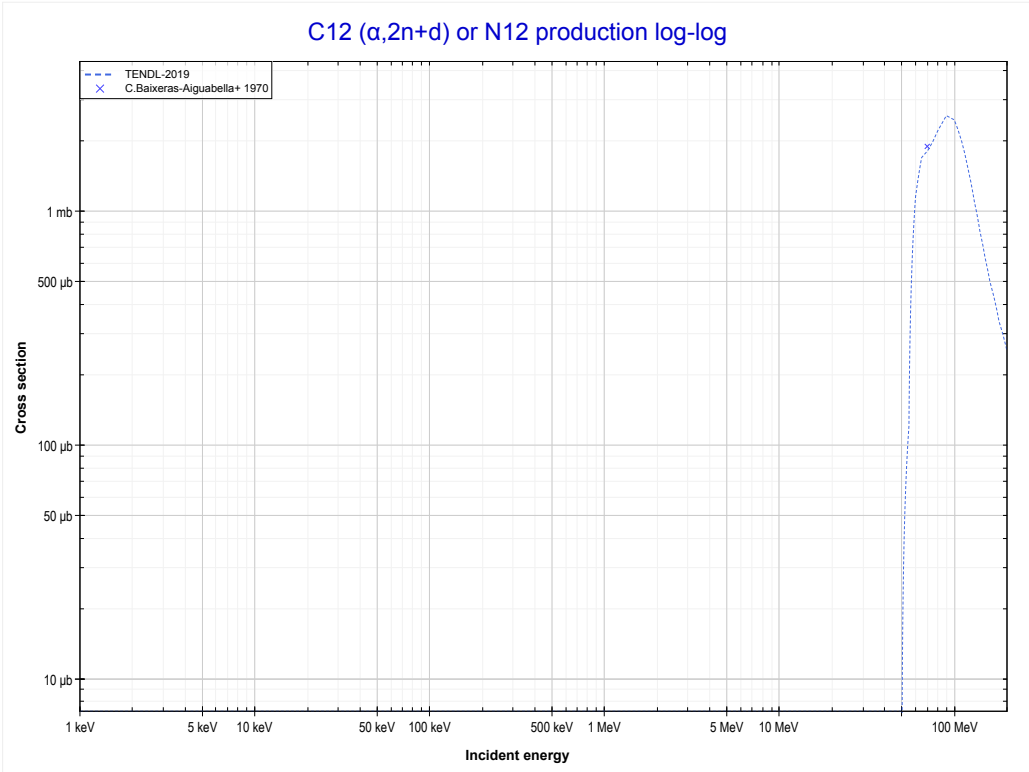
Reaction	Q-Value
B11(α,p)C14	783.76 keV

<< 5-B-10	6-C-12	6-C-13 >>
<< 5-B-11 MT103 (α,p)	MT4 (α,n) or MT5 (O15 production)	MT11 (α,2n+d) >>



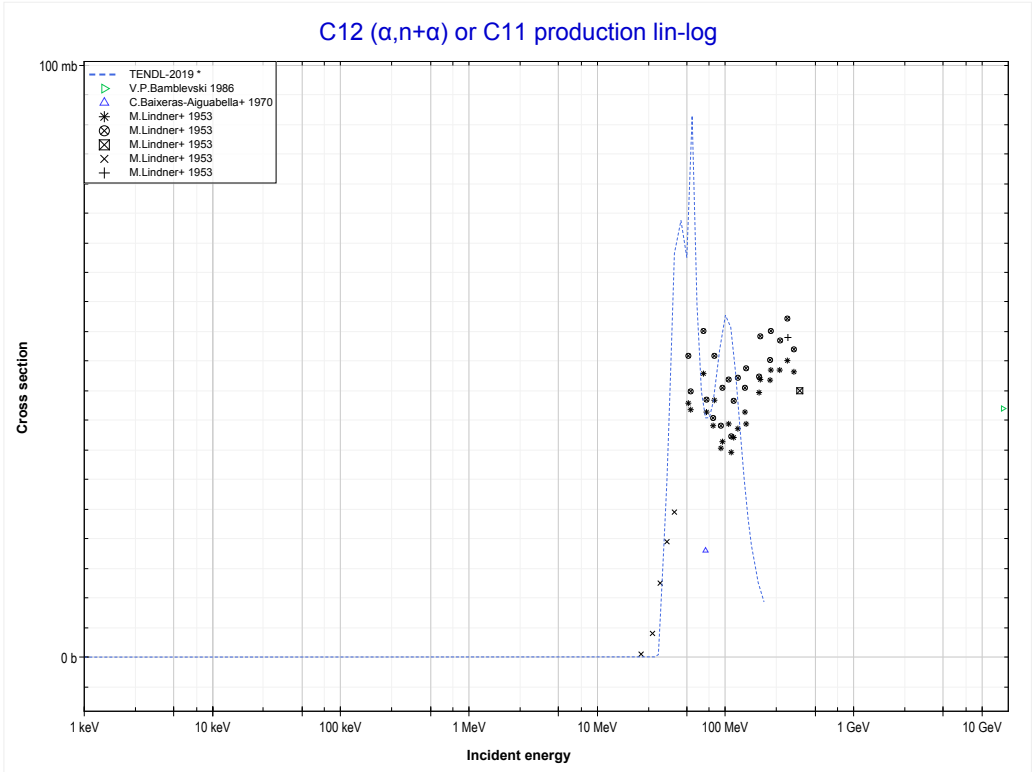
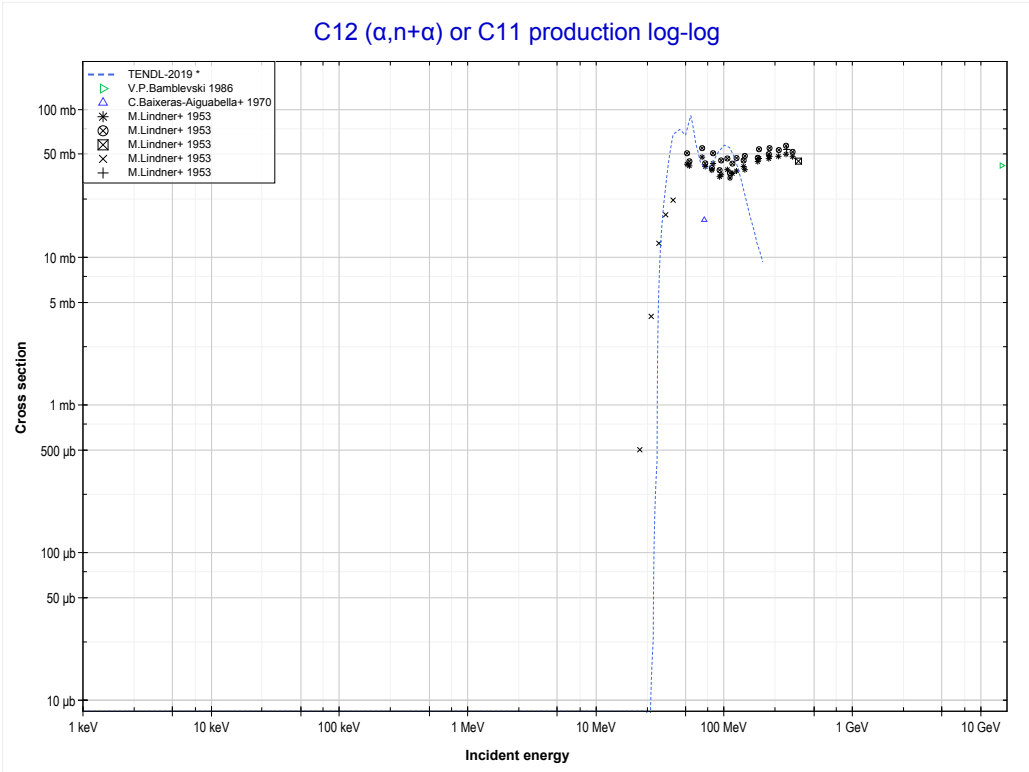
Reaction	Q-Value
C12(α,n)O15	-8502.00 keV

	6-C-12	20-Ca-44 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (N12 production)	MT22 (α,n+α) >>



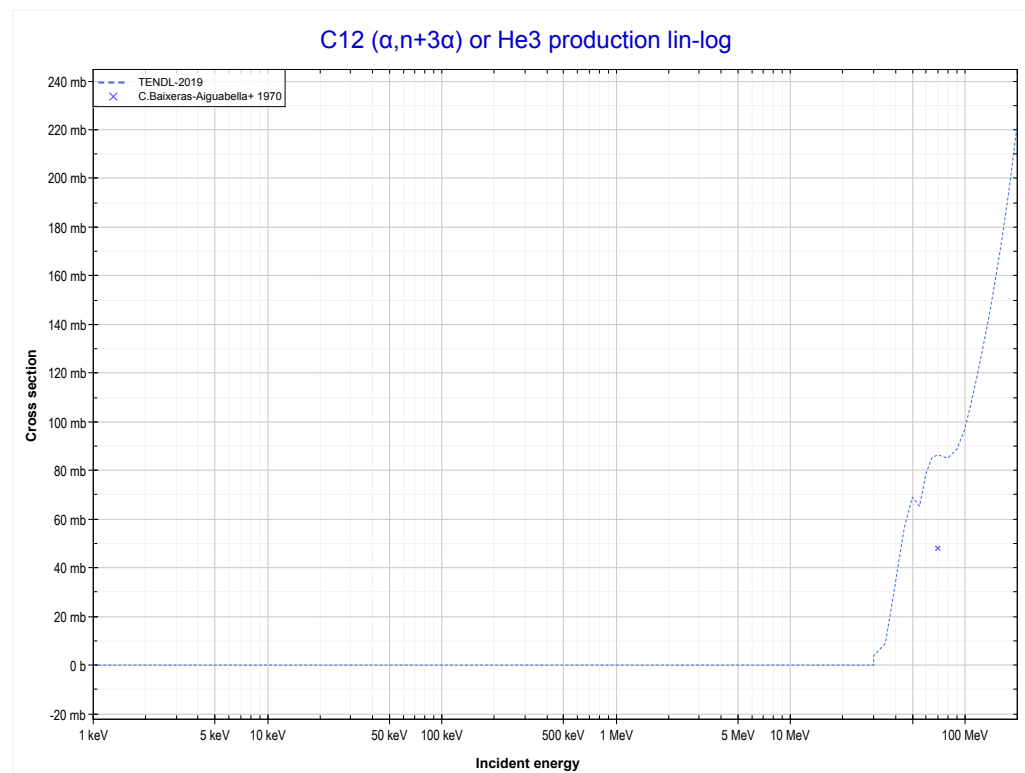
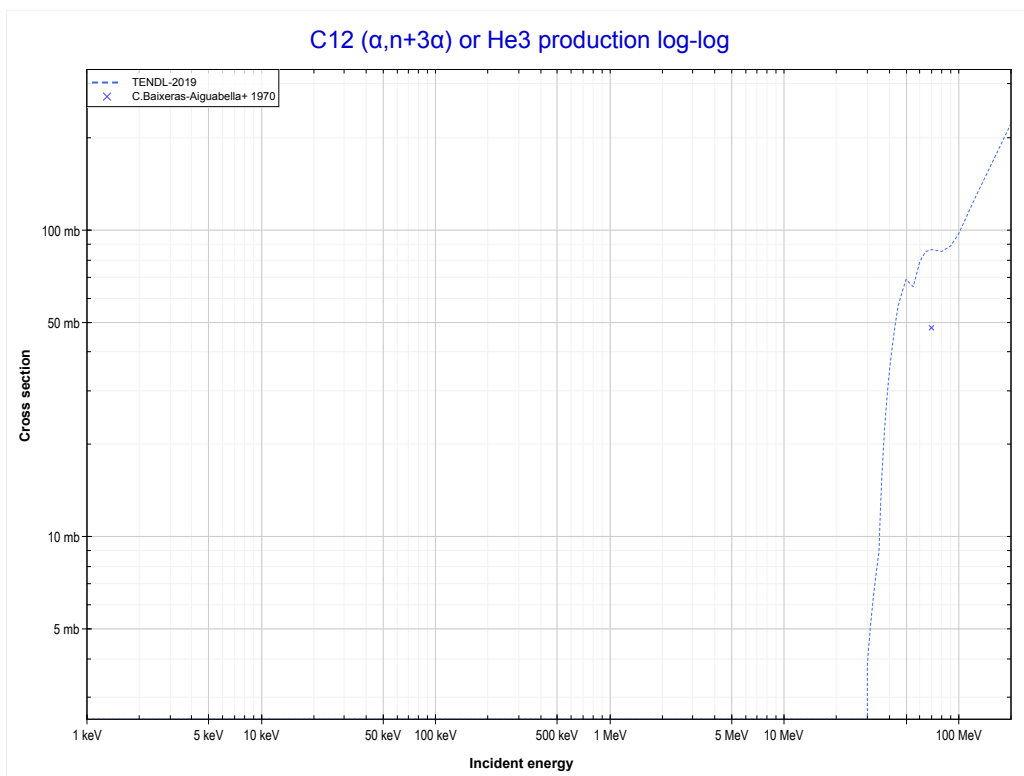
Reaction	Q-Value
C12(α,n+t)N12	-37934.31 keV
C12(α,2n+d)N12	-44191.54 keV
C12(α,3n+p)N12	-46416.11 keV

<< 4-Be-9	6-C-12	7-N-14 >>
<< MT11 ($\alpha,2n+d$)	MT22 ($\alpha,n+\alpha$) or MT5 (C11 production)	MT23 ($\alpha,n+3\alpha$) >>



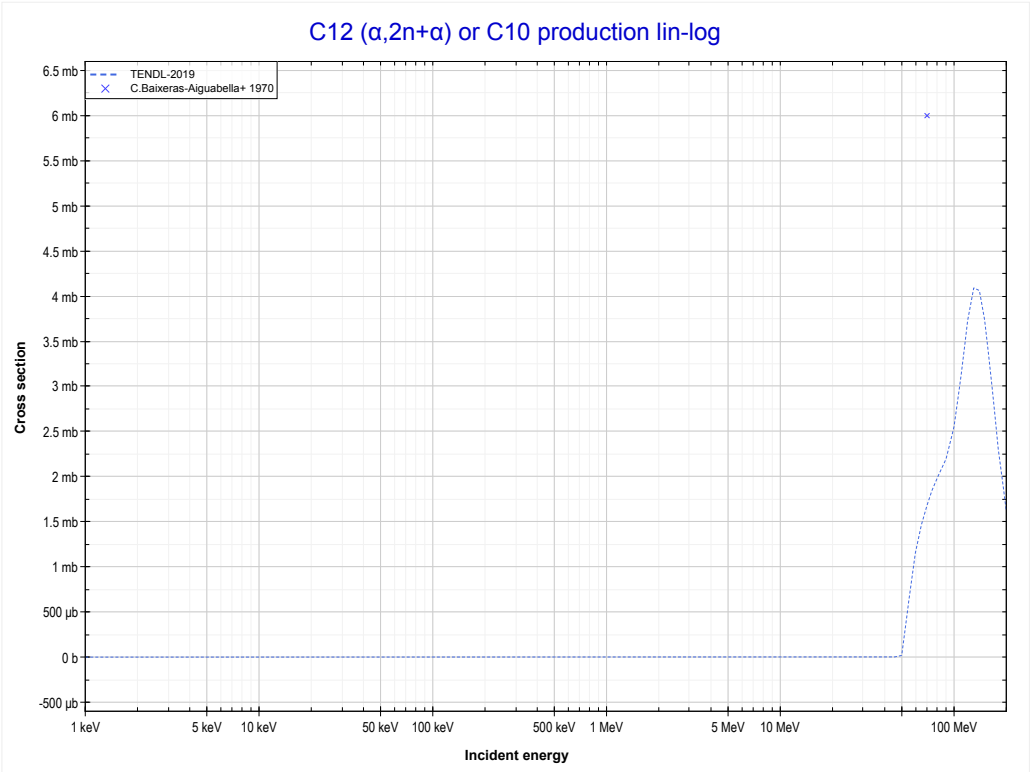
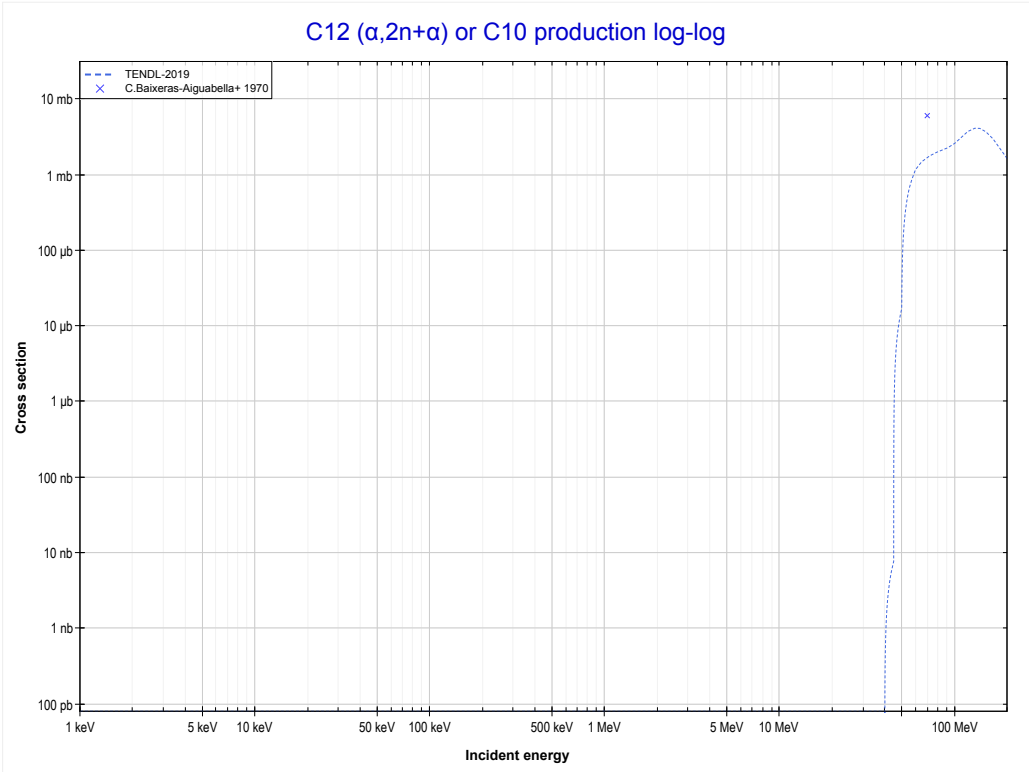
Reaction	Q-Value
C12($\alpha,n+\alpha$)C11	-18720.72 keV
C12($\alpha,d+t$)C11	-36310.02 keV
C12($\alpha,n+p+t$)C11	-38534.58 keV
C12($\alpha,2n+He3$)C11	-39298.34 keV
C12($\alpha,n+2d$)C11	-42567.24 keV
C12($\alpha,2n+p+d$)C11	-44791.81 keV
C12($\alpha,3n+2p$)C11	-47016.38 keV

	6-C-12	8-O-16 >>
<< MT22 ($\alpha, n + \alpha$)	MT23 ($\alpha, n + 3\alpha$) or MT5 (He3 production)	MT24 ($\alpha, 2n + \alpha$) >>



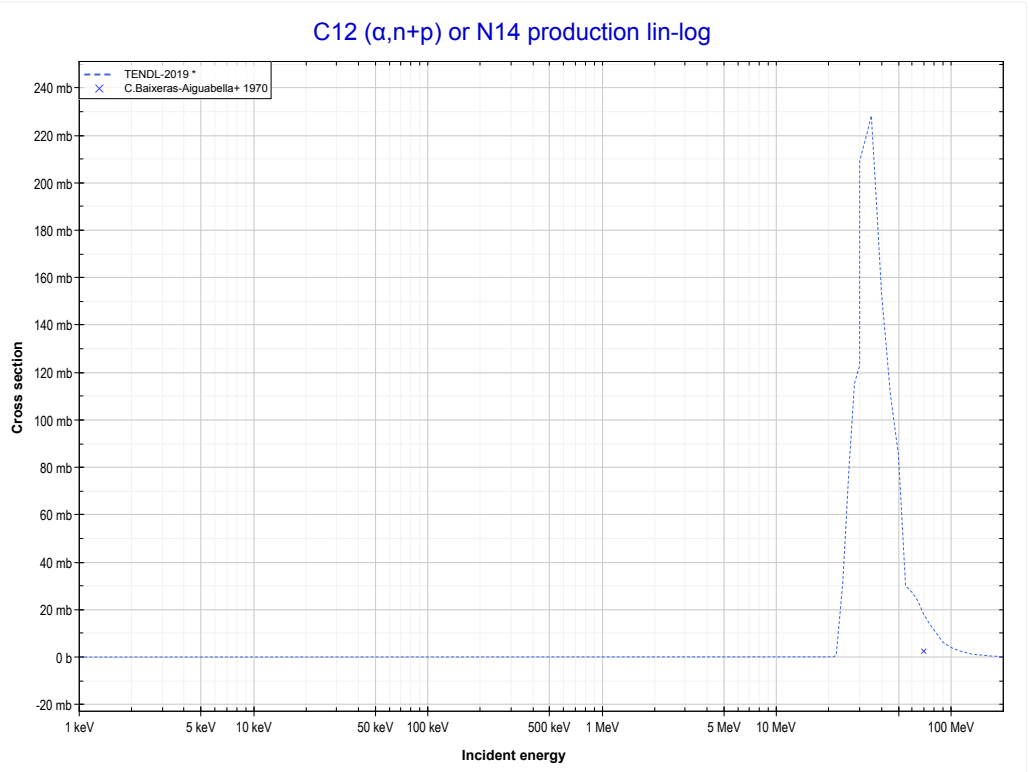
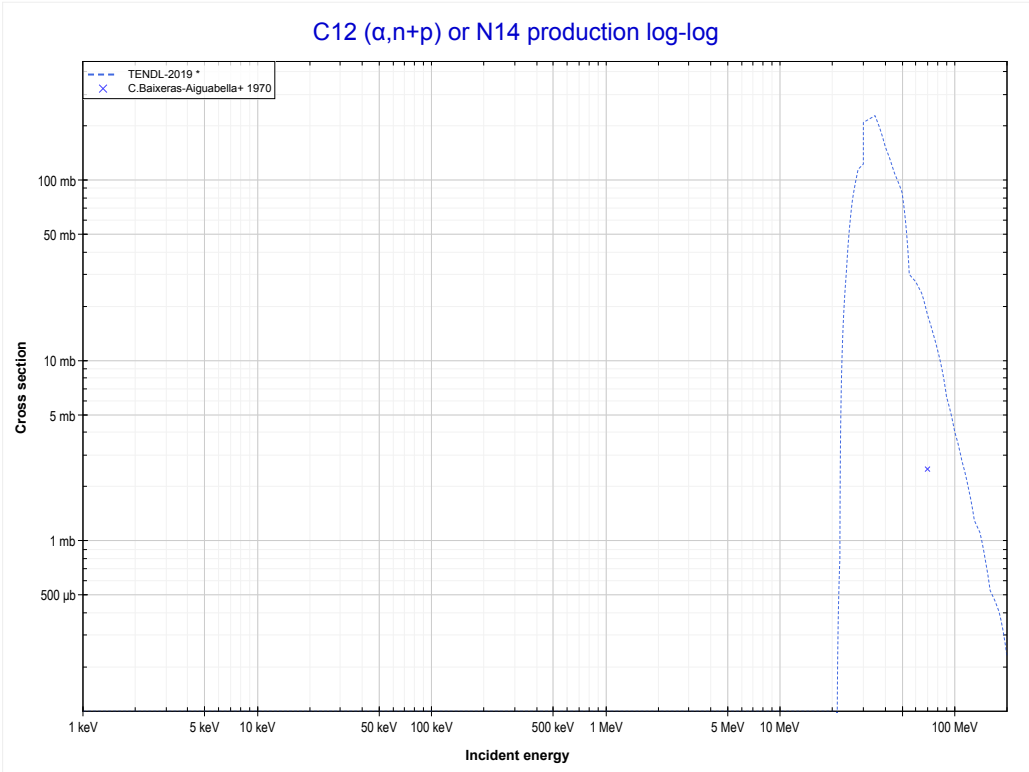
Reaction	Q-Value	Reaction	Q-Value
C12($\alpha, n + 3\alpha$)He3	-27852.37 keV	C12($\alpha, p + d + 2t + \alpha$)He3	-65255.53 keV
C12($\alpha, d + t + 2\alpha$)He3	-45441.67 keV	C12($\alpha, n + d + t + \text{He3} + \alpha$)He3	-66019.28 keV
C12($\alpha, n + p + t + 2\alpha$)He3	-47666.23 keV	C12($\alpha, n + 2p + 2t + \alpha$)He3	-67480.10 keV
C12($\alpha, 2n + \text{He3} + 2\alpha$)He3	-48429.99 keV	C12($\alpha, 2n + p + t + \text{He3} + \alpha$)He3	-68243.85 keV
C12($\alpha, n + 2d + 2\alpha$)He3	-51698.89 keV	C12($\alpha, 3n + 2\text{He3} + \alpha$)He3	-69007.61 keV
C12($\alpha, 2n + p + d + 2\alpha$)He3	-53923.46 keV	C12($\alpha, 3d + t + \alpha$)He3	-69288.19 keV
C12($\alpha, 3n + 2p + 2\alpha$)He3	-56148.03 keV	C12($\alpha, n + p + 2d + t + \alpha$)He3	-71512.76 keV
C12($\alpha, 2t + \text{He3} + \alpha$)He3	-59762.06 keV	C12($\alpha, 2n + 2d + \text{He3} + \alpha$)He3	-72276.51 keV

<< 4-Be-9	6-C-12	7-N-14 >>
<< MT23 ($\alpha,n+3\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (C10 production)	MT28 ($\alpha,n+p$) >>



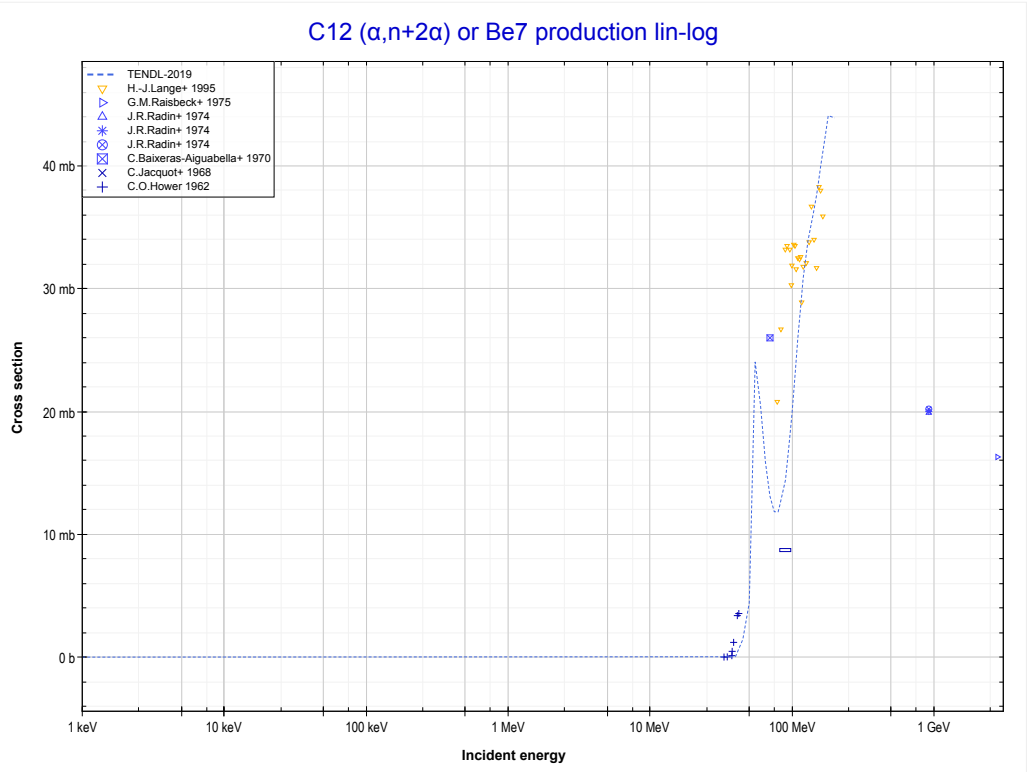
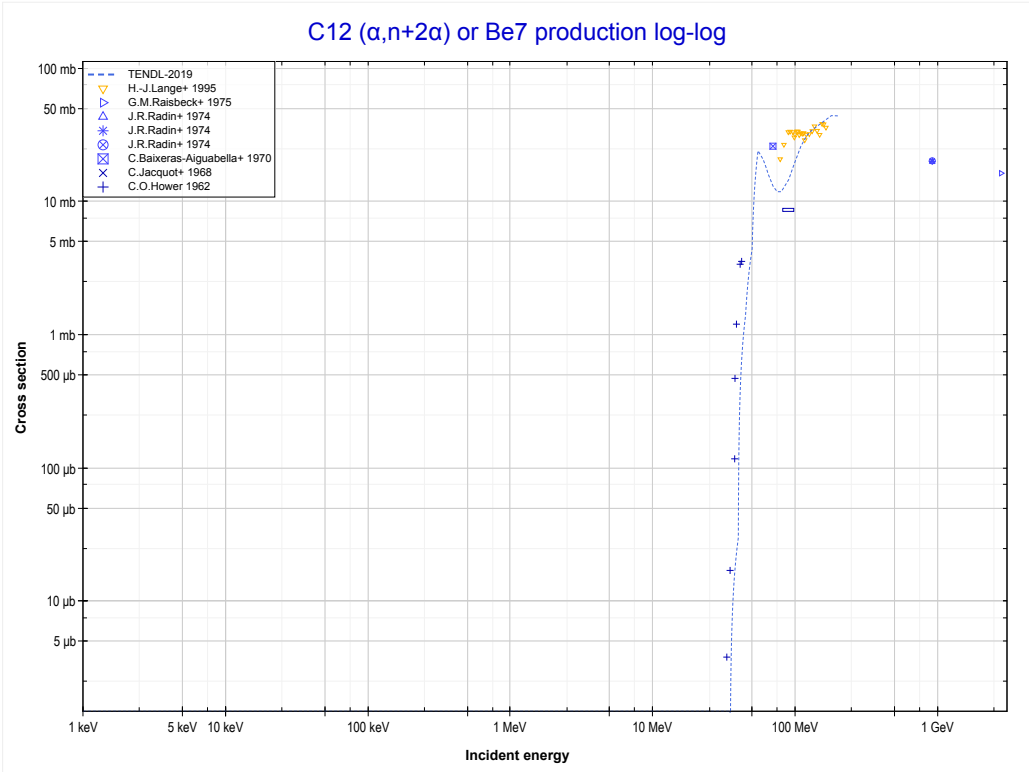
Reaction	Q-Value
C12($\alpha,2n+\alpha$)C10	-31841.30 keV
C12($\alpha,2t$)C10	-43173.37 keV
C12($\alpha,n+d+t$)C10	-49430.60 keV
C12($\alpha,2n+p+t$)C10	-51655.17 keV
C12($\alpha,3n+He3$)C10	-52418.92 keV
C12($\alpha,2n+2d$)C10	-55687.83 keV
C12($\alpha,3n+p+d$)C10	-57912.40 keV
C12($\alpha,4n+2p$)C10	-60136.96 keV

	6-C-12	7-N-14 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (N14 production)	MT29 ($\alpha,n+2\alpha$) >>



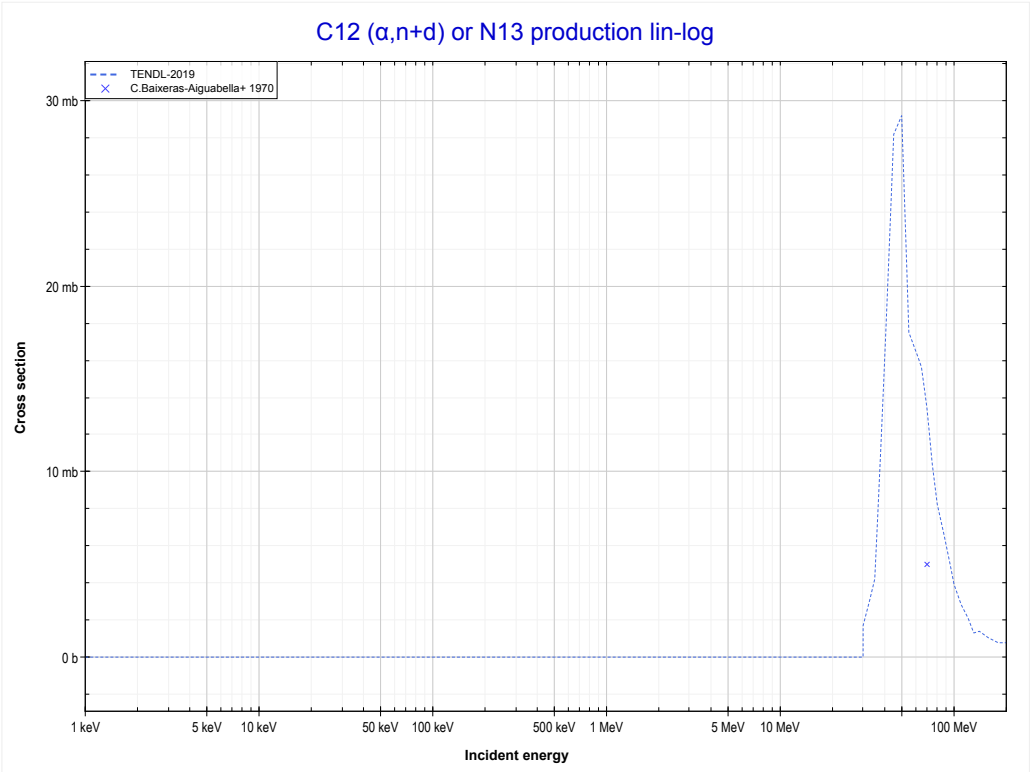
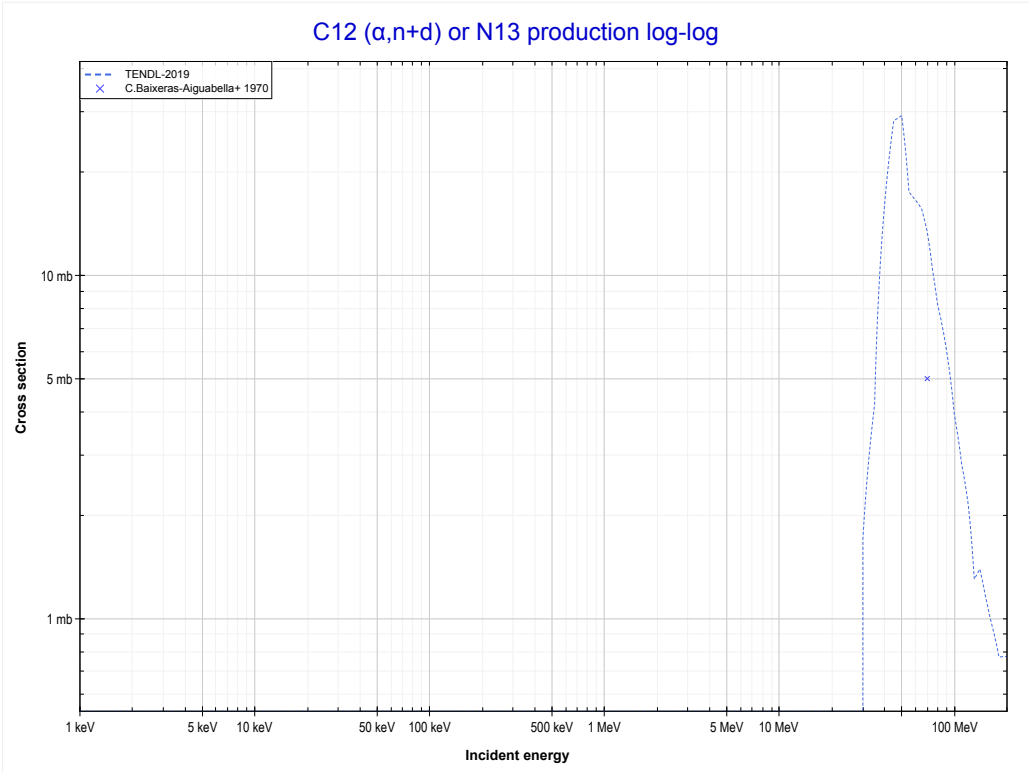
Reaction	Q-Value
C12(α,d)N14	-13574.22 keV
C12($\alpha,n+p$)N14	-15798.79 keV

	6-C-12	8-O-16 >>
<< MT28 (α,n,p)	MT29 (α,n+2α) or MT5 (Be7 production)	MT32 (α,n+d) >>



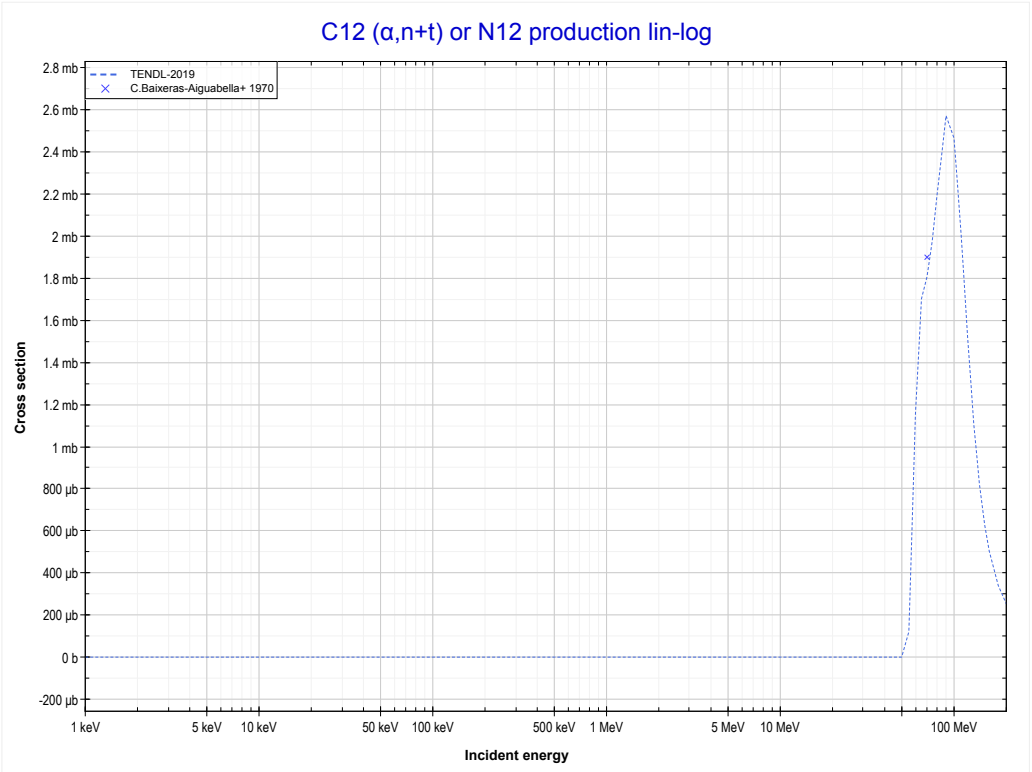
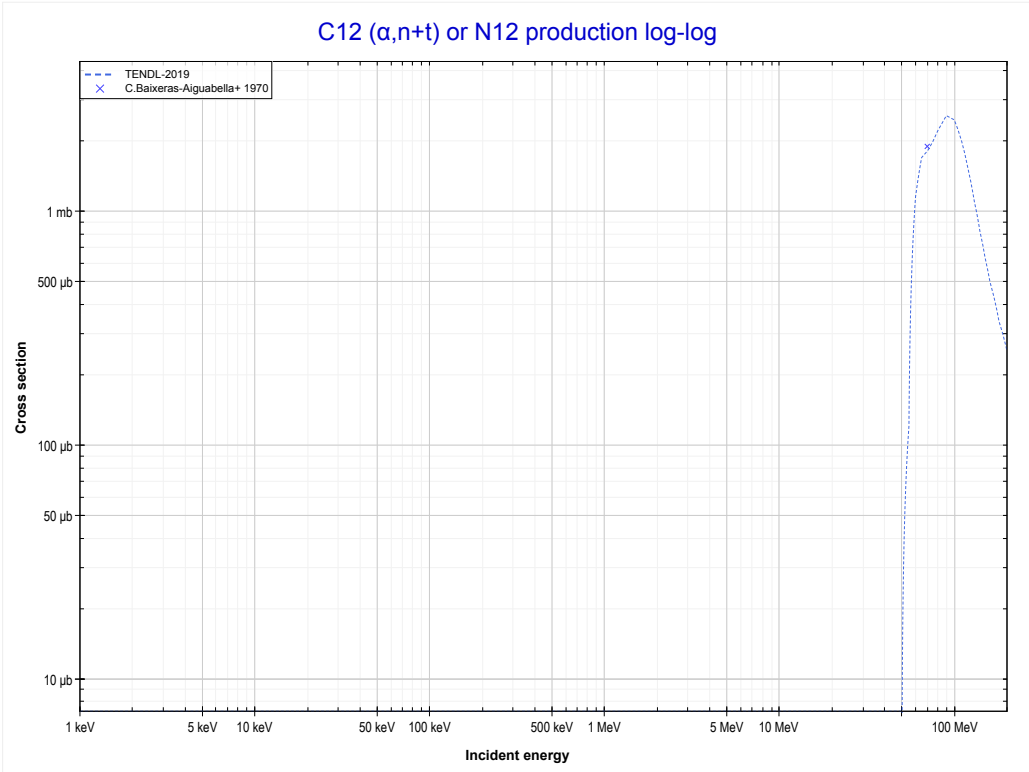
Reaction	Q-Value	Reaction	Q-Value
C12(α,n+2α)Be7	-26265.23 keV	C12(α,p+d+2t)Be7	-63668.40 keV
C12(α,d+t+α)Be7	-43854.53 keV	C12(α,n+d+t+He3)Be7	-64432.15 keV
C12(α,n+p+t+α)Be7	-46079.10 keV	C12(α,n+2p+2t)Be7	-65892.96 keV
C12(α,2n+He3+α)Be7	-46842.85 keV	C12(α,2n+p+t+He3)Be7	-66656.72 keV
C12(α,n+2d+α)Be7	-50111.76 keV	C12(α,3n+2He3)Be7	-67420.47 keV
C12(α,2n+p+d+α)Be7	-52336.33 keV	C12(α,3d+t)Be7	-67701.06 keV
C12(α,3n+2p+α)Be7	-54560.89 keV	C12(α,n+p+2d+t)Be7	-69925.63 keV
C12(α,2t+He3)Be7	-58174.92 keV	C12(α,2n+2d+He3)Be7	-70689.38 keV

	6-C-12	20-Ca-42 >>
<< MT29 ($\alpha,n+2\alpha$)	MT32 ($\alpha,n+d$) or MT5 (N13 production)	MT33 ($\alpha,n+t$) >>



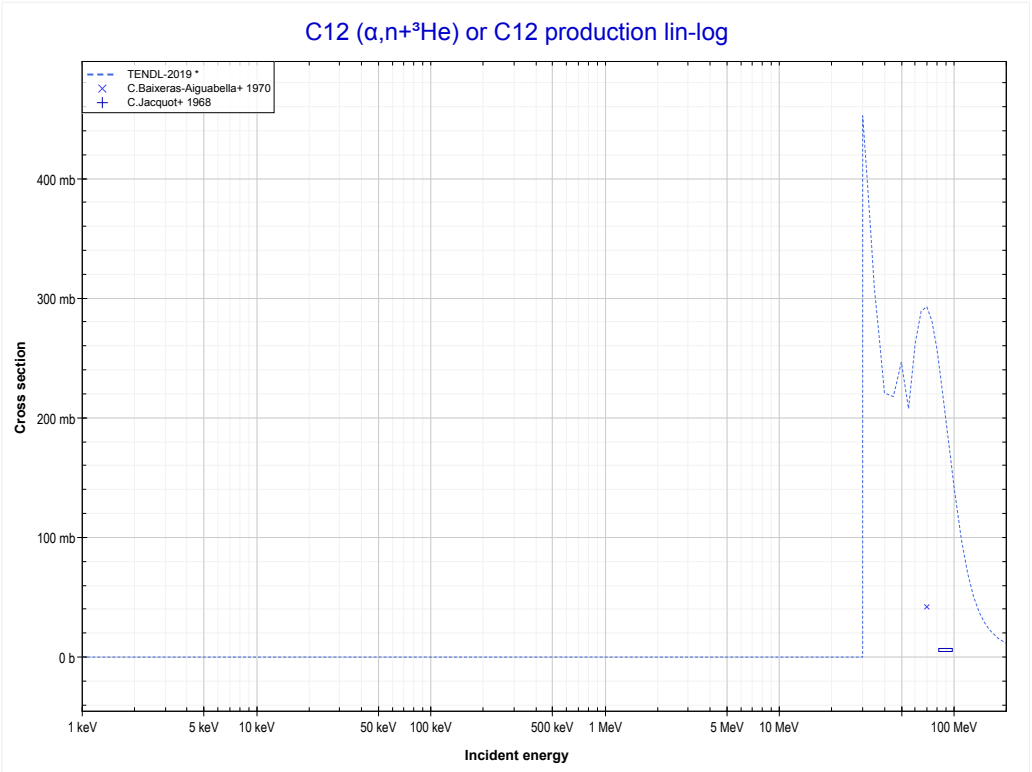
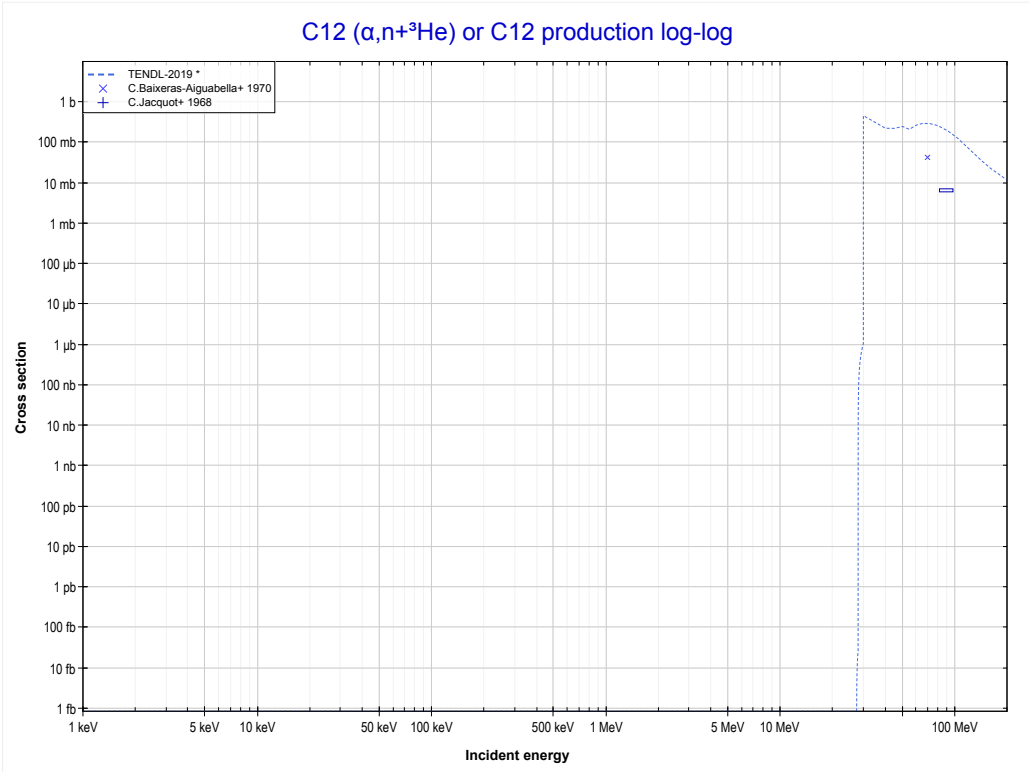
Reaction	Q-Value
C12(α,t)N13	-17870.37 keV
C12($\alpha,n+d$)N13	-24127.60 keV
C12($\alpha,2n+p$)N13	-26352.17 keV

	6-C-12	20-Ca-44 >>
<< MT32 (α ,n+d)	MT33 (α ,n+t) or MT5 (N12 production)	MT34 (α ,n+ ^{3} He) >>



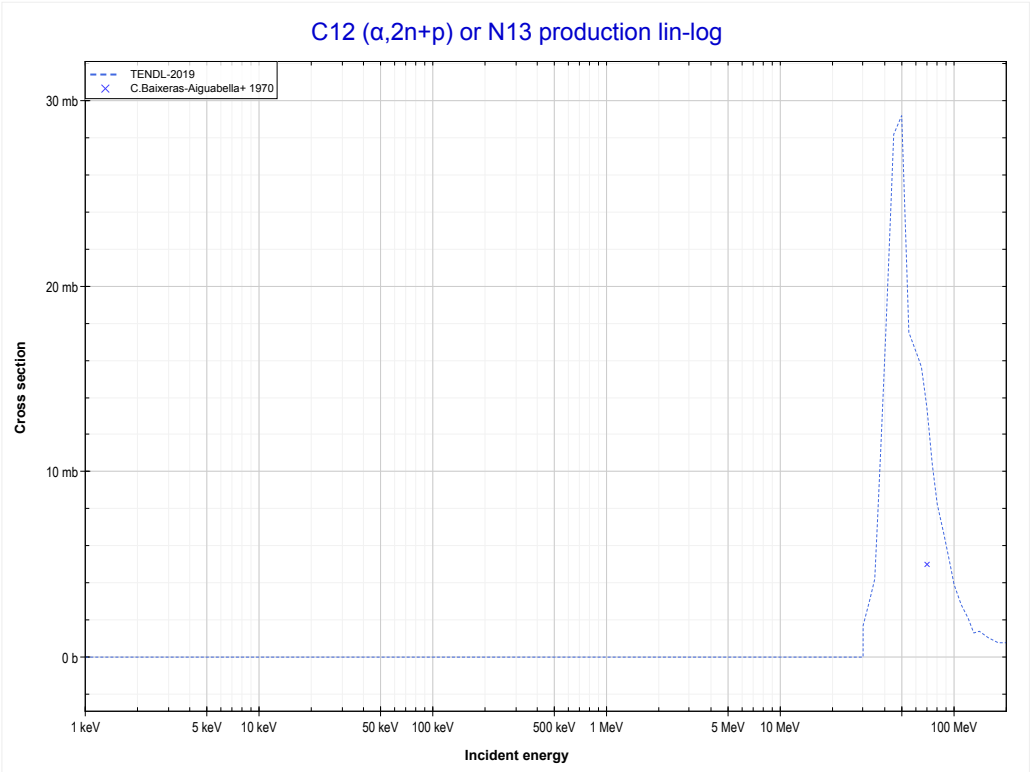
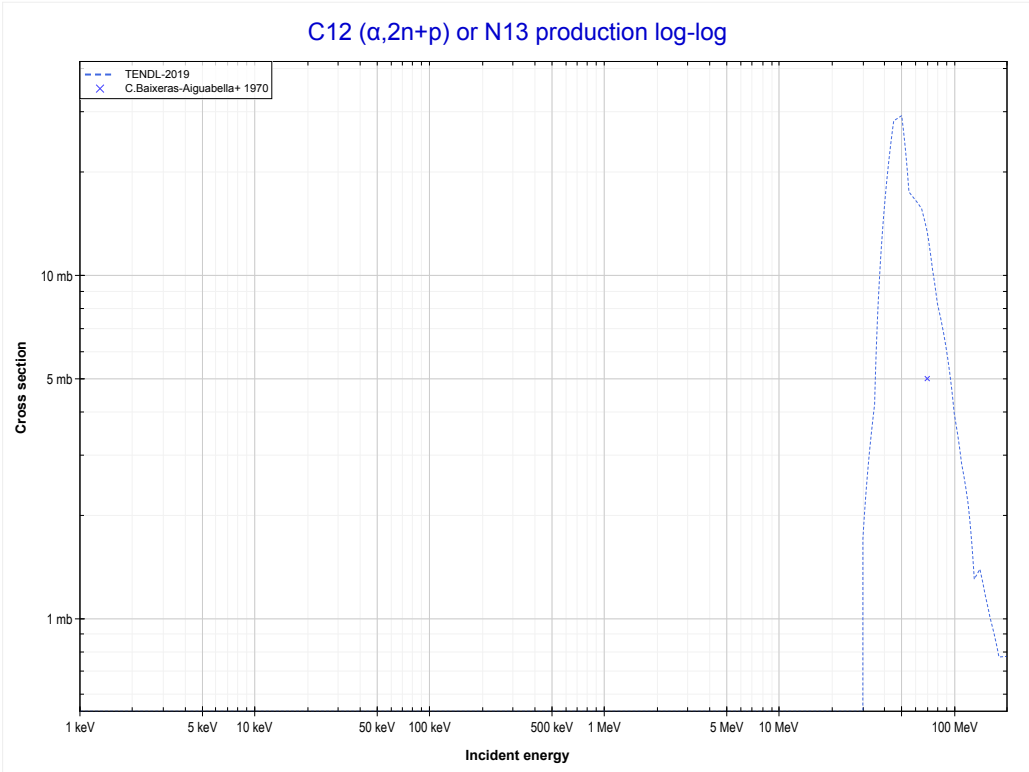
Reaction	Q-Value
C12(α ,n+t)N12	-37934.31 keV
C12(α ,2n+d)N12	-44191.54 keV
C12(α ,3n+p)N12	-46416.11 keV

	6-C-12	7-N-14 >>
<< MT33 (α ,n+t)	MT34 (α ,n+ ^3He) or MT5 (C^{12} production)	MT41 (α ,2n+p) >>



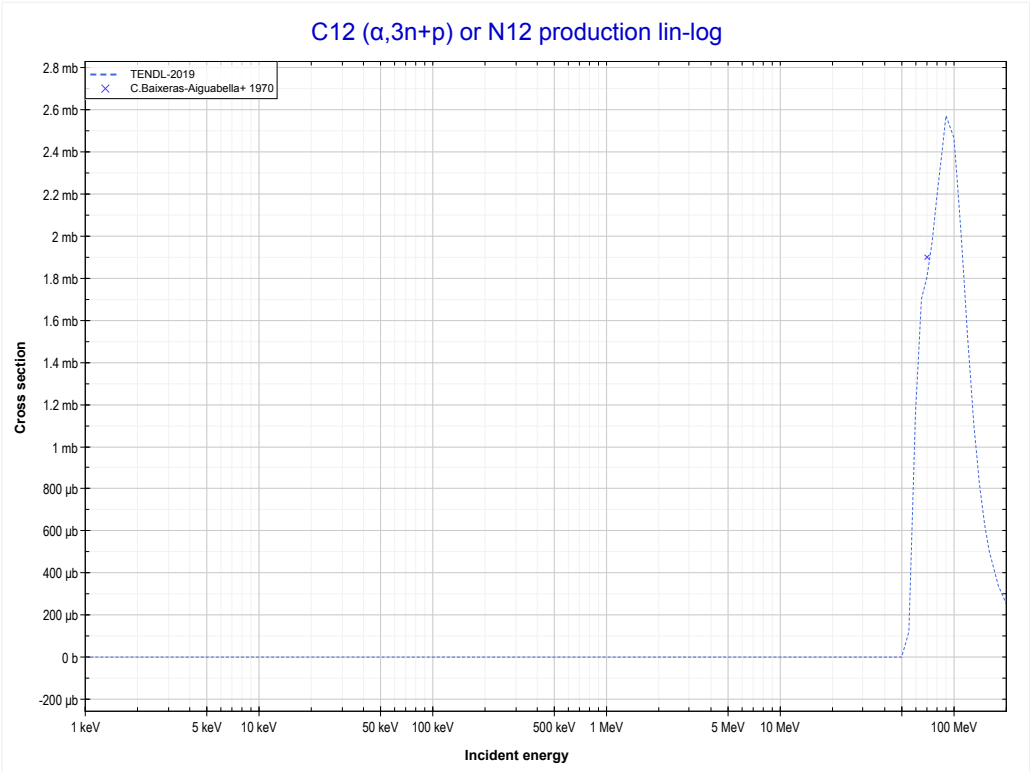
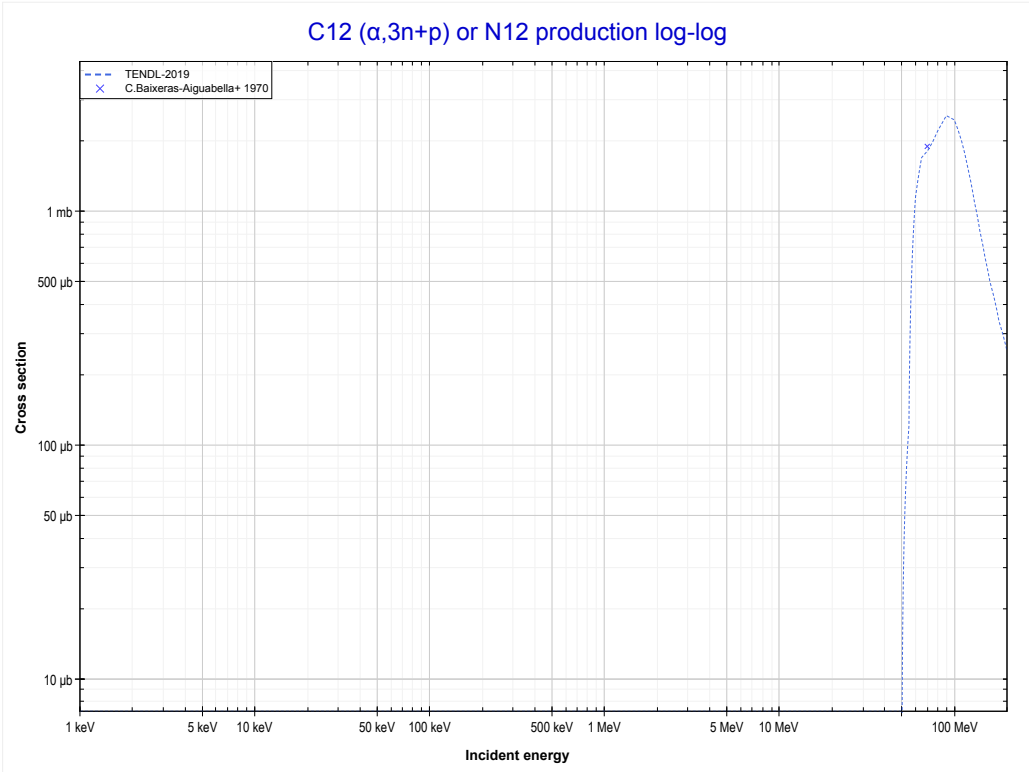
Reaction	Q-Value
C12(α , α)C12	0.00 keV
C12(α ,p+t)C12	-19813.86 keV
C12(α ,n+He3)C12	-20577.62 keV
C12(α ,2d)C12	-23846.53 keV
C12(α ,n+p+d)C12	-26071.09 keV
C12(α ,2n+2p)C12	-28295.66 keV

	6-C-12	20-Ca-42 >>
<< MT34 ($\alpha,n+^3\text{He}$)	MT41 ($\alpha,2n+p$) or MT5 (N13 production)	MT42 ($\alpha,3n+p$) >>



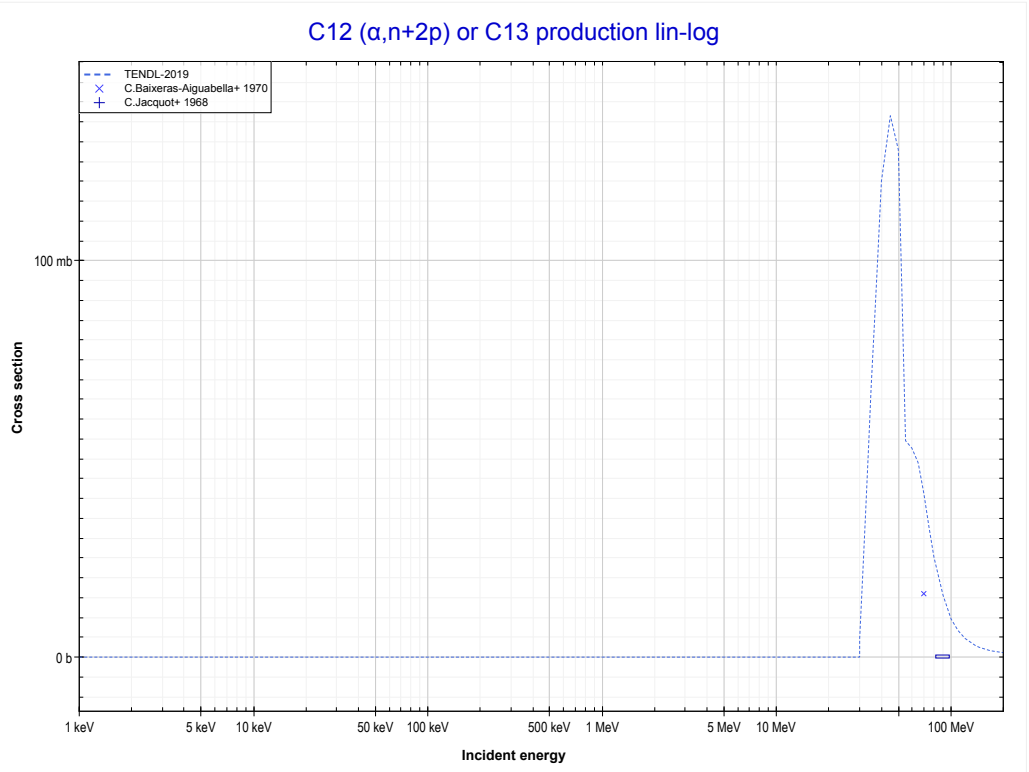
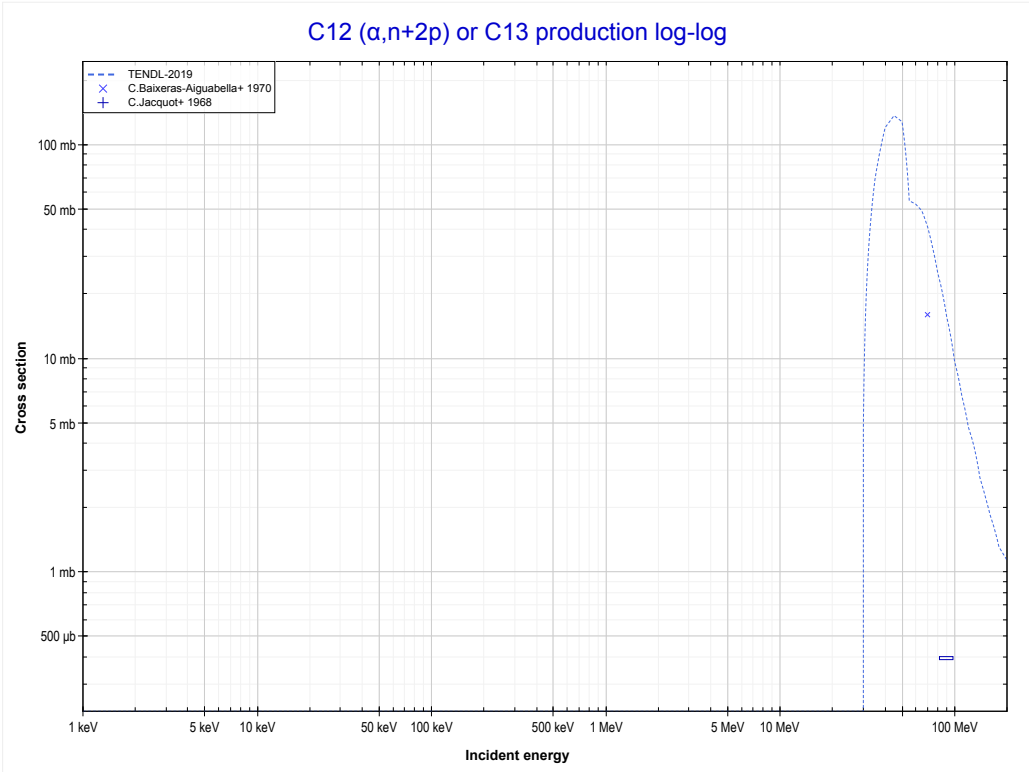
Reaction	Q-Value
C12(α,t)N13	-17870.37 keV
C12($\alpha,n+d$)N13	-24127.60 keV
C12($\alpha,2n+p$)N13	-26352.17 keV

	6-C-12	20-Ca-44 >>
<< MT41 (α ,2n+p)	MT42 (α ,3n+p) or MT5 (N12 production)	MT44 (α ,n+2p) >>



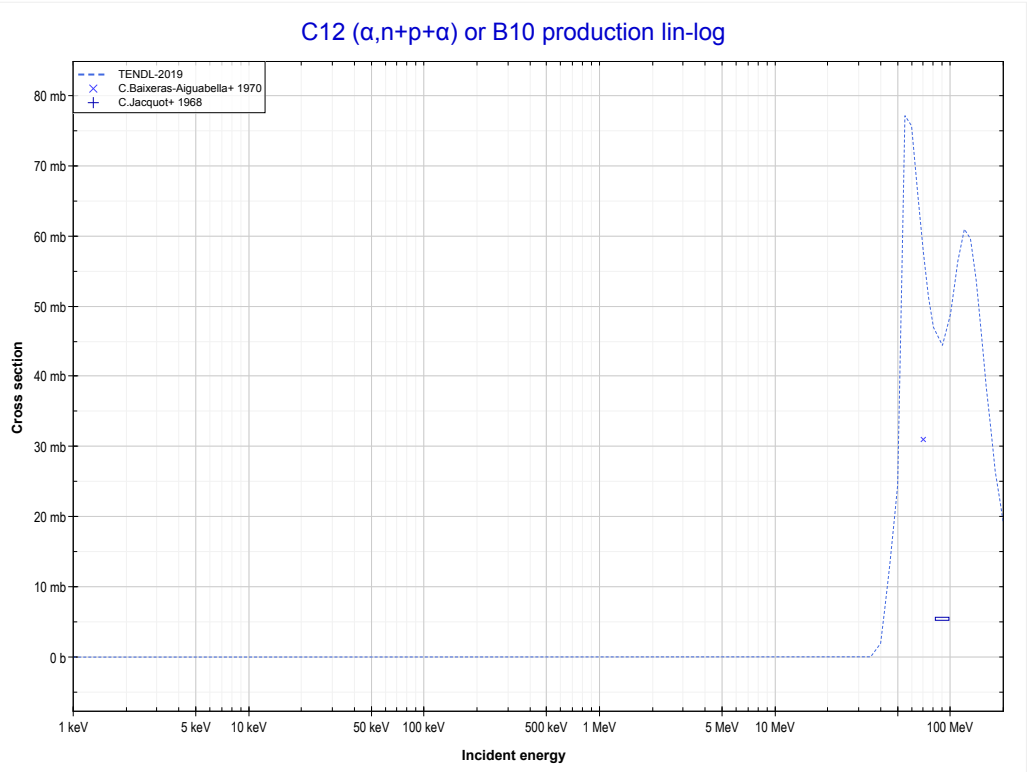
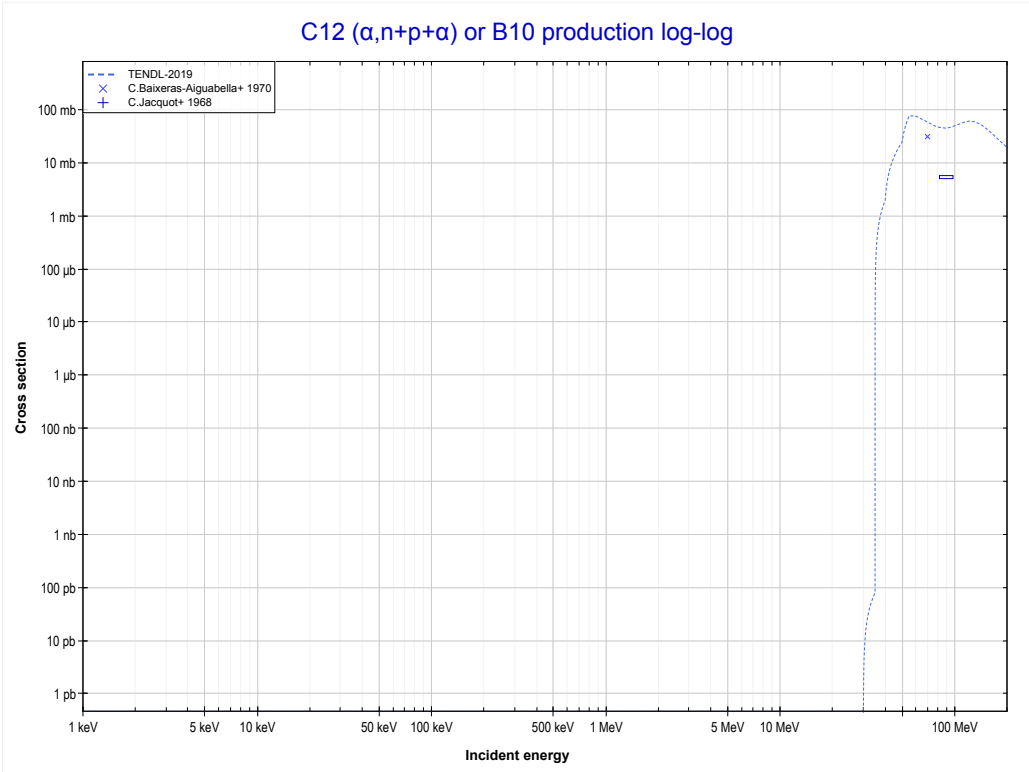
Reaction	Q-Value
C12(α ,n+t)N12	-37934.31 keV
C12(α ,2n+d)N12	-44191.54 keV
C12(α ,3n+p)N12	-46416.11 keV

	6-C-12	7-N-14 >>
<< MT42 ($\alpha,3n+p$)	MT44 ($\alpha,n+2p$) or MT5 (C13 production)	MT45 ($\alpha,n+p+\alpha$) >>



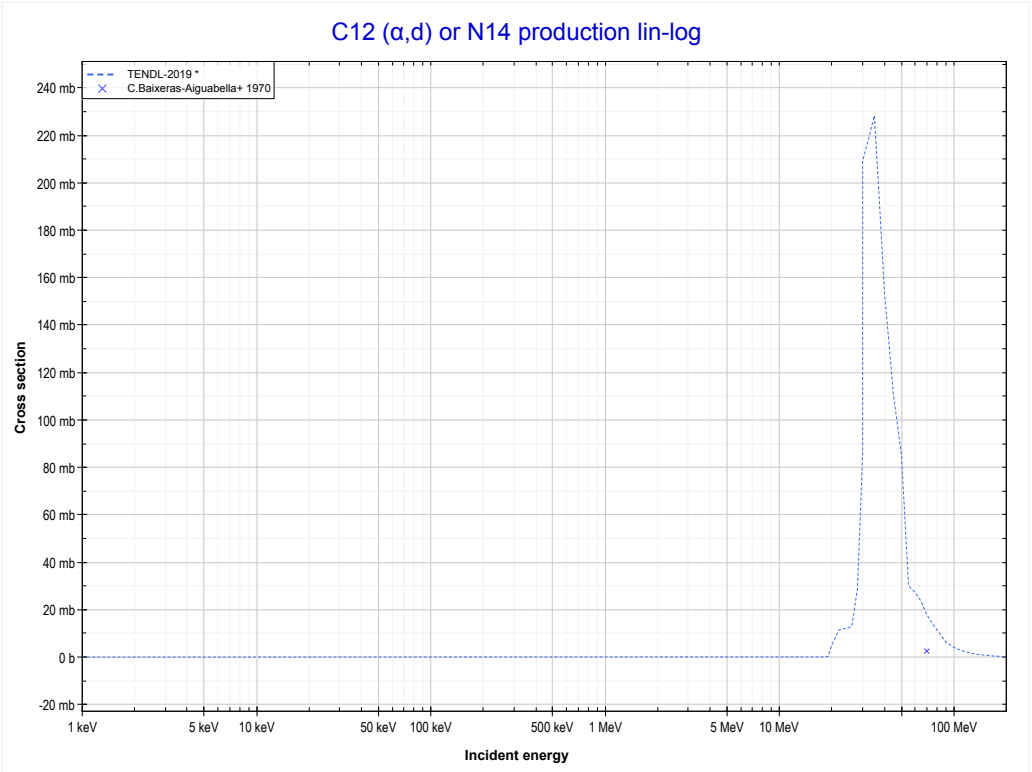
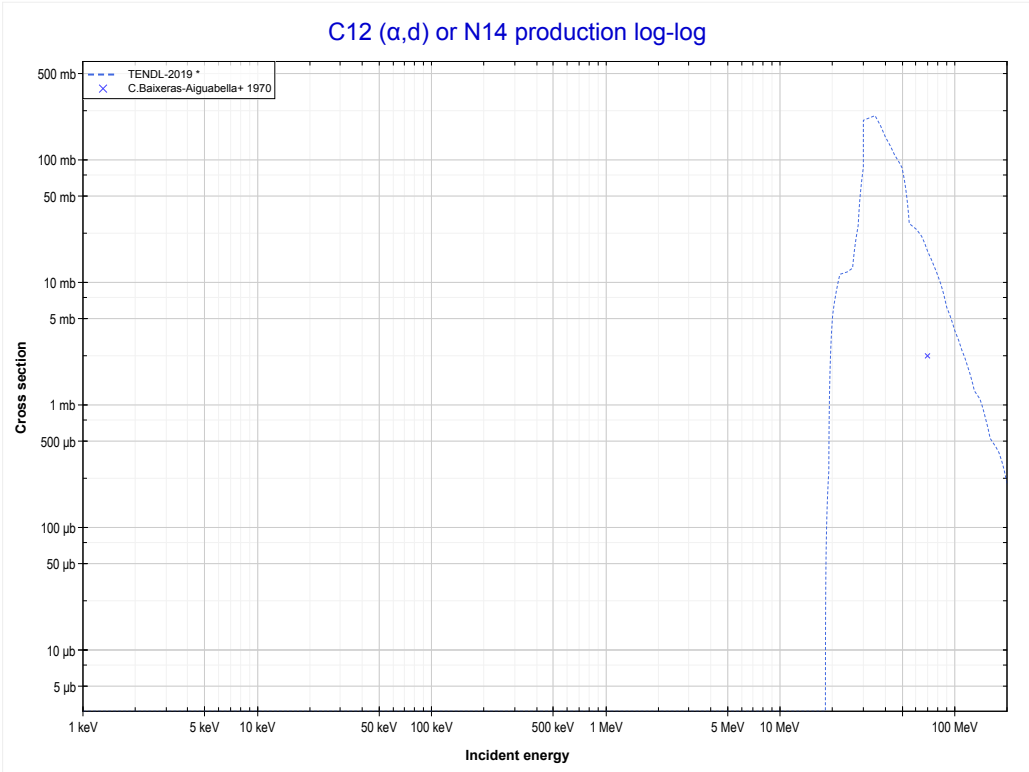
Reaction	Q-Value
C12(α ,He3)C13	-15631.31 keV
C12(α ,p+d)C13	-21124.79 keV
C12(α ,n+2p)C13	-23349.35 keV

	6-C-12	7-N-14 >>
<< MT44 ($\alpha,n+2p$)	MT45 ($\alpha,n+p+\alpha$) or MT5 (B10 production)	MT104 (α,d) >>



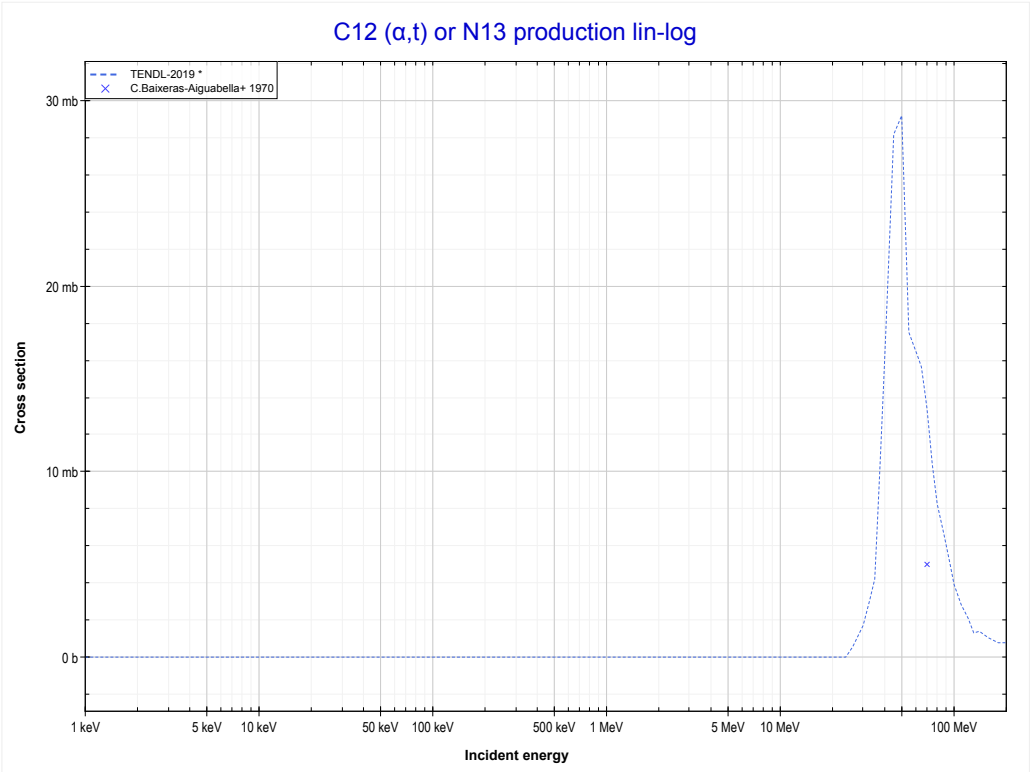
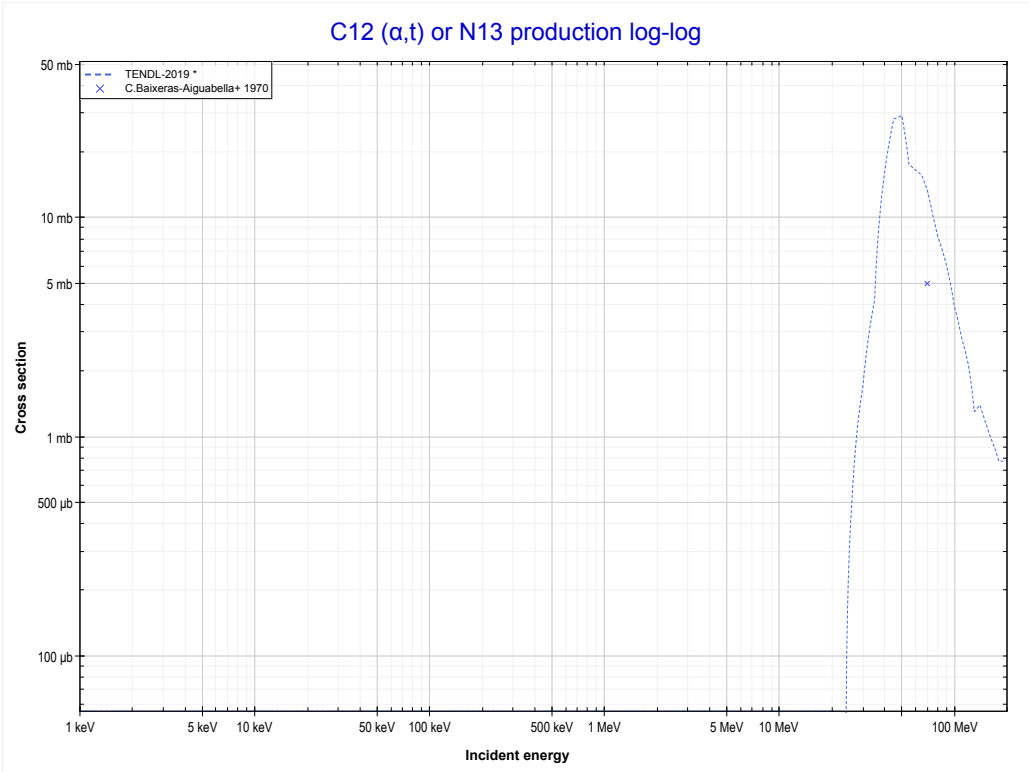
Reaction	Q-Value	Reaction	Q-Value
C12($\alpha,d+\alpha$)B10	-25186.33 keV	C12($\alpha,n+p+2d$)B10	-51257.42 keV
C12($\alpha,n+p+\alpha$)B10	-27410.90 keV	C12($\alpha,2n+2p+d$)B10	-53481.99 keV
C12($\alpha,t+\text{He3}$)B10	-39506.72 keV	C12($\alpha,3n+3p$)B10	-55706.56 keV
C12($\alpha,p+d+t$)B10	-45000.20 keV		
C12($\alpha,n+d+\text{He3}$)B10	-45763.95 keV		
C12($\alpha,n+2p+t$)B10	-47224.76 keV		
C12($\alpha,2n+p+\text{He3}$)B10	-47988.52 keV		
C12($\alpha,3d$)B10	-49032.86 keV		

	6-C-12	7-N-14 >>
<< MT45 (α,n+p+α)	MT104 (α,d) or MT5 (N14 production)	MT105 (α,t) >>



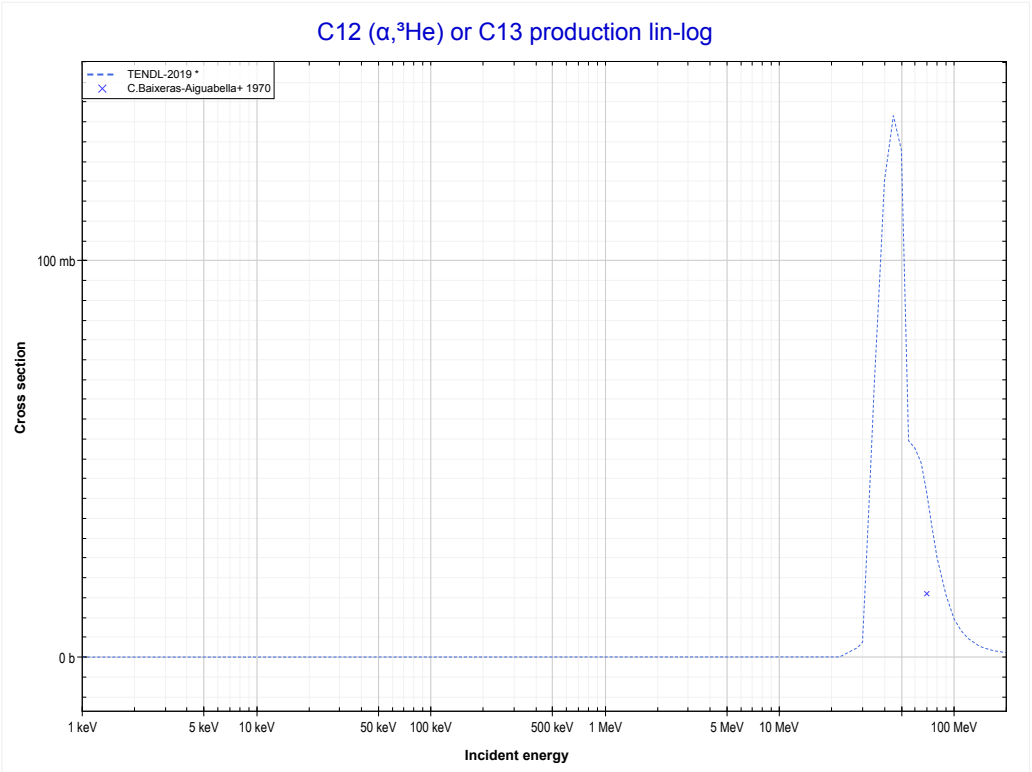
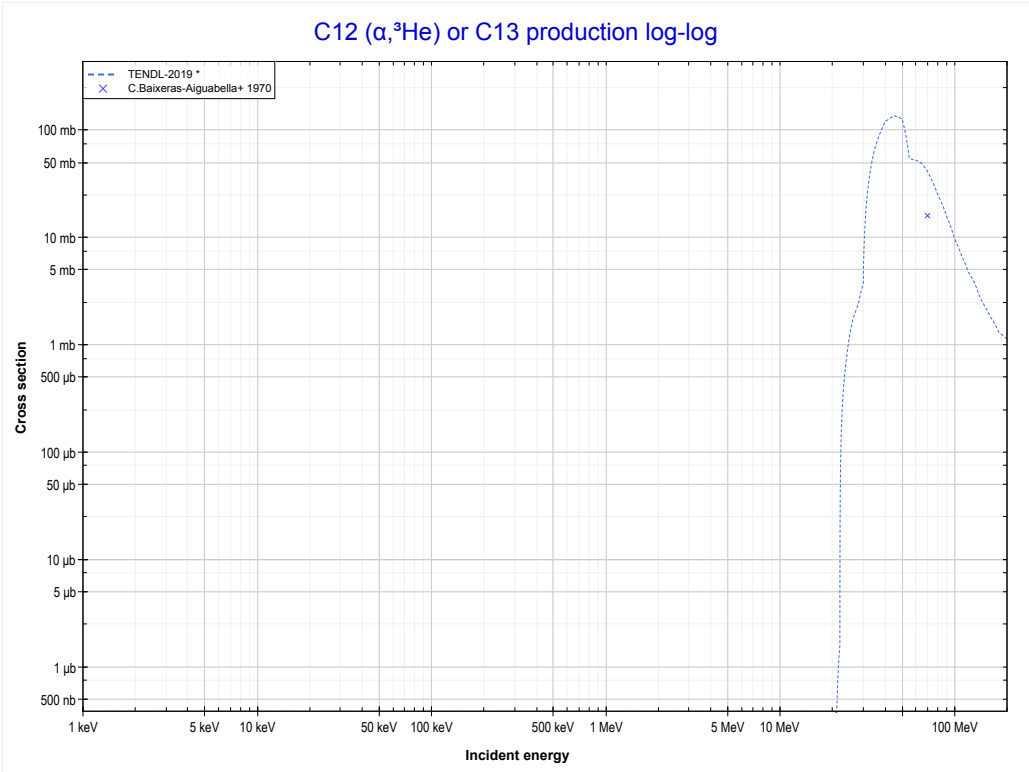
Reaction	Q-Value
C12(α,d)N14	-13574.22 keV
C12(α,n+p)N14	-15798.79 keV

	6-C-12	20-Ca-42 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (N13 production)	MT106 (α, ³ He) >>



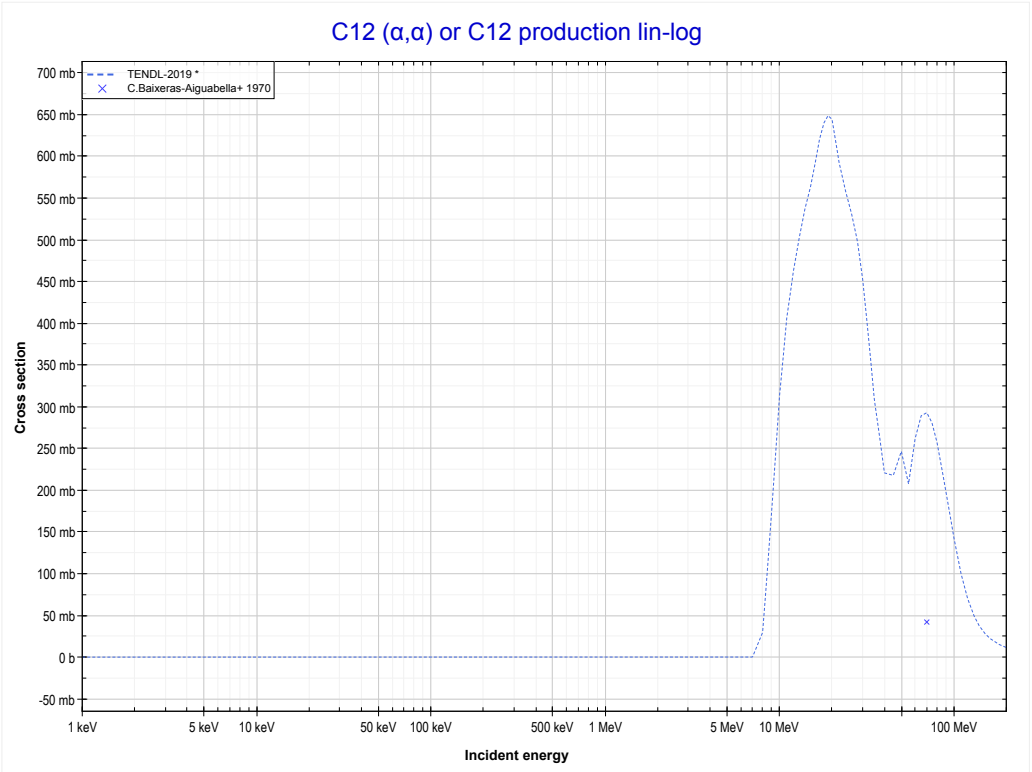
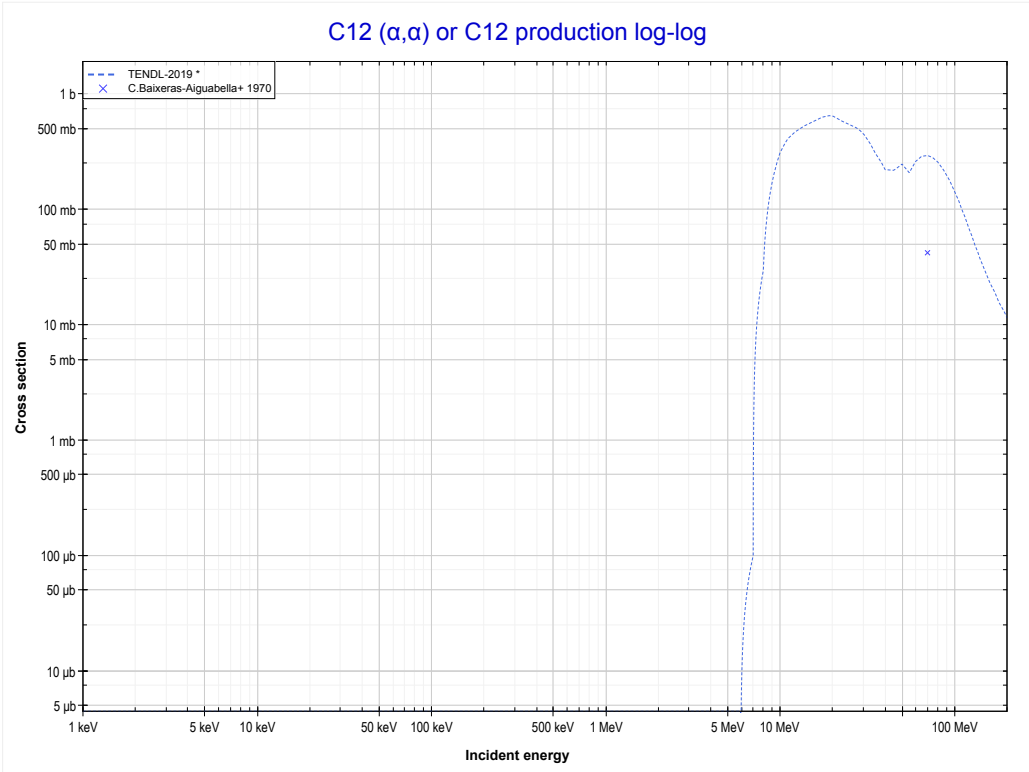
Reaction	Q-Value
C12(α,t)N13	-17870.37 keV
C12(α,n+d)N13	-24127.60 keV
C12(α,2n+p)N13	-26352.17 keV

	6-C-12	7-N-14 >>
<< MT105 (α,t)	MT106 (α, ³ He) or MT5 (C13 production)	MT107 (α,α) >>



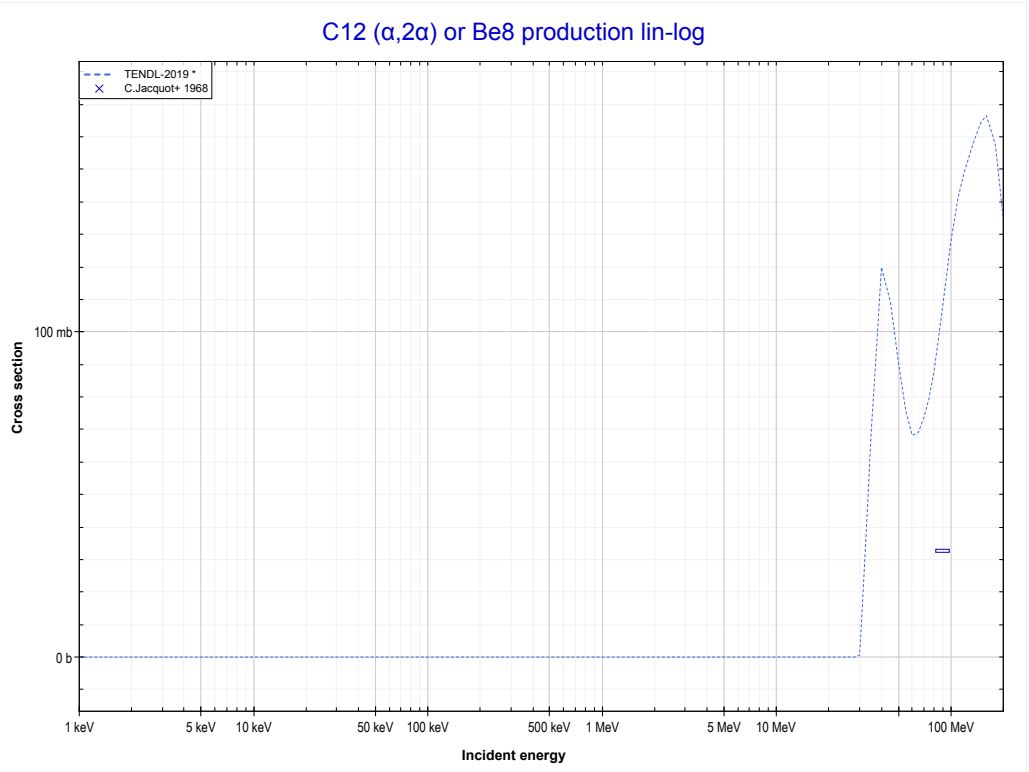
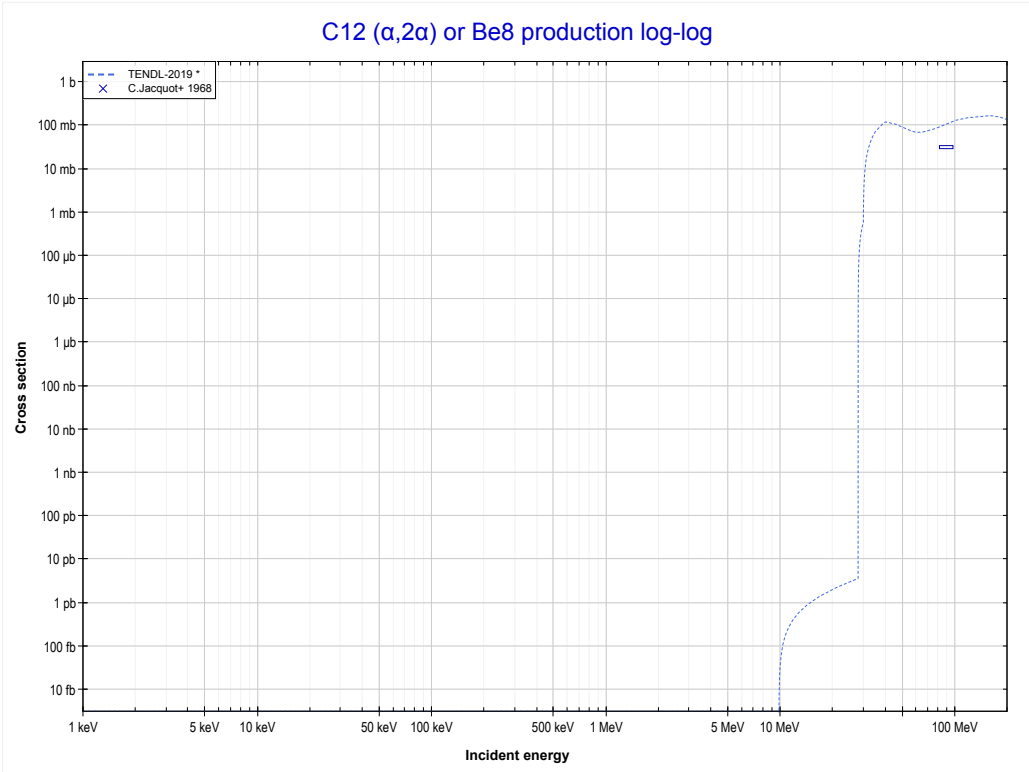
Reaction	Q-Value
C12(α,He3)C13	-15631.31 keV
C12(α,p+d)C13	-21124.79 keV
C12(α,n+2p)C13	-23349.35 keV

	6-C-12	7-N-14 >>
<< MT106 (α , ^3He)	MT107 (α , α) or MT5 (C12 production)	MT108 (α , 2α) >>



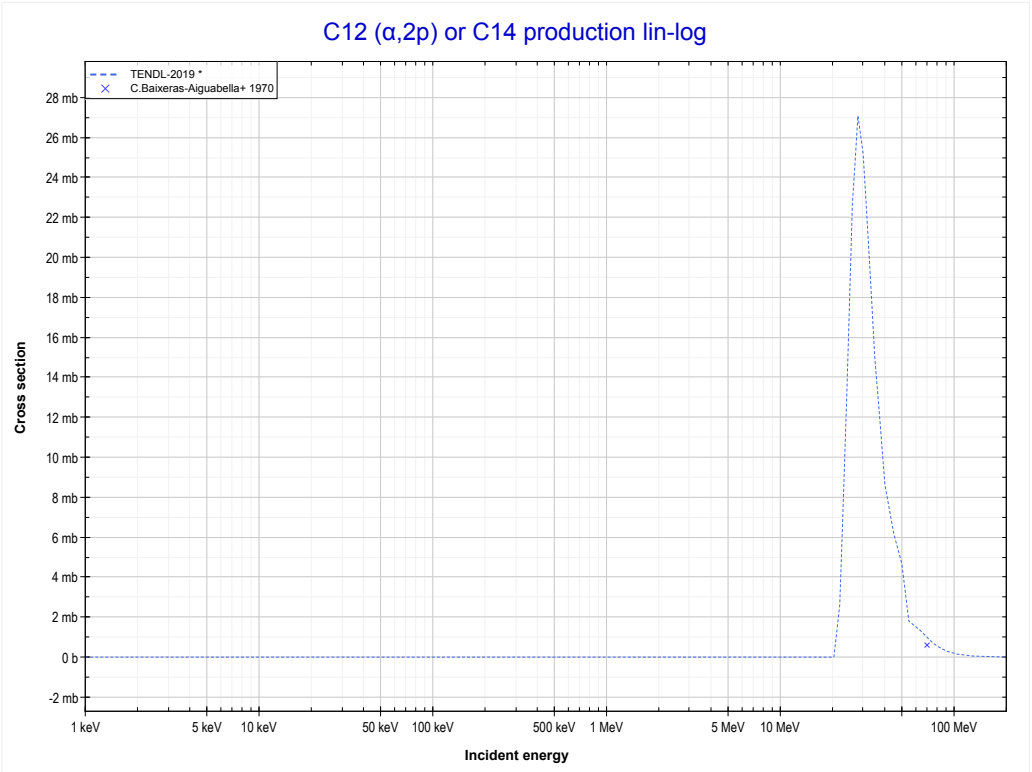
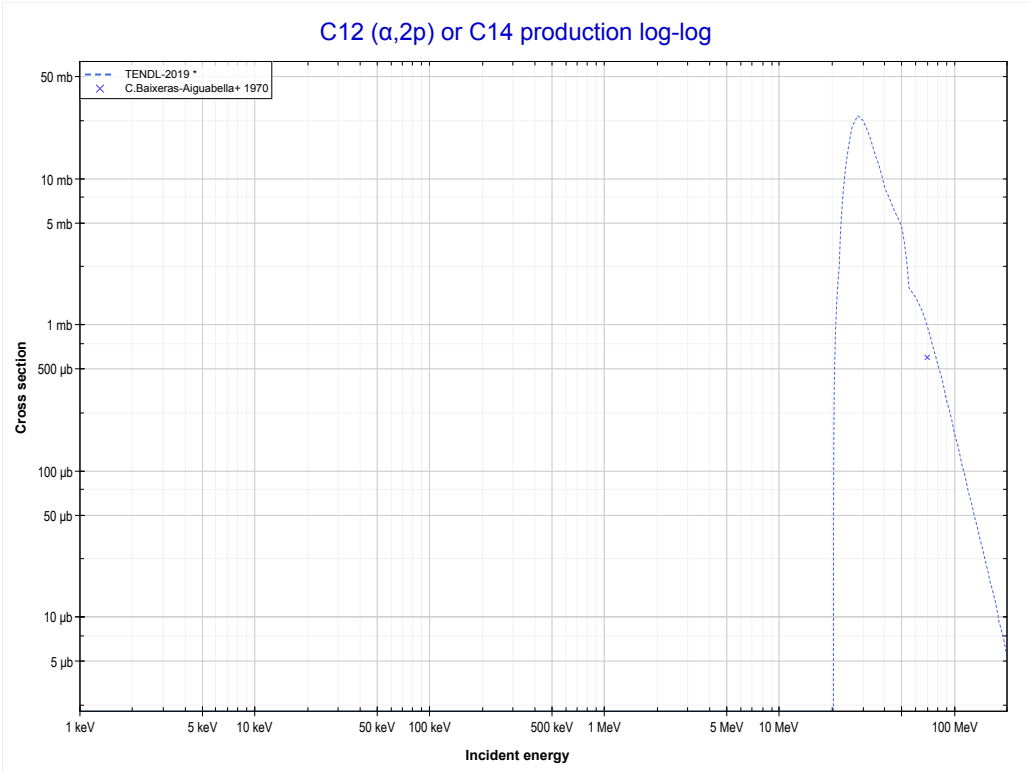
Reaction	Q-Value
C12(α , α)C12	0.00 keV
C12(α ,p+t)C12	-19813.86 keV
C12(α ,n+He3)C12	-20577.62 keV
C12(α ,2d)C12	-23846.53 keV
C12(α ,n+p+d)C12	-26071.09 keV
C12(α ,2n+2p)C12	-28295.66 keV

	6-C-12	7-N-14 >>
<< MT107 (α,α)	MT108 ($\alpha,2\alpha$) or MT5 (Be8 production)	MT111 ($\alpha,2p$) >>



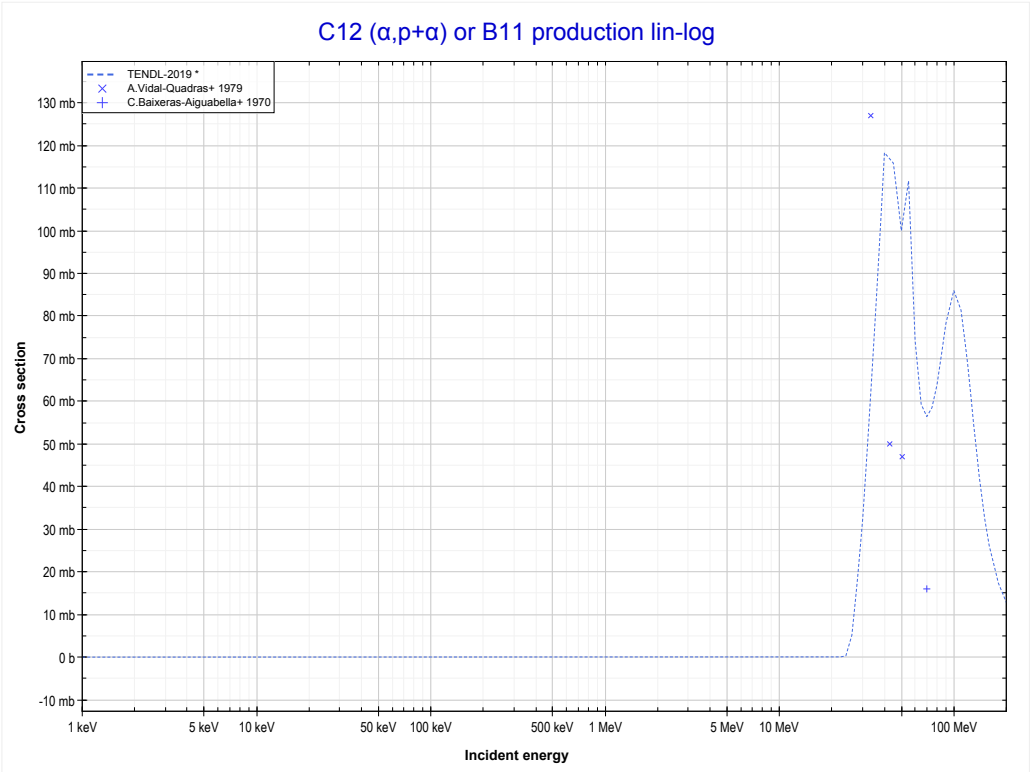
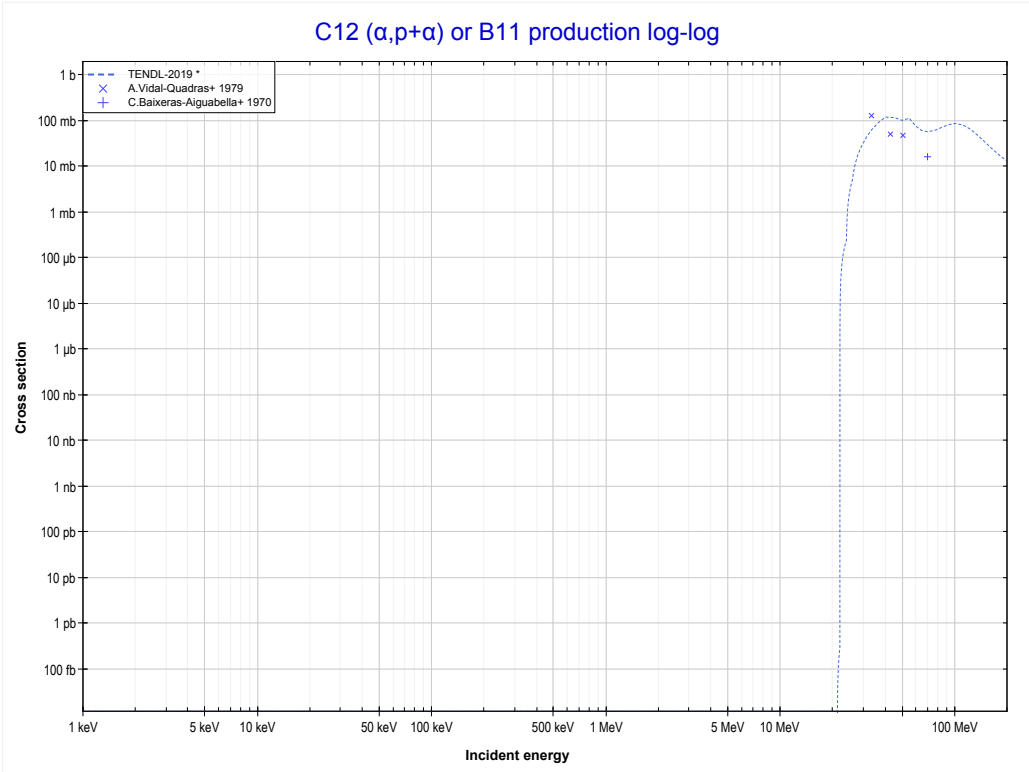
Reaction	Q-Value	Reaction	Q-Value
C12($\alpha,2\alpha$)Be8	-7366.59 keV	C12($\alpha,n+p+t+He3$)Be8	-47758.07 keV
C12($\alpha,p+t+\alpha$)Be8	-27180.45 keV	C12($\alpha,2n+2He3$)Be8	-48521.82 keV
C12($\alpha,n+He3+\alpha$)Be8	-27944.20 keV	C12($\alpha,p+2d+t$)Be8	-51026.98 keV
C12($\alpha,2d+\alpha$)Be8	-31213.11 keV	C12($\alpha,n+2d+He3$)Be8	-51790.73 keV
C12($\alpha,n+p+d+\alpha$)Be8	-33437.68 keV	C12($\alpha,n+2p+d+t$)Be8	-53251.54 keV
C12($\alpha,2n+2p+\alpha$)Be8	-35662.25 keV	C12($\alpha,2n+p+d+He3$)Be8	-54015.30 keV
C12($\alpha,d+t+He3$)Be8	-45533.50 keV	C12($\alpha,4d$)Be8	-55059.64 keV
C12($\alpha,2p+2t$)Be8	-46994.32 keV	C12($\alpha,2n+3p+t$)Be8	-55476.11 keV

	6-C-12	12-Mg-25 >>
<< MT108 ($\alpha,2\alpha$)	MT111 ($\alpha,2p$) or MT5 (C14 production)	MT112 ($\alpha,p+\alpha$) >>



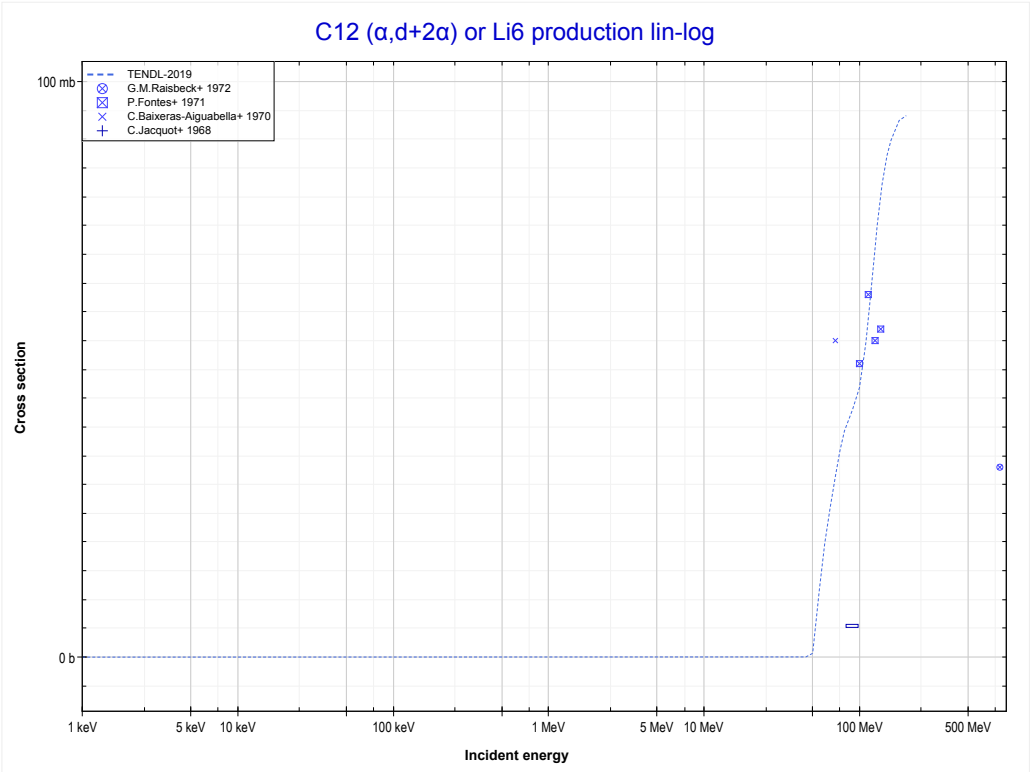
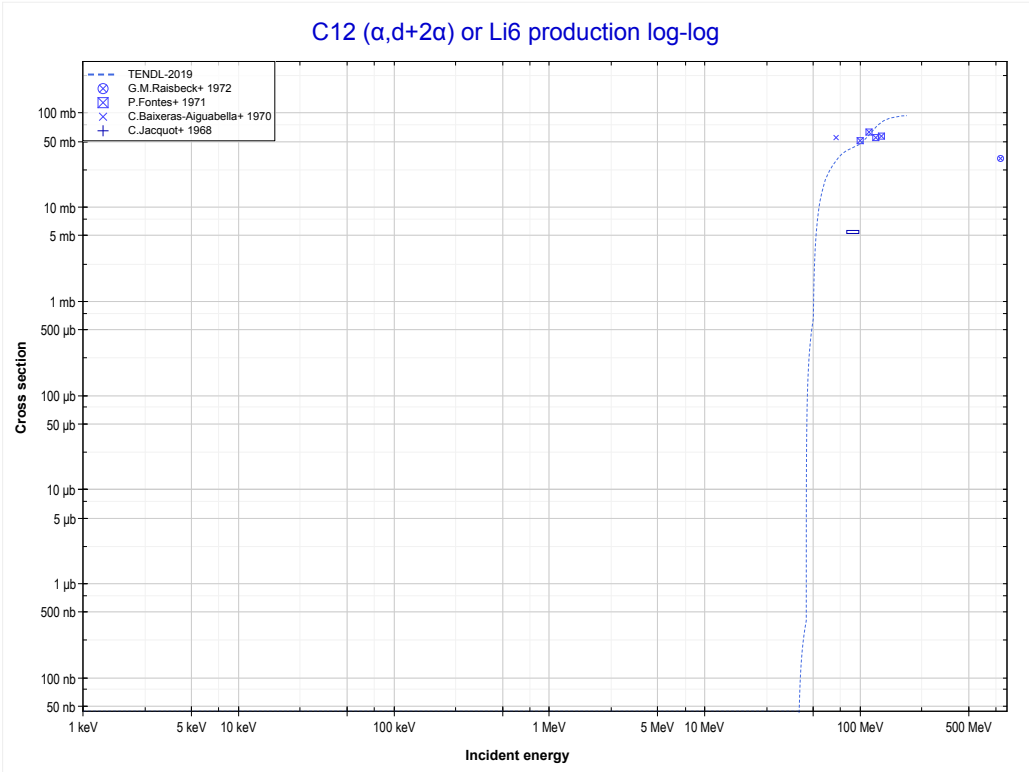
Reaction	Q-Value
C12($\alpha,2p$)C14	-15172.92 keV

	6-C-12	7-N-14 >>
<< MT111 ($\alpha,2p$)	MT112 ($\alpha,p+\alpha$) or MT5 (B11 production)	MT114 ($\alpha,d+2\alpha$) >>



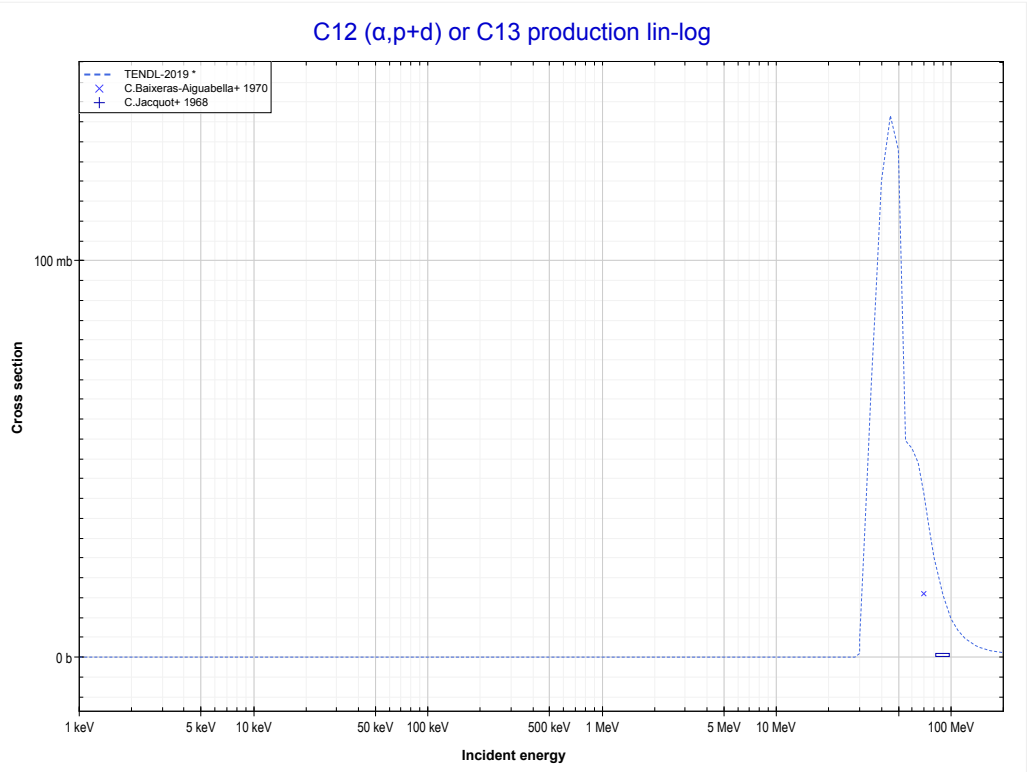
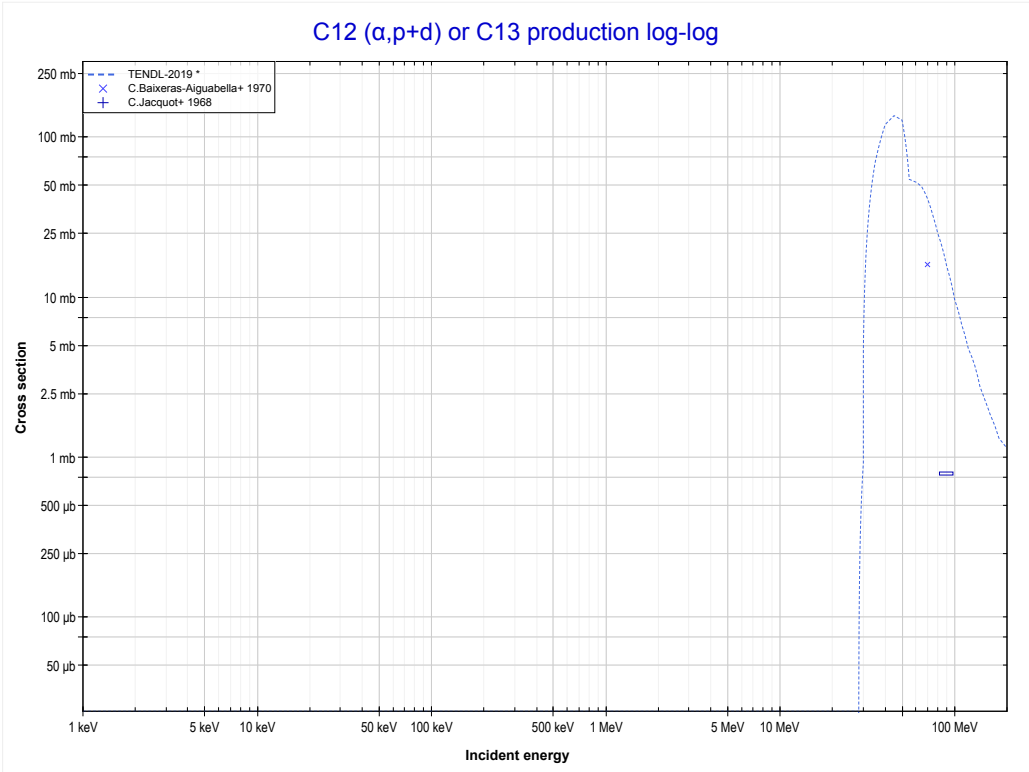
Reaction	Q-Value
C12($\alpha,p+\alpha$)B11	-15956.68 keV
C12($\alpha,d+He3$)B11	-34309.73 keV
C12($\alpha,2p+t$)B11	-35770.54 keV
C12($\alpha,n+p+He3$)B11	-36534.30 keV
C12($\alpha,p+2d$)B11	-39803.21 keV
C12($\alpha,n+2p+d$)B11	-42027.77 keV
C12($\alpha,2n+3p$)B11	-44252.34 keV

	6-C-12	
<< MT112 (α,p+α)	MT114 (α,d+2α) or MT5 (Li6 production)	MT115 (α,p+d) >>



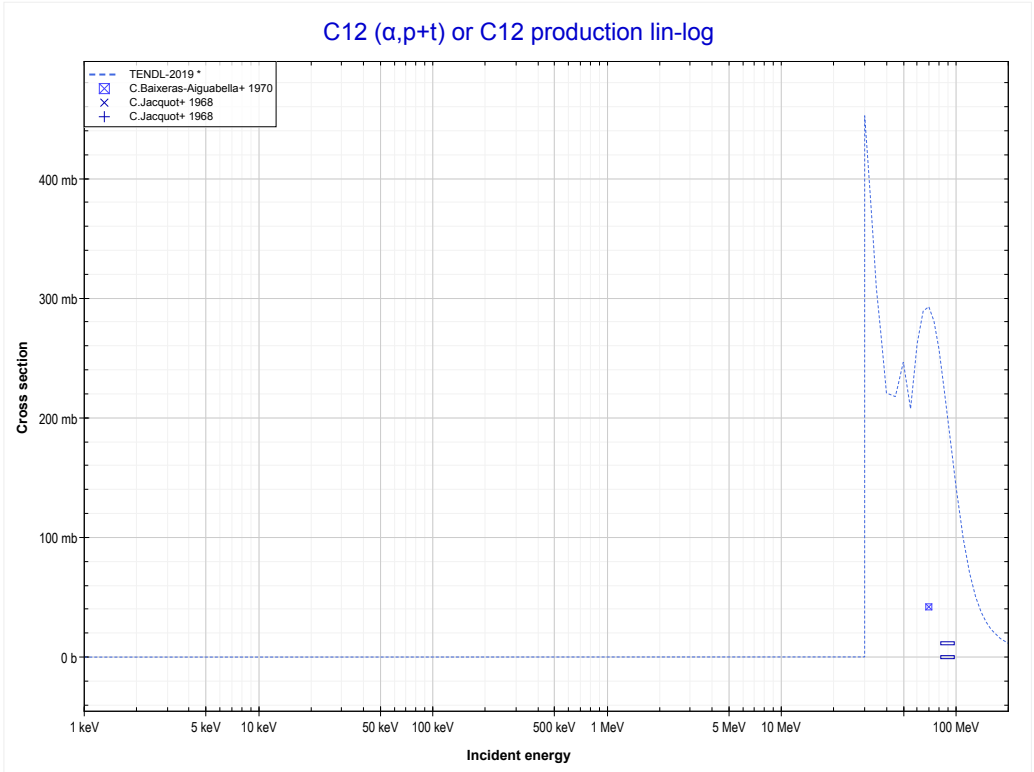
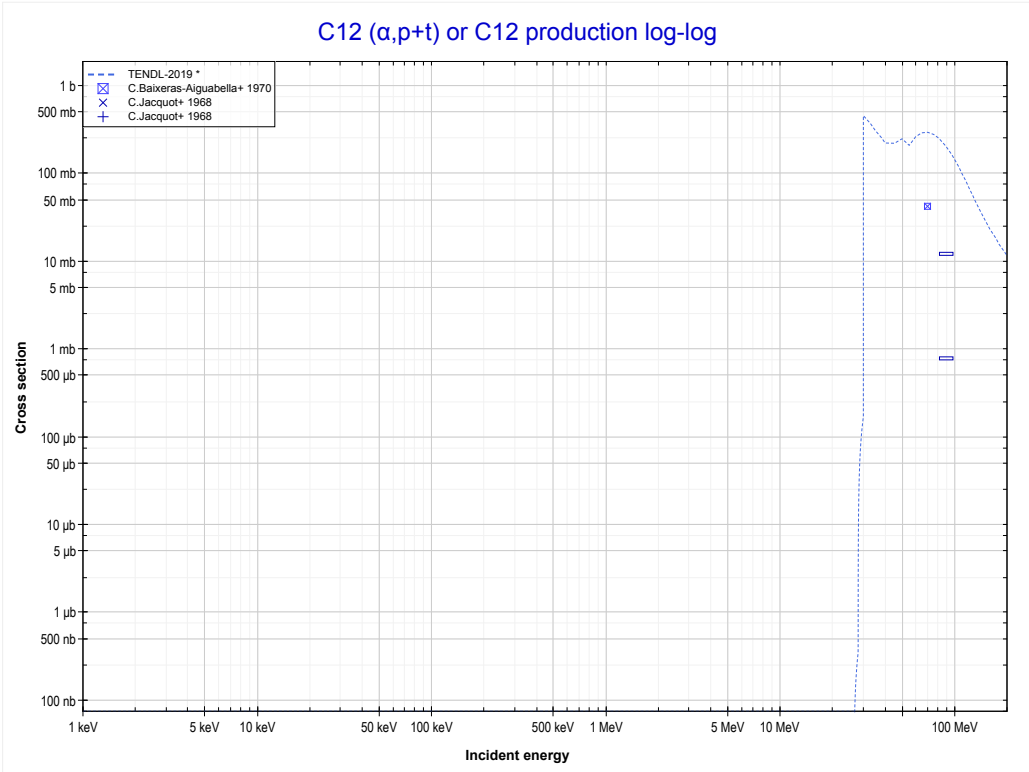
Reaction	Q-Value	Reaction	Q-Value
C12(α,d+2α)Li6	-29647.52 keV	C12(α,n+p+2d+α)Li6	-55718.61 keV
C12(α,n+p+2α)Li6	-31872.08 keV	C12(α,2n+2p+d+α)Li6	-57943.18 keV
C12(α,t+He3+α)Li6	-43967.91 keV	C12(α,3n+3p+α)Li6	-60167.74 keV
C12(α,p+d+t+α)Li6	-49461.38 keV	C12(α,p+2t+He3)Li6	-63781.77 keV
C12(α,n+d+He3+α)Li6	-50225.14 keV	C12(α,n+t+2He3)Li6	-64545.53 keV
C12(α,n+2p+t+α)Li6	-51685.95 keV	C12(α,2d+t+He3)Li6	-67814.43 keV
C12(α,2n+p+He3+α)Li6	-52449.70 keV	C12(α,2p+d+2t)Li6	-69275.25 keV
C12(α,3d+α)Li6	-53494.04 keV	C12(α,n+p+d+t+He3)Li6	-70039.00 keV

	6-C-12	7-N-14 >>
<< MT114 (α ,d+2 α)	MT115 (α ,p+d) or MT5 (C13 production)	MT116 (α ,p+t) >>



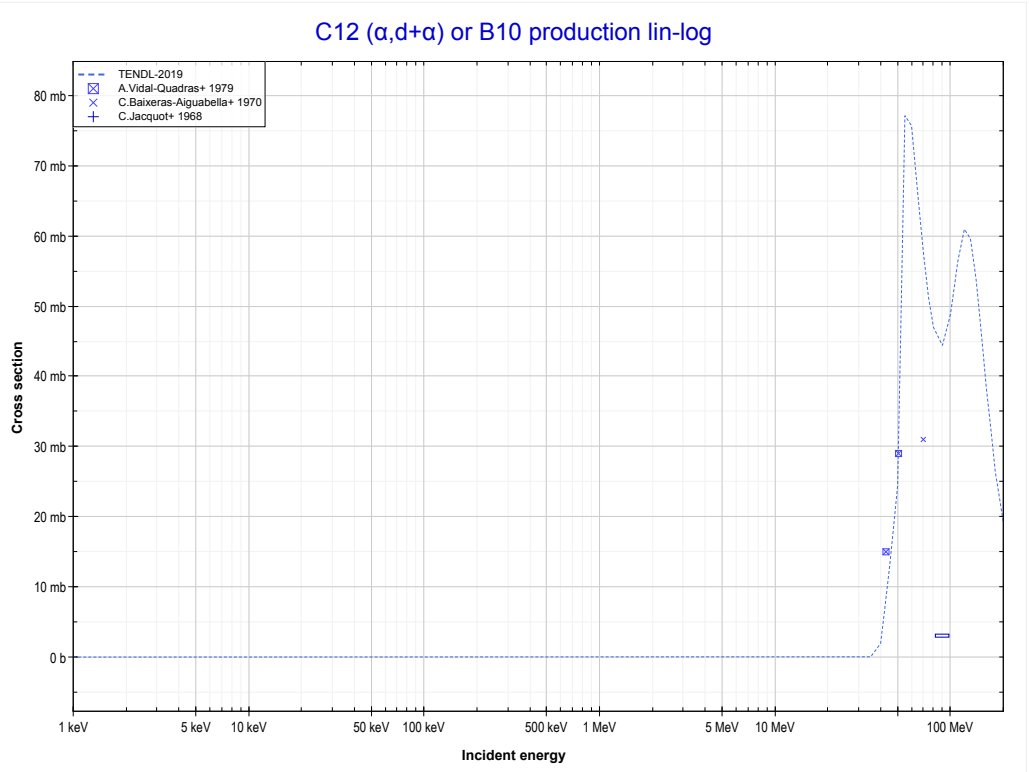
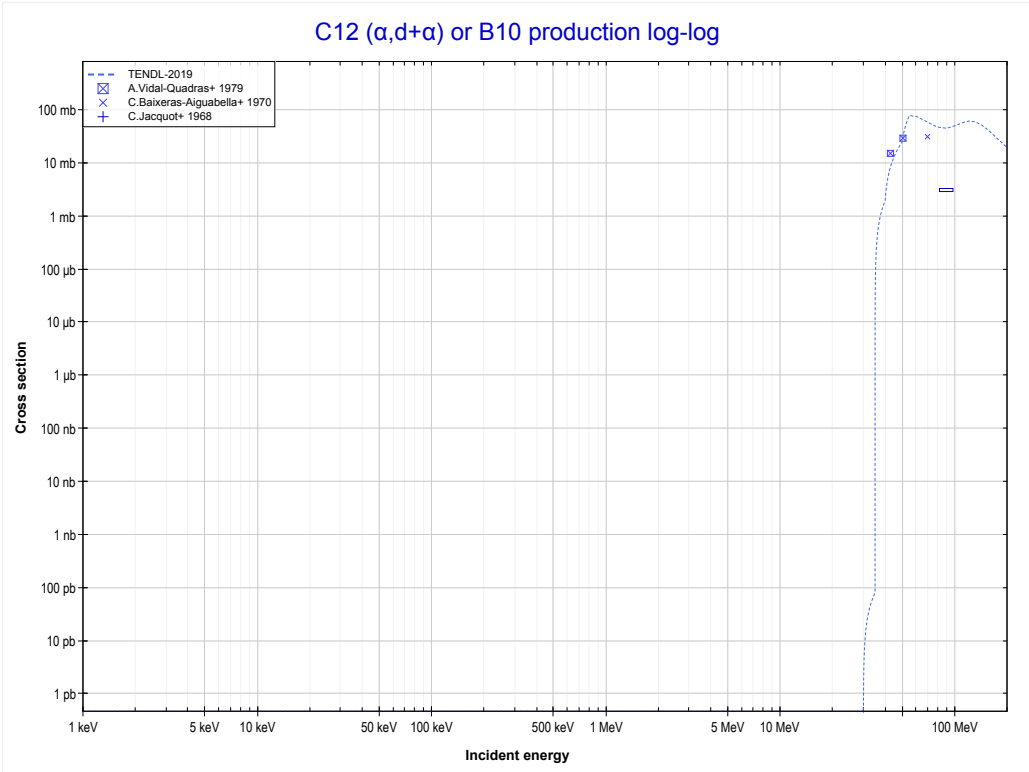
Reaction	Q-Value
C12(α ,He3)C13	-15631.31 keV
C12(α ,p+d)C13	-21124.79 keV
C12(α ,n+2p)C13	-23349.35 keV

	6-C-12	7-N-14 >>
<< MT115 (α,p+d)	MT116 (α,p+t) or MT5 (C12 production)	MT117 (α,d+α) >>



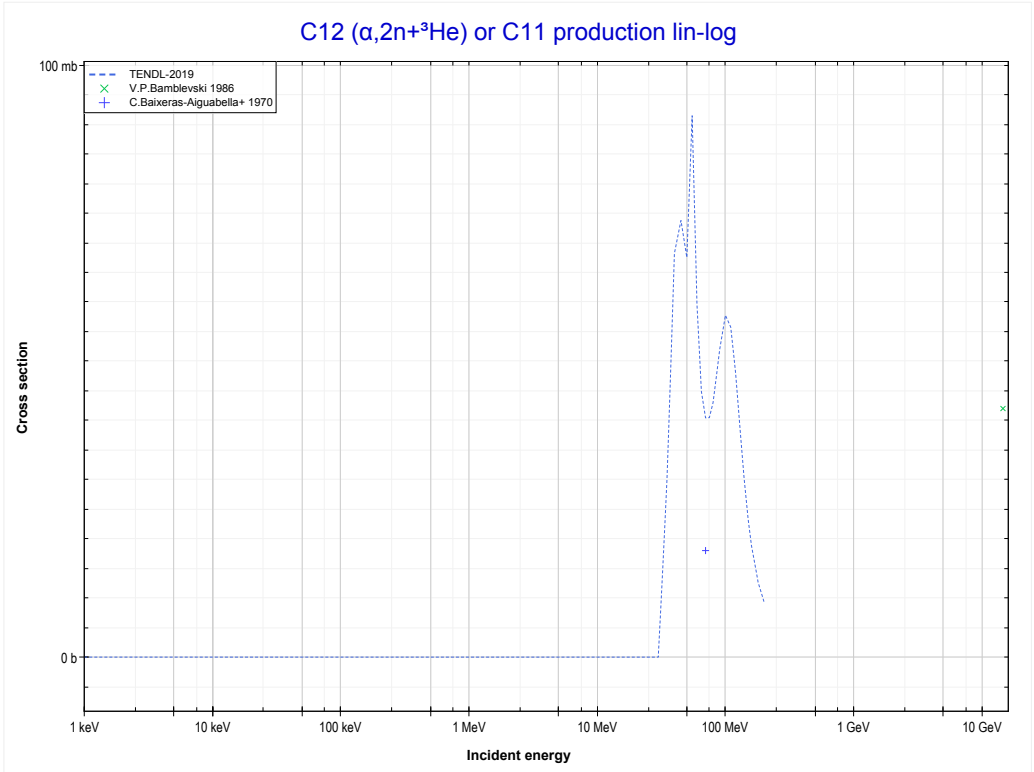
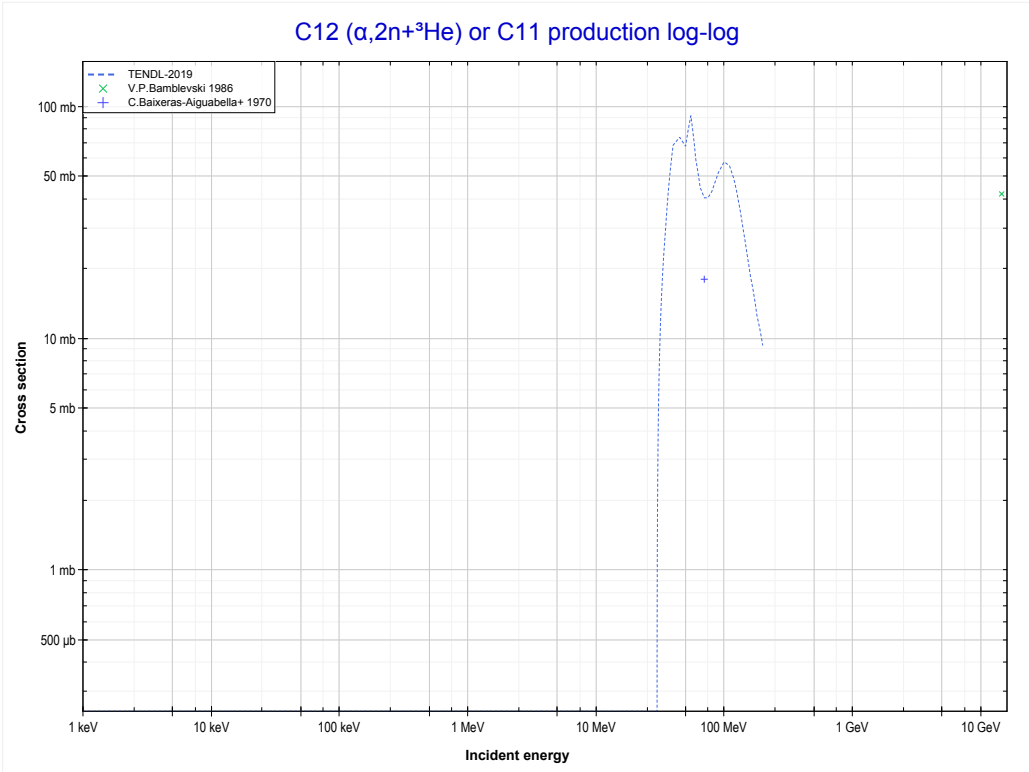
Reaction	Q-Value
C12(α,α)C12	0.00 keV
C12(α,p+t)C12	-19813.86 keV
C12(α,n+He3)C12	-20577.62 keV
C12(α,2d)C12	-23846.53 keV
C12(α,n+p+d)C12	-26071.09 keV
C12(α,2n+2p)C12	-28295.66 keV

	6-C-12	7-N-14 >>
<< MT116 (α ,p+t)	MT117 (α ,d+ α) or MT5 (B10 production)	MT176 (α ,2n+ ^3He) >>



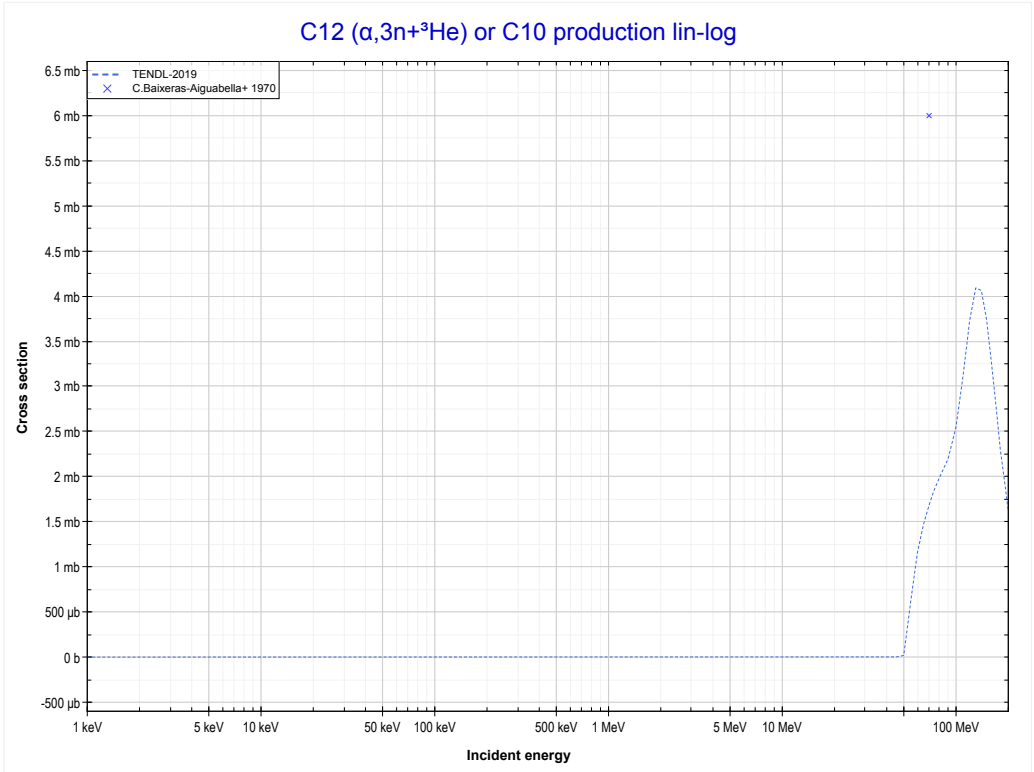
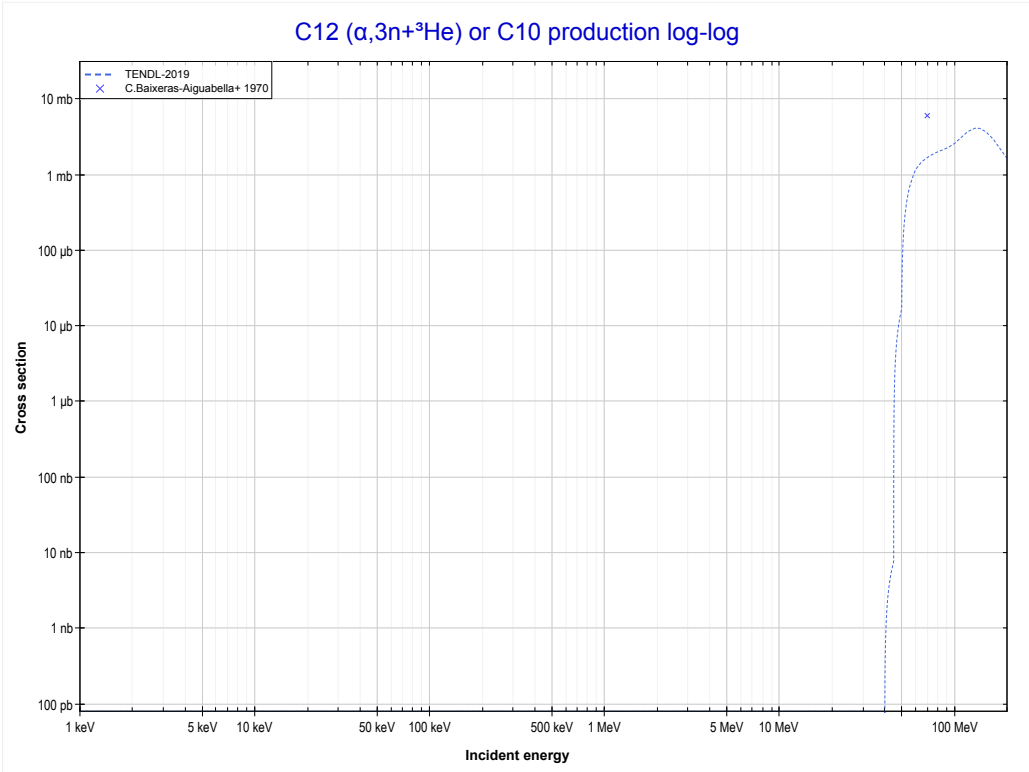
Reaction	Q-Value	Reaction	Q-Value
C12(α ,d+ α)B10	-25186.33 keV	C12(α ,n+p+2d)B10	-51257.42 keV
C12(α ,n+p+ α)B10	-27410.90 keV	C12(α ,2n+2p+d)B10	-53481.99 keV
C12(α ,t+He3)B10	-39506.72 keV	C12(α ,3n+3p)B10	-55706.56 keV
C12(α ,p+d+t)B10	-45000.20 keV		
C12(α ,n+d+He3)B10	-45763.95 keV		
C12(α ,n+2p+t)B10	-47224.76 keV		
C12(α ,2n+p+He3)B10	-47988.52 keV		
C12(α ,3d)B10	-49032.86 keV		

	6-C-12	7-N-14 >>
<< MT117 (α,d+α)	MT176 (α,2n+ ³ He) or MT5 (C11 production)	MT177 (α,3n+ ³ He) >>



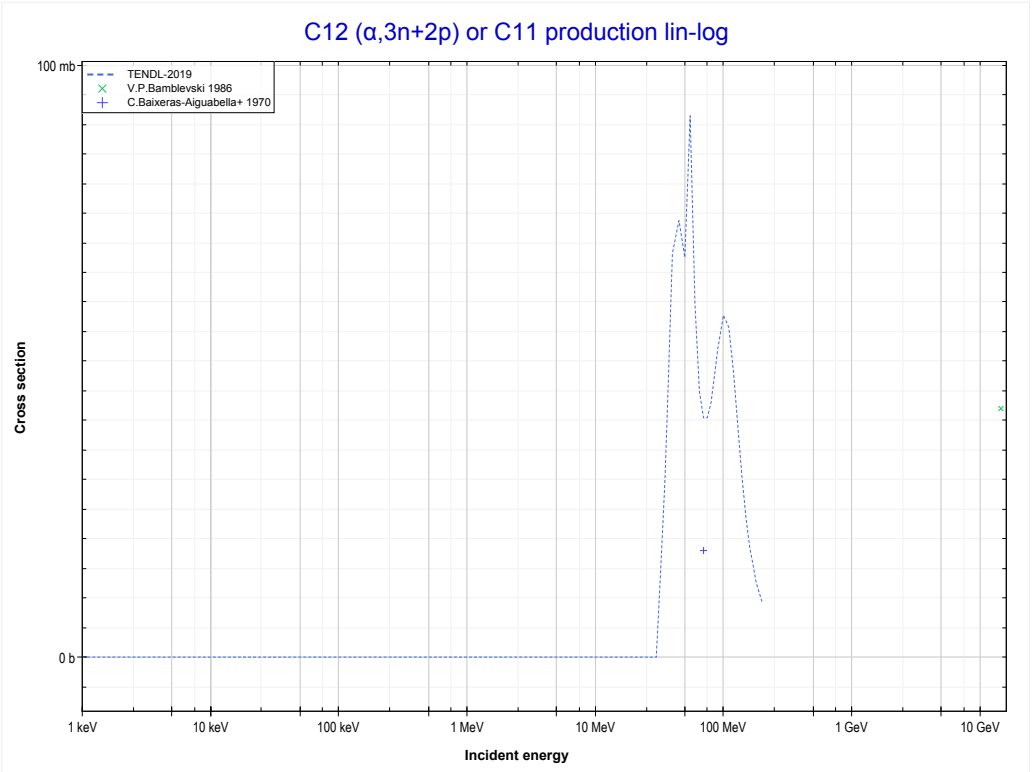
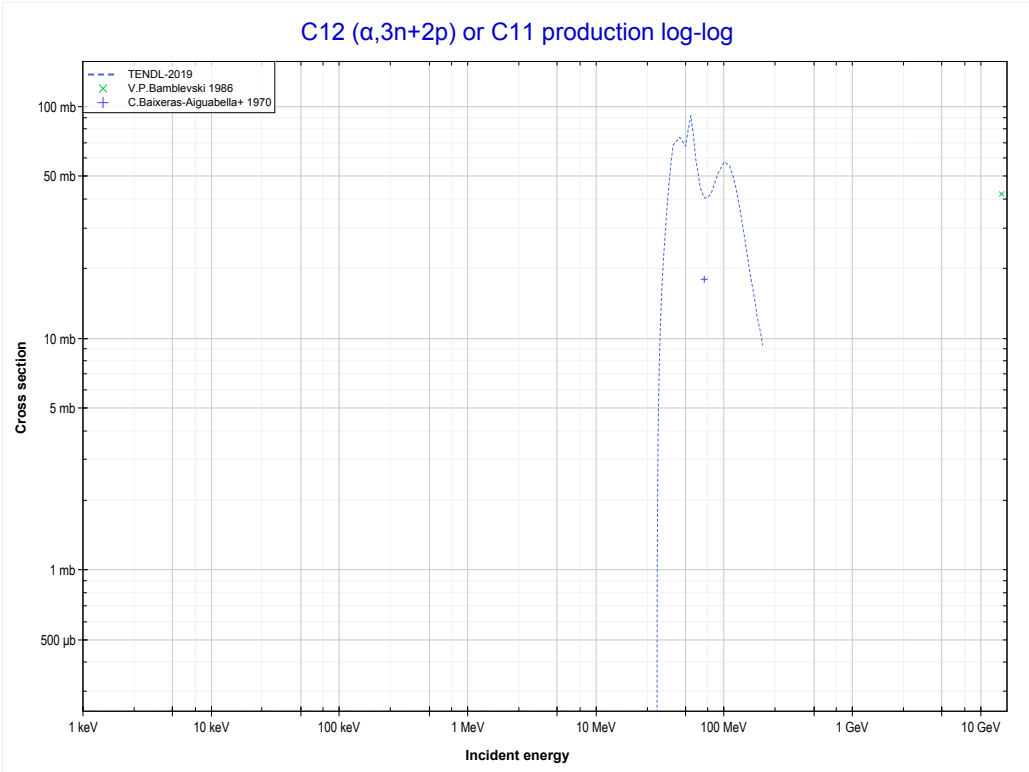
Reaction	Q-Value
C12(α,n+α)C11	-18720.72 keV
C12(α,d+t)C11	-36310.02 keV
C12(α,n+p+t)C11	-38534.58 keV
C12(α,2n+He3)C11	-39298.34 keV
C12(α,n+2d)C11	-42567.24 keV
C12(α,2n+p+d)C11	-44791.81 keV
C12(α,3n+2p)C11	-47016.38 keV

<< 4-Be-9	6-C-12	7-N-14 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (C10 production)	MT179 ($\alpha,3n+2p$) >>



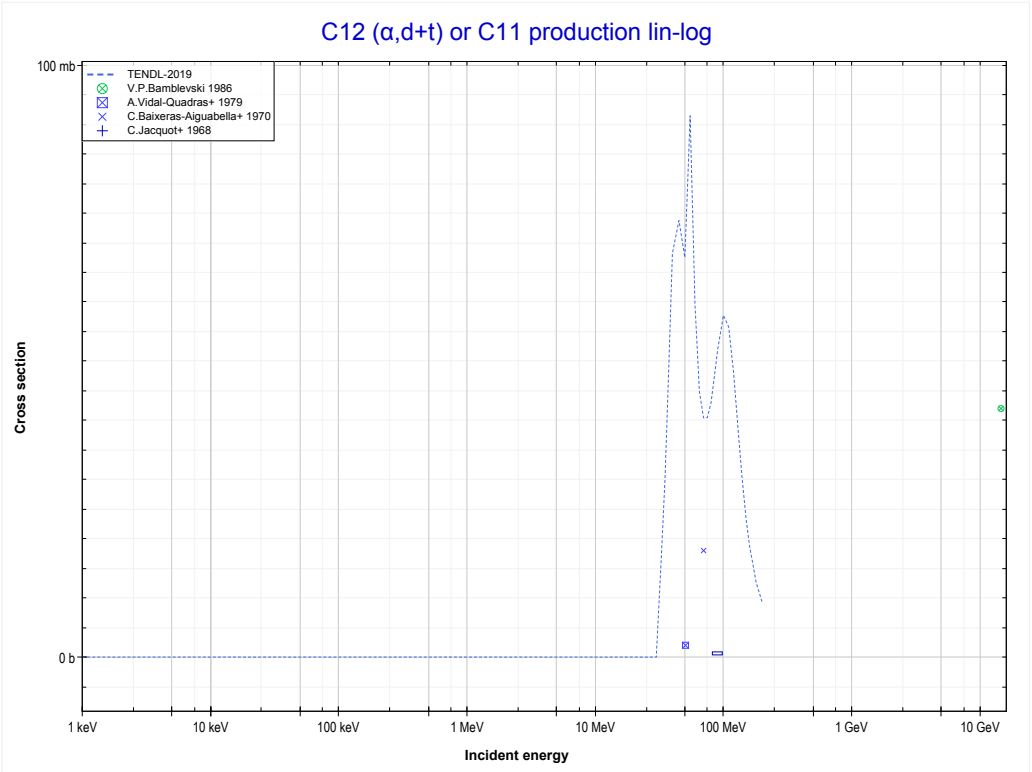
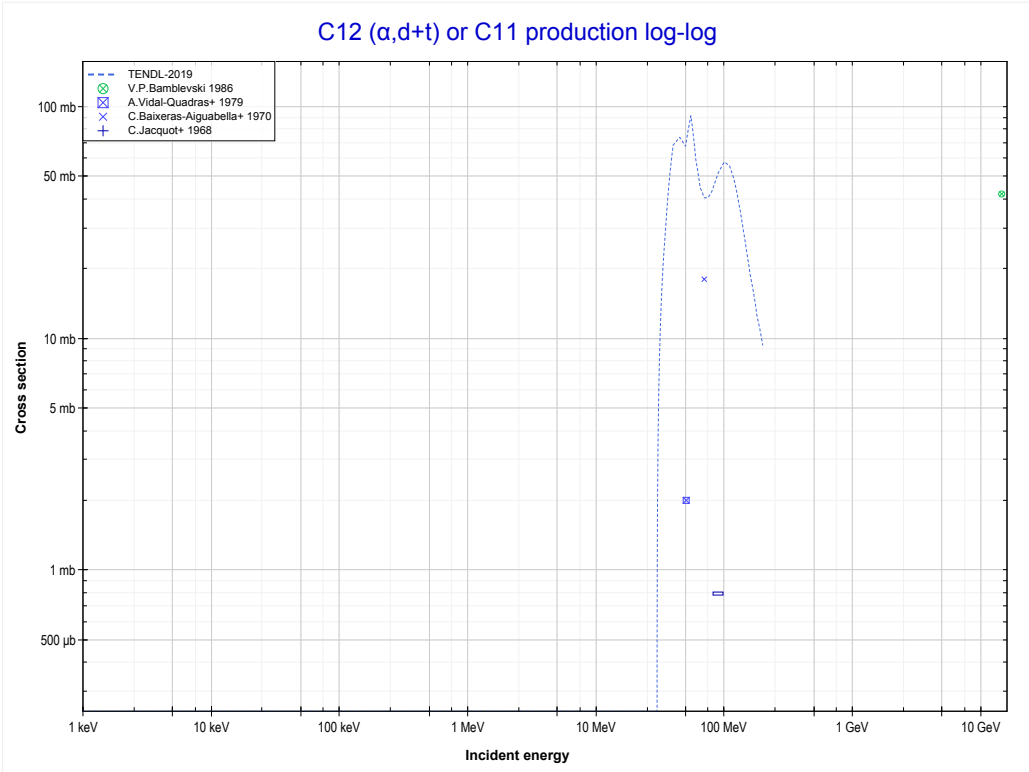
Reaction	Q-Value
C12($\alpha,2n+\alpha$)C10	-31841.30 keV
C12($\alpha,2t$)C10	-43173.37 keV
C12($\alpha,n+d+t$)C10	-49430.60 keV
C12($\alpha,2n+p+t$)C10	-51655.17 keV
C12($\alpha,3n+^3\text{He}$)C10	-52418.92 keV
C12($\alpha,2n+2d$)C10	-55687.83 keV
C12($\alpha,3n+p+d$)C10	-57912.40 keV
C12($\alpha,4n+2p$)C10	-60136.96 keV

	6-C-12	7-N-14 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (C11 production)	MT182 ($\alpha,d+t$) >>



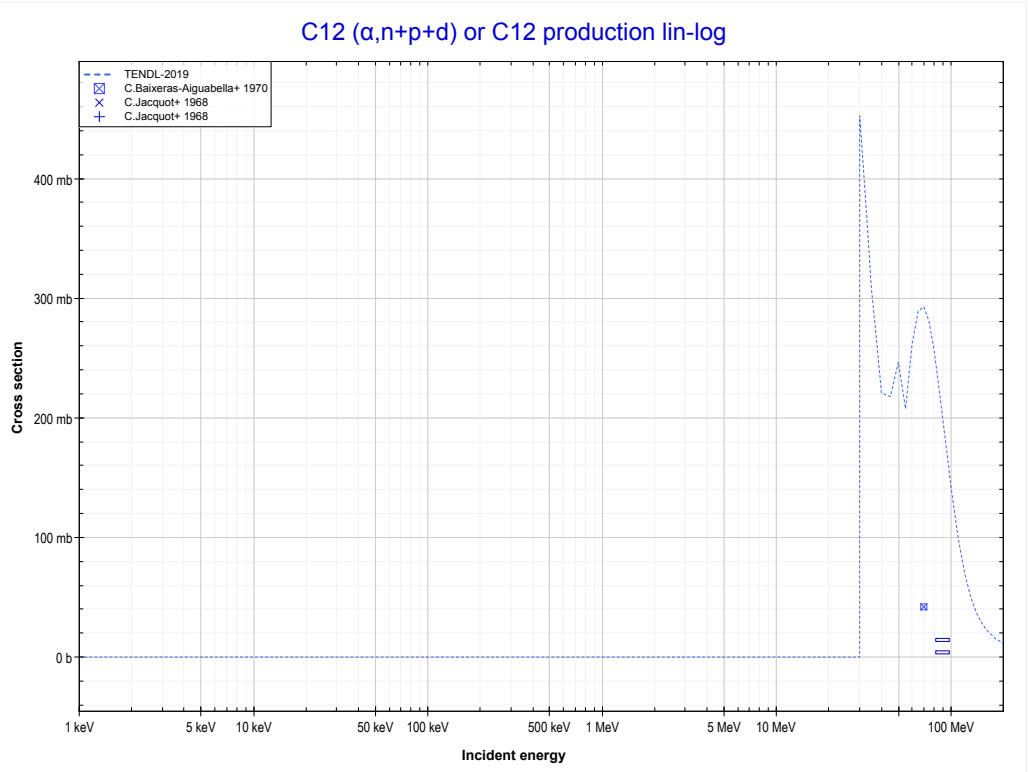
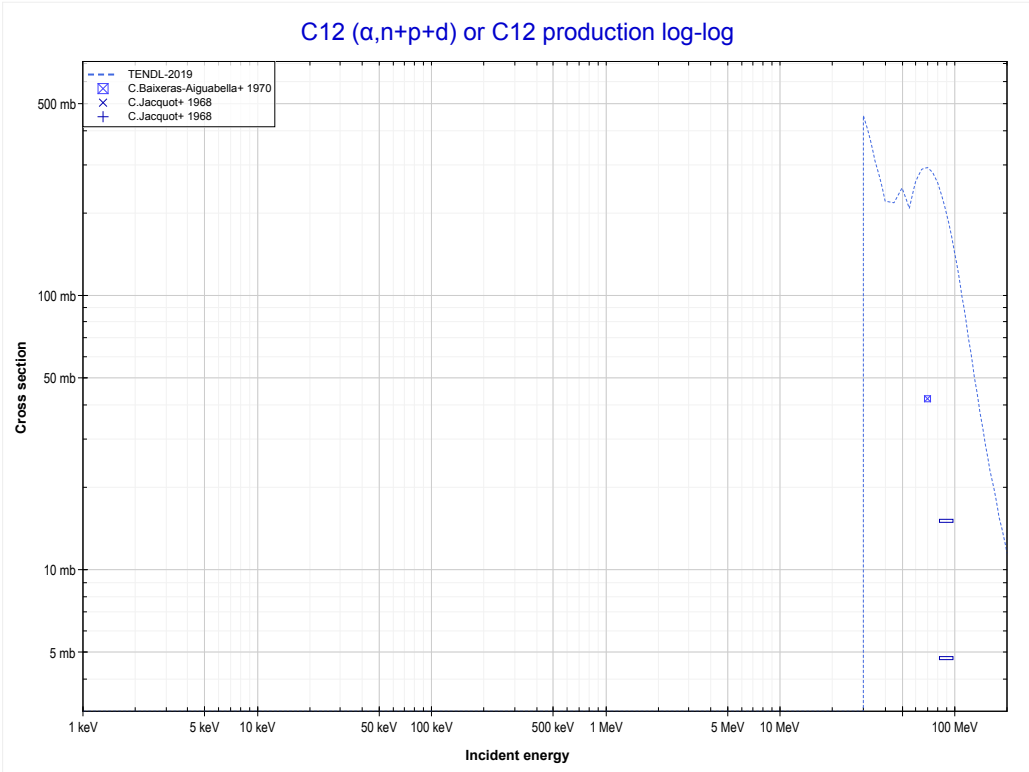
Reaction	Q-Value
C12($\alpha,n+\alpha$)C11	-18720.72 keV
C12($\alpha,d+t$)C11	-36310.02 keV
C12($\alpha,n+p+t$)C11	-38534.58 keV
C12($\alpha,2n+\text{He3}$)C11	-39298.34 keV
C12($\alpha,n+2d$)C11	-42567.24 keV
C12($\alpha,2n+p+d$)C11	-44791.81 keV
C12($\alpha,3n+2p$)C11	-47016.38 keV

	6-C-12	7-N-14 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (C11 production)	MT183 ($\alpha,n+p+d$) >>



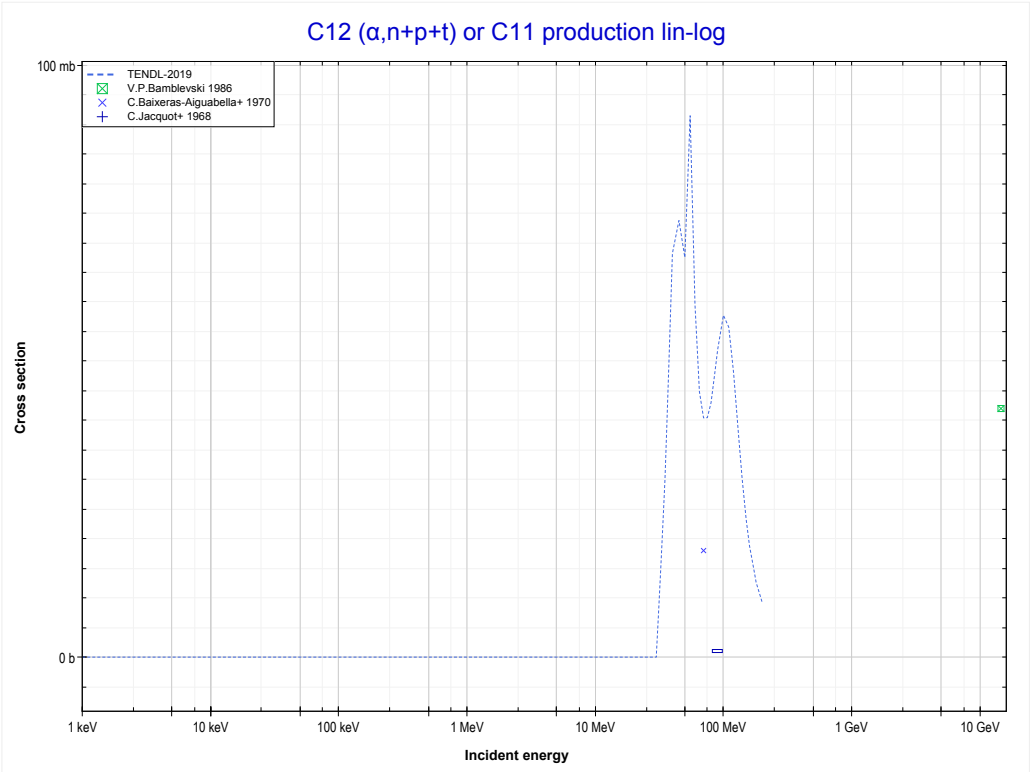
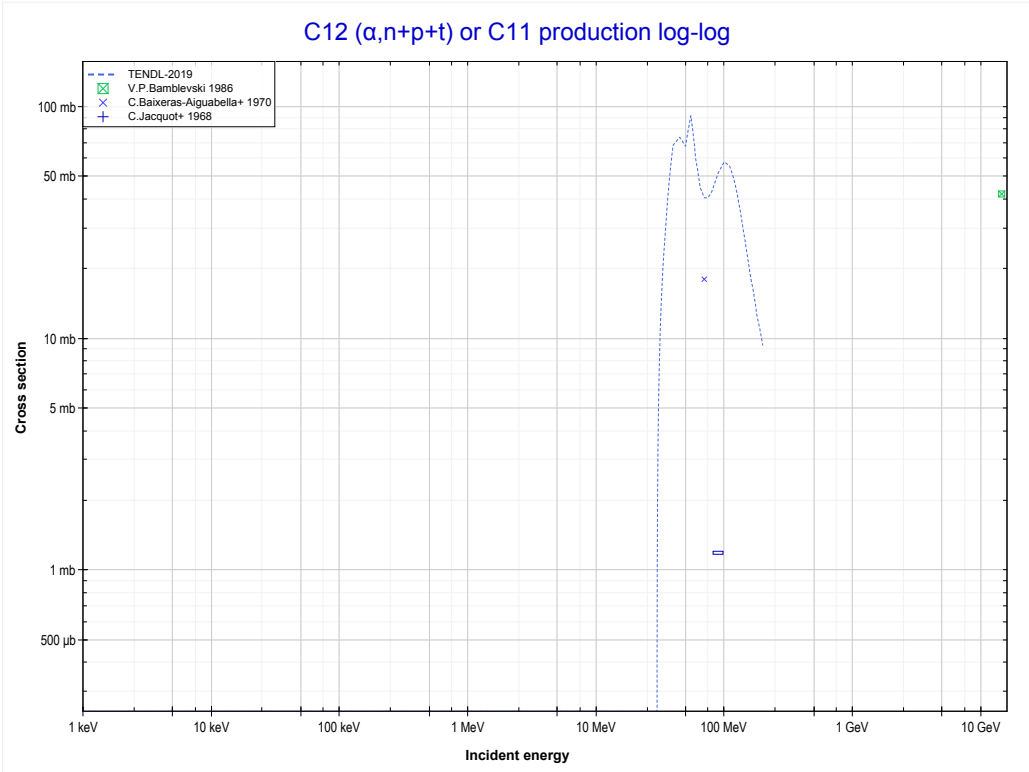
Reaction	Q-Value
C12($\alpha,n+\alpha$)C11	-18720.72 keV
C12($\alpha,d+t$)C11	-36310.02 keV
C12($\alpha,n+p+t$)C11	-38534.58 keV
C12($\alpha,2n+He3$)C11	-39298.34 keV
C12($\alpha,n+2d$)C11	-42567.24 keV
C12($\alpha,2n+p+d$)C11	-44791.81 keV
C12($\alpha,3n+2p$)C11	-47016.38 keV

	6-C-12	7-N-14 >>
<< MT182 (α,d+t)	MT183 (α,n+p+d) or MT5 (C12 production)	MT184 (α,n+p+t) >>



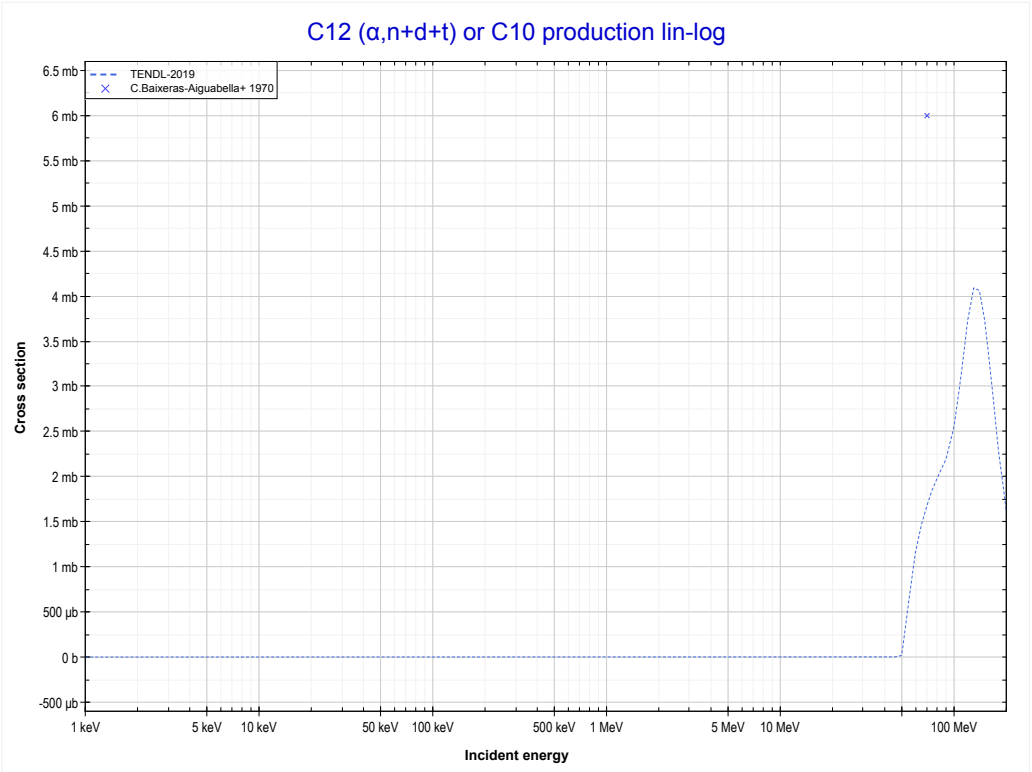
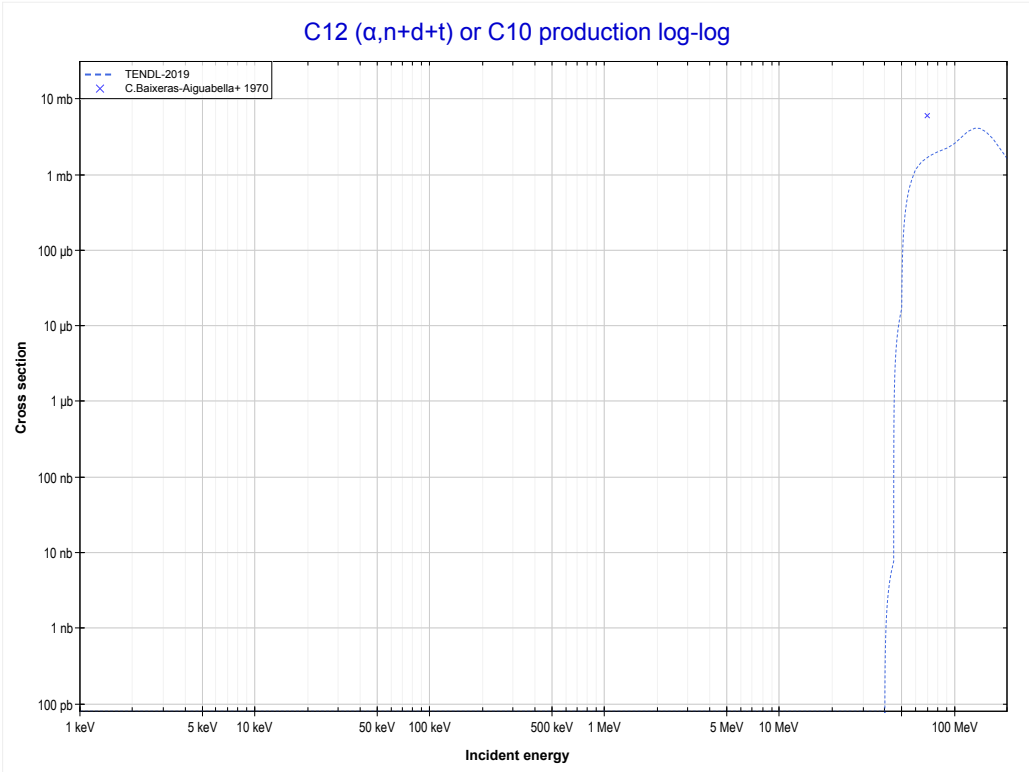
Reaction	Q-Value
C12(α,α)C12	0.00 keV
C12(α,p+t)C12	-19813.86 keV
C12(α,n+He3)C12	-20577.62 keV
C12(α,2d)C12	-23846.53 keV
C12(α,n+p+d)C12	-26071.09 keV
C12(α,2n+2p)C12	-28295.66 keV

	6-C-12	7-N-14 >>
<< MT183 (α ,n+p+d)	MT184 (α ,n+p+t) or MT5 (C11 production)	MT185 (α ,n+d+t) >>



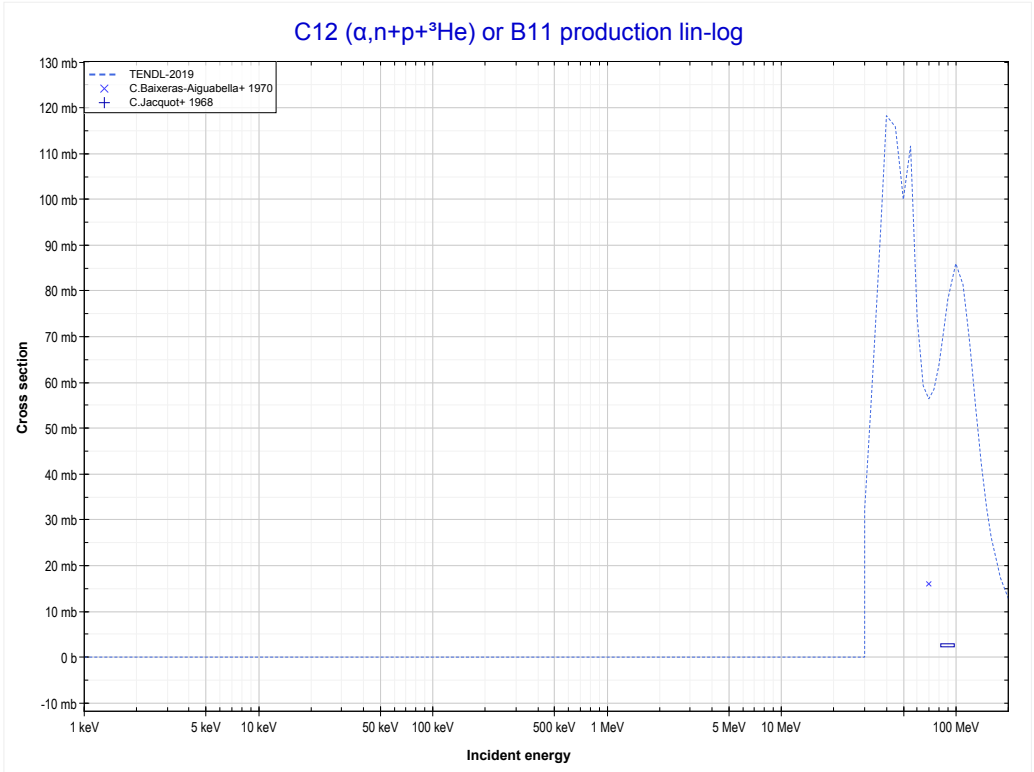
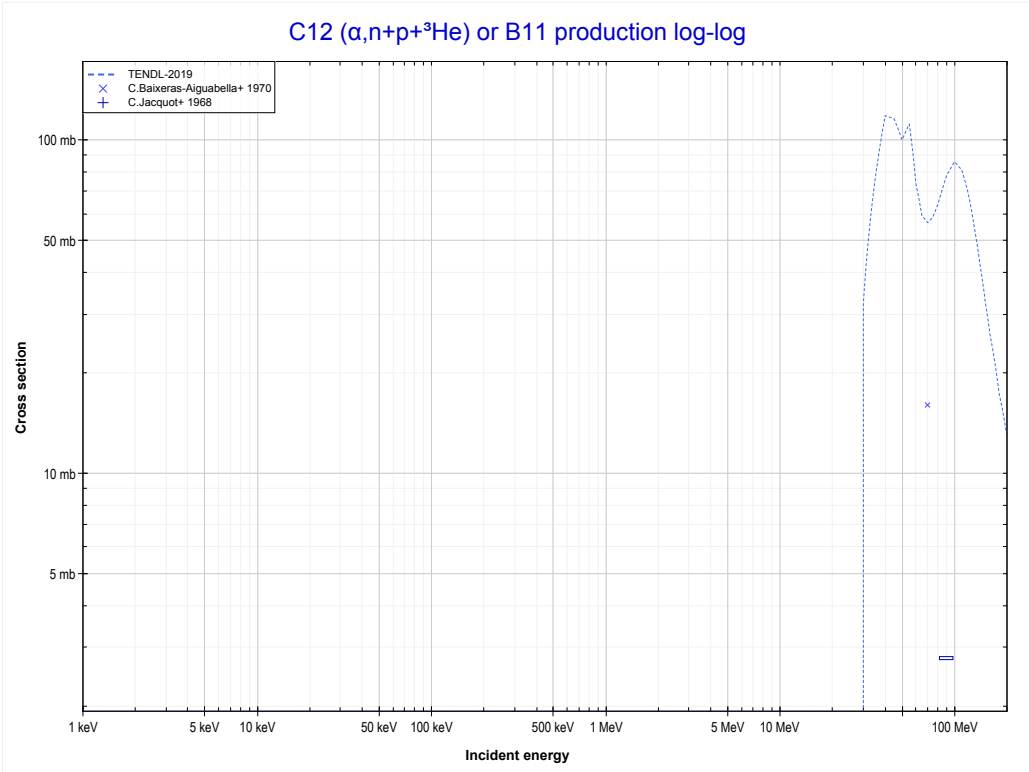
Reaction	Q-Value
C12(α ,n α)C11	-18720.72 keV
C12(α ,d+t)C11	-36310.02 keV
C12(α ,n+p+t)C11	-38534.58 keV
C12(α ,2n+He3)C11	-39298.34 keV
C12(α ,n+2d)C11	-42567.24 keV
C12(α ,2n+p+d)C11	-44791.81 keV
C12(α ,3n+2p)C11	-47016.38 keV

<< 4-Be-9	6-C-12	7-N-14 >>
<< MT184 (α,n+p+t)	MT185 (α,n+d+t) or MT5 (C10 production)	MT186 (α,n+p+ ³ He) >>



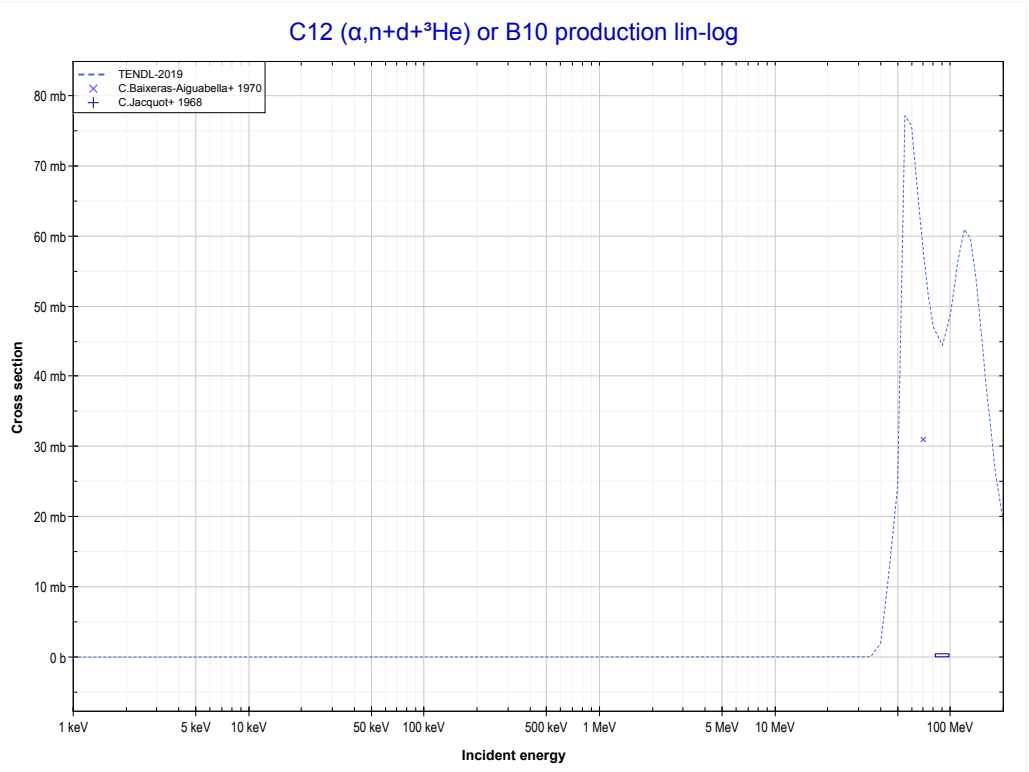
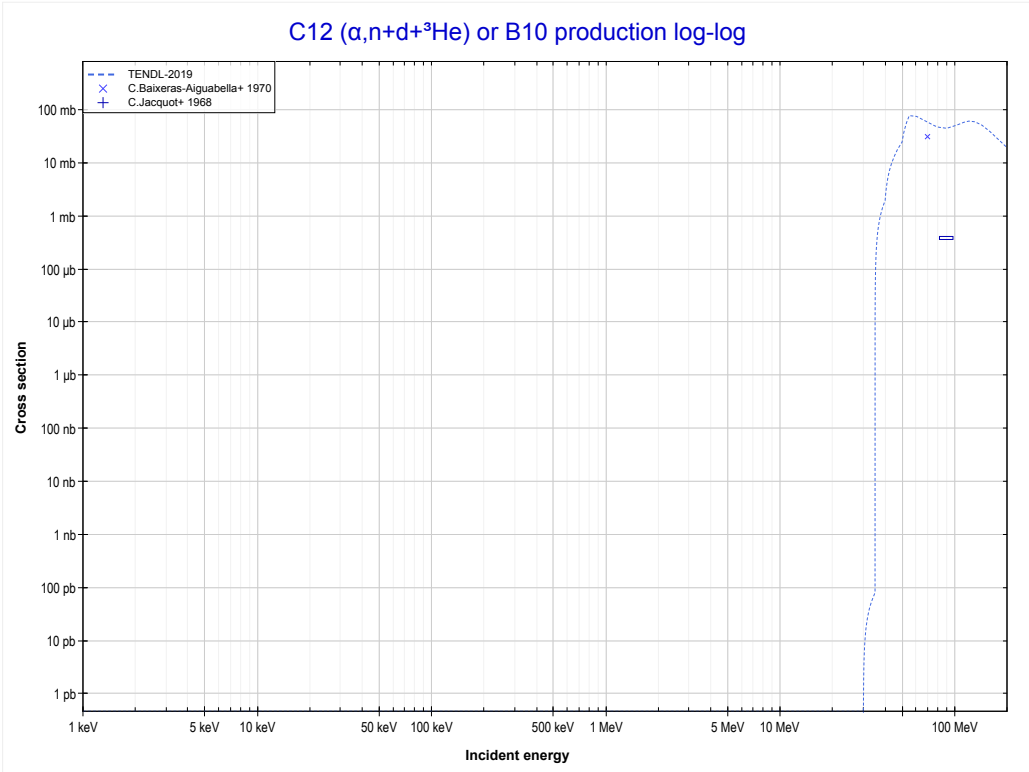
Reaction	Q-Value
C12(α,2n+α)C10	-31841.30 keV
C12(α,2t)C10	-43173.37 keV
C12(α,n+d+t)C10	-49430.60 keV
C12(α,2n+p+t)C10	-51655.17 keV
C12(α,3n+He3)C10	-52418.92 keV
C12(α,2n+2d)C10	-55687.83 keV
C12(α,3n+p+d)C10	-57912.40 keV
C12(α,4n+2p)C10	-60136.96 keV

	6-C-12	7-N-14 >>
<< MT185 (α,n+d+t)	MT186 (α,n+p+ ³ He) or MT5 (B11 production)	MT187 (α,n+d+ ³ He) >>



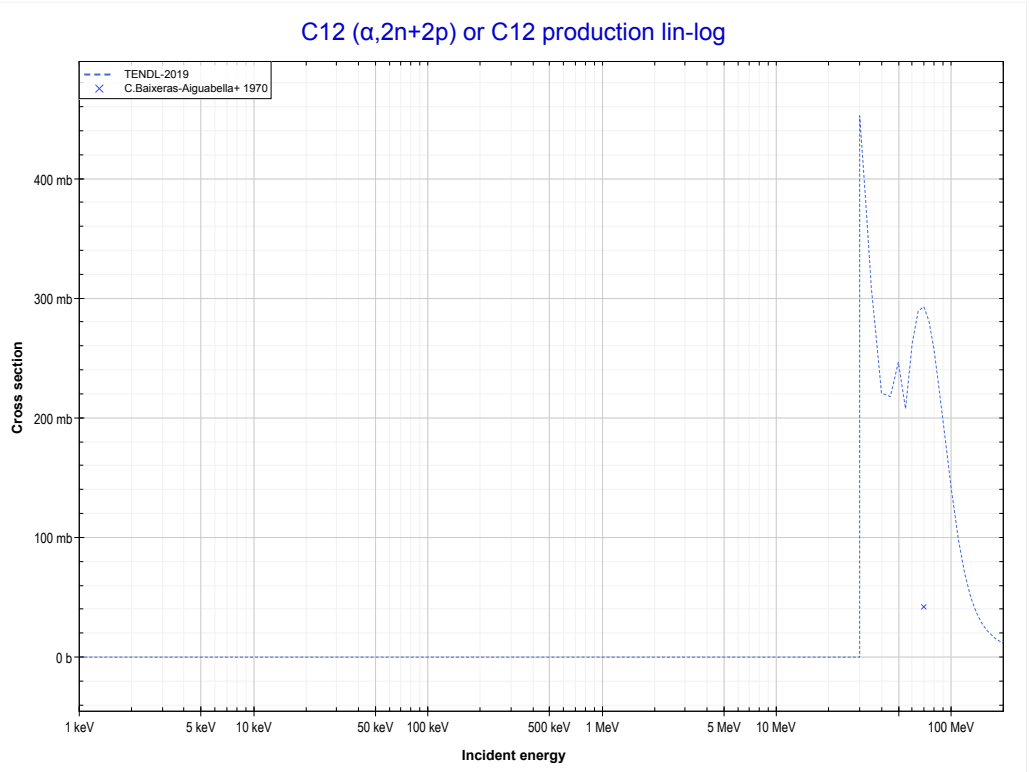
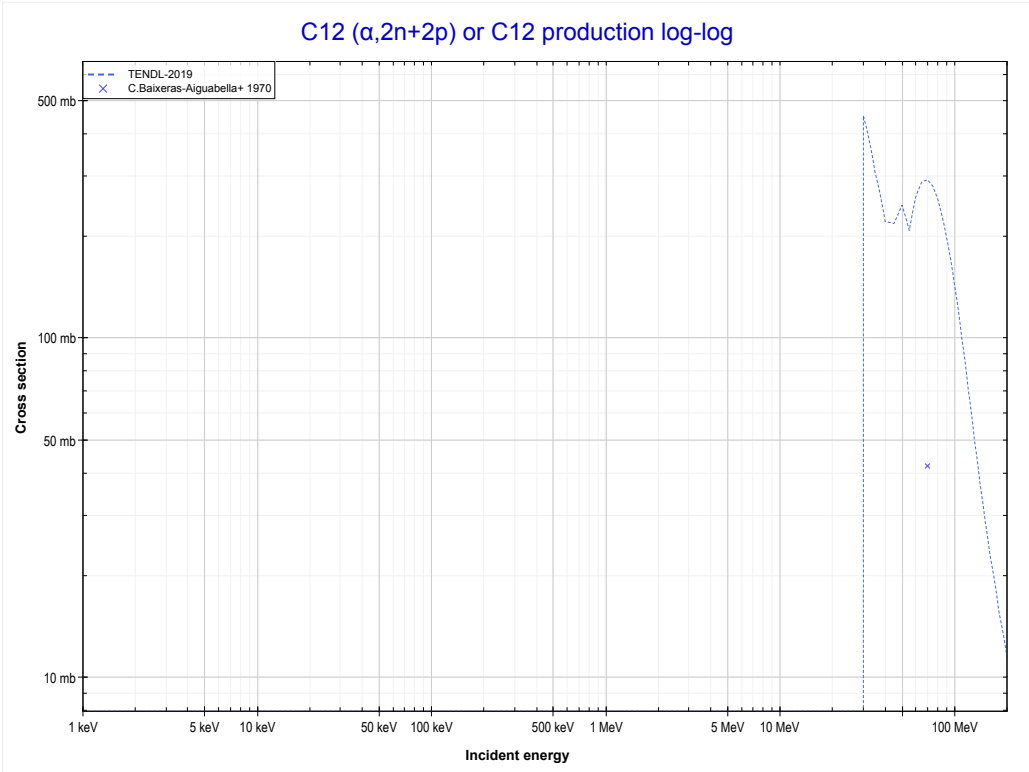
Reaction	Q-Value
C12(α,p+α)B11	-15956.68 keV
C12(α,d+He3)B11	-34309.73 keV
C12(α,2p+t)B11	-35770.54 keV
C12(α,n+p+He3)B11	-36534.30 keV
C12(α,p+2d)B11	-39803.21 keV
C12(α,n+2p+d)B11	-42027.77 keV
C12(α,2n+3p)B11	-44252.34 keV

	6-C-12	7-N-14 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT187 ($\alpha,n+d+^3\text{He}$) or MT5 (B10 production)	MT190 ($\alpha,2n+2p$) >>



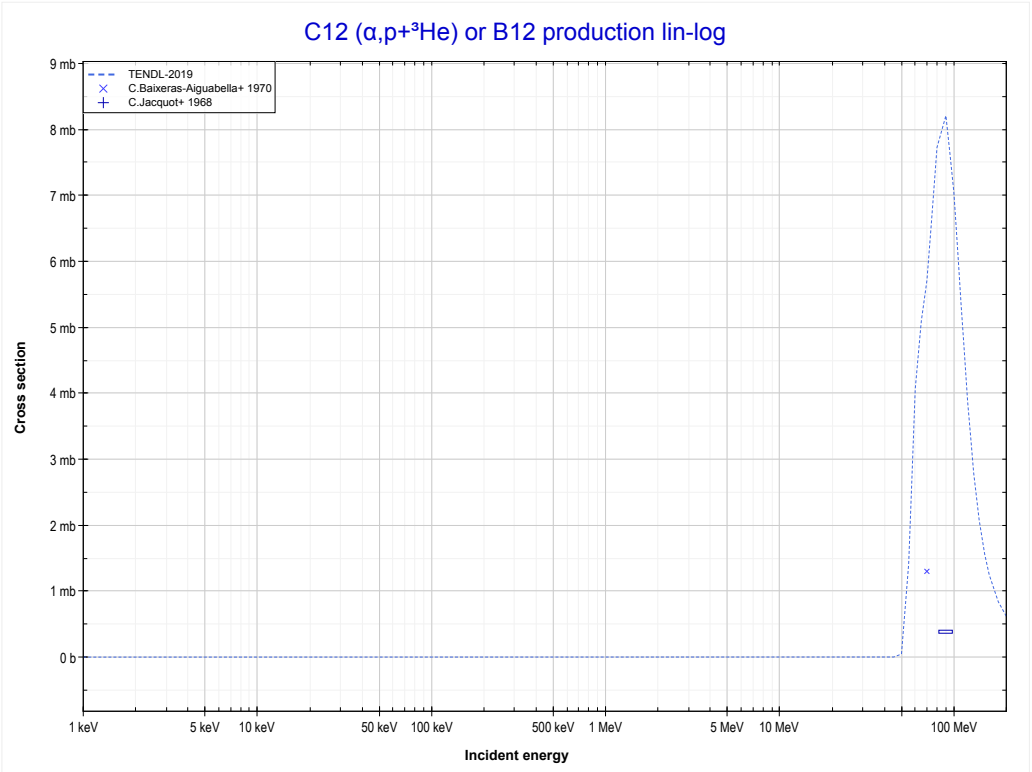
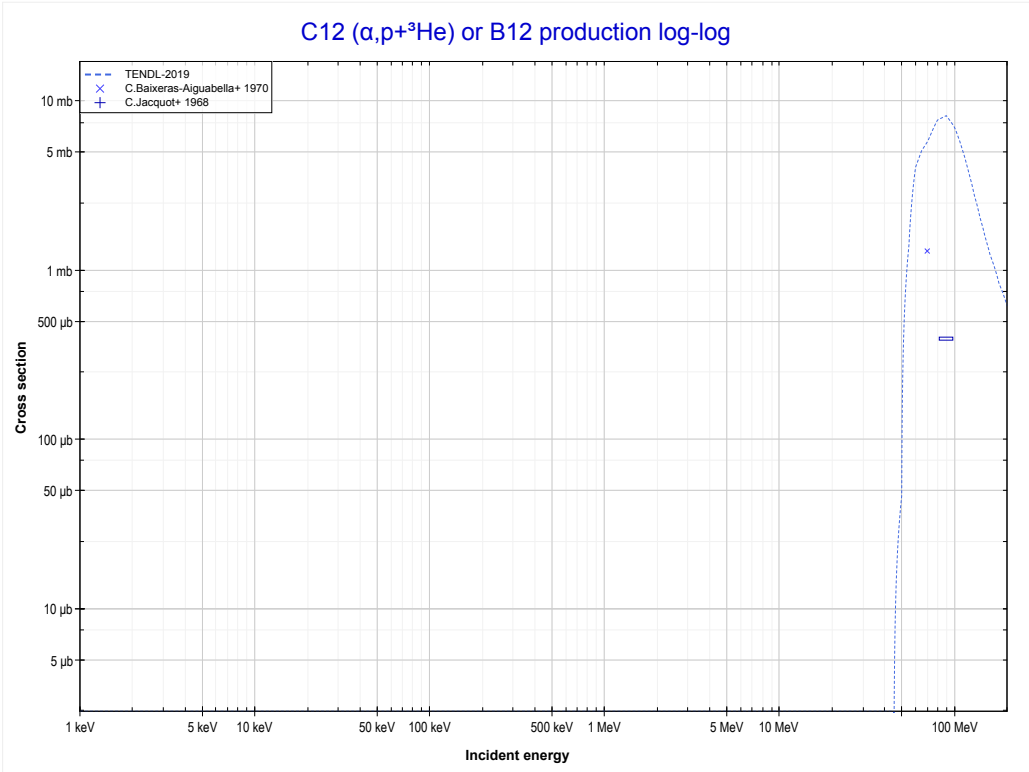
Reaction	Q-Value	Reaction	Q-Value
C12($\alpha,d+\alpha$)B10	-25186.33 keV	C12($\alpha,n+p+2d$)B10	-51257.42 keV
C12($\alpha,n+p+\alpha$)B10	-27410.90 keV	C12($\alpha,2n+2p+d$)B10	-53481.99 keV
C12($\alpha,t+\text{He3}$)B10	-39506.72 keV	C12($\alpha,3n+3p$)B10	-55706.56 keV
C12($\alpha,p+d+t$)B10	-45000.20 keV		
C12($\alpha,n+d+\text{He3}$)B10	-45763.95 keV		
C12($\alpha,n+2p+t$)B10	-47224.76 keV		
C12($\alpha,2n+p+\text{He3}$)B10	-47988.52 keV		
C12($\alpha,3d$)B10	-49032.86 keV		

	6-C-12	7-N-14 >>
<< MT187 ($\alpha,n+d+^3\text{He}$)	MT190 ($\alpha,2n+2p$) or MT5 (C12 production)	MT191 ($\alpha,p+^3\text{He}$) >>



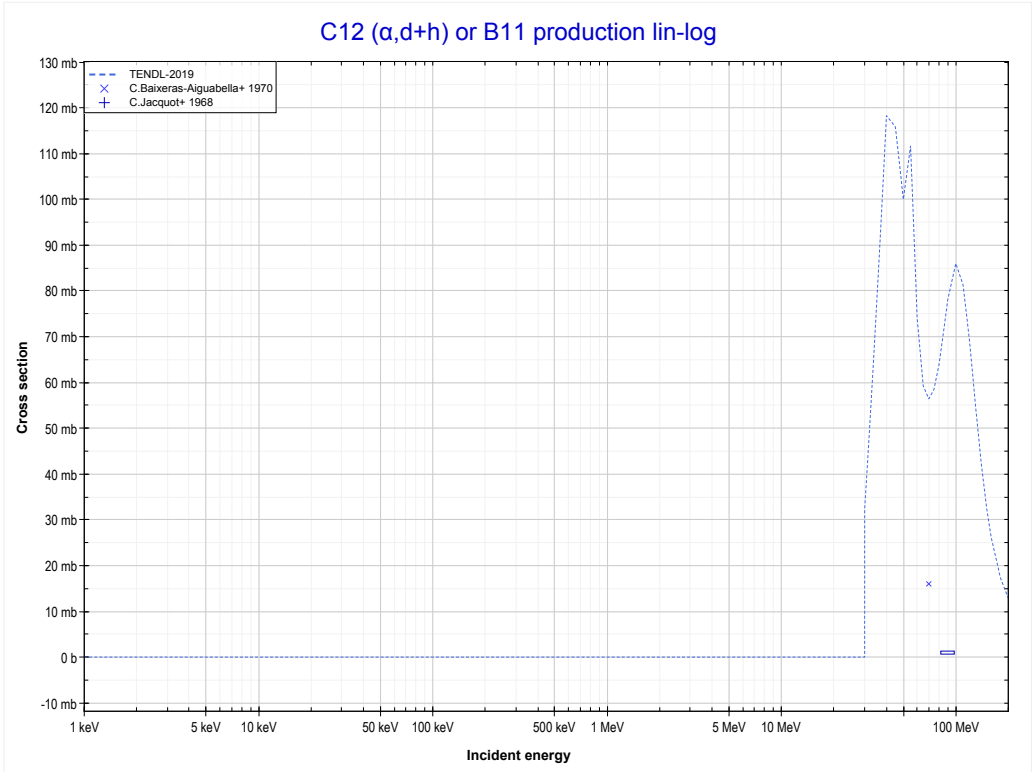
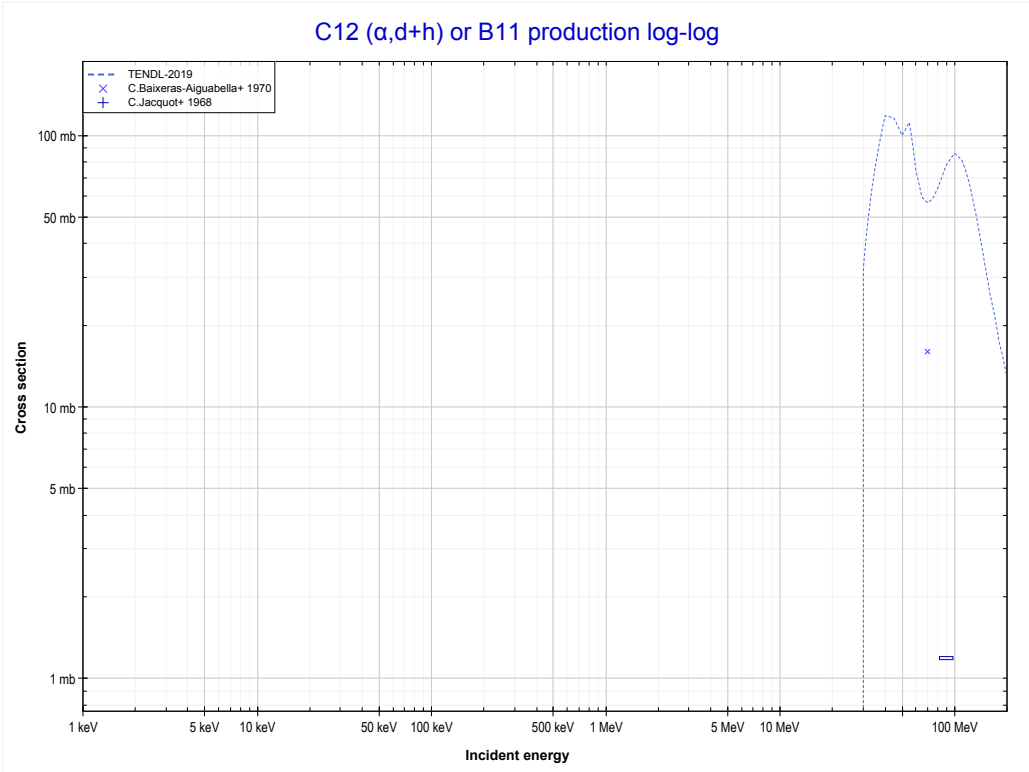
Reaction	Q-Value
C12(α,α)C12	0.00 keV
C12($\alpha,p+t$)C12	-19813.86 keV
C12($\alpha,n+^3\text{He}$)C12	-20577.62 keV
C12($\alpha,2d$)C12	-23846.53 keV
C12($\alpha,n+p+d$)C12	-26071.09 keV
C12($\alpha,2n+2p$)C12	-28295.66 keV

	6-C-12	7-N-14 >>
<< MT190 ($\alpha,2n+2p$)	MT191 ($\alpha,p+^3\text{He}$) or MT5 (B12 production)	MT192 ($\alpha,d+^3\text{He}$) >>



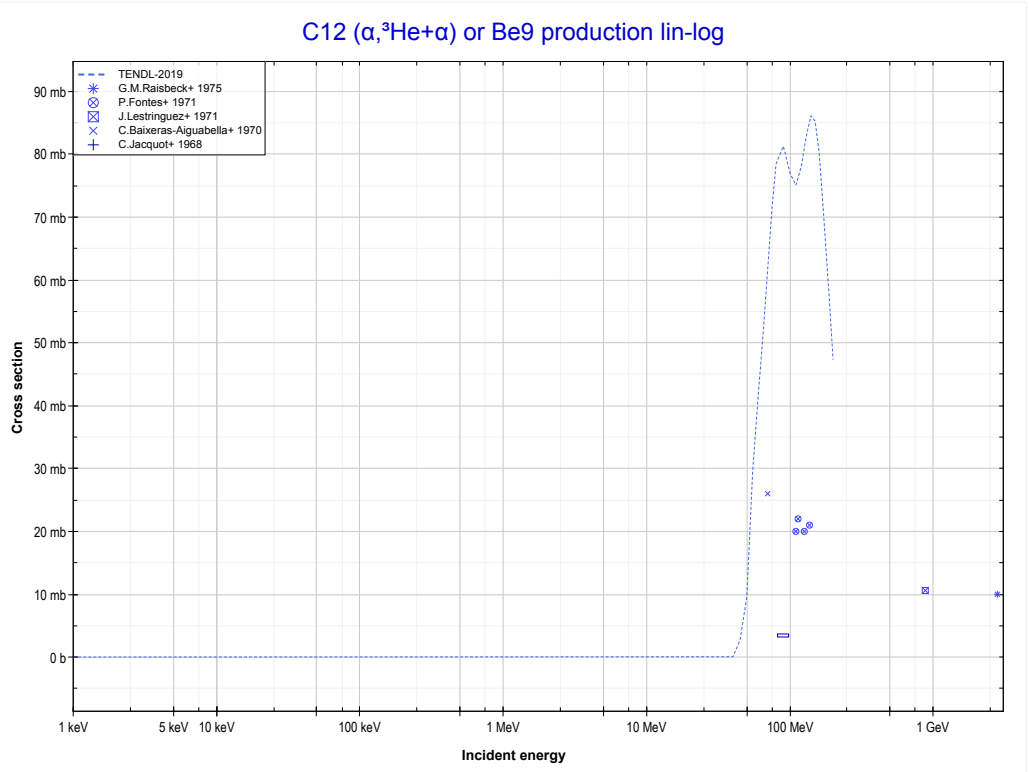
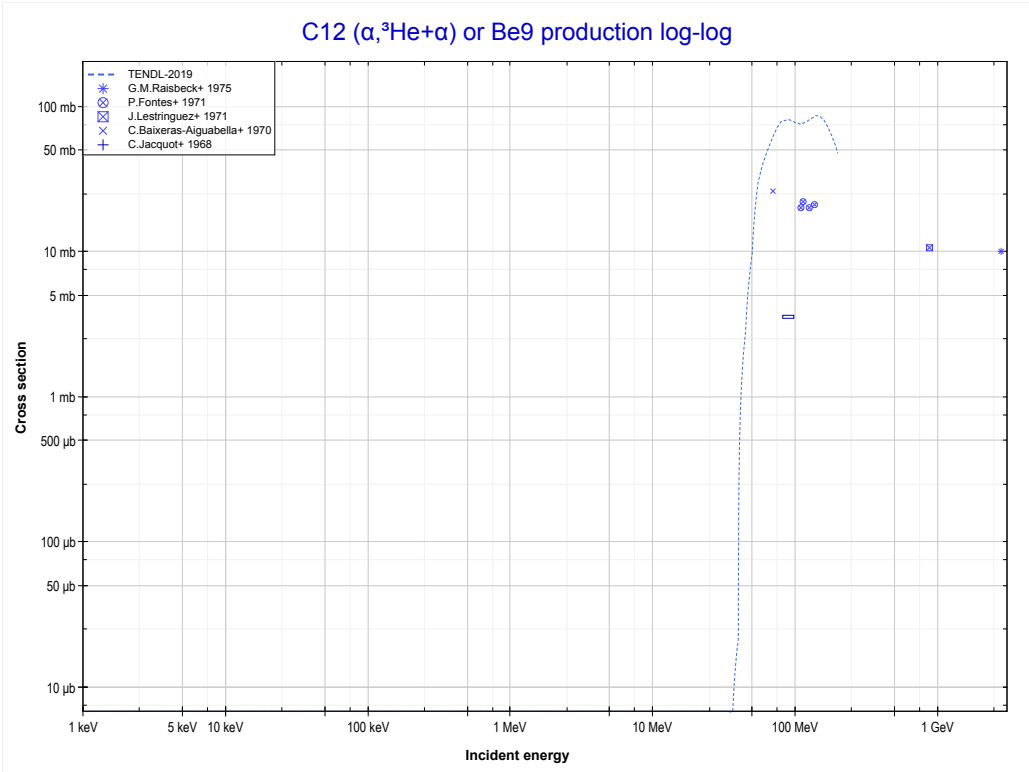
Reaction	Q-Value
C12($\alpha,p+\text{He3}$)B12	-33164.67 keV
C12($\alpha,2p+d$)B12	-38658.15 keV
C12($\alpha,n+3p$)B12	-40882.71 keV

	6-C-12	7-N-14 >>
<< MT191 (α ,p+ ^3He)	MT192 (α ,d+ ^3He) or MT5 (B11 production)	MT193 (α , ^3He + α) >>



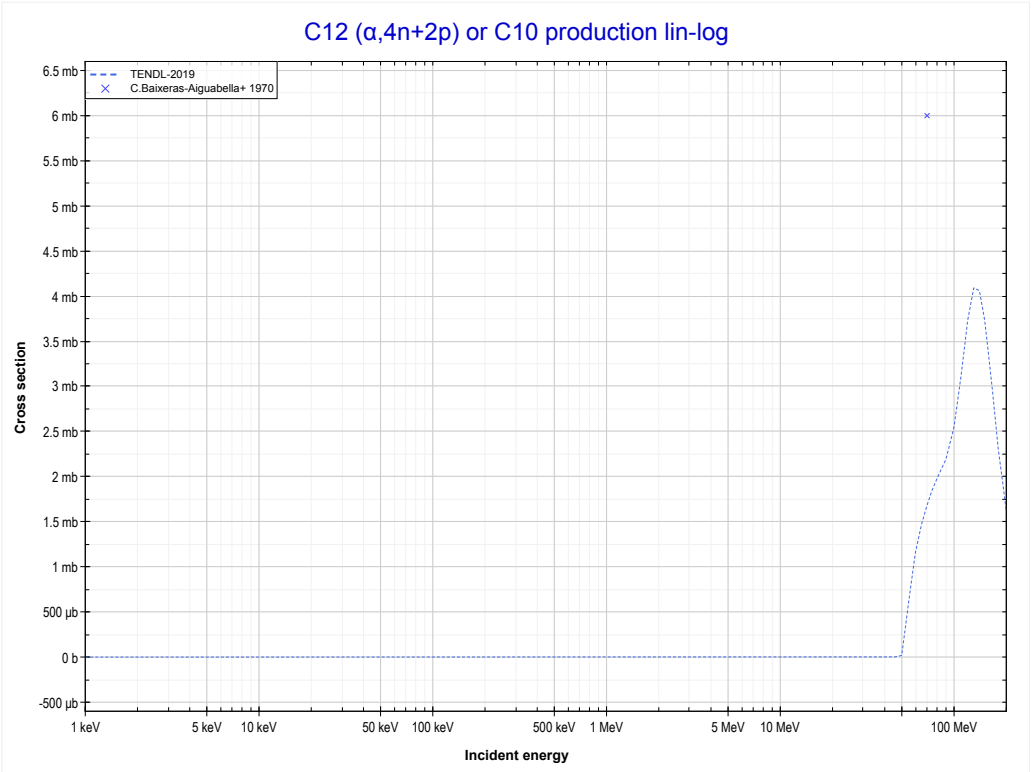
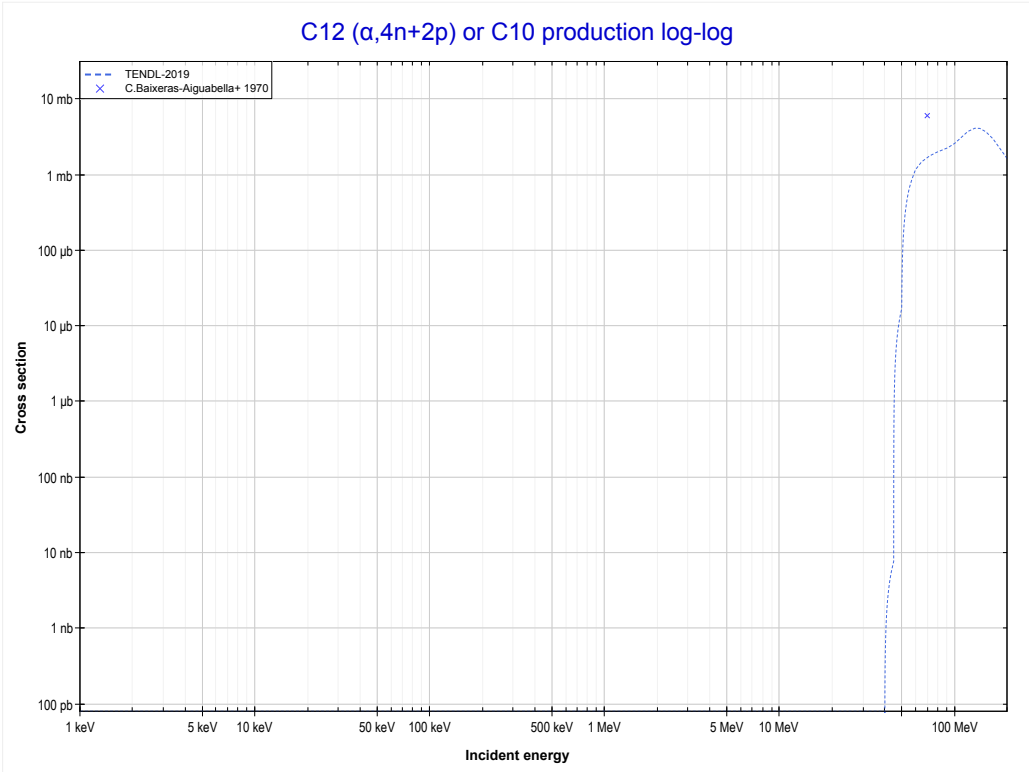
Reaction	Q-Value
C12(α ,p+ α)B11	-15956.68 keV
C12(α ,d+He3)B11	-34309.73 keV
C12(α ,2p+t)B11	-35770.54 keV
C12(α ,n+p+He3)B11	-36534.30 keV
C12(α ,p+2d)B11	-39803.21 keV
C12(α ,n+2p+d)B11	-42027.77 keV
C12(α ,2n+3p)B11	-44252.34 keV

	6-C-12	7-N-14 >>
<< MT192 (α ,d+ ^3He)	MT193 (α , ^3He + α) or MT5 (Be9 production)	MT194 (α ,4n+2p) >>



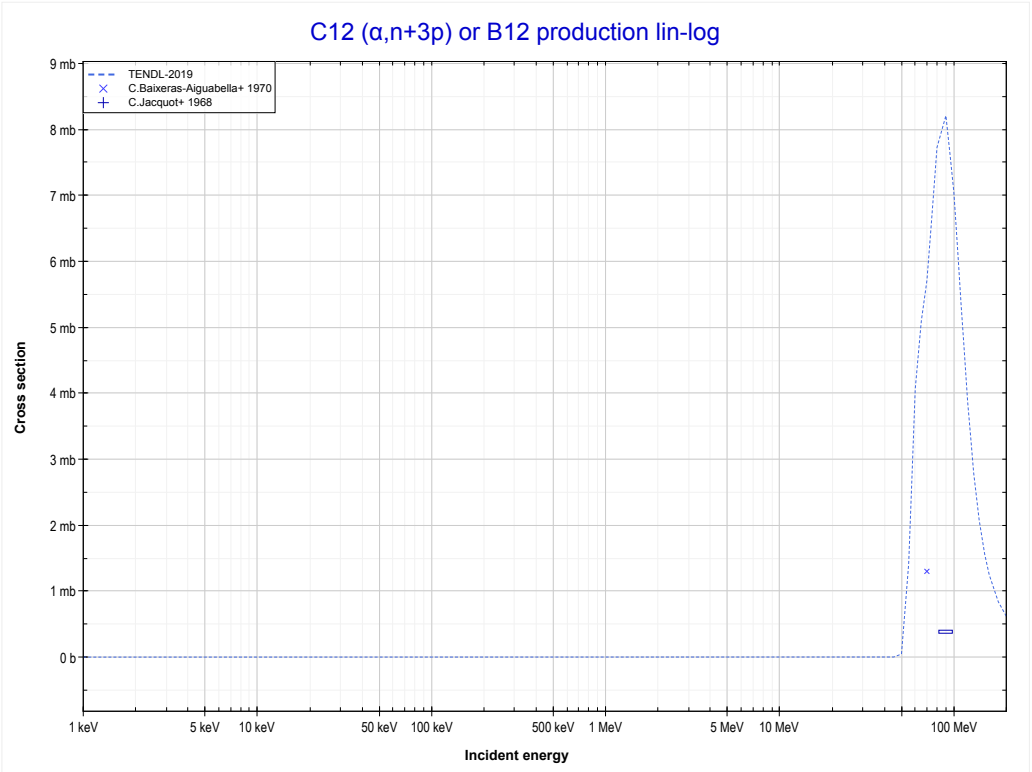
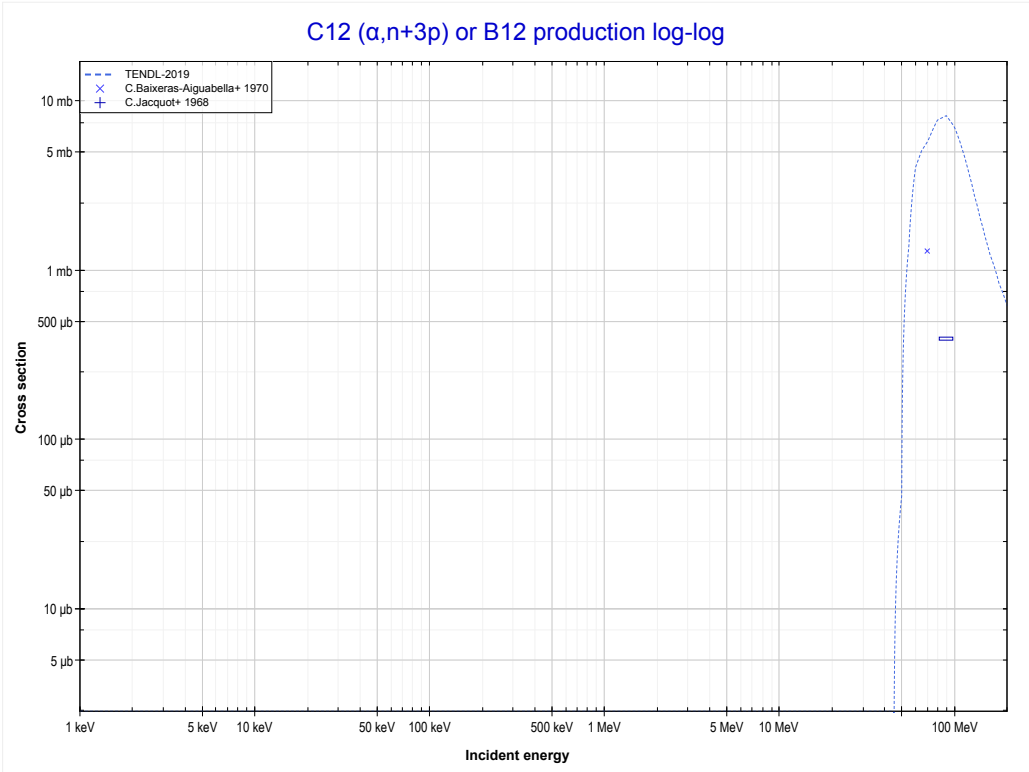
Reaction	Q-Value	Reaction	Q-Value
C12(α ,He3+ α)Be9	-26279.67 keV	C12(α ,n+3p+t)Be9	-53811.57 keV
C12(α ,p+d+ α)Be9	-31773.14 keV	C12(α ,2n+2p+He3)Be9	-54575.33 keV
C12(α ,n+2p+ α)Be9	-33997.71 keV	C12(α ,p+3d)Be9	-55619.67 keV
C12(α ,p+t+He3)Be9	-46093.53 keV	C12(α ,n+2p+2d)Be9	-57844.24 keV
C12(α ,n+2He3)Be9	-46857.29 keV	C12(α ,2n+3p+d)Be9	-60068.80 keV
C12(α ,2d+He3)Be9	-50126.20 keV	C12(α ,3n+4p)Be9	-62293.37 keV
C12(α ,2p+d+t)Be9	-51587.01 keV		
C12(α ,n+p+d+He3)Be9	-52350.76 keV		

<< 4-Be-9	6-C-12	7-N-14 >>
<< MT193 (α , $^3\text{He}+\alpha$)	MT194 (α ,4n+2p) or MT5 (C10 production)	MT198 (α ,n+3p) >>



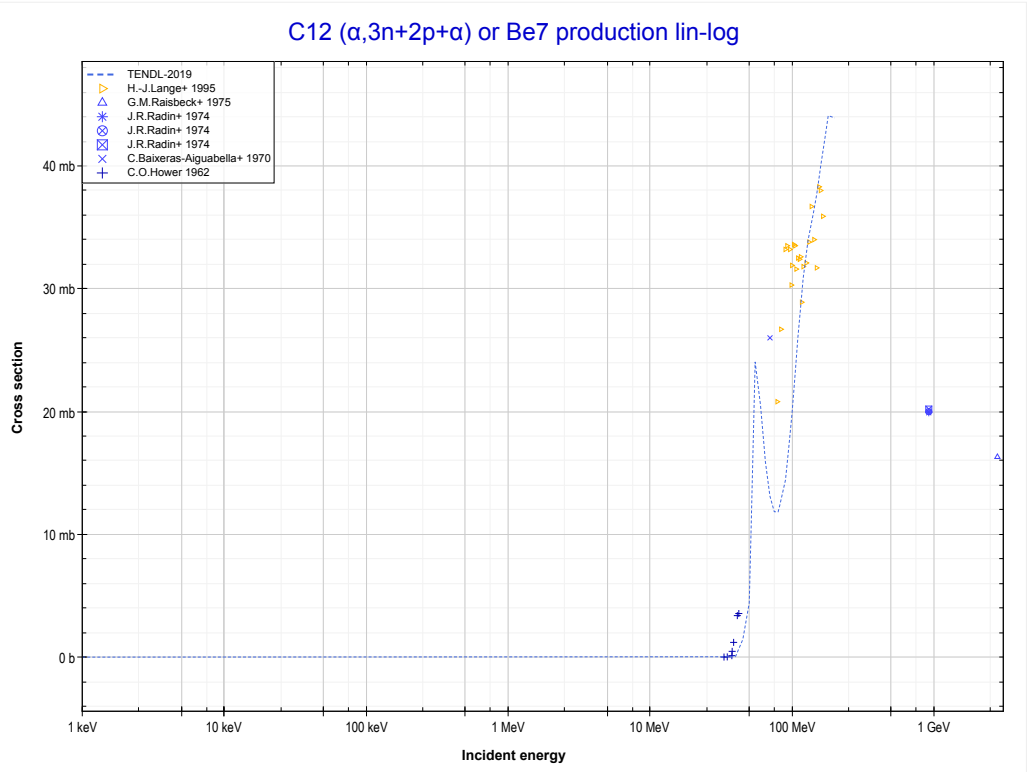
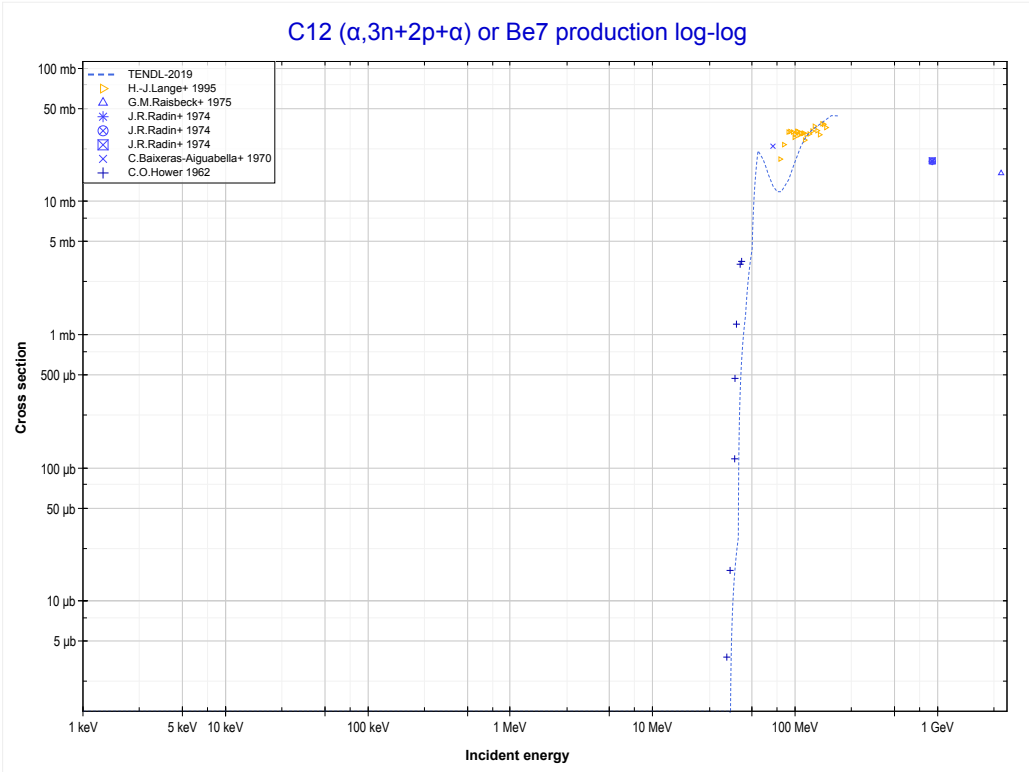
Reaction	Q-Value
C12(α ,2n+ α)C10	-31841.30 keV
C12(α ,2t)C10	-43173.37 keV
C12(α ,n+d+t)C10	-49430.60 keV
C12(α ,2n+p+t)C10	-51655.17 keV
C12(α ,3n+He3)C10	-52418.92 keV
C12(α ,2n+2d)C10	-55687.83 keV
C12(α ,3n+p+d)C10	-57912.40 keV
C12(α ,4n+2p)C10	-60136.96 keV

	6-C-12	7-N-14 >>
<< MT194 ($\alpha,4n+2p$)	MT198 ($\alpha,n+3p$) or MT5 (B12 production)	MT199 ($\alpha,3n+2p+\alpha$) >>



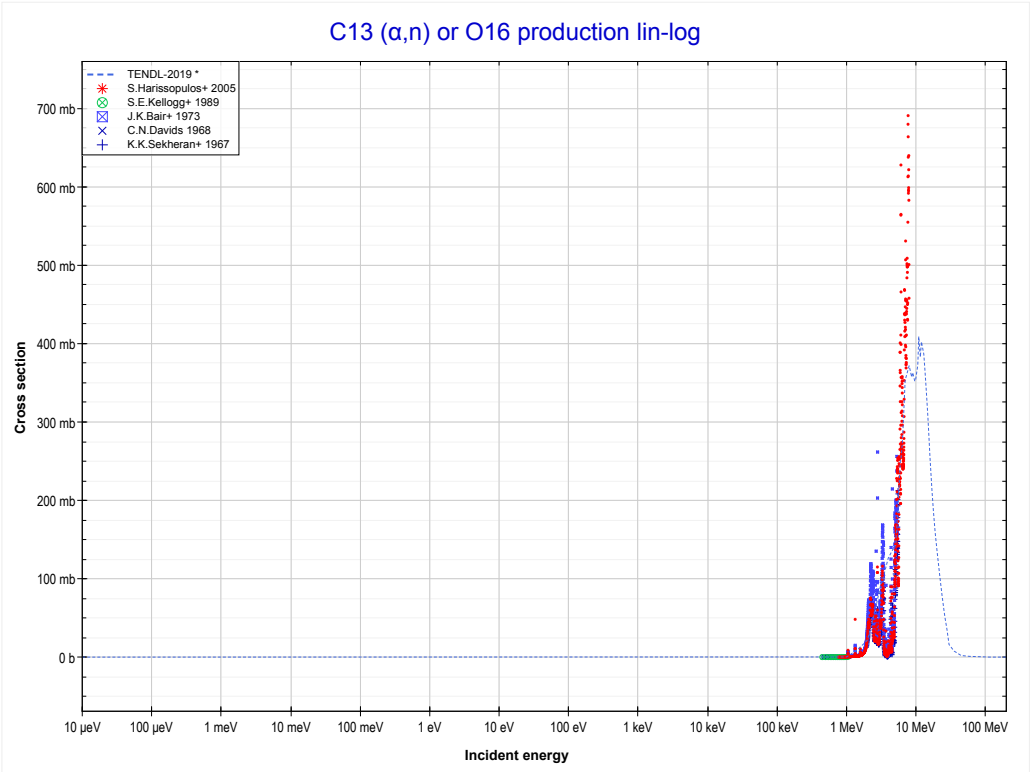
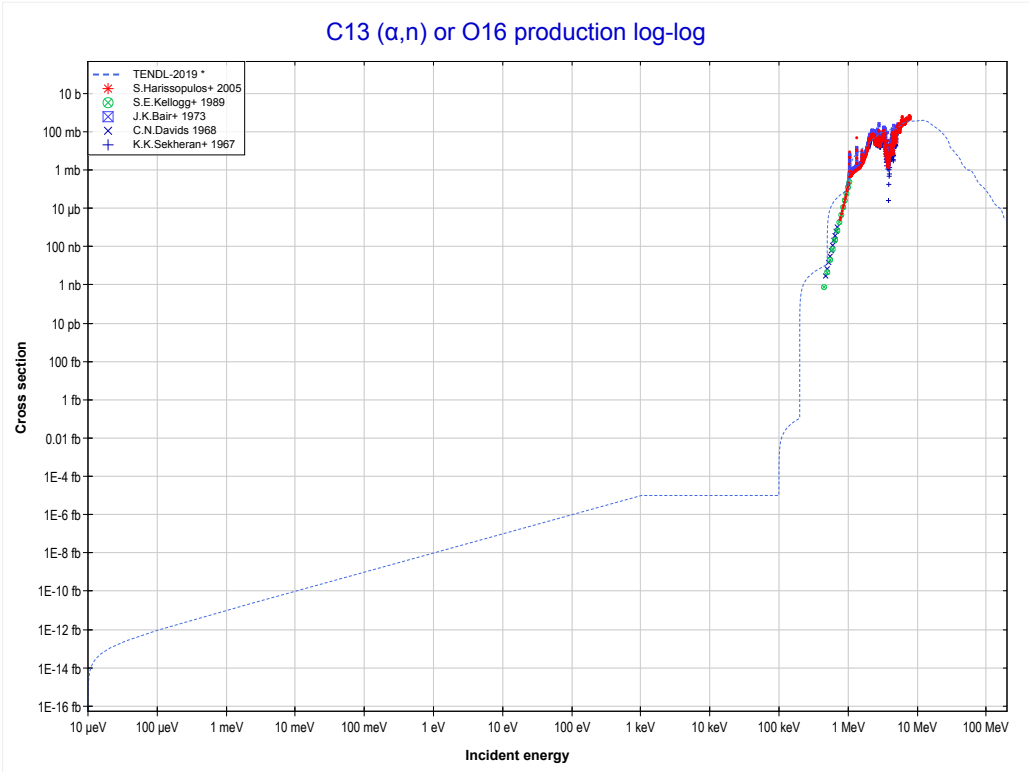
Reaction	Q-Value
C12(α,p +He3)B12	-33164.67 keV
C12($\alpha,2p$ +d)B12	-38658.15 keV
C12($\alpha,n+3p$)B12	-40882.71 keV

	6-C-12	8-O-16 >>
<< MT198 ($\alpha,n+3p$)	MT199 ($\alpha,3n+2p+\alpha$) or MT5 (Be7 production)	6-C-13 MT4 (α,n) >>



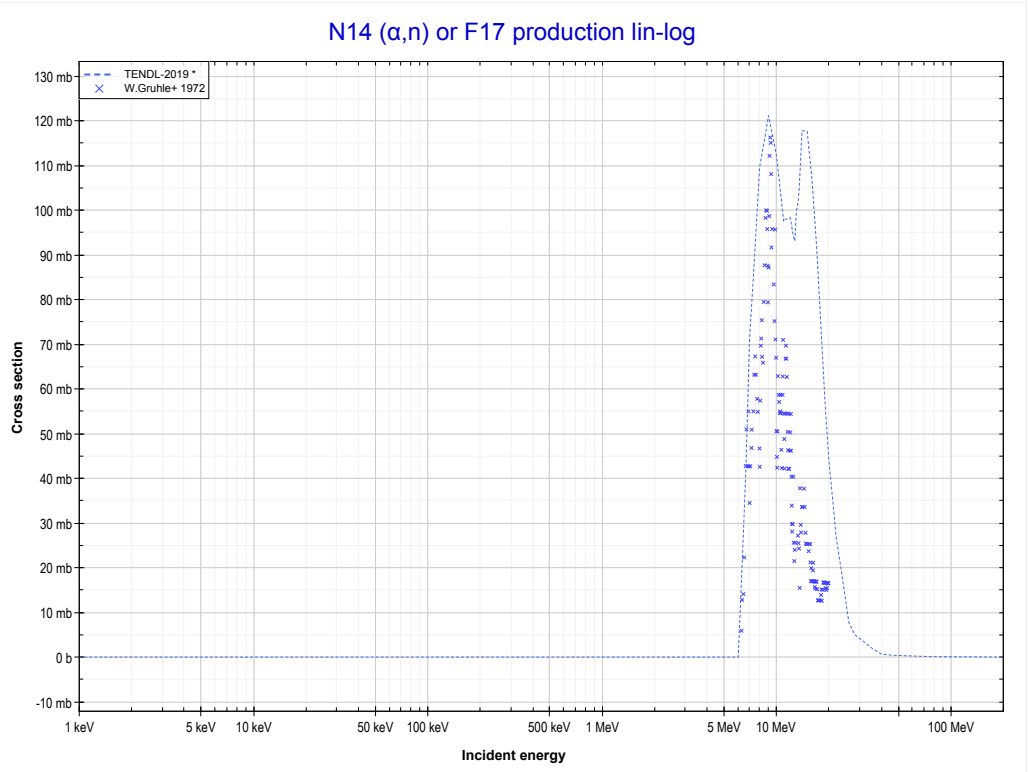
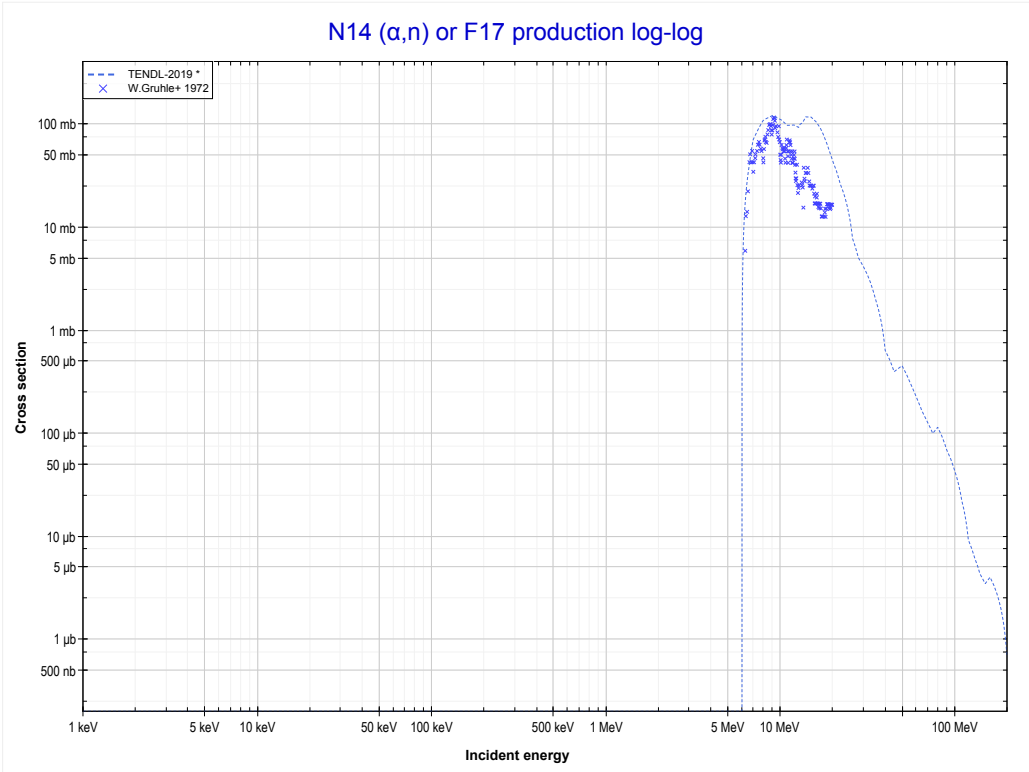
Reaction	Q-Value	Reaction	Q-Value
C12($\alpha,n+2\alpha$)Be7	-26265.23 keV	C12($\alpha,p+d+2t$)Be7	-63668.40 keV
C12($\alpha,d+t+\alpha$)Be7	-43854.53 keV	C12($\alpha,n+d+t+He3$)Be7	-64432.15 keV
C12($\alpha,n+p+t+\alpha$)Be7	-46079.10 keV	C12($\alpha,n+2p+2t$)Be7	-65892.96 keV
C12($\alpha,2n+He3+\alpha$)Be7	-46842.85 keV	C12($\alpha,2n+p+t+He3$)Be7	-66656.72 keV
C12($\alpha,n+2d+\alpha$)Be7	-50111.76 keV	C12($\alpha,3n+2He3$)Be7	-67420.47 keV
C12($\alpha,2n+p+d+\alpha$)Be7	-52336.33 keV	C12($\alpha,3d+t$)Be7	-67701.06 keV
C12($\alpha,3n+2p+\alpha$)Be7	-54560.89 keV	C12($\alpha,n+p+2d+t$)Be7	-69925.63 keV
C12($\alpha,2t+He3$)Be7	-58174.92 keV	C12($\alpha,2n+2d+He3$)Be7	-70689.38 keV

<< 6-C-12	6-C-13	7-N-14 >>
<< 6-C-12 MT199 ($\alpha,3n+2p+\alpha$)	MT4 (α,n) or MT5 (O16 production)	7-N-14 MT4 (α,n) >>



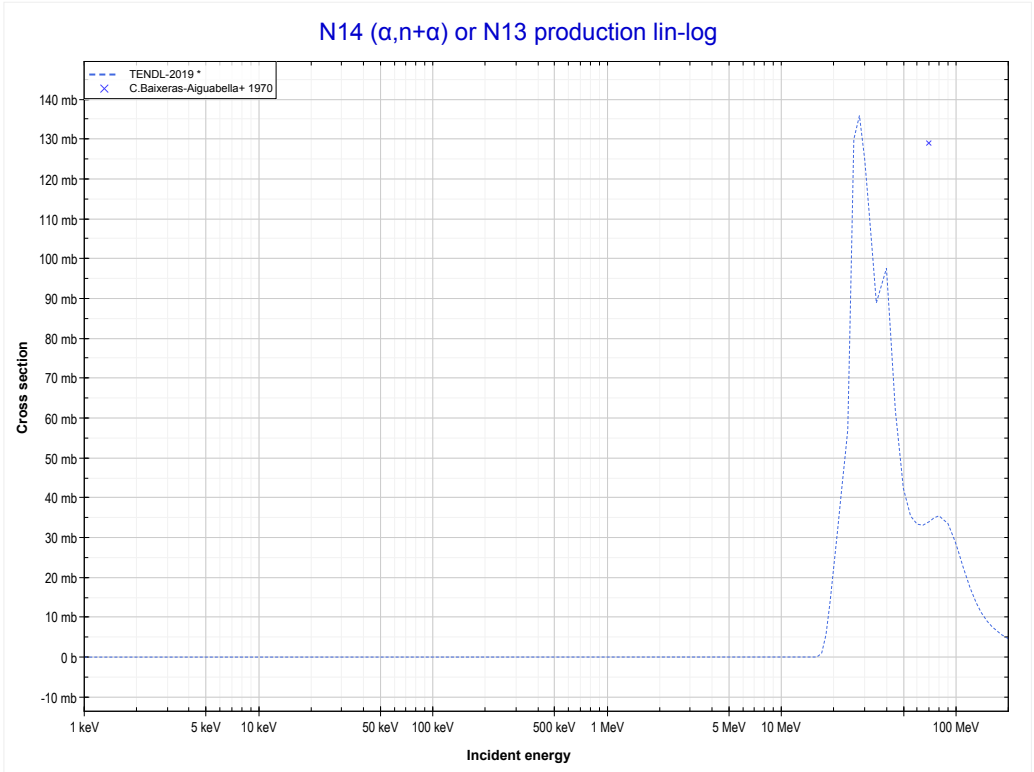
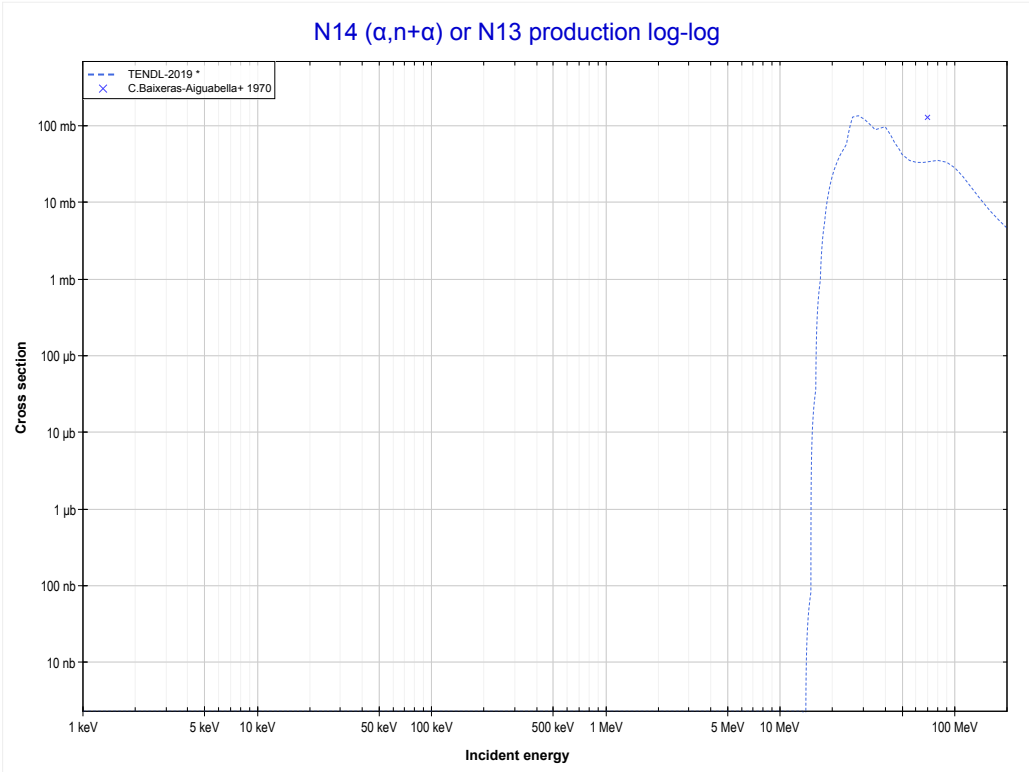
Reaction	Q-Value
C13(α,n)O16	2215.61 keV

<< 6-C-13	7-N-14	8-O-16 >>
<< 6-C-13 MT4 (α,n)	MT4 (α,n) or MT5 (F17 production)	MT22 (α,n+α) >>



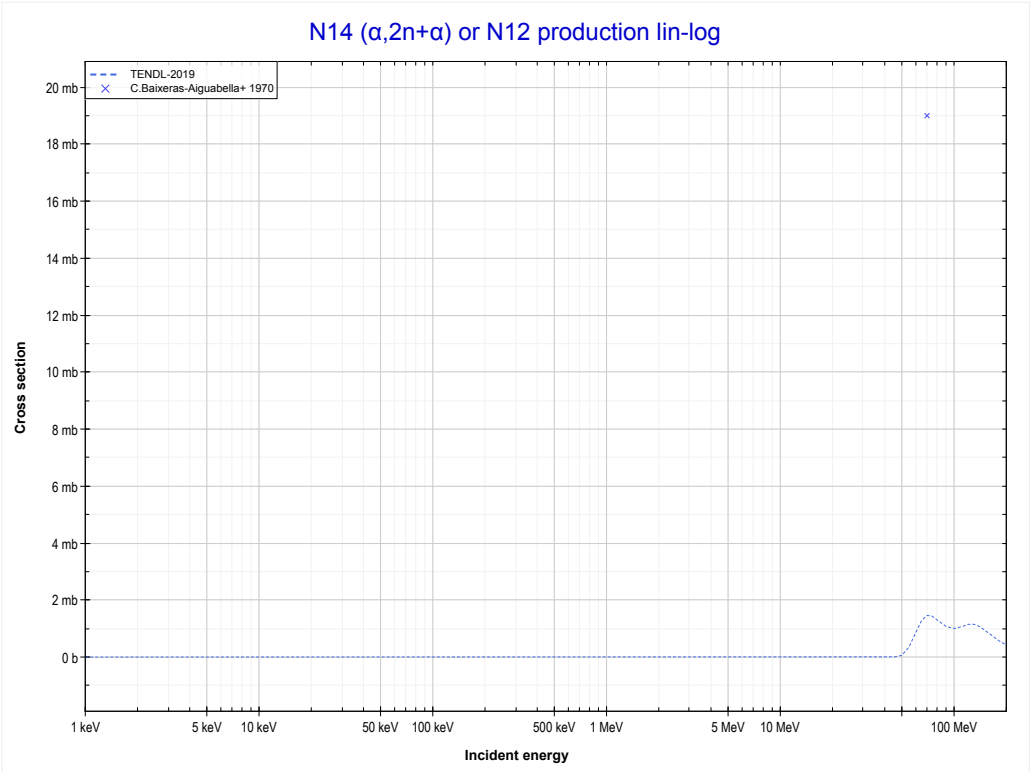
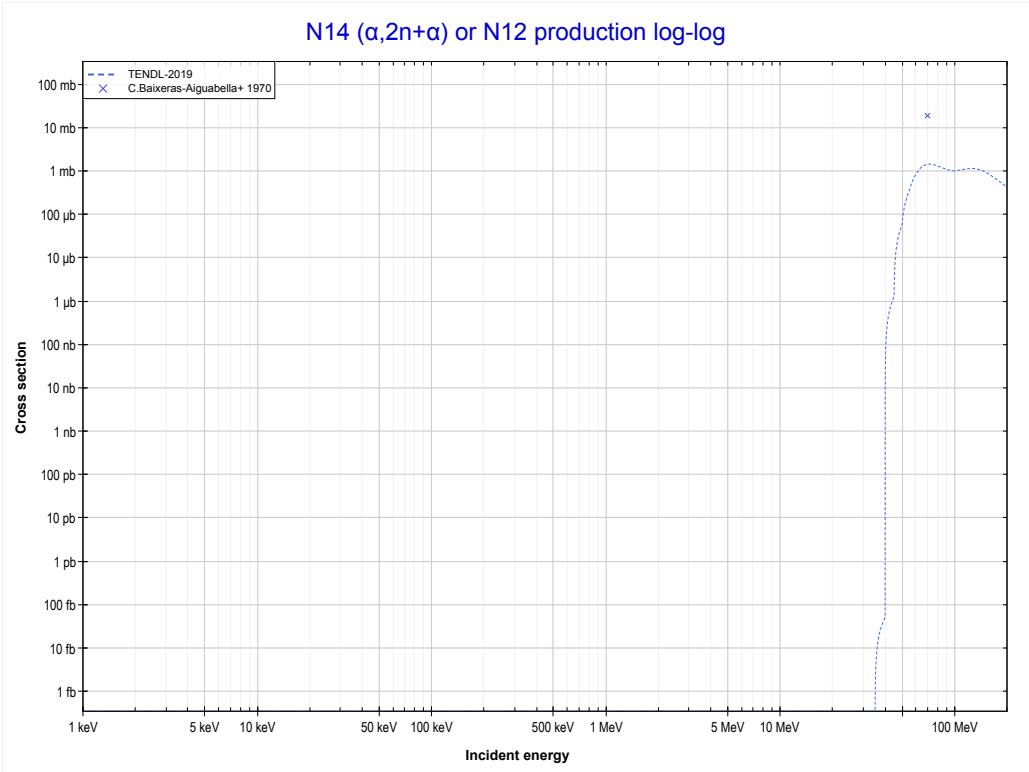
Reaction	Q-Value
N14(α,n)F17	-4734.68 keV

<< 6-C-12	7-N-14	8-O-16 >>
<< MT4 (α,n)	MT22 (α,n+α) or MT5 (N13 production)	MT24 (α,2n+α) >>



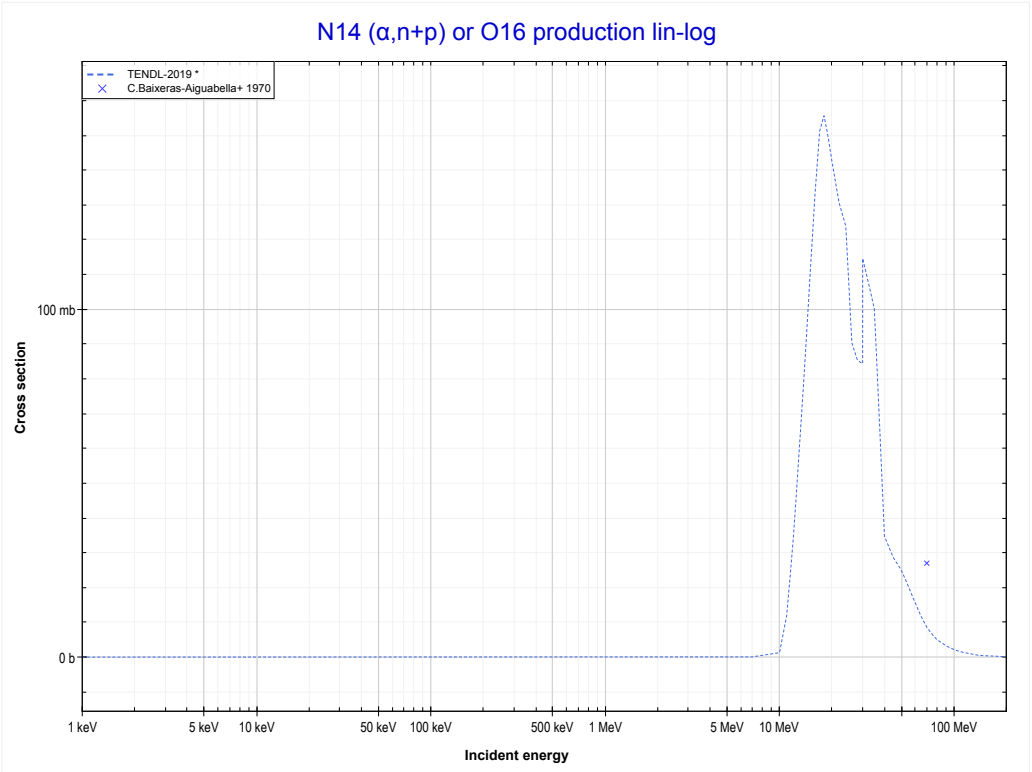
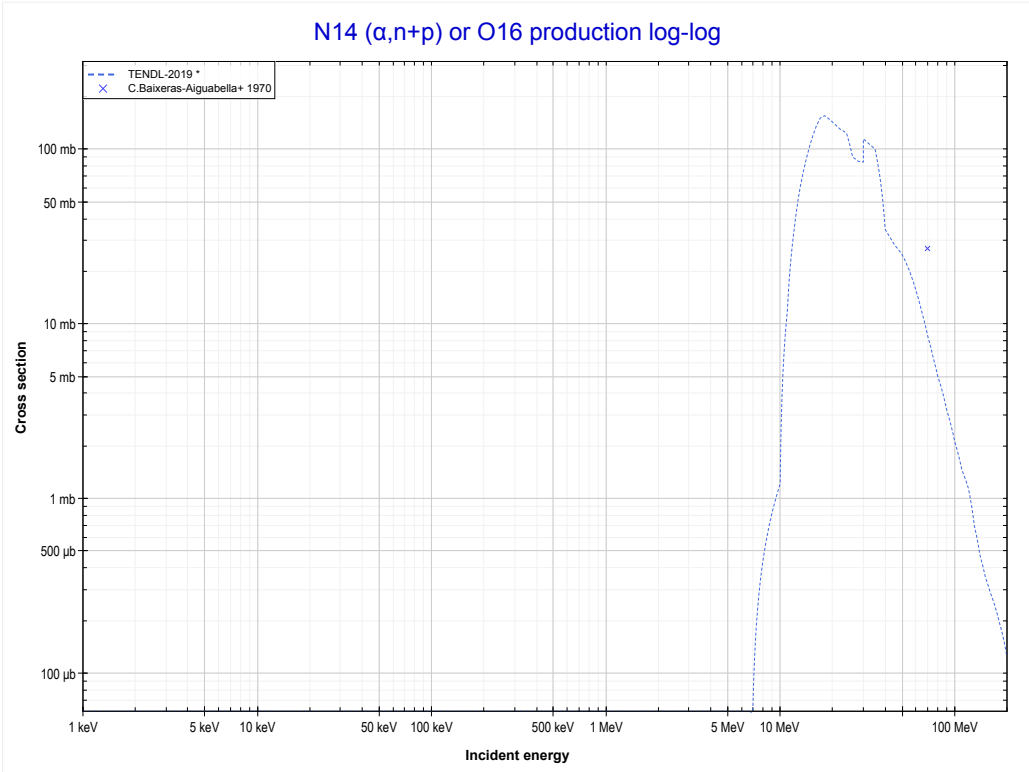
Reaction	Q-Value
N14(α,n+α)N13	-10553.38 keV
N14(α,d+t)N13	-28142.68 keV
N14(α,n+p+t)N13	-30367.25 keV
N14(α,2n+He3)N13	-31131.00 keV
N14(α,n+2d)N13	-34399.91 keV
N14(α,2n+p+d)N13	-36624.47 keV
N14(α,3n+2p)N13	-38849.04 keV

<< 6-C-12	7-N-14	21-Sc-45 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (N12 production)	MT28 ($\alpha,n+p$) >>



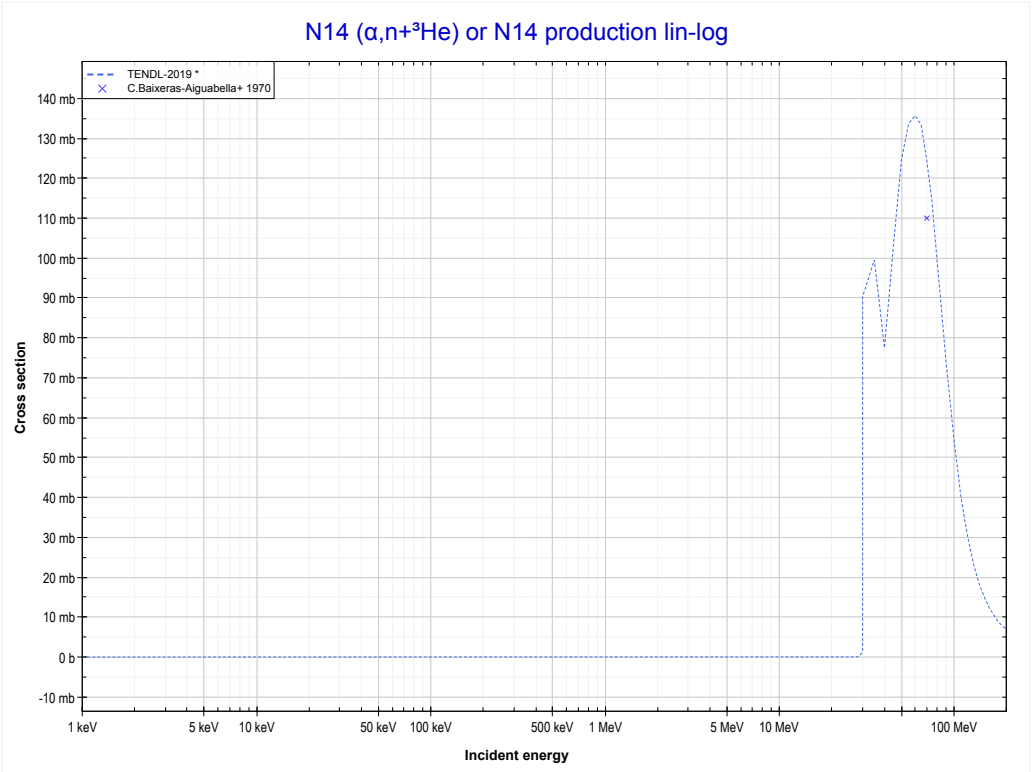
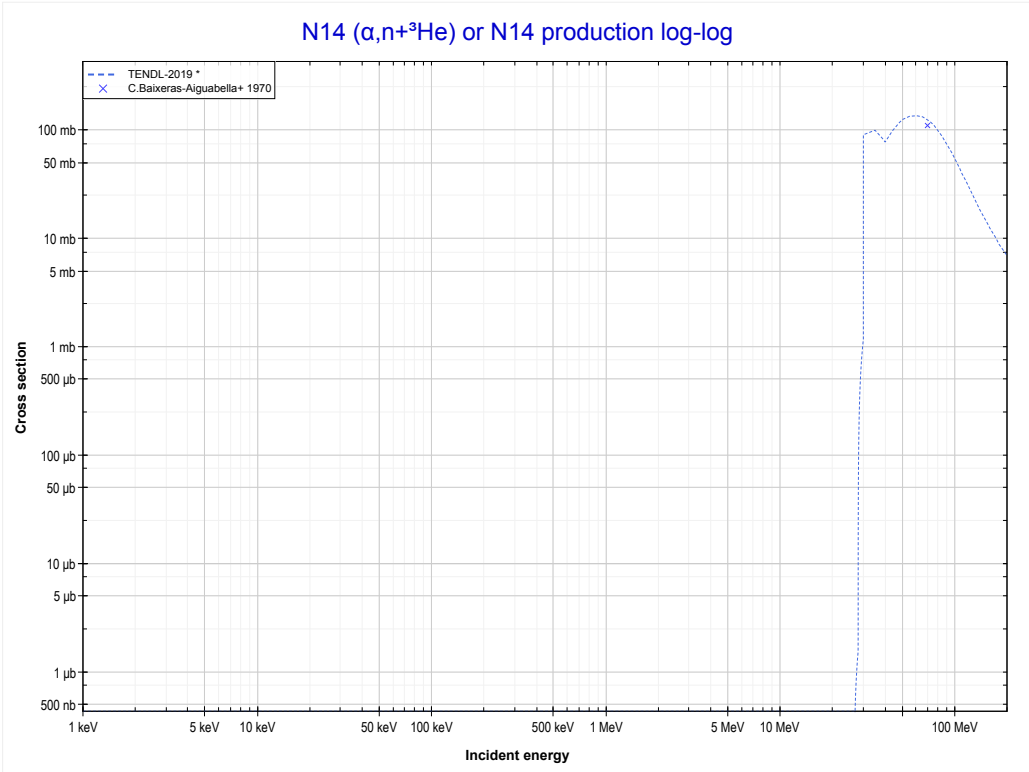
Reaction	Q-Value
N14($\alpha,2n+\alpha$)N12	-30617.32 keV
N14($\alpha,2t$)N12	-41949.39 keV
N14($\alpha,n+d+t$)N12	-48206.62 keV
N14($\alpha,2n+p+t$)N12	-50431.18 keV
N14($\alpha,3n+He3$)N12	-51194.94 keV
N14($\alpha,2n+2d$)N12	-54463.85 keV
N14($\alpha,3n+p+d$)N12	-56688.41 keV
N14($\alpha,4n+2p$)N12	-58912.98 keV

<< 6-C-12	7-N-14	8-O-16 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (O16 production)	MT34 ($\alpha,n+^3\text{He}$) >>



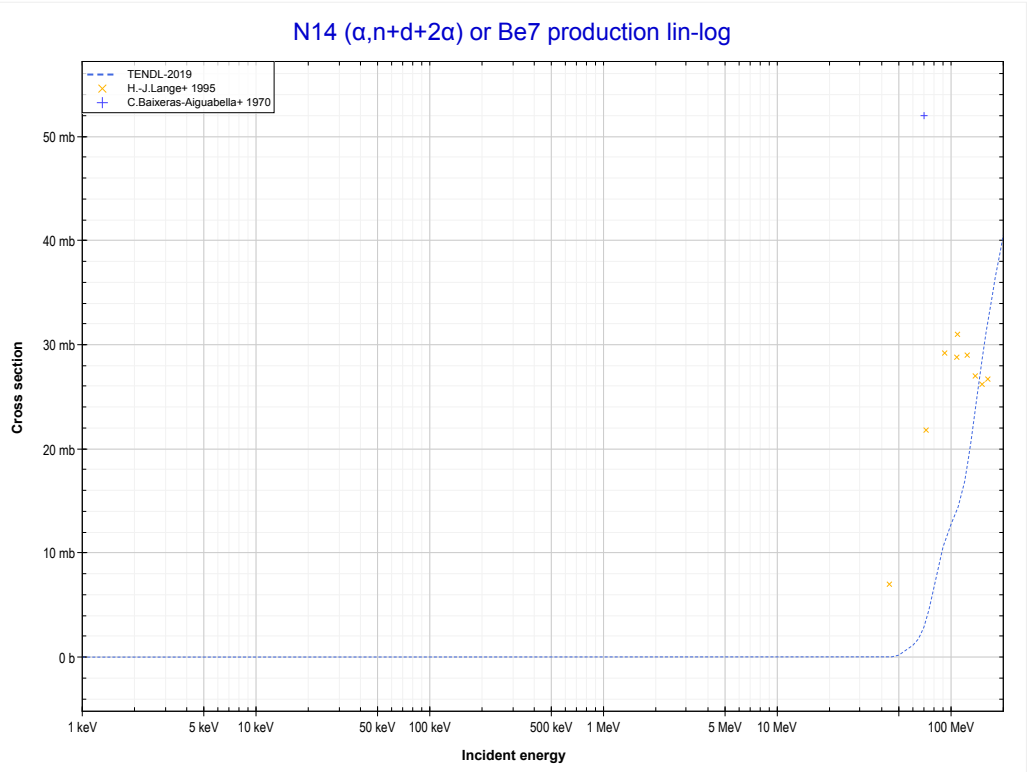
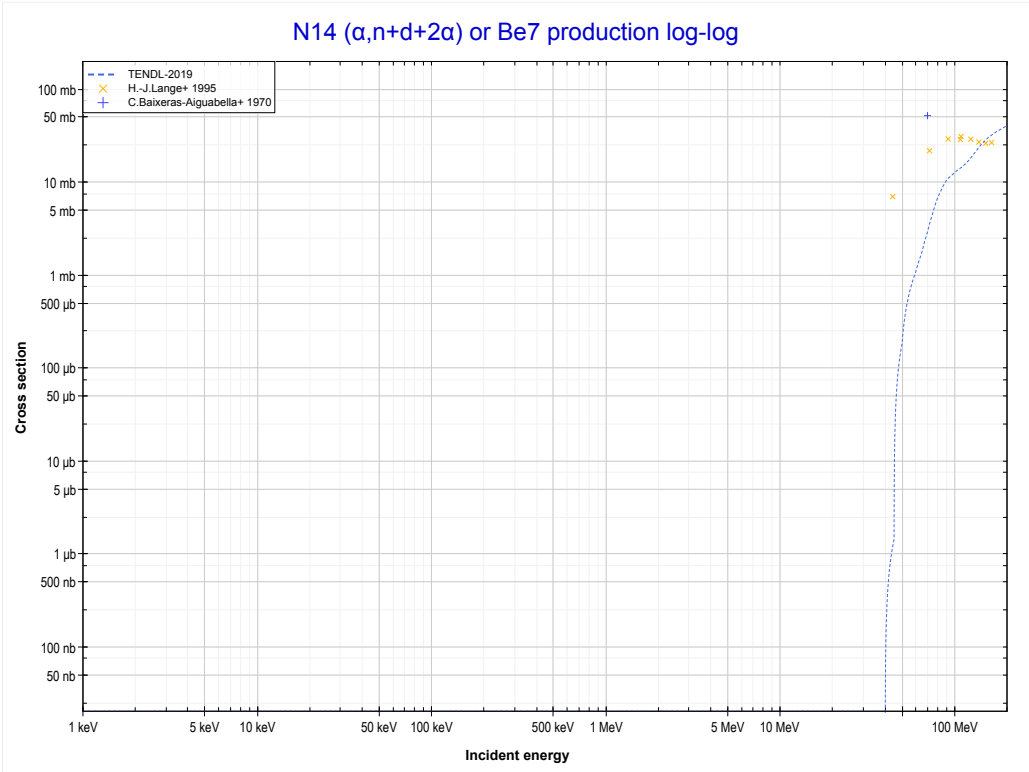
Reaction	Q-Value
N14(α,d)O16	-3110.39 keV
N14($\alpha,n+p$)O16	-5334.95 keV

<< 6-C-12	7-N-14	
<< MT28 ($\alpha,n+p$)	MT34 ($\alpha,n+^3\text{He}$) or MT5 (N14 production)	MT35 ($\alpha,n+d+2\alpha$) >>



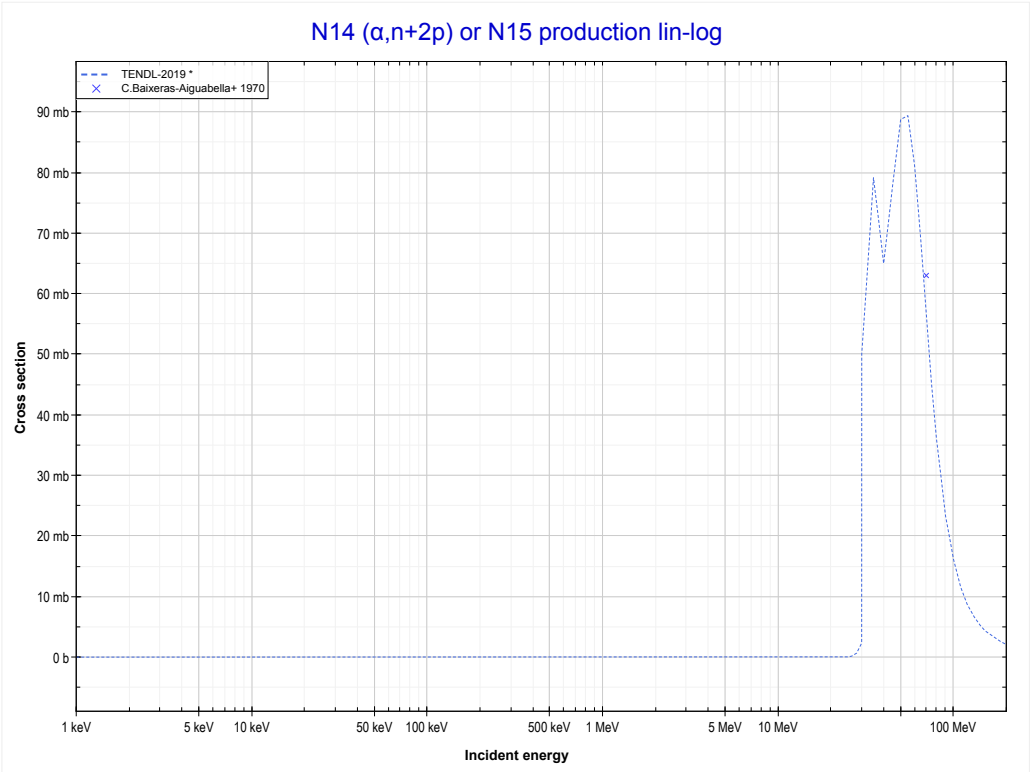
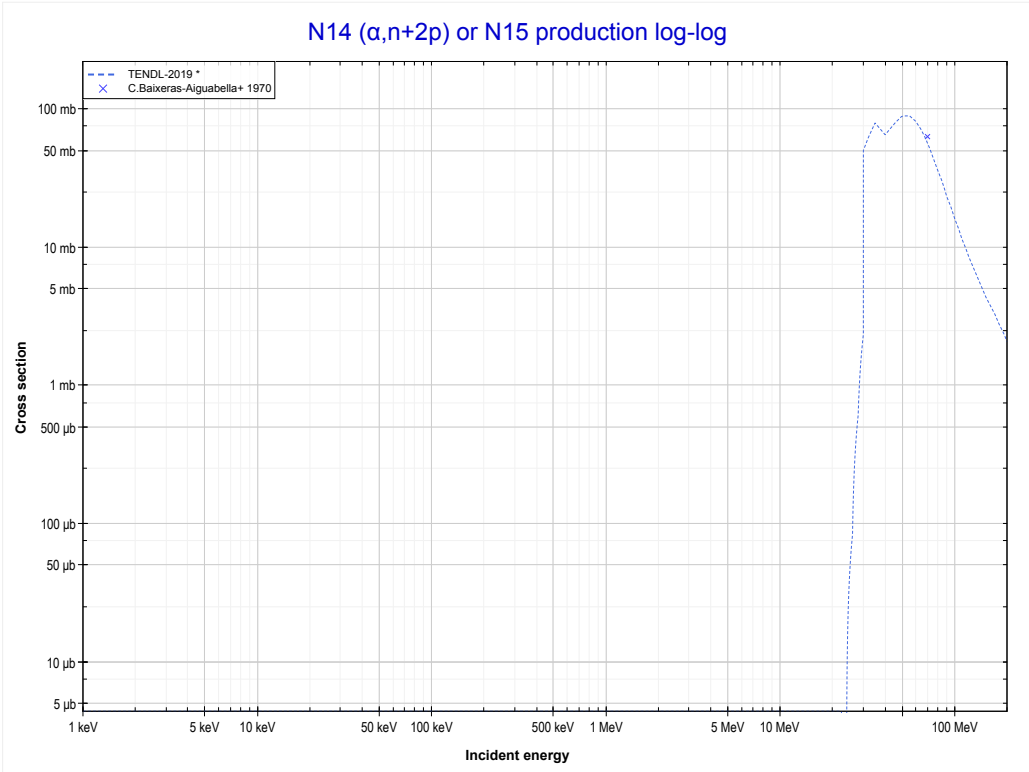
Reaction	Q-Value
N14(α,α)N14	0.00 keV
N14($\alpha,p+t$)N14	-19813.86 keV
N14($\alpha,n+^3\text{He}$)N14	-20577.62 keV
N14($\alpha,2d$)N14	-23846.53 keV
N14($\alpha,n+p+d$)N14	-26071.09 keV
N14($\alpha,2n+2p$)N14	-28295.66 keV

	7-N-14	
<< MT34 ($\alpha,n+^3\text{He}$)	MT35 ($\alpha,n+d+2\alpha$) or MT5 (Be7 production)	MT44 ($\alpha,n+2p$) >>



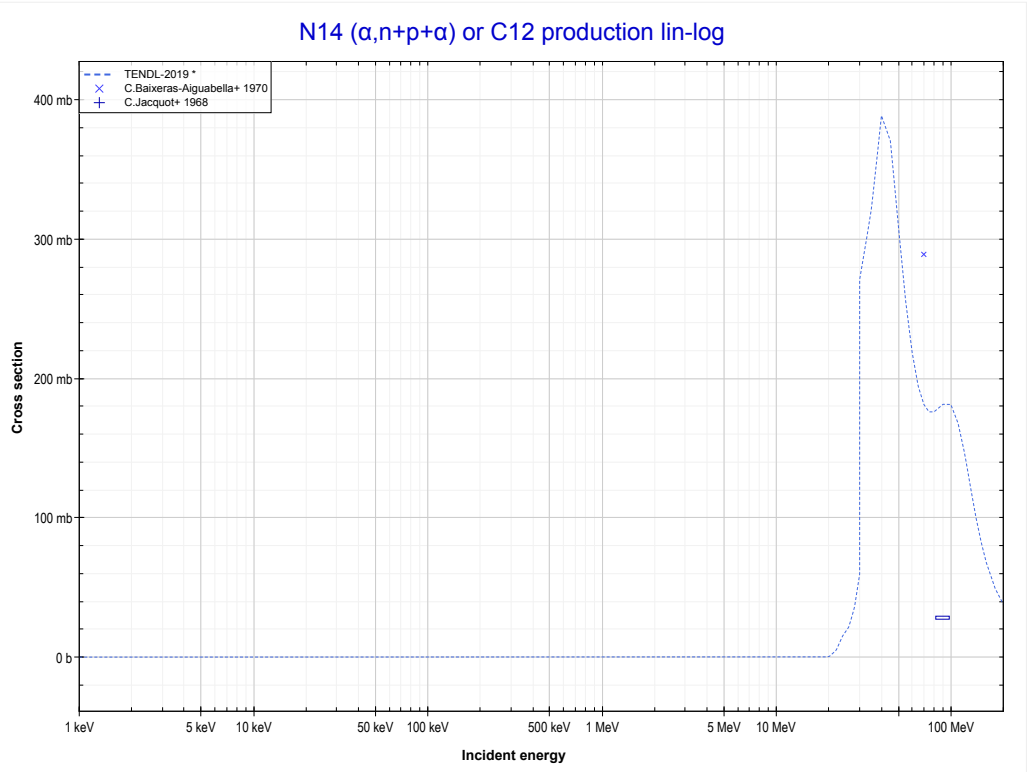
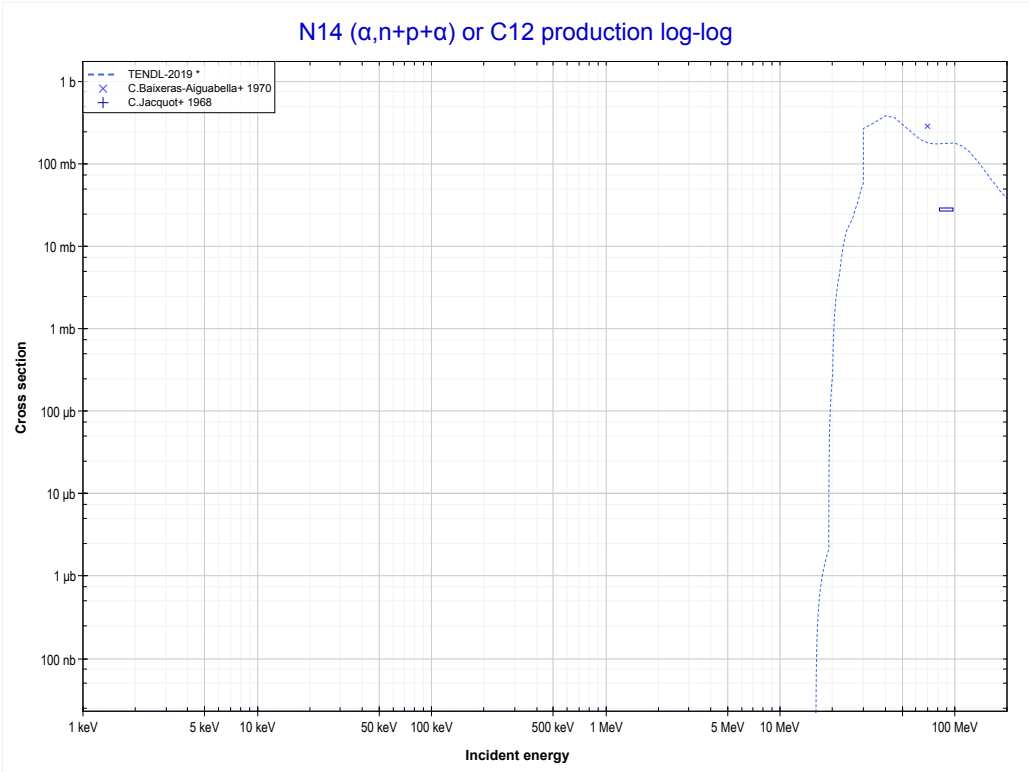
Reaction	Q-Value	Reaction	Q-Value
N14($\alpha,t+2\alpha$)Be7	-30280.31 keV	N14($\alpha,2n+2p+t+\alpha$)Be7	-58575.97 keV
N14($\alpha,n+d+2\alpha$)Be7	-36537.54 keV	N14($\alpha,3n+p+\text{He3}+\alpha$)Be7	-59339.72 keV
N14($\alpha,2n+p+2\alpha$)Be7	-38762.10 keV	N14($\alpha,n+3d+\alpha$)Be7	-60384.07 keV
N14($\alpha,p+2t+\alpha$)Be7	-50094.17 keV	N14($\alpha,2n+p+2d+\alpha$)Be7	-62608.63 keV
N14($\alpha,n+t+\text{He3}+\alpha$)Be7	-50857.93 keV	N14($\alpha,3n+2p+d+\alpha$)Be7	-64833.20 keV
N14($\alpha,2d+t+\alpha$)Be7	-54126.84 keV	N14($\alpha,4n+3p+\alpha$)Be7	-67057.76 keV
N14($\alpha,n+p+d+t+\alpha$)Be7	-56351.40 keV	N14($\alpha,d+2t+\text{He3}$)Be7	-68447.23 keV
N14($\alpha,2n+d+\text{He3}+\alpha$)Be7	-57115.16 keV	N14($\alpha,2p+3t$)Be7	-69908.04 keV

<< 6-C-12	7-N-14	13-Al-27 >>
<< MT35 ($\alpha,n+d+2\alpha$)	MT44 ($\alpha,n+2p$) or MT5 (N15 production)	MT45 ($\alpha,n+p+\alpha$) >>



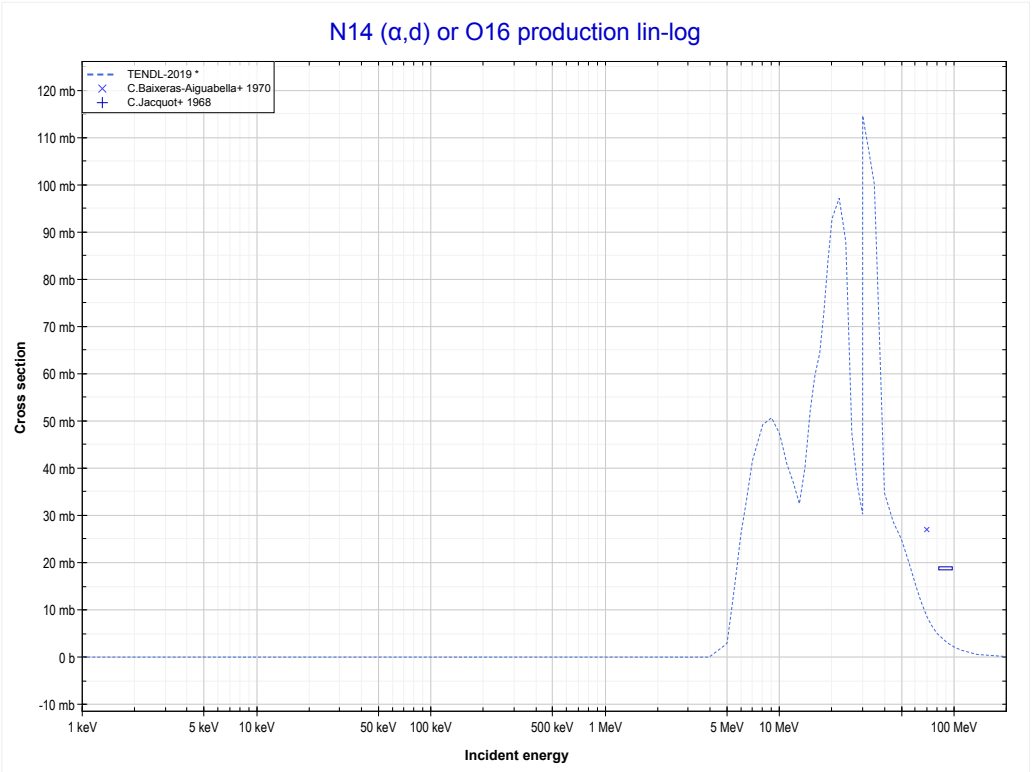
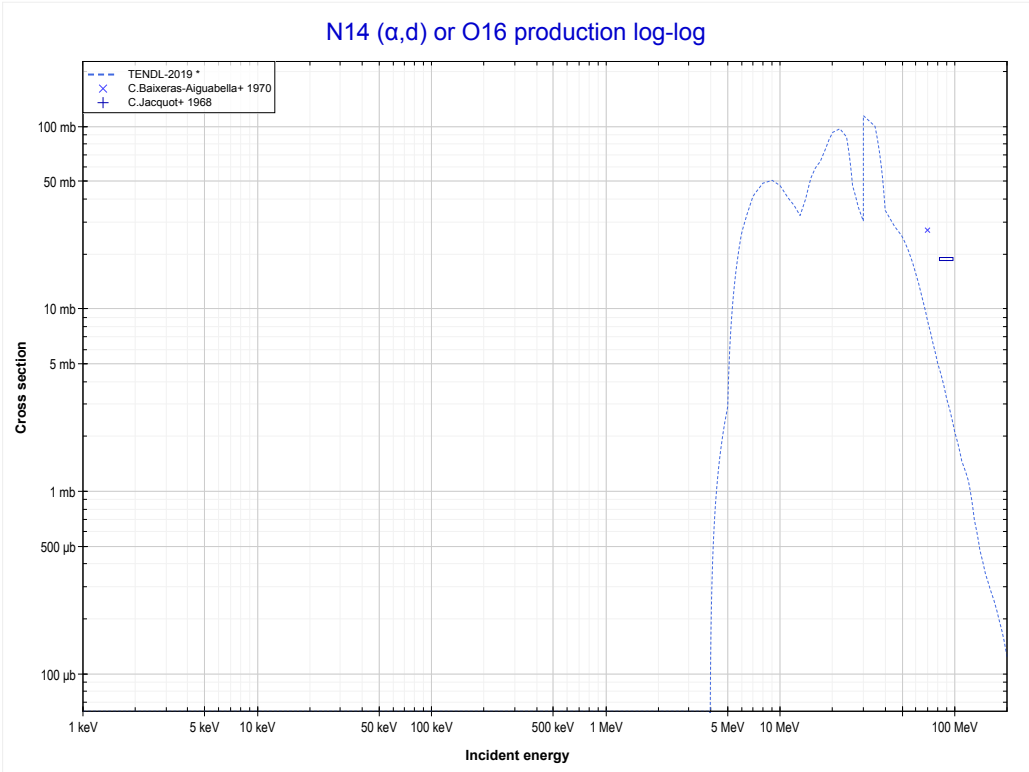
Reaction	Q-Value
N14($\alpha,\text{He3}$)N15	-9744.32 keV
N14($\alpha,p+d$)N15	-15237.80 keV
N14($\alpha,n+2p$)N15	-17462.36 keV

<< 6-C-12	7-N-14	20-Ca-44 >>
<< MT44 (α,n+2p)	MT45 (α,n+p+α) or MT5 (C12 production)	MT104 (α,d) >>



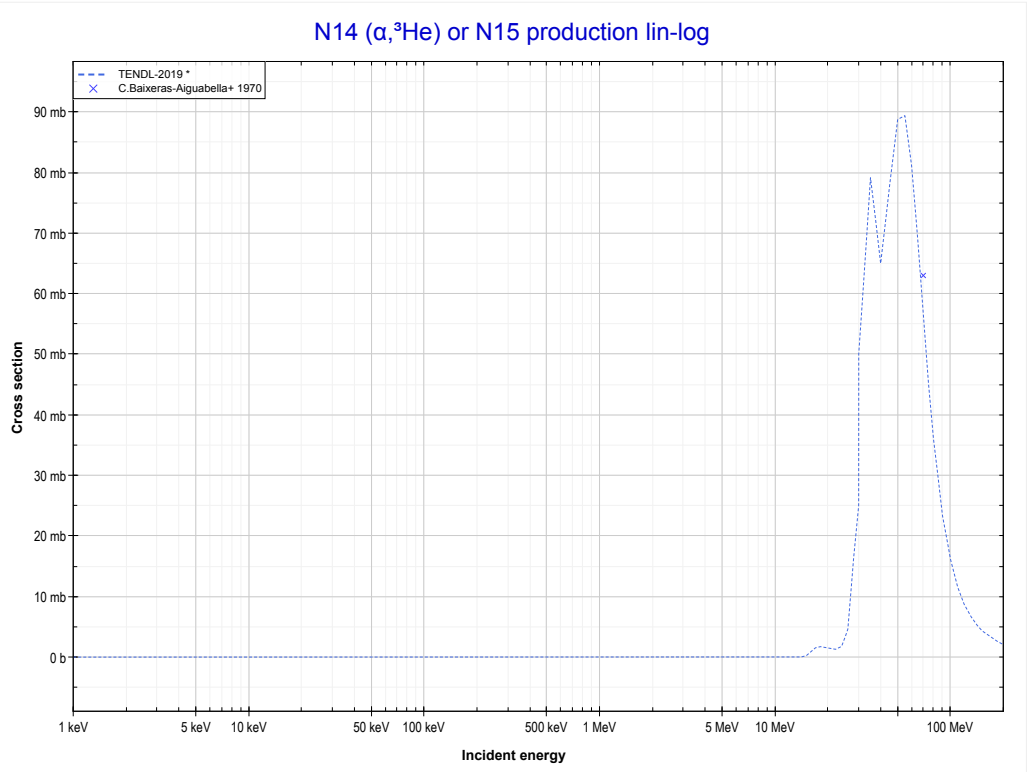
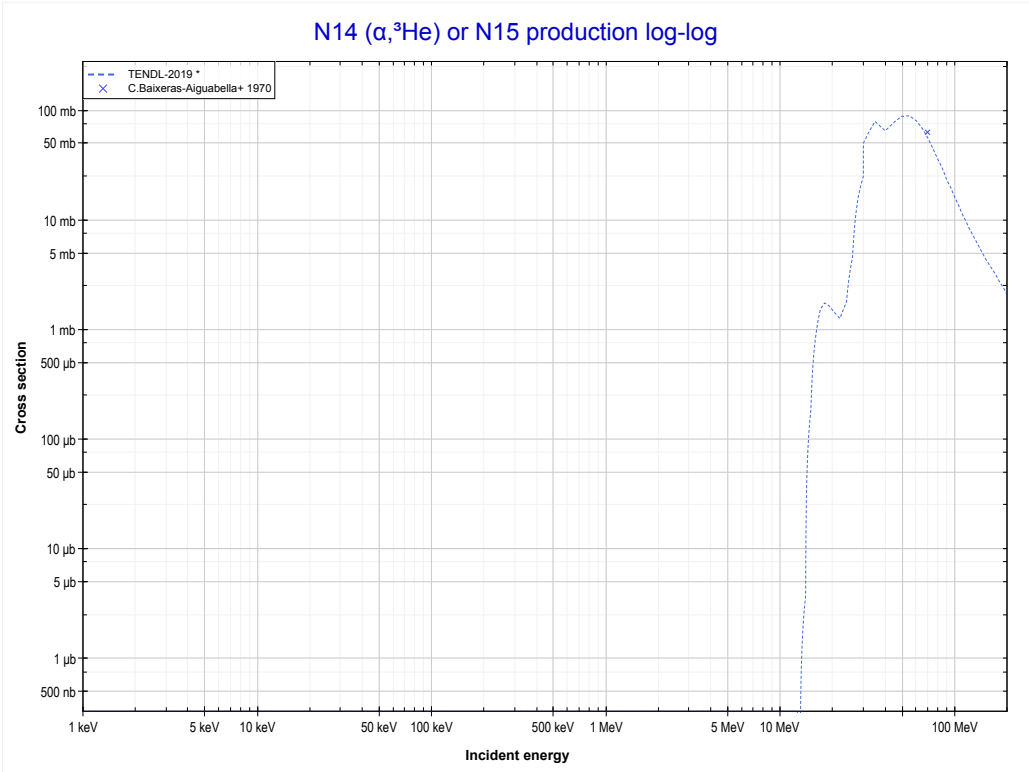
Reaction	Q-Value	Reaction	Q-Value
N14(α,d+α)C12	-10272.31 keV	N14(α,n+p+2d)C12	-36343.40 keV
N14(α,n+p+α)C12	-12496.87 keV	N14(α,2n+2p+d)C12	-38567.96 keV
N14(α,t+He3)C12	-24592.70 keV	N14(α,3n+3p)C12	-40792.53 keV
N14(α,p+d+t)C12	-30086.17 keV		
N14(α,n+d+He3)C12	-30849.92 keV		
N14(α,n+2p+t)C12	-32310.74 keV		
N14(α,2n+p+He3)C12	-33074.49 keV		
N14(α,3d)C12	-34118.83 keV		

<< 6-C-12	7-N-14	8-O-16 >>
<< MT45 (α ,n+p+ α)	MT104 (α ,d) or MT5 (O16 production)	MT106 (α , ^{3} He) >>



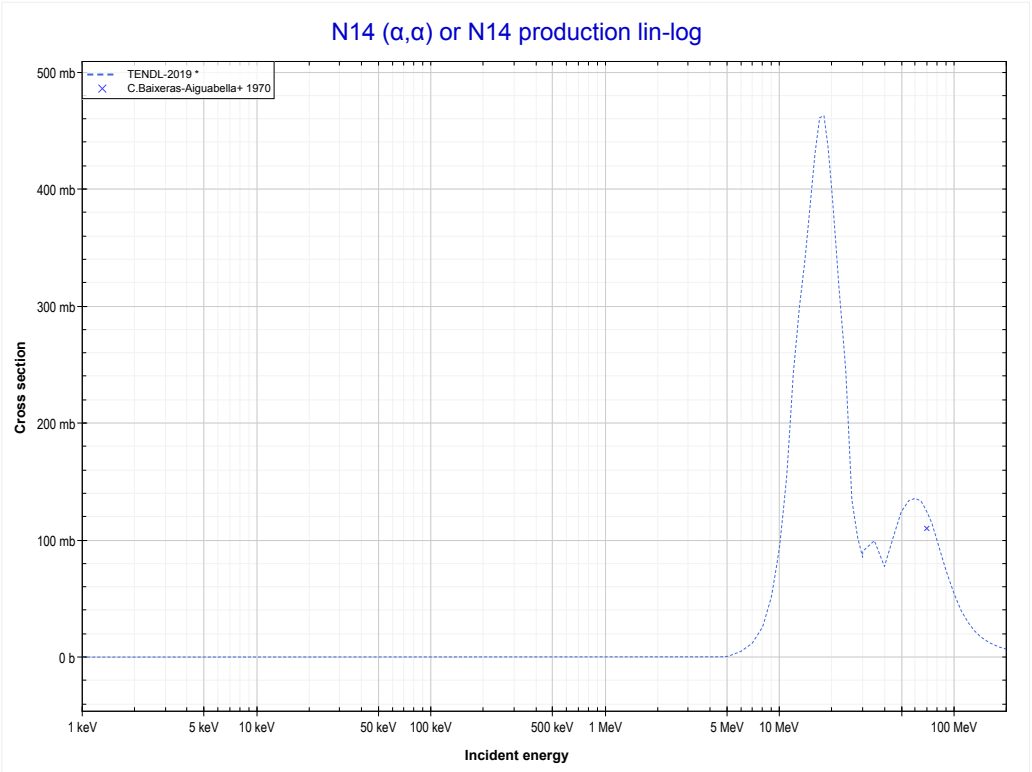
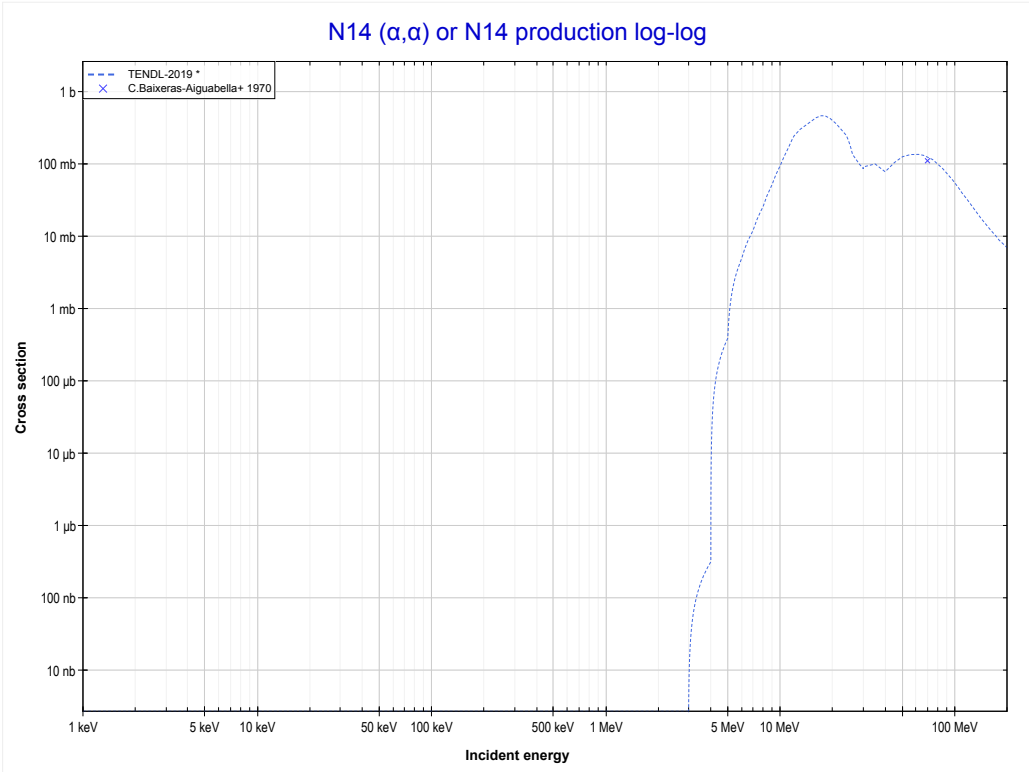
Reaction	Q-Value
N14(α ,d)O16	-3110.39 keV
N14(α ,n+p)O16	-5334.95 keV

<< 6-C-12	7-N-14	13-Al-27 >>
<< MT104 (α,d)	MT106 (α, ³ He) or MT5 (N15 production)	MT107 (α,α) >>



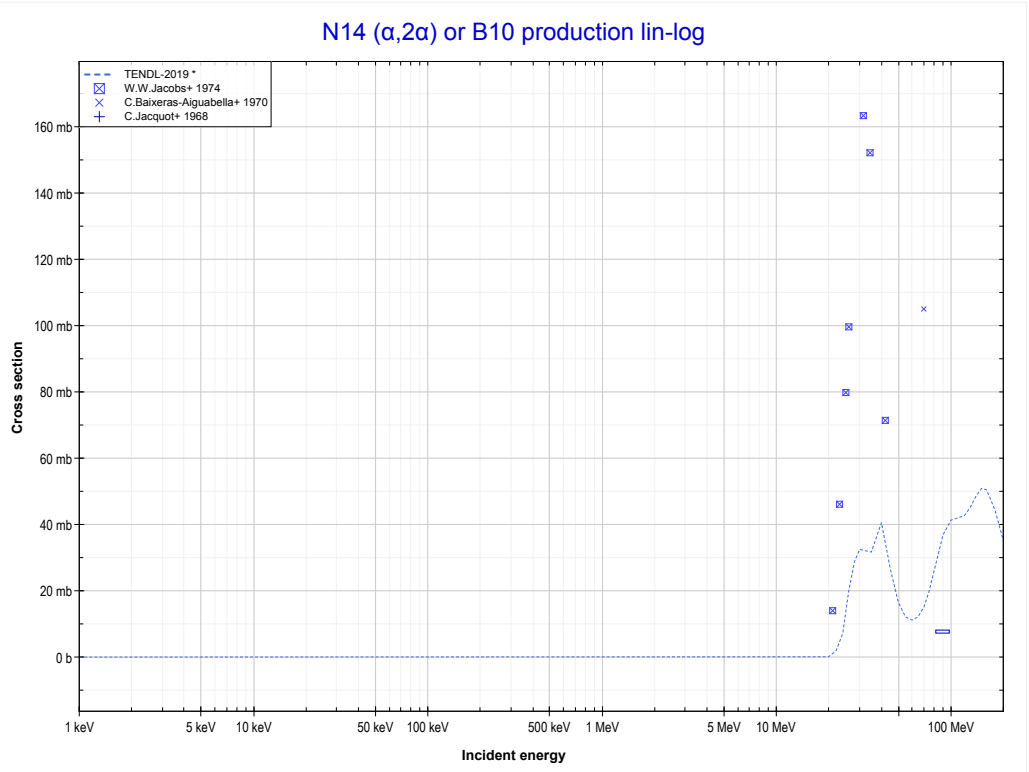
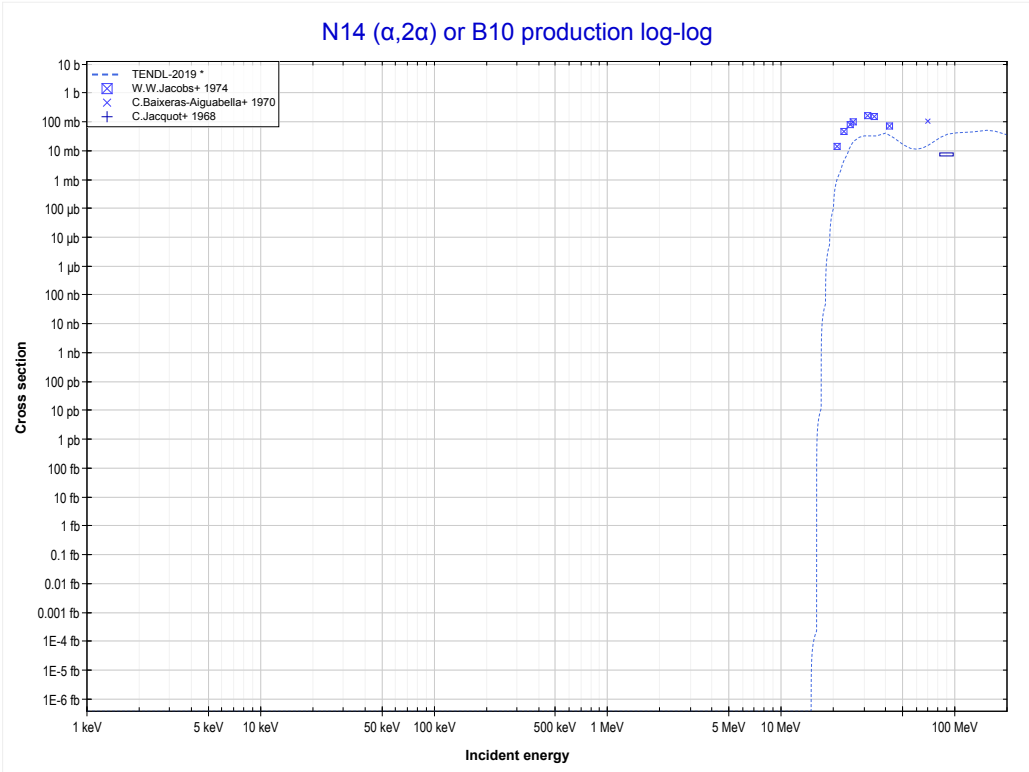
Reaction	Q-Value
N14(α,He3)N15	-9744.32 keV
N14(α,p+d)N15	-15237.80 keV
N14(α,n+2p)N15	-17462.36 keV

<< 6-C-12	7-N-14	27-Co-59 >>
<< MT106 (α , ^3He)	MT107 (α , α) or MT5 (N14 production)	MT108 (α , 2α) >>



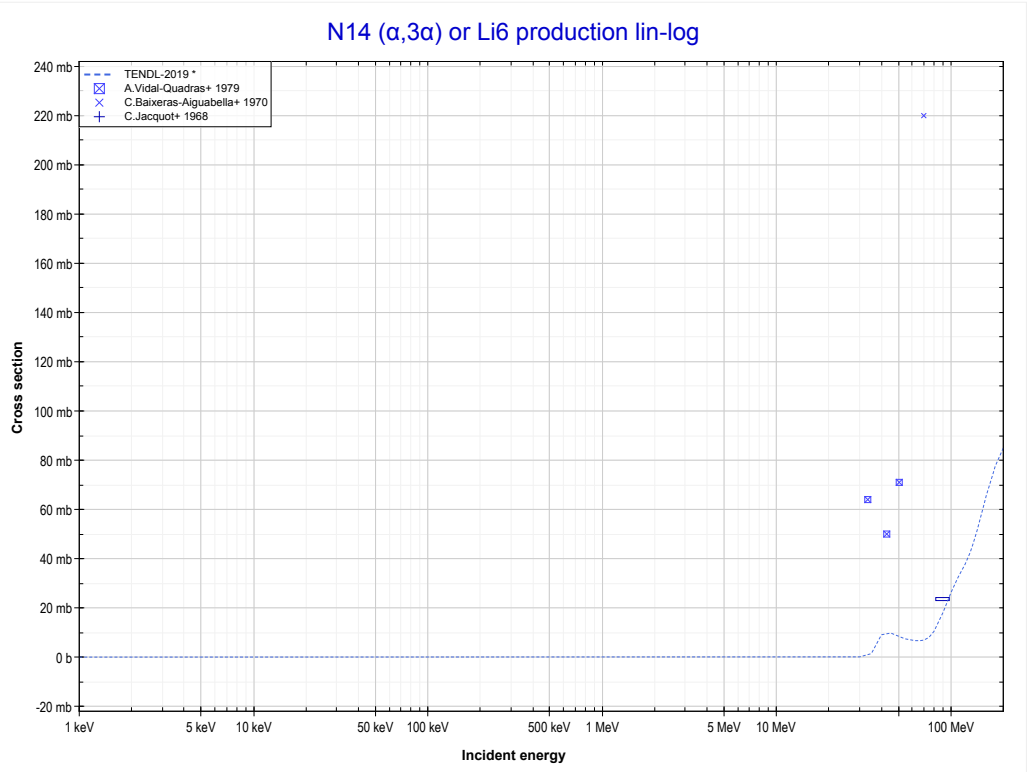
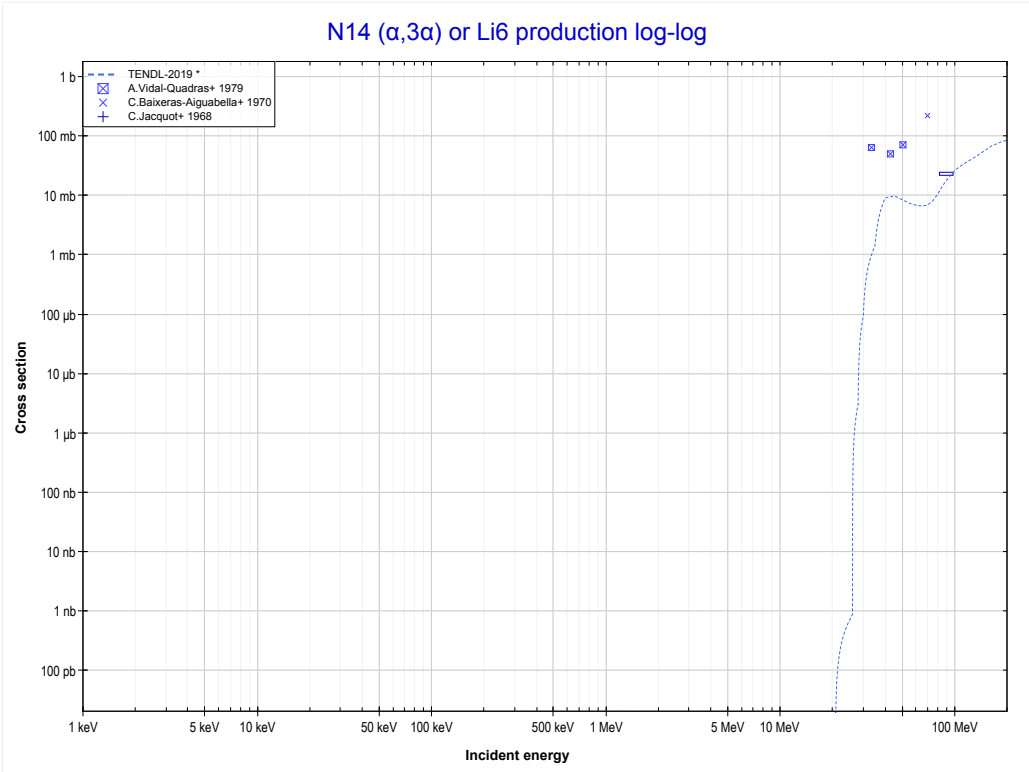
Reaction	Q-Value
N14(α , α)N14	0.00 keV
N14(α ,p+t)N14	-19813.86 keV
N14(α ,n+He3)N14	-20577.62 keV
N14(α ,2d)N14	-23846.53 keV
N14(α ,n+p+d)N14	-26071.09 keV
N14(α ,2n+2p)N14	-28295.66 keV

<< 6-C-12	7-N-14	23-V-51 >>
<< MT107 (α,α)	MT108 ($\alpha,2\alpha$) or MT5 (B10 production)	MT109 ($\alpha,3\alpha$) >>



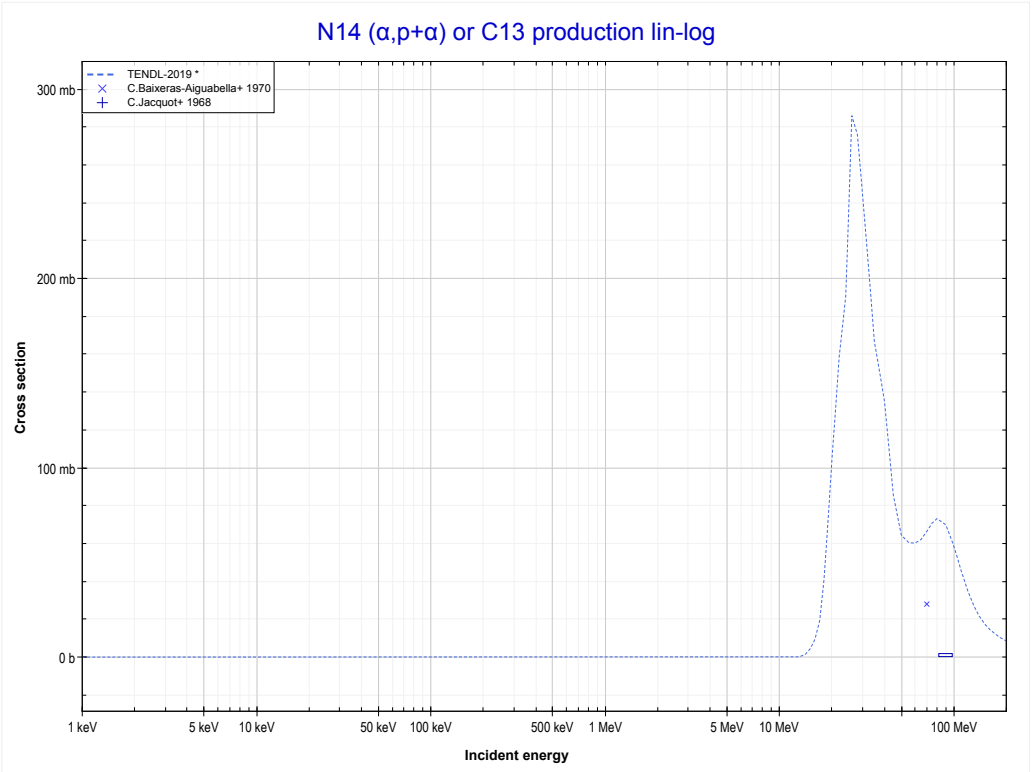
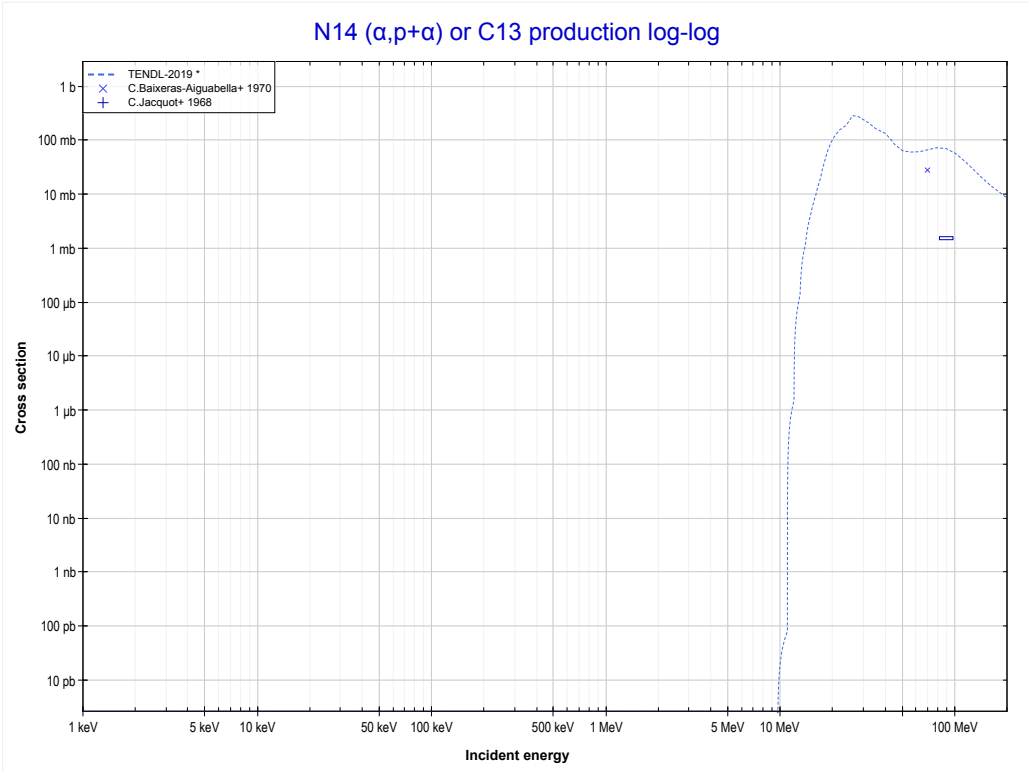
Reaction	Q-Value	Reaction	Q-Value
N14($\alpha,2\alpha$)B10	-11612.11 keV	N14($\alpha,n+p+t+He3$)B10	-52003.59 keV
N14($\alpha,p+t+\alpha$)B10	-31425.97 keV	N14($\alpha,2n+2He3$)B10	-52767.35 keV
N14($\alpha,n+He3+\alpha$)B10	-32189.73 keV	N14($\alpha,p+2d+t$)B10	-55272.50 keV
N14($\alpha,2d+\alpha$)B10	-35458.64 keV	N14($\alpha,n+2d+He3$)B10	-56036.26 keV
N14($\alpha,n+p+d+\alpha$)B10	-37683.20 keV	N14($\alpha,n+2p+d+t$)B10	-57497.07 keV
N14($\alpha,2n+2p+\alpha$)B10	-39907.77 keV	N14($\alpha,2n+p+d+He3$)B10	-58260.82 keV
N14($\alpha,d+t+He3$)B10	-49779.03 keV	N14($\alpha,4d$)B10	-59305.16 keV
N14($\alpha,2p+2t$)B10	-51239.84 keV	N14($\alpha,2n+3p+t$)B10	-59721.63 keV

	7-N-14	
<< MT108 ($\alpha,2\alpha$)	MT109 ($\alpha,3\alpha$) or MT5 (Li6 production)	MT112 ($\alpha,p+\alpha$) >>



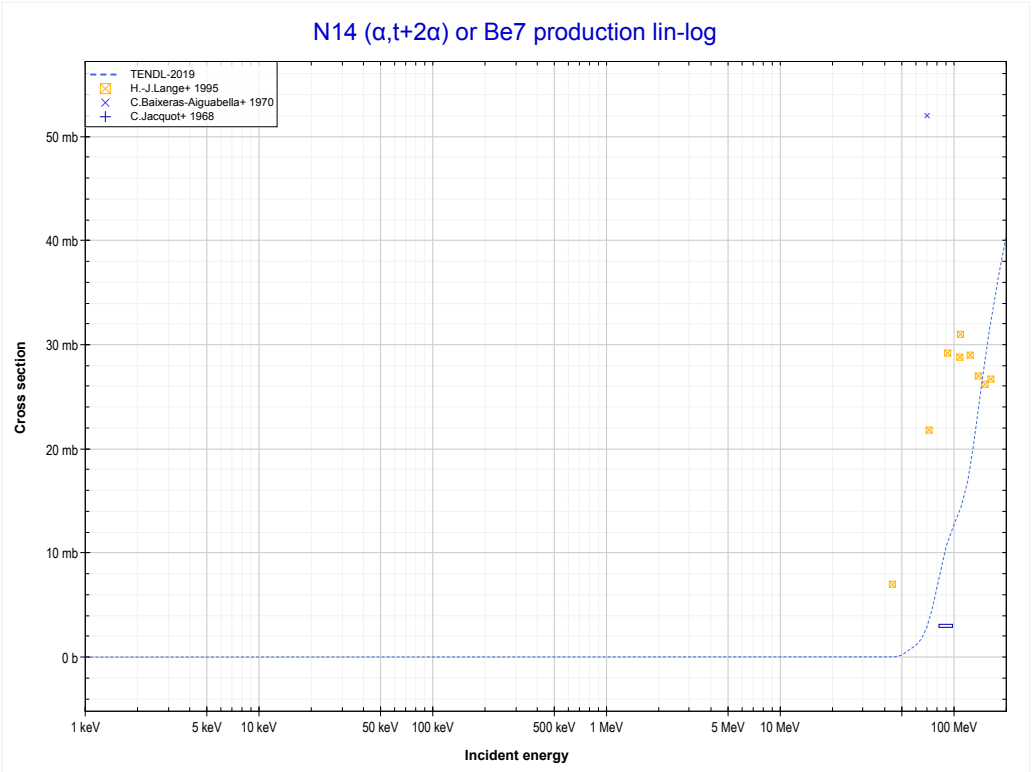
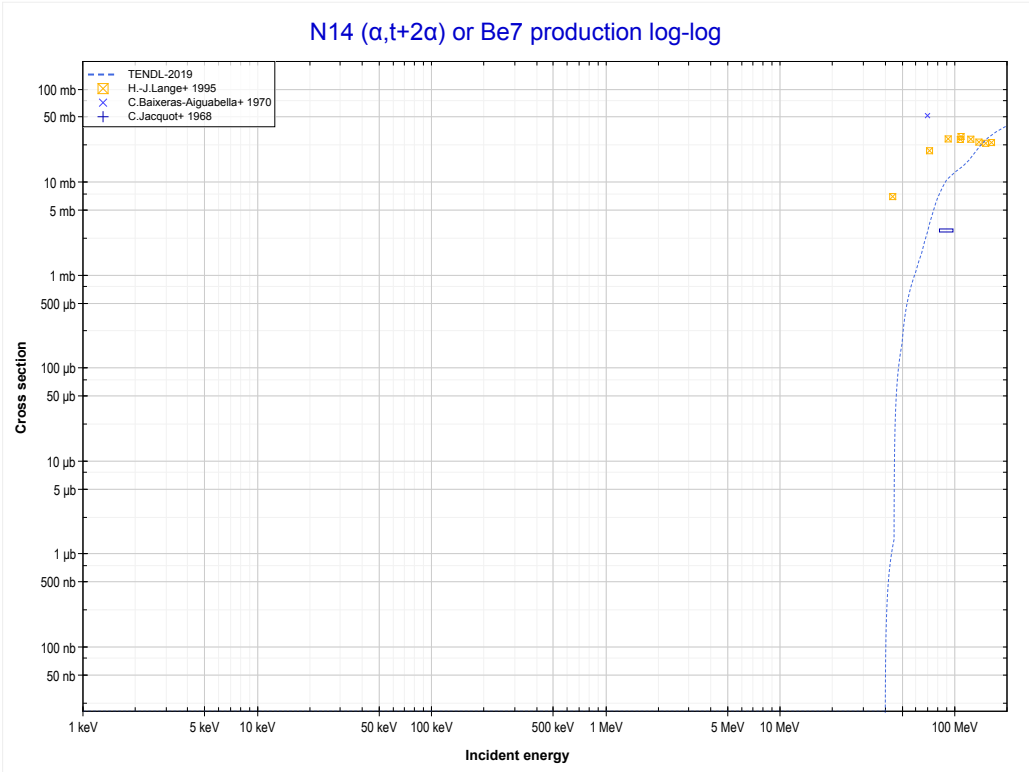
Reaction	Q-Value	Reaction	Q-Value
N14($\alpha,3\alpha$)Li6	-16073.29 keV	N14($\alpha,n+p+t+He3+\alpha$)Li6	-56464.78 keV
N14($\alpha,p+t+2\alpha$)Li6	-35887.16 keV	N14($\alpha,2n+2He3+\alpha$)Li6	-57228.53 keV
N14($\alpha,n+He3+2\alpha$)Li6	-36650.91 keV	N14($\alpha,p+2d+t+\alpha$)Li6	-59733.69 keV
N14($\alpha,2d+2\alpha$)Li6	-39919.82 keV	N14($\alpha,n+2d+He3+\alpha$)Li6	-60497.44 keV
N14($\alpha,n+p+d+2\alpha$)Li6	-42144.39 keV	N14($\alpha,n+2p+d+t+\alpha$)Li6	-61958.25 keV
N14($\alpha,2n+2p+2\alpha$)Li6	-44368.95 keV	N14($\alpha,2n+p+d+He3+\alpha$)Li6	-62722.01 keV
N14($\alpha,d+t+He3+\alpha$)Li6	-54240.21 keV	N14($\alpha,4d+\alpha$)Li6	-63766.35 keV
N14($\alpha,2p+2t+\alpha$)Li6	-55701.02 keV	N14($\alpha,2n+3p+t+\alpha$)Li6	-64182.82 keV

<< 6-C-12	7-N-14	14-Si-29 >>
<< MT109 ($\alpha,3\alpha$)	MT112 ($\alpha,p+\alpha$) or MT5 (C13 production)	MT113 ($\alpha,t+2\alpha$) >>



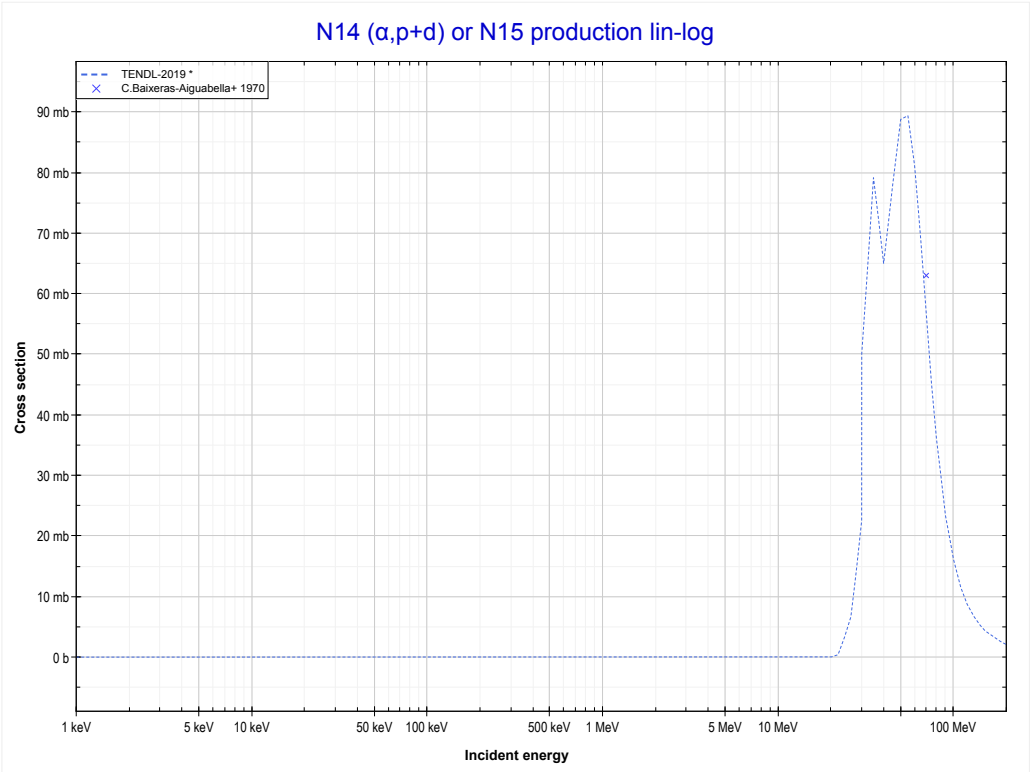
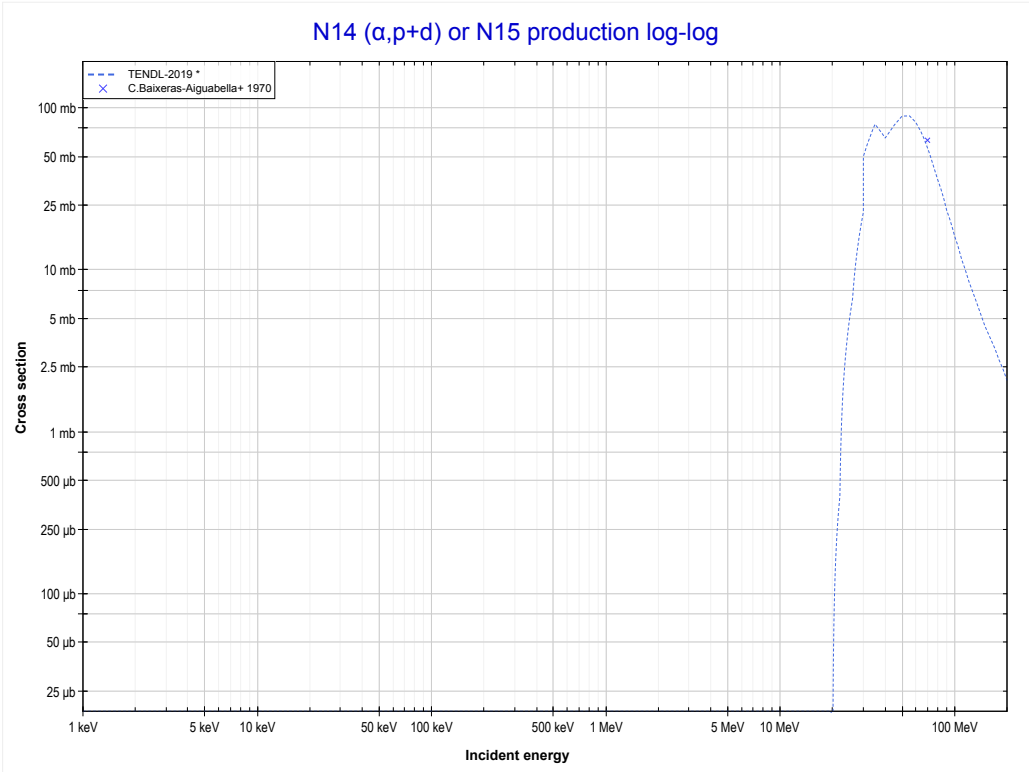
Reaction	Q-Value
N14($\alpha,p+\alpha$)C13	-7550.56 keV
N14($\alpha,d+He3$)C13	-25903.62 keV
N14($\alpha,2p+t$)C13	-27364.43 keV
N14($\alpha,n+p+He3$)C13	-28128.18 keV
N14($\alpha,p+2d$)C13	-31397.09 keV
N14($\alpha,n+2p+d$)C13	-33621.66 keV
N14($\alpha,2n+3p$)C13	-35846.22 keV

	7-N-14	
<< MT112 (α,p+α)	MT113 (α,t+2α) or MT5 (Be7 production)	MT115 (α,p+d) >>



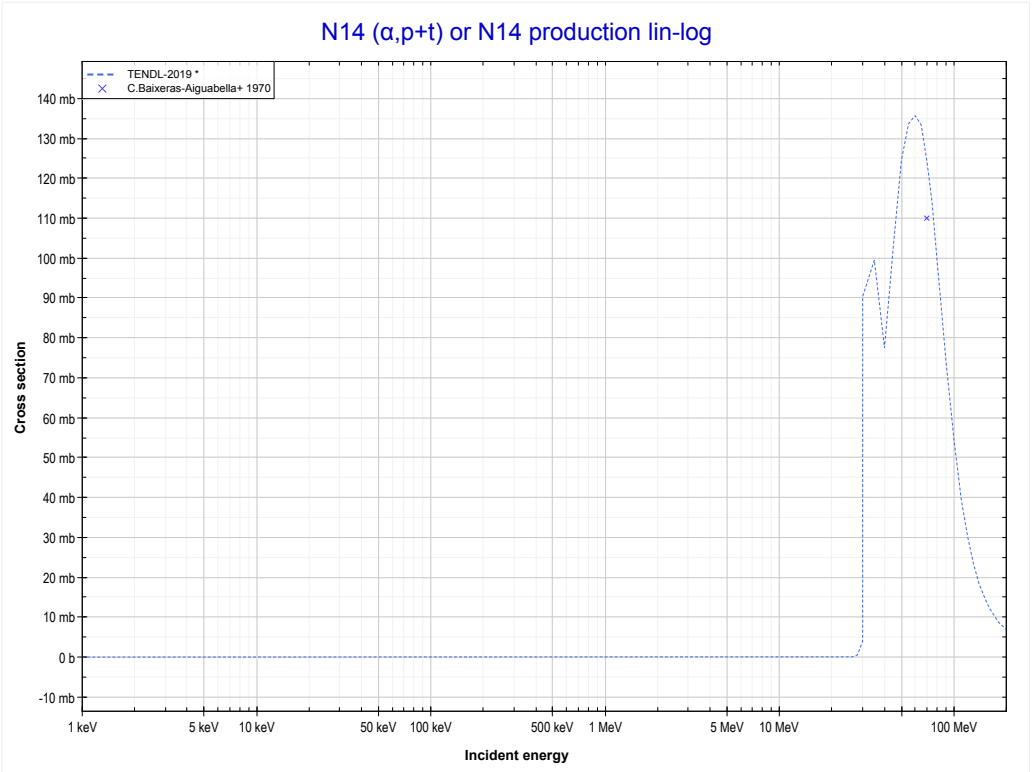
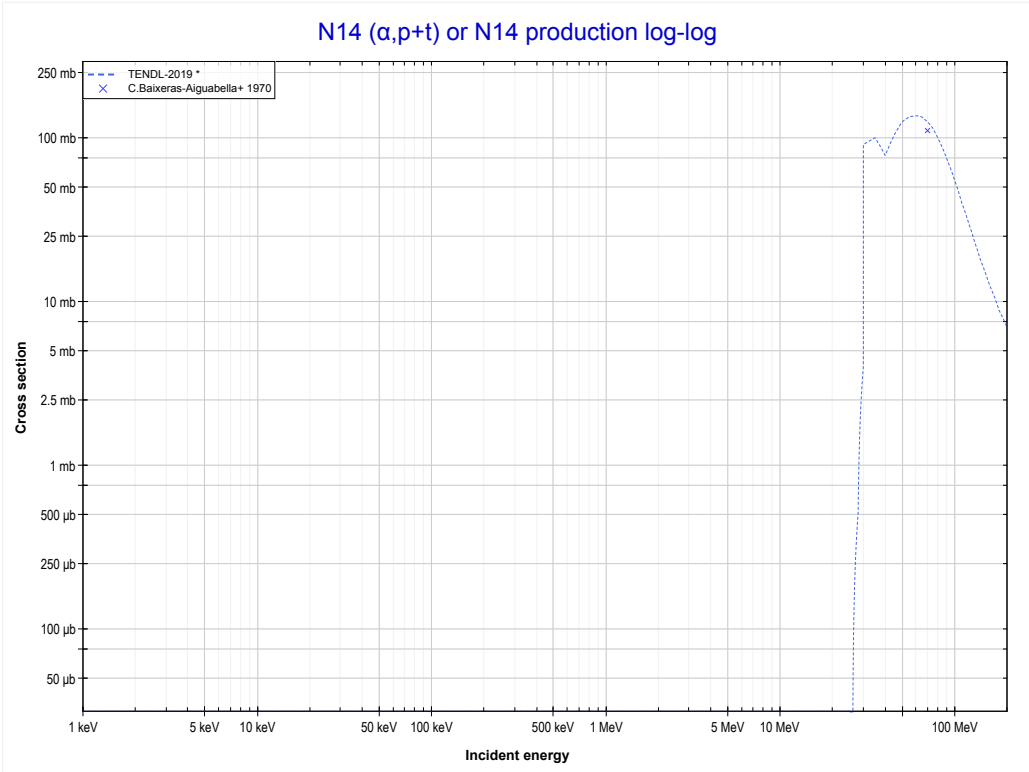
Reaction	Q-Value	Reaction	Q-Value
N14(α,t+2α)Be7	-30280.31 keV	N14(α,2n+2p+t+α)Be7	-58575.97 keV
N14(α,n+d+2α)Be7	-36537.54 keV	N14(α,3n+p+He3+α)Be7	-59339.72 keV
N14(α,2n+p+2α)Be7	-38762.10 keV	N14(α,n+3d+α)Be7	-60384.07 keV
N14(α,p+2t+α)Be7	-50094.17 keV	N14(α,2n+p+2d+α)Be7	-62608.63 keV
N14(α,n+t+He3+α)Be7	-50857.93 keV	N14(α,3n+2p+d+α)Be7	-64833.20 keV
N14(α,2d+t+α)Be7	-54126.84 keV	N14(α,4n+3p+α)Be7	-67057.76 keV
N14(α,n+p+d+t+α)Be7	-56351.40 keV	N14(α,d+2t+He3)Be7	-68447.23 keV
N14(α,2n+d+He3+α)Be7	-57115.16 keV	N14(α,2p+3t)Be7	-69908.04 keV

<< 6-C-12	7-N-14	13-Al-27 >>
<< MT113 (α ,t+2 α)	MT115 (α ,p+d) or MT5 (N15 production)	MT116 (α ,p+t) >>



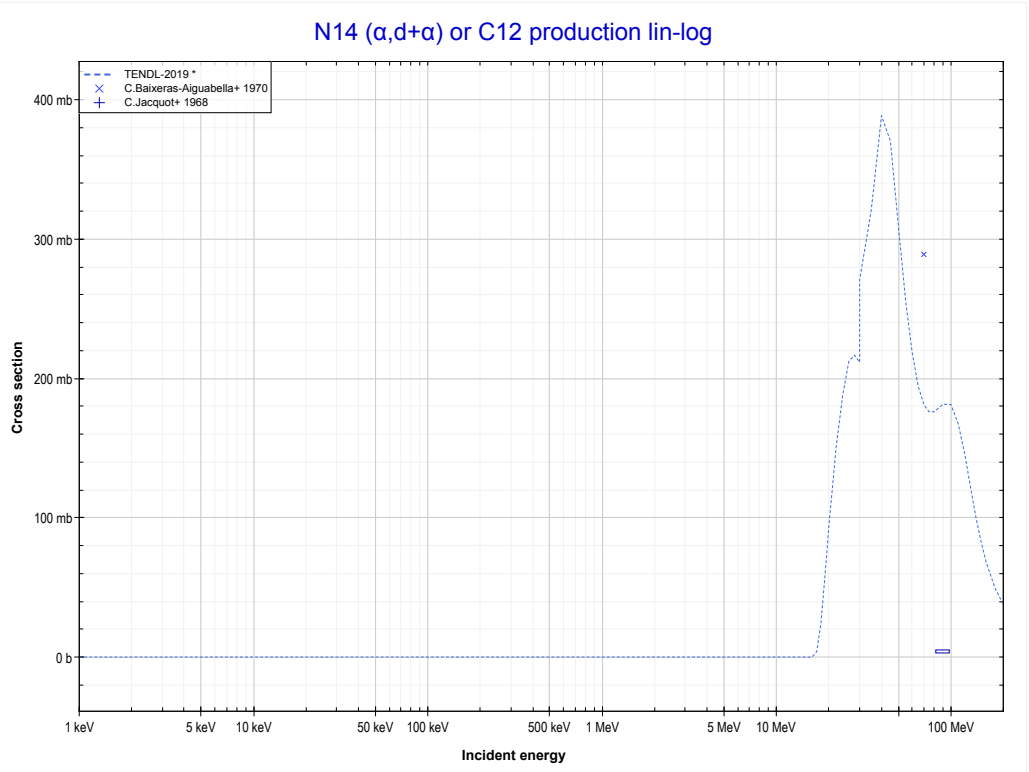
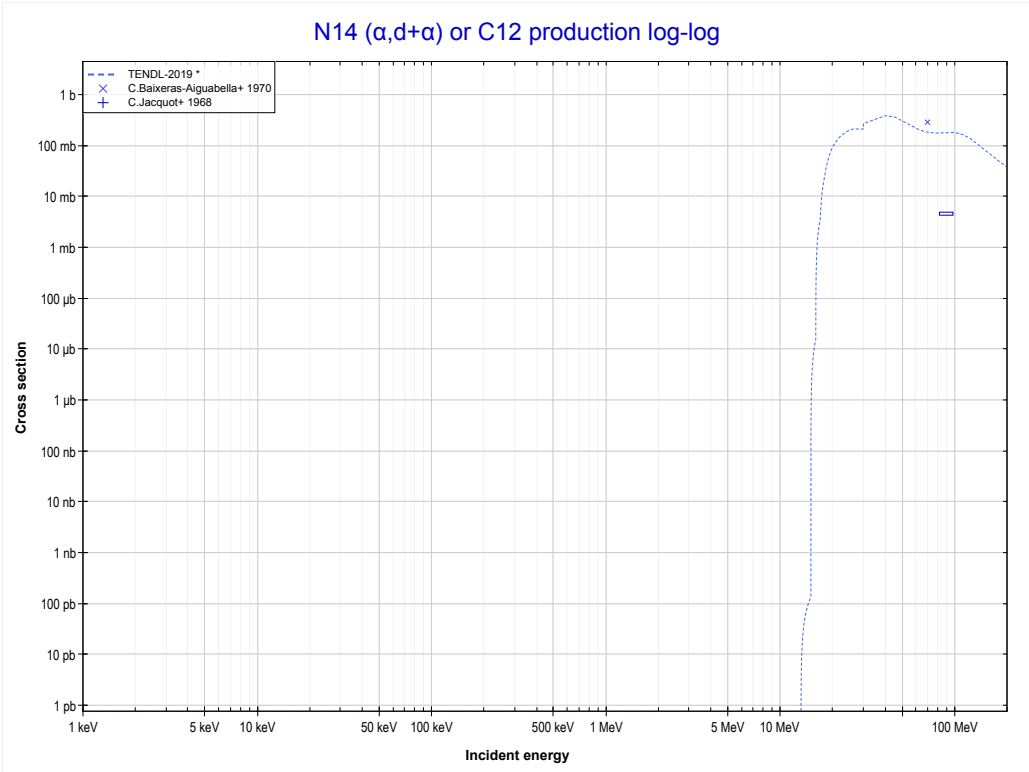
Reaction	Q-Value
N14(α ,He3)N15	-9744.32 keV
N14(α ,p+d)N15	-15237.80 keV
N14(α ,n+2p)N15	-17462.36 keV

<< 6-C-12	7-N-14	
<< MT115 (α ,p+d)	MT116 (α ,p+t) or MT5 (N14 production)	MT117 (α ,d+ α) >>



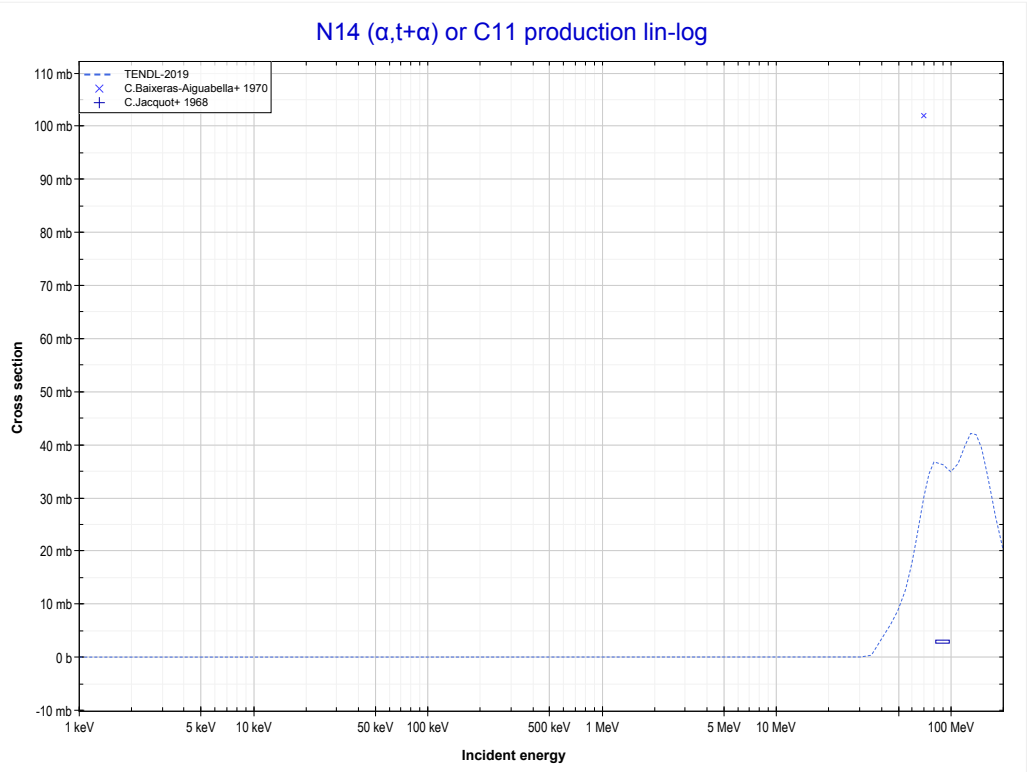
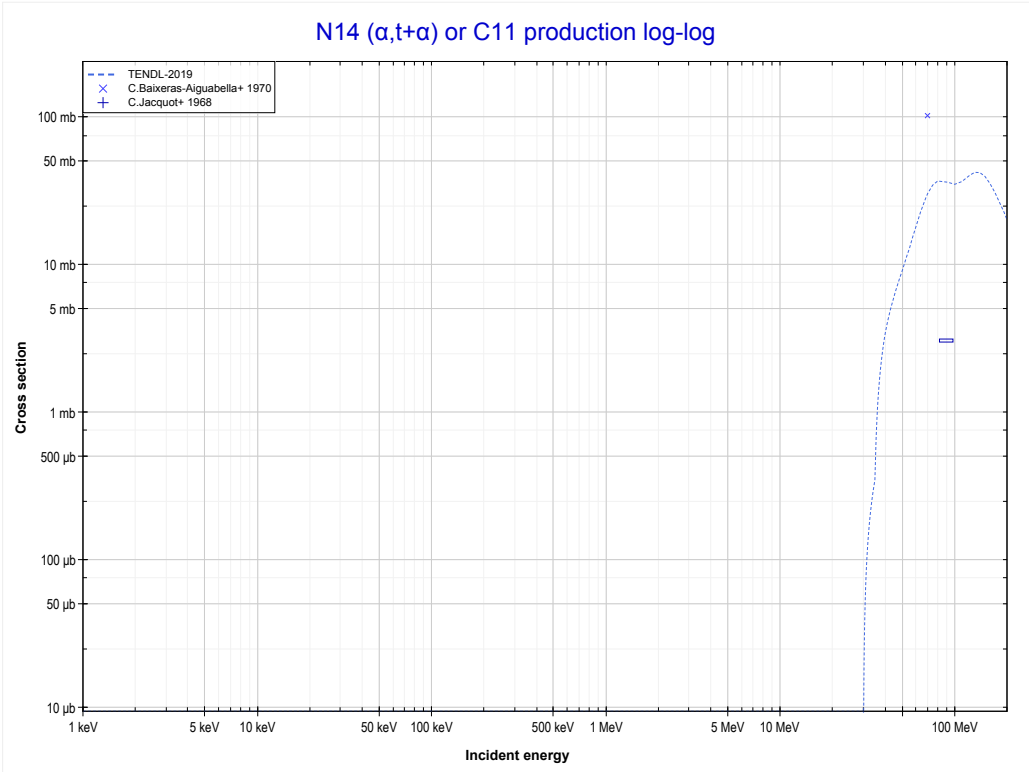
Reaction	Q-Value
N14(α , α)N14	0.00 keV
N14(α ,p+t)N14	-19813.86 keV
N14(α ,n+He3)N14	-20577.62 keV
N14(α ,2d)N14	-23846.53 keV
N14(α ,n+p+d)N14	-26071.09 keV
N14(α ,2n+2p)N14	-28295.66 keV

<< 6-C-12	7-N-14	20-Ca-44 >>
<< MT116 (α,p+t)	MT117 (α,d+α) or MT5 (C12 production)	MT155 (α,t+α) >>



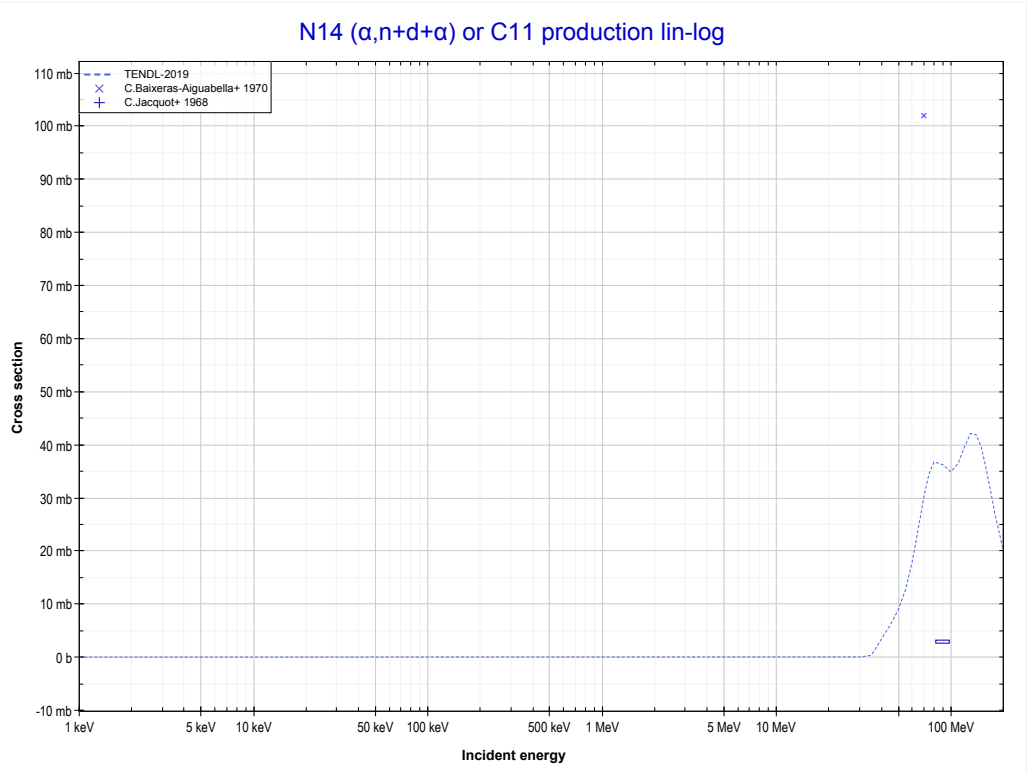
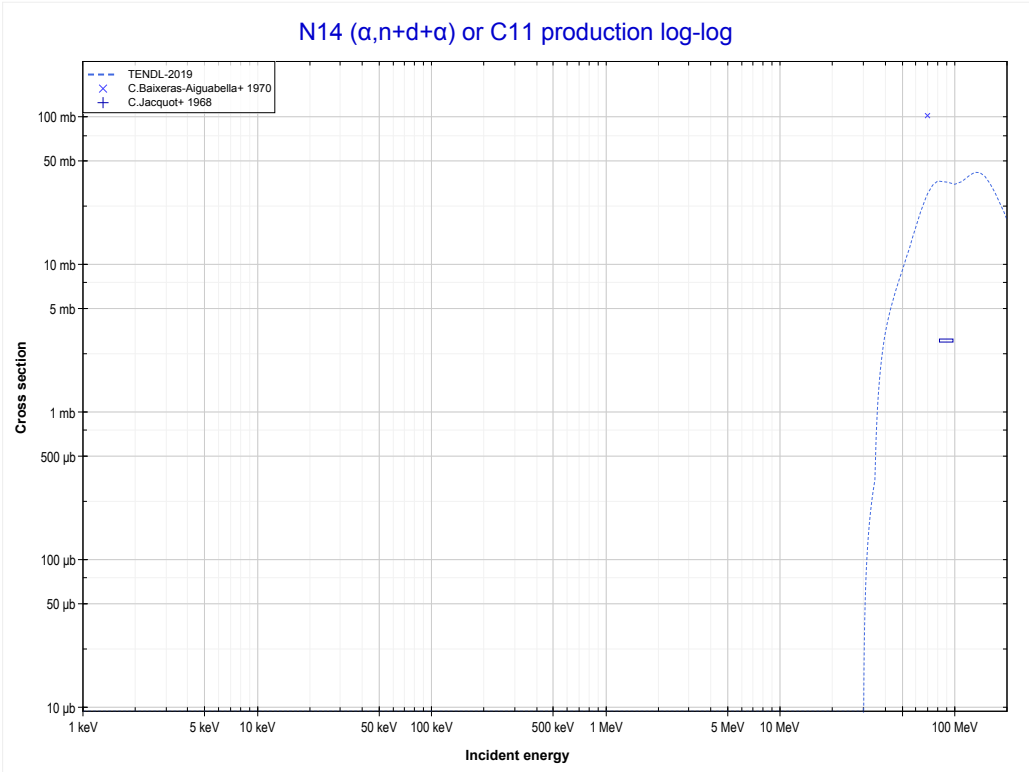
Reaction	Q-Value	Reaction	Q-Value
N14(α,d+α)C12	-10272.31 keV	N14(α,n+p+2d)C12	-36343.40 keV
N14(α,n+p+α)C12	-12496.87 keV	N14(α,2n+2p+d)C12	-38567.96 keV
N14(α,t+He3)C12	-24592.70 keV	N14(α,3n+3p)C12	-40792.53 keV
N14(α,p+d+t)C12	-30086.17 keV		
N14(α,n+d+He3)C12	-30849.92 keV		
N14(α,n+2p+t)C12	-32310.74 keV		
N14(α,2n+p+He3)C12	-33074.49 keV		
N14(α,3d)C12	-34118.83 keV		

	7-N-14	28-Ni-58 >>
<< MT117 (α,d+α)	MT155 (α,t+α) or MT5 (C11 production)	MT158 (α,n+d+α) >>



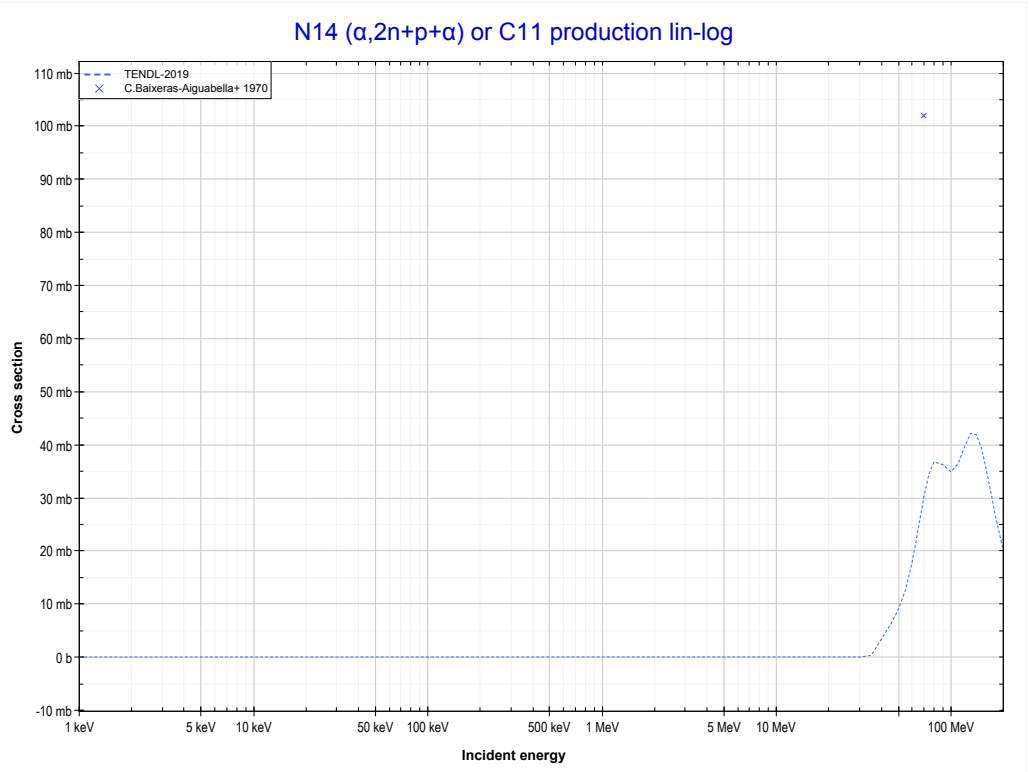
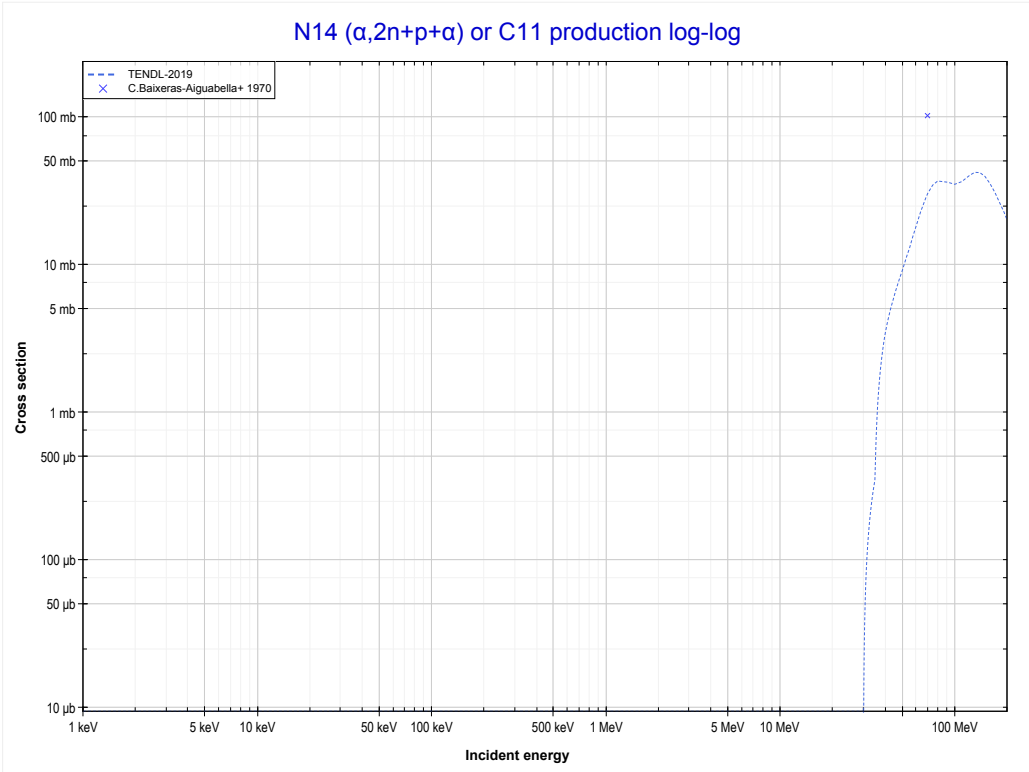
Reaction	Q-Value	Reaction	Q-Value
N14(α,t+α)C11	-22735.79 keV	N14(α,2n+2p+t)C11	-51031.45 keV
N14(α,n+d+α)C11	-28993.02 keV	N14(α,3n+p+He3)C11	-51795.21 keV
N14(α,2n+p+α)C11	-31217.59 keV	N14(α,n+3d)C11	-52839.55 keV
N14(α,p+2t)C11	-42549.66 keV	N14(α,2n+p+2d)C11	-55064.12 keV
N14(α,n+t+He3)C11	-43313.41 keV	N14(α,3n+2p+d)C11	-57288.68 keV
N14(α,2d+t)C11	-46582.32 keV	N14(α,4n+3p)C11	-59513.25 keV
N14(α,n+p+d+t)C11	-48806.89 keV		
N14(α,2n+d+He3)C11	-49570.64 keV		

	7-N-14	28-Ni-58 >>
<< MT155 (α,t+α)	MT158 (α,n+d+α) or MT5 (C11 production)	MT159 (α,2n+p+α) >>



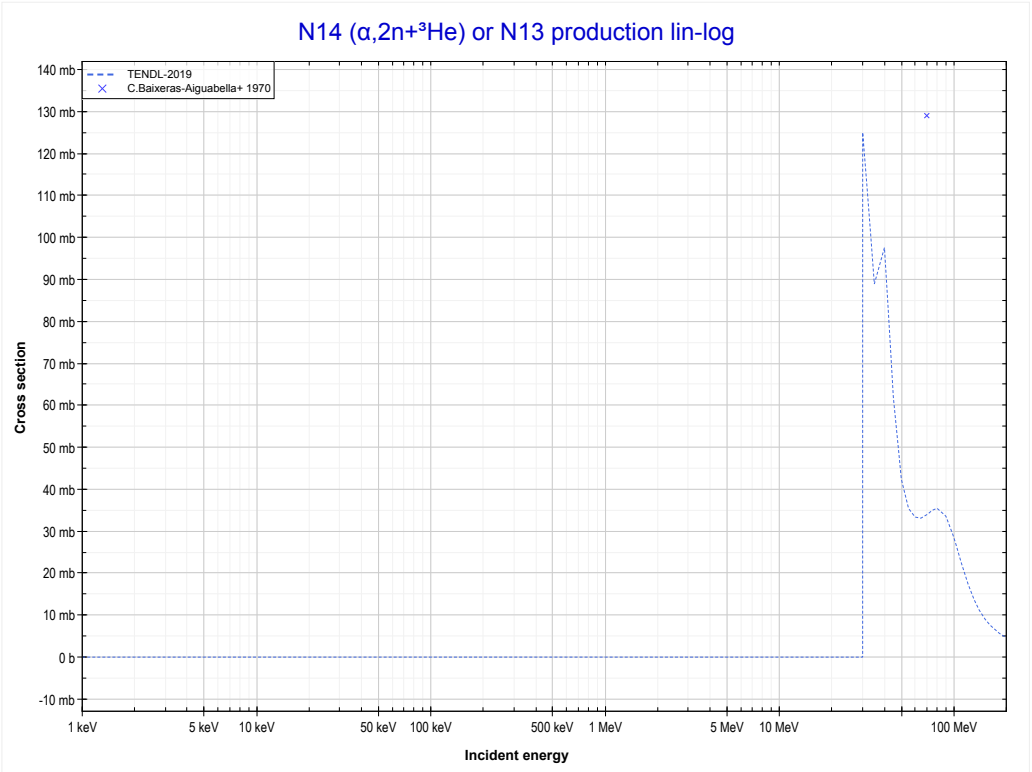
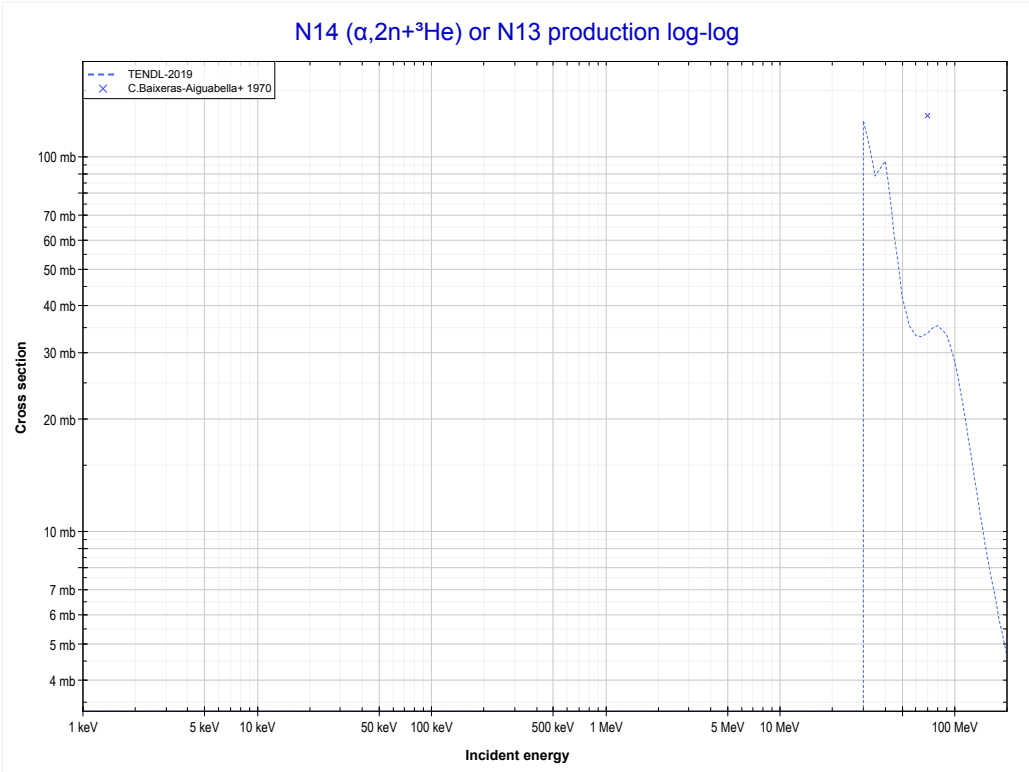
Reaction	Q-Value	Reaction	Q-Value
N14(α,t+α)C11	-22735.79 keV	N14(α,2n+2p+t)C11	-51031.45 keV
N14(α,n+d+α)C11	-28993.02 keV	N14(α,3n+p+He3)C11	-51795.21 keV
N14(α,2n+p+α)C11	-31217.59 keV	N14(α,n+3d)C11	-52839.55 keV
N14(α,p+2t)C11	-42549.66 keV	N14(α,2n+p+2d)C11	-55064.12 keV
N14(α,n+t+He3)C11	-43313.41 keV	N14(α,3n+2p+d)C11	-57288.68 keV
N14(α,2d+t)C11	-46582.32 keV	N14(α,4n+3p)C11	-59513.25 keV
N14(α,n+p+d+t)C11	-48806.89 keV		
N14(α,2n+d+He3)C11	-49570.64 keV		

	7-N-14	28-Ni-58 >>
<< MT158 ($\alpha,n+d+\alpha$)	MT159 ($\alpha,2n+p+\alpha$) or MT5 (C11 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



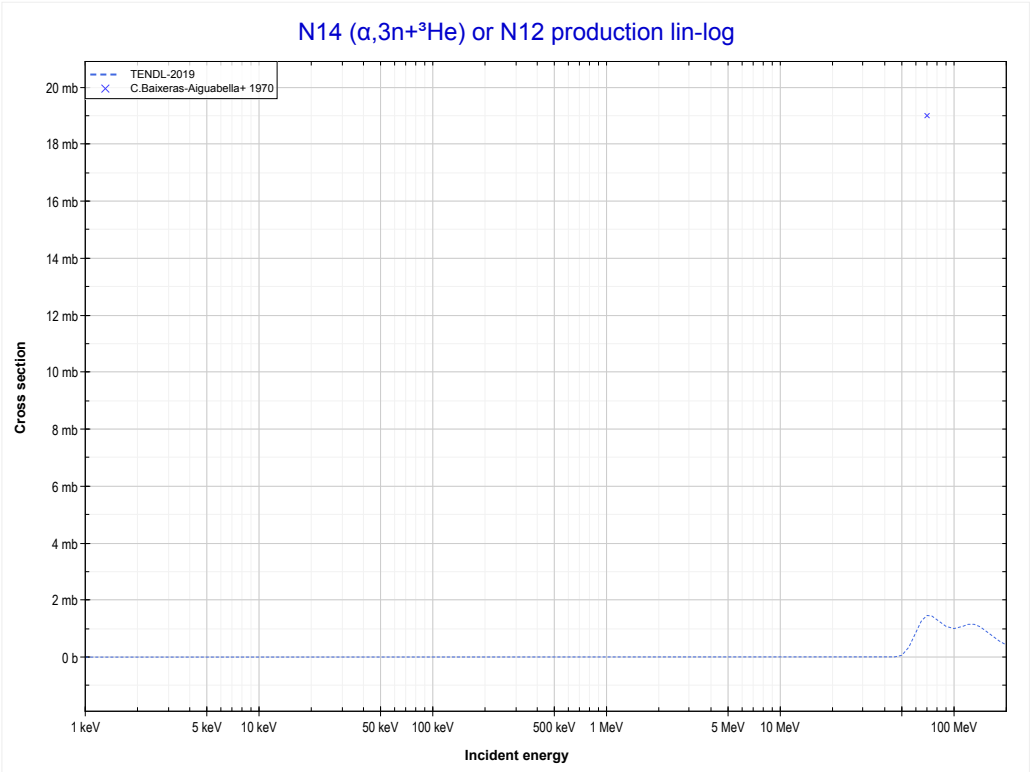
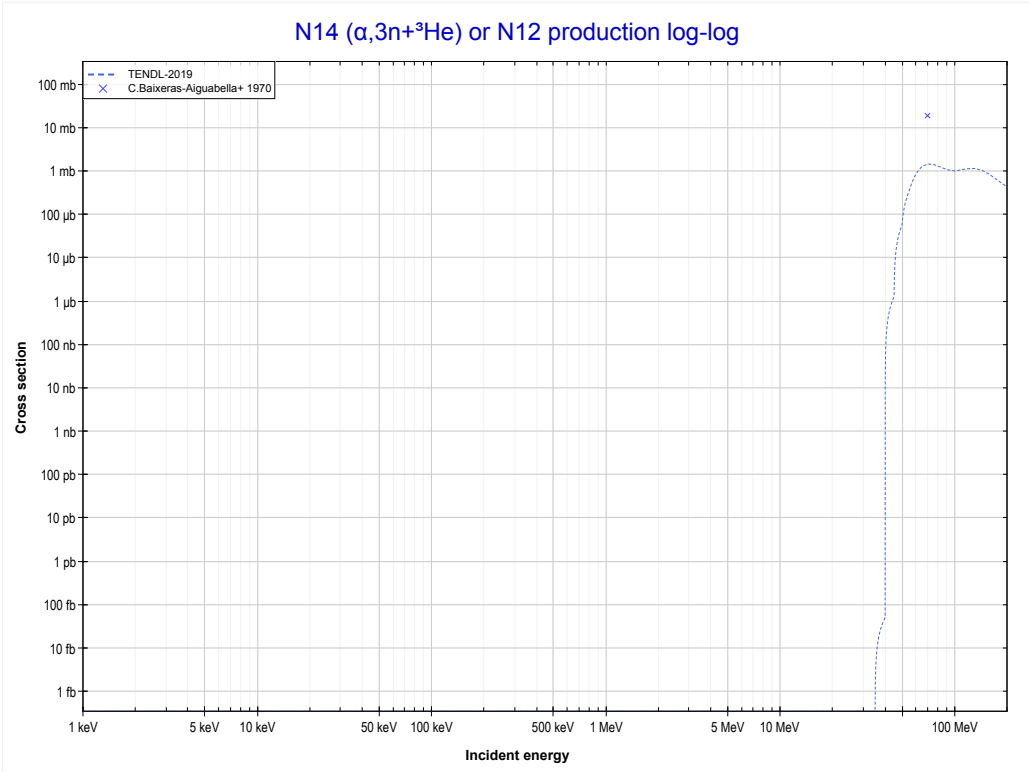
Reaction	Q-Value	Reaction	Q-Value
N14($\alpha,t+\alpha$)C11	-22735.79 keV	N14($\alpha,2n+2p+t$)C11	-51031.45 keV
N14($\alpha,n+d+\alpha$)C11	-28993.02 keV	N14($\alpha,3n+p+^3\text{He}$)C11	-51795.21 keV
N14($\alpha,2n+p+\alpha$)C11	-31217.59 keV	N14($\alpha,n+3d$)C11	-52839.55 keV
N14($\alpha,p+2t$)C11	-42549.66 keV	N14($\alpha,2n+p+2d$)C11	-55064.12 keV
N14($\alpha,n+t+^3\text{He}$)C11	-43313.41 keV	N14($\alpha,3n+2p+d$)C11	-57288.68 keV
N14($\alpha,2d+t$)C11	-46582.32 keV	N14($\alpha,4n+3p$)C11	-59513.25 keV
N14($\alpha,n+p+d+t$)C11	-48806.89 keV		
N14($\alpha,2n+d+^3\text{He}$)C11	-49570.64 keV		

<< 6-C-12	7-N-14	8-O-16 >>
<< MT159 ($\alpha,2n+p+\alpha$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (N13 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



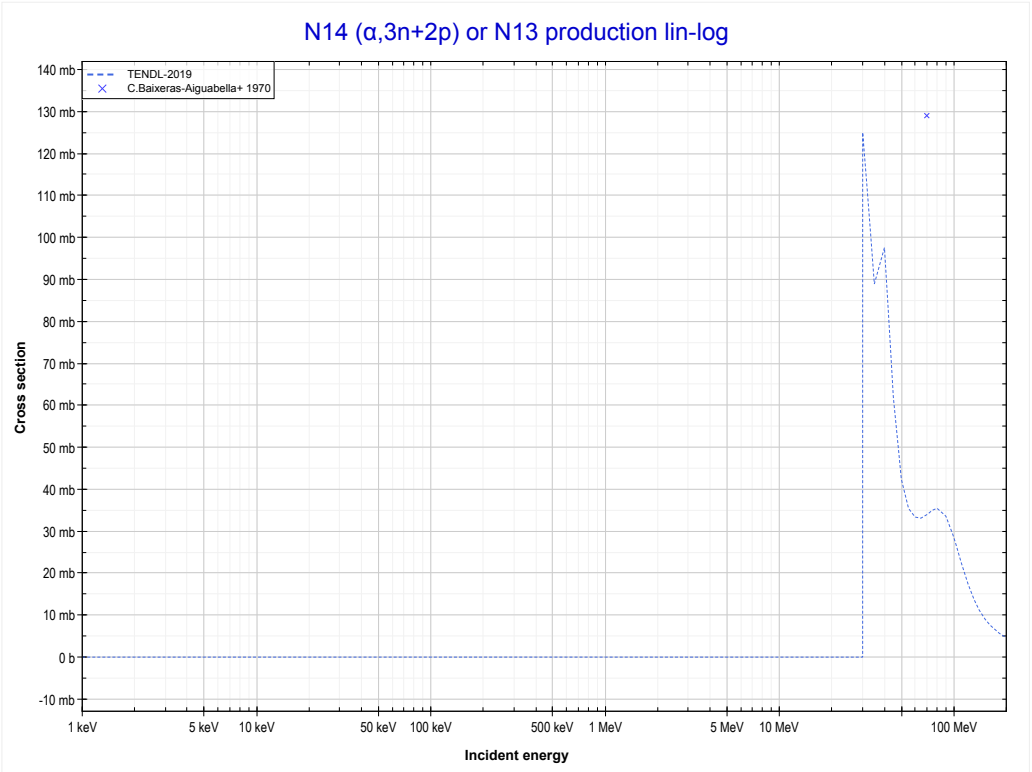
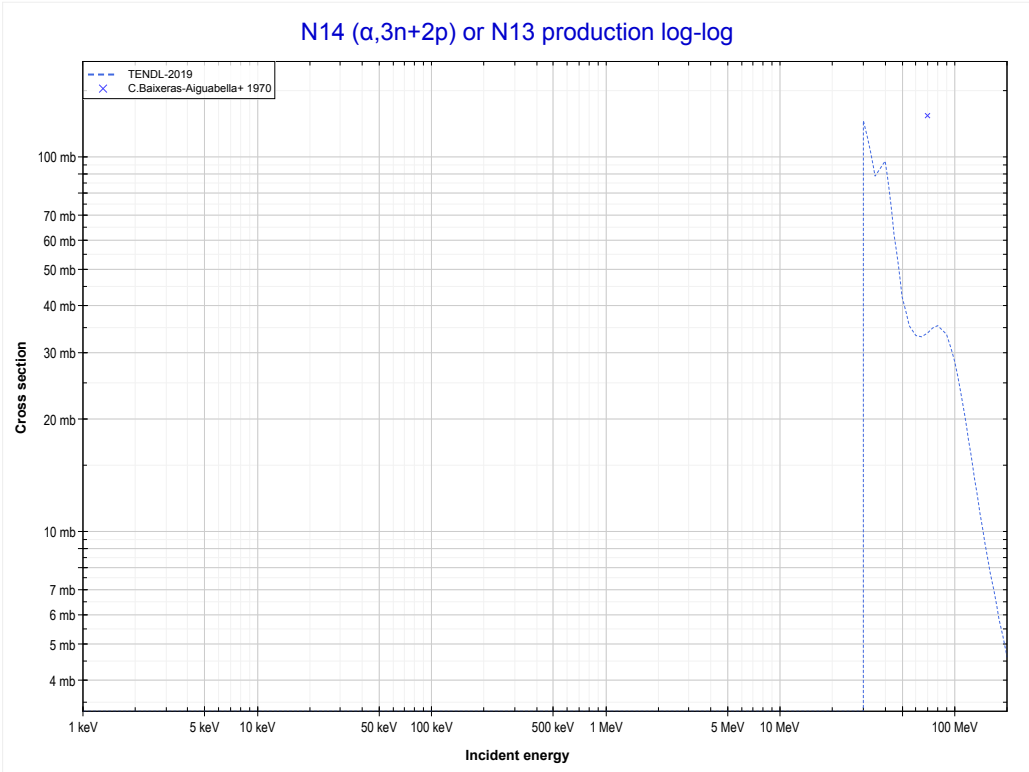
Reaction	Q-Value
N14($\alpha,n+\alpha$)N13	-10553.38 keV
N14($\alpha,d+t$)N13	-28142.68 keV
N14($\alpha,n+p+t$)N13	-30367.25 keV
N14($\alpha,2n+\text{He3}$)N13	-31131.00 keV
N14($\alpha,n+2d$)N13	-34399.91 keV
N14($\alpha,2n+p+d$)N13	-36624.47 keV
N14($\alpha,3n+2p$)N13	-38849.04 keV

<< 6-C-12	7-N-14	21-Sc-45 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (N12 production)	MT179 ($\alpha,3n+2p$) >>



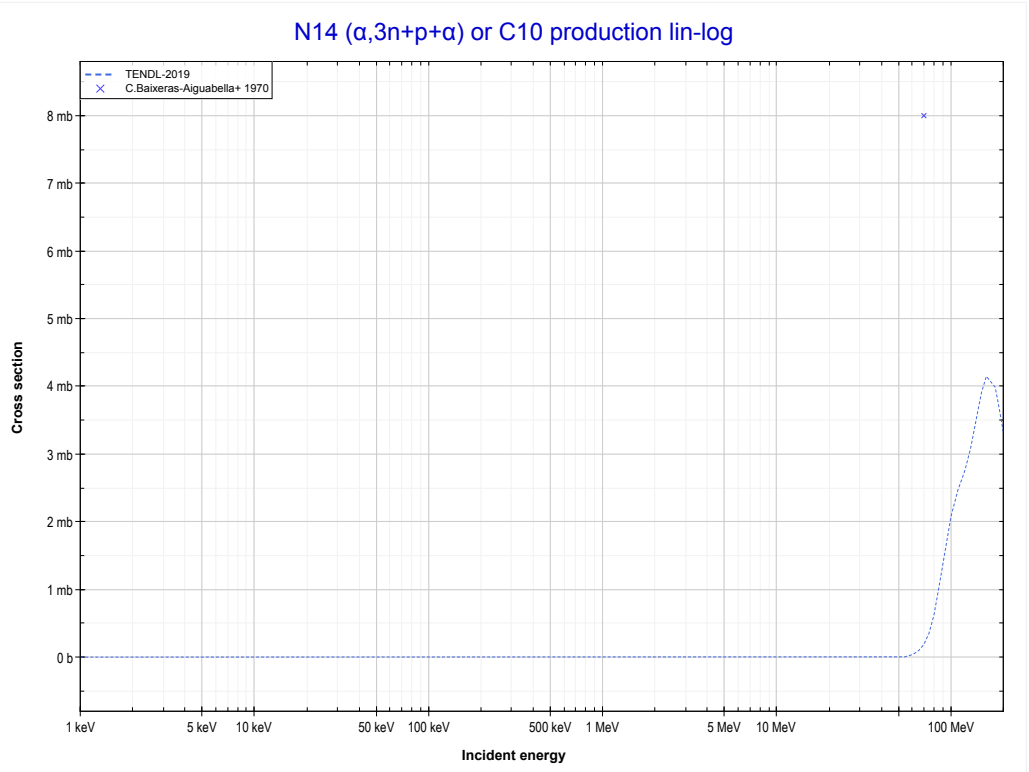
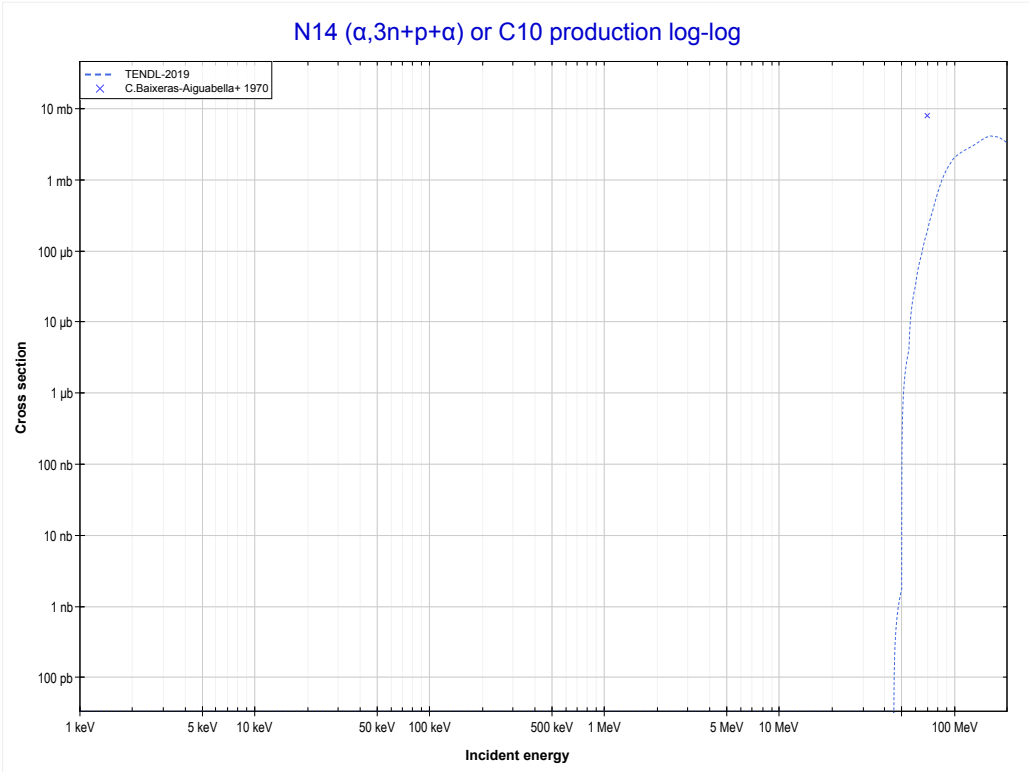
Reaction	Q-Value
N14($\alpha,2n+\alpha$)N12	-30617.32 keV
N14($\alpha,2t$)N12	-41949.39 keV
N14($\alpha,n+d+t$)N12	-48206.62 keV
N14($\alpha,2n+p+t$)N12	-50431.18 keV
N14($\alpha,3n+^3\text{He}$)N12	-51194.94 keV
N14($\alpha,2n+2d$)N12	-54463.85 keV
N14($\alpha,3n+p+d$)N12	-56688.41 keV
N14($\alpha,4n+2p$)N12	-58912.98 keV

<< 6-C-12	7-N-14	8-O-16 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (N13 production)	MT181 ($\alpha,3n+p+\alpha$) >>



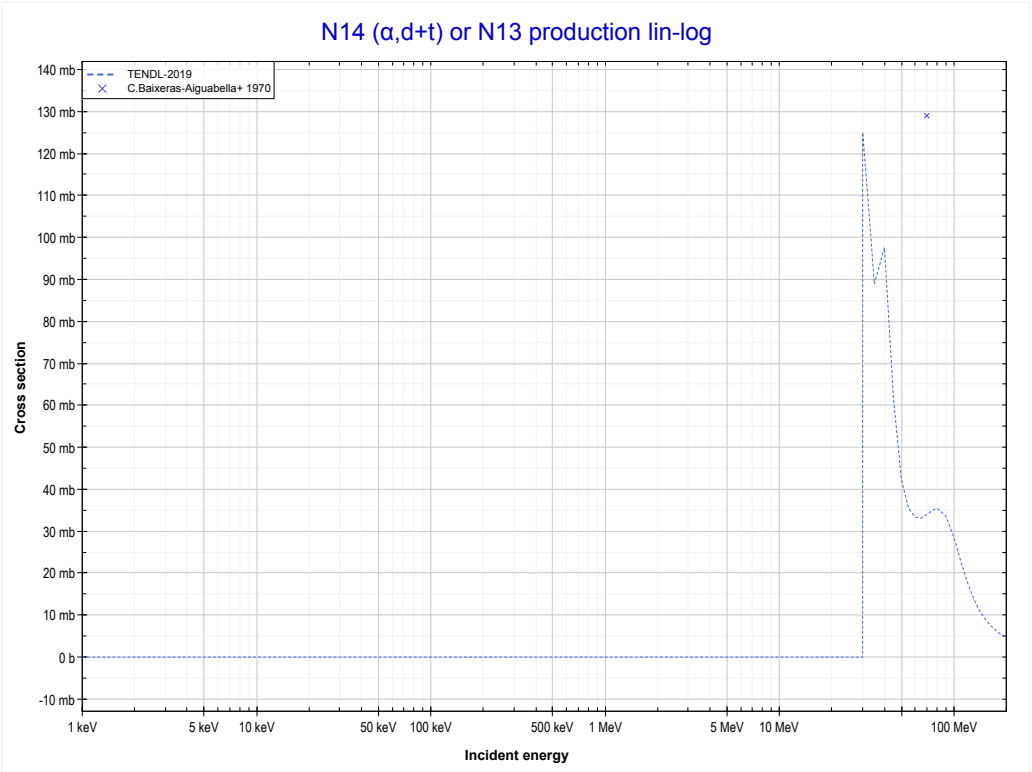
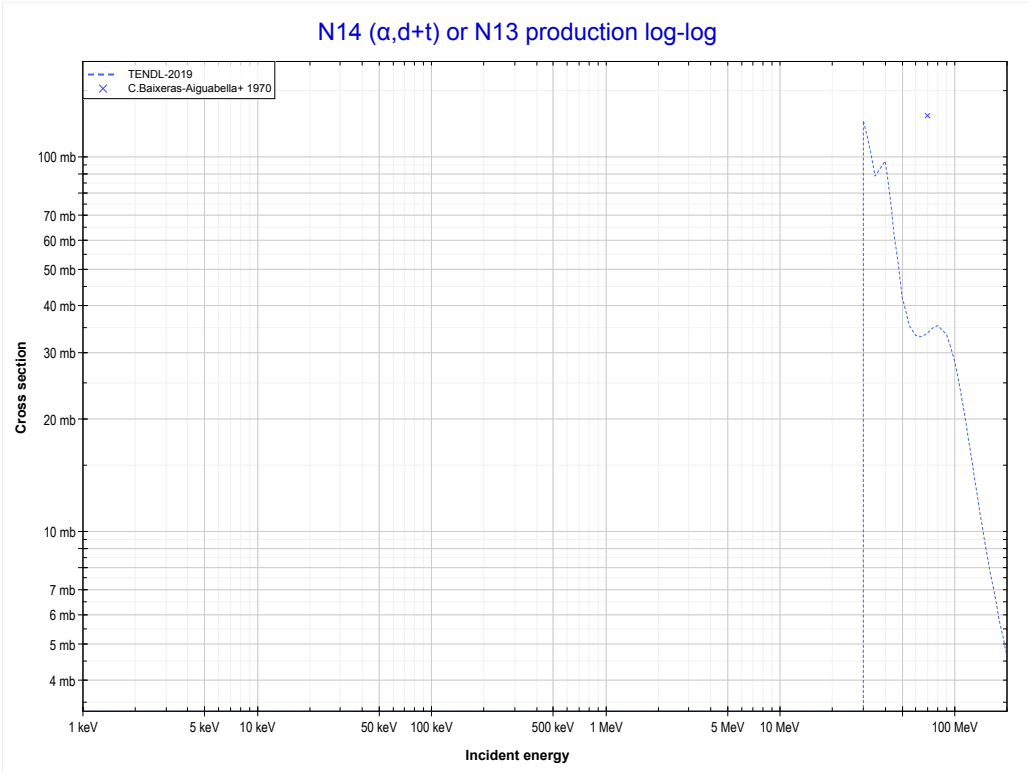
Reaction	Q-Value
N14($\alpha,n+\alpha$)N13	-10553.38 keV
N14($\alpha,d+t$)N13	-28142.68 keV
N14($\alpha,n+p+t$)N13	-30367.25 keV
N14($\alpha,2n+\text{He3}$)N13	-31131.00 keV
N14($\alpha,n+2d$)N13	-34399.91 keV
N14($\alpha,2n+p+d$)N13	-36624.47 keV
N14($\alpha,3n+2p$)N13	-38849.04 keV

	7-N-14	40-Zr-90 >>
<< MT179 ($\alpha,3n+2p$)	MT181 ($\alpha,3n+p+\alpha$) or MT5 (C10 production)	MT182 ($\alpha,d+t$) >>



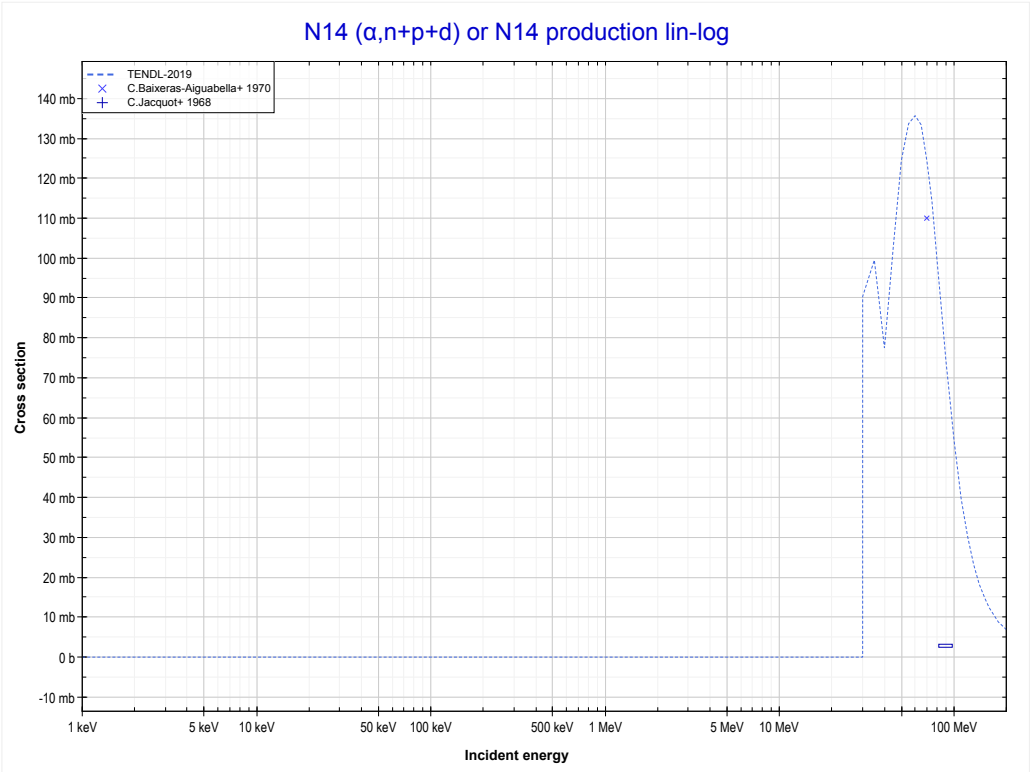
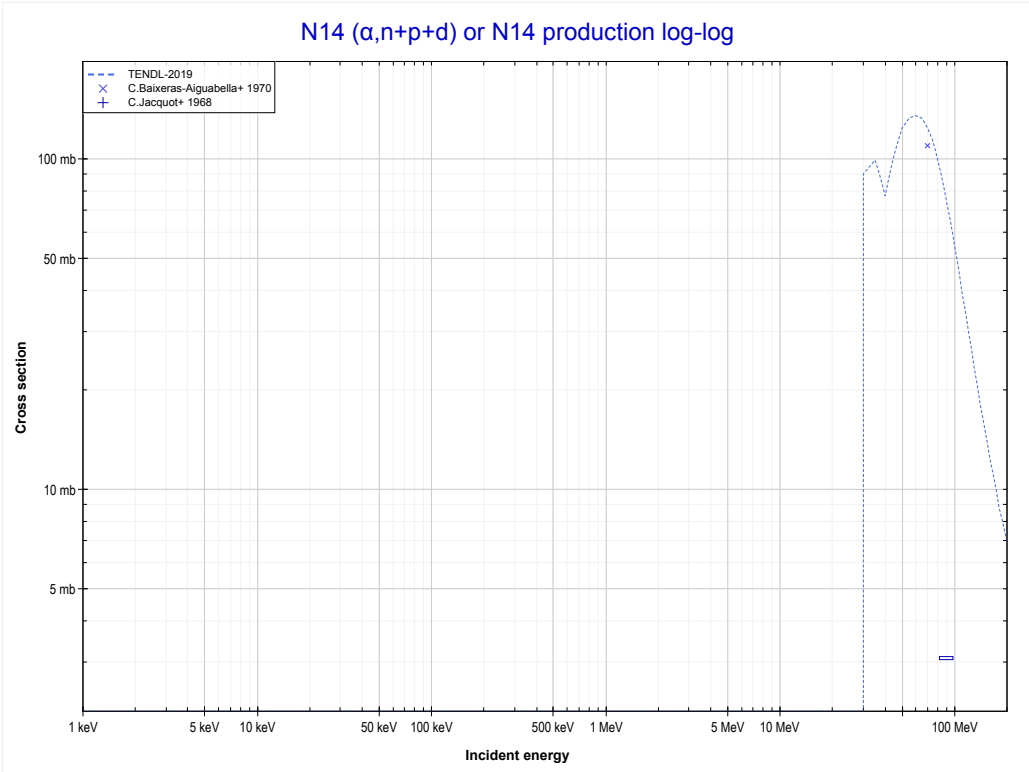
Reaction	Q-Value	Reaction	Q-Value
N14($\alpha,n+t+\alpha$)C10	-35856.38 keV	N14($\alpha,3n+d+He3$)C10	-62691.23 keV
N14($\alpha,2n+d+\alpha$)C10	-42113.61 keV	N14($\alpha,3n+2p+t$)C10	-64152.04 keV
N14($\alpha,3n+p+\alpha$)C10	-44338.18 keV	N14($\alpha,4n+p+He3$)C10	-64915.79 keV
N14($\alpha,d+2t$)C10	-53445.68 keV	N14($\alpha,2n+3d$)C10	-65960.14 keV
N14($\alpha,n+p+2t$)C10	-55670.25 keV	N14($\alpha,3n+p+2d$)C10	-68184.70 keV
N14($\alpha,2n+t+He3$)C10	-56434.00 keV	N14($\alpha,4n+2p+d$)C10	-70409.27 keV
N14($\alpha,n+2d+t$)C10	-59702.91 keV	N14($\alpha,5n+3p$)C10	-72633.84 keV
N14($\alpha,2n+p+d+t$)C10	-61927.47 keV		

<< 6-C-12	7-N-14	8-O-16 >>
<< MT181 ($\alpha,3n+p+\alpha$)	MT182 ($\alpha,d+t$) or MT5 (N13 production)	MT183 ($\alpha,n+p+d$) >>



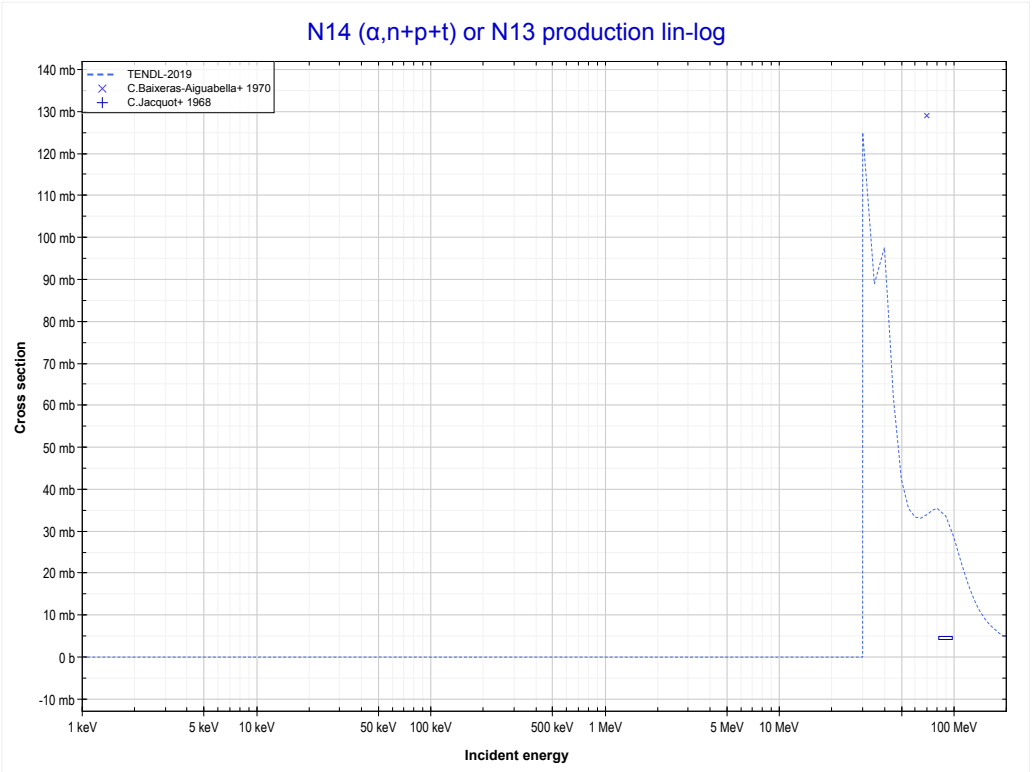
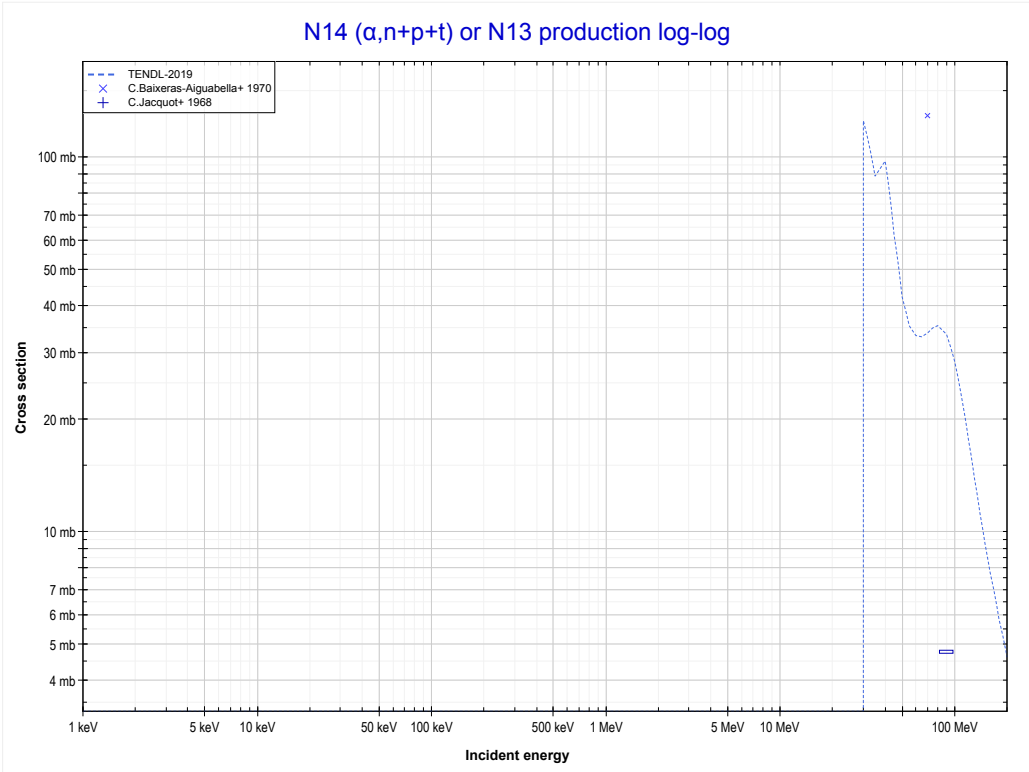
Reaction	Q-Value
N14($\alpha,n+\alpha$)N13	-10553.38 keV
N14($\alpha,d+t$)N13	-28142.68 keV
N14($\alpha,n+p+t$)N13	-30367.25 keV
N14($\alpha,2n+He3$)N13	-31131.00 keV
N14($\alpha,n+2d$)N13	-34399.91 keV
N14($\alpha,2n+p+d$)N13	-36624.47 keV
N14($\alpha,3n+2p$)N13	-38849.04 keV

<< 6-C-12	7-N-14	
<< MT182 (α,d+t)	MT183 (α,n+p+d) or MT5 (N14 production)	MT184 (α,n+p+t) >>



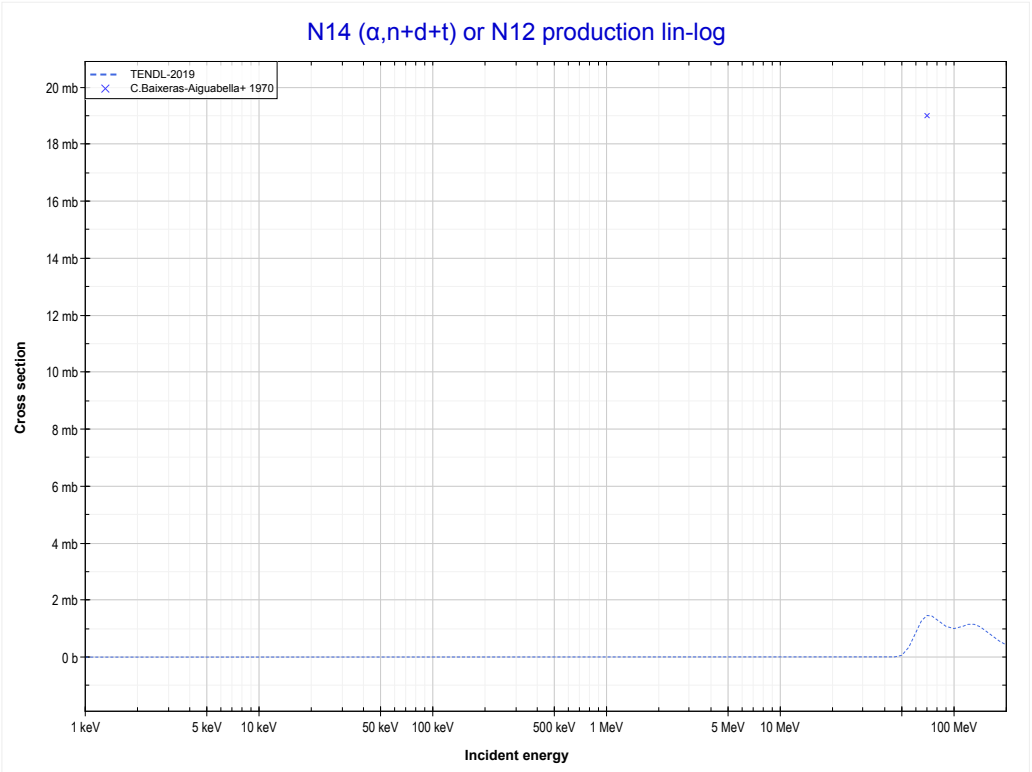
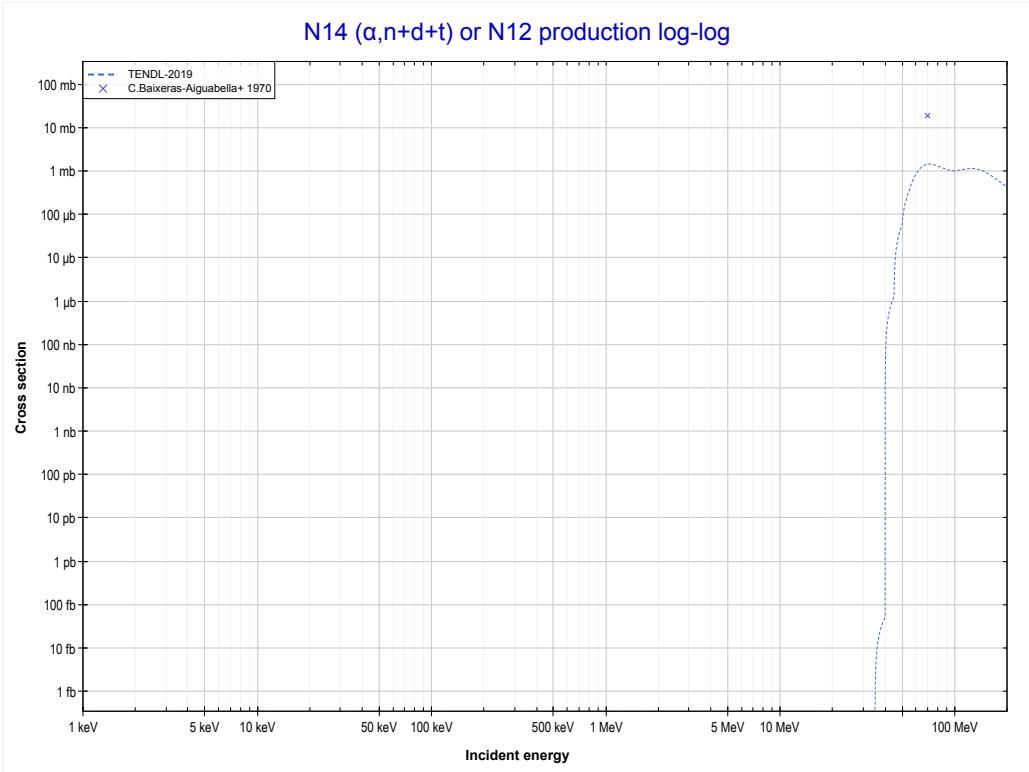
Reaction	Q-Value
N14(α,α)N14	0.00 keV
N14(α,p+t)N14	-19813.86 keV
N14(α,n+He3)N14	-20577.62 keV
N14(α,2d)N14	-23846.53 keV
N14(α,n+p+d)N14	-26071.09 keV
N14(α,2n+2p)N14	-28295.66 keV

<< 6-C-12	7-N-14	8-O-16 >>
<< MT183 ($\alpha,n+p+d$)	MT184 ($\alpha,n+p+t$) or MT5 (N13 production)	MT185 ($\alpha,n+d+t$) >>



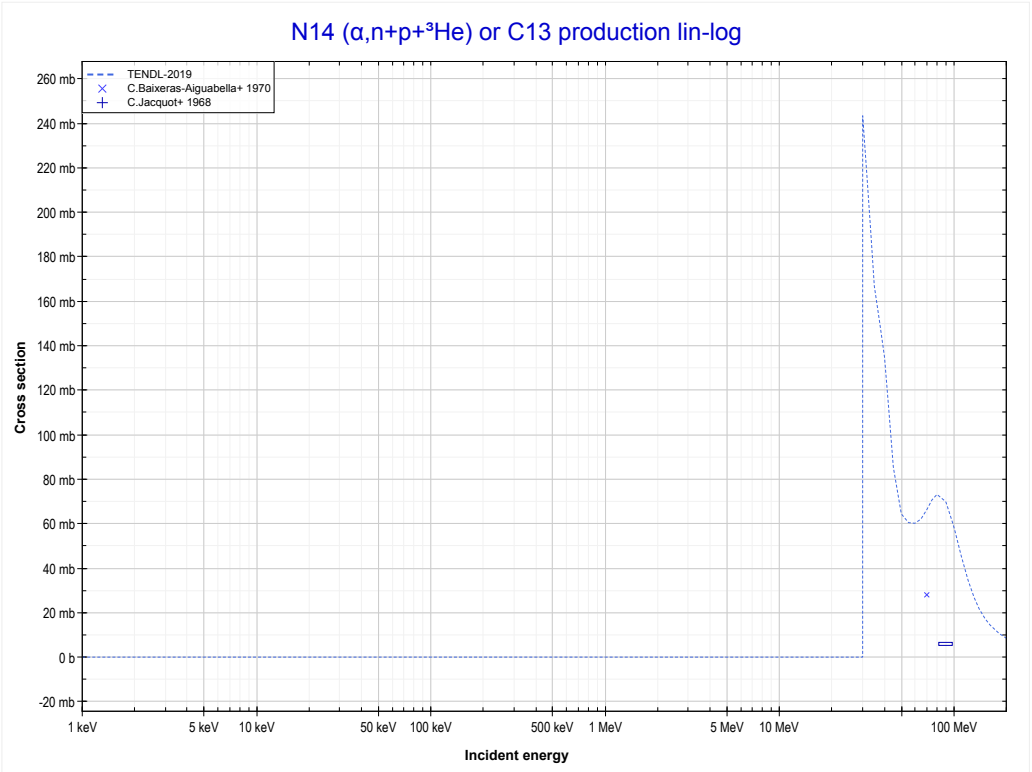
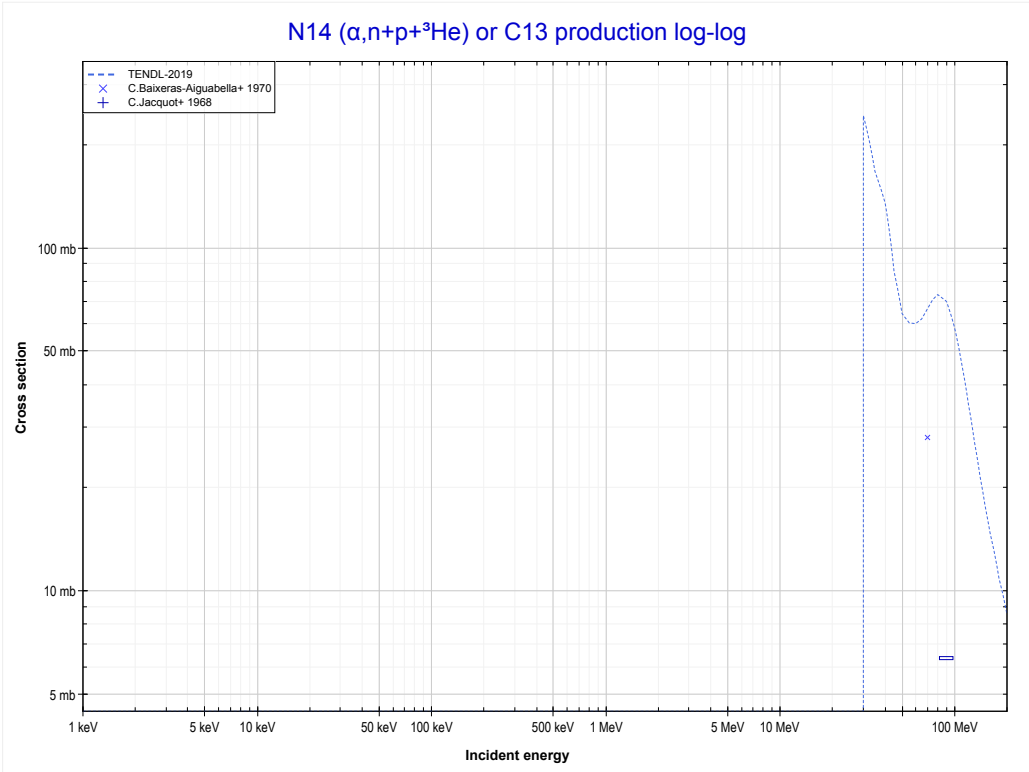
Reaction	Q-Value
N14($\alpha,n+\alpha$)N13	-10553.38 keV
N14($\alpha,d+t$)N13	-28142.68 keV
N14($\alpha,n+p+t$)N13	-30367.25 keV
N14($\alpha,2n+He3$)N13	-31131.00 keV
N14($\alpha,n+2d$)N13	-34399.91 keV
N14($\alpha,2n+p+d$)N13	-36624.47 keV
N14($\alpha,3n+2p$)N13	-38849.04 keV

<< 6-C-12	7-N-14	21-Sc-45 >>
<< MT184 (α,n+p+t)	MT185 (α,n+d+t) or MT5 (N12 production)	MT186 (α,n+p+ ³ He) >>



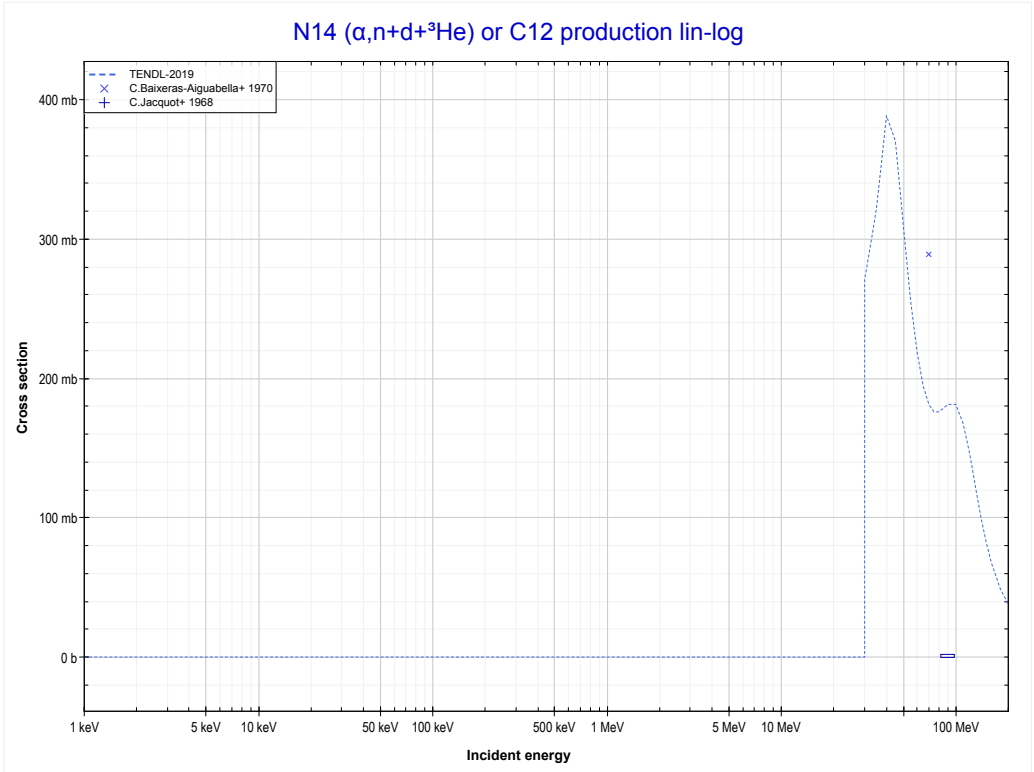
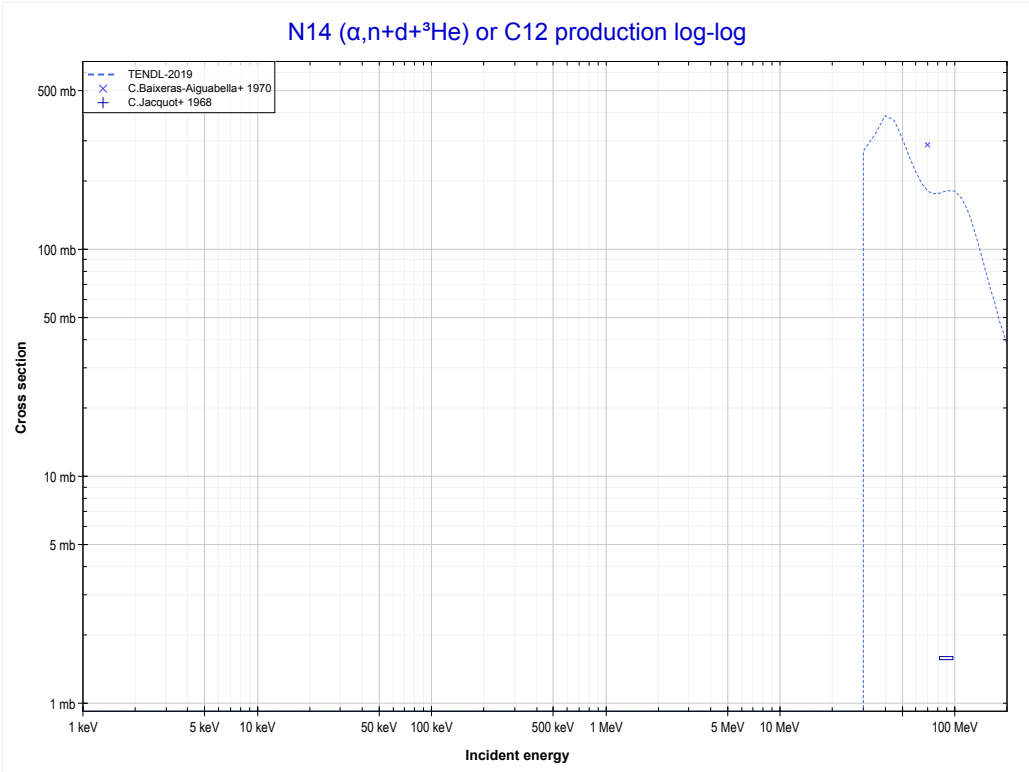
Reaction	Q-Value
N14(α,2n+α)N12	-30617.32 keV
N14(α,2t)N12	-41949.39 keV
N14(α,n+d+t)N12	-48206.62 keV
N14(α,2n+p+t)N12	-50431.18 keV
N14(α,3n+He3)N12	-51194.94 keV
N14(α,2n+2d)N12	-54463.85 keV
N14(α,3n+p+d)N12	-56688.41 keV
N14(α,4n+2p)N12	-58912.98 keV

<< 6-C-12	7-N-14	14-Si-29 >>
<< MT185 ($\alpha,n+d+t$)	MT186 ($\alpha,n+p+^3\text{He}$) or MT5 (C13 production)	MT187 ($\alpha,n+d+^3\text{He}$) >>



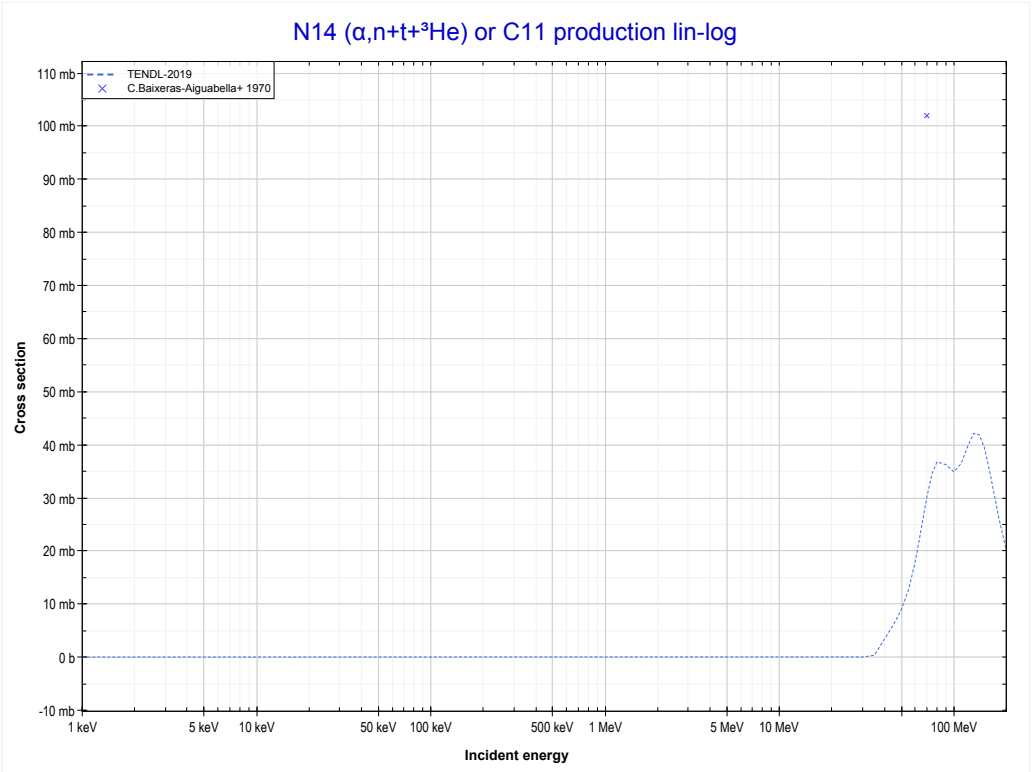
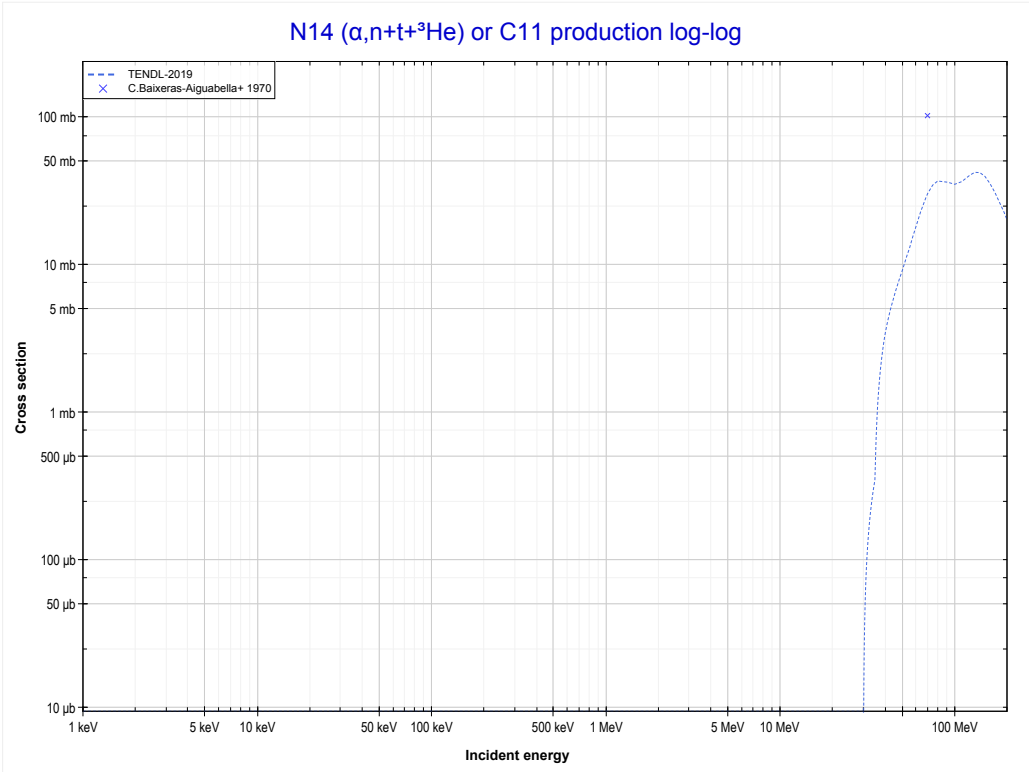
Reaction	Q-Value
N14($\alpha,p+\alpha$)C13	-7550.56 keV
N14($\alpha,d+^3\text{He}$)C13	-25903.62 keV
N14($\alpha,2p+t$)C13	-27364.43 keV
N14($\alpha,n+p+^3\text{He}$)C13	-28128.18 keV
N14($\alpha,p+2d$)C13	-31397.09 keV
N14($\alpha,n+2p+d$)C13	-33621.66 keV
N14($\alpha,2n+3p$)C13	-35846.22 keV

<< 6-C-12	7-N-14	20-Ca-44 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT187 ($\alpha,n+d+^3\text{He}$) or MT5 (C12 production)	MT188 ($\alpha,n+t+^3\text{He}$) >>



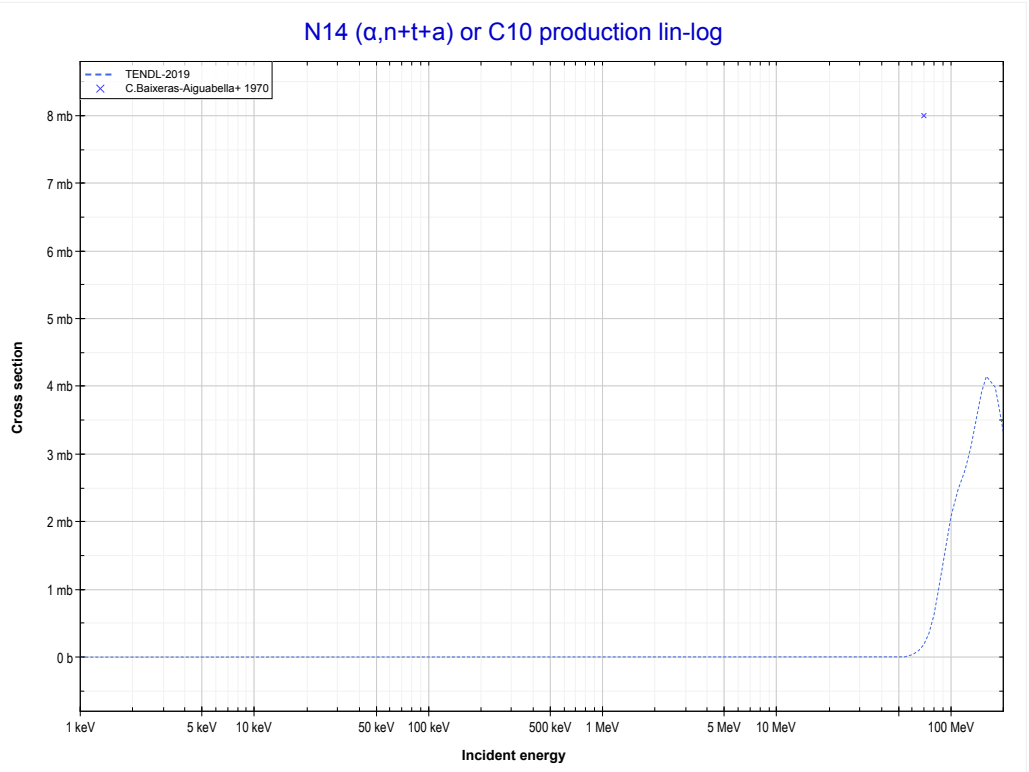
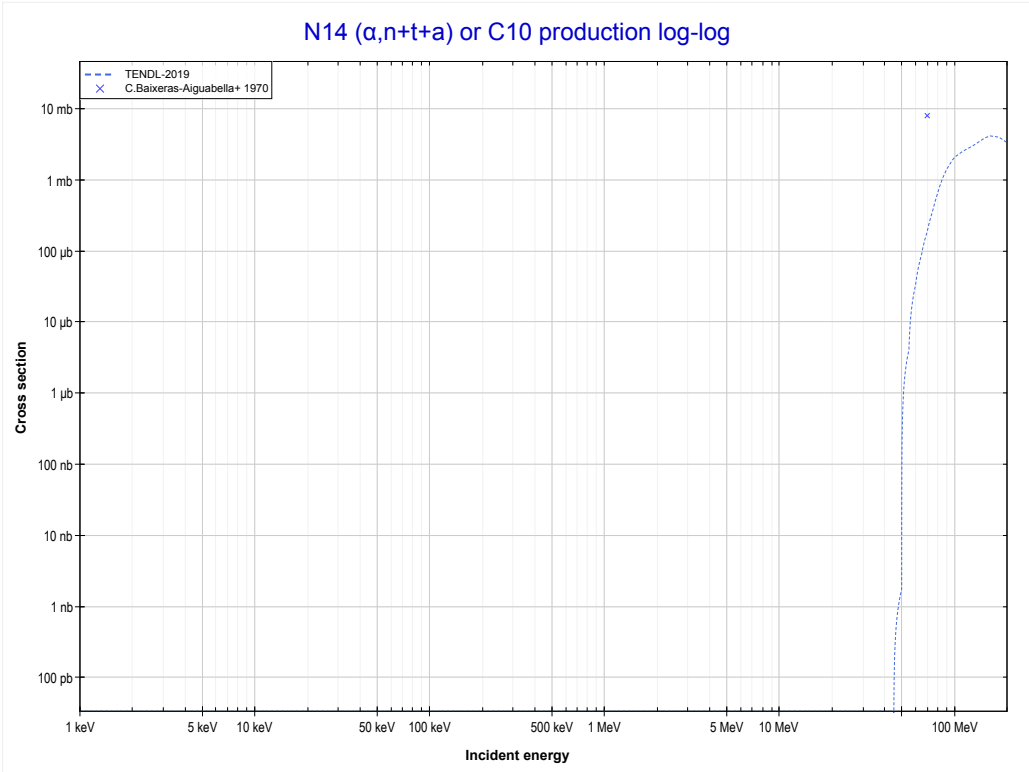
Reaction	Q-Value	Reaction	Q-Value
N14($\alpha,d+\alpha$)C12	-10272.31 keV	N14($\alpha,n+p+2d$)C12	-36343.40 keV
N14($\alpha,n+p+\alpha$)C12	-12496.87 keV	N14($\alpha,2n+2p+d$)C12	-38567.96 keV
N14($\alpha,t+\text{He3}$)C12	-24592.70 keV	N14($\alpha,3n+3p$)C12	-40792.53 keV
N14($\alpha,p+d+t$)C12	-30086.17 keV		
N14($\alpha,n+d+\text{He3}$)C12	-30849.92 keV		
N14($\alpha,n+2p+t$)C12	-32310.74 keV		
N14($\alpha,2n+p+\text{He3}$)C12	-33074.49 keV		
N14($\alpha,3d$)C12	-34118.83 keV		

	7-N-14	28-Ni-58 >>
<< MT187 (α ,n+d+ ^3He)	MT188 (α ,n+t+ ^3He) or MT5 (C11 production)	MT189 (α ,n+t+a) >>



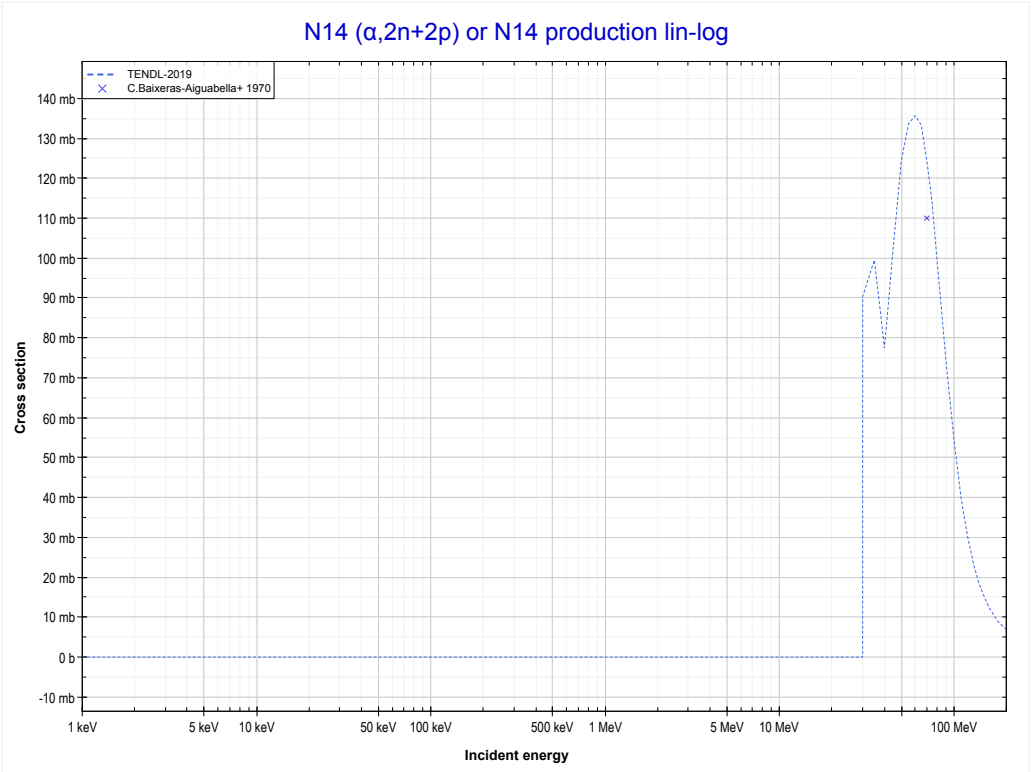
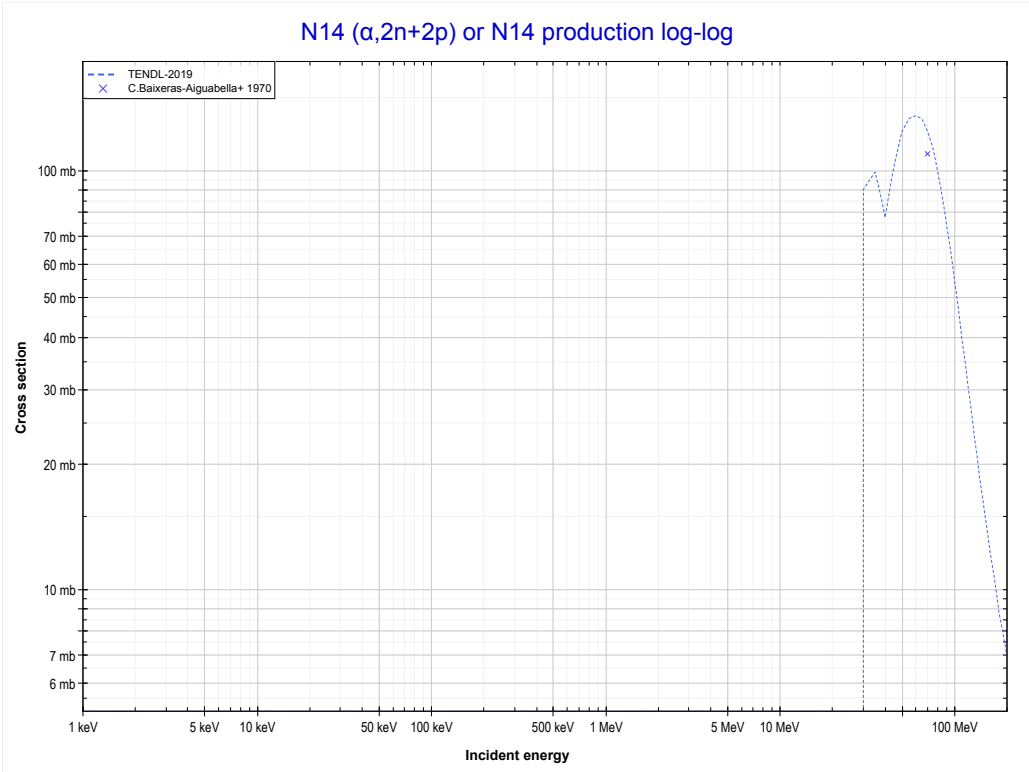
Reaction	Q-Value	Reaction	Q-Value
N14(α ,t+ α)C11	-22735.79 keV	N14(α ,2n+2p+t)C11	-51031.45 keV
N14(α ,n+d+ α)C11	-28993.02 keV	N14(α ,3n+p+He3)C11	-51795.21 keV
N14(α ,2n+p+ α)C11	-31217.59 keV	N14(α ,n+3d)C11	-52839.55 keV
N14(α ,p+2t)C11	-42549.66 keV	N14(α ,2n+p+2d)C11	-55064.12 keV
N14(α ,n+t+He3)C11	-43313.41 keV	N14(α ,3n+2p+d)C11	-57288.68 keV
N14(α ,2d+t)C11	-46582.32 keV	N14(α ,4n+3p)C11	-59513.25 keV
N14(α ,n+p+d+t)C11	-48806.89 keV		
N14(α ,2n+d+He3)C11	-49570.64 keV		

	7-N-14	40-Zr-90 >>
<< MT188 ($\alpha,n+t+^3\text{He}$)	MT189 ($\alpha,n+t+a$) or MT5 (C10 production)	MT190 ($\alpha,2n+2p$) >>



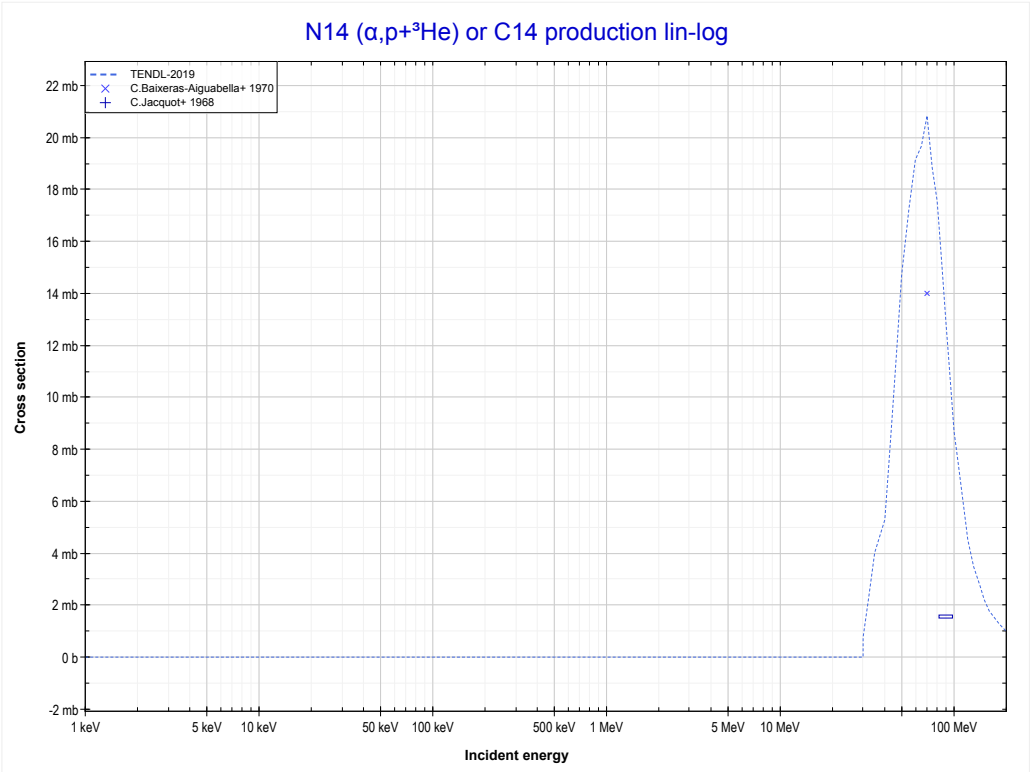
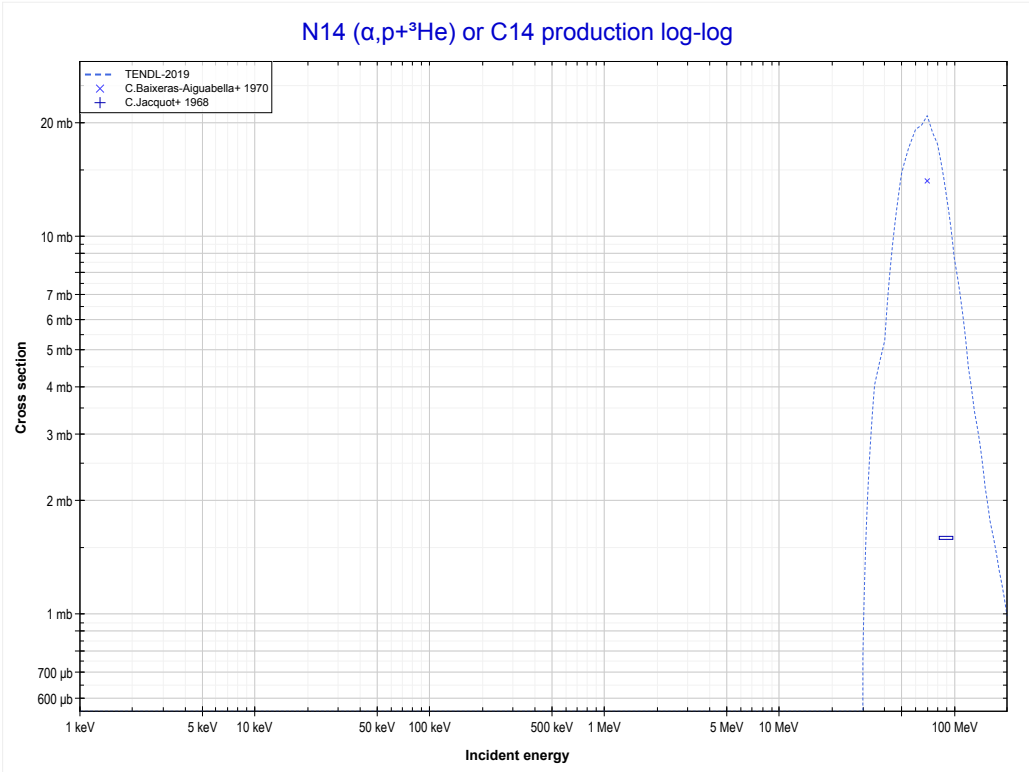
Reaction	Q-Value	Reaction	Q-Value
N14($\alpha,n+t+\alpha$)C10	-35856.38 keV	N14($\alpha,3n+d+\text{He3}$)C10	-62691.23 keV
N14($\alpha,2n+d+\alpha$)C10	-42113.61 keV	N14($\alpha,3n+2p+t$)C10	-64152.04 keV
N14($\alpha,3n+p+\alpha$)C10	-44338.18 keV	N14($\alpha,4n+p+\text{He3}$)C10	-64915.79 keV
N14($\alpha,d+2t$)C10	-53445.68 keV	N14($\alpha,2n+3d$)C10	-65960.14 keV
N14($\alpha,n+p+2t$)C10	-55670.25 keV	N14($\alpha,3n+p+2d$)C10	-68184.70 keV
N14($\alpha,2n+t+\text{He3}$)C10	-56434.00 keV	N14($\alpha,4n+2p+d$)C10	-70409.27 keV
N14($\alpha,n+2d+t$)C10	-59702.91 keV	N14($\alpha,5n+3p$)C10	-72633.84 keV
N14($\alpha,2n+p+d+t$)C10	-61927.47 keV		

<< 6-C-12	7-N-14	
<< MT189 (α ,n+t+a)	MT190 (α ,2n+2p) or MT5 (N14 production)	MT191 (α ,p+ ^3He) >>



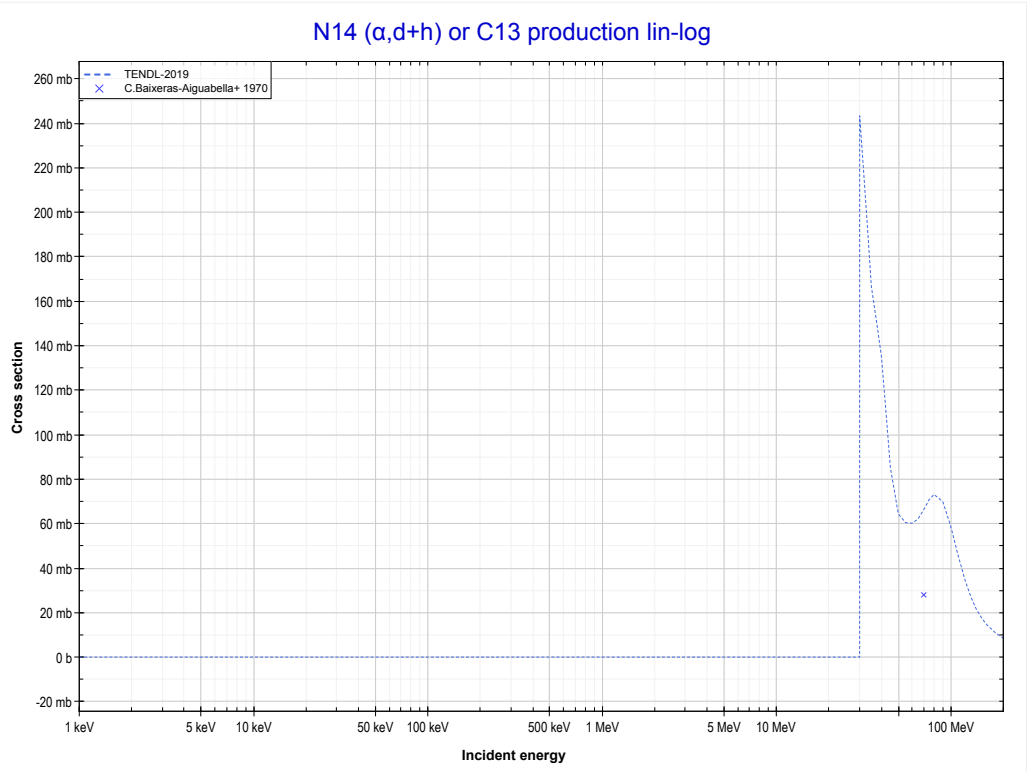
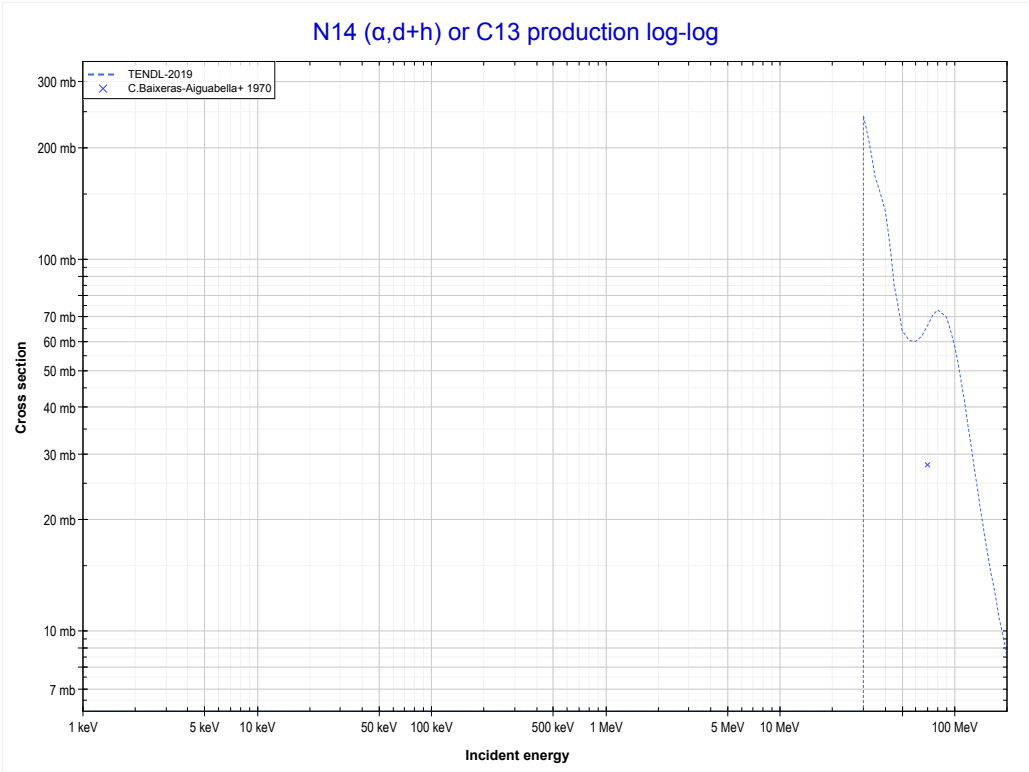
Reaction	Q-Value
N14(α , α)N14	0.00 keV
N14(α ,p+t)N14	-19813.86 keV
N14(α ,n+He3)N14	-20577.62 keV
N14(α ,2d)N14	-23846.53 keV
N14(α ,n+p+d)N14	-26071.09 keV
N14(α ,2n+2p)N14	-28295.66 keV

<< 6-C-12	7-N-14	12-Mg-24 >>
<< MT190 ($\alpha,2n+2p$)	MT191 ($\alpha,p+^3\text{He}$) or MT5 (C14 production)	MT192 ($\alpha,d+^3\text{He}$) >>



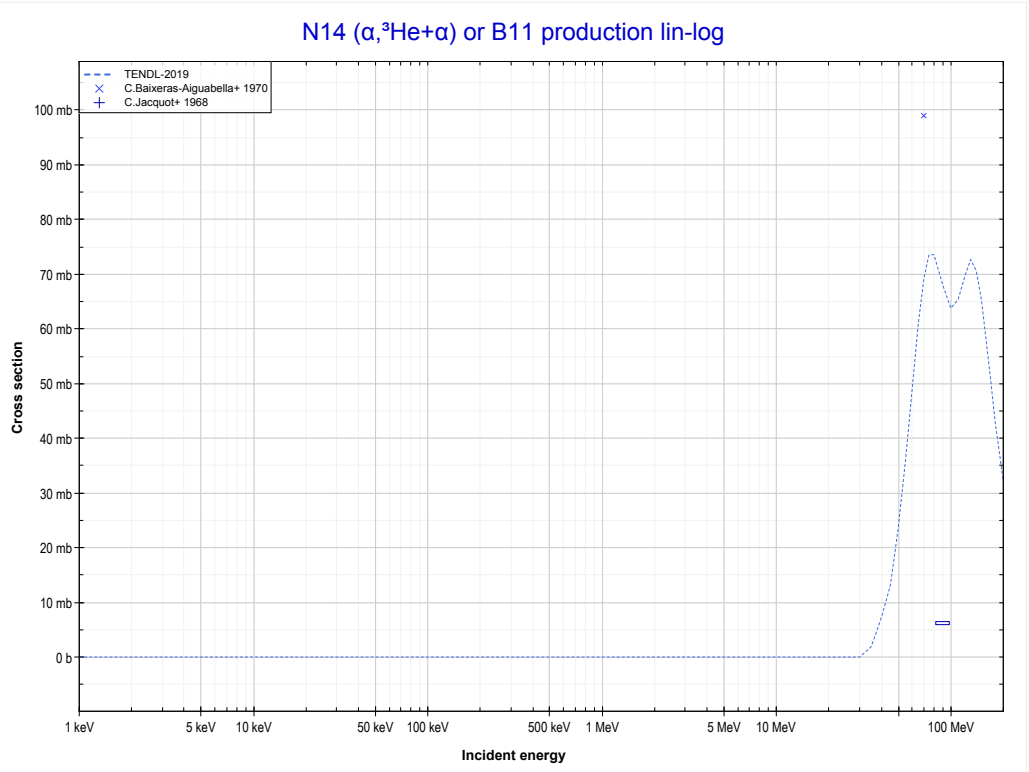
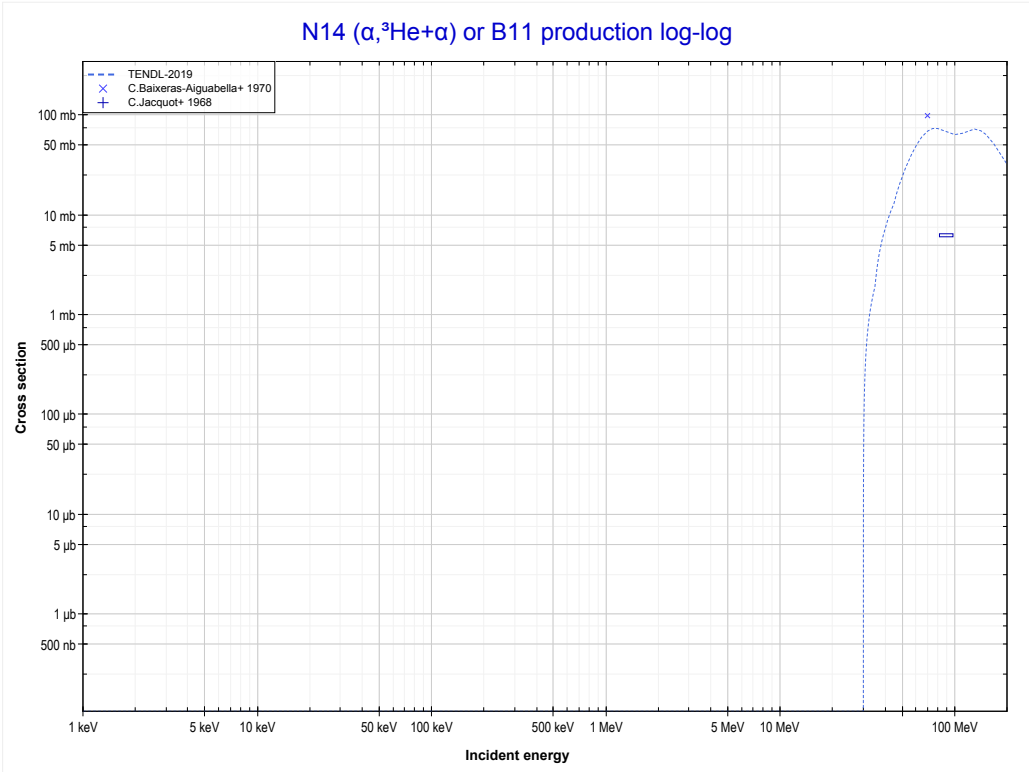
Reaction	Q-Value
N14($\alpha,p+^3\text{He}$)C14	-19951.75 keV
N14($\alpha,2p+d$)C14	-25445.22 keV
N14($\alpha,n+3p$)C14	-27669.79 keV

<< 6-C-12	7-N-14	14-Si-29 >>
<< MT191 (α ,p+ ^3He)	MT192 (α ,d+ ^3He) or MT5 (C13 production)	MT193 (α , ^3He + α) >>



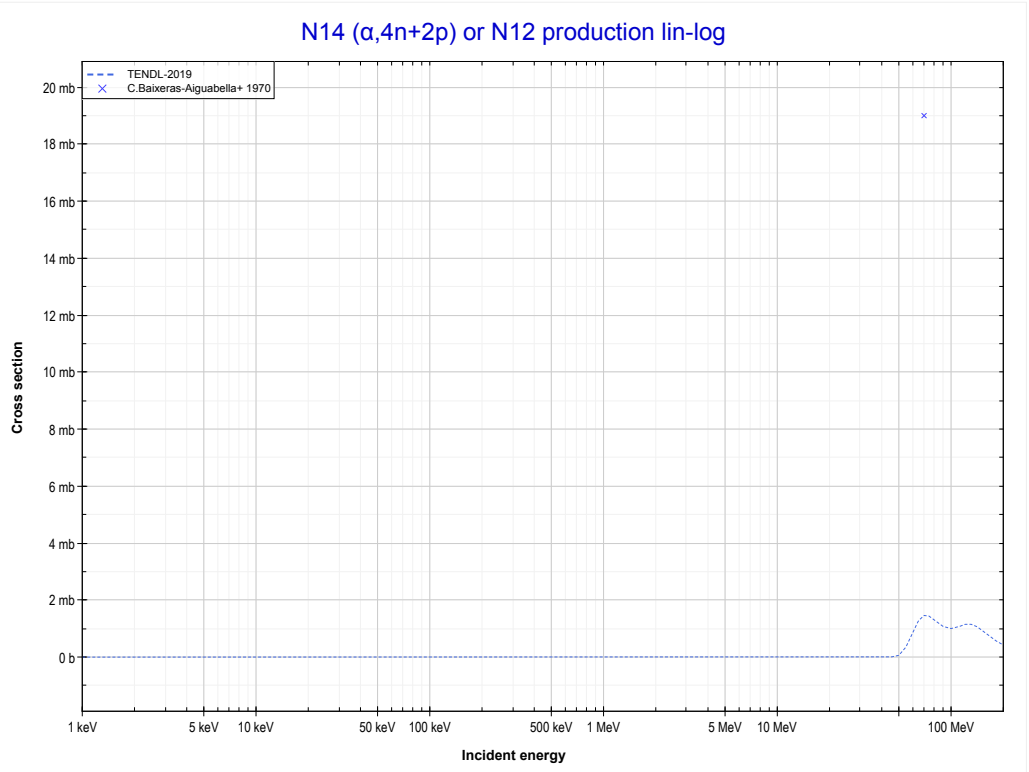
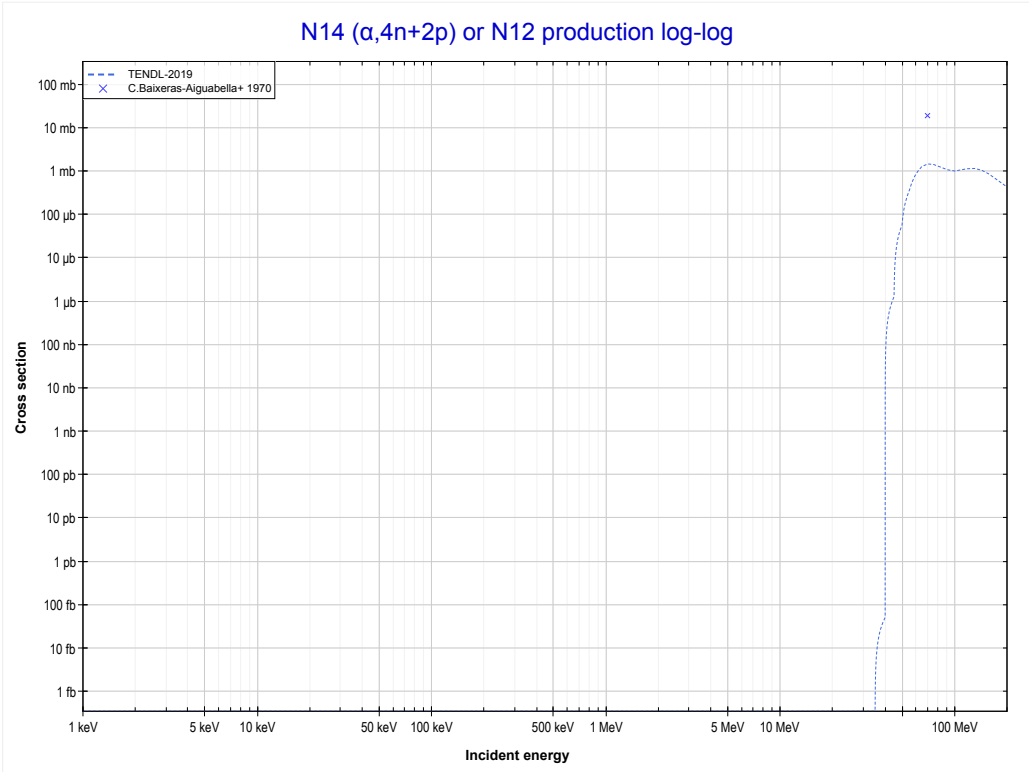
Reaction	Q-Value
N14(α ,p+ α)C13	-7550.56 keV
N14(α ,d+He3)C13	-25903.62 keV
N14(α ,2p+t)C13	-27364.43 keV
N14(α ,n+p+He3)C13	-28128.18 keV
N14(α ,p+2d)C13	-31397.09 keV
N14(α ,n+2p+d)C13	-33621.66 keV
N14(α ,2n+3p)C13	-35846.22 keV

<< 6-C-12	7-N-14	13-Al-27 >>
<< MT192 ($\alpha, d+^3\text{He}$)	MT193 ($\alpha, ^3\text{He}+\alpha$) or MT5 (B11 production)	MT194 ($\alpha, 4n+2p$) >>



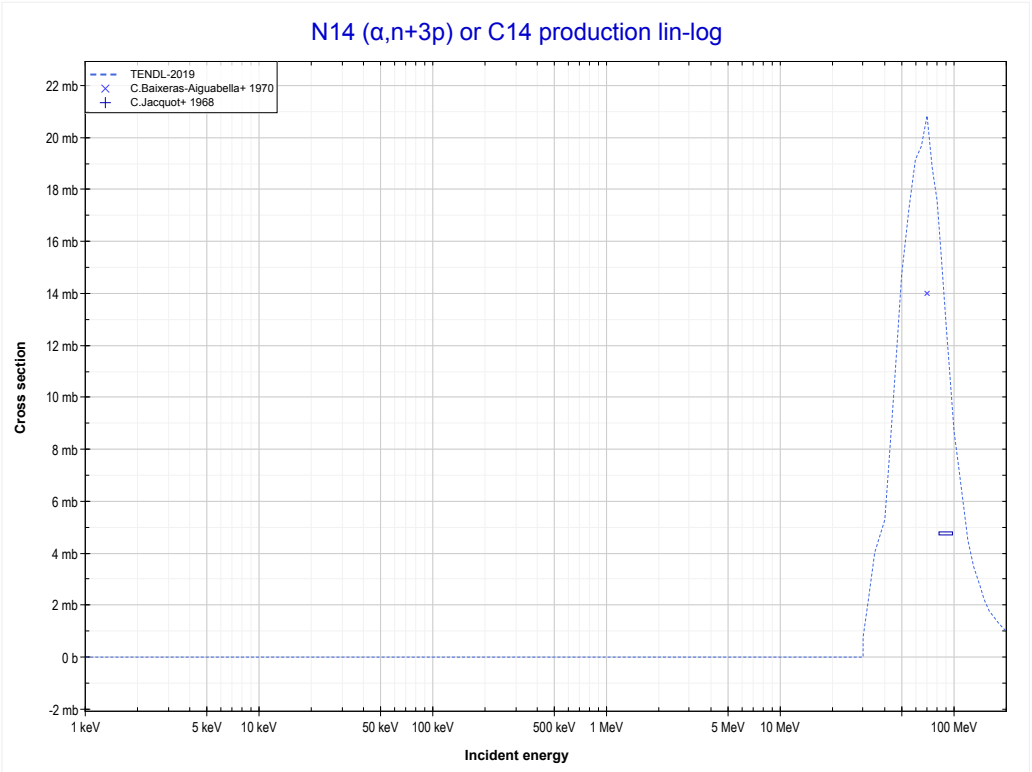
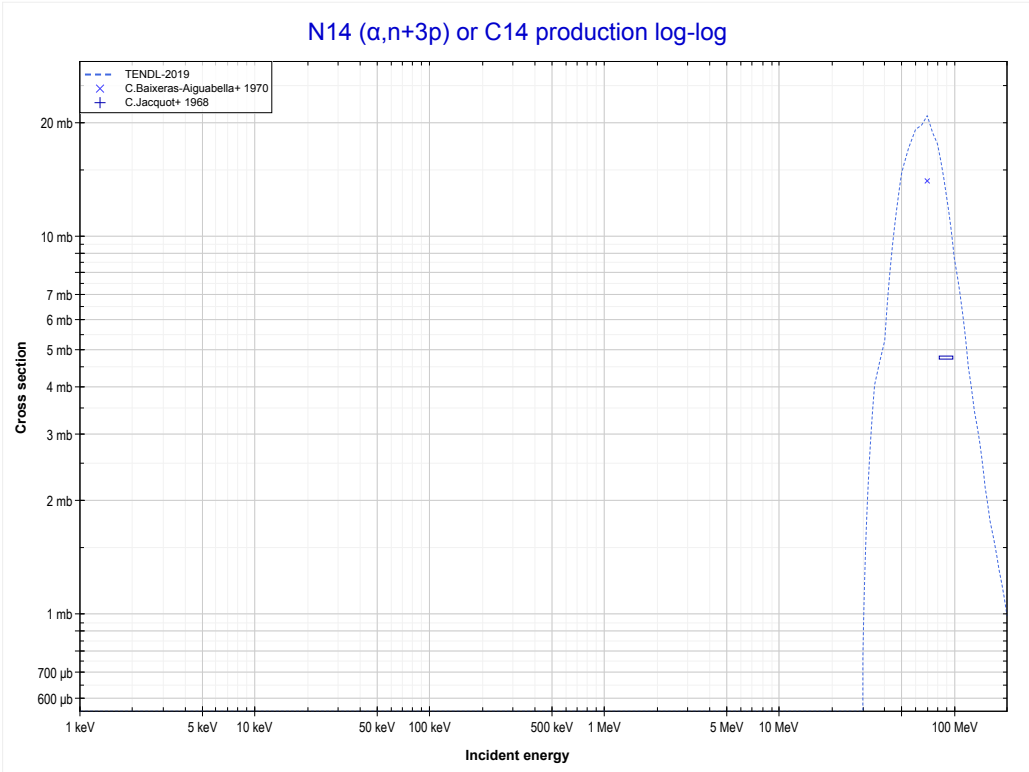
Reaction	Q-Value	Reaction	Q-Value
N14($\alpha, \text{He3}+\alpha$)B11	-20735.51 keV	N14($\alpha, n+3p+t$)B11	-48267.41 keV
N14($\alpha, p+d+\alpha$)B11	-26228.98 keV	N14($\alpha, 2n+2p+\text{He3}$)B11	-49031.17 keV
N14($\alpha, n+2p+\alpha$)B11	-28453.55 keV	N14($\alpha, p+3d$)B11	-50075.51 keV
N14($\alpha, p+t+\text{He3}$)B11	-40549.37 keV	N14($\alpha, n+2p+2d$)B11	-52300.08 keV
N14($\alpha, n+2\text{He3}$)B11	-41313.13 keV	N14($\alpha, 2n+3p+d$)B11	-54524.64 keV
N14($\alpha, 2d+\text{He3}$)B11	-44582.04 keV	N14($\alpha, 3n+4p$)B11	-56749.21 keV
N14($\alpha, 2p+d+t$)B11	-46042.85 keV		
N14($\alpha, n+p+d+\text{He3}$)B11	-46806.60 keV		

<< 6-C-12	7-N-14	21-Sc-45 >>
<< MT193 (α , $^3\text{He}+\alpha$)	MT194 (α ,4n+2p) or MT5 (N12 production)	MT198 (α ,n+3p) >>



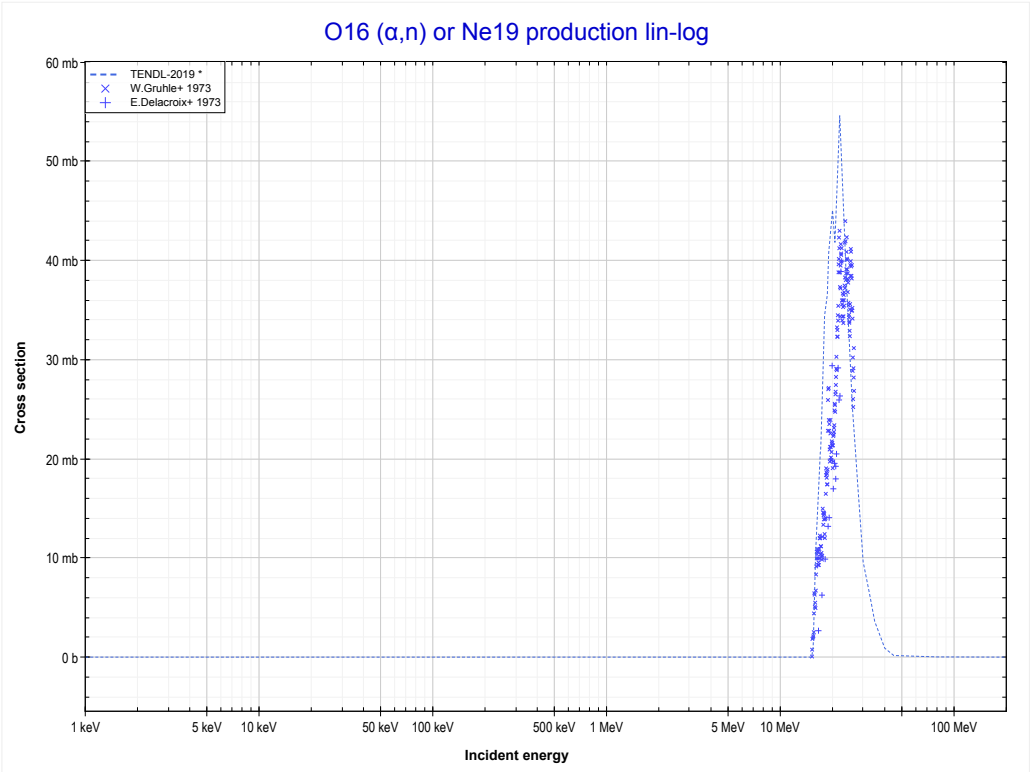
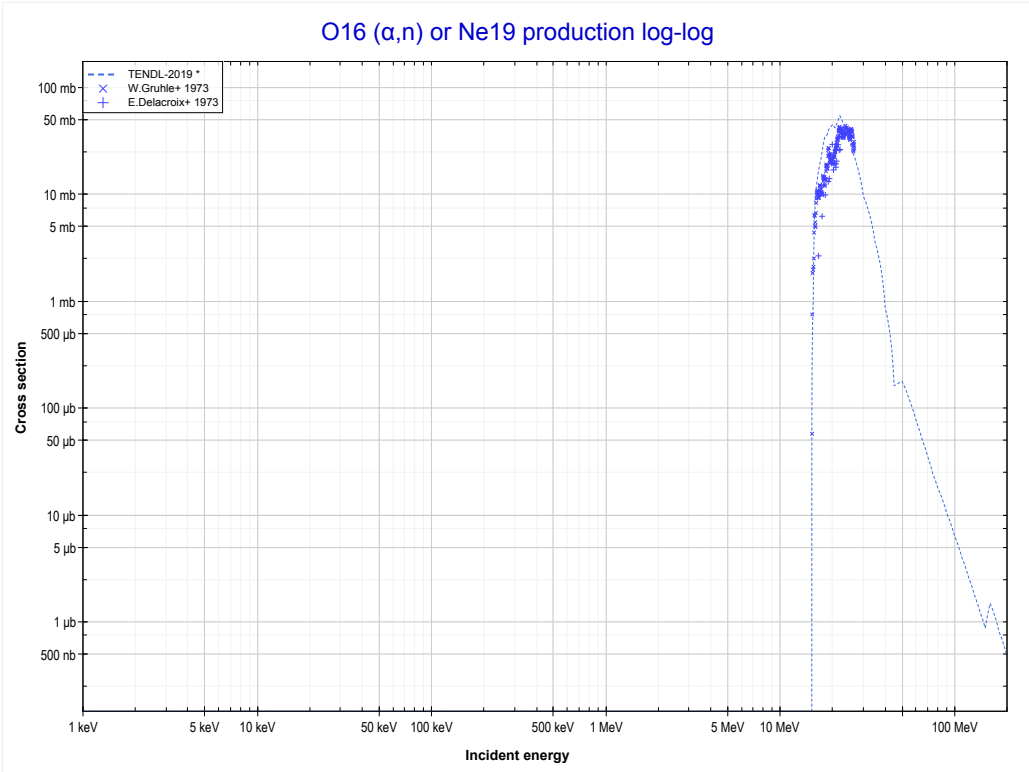
Reaction	Q-Value
N14(α ,2n+ α)N12	-30617.32 keV
N14(α ,2t)N12	-41949.39 keV
N14(α ,n+d+t)N12	-48206.62 keV
N14(α ,2n+p+t)N12	-50431.18 keV
N14(α ,3n+He3)N12	-51194.94 keV
N14(α ,2n+2d)N12	-54463.85 keV
N14(α ,3n+p+d)N12	-56688.41 keV
N14(α ,4n+2p)N12	-58912.98 keV

<< 6-C-12	7-N-14	12-Mg-24 >>
<< MT194 ($\alpha,4n+2p$)	MT198 ($\alpha,n+3p$) or MT5 (C14 production)	8-O-16 MT4 (α,n) >>



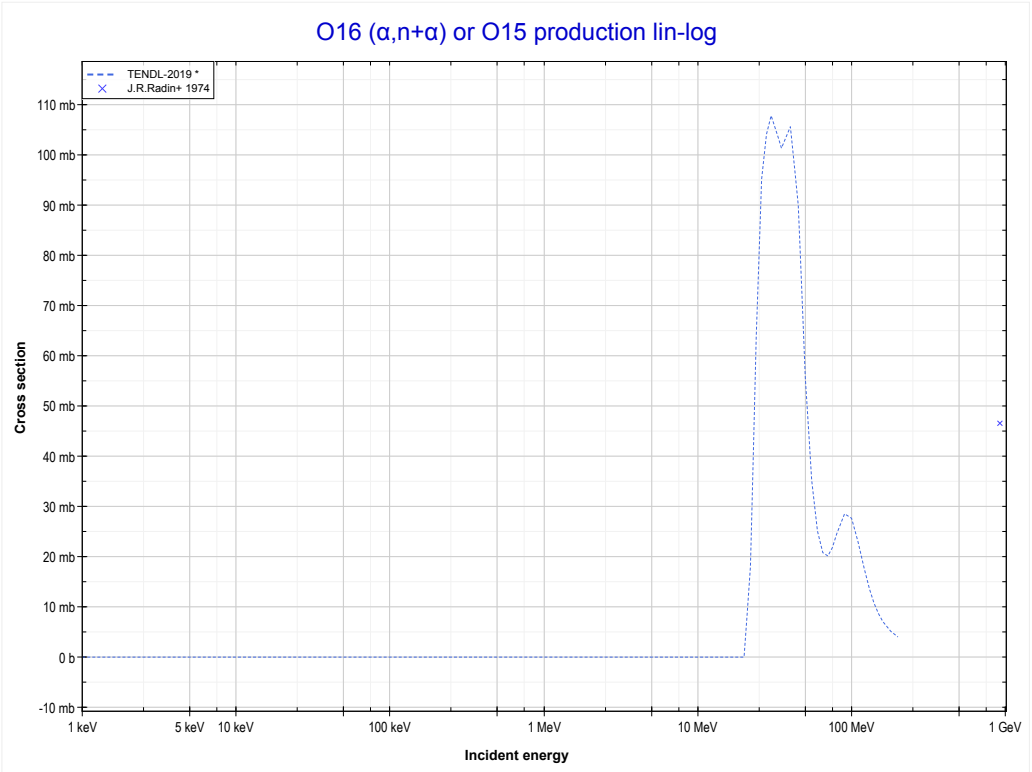
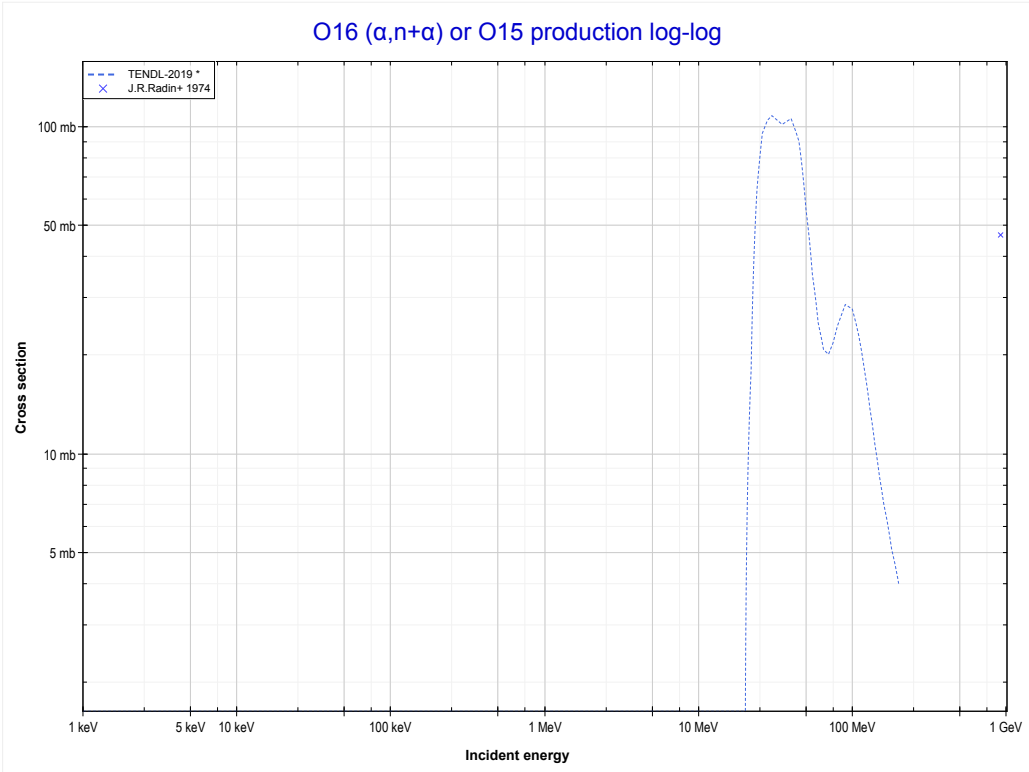
Reaction	Q-Value
N14($\alpha,p+He3$)C14	-19951.75 keV
N14($\alpha,2p+d$)C14	-25445.22 keV
N14($\alpha,n+3p$)C14	-27669.79 keV

<< 7-N-14	8-O-16	8-O-17 >>
<< 7-N-14 MT198 (α ,n+3p)	MT4 (α ,n) or MT5 (Ne19 production)	MT22 (α ,n+ α) >>



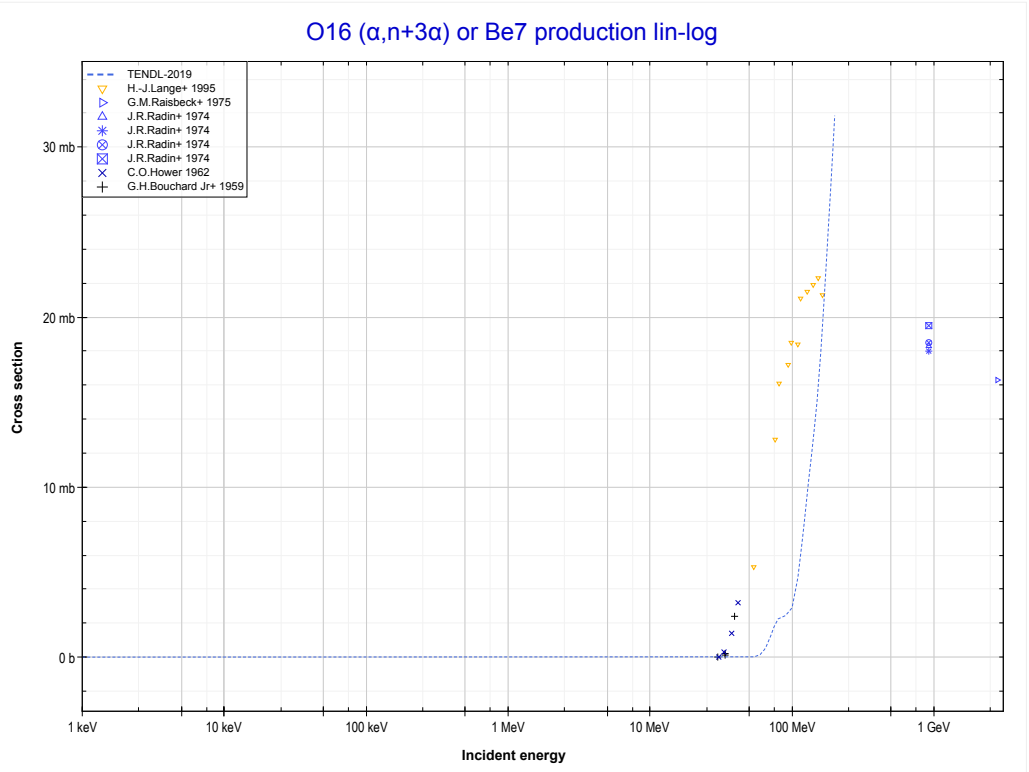
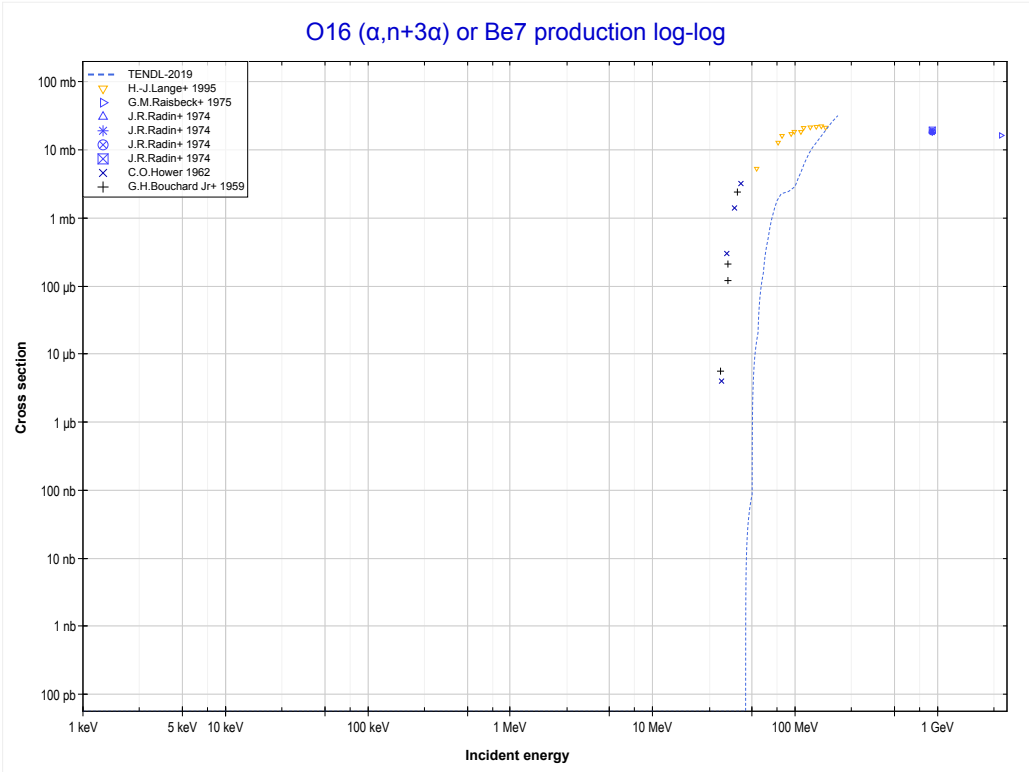
Reaction	Q-Value
O16(α ,n)Ne19	-12135.45 keV

<< 7-N-14	8-O-16	12-Mg-24 >>
<< MT4 (α,n)	MT22 (α,n+α) or MT5 (O15 production)	MT23 (α,n+3α) >>



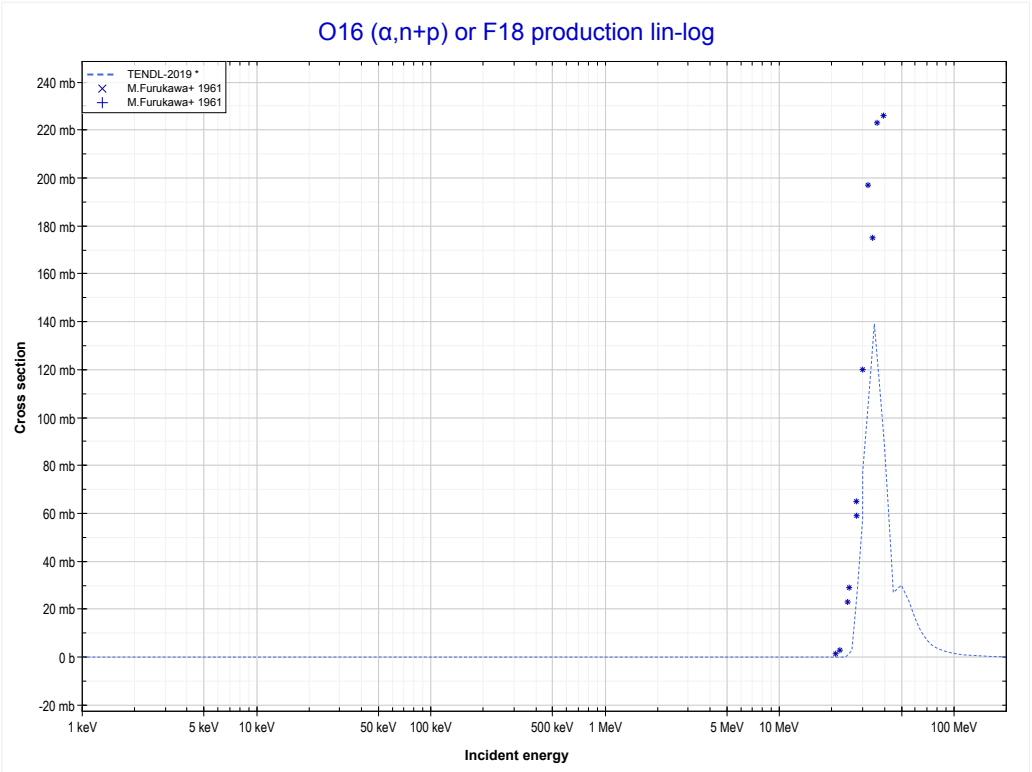
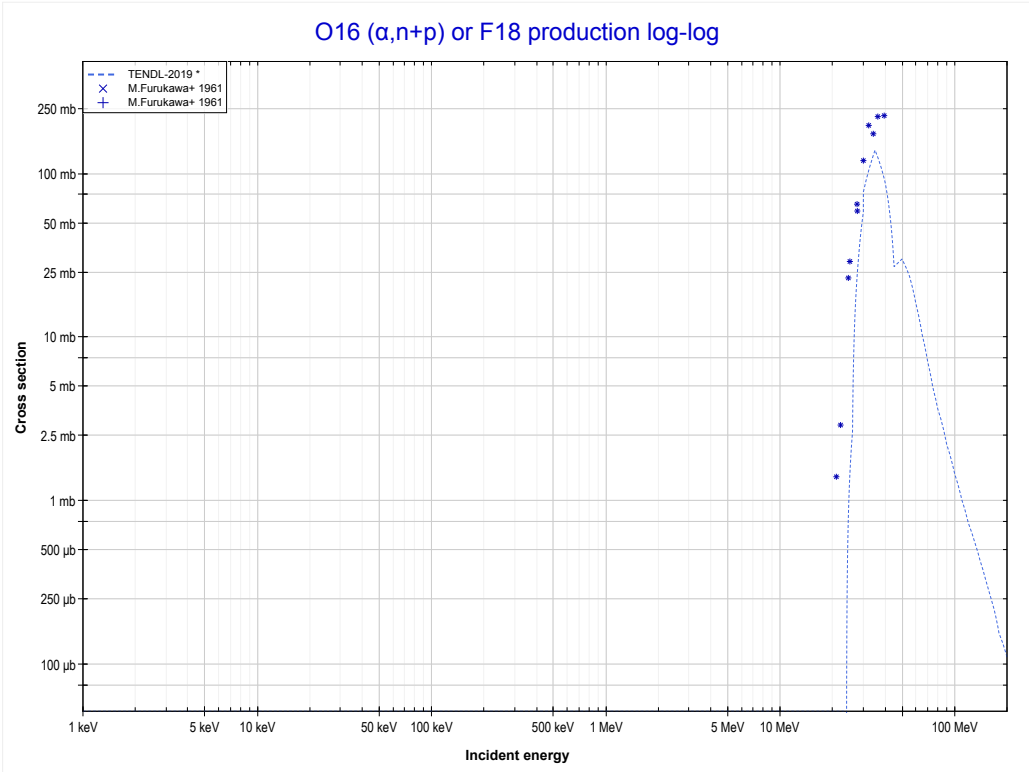
Reaction	Q-Value
O16(α,n+α)O15	-15663.92 keV
O16(α,d+t)O15	-33253.22 keV
O16(α,n+p+t)O15	-35477.78 keV
O16(α,2n+He3)O15	-36241.54 keV
O16(α,n+2d)O15	-39510.45 keV
O16(α,2n+p+d)O15	-41735.01 keV
O16(α,3n+2p)O15	-43959.58 keV

<< 6-C-12	8-O-16	13-Al-27 >>
<< MT22 ($\alpha,n+\alpha$)	MT23 ($\alpha,n+3\alpha$) or MT5 (Be7 production)	MT28 ($\alpha,n+p$) >>



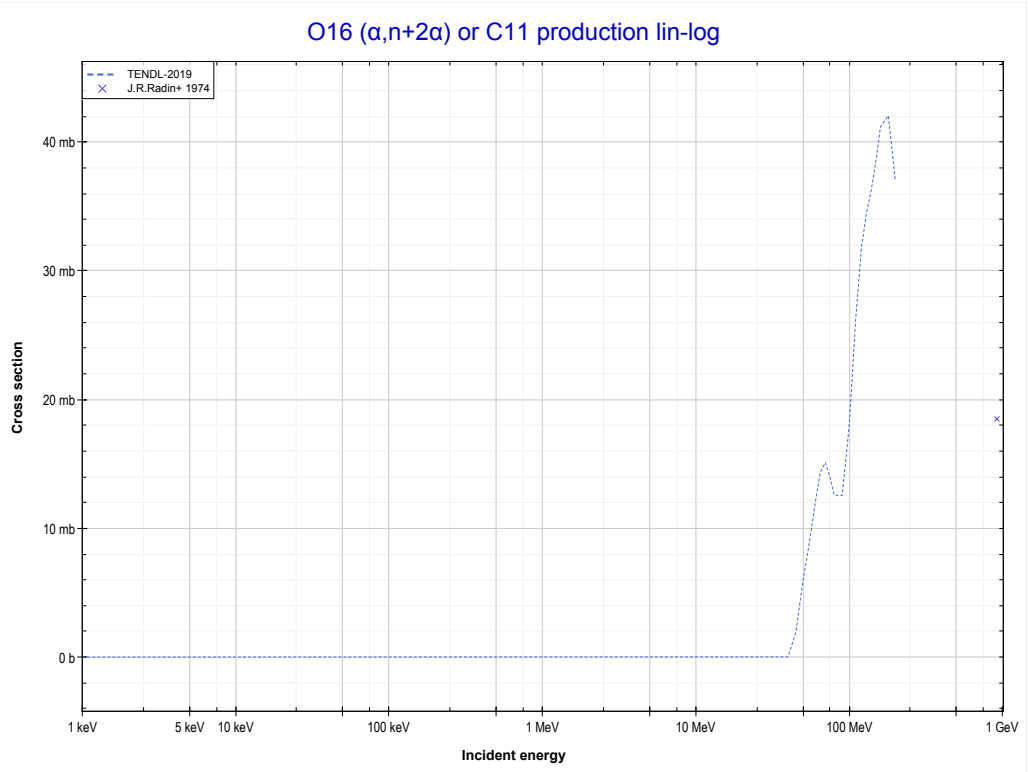
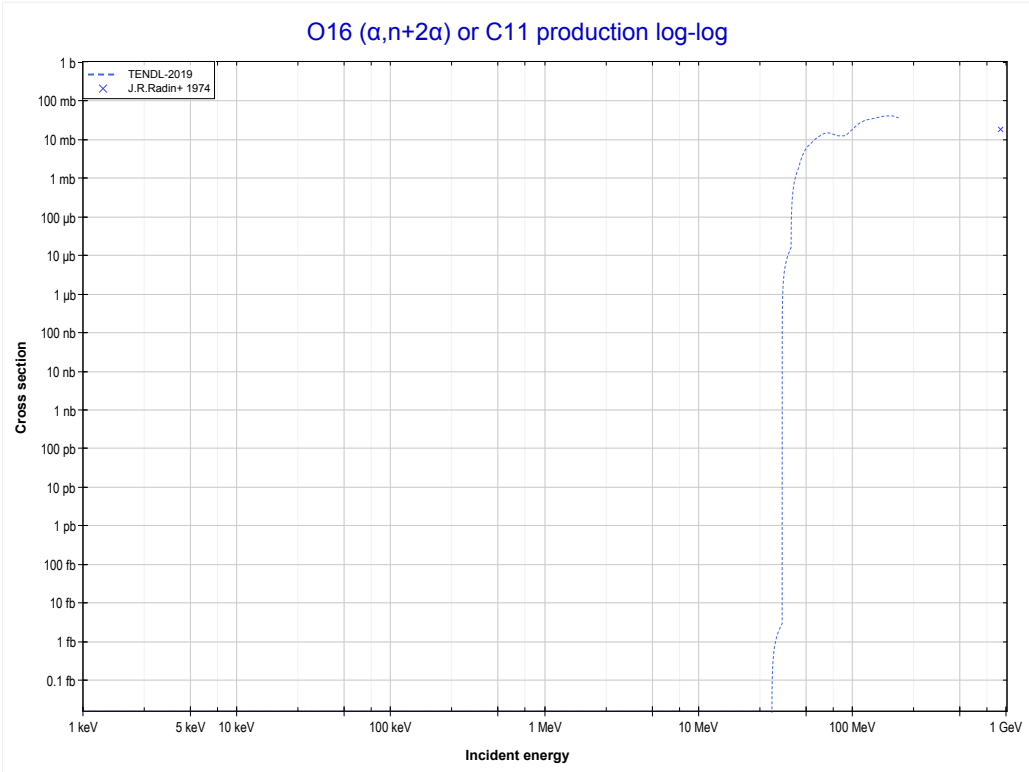
Reaction	Q-Value	Reaction	Q-Value
O16($\alpha,n+3\alpha$)Be7	-33427.15 keV	O16($\alpha,p+d+2t+\alpha$)Be7	-70830.31 keV
O16($\alpha,d+t+2\alpha$)Be7	-51016.45 keV	O16($\alpha,n+d+t+\text{He3}+\alpha$)Be7	-71594.07 keV
O16($\alpha,n+p+t+2\alpha$)Be7	-53241.01 keV	O16($\alpha,n+2p+2t+\alpha$)Be7	-73054.88 keV
O16($\alpha,2n+\text{He3}+2\alpha$)Be7	-54004.77 keV	O16($\alpha,2n+p+t+\text{He3}+\alpha$)Be7	-73818.63 keV
O16($\alpha,n+2d+2\alpha$)Be7	-57273.68 keV	O16($\alpha,3n+2\text{He3}+\alpha$)Be7	-74582.39 keV
O16($\alpha,2n+p+d+2\alpha$)Be7	-59498.24 keV	O16($\alpha,3d+t+\alpha$)Be7	-74862.98 keV
O16($\alpha,3n+2p+2\alpha$)Be7	-61722.81 keV	O16($\alpha,n+p+2d+t+\alpha$)Be7	-77087.54 keV
O16($\alpha,2t+\text{He3}+\alpha$)Be7	-65336.84 keV	O16($\alpha,2n+2d+\text{He3}+\alpha$)Be7	-77851.30 keV

<< 7-N-14	8-O-16	14-Si-28 >>
<< MT23 ($\alpha,n+3\alpha$)	MT28 ($\alpha,n+p$) or MT5 (F18 production)	MT29 ($\alpha,n+2\alpha$) >>



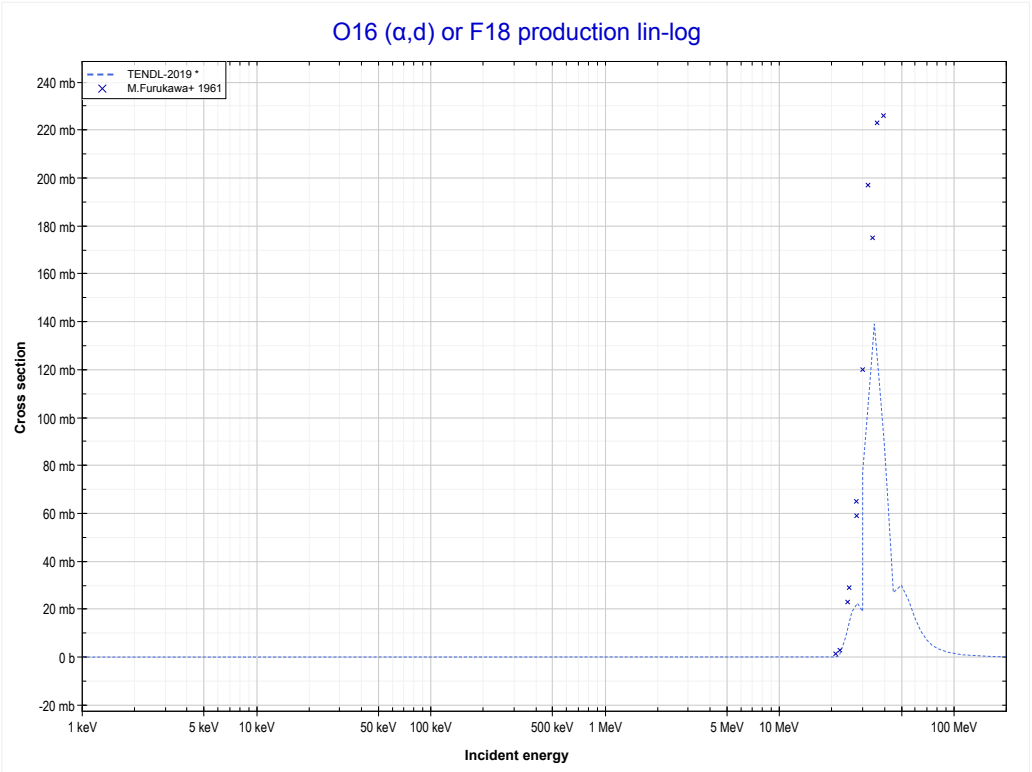
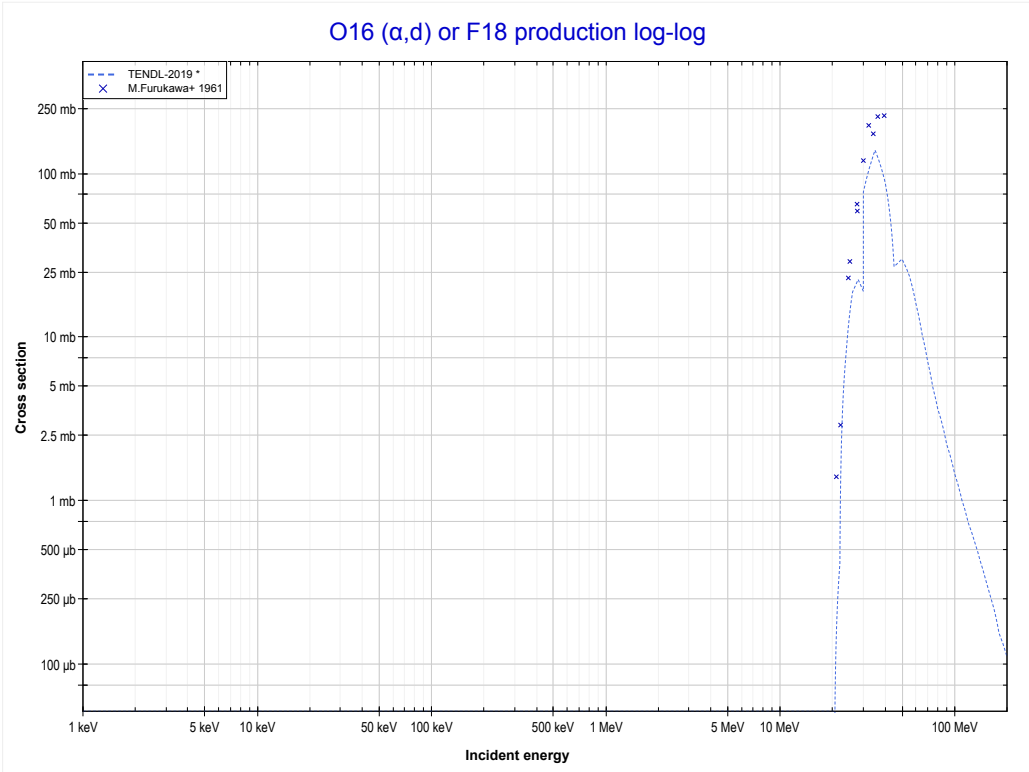
Reaction	Q-Value
O16(α,d)F18	-16320.91 keV
O16($\alpha,n+p$)F18	-18545.47 keV

<< 6-C-12	8-O-16	13-Al-27 >>
<< MT28 (α,n+p)	MT29 (α,n+2α) or MT5 (C11 production)	MT104 (α,d) >>



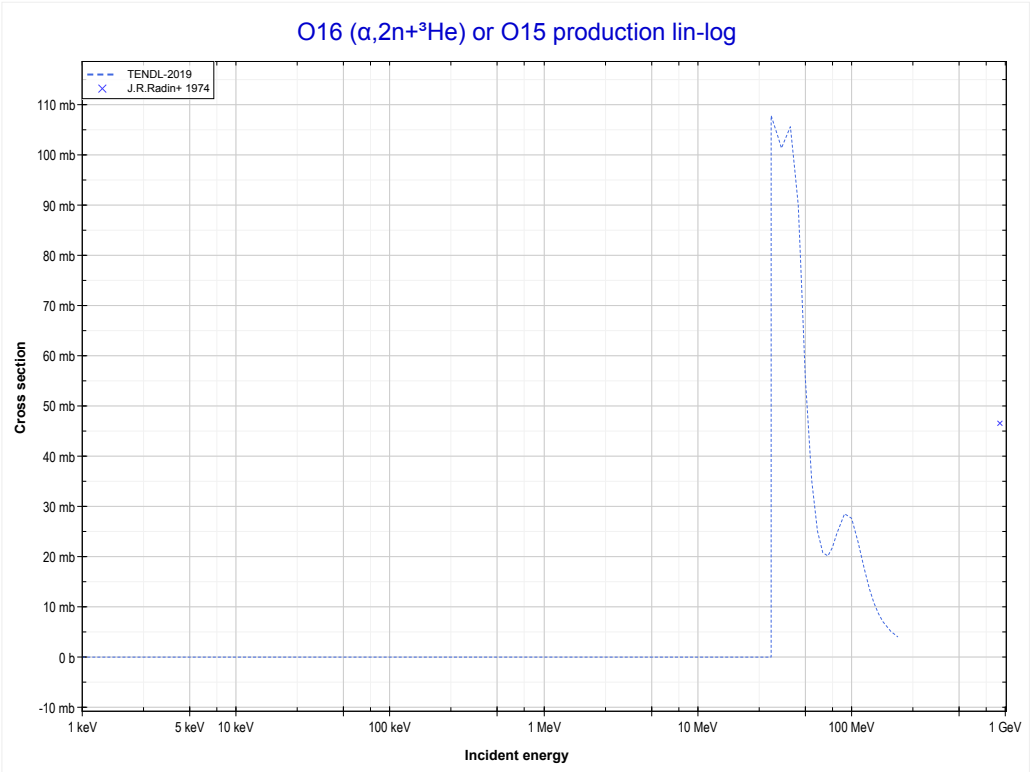
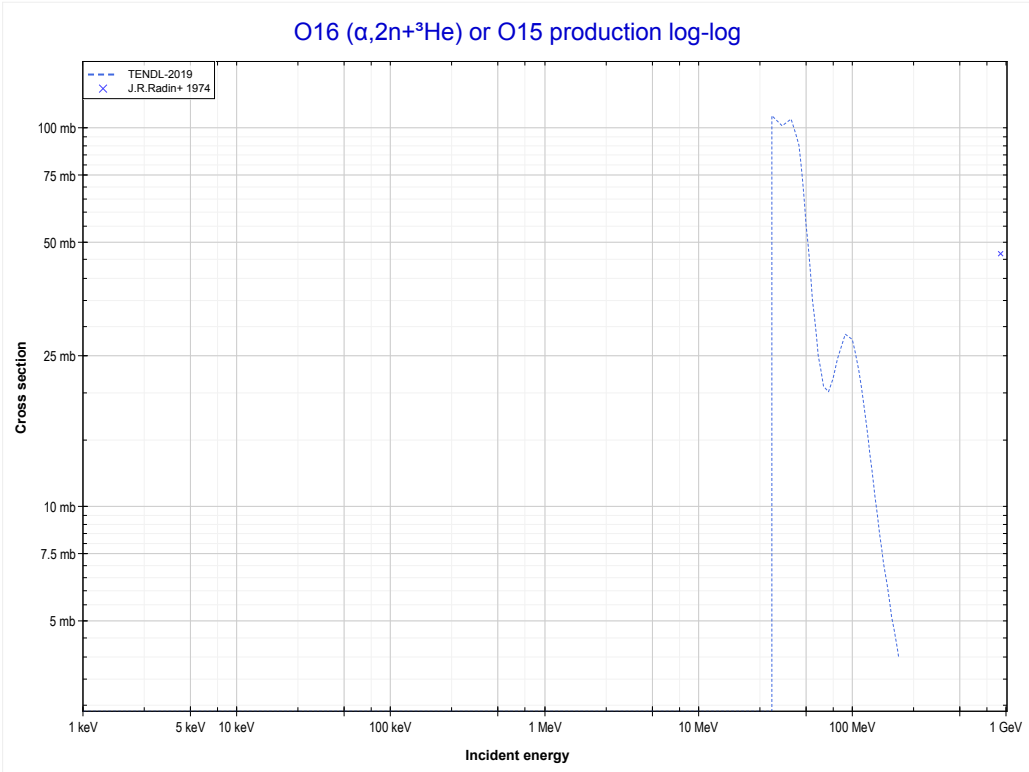
Reaction	Q-Value	Reaction	Q-Value
O16(α,n+2α)C11	-25882.63 keV	O16(α,p+d+2t)C11	-63285.80 keV
O16(α,d+t+α)C11	-43471.93 keV	O16(α,n+d+t+He3)C11	-64049.55 keV
O16(α,n+p+t+α)C11	-45696.50 keV	O16(α,n+2p+2t)C11	-65510.36 keV
O16(α,2n+He3+α)C11	-46460.25 keV	O16(α,2n+p+t+He3)C11	-66274.12 keV
O16(α,n+2d+α)C11	-49729.16 keV	O16(α,3n+2He3)C11	-67037.87 keV
O16(α,2n+p+d+α)C11	-51953.73 keV	O16(α,3d+t)C11	-67318.46 keV
O16(α,3n+2p+α)C11	-54178.29 keV	O16(α,n+p+2d+t)C11	-69543.03 keV
O16(α,2t+He3)C11	-57792.32 keV	O16(α,2n+2d+He3)C11	-70306.78 keV

<< 7-N-14	8-O-16	14-Si-28 >>
<< MT29 ($\alpha,n+2\alpha$)	MT104 (α,d) or MT5 (F18 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



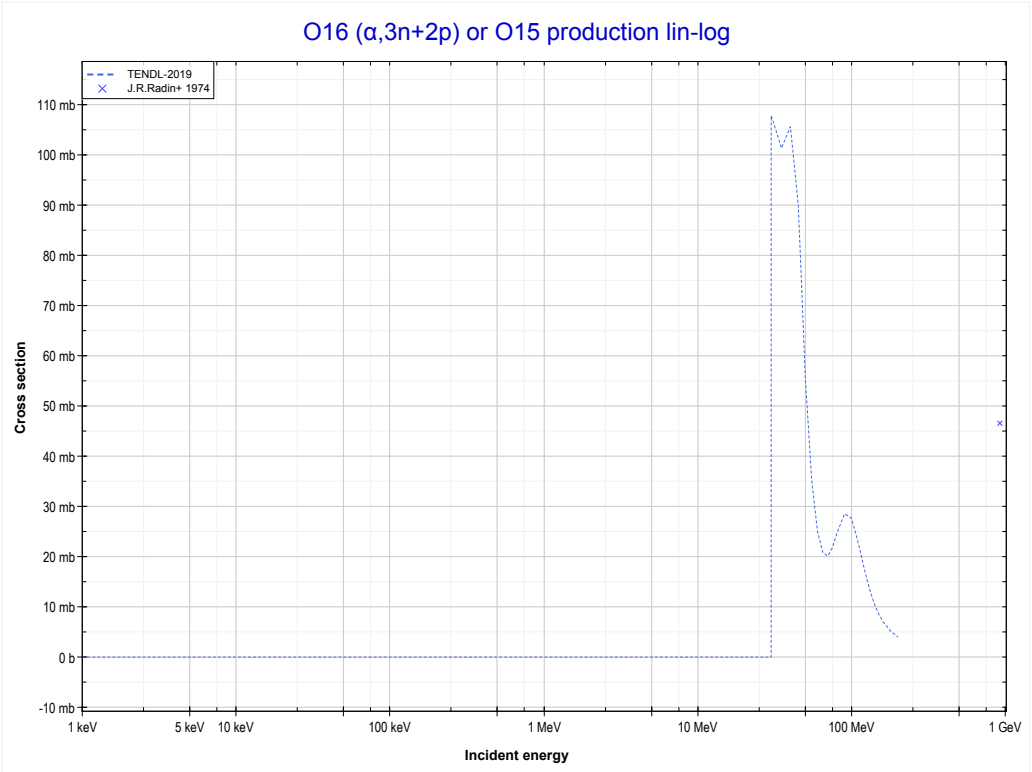
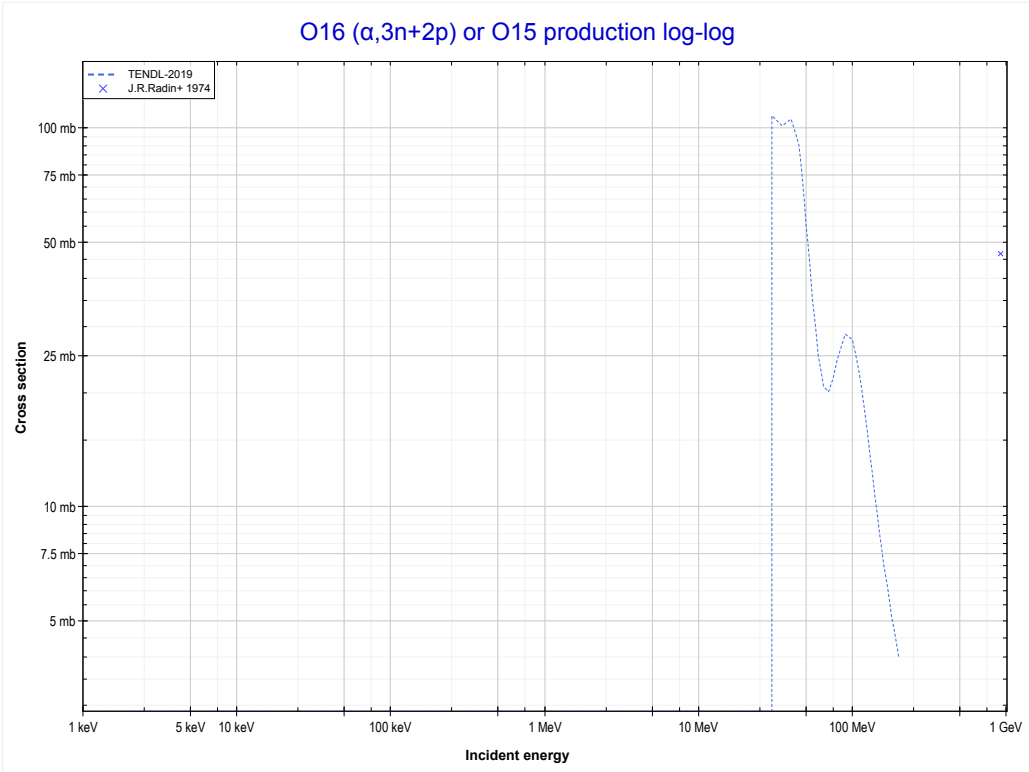
Reaction	Q-Value
O16(α,d)F18	-16320.91 keV
O16($\alpha,n+p$)F18	-18545.47 keV

<< 7-N-14	8-O-16	12-Mg-24 >>
<< MT104 (α,d)	MT176 (α,2n+³He) or MT5 (O15 production)	MT179 (α,3n+2p) >>



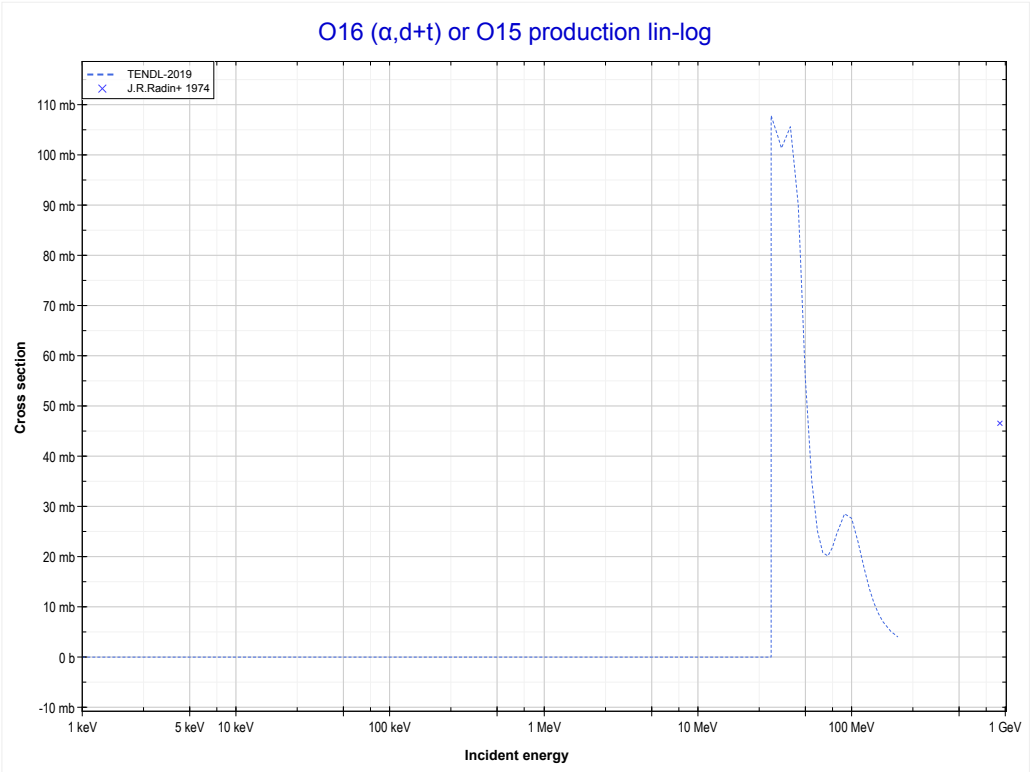
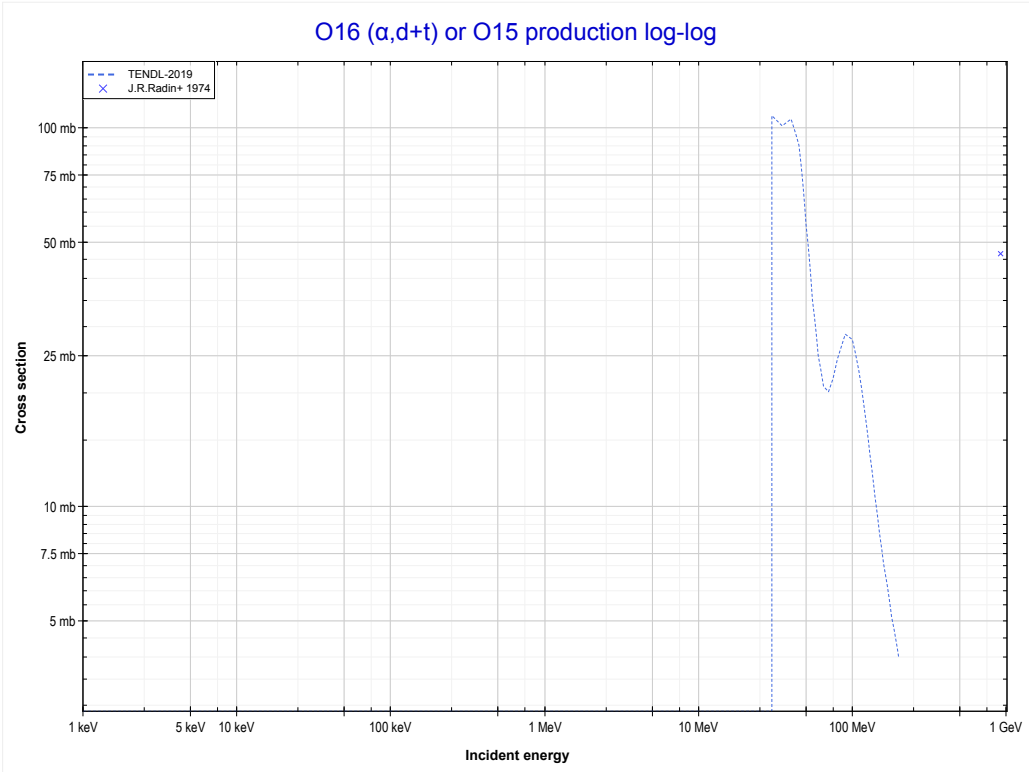
Reaction	Q-Value
O16(α,n+α)O15	-15663.92 keV
O16(α,d+t)O15	-33253.22 keV
O16(α,n+p+t)O15	-35477.78 keV
O16(α,2n+He3)O15	-36241.54 keV
O16(α,n+2d)O15	-39510.45 keV
O16(α,2n+p+d)O15	-41735.01 keV
O16(α,3n+2p)O15	-43959.58 keV

<< 7-N-14	8-O-16	12-Mg-24 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (O15 production)	MT182 ($\alpha,d+t$) >>



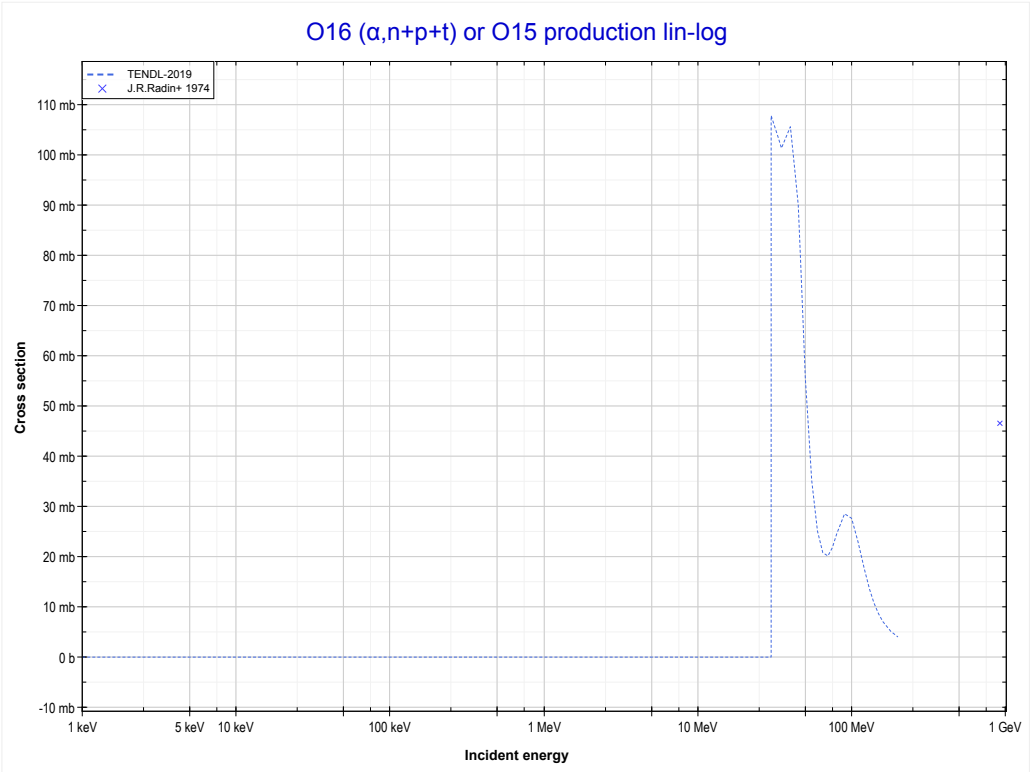
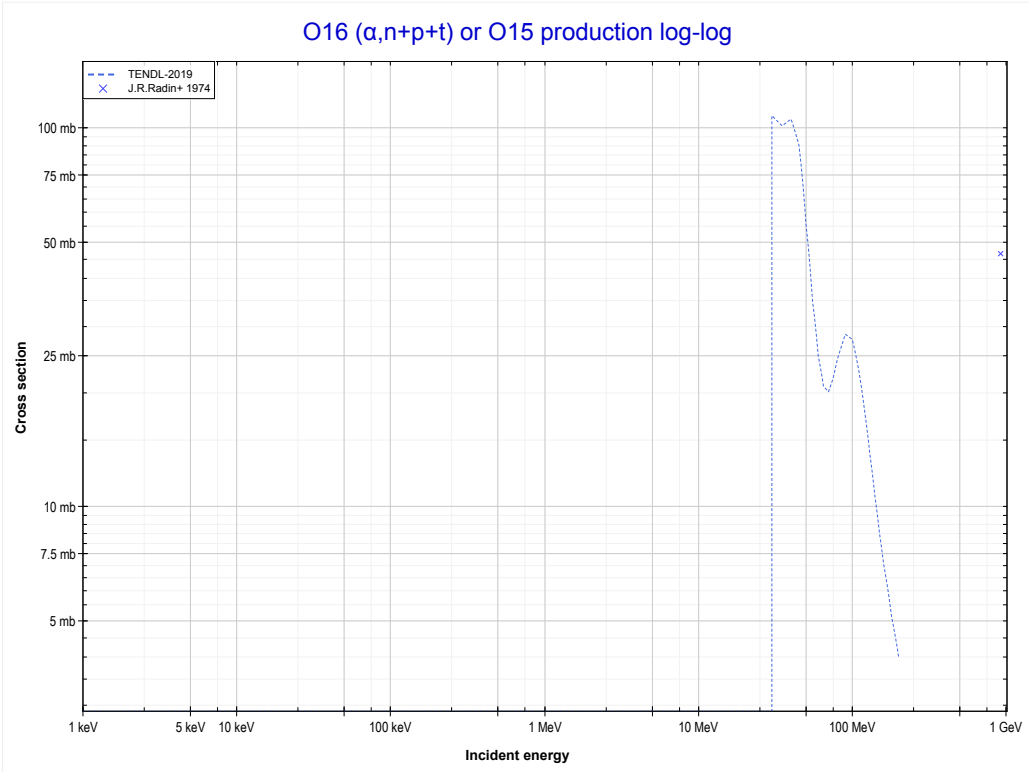
Reaction	Q-Value
O16($\alpha,n+\alpha$)O15	-15663.92 keV
O16($\alpha,d+t$)O15	-33253.22 keV
O16($\alpha,n+p+t$)O15	-35477.78 keV
O16($\alpha,2n+\text{He3}$)O15	-36241.54 keV
O16($\alpha,n+2d$)O15	-39510.45 keV
O16($\alpha,2n+p+d$)O15	-41735.01 keV
O16($\alpha,3n+2p$)O15	-43959.58 keV

<< 7-N-14	8-O-16	12-Mg-24 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (O15 production)	MT184 ($\alpha,n+p+t$) >>



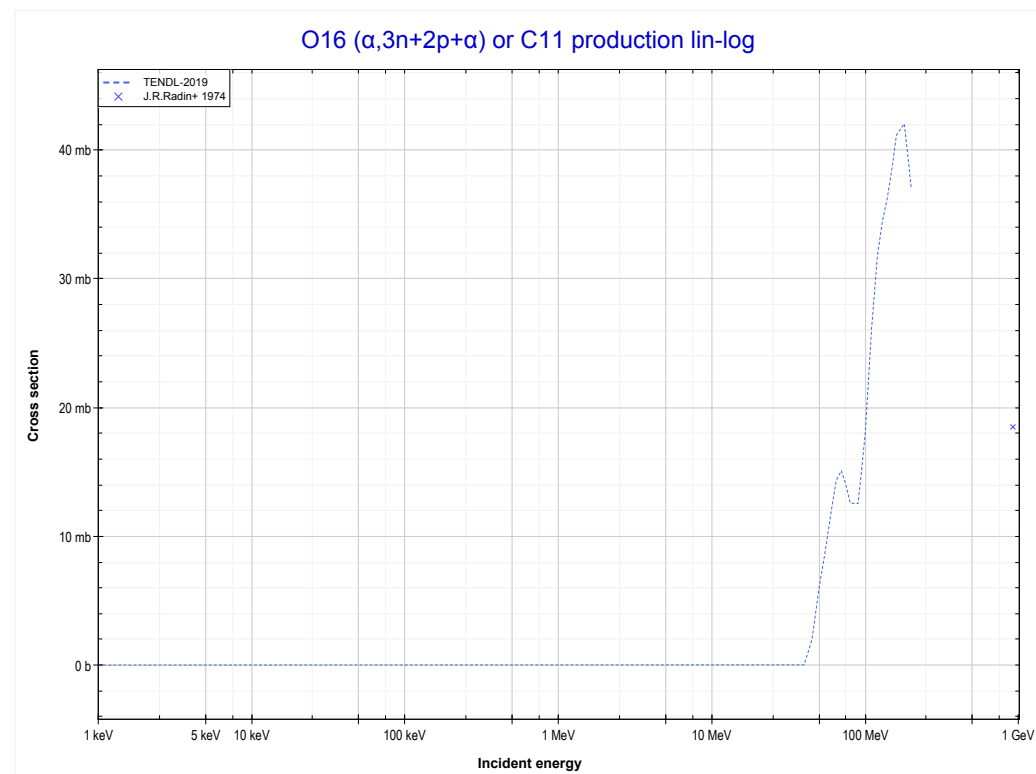
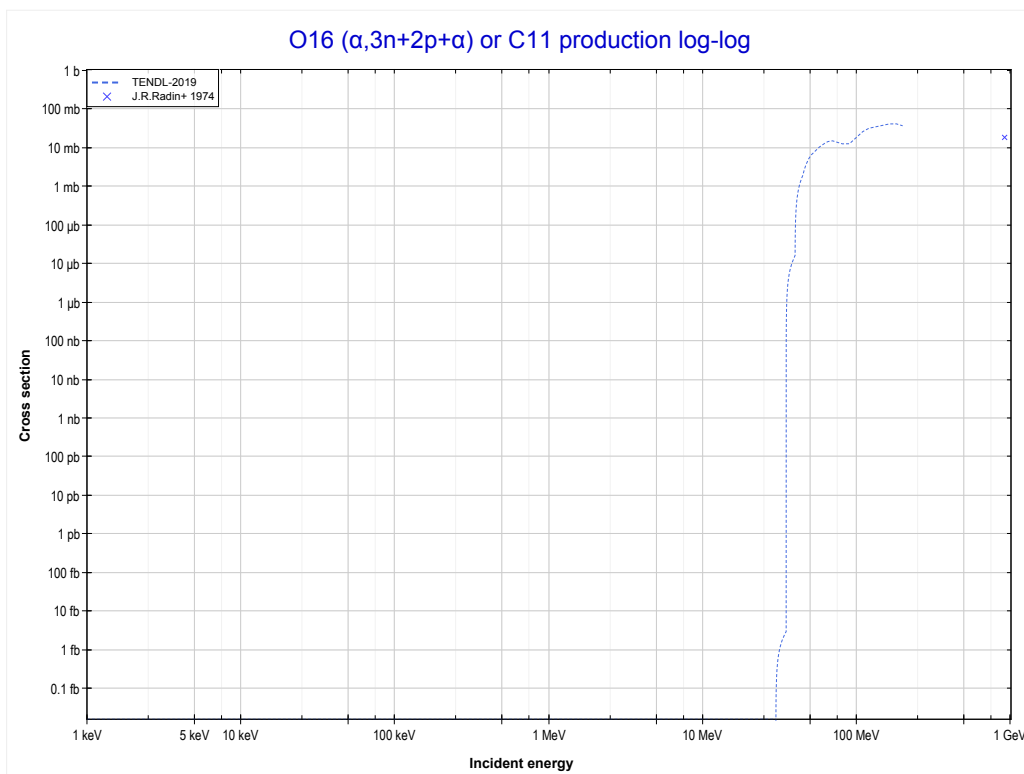
Reaction	Q-Value
O16($\alpha,n+\alpha$)O15	-15663.92 keV
O16($\alpha,d+t$)O15	-33253.22 keV
O16($\alpha,n+p+t$)O15	-35477.78 keV
O16($\alpha,2n+He3$)O15	-36241.54 keV
O16($\alpha,n+2d$)O15	-39510.45 keV
O16($\alpha,2n+p+d$)O15	-41735.01 keV
O16($\alpha,3n+2p$)O15	-43959.58 keV

<< 7-N-14	8-O-16	12-Mg-24 >>
<< MT182 (α ,d+t)	MT184 (α ,n+p+t) or MT5 (O15 production)	MT199 (α ,3n+2p+ α) >>



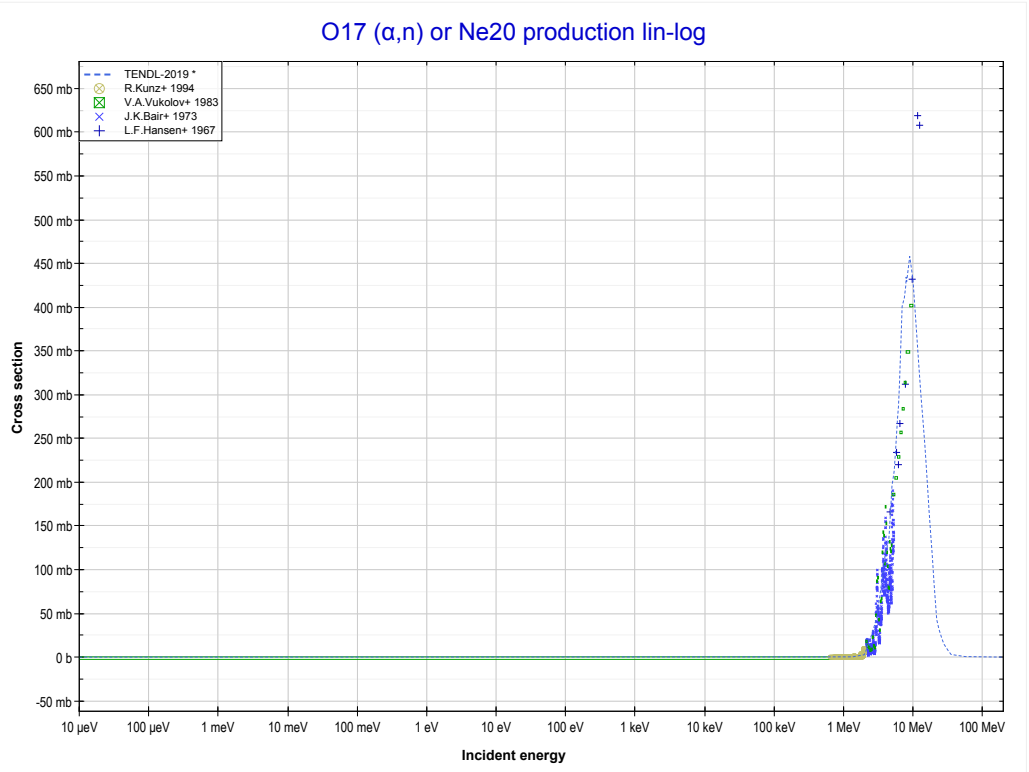
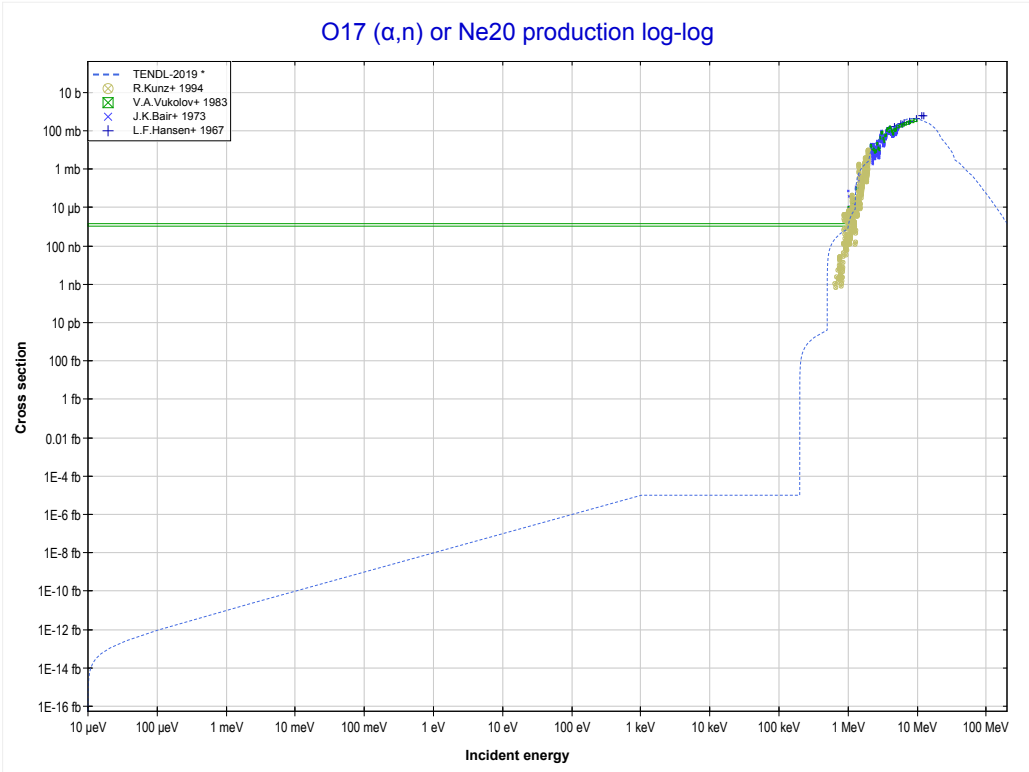
Reaction	Q-Value
O16(α ,n+ α)O15	-15663.92 keV
O16(α ,d+t)O15	-33253.22 keV
O16(α ,n+p+t)O15	-35477.78 keV
O16(α ,2n+He3)O15	-36241.54 keV
O16(α ,n+2d)O15	-39510.45 keV
O16(α ,2n+p+d)O15	-41735.01 keV
O16(α ,3n+2p)O15	-43959.58 keV

<< 6-C-12	8-O-16	13-Al-27 >>
<< MT184 ($\alpha, n+p+t$)	MT199 ($\alpha, 3n+2p+\alpha$) or MT5 (C11 production)	8-O-17 MT4 (α, n) >>



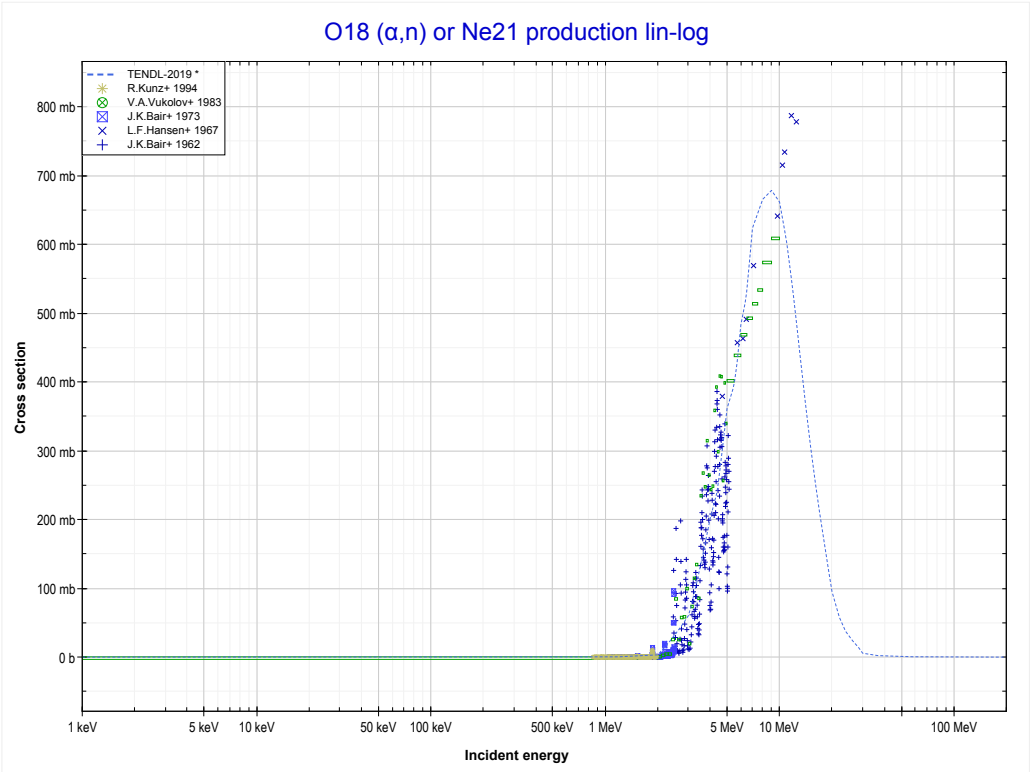
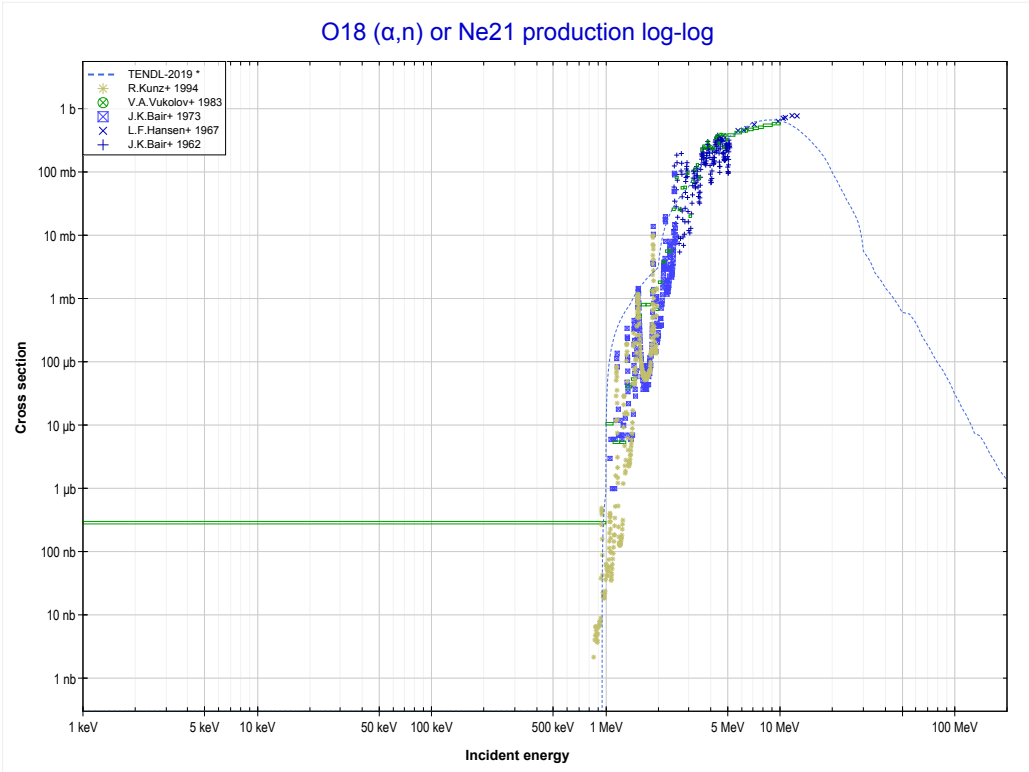
Reaction	Q-Value	Reaction	Q-Value
O16($\alpha, n+2\alpha$)C11	-25882.63 keV	O16($\alpha, p+d+2t$)C11	-63285.80 keV
O16($\alpha, d+t+\alpha$)C11	-43471.93 keV	O16($\alpha, n+d+t+He3$)C11	-64049.55 keV
O16($\alpha, n+p+t+\alpha$)C11	-45696.50 keV	O16($\alpha, n+2p+2t$)C11	-65510.36 keV
O16($\alpha, 2n+He3+\alpha$)C11	-46460.25 keV	O16($\alpha, 2n+p+t+He3$)C11	-66274.12 keV
O16($\alpha, n+2d+\alpha$)C11	-49729.16 keV	O16($\alpha, 3n+2He3$)C11	-67037.87 keV
O16($\alpha, 2n+p+d+\alpha$)C11	-51953.73 keV	O16($\alpha, 3d+t$)C11	-67318.46 keV
O16($\alpha, 3n+2p+\alpha$)C11	-54178.29 keV	O16($\alpha, n+p+2d+t$)C11	-69543.03 keV
O16($\alpha, 2t+He3$)C11	-57792.32 keV	O16($\alpha, 2n+2d+He3$)C11	-70306.78 keV

<< 8-O-16	8-O-17	8-O-18 >>
<< 8-O-16 MT199 ($\alpha,3n+2p+\alpha$)	MT4 (α,n) or MT5 (Ne20 production)	8-O-18 MT4 (α,n) >>



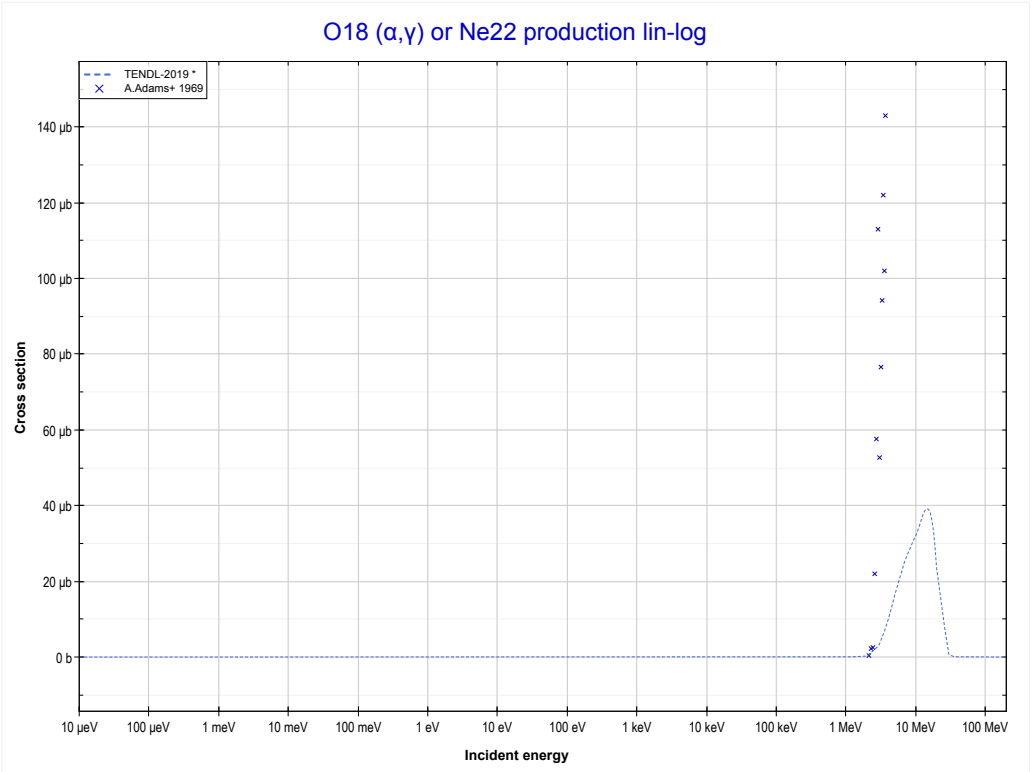
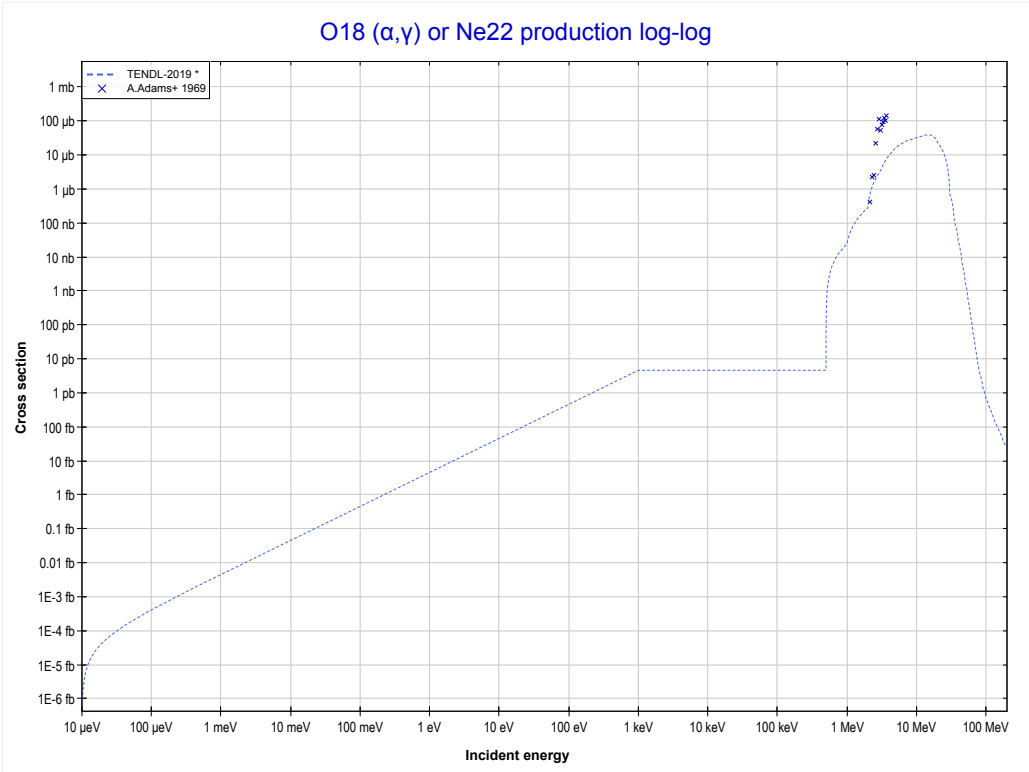
Reaction	Q-Value
O17(α,n)Ne20	586.77 keV

<< 8-O-17	8-O-18	9-F-19 >>
<< 8-O-17 MT4 (α,n)	MT4 (α,n) or MT5 (Ne21 production)	MT102 (α,γ) >>



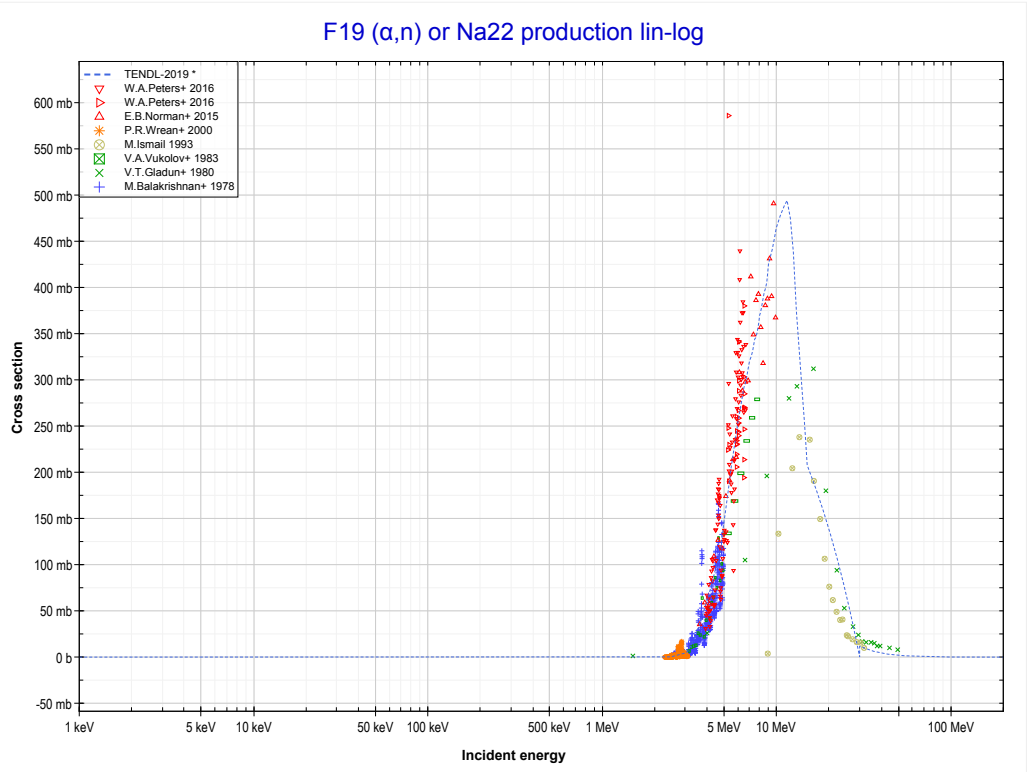
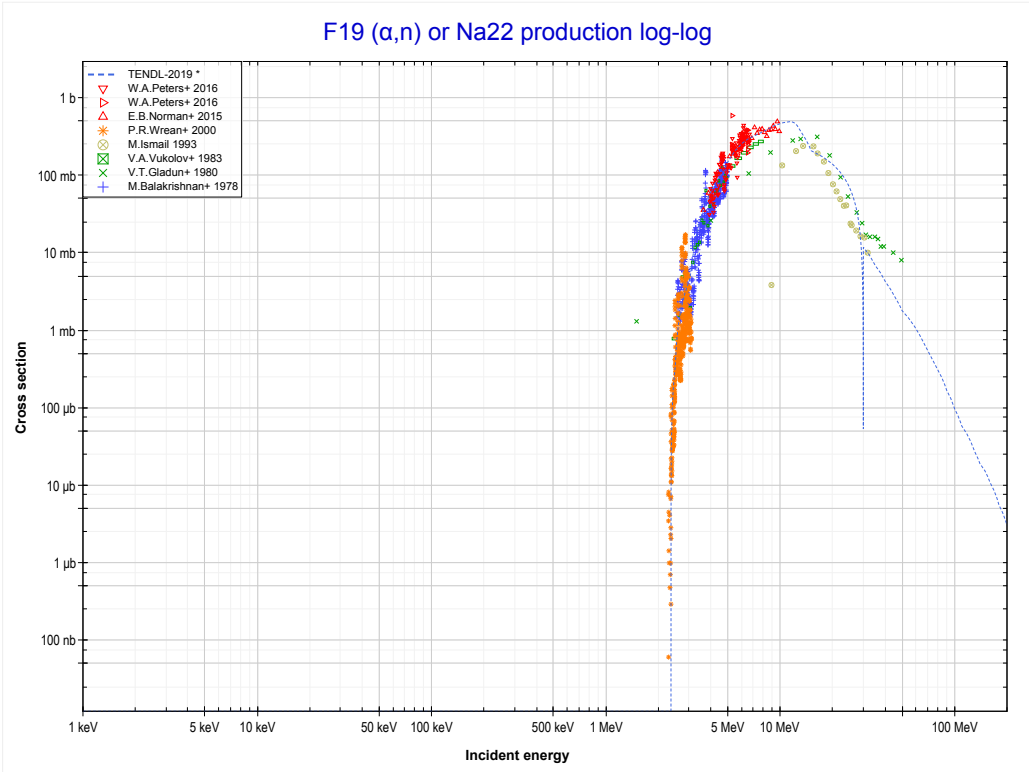
Reaction	Q-Value
O18(α,n)Ne21	-697.44 keV

<< 3-Li-6	8-O-18	16-S-34 >>
<< MT4 (α,n)	MT102 (α,γ) or MT5 (Ne22 production)	9-F-19 MT4 (α,n) >>



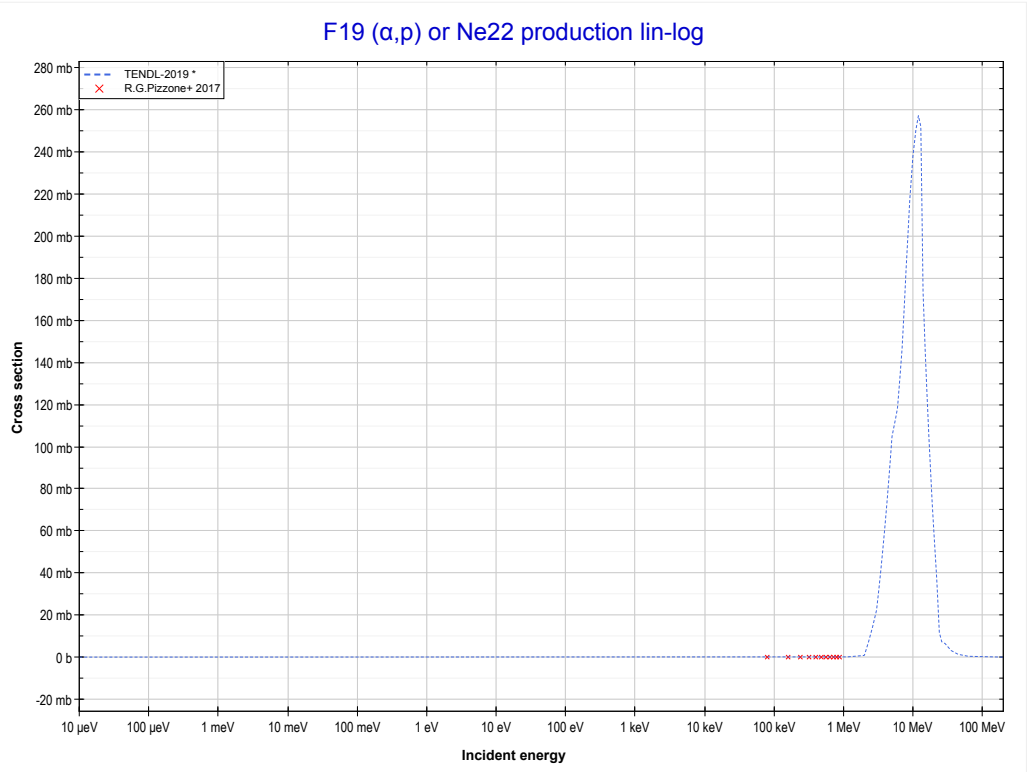
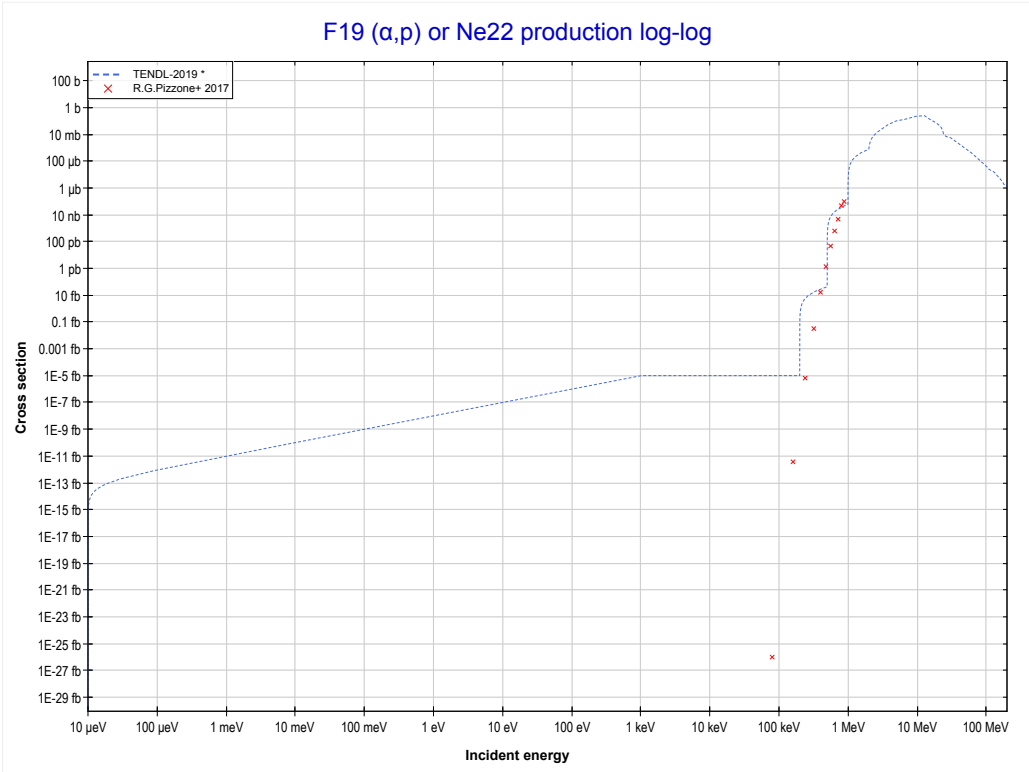
Reaction	Q-Value
O18(α,γ)Ne22	9666.82 keV

<< 8-O-18	9-F-19	10-Ne-20 >>
<< 8-O-18 MT102 (α,γ)	MT4 (α,n) or MT5 (Na22 production)	MT103 (α,p) >>



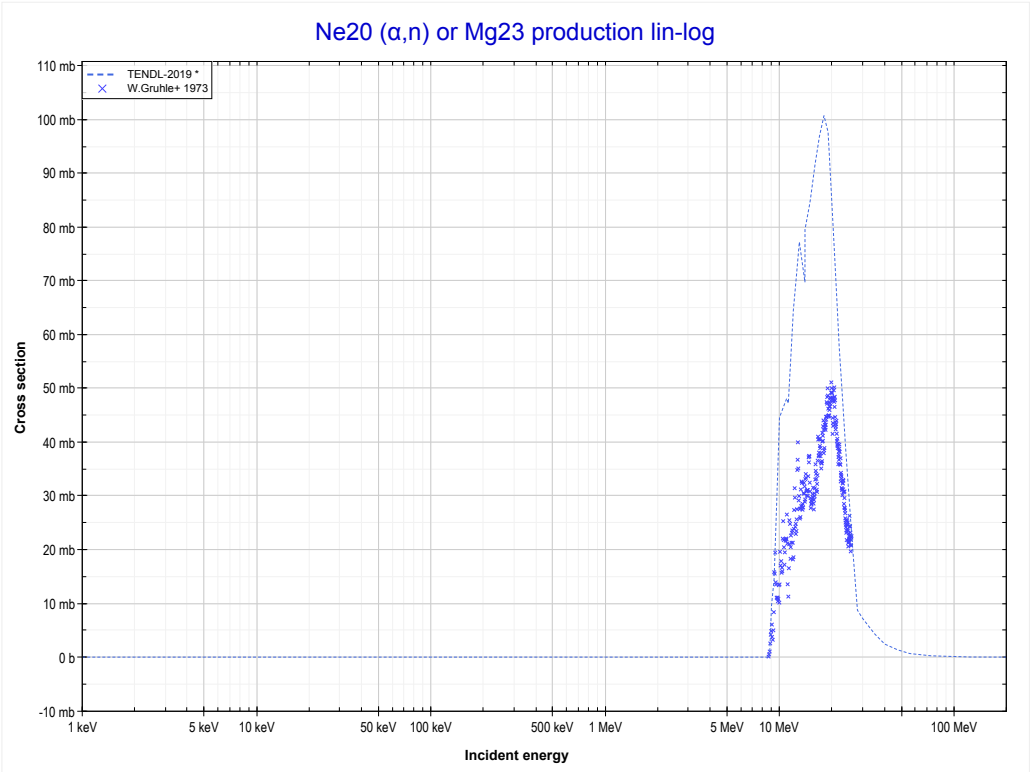
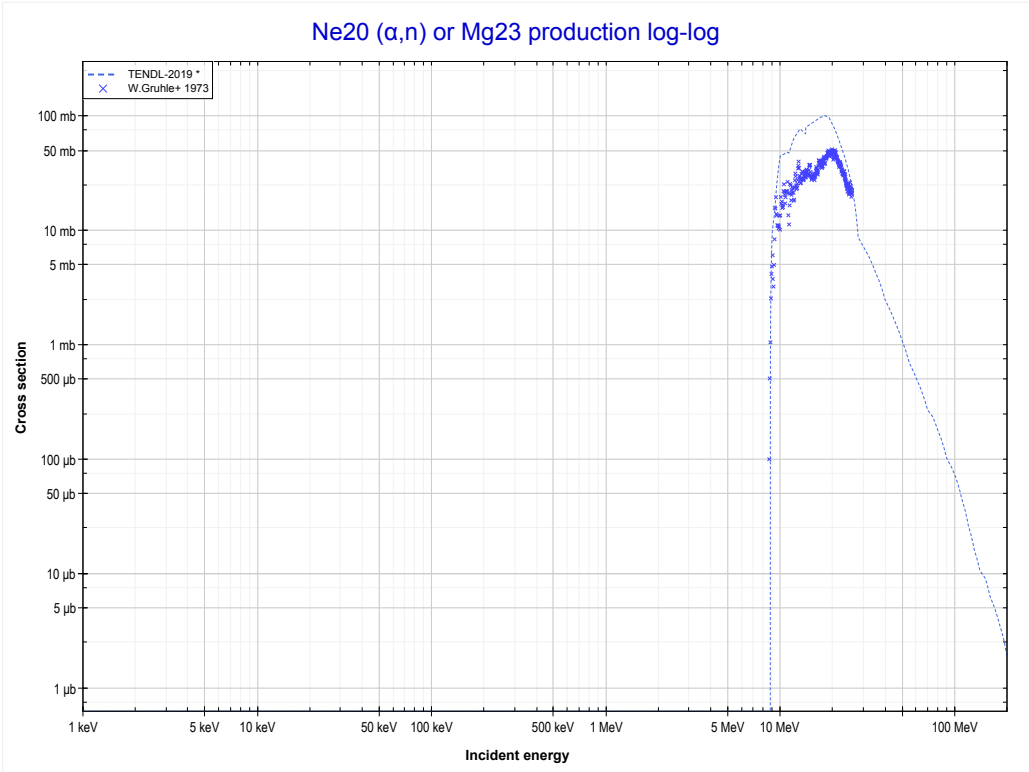
Reaction	Q-Value
F19(α,n)Na22	-1952.34 keV

<< 5-B-11	9-F-19	12-Mg-25 >>
<< MT4 (α,n)	MT103 (α,p) or MT5 (Ne22 production)	10-Ne-20 MT4 (α,n) >>



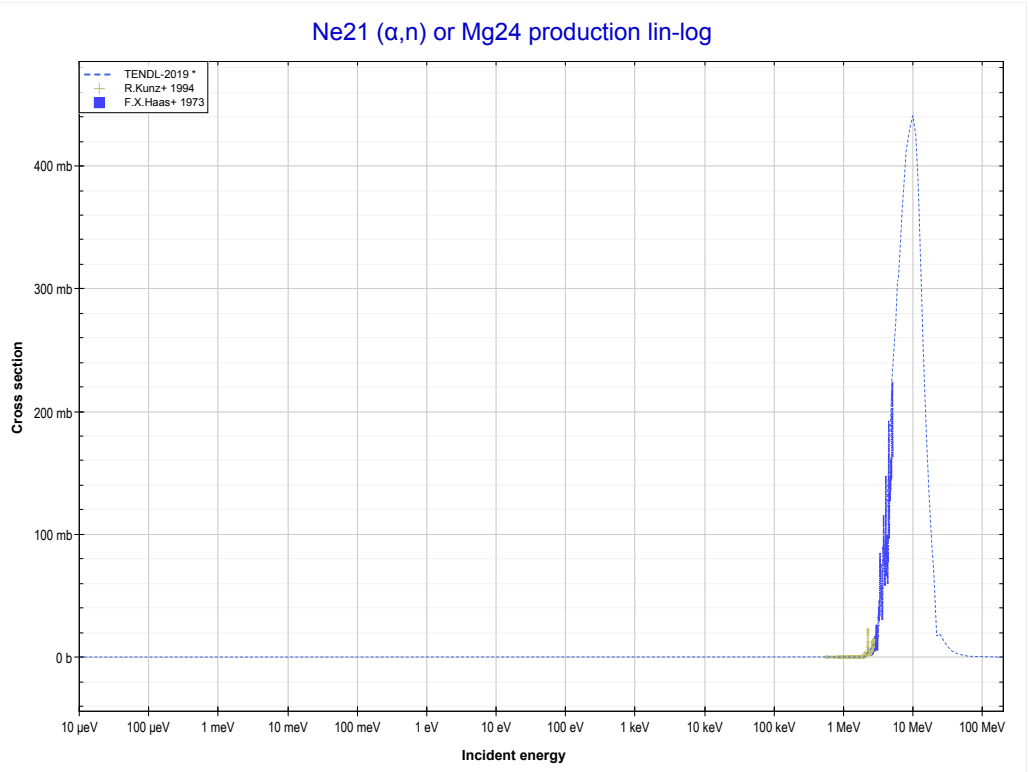
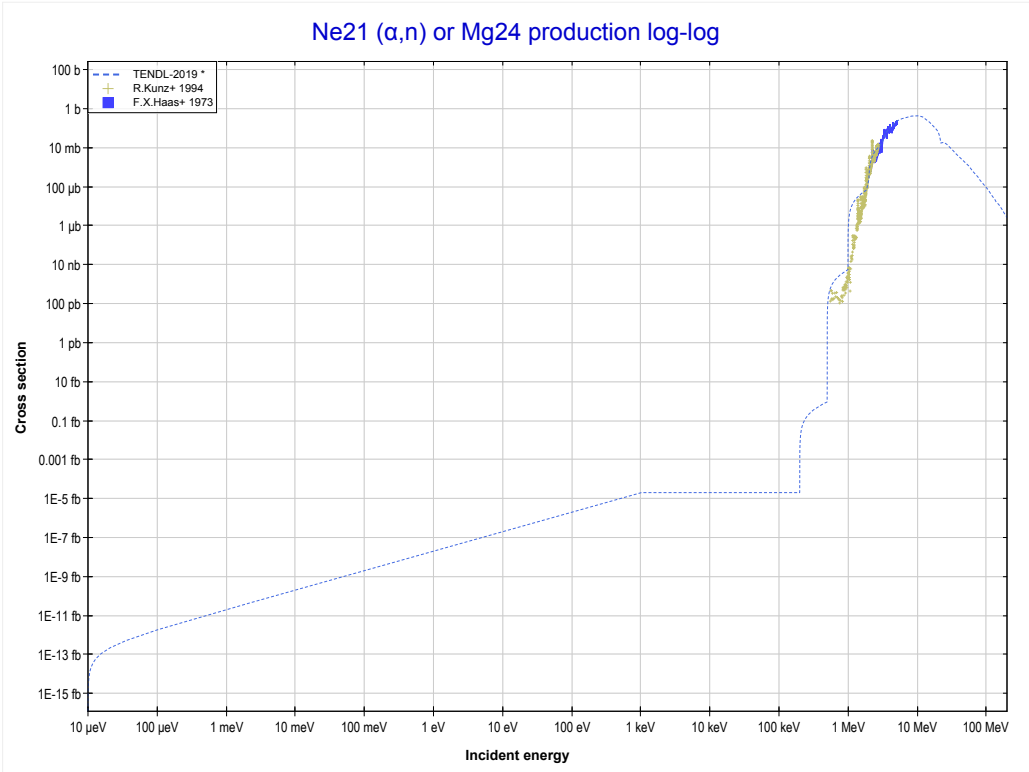
Reaction	Q-Value
F19(α,p)Ne22	1673.22 keV

<< 9-F-19	10-Ne-20	10-Ne-21 >>
<< 9-F-19 MT103 (α,p)	MT4 (α,n) or MT5 (Mg23 production)	10-Ne-21 MT4 (α,n) >>



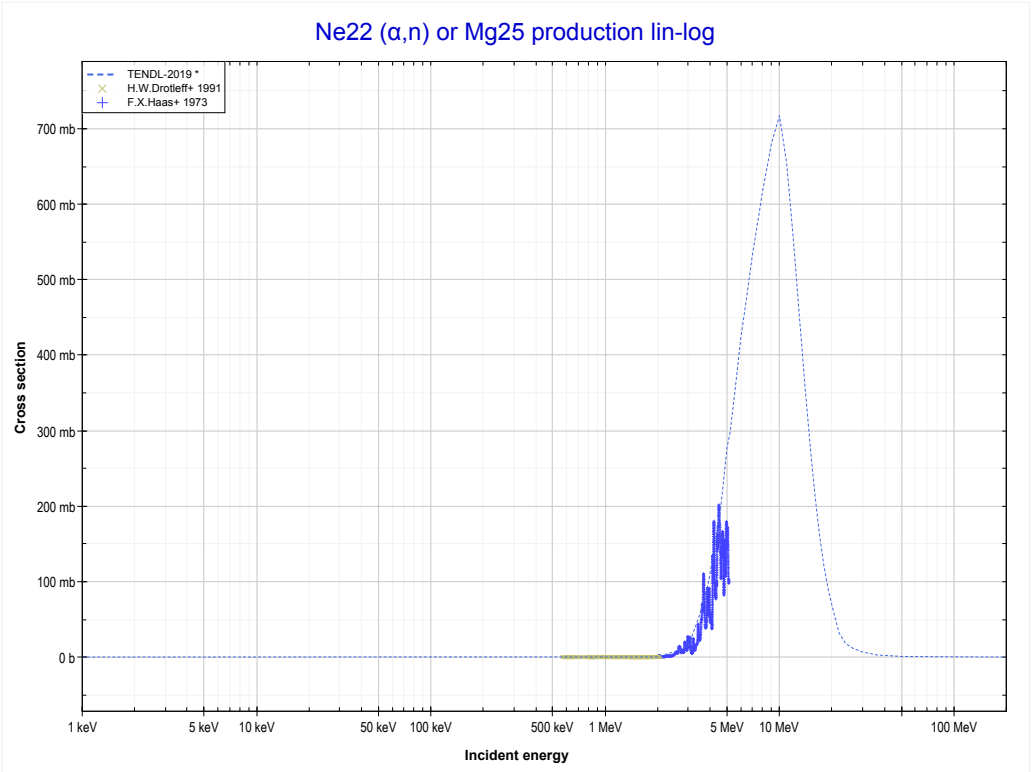
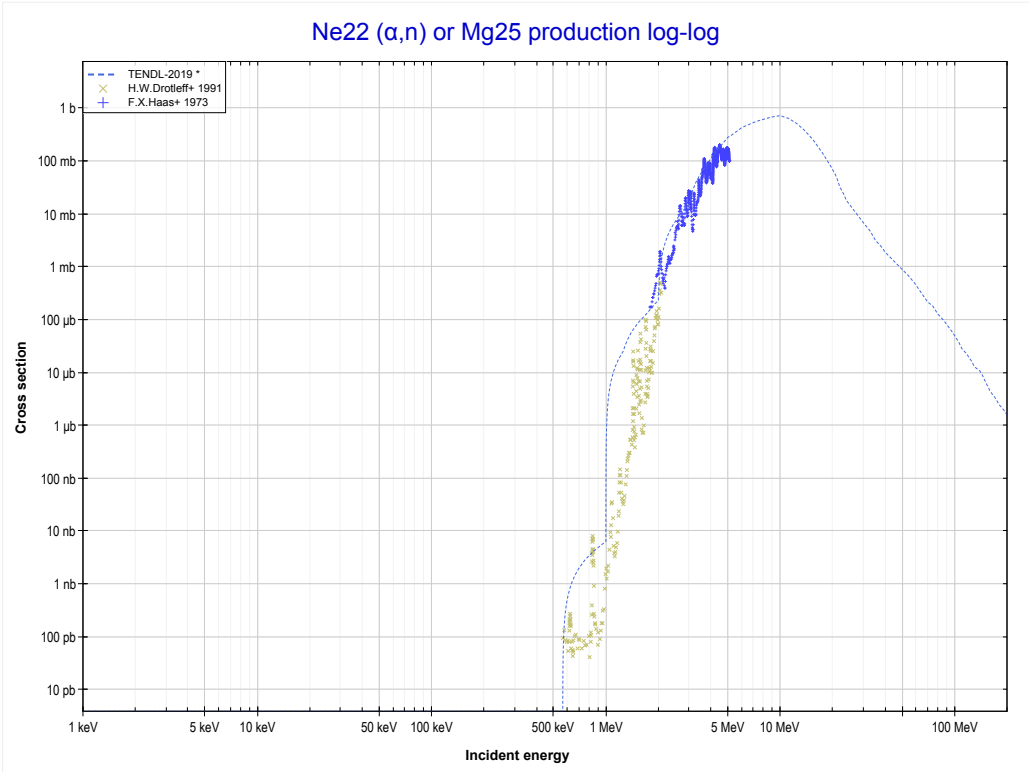
Reaction	Q-Value
Ne20(α,n)Mg23	-7214.82 keV

<< 10-Ne-20	10-Ne-21	10-Ne-22 >>
<< 10-Ne-20 MT4 (α,n)	MT4 (α,n) or MT5 (Mg24 production)	10-Ne-22 MT4 (α,n) >>



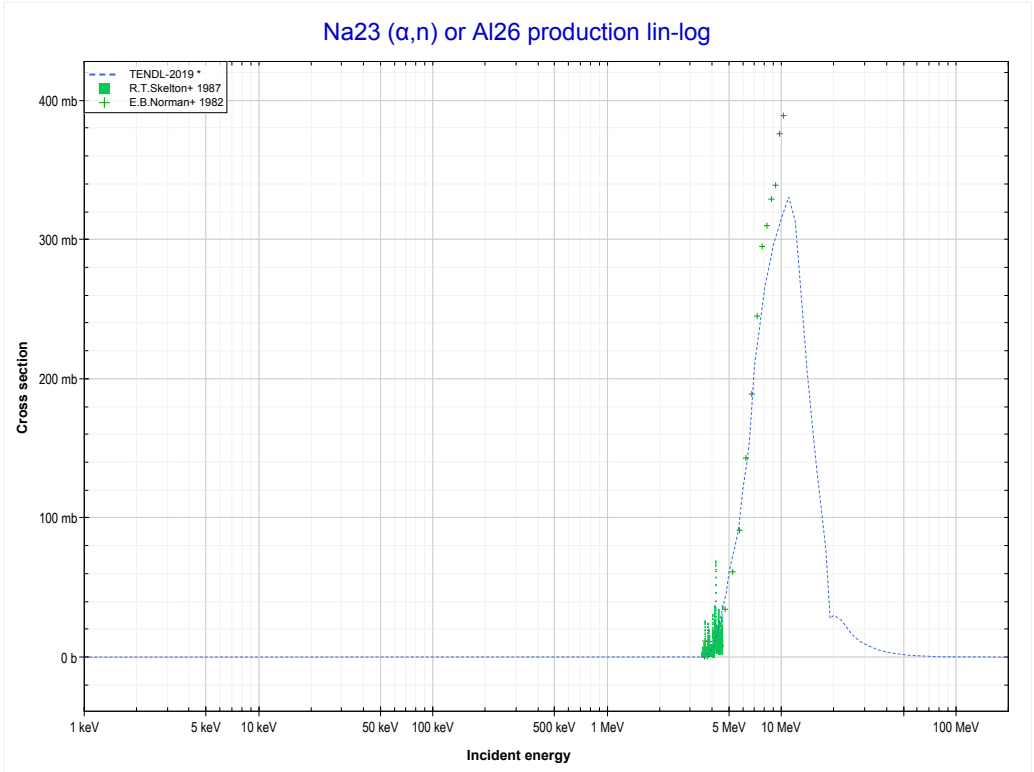
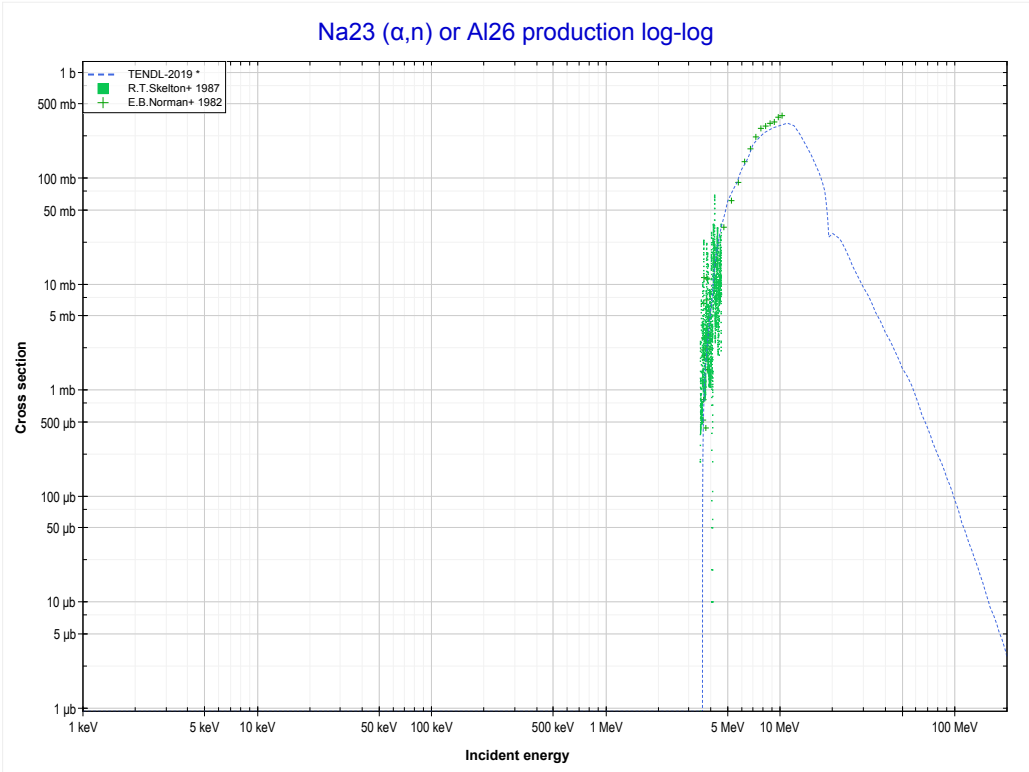
Reaction	Q-Value
Ne21(α,n)Mg24	2555.39 keV

<< 10-Ne-21	10-Ne-22	11-Na-23 >>
<< 10-Ne-21 MT4 (α,n)	MT4 (α,n) or MT5 (Mg25 production)	11-Na-23 MT4 (α,n) >>



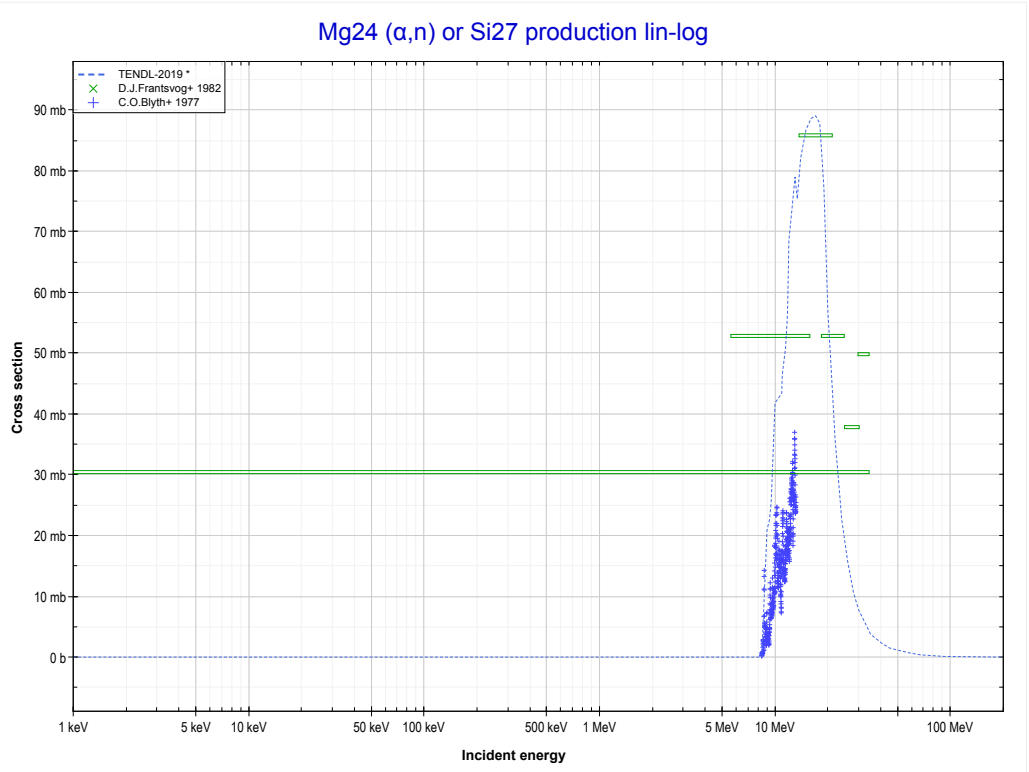
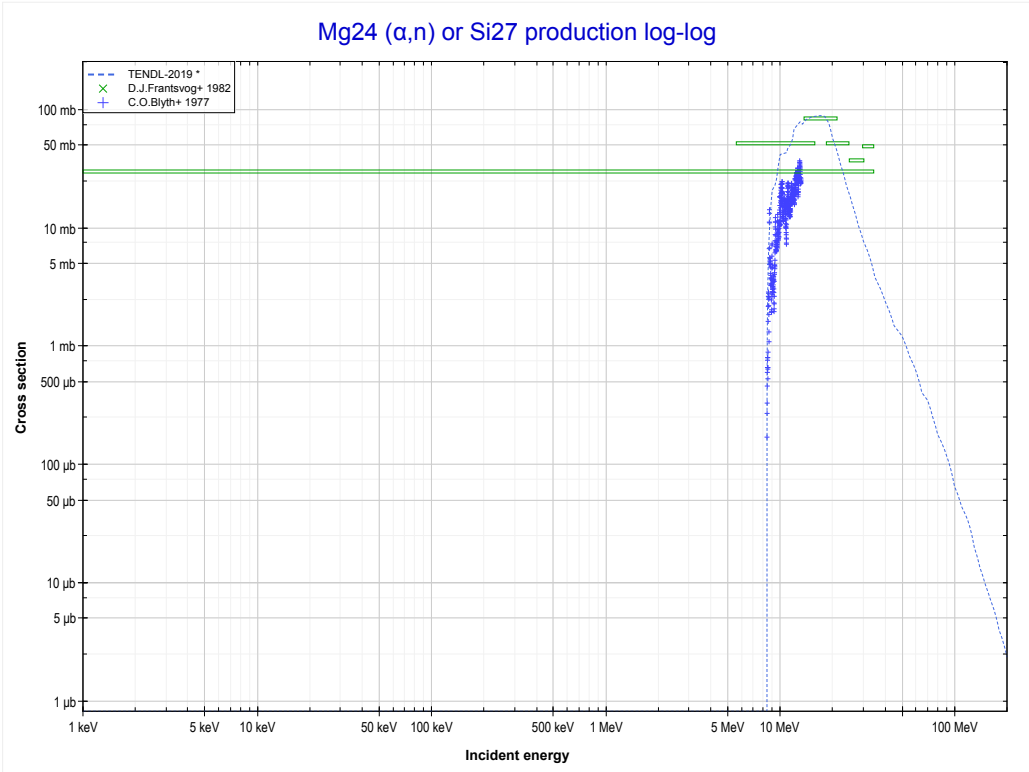
Reaction	Q-Value
Ne22(α,n)Mg25	-478.34 keV

<< 10-Ne-22	11-Na-23	12-Mg-24 >>
<< 10-Ne-22 MT4 (α,n)	MT4 (α,n) or MT5 (Al26 production)	12-Mg-24 MT4 (α,n) >>



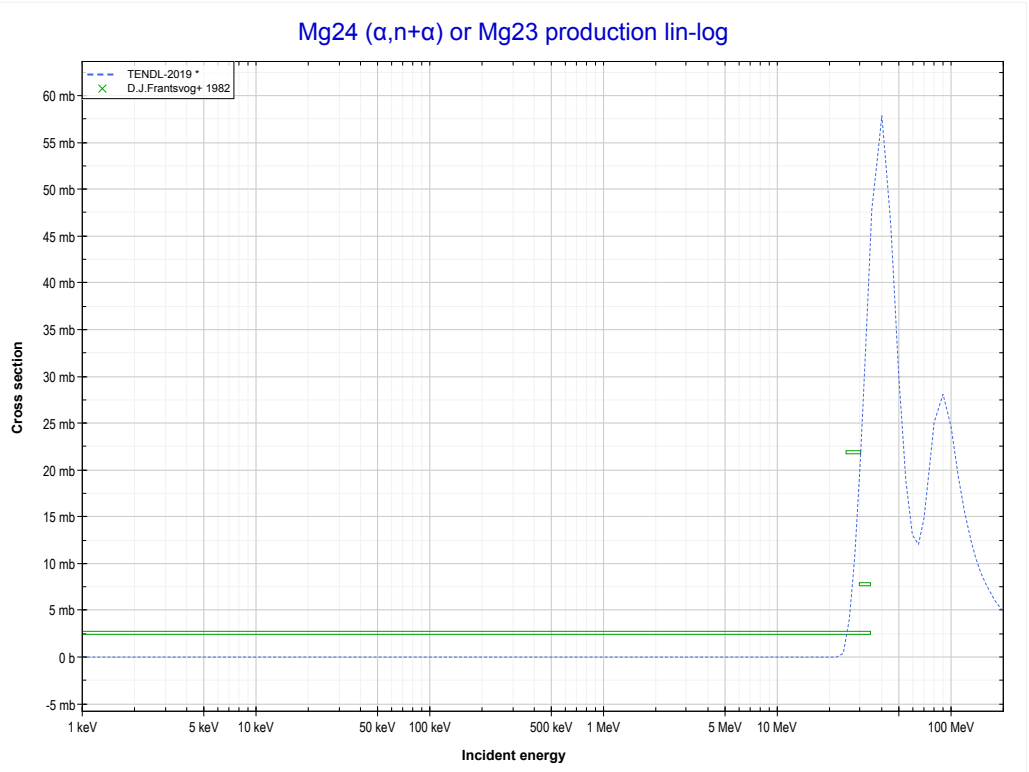
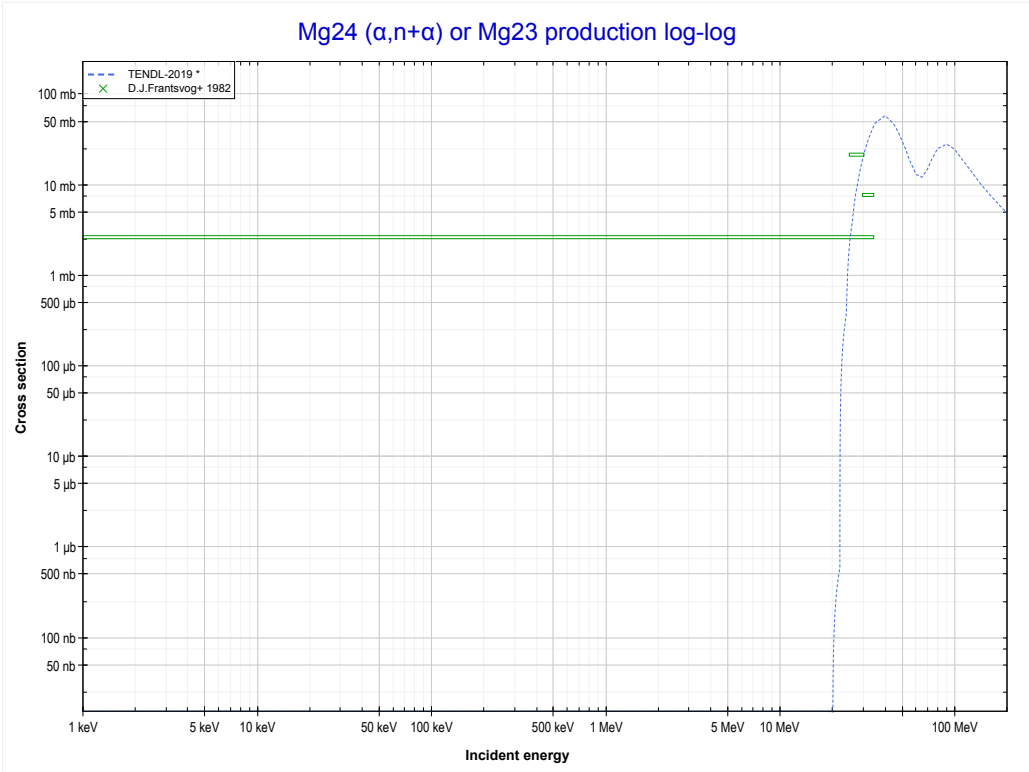
Reaction	Q-Value
Na23(α,n)Al26	-2966.10 keV

<< 11-Na-23	12-Mg-24	13-Al-27 >>
<< 11-Na-23 MT4 (α,n)	MT4 (α,n) or MT5 (Si27 production)	MT22 (α,n+α) >>



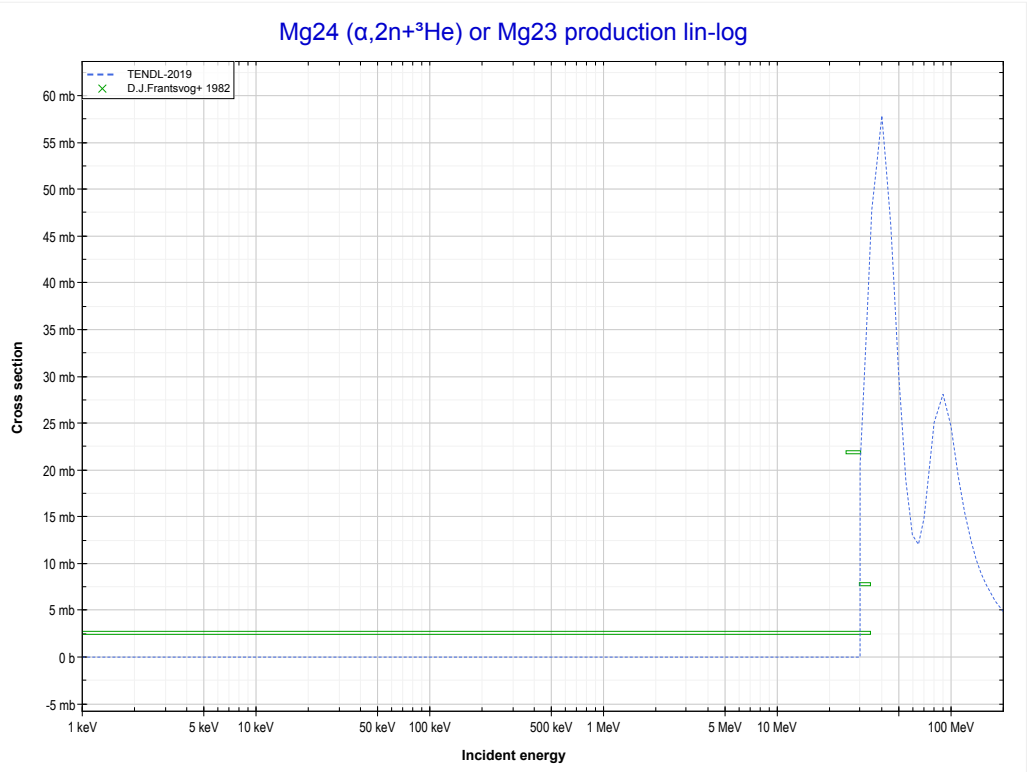
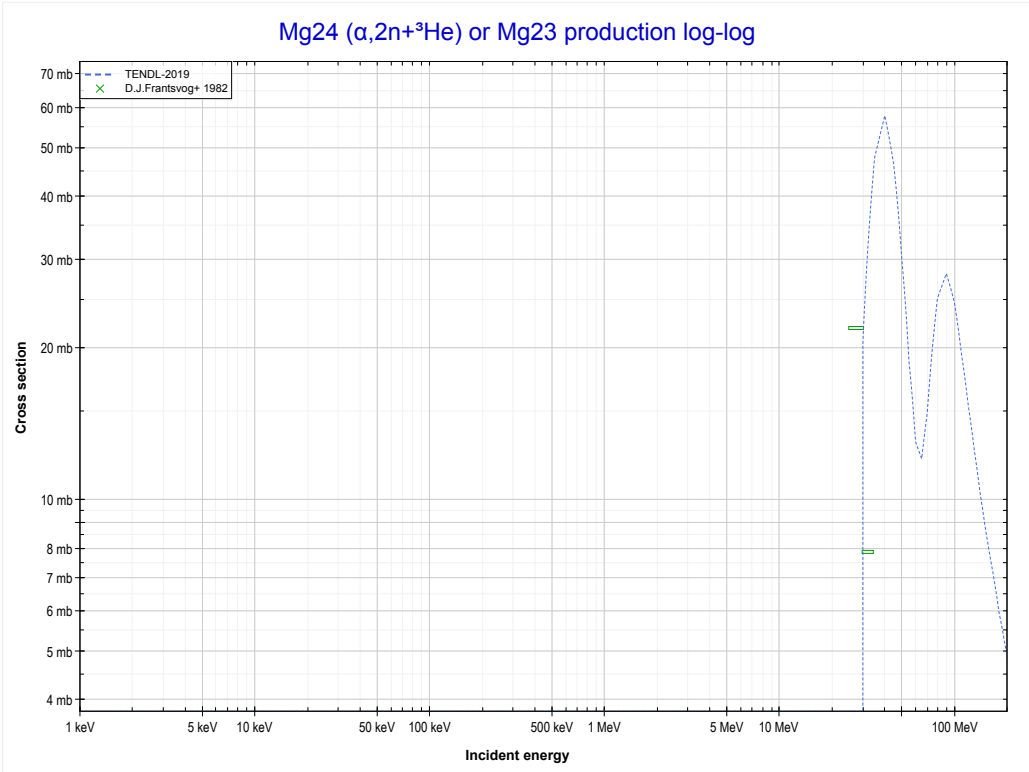
Reaction	Q-Value
Mg24(α,n)Si27	-7195.47 keV

<< 8-O-16	12-Mg-24	20-Ca-48 >>
<< MT4 (α,n)	MT22 (α,n+α) or MT5 (Mg23 production)	MT176 (α,2n+³He) >>



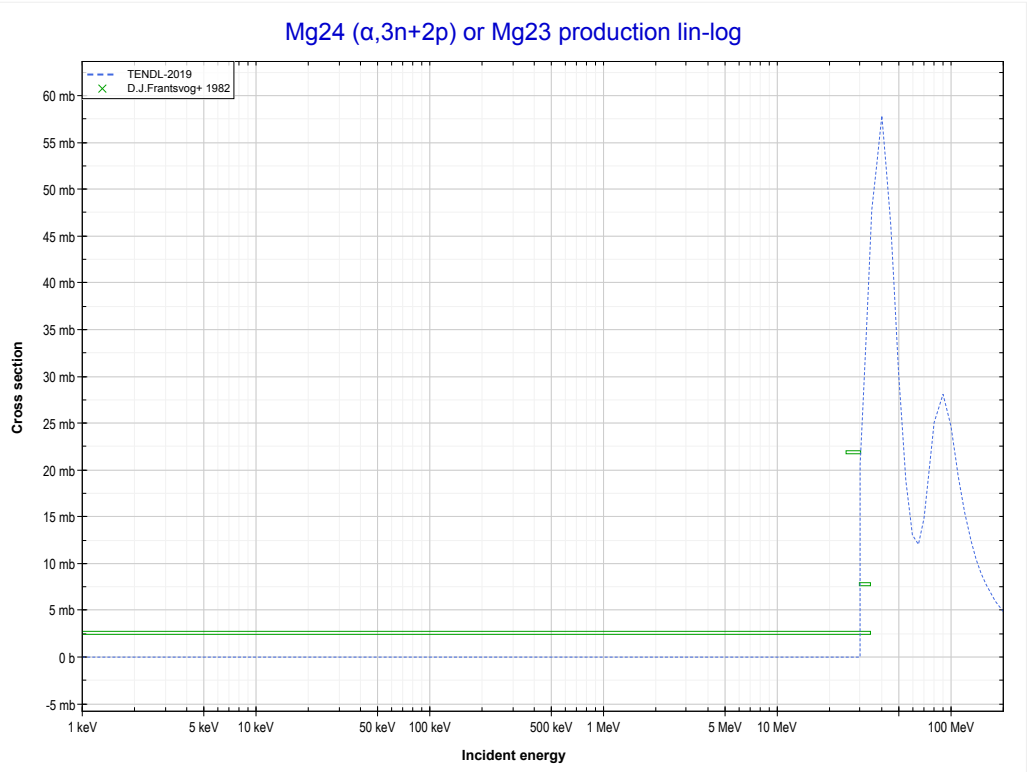
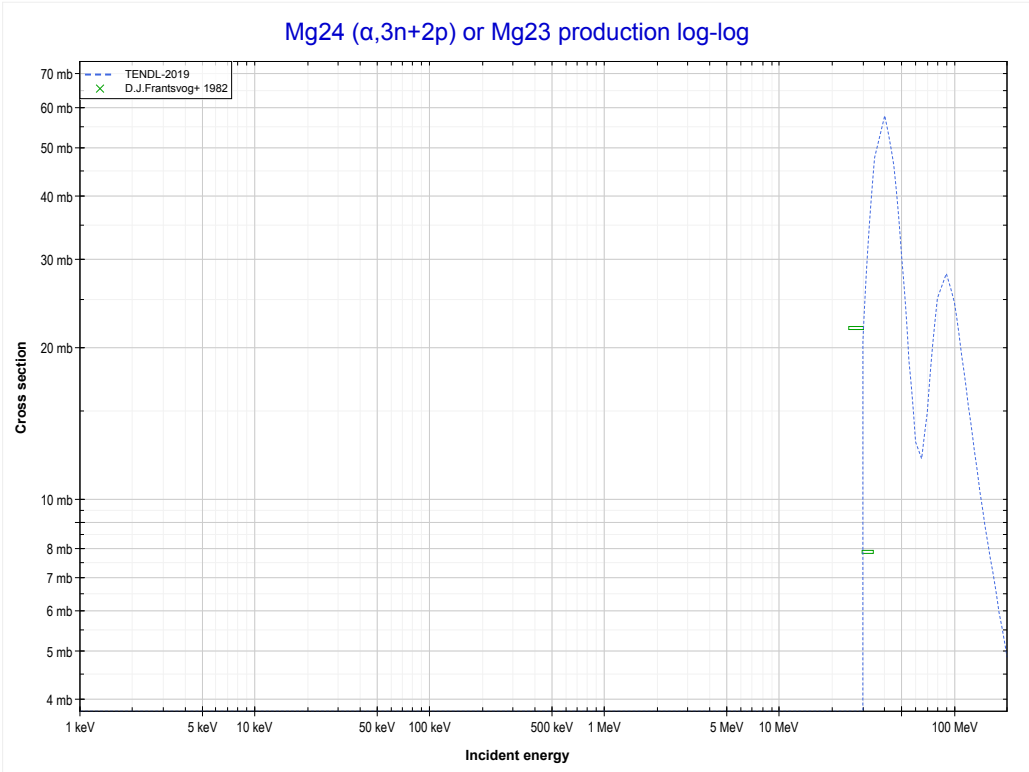
Reaction	Q-Value
Mg24(α,n+α)Mg23	-16531.38 keV
Mg24(α,d+t)Mg23	-34120.67 keV
Mg24(α,n+p+t)Mg23	-36345.24 keV
Mg24(α,2n+He3)Mg23	-37109.00 keV
Mg24(α,n+2d)Mg23	-40377.90 keV
Mg24(α,2n+p+d)Mg23	-42602.47 keV
Mg24(α,3n+2p)Mg23	-44827.04 keV

<< 8-O-16	12-Mg-24	21-Sc-45 >>
<< MT22 ($\alpha,n+\alpha$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Mg23 production)	MT179 ($\alpha,3n+2p$) >>



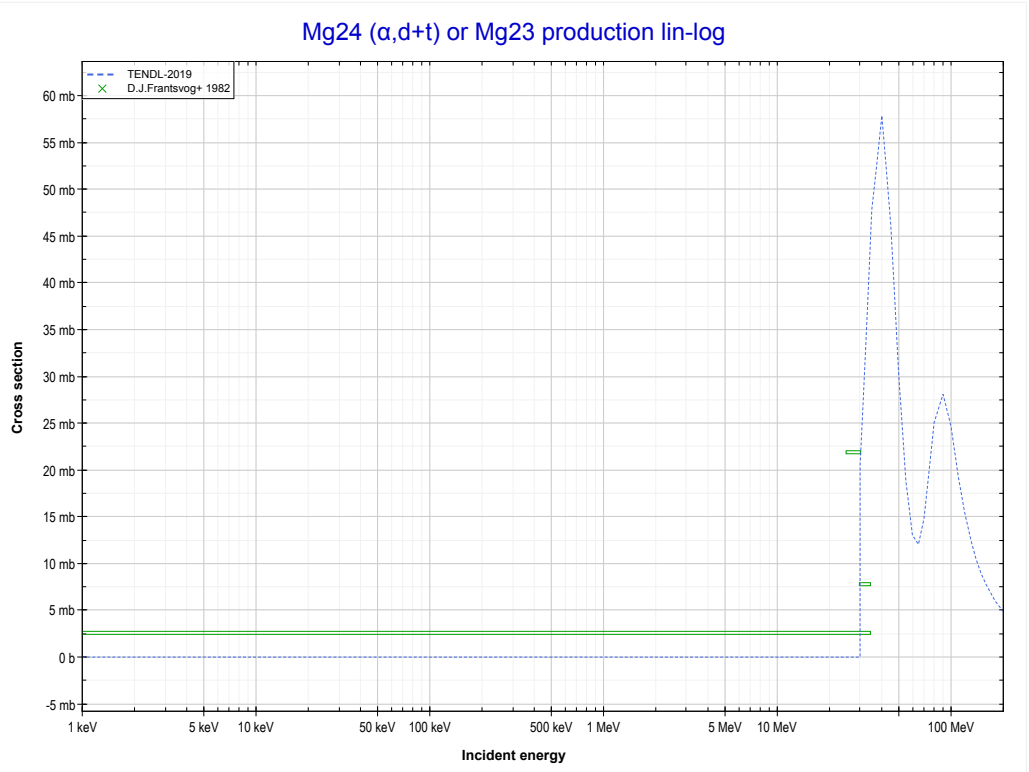
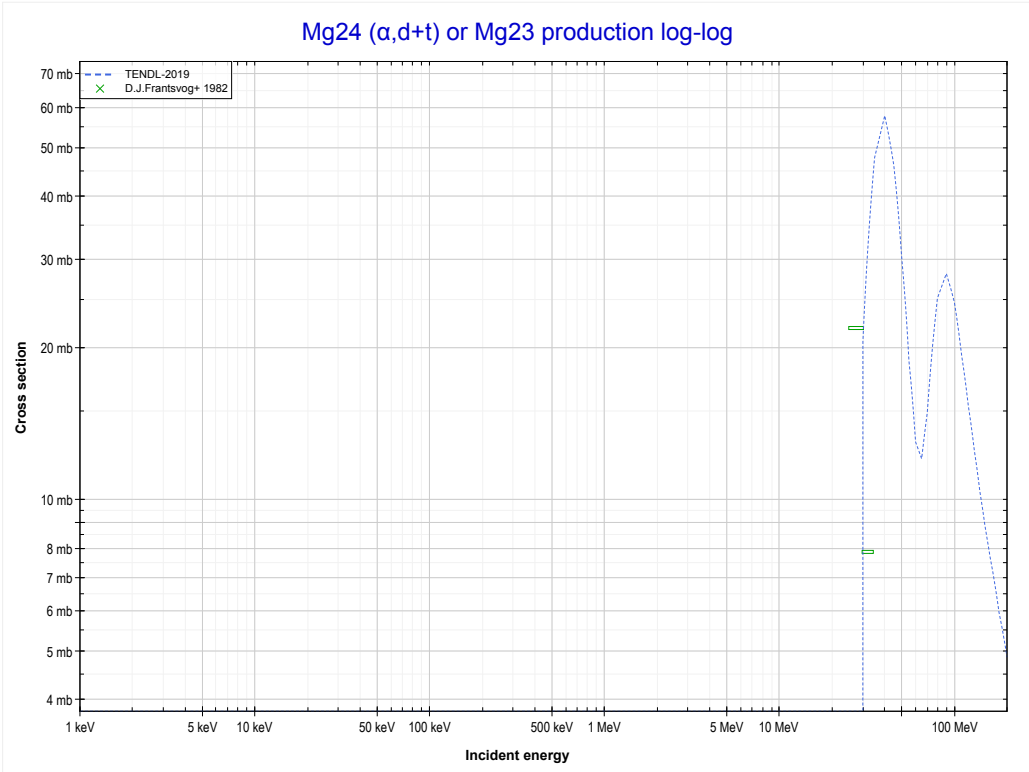
Reaction	Q-Value
Mg24($\alpha,n+\alpha$)Mg23	-16531.38 keV
Mg24($\alpha,d+t$)Mg23	-34120.67 keV
Mg24($\alpha,n+p+t$)Mg23	-36345.24 keV
Mg24($\alpha,2n+^3\text{He}$)Mg23	-37109.00 keV
Mg24($\alpha,n+2d$)Mg23	-40377.90 keV
Mg24($\alpha,2n+p+d$)Mg23	-42602.47 keV
Mg24($\alpha,3n+2p$)Mg23	-44827.04 keV

<< 8-O-16	12-Mg-24	21-Sc-45 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Mg23 production)	MT182 ($\alpha,d+t$) >>



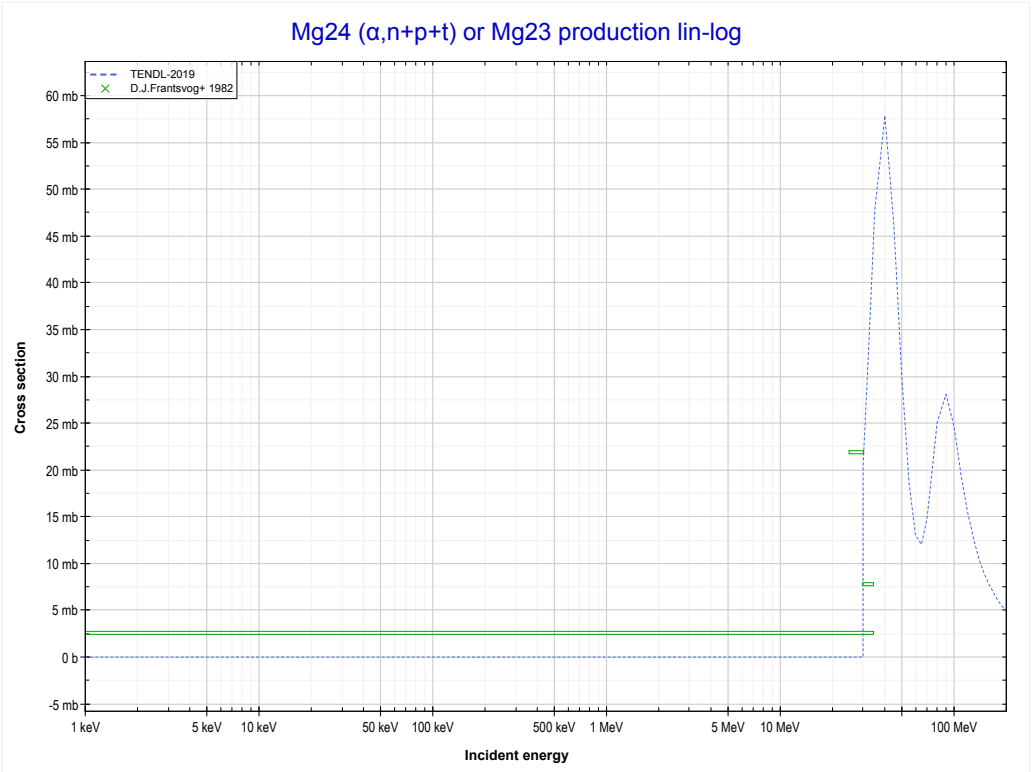
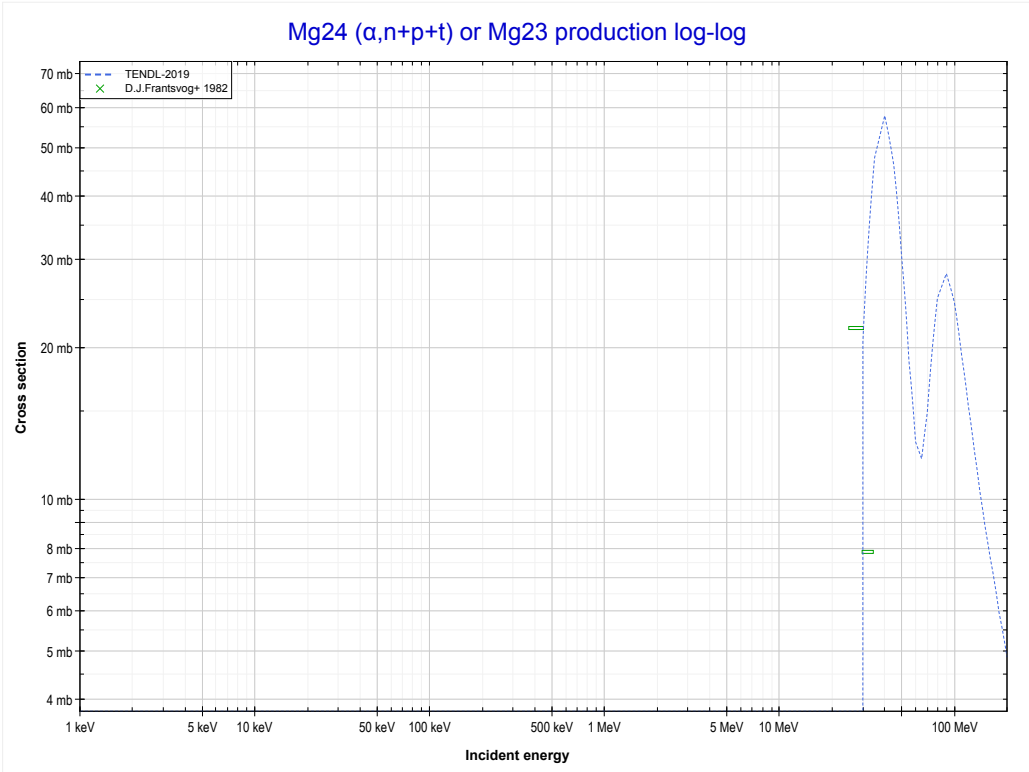
Reaction	Q-Value
Mg24($\alpha,n+\alpha$)Mg23	-16531.38 keV
Mg24($\alpha,d+t$)Mg23	-34120.67 keV
Mg24($\alpha,n+p+t$)Mg23	-36345.24 keV
Mg24($\alpha,2n+\text{He3}$)Mg23	-37109.00 keV
Mg24($\alpha,n+2d$)Mg23	-40377.90 keV
Mg24($\alpha,2n+p+d$)Mg23	-42602.47 keV
Mg24($\alpha,3n+2p$)Mg23	-44827.04 keV

<< 8-O-16	12-Mg-24	21-Sc-45 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Mg23 production)	MT184 ($\alpha,n+p+t$) >>



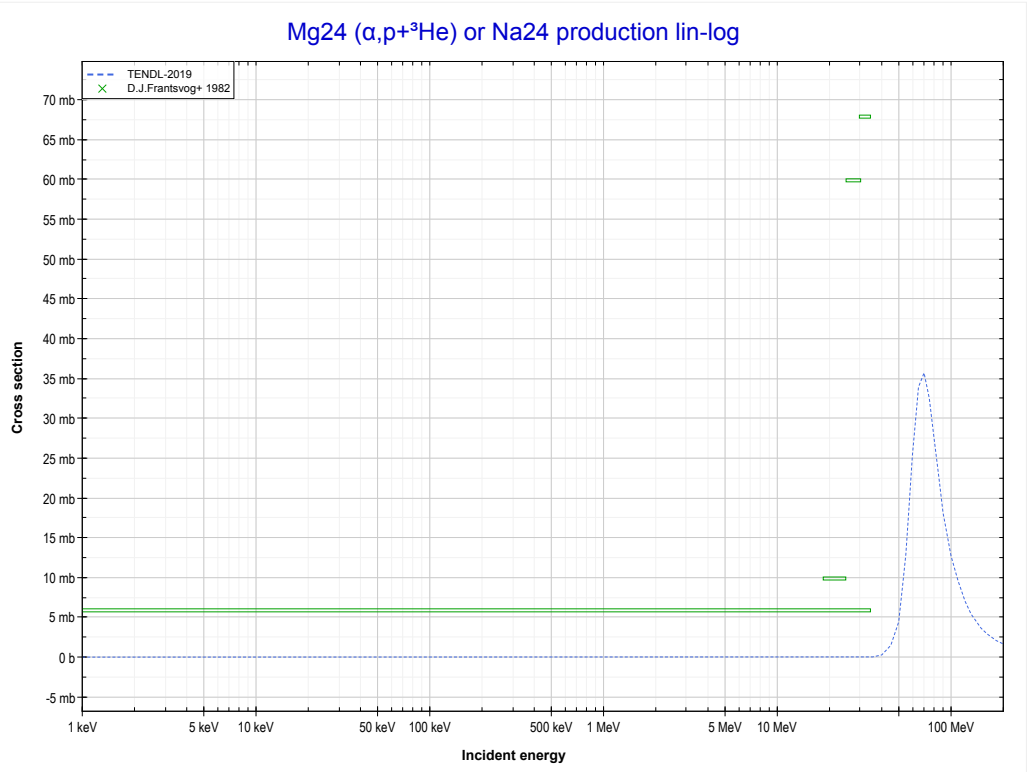
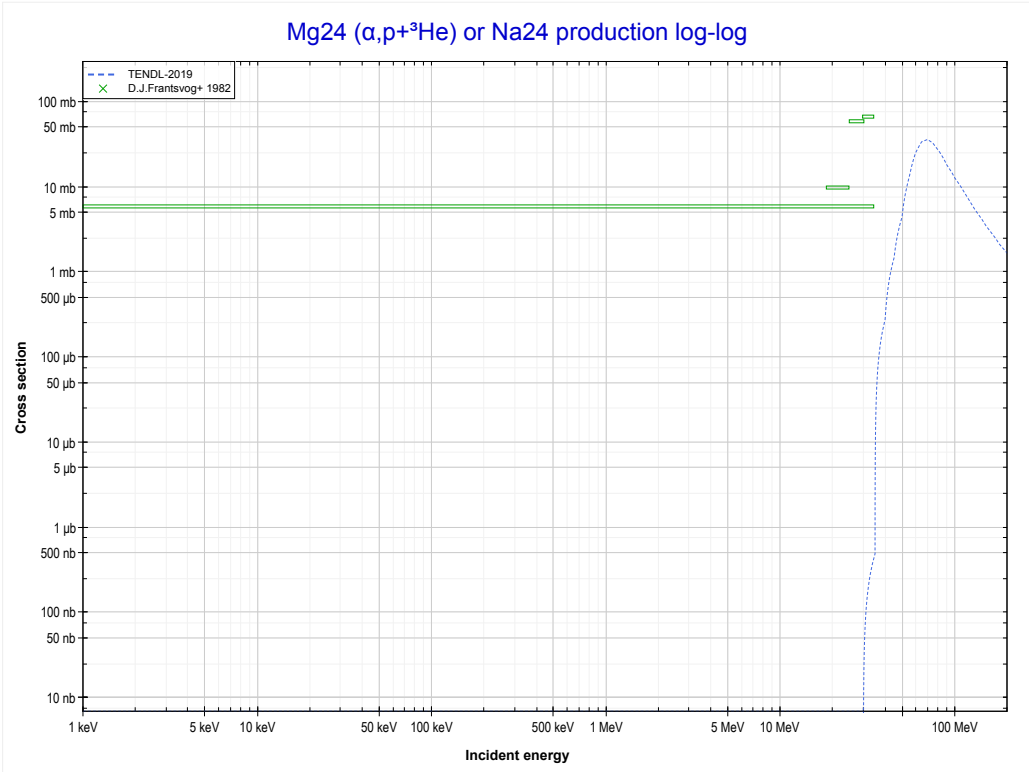
Reaction	Q-Value
Mg24($\alpha,n+\alpha$)Mg23	-16531.38 keV
Mg24($\alpha,d+t$)Mg23	-34120.67 keV
Mg24($\alpha,n+p+t$)Mg23	-36345.24 keV
Mg24($\alpha,2n+He3$)Mg23	-37109.00 keV
Mg24($\alpha,n+2d$)Mg23	-40377.90 keV
Mg24($\alpha,2n+p+d$)Mg23	-42602.47 keV
Mg24($\alpha,3n+2p$)Mg23	-44827.04 keV

<< 8-O-16	12-Mg-24	21-Sc-45 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Mg23 production)	MT191 (α,p+³He) >>



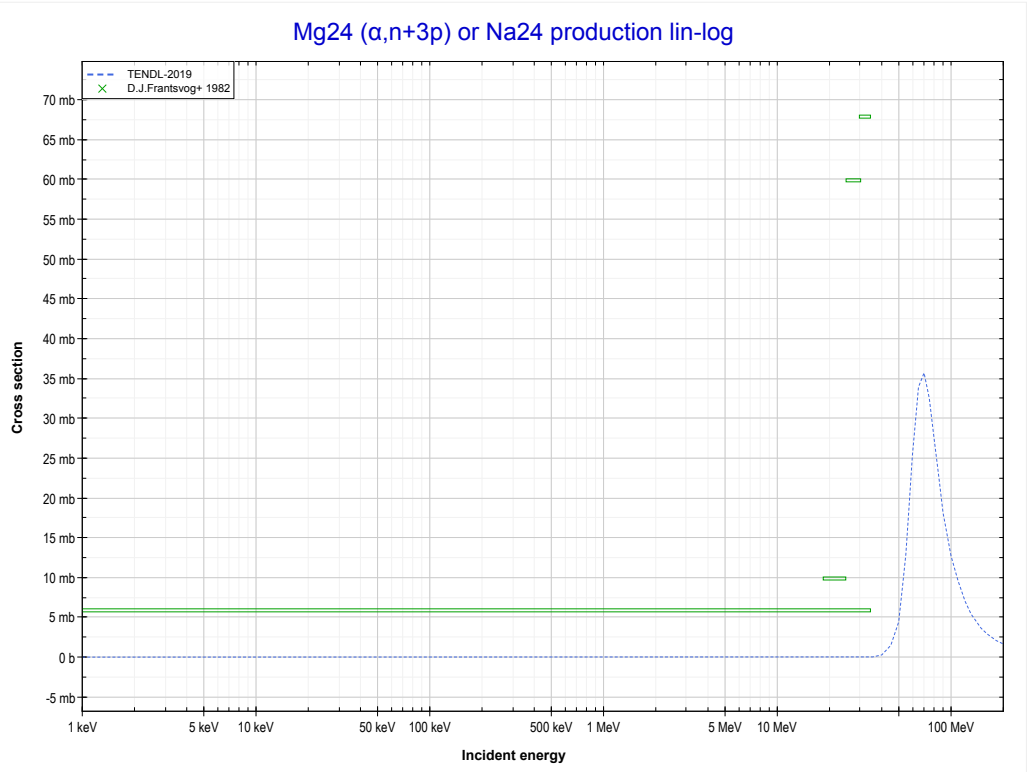
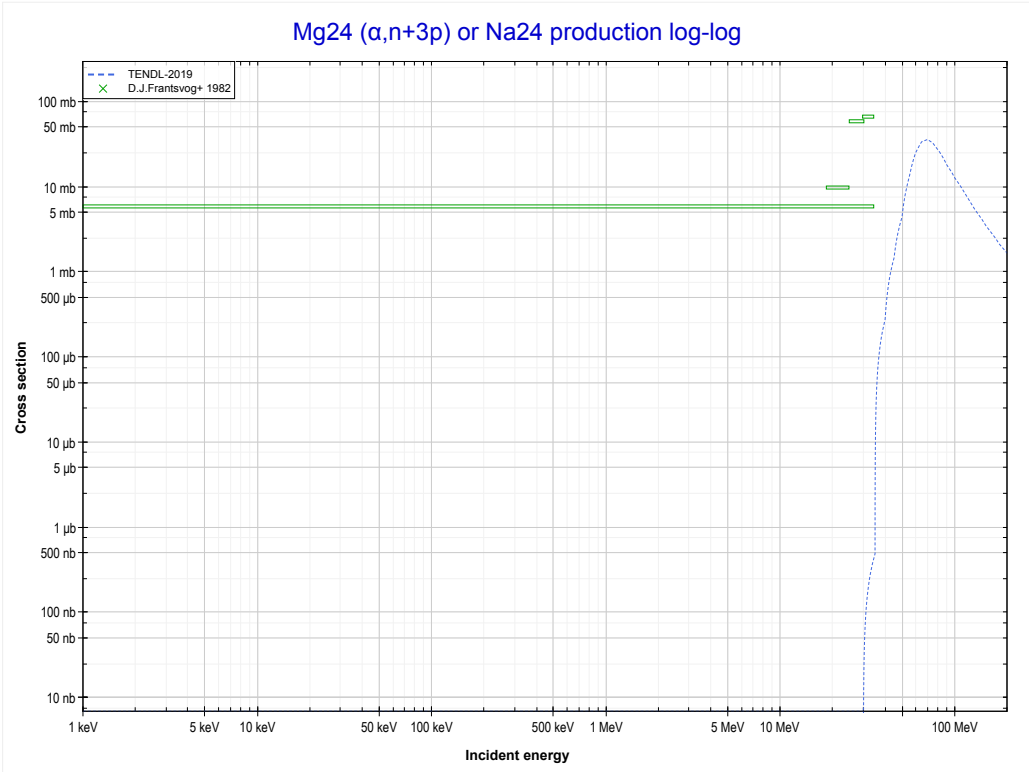
Reaction	Q-Value
Mg24(α,n+α)Mg23	-16531.38 keV
Mg24(α,d+t)Mg23	-34120.67 keV
Mg24(α,n+p+t)Mg23	-36345.24 keV
Mg24(α,2n+He3)Mg23	-37109.00 keV
Mg24(α,n+2d)Mg23	-40377.90 keV
Mg24(α,2n+p+d)Mg23	-42602.47 keV
Mg24(α,3n+2p)Mg23	-44827.04 keV

<< 7-N-14	12-Mg-24	13-Al-27 >>
<< MT184 (α,n+p+t)	MT191 (α,p+ ³ He) or MT5 (Na24 production)	MT198 (α,n+3p) >>



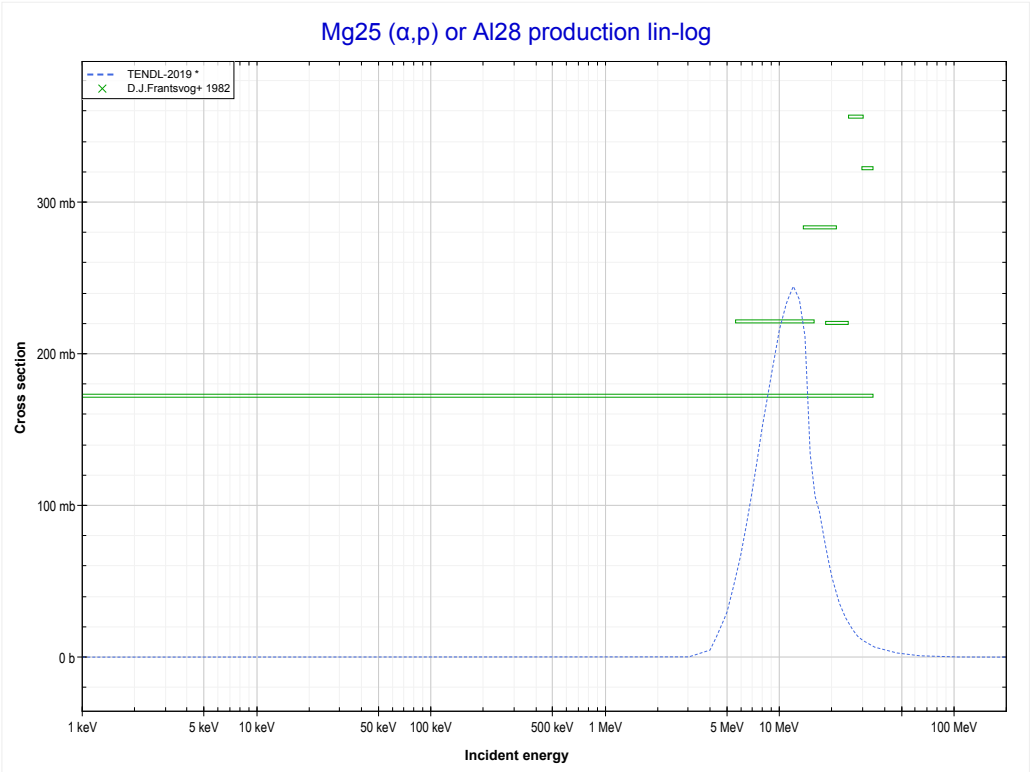
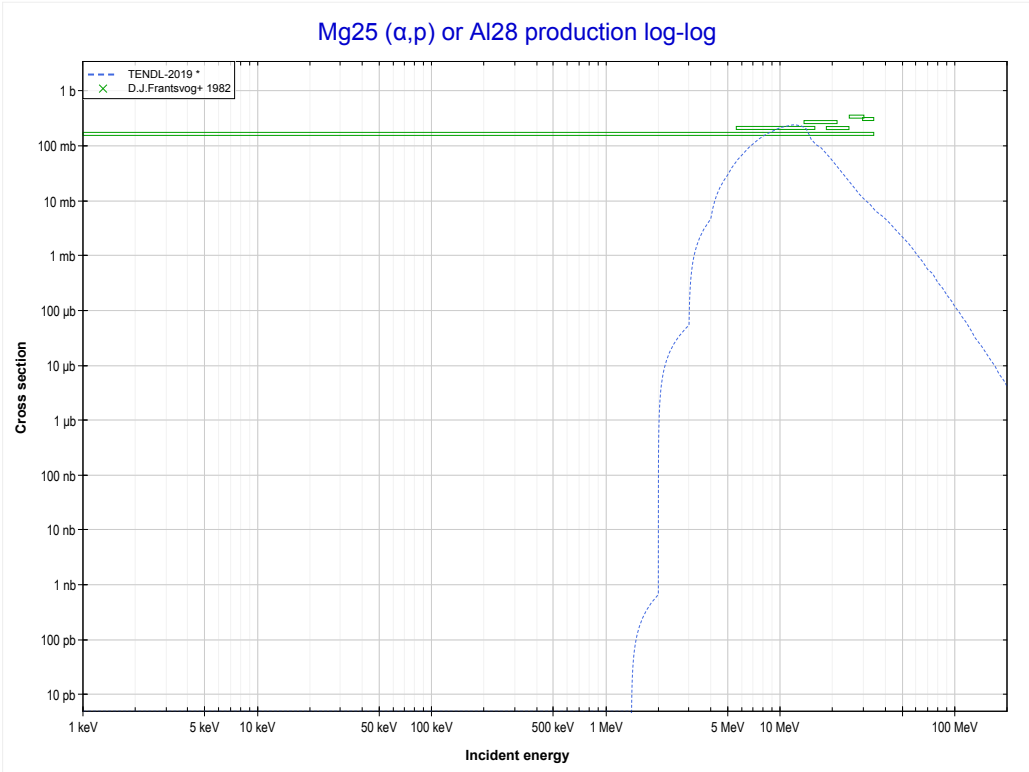
Reaction	Q-Value
Mg24(α,p+He3)Na24	-25310.94 keV
Mg24(α,2p+d)Na24	-30804.42 keV
Mg24(α,n+3p)Na24	-33028.98 keV

<< 7-N-14	12-Mg-24	13-Al-27 >>
<< MT191 (α ,p+ ^3He)	MT198 (α ,n+3p) or MT5 (Na24 production)	12-Mg-25 MT103 (α ,p) >>



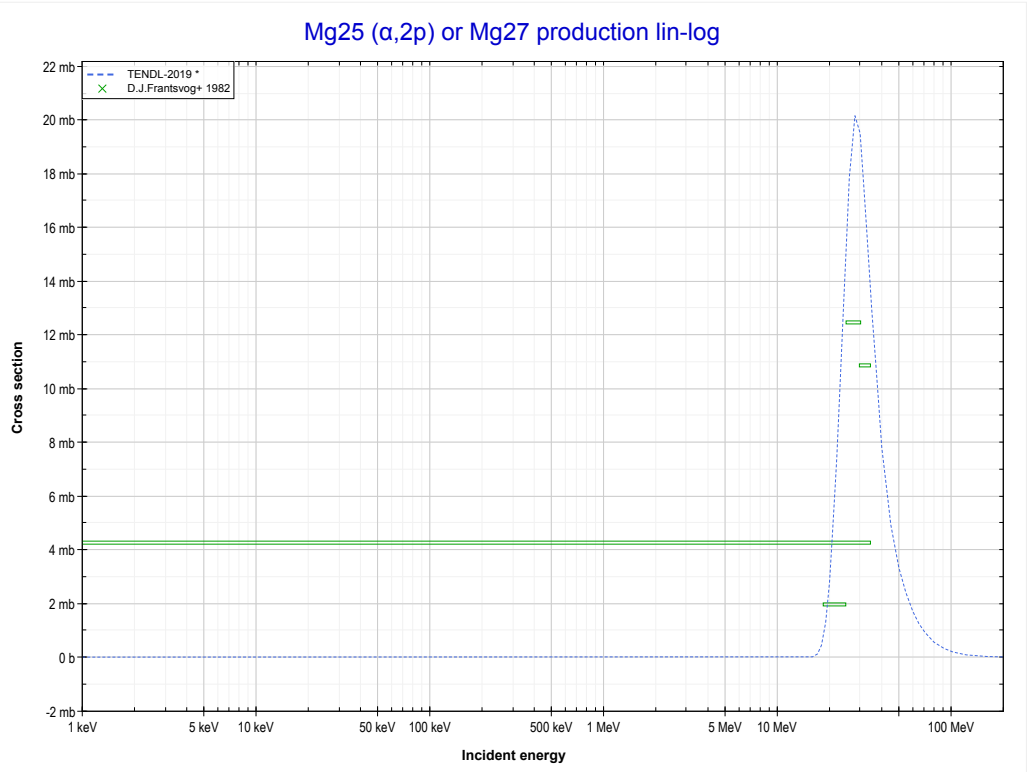
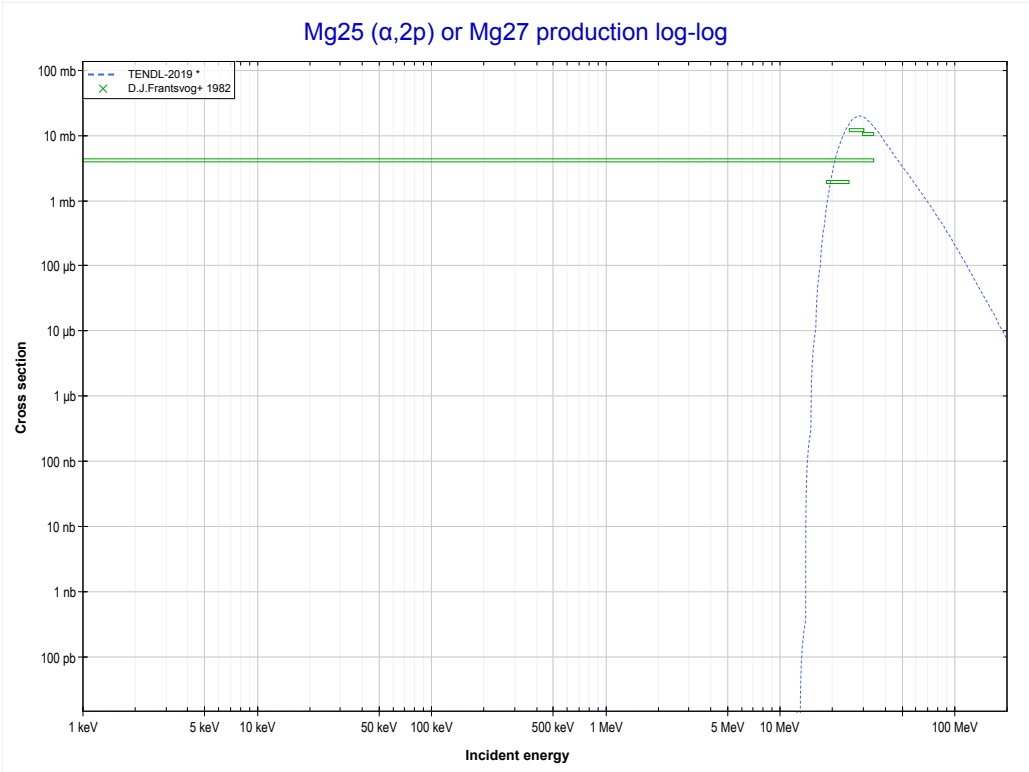
Reaction	Q-Value
Mg24(α ,p+He3)Na24	-25310.94 keV
Mg24(α ,2p+d)Na24	-30804.42 keV
Mg24(α ,n+3p)Na24	-33028.98 keV

<< 9-F-19	12-Mg-25	12-Mg-26 >>
<< 12-Mg-24 MT198 (α,n+3p)	MT103 (α,p) or MT5 (Al28 production)	MT111 (α,2p) >>



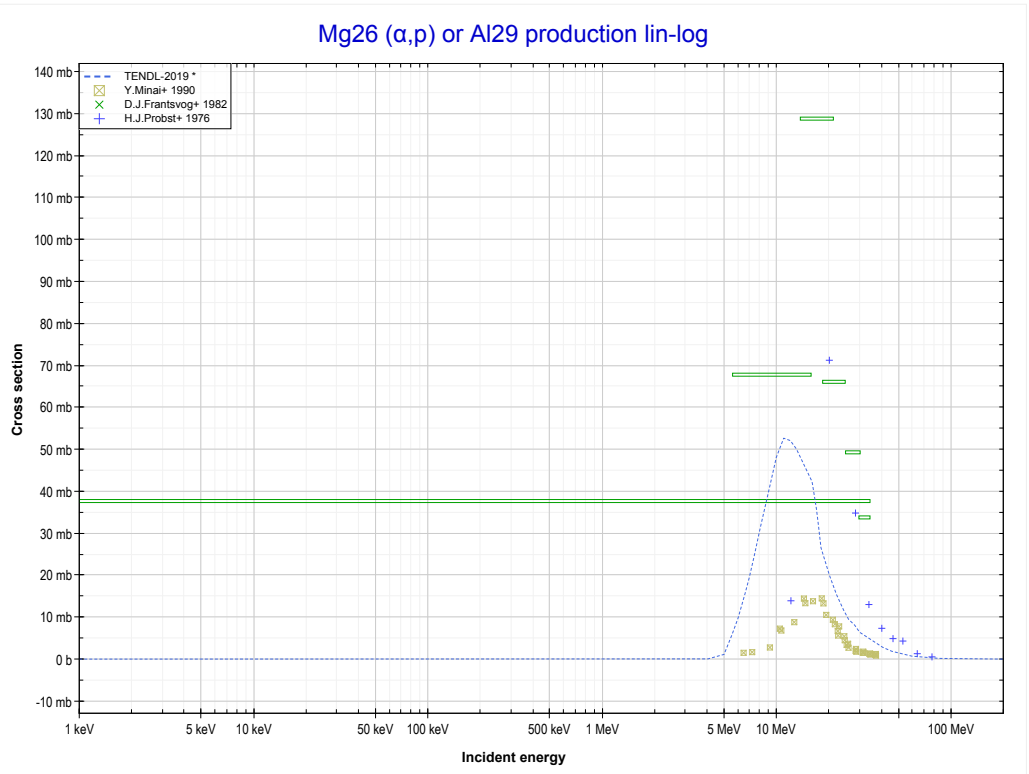
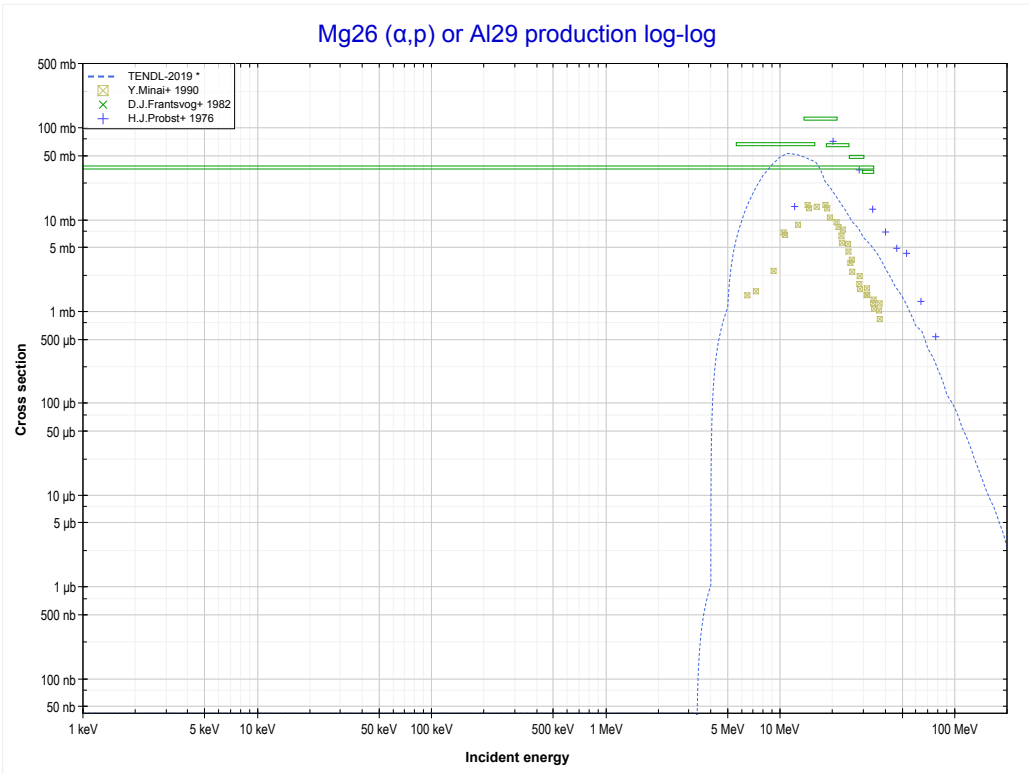
Reaction	Q-Value
Mg25(α,p)Al28	-1206.20 keV

<< 6-C-12	12-Mg-25	12-Mg-26 >>
<< MT103 (α,p)	MT111 (α,2p) or MT5 (Mg27 production)	12-Mg-26 MT103 (α,p) >>



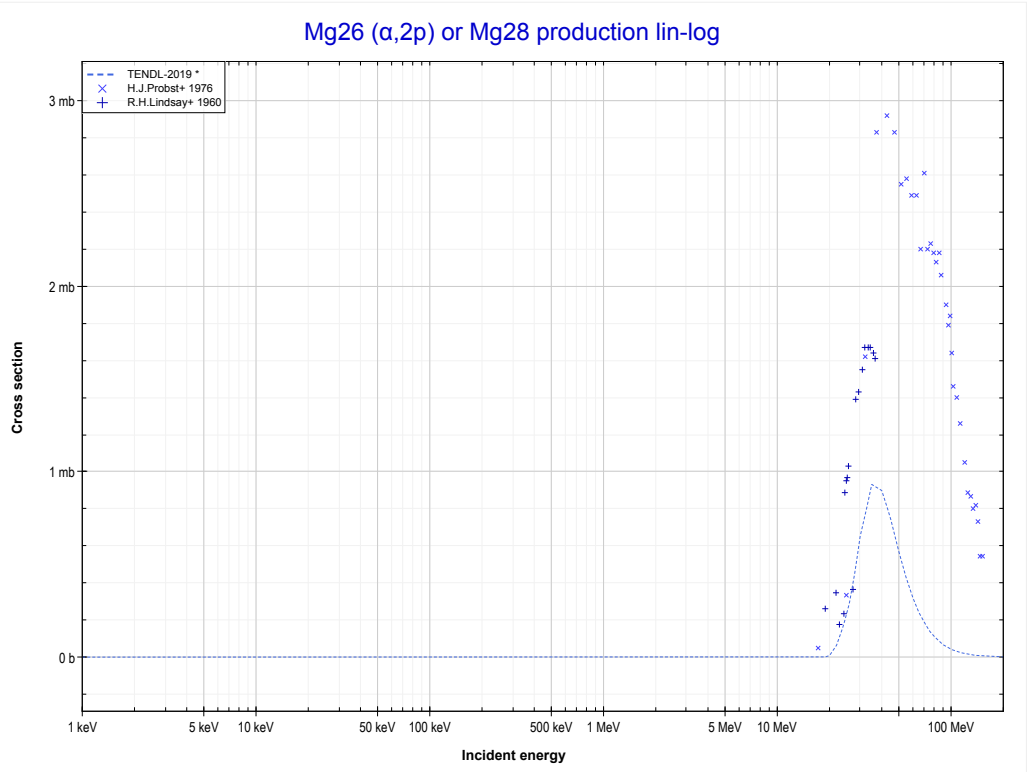
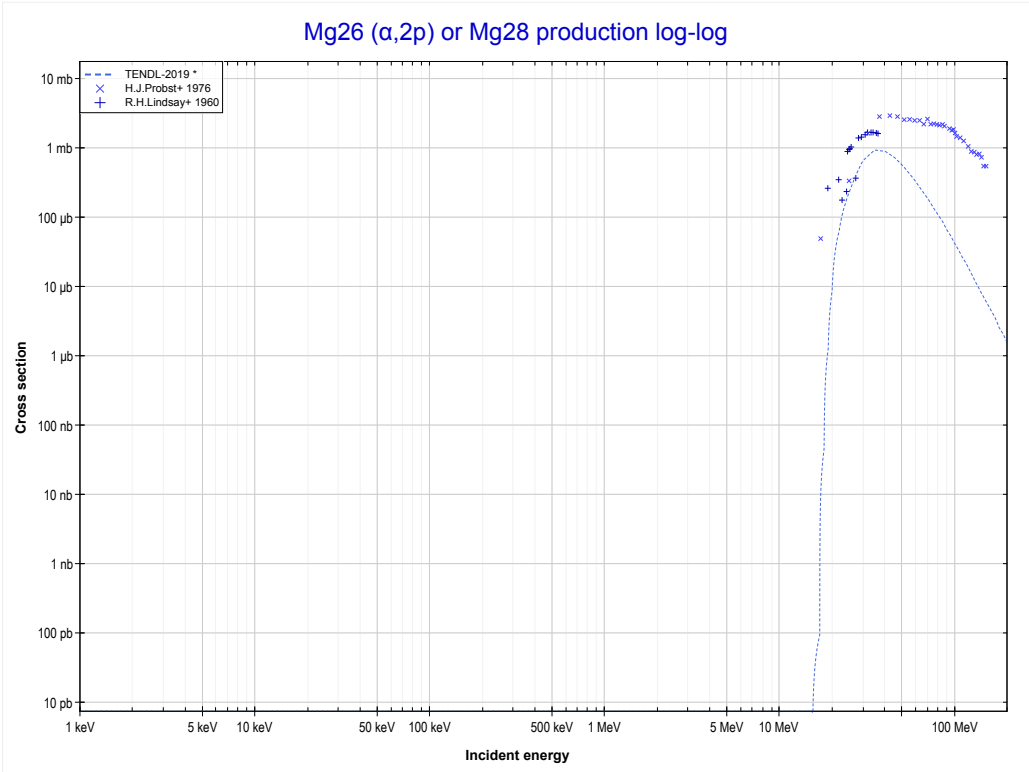
Reaction	Q-Value
Mg25(α,2p)Mg27	-10759.20 keV

<< 12-Mg-25	12-Mg-26	18-Ar-40 >>
<< 12-Mg-25 MT111 (α,2p)	MT103 (α,p) or MT5 (Al29 production)	MT111 (α,2p) >>



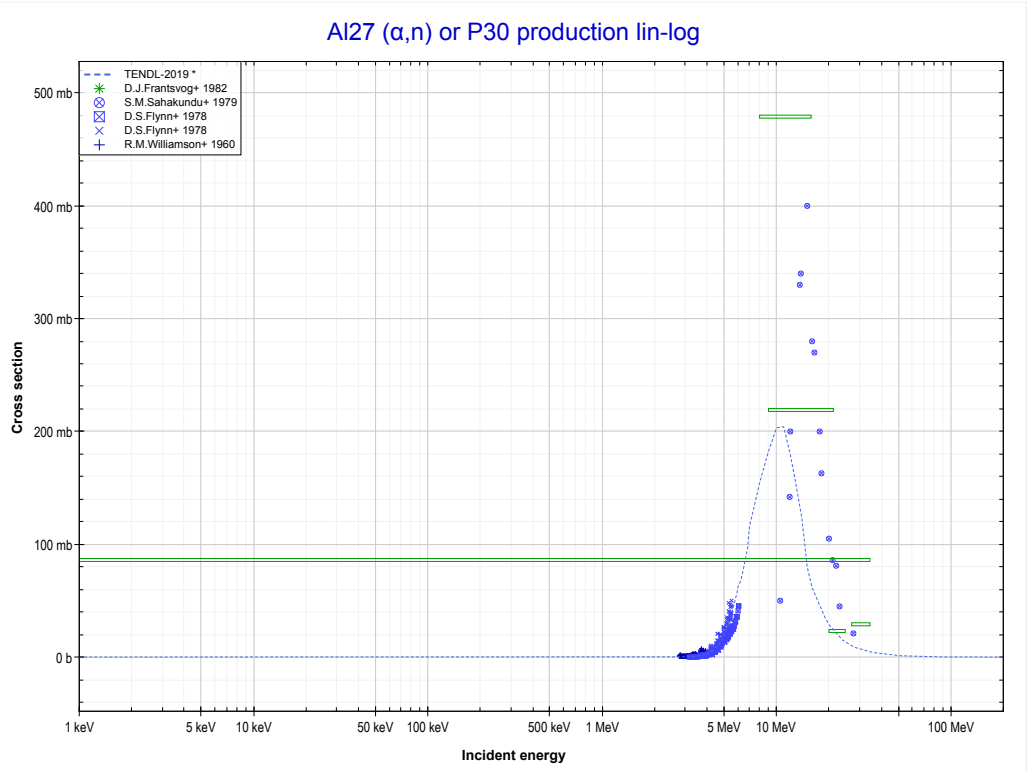
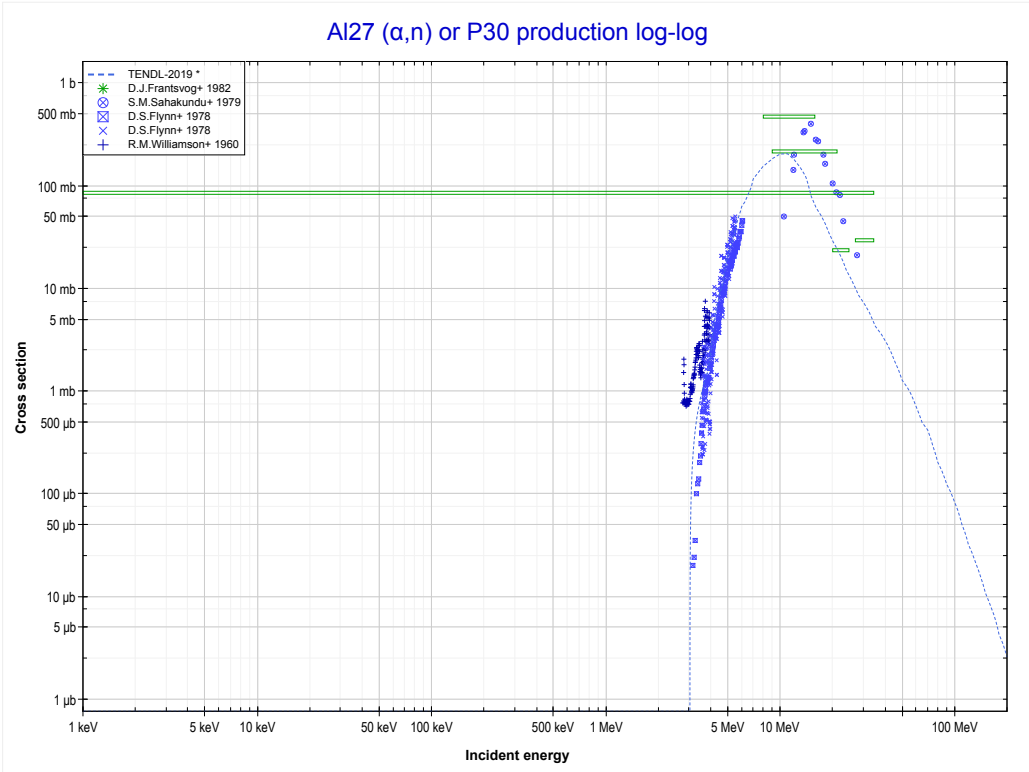
Reaction	Q-Value
Mg26(α,p)Al29	-2870.80 keV

<< 12-Mg-25	12-Mg-26	13-Al-27 >>
<< MT103 (α,p)	MT111 (α,2p) or MT5 (Mg28 production)	13-Al-27 MT4 (α,n) >>



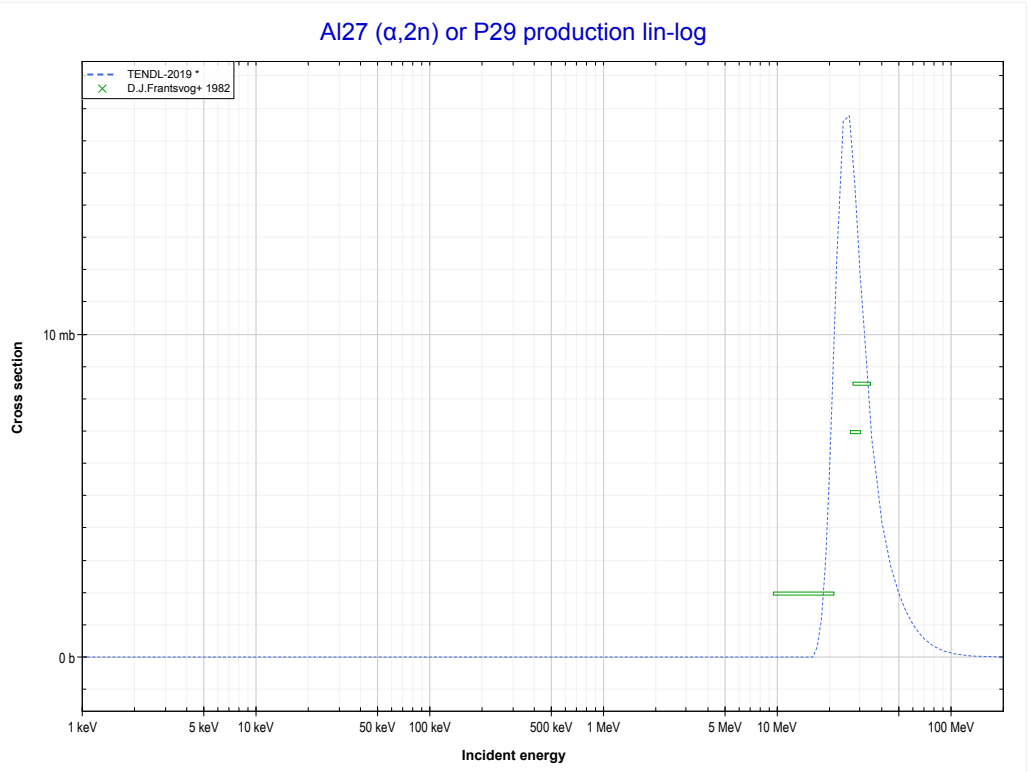
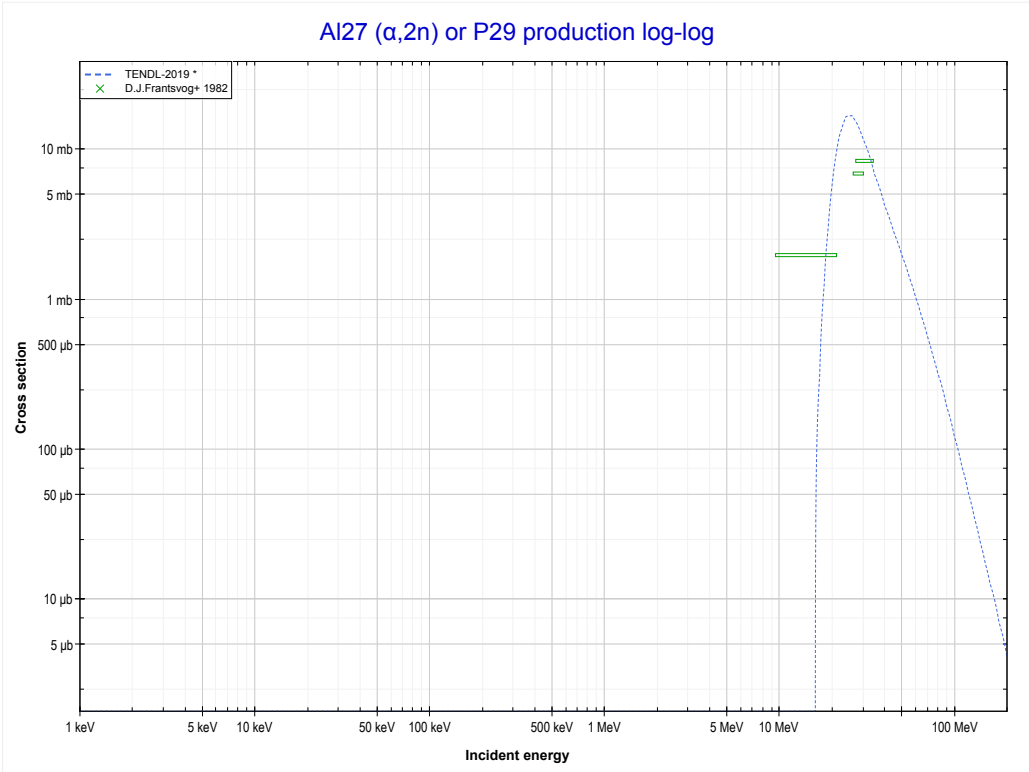
Reaction	Q-Value
Mg26(α,2p)Mg28	-13348.77 keV

<< 12-Mg-24	13-Al-27	14-Si-28 >>
<< 12-Mg-26 MT111 (α,2p)	MT4 (α,n) or MT5 (P30 production)	MT16 (α,2n) >>



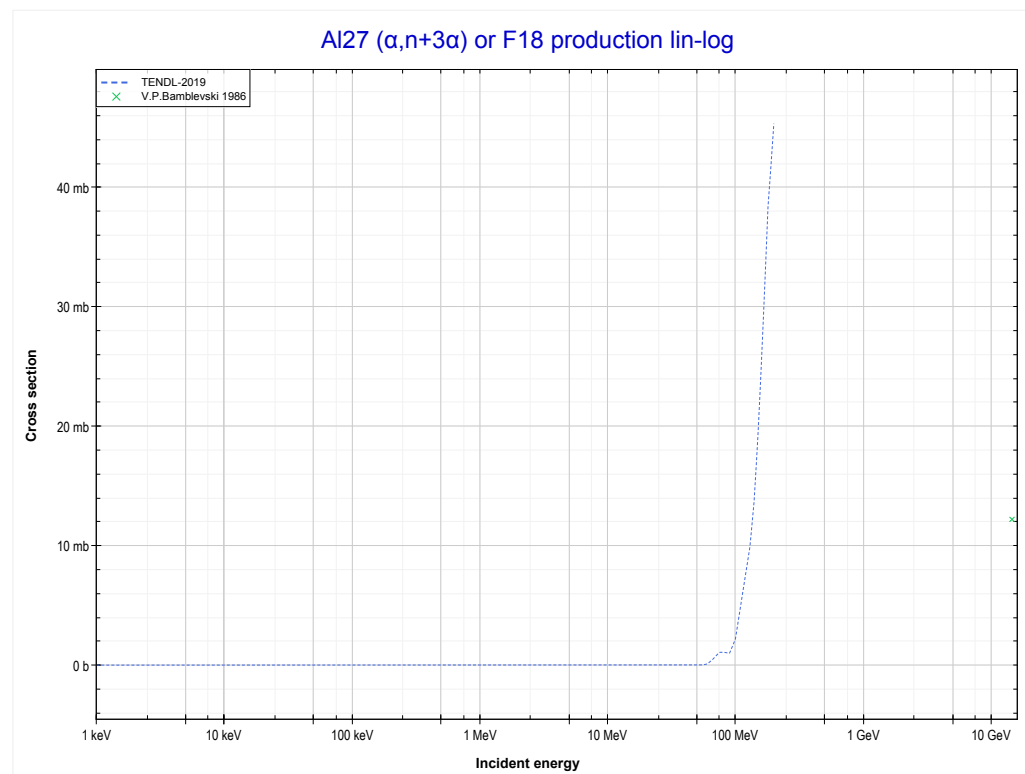
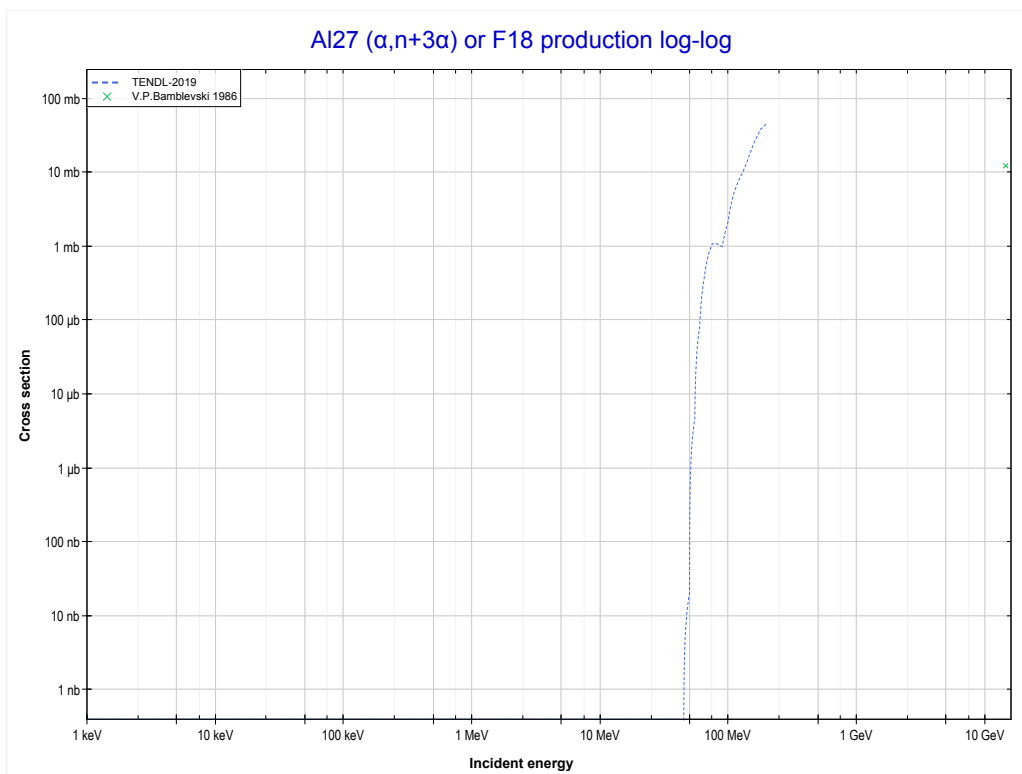
Reaction	Q-Value
Al27(α,n)P30	-2642.41 keV

<< 4-Be-9	13-Al-27	14-Si-28 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (P29 production)	MT23 (α,n+3α) >>



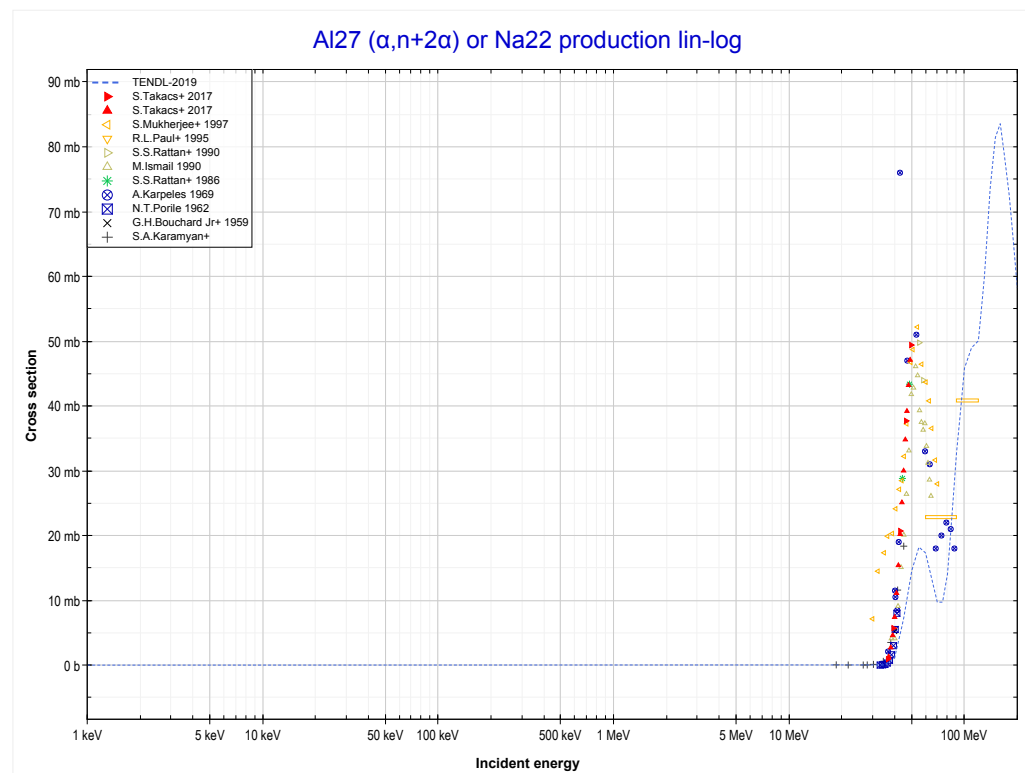
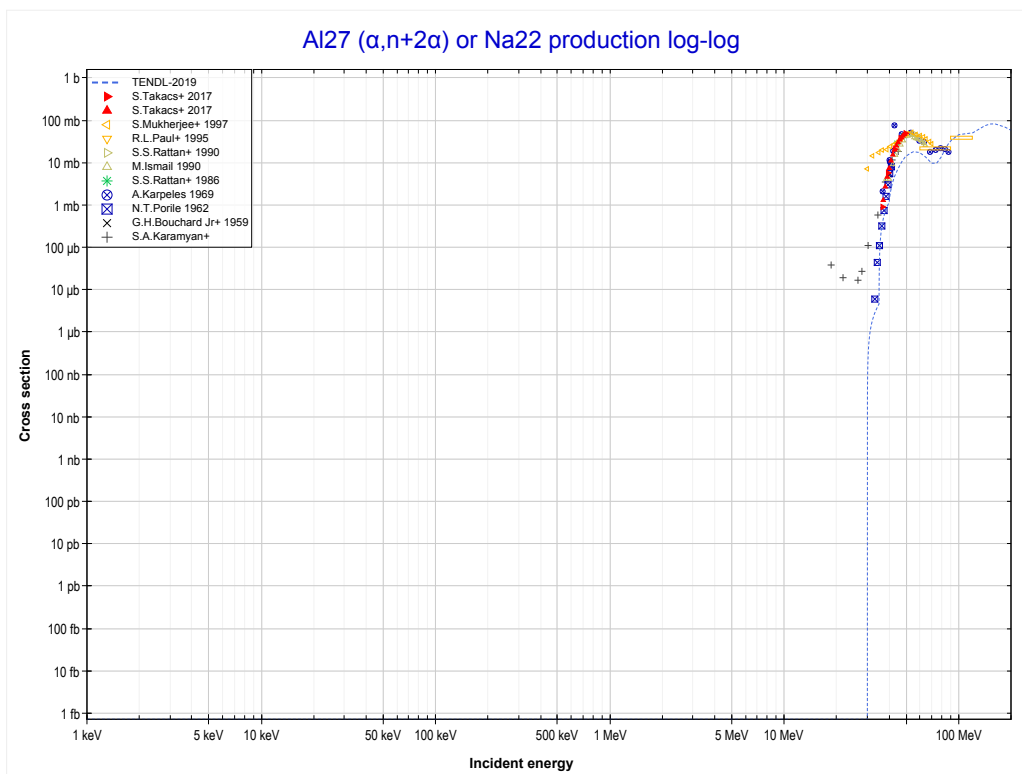
Reaction	Q-Value
Al27(α,2n)P29	-13961.78 keV

<< 8-O-16	13-Al-27	41-Nb-93 >>
<< MT16 ($\alpha,2n$)	MT23 ($\alpha,n+3\alpha$) or MT5 (F18 production)	MT29 ($\alpha,n+2\alpha$) >>



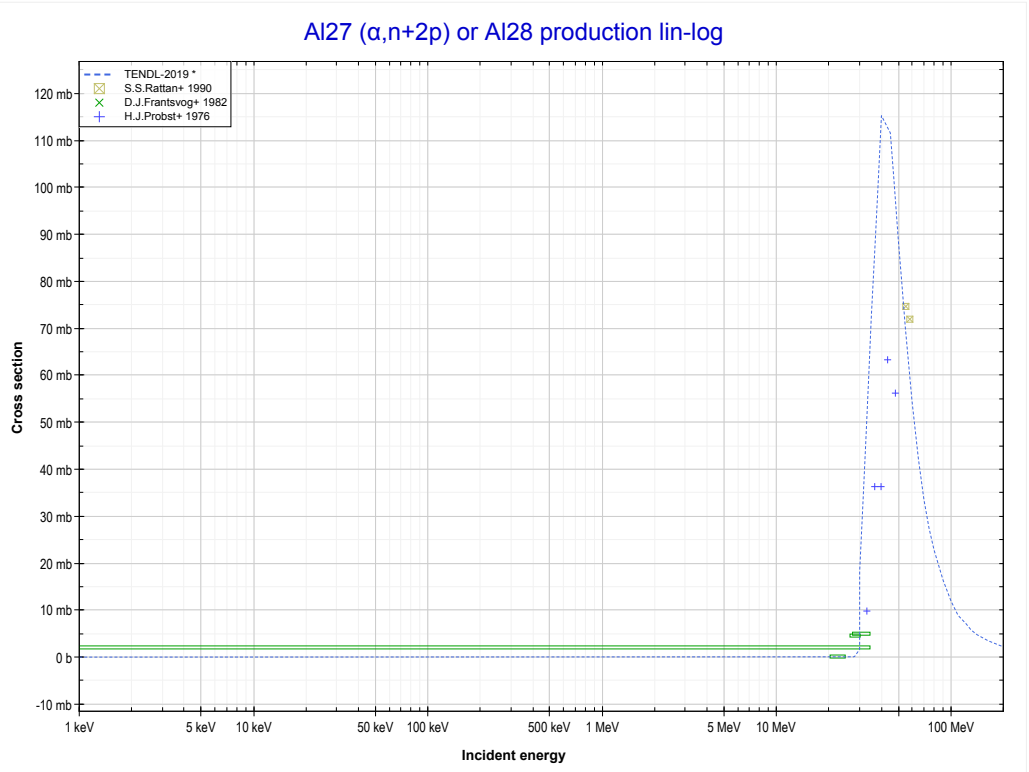
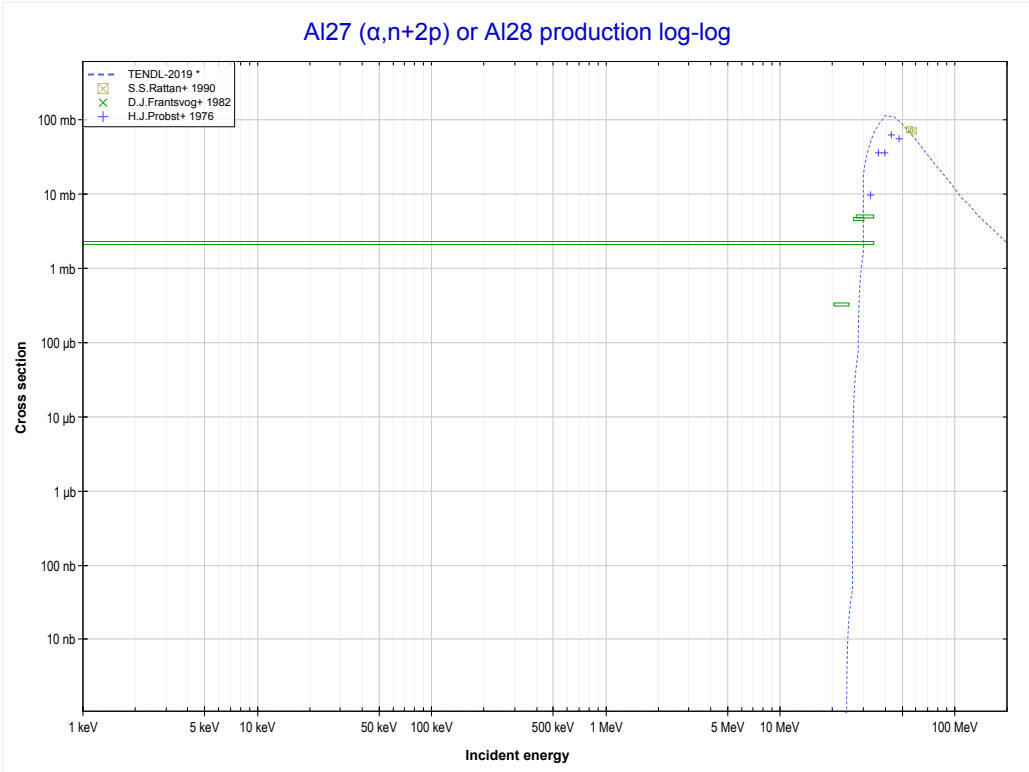
Reaction	Q-Value	Reaction	Q-Value
Al27($\alpha,n+3\alpha$)F18	-30991.11 keV	Al27($\alpha,p+d+2t+\alpha$)F18	-68394.27 keV
Al27($\alpha,d+t+2\alpha$)F18	-48580.41 keV	Al27($\alpha,n+d+t+\text{He3}+\alpha$)F18	-69158.03 keV
Al27($\alpha,n+p+t+2\alpha$)F18	-50804.97 keV	Al27($\alpha,n+2p+2t+\alpha$)F18	-70618.84 keV
Al27($\alpha,2n+\text{He3}+2\alpha$)F18	-51568.73 keV	Al27($\alpha,2n+p+t+\text{He3}+\alpha$)F18	-71382.59 keV
Al27($\alpha,n+2d+2\alpha$)F18	-54837.64 keV	Al27($\alpha,3n+2\text{He3}+\alpha$)F18	-72146.35 keV
Al27($\alpha,2n+p+d+2\alpha$)F18	-57062.20 keV	Al27($\alpha,3d+t+\alpha$)F18	-72426.94 keV
Al27($\alpha,3n+2p+2\alpha$)F18	-59286.77 keV	Al27($\alpha,n+p+2d+t+\alpha$)F18	-74651.50 keV
Al27($\alpha,2t+\text{He3}+\alpha$)F18	-62900.80 keV	Al27($\alpha,2n+2d+\text{He3}+\alpha$)F18	-75415.26 keV

<< 8-O-16	13-Al-27	23-V-51 >>
<< MT23 ($\alpha, n+3\alpha$)	MT29 ($\alpha, n+2\alpha$) or MT5 (Na22 production)	MT44 ($\alpha, n+2p$) >>



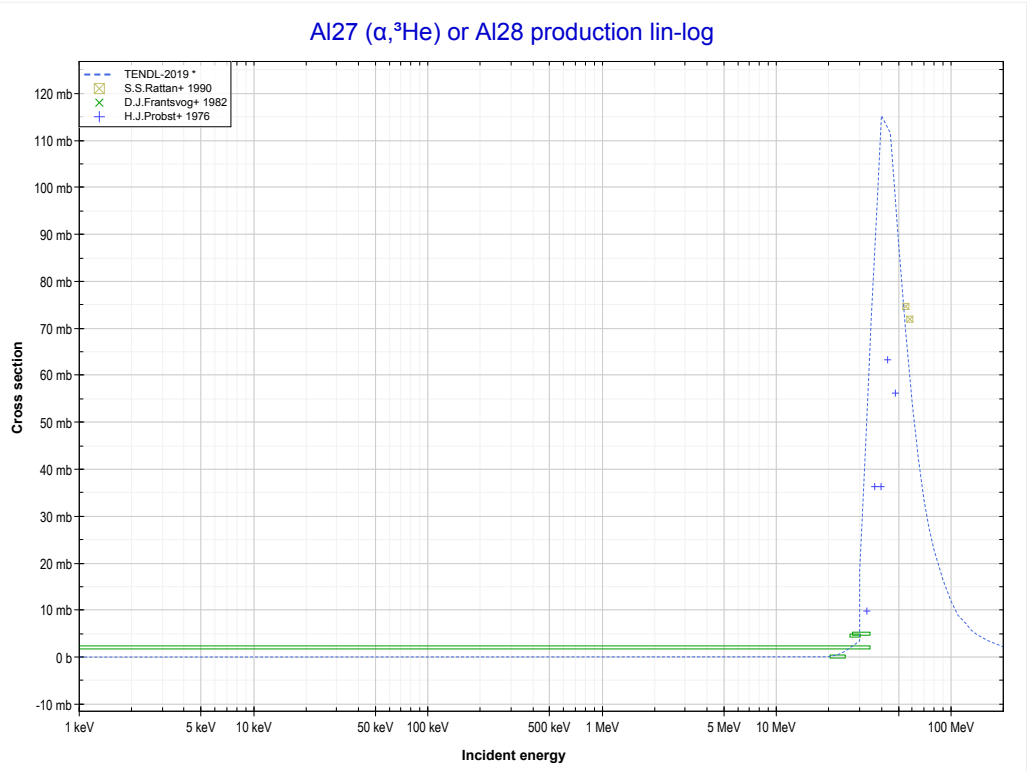
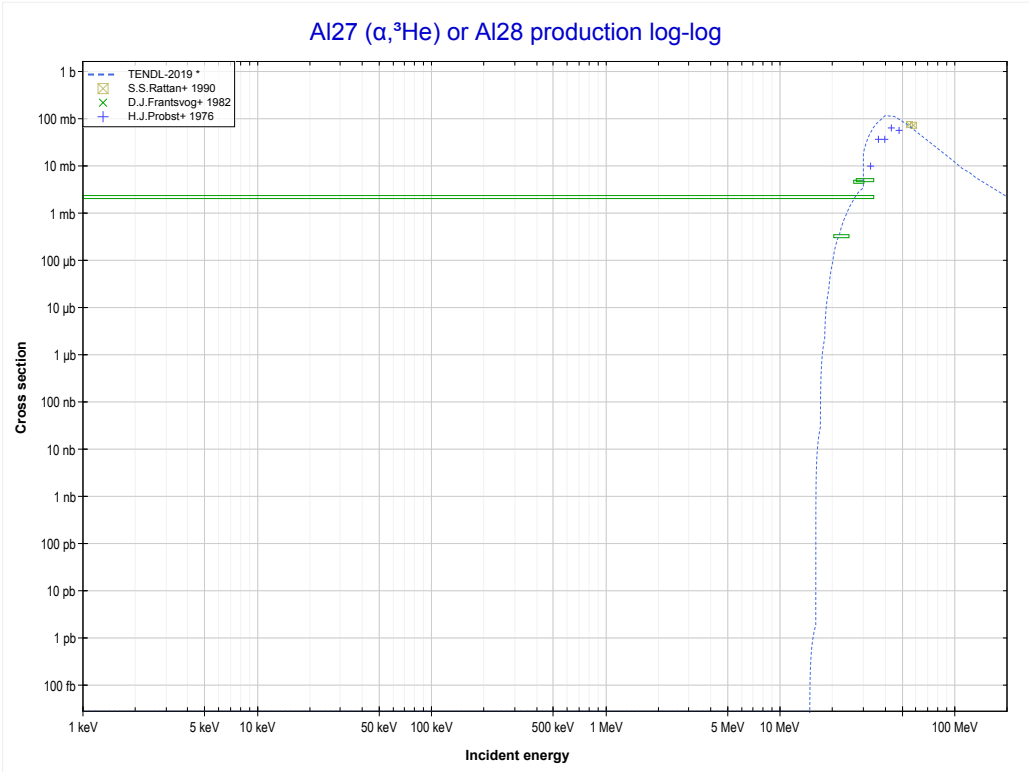
Reaction	Q-Value	Reaction	Q-Value
Al27($\alpha, n+2\alpha$)Na22	-22511.58 keV	Al27($\alpha, p+d+2t$)Na22	-59914.75 keV
Al27($\alpha, d+t+\alpha$)Na22	-40100.88 keV	Al27($\alpha, n+d+t+He3$)Na22	-60678.50 keV
Al27($\alpha, n+p+t+\alpha$)Na22	-42325.45 keV	Al27($\alpha, n+2p+2t$)Na22	-62139.31 keV
Al27($\alpha, 2n+He3+\alpha$)Na22	-43089.20 keV	Al27($\alpha, 2n+p+t+He3$)Na22	-62903.07 keV
Al27($\alpha, n+2d+\alpha$)Na22	-46358.11 keV	Al27($\alpha, 3n+2He3$)Na22	-63666.82 keV
Al27($\alpha, 2n+p+d+\alpha$)Na22	-48582.68 keV	Al27($\alpha, 3d+t$)Na22	-63947.41 keV
Al27($\alpha, 3n+2p+\alpha$)Na22	-50807.24 keV	Al27($\alpha, n+p+2d+t$)Na22	-66171.98 keV
Al27($\alpha, 2t+He3$)Na22	-54421.27 keV	Al27($\alpha, 2n+2d+He3$)Na22	-66935.73 keV

<< 7-N-14	13-Al-27	19-K-41 >>
<< MT29 (α,n+2α)	MT44 (α,n+2p) or MT5 (Al28 production)	MT106 (α, ³ He) >>



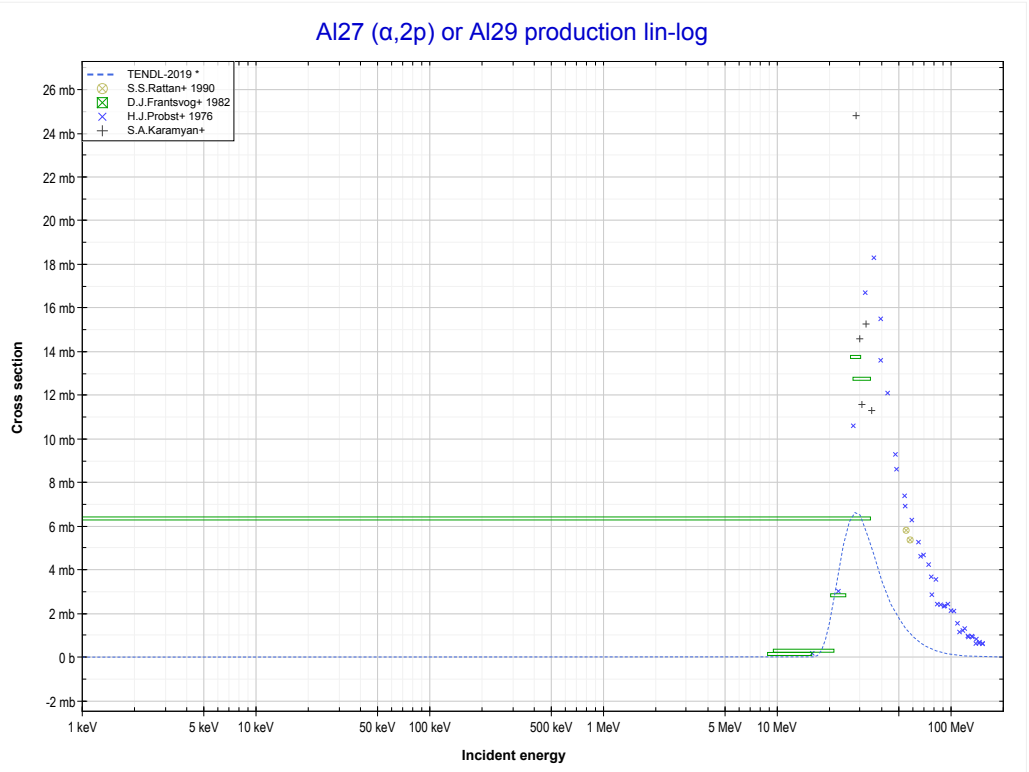
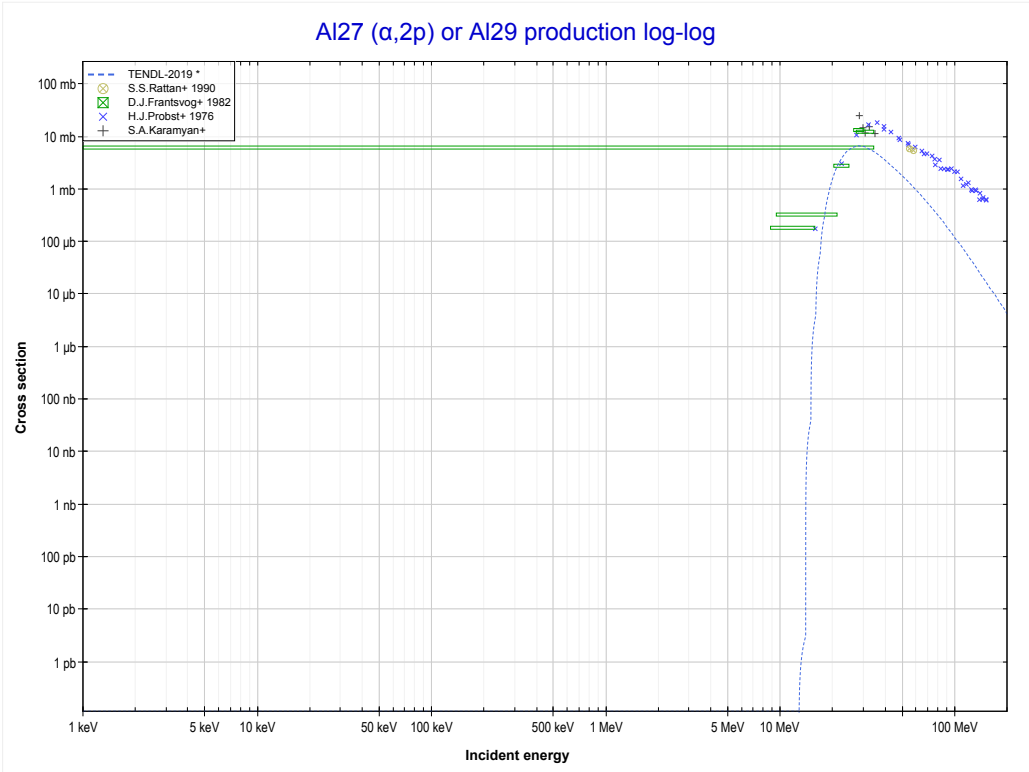
Reaction	Q-Value
Al27(α,He3)Al28	-12852.52 keV
Al27(α,p+d)Al28	-18346.00 keV
Al27(α,n+2p)Al28	-20570.56 keV

<< 7-N-14	13-Al-27	19-K-41 >>
<< MT44 (α,n+2p)	MT106 (α, ³ He) or MT5 (Al28 production)	MT111 (α,2p) >>



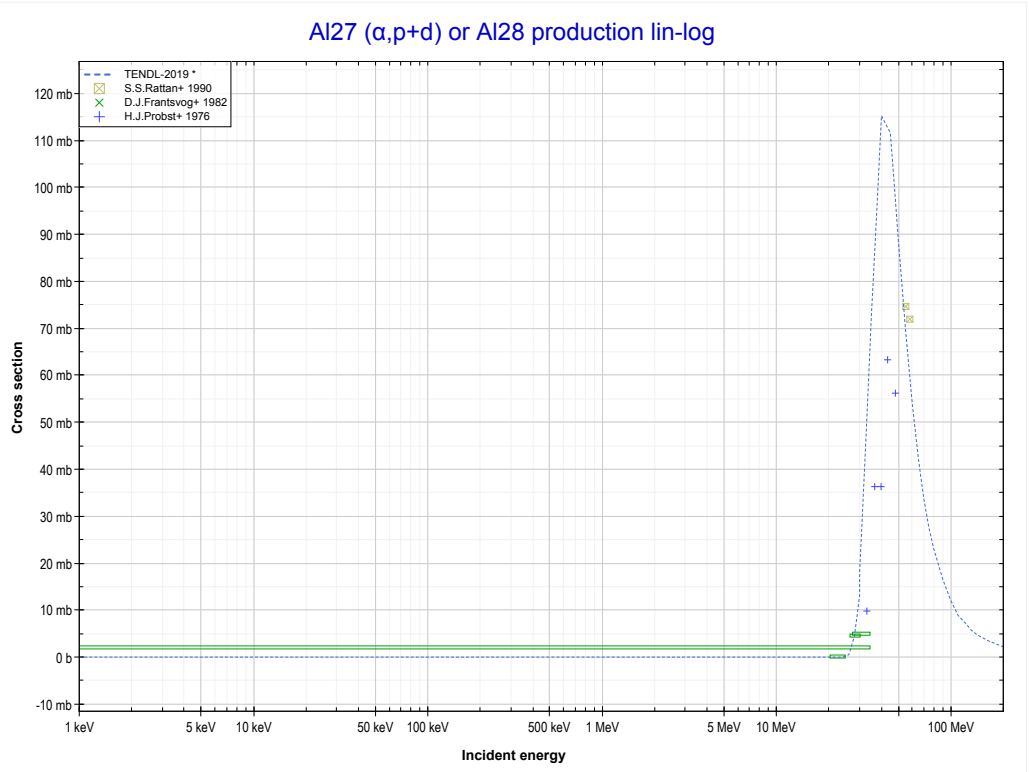
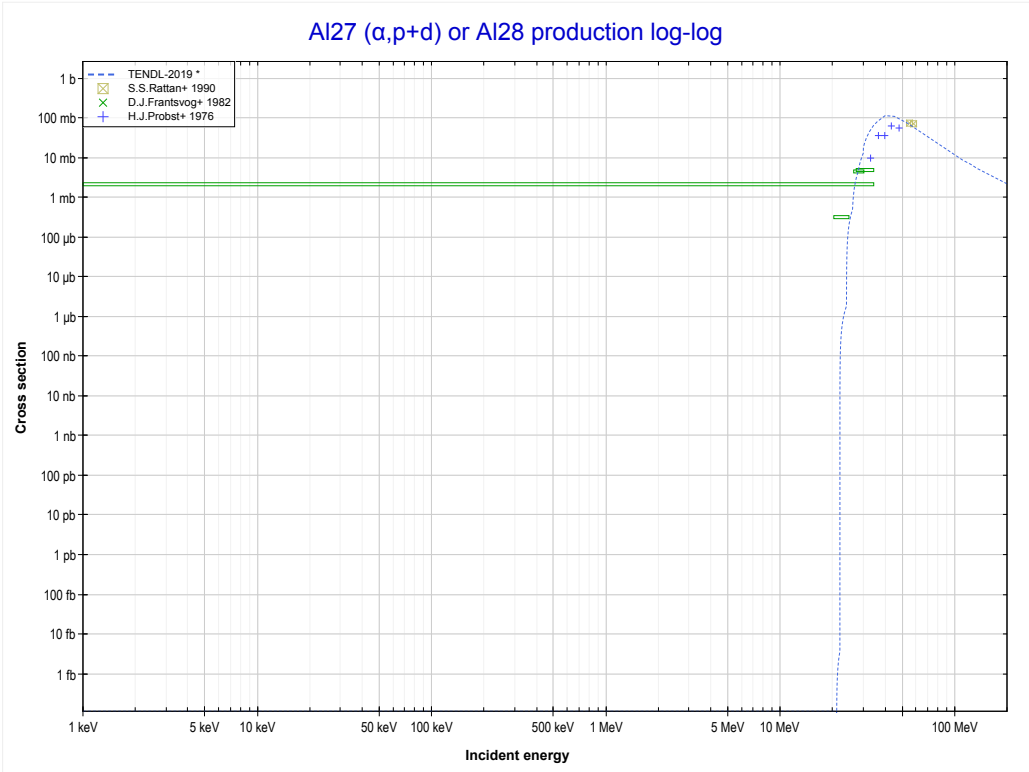
Reaction	Q-Value
Al27(α,He3)Al28	-12852.52 keV
Al27(α,p+d)Al28	-18346.00 keV
Al27(α,n+2p)Al28	-20570.56 keV

<< 12-Mg-26	13-Al-27	17-Cl-37 >>
<< MT106 (α , ^3He)	MT111 (α ,2p) or MT5 (Al29 production)	MT115 (α ,p+d) >>



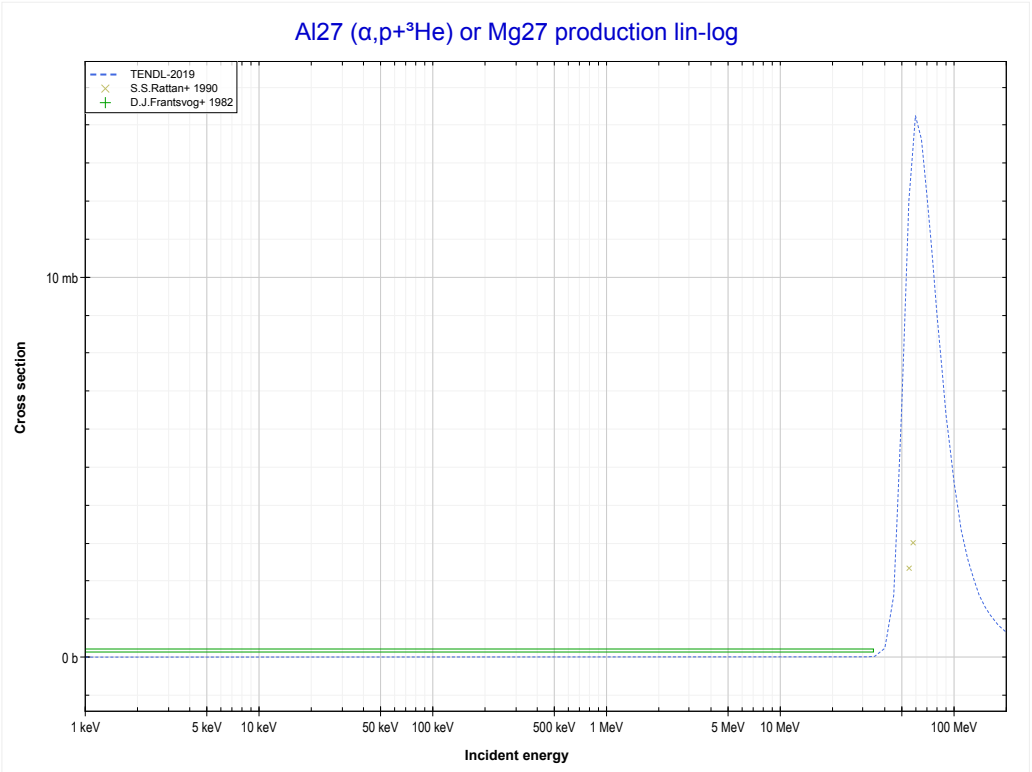
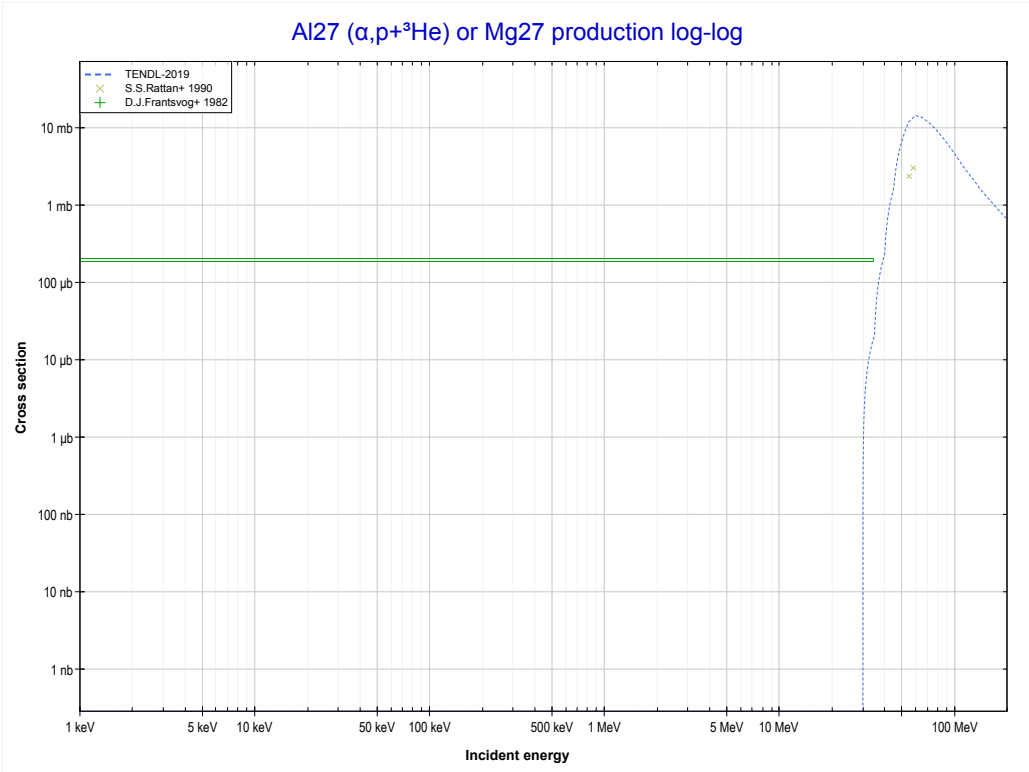
Reaction	Q-Value
Al27(α ,2p)Al29	-11142.09 keV

<< 7-N-14	13-Al-27	19-K-41 >>
<< MT111 (α,2p)	MT115 (α,p+d) or MT5 (Al28 production)	MT191 (α,p+³He) >>



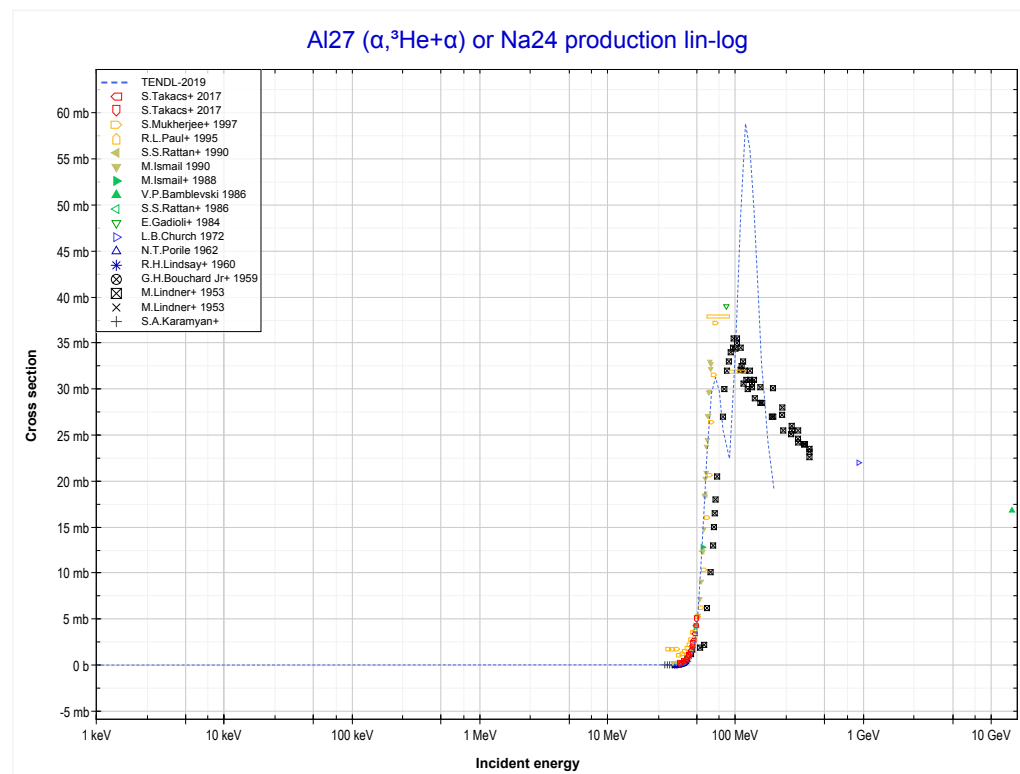
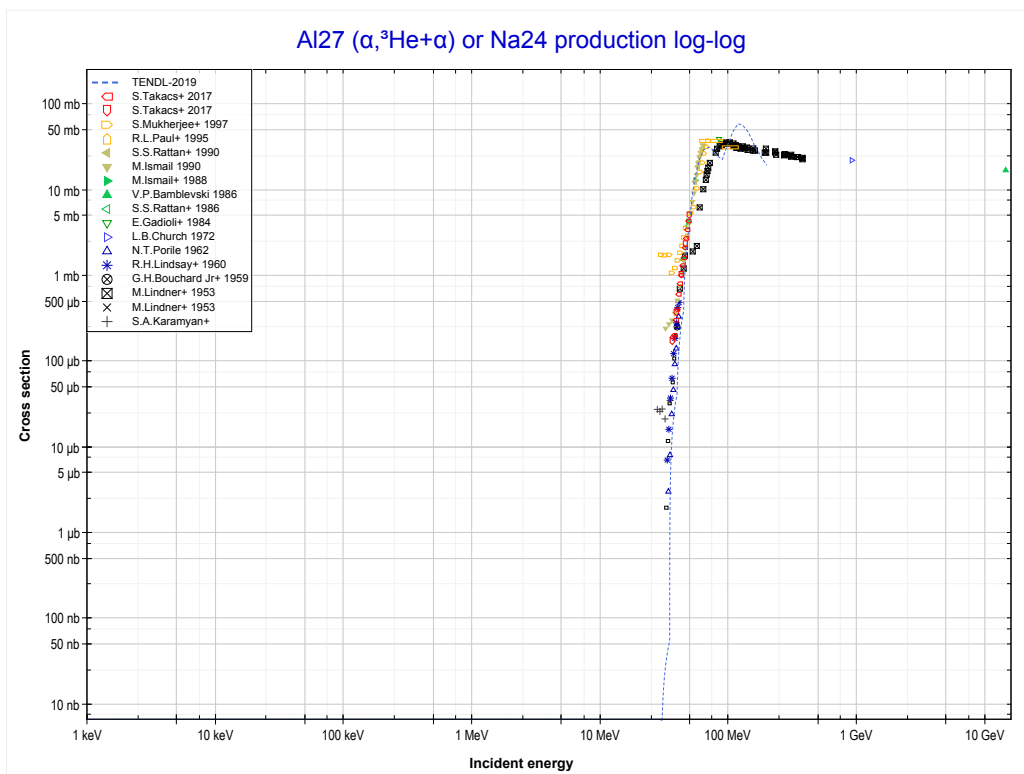
Reaction	Q-Value
Al27(α,He3)Al28	-12852.52 keV
Al27(α,p+d)Al28	-18346.00 keV
Al27(α,n+2p)Al28	-20570.56 keV

<< 12-Mg-24	13-Al-27	27-Co-59 >>
<< MT115 (α,p+d)	MT191 (α,p+³He) or MT5 (Mg27 production)	MT193 (α,³He+α) >>



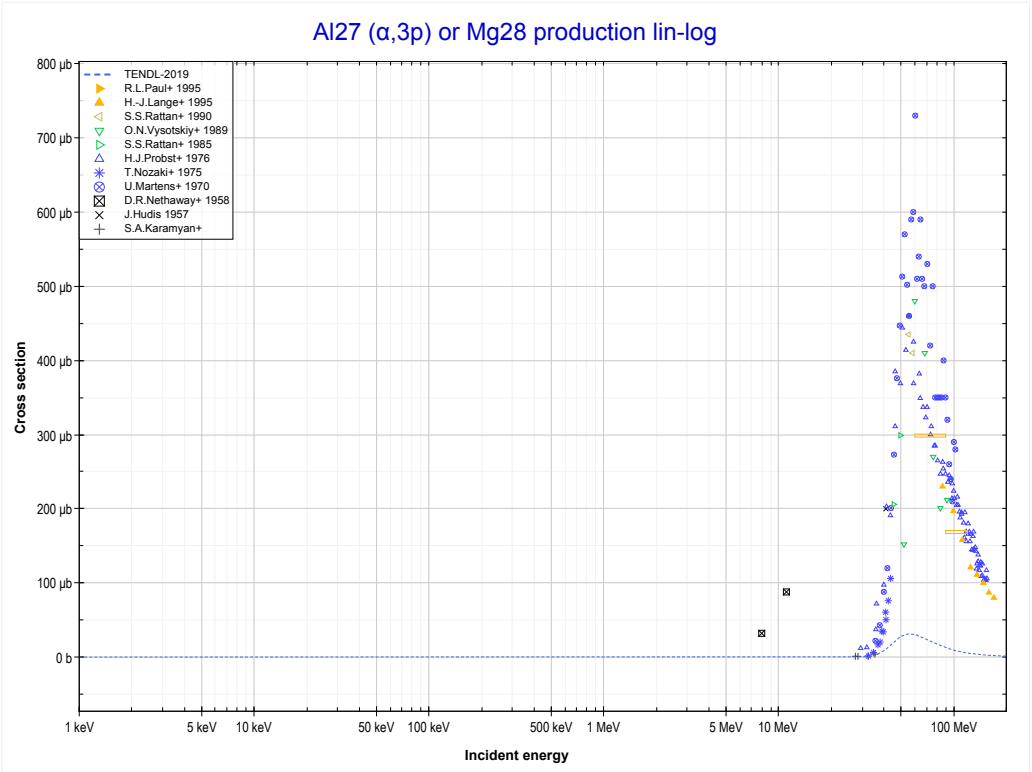
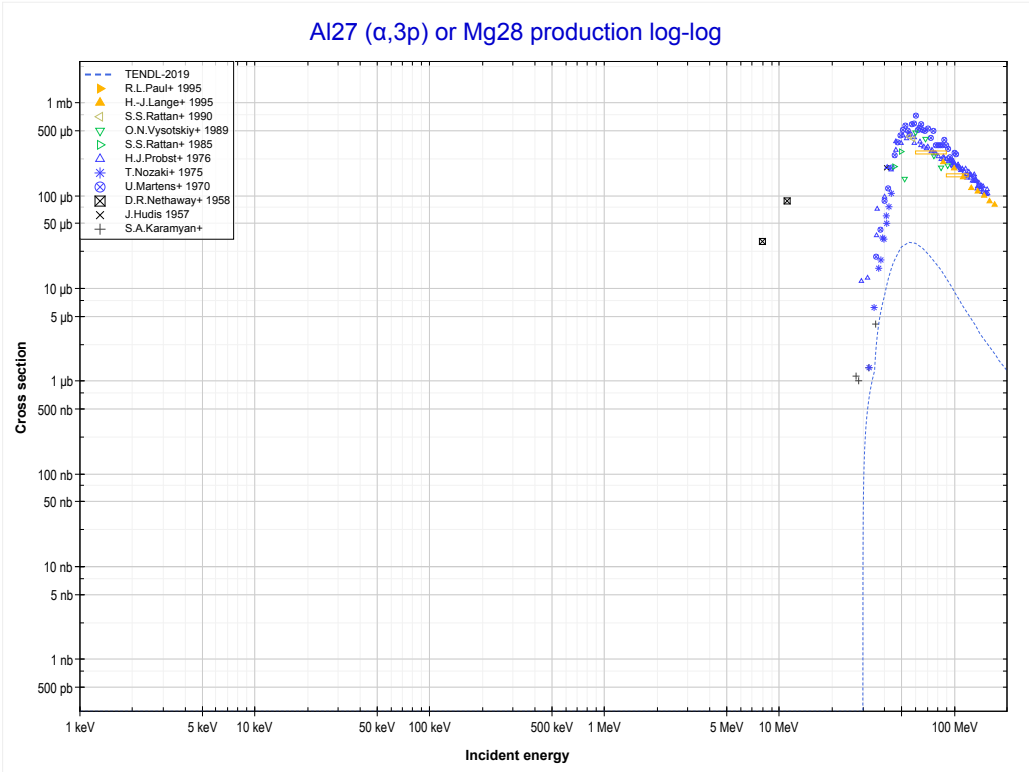
Reaction	Q-Value
Al27(α,p+He3)Mg27	-22405.52 keV
Al27(α,2p+d)Mg27	-27899.00 keV
Al27(α,n+3p)Mg27	-30123.56 keV

<< 7-N-14	13-Al-27	23-V-51 >>
<< MT191 ($\alpha, p+^3\text{He}$)	MT193 ($\alpha, ^3\text{He}+\alpha$) or MT5 (Na24 production)	MT197 ($\alpha, 3p$) >>



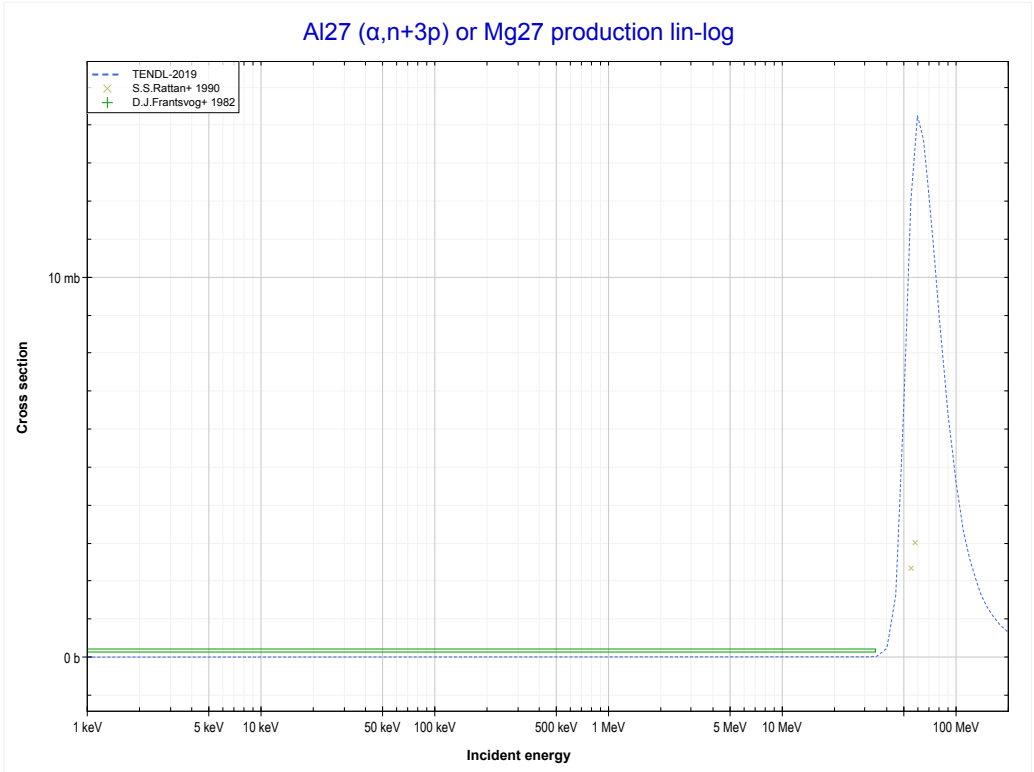
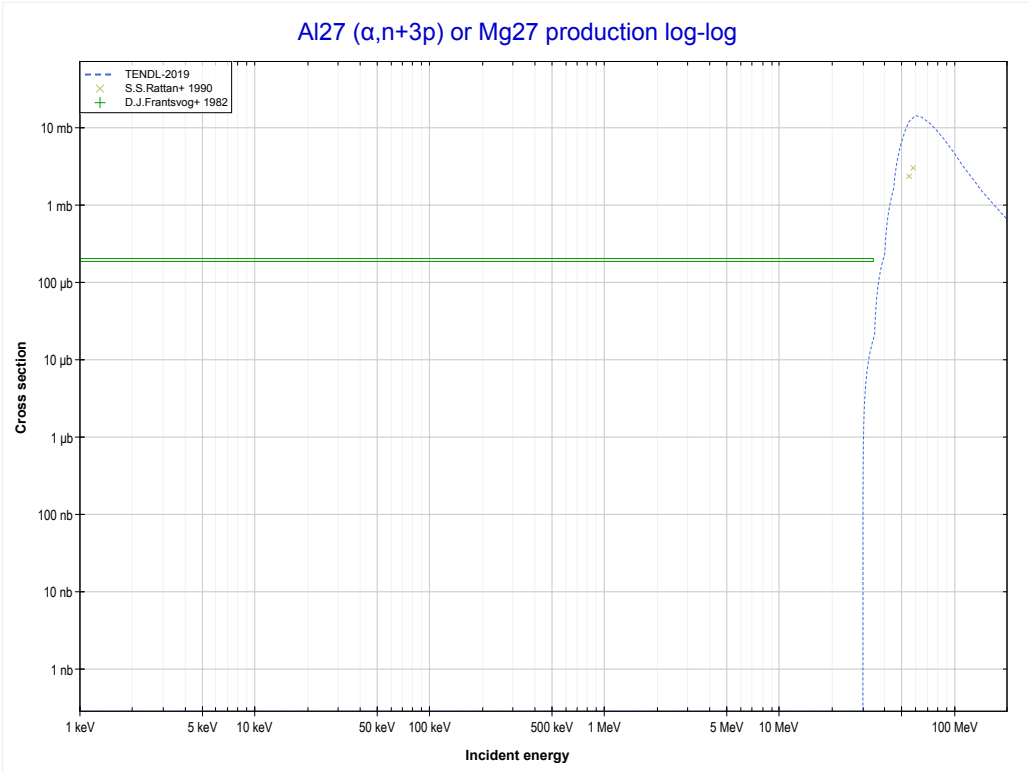
Reaction	Q-Value	Reaction	Q-Value
Al27($\alpha, \text{He3}+\alpha$)Na24	-23710.18 keV	Al27($\alpha, n+3p+t$)Na24	-51242.08 keV
Al27($\alpha, p+d+\alpha$)Na24	-29203.65 keV	Al27($\alpha, 2n+2p+\text{He3}$)Na24	-52005.84 keV
Al27($\alpha, n+2p+\alpha$)Na24	-31428.22 keV	Al27($\alpha, p+3d$)Na24	-53050.18 keV
Al27($\alpha, p+t+\text{He3}$)Na24	-43524.04 keV	Al27($\alpha, n+2p+2d$)Na24	-55274.75 keV
Al27($\alpha, n+2\text{He3}$)Na24	-44287.80 keV	Al27($\alpha, 2n+3p+d$)Na24	-57499.31 keV
Al27($\alpha, 2d+\text{He3}$)Na24	-47556.70 keV	Al27($\alpha, 3n+4p$)Na24	-59723.88 keV
Al27($\alpha, 2p+d+t$)Na24	-49017.52 keV		
Al27($\alpha, n+p+d+\text{He3}$)Na24	-49781.27 keV		

	13-Al-27	17-Cl-37 >>
<< MT193 (α , $^3\text{He}+\alpha$)	MT197 (α ,3p) or MT5 (Mg28 production)	MT198 (α ,n+3p) >>



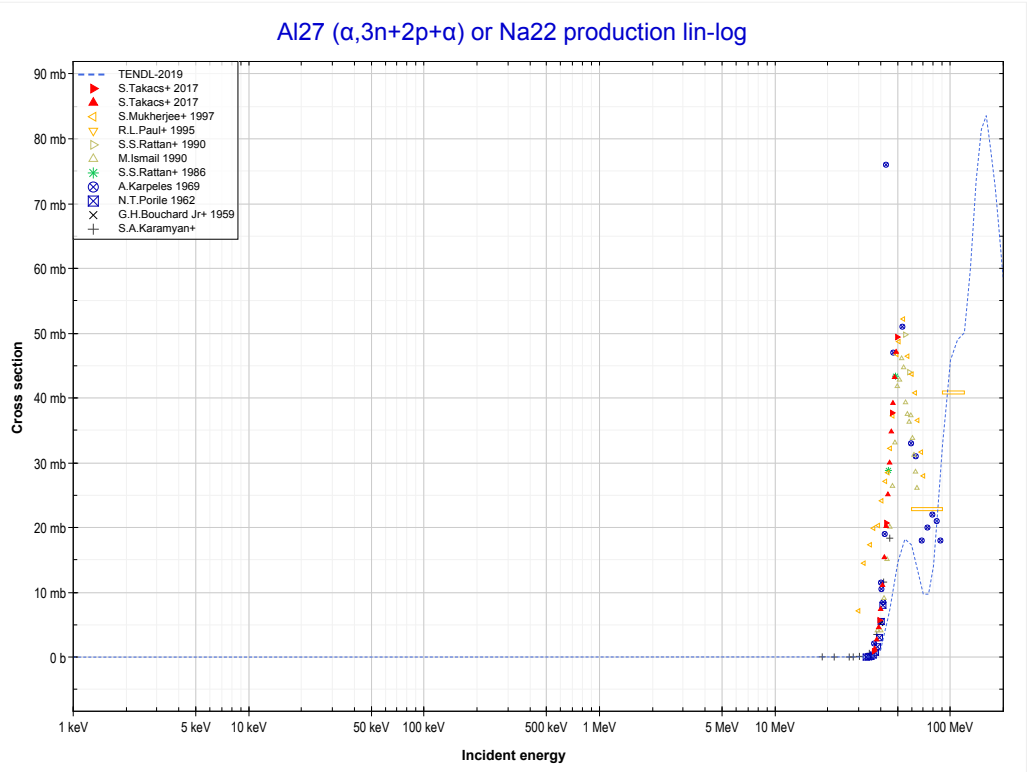
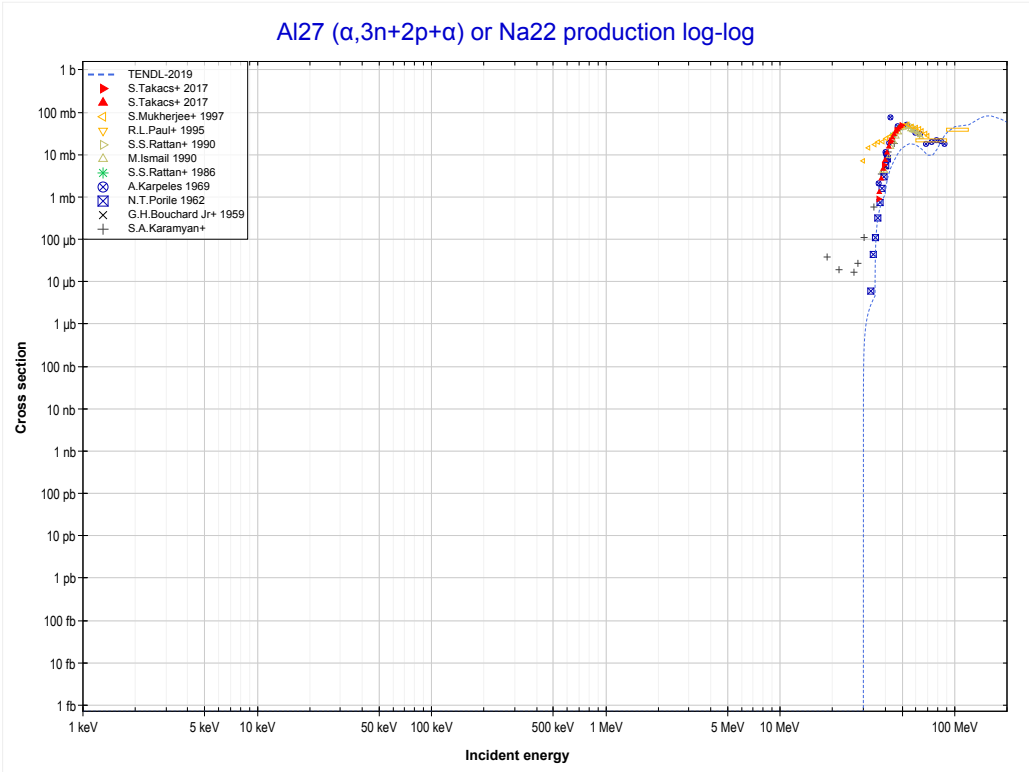
Reaction	Q-Value
Al27(α ,3p)Mg28	-21620.06 keV

<< 12-Mg-24	13-Al-27	27-Co-59 >>
<< MT197 ($\alpha,3p$)	MT198 ($\alpha,n+3p$) or MT5 (Mg27 production)	MT199 ($\alpha,3n+2p+\alpha$) >>



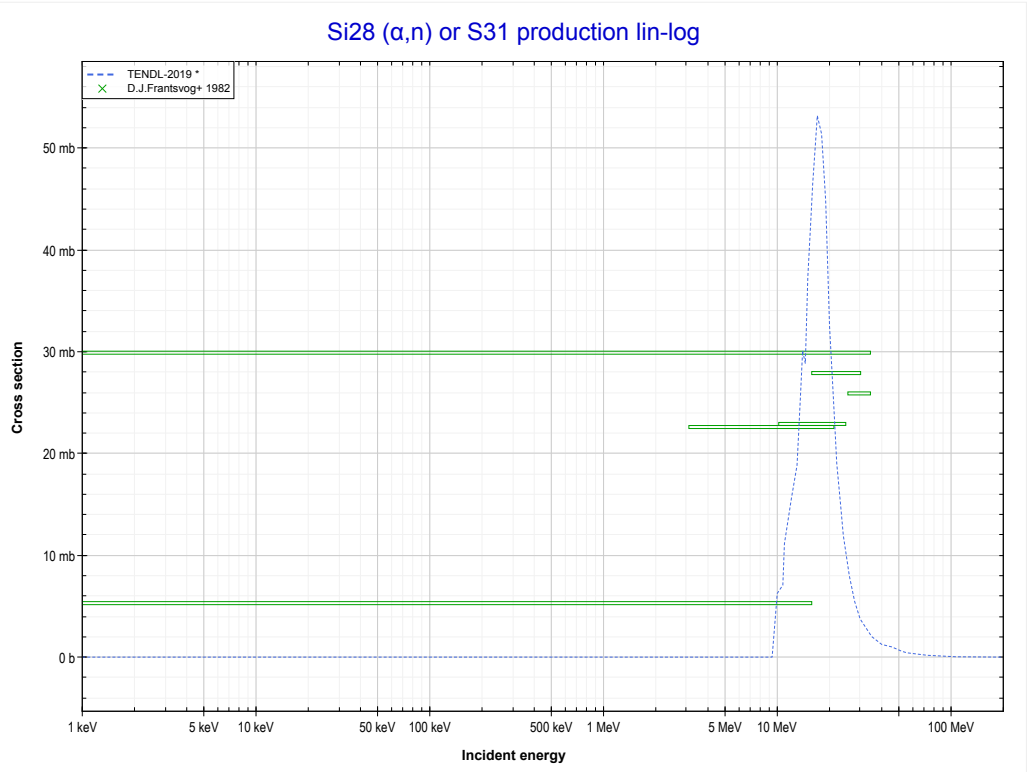
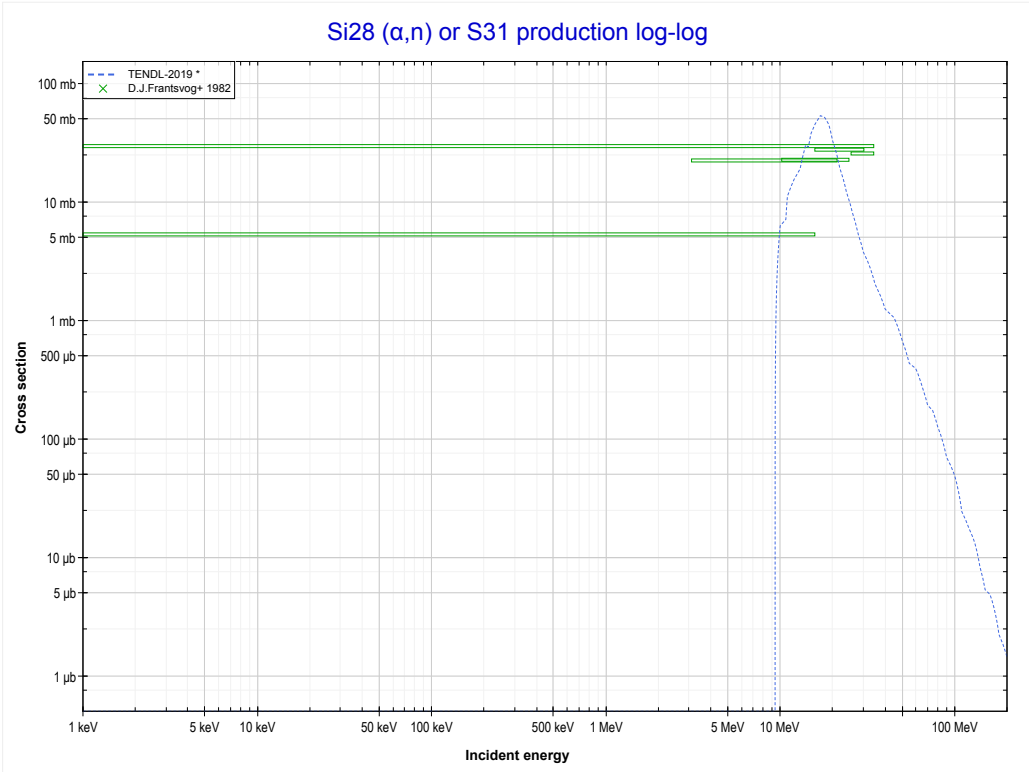
Reaction	Q-Value
Al27($\alpha,p+He3$)Mg27	-22405.52 keV
Al27($\alpha,2p+d$)Mg27	-27899.00 keV
Al27($\alpha,n+3p$)Mg27	-30123.56 keV

<< 8-O-16	13-Al-27	23-V-51 >>
<< MT198 ($\alpha,n+3p$)	MT199 ($\alpha,3n+2p+\alpha$) or MT5 (Na22 production)	14-Si-28 MT4 (α,n) >>



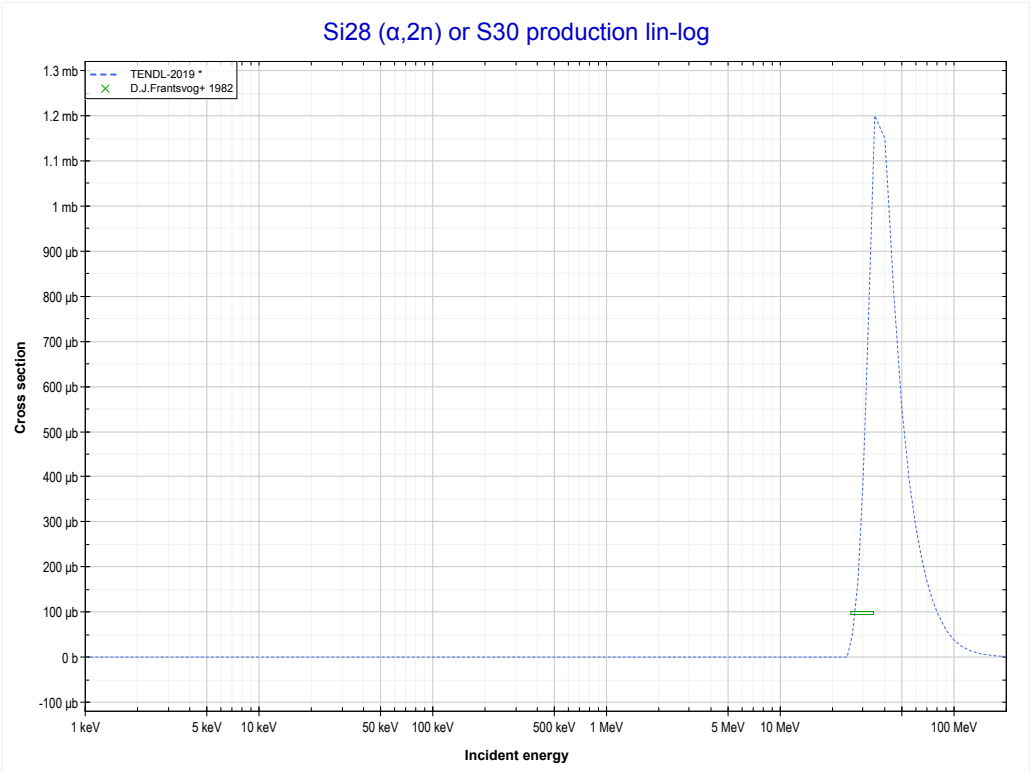
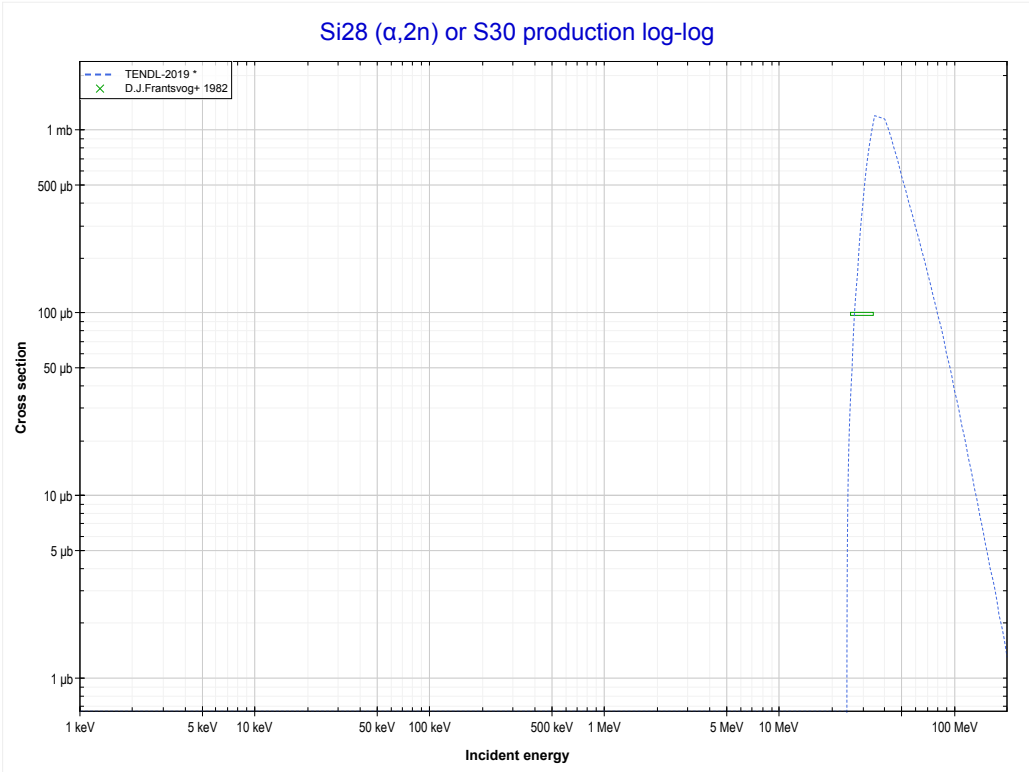
Reaction	Q-Value	Reaction	Q-Value
Al27($\alpha,n+2\alpha$)Na22	-22511.58 keV	Al27($\alpha,p+d+2t$)Na22	-59914.75 keV
Al27($\alpha,d+t+\alpha$)Na22	-40100.88 keV	Al27($\alpha,n+d+t+He3$)Na22	-60678.50 keV
Al27($\alpha,n+p+t+\alpha$)Na22	-42325.45 keV	Al27($\alpha,n+2p+2t$)Na22	-62139.31 keV
Al27($\alpha,2n+He3+\alpha$)Na22	-43089.20 keV	Al27($\alpha,2n+p+t+He3$)Na22	-62903.07 keV
Al27($\alpha,n+2d+\alpha$)Na22	-46358.11 keV	Al27($\alpha,3n+2He3$)Na22	-63666.82 keV
Al27($\alpha,2n+p+d+\alpha$)Na22	-48582.68 keV	Al27($\alpha,3d+t$)Na22	-63947.41 keV
Al27($\alpha,3n+2p+\alpha$)Na22	-50807.24 keV	Al27($\alpha,n+p+2d+t$)Na22	-66171.98 keV
Al27($\alpha,2t+He3$)Na22	-54421.27 keV	Al27($\alpha,2n+2d+He3$)Na22	-66935.73 keV

<< 13-Al-27	14-Si-28	14-Si-29 >>
<< 13-Al-27 MT199 ($\alpha,3n+2p+\alpha$)	MT4 (α,n) or MT5 (S31 production)	MT16 ($\alpha,2n$) >>



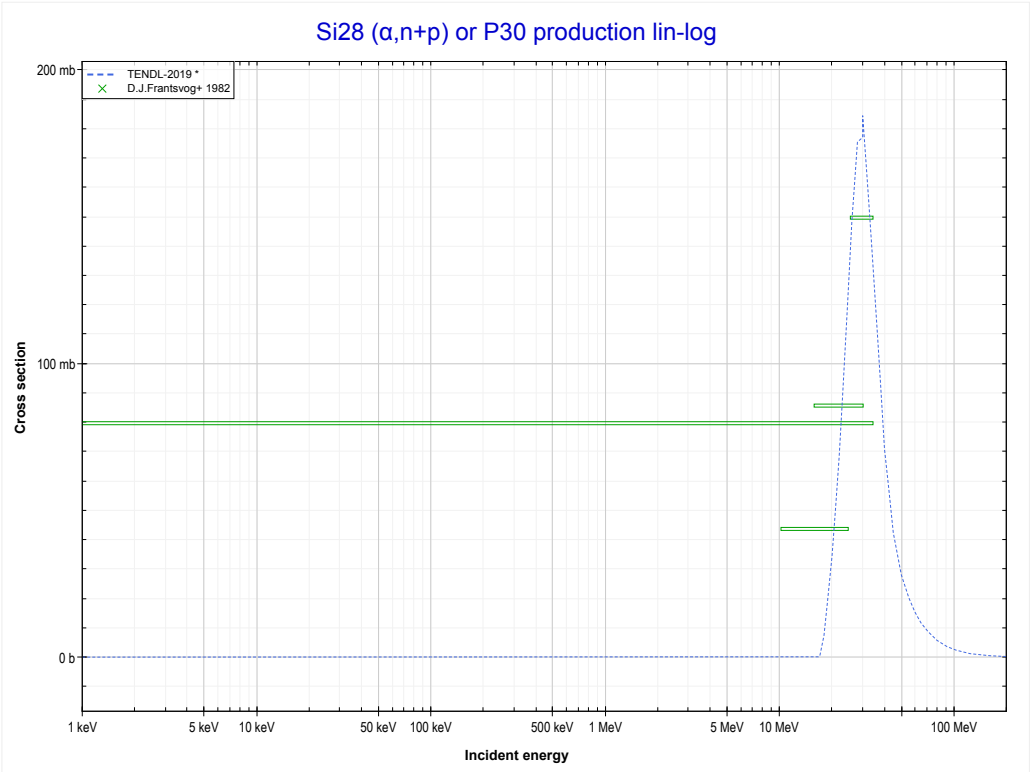
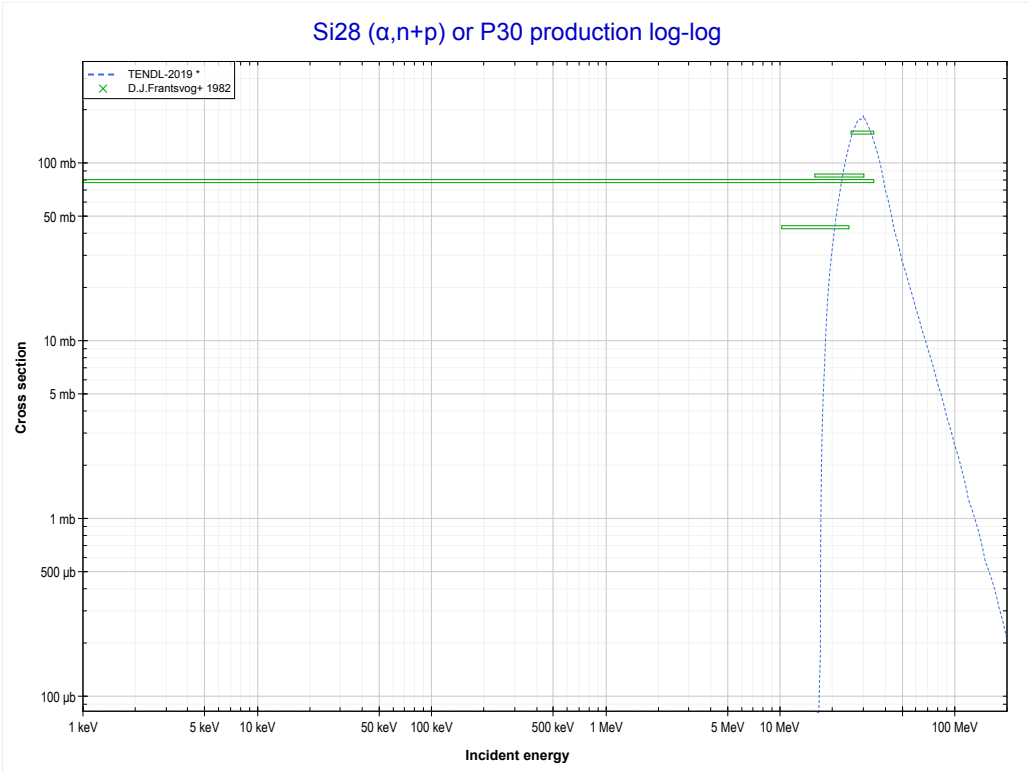
Reaction	Q-Value
Si28(α,n)S31	-8096.68 keV

<< 13-Al-27	14-Si-28	19-K-41 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (S30 production)	MT28 (α,n+p) >>



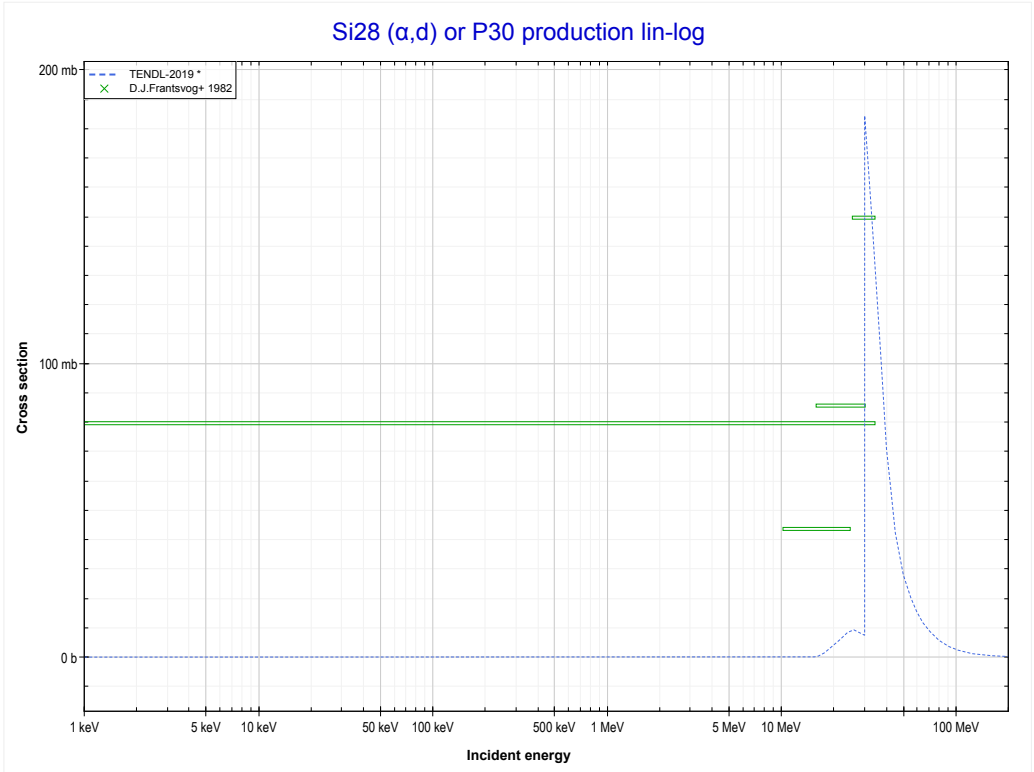
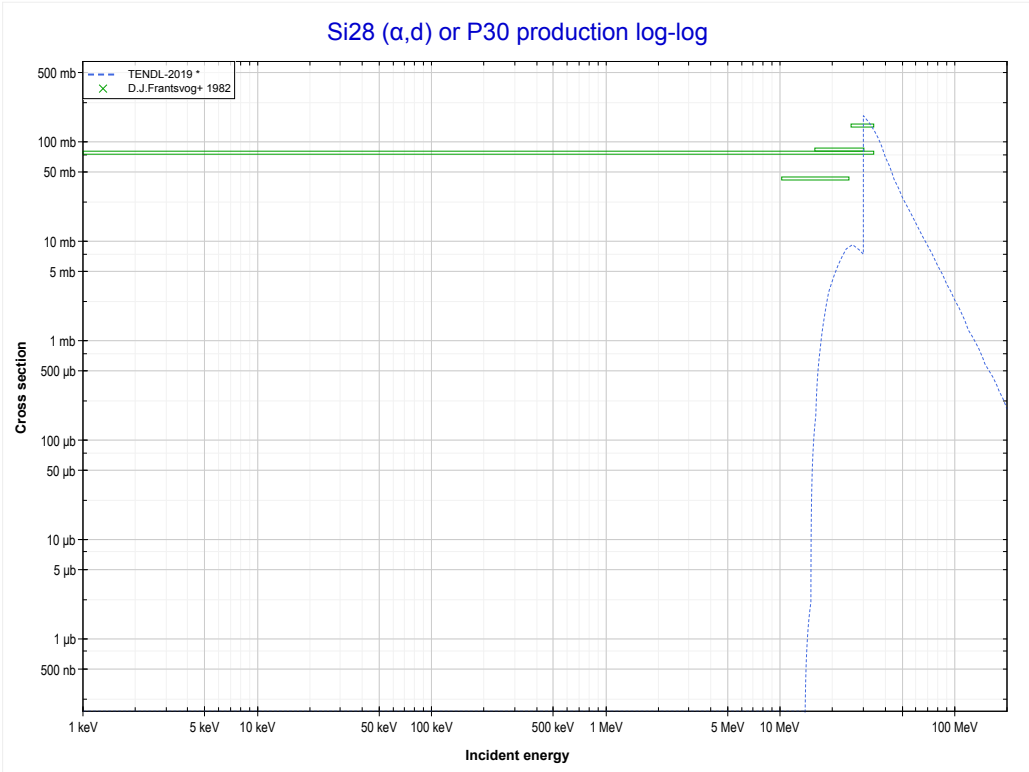
Reaction	Q-Value
Si28(α,2n)S30	-21151.26 keV

<< 8-O-16	14-Si-28	18-Ar-40 >>
<< MT16 (α,2n)	MT28 (α,n+p) or MT5 (P30 production)	MT104 (α,d) >>



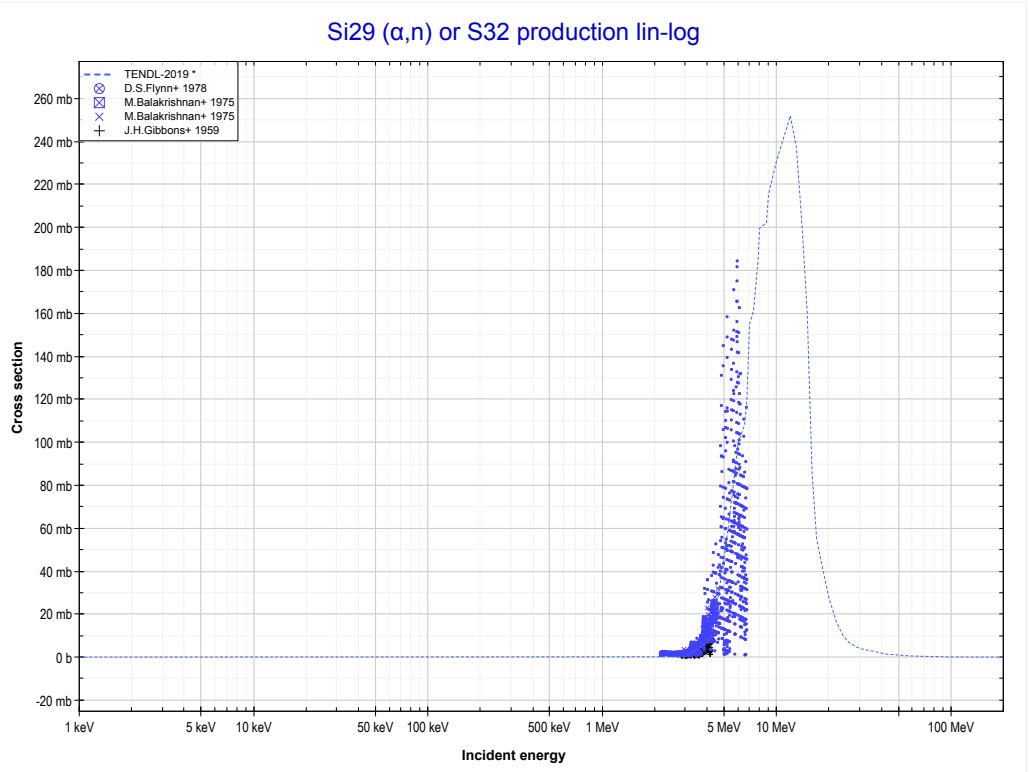
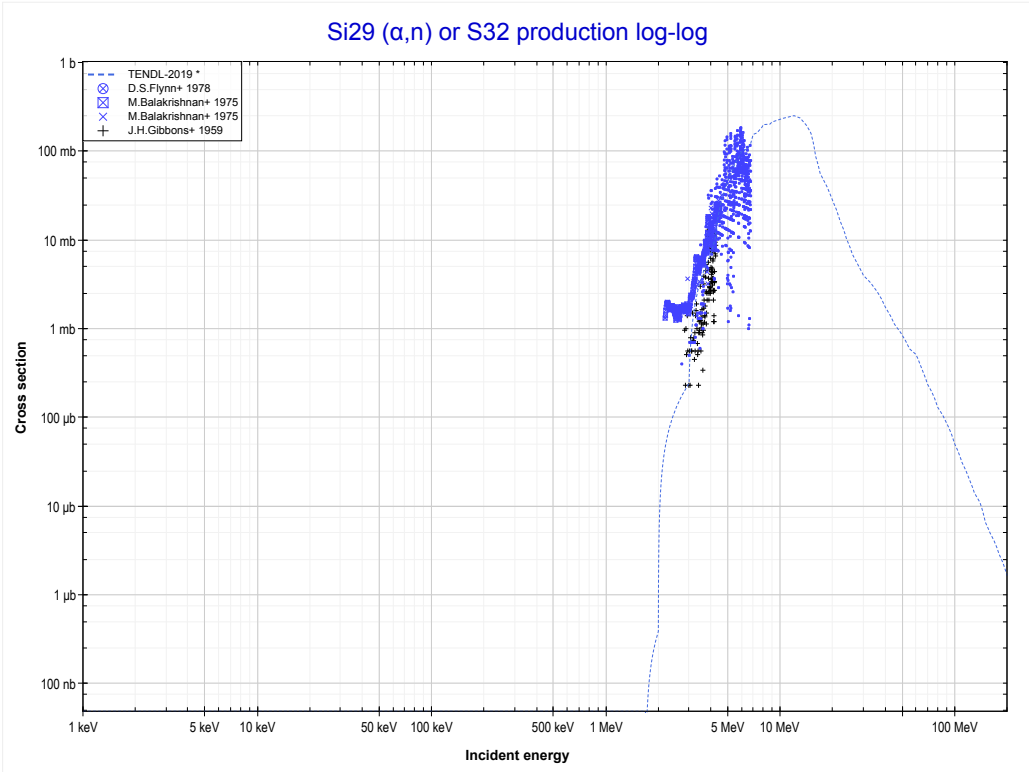
Reaction	Q-Value
Si28(α,d)P30	-12002.75 keV
Si28(α,n+p)P30	-14227.32 keV

<< 8-O-16	14-Si-28	20-Ca-42 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (P30 production)	14-Si-29 MT4 (α,n) >>



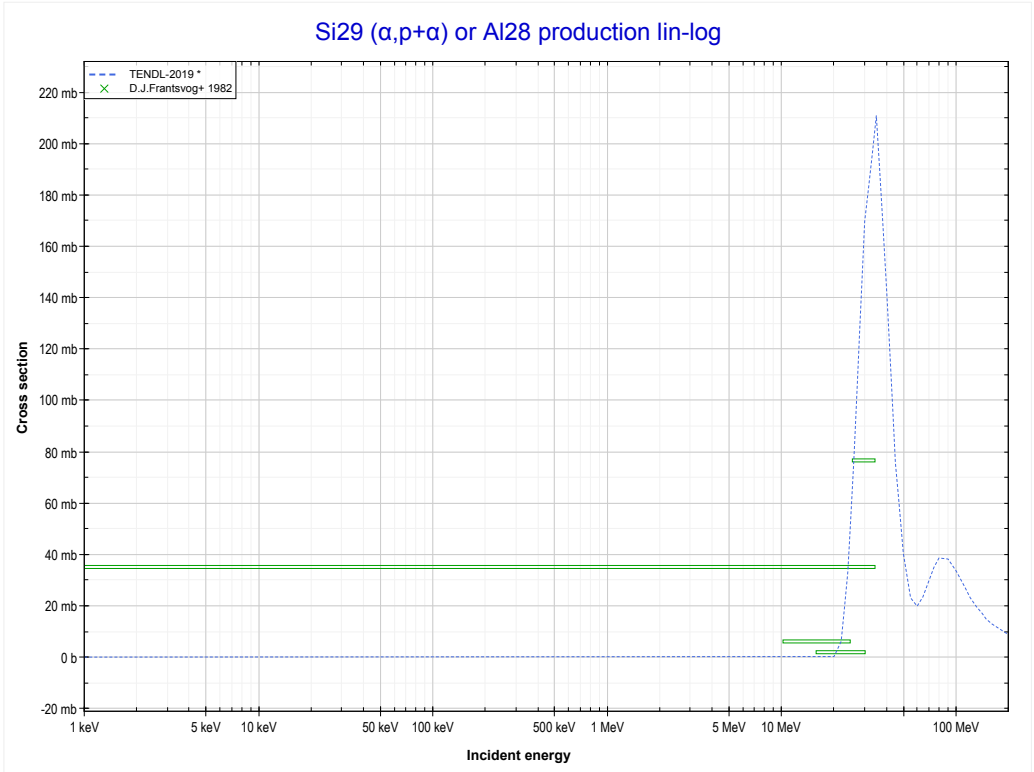
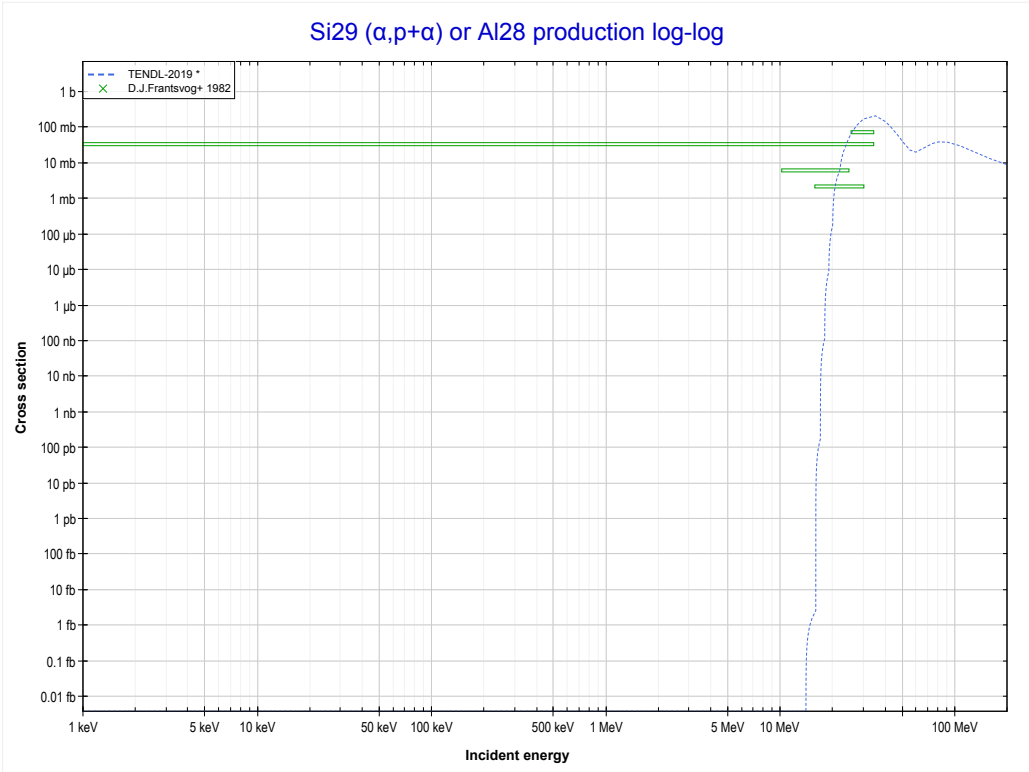
Reaction	Q-Value
Si28(α,d)P30	-12002.75 keV
Si28(α,n+p)P30	-14227.32 keV

<< 14-Si-28	14-Si-29	14-Si-30 >>
<< 14-Si-28 MT104 (α,d)	MT4 (α,n) or MT5 (S32 production)	MT112 (α,p+α) >>



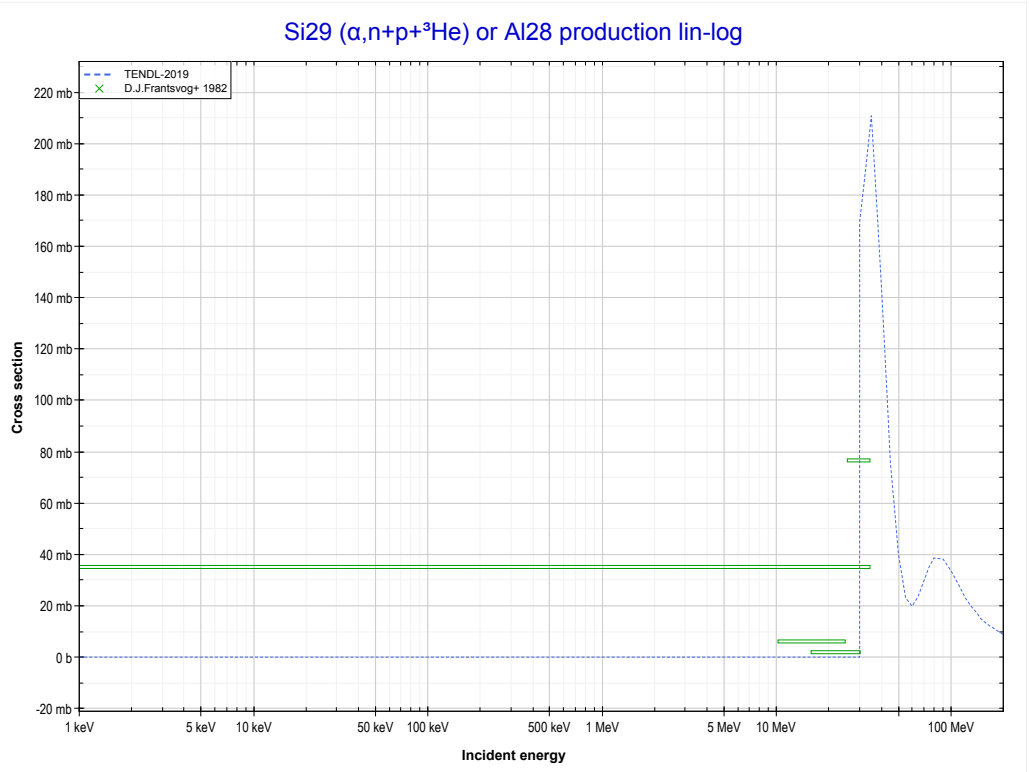
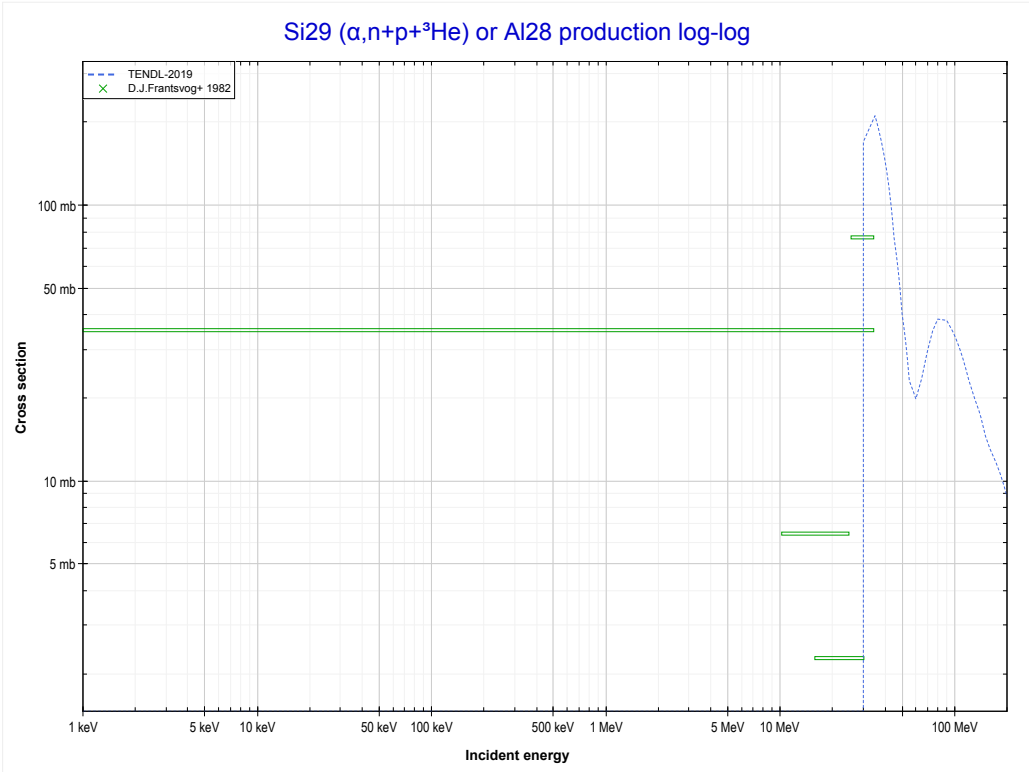
Reaction	Q-Value
Si29(α,n)S32	-1525.95 keV

<< 7-N-14	14-Si-29	14-Si-30 >>
<< MT4 (α,n)	MT112 (α,p+α) or MT5 (Al28 production)	MT186 (α,n+p+ ³ He) >>



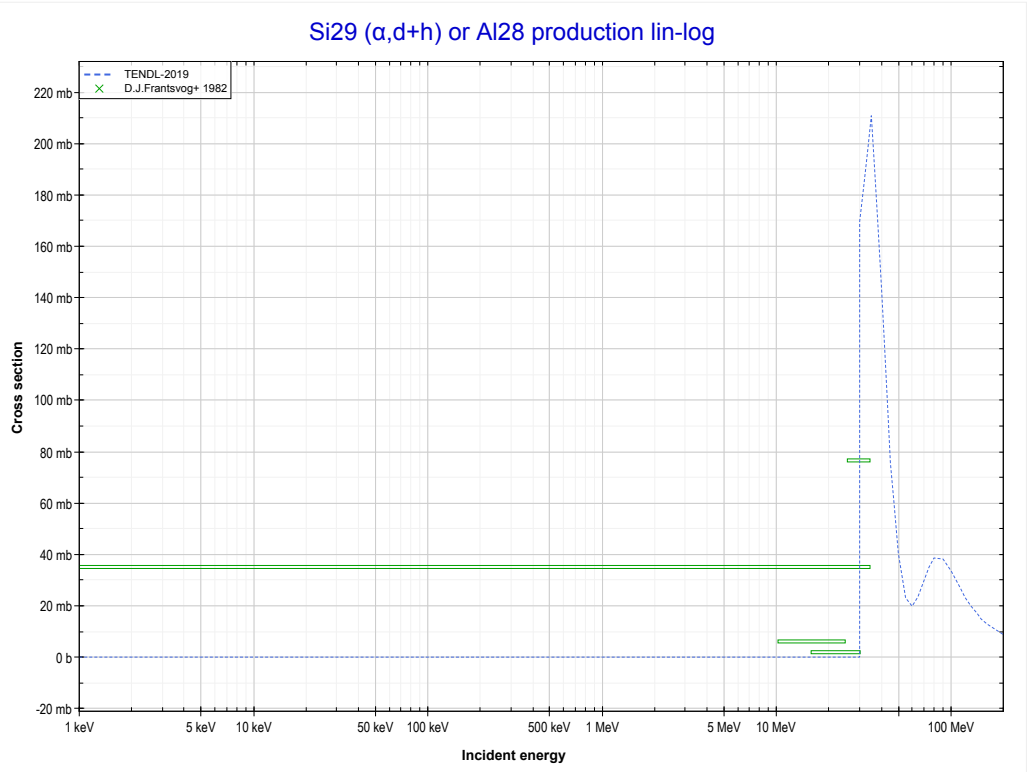
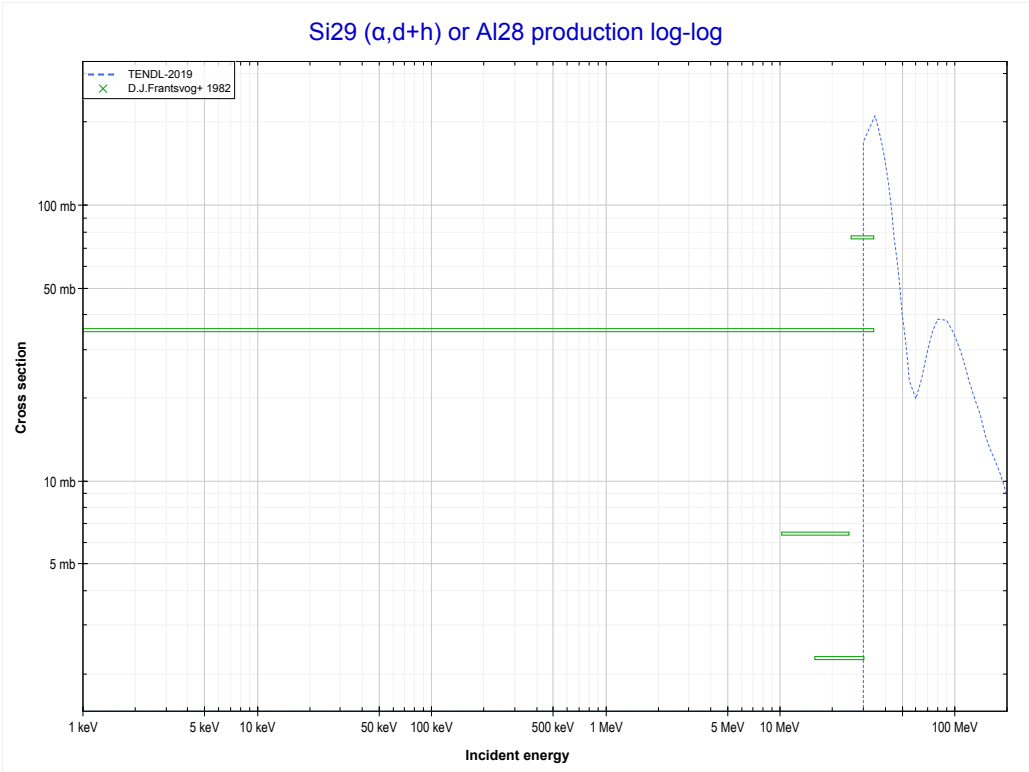
Reaction	Q-Value
Si29(α,p+α)Al28	-12333.41 keV
Si29(α,d+He3)Al28	-30686.46 keV
Si29(α,2p+t)Al28	-32147.27 keV
Si29(α,n+p+He3)Al28	-32911.03 keV
Si29(α,p+2d)Al28	-36179.94 keV
Si29(α,n+2p+d)Al28	-38404.50 keV
Si29(α,2n+3p)Al28	-40629.07 keV

<< 7-N-14	14-Si-29	14-Si-30 >>
<< MT112 (α ,p+ α)	MT186 (α ,n+p+ ^3He) or MT5 (Al28 production)	MT192 (α ,d+ ^3He) >>



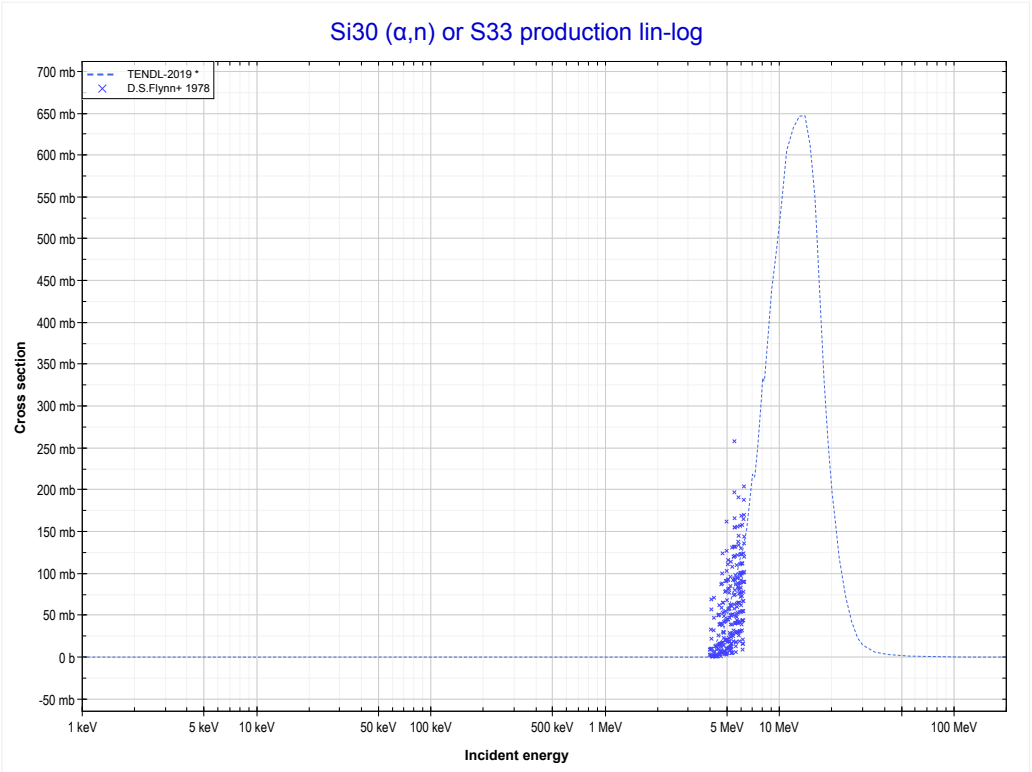
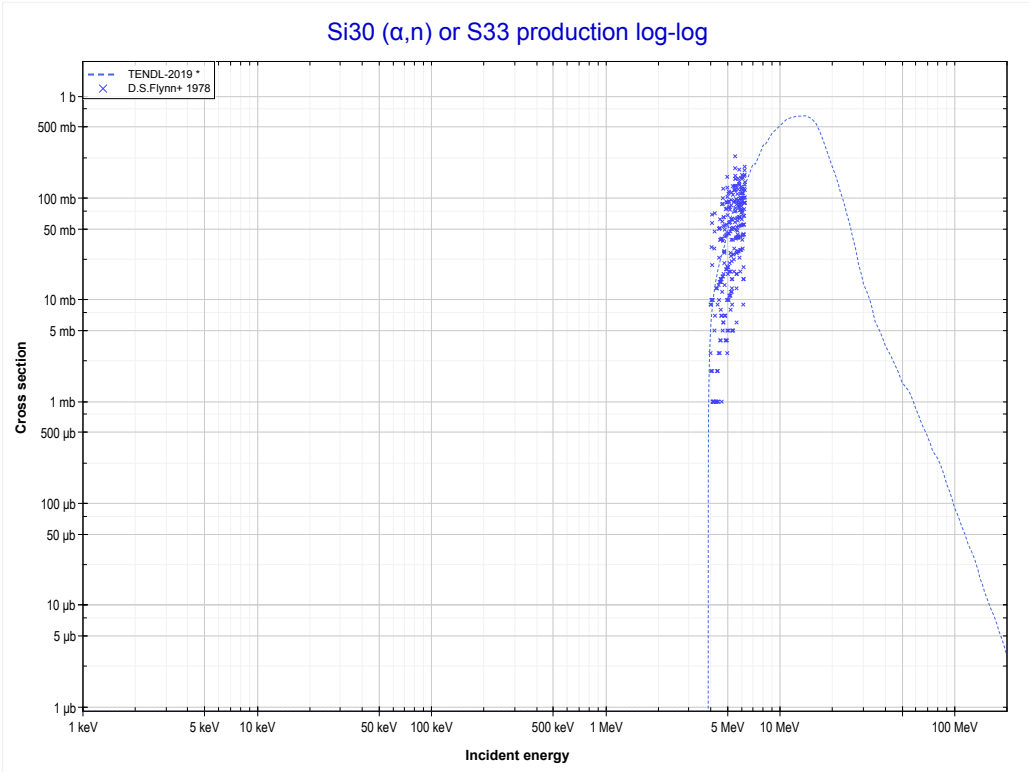
Reaction	Q-Value
Si29(α ,p+ α)Al28	-12333.41 keV
Si29(α ,d+He3)Al28	-30686.46 keV
Si29(α ,2p+t)Al28	-32147.27 keV
Si29(α ,n+p+He3)Al28	-32911.03 keV
Si29(α ,p+2d)Al28	-36179.94 keV
Si29(α ,n+2p+d)Al28	-38404.50 keV
Si29(α ,2n+3p)Al28	-40629.07 keV

<< 7-N-14	14-Si-29	14-Si-30 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT192 ($\alpha,d+^3\text{He}$) or MT5 (Al28 production)	14-Si-30 MT4 (α,n) >>



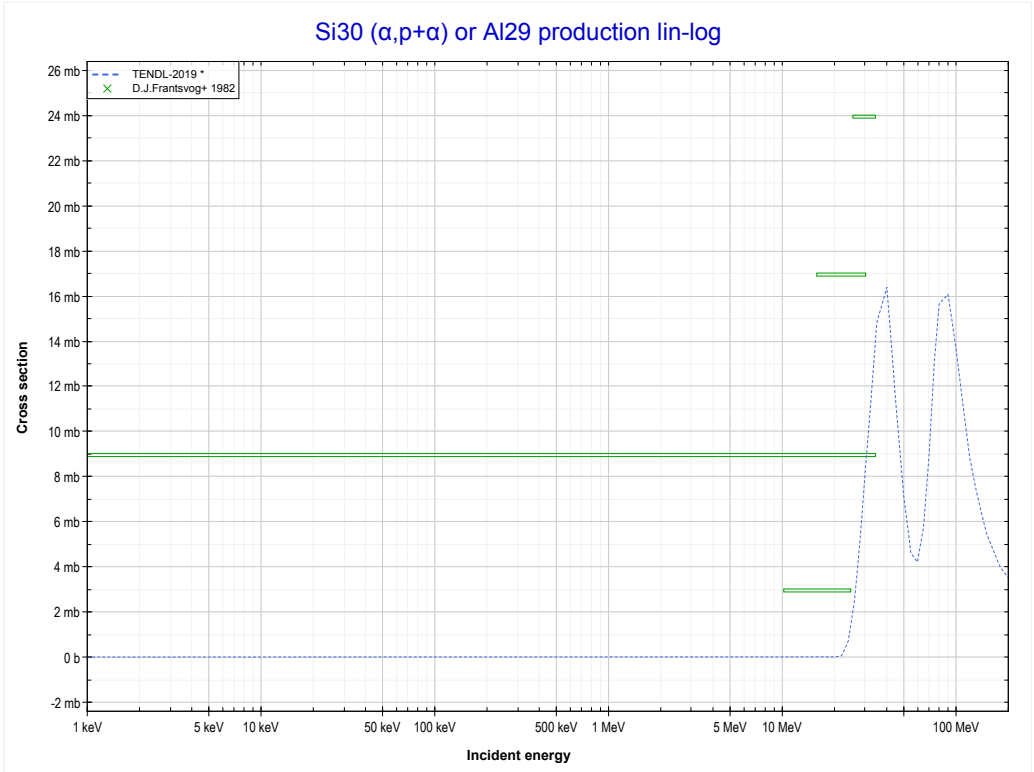
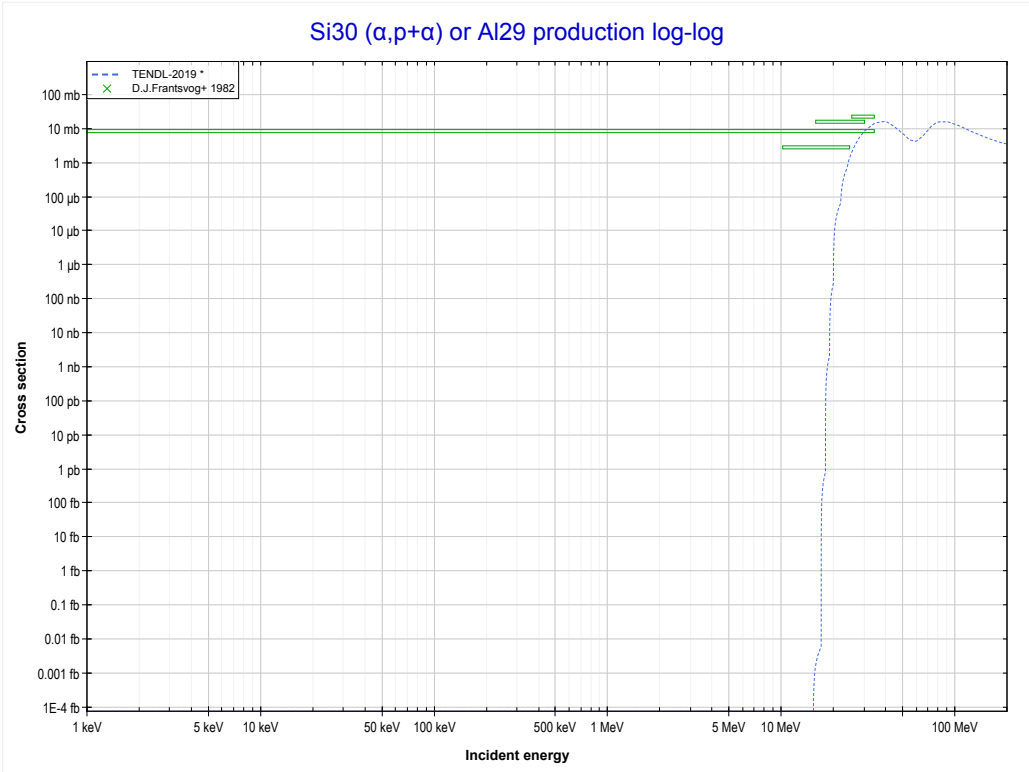
Reaction	Q-Value
Si29($\alpha,p+\alpha$)Al28	-12333.41 keV
Si29($\alpha,d+^3\text{He}$)Al28	-30686.46 keV
Si29($\alpha,2p+t$)Al28	-32147.27 keV
Si29($\alpha,n+p+^3\text{He}$)Al28	-32911.03 keV
Si29($\alpha,p+2d$)Al28	-36179.94 keV
Si29($\alpha,n+2p+d$)Al28	-38404.50 keV
Si29($\alpha,2n+3p$)Al28	-40629.07 keV

<< 14-Si-29	14-Si-30	15-P-31 >>
<< 14-Si-29 MT192 (α ,d+ ^{3} He)	MT4 (α ,n) or MT5 (S33 production)	MT112 (α ,p+ α) >>



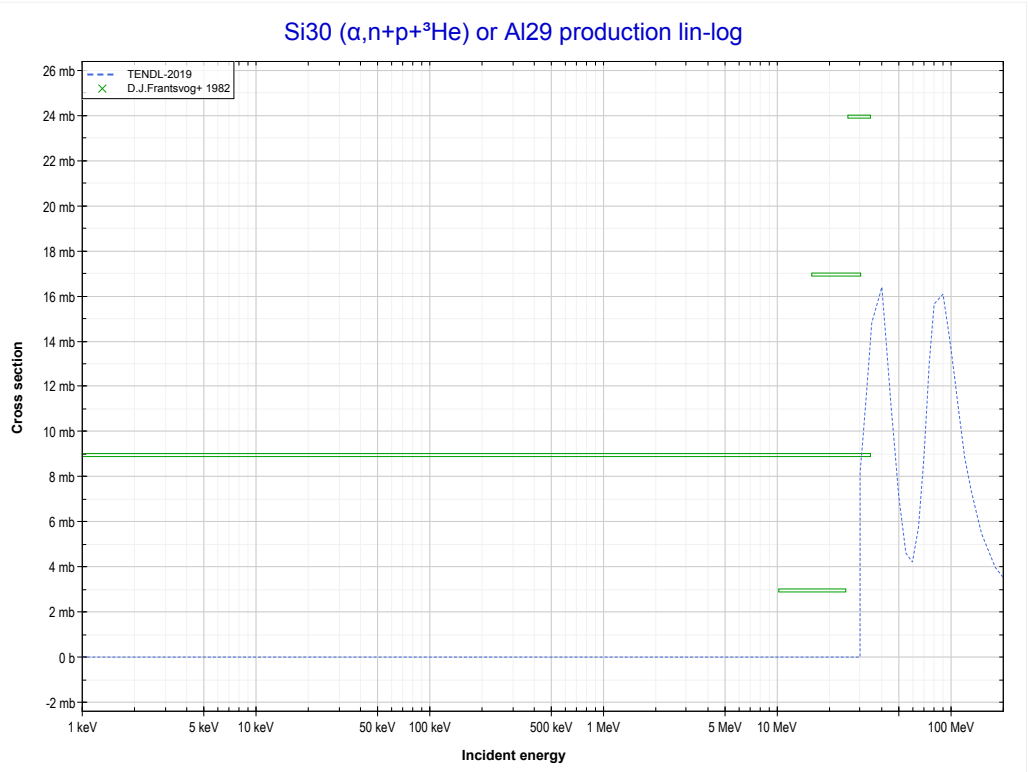
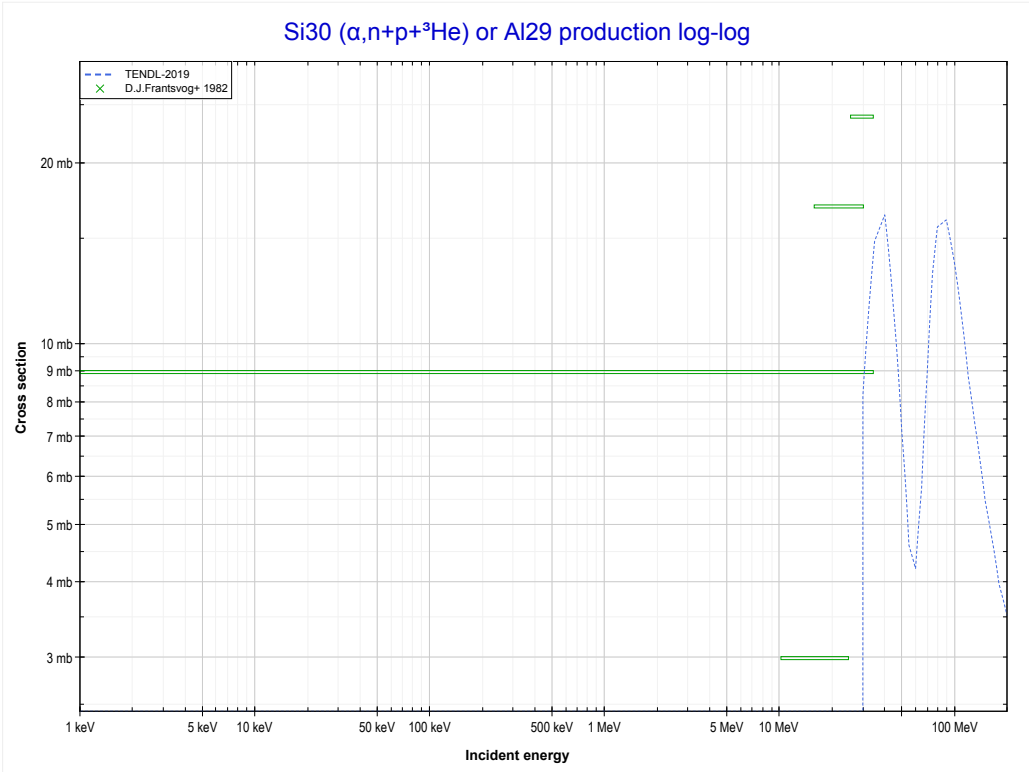
Reaction	Q-Value
Si30(α ,n)S33	-3493.51 keV

<< 14-Si-29	14-Si-30	20-Ca-43 >>
<< MT4 (α,n)	MT112 (α,p+α) or MT5 (Al29 production)	MT186 (α,n+p+ ³ He) >>



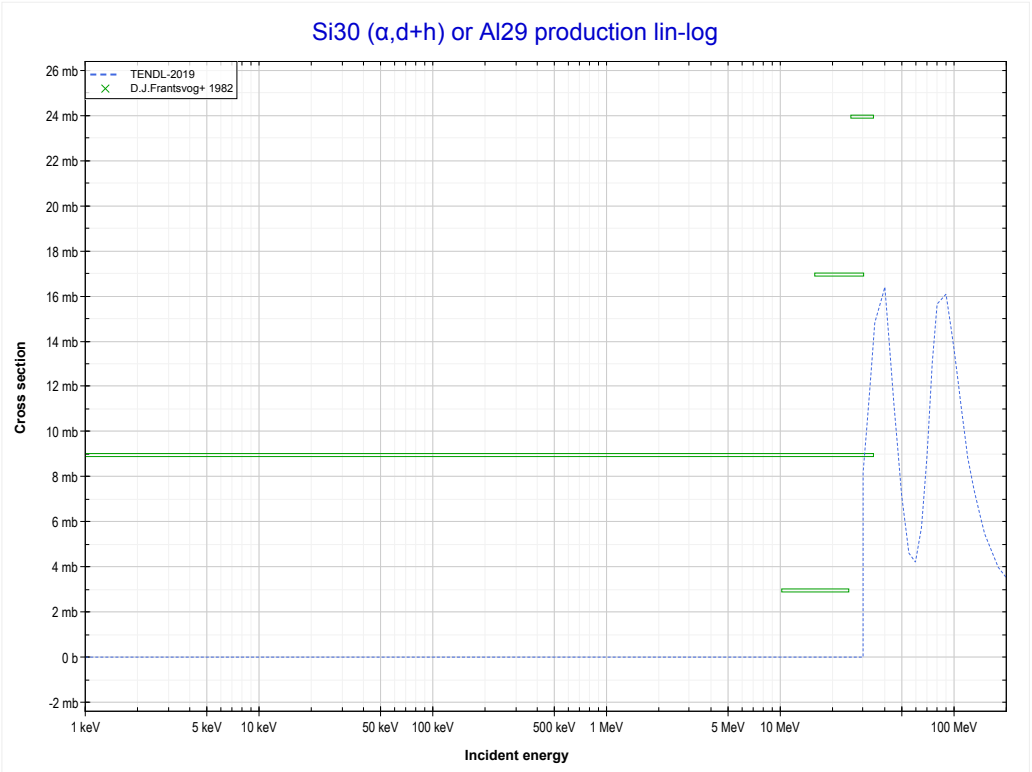
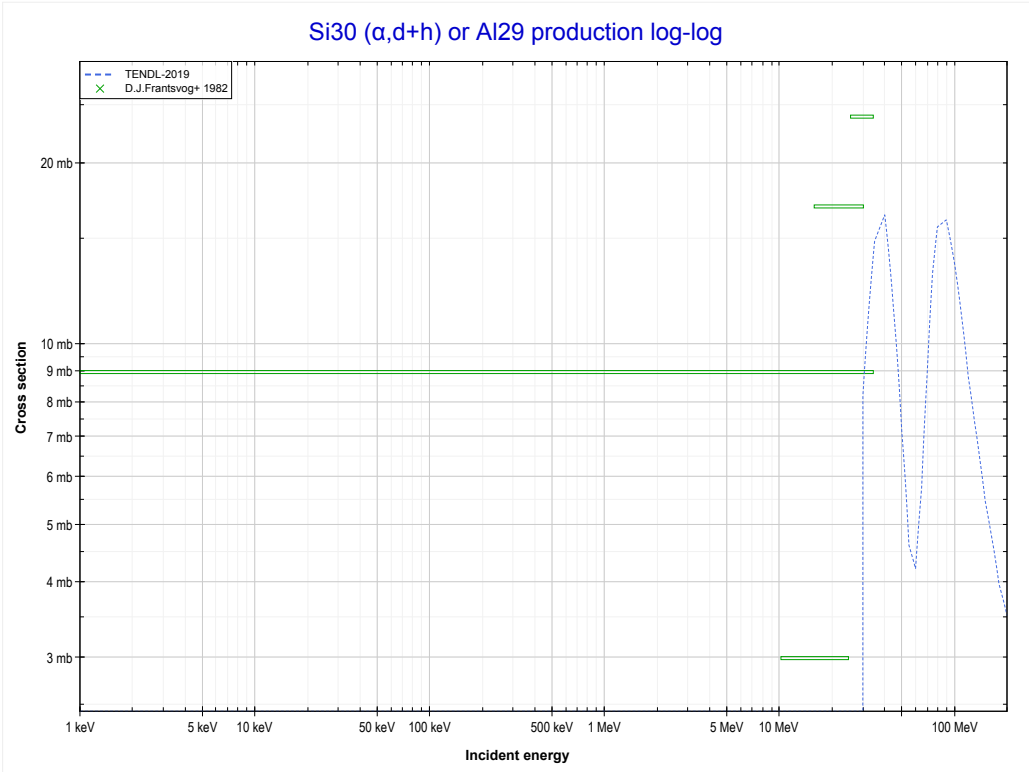
Reaction	Q-Value
Si30(α,p+α)Al29	-13514.13 keV
Si30(α,d+He3)Al29	-31867.18 keV
Si30(α,2p+t)Al29	-33328.00 keV
Si30(α,n+p+He3)Al29	-34091.75 keV
Si30(α,p+2d)Al29	-37360.66 keV
Si30(α,n+2p+d)Al29	-39585.22 keV
Si30(α,2n+3p)Al29	-41809.79 keV

<< 14-Si-29	14-Si-30	20-Ca-43 >>
<< MT112 (α,p+α)	MT186 (α,n+p+ ³ He) or MT5 (Al29 production)	MT192 (α,d+ ³ He) >>



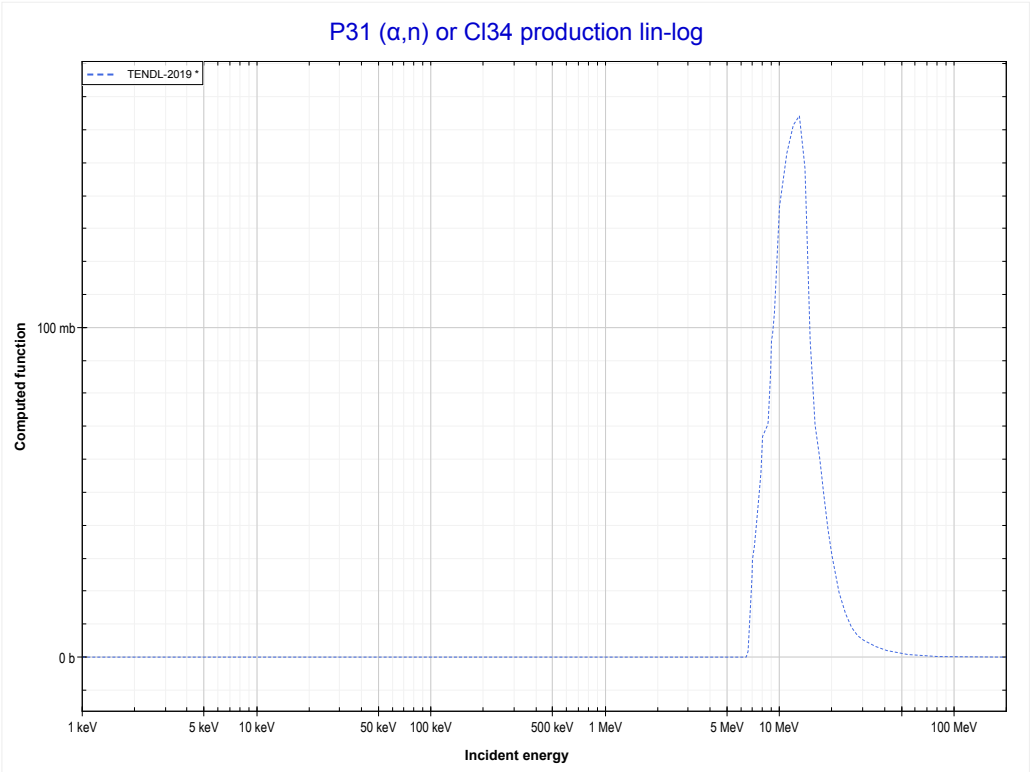
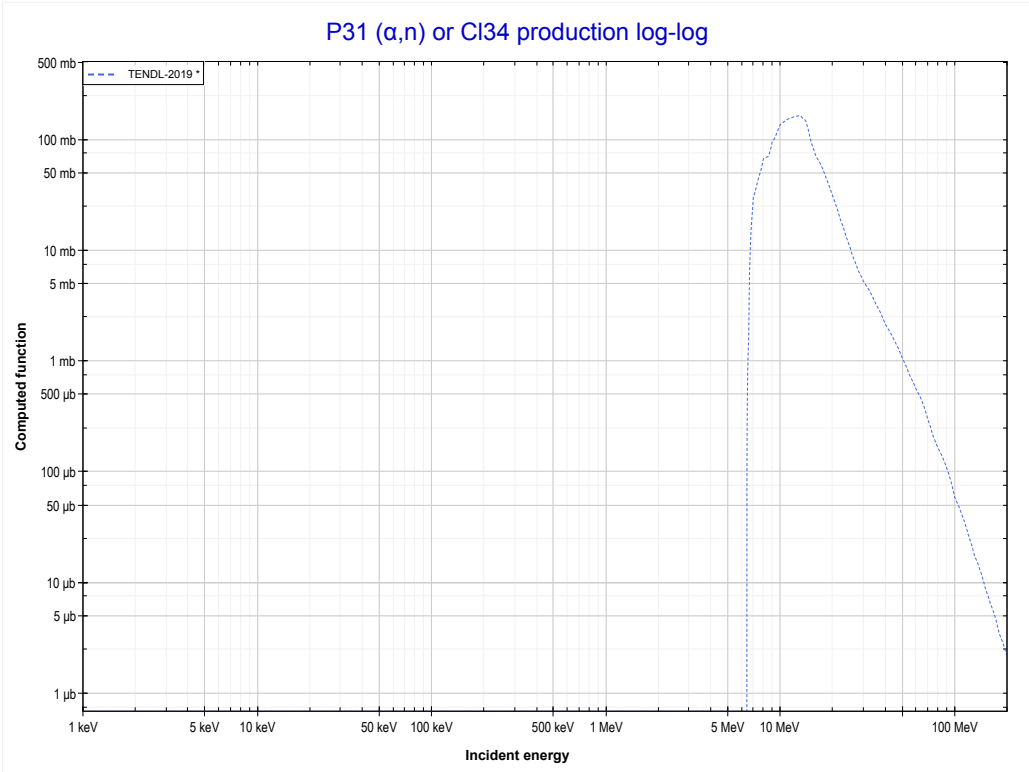
Reaction	Q-Value
Si30(α,p+α)Al29	-13514.13 keV
Si30(α,d+He3)Al29	-31867.18 keV
Si30(α,2p+t)Al29	-33328.00 keV
Si30(α,n+p+He3)Al29	-34091.75 keV
Si30(α,p+2d)Al29	-37360.66 keV
Si30(α,n+2p+d)Al29	-39585.22 keV
Si30(α,2n+3p)Al29	-41809.79 keV

<< 14-Si-29	14-Si-30	20-Ca-43 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT192 ($\alpha,d+^3\text{He}$) or MT5 (Al29 production)	15-P-31 MT4 (α,n) >>



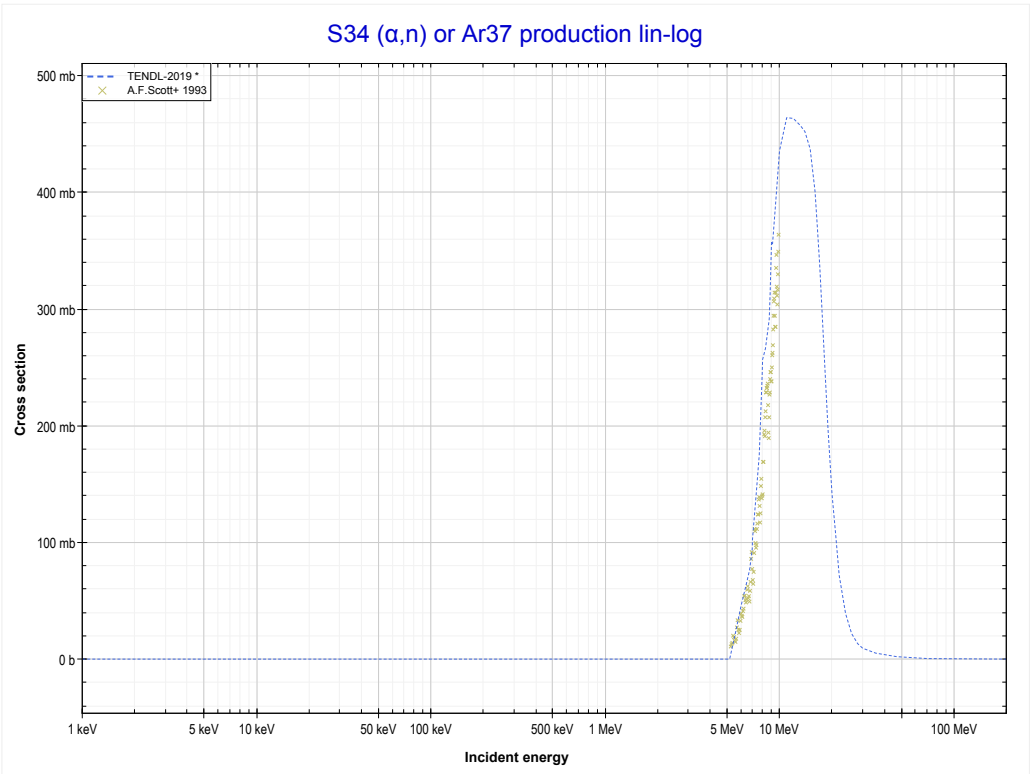
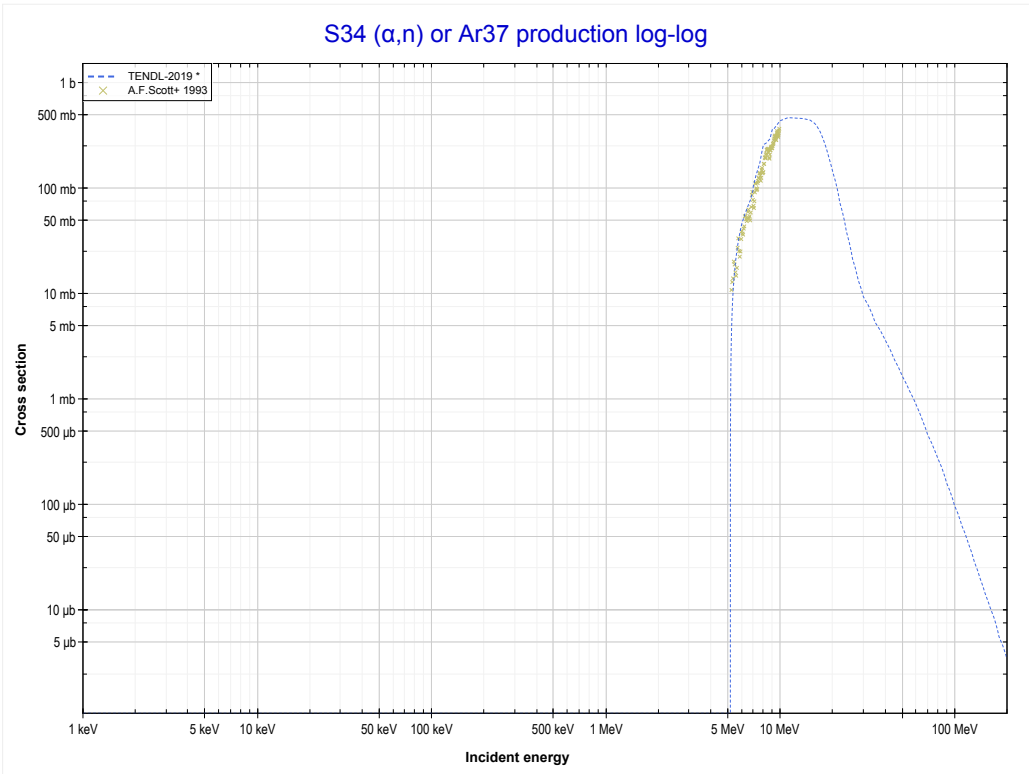
Reaction	Q-Value
Si30($\alpha,p+\alpha$)Al29	-13514.13 keV
Si30($\alpha,d+^3\text{He}$)Al29	-31867.18 keV
Si30($\alpha,2p+t$)Al29	-33328.00 keV
Si30($\alpha,n+p+^3\text{He}$)Al29	-34091.75 keV
Si30($\alpha,p+2d$)Al29	-37360.66 keV
Si30($\alpha,n+2p+d$)Al29	-39585.22 keV
Si30($\alpha,2n+3p$)Al29	-41809.79 keV

<< 14-Si-30	15-P-31	16-S-34 >>
<< 14-Si-30 MT192 (α ,d+ ^3He)	MT4 (α ,n) or MT5 (Cl34 production)	16-S-34 MT4 (α ,n) >>



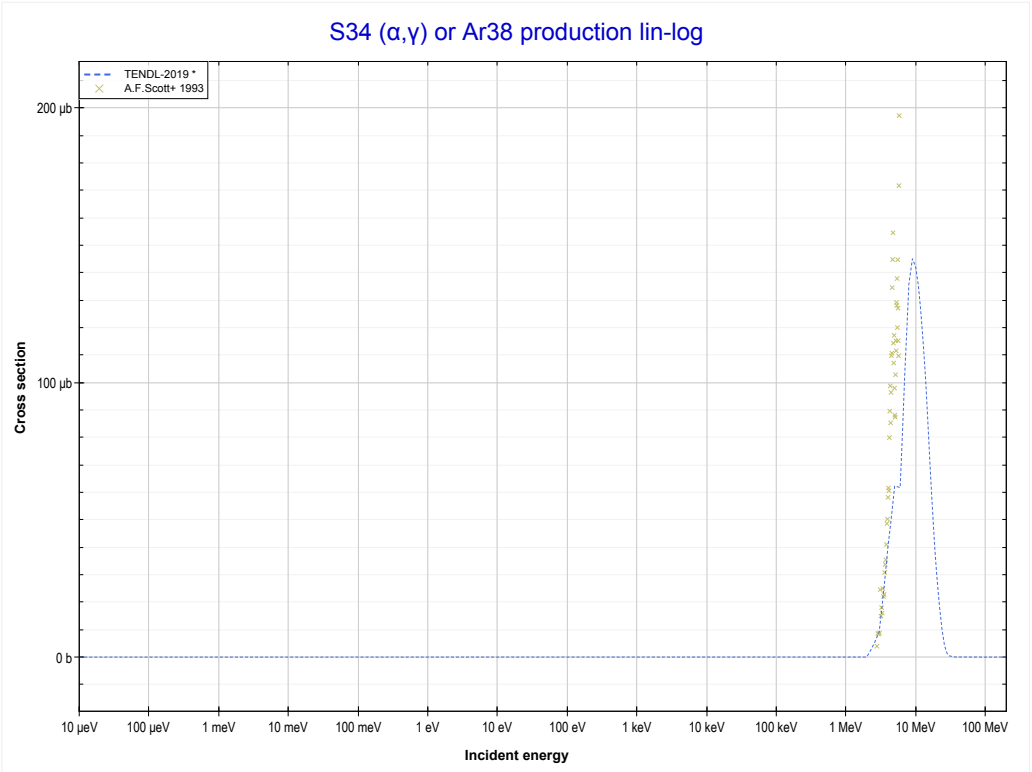
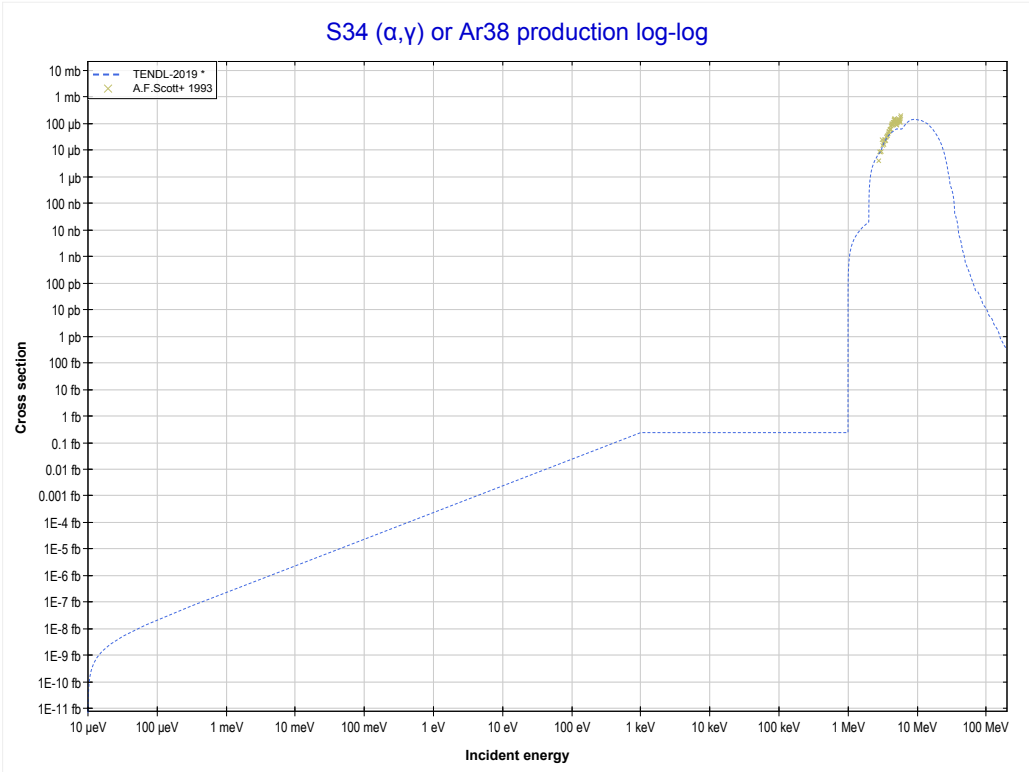
Reaction	Q-Value
P31(α ,n)Cl34	-5646.86 keV

<< 15-P-31	16-S-34	17-Cl-35 >>
<< 15-P-31 MT4 (α,n)	MT4 (α,n) or MT5 (Ar37 production)	MT102 (α,γ) >>



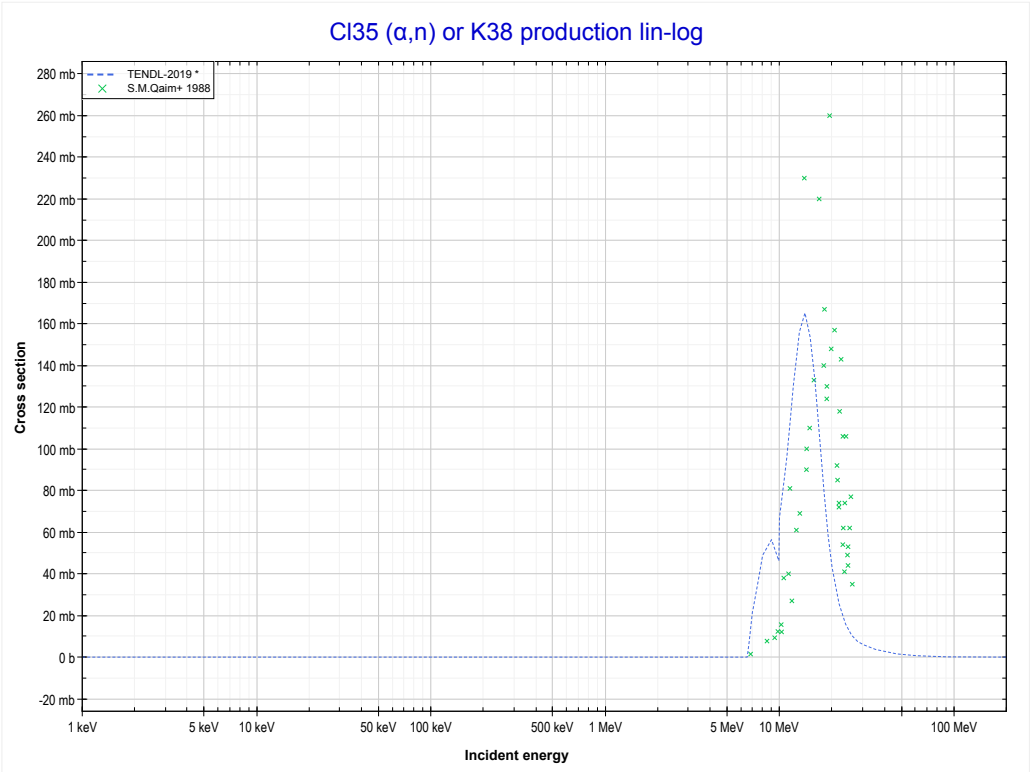
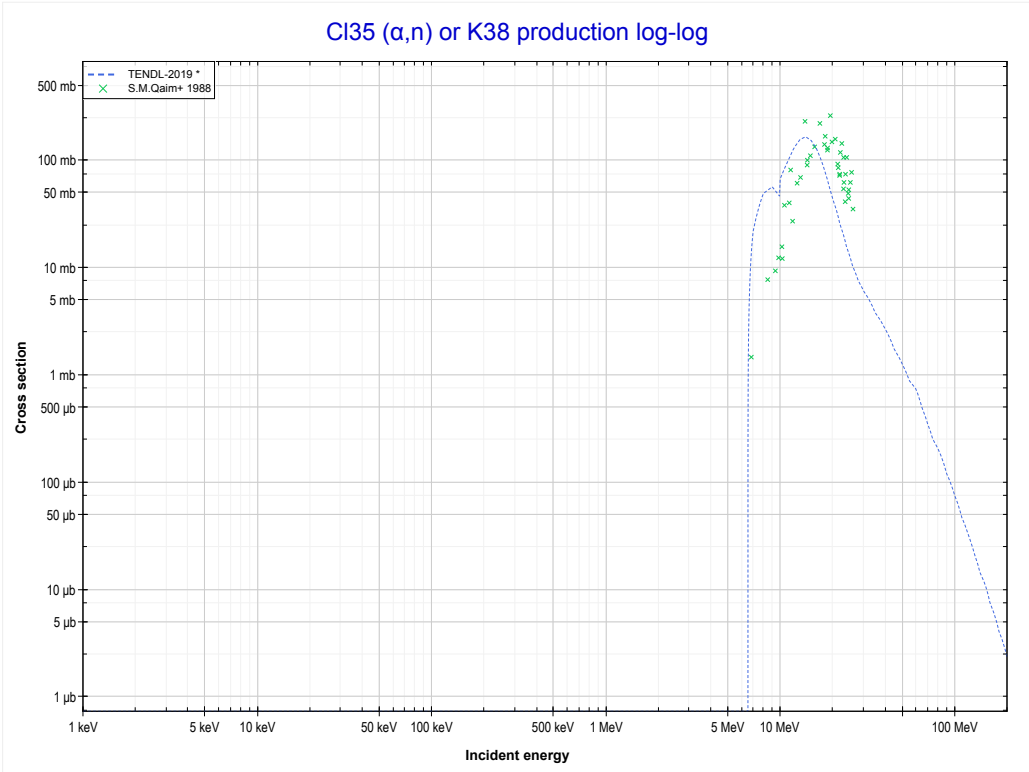
Reaction	Q-Value
S34(α,n)Ar37	-4630.43 keV

<< 8-O-18	16-S-34	17-Cl-37 >>
<< MT4 (α,n)	MT102 (α,γ) or MT5 (Ar38 production)	17-Cl-35 MT4 (α,n) >>



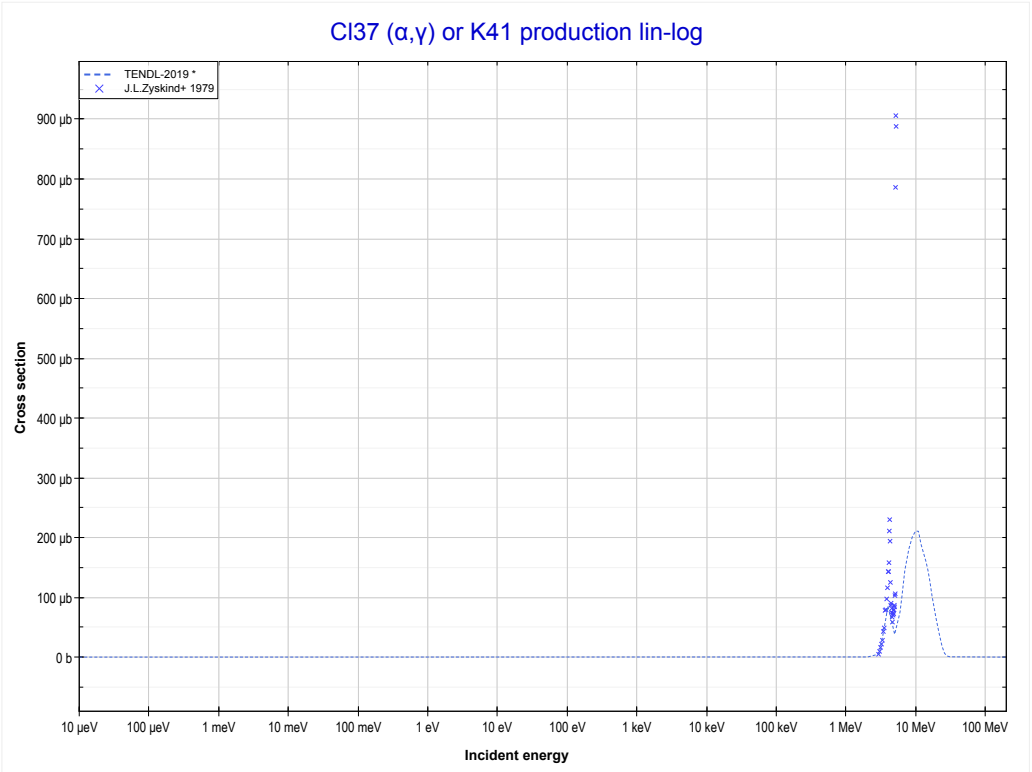
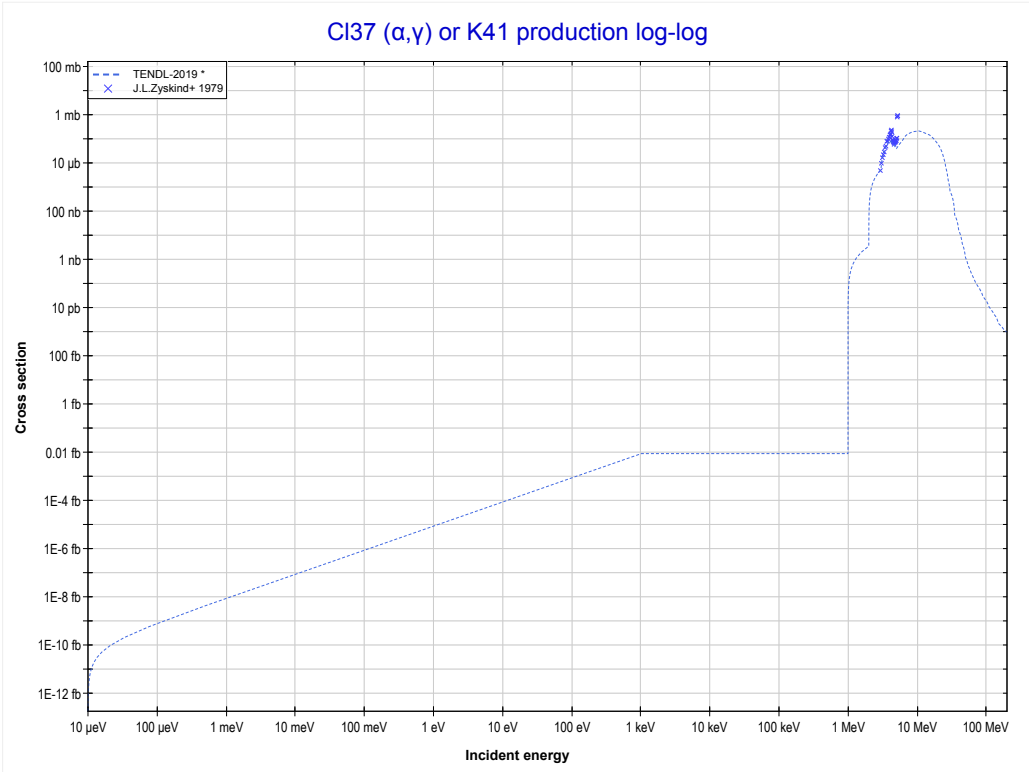
Reaction	Q-Value
S34(α,γ)Ar38	7208.05 keV

<< 16-S-34	17-CI-35	19-K-39 >>
<< 16-S-34 MT102 (α,γ)	MT4 (α,n) or MT5 (K38 production)	17-CI-37 MT102 (α,γ) >>



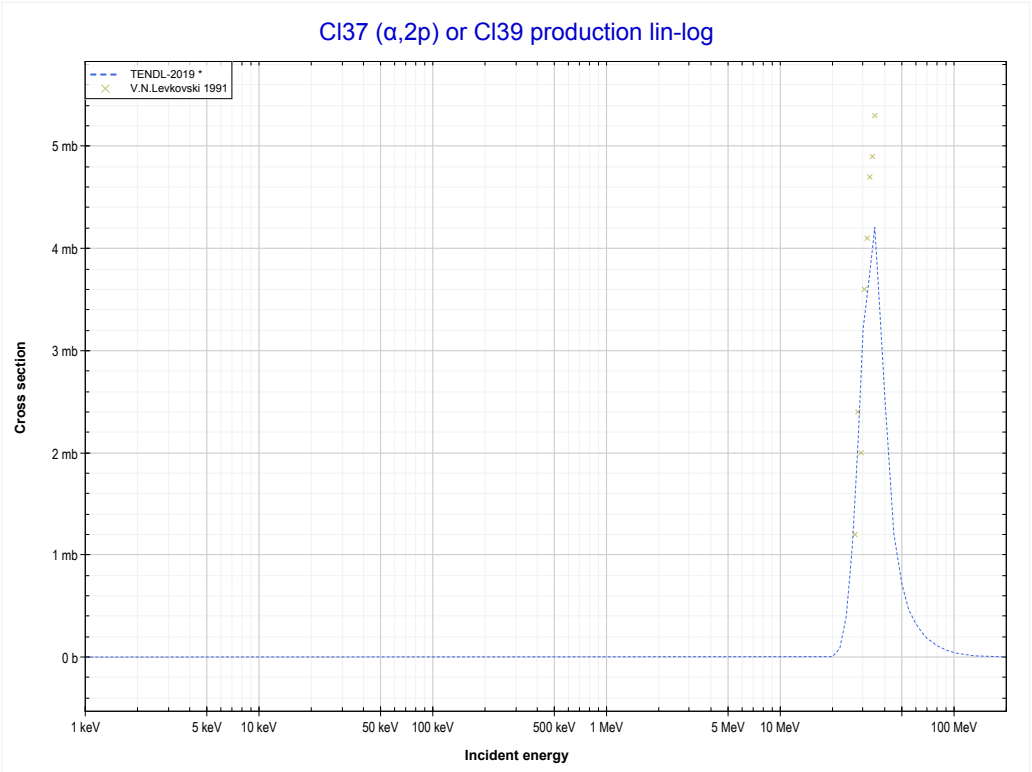
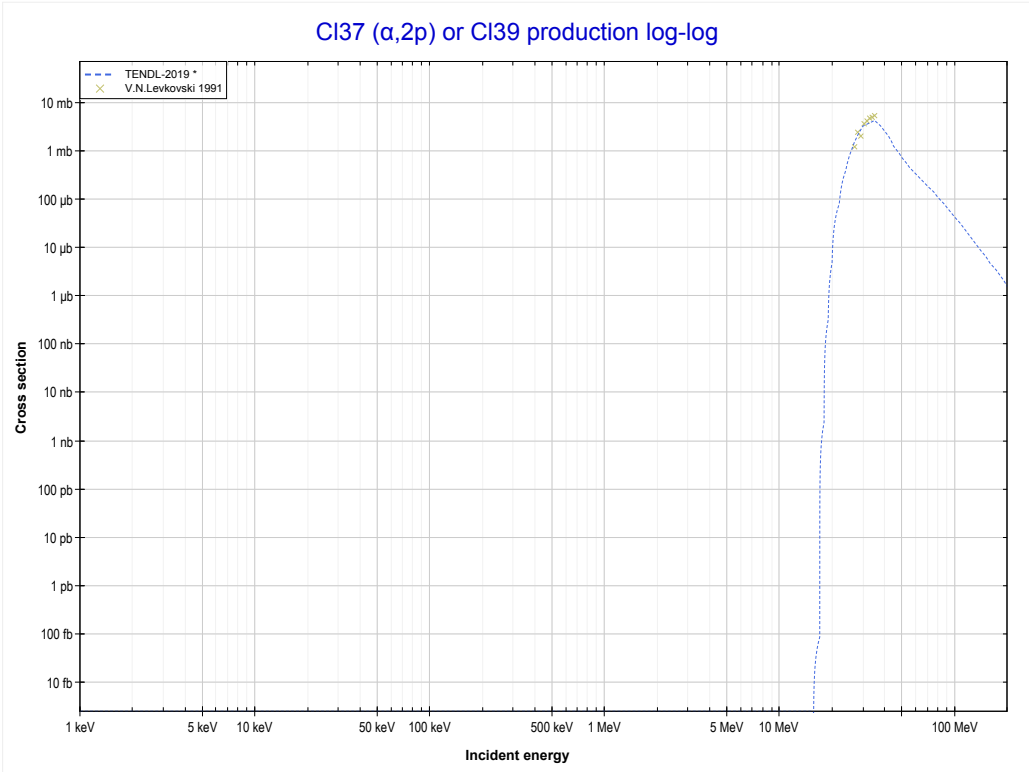
Reaction	Q-Value
CI35(α,n)K38	-5859.18 keV

<< 16-S-34	17-Cl-37	28-Ni-58 >>
<< 17-Cl-35 MT4 (α,n)	MT102 (α,γ) or MT5 (K41 production)	MT111 (α,2p) >>



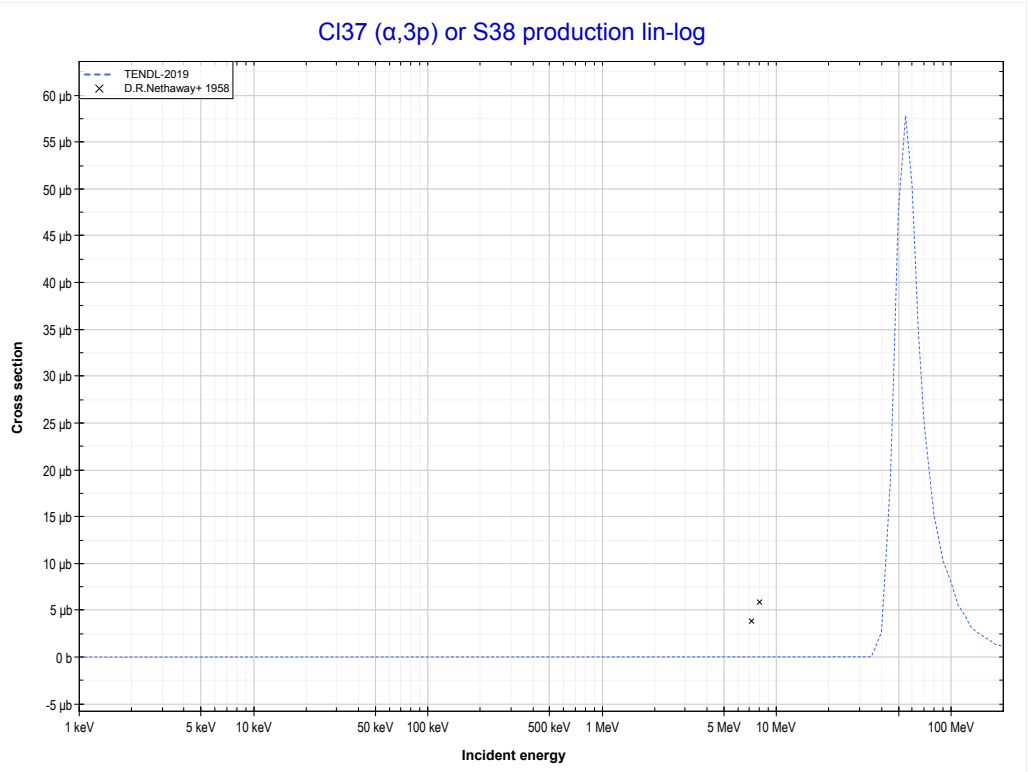
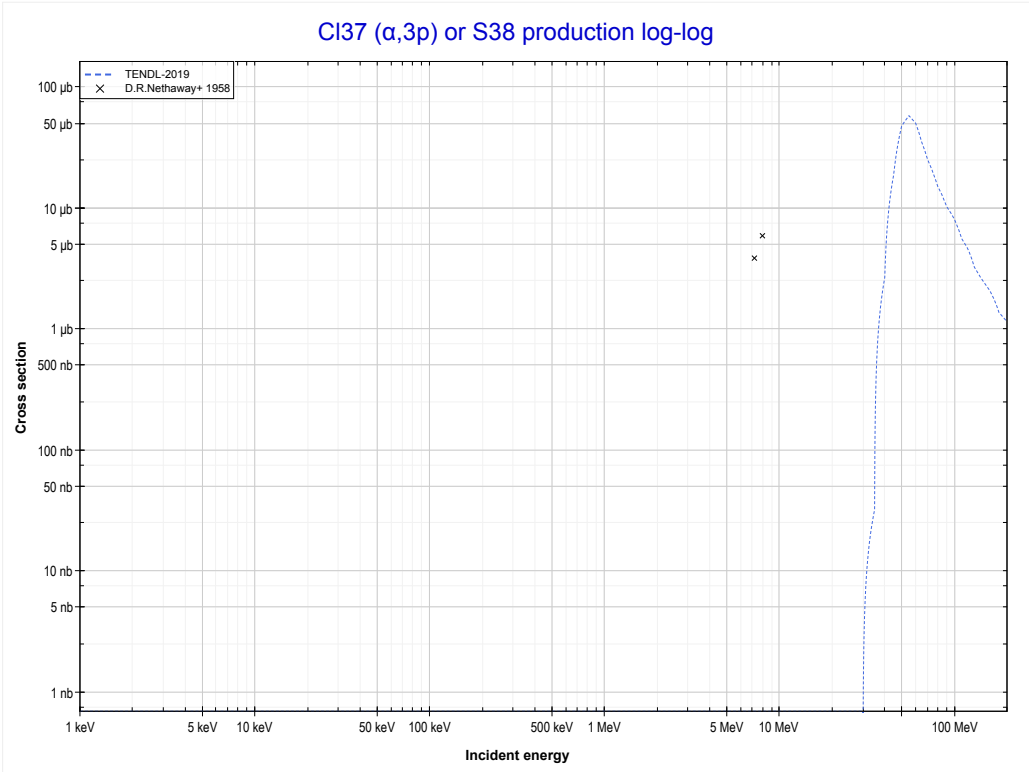
Reaction	Q-Value
Cl37(α,γ)K41	6222.92 keV

<< 13-Al-27	17-Cl-37	19-K-41 >>
<< MT102 (α,γ)	MT111 (α,2p) or MT5 (Cl39 production)	MT197 (α,3p) >>



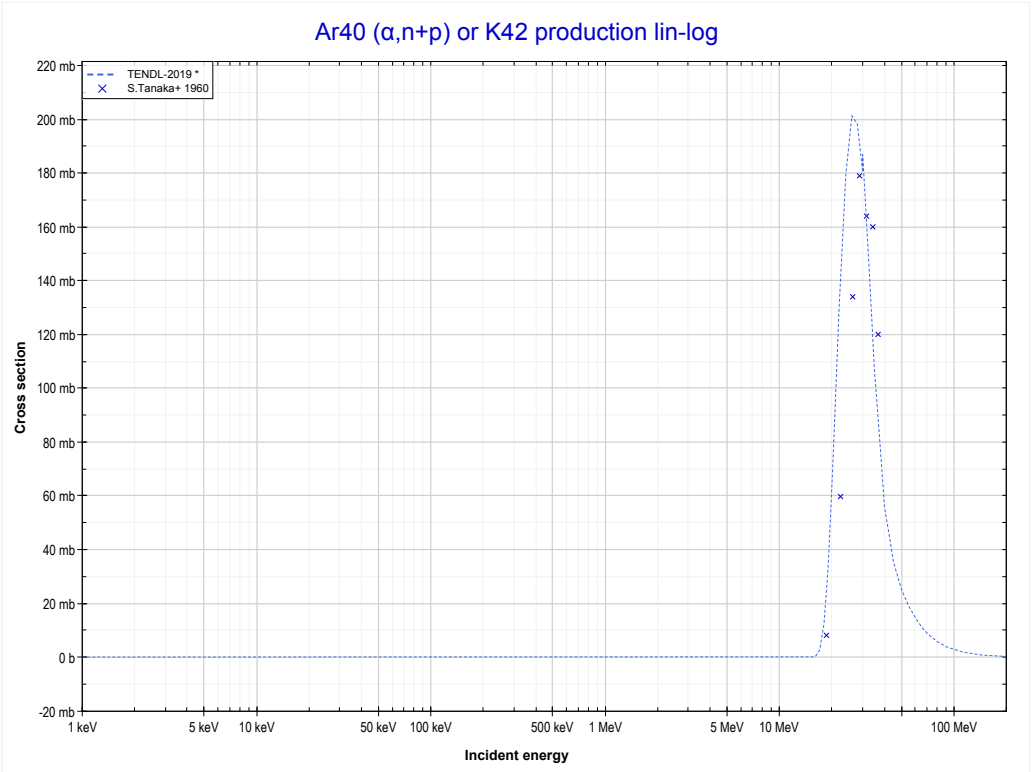
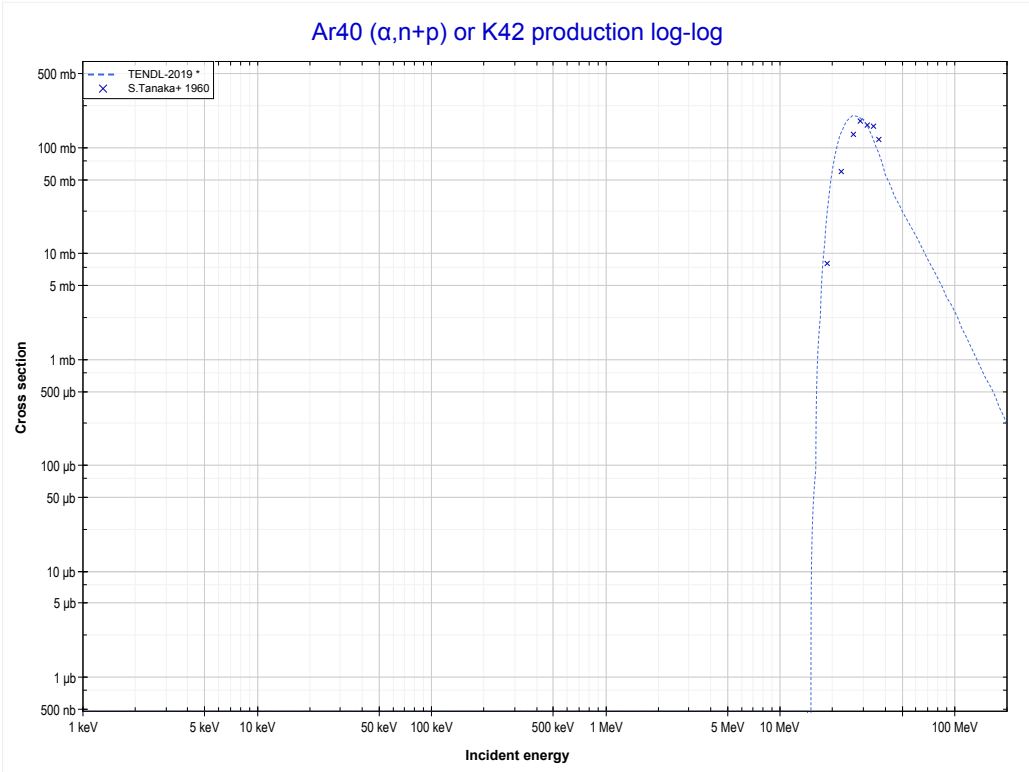
Reaction	Q-Value
Cl37(α,2p)Cl39	-14114.37 keV

<< 13-Al-27	17-Cl-37	
<< MT111 ($\alpha,2p$)	MT197 ($\alpha,3p$) or MT5 (S38 production)	18-Ar-40 MT28 ($\alpha,n+p$) >>



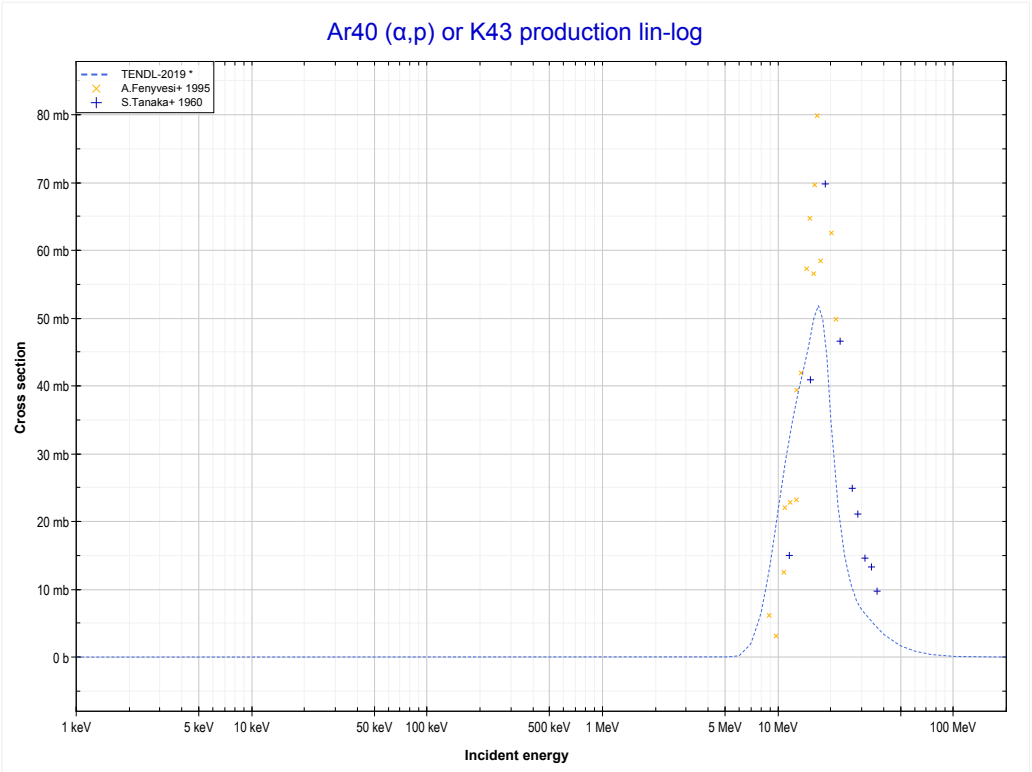
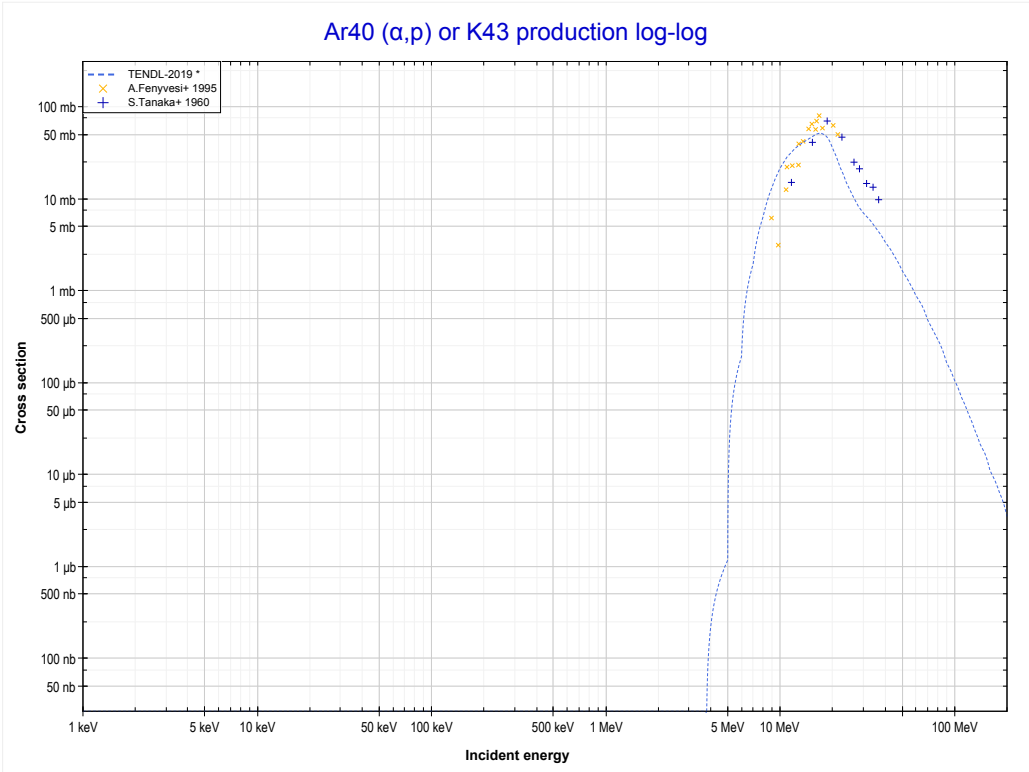
Reaction	Q-Value
Cl37($\alpha,3p$)S38	-24342.54 keV

<< 14-Si-28	18-Ar-40	20-Ca-42 >>
<< 17-Cl-37 MT197 (α,3p)	MT28 (α,n+p) or MT5 (K42 production)	MT103 (α,p) >>



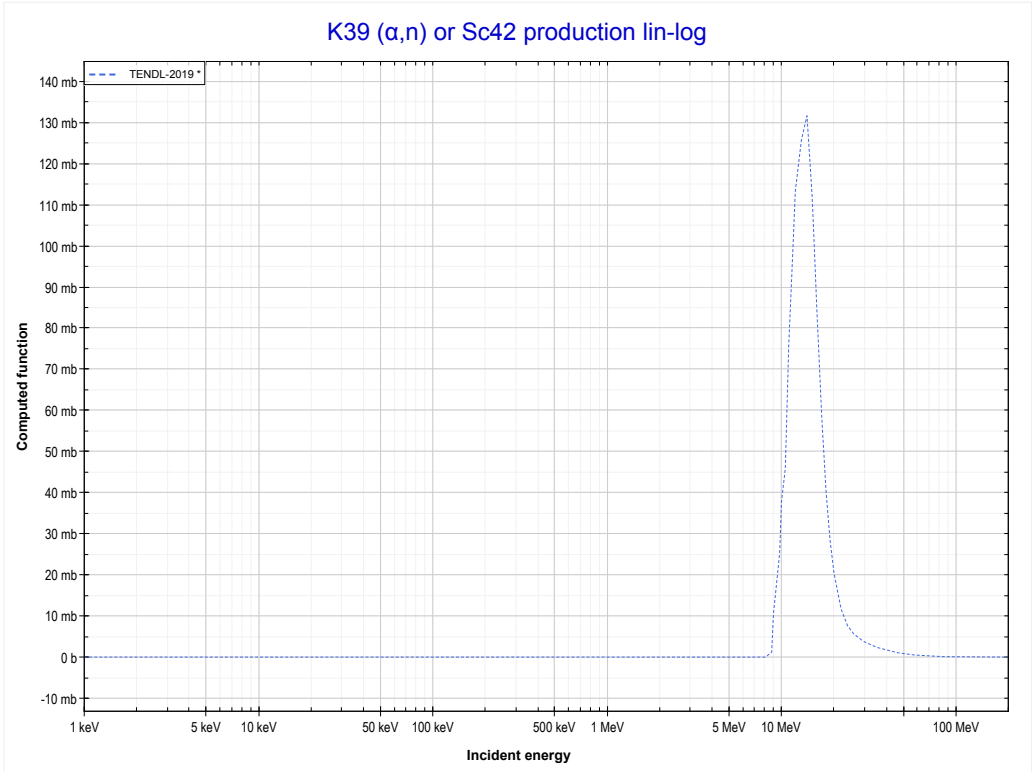
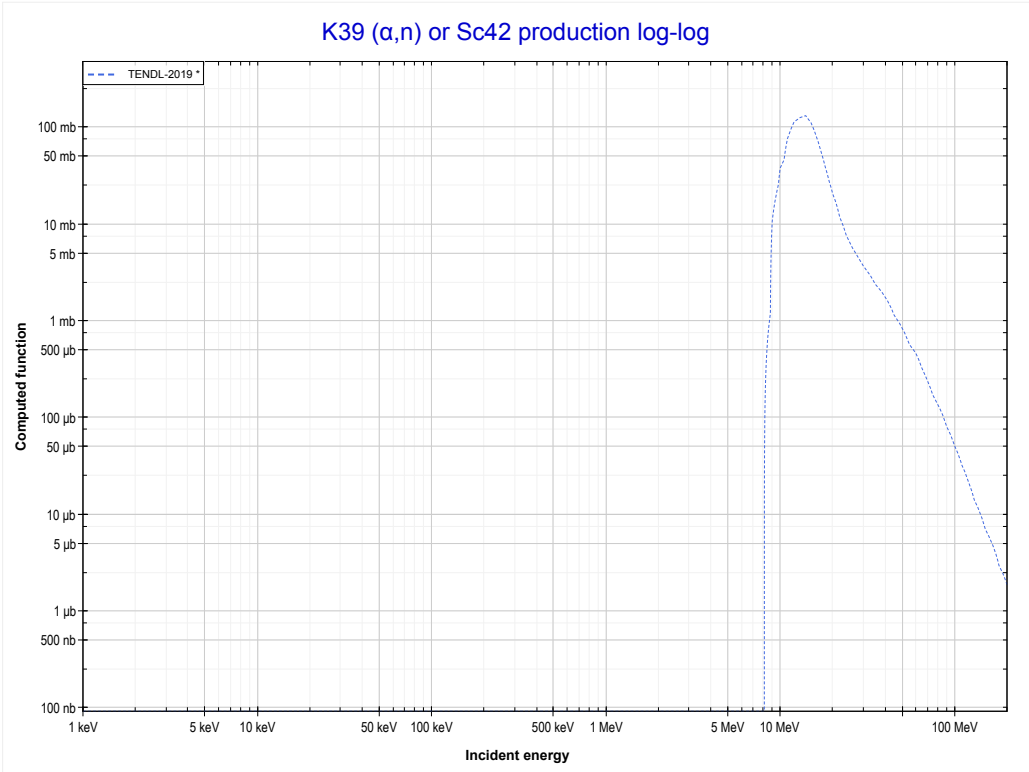
Reaction	Q-Value
Ar40(α,d)K42	-10728.67 keV
Ar40(α,n+p)K42	-12953.24 keV

<< 12-Mg-26	18-Ar-40	20-Ca-40 >>
<< MT28 (α,n+p)	MT103 (α,p) or MT5 (K43 production)	19-K-39 MT4 (α,n) >>



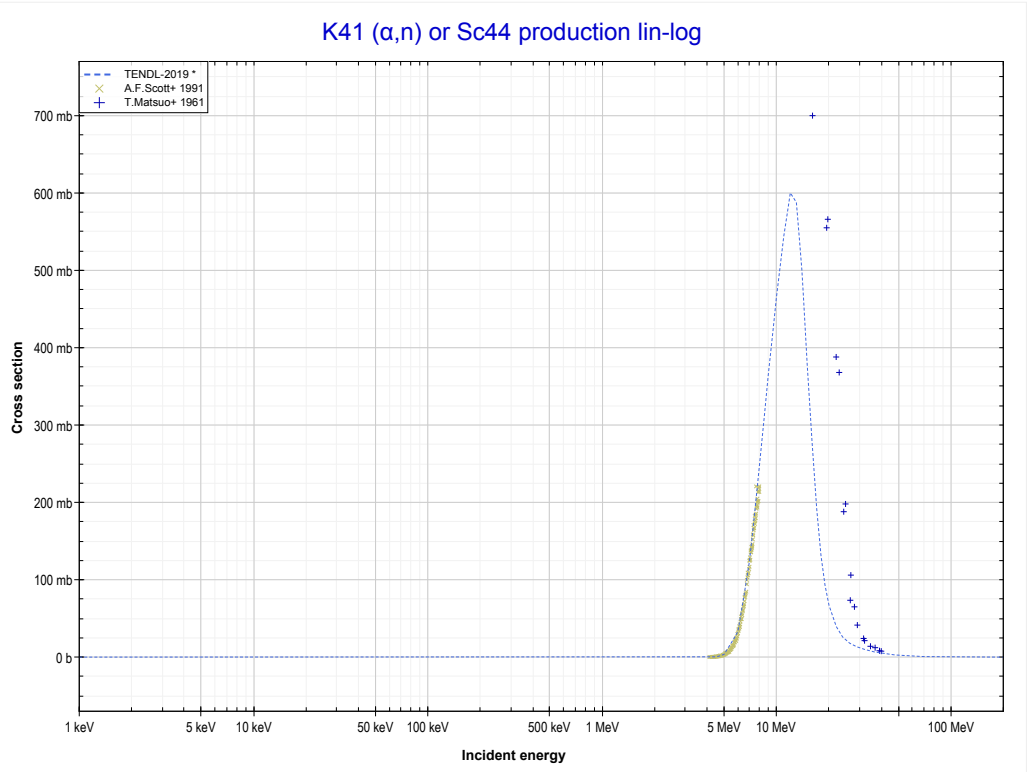
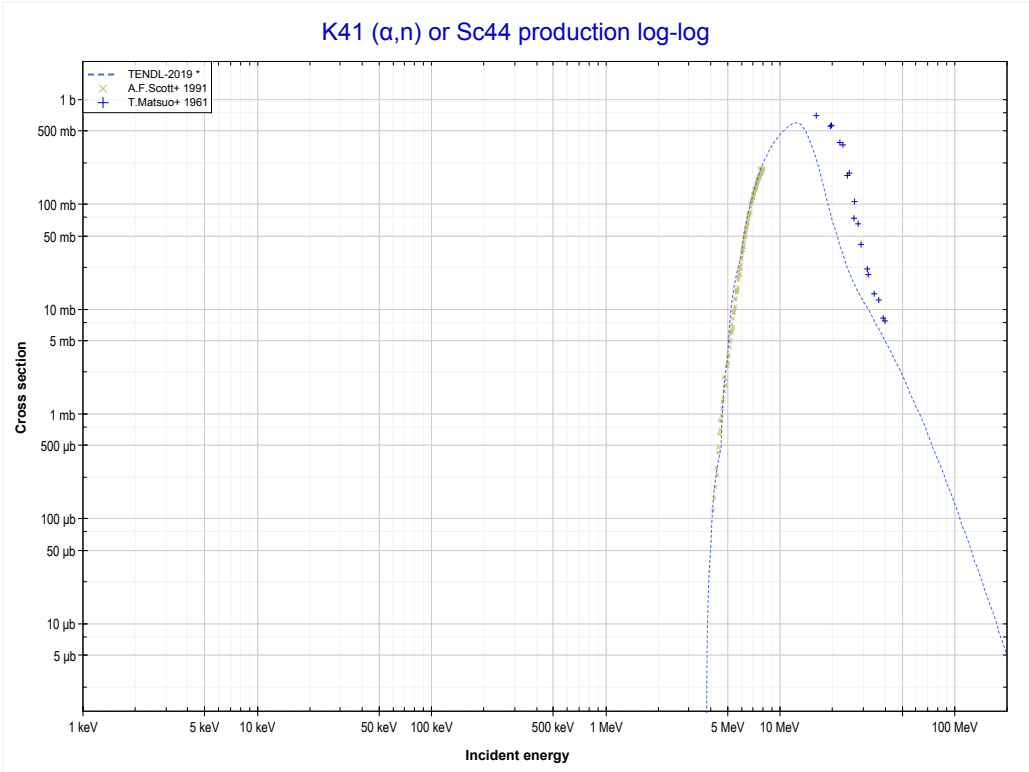
Reaction	Q-Value
Ar40(α,p)K43	-3328.55 keV

<< 17-CI-35	19-K-39	19-K-41 >>
<< 18-Ar-40 MT103 (α,p)	MT4 (α,n) or MT5 (Sc42 production)	19-K-41 MT4 (α,n) >>



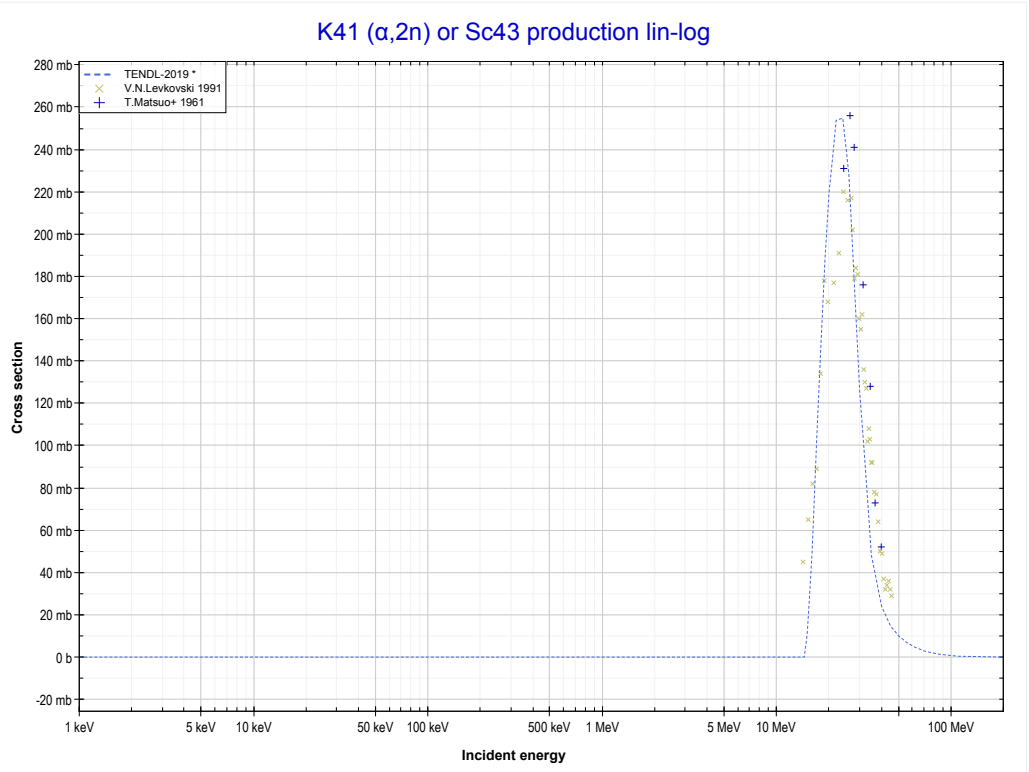
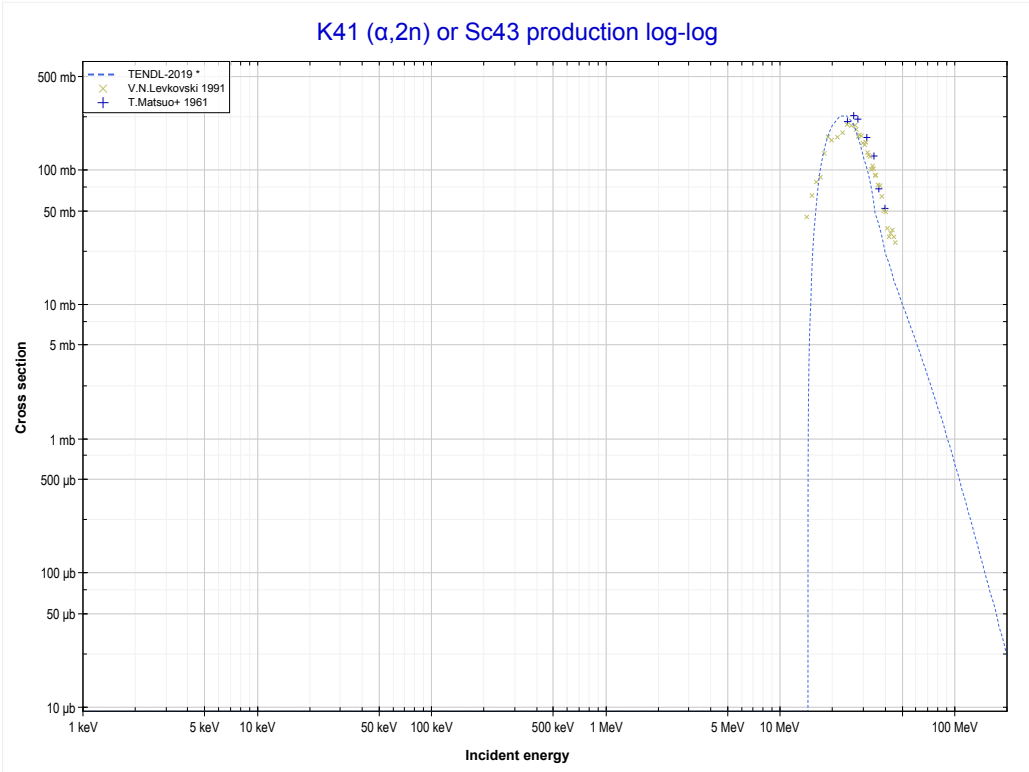
Reaction	Q-Value
K39(α,n)Sc42	-7332.44 keV

<< 19-K-39	19-K-41	21-Sc-45 >>
<< 19-K-39 MT4 (α,n)	MT4 (α,n) or MT5 (Sc44 production)	MT16 (α,2n) >>



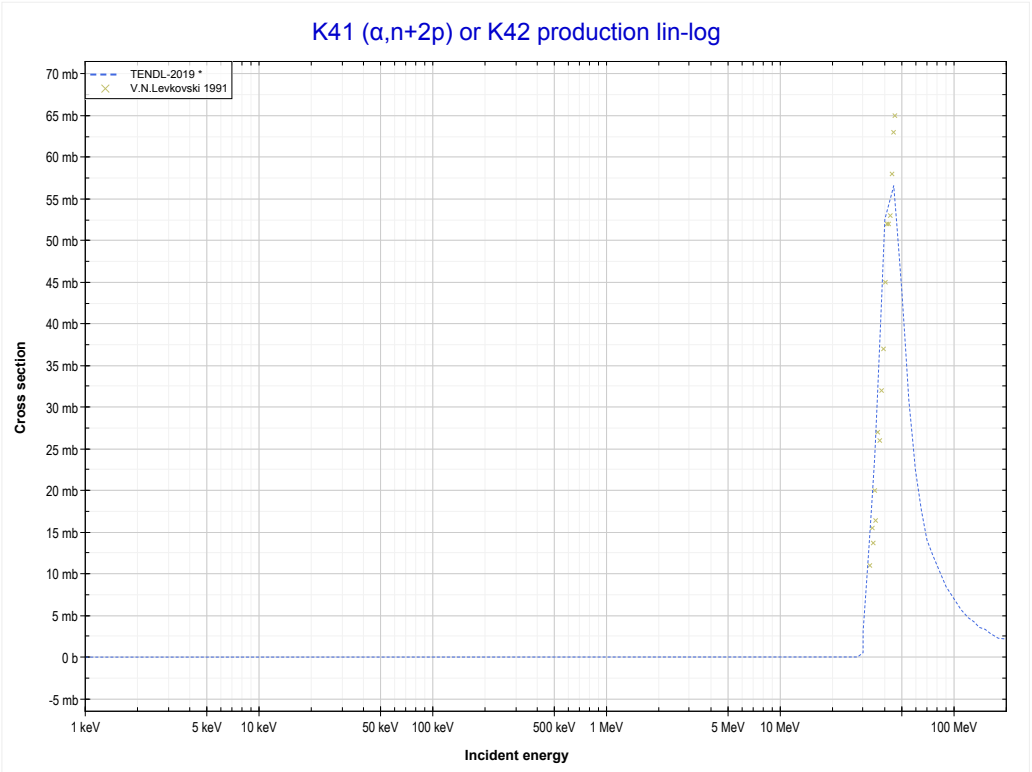
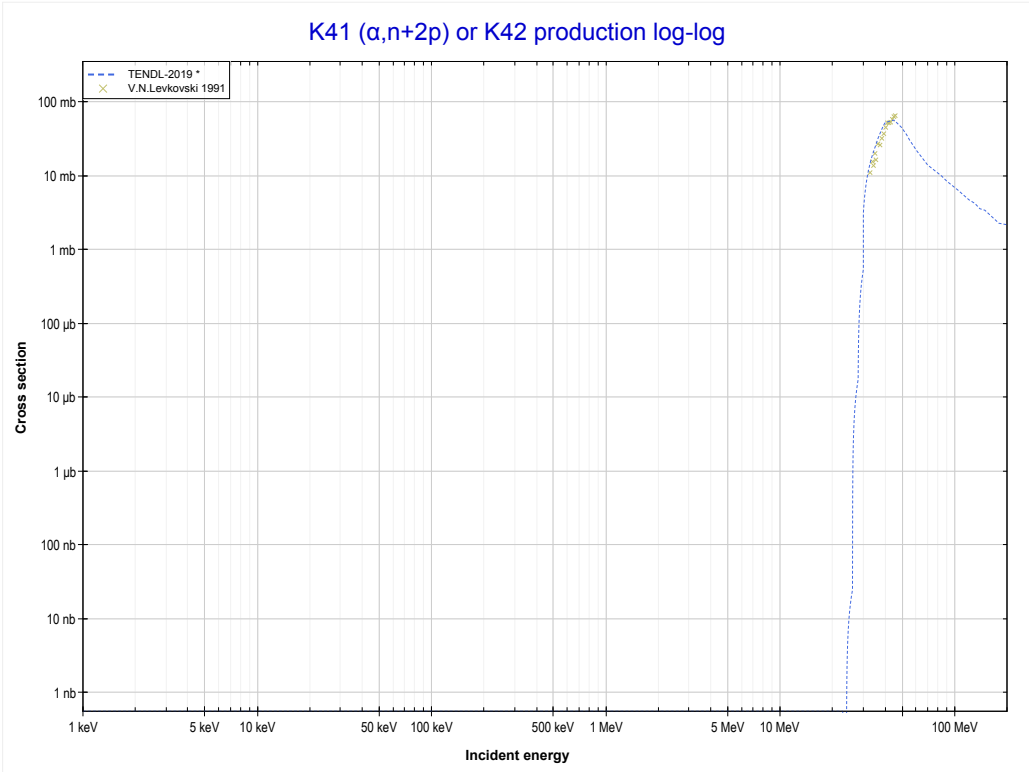
Reaction	Q-Value
K41(α,n)Sc44	-3389.94 keV

<< 14-Si-28	19-K-41	20-Ca-42 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Sc43 production)	MT44 (α,n+2p) >>



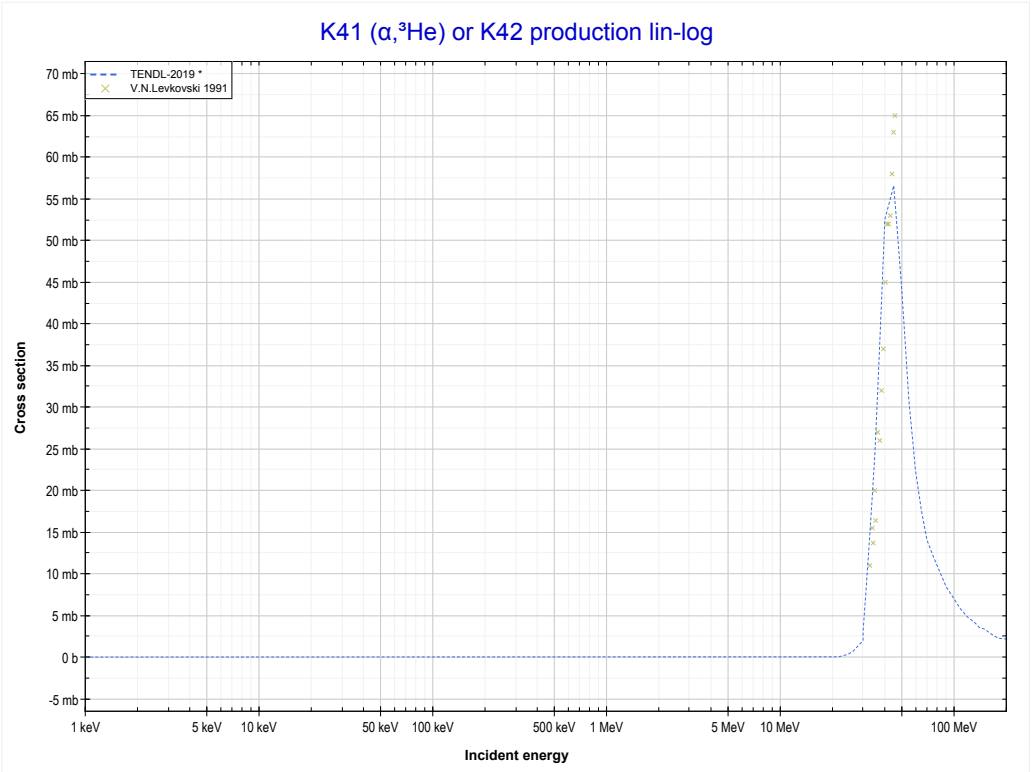
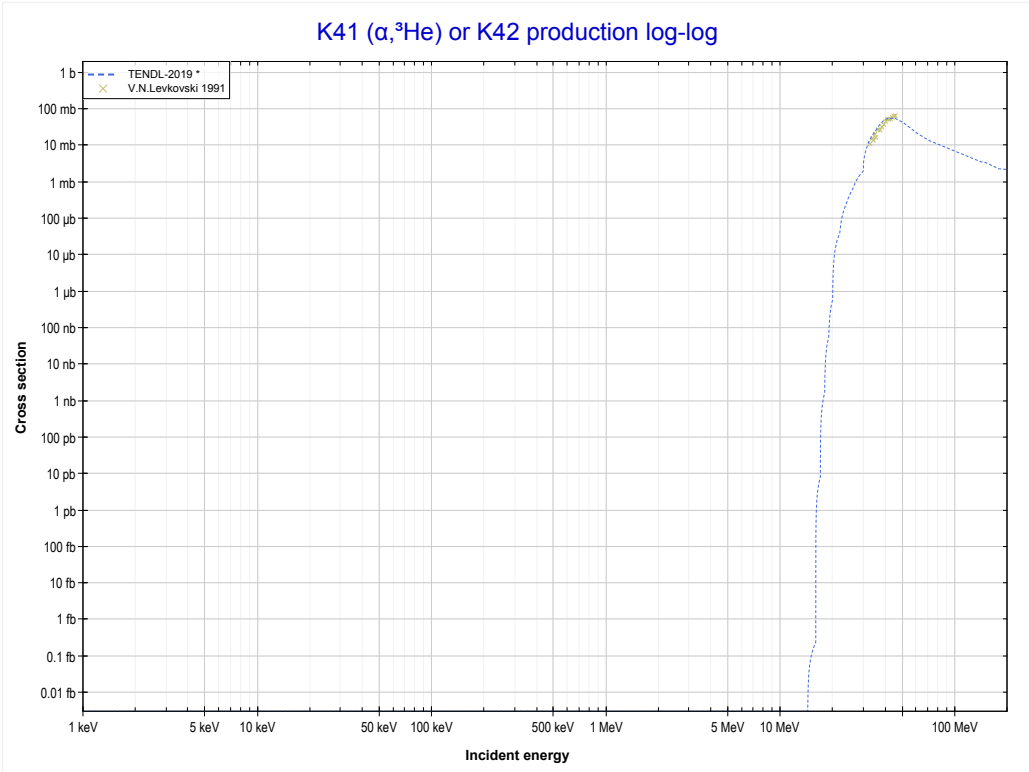
Reaction	Q-Value
K41(α,2n)Sc43	-13089.16 keV

<< 13-Al-27	19-K-41	21-Sc-45 >>
<< MT16 ($\alpha,2n$)	MT44 ($\alpha,n+2p$) or MT5 (K42 production)	MT106 ($\alpha,^3\text{He}$) >>



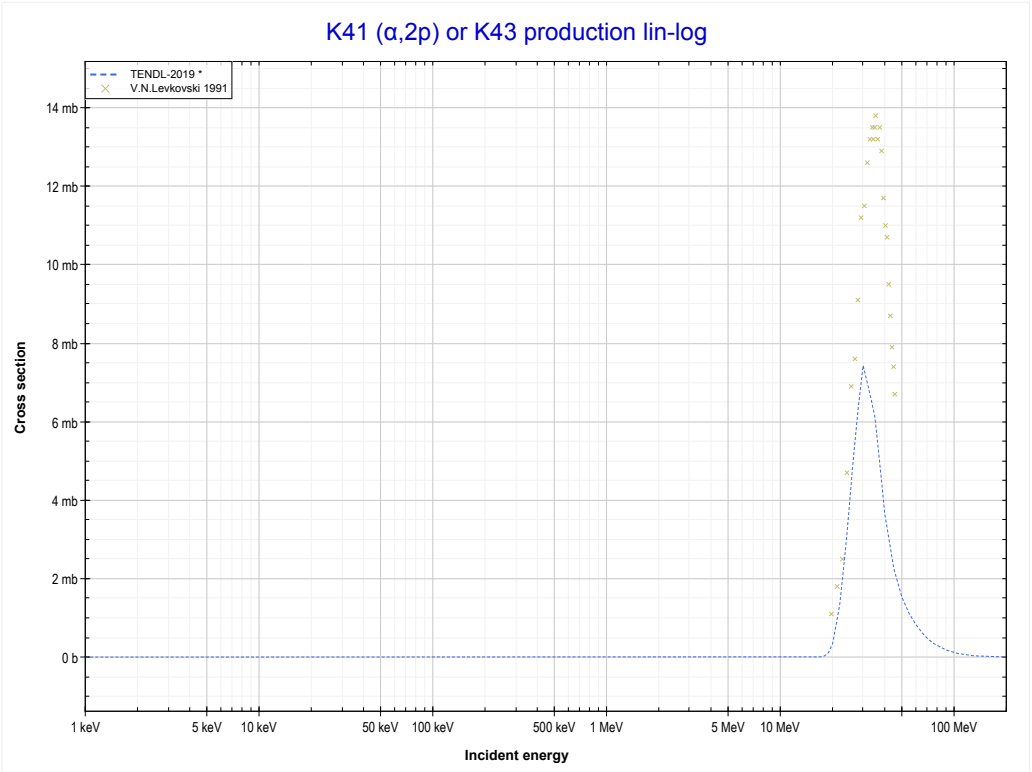
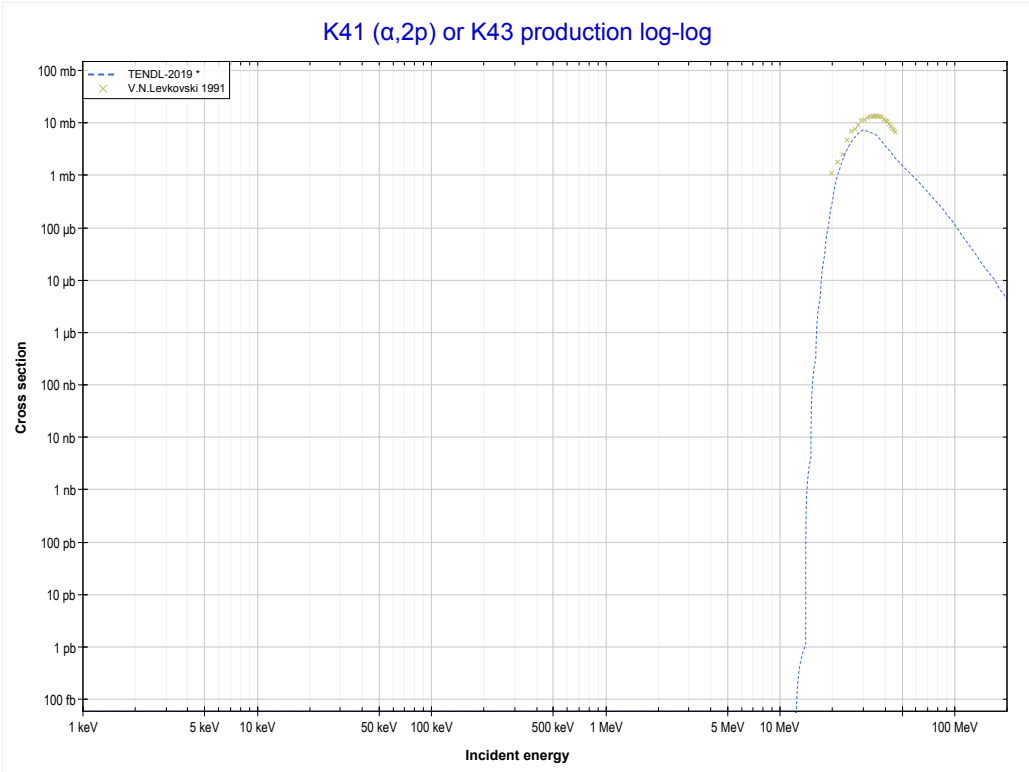
Reaction	Q-Value
K41($\alpha,\text{He3}$)K42	-13043.82 keV
K41($\alpha,p+d$)K42	-18537.29 keV
K41($\alpha,n+2p$)K42	-20761.86 keV

<< 13-Al-27	19-K-41	21-Sc-45 >>
<< MT44 (α ,n+2p)	MT106 (α , ^3He) or MT5 (K42 production)	MT111 (α ,2p) >>



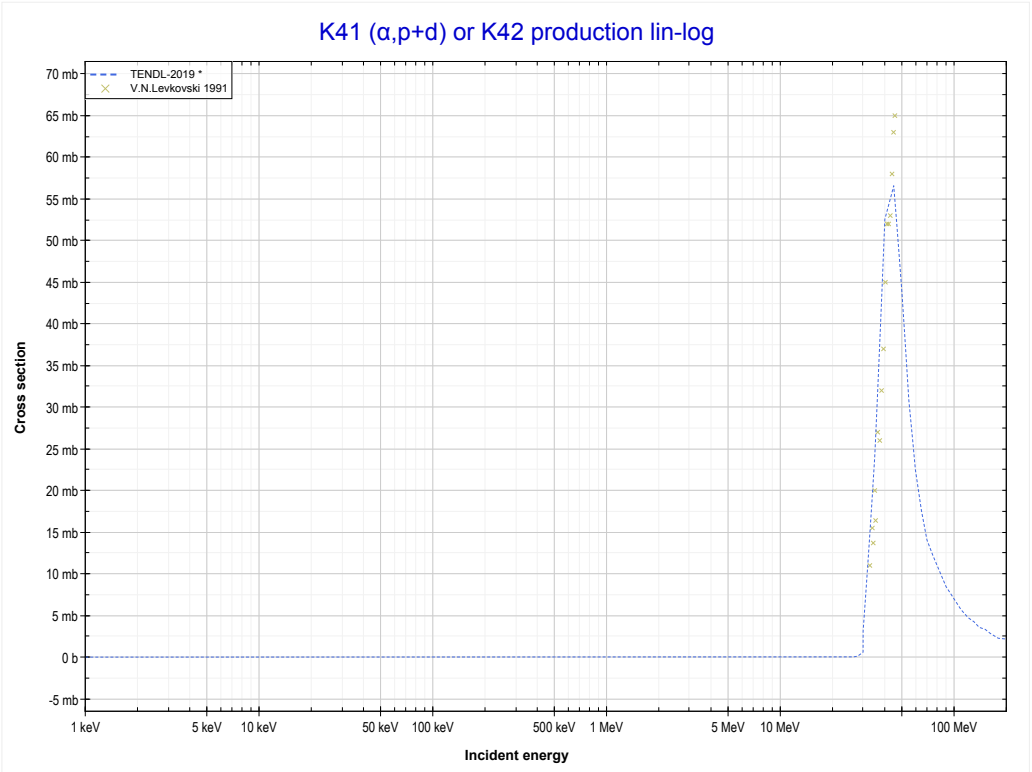
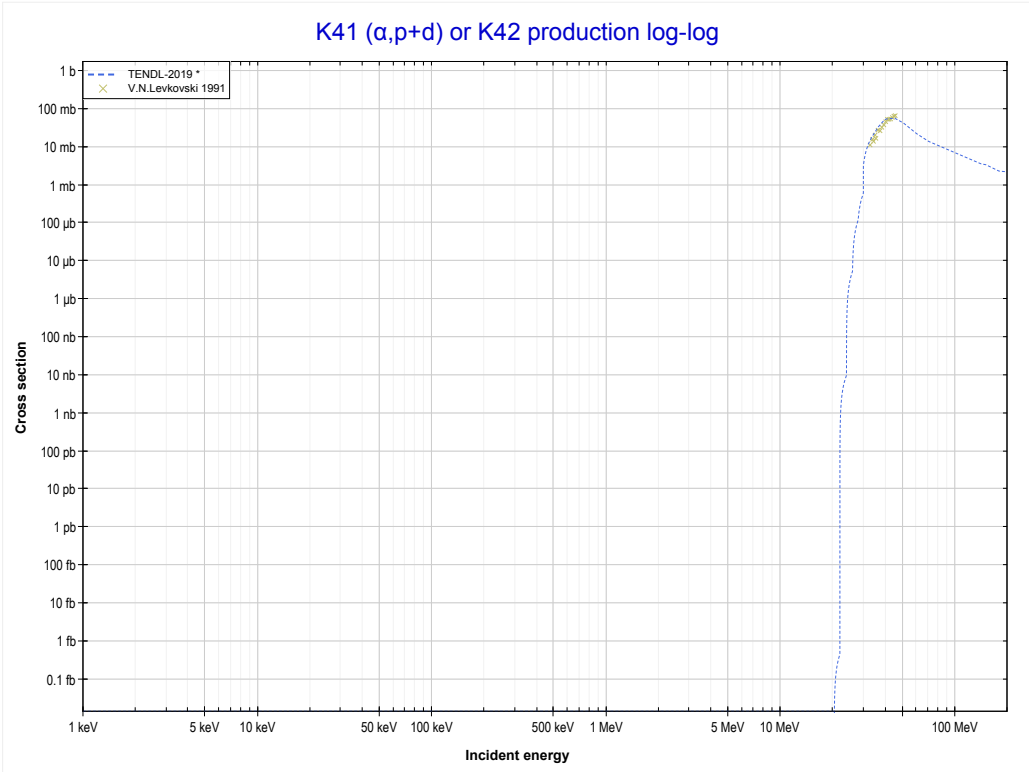
Reaction	Q-Value
K41(α ,He3)K42	-13043.82 keV
K41(α ,p+d)K42	-18537.29 keV
K41(α ,n+2p)K42	-20761.86 keV

<< 17-CI-37	19-K-41	21-Sc-45 >>
<< MT106 (α , ^3He)	MT111 (α ,2p) or MT5 (K43 production)	MT115 (α ,p+d) >>



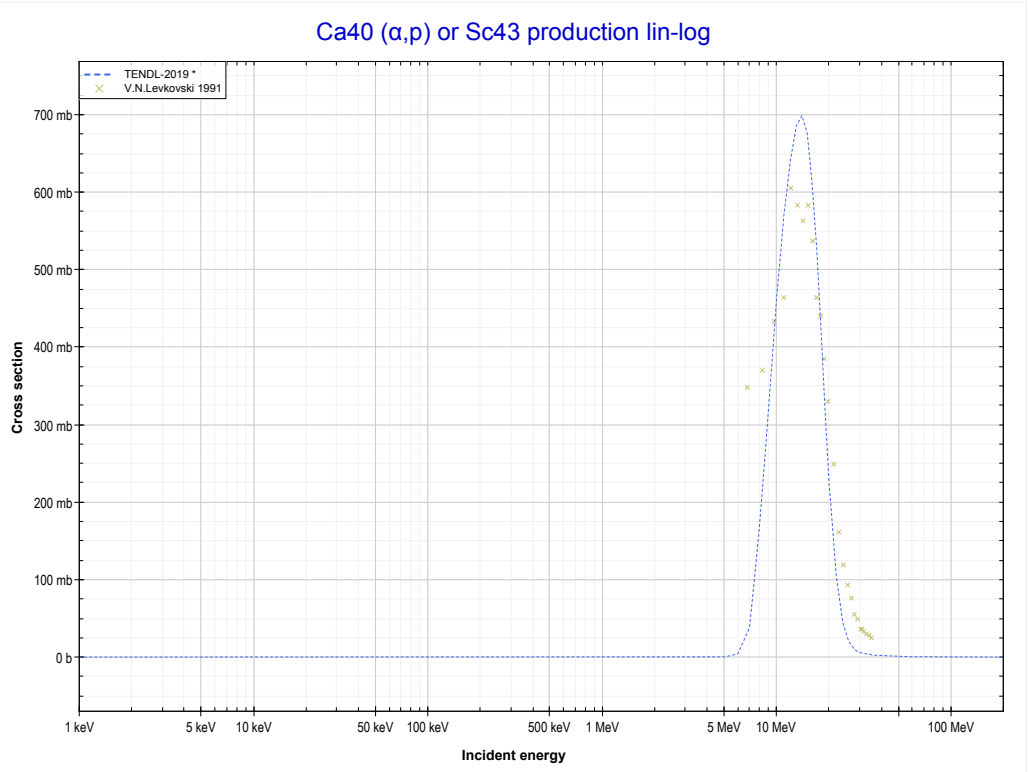
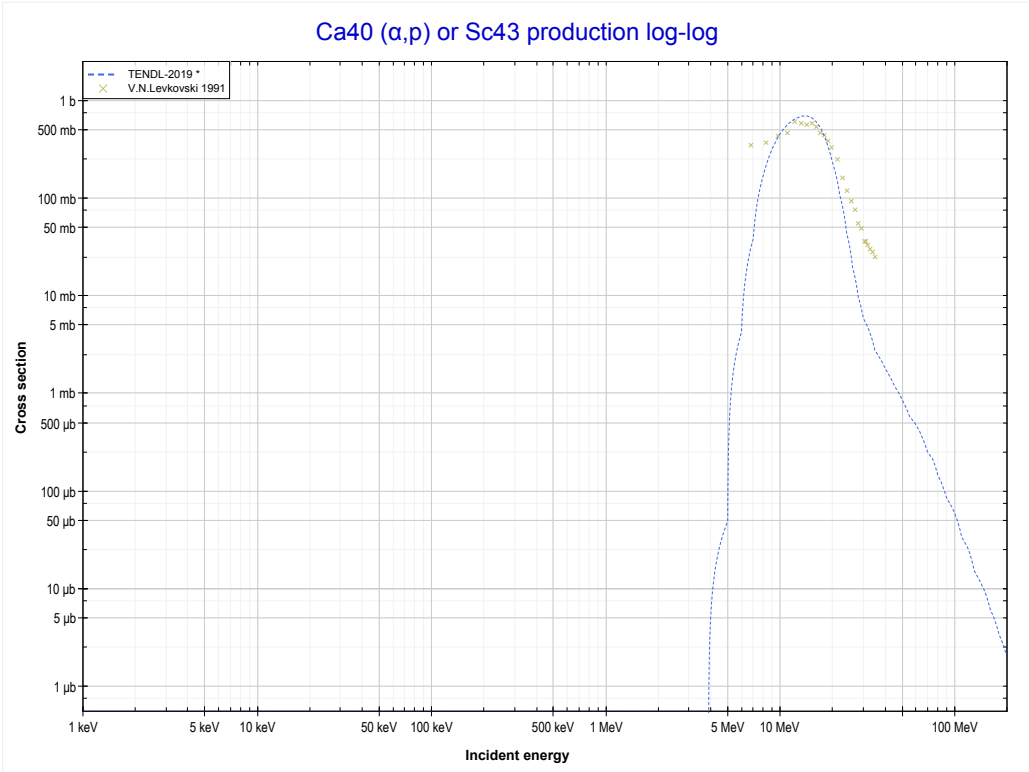
Reaction	Q-Value
K41(α ,2p)K43	-11137.17 keV

<< 13-Al-27	19-K-41	21-Sc-45 >>
<< MT111 ($\alpha,2p$)	MT115 ($\alpha,p+d$) or MT5 (K42 production)	20-Ca-40 MT103 (α,p) >>



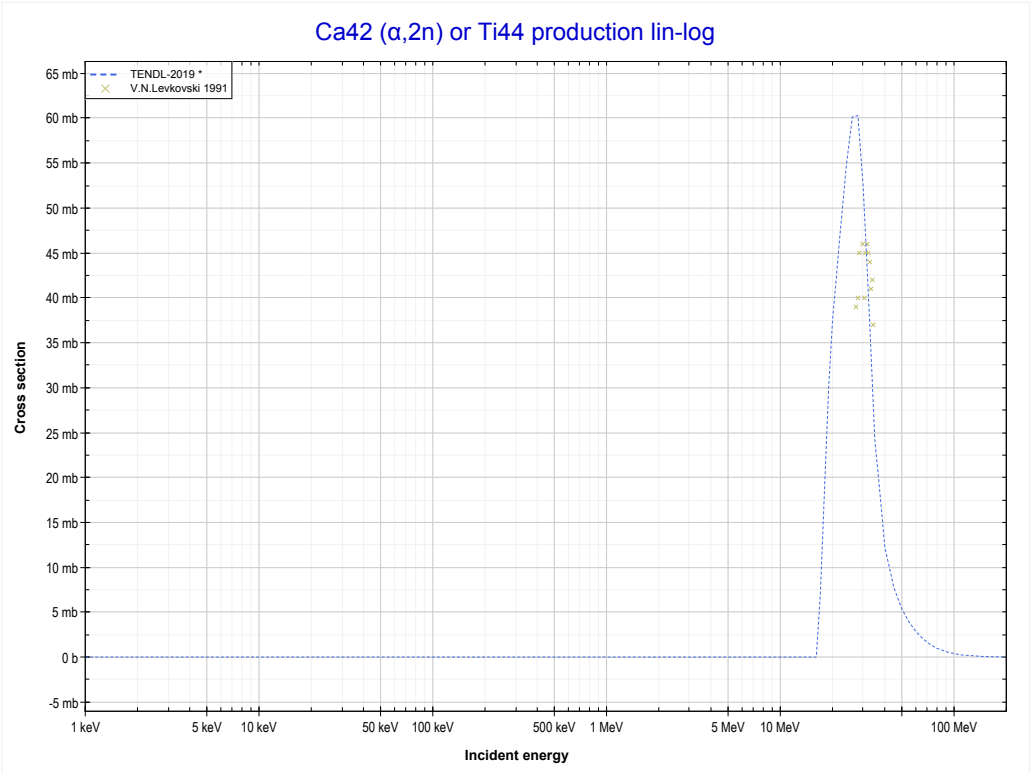
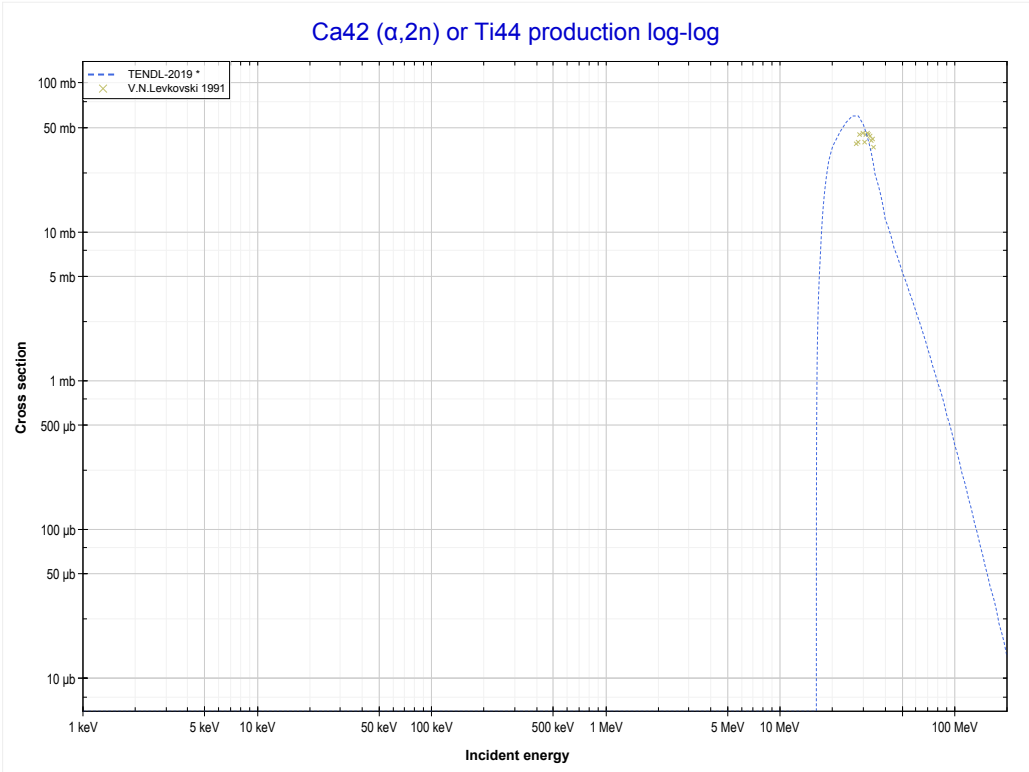
Reaction	Q-Value
K41($\alpha,\text{He3}$)K42	-13043.82 keV
K41($\alpha,p+d$)K42	-18537.29 keV
K41($\alpha,n+2p$)K42	-20761.86 keV

<< 18-Ar-40	20-Ca-40	20-Ca-43 >>
<< 19-K-41 MT115 (α,p+d)	MT103 (α,p) or MT5 (Sc43 production)	20-Ca-42 MT16 (α,2n) >>



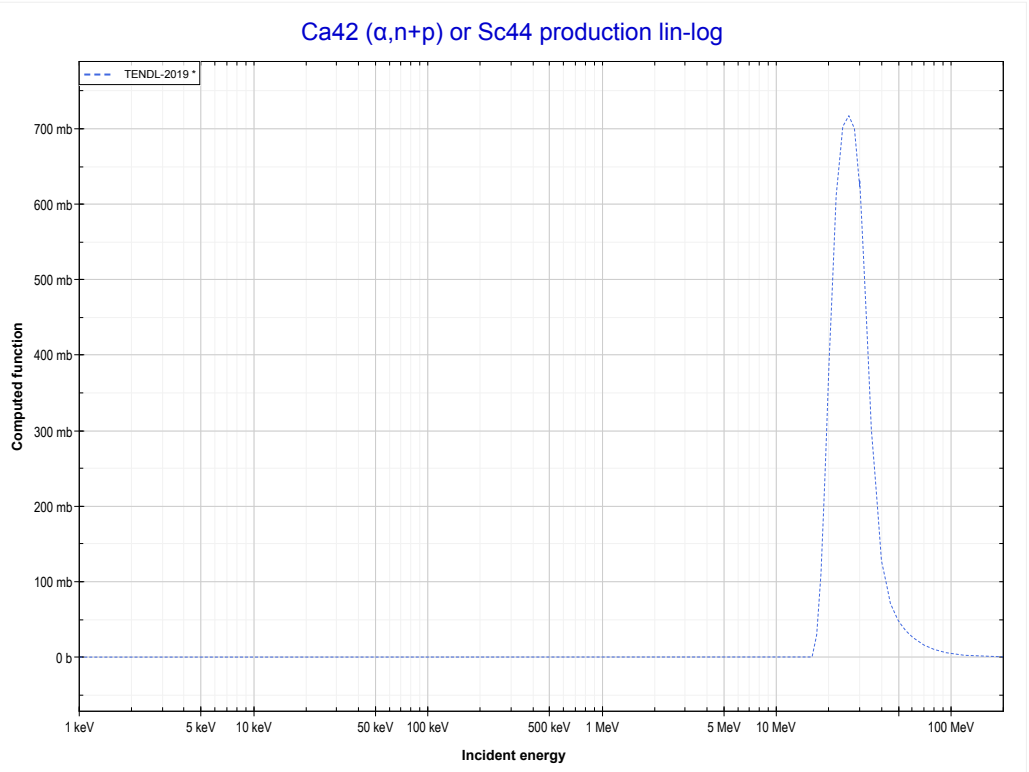
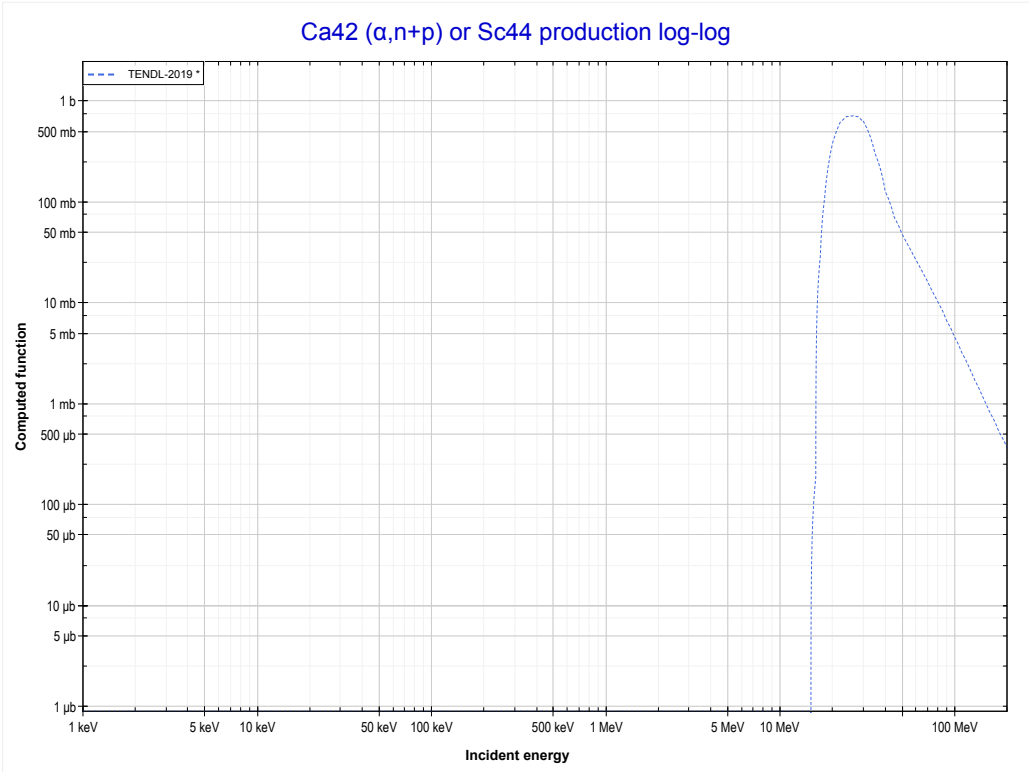
Reaction	Q-Value
Ca40(α,p)Sc43	-3522.34 keV

<< 19-K-41	20-Ca-42	21-Sc-45 >>
<< 20-Ca-40 MT103 (α,p)	MT16 (α,2n) or MT5 (Ti44 production)	MT28 (α,n+p) >>



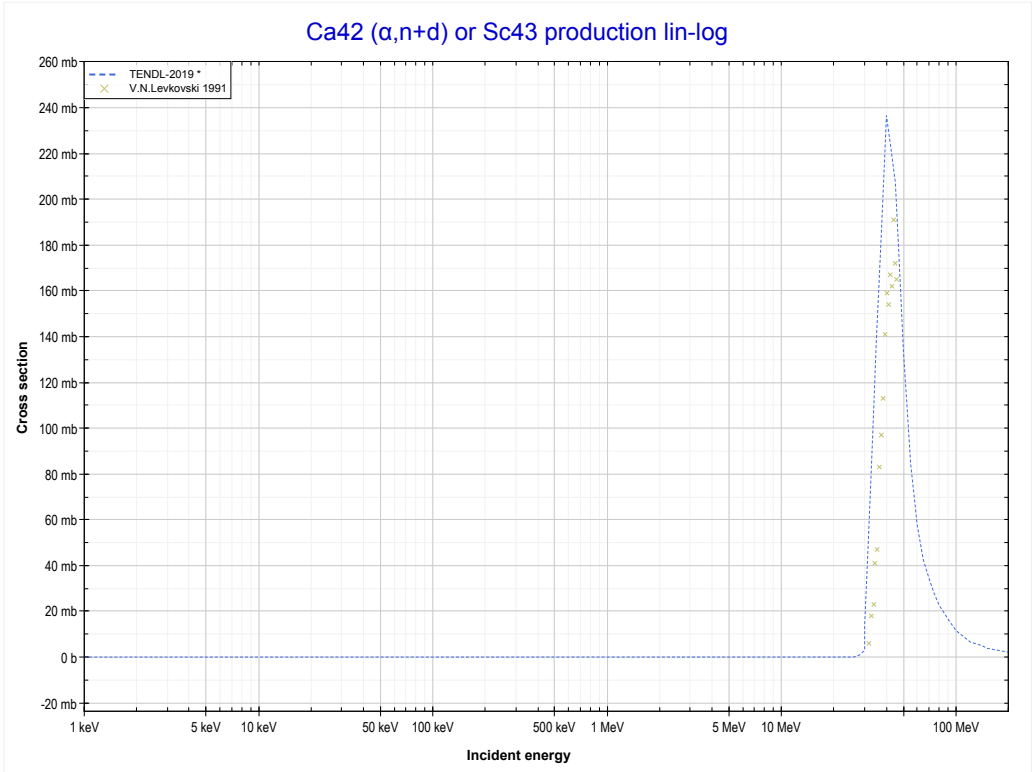
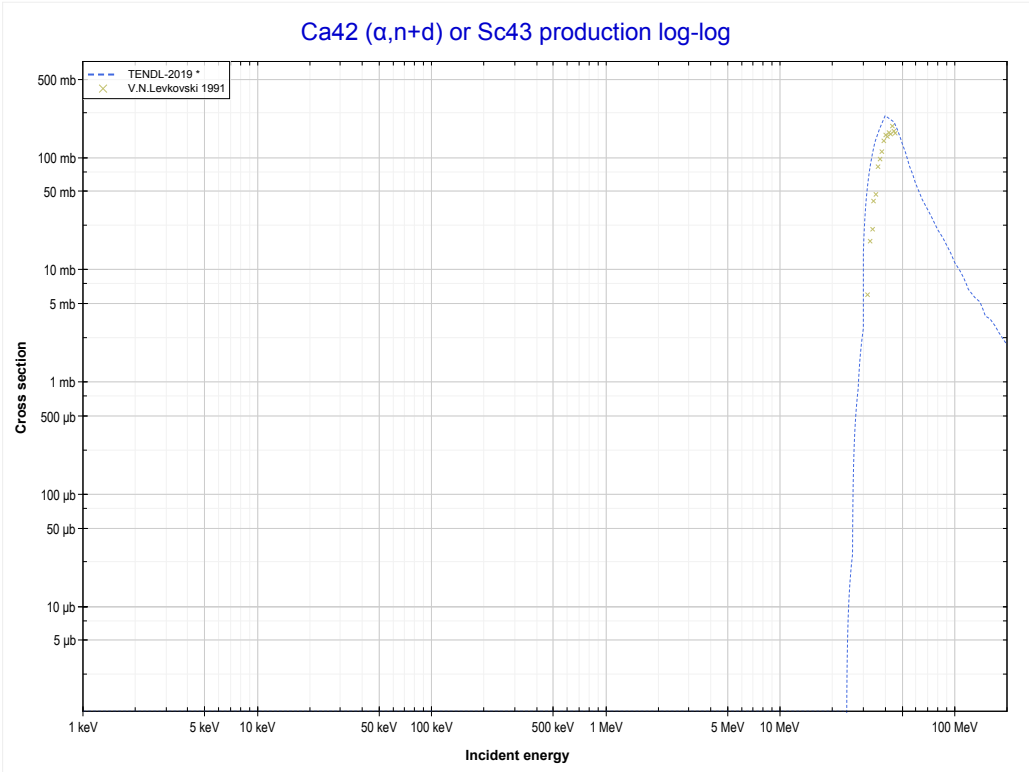
Reaction	Q-Value
Ca42(α,2n)Ti44	-14716.36 keV

<< 18-Ar-40	20-Ca-42	20-Ca-44 >>
<< MT16 (α,2n)	MT28 (α,n+p) or MT5 (Sc44 production)	MT32 (α,n+d) >>



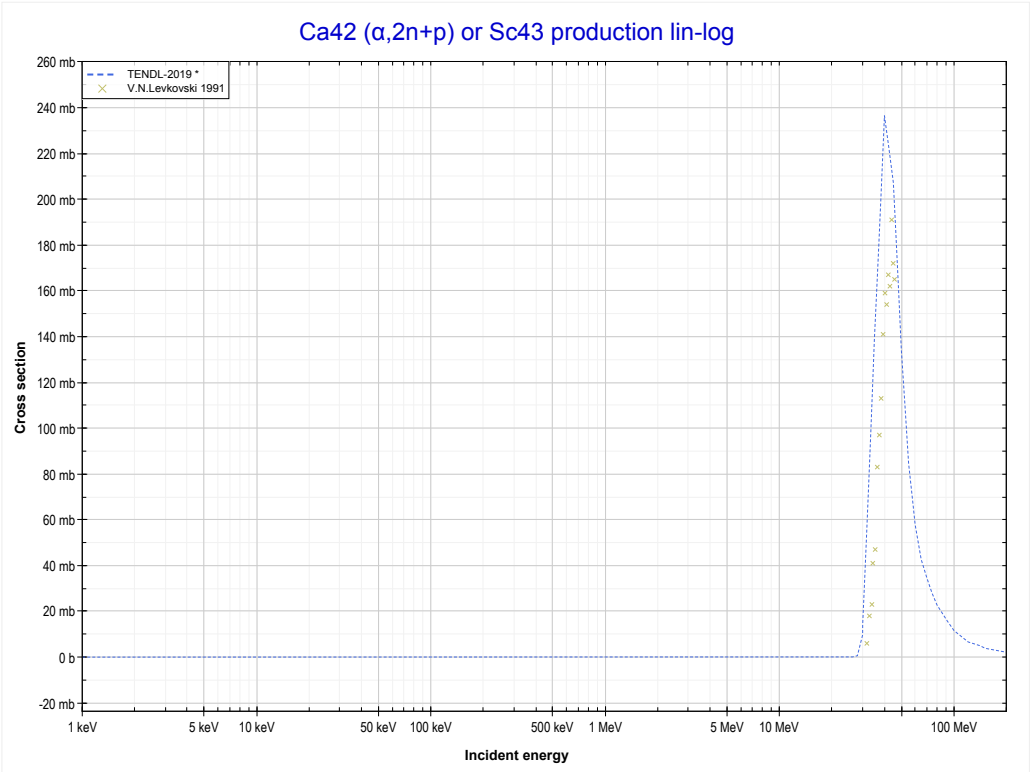
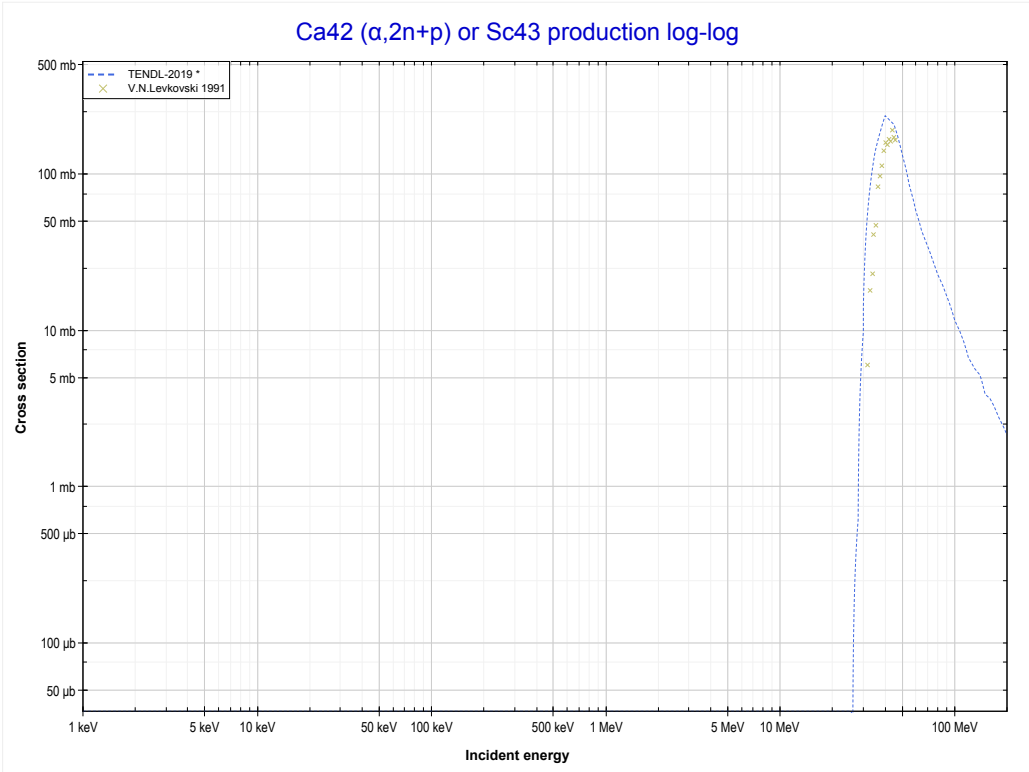
Reaction	Q-Value
Ca42(α,d)Sc44	-11442.05 keV
Ca42(α,n+p)Sc44	-13666.61 keV

<< 6-C-12	20-Ca-42	20-Ca-43 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Sc43 production)	MT41 (α,2n+p) >>



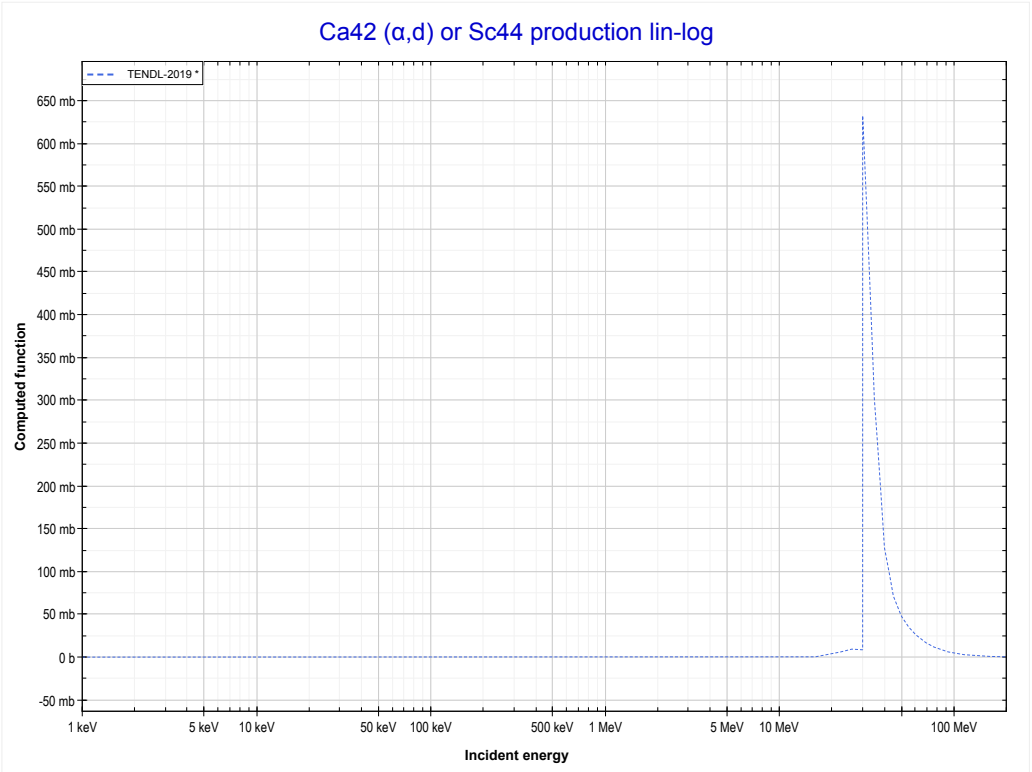
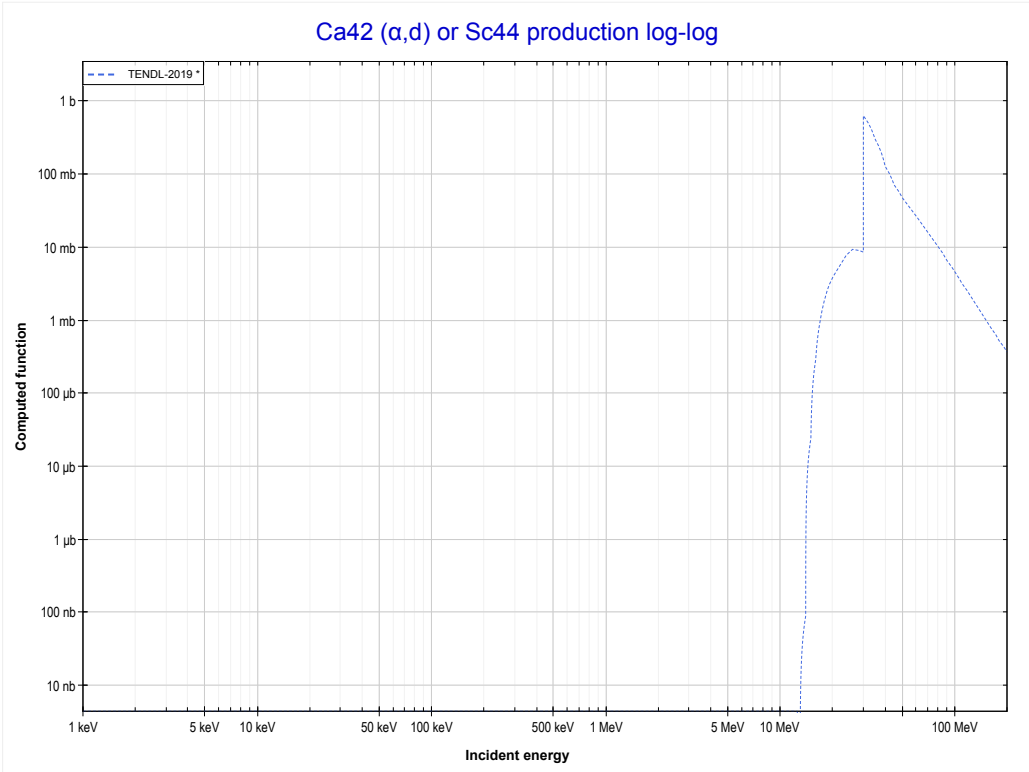
Reaction	Q-Value
Ca42(α,t)Sc43	-14884.03 keV
Ca42(α,n+d)Sc43	-21141.26 keV
Ca42(α,2n+p)Sc43	-23365.83 keV

<< 6-C-12	20-Ca-42	20-Ca-43 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Sc43 production)	MT104 (α,d) >>



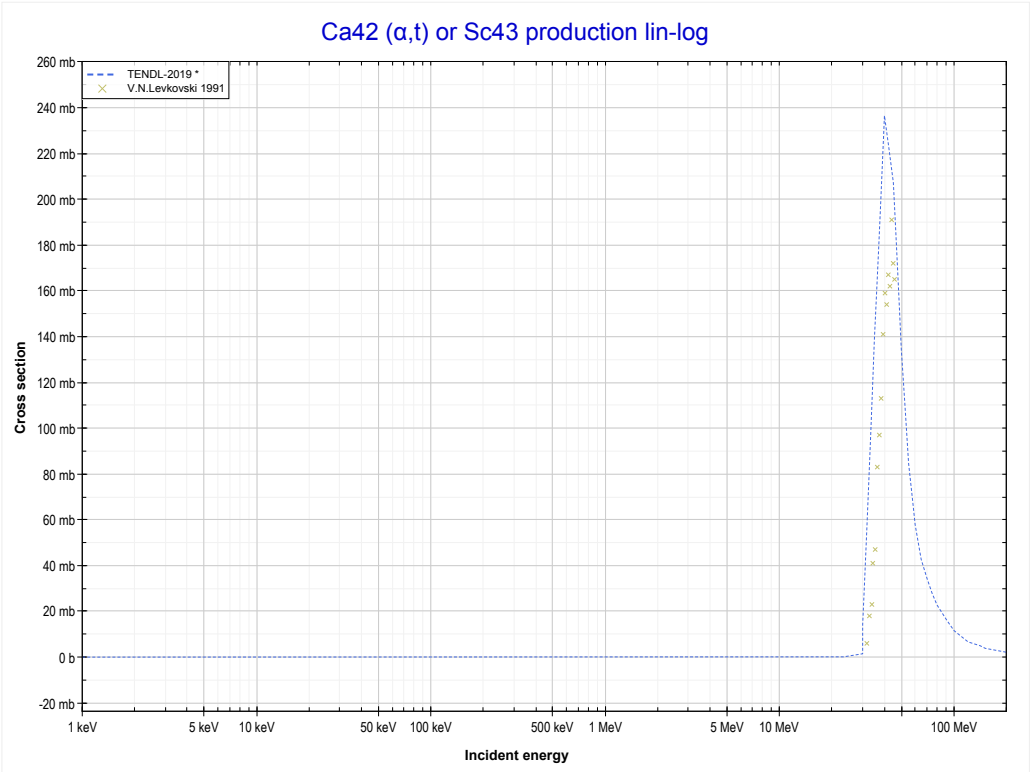
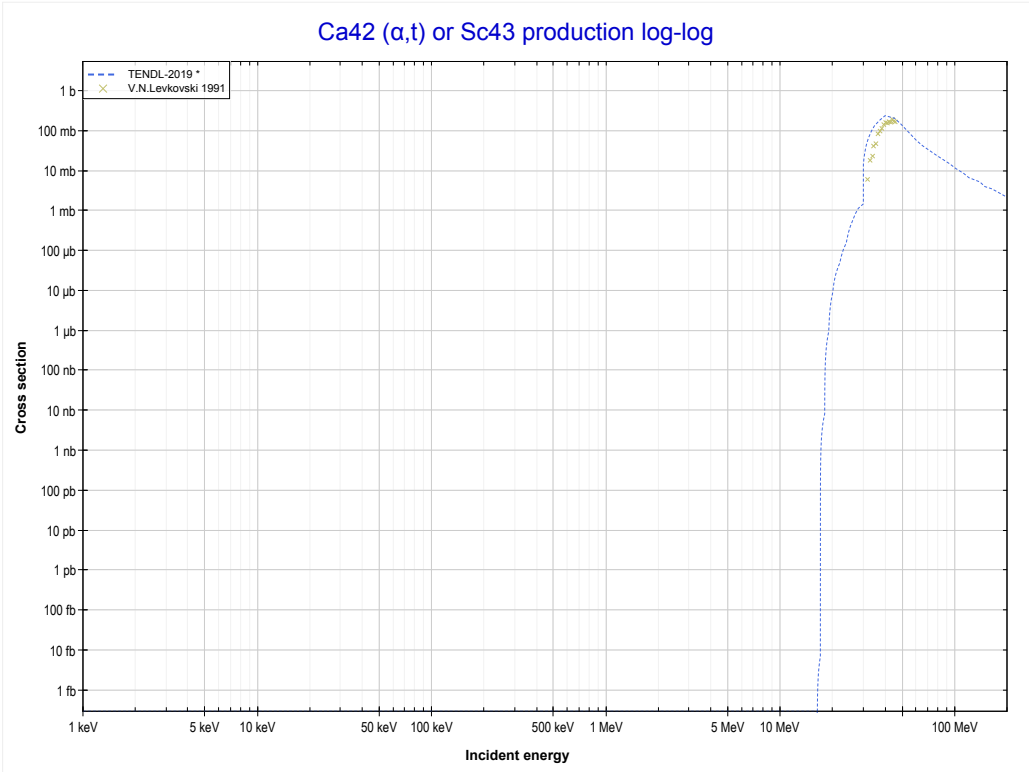
Reaction	Q-Value
Ca42(α,t)Sc43	-14884.03 keV
Ca42(α,n+d)Sc43	-21141.26 keV
Ca42(α,2n+p)Sc43	-23365.83 keV

<< 14-Si-28	20-Ca-42	20-Ca-44 >>
<< MT41 (α,2n+p)	MT104 (α,d) or MT5 (Sc44 production)	MT105 (α,t) >>



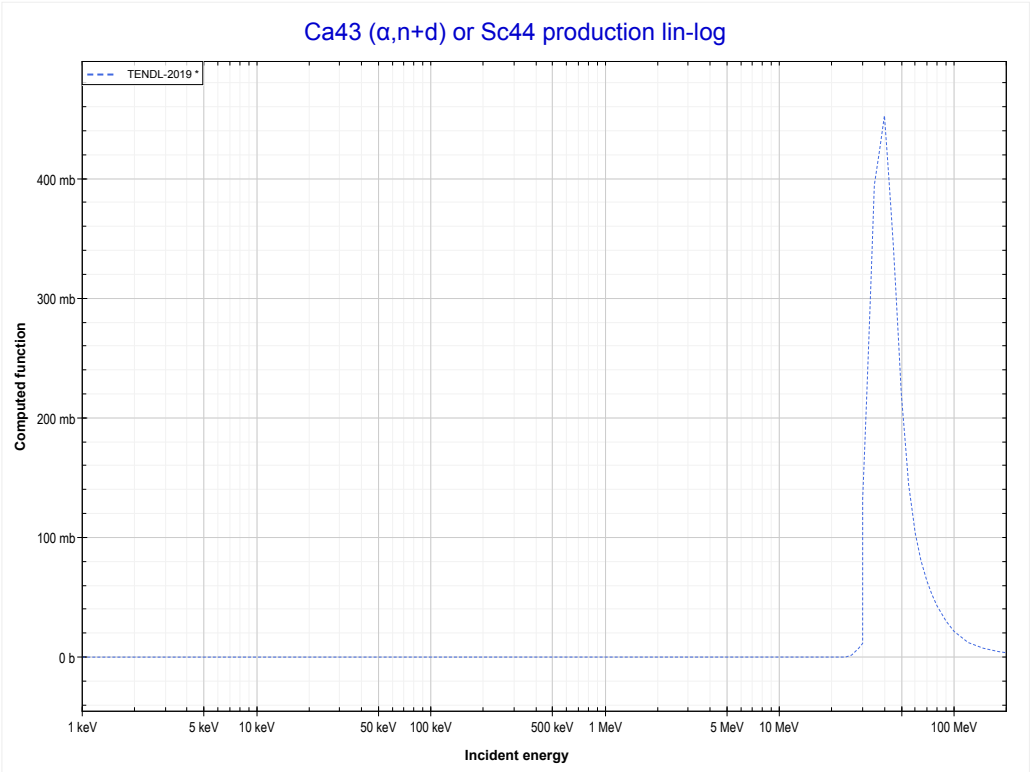
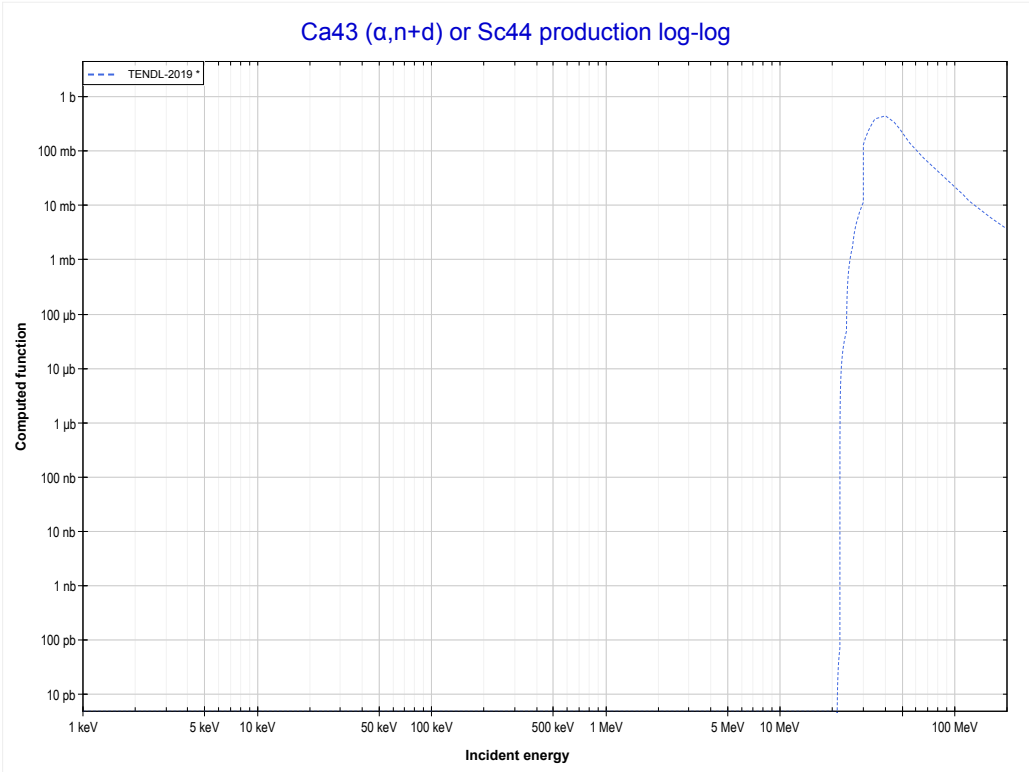
Reaction	Q-Value
Ca42(α,d)Sc44	-11442.05 keV
Ca42(α,n+p)Sc44	-13666.61 keV

<< 6-C-12	20-Ca-42	20-Ca-43 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Sc43 production)	20-Ca-43 MT32 (α,n+d) >>



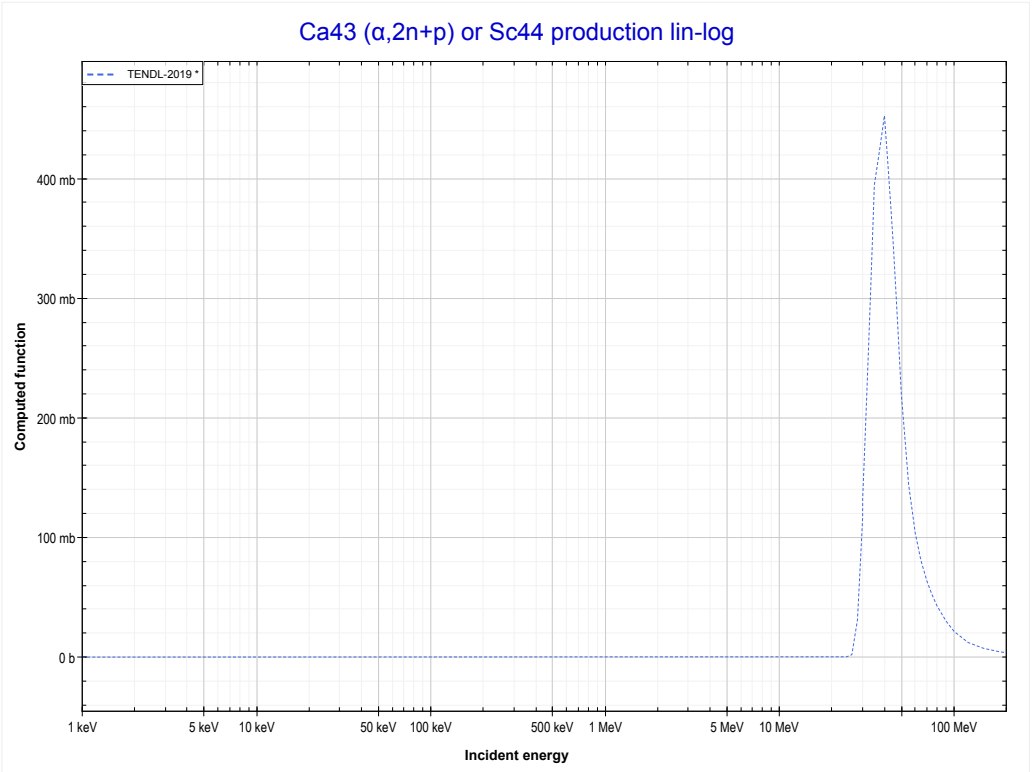
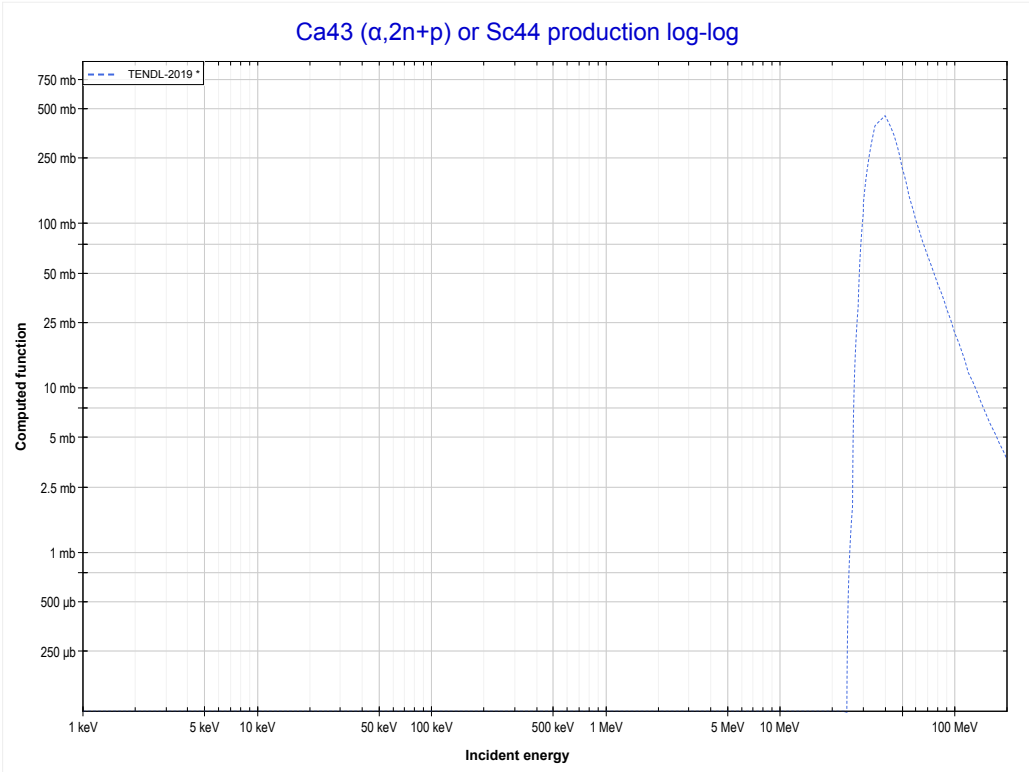
Reaction	Q-Value
Ca42(α,t)Sc43	-14884.03 keV
Ca42(α,n+d)Sc43	-21141.26 keV
Ca42(α,2n+p)Sc43	-23365.83 keV

<< 20-Ca-42	20-Ca-43	22-Ti-47 >>
<< 20-Ca-42 MT105 (α,t)	MT32 (α,n+d) or MT5 (Sc44 production)	MT41 (α,2n+p) >>



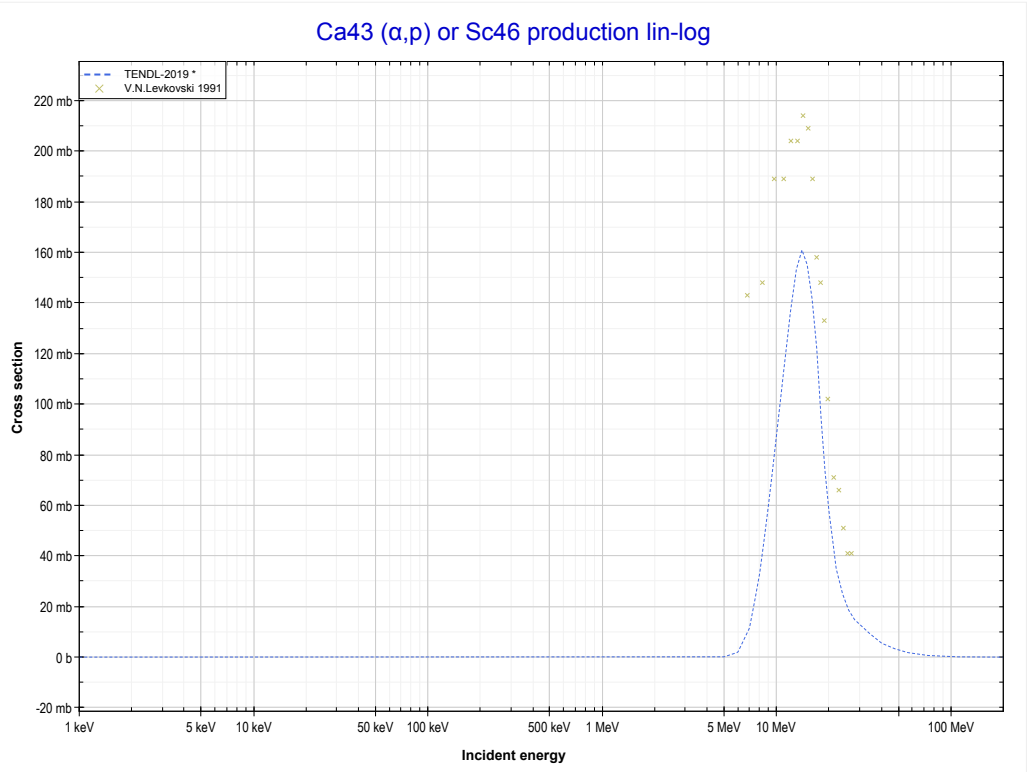
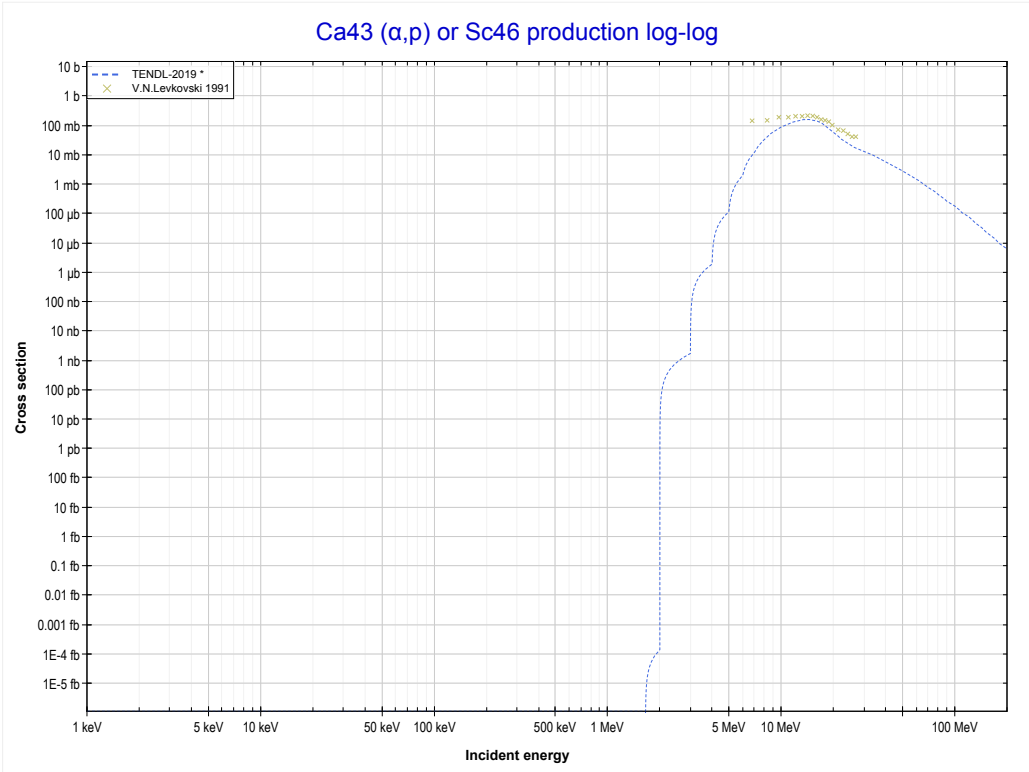
Reaction	Q-Value
Ca43(α,t)Sc44	-13117.71 keV
Ca43(α,n+d)Sc44	-19374.94 keV
Ca43(α,2n+p)Sc44	-21599.51 keV

<< 20-Ca-42	20-Ca-43	20-Ca-48 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Sc44 production)	MT103 (α,p) >>



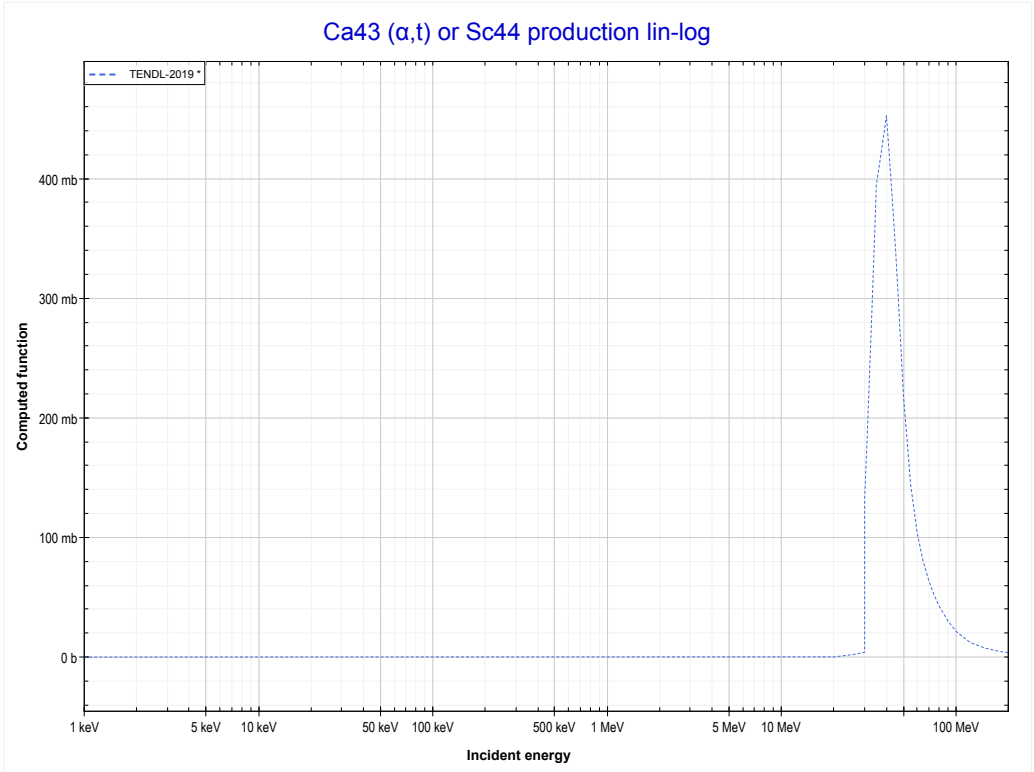
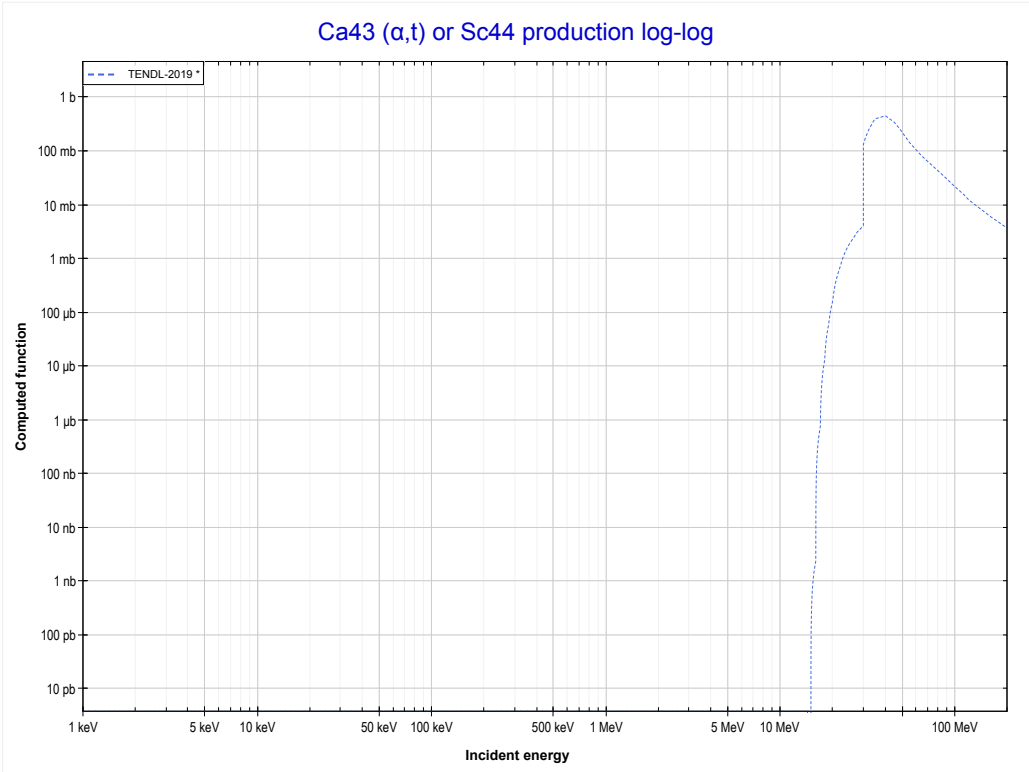
Reaction	Q-Value
Ca43(α,t)Sc44	-13117.71 keV
Ca43(α,n+d)Sc44	-19374.94 keV
Ca43(α,2n+p)Sc44	-21599.51 keV

<< 20-Ca-40	20-Ca-43	20-Ca-44 >>
<< MT41 (α ,2n+p)	MT103 (α ,p) or MT5 (Sc46 production)	MT105 (α ,t) >>



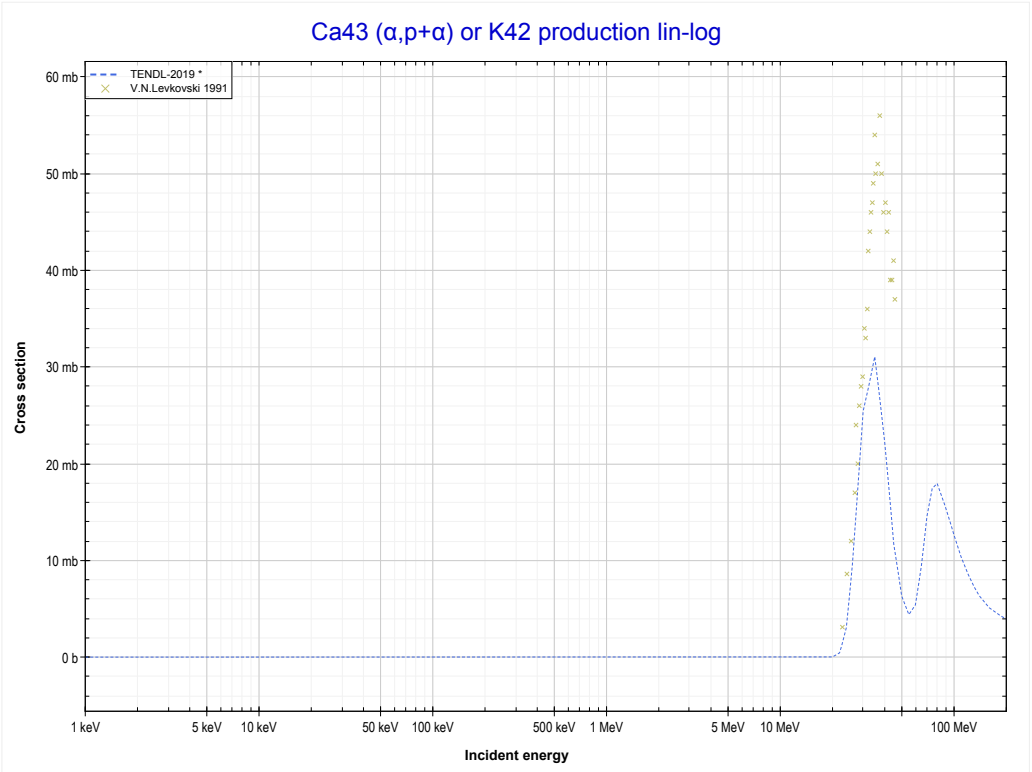
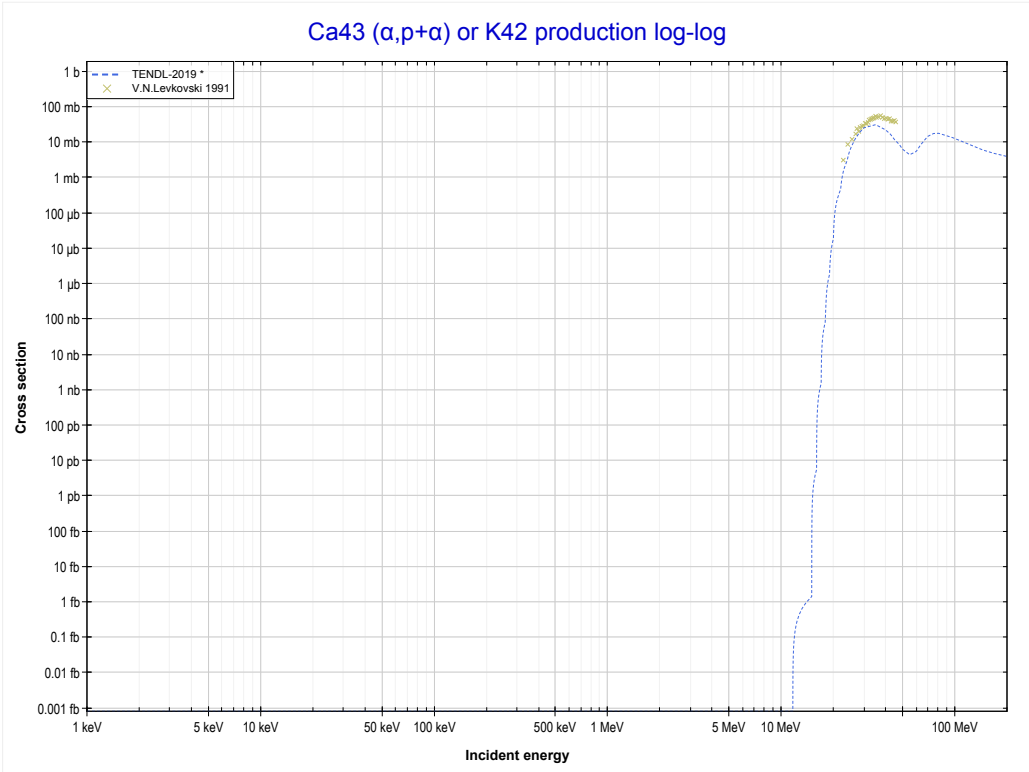
Reaction	Q-Value
Ca43(α ,p)Sc46	-1511.68 keV

<< 20-Ca-42	20-Ca-43	22-Ti-47 >>
<< MT103 (α,p)	MT105 (α,t) or MT5 (Sc44 production)	MT112 (α,p+α) >>



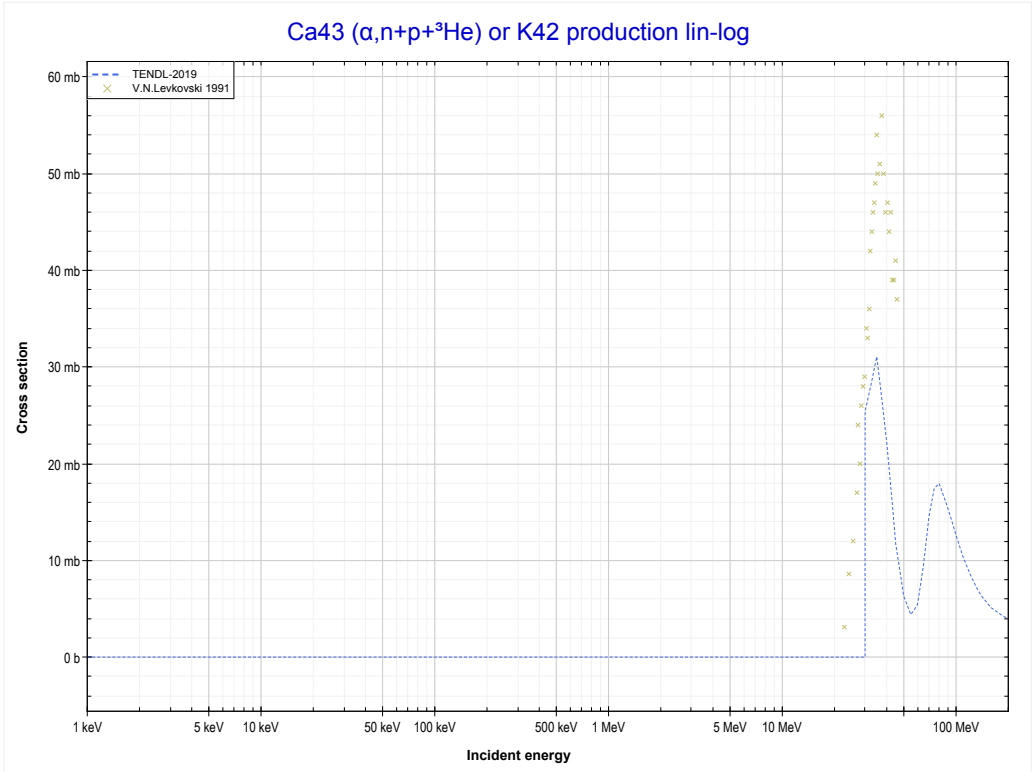
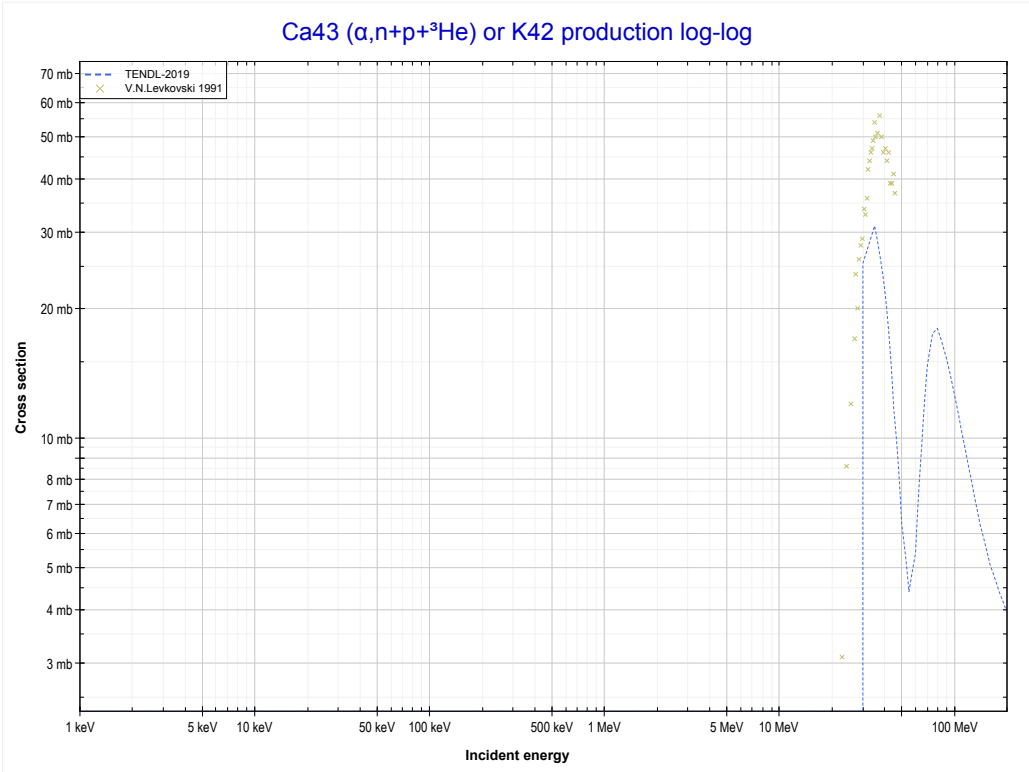
Reaction	Q-Value
Ca43(α,t)Sc44	-13117.71 keV
Ca43(α,n+d)Sc44	-19374.94 keV
Ca43(α,2n+p)Sc44	-21599.51 keV

<< 14-Si-30	20-Ca-43	20-Ca-44 >>
<< MT105 (α,t)	MT112 (α,p+α) or MT5 (K42 production)	MT186 (α,n+p+ ³ He) >>



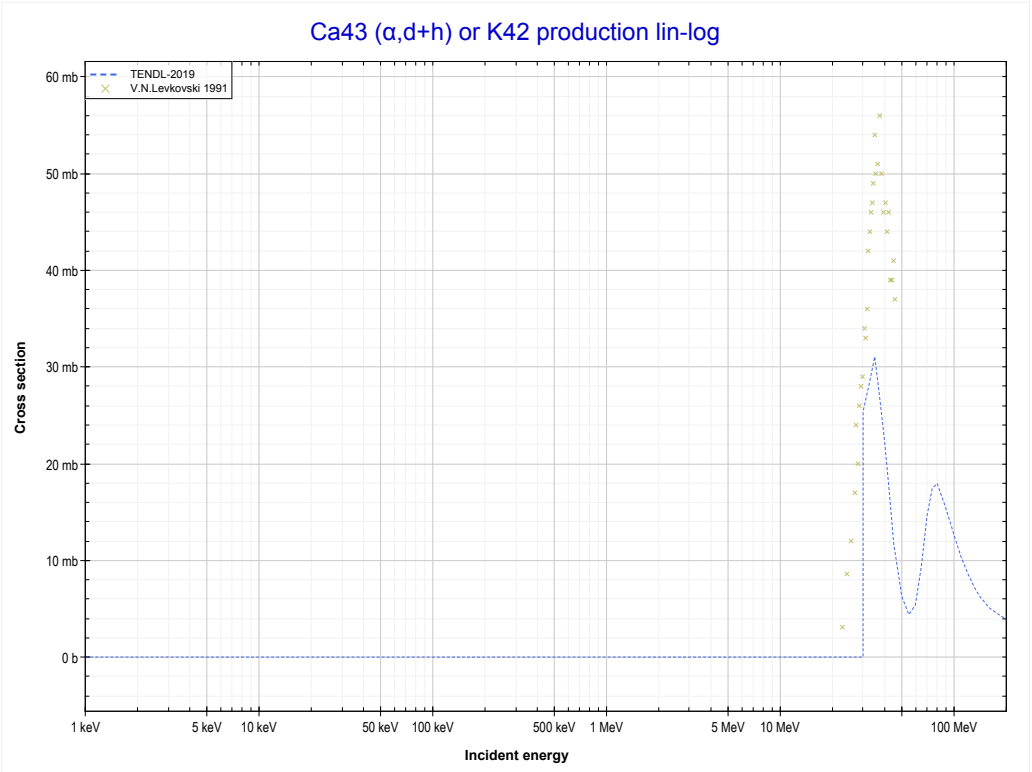
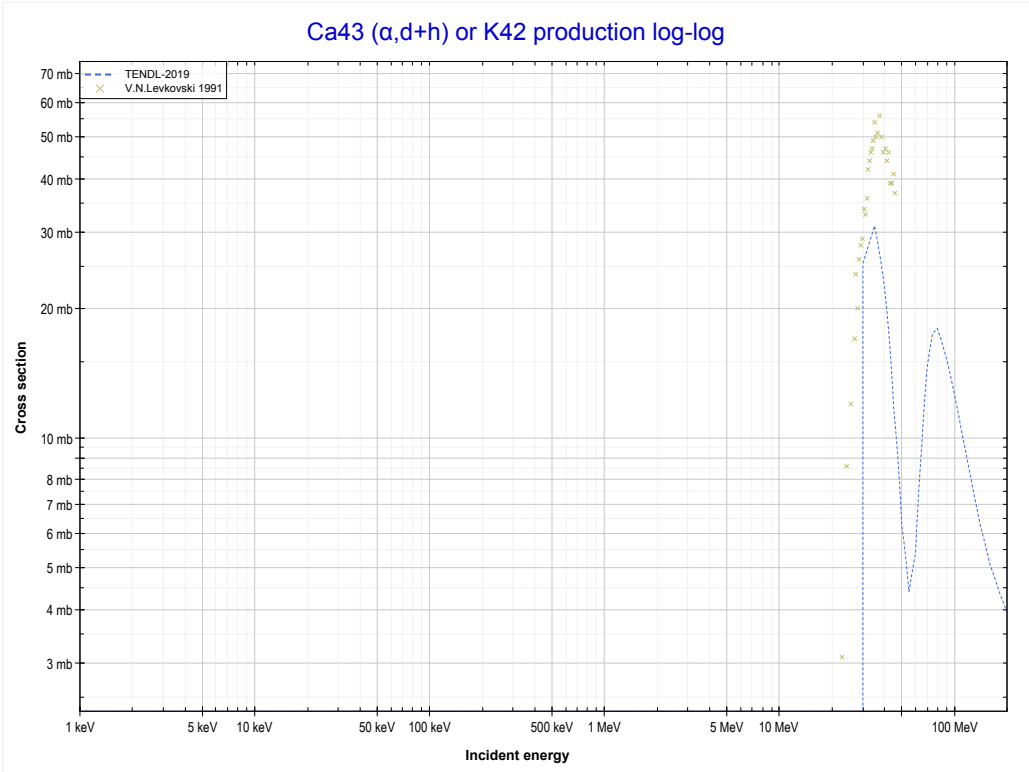
Reaction	Q-Value
Ca43(α,p+α)K42	-10675.76 keV
Ca43(α,d+He3)K42	-29028.81 keV
Ca43(α,2p+t)K42	-30489.63 keV
Ca43(α,n+p+He3)K42	-31253.38 keV
Ca43(α,p+2d)K42	-34522.29 keV
Ca43(α,n+2p+d)K42	-36746.85 keV
Ca43(α,2n+3p)K42	-38971.42 keV

<< 14-Si-30	20-Ca-43	20-Ca-44 >>
<< MT112 (α,p+α)	MT186 (α,n+p+ ³ He) or MT5 (K42 production)	MT192 (α,d+ ³ He) >>



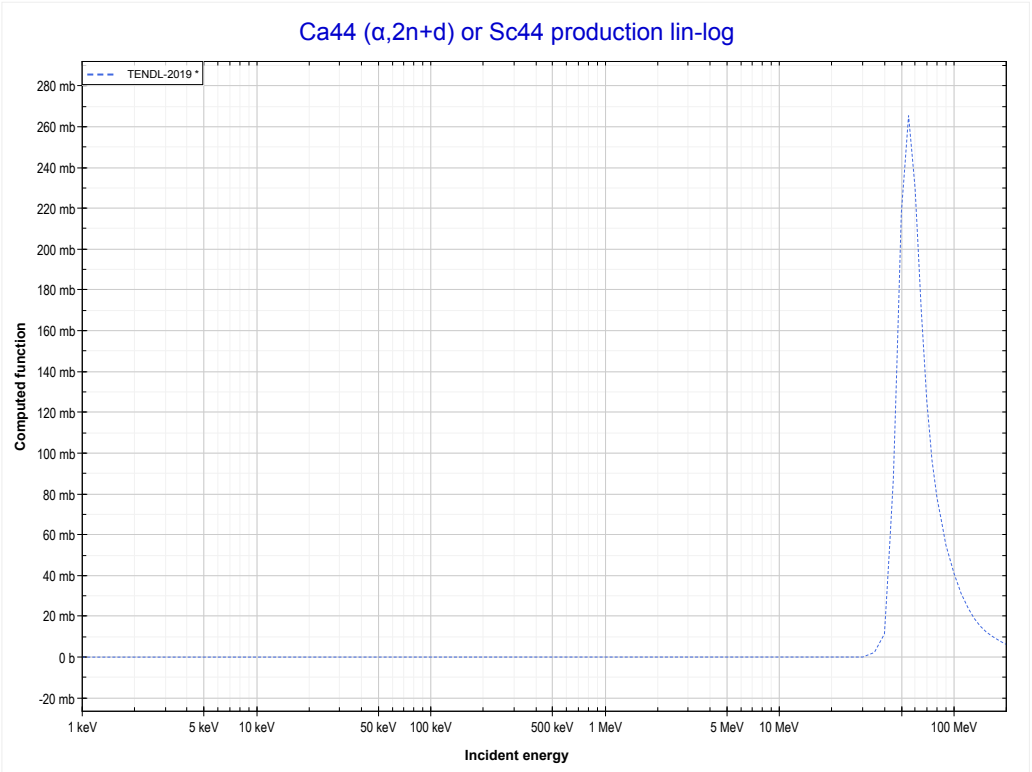
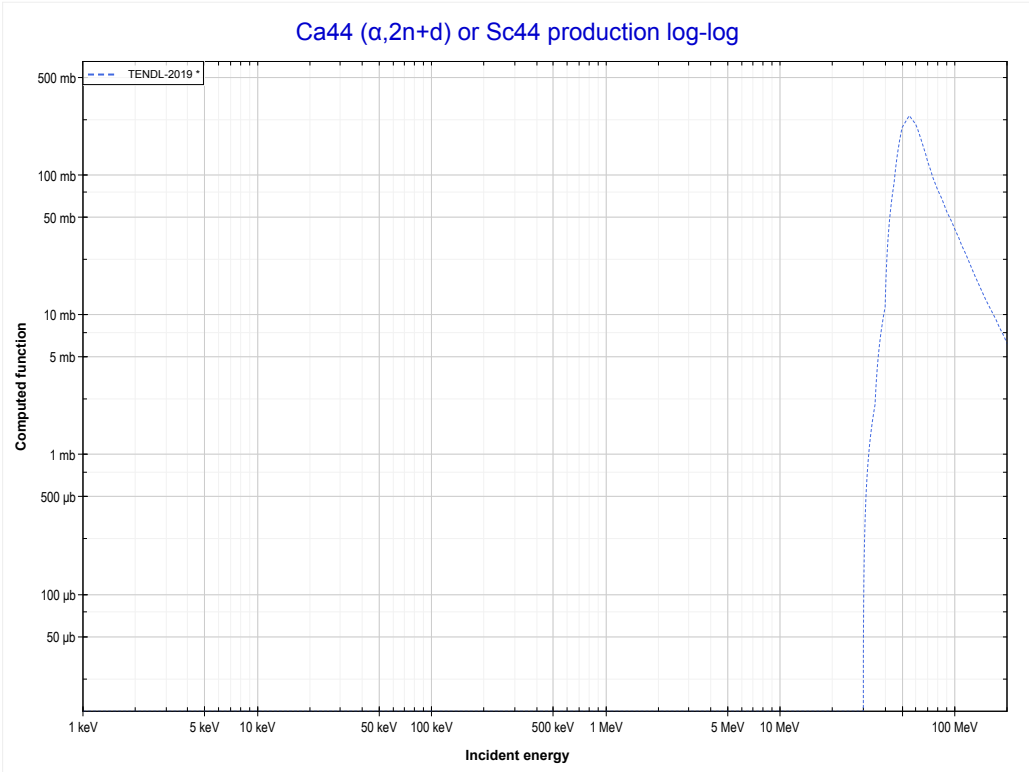
Reaction	Q-Value
Ca43(α,p+α)K42	-10675.76 keV
Ca43(α,d+He3)K42	-29028.81 keV
Ca43(α,2p+t)K42	-30489.63 keV
Ca43(α,n+p+He3)K42	-31253.38 keV
Ca43(α,p+2d)K42	-34522.29 keV
Ca43(α,n+2p+d)K42	-36746.85 keV
Ca43(α,2n+3p)K42	-38971.42 keV

<< 14-Si-30	20-Ca-43	20-Ca-44 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT192 ($\alpha,d+^3\text{He}$) or MT5 (K42 production)	20-Ca-44 MT11 ($\alpha,2n+d$) >>



Reaction	Q-Value
Ca43($\alpha,p+\alpha$)K42	-10675.76 keV
Ca43($\alpha,d+^3\text{He}$)K42	-29028.81 keV
Ca43($\alpha,2p+t$)K42	-30489.63 keV
Ca43($\alpha,n+p+^3\text{He}$)K42	-31253.38 keV
Ca43($\alpha,p+2d$)K42	-34522.29 keV
Ca43($\alpha,n+2p+d$)K42	-36746.85 keV
Ca43($\alpha,2n+3p$)K42	-38971.42 keV

<< 6-C-12	20-Ca-44	22-Ti-48 >>
<< 20-Ca-43 MT192 (α ,d+ ^3He)	MT11 (α ,2n+d) or MT5 (Sc44 production)	MT28 (α ,n+p) >>



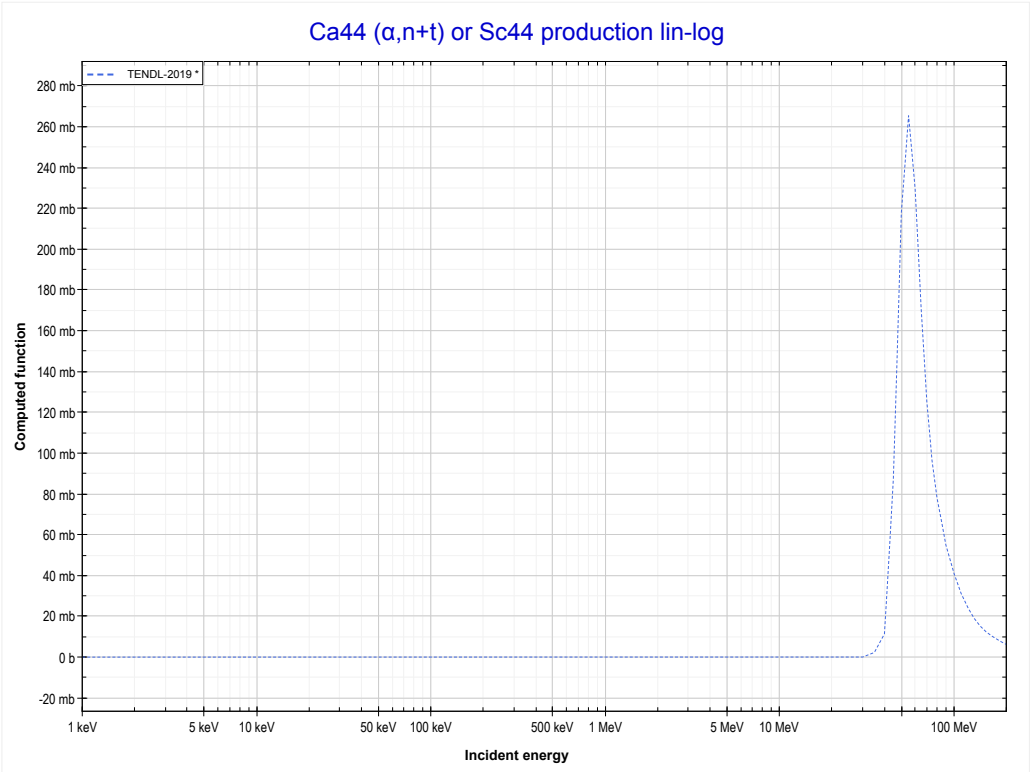
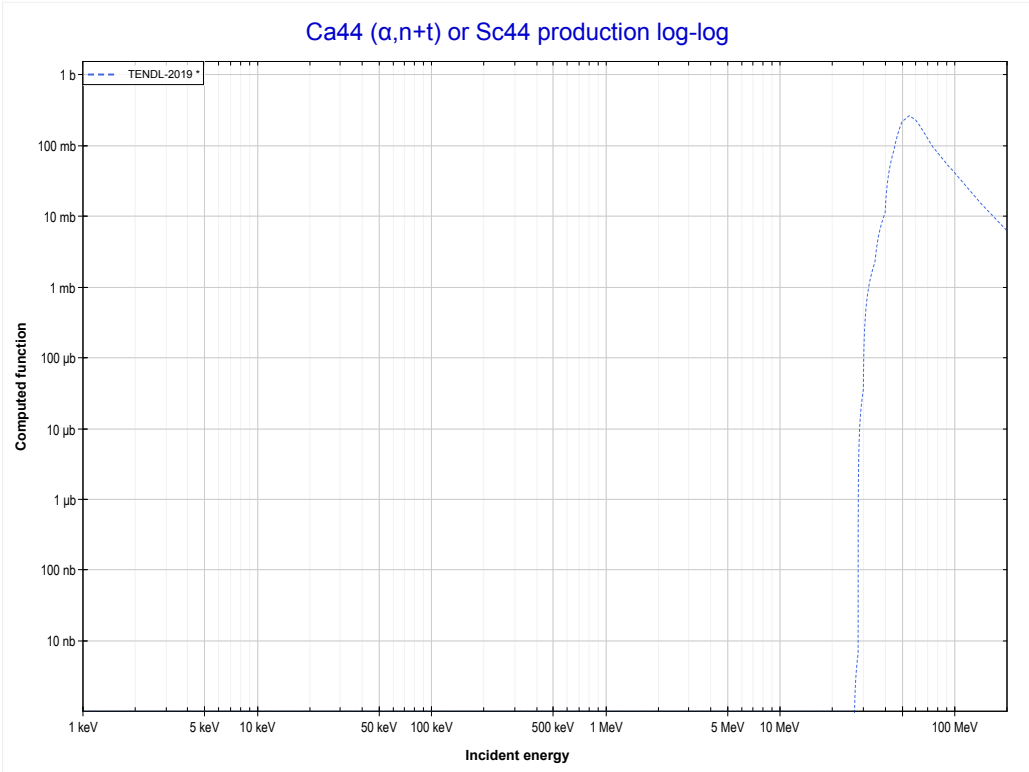
Reaction	Q-Value
Ca44(α ,n+t)Sc44	-24248.91 keV
Ca44(α ,2n+d)Sc44	-30506.14 keV
Ca44(α ,3n+p)Sc44	-32730.71 keV

<< 20-Ca-42	20-Ca-44	22-Ti-46 >>
<< MT11 ($\alpha,2n+d$)	MT28 ($\alpha,n+p$) or MT5 (Sc46 production)	MT33 ($\alpha,n+t$) >>



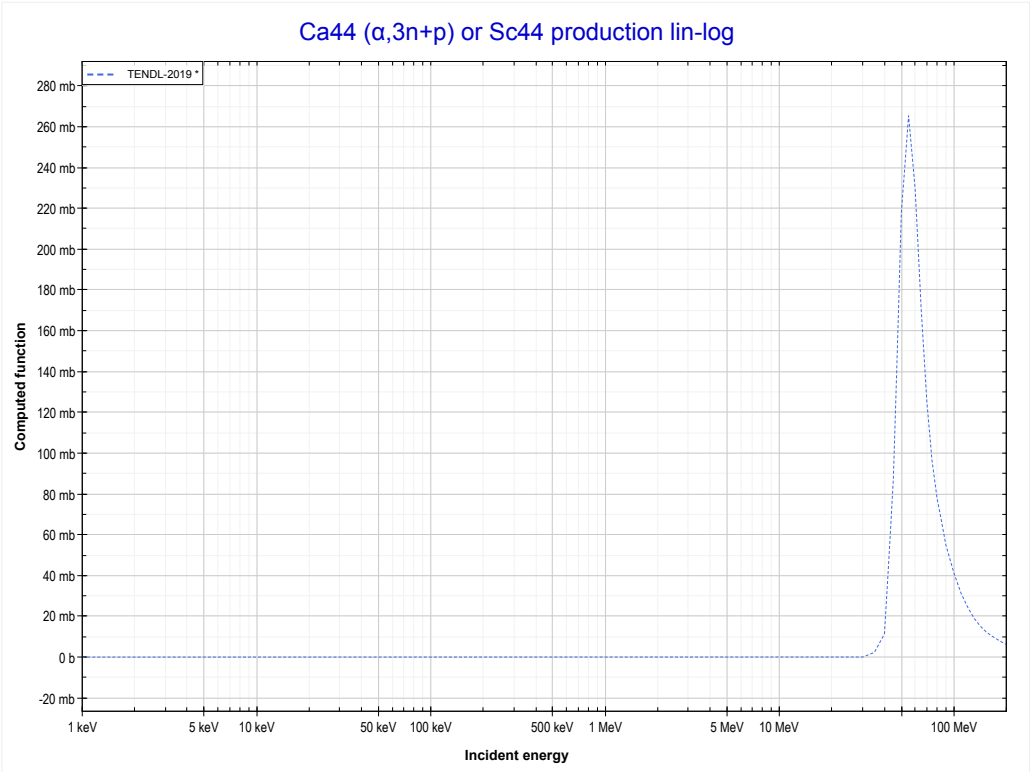
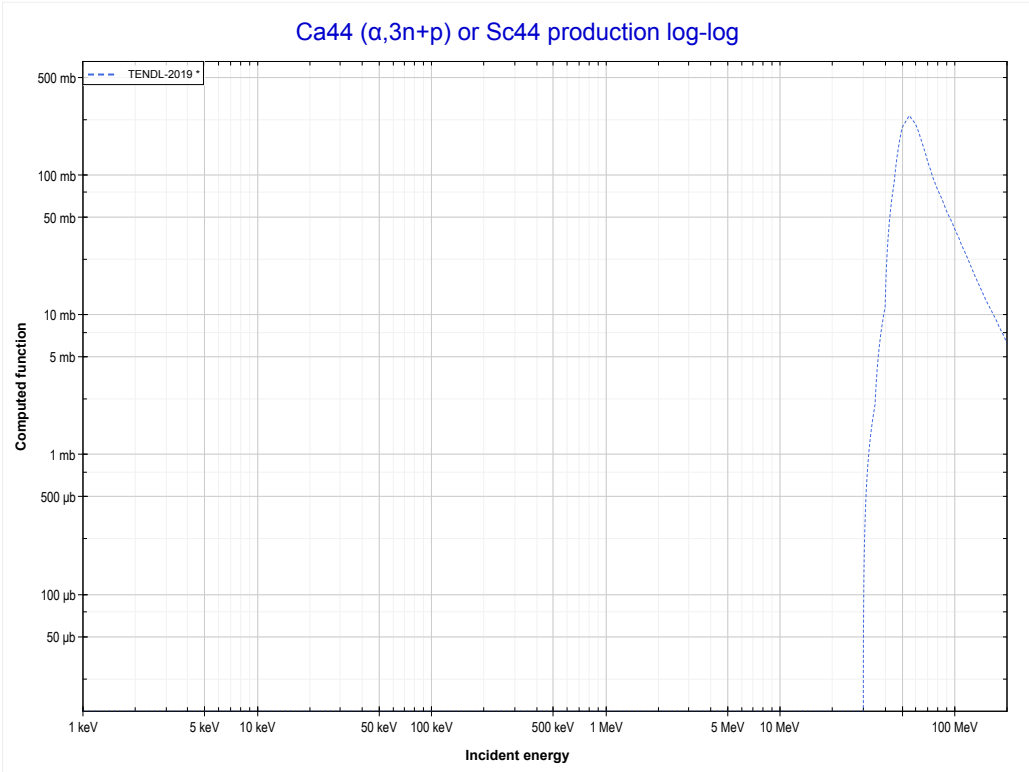
Reaction	Q-Value
Ca44(α,d)Sc46	-10418.31 keV
Ca44($\alpha,n+p$)Sc46	-12642.87 keV

<< 6-C-12	20-Ca-44	22-Ti-48 >>
<< MT28 (α,n+p)	MT33 (α,n+t) or MT5 (Sc44 production)	MT42 (α,3n+p) >>



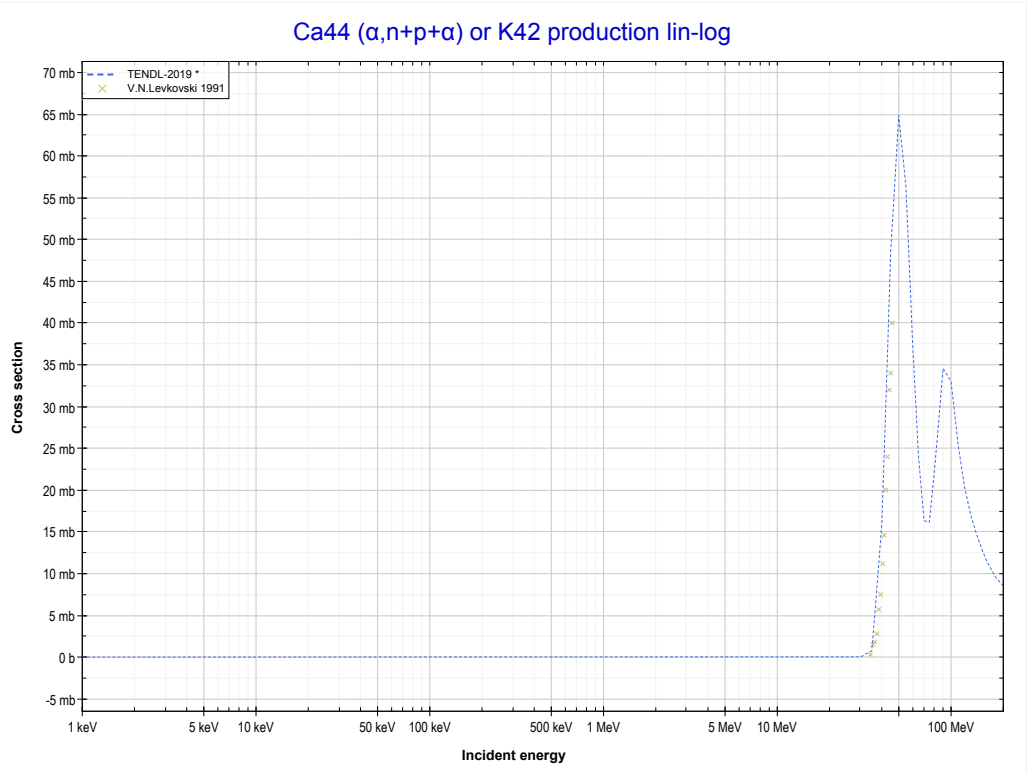
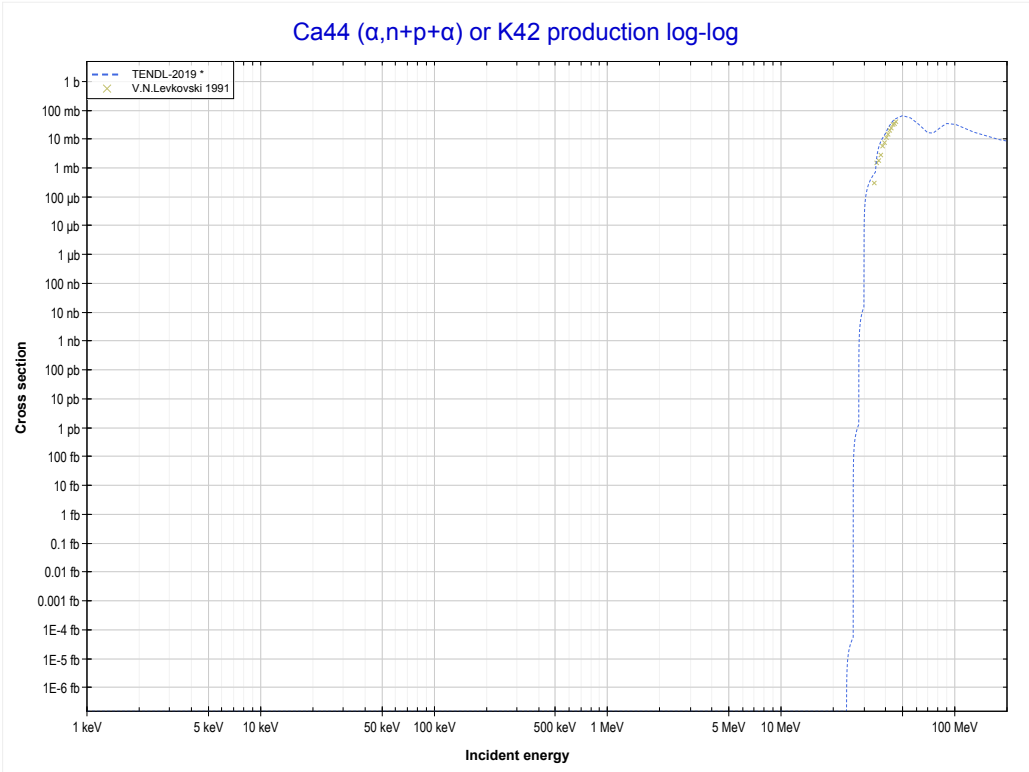
Reaction	Q-Value
Ca44(α,n+t)Sc44	-24248.91 keV
Ca44(α,2n+d)Sc44	-30506.14 keV
Ca44(α,3n+p)Sc44	-32730.71 keV

<< 6-C-12	20-Ca-44	20-Ca-48 >>
<< MT33 (α ,n+t)	MT42 (α ,3n+p) or MT5 (Sc44 production)	MT45 (α ,n+p+ α) >>



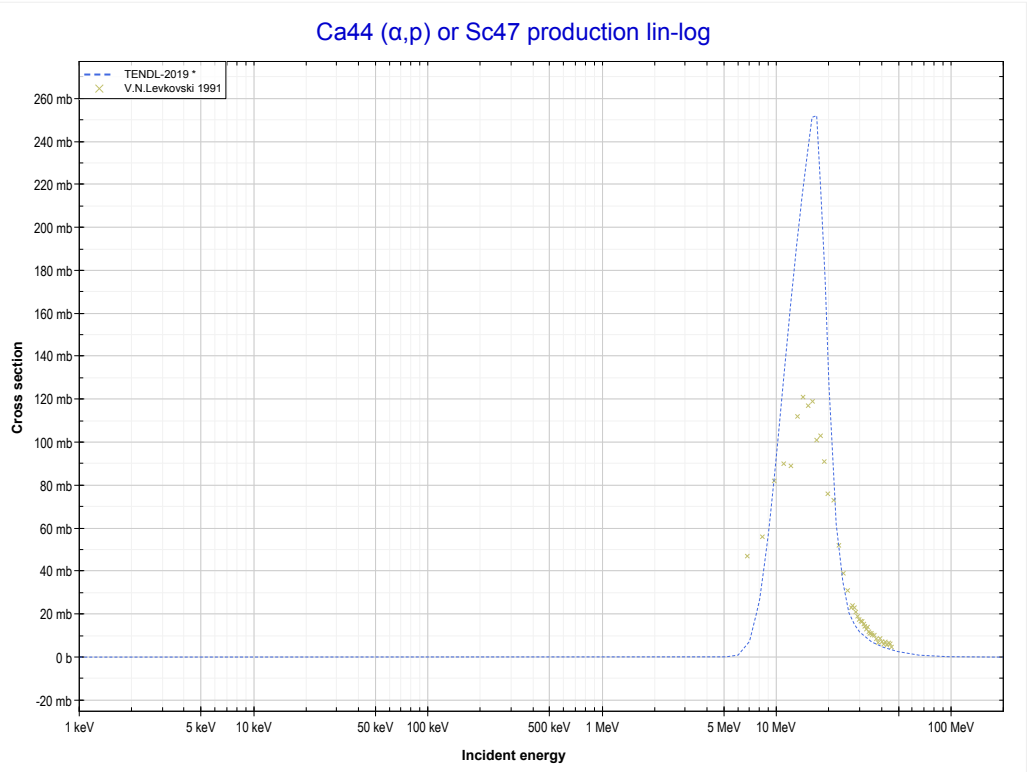
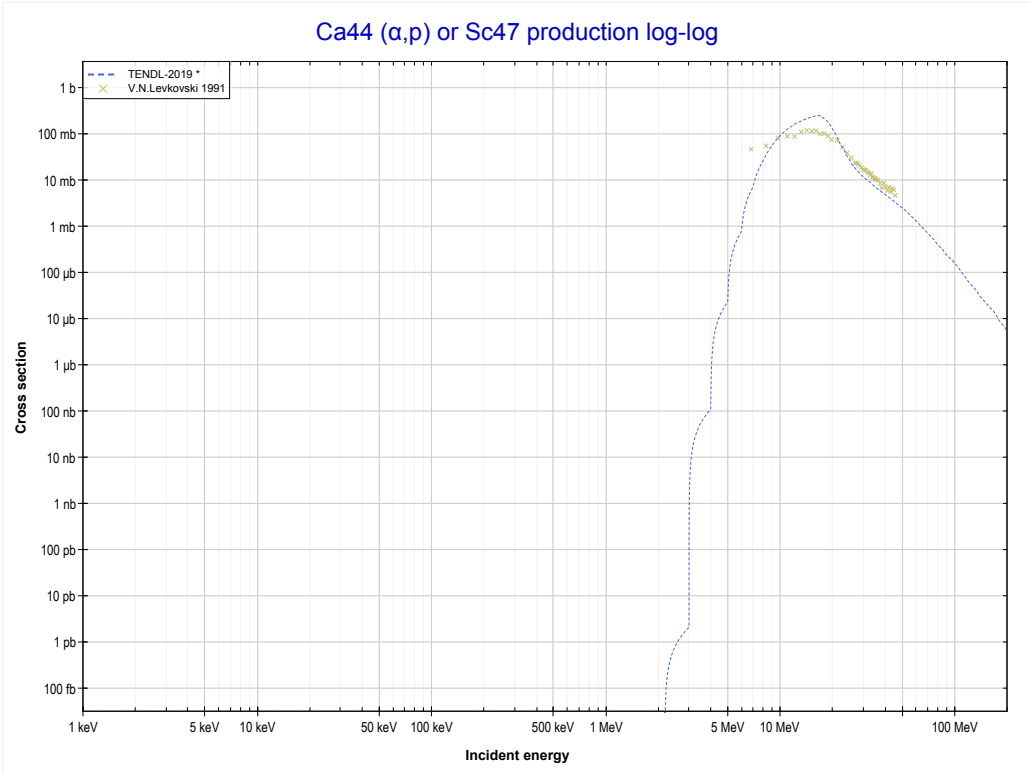
Reaction	Q-Value
Ca44(α ,n+t)Sc44	-24248.91 keV
Ca44(α ,2n+d)Sc44	-30506.14 keV
Ca44(α ,3n+p)Sc44	-32730.71 keV

<< 7-N-14	20-Ca-44	22-Ti-46 >>
<< MT42 (α,3n+p)	MT45 (α,n+p+α) or MT5 (K42 production)	MT103 (α,p) >>



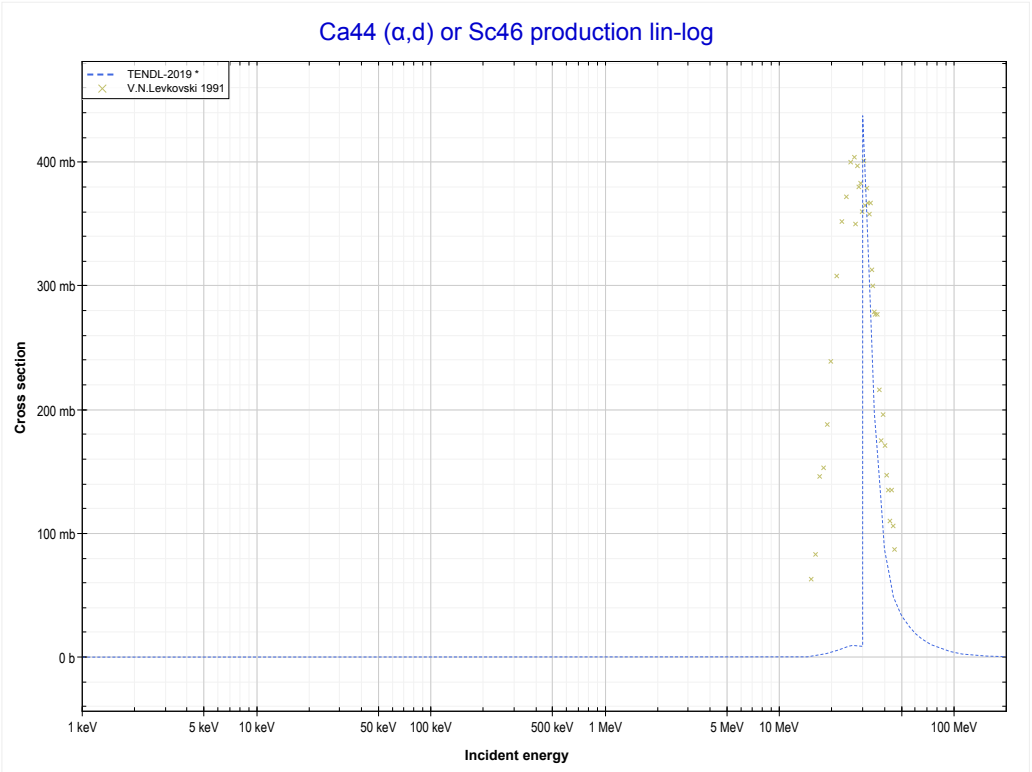
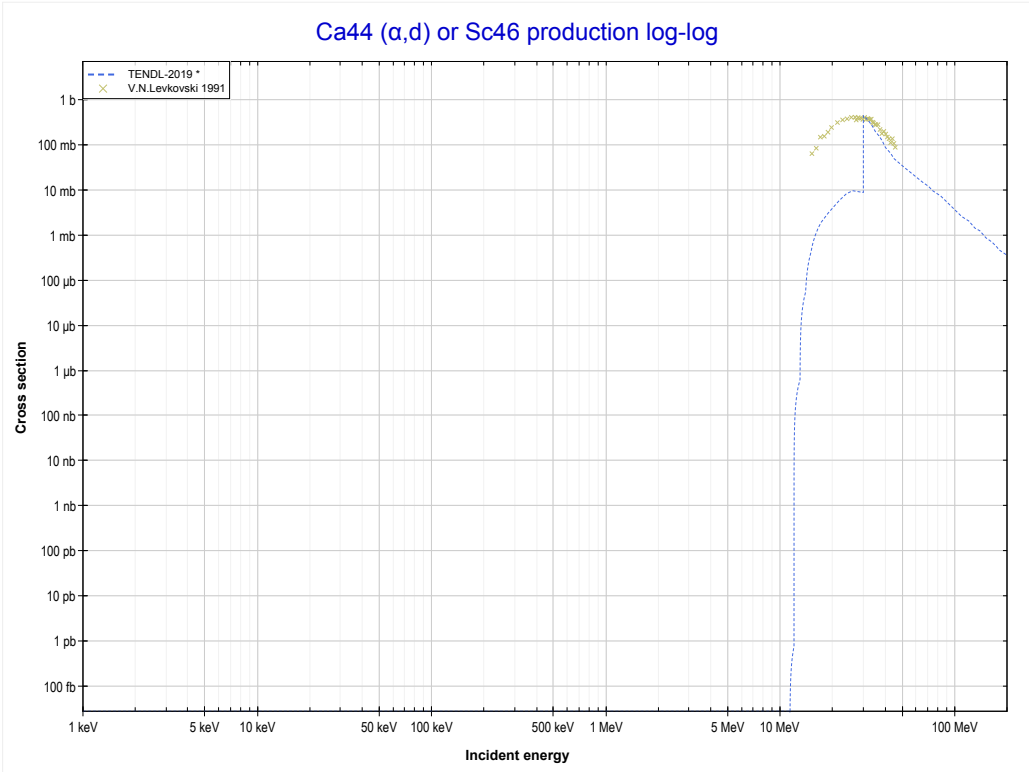
Reaction	Q-Value	Reaction	Q-Value
Ca44(α,d+α)K42	-19582.39 keV	Ca44(α,n+p+2d)K42	-45653.49 keV
Ca44(α,n+p+α)K42	-21806.96 keV	Ca44(α,2n+2p+d)K42	-47878.05 keV
Ca44(α,t+He3)K42	-33902.78 keV	Ca44(α,3n+3p)K42	-50102.62 keV
Ca44(α,p+d+t)K42	-39396.26 keV		
Ca44(α,n+d+He3)K42	-40160.01 keV		
Ca44(α,n+2p+t)K42	-41620.82 keV		
Ca44(α,2n+p+He3)K42	-42384.58 keV		
Ca44(α,3d)K42	-43428.92 keV		

<< 20-Ca-43	20-Ca-44	24-Cr-53 >>
<< MT45 (α ,n+p+ α)	MT103 (α ,p) or MT5 (Sc47 production)	MT104 (α ,d) >>



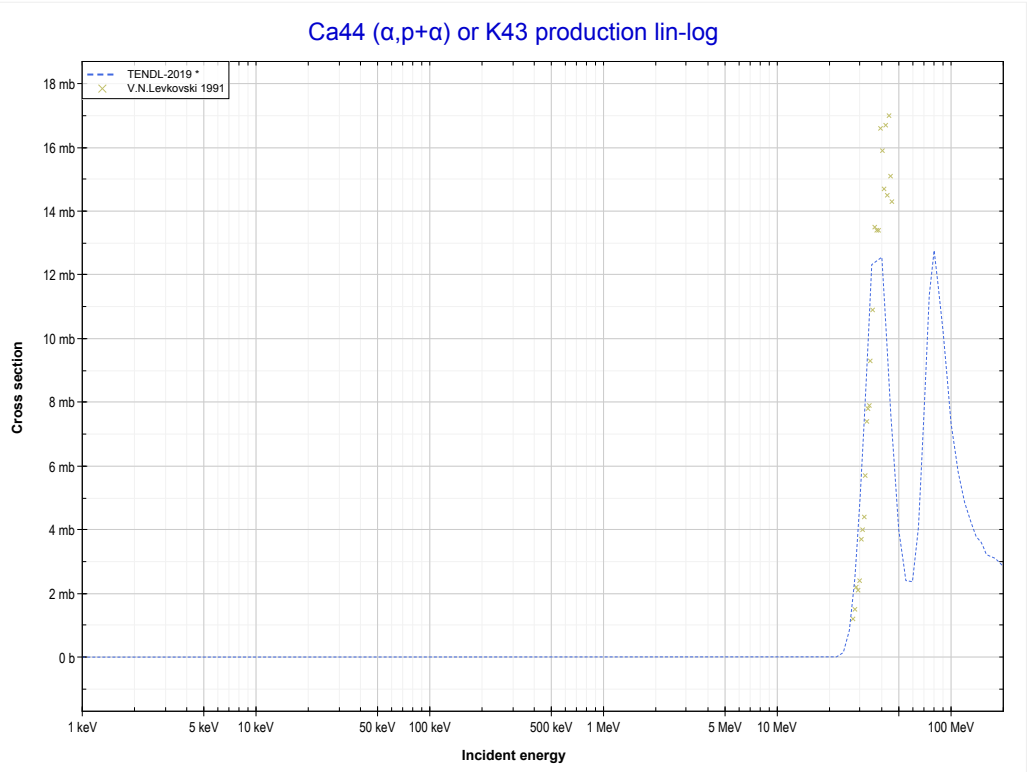
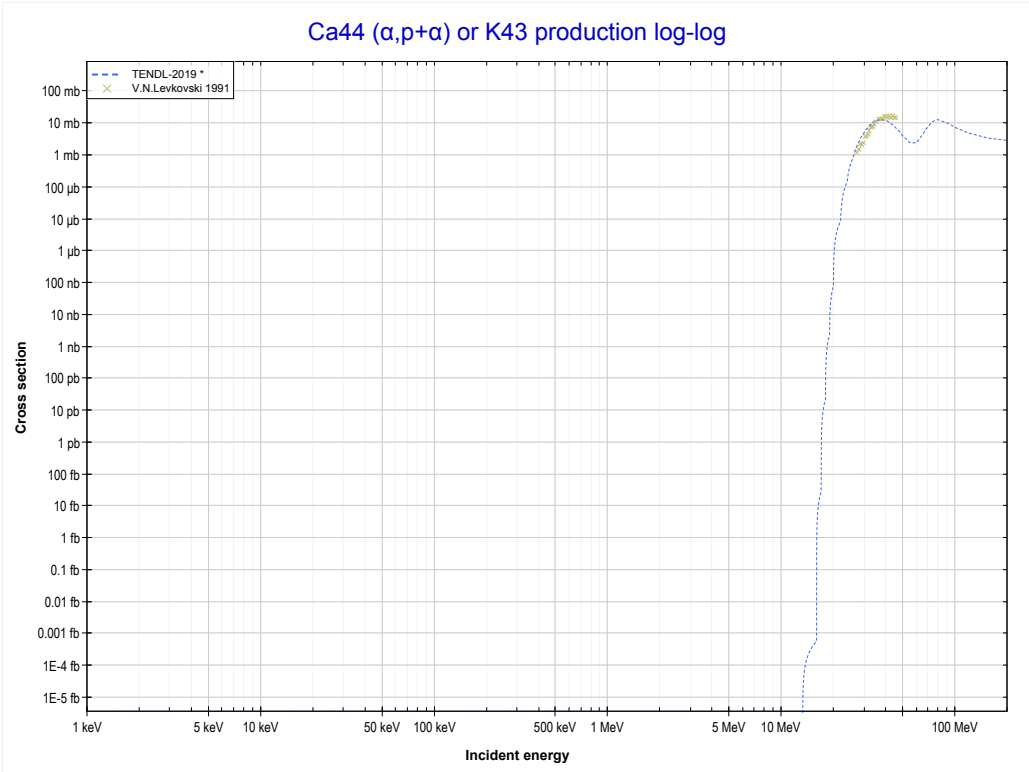
Reaction	Q-Value
Ca44(α ,p)Sc47	-1996.16 keV

<< 20-Ca-42	20-Ca-44	22-Ti-46 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Sc46 production)	MT112 (α,p+α) >>



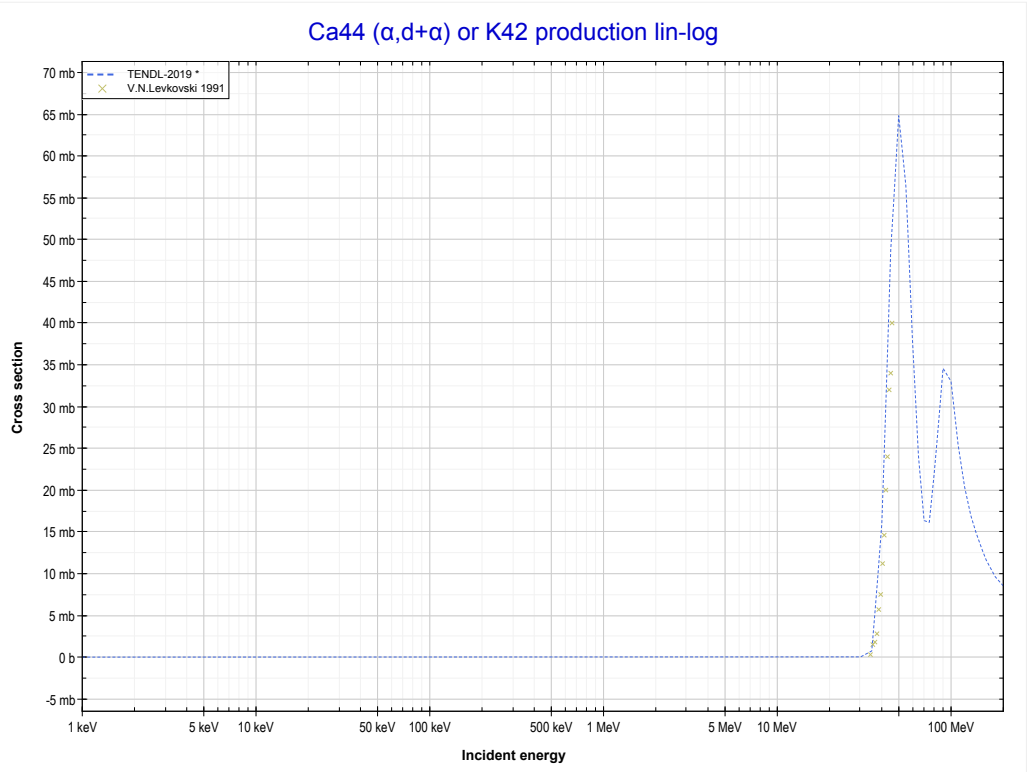
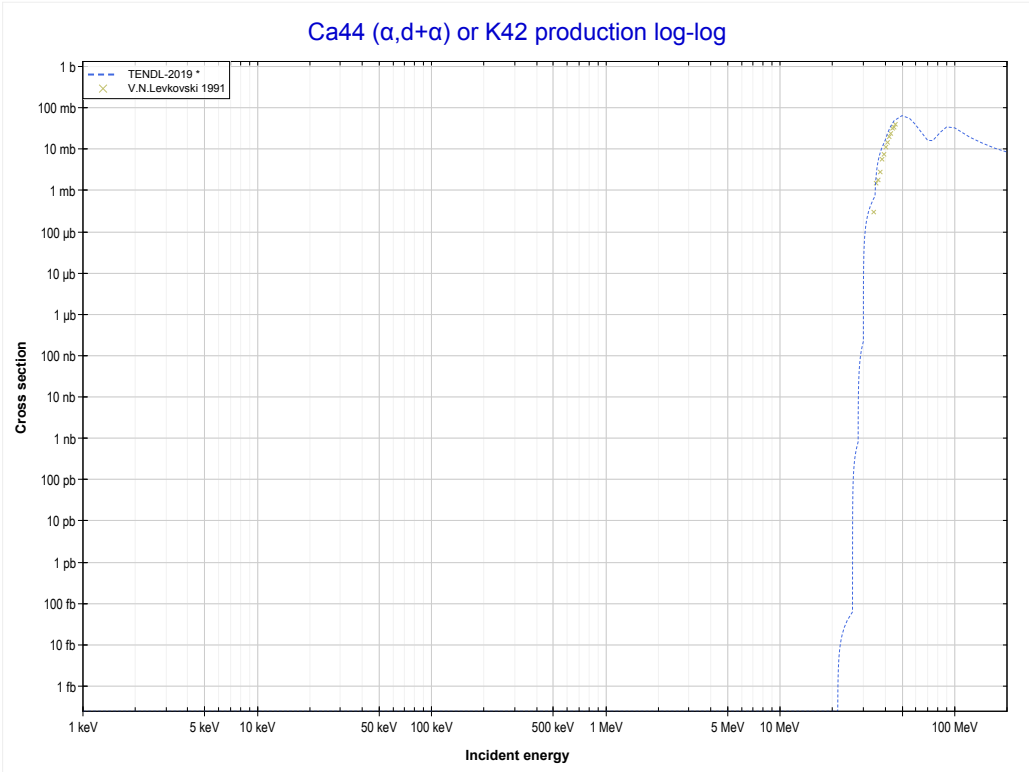
Reaction	Q-Value
Ca44(α,d)Sc46	-10418.31 keV
Ca44(α,n+p)Sc46	-12642.87 keV

<< 20-Ca-43	20-Ca-44	22-Ti-47 >>
<< MT104 (α,d)	MT112 (α,p+α) or MT5 (K43 production)	MT117 (α,d+α) >>



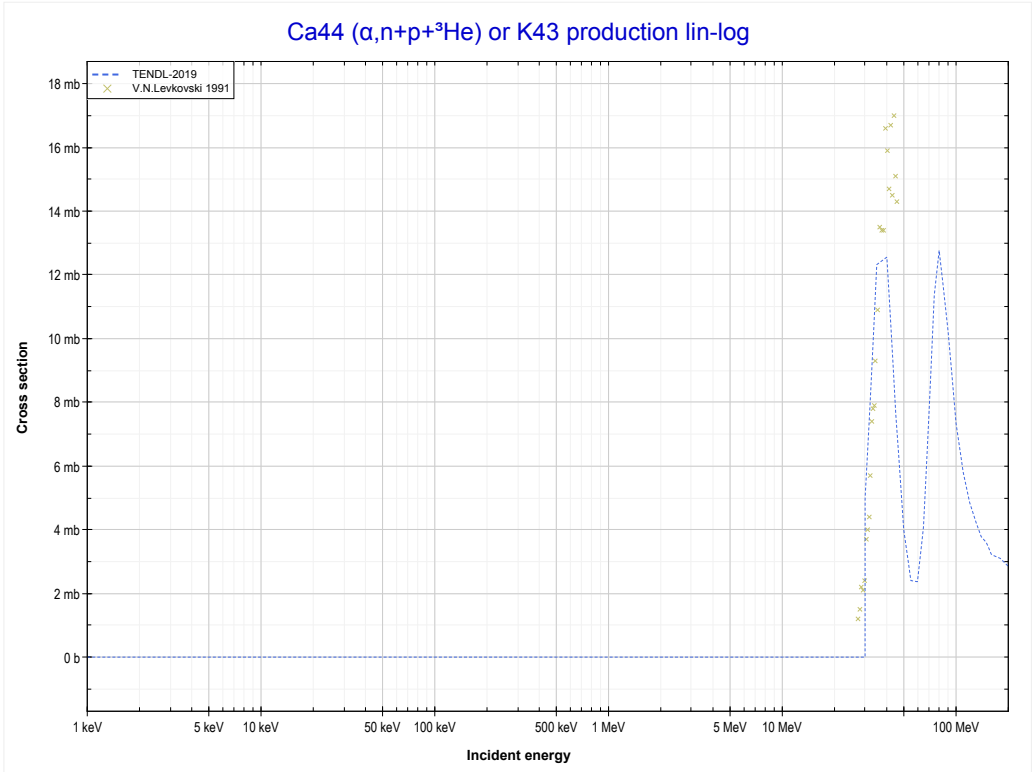
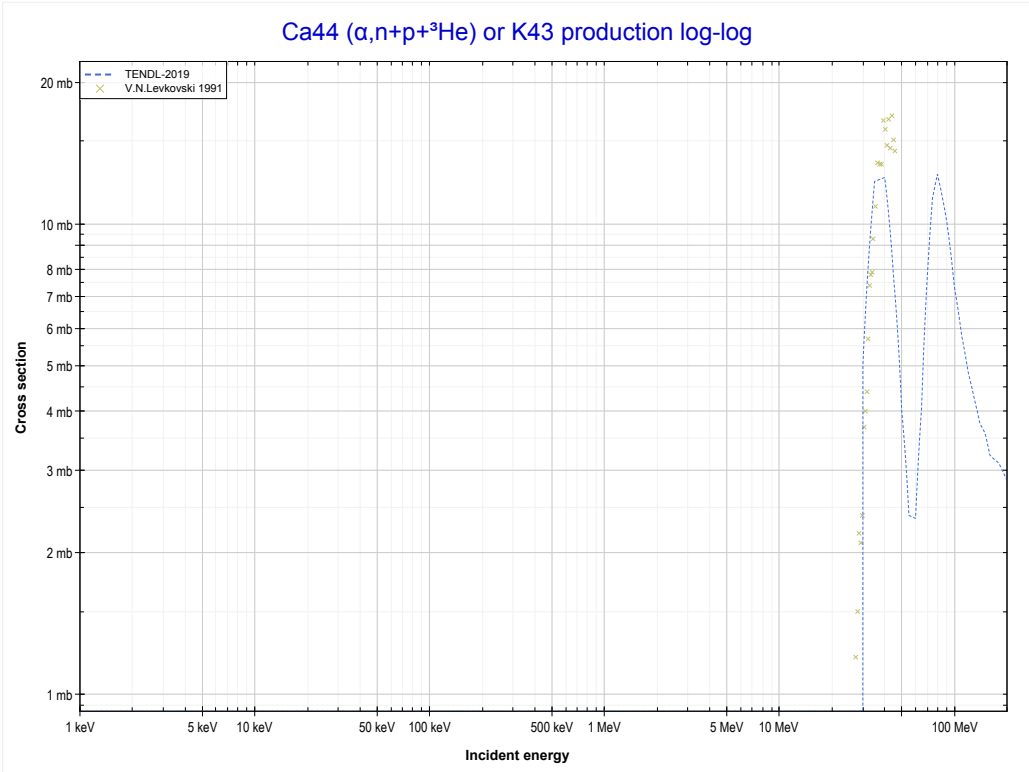
Reaction	Q-Value
Ca44(α,p+α)K43	-12182.27 keV
Ca44(α,d+He3)K43	-30535.32 keV
Ca44(α,2p+t)K43	-31996.14 keV
Ca44(α,n+p+He3)K43	-32759.89 keV
Ca44(α,p+2d)K43	-36028.80 keV
Ca44(α,n+2p+d)K43	-38253.36 keV
Ca44(α,2n+3p)K43	-40477.93 keV

<< 7-N-14	20-Ca-44	22-Ti-46 >>
<< MT112 (α,p+α)	MT117 (α,d+α) or MT5 (K42 production)	MT186 (α,n+p+ ³ He) >>



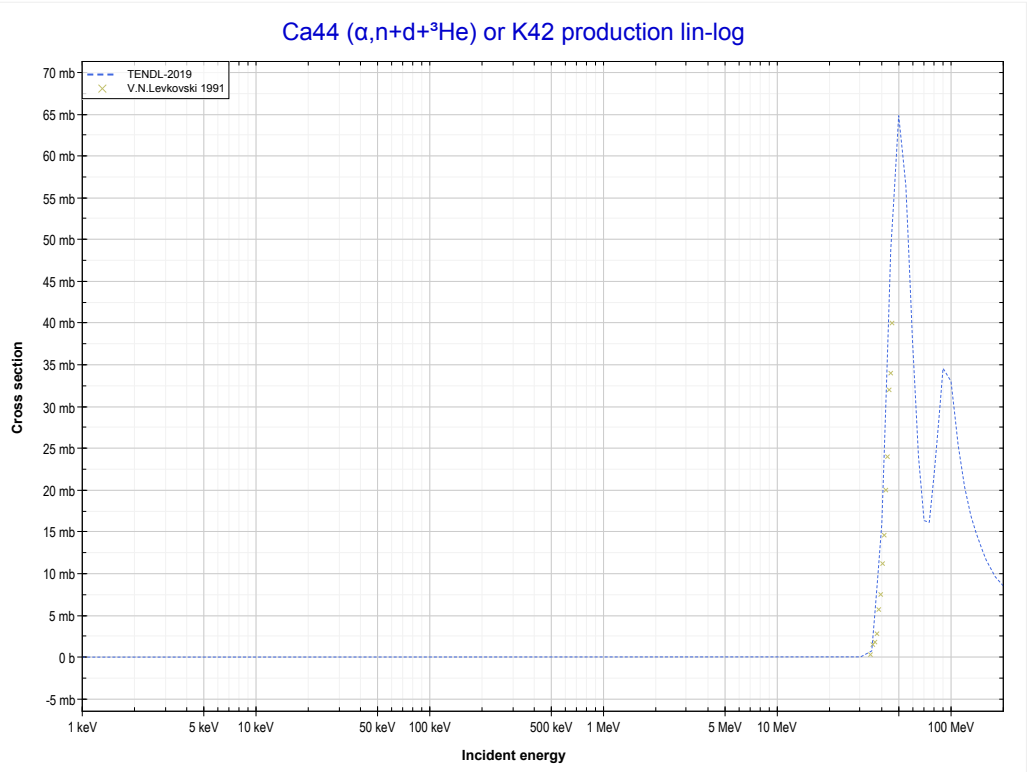
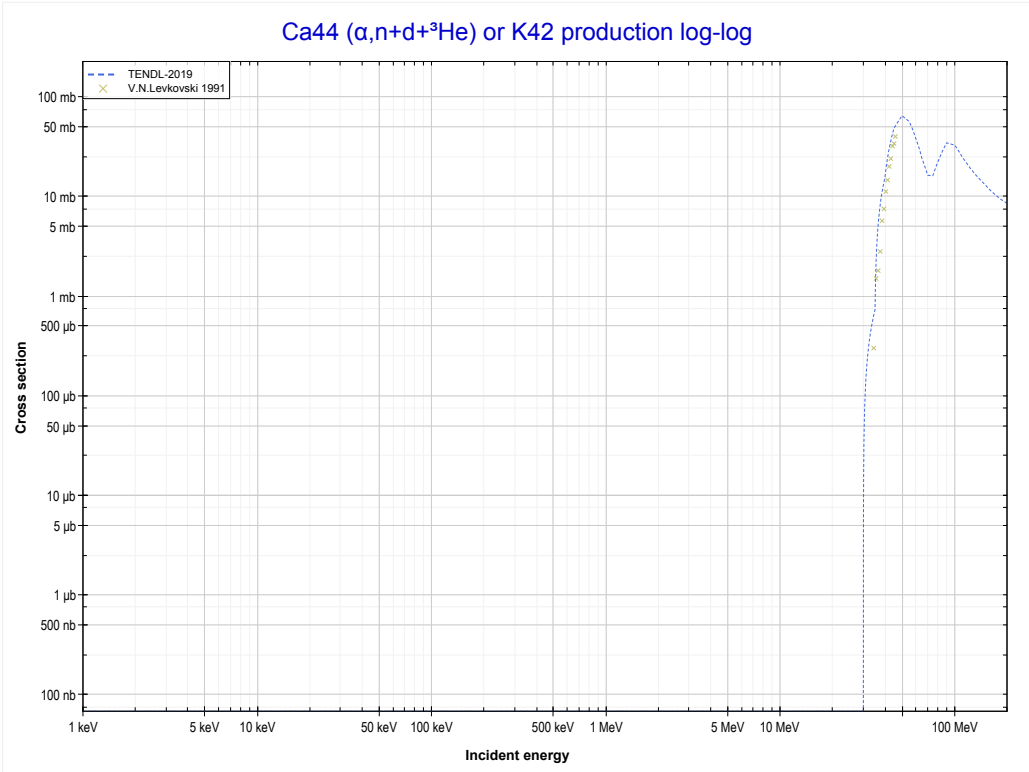
Reaction	Q-Value	Reaction	Q-Value
Ca44(α,d+α)K42	-19582.39 keV	Ca44(α,n+p+2d)K42	-45653.49 keV
Ca44(α,n+p+α)K42	-21806.96 keV	Ca44(α,2n+2p+d)K42	-47878.05 keV
Ca44(α,t+He3)K42	-33902.78 keV	Ca44(α,3n+3p)K42	-50102.62 keV
Ca44(α,p+d+t)K42	-39396.26 keV		
Ca44(α,n+d+He3)K42	-40160.01 keV		
Ca44(α,n+2p+t)K42	-41620.82 keV		
Ca44(α,2n+p+He3)K42	-42384.58 keV		
Ca44(α,3d)K42	-43428.92 keV		

<< 20-Ca-43	20-Ca-44	22-Ti-47 >>
<< MT117 ($\alpha, d + \alpha$)	MT186 ($\alpha, n + p + {}^3\text{He}$) or MT5 (K43 production)	MT187 ($\alpha, n + d + {}^3\text{He}$) >>



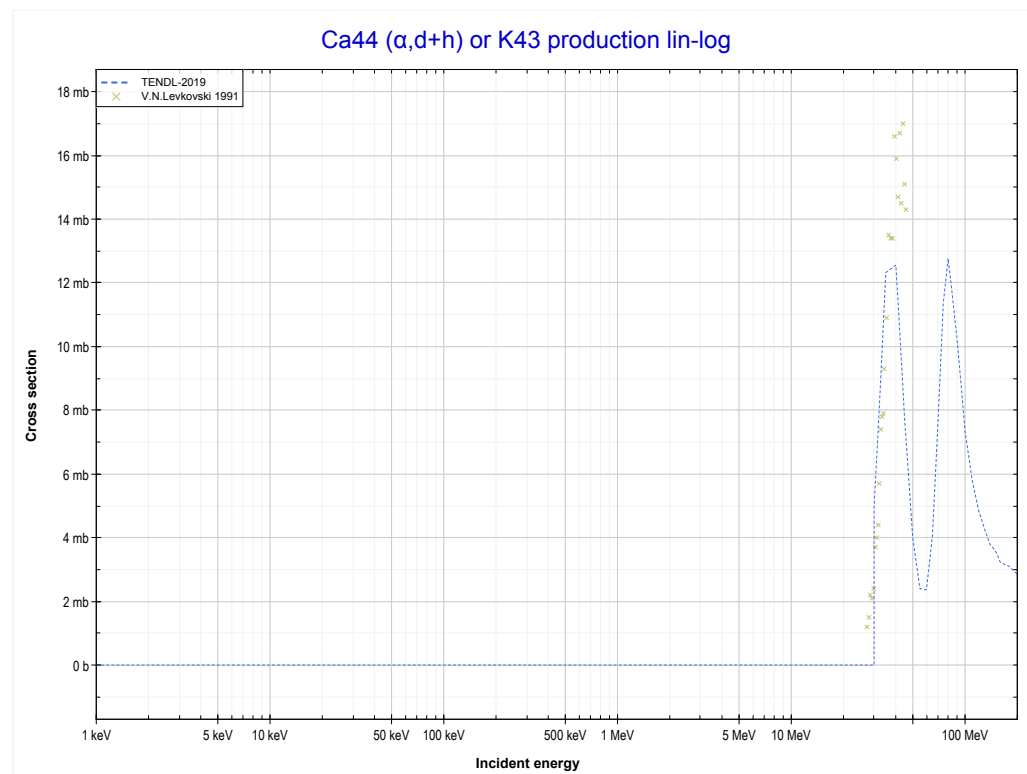
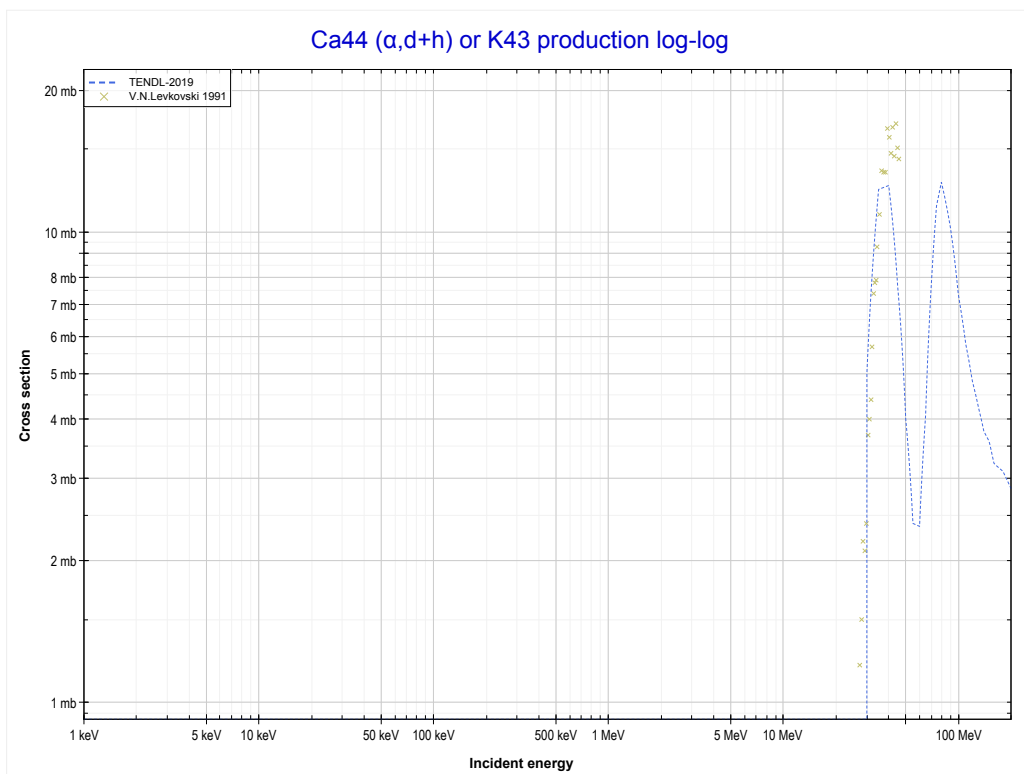
Reaction	Q-Value
Ca44($\alpha, p + \alpha$)K43	-12182.27 keV
Ca44($\alpha, d + \text{He3}$)K43	-30535.32 keV
Ca44($\alpha, 2p + t$)K43	-31996.14 keV
Ca44($\alpha, n + p + \text{He3}$)K43	-32759.89 keV
Ca44($\alpha, p + 2d$)K43	-36028.80 keV
Ca44($\alpha, n + 2p + d$)K43	-38253.36 keV
Ca44($\alpha, 2n + 3p$)K43	-40477.93 keV

<< 7-N-14	20-Ca-44	22-Ti-46 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT187 ($\alpha,n+d+^3\text{He}$) or MT5 (K42 production)	MT192 ($\alpha,d+^3\text{He}$) >>



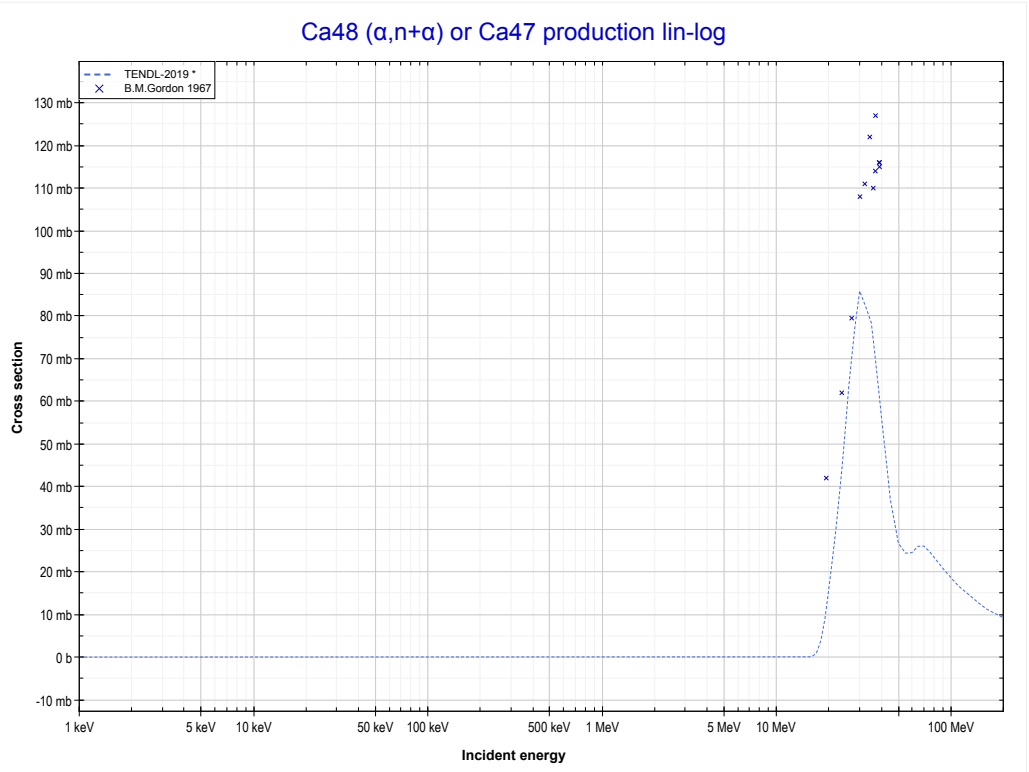
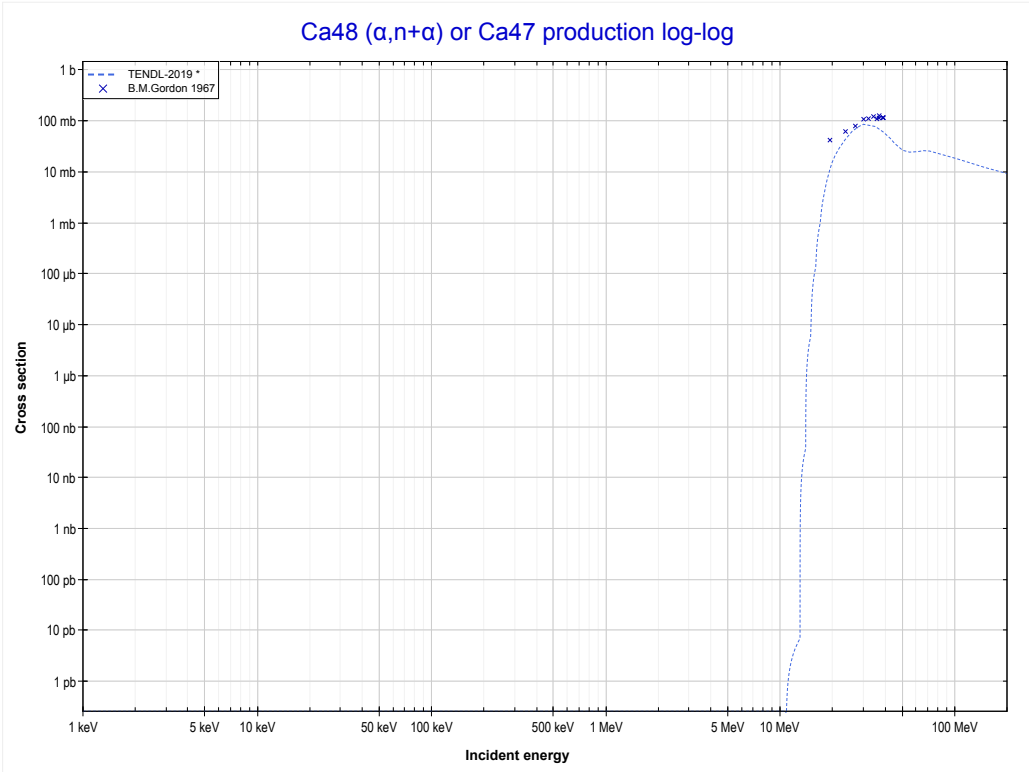
Reaction	Q-Value	Reaction	Q-Value
Ca44($\alpha,d+\alpha$)K42	-19582.39 keV	Ca44($\alpha,n+p+2d$)K42	-45653.49 keV
Ca44($\alpha,n+p+\alpha$)K42	-21806.96 keV	Ca44($\alpha,2n+2p+d$)K42	-47878.05 keV
Ca44($\alpha,t+^3\text{He}$)K42	-33902.78 keV	Ca44($\alpha,3n+3p$)K42	-50102.62 keV
Ca44($\alpha,p+d+t$)K42	-39396.26 keV		
Ca44($\alpha,n+d+^3\text{He}$)K42	-40160.01 keV		
Ca44($\alpha,n+2p+t$)K42	-41620.82 keV		
Ca44($\alpha,2n+p+^3\text{He}$)K42	-42384.58 keV		
Ca44($\alpha,3d$)K42	-43428.92 keV		

<< 20-Ca-43	20-Ca-44	22-Ti-47 >>
<< MT187 ($\alpha, n+d+^3\text{He}$)	MT192 ($\alpha, d+^3\text{He}$) or MT5 (K43 production)	20-Ca-48 MT22 ($\alpha, n+\alpha$) >>



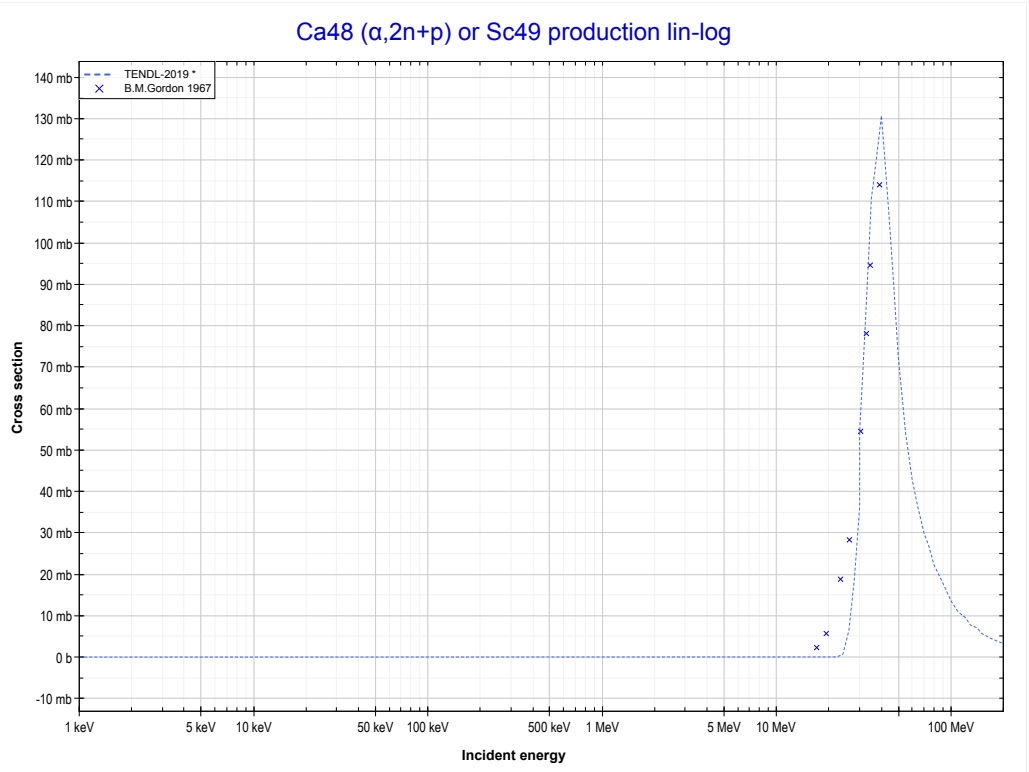
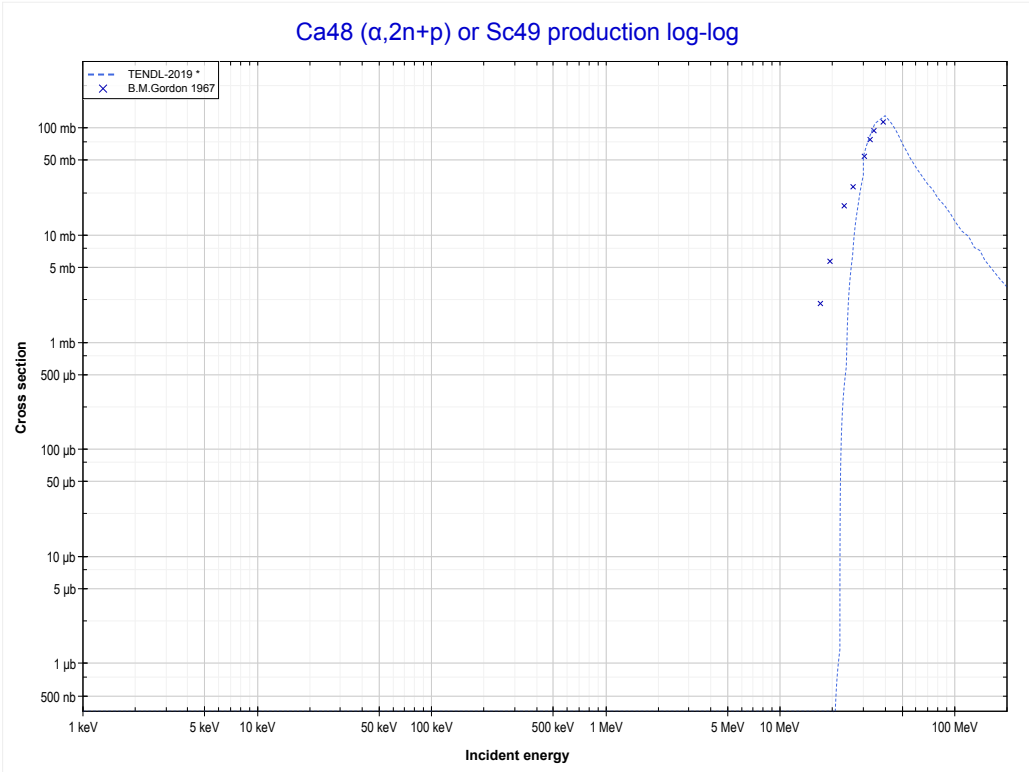
Reaction	Q-Value
Ca44($\alpha, p+\alpha$)K43	-12182.27 keV
Ca44($\alpha, d+^3\text{He}$)K43	-30535.32 keV
Ca44($\alpha, 2p+t$)K43	-31996.14 keV
Ca44($\alpha, n+p+^3\text{He}$)K43	-32759.89 keV
Ca44($\alpha, p+2d$)K43	-36028.80 keV
Ca44($\alpha, n+2p+d$)K43	-38253.36 keV
Ca44($\alpha, 2n+3p$)K43	-40477.93 keV

<< 12-Mg-24	20-Ca-48	21-Sc-45 >>
<< 20-Ca-44 MT192 (α ,d+ ^{3} He)	MT22 (α ,n+ α) or MT5 (Ca47 production)	MT41 (α ,2n+p) >>



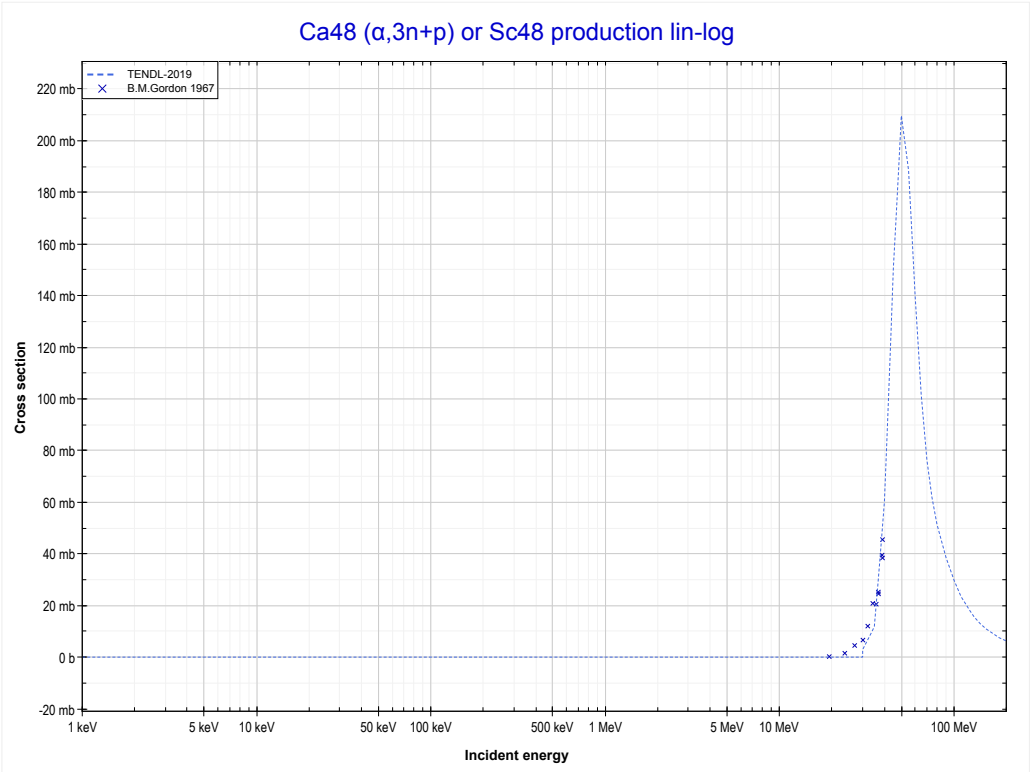
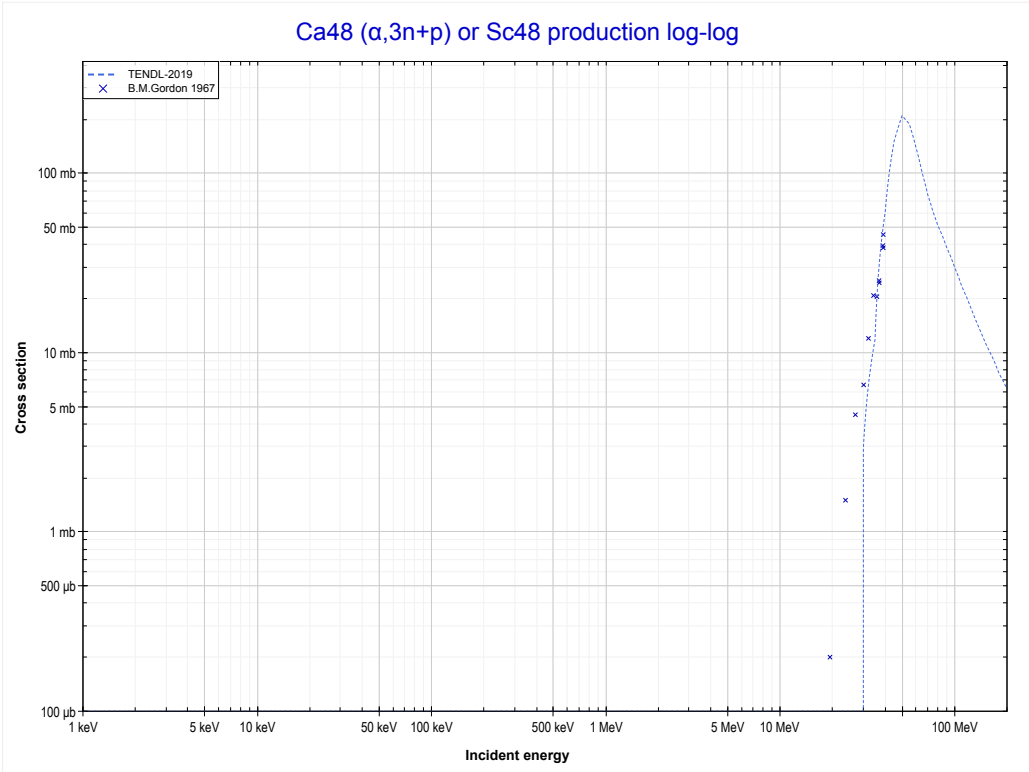
Reaction	Q-Value
Ca48(α ,n+ α)Ca47	-9951.55 keV
Ca48(α ,d+t)Ca47	-27540.85 keV
Ca48(α ,n+p+t)Ca47	-29765.41 keV
Ca48(α ,2n+He3)Ca47	-30529.17 keV
Ca48(α ,n+2d)Ca47	-33798.07 keV
Ca48(α ,2n+p+d)Ca47	-36022.64 keV
Ca48(α ,3n+2p)Ca47	-38247.21 keV

<< 20-Ca-43	20-Ca-48	22-Ti-47 >>
<< MT22 ($\alpha,n+\alpha$)	MT41 ($\alpha,2n+p$) or MT5 (Sc49 production)	MT42 ($\alpha,3n+p$) >>



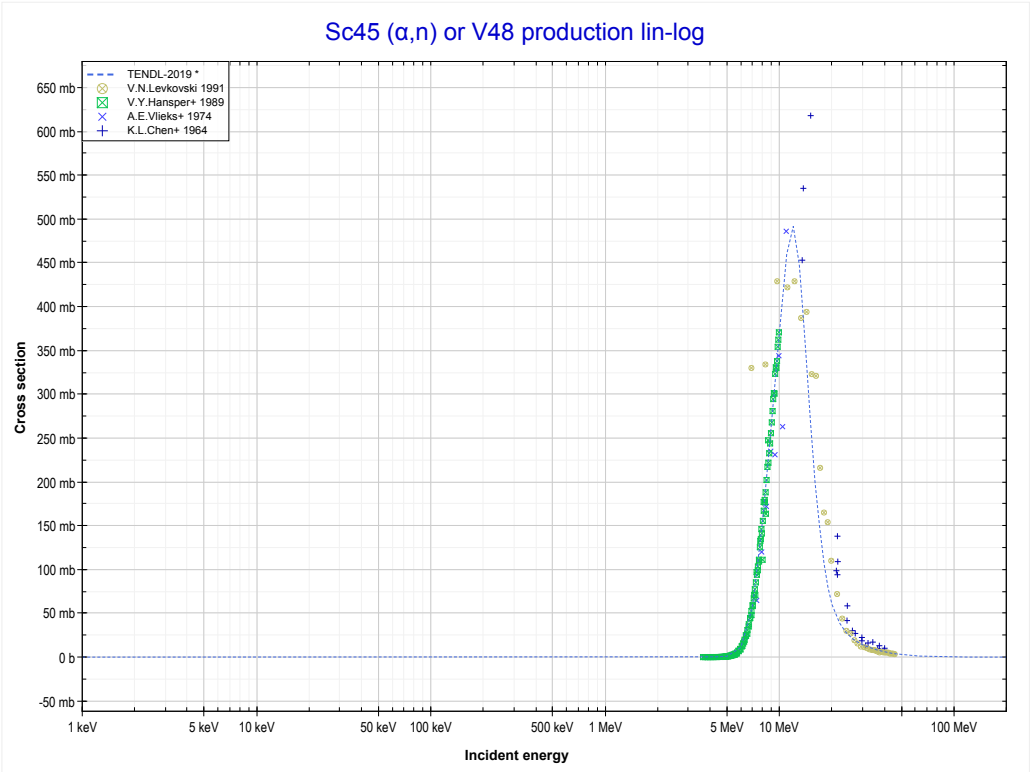
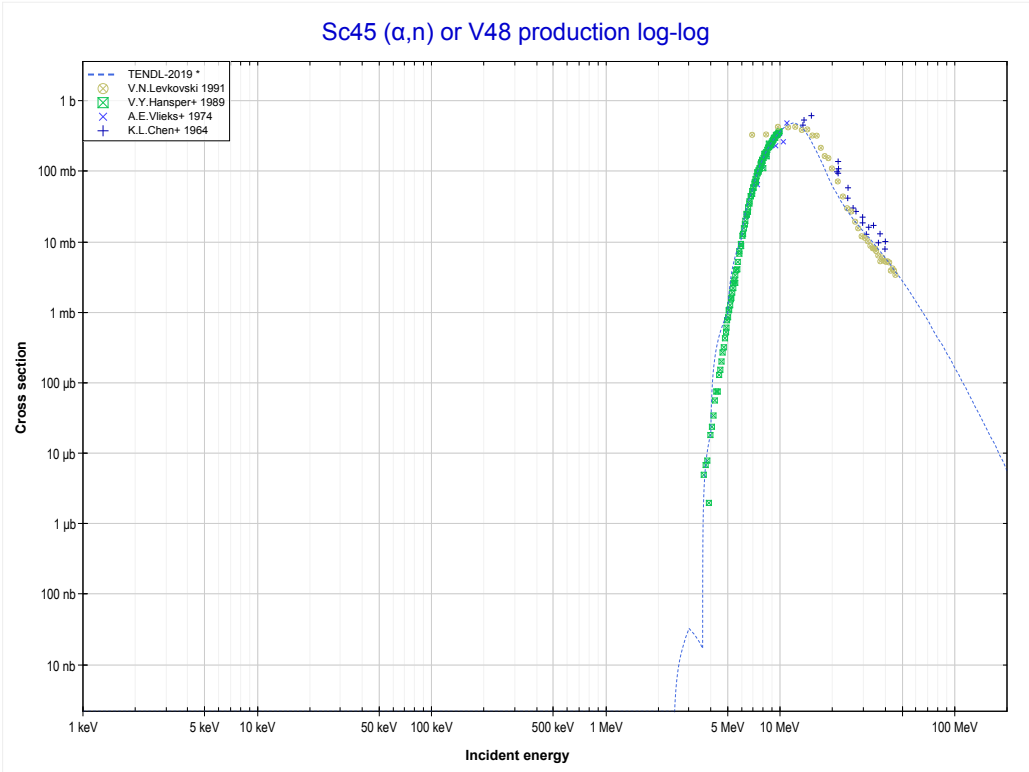
Reaction	Q-Value
Ca48(α,t)Sc49	-10188.22 keV
Ca48($\alpha,n+d$)Sc49	-16445.45 keV
Ca48($\alpha,2n+p$)Sc49	-18670.02 keV

<< 20-Ca-44	20-Ca-48	22-Ti-48 >>
<< MT41 (α ,2n+p)	MT42 (α ,3n+p) or MT5 (Sc48 production)	21-Sc-45 MT4 (α ,n) >>



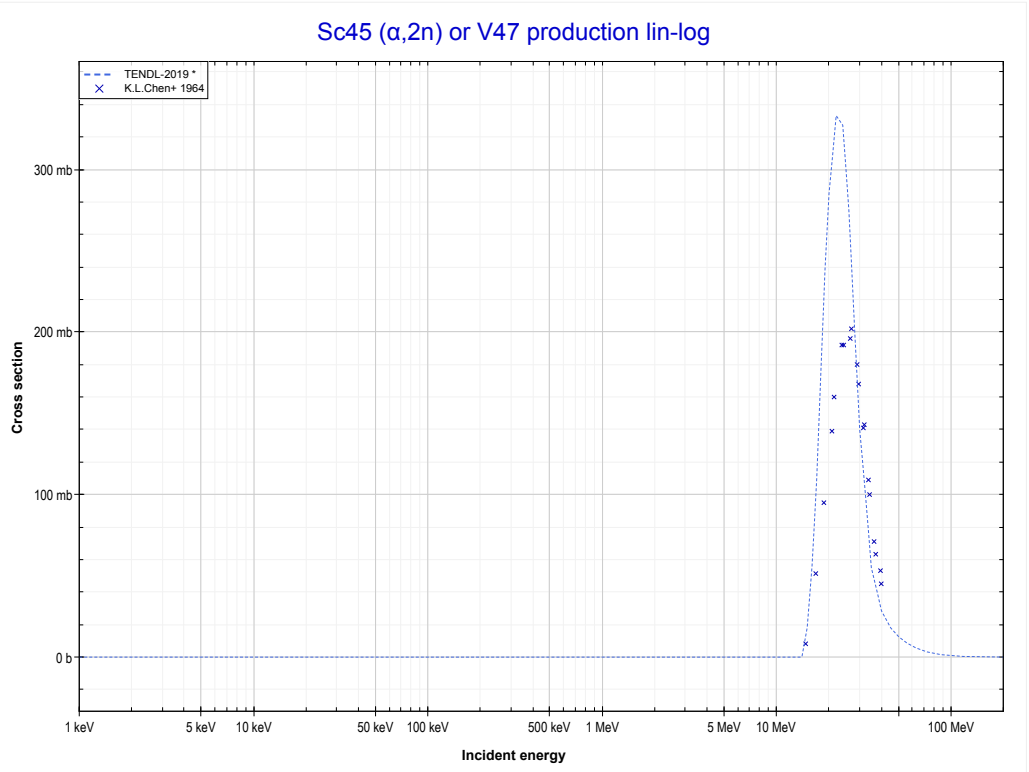
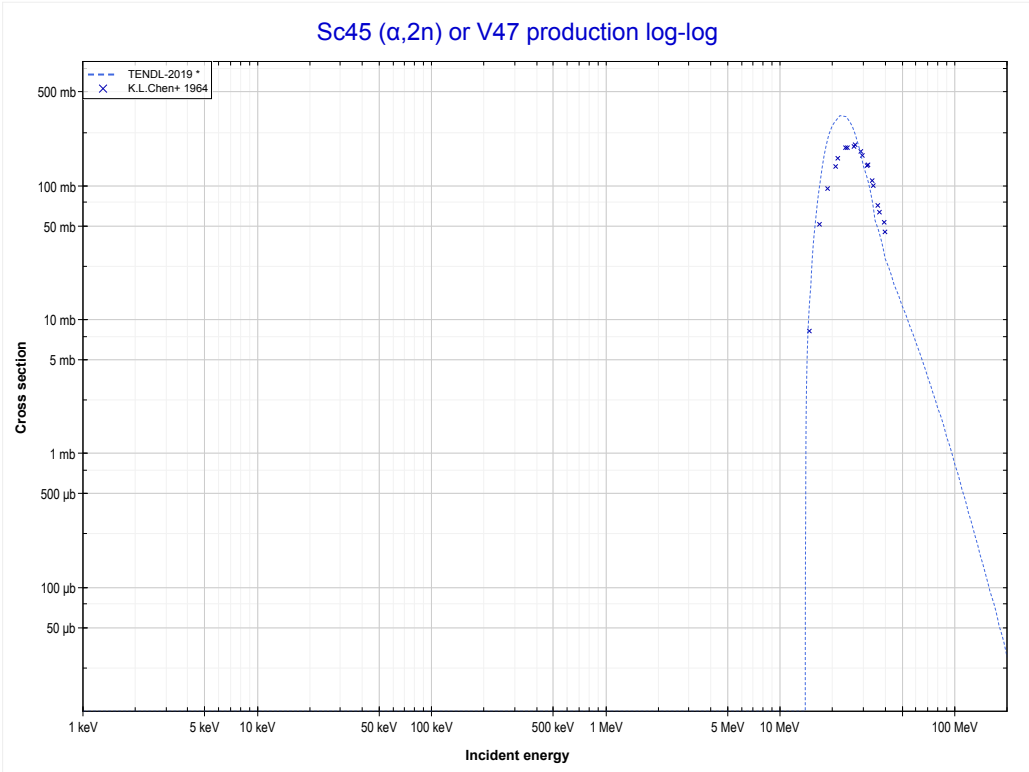
Reaction	Q-Value
Ca48(α ,n+t)Sc48	-20316.84 keV
Ca48(α ,2n+d)Sc48	-26574.07 keV
Ca48(α ,3n+p)Sc48	-28798.64 keV

<< 19-K-41	21-Sc-45	22-Ti-46 >>
<< 20-Ca-48 MT42 ($\alpha,3n+p$)	MT4 (α,n) or MT5 (V48 production)	MT16 ($\alpha,2n$) >>



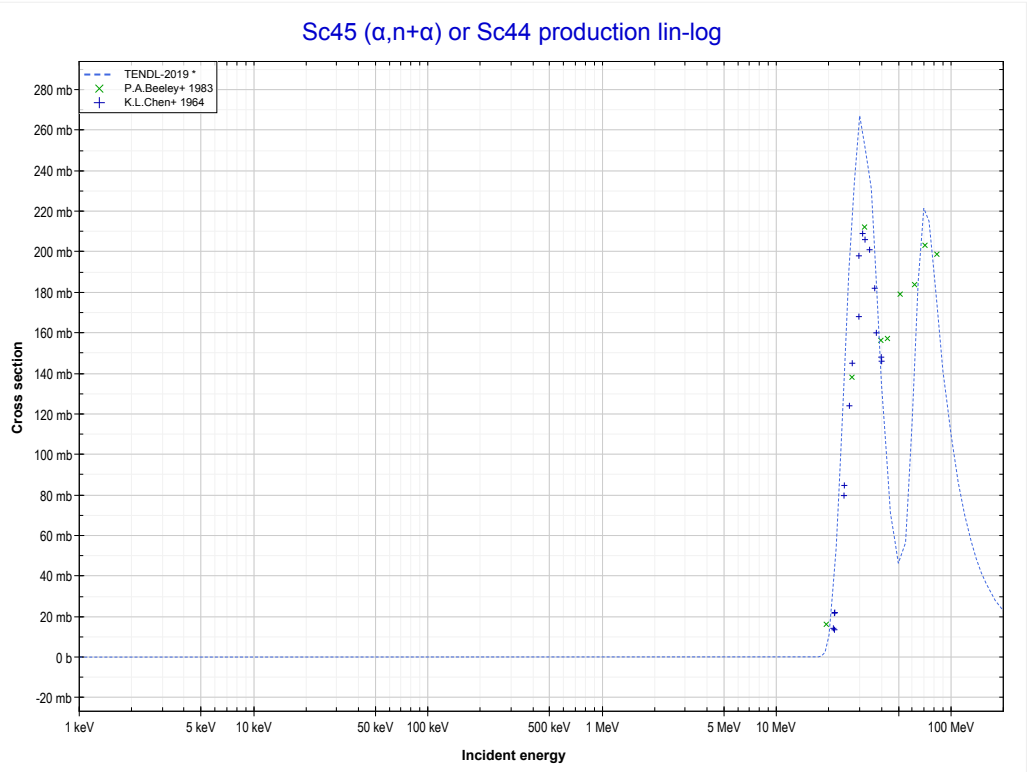
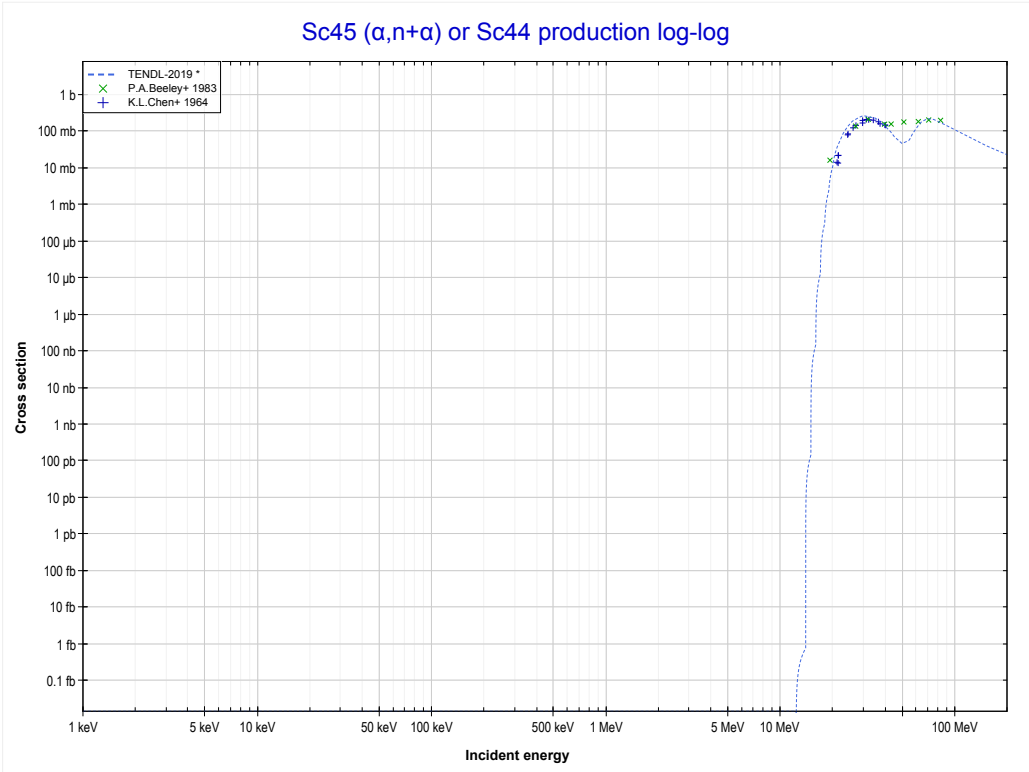
Reaction	Q-Value
Sc45(α,n)V48	-2240.60 keV

<< 20-Ca-42	21-Sc-45	22-Ti-46 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (V47 production)	MT22 (α,n+α) >>



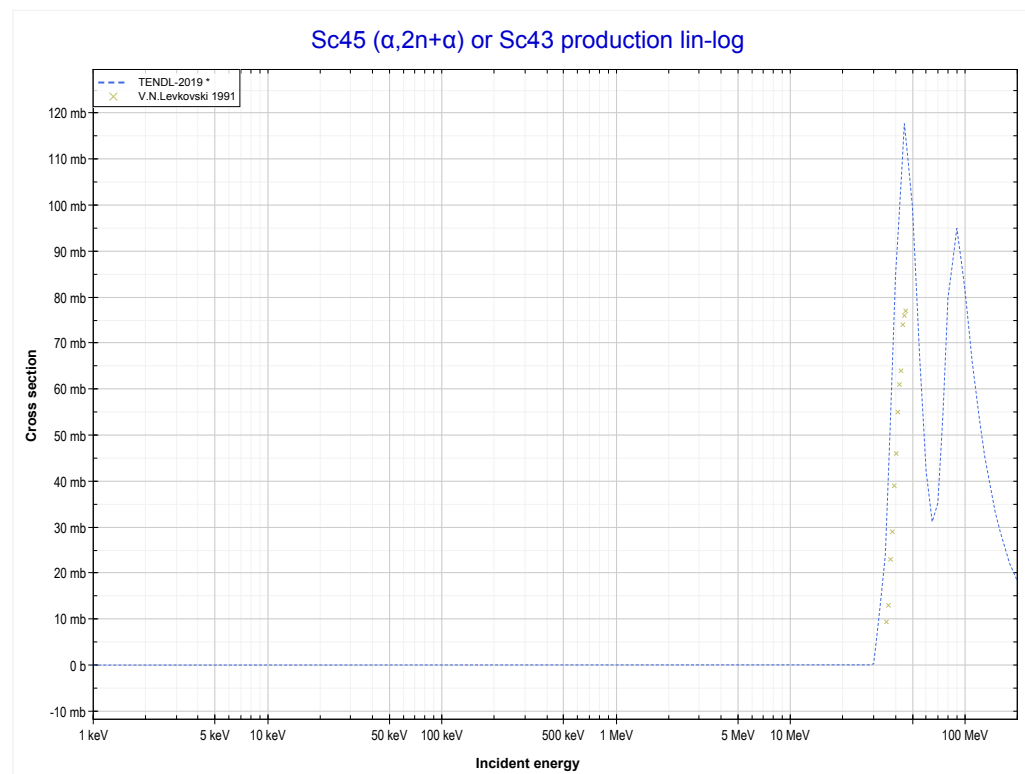
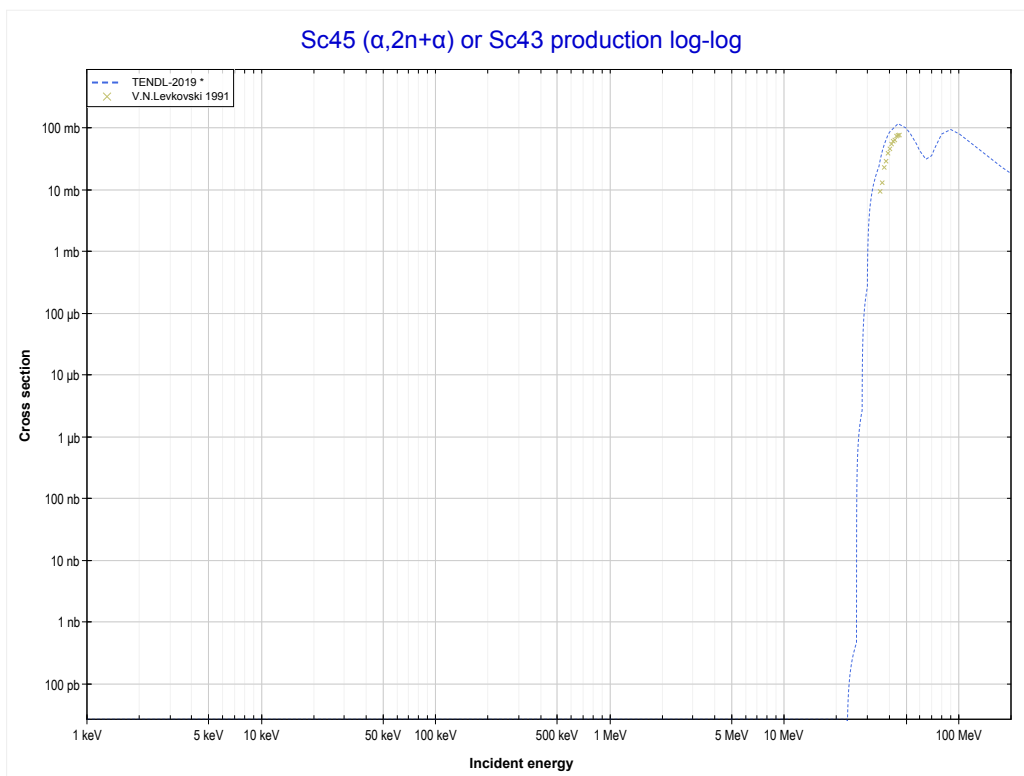
Reaction	Q-Value
Sc45(α,2n)V47	-12783.00 keV

<< 20-Ca-48	21-Sc-45	24-Cr-50 >>
<< MT16 (α,2n)	MT22 (α,n+α) or MT5 (Sc44 production)	MT24 (α,2n+α) >>



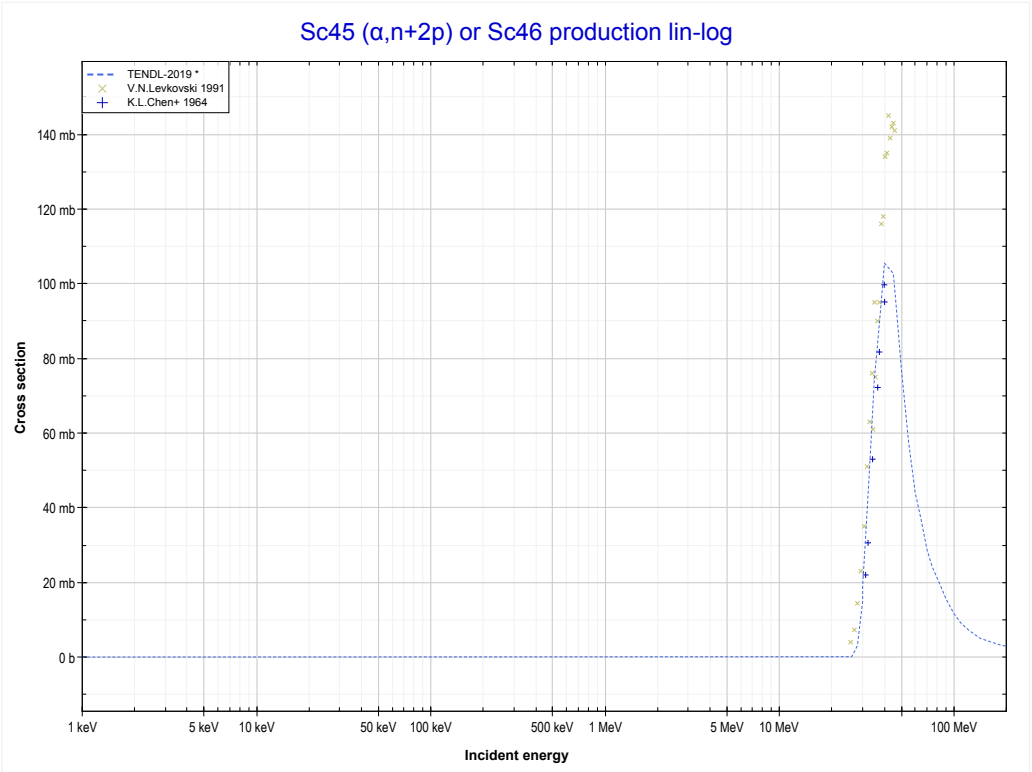
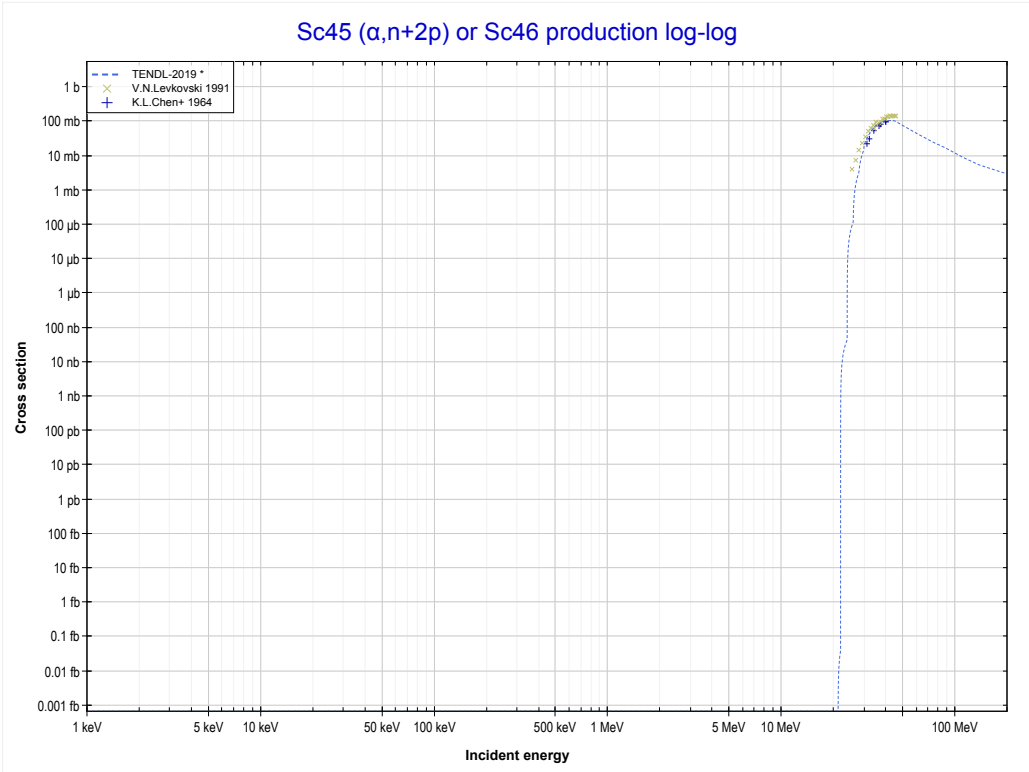
Reaction	Q-Value
Sc45(α,n+α)Sc44	-11327.22 keV
Sc45(α,d+t)Sc44	-28916.52 keV
Sc45(α,n+p+t)Sc44	-31141.08 keV
Sc45(α,2n+He3)Sc44	-31904.84 keV
Sc45(α,n+2d)Sc44	-35173.74 keV
Sc45(α,2n+p+d)Sc44	-37398.31 keV
Sc45(α,3n+2p)Sc44	-39622.88 keV

<< 7-N-14	21-Sc-45	23-V-51 >>
<< MT22 ($\alpha, n + \alpha$)	MT24 ($\alpha, 2n + \alpha$) or MT5 (Sc43 production)	MT44 ($\alpha, n + 2p$) >>



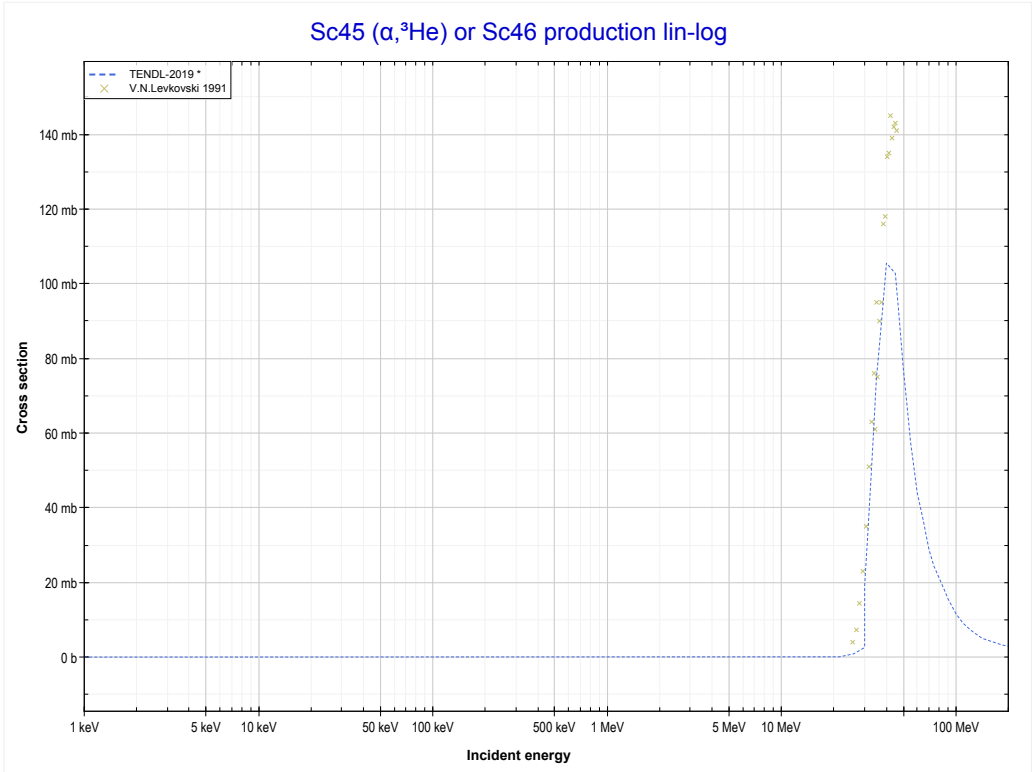
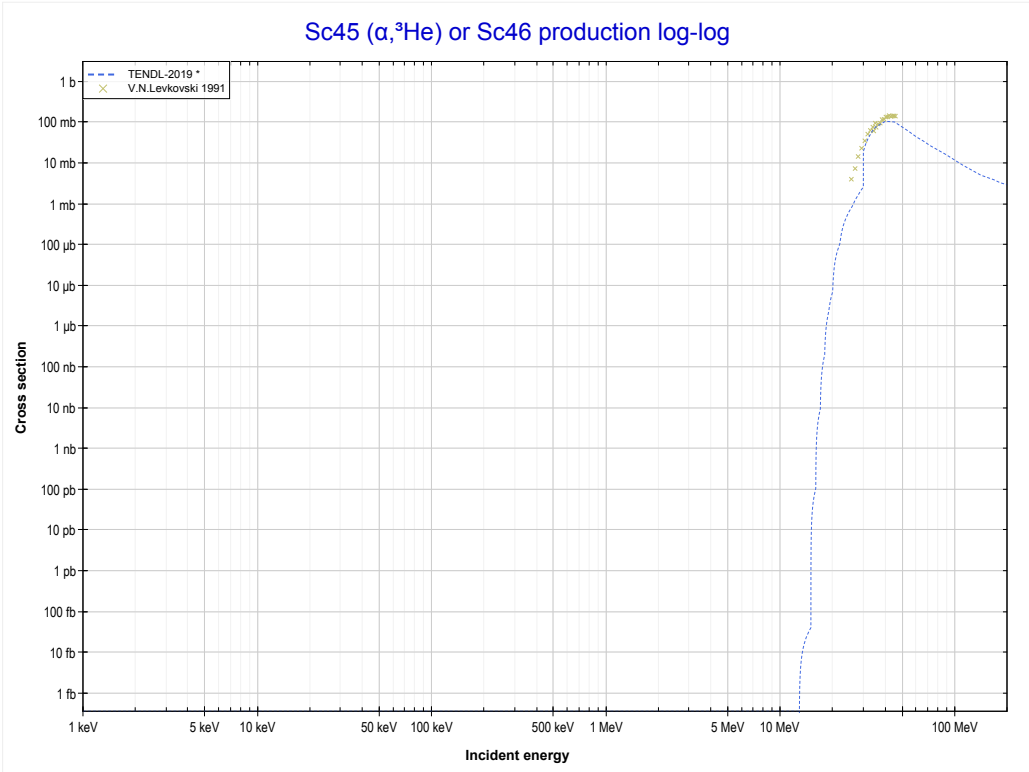
Reaction	Q-Value
Sc45($\alpha, 2n + \alpha$)Sc43	-21026.43 keV
Sc45($\alpha, 2t$)Sc43	-32358.50 keV
Sc45($\alpha, n + d + t$)Sc43	-38615.73 keV
Sc45($\alpha, 2n + p + t$)Sc43	-40840.30 keV
Sc45($\alpha, 3n + \text{He3}$)Sc43	-41604.05 keV
Sc45($\alpha, 2n + 2d$)Sc43	-44872.96 keV
Sc45($\alpha, 3n + p + d$)Sc43	-47097.53 keV
Sc45($\alpha, 4n + 2p$)Sc43	-49322.09 keV

<< 19-K-41	21-Sc-45	25-Mn-55 >>
<< MT24 ($\alpha,2n+\alpha$)	MT44 ($\alpha,n+2p$) or MT5 (Sc46 production)	MT106 ($\alpha,^3\text{He}$) >>



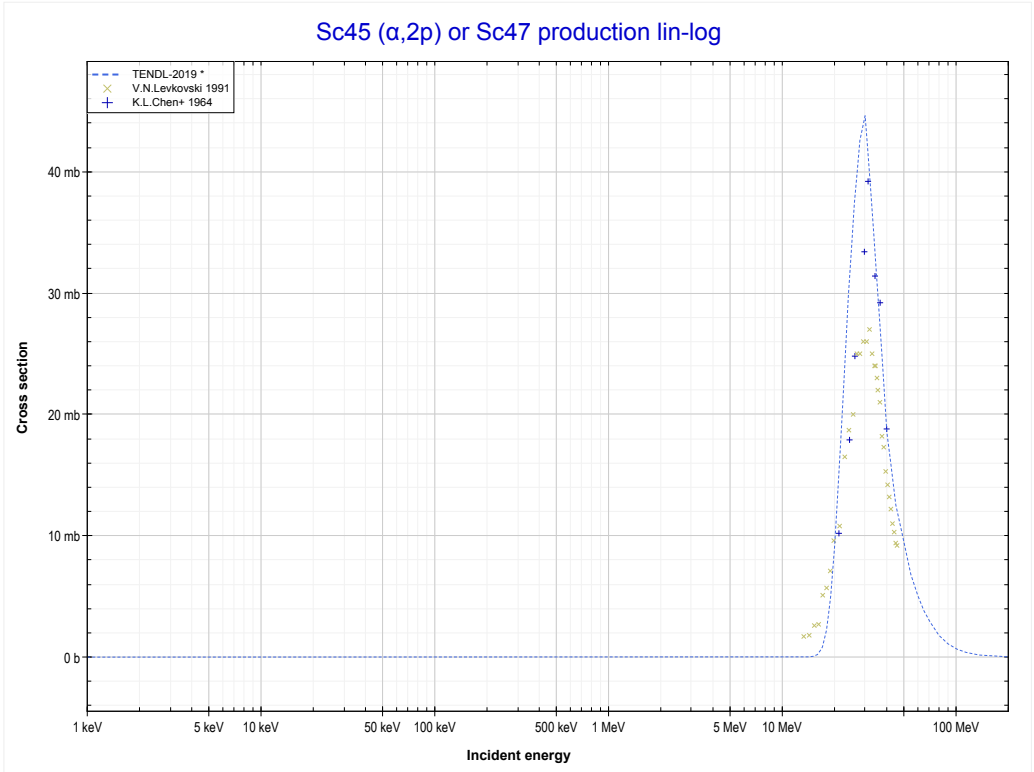
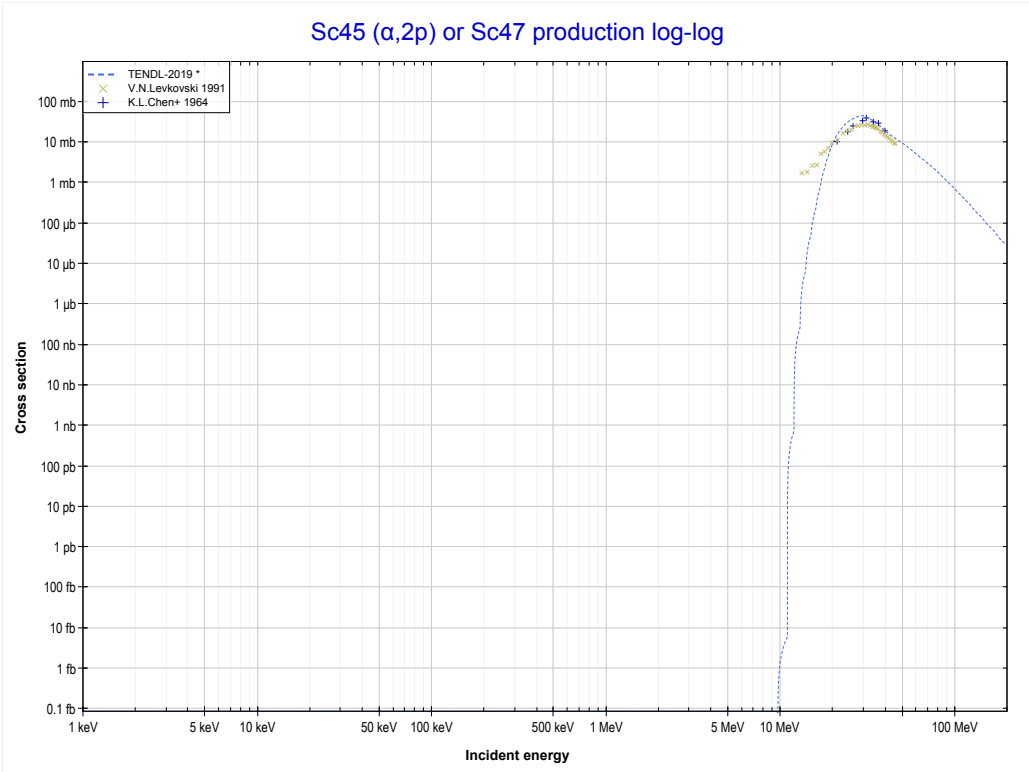
Reaction	Q-Value
Sc45($\alpha,\text{He3}$)Sc46	-11817.00 keV
Sc45($\alpha,p+d$)Sc46	-17310.48 keV
Sc45($\alpha,n+2p$)Sc46	-19535.04 keV

<< 19-K-41	21-Sc-45	25-Mn-55 >>
<< MT44 (α ,n+2p)	MT106 (α , ^3He) or MT5 (Sc46 production)	MT111 (α ,2p) >>



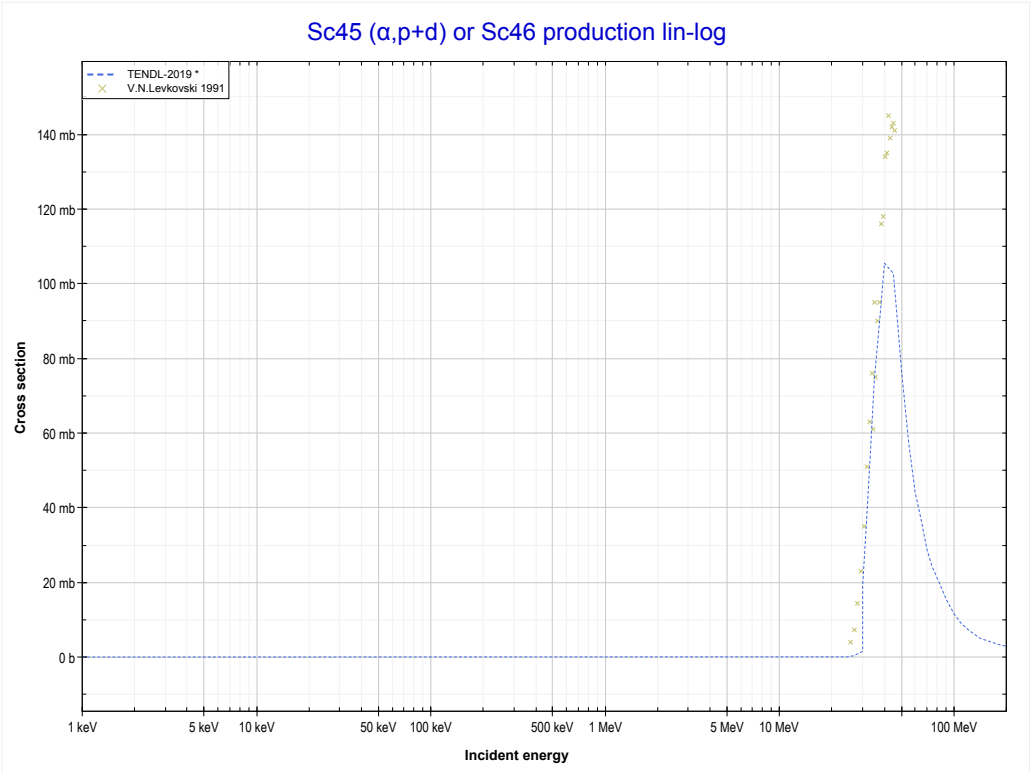
Reaction	Q-Value
Sc45(α ,He3)Sc46	-11817.00 keV
Sc45(α ,p+d)Sc46	-17310.48 keV
Sc45(α ,n+2p)Sc46	-19535.04 keV

<< 19-K-41	21-Sc-45	26-Fe-57 >>
<< MT106 (α , ^3He)	MT111 (α ,2p) or MT5 (Sc47 production)	MT115 (α ,p+d) >>



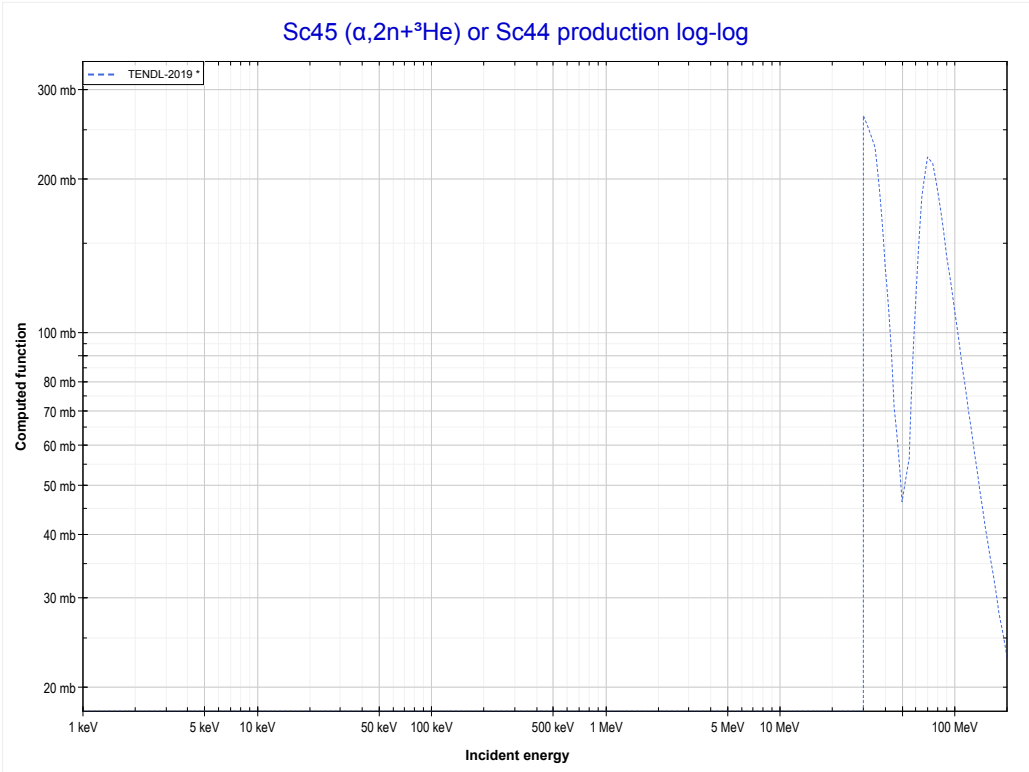
Reaction	Q-Value
Sc45(α ,2p)Sc47	-8888.33 keV

<< 19-K-41	21-Sc-45	25-Mn-55 >>
<< MT111 ($\alpha,2p$)	MT115 ($\alpha,p+d$) or MT5 (Sc46 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



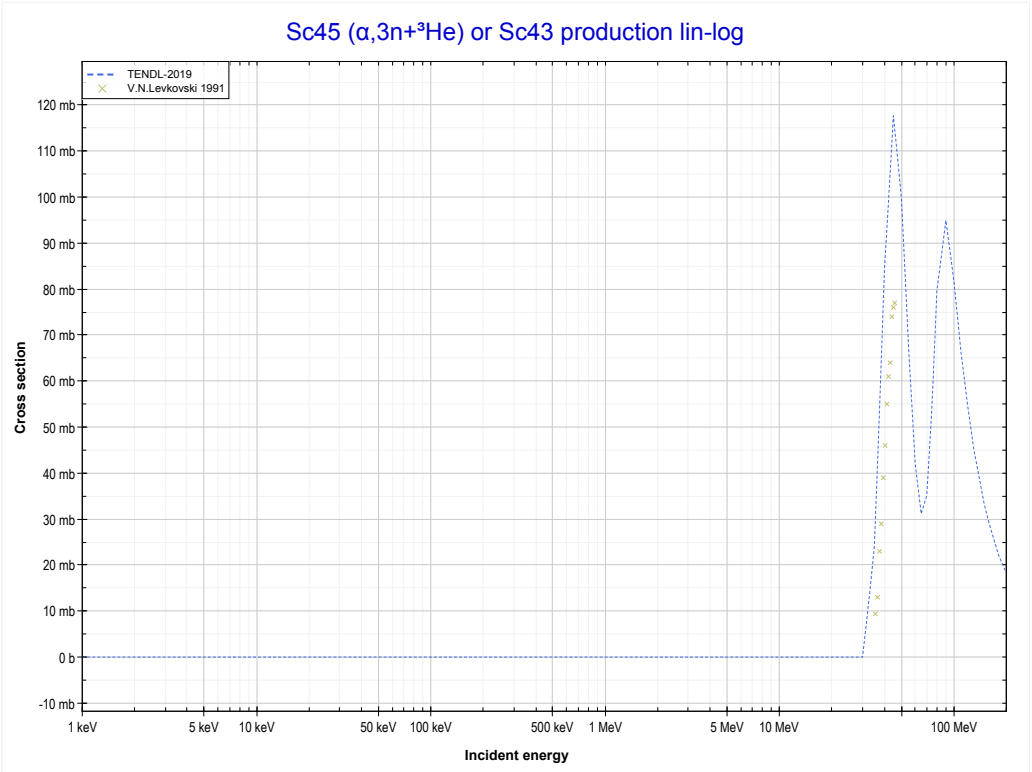
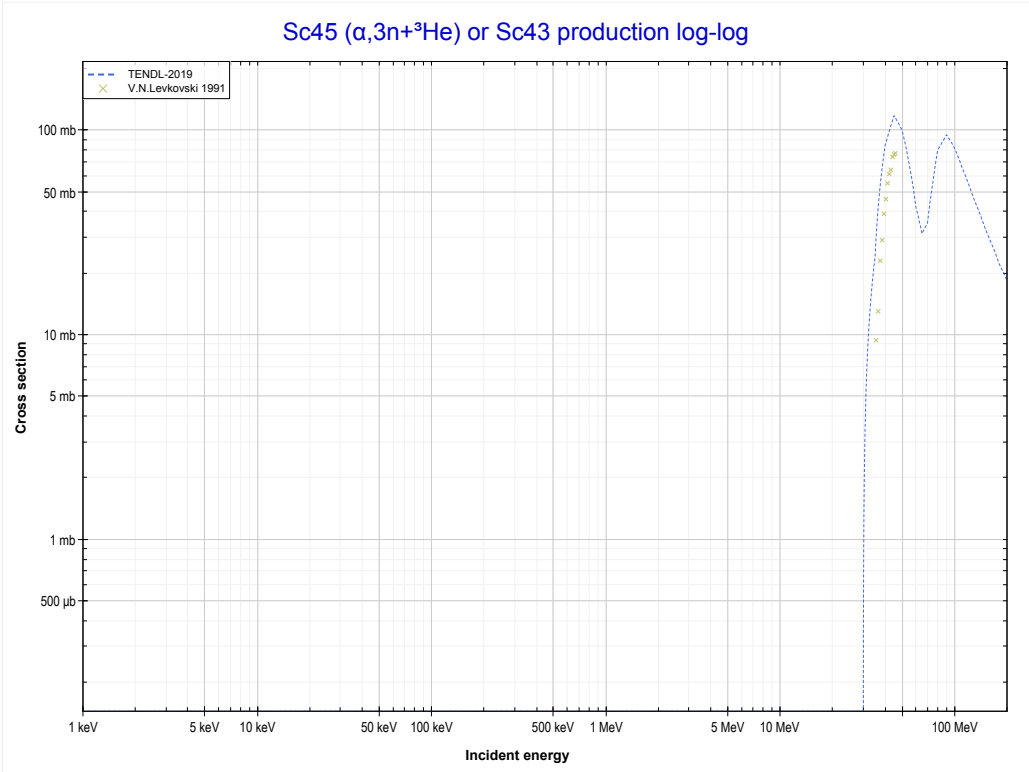
Reaction	Q-Value
Sc45($\alpha,\text{He3}$)Sc46	-11817.00 keV
Sc45($\alpha,p+d$)Sc46	-17310.48 keV
Sc45($\alpha,n+2p$)Sc46	-19535.04 keV

<< 12-Mg-24	21-Sc-45	24-Cr-50 >>
<< MT115 (α,p+d)	MT176 (α,2n+ ³ He) or MT5 (Sc44 production)	MT177 (α,3n+ ³ He) >>



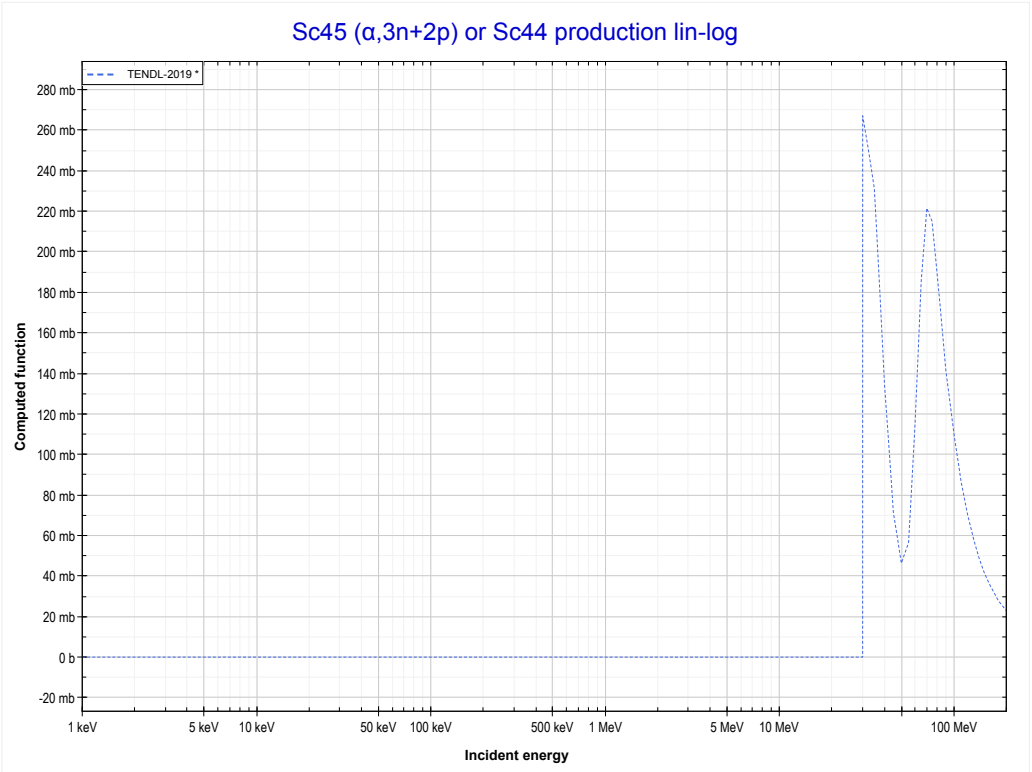
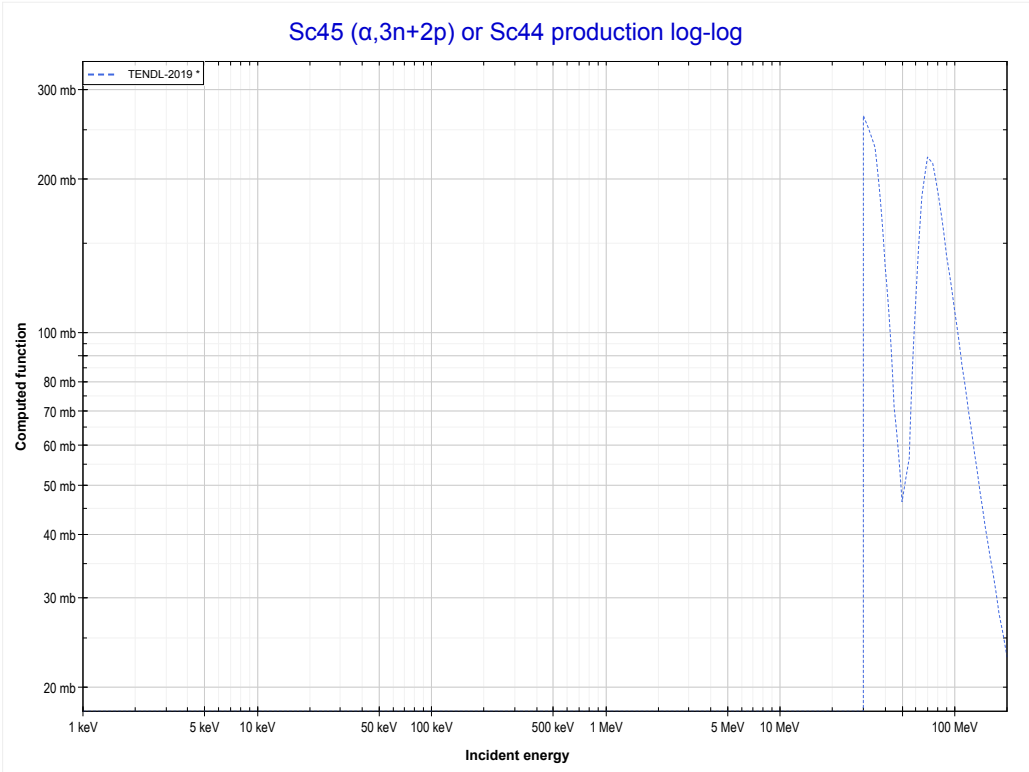
Reaction	Q-Value
Sc45(α,n+α)Sc44	-11327.22 keV
Sc45(α,d+t)Sc44	-28916.52 keV
Sc45(α,n+p+t)Sc44	-31141.08 keV
Sc45(α,2n+He3)Sc44	-31904.84 keV
Sc45(α,n+2d)Sc44	-35173.74 keV
Sc45(α,2n+p+d)Sc44	-37398.31 keV
Sc45(α,3n+2p)Sc44	-39622.88 keV

<< 7-N-14	21-Sc-45	24-Cr-50 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Sc43 production)	MT179 ($\alpha,3n+2p$) >>



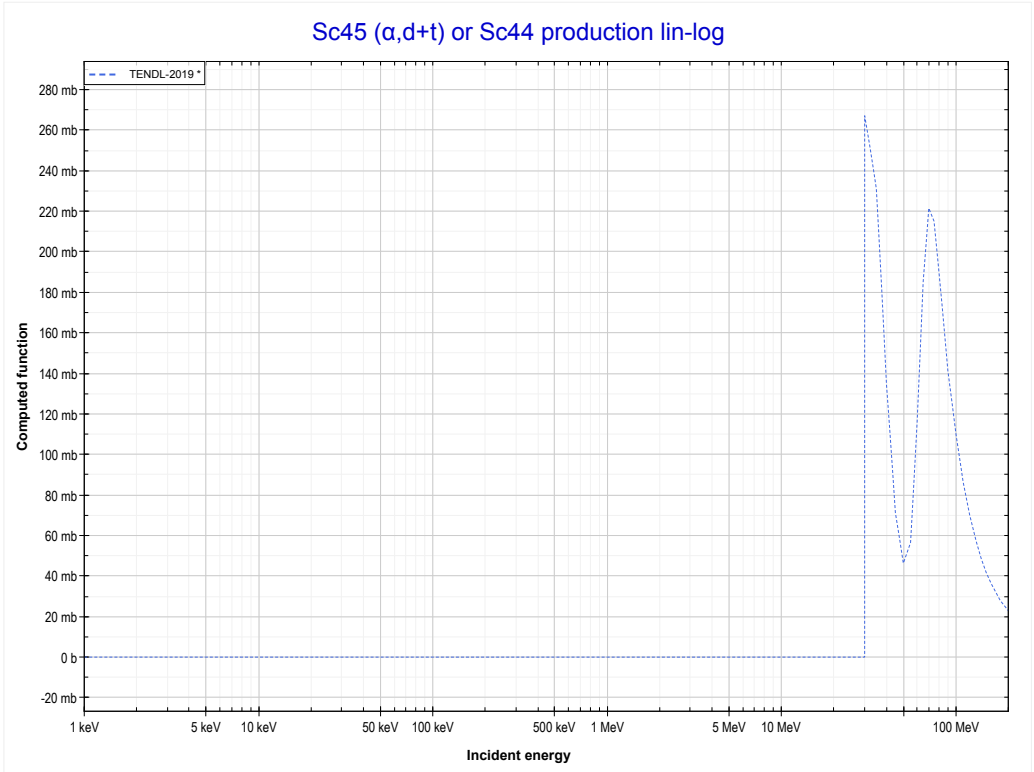
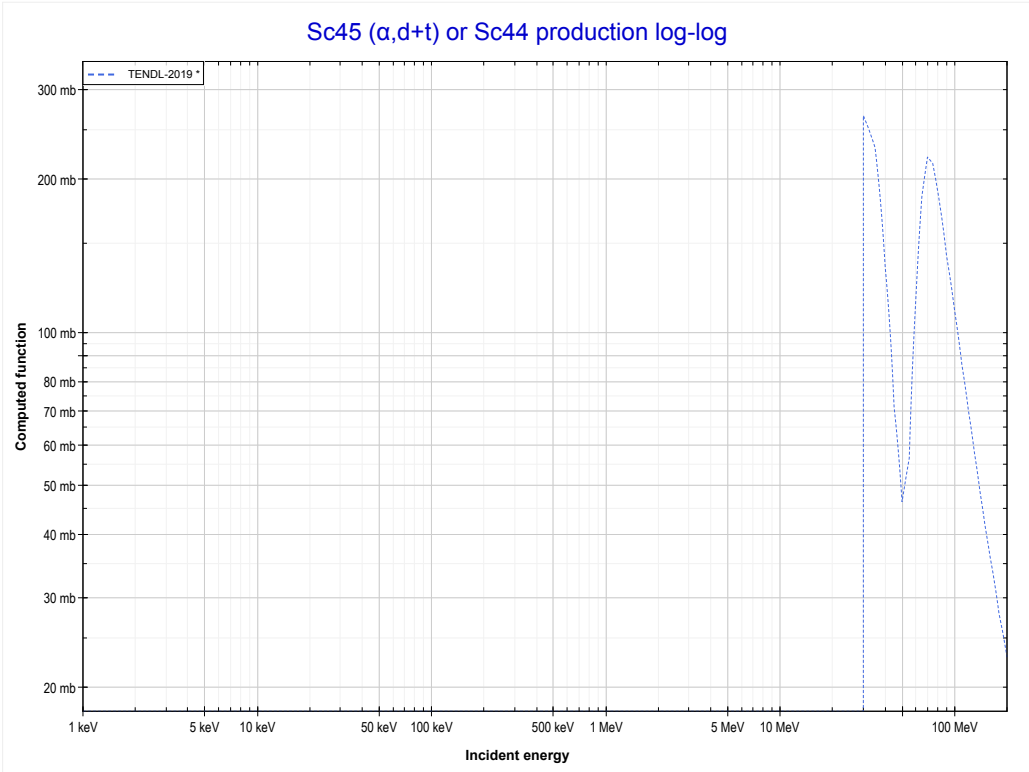
Reaction	Q-Value
Sc45($\alpha,2n+\alpha$)Sc43	-21026.43 keV
Sc45($\alpha,2t$)Sc43	-32358.50 keV
Sc45($\alpha,n+d+t$)Sc43	-38615.73 keV
Sc45($\alpha,2n+p+t$)Sc43	-40840.30 keV
Sc45($\alpha,3n+\text{He3}$)Sc43	-41604.05 keV
Sc45($\alpha,2n+2d$)Sc43	-44872.96 keV
Sc45($\alpha,3n+p+d$)Sc43	-47097.53 keV
Sc45($\alpha,4n+2p$)Sc43	-49322.09 keV

<< 12-Mg-24	21-Sc-45	24-Cr-50 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Sc44 production)	MT182 ($\alpha,d+t$) >>



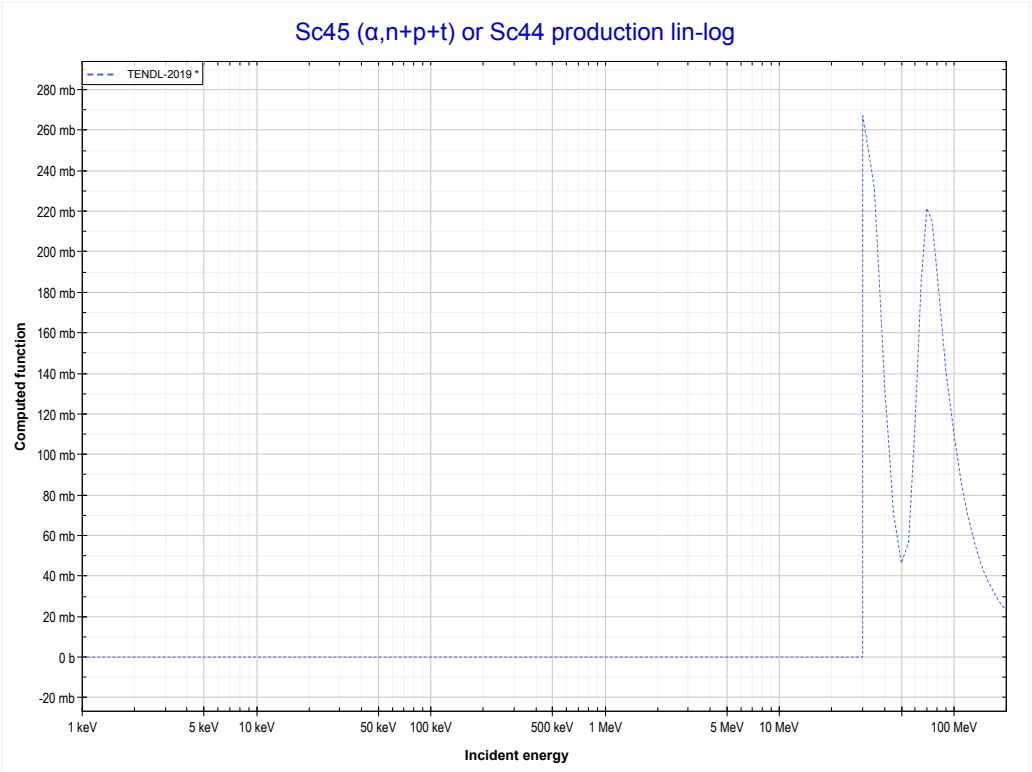
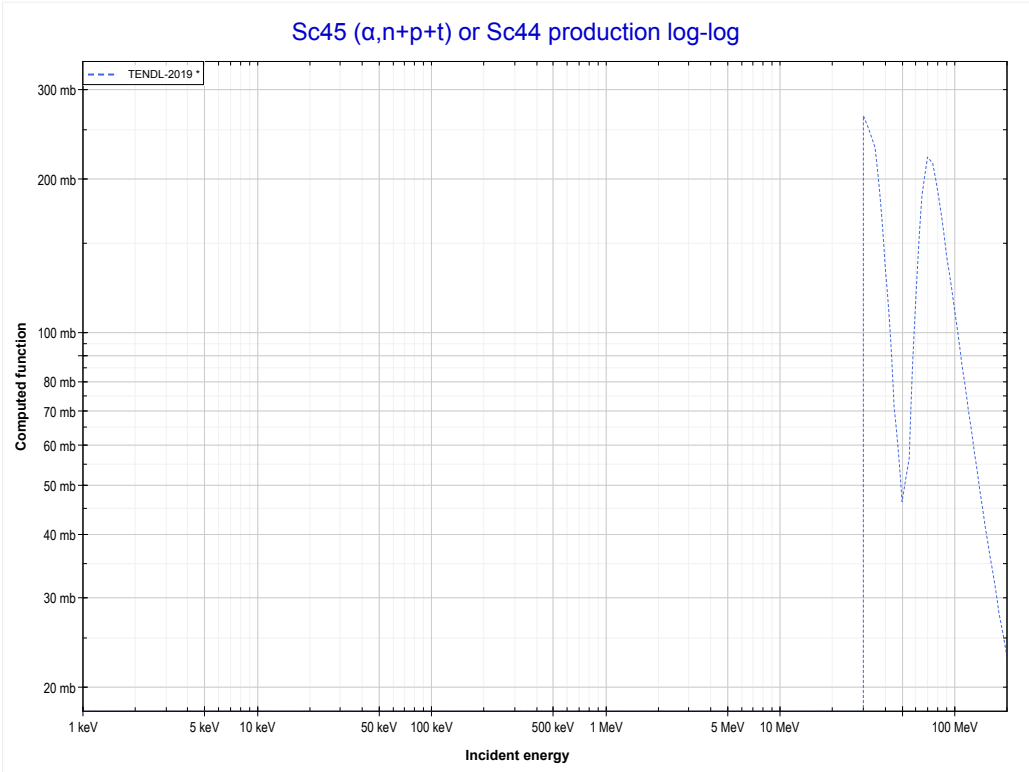
Reaction	Q-Value
Sc45($\alpha,n+\alpha$)Sc44	-11327.22 keV
Sc45($\alpha,d+t$)Sc44	-28916.52 keV
Sc45($\alpha,n+p+t$)Sc44	-31141.08 keV
Sc45($\alpha,2n+^3\text{He}$)Sc44	-31904.84 keV
Sc45($\alpha,n+2d$)Sc44	-35173.74 keV
Sc45($\alpha,2n+p+d$)Sc44	-37398.31 keV
Sc45($\alpha,3n+2p$)Sc44	-39622.88 keV

<< 12-Mg-24	21-Sc-45	24-Cr-50 >>
<< MT179 (α,3n+2p)	MT182 (α,d+t) or MT5 (Sc44 production)	MT184 (α,n+p+t) >>



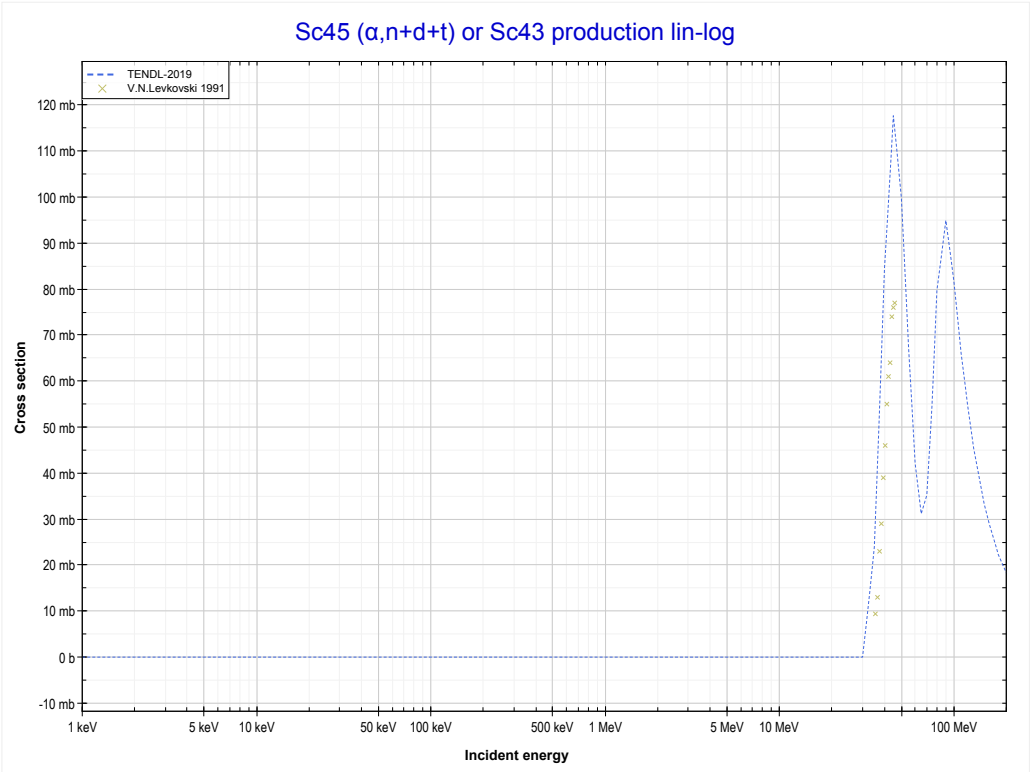
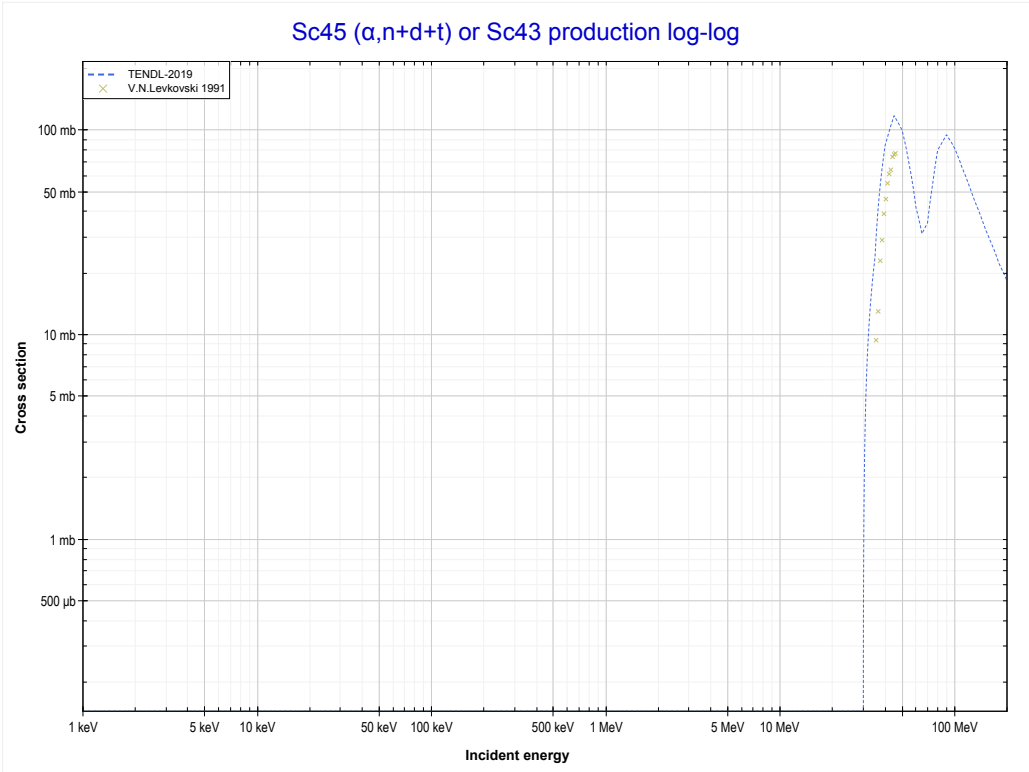
Reaction	Q-Value
Sc45(α,n+α)Sc44	-11327.22 keV
Sc45(α,d+t)Sc44	-28916.52 keV
Sc45(α,n+p+t)Sc44	-31141.08 keV
Sc45(α,2n+He3)Sc44	-31904.84 keV
Sc45(α,n+2d)Sc44	-35173.74 keV
Sc45(α,2n+p+d)Sc44	-37398.31 keV
Sc45(α,3n+2p)Sc44	-39622.88 keV

<< 12-Mg-24	21-Sc-45	24-Cr-50 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Sc44 production)	MT185 (α,n+d+t) >>



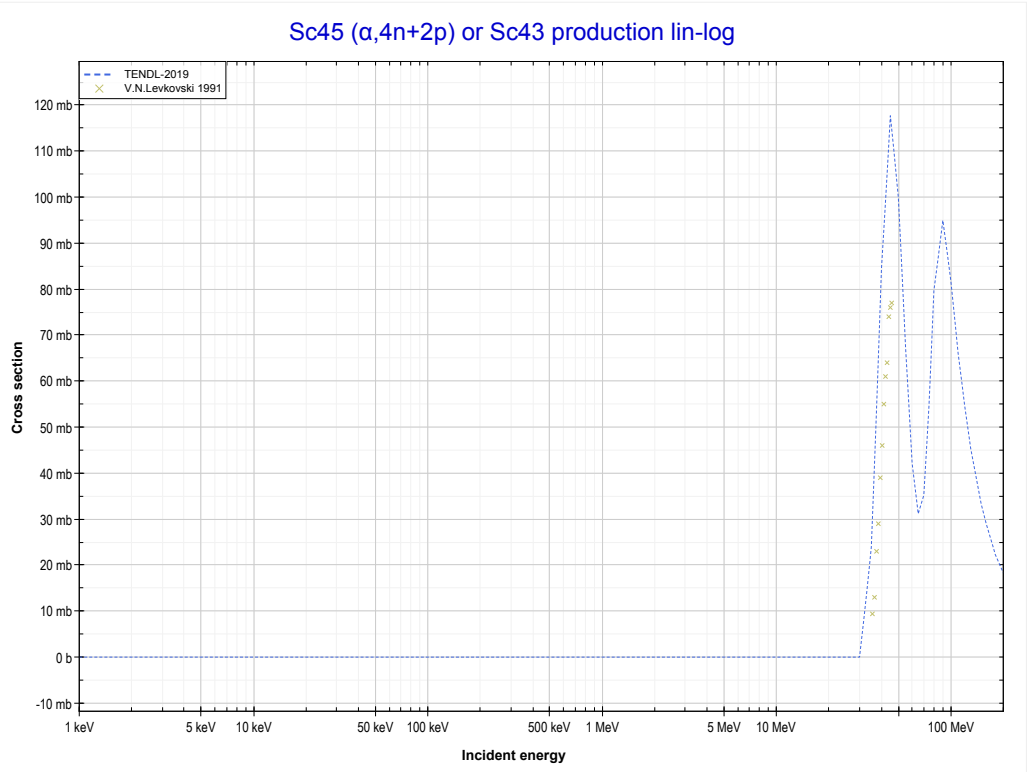
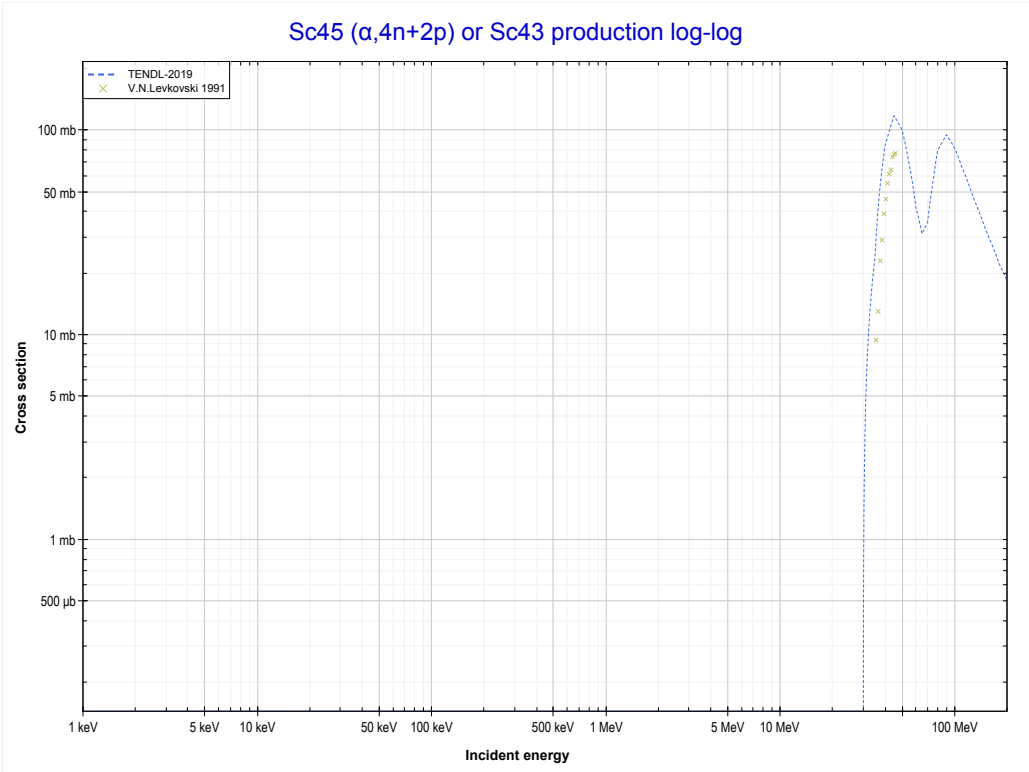
Reaction	Q-Value
Sc45(α,n+α)Sc44	-11327.22 keV
Sc45(α,d+t)Sc44	-28916.52 keV
Sc45(α,n+p+t)Sc44	-31141.08 keV
Sc45(α,2n+He3)Sc44	-31904.84 keV
Sc45(α,n+2d)Sc44	-35173.74 keV
Sc45(α,2n+p+d)Sc44	-37398.31 keV
Sc45(α,3n+2p)Sc44	-39622.88 keV

<< 7-N-14	21-Sc-45	24-Cr-50 >>
<< MT184 (α ,n+p+t)	MT185 (α ,n+d+t) or MT5 (Sc43 production)	MT194 (α ,4n+2p) >>



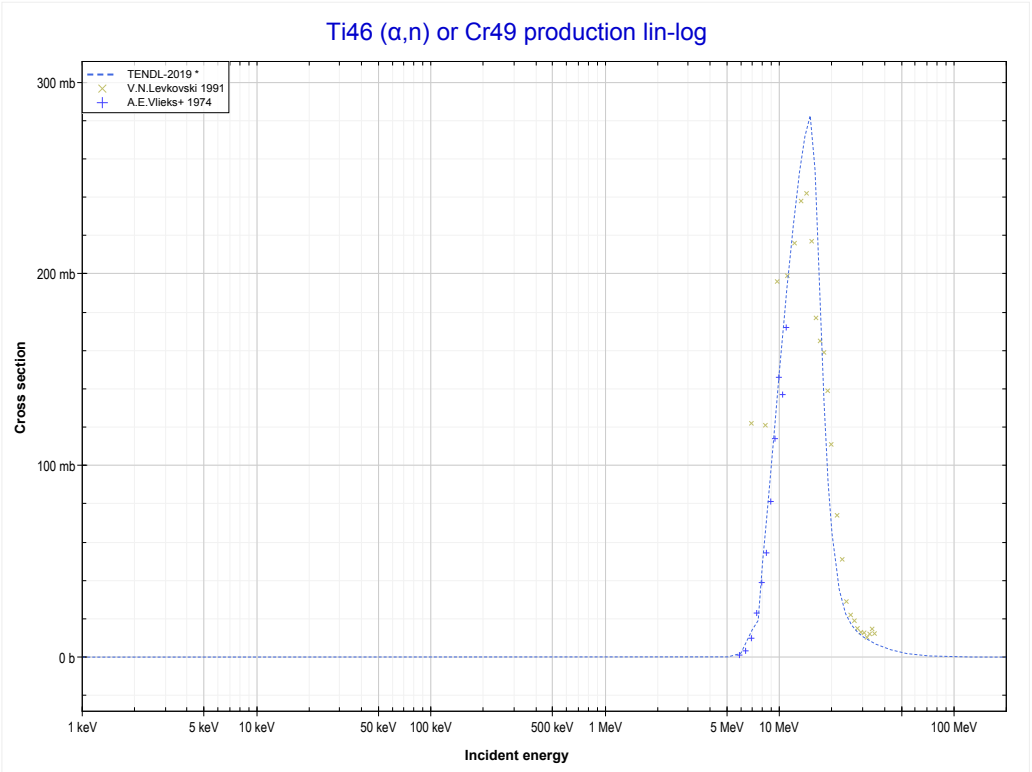
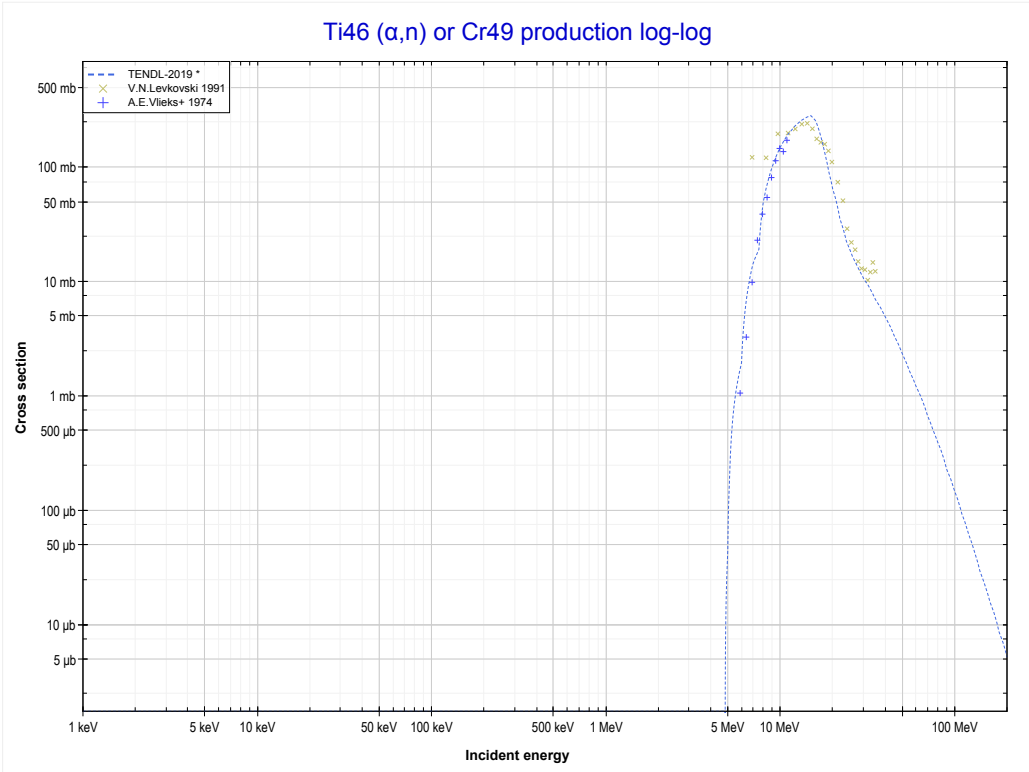
Reaction	Q-Value
Sc45(α ,2n+ α)Sc43	-21026.43 keV
Sc45(α ,2t)Sc43	-32358.50 keV
Sc45(α ,n+d+t)Sc43	-38615.73 keV
Sc45(α ,2n+p+t)Sc43	-40840.30 keV
Sc45(α ,3n+He3)Sc43	-41604.05 keV
Sc45(α ,2n+2d)Sc43	-44872.96 keV
Sc45(α ,3n+p+d)Sc43	-47097.53 keV
Sc45(α ,4n+2p)Sc43	-49322.09 keV

<< 7-N-14	21-Sc-45	24-Cr-50 >>
<< MT185 (α ,n+d+t)	MT194 (α ,4n+2p) or MT5 (Sc43 production)	22-Ti-46 MT4 (α ,n) >>



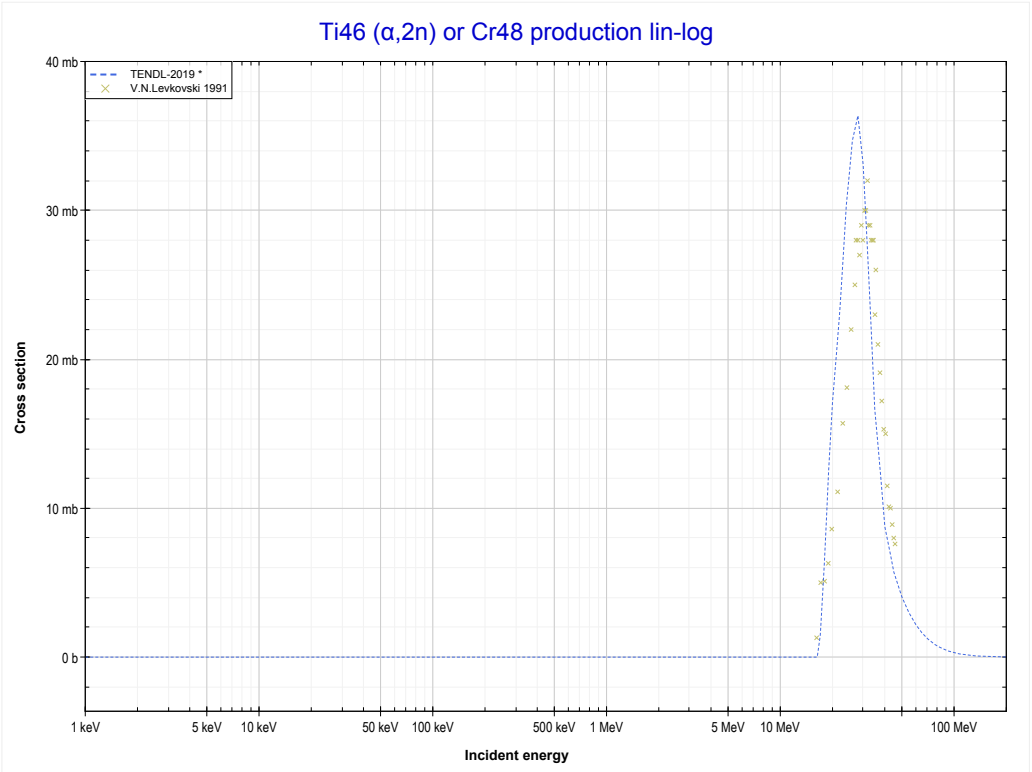
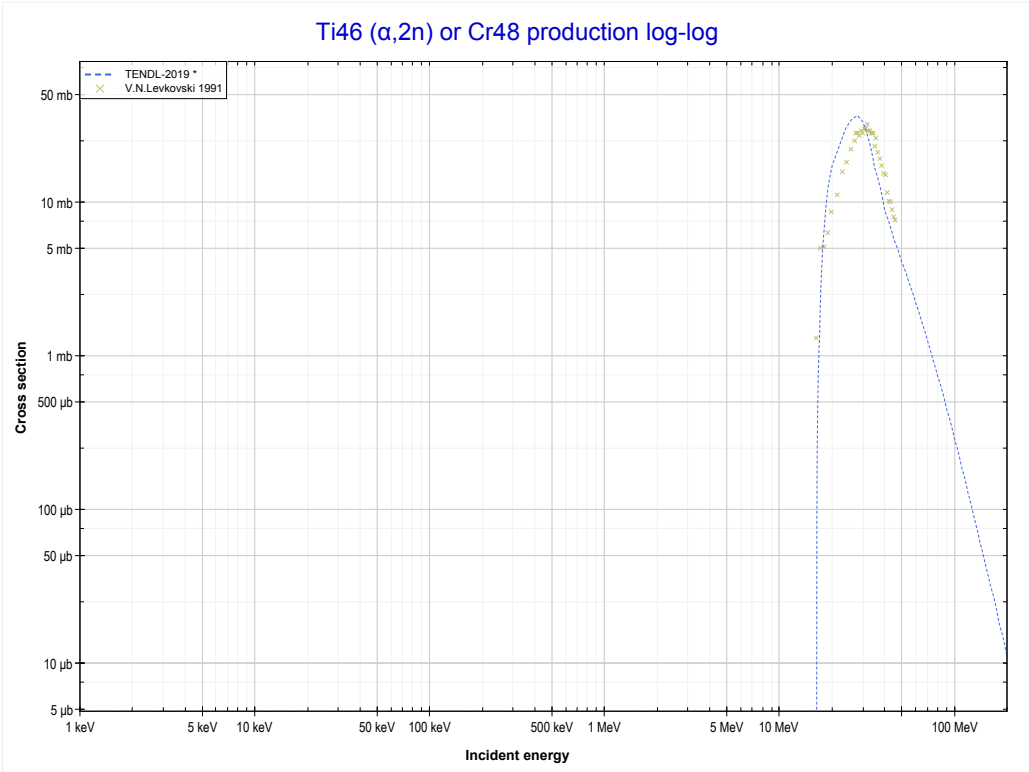
Reaction	Q-Value
Sc45(α ,2n+ α)Sc43	-21026.43 keV
Sc45(α ,2t)Sc43	-32358.50 keV
Sc45(α ,n+d+t)Sc43	-38615.73 keV
Sc45(α ,2n+p+t)Sc43	-40840.30 keV
Sc45(α ,3n+He3)Sc43	-41604.05 keV
Sc45(α ,2n+2d)Sc43	-44872.96 keV
Sc45(α ,3n+p+d)Sc43	-47097.53 keV
Sc45(α ,4n+2p)Sc43	-49322.09 keV

<< 21-Sc-45	22-Ti-46	22-Ti-48 >>
<< 21-Sc-45 MT194 ($\alpha,4n+2p$)	MT4 (α,n) or MT5 (Cr49 production)	MT16 ($\alpha,2n$) >>



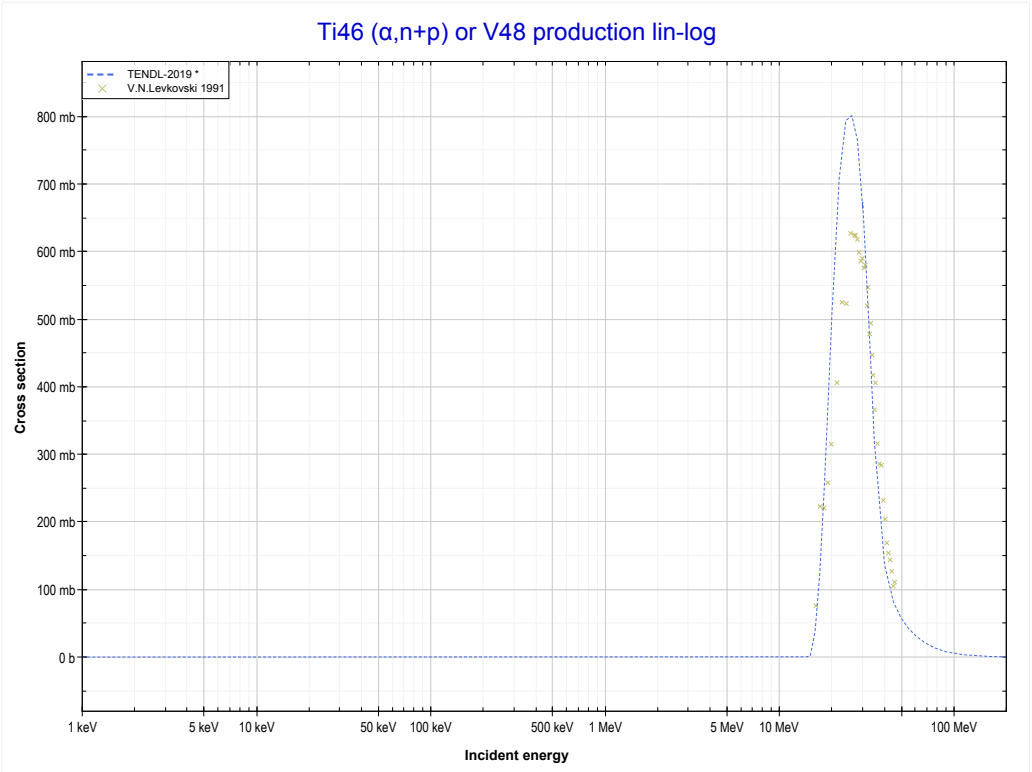
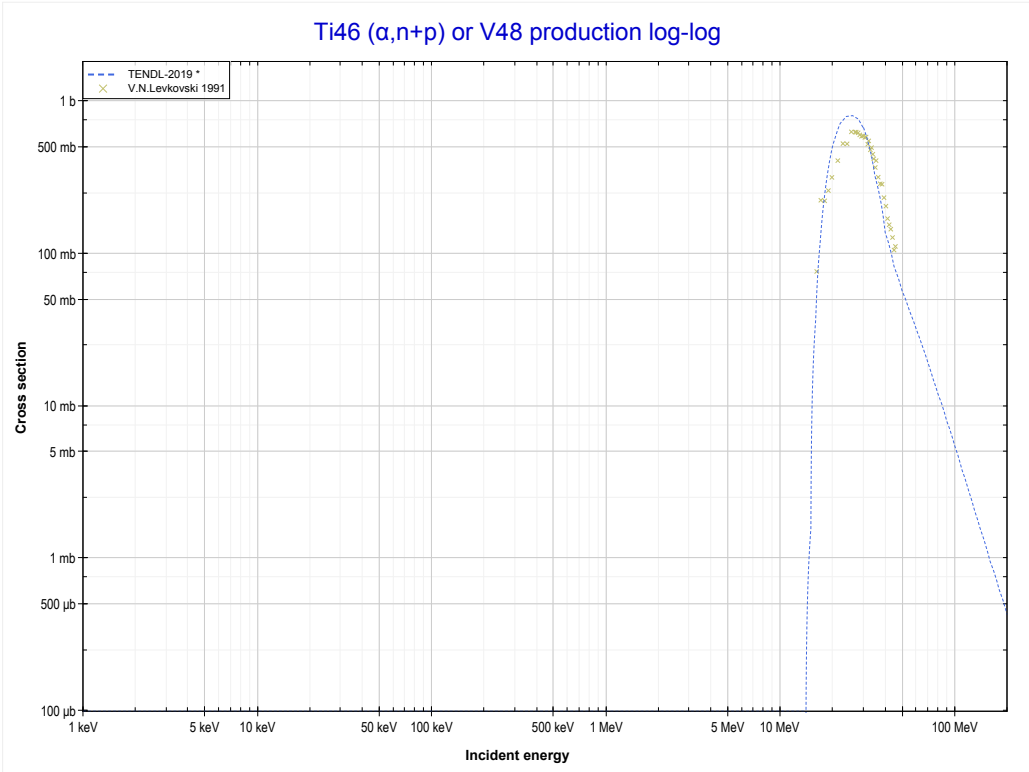
Reaction	Q-Value
Ti46(α,n)Cr49	-4441.10 keV

<< 21-Sc-45	22-Ti-46	22-Ti-47 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Cr48 production)	MT28 (α,n+p) >>



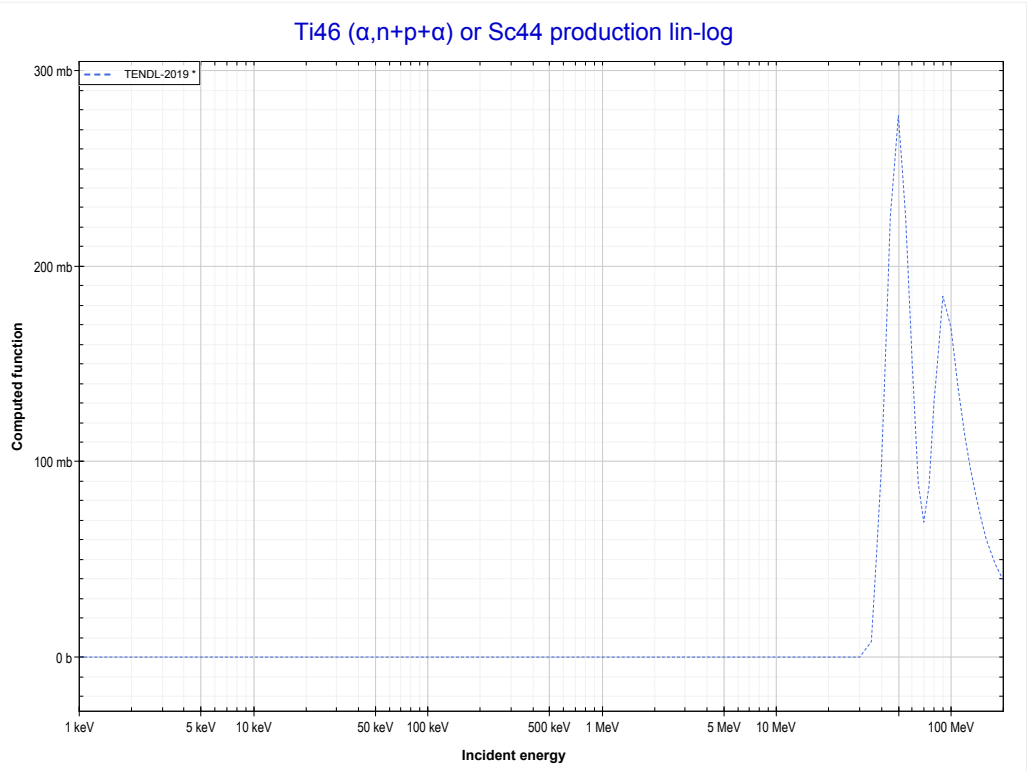
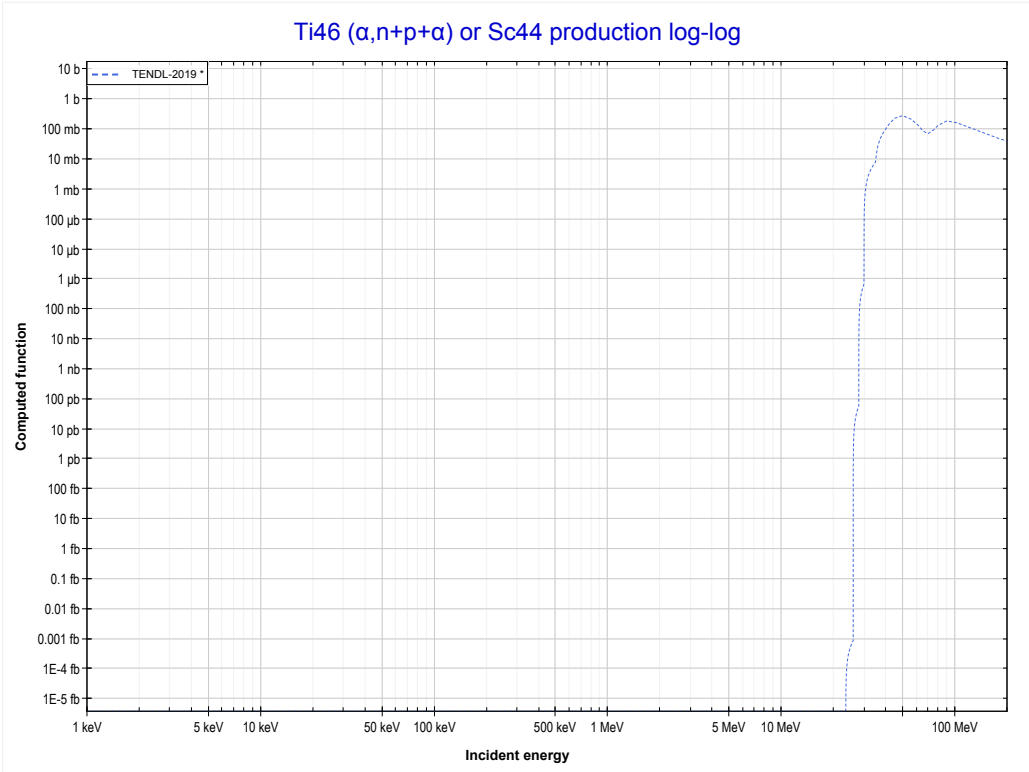
Reaction	Q-Value
Ti46(α,2n)Cr48	-15023.52 keV

<< 20-Ca-44	22-Ti-46	24-Cr-50 >>
<< MT16 ($\alpha,2n$)	MT28 ($\alpha,n+p$) or MT5 (V48 production)	MT45 ($\alpha,n+p+\alpha$) >>



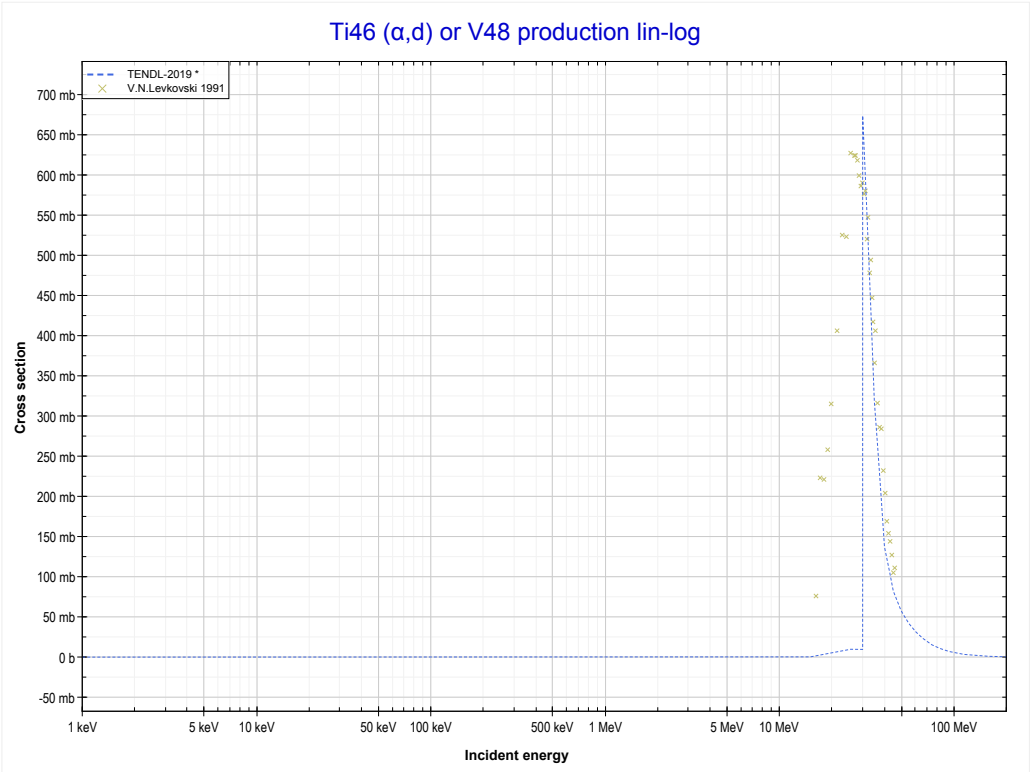
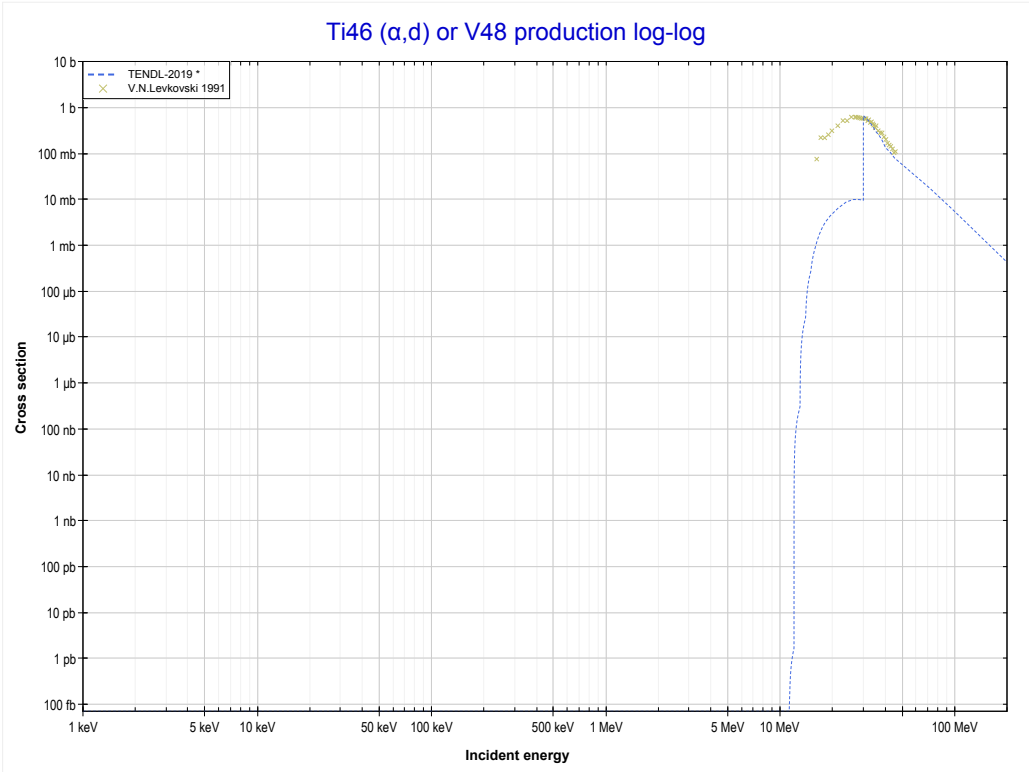
Reaction	Q-Value
Ti46(α,d)V48	-10360.91 keV
Ti46($\alpha,n+p$)V48	-12585.47 keV

<< 20-Ca-44	22-Ti-46	22-Ti-48 >>
<< MT28 (α,n+p)	MT45 (α,n+p+α) or MT5 (Sc44 production)	MT104 (α,d) >>



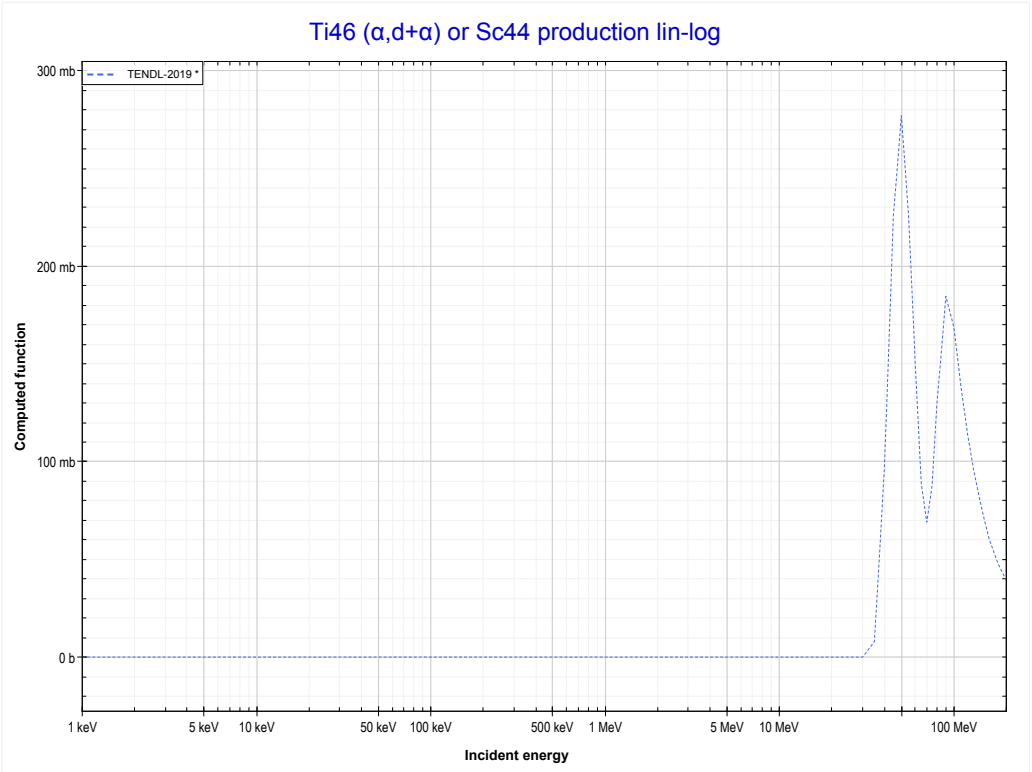
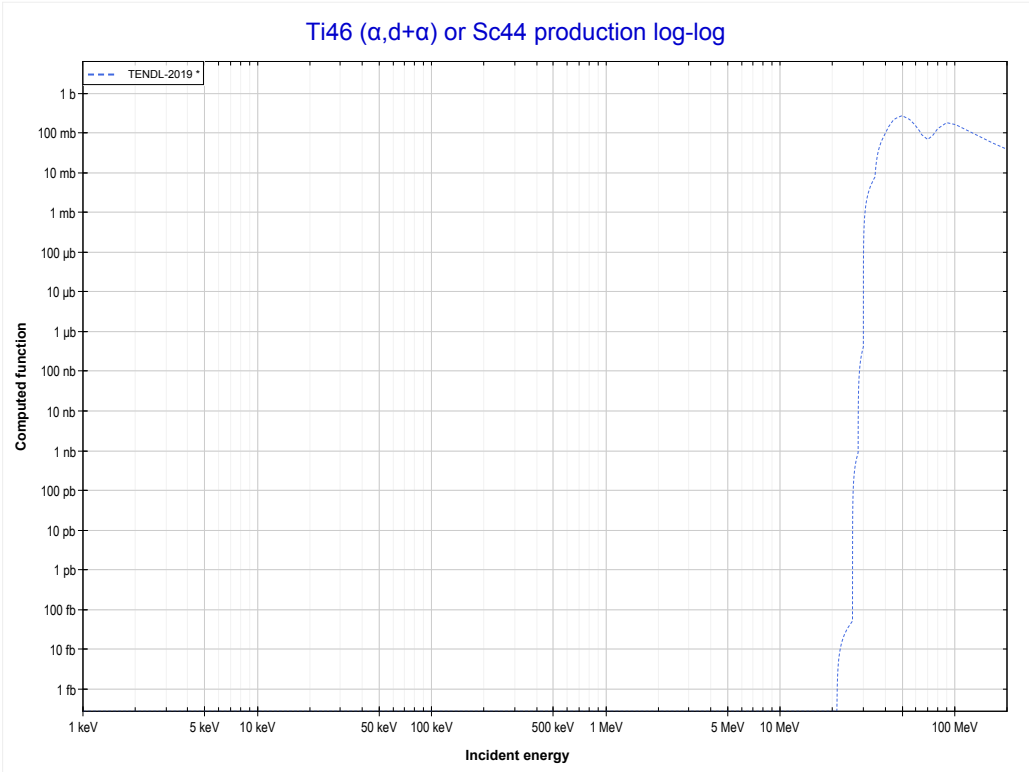
Reaction	Q-Value	Reaction	Q-Value
Ti46(α,d+α)Sc44	-19447.52 keV	Ti46(α,n+p+2d)Sc44	-45518.62 keV
Ti46(α,n+p+α)Sc44	-21672.09 keV	Ti46(α,2n+2p+d)Sc44	-47743.18 keV
Ti46(α,t+He3)Sc44	-33767.91 keV	Ti46(α,3n+3p)Sc44	-49967.75 keV
Ti46(α,p+d+t)Sc44	-39261.39 keV		
Ti46(α,n+d+He3)Sc44	-40025.14 keV		
Ti46(α,n+2p+t)Sc44	-41485.95 keV		
Ti46(α,2n+p+He3)Sc44	-42249.71 keV		
Ti46(α,3d)Sc44	-43294.05 keV		

<< 20-Ca-44	22-Ti-46	24-Cr-50 >>
<< MT45 (α ,n+p+ α)	MT104 (α ,d) or MT5 (V48 production)	MT117 (α ,d+ α) >>



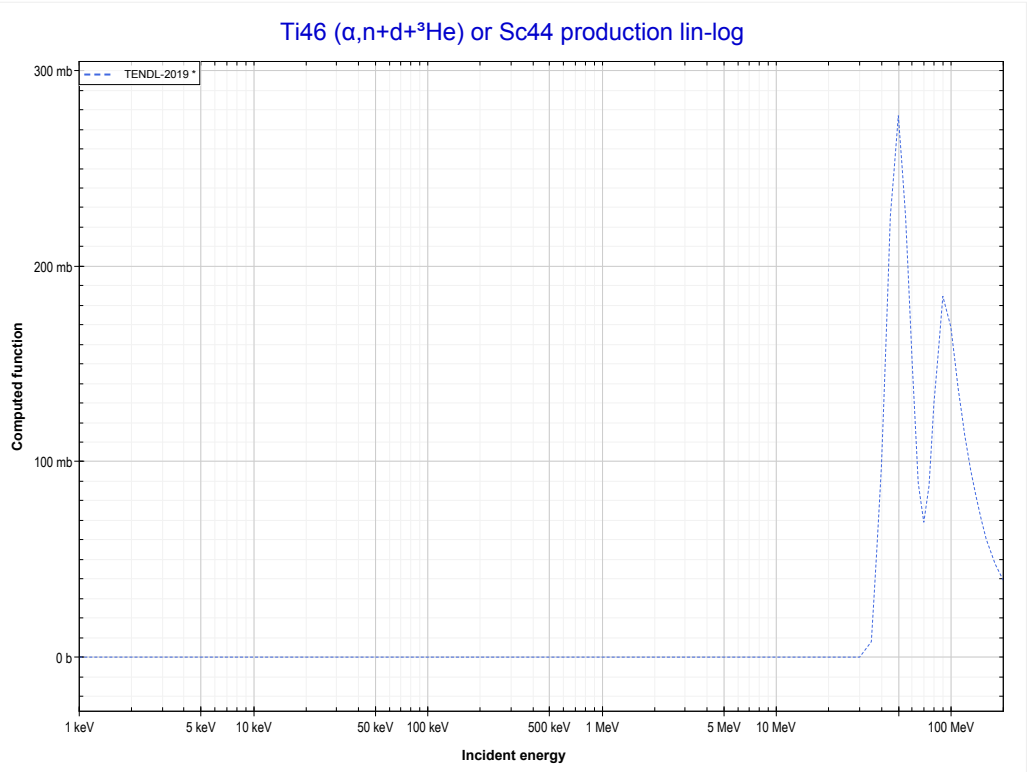
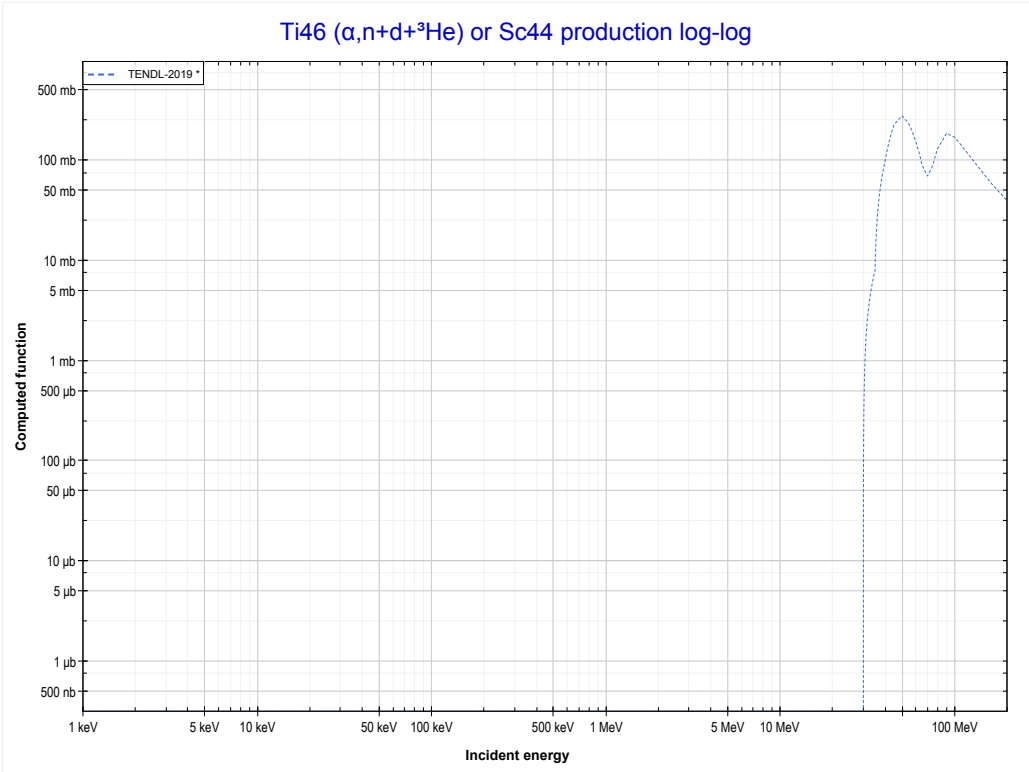
Reaction	Q-Value
Ti46(α ,d)V48	-10360.91 keV
Ti46(α ,n+p)V48	-12585.47 keV

<< 20-Ca-44	22-Ti-46	22-Ti-48 >>
<< MT104 (α,d)	MT117 (α,d+α) or MT5 (Sc44 production)	MT187 (α,n+d+ ³ He) >>



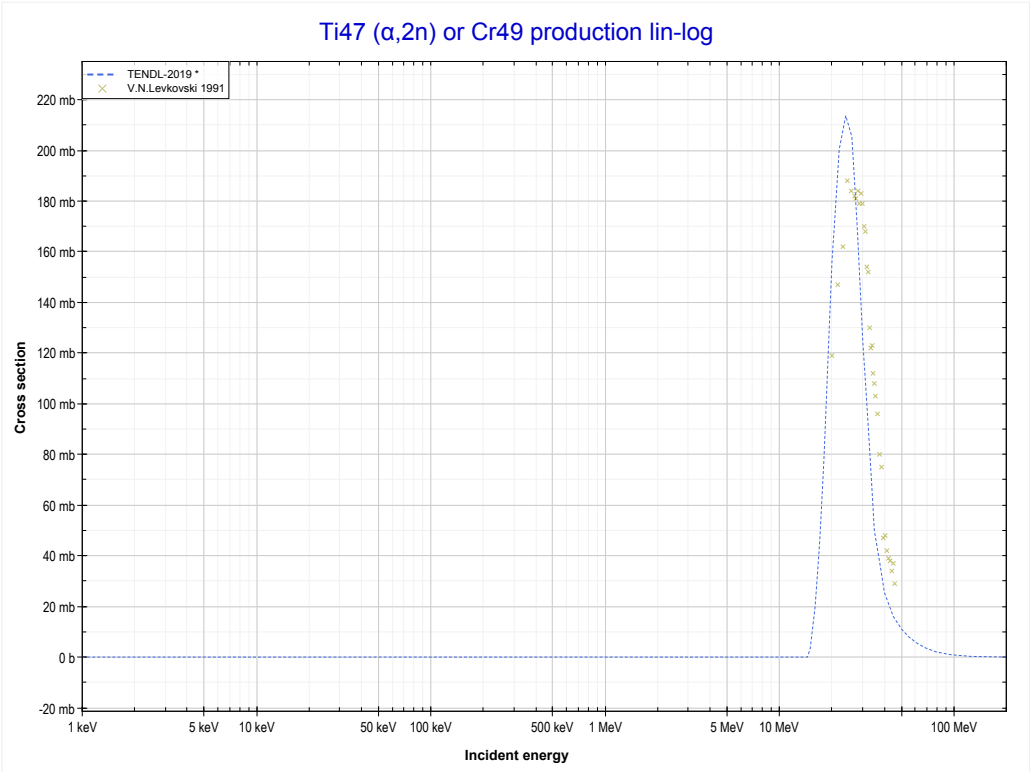
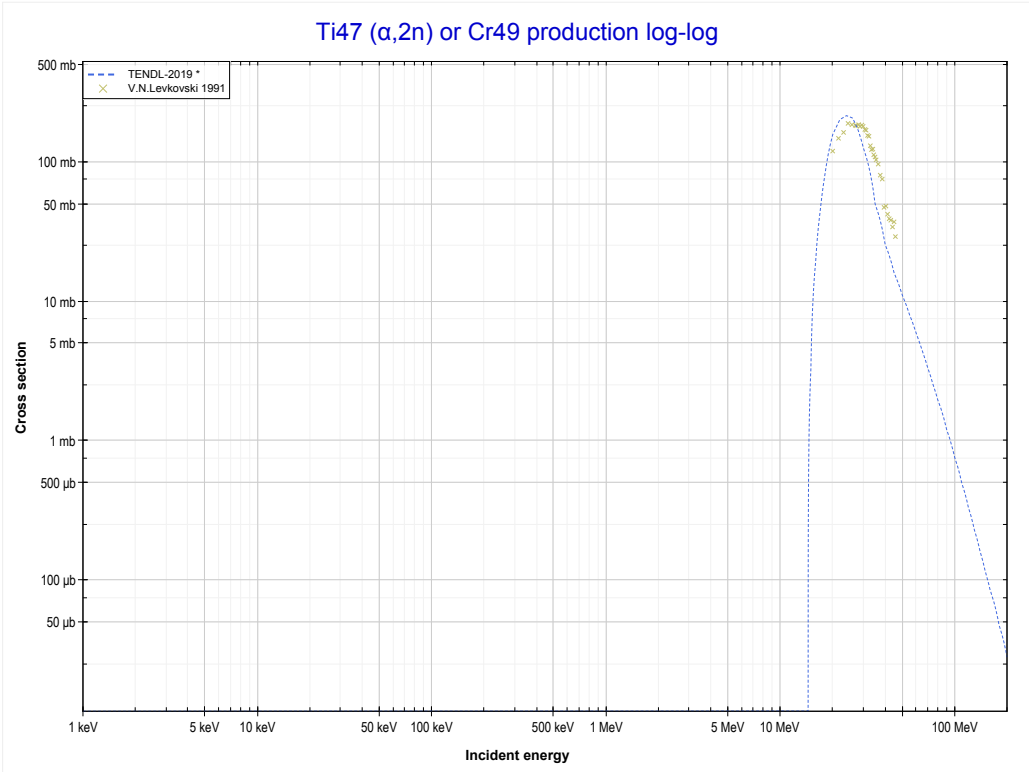
Reaction	Q-Value	Reaction	Q-Value
Ti46(α,d+α)Sc44	-19447.52 keV	Ti46(α,n+p+2d)Sc44	-45518.62 keV
Ti46(α,n+p+α)Sc44	-21672.09 keV	Ti46(α,2n+2p+d)Sc44	-47743.18 keV
Ti46(α,t+He3)Sc44	-33767.91 keV	Ti46(α,3n+3p)Sc44	-49967.75 keV
Ti46(α,p+d+t)Sc44	-39261.39 keV		
Ti46(α,n+d+He3)Sc44	-40025.14 keV		
Ti46(α,n+2p+t)Sc44	-41485.95 keV		
Ti46(α,2n+p+He3)Sc44	-42249.71 keV		
Ti46(α,3d)Sc44	-43294.05 keV		

<< 20-Ca-44	22-Ti-46	22-Ti-48 >>
<< MT117 (α ,d+ α)	MT187 (α ,n+d+ ^3He) or MT5 (Sc44 production)	22-Ti-47 MT16 (α ,2n) >>



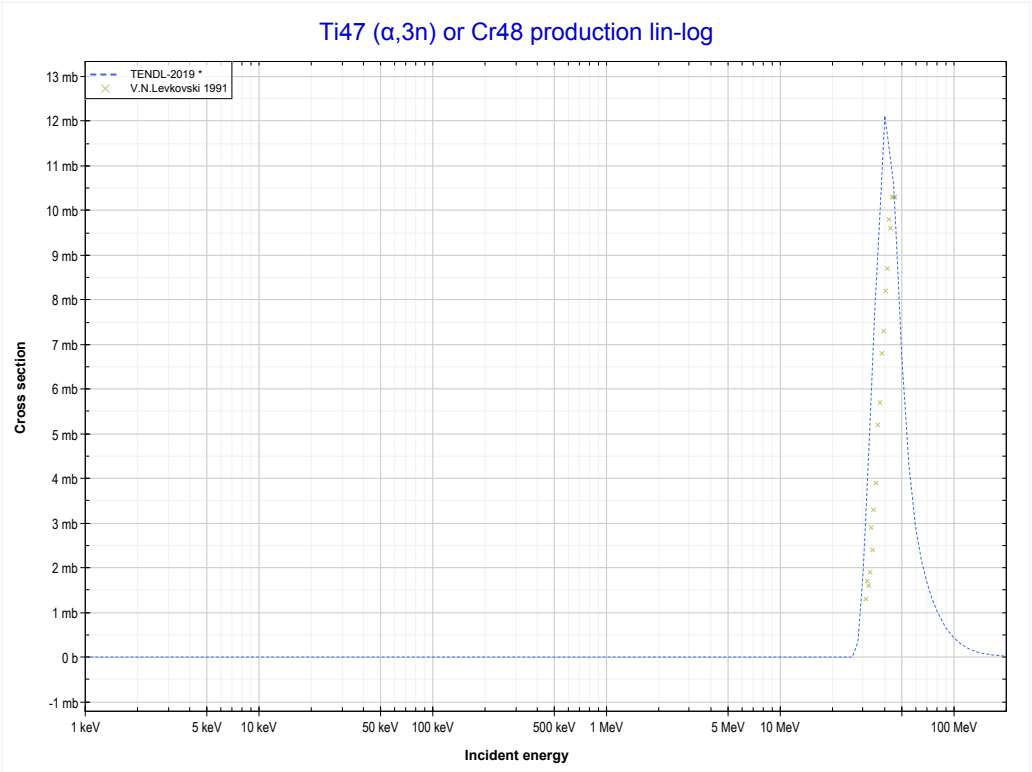
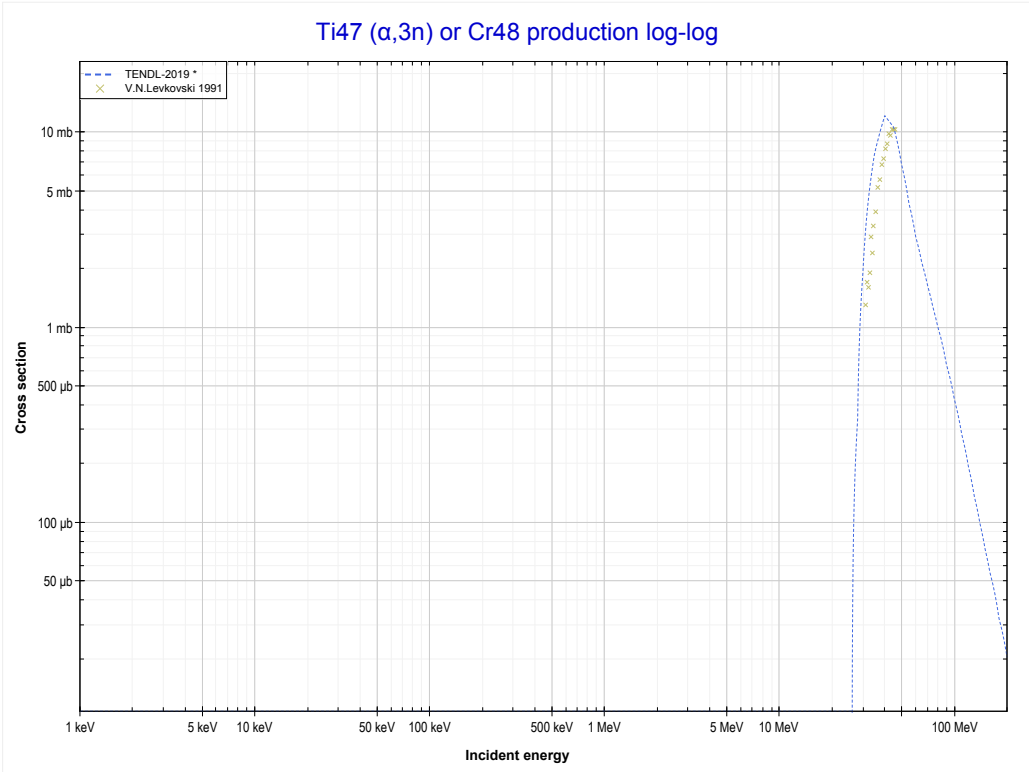
Reaction	Q-Value	Reaction	Q-Value
Ti46(α ,d+ α)Sc44	-19447.52 keV	Ti46(α ,n+p+2d)Sc44	-45518.62 keV
Ti46(α ,n+p+ α)Sc44	-21672.09 keV	Ti46(α ,2n+2p+d)Sc44	-47743.18 keV
Ti46(α ,t+He3)Sc44	-33767.91 keV	Ti46(α ,3n+3p)Sc44	-49967.75 keV
Ti46(α ,p+d+t)Sc44	-39261.39 keV		
Ti46(α ,n+d+He3)Sc44	-40025.14 keV		
Ti46(α ,n+2p+t)Sc44	-41485.95 keV		
Ti46(α ,2n+p+He3)Sc44	-42249.71 keV		
Ti46(α ,3d)Sc44	-43294.05 keV		

<< 22-Ti-46	22-Ti-47	22-Ti-49 >>
<< 22-Ti-46 MT187 ($\alpha,n+d+^3\text{He}$)	MT16 ($\alpha,2n$) or MT5 (Cr49 production)	MT17 ($\alpha,3n$) >>



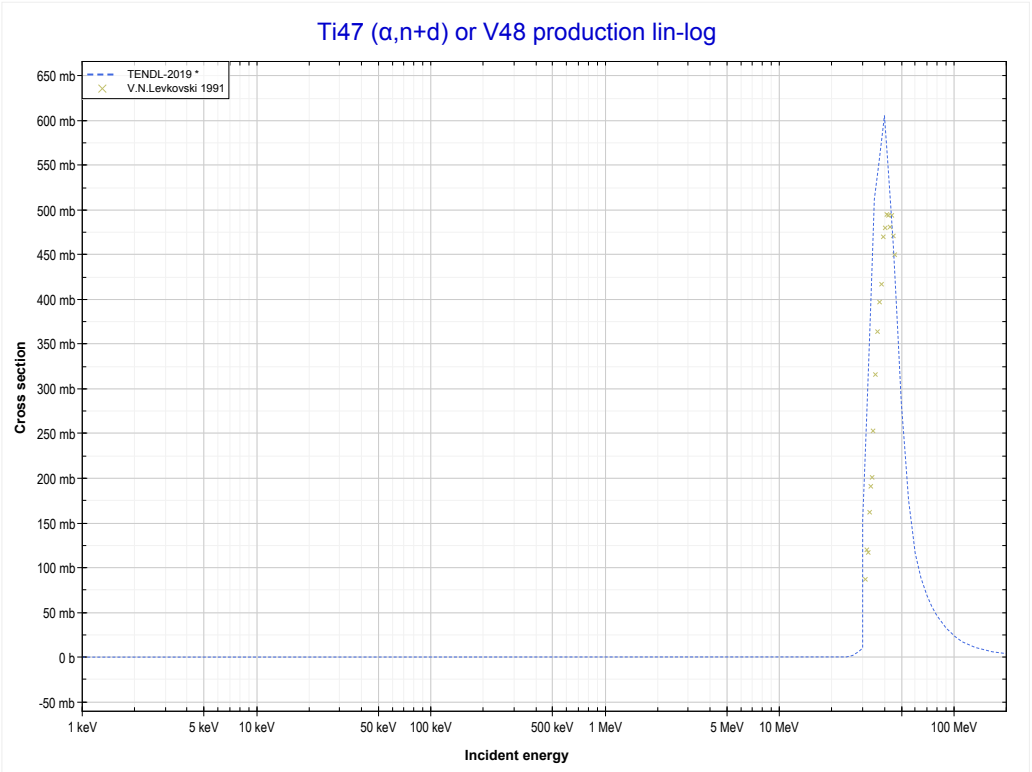
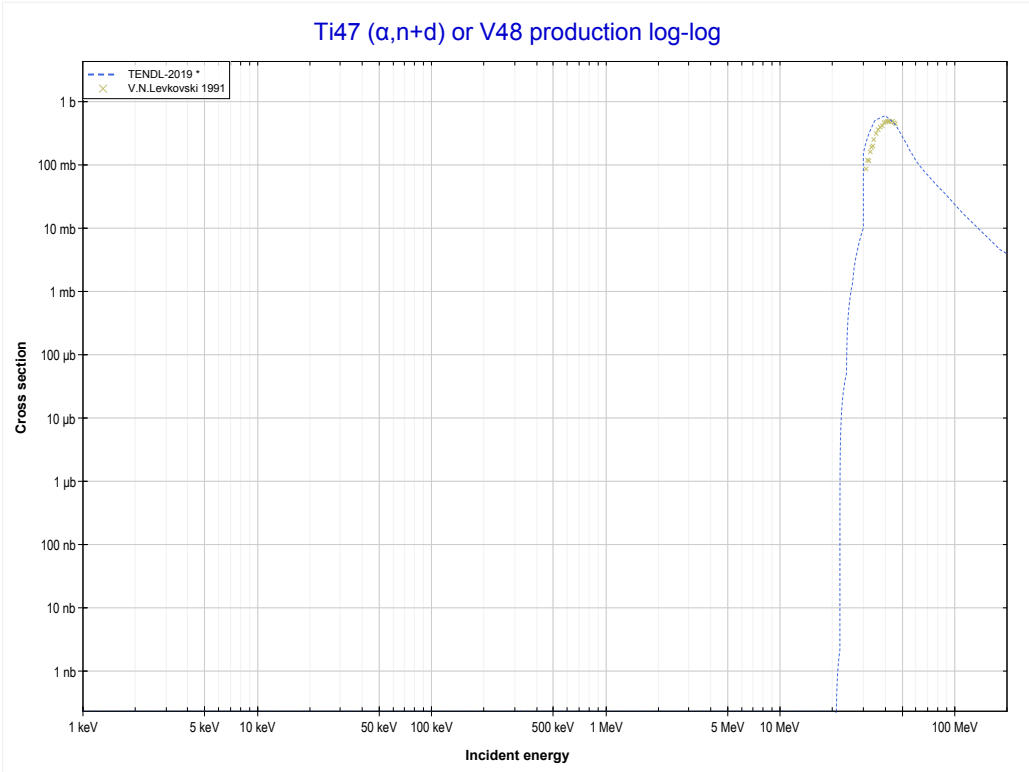
Reaction	Q-Value
Ti47($\alpha,2n$)Cr49	-13321.98 keV

	22-Ti-47	22-Ti-48 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Cr48 production)	MT32 ($\alpha,n+d$) >>



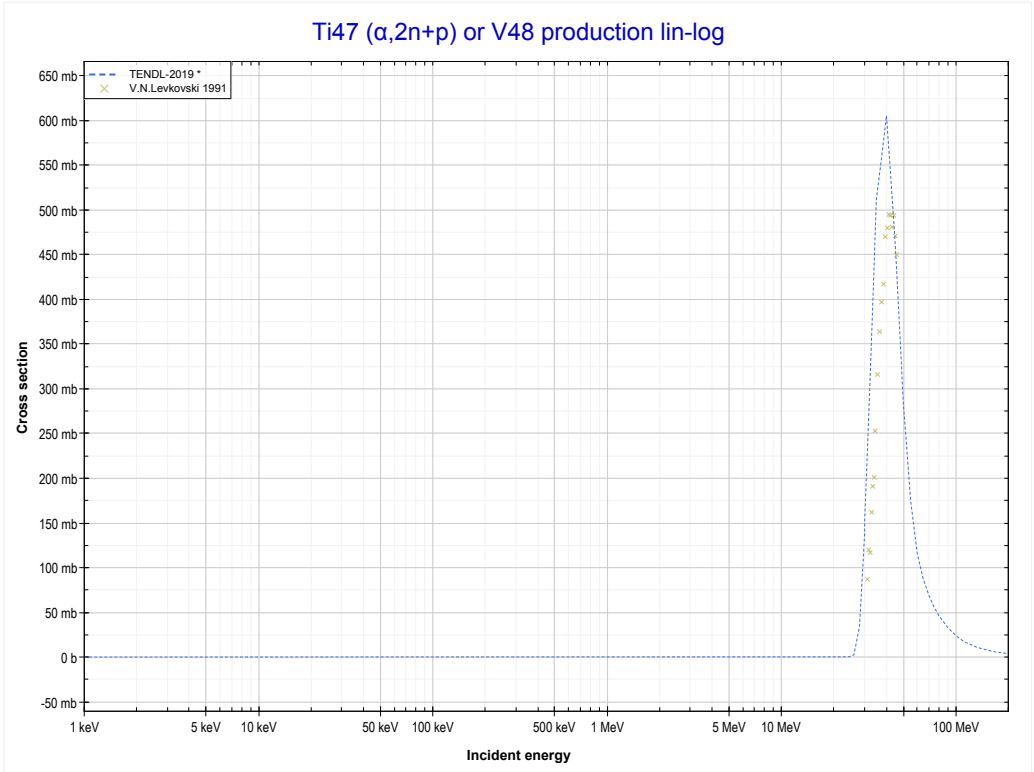
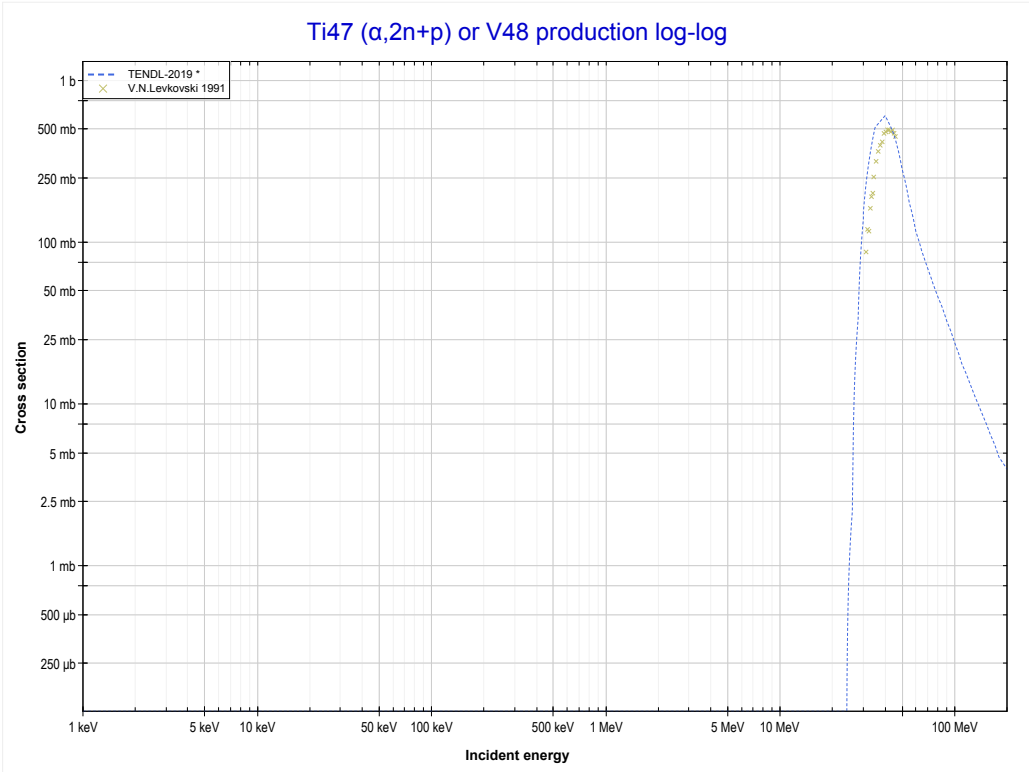
Reaction	Q-Value
Ti47($\alpha,3n$)Cr48	-23904.40 keV

<< 20-Ca-43	22-Ti-47	24-Cr-53 >>
<< MT17 ($\alpha,3n$)	MT32 ($\alpha,n+d$) or MT5 (V48 production)	MT41 ($\alpha,2n+p$) >>



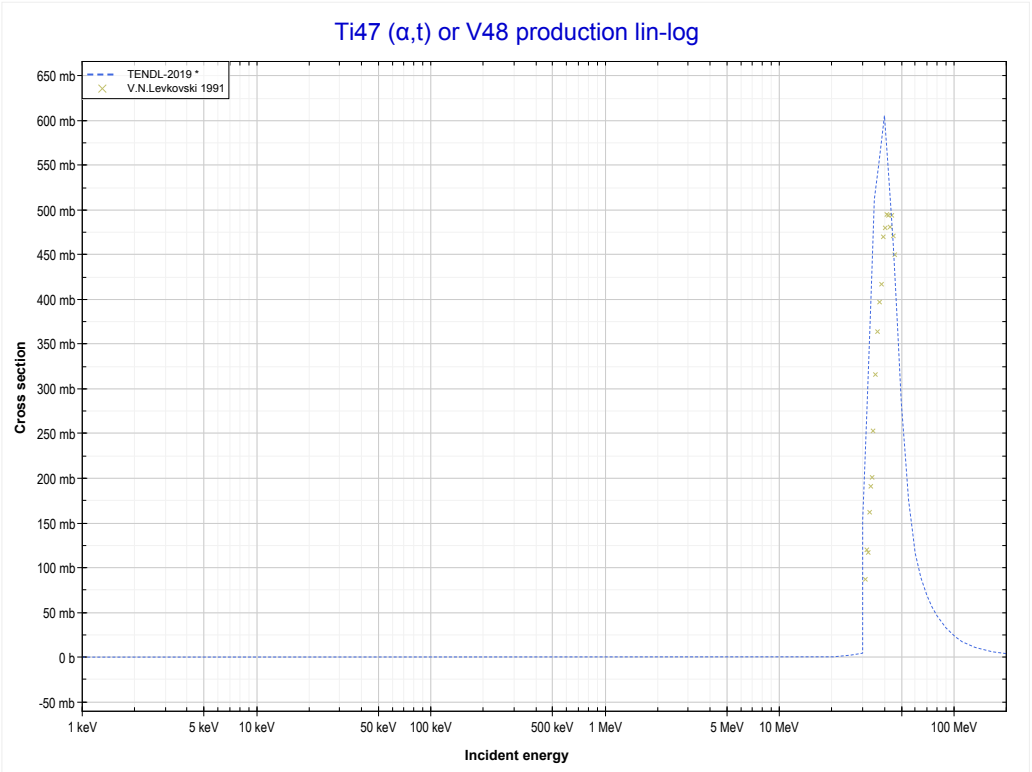
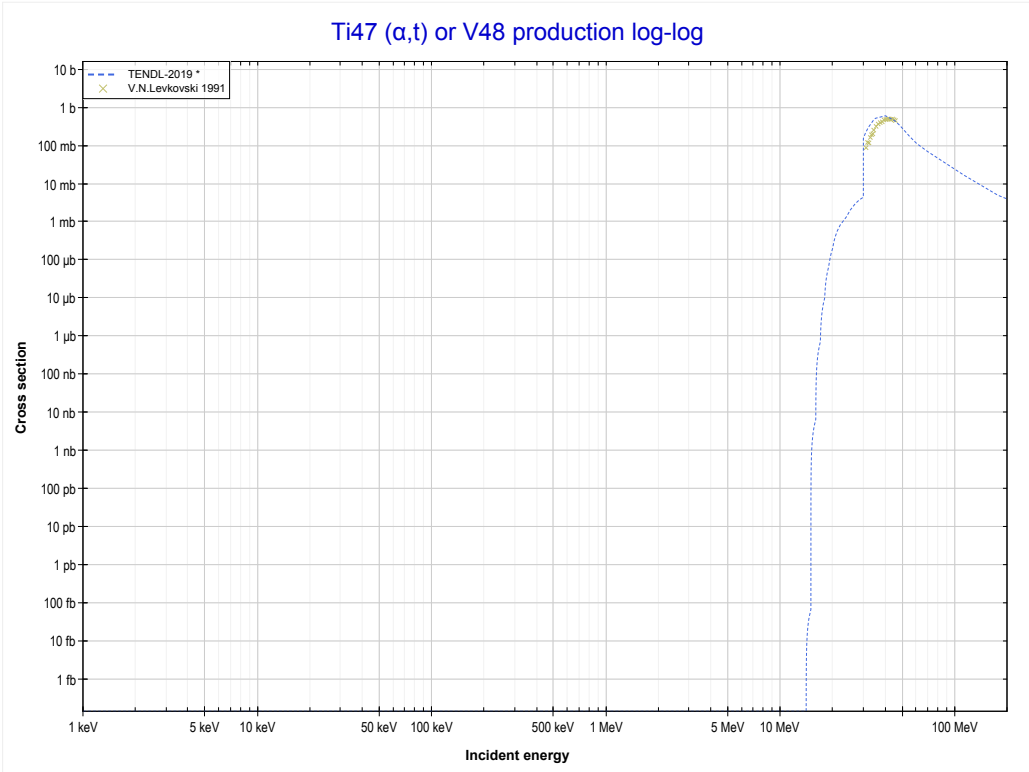
Reaction	Q-Value
Ti47(α,t)V48	-12984.55 keV
Ti47($\alpha,n+d$)V48	-19241.78 keV
Ti47($\alpha,2n+p$)V48	-21466.35 keV

<< 20-Ca-48	22-Ti-47	24-Cr-53 >>
<< MT32 (α ,n+d)	MT41 (α ,2n+p) or MT5 (V48 production)	MT105 (α ,t) >>



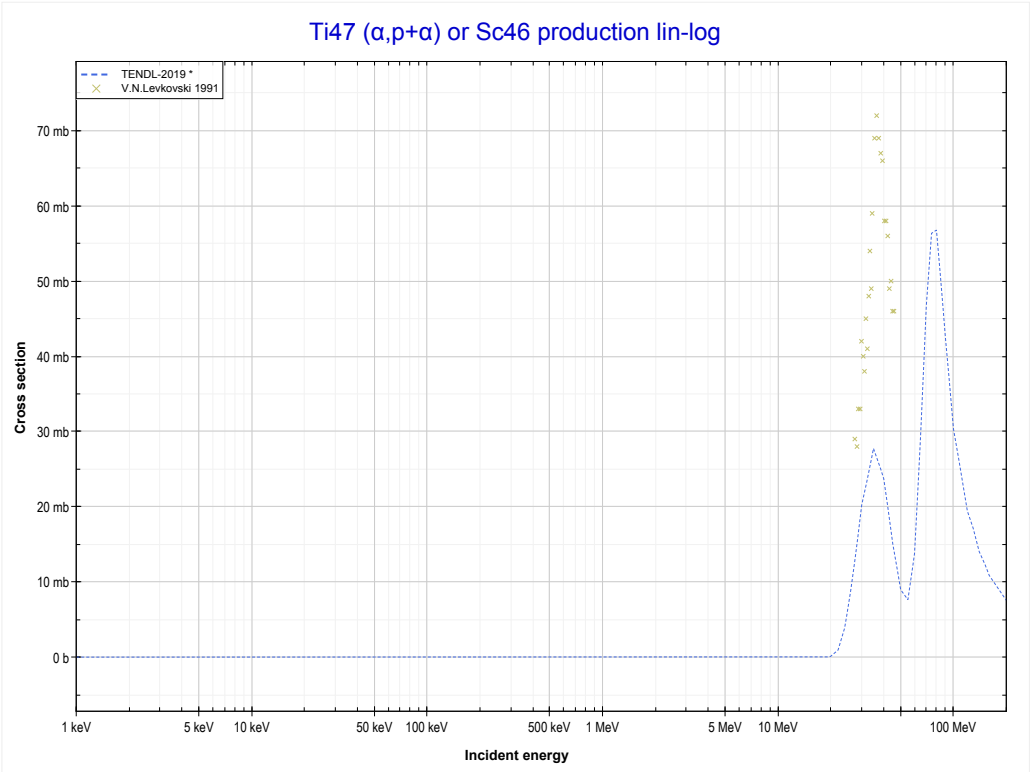
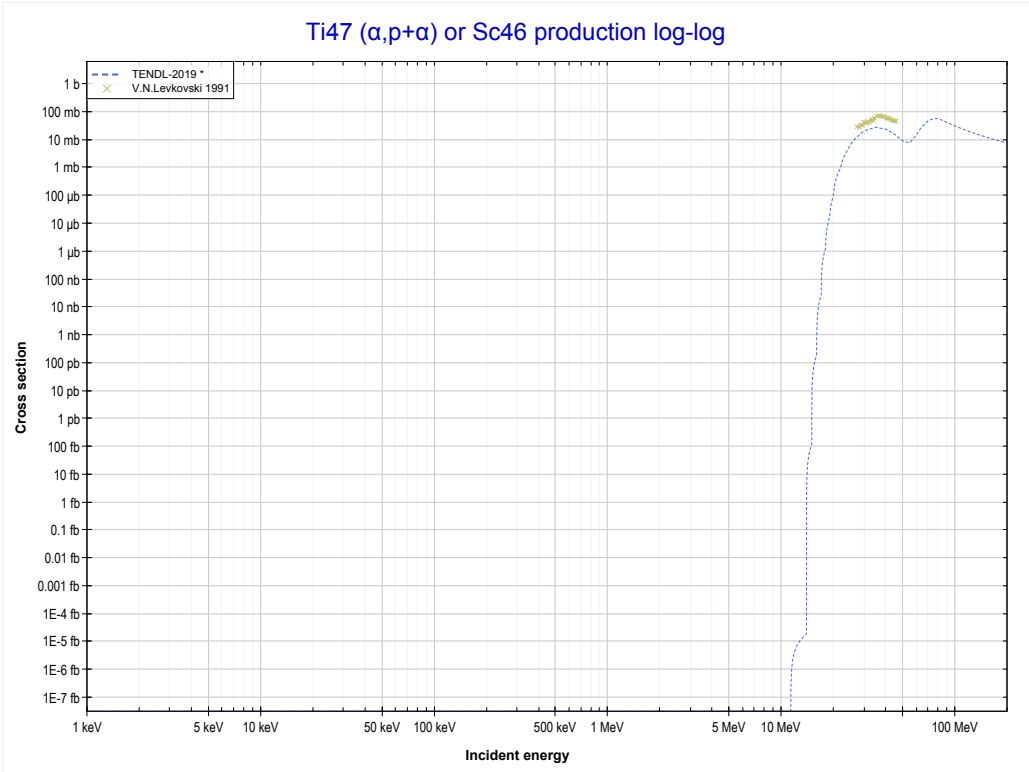
Reaction	Q-Value
Ti47(α ,t)V48	-12984.55 keV
Ti47(α ,n+d)V48	-19241.78 keV
Ti47(α ,2n+p)V48	-21466.35 keV

<< 20-Ca-43	22-Ti-47	24-Cr-53 >>
<< MT41 ($\alpha,2n+p$)	MT105 (α,t) or MT5 (V48 production)	MT112 ($\alpha,p+\alpha$) >>



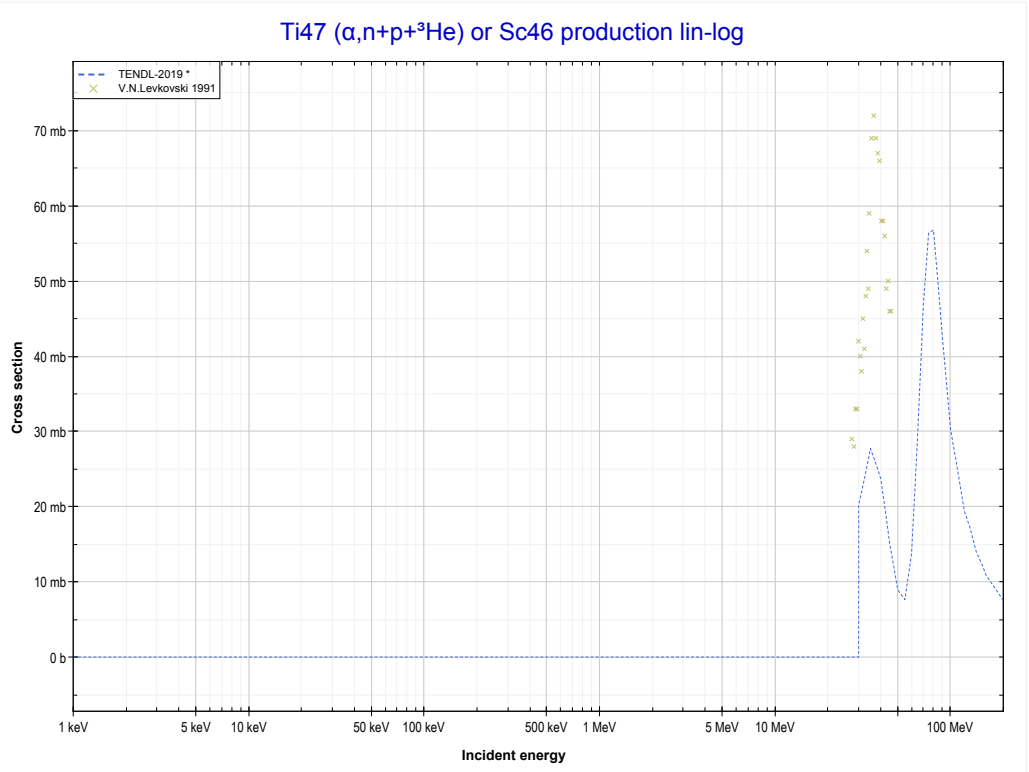
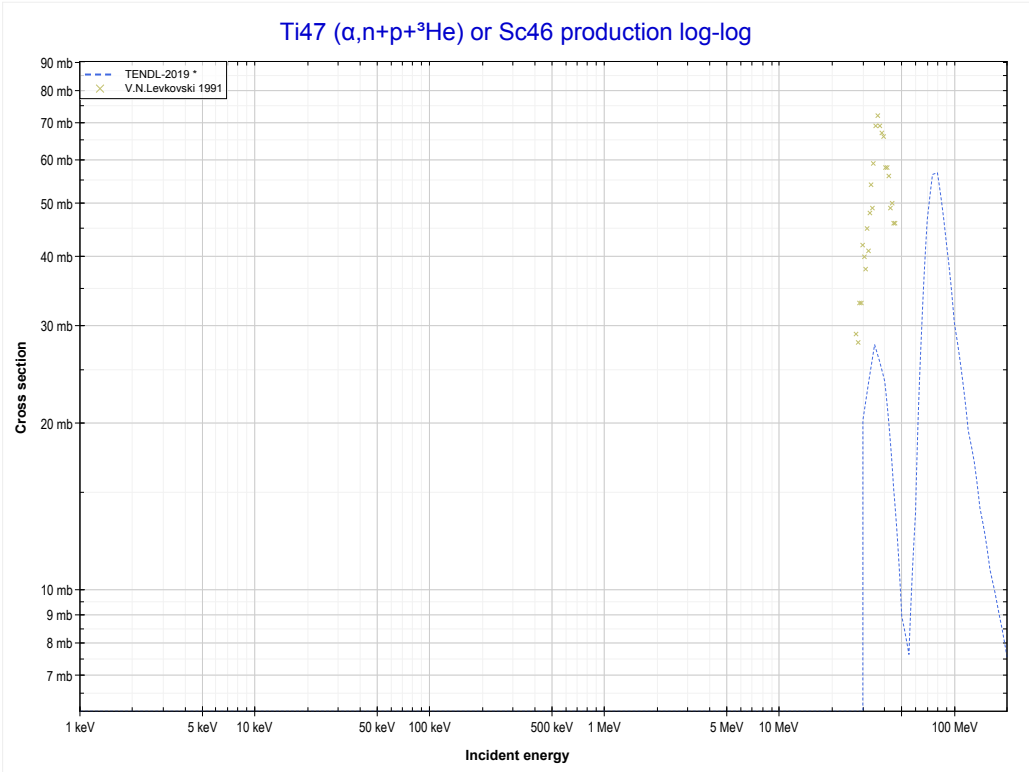
Reaction	Q-Value
Ti47(α,t)V48	-12984.55 keV
Ti47($\alpha,n+d$)V48	-19241.78 keV
Ti47($\alpha,2n+p$)V48	-21466.35 keV

<< 20-Ca-44	22-Ti-47	22-Ti-48 >>
<< MT105 (α,t)	MT112 (α,p+α) or MT5 (Sc46 production)	MT186 (α,n+p+ ³ He) >>



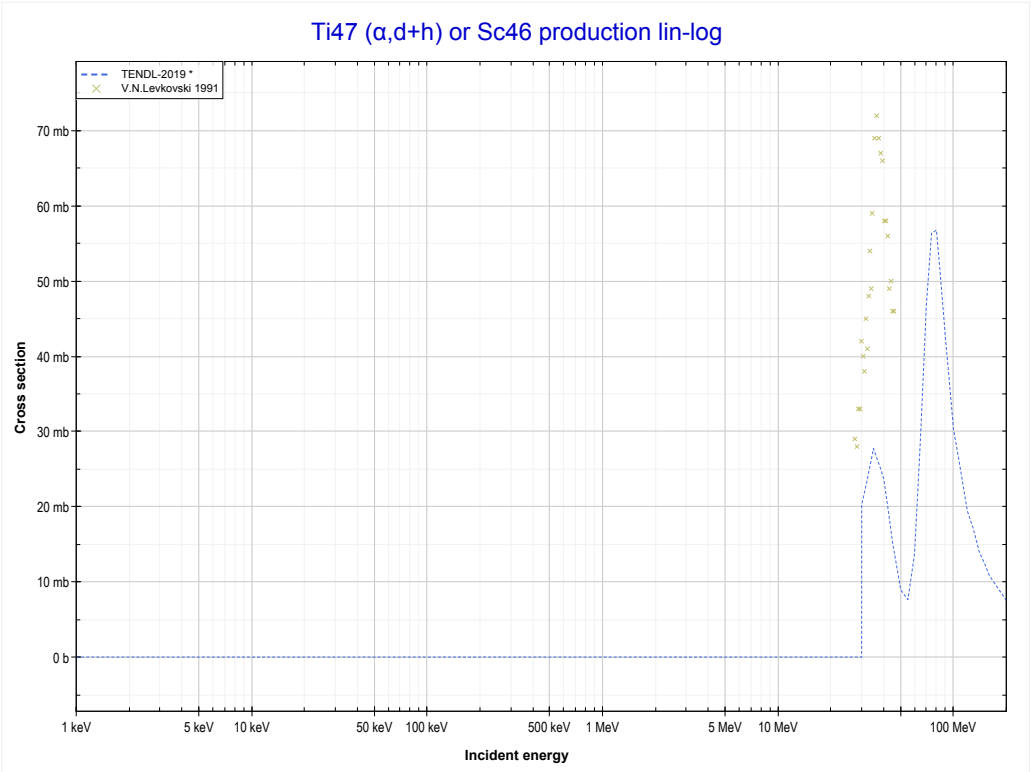
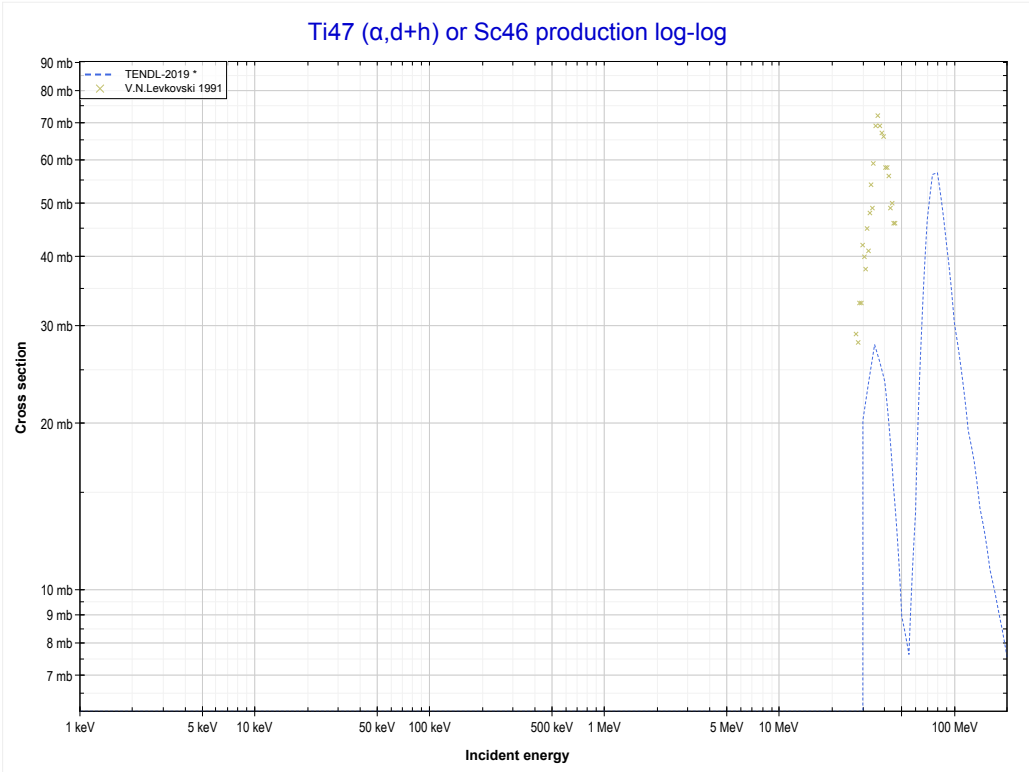
Reaction	Q-Value
Ti47(α,p+α)Sc46	-10465.13 keV
Ti47(α,d+He3)Sc46	-28818.18 keV
Ti47(α,2p+t)Sc46	-30279.00 keV
Ti47(α,n+p+He3)Sc46	-31042.75 keV
Ti47(α,p+2d)Sc46	-34311.66 keV
Ti47(α,n+2p+d)Sc46	-36536.22 keV
Ti47(α,2n+3p)Sc46	-38760.79 keV

<< 20-Ca-44	22-Ti-47	22-Ti-48 >>
<< MT112 (α ,p+ α)	MT186 (α ,n+p+ ^3He) or MT5 (Sc46 production)	MT192 (α ,d+ ^3He) >>



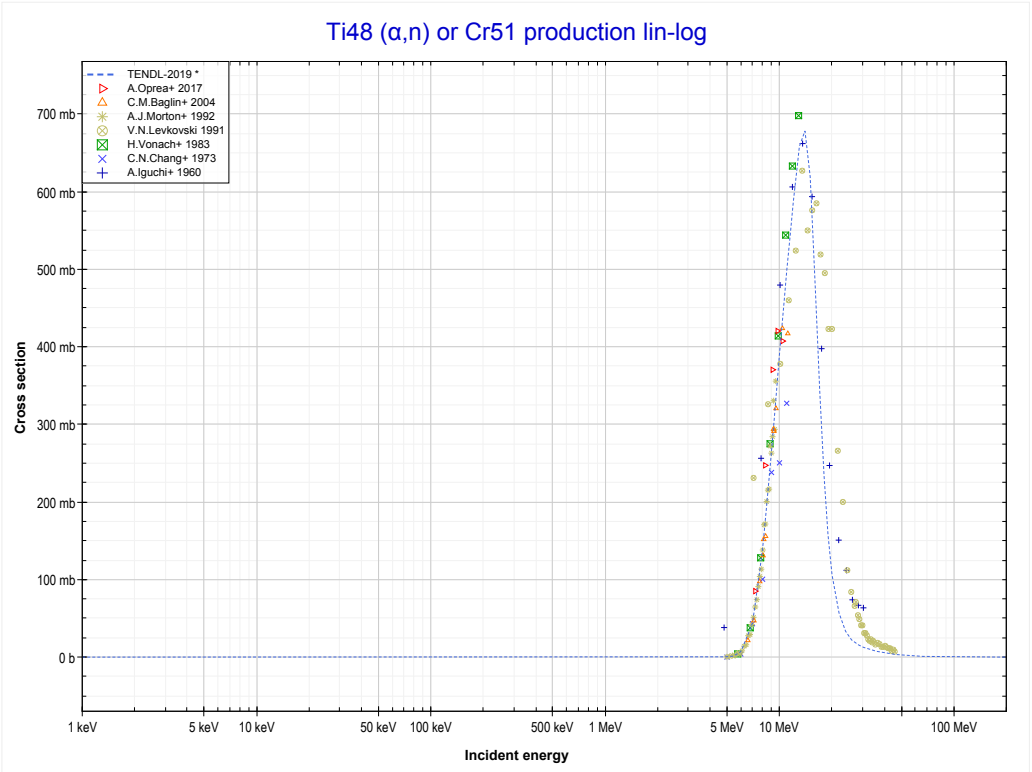
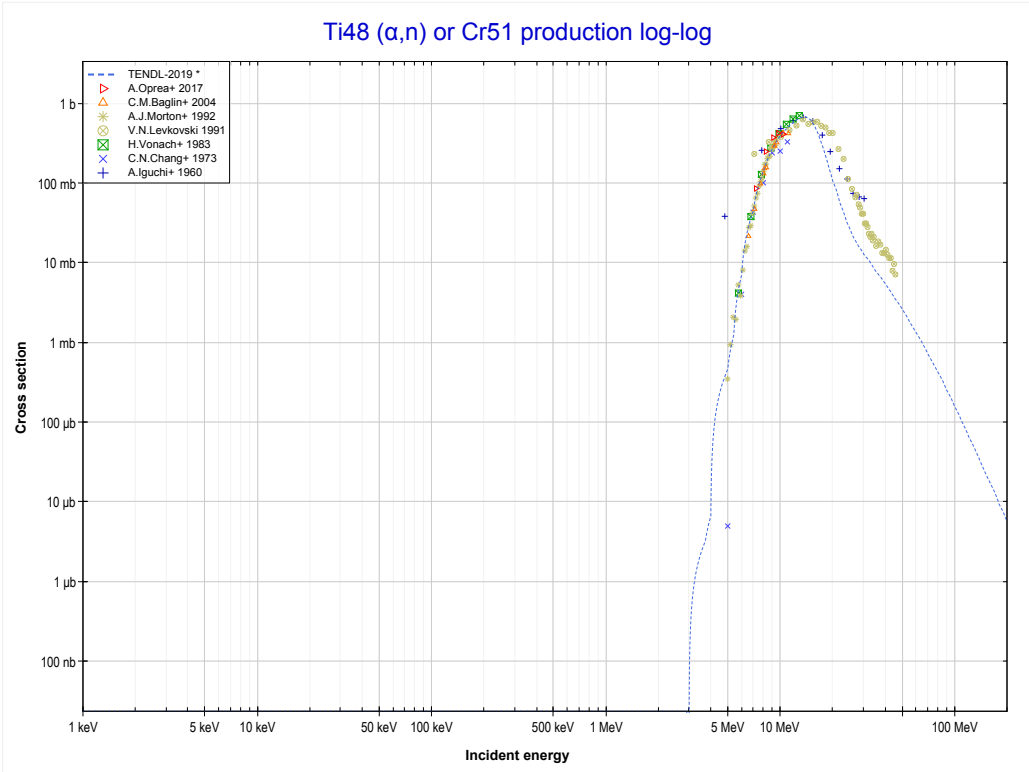
Reaction	Q-Value
Ti47(α ,p+ α)Sc46	-10465.13 keV
Ti47(α ,d+He3)Sc46	-28818.18 keV
Ti47(α ,2p+t)Sc46	-30279.00 keV
Ti47(α ,n+p+He3)Sc46	-31042.75 keV
Ti47(α ,p+2d)Sc46	-34311.66 keV
Ti47(α ,n+2p+d)Sc46	-36536.22 keV
Ti47(α ,2n+3p)Sc46	-38760.79 keV

<< 20-Ca-44	22-Ti-47	22-Ti-48 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT192 ($\alpha,d+^3\text{He}$) or MT5 (Sc46 production)	22-Ti-48 MT4 (α,n) >>



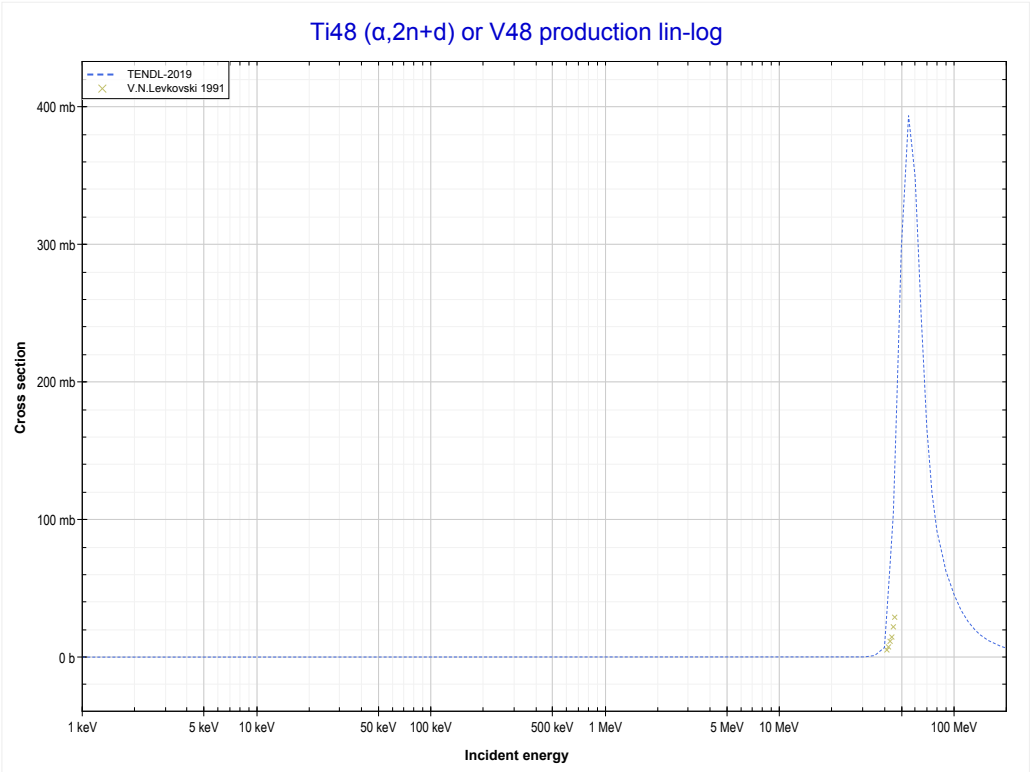
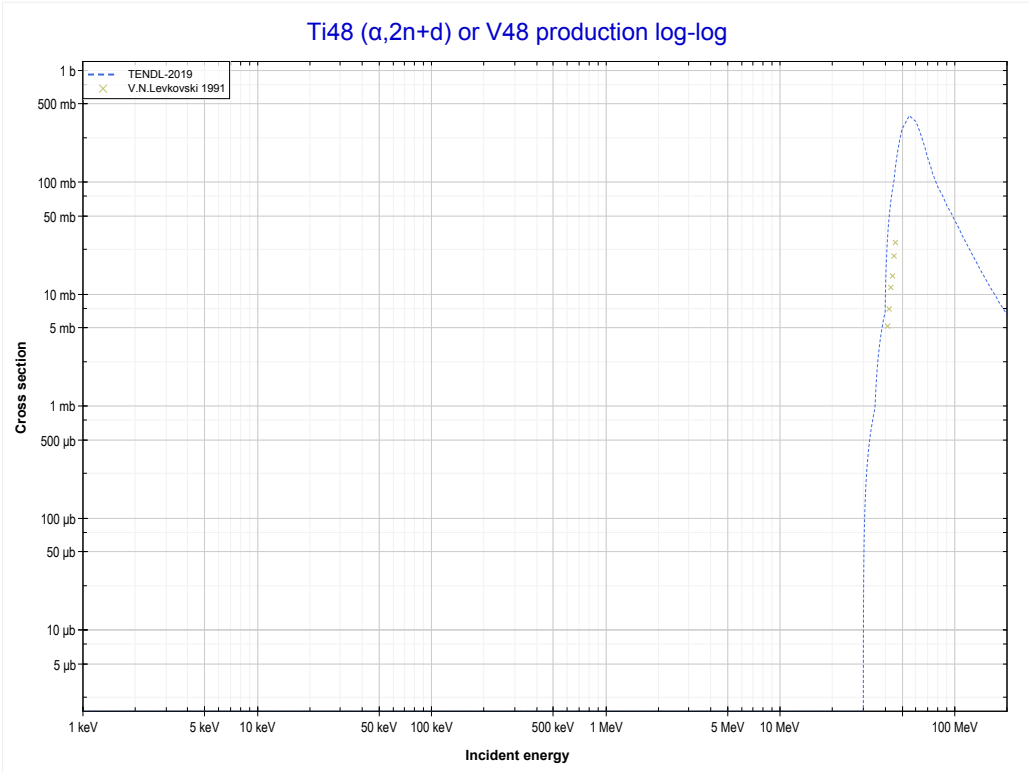
Reaction	Q-Value
Ti47($\alpha,p+\alpha$)Sc46	-10465.13 keV
Ti47($\alpha,d+\text{He3}$)Sc46	-28818.18 keV
Ti47($\alpha,2p+t$)Sc46	-30279.00 keV
Ti47($\alpha,n+p+\text{He3}$)Sc46	-31042.75 keV
Ti47($\alpha,p+2d$)Sc46	-34311.66 keV
Ti47($\alpha,n+2p+d$)Sc46	-36536.22 keV
Ti47($\alpha,2n+3p$)Sc46	-38760.79 keV

<< 22-Ti-46	22-Ti-48	23-V-51 >>
<< 22-Ti-47 MT192 (α ,d+ ^{3} He)	MT4 (α ,n) or MT5 (Cr51 production)	MT11 (α ,2n+d) >>



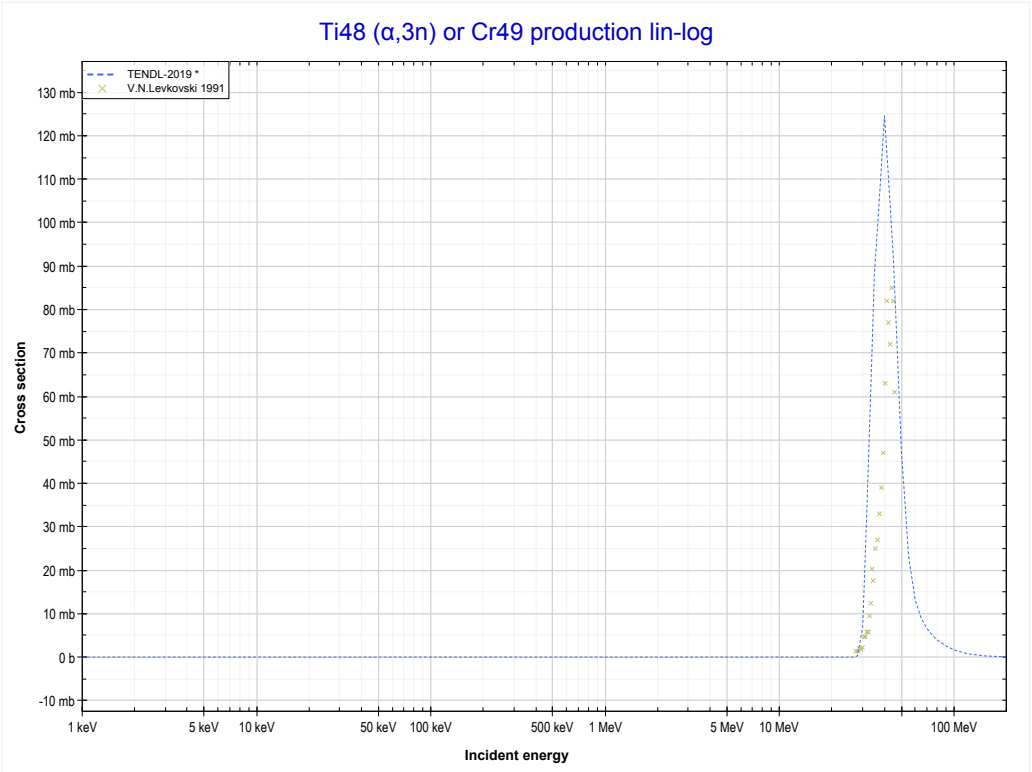
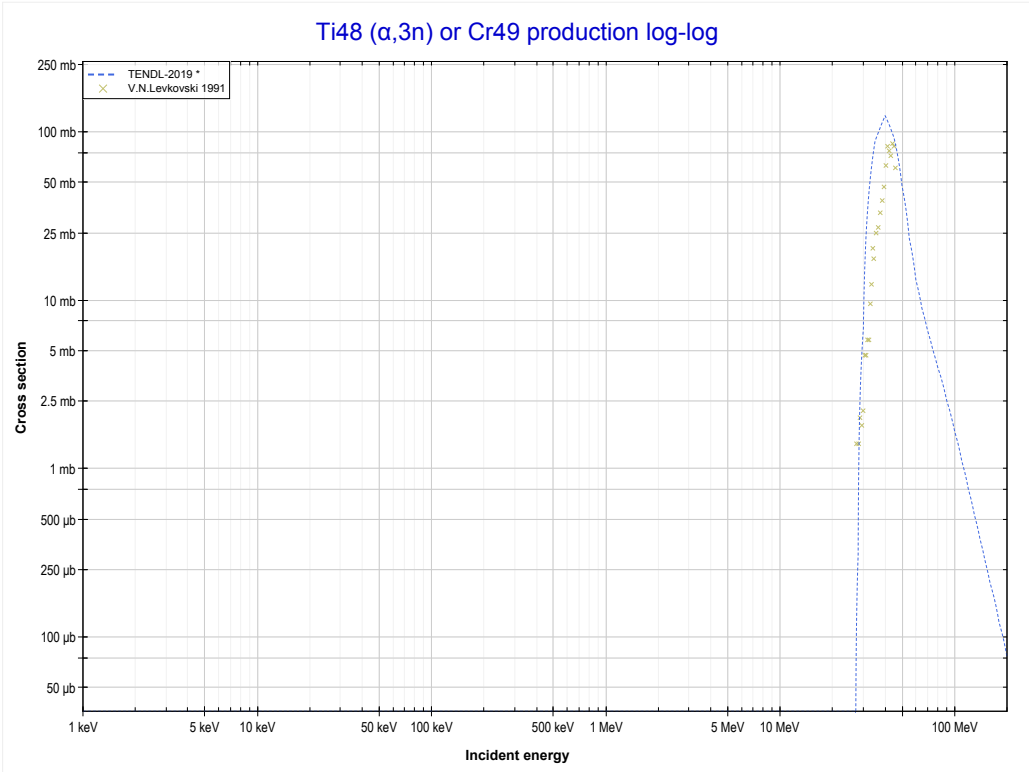
Reaction	Q-Value
Ti48(α ,n)Cr51	-2687.71 keV

<< 20-Ca-44	22-Ti-48	23-V-51 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (V48 production)	MT17 (α,3n) >>



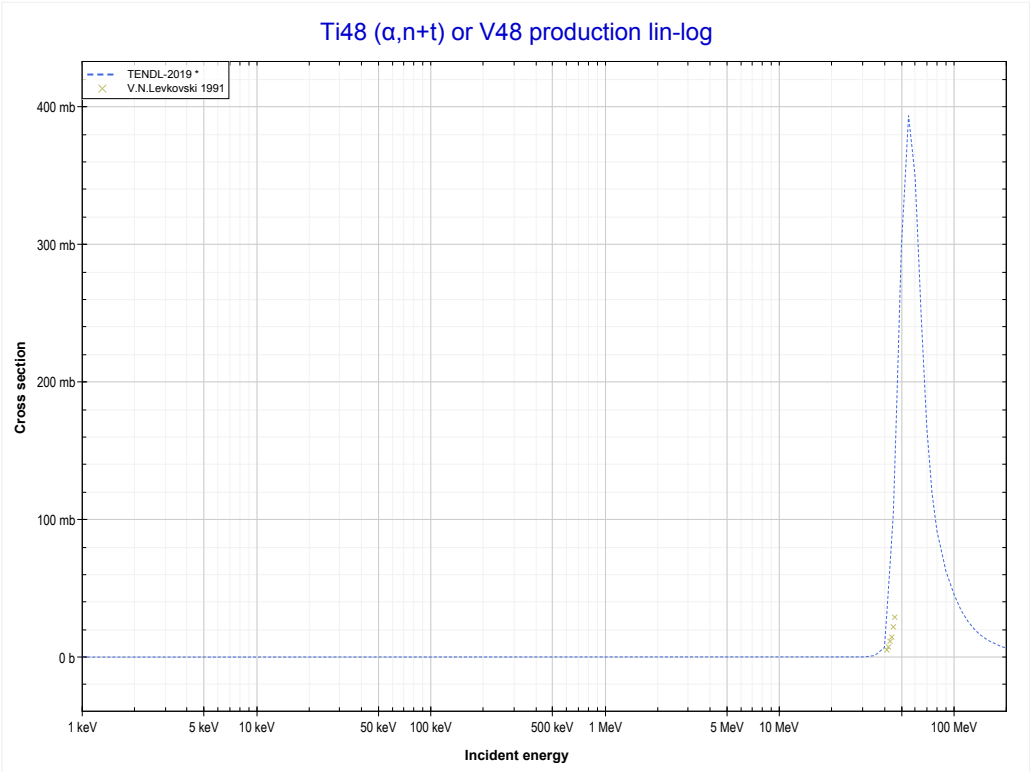
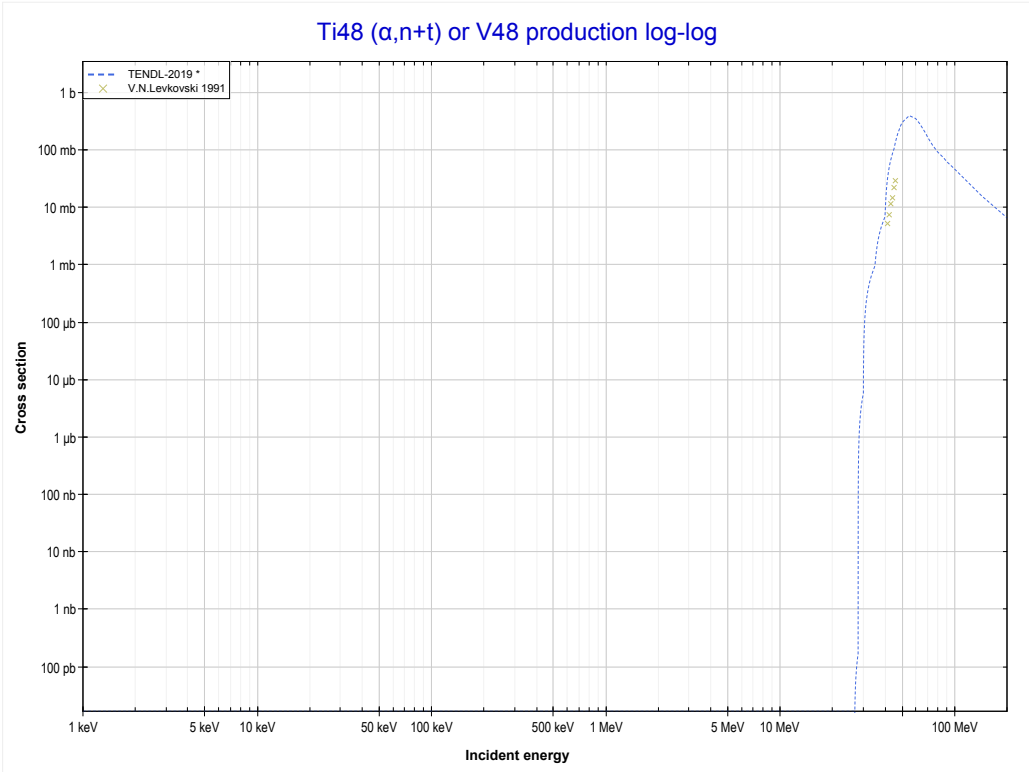
Reaction	Q-Value
Ti48(α,n+t)V48	-24611.22 keV
Ti48(α,2n+d)V48	-30868.45 keV
Ti48(α,3n+p)V48	-33093.02 keV

<< 22-Ti-47	22-Ti-48	23-V-51 >>
<< MT11 ($\alpha,2n+d$)	MT17 ($\alpha,3n$) or MT5 (Cr49 production)	MT33 ($\alpha,n+t$) >>



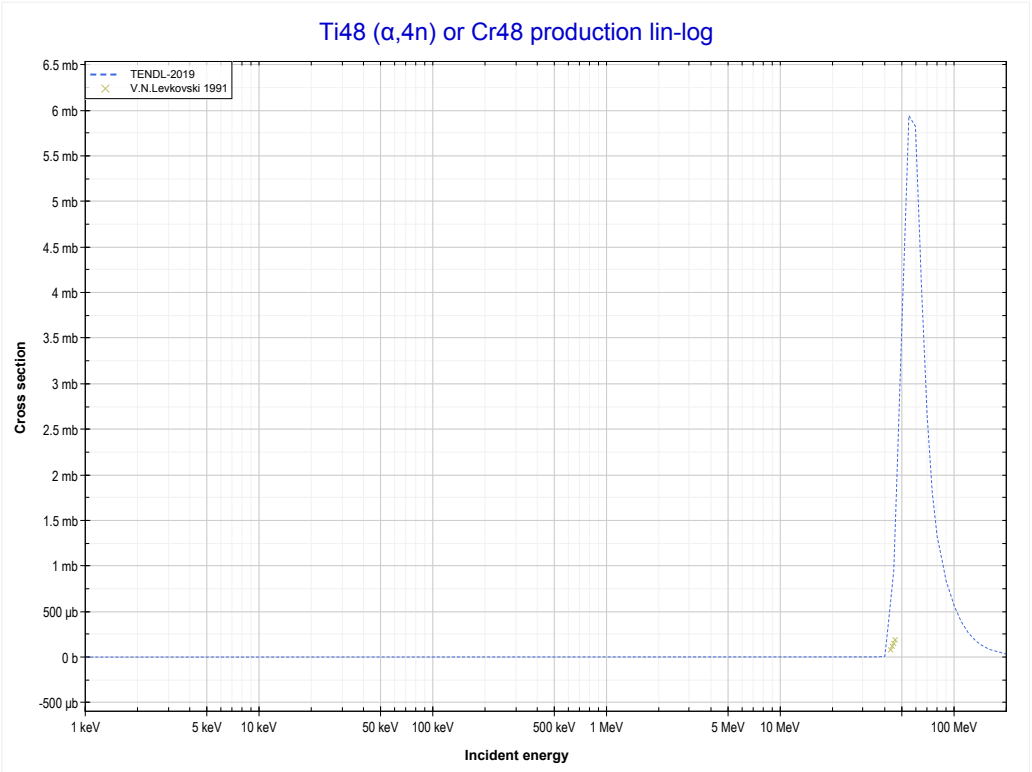
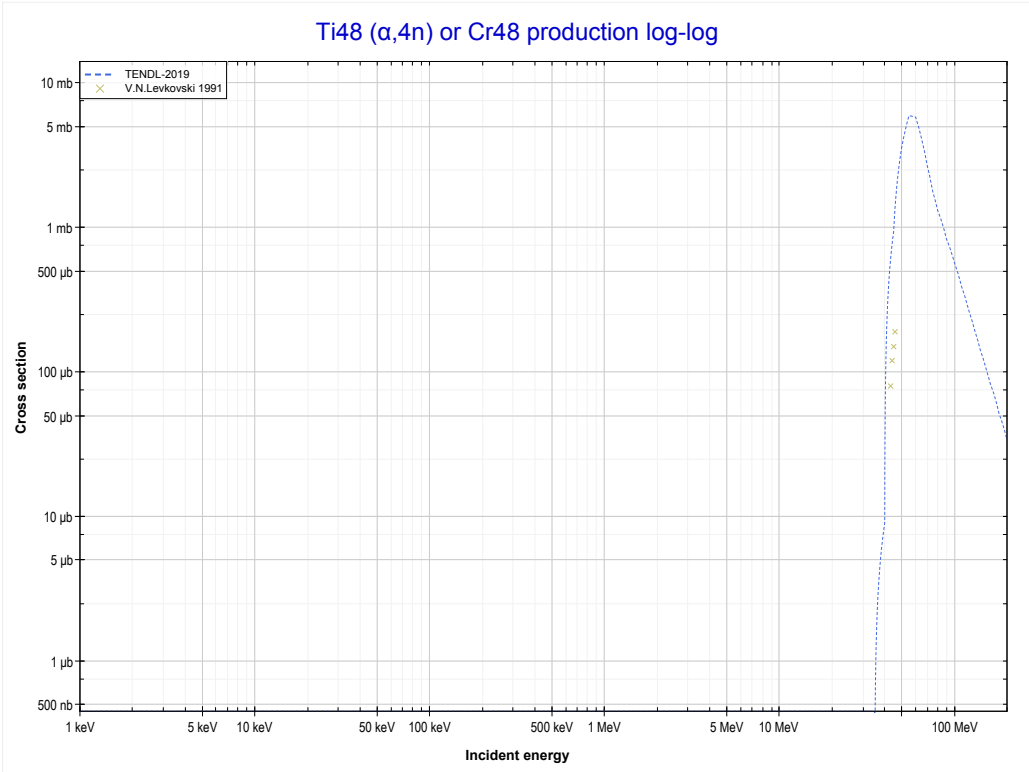
Reaction	Q-Value
Ti48($\alpha,3n$)Cr49	-24948.65 keV

<< 20-Ca-44	22-Ti-48	23-V-51 >>
<< MT17 ($\alpha,3n$)	MT33 ($\alpha,n+t$) or MT5 (V48 production)	MT37 ($\alpha,4n$) >>



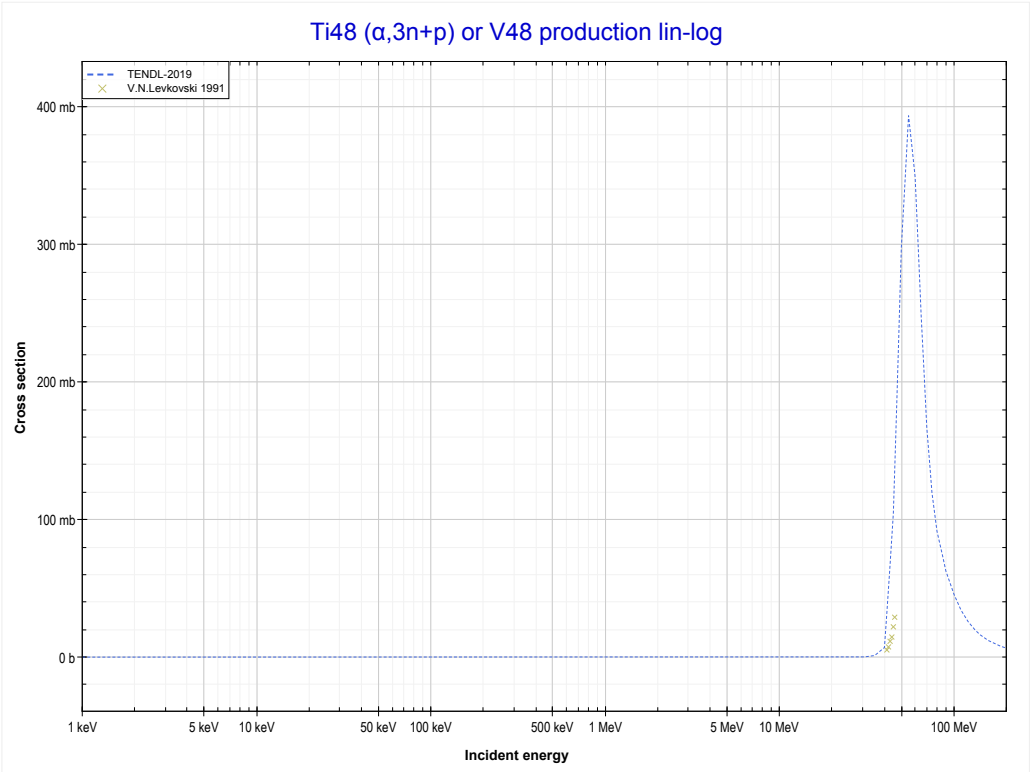
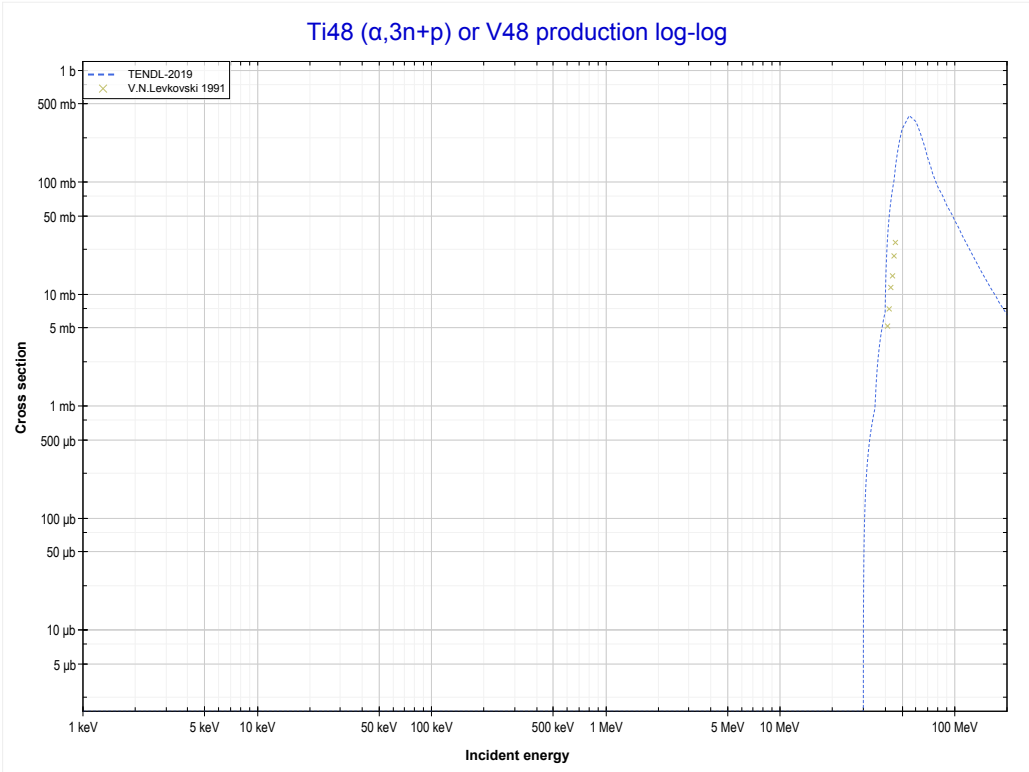
Reaction	Q-Value
Ti48($\alpha,n+t$)V48	-24611.22 keV
Ti48($\alpha,2n+d$)V48	-30868.45 keV
Ti48($\alpha,3n+p$)V48	-33093.02 keV

	22-Ti-48	25-Mn-55 >>
<< MT33 (α,n+t)	MT37 (α,4n) or MT5 (Cr48 production)	MT42 (α,3n+p) >>



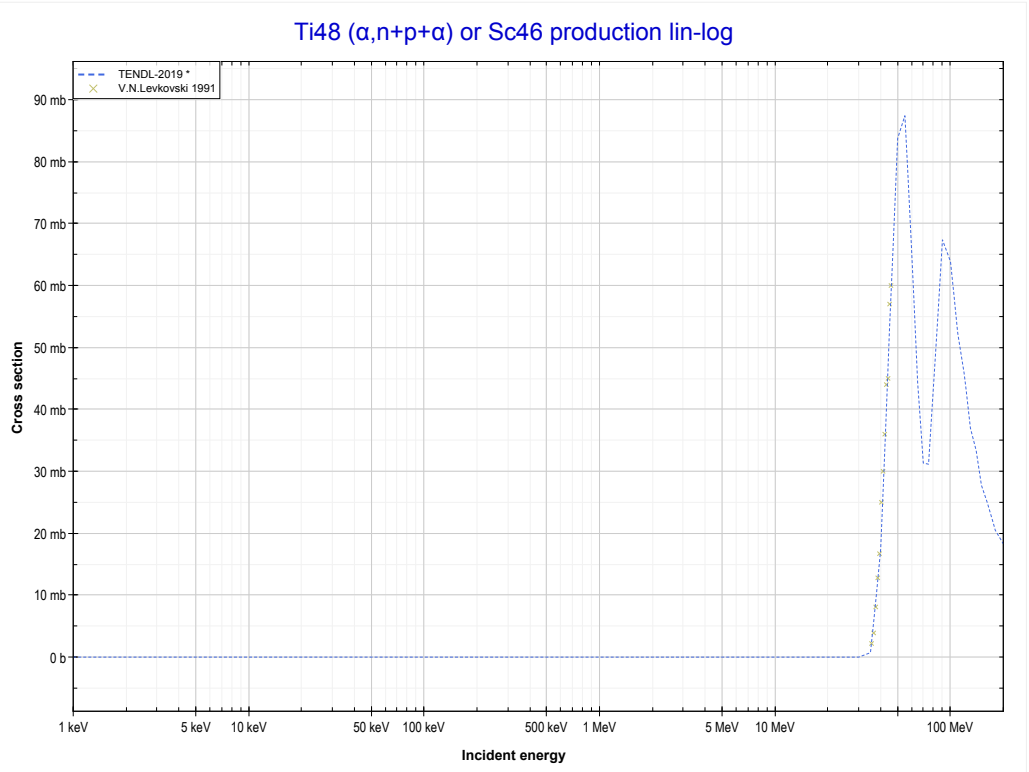
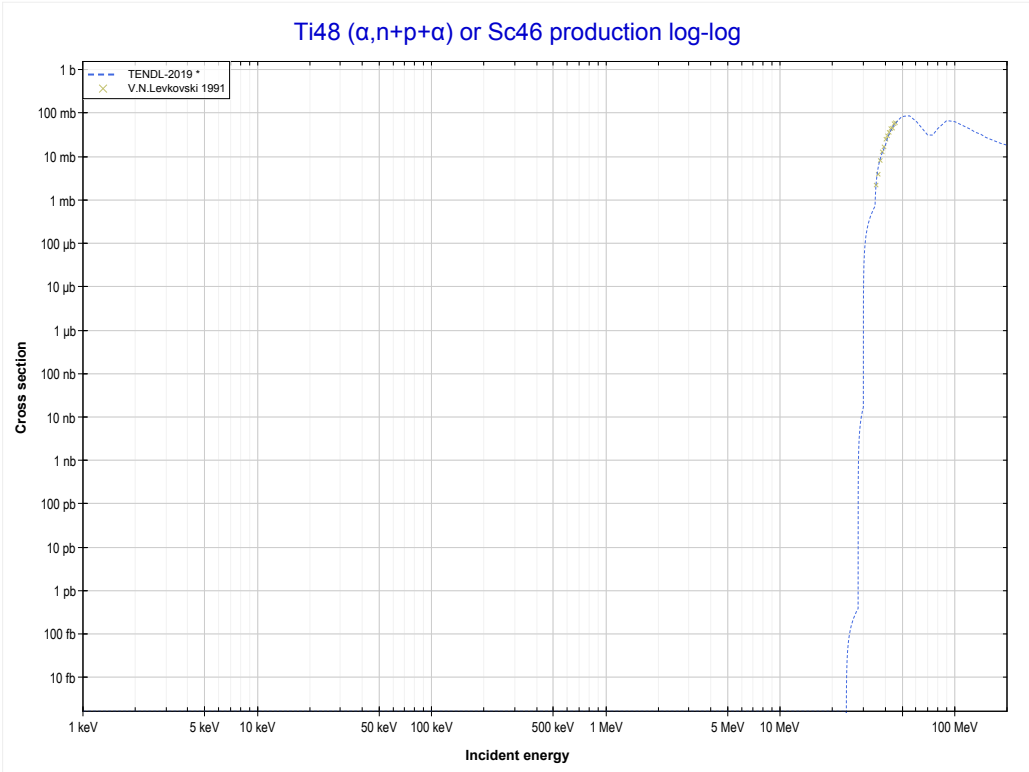
Reaction	Q-Value
Ti48(α,4n)Cr48	-35531.06 keV

<< 20-Ca-48	22-Ti-48	23-V-51 >>
<< MT37 ($\alpha,4n$)	MT42 ($\alpha,3n+p$) or MT5 (V48 production)	MT45 ($\alpha,n+p+\alpha$) >>



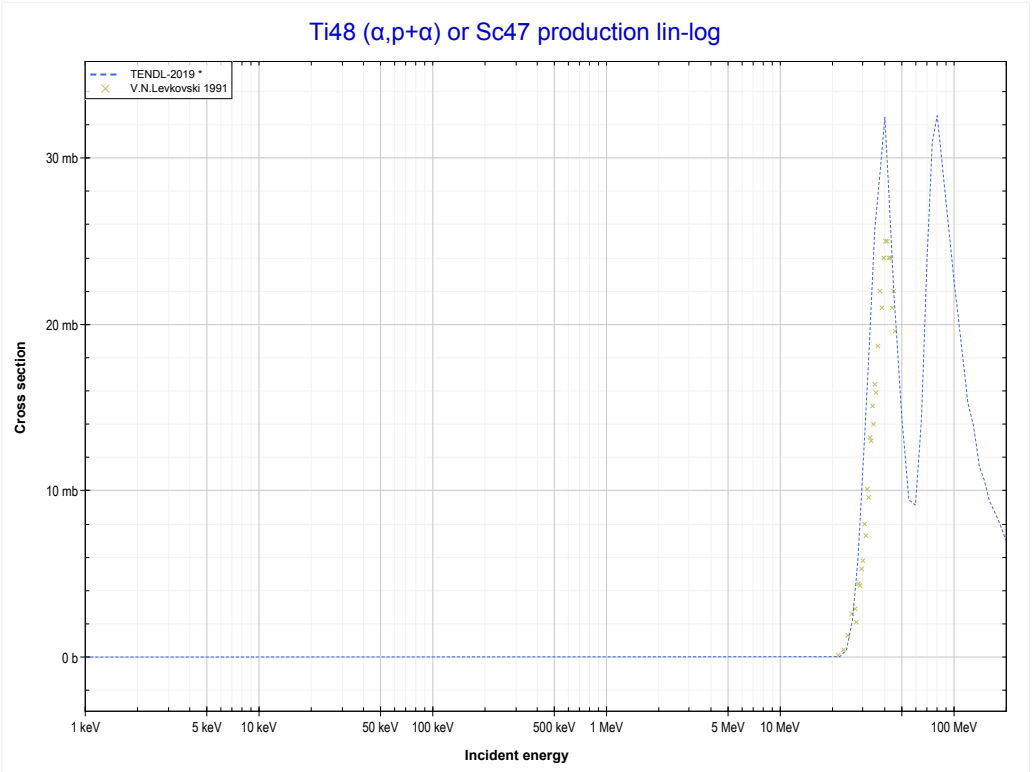
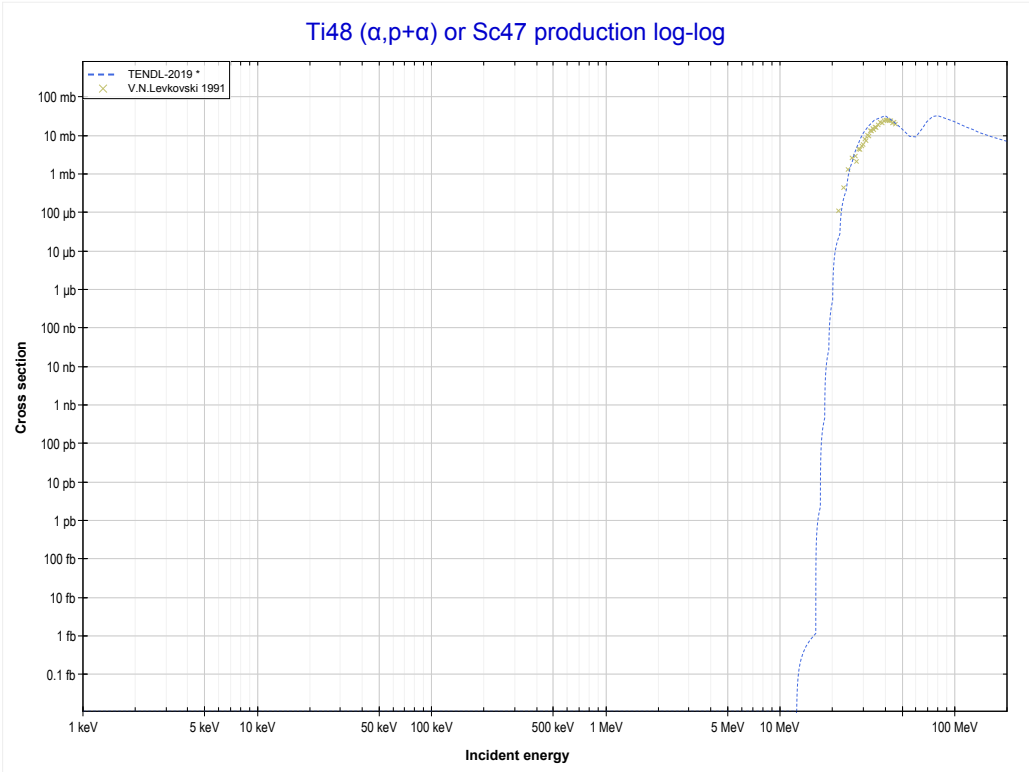
Reaction	Q-Value
Ti48($\alpha,n+t$)V48	-24611.22 keV
Ti48($\alpha,2n+d$)V48	-30868.45 keV
Ti48($\alpha,3n+p$)V48	-33093.02 keV

<< 22-Ti-46	22-Ti-48	22-Ti-49 >>
<< MT42 ($\alpha,3n+p$)	MT45 ($\alpha,n+p+\alpha$) or MT5 (Sc46 production)	MT112 ($\alpha,p+\alpha$) >>



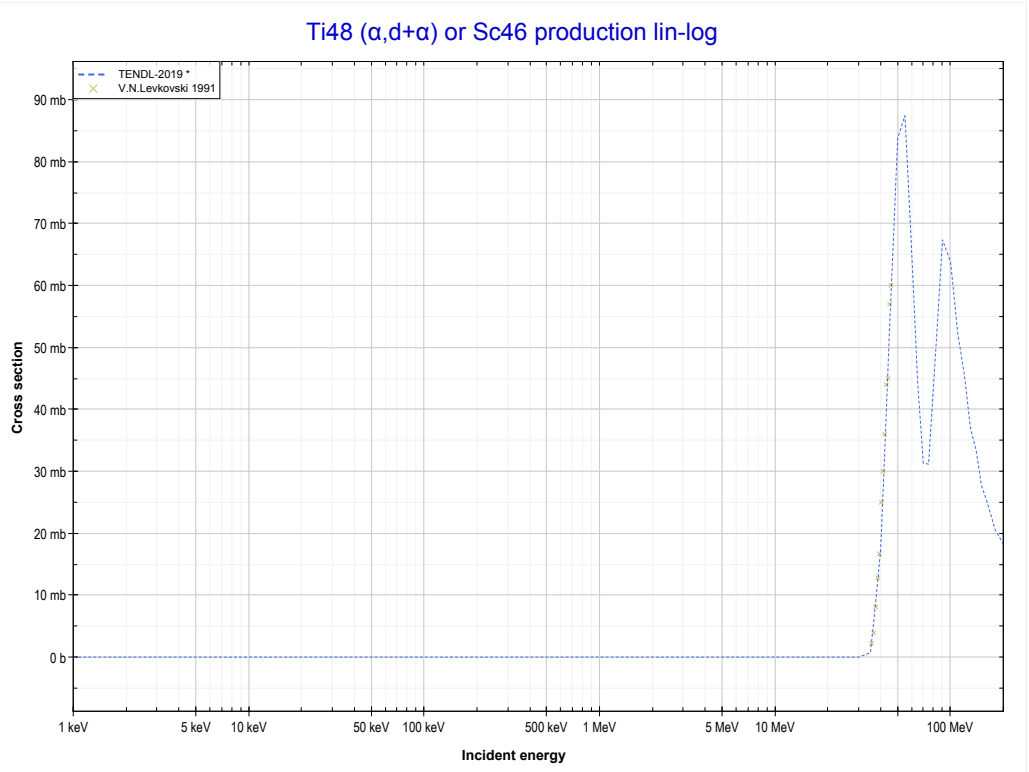
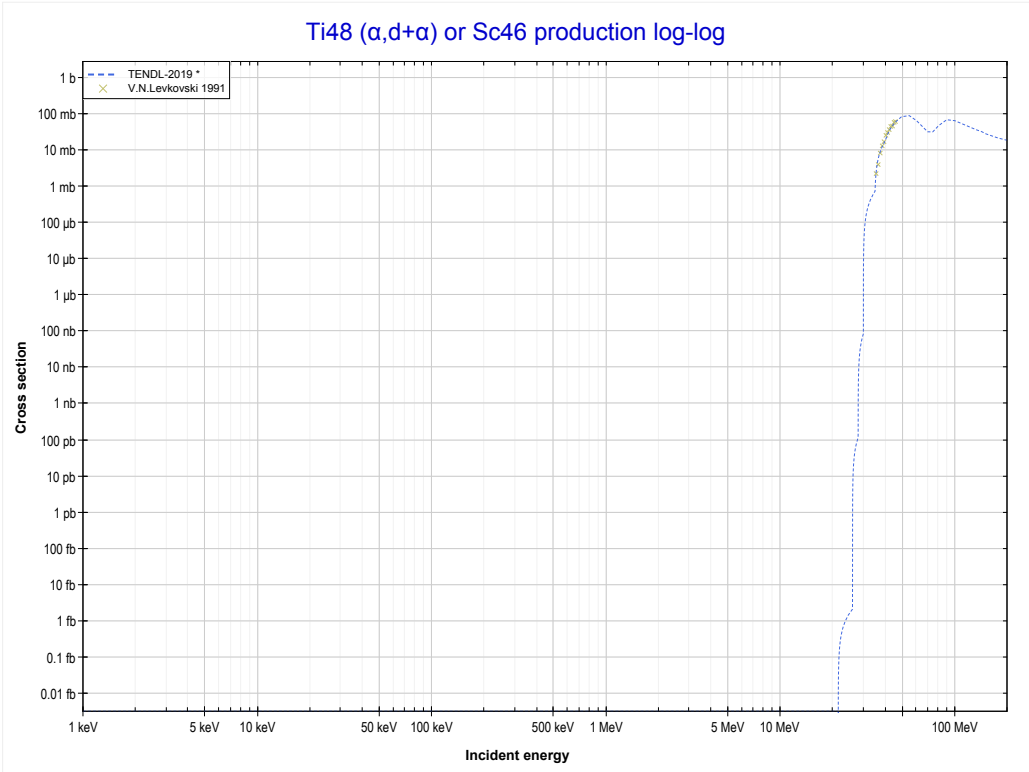
Reaction	Q-Value	Reaction	Q-Value
Ti48($\alpha,d+\alpha$)Sc46	-19867.23 keV	Ti48($\alpha,n+p+2d$)Sc46	-45938.33 keV
Ti48($\alpha,n+p+\alpha$)Sc46	-22091.80 keV	Ti48($\alpha,2n+2p+d$)Sc46	-48162.89 keV
Ti48($\alpha,t+He3$)Sc46	-34187.62 keV	Ti48($\alpha,3n+3p$)Sc46	-50387.46 keV
Ti48($\alpha,p+d+t$)Sc46	-39681.10 keV		
Ti48($\alpha,n+d+He3$)Sc46	-40444.85 keV		
Ti48($\alpha,n+2p+t$)Sc46	-41905.66 keV		
Ti48($\alpha,2n+p+He3$)Sc46	-42669.42 keV		
Ti48($\alpha,3d$)Sc46	-43713.76 keV		

<< 22-Ti-47	22-Ti-48	22-Ti-49 >>
<< MT45 (α,n+p+α)	MT112 (α,p+α) or MT5 (Sc47 production)	MT117 (α,d+α) >>



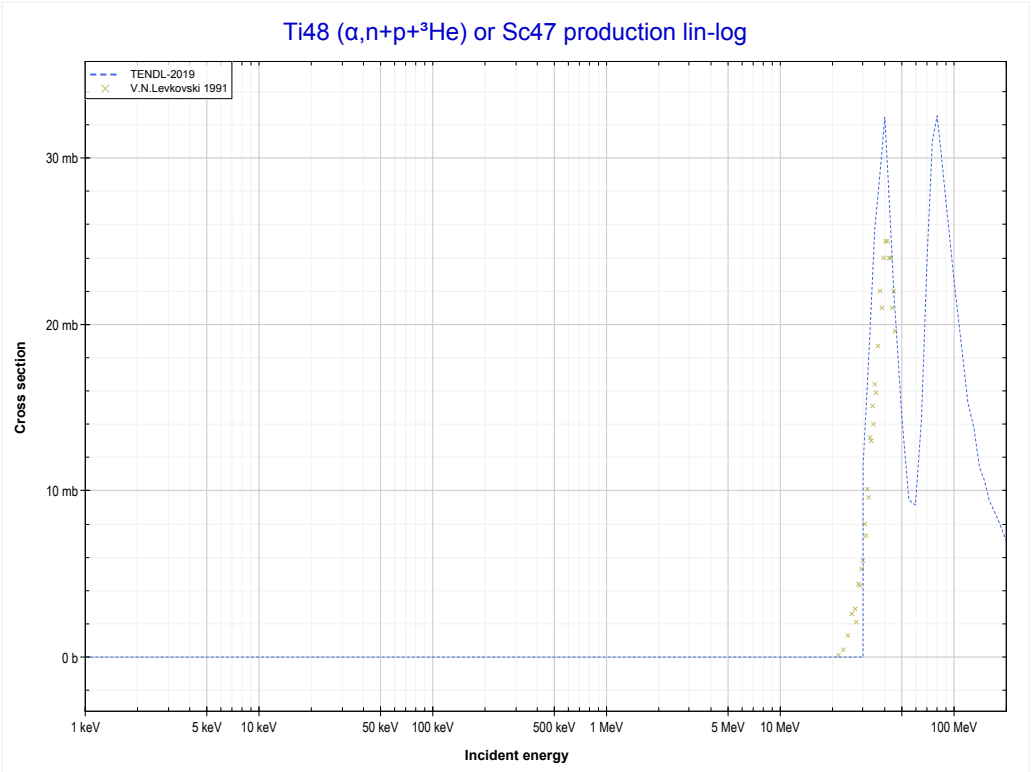
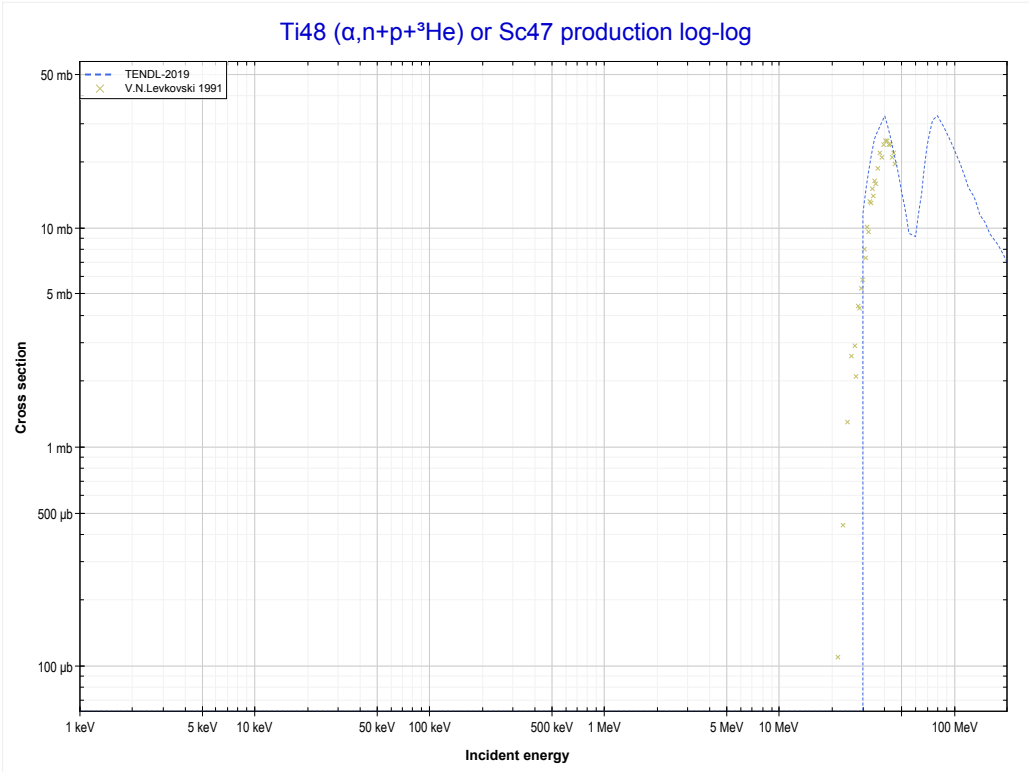
Reaction	Q-Value
Ti48(α,p+α)Sc47	-11445.08 keV
Ti48(α,d+He3)Sc47	-29798.13 keV
Ti48(α,2p+t)Sc47	-31258.95 keV
Ti48(α,n+p+He3)Sc47	-32022.70 keV
Ti48(α,p+2d)Sc47	-35291.61 keV
Ti48(α,n+2p+d)Sc47	-37516.17 keV
Ti48(α,2n+3p)Sc47	-39740.74 keV

<< 22-Ti-46	22-Ti-48	22-Ti-49 >>
<< MT112 (α,p+α)	MT117 (α,d+α) or MT5 (Sc46 production)	MT186 (α,n+p+ ³ He) >>



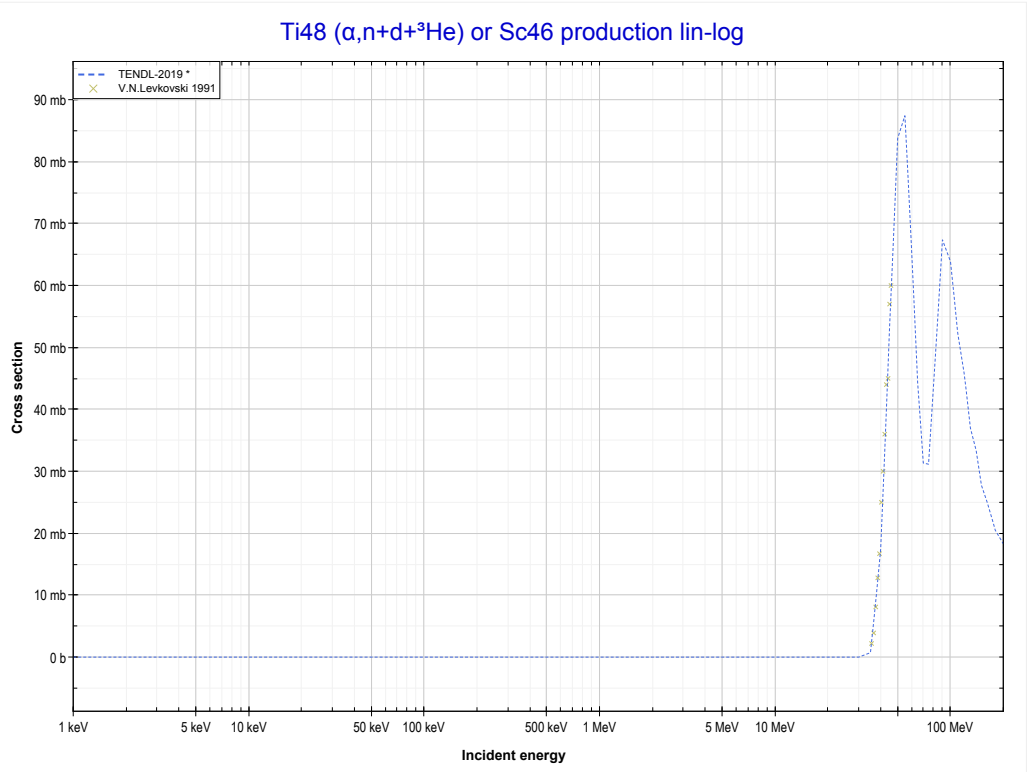
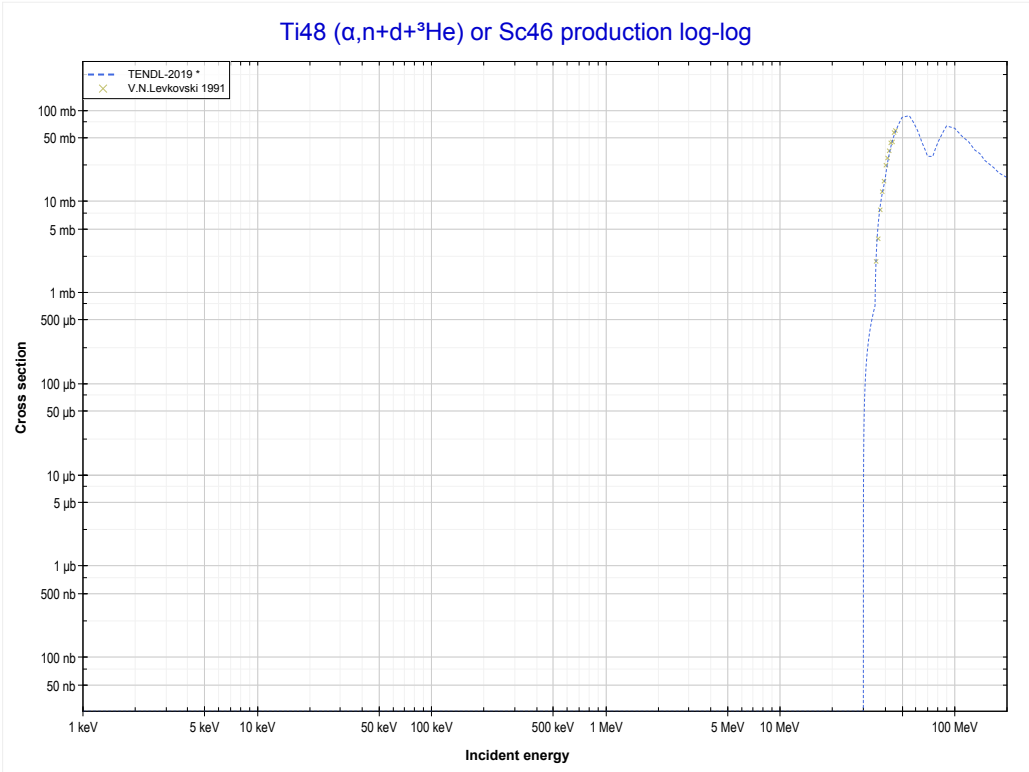
Reaction	Q-Value	Reaction	Q-Value
Ti48(α,d+α)Sc46	-19867.23 keV	Ti48(α,n+p+2d)Sc46	-45938.33 keV
Ti48(α,n+p+α)Sc46	-22091.80 keV	Ti48(α,2n+2p+d)Sc46	-48162.89 keV
Ti48(α,t+He3)Sc46	-34187.62 keV	Ti48(α,3n+3p)Sc46	-50387.46 keV
Ti48(α,p+d+t)Sc46	-39681.10 keV		
Ti48(α,n+d+He3)Sc46	-40444.85 keV		
Ti48(α,n+2p+t)Sc46	-41905.66 keV		
Ti48(α,2n+p+He3)Sc46	-42669.42 keV		
Ti48(α,3d)Sc46	-43713.76 keV		

<< 22-Ti-47	22-Ti-48	22-Ti-49 >>
<< MT117 (α ,d+ α)	MT186 (α ,n+p+ ^3He) or MT5 (Sc47 production)	MT187 (α ,n+d+ ^3He) >>



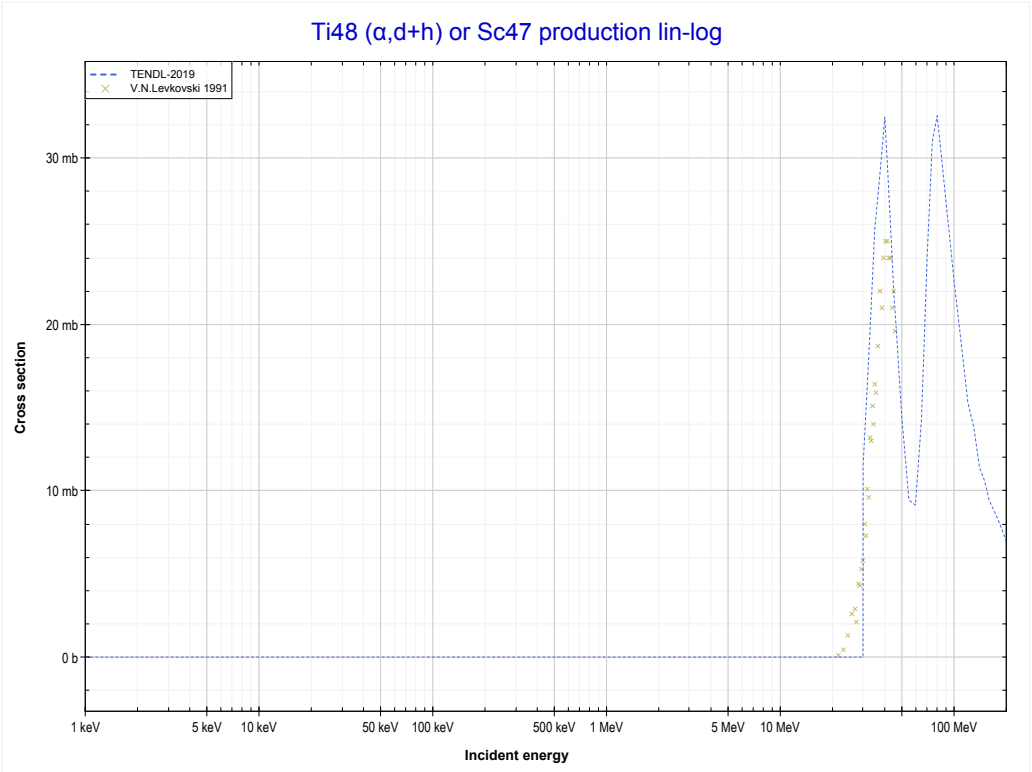
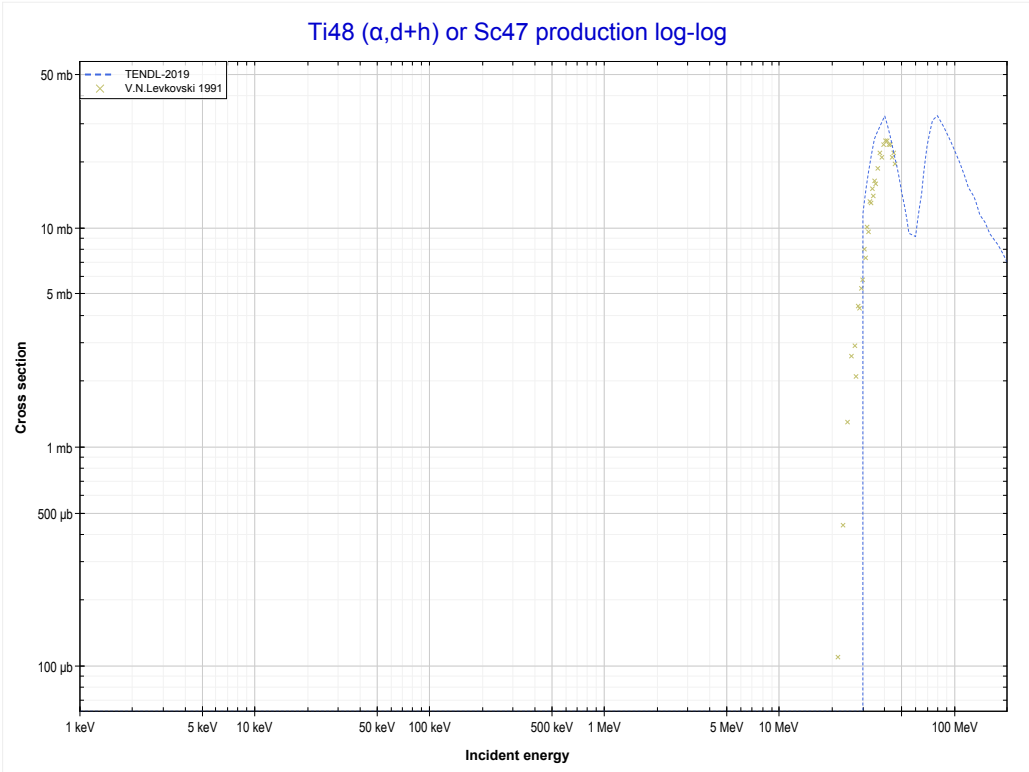
Reaction	Q-Value
Ti48(α ,p+ α)Sc47	-11445.08 keV
Ti48(α ,d+He3)Sc47	-29798.13 keV
Ti48(α ,2p+t)Sc47	-31258.95 keV
Ti48(α ,n+p+He3)Sc47	-32022.70 keV
Ti48(α ,p+2d)Sc47	-35291.61 keV
Ti48(α ,n+2p+d)Sc47	-37516.17 keV
Ti48(α ,2n+3p)Sc47	-39740.74 keV

<< 22-Ti-46	22-Ti-48	22-Ti-49 >>
<< MT186 (α ,n+p+ ^3He)	MT187 (α ,n+d+ ^3He) or MT5 (Sc46 production)	MT192 (α ,d+ ^3He) >>



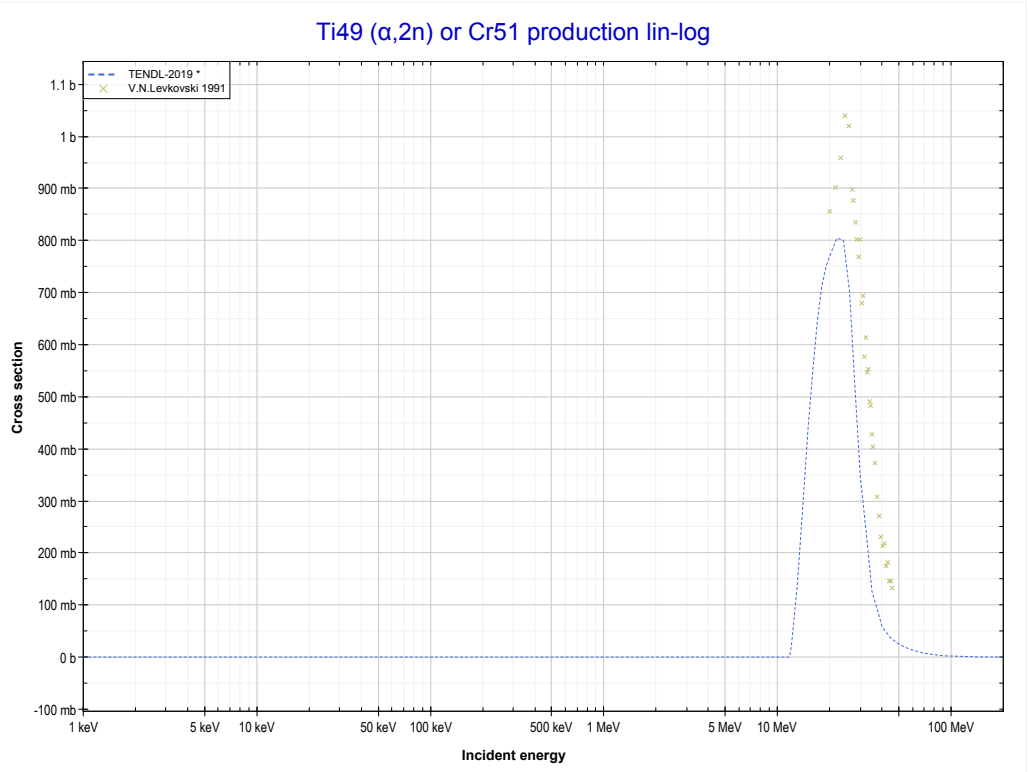
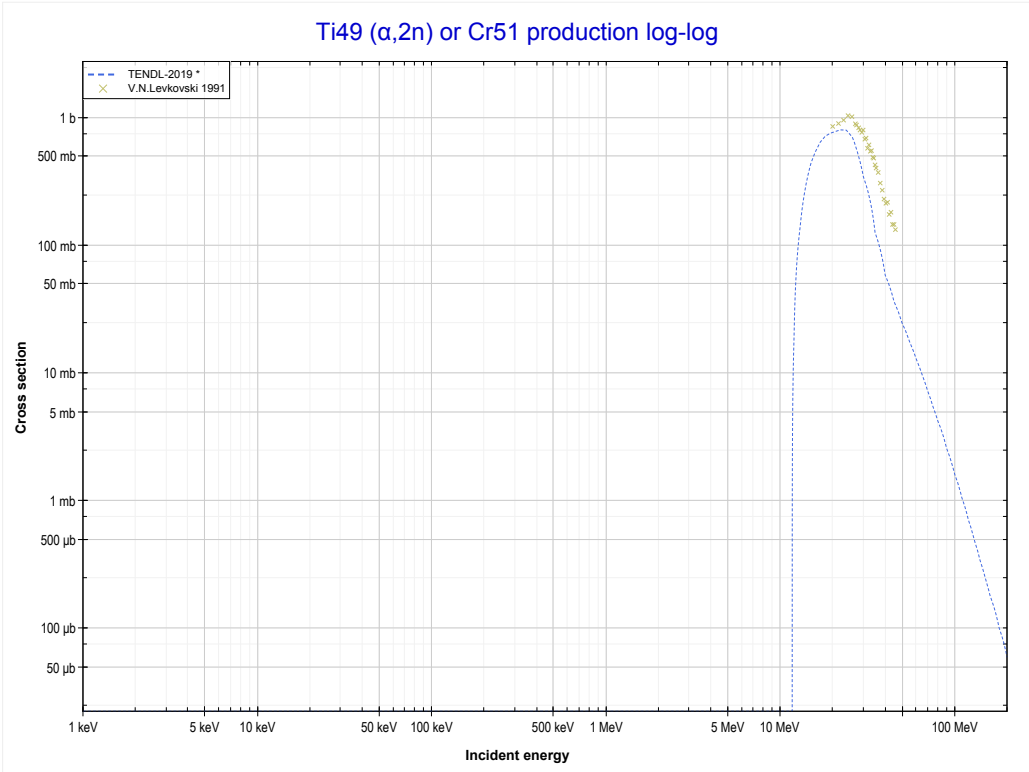
Reaction	Q-Value	Reaction	Q-Value
Ti48(α ,d+ α)Sc46	-19867.23 keV	Ti48(α ,n+p+2d)Sc46	-45938.33 keV
Ti48(α ,n+p+ α)Sc46	-22091.80 keV	Ti48(α ,2n+2p+d)Sc46	-48162.89 keV
Ti48(α ,t+He3)Sc46	-34187.62 keV	Ti48(α ,3n+3p)Sc46	-50387.46 keV
Ti48(α ,p+d+t)Sc46	-39681.10 keV		
Ti48(α ,n+d+He3)Sc46	-40444.85 keV		
Ti48(α ,n+2p+t)Sc46	-41905.66 keV		
Ti48(α ,2n+p+He3)Sc46	-42669.42 keV		
Ti48(α ,3d)Sc46	-43713.76 keV		

<< 22-Ti-47	22-Ti-48	22-Ti-49 >>
<< MT187 ($\alpha,n+d+^3\text{He}$)	MT192 ($\alpha,d+^3\text{He}$) or MT5 (Sc47 production)	22-Ti-49 MT16 ($\alpha,2n$) >>



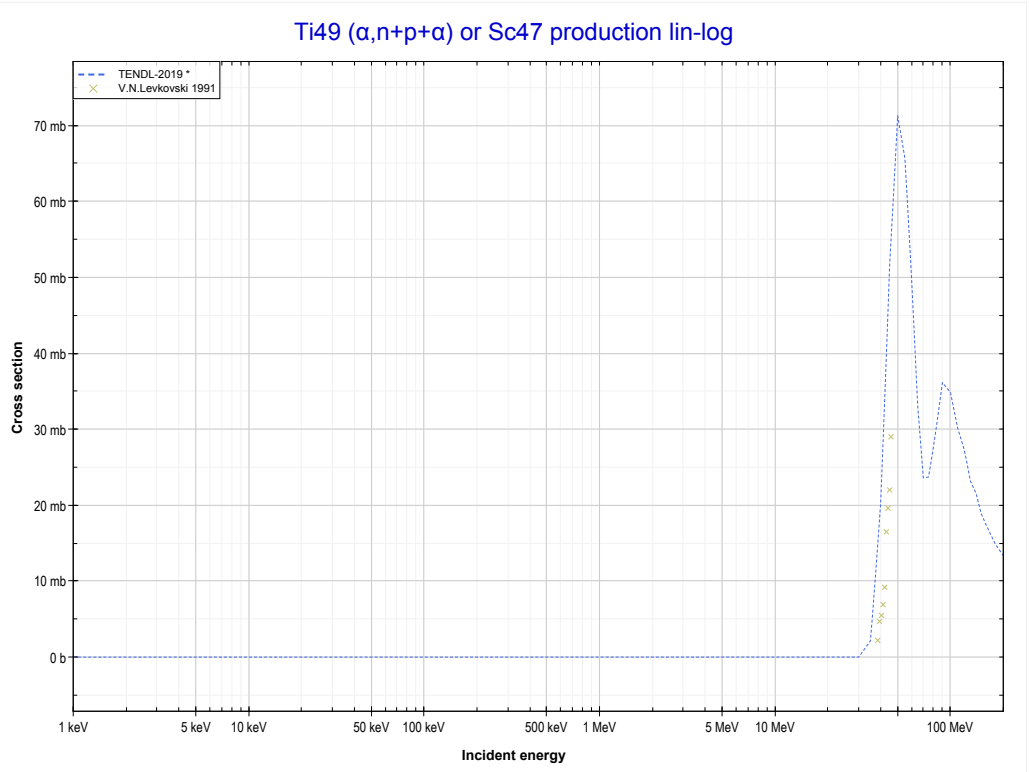
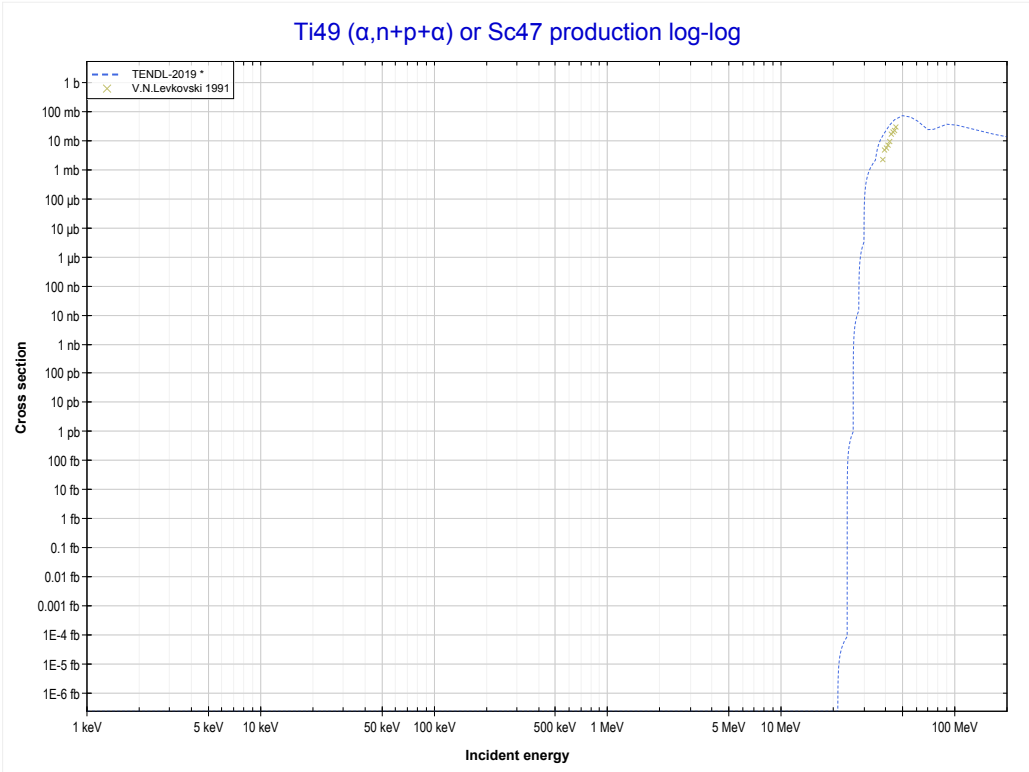
Reaction	Q-Value
Ti48($\alpha,p+\alpha$)Sc47	-11445.08 keV
Ti48($\alpha,d+\text{He3}$)Sc47	-29798.13 keV
Ti48($\alpha,2p+t$)Sc47	-31258.95 keV
Ti48($\alpha,n+p+\text{He3}$)Sc47	-32022.70 keV
Ti48($\alpha,p+2d$)Sc47	-35291.61 keV
Ti48($\alpha,n+2p+d$)Sc47	-37516.17 keV
Ti48($\alpha,2n+3p$)Sc47	-39740.74 keV

<< 22-Ti-47	22-Ti-49	24-Cr-50 >>
<< 22-Ti-48 MT192 (α ,d+ ^3He)	MT16 (α ,2n) or MT5 (Cr51 production)	MT45 (α ,n+p+ α) >>



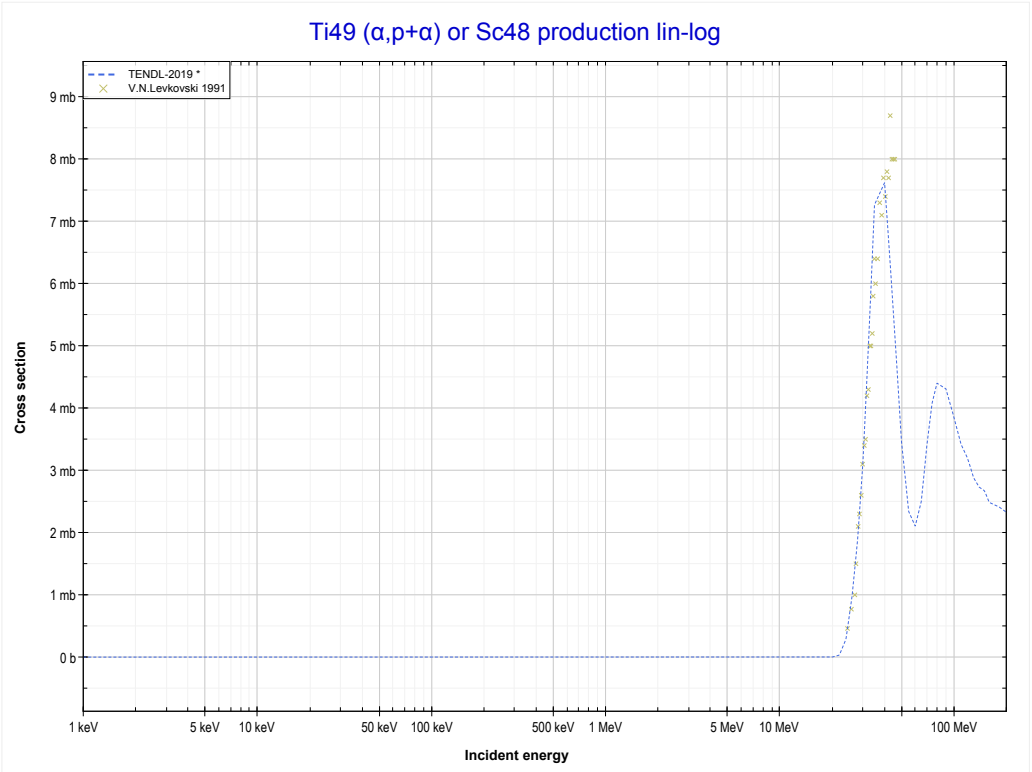
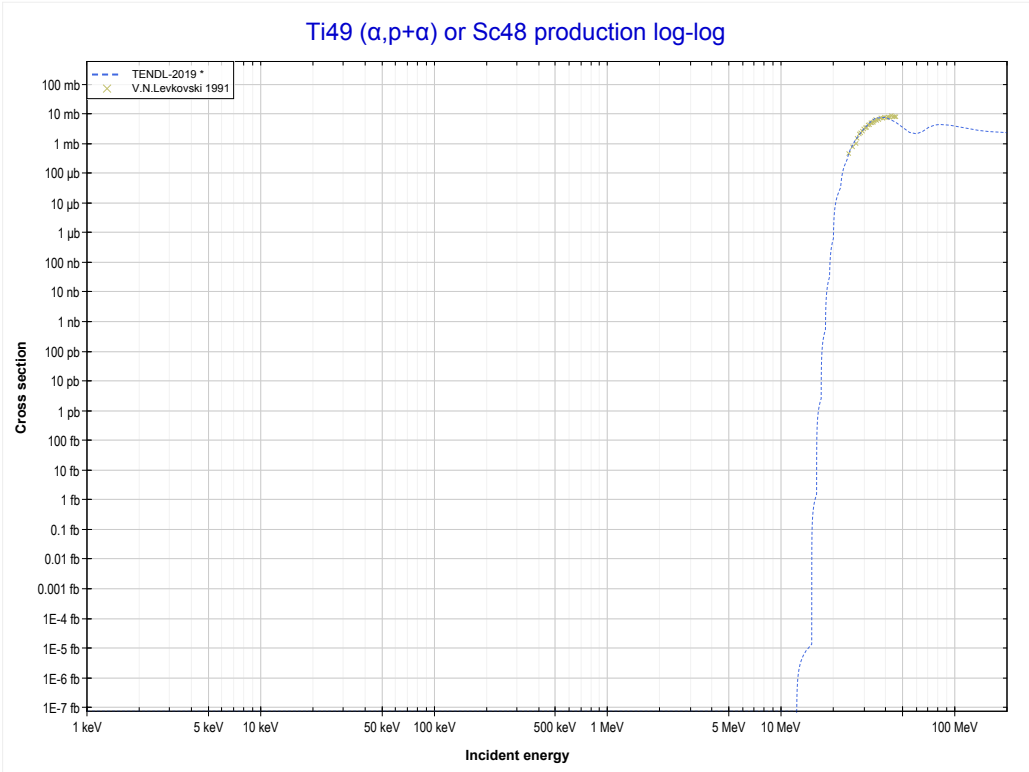
Reaction	Q-Value
Ti49(α ,2n)Cr51	-10830.11 keV

<< 22-Ti-48	22-Ti-49	24-Cr-50 >>
<< MT16 (α,2n)	MT45 (α,n+p+α) or MT5 (Sc47 production)	MT112 (α,p+α) >>



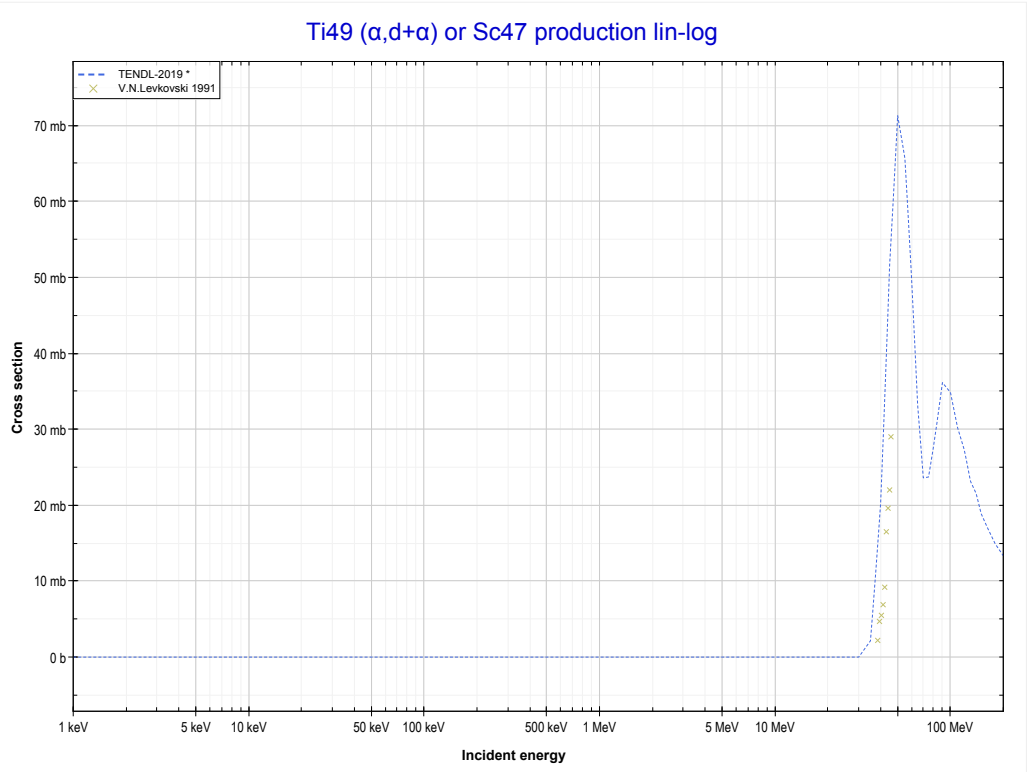
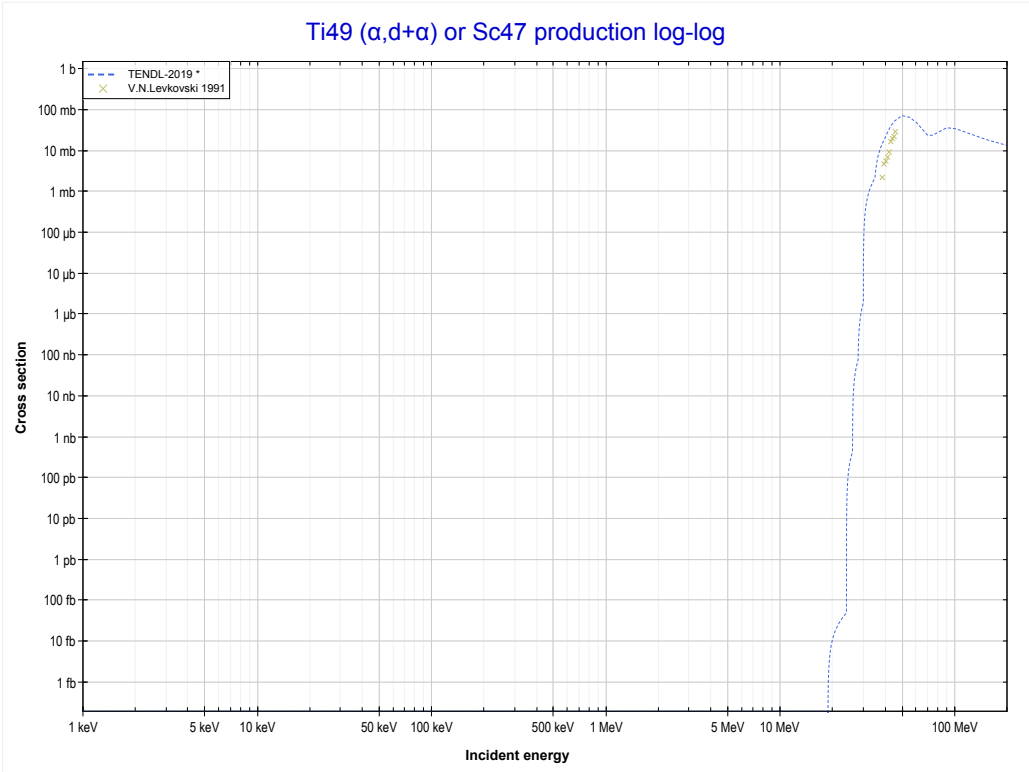
Reaction	Q-Value	Reaction	Q-Value
Ti49(α,d+α)Sc47	-17362.91 keV	Ti49(α,n+p+2d)Sc47	-43434.01 keV
Ti49(α,n+p+α)Sc47	-19587.48 keV	Ti49(α,2n+2p+d)Sc47	-45658.57 keV
Ti49(α,t+He3)Sc47	-31683.30 keV	Ti49(α,3n+3p)Sc47	-47883.14 keV
Ti49(α,p+d+t)Sc47	-37176.78 keV		
Ti49(α,n+d+He3)Sc47	-37940.53 keV		
Ti49(α,n+2p+t)Sc47	-39401.34 keV		
Ti49(α,2n+p+He3)Sc47	-40165.10 keV		
Ti49(α,3d)Sc47	-41209.44 keV		

<< 22-Ti-48	22-Ti-49	26-Fe-57 >>
<< MT45 (α,n+p+α)	MT112 (α,p+α) or MT5 (Sc48 production)	MT117 (α,d+α) >>



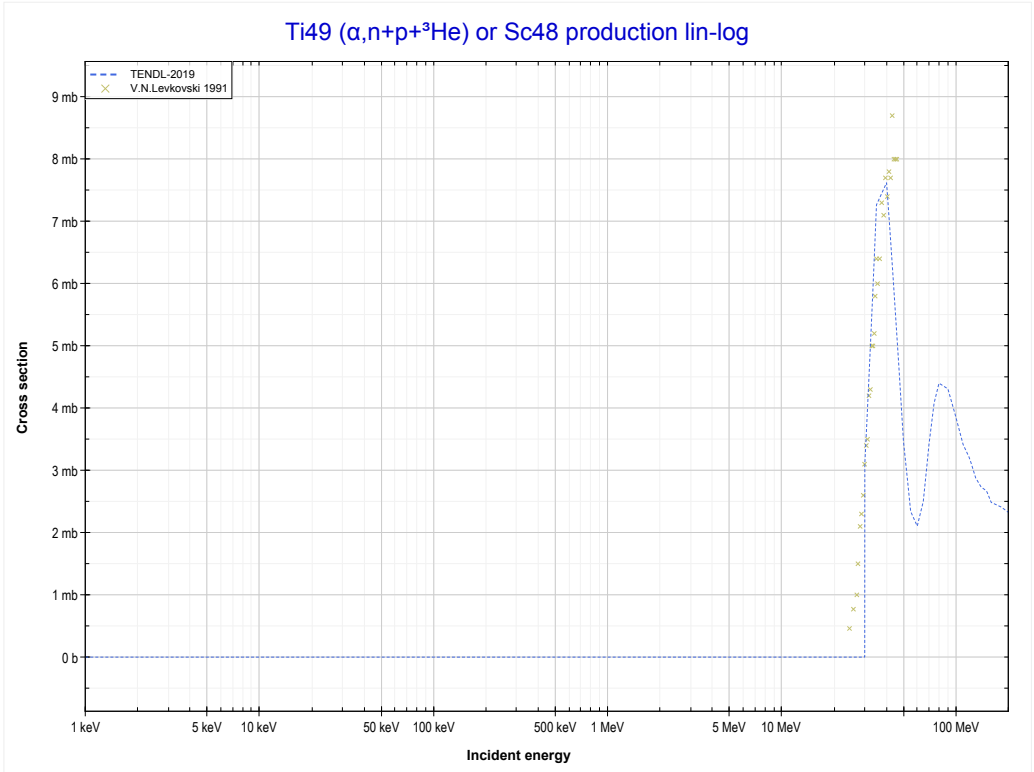
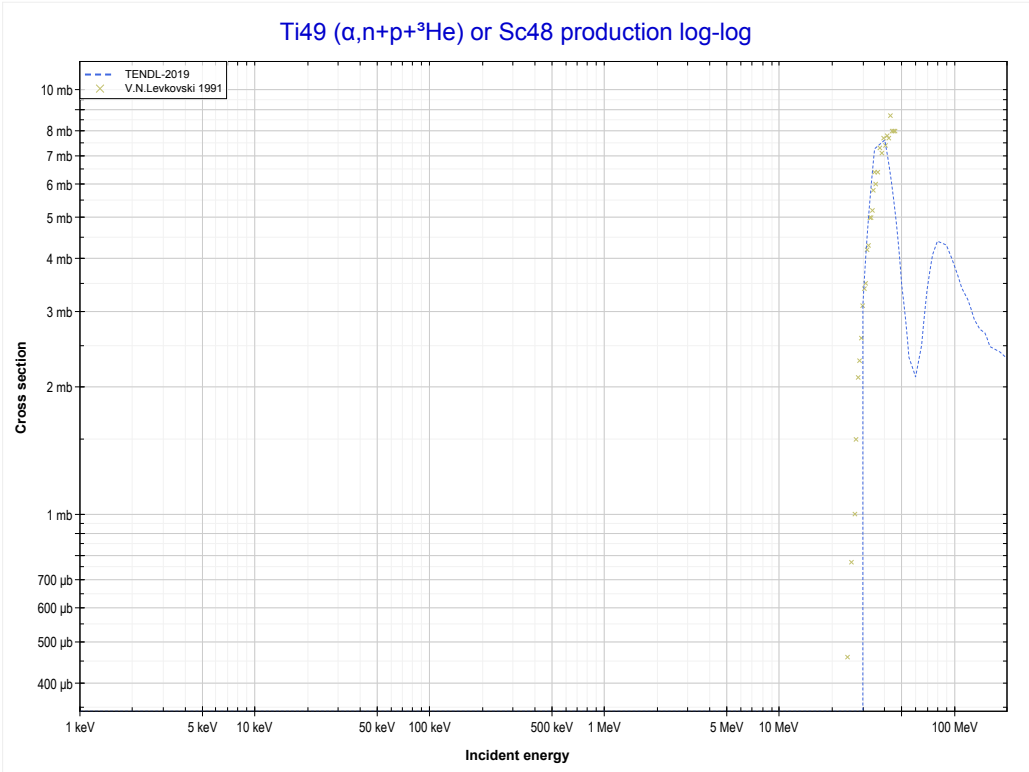
Reaction	Q-Value
Ti49(α,p+α)Sc48	-11348.76 keV
Ti49(α,d+He3)Sc48	-29701.81 keV
Ti49(α,2p+t)Sc48	-31162.63 keV
Ti49(α,n+p+He3)Sc48	-31926.38 keV
Ti49(α,p+2d)Sc48	-35195.29 keV
Ti49(α,n+2p+d)Sc48	-37419.85 keV
Ti49(α,2n+3p)Sc48	-39644.42 keV

<< 22-Ti-48	22-Ti-49	24-Cr-50 >>
<< MT112 (α,p+α)	MT117 (α,d+α) or MT5 (Sc47 production)	MT186 (α,n+p+ ³ He) >>



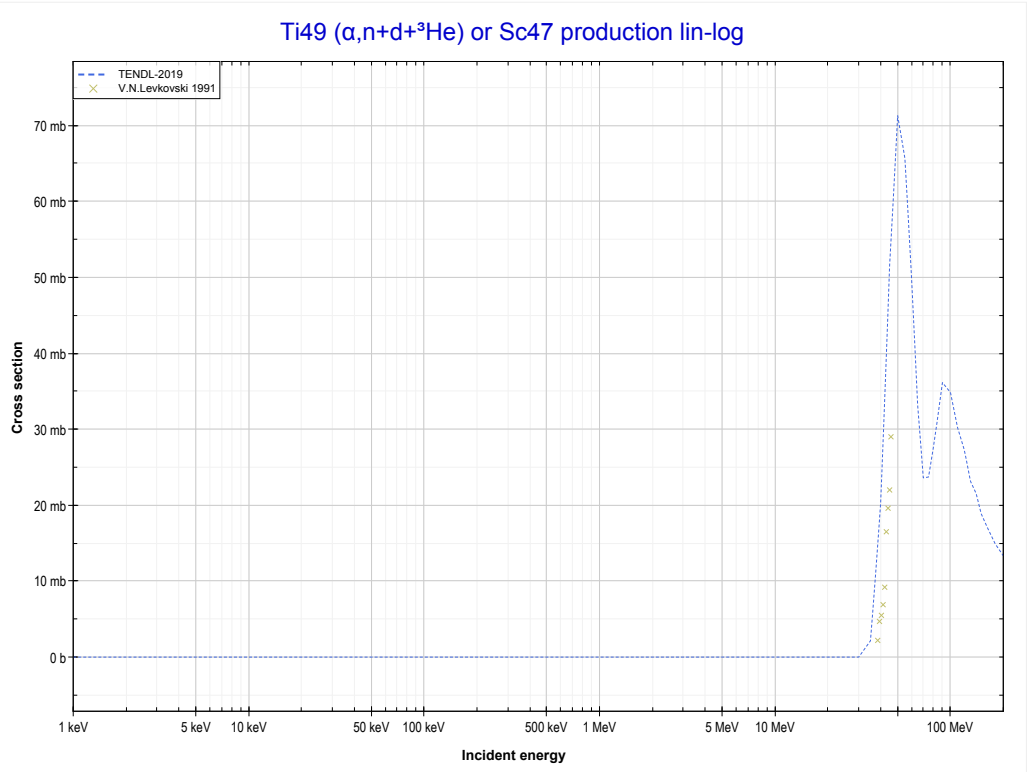
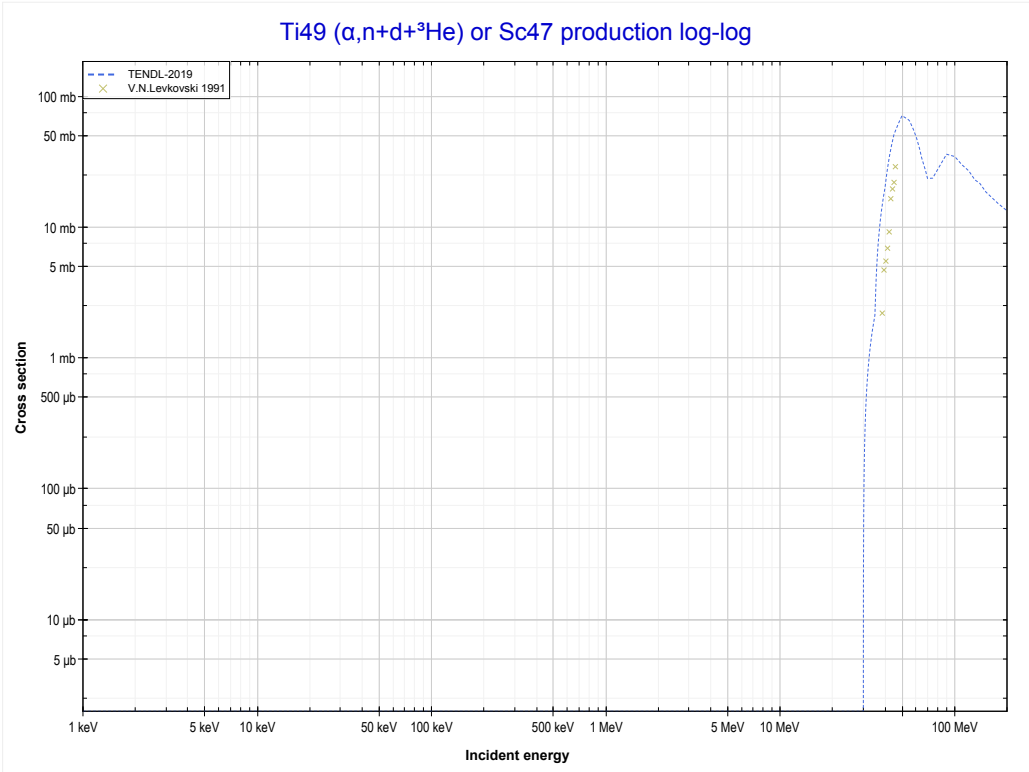
Reaction	Q-Value	Reaction	Q-Value
Ti49(α,d+α)Sc47	-17362.91 keV	Ti49(α,n+p+2d)Sc47	-43434.01 keV
Ti49(α,n+p+α)Sc47	-19587.48 keV	Ti49(α,2n+2p+d)Sc47	-45658.57 keV
Ti49(α,t+He3)Sc47	-31683.30 keV	Ti49(α,3n+3p)Sc47	-47883.14 keV
Ti49(α,p+d+t)Sc47	-37176.78 keV		
Ti49(α,n+d+He3)Sc47	-37940.53 keV		
Ti49(α,n+2p+t)Sc47	-39401.34 keV		
Ti49(α,2n+p+He3)Sc47	-40165.10 keV		
Ti49(α,3d)Sc47	-41209.44 keV		

<< 22-Ti-48	22-Ti-49	26-Fe-57 >>
<< MT117 (α ,d+ α)	MT186 (α ,n+p+ ^3He) or MT5 (Sc48 production)	MT187 (α ,n+d+ ^3He) >>



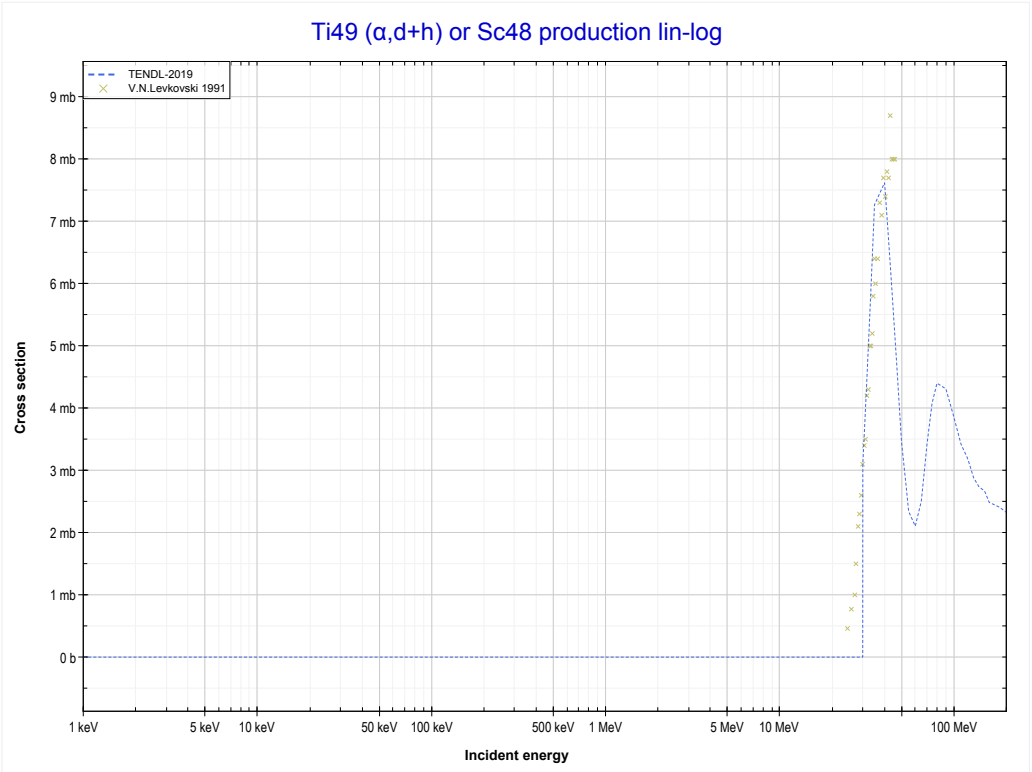
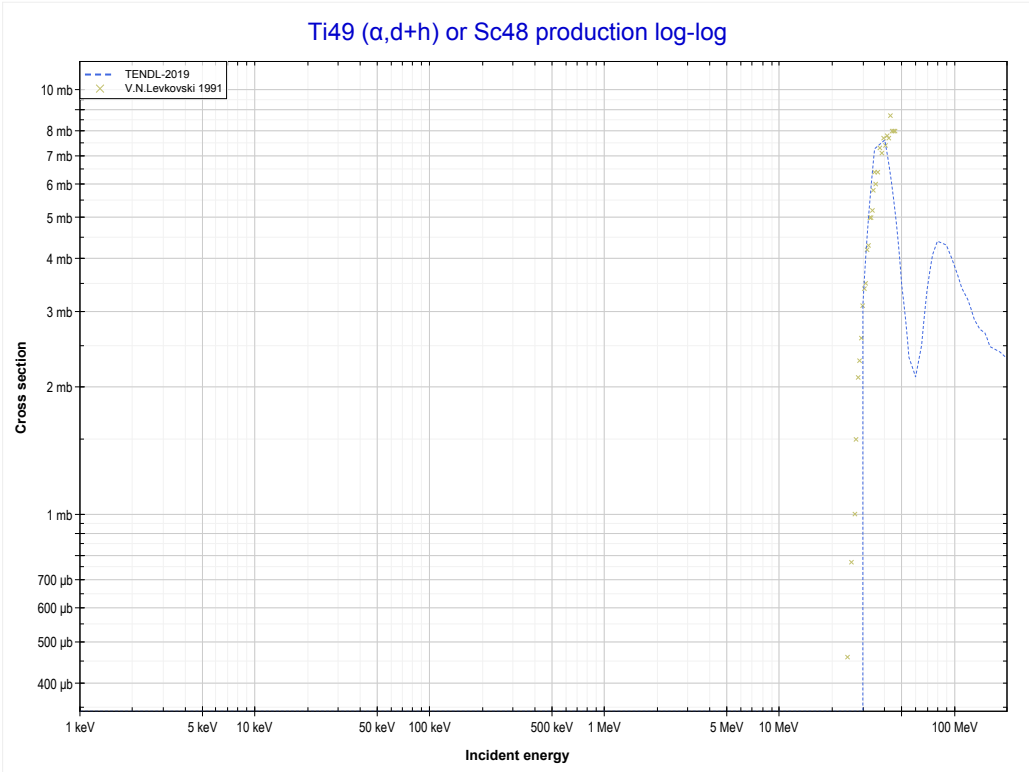
Reaction	Q-Value
Ti49(α ,p+ α)Sc48	-11348.76 keV
Ti49(α ,d+He3)Sc48	-29701.81 keV
Ti49(α ,2p+t)Sc48	-31162.63 keV
Ti49(α ,n+p+He3)Sc48	-31926.38 keV
Ti49(α ,p+2d)Sc48	-35195.29 keV
Ti49(α ,n+2p+d)Sc48	-37419.85 keV
Ti49(α ,2n+3p)Sc48	-39644.42 keV

<< 22-Ti-48	22-Ti-49	24-Cr-50 >>
<< MT186 (α ,n+p+ ^3He)	MT187 (α ,n+d+ ^3He) or MT5 (Sc47 production)	MT192 (α ,d+ ^3He) >>



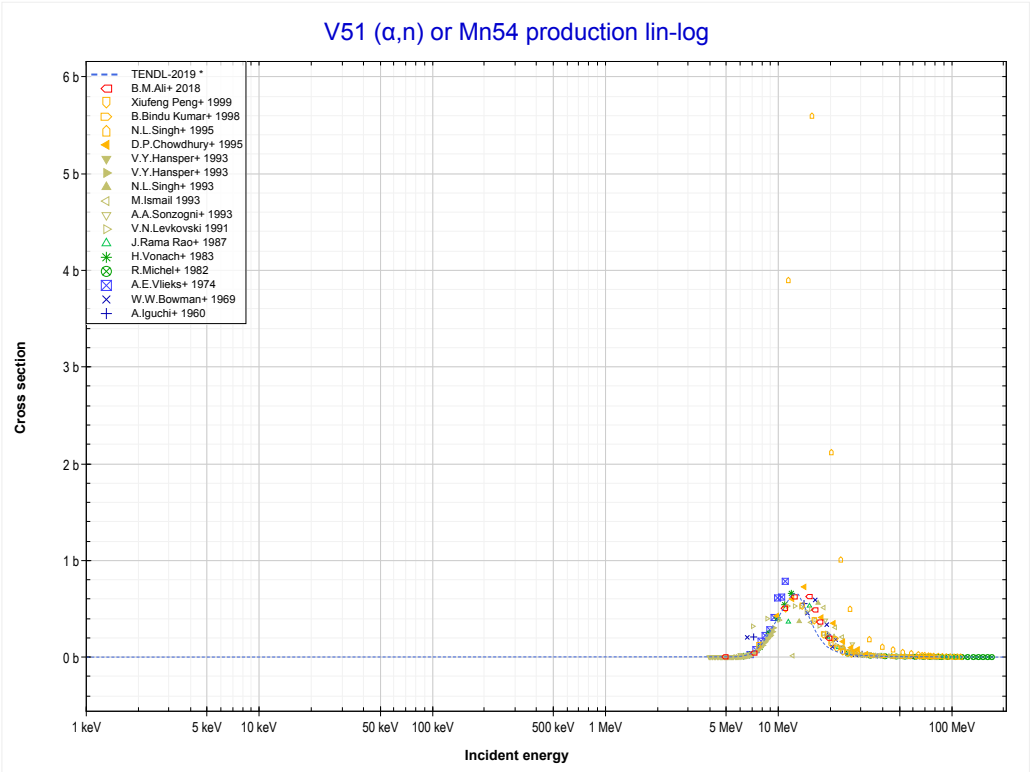
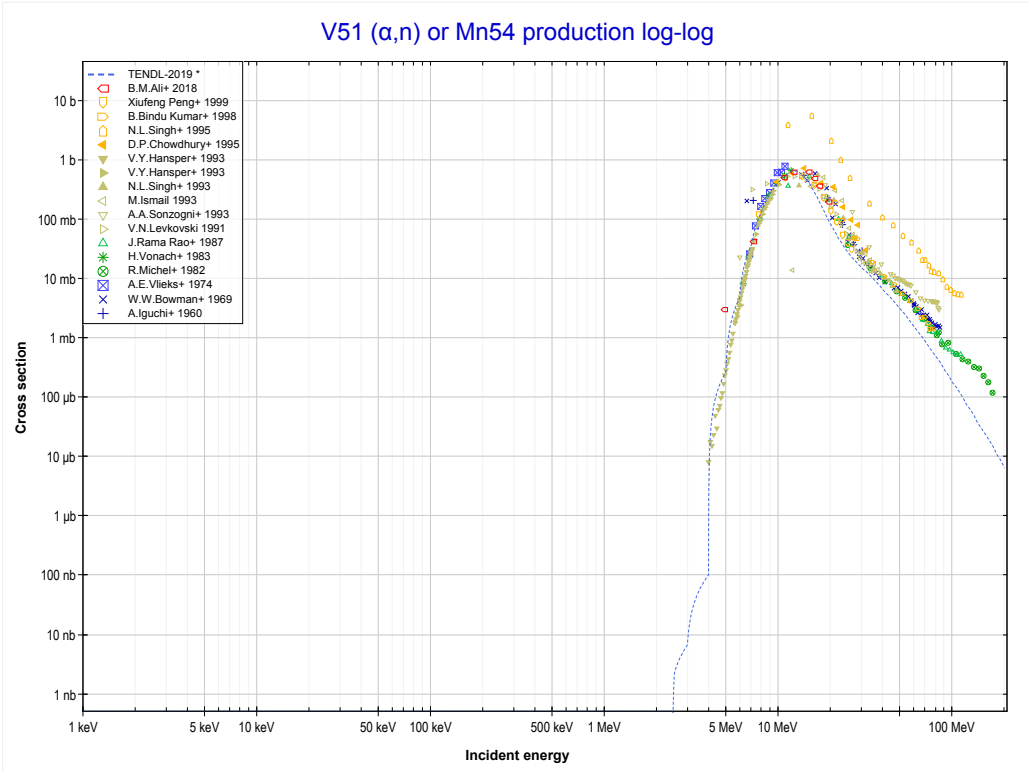
Reaction	Q-Value	Reaction	Q-Value
Ti49(α ,d+ α)Sc47	-17362.91 keV	Ti49(α ,n+p+2d)Sc47	-43434.01 keV
Ti49(α ,n+p+ α)Sc47	-19587.48 keV	Ti49(α ,2n+2p+d)Sc47	-45658.57 keV
Ti49(α ,t+He3)Sc47	-31683.30 keV	Ti49(α ,3n+3p)Sc47	-47883.14 keV
Ti49(α ,p+d+t)Sc47	-37176.78 keV		
Ti49(α ,n+d+He3)Sc47	-37940.53 keV		
Ti49(α ,n+2p+t)Sc47	-39401.34 keV		
Ti49(α ,2n+p+He3)Sc47	-40165.10 keV		
Ti49(α ,3d)Sc47	-41209.44 keV		

<< 22-Ti-48	22-Ti-49	26-Fe-57 >>
<< MT187 (α ,n+d+ ^3He)	MT192 (α ,d+ ^3He) or MT5 (Sc48 production)	23-V-51 MT4 (α ,n) >>



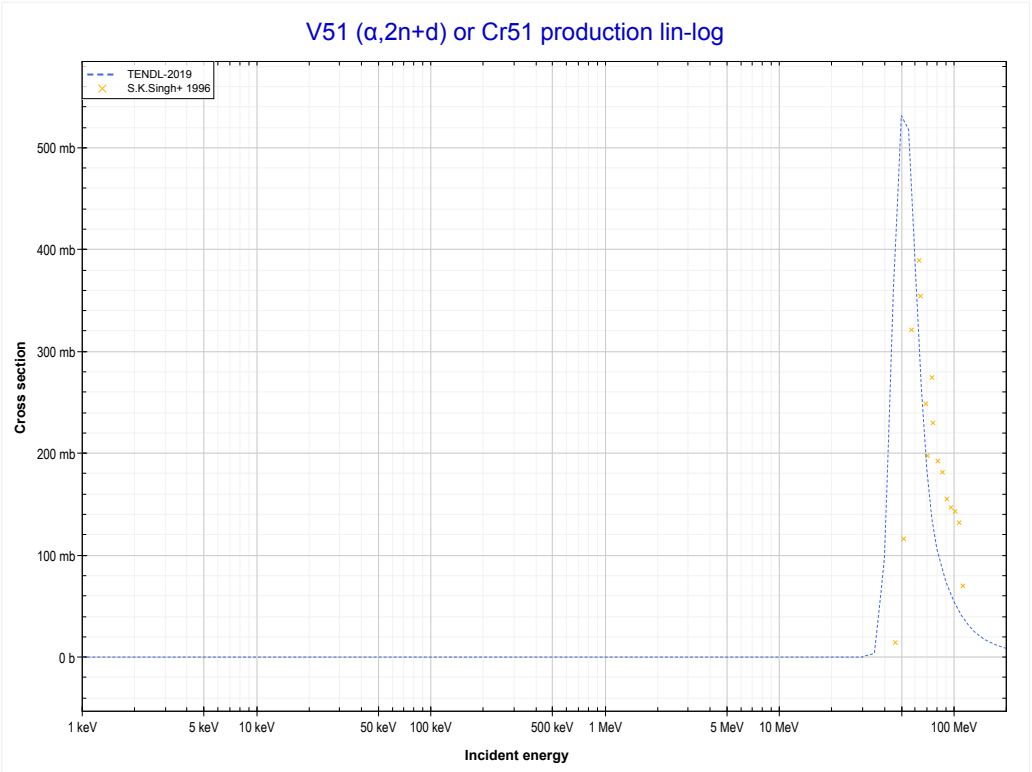
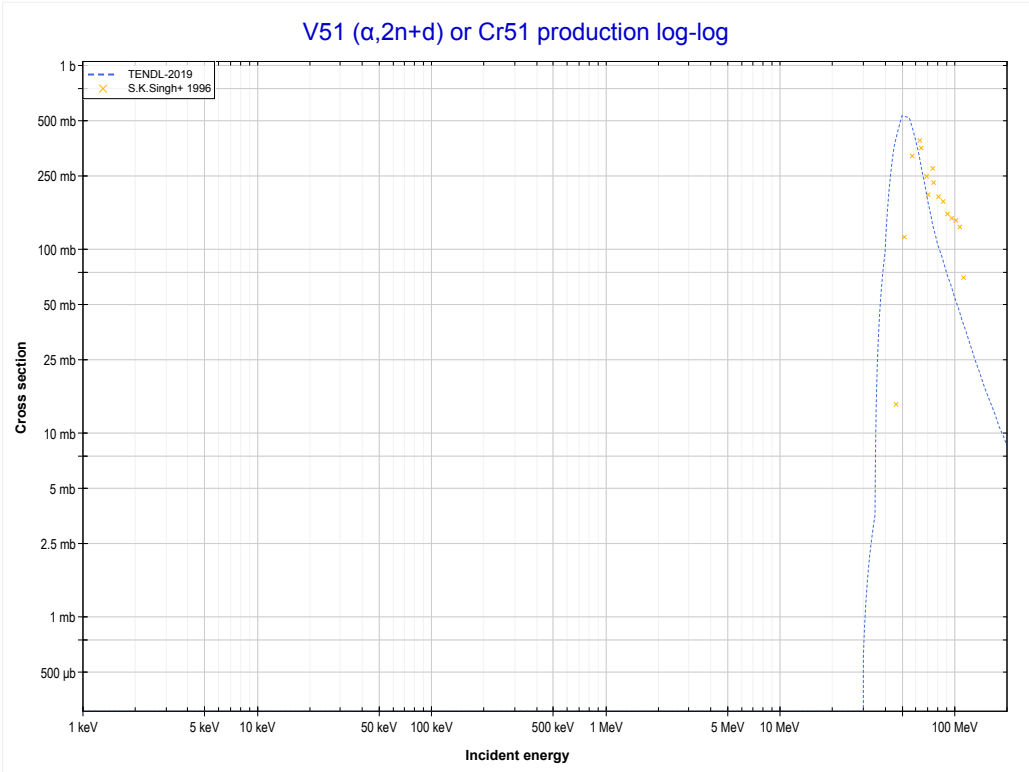
Reaction	Q-Value
Ti49(α ,p+ α)Sc48	-11348.76 keV
Ti49(α ,d+He3)Sc48	-29701.81 keV
Ti49(α ,2p+t)Sc48	-31162.63 keV
Ti49(α ,n+p+He3)Sc48	-31926.38 keV
Ti49(α ,p+2d)Sc48	-35195.29 keV
Ti49(α ,n+2p+d)Sc48	-37419.85 keV
Ti49(α ,2n+3p)Sc48	-39644.42 keV

<< 22-Ti-48	23-V-51	24-Cr-50 >>
<< 22-Ti-49 MT192 (α ,d+ ^3He)	MT4 (α ,n) or MT5 (Mn54 production)	MT11 (α ,2n+d) >>



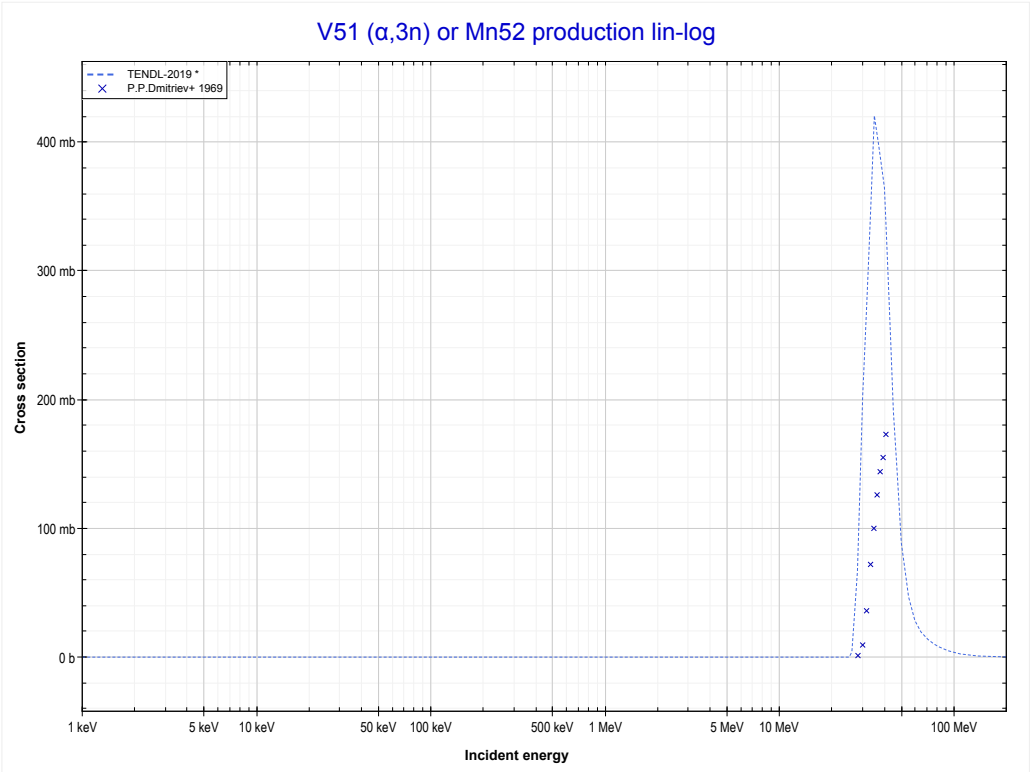
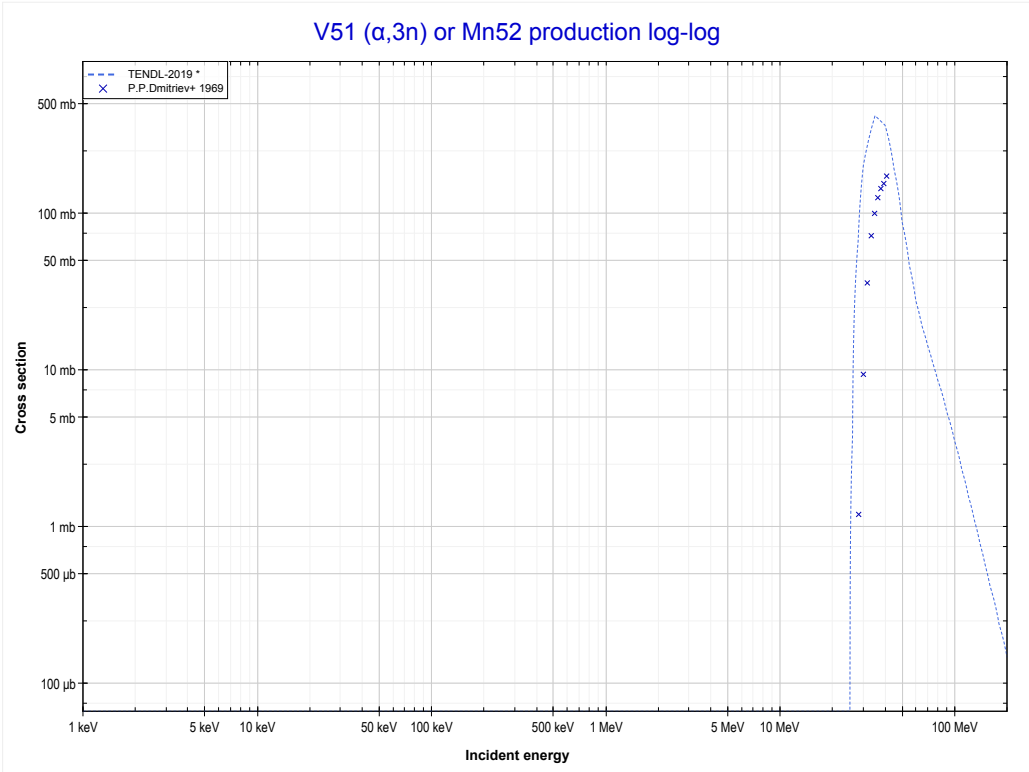
Reaction	Q-Value
V51(α ,n)Mn54	-2292.60 keV

<< 22-Ti-48	23-V-51	30-Zn-67 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Cr51 production)	MT17 (α,3n) >>



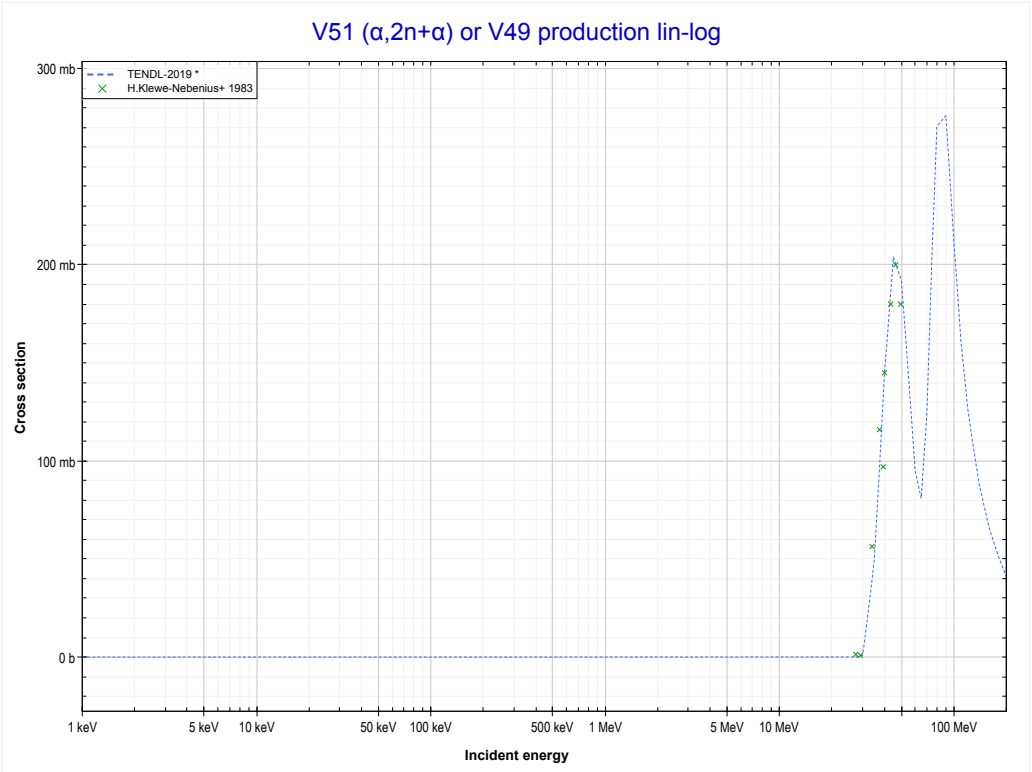
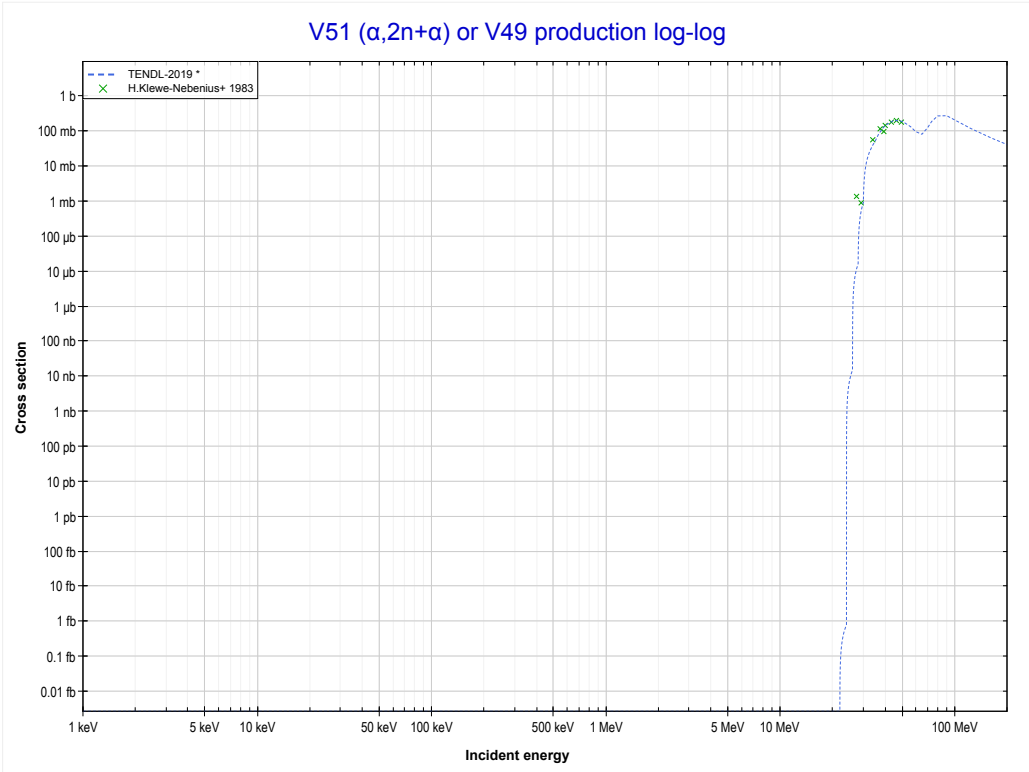
Reaction	Q-Value
V51(α,n+t)Cr51	-21348.61 keV
V51(α,2n+d)Cr51	-27605.84 keV
V51(α,3n+p)Cr51	-29830.41 keV

<< 22-Ti-48	23-V-51	25-Mn-55 >>
<< MT11 ($\alpha,2n+d$)	MT17 ($\alpha,3n$) or MT5 (Mn52 production)	MT24 ($\alpha,2n+\alpha$) >>



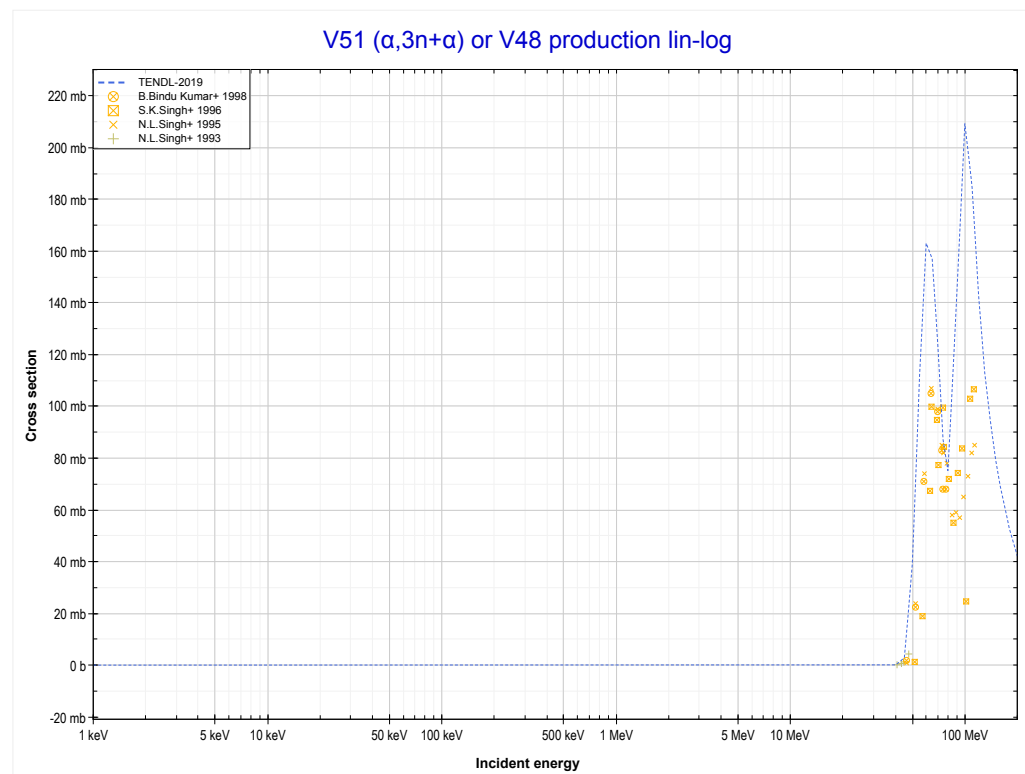
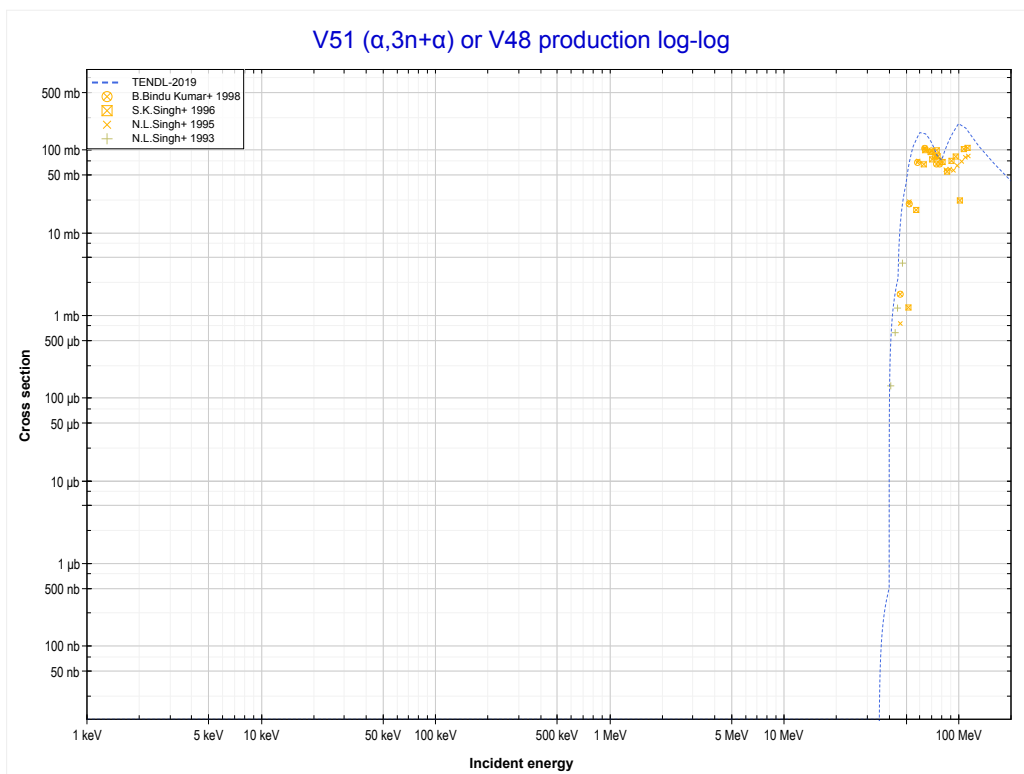
Reaction	Q-Value
V51($\alpha,3n$)Mn52	-23285.54 keV

<< 21-Sc-45	23-V-51	24-Cr-50 >>
<< MT17 (α,3n)	MT24 (α,2n+α) or MT5 (V49 production)	MT25 (α,3n+α) >>



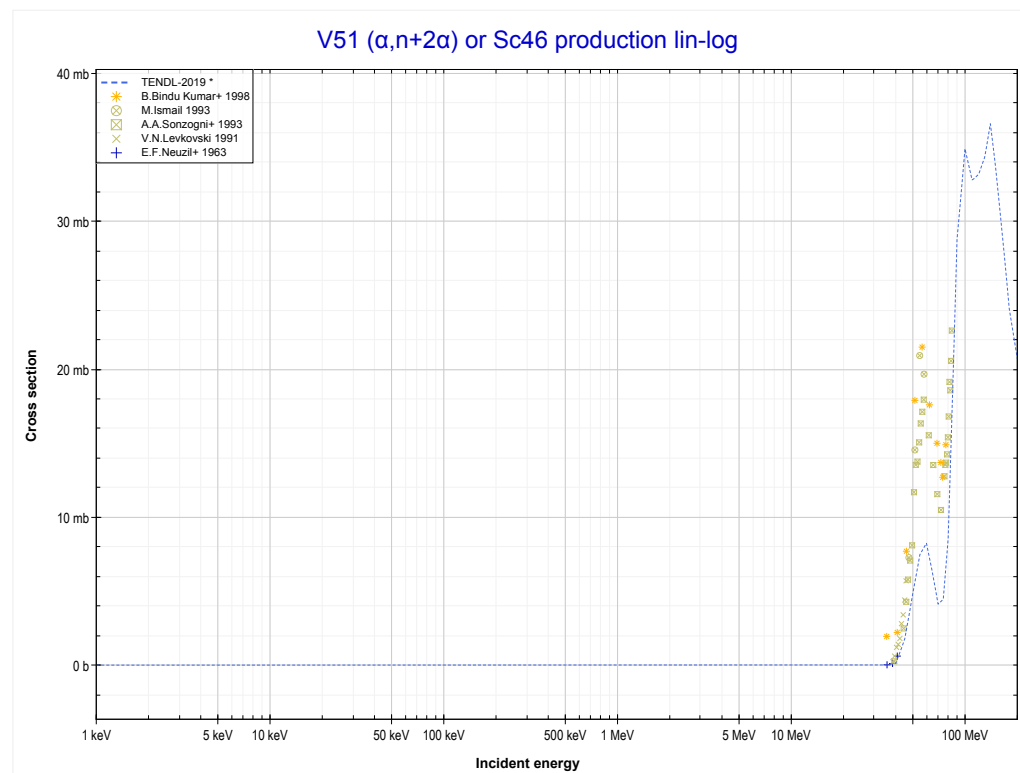
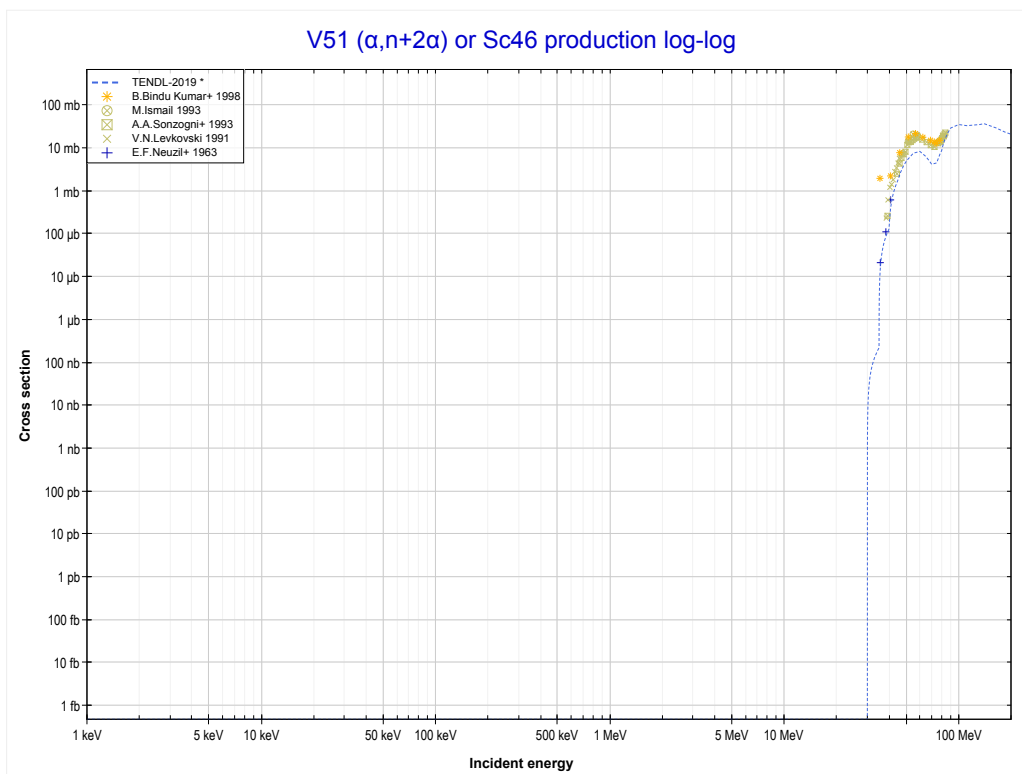
Reaction	Q-Value
V51(α,2n+α)V49	-20384.53 keV
V51(α,2t)V49	-31716.60 keV
V51(α,n+d+t)V49	-37973.83 keV
V51(α,2n+p+t)V49	-40198.40 keV
V51(α,3n+He3)V49	-40962.15 keV
V51(α,2n+2d)V49	-44231.06 keV
V51(α,3n+p+d)V49	-46455.63 keV
V51(α,4n+2p)V49	-48680.19 keV

	23-V-51	25-Mn-55 >>
<< MT24 ($\alpha,2n+\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (V48 production)	MT29 ($\alpha,n+2\alpha$) >>



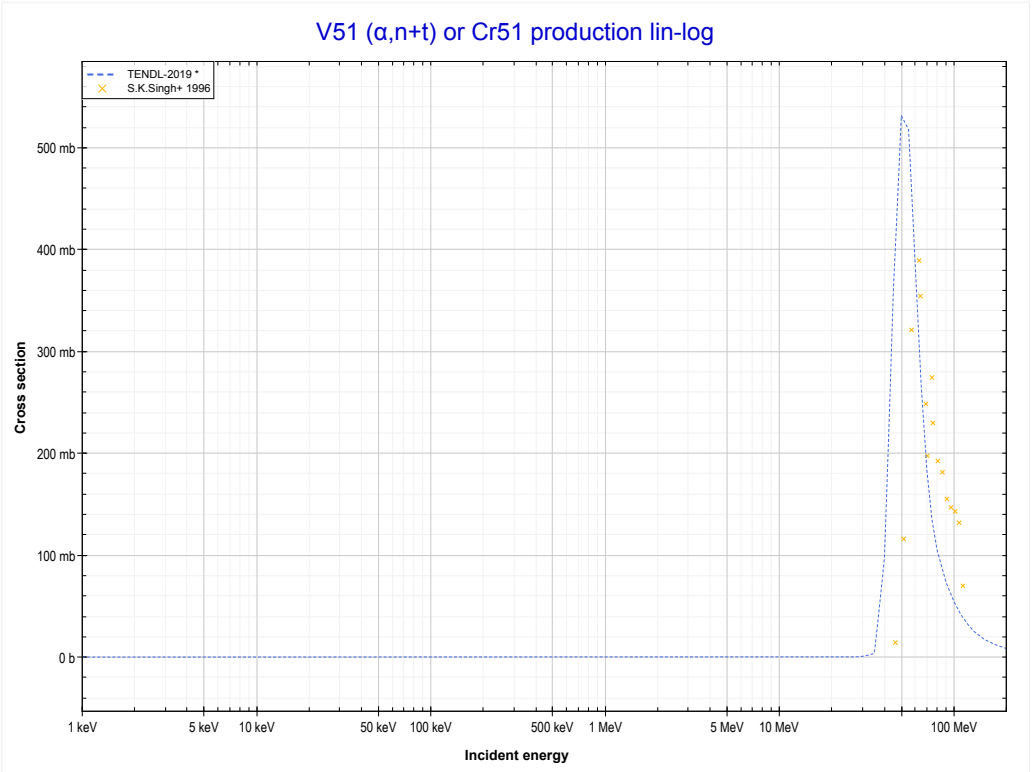
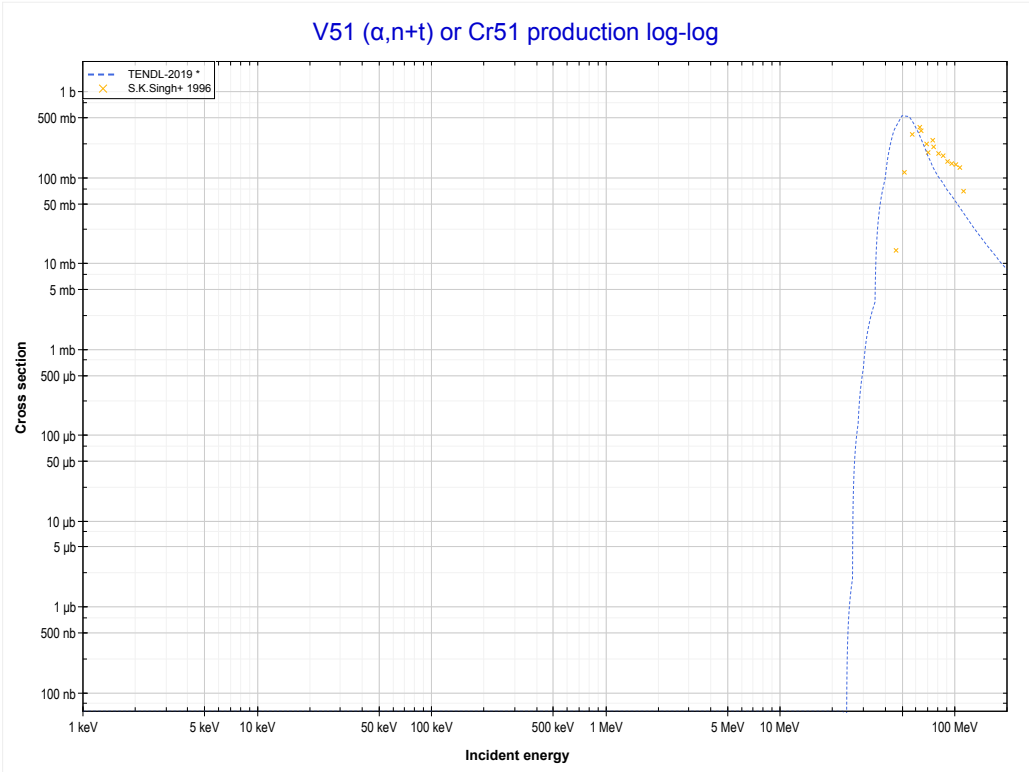
Reaction	Q-Value
V51($\alpha,3n+\alpha$)V48	-31940.05 keV
V51($\alpha,n+2t$)V48	-43272.12 keV
V51($\alpha,2n+d+t$)V48	-49529.35 keV
V51($\alpha,3n+p+t$)V48	-51753.92 keV
V51($\alpha,4n+\text{He3}$)V48	-52517.67 keV
V51($\alpha,3n+2d$)V48	-55786.58 keV
V51($\alpha,4n+p+d$)V48	-58011.15 keV
V51($\alpha,5n+2p$)V48	-60235.71 keV

<< 13-Al-27	23-V-51	27-Co-59 >>
<< MT25 ($\alpha, 3n+\alpha$)	MT29 ($\alpha, n+2\alpha$) or MT5 (Sc46 production)	MT33 ($\alpha, n+t$) >>



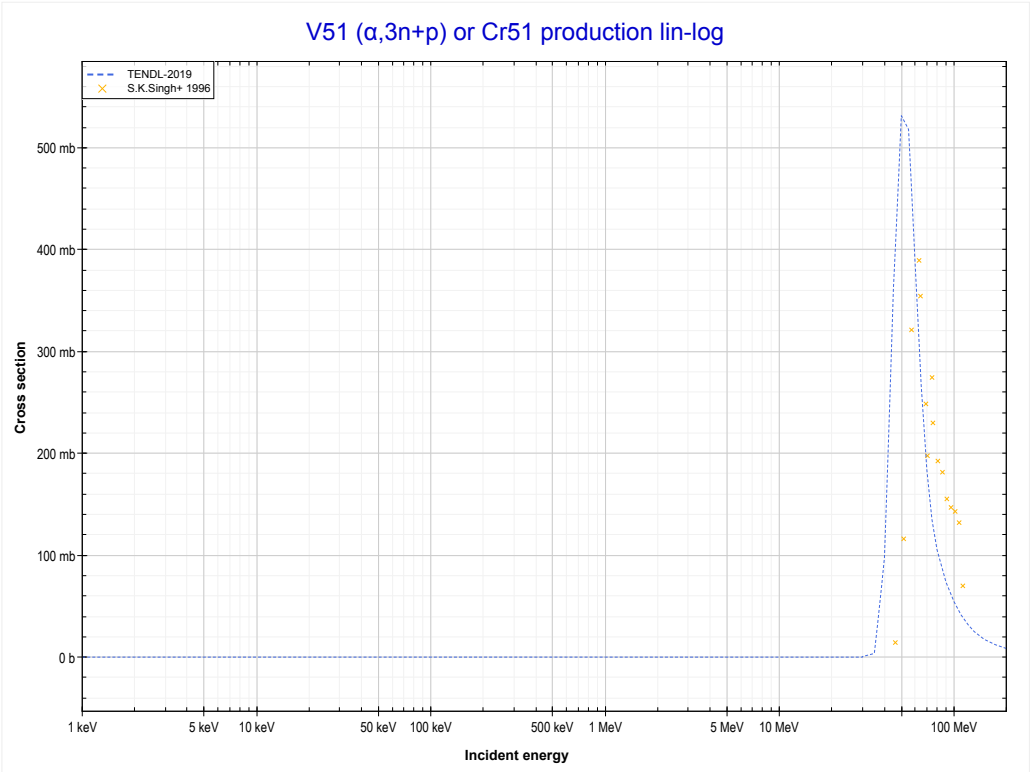
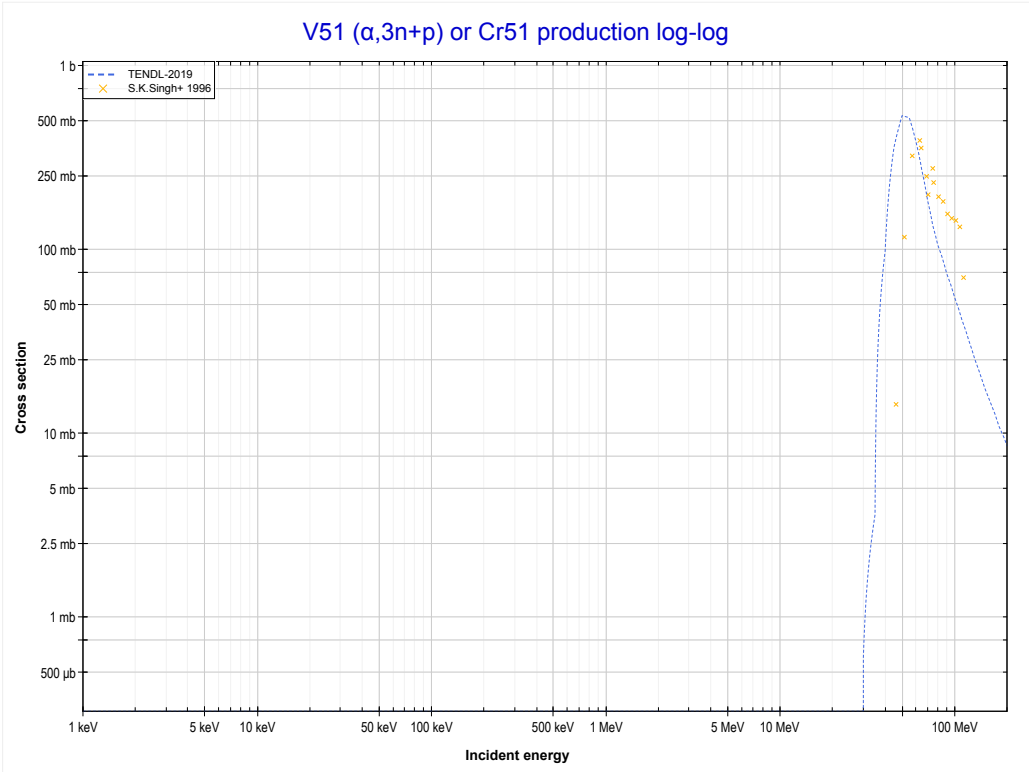
Reaction	Q-Value	Reaction	Q-Value
V51($\alpha, n+2\alpha$)Sc46	-20938.83 keV	V51($\alpha, p+d+2t$)Sc46	-58342.00 keV
V51($\alpha, d+t+\alpha$)Sc46	-38528.13 keV	V51($\alpha, n+d+t+\text{He3}$)Sc46	-59105.75 keV
V51($\alpha, n+p+t+\alpha$)Sc46	-40752.70 keV	V51($\alpha, n+2p+2t$)Sc46	-60566.56 keV
V51($\alpha, 2n+\text{He3}+\alpha$)Sc46	-41516.45 keV	V51($\alpha, 2n+p+t+\text{He3}$)Sc46	-61330.32 keV
V51($\alpha, n+2d+\alpha$)Sc46	-44785.36 keV	V51($\alpha, 3n+2\text{He3}$)Sc46	-62094.07 keV
V51($\alpha, 2n+p+d+\alpha$)Sc46	-47009.93 keV	V51($\alpha, 3d+t$)Sc46	-62374.66 keV
V51($\alpha, 3n+2p+\alpha$)Sc46	-49234.49 keV	V51($\alpha, n+p+2d+t$)Sc46	-64599.23 keV
V51($\alpha, 2t+\text{He3}$)Sc46	-52848.52 keV	V51($\alpha, 2n+2d+\text{He3}$)Sc46	-65362.98 keV

<< 22-Ti-48	23-V-51	30-Zn-67 >>
<< MT29 ($\alpha,n+2\alpha$)	MT33 ($\alpha,n+t$) or MT5 (Cr51 production)	MT42 ($\alpha,3n+p$) >>



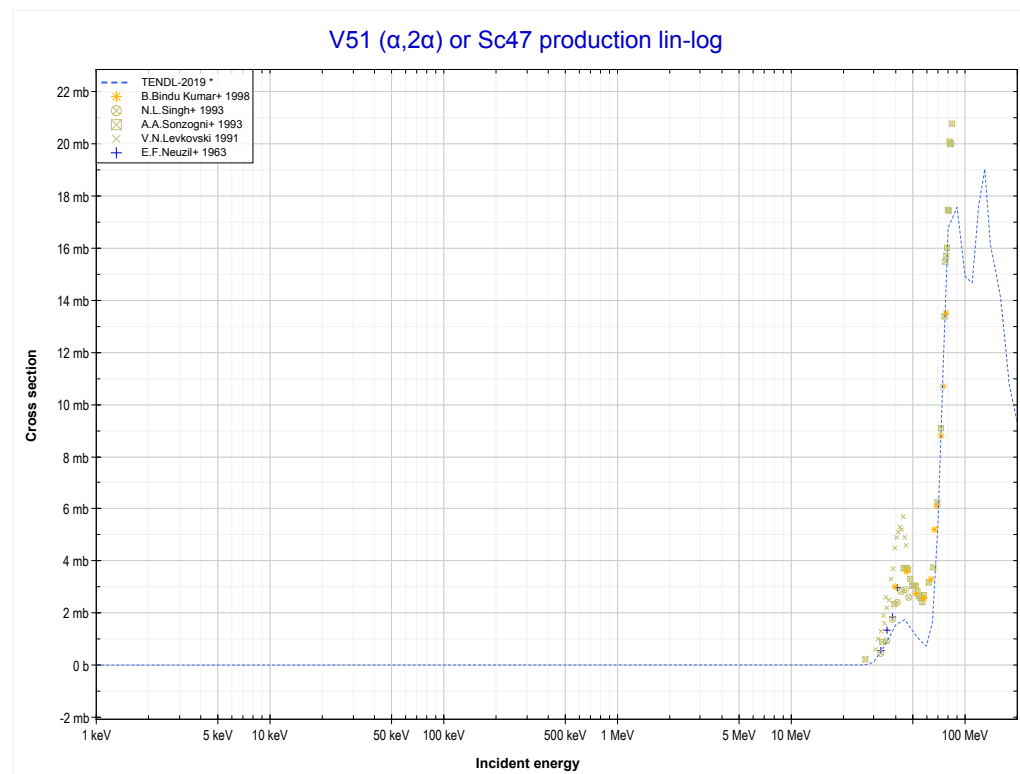
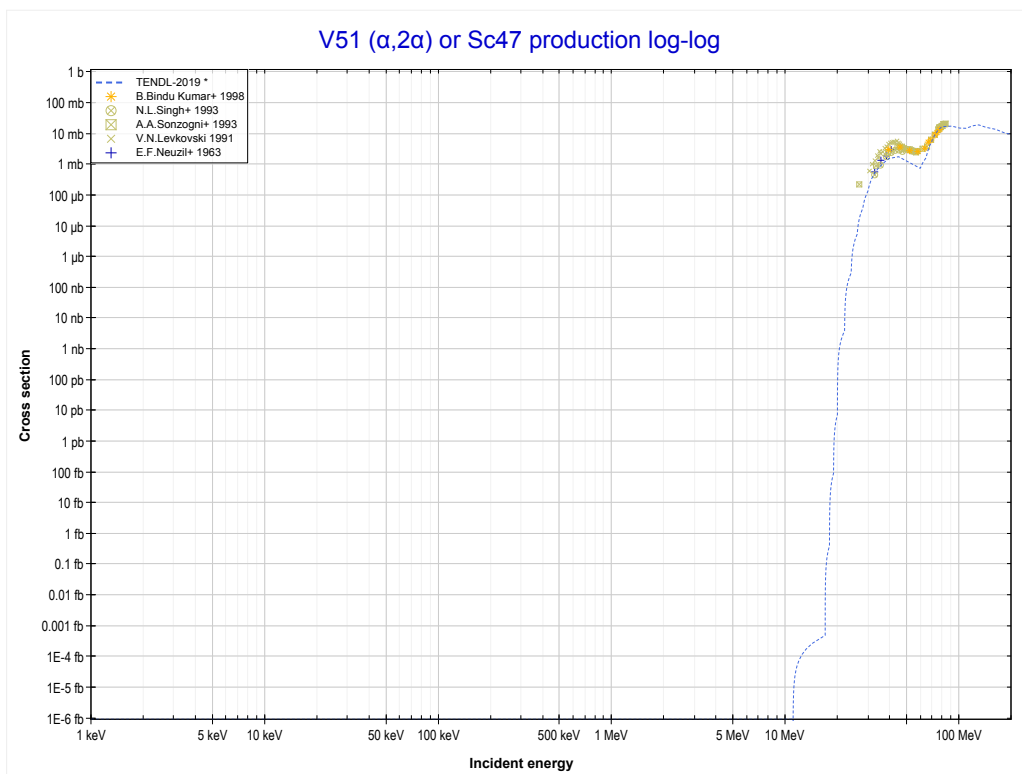
Reaction	Q-Value
V51($\alpha,n+t$)Cr51	-21348.61 keV
V51($\alpha,2n+d$)Cr51	-27605.84 keV
V51($\alpha,3n+p$)Cr51	-29830.41 keV

<< 22-Ti-48	23-V-51	26-Fe-56 >>
<< MT33 (α ,n+t)	MT42 (α ,3n+p) or MT5 (Cr51 production)	MT108 (α ,2 α) >>



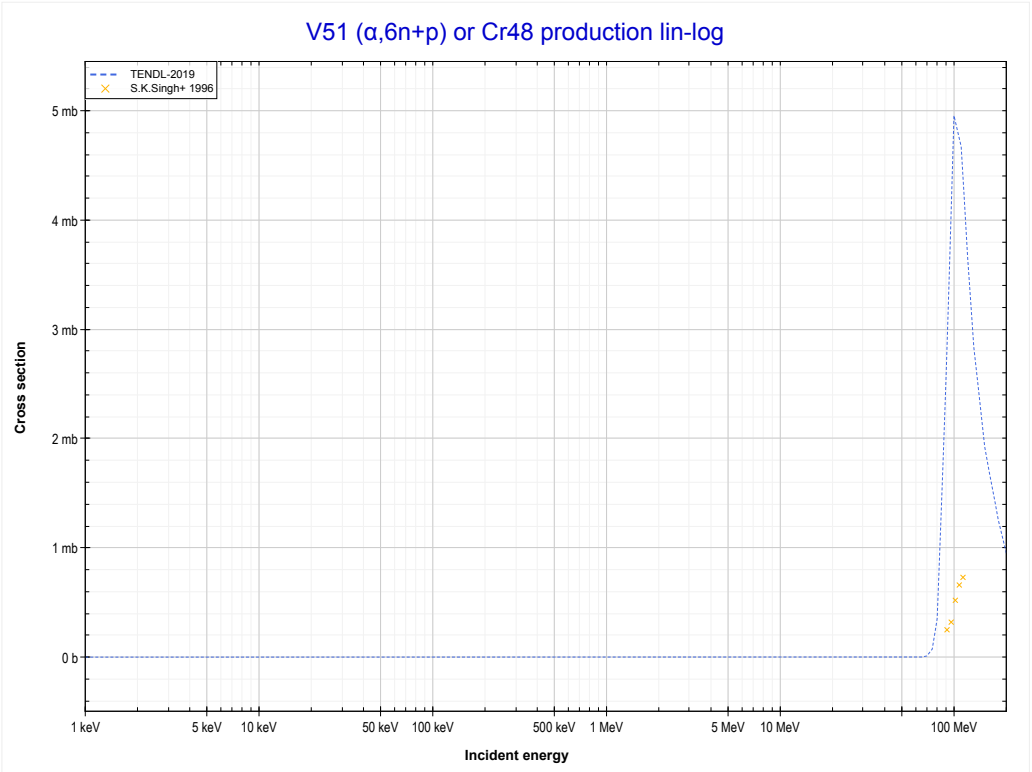
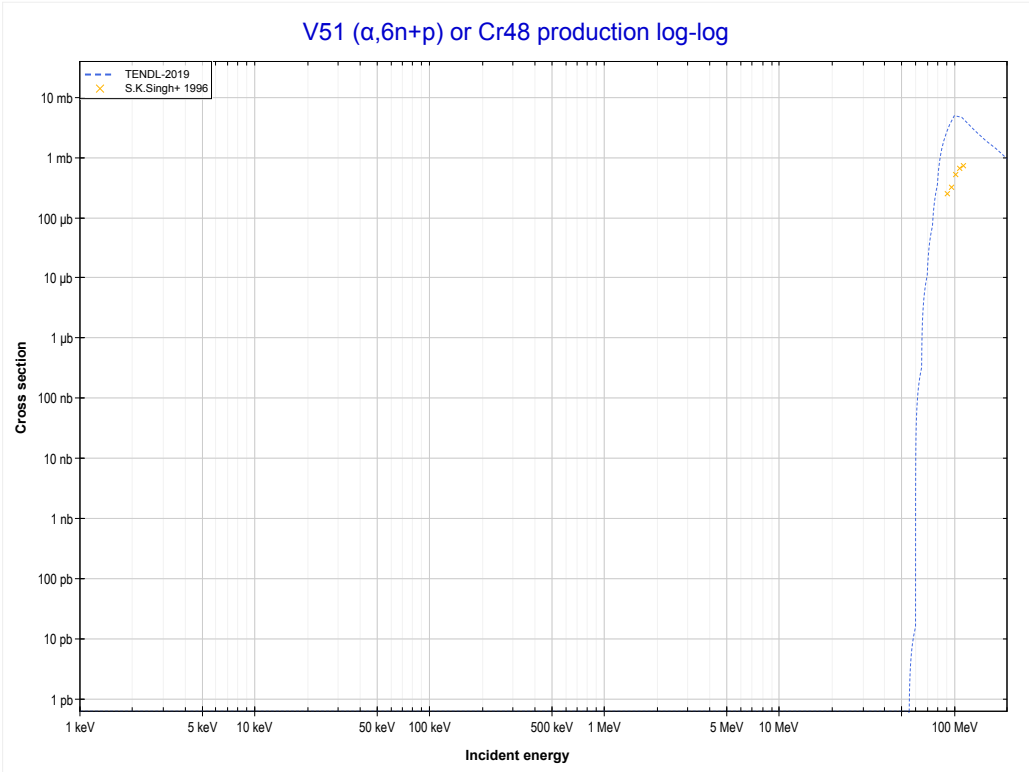
Reaction	Q-Value
V51(α ,n+t)Cr51	-21348.61 keV
V51(α ,2n+d)Cr51	-27605.84 keV
V51(α ,3n+p)Cr51	-29830.41 keV

<< 7-N-14	23-V-51	
<< MT42 ($\alpha,3n+p$)	MT108 ($\alpha,2\alpha$) or MT5 (Sc47 production)	MT163 ($\alpha,6n+p$) >>



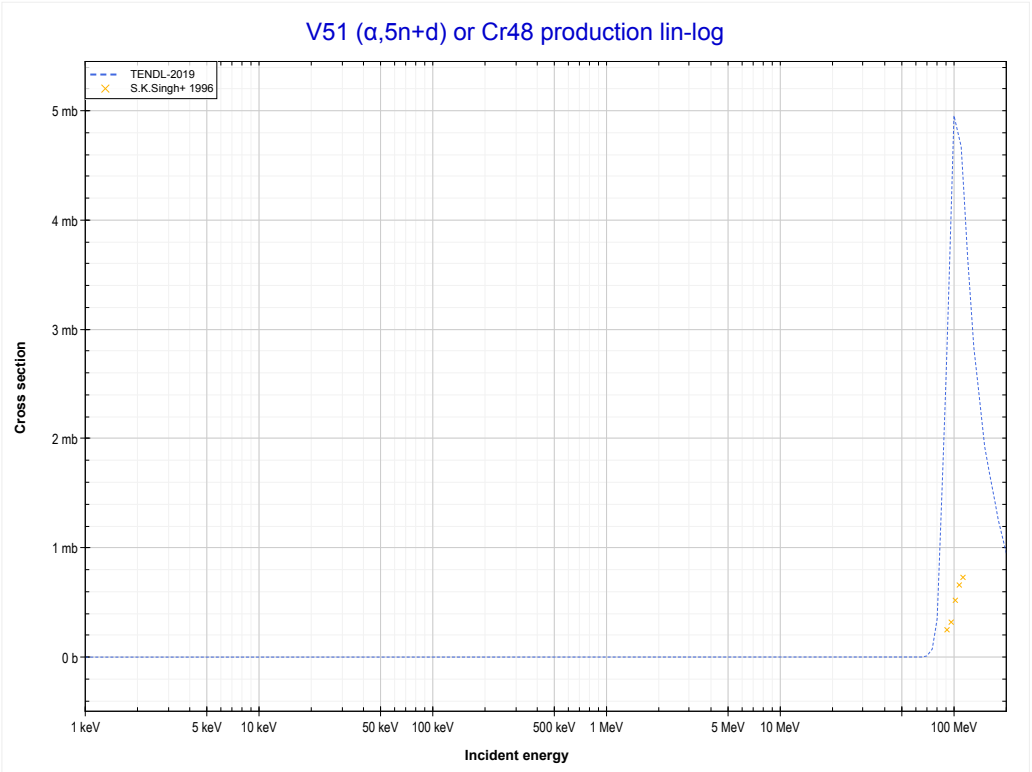
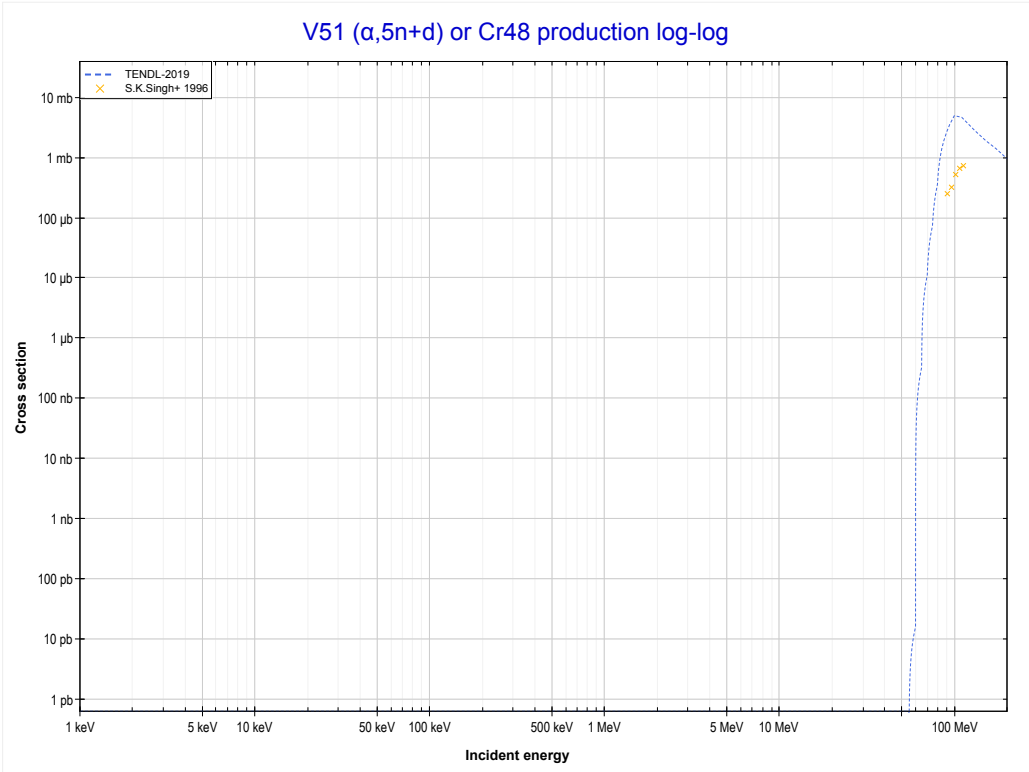
Reaction	Q-Value	Reaction	Q-Value
V51($\alpha,2\alpha$)Sc47	-10292.12 keV	V51($\alpha,n+p+t+He3$)Sc47	-50683.60 keV
V51($\alpha,p+t+\alpha$)Sc47	-30105.98 keV	V51($\alpha,2n+2He3$)Sc47	-51447.35 keV
V51($\alpha,n+He3+\alpha$)Sc47	-30869.73 keV	V51($\alpha,p+2d+t$)Sc47	-53952.51 keV
V51($\alpha,2d+\alpha$)Sc47	-34138.64 keV	V51($\alpha,n+2d+He3$)Sc47	-54716.26 keV
V51($\alpha,n+p+d+\alpha$)Sc47	-36363.21 keV	V51($\alpha,n+2p+d+t$)Sc47	-56177.07 keV
V51($\alpha,2n+2p+\alpha$)Sc47	-38587.78 keV	V51($\alpha,2n+p+d+He3$)Sc47	-56940.83 keV
V51($\alpha,d+t+He3$)Sc47	-48459.03 keV	V51($\alpha,4d$)Sc47	-57985.17 keV
V51($\alpha,2p+2t$)Sc47	-49919.85 keV	V51($\alpha,2n+3p+t$)Sc47	-58401.64 keV

	23-V-51	82-Pb-206 >>
<< MT108 ($\alpha,2\alpha$)	MT163 ($\alpha,6n+p$) or MT5 (Cr48 production)	MT170 ($\alpha,5n+d$) >>



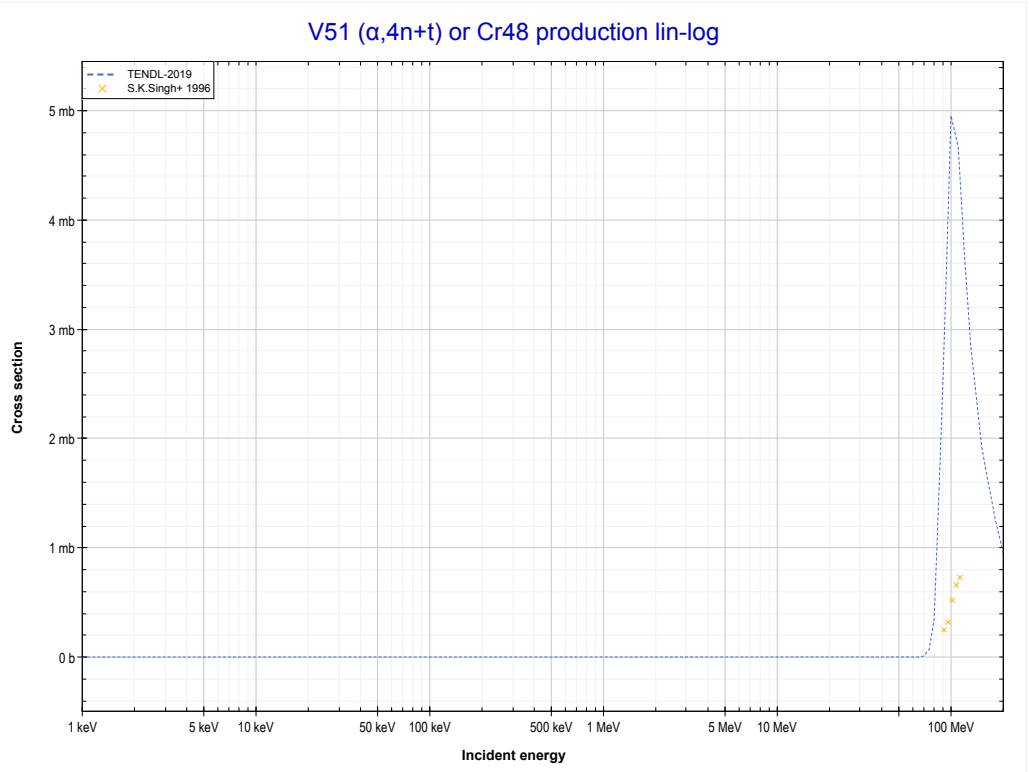
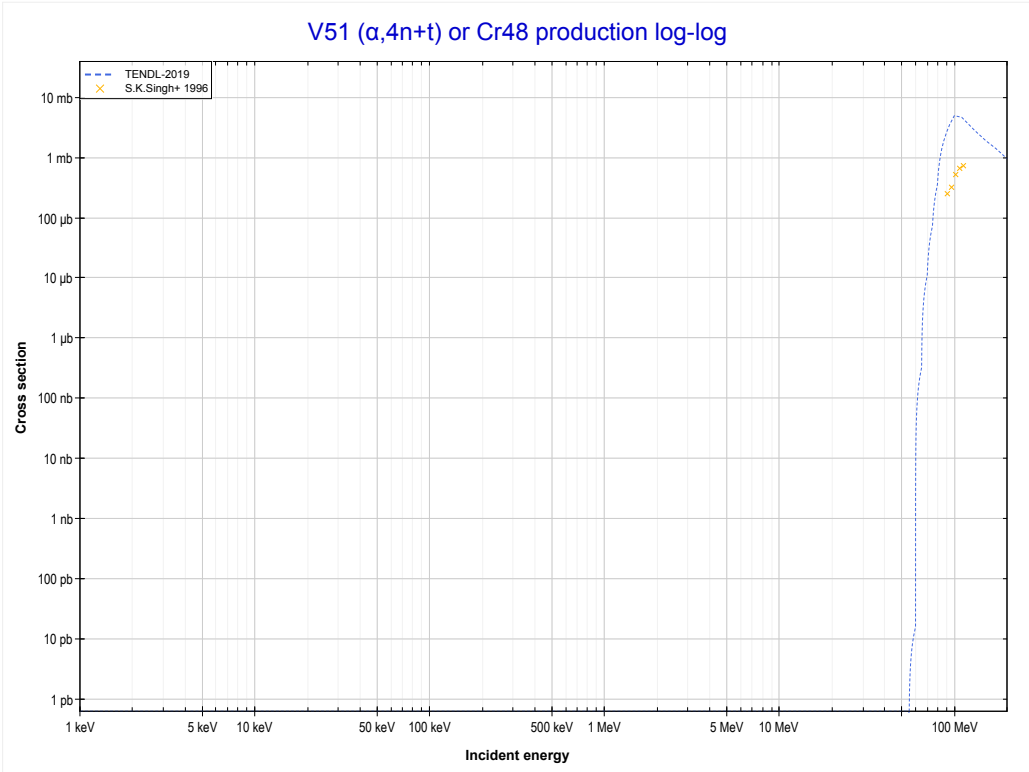
Reaction	Q-Value
V51($\alpha,4n+t$)Cr48	-54191.96 keV
V51($\alpha,5n+d$)Cr48	-60449.19 keV
V51($\alpha,6n+p$)Cr48	-62673.76 keV

	23-V-51	82-Pb-206 >>
<< MT163 ($\alpha,6n+p$)	MT170 ($\alpha,5n+d$) or MT5 (Cr48 production)	MT173 ($\alpha,4n+t$) >>



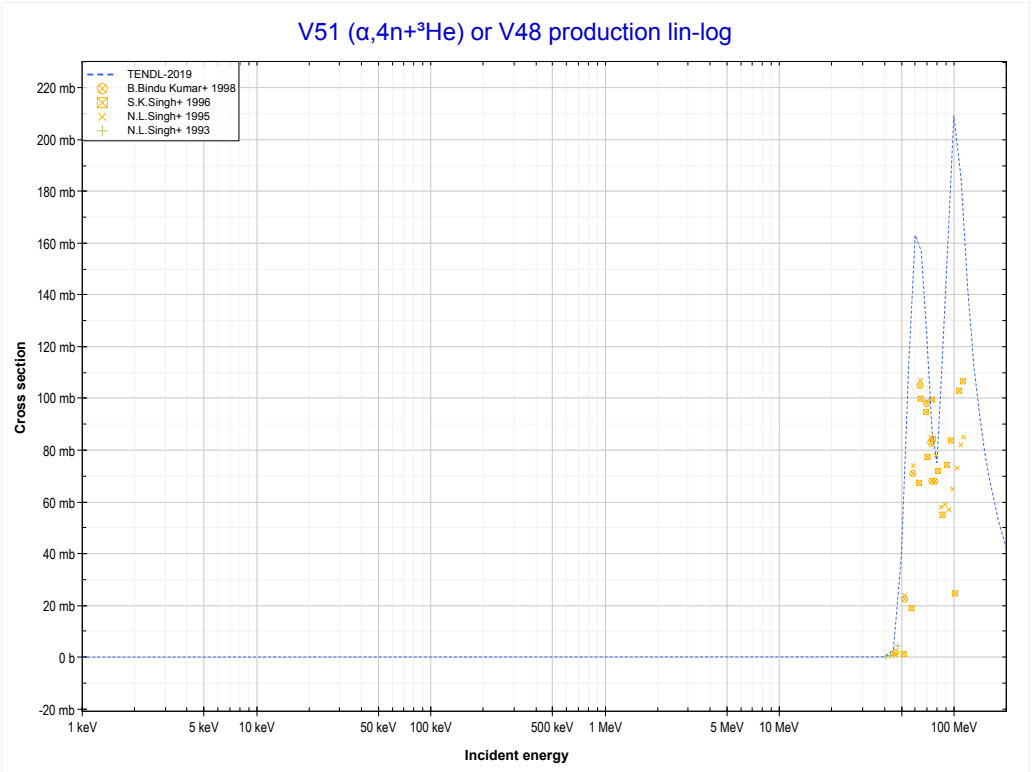
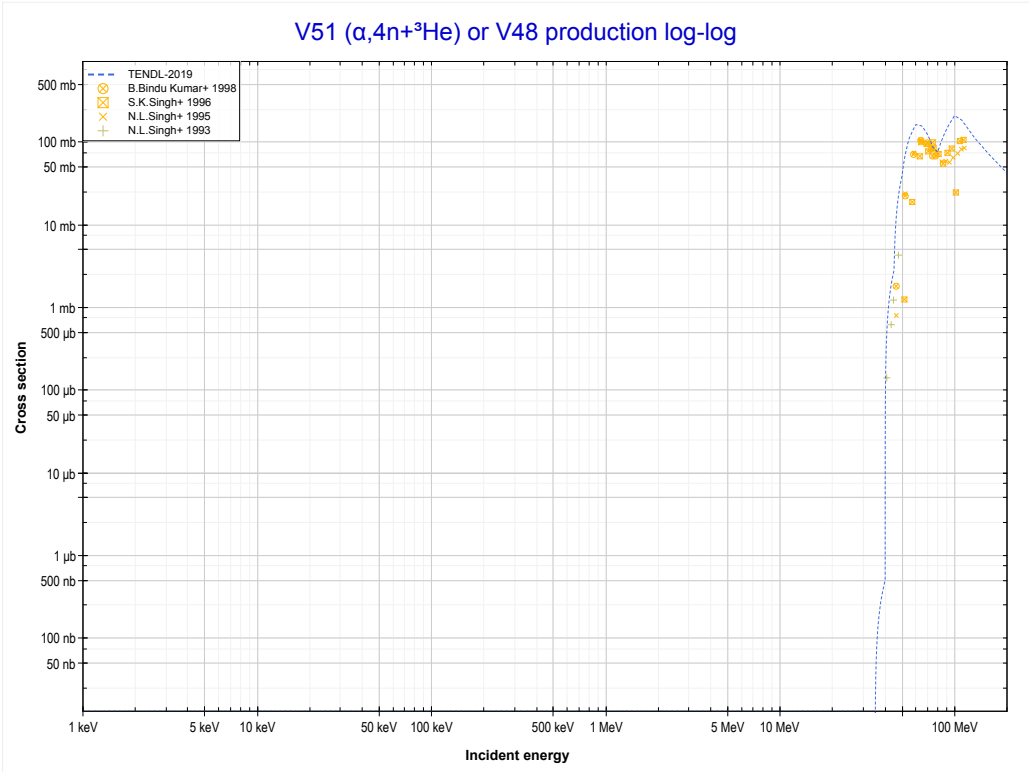
Reaction	Q-Value
V51($\alpha,4n+t$)Cr48	-54191.96 keV
V51($\alpha,5n+d$)Cr48	-60449.19 keV
V51($\alpha,6n+p$)Cr48	-62673.76 keV

	23-V-51	82-Pb-206 >>
<< MT170 (α ,5n+d)	MT173 (α ,4n+t) or MT5 (Cr48 production)	MT178 (α ,4n+ ^{3} He) >>



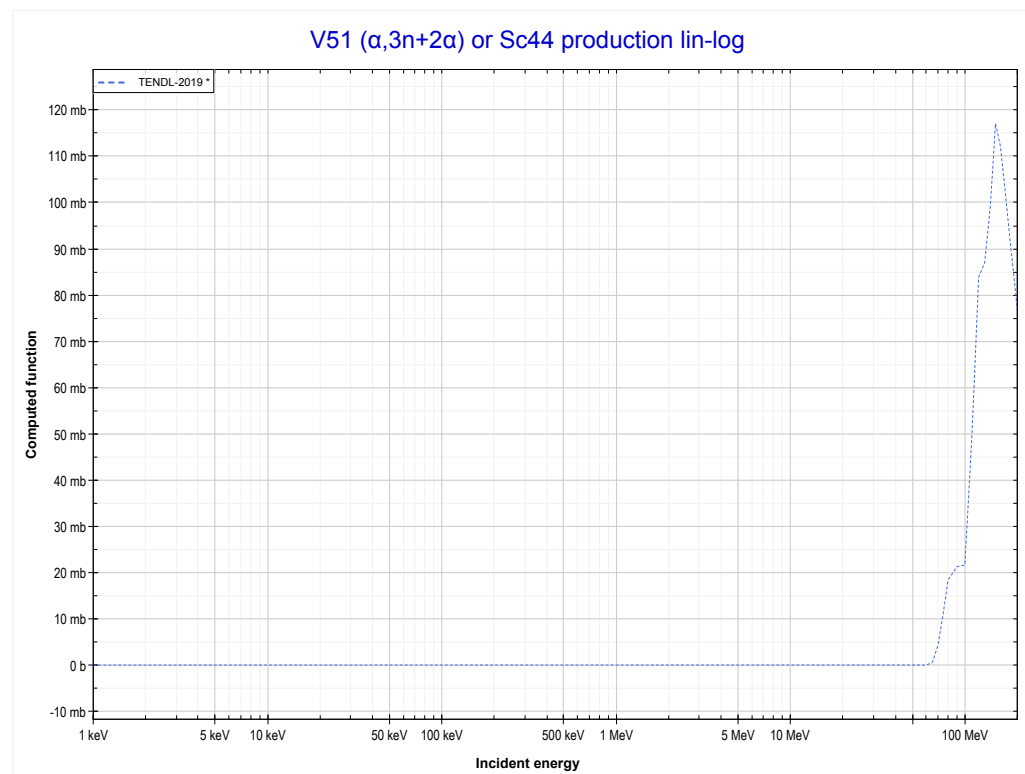
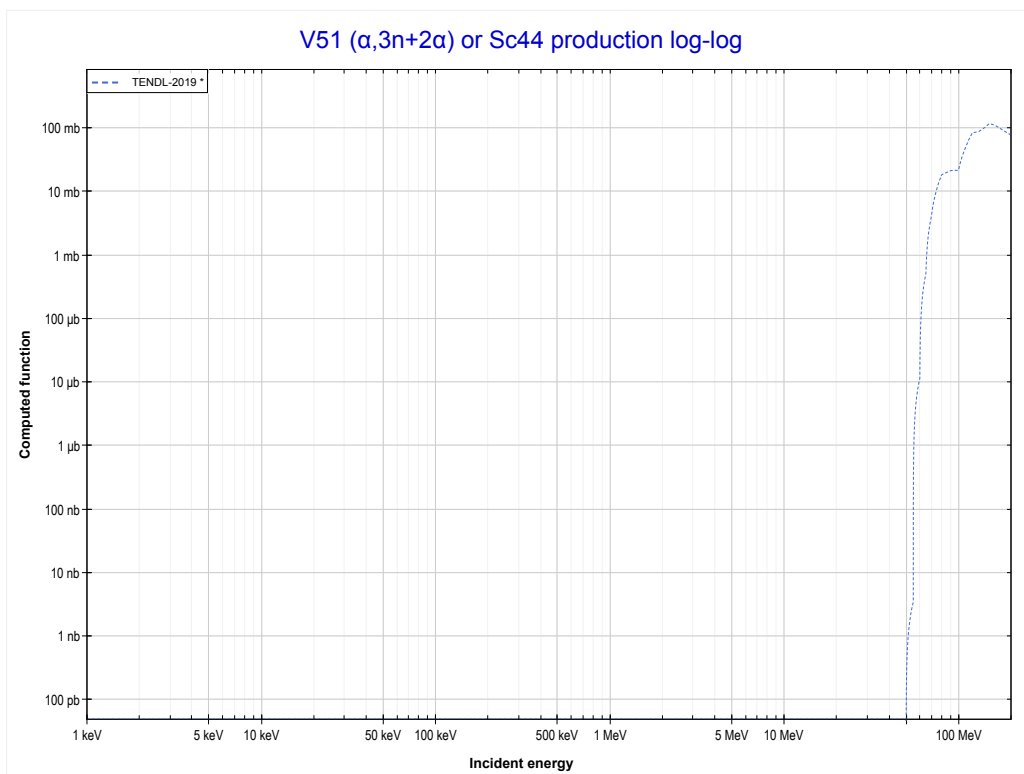
Reaction	Q-Value
V51(α ,4n+t)Cr48	-54191.96 keV
V51(α ,5n+d)Cr48	-60449.19 keV
V51(α ,6n+p)Cr48	-62673.76 keV

	23-V-51	25-Mn-55 >>
<< MT173 ($\alpha,4n+t$)	MT178 ($\alpha,4n+^3\text{He}$) or MT5 (V48 production)	MT180 ($\alpha,3n+2\alpha$) >>



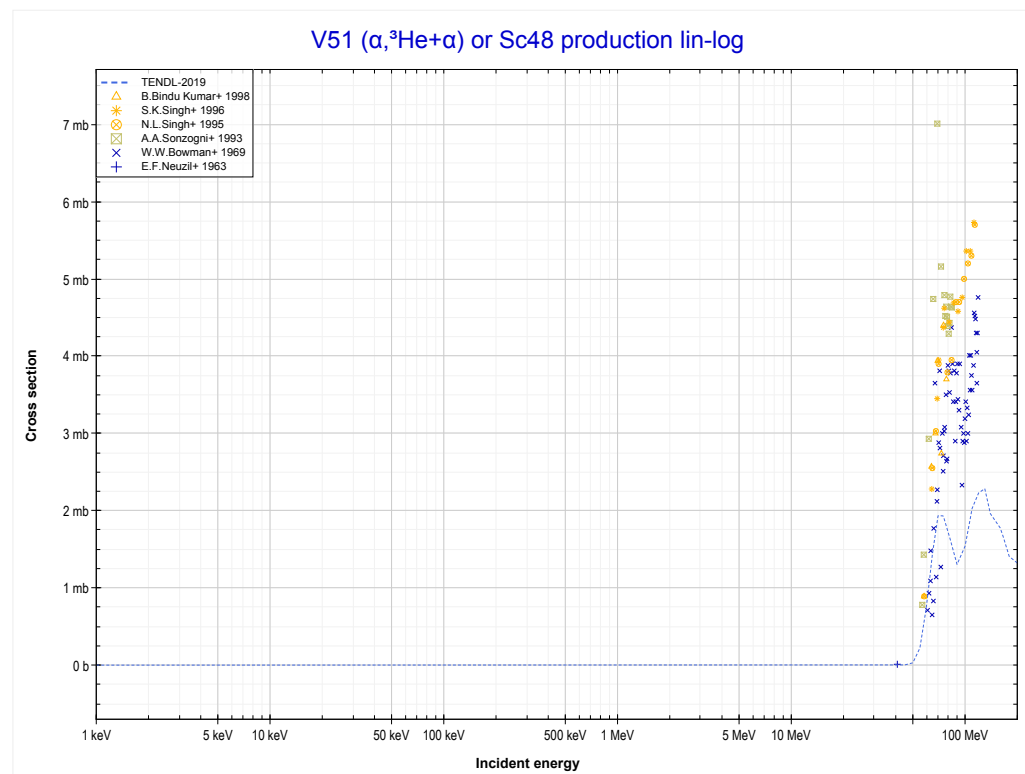
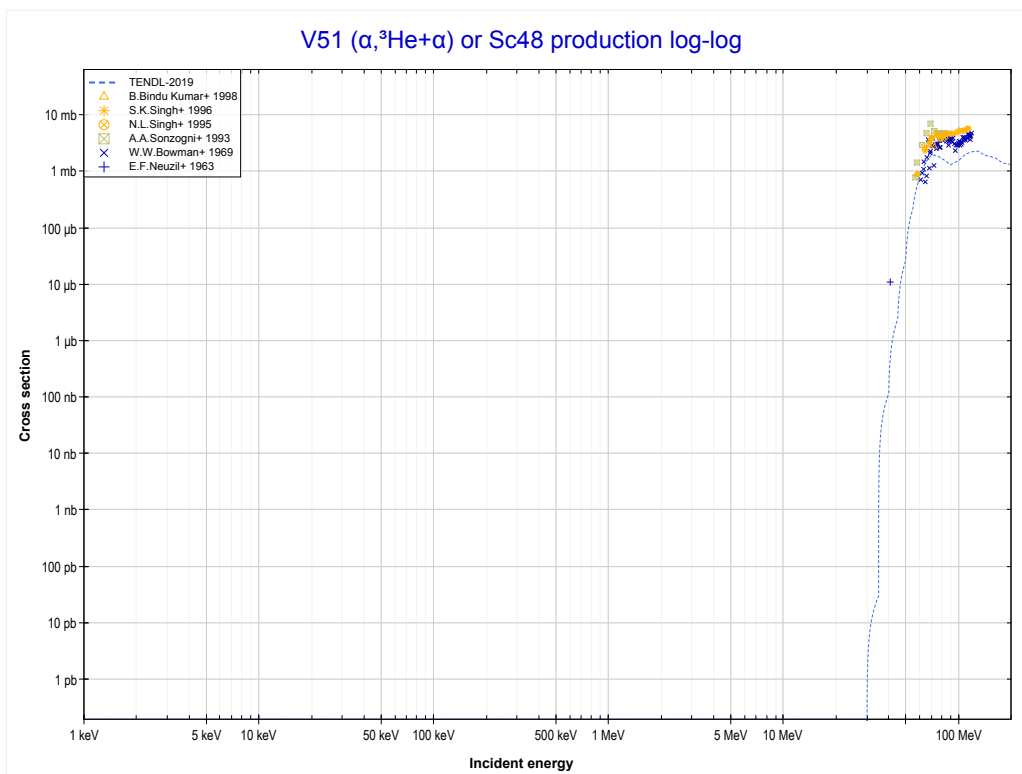
Reaction	Q-Value
V51($\alpha,3n+\alpha$)V48	-31940.05 keV
V51($\alpha,n+2t$)V48	-43272.12 keV
V51($\alpha,2n+d+t$)V48	-49529.35 keV
V51($\alpha,3n+p+t$)V48	-51753.92 keV
V51($\alpha,4n+^3\text{He}$)V48	-52517.67 keV
V51($\alpha,3n+2d$)V48	-55786.58 keV
V51($\alpha,4n+p+d$)V48	-58011.15 keV
V51($\alpha,5n+2p$)V48	-60235.71 keV

	23-V-51	27-Co-59 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT180 ($\alpha,3n+2\alpha$) or MT5 (Sc44 production)	MT193 ($\alpha,^3\text{He}+\alpha$) >>



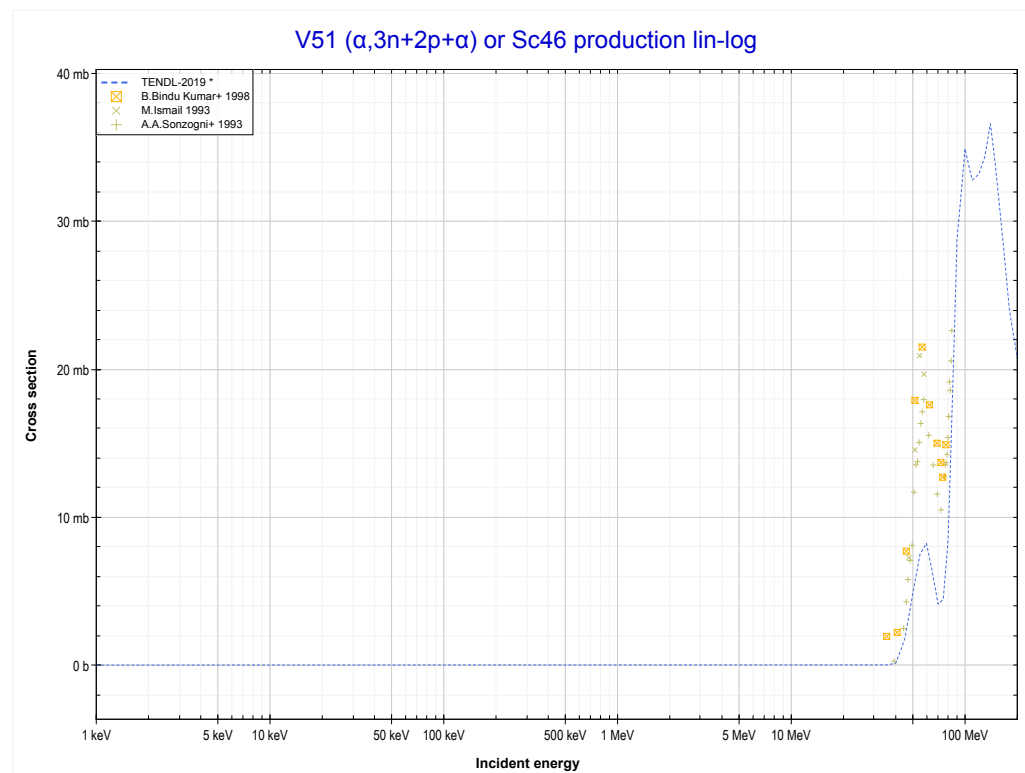
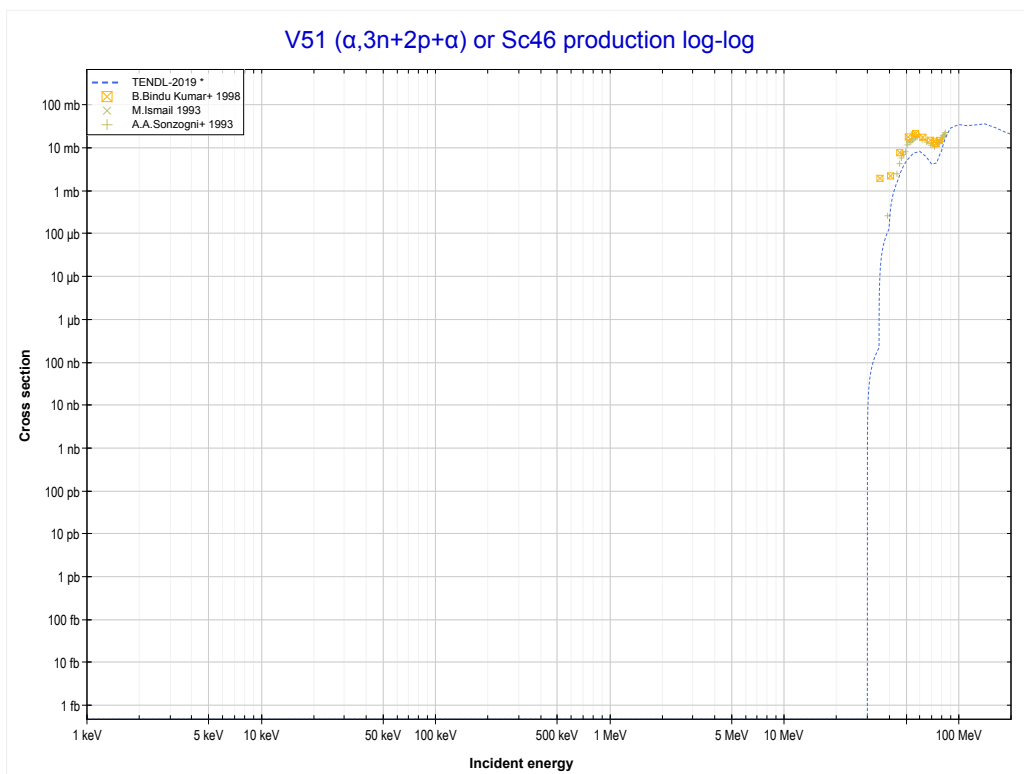
Reaction	Q-Value	Reaction	Q-Value
V51($\alpha,3n+2\alpha$)Sc44	-41026.67 keV	V51($\alpha,d+3t$)Sc44	-69948.04 keV
V51($\alpha,n+2t+\alpha$)Sc44	-52358.74 keV	V51($\alpha,n+p+3t$)Sc44	-72172.60 keV
V51($\alpha,2n+d+t+\alpha$)Sc44	-58615.97 keV	V51($\alpha,2n+2t+\text{He3}$)Sc44	-72936.36 keV
V51($\alpha,3n+p+t+\alpha$)Sc44	-60840.53 keV	V51($\alpha,n+2d+2t$)Sc44	-76205.26 keV
V51($\alpha,4n+\text{He3}+\alpha$)Sc44	-61604.29 keV	V51($\alpha,2n+p+d+2t$)Sc44	-78429.83 keV
V51($\alpha,3n+2d+\alpha$)Sc44	-64873.19 keV	V51($\alpha,3n+d+t+\text{He3}$)Sc44	-79193.59 keV
V51($\alpha,4n+p+d+\alpha$)Sc44	-67097.76 keV	V51($\alpha,3n+2p+2t$)Sc44	-80654.40 keV
V51($\alpha,5n+2p+\alpha$)Sc44	-69322.33 keV	V51($\alpha,4n+p+t+\text{He3}$)Sc44	-81418.15 keV

<< 13-Al-27	23-V-51	27-Co-59 >>
<< MT180 ($\alpha, 3n+2\alpha$)	MT193 ($\alpha, {}^3\text{He}+\alpha$) or MT5 (Sc48 production)	MT199 ($\alpha, 3n+2p+\alpha$) >>



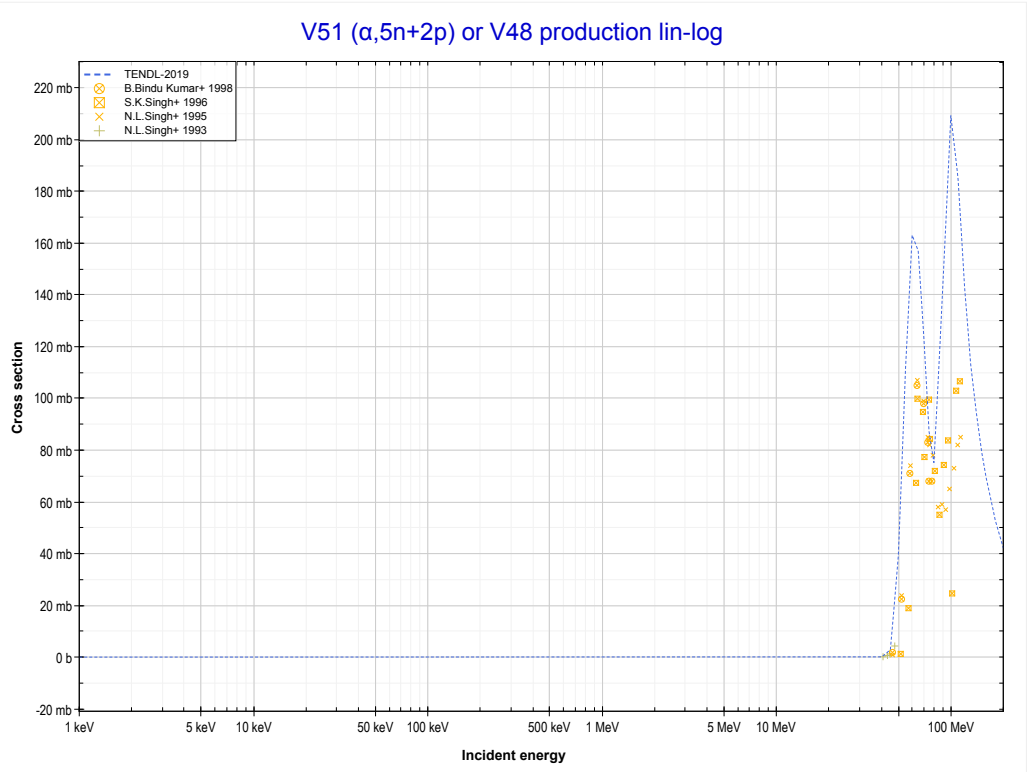
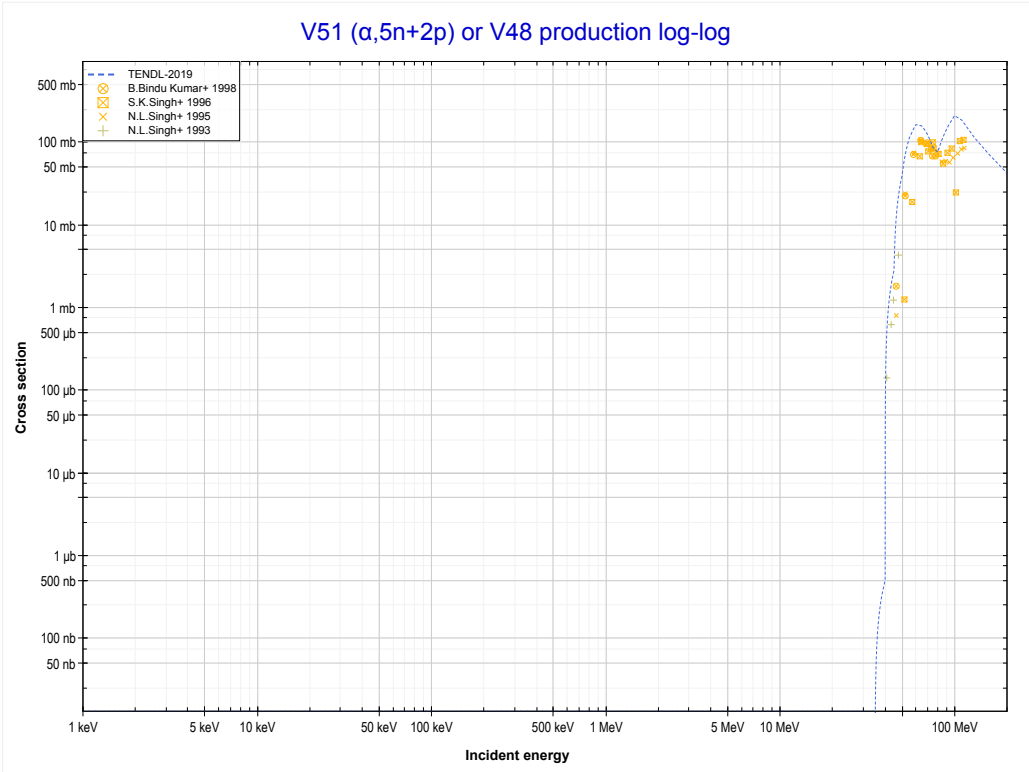
Reaction	Q-Value	Reaction	Q-Value
V51($\alpha, \text{He3}+\alpha$)Sc48	-22631.02 keV	V51($\alpha, n+3p+t$)Sc48	-50162.92 keV
V51($\alpha, p+d+\alpha$)Sc48	-28124.49 keV	V51($\alpha, 2n+2p+\text{He3}$)Sc48	-50926.68 keV
V51($\alpha, n+2p+\alpha$)Sc48	-30349.06 keV	V51($\alpha, p+3d$)Sc48	-51971.02 keV
V51($\alpha, p+t+\text{He3}$)Sc48	-42444.88 keV	V51($\alpha, n+2p+2d$)Sc48	-54195.59 keV
V51($\alpha, n+2\text{He3}$)Sc48	-43208.64 keV	V51($\alpha, 2n+3p+d$)Sc48	-56420.15 keV
V51($\alpha, 2d+\text{He3}$)Sc48	-46477.55 keV	V51($\alpha, 3n+4p$)Sc48	-58644.72 keV
V51($\alpha, 2p+d+t$)Sc48	-47938.36 keV		
V51($\alpha, n+p+d+\text{He3}$)Sc48	-48702.11 keV		

<< 13-Al-27	23-V-51	27-Co-59 >>
<< MT193 ($\alpha, {}^3\text{He}+\alpha$)	MT199 ($\alpha, 3n+2p+\alpha$) or MT5 (Sc46 production)	MT200 ($\alpha, 5n+2p$) >>



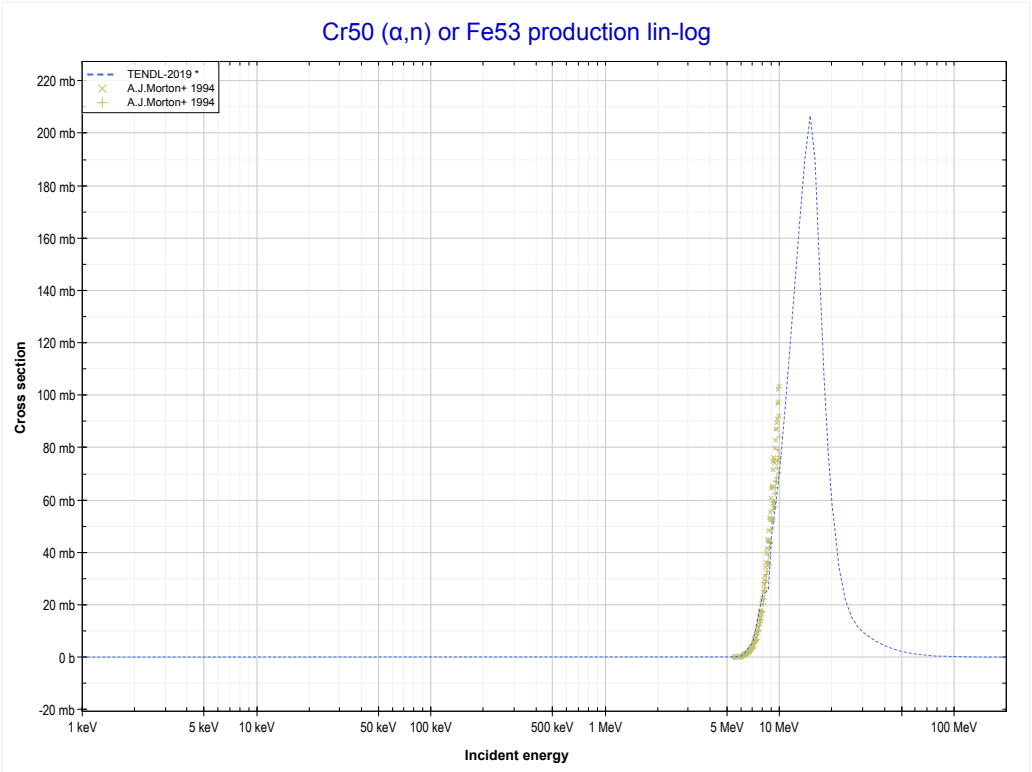
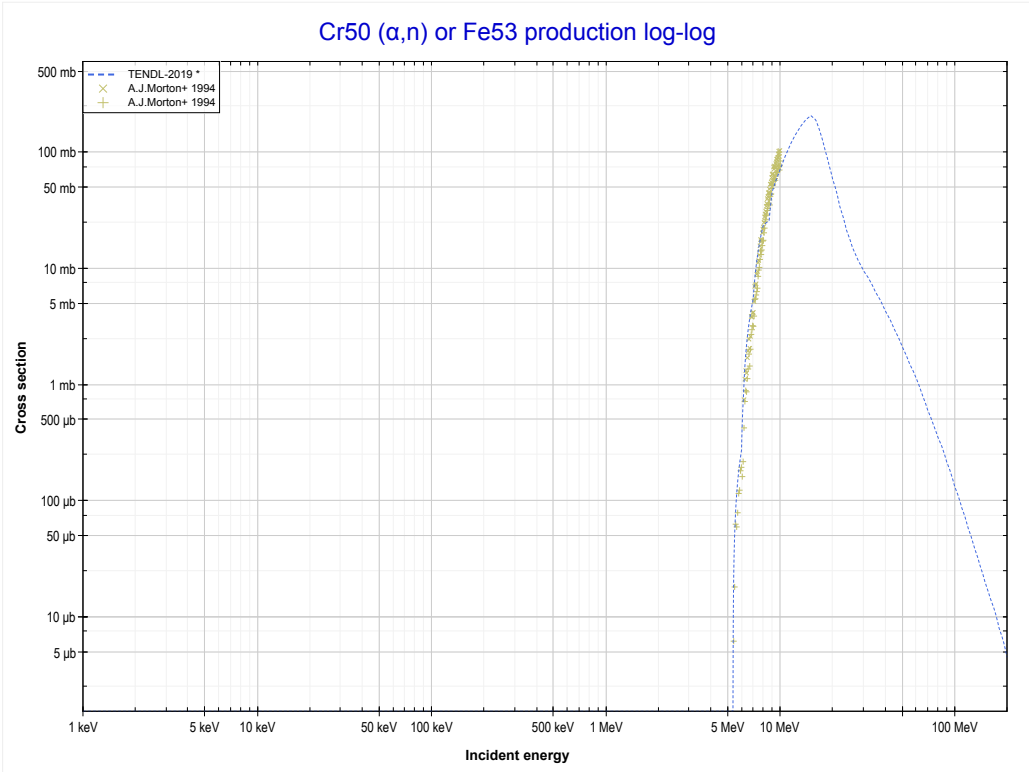
Reaction	Q-Value	Reaction	Q-Value
V51($\alpha, n+2\alpha$)Sc46	-20938.83 keV	V51($\alpha, p+d+2t$)Sc46	-58342.00 keV
V51($\alpha, d+t+\alpha$)Sc46	-38528.13 keV	V51($\alpha, n+d+t+{}^3\text{He}$)Sc46	-59105.75 keV
V51($\alpha, n+p+t+\alpha$)Sc46	-40752.70 keV	V51($\alpha, n+2p+2t$)Sc46	-60566.56 keV
V51($\alpha, 2n+{}^3\text{He}+\alpha$)Sc46	-41516.45 keV	V51($\alpha, 2n+p+t+{}^3\text{He}$)Sc46	-61330.32 keV
V51($\alpha, n+2d+\alpha$)Sc46	-44785.36 keV	V51($\alpha, 3n+2{}^3\text{He}$)Sc46	-62094.07 keV
V51($\alpha, 2n+p+d+\alpha$)Sc46	-47009.93 keV	V51($\alpha, 3d+t$)Sc46	-62374.66 keV
V51($\alpha, 3n+2p+\alpha$)Sc46	-49234.49 keV	V51($\alpha, n+p+2d+t$)Sc46	-64599.23 keV
V51($\alpha, 2t+{}^3\text{He}$)Sc46	-52848.52 keV	V51($\alpha, 2n+2d+{}^3\text{He}$)Sc46	-65362.98 keV

	23-V-51	25-Mn-55 >>
<< MT199 ($\alpha,3n+2p+\alpha$)	MT200 ($\alpha,5n+2p$) or MT5 (V48 production)	24-Cr-50 MT4 (α,n) >>



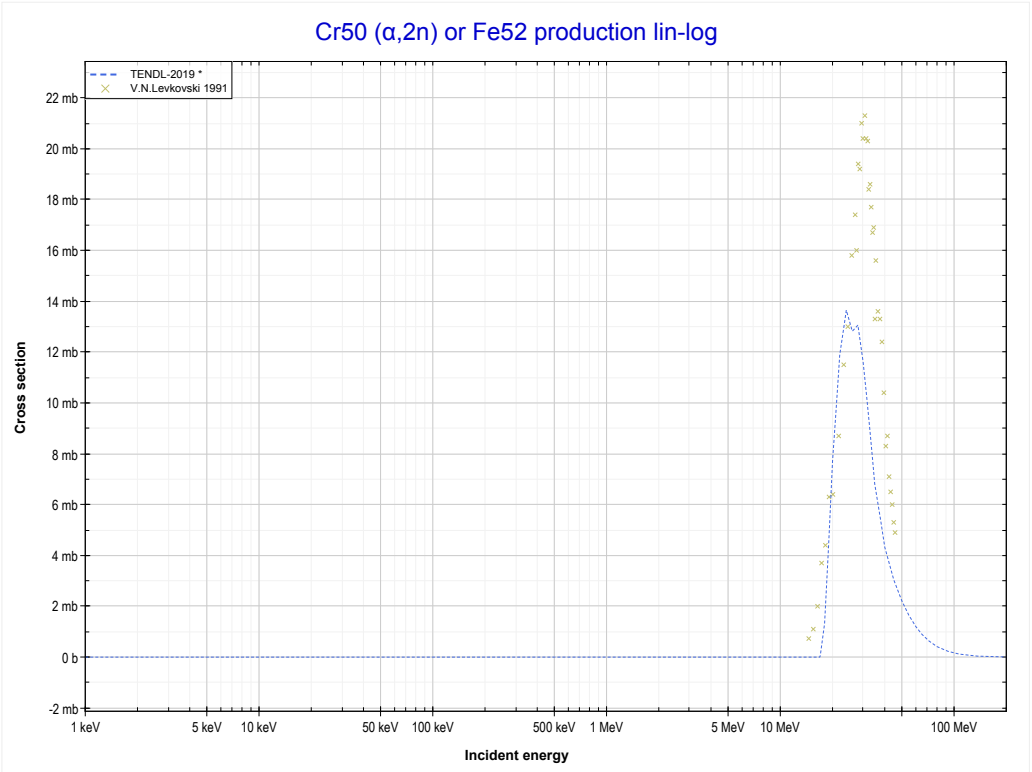
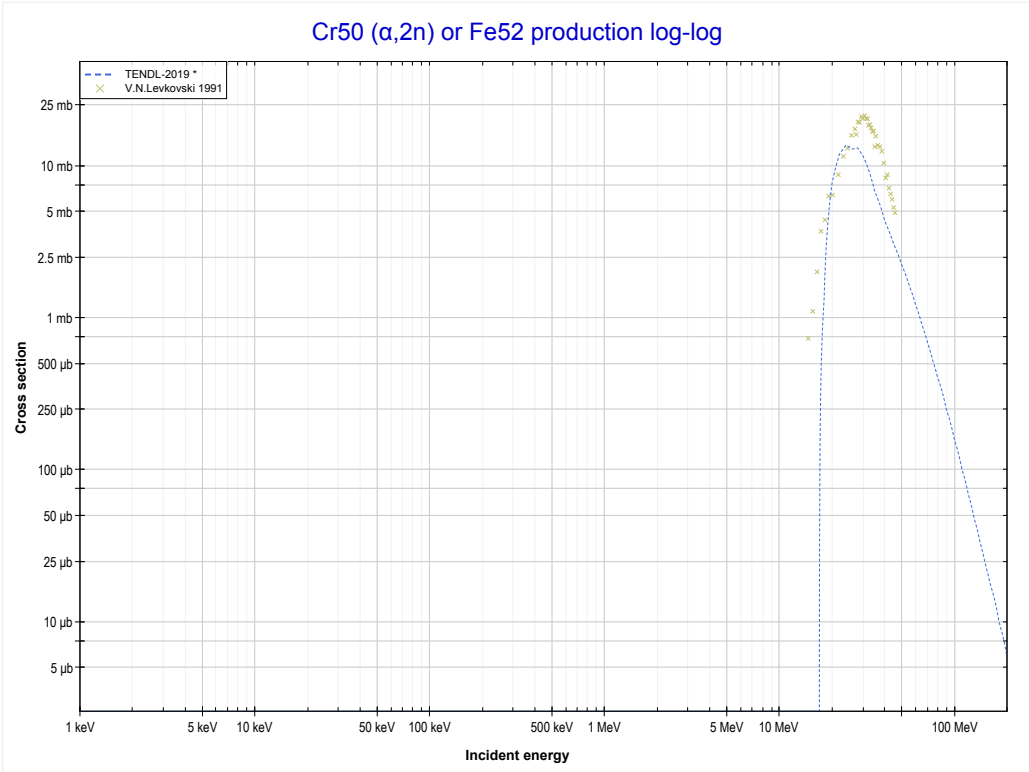
Reaction	Q-Value
V51($\alpha,3n+\alpha$)V48	-31940.05 keV
V51($\alpha,n+2t$)V48	-43272.12 keV
V51($\alpha,2n+d+t$)V48	-49529.35 keV
V51($\alpha,3n+p+t$)V48	-51753.92 keV
V51($\alpha,4n+He3$)V48	-52517.67 keV
V51($\alpha,3n+2d$)V48	-55786.58 keV
V51($\alpha,4n+p+d$)V48	-58011.15 keV
V51($\alpha,5n+2p$)V48	-60235.71 keV

<< 23-V-51	24-Cr-50	25-Mn-55 >>
<< 23-V-51 MT200 (α ,5n+2p)	MT4 (α ,n) or MT5 (Fe53 production)	MT16 (α ,2n) >>



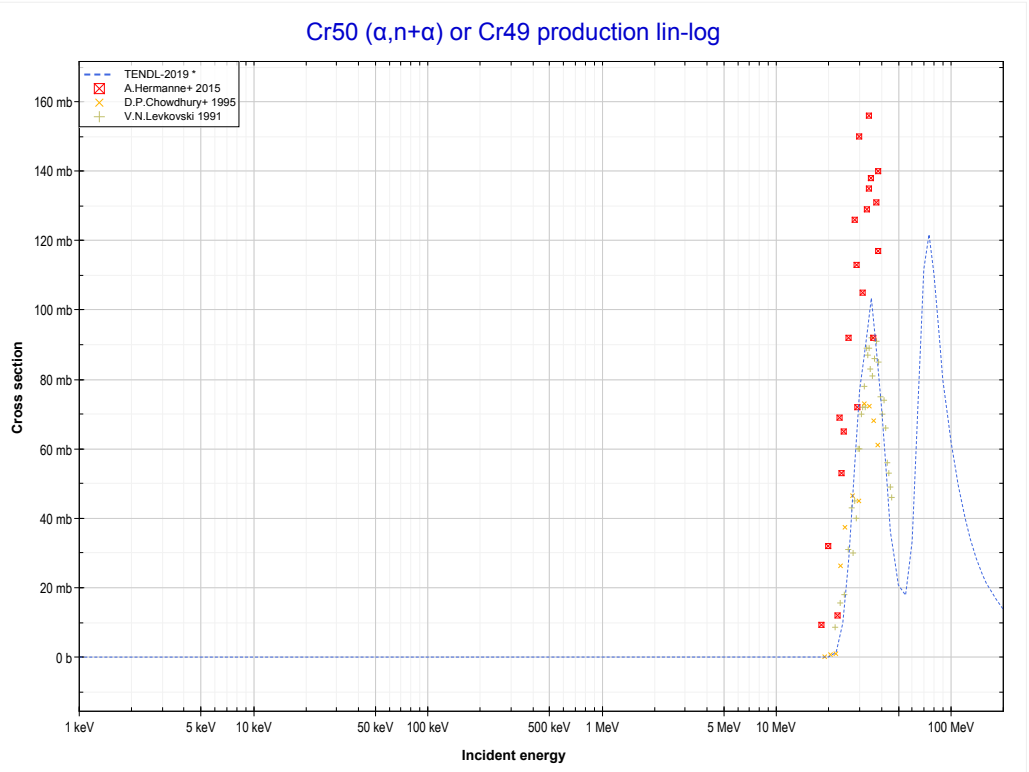
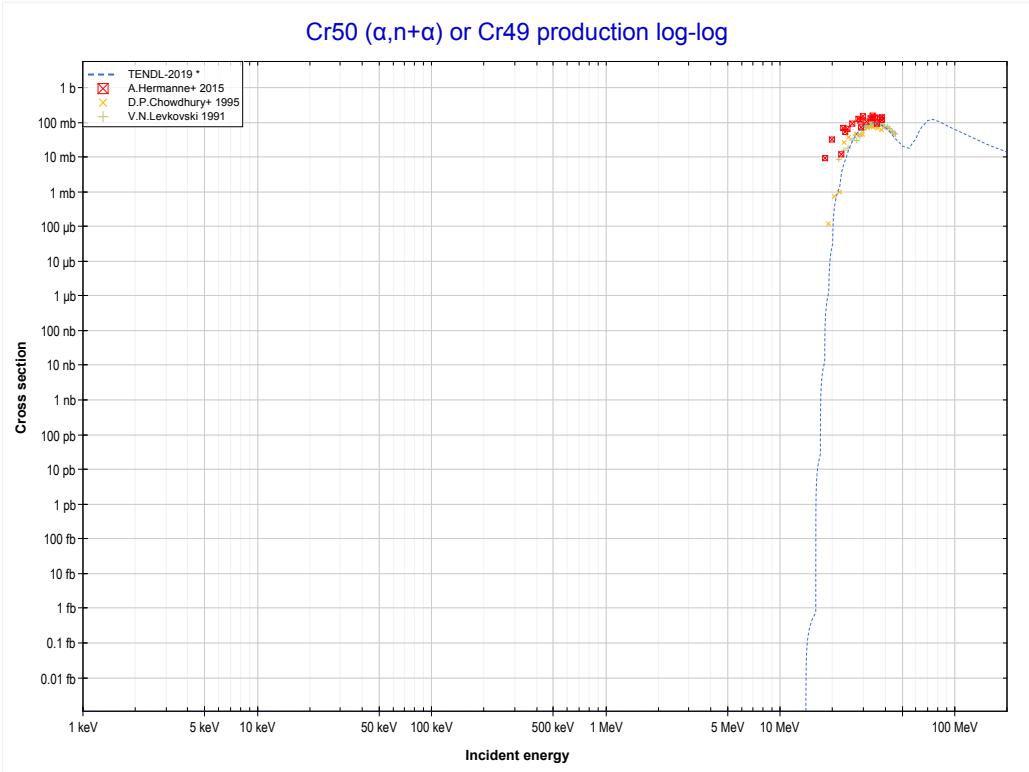
Reaction	Q-Value
Cr50(α ,n)Fe53	-4961.00 keV

<< 22-Ti-49	24-Cr-50	25-Mn-55 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Fe52 production)	MT22 (α,n+α) >>



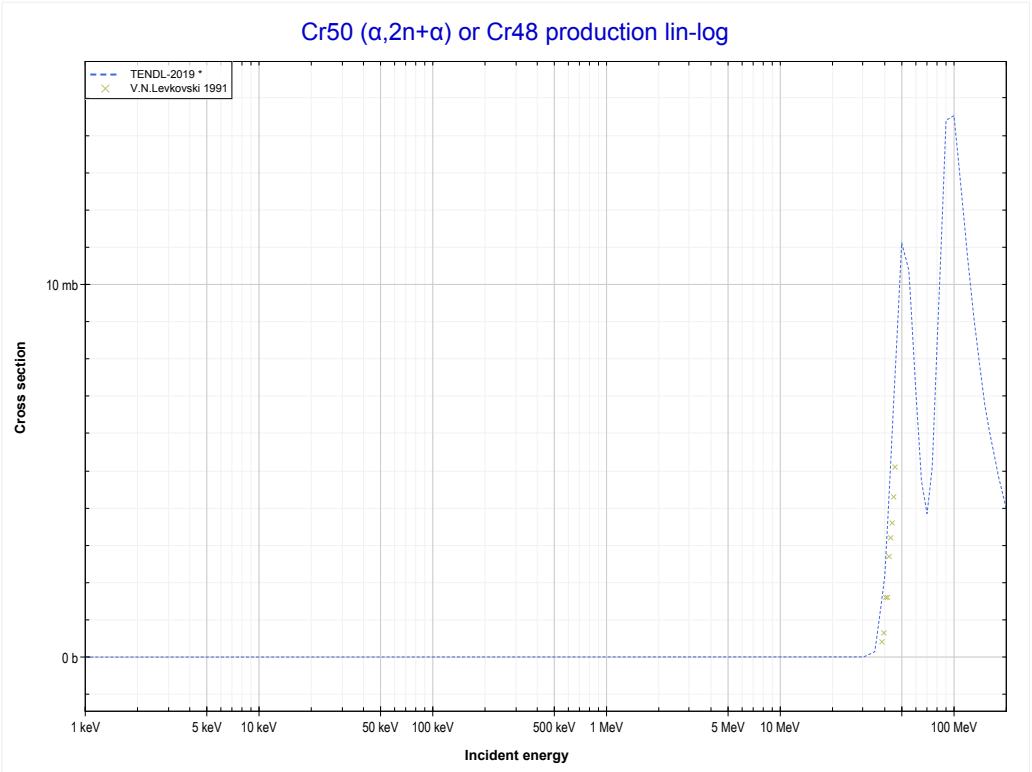
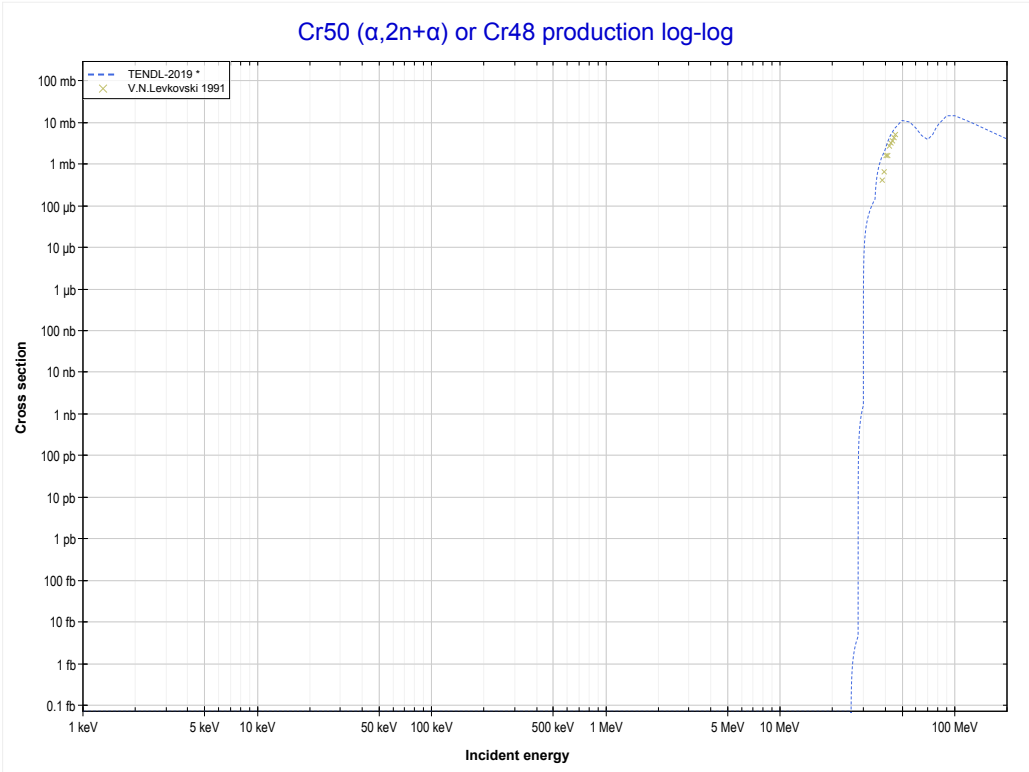
Reaction	Q-Value
Cr50(α,2n)Fe52	-15649.82 keV

<< 21-Sc-45	24-Cr-50	24-Cr-52 >>
<< MT16 ($\alpha,2n$)	MT22 ($\alpha,n+\alpha$) or MT5 (Cr49 production)	MT24 ($\alpha,2n+\alpha$) >>



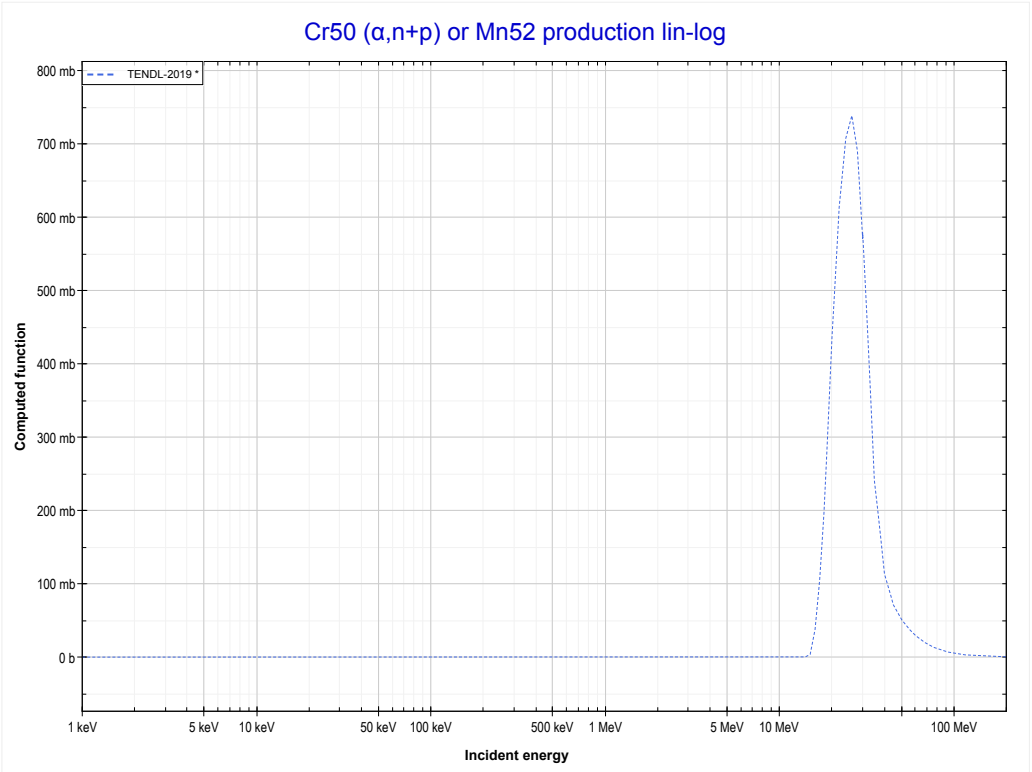
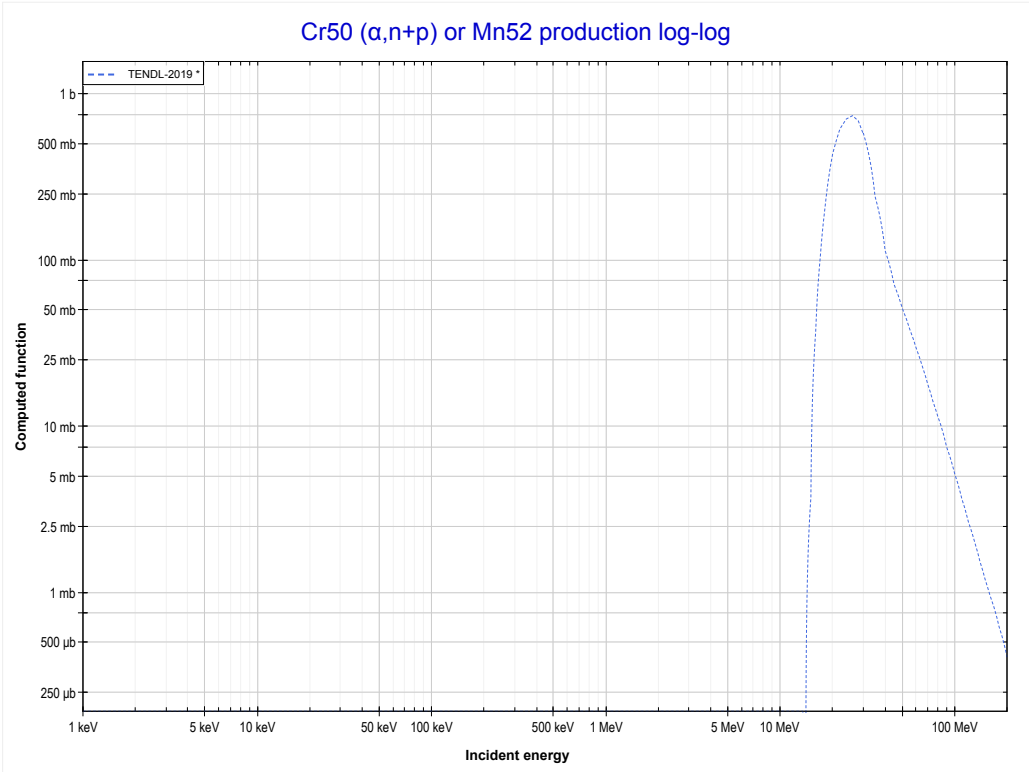
Reaction	Q-Value
Cr50($\alpha,n+\alpha$)Cr49	-13000.32 keV
Cr50($\alpha,d+t$)Cr49	-30589.62 keV
Cr50($\alpha,n+p+t$)Cr49	-32814.18 keV
Cr50($\alpha,2n+He3$)Cr49	-33577.94 keV
Cr50($\alpha,n+2d$)Cr49	-36846.84 keV
Cr50($\alpha,2n+p+d$)Cr49	-39071.41 keV
Cr50($\alpha,3n+2p$)Cr49	-41295.98 keV

<< 23-V-51	24-Cr-50	24-Cr-53 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Cr48 production)	MT28 ($\alpha,n+p$) >>



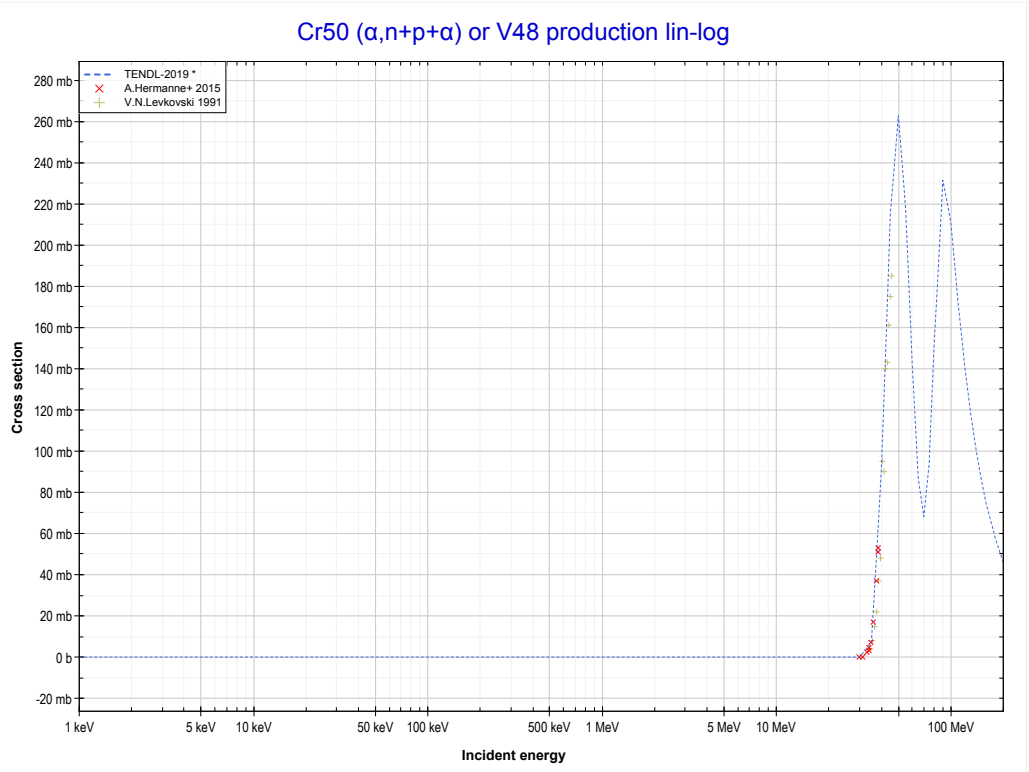
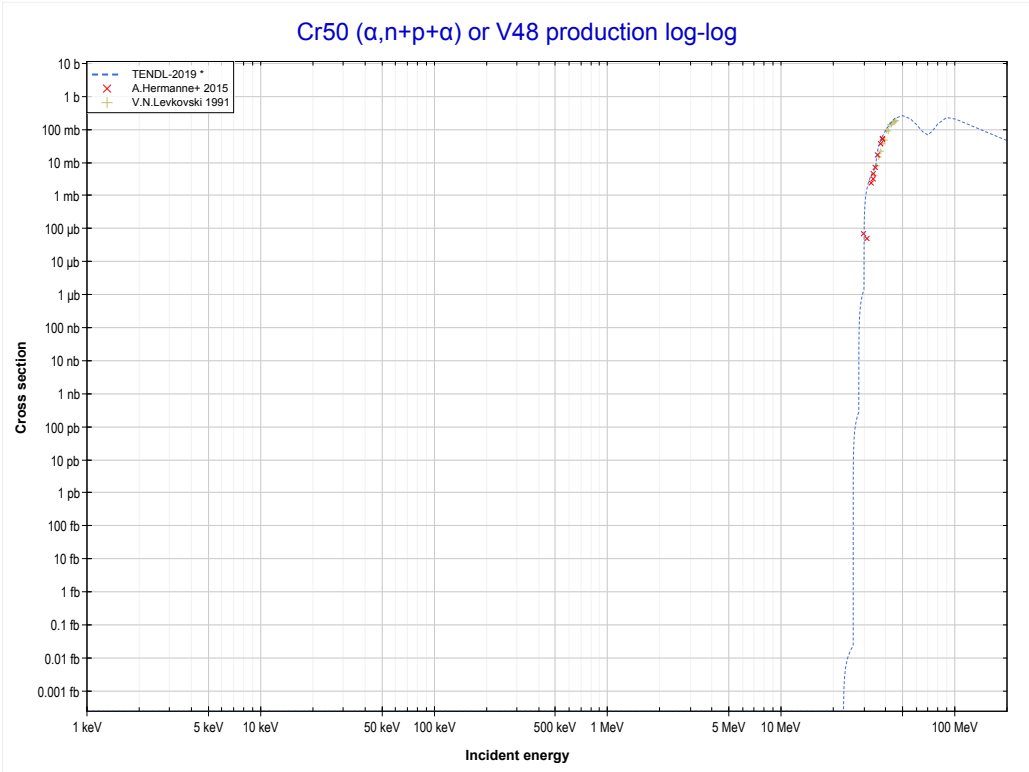
Reaction	Q-Value
Cr50($\alpha,2n+\alpha$)Cr48	-23582.73 keV
Cr50($\alpha,2t$)Cr48	-34914.80 keV
Cr50($\alpha,n+d+t$)Cr48	-41172.03 keV
Cr50($\alpha,2n+p+t$)Cr48	-43396.60 keV
Cr50($\alpha,3n+He3$)Cr48	-44160.35 keV
Cr50($\alpha,2n+2d$)Cr48	-47429.26 keV
Cr50($\alpha,3n+p+d$)Cr48	-49653.83 keV
Cr50($\alpha,4n+2p$)Cr48	-51878.39 keV

<< 22-Ti-46	24-Cr-50	24-Cr-52 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Mn52 production)	MT45 ($\alpha,n+p+\alpha$) >>



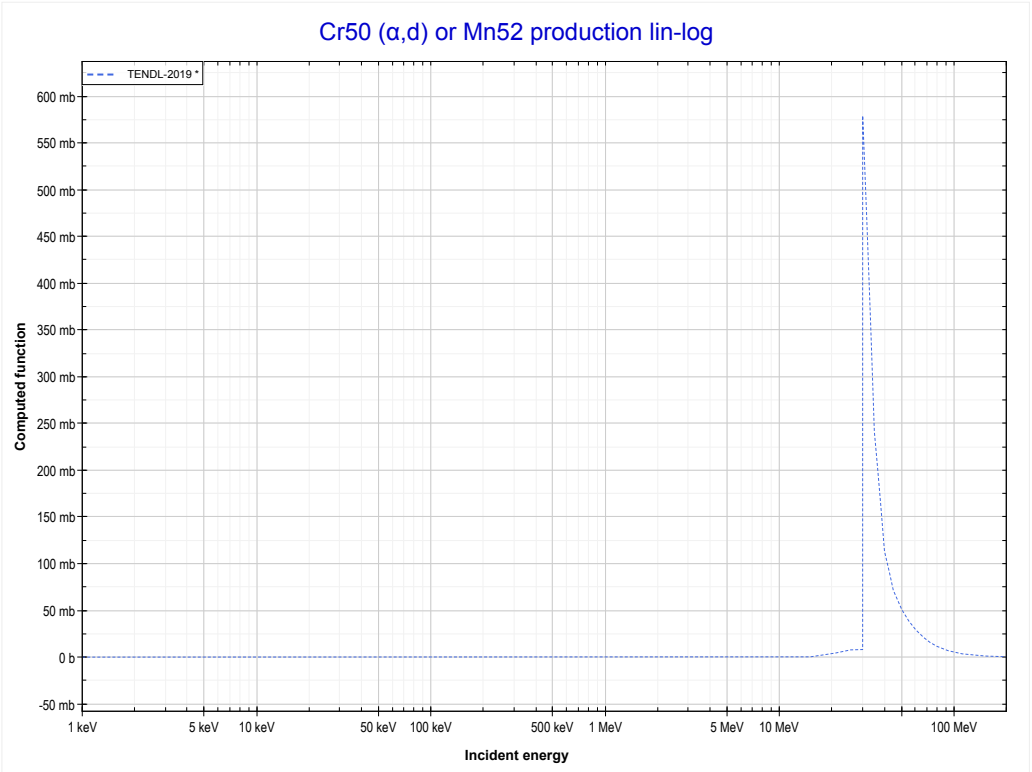
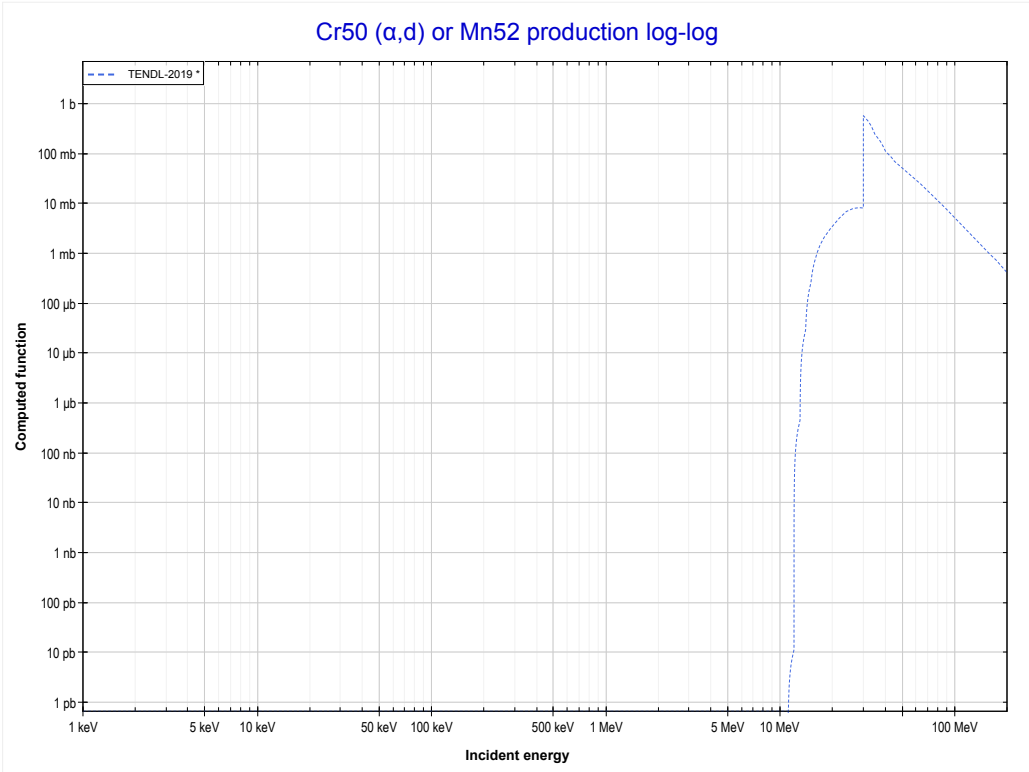
Reaction	Q-Value
Cr50(α,d)Mn52	-10265.61 keV
Cr50($\alpha,n+p$)Mn52	-12490.17 keV

<< 22-Ti-49	24-Cr-50	26-Fe-54 >>
<< MT28 (α,n+p)	MT45 (α,n+p+α) or MT5 (V48 production)	MT104 (α,d) >>



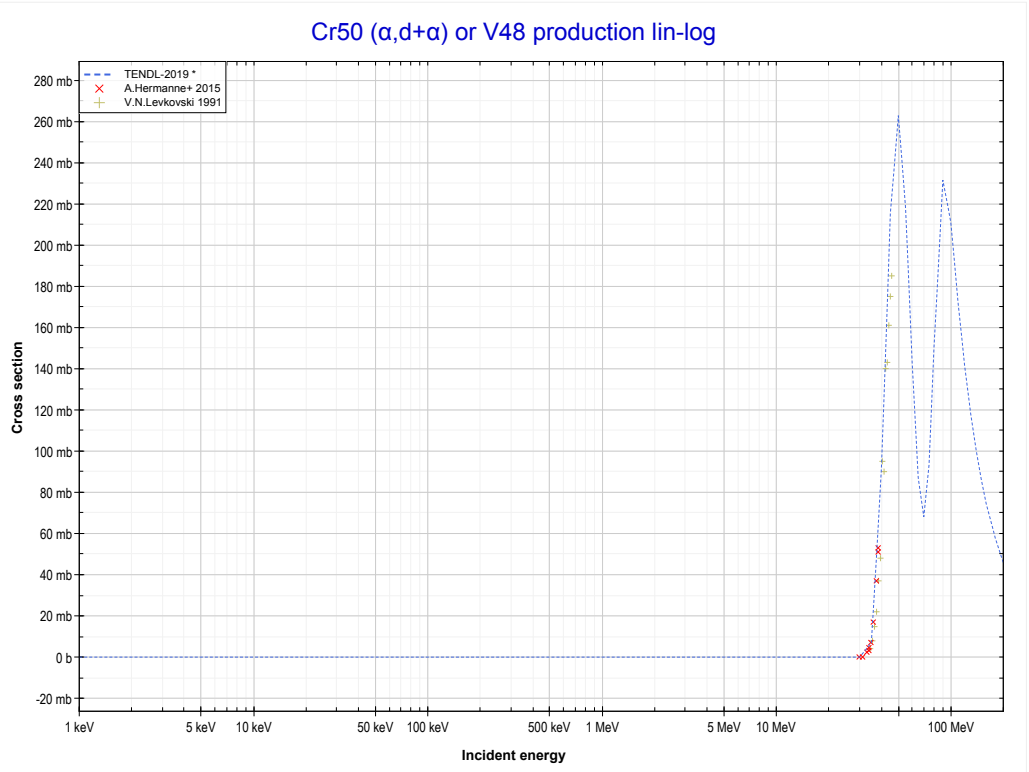
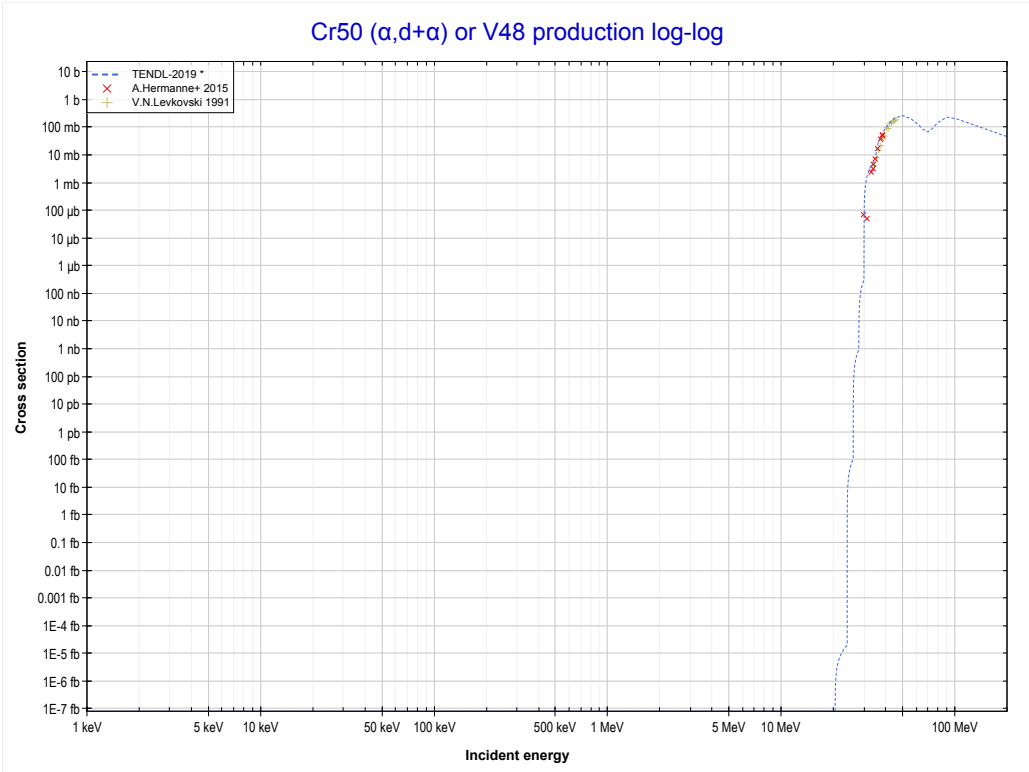
Reaction	Q-Value	Reaction	Q-Value
Cr50(α,d+α)V48	-18920.12 keV	Cr50(α,n+p+2d)V48	-44991.22 keV
Cr50(α,n+p+α)V48	-21144.69 keV	Cr50(α,2n+2p+d)V48	-47215.78 keV
Cr50(α,t+He3)V48	-33240.51 keV	Cr50(α,3n+3p)V48	-49440.35 keV
Cr50(α,p+d+t)V48	-38733.99 keV		
Cr50(α,n+d+He3)V48	-39497.74 keV		
Cr50(α,n+2p+t)V48	-40958.55 keV		
Cr50(α,2n+p+He3)V48	-41722.31 keV		
Cr50(α,3d)V48	-42766.65 keV		

<< 22-Ti-46	24-Cr-50	24-Cr-52 >>
<< MT45 (α,n+p+α)	MT104 (α,d) or MT5 (Mn52 production)	MT117 (α,d+α) >>



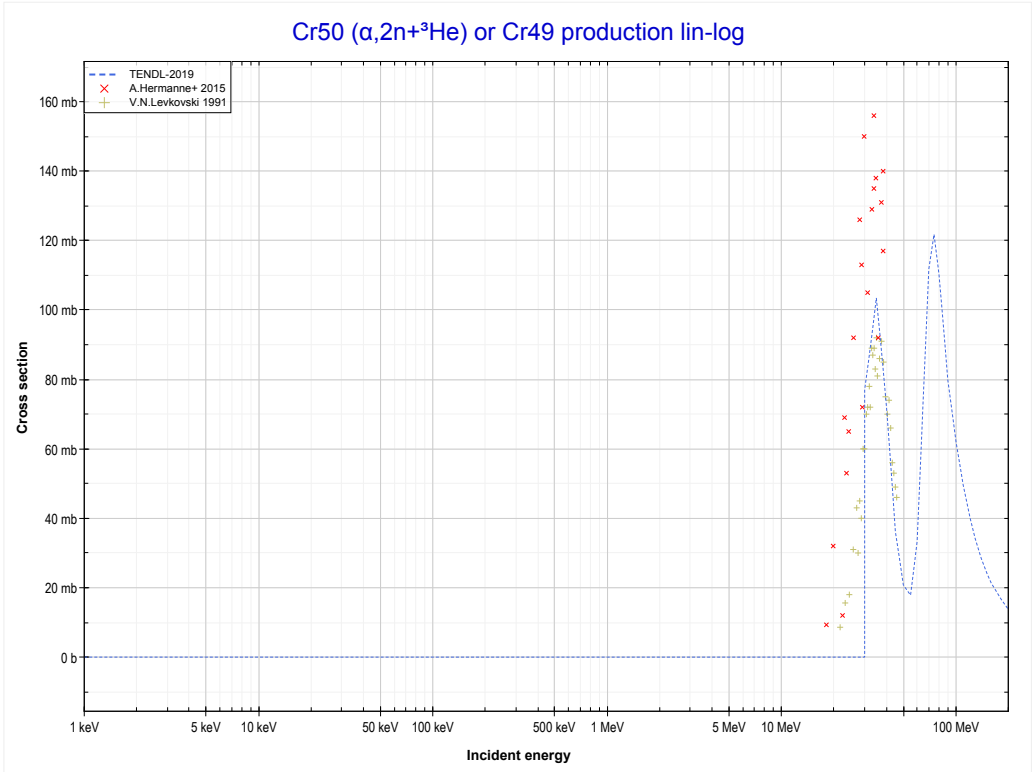
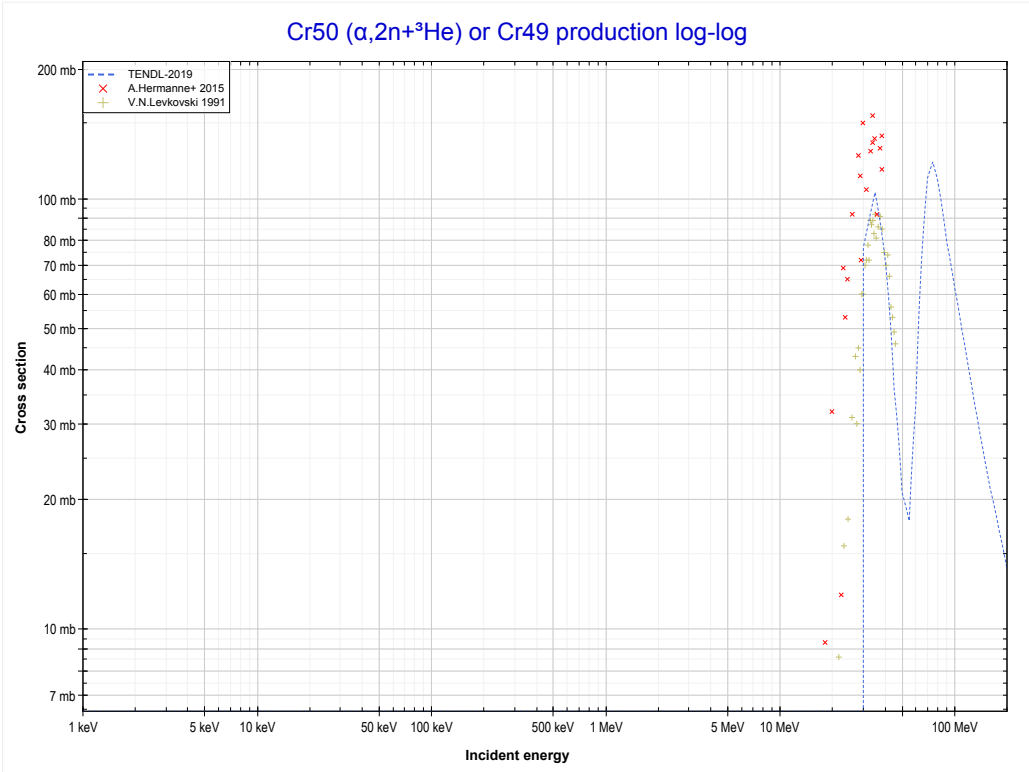
Reaction	Q-Value
Cr50(α,d)Mn52	-10265.61 keV
Cr50(α,n+p)Mn52	-12490.17 keV

<< 22-Ti-49	24-Cr-50	26-Fe-54 >>
<< MT104 (α,d)	MT117 (α,d+α) or MT5 (V48 production)	MT176 (α,2n+ ³ He) >>



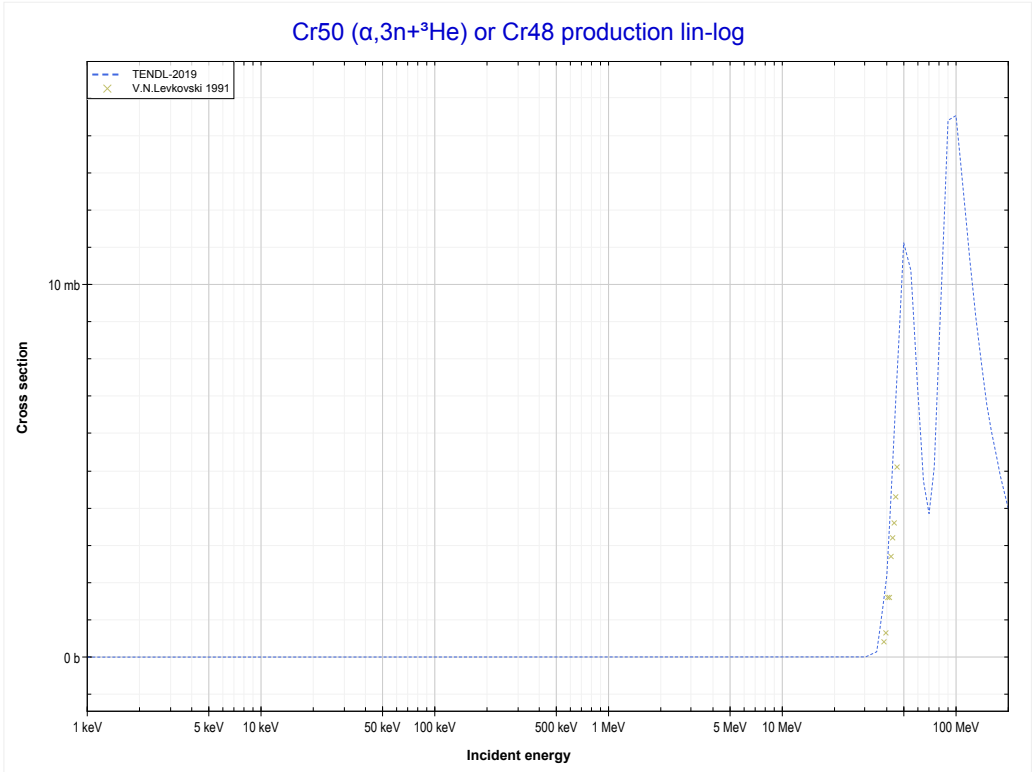
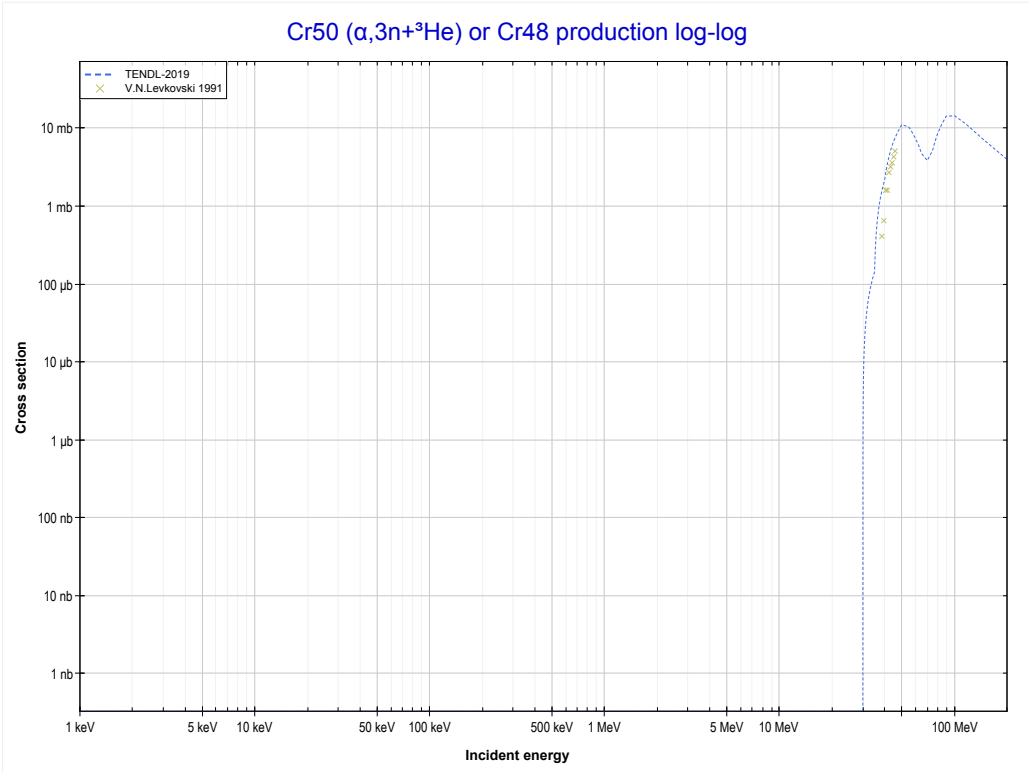
Reaction	Q-Value	Reaction	Q-Value
Cr50(α,d+α)V48	-18920.12 keV	Cr50(α,n+p+2d)V48	-44991.22 keV
Cr50(α,n+p+α)V48	-21144.69 keV	Cr50(α,2n+2p+d)V48	-47215.78 keV
Cr50(α,t+He3)V48	-33240.51 keV	Cr50(α,3n+3p)V48	-49440.35 keV
Cr50(α,p+d+t)V48	-38733.99 keV		
Cr50(α,n+d+He3)V48	-39497.74 keV		
Cr50(α,n+2p+t)V48	-40958.55 keV		
Cr50(α,2n+p+He3)V48	-41722.31 keV		
Cr50(α,3d)V48	-42766.65 keV		

<< 21-Sc-45	24-Cr-50	24-Cr-52 >>
<< MT117 ($\alpha,d+\alpha$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Cr49 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



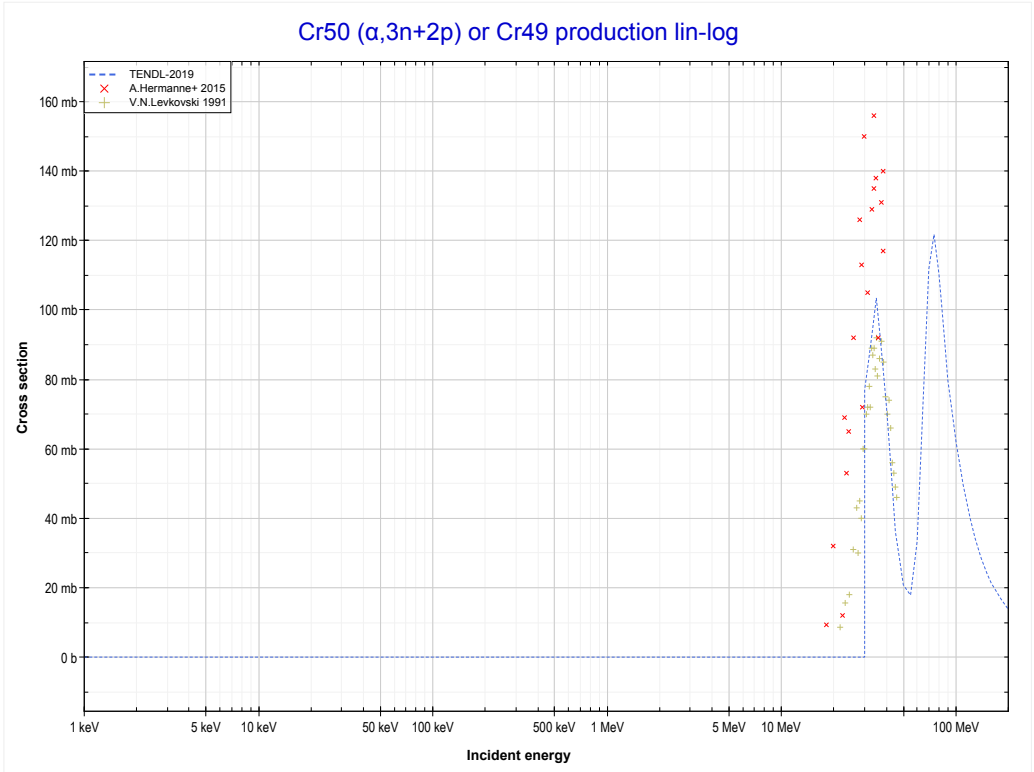
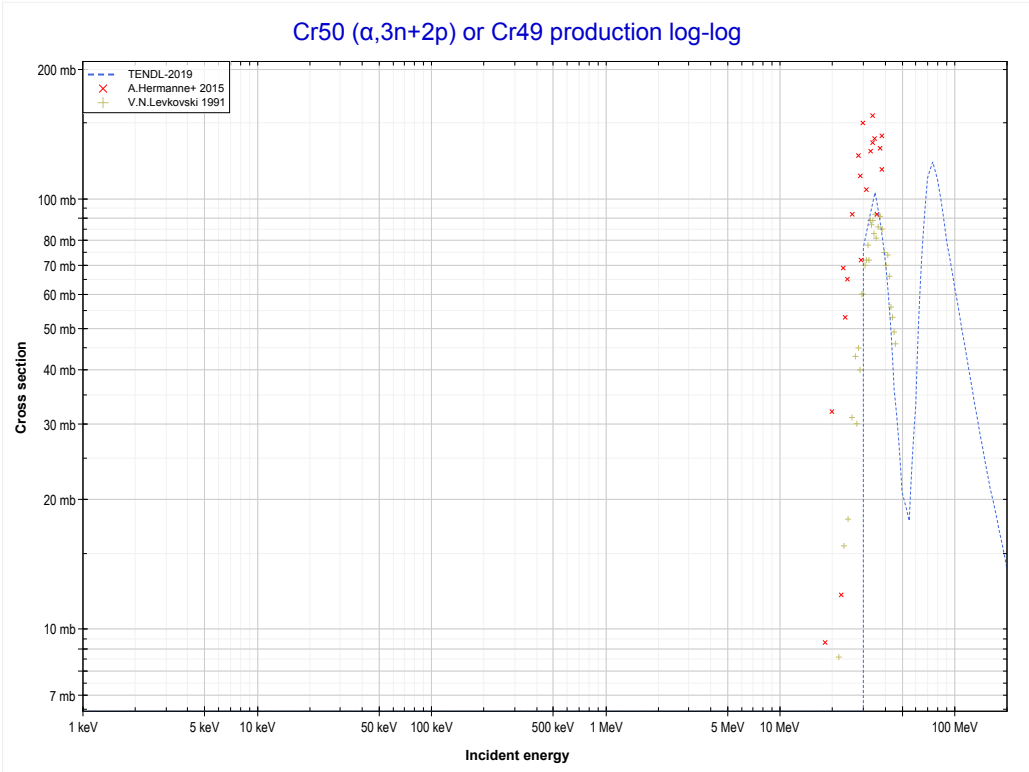
Reaction	Q-Value
Cr50($\alpha,n+\alpha$)Cr49	-13000.32 keV
Cr50($\alpha,d+t$)Cr49	-30589.62 keV
Cr50($\alpha,n+p+t$)Cr49	-32814.18 keV
Cr50($\alpha,2n+\text{He3}$)Cr49	-33577.94 keV
Cr50($\alpha,n+2d$)Cr49	-36846.84 keV
Cr50($\alpha,2n+p+d$)Cr49	-39071.41 keV
Cr50($\alpha,3n+2p$)Cr49	-41295.98 keV

<< 21-Sc-45	24-Cr-50	24-Cr-53 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Cr48 production)	MT179 ($\alpha,3n+2p$) >>



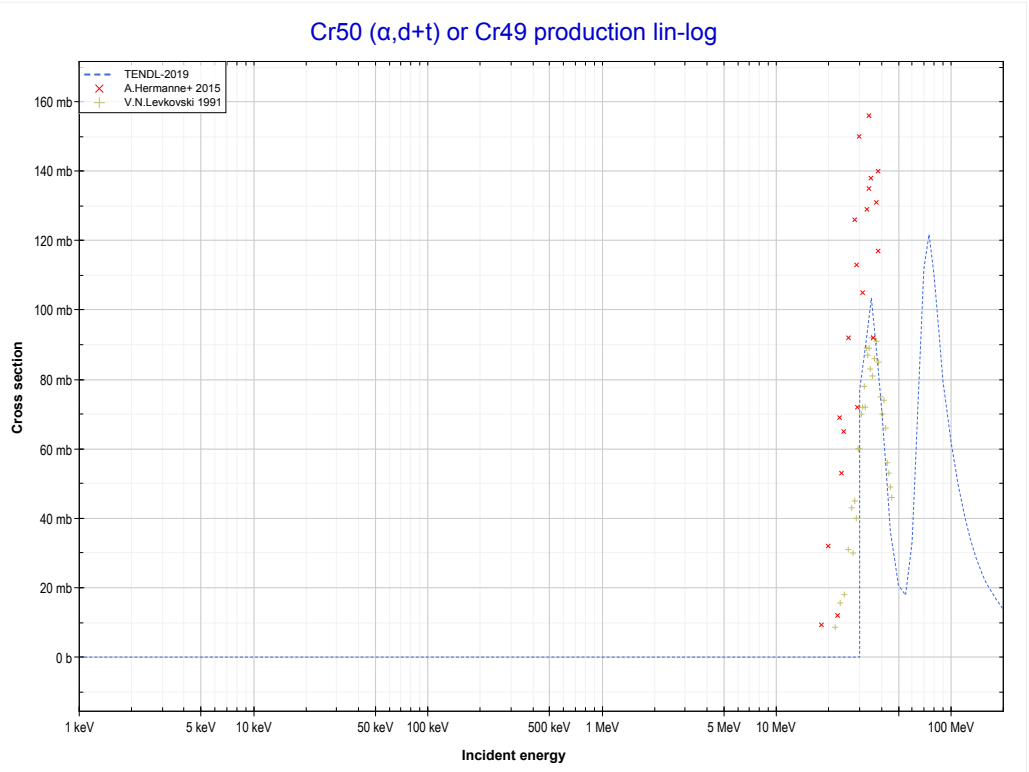
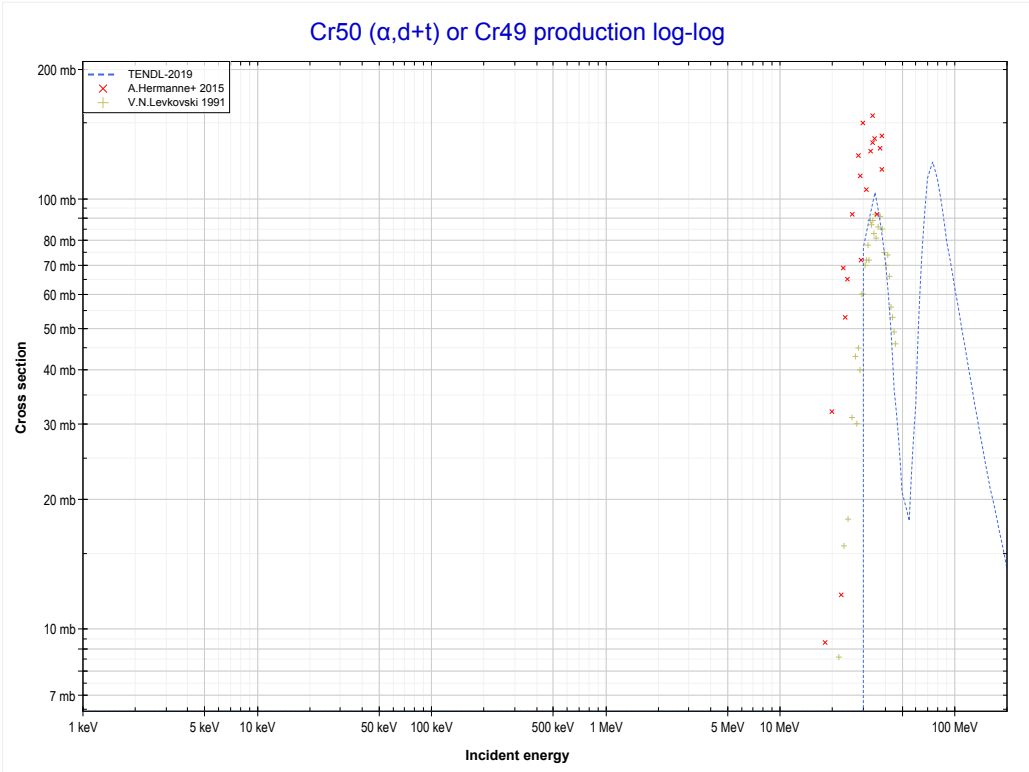
Reaction	Q-Value
Cr50($\alpha,2n+\alpha$)Cr48	-23582.73 keV
Cr50($\alpha,2t$)Cr48	-34914.80 keV
Cr50($\alpha,n+d+t$)Cr48	-41172.03 keV
Cr50($\alpha,2n+p+t$)Cr48	-43396.60 keV
Cr50($\alpha,3n+\text{He3}$)Cr48	-44160.35 keV
Cr50($\alpha,2n+2d$)Cr48	-47429.26 keV
Cr50($\alpha,3n+p+d$)Cr48	-49653.83 keV
Cr50($\alpha,4n+2p$)Cr48	-51878.39 keV

<< 21-Sc-45	24-Cr-50	24-Cr-52 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Cr49 production)	MT182 ($\alpha,d+t$) >>



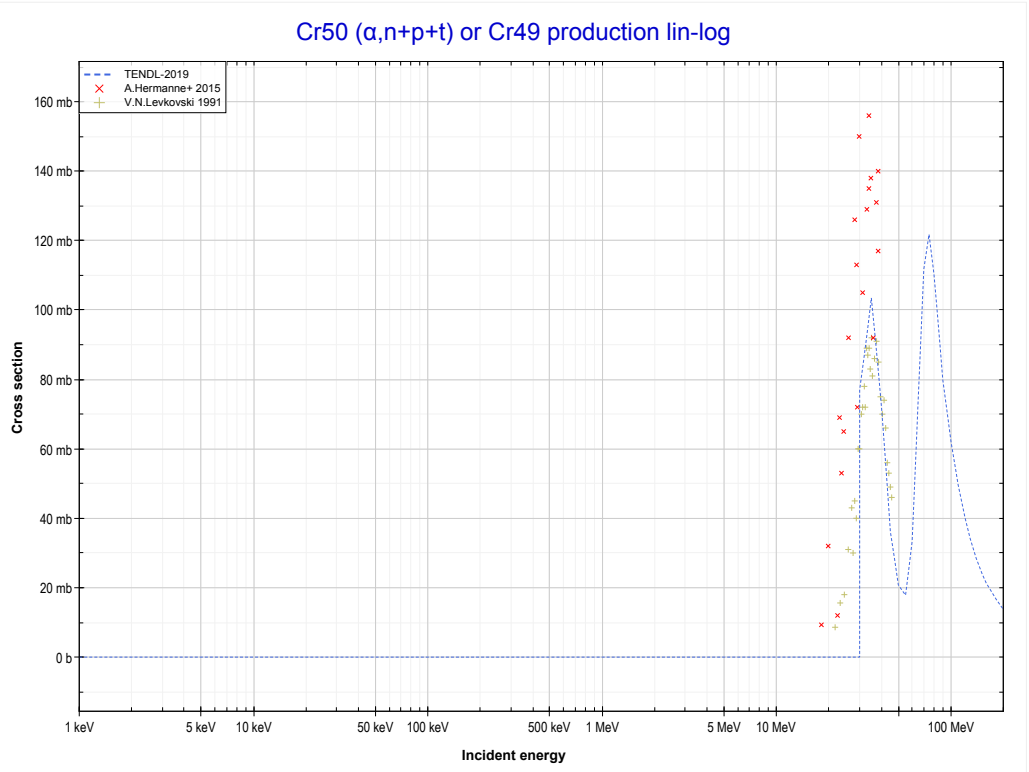
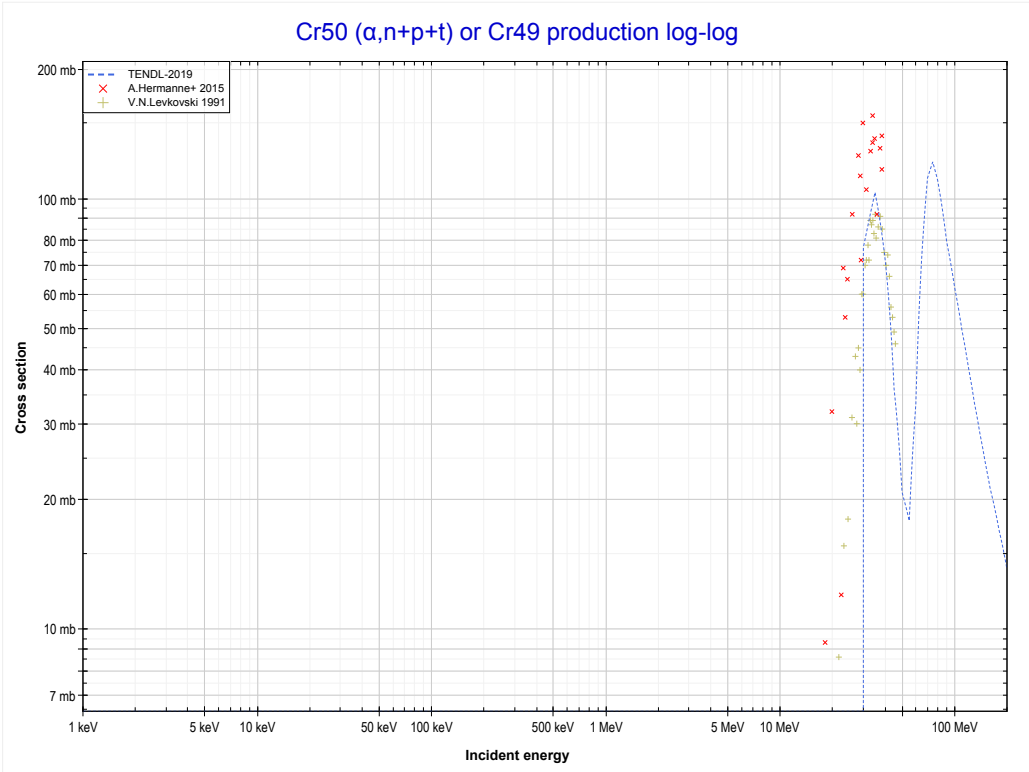
Reaction	Q-Value
Cr50($\alpha,n+\alpha$)Cr49	-13000.32 keV
Cr50($\alpha,d+t$)Cr49	-30589.62 keV
Cr50($\alpha,n+p+t$)Cr49	-32814.18 keV
Cr50($\alpha,2n+\text{He3}$)Cr49	-33577.94 keV
Cr50($\alpha,n+2d$)Cr49	-36846.84 keV
Cr50($\alpha,2n+p+d$)Cr49	-39071.41 keV
Cr50($\alpha,3n+2p$)Cr49	-41295.98 keV

<< 21-Sc-45	24-Cr-50	24-Cr-52 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Cr49 production)	MT184 ($\alpha,n+p+t$) >>



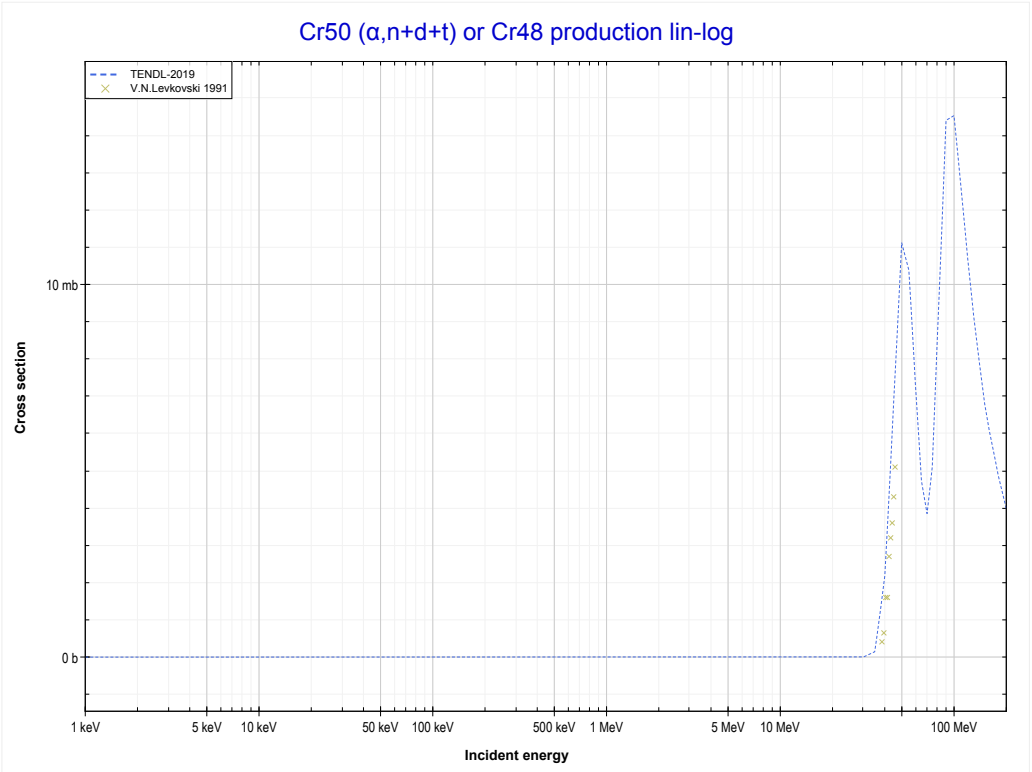
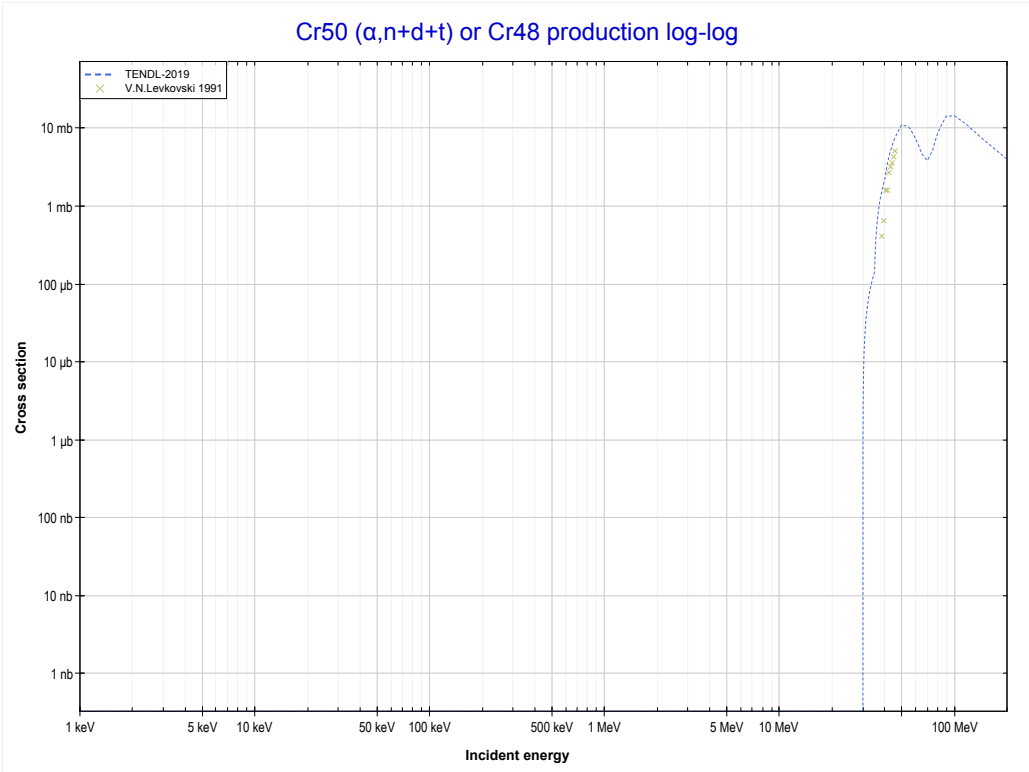
Reaction	Q-Value
Cr50($\alpha,n+\alpha$)Cr49	-13000.32 keV
Cr50($\alpha,d+t$)Cr49	-30589.62 keV
Cr50($\alpha,n+p+t$)Cr49	-32814.18 keV
Cr50($\alpha,2n+He3$)Cr49	-33577.94 keV
Cr50($\alpha,n+2d$)Cr49	-36846.84 keV
Cr50($\alpha,2n+p+d$)Cr49	-39071.41 keV
Cr50($\alpha,3n+2p$)Cr49	-41295.98 keV

<< 21-Sc-45	24-Cr-50	24-Cr-52 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Cr49 production)	MT185 (α,n+d+t) >>



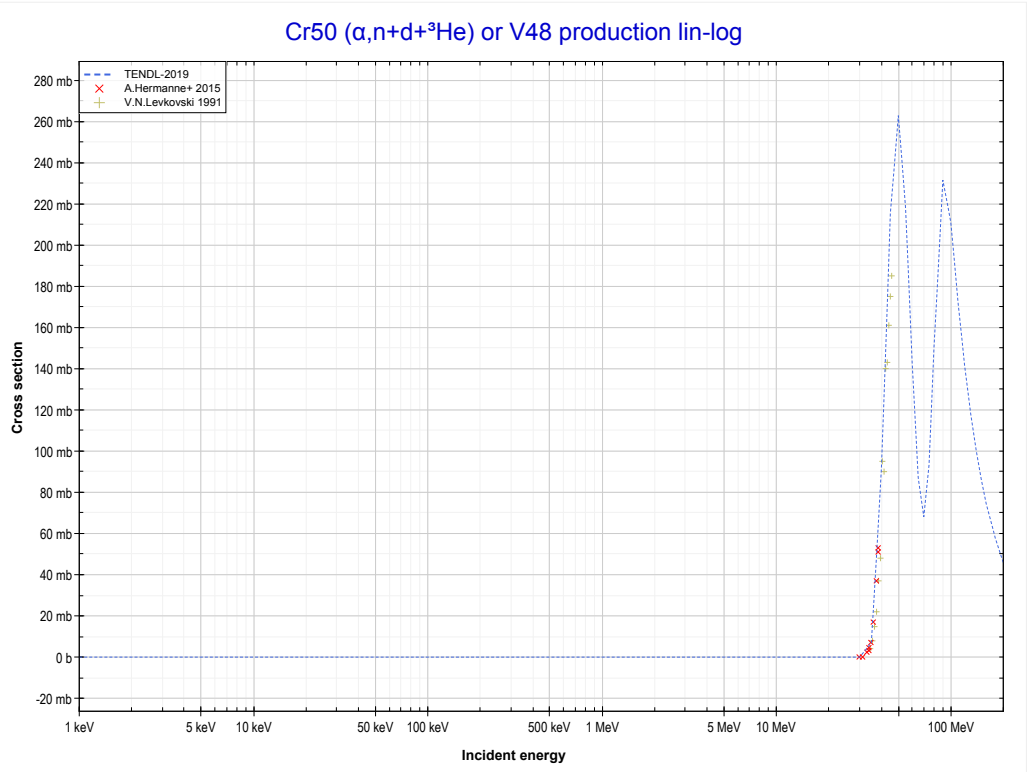
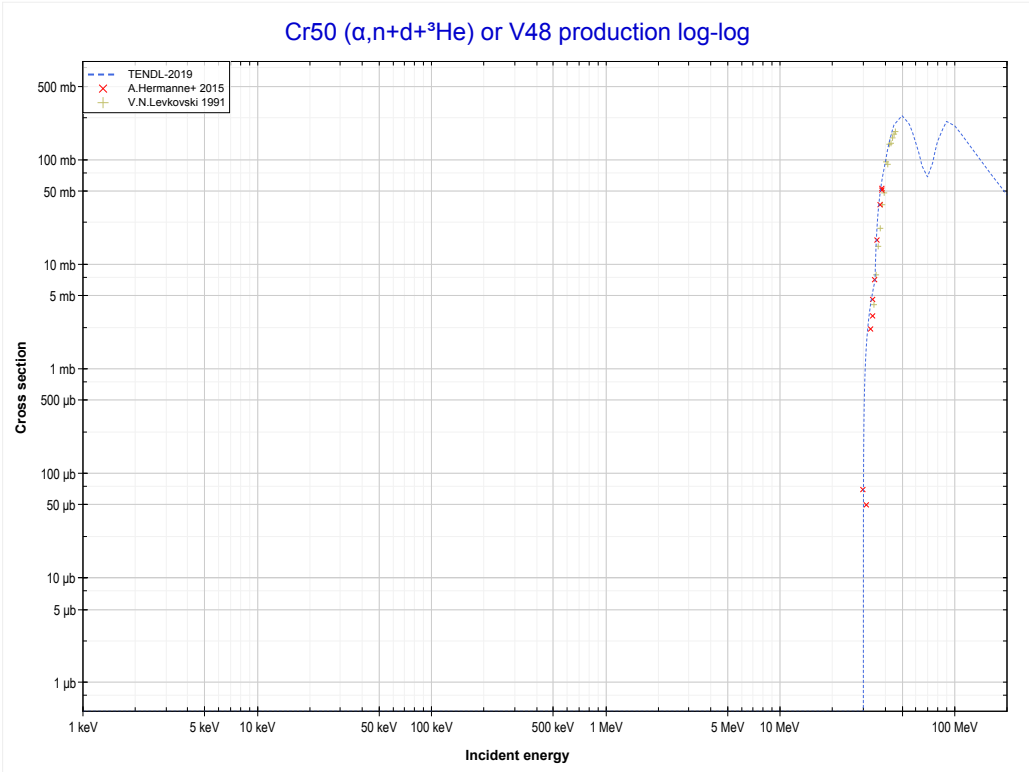
Reaction	Q-Value
Cr50(α,n+α)Cr49	-13000.32 keV
Cr50(α,d+t)Cr49	-30589.62 keV
Cr50(α,n+p+t)Cr49	-32814.18 keV
Cr50(α,2n+He3)Cr49	-33577.94 keV
Cr50(α,n+2d)Cr49	-36846.84 keV
Cr50(α,2n+p+d)Cr49	-39071.41 keV
Cr50(α,3n+2p)Cr49	-41295.98 keV

<< 21-Sc-45	24-Cr-50	24-Cr-53 >>
<< MT184 (α,n+p+t)	MT185 (α,n+d+t) or MT5 (Cr48 production)	MT187 (α,n+d+ ³ He) >>



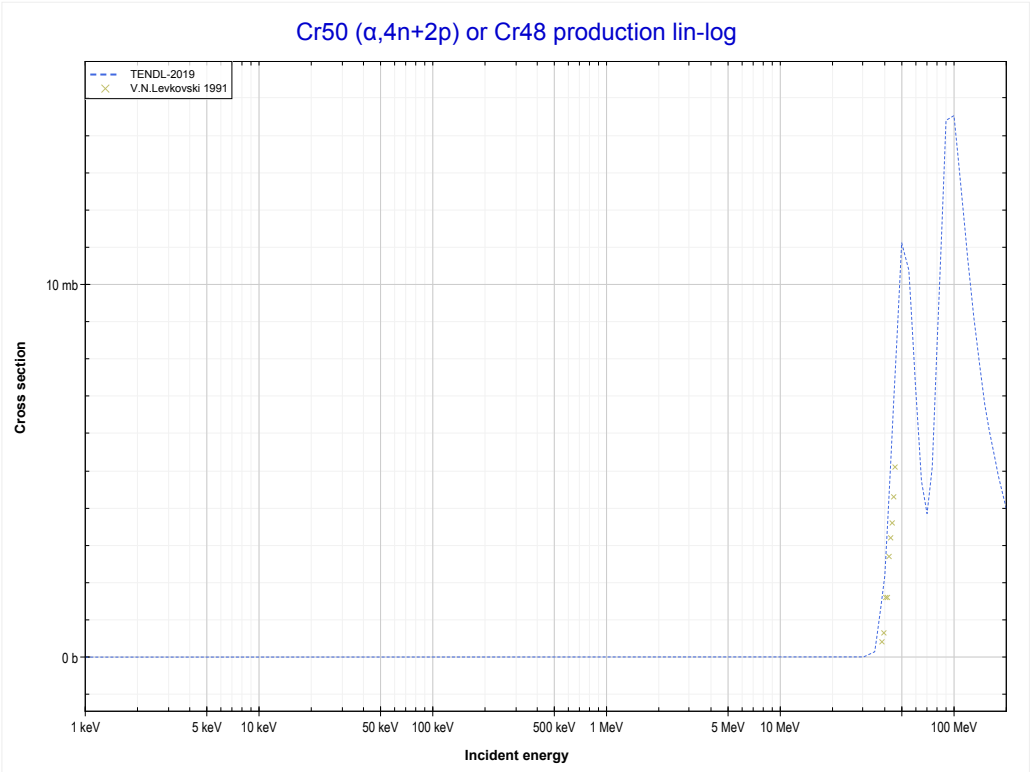
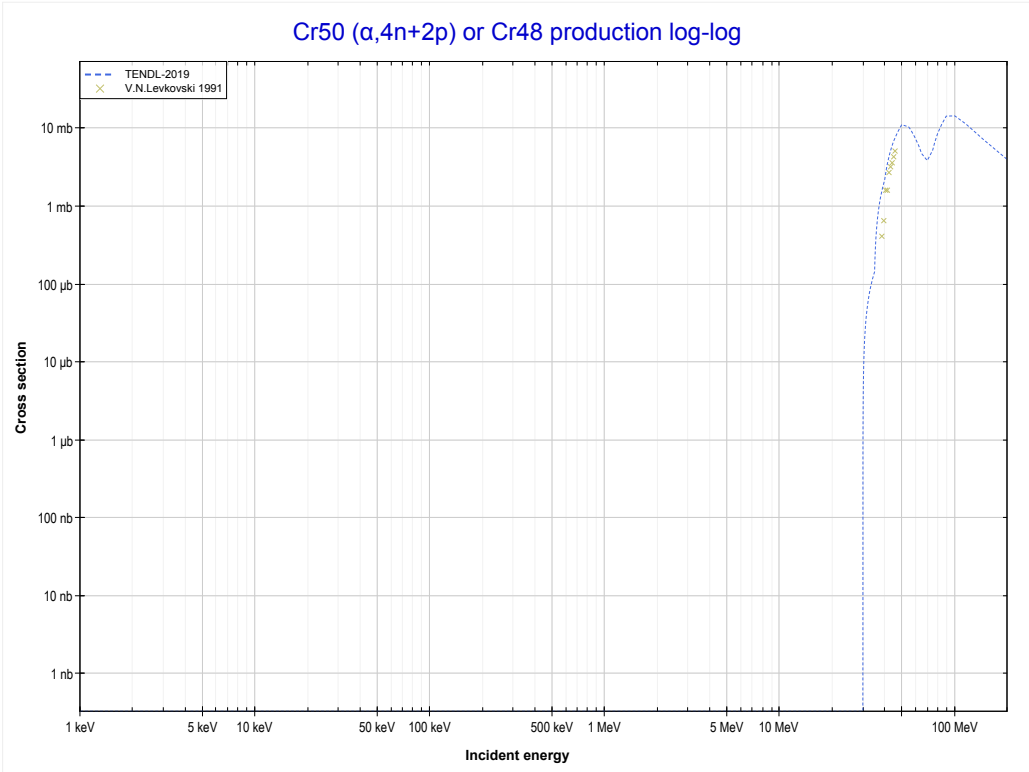
Reaction	Q-Value
Cr50(α,2n+α)Cr48	-23582.73 keV
Cr50(α,2t)Cr48	-34914.80 keV
Cr50(α,n+d+t)Cr48	-41172.03 keV
Cr50(α,2n+p+t)Cr48	-43396.60 keV
Cr50(α,3n+He3)Cr48	-44160.35 keV
Cr50(α,2n+2d)Cr48	-47429.26 keV
Cr50(α,3n+p+d)Cr48	-49653.83 keV
Cr50(α,4n+2p)Cr48	-51878.39 keV

<< 22-Ti-49	24-Cr-50	26-Fe-54 >>
<< MT185 ($\alpha,n+d+t$)	MT187 ($\alpha,n+d+^3\text{He}$) or MT5 (V48 production)	MT194 ($\alpha,4n+2p$) >>



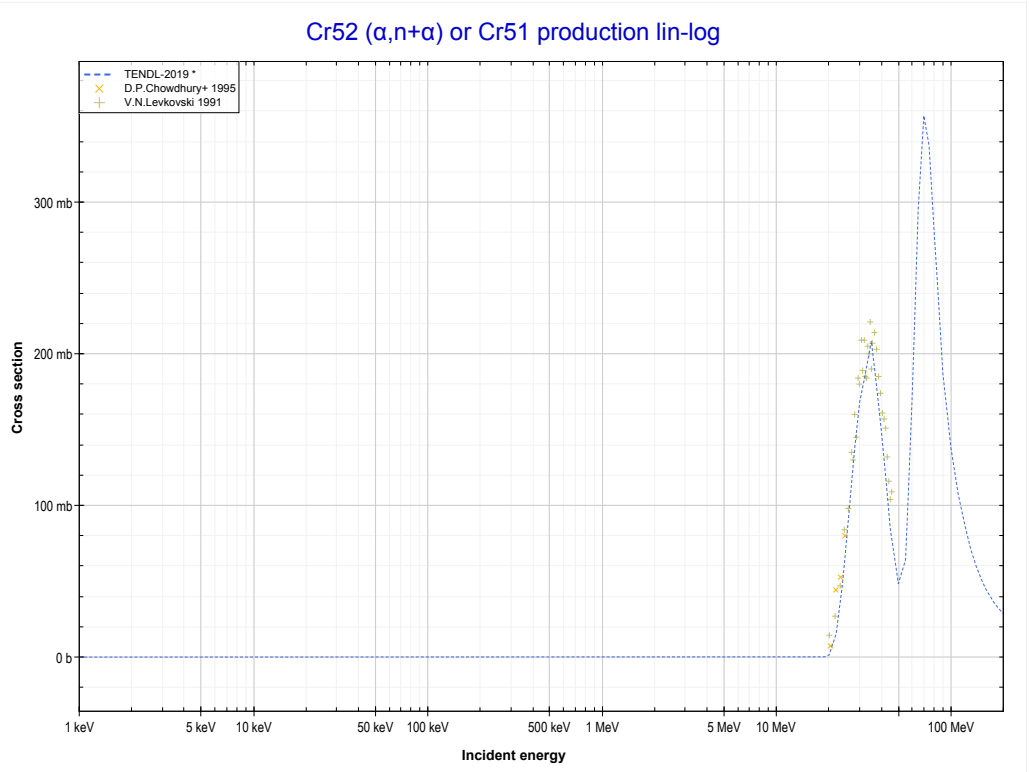
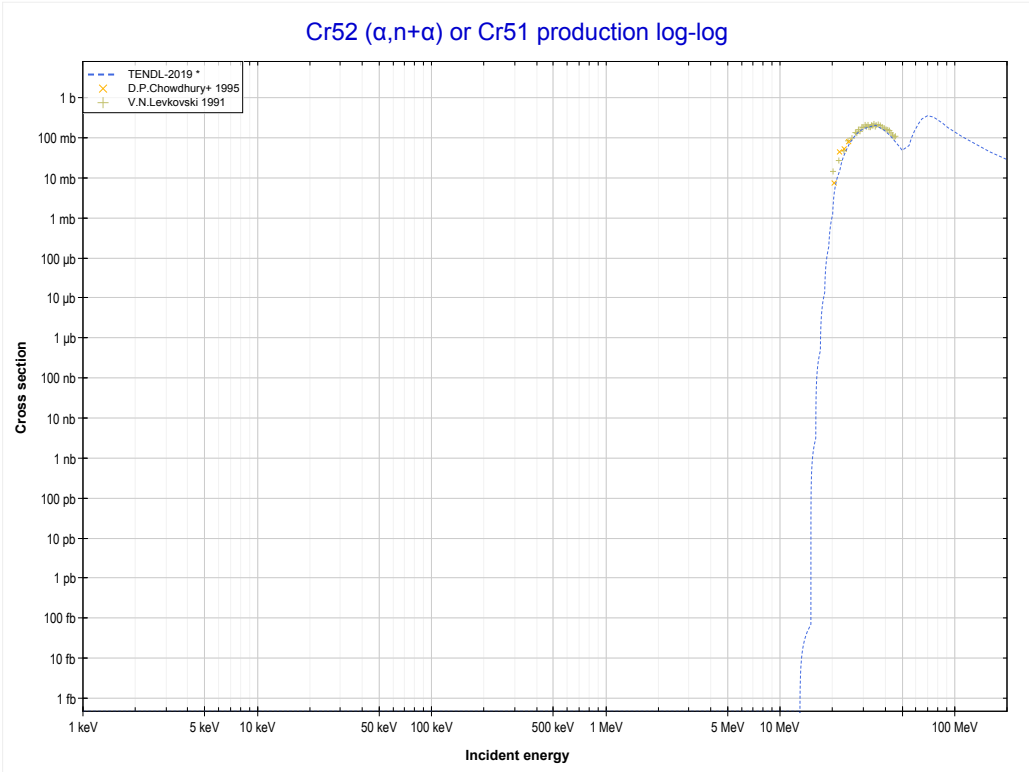
Reaction	Q-Value	Reaction	Q-Value
Cr50($\alpha,d+\alpha$)V48	-18920.12 keV	Cr50($\alpha,n+p+2d$)V48	-44991.22 keV
Cr50($\alpha,n+p+\alpha$)V48	-21144.69 keV	Cr50($\alpha,2n+2p+d$)V48	-47215.78 keV
Cr50($\alpha,t+^3\text{He}$)V48	-33240.51 keV	Cr50($\alpha,3n+3p$)V48	-49440.35 keV
Cr50($\alpha,p+d+t$)V48	-38733.99 keV		
Cr50($\alpha,n+d+^3\text{He}$)V48	-39497.74 keV		
Cr50($\alpha,n+2p+t$)V48	-40958.55 keV		
Cr50($\alpha,2n+p+^3\text{He}$)V48	-41722.31 keV		
Cr50($\alpha,3d$)V48	-42766.65 keV		

<< 21-Sc-45	24-Cr-50	24-Cr-53 >>
<< MT187 ($\alpha,n+d+^3\text{He}$)	MT194 ($\alpha,4n+2p$) or MT5 (Cr48 production)	24-Cr-52 MT22 ($\alpha,n+\alpha$) >>



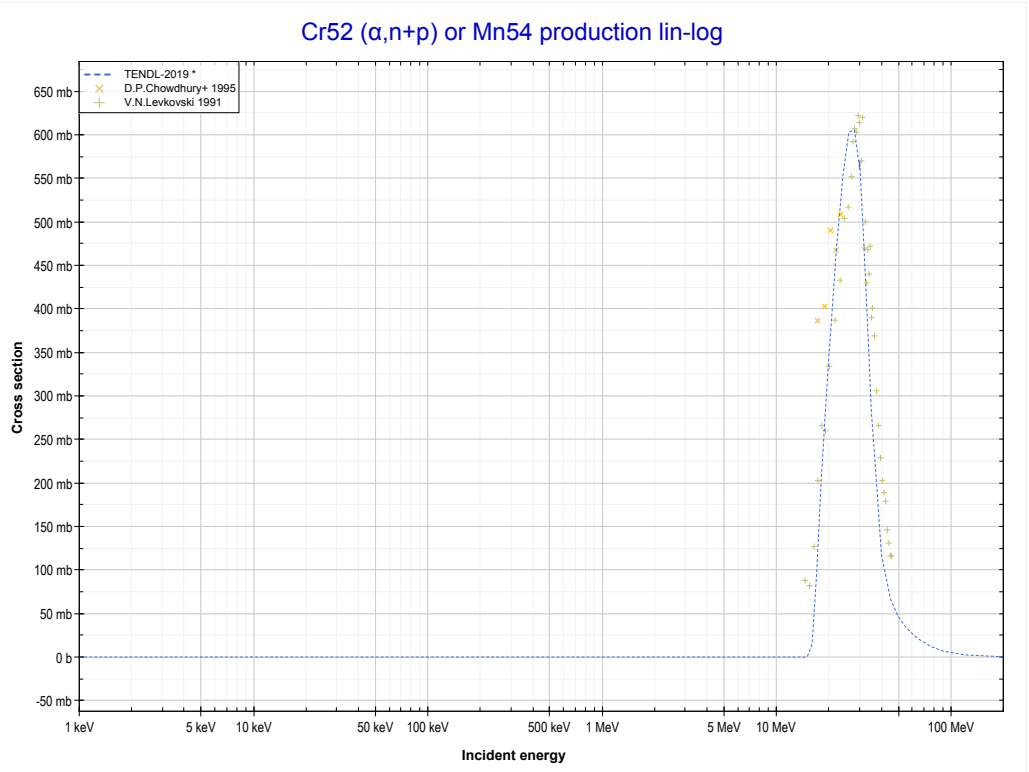
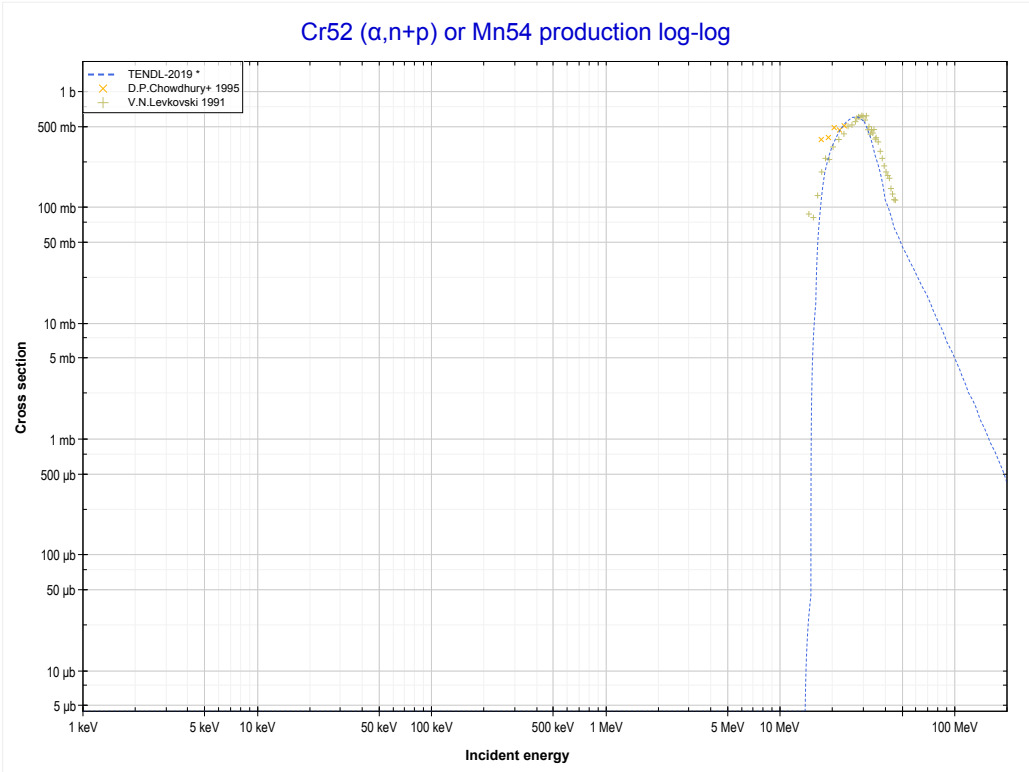
Reaction	Q-Value
Cr50($\alpha,2n+\alpha$)Cr48	-23582.73 keV
Cr50($\alpha,2t$)Cr48	-34914.80 keV
Cr50($\alpha,n+d+t$)Cr48	-41172.03 keV
Cr50($\alpha,2n+p+t$)Cr48	-43396.60 keV
Cr50($\alpha,3n+\text{He3}$)Cr48	-44160.35 keV
Cr50($\alpha,2n+2d$)Cr48	-47429.26 keV
Cr50($\alpha,3n+p+d$)Cr48	-49653.83 keV
Cr50($\alpha,4n+2p$)Cr48	-51878.39 keV

<< 24-Cr-50	24-Cr-52	25-Mn-55 >>
<< 24-Cr-50 MT194 ($\alpha,4n+2p$)	MT22 ($\alpha,n+\alpha$) or MT5 (Cr51 production)	MT28 ($\alpha,n+p$) >>



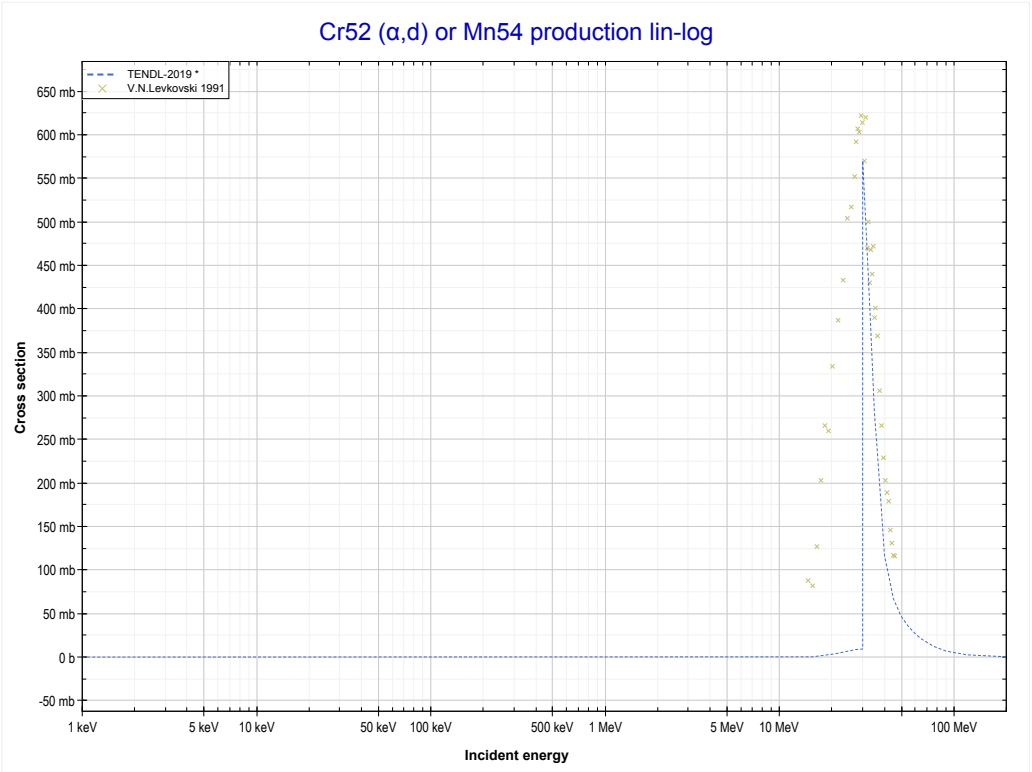
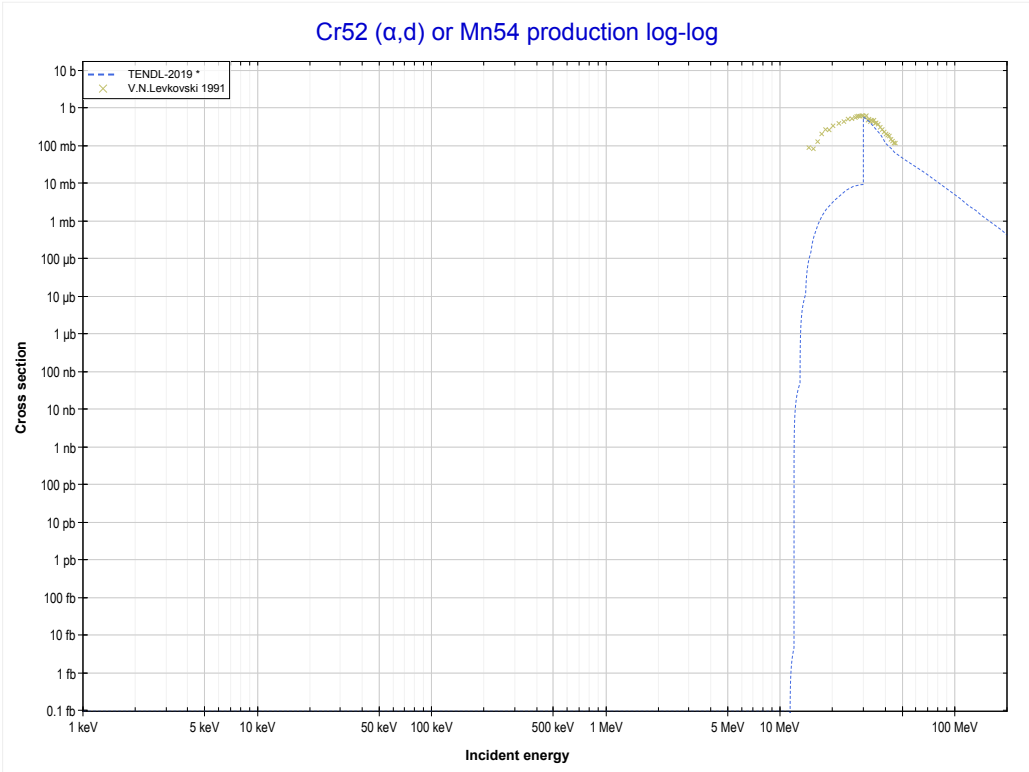
Reaction	Q-Value
Cr52($\alpha,n+\alpha$)Cr51	-12039.12 keV
Cr52($\alpha,d+t$)Cr51	-29628.42 keV
Cr52($\alpha,n+p+t$)Cr51	-31852.98 keV
Cr52($\alpha,2n+He3$)Cr51	-32616.74 keV
Cr52($\alpha,n+2d$)Cr51	-35885.64 keV
Cr52($\alpha,2n+p+d$)Cr51	-38110.21 keV
Cr52($\alpha,3n+2p$)Cr51	-40334.78 keV

<< 24-Cr-50	24-Cr-52	24-Cr-54 >>
<< MT22 (α,n+α)	MT28 (α,n+p) or MT5 (Mn54 production)	MT104 (α,d) >>



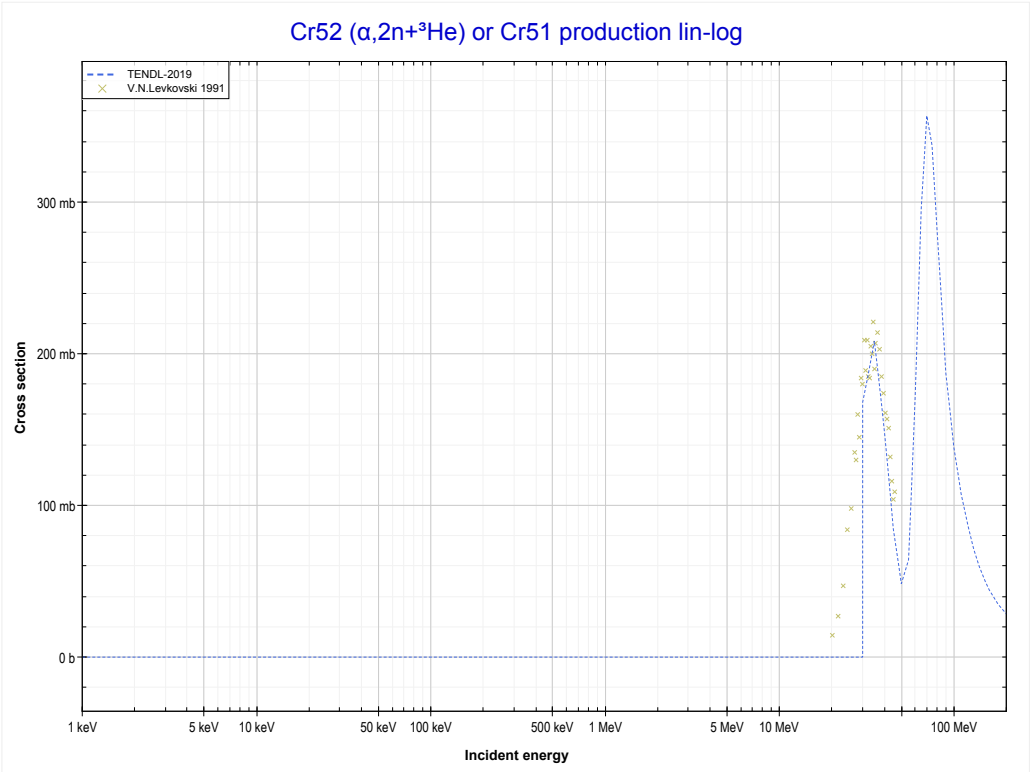
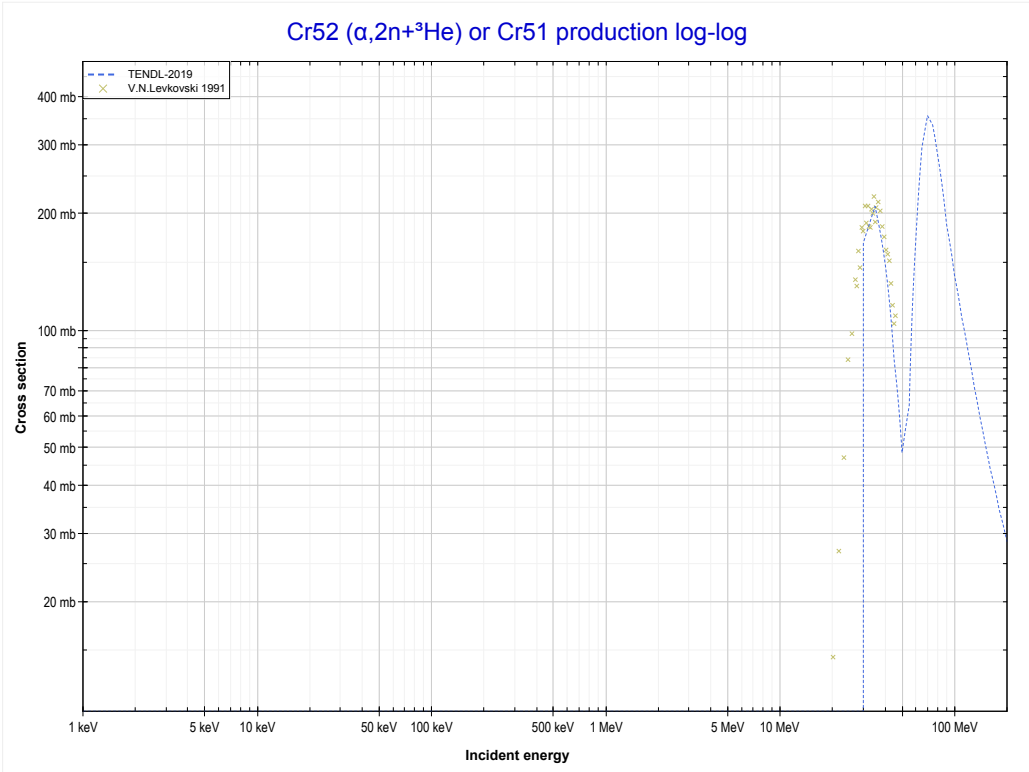
Reaction	Q-Value
Cr52(α,d)Mn54	-10572.41 keV
Cr52(α,n+p)Mn54	-12796.97 keV

<< 24-Cr-50	24-Cr-52	24-Cr-54 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (Mn54 production)	MT176 (α,2n+³He) >>



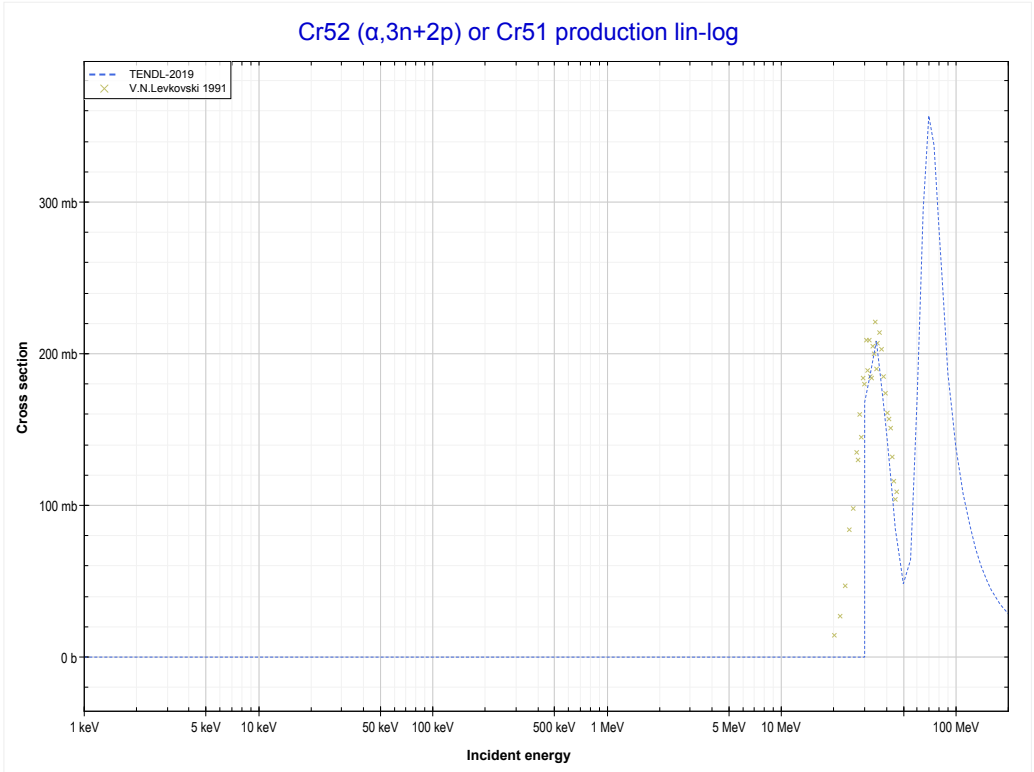
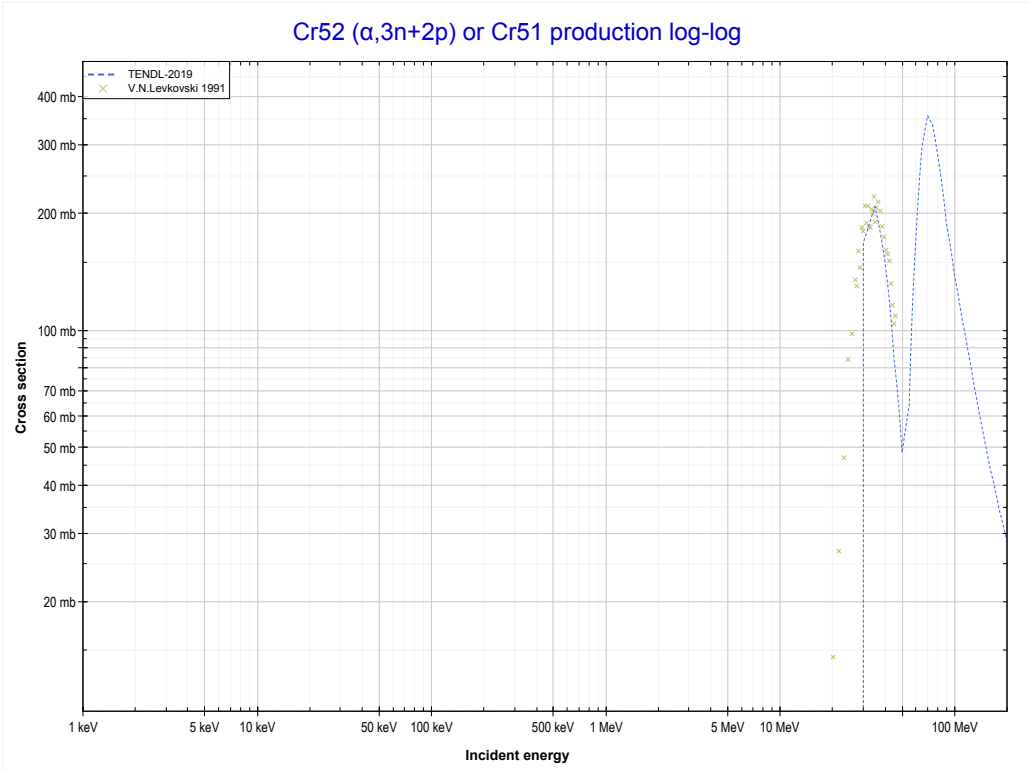
Reaction	Q-Value
Cr52(α,d)Mn54	-10572.41 keV
Cr52(α,n+p)Mn54	-12796.97 keV

<< 24-Cr-50	24-Cr-52	25-Mn-55 >>
<< MT104 (α,d)	MT176 (α,2n+ ³ He) or MT5 (Cr51 production)	MT179 (α,3n+2p) >>



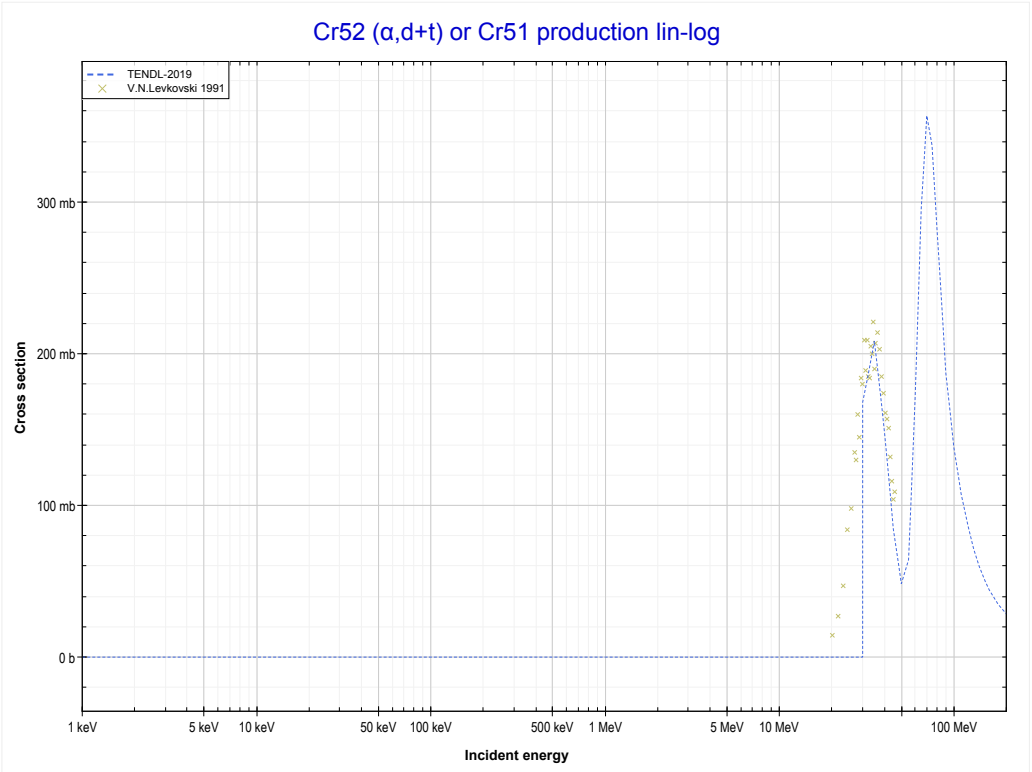
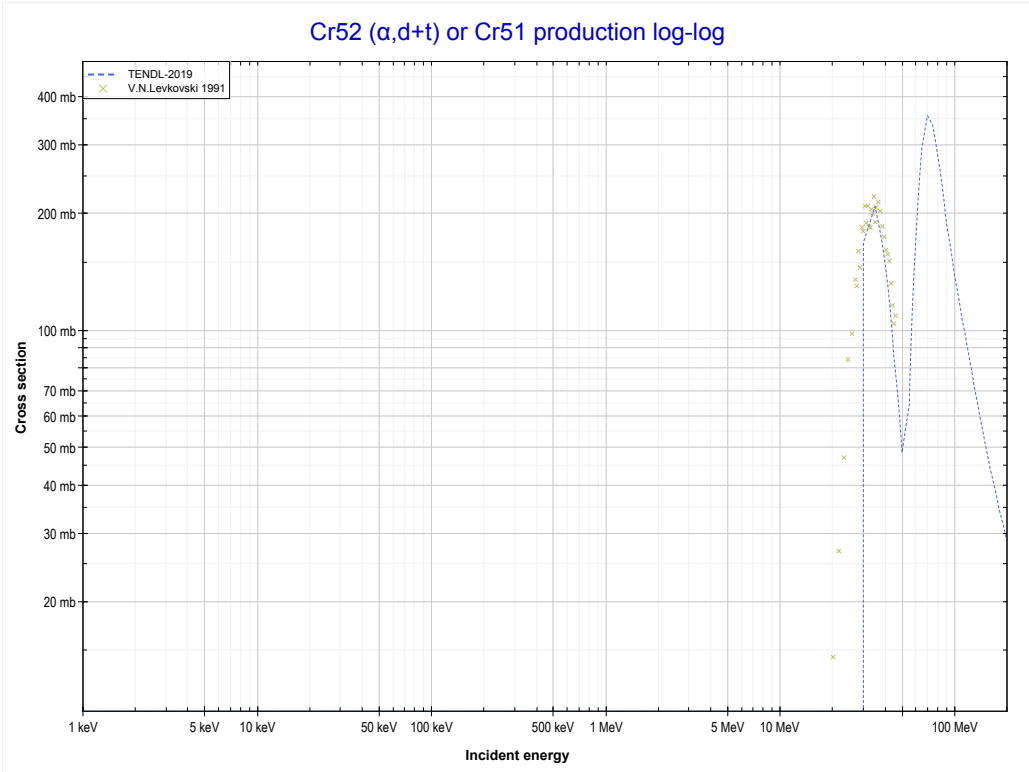
Reaction	Q-Value
Cr52(α,n+α)Cr51	-12039.12 keV
Cr52(α,d+t)Cr51	-29628.42 keV
Cr52(α,n+p+t)Cr51	-31852.98 keV
Cr52(α,2n+He3)Cr51	-32616.74 keV
Cr52(α,n+2d)Cr51	-35885.64 keV
Cr52(α,2n+p+d)Cr51	-38110.21 keV
Cr52(α,3n+2p)Cr51	-40334.78 keV

<< 24-Cr-50	24-Cr-52	25-Mn-55 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Cr51 production)	MT182 ($\alpha,d+t$) >>



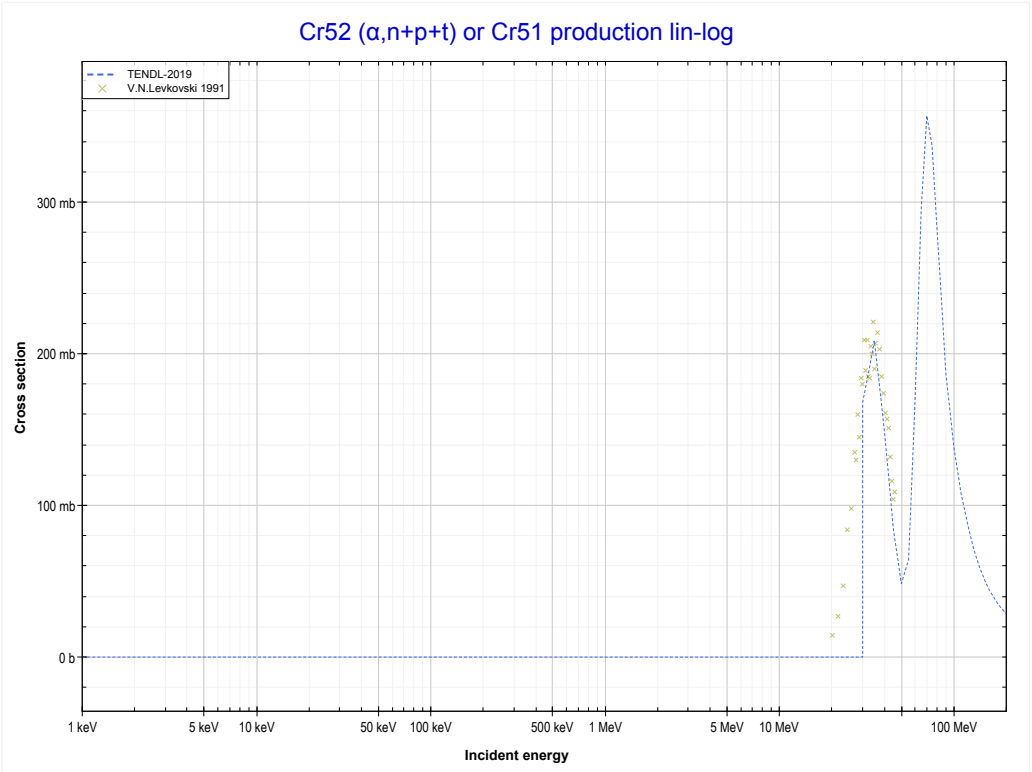
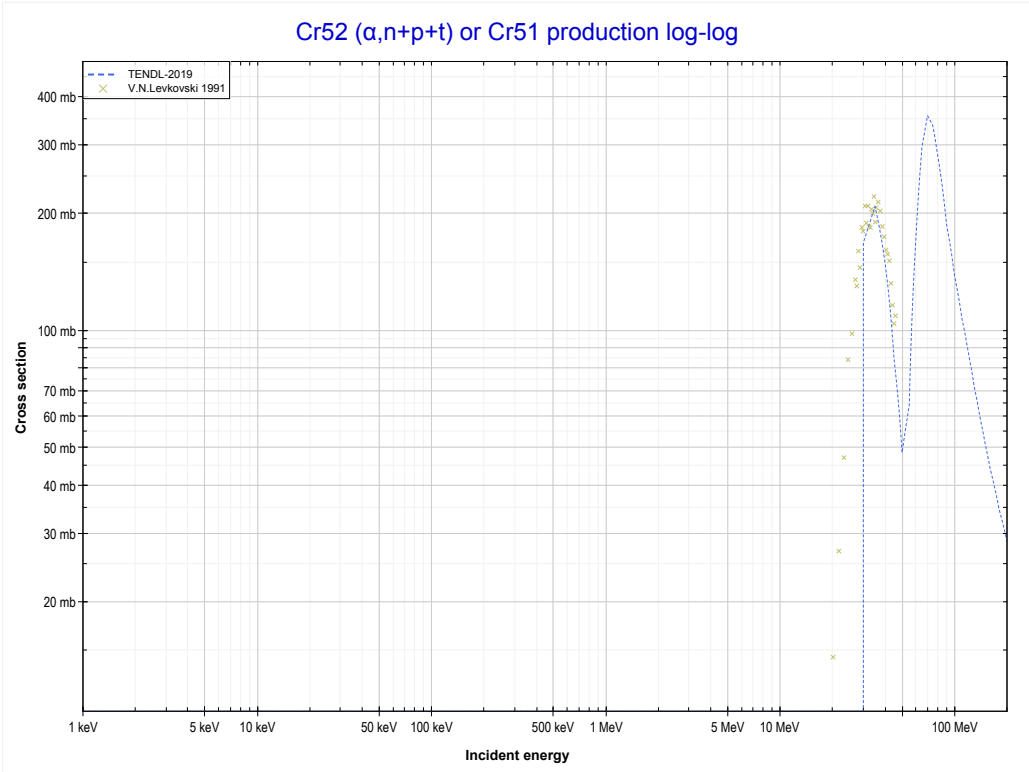
Reaction	Q-Value
Cr52($\alpha,n+\alpha$)Cr51	-12039.12 keV
Cr52($\alpha,d+t$)Cr51	-29628.42 keV
Cr52($\alpha,n+p+t$)Cr51	-31852.98 keV
Cr52($\alpha,2n+^3\text{He}$)Cr51	-32616.74 keV
Cr52($\alpha,n+2d$)Cr51	-35885.64 keV
Cr52($\alpha,2n+p+d$)Cr51	-38110.21 keV
Cr52($\alpha,3n+2p$)Cr51	-40334.78 keV

<< 24-Cr-50	24-Cr-52	25-Mn-55 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Cr51 production)	MT184 ($\alpha,n+p+t$) >>



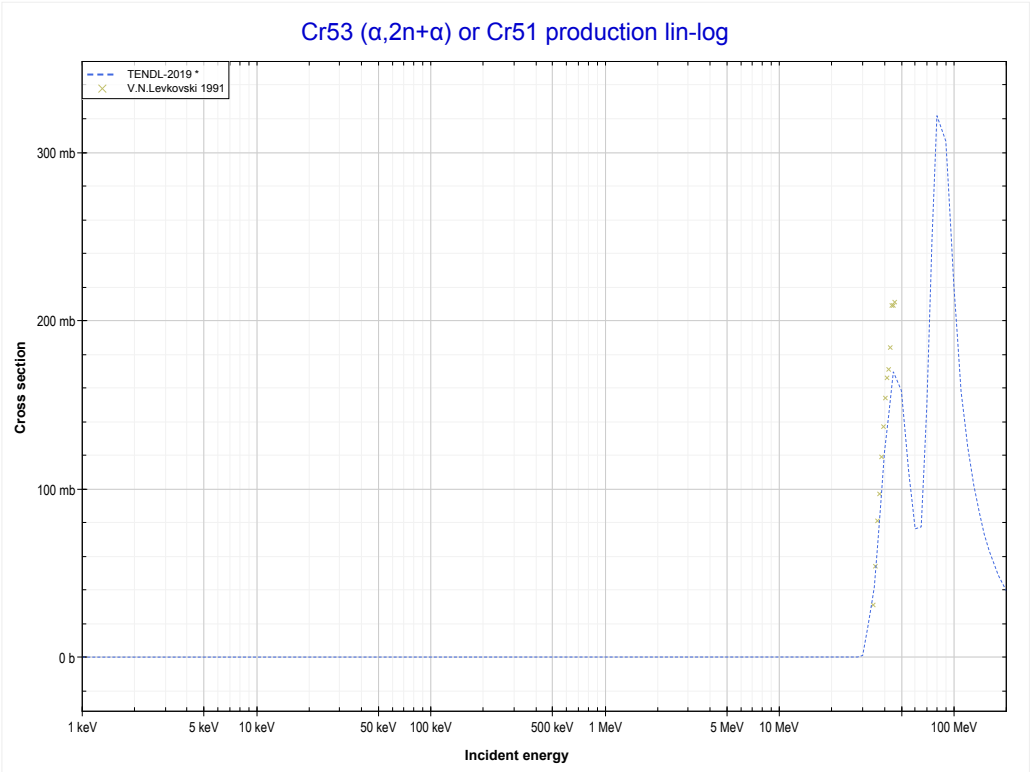
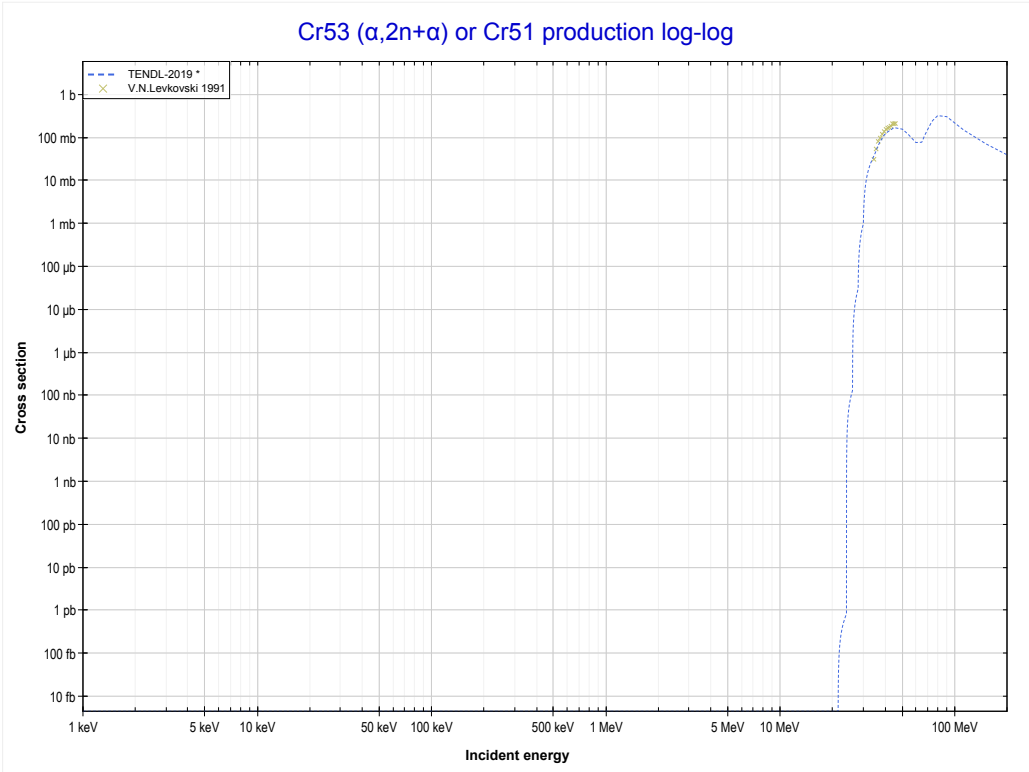
Reaction	Q-Value
Cr52($\alpha,n+\alpha$)Cr51	-12039.12 keV
Cr52($\alpha,d+t$)Cr51	-29628.42 keV
Cr52($\alpha,n+p+t$)Cr51	-31852.98 keV
Cr52($\alpha,2n+He3$)Cr51	-32616.74 keV
Cr52($\alpha,n+2d$)Cr51	-35885.64 keV
Cr52($\alpha,2n+p+d$)Cr51	-38110.21 keV
Cr52($\alpha,3n+2p$)Cr51	-40334.78 keV

<< 24-Cr-50	24-Cr-52	25-Mn-55 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Cr51 production)	24-Cr-53 MT24 (α,2n+α) >>



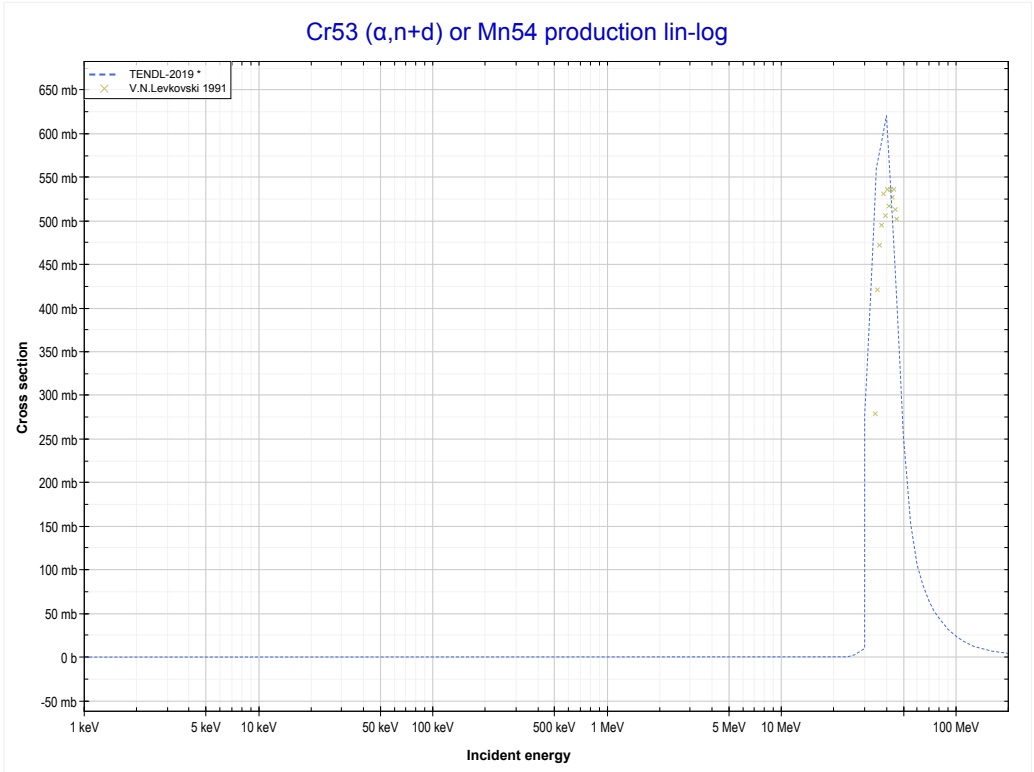
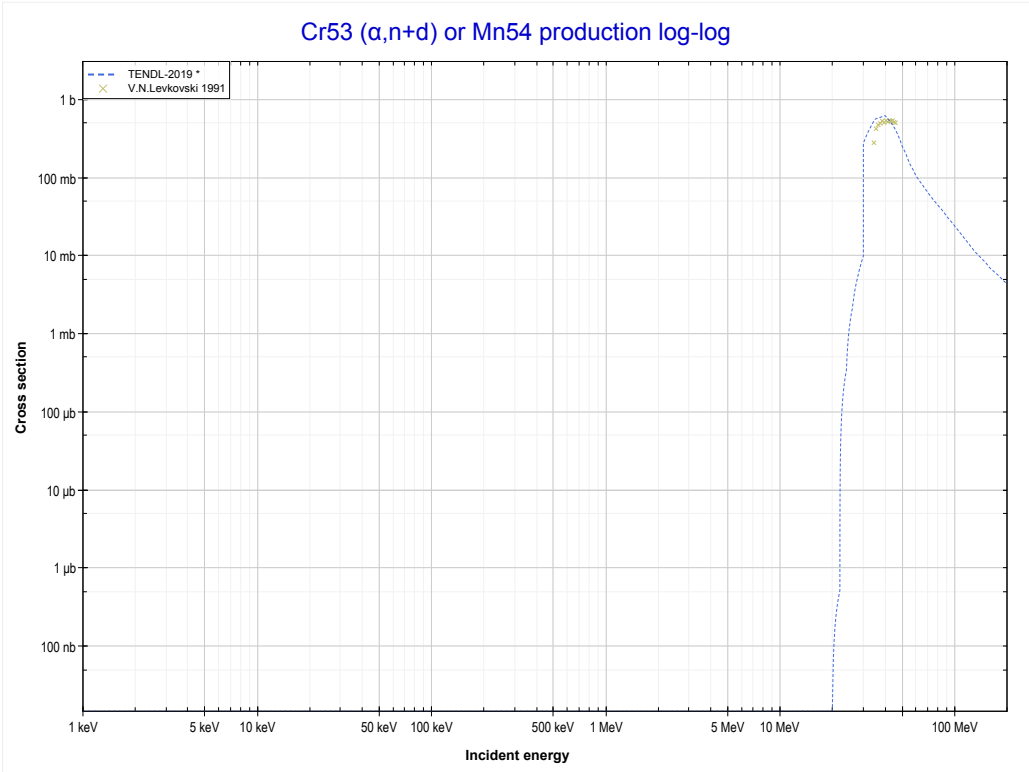
Reaction	Q-Value
Cr52(α,n+α)Cr51	-12039.12 keV
Cr52(α,d+t)Cr51	-29628.42 keV
Cr52(α,n+p+t)Cr51	-31852.98 keV
Cr52(α,2n+He3)Cr51	-32616.74 keV
Cr52(α,n+2d)Cr51	-35885.64 keV
Cr52(α,2n+p+d)Cr51	-38110.21 keV
Cr52(α,3n+2p)Cr51	-40334.78 keV

<< 24-Cr-50	24-Cr-53	26-Fe-54 >>
<< 24-Cr-52 MT184 (α,n+p+t)	MT24 (α,2n+α) or MT5 (Cr51 production)	MT32 (α,n+d) >>



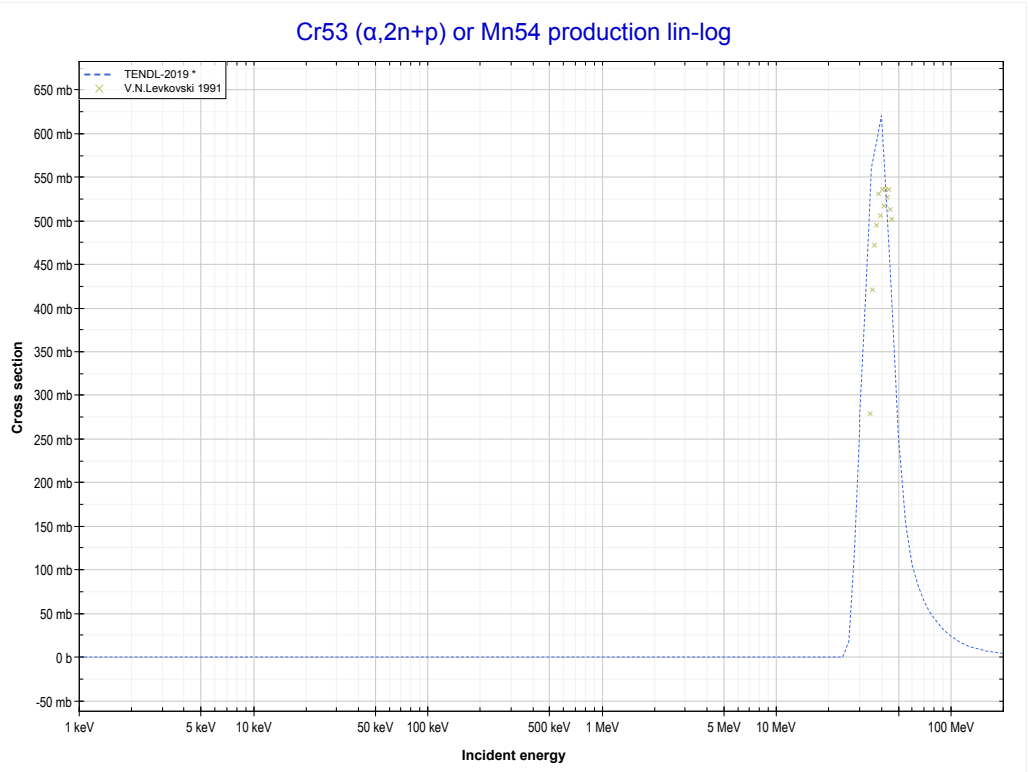
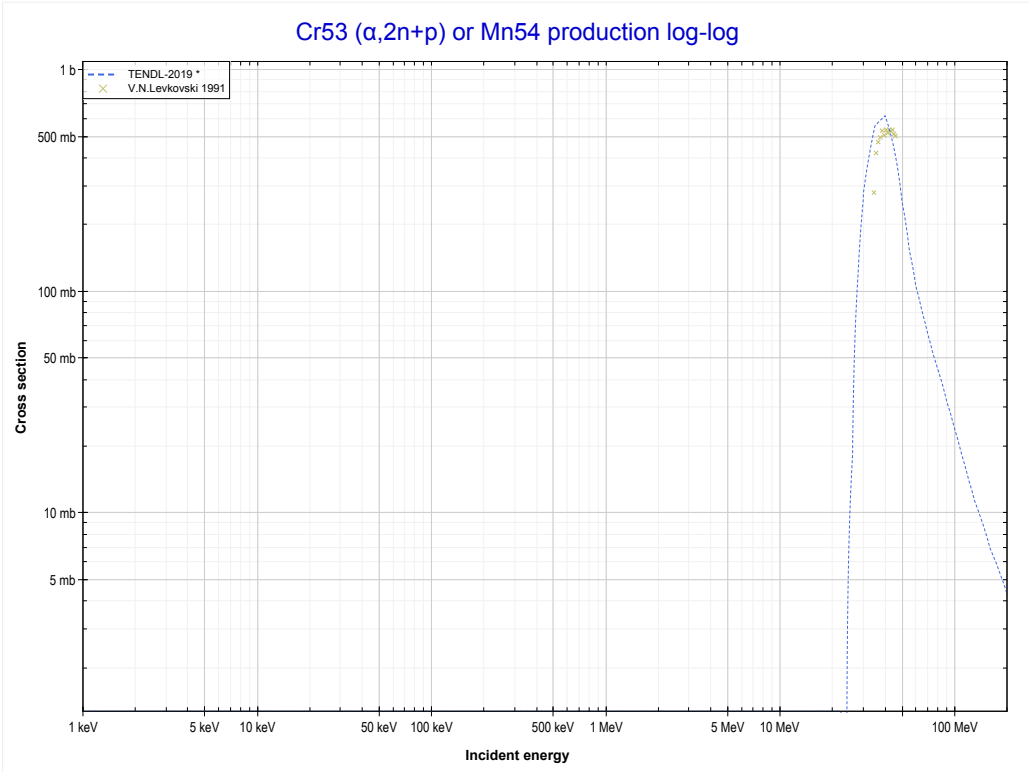
Reaction	Q-Value
Cr53(α,2n+α)Cr51	-19978.23 keV
Cr53(α,2t)Cr51	-31310.30 keV
Cr53(α,n+d+t)Cr51	-37567.53 keV
Cr53(α,2n+p+t)Cr51	-39792.10 keV
Cr53(α,3n+He3)Cr51	-40555.85 keV
Cr53(α,2n+2d)Cr51	-43824.76 keV
Cr53(α,3n+p+d)Cr51	-46049.33 keV
Cr53(α,4n+2p)Cr51	-48273.89 keV

<< 22-Ti-47	24-Cr-53	26-Fe-54 >>
<< MT24 ($\alpha,2n+\alpha$)	MT32 ($\alpha,n+d$) or MT5 (Mn54 production)	MT41 ($\alpha,2n+p$) >>



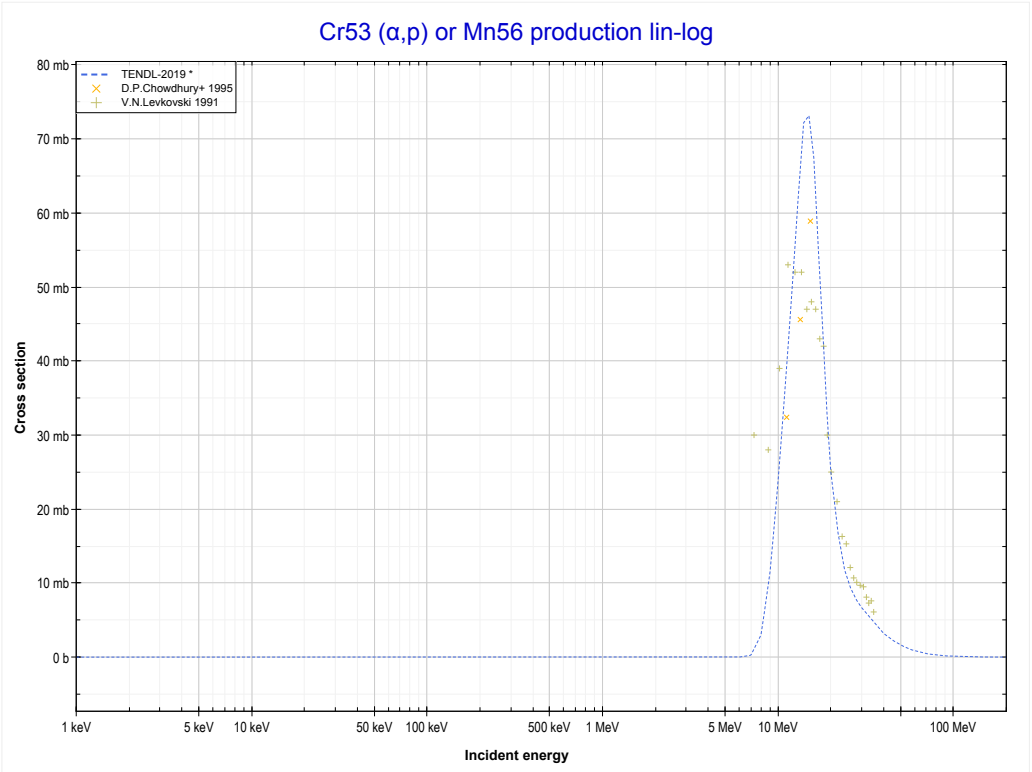
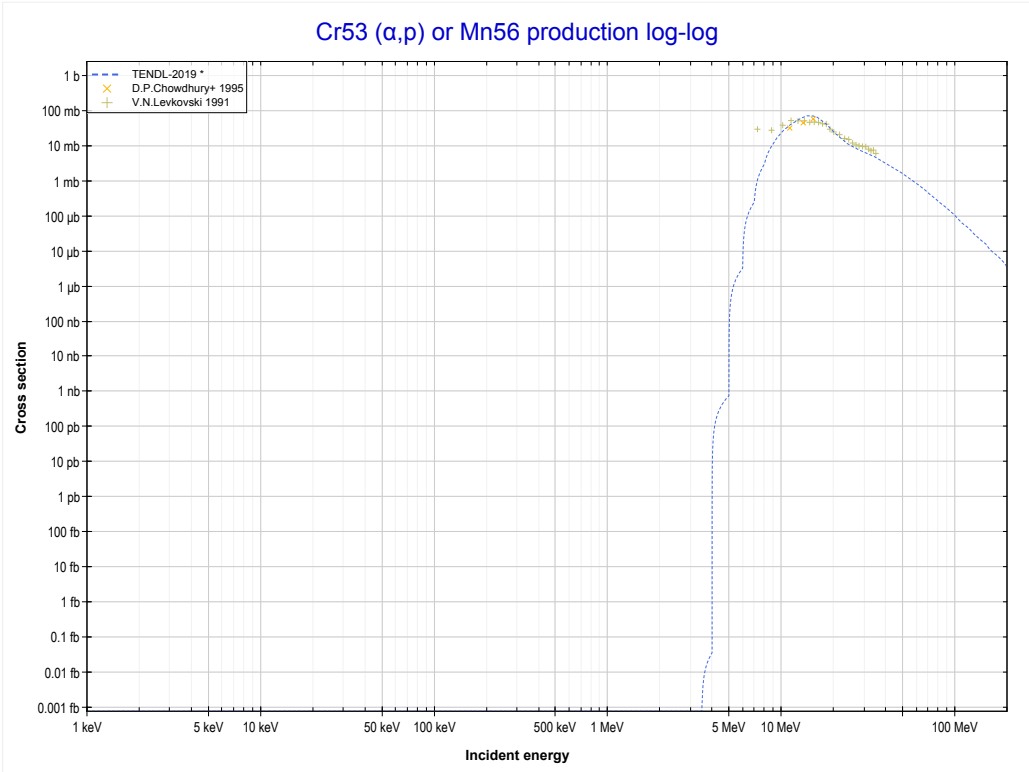
Reaction	Q-Value
Cr53(α,t)Mn54	-12254.29 keV
Cr53($\alpha,n+d$)Mn54	-18511.52 keV
Cr53($\alpha,2n+p$)Mn54	-20736.09 keV

<< 22-Ti-47	24-Cr-53	26-Fe-54 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Mn54 production)	MT103 (α,p) >>



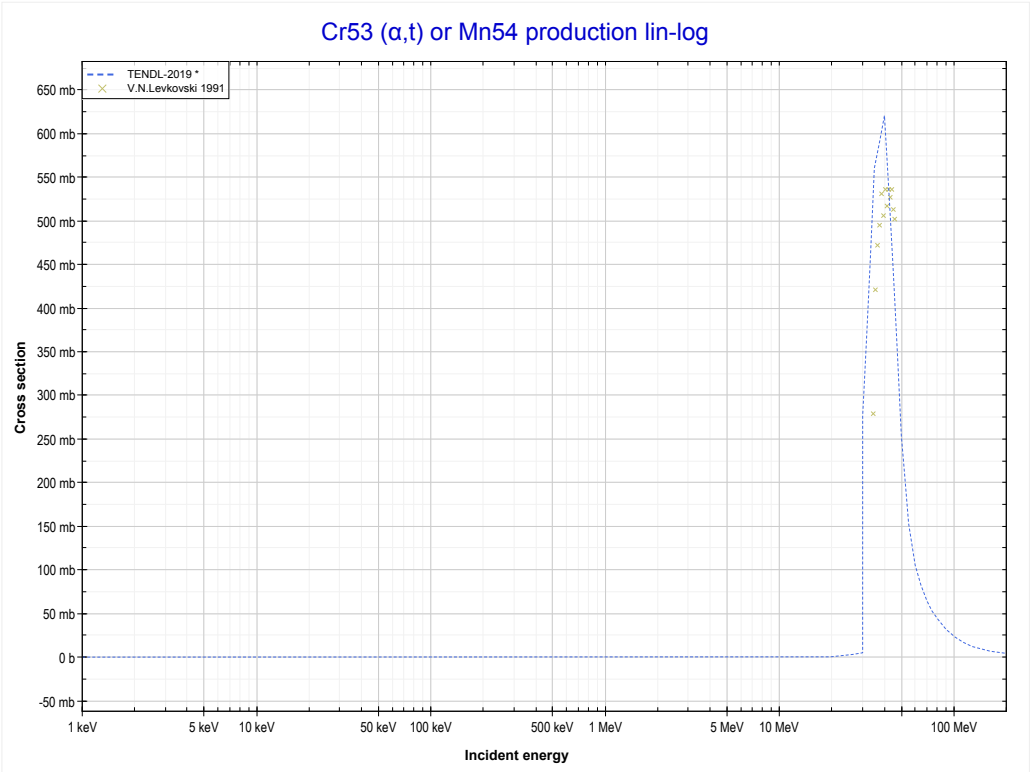
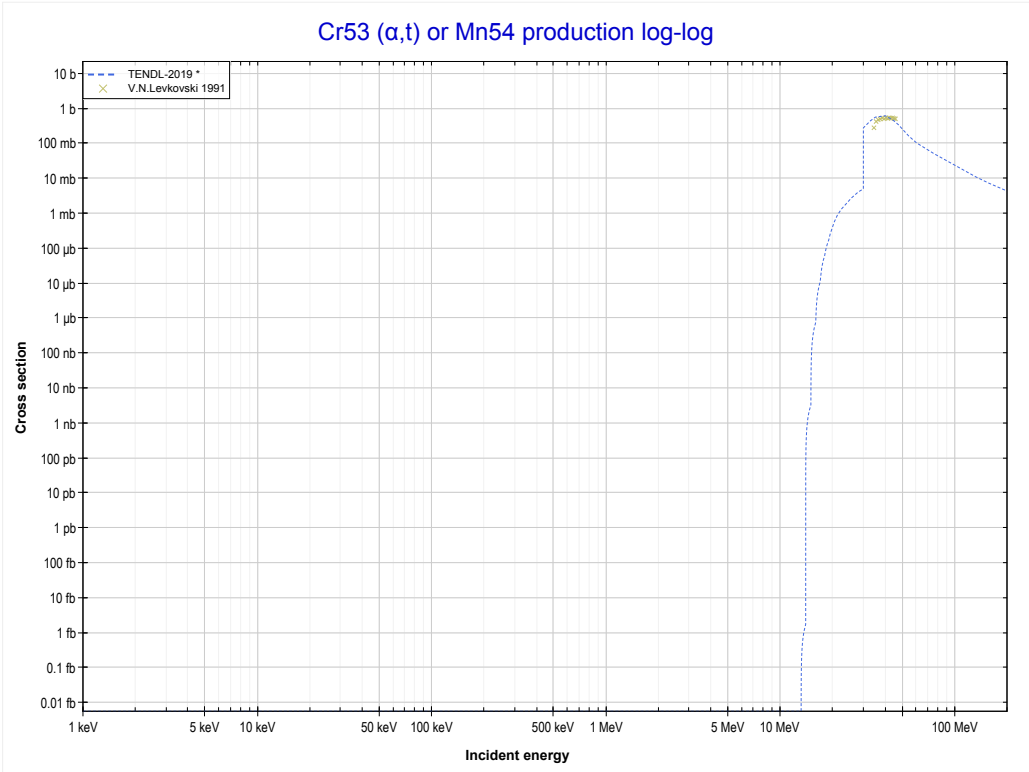
Reaction	Q-Value
Cr53(α,t)Mn54	-12254.29 keV
Cr53(α,n+d)Mn54	-18511.52 keV
Cr53(α,2n+p)Mn54	-20736.09 keV

<< 20-Ca-44	24-Cr-53	26-Fe-54 >>
<< MT41 ($\alpha,2n+p$)	MT103 (α,p) or MT5 (Mn56 production)	MT105 (α,t) >>



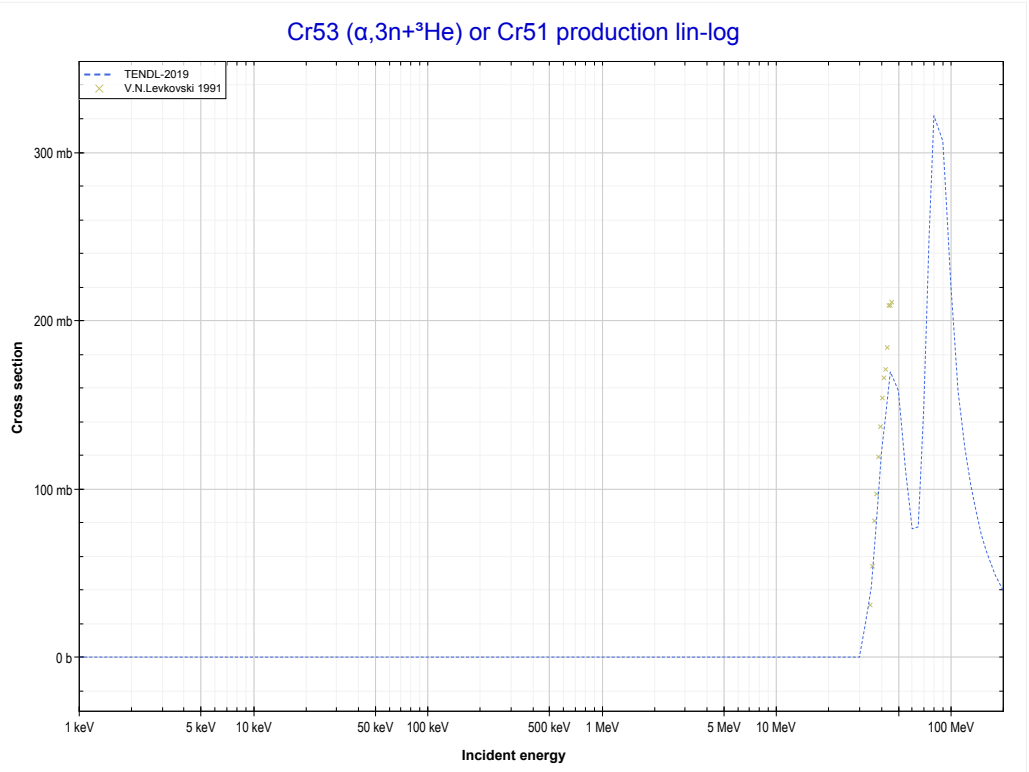
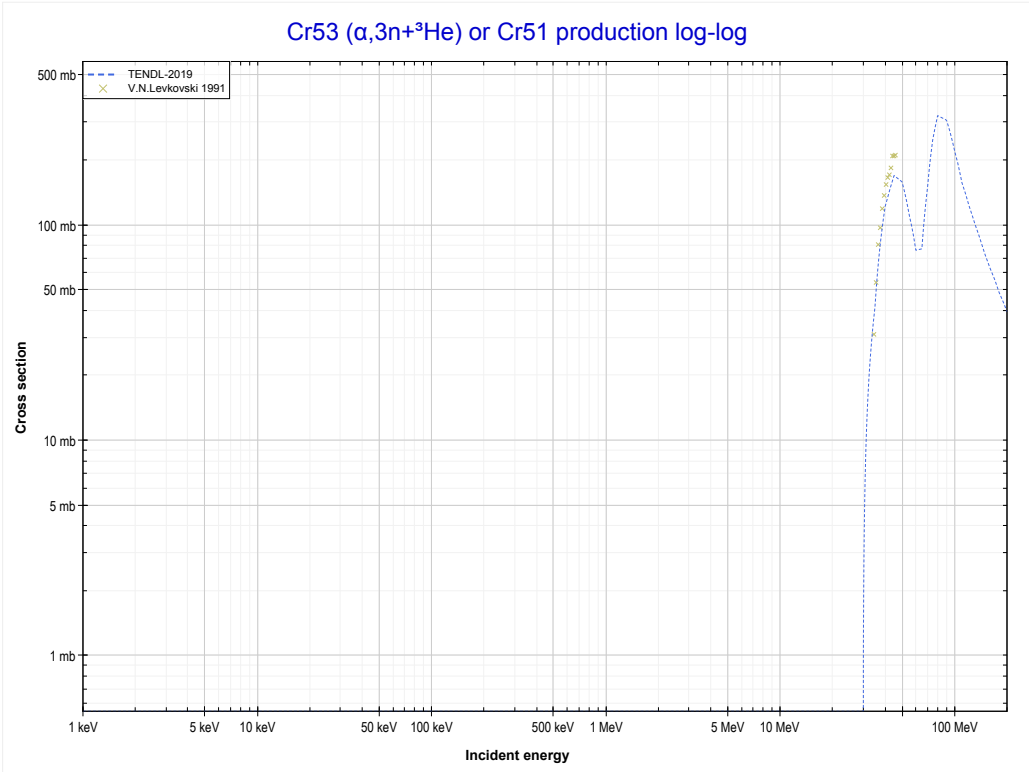
Reaction	Q-Value
Cr53(α,p)Mn56	-3239.55 keV

<< 22-Ti-47	24-Cr-53	26-Fe-54 >>
<< MT103 (α,p)	MT105 (α,t) or MT5 (Mn54 production)	MT177 (α,3n+³He) >>



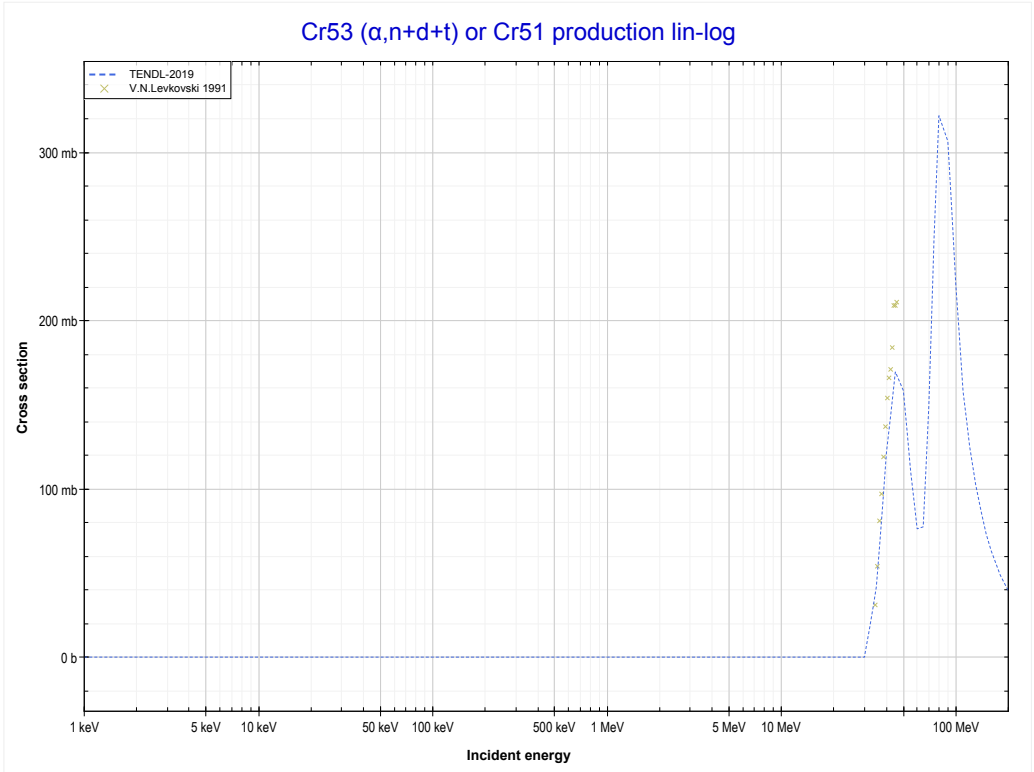
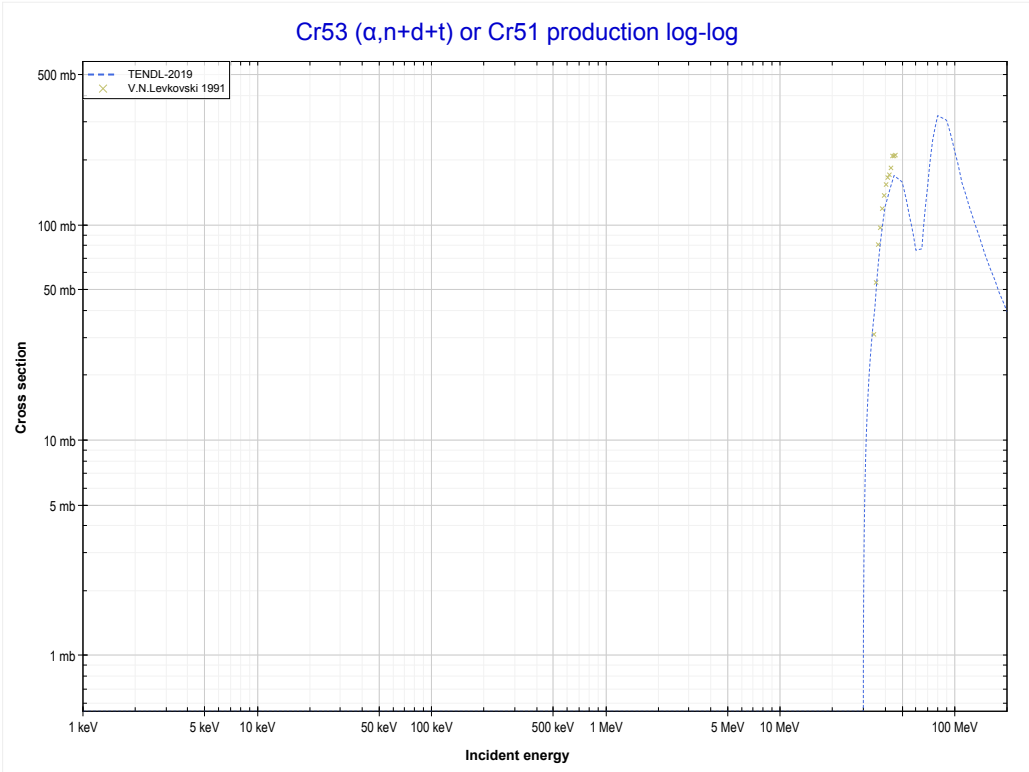
Reaction	Q-Value
Cr53(α,t)Mn54	-12254.29 keV
Cr53(α,n+d)Mn54	-18511.52 keV
Cr53(α,2n+p)Mn54	-20736.09 keV

<< 24-Cr-50	24-Cr-53	26-Fe-54 >>
<< MT105 (α,t)	MT177 (α,3n+ ³ He) or MT5 (Cr51 production)	MT185 (α,n+d+t) >>



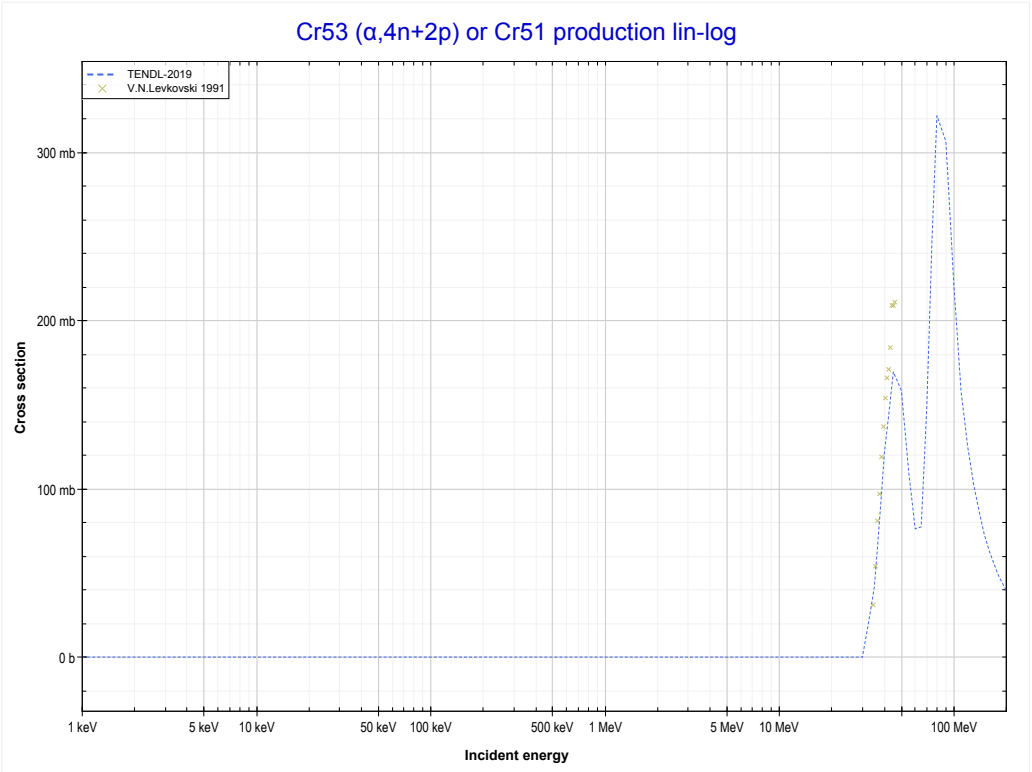
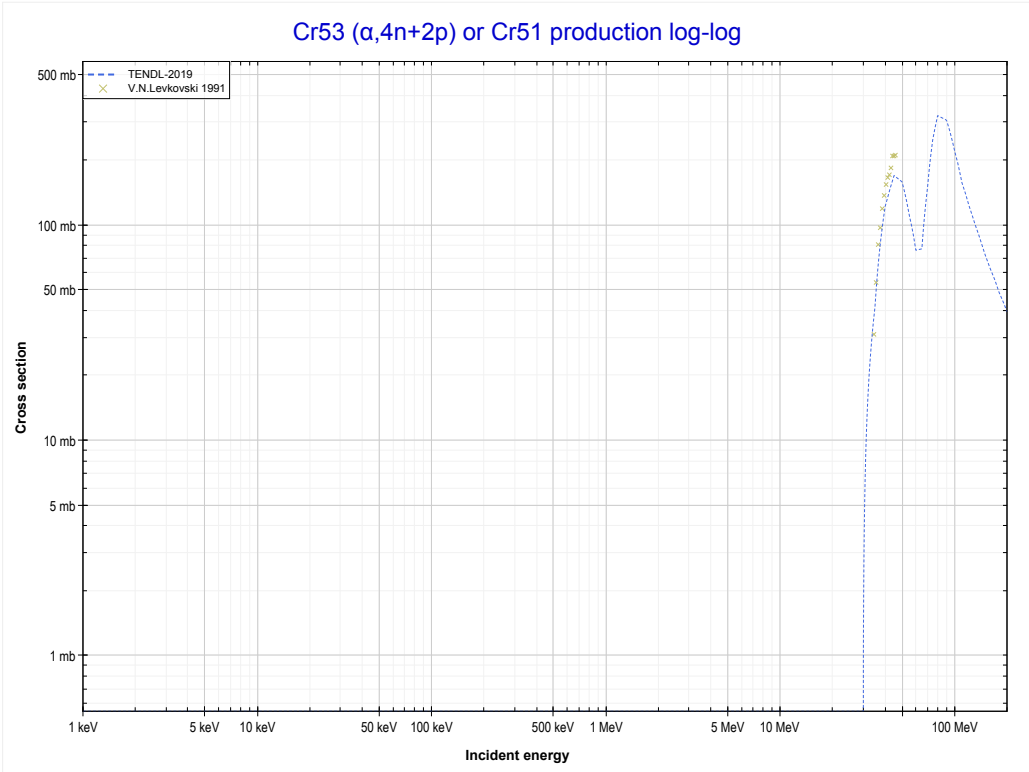
Reaction	Q-Value
Cr53(α,2n+α)Cr51	-19978.23 keV
Cr53(α,2t)Cr51	-31310.30 keV
Cr53(α,n+d+t)Cr51	-37567.53 keV
Cr53(α,2n+p+t)Cr51	-39792.10 keV
Cr53(α,3n+He3)Cr51	-40555.85 keV
Cr53(α,2n+2d)Cr51	-43824.76 keV
Cr53(α,3n+p+d)Cr51	-46049.33 keV
Cr53(α,4n+2p)Cr51	-48273.89 keV

<< 24-Cr-50	24-Cr-53	26-Fe-54 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT185 ($\alpha,n+d+t$) or MT5 (Cr51 production)	MT194 ($\alpha,4n+2p$) >>



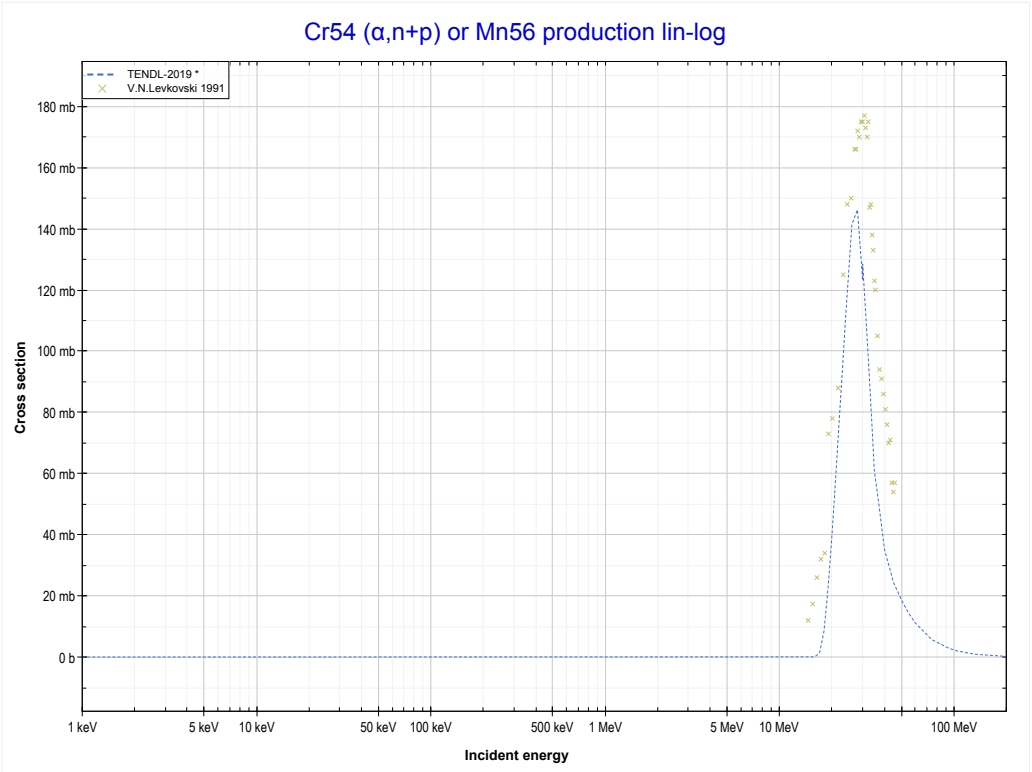
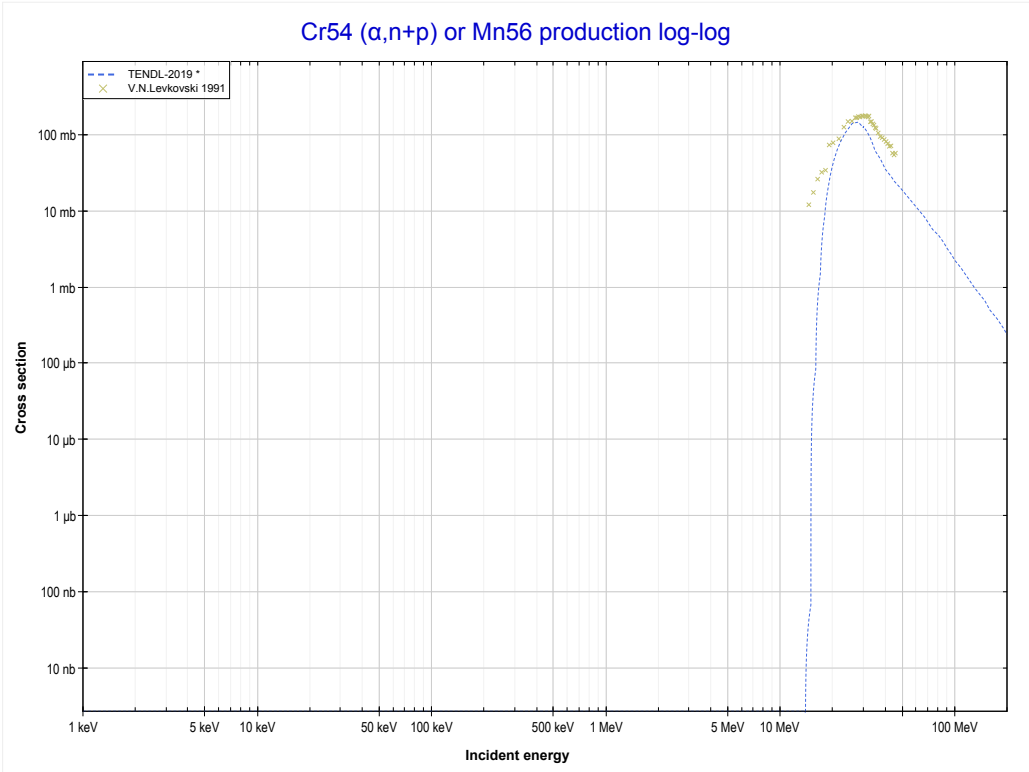
Reaction	Q-Value
Cr53($\alpha,2n+\alpha$)Cr51	-19978.23 keV
Cr53($\alpha,2t$)Cr51	-31310.30 keV
Cr53($\alpha,n+d+t$)Cr51	-37567.53 keV
Cr53($\alpha,2n+p+t$)Cr51	-39792.10 keV
Cr53($\alpha,3n+^3\text{He}$)Cr51	-40555.85 keV
Cr53($\alpha,2n+2d$)Cr51	-43824.76 keV
Cr53($\alpha,3n+p+d$)Cr51	-46049.33 keV
Cr53($\alpha,4n+2p$)Cr51	-48273.89 keV

<< 24-Cr-50	24-Cr-53	26-Fe-54 >>
<< MT185 (α,n+d+t)	MT194 (α,4n+2p) or MT5 (Cr51 production)	24-Cr-54 MT28 (α,n+p) >>



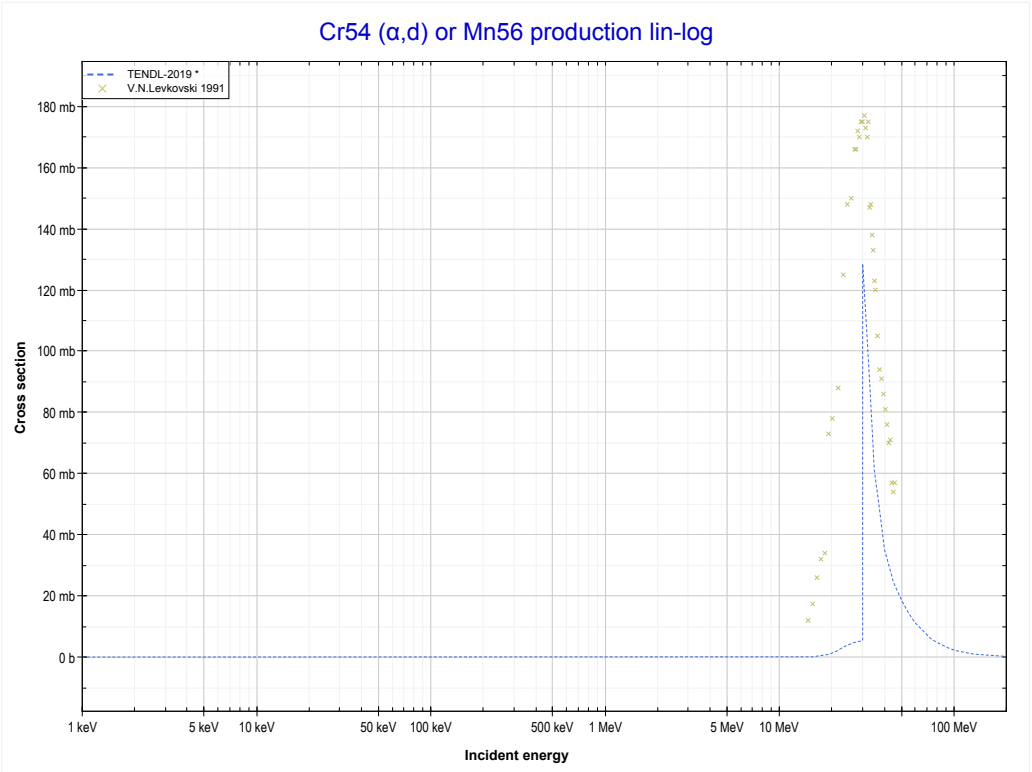
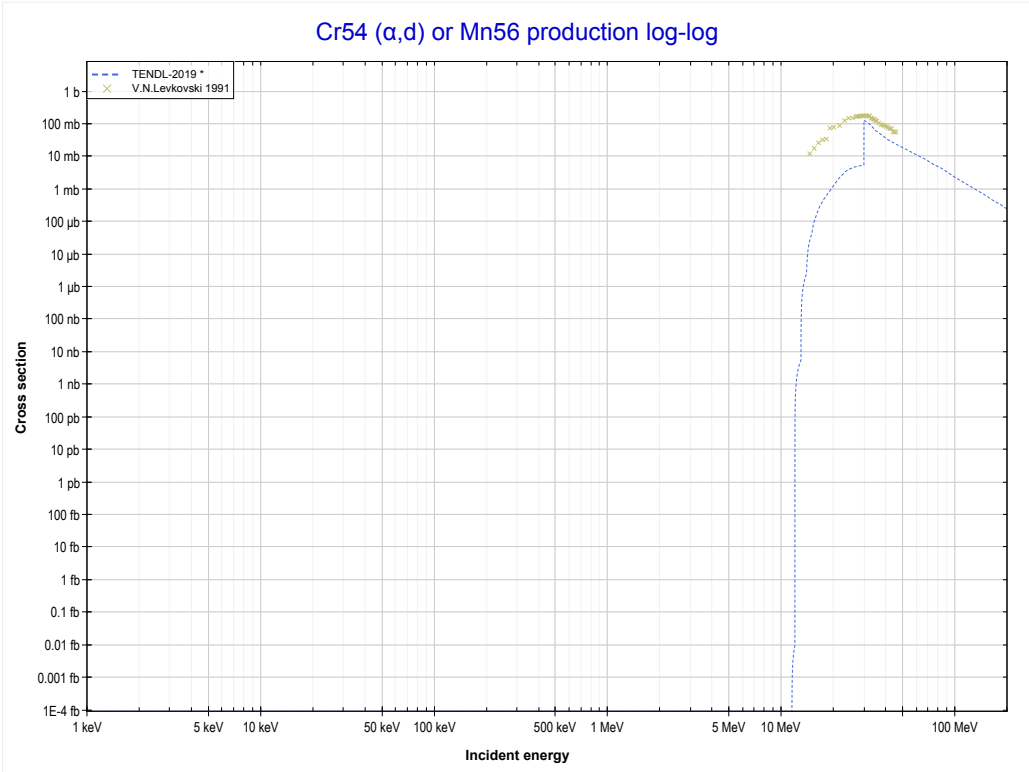
Reaction	Q-Value
Cr53(α,2n+α)Cr51	-19978.23 keV
Cr53(α,2t)Cr51	-31310.30 keV
Cr53(α,n+d+t)Cr51	-37567.53 keV
Cr53(α,2n+p+t)Cr51	-39792.10 keV
Cr53(α,3n+He3)Cr51	-40555.85 keV
Cr53(α,2n+2d)Cr51	-43824.76 keV
Cr53(α,3n+p+d)Cr51	-46049.33 keV
Cr53(α,4n+2p)Cr51	-48273.89 keV

<< 24-Cr-52	24-Cr-54	26-Fe-54 >>
<< 24-Cr-53 MT194 ($\alpha,4n+2p$)	MT28 ($\alpha,n+p$) or MT5 (Mn56 production)	MT104 (α,d) >>



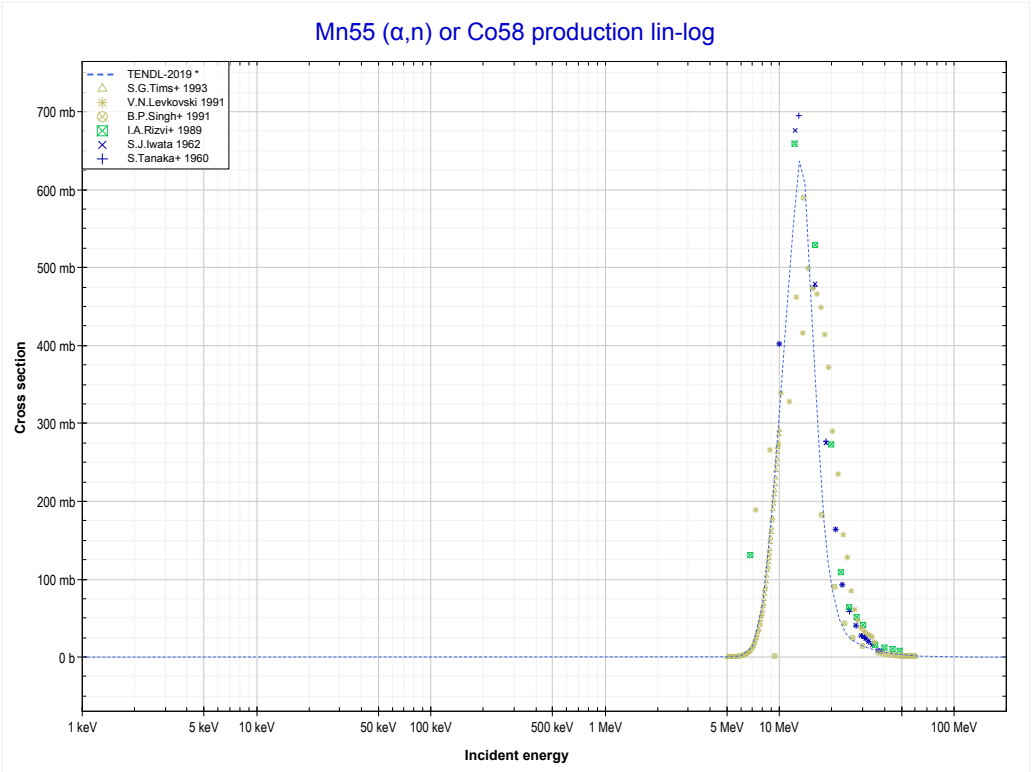
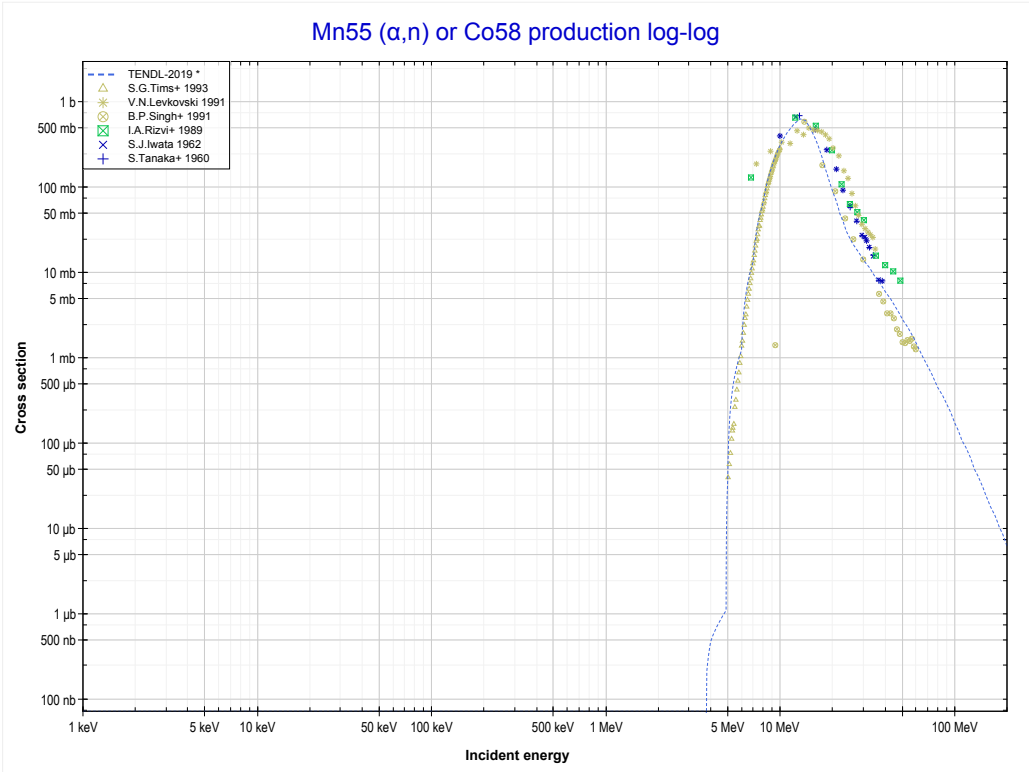
Reaction	Q-Value
Cr54(α,d)Mn56	-10734.11 keV
Cr54($\alpha,n+p$)Mn56	-12958.67 keV

<< 24-Cr-52	24-Cr-54	26-Fe-54 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (Mn56 production)	25-Mn-55 MT4 (α,n) >>



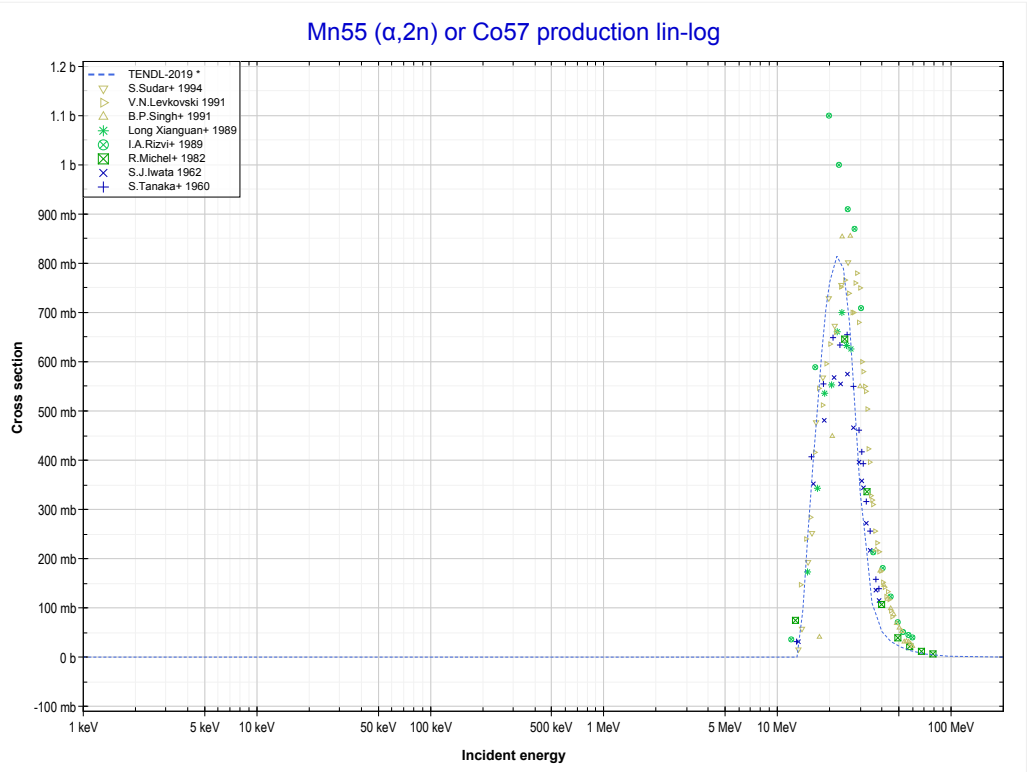
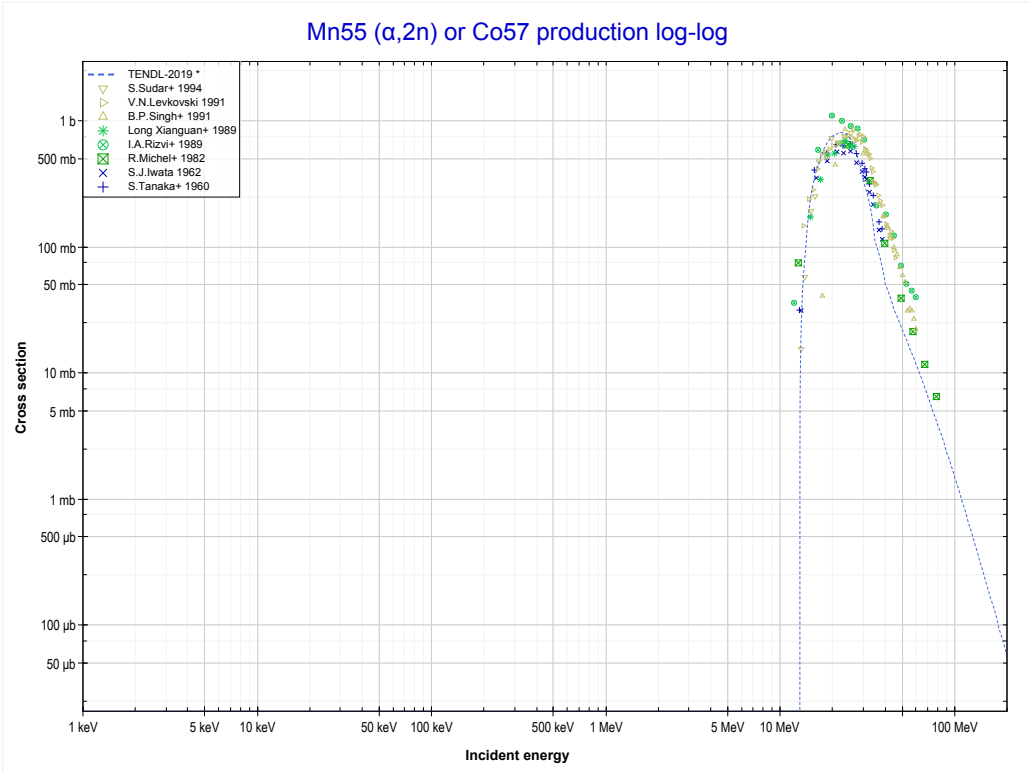
Reaction	Q-Value
Cr54(α,d)Mn56	-10734.11 keV
Cr54(α,n+p)Mn56	-12958.67 keV

<< 24-Cr-50	25-Mn-55	26-Fe-54 >>
<< 24-Cr-54 MT104 (α,d)	MT4 (α,n) or MT5 (Co58 production)	MT16 (α,2n) >>



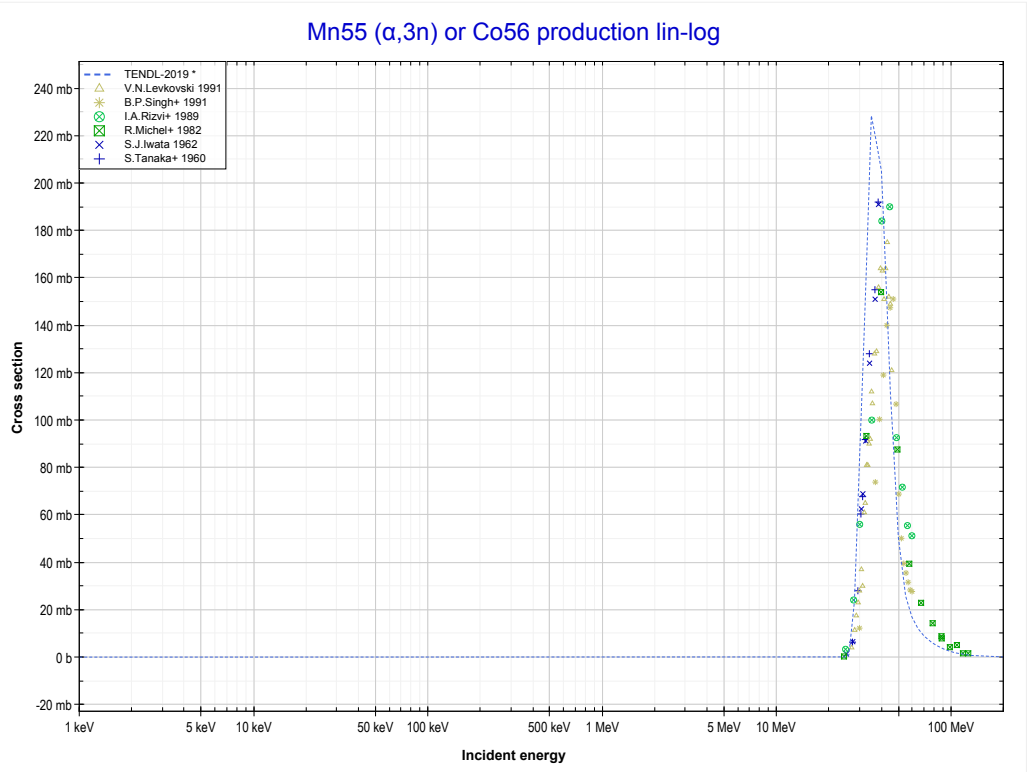
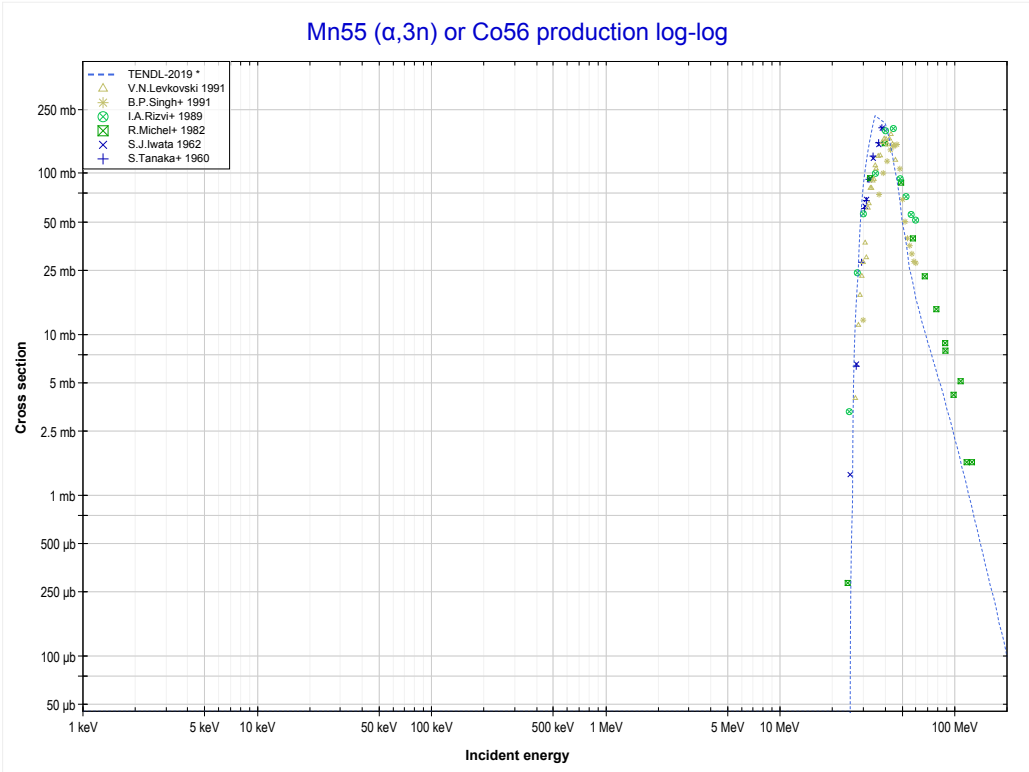
Reaction	Q-Value
Mn55(α,n)Co58	-3511.60 keV

<< 24-Cr-50	25-Mn-55	26-Fe-54 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Co57 production)	MT17 (α,3n) >>



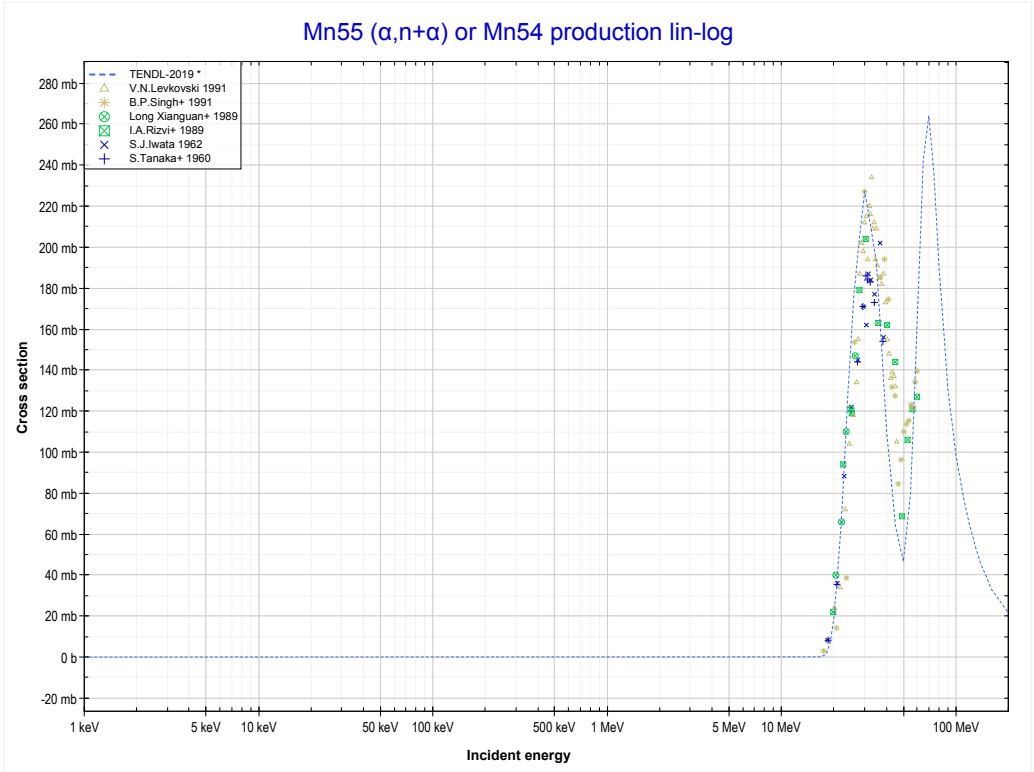
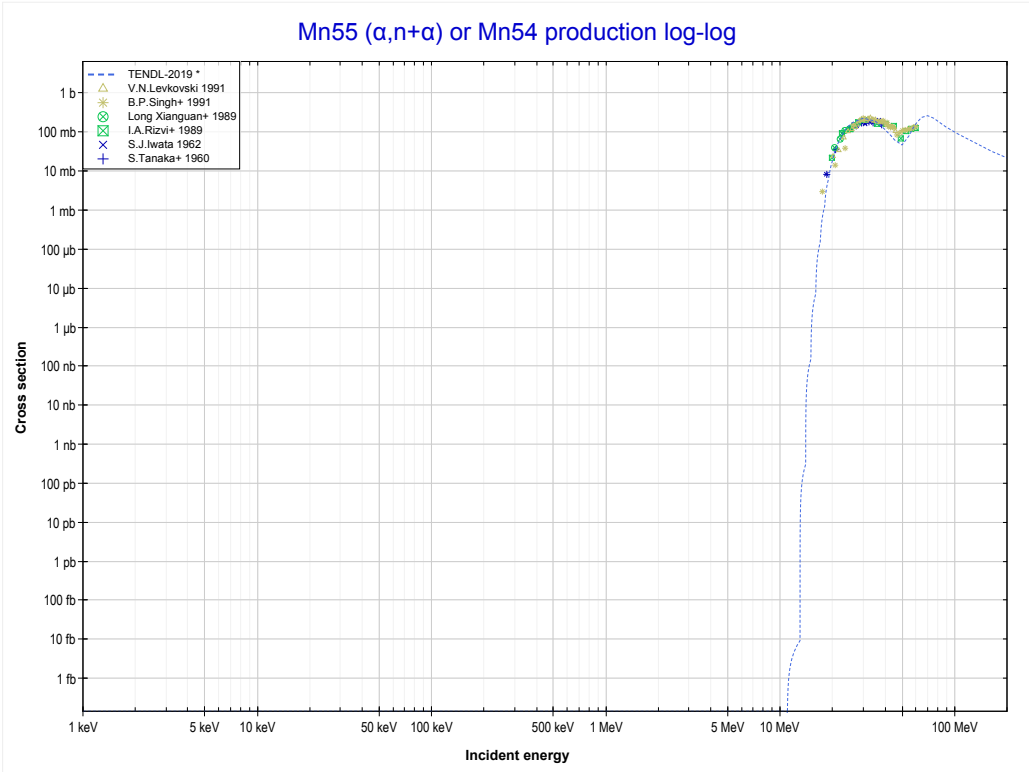
Reaction	Q-Value
Mn55(α,2n)Co57	-12084.52 keV

<< 23-V-51	25-Mn-55	26-Fe-56 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Co56 production)	MT22 ($\alpha,n+\alpha$) >>



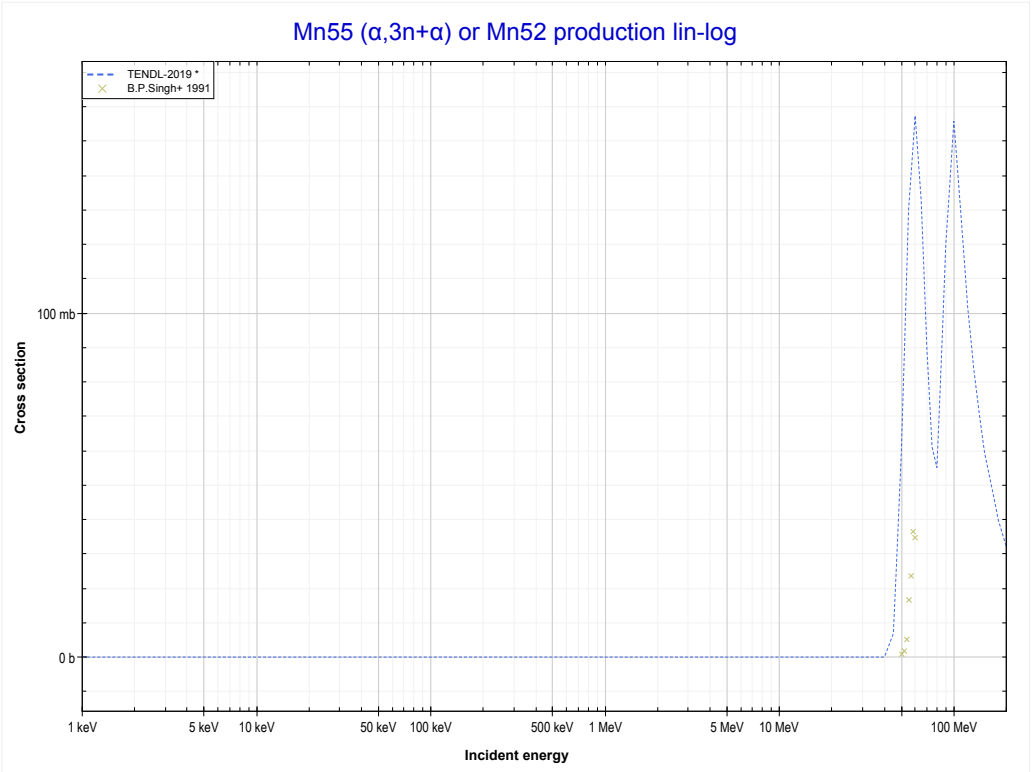
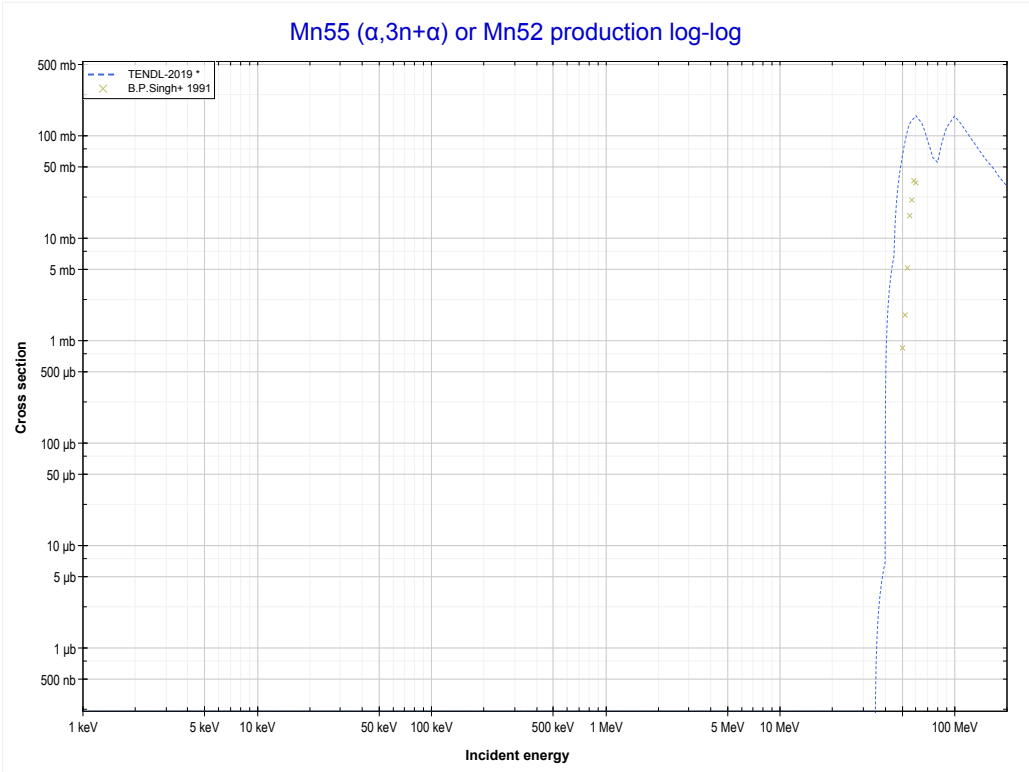
Reaction	Q-Value
Mn55($\alpha,3n$)Co56	-23461.04 keV

<< 24-Cr-52	25-Mn-55	26-Fe-54 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Mn54 production)	MT25 (α,3n+α) >>



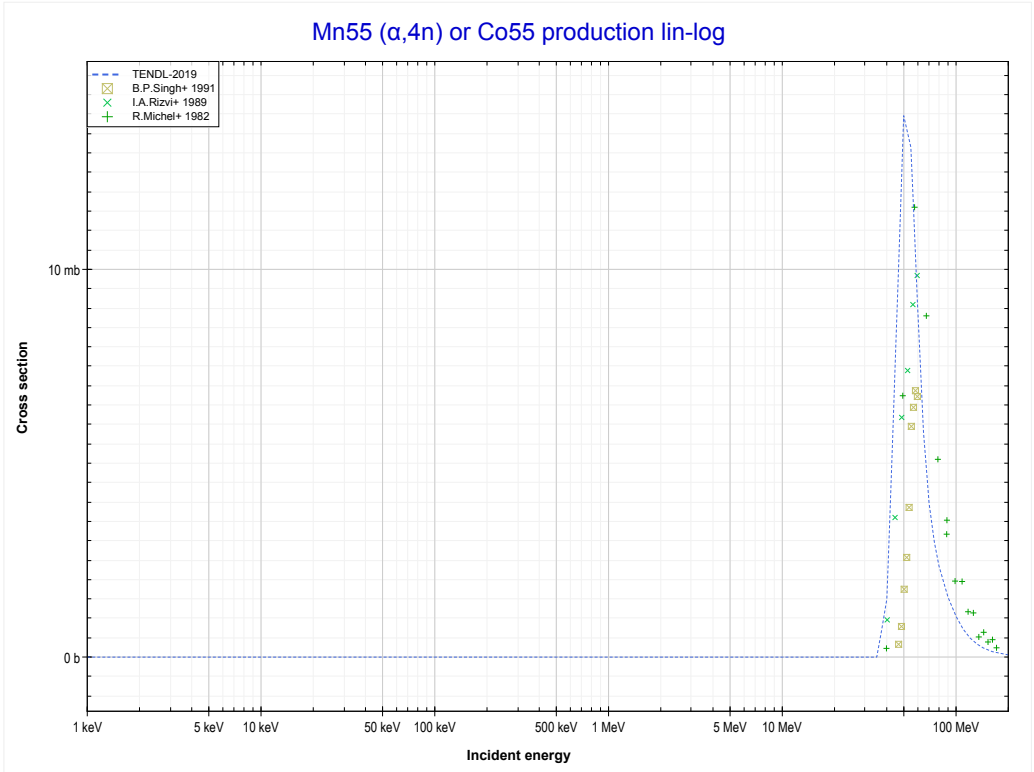
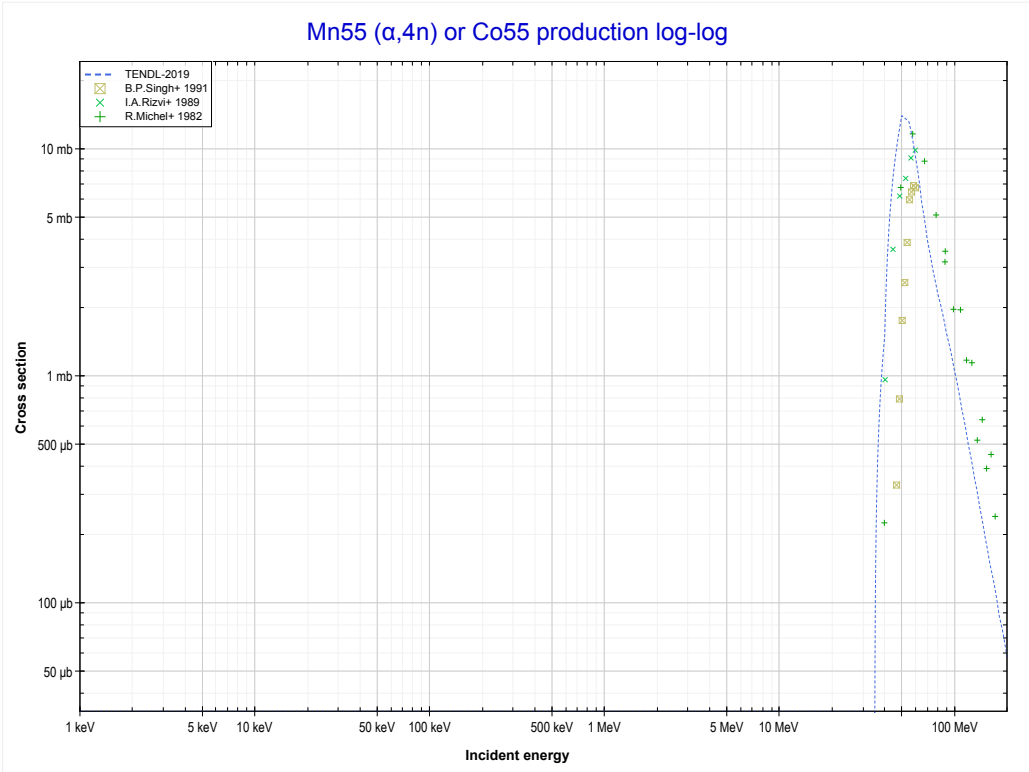
Reaction	Q-Value
Mn55(α,n+α)Mn54	-10226.12 keV
Mn55(α,d+t)Mn54	-27815.42 keV
Mn55(α,n+p+t)Mn54	-30039.98 keV
Mn55(α,2n+He3)Mn54	-30803.74 keV
Mn55(α,n+2d)Mn54	-34072.64 keV
Mn55(α,2n+p+d)Mn54	-36297.21 keV
Mn55(α,3n+2p)Mn54	-38521.78 keV

<< 23-V-51	25-Mn-55	27-Co-59 >>
<< MT22 ($\alpha,n+\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (Mn52 production)	MT37 ($\alpha,4n$) >>



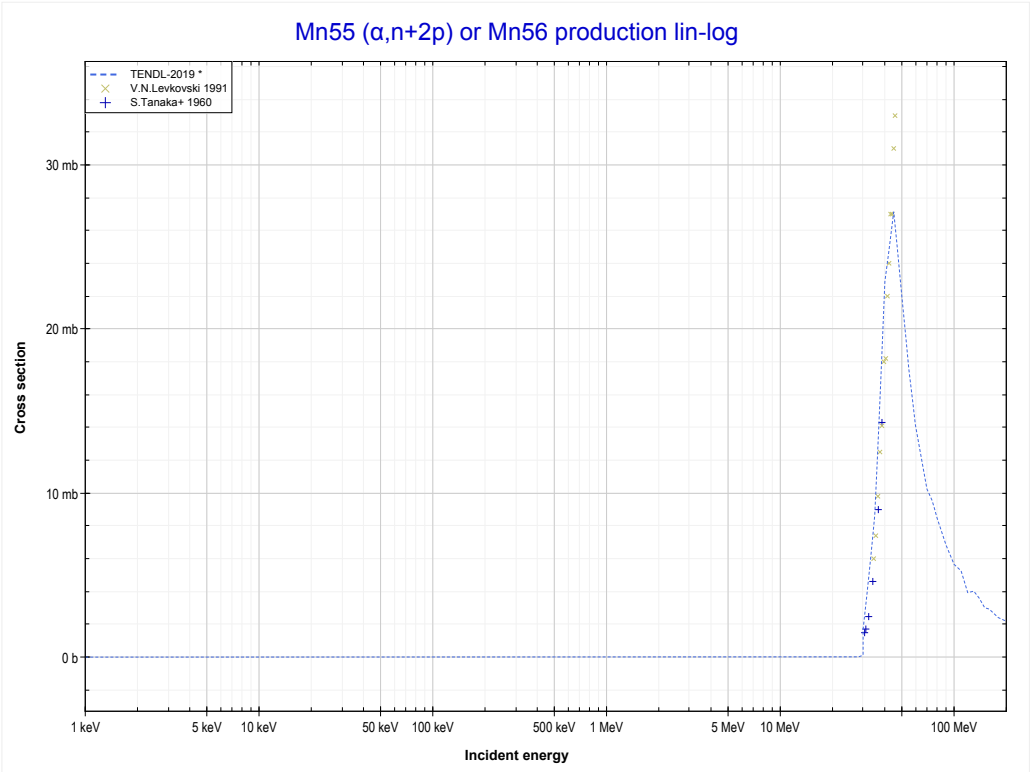
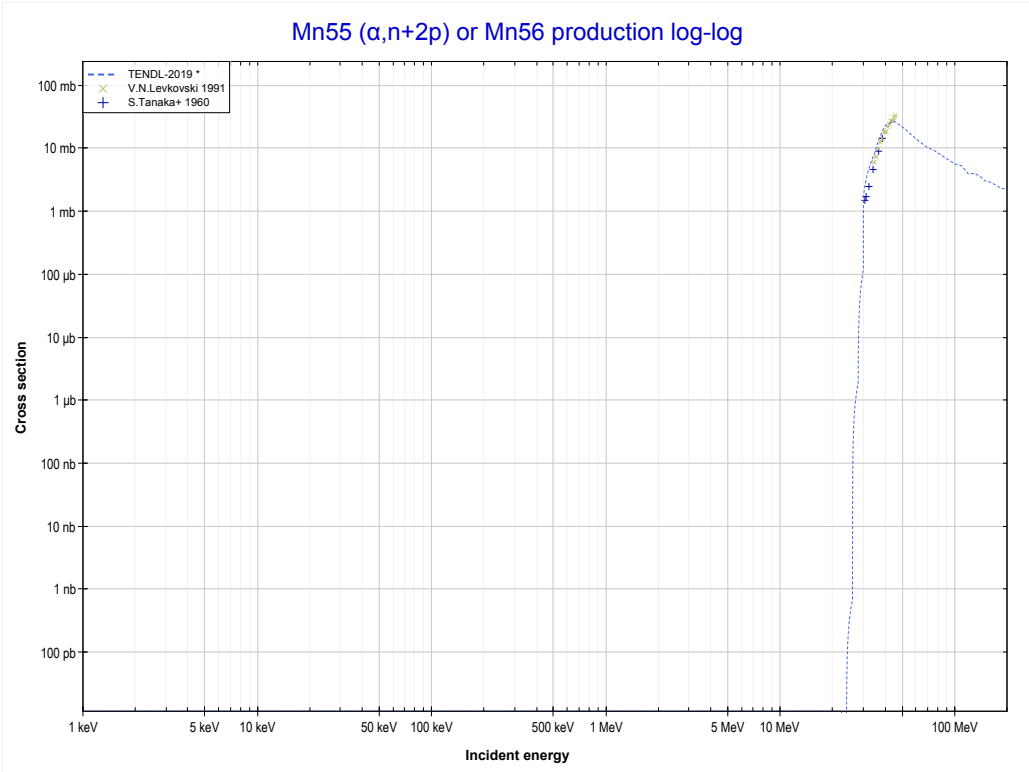
Reaction	Q-Value
Mn55($\alpha,3n+\alpha$)Mn52	-31219.05 keV
Mn55($\alpha,n+2t$)Mn52	-42551.12 keV
Mn55($\alpha,2n+d+t$)Mn52	-48808.35 keV
Mn55($\alpha,3n+p+t$)Mn52	-51032.92 keV
Mn55($\alpha,4n+He3$)Mn52	-51796.67 keV
Mn55($\alpha,3n+2d$)Mn52	-55065.58 keV
Mn55($\alpha,4n+p+d$)Mn52	-57290.15 keV
Mn55($\alpha,5n+2p$)Mn52	-59514.71 keV

<< 22-Ti-48	25-Mn-55	26-Fe-56 >>
<< MT25 ($\alpha,3n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Co55 production)	MT44 ($\alpha,n+2p$) >>



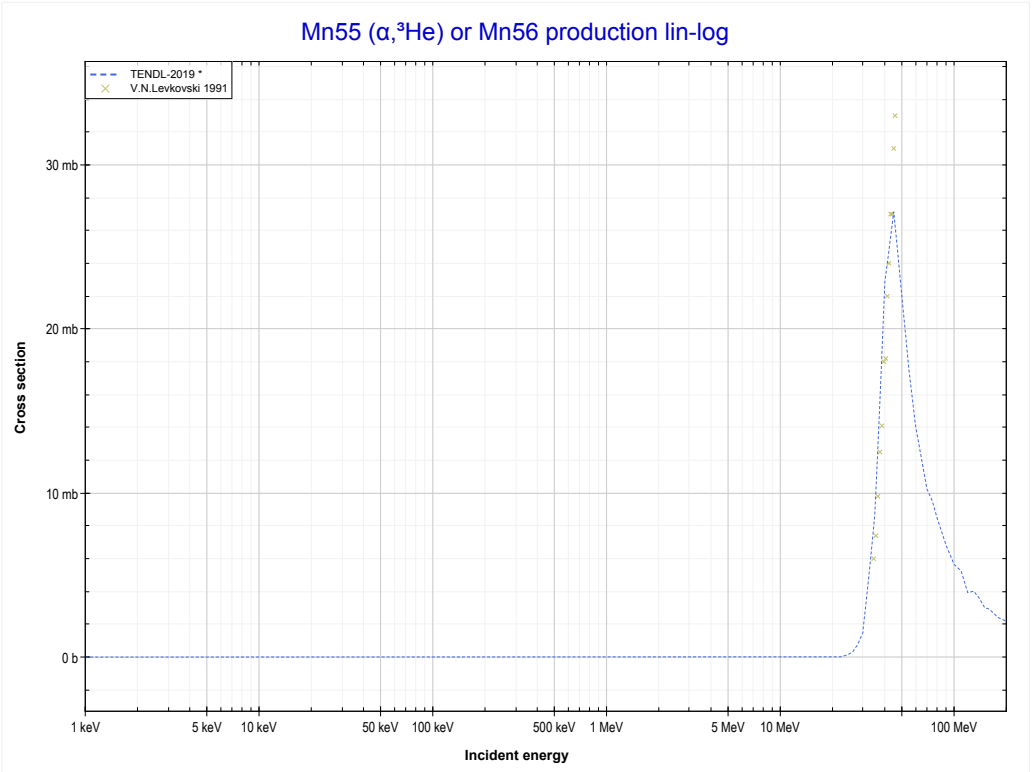
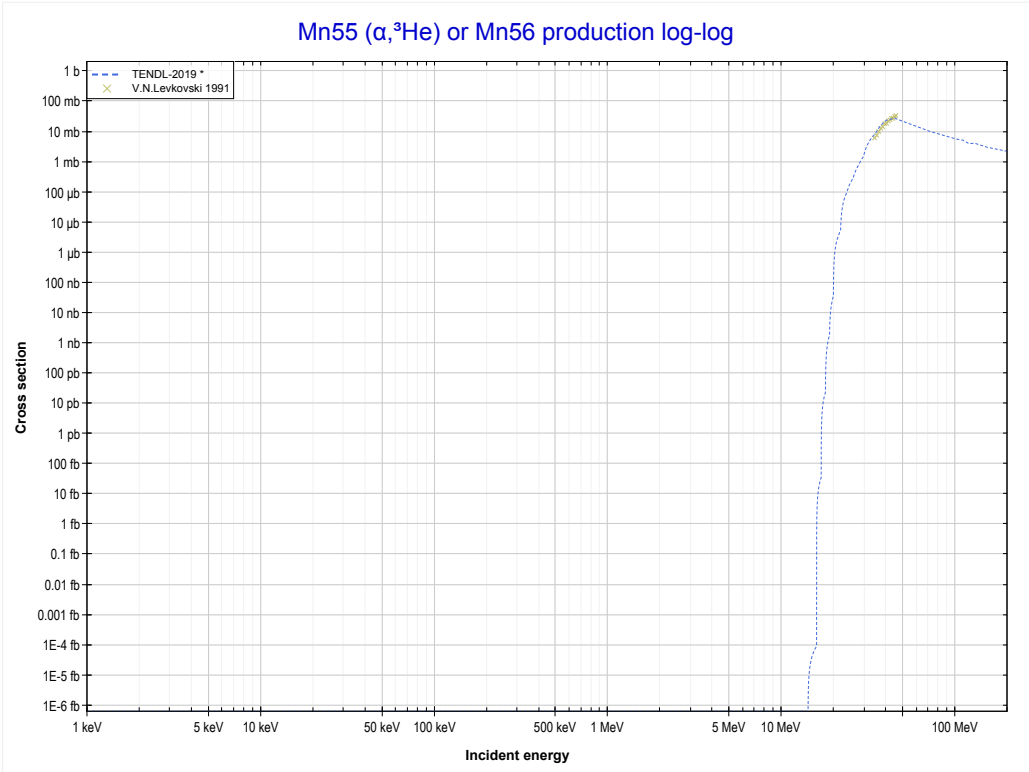
Reaction	Q-Value
Mn55($\alpha,4n$)Co55	-33542.85 keV

<< 21-Sc-45	25-Mn-55	26-Fe-54 >>
<< MT37 ($\alpha,4n$)	MT44 ($\alpha,n+2p$) or MT5 (Mn56 production)	MT106 ($\alpha,^3\text{He}$) >>



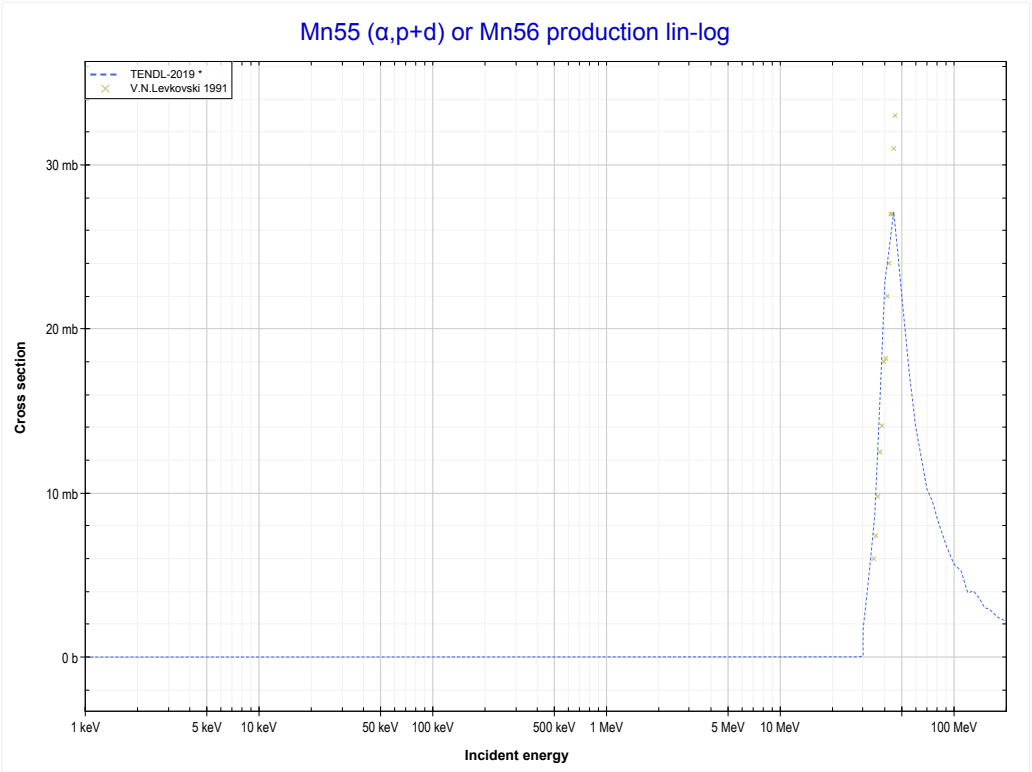
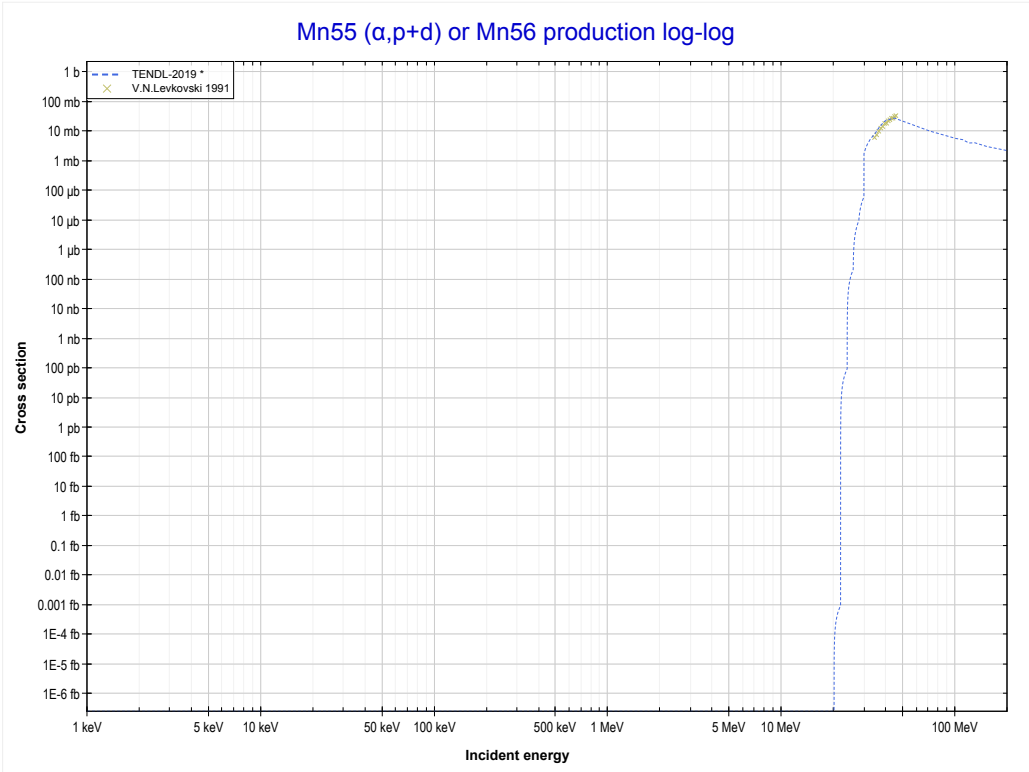
Reaction	Q-Value
Mn55($\alpha,\text{He3}$)Mn56	-13307.20 keV
Mn55($\alpha,p+d$)Mn56	-18800.68 keV
Mn55($\alpha,n+2p$)Mn56	-21025.24 keV

<< 21-Sc-45	25-Mn-55	26-Fe-58 >>
<< MT44 (α ,n+2p)	MT106 (α , ^3He) or MT5 (Mn56 production)	MT115 (α ,p+d) >>



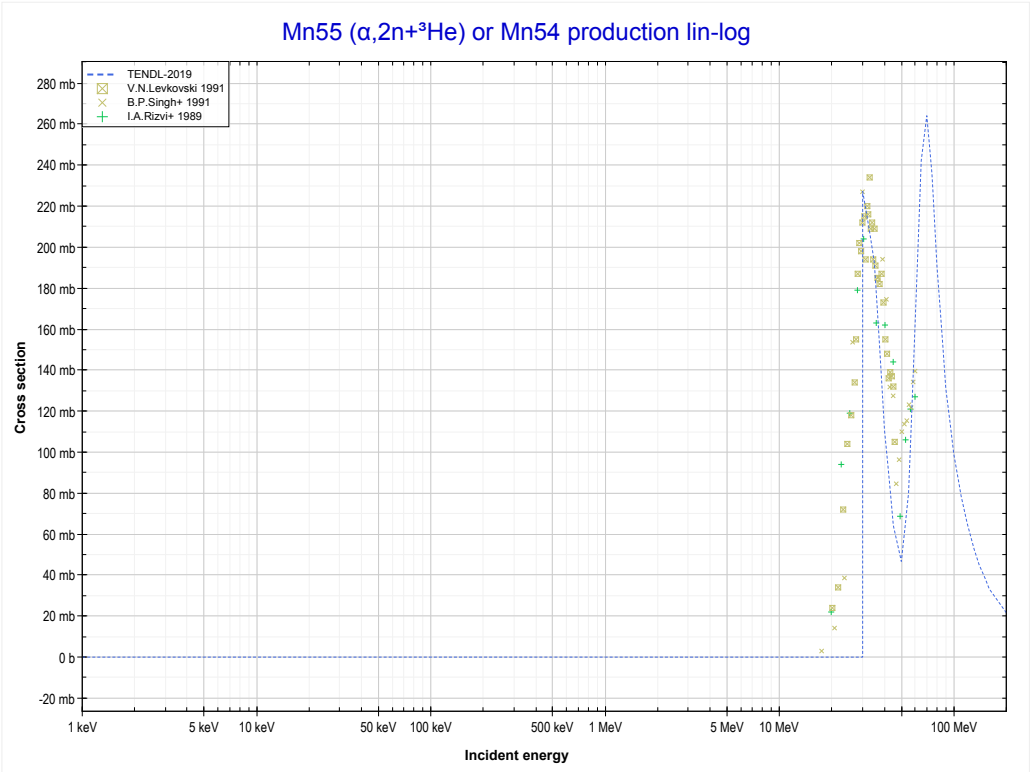
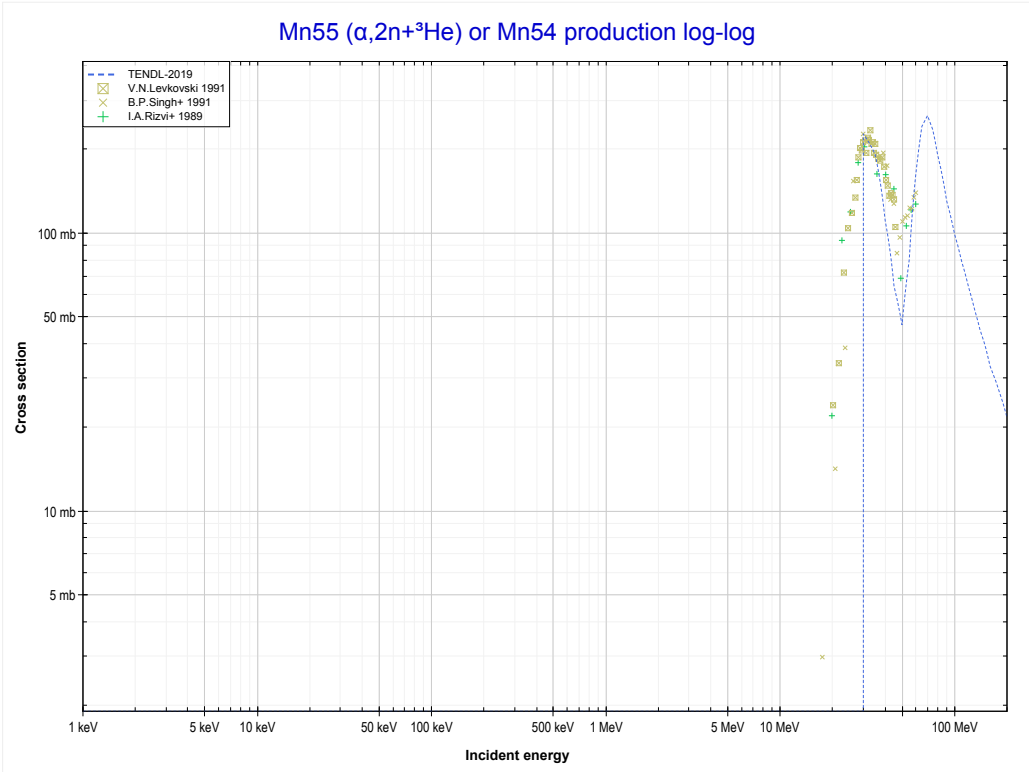
Reaction	Q-Value
Mn55(α ,He3)Mn56	-13307.20 keV
Mn55(α ,p+d)Mn56	-18800.68 keV
Mn55(α ,n+2p)Mn56	-21025.24 keV

<< 21-Sc-45	25-Mn-55	26-Fe-58 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Mn56 production)	MT176 (α ,2n+ ^3He) >>



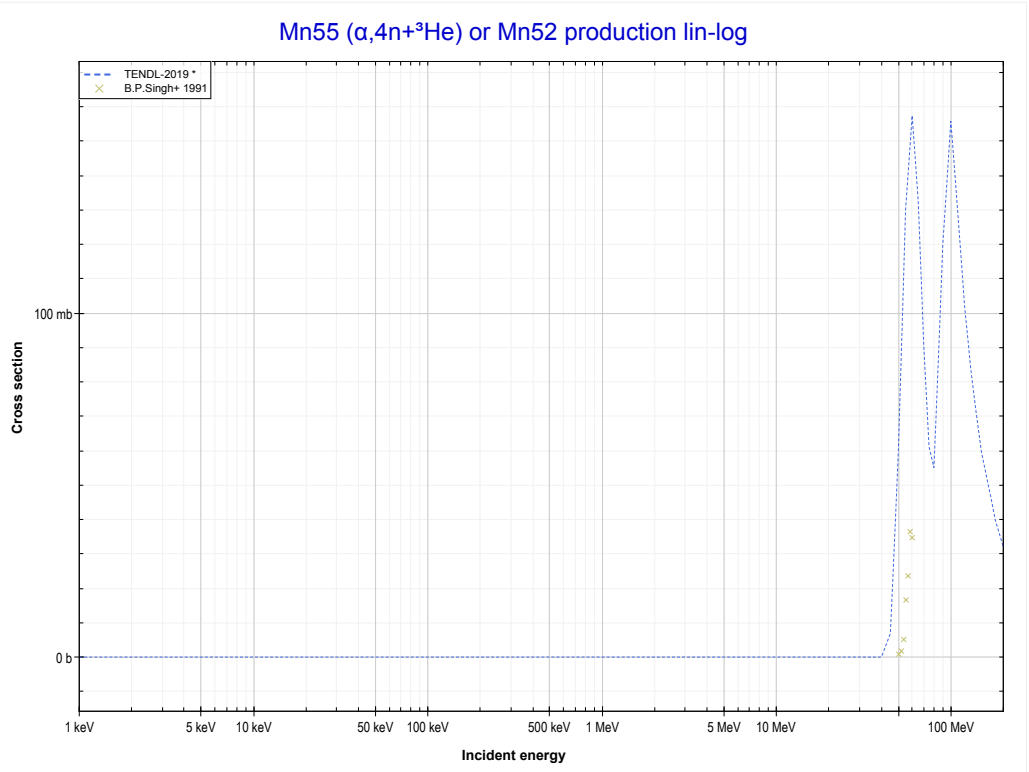
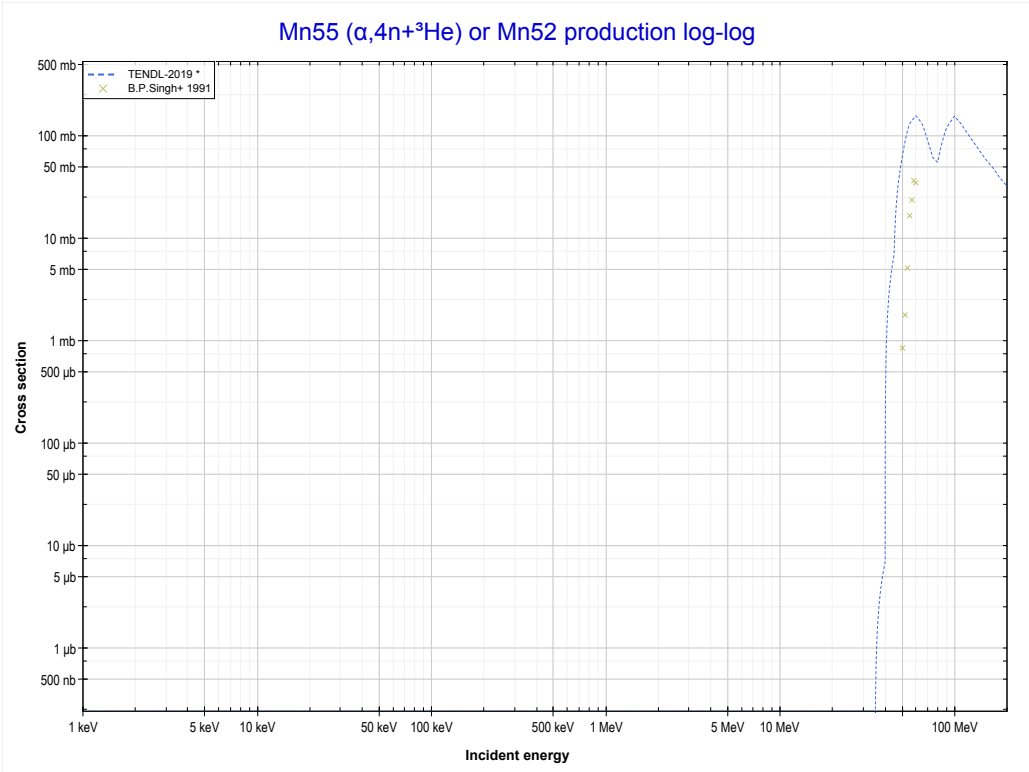
Reaction	Q-Value
Mn55(α ,He3)Mn56	-13307.20 keV
Mn55(α ,p+d)Mn56	-18800.68 keV
Mn55(α ,n+2p)Mn56	-21025.24 keV

<< 24-Cr-52	25-Mn-55	26-Fe-54 >>
<< MT115 (α ,p+d)	MT176 (α ,2n+ ^3He) or MT5 (Mn54 production)	MT178 (α ,4n+ ^3He) >>



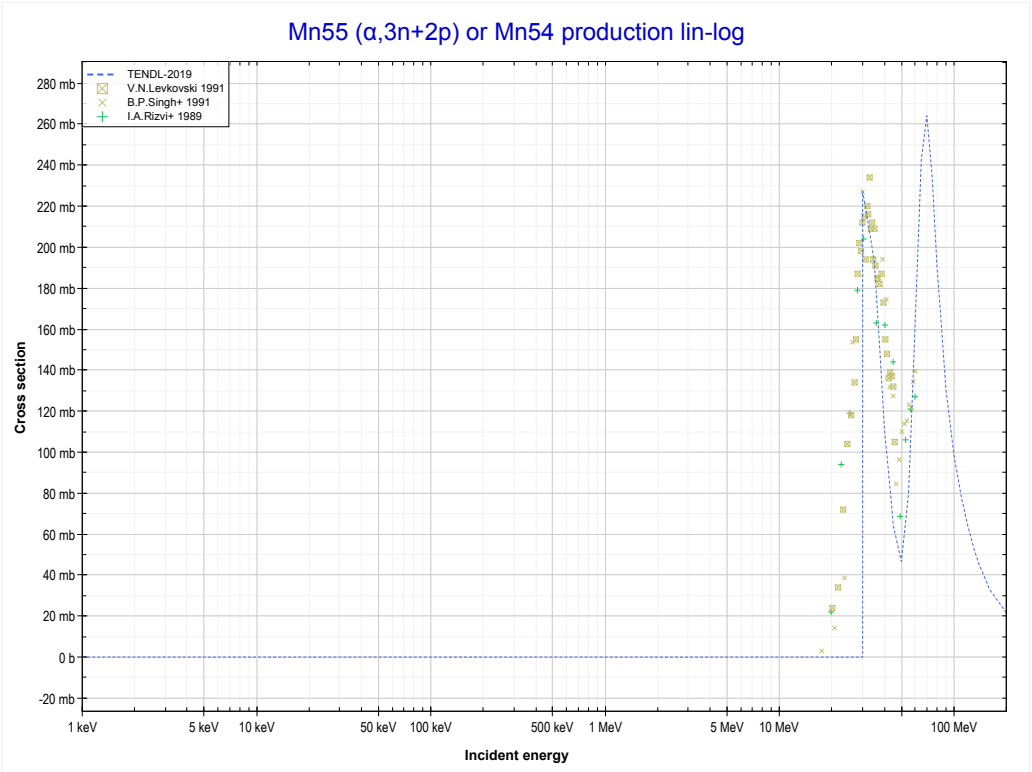
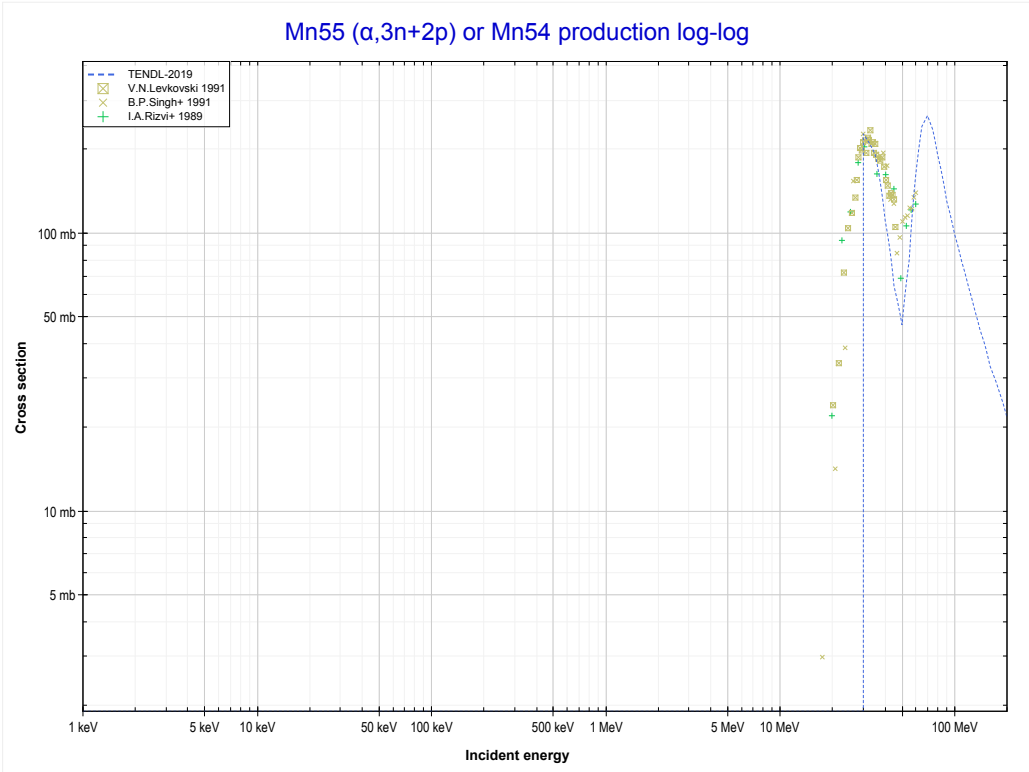
Reaction	Q-Value
Mn55(α ,n+ α)Mn54	-10226.12 keV
Mn55(α ,d+t)Mn54	-27815.42 keV
Mn55(α ,n+p+t)Mn54	-30039.98 keV
Mn55(α ,2n+He3)Mn54	-30803.74 keV
Mn55(α ,n+2d)Mn54	-34072.64 keV
Mn55(α ,2n+p+d)Mn54	-36297.21 keV
Mn55(α ,3n+2p)Mn54	-38521.78 keV

<< 23-V-51	25-Mn-55	27-Co-59 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT178 ($\alpha,4n+^3\text{He}$) or MT5 (Mn52 production)	MT179 ($\alpha,3n+2p$) >>



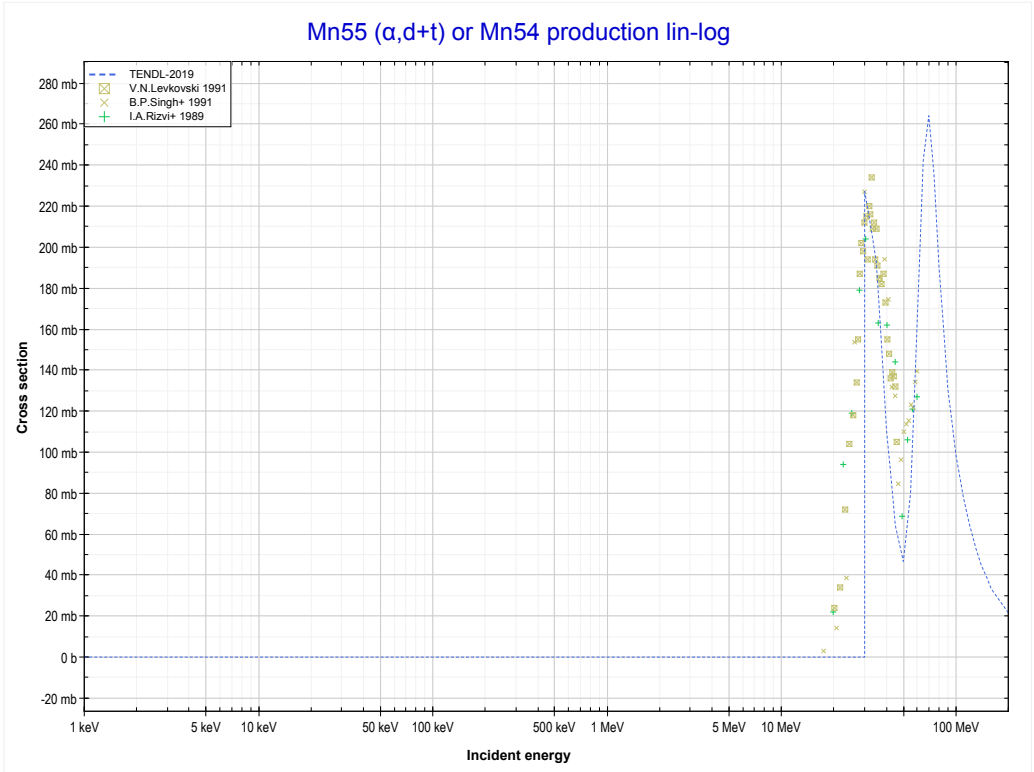
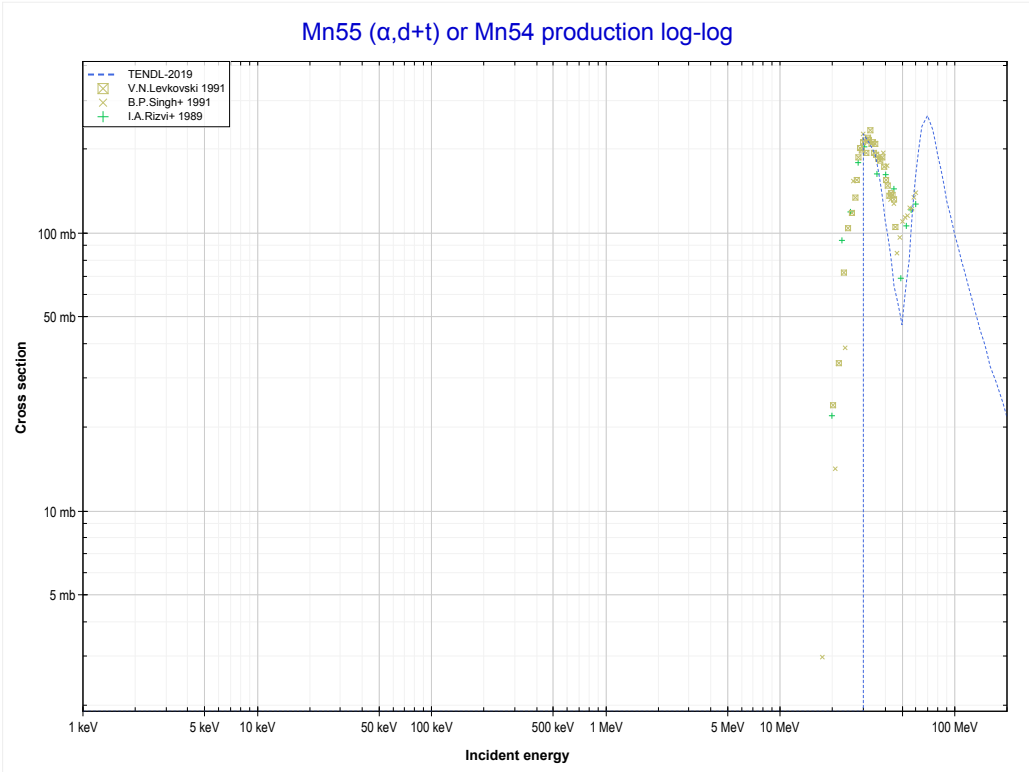
Reaction	Q-Value
Mn55($\alpha,3n+\alpha$)Mn52	-31219.05 keV
Mn55($\alpha,n+2t$)Mn52	-42551.12 keV
Mn55($\alpha,2n+d+t$)Mn52	-48808.35 keV
Mn55($\alpha,3n+p+t$)Mn52	-51032.92 keV
Mn55($\alpha,4n+\text{He3}$)Mn52	-51796.67 keV
Mn55($\alpha,3n+2d$)Mn52	-55065.58 keV
Mn55($\alpha,4n+p+d$)Mn52	-57290.15 keV
Mn55($\alpha,5n+2p$)Mn52	-59514.71 keV

<< 24-Cr-52	25-Mn-55	26-Fe-54 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Mn54 production)	MT182 ($\alpha,d+t$) >>



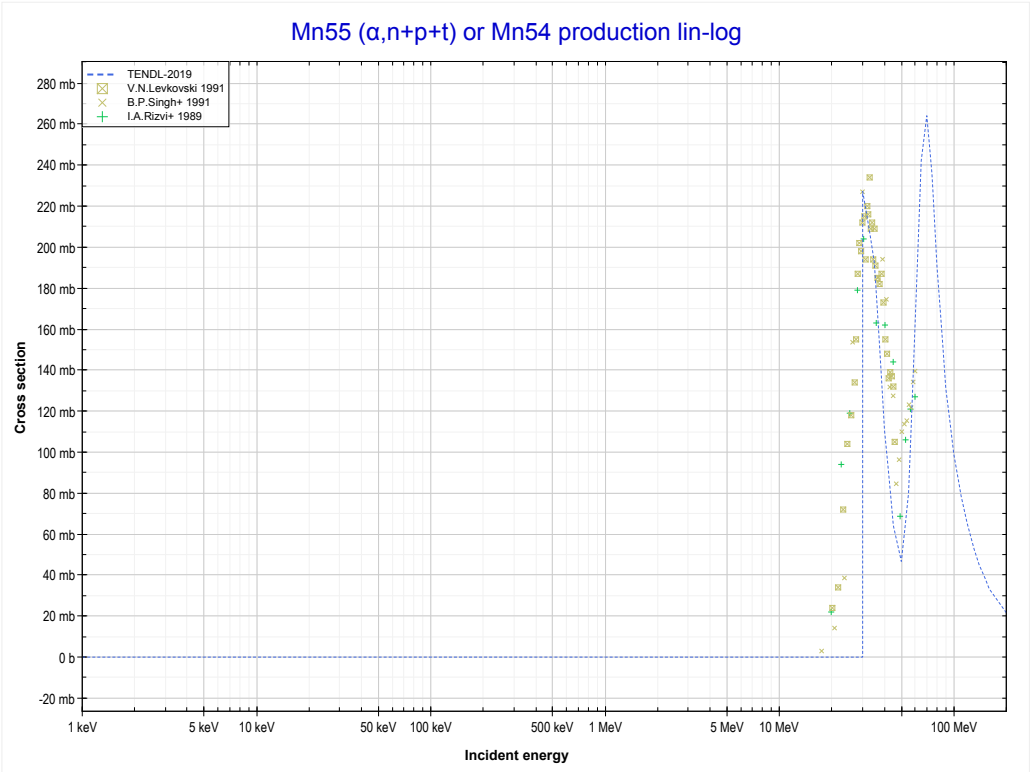
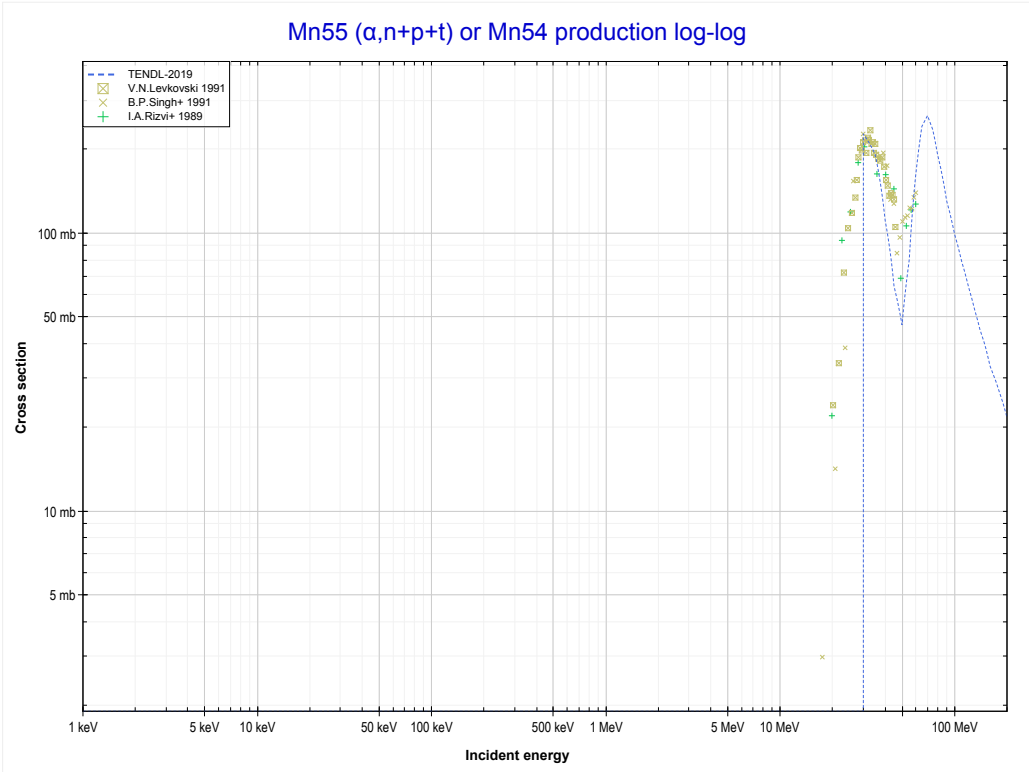
Reaction	Q-Value
Mn55($\alpha,n+\alpha$)Mn54	-10226.12 keV
Mn55($\alpha,d+t$)Mn54	-27815.42 keV
Mn55($\alpha,n+p+t$)Mn54	-30039.98 keV
Mn55($\alpha,2n+^3\text{He}$)Mn54	-30803.74 keV
Mn55($\alpha,n+2d$)Mn54	-34072.64 keV
Mn55($\alpha,2n+p+d$)Mn54	-36297.21 keV
Mn55($\alpha,3n+2p$)Mn54	-38521.78 keV

<< 24-Cr-52	25-Mn-55	26-Fe-54 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Mn54 production)	MT184 ($\alpha,n+p+t$) >>



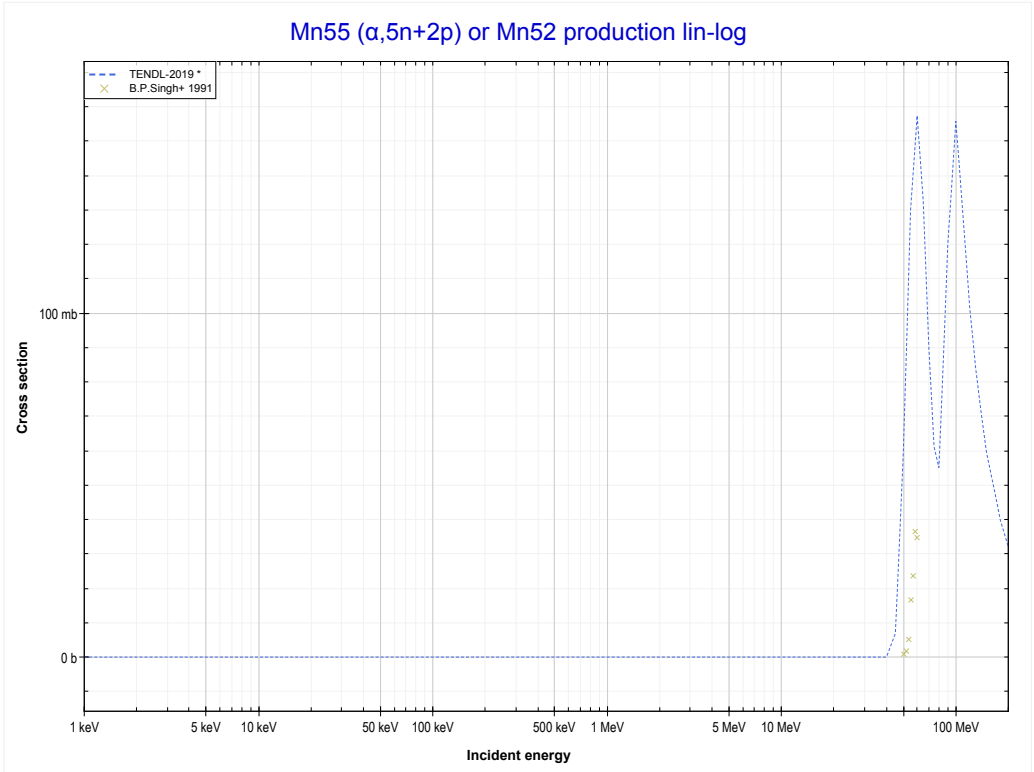
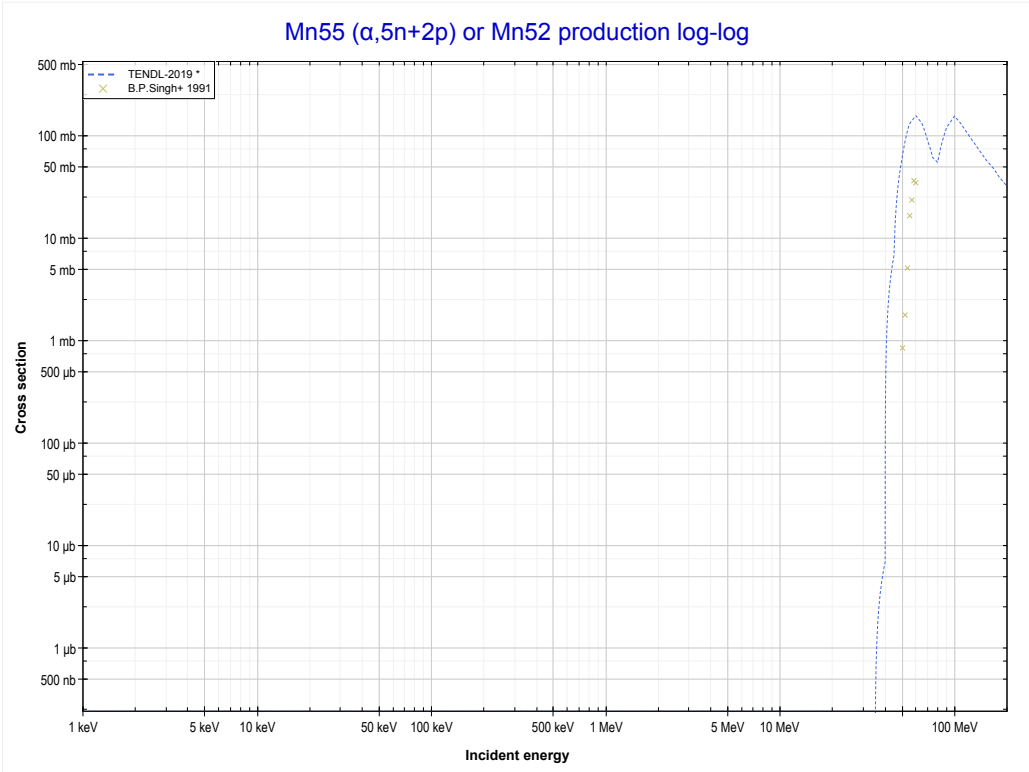
Reaction	Q-Value
Mn55($\alpha,n+\alpha$)Mn54	-10226.12 keV
Mn55($\alpha,d+t$)Mn54	-27815.42 keV
Mn55($\alpha,n+p+t$)Mn54	-30039.98 keV
Mn55($\alpha,2n+He3$)Mn54	-30803.74 keV
Mn55($\alpha,n+2d$)Mn54	-34072.64 keV
Mn55($\alpha,2n+p+d$)Mn54	-36297.21 keV
Mn55($\alpha,3n+2p$)Mn54	-38521.78 keV

<< 24-Cr-52	25-Mn-55	26-Fe-54 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Mn54 production)	MT200 (α,5n+2p) >>



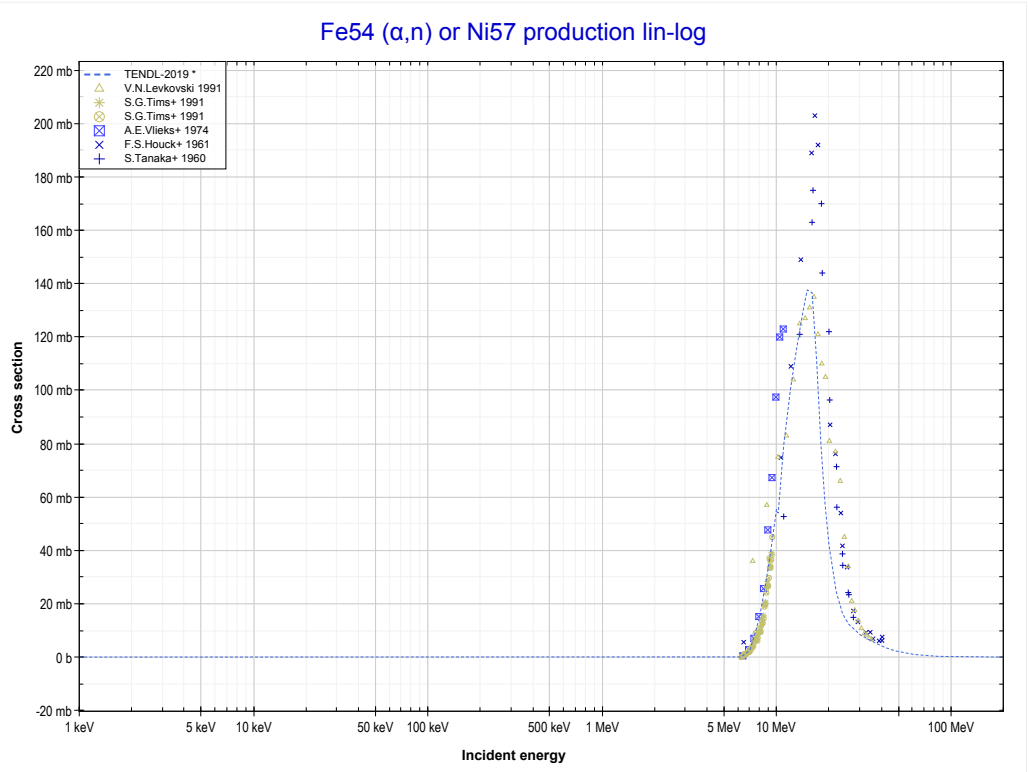
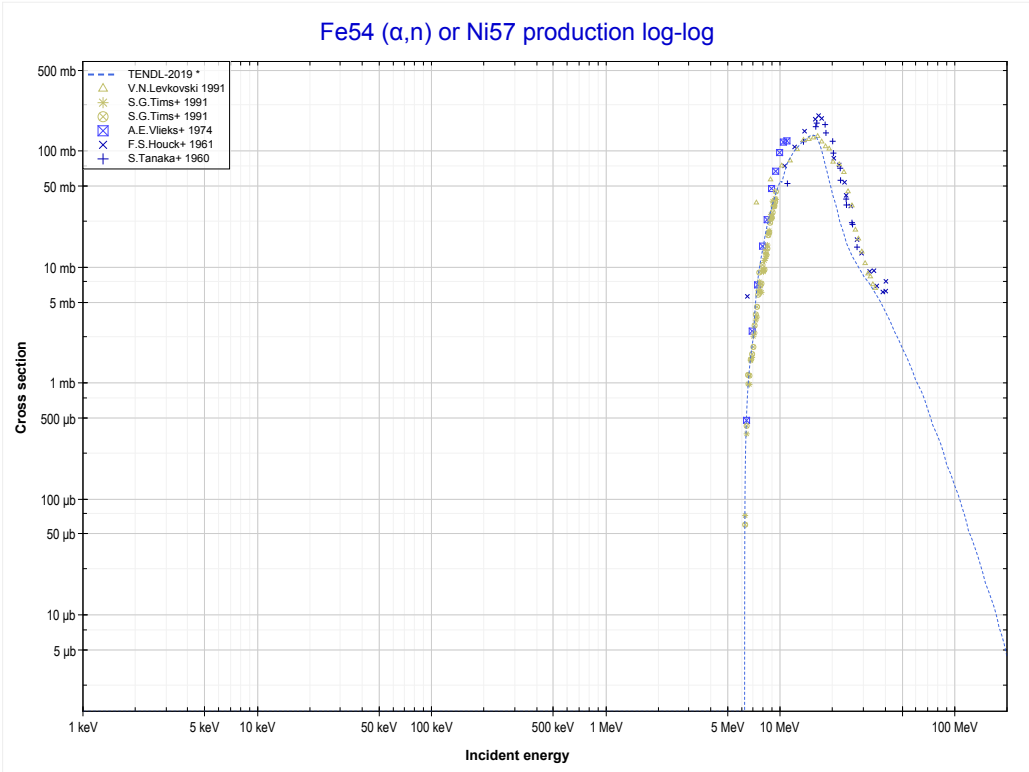
Reaction	Q-Value
Mn55(α,n+α)Mn54	-10226.12 keV
Mn55(α,d+t)Mn54	-27815.42 keV
Mn55(α,n+p+t)Mn54	-30039.98 keV
Mn55(α,2n+He3)Mn54	-30803.74 keV
Mn55(α,n+2d)Mn54	-34072.64 keV
Mn55(α,2n+p+d)Mn54	-36297.21 keV
Mn55(α,3n+2p)Mn54	-38521.78 keV

<< 23-V-51	25-Mn-55	27-Co-59 >>
<< MT184 (α,n+p+t)	MT200 (α,5n+2p) or MT5 (Mn52 production)	26-Fe-54 MT4 (α,n) >>



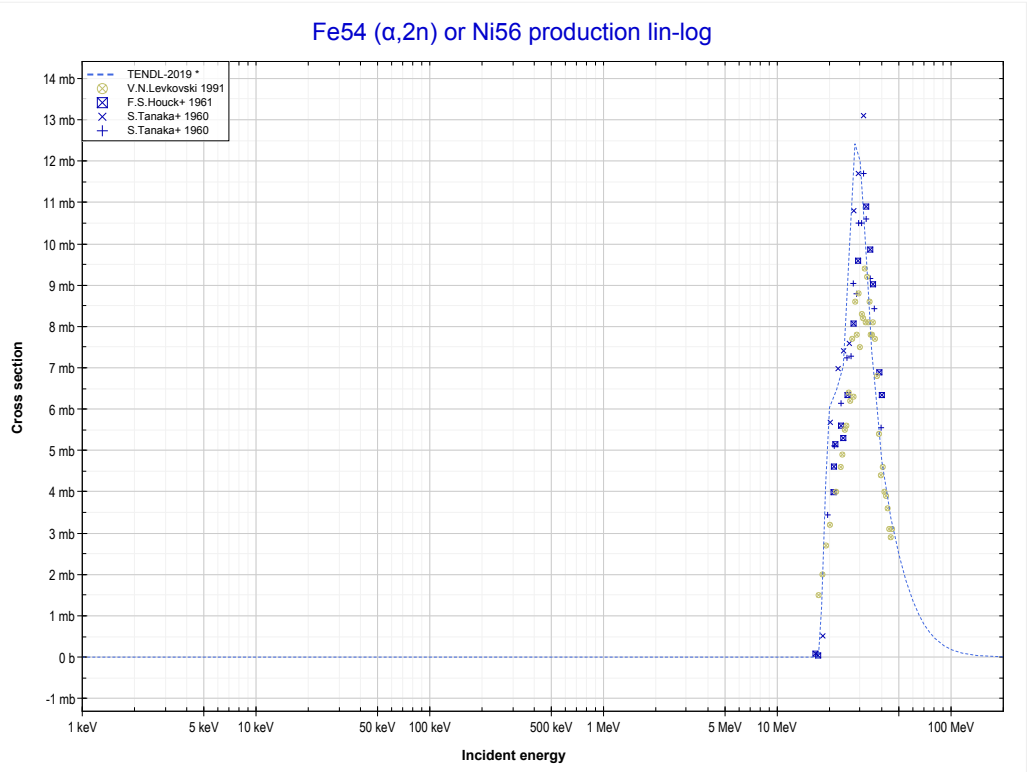
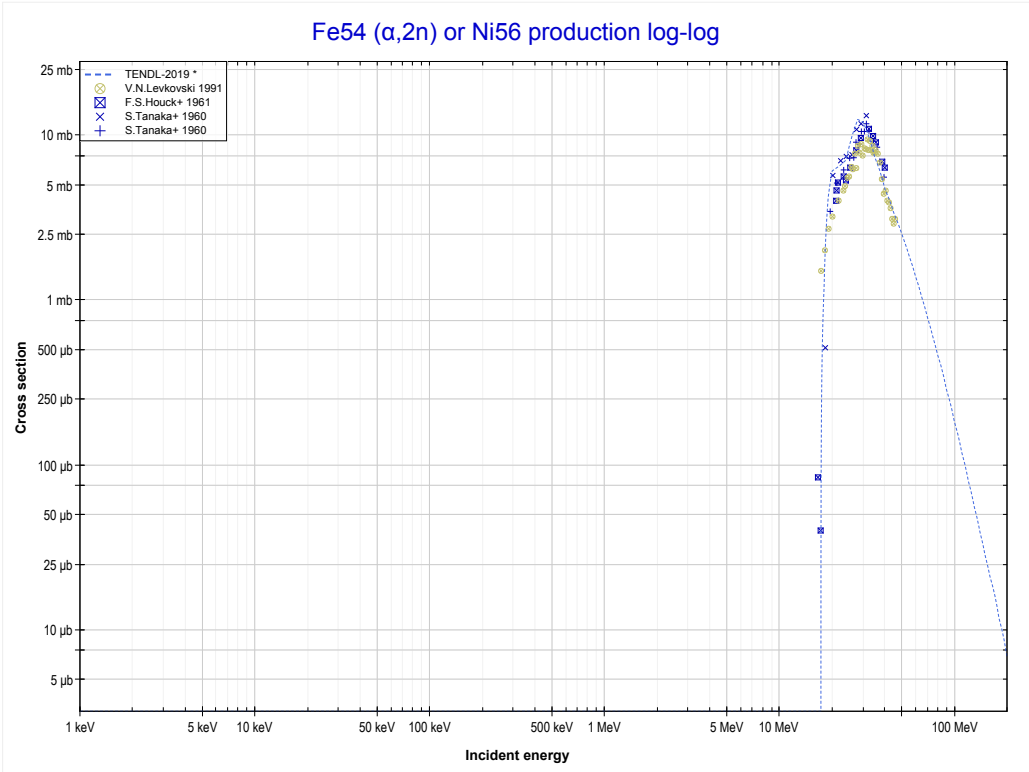
Reaction	Q-Value
Mn55(α,3n+α)Mn52	-31219.05 keV
Mn55(α,n+2t)Mn52	-42551.12 keV
Mn55(α,2n+d+t)Mn52	-48808.35 keV
Mn55(α,3n+p+t)Mn52	-51032.92 keV
Mn55(α,4n+He3)Mn52	-51796.67 keV
Mn55(α,3n+2d)Mn52	-55065.58 keV
Mn55(α,4n+p+d)Mn52	-57290.15 keV
Mn55(α,5n+2p)Mn52	-59514.71 keV

<< 25-Mn-55	26-Fe-54	27-Co-59 >>
<< 25-Mn-55 MT200 (α ,5n+2p)	MT4 (α ,n) or MT5 (Ni57 production)	MT16 (α ,2n) >>



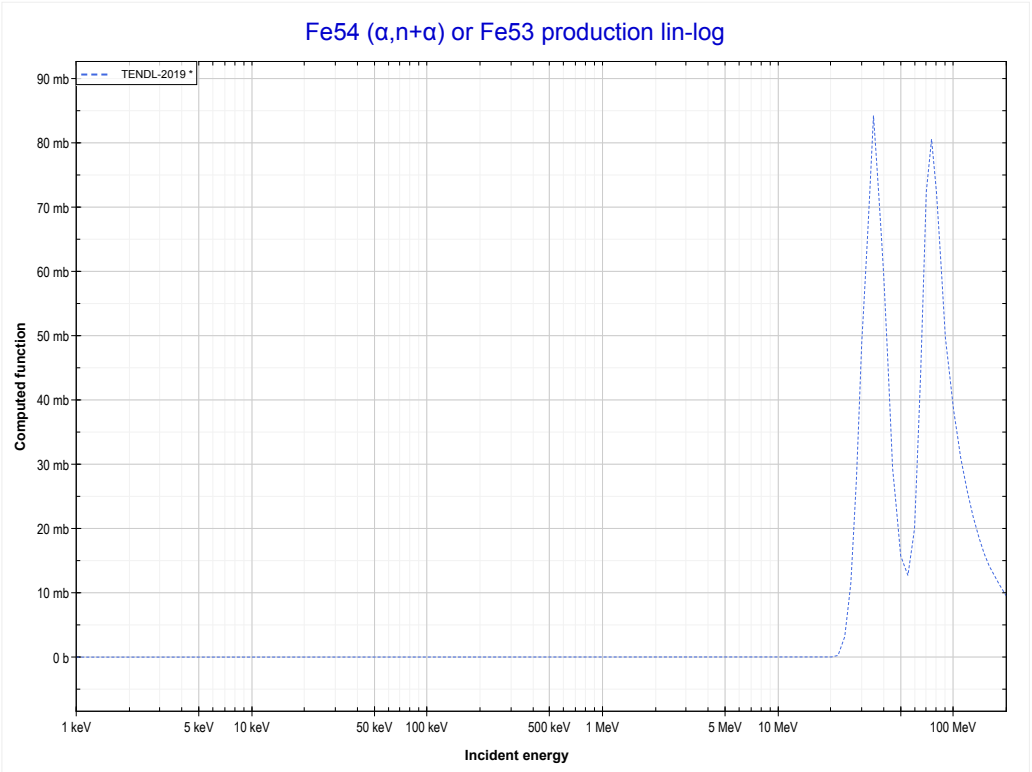
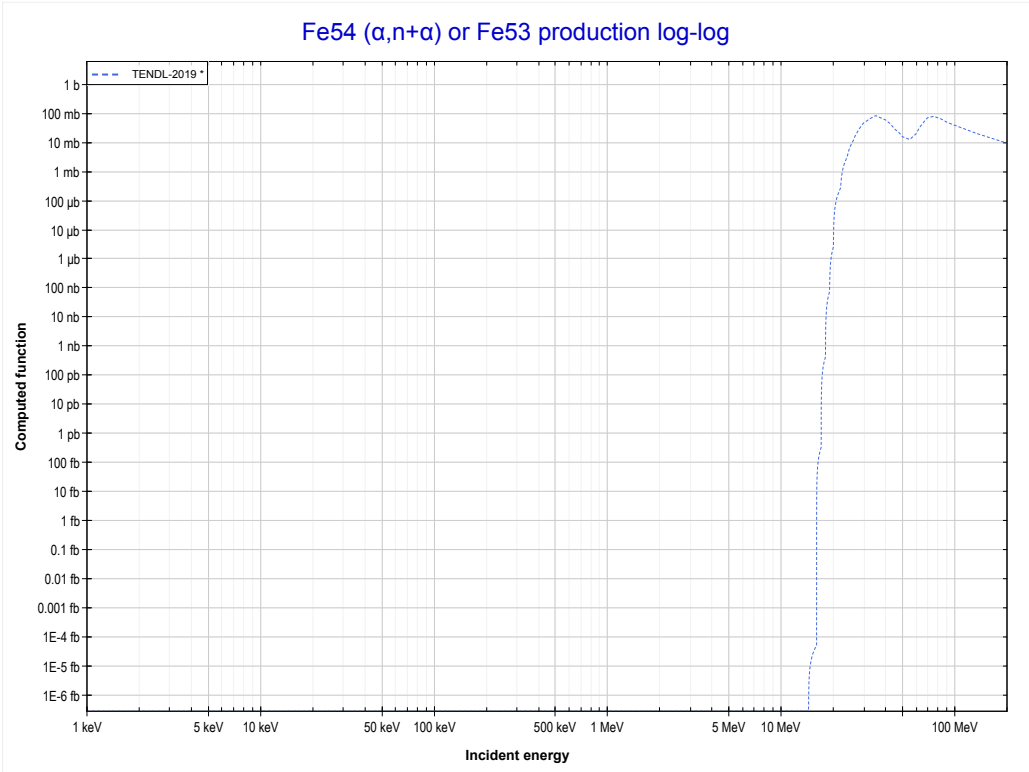
Reaction	Q-Value
Fe54(α ,n)Ni57	-5817.10 keV

<< 25-Mn-55	26-Fe-54	27-Co-59 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Ni56 production)	MT22 (α,n+α) >>



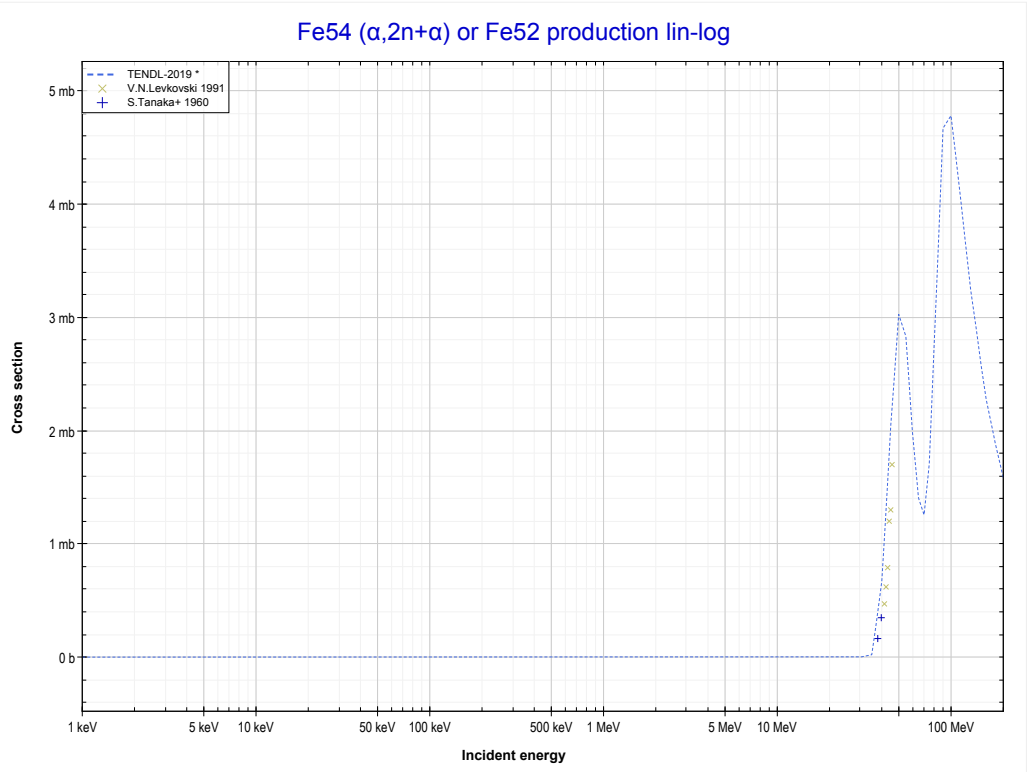
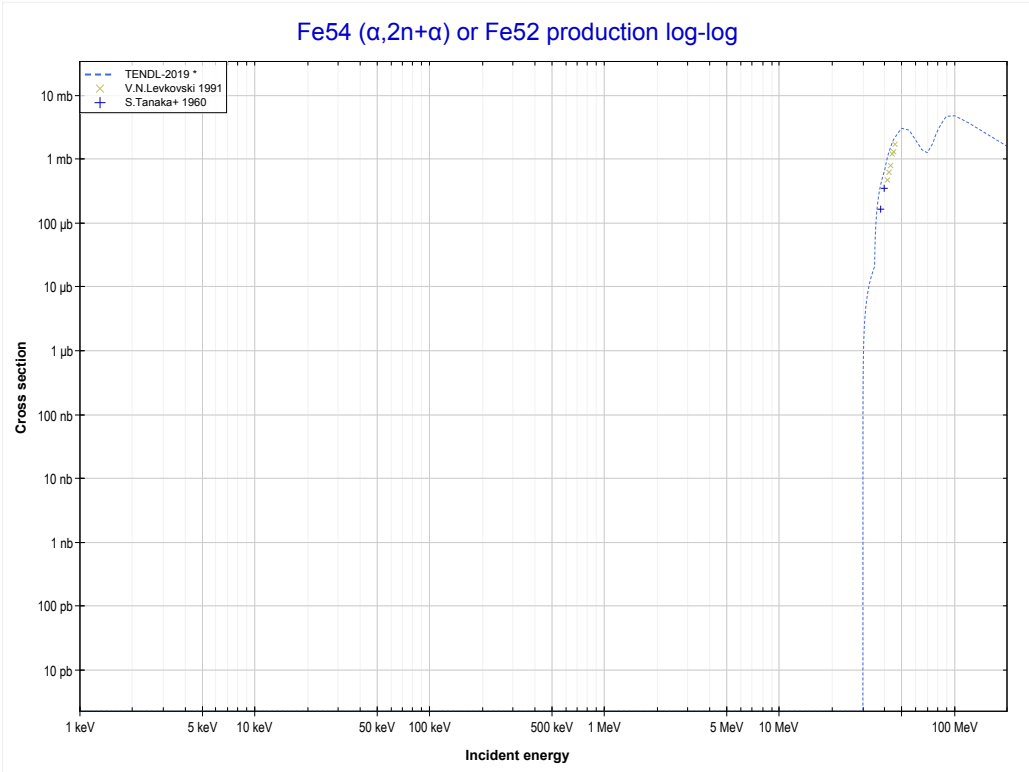
Reaction	Q-Value
Fe54(α,2n)Ni56	-16064.72 keV

<< 25-Mn-55	26-Fe-54	27-Co-59 >>
<< MT16 (α,2n)	MT22 (α,n+α) or MT5 (Fe53 production)	MT24 (α,2n+α) >>



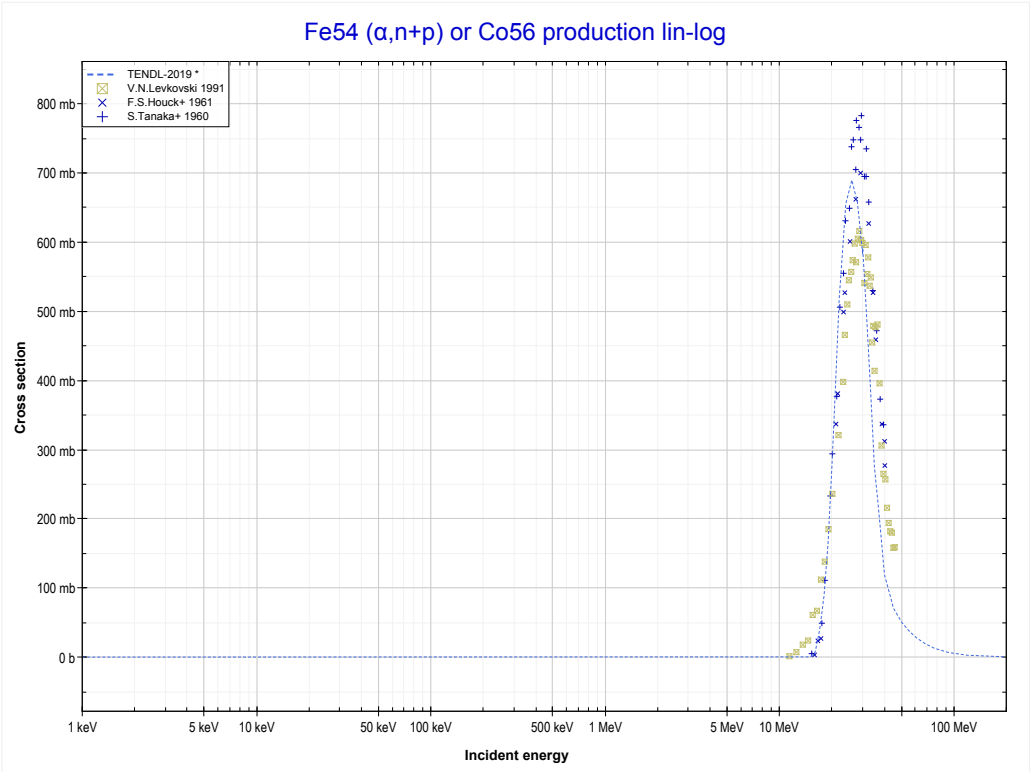
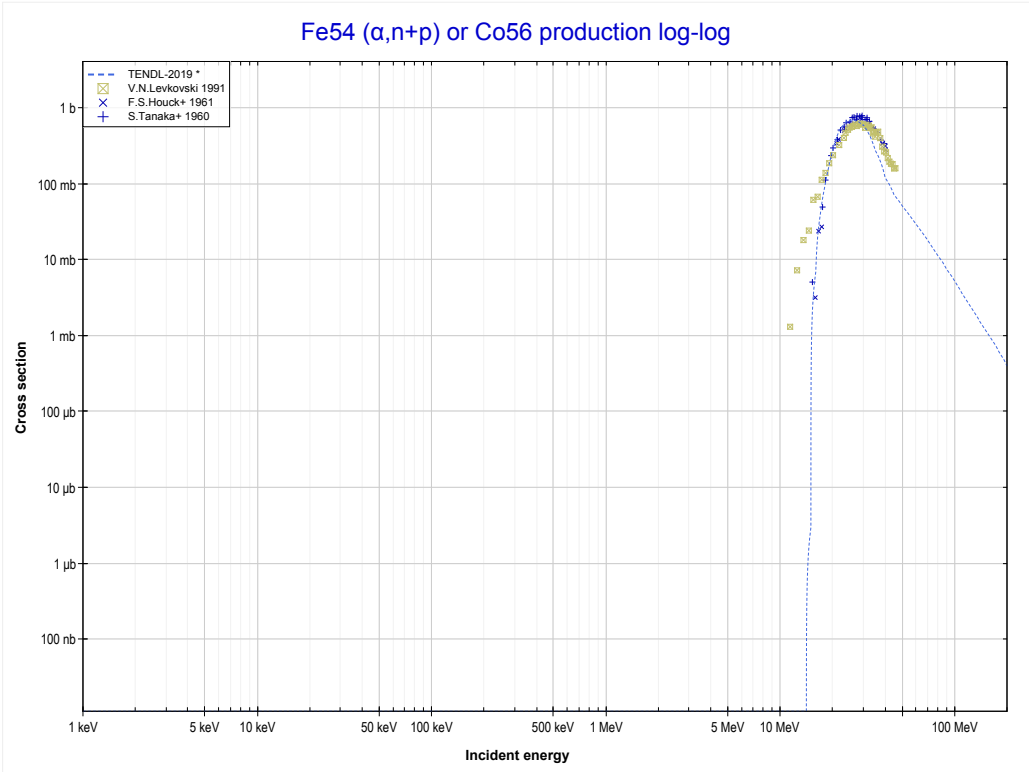
Reaction	Q-Value
Fe54(α,n+α)Fe53	-13378.32 keV
Fe54(α,d+t)Fe53	-30967.62 keV
Fe54(α,n+p+t)Fe53	-33192.18 keV
Fe54(α,2n+He3)Fe53	-33955.94 keV
Fe54(α,n+2d)Fe53	-37224.84 keV
Fe54(α,2n+p+d)Fe53	-39449.41 keV
Fe54(α,3n+2p)Fe53	-41673.98 keV

<< 24-Cr-53	26-Fe-54	27-Co-59 >>
<< MT22 (α,n+α)	MT24 (α,2n+α) or MT5 (Fe52 production)	MT28 (α,n+p) >>



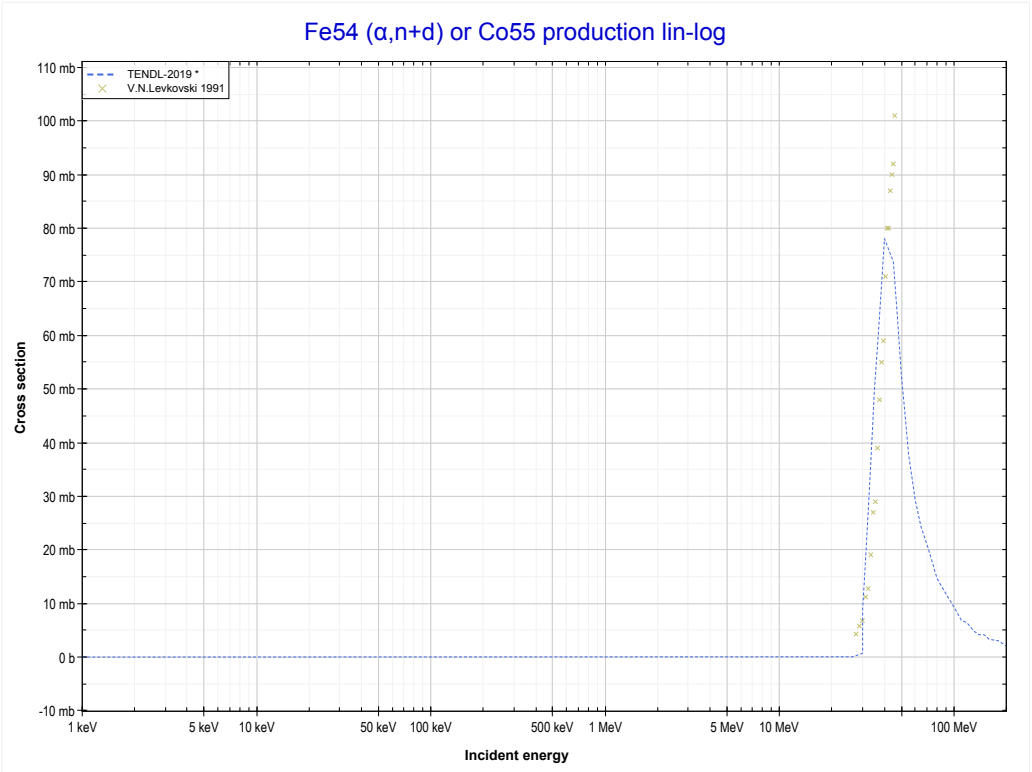
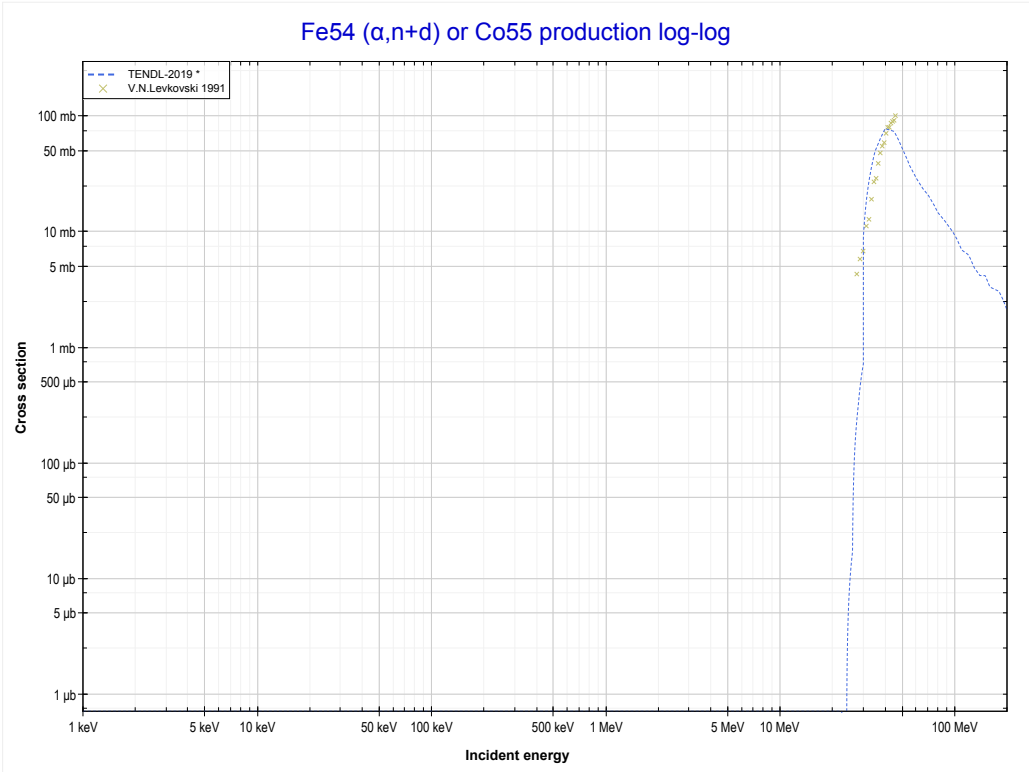
Reaction	Q-Value
Fe54(α,2n+α)Fe52	-24067.13 keV
Fe54(α,2t)Fe52	-35399.20 keV
Fe54(α,n+d+t)Fe52	-41656.43 keV
Fe54(α,2n+p+t)Fe52	-43881.00 keV
Fe54(α,3n+He3)Fe52	-44644.75 keV
Fe54(α,2n+2d)Fe52	-47913.66 keV
Fe54(α,3n+p+d)Fe52	-50138.23 keV
Fe54(α,4n+2p)Fe52	-52362.79 keV

<< 24-Cr-54	26-Fe-54	26-Fe-56 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Co56 production)	MT32 ($\alpha,n+d$) >>



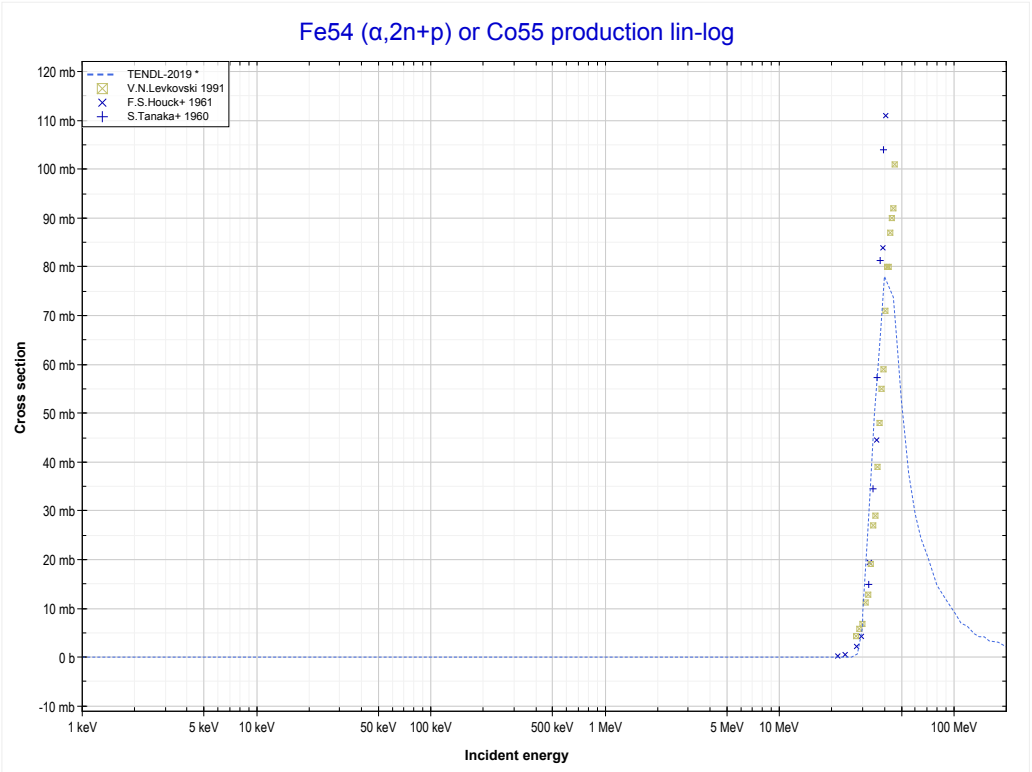
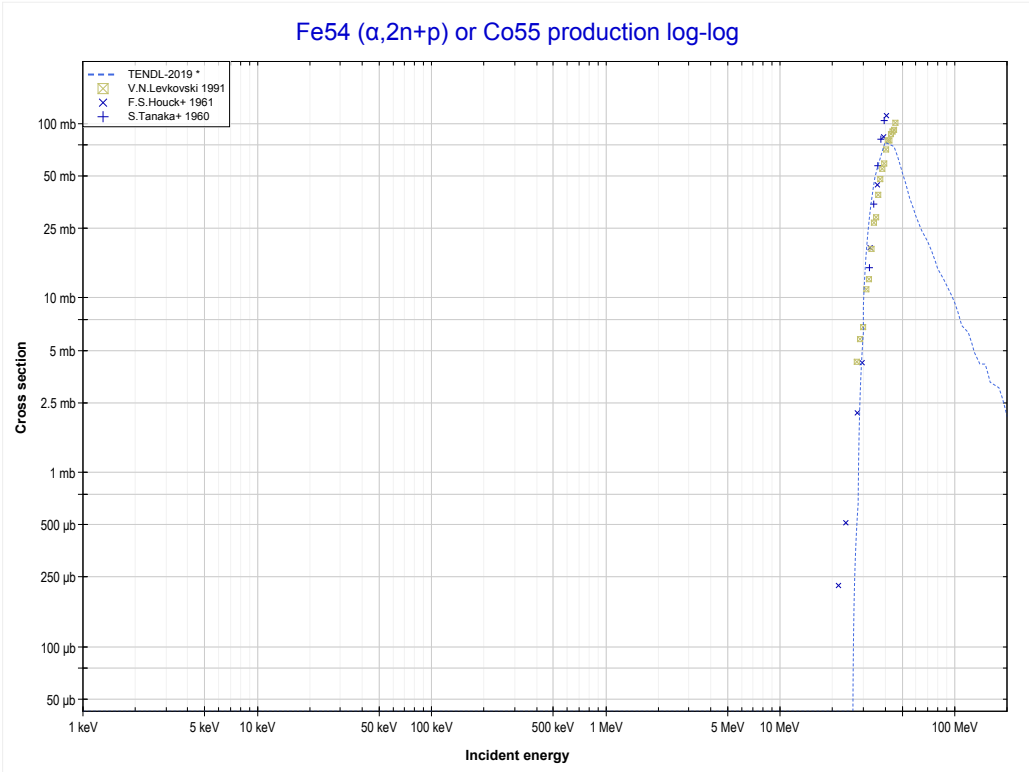
Reaction	Q-Value
Fe54(α,d)Co56	-10924.91 keV
Fe54($\alpha,n+p$)Co56	-13149.47 keV

<< 24-Cr-53	26-Fe-54	26-Fe-56 >>
<< MT28 (α ,n+p)	MT32 (α ,n+d) or MT5 (Co55 production)	MT41 (α ,2n+p) >>



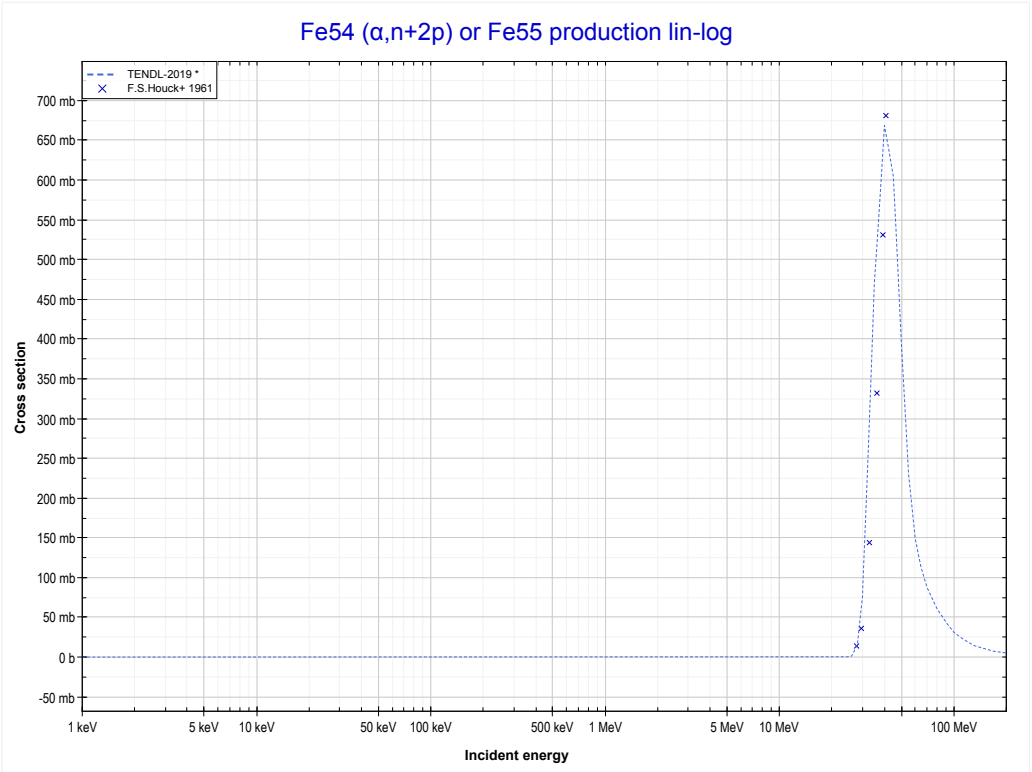
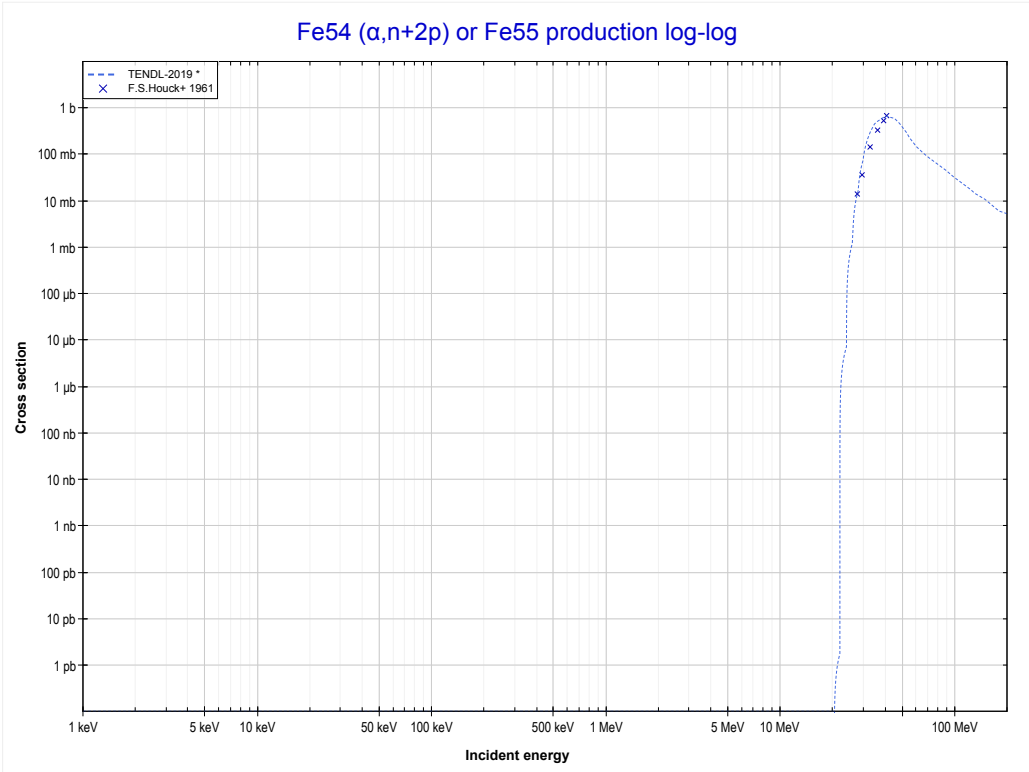
Reaction	Q-Value
Fe54(α ,t)Co55	-14749.49 keV
Fe54(α ,n+d)Co55	-21006.72 keV
Fe54(α ,2n+p)Co55	-23231.29 keV

<< 24-Cr-53	26-Fe-54	26-Fe-56 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Co55 production)	MT44 (α,n+2p) >>



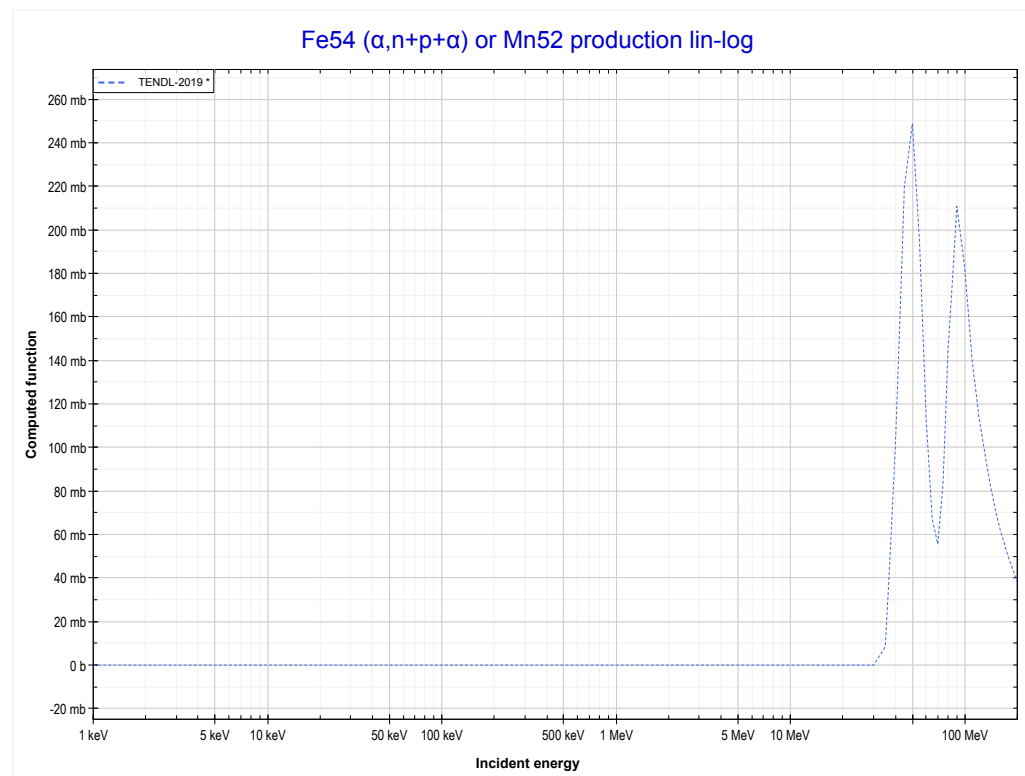
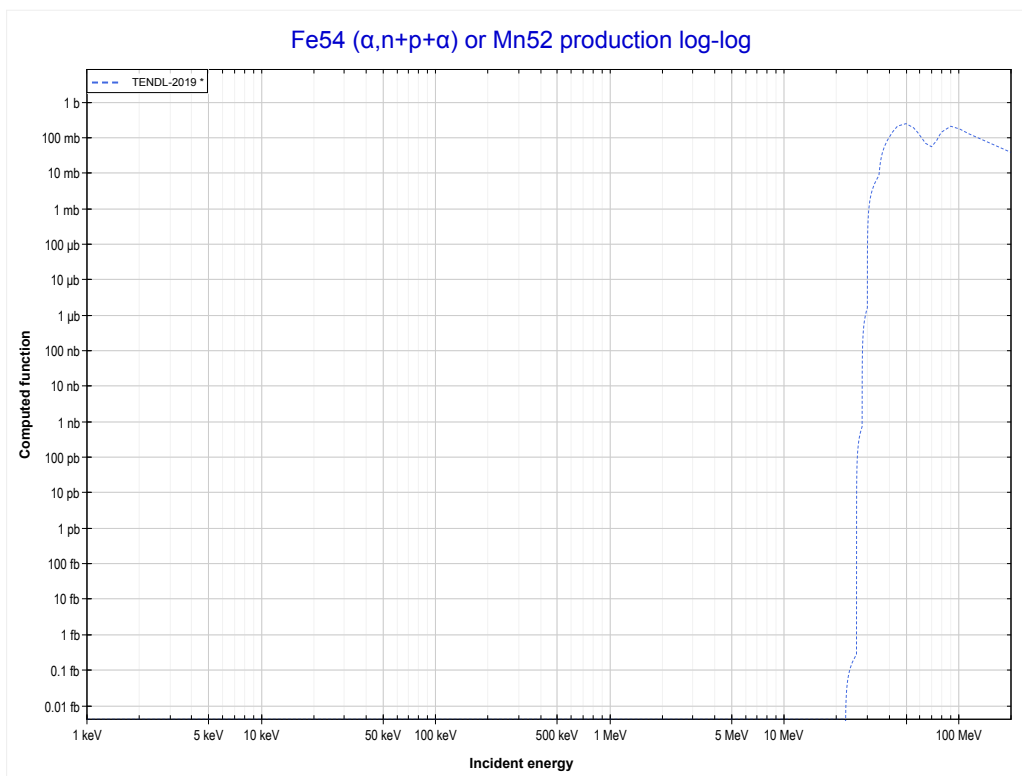
Reaction	Q-Value
Fe54(α,t)Co55	-14749.49 keV
Fe54(α,n+d)Co55	-21006.72 keV
Fe54(α,2n+p)Co55	-23231.29 keV

<< 25-Mn-55	26-Fe-54	26-Fe-58 >>
<< MT41 ($\alpha,2n+p$)	MT44 ($\alpha,n+2p$) or MT5 (Fe55 production)	MT45 ($\alpha,n+p+\alpha$) >>



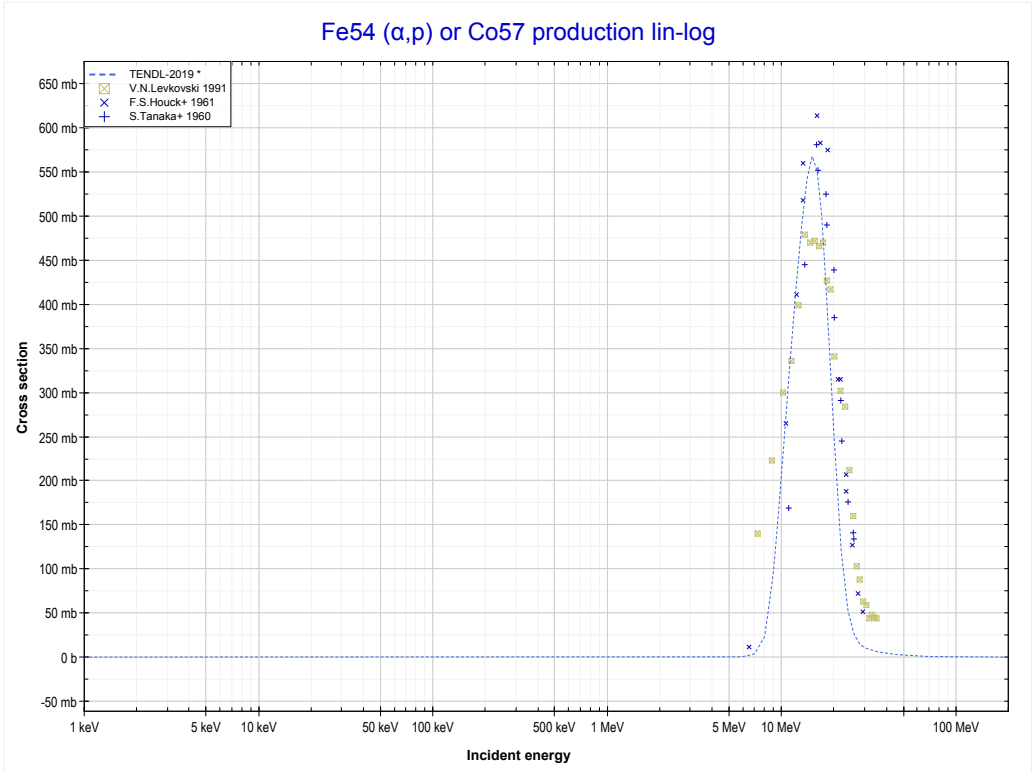
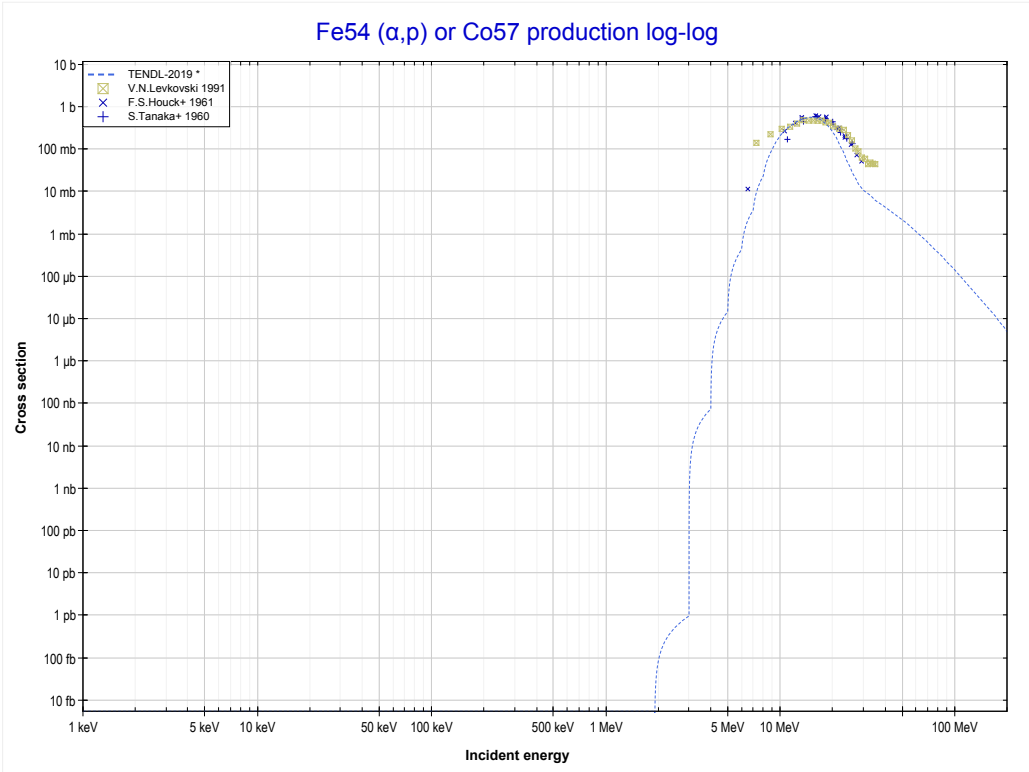
Reaction	Q-Value
Fe54(α ,He3)Fe55	-11279.50 keV
Fe54(α ,p+d)Fe55	-16772.98 keV
Fe54(α ,n+2p)Fe55	-18997.54 keV

<< 24-Cr-50	26-Fe-54	26-Fe-56 >>
<< MT44 ($\alpha, n+2p$)	MT45 ($\alpha, n+p+\alpha$) or MT5 (Mn52 production)	MT103 (α, p) >>



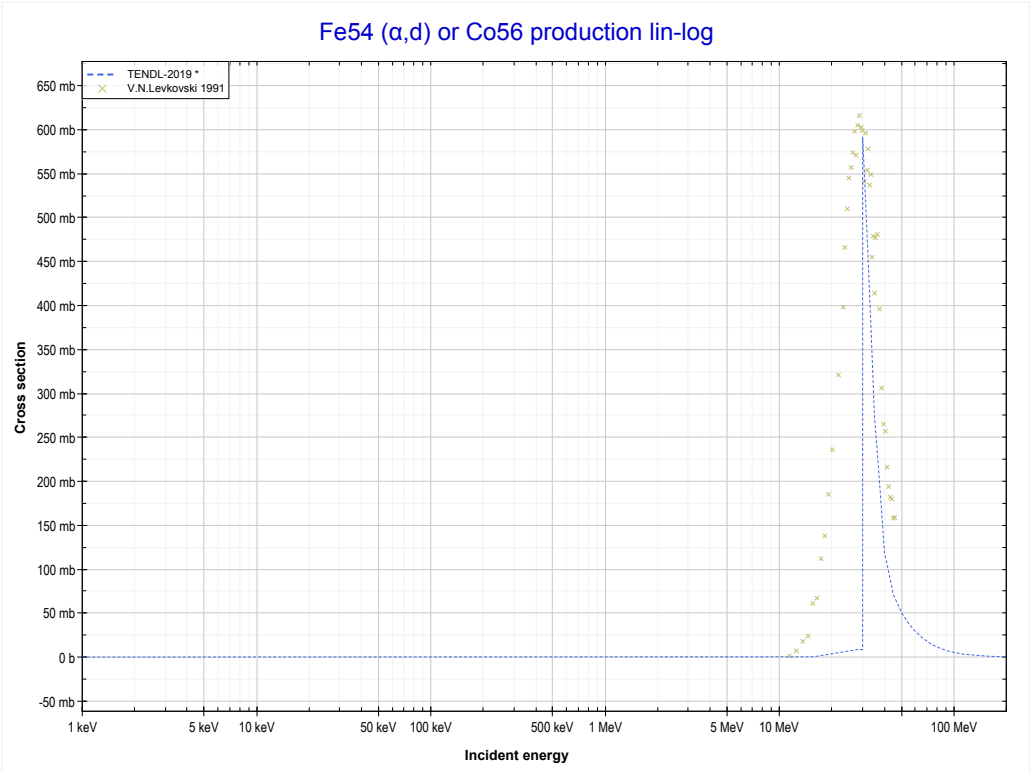
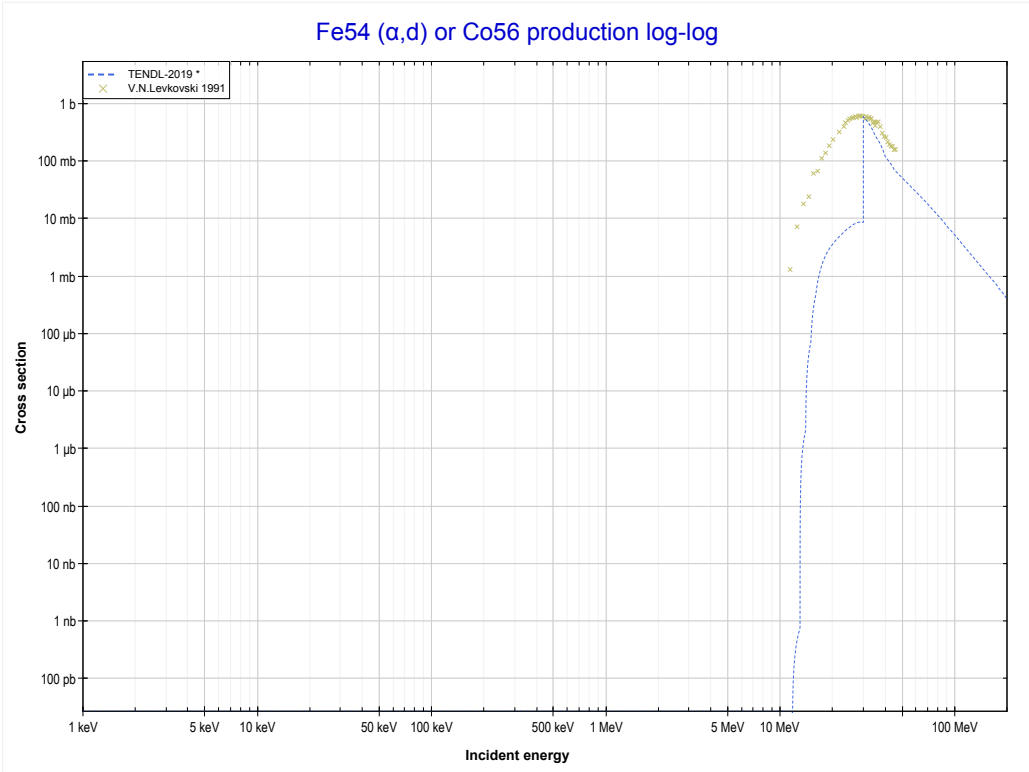
Reaction	Q-Value	Reaction	Q-Value
Fe54($\alpha, d+\alpha$)Mn52	-18682.92 keV	Fe54($\alpha, n+p+2d$)Mn52	-44754.02 keV
Fe54($\alpha, n+p+\alpha$)Mn52	-20907.49 keV	Fe54($\alpha, 2n+2p+d$)Mn52	-46978.58 keV
Fe54($\alpha, t+\text{He3}$)Mn52	-33003.31 keV	Fe54($\alpha, 3n+3p$)Mn52	-49203.15 keV
Fe54($\alpha, p+d+t$)Mn52	-38496.79 keV		
Fe54($\alpha, n+d+\text{He3}$)Mn52	-39260.54 keV		
Fe54($\alpha, n+2p+t$)Mn52	-40721.35 keV		
Fe54($\alpha, 2n+p+\text{He3}$)Mn52	-41485.11 keV		
Fe54($\alpha, 3d$)Mn52	-42529.45 keV		

<< 24-Cr-53	26-Fe-54	26-Fe-57 >>
<< MT45 (α,n+p+α)	MT103 (α,p) or MT5 (Co57 production)	MT104 (α,d) >>



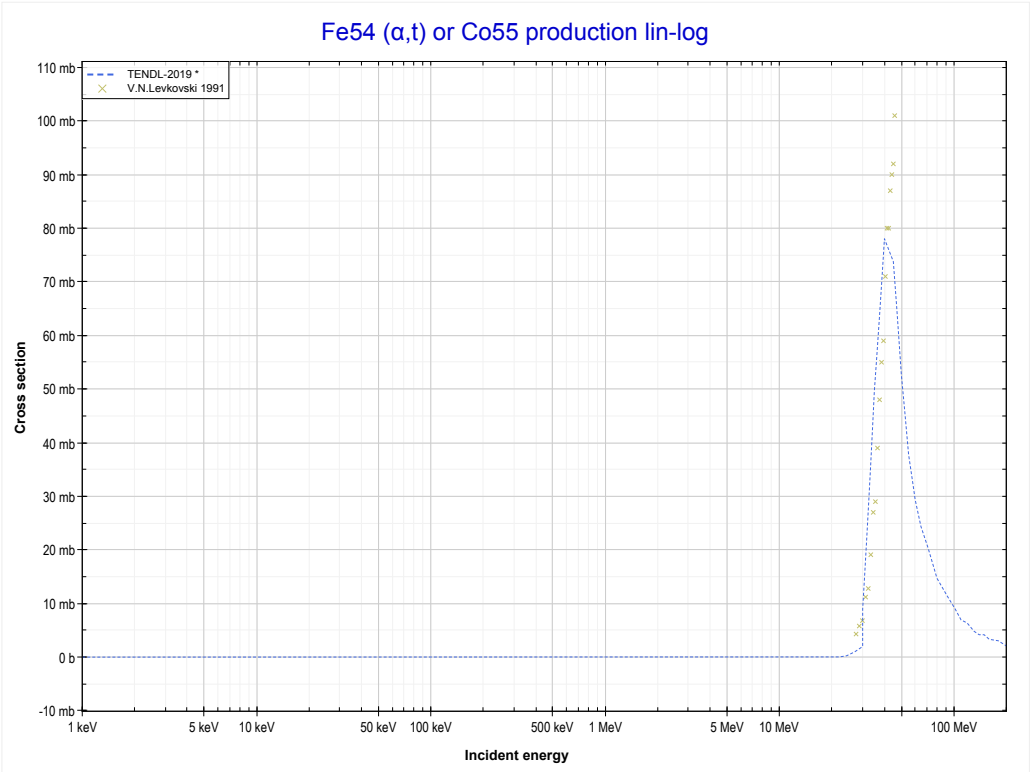
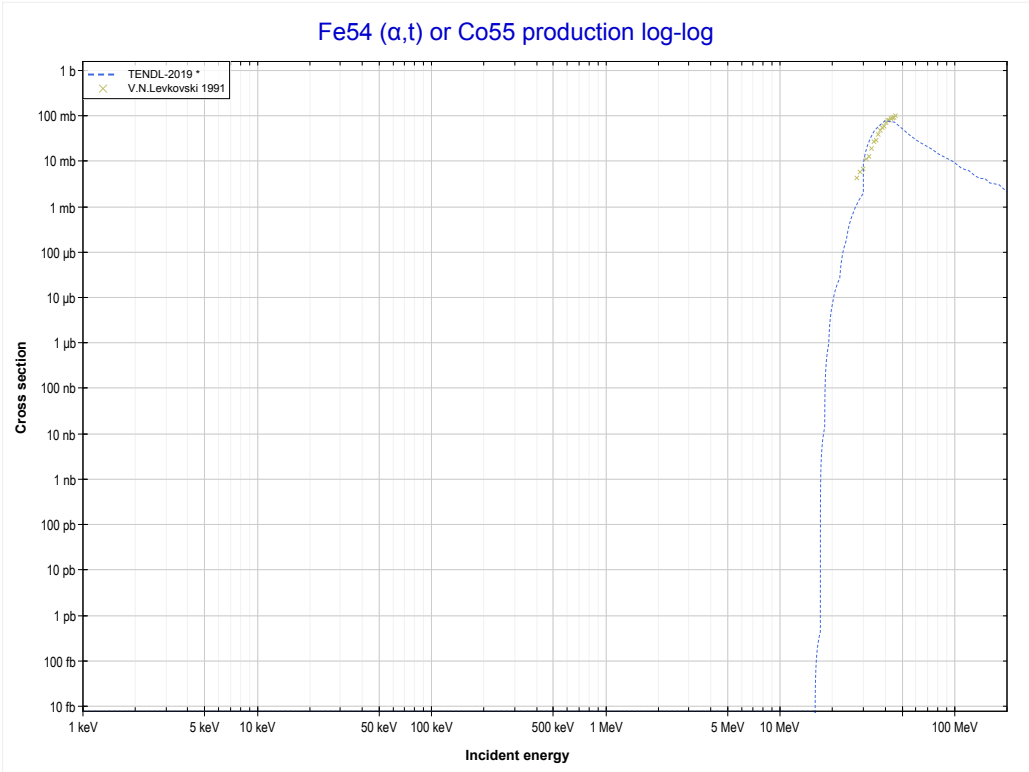
Reaction	Q-Value
Fe54(α,p)Co57	-1772.96 keV

<< 24-Cr-54	26-Fe-54	26-Fe-56 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Co56 production)	MT105 (α,t) >>



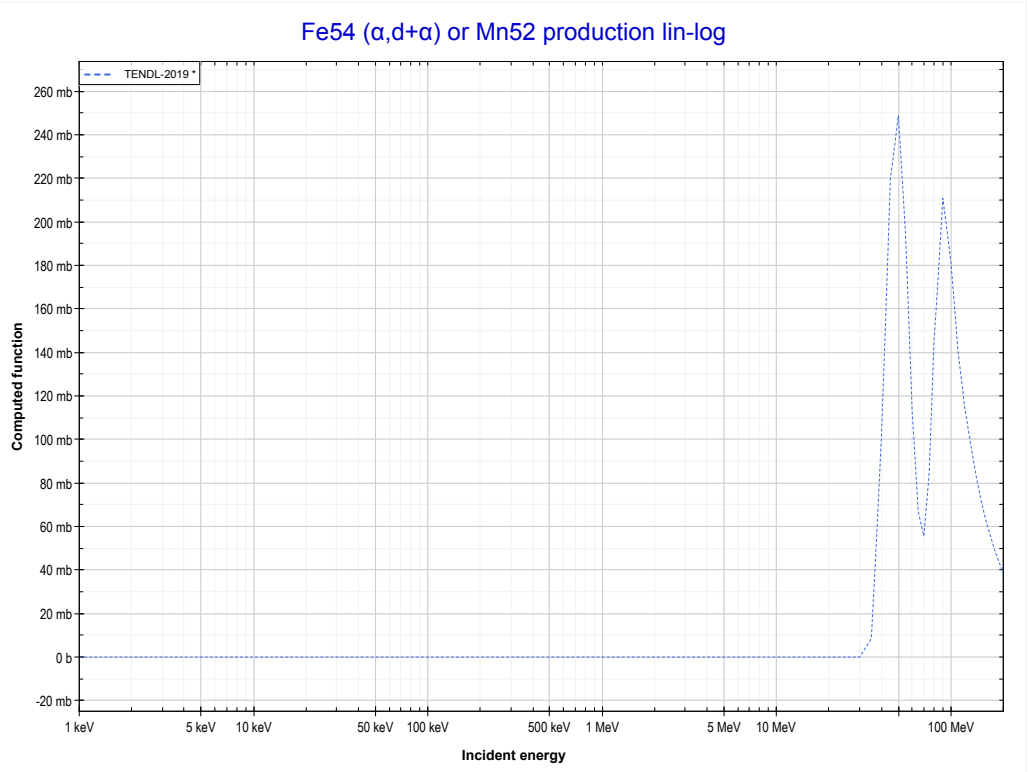
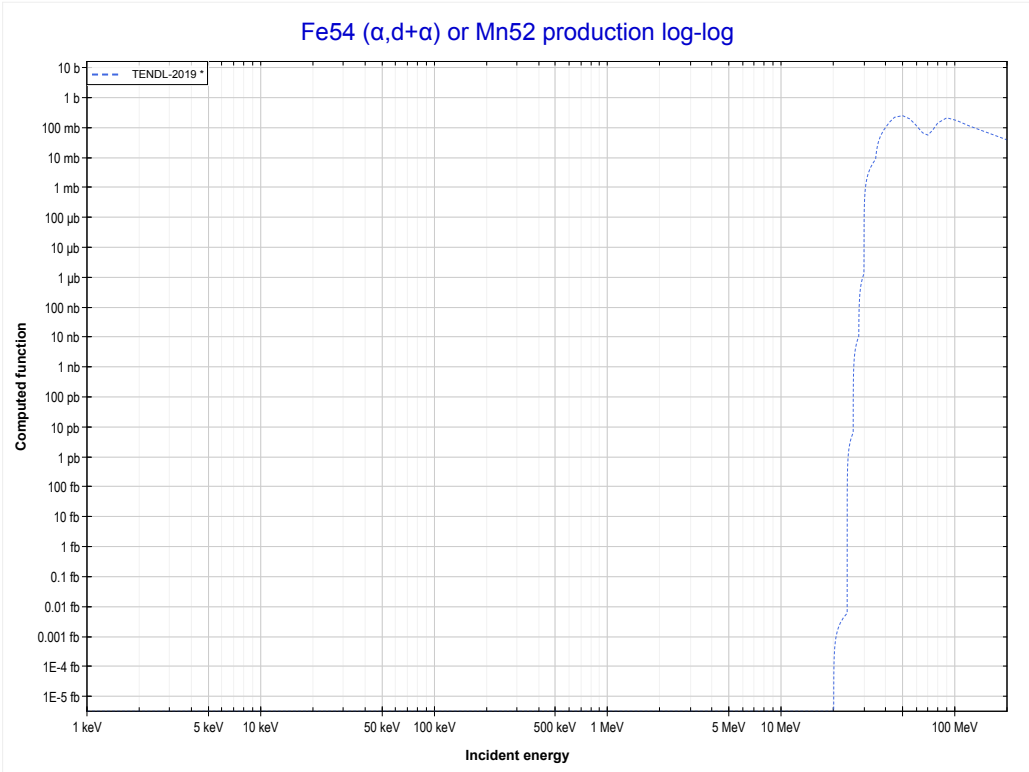
Reaction	Q-Value
Fe54(α,d)Co56	-10924.91 keV
Fe54(α,n+p)Co56	-13149.47 keV

<< 24-Cr-53	26-Fe-54	26-Fe-56 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Co55 production)	MT117 (α,d+α) >>



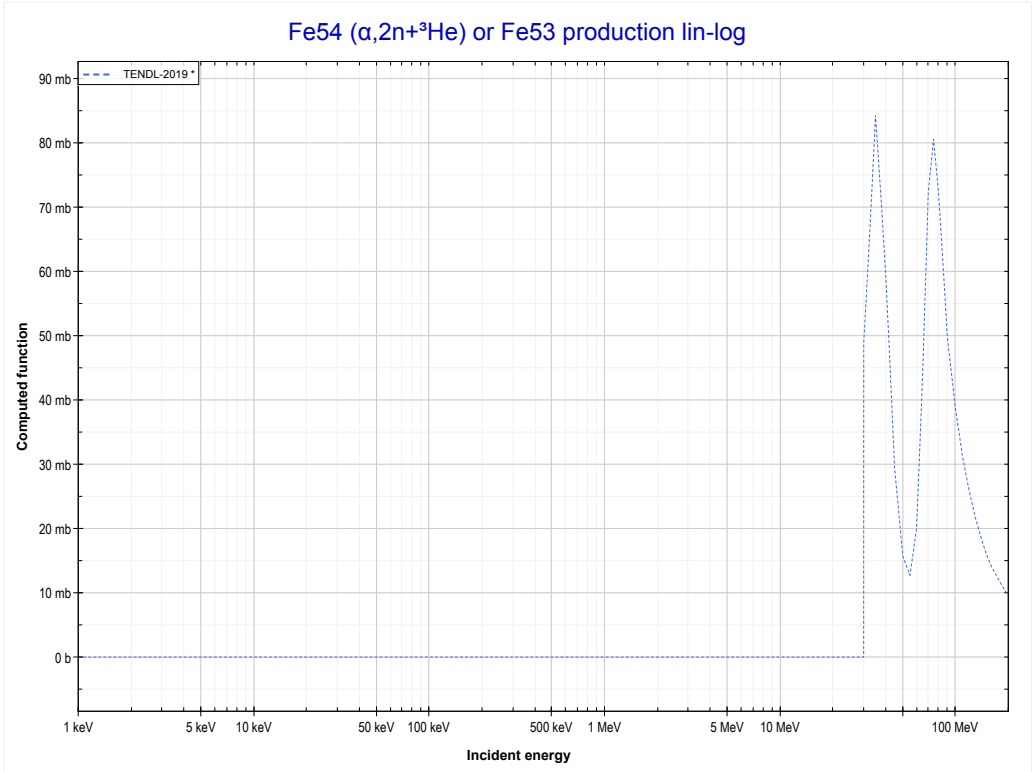
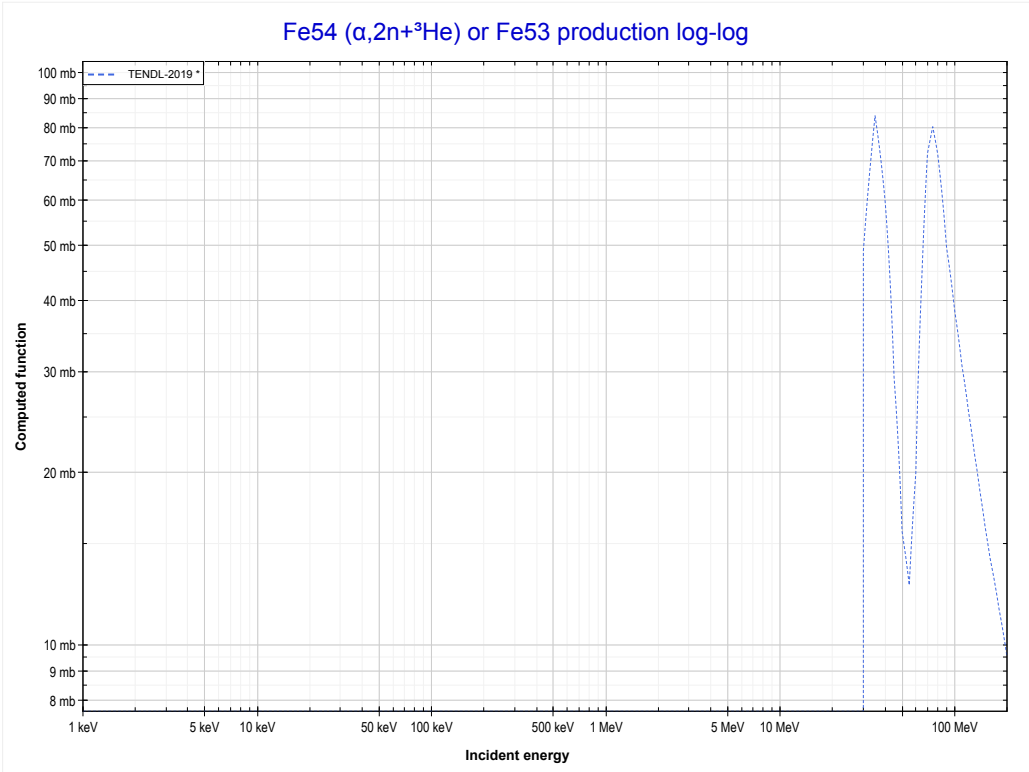
Reaction	Q-Value
Fe54(α,t)Co55	-14749.49 keV
Fe54(α,n+d)Co55	-21006.72 keV
Fe54(α,2n+p)Co55	-23231.29 keV

<< 24-Cr-50	26-Fe-54	26-Fe-56 >>
<< MT105 (α ,t)	MT117 (α ,d+ α) or MT5 (Mn52 production)	MT176 (α ,2n+ ^3He) >>



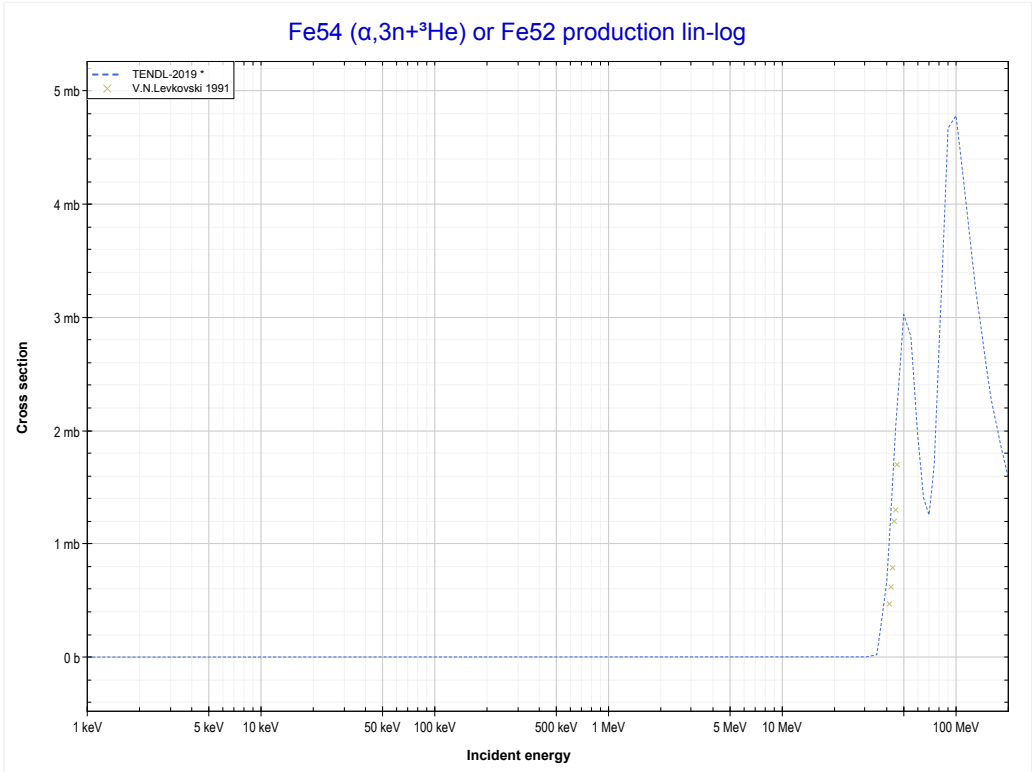
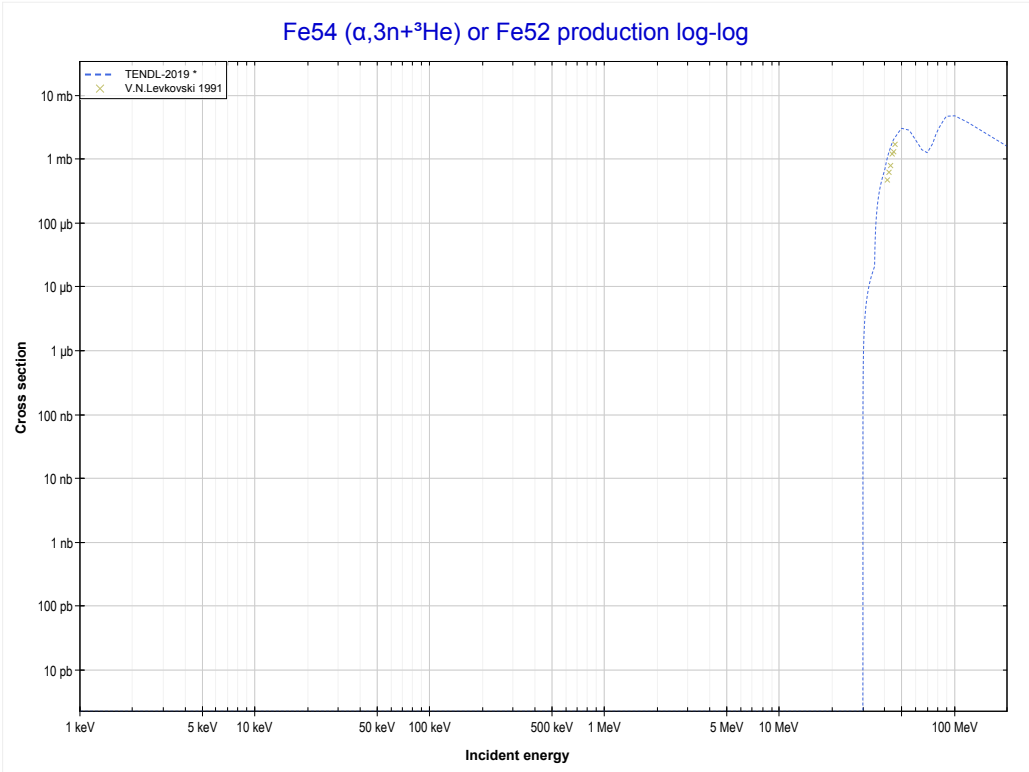
Reaction	Q-Value	Reaction	Q-Value
Fe54(α ,d+ α)Mn52	-18682.92 keV	Fe54(α ,n+p+2d)Mn52	-44754.02 keV
Fe54(α ,n+p+ α)Mn52	-20907.49 keV	Fe54(α ,2n+2p+d)Mn52	-46978.58 keV
Fe54(α ,t+He3)Mn52	-33003.31 keV	Fe54(α ,3n+3p)Mn52	-49203.15 keV
Fe54(α ,p+d+t)Mn52	-38496.79 keV		
Fe54(α ,n+d+He3)Mn52	-39260.54 keV		
Fe54(α ,n+2p+t)Mn52	-40721.35 keV		
Fe54(α ,2n+p+He3)Mn52	-41485.11 keV		
Fe54(α ,3d)Mn52	-42529.45 keV		

<< 25-Mn-55	26-Fe-54	27-Co-59 >>
<< MT117 (α ,d+ α)	MT176 (α ,2n+ ^3He) or MT5 (Fe53 production)	MT177 (α ,3n+ ^3He) >>



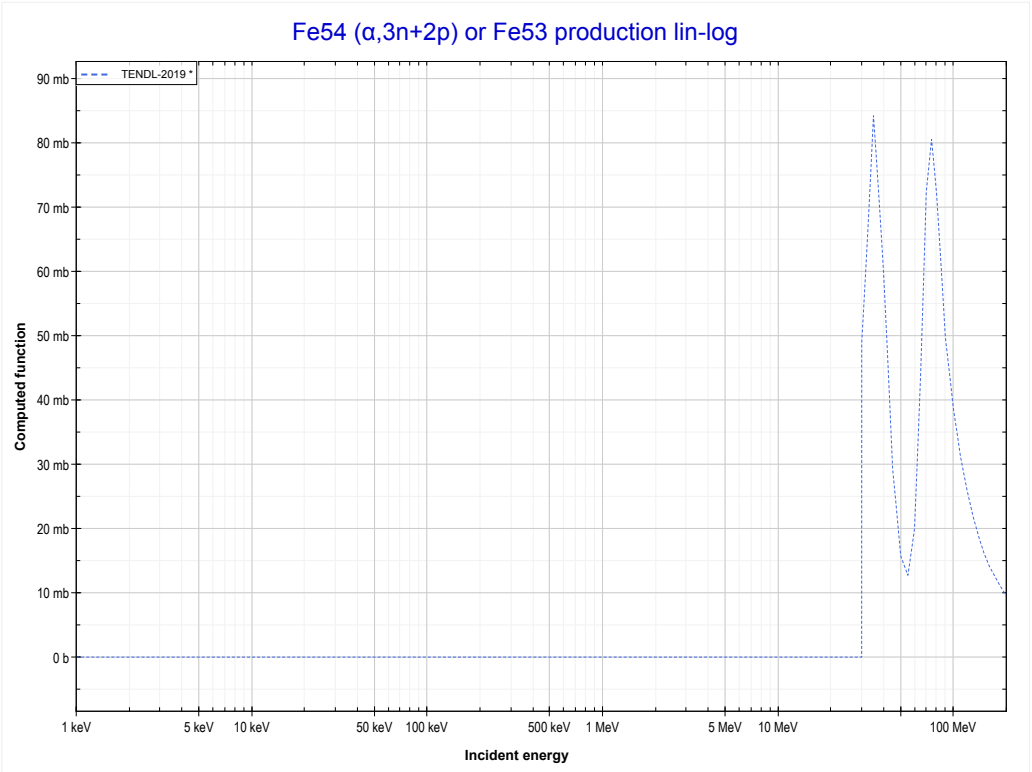
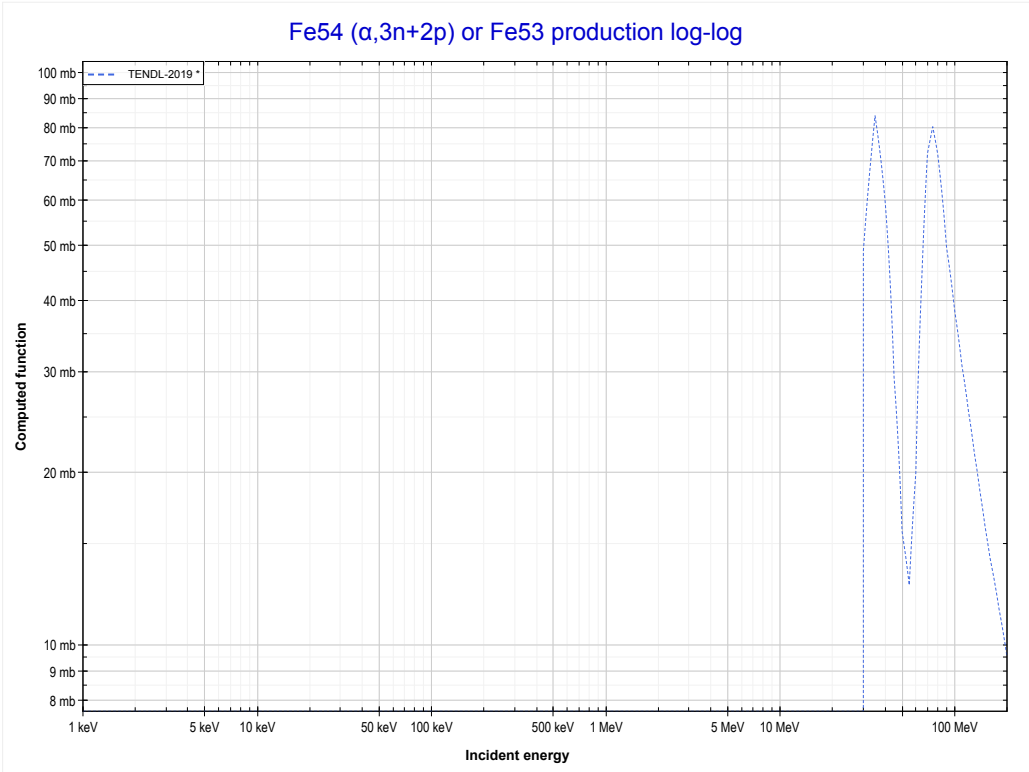
Reaction	Q-Value
Fe54(α ,n+ α)Fe53	-13378.32 keV
Fe54(α ,d+t)Fe53	-30967.62 keV
Fe54(α ,n+p+t)Fe53	-33192.18 keV
Fe54(α ,2n+He3)Fe53	-33955.94 keV
Fe54(α ,n+2d)Fe53	-37224.84 keV
Fe54(α ,2n+p+d)Fe53	-39449.41 keV
Fe54(α ,3n+2p)Fe53	-41673.98 keV

<< 24-Cr-53	26-Fe-54	27-Co-59 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Fe52 production)	MT179 ($\alpha,3n+2p$) >>



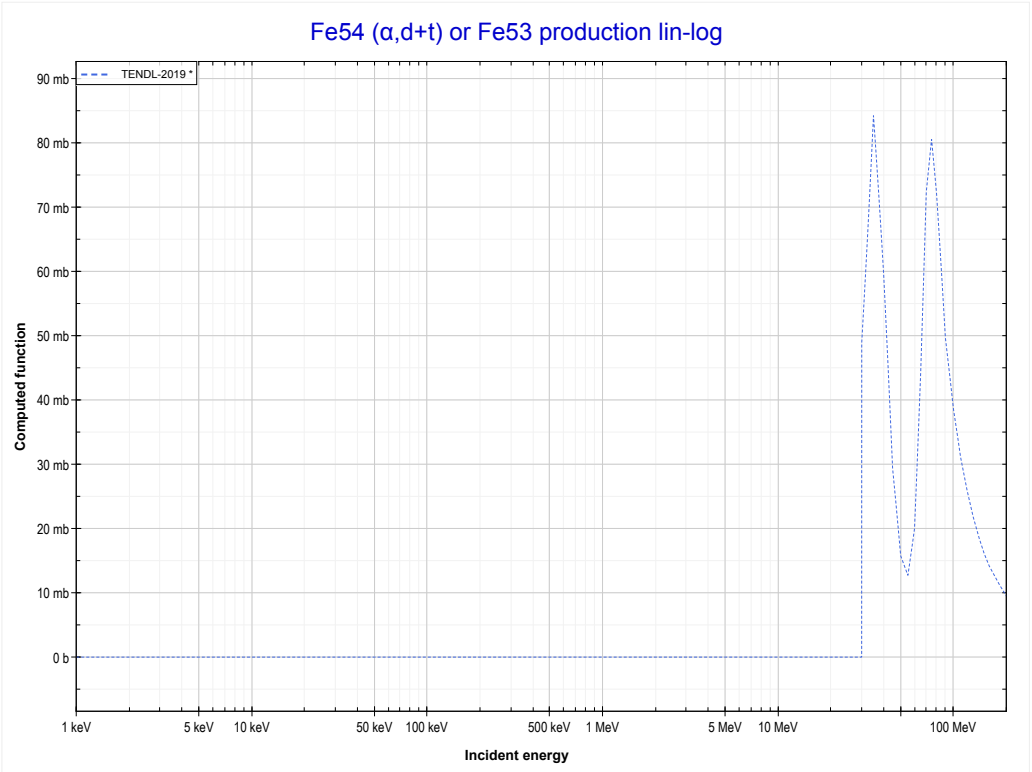
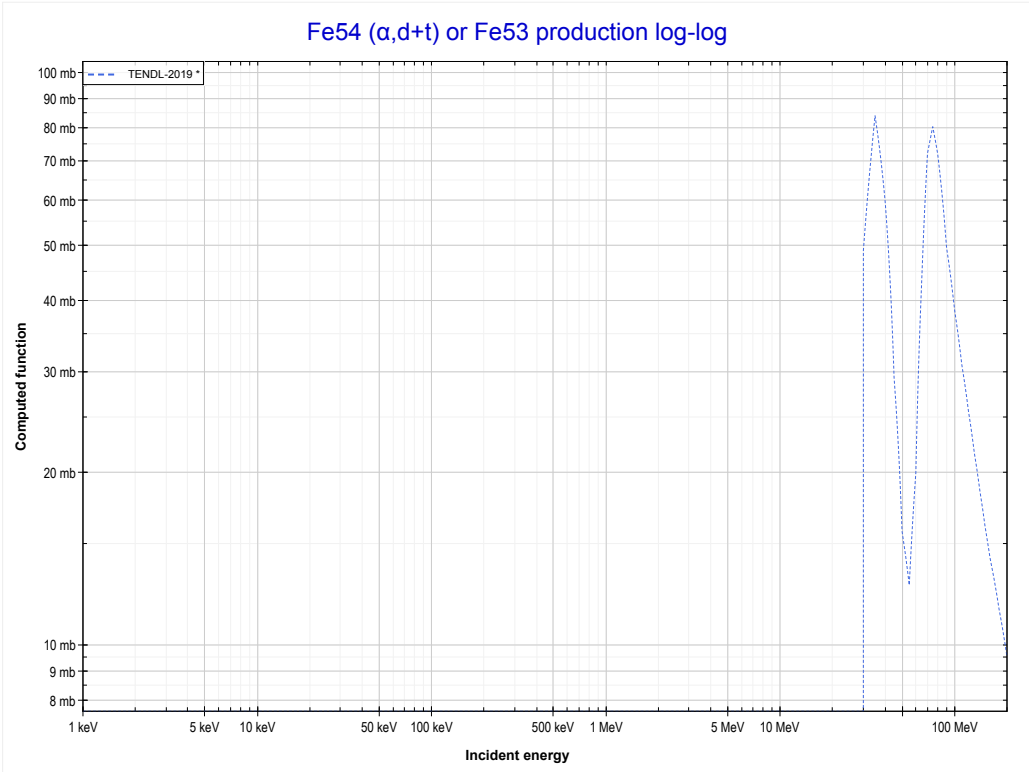
Reaction	Q-Value
Fe54($\alpha,2n+\alpha$)Fe52	-24067.13 keV
Fe54($\alpha,2t$)Fe52	-35399.20 keV
Fe54($\alpha,n+d+t$)Fe52	-41656.43 keV
Fe54($\alpha,2n+p+t$)Fe52	-43881.00 keV
Fe54($\alpha,3n+\text{He3}$)Fe52	-44644.75 keV
Fe54($\alpha,2n+2d$)Fe52	-47913.66 keV
Fe54($\alpha,3n+p+d$)Fe52	-50138.23 keV
Fe54($\alpha,4n+2p$)Fe52	-52362.79 keV

<< 25-Mn-55	26-Fe-54	27-Co-59 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Fe53 production)	MT182 ($\alpha,d+t$) >>



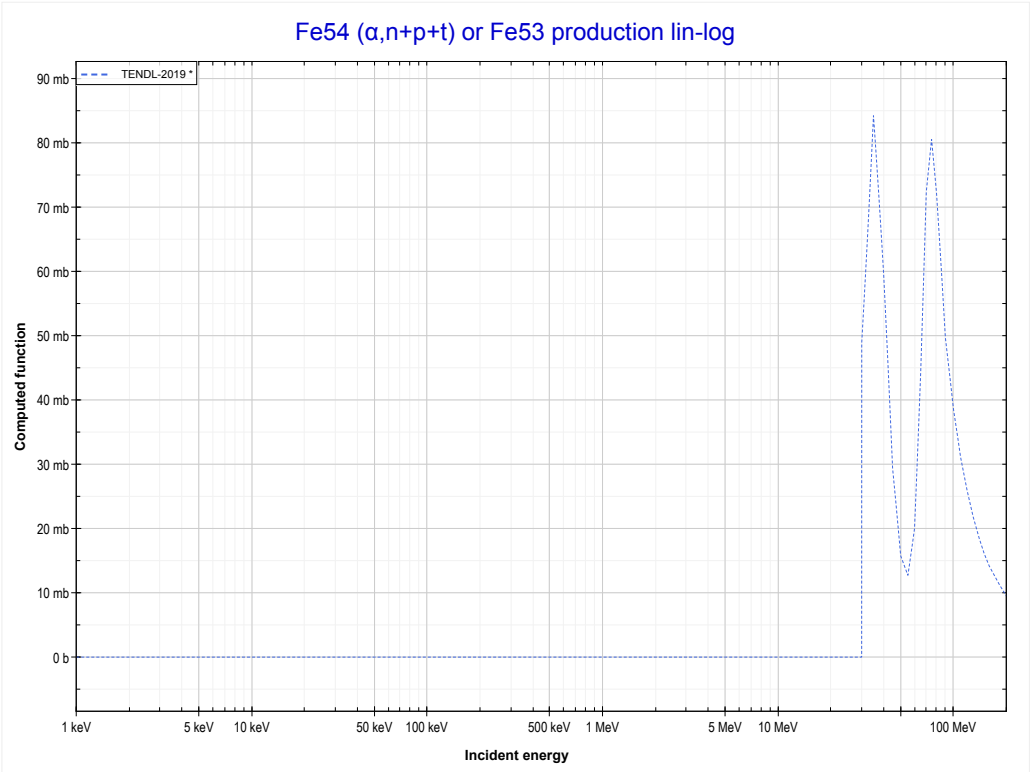
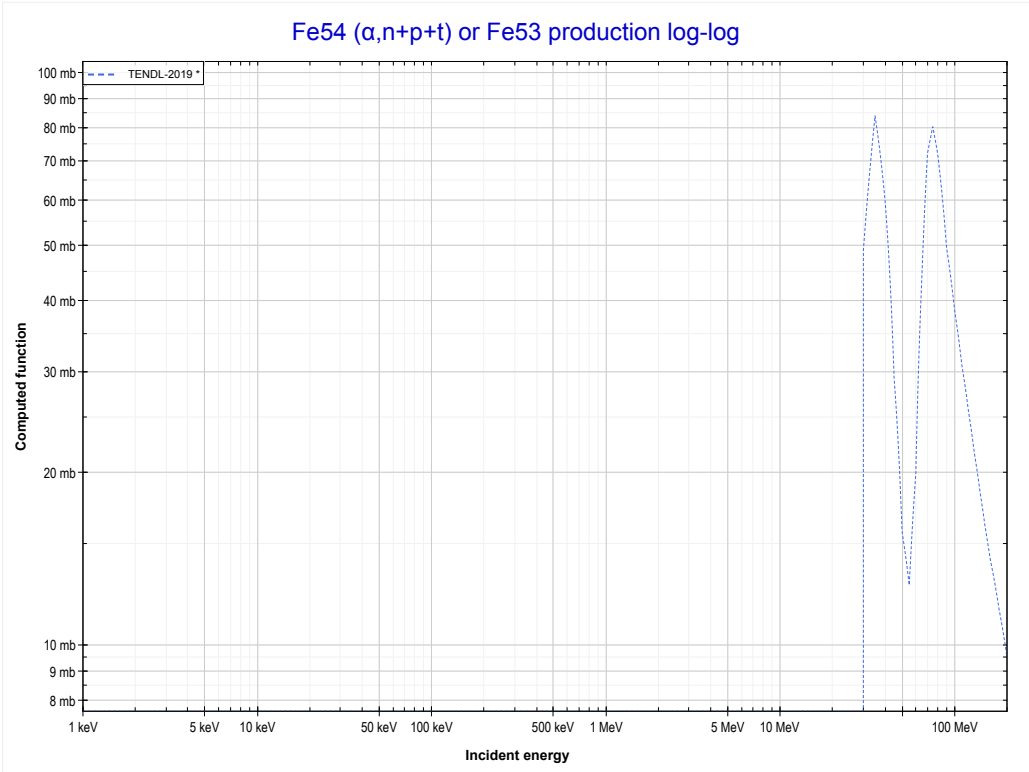
Reaction	Q-Value
Fe54($\alpha,n+\alpha$)Fe53	-13378.32 keV
Fe54($\alpha,d+t$)Fe53	-30967.62 keV
Fe54($\alpha,n+p+t$)Fe53	-33192.18 keV
Fe54($\alpha,2n+\text{He3}$)Fe53	-33955.94 keV
Fe54($\alpha,n+2d$)Fe53	-37224.84 keV
Fe54($\alpha,2n+p+d$)Fe53	-39449.41 keV
Fe54($\alpha,3n+2p$)Fe53	-41673.98 keV

<< 25-Mn-55	26-Fe-54	27-Co-59 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Fe53 production)	MT184 ($\alpha,n+p+t$) >>



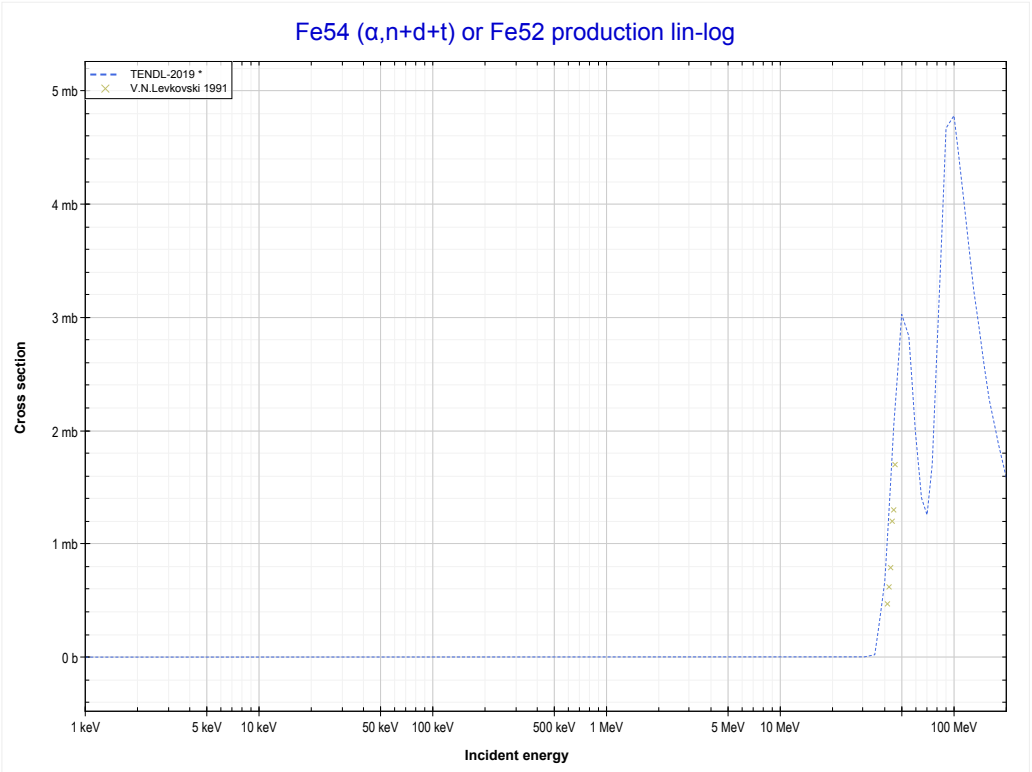
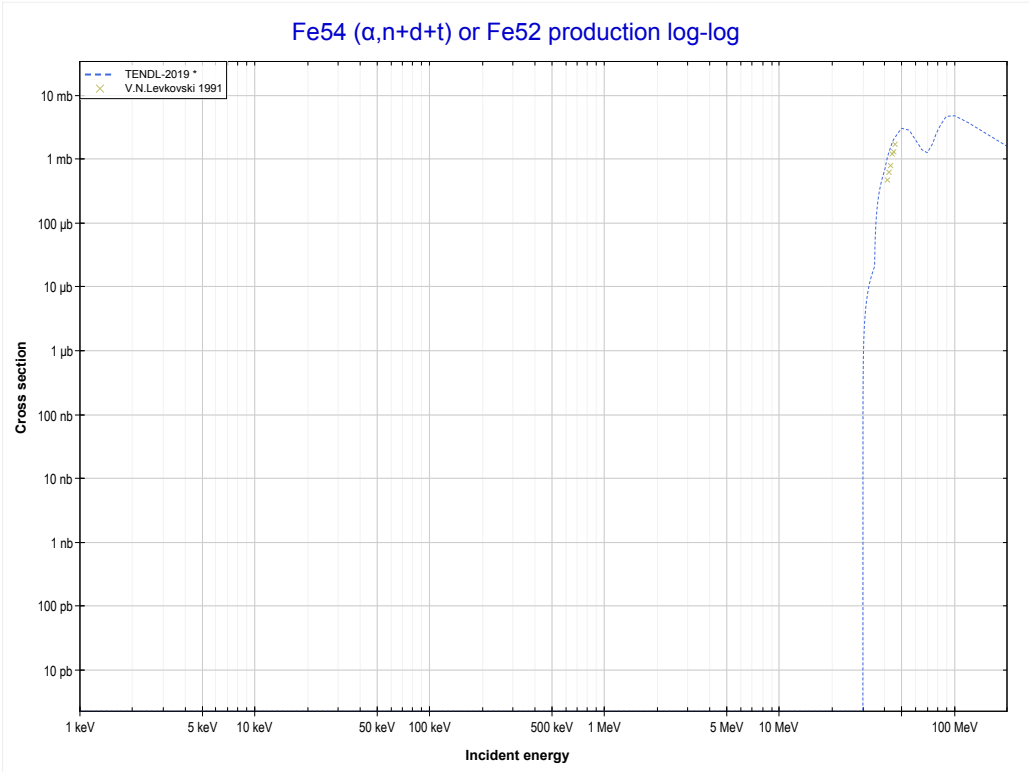
Reaction	Q-Value
Fe54($\alpha,n+\alpha$)Fe53	-13378.32 keV
Fe54($\alpha,d+t$)Fe53	-30967.62 keV
Fe54($\alpha,n+p+t$)Fe53	-33192.18 keV
Fe54($\alpha,2n+He3$)Fe53	-33955.94 keV
Fe54($\alpha,n+2d$)Fe53	-37224.84 keV
Fe54($\alpha,2n+p+d$)Fe53	-39449.41 keV
Fe54($\alpha,3n+2p$)Fe53	-41673.98 keV

<< 25-Mn-55	26-Fe-54	27-Co-59 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Fe53 production)	MT185 (α,n+d+t) >>



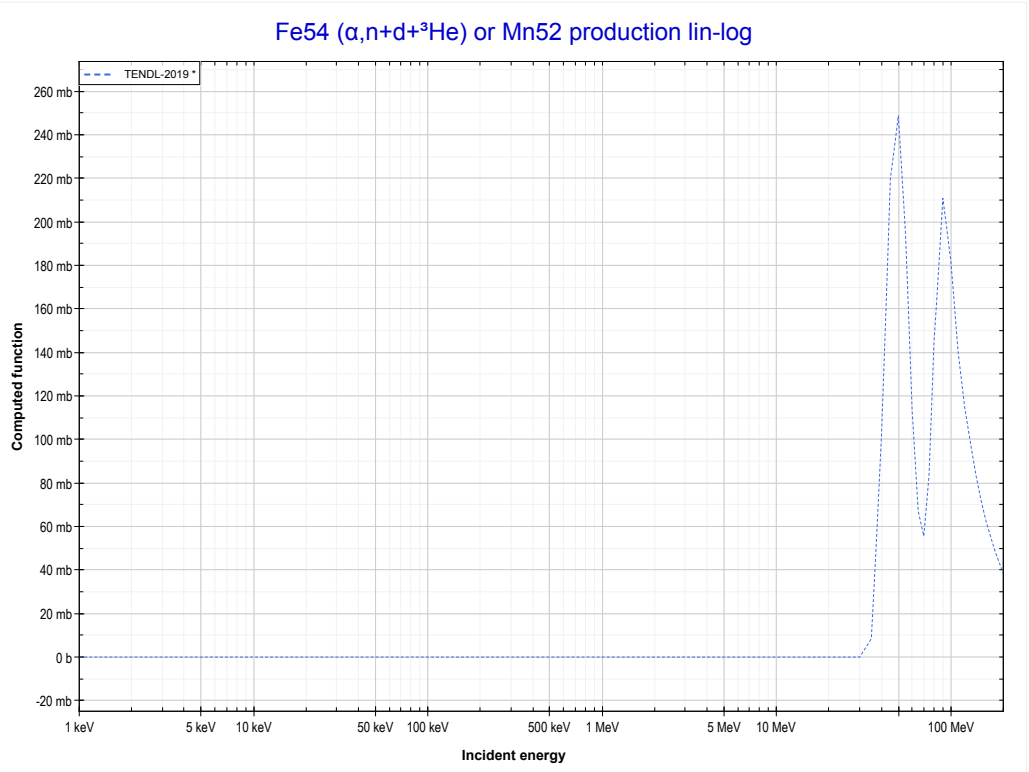
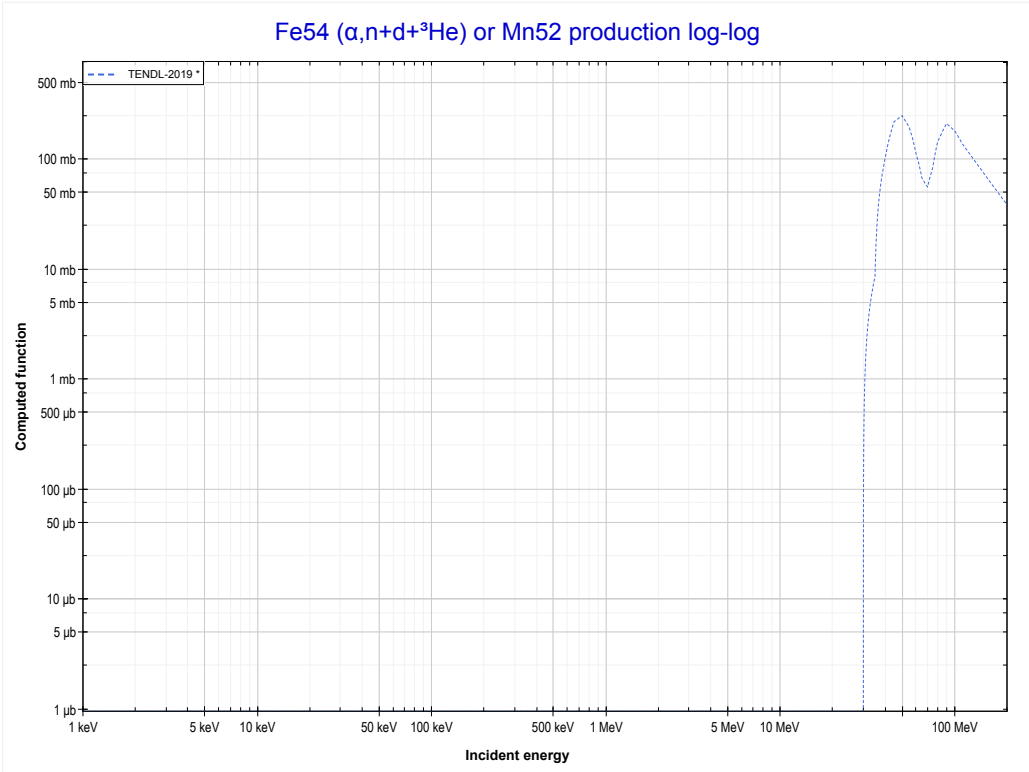
Reaction	Q-Value
Fe54(α,n+α)Fe53	-13378.32 keV
Fe54(α,d+t)Fe53	-30967.62 keV
Fe54(α,n+p+t)Fe53	-33192.18 keV
Fe54(α,2n+He3)Fe53	-33955.94 keV
Fe54(α,n+2d)Fe53	-37224.84 keV
Fe54(α,2n+p+d)Fe53	-39449.41 keV
Fe54(α,3n+2p)Fe53	-41673.98 keV

<< 24-Cr-53	26-Fe-54	27-Co-59 >>
<< MT184 (α,n+p+t)	MT185 (α,n+d+t) or MT5 (Fe52 production)	MT187 (α,n+d+ ³ He) >>



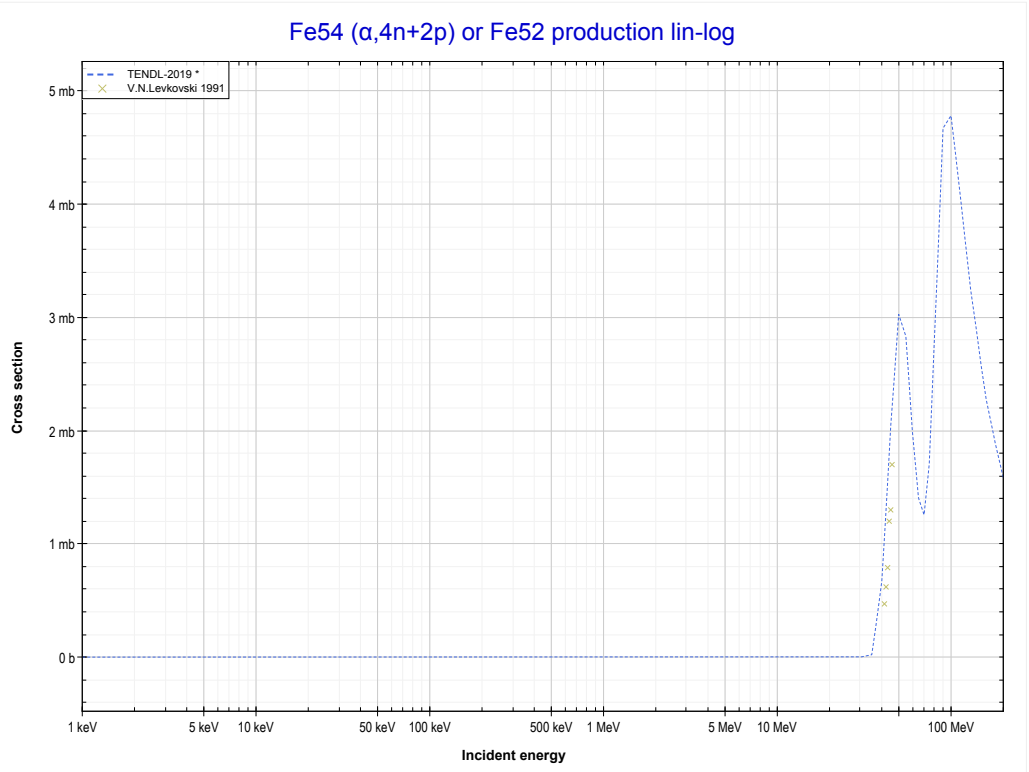
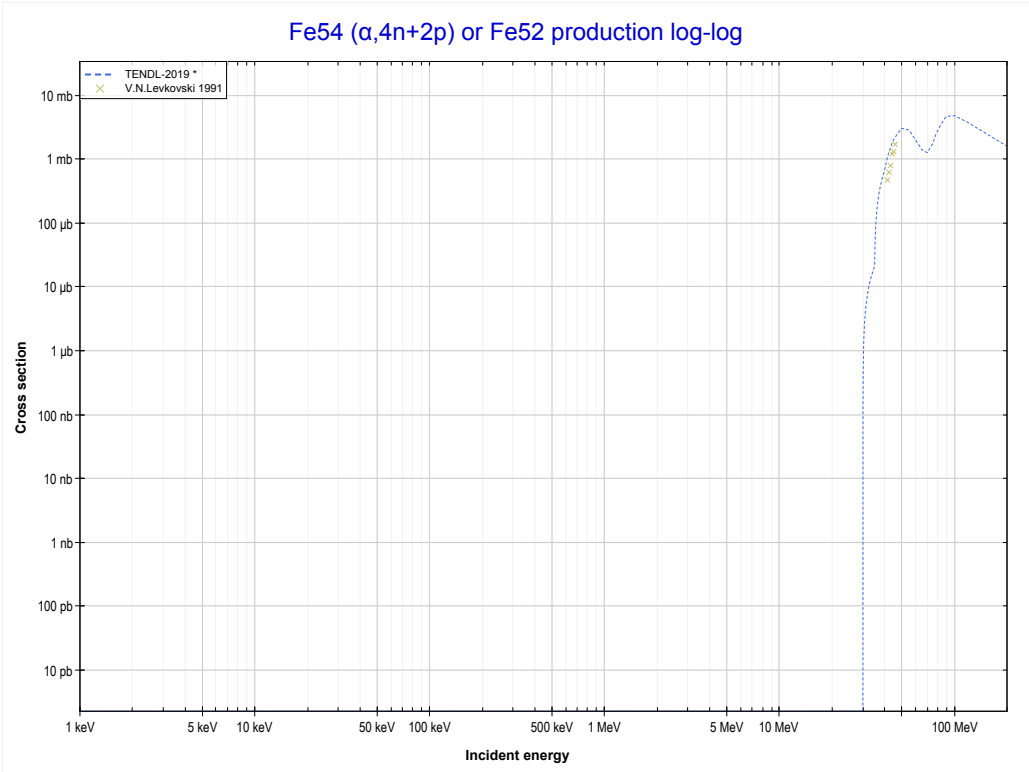
Reaction	Q-Value
Fe54(α,2n+α)Fe52	-24067.13 keV
Fe54(α,2t)Fe52	-35399.20 keV
Fe54(α,n+d+t)Fe52	-41656.43 keV
Fe54(α,2n+p+t)Fe52	-43881.00 keV
Fe54(α,3n+He3)Fe52	-44644.75 keV
Fe54(α,2n+2d)Fe52	-47913.66 keV
Fe54(α,3n+p+d)Fe52	-50138.23 keV
Fe54(α,4n+2p)Fe52	-52362.79 keV

<< 24-Cr-50	26-Fe-54	26-Fe-56 >>
<< MT185 (α ,n+d+t)	MT187 (α ,n+d+ ^3He) or MT5 (Mn52 production)	MT194 (α ,4n+2p) >>



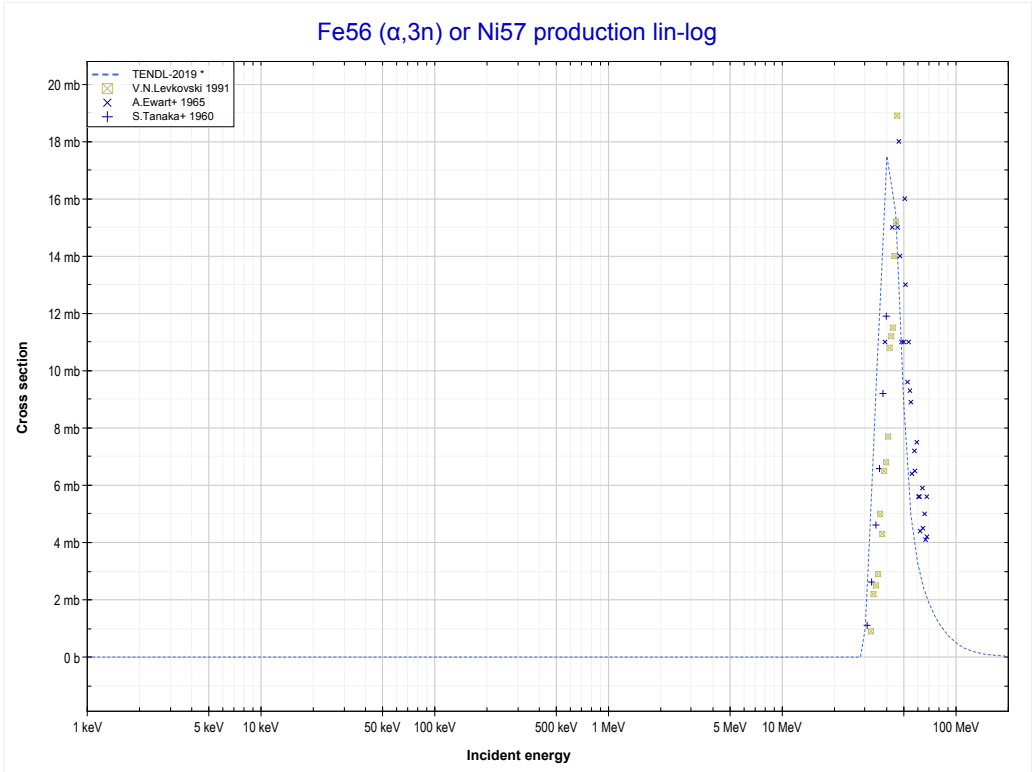
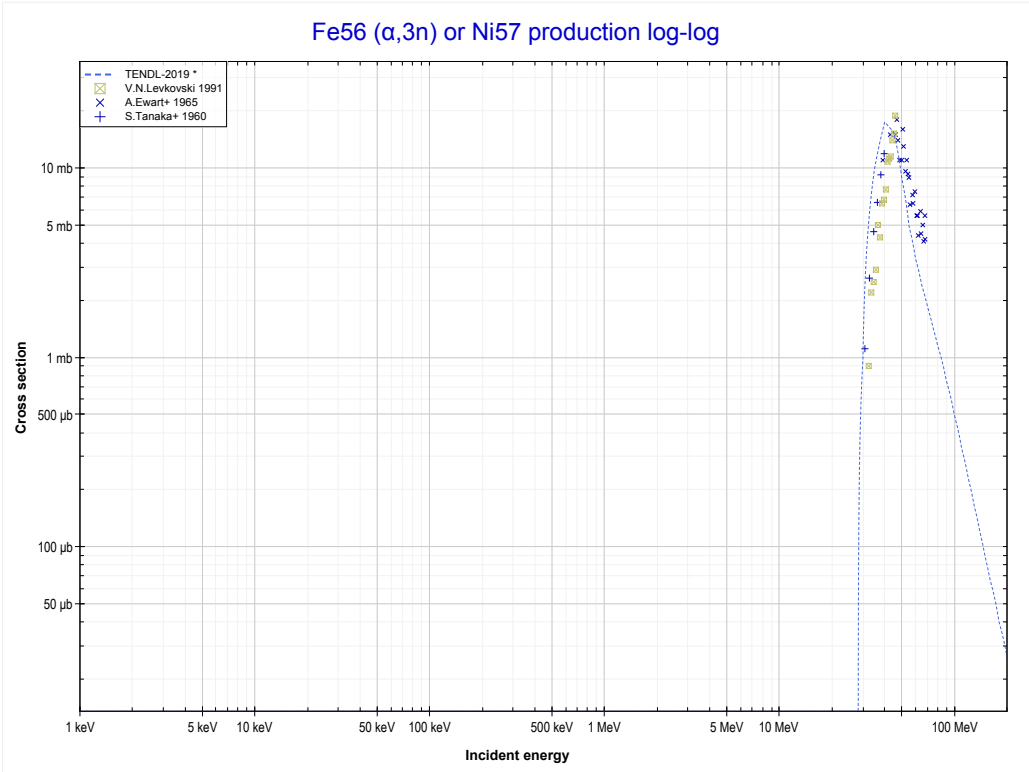
Reaction	Q-Value	Reaction	Q-Value
Fe54(α ,d+ α)Mn52	-18682.92 keV	Fe54(α ,n+p+2d)Mn52	-44754.02 keV
Fe54(α ,n+p+ α)Mn52	-20907.49 keV	Fe54(α ,2n+2p+d)Mn52	-46978.58 keV
Fe54(α ,t+He3)Mn52	-33003.31 keV	Fe54(α ,3n+3p)Mn52	-49203.15 keV
Fe54(α ,p+d+t)Mn52	-38496.79 keV		
Fe54(α ,n+d+He3)Mn52	-39260.54 keV		
Fe54(α ,n+2p+t)Mn52	-40721.35 keV		
Fe54(α ,2n+p+He3)Mn52	-41485.11 keV		
Fe54(α ,3d)Mn52	-42529.45 keV		

<< 24-Cr-53	26-Fe-54	27-Co-59 >>
<< MT187 ($\alpha,n+d+^3\text{He}$)	MT194 ($\alpha,4n+2p$) or MT5 (Fe52 production)	26-Fe-56 MT17 ($\alpha,3n$) >>



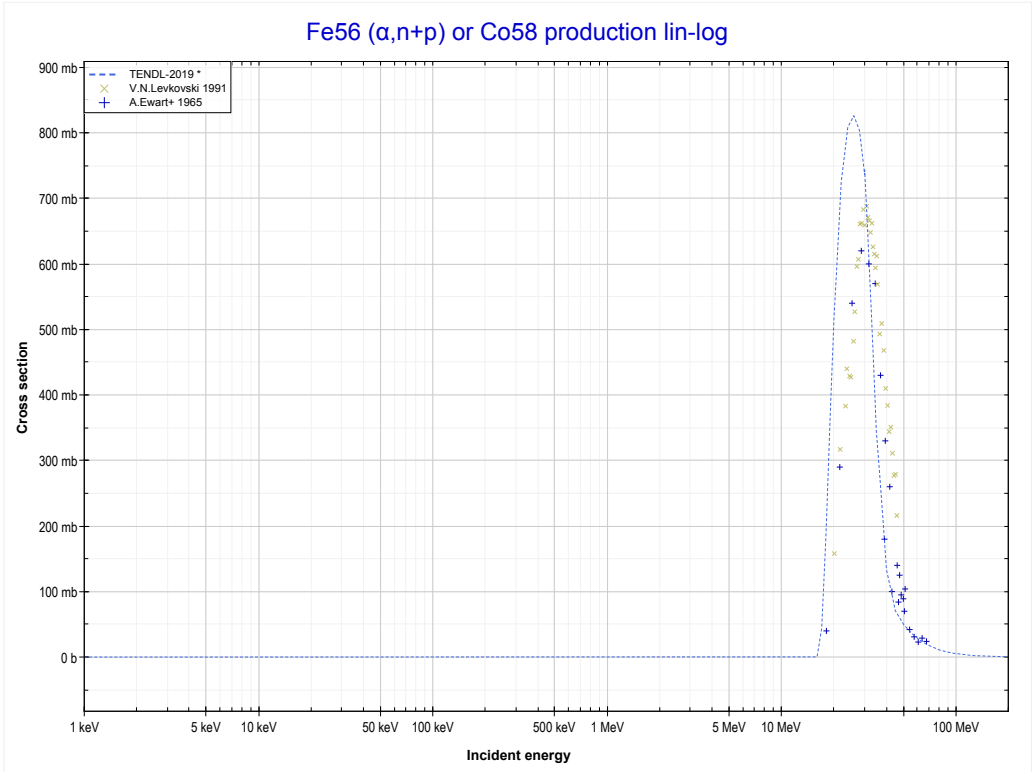
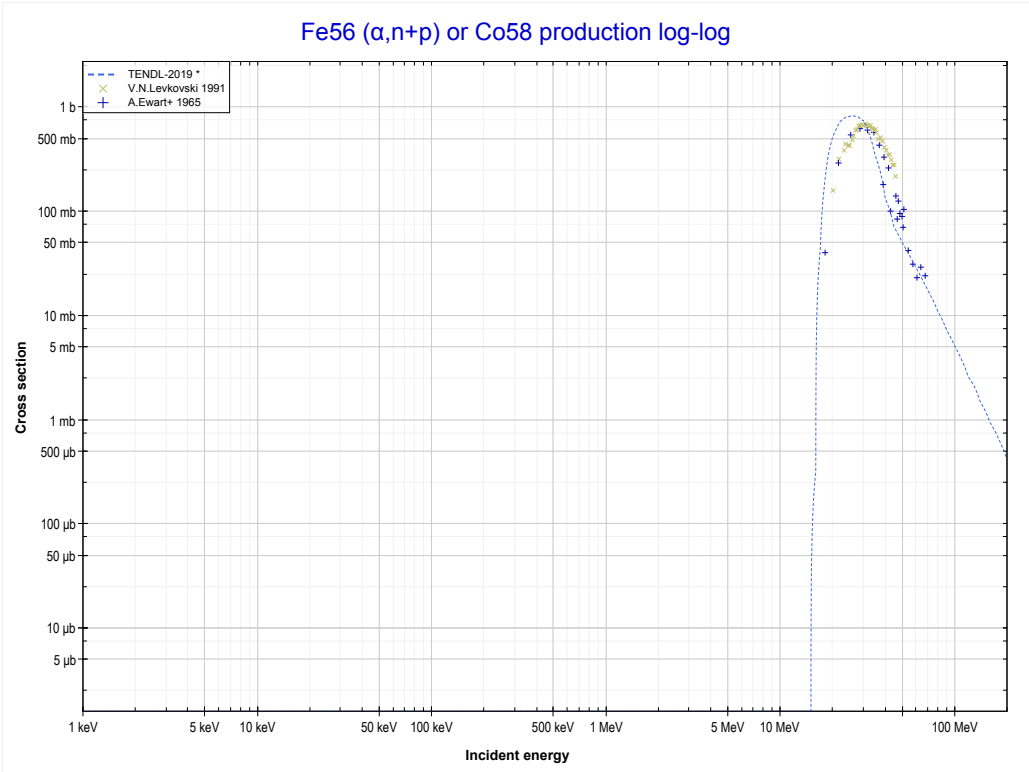
Reaction	Q-Value
Fe54($\alpha,2n+\alpha$)Fe52	-24067.13 keV
Fe54($\alpha,2t$)Fe52	-35399.20 keV
Fe54($\alpha,n+d+t$)Fe52	-41656.43 keV
Fe54($\alpha,2n+p+t$)Fe52	-43881.00 keV
Fe54($\alpha,3n+^3\text{He}$)Fe52	-44644.75 keV
Fe54($\alpha,2n+2d$)Fe52	-47913.66 keV
Fe54($\alpha,3n+p+d$)Fe52	-50138.23 keV
Fe54($\alpha,4n+2p$)Fe52	-52362.79 keV

<< 25-Mn-55	26-Fe-56	27-Co-59 >>
<< 26-Fe-54 MT194 (α ,4n+2p)	MT17 (α ,3n) or MT5 (Ni57 production)	MT28 (α ,n+p) >>



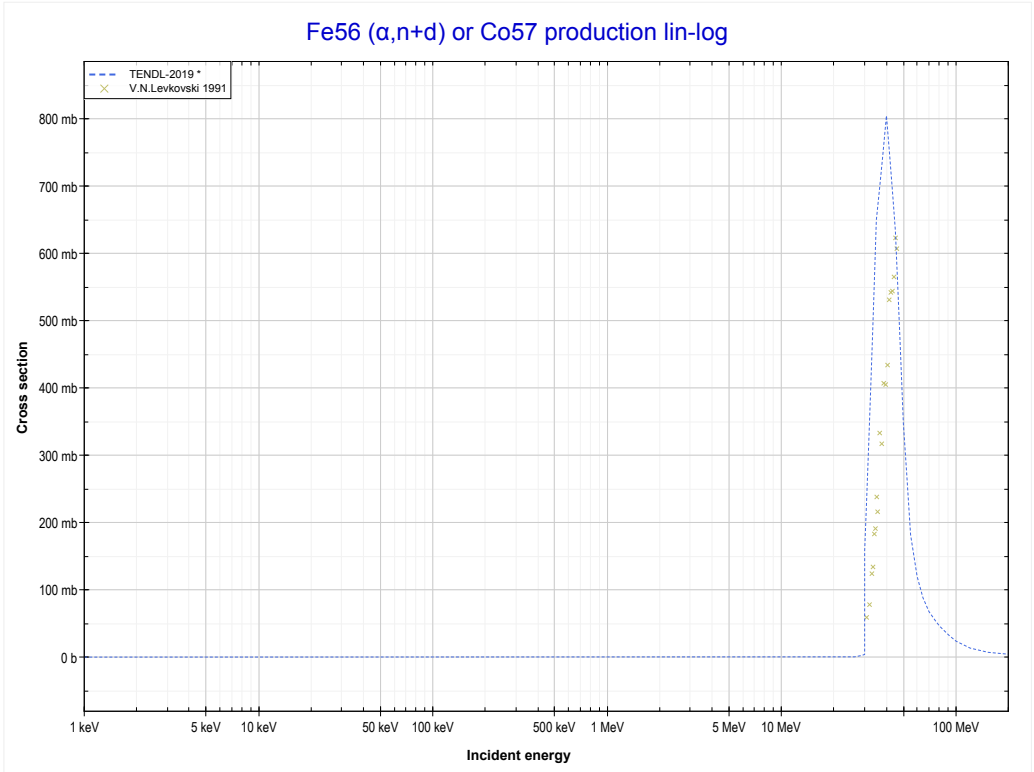
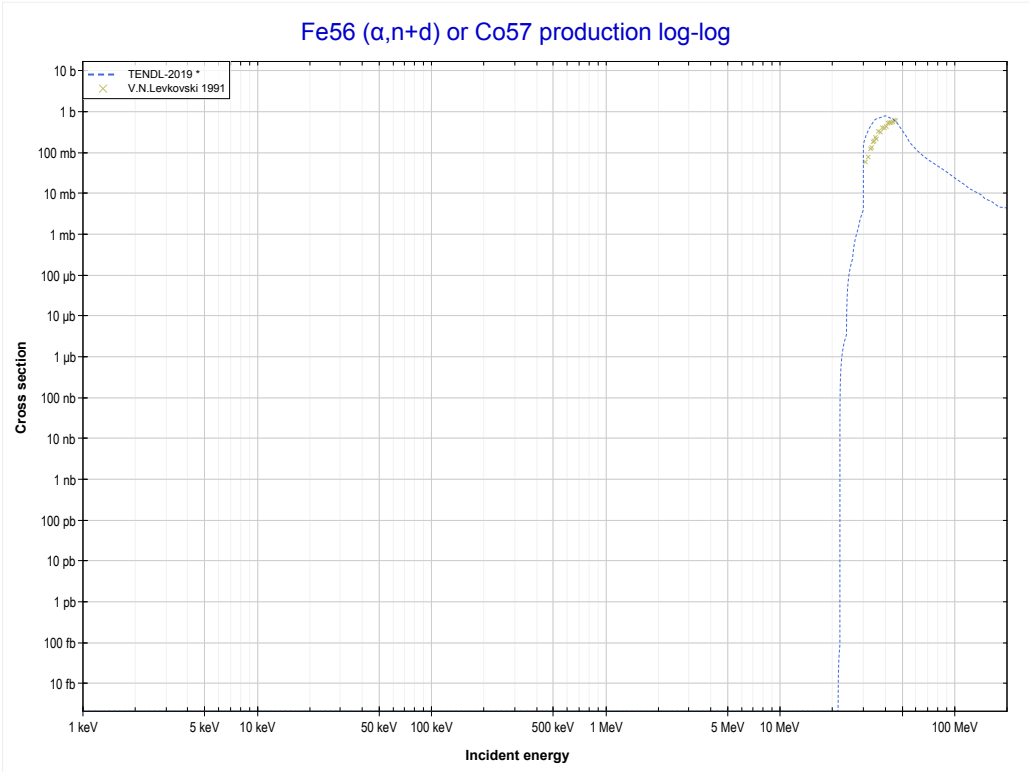
Reaction	Q-Value
Fe56(α ,3n)Ni57	-26312.34 keV

<< 26-Fe-54	26-Fe-56	26-Fe-58 >>
<< MT17 (α,3n)	MT28 (α,n+p) or MT5 (Co58 production)	MT32 (α,n+d) >>



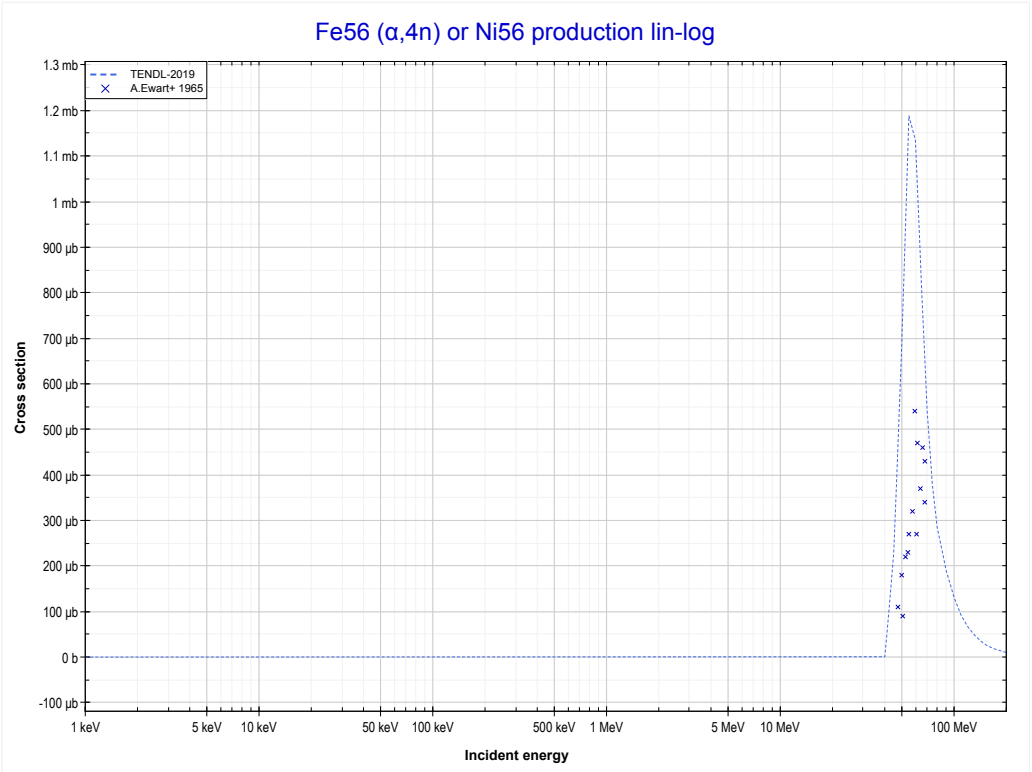
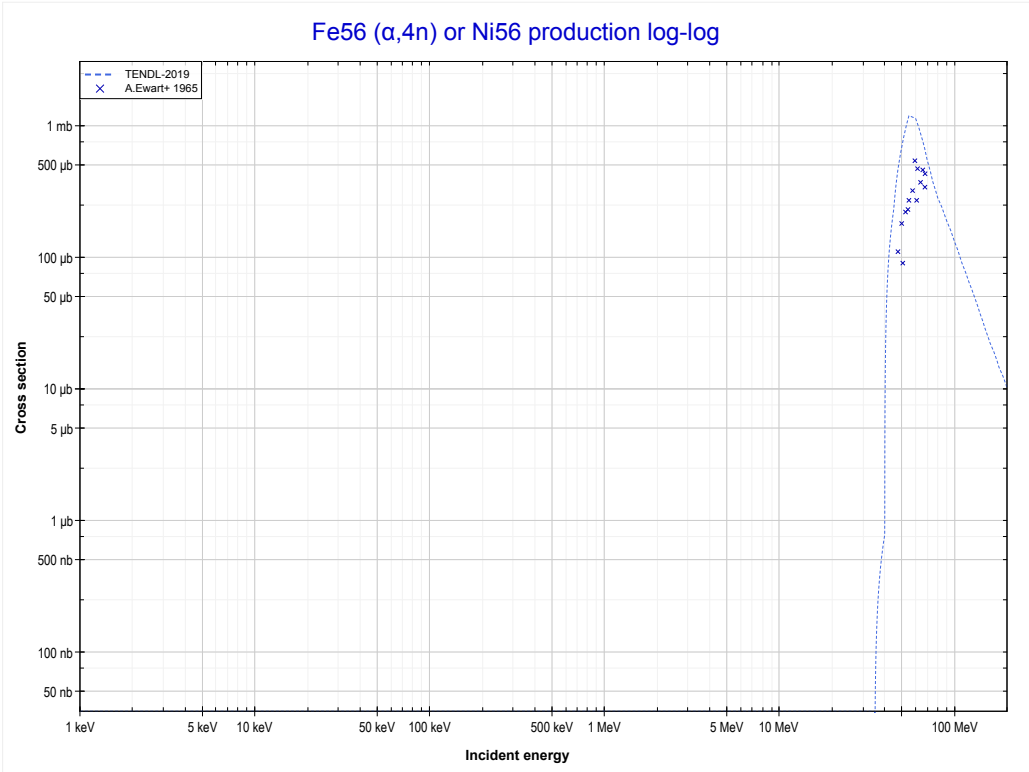
Reaction	Q-Value
Fe56(α,d)Co58	-11470.71 keV
Fe56(α,n+p)Co58	-13695.27 keV

<< 26-Fe-54	26-Fe-56	26-Fe-57 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Co57 production)	MT37 (α,4n) >>



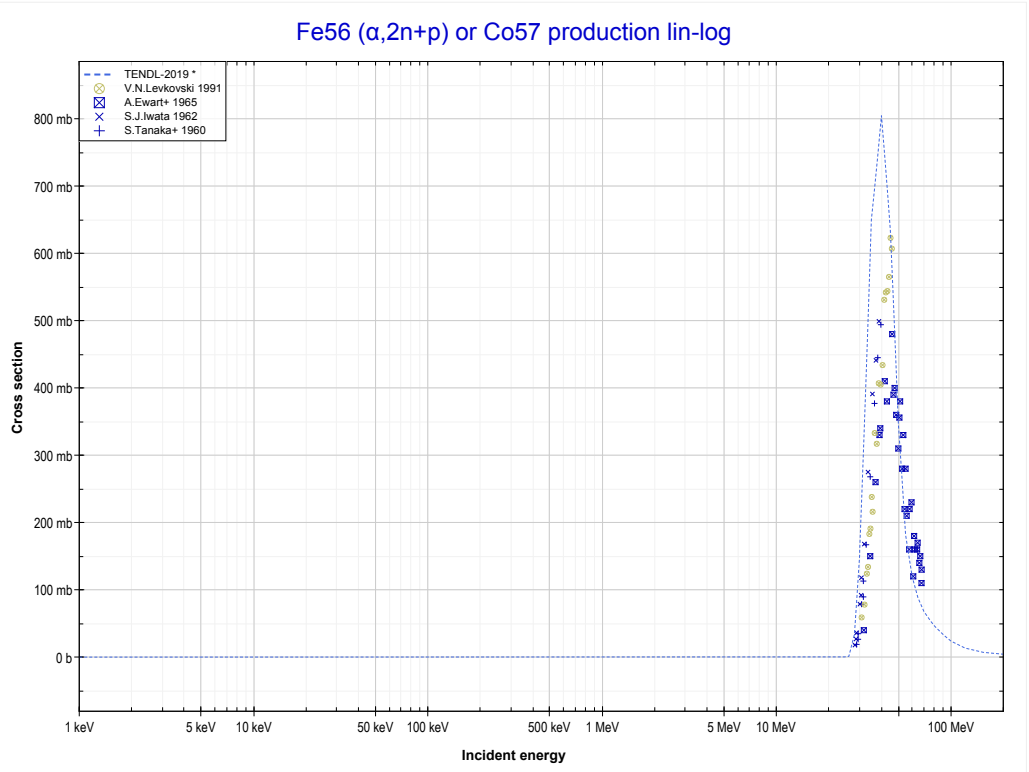
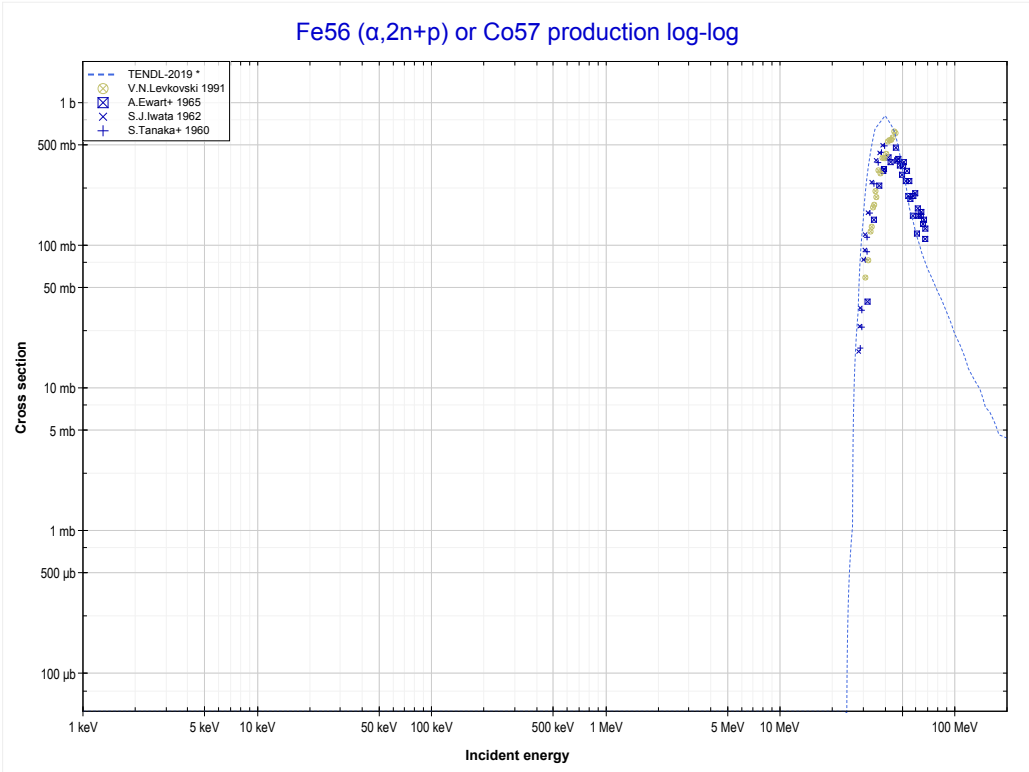
Reaction	Q-Value
Fe56(α,t)Co57	-13786.39 keV
Fe56(α,n+d)Co57	-20043.62 keV
Fe56(α,2n+p)Co57	-22268.19 keV

<< 25-Mn-55	26-Fe-56	30-Zn-67 >>
<< MT32 (α ,n+d)	MT37 (α ,4n) or MT5 (Ni56 production)	MT41 (α ,2n+p) >>



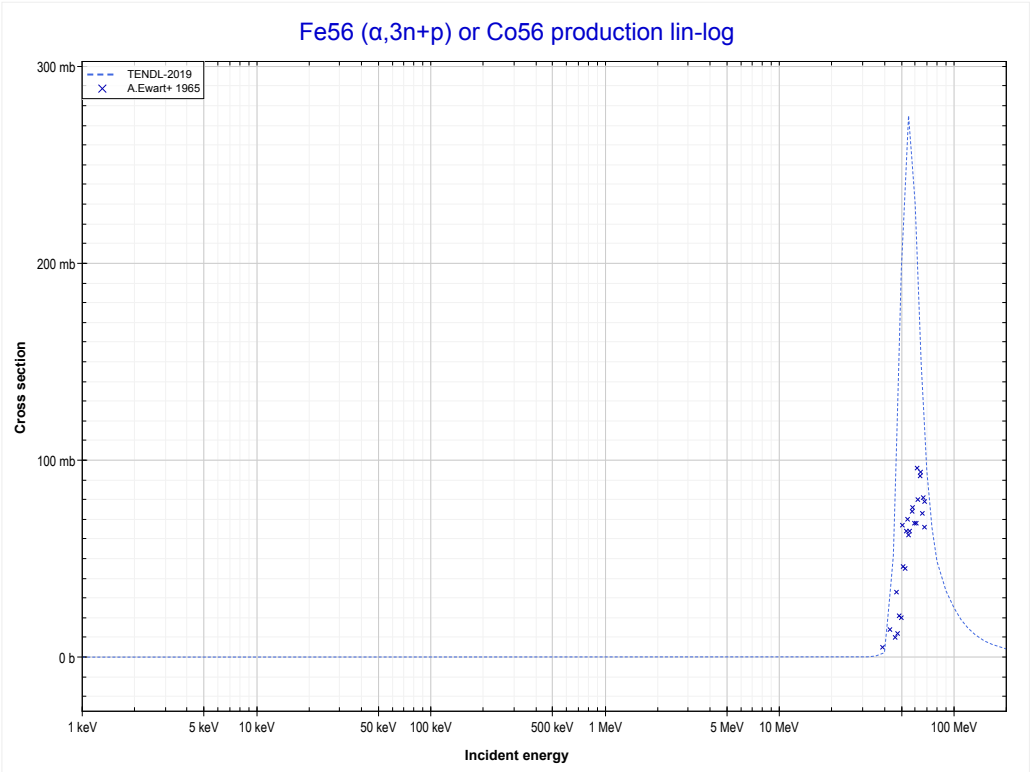
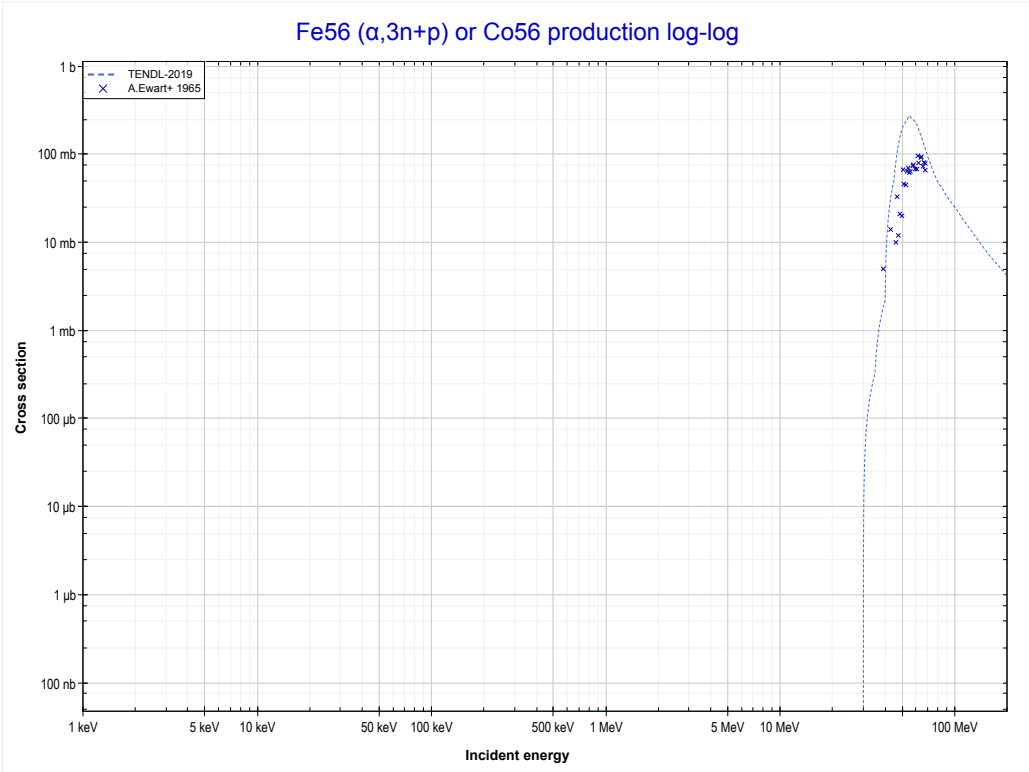
Reaction	Q-Value
Fe56(α ,4n)Ni56	-36559.95 keV

<< 26-Fe-54	26-Fe-56	26-Fe-57 >>
<< MT37 ($\alpha,4n$)	MT41 ($\alpha,2n+p$) or MT5 (Co57 production)	MT42 ($\alpha,3n+p$) >>



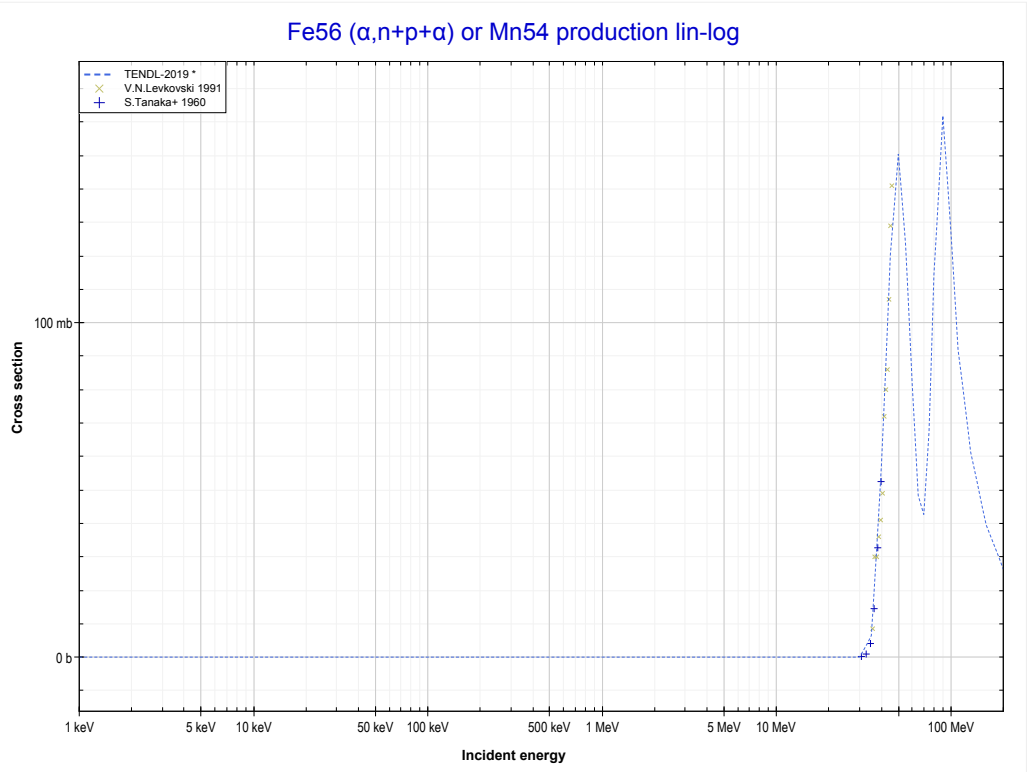
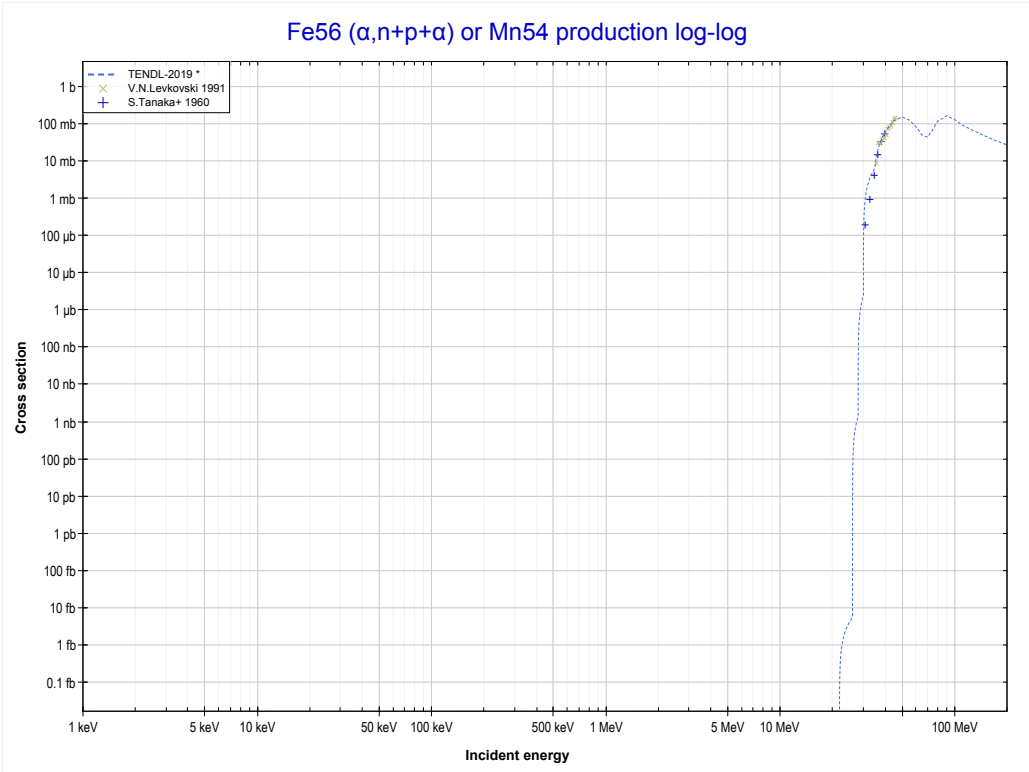
Reaction	Q-Value
Fe56(α,t)Co57	-13786.39 keV
Fe56($\alpha,n+d$)Co57	-20043.62 keV
Fe56($\alpha,2n+p$)Co57	-22268.19 keV

<< 23-V-51	26-Fe-56	30-Zn-67 >>
<< MT41 (α ,2n+p)	MT42 (α ,3n+p) or MT5 (Co56 production)	MT45 (α ,n+p+ α) >>



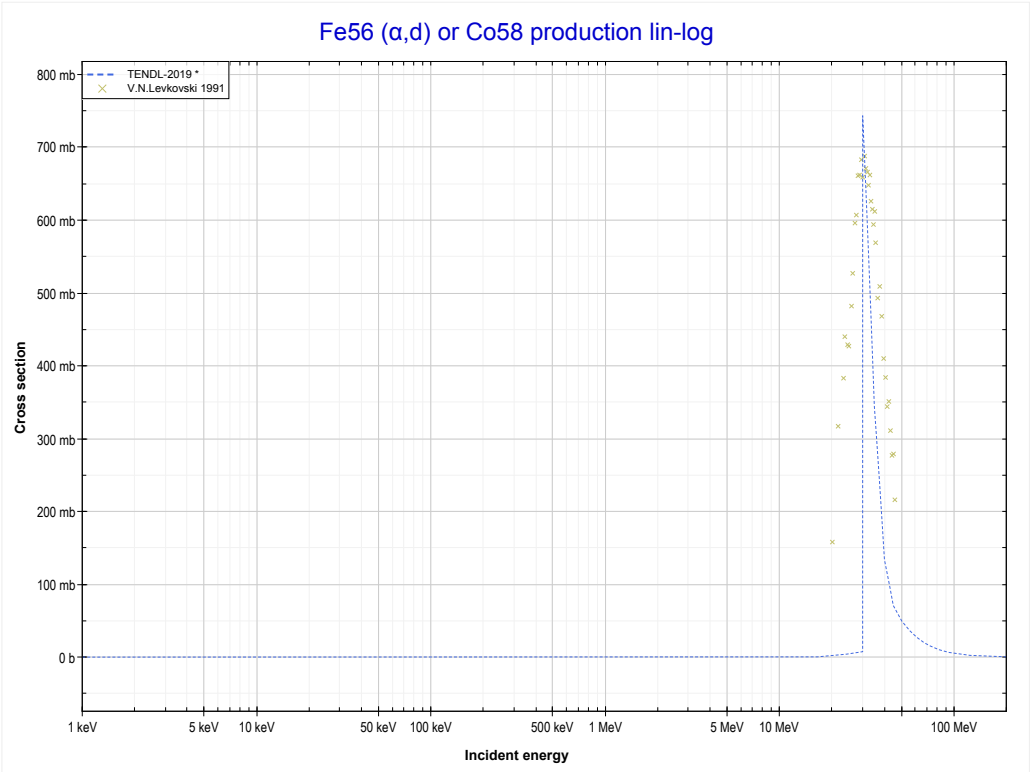
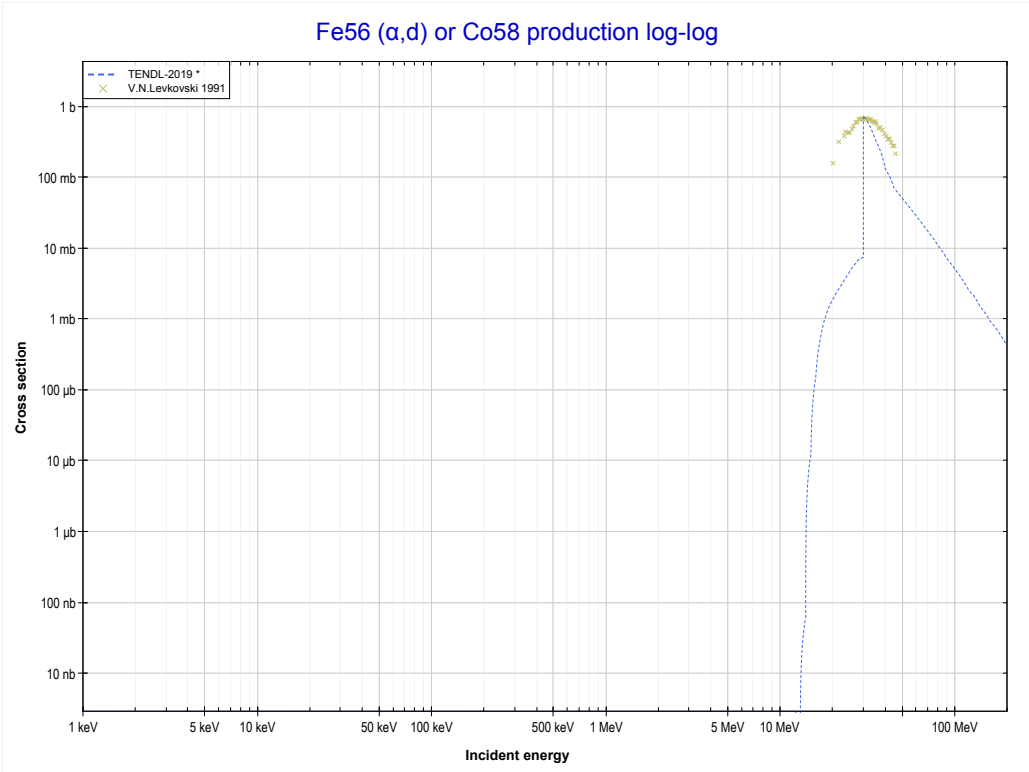
Reaction	Q-Value
Fe56(α ,n+t)Co56	-25162.91 keV
Fe56(α ,2n+d)Co56	-31420.14 keV
Fe56(α ,3n+p)Co56	-33644.71 keV

<< 26-Fe-54	26-Fe-56	28-Ni-58 >>
<< MT42 ($\alpha,3n+p$)	MT45 ($\alpha,n+p+\alpha$) or MT5 (Mn54 production)	MT104 (α,d) >>



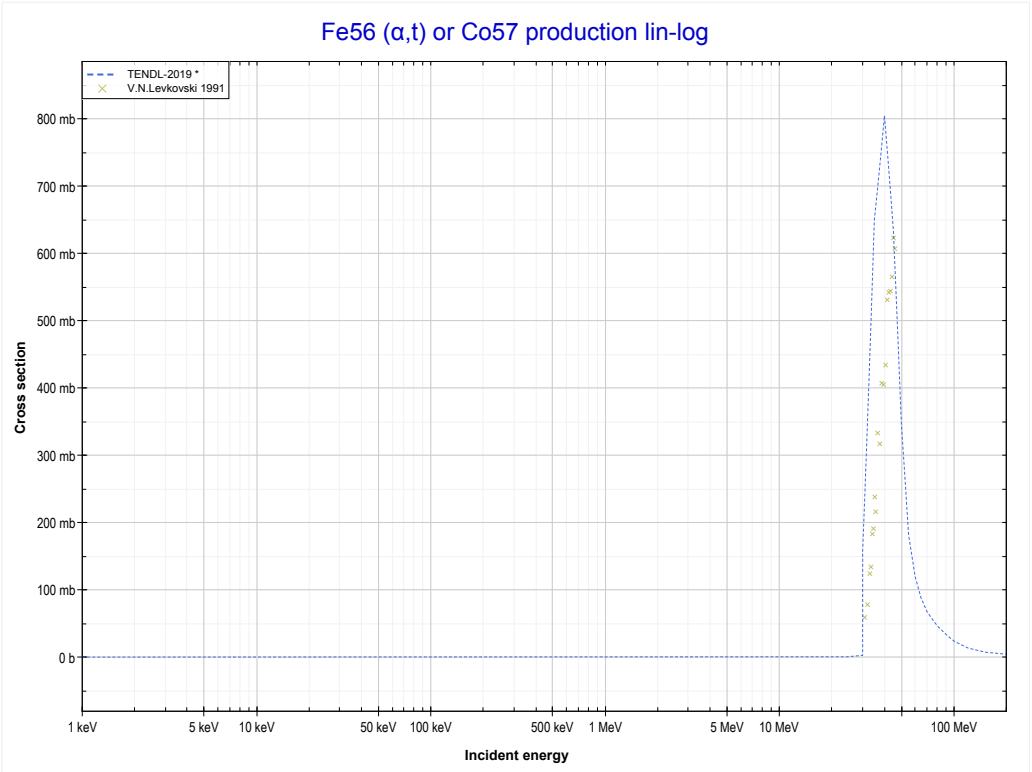
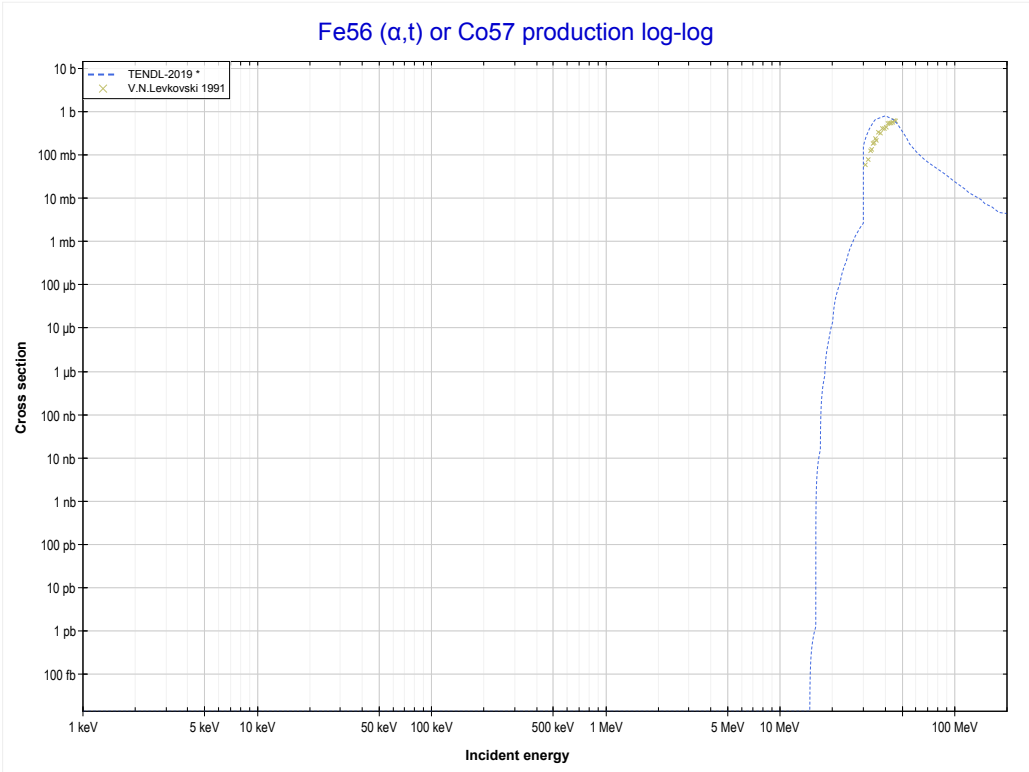
Reaction	Q-Value	Reaction	Q-Value
Fe56($\alpha,d+\alpha$)Mn54	-18185.22 keV	Fe56($\alpha,n+p+2d$)Mn54	-44256.32 keV
Fe56($\alpha,n+p+\alpha$)Mn54	-20409.79 keV	Fe56($\alpha,2n+2p+d$)Mn54	-46480.88 keV
Fe56($\alpha,t+He3$)Mn54	-32505.61 keV	Fe56($\alpha,3n+3p$)Mn54	-48705.45 keV
Fe56($\alpha,p+d+t$)Mn54	-37999.09 keV		
Fe56($\alpha,n+d+He3$)Mn54	-38762.84 keV		
Fe56($\alpha,n+2p+t$)Mn54	-40223.65 keV		
Fe56($\alpha,2n+p+He3$)Mn54	-40987.41 keV		
Fe56($\alpha,3d$)Mn54	-42031.75 keV		

<< 26-Fe-54	26-Fe-56	26-Fe-58 >>
<< MT45 (α,n+p+α)	MT104 (α,d) or MT5 (Co58 production)	MT105 (α,t) >>



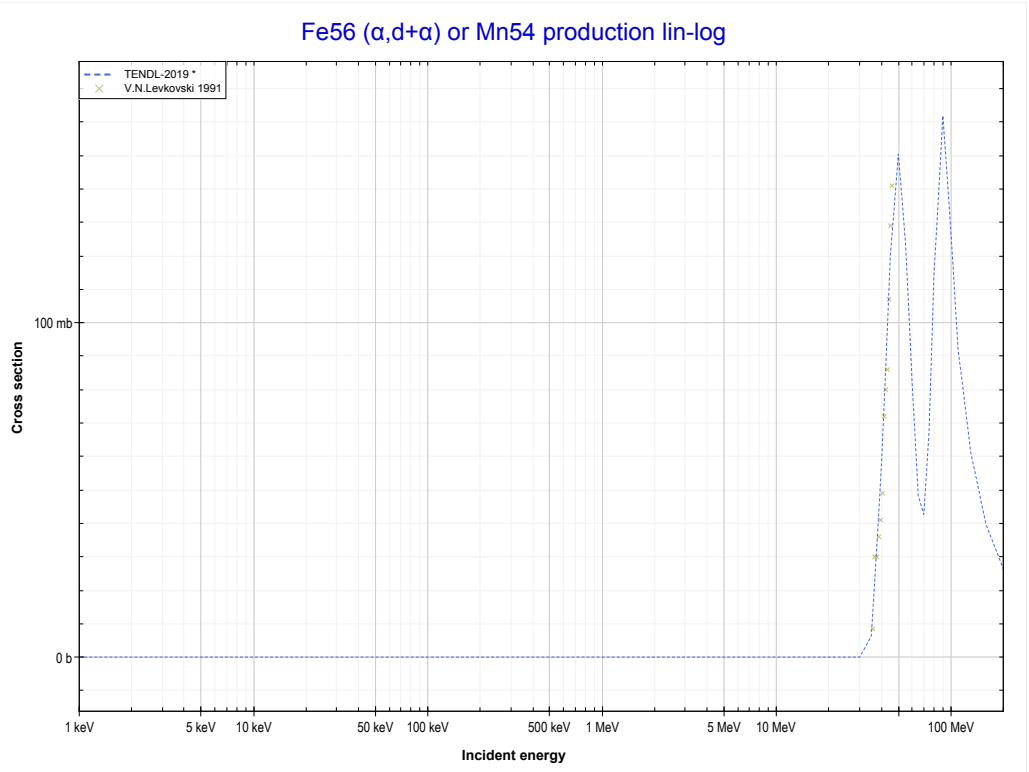
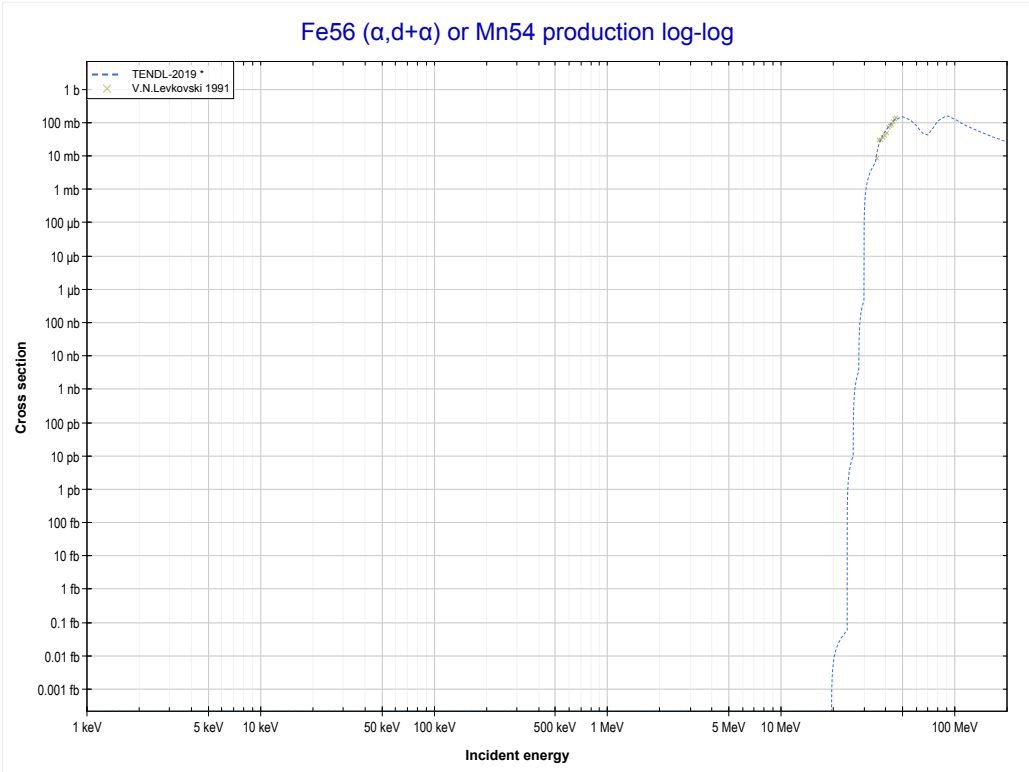
Reaction	Q-Value
Fe56(α,d)Co58	-11470.71 keV
Fe56(α,n+p)Co58	-13695.27 keV

<< 26-Fe-54	26-Fe-56	26-Fe-57 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Co57 production)	MT117 (α,d+α) >>



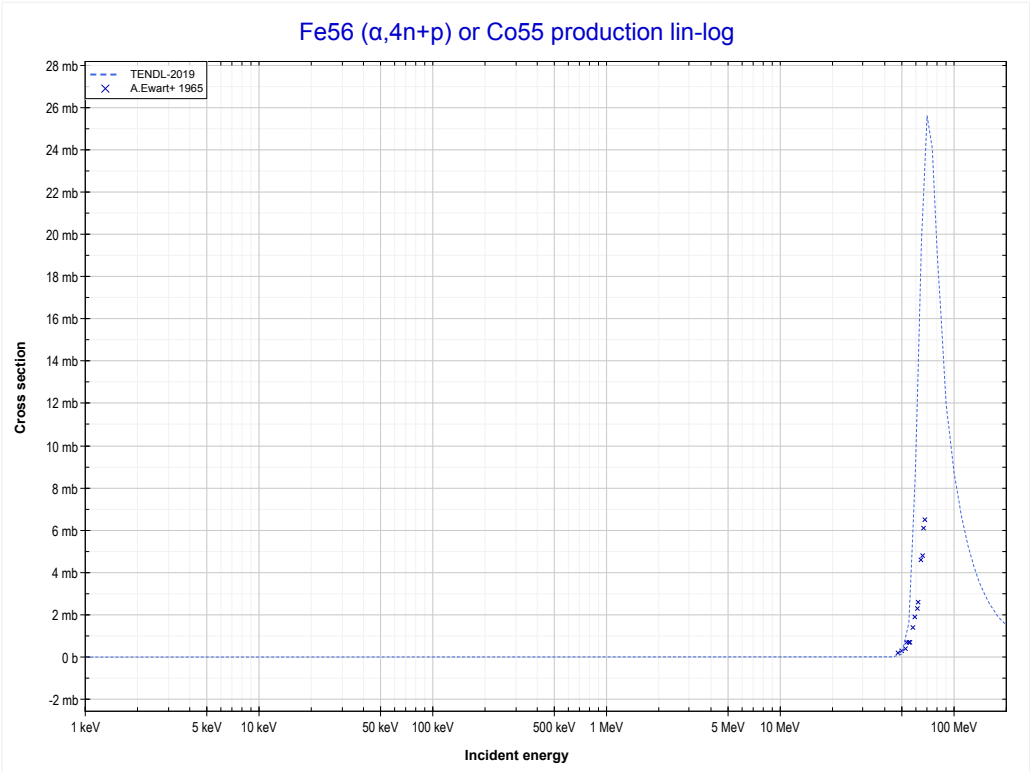
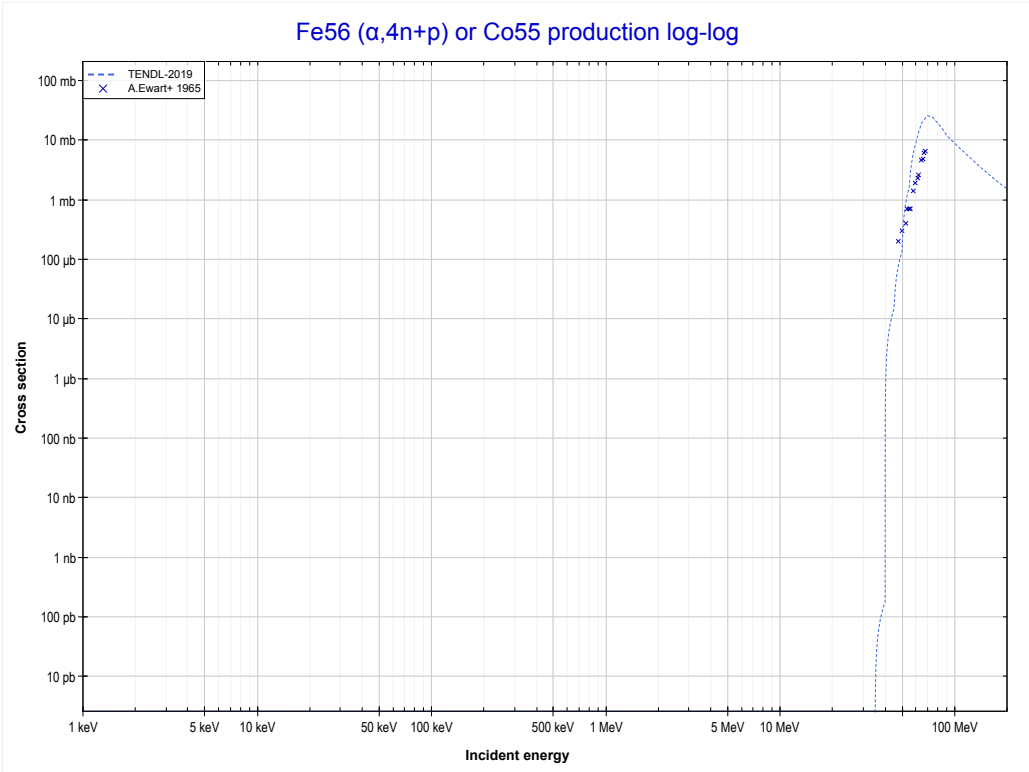
Reaction	Q-Value
Fe56(α,t)Co57	-13786.39 keV
Fe56(α,n+d)Co57	-20043.62 keV
Fe56(α,2n+p)Co57	-22268.19 keV

<< 26-Fe-54	26-Fe-56	28-Ni-58 >>
<< MT105 (α,t)	MT117 (α,d+α) or MT5 (Mn54 production)	MT156 (α,4n+p) >>



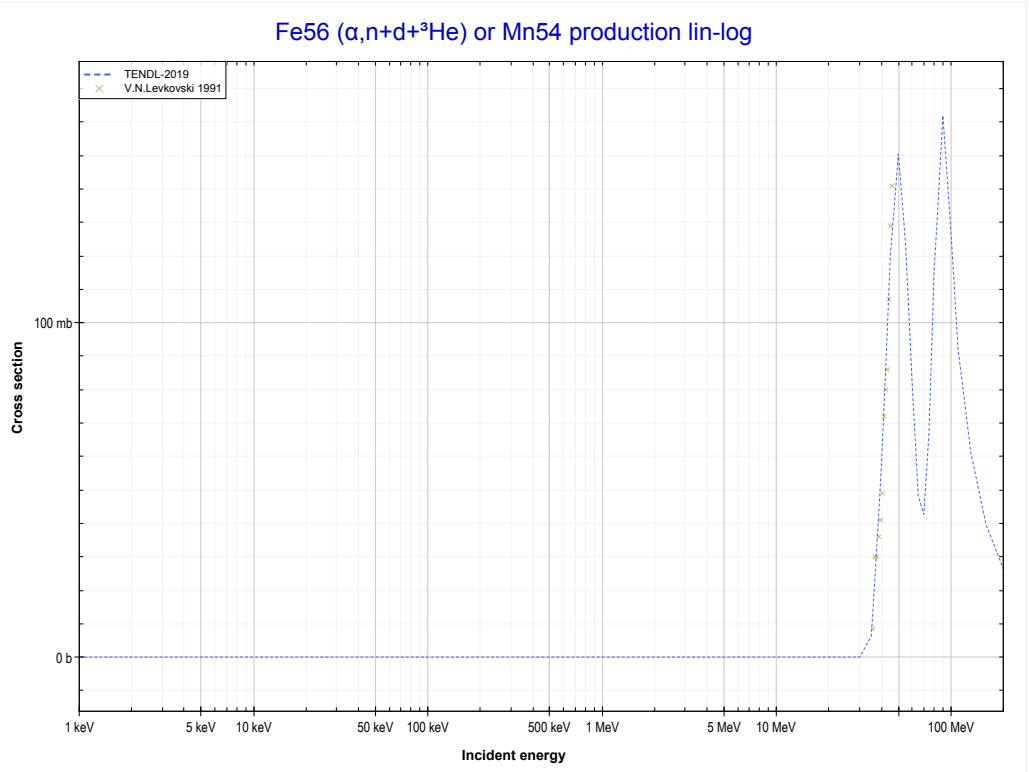
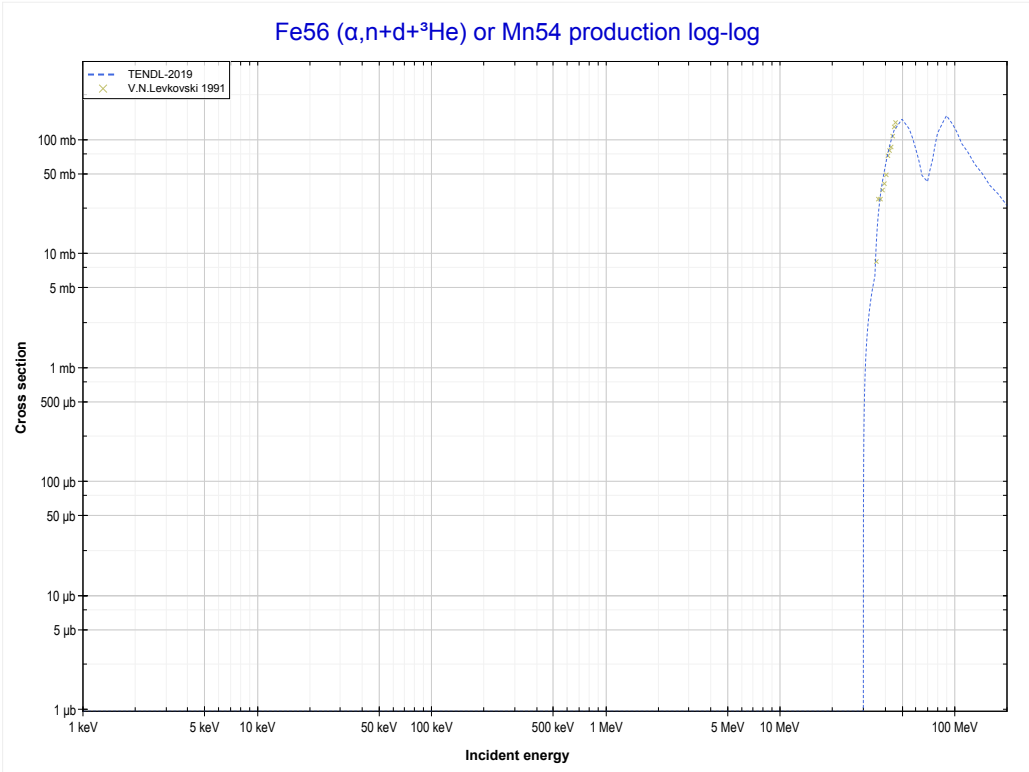
Reaction	Q-Value	Reaction	Q-Value
Fe56(α,d+α)Mn54	-18185.22 keV	Fe56(α,n+p+2d)Mn54	-44256.32 keV
Fe56(α,n+p+α)Mn54	-20409.79 keV	Fe56(α,2n+2p+d)Mn54	-46480.88 keV
Fe56(α,t+He3)Mn54	-32505.61 keV	Fe56(α,3n+3p)Mn54	-48705.45 keV
Fe56(α,p+d+t)Mn54	-37999.09 keV		
Fe56(α,n+d+He3)Mn54	-38762.84 keV		
Fe56(α,n+2p+t)Mn54	-40223.65 keV		
Fe56(α,2n+p+He3)Mn54	-40987.41 keV		
Fe56(α,3d)Mn54	-42031.75 keV		

	26-Fe-56	82-Pb-206 >>
<< MT117 (α,d+α)	MT156 (α,4n+p) or MT5 (Co55 production)	MT187 (α,n+d+³He) >>



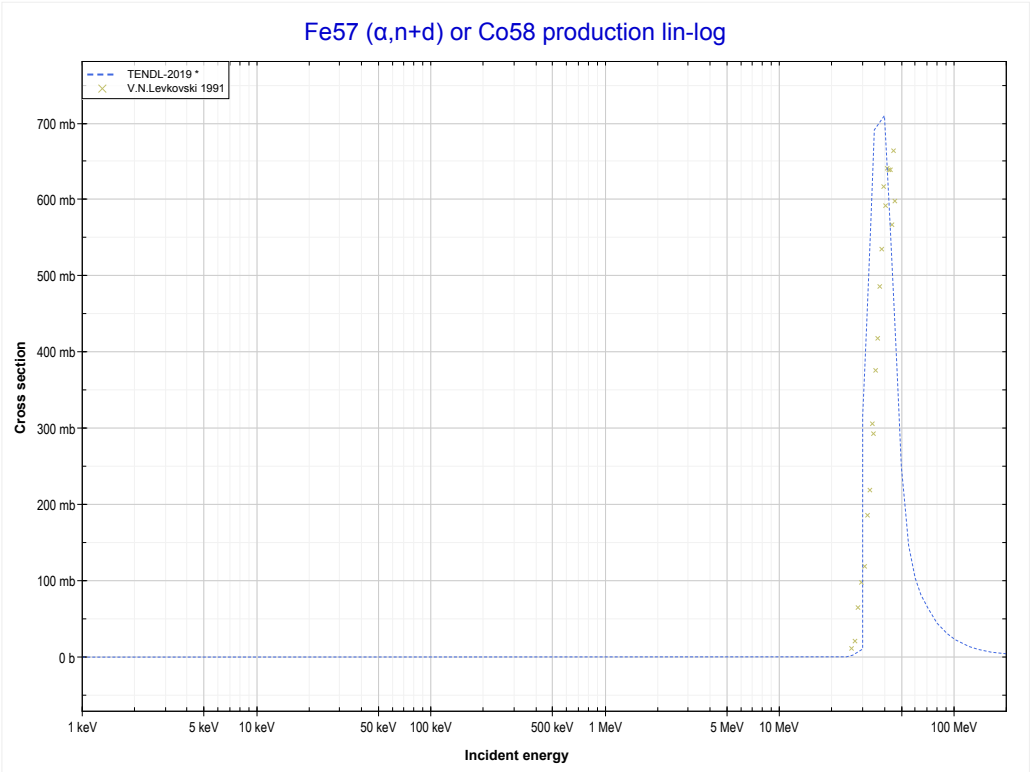
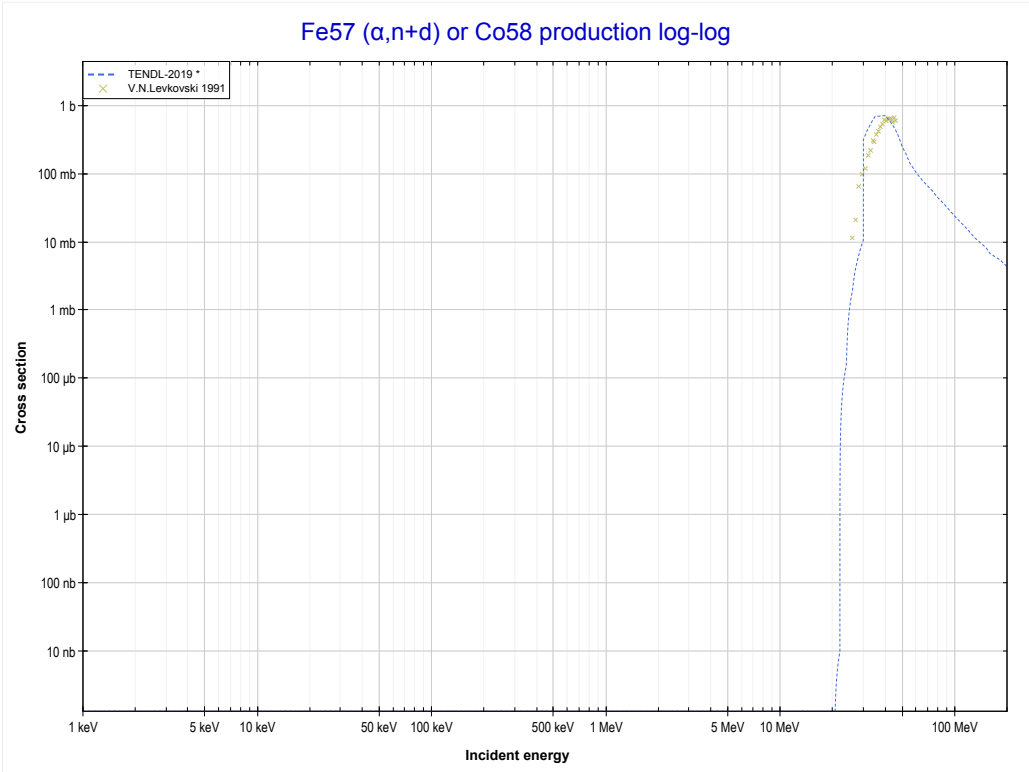
Reaction	Q-Value
Fe56(α,2n+t)Co55	-35244.73 keV
Fe56(α,3n+d)Co55	-41501.96 keV
Fe56(α,4n+p)Co55	-43726.52 keV

<< 26-Fe-54	26-Fe-56	28-Ni-58 >>
<< MT156 (α,4n+p)	MT187 (α,n+d+ ³ He) or MT5 (Mn54 production)	26-Fe-57 MT32 (α,n+d) >>



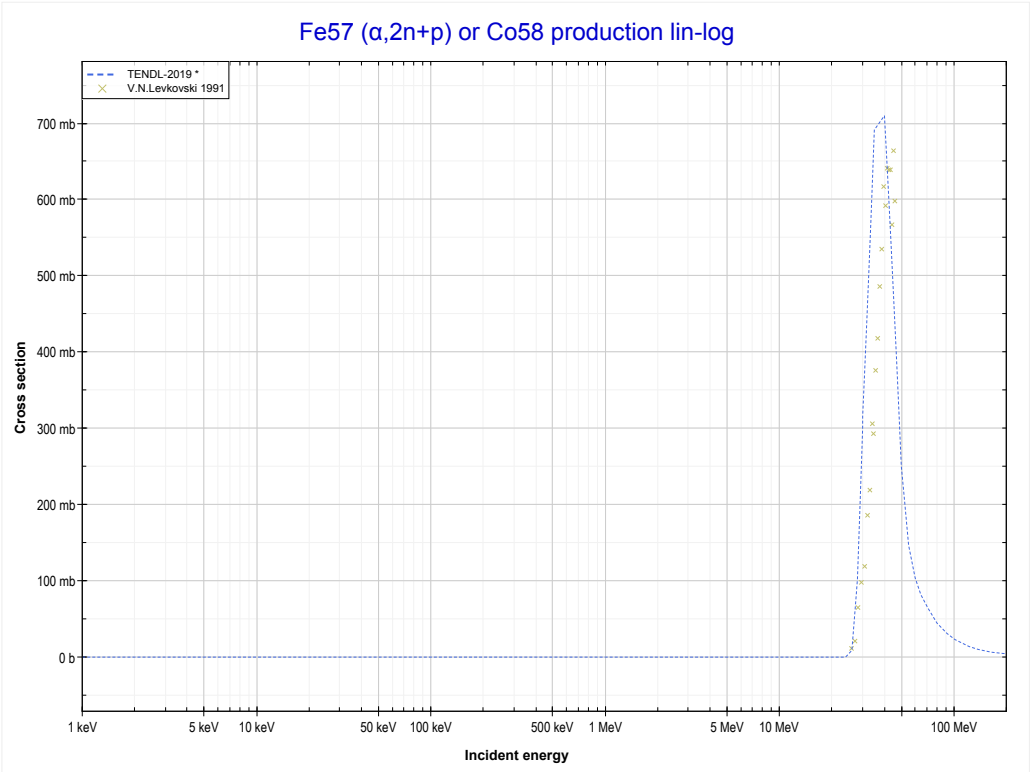
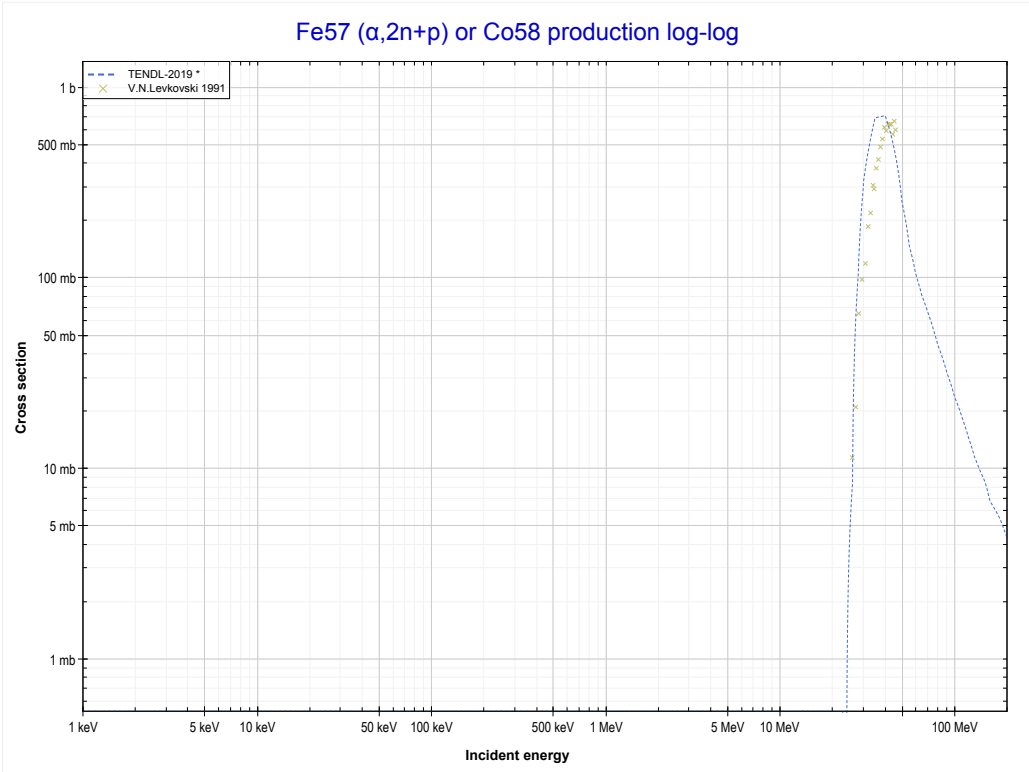
Reaction	Q-Value	Reaction	Q-Value
Fe56(α,d+α)Mn54	-18185.22 keV	Fe56(α,n+p+2d)Mn54	-44256.32 keV
Fe56(α,n+p+α)Mn54	-20409.79 keV	Fe56(α,2n+2p+d)Mn54	-46480.88 keV
Fe56(α,t+He3)Mn54	-32505.61 keV	Fe56(α,3n+3p)Mn54	-48705.45 keV
Fe56(α,p+d+t)Mn54	-37999.09 keV		
Fe56(α,n+d+He3)Mn54	-38762.84 keV		
Fe56(α,n+2p+t)Mn54	-40223.65 keV		
Fe56(α,2n+p+He3)Mn54	-40987.41 keV		
Fe56(α,3d)Mn54	-42031.75 keV		

<< 26-Fe-56	26-Fe-57	28-Ni-60 >>
<< 26-Fe-56 MT187 ($\alpha,n+d+^3\text{He}$)	MT32 ($\alpha,n+d$) or MT5 (Co58 production)	MT41 ($\alpha,2n+p$) >>



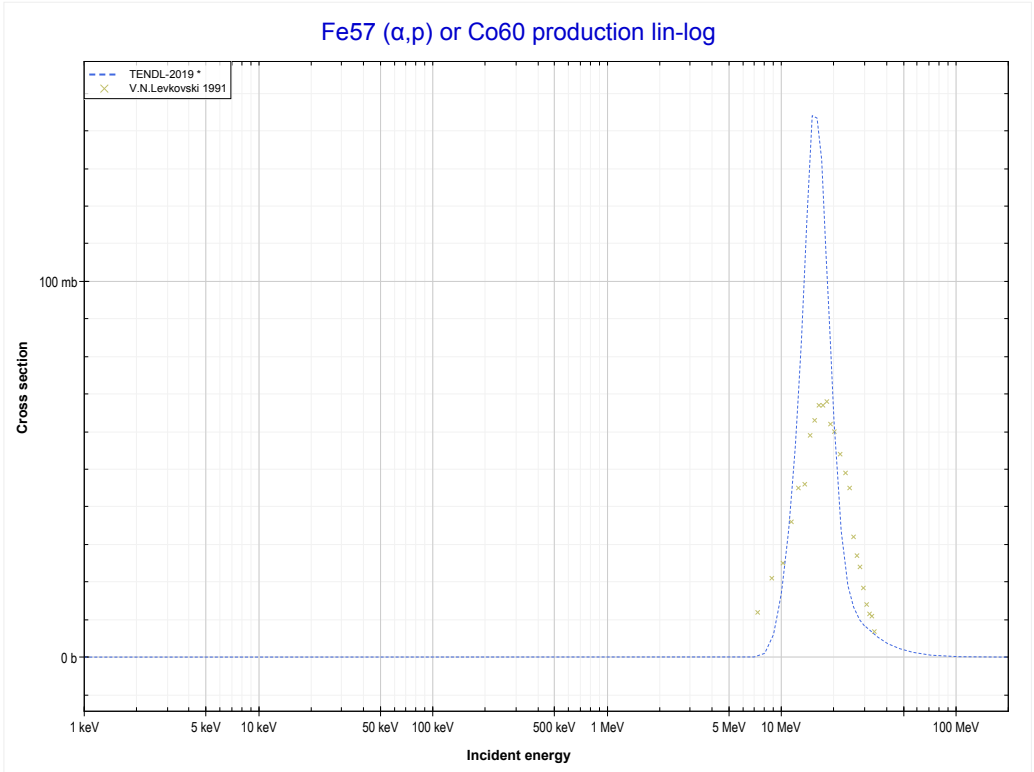
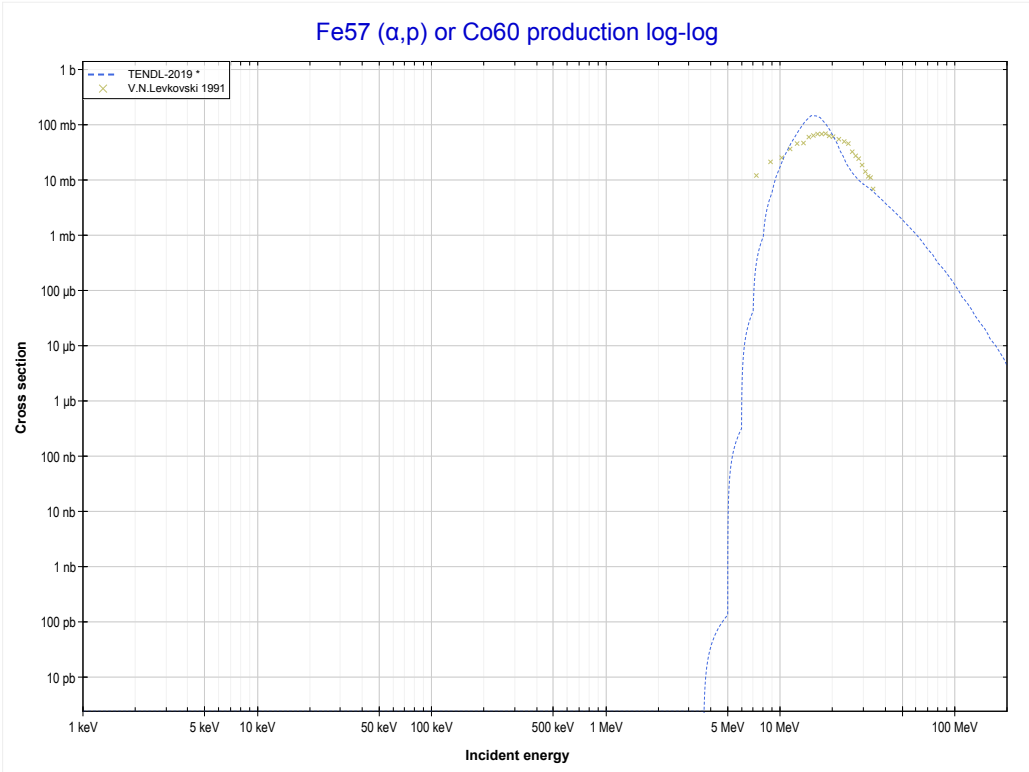
Reaction	Q-Value
Fe57(α,t)Co58	-12859.49 keV
Fe57($\alpha,n+d$)Co58	-19116.72 keV
Fe57($\alpha,2n+p$)Co58	-21341.29 keV

<< 26-Fe-56	26-Fe-57	28-Ni-60 >>
<< MT32 (α ,n+d)	MT41 (α ,2n+p) or MT5 (Co58 production)	MT103 (α ,p) >>



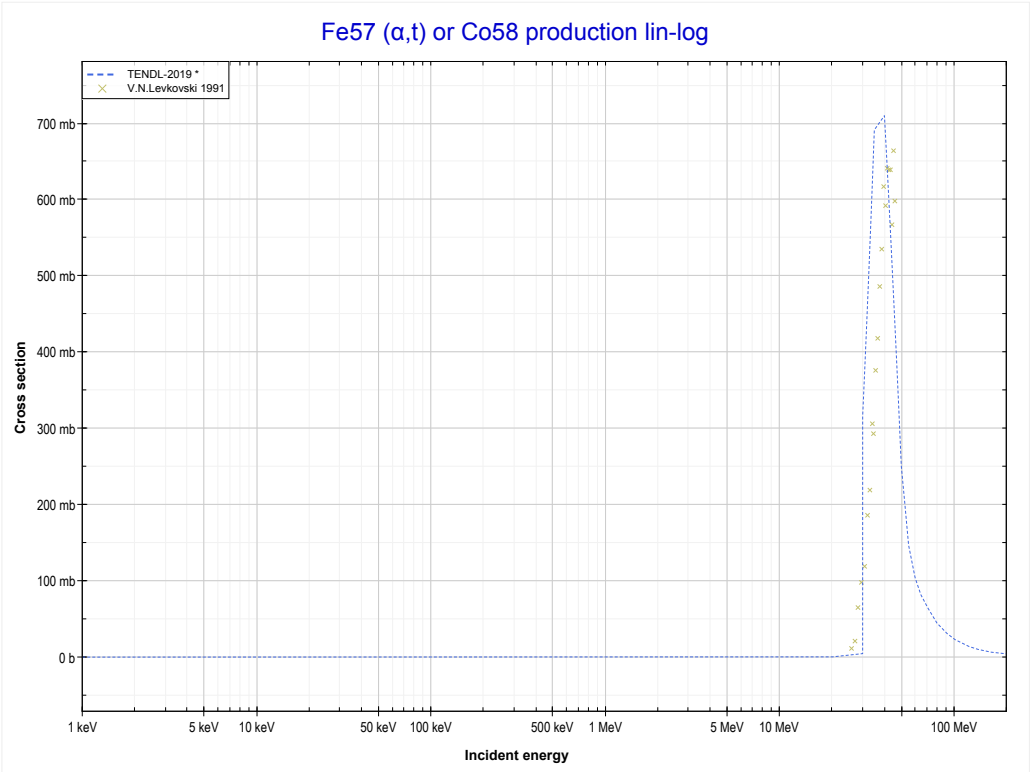
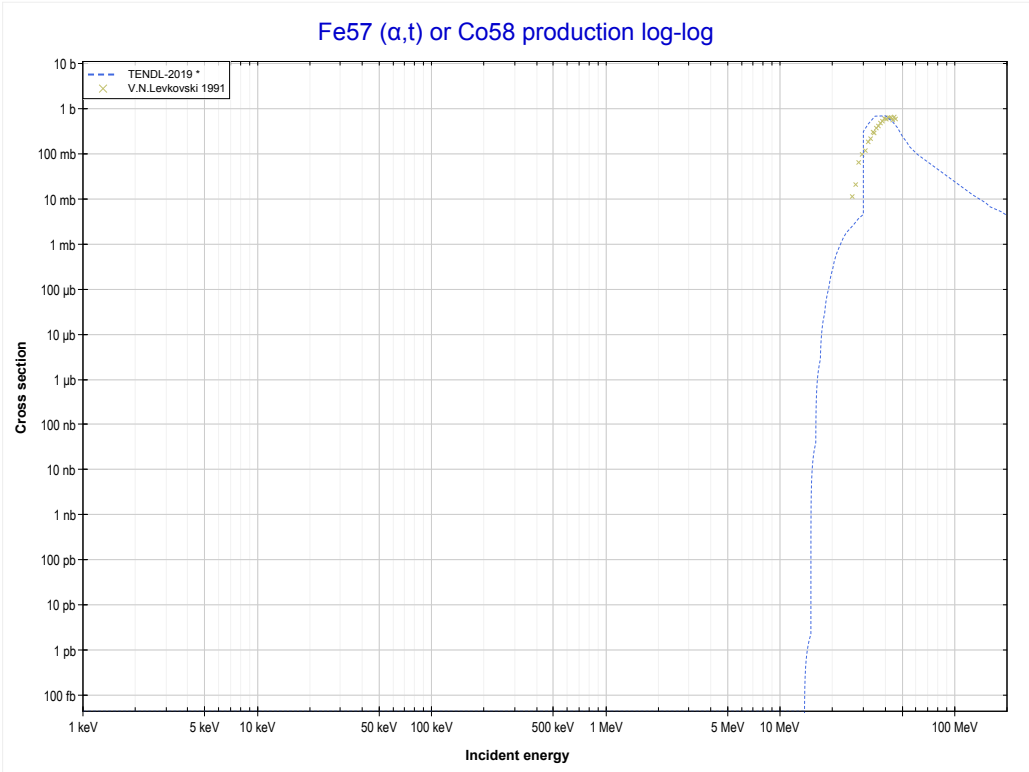
Reaction	Q-Value
Fe57(α ,t)Co58	-12859.49 keV
Fe57(α ,n+d)Co58	-19116.72 keV
Fe57(α ,2n+p)Co58	-21341.29 keV

<< 26-Fe-54	26-Fe-57	26-Fe-58 >>
<< MT41 ($\alpha,2n+p$)	MT103 (α,p) or MT5 (Co60 production)	MT105 (α,t) >>



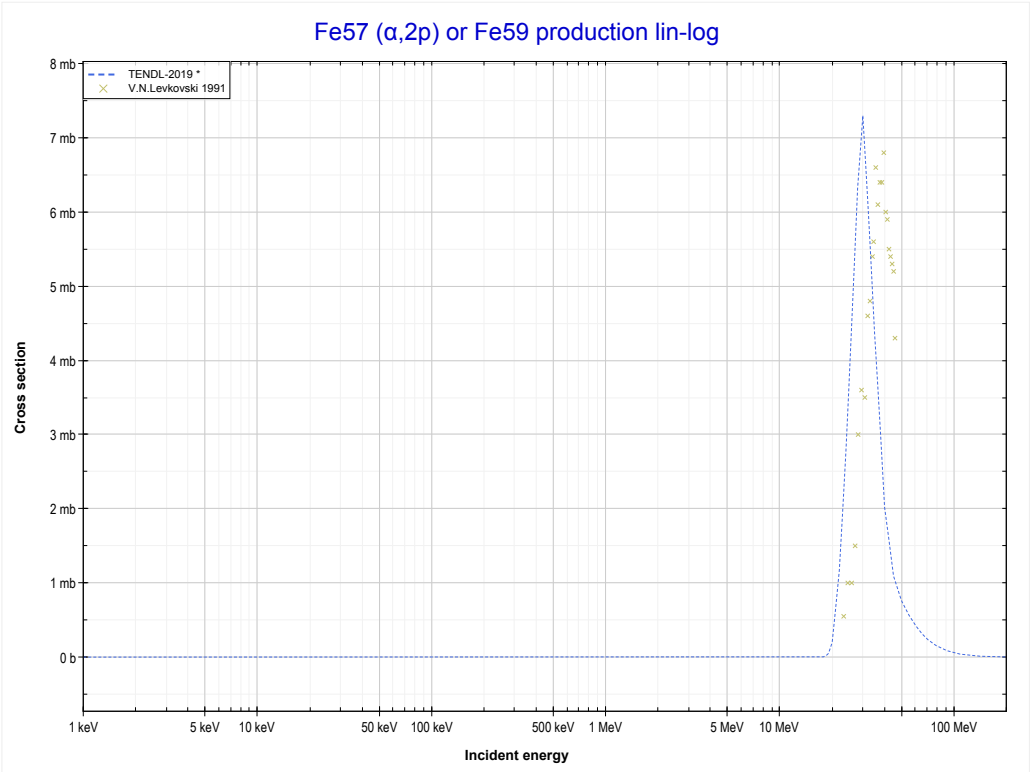
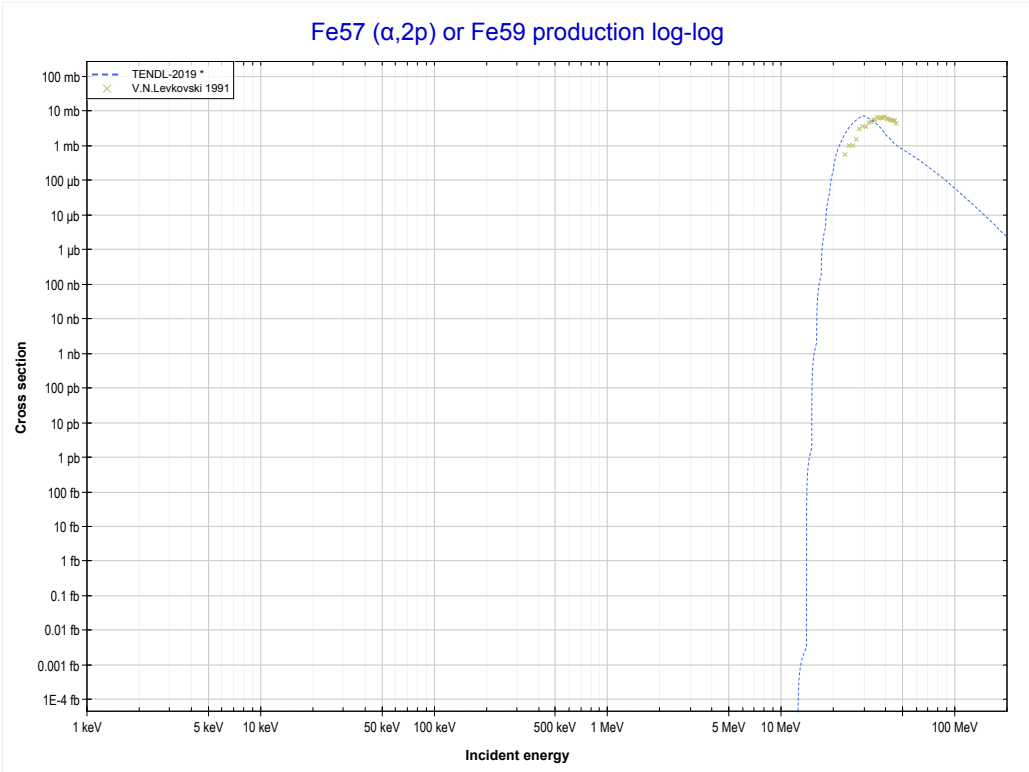
Reaction	Q-Value
Fe57(α,p)Co60	-3395.56 keV

<< 26-Fe-56	26-Fe-57	28-Ni-60 >>
<< MT103 (α,p)	MT105 (α,t) or MT5 (Co58 production)	MT111 (α,2p) >>



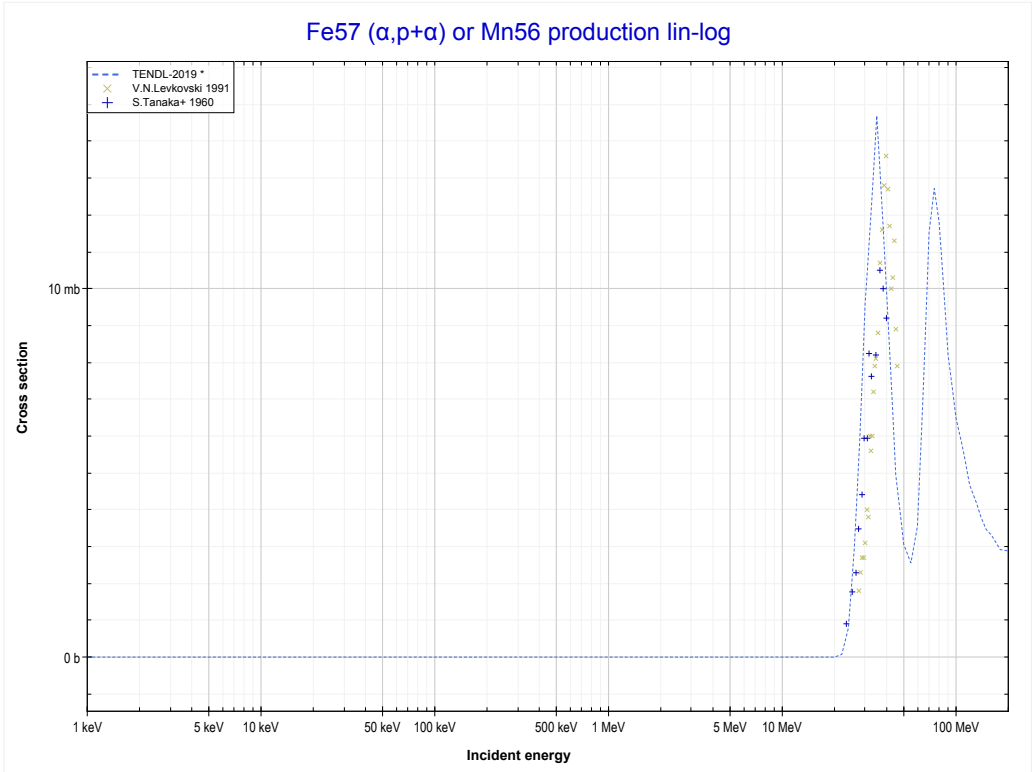
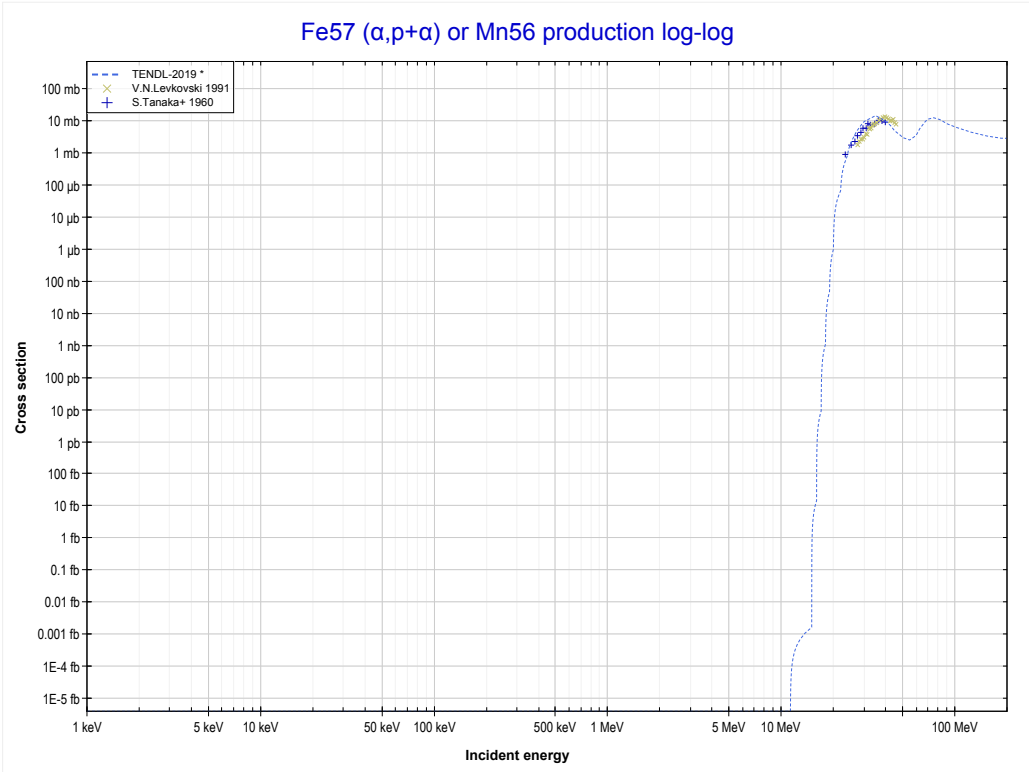
Reaction	Q-Value
Fe57(α,t)Co58	-12859.49 keV
Fe57(α,n+d)Co58	-19116.72 keV
Fe57(α,2n+p)Co58	-21341.29 keV

<< 21-Sc-45	26-Fe-57	27-Co-59 >>
<< MT105 (α,t)	MT111 (α,2p) or MT5 (Fe59 production)	MT112 (α,p+α) >>



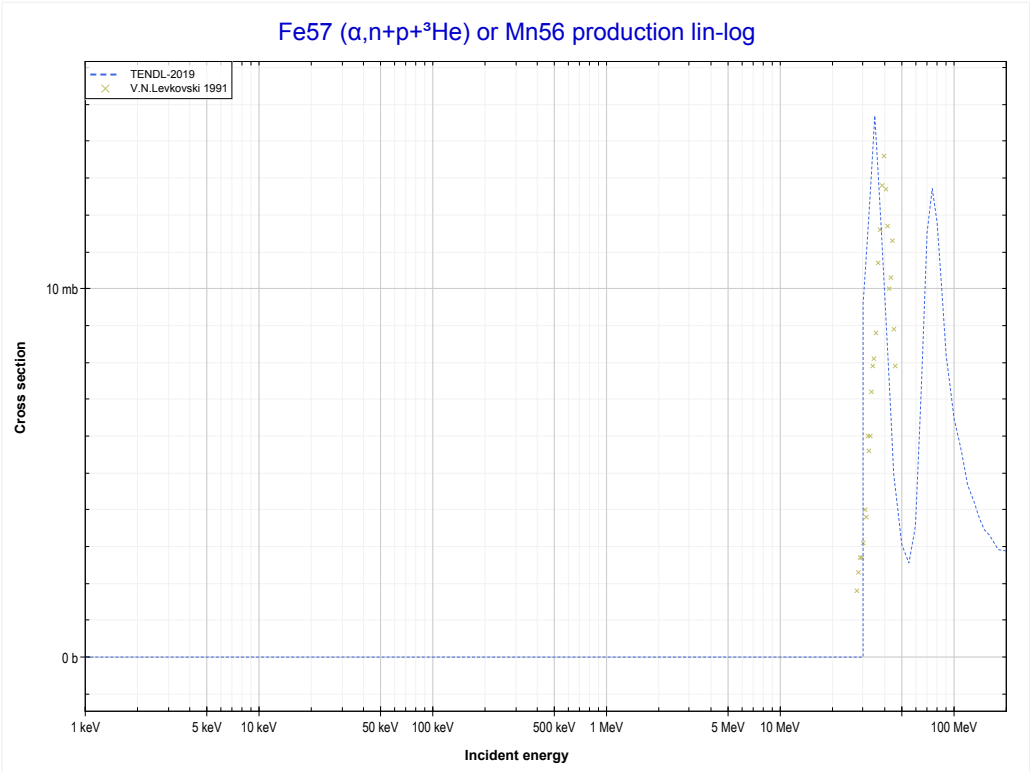
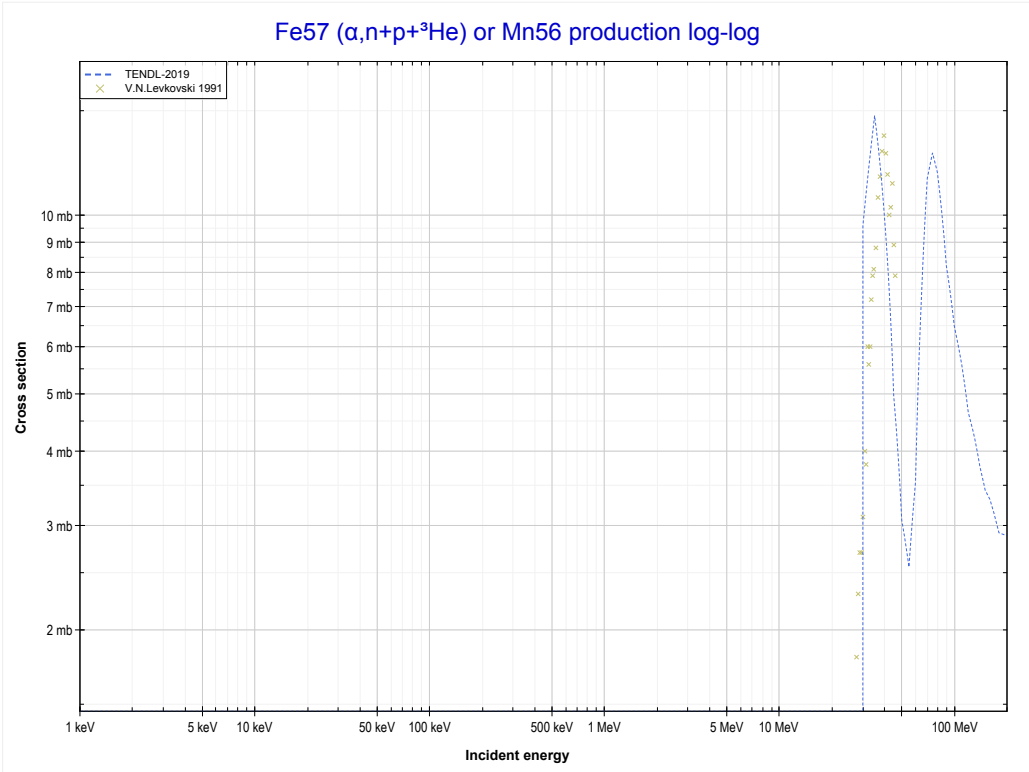
Reaction	Q-Value
Fe57(α,2p)Fe59	-11670.03 keV

<< 22-Ti-49	26-Fe-57	28-Ni-58 >>
<< MT111 ($\alpha,2p$)	MT112 ($\alpha,p+\alpha$) or MT5 (Mn56 production)	MT186 ($\alpha,n+p+^3\text{He}$) >>



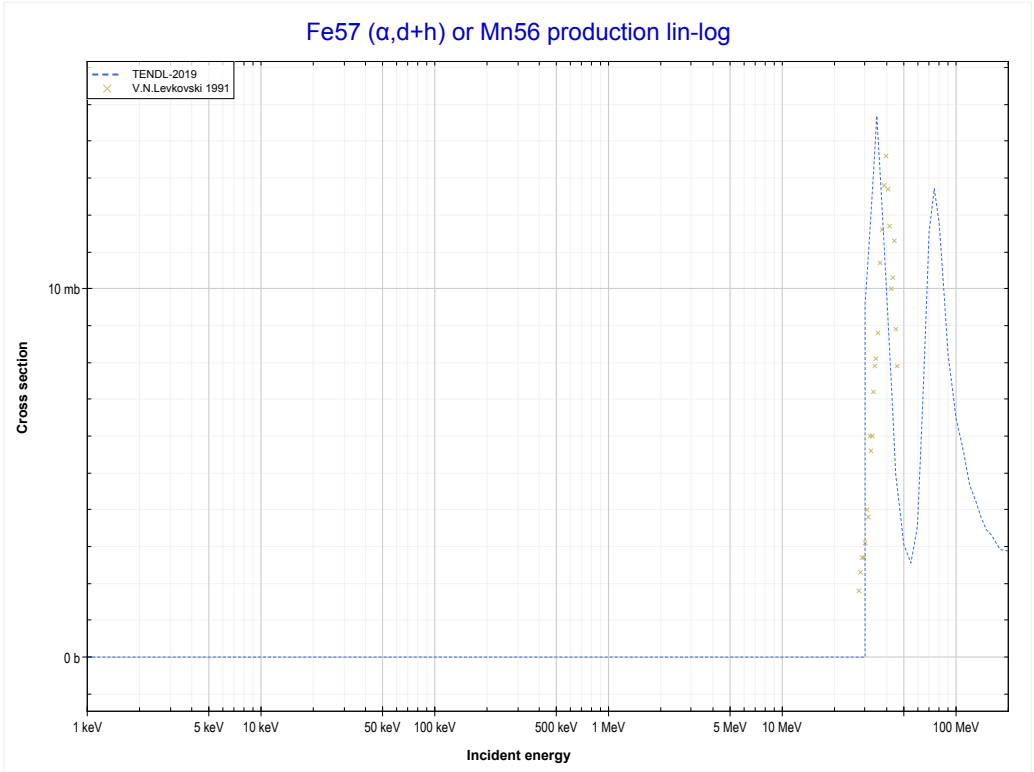
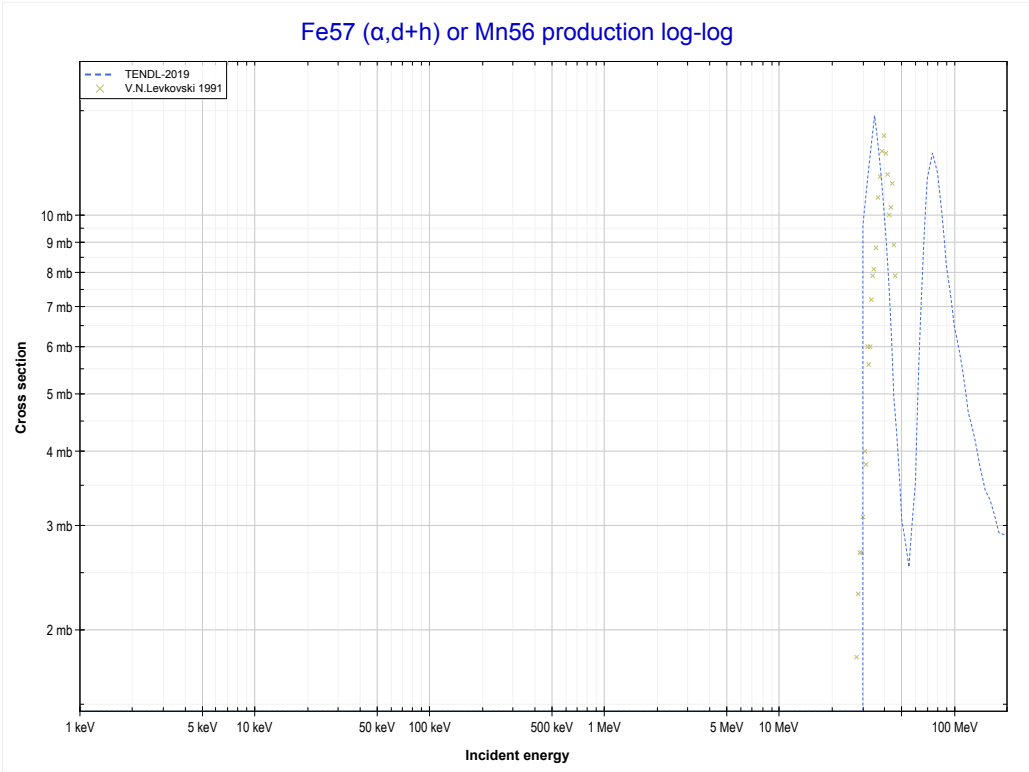
Reaction	Q-Value
Fe57($\alpha,p+\alpha$)Mn56	-10559.27 keV
Fe57($\alpha,d+^3\text{He}$)Mn56	-28912.32 keV
Fe57($\alpha,2p+t$)Mn56	-30373.14 keV
Fe57($\alpha,n+p+^3\text{He}$)Mn56	-31136.89 keV
Fe57($\alpha,p+2d$)Mn56	-34405.80 keV
Fe57($\alpha,n+2p+d$)Mn56	-36630.36 keV
Fe57($\alpha,2n+3p$)Mn56	-38854.93 keV

<< 22-Ti-49	26-Fe-57	28-Ni-58 >>
<< MT112 (α ,p+ α)	MT186 (α ,n+p+ ^3He) or MT5 (Mn56 production)	MT192 (α ,d+ ^3He) >>



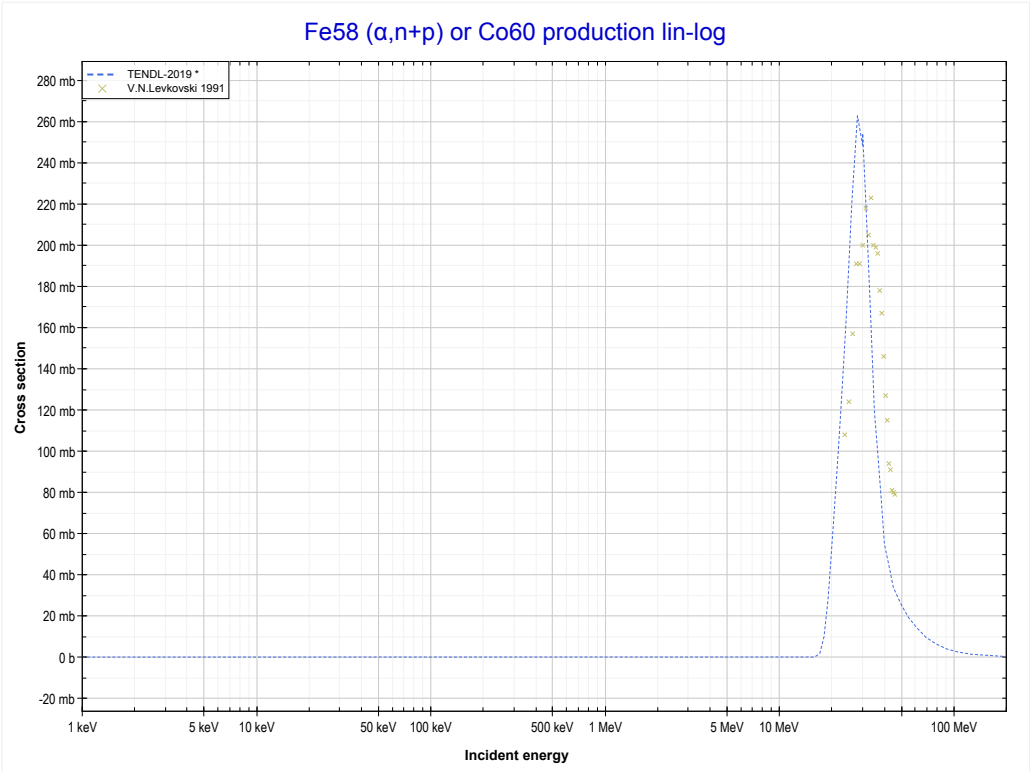
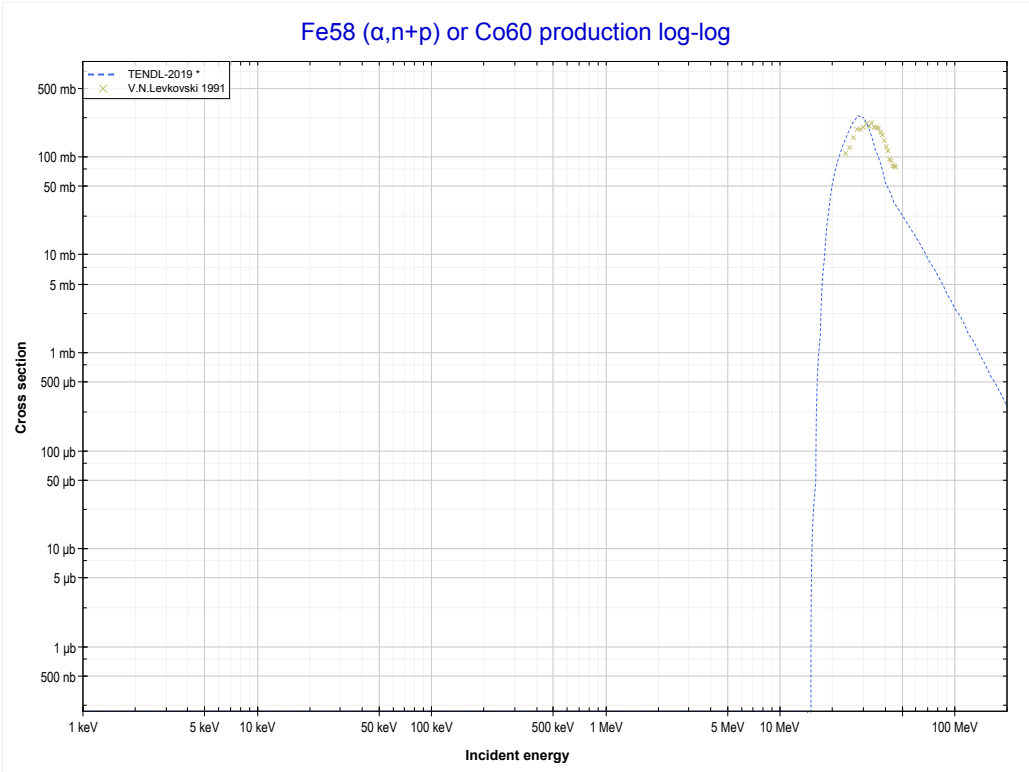
Reaction	Q-Value
Fe57(α ,p+ α)Mn56	-10559.27 keV
Fe57(α ,d+ ^3He)Mn56	-28912.32 keV
Fe57(α ,2p+t)Mn56	-30373.14 keV
Fe57(α ,n+p+ ^3He)Mn56	-31136.89 keV
Fe57(α ,p+2d)Mn56	-34405.80 keV
Fe57(α ,n+2p+d)Mn56	-36630.36 keV
Fe57(α ,2n+3p)Mn56	-38854.93 keV

<< 22-Ti-49	26-Fe-57	28-Ni-58 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT192 ($\alpha,d+^3\text{He}$) or MT5 (Mn56 production)	26-Fe-58 MT28 ($\alpha,n+p$) >>



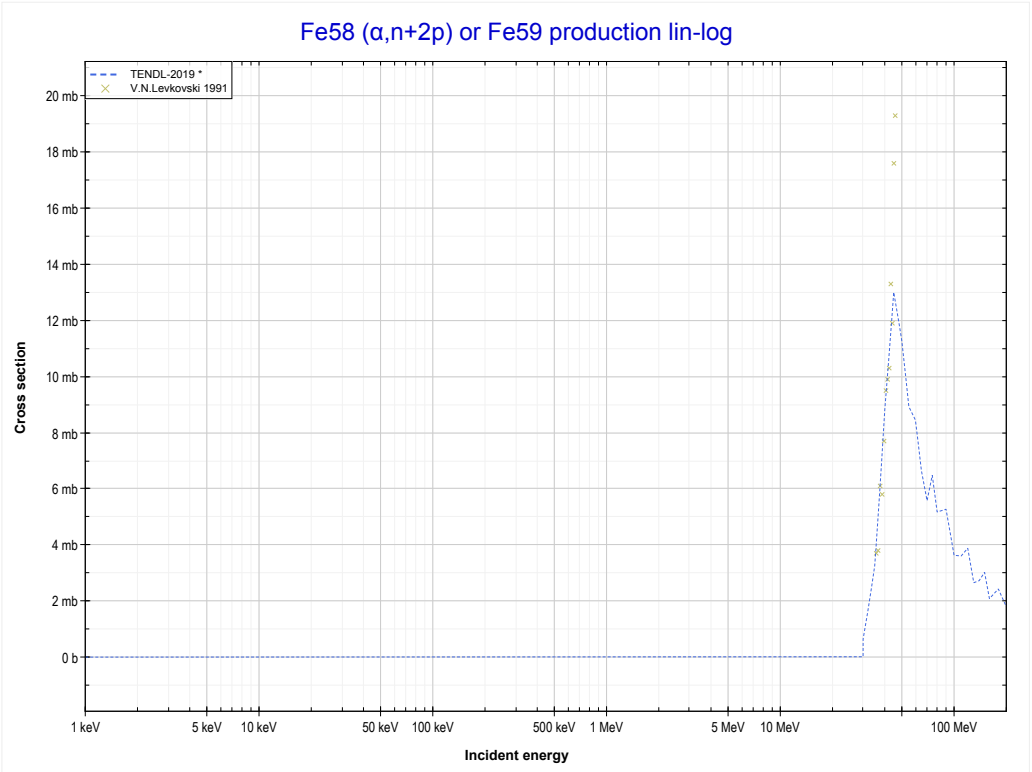
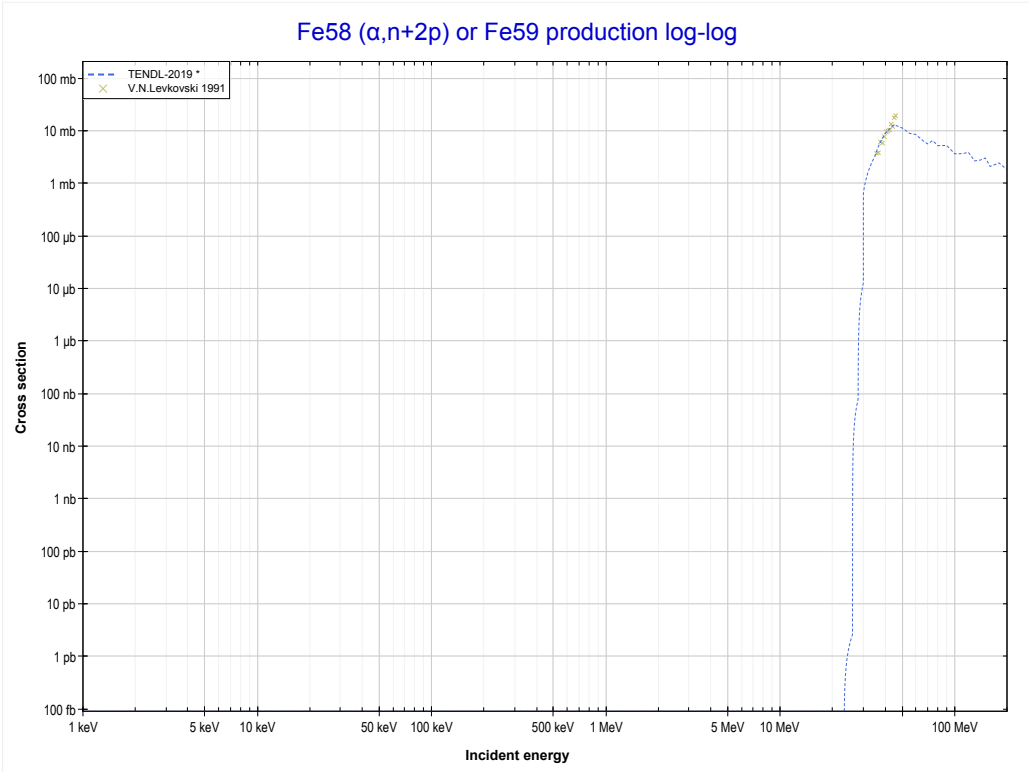
Reaction	Q-Value
Fe57($\alpha,p+\alpha$)Mn56	-10559.27 keV
Fe57($\alpha,d+^3\text{He}$)Mn56	-28912.32 keV
Fe57($\alpha,2p+t$)Mn56	-30373.14 keV
Fe57($\alpha,n+p+^3\text{He}$)Mn56	-31136.89 keV
Fe57($\alpha,p+2d$)Mn56	-34405.80 keV
Fe57($\alpha,n+2p+d$)Mn56	-36630.36 keV
Fe57($\alpha,2n+3p$)Mn56	-38854.93 keV

<< 26-Fe-56	26-Fe-58	28-Ni-58 >>
<< 26-Fe-57 MT192 (α ,d+ ^3He)	MT28 (α ,n+p) or MT5 (Co60 production)	MT44 (α ,n+2p) >>



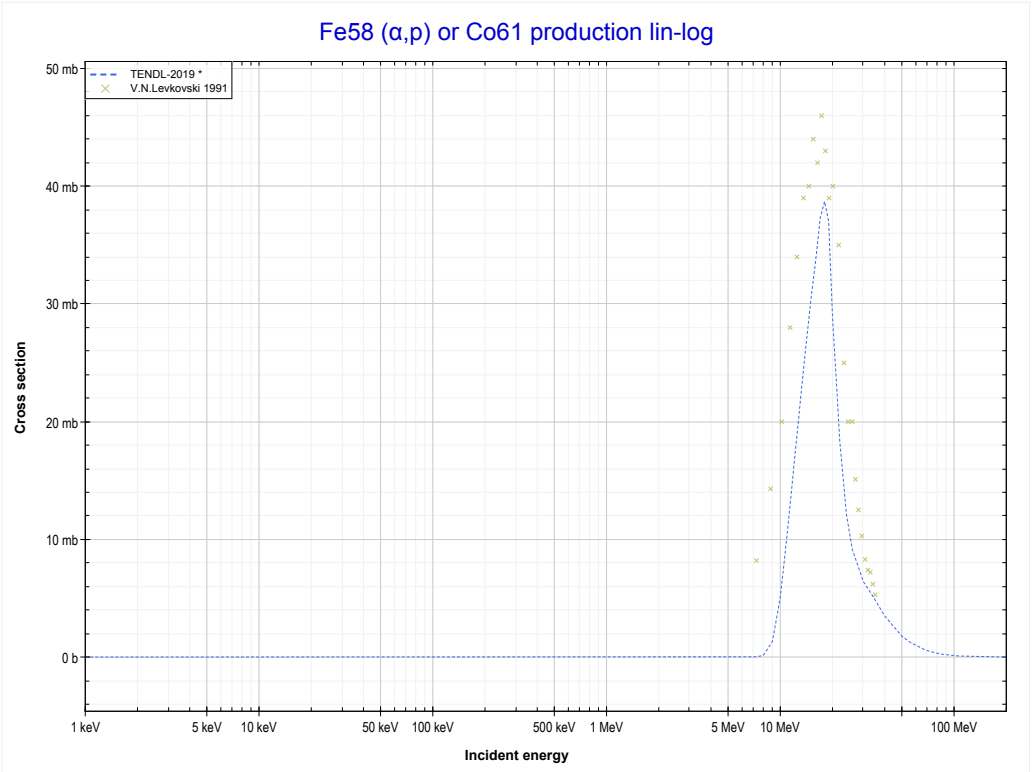
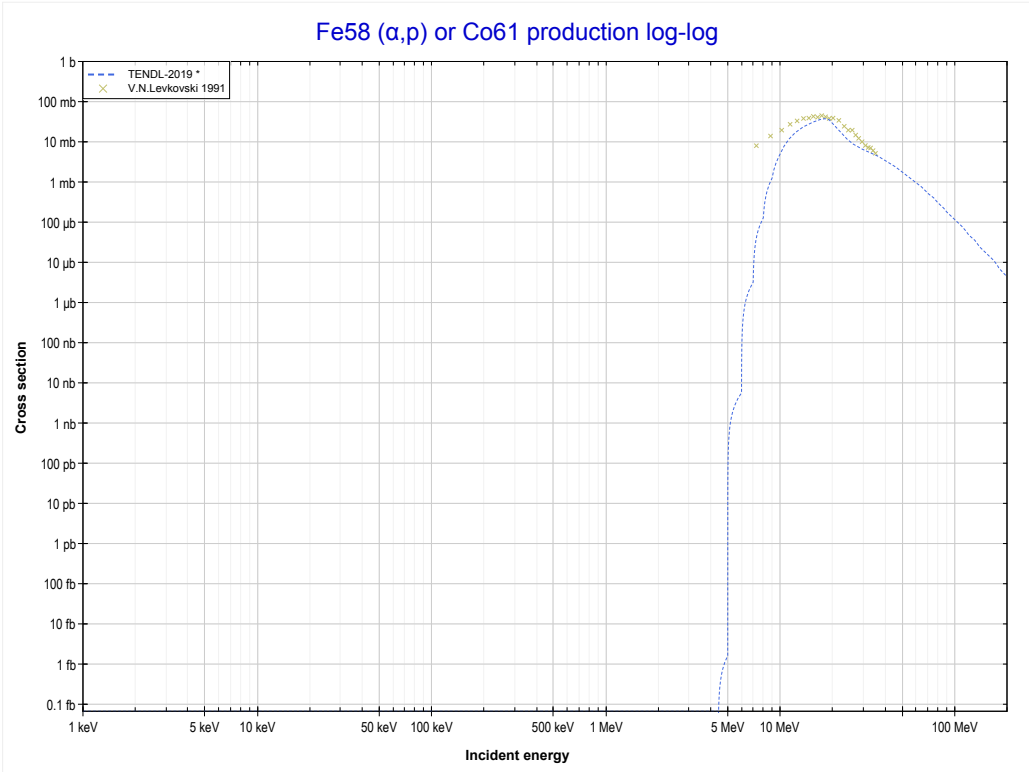
Reaction	Q-Value
Fe58(α ,d)Co60	-11215.61 keV
Fe58(α ,n+p)Co60	-13440.17 keV

<< 26-Fe-54	26-Fe-58	27-Co-59 >>
<< MT28 (α,n+p)	MT44 (α,n+2p) or MT5 (Fe59 production)	MT103 (α,p) >>



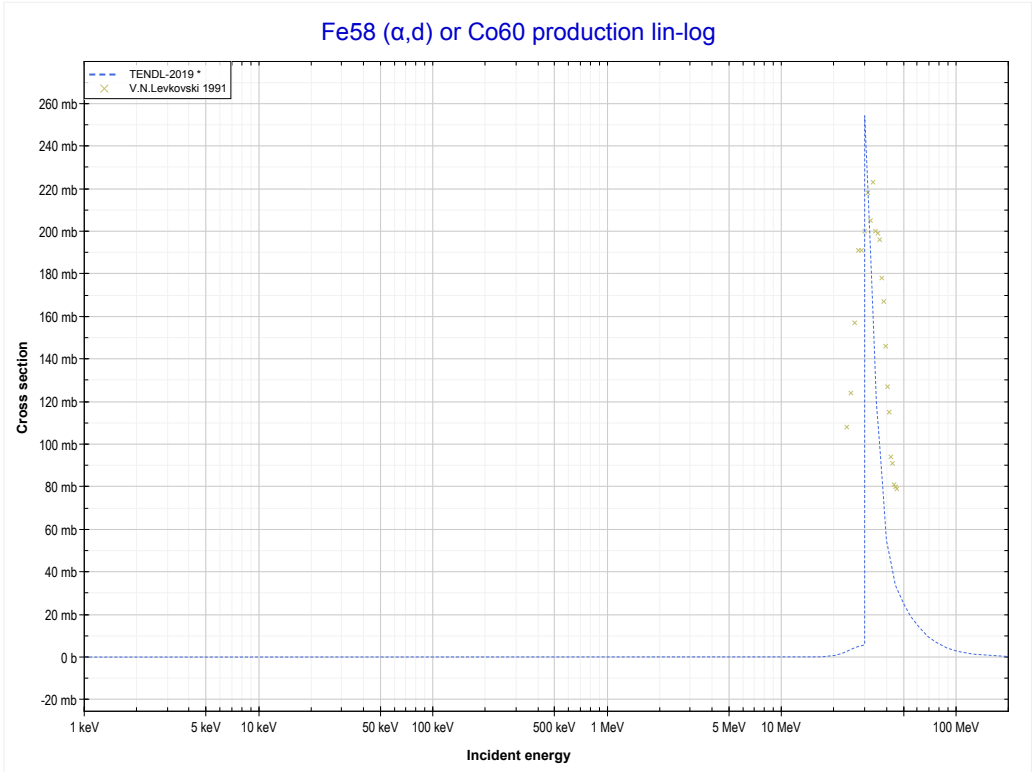
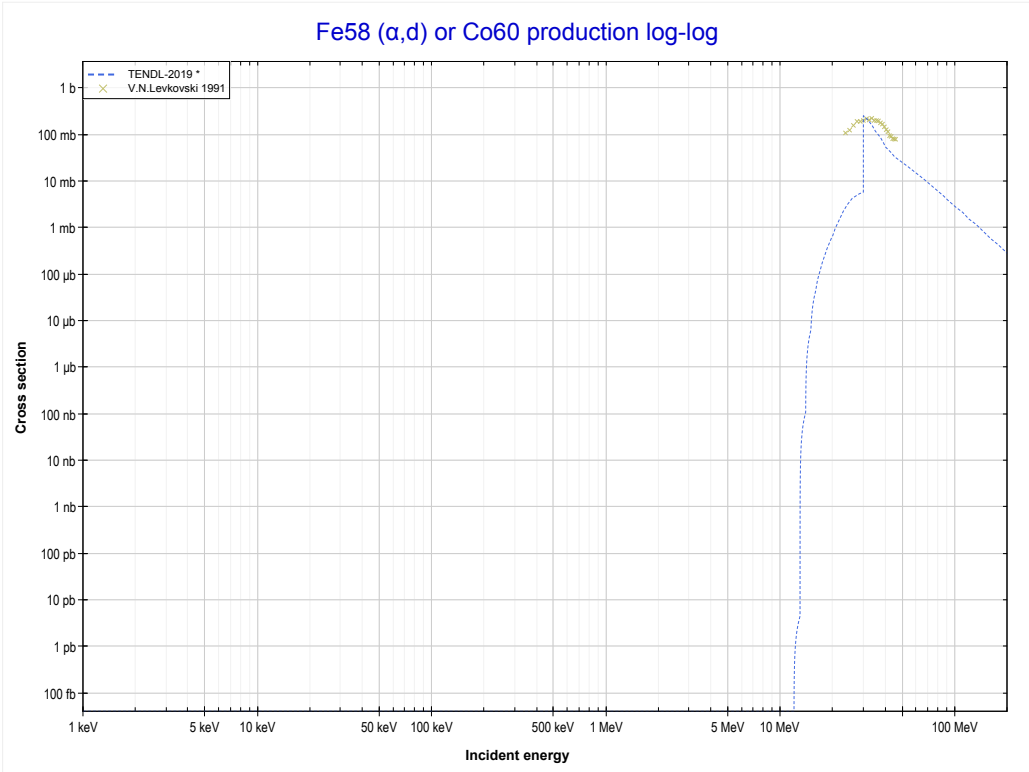
Reaction	Q-Value
Fe58(α,He3)Fe59	-13996.60 keV
Fe58(α,p+d)Fe59	-19490.08 keV
Fe58(α,n+2p)Fe59	-21714.64 keV

<< 26-Fe-57	26-Fe-58	28-Ni-58 >>
<< MT44 (α,n+2p)	MT103 (α,p) or MT5 (Co61 production)	MT104 (α,d) >>



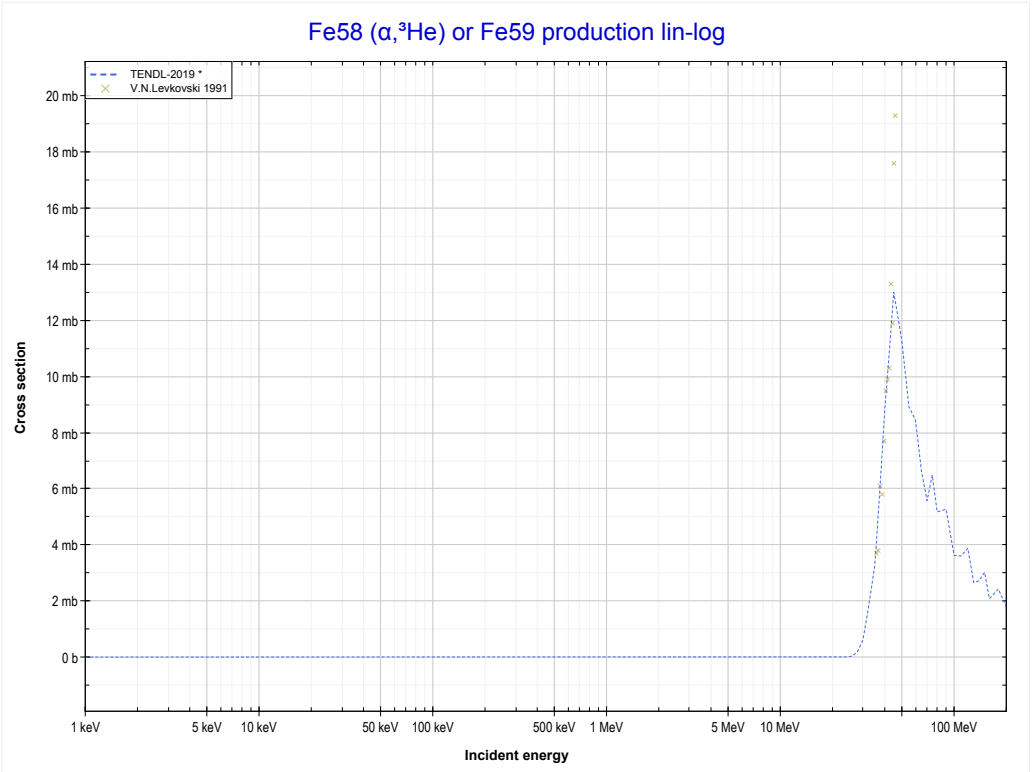
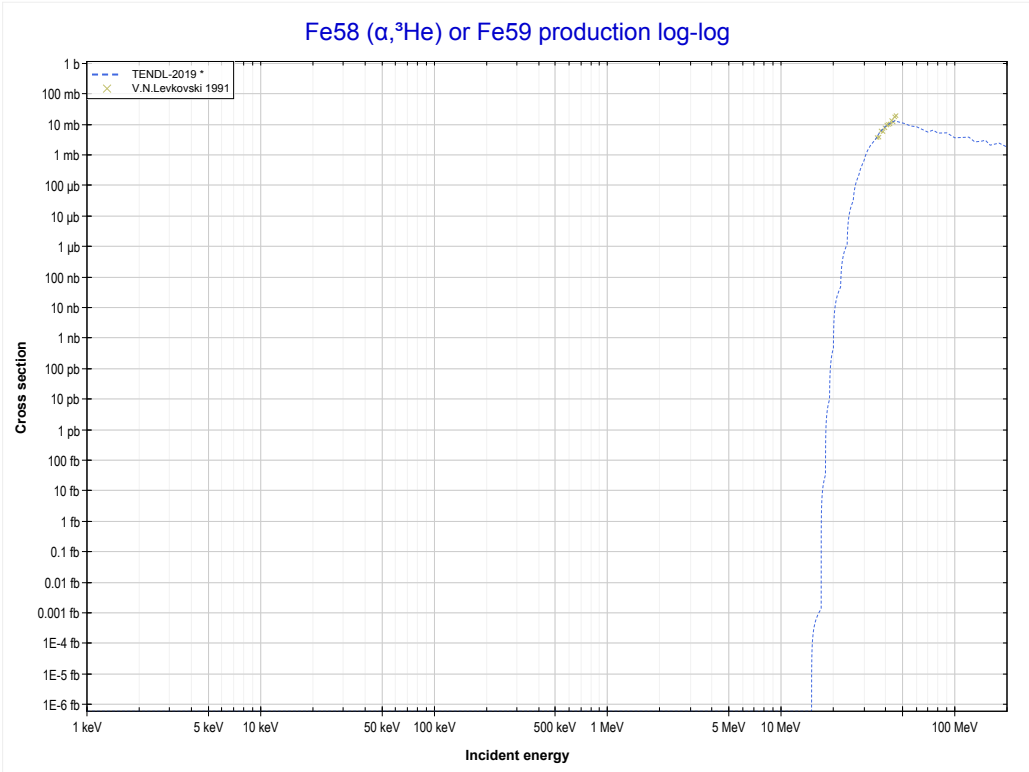
Reaction	Q-Value
Fe58(α,p)Co61	-4121.06 keV

<< 26-Fe-56	26-Fe-58	28-Ni-58 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Co60 production)	MT106 (α, ³ He) >>



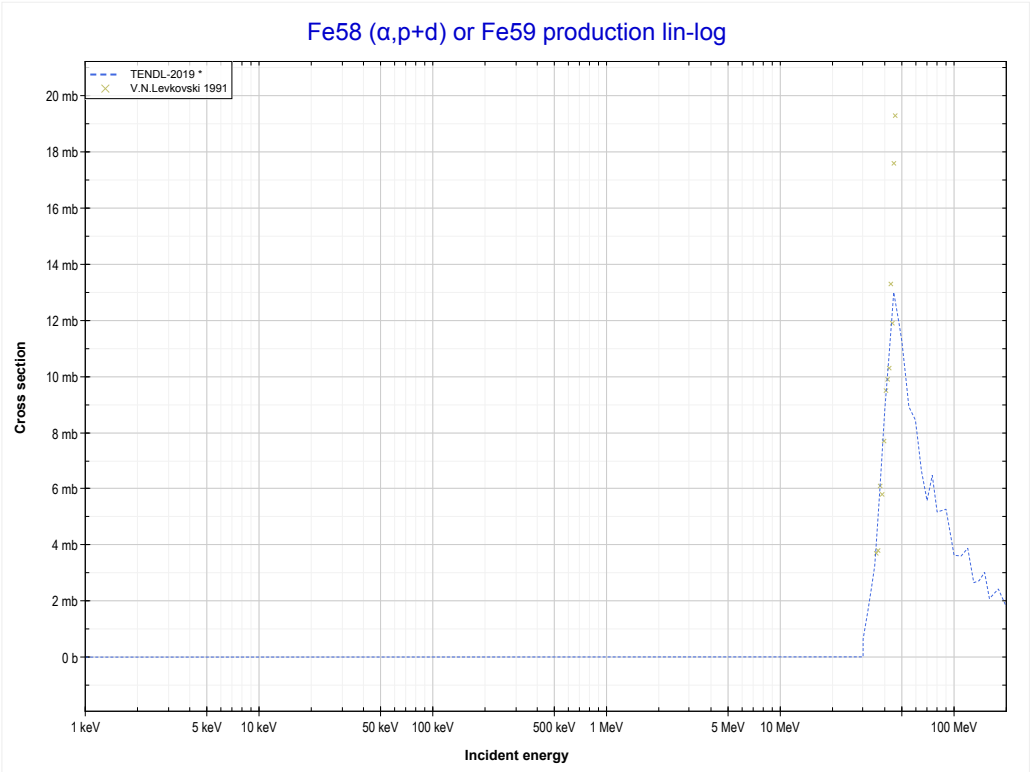
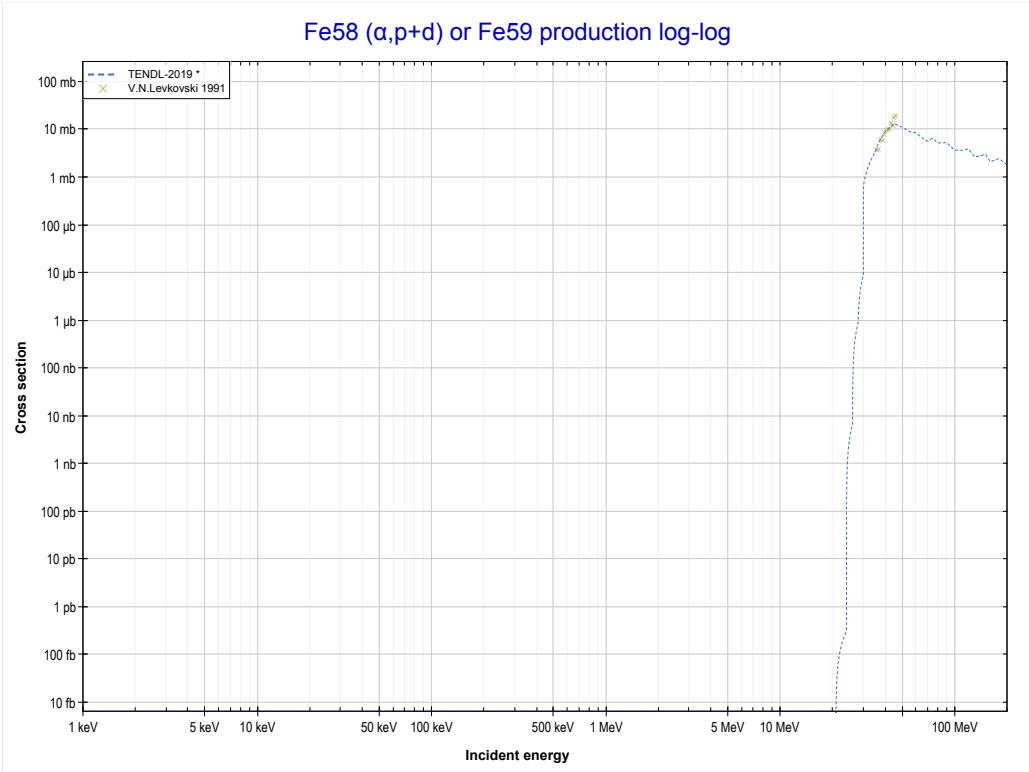
Reaction	Q-Value
Fe58(α,d)Co60	-11215.61 keV
Fe58(α,n+p)Co60	-13440.17 keV

<< 25-Mn-55	26-Fe-58	27-Co-59 >>
<< MT104 (α,d)	MT106 (α, ³ He) or MT5 (Fe59 production)	MT115 (α,p+d) >>



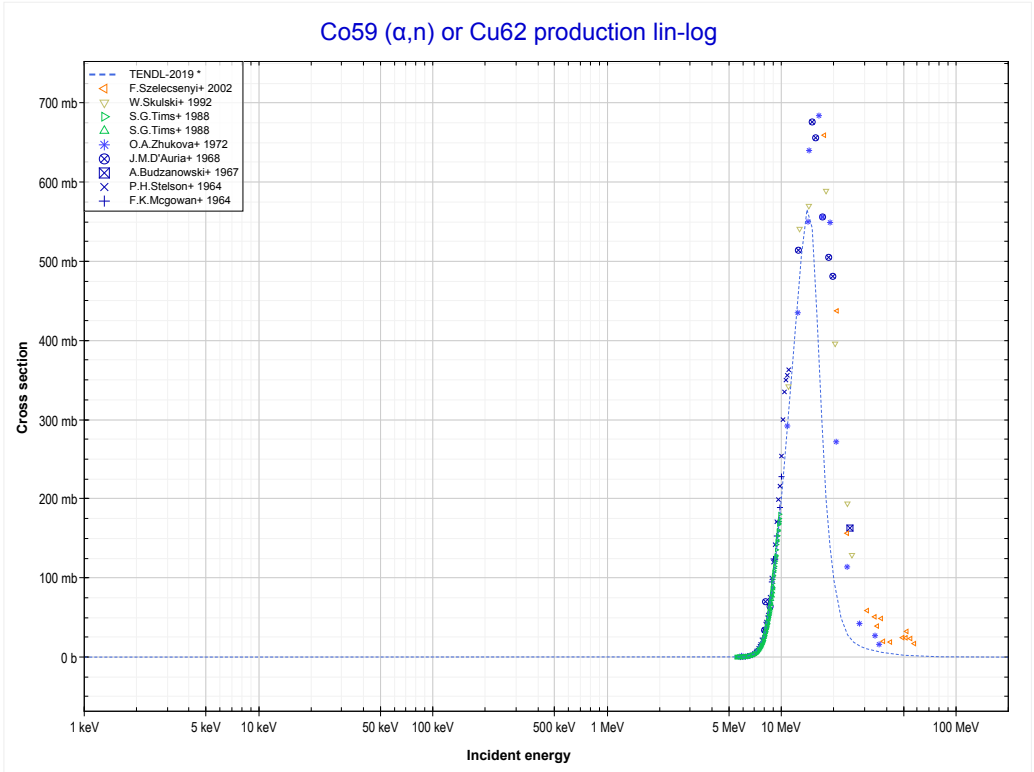
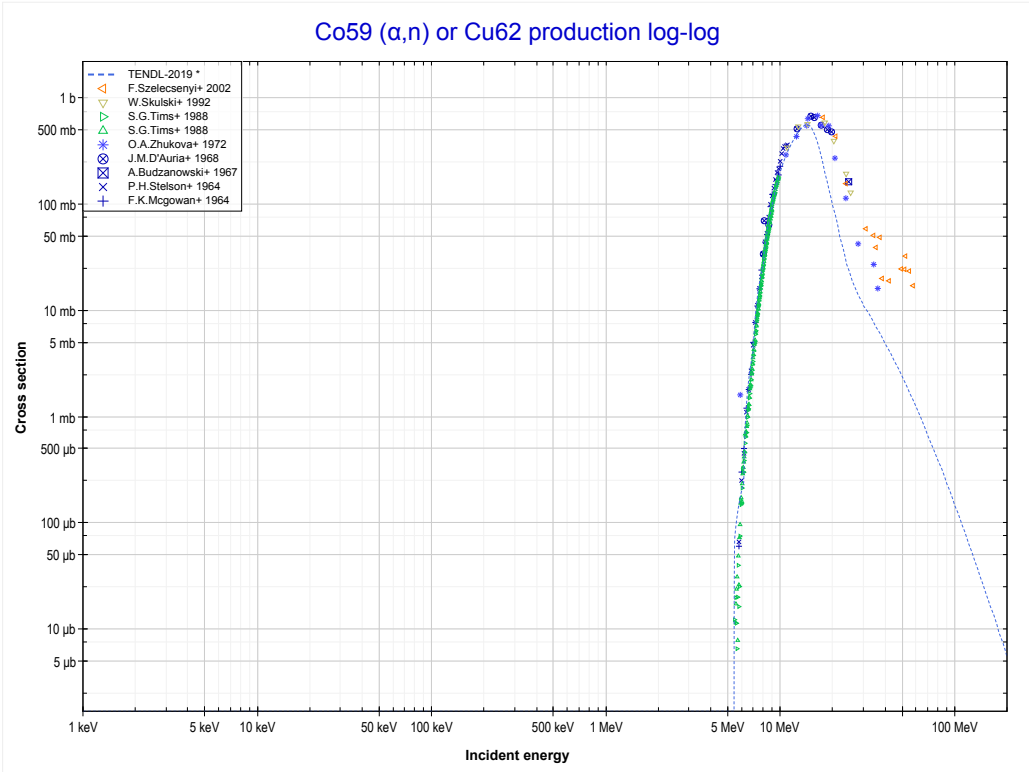
Reaction	Q-Value
Fe58(α,He3)Fe59	-13996.60 keV
Fe58(α,p+d)Fe59	-19490.08 keV
Fe58(α,n+2p)Fe59	-21714.64 keV

<< 25-Mn-55	26-Fe-58	27-Co-59 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Fe59 production)	27-Co-59 MT4 (α ,n) >>



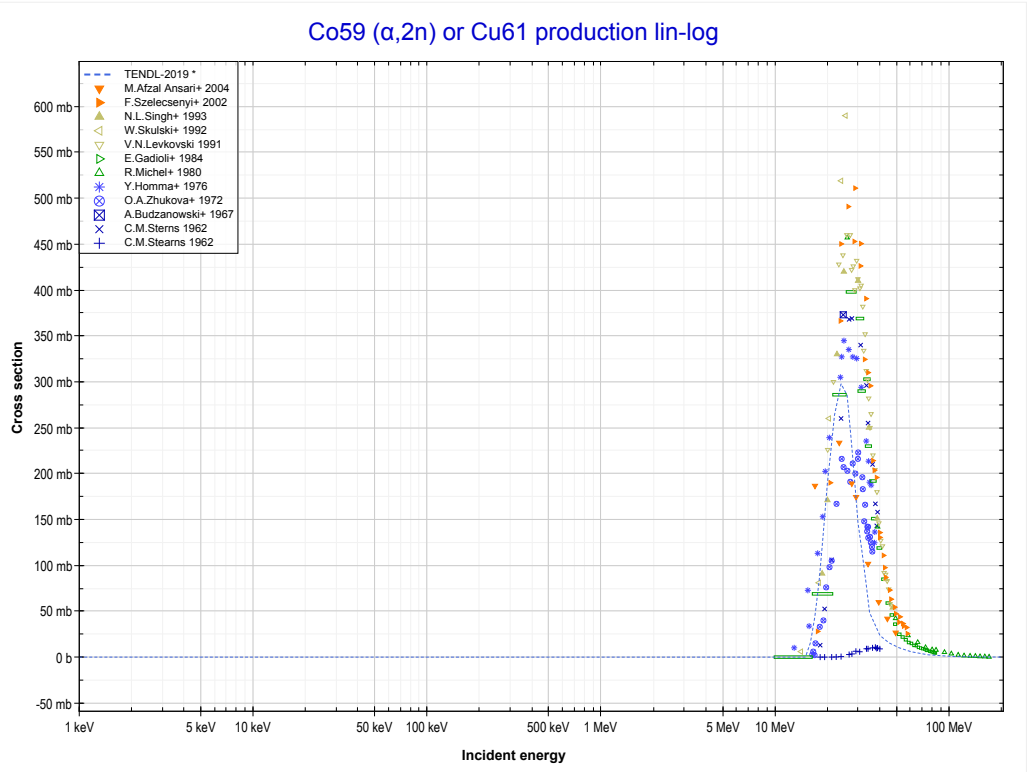
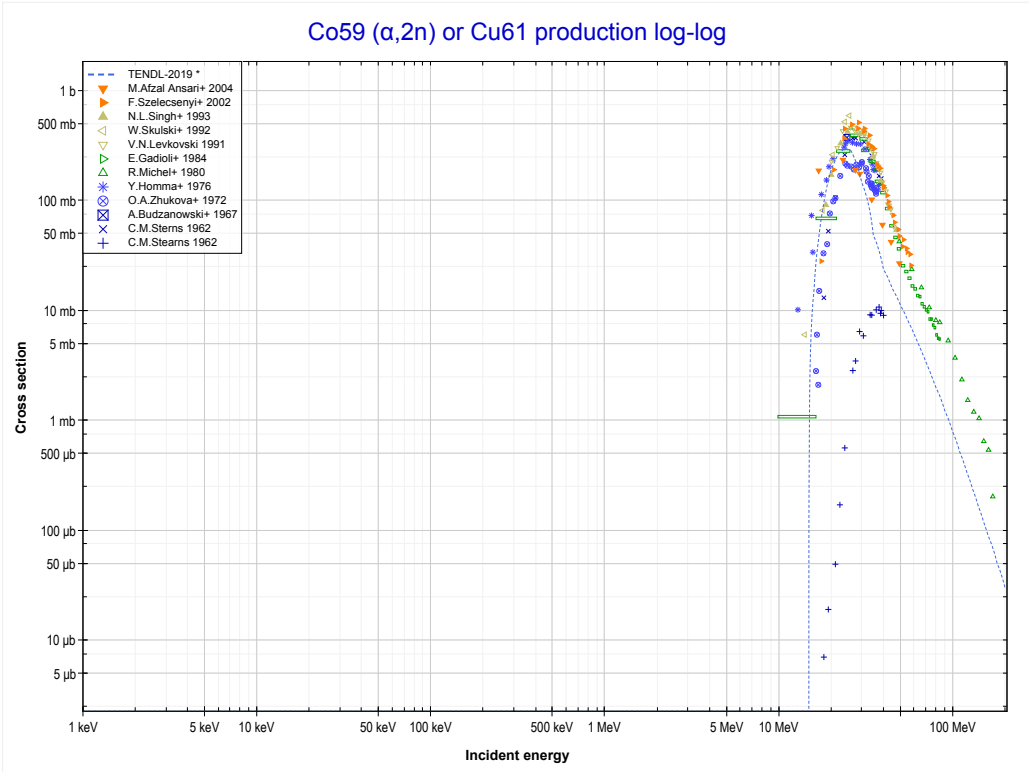
Reaction	Q-Value
Fe58(α ,He3)Fe59	-13996.60 keV
Fe58(α ,p+d)Fe59	-19490.08 keV
Fe58(α ,n+2p)Fe59	-21714.64 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< 26-Fe-58 MT115 (α,p+d)	MT4 (α,n) or MT5 (Cu62 production)	MT16 (α,2n) >>



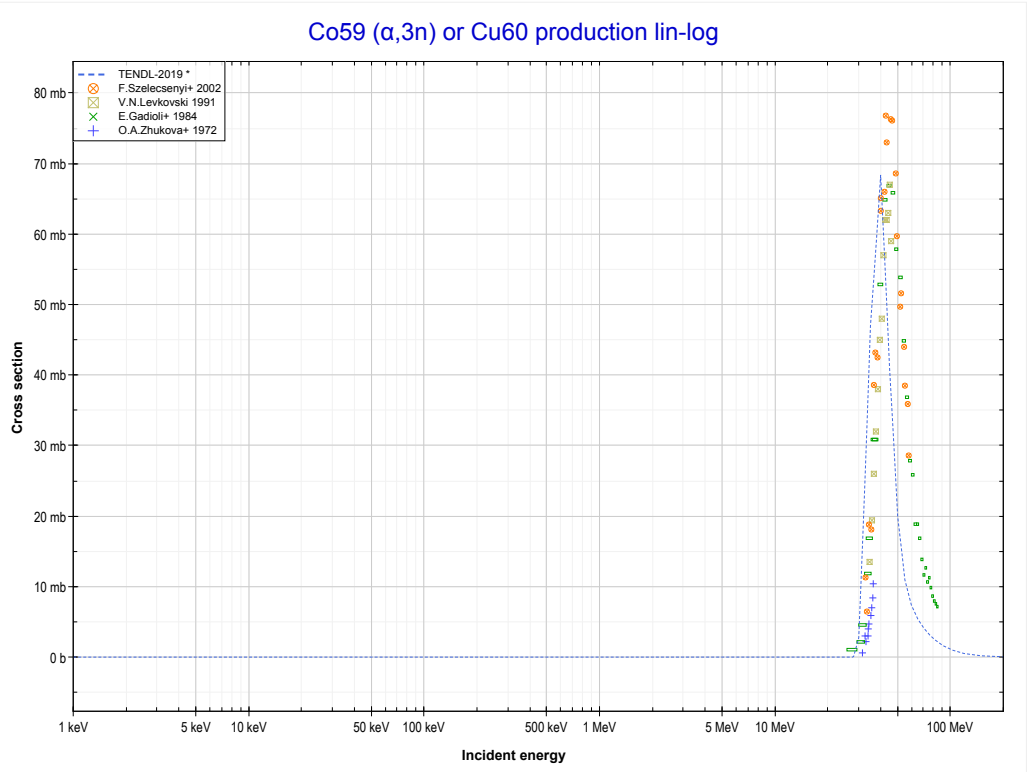
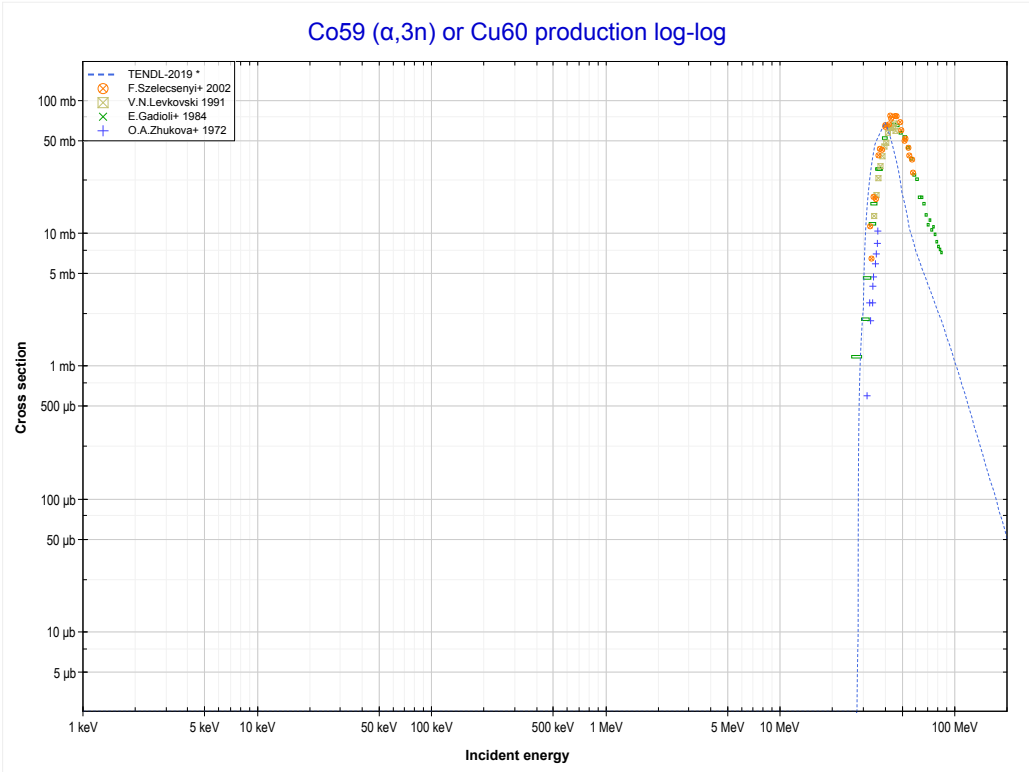
Reaction	Q-Value
Co59(α,n)Cu62	-5088.70 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Cu61 production)	MT17 (α,3n) >>



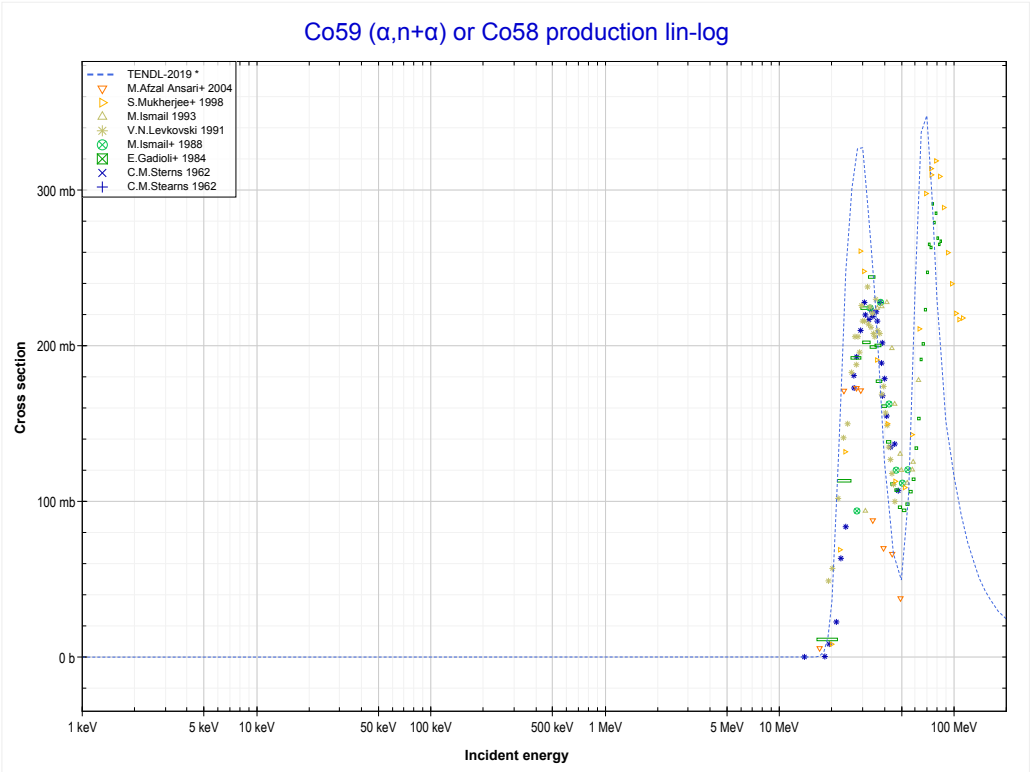
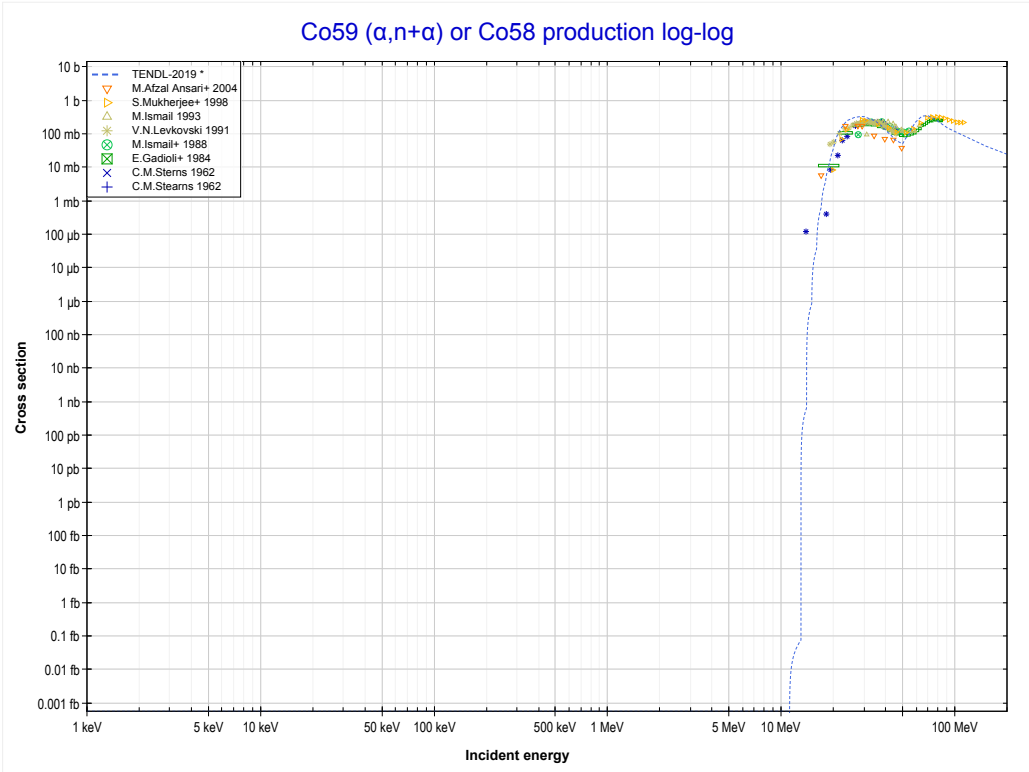
Reaction	Q-Value
Co59(α,2n)Cu61	-13963.32 keV

<< 26-Fe-56	27-Co-59	28-Ni-61 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Cu60 production)	MT22 ($\alpha,n+\alpha$) >>



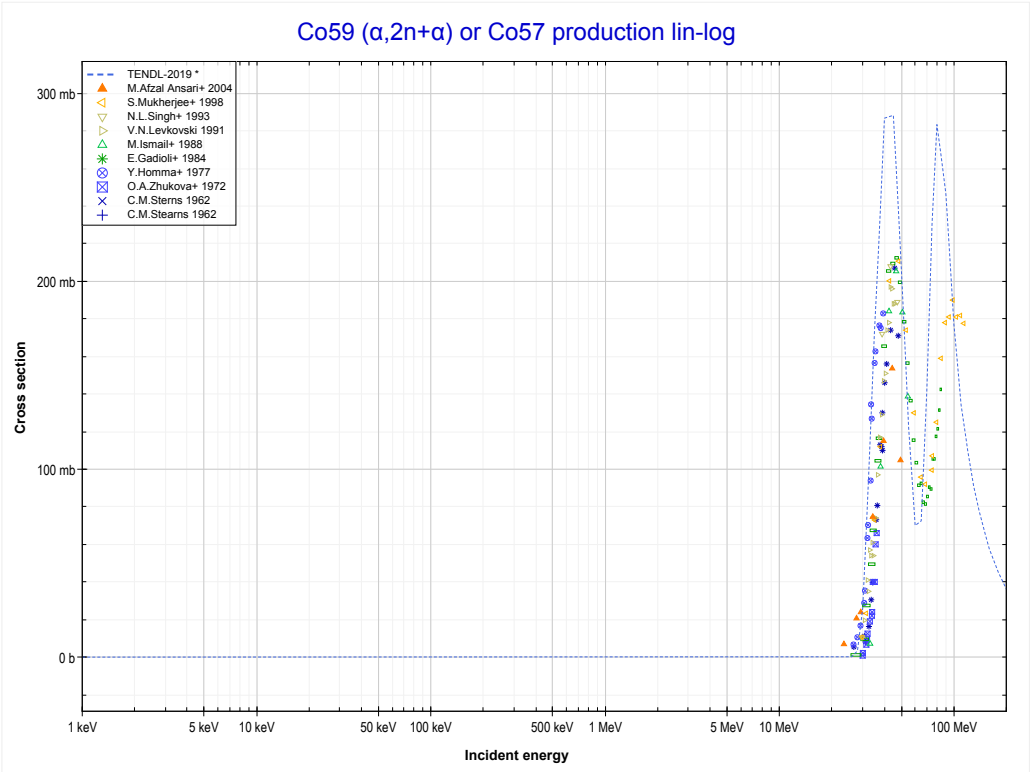
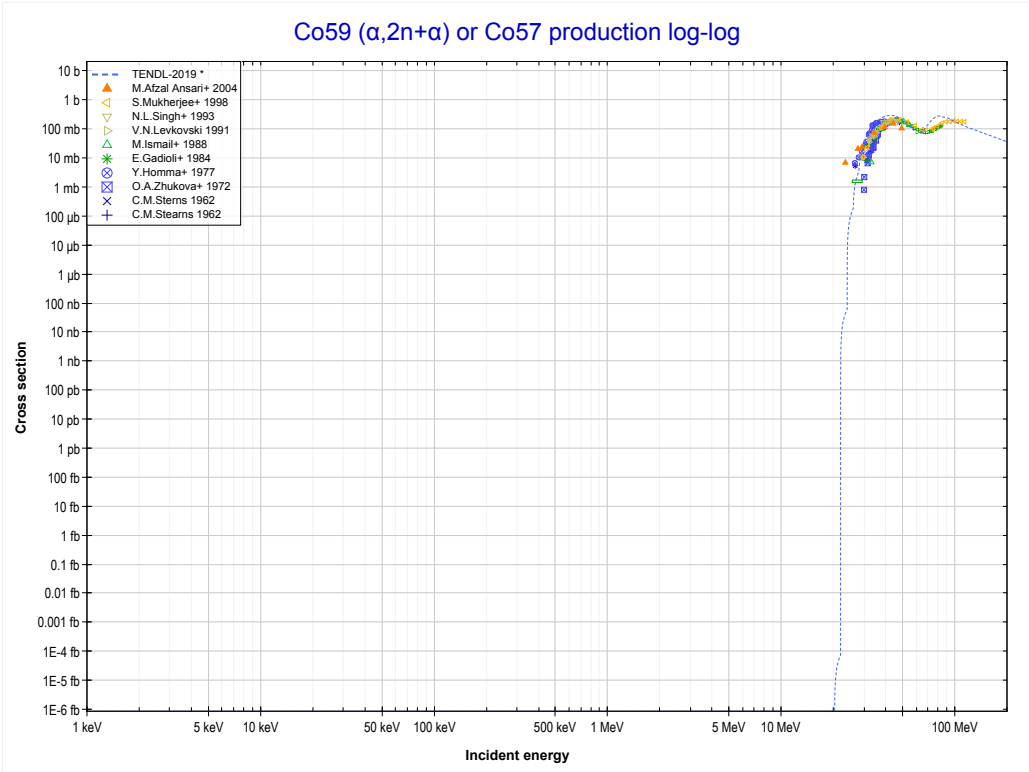
Reaction	Q-Value
Co59($\alpha,3n$)Cu60	-25673.64 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Co58 production)	MT24 (α,2n+α) >>



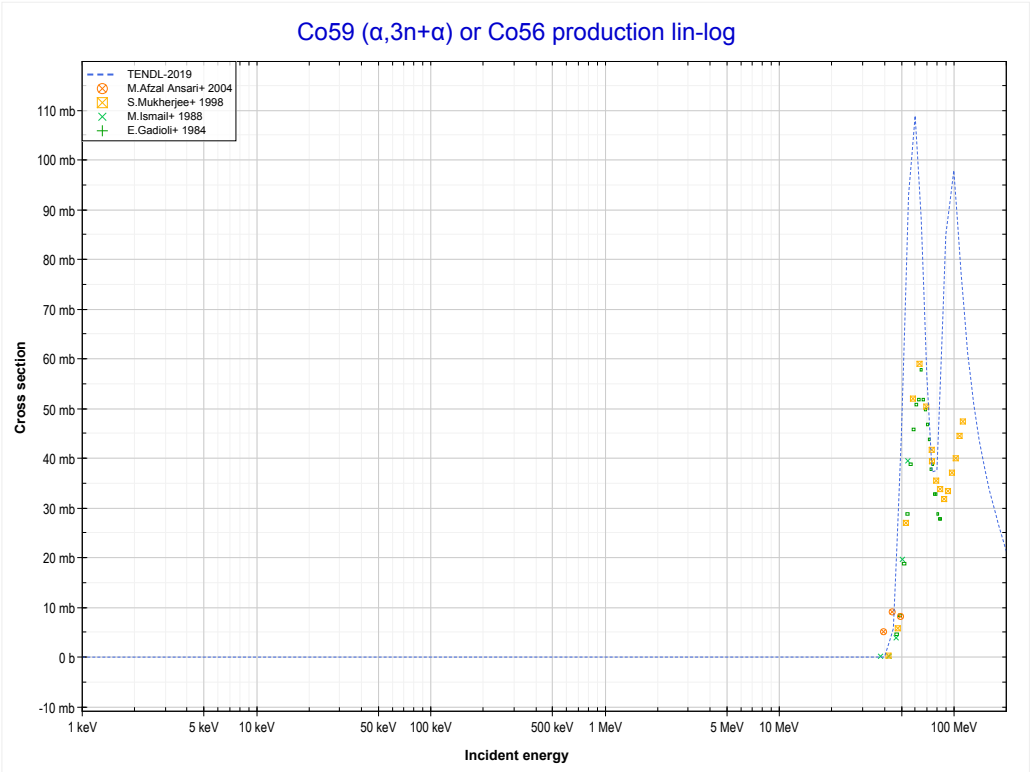
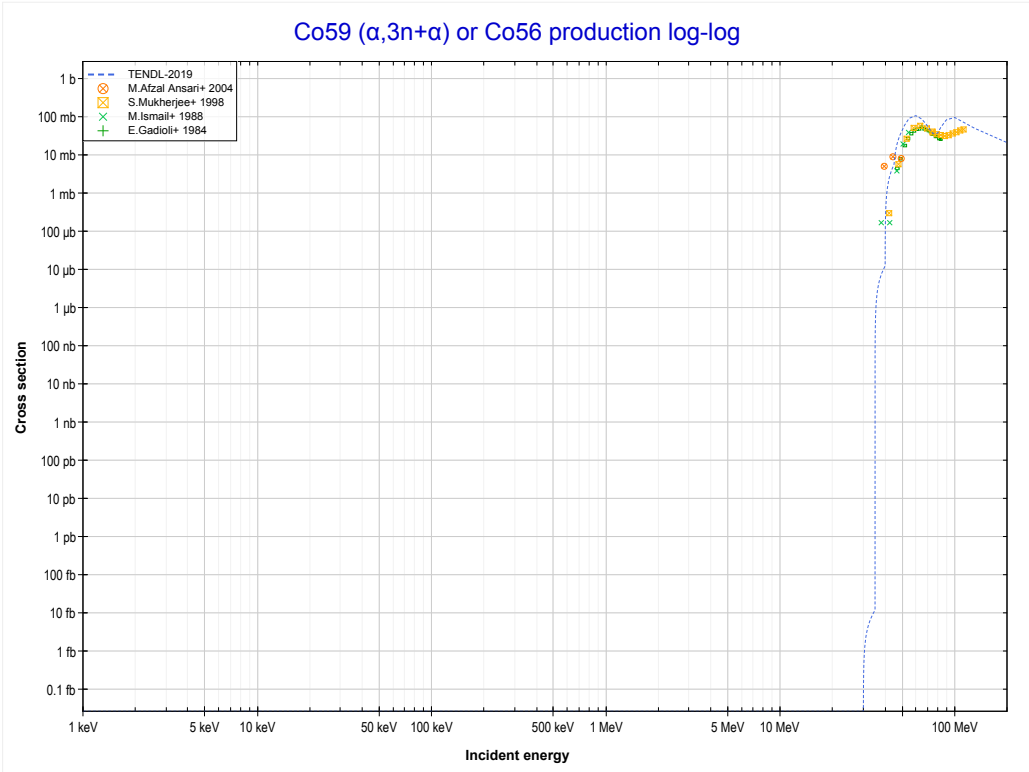
Reaction	Q-Value
Co59(α,n+α)Co58	-10453.82 keV
Co59(α,d+t)Co58	-28043.12 keV
Co59(α,n+p+t)Co58	-30267.68 keV
Co59(α,2n+He3)Co58	-31031.44 keV
Co59(α,n+2d)Co58	-34300.34 keV
Co59(α,2n+p+d)Co58	-36524.91 keV
Co59(α,3n+2p)Co58	-38749.48 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Co57 production)	MT25 ($\alpha,3n+\alpha$) >>



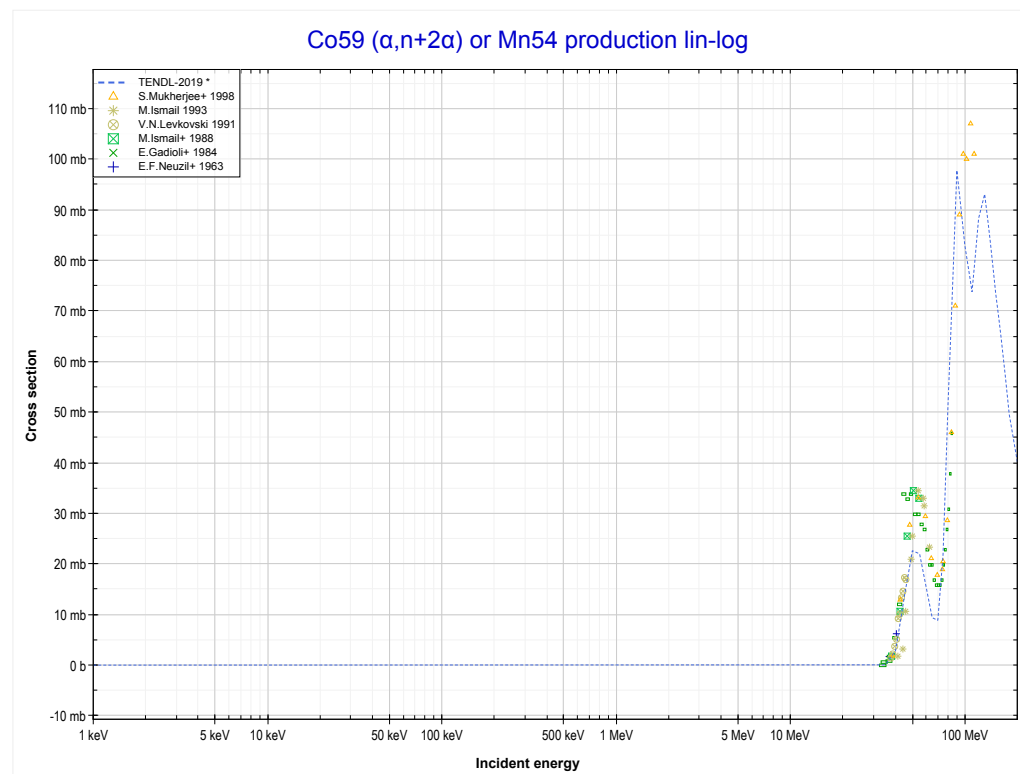
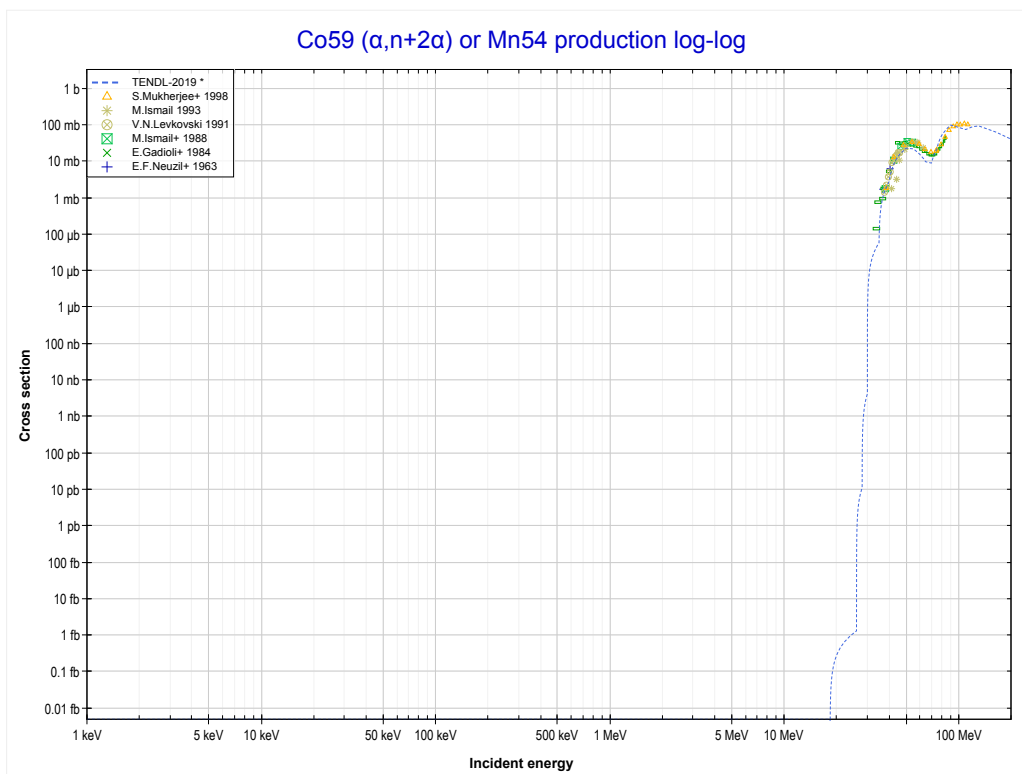
Reaction	Q-Value
Co59($\alpha,2n+\alpha$)Co57	-19026.73 keV
Co59($\alpha,2t$)Co57	-30358.80 keV
Co59($\alpha,n+d+t$)Co57	-36616.03 keV
Co59($\alpha,2n+p+t$)Co57	-38840.60 keV
Co59($\alpha,3n+He3$)Co57	-39604.35 keV
Co59($\alpha,2n+2d$)Co57	-42873.26 keV
Co59($\alpha,3n+p+d$)Co57	-45097.83 keV
Co59($\alpha,4n+2p$)Co57	-47322.39 keV

<< 25-Mn-55	27-Co-59	40-Zr-90 >>
<< MT24 ($\alpha,2n+\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (Co56 production)	MT29 ($\alpha,n+2\alpha$) >>



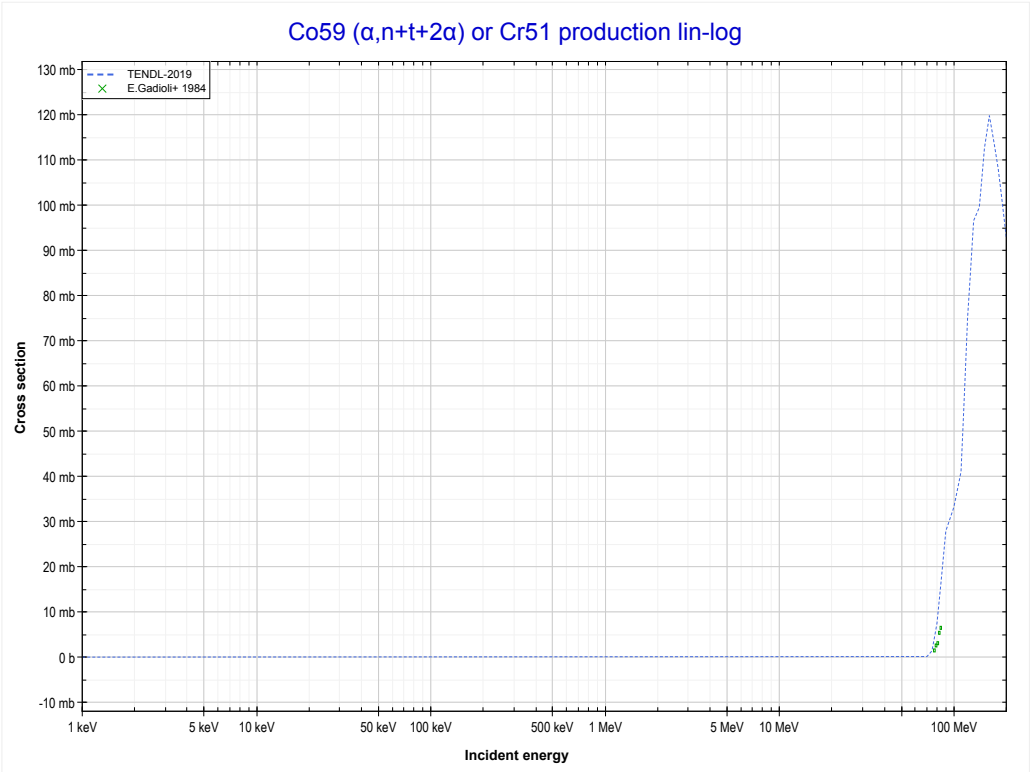
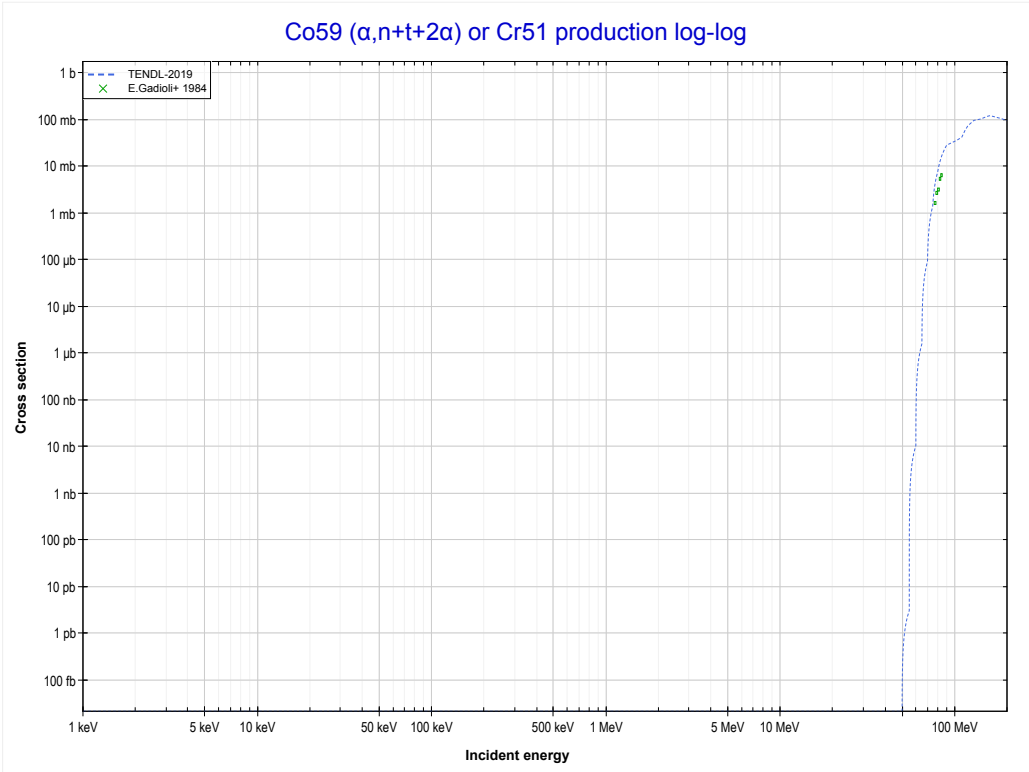
Reaction	Q-Value
Co59($\alpha,3n+\alpha$)Co56	-30403.25 keV
Co59($\alpha,n+2t$)Co56	-41735.32 keV
Co59($\alpha,2n+d+t$)Co56	-47992.55 keV
Co59($\alpha,3n+p+t$)Co56	-50217.12 keV
Co59($\alpha,4n+He3$)Co56	-50980.87 keV
Co59($\alpha,3n+2d$)Co56	-54249.78 keV
Co59($\alpha,4n+p+d$)Co56	-56474.35 keV
Co59($\alpha,5n+2p$)Co56	-58698.91 keV

<< 23-V-51	27-Co-59	29-Cu-63 >>
<< MT25 ($\alpha, 3n+\alpha$)	MT29 ($\alpha, n+2\alpha$) or MT5 (Mn54 production)	MT36 ($\alpha, n+t+2\alpha$) >>



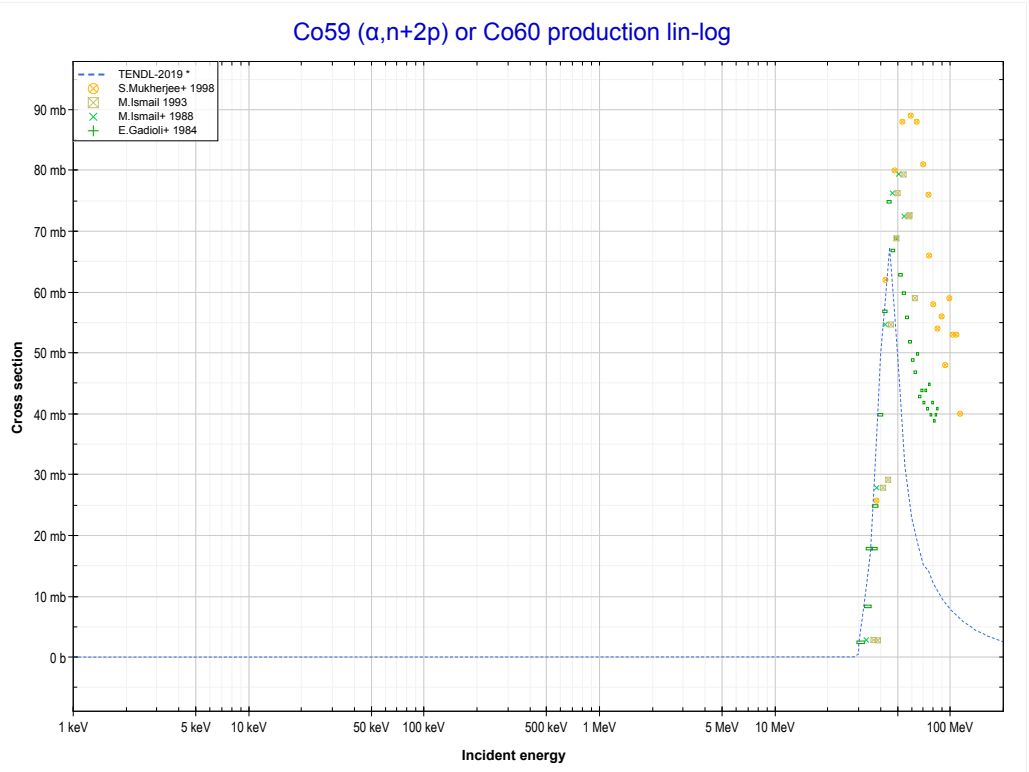
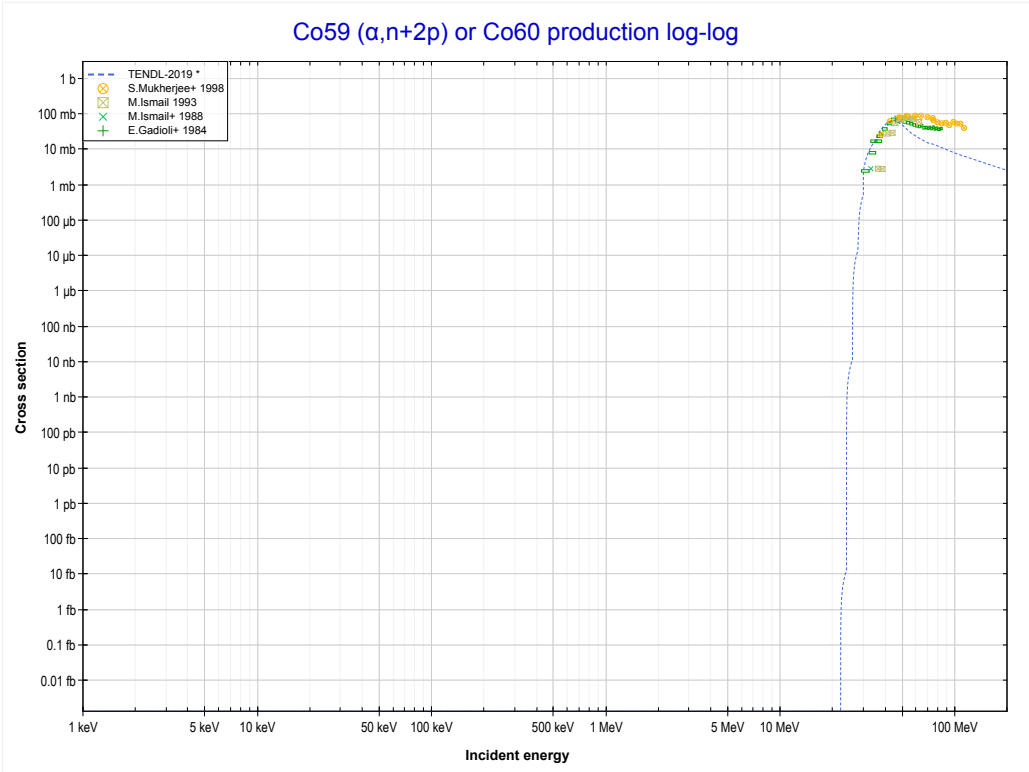
Reaction	Q-Value	Reaction	Q-Value
Co59($\alpha, n+2\alpha$)Mn54	-17168.33 keV	Co59($\alpha, p+d+2t$)Mn54	-54571.50 keV
Co59($\alpha, d+t+\alpha$)Mn54	-34757.63 keV	Co59($\alpha, n+d+t+He3$)Mn54	-55335.25 keV
Co59($\alpha, n+p+t+\alpha$)Mn54	-36982.20 keV	Co59($\alpha, n+2p+2t$)Mn54	-56796.06 keV
Co59($\alpha, 2n+He3+\alpha$)Mn54	-37745.95 keV	Co59($\alpha, 2n+p+t+He3$)Mn54	-57559.82 keV
Co59($\alpha, n+2d+\alpha$)Mn54	-41014.86 keV	Co59($\alpha, 3n+2He3$)Mn54	-58323.57 keV
Co59($\alpha, 2n+p+d+\alpha$)Mn54	-43239.43 keV	Co59($\alpha, 3d+t$)Mn54	-58604.16 keV
Co59($\alpha, 3n+2p+\alpha$)Mn54	-45463.99 keV	Co59($\alpha, n+p+2d+t$)Mn54	-60828.73 keV
Co59($\alpha, 2t+He3$)Mn54	-49078.02 keV	Co59($\alpha, 2n+2d+He3$)Mn54	-61592.48 keV

	27-Co-59	
<< MT29 ($\alpha,n+2\alpha$)	MT36 ($\alpha,n+t+2\alpha$) or MT5 (Cr51 production)	MT44 ($\alpha,n+2p$) >>



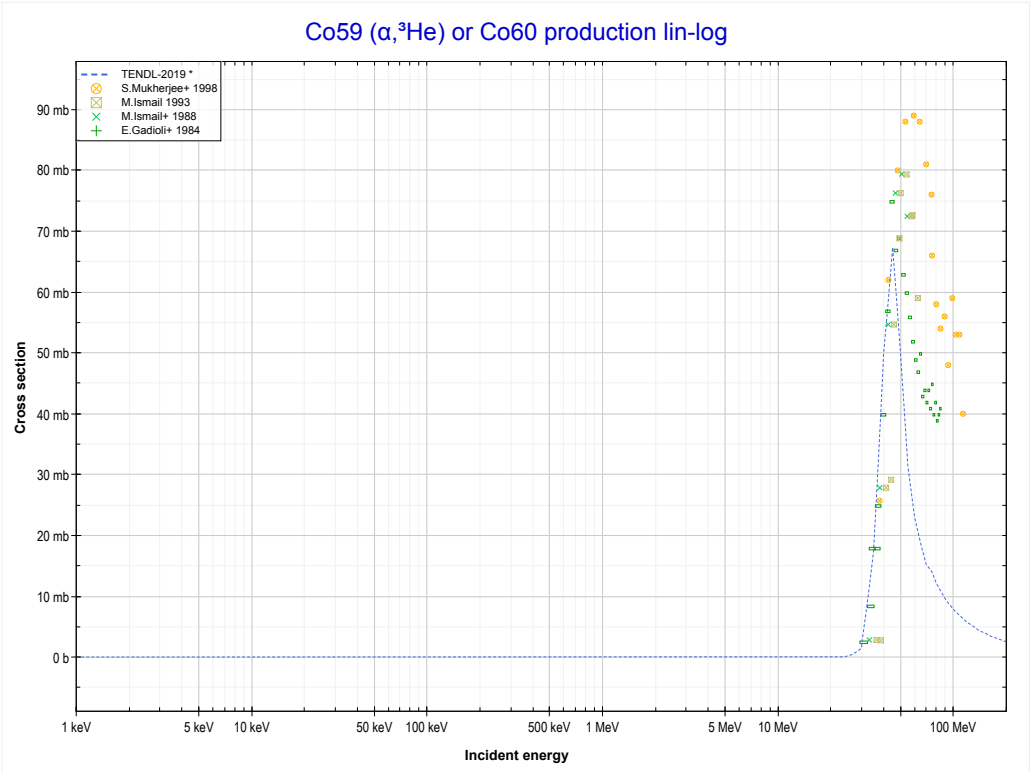
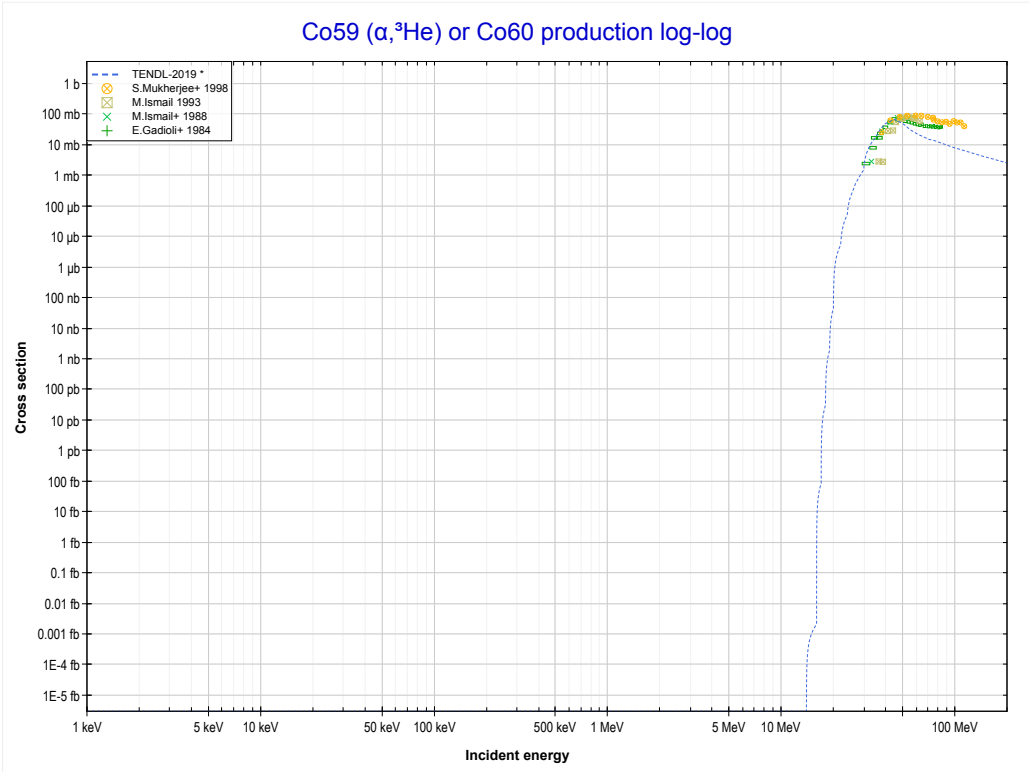
Reaction	Q-Value	Reaction	Q-Value
Co59($\alpha,n+t+2\alpha$)Cr51	-36224.34 keV	Co59($\alpha,3n+d+He3+\alpha$)Cr51	-63059.19 keV
Co59($\alpha,2n+d+2\alpha$)Cr51	-42481.57 keV	Co59($\alpha,3n+2p+t+\alpha$)Cr51	-64520.00 keV
Co59($\alpha,3n+p+2\alpha$)Cr51	-44706.14 keV	Co59($\alpha,4n+p+He3+\alpha$)Cr51	-65283.76 keV
Co59($\alpha,d+2t+\alpha$)Cr51	-53813.64 keV	Co59($\alpha,2n+3d+\alpha$)Cr51	-66328.10 keV
Co59($\alpha,n+p+2t+\alpha$)Cr51	-56038.21 keV	Co59($\alpha,3t+He3$)Cr51	-68134.03 keV
Co59($\alpha,2n+t+He3+\alpha$)Cr51	-56801.96 keV	Co59($\alpha,3n+p+2d+\alpha$)Cr51	-68552.67 keV
Co59($\alpha,n+2d+t+\alpha$)Cr51	-60070.87 keV	Co59($\alpha,4n+2p+d+\alpha$)Cr51	-70777.23 keV
Co59($\alpha,2n+p+d+t+\alpha$)Cr51	-62295.44 keV	Co59($\alpha,5n+3p+\alpha$)Cr51	-73001.80 keV

<< 26-Fe-58	27-Co-59	29-Cu-63 >>
<< MT36 ($\alpha,n+t+2\alpha$)	MT44 ($\alpha,n+2p$) or MT5 (Co60 production)	MT106 ($\alpha,^3\text{He}$) >>



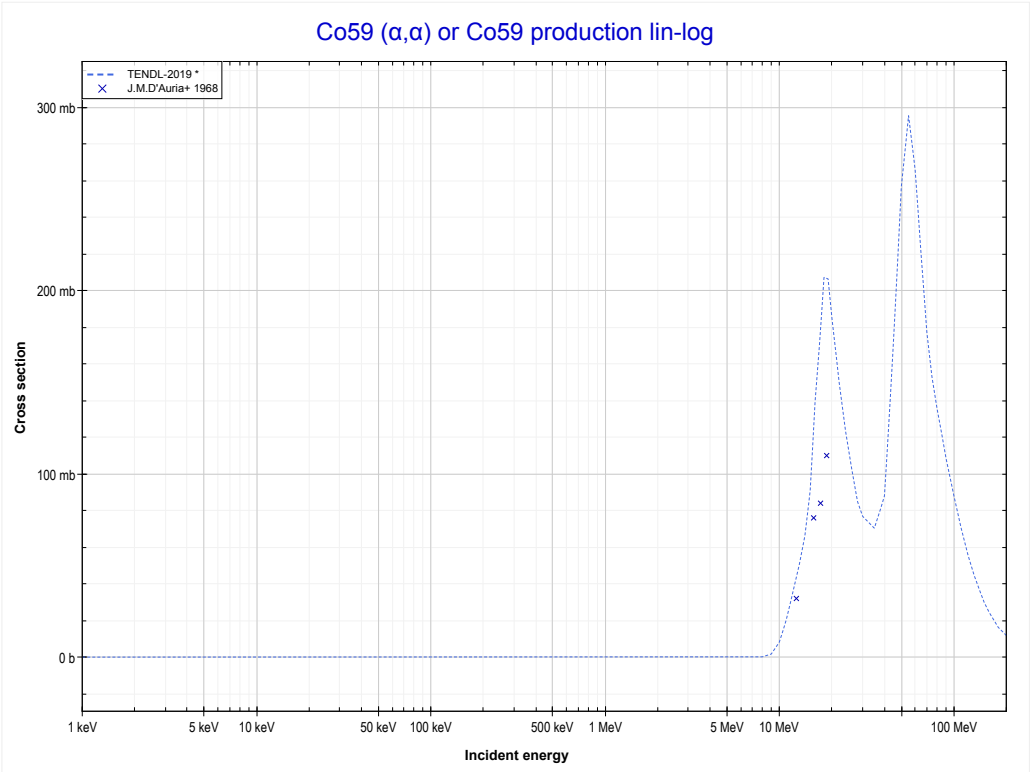
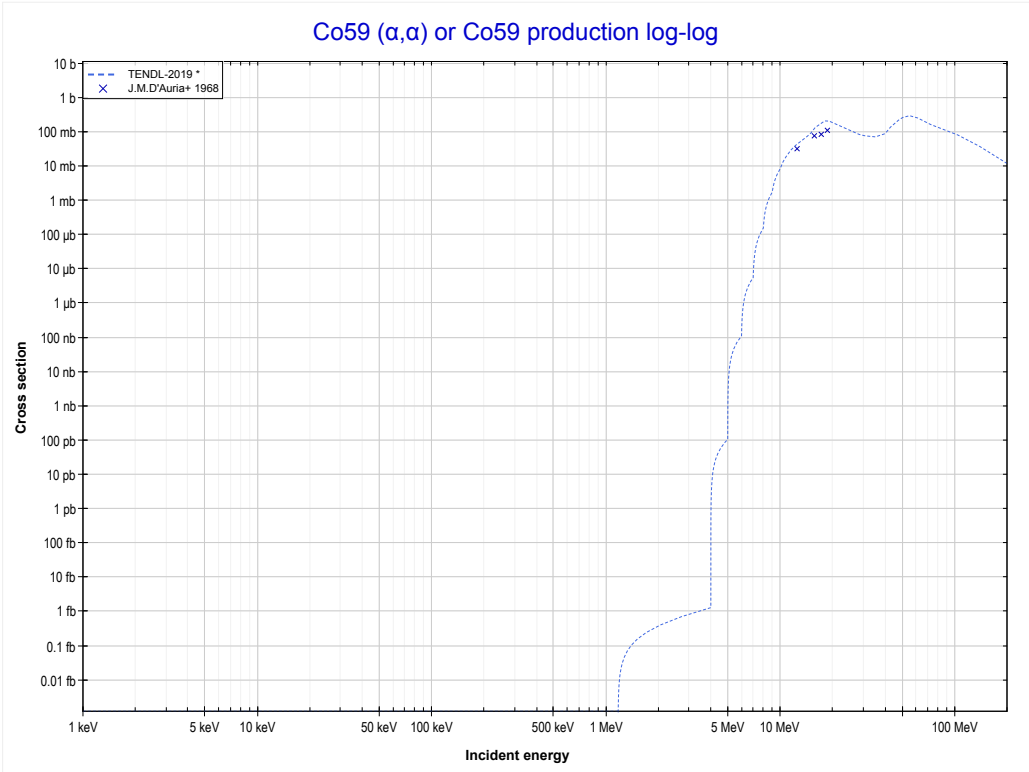
Reaction	Q-Value
Co59($\alpha,\text{He3}$)Co60	-13085.70 keV
Co59($\alpha,p+d$)Co60	-18579.18 keV
Co59($\alpha,n+2p$)Co60	-20803.74 keV

<< 26-Fe-58	27-Co-59	29-Cu-63 >>
<< MT44 (α ,n+2p)	MT106 (α , ^3He) or MT5 (Co60 production)	MT107 (α , α) >>



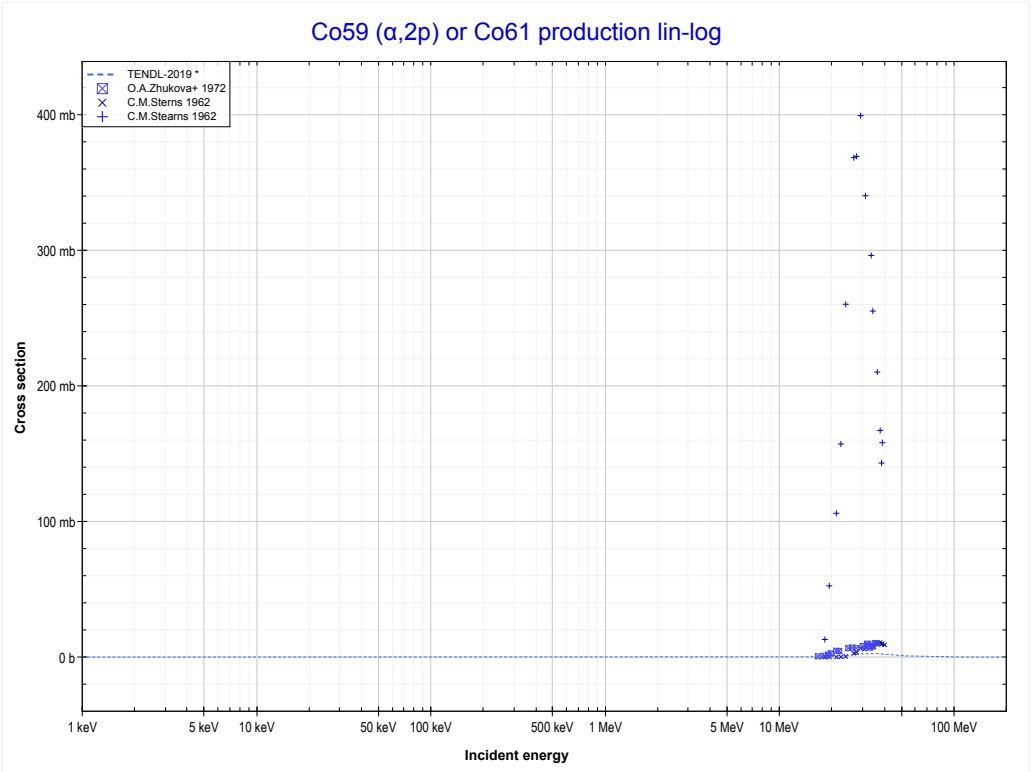
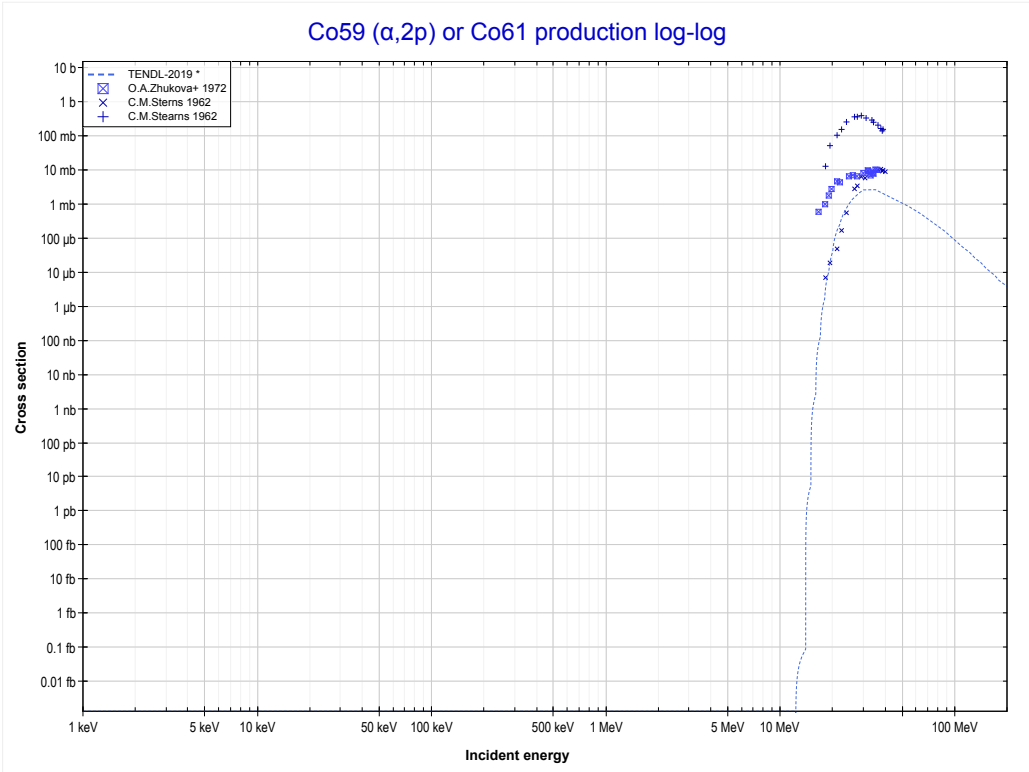
Reaction	Q-Value
Co59(α ,He3)Co60	-13085.70 keV
Co59(α ,p+d)Co60	-18579.18 keV
Co59(α ,n+2p)Co60	-20803.74 keV

<< 7-N-14	27-Co-59	48-Cd-111 >>
<< MT106 (α , ^3He)	MT107 (α , α) or MT5 (Co59 production)	MT111 (α ,2p) >>



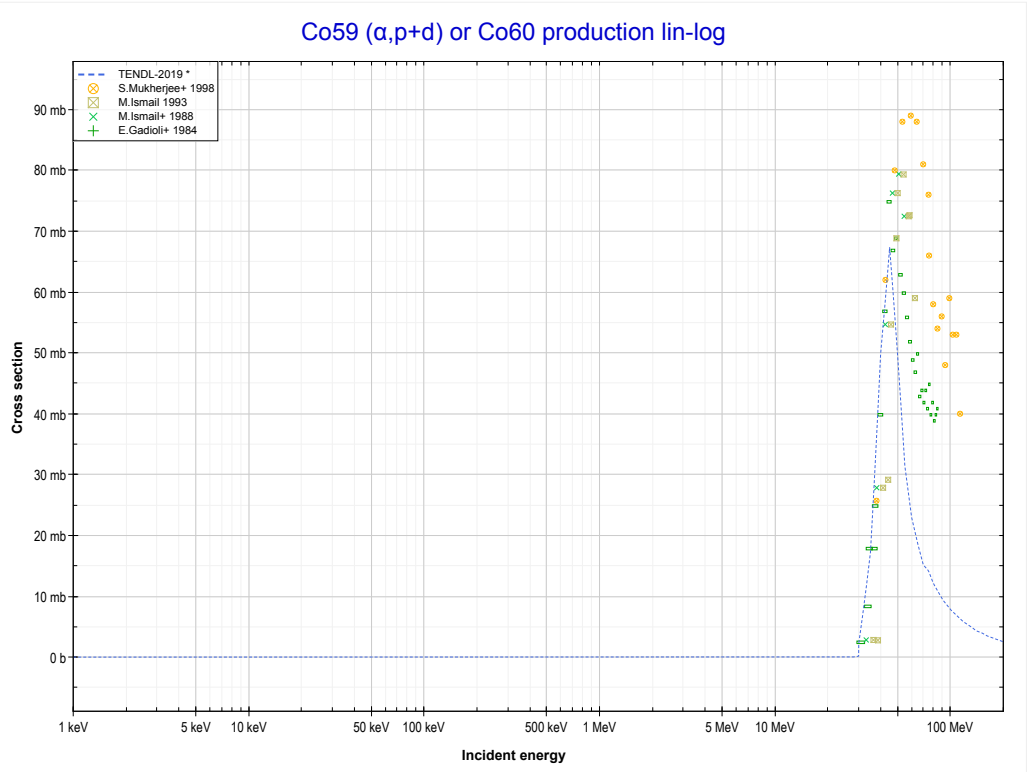
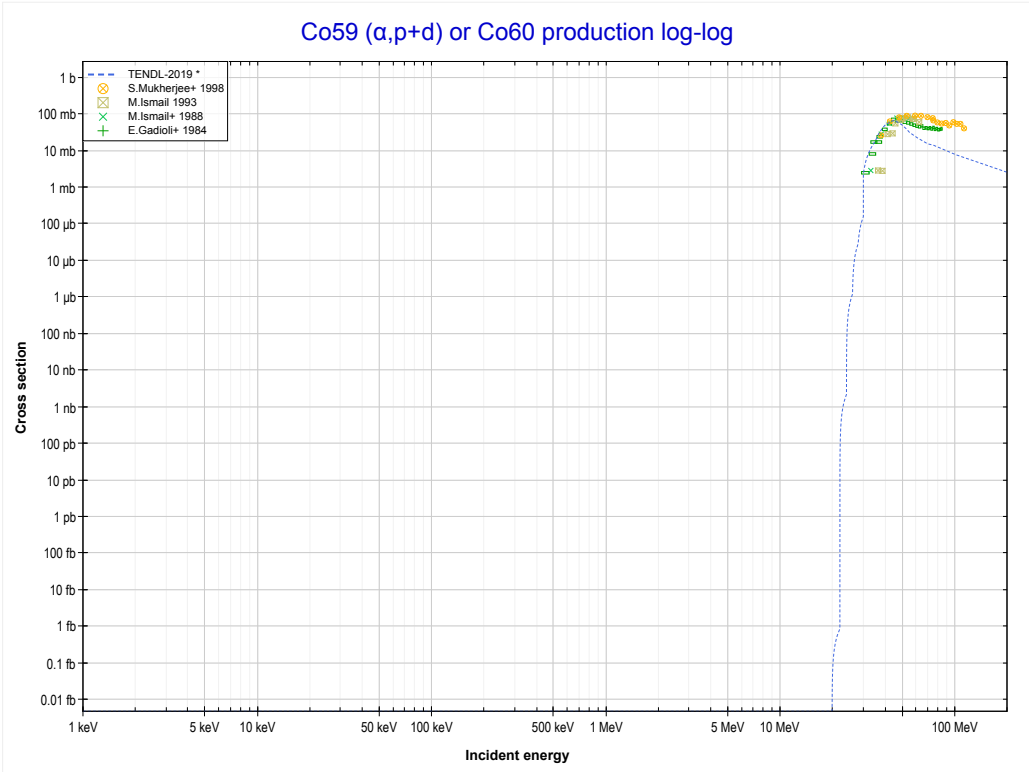
Reaction	Q-Value
Co59(α , α)Co59	0.00 keV
Co59(α ,p+t)Co59	-19813.86 keV
Co59(α ,n+He3)Co59	-20577.62 keV
Co59(α ,2d)Co59	-23846.53 keV
Co59(α ,n+p+d)Co59	-26071.09 keV
Co59(α ,2n+2p)Co59	-28295.66 keV

<< 26-Fe-57	27-Co-59	29-Cu-65 >>
<< MT107 (α,α)	MT111 (α,2p) or MT5 (Co61 production)	MT115 (α,p+d) >>



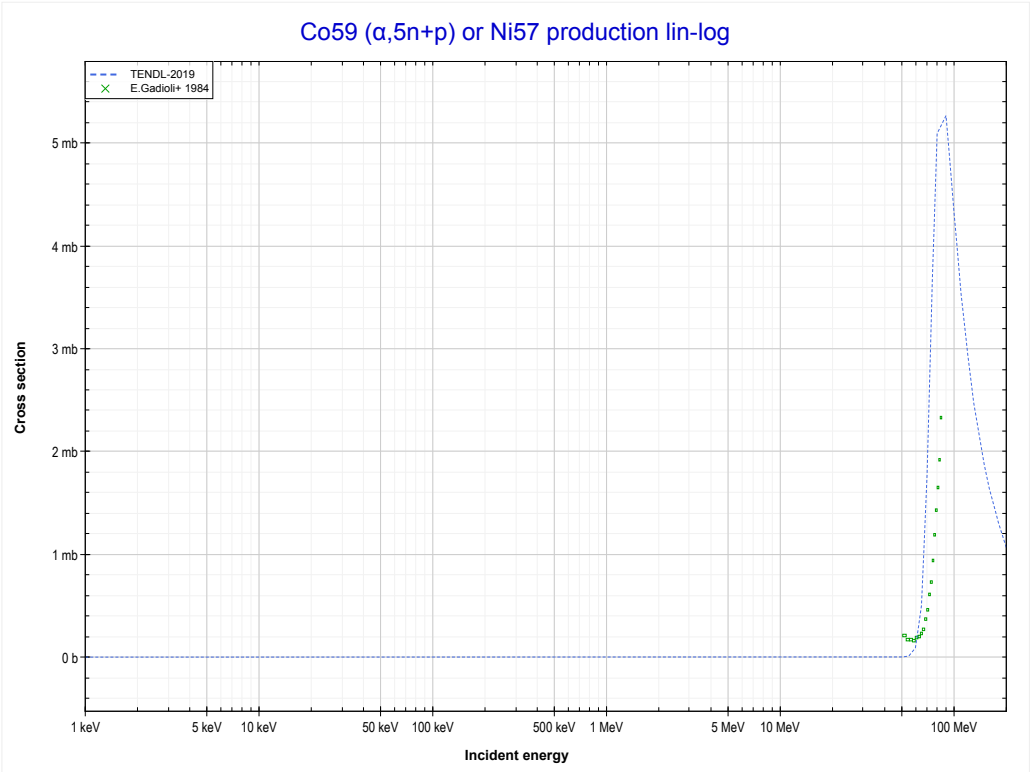
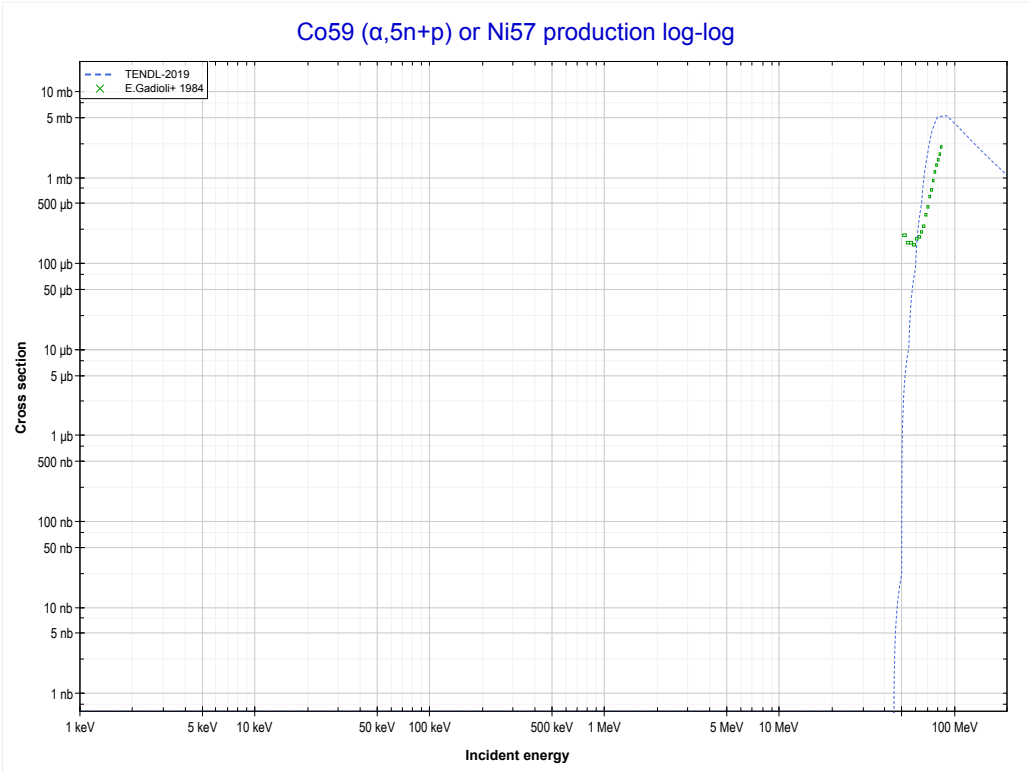
Reaction	Q-Value
Co59(α,2p)Co61	-11484.63 keV

<< 26-Fe-58	27-Co-59	29-Cu-63 >>
<< MT111 ($\alpha,2p$)	MT115 ($\alpha,p+d$) or MT5 (Co60 production)	MT162 ($\alpha,5n+p$) >>



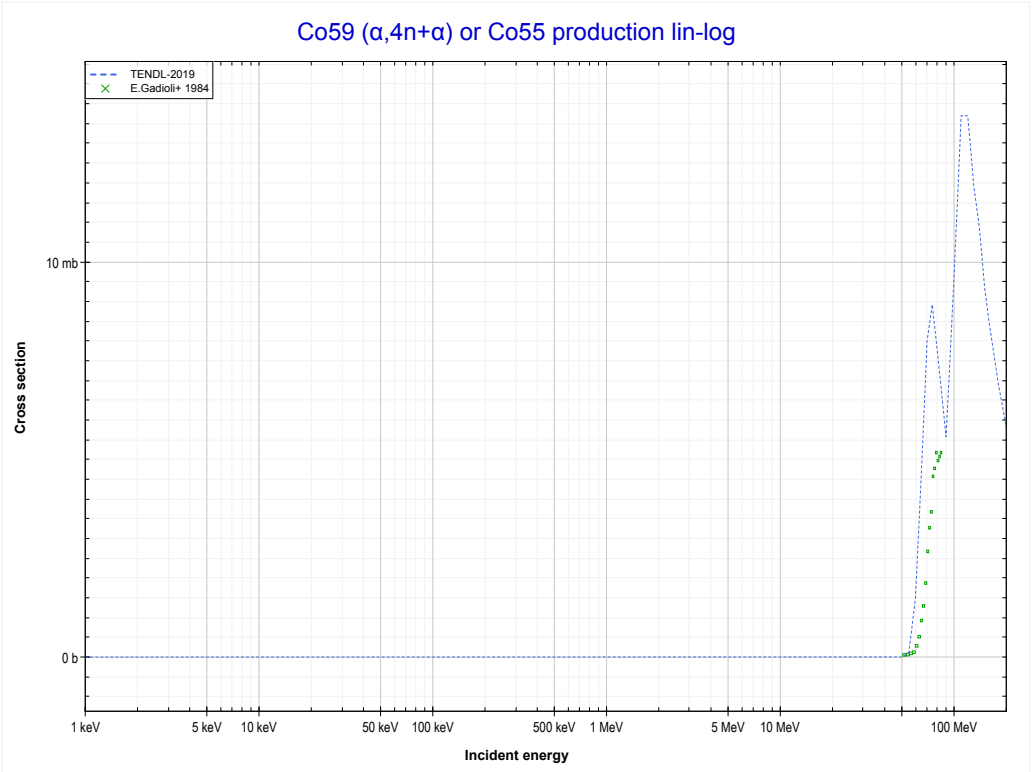
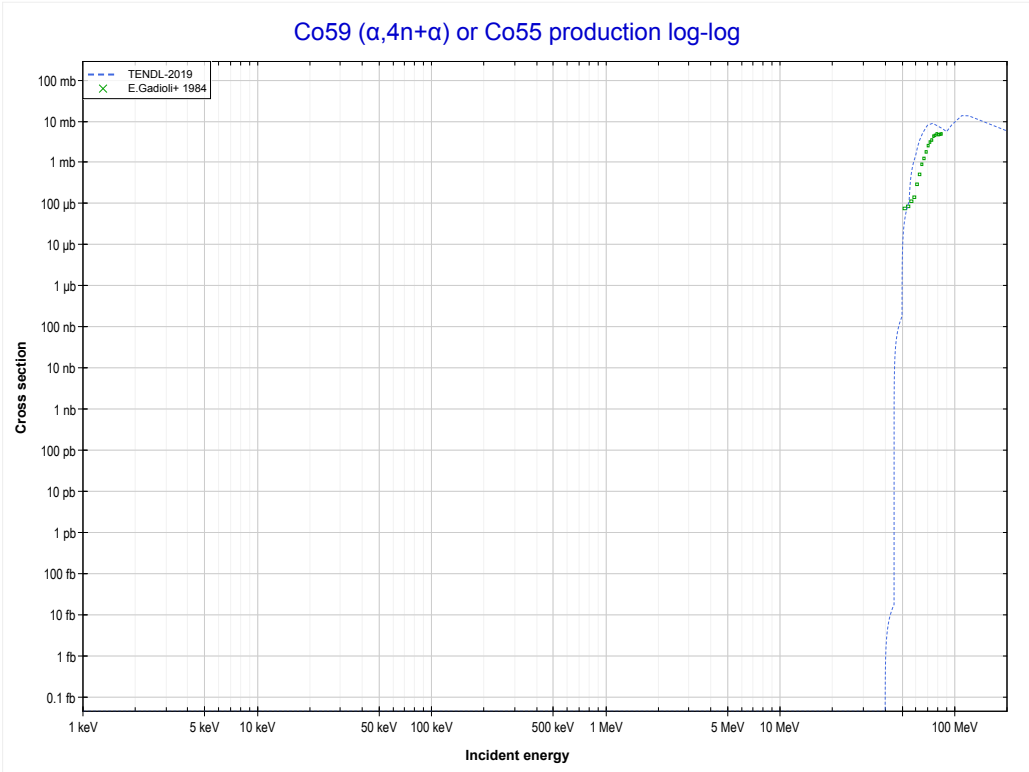
Reaction	Q-Value
Co59($\alpha,\text{He3}$)Co60	-13085.70 keV
Co59($\alpha,p+d$)Co60	-18579.18 keV
Co59($\alpha,n+2p$)Co60	-20803.74 keV

	27-Co-59	82-Pb-206 >>
<< MT115 (α,p+d)	MT162 (α,5n+p) or MT5 (Ni57 production)	MT165 (α,4n+α) >>



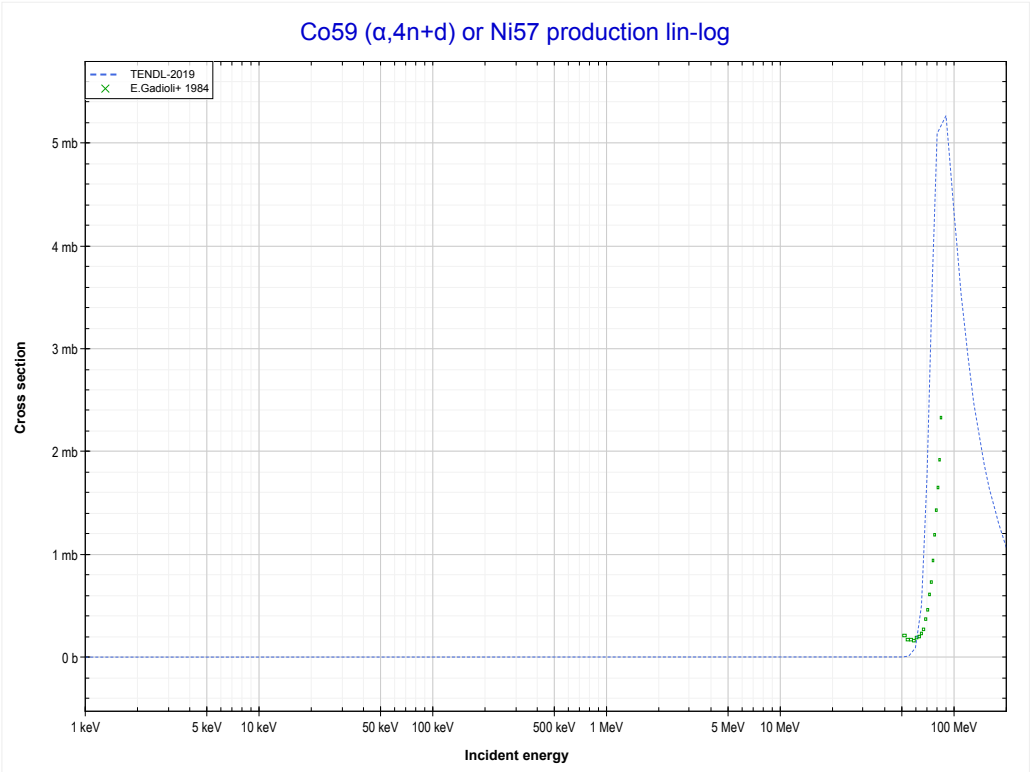
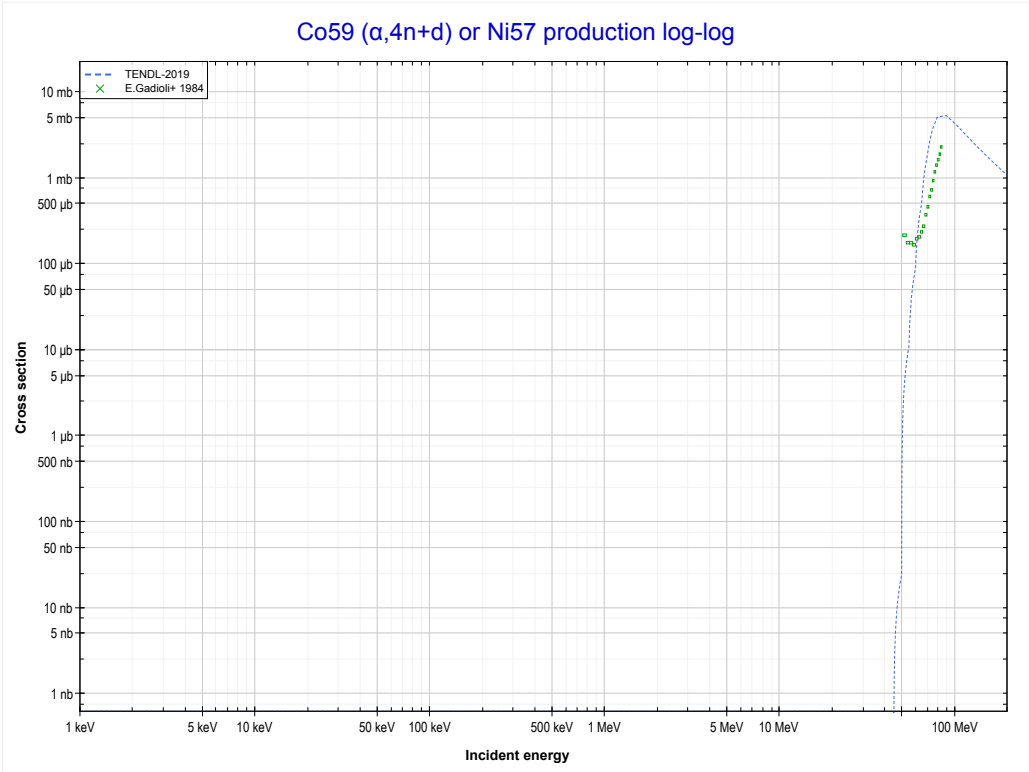
Reaction	Q-Value
Co59(α,3n+t)Ni57	-42884.75 keV
Co59(α,4n+d)Ni57	-49141.97 keV
Co59(α,5n+p)Ni57	-51366.54 keV

	27-Co-59	40-Zr-90 >>
<< MT162 (α,5n+p)	MT165 (α,4n+α) or MT5 (Co55 production)	MT169 (α,4n+d) >>



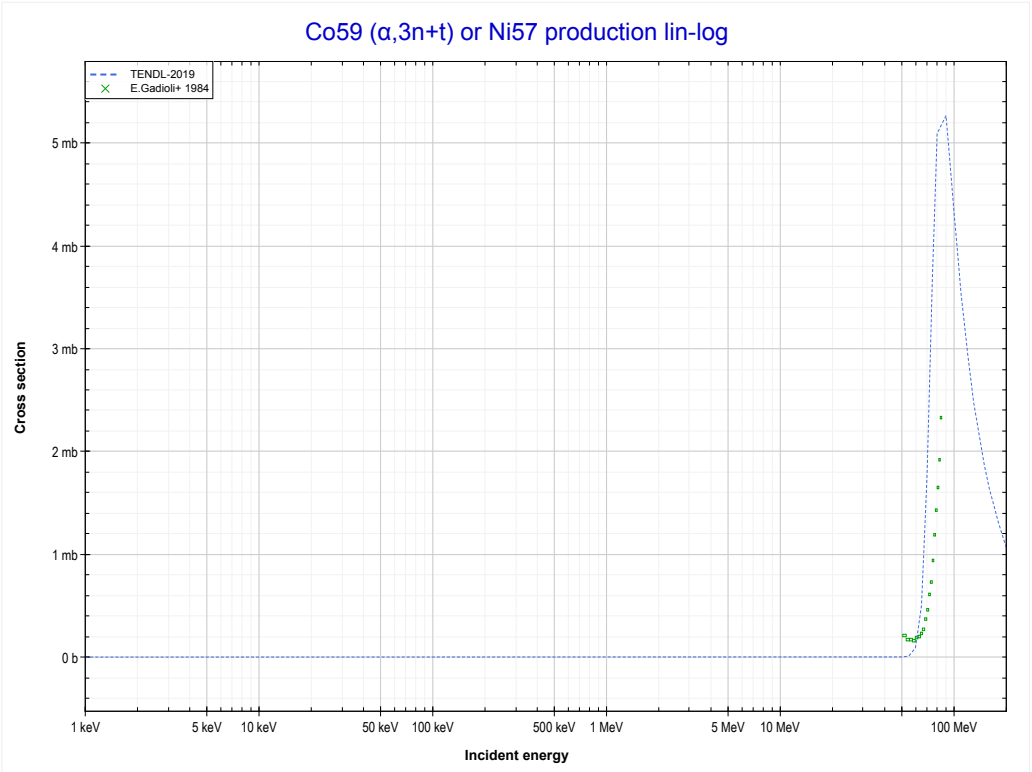
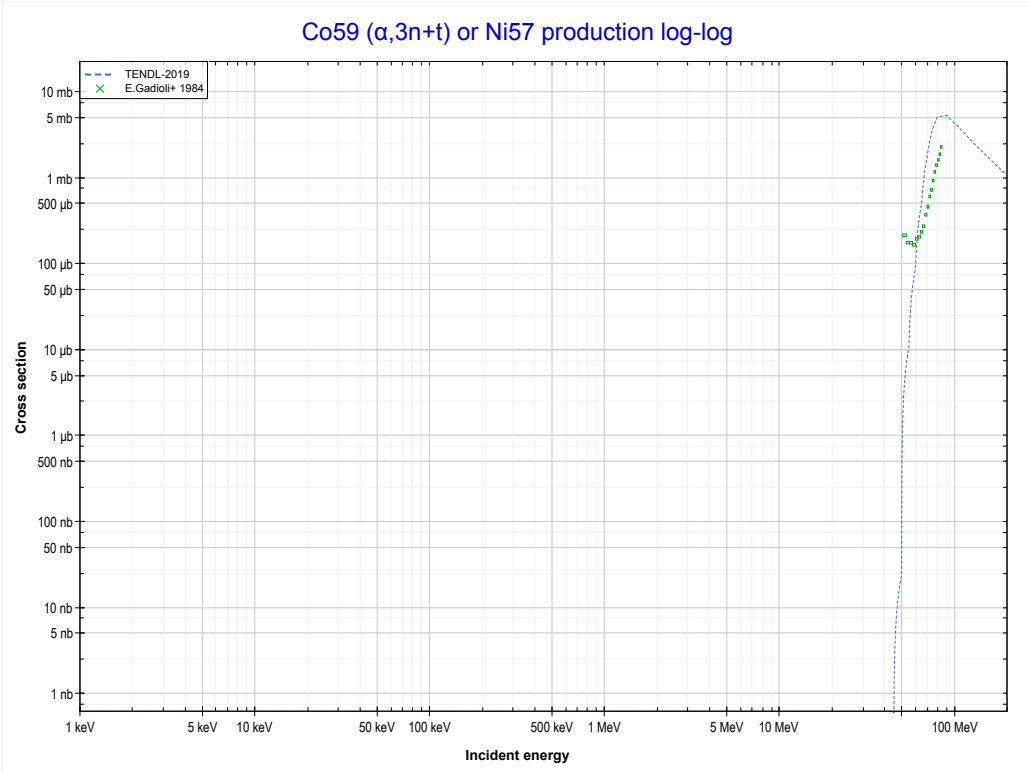
Reaction	Q-Value
Co59(α,4n+α)Co55	-40485.07 keV
Co59(α,2n+2t)Co55	-51817.14 keV
Co59(α,3n+d+t)Co55	-58074.37 keV
Co59(α,4n+p+t)Co55	-60298.93 keV
Co59(α,5n+He3)Co55	-61062.69 keV
Co59(α,4n+2d)Co55	-64331.60 keV
Co59(α,5n+p+d)Co55	-66556.16 keV
Co59(α,6n+2p)Co55	-68780.73 keV

	27-Co-59	82-Pb-206 >>
<< MT165 ($\alpha,4n+\alpha$)	MT169 ($\alpha,4n+d$) or MT5 (Ni57 production)	MT172 ($\alpha,3n+t$) >>



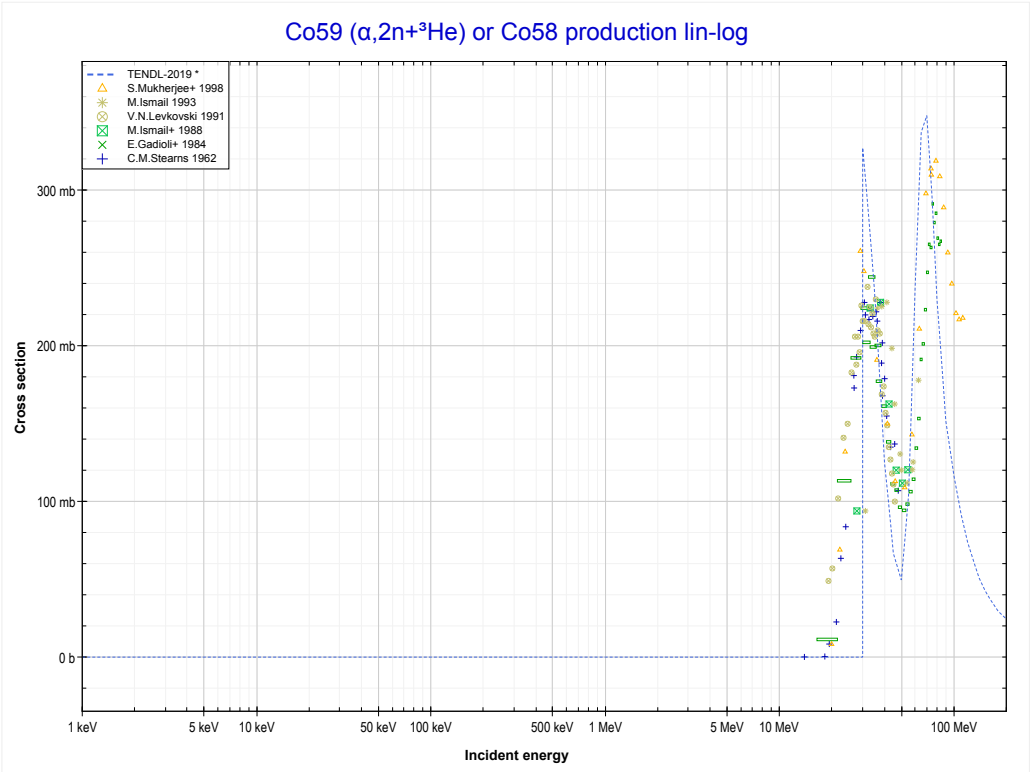
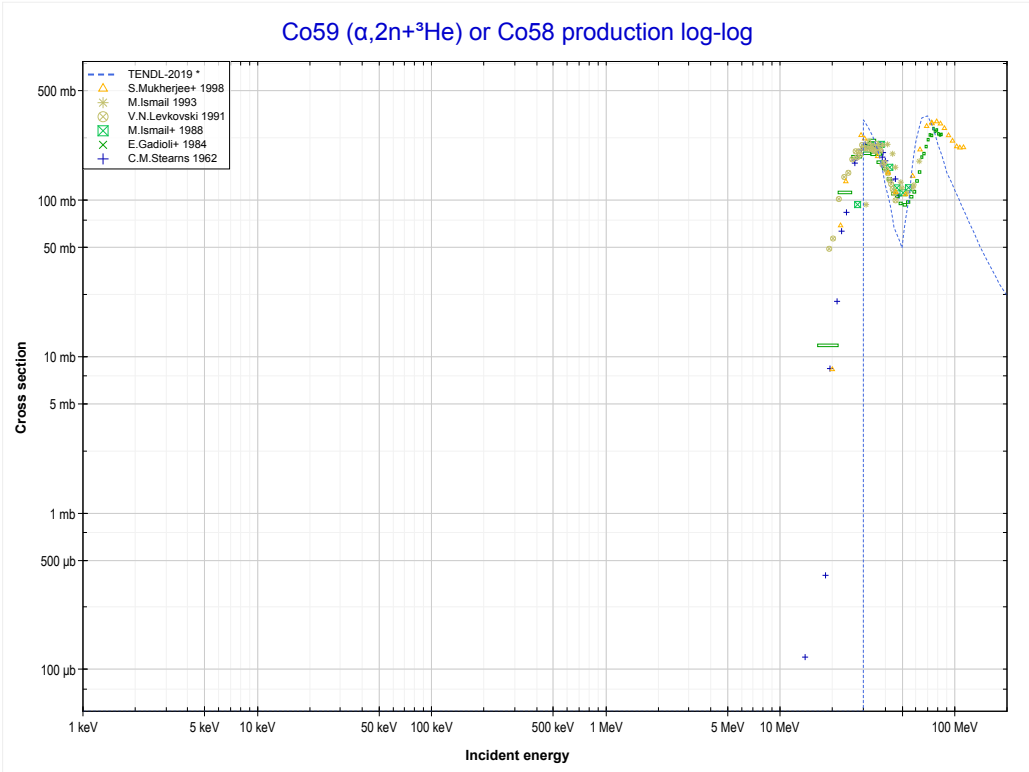
Reaction	Q-Value
Co59($\alpha,3n+t$)Ni57	-42884.75 keV
Co59($\alpha,4n+d$)Ni57	-49141.97 keV
Co59($\alpha,5n+p$)Ni57	-51366.54 keV

	27-Co-59	82-Pb-206 >>
<< MT169 ($\alpha,4n+d$)	MT172 ($\alpha,3n+t$) or MT5 (Ni57 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



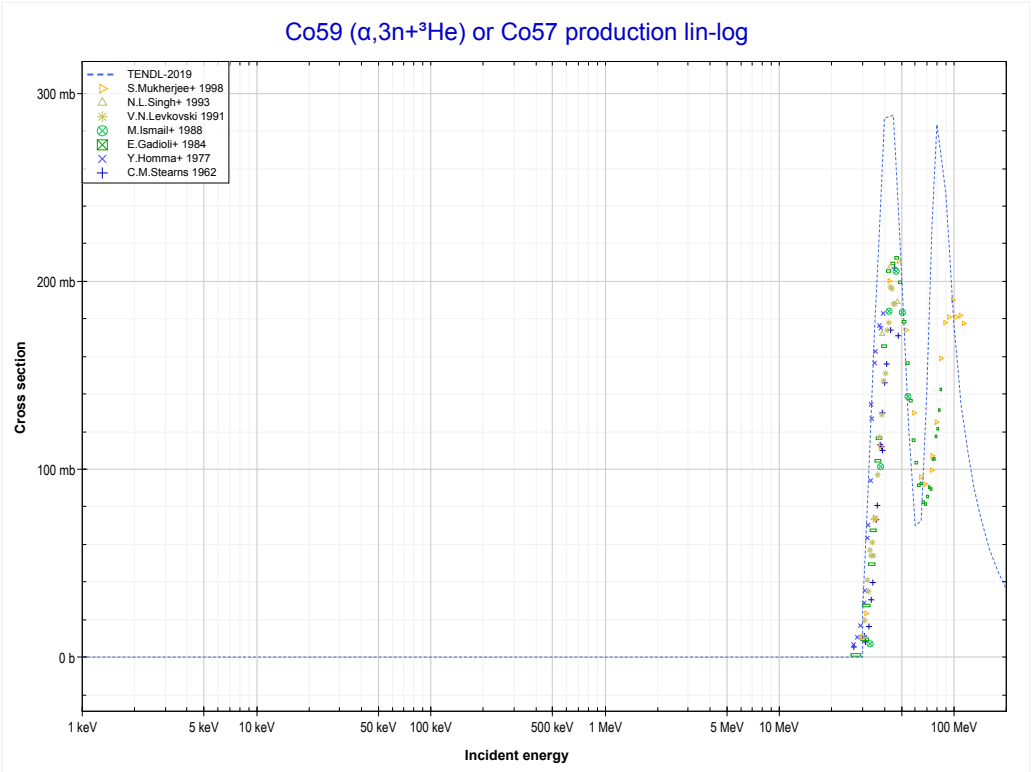
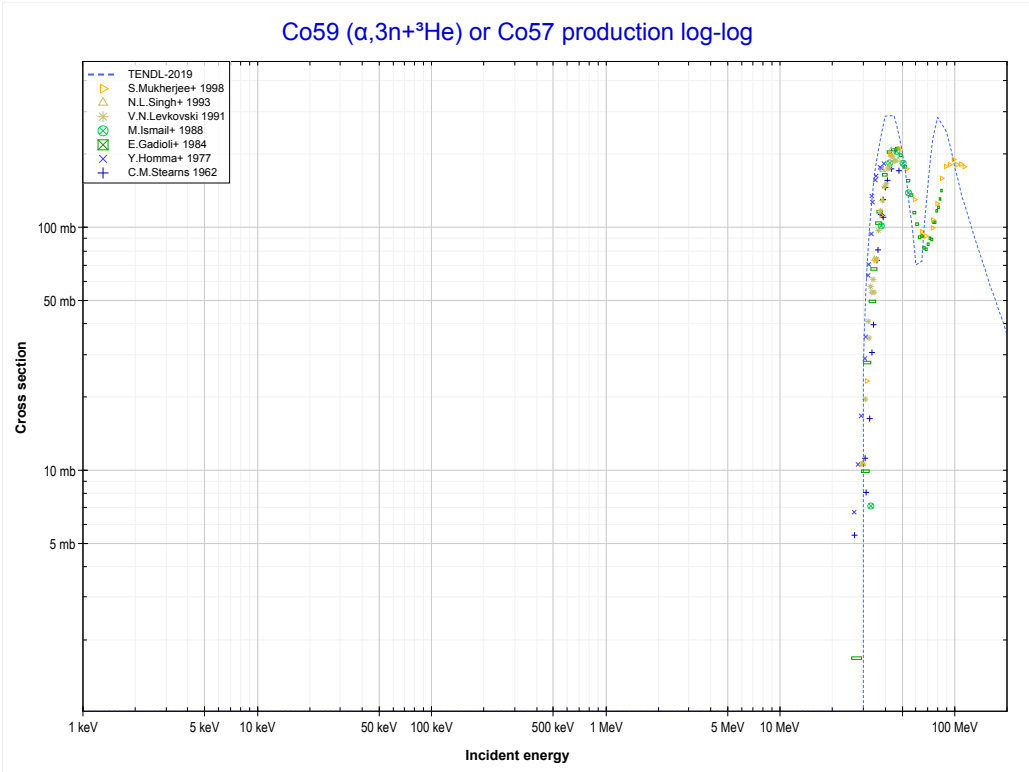
Reaction	Q-Value
Co59($\alpha,3n+t$)Ni57	-42884.75 keV
Co59($\alpha,4n+d$)Ni57	-49141.97 keV
Co59($\alpha,5n+p$)Ni57	-51366.54 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT172 ($\alpha,3n+t$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Co58 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



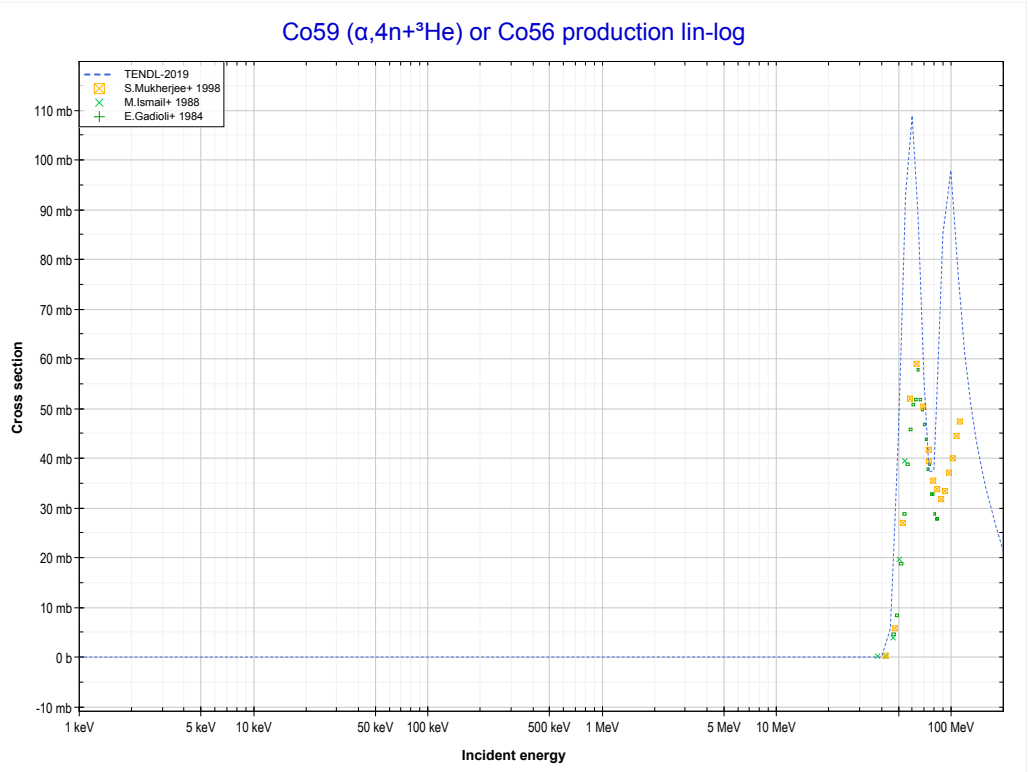
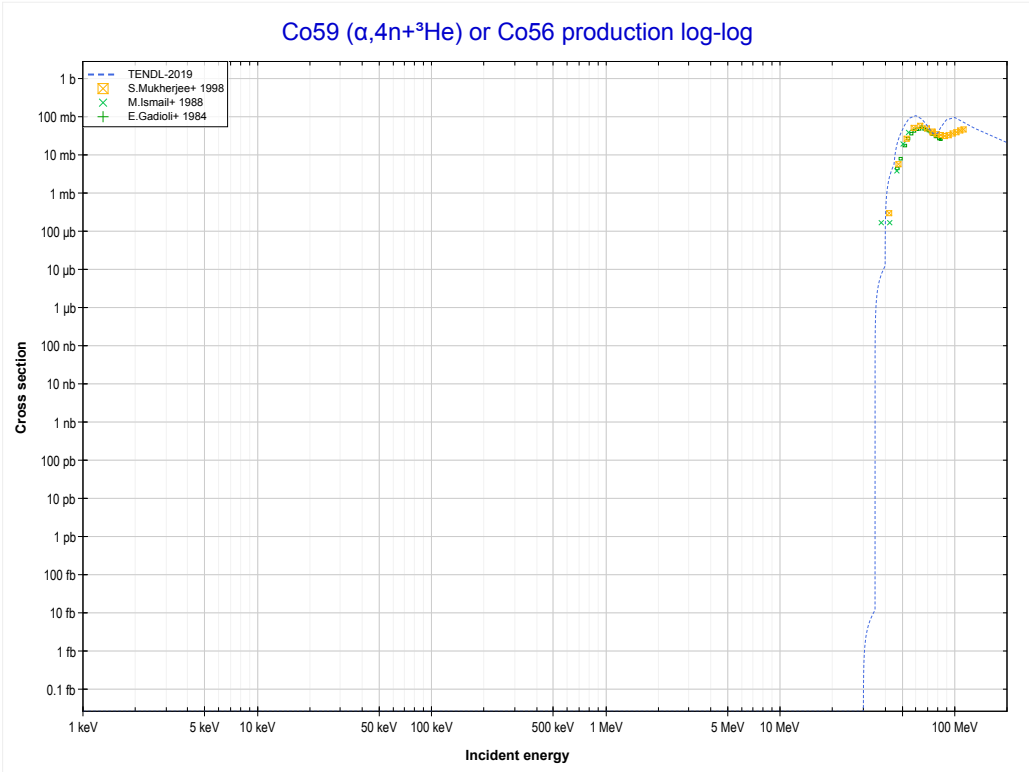
Reaction	Q-Value
Co59($\alpha,n+\alpha$)Co58	-10453.82 keV
Co59($\alpha,d+t$)Co58	-28043.12 keV
Co59($\alpha,n+p+t$)Co58	-30267.68 keV
Co59($\alpha,2n+\text{He3}$)Co58	-31031.44 keV
Co59($\alpha,n+2d$)Co58	-34300.34 keV
Co59($\alpha,2n+p+d$)Co58	-36524.91 keV
Co59($\alpha,3n+2p$)Co58	-38749.48 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Co57 production)	MT178 ($\alpha,4n+^3\text{He}$) >>



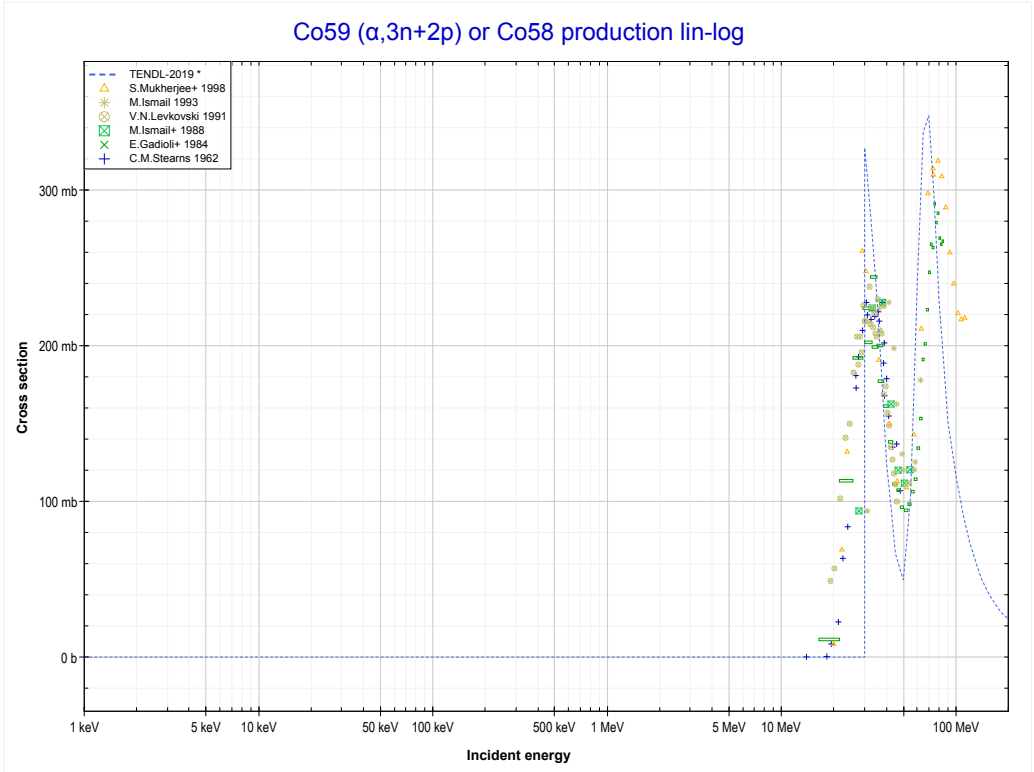
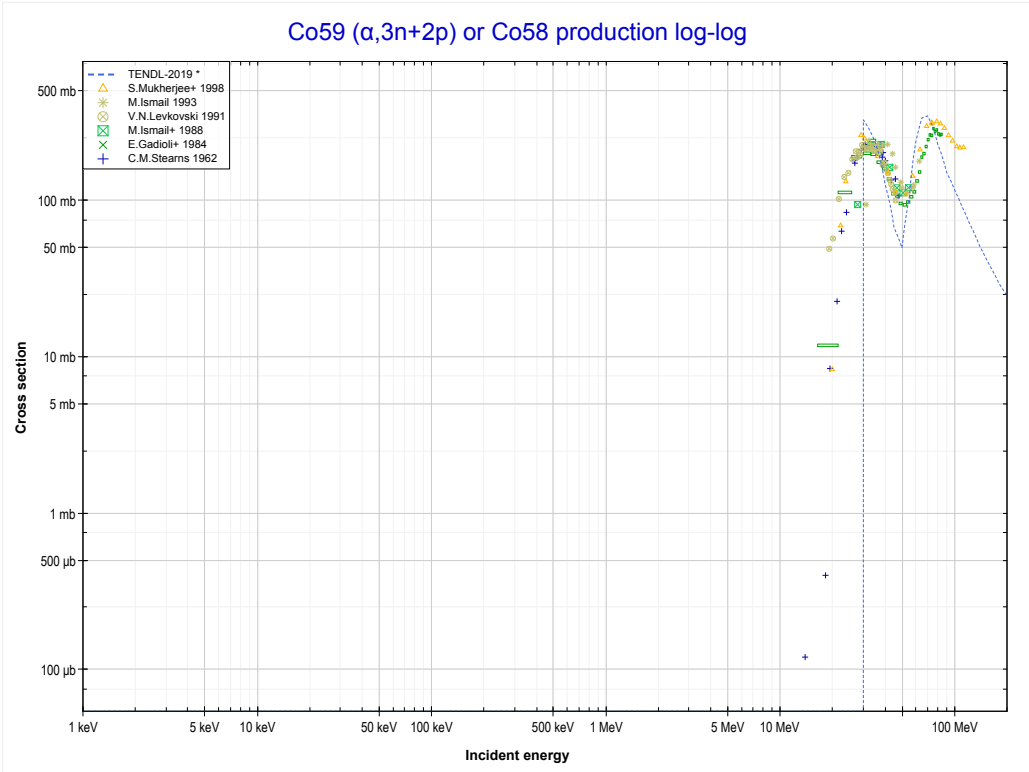
Reaction	Q-Value
Co59($\alpha,2n+\alpha$)Co57	-19026.73 keV
Co59($\alpha,2t$)Co57	-30358.80 keV
Co59($\alpha,n+d+t$)Co57	-36616.03 keV
Co59($\alpha,2n+p+t$)Co57	-38840.60 keV
Co59($\alpha,3n+\text{He3}$)Co57	-39604.35 keV
Co59($\alpha,2n+2d$)Co57	-42873.26 keV
Co59($\alpha,3n+p+d$)Co57	-45097.83 keV
Co59($\alpha,4n+2p$)Co57	-47322.39 keV

<< 25-Mn-55	27-Co-59	40-Zr-90 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT178 ($\alpha,4n+^3\text{He}$) or MT5 (Co56 production)	MT179 ($\alpha,3n+2p$) >>



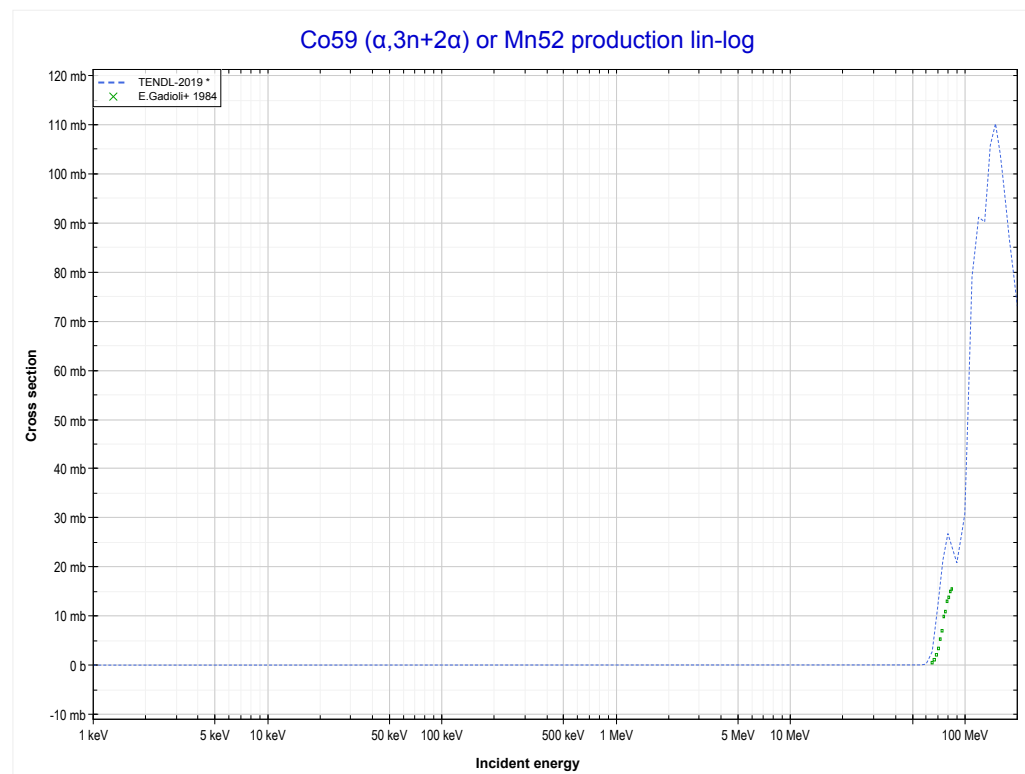
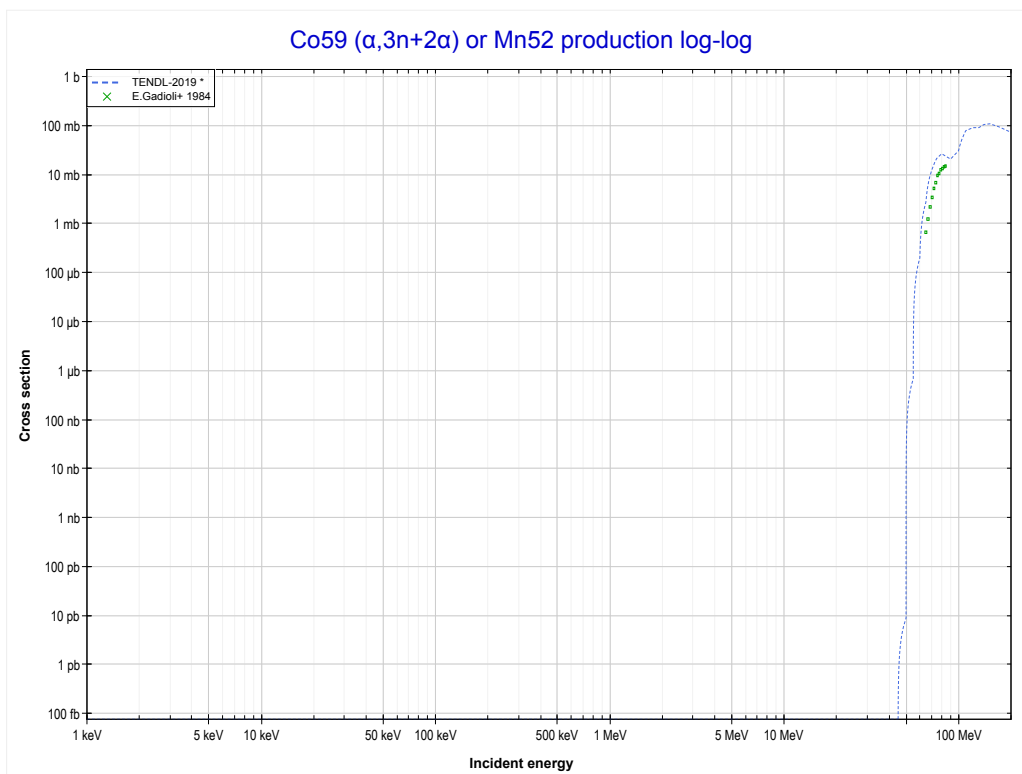
Reaction	Q-Value
Co59($\alpha,3n+\alpha$)Co56	-30403.25 keV
Co59($\alpha,n+2t$)Co56	-41735.32 keV
Co59($\alpha,2n+d+t$)Co56	-47992.55 keV
Co59($\alpha,3n+p+t$)Co56	-50217.12 keV
Co59($\alpha,4n+\text{He3}$)Co56	-50980.87 keV
Co59($\alpha,3n+2d$)Co56	-54249.78 keV
Co59($\alpha,4n+p+d$)Co56	-56474.35 keV
Co59($\alpha,5n+2p$)Co56	-58698.91 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Co58 production)	MT180 ($\alpha,3n+2\alpha$) >>



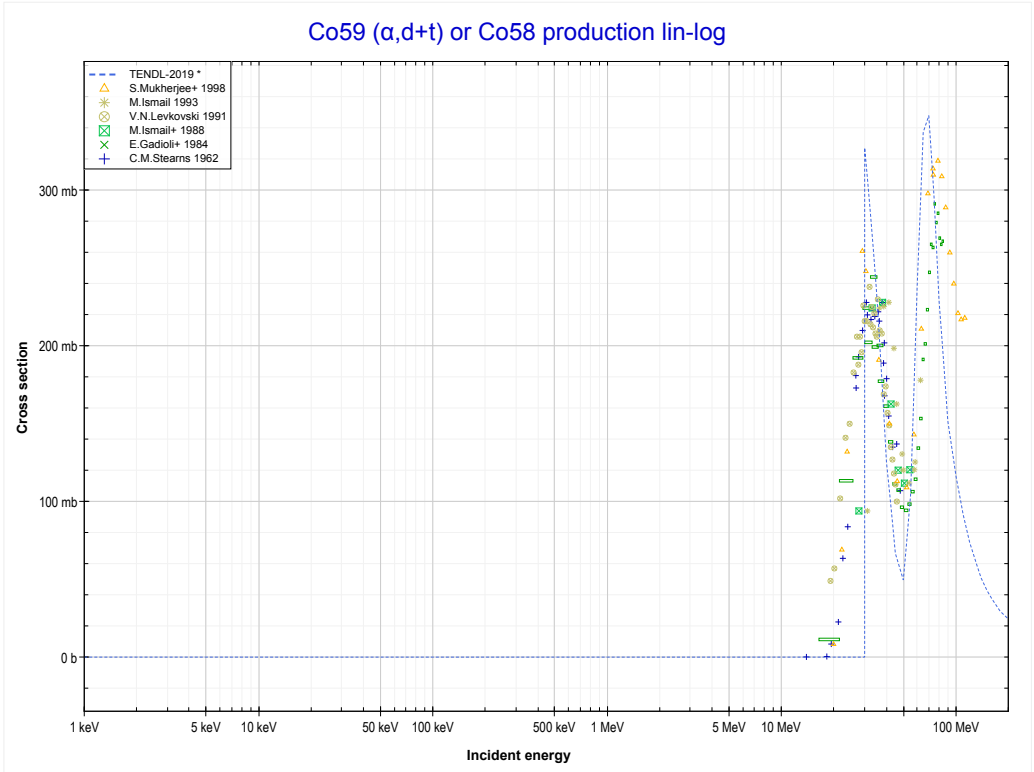
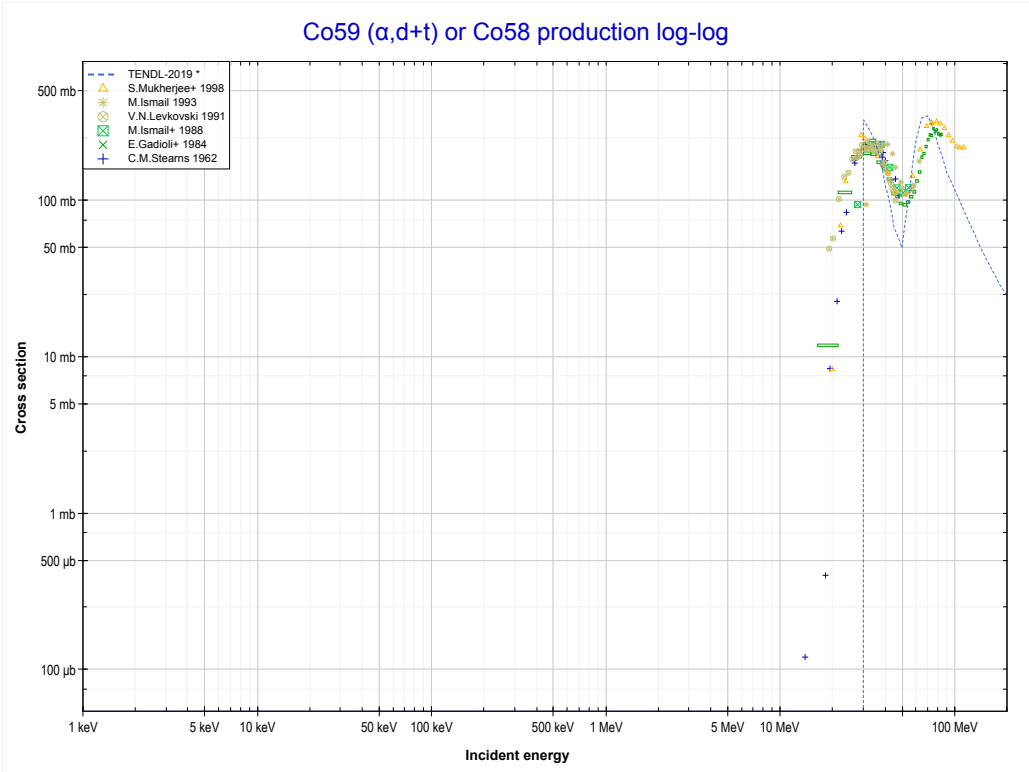
Reaction	Q-Value
Co59($\alpha,n+\alpha$)Co58	-10453.82 keV
Co59($\alpha,d+t$)Co58	-28043.12 keV
Co59($\alpha,n+p+t$)Co58	-30267.68 keV
Co59($\alpha,2n+\text{He3}$)Co58	-31031.44 keV
Co59($\alpha,n+2d$)Co58	-34300.34 keV
Co59($\alpha,2n+p+d$)Co58	-36524.91 keV
Co59($\alpha,3n+2p$)Co58	-38749.48 keV

<< 23-V-51	27-Co-59	41-Nb-93 >>
<< MT179 ($\alpha, 3n+2p$)	MT180 ($\alpha, 3n+2\alpha$) or MT5 (Mn52 production)	MT182 ($\alpha, d+t$) >>



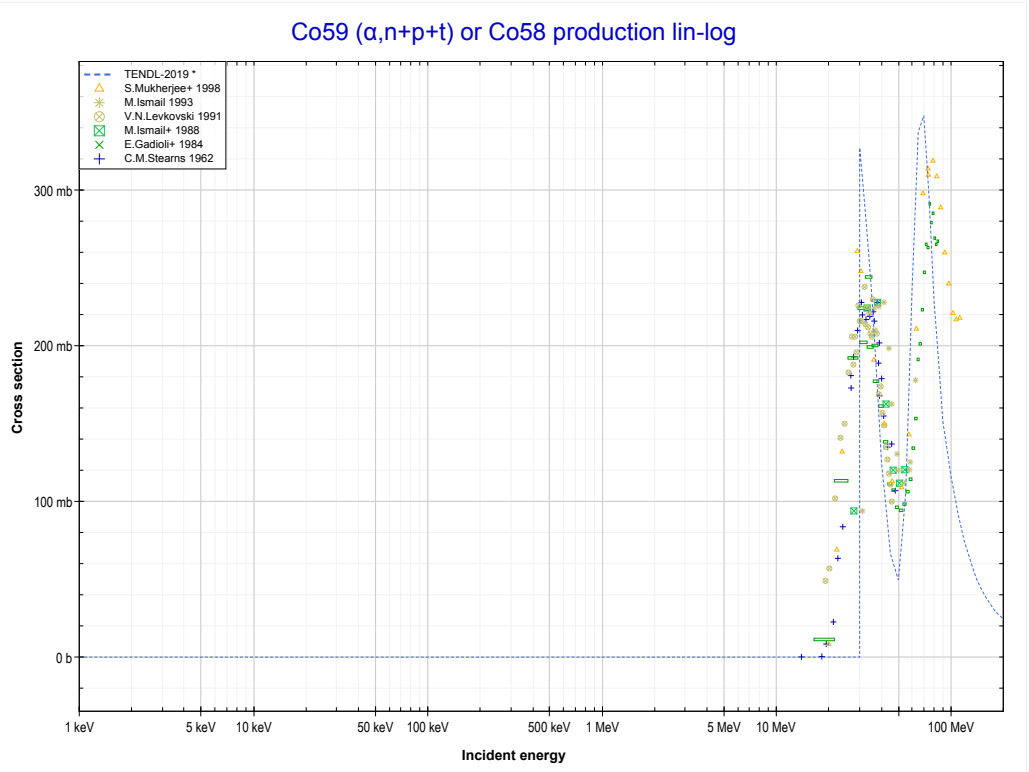
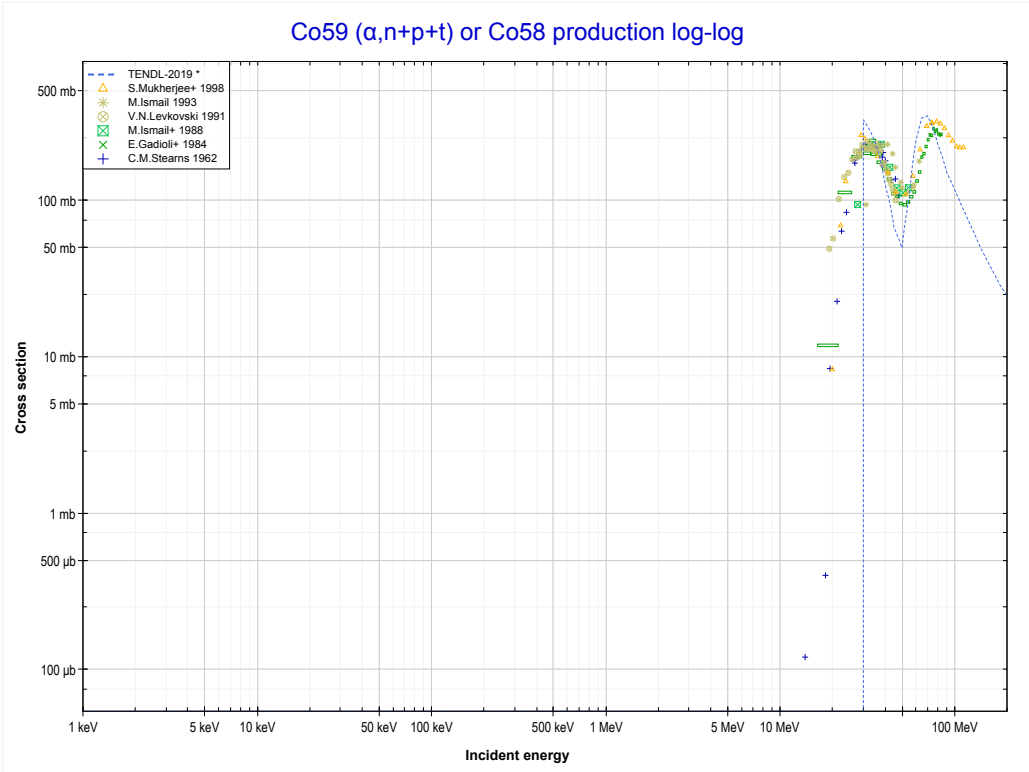
Reaction	Q-Value	Reaction	Q-Value
Co59($\alpha, 3n+2\alpha$)Mn52	-38161.27 keV	Co59($\alpha, d+3t$)Mn52	-67082.64 keV
Co59($\alpha, n+2t+\alpha$)Mn52	-49493.34 keV	Co59($\alpha, n+p+3t$)Mn52	-69307.20 keV
Co59($\alpha, 2n+d+t+\alpha$)Mn52	-55750.57 keV	Co59($\alpha, 2n+2t+He3$)Mn52	-70070.96 keV
Co59($\alpha, 3n+p+t+\alpha$)Mn52	-57975.13 keV	Co59($\alpha, n+2d+2t$)Mn52	-73339.86 keV
Co59($\alpha, 4n+He3+\alpha$)Mn52	-58738.89 keV	Co59($\alpha, 2n+p+d+2t$)Mn52	-75564.43 keV
Co59($\alpha, 3n+2d+\alpha$)Mn52	-62007.79 keV	Co59($\alpha, 3n+d+t+He3$)Mn52	-76328.19 keV
Co59($\alpha, 4n+p+d+\alpha$)Mn52	-64232.36 keV	Co59($\alpha, 3n+2p+2t$)Mn52	-77789.00 keV
Co59($\alpha, 5n+2p+\alpha$)Mn52	-66456.93 keV	Co59($\alpha, 4n+p+t+He3$)Mn52	-78552.75 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT180 ($\alpha,3n+2\alpha$)	MT182 ($\alpha,d+t$) or MT5 (Co58 production)	MT184 ($\alpha,n+p+t$) >>



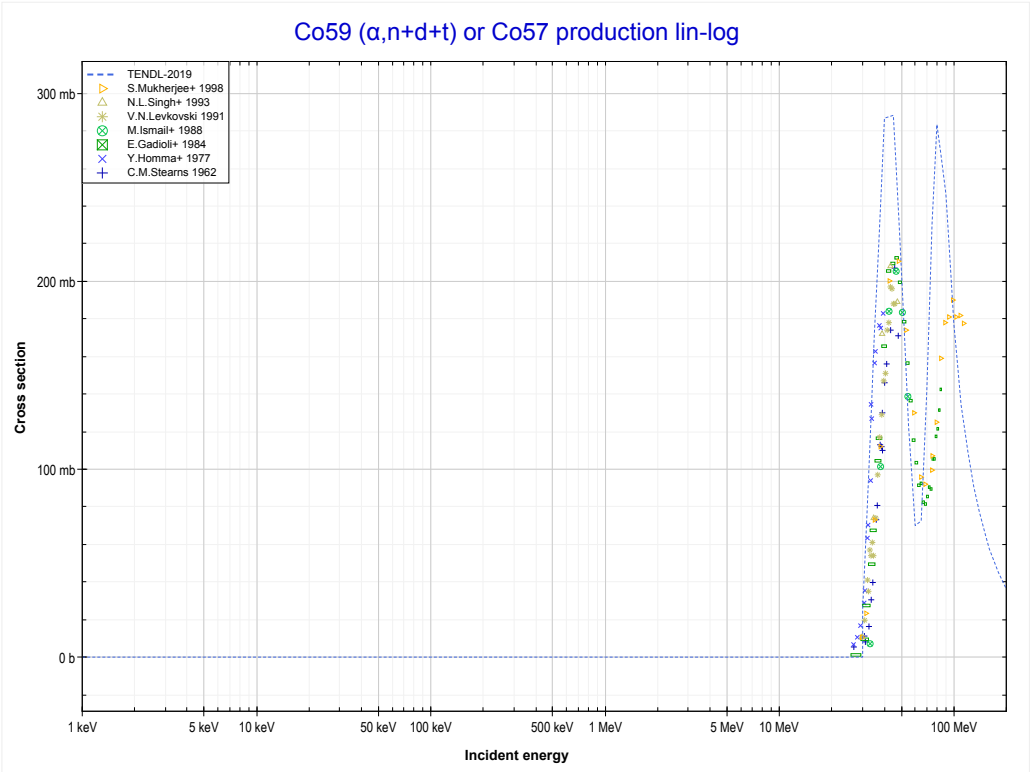
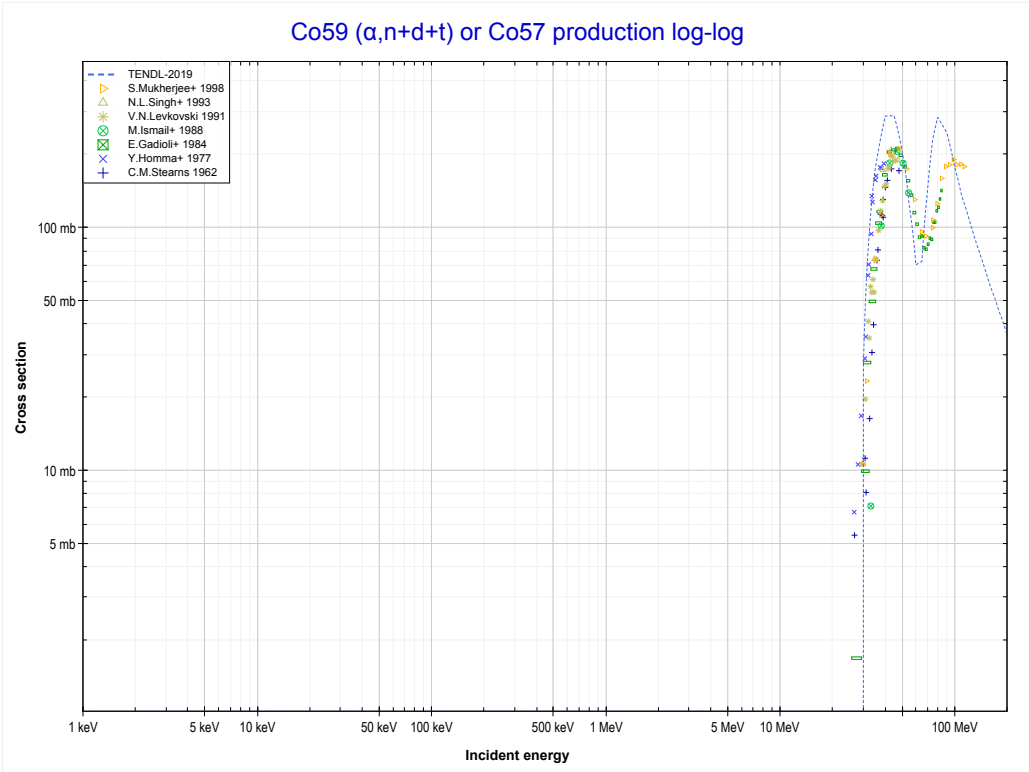
Reaction	Q-Value
Co59($\alpha,n+\alpha$)Co58	-10453.82 keV
Co59($\alpha,d+t$)Co58	-28043.12 keV
Co59($\alpha,n+p+t$)Co58	-30267.68 keV
Co59($\alpha,2n+He3$)Co58	-31031.44 keV
Co59($\alpha,n+2d$)Co58	-34300.34 keV
Co59($\alpha,2n+p+d$)Co58	-36524.91 keV
Co59($\alpha,3n+2p$)Co58	-38749.48 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Co58 production)	MT185 (α,n+d+t) >>



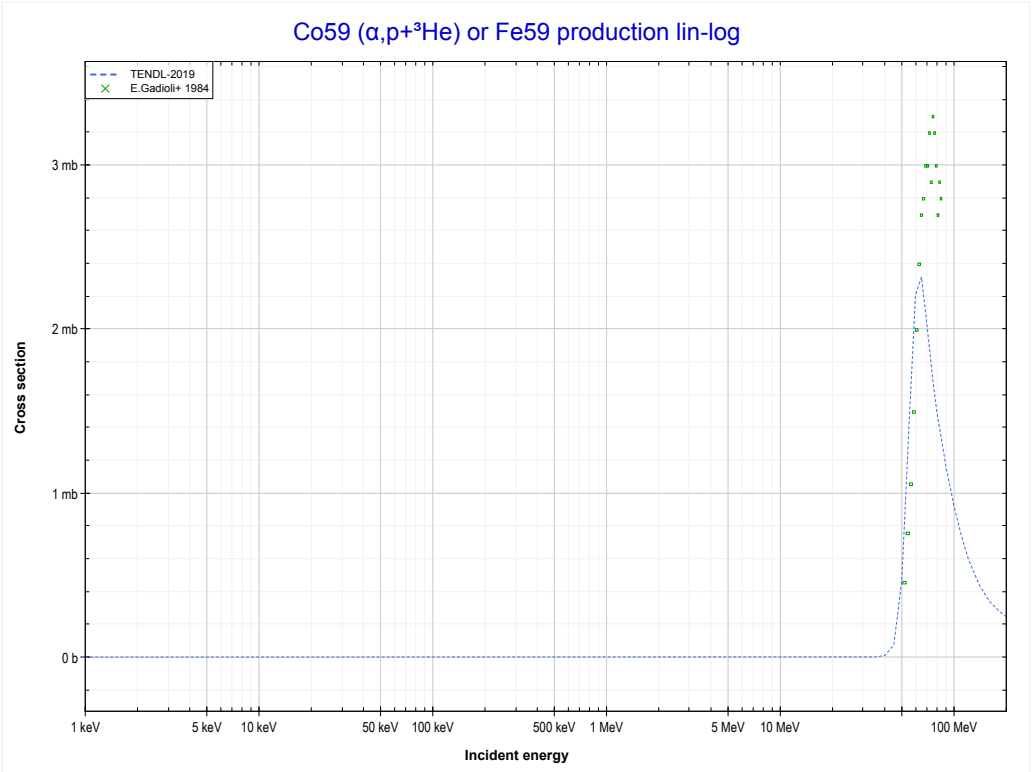
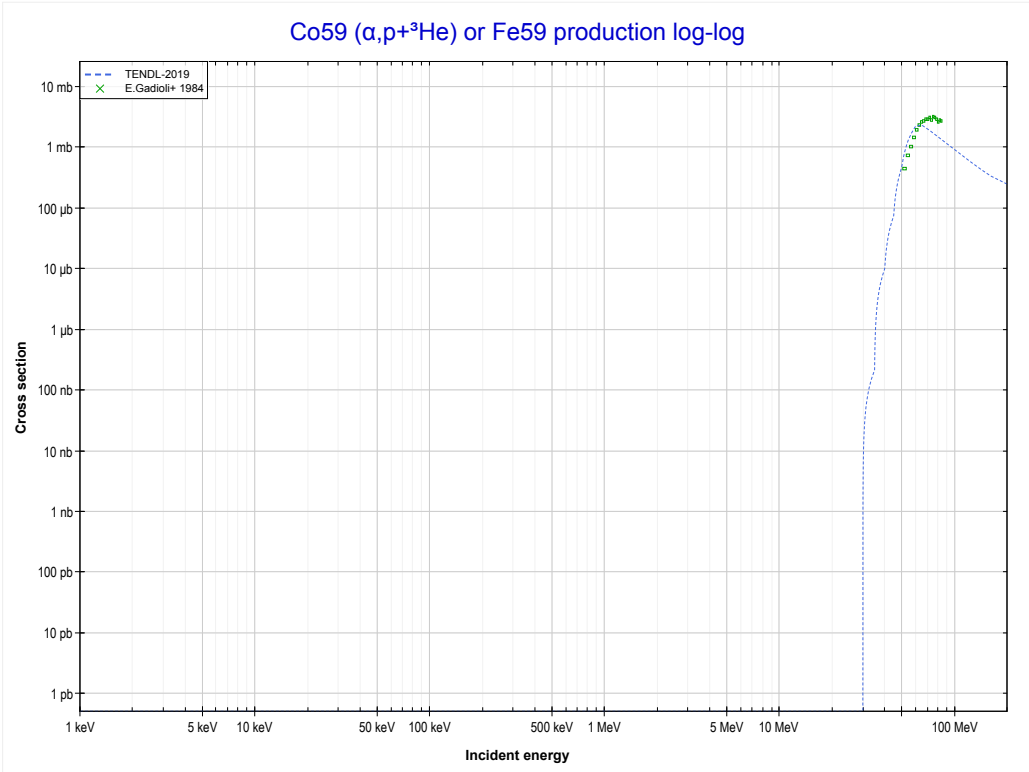
Reaction	Q-Value
Co59(α,n+α)Co58	-10453.82 keV
Co59(α,d+t)Co58	-28043.12 keV
Co59(α,n+p+t)Co58	-30267.68 keV
Co59(α,2n+He3)Co58	-31031.44 keV
Co59(α,n+2d)Co58	-34300.34 keV
Co59(α,2n+p+d)Co58	-36524.91 keV
Co59(α,3n+2p)Co58	-38749.48 keV

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT184 (α ,n+p+t)	MT185 (α ,n+d+t) or MT5 (Co57 production)	MT191 (α ,p+ ^{3} He) >>



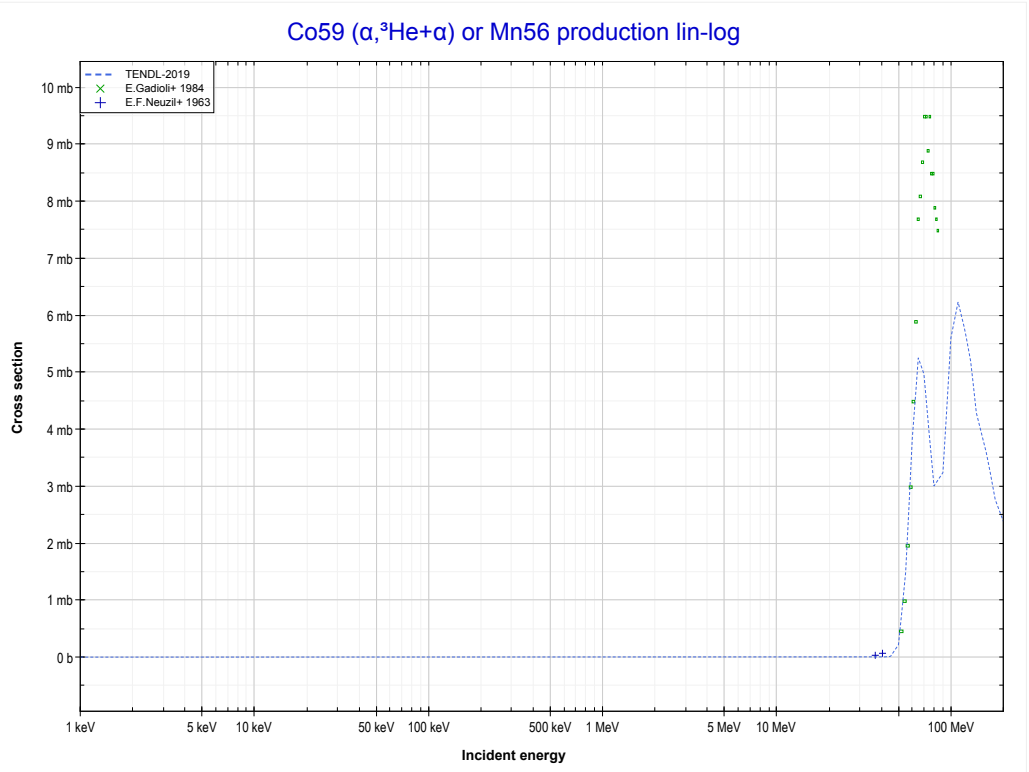
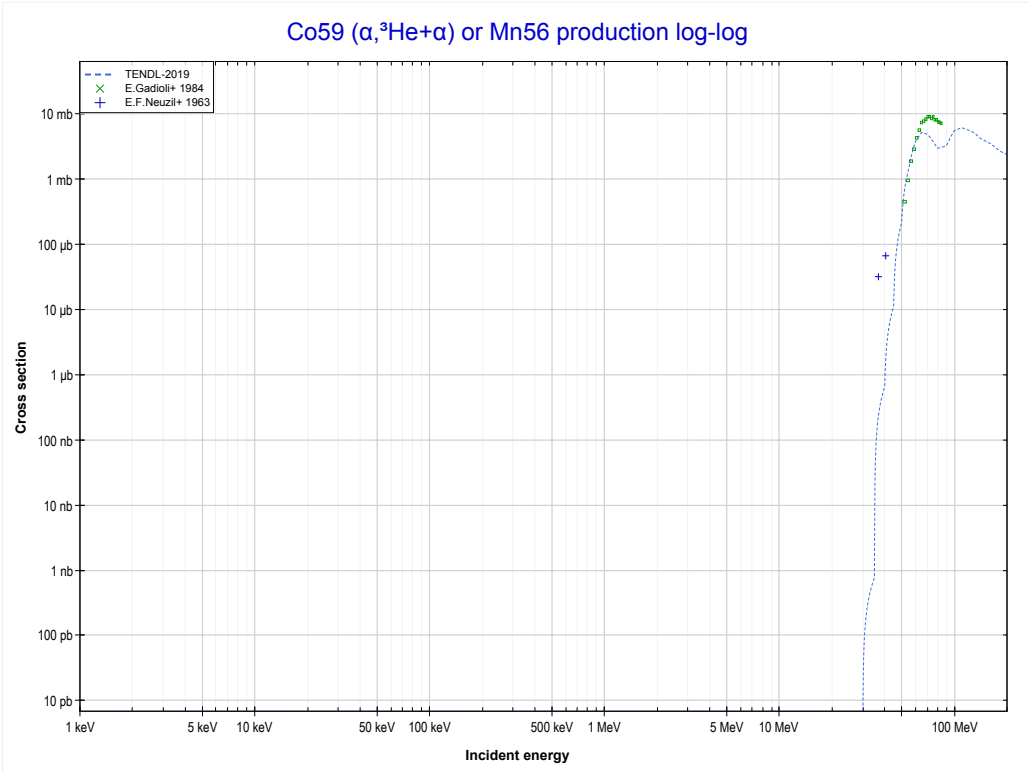
Reaction	Q-Value
Co59(α ,2n+ α)Co57	-19026.73 keV
Co59(α ,2t)Co57	-30358.80 keV
Co59(α ,n+d+t)Co57	-36616.03 keV
Co59(α ,2n+p+t)Co57	-38840.60 keV
Co59(α ,3n+He3)Co57	-39604.35 keV
Co59(α ,2n+2d)Co57	-42873.26 keV
Co59(α ,3n+p+d)Co57	-45097.83 keV
Co59(α ,4n+2p)Co57	-47322.39 keV

<< 13-Al-27	27-Co-59	28-Ni-58 >>
<< MT185 (α ,n+d+t)	MT191 (α ,p+ ^3He) or MT5 (Fe59 production)	MT193 (α , ^3He + α) >>



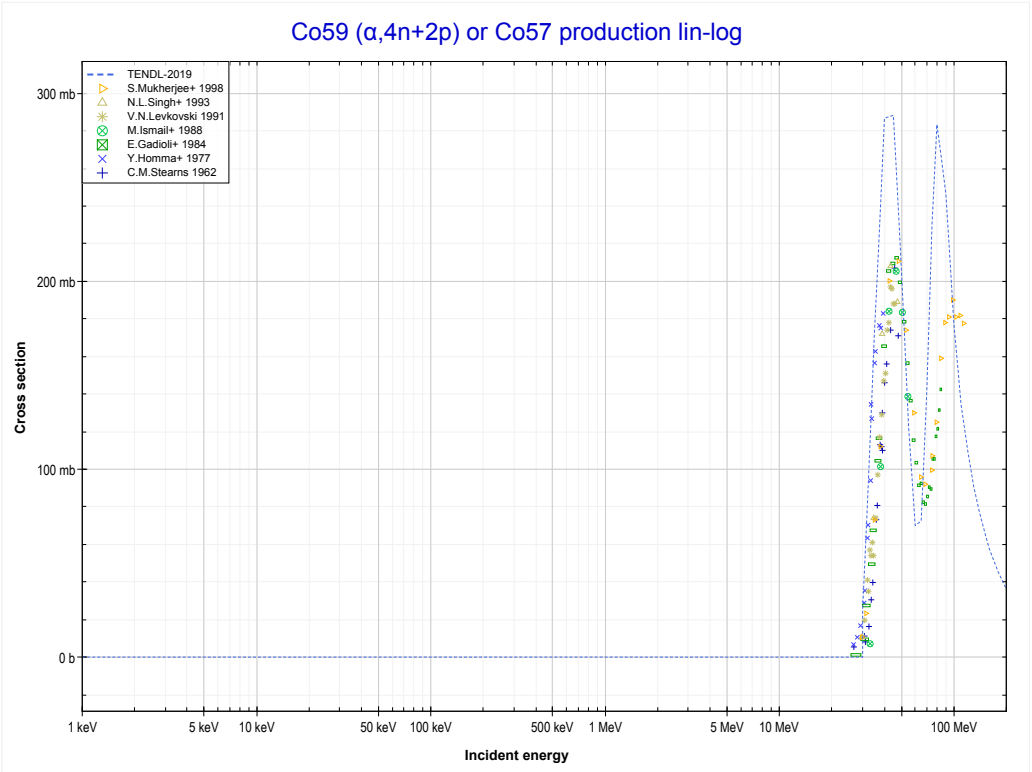
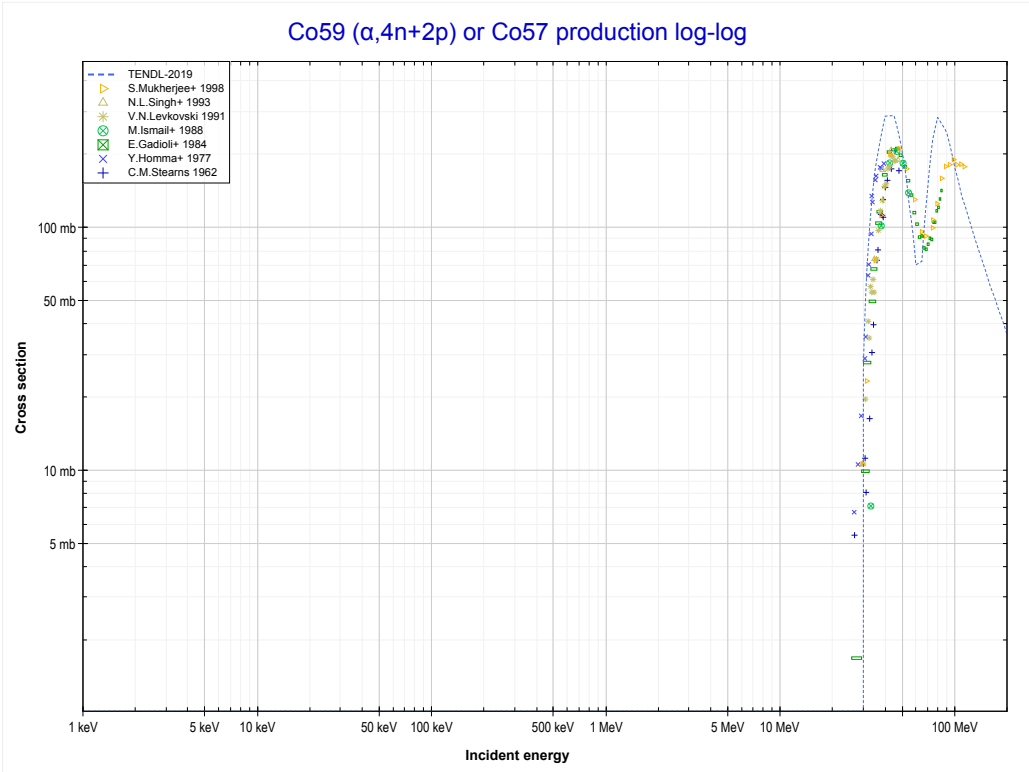
Reaction	Q-Value
Co59(α ,p+He3)Fe59	-21360.17 keV
Co59(α ,2p+d)Fe59	-26853.65 keV
Co59(α ,n+3p)Fe59	-29078.21 keV

<< 23-V-51	27-Co-59	28-Ni-58 >>
<< MT191 (α ,p+ ^3He)	MT193 (α , $^3\text{He}+\alpha$) or MT5 (Mn56 production)	MT194 (α ,4n+2p) >>



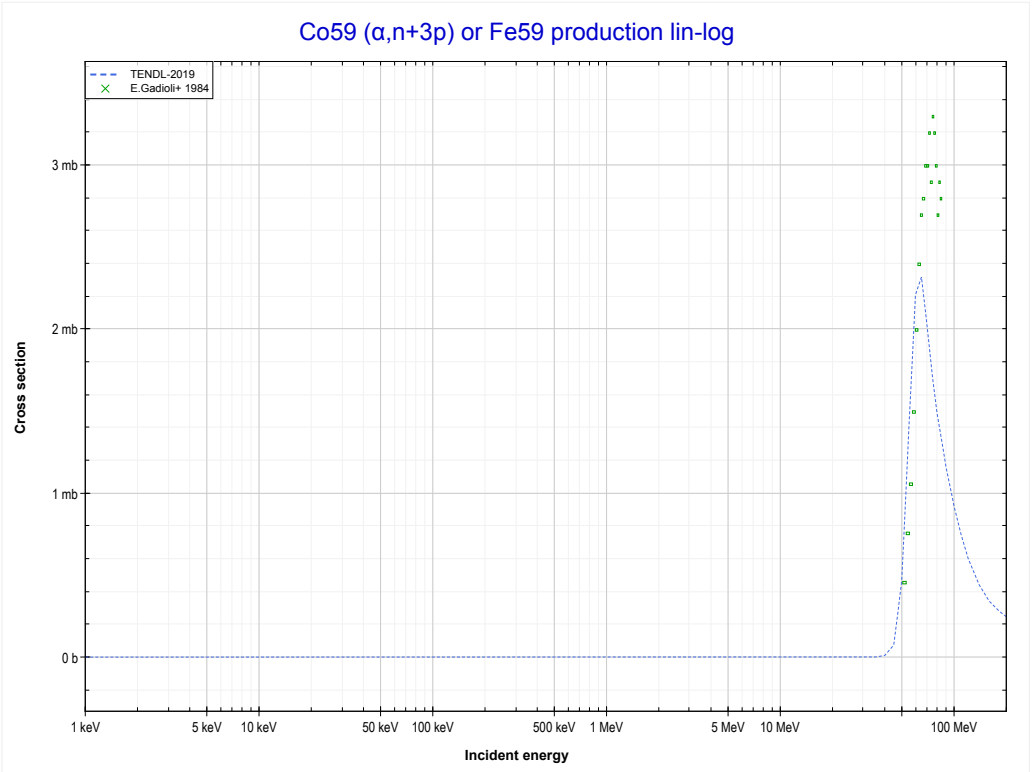
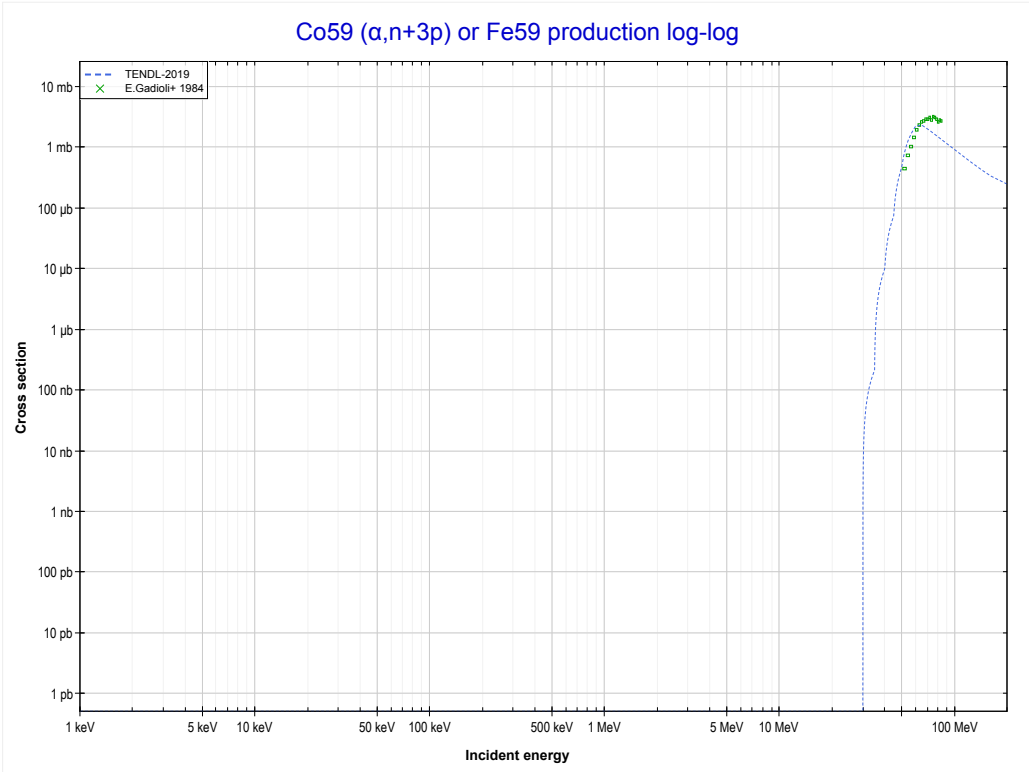
Reaction	Q-Value	Reaction	Q-Value
Co59(α ,He3+ α)Mn56	-20249.42 keV	Co59(α ,n+3p+t)Mn56	-47781.32 keV
Co59(α ,p+d+ α)Mn56	-25742.89 keV	Co59(α ,2n+2p+He3)Mn56	-48545.08 keV
Co59(α ,n+2p+ α)Mn56	-27967.46 keV	Co59(α ,p+3d)Mn56	-49589.42 keV
Co59(α ,p+t+He3)Mn56	-40063.28 keV	Co59(α ,n+2p+2d)Mn56	-51813.99 keV
Co59(α ,n+2He3)Mn56	-40827.04 keV	Co59(α ,2n+3p+d)Mn56	-54038.55 keV
Co59(α ,2d+He3)Mn56	-44095.95 keV	Co59(α ,3n+4p)Mn56	-56263.12 keV
Co59(α ,2p+d+t)Mn56	-45556.76 keV		
Co59(α ,n+p+d+He3)Mn56	-46320.51 keV		

<< 26-Fe-54	27-Co-59	28-Ni-58 >>
<< MT193 (α , $^3\text{He}+\alpha$)	MT194 (α ,4n+2p) or MT5 (Co57 production)	MT198 (α ,n+3p) >>



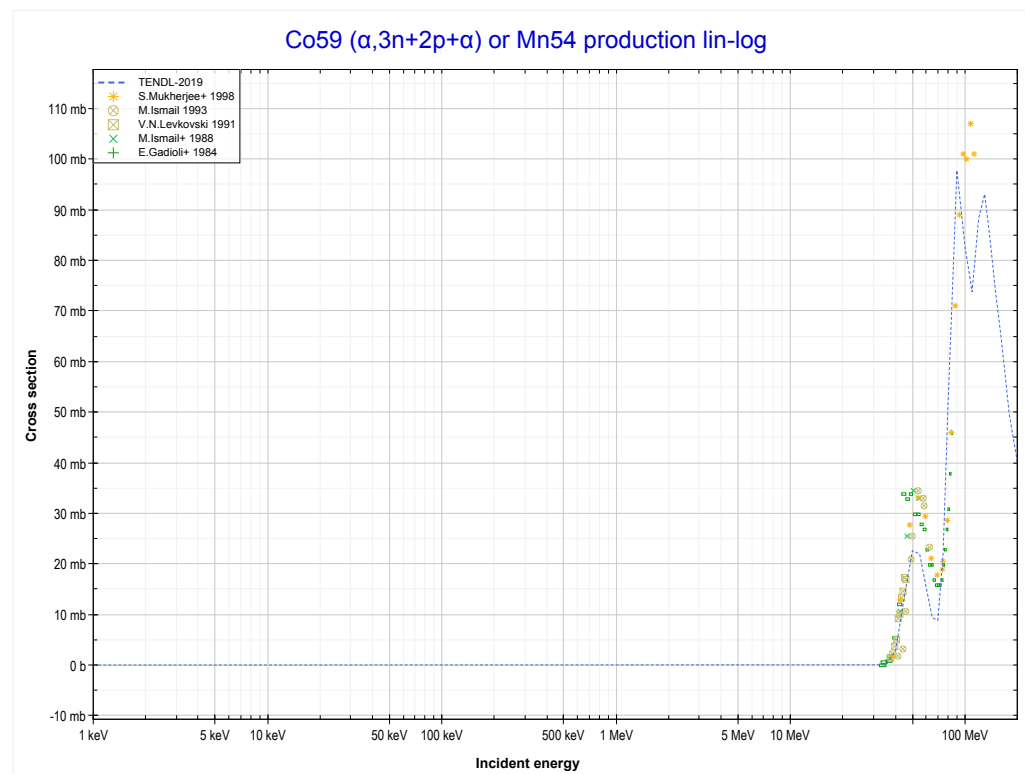
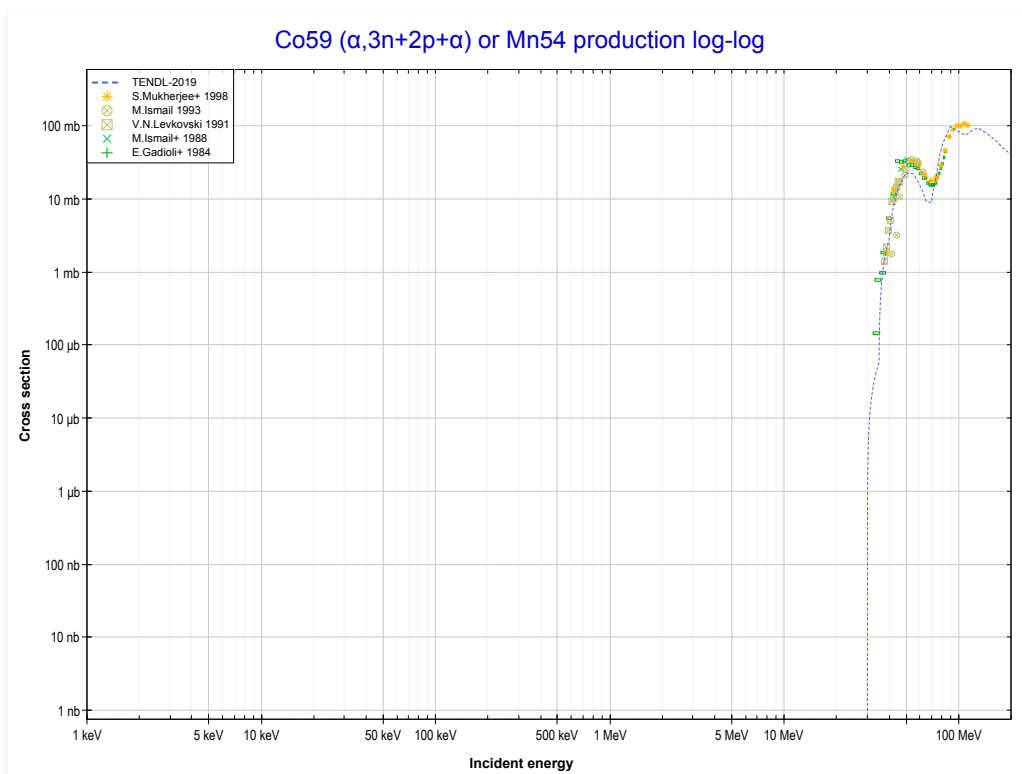
Reaction	Q-Value
Co59(α ,2n+ α)Co57	-19026.73 keV
Co59(α ,2t)Co57	-30358.80 keV
Co59(α ,n+d+t)Co57	-36616.03 keV
Co59(α ,2n+p+t)Co57	-38840.60 keV
Co59(α ,3n+He3)Co57	-39604.35 keV
Co59(α ,2n+2d)Co57	-42873.26 keV
Co59(α ,3n+p+d)Co57	-45097.83 keV
Co59(α ,4n+2p)Co57	-47322.39 keV

<< 13-Al-27	27-Co-59	28-Ni-58 >>
<< MT194 ($\alpha,4n+2p$)	MT198 ($\alpha,n+3p$) or MT5 (Fe59 production)	MT199 ($\alpha,3n+2p+\alpha$) >>



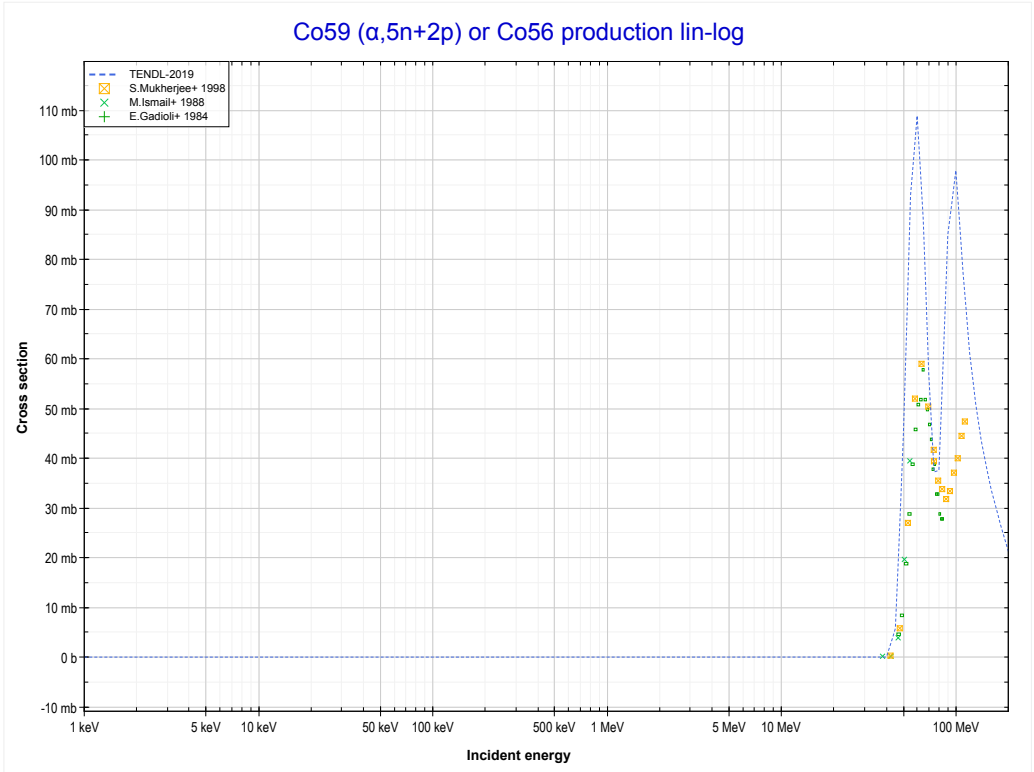
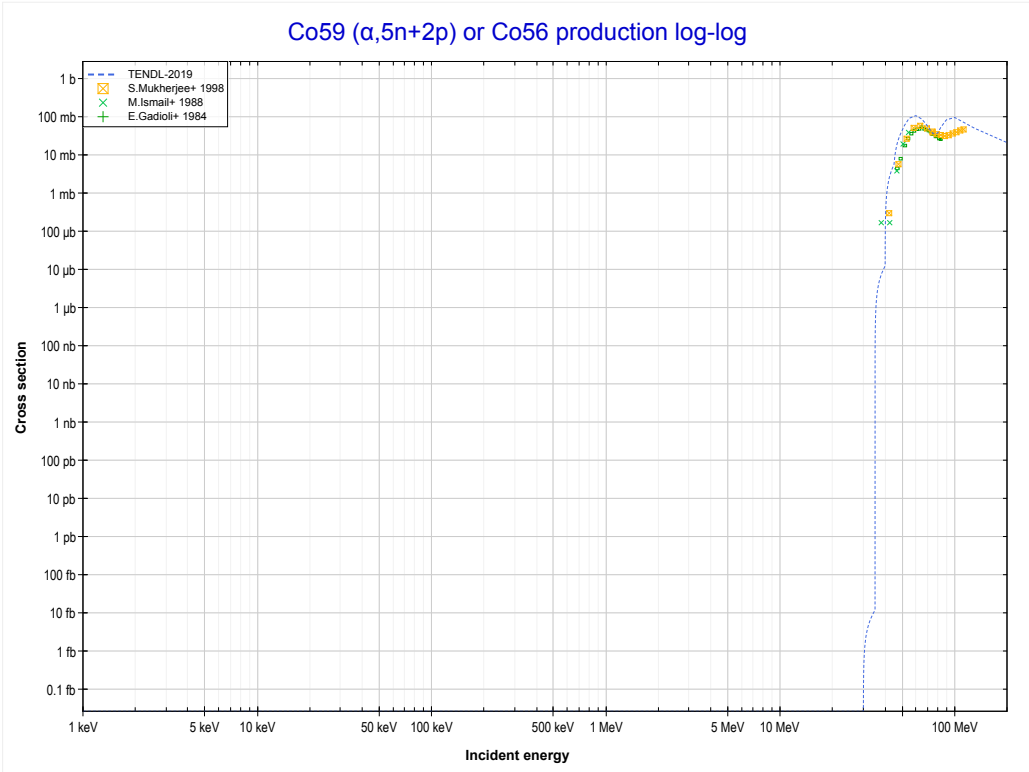
Reaction	Q-Value
Co59(α,p +He3)Fe59	-21360.17 keV
Co59($\alpha,2p$ +d)Fe59	-26853.65 keV
Co59($\alpha,n+3p$)Fe59	-29078.21 keV

<< 23-V-51	27-Co-59	29-Cu-63 >>
<< MT198 ($\alpha, n+3p$)	MT199 ($\alpha, 3n+2p+\alpha$) or MT5 (Mn54 production)	MT200 ($\alpha, 5n+2p$) >>



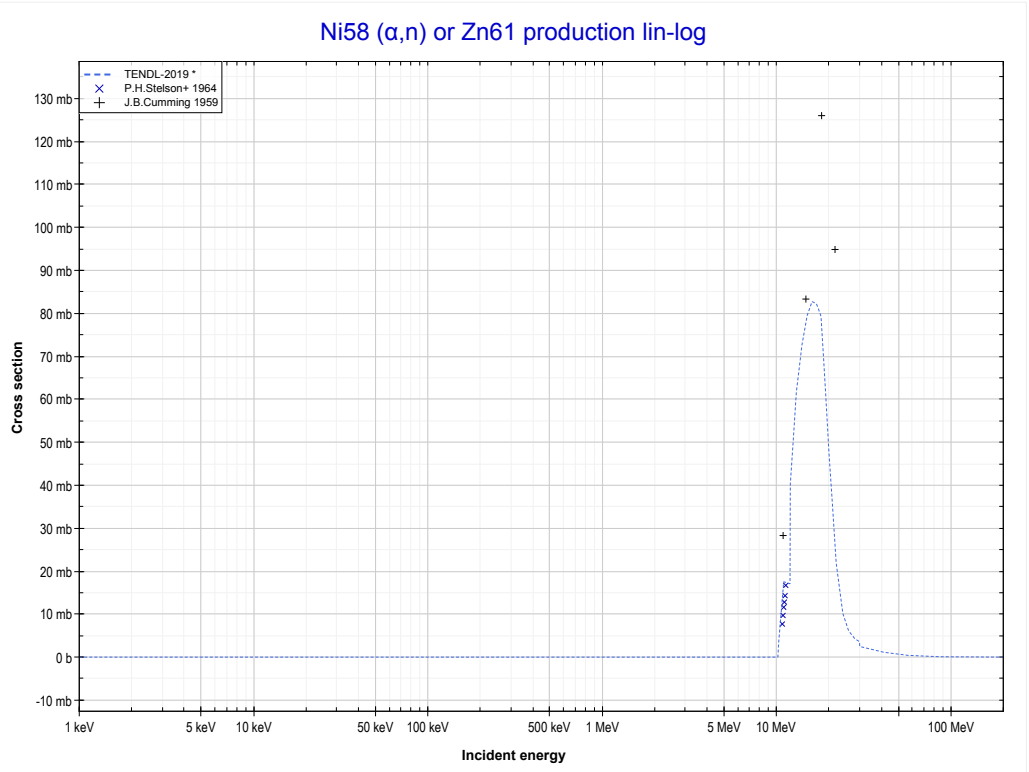
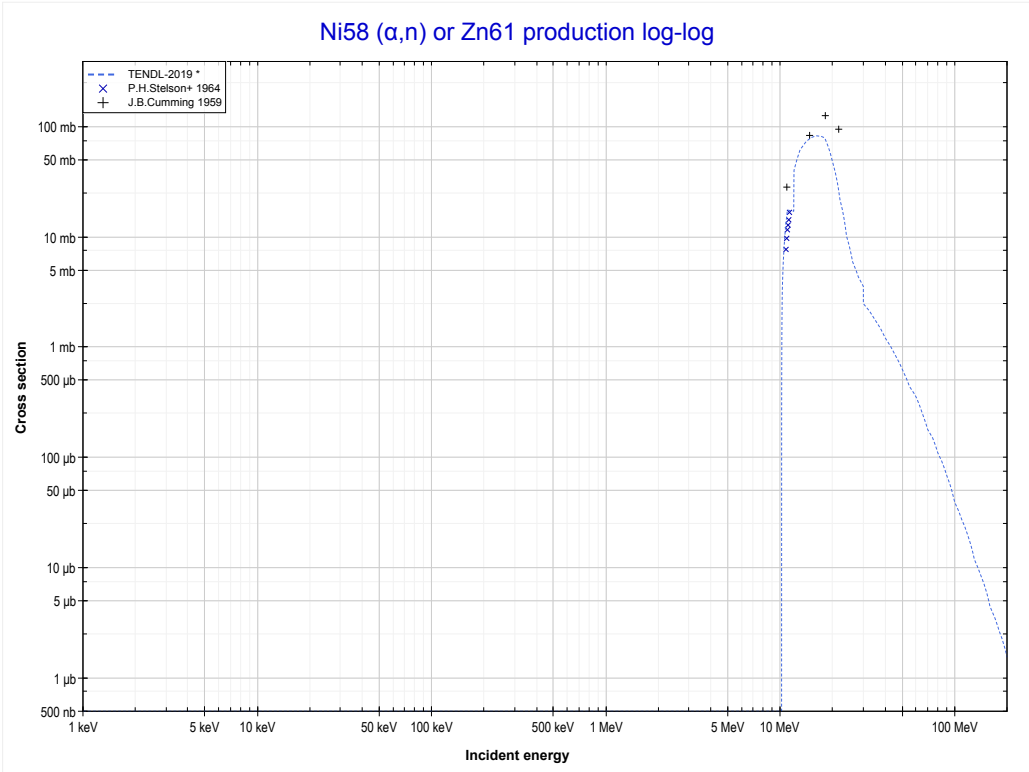
Reaction	Q-Value	Reaction	Q-Value
Co59($\alpha, n+2\alpha$)Mn54	-17168.33 keV	Co59($\alpha, p+d+2t$)Mn54	-54571.50 keV
Co59($\alpha, d+t+\alpha$)Mn54	-34757.63 keV	Co59($\alpha, n+d+t+He3$)Mn54	-55335.25 keV
Co59($\alpha, n+p+t+\alpha$)Mn54	-36982.20 keV	Co59($\alpha, n+2p+2t$)Mn54	-56796.06 keV
Co59($\alpha, 2n+He3+\alpha$)Mn54	-37745.95 keV	Co59($\alpha, 2n+p+t+He3$)Mn54	-57559.82 keV
Co59($\alpha, n+2d+\alpha$)Mn54	-41014.86 keV	Co59($\alpha, 3n+2He3$)Mn54	-58323.57 keV
Co59($\alpha, 2n+p+d+\alpha$)Mn54	-43239.43 keV	Co59($\alpha, 3d+t$)Mn54	-58604.16 keV
Co59($\alpha, 3n+2p+\alpha$)Mn54	-45463.99 keV	Co59($\alpha, n+p+2d+t$)Mn54	-60828.73 keV
Co59($\alpha, 2t+He3$)Mn54	-49078.02 keV	Co59($\alpha, 2n+2d+He3$)Mn54	-61592.48 keV

<< 25-Mn-55	27-Co-59	40-Zr-90 >>
<< MT199 ($\alpha,3n+2p+\alpha$)	MT200 ($\alpha,5n+2p$) or MT5 (Co56 production)	28-Ni-58 MT4 (α,n) >>



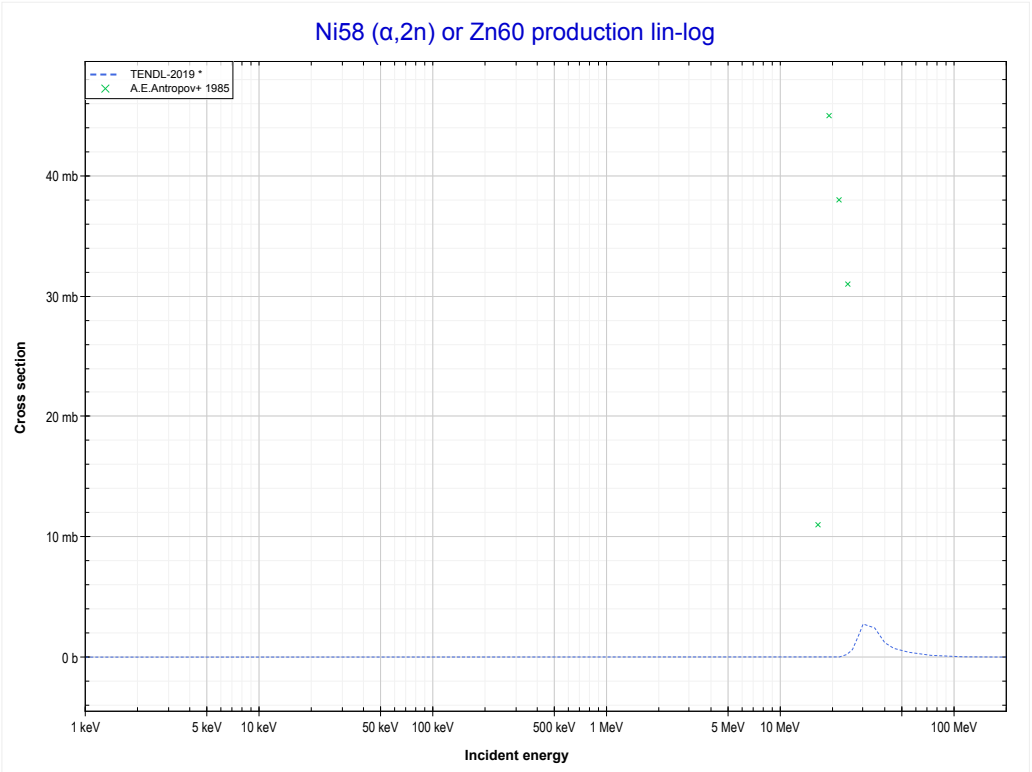
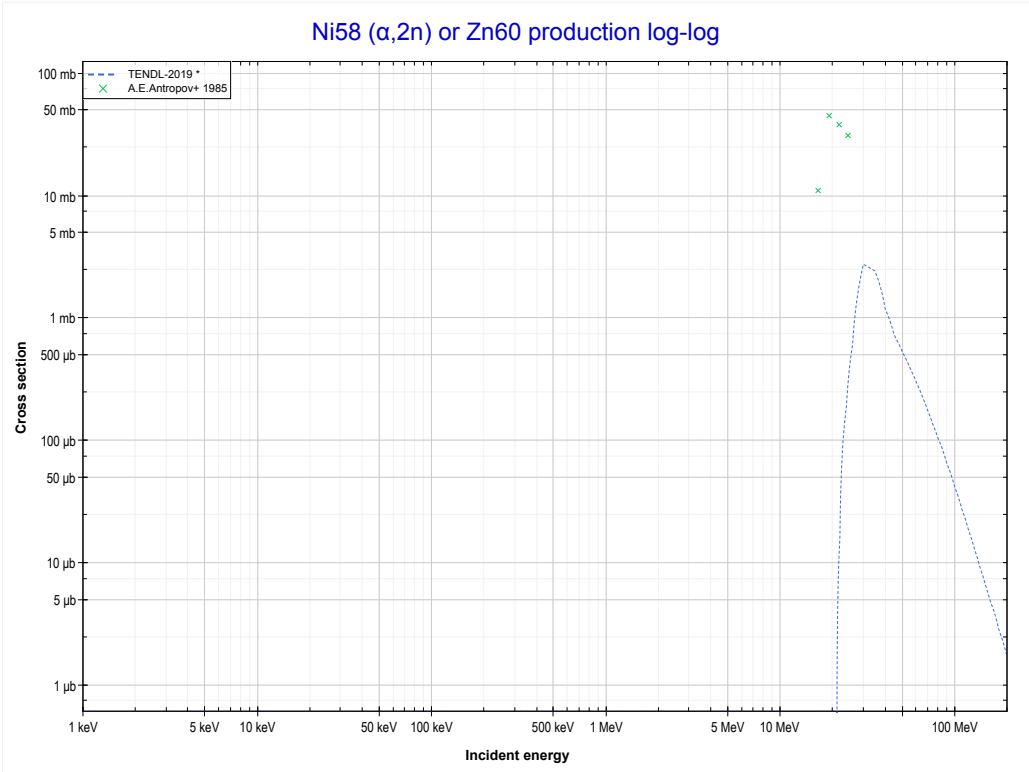
Reaction	Q-Value
Co59($\alpha,3n+\alpha$)Co56	-30403.25 keV
Co59($\alpha,n+2t$)Co56	-41735.32 keV
Co59($\alpha,2n+d+t$)Co56	-47992.55 keV
Co59($\alpha,3n+p+t$)Co56	-50217.12 keV
Co59($\alpha,4n+He3$)Co56	-50980.87 keV
Co59($\alpha,3n+2d$)Co56	-54249.78 keV
Co59($\alpha,4n+p+d$)Co56	-56474.35 keV
Co59($\alpha,5n+2p$)Co56	-58698.91 keV

<< 27-Co-59	28-Ni-58	28-Ni-60 >>
<< 27-Co-59 MT200 (α ,5n+2p)	MT4 (α ,n) or MT5 (Zn61 production)	MT16 (α ,2n) >>



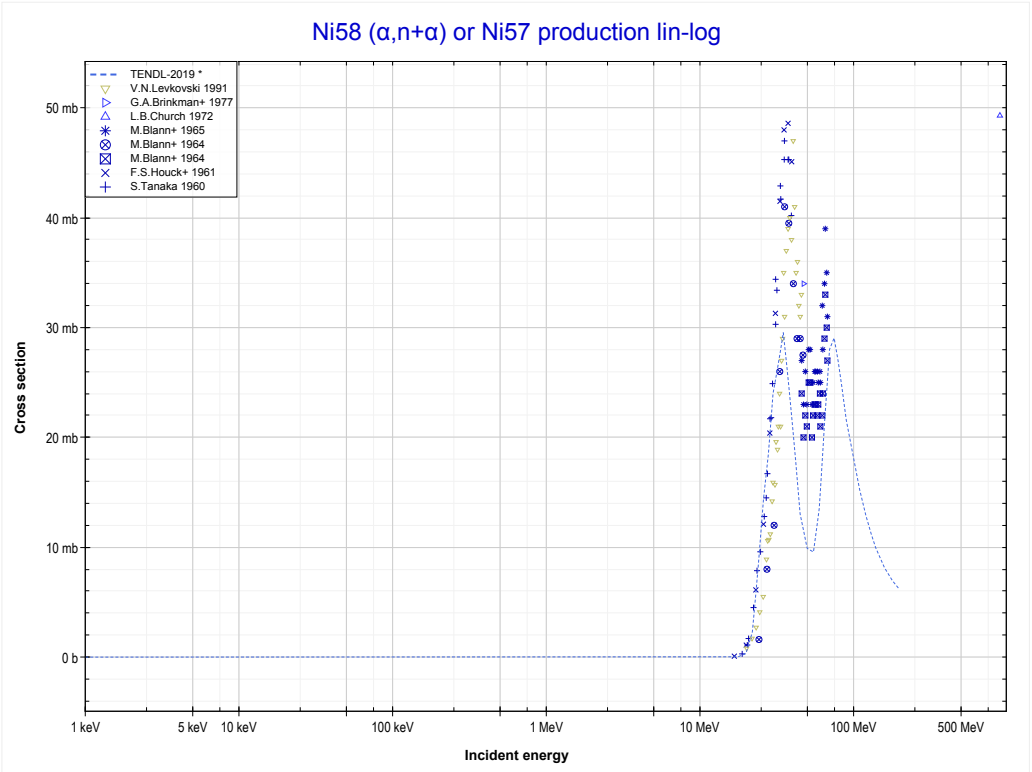
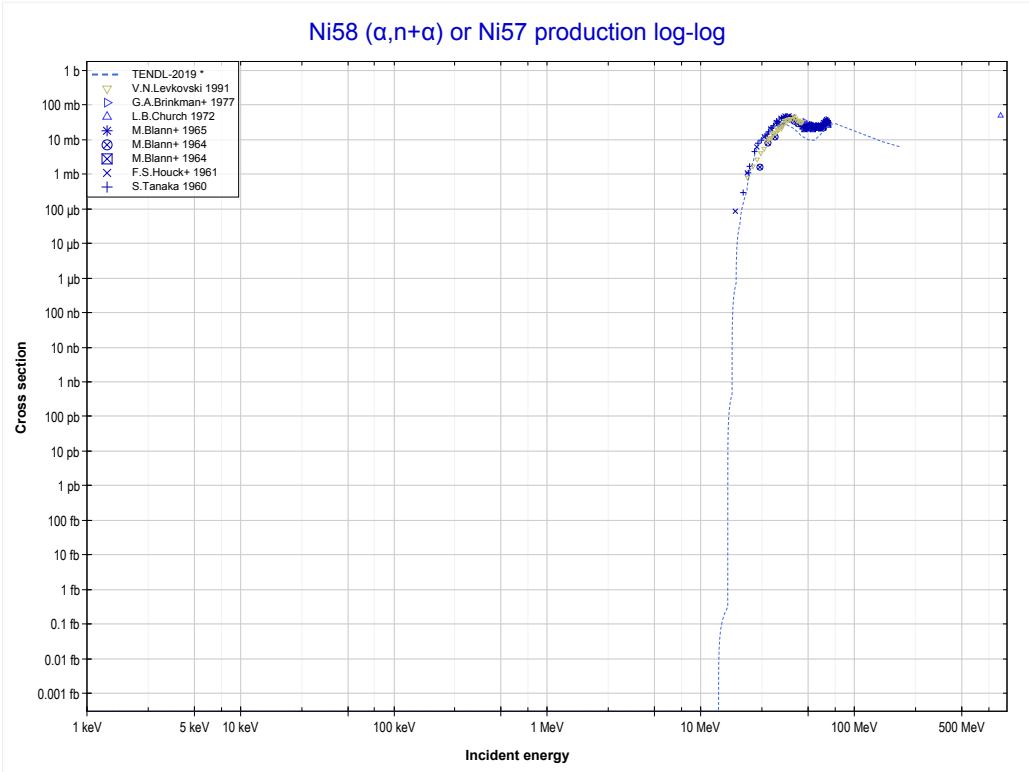
Reaction	Q-Value
Ni58(α ,n)Zn61	-9526.10 keV

<< 27-Co-59	28-Ni-58	28-Ni-60 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Zn60 production)	MT22 (α,n+α) >>



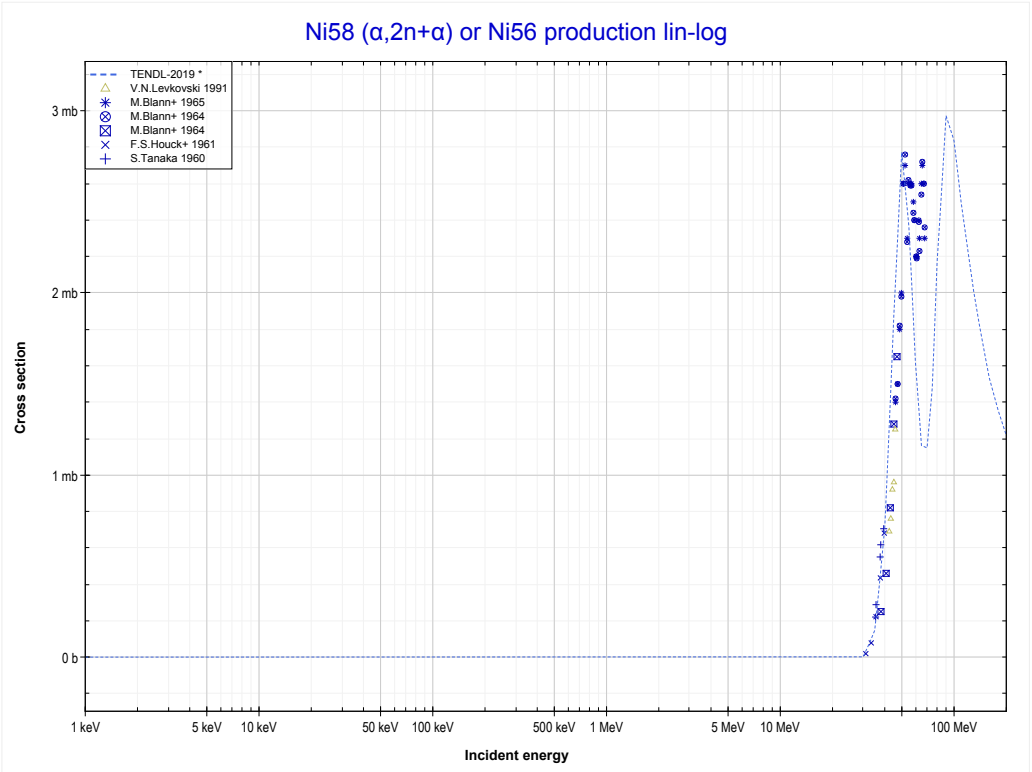
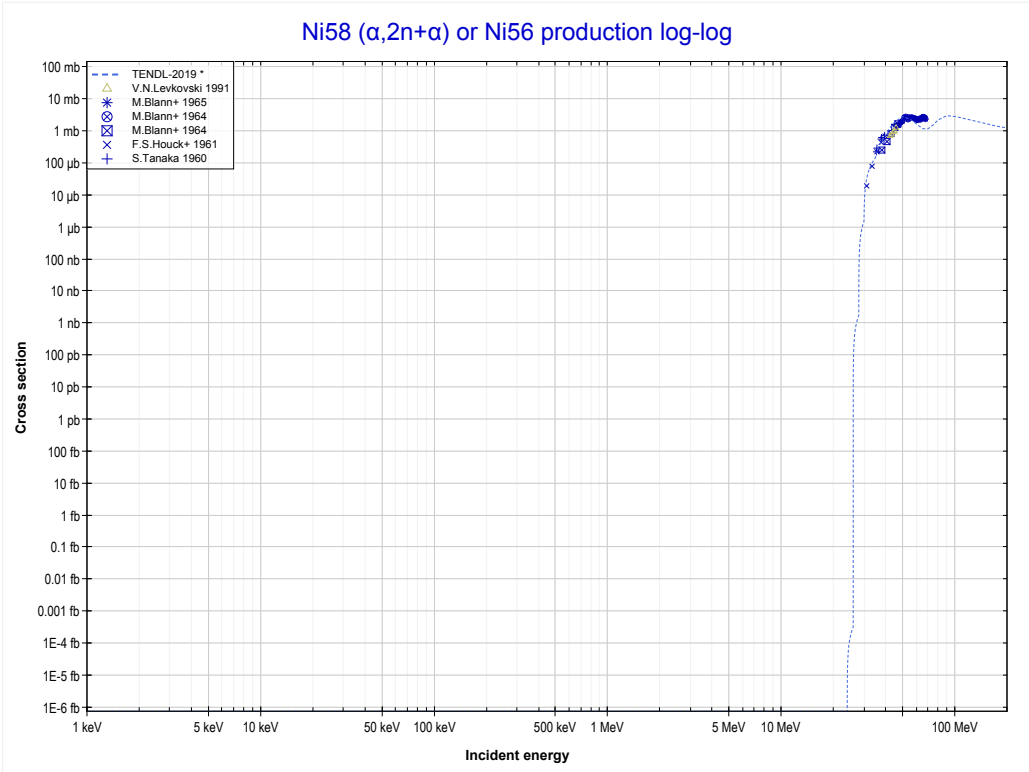
Reaction	Q-Value
Ni58(α,2n)Zn60	-19772.12 keV

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT16 (α,2n)	MT22 (α,n+α) or MT5 (Ni57 production)	MT24 (α,2n+α) >>



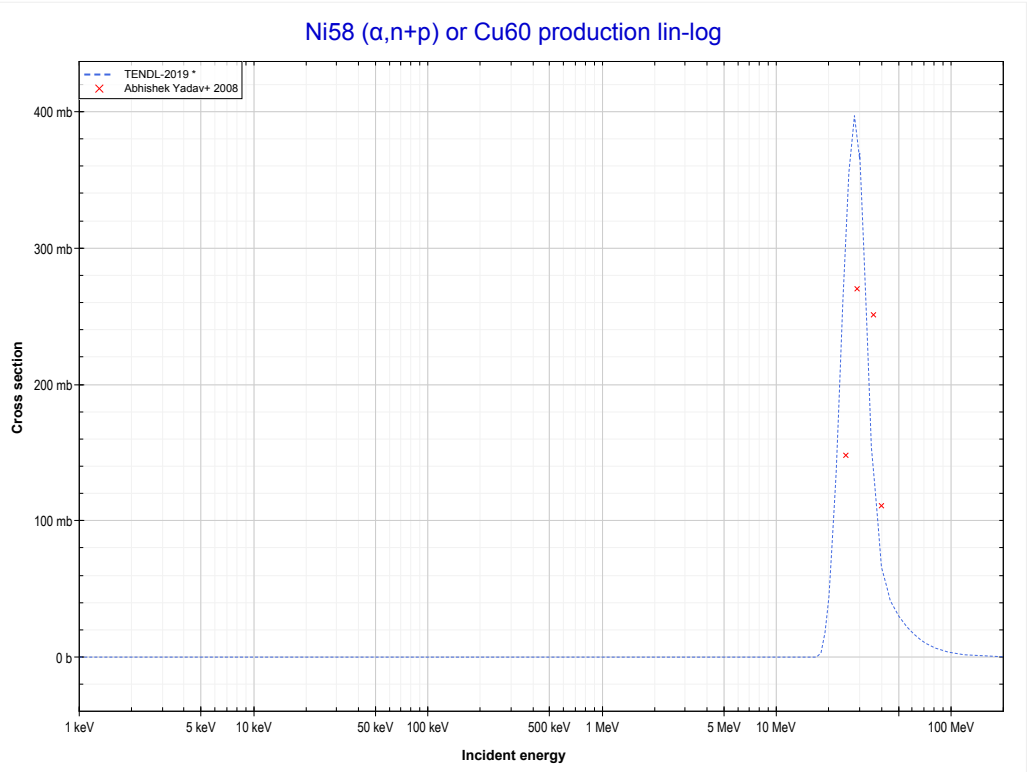
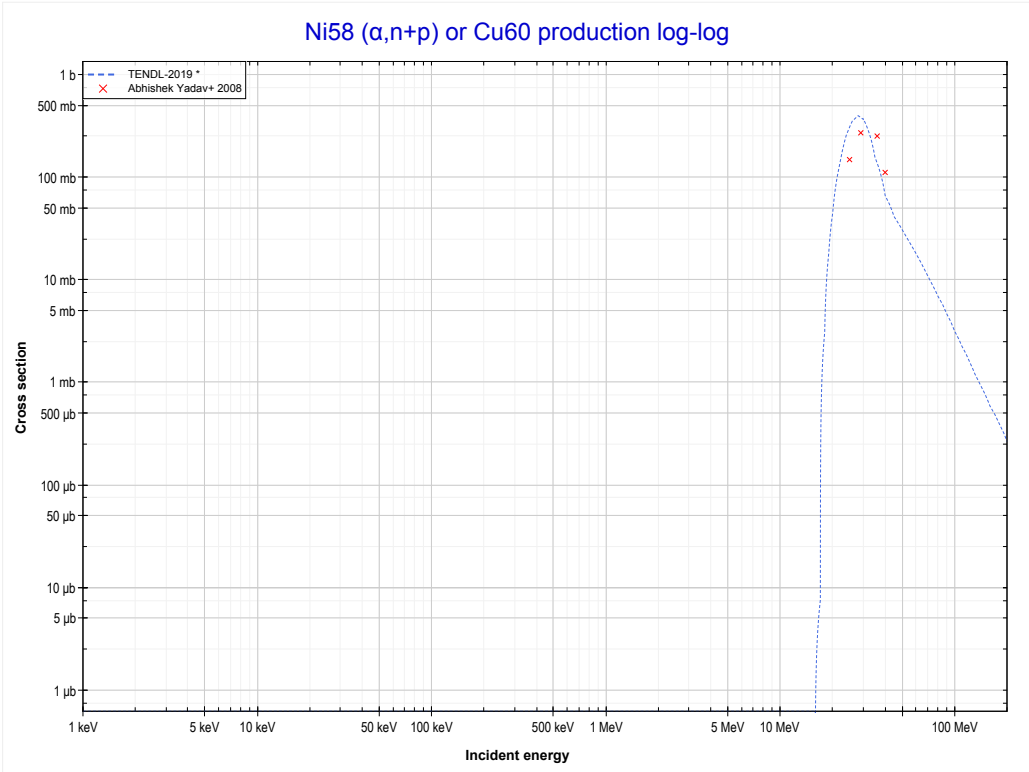
Reaction	Q-Value
Ni58(α,n+α)Ni57	-12216.22 keV
Ni58(α,d+t)Ni57	-29805.52 keV
Ni58(α,n+p+t)Ni57	-32030.08 keV
Ni58(α,2n+He3)Ni57	-32793.84 keV
Ni58(α,n+2d)Ni57	-36062.74 keV
Ni58(α,2n+p+d)Ni57	-38287.31 keV
Ni58(α,3n+2p)Ni57	-40511.88 keV

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Ni56 production)	MT28 ($\alpha,n+p$) >>



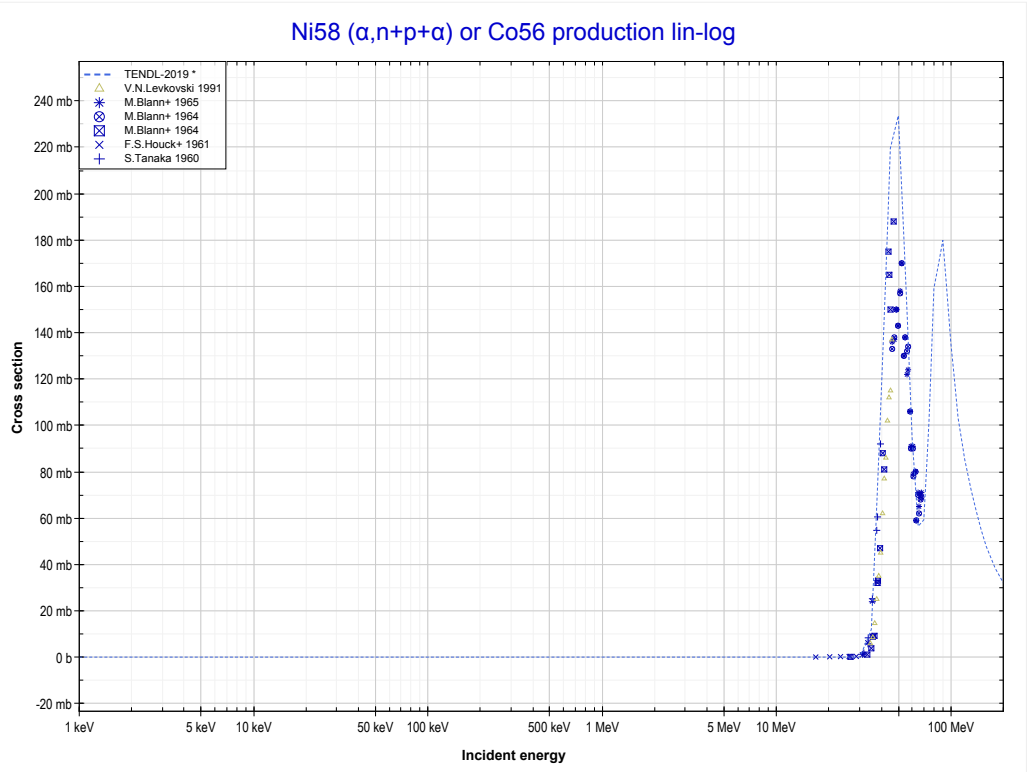
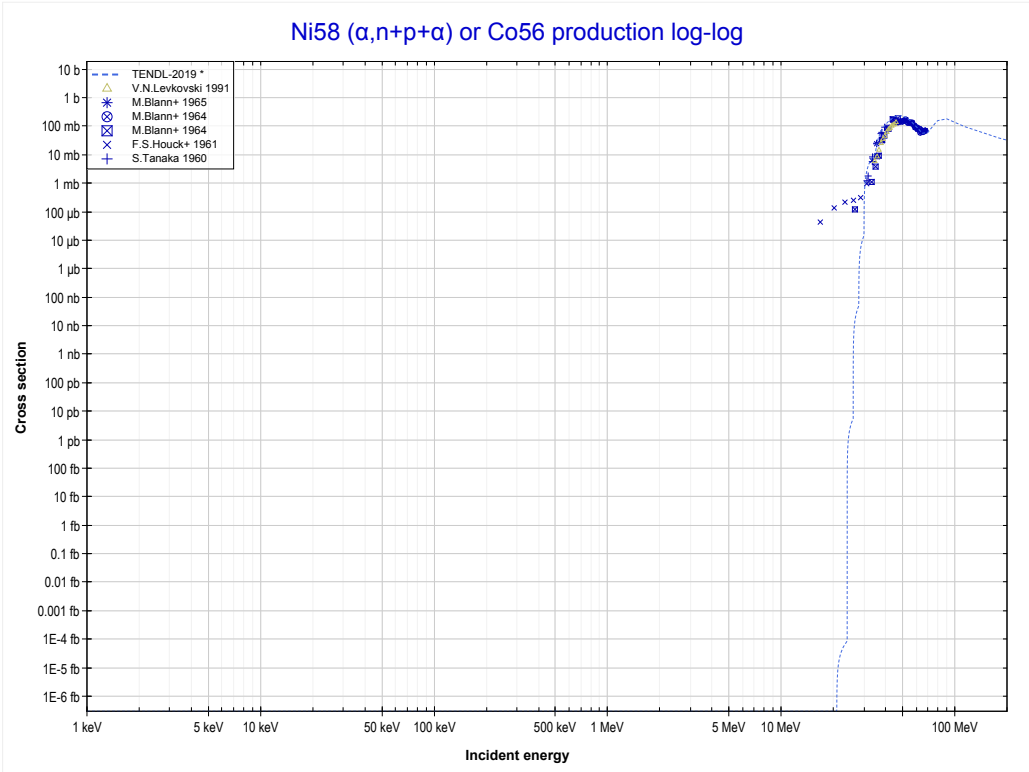
Reaction	Q-Value
Ni58($\alpha,2n+\alpha$)Ni56	-22463.83 keV
Ni58($\alpha,2t$)Ni56	-33795.90 keV
Ni58($\alpha,n+d+t$)Ni56	-40053.13 keV
Ni58($\alpha,2n+p+t$)Ni56	-42277.70 keV
Ni58($\alpha,3n+He3$)Ni56	-43041.45 keV
Ni58($\alpha,2n+2d$)Ni56	-46310.36 keV
Ni58($\alpha,3n+p+d$)Ni56	-48534.93 keV
Ni58($\alpha,4n+2p$)Ni56	-50759.49 keV

<< 26-Fe-58	28-Ni-58	28-Ni-60 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Cu60 production)	MT45 ($\alpha,n+p+\alpha$) >>



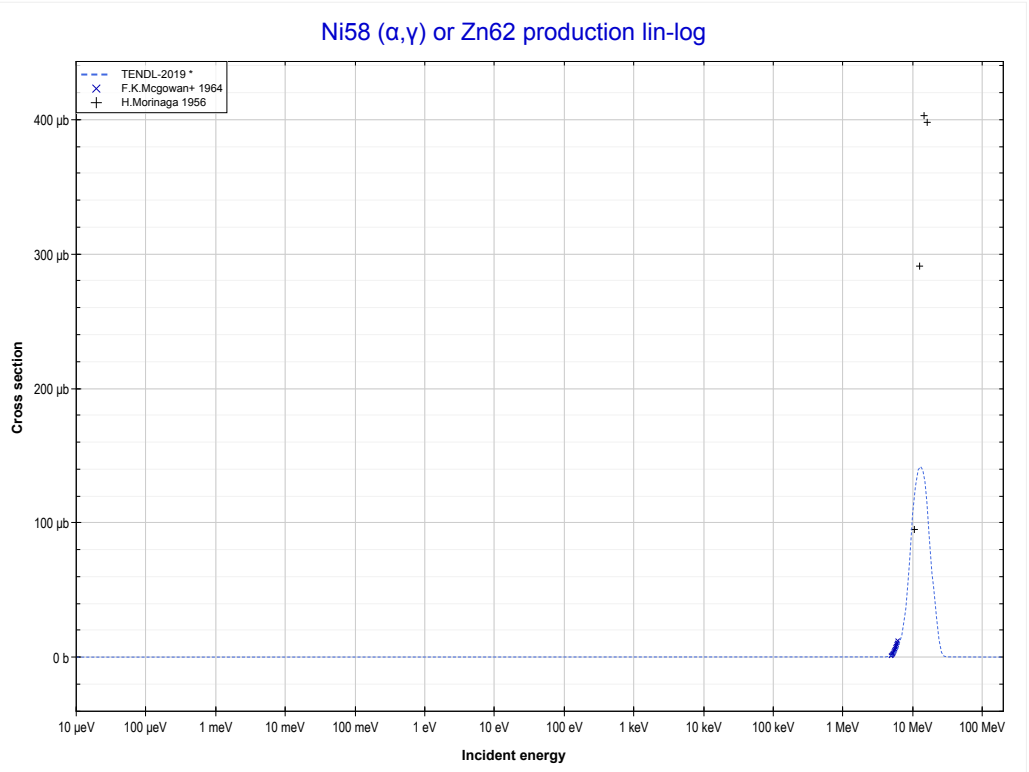
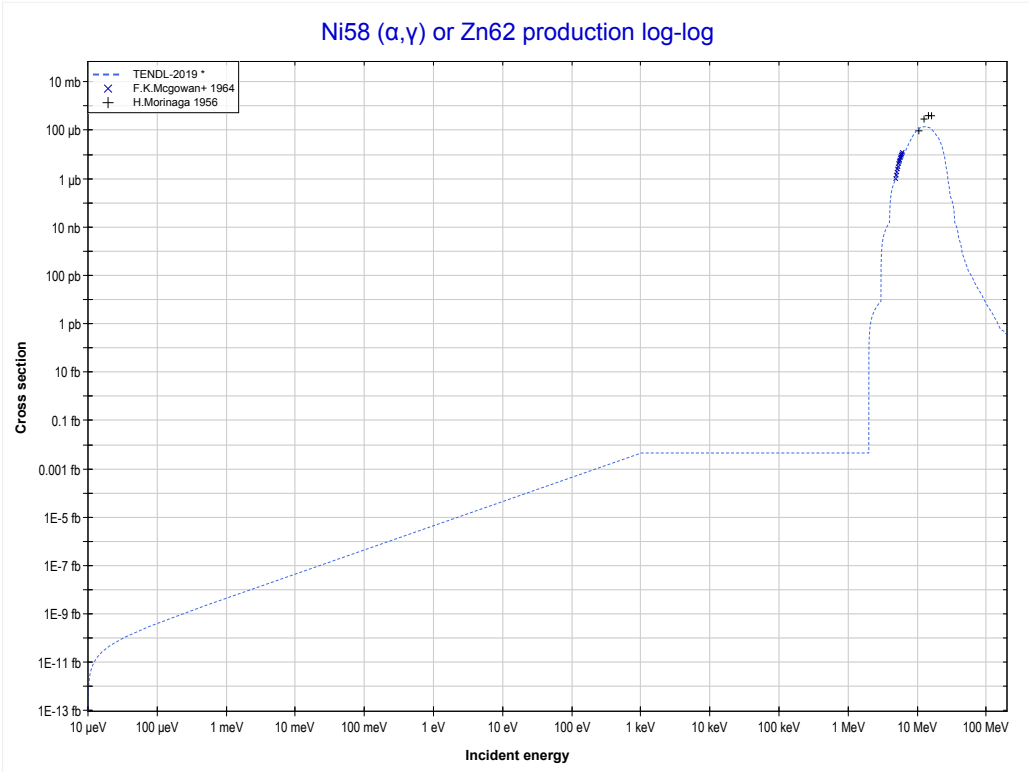
Reaction	Q-Value
Ni58(α,d)Cu60	-12594.41 keV
Ni58($\alpha,n+p$)Cu60	-14818.97 keV

<< 26-Fe-56	28-Ni-58	28-Ni-60 >>
<< MT28 (α,n+p)	MT45 (α,n+p+α) or MT5 (Co56 production)	MT102 (α,γ) >>



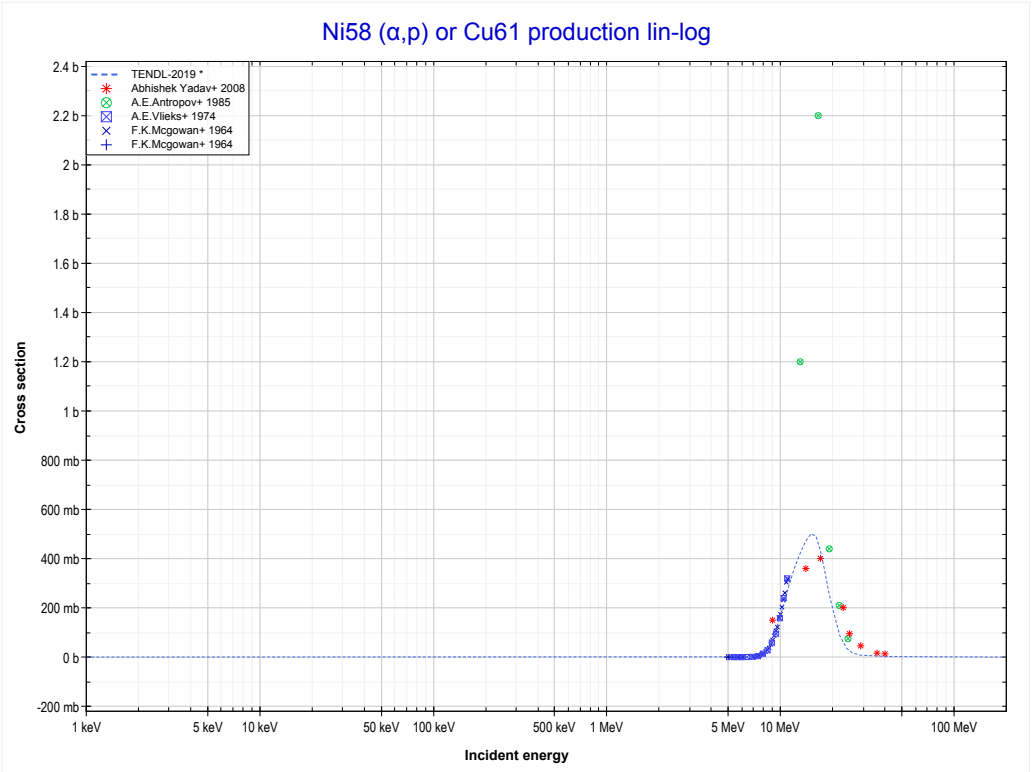
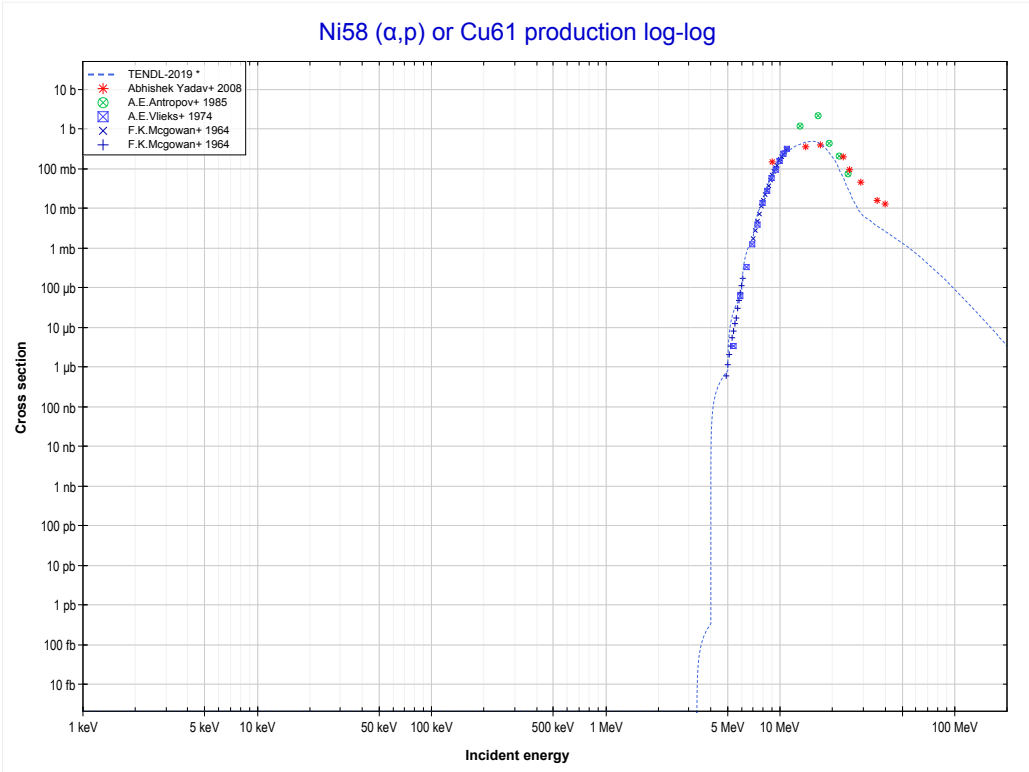
Reaction	Q-Value	Reaction	Q-Value
Ni58(α,d+α)Co56	-17324.02 keV	Ni58(α,n+p+2d)Co56	-43395.12 keV
Ni58(α,n+p+α)Co56	-19548.59 keV	Ni58(α,2n+2p+d)Co56	-45619.68 keV
Ni58(α,t+He3)Co56	-31644.41 keV	Ni58(α,3n+3p)Co56	-47844.25 keV
Ni58(α,p+d+t)Co56	-37137.89 keV		
Ni58(α,n+d+He3)Co56	-37901.64 keV		
Ni58(α,n+2p+t)Co56	-39362.45 keV		
Ni58(α,2n+p+He3)Co56	-40126.21 keV		
Ni58(α,3d)Co56	-41170.55 keV		

<< 17-CI-37	28-Ni-58	28-Ni-62 >>
<< MT45 (α ,n+p+ α)	MT102 (α , γ) or MT5 (Zn62 production)	MT103 (α ,p) >>



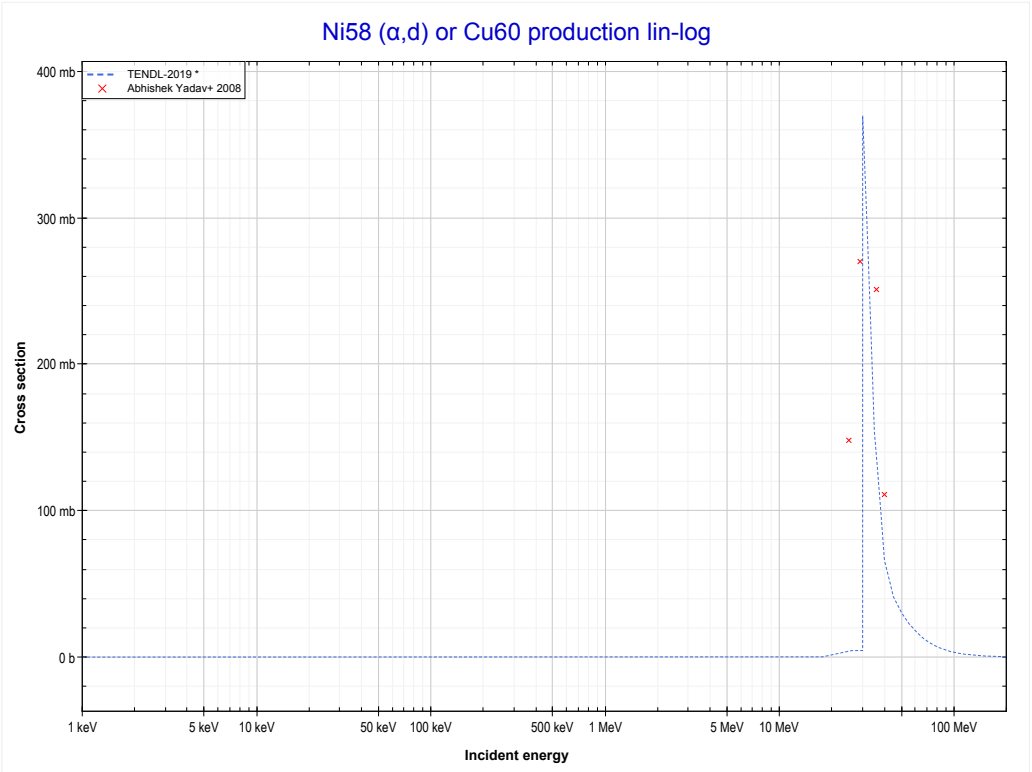
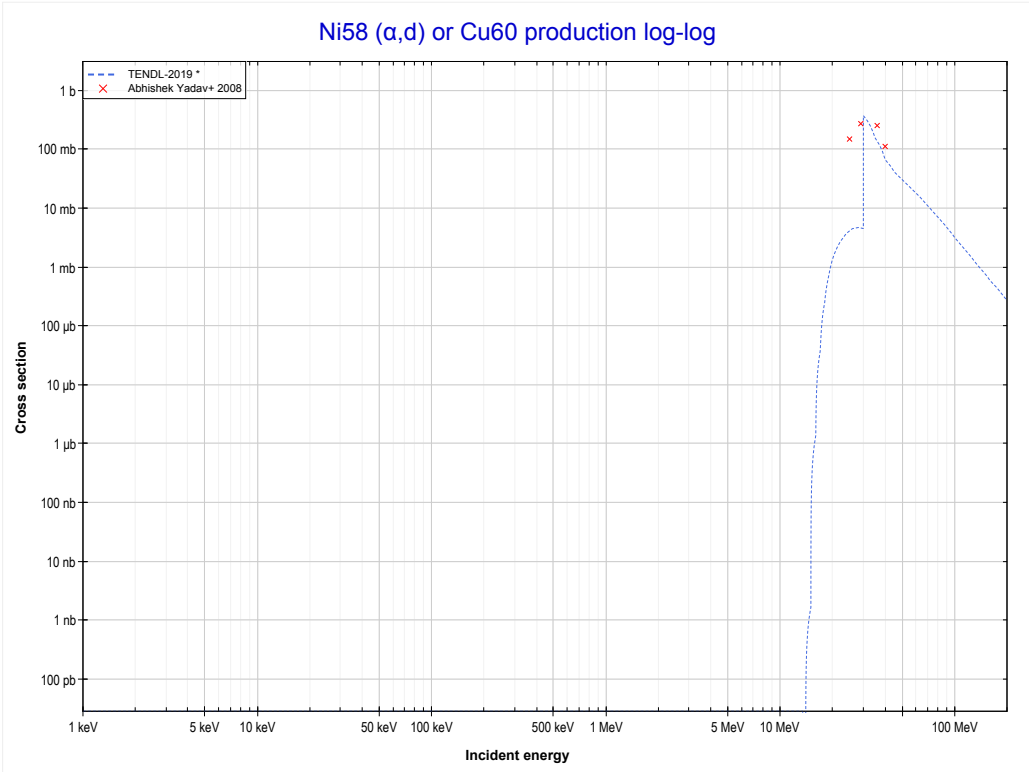
Reaction	Q-Value
Ni58(α , γ)Zn62	3364.22 keV

<< 26-Fe-58	28-Ni-58	28-Ni-61 >>
<< MT102 (α,γ)	MT103 (α,p) or MT5 (Cu61 production)	MT104 (α,d) >>



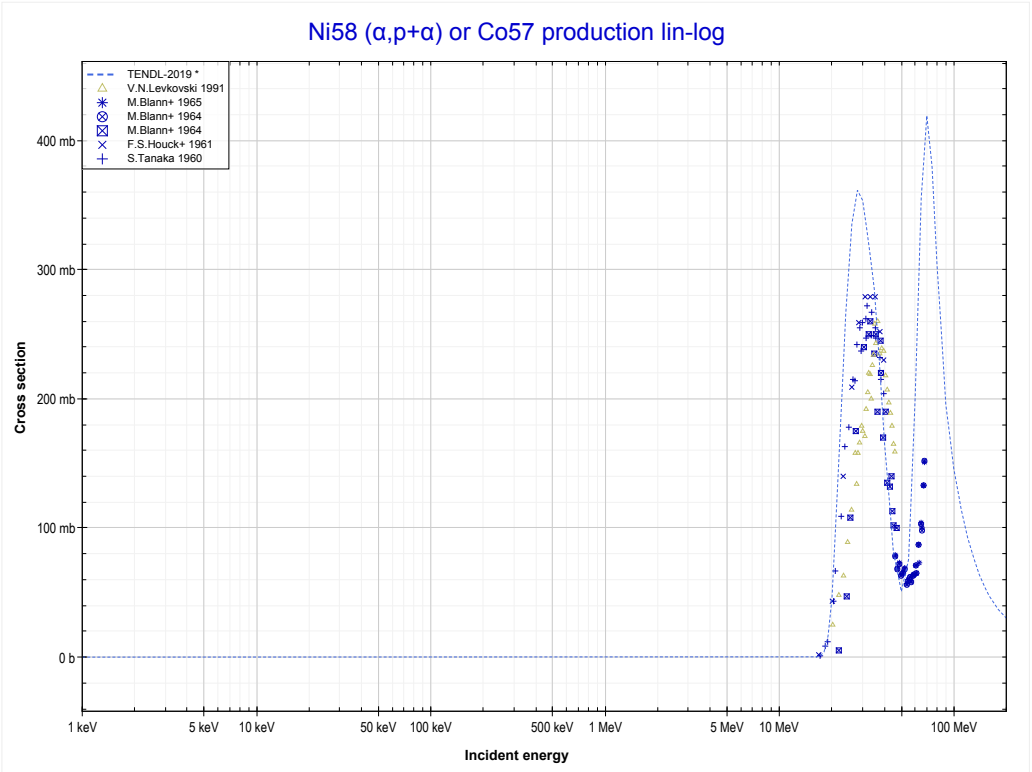
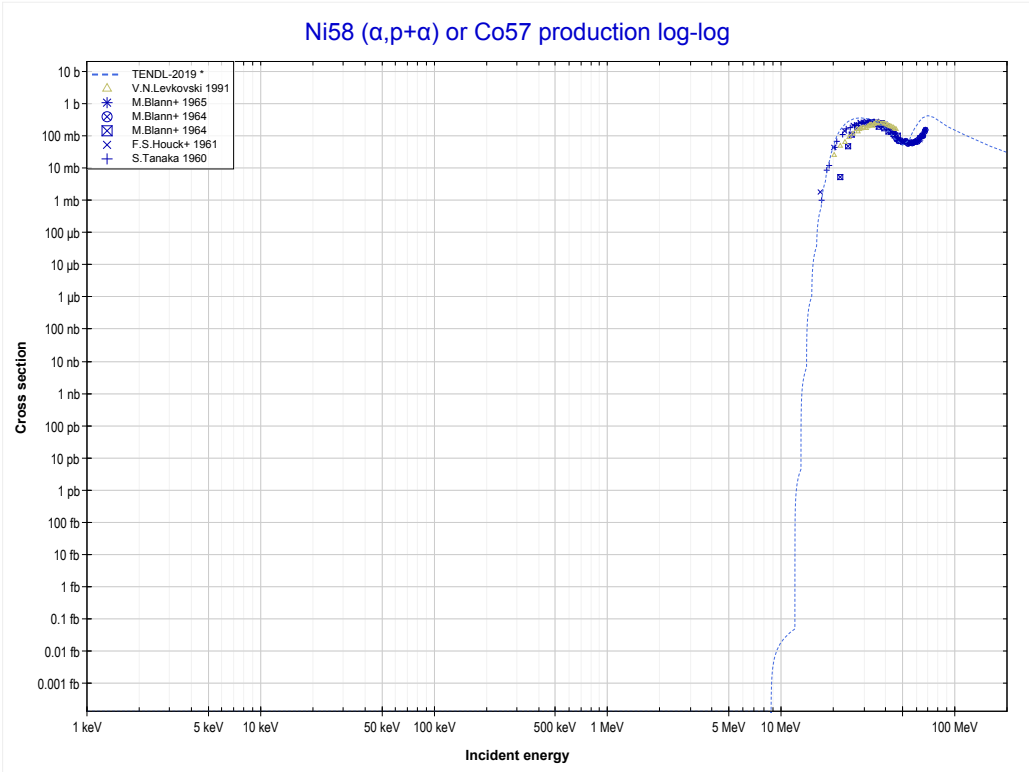
Reaction	Q-Value
Ni58(α,p)Cu61	-3108.66 keV

<< 26-Fe-58	28-Ni-58	28-Ni-62 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Cu60 production)	MT112 (α,p+α) >>



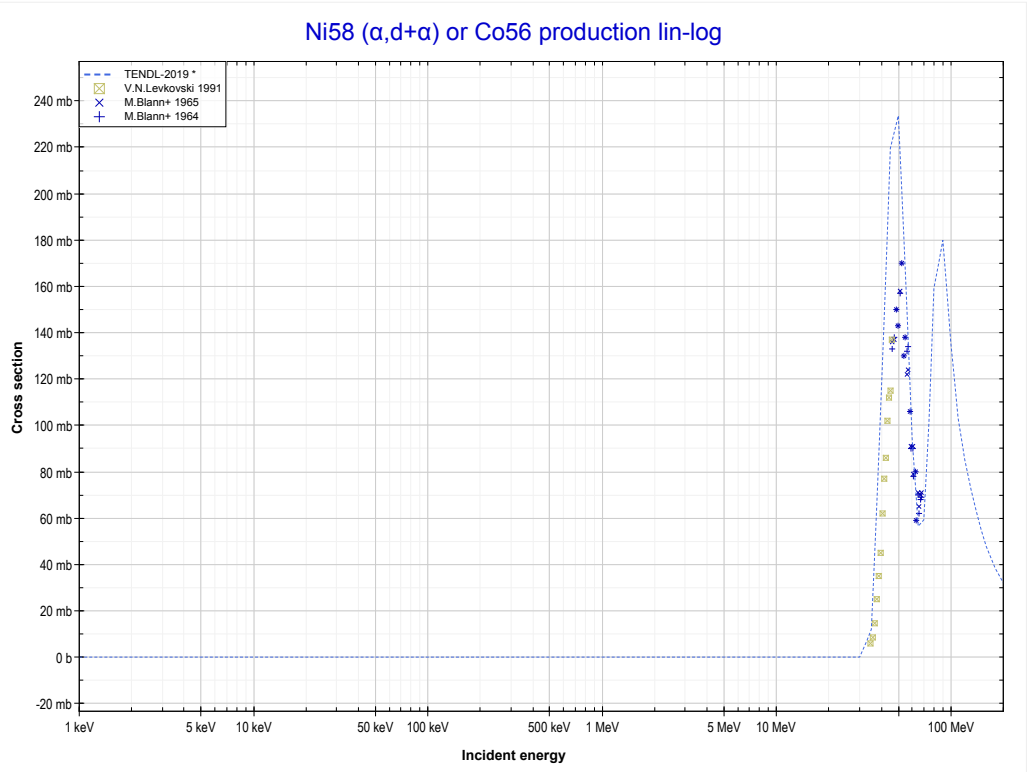
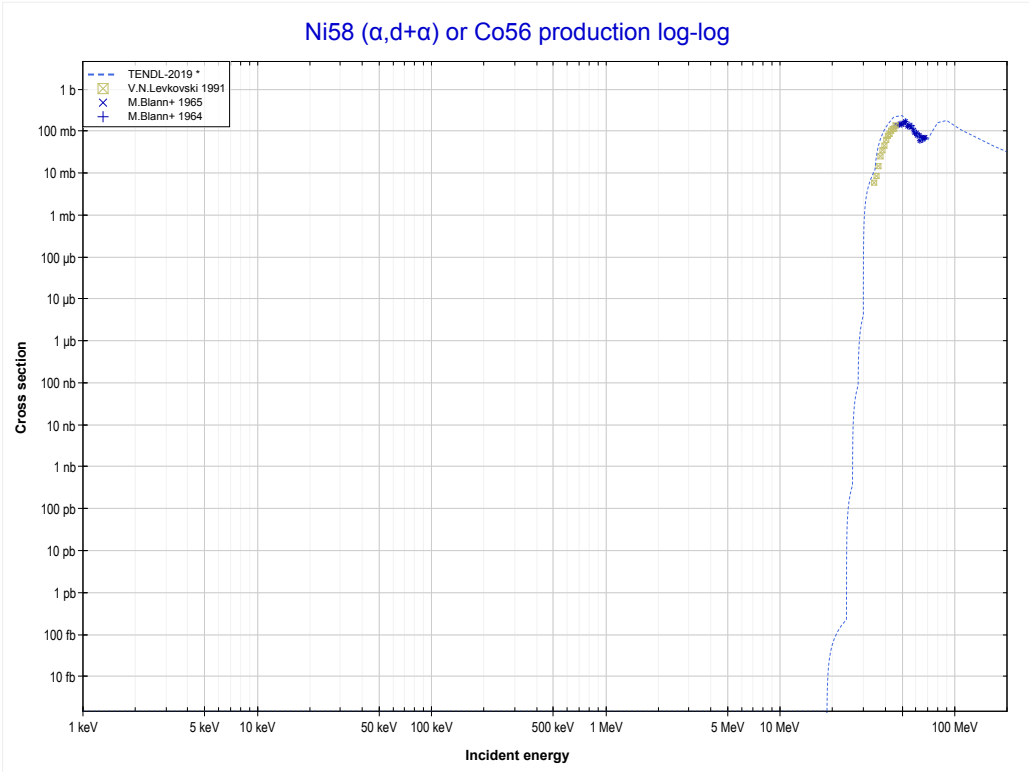
Reaction	Q-Value
Ni58(α,d)Cu60	-12594.41 keV
Ni58(α,n+p)Cu60	-14818.97 keV

<< 26-Fe-57	28-Ni-58	28-Ni-62 >>
<< MT104 (α,d)	MT112 (α,p+α) or MT5 (Co57 production)	MT117 (α,d+α) >>



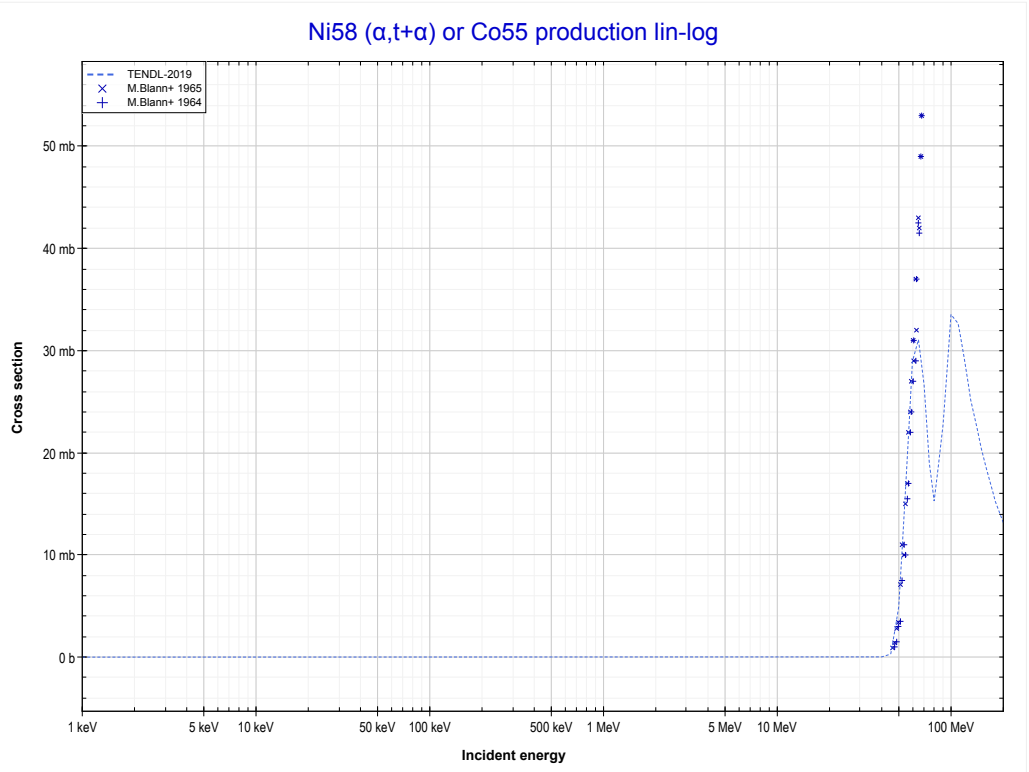
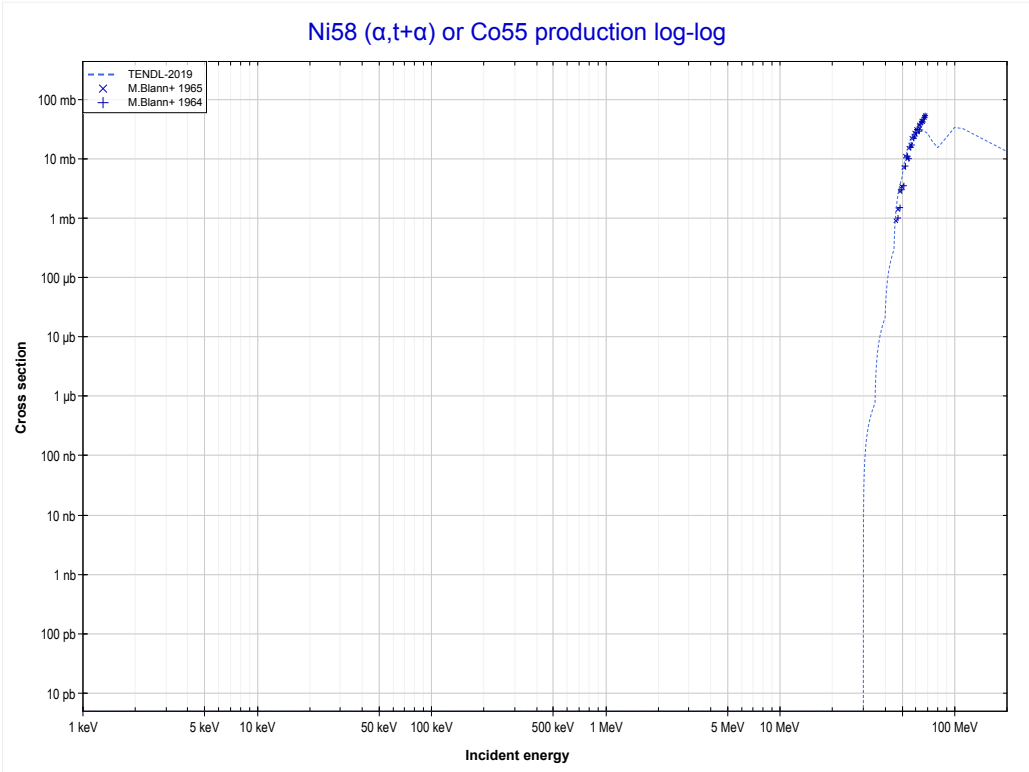
Reaction	Q-Value
Ni58(α,p+α)Co57	-8172.07 keV
Ni58(α,d+He3)Co57	-26525.12 keV
Ni58(α,2p+t)Co57	-27985.94 keV
Ni58(α,n+p+He3)Co57	-28749.69 keV
Ni58(α,p+2d)Co57	-32018.60 keV
Ni58(α,n+2p+d)Co57	-34243.16 keV
Ni58(α,2n+3p)Co57	-36467.73 keV

<< 26-Fe-56	28-Ni-58	28-Ni-60 >>
<< MT112 (α,p+α)	MT117 (α,d+α) or MT5 (Co56 production)	MT155 (α,t+α) >>



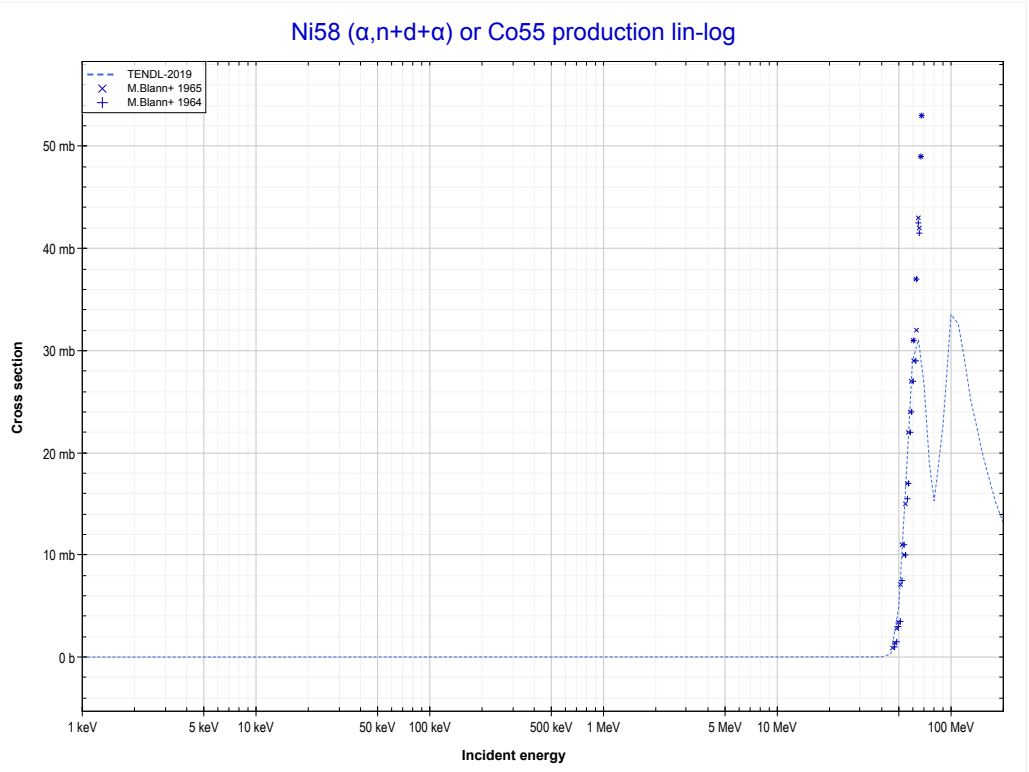
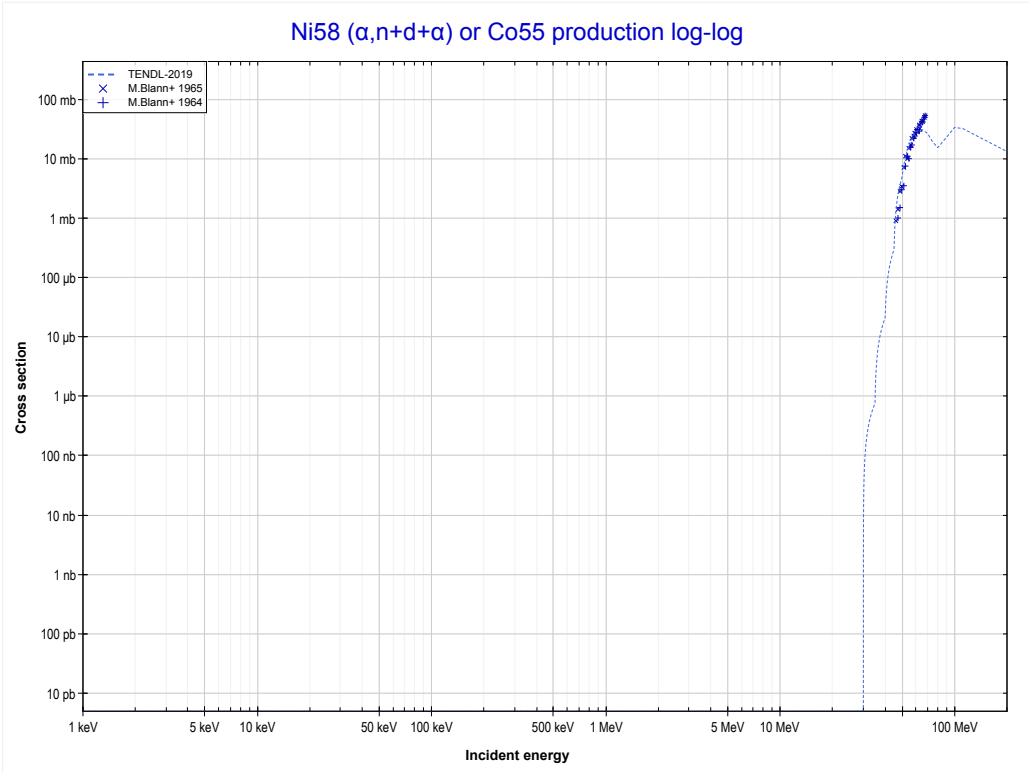
Reaction	Q-Value	Reaction	Q-Value
Ni58(α,d+α)Co56	-17324.02 keV	Ni58(α,n+p+2d)Co56	-43395.12 keV
Ni58(α,n+p+α)Co56	-19548.59 keV	Ni58(α,2n+2p+d)Co56	-45619.68 keV
Ni58(α,t+He3)Co56	-31644.41 keV	Ni58(α,3n+3p)Co56	-47844.25 keV
Ni58(α,p+d+t)Co56	-37137.89 keV		
Ni58(α,n+d+He3)Co56	-37901.64 keV		
Ni58(α,n+2p+t)Co56	-39362.45 keV		
Ni58(α,2n+p+He3)Co56	-40126.21 keV		
Ni58(α,3d)Co56	-41170.55 keV		

<< 7-N-14	28-Ni-58	40-Zr-90 >>
<< MT117 (α,d+α)	MT155 (α,t+α) or MT5 (Co55 production)	MT158 (α,n+d+α) >>



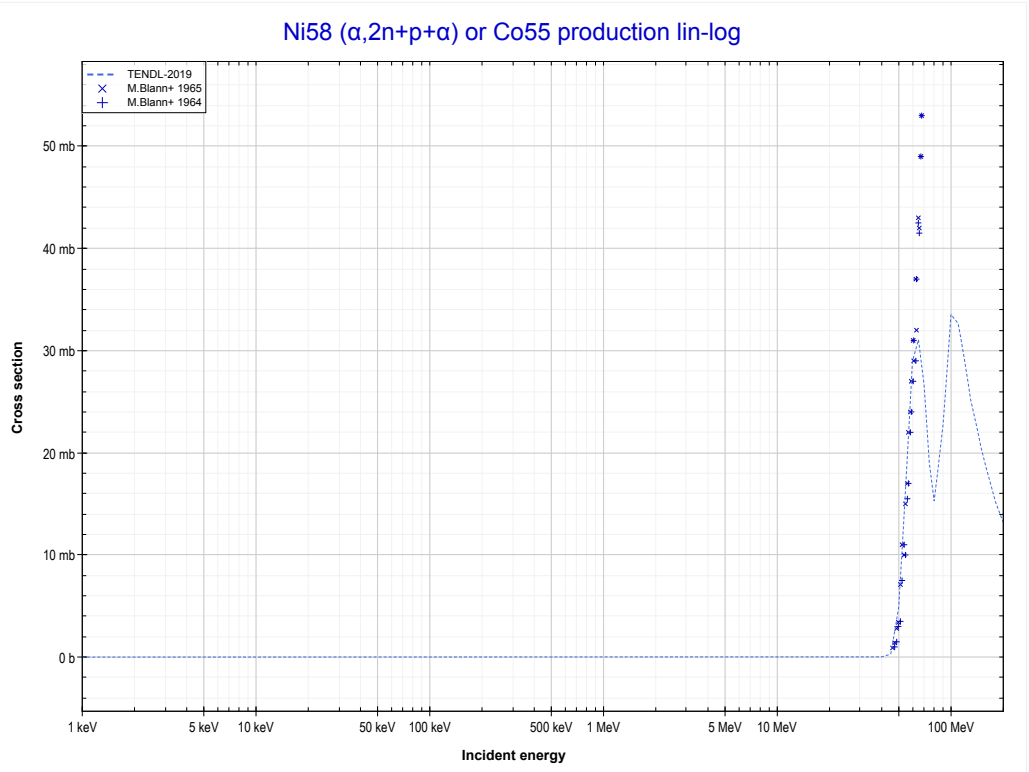
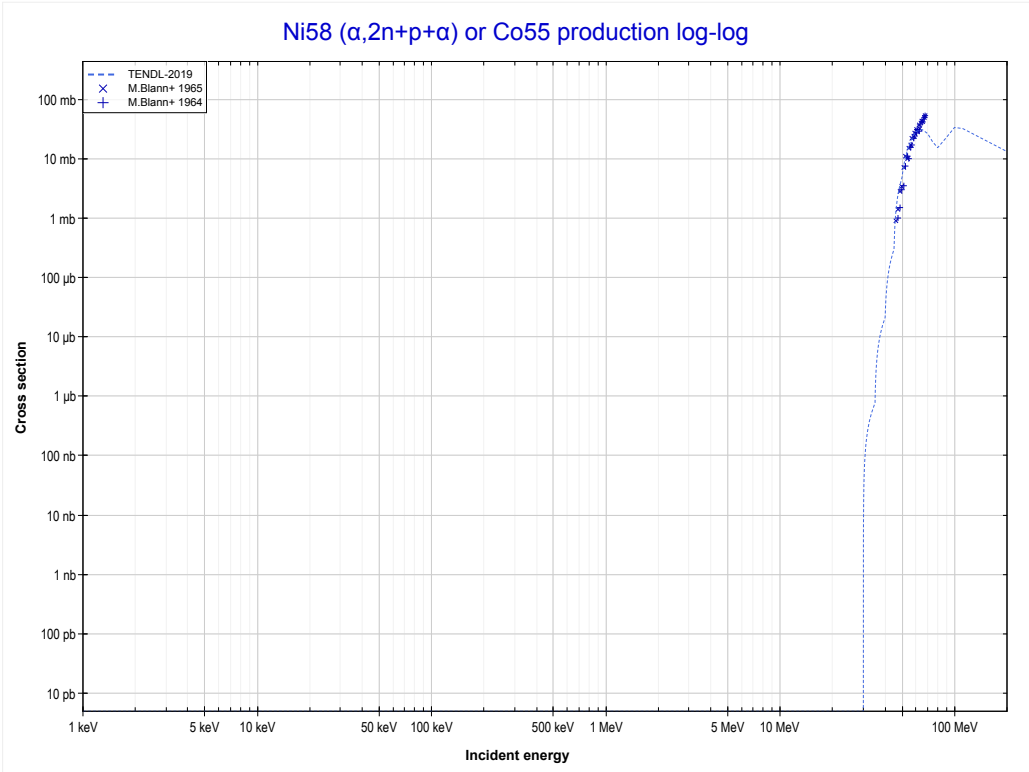
Reaction	Q-Value	Reaction	Q-Value
Ni58(α,t+α)Co55	-21148.61 keV	Ni58(α,2n+2p+t)Co55	-49444.27 keV
Ni58(α,n+d+α)Co55	-27405.84 keV	Ni58(α,3n+p+He3)Co55	-50208.02 keV
Ni58(α,2n+p+α)Co55	-29630.40 keV	Ni58(α,n+3d)Co55	-51252.37 keV
Ni58(α,p+2t)Co55	-40962.47 keV	Ni58(α,2n+p+2d)Co55	-53476.93 keV
Ni58(α,n+t+He3)Co55	-41726.23 keV	Ni58(α,3n+2p+d)Co55	-55701.50 keV
Ni58(α,2d+t)Co55	-44995.14 keV	Ni58(α,4n+3p)Co55	-57926.06 keV
Ni58(α,n+p+d+t)Co55	-47219.70 keV		
Ni58(α,2n+d+He3)Co55	-47983.46 keV		

<< 7-N-14	28-Ni-58	40-Zr-90 >>
<< MT155 ($\alpha,t+\alpha$)	MT158 ($\alpha,n+d+\alpha$) or MT5 (Co55 production)	MT159 ($\alpha,2n+p+\alpha$) >>



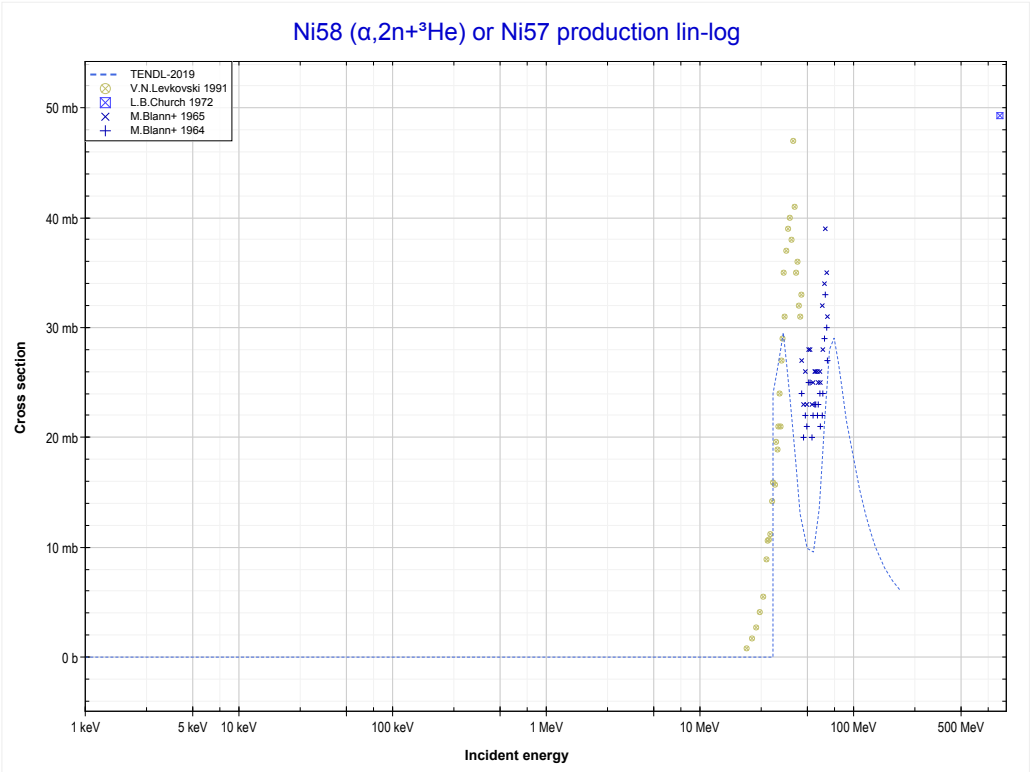
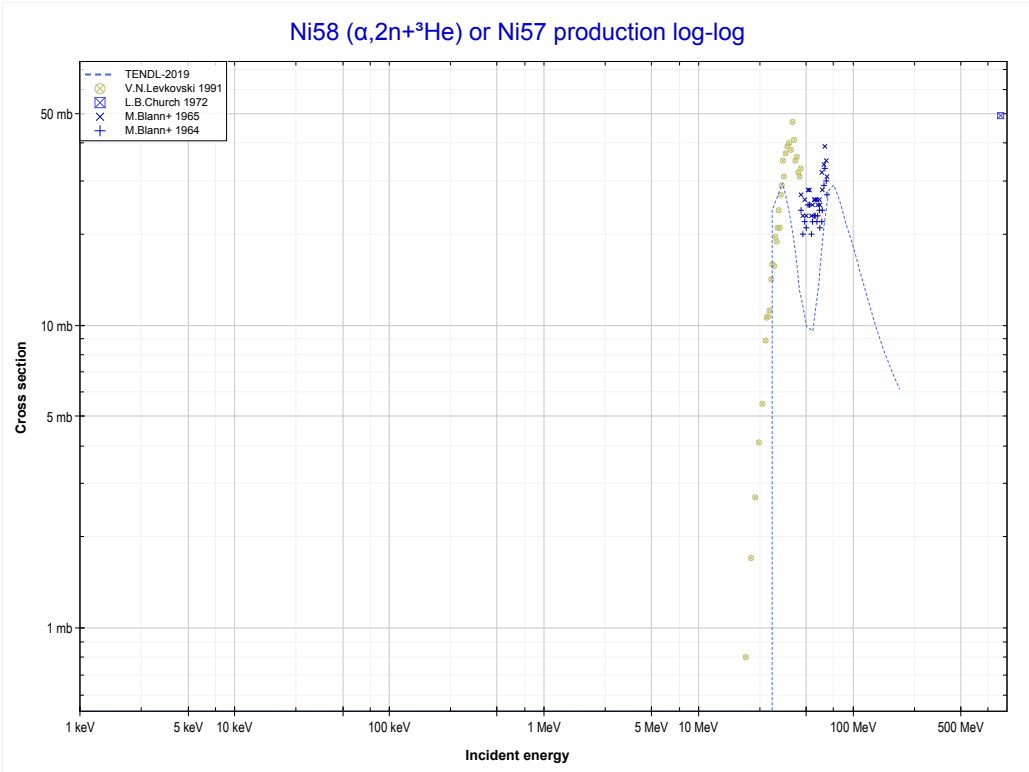
Reaction	Q-Value	Reaction	Q-Value
Ni58($\alpha,t+\alpha$)Co55	-21148.61 keV	Ni58($\alpha,2n+2p+t$)Co55	-49444.27 keV
Ni58($\alpha,n+d+\alpha$)Co55	-27405.84 keV	Ni58($\alpha,3n+p+He3$)Co55	-50208.02 keV
Ni58($\alpha,2n+p+\alpha$)Co55	-29630.40 keV	Ni58($\alpha,n+3d$)Co55	-51252.37 keV
Ni58($\alpha,p+2t$)Co55	-40962.47 keV	Ni58($\alpha,2n+p+2d$)Co55	-53476.93 keV
Ni58($\alpha,n+t+He3$)Co55	-41726.23 keV	Ni58($\alpha,3n+2p+d$)Co55	-55701.50 keV
Ni58($\alpha,2d+t$)Co55	-44995.14 keV	Ni58($\alpha,4n+3p$)Co55	-57926.06 keV
Ni58($\alpha,n+p+d+t$)Co55	-47219.70 keV		
Ni58($\alpha,2n+d+He3$)Co55	-47983.46 keV		

<< 7-N-14	28-Ni-58	40-Zr-90 >>
<< MT158 ($\alpha,n+d+\alpha$)	MT159 ($\alpha,2n+p+\alpha$) or MT5 (Co55 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



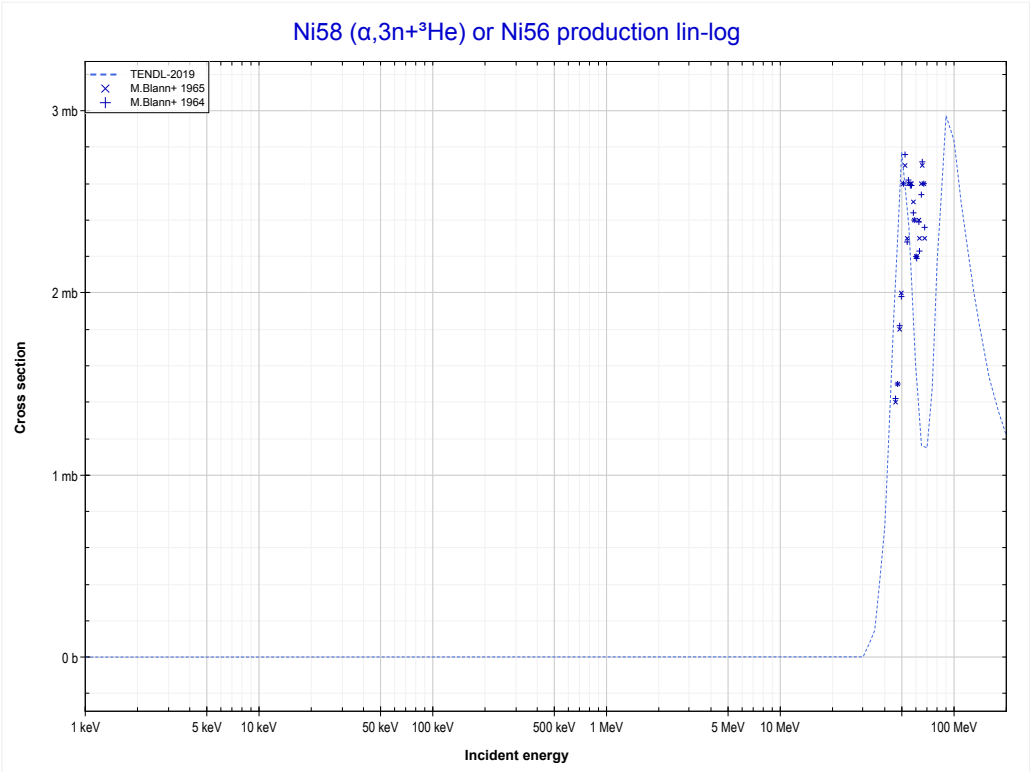
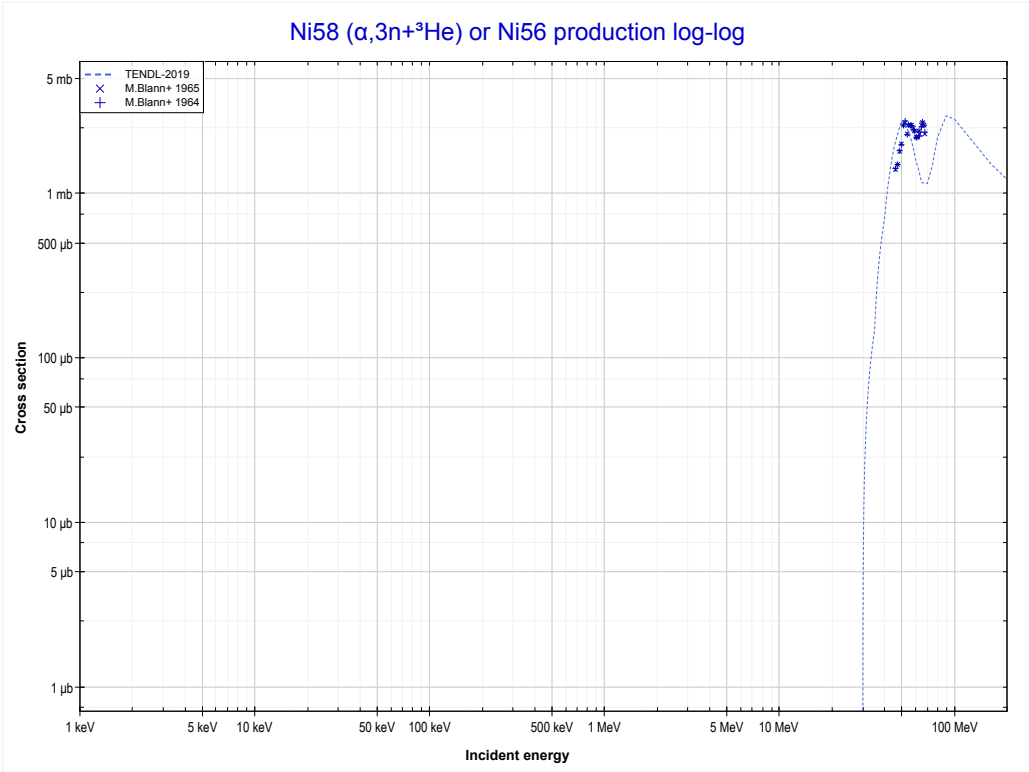
Reaction	Q-Value	Reaction	Q-Value
Ni58($\alpha,t+\alpha$)Co55	-21148.61 keV	Ni58($\alpha,2n+2p+t$)Co55	-49444.27 keV
Ni58($\alpha,n+d+\alpha$)Co55	-27405.84 keV	Ni58($\alpha,3n+p+\text{He3}$)Co55	-50208.02 keV
Ni58($\alpha,2n+p+\alpha$)Co55	-29630.40 keV	Ni58($\alpha,n+3d$)Co55	-51252.37 keV
Ni58($\alpha,p+2t$)Co55	-40962.47 keV	Ni58($\alpha,2n+p+2d$)Co55	-53476.93 keV
Ni58($\alpha,n+t+\text{He3}$)Co55	-41726.23 keV	Ni58($\alpha,3n+2p+d$)Co55	-55701.50 keV
Ni58($\alpha,2d+t$)Co55	-44995.14 keV	Ni58($\alpha,4n+3p$)Co55	-57926.06 keV
Ni58($\alpha,n+p+d+t$)Co55	-47219.70 keV		
Ni58($\alpha,2n+d+\text{He3}$)Co55	-47983.46 keV		

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT159 ($\alpha,2n+p+\alpha$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Ni57 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



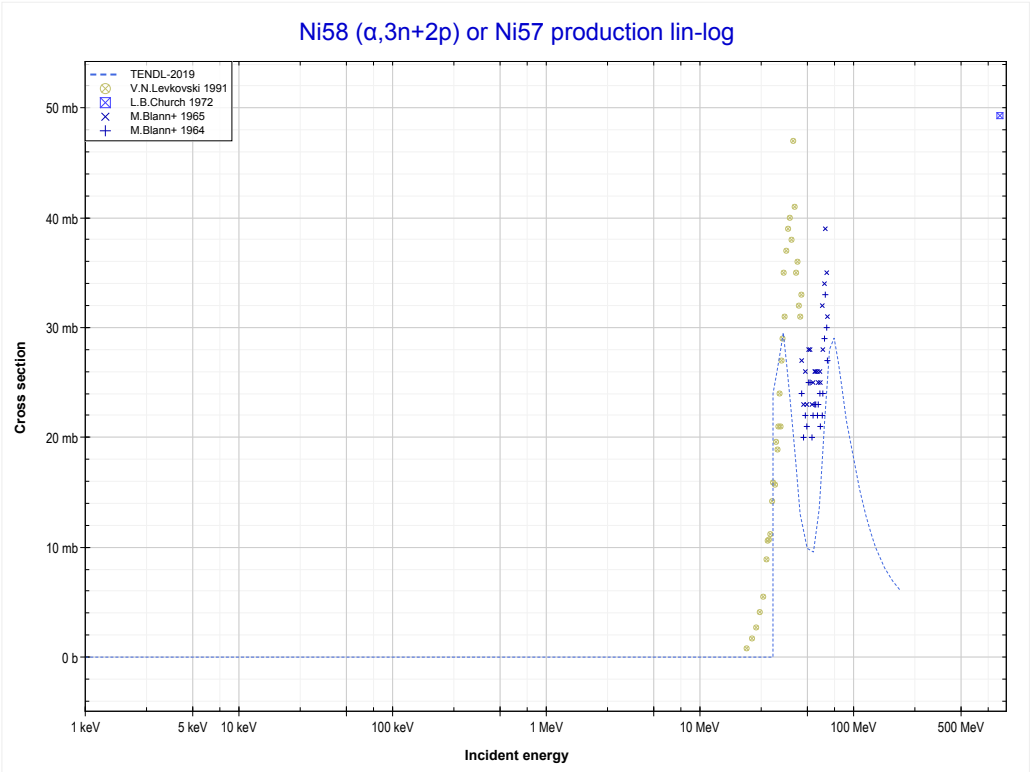
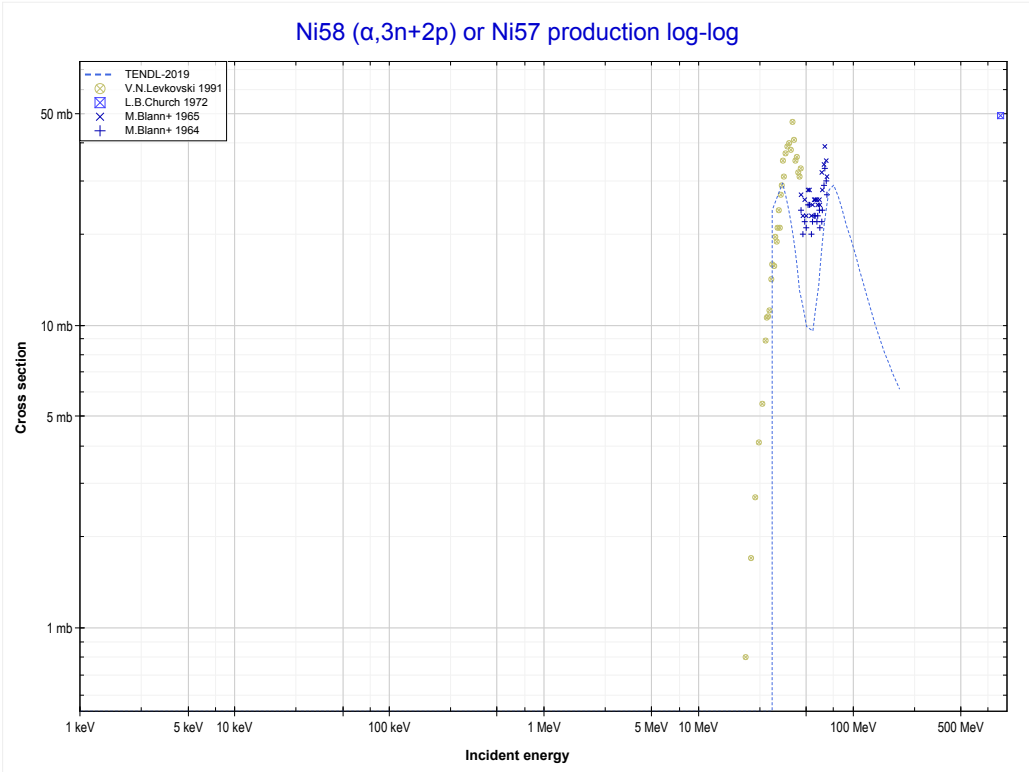
Reaction	Q-Value
Ni58($\alpha,n+\alpha$)Ni57	-12216.22 keV
Ni58($\alpha,d+t$)Ni57	-29805.52 keV
Ni58($\alpha,n+p+t$)Ni57	-32030.08 keV
Ni58($\alpha,2n+\text{He3}$)Ni57	-32793.84 keV
Ni58($\alpha,n+2d$)Ni57	-36062.74 keV
Ni58($\alpha,2n+p+d$)Ni57	-38287.31 keV
Ni58($\alpha,3n+2p$)Ni57	-40511.88 keV

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Ni56 production)	MT179 ($\alpha,3n+2p$) >>



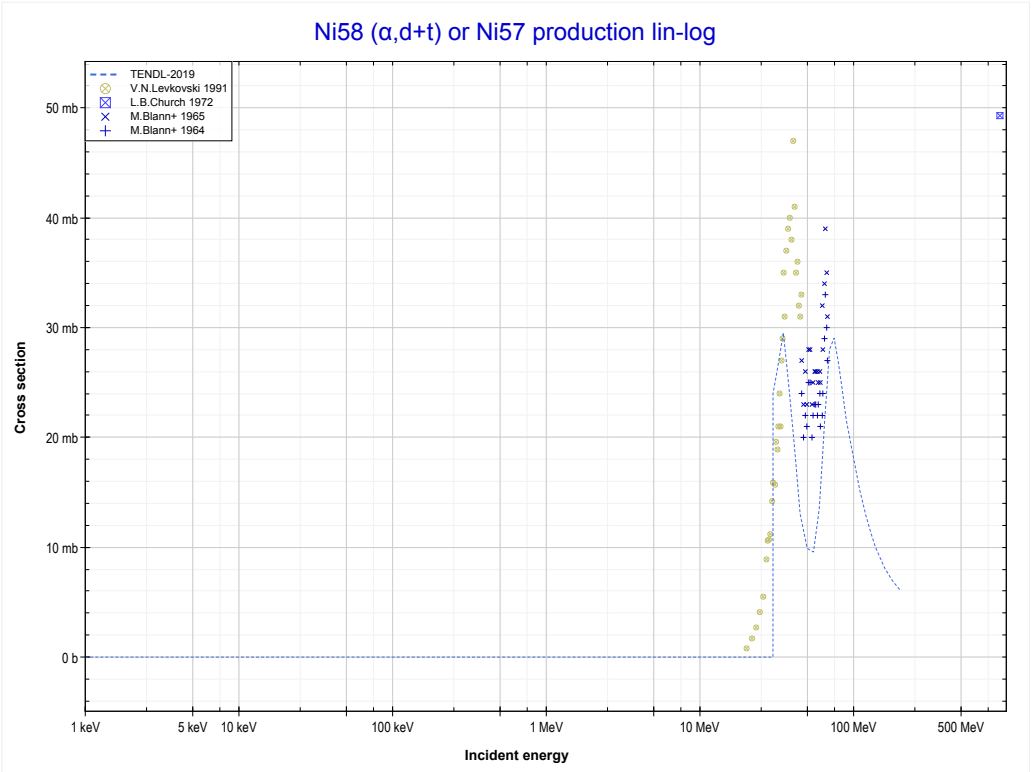
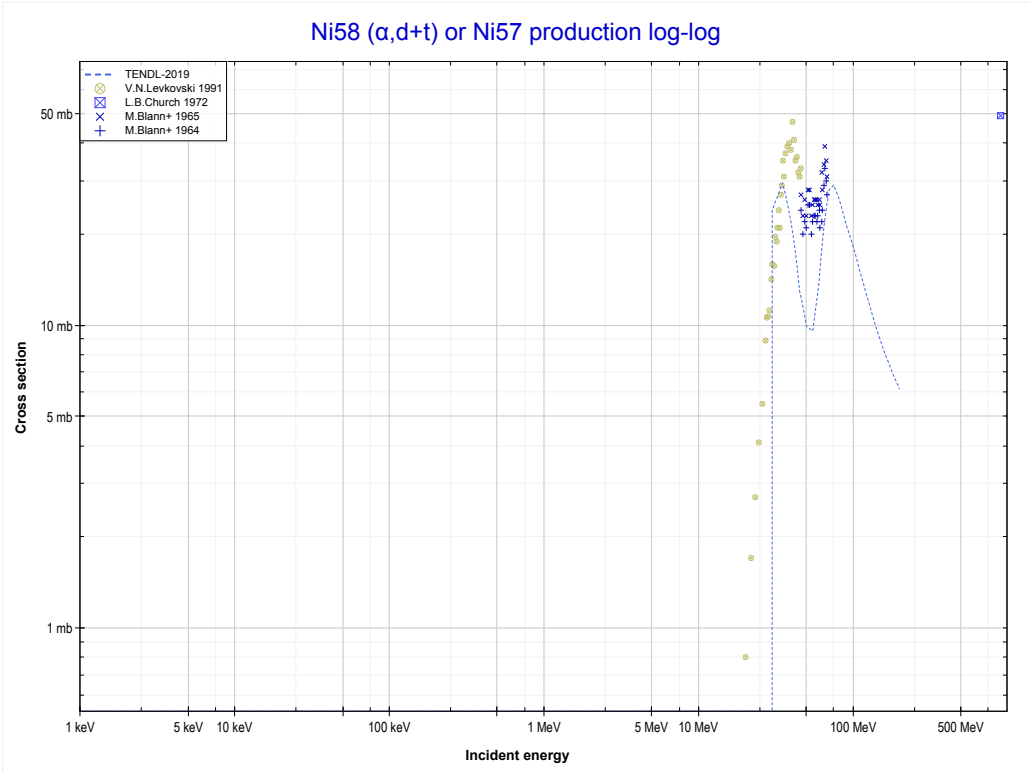
Reaction	Q-Value
Ni58($\alpha,2n+\alpha$)Ni56	-22463.83 keV
Ni58($\alpha,2t$)Ni56	-33795.90 keV
Ni58($\alpha,n+d+t$)Ni56	-40053.13 keV
Ni58($\alpha,2n+p+t$)Ni56	-42277.70 keV
Ni58($\alpha,3n+^3\text{He}$)Ni56	-43041.45 keV
Ni58($\alpha,2n+2d$)Ni56	-46310.36 keV
Ni58($\alpha,3n+p+d$)Ni56	-48534.93 keV
Ni58($\alpha,4n+2p$)Ni56	-50759.49 keV

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Ni57 production)	MT182 ($\alpha,d+t$) >>



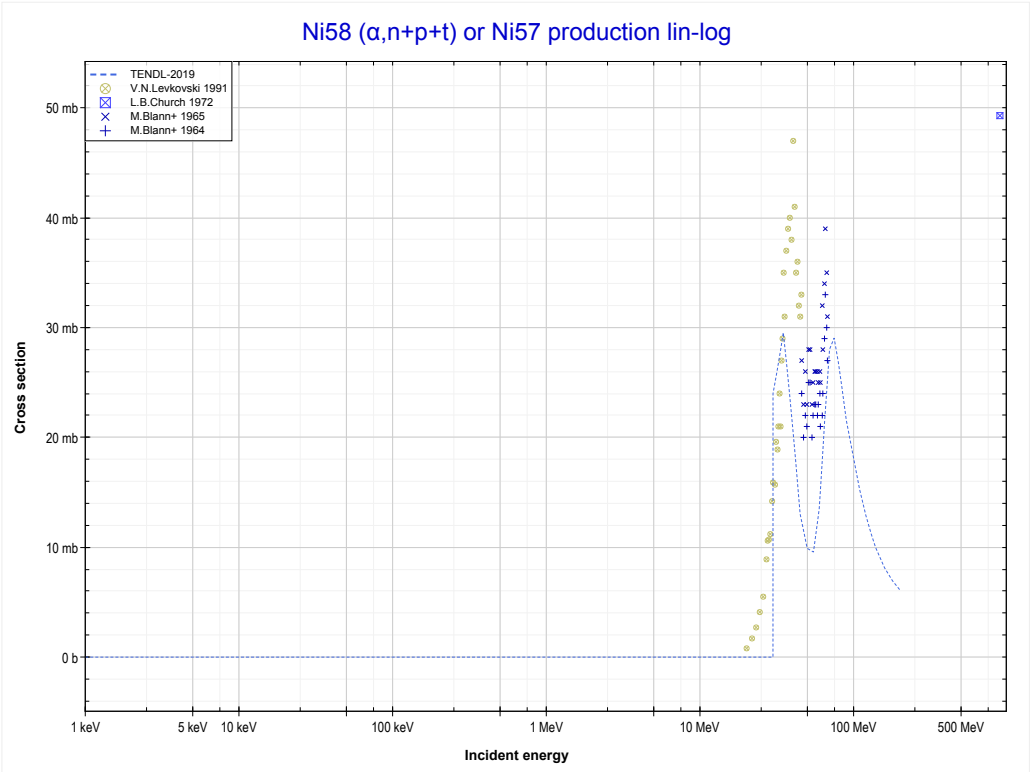
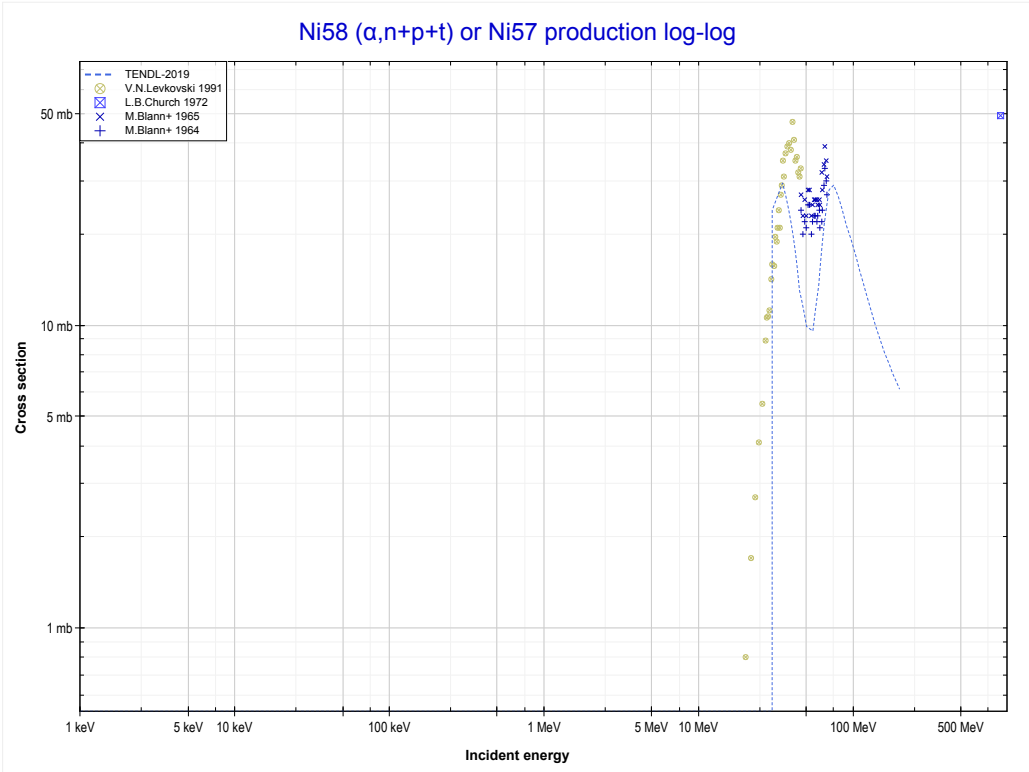
Reaction	Q-Value
Ni58($\alpha,n+\alpha$)Ni57	-12216.22 keV
Ni58($\alpha,d+t$)Ni57	-29805.52 keV
Ni58($\alpha,n+p+t$)Ni57	-32030.08 keV
Ni58($\alpha,2n+^3\text{He}$)Ni57	-32793.84 keV
Ni58($\alpha,n+2d$)Ni57	-36062.74 keV
Ni58($\alpha,2n+p+d$)Ni57	-38287.31 keV
Ni58($\alpha,3n+2p$)Ni57	-40511.88 keV

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Ni57 production)	MT184 ($\alpha,n+p+t$) >>



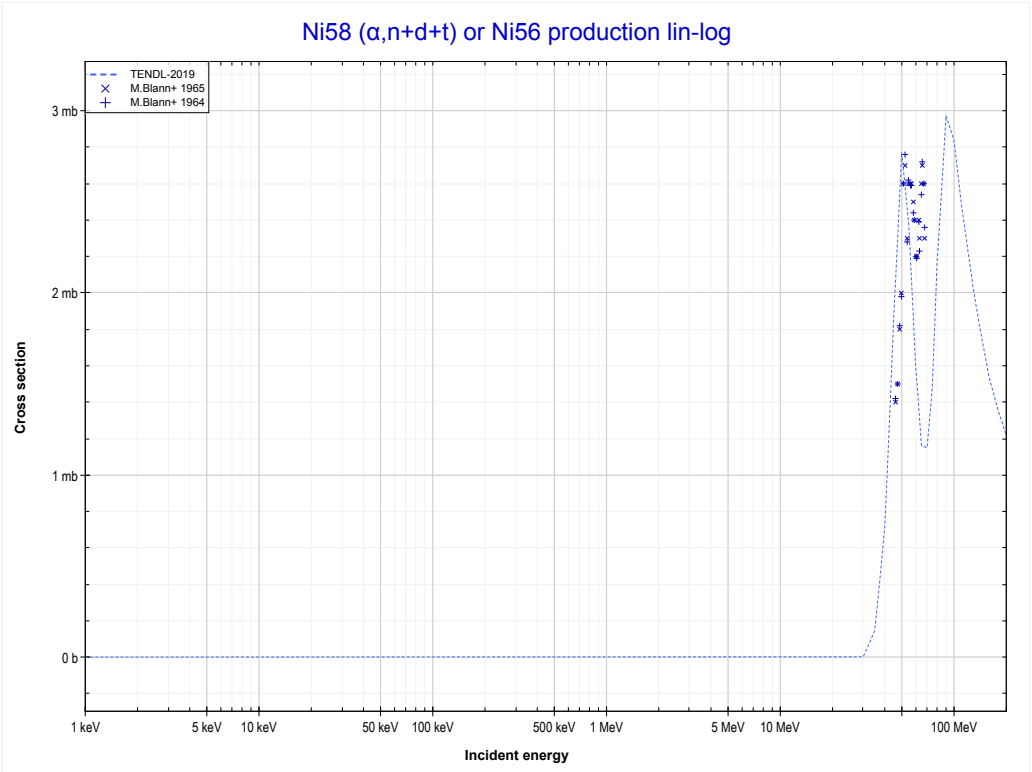
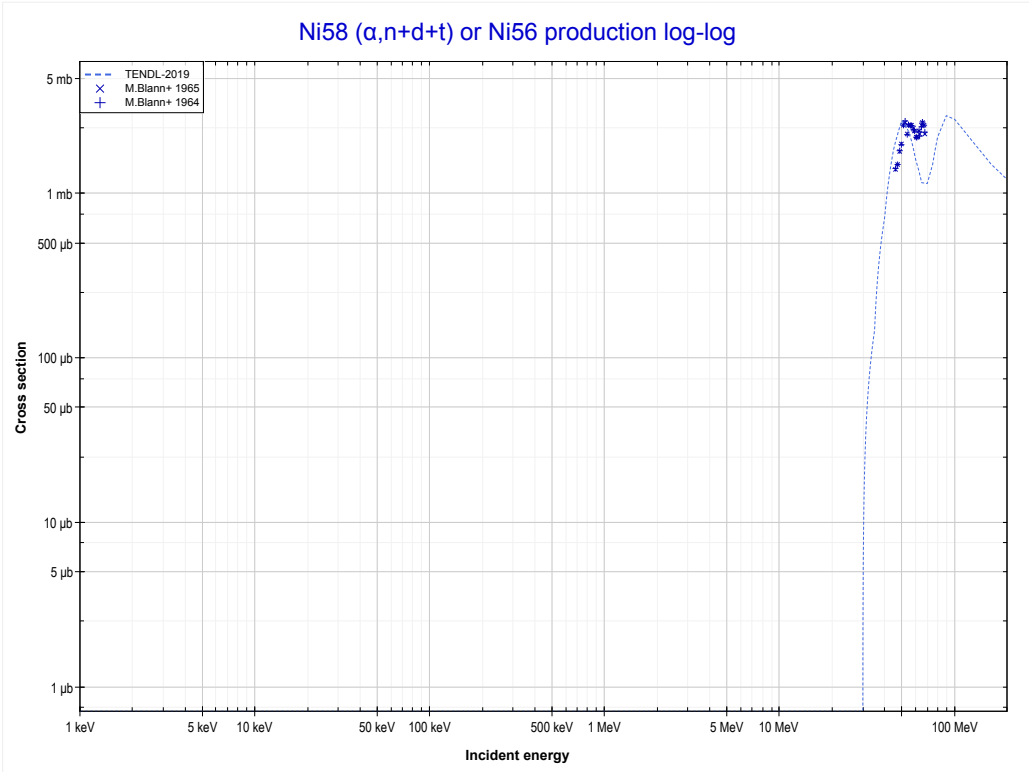
Reaction	Q-Value
Ni58($\alpha,n+\alpha$)Ni57	-12216.22 keV
Ni58($\alpha,d+t$)Ni57	-29805.52 keV
Ni58($\alpha,n+p+t$)Ni57	-32030.08 keV
Ni58($\alpha,2n+He3$)Ni57	-32793.84 keV
Ni58($\alpha,n+2d$)Ni57	-36062.74 keV
Ni58($\alpha,2n+p+d$)Ni57	-38287.31 keV
Ni58($\alpha,3n+2p$)Ni57	-40511.88 keV

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Ni57 production)	MT185 (α,n+d+t) >>



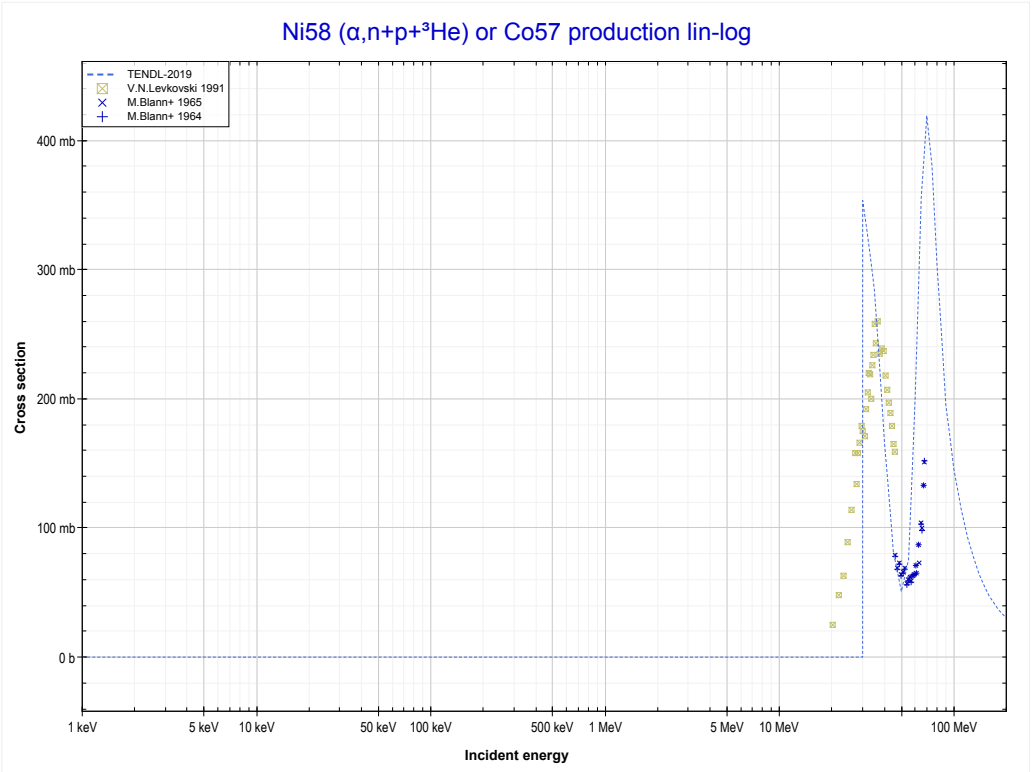
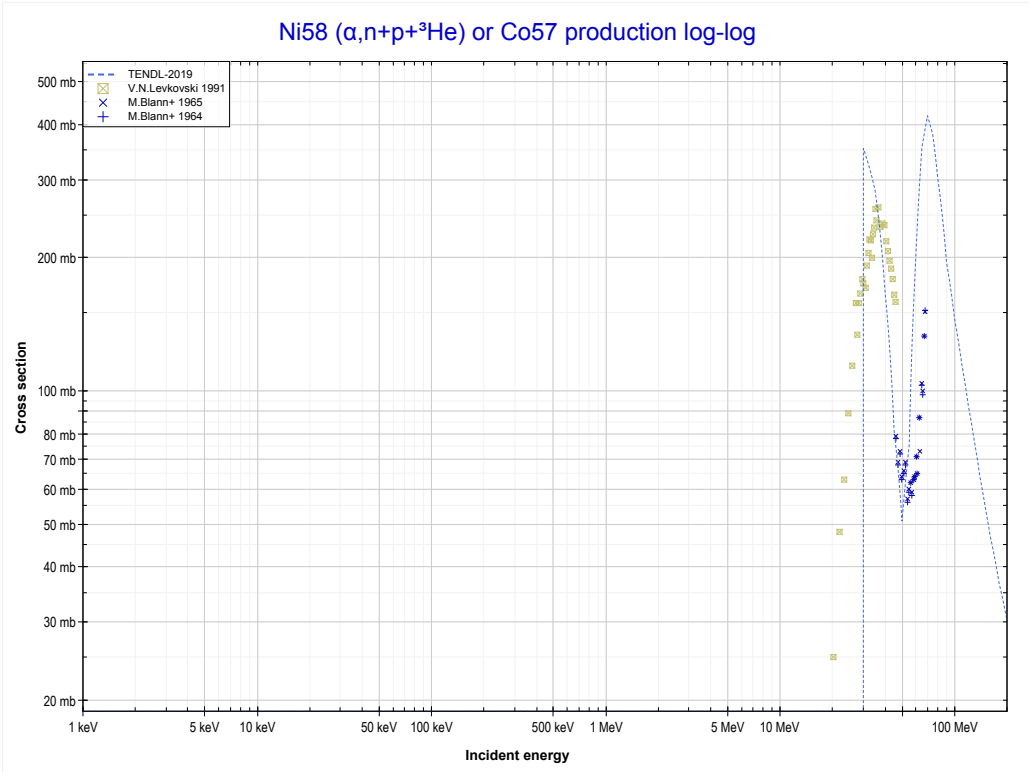
Reaction	Q-Value
Ni58(α,n+α)Ni57	-12216.22 keV
Ni58(α,d+t)Ni57	-29805.52 keV
Ni58(α,n+p+t)Ni57	-32030.08 keV
Ni58(α,2n+He3)Ni57	-32793.84 keV
Ni58(α,n+2d)Ni57	-36062.74 keV
Ni58(α,2n+p+d)Ni57	-38287.31 keV
Ni58(α,3n+2p)Ni57	-40511.88 keV

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT184 (α,n+p+t)	MT185 (α,n+d+t) or MT5 (Ni56 production)	MT186 (α,n+p+ ³ He) >>



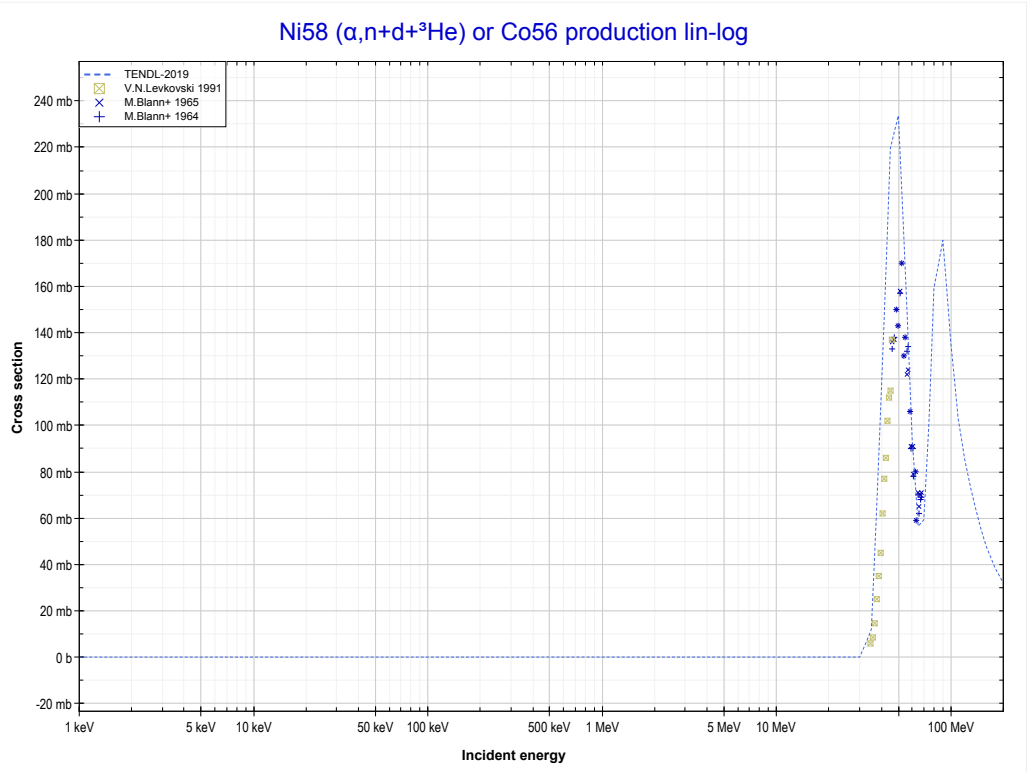
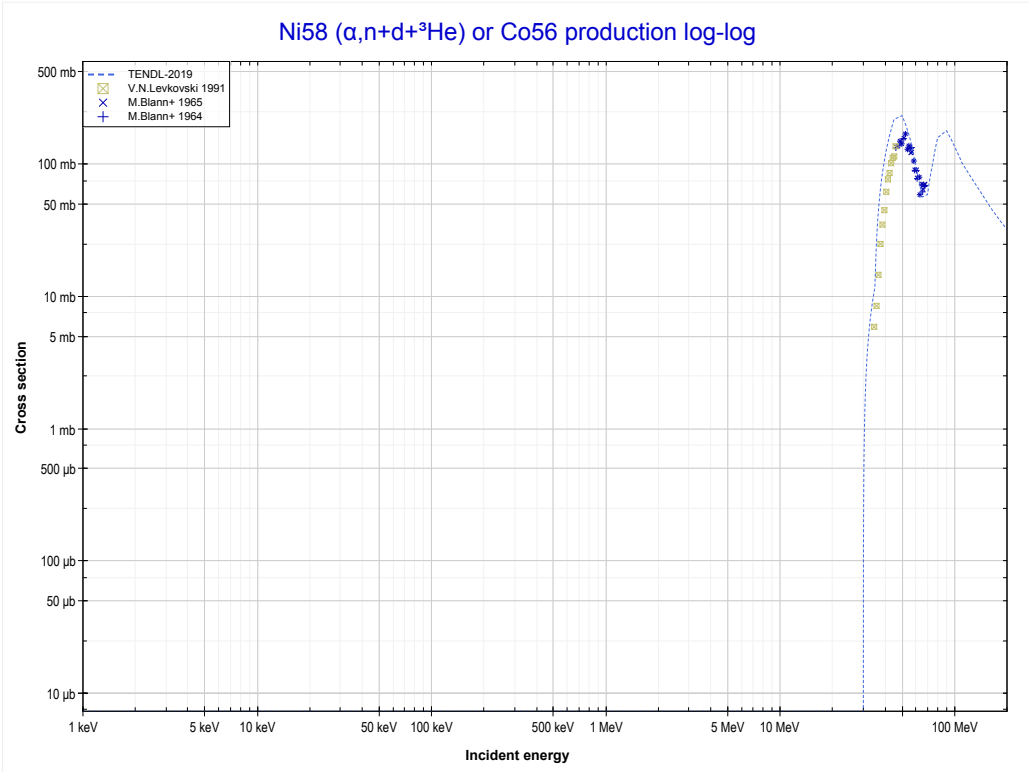
Reaction	Q-Value
Ni58(α,2n+α)Ni56	-22463.83 keV
Ni58(α,2t)Ni56	-33795.90 keV
Ni58(α,n+d+t)Ni56	-40053.13 keV
Ni58(α,2n+p+t)Ni56	-42277.70 keV
Ni58(α,3n+He3)Ni56	-43041.45 keV
Ni58(α,2n+2d)Ni56	-46310.36 keV
Ni58(α,3n+p+d)Ni56	-48534.93 keV
Ni58(α,4n+2p)Ni56	-50759.49 keV

<< 26-Fe-57	28-Ni-58	28-Ni-62 >>
<< MT185 (α,n+d+t)	MT186 (α,n+p+ ³ He) or MT5 (Co57 production)	MT187 (α,n+d+ ³ He) >>



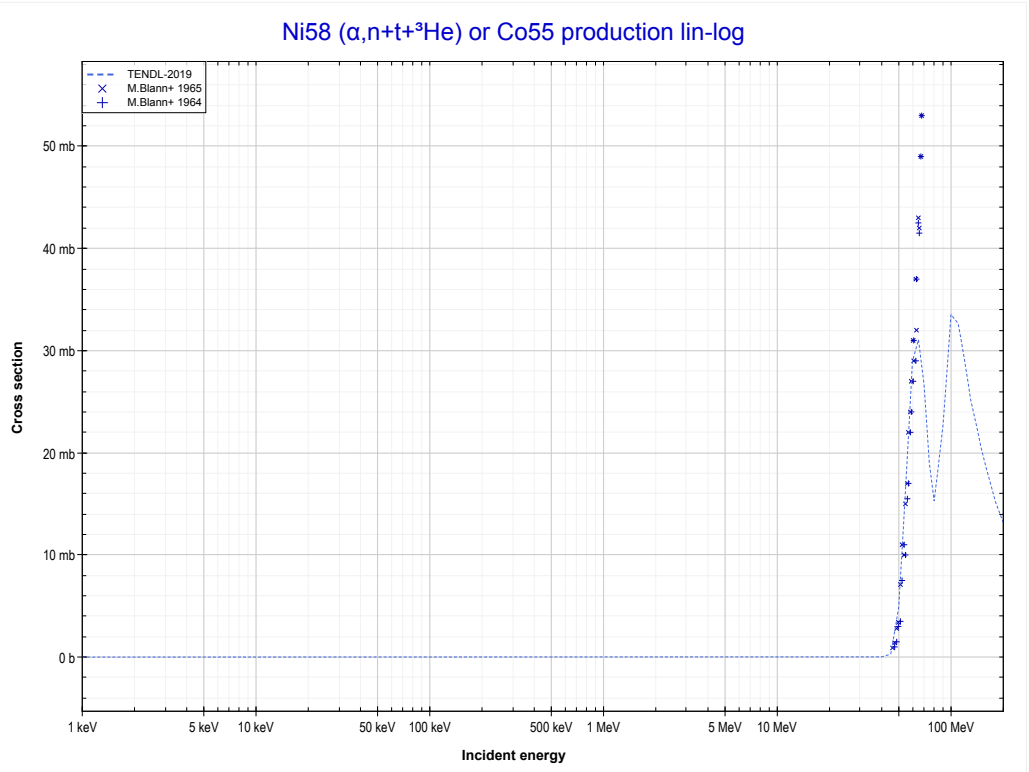
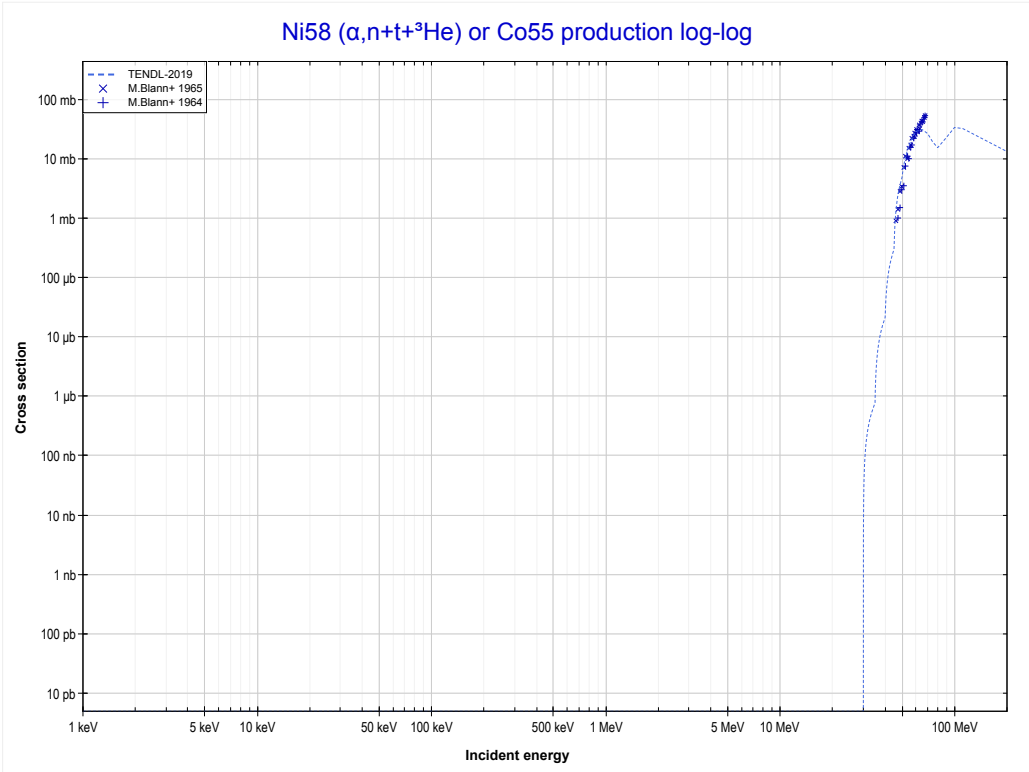
Reaction	Q-Value
Ni58(α,p+α)Co57	-8172.07 keV
Ni58(α,d+He3)Co57	-26525.12 keV
Ni58(α,2p+t)Co57	-27985.94 keV
Ni58(α,n+p+He3)Co57	-28749.69 keV
Ni58(α,p+2d)Co57	-32018.60 keV
Ni58(α,n+2p+d)Co57	-34243.16 keV
Ni58(α,2n+3p)Co57	-36467.73 keV

<< 26-Fe-56	28-Ni-58	28-Ni-60 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT187 ($\alpha,n+d+^3\text{He}$) or MT5 (Co56 production)	MT188 ($\alpha,n+t+^3\text{He}$) >>



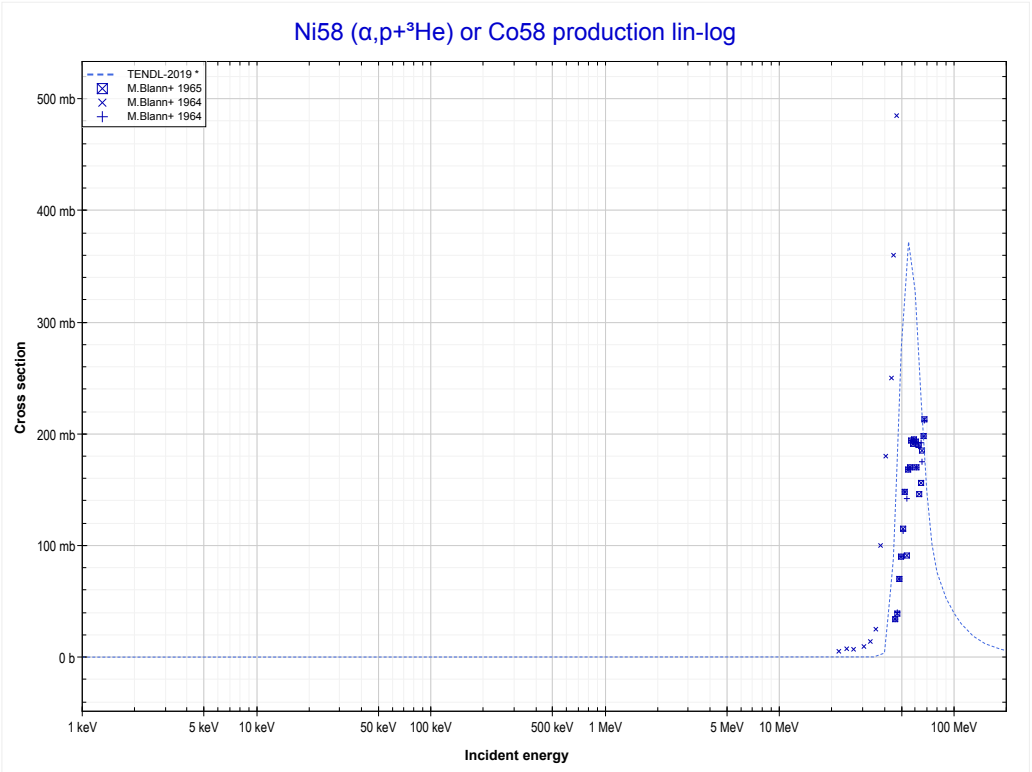
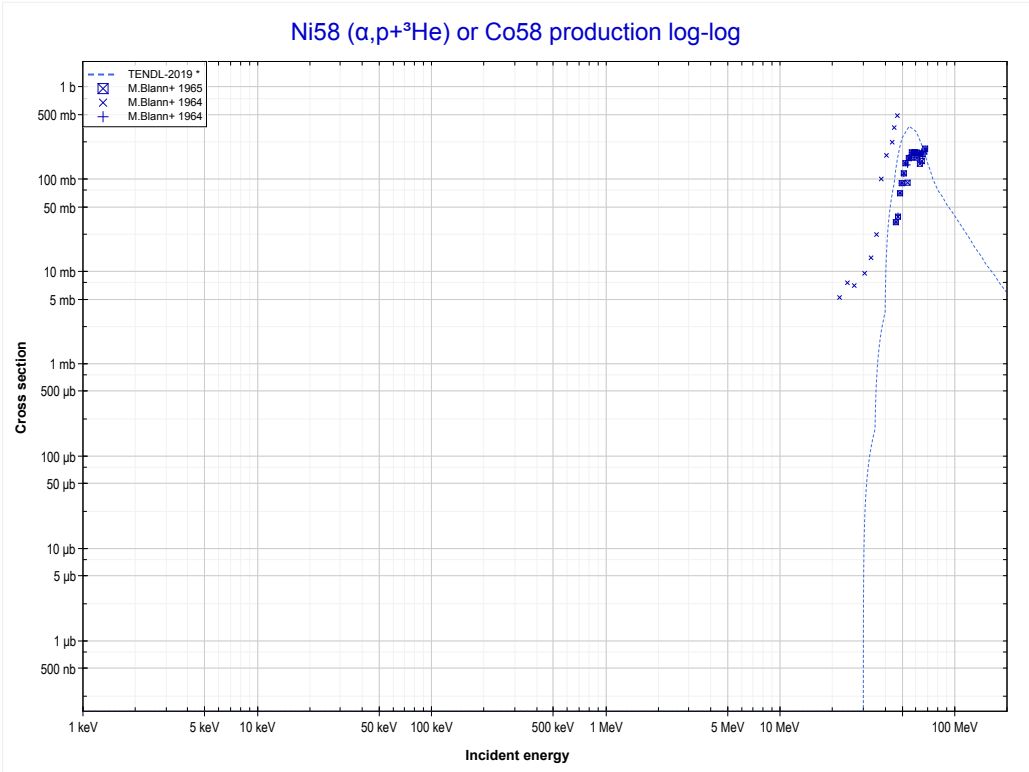
Reaction	Q-Value	Reaction	Q-Value
Ni58($\alpha,d+\alpha$)Co56	-17324.02 keV	Ni58($\alpha,n+p+2d$)Co56	-43395.12 keV
Ni58($\alpha,n+p+\alpha$)Co56	-19548.59 keV	Ni58($\alpha,2n+2p+d$)Co56	-45619.68 keV
Ni58($\alpha,t+^3\text{He}$)Co56	-31644.41 keV	Ni58($\alpha,3n+3p$)Co56	-47844.25 keV
Ni58($\alpha,p+d+t$)Co56	-37137.89 keV		
Ni58($\alpha,n+d+^3\text{He}$)Co56	-37901.64 keV		
Ni58($\alpha,n+2p+t$)Co56	-39362.45 keV		
Ni58($\alpha,2n+p+^3\text{He}$)Co56	-40126.21 keV		
Ni58($\alpha,3d$)Co56	-41170.55 keV		

<< 7-N-14	28-Ni-58	40-Zr-90 >>
<< MT187 ($\alpha,n+d+^3\text{He}$)	MT188 ($\alpha,n+t+^3\text{He}$) or MT5 (Co55 production)	MT191 ($\alpha,p+^3\text{He}$) >>



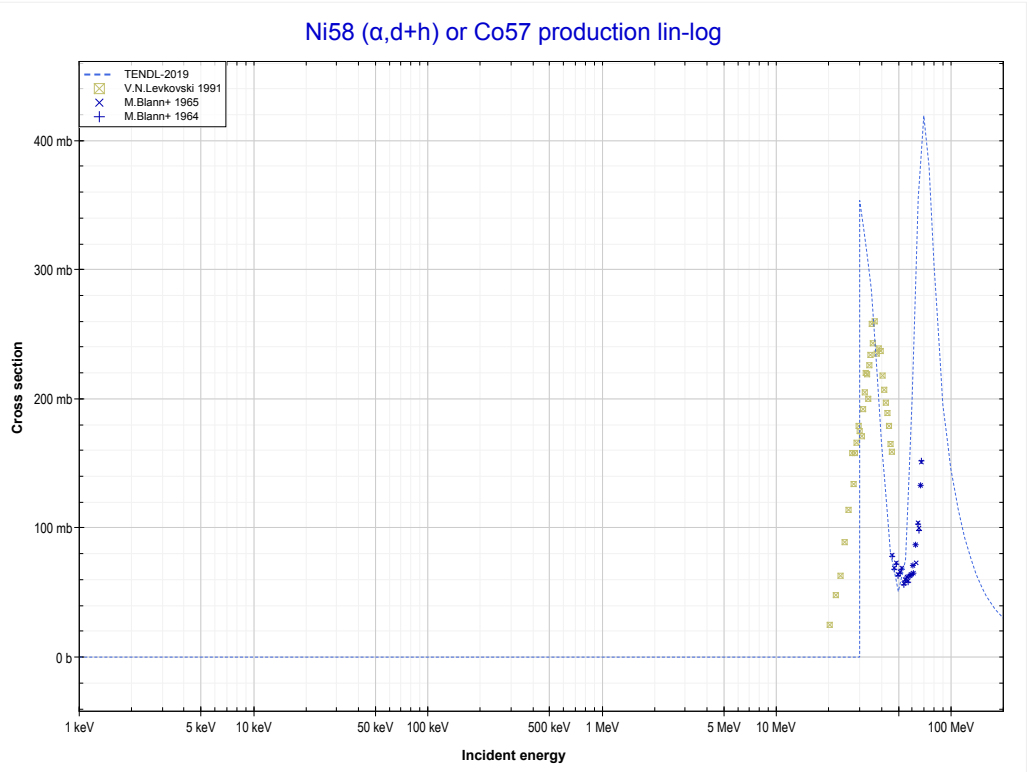
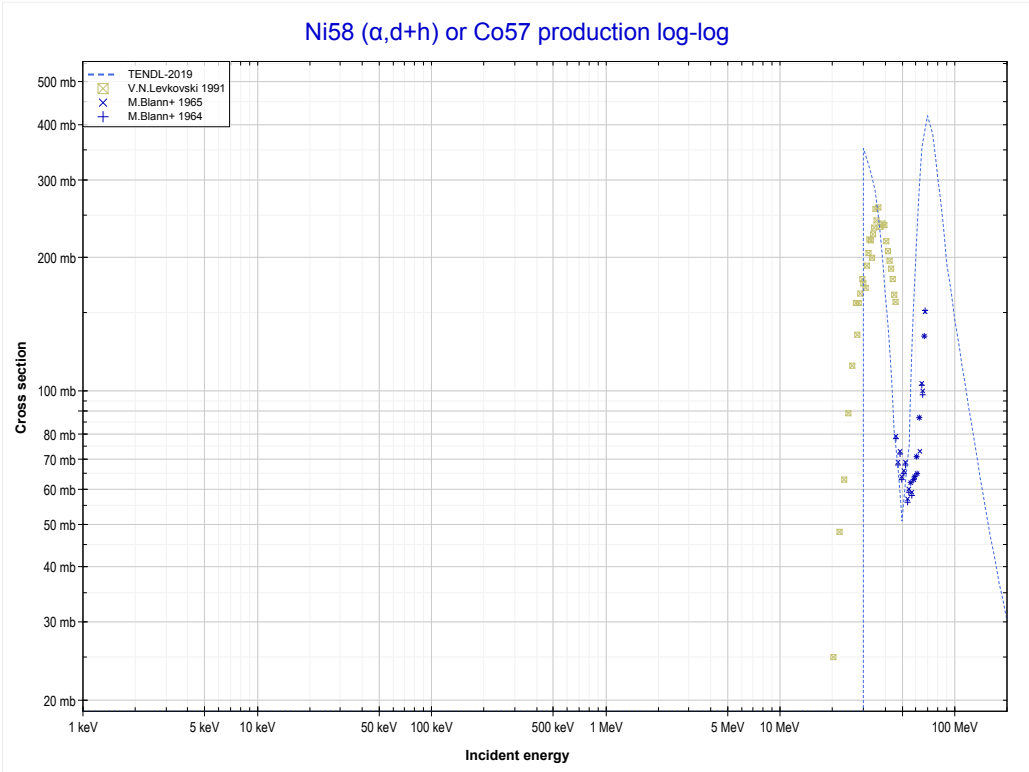
Reaction	Q-Value	Reaction	Q-Value
Ni58($\alpha,t+\alpha$)Co55	-21148.61 keV	Ni58($\alpha,2n+2p+t$)Co55	-49444.27 keV
Ni58($\alpha,n+d+\alpha$)Co55	-27405.84 keV	Ni58($\alpha,3n+p+\text{He3}$)Co55	-50208.02 keV
Ni58($\alpha,2n+p+\alpha$)Co55	-29630.40 keV	Ni58($\alpha,n+3d$)Co55	-51252.37 keV
Ni58($\alpha,p+2t$)Co55	-40962.47 keV	Ni58($\alpha,2n+p+2d$)Co55	-53476.93 keV
Ni58($\alpha,n+t+\text{He3}$)Co55	-41726.23 keV	Ni58($\alpha,3n+2p+d$)Co55	-55701.50 keV
Ni58($\alpha,2d+t$)Co55	-44995.14 keV	Ni58($\alpha,4n+3p$)Co55	-57926.06 keV
Ni58($\alpha,n+p+d+t$)Co55	-47219.70 keV		
Ni58($\alpha,2n+d+\text{He3}$)Co55	-47983.46 keV		

<< 27-Co-59	28-Ni-58	
<< MT188 ($\alpha,n+t+{}^3\text{He}$)	MT191 ($\alpha,p+{}^3\text{He}$) or MT5 (Co58 production)	MT192 ($\alpha,d+{}^3\text{He}$) >>



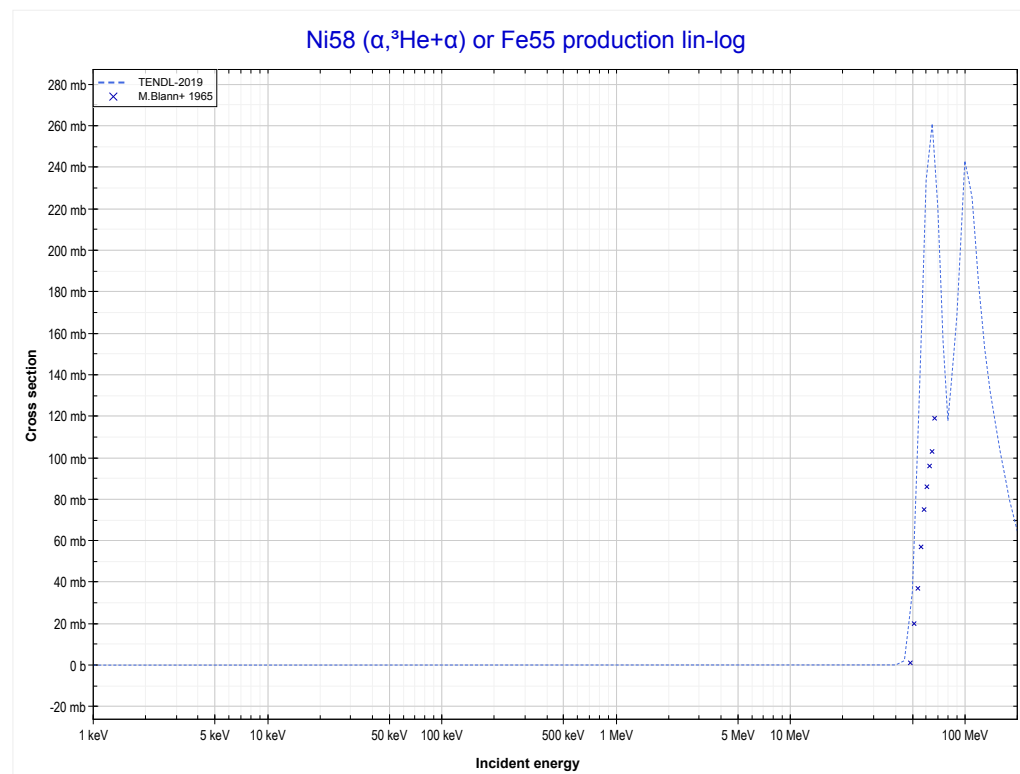
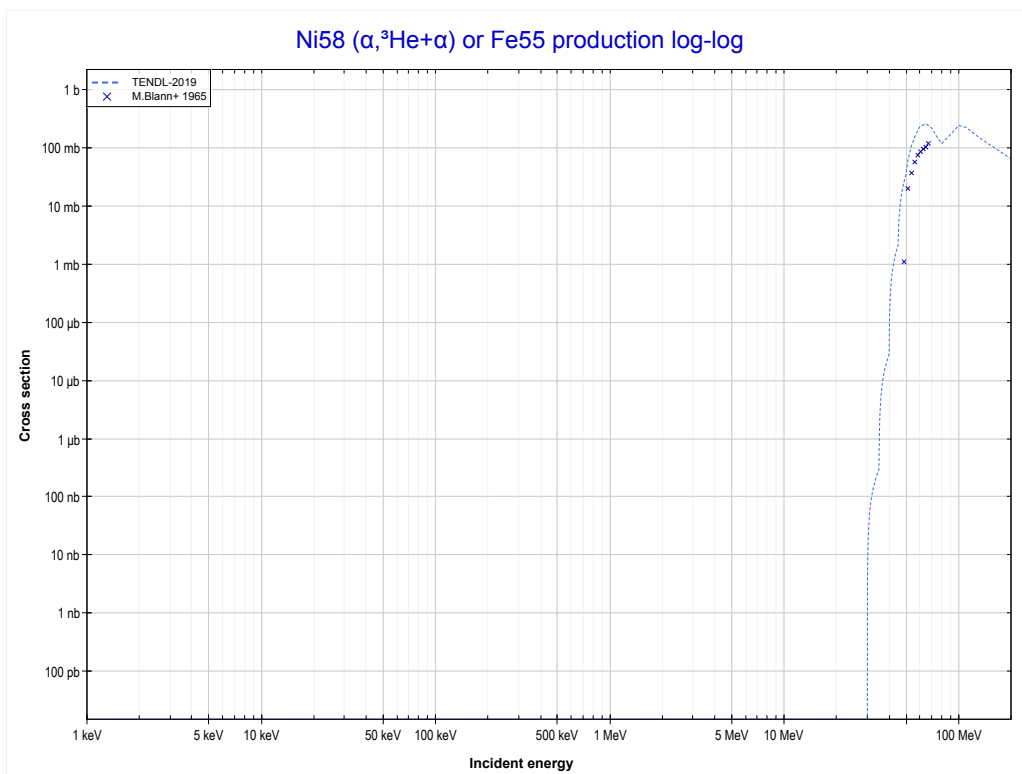
Reaction	Q-Value
Ni58($\alpha,p+{}^3\text{He}$)Co58	-20176.77 keV
Ni58($\alpha,2p+d$)Co58	-25670.25 keV
Ni58($\alpha,n+3p$)Co58	-27894.81 keV

<< 26-Fe-57	28-Ni-58	28-Ni-62 >>
<< MT191 (α ,p+ ^3He)	MT192 (α ,d+ ^3He) or MT5 (Co57 production)	MT193 (α , ^3He + α) >>



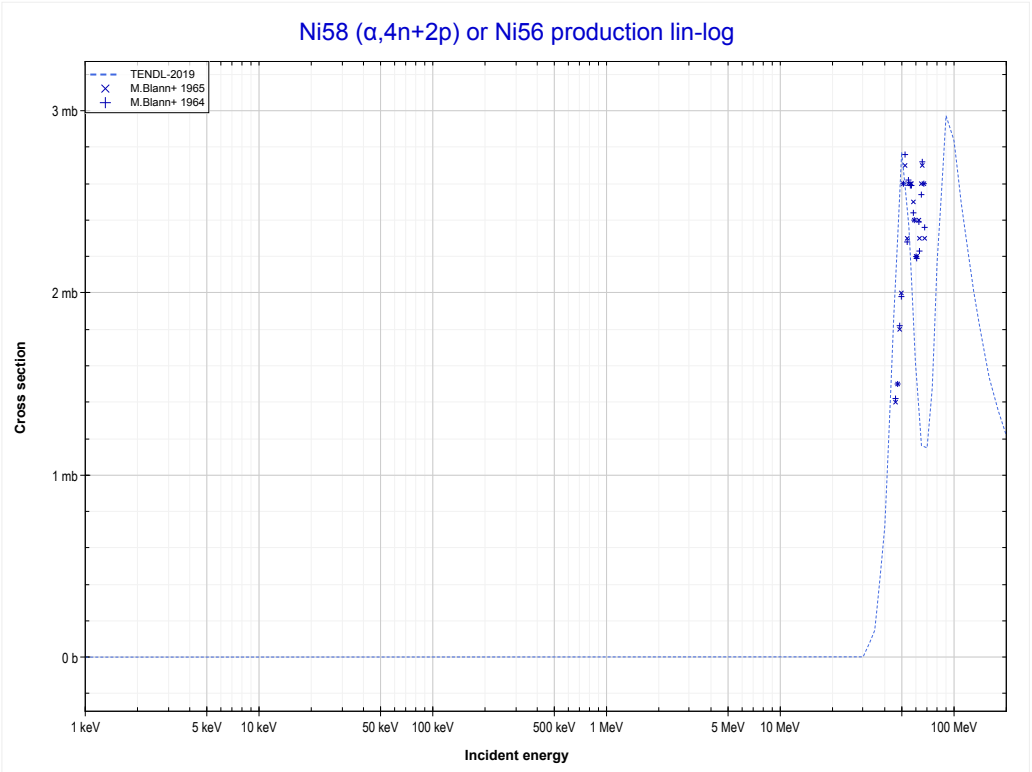
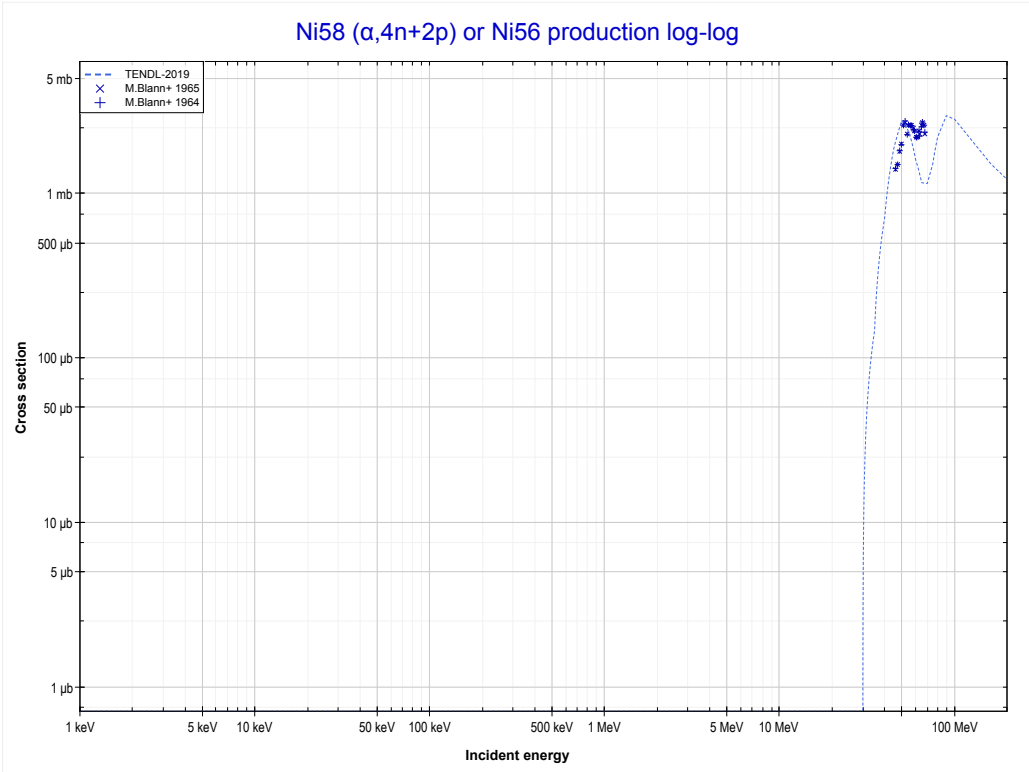
Reaction	Q-Value
Ni58(α ,p+ α)Co57	-8172.07 keV
Ni58(α ,d+He3)Co57	-26525.12 keV
Ni58(α ,2p+t)Co57	-27985.94 keV
Ni58(α ,n+p+He3)Co57	-28749.69 keV
Ni58(α ,p+2d)Co57	-32018.60 keV
Ni58(α ,n+2p+d)Co57	-34243.16 keV
Ni58(α ,2n+3p)Co57	-36467.73 keV

<< 27-Co-59	28-Ni-58	
<< MT192 ($\alpha, d+^3\text{He}$)	MT193 ($\alpha, ^3\text{He}+\alpha$) or MT5 (Fe55 production)	MT194 ($\alpha, 4n+2p$) >>



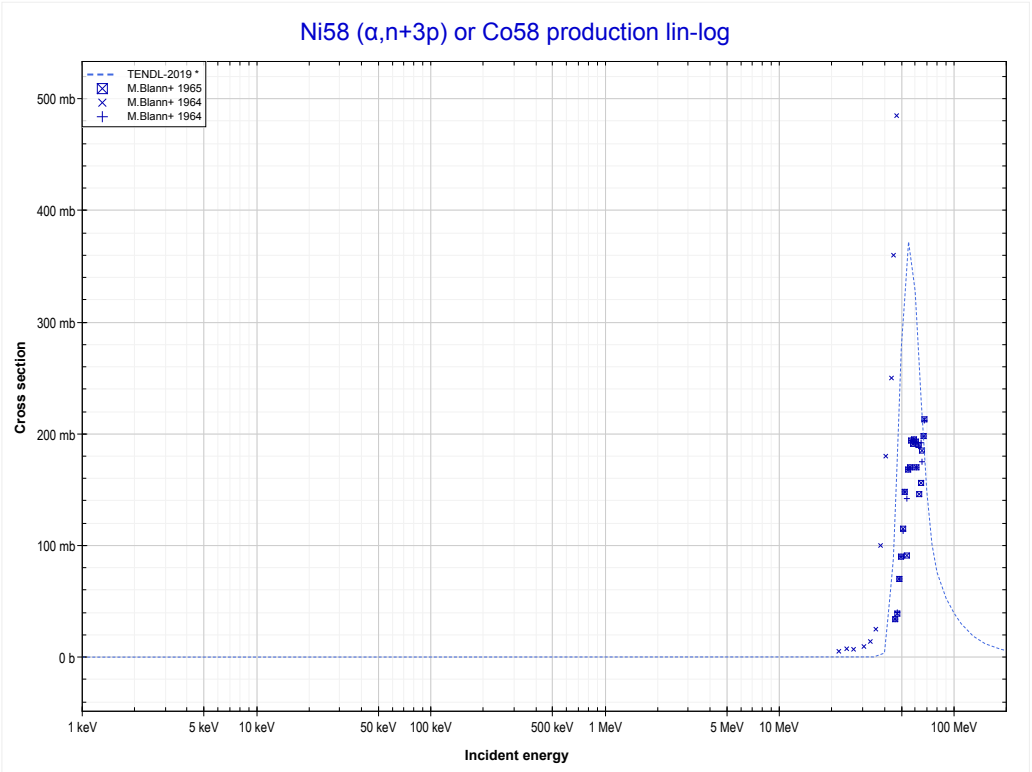
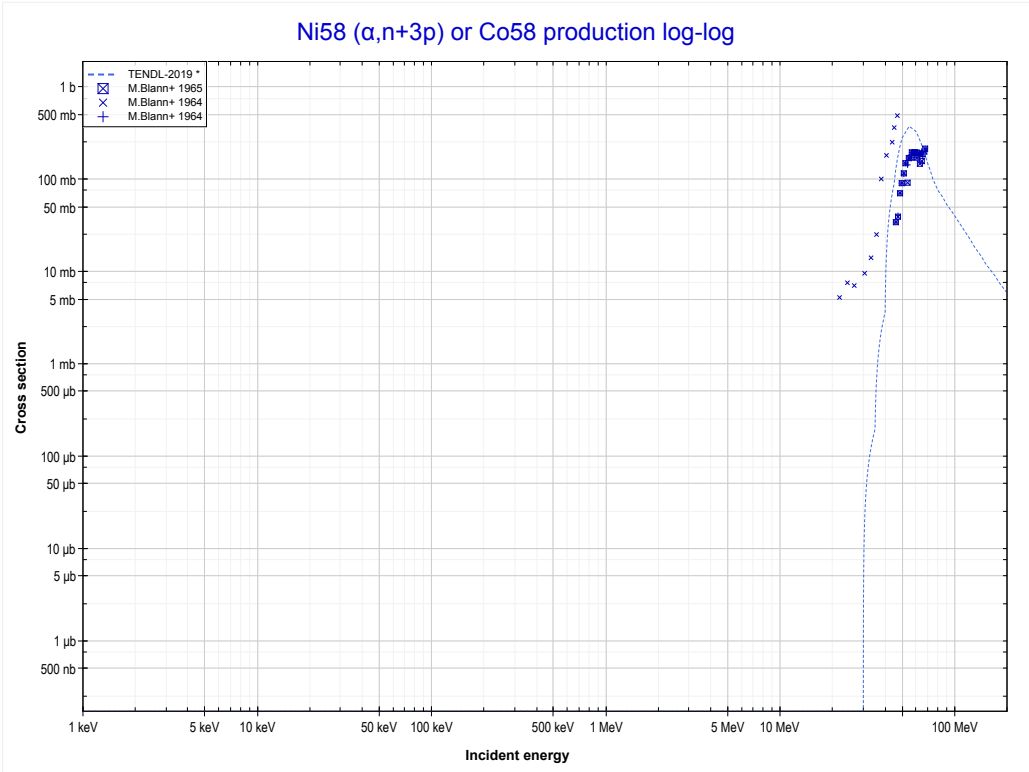
Reaction	Q-Value	Reaction	Q-Value
Ni58($\alpha, \text{He3}+\alpha$)Fe55	-17678.62 keV	Ni58($\alpha, n+3p+t$)Fe55	-45210.52 keV
Ni58($\alpha, p+d+\alpha$)Fe55	-23172.09 keV	Ni58($\alpha, 2n+2p+\text{He3}$)Fe55	-45974.28 keV
Ni58($\alpha, n+2p+\alpha$)Fe55	-25396.66 keV	Ni58($\alpha, p+3d$)Fe55	-47018.62 keV
Ni58($\alpha, p+t+\text{He3}$)Fe55	-37492.48 keV	Ni58($\alpha, n+2p+2d$)Fe55	-49243.19 keV
Ni58($\alpha, n+2\text{He3}$)Fe55	-38256.24 keV	Ni58($\alpha, 2n+3p+d$)Fe55	-51467.75 keV
Ni58($\alpha, 2d+\text{He3}$)Fe55	-41525.15 keV	Ni58($\alpha, 3n+4p$)Fe55	-53692.32 keV
Ni58($\alpha, 2p+d+t$)Fe55	-42985.96 keV		
Ni58($\alpha, n+p+d+\text{He3}$)Fe55	-43749.71 keV		

<< 27-Co-59	28-Ni-58	29-Cu-63 >>
<< MT193 (α , $^3\text{He}+\alpha$)	MT194 (α ,4n+2p) or MT5 (Ni56 production)	MT198 (α ,n+3p) >>



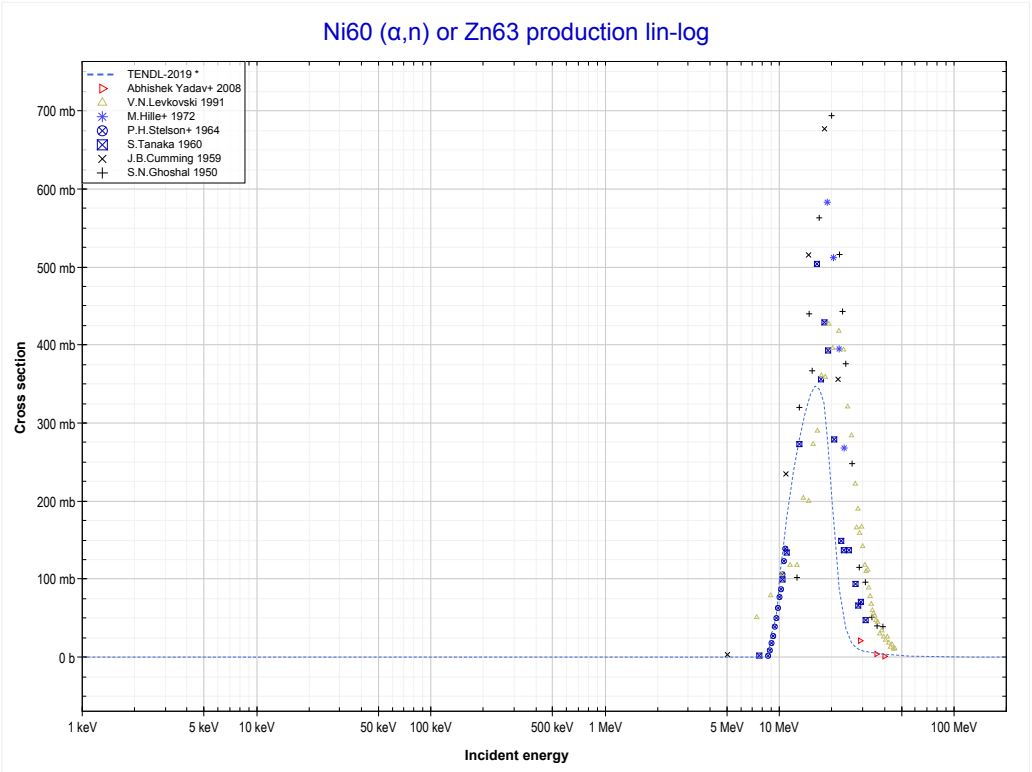
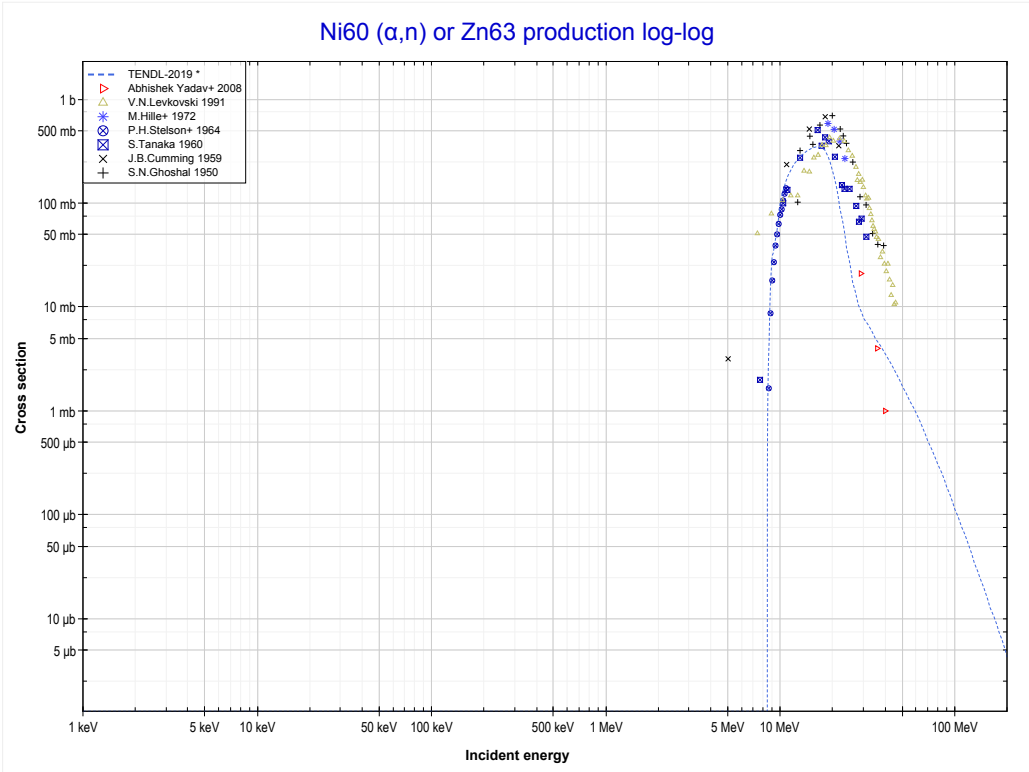
Reaction	Q-Value
Ni58(α ,2n+ α)Ni56	-22463.83 keV
Ni58(α ,2t)Ni56	-33795.90 keV
Ni58(α ,n+d+t)Ni56	-40053.13 keV
Ni58(α ,2n+p+t)Ni56	-42277.70 keV
Ni58(α ,3n+He3)Ni56	-43041.45 keV
Ni58(α ,2n+2d)Ni56	-46310.36 keV
Ni58(α ,3n+p+d)Ni56	-48534.93 keV
Ni58(α ,4n+2p)Ni56	-50759.49 keV

<< 27-Co-59	28-Ni-58	
<< MT194 ($\alpha,4n+2p$)	MT198 ($\alpha,n+3p$) or MT5 (Co58 production)	28-Ni-60 MT4 (α,n) >>



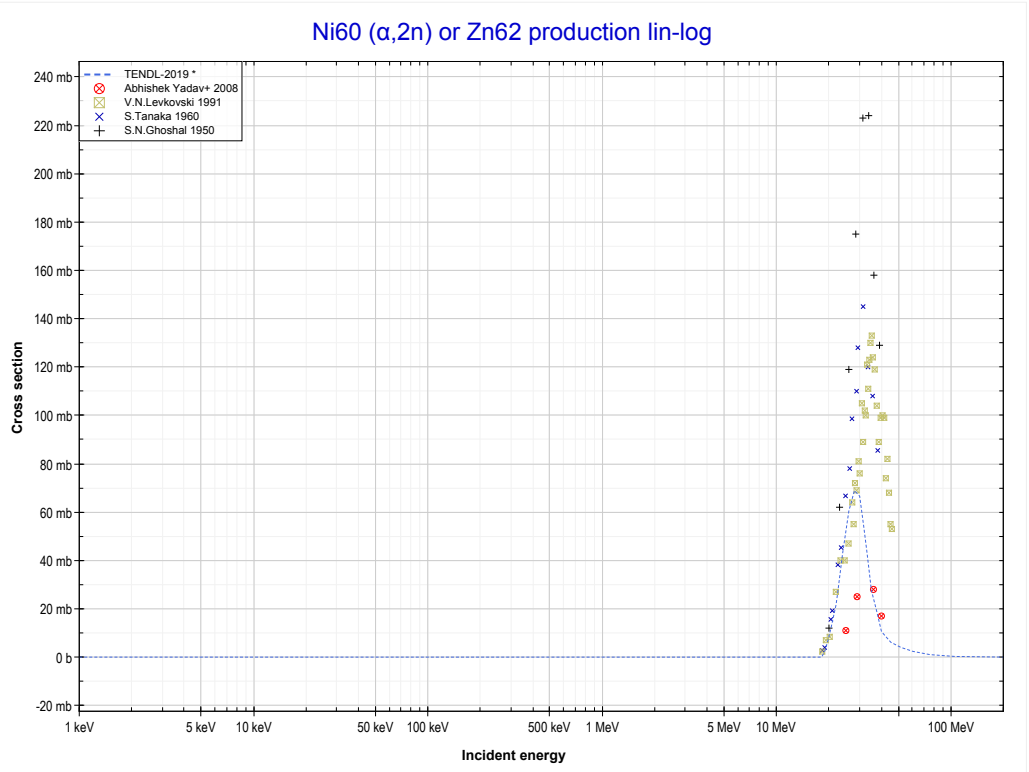
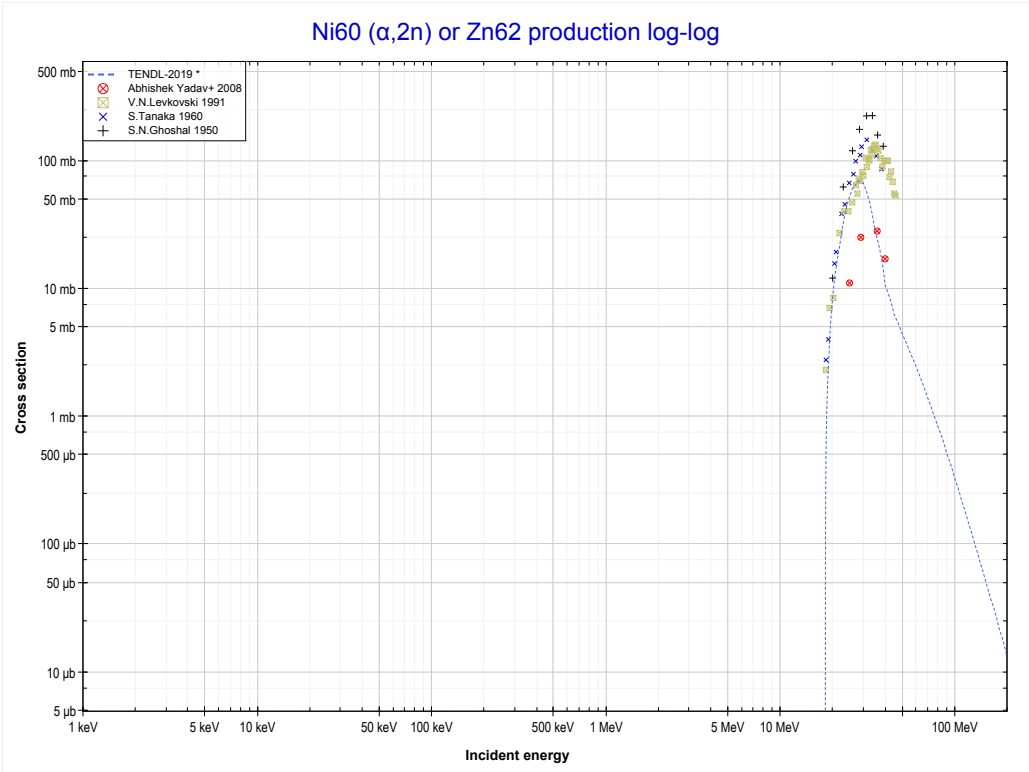
Reaction	Q-Value
Ni58($\alpha,p+He3$)Co58	-20176.77 keV
Ni58($\alpha,2p+d$)Co58	-25670.25 keV
Ni58($\alpha,n+3p$)Co58	-27894.81 keV

<< 28-Ni-58	28-Ni-60	28-Ni-62 >>
<< 28-Ni-58 MT198 ($\alpha,n+3p$)	MT4 (α,n) or MT5 (Zn63 production)	MT16 ($\alpha,2n$) >>



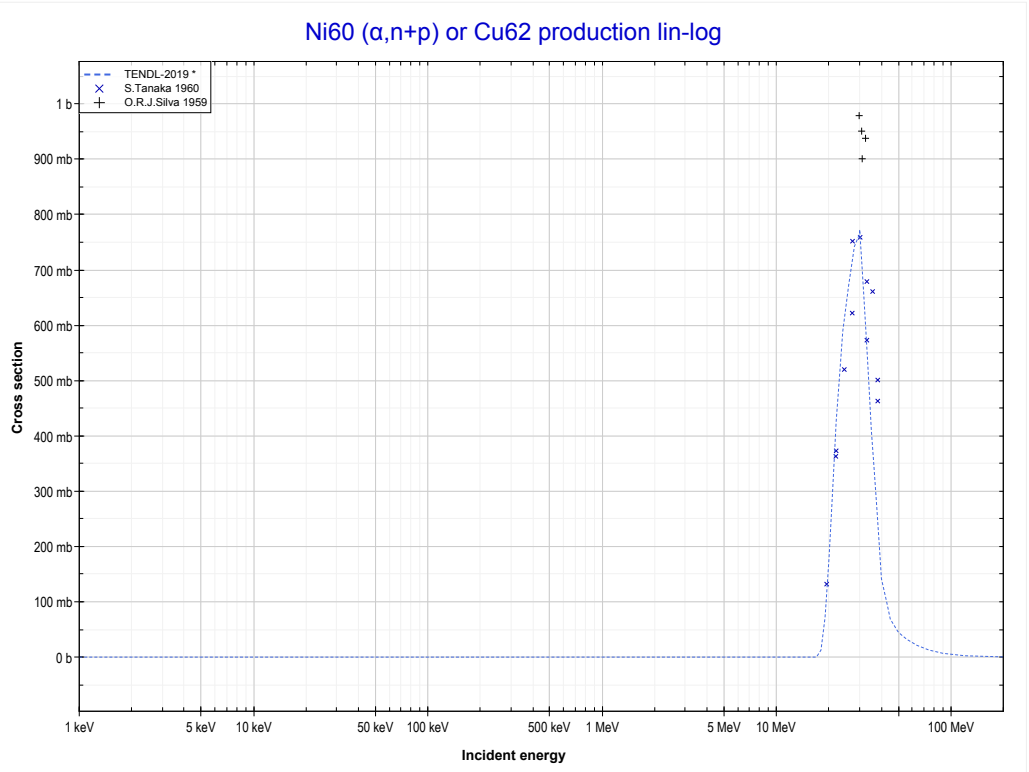
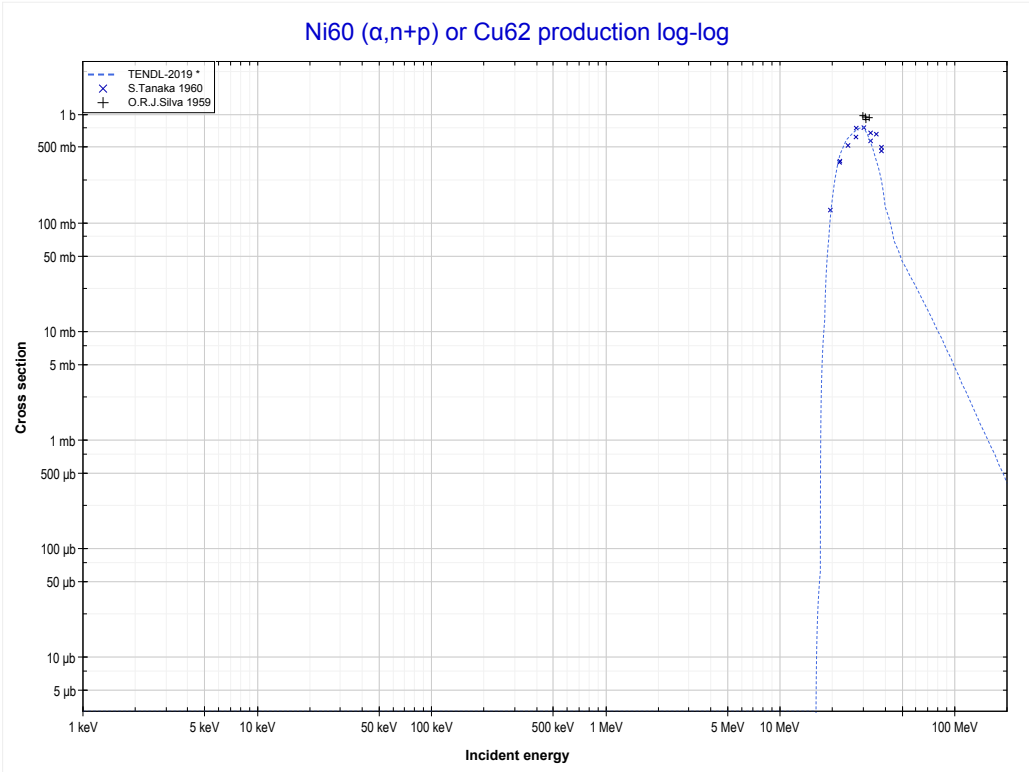
Reaction	Q-Value
Ni60(α,n)Zn63	-7906.10 keV

<< 28-Ni-58	28-Ni-60	28-Ni-61 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Zn62 production)	MT28 (α,n+p) >>



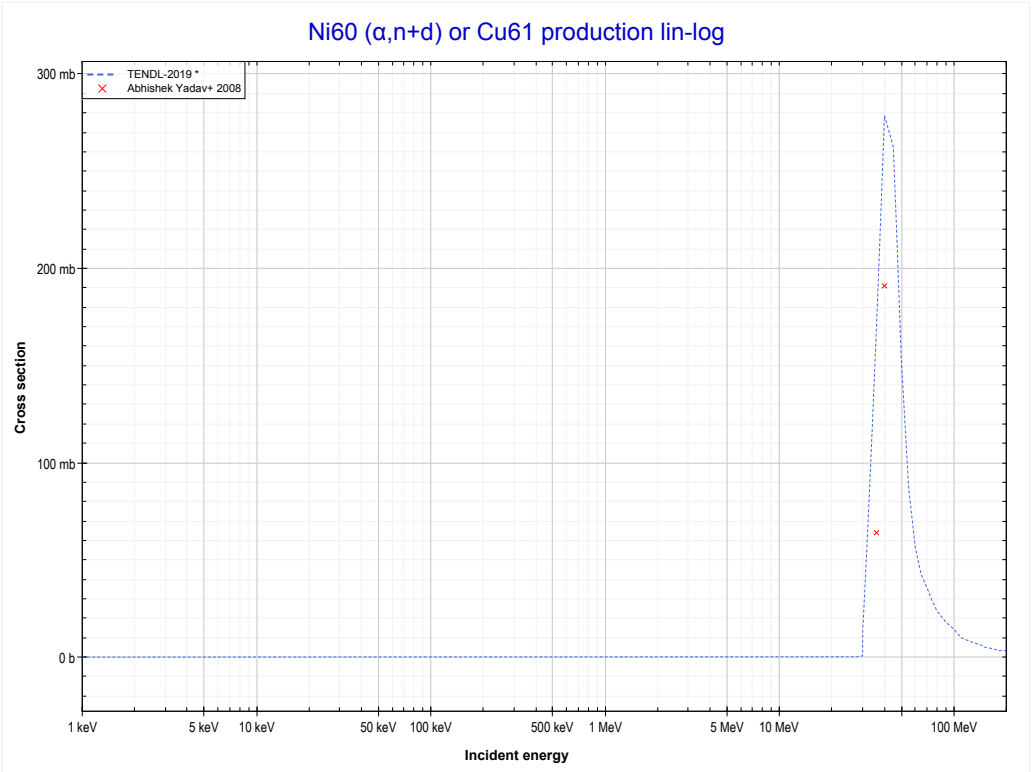
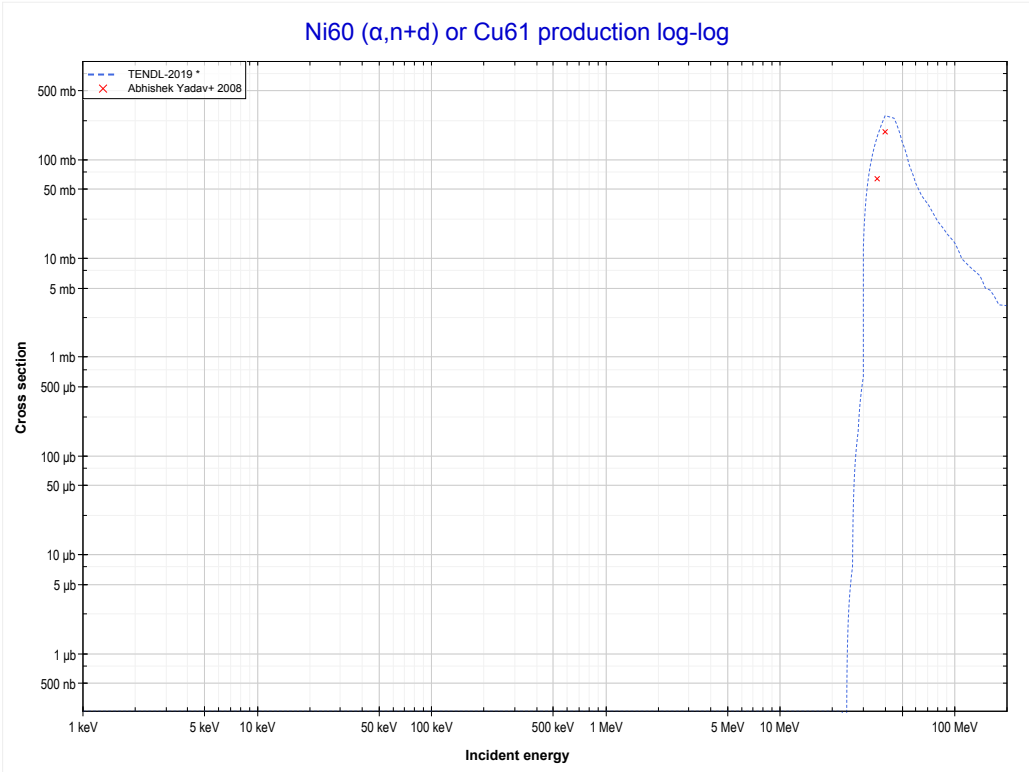
Reaction	Q-Value
Ni60(α,2n)Zn62	-17022.82 keV

<< 28-Ni-58	28-Ni-60	28-Ni-62 >>
<< MT16 (α,2n)	MT28 (α,n+p) or MT5 (Cu62 production)	MT32 (α,n+d) >>



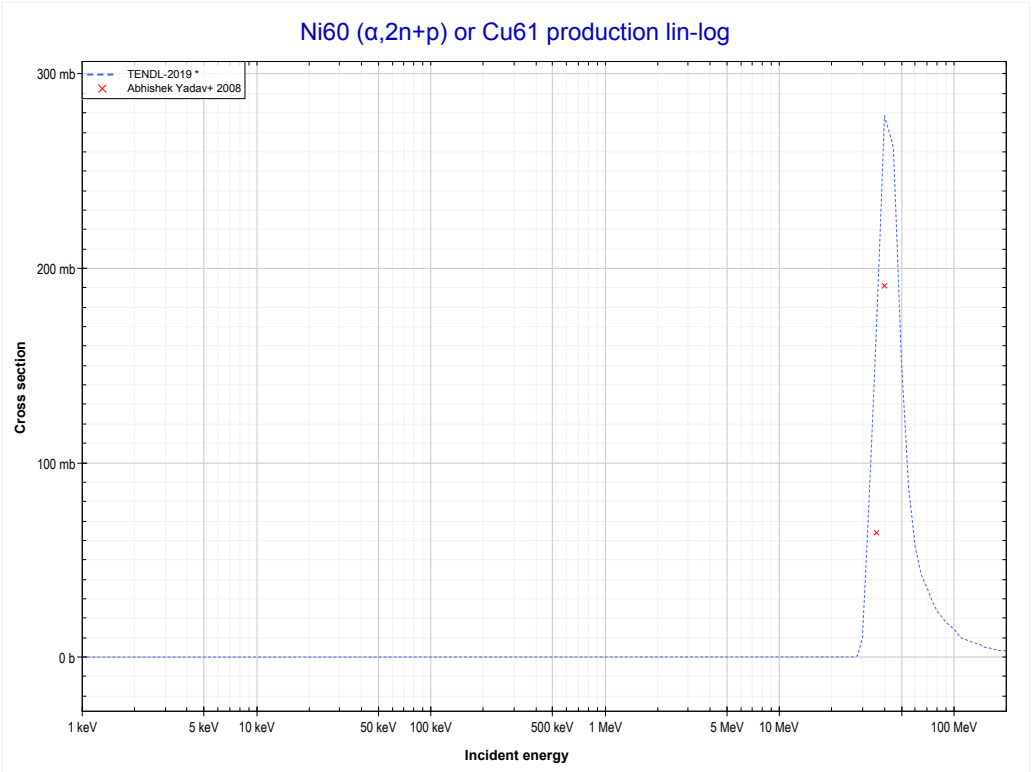
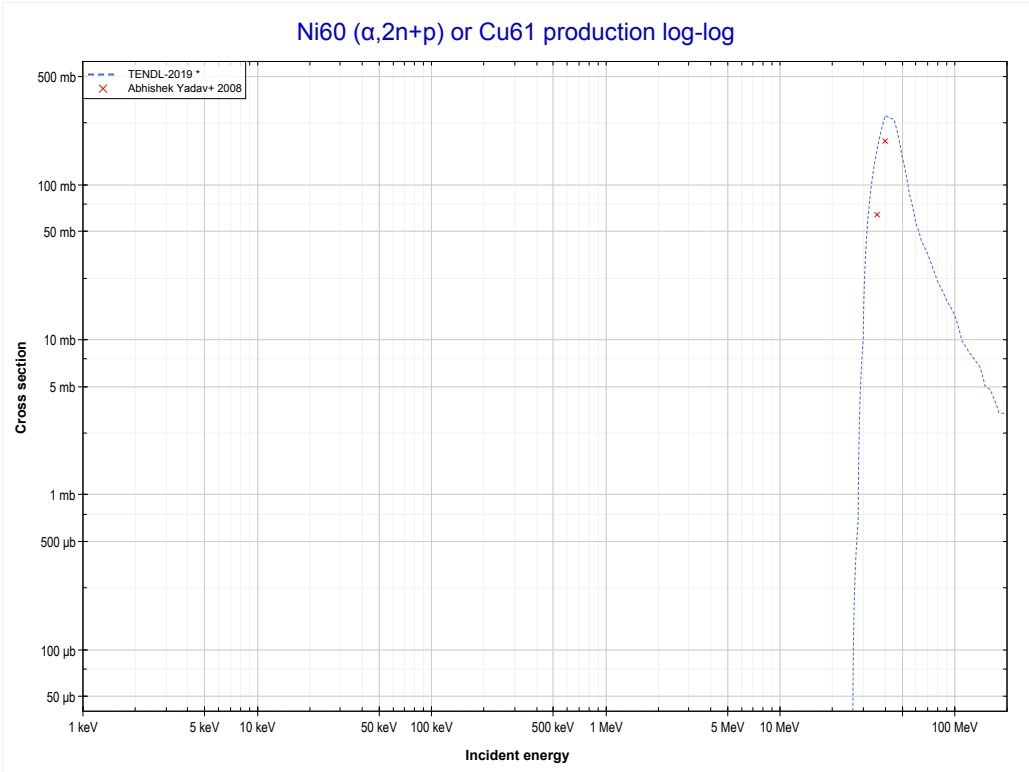
Reaction	Q-Value
Ni60(α,d)Cu62	-12396.51 keV
Ni60(α,n+p)Cu62	-14621.07 keV

<< 26-Fe-57	28-Ni-60	30-Zn-64 >>
<< MT28 (α ,n+p)	MT32 (α ,n+d) or MT5 (Cu61 production)	MT41 (α ,2n+p) >>



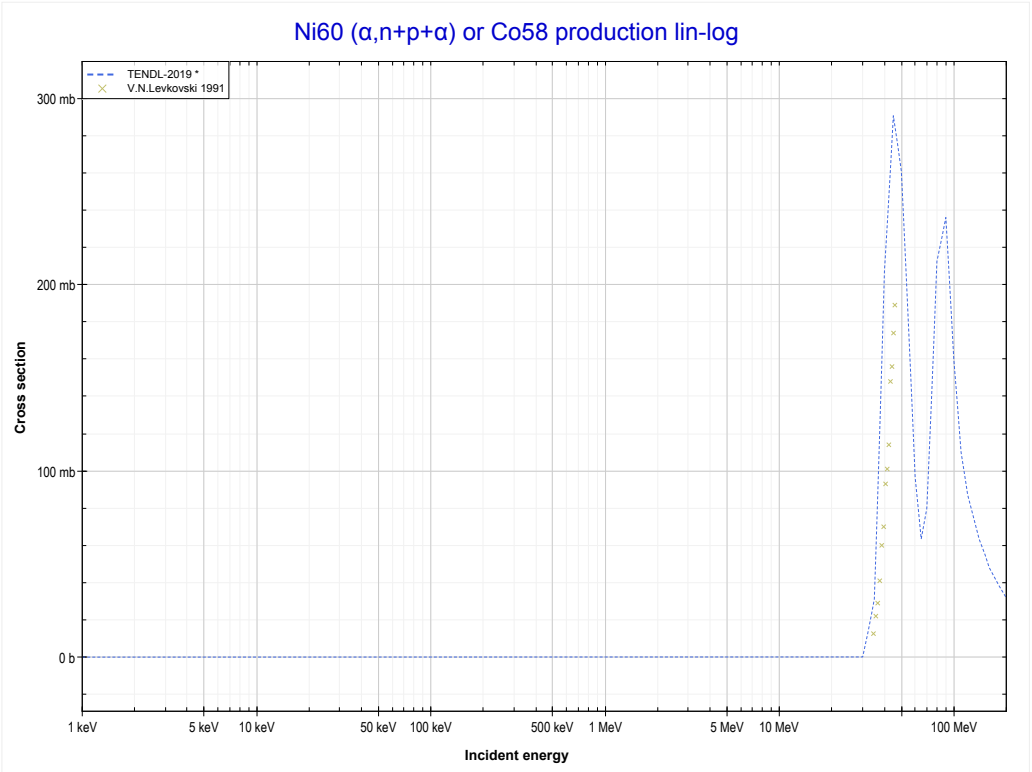
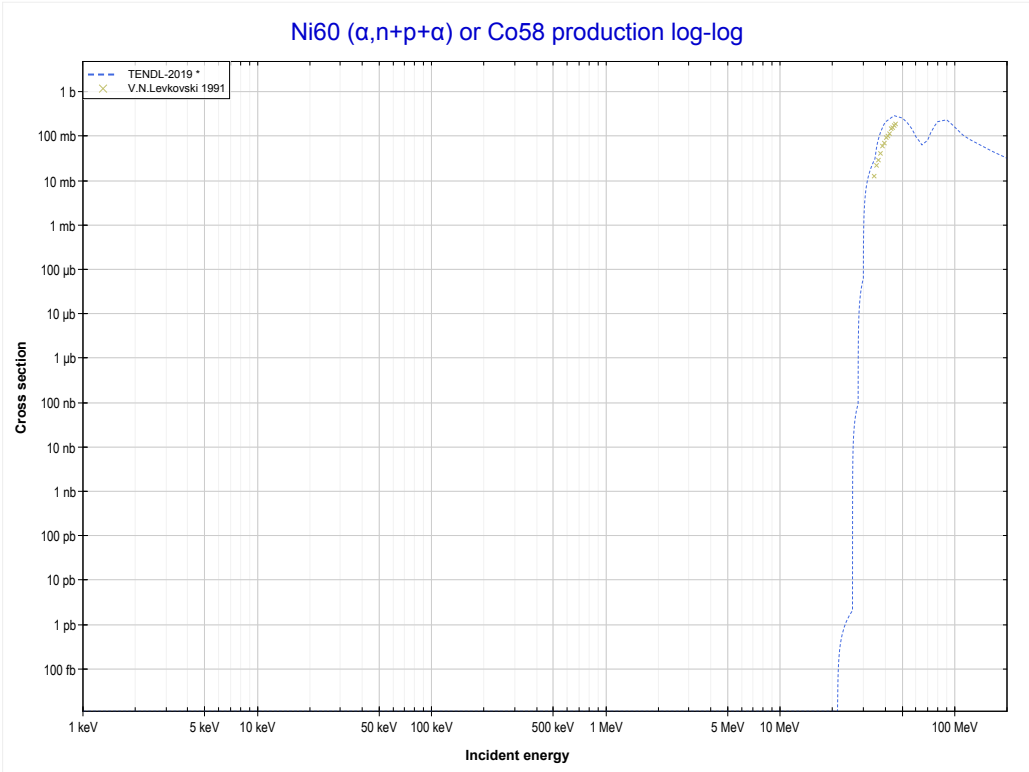
Reaction	Q-Value
Ni60(α ,t)Cu61	-15013.89 keV
Ni60(α ,n+d)Cu61	-21271.12 keV
Ni60(α ,2n+p)Cu61	-23495.69 keV

<< 26-Fe-57	28-Ni-60	30-Zn-64 >>
<< MT32 (α ,n+d)	MT41 (α ,2n+p) or MT5 (Cu61 production)	MT45 (α ,n+p+ α) >>



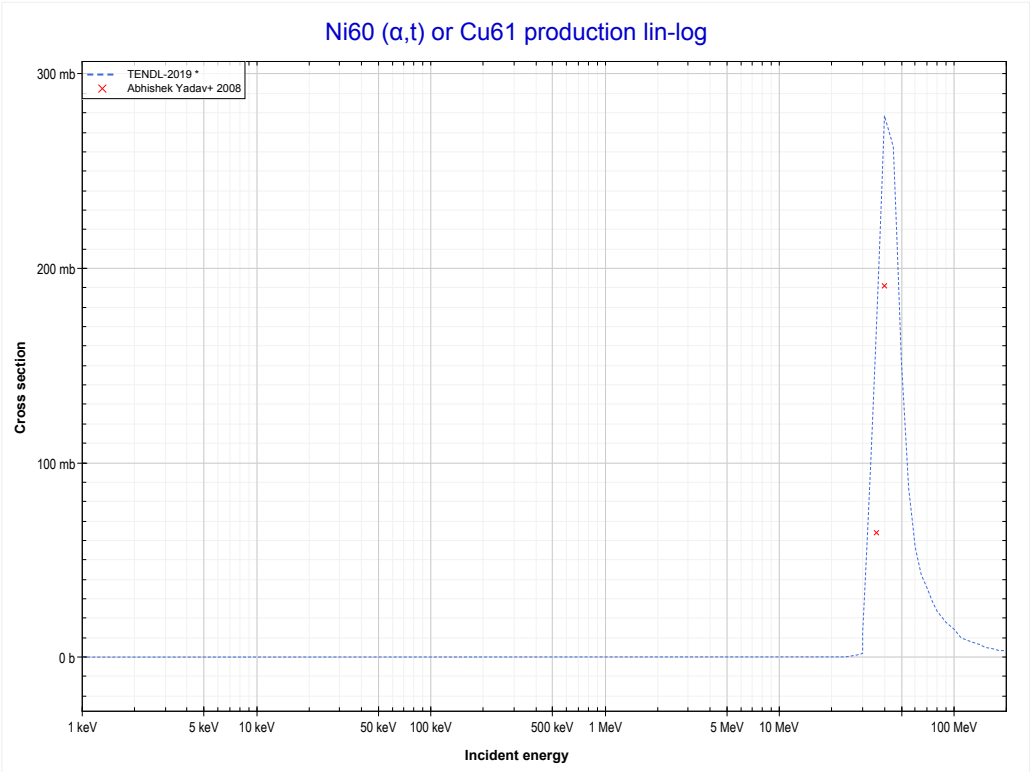
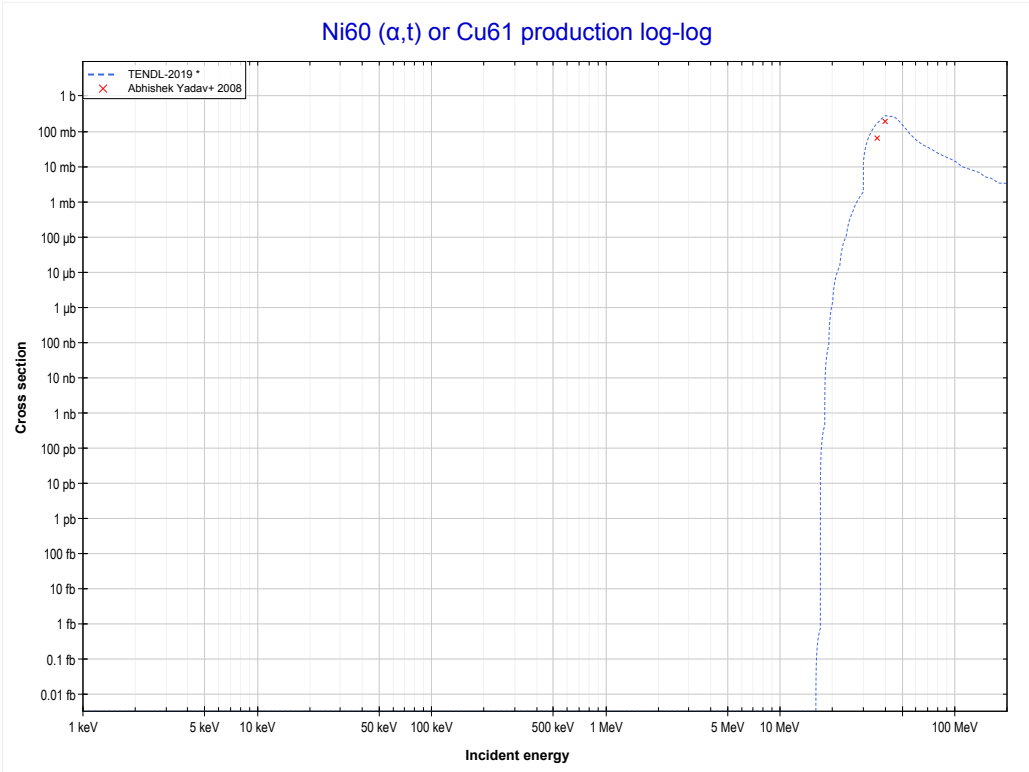
Reaction	Q-Value
Ni60(α ,t)Cu61	-15013.89 keV
Ni60(α ,n+d)Cu61	-21271.12 keV
Ni60(α ,2n+p)Cu61	-23495.69 keV

<< 28-Ni-58	28-Ni-60	30-Zn-64 >>
<< MT41 ($\alpha,2n+p$)	MT45 ($\alpha,n+p+\alpha$) or MT5 (Co58 production)	MT105 (α,t) >>



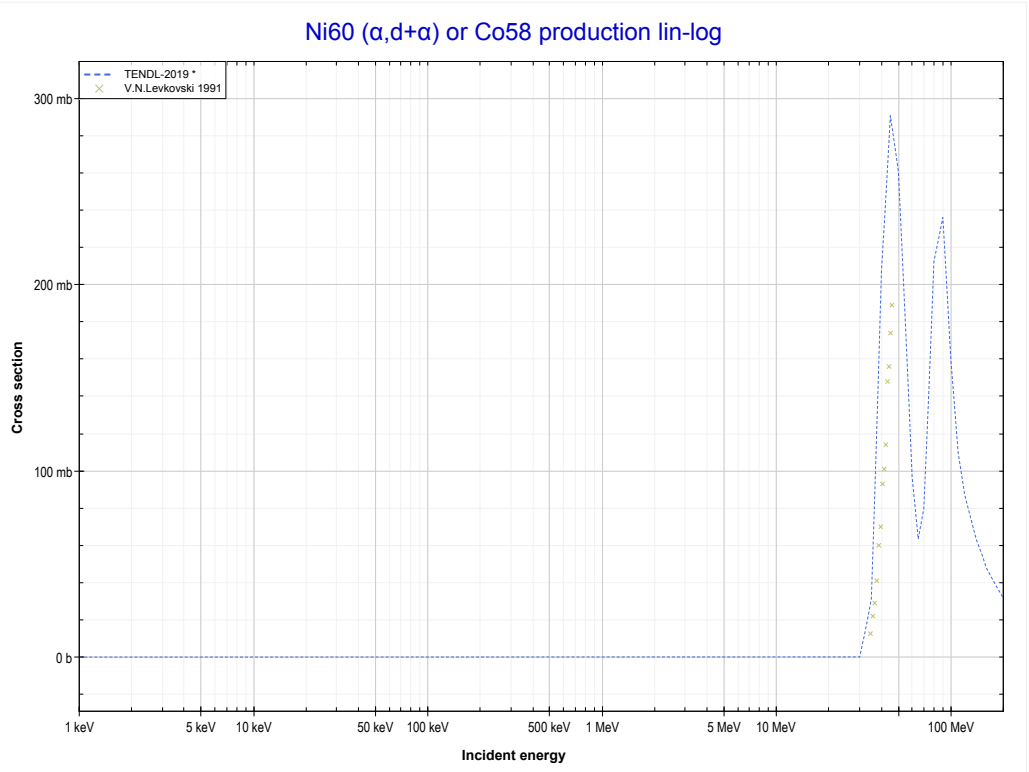
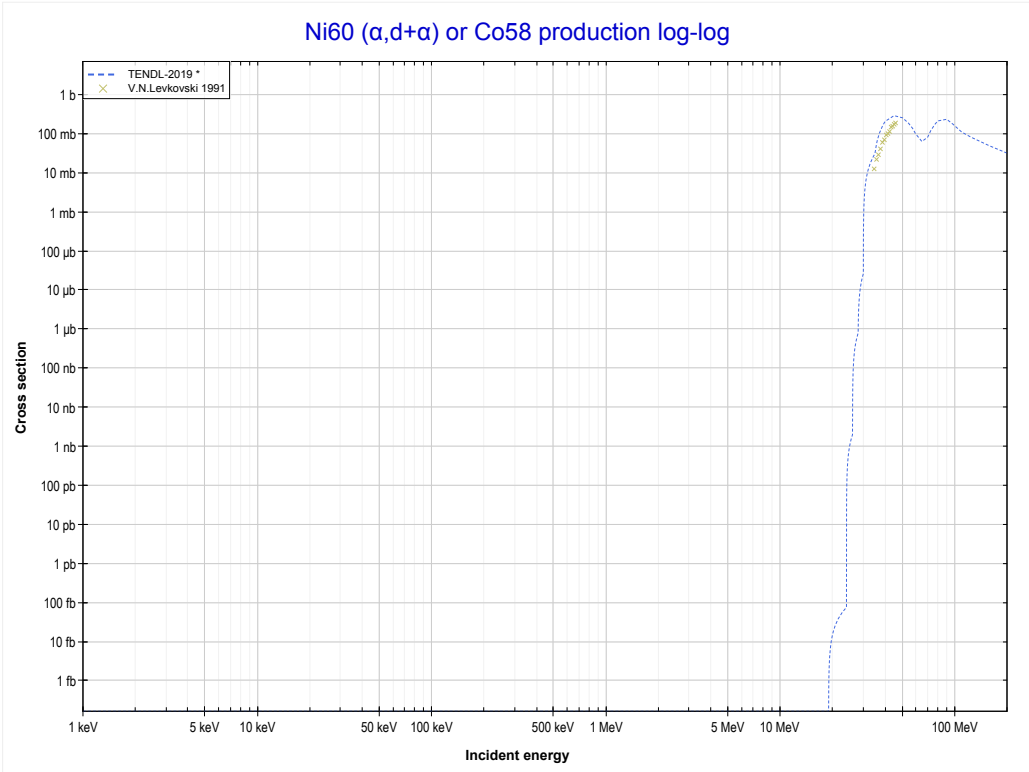
Reaction	Q-Value	Reaction	Q-Value
Ni60($\alpha,d+\alpha$)Co58	-17761.62 keV	Ni60($\alpha,n+p+2d$)Co58	-43832.72 keV
Ni60($\alpha,n+p+\alpha$)Co58	-19986.19 keV	Ni60($\alpha,2n+2p+d$)Co58	-46057.28 keV
Ni60($\alpha,t+He3$)Co58	-32082.01 keV	Ni60($\alpha,3n+3p$)Co58	-48281.85 keV
Ni60($\alpha,p+d+t$)Co58	-37575.49 keV		
Ni60($\alpha,n+d+He3$)Co58	-38339.24 keV		
Ni60($\alpha,n+2p+t$)Co58	-39800.05 keV		
Ni60($\alpha,2n+p+He3$)Co58	-40563.81 keV		
Ni60($\alpha,3d$)Co58	-41608.15 keV		

<< 26-Fe-57	28-Ni-60	30-Zn-64 >>
<< MT45 (α ,n+p+ α)	MT105 (α ,t) or MT5 (Cu61 production)	MT117 (α ,d+ α) >>



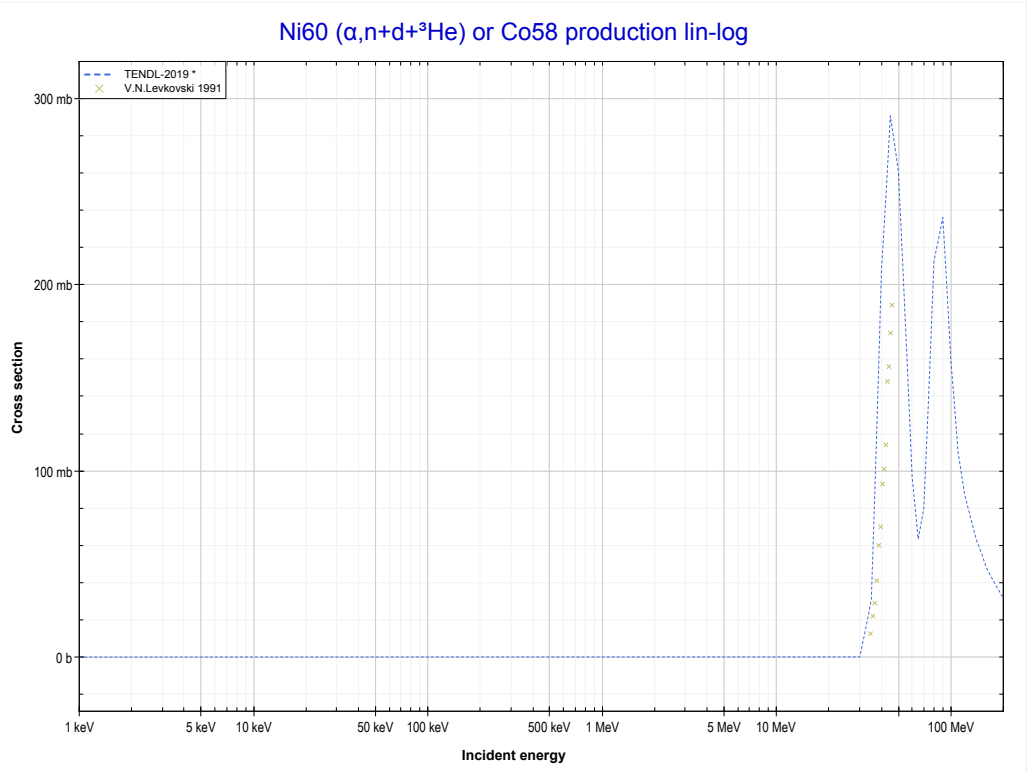
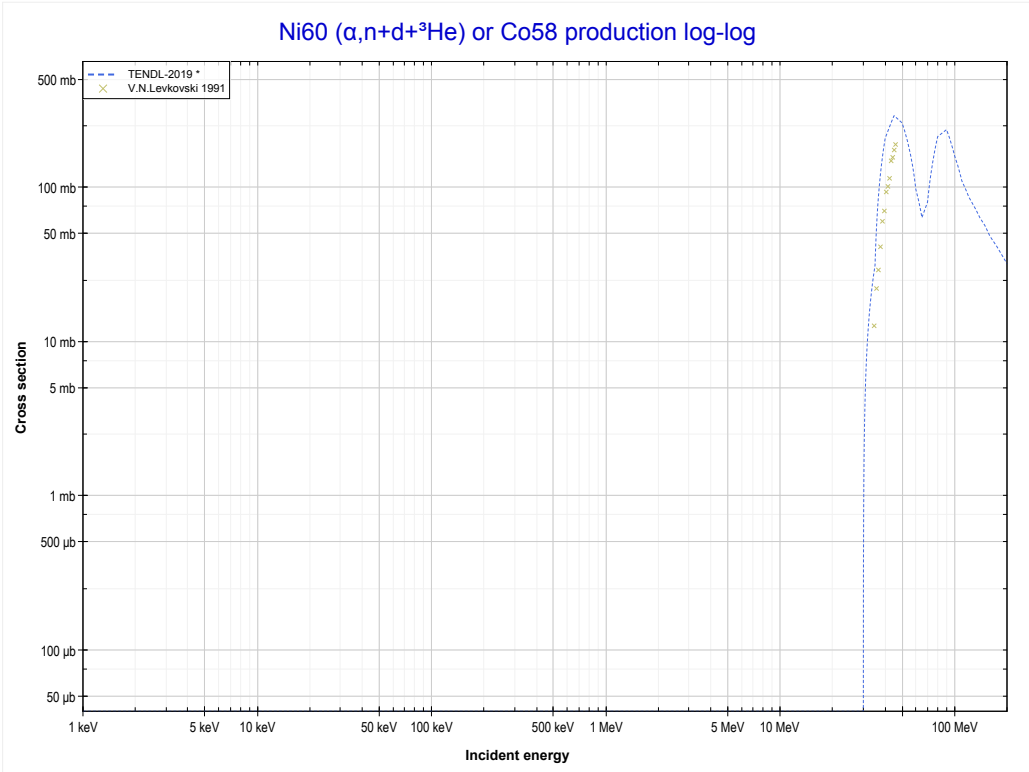
Reaction	Q-Value
Ni60(α ,t)Cu61	-15013.89 keV
Ni60(α ,n+d)Cu61	-21271.12 keV
Ni60(α ,2n+p)Cu61	-23495.69 keV

<< 28-Ni-58	28-Ni-60	30-Zn-66 >>
<< MT105 (α ,t)	MT117 (α ,d+ α) or MT5 (Co58 production)	MT187 (α ,n+d+ ^3He) >>



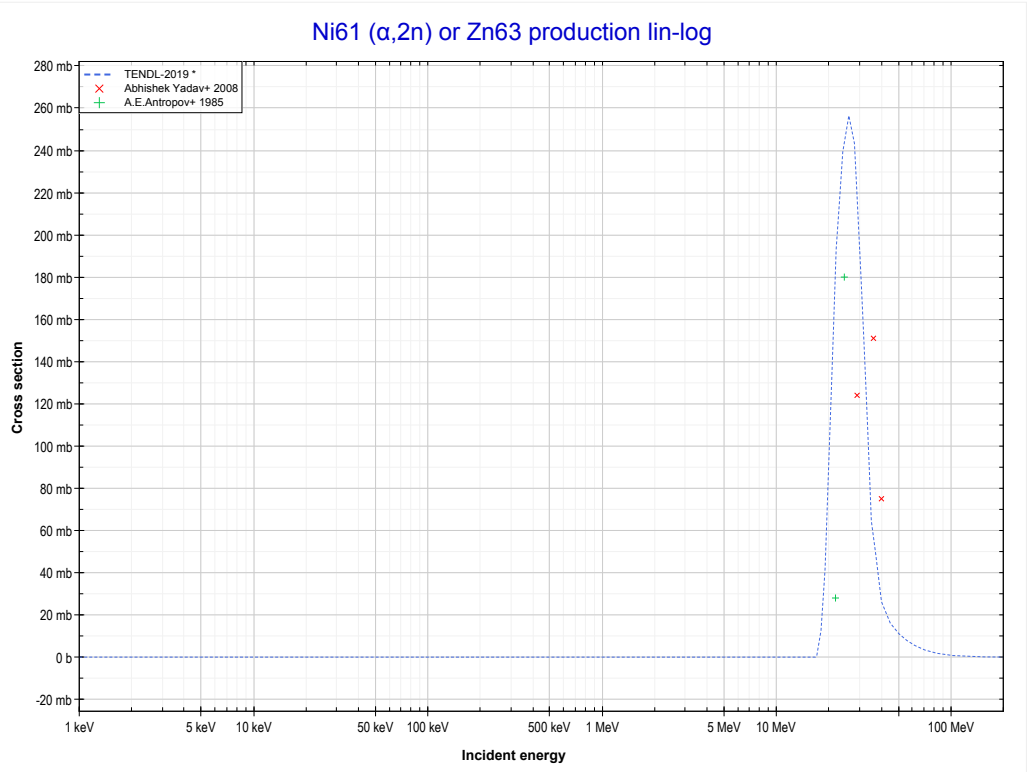
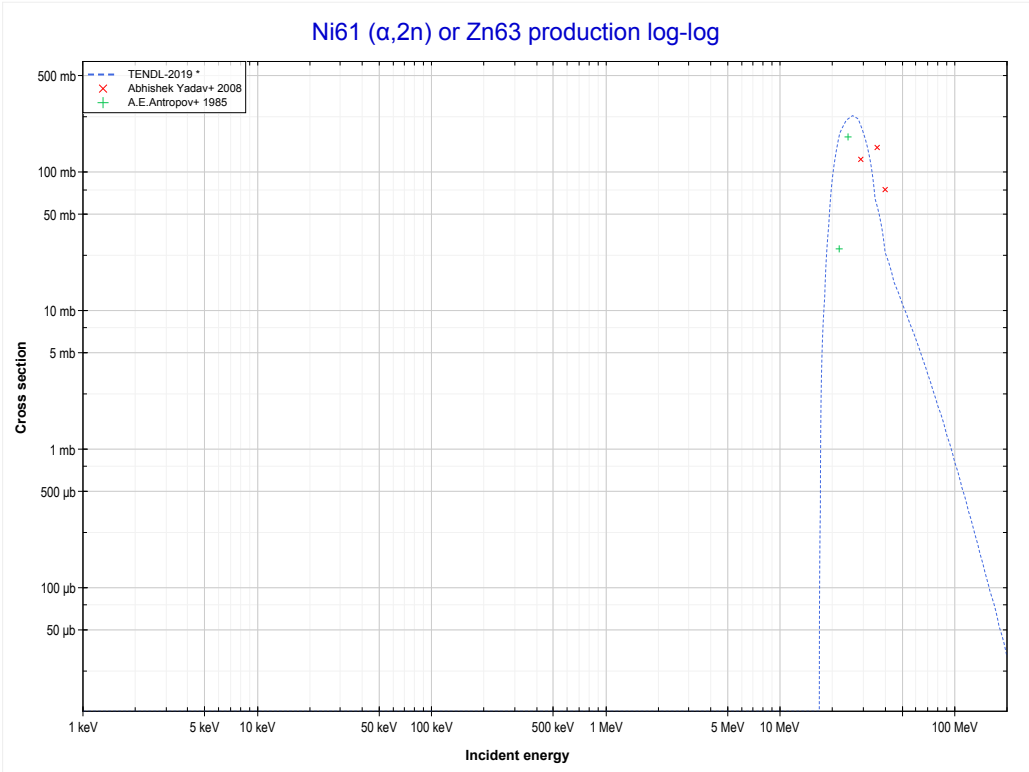
Reaction	Q-Value	Reaction	Q-Value
Ni60(α ,d+ α)Co58	-17761.62 keV	Ni60(α ,n+p+2d)Co58	-43832.72 keV
Ni60(α ,n+p+ α)Co58	-19986.19 keV	Ni60(α ,2n+2p+d)Co58	-46057.28 keV
Ni60(α ,t+He3)Co58	-32082.01 keV	Ni60(α ,3n+3p)Co58	-48281.85 keV
Ni60(α ,p+d+t)Co58	-37575.49 keV		
Ni60(α ,n+d+He3)Co58	-38339.24 keV		
Ni60(α ,n+2p+t)Co58	-39800.05 keV		
Ni60(α ,2n+p+He3)Co58	-40563.81 keV		
Ni60(α ,3d)Co58	-41608.15 keV		

<< 28-Ni-58	28-Ni-60	30-Zn-66 >>
<< MT117 (α ,d+ α)	MT187 (α ,n+d+ ^3He) or MT5 (Co58 production)	28-Ni-61 MT16 (α ,2n) >>



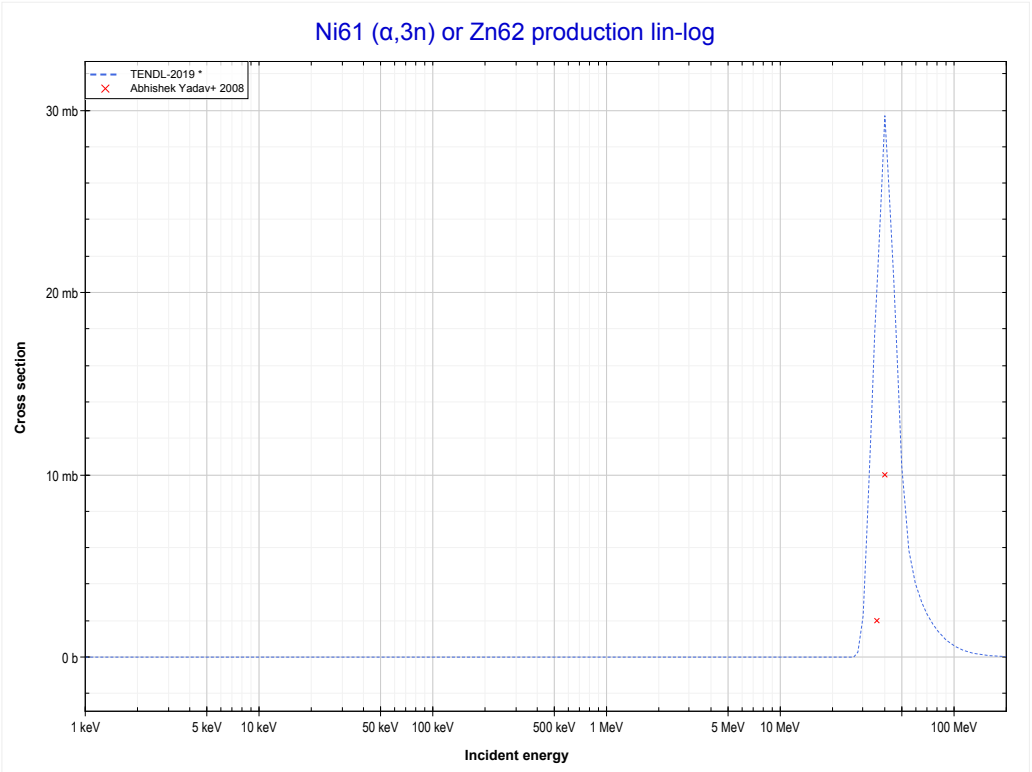
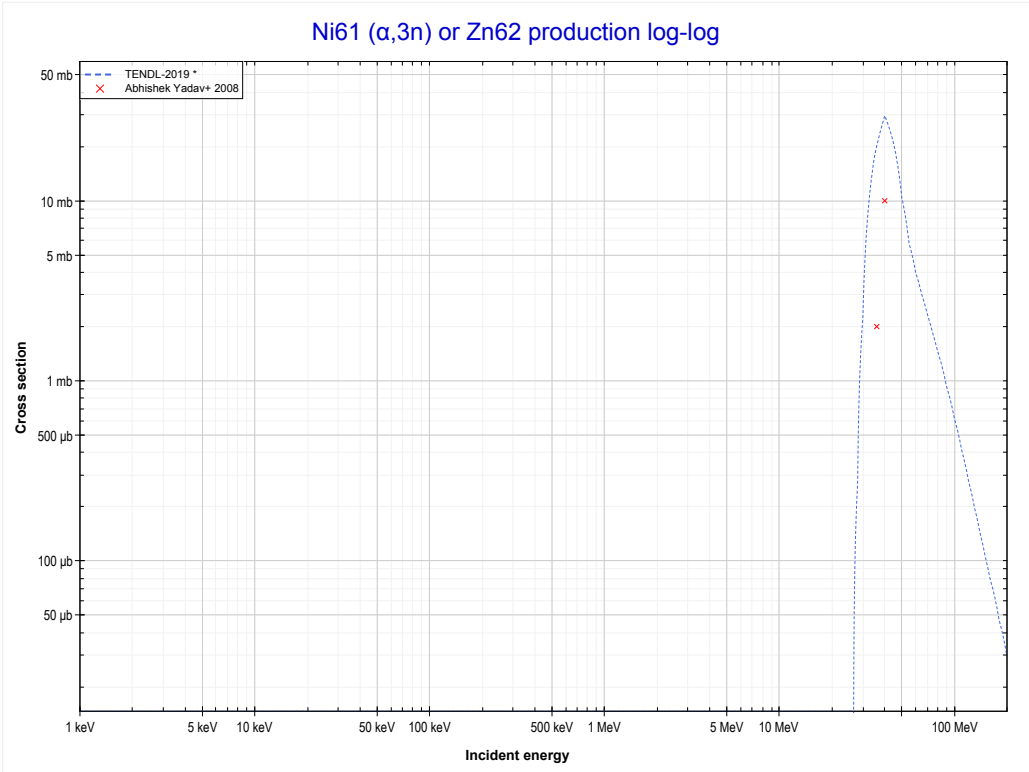
Reaction	Q-Value	Reaction	Q-Value
Ni60(α ,d+ α)Co58	-17761.62 keV	Ni60(α ,n+p+2d)Co58	-43832.72 keV
Ni60(α ,n+p+ α)Co58	-19986.19 keV	Ni60(α ,2n+2p+d)Co58	-46057.28 keV
Ni60(α ,t+He3)Co58	-32082.01 keV	Ni60(α ,3n+3p)Co58	-48281.85 keV
Ni60(α ,p+d+t)Co58	-37575.49 keV		
Ni60(α ,n+d+He3)Co58	-38339.24 keV		
Ni60(α ,n+2p+t)Co58	-39800.05 keV		
Ni60(α ,2n+p+He3)Co58	-40563.81 keV		
Ni60(α ,3d)Co58	-41608.15 keV		

<< 28-Ni-60	28-Ni-61	29-Cu-63 >>
<< 28-Ni-60 MT187 ($\alpha,n+d+^3\text{He}$)	MT16 ($\alpha,2n$) or MT5 (Zn63 production)	MT17 ($\alpha,3n$) >>



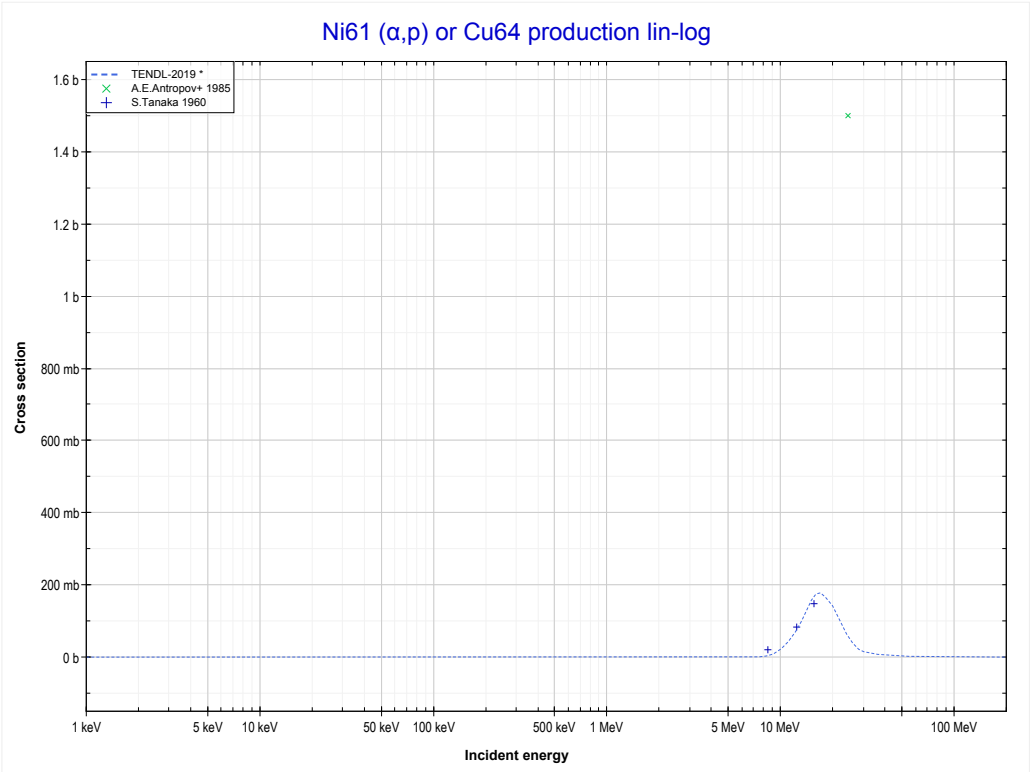
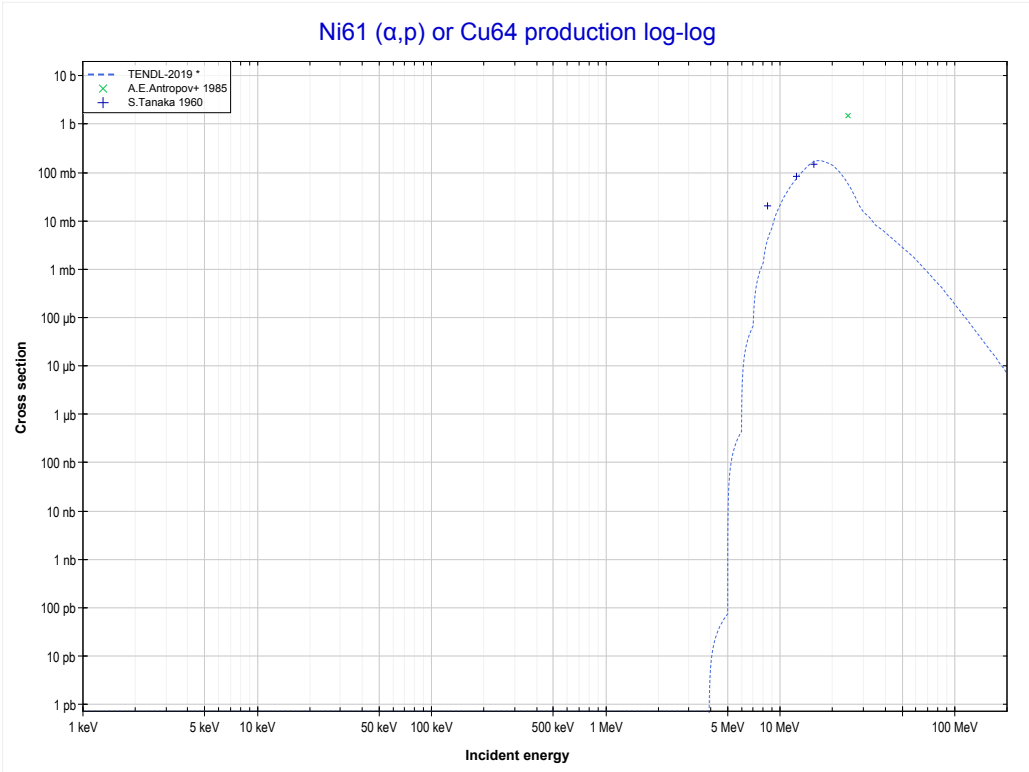
Reaction	Q-Value
Ni61($\alpha,2n$)Zn63	-15726.22 keV

<< 27-Co-59	28-Ni-61	28-Ni-62 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Zn62 production)	MT103 (α,p) >>



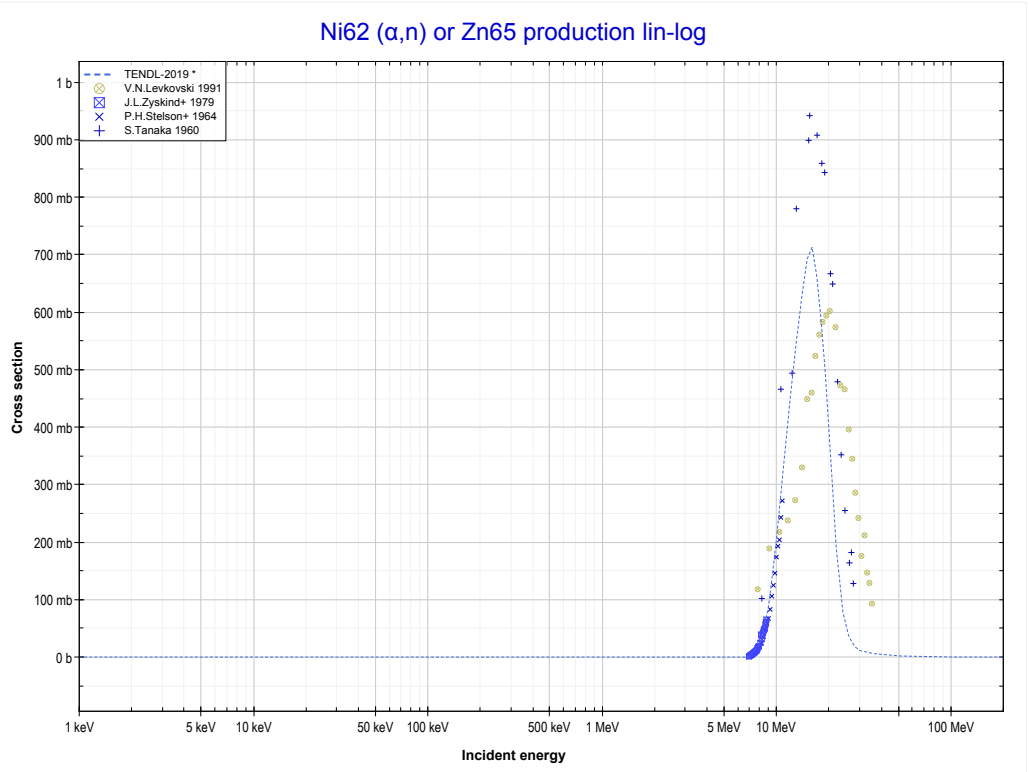
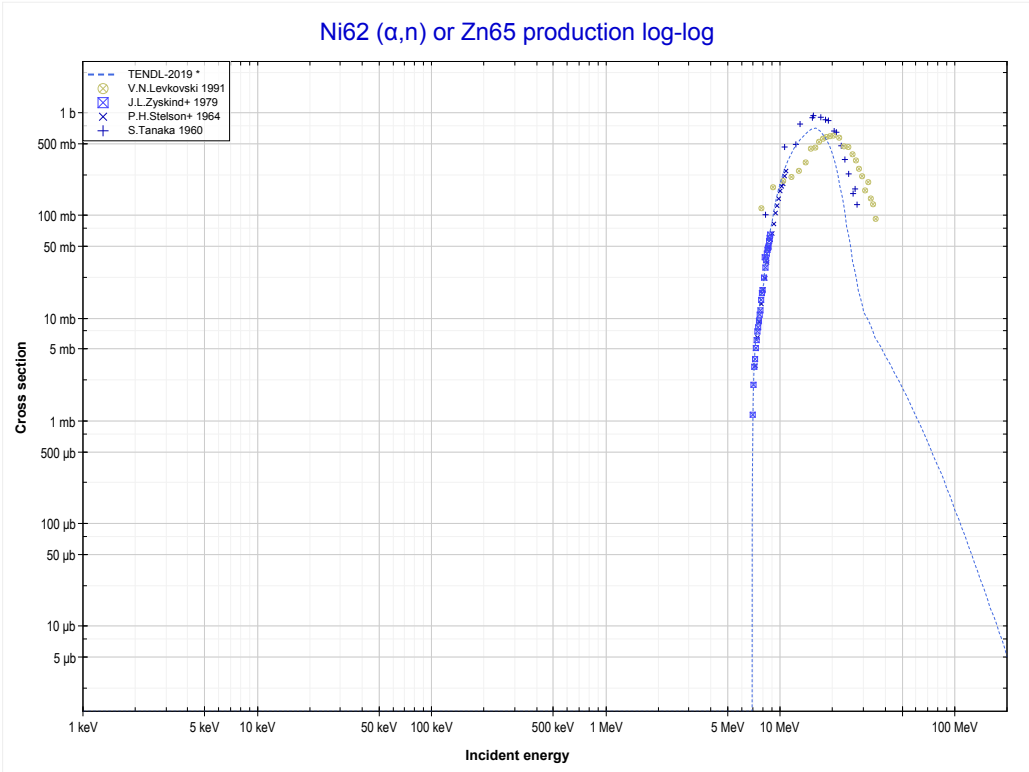
Reaction	Q-Value
Ni61(α,3n)Zn62	-24842.94 keV

<< 28-Ni-58	28-Ni-61	28-Ni-64 >>
<< MT17 (α,3n)	MT103 (α,p) or MT5 (Cu64 production)	28-Ni-62 MT4 (α,n) >>



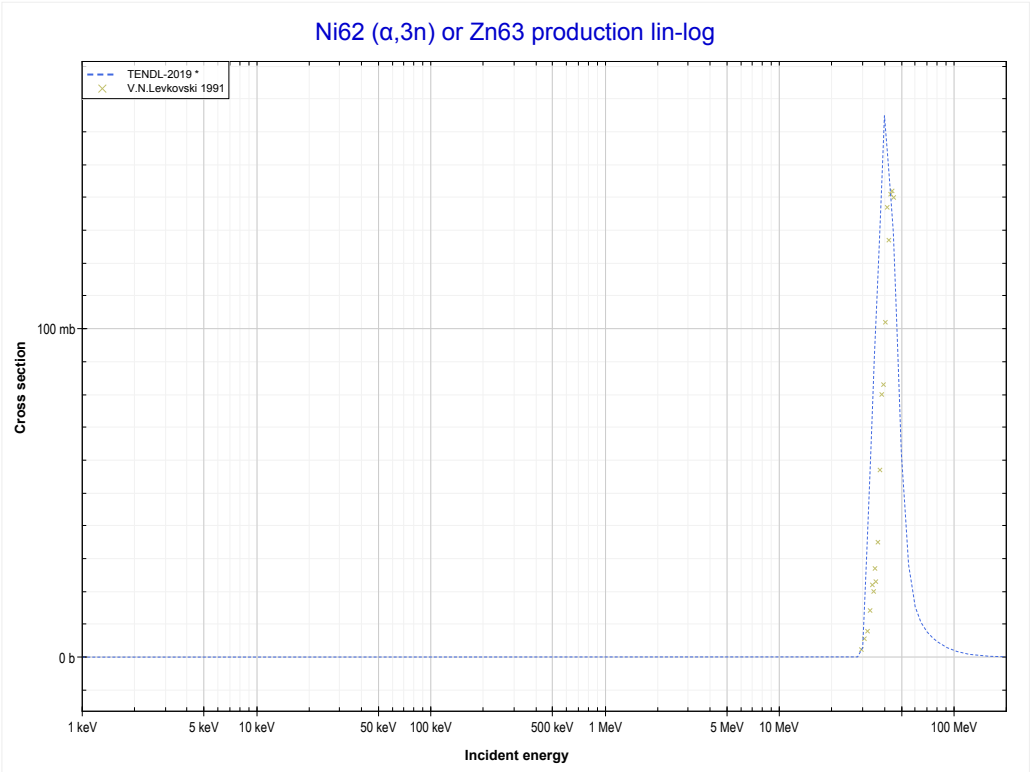
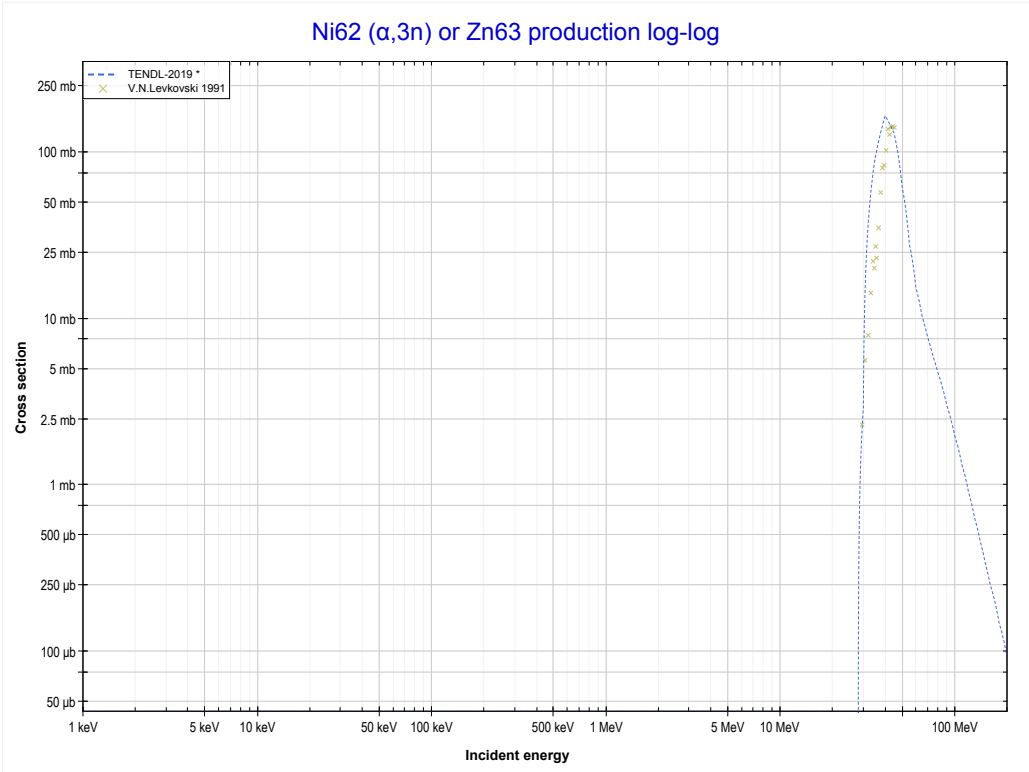
Reaction	Q-Value
Ni61(α,p)Cu64	-3661.45 keV

<< 28-Ni-60	28-Ni-62	28-Ni-64 >>
<< 28-Ni-61 MT103 (α,p)	MT4 (α,n) or MT5 (Zn65 production)	MT17 (α,3n) >>



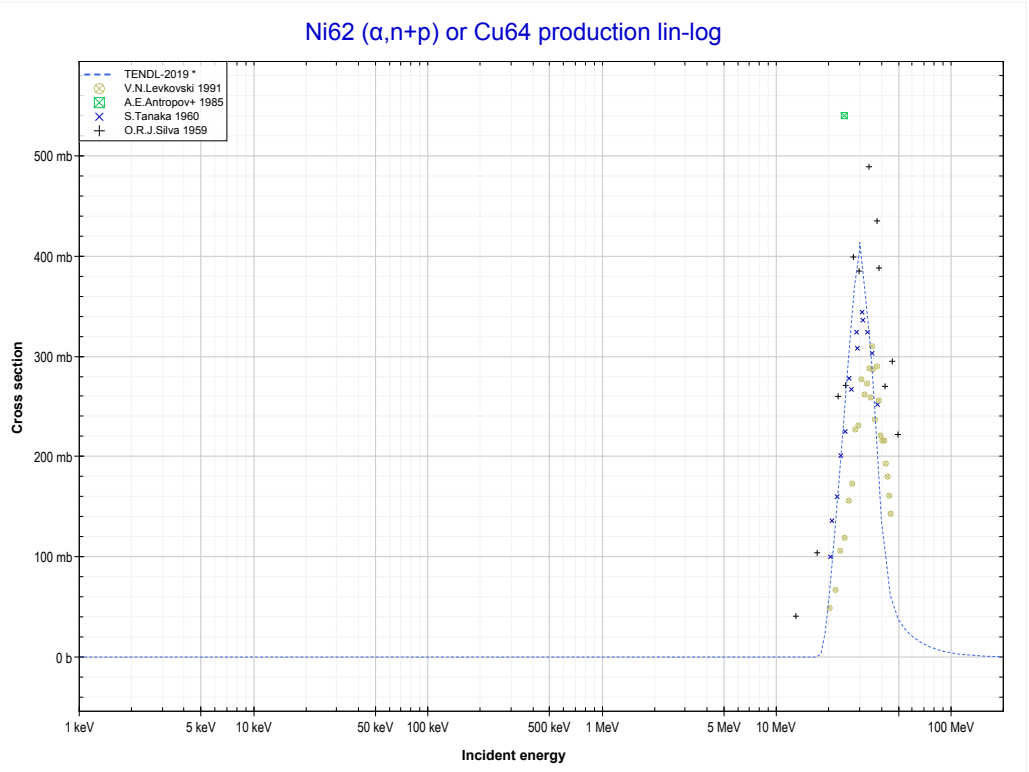
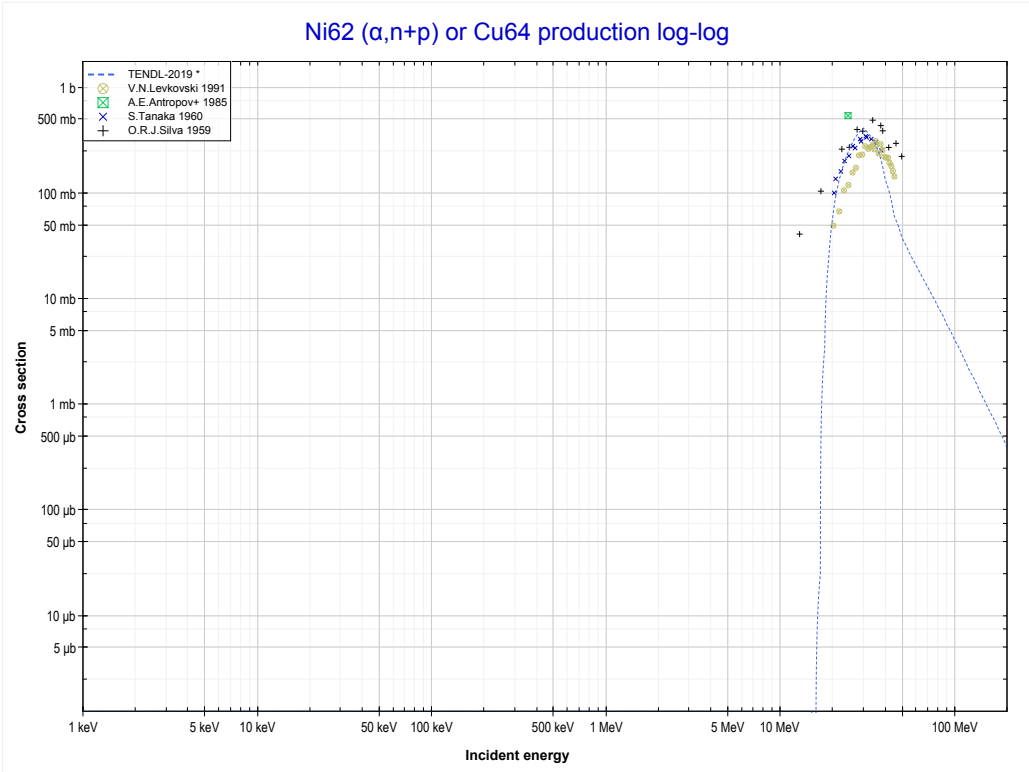
Reaction	Q-Value
Ni62(α,n)Zn65	-6480.70 keV

<< 28-Ni-61	28-Ni-62	28-Ni-64 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Zn63 production)	MT28 (α,n+p) >>



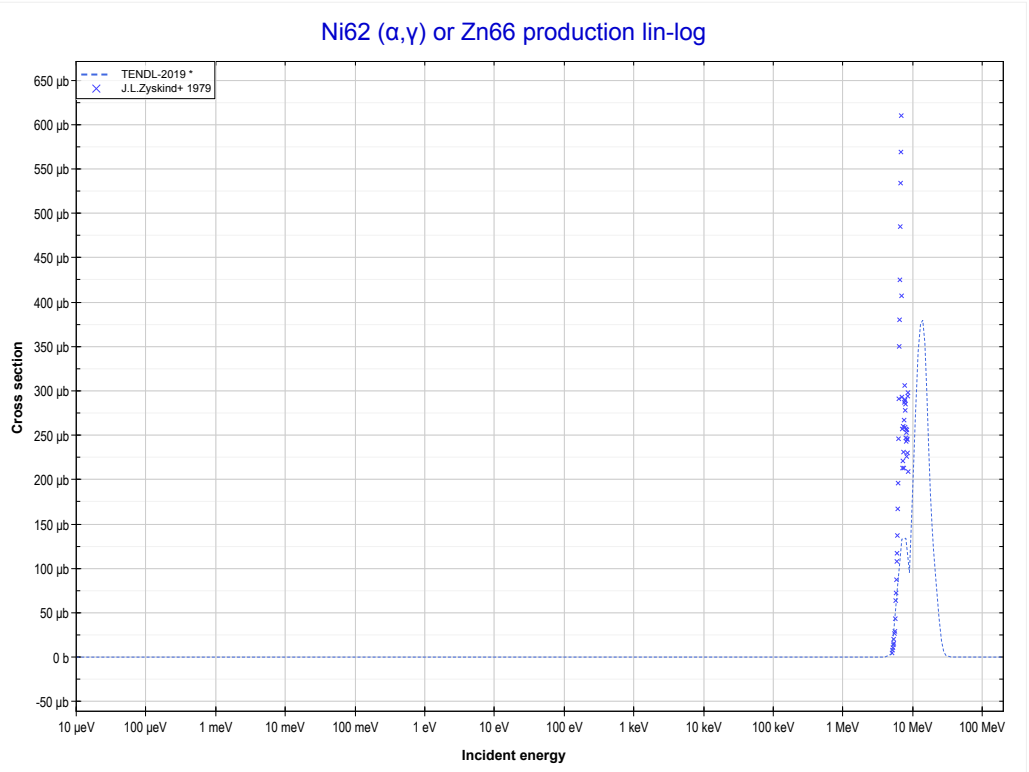
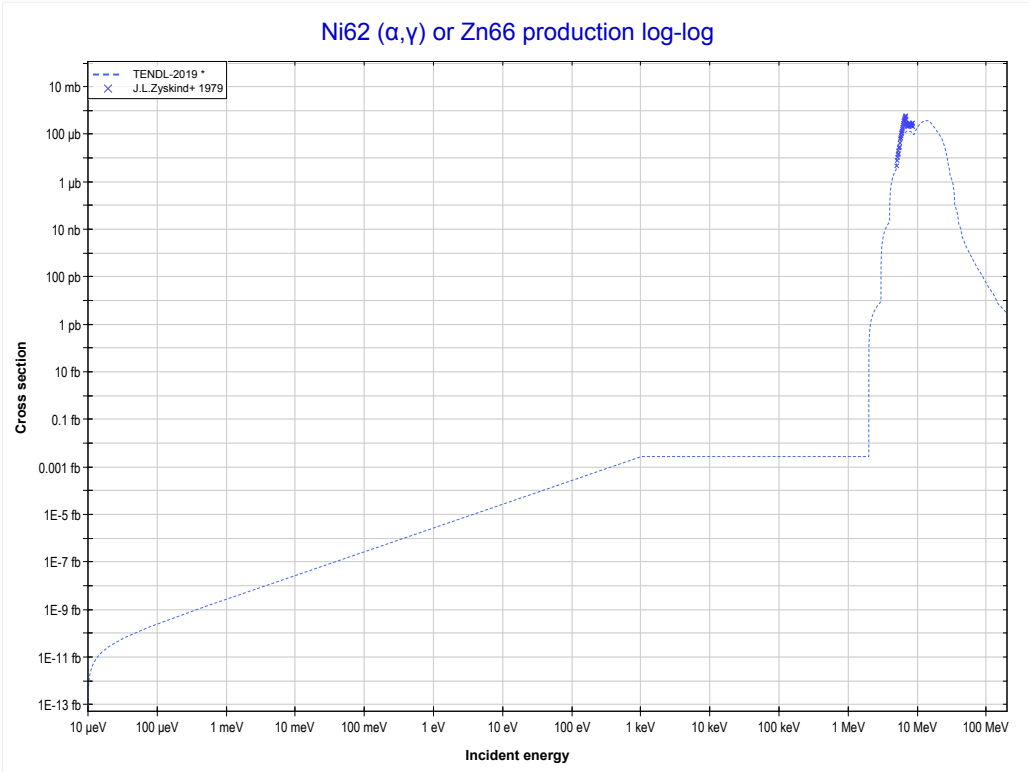
Reaction	Q-Value
Ni62(α,3n)Zn63	-26321.94 keV

<< 28-Ni-60	28-Ni-62	29-Cu-63 >>
<< MT17 (α,3n)	MT28 (α,n+p) or MT5 (Cu64 production)	MT102 (α,γ) >>



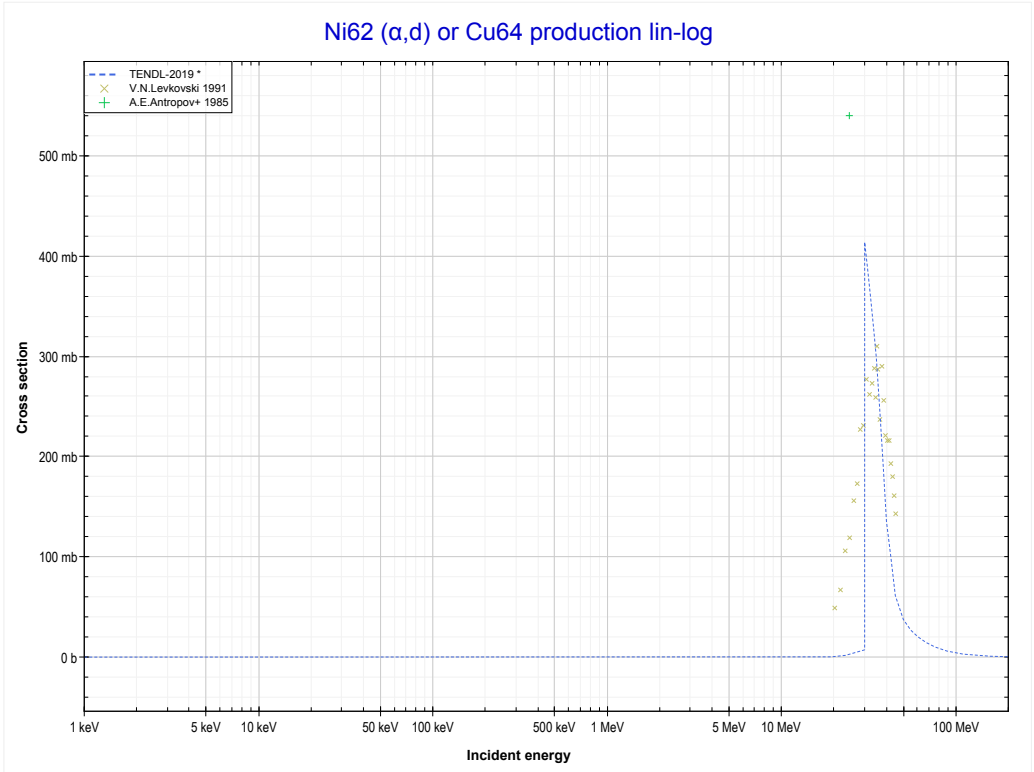
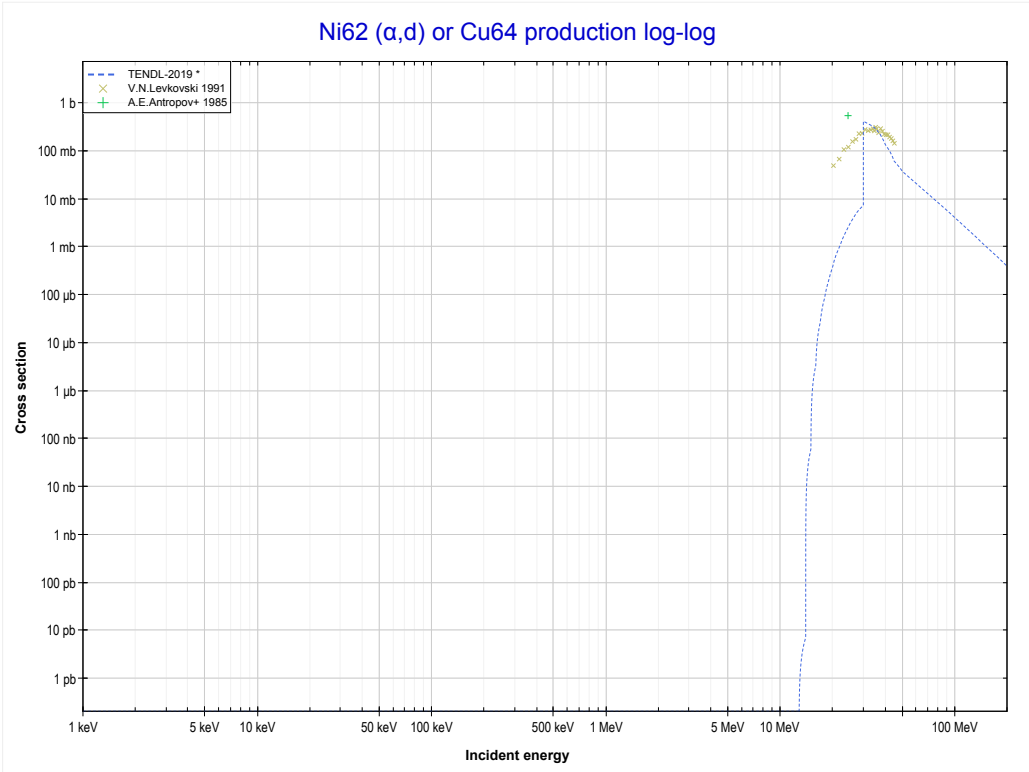
Reaction	Q-Value
Ni62(α,d)Cu64	-12032.61 keV
Ni62(α,n+p)Cu64	-14257.17 keV

<< 28-Ni-58	28-Ni-62	28-Ni-64 >>
<< MT28 (α,n+p)	MT102 (α,γ) or MT5 (Zn66 production)	MT104 (α,d) >>



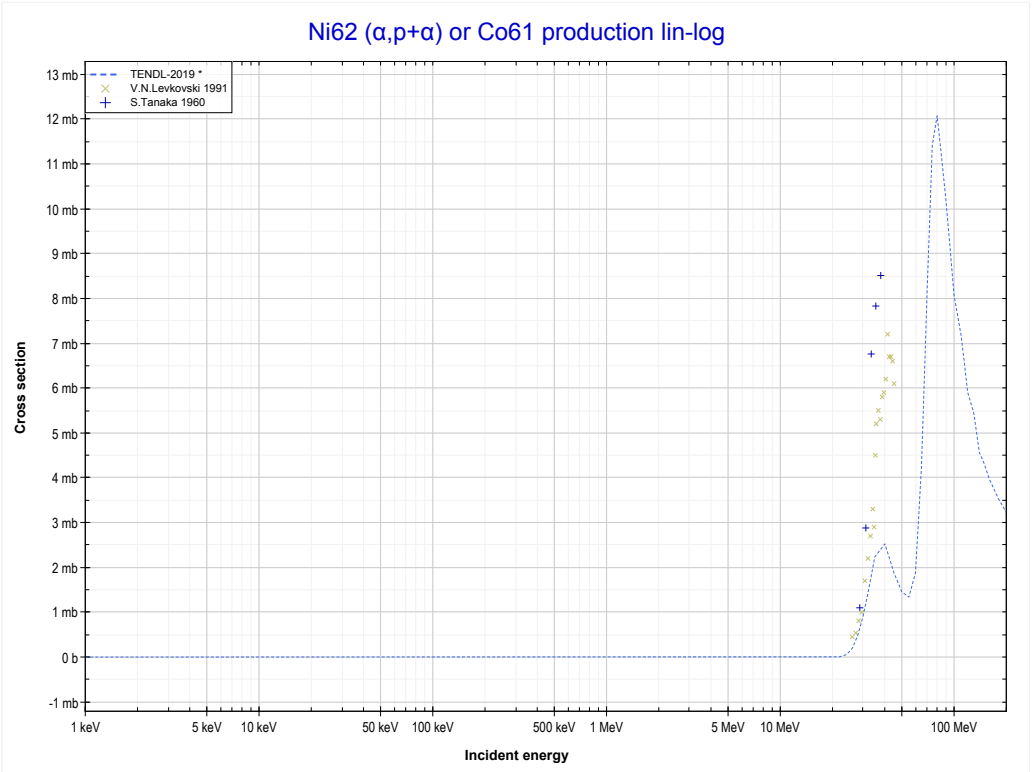
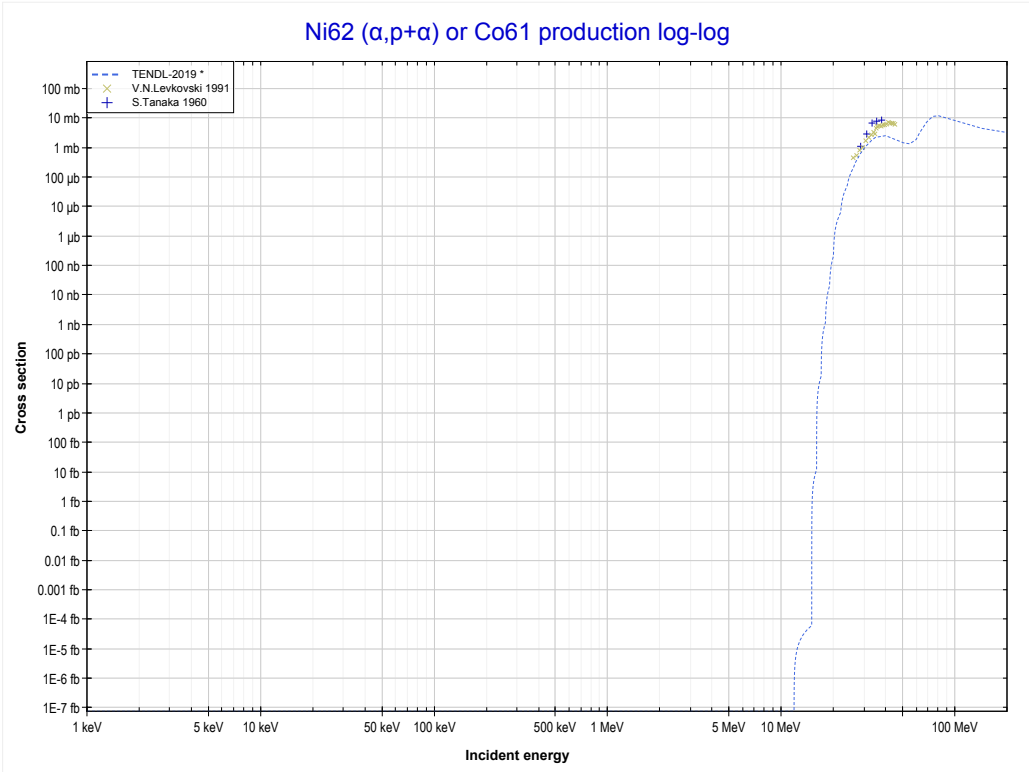
Reaction	Q-Value
Ni62(α,γ)Zn66	4577.82 keV

<< 28-Ni-58	28-Ni-62	29-Cu-63 >>
<< MT102 (α,γ)	MT104 (α,d) or MT5 (Cu64 production)	MT112 ($\alpha,p+\alpha$) >>



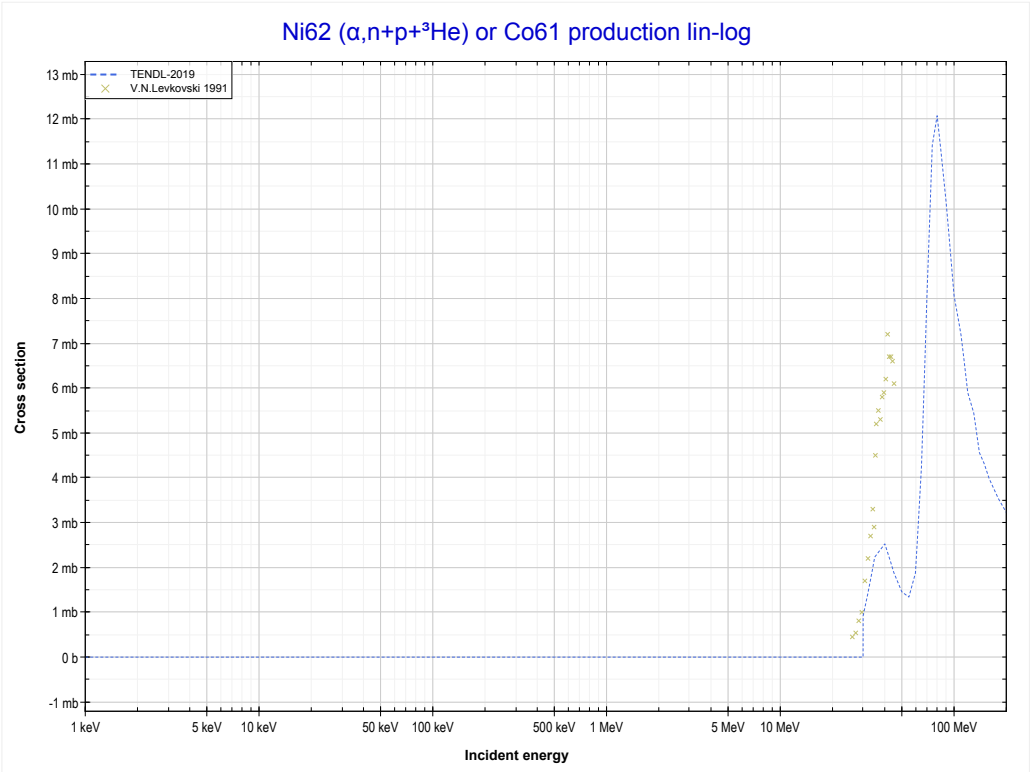
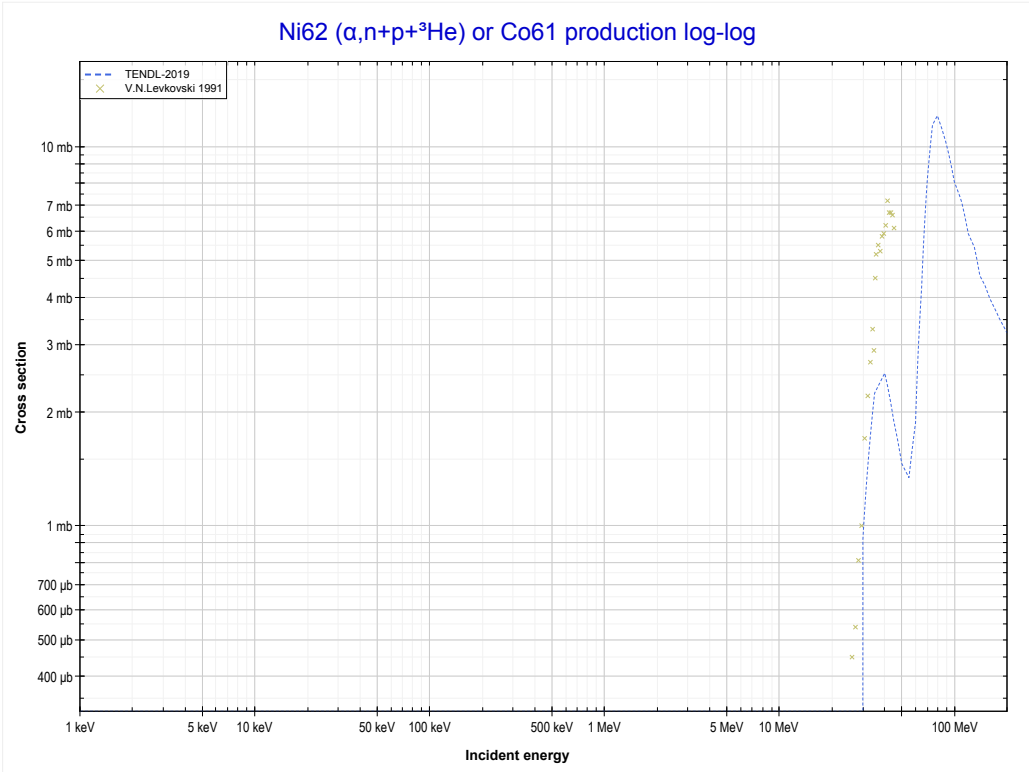
Reaction	Q-Value
Ni62(α,d)Cu64	-12032.61 keV
Ni62($\alpha,n+p$)Cu64	-14257.17 keV

<< 28-Ni-58	28-Ni-62	30-Zn-68 >>
<< MT104 (α,d)	MT112 (α,p+α) or MT5 (Co61 production)	MT186 (α,n+p+ ³ He) >>



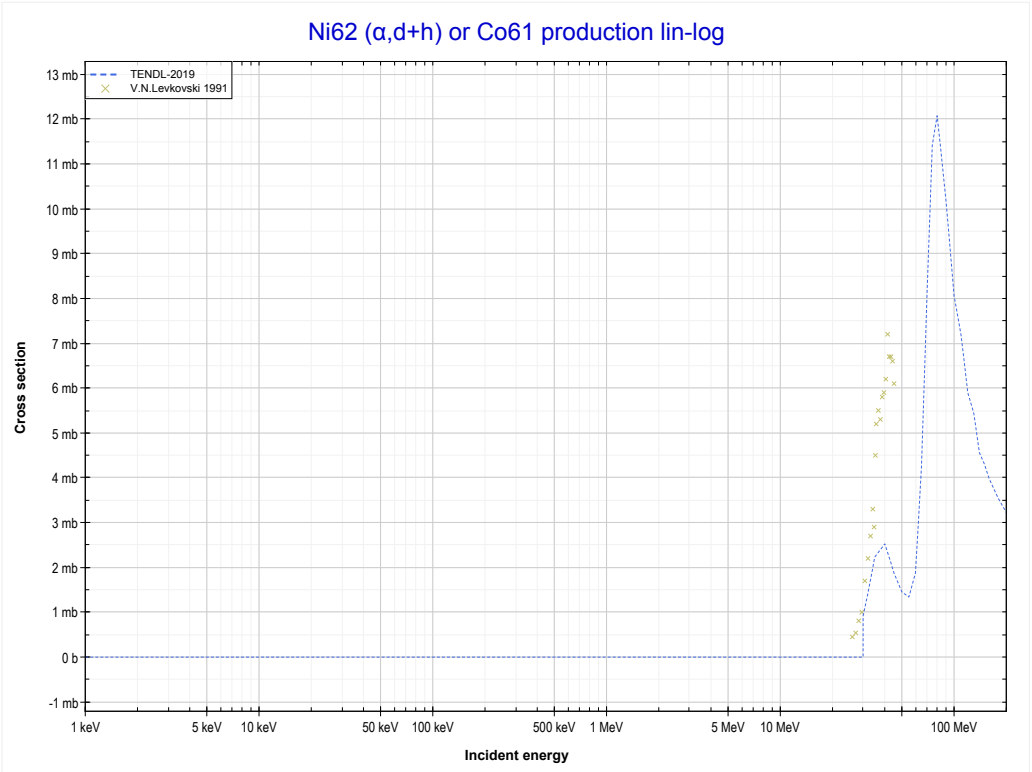
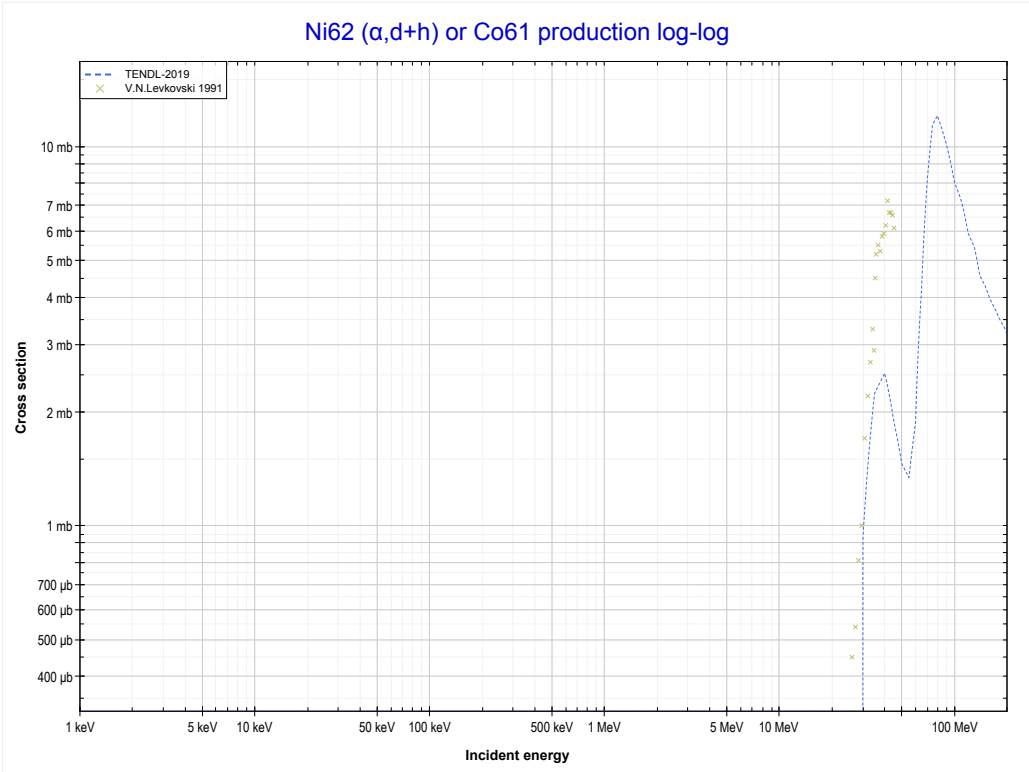
Reaction	Q-Value
Ni62(α,p+α)Co61	-11137.17 keV
Ni62(α,d+He3)Co61	-29490.22 keV
Ni62(α,2p+t)Co61	-30951.04 keV
Ni62(α,n+p+He3)Co61	-31714.79 keV
Ni62(α,p+2d)Co61	-34983.70 keV
Ni62(α,n+2p+d)Co61	-37208.26 keV
Ni62(α,2n+3p)Co61	-39432.83 keV

<< 28-Ni-58	28-Ni-62	30-Zn-68 >>
<< MT112 (α ,p+ α)	MT186 (α ,n+p+ ^3He) or MT5 (Co61 production)	MT192 (α ,d+ ^3He) >>



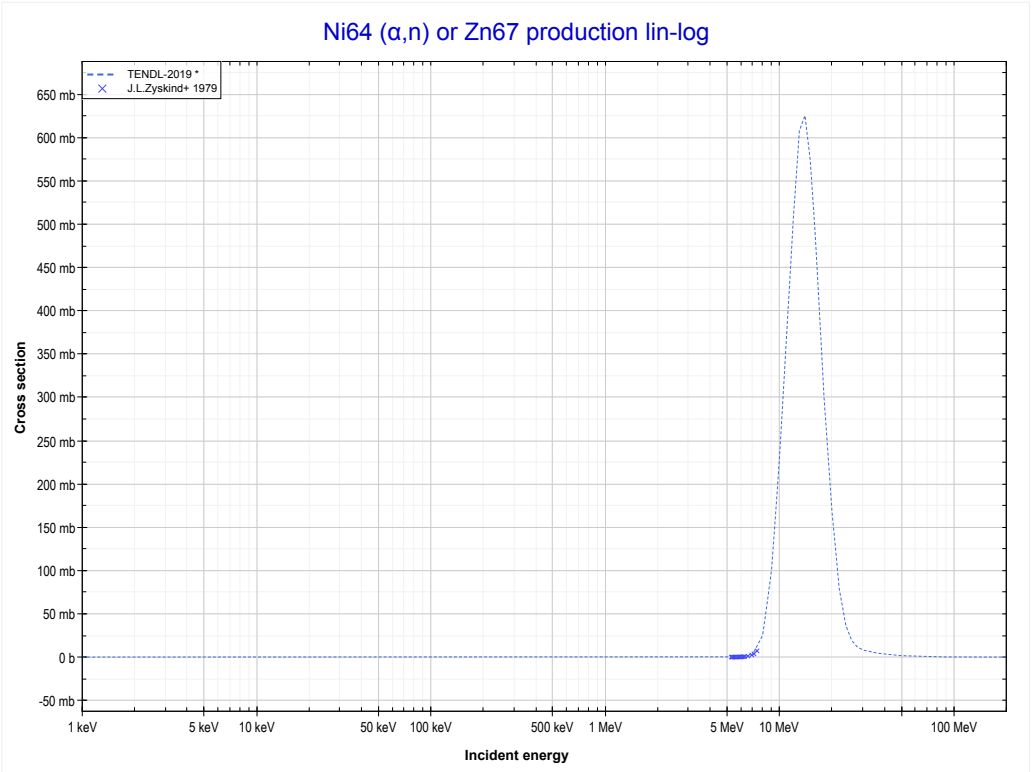
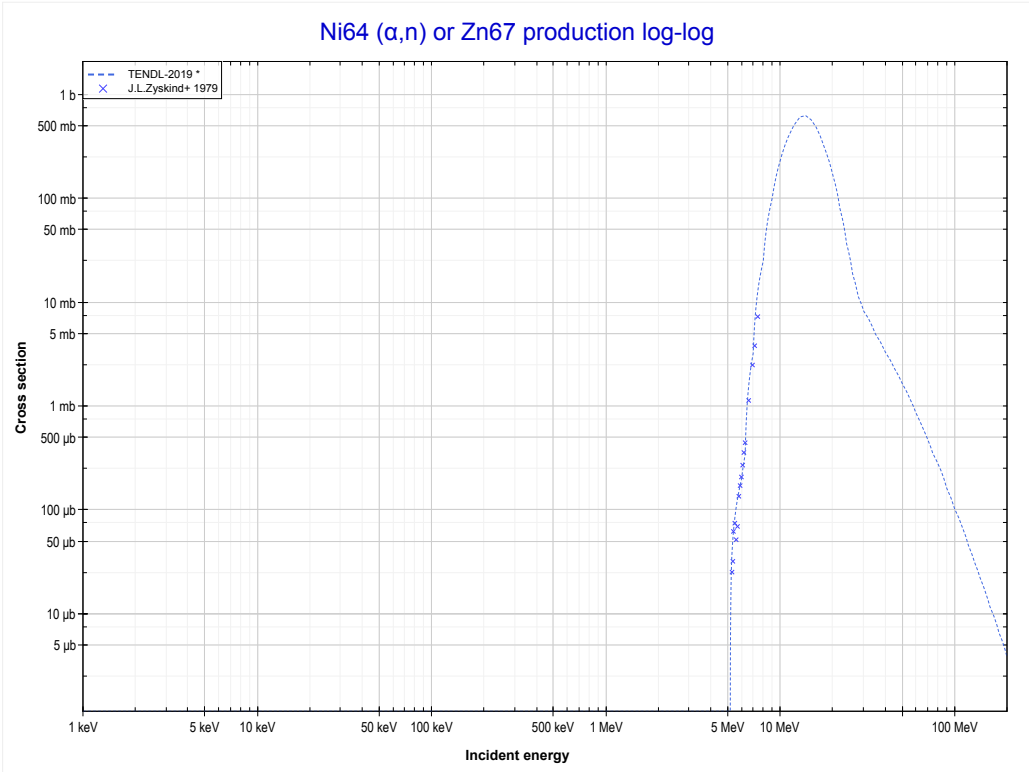
Reaction	Q-Value
Ni62(α ,p+ α)Co61	-11137.17 keV
Ni62(α ,d+He3)Co61	-29490.22 keV
Ni62(α ,2p+t)Co61	-30951.04 keV
Ni62(α ,n+p+He3)Co61	-31714.79 keV
Ni62(α ,p+2d)Co61	-34983.70 keV
Ni62(α ,n+2p+d)Co61	-37208.26 keV
Ni62(α ,2n+3p)Co61	-39432.83 keV

<< 28-Ni-58	28-Ni-62	30-Zn-68 >>
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT192 ($\alpha,d+^3\text{He}$) or MT5 (Co61 production)	28-Ni-64 MT4 (α,n) >>



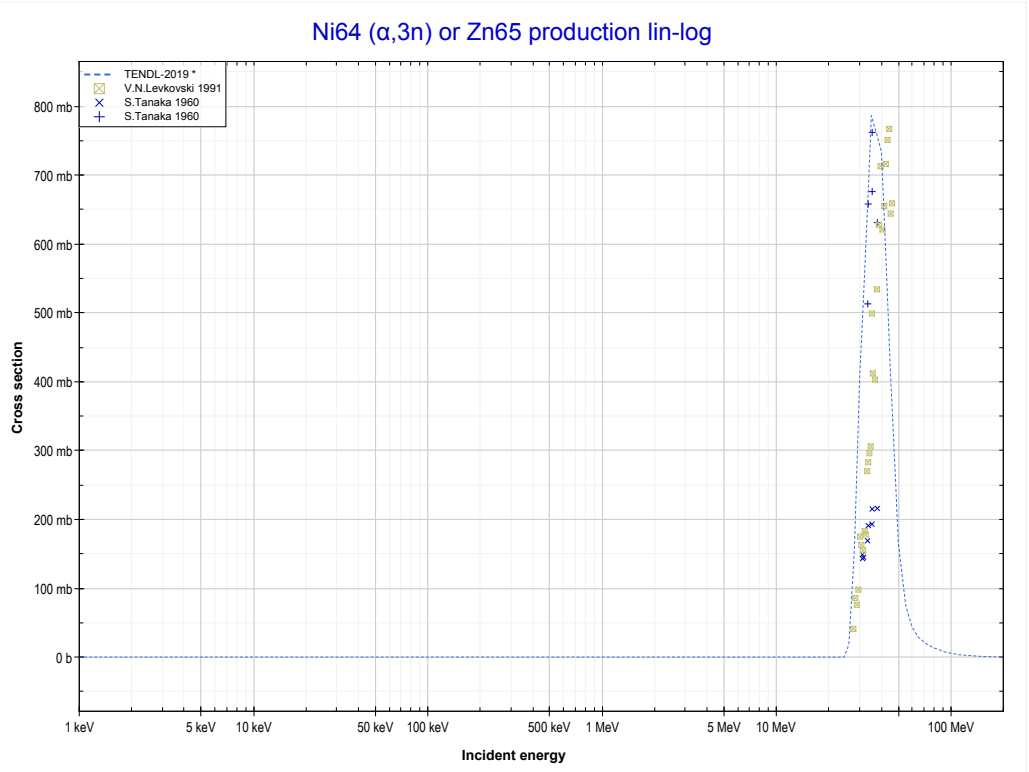
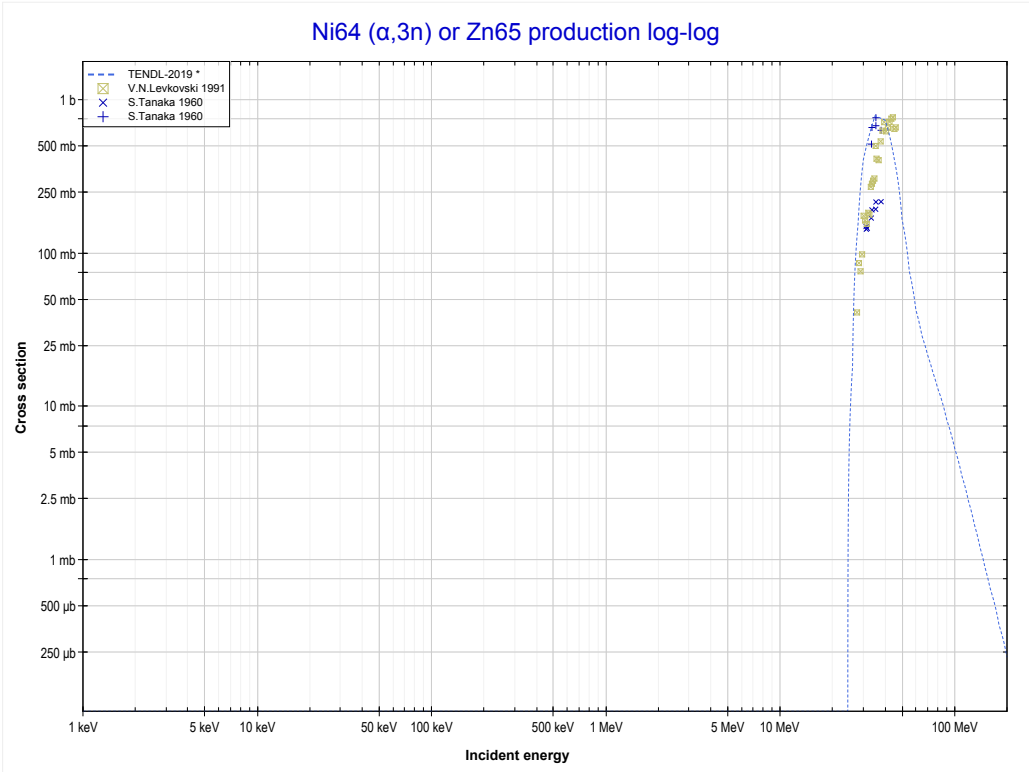
Reaction	Q-Value
Ni62($\alpha,p+\alpha$)Co61	-11137.17 keV
Ni62($\alpha,d+^3\text{He}$)Co61	-29490.22 keV
Ni62($\alpha,2p+t$)Co61	-30951.04 keV
Ni62($\alpha,n+p+^3\text{He}$)Co61	-31714.79 keV
Ni62($\alpha,p+2d$)Co61	-34983.70 keV
Ni62($\alpha,n+2p+d$)Co61	-37208.26 keV
Ni62($\alpha,2n+3p$)Co61	-39432.83 keV

<< 28-Ni-62	28-Ni-64	29-Cu-63 >>
<< 28-Ni-62 MT192 (α ,d+ ^{3} He)	MT4 (α ,n) or MT5 (Zn67 production)	MT17 (α ,3n) >>



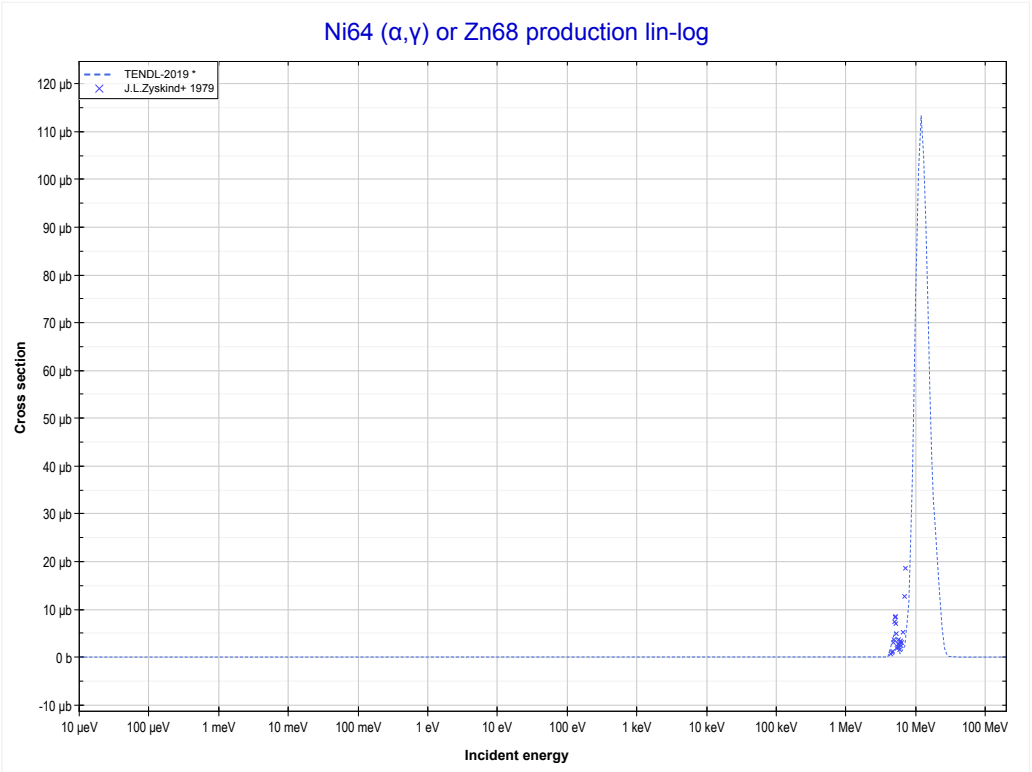
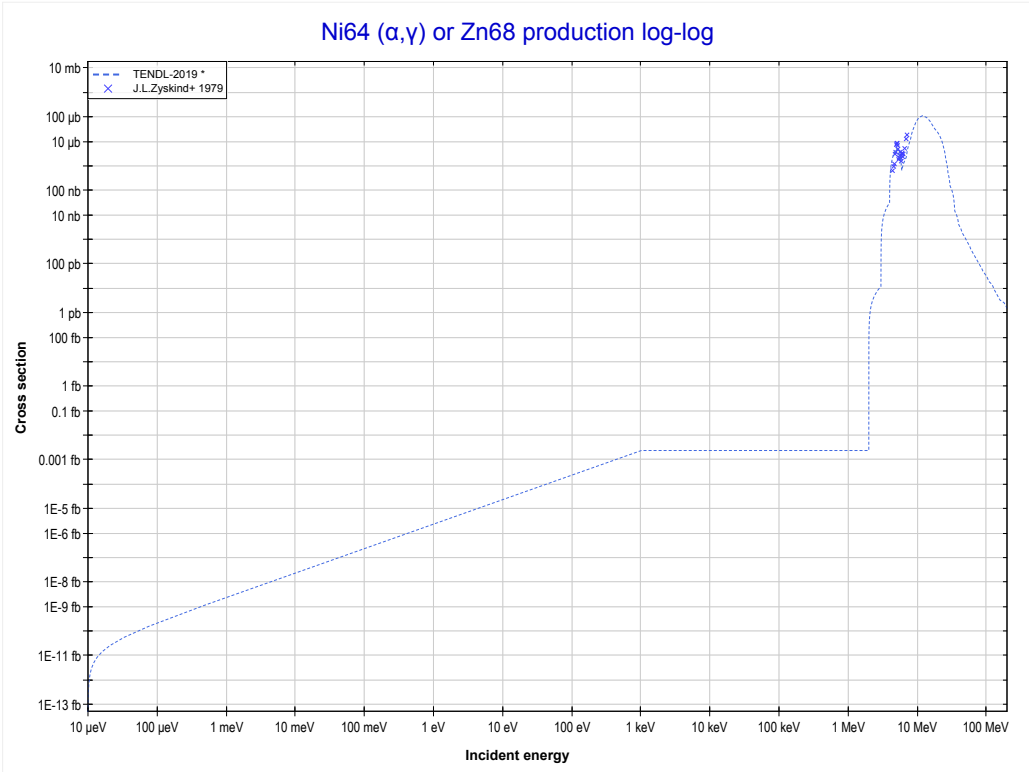
Reaction	Q-Value
Ni64(α ,n)Zn67	-4865.00 keV

<< 28-Ni-62	28-Ni-64	29-Cu-65 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Zn65 production)	MT102 (α,γ) >>



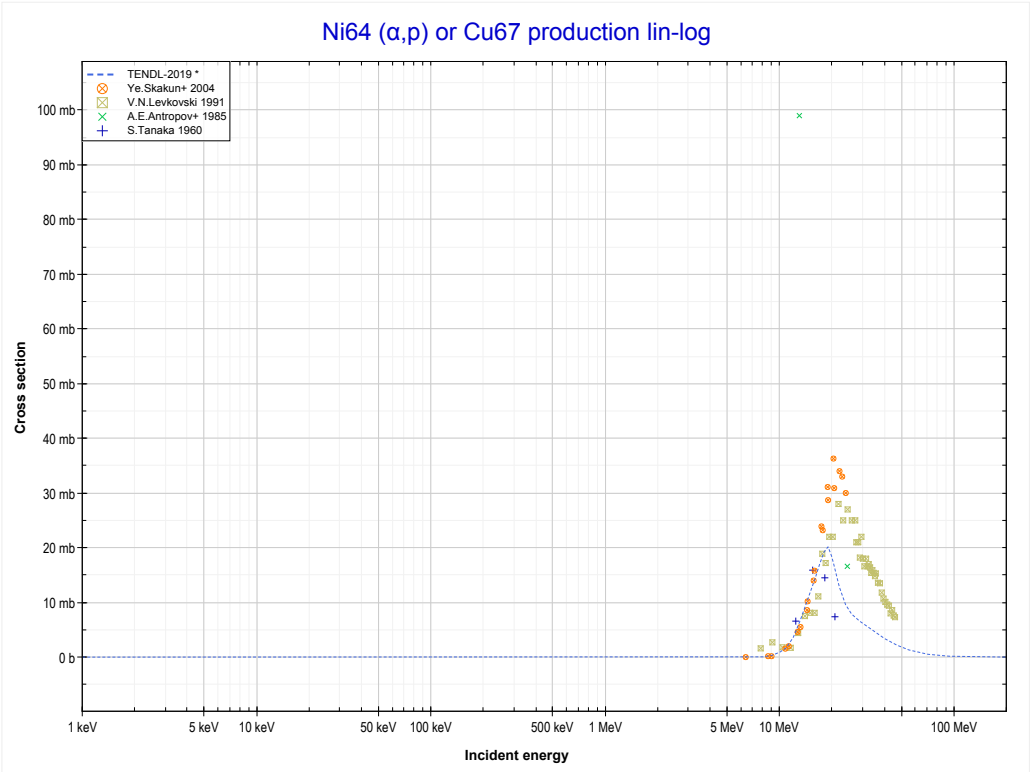
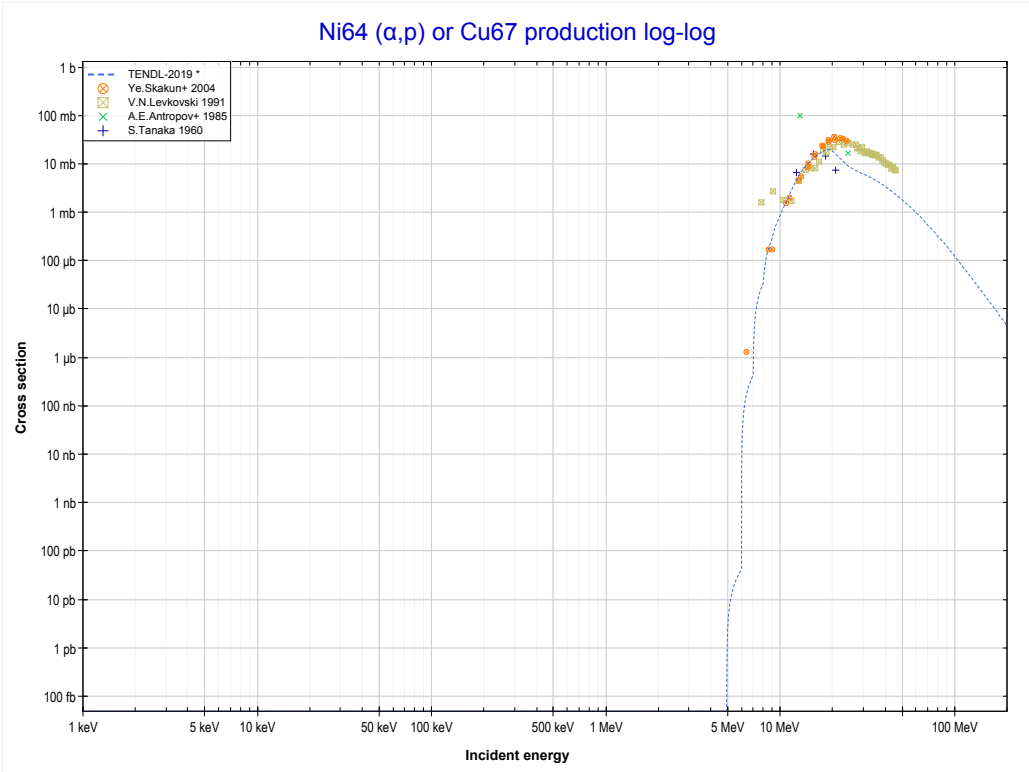
Reaction	Q-Value
Ni64(α,3n)Zn65	-22975.94 keV

<< 28-Ni-62	28-Ni-64	29-Cu-63 >>
<< MT17 (α,3n)	MT102 (α,γ) or MT5 (Zn68 production)	MT103 (α,p) >>



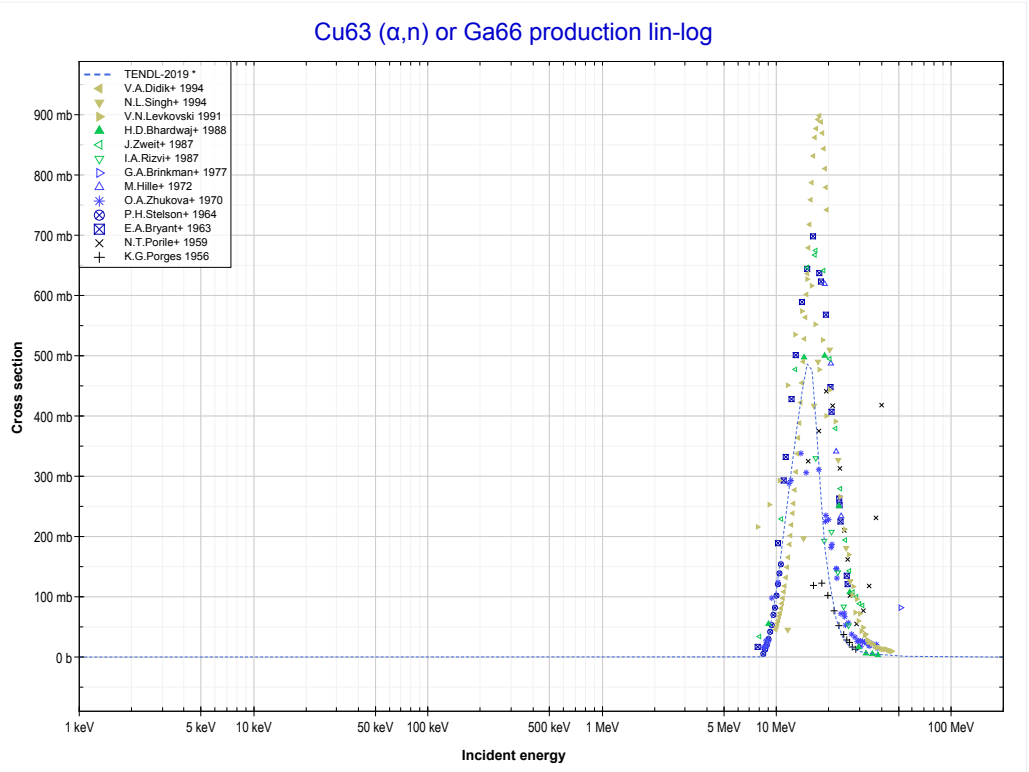
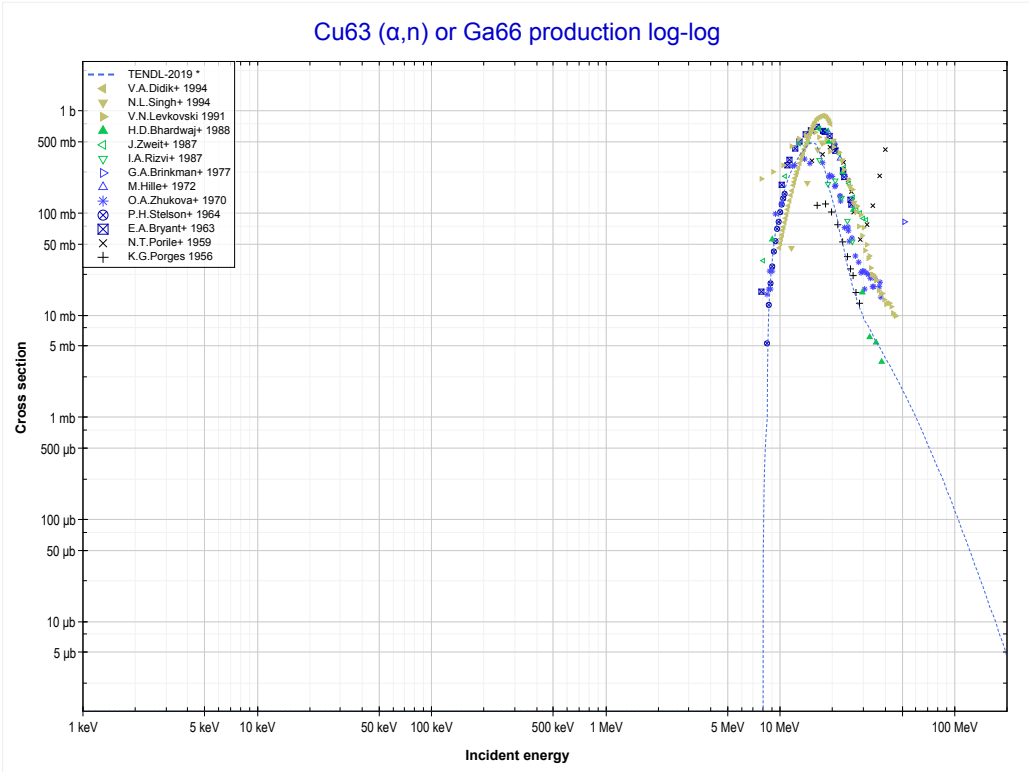
Reaction	Q-Value
Ni64(α,γ)Zn68	5333.12 keV

<< 28-Ni-61	28-Ni-64	30-Zn-64 >>
<< MT102 (α,γ)	MT103 (α,p) or MT5 (Cu67 production)	29-Cu-63 MT4 (α,n) >>



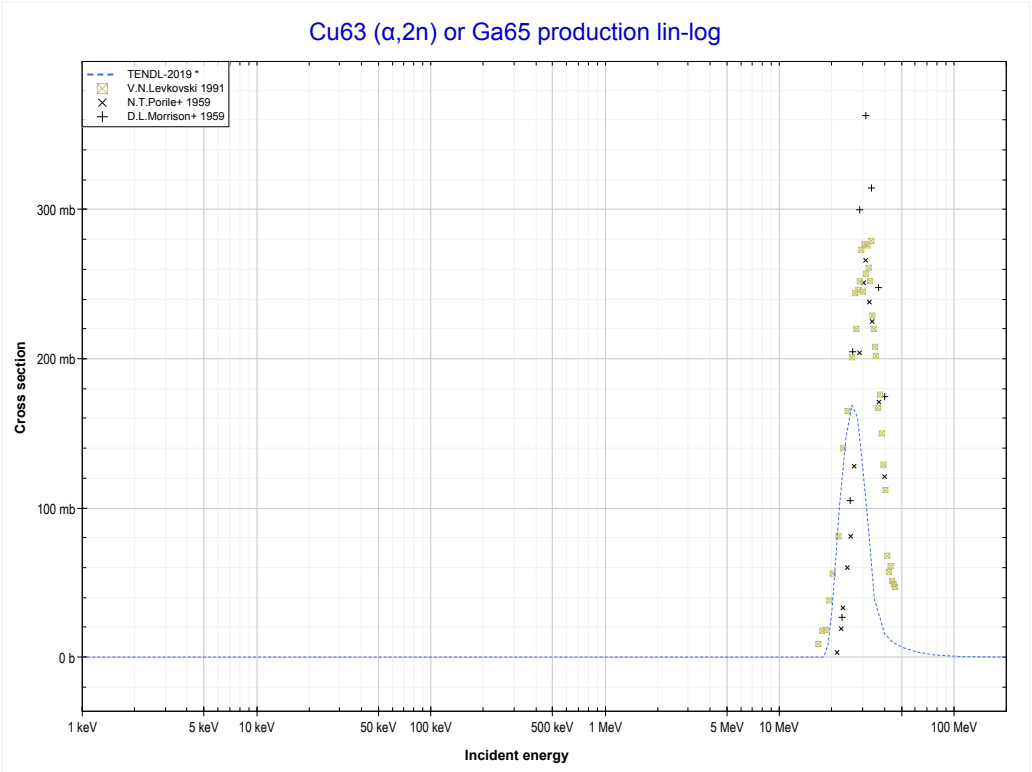
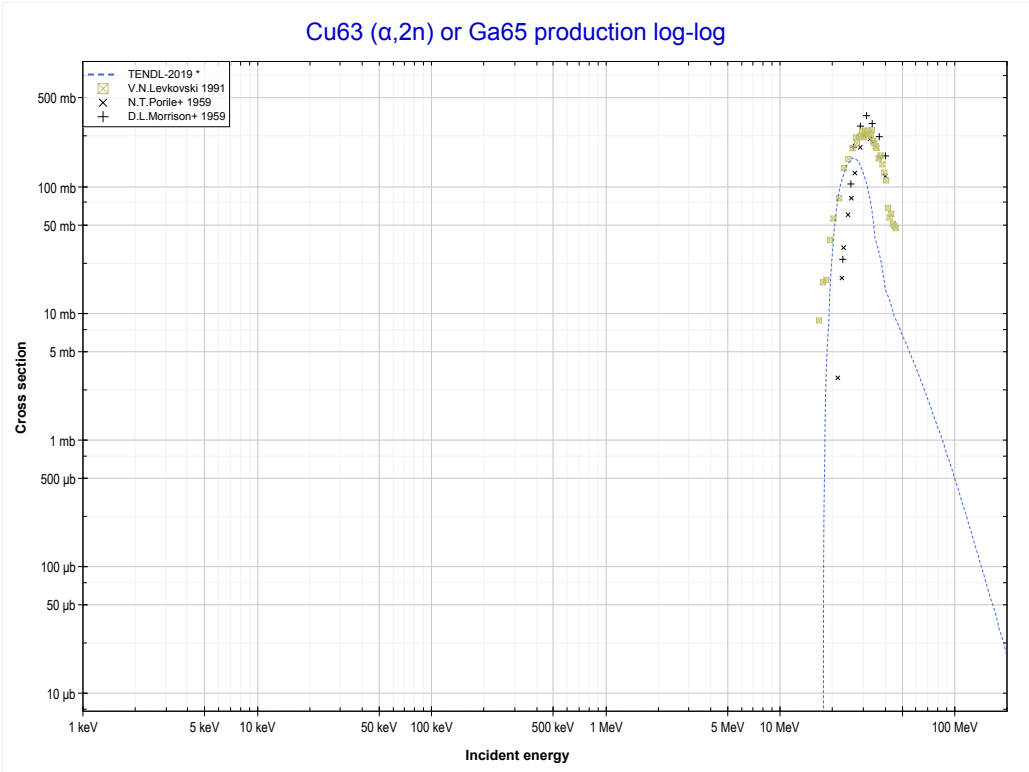
Reaction	Q-Value
Ni64(α,p)Cu67	-4643.45 keV

<< 28-Ni-64	29-Cu-63	29-Cu-65 >>
<< 28-Ni-64 MT103 (α,p)	MT4 (α,n) or MT5 (Ga66 production)	MT16 (α,2n) >>



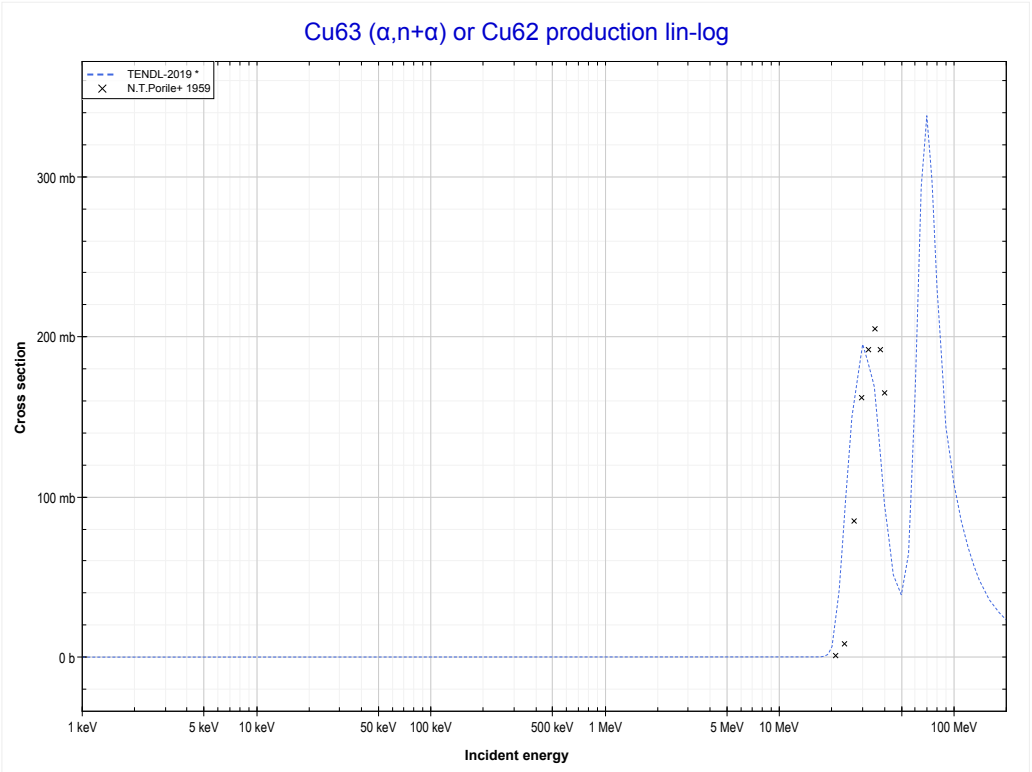
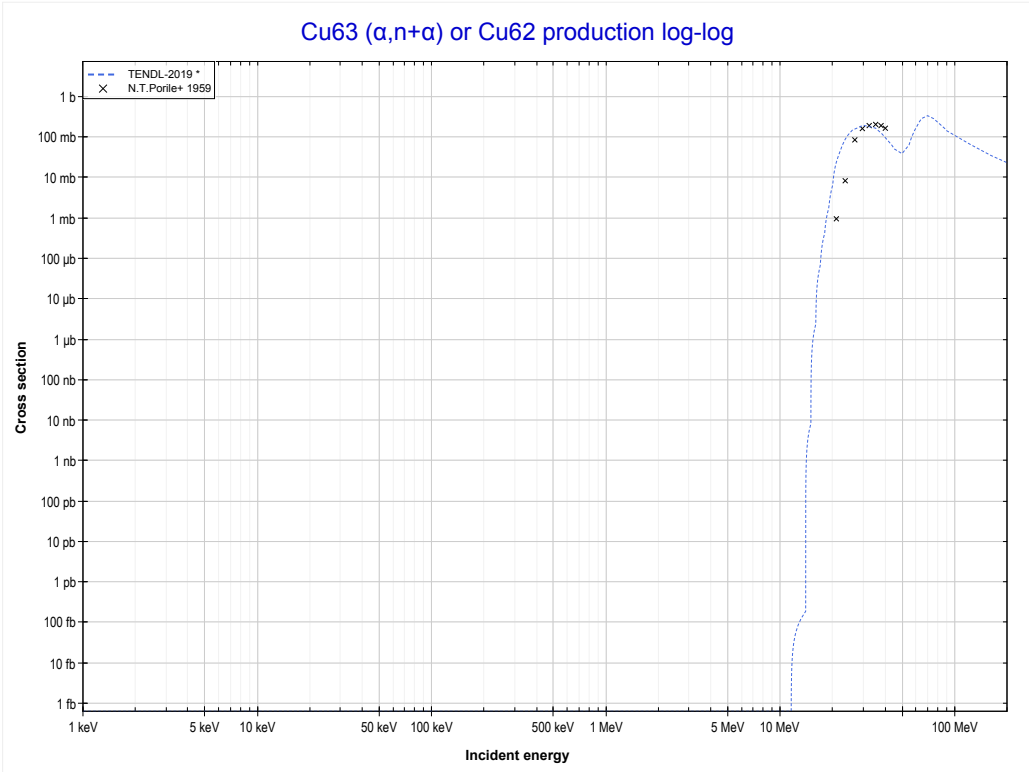
Reaction	Q-Value
Cu63(α,n)Ga66	-7502.50 keV

<< 28-Ni-61	29-Cu-63	29-Cu-65 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Ga65 production)	MT22 (α,n+α) >>



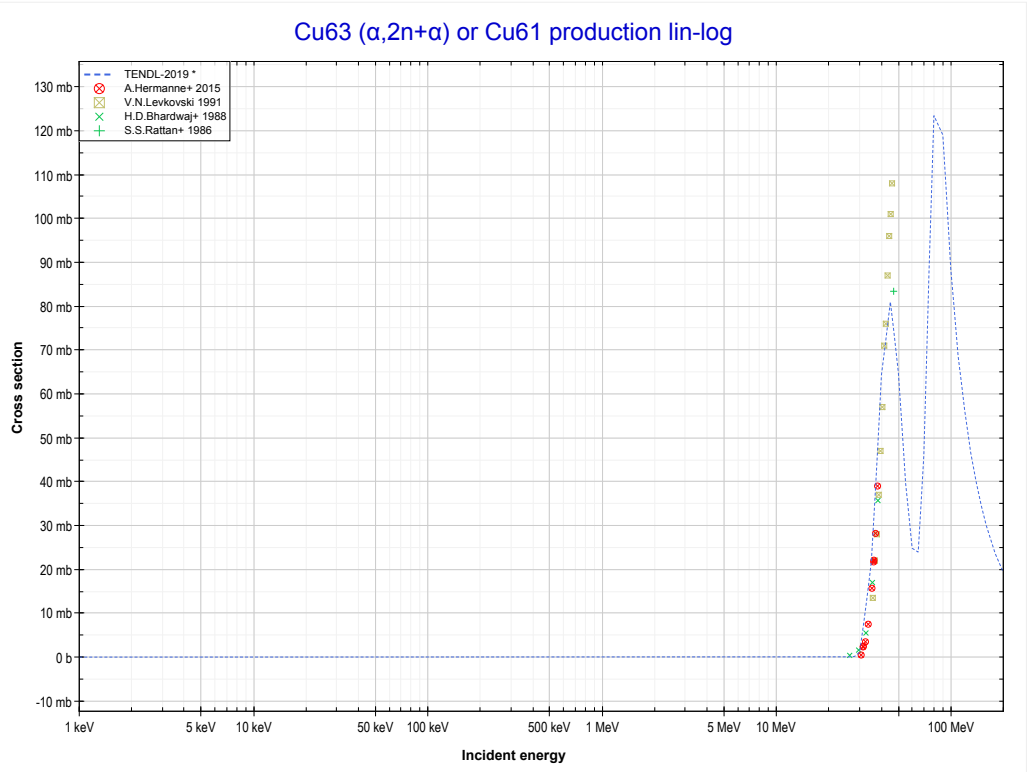
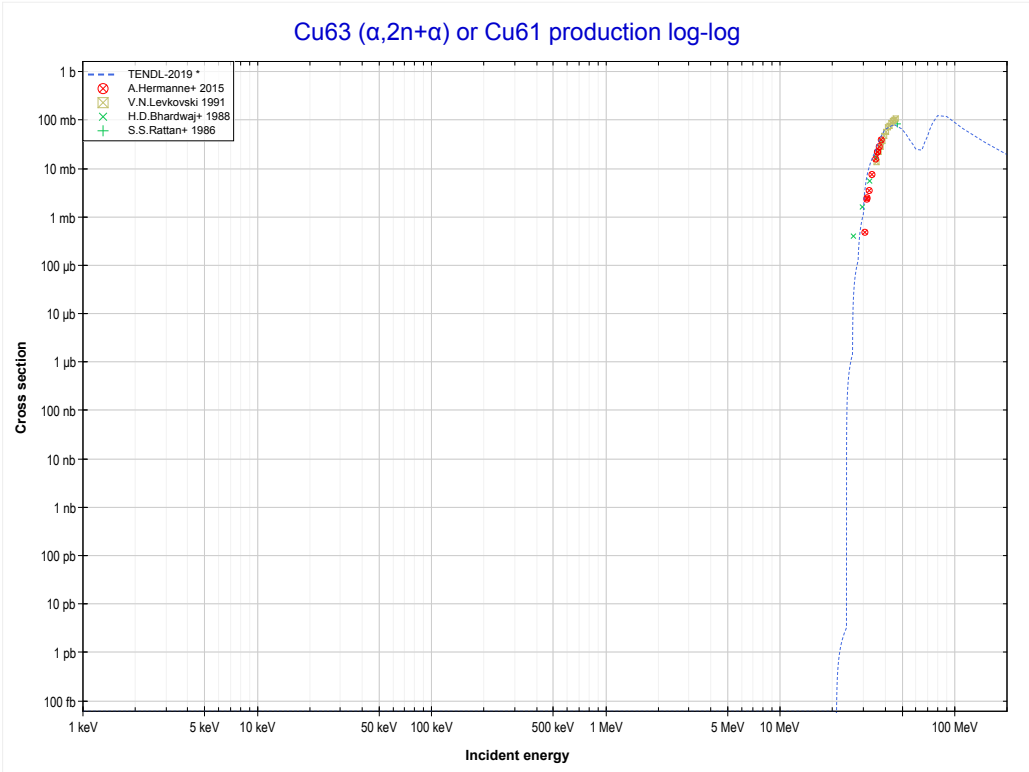
Reaction	Q-Value
Cu63(α,2n)Ga65	-16640.02 keV

<< 28-Ni-58	29-Cu-63	29-Cu-65 >>
<< MT16 ($\alpha,2n$)	MT22 ($\alpha,n+\alpha$) or MT5 (Cu62 production)	MT24 ($\alpha,2n+\alpha$) >>



Reaction	Q-Value
Cu63($\alpha,n+\alpha$)Cu62	-10863.72 keV
Cu63($\alpha,d+t$)Cu62	-28453.02 keV
Cu63($\alpha,n+p+t$)Cu62	-30677.58 keV
Cu63($\alpha,2n+He3$)Cu62	-31441.34 keV
Cu63($\alpha,n+2d$)Cu62	-34710.24 keV
Cu63($\alpha,2n+p+d$)Cu62	-36934.81 keV
Cu63($\alpha,3n+2p$)Cu62	-39159.38 keV

<< 28-Ni-58	29-Cu-63	30-Zn-64 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Cu61 production)	MT28 ($\alpha,n+p$) >>



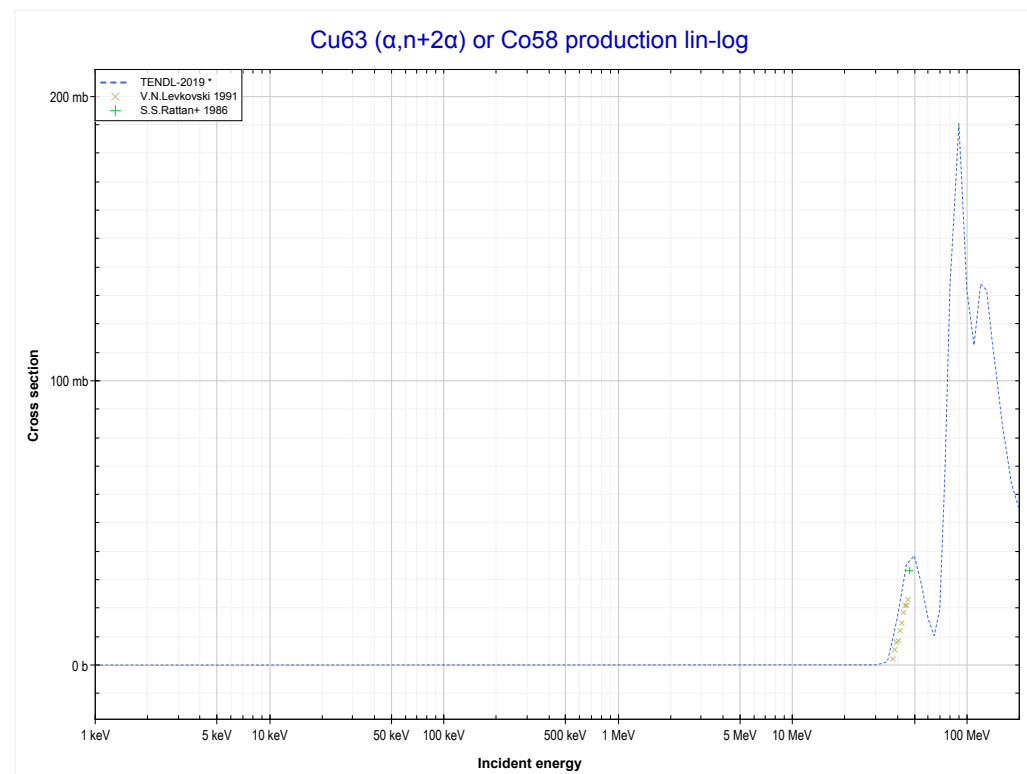
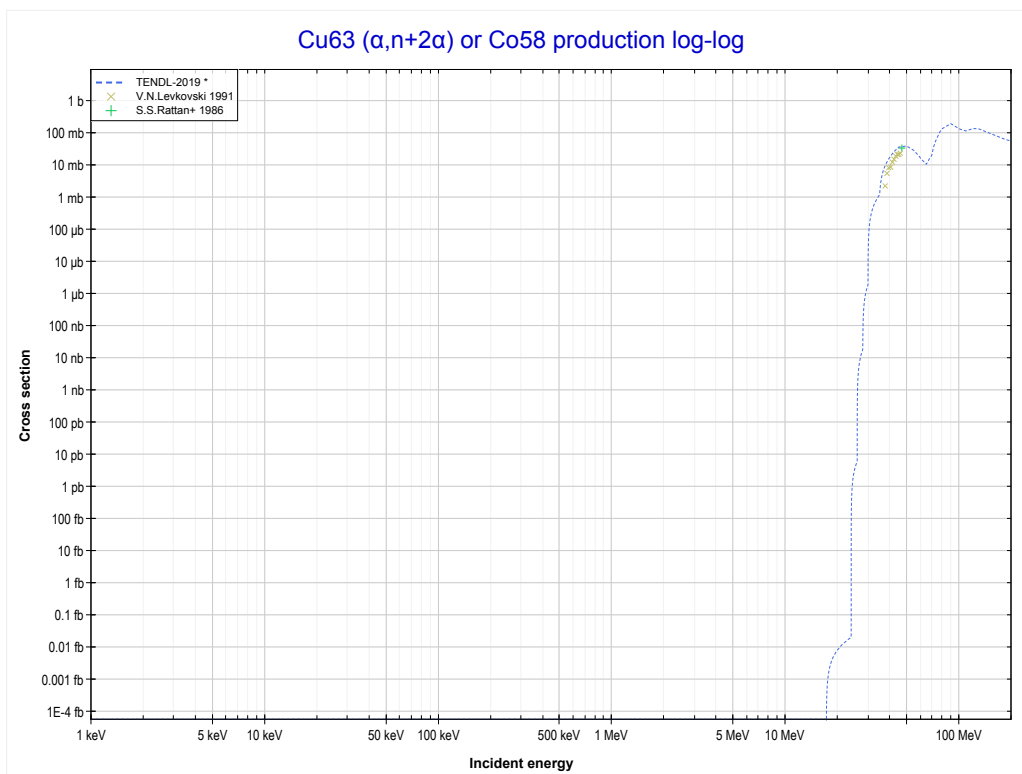
Reaction	Q-Value
Cu63($\alpha,2n+\alpha$)Cu61	-19738.33 keV
Cu63($\alpha,2t$)Cu61	-31070.40 keV
Cu63($\alpha,n+d+t$)Cu61	-37327.63 keV
Cu63($\alpha,2n+p+t$)Cu61	-39552.20 keV
Cu63($\alpha,3n+He3$)Cu61	-40315.95 keV
Cu63($\alpha,2n+2d$)Cu61	-43584.86 keV
Cu63($\alpha,3n+p+d$)Cu61	-45809.43 keV
Cu63($\alpha,4n+2p$)Cu61	-48033.99 keV

<< 28-Ni-62	29-Cu-63	30-Zn-64 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Zn65 production)	MT29 ($\alpha,n+2\alpha$) >>



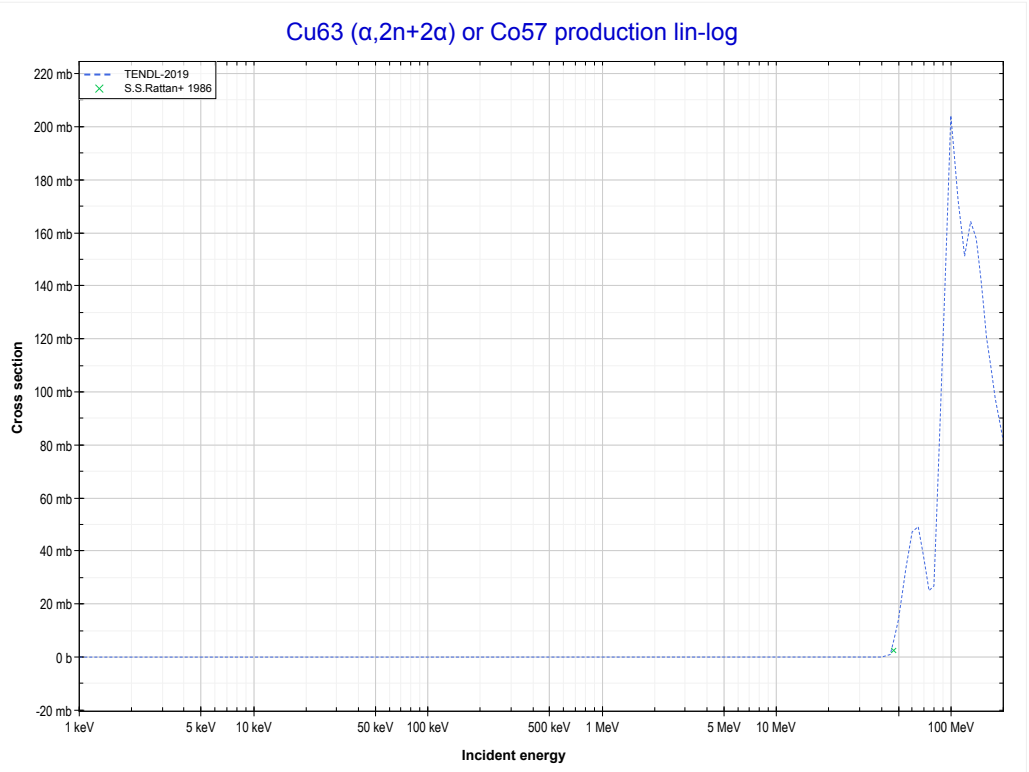
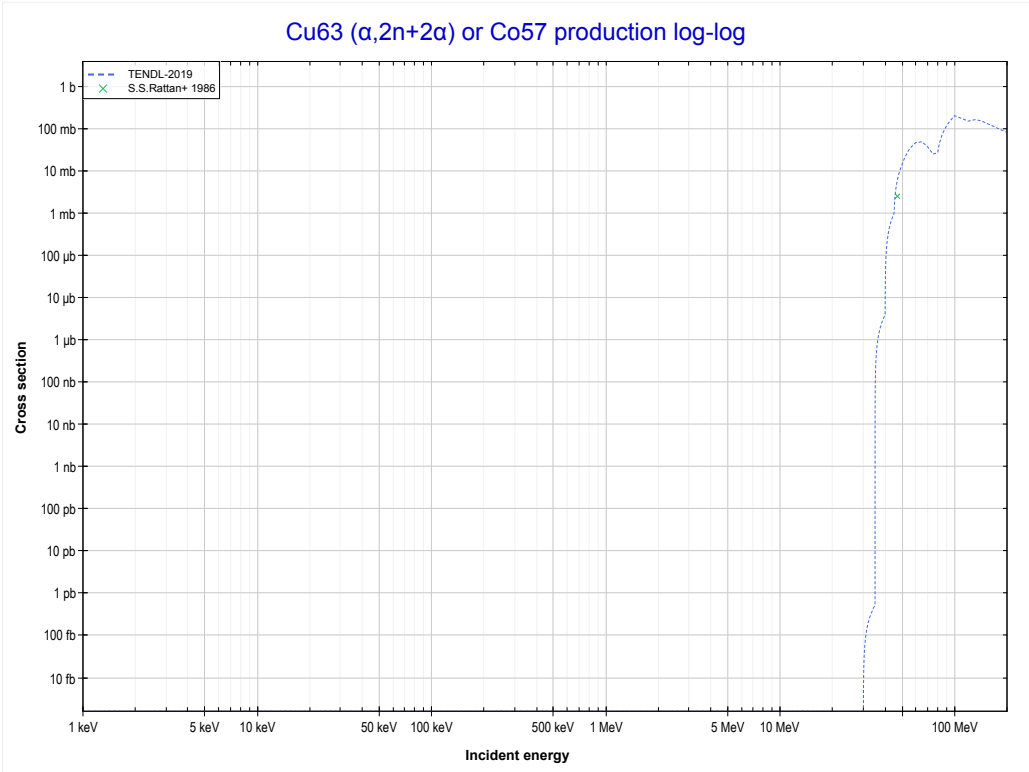
Reaction	Q-Value
Cu63(α,d)Zn65	-10378.61 keV
Cu63($\alpha,n+p$)Zn65	-12603.17 keV

<< 27-Co-59	29-Cu-63	35-Br-79 >>
<< MT28 ($\alpha, n+p$)	MT29 ($\alpha, n+2\alpha$) or MT5 (Co58 production)	MT30 ($\alpha, 2n+2\alpha$) >>



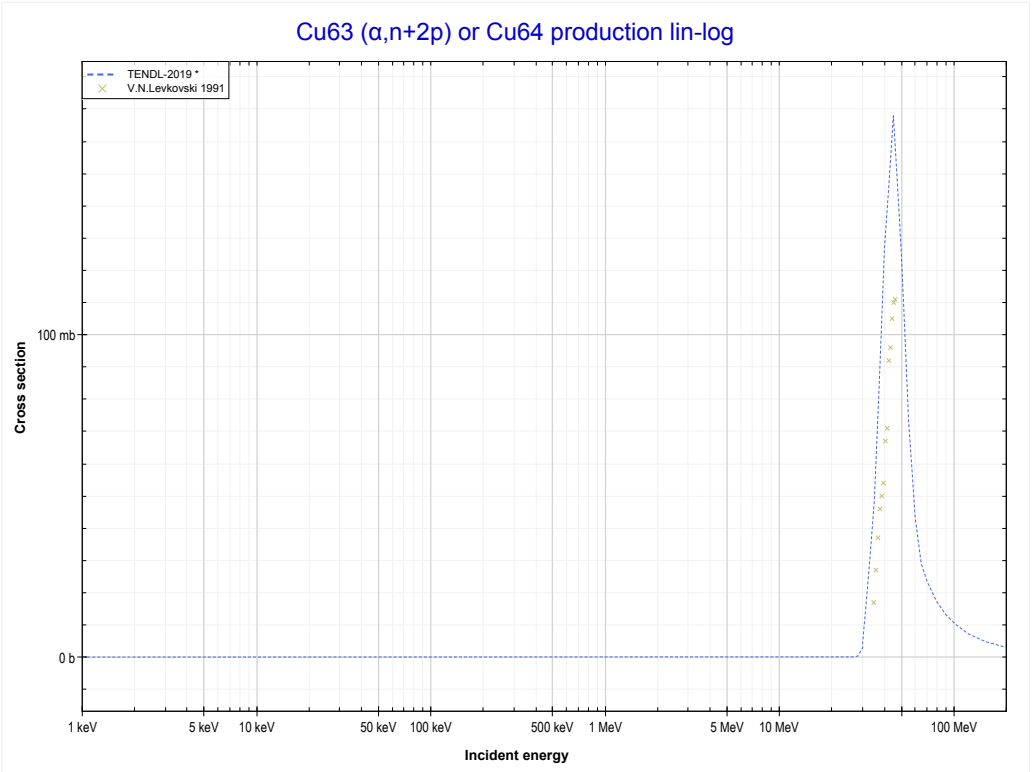
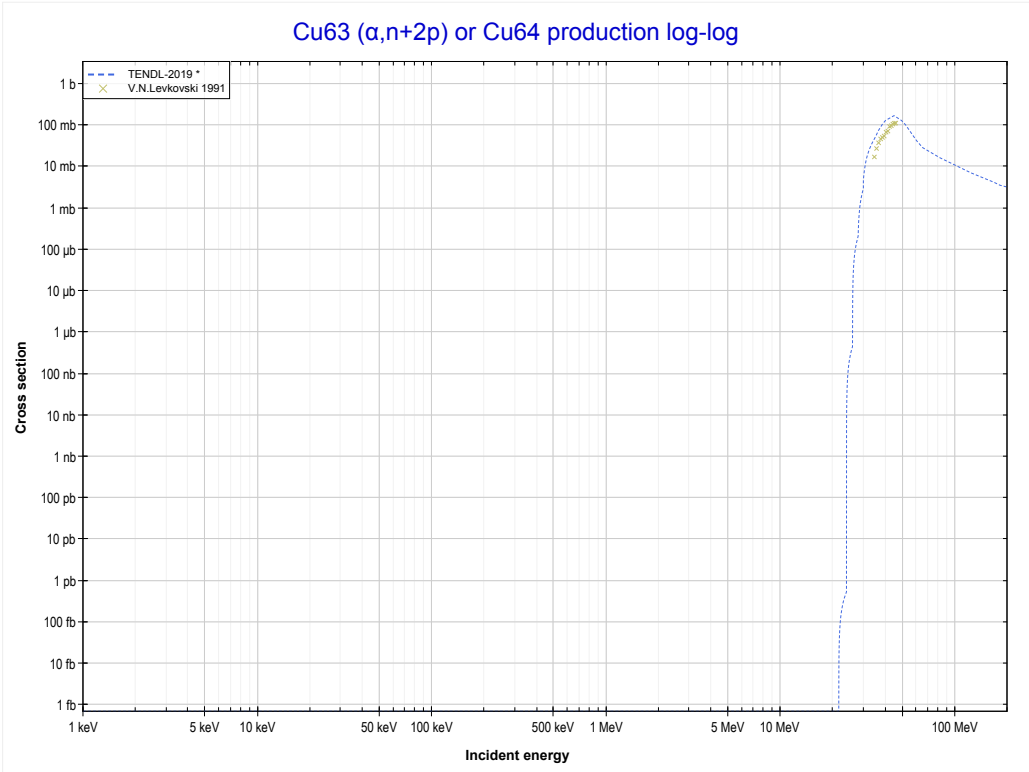
Reaction	Q-Value	Reaction	Q-Value
Cu63($\alpha, n+2\alpha$)Co58	-16228.83 keV	Cu63($\alpha, p+d+2t$)Co58	-53632.00 keV
Cu63($\alpha, d+t+\alpha$)Co58	-33818.13 keV	Cu63($\alpha, n+d+t+He3$)Co58	-54395.75 keV
Cu63($\alpha, n+p+t+\alpha$)Co58	-36042.70 keV	Cu63($\alpha, n+2p+2t$)Co58	-55856.56 keV
Cu63($\alpha, 2n+He3+\alpha$)Co58	-36806.45 keV	Cu63($\alpha, 2n+p+t+He3$)Co58	-56620.32 keV
Cu63($\alpha, n+2d+\alpha$)Co58	-40075.36 keV	Cu63($\alpha, 3n+2He3$)Co58	-57384.07 keV
Cu63($\alpha, 2n+p+d+\alpha$)Co58	-42299.93 keV	Cu63($\alpha, 3d+t$)Co58	-57664.66 keV
Cu63($\alpha, 3n+2p+\alpha$)Co58	-44524.49 keV	Cu63($\alpha, n+p+2d+t$)Co58	-59889.23 keV
Cu63($\alpha, 2t+He3$)Co58	-48138.52 keV	Cu63($\alpha, 2n+2d+He3$)Co58	-60652.98 keV

	29-Cu-63	
<< MT29 ($\alpha,n+2\alpha$)	MT30 ($\alpha,2n+2\alpha$) or MT5 (Co57 production)	MT44 ($\alpha,n+2p$) >>



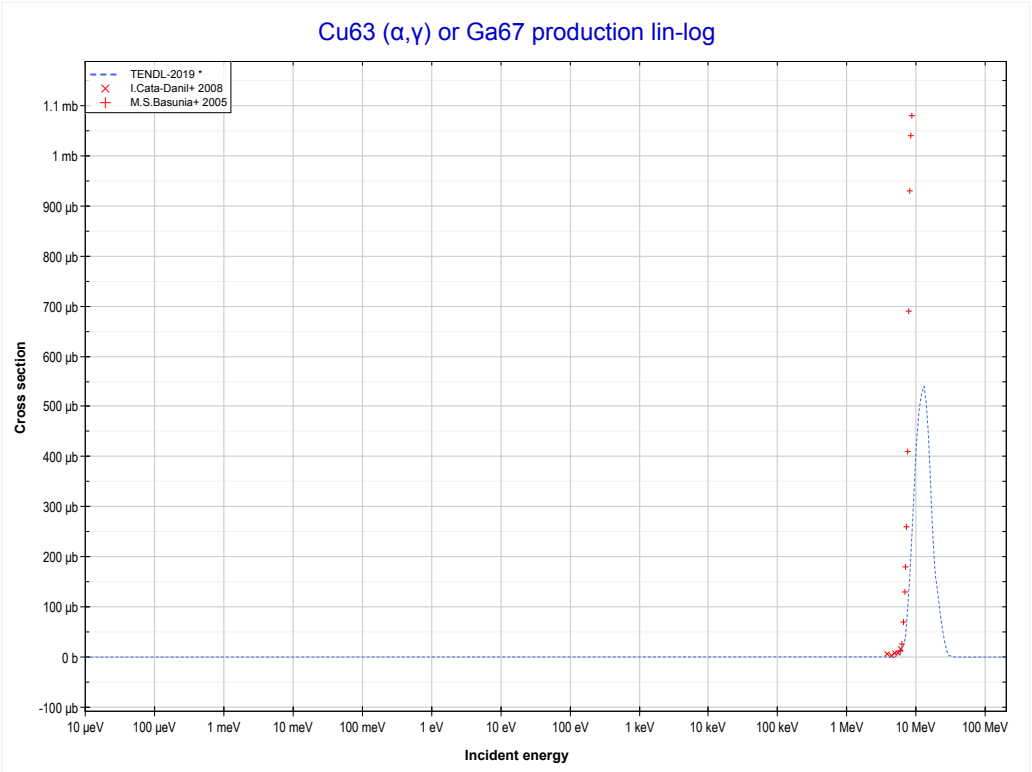
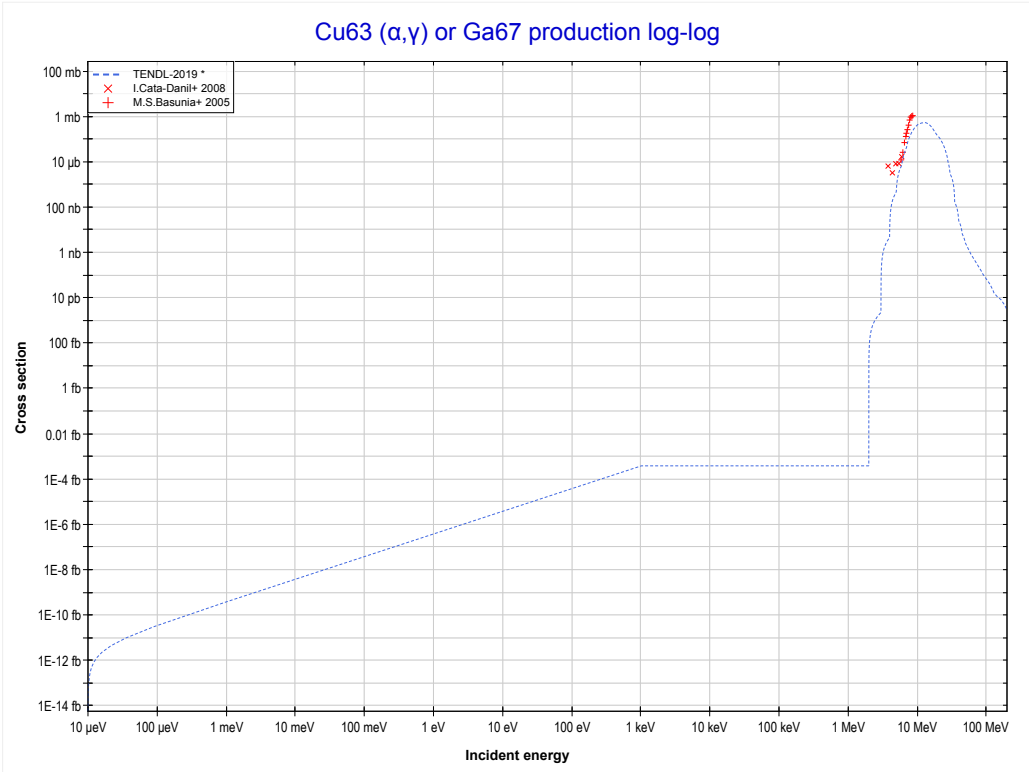
Reaction	Q-Value	Reaction	Q-Value
Cu63($\alpha,2n+2\alpha$)Co57	-24801.75 keV	Cu63($\alpha,p+3t$)Co57	-55947.68 keV
Cu63($\alpha,2t+\alpha$)Co57	-36133.82 keV	Cu63($\alpha,n+2t+He3$)Co57	-56711.44 keV
Cu63($\alpha,n+d+t+\alpha$)Co57	-42391.05 keV	Cu63($\alpha,2d+2t$)Co57	-59980.35 keV
Cu63($\alpha,2n+p+t+\alpha$)Co57	-44615.61 keV	Cu63($\alpha,n+p+d+2t$)Co57	-62204.91 keV
Cu63($\alpha,3n+He3+\alpha$)Co57	-45379.37 keV	Cu63($\alpha,2n+d+t+He3$)Co57	-62968.67 keV
Cu63($\alpha,2n+2d+\alpha$)Co57	-48648.28 keV	Cu63($\alpha,2n+2p+2t$)Co57	-64429.48 keV
Cu63($\alpha,3n+p+d+\alpha$)Co57	-50872.84 keV	Cu63($\alpha,3n+p+t+He3$)Co57	-65193.23 keV
Cu63($\alpha,4n+2p+\alpha$)Co57	-53097.41 keV	Cu63($\alpha,4n+2He3$)Co57	-65956.99 keV

<< 27-Co-59	29-Cu-63	30-Zn-64 >>
<< MT30 ($\alpha,2n+2\alpha$)	MT44 ($\alpha,n+2p$) or MT5 (Cu64 production)	MT102 (α,γ) >>



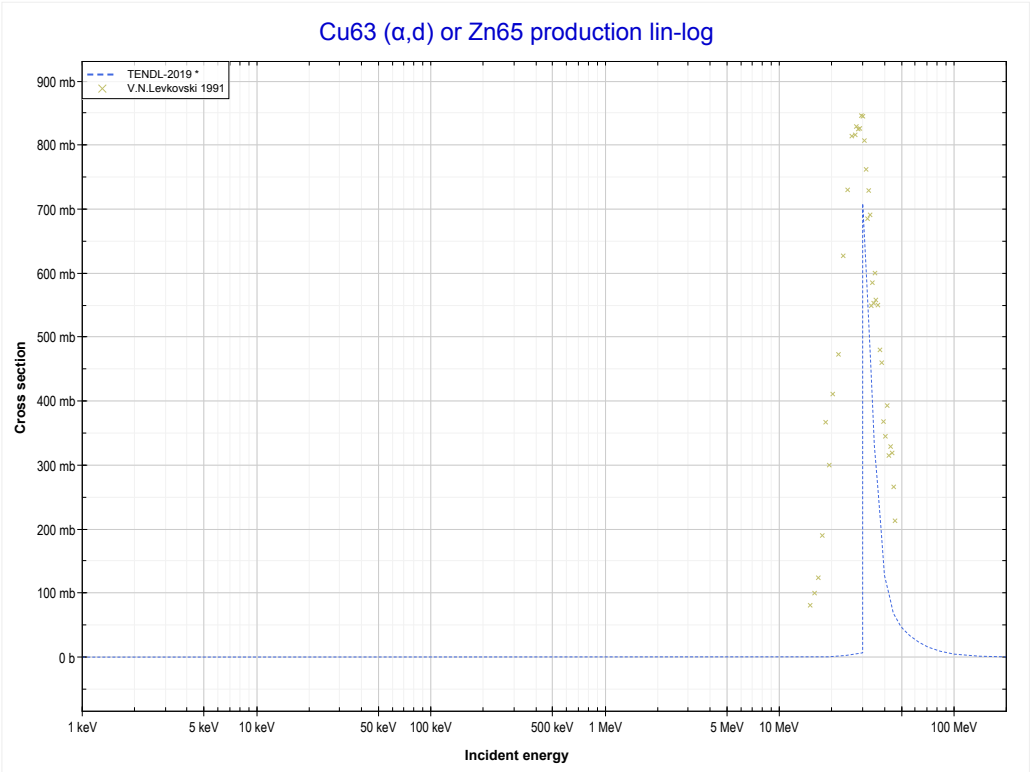
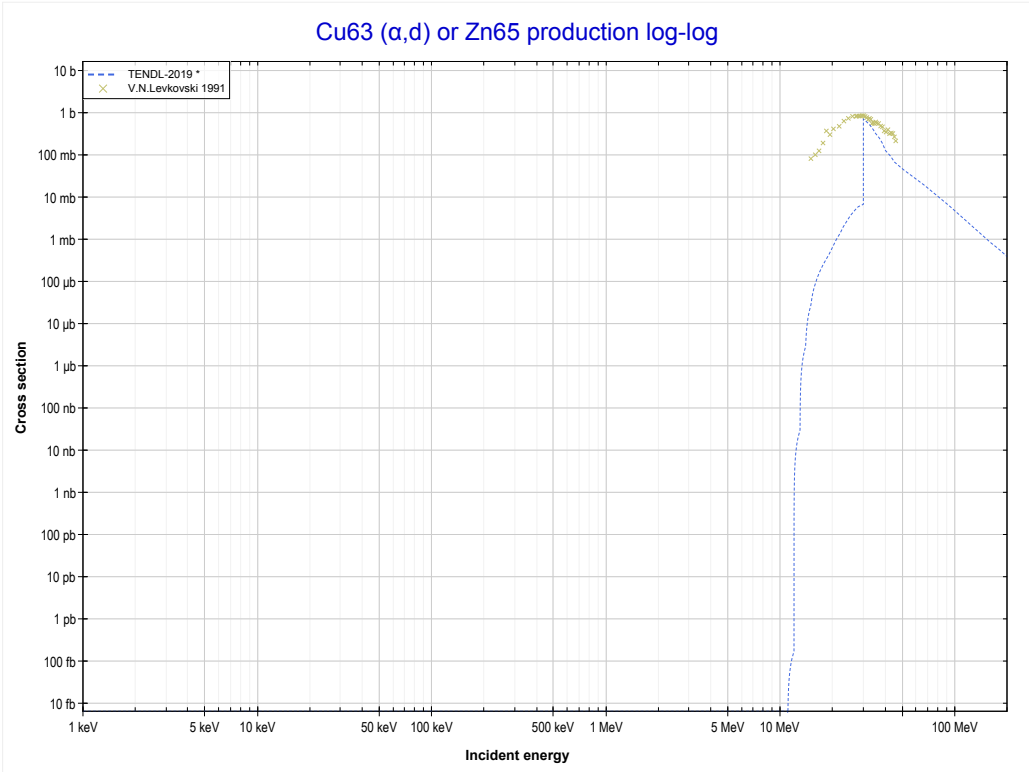
Reaction	Q-Value
Cu63(α ,He3)Cu64	-12661.60 keV
Cu63(α ,p+d)Cu64	-18155.08 keV
Cu63(α ,n+2p)Cu64	-20379.64 keV

<< 28-Ni-64	29-Cu-63	30-Zn-64 >>
<< MT44 ($\alpha,n+2p$)	MT102 (α,γ) or MT5 (Ga67 production)	MT104 (α,d) >>



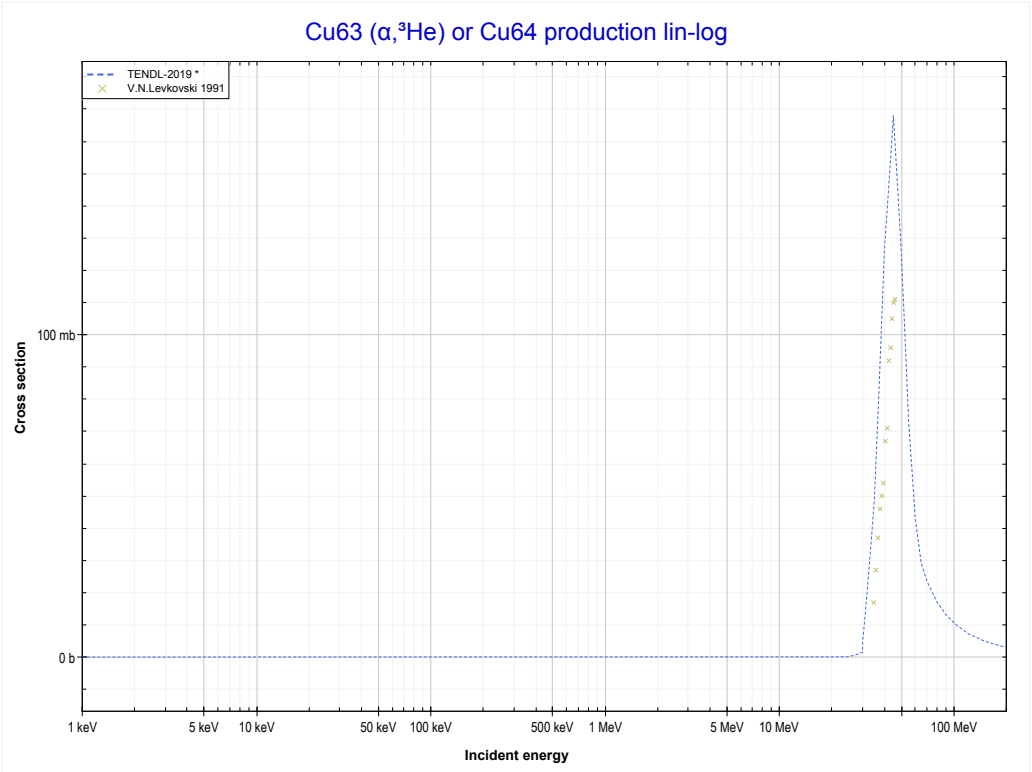
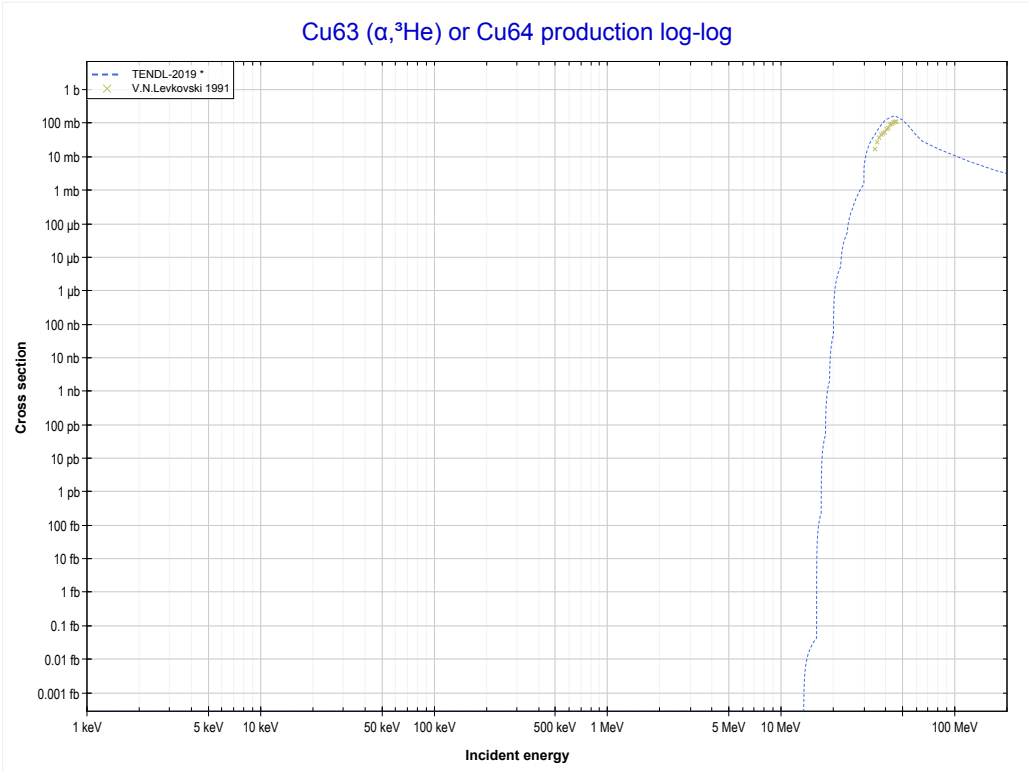
Reaction	Q-Value
Cu63(α,γ)Ga67	3724.12 keV

<< 28-Ni-62	29-Cu-63	30-Zn-64 >>
<< MT102 (α,γ)	MT104 (α,d) or MT5 (Zn65 production)	MT106 (α, ³ He) >>



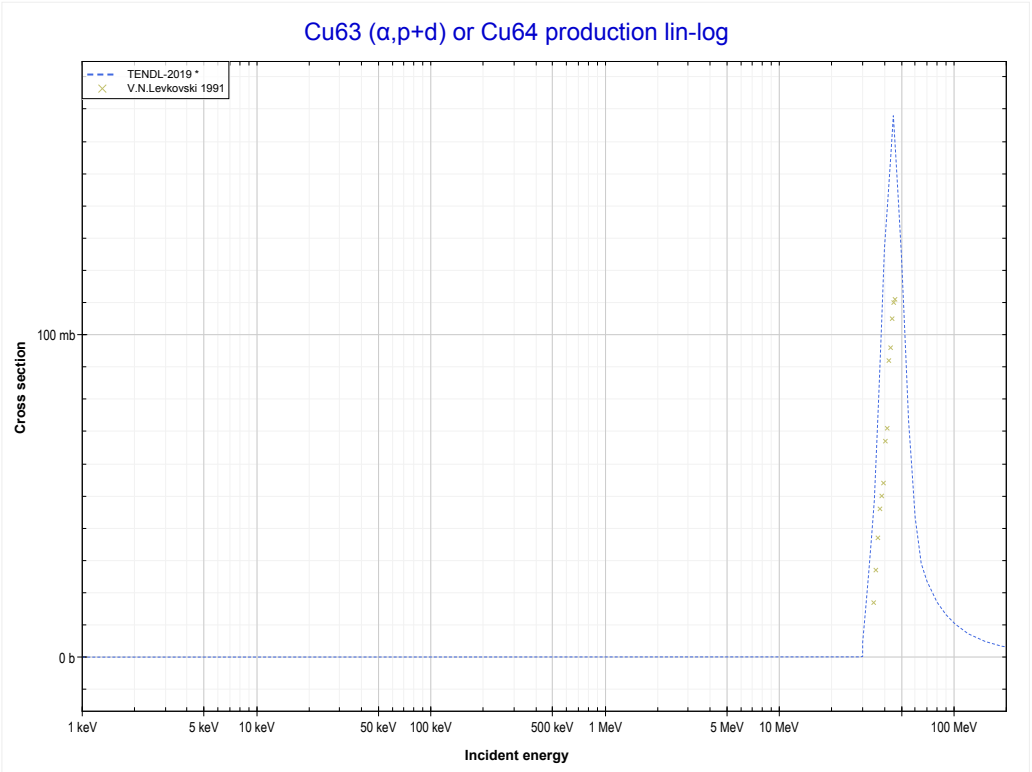
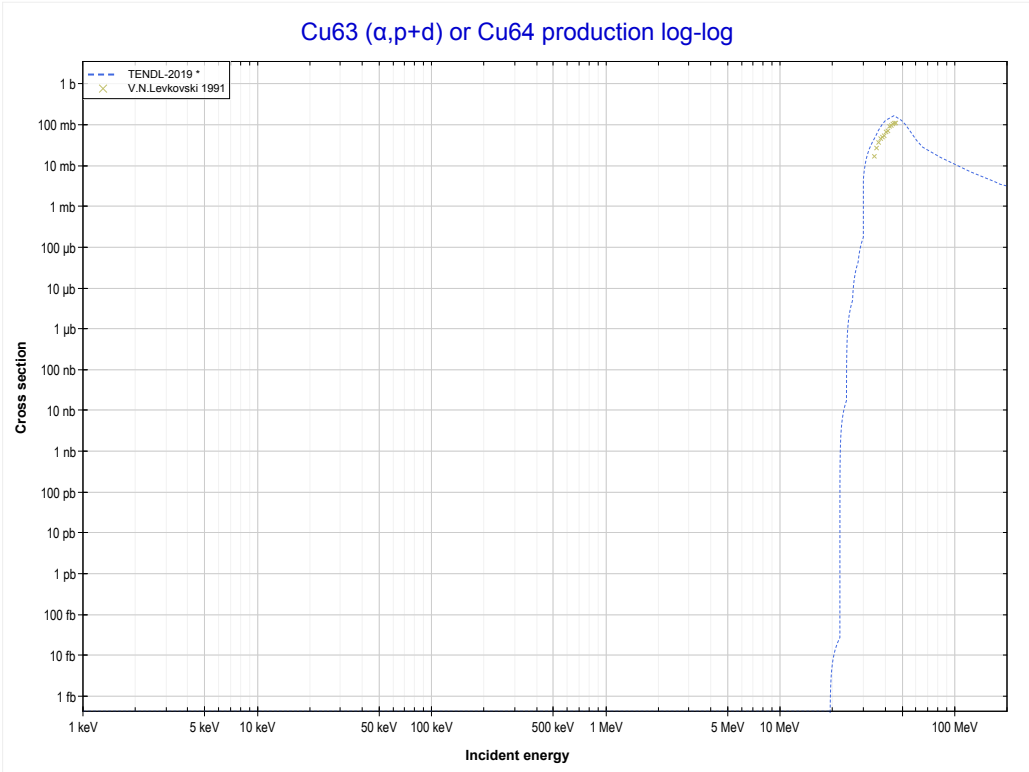
Reaction	Q-Value
Cu63(α,d)Zn65	-10378.61 keV
Cu63(α,n+p)Zn65	-12603.17 keV

<< 27-Co-59	29-Cu-63	32-Ge-76 >>
<< MT104 (α,d)	MT106 (α, ³ He) or MT5 (Cu64 production)	MT115 (α,p+d) >>



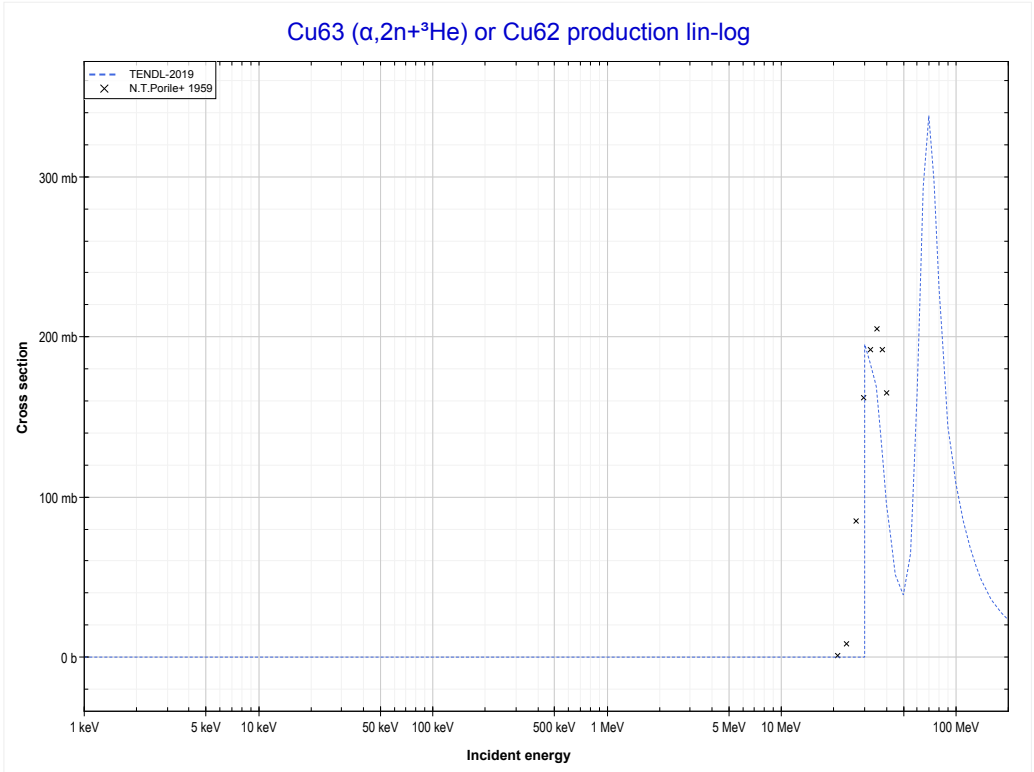
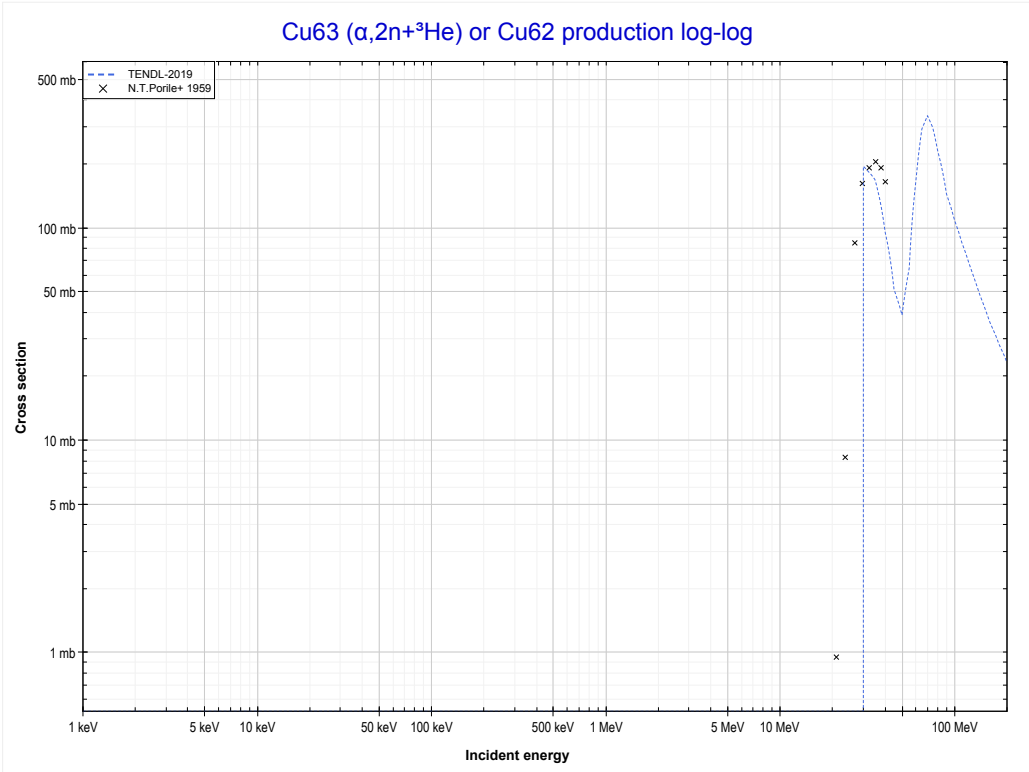
Reaction	Q-Value
Cu63(α,He3)Cu64	-12661.60 keV
Cu63(α,p+d)Cu64	-18155.08 keV
Cu63(α,n+2p)Cu64	-20379.64 keV

<< 27-Co-59	29-Cu-63	32-Ge-76 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Cu64 production)	MT176 (α ,2n+ ^3He) >>



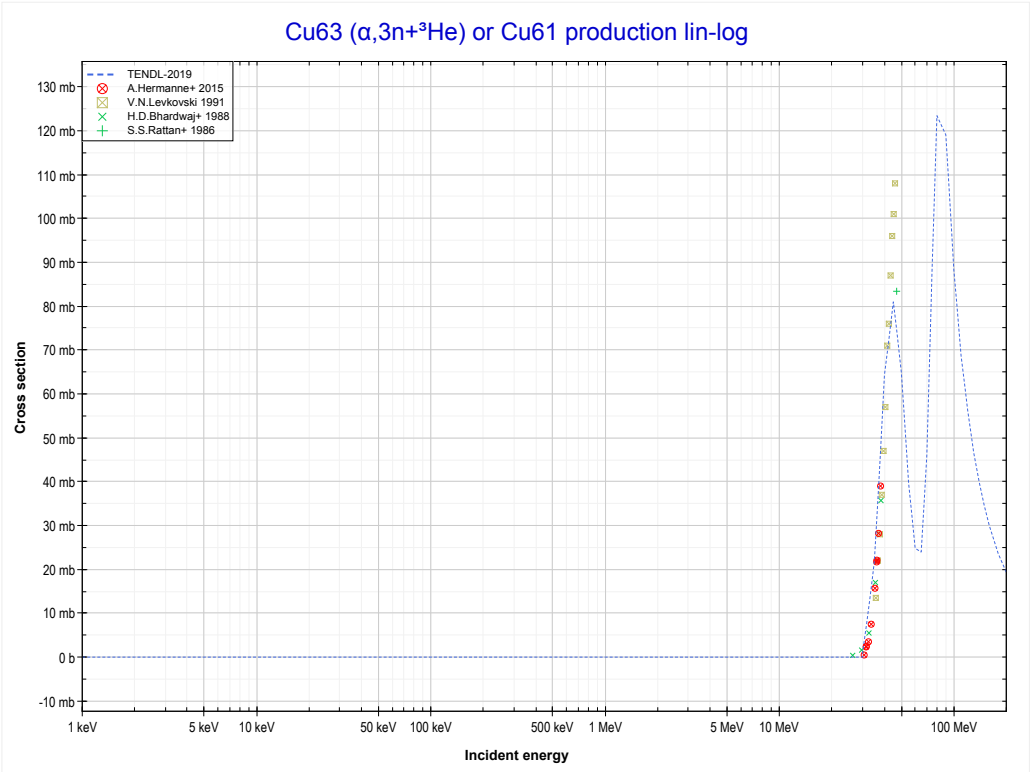
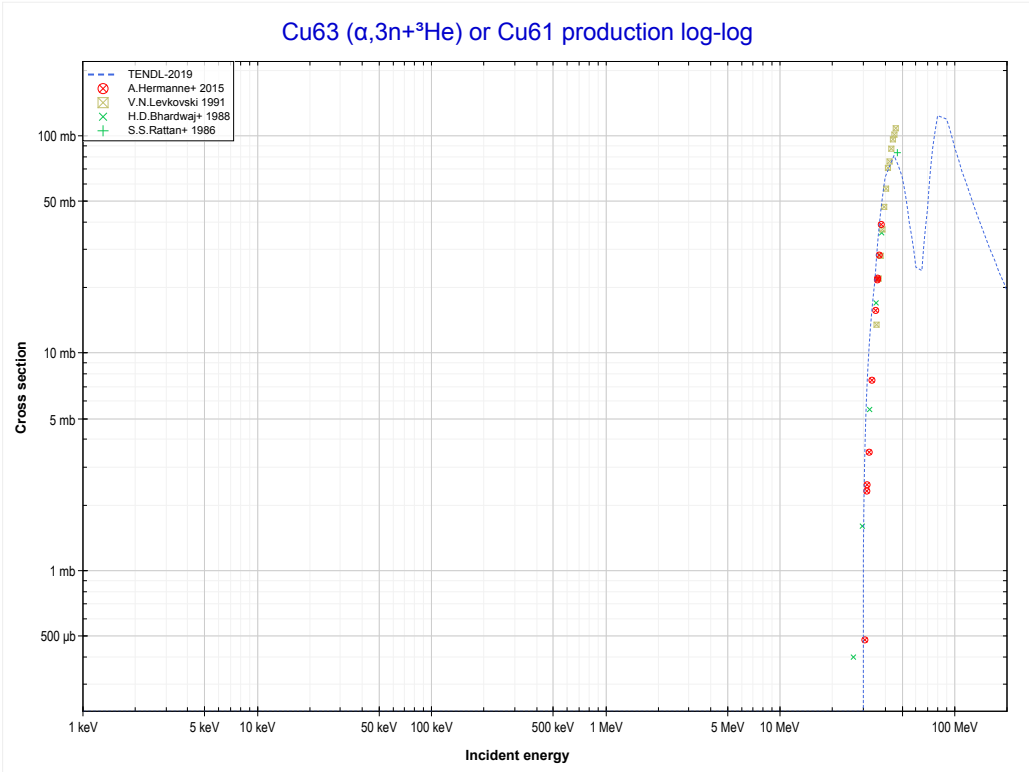
Reaction	Q-Value
Cu63(α ,He3)Cu64	-12661.60 keV
Cu63(α ,p+d)Cu64	-18155.08 keV
Cu63(α ,n+2p)Cu64	-20379.64 keV

<< 28-Ni-58	29-Cu-63	29-Cu-65 >>
<< MT115 (α,p+d)	MT176 (α,2n+ ³ He) or MT5 (Cu62 production)	MT177 (α,3n+ ³ He) >>



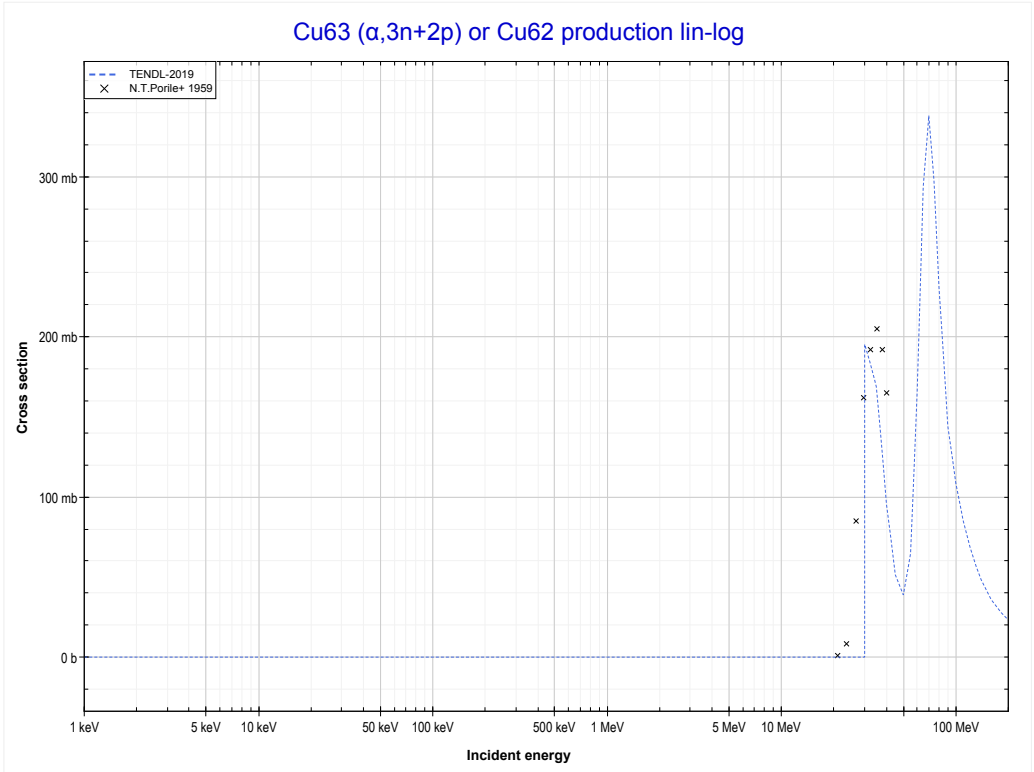
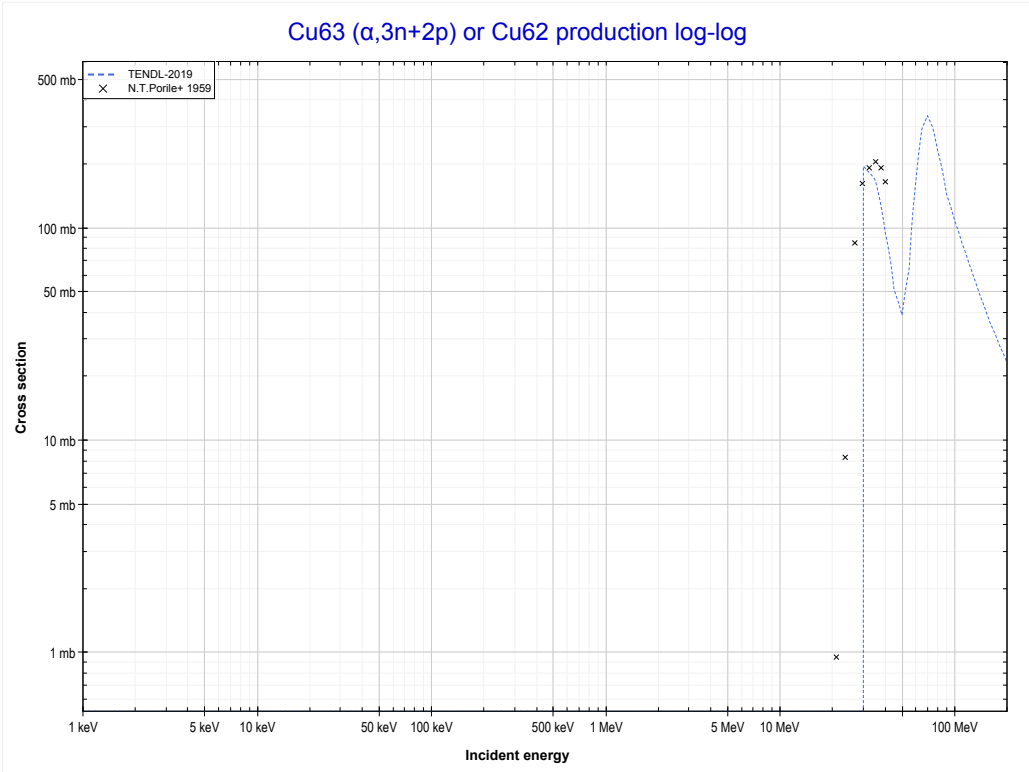
Reaction	Q-Value
Cu63(α,n+α)Cu62	-10863.72 keV
Cu63(α,d+t)Cu62	-28453.02 keV
Cu63(α,n+p+t)Cu62	-30677.58 keV
Cu63(α,2n+He3)Cu62	-31441.34 keV
Cu63(α,n+2d)Cu62	-34710.24 keV
Cu63(α,2n+p+d)Cu62	-36934.81 keV
Cu63(α,3n+2p)Cu62	-39159.38 keV

<< 28-Ni-58	29-Cu-63	30-Zn-64 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Cu61 production)	MT179 ($\alpha,3n+2p$) >>



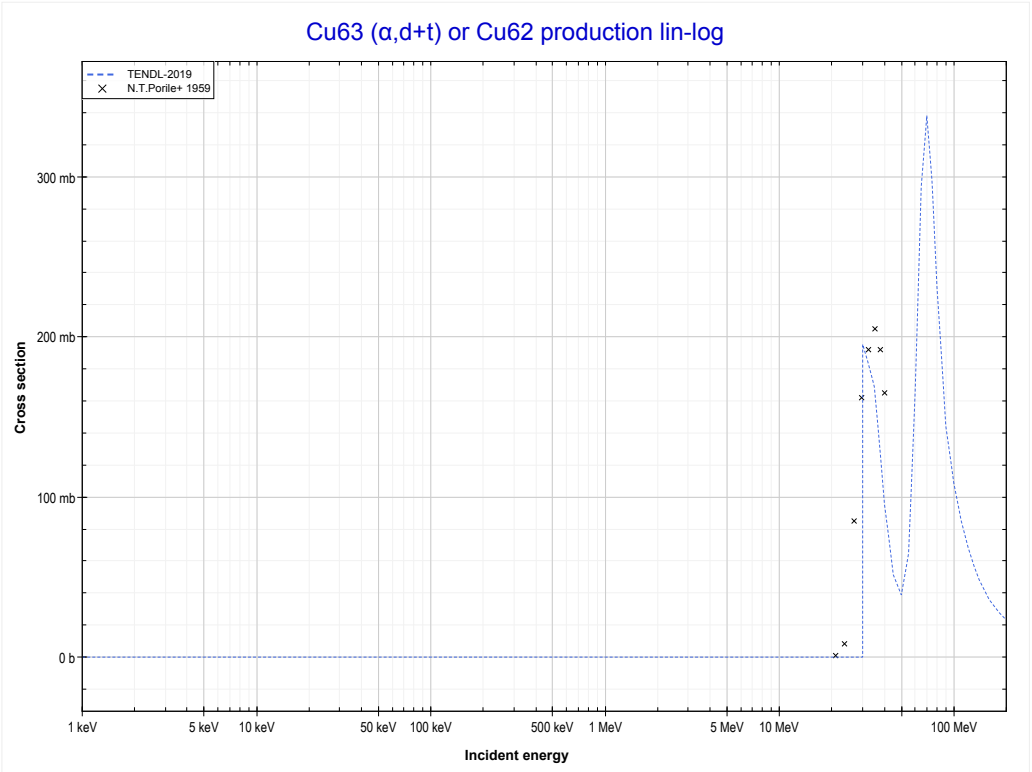
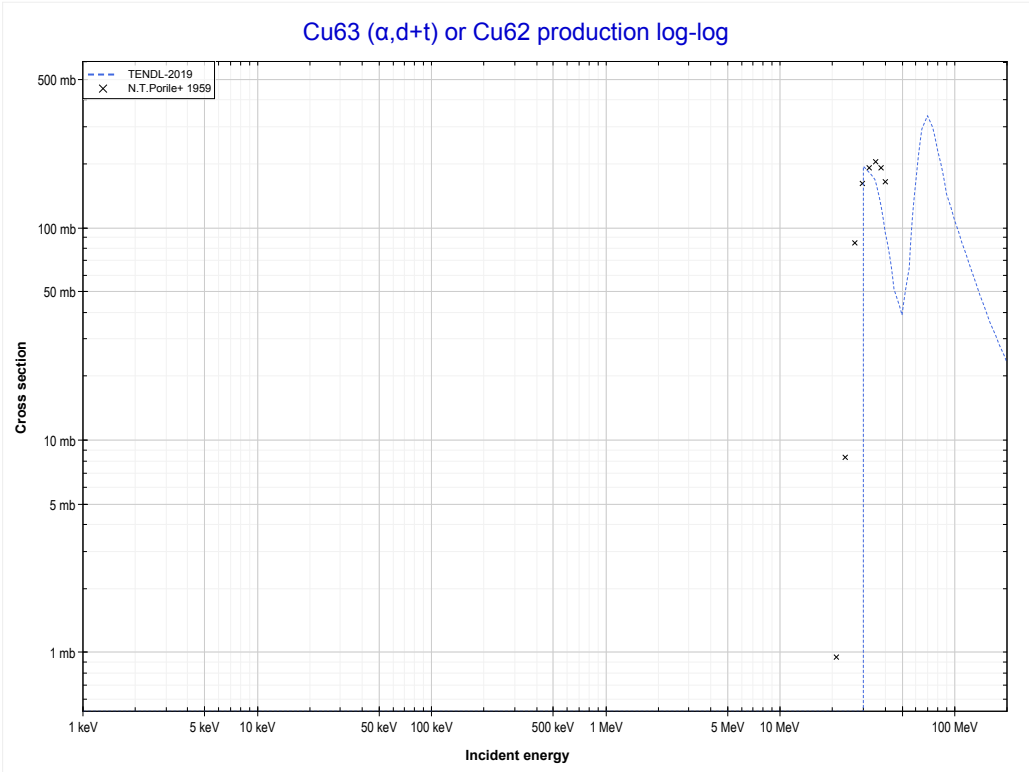
Reaction	Q-Value
Cu63($\alpha,2n+\alpha$)Cu61	-19738.33 keV
Cu63($\alpha,2t$)Cu61	-31070.40 keV
Cu63($\alpha,n+d+t$)Cu61	-37327.63 keV
Cu63($\alpha,2n+p+t$)Cu61	-39552.20 keV
Cu63($\alpha,3n+\text{He3}$)Cu61	-40315.95 keV
Cu63($\alpha,2n+2d$)Cu61	-43584.86 keV
Cu63($\alpha,3n+p+d$)Cu61	-45809.43 keV
Cu63($\alpha,4n+2p$)Cu61	-48033.99 keV

<< 28-Ni-58	29-Cu-63	29-Cu-65 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Cu62 production)	MT182 ($\alpha,d+t$) >>



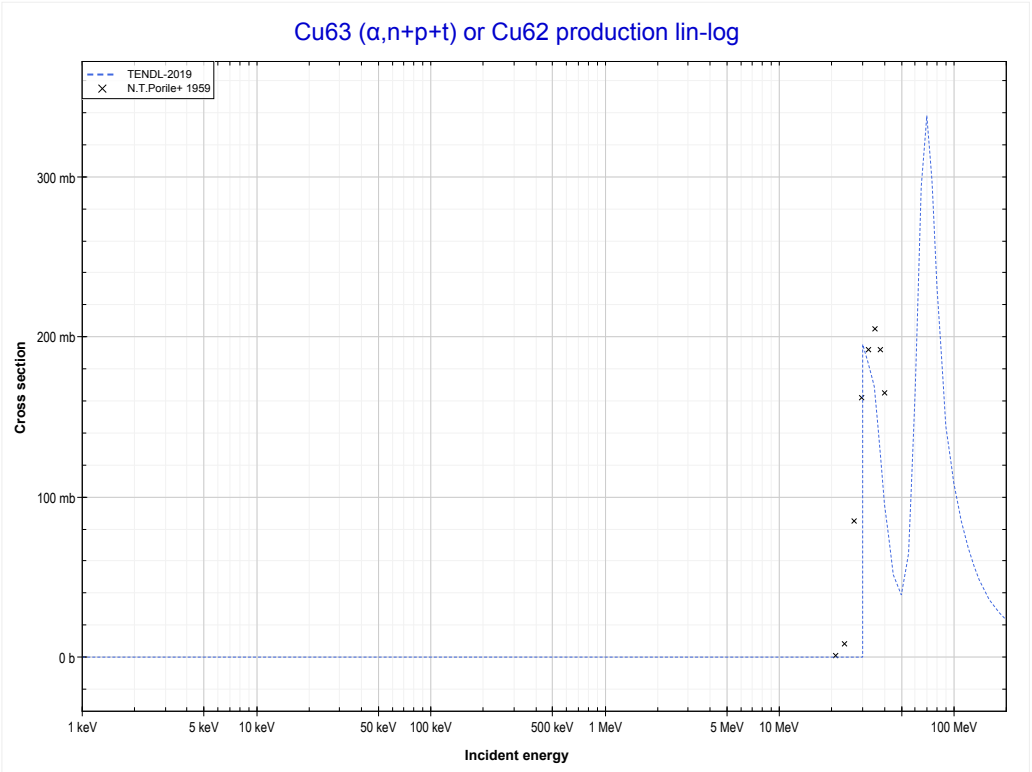
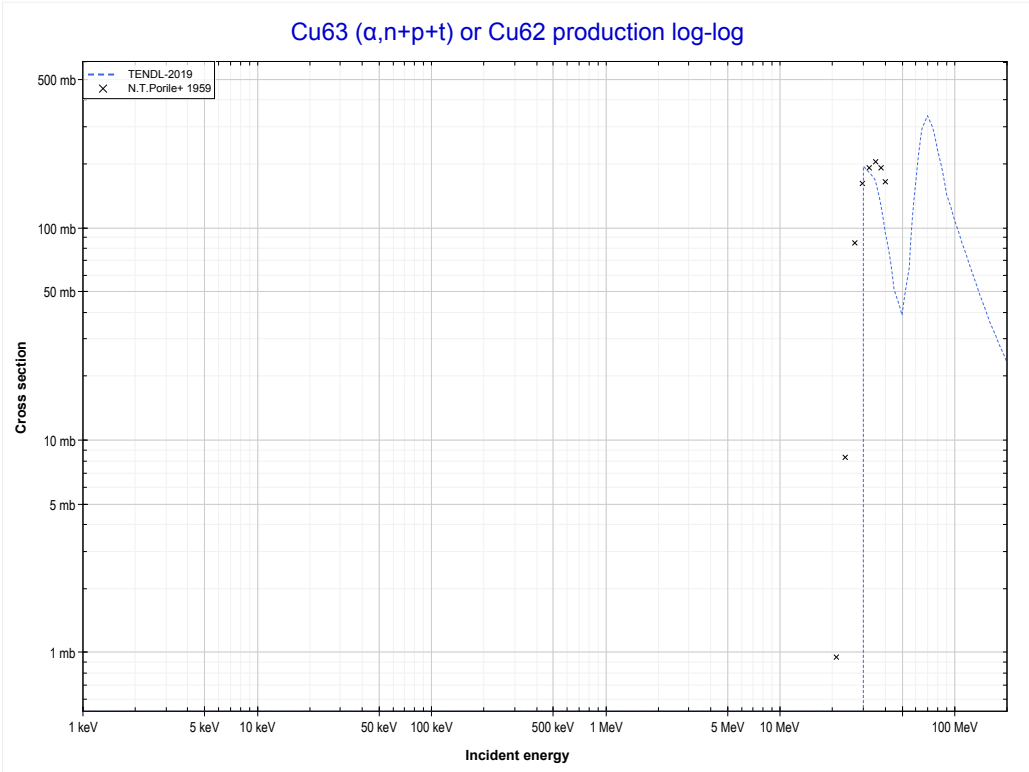
Reaction	Q-Value
Cu63($\alpha,n+\alpha$)Cu62	-10863.72 keV
Cu63($\alpha,d+t$)Cu62	-28453.02 keV
Cu63($\alpha,n+p+t$)Cu62	-30677.58 keV
Cu63($\alpha,2n+^3\text{He}$)Cu62	-31441.34 keV
Cu63($\alpha,n+2d$)Cu62	-34710.24 keV
Cu63($\alpha,2n+p+d$)Cu62	-36934.81 keV
Cu63($\alpha,3n+2p$)Cu62	-39159.38 keV

<< 28-Ni-58	29-Cu-63	29-Cu-65 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Cu62 production)	MT184 ($\alpha,n+p+t$) >>



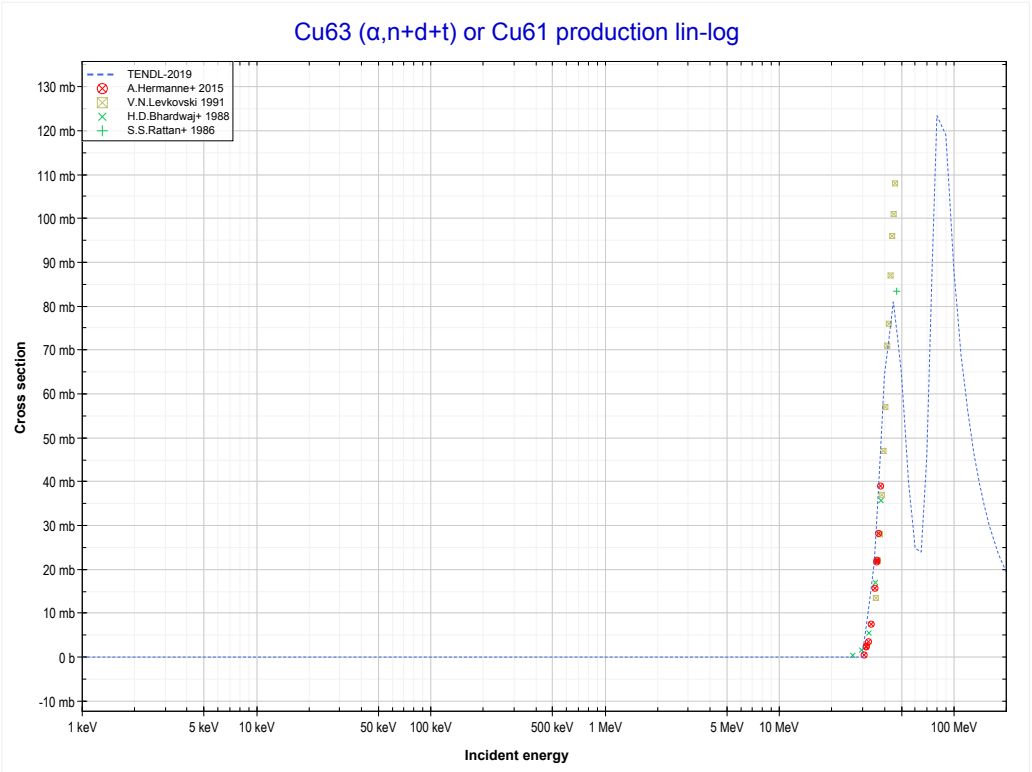
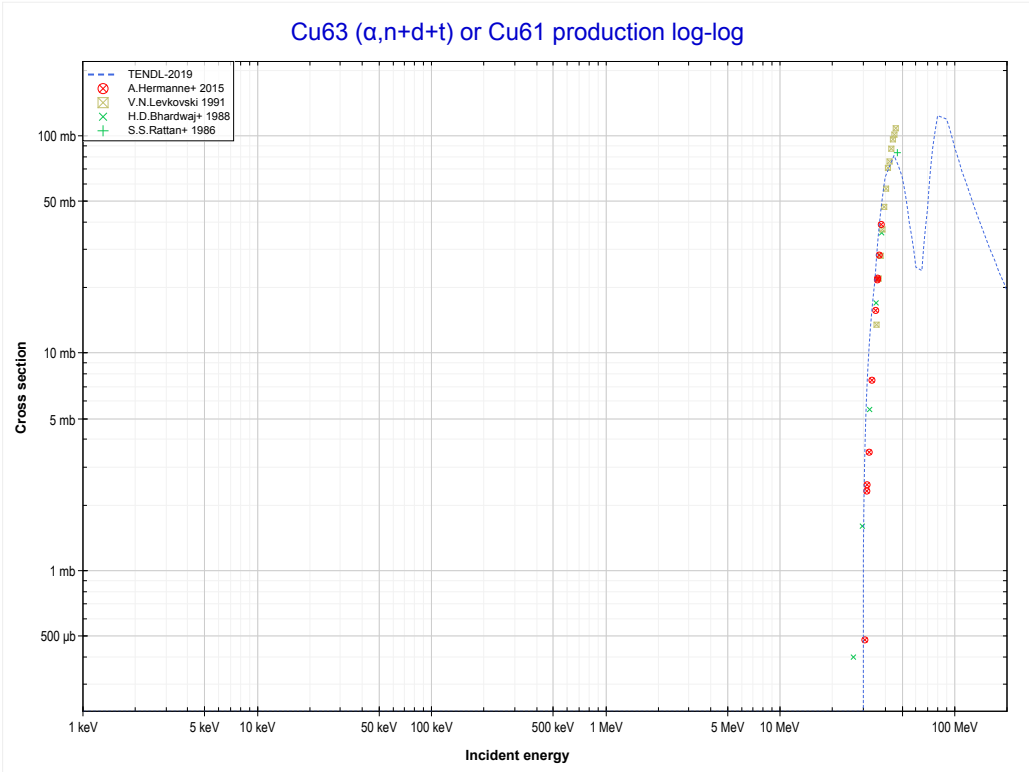
Reaction	Q-Value
Cu63($\alpha,n+\alpha$)Cu62	-10863.72 keV
Cu63($\alpha,d+t$)Cu62	-28453.02 keV
Cu63($\alpha,n+p+t$)Cu62	-30677.58 keV
Cu63($\alpha,2n+He3$)Cu62	-31441.34 keV
Cu63($\alpha,n+2d$)Cu62	-34710.24 keV
Cu63($\alpha,2n+p+d$)Cu62	-36934.81 keV
Cu63($\alpha,3n+2p$)Cu62	-39159.38 keV

<< 28-Ni-58	29-Cu-63	29-Cu-65 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Cu62 production)	MT185 (α,n+d+t) >>



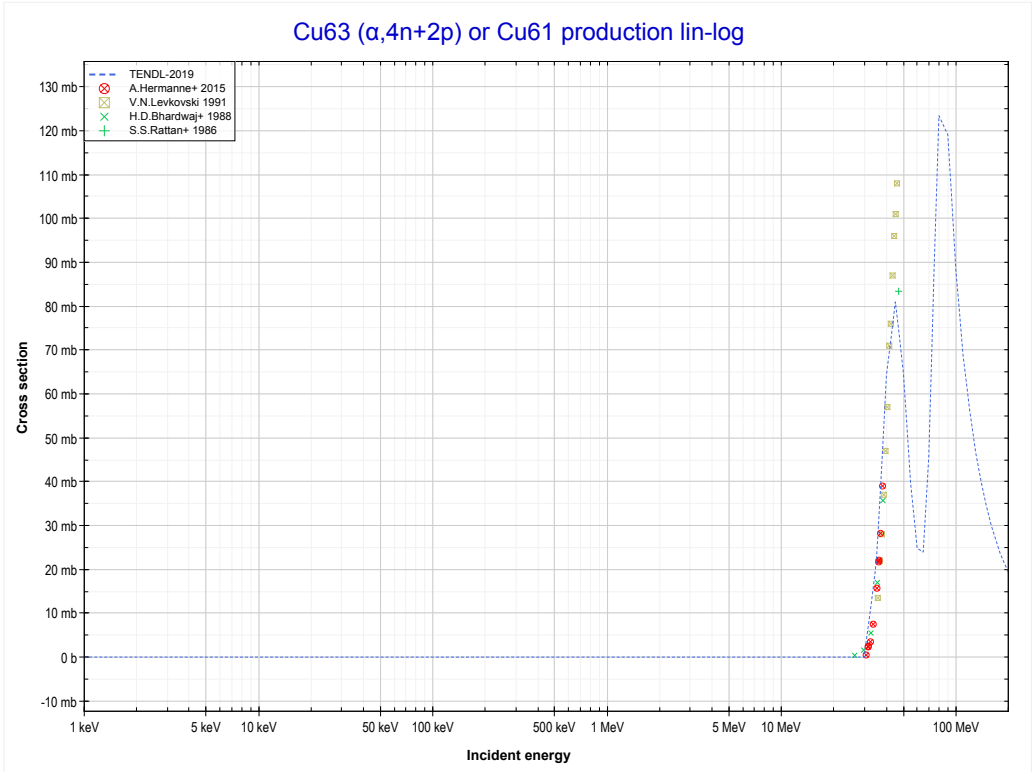
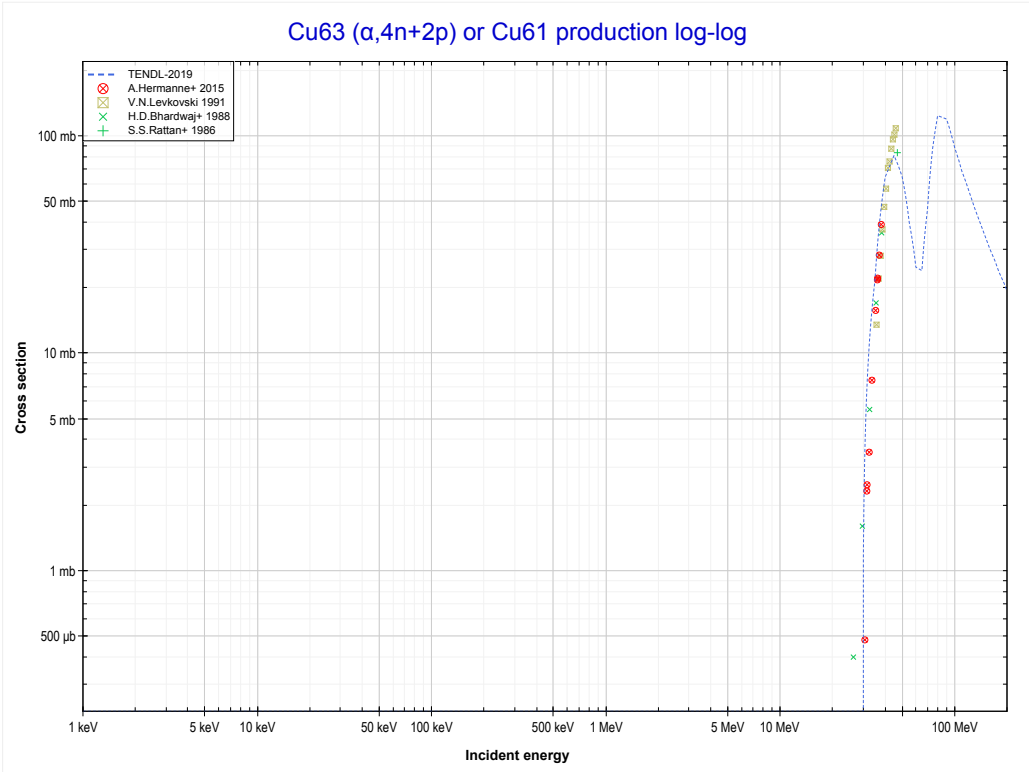
Reaction	Q-Value
Cu63(α,n+α)Cu62	-10863.72 keV
Cu63(α,d+t)Cu62	-28453.02 keV
Cu63(α,n+p+t)Cu62	-30677.58 keV
Cu63(α,2n+He3)Cu62	-31441.34 keV
Cu63(α,n+2d)Cu62	-34710.24 keV
Cu63(α,2n+p+d)Cu62	-36934.81 keV
Cu63(α,3n+2p)Cu62	-39159.38 keV

<< 28-Ni-58	29-Cu-63	30-Zn-64 >>
<< MT184 (α ,n+p+t)	MT185 (α ,n+d+t) or MT5 (Cu61 production)	MT194 (α ,4n+2p) >>



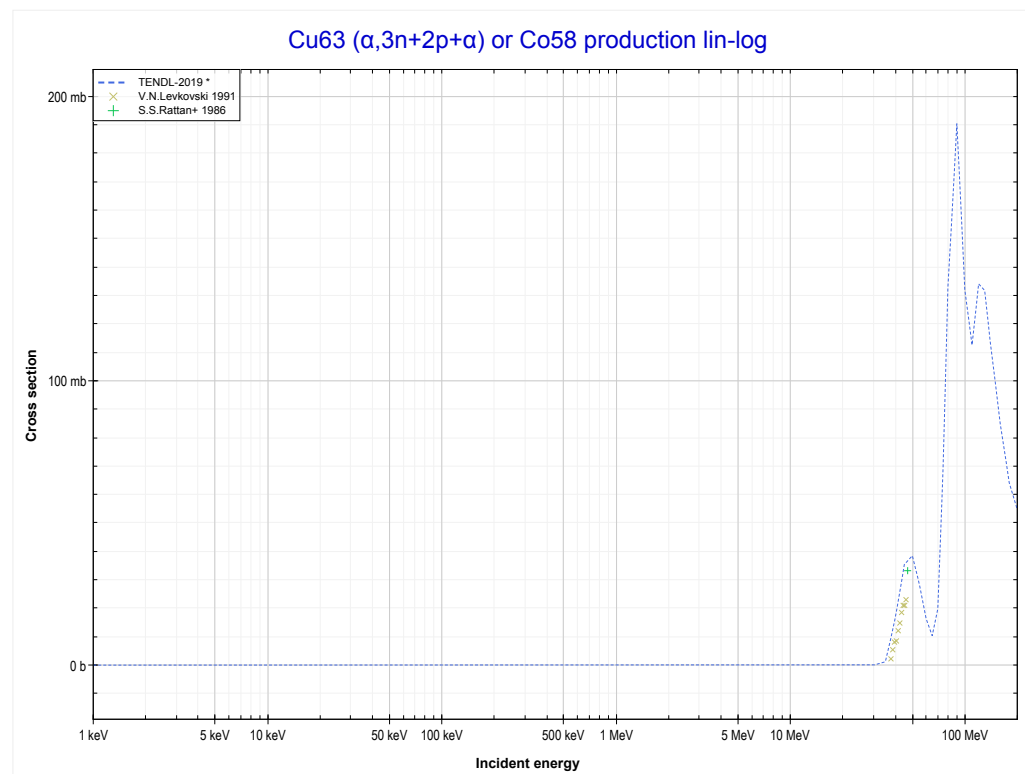
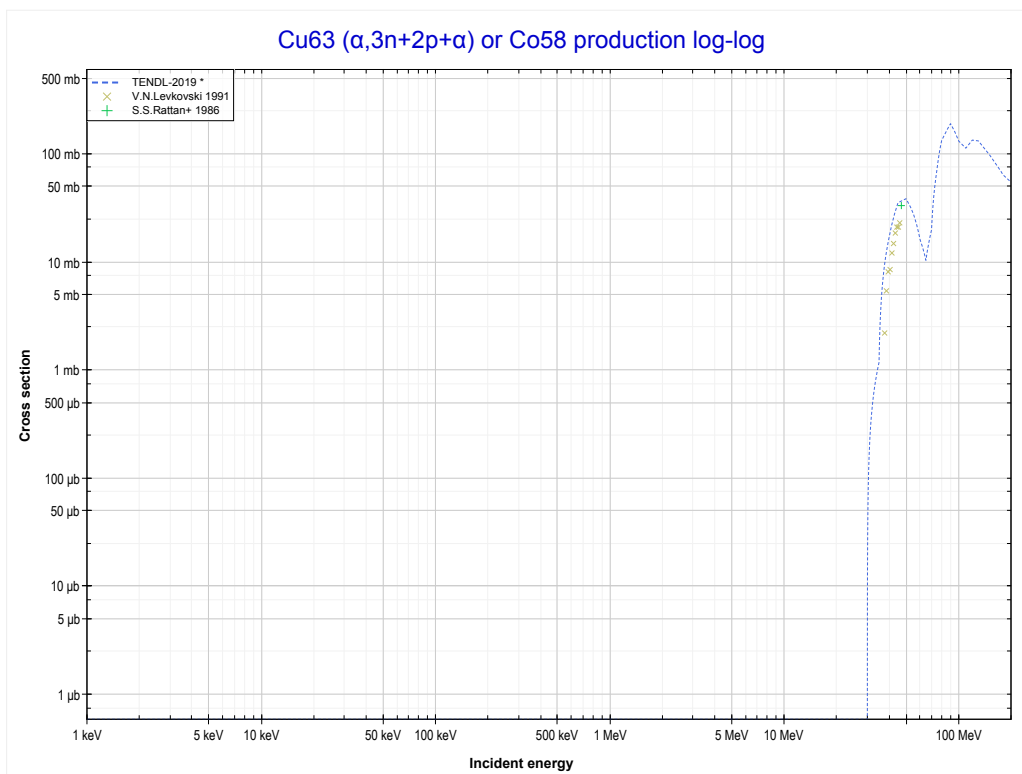
Reaction	Q-Value
Cu63(α ,2n+ α)Cu61	-19738.33 keV
Cu63(α ,2t)Cu61	-31070.40 keV
Cu63(α ,n+d+t)Cu61	-37327.63 keV
Cu63(α ,2n+p+t)Cu61	-39552.20 keV
Cu63(α ,3n+He3)Cu61	-40315.95 keV
Cu63(α ,2n+2d)Cu61	-43584.86 keV
Cu63(α ,3n+p+d)Cu61	-45809.43 keV
Cu63(α ,4n+2p)Cu61	-48033.99 keV

<< 28-Ni-58	29-Cu-63	30-Zn-64 >>
<< MT185 (α ,n+d+t)	MT194 (α ,4n+2p) or MT5 (Cu61 production)	MT199 (α ,3n+2p+ α) >>



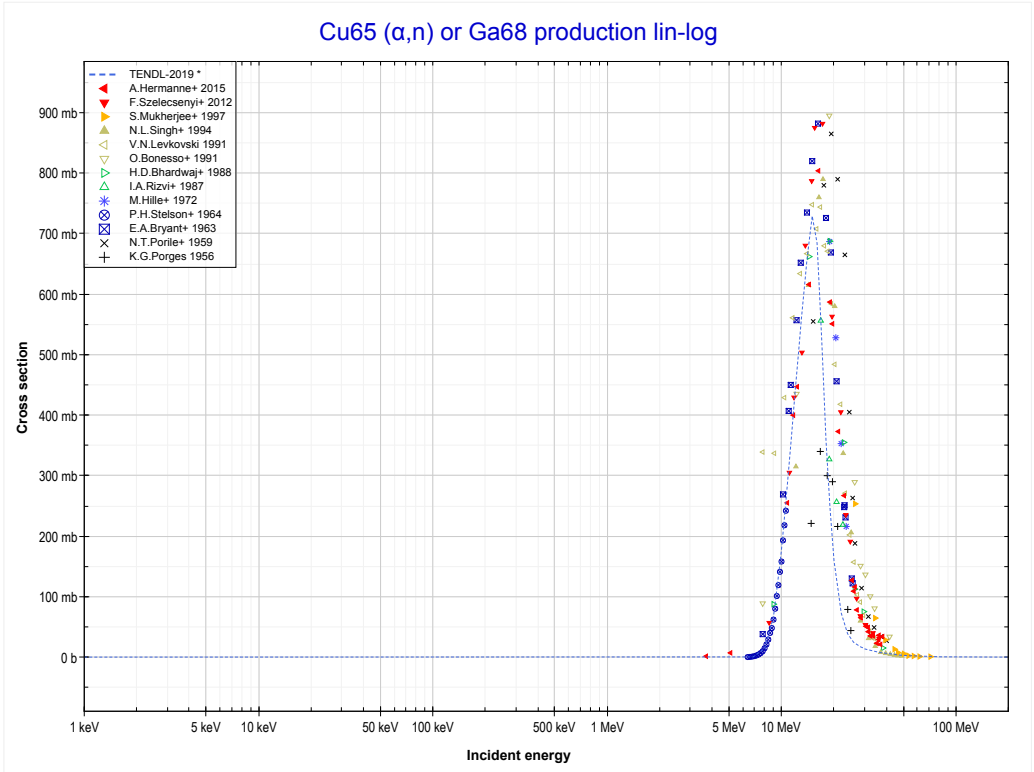
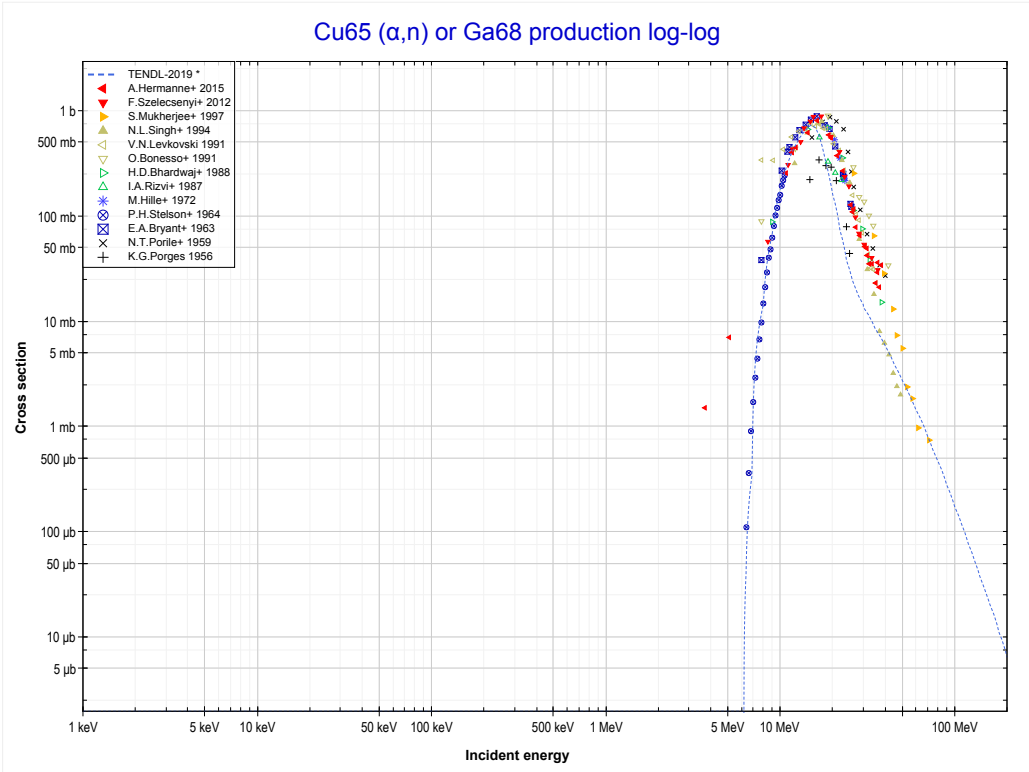
Reaction	Q-Value
Cu63(α ,2n+ α)Cu61	-19738.33 keV
Cu63(α ,2t)Cu61	-31070.40 keV
Cu63(α ,n+d+t)Cu61	-37327.63 keV
Cu63(α ,2n+p+t)Cu61	-39552.20 keV
Cu63(α ,3n+He3)Cu61	-40315.95 keV
Cu63(α ,2n+2d)Cu61	-43584.86 keV
Cu63(α ,3n+p+d)Cu61	-45809.43 keV
Cu63(α ,4n+2p)Cu61	-48033.99 keV

<< 27-Co-59	29-Cu-63	35-Br-79 >>
<< MT194 ($\alpha,4n+2p$)	MT199 ($\alpha,3n+2p+\alpha$) or MT5 (Co58 production)	29-Cu-65 MT4 (α,n) >>



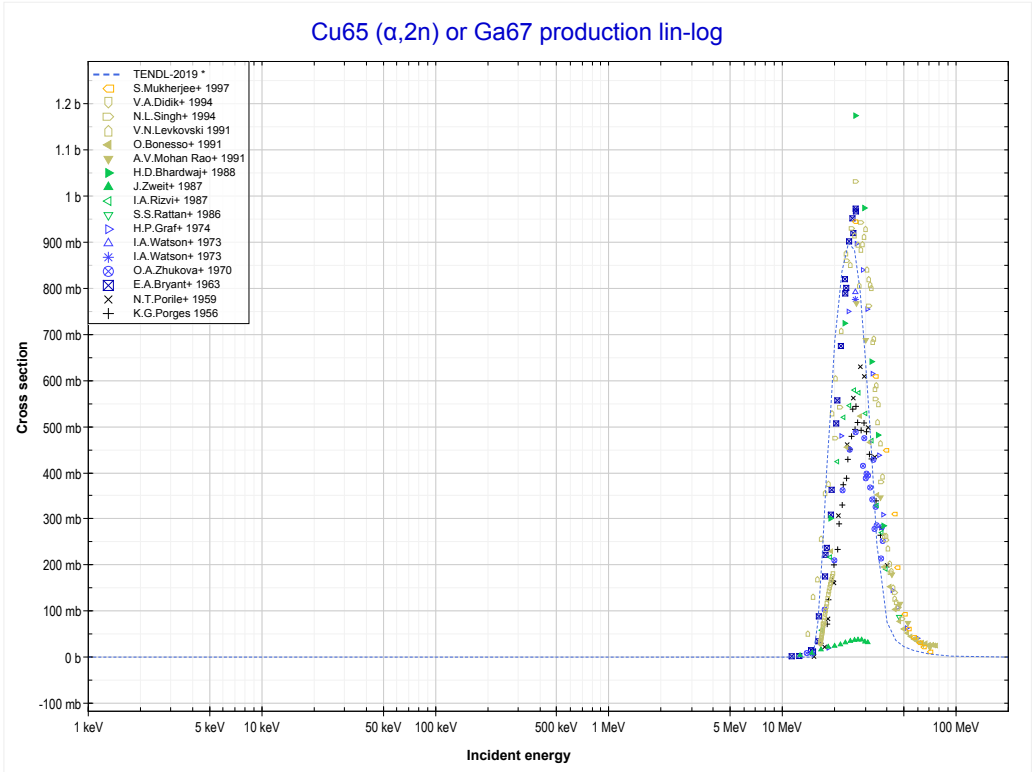
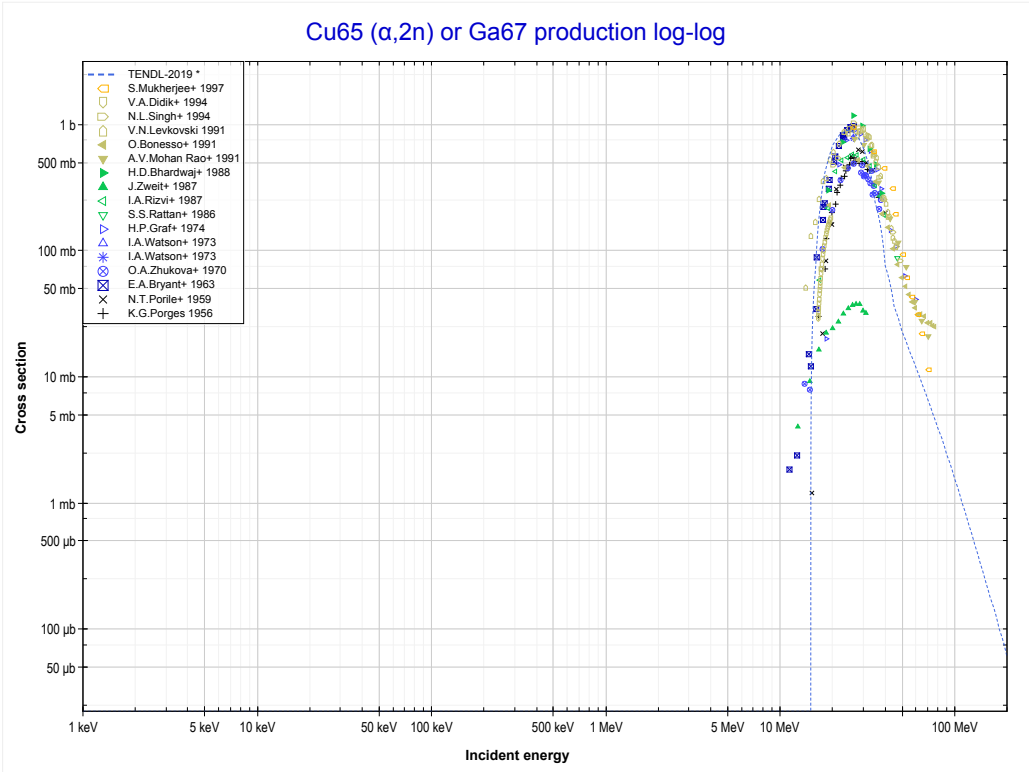
Reaction	Q-Value	Reaction	Q-Value
Cu63($\alpha,n+2\alpha$)Co58	-16228.83 keV	Cu63($\alpha,p+d+2t$)Co58	-53632.00 keV
Cu63($\alpha,d+t+\alpha$)Co58	-33818.13 keV	Cu63($\alpha,n+d+t+He3$)Co58	-54395.75 keV
Cu63($\alpha,n+p+t+\alpha$)Co58	-36042.70 keV	Cu63($\alpha,n+2p+2t$)Co58	-55856.56 keV
Cu63($\alpha,2n+He3+\alpha$)Co58	-36806.45 keV	Cu63($\alpha,2n+p+t+He3$)Co58	-56620.32 keV
Cu63($\alpha,n+2d+\alpha$)Co58	-40075.36 keV	Cu63($\alpha,3n+2He3$)Co58	-57384.07 keV
Cu63($\alpha,2n+p+d+\alpha$)Co58	-42299.93 keV	Cu63($\alpha,3d+t$)Co58	-57664.66 keV
Cu63($\alpha,3n+2p+\alpha$)Co58	-44524.49 keV	Cu63($\alpha,n+p+2d+t$)Co58	-59889.23 keV
Cu63($\alpha,2t+He3$)Co58	-48138.52 keV	Cu63($\alpha,2n+2d+He3$)Co58	-60652.98 keV

<< 29-Cu-63	29-Cu-65	30-Zn-64 >>
<< 29-Cu-63 MT199 ($\alpha,3n+2p+\alpha$)	MT4 (α,n) or MT5 (Ga68 production)	MT16 ($\alpha,2n$) >>



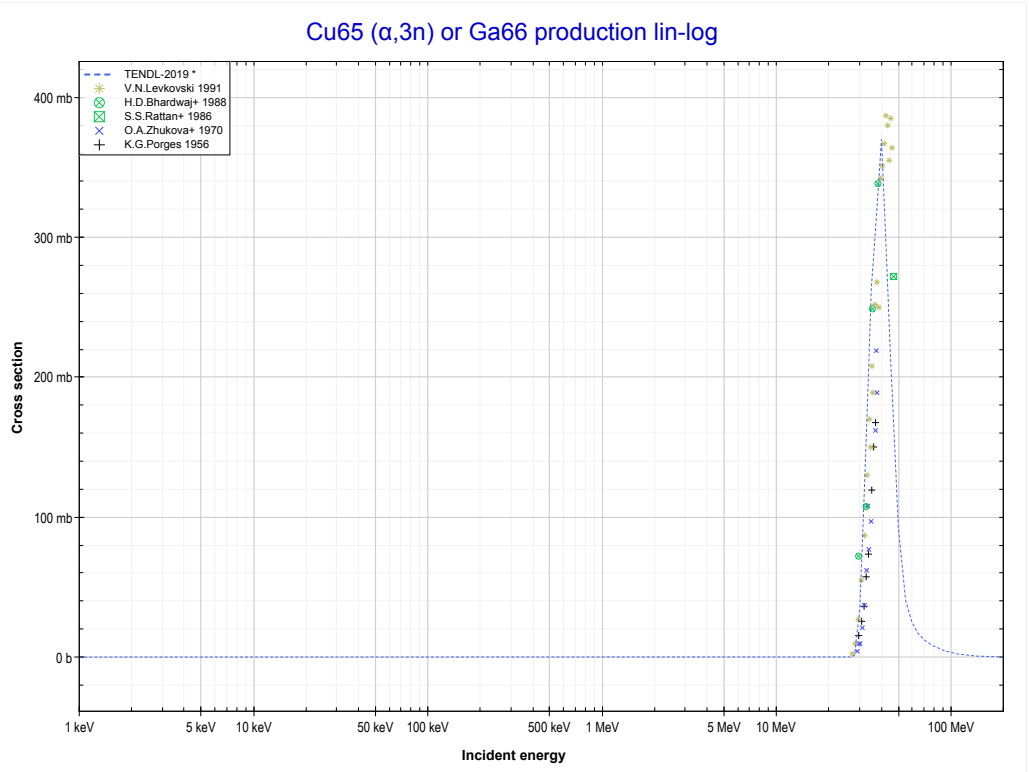
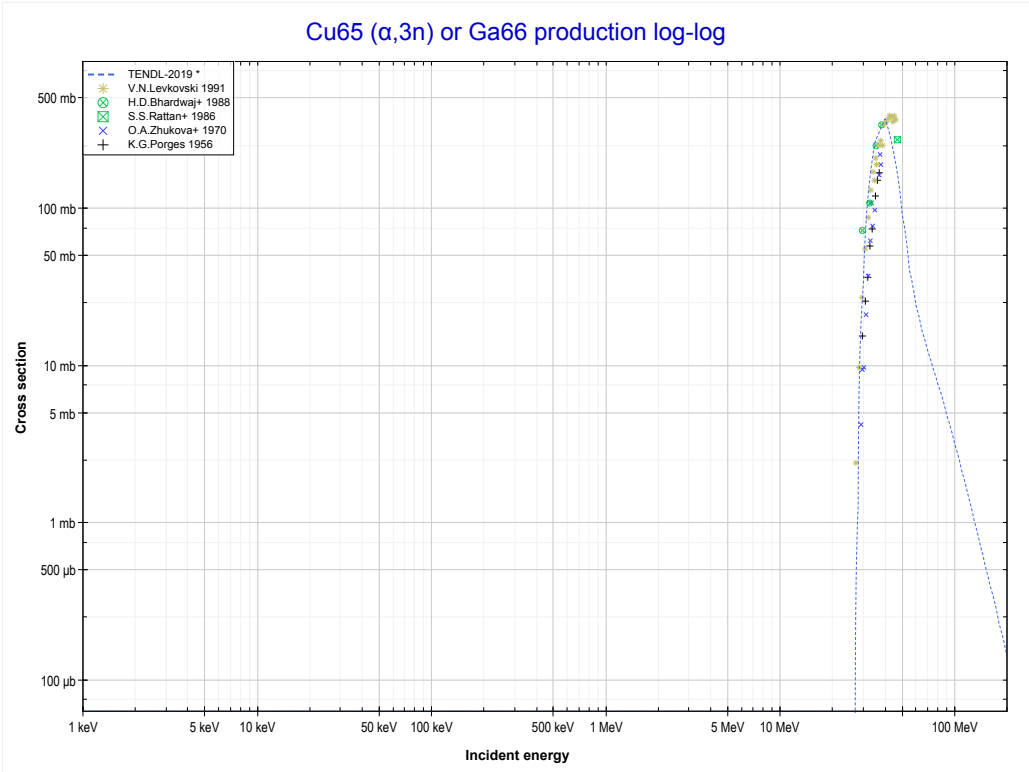
Reaction	Q-Value
Cu65(α,n)Ga68	-5824.10 keV

<< 29-Cu-63	29-Cu-65	30-Zn-64 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Ga67 production)	MT17 (α,3n) >>



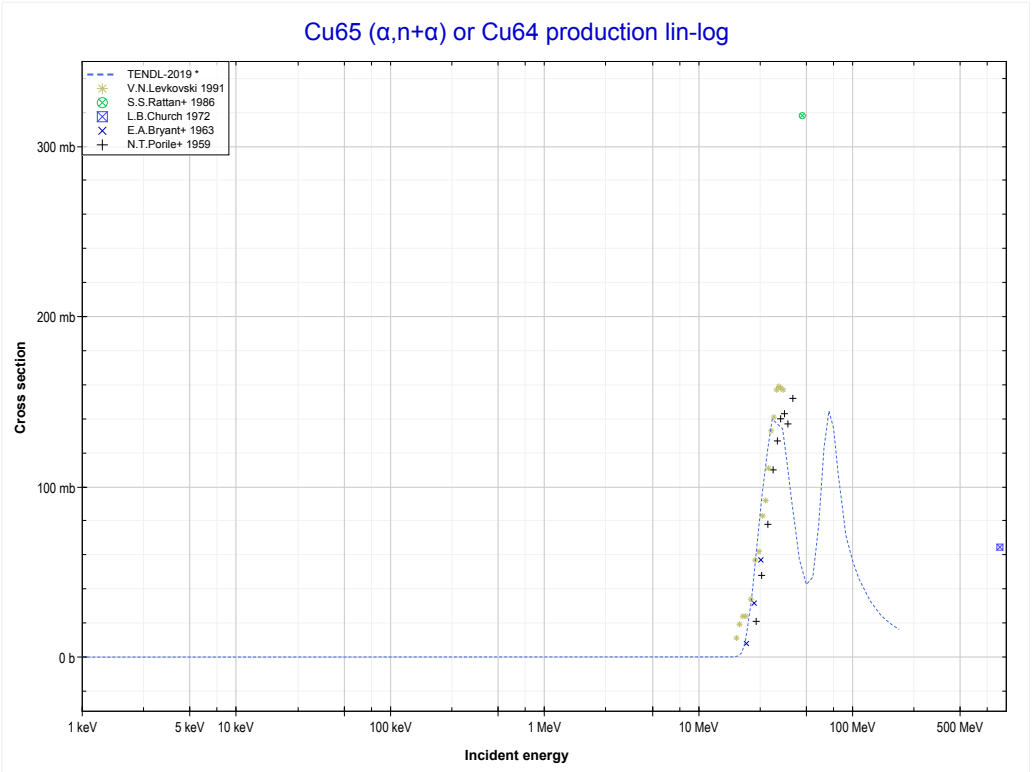
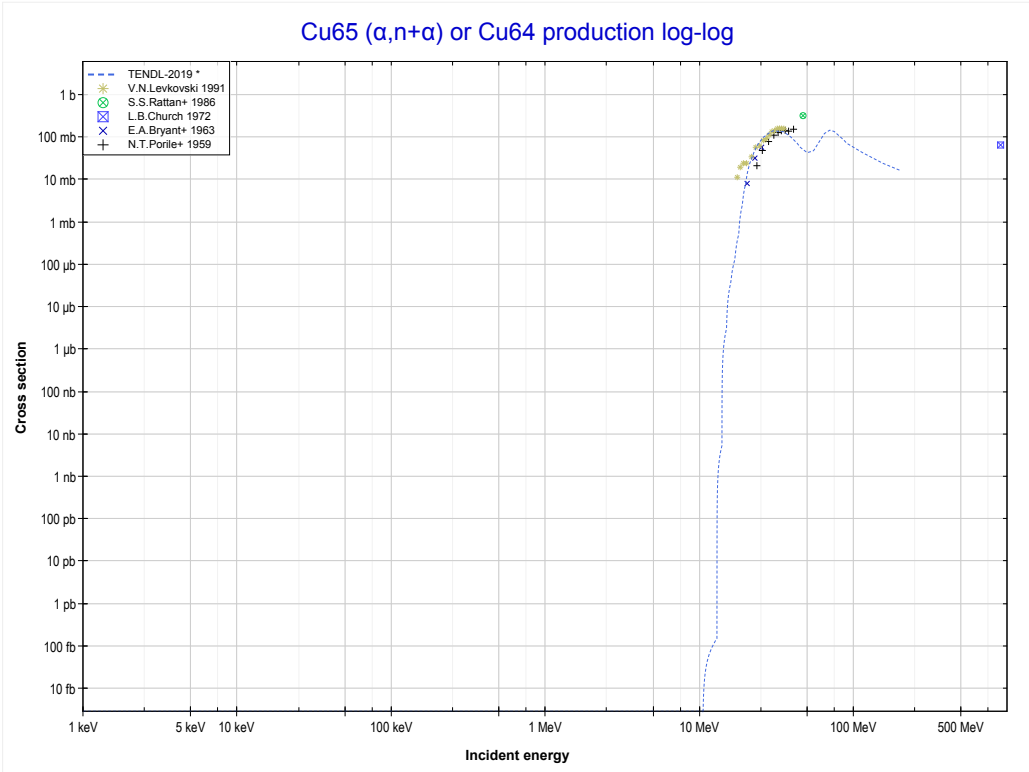
Reaction	Q-Value
Cu65(α,2n)Ga67	-14102.42 keV

<< 28-Ni-64	29-Cu-65	30-Zn-64 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Ga66 production)	MT22 ($\alpha,n+\alpha$) >>



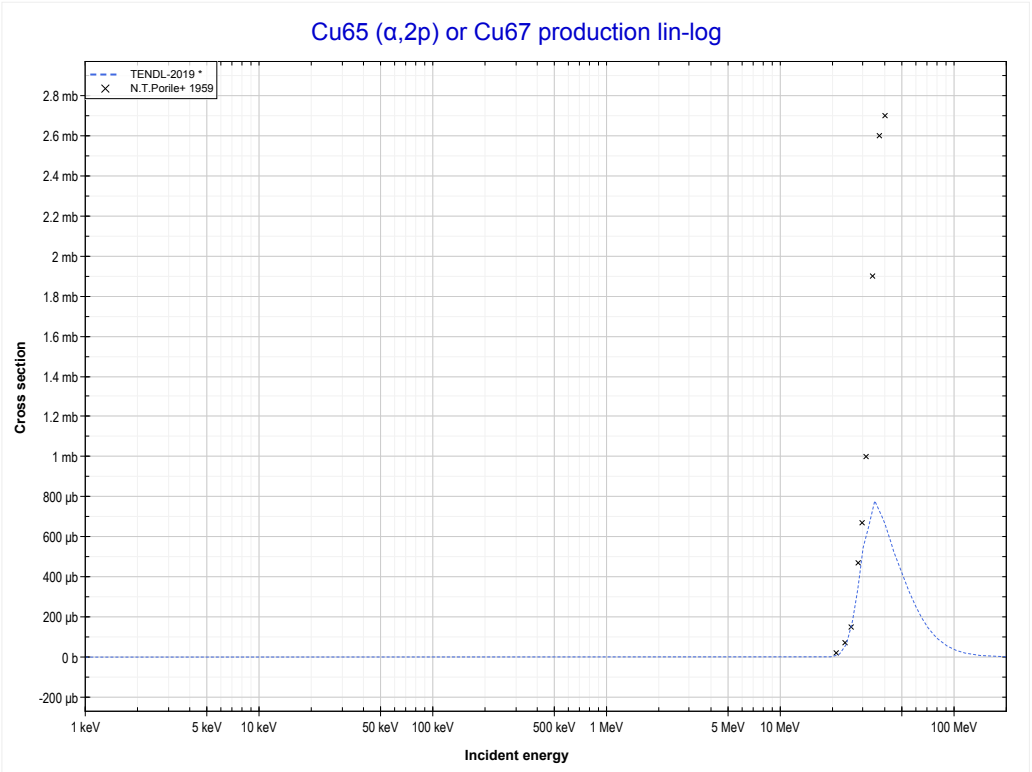
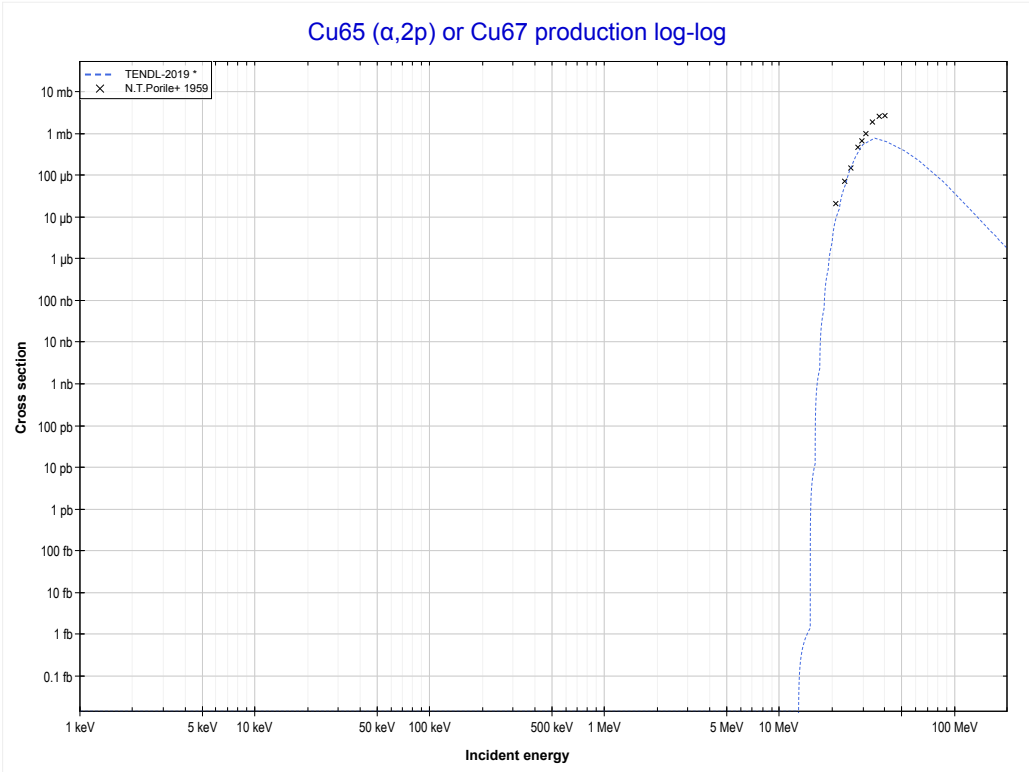
Reaction	Q-Value
Cu65($\alpha,3n$)Ga66	-25329.04 keV

<< 29-Cu-63	29-Cu-65	30-Zn-64 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Cu64 production)	MT111 (α,2p) >>



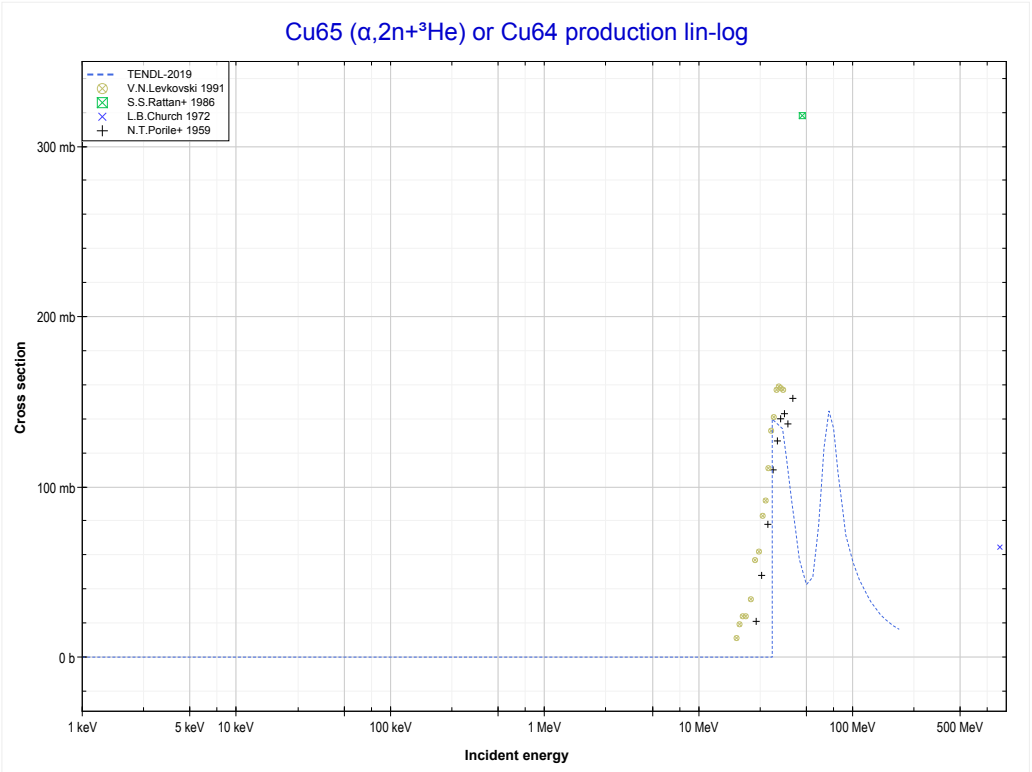
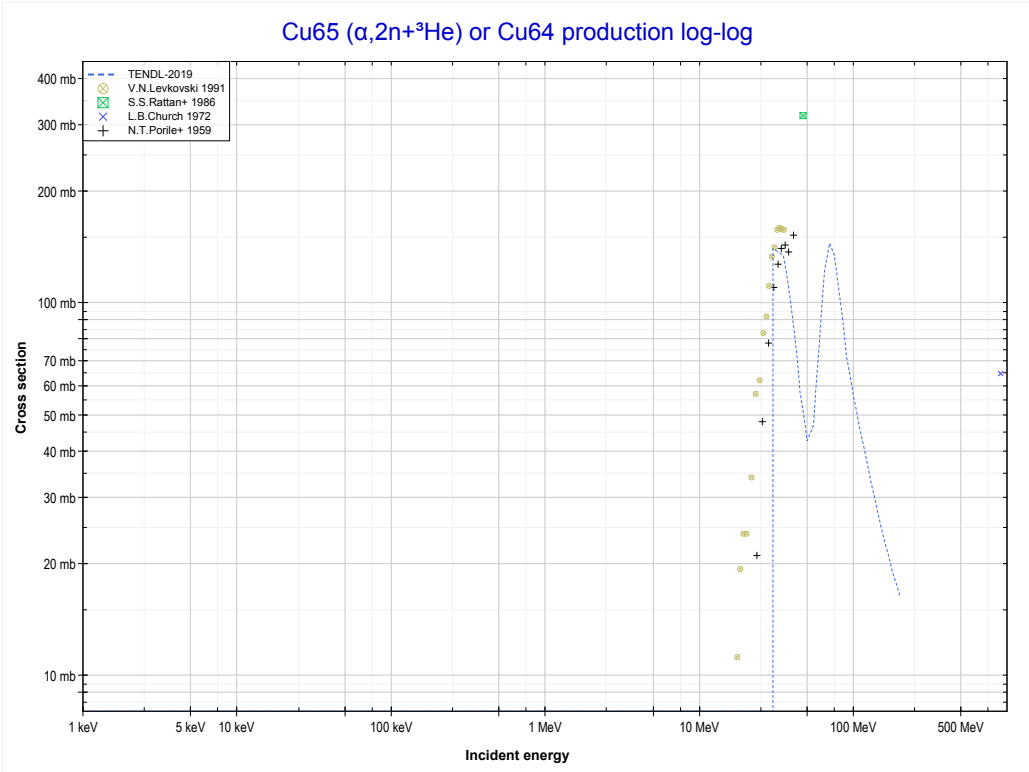
Reaction	Q-Value
Cu65(α,n+α)Cu64	-9910.52 keV
Cu65(α,d+t)Cu64	-27499.82 keV
Cu65(α,n+p+t)Cu64	-29724.38 keV
Cu65(α,2n+He3)Cu64	-30488.14 keV
Cu65(α,n+2d)Cu64	-33757.04 keV
Cu65(α,2n+p+d)Cu64	-35981.61 keV
Cu65(α,3n+2p)Cu64	-38206.18 keV

<< 27-Co-59	29-Cu-65	30-Zn-70 >>
<< MT22 ($\alpha,n+\alpha$)	MT111 ($\alpha,2p$) or MT5 (Cu67 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



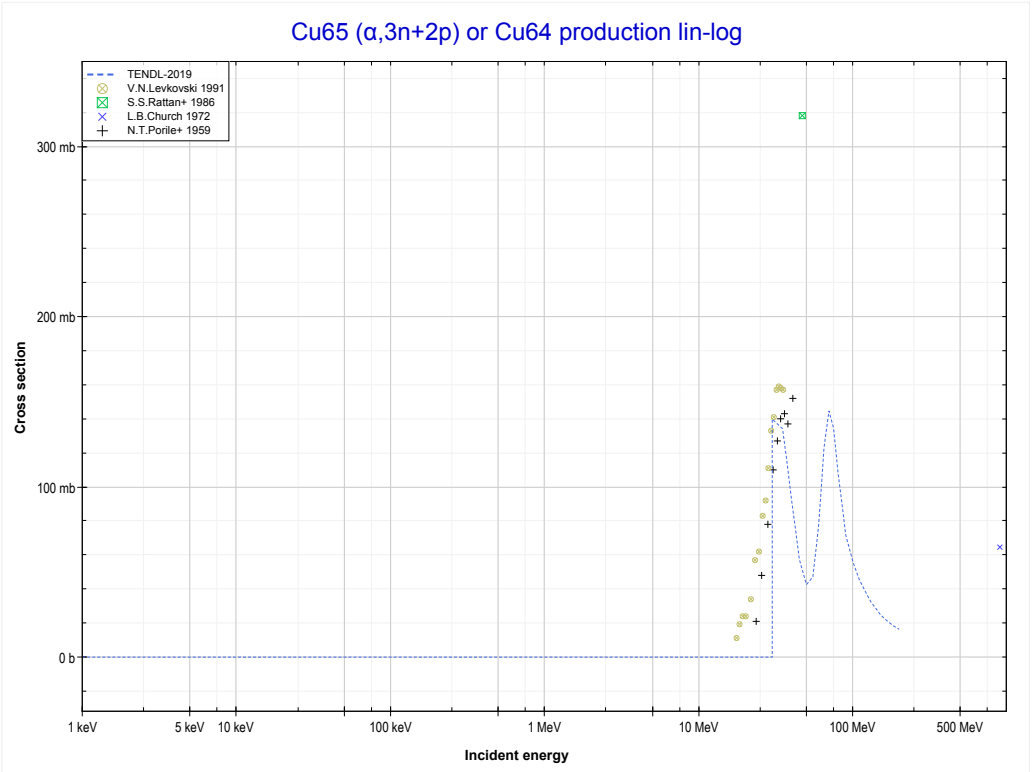
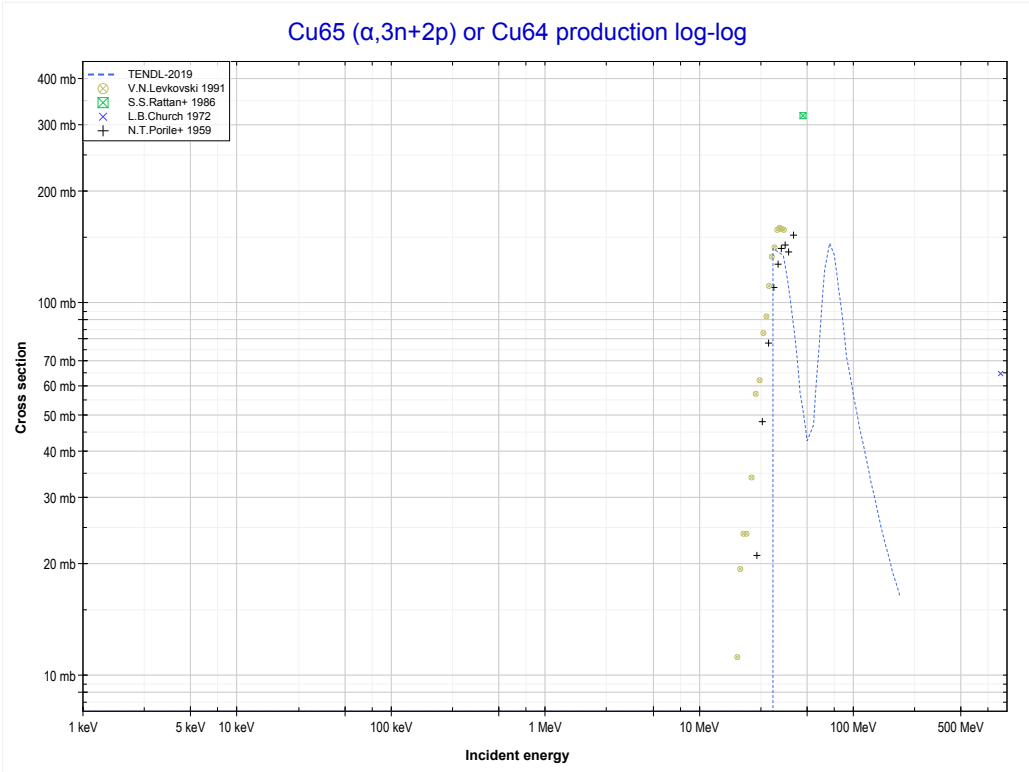
Reaction	Q-Value
Cu65($\alpha,2p$)Cu67	-12097.23 keV

<< 29-Cu-63	29-Cu-65	30-Zn-64 >>
<< MT111 ($\alpha,2p$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Cu64 production)	MT179 ($\alpha,3n+2p$) >>



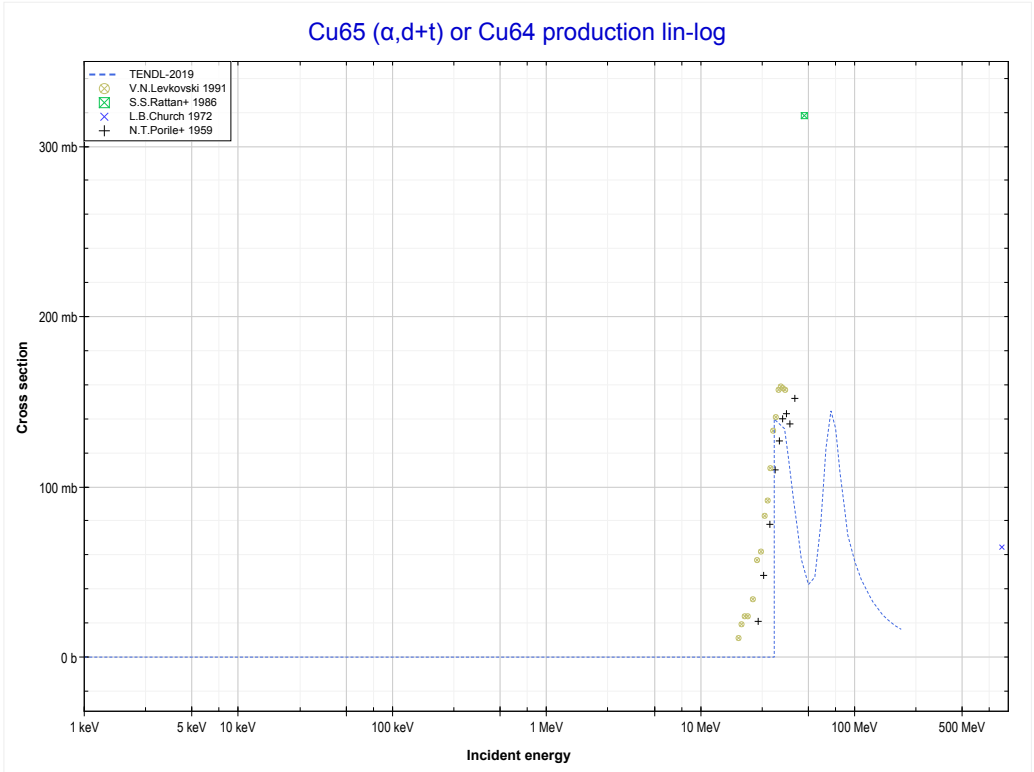
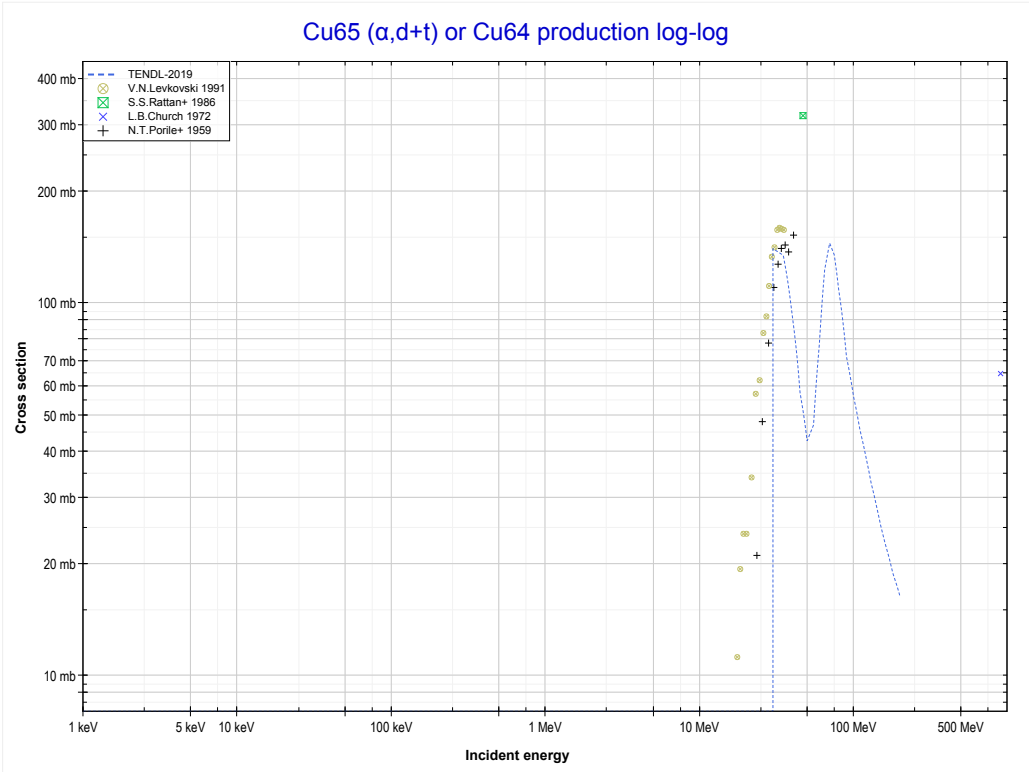
Reaction	Q-Value
Cu65($\alpha,n+\alpha$)Cu64	-9910.52 keV
Cu65($\alpha,d+t$)Cu64	-27499.82 keV
Cu65($\alpha,n+p+t$)Cu64	-29724.38 keV
Cu65($\alpha,2n+\text{He3}$)Cu64	-30488.14 keV
Cu65($\alpha,n+2d$)Cu64	-33757.04 keV
Cu65($\alpha,2n+p+d$)Cu64	-35981.61 keV
Cu65($\alpha,3n+2p$)Cu64	-38206.18 keV

<< 29-Cu-63	29-Cu-65	30-Zn-64 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Cu64 production)	MT182 ($\alpha,d+t$) >>



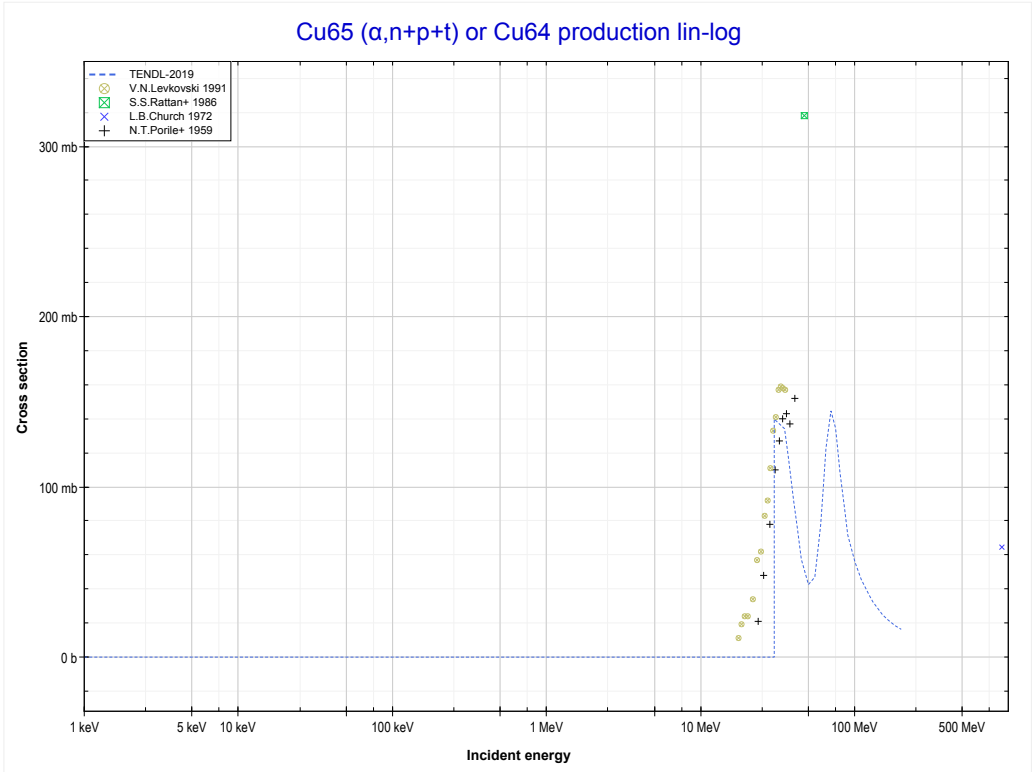
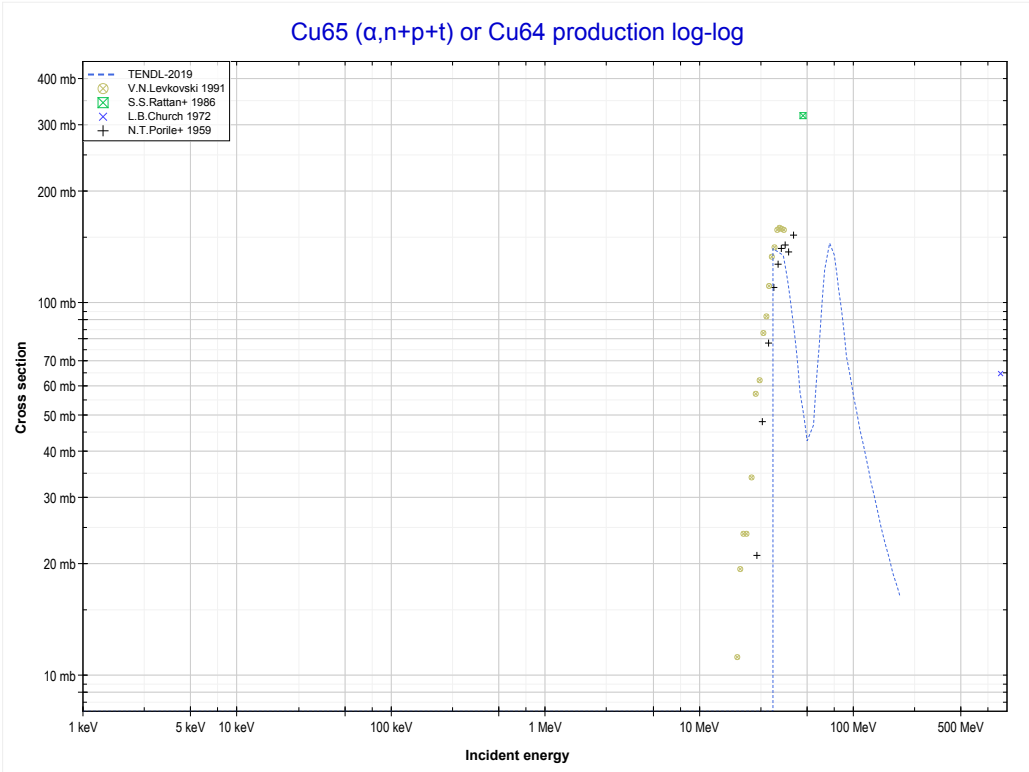
Reaction	Q-Value
Cu65($\alpha,n+\alpha$)Cu64	-9910.52 keV
Cu65($\alpha,d+t$)Cu64	-27499.82 keV
Cu65($\alpha,n+p+t$)Cu64	-29724.38 keV
Cu65($\alpha,2n+\text{He3}$)Cu64	-30488.14 keV
Cu65($\alpha,n+2d$)Cu64	-33757.04 keV
Cu65($\alpha,2n+p+d$)Cu64	-35981.61 keV
Cu65($\alpha,3n+2p$)Cu64	-38206.18 keV

<< 29-Cu-63	29-Cu-65	30-Zn-64 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Cu64 production)	MT184 ($\alpha,n+p+t$) >>



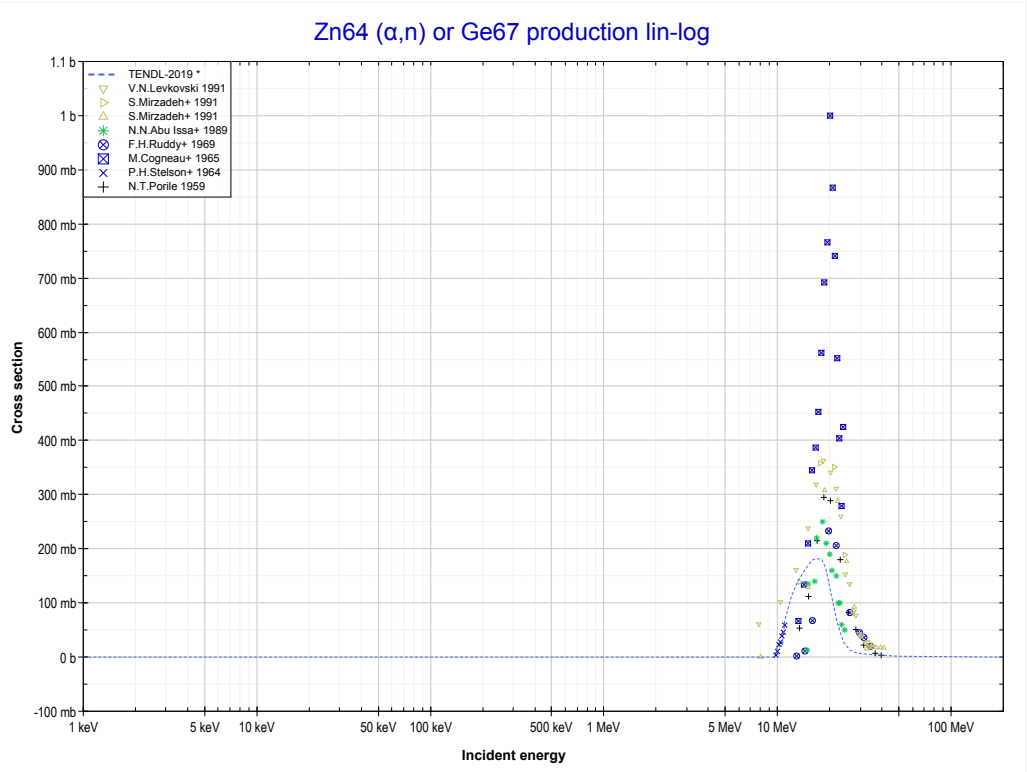
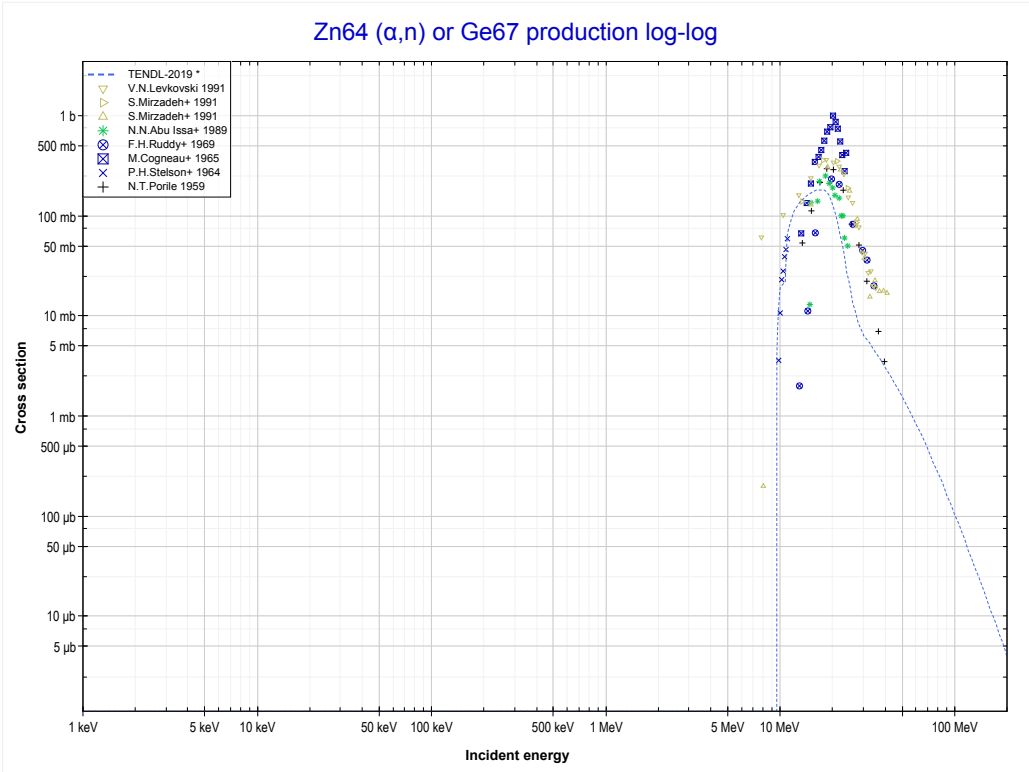
Reaction	Q-Value
Cu65($\alpha,n+\alpha$)Cu64	-9910.52 keV
Cu65($\alpha,d+t$)Cu64	-27499.82 keV
Cu65($\alpha,n+p+t$)Cu64	-29724.38 keV
Cu65($\alpha,2n+He3$)Cu64	-30488.14 keV
Cu65($\alpha,n+2d$)Cu64	-33757.04 keV
Cu65($\alpha,2n+p+d$)Cu64	-35981.61 keV
Cu65($\alpha,3n+2p$)Cu64	-38206.18 keV

<< 29-Cu-63	29-Cu-65	30-Zn-64 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Cu64 production)	30-Zn-64 MT4 (α,n) >>



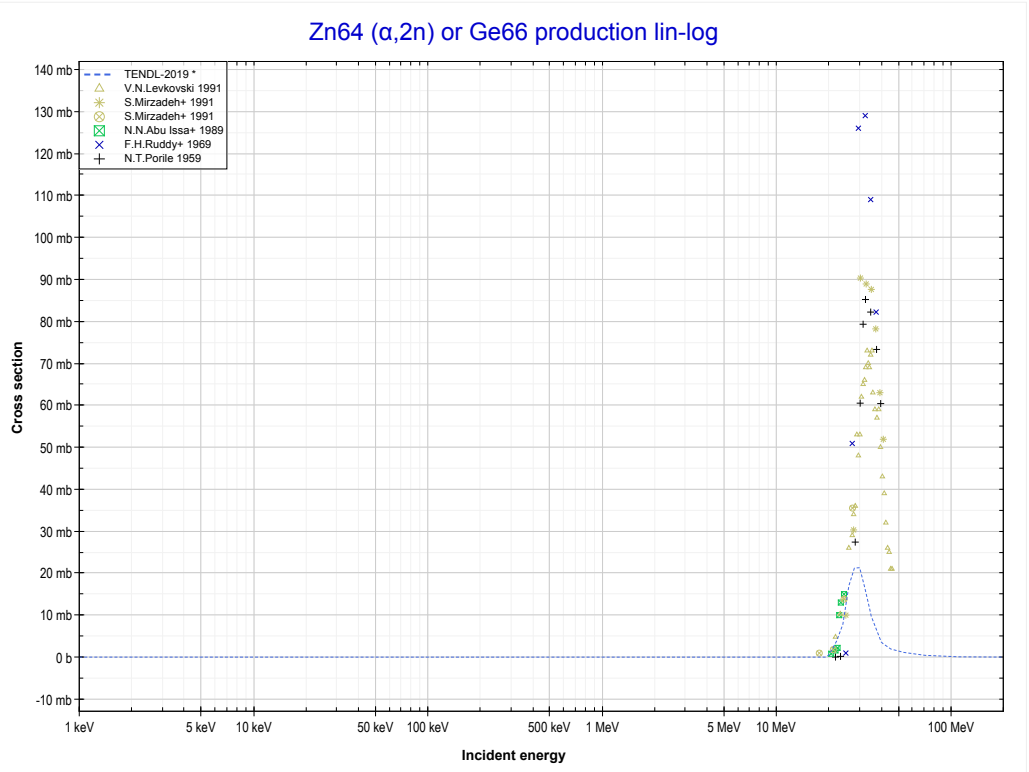
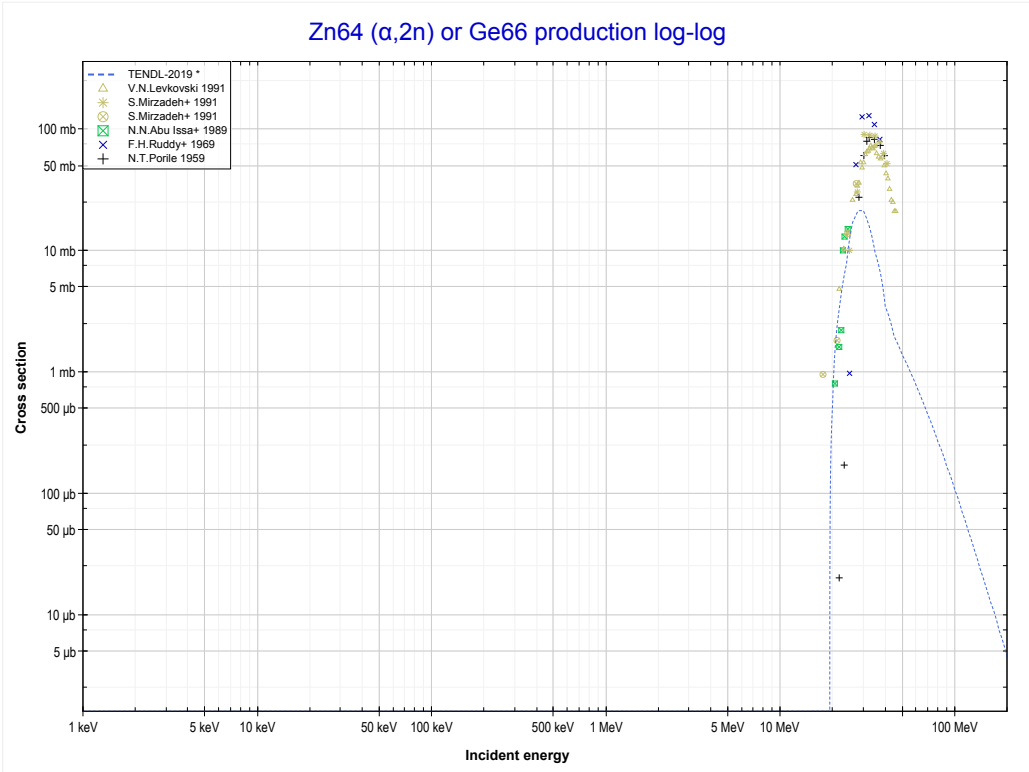
Reaction	Q-Value
Cu65(α,n+α)Cu64	-9910.52 keV
Cu65(α,d+t)Cu64	-27499.82 keV
Cu65(α,n+p+t)Cu64	-29724.38 keV
Cu65(α,2n+He3)Cu64	-30488.14 keV
Cu65(α,n+2d)Cu64	-33757.04 keV
Cu65(α,2n+p+d)Cu64	-35981.61 keV
Cu65(α,3n+2p)Cu64	-38206.18 keV

<< 29-Cu-65	30-Zn-64	30-Zn-66 >>
<< 29-Cu-65 MT184 (α,n+p+t)	MT4 (α,n) or MT5 (Ge67 production)	MT16 (α,2n) >>



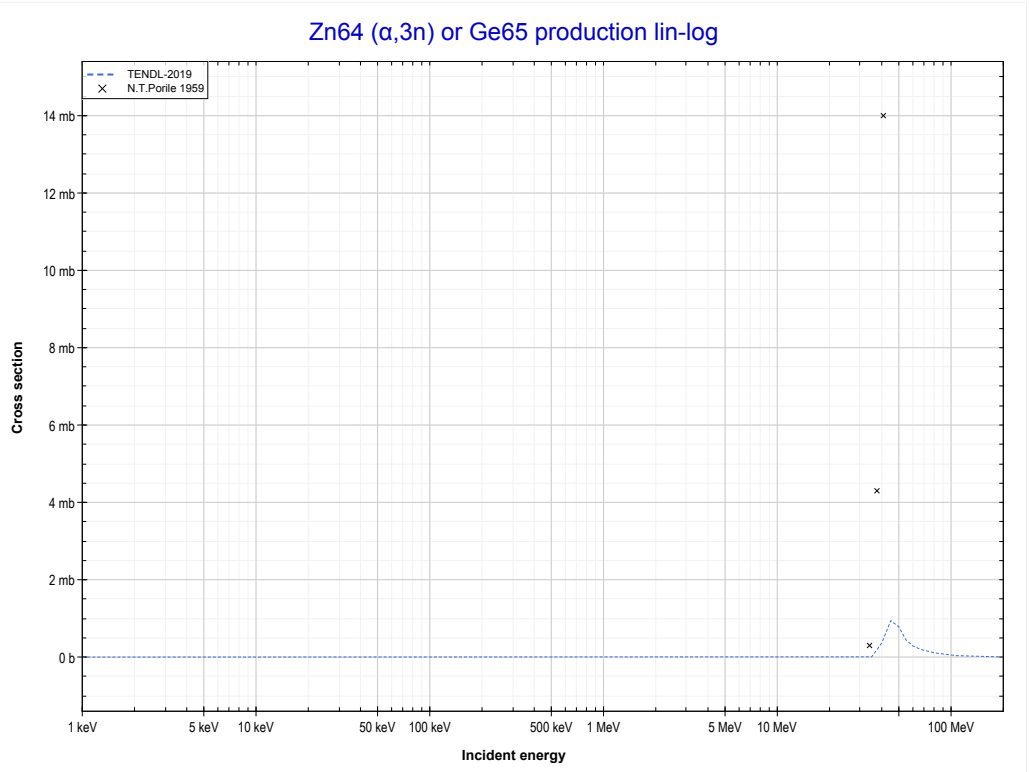
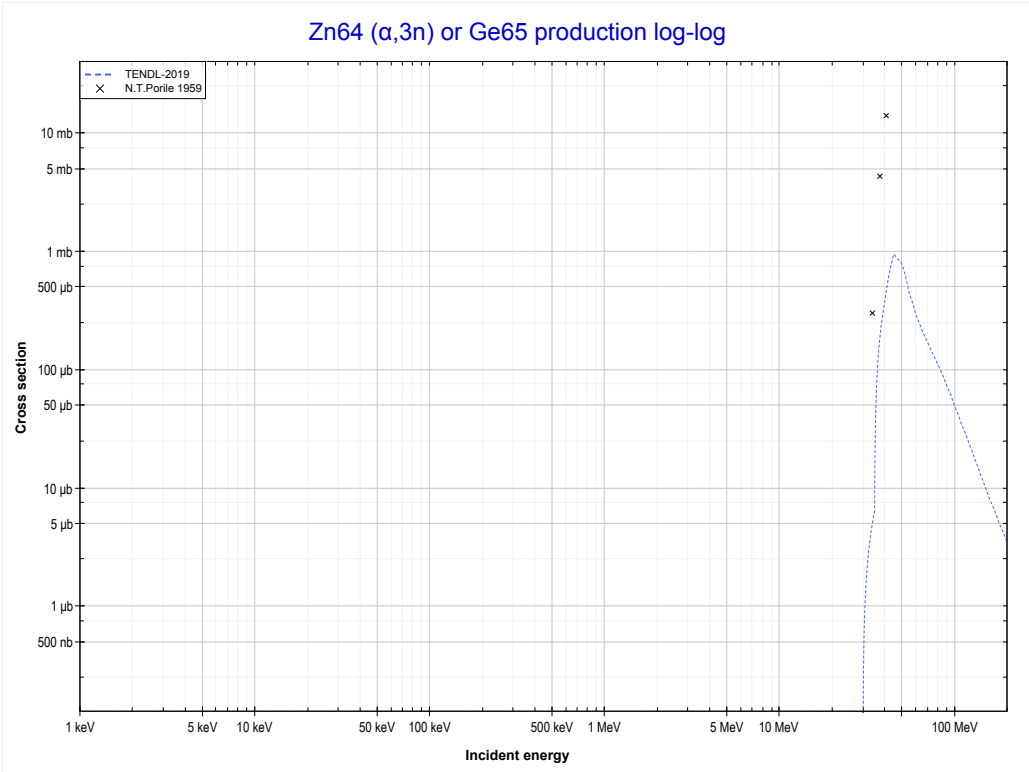
Reaction	Q-Value
Zn64(α,n)Ge67	-8992.40 keV

<< 29-Cu-65	30-Zn-64	30-Zn-66 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Ge66 production)	MT17 (α,3n) >>



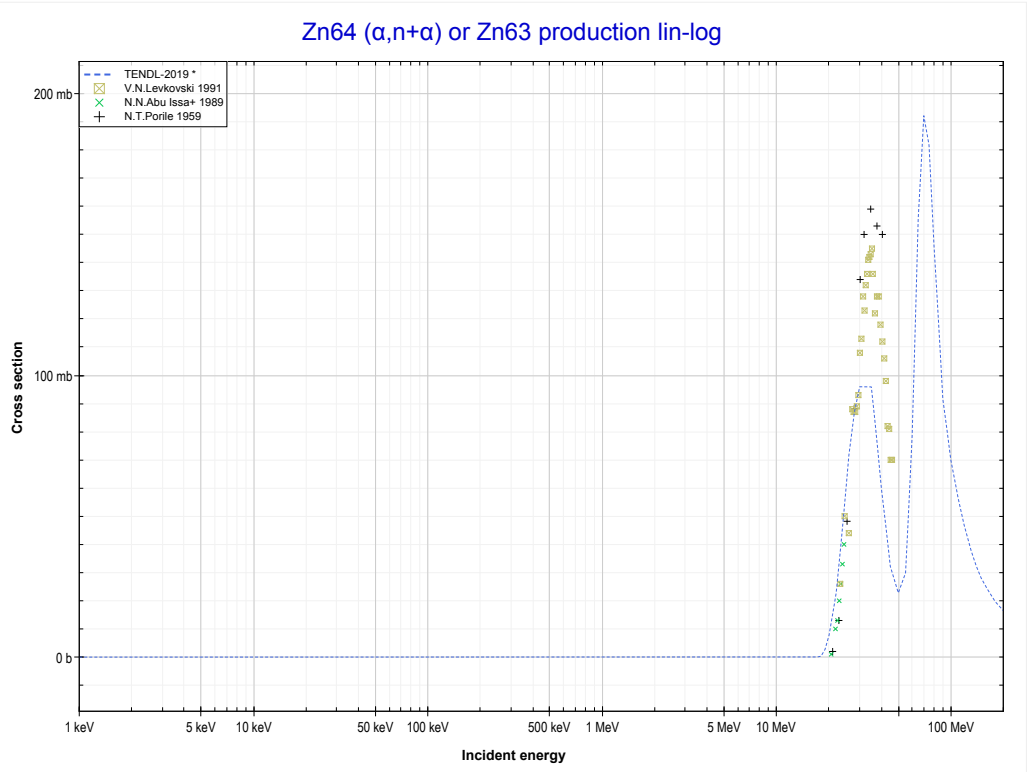
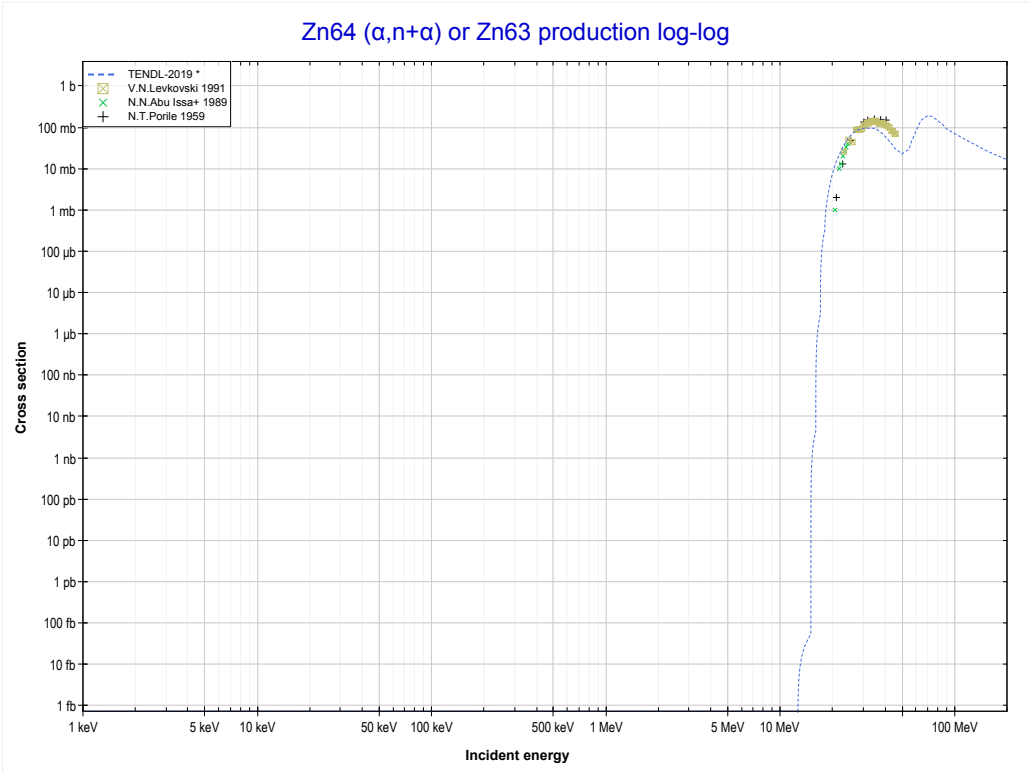
Reaction	Q-Value
Zn64(α,2n)Ge66	-18114.72 keV

<< 29-Cu-65	30-Zn-64	30-Zn-66 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Ge65 production)	MT22 ($\alpha,n+\alpha$) >>



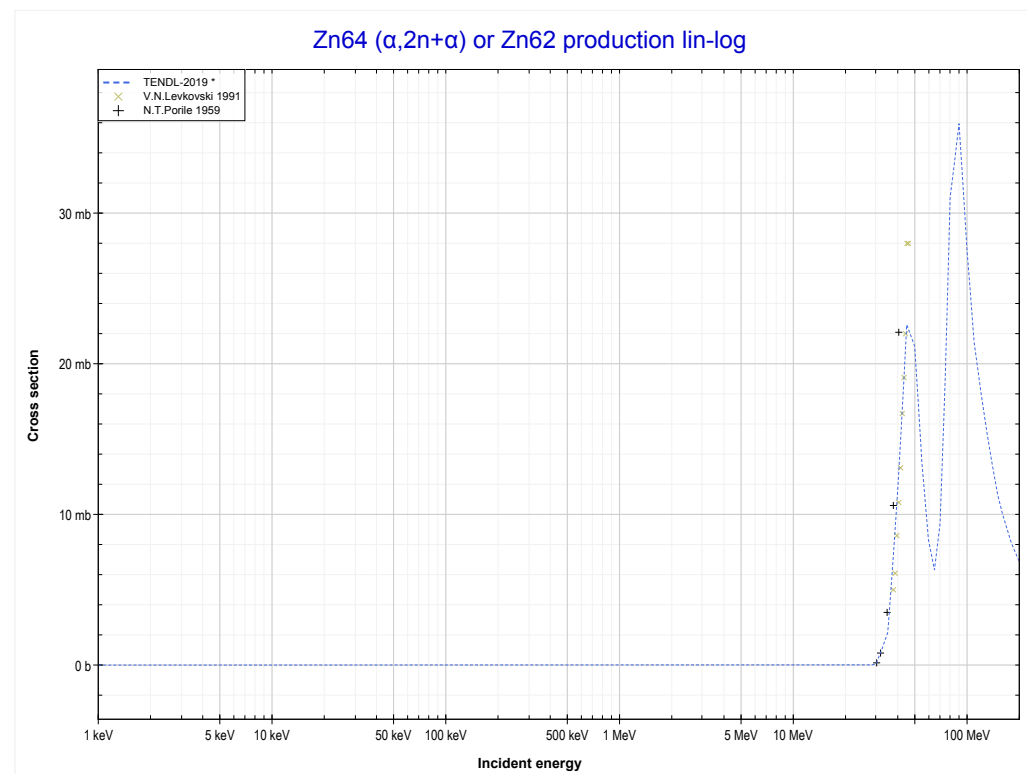
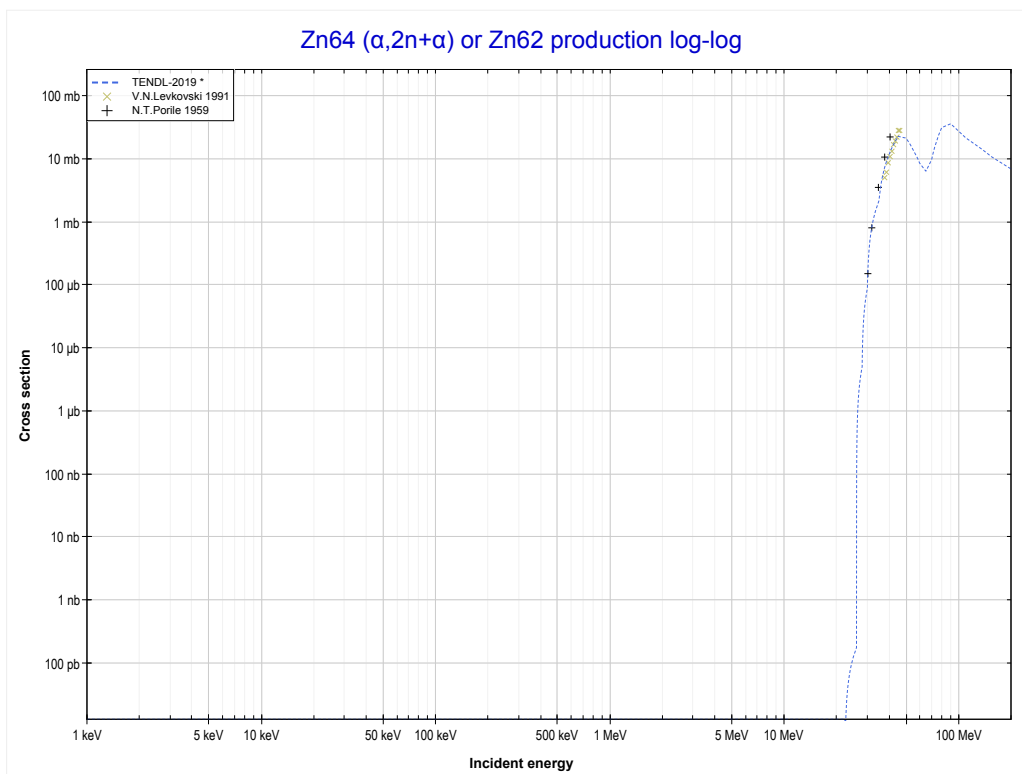
Reaction	Q-Value
Zn64($\alpha,3n$)Ge65	-31314.84 keV

<< 29-Cu-65	30-Zn-64	30-Zn-66 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Zn63 production)	MT24 (α,2n+α) >>



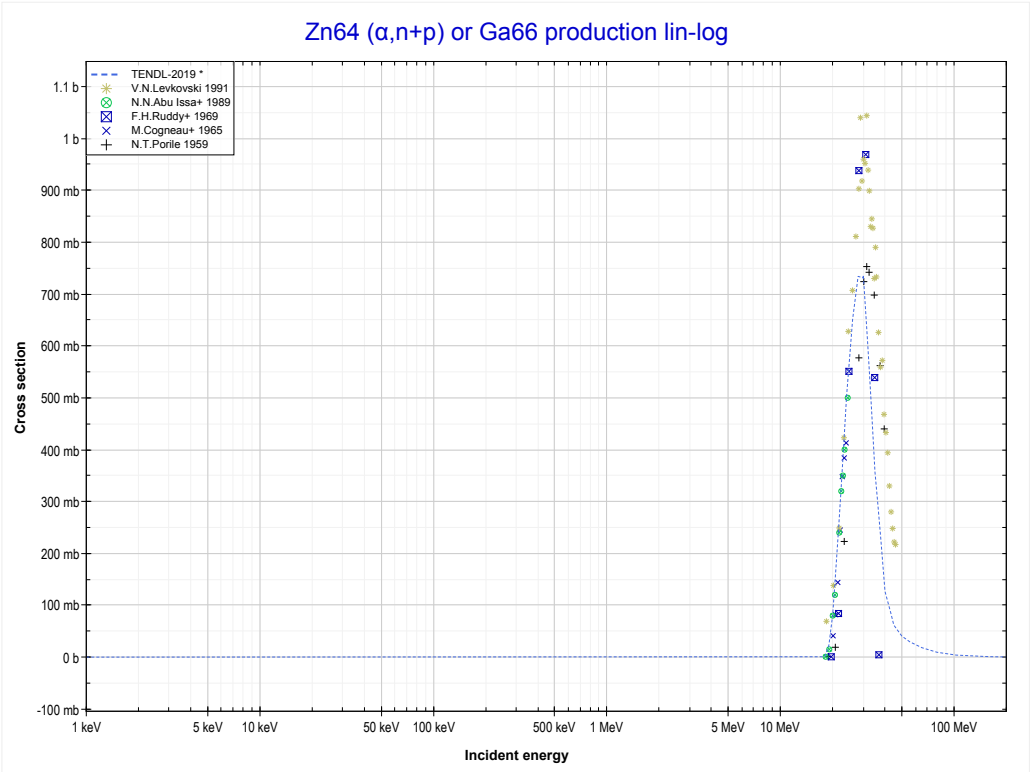
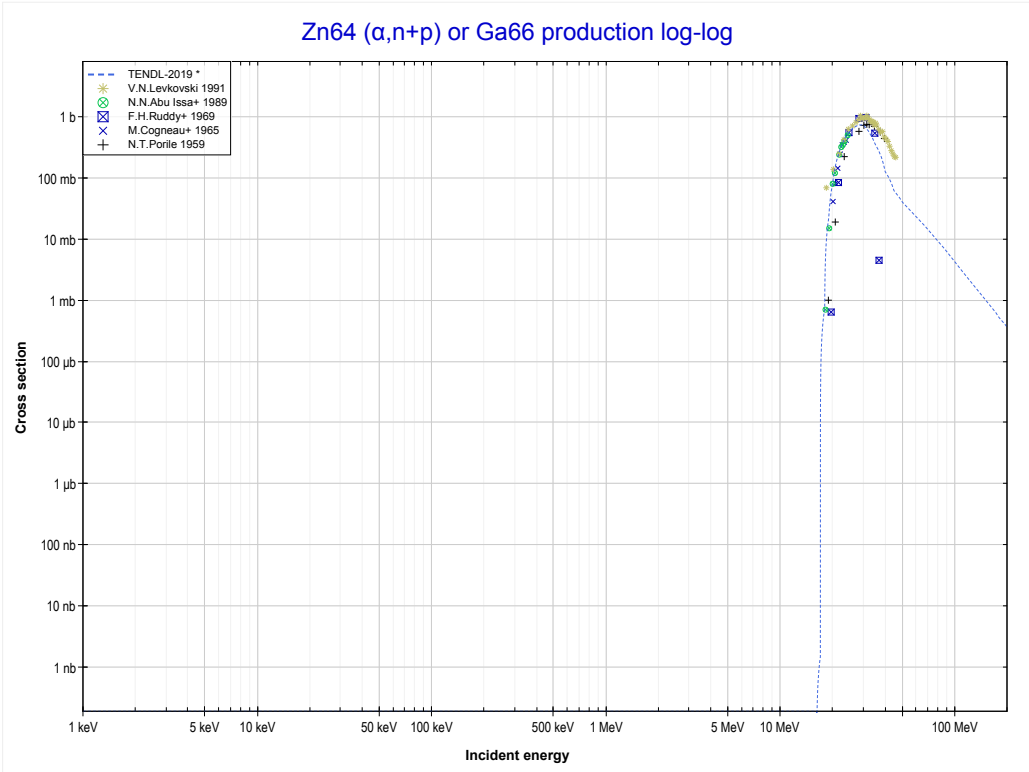
Reaction	Q-Value
Zn64(α,n+α)Zn63	-11861.92 keV
Zn64(α,d+t)Zn63	-29451.22 keV
Zn64(α,n+p+t)Zn63	-31675.78 keV
Zn64(α,2n+He3)Zn63	-32439.54 keV
Zn64(α,n+2d)Zn63	-35708.44 keV
Zn64(α,2n+p+d)Zn63	-37933.01 keV
Zn64(α,3n+2p)Zn63	-40157.58 keV

<< 29-Cu-63	30-Zn-64	30-Zn-67 >>
<< MT22 ($\alpha, n + \alpha$)	MT24 ($\alpha, 2n + \alpha$) or MT5 (Zn62 production)	MT28 ($\alpha, n + p$) >>



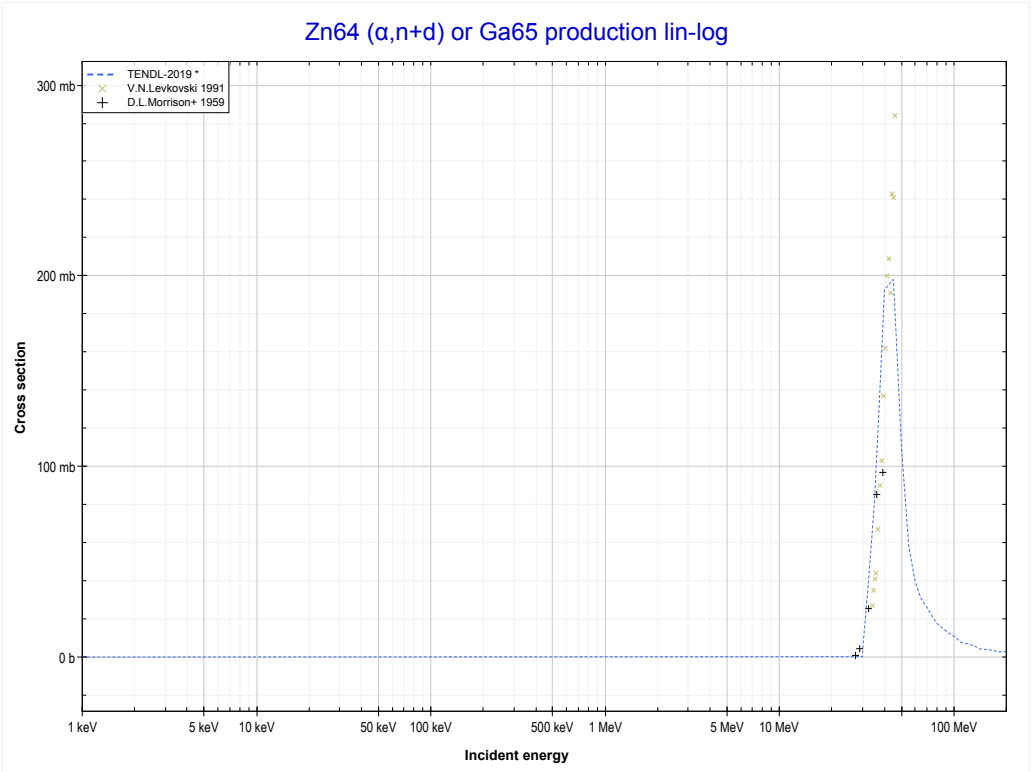
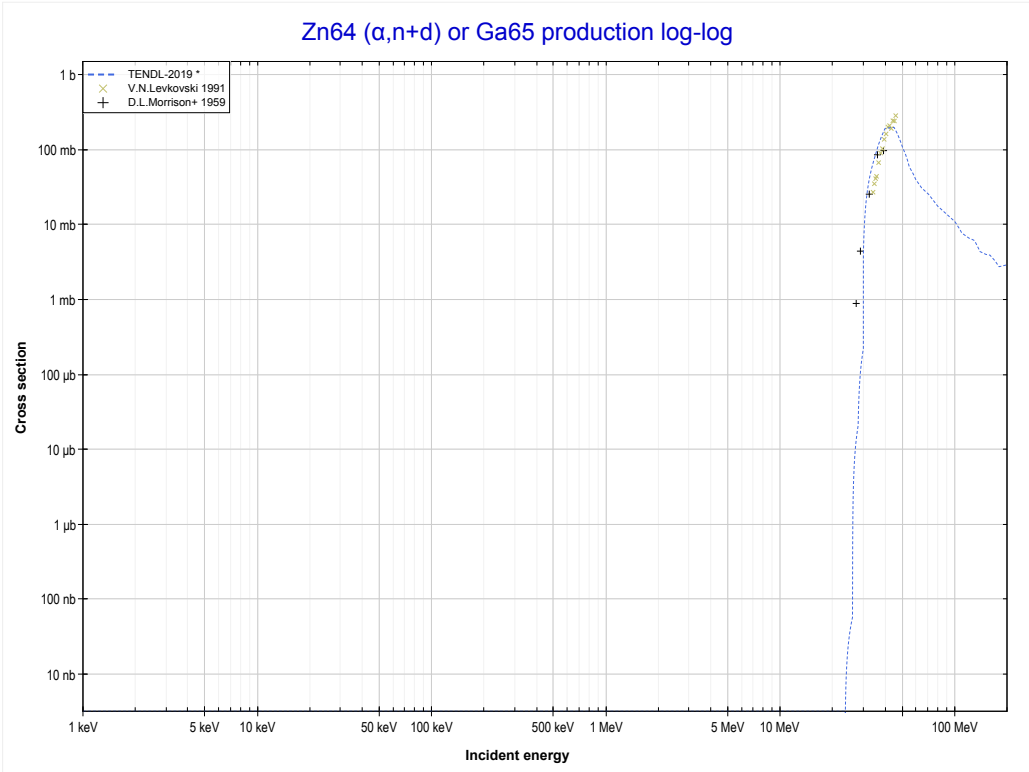
Reaction	Q-Value
Zn64($\alpha, 2n + \alpha$)Zn62	-20978.63 keV
Zn64($\alpha, 2t$)Zn62	-32310.70 keV
Zn64($\alpha, n + d + t$)Zn62	-38567.93 keV
Zn64($\alpha, 2n + p + t$)Zn62	-40792.50 keV
Zn64($\alpha, 3n + \text{He3}$)Zn62	-41556.25 keV
Zn64($\alpha, 2n + 2d$)Zn62	-44825.16 keV
Zn64($\alpha, 3n + p + d$)Zn62	-47049.73 keV
Zn64($\alpha, 4n + 2p$)Zn62	-49274.29 keV

<< 29-Cu-63	30-Zn-64	30-Zn-66 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Ga66 production)	MT32 ($\alpha,n+d$) >>



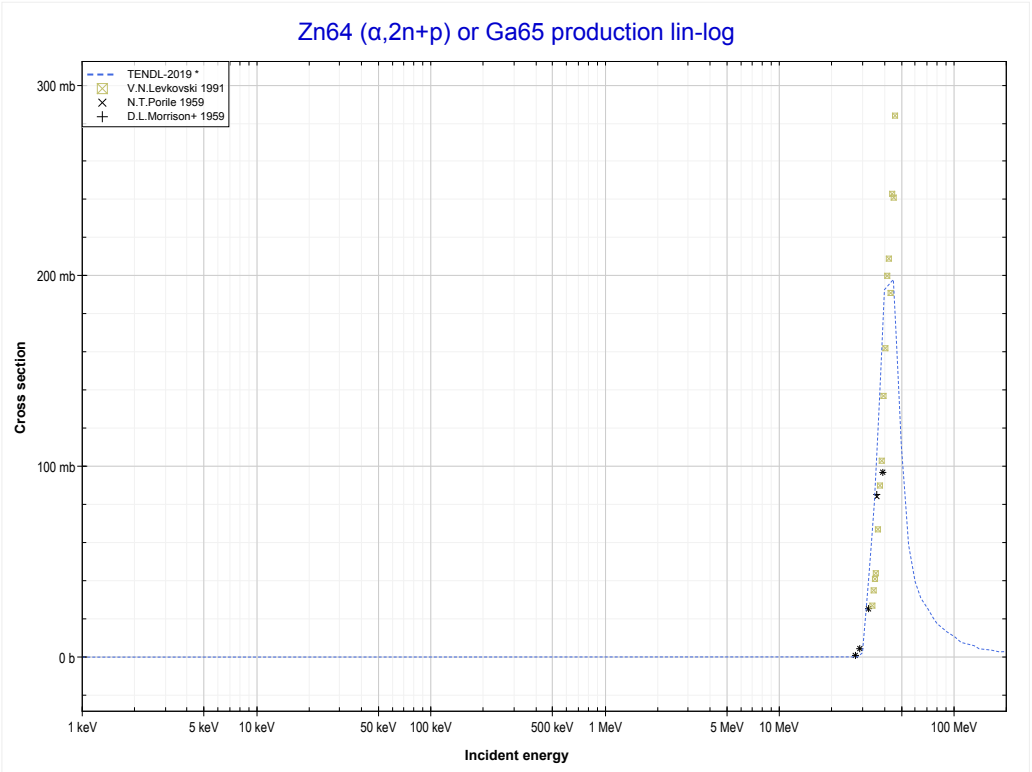
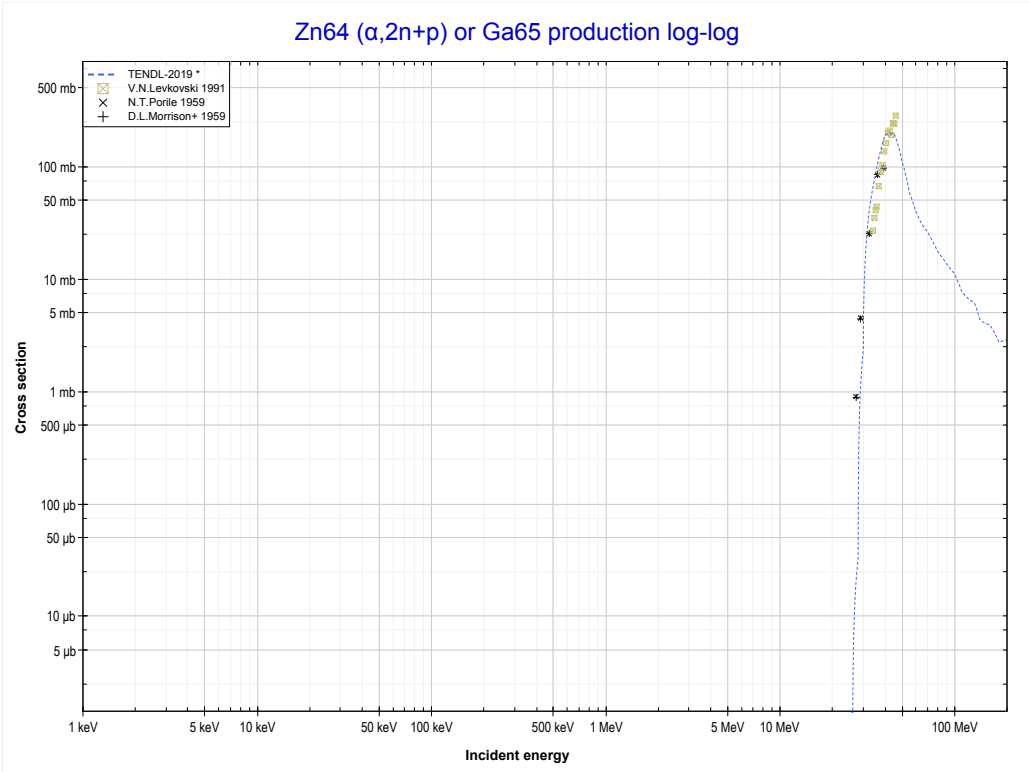
Reaction	Q-Value
Zn64(α,d)Ga66	-12991.11 keV
Zn64($\alpha,n+p$)Ga66	-15215.67 keV

<< 28-Ni-60	30-Zn-64	30-Zn-66 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Ga65 production)	MT41 (α,2n+p) >>



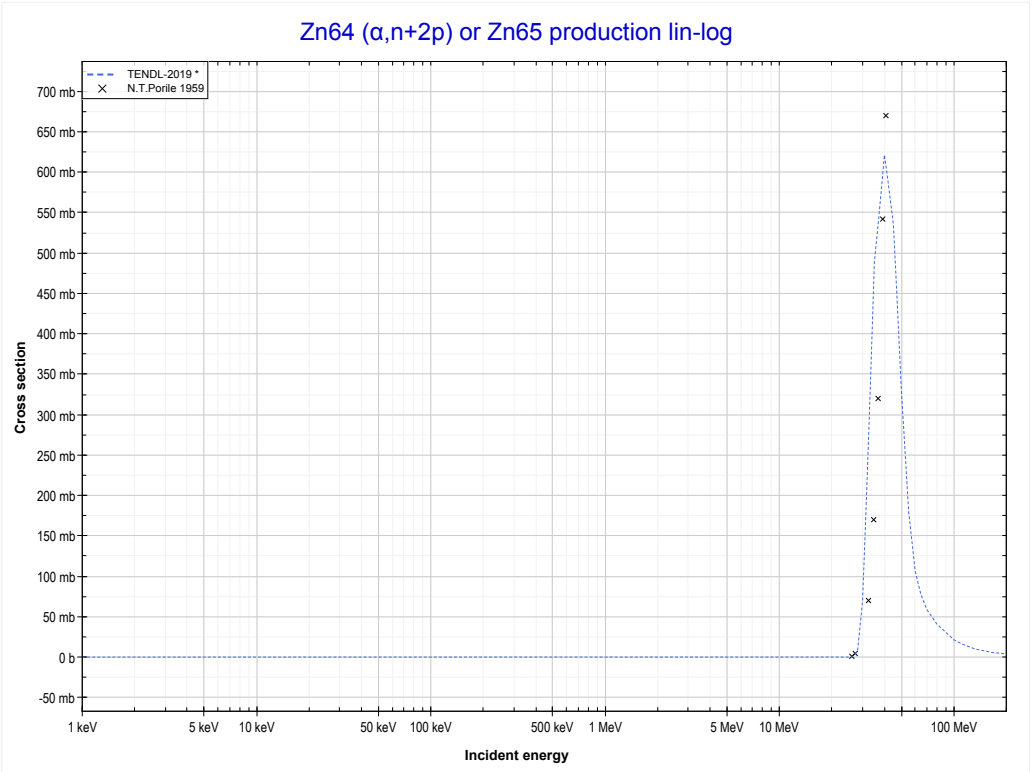
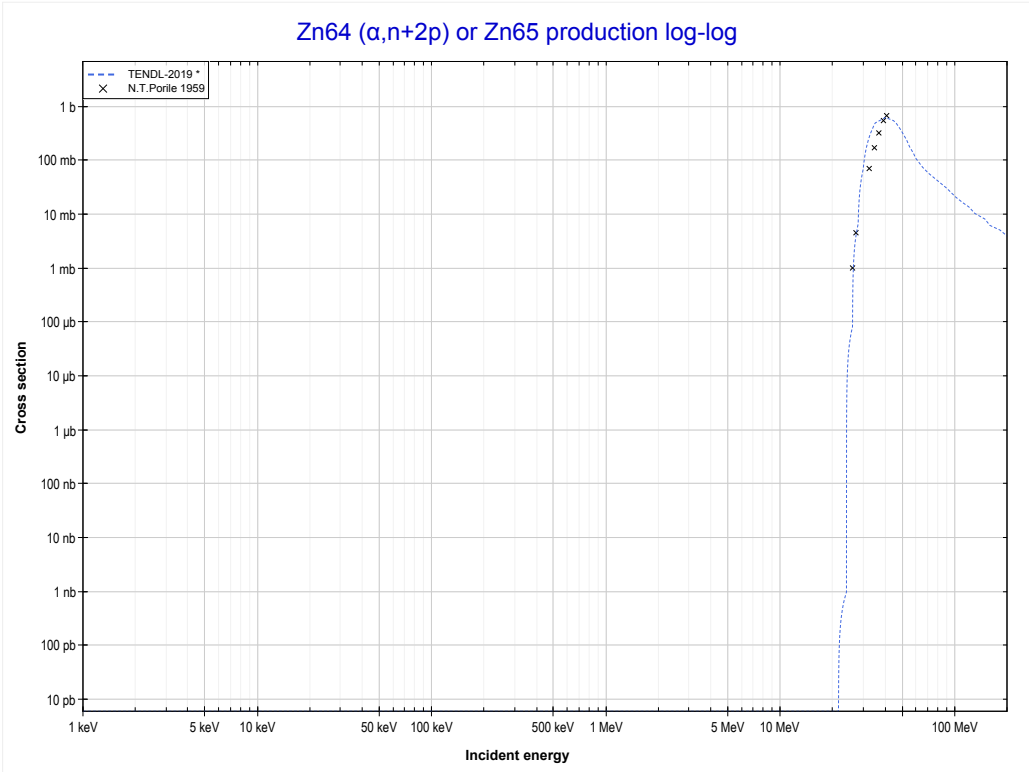
Reaction	Q-Value
Zn64(α,t)Ga65	-15871.39 keV
Zn64(α,n+d)Ga65	-22128.62 keV
Zn64(α,2n+p)Ga65	-24353.19 keV

<< 28-Ni-60	30-Zn-64	30-Zn-66 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Ga65 production)	MT44 (α,n+2p) >>



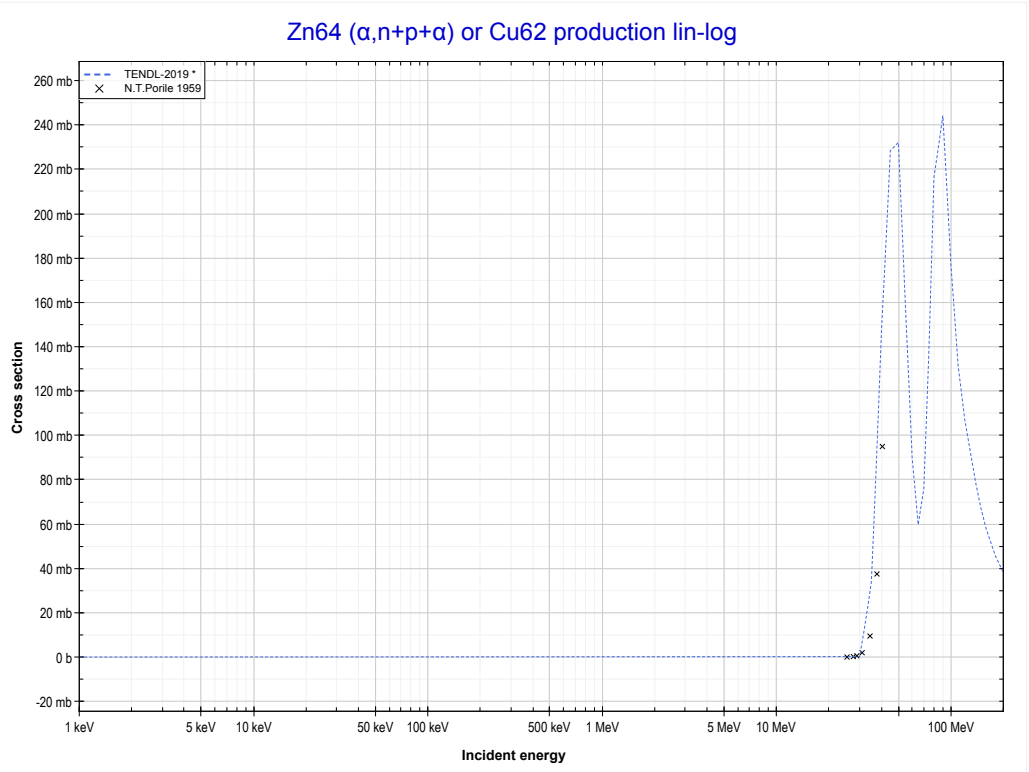
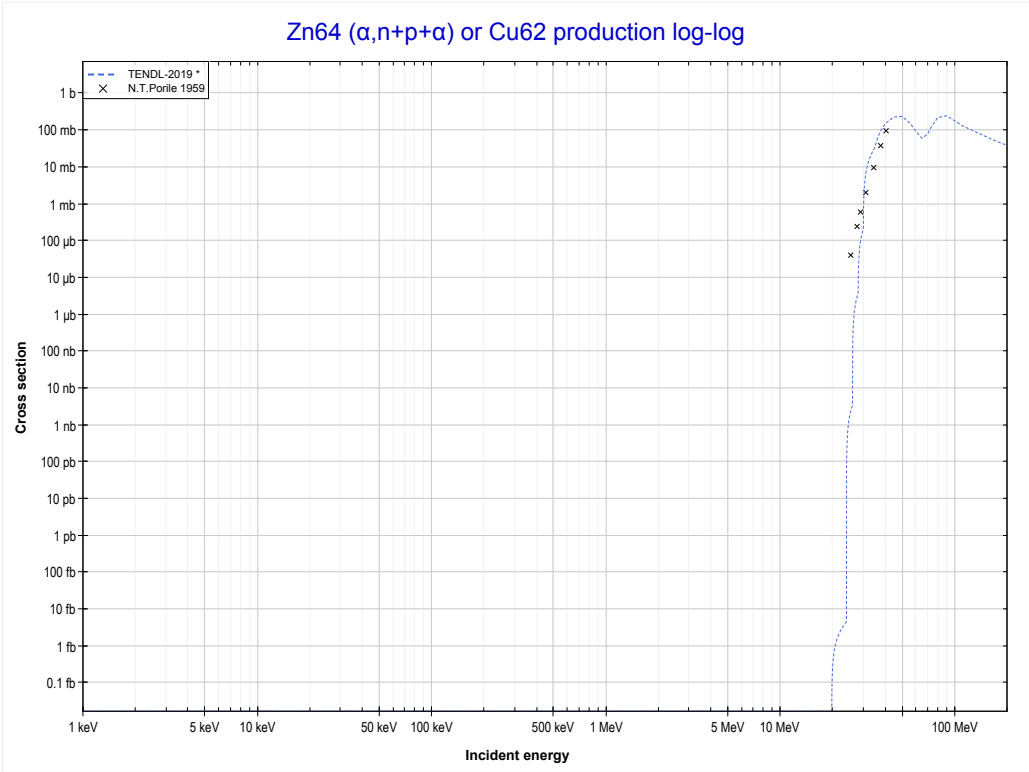
Reaction	Q-Value
Zn64(α,t)Ga65	-15871.39 keV
Zn64(α,n+d)Ga65	-22128.62 keV
Zn64(α,2n+p)Ga65	-24353.19 keV

<< 29-Cu-63	30-Zn-64	32-Ge-76 >>
<< MT41 ($\alpha,2n+p$)	MT44 ($\alpha,n+2p$) or MT5 (Zn65 production)	MT45 ($\alpha,n+p+\alpha$) >>



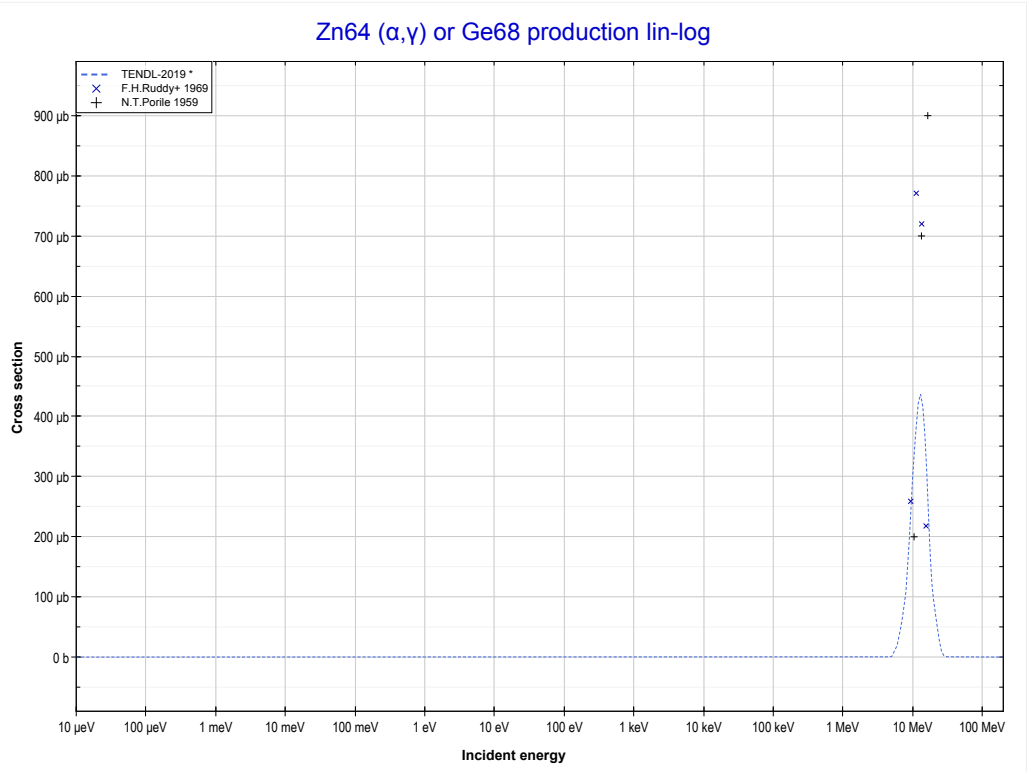
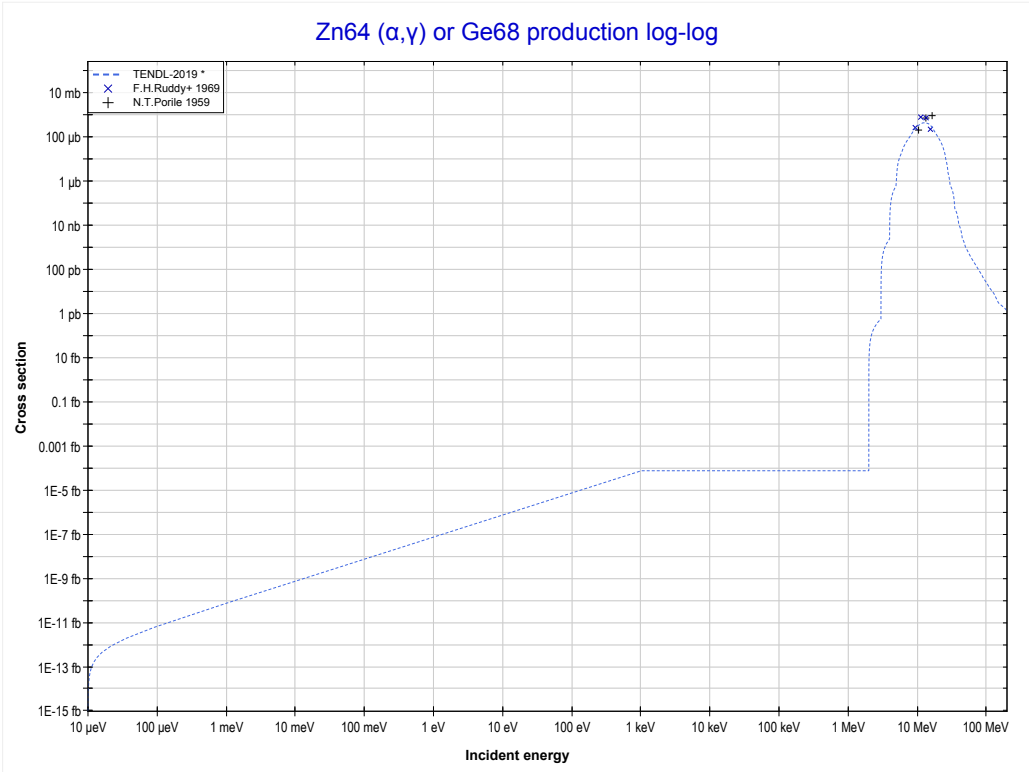
Reaction	Q-Value
Zn64($\alpha,\text{He3}$)Zn65	-12598.30 keV
Zn64($\alpha,p+d$)Zn65	-18091.78 keV
Zn64($\alpha,n+2p$)Zn65	-20316.34 keV

<< 28-Ni-60	30-Zn-64	30-Zn-66 >>
<< MT44 (α,n+2p)	MT45 (α,n+p+α) or MT5 (Cu62 production)	MT102 (α,γ) >>



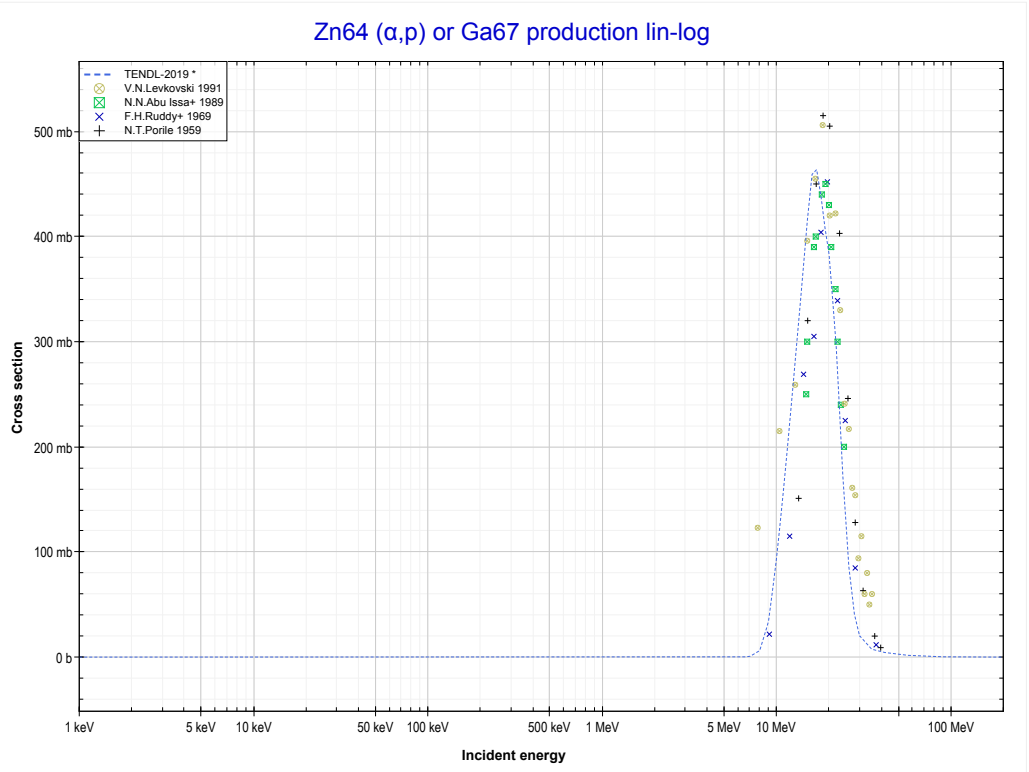
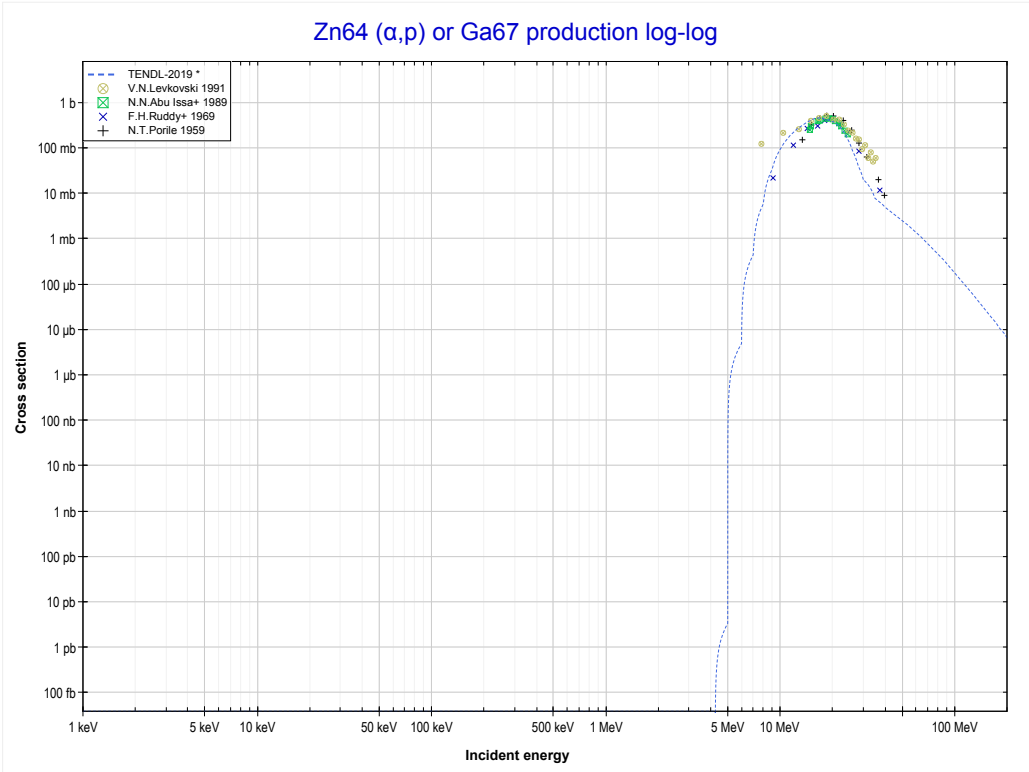
Reaction	Q-Value	Reaction	Q-Value
Zn64(α,d+α)Cu62	-16352.32 keV	Zn64(α,n+p+2d)Cu62	-42423.42 keV
Zn64(α,n+p+α)Cu62	-18576.89 keV	Zn64(α,2n+2p+d)Cu62	-44647.98 keV
Zn64(α,t+He3)Cu62	-30672.71 keV	Zn64(α,3n+3p)Cu62	-46872.55 keV
Zn64(α,p+d+t)Cu62	-36166.19 keV		
Zn64(α,n+d+He3)Cu62	-36929.94 keV		
Zn64(α,n+2p+t)Cu62	-38390.75 keV		
Zn64(α,2n+p+He3)Cu62	-39154.51 keV		
Zn64(α,3d)Cu62	-40198.85 keV		

<< 29-Cu-63	30-Zn-64	32-Ge-70 >>
<< MT45 (α,n+p+α)	MT102 (α,γ) or MT5 (Ge68 production)	MT103 (α,p) >>



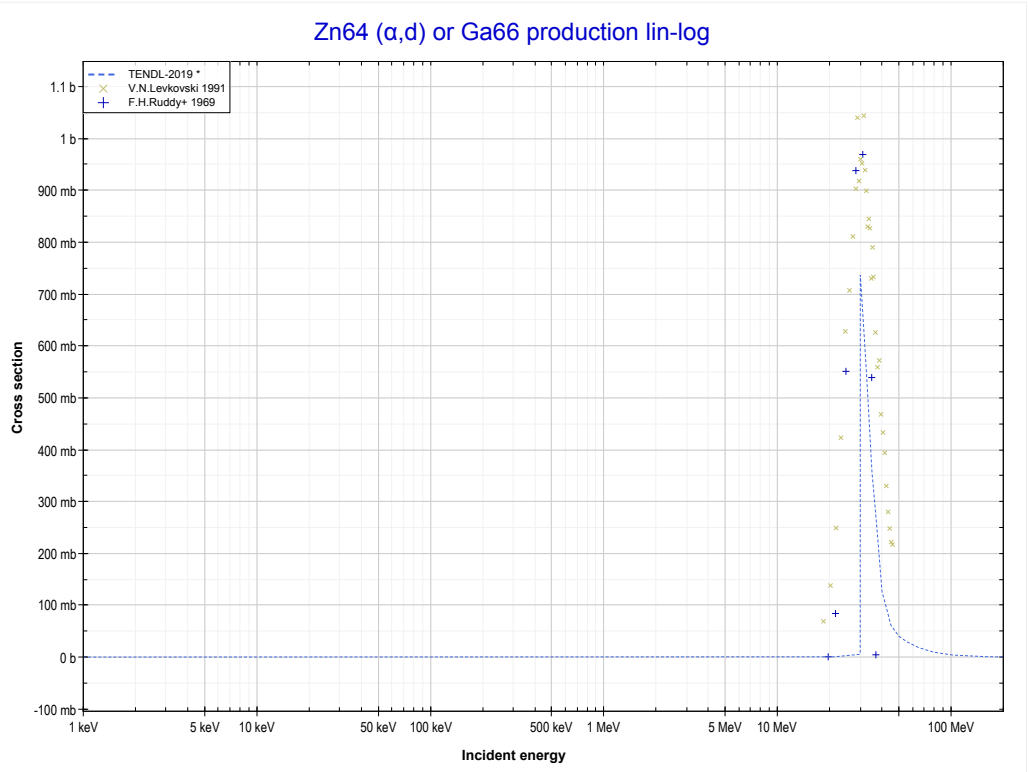
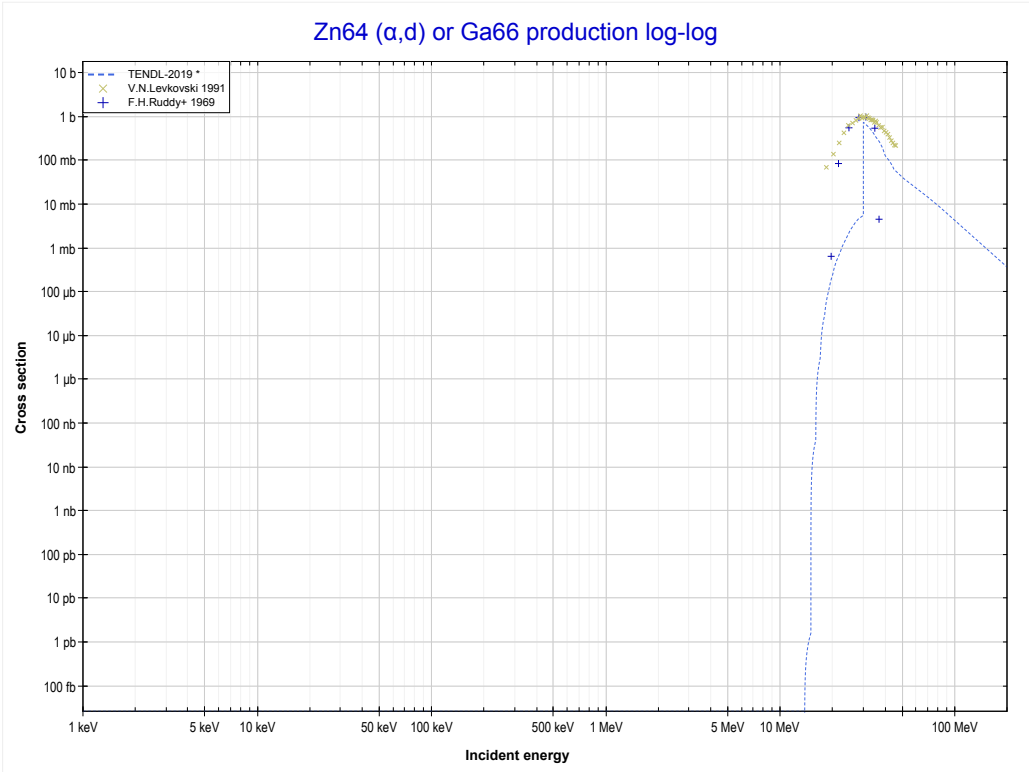
Reaction	Q-Value
Zn64(α,γ)Ge68	3399.72 keV

<< 28-Ni-64	30-Zn-64	30-Zn-70 >>
<< MT102 (α,γ)	MT103 (α,p) or MT5 (Ga67 production)	MT104 (α,d) >>



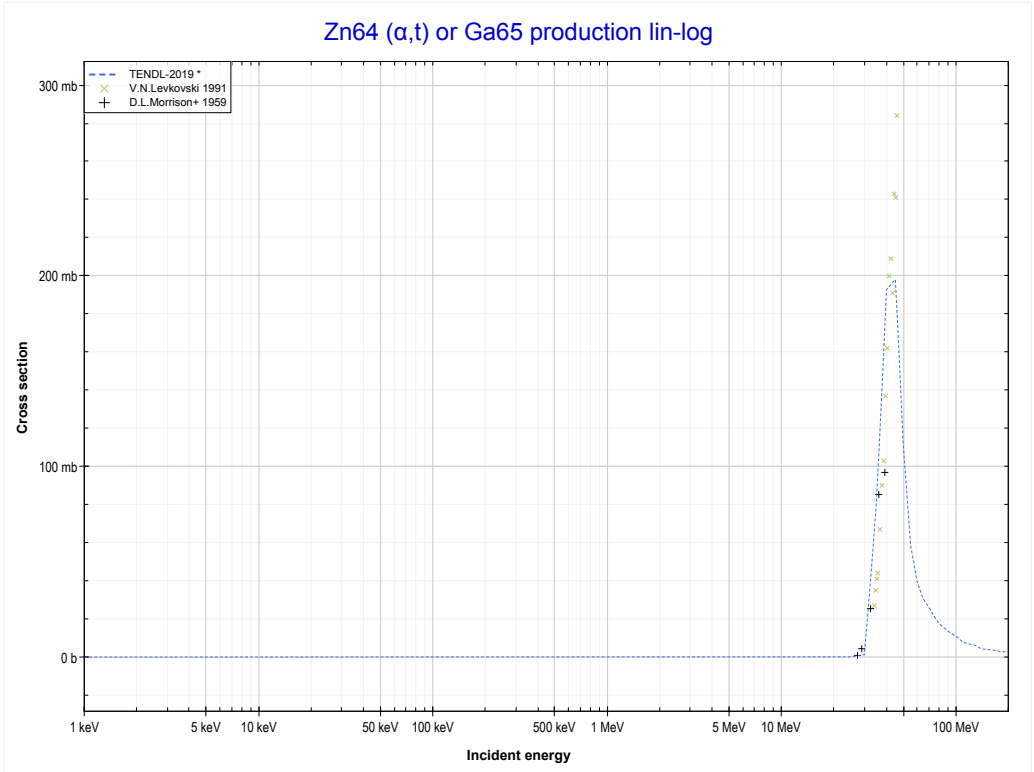
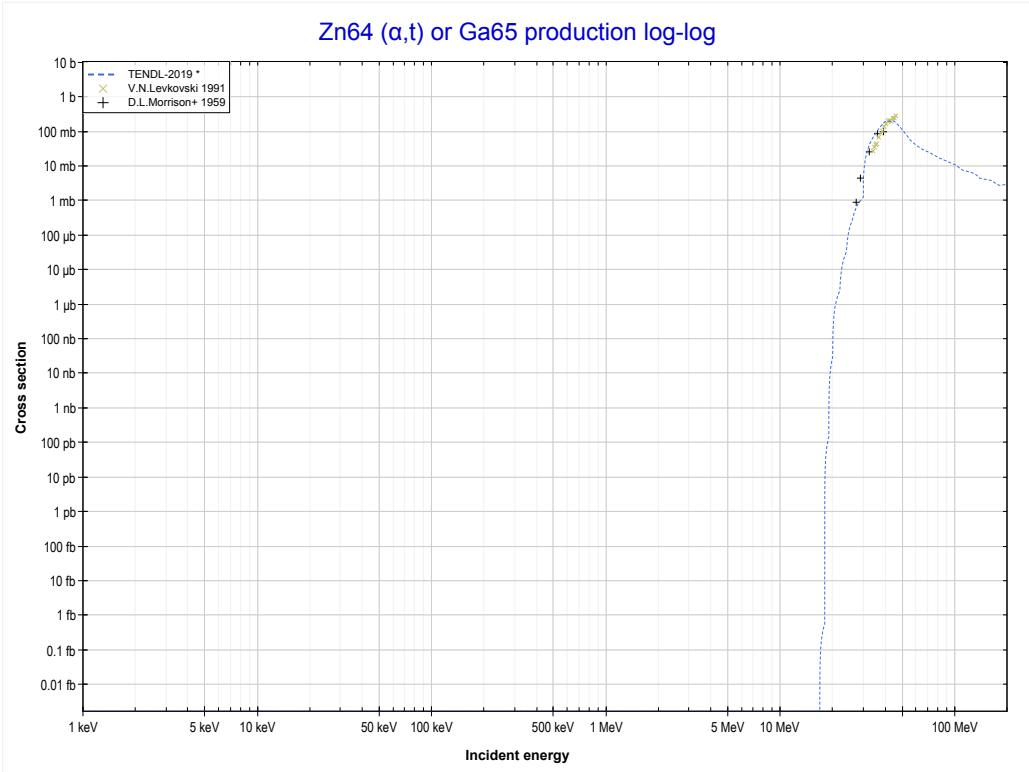
Reaction	Q-Value
Zn64(α,p)Ga67	-3989.05 keV

<< 29-Cu-63	30-Zn-64	30-Zn-66 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Ga66 production)	MT105 (α,t) >>



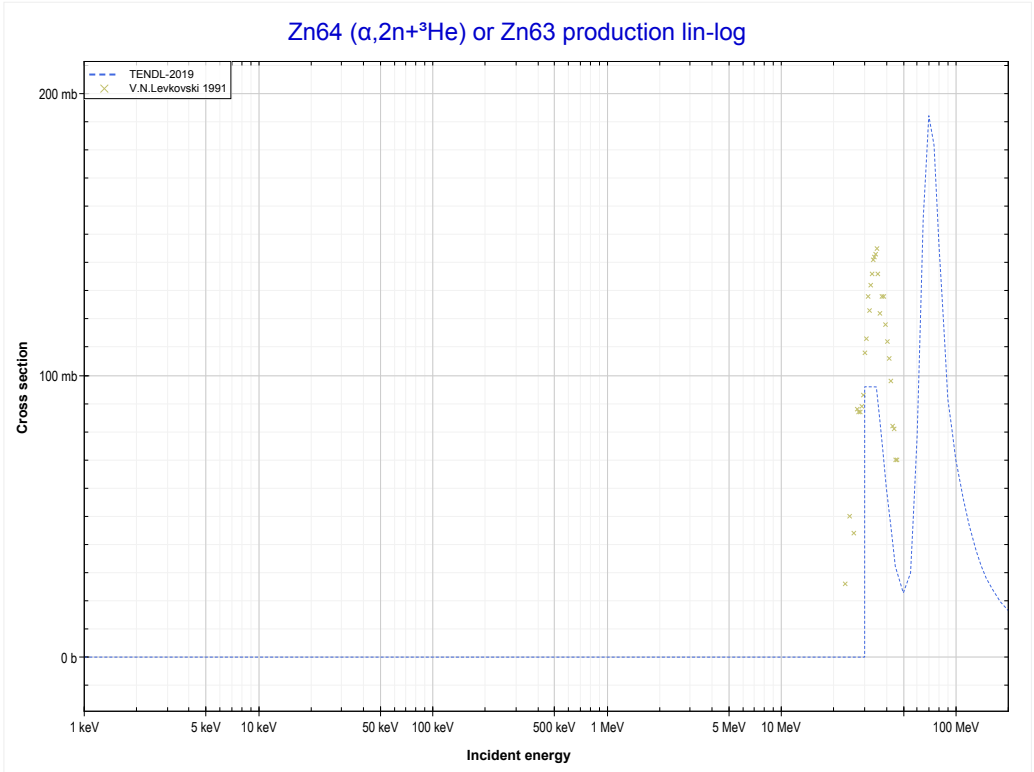
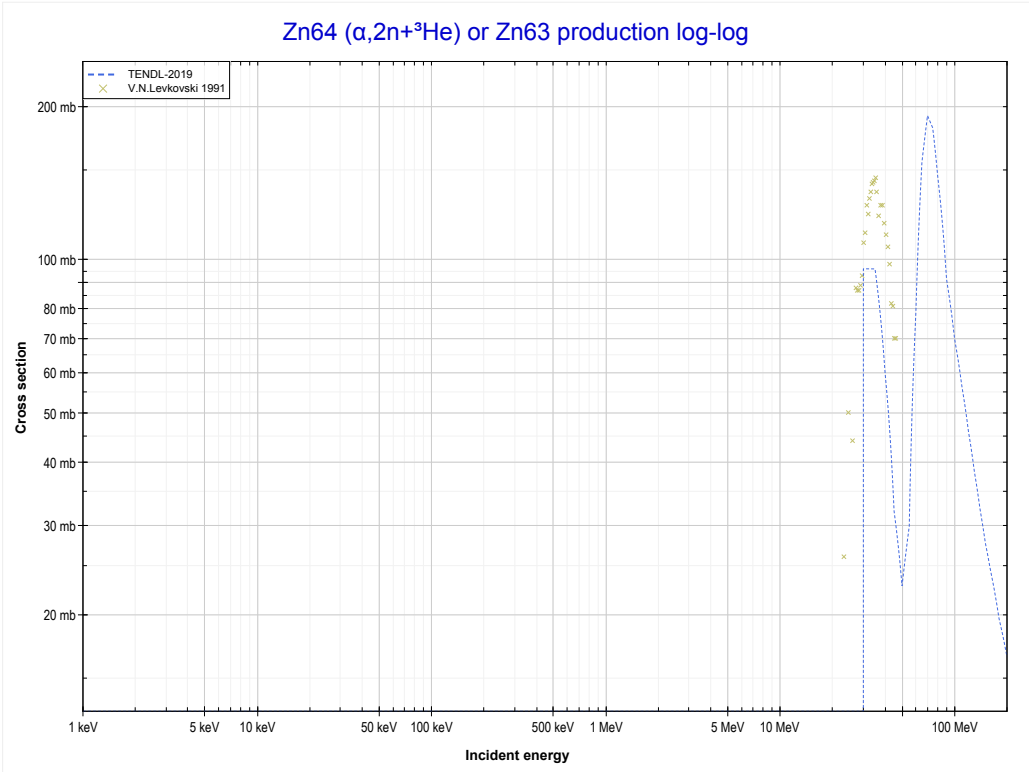
Reaction	Q-Value
Zn64(α,d)Ga66	-12991.11 keV
Zn64(α,n+p)Ga66	-15215.67 keV

<< 28-Ni-60	30-Zn-64	30-Zn-66 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Ga65 production)	MT176 (α,2n+ ³ He) >>



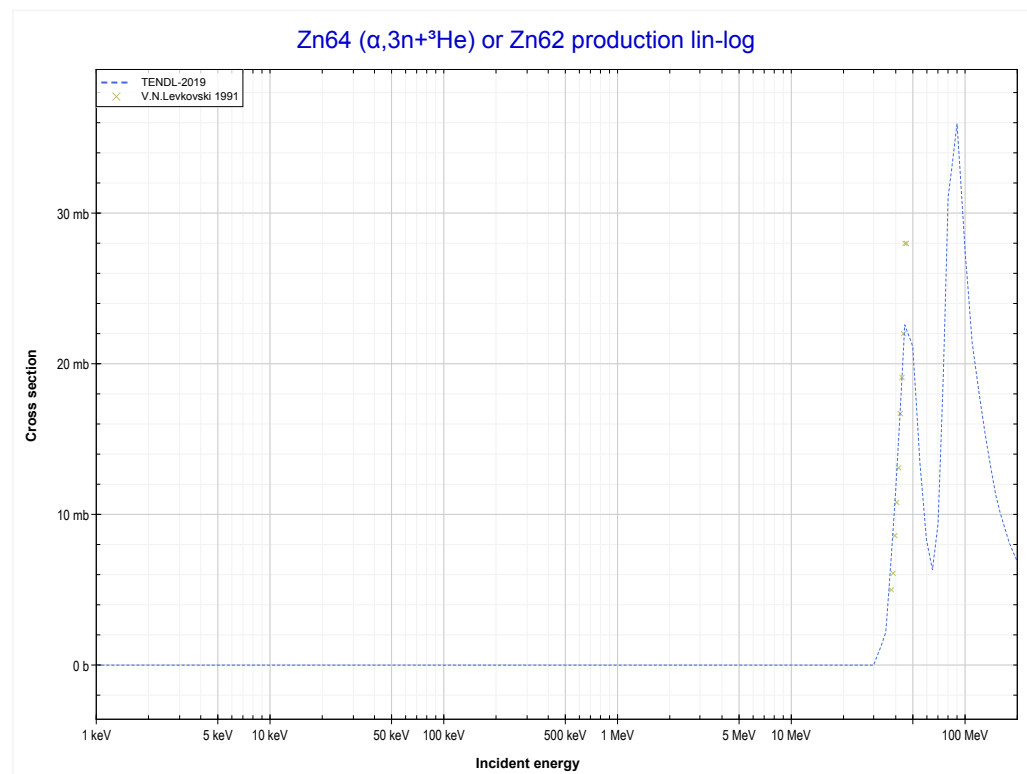
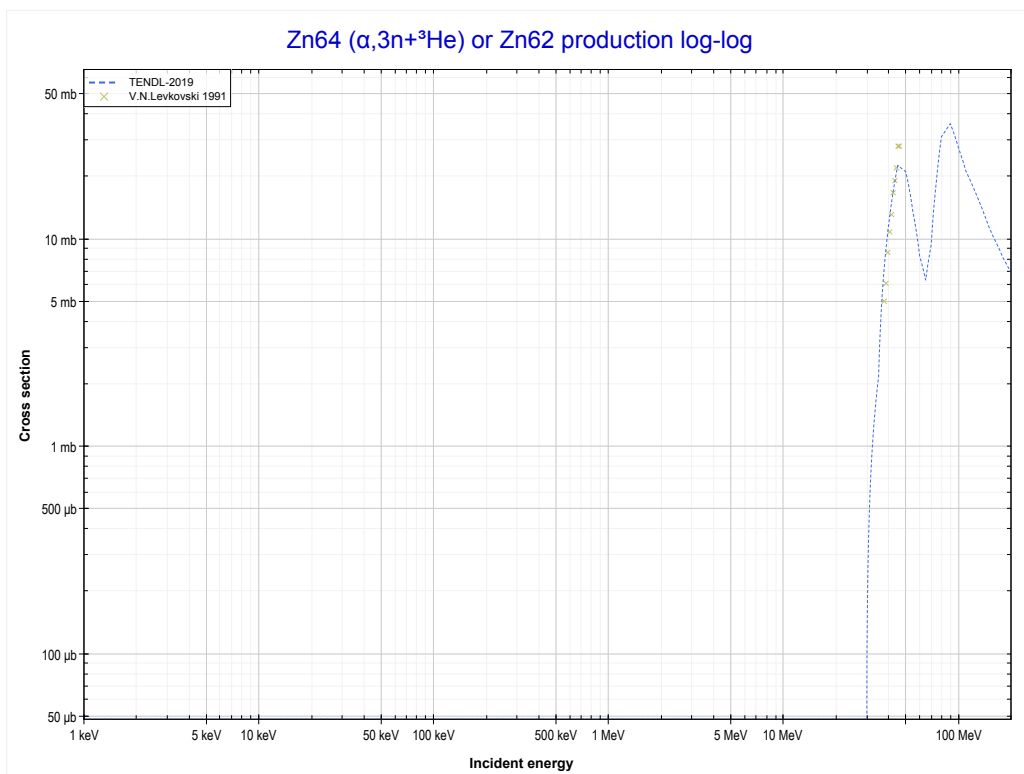
Reaction	Q-Value
Zn64(α,t)Ga65	-15871.39 keV
Zn64(α,n+d)Ga65	-22128.62 keV
Zn64(α,2n+p)Ga65	-24353.19 keV

<< 29-Cu-65	30-Zn-64	30-Zn-66 >>
<< MT105 (α,t)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Zn63 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



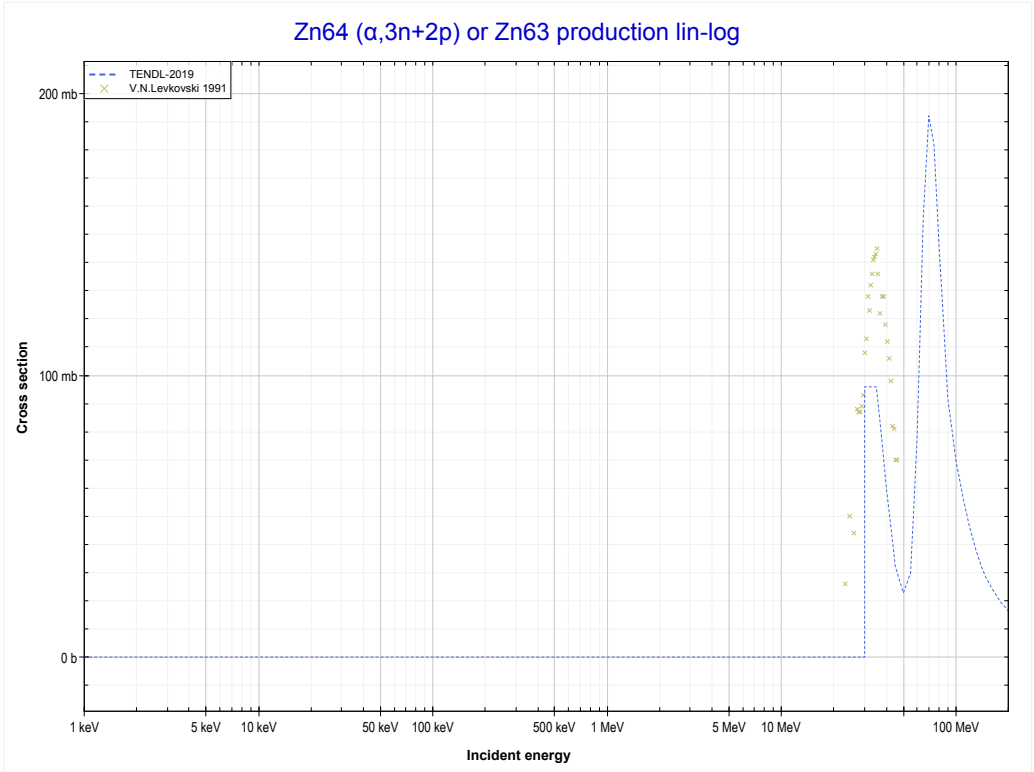
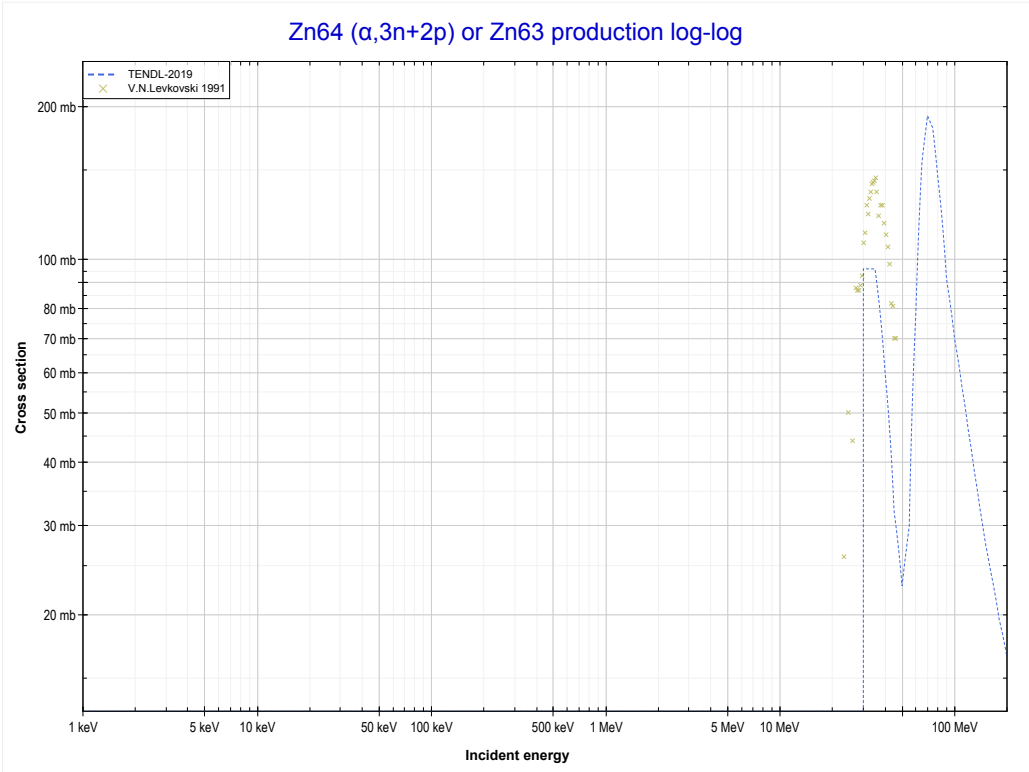
Reaction	Q-Value
Zn64($\alpha,n+\alpha$)Zn63	-11861.92 keV
Zn64($\alpha,d+t$)Zn63	-29451.22 keV
Zn64($\alpha,n+p+t$)Zn63	-31675.78 keV
Zn64($\alpha,2n+\text{He3}$)Zn63	-32439.54 keV
Zn64($\alpha,n+2d$)Zn63	-35708.44 keV
Zn64($\alpha,2n+p+d$)Zn63	-37933.01 keV
Zn64($\alpha,3n+2p$)Zn63	-40157.58 keV

<< 29-Cu-63	30-Zn-64	30-Zn-67 >>
<< MT176 ($\alpha, 2n+^3\text{He}$)	MT177 ($\alpha, 3n+^3\text{He}$) or MT5 (Zn62 production)	MT179 ($\alpha, 3n+2p$) >>



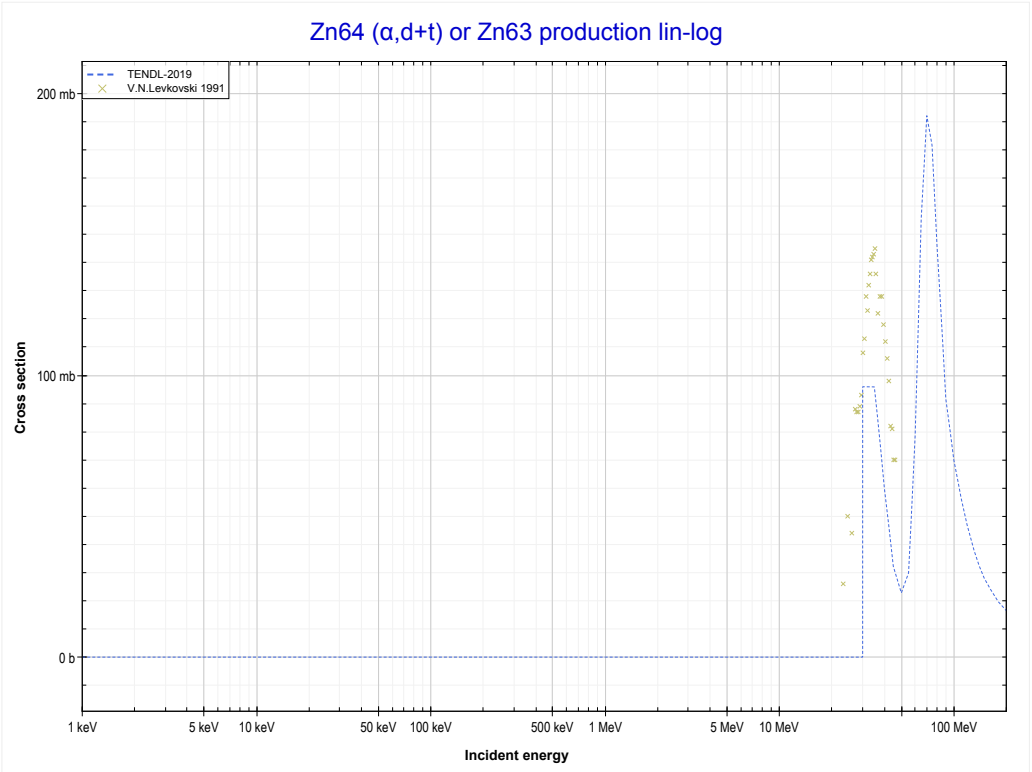
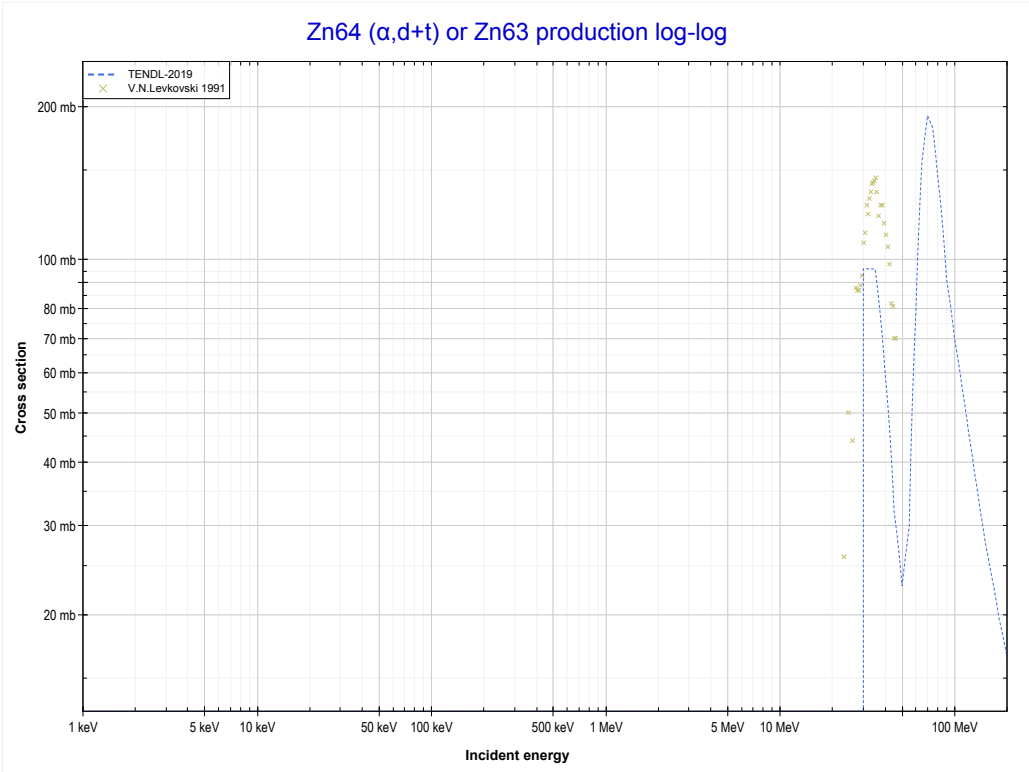
Reaction	Q-Value
Zn64($\alpha, 2n+\alpha$)Zn62	-20978.63 keV
Zn64($\alpha, 2t$)Zn62	-32310.70 keV
Zn64($\alpha, n+d+t$)Zn62	-38567.93 keV
Zn64($\alpha, 2n+p+t$)Zn62	-40792.50 keV
Zn64($\alpha, 3n+^3\text{He}$)Zn62	-41556.25 keV
Zn64($\alpha, 2n+2d$)Zn62	-44825.16 keV
Zn64($\alpha, 3n+p+d$)Zn62	-47049.73 keV
Zn64($\alpha, 4n+2p$)Zn62	-49274.29 keV

<< 29-Cu-65	30-Zn-64	30-Zn-66 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Zn63 production)	MT182 ($\alpha,d+t$) >>



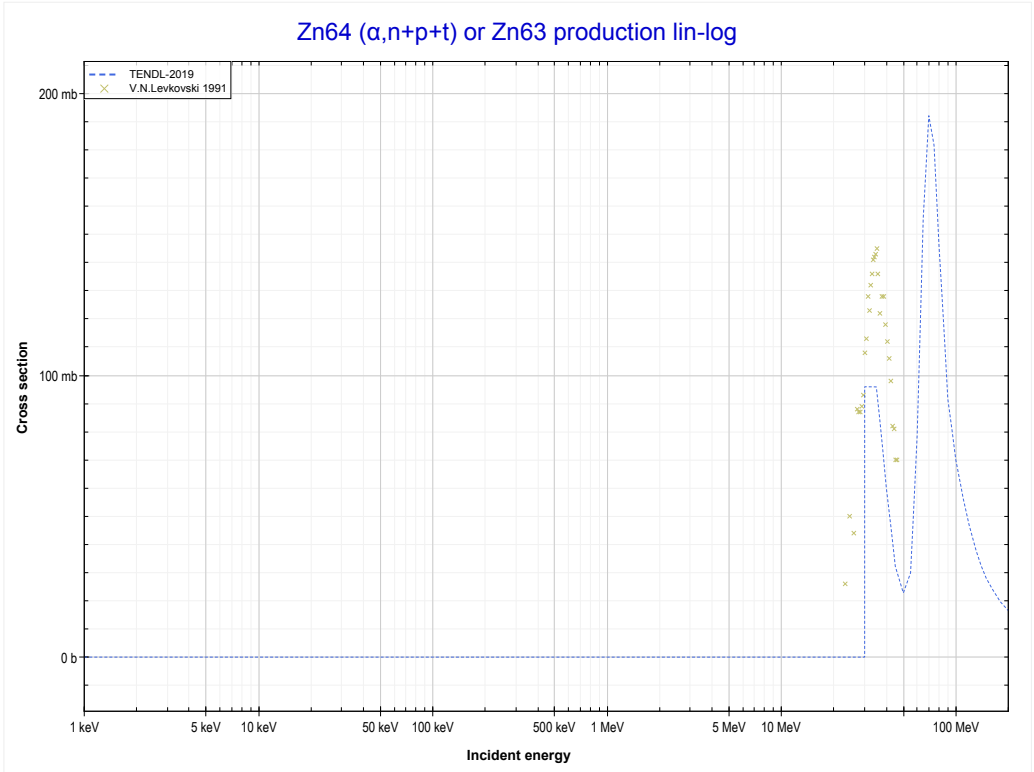
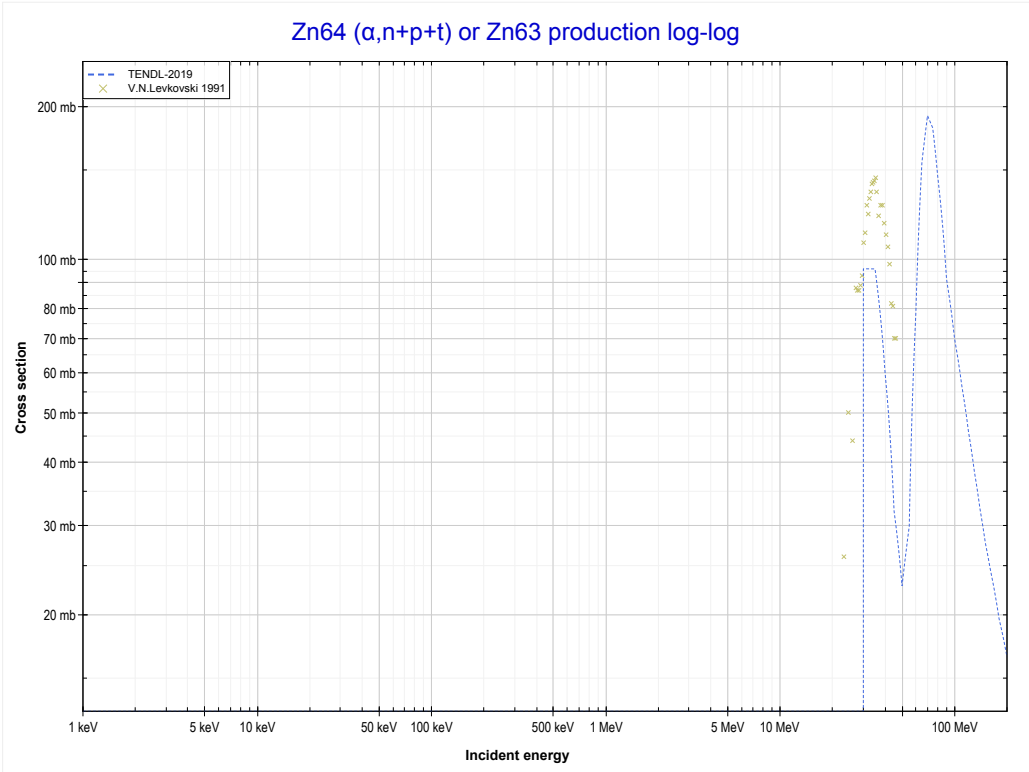
Reaction	Q-Value
Zn64($\alpha,n+\alpha$)Zn63	-11861.92 keV
Zn64($\alpha,d+t$)Zn63	-29451.22 keV
Zn64($\alpha,n+p+t$)Zn63	-31675.78 keV
Zn64($\alpha,2n+^3\text{He}$)Zn63	-32439.54 keV
Zn64($\alpha,n+2d$)Zn63	-35708.44 keV
Zn64($\alpha,2n+p+d$)Zn63	-37933.01 keV
Zn64($\alpha,3n+2p$)Zn63	-40157.58 keV

<< 29-Cu-65	30-Zn-64	30-Zn-66 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Zn63 production)	MT184 ($\alpha,n+p+t$) >>



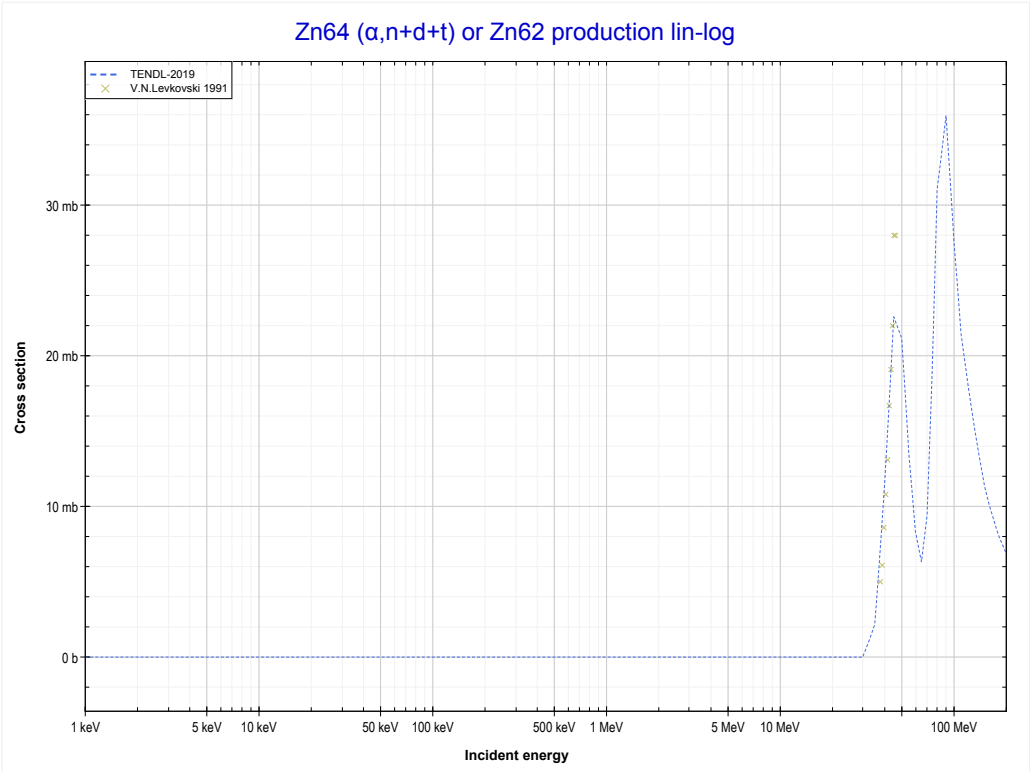
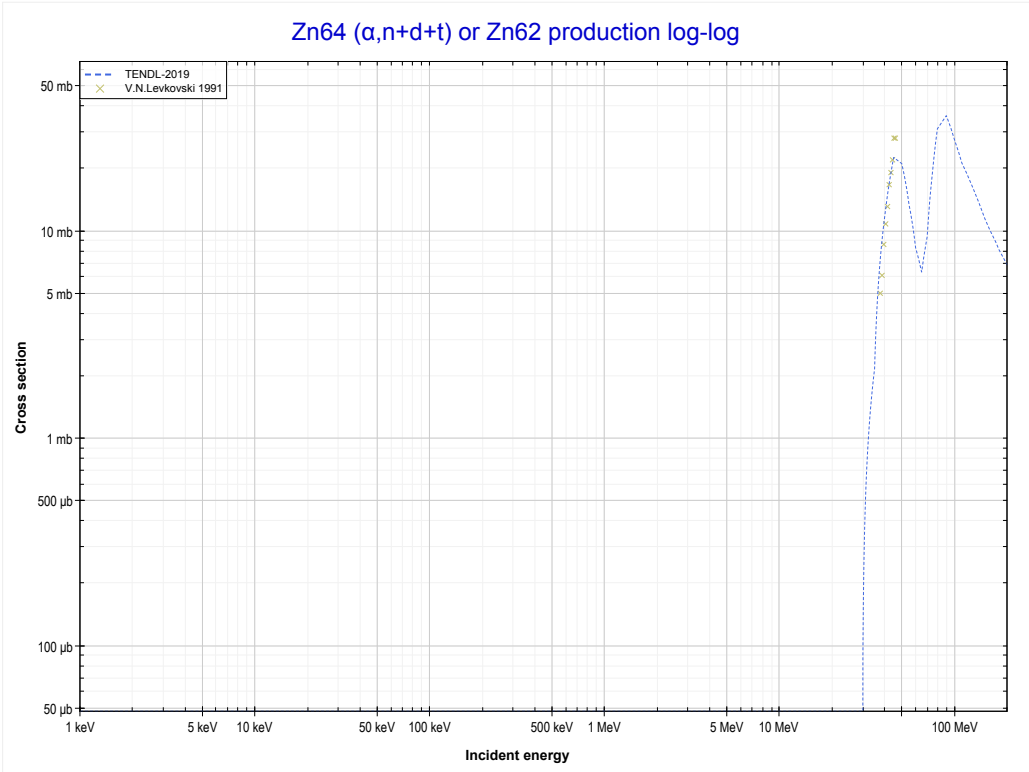
Reaction	Q-Value
Zn64($\alpha,n+\alpha$)Zn63	-11861.92 keV
Zn64($\alpha,d+t$)Zn63	-29451.22 keV
Zn64($\alpha,n+p+t$)Zn63	-31675.78 keV
Zn64($\alpha,2n+He3$)Zn63	-32439.54 keV
Zn64($\alpha,n+2d$)Zn63	-35708.44 keV
Zn64($\alpha,2n+p+d$)Zn63	-37933.01 keV
Zn64($\alpha,3n+2p$)Zn63	-40157.58 keV

<< 29-Cu-65	30-Zn-64	30-Zn-66 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Zn63 production)	MT185 (α,n+d+t) >>



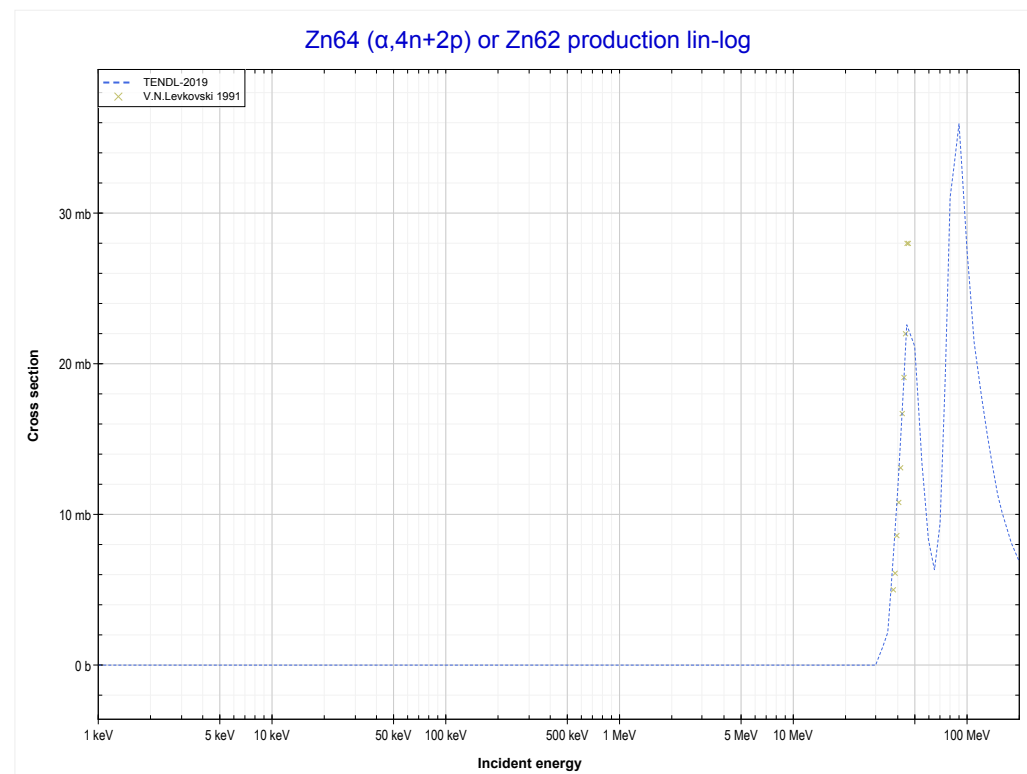
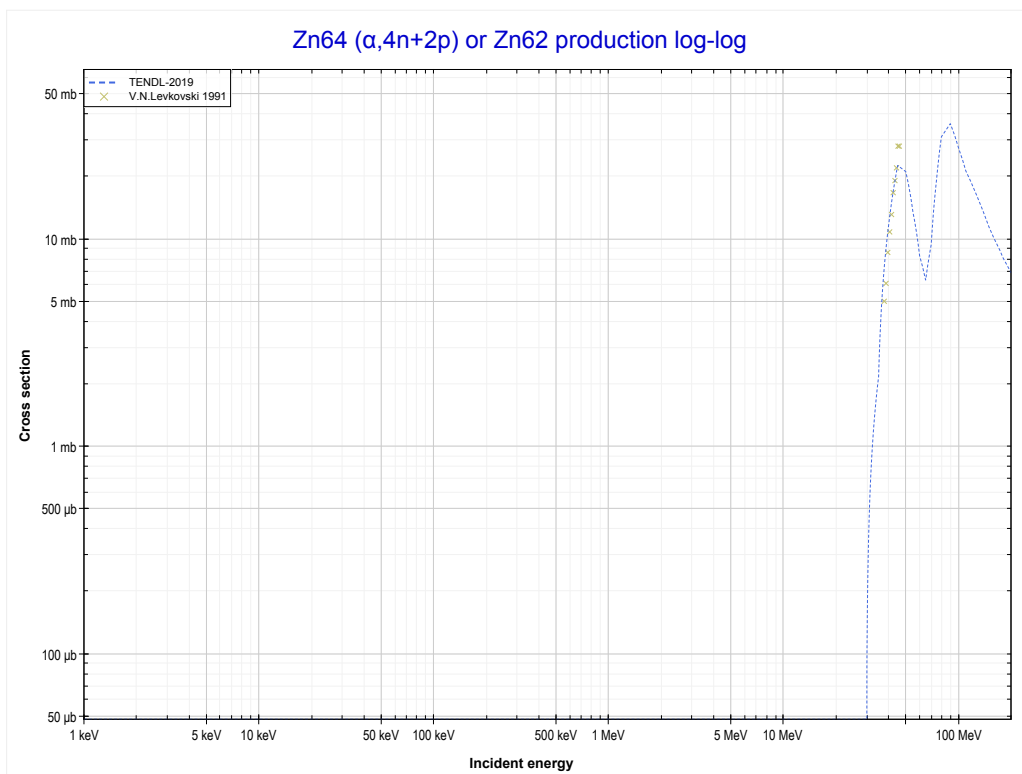
Reaction	Q-Value
Zn64(α,n+α)Zn63	-11861.92 keV
Zn64(α,d+t)Zn63	-29451.22 keV
Zn64(α,n+p+t)Zn63	-31675.78 keV
Zn64(α,2n+He3)Zn63	-32439.54 keV
Zn64(α,n+2d)Zn63	-35708.44 keV
Zn64(α,2n+p+d)Zn63	-37933.01 keV
Zn64(α,3n+2p)Zn63	-40157.58 keV

<< 29-Cu-63	30-Zn-64	30-Zn-67 >>
<< MT184 (α,n+p+t)	MT185 (α,n+d+t) or MT5 (Zn62 production)	MT194 (α,4n+2p) >>



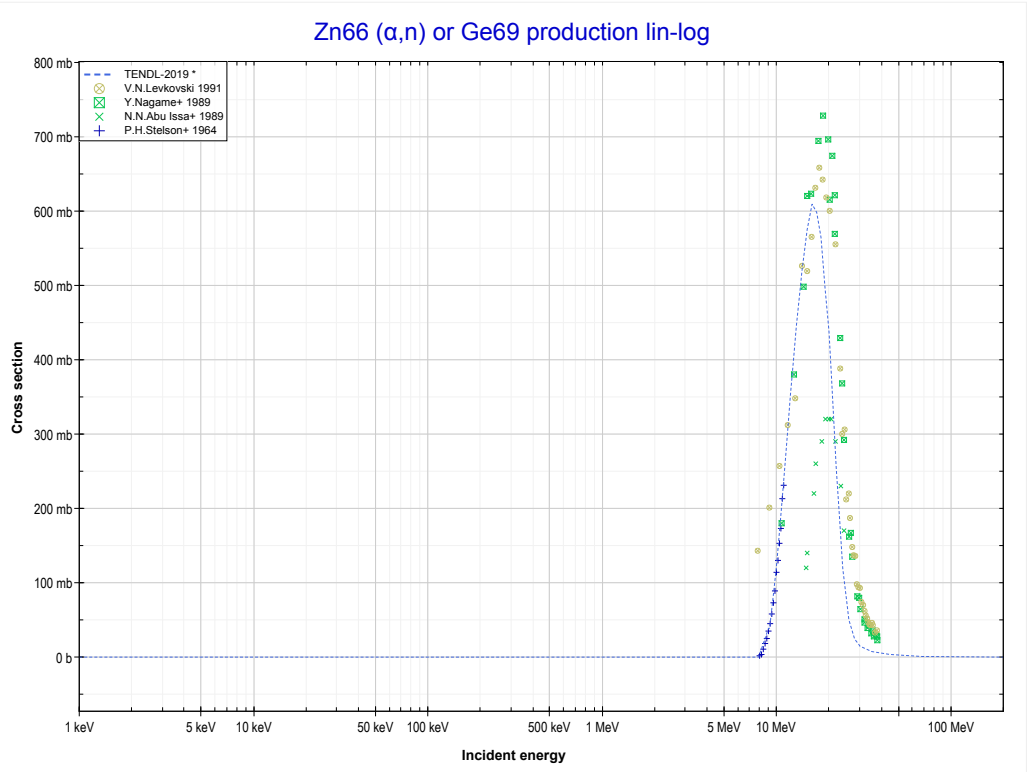
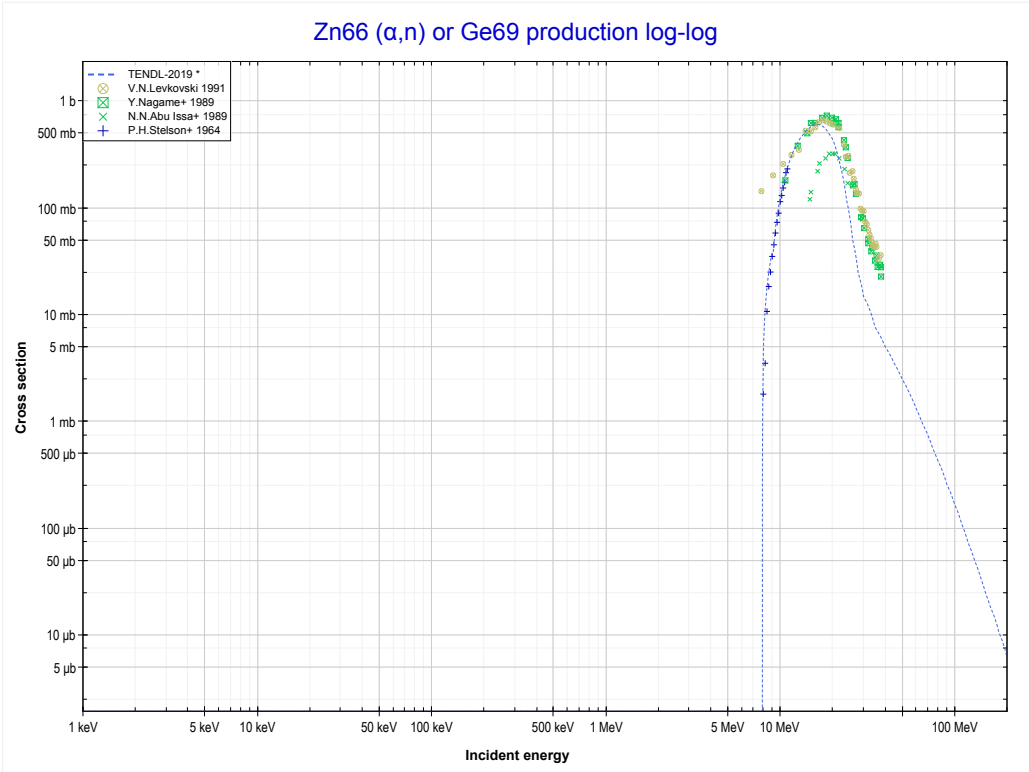
Reaction	Q-Value
Zn64(α,2n+α)Zn62	-20978.63 keV
Zn64(α,2t)Zn62	-32310.70 keV
Zn64(α,n+d+t)Zn62	-38567.93 keV
Zn64(α,2n+p+t)Zn62	-40792.50 keV
Zn64(α,3n+He3)Zn62	-41556.25 keV
Zn64(α,2n+2d)Zn62	-44825.16 keV
Zn64(α,3n+p+d)Zn62	-47049.73 keV
Zn64(α,4n+2p)Zn62	-49274.29 keV

<< 29-Cu-63	30-Zn-64	30-Zn-67 >>
<< MT185 ($\alpha, n+d+t$)	MT194 ($\alpha, 4n+2p$) or MT5 (Zn62 production)	30-Zn-66 MT4 (α, n) >>



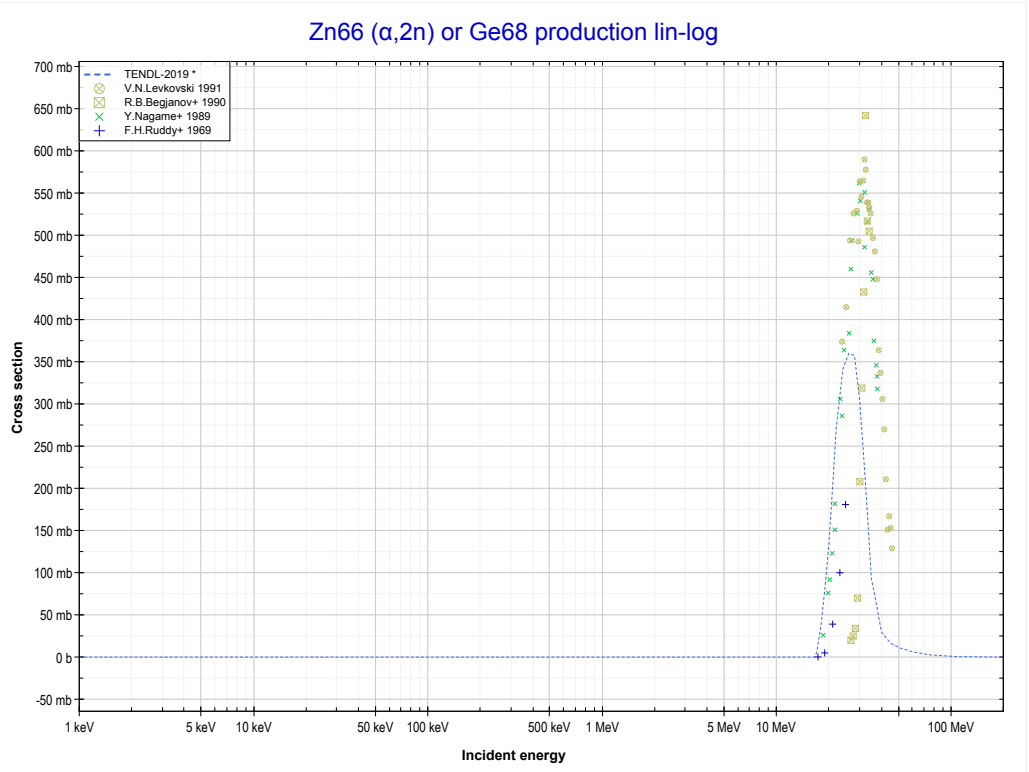
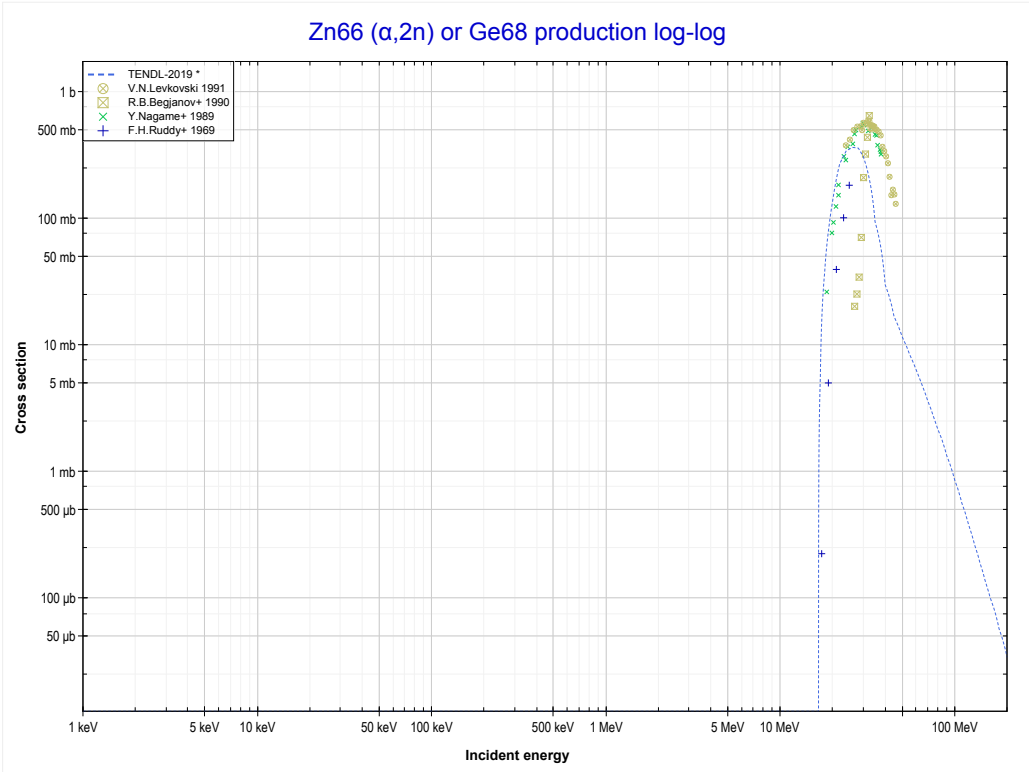
Reaction	Q-Value
Zn64($\alpha, 2n+\alpha$)Zn62	-20978.63 keV
Zn64($\alpha, 2t$)Zn62	-32310.70 keV
Zn64($\alpha, n+d+t$)Zn62	-38567.93 keV
Zn64($\alpha, 2n+p+t$)Zn62	-40792.50 keV
Zn64($\alpha, 3n+He3$)Zn62	-41556.25 keV
Zn64($\alpha, 2n+2d$)Zn62	-44825.16 keV
Zn64($\alpha, 3n+p+d$)Zn62	-47049.73 keV
Zn64($\alpha, 4n+2p$)Zn62	-49274.29 keV

<< 30-Zn-64	30-Zn-66	30-Zn-68 >>
<< 30-Zn-64 MT194 (α,4n+2p)	MT4 (α,n) or MT5 (Ge69 production)	MT16 (α,2n) >>



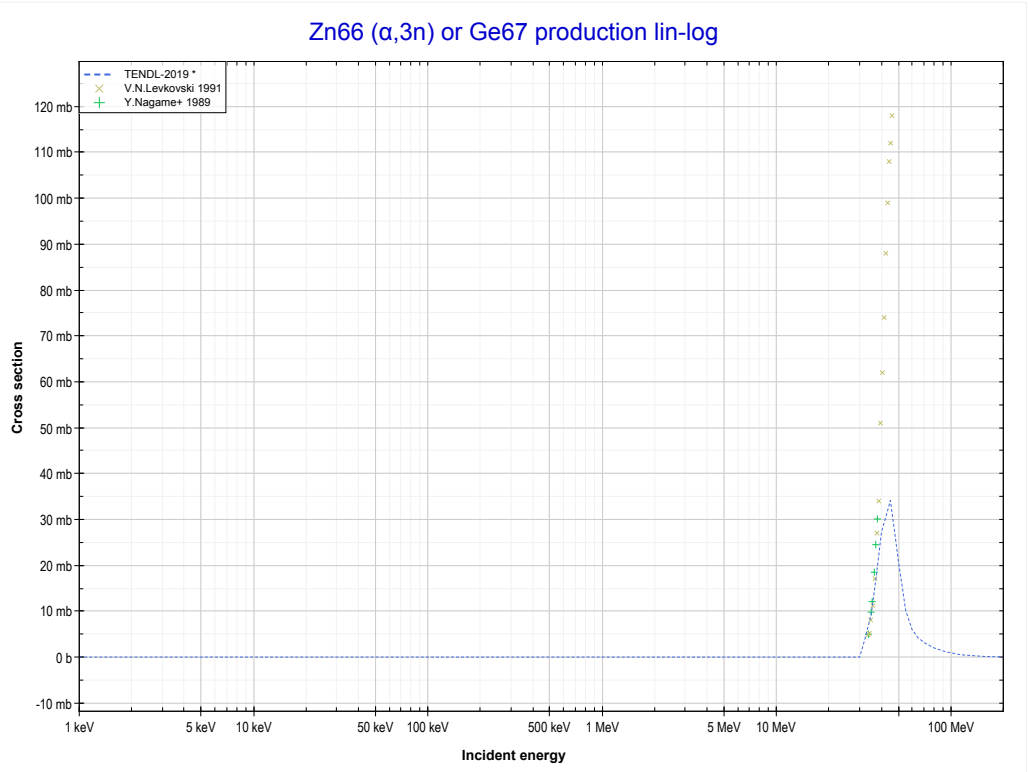
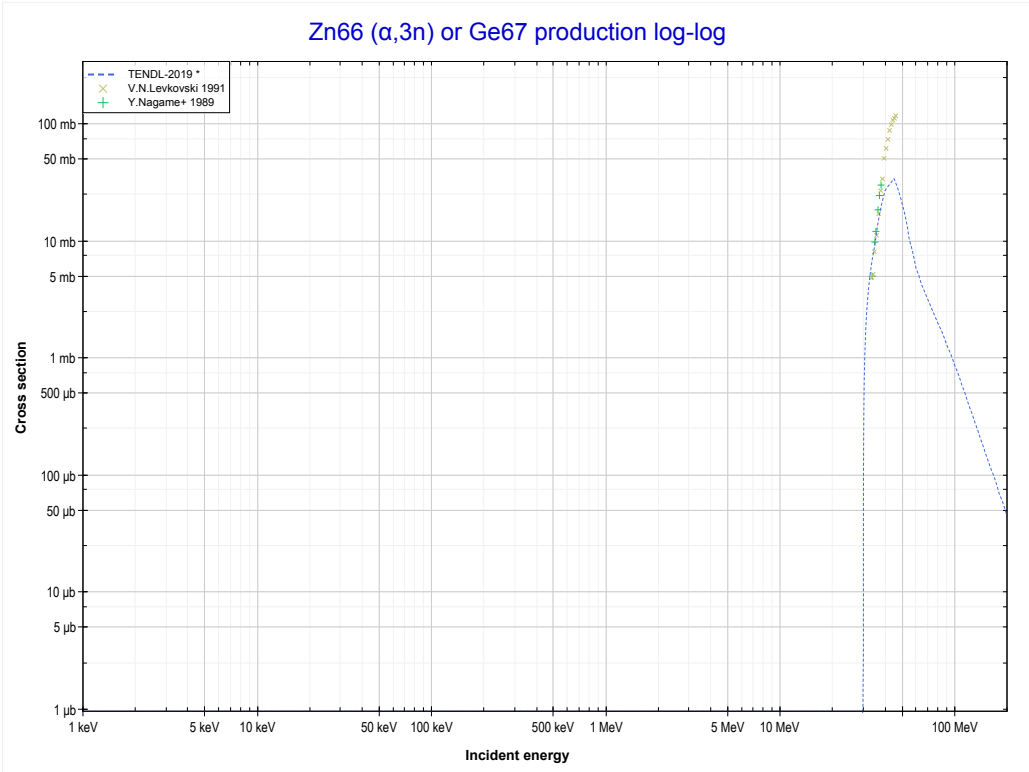
Reaction	Q-Value
Zn66(α,n)Ge69	-7444.90 keV

<< 30-Zn-64	30-Zn-66	30-Zn-67 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Ge68 production)	MT17 (α,3n) >>



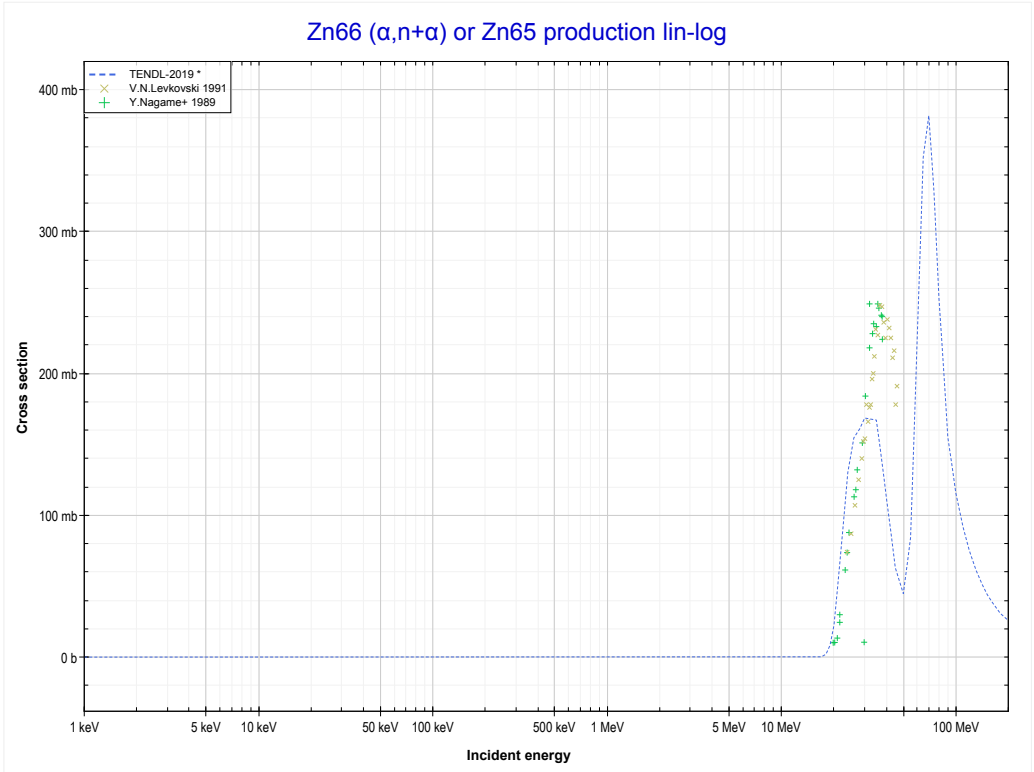
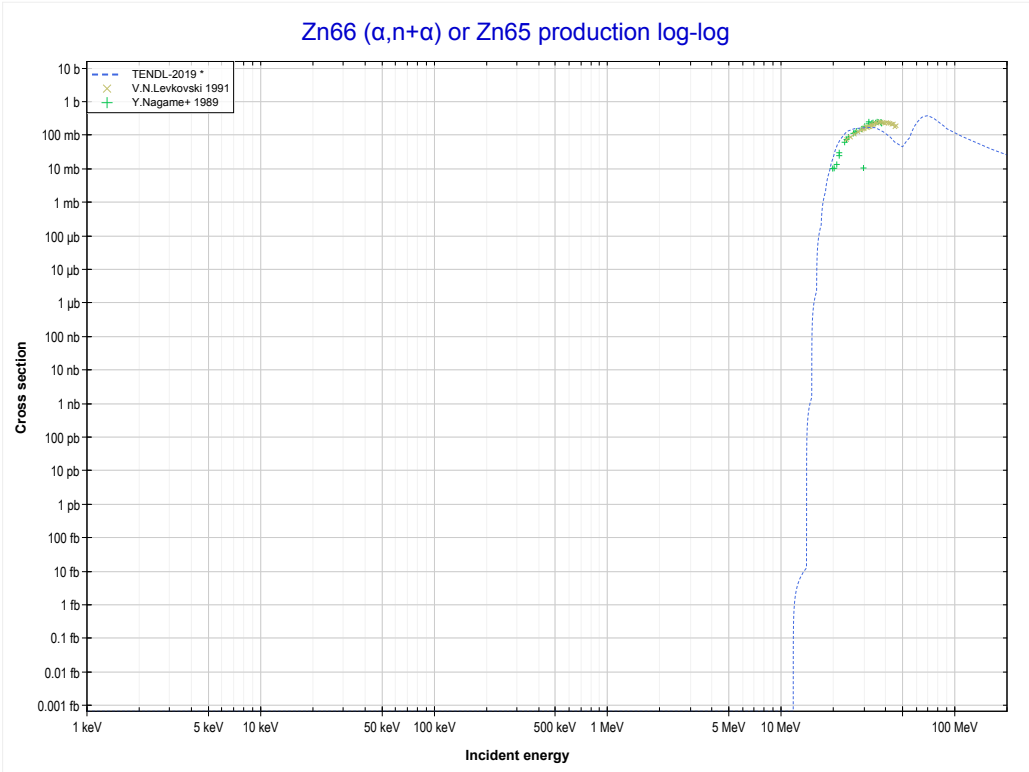
Reaction	Q-Value
Zn66(α,2n)Ge68	-15638.12 keV

<< 30-Zn-64	30-Zn-66	30-Zn-67 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Ge67 production)	MT22 (α,n+α) >>



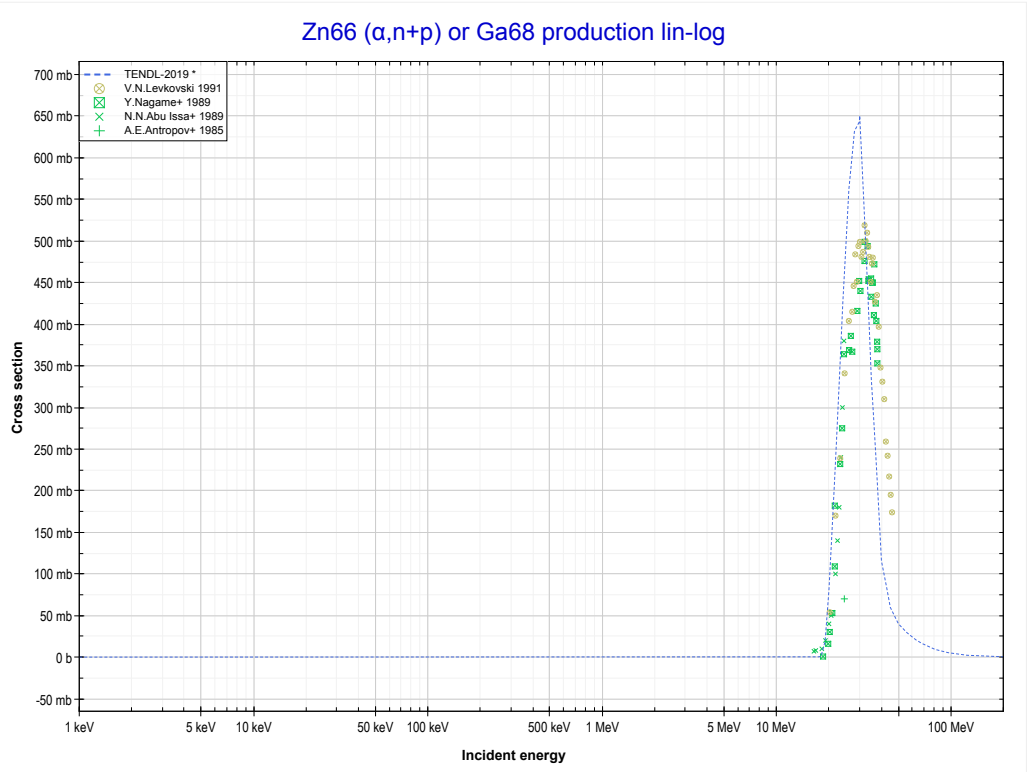
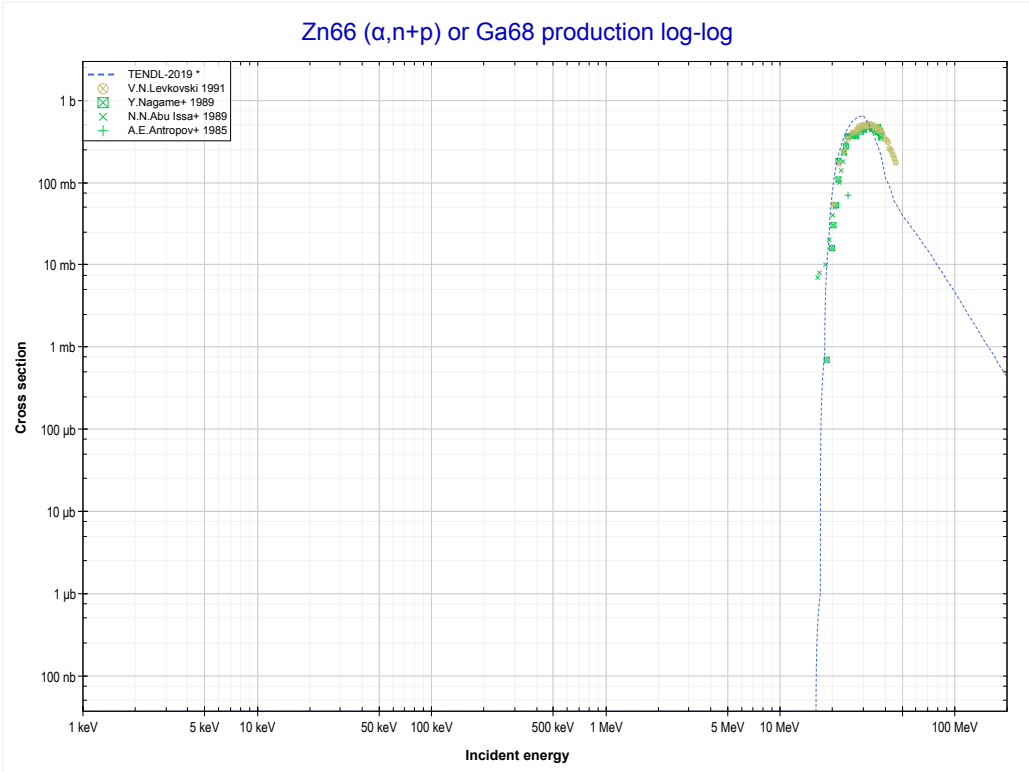
Reaction	Q-Value
Zn66(α,3n)Ge67	-28030.24 keV

<< 30-Zn-64	30-Zn-66	31-Ga-69 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Zn65 production)	MT28 (α,n+p) >>



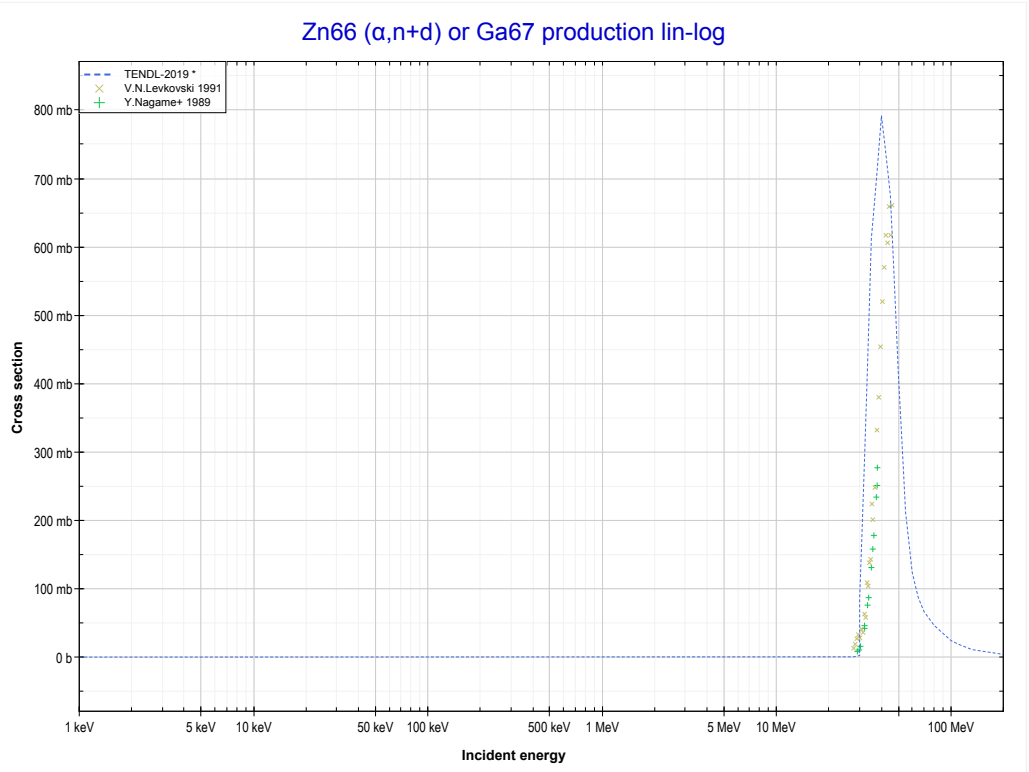
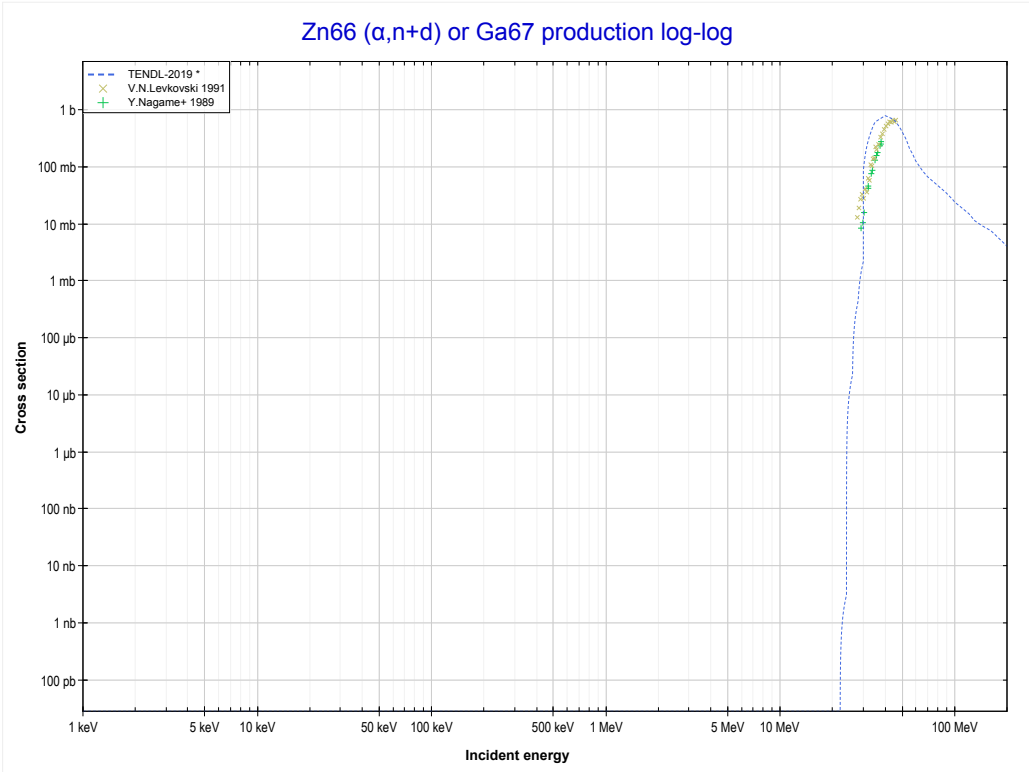
Reaction	Q-Value
Zn66(α,n+α)Zn65	-11058.52 keV
Zn66(α,d+t)Zn65	-28647.82 keV
Zn66(α,n+p+t)Zn65	-30872.38 keV
Zn66(α,2n+He3)Zn65	-31636.14 keV
Zn66(α,n+2d)Zn65	-34905.04 keV
Zn66(α,2n+p+d)Zn65	-37129.61 keV
Zn66(α,3n+2p)Zn65	-39354.18 keV

<< 30-Zn-64	30-Zn-66	30-Zn-68 >>
<< MT22 ($\alpha,n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Ga68 production)	MT32 ($\alpha,n+d$) >>



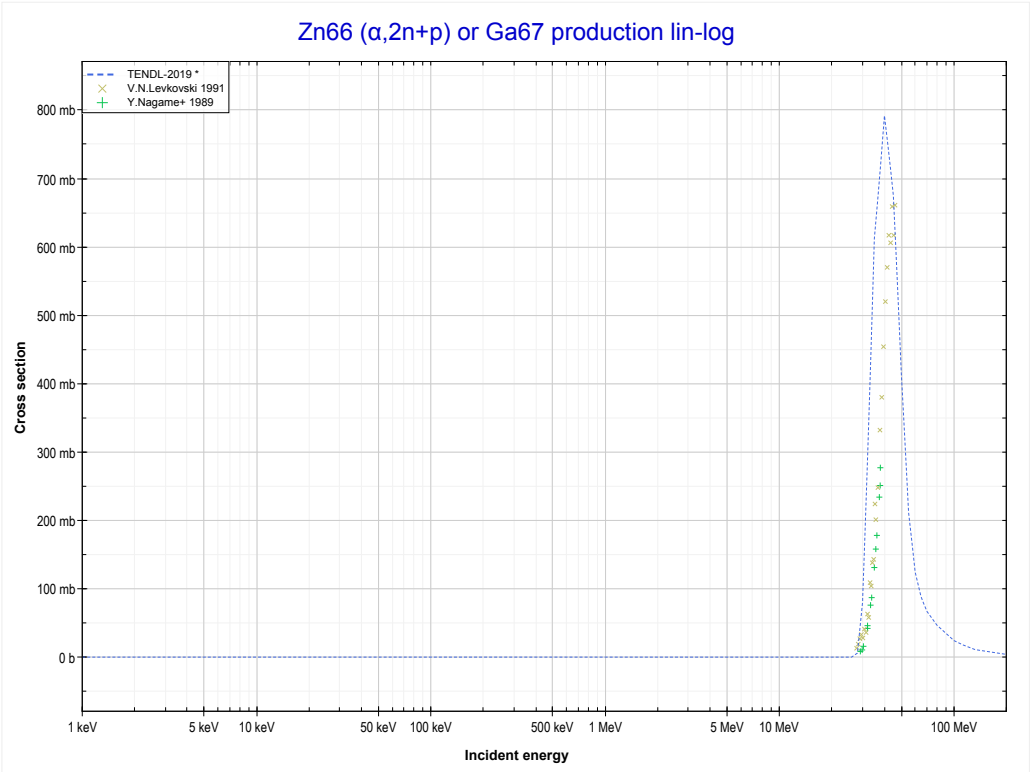
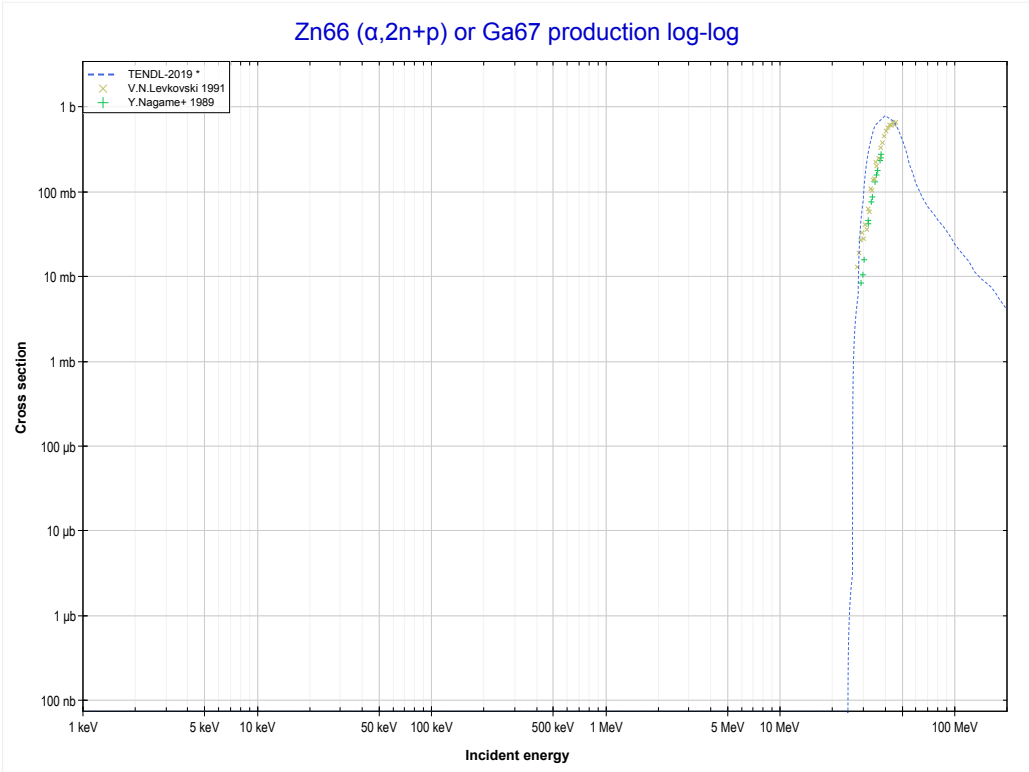
Reaction	Q-Value
Zn66(α,d)Ga68	-12524.01 keV
Zn66($\alpha,n+p$)Ga68	-14748.57 keV

<< 30-Zn-64	30-Zn-66	30-Zn-67 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Ga67 production)	MT41 (α,2n+p) >>



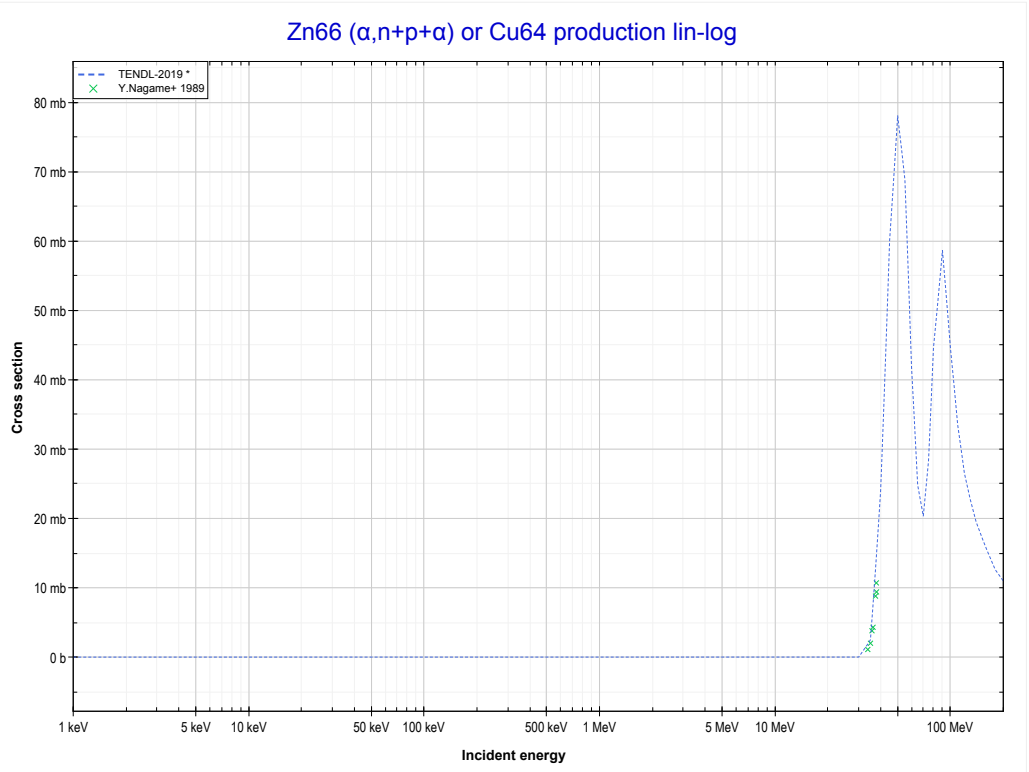
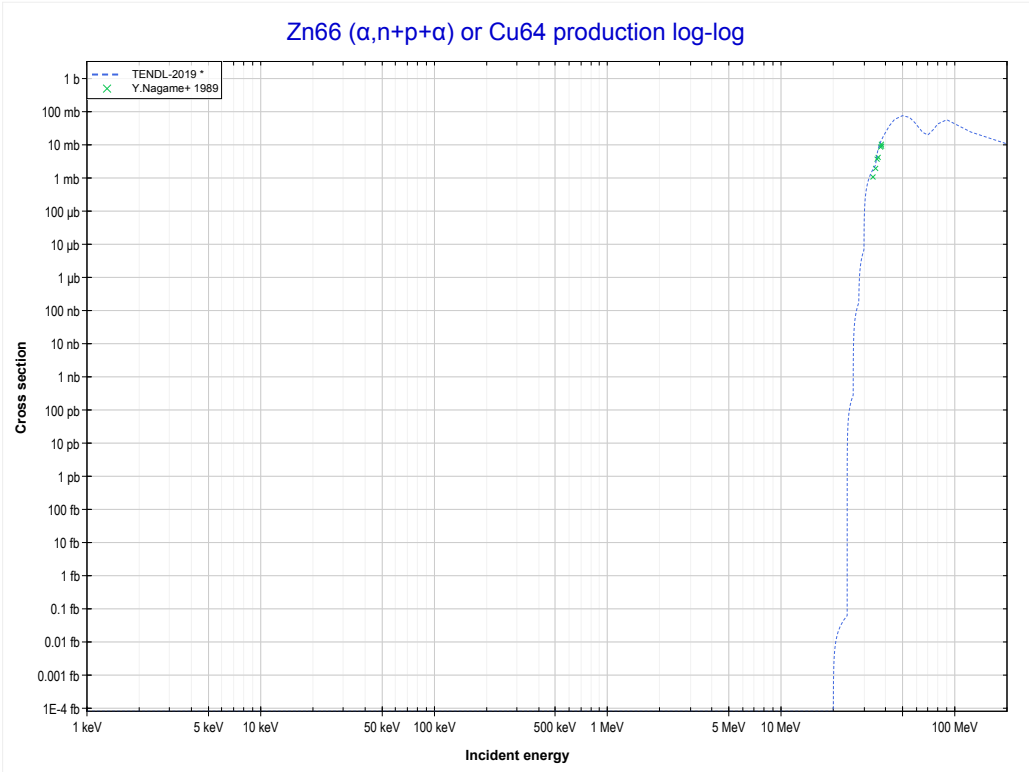
Reaction	Q-Value
Zn66(α,t)Ga67	-14545.09 keV
Zn66(α,n+d)Ga67	-20802.32 keV
Zn66(α,2n+p)Ga67	-23026.89 keV

<< 30-Zn-64	30-Zn-66	30-Zn-67 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Ga67 production)	MT45 (α,n+p+α) >>



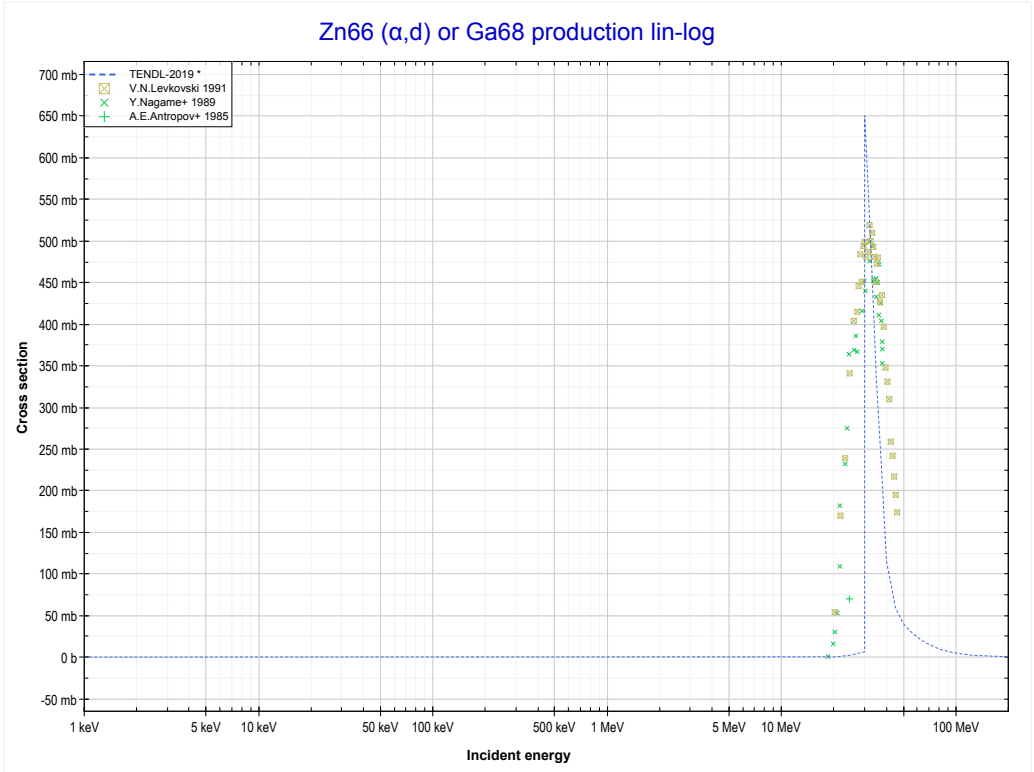
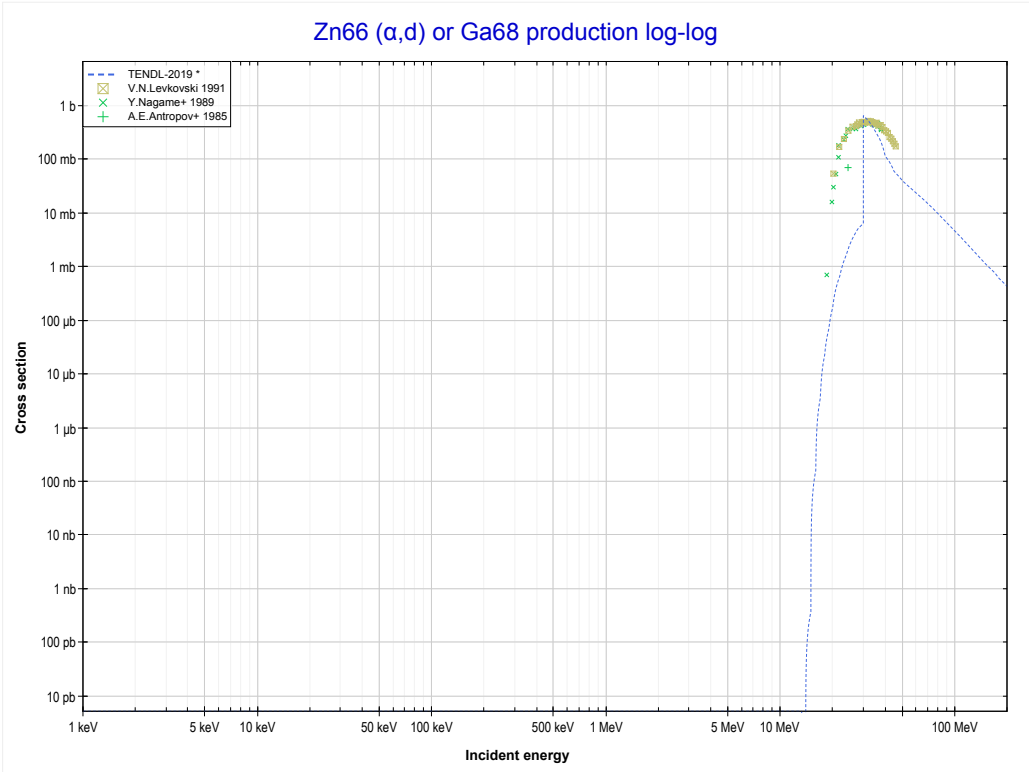
Reaction	Q-Value
Zn66(α,t)Ga67	-14545.09 keV
Zn66(α,n+d)Ga67	-20802.32 keV
Zn66(α,2n+p)Ga67	-23026.89 keV

<< 30-Zn-64	30-Zn-66	34-Se-74 >>
<< MT41 (α,2n+p)	MT45 (α,n+p+α) or MT5 (Cu64 production)	MT104 (α,d) >>



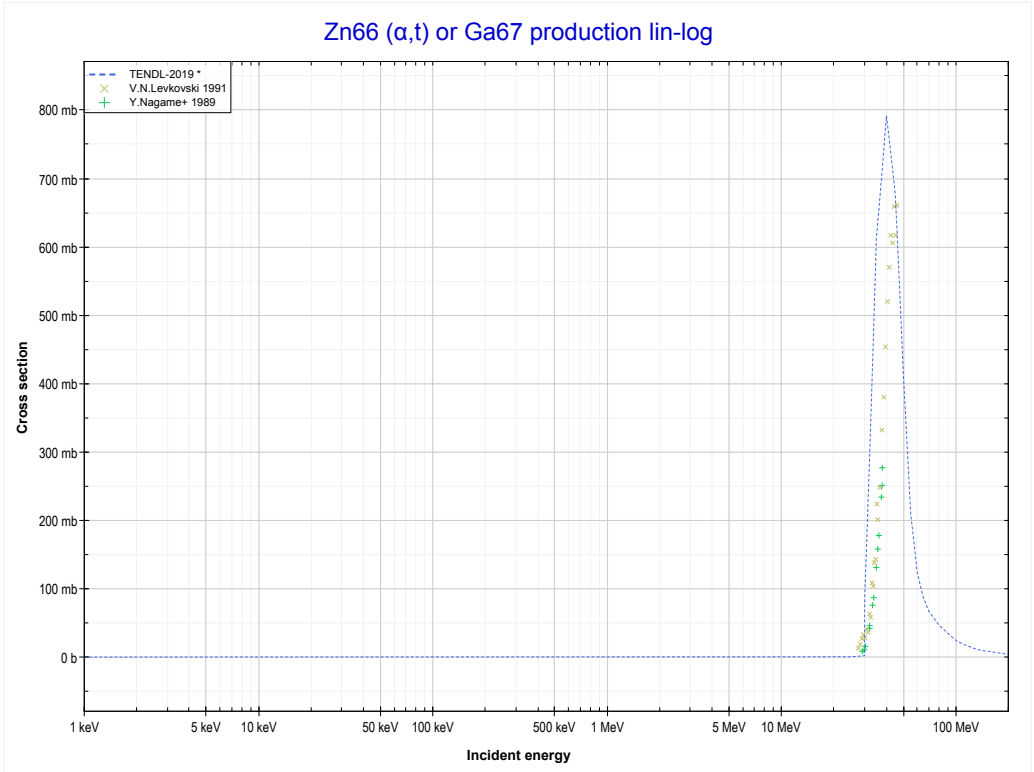
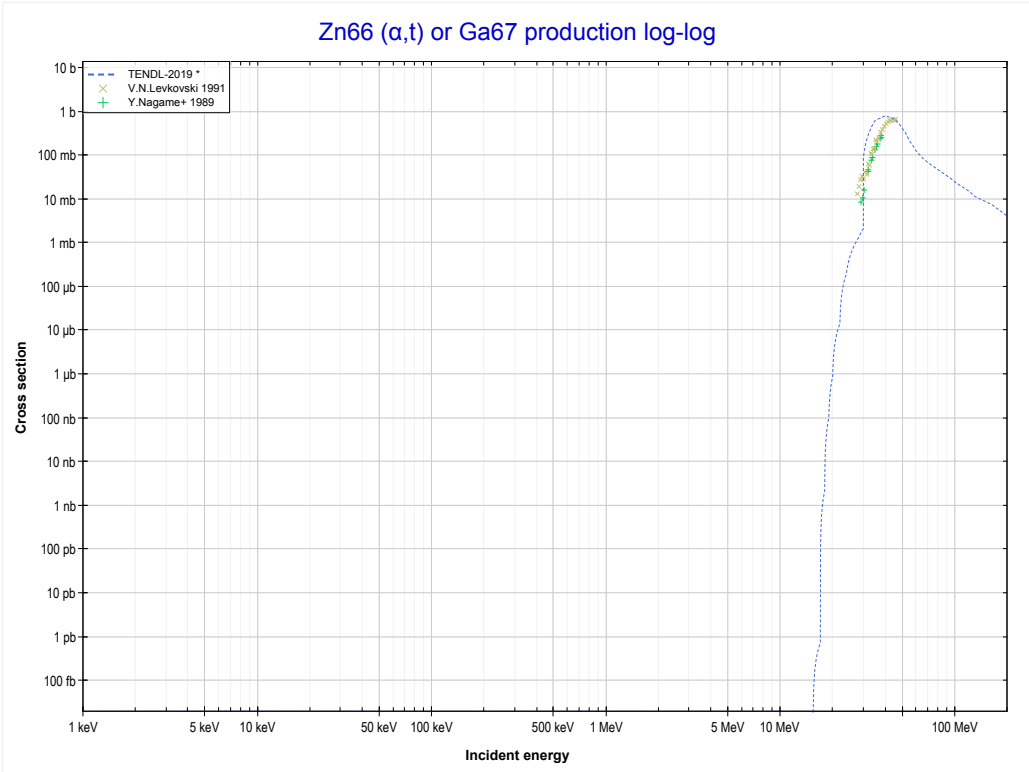
Reaction	Q-Value	Reaction	Q-Value
Zn66(α,d+α)Cu64	-16610.42 keV	Zn66(α,n+p+2d)Cu64	-42681.52 keV
Zn66(α,n+p+α)Cu64	-18834.99 keV	Zn66(α,2n+2p+d)Cu64	-44906.08 keV
Zn66(α,t+He3)Cu64	-30930.81 keV	Zn66(α,3n+3p)Cu64	-47130.65 keV
Zn66(α,p+d+t)Cu64	-36424.29 keV		
Zn66(α,n+d+He3)Cu64	-37188.04 keV		
Zn66(α,n+2p+t)Cu64	-38648.85 keV		
Zn66(α,2n+p+He3)Cu64	-39412.61 keV		
Zn66(α,3d)Cu64	-40456.95 keV		

<< 30-Zn-64	30-Zn-66	30-Zn-68 >>
<< MT45 (α,n+p+α)	MT104 (α,d) or MT5 (Ga68 production)	MT105 (α,t) >>



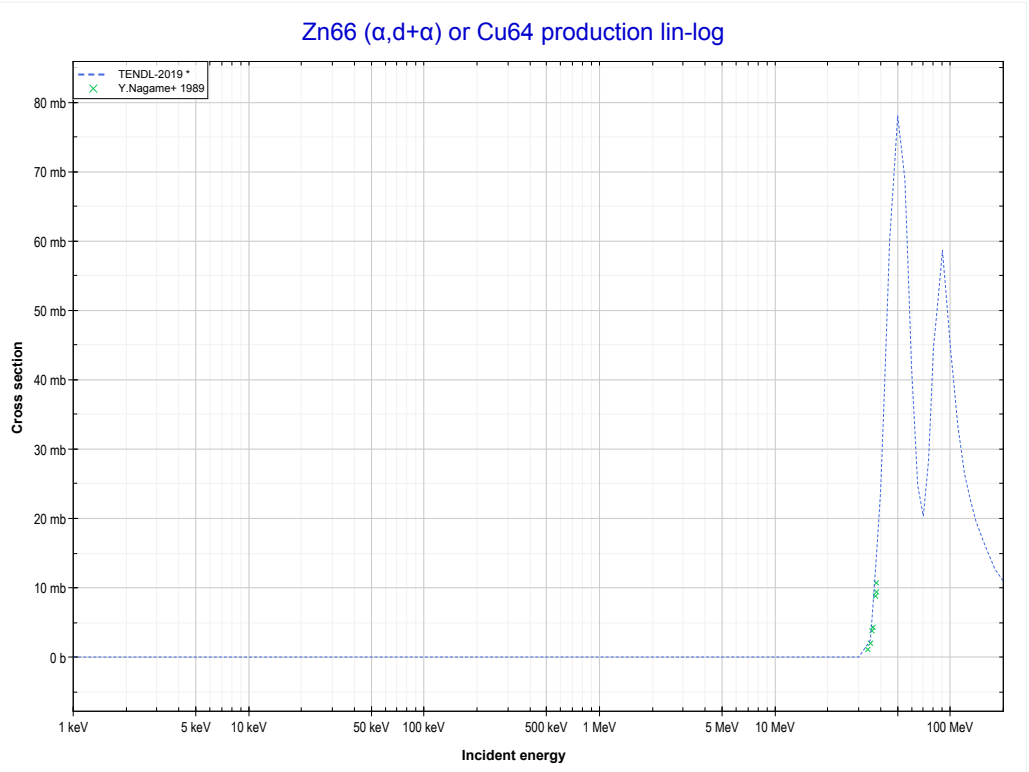
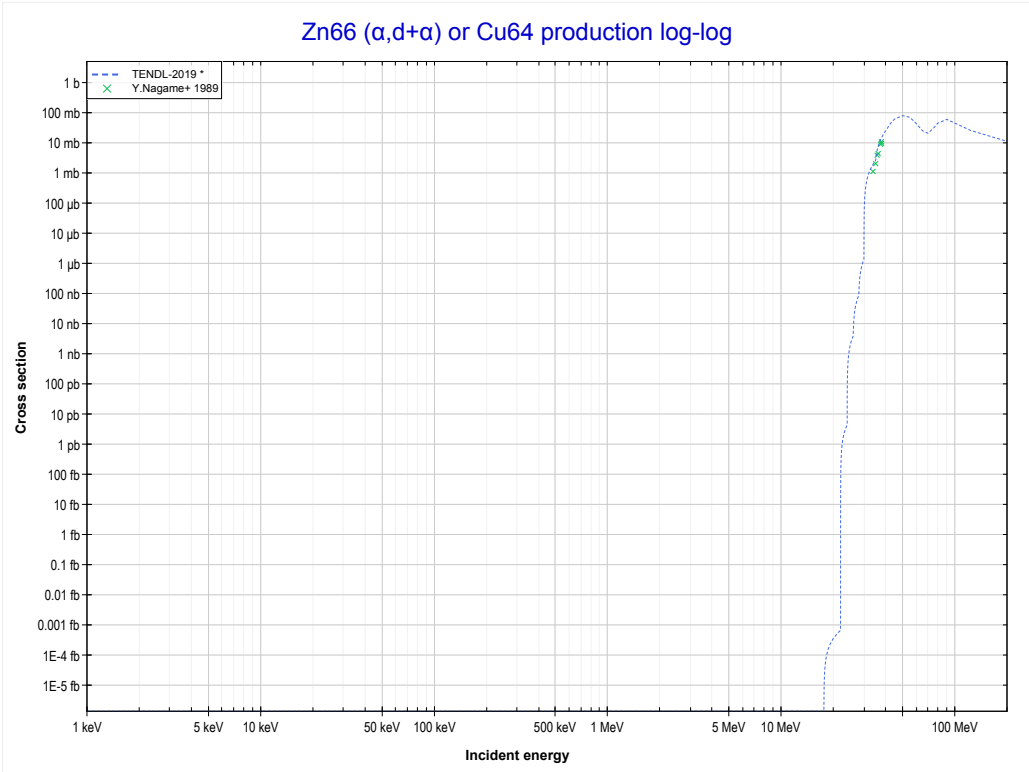
Reaction	Q-Value
Zn66(α,d)Ga68	-12524.01 keV
Zn66(α,n+p)Ga68	-14748.57 keV

<< 30-Zn-64	30-Zn-66	30-Zn-67 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Ga67 production)	MT117 (α,d+α) >>



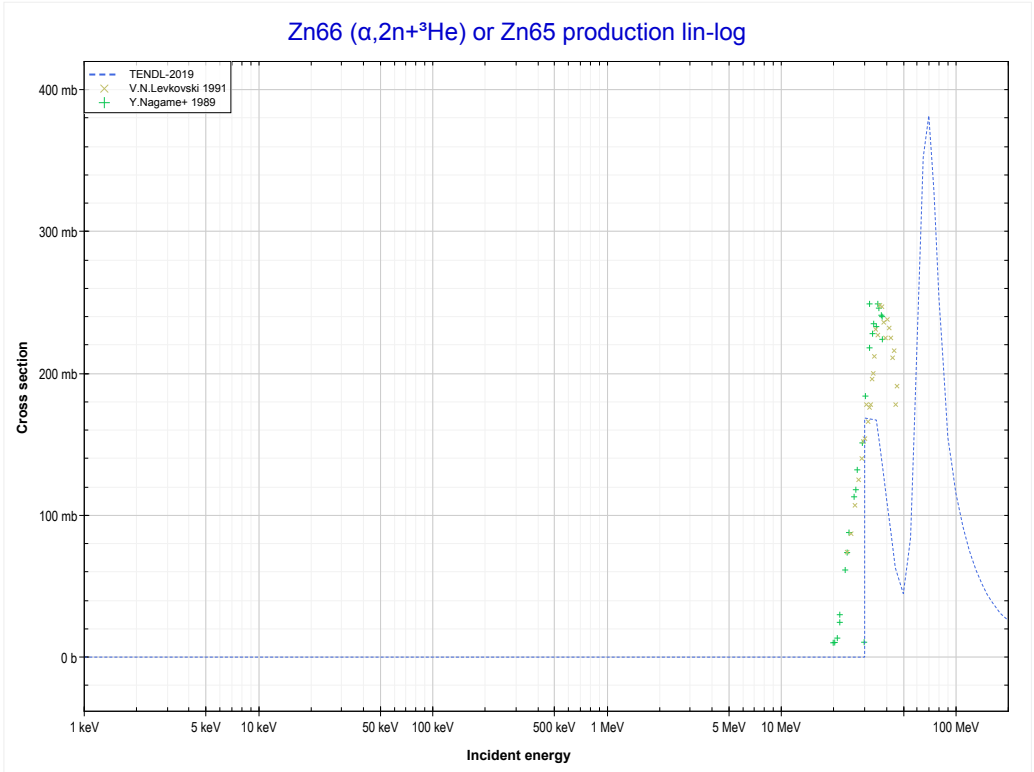
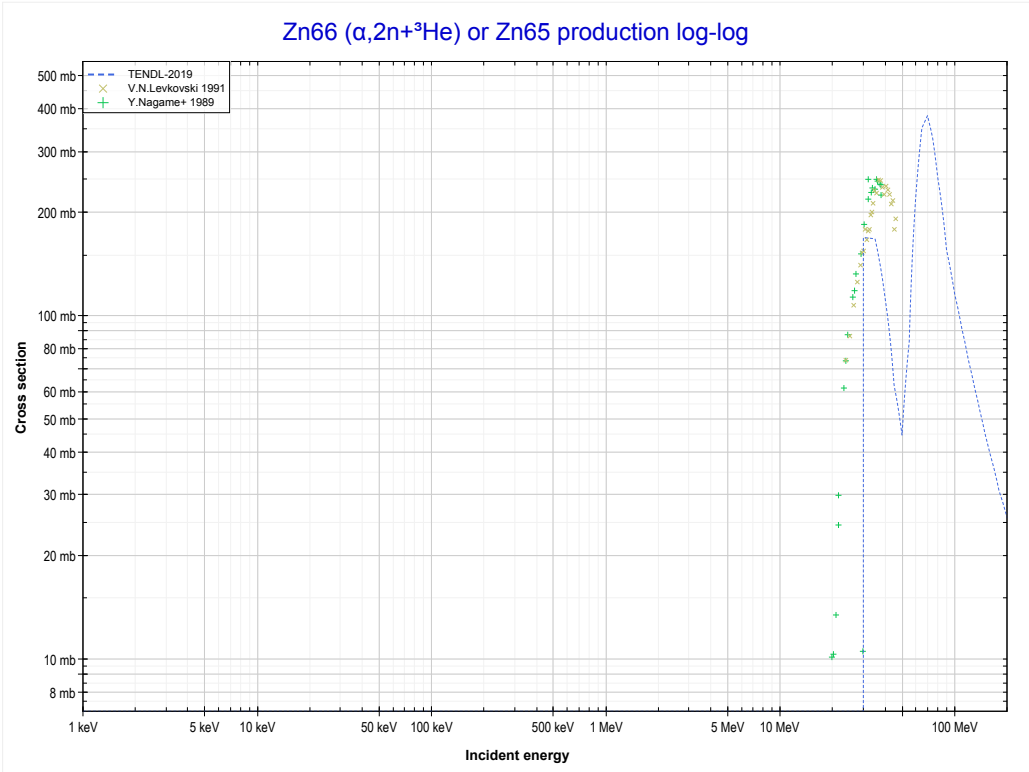
Reaction	Q-Value
Zn66(α,t)Ga67	-14545.09 keV
Zn66(α,n+d)Ga67	-20802.32 keV
Zn66(α,2n+p)Ga67	-23026.89 keV

<< 28-Ni-60	30-Zn-66	34-Se-74 >>
<< MT105 (α,t)	MT117 (α,d+α) or MT5 (Cu64 production)	MT176 (α,2n+ ³ He) >>



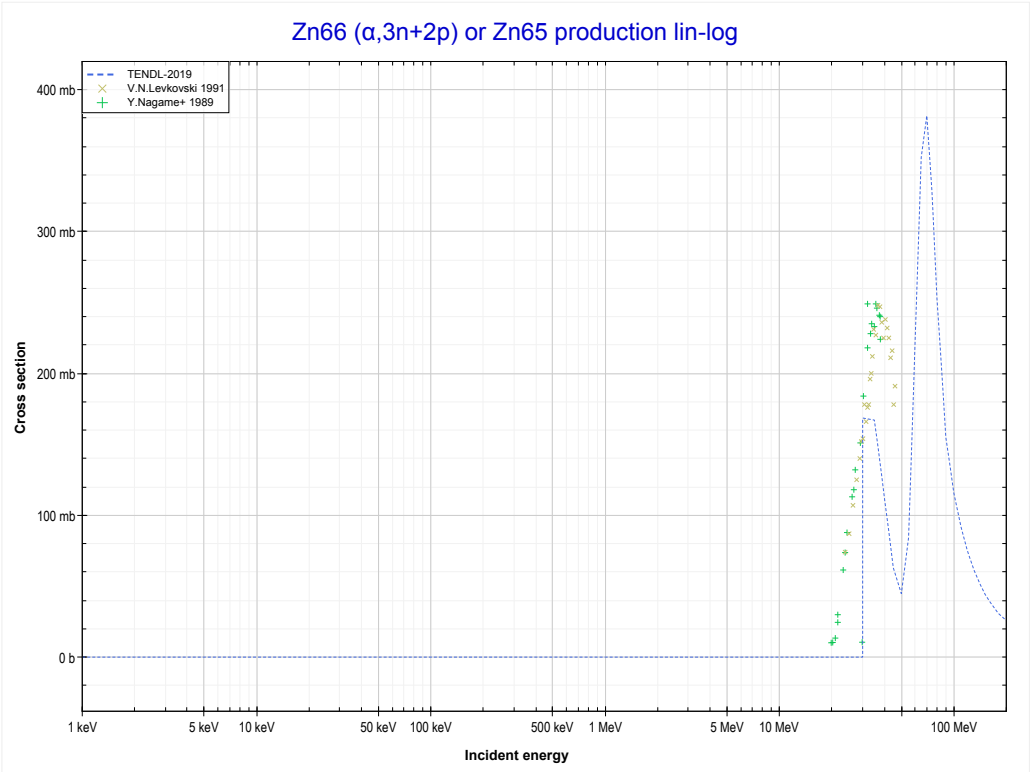
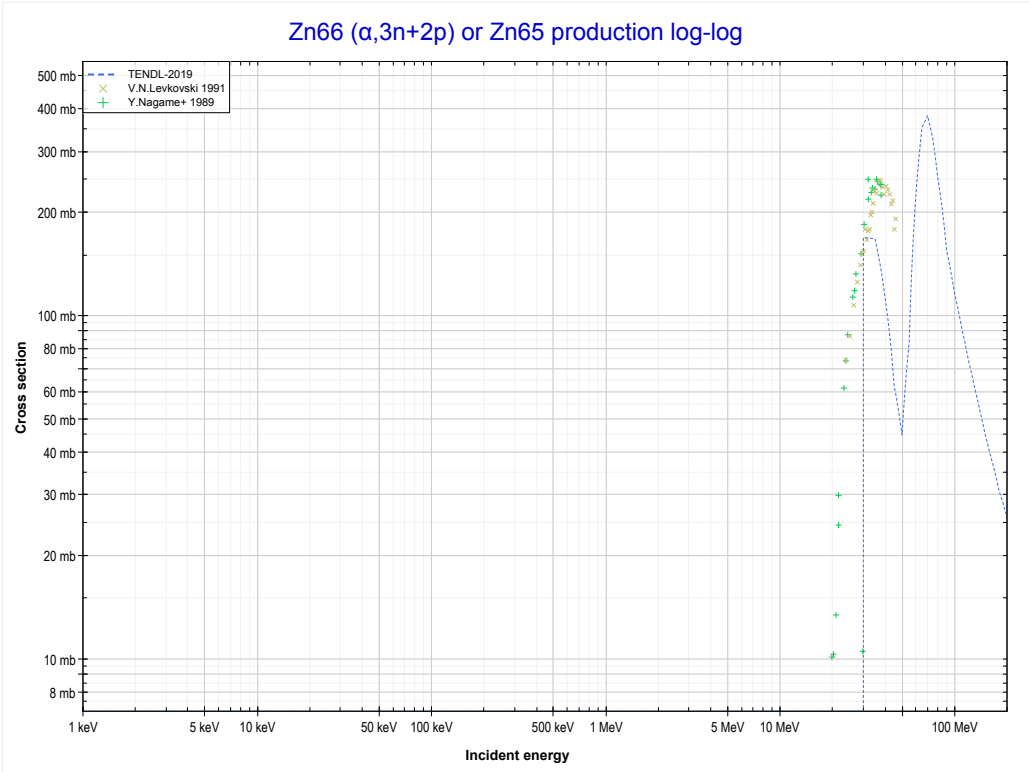
Reaction	Q-Value	Reaction	Q-Value
Zn66(α,d+α)Cu64	-16610.42 keV	Zn66(α,n+p+2d)Cu64	-42681.52 keV
Zn66(α,n+p+α)Cu64	-18834.99 keV	Zn66(α,2n+2p+d)Cu64	-44906.08 keV
Zn66(α,t+He3)Cu64	-30930.81 keV	Zn66(α,3n+3p)Cu64	-47130.65 keV
Zn66(α,p+d+t)Cu64	-36424.29 keV		
Zn66(α,n+d+He3)Cu64	-37188.04 keV		
Zn66(α,n+2p+t)Cu64	-38648.85 keV		
Zn66(α,2n+p+He3)Cu64	-39412.61 keV		
Zn66(α,3d)Cu64	-40456.95 keV		

<< 30-Zn-64	30-Zn-66	31-Ga-69 >>
<< MT117 (α,d+α)	MT176 (α,2n+ ³ He) or MT5 (Zn65 production)	MT179 (α,3n+2p) >>



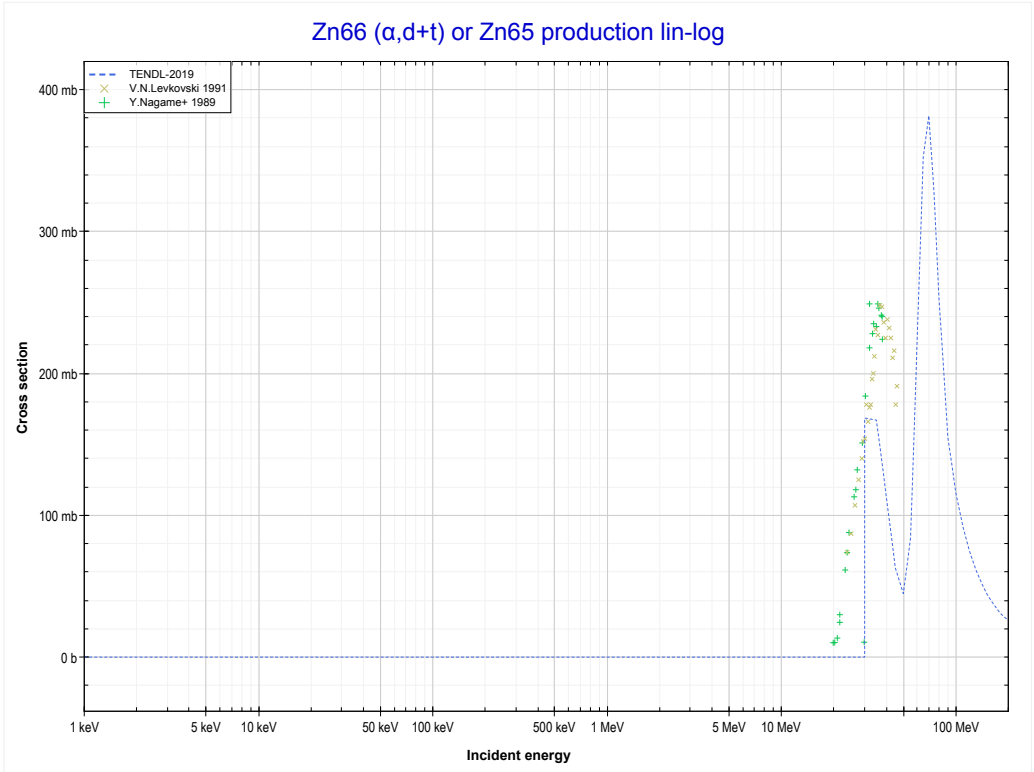
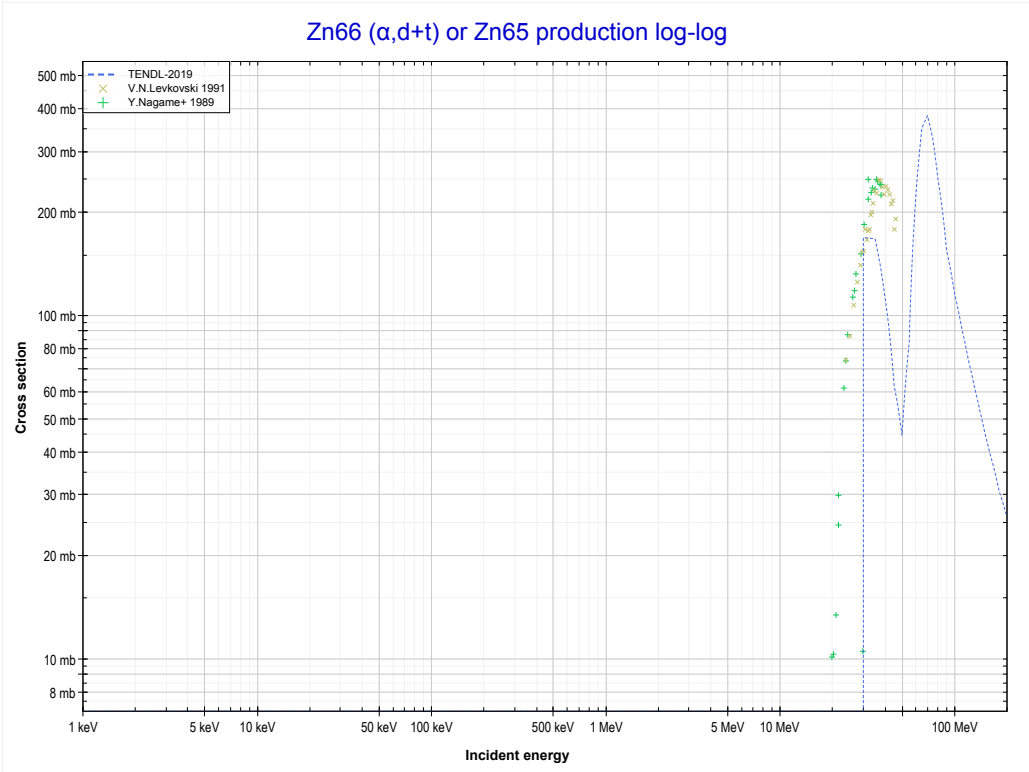
Reaction	Q-Value
Zn66(α,n+α)Zn65	-11058.52 keV
Zn66(α,d+t)Zn65	-28647.82 keV
Zn66(α,n+p+t)Zn65	-30872.38 keV
Zn66(α,2n+He3)Zn65	-31636.14 keV
Zn66(α,n+2d)Zn65	-34905.04 keV
Zn66(α,2n+p+d)Zn65	-37129.61 keV
Zn66(α,3n+2p)Zn65	-39354.18 keV

<< 30-Zn-64	30-Zn-66	31-Ga-69 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Zn65 production)	MT182 ($\alpha,d+t$) >>



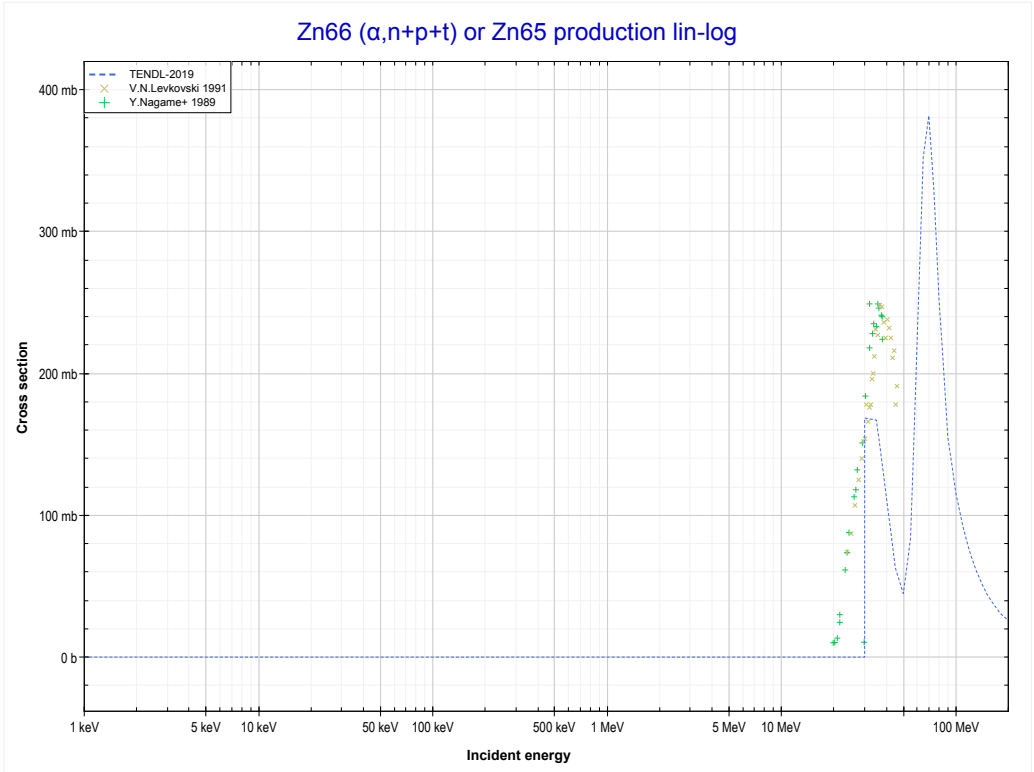
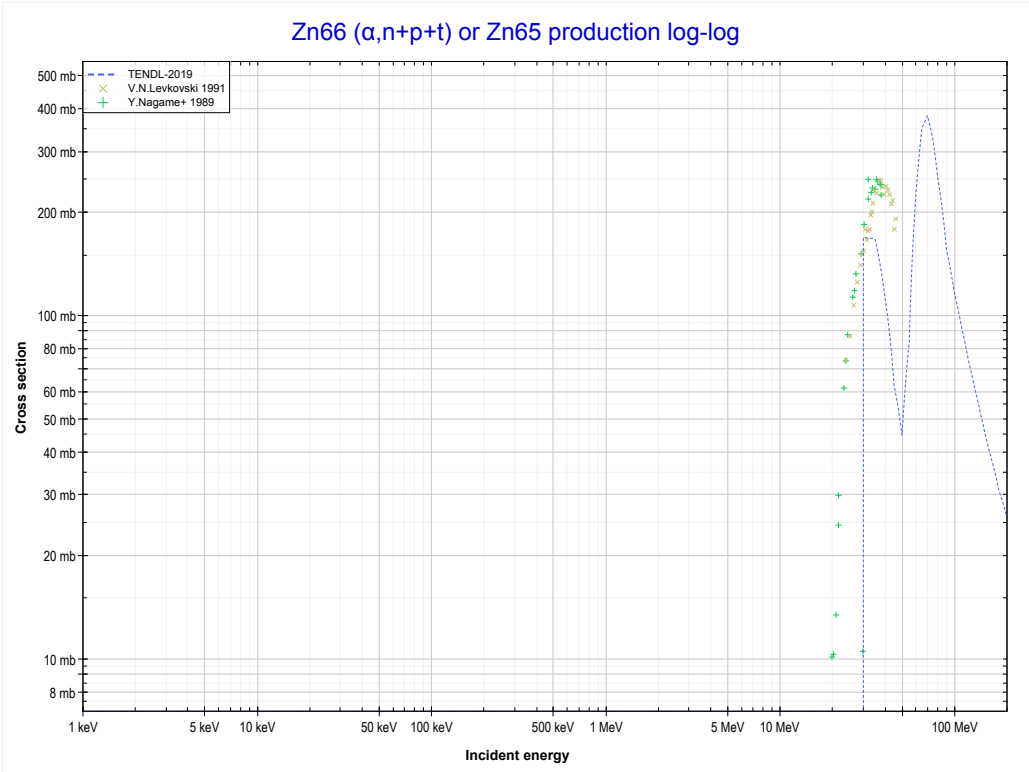
Reaction	Q-Value
Zn66($\alpha,n+\alpha$)Zn65	-11058.52 keV
Zn66($\alpha,d+t$)Zn65	-28647.82 keV
Zn66($\alpha,n+p+t$)Zn65	-30872.38 keV
Zn66($\alpha,2n+\text{He3}$)Zn65	-31636.14 keV
Zn66($\alpha,n+2d$)Zn65	-34905.04 keV
Zn66($\alpha,2n+p+d$)Zn65	-37129.61 keV
Zn66($\alpha,3n+2p$)Zn65	-39354.18 keV

<< 30-Zn-64	30-Zn-66	31-Ga-69 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Zn65 production)	MT184 ($\alpha,n+p+t$) >>



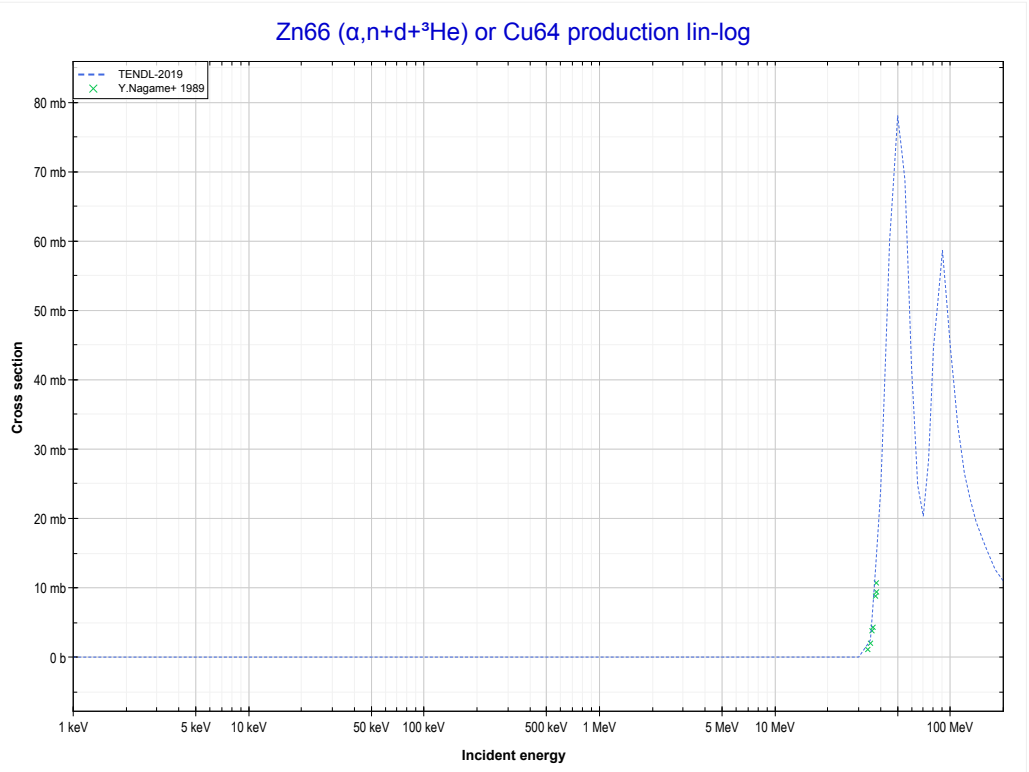
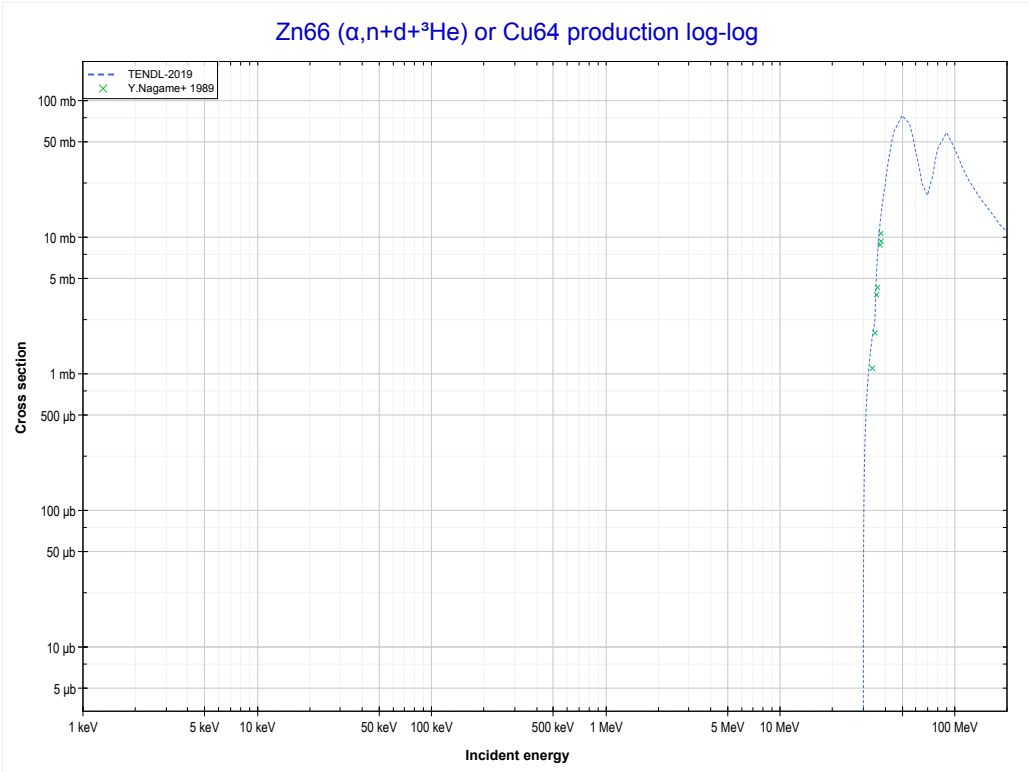
Reaction	Q-Value
Zn66($\alpha,n+\alpha$)Zn65	-11058.52 keV
Zn66($\alpha,d+t$)Zn65	-28647.82 keV
Zn66($\alpha,n+p+t$)Zn65	-30872.38 keV
Zn66($\alpha,2n+He3$)Zn65	-31636.14 keV
Zn66($\alpha,n+2d$)Zn65	-34905.04 keV
Zn66($\alpha,2n+p+d$)Zn65	-37129.61 keV
Zn66($\alpha,3n+2p$)Zn65	-39354.18 keV

<< 30-Zn-64	30-Zn-66	31-Ga-69 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Zn65 production)	MT187 (α,n+d+³He) >>



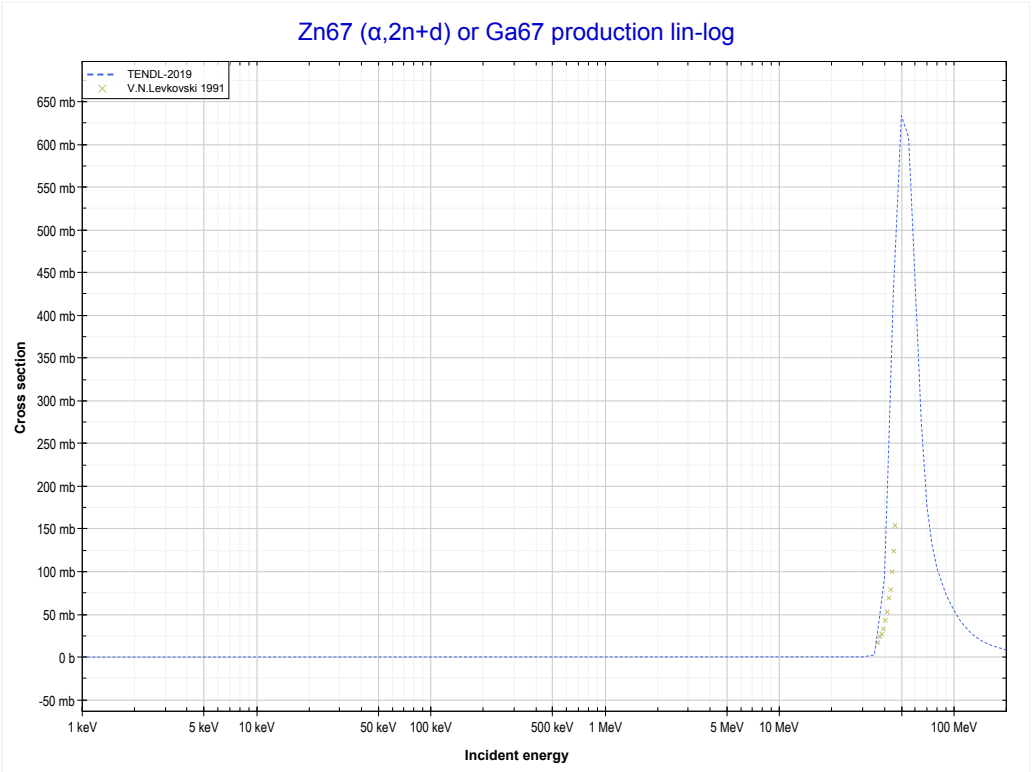
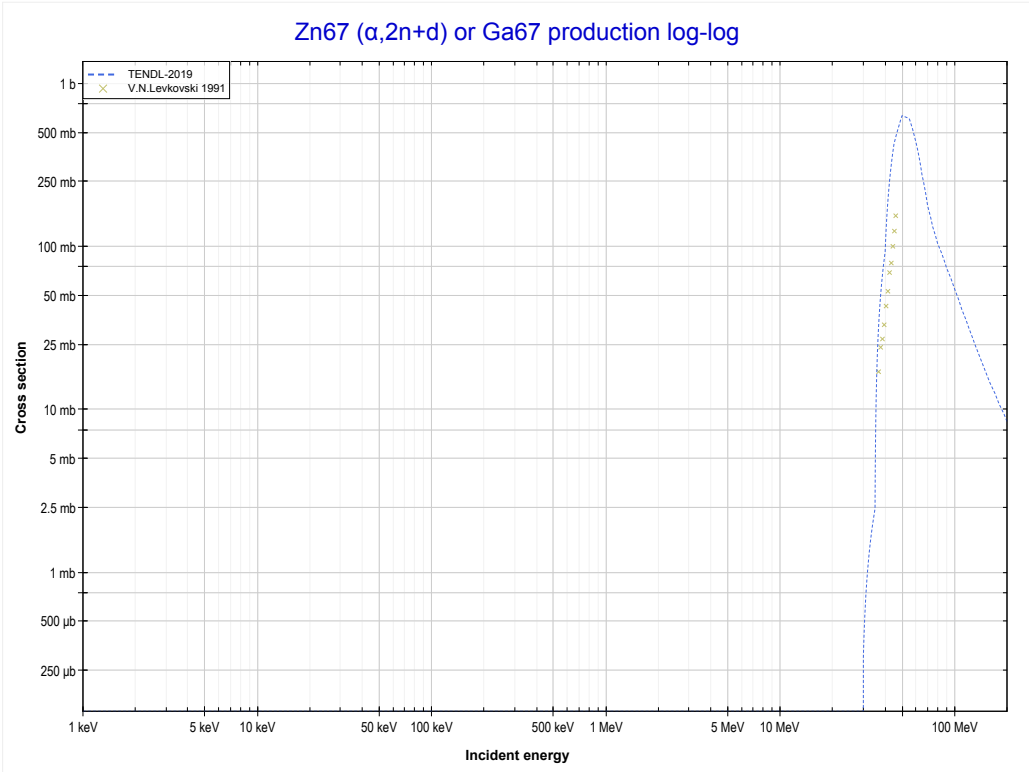
Reaction	Q-Value
Zn66(α,n+α)Zn65	-11058.52 keV
Zn66(α,d+t)Zn65	-28647.82 keV
Zn66(α,n+p+t)Zn65	-30872.38 keV
Zn66(α,2n+He3)Zn65	-31636.14 keV
Zn66(α,n+2d)Zn65	-34905.04 keV
Zn66(α,2n+p+d)Zn65	-37129.61 keV
Zn66(α,3n+2p)Zn65	-39354.18 keV

<< 28-Ni-60	30-Zn-66	34-Se-74 >>
<< MT184 (α ,n+p+t)	MT187 (α ,n+d+ ^3He) or MT5 (Cu64 production)	30-Zn-67 MT11 (α ,2n+d) >>



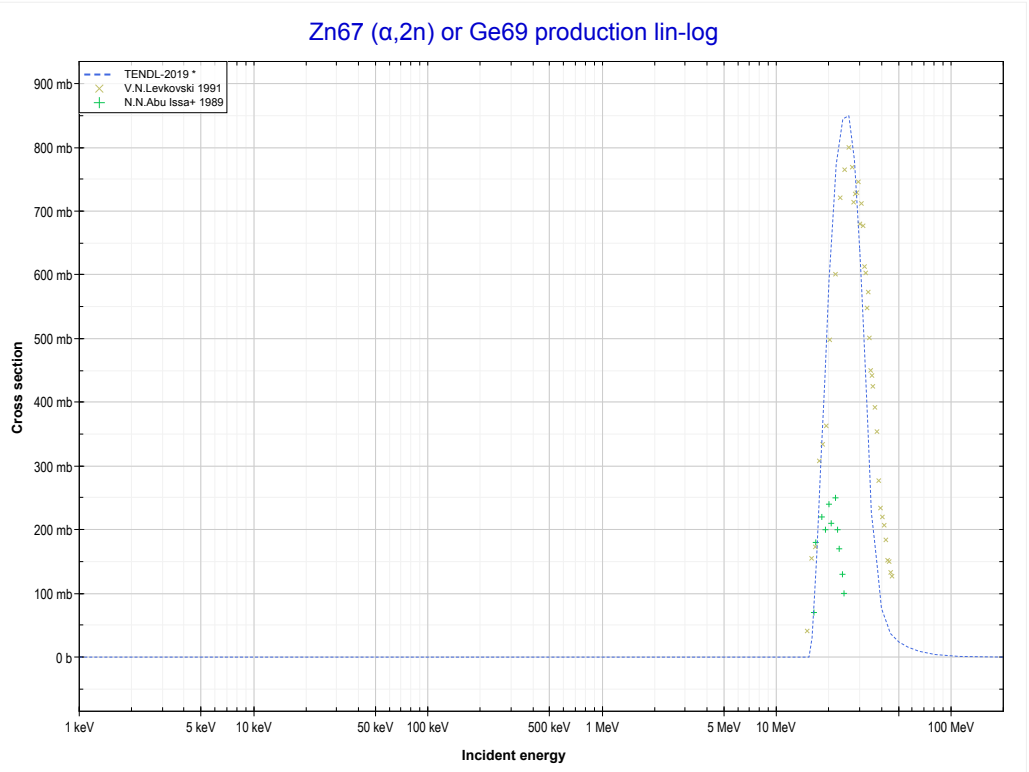
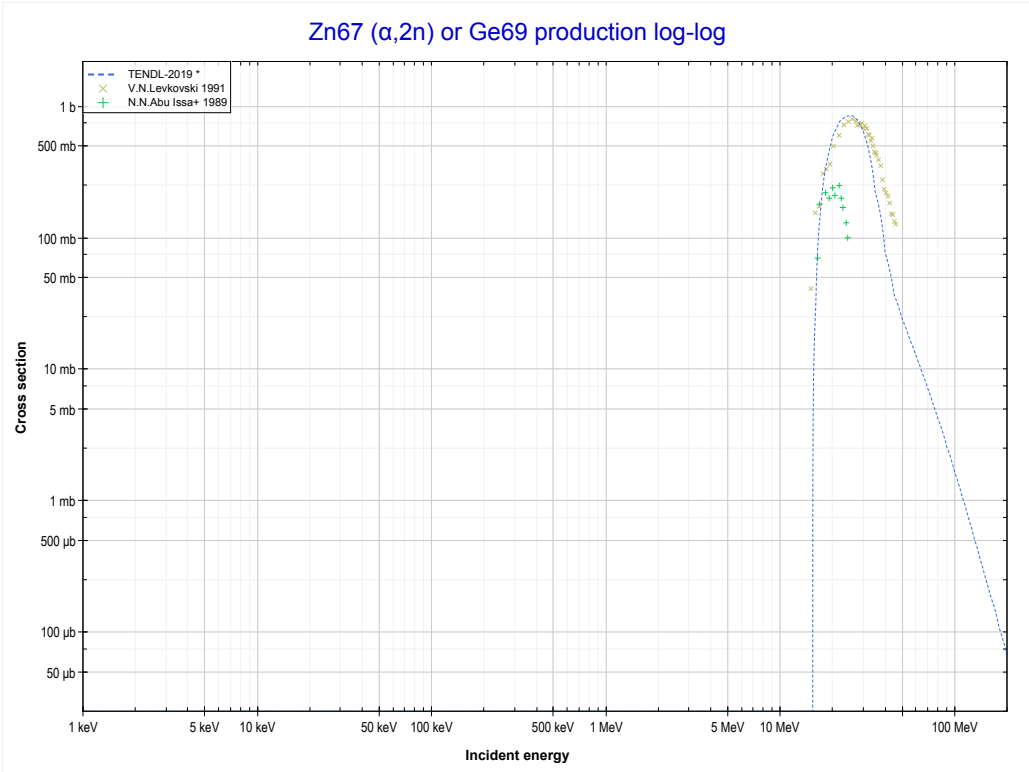
Reaction	Q-Value	Reaction	Q-Value
Zn66(α ,d+ α)Cu64	-16610.42 keV	Zn66(α ,n+p+2d)Cu64	-42681.52 keV
Zn66(α ,n+p+ α)Cu64	-18834.99 keV	Zn66(α ,2n+2p+d)Cu64	-44906.08 keV
Zn66(α ,t+He3)Cu64	-30930.81 keV	Zn66(α ,3n+3p)Cu64	-47130.65 keV
Zn66(α ,p+d+t)Cu64	-36424.29 keV		
Zn66(α ,n+d+He3)Cu64	-37188.04 keV		
Zn66(α ,n+2p+t)Cu64	-38648.85 keV		
Zn66(α ,2n+p+He3)Cu64	-39412.61 keV		
Zn66(α ,3d)Cu64	-40456.95 keV		

<< 23-V-51	30-Zn-67	30-Zn-68 >>
<< 30-Zn-66 MT187 ($\alpha,n+d+^3\text{He}$)	MT11 ($\alpha,2n+d$) or MT5 (Ga67 production)	MT16 ($\alpha,2n$) >>



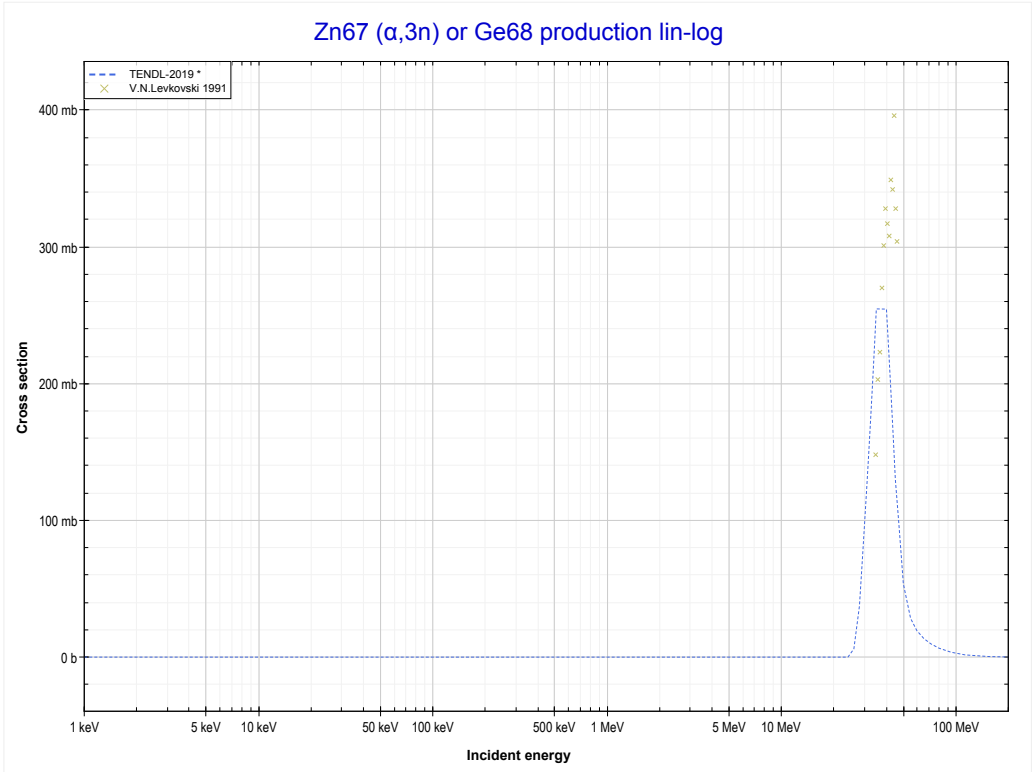
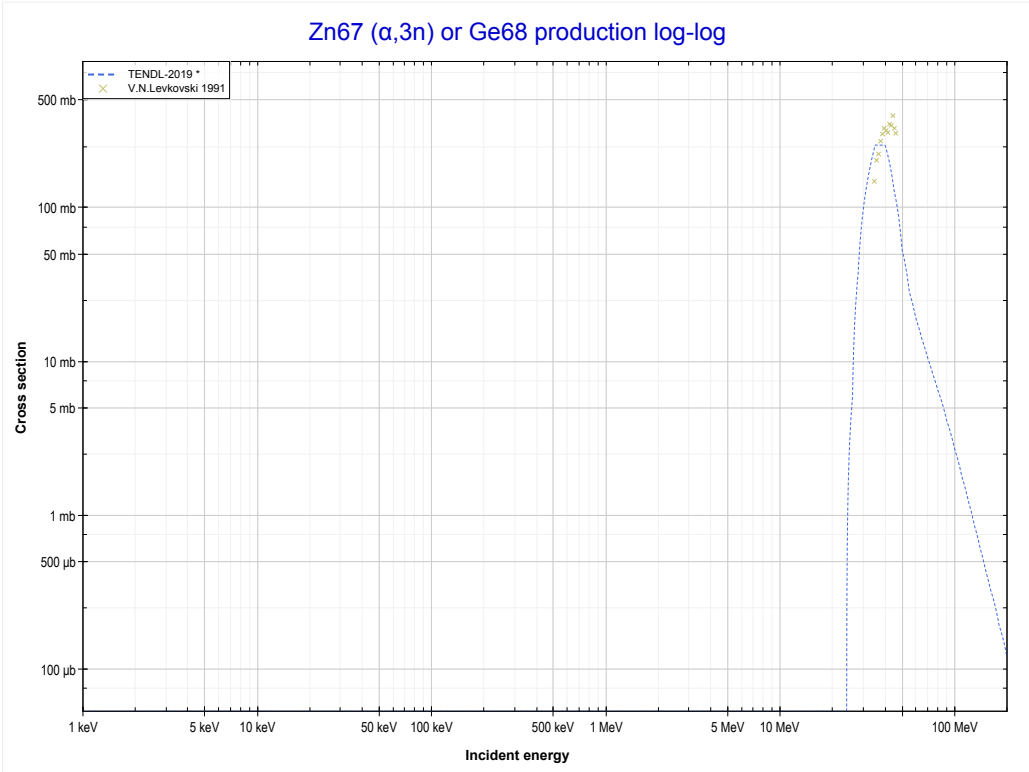
Reaction	Q-Value
Zn67($\alpha,n+t$)Ga67	-21597.51 keV
Zn67($\alpha,2n+d$)Ga67	-27854.74 keV
Zn67($\alpha,3n+p$)Ga67	-30079.31 keV

<< 30-Zn-66	30-Zn-67	31-Ga-69 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (Ge69 production)	MT17 ($\alpha,3n$) >>



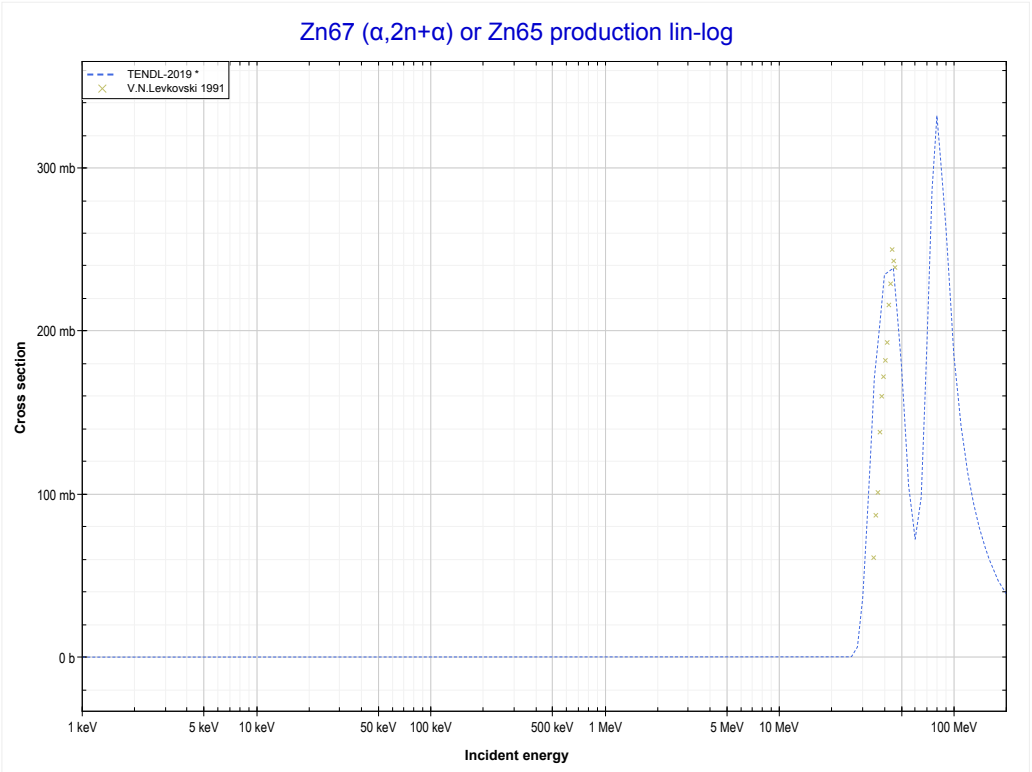
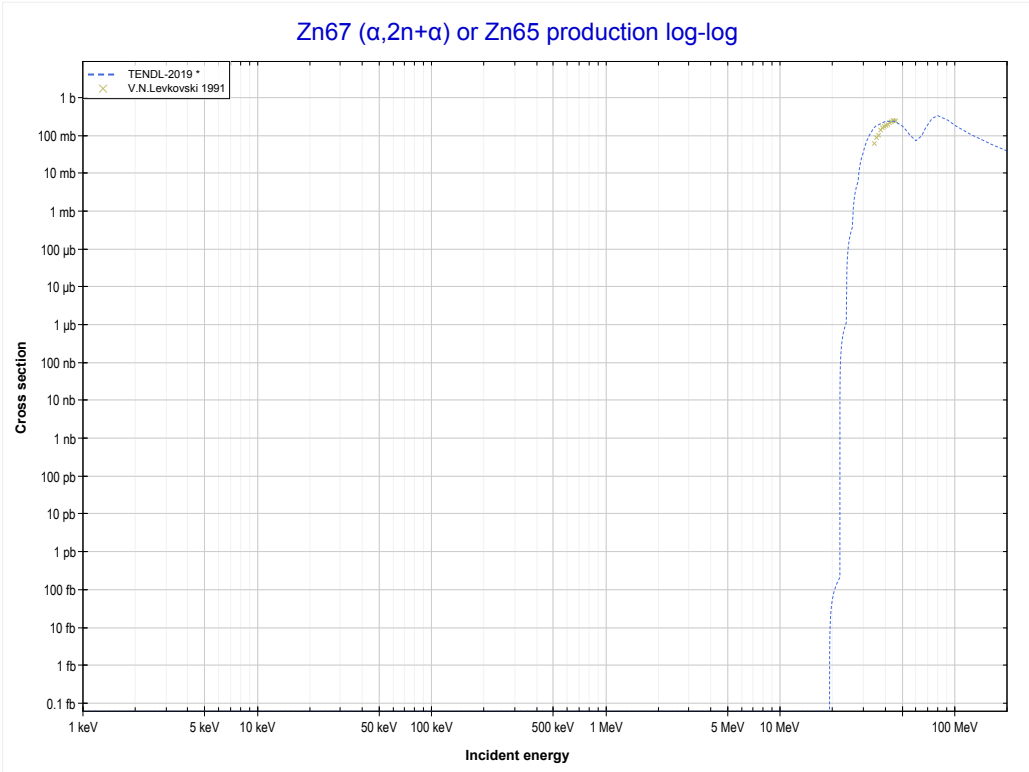
Reaction	Q-Value
Zn67($\alpha,2n$)Ge69	-14497.32 keV

<< 30-Zn-66	30-Zn-67	30-Zn-68 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Ge68 production)	MT24 (α,2n+α) >>



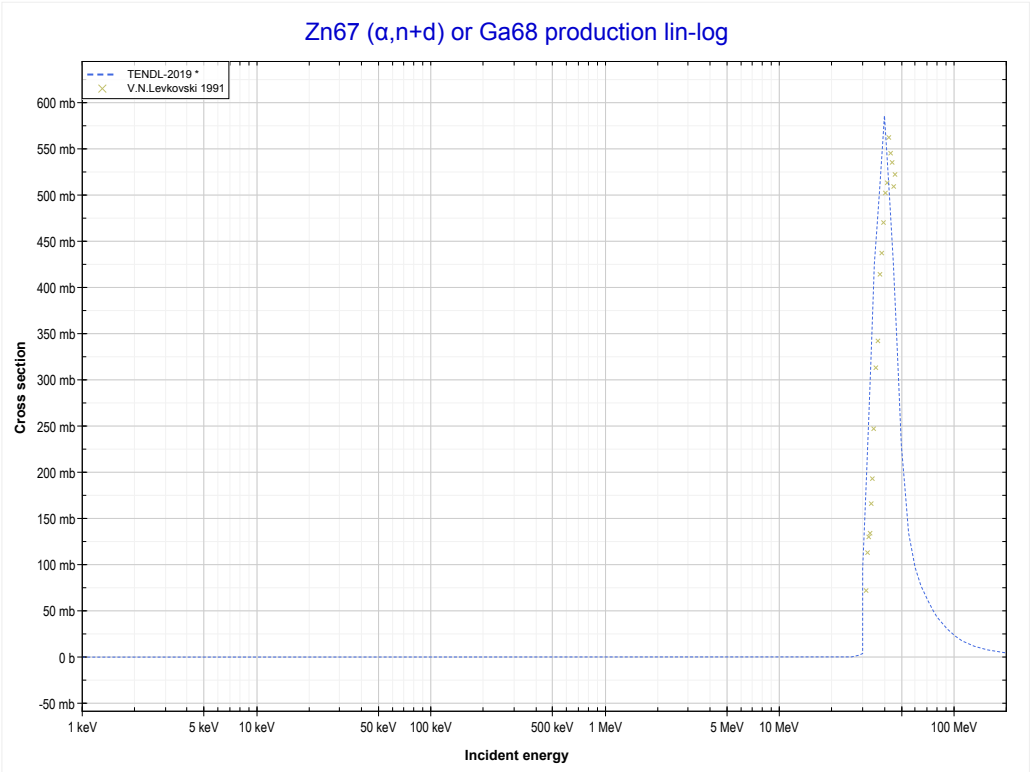
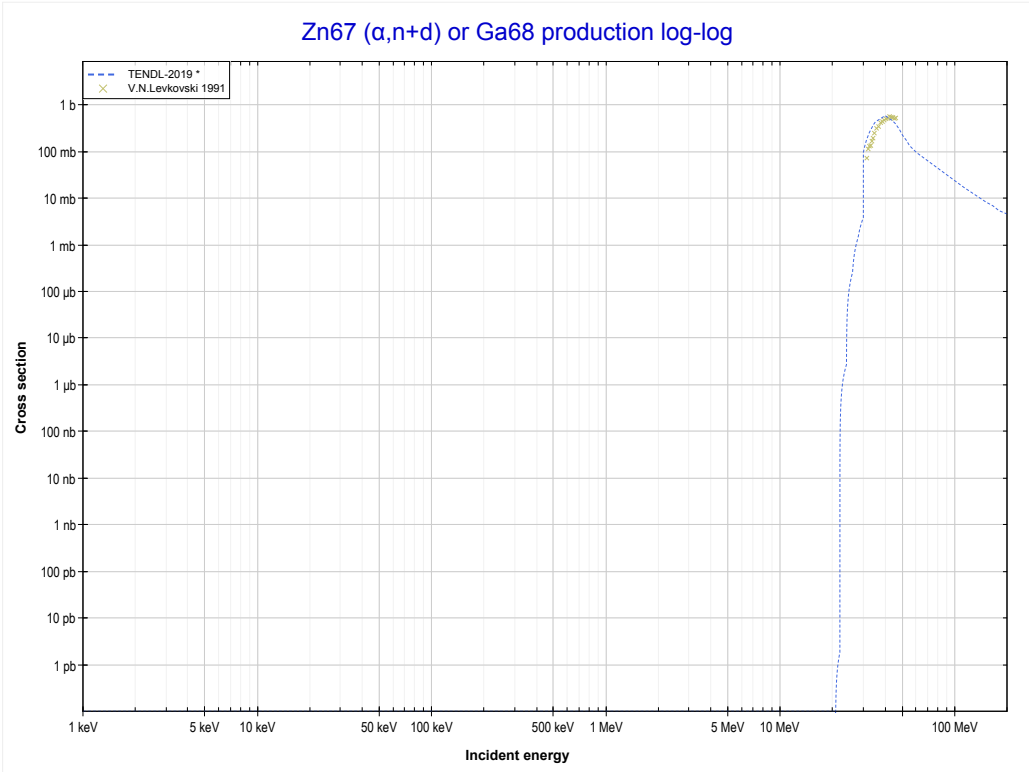
Reaction	Q-Value
Zn67(α,3n)Ge68	-22690.54 keV

<< 30-Zn-64	30-Zn-67	31-Ga-69 >>
<< MT17 (α,3n)	MT24 (α,2n+α) or MT5 (Zn65 production)	MT32 (α,n+d) >>



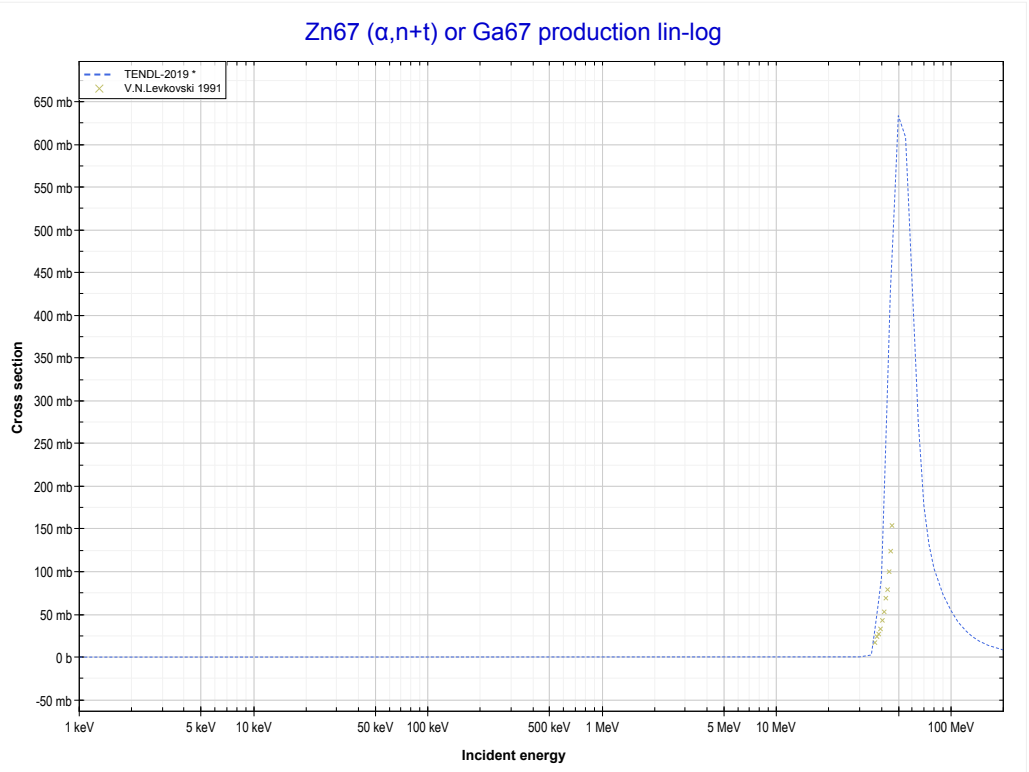
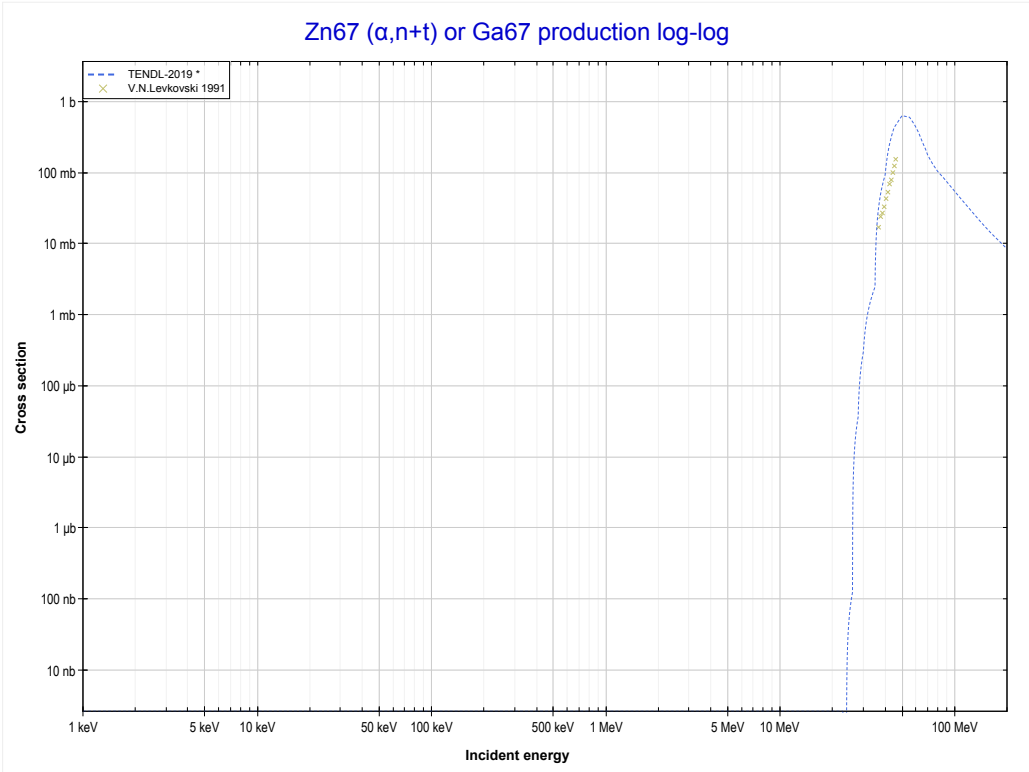
Reaction	Q-Value
Zn67(α,2n+α)Zn65	-18110.93 keV
Zn67(α,2t)Zn65	-29443.00 keV
Zn67(α,n+d+t)Zn65	-35700.23 keV
Zn67(α,2n+p+t)Zn65	-37924.80 keV
Zn67(α,3n+He3)Zn65	-38688.55 keV
Zn67(α,2n+2d)Zn65	-41957.46 keV
Zn67(α,3n+p+d)Zn65	-44182.03 keV
Zn67(α,4n+2p)Zn65	-46406.59 keV

<< 30-Zn-66	30-Zn-67	32-Ge-73 >>
<< MT24 ($\alpha,2n+\alpha$)	MT32 ($\alpha,n+d$) or MT5 (Ga68 production)	MT33 ($\alpha,n+t$) >>



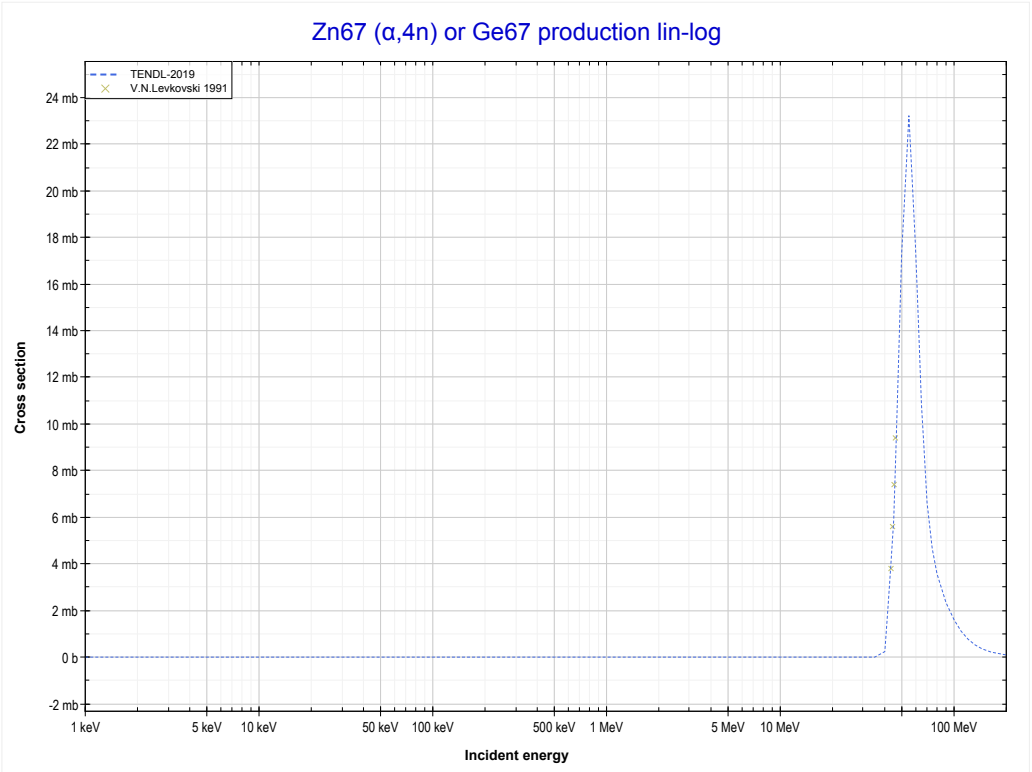
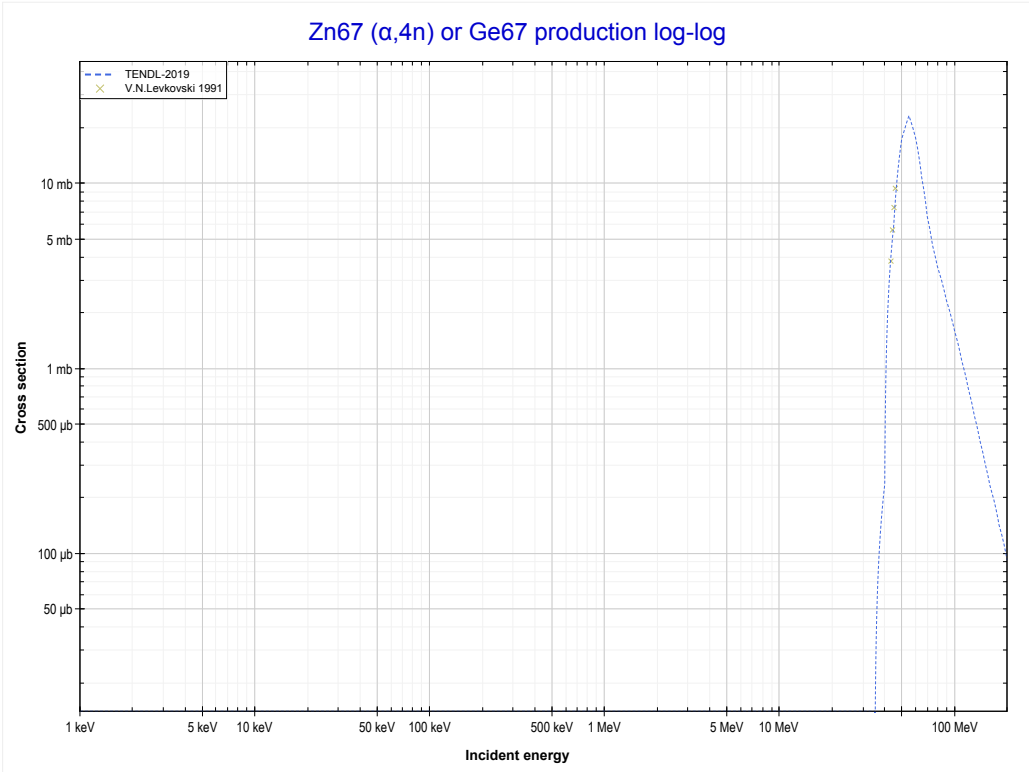
Reaction	Q-Value
Zn67(α,t)Ga68	-13319.19 keV
Zn67($\alpha,n+d$)Ga68	-19576.42 keV
Zn67($\alpha,2n+p$)Ga68	-21800.99 keV

<< 23-V-51	30-Zn-67	30-Zn-68 >>
<< MT32 (α,n+d)	MT33 (α,n+t) or MT5 (Ga67 production)	MT37 (α,4n) >>



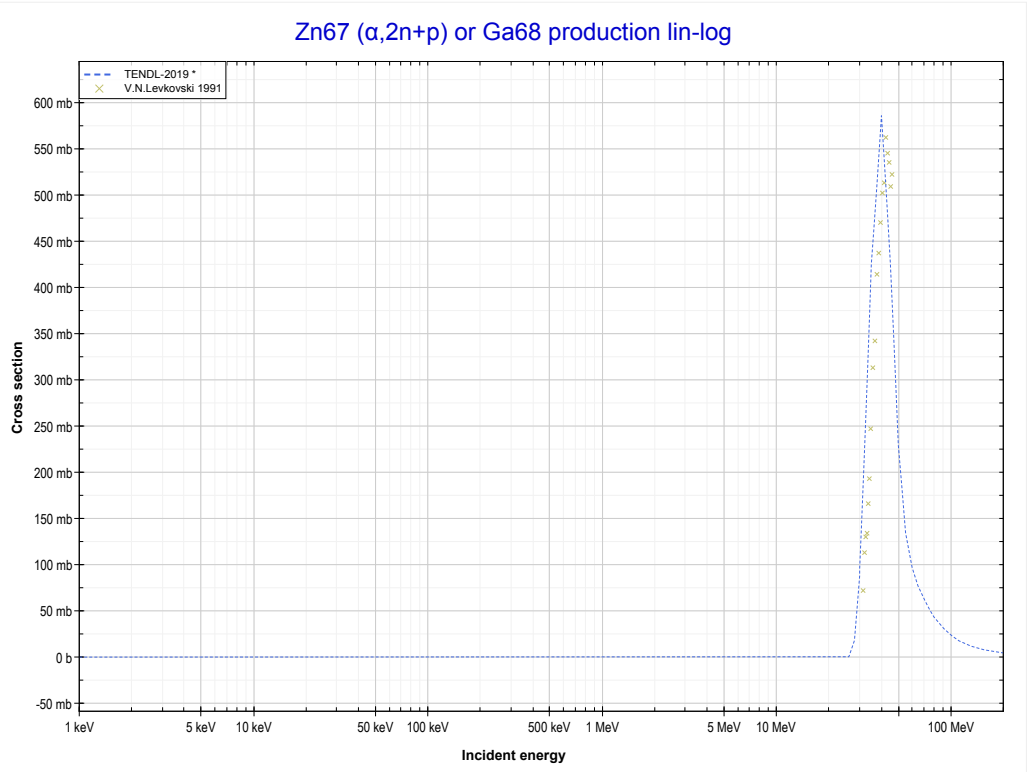
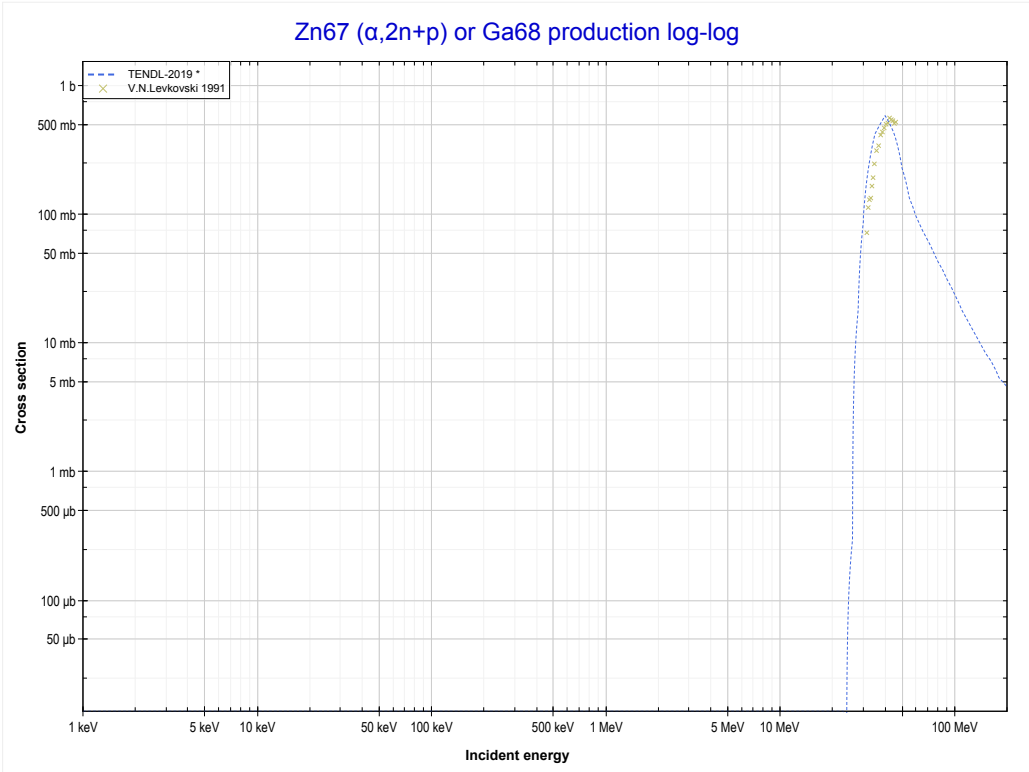
Reaction	Q-Value
Zn67(α,n+t)Ga67	-21597.51 keV
Zn67(α,2n+d)Ga67	-27854.74 keV
Zn67(α,3n+p)Ga67	-30079.31 keV

<< 26-Fe-56	30-Zn-67	31-Ga-71 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Ge67 production)	MT41 ($\alpha,2n+p$) >>



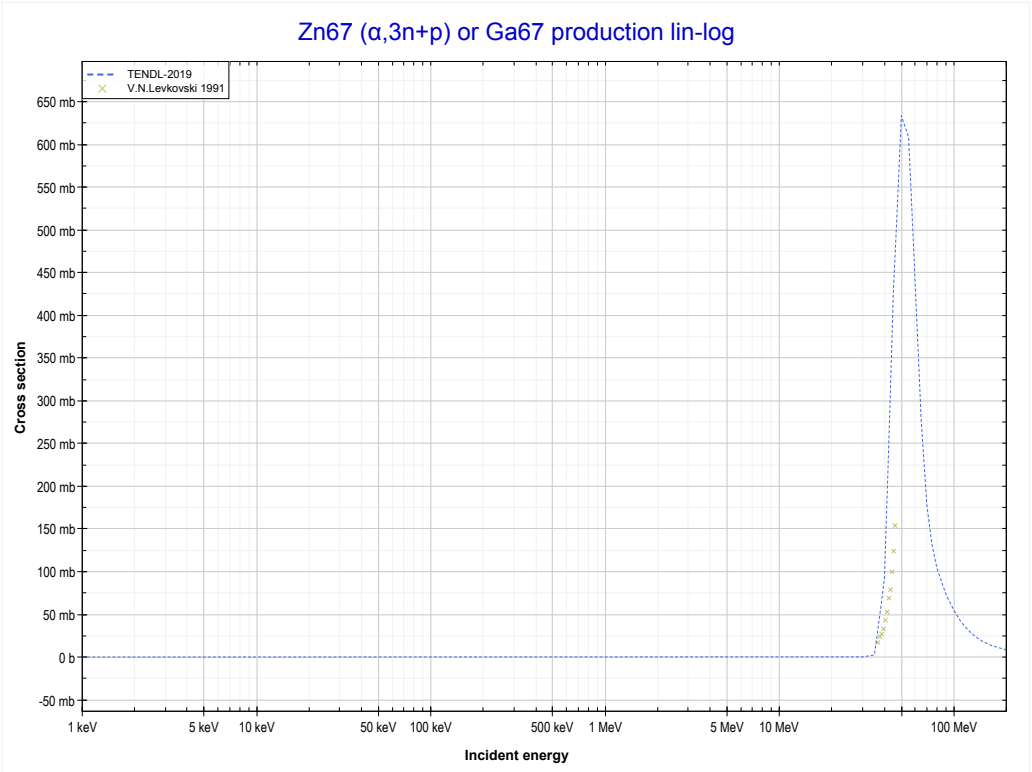
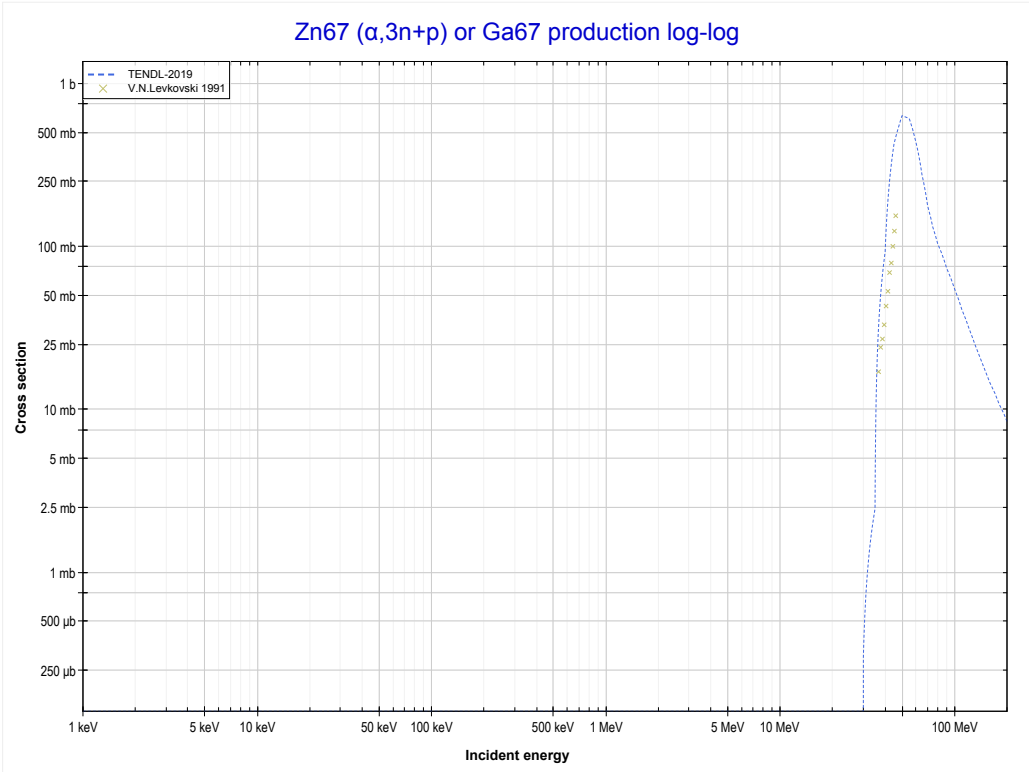
Reaction	Q-Value
Zn67($\alpha,4n$)Ge67	-35082.65 keV

<< 30-Zn-66	30-Zn-67	32-Ge-73 >>
<< MT37 (α,4n)	MT41 (α,2n+p) or MT5 (Ga68 production)	MT42 (α,3n+p) >>



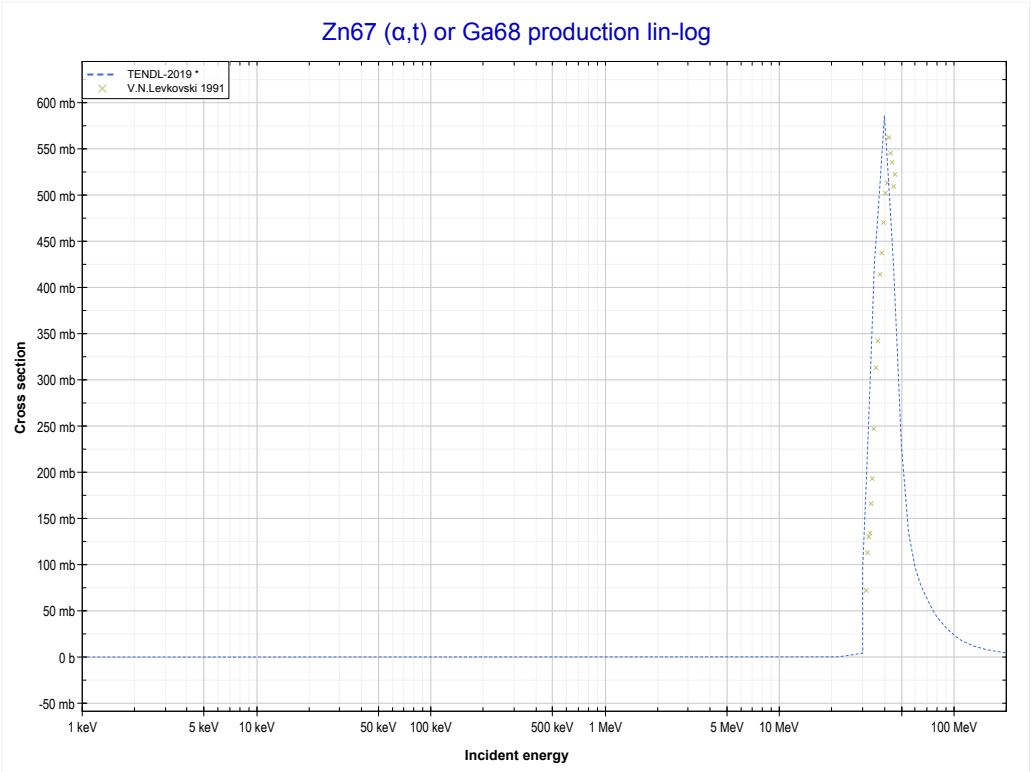
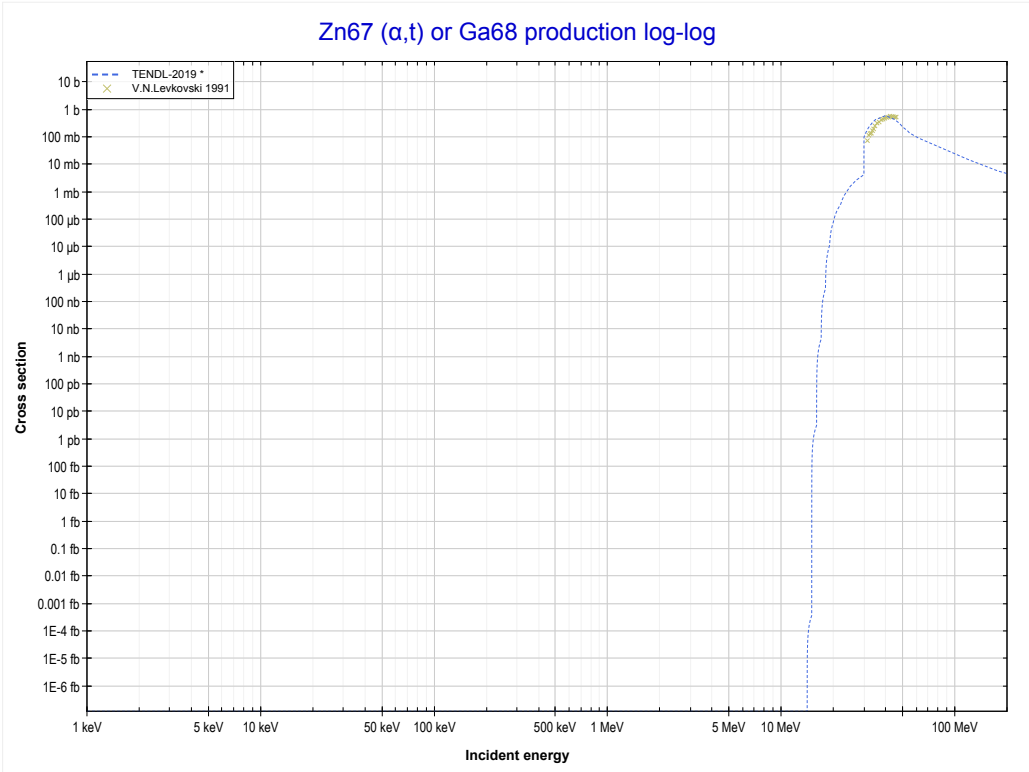
Reaction	Q-Value
Zn67(α,t)Ga68	-13319.19 keV
Zn67(α,n+d)Ga68	-19576.42 keV
Zn67(α,2n+p)Ga68	-21800.99 keV

<< 26-Fe-56	30-Zn-67	30-Zn-68 >>
<< MT41 (α ,2n+p)	MT42 (α ,3n+p) or MT5 (Ga67 production)	MT105 (α ,t) >>



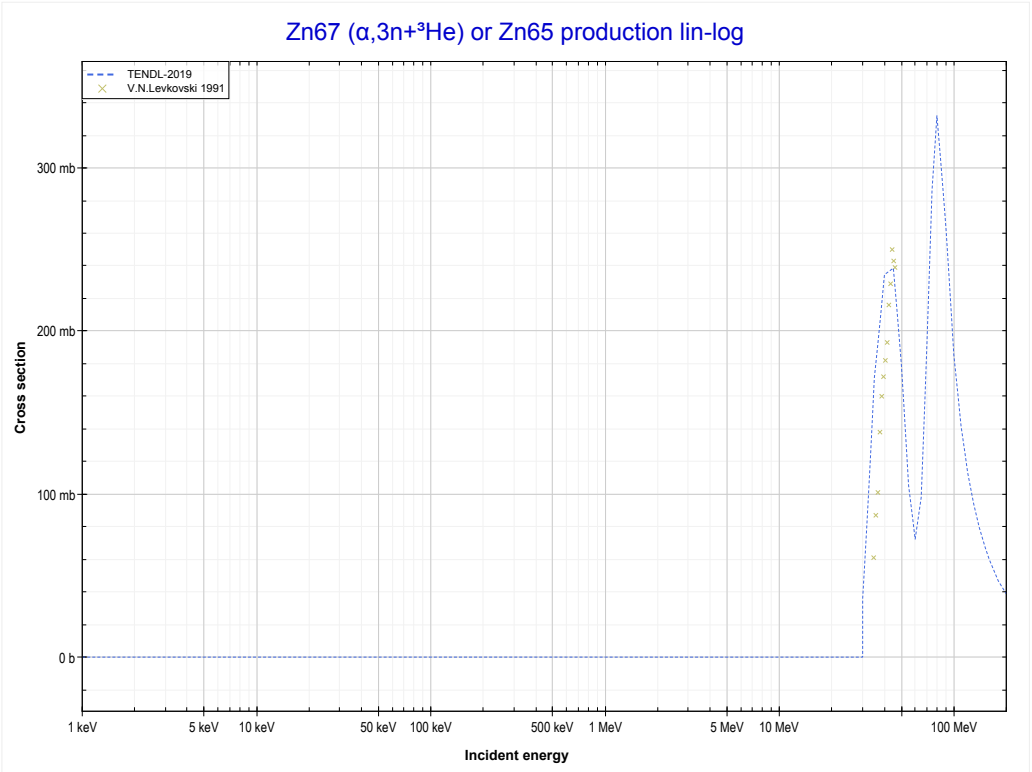
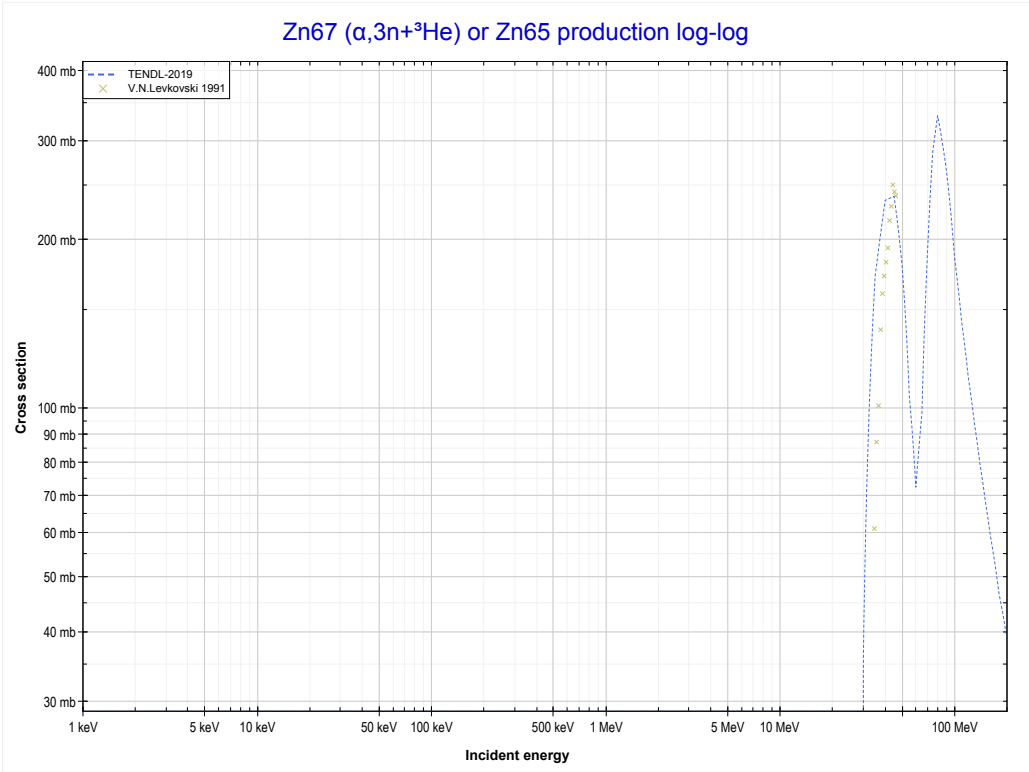
Reaction	Q-Value
Zn67(α ,n+t)Ga67	-21597.51 keV
Zn67(α ,2n+d)Ga67	-27854.74 keV
Zn67(α ,3n+p)Ga67	-30079.31 keV

<< 30-Zn-66	30-Zn-67	32-Ge-73 >>
<< MT42 ($\alpha,3n+p$)	MT105 (α,t) or MT5 (Ga68 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



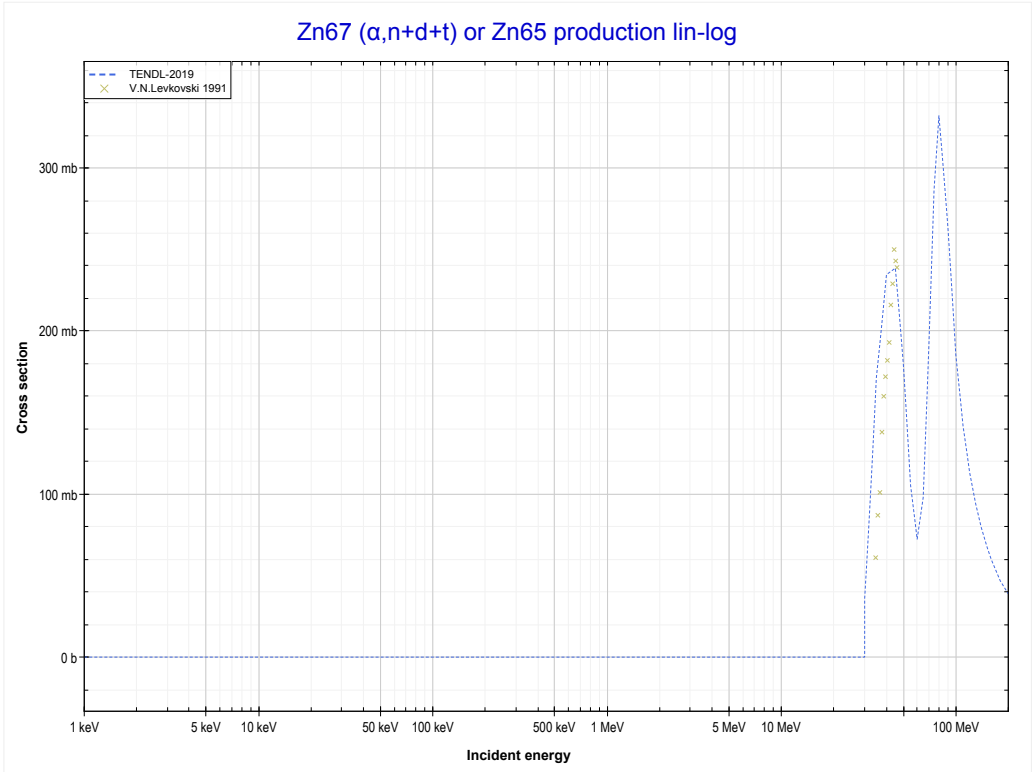
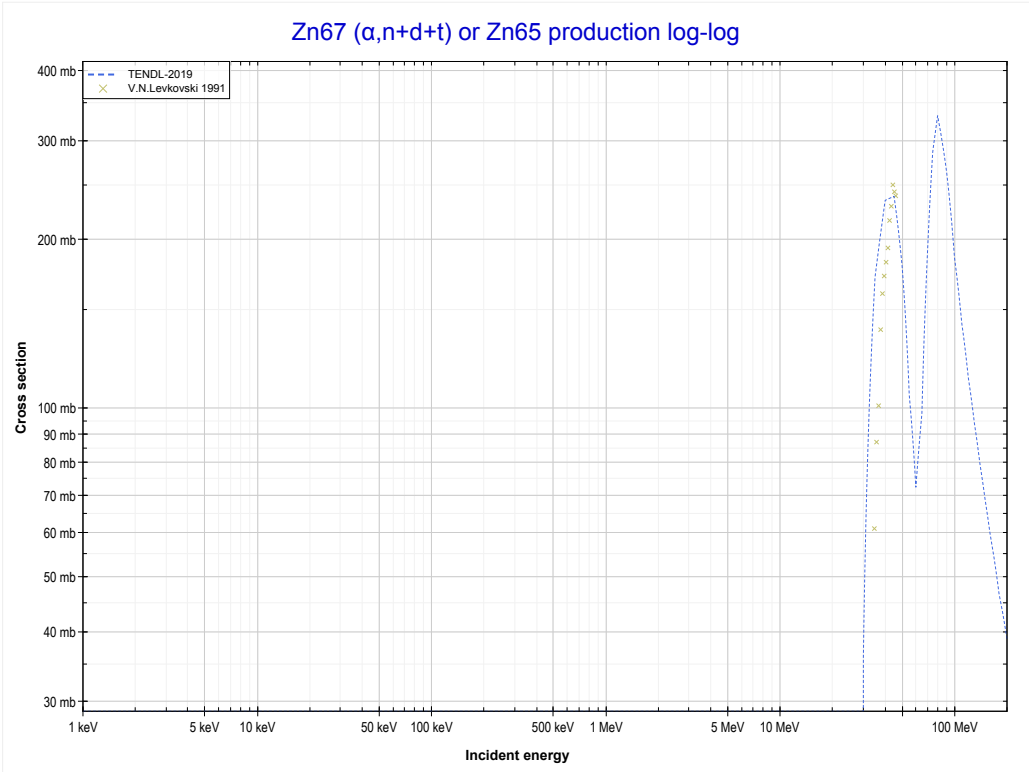
Reaction	Q-Value
Zn67(α,t)Ga68	-13319.19 keV
Zn67($\alpha,n+d$)Ga68	-19576.42 keV
Zn67($\alpha,2n+p$)Ga68	-21800.99 keV

<< 30-Zn-64	30-Zn-67	31-Ga-69 >>
<< MT105 (α,t)	MT177 (α,3n+ ³ He) or MT5 (Zn65 production)	MT185 (α,n+d+t) >>



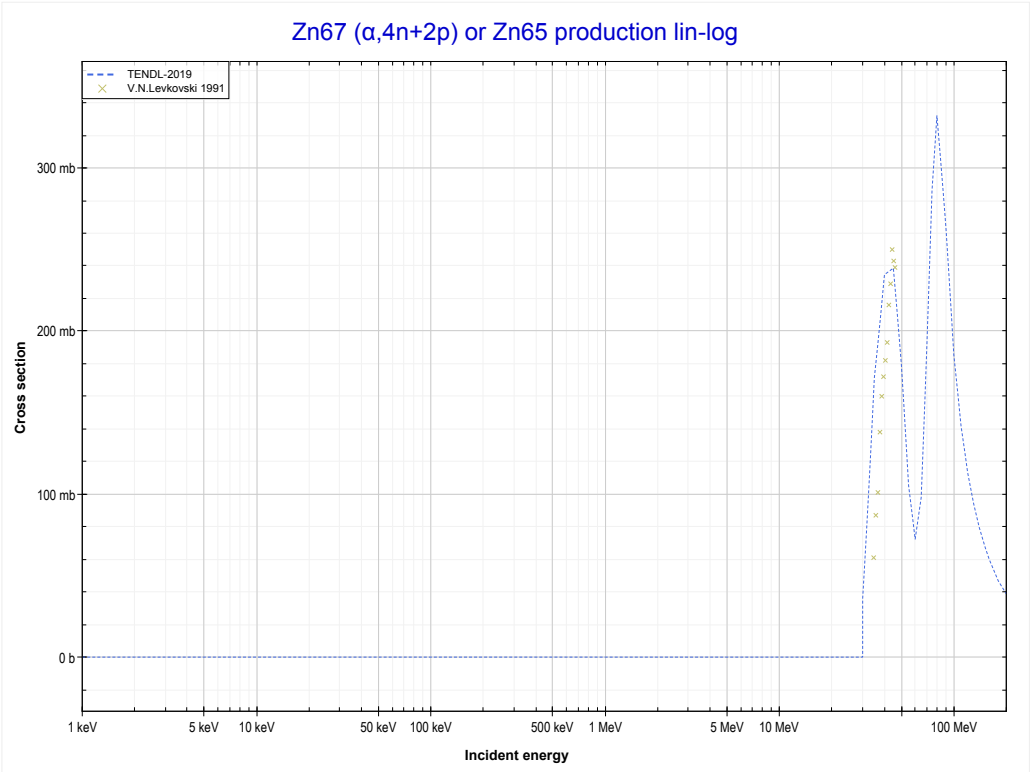
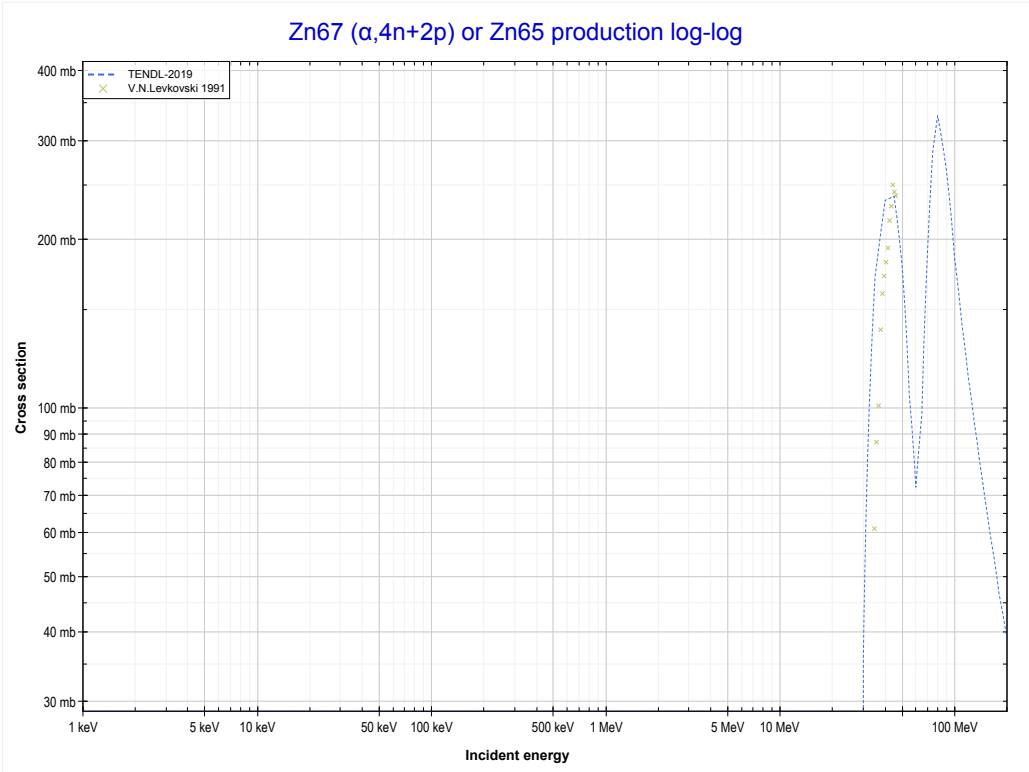
Reaction	Q-Value
Zn67(α,2n+α)Zn65	-18110.93 keV
Zn67(α,2t)Zn65	-29443.00 keV
Zn67(α,n+d+t)Zn65	-35700.23 keV
Zn67(α,2n+p+t)Zn65	-37924.80 keV
Zn67(α,3n+He3)Zn65	-38688.55 keV
Zn67(α,2n+2d)Zn65	-41957.46 keV
Zn67(α,3n+p+d)Zn65	-44182.03 keV
Zn67(α,4n+2p)Zn65	-46406.59 keV

<< 30-Zn-64	30-Zn-67	31-Ga-69 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT185 ($\alpha,n+d+t$) or MT5 (Zn65 production)	MT194 ($\alpha,4n+2p$) >>



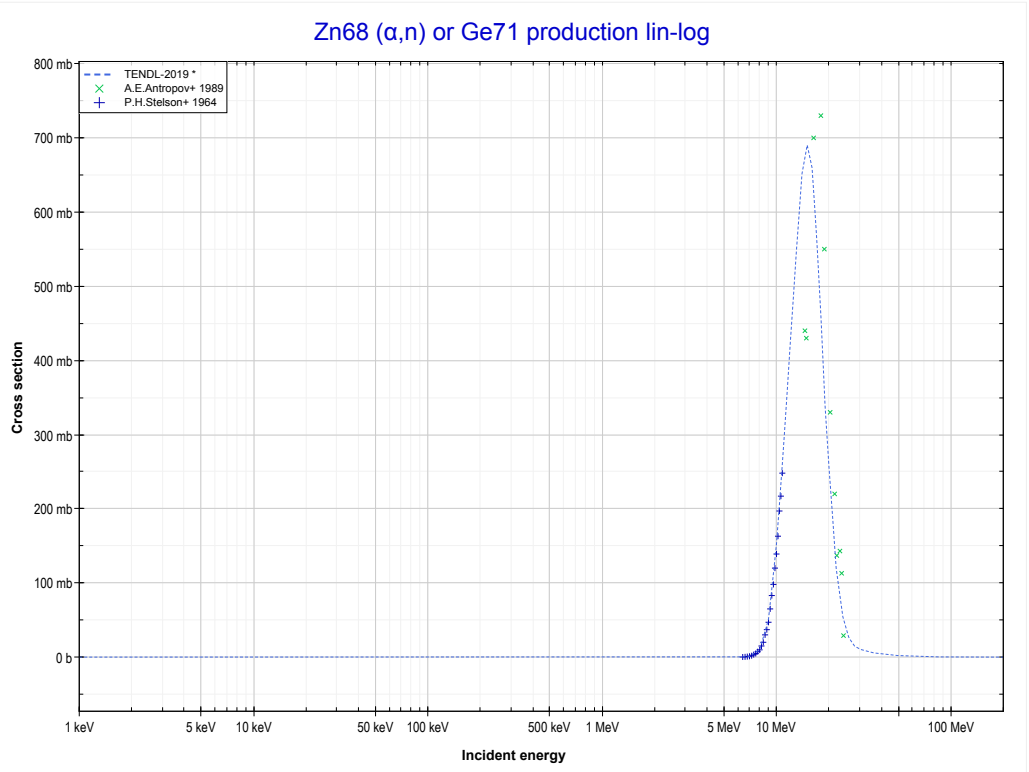
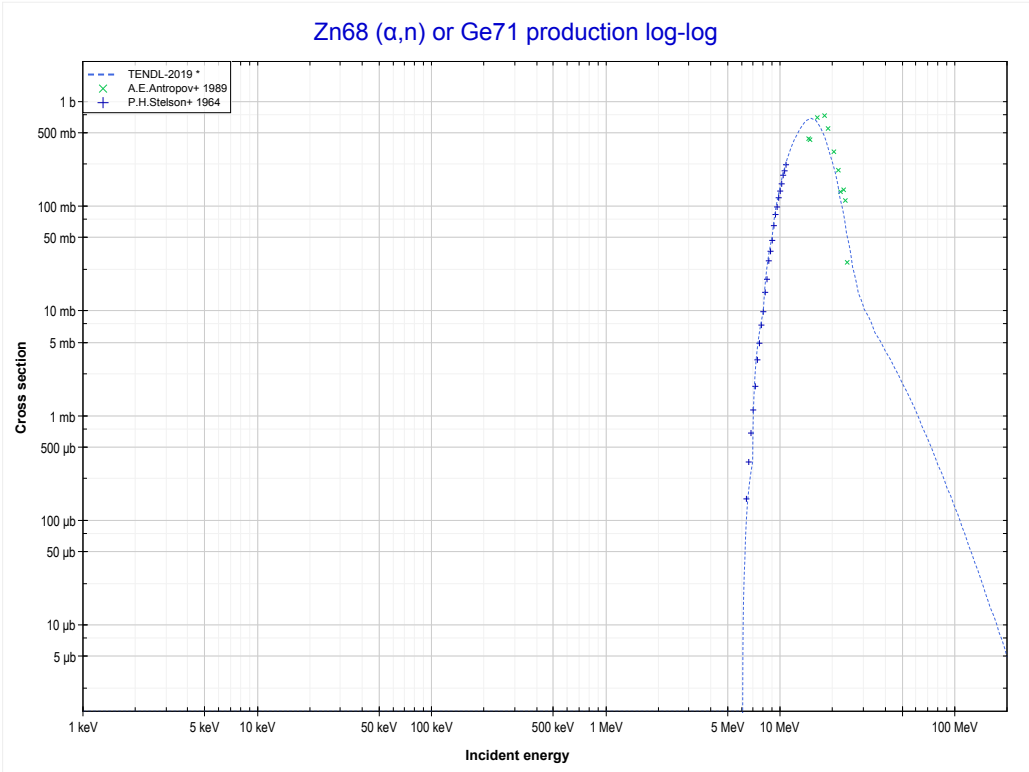
Reaction	Q-Value
Zn67($\alpha,2n+\alpha$)Zn65	-18110.93 keV
Zn67($\alpha,2t$)Zn65	-29443.00 keV
Zn67($\alpha,n+d+t$)Zn65	-35700.23 keV
Zn67($\alpha,2n+p+t$)Zn65	-37924.80 keV
Zn67($\alpha,3n+^3\text{He}$)Zn65	-38688.55 keV
Zn67($\alpha,2n+2d$)Zn65	-41957.46 keV
Zn67($\alpha,3n+p+d$)Zn65	-44182.03 keV
Zn67($\alpha,4n+2p$)Zn65	-46406.59 keV

<< 30-Zn-64	30-Zn-67	31-Ga-69 >>
<< MT185 (α ,n+d+t)	MT194 (α ,4n+2p) or MT5 (Zn65 production)	30-Zn-68 MT4 (α ,n) >>



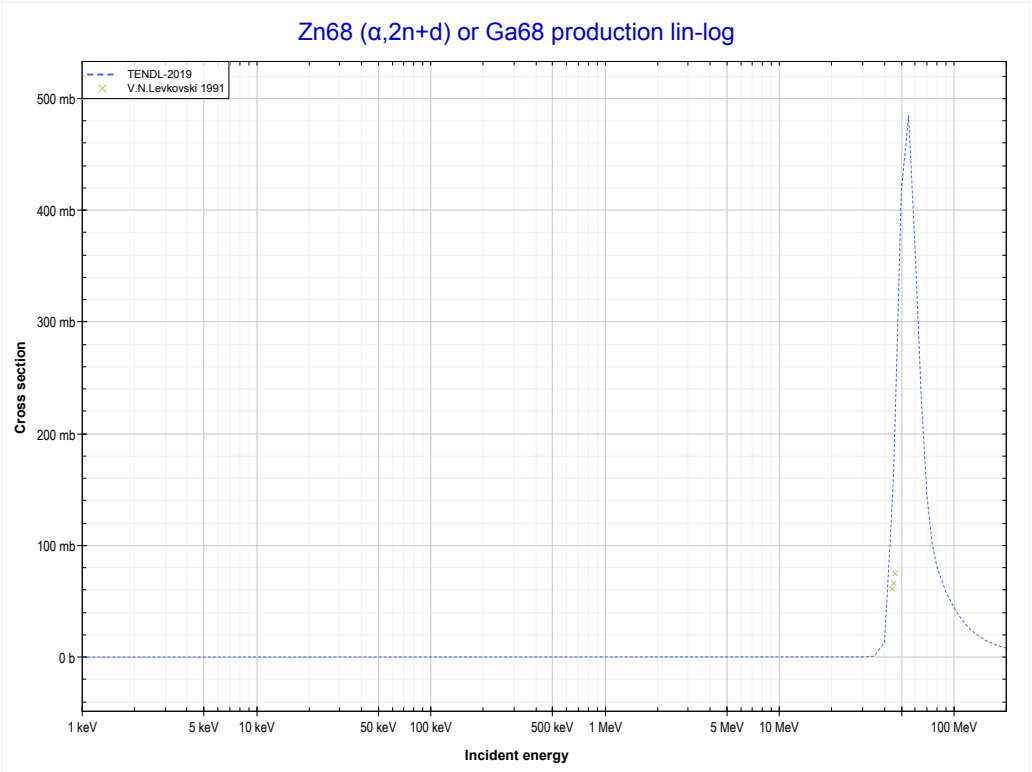
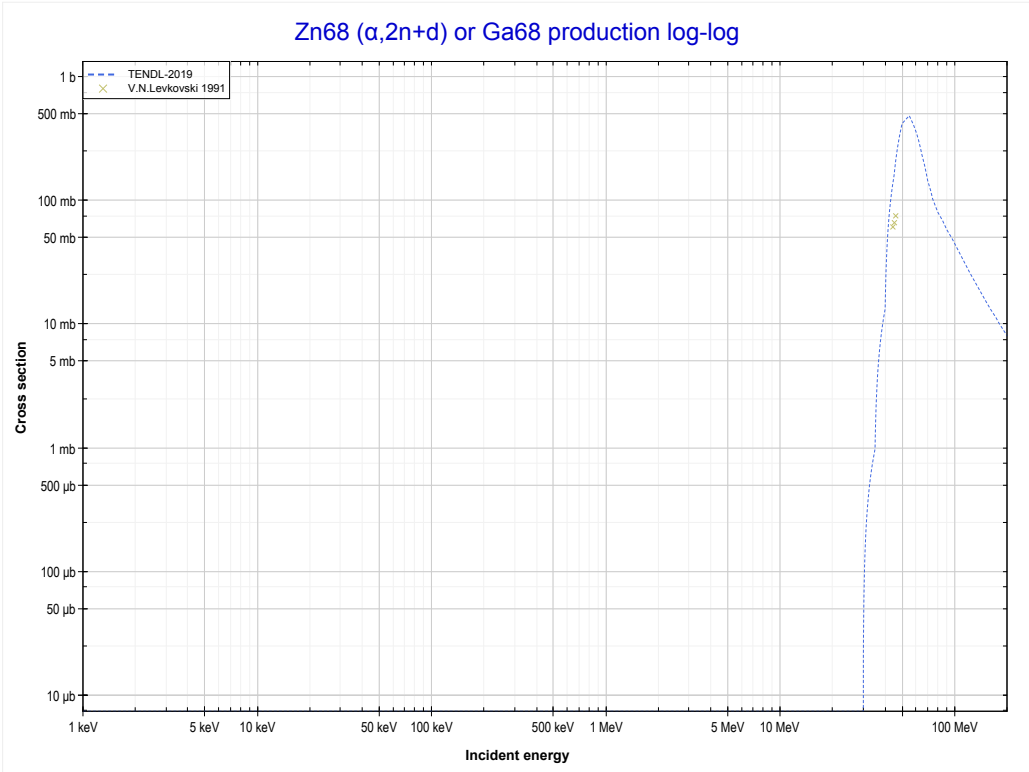
Reaction	Q-Value
Zn67(α ,2n+ α)Zn65	-18110.93 keV
Zn67(α ,2t)Zn65	-29443.00 keV
Zn67(α ,n+d+t)Zn65	-35700.23 keV
Zn67(α ,2n+p+t)Zn65	-37924.80 keV
Zn67(α ,3n+He3)Zn65	-38688.55 keV
Zn67(α ,2n+2d)Zn65	-41957.46 keV
Zn67(α ,3n+p+d)Zn65	-44182.03 keV
Zn67(α ,4n+2p)Zn65	-46406.59 keV

<< 30-Zn-66	30-Zn-68	31-Ga-69 >>
<< 30-Zn-67 MT194 (α,4n+2p)	MT4 (α,n) or MT5 (Ge71 production)	MT11 (α,2n+d) >>



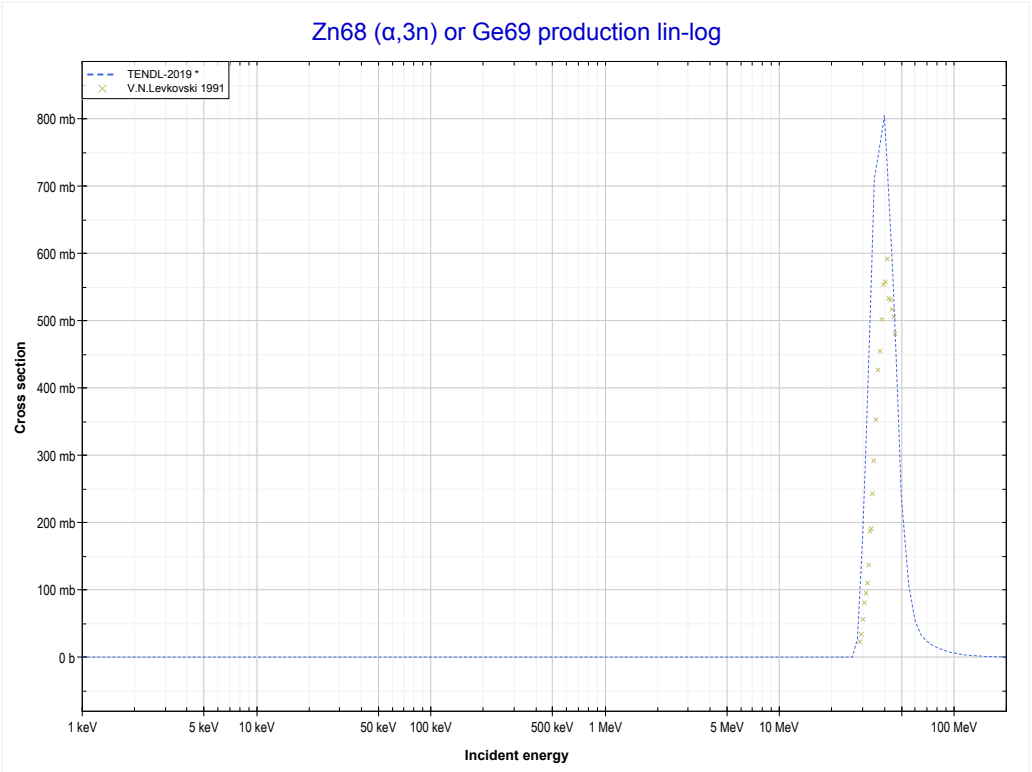
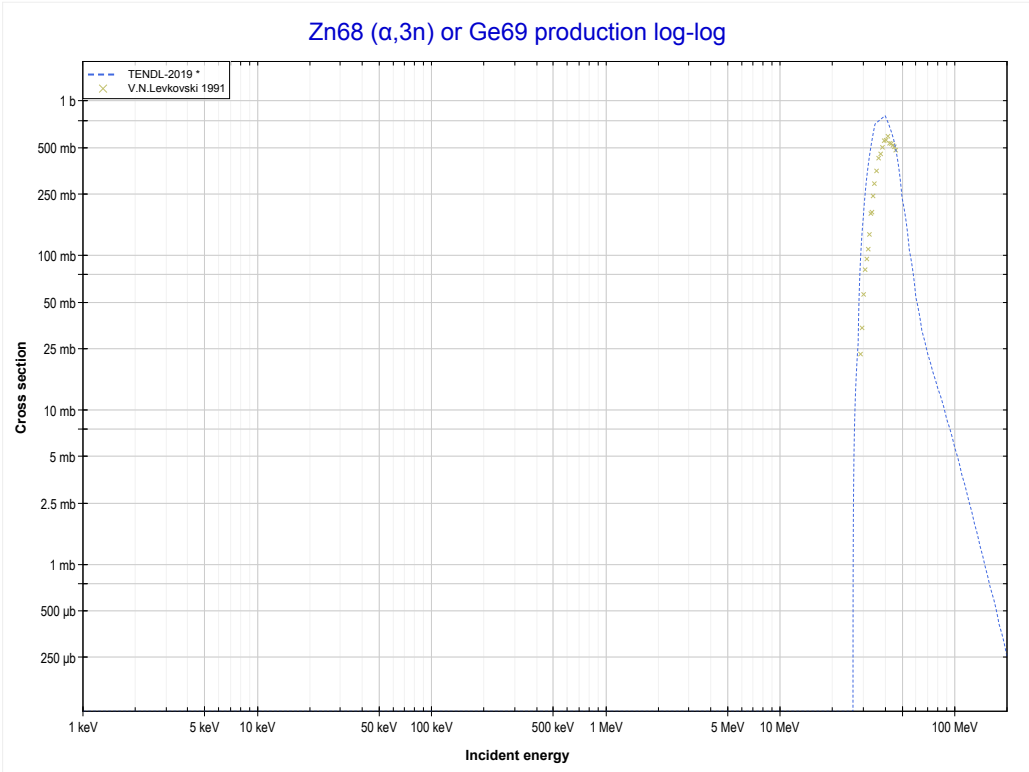
Reaction	Q-Value
Zn68(α,n)Ge71	-5747.00 keV

<< 30-Zn-67	30-Zn-68	31-Ga-69 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Ga68 production)	MT17 (α,3n) >>



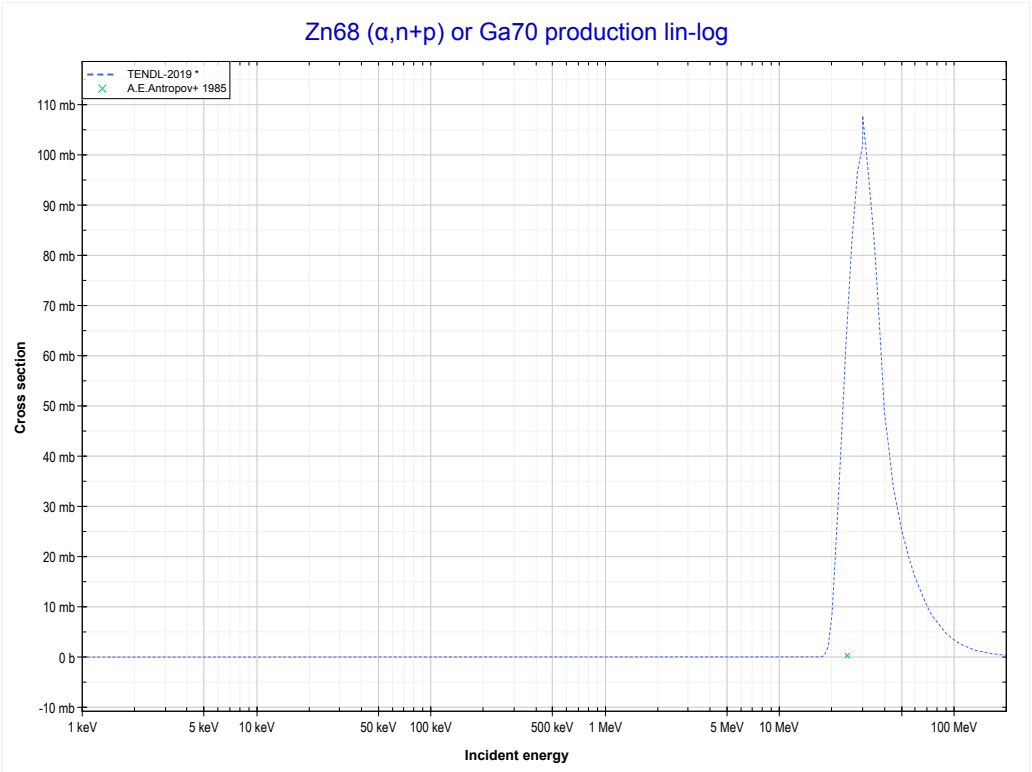
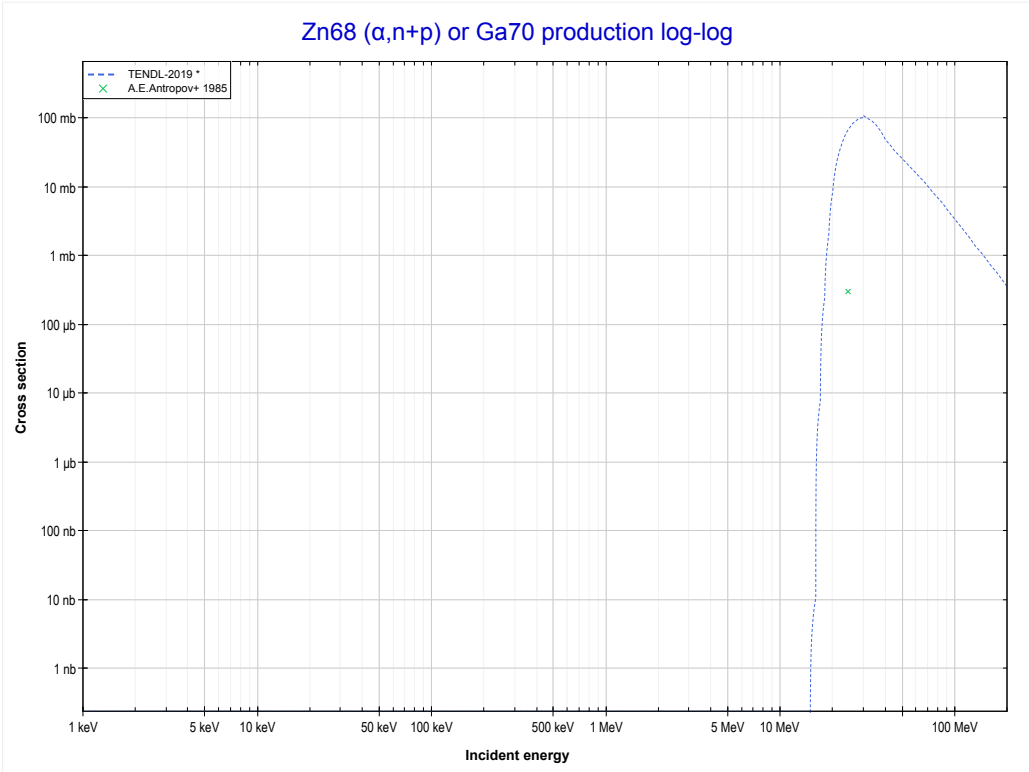
Reaction	Q-Value
Zn68(α,n+t)Ga68	-23517.31 keV
Zn68(α,2n+d)Ga68	-29774.54 keV
Zn68(α,3n+p)Ga68	-31999.11 keV

<< 30-Zn-67	30-Zn-68	31-Ga-69 >>
<< MT11 ($\alpha,2n+d$)	MT17 ($\alpha,3n$) or MT5 (Ge69 production)	MT28 ($\alpha,n+p$) >>



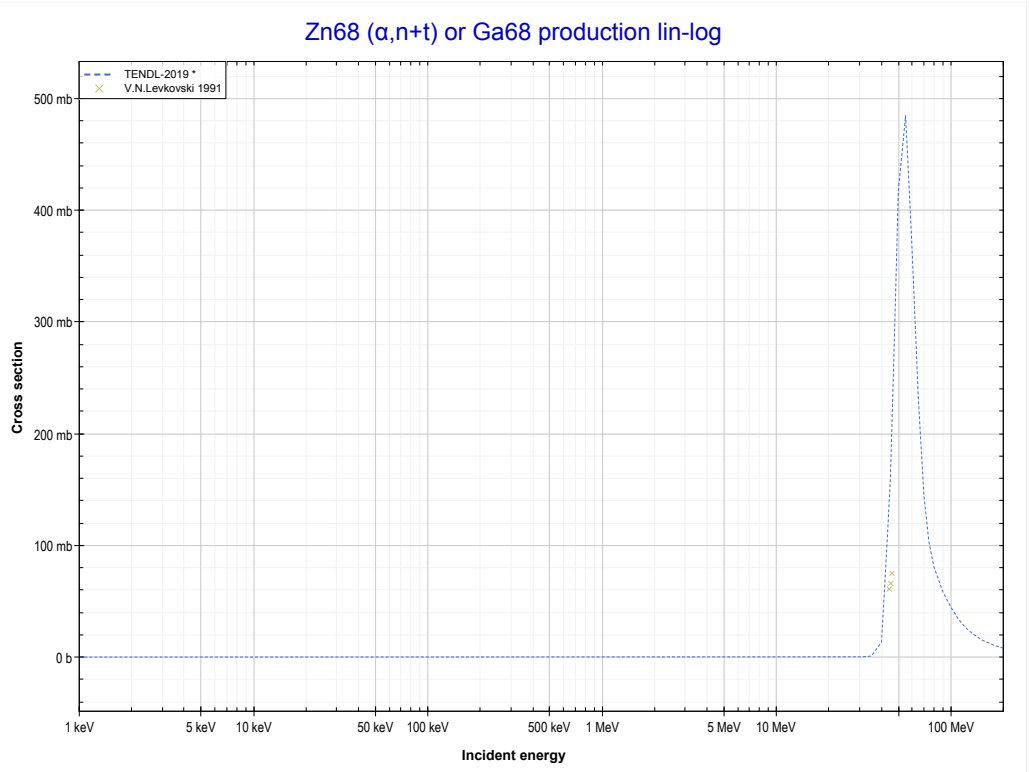
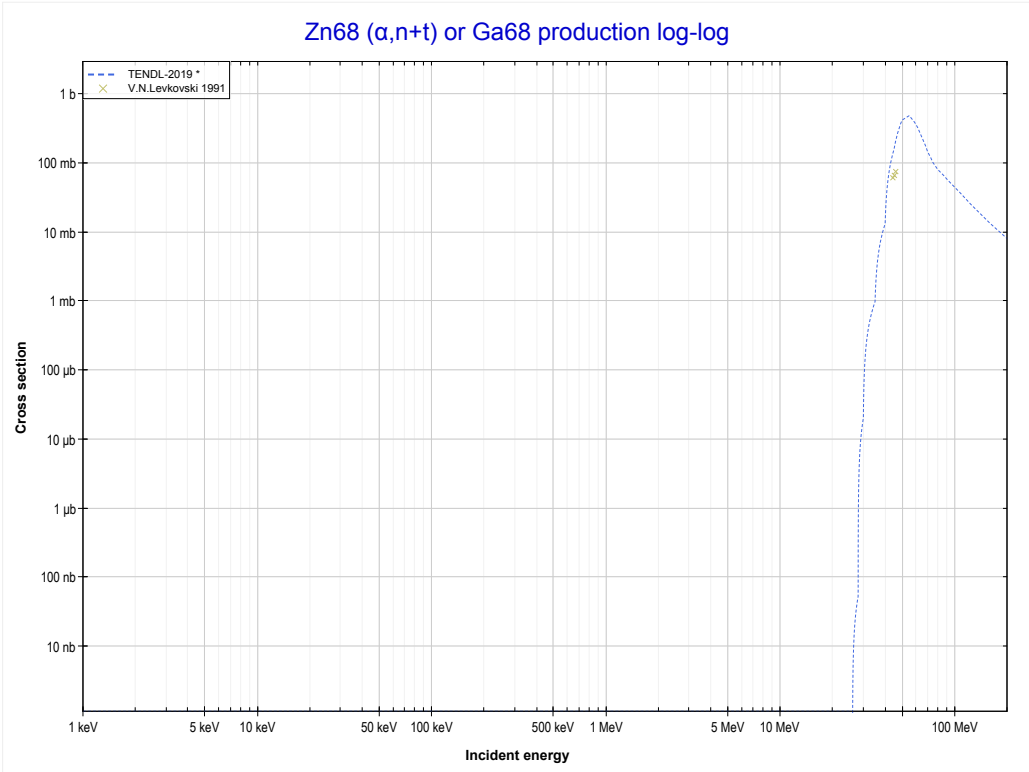
Reaction	Q-Value
Zn68($\alpha,3n$)Ge69	-24695.44 keV

<< 30-Zn-66	30-Zn-68	30-Zn-70 >>
<< MT17 ($\alpha,3n$)	MT28 ($\alpha,n+p$) or MT5 (Ga70 production)	MT33 ($\alpha,n+t$) >>



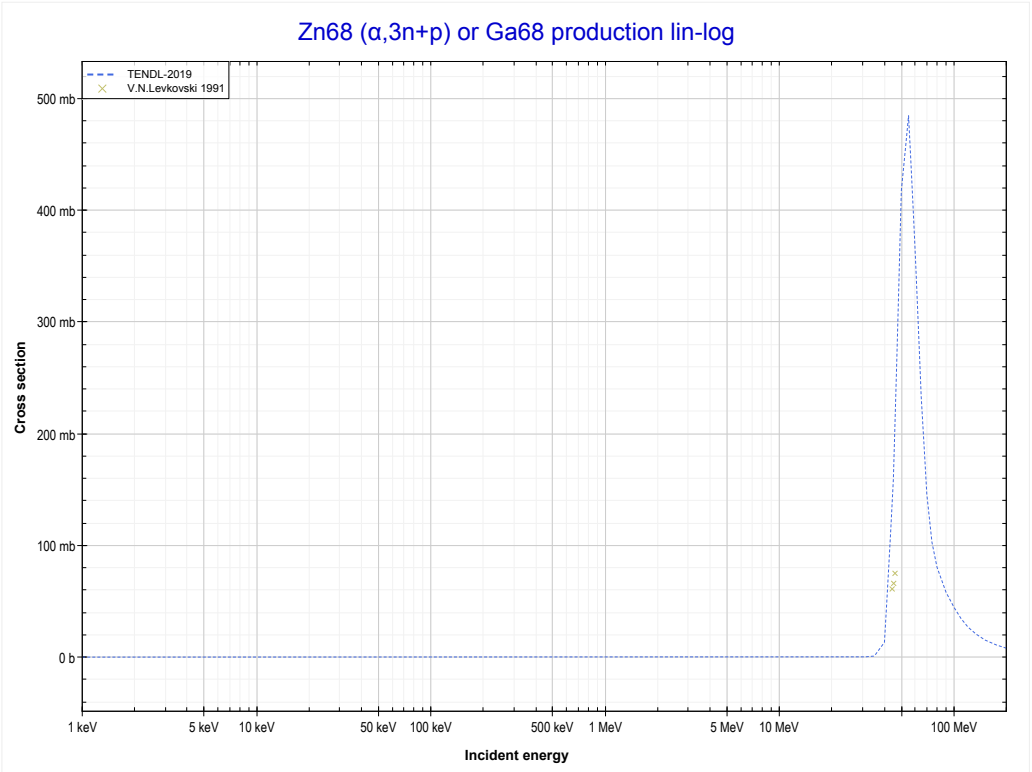
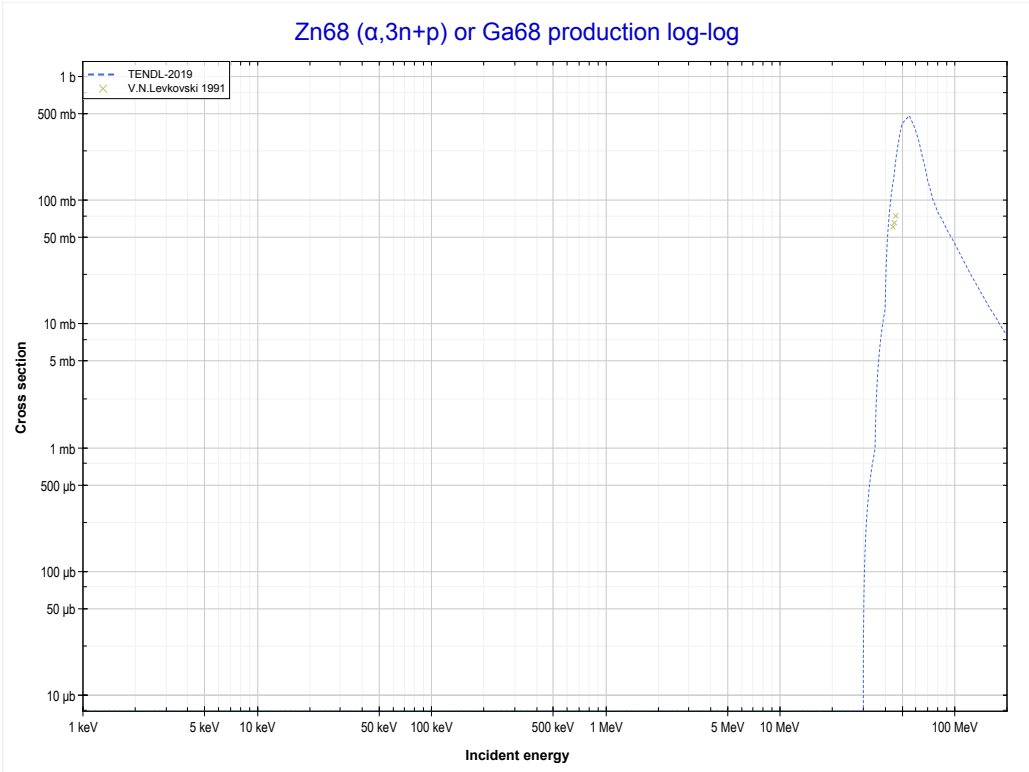
Reaction	Q-Value
Zn68(α,d)Ga70	-11807.81 keV
Zn68($\alpha,n+p$)Ga70	-14032.37 keV

<< 30-Zn-67	30-Zn-68	31-Ga-69 >>
<< MT28 (α,n+p)	MT33 (α,n+t) or MT5 (Ga68 production)	MT42 (α,3n+p) >>



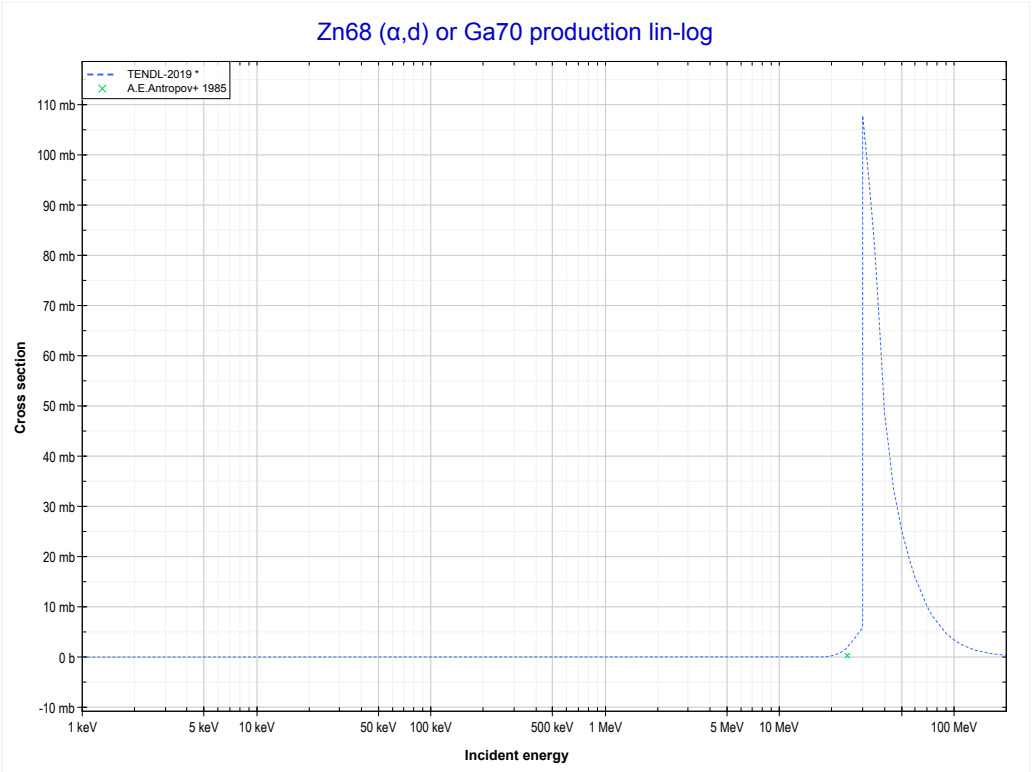
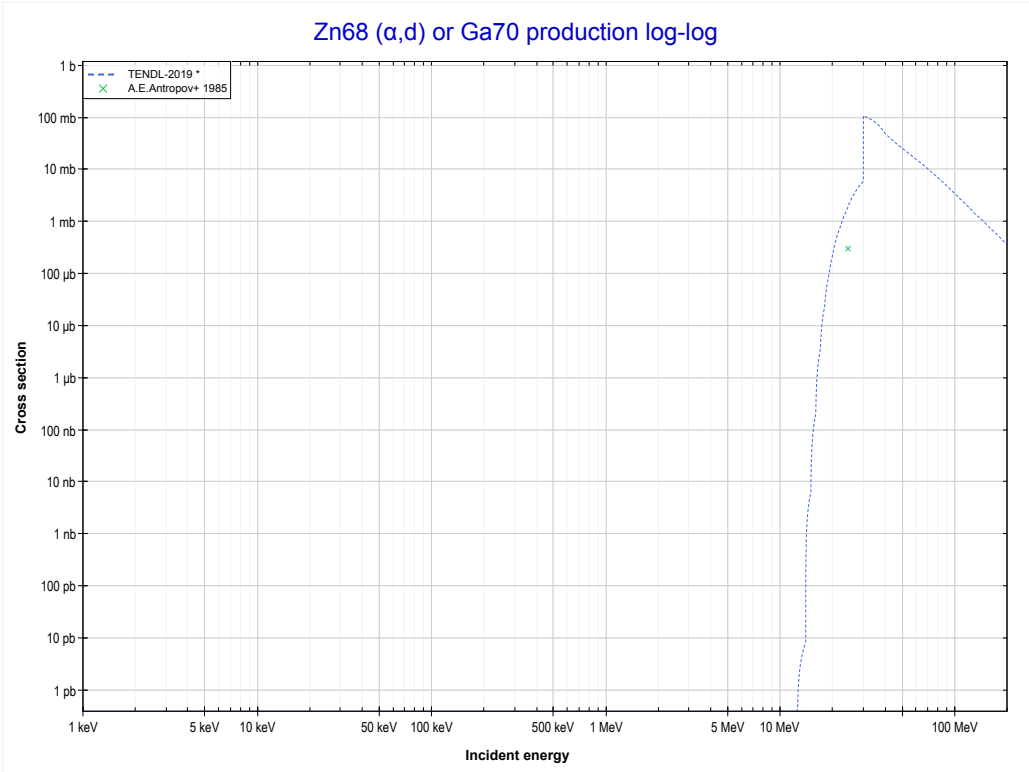
Reaction	Q-Value
Zn68(α,n+t)Ga68	-23517.31 keV
Zn68(α,2n+d)Ga68	-29774.54 keV
Zn68(α,3n+p)Ga68	-31999.11 keV

<< 30-Zn-67	30-Zn-68	31-Ga-69 >>
<< MT33 (α ,n+t)	MT42 (α ,3n+p) or MT5 (Ga68 production)	MT104 (α ,d) >>



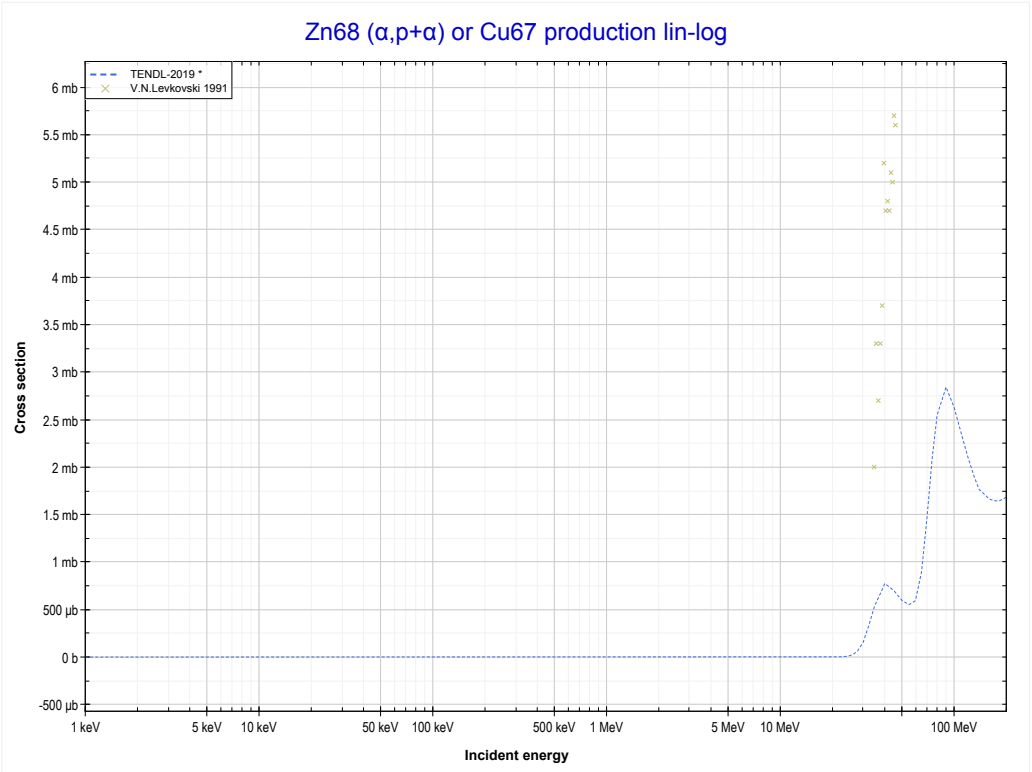
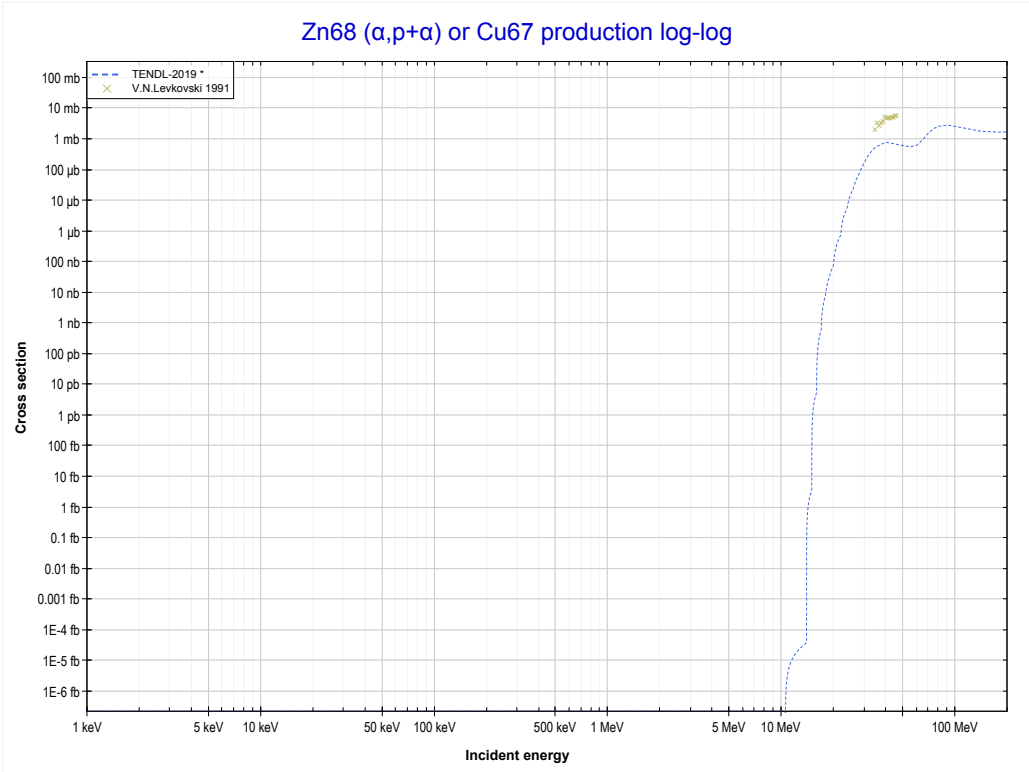
Reaction	Q-Value
Zn68(α ,n+t)Ga68	-23517.31 keV
Zn68(α ,2n+d)Ga68	-29774.54 keV
Zn68(α ,3n+p)Ga68	-31999.11 keV

<< 30-Zn-66	30-Zn-68	30-Zn-70 >>
<< MT42 (α,3n+p)	MT104 (α,d) or MT5 (Ga70 production)	MT112 (α,p+α) >>



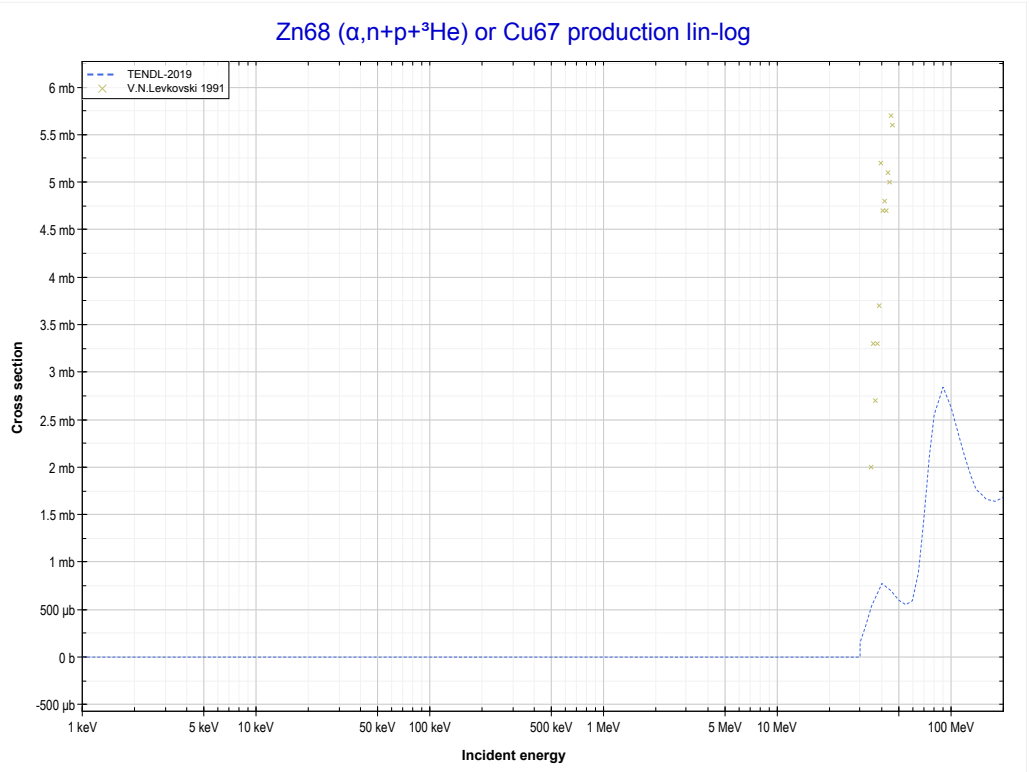
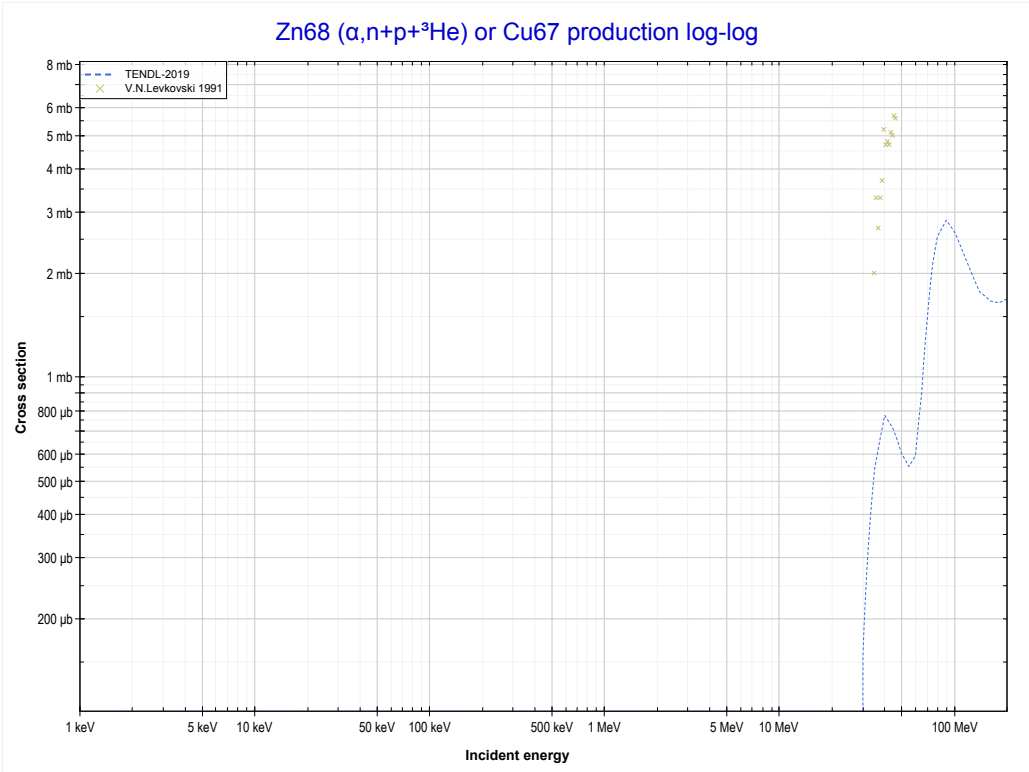
Reaction	Q-Value
Zn68(α,d)Ga70	-11807.81 keV
Zn68(α,n+p)Ga70	-14032.37 keV

<< 28-Ni-62	30-Zn-68	32-Ge-74 >>
<< MT104 (α,d)	MT112 (α,p+α) or MT5 (Cu67 production)	MT186 (α,n+p+ ³ He) >>



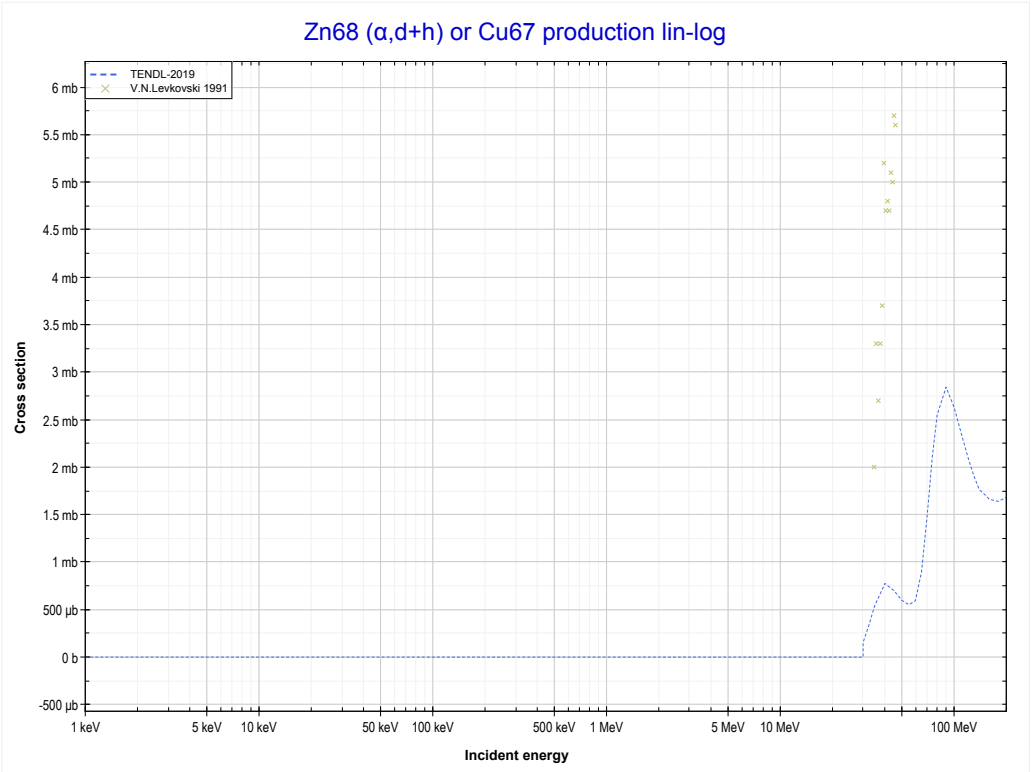
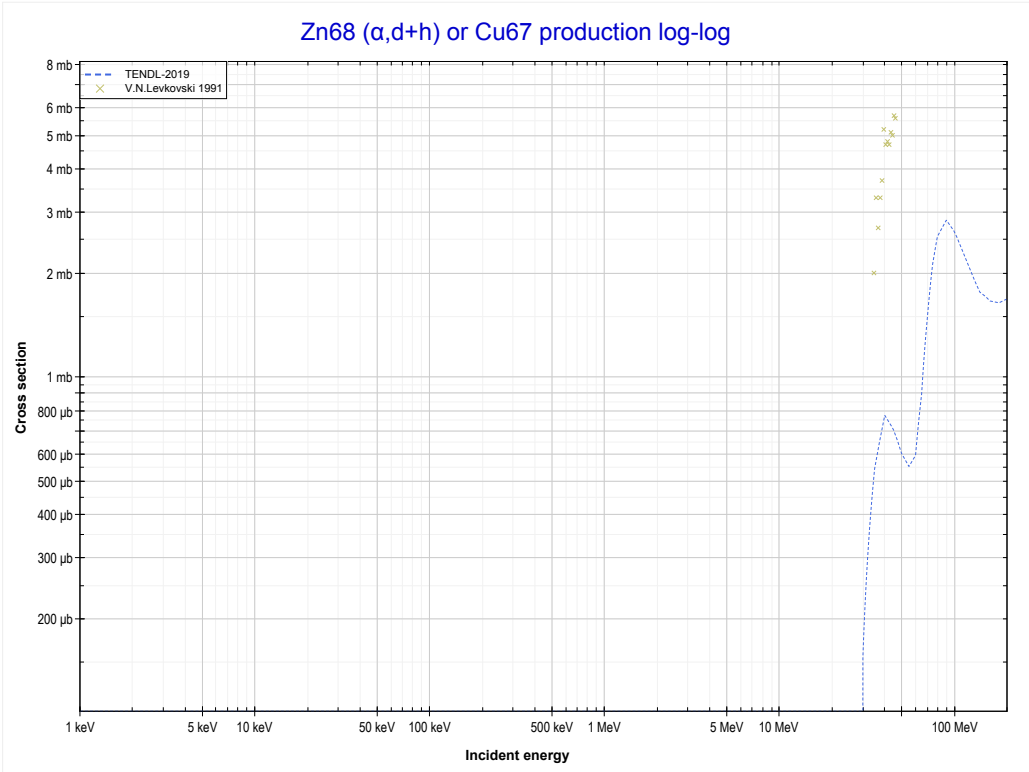
Reaction	Q-Value
Zn68(α,p+α)Cu67	-9976.57 keV
Zn68(α,d+He3)Cu67	-28329.62 keV
Zn68(α,2p+t)Cu67	-29790.44 keV
Zn68(α,n+p+He3)Cu67	-30554.19 keV
Zn68(α,p+2d)Cu67	-33823.10 keV
Zn68(α,n+2p+d)Cu67	-36047.66 keV
Zn68(α,2n+3p)Cu67	-38272.23 keV

<< 28-Ni-62	30-Zn-68	32-Ge-74 >>
<< MT112 (α,p+α)	MT186 (α,n+p+ ³ He) or MT5 (Cu67 production)	MT192 (α,d+ ³ He) >>



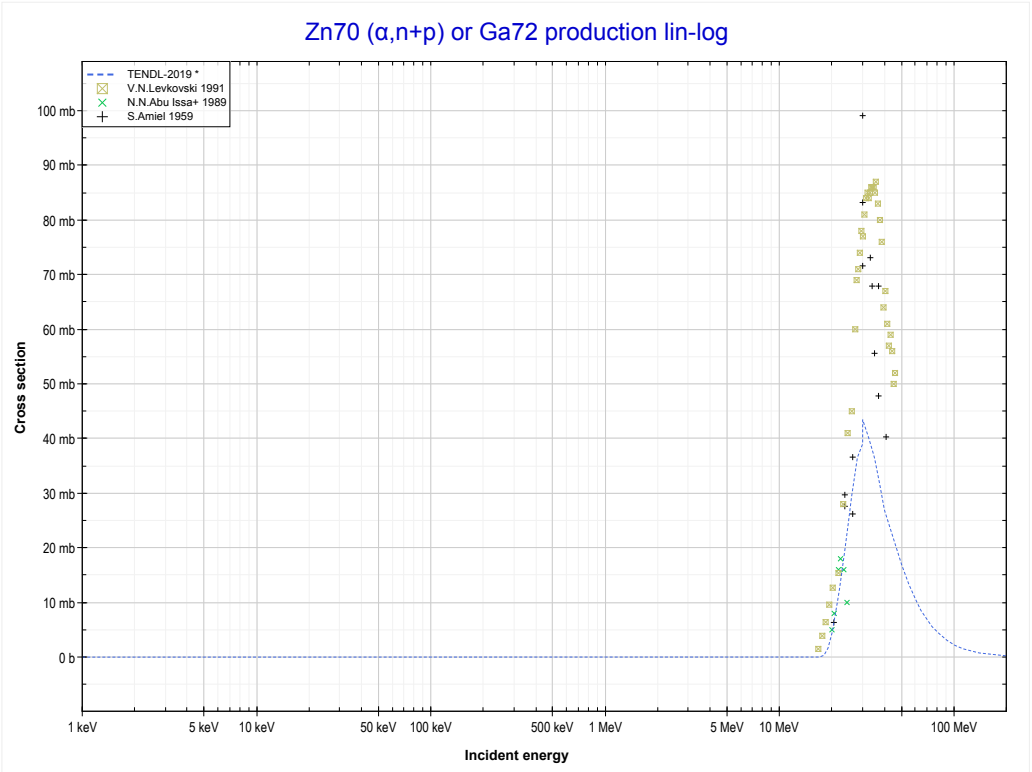
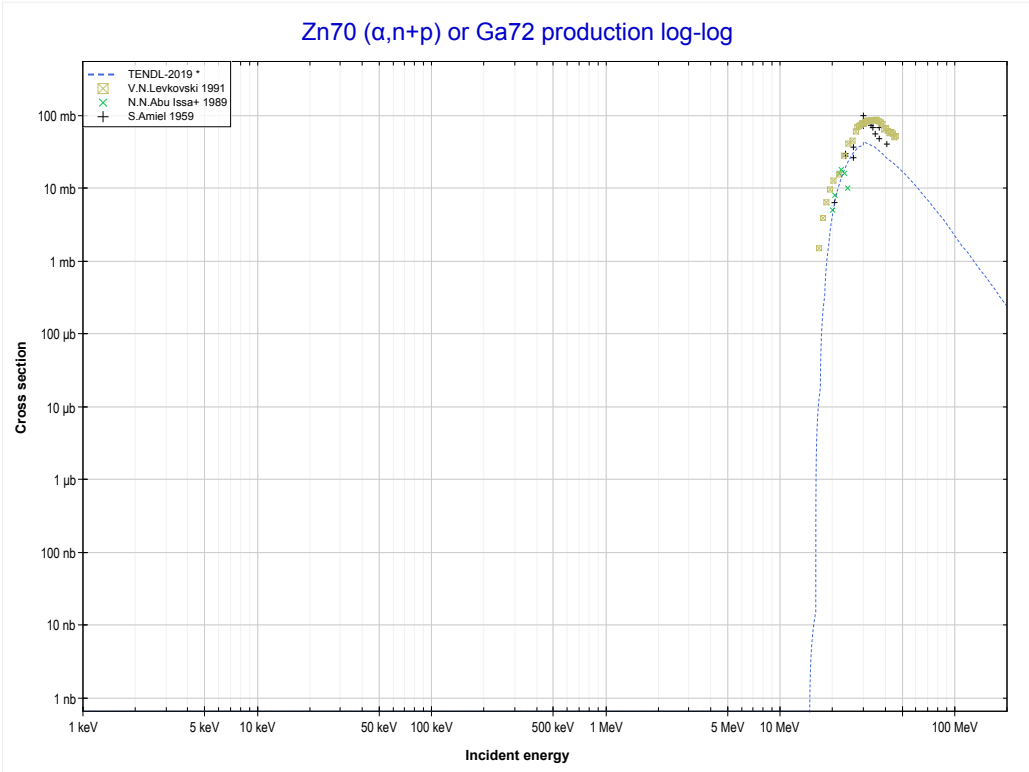
Reaction	Q-Value
Zn68(α,p+α)Cu67	-9976.57 keV
Zn68(α,d+He3)Cu67	-28329.62 keV
Zn68(α,2p+t)Cu67	-29790.44 keV
Zn68(α,n+p+He3)Cu67	-30554.19 keV
Zn68(α,p+2d)Cu67	-33823.10 keV
Zn68(α,n+2p+d)Cu67	-36047.66 keV
Zn68(α,2n+3p)Cu67	-38272.23 keV

<< 28-Ni-62	30-Zn-68	32-Ge-74 >>
<< MT186 (α ,n+p+ ^3He)	MT192 (α ,d+ ^3He) or MT5 (Cu67 production)	30-Zn-70 MT28 (α ,n+p) >>



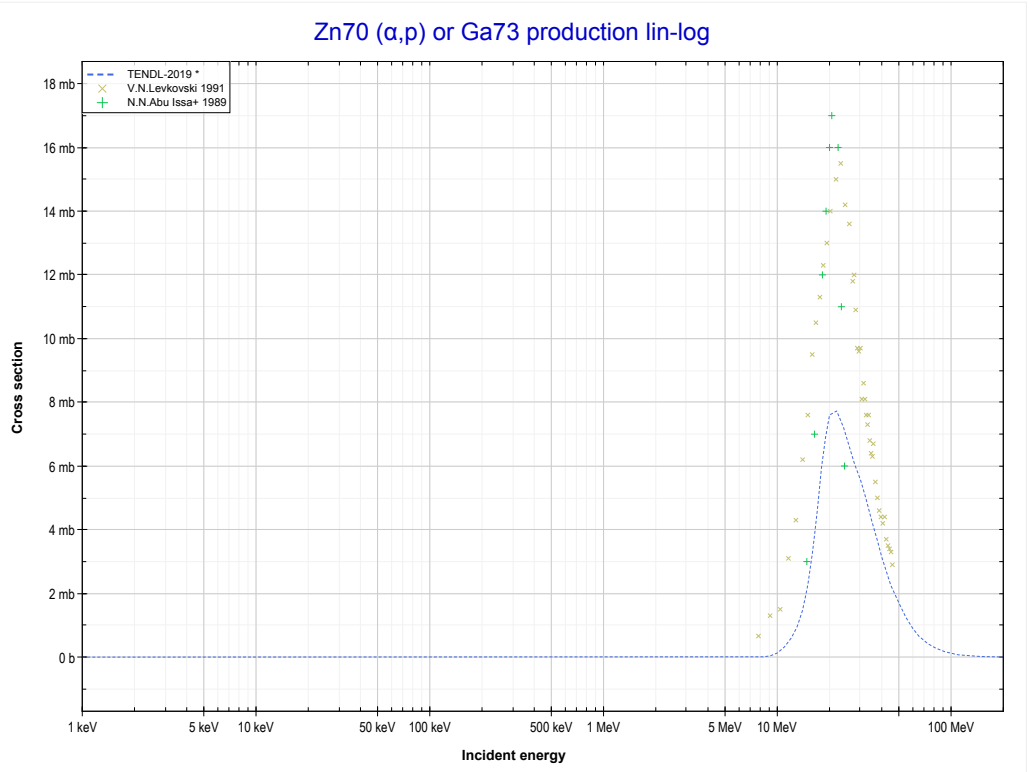
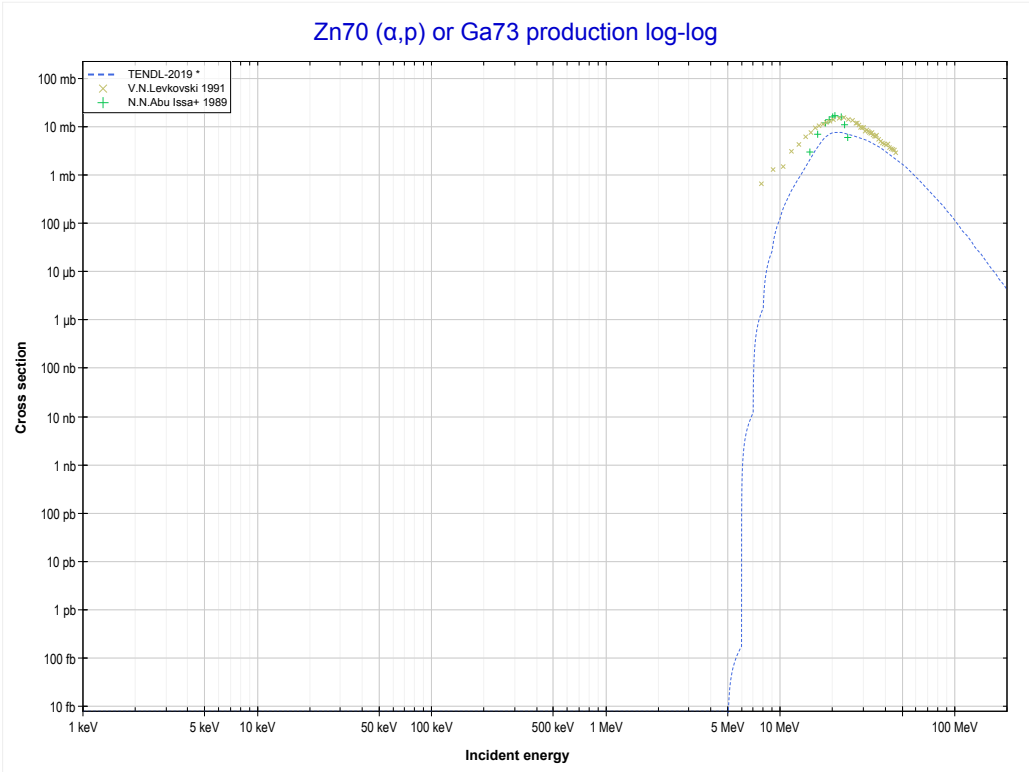
Reaction	Q-Value
Zn68(α ,p+ α)Cu67	-9976.57 keV
Zn68(α ,d+He3)Cu67	-28329.62 keV
Zn68(α ,2p+t)Cu67	-29790.44 keV
Zn68(α ,n+p+He3)Cu67	-30554.19 keV
Zn68(α ,p+2d)Cu67	-33823.10 keV
Zn68(α ,n+2p+d)Cu67	-36047.66 keV
Zn68(α ,2n+3p)Cu67	-38272.23 keV

<< 30-Zn-68	30-Zn-70	32-Ge-70 >>
<< 30-Zn-68 MT192 (α ,d+ ^3He)	MT28 (α ,n+p) or MT5 (Ga72 production)	MT103 (α ,p) >>



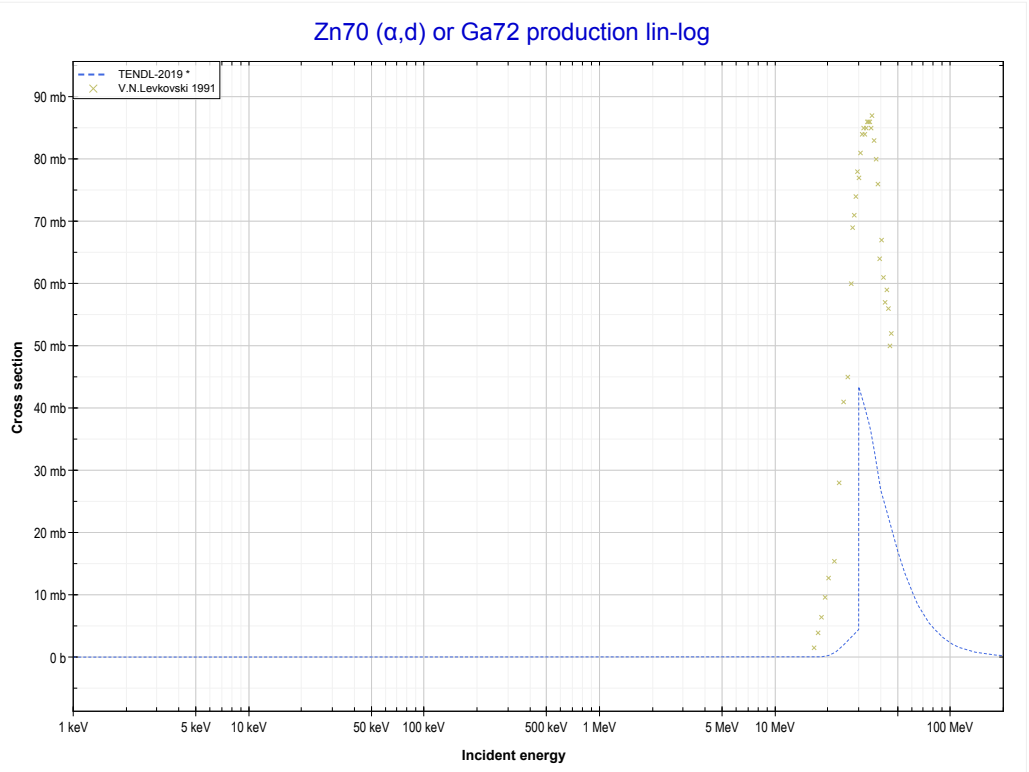
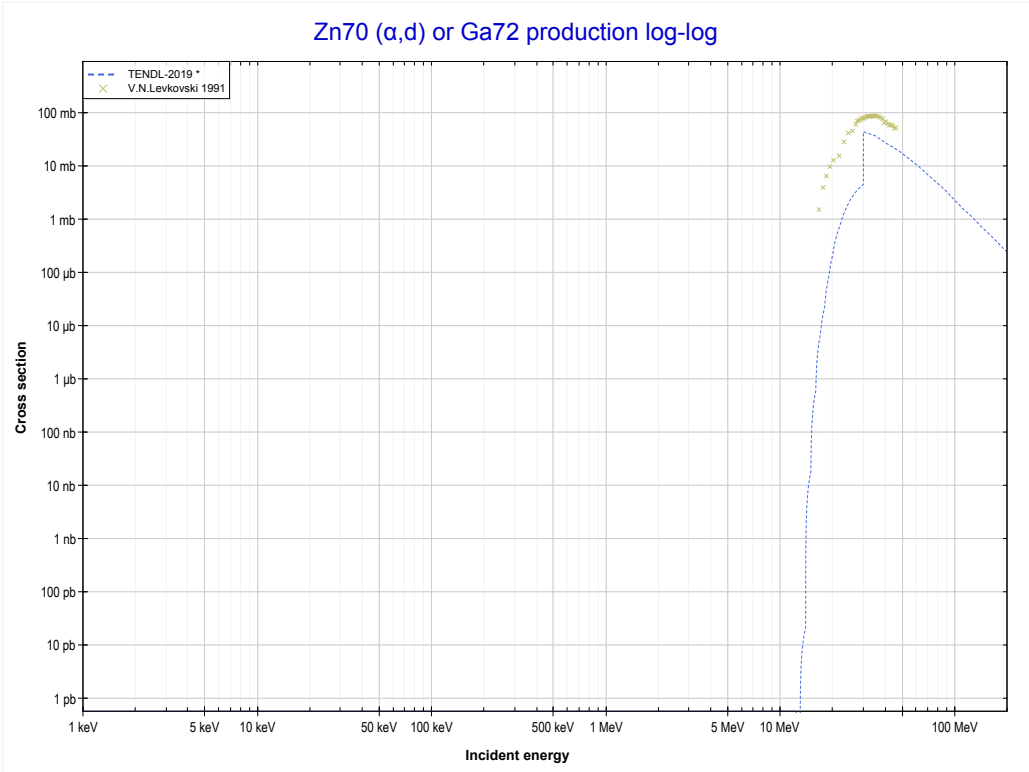
Reaction	Q-Value
Zn70(α ,d)Ga72	-11687.21 keV
Zn70(α ,n+p)Ga72	-13911.77 keV

<< 30-Zn-64	30-Zn-70	32-Ge-74 >>
<< MT28 (α ,n+p)	MT103 (α ,p) or MT5 (Ga73 production)	MT104 (α ,d) >>



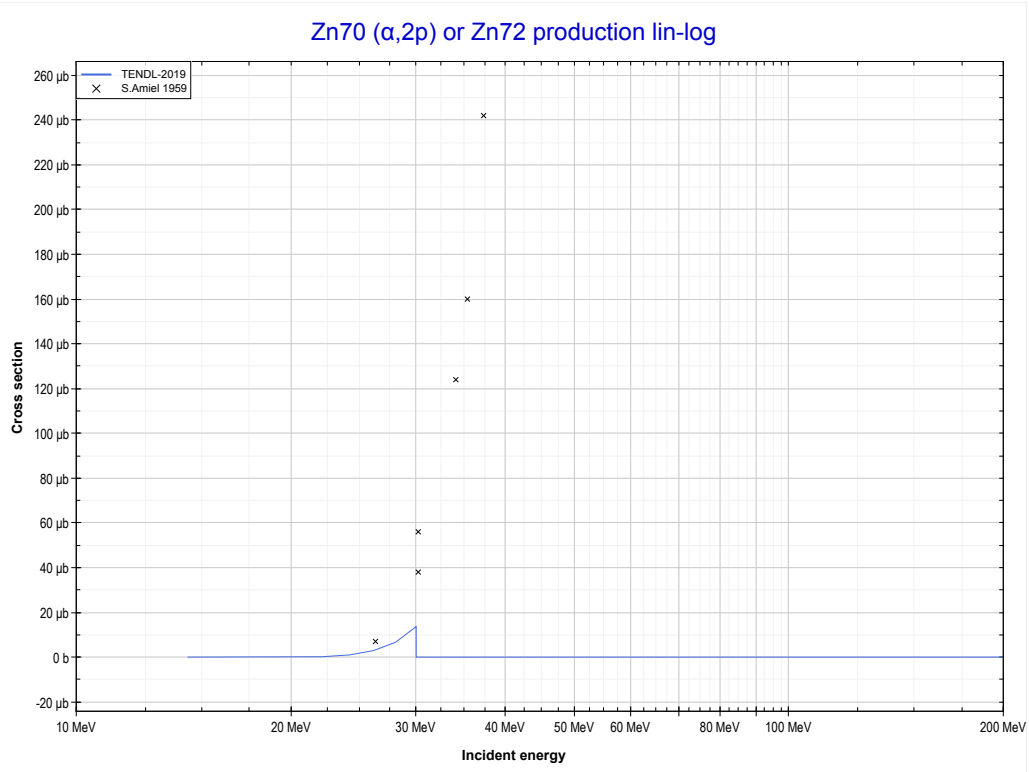
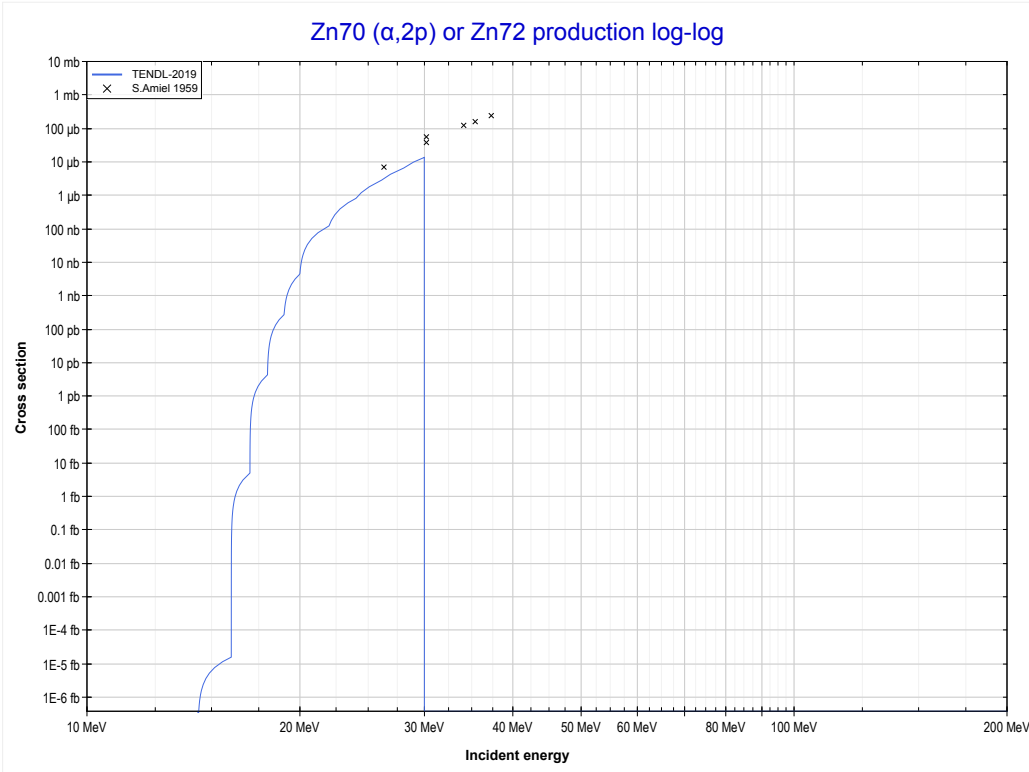
Reaction	Q-Value
Zn70(α ,p)Ga73	-4729.45 keV

<< 30-Zn-68	30-Zn-70	32-Ge-70 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Ga72 production)	MT111 (α,2p) >>



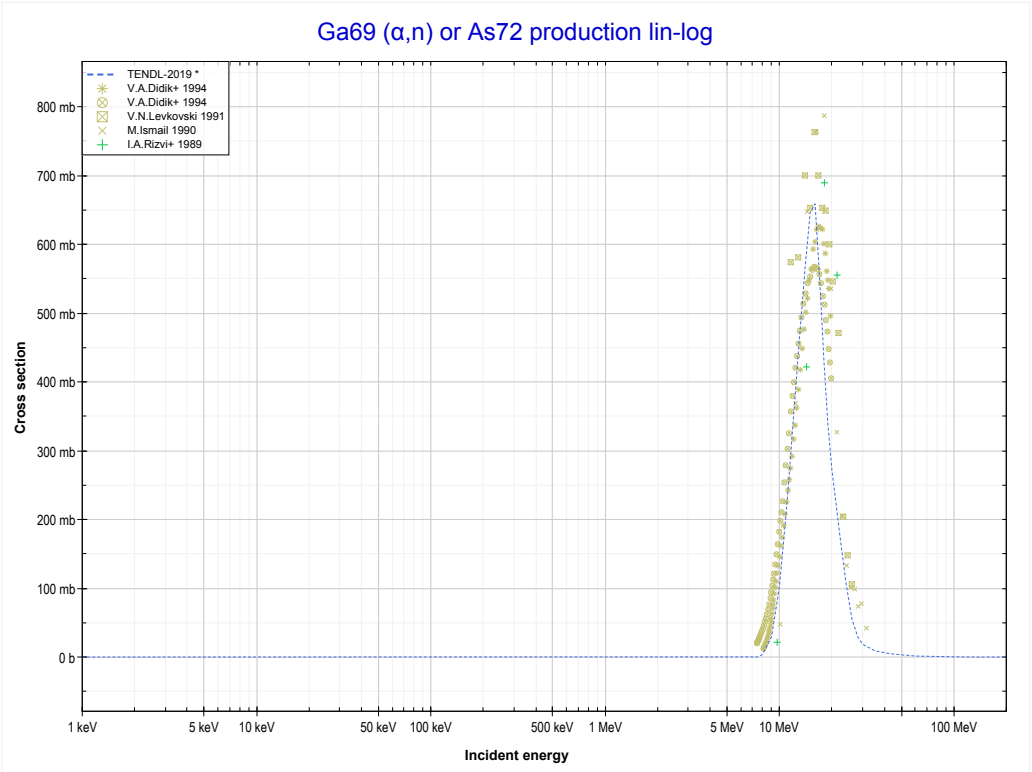
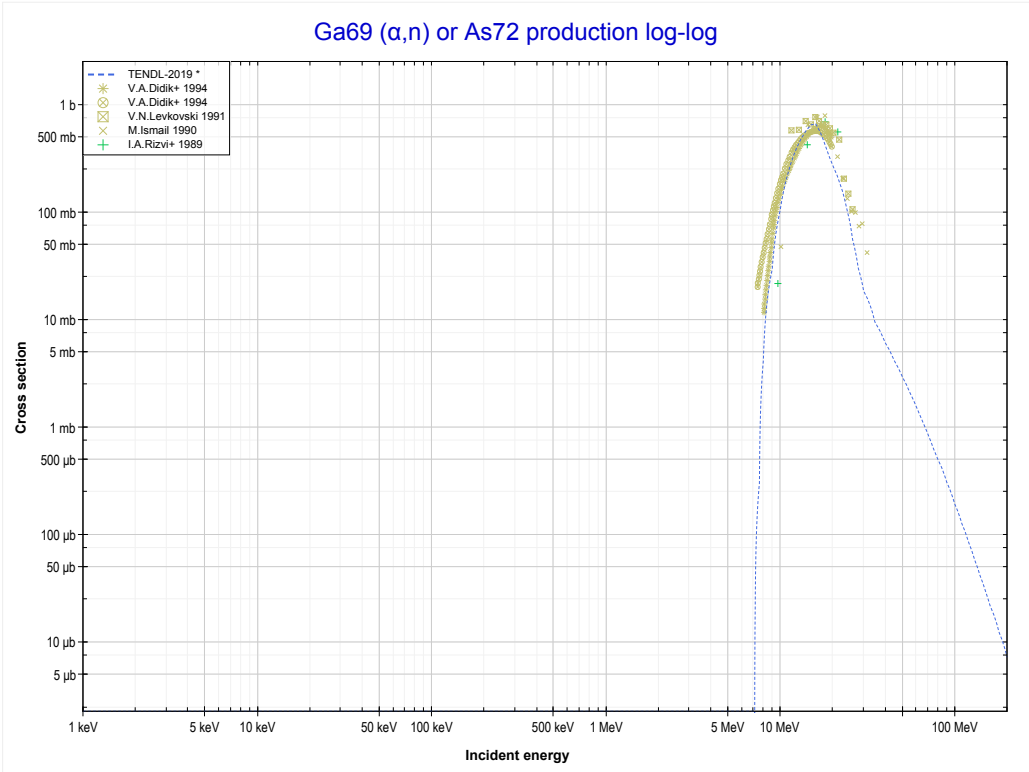
Reaction	Q-Value
Zn70(α,d)Ga72	-11687.21 keV
Zn70(α,n+p)Ga72	-13911.77 keV

<< 29-Cu-65	30-Zn-70	41-Nb-93 >>
<< MT104 (α,d)	MT111 (α,2p) or MT5 (Zn72 production)	31-Ga-69 MT4 (α,n) >>



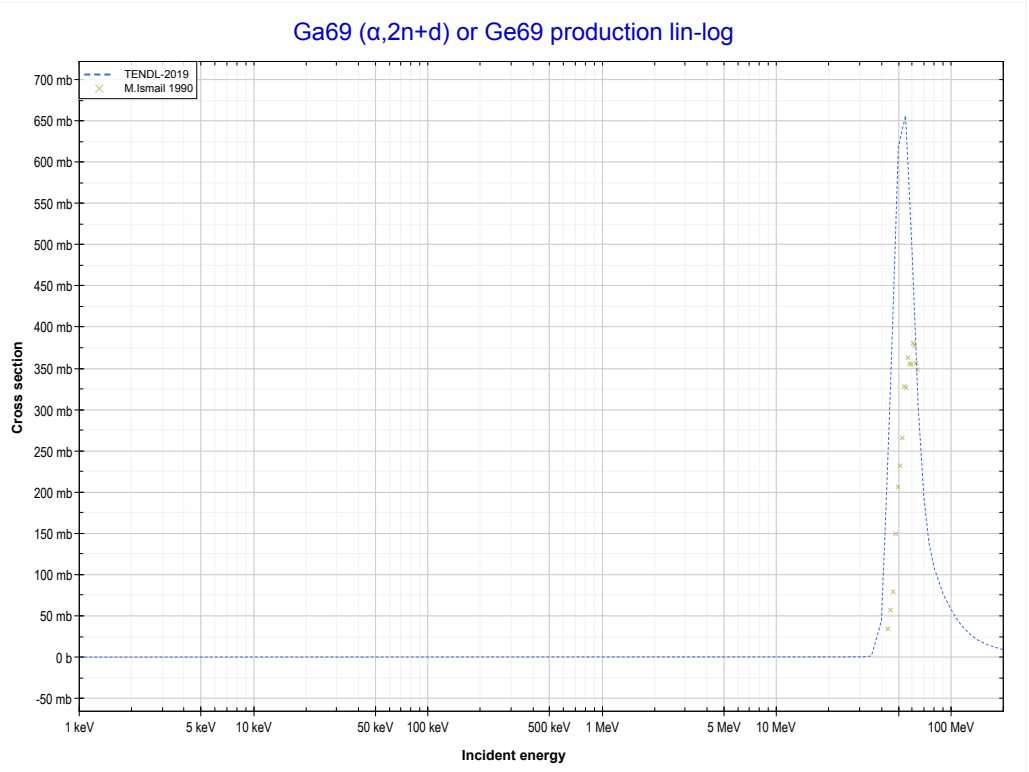
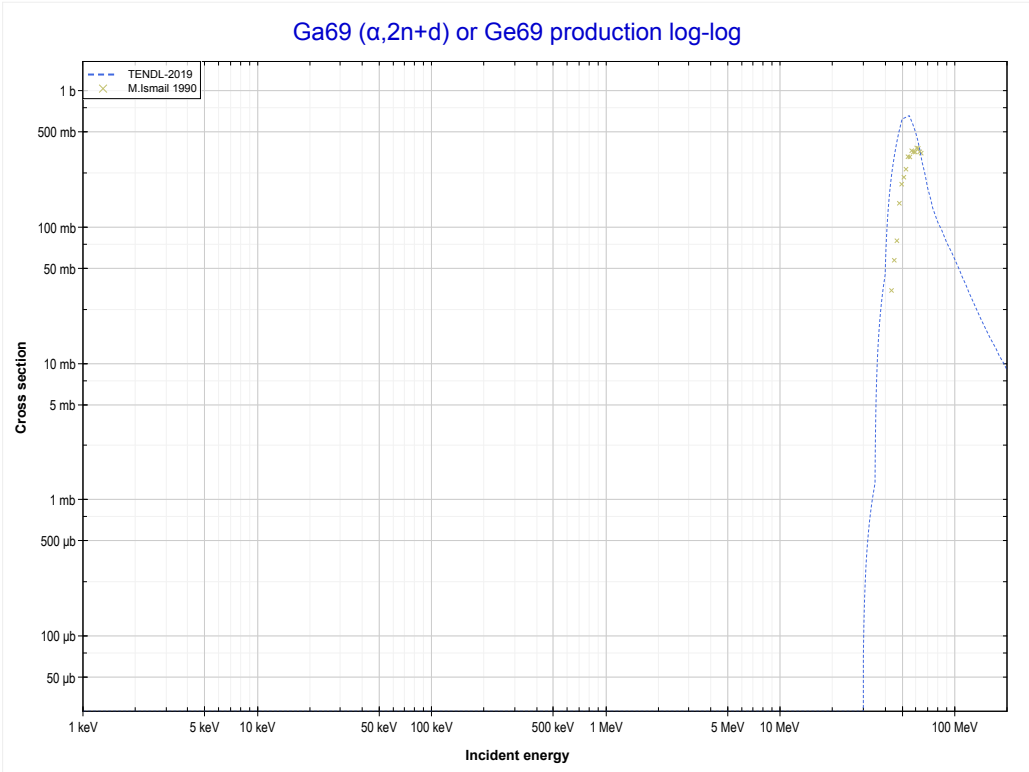
Reaction	Q-Value
Zn70(α,2p)Zn72	-13572.23 keV

<< 30-Zn-68	31-Ga-69	31-Ga-71 >>
<< 30-Zn-70 MT111 ($\alpha,2p$)	MT4 (α,n) or MT5 (As72 production)	MT11 ($\alpha,2n+d$) >>



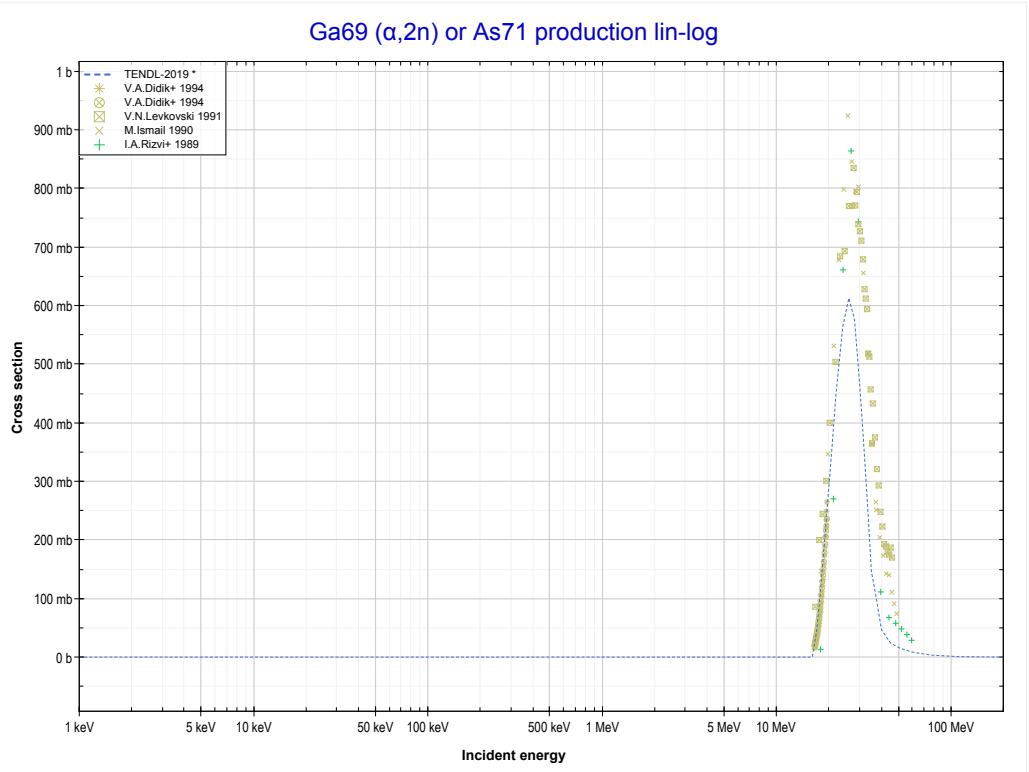
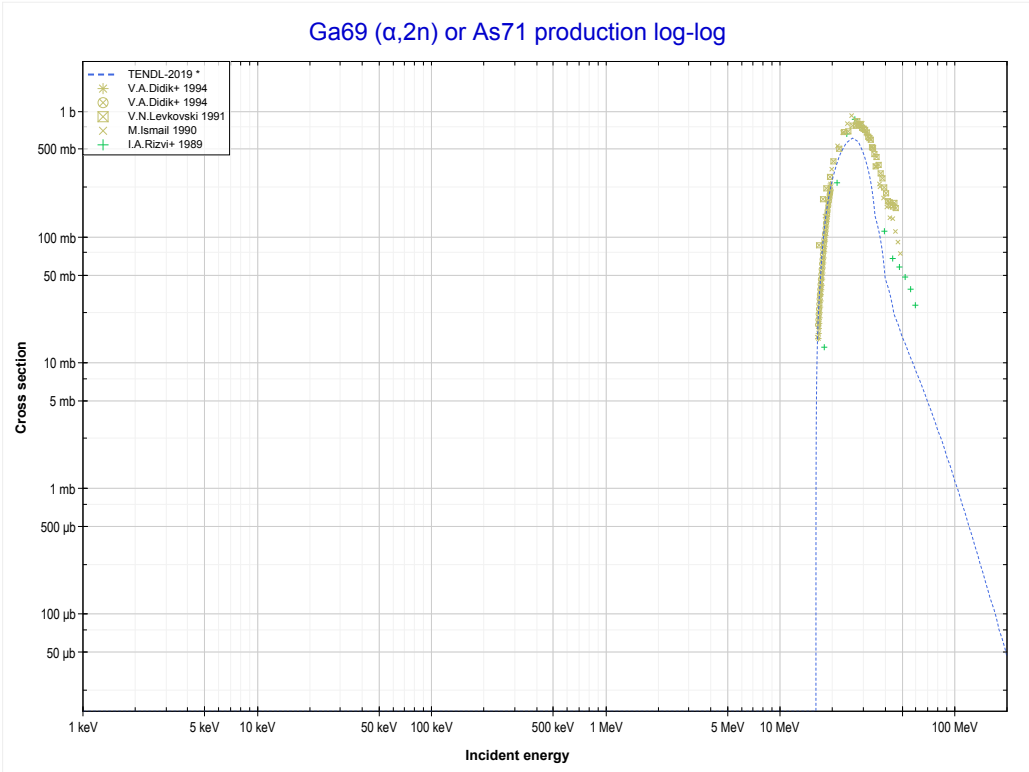
Reaction	Q-Value
Ga69(α,n)As72	-6744.20 keV

<< 30-Zn-68	31-Ga-69	32-Ge-72 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Ge69 production)	MT16 (α,2n) >>



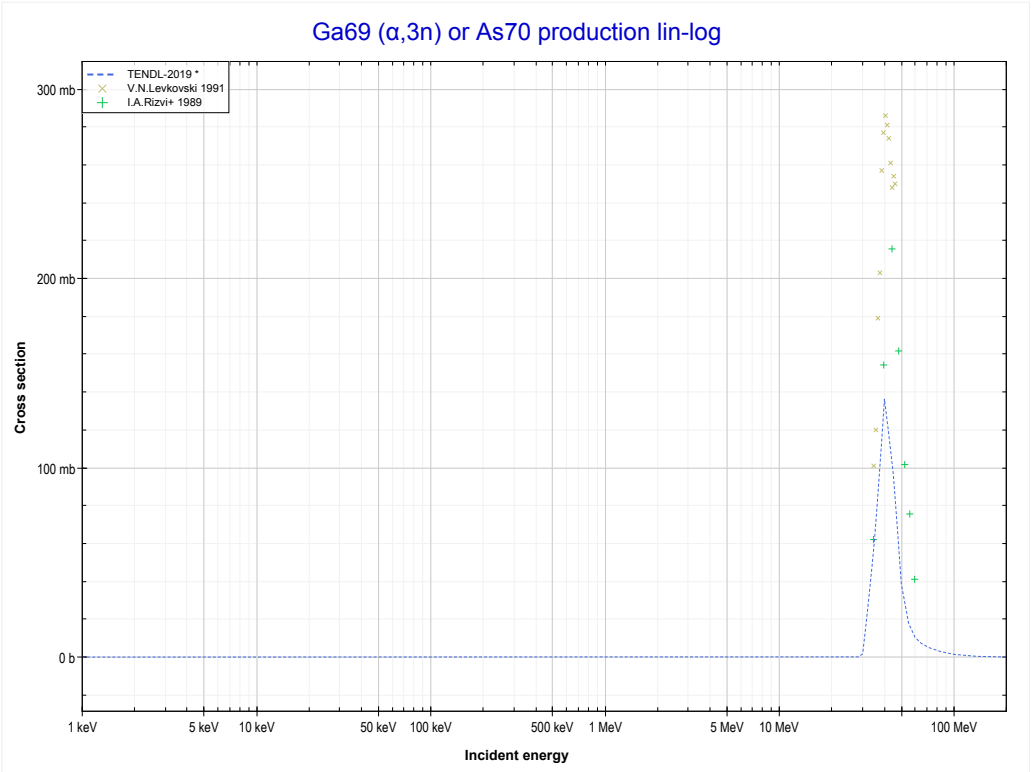
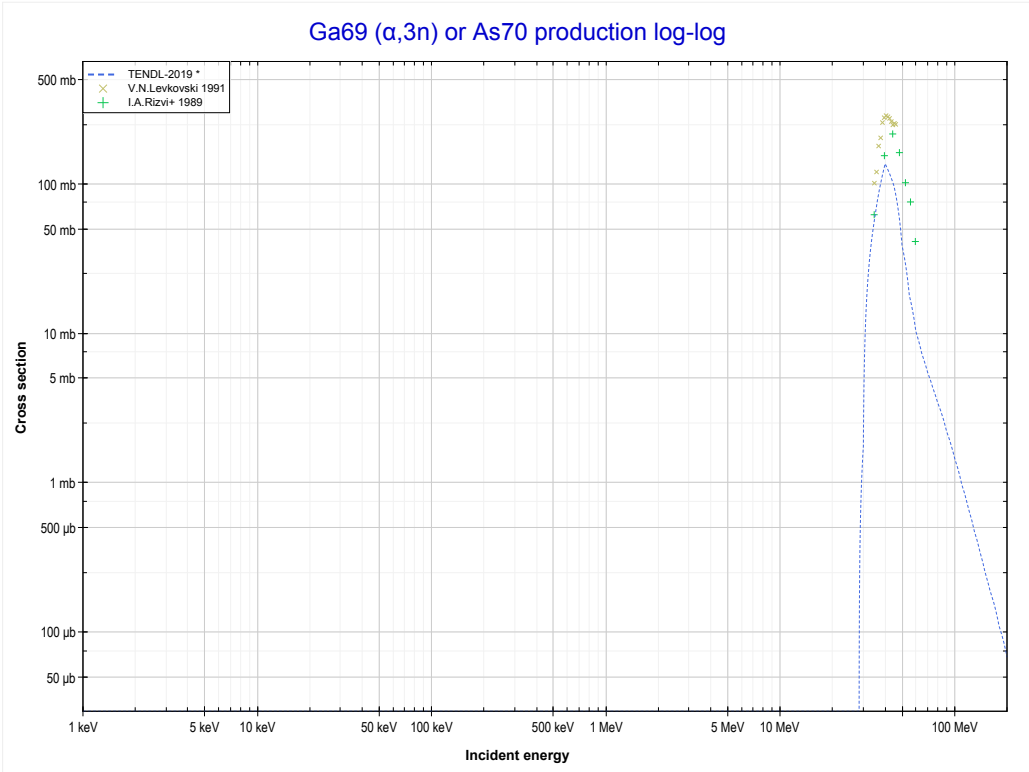
Reaction	Q-Value
Ga69(α,n+t)Ge69	-22823.31 keV
Ga69(α,2n+d)Ge69	-29080.54 keV
Ga69(α,3n+p)Ge69	-31305.11 keV

<< 30-Zn-67	31-Ga-69	32-Ge-70 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (As71 production)	MT17 ($\alpha,3n$) >>



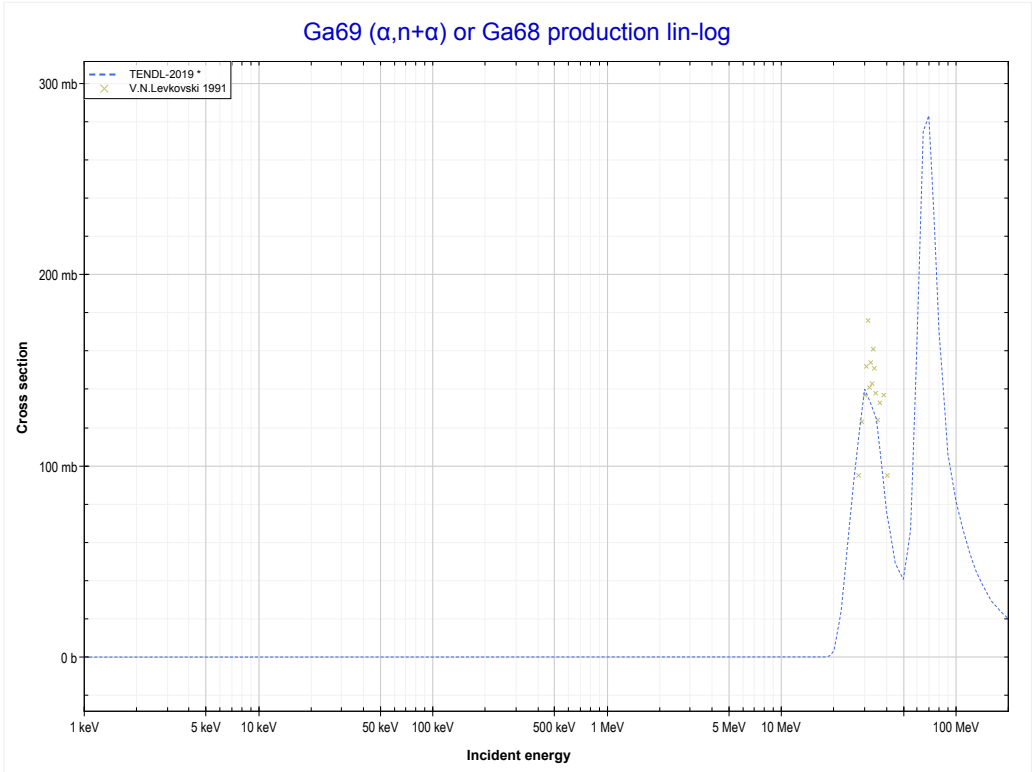
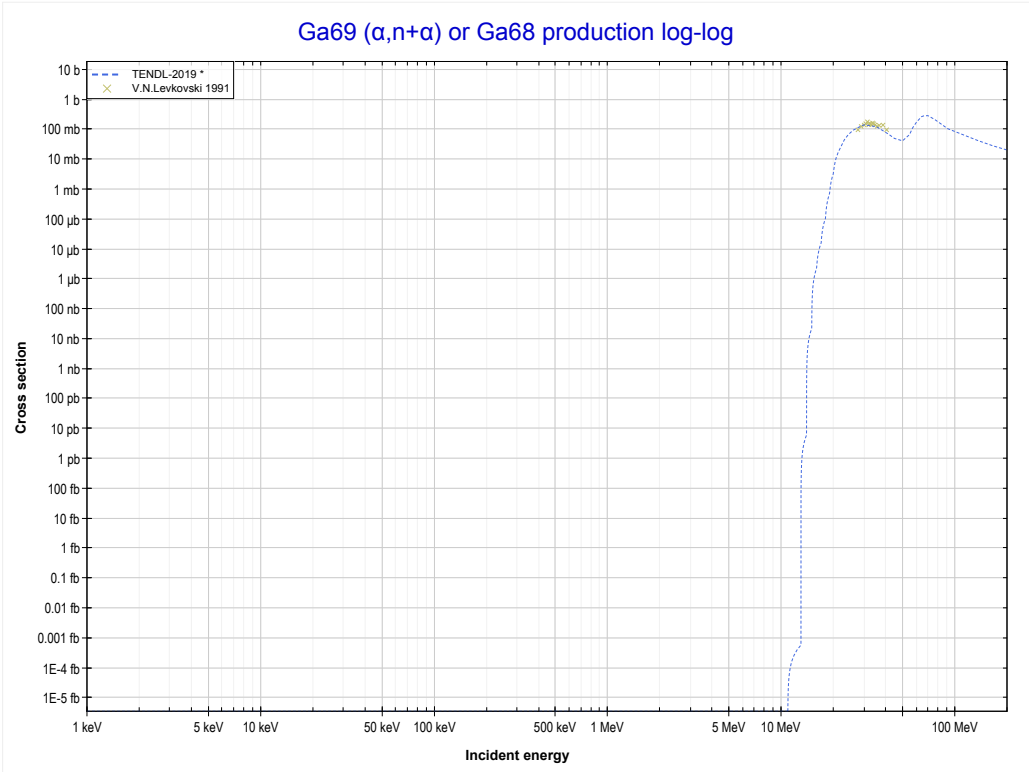
Reaction	Q-Value
Ga69($\alpha,2n$)As71	-15152.52 keV

<< 30-Zn-68	31-Ga-69	31-Ga-71 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (As70 production)	MT22 ($\alpha,n+\alpha$) >>



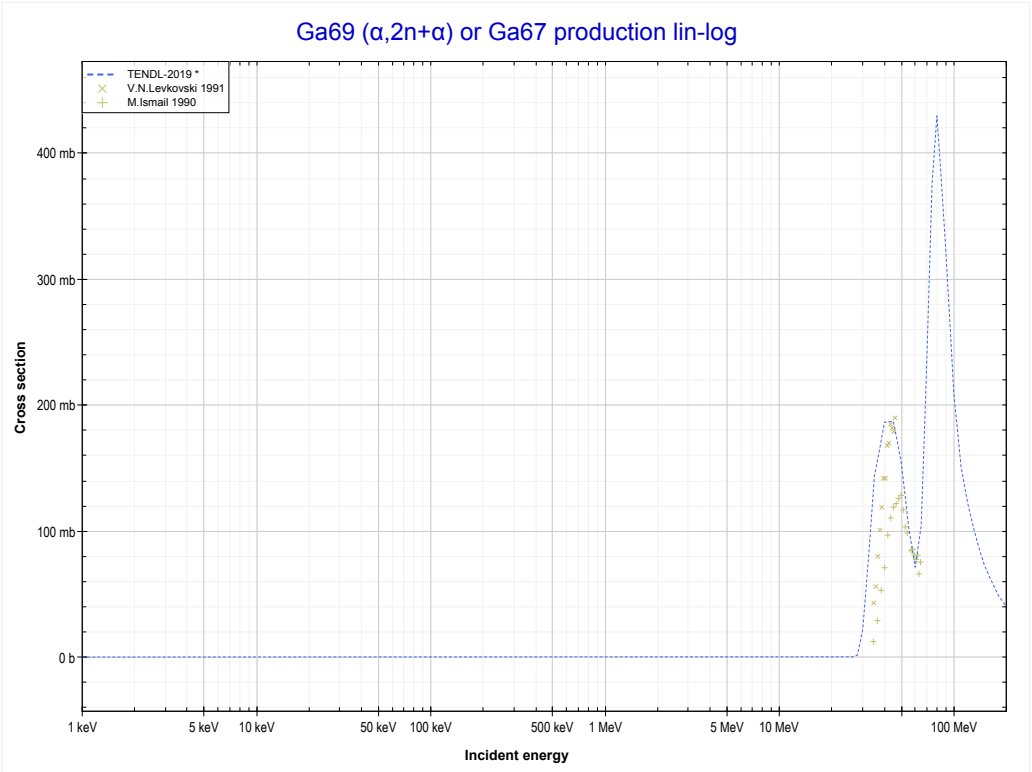
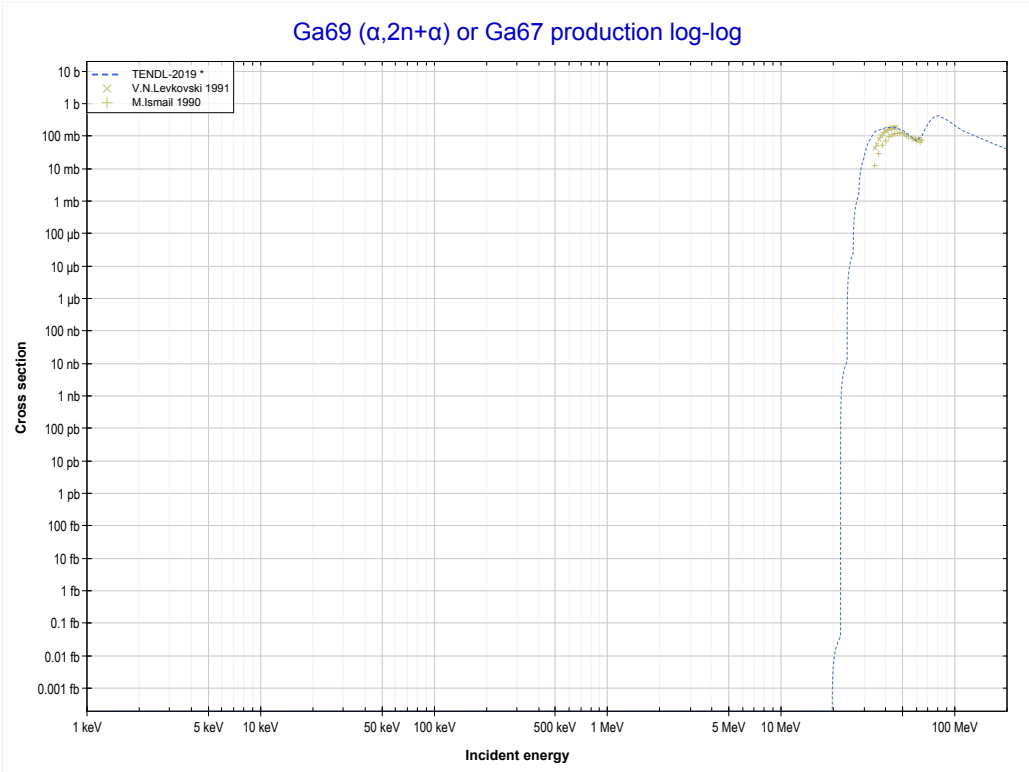
Reaction	Q-Value
Ga69($\alpha,3n$)As70	-26776.84 keV

<< 30-Zn-66	31-Ga-69	32-Ge-70 >>
<< MT17 ($\alpha,3n$)	MT22 ($\alpha,n+\alpha$) or MT5 (Ga68 production)	MT24 ($\alpha,2n+\alpha$) >>



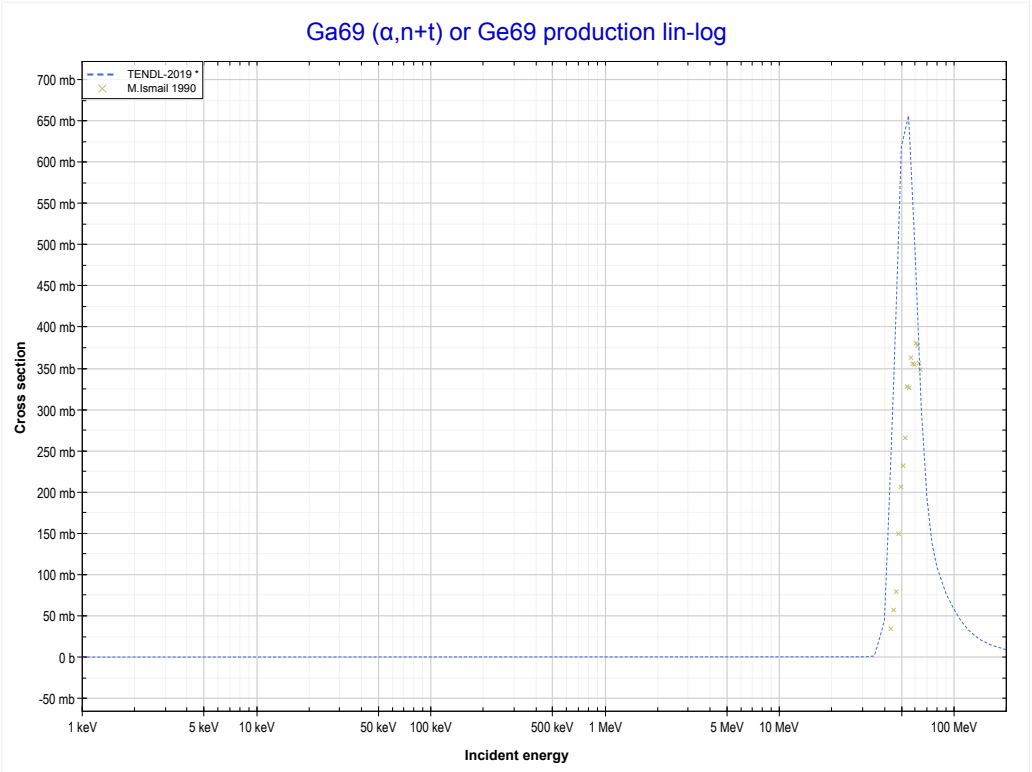
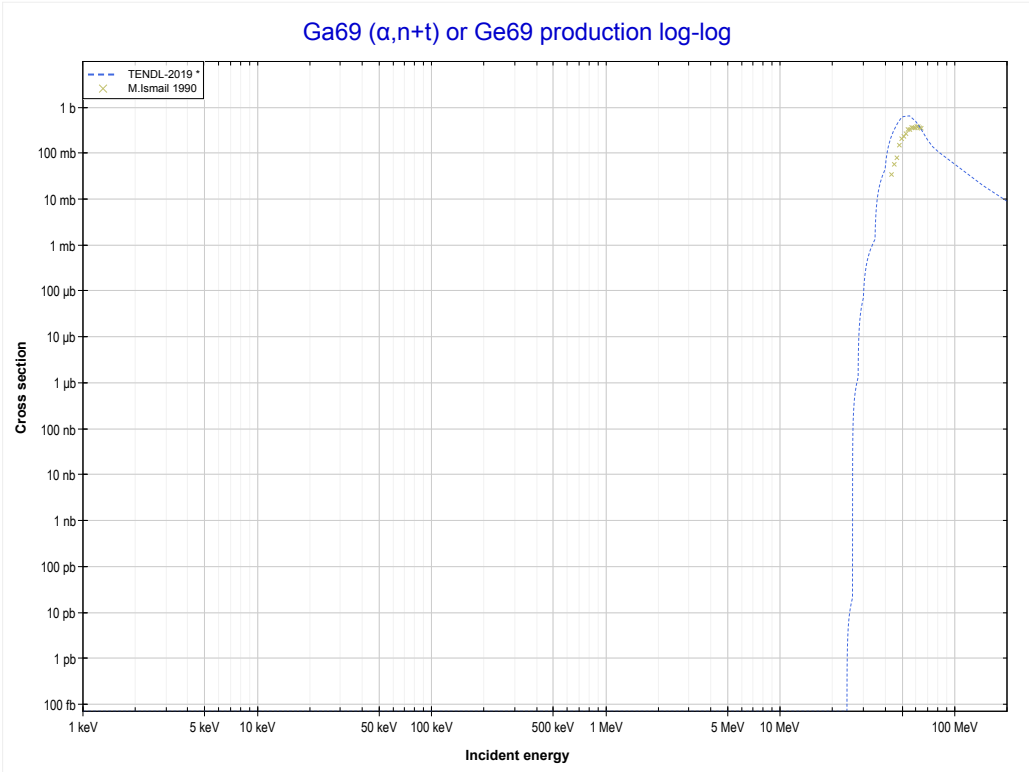
Reaction	Q-Value
Ga69($\alpha,n+\alpha$)Ga68	-10313.12 keV
Ga69($\alpha,d+t$)Ga68	-27902.42 keV
Ga69($\alpha,n+p+t$)Ga68	-30126.98 keV
Ga69($\alpha,2n+He3$)Ga68	-30890.74 keV
Ga69($\alpha,n+2d$)Ga68	-34159.64 keV
Ga69($\alpha,2n+p+d$)Ga68	-36384.21 keV
Ga69($\alpha,3n+2p$)Ga68	-38608.78 keV

<< 30-Zn-67	31-Ga-69	34-Se-74 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Ga67 production)	MT33 ($\alpha,n+t$) >>



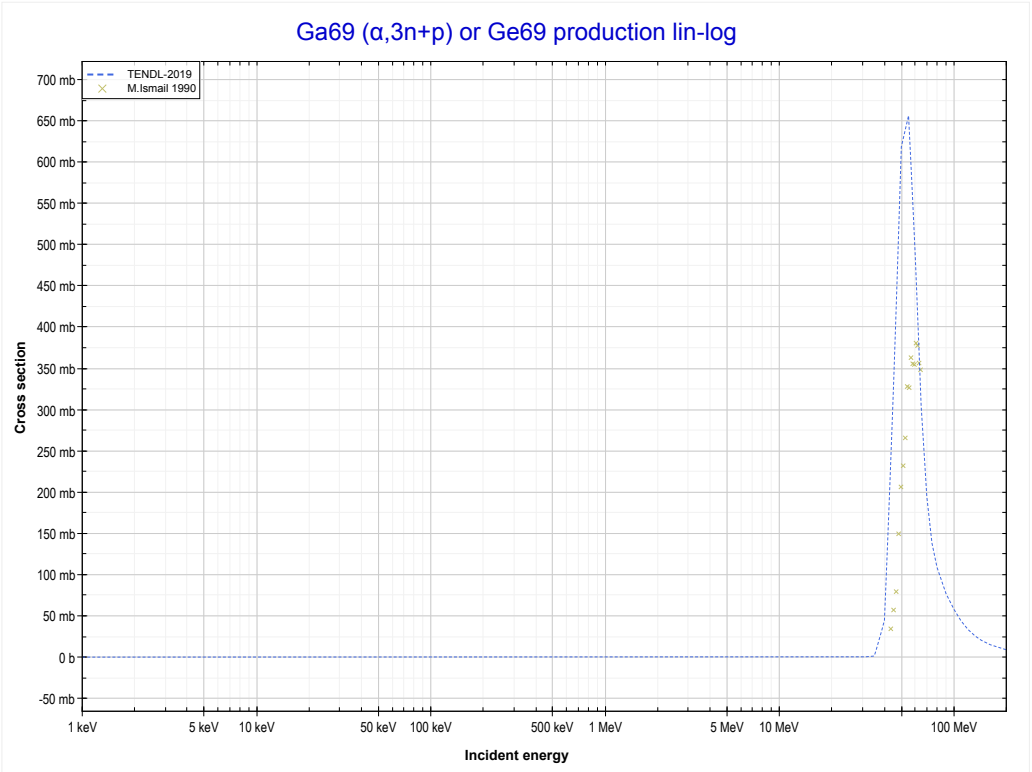
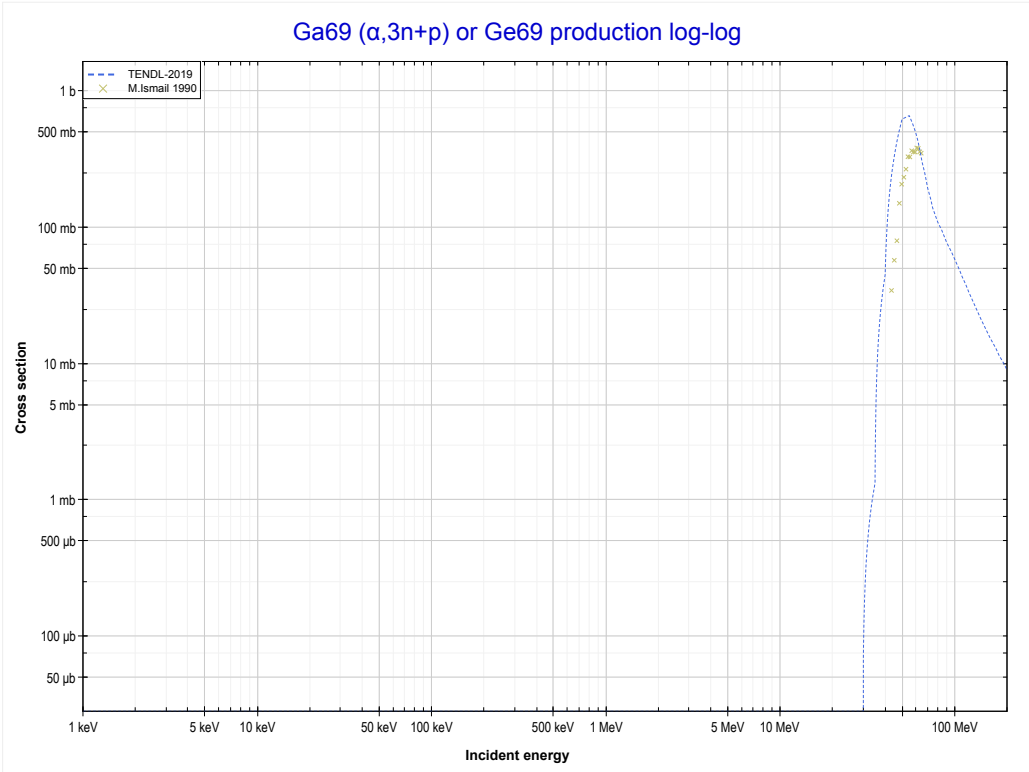
Reaction	Q-Value
Ga69($\alpha,2n+\alpha$)Ga67	-18591.43 keV
Ga69($\alpha,2t$)Ga67	-29923.50 keV
Ga69($\alpha,n+d+t$)Ga67	-36180.73 keV
Ga69($\alpha,2n+p+t$)Ga67	-38405.30 keV
Ga69($\alpha,3n+He3$)Ga67	-39169.05 keV
Ga69($\alpha,2n+2d$)Ga67	-42437.96 keV
Ga69($\alpha,3n+p+d$)Ga67	-44662.53 keV
Ga69($\alpha,4n+2p$)Ga67	-46887.09 keV

<< 30-Zn-68	31-Ga-69	32-Ge-72 >>
<< MT24 (α ,2n+ α)	MT33 (α ,n+t) or MT5 (Ge69 production)	MT42 (α ,3n+p) >>



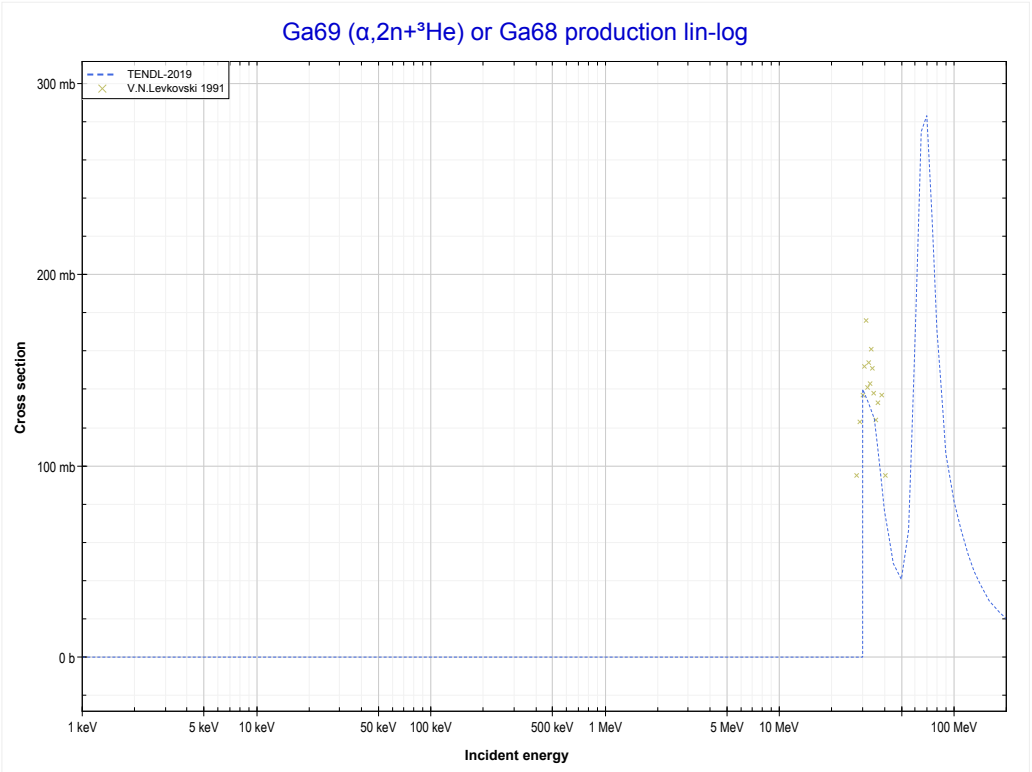
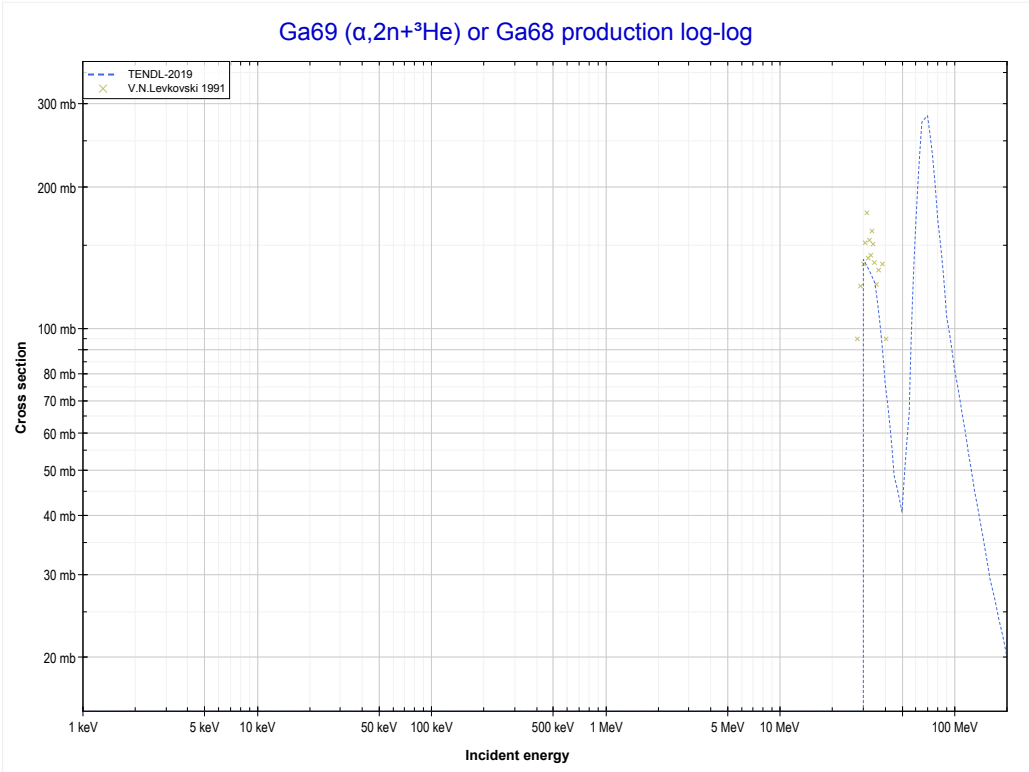
Reaction	Q-Value
Ga69(α ,n+t)Ge69	-22823.31 keV
Ga69(α ,2n+d)Ge69	-29080.54 keV
Ga69(α ,3n+p)Ge69	-31305.11 keV

<< 30-Zn-68	31-Ga-69	32-Ge-72 >>
<< MT33 ($\alpha,n+t$)	MT42 ($\alpha,3n+p$) or MT5 (Ge69 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



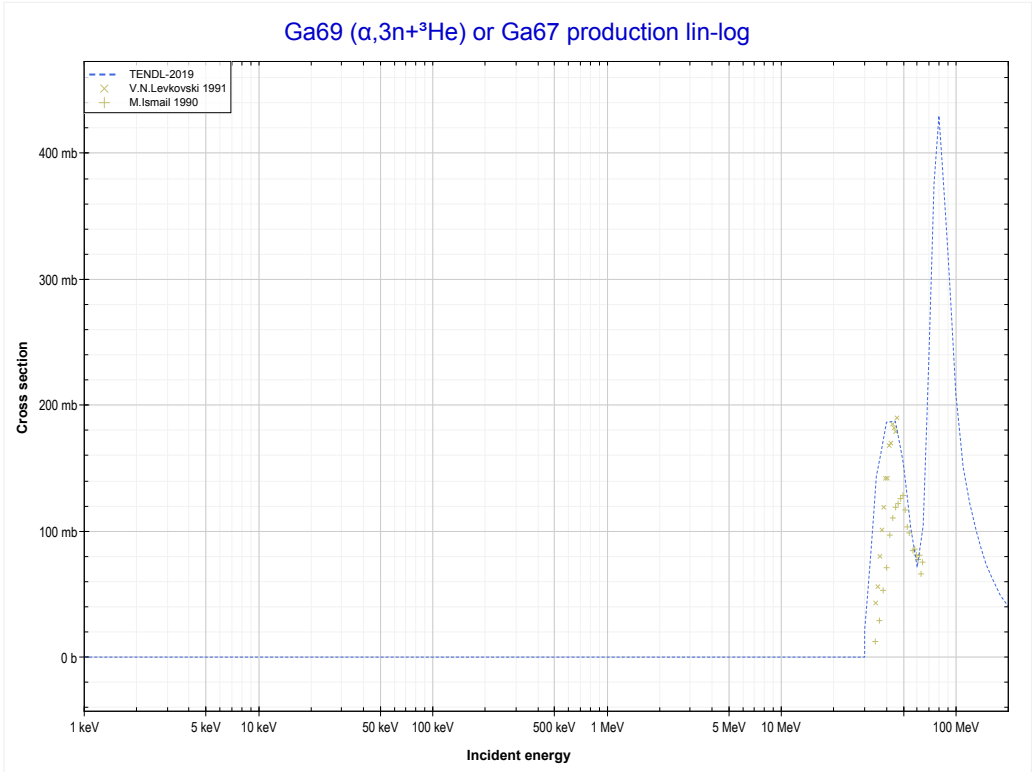
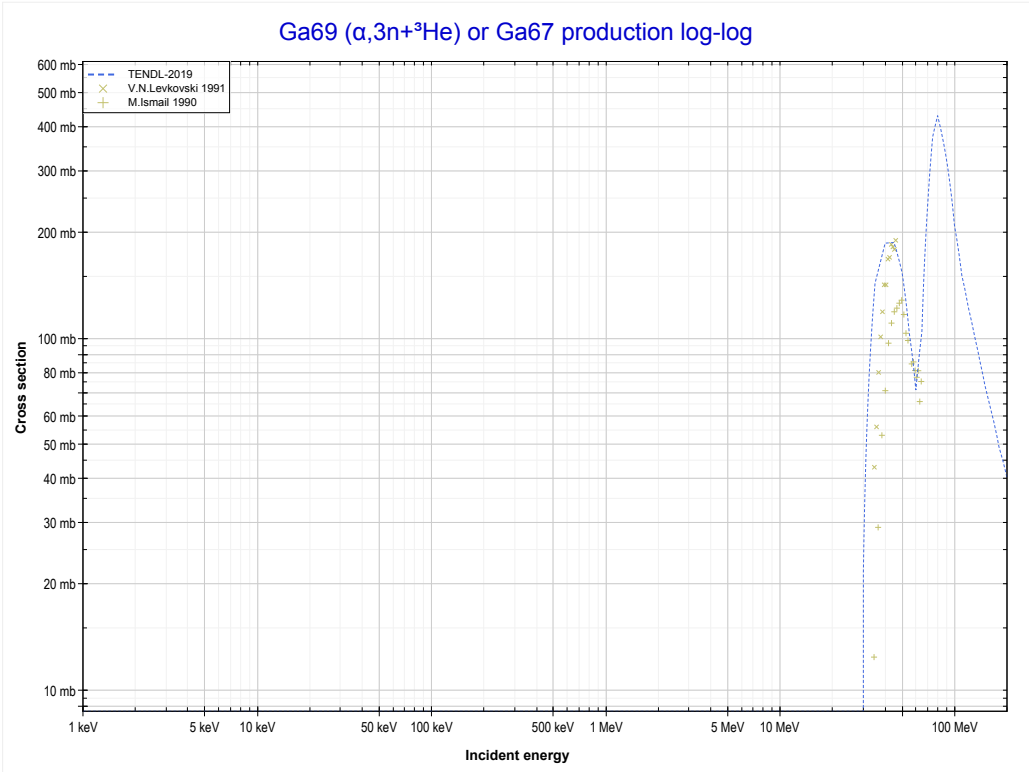
Reaction	Q-Value
Ga69($\alpha,n+t$)Ge69	-22823.31 keV
Ga69($\alpha,2n+d$)Ge69	-29080.54 keV
Ga69($\alpha,3n+p$)Ge69	-31305.11 keV

<< 30-Zn-66	31-Ga-69	32-Ge-70 >>
<< MT42 ($\alpha,3n+p$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Ga68 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



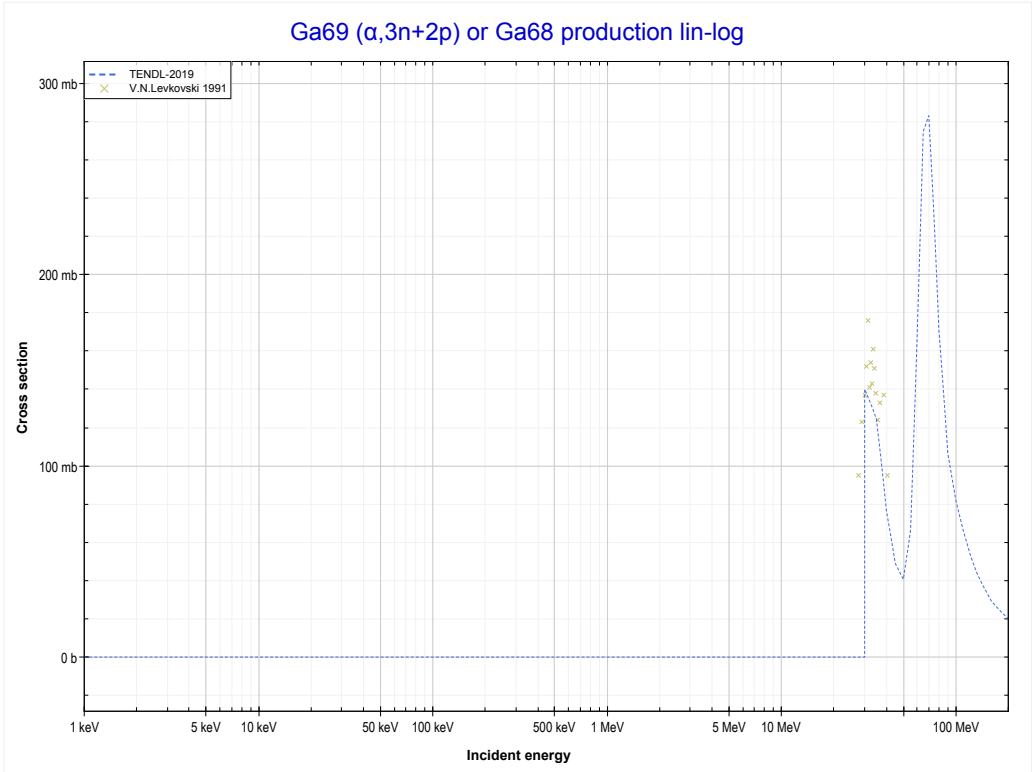
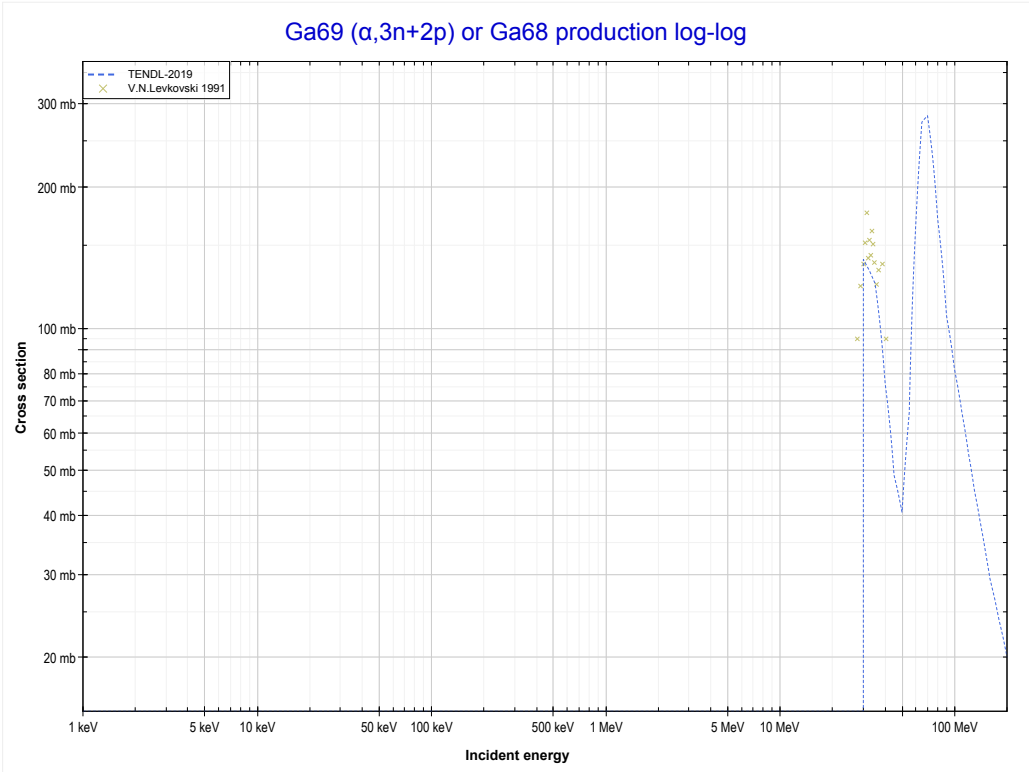
Reaction	Q-Value
Ga69($\alpha,n+\alpha$)Ga68	-10313.12 keV
Ga69($\alpha,d+t$)Ga68	-27902.42 keV
Ga69($\alpha,n+p+t$)Ga68	-30126.98 keV
Ga69($\alpha,2n+\text{He3}$)Ga68	-30890.74 keV
Ga69($\alpha,n+2d$)Ga68	-34159.64 keV
Ga69($\alpha,2n+p+d$)Ga68	-36384.21 keV
Ga69($\alpha,3n+2p$)Ga68	-38608.78 keV

<< 30-Zn-67	31-Ga-69	34-Se-74 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Ga67 production)	MT179 ($\alpha,3n+2p$) >>



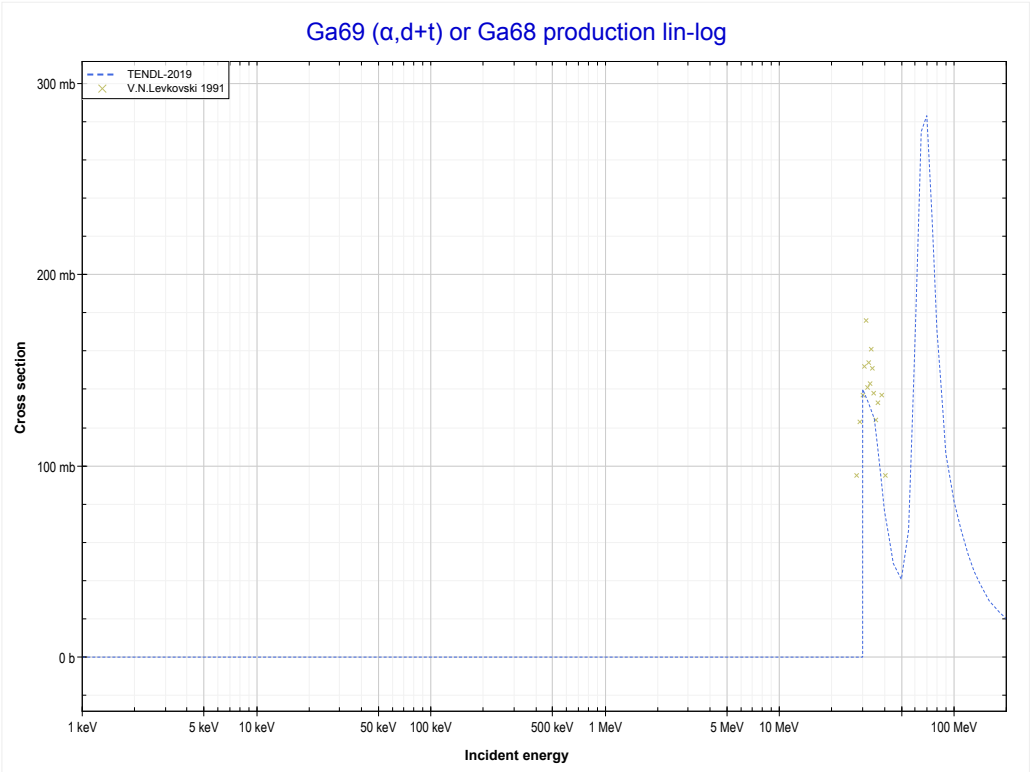
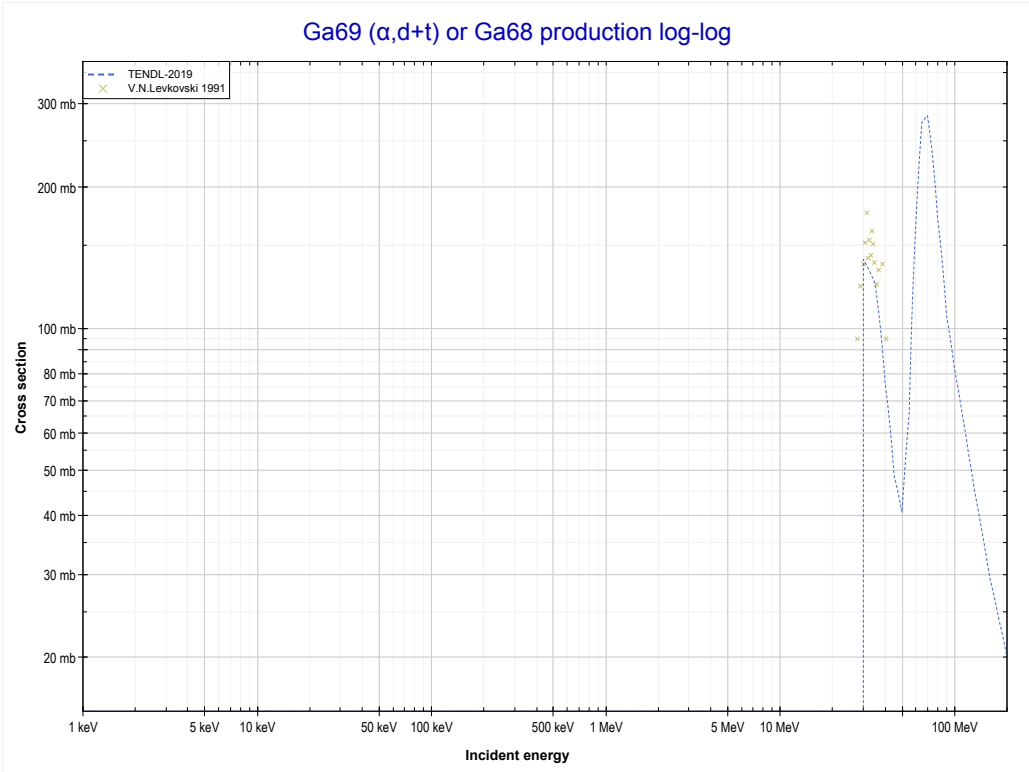
Reaction	Q-Value
Ga69($\alpha,2n+\alpha$)Ga67	-18591.43 keV
Ga69($\alpha,2t$)Ga67	-29923.50 keV
Ga69($\alpha,n+d+t$)Ga67	-36180.73 keV
Ga69($\alpha,2n+p+t$)Ga67	-38405.30 keV
Ga69($\alpha,3n+^3\text{He}$)Ga67	-39169.05 keV
Ga69($\alpha,2n+2d$)Ga67	-42437.96 keV
Ga69($\alpha,3n+p+d$)Ga67	-44662.53 keV
Ga69($\alpha,4n+2p$)Ga67	-46887.09 keV

<< 30-Zn-66	31-Ga-69	32-Ge-70 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Ga68 production)	MT182 ($\alpha,d+t$) >>



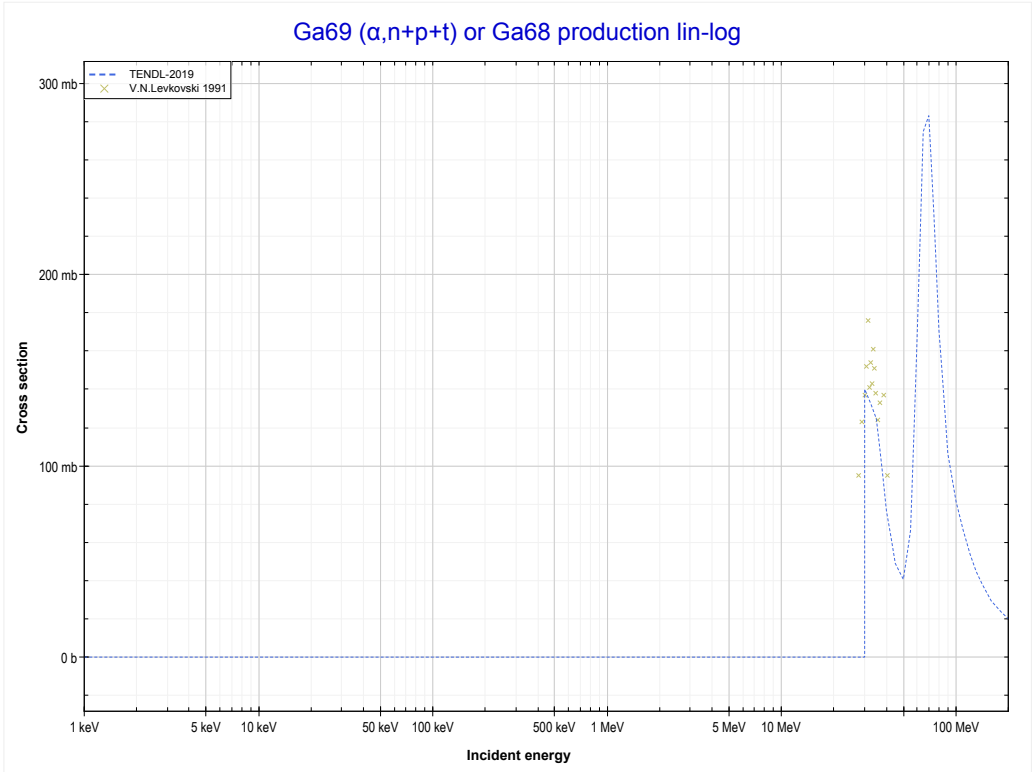
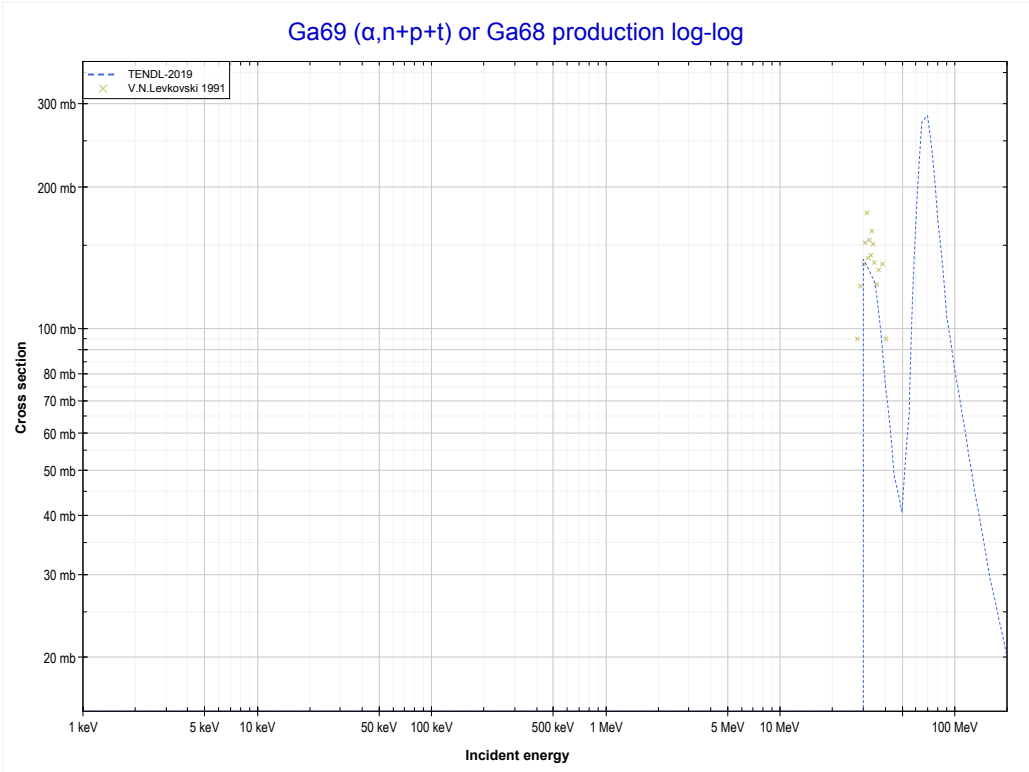
Reaction	Q-Value
Ga69($\alpha,n+\alpha$)Ga68	-10313.12 keV
Ga69($\alpha,d+t$)Ga68	-27902.42 keV
Ga69($\alpha,n+p+t$)Ga68	-30126.98 keV
Ga69($\alpha,2n+\text{He3}$)Ga68	-30890.74 keV
Ga69($\alpha,n+2d$)Ga68	-34159.64 keV
Ga69($\alpha,2n+p+d$)Ga68	-36384.21 keV
Ga69($\alpha,3n+2p$)Ga68	-38608.78 keV

<< 30-Zn-66	31-Ga-69	32-Ge-70 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Ga68 production)	MT184 ($\alpha,n+p+t$) >>



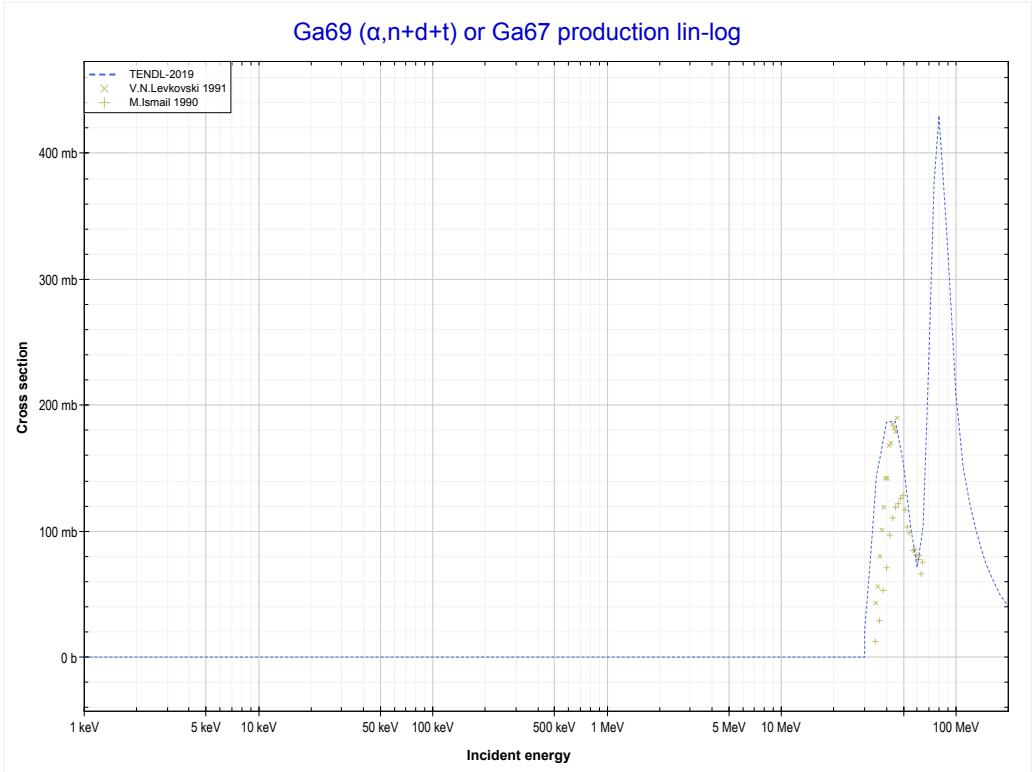
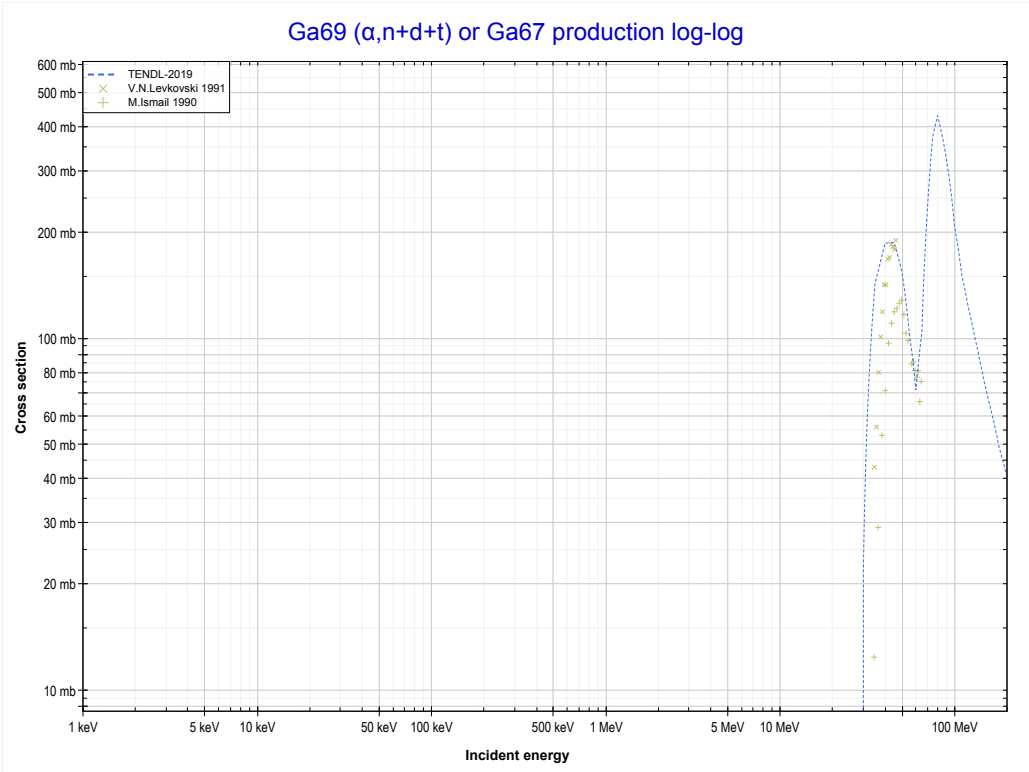
Reaction	Q-Value
Ga69($\alpha,n+\alpha$)Ga68	-10313.12 keV
Ga69($\alpha,d+t$)Ga68	-27902.42 keV
Ga69($\alpha,n+p+t$)Ga68	-30126.98 keV
Ga69($\alpha,2n+He3$)Ga68	-30890.74 keV
Ga69($\alpha,n+2d$)Ga68	-34159.64 keV
Ga69($\alpha,2n+p+d$)Ga68	-36384.21 keV
Ga69($\alpha,3n+2p$)Ga68	-38608.78 keV

<< 30-Zn-66	31-Ga-69	32-Ge-70 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Ga68 production)	MT185 (α,n+d+t) >>



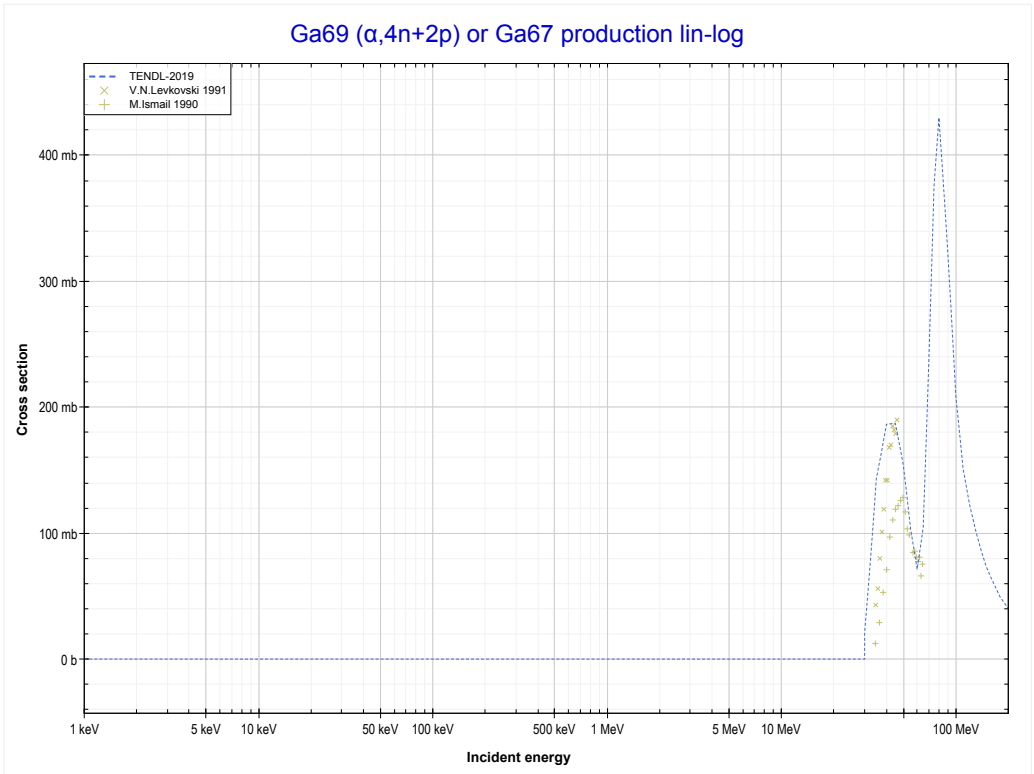
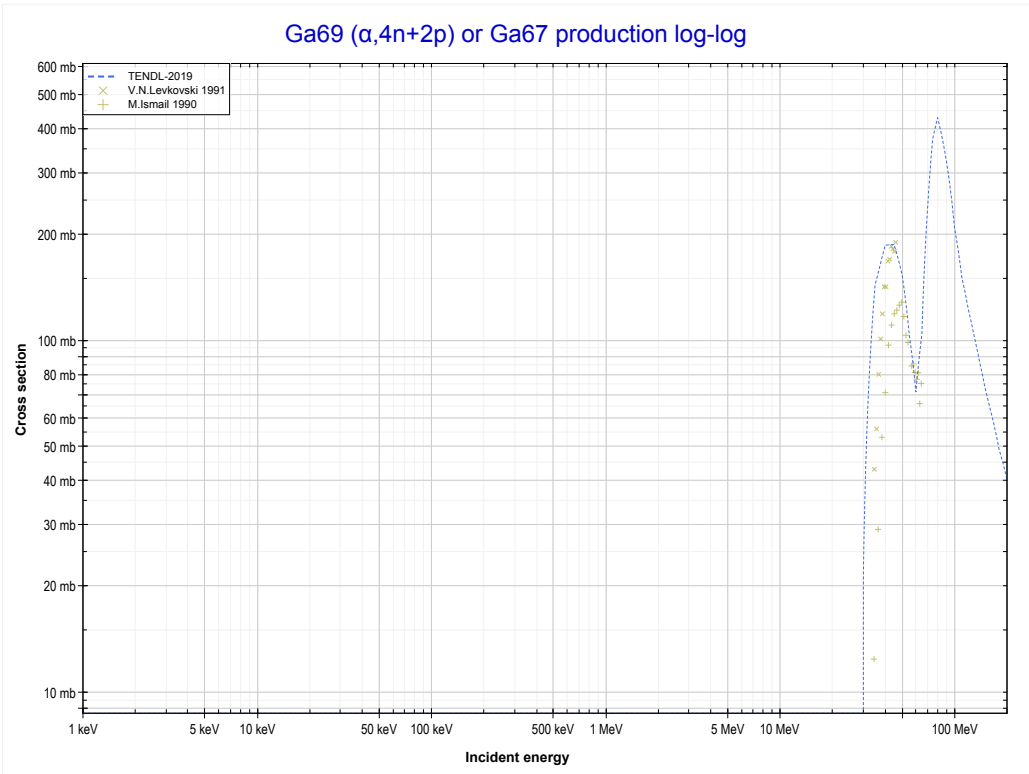
Reaction	Q-Value
Ga69(α,n+α)Ga68	-10313.12 keV
Ga69(α,d+t)Ga68	-27902.42 keV
Ga69(α,n+p+t)Ga68	-30126.98 keV
Ga69(α,2n+He3)Ga68	-30890.74 keV
Ga69(α,n+2d)Ga68	-34159.64 keV
Ga69(α,2n+p+d)Ga68	-36384.21 keV
Ga69(α,3n+2p)Ga68	-38608.78 keV

<< 30-Zn-67	31-Ga-69	34-Se-74 >>
<< MT184 (α ,n+p+t)	MT185 (α ,n+d+t) or MT5 (Ga67 production)	MT194 (α ,4n+2p) >>



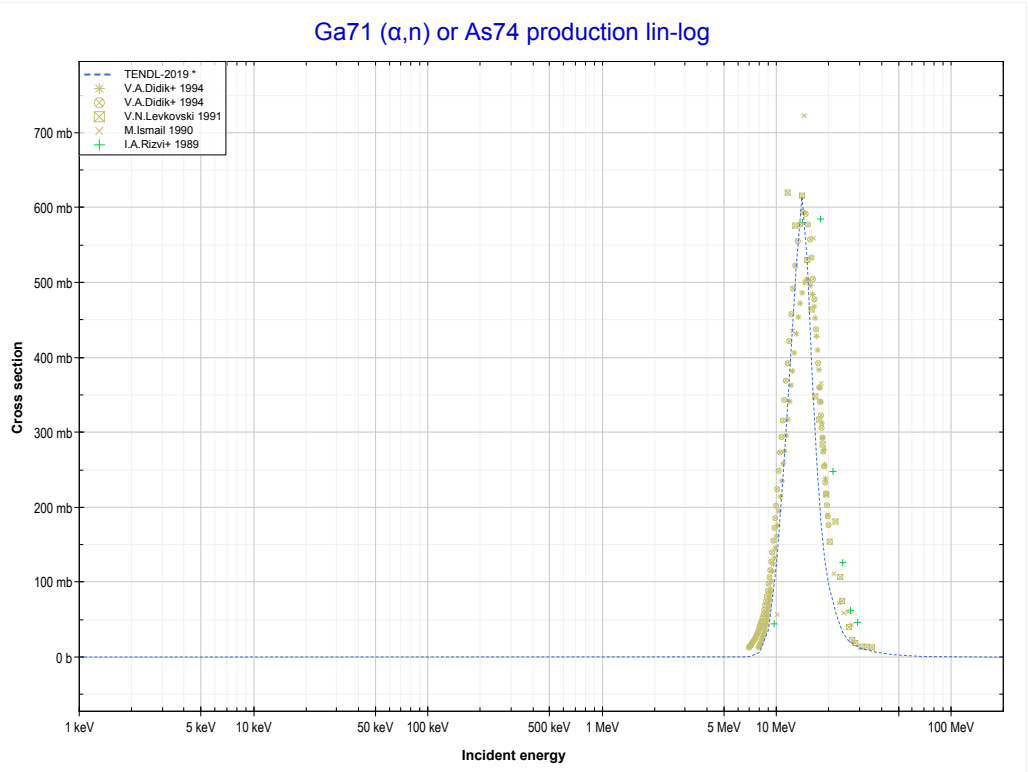
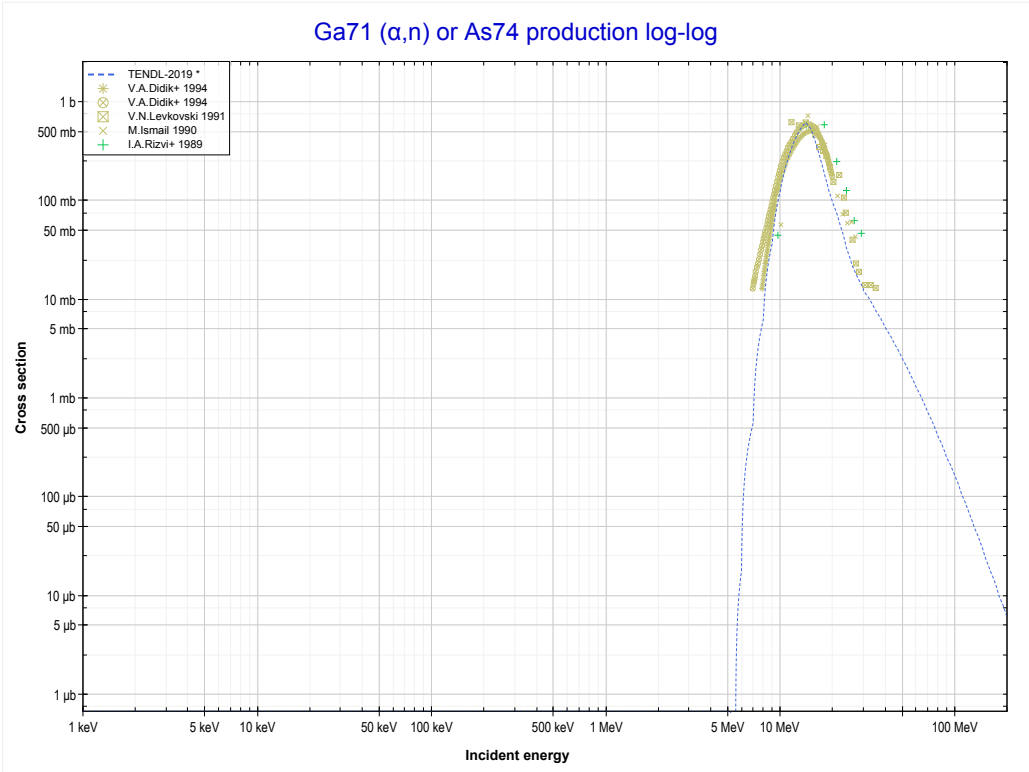
Reaction	Q-Value
Ga69(α ,2n+ α)Ga67	-18591.43 keV
Ga69(α ,2t)Ga67	-29923.50 keV
Ga69(α ,n+d+t)Ga67	-36180.73 keV
Ga69(α ,2n+p+t)Ga67	-38405.30 keV
Ga69(α ,3n+He3)Ga67	-39169.05 keV
Ga69(α ,2n+2d)Ga67	-42437.96 keV
Ga69(α ,3n+p+d)Ga67	-44662.53 keV
Ga69(α ,4n+2p)Ga67	-46887.09 keV

<< 30-Zn-67	31-Ga-69	34-Se-74 >>
<< MT185 (α,n+d+t)	MT194 (α,4n+2p) or MT5 (Ga67 production)	31-Ga-71 MT4 (α,n) >>



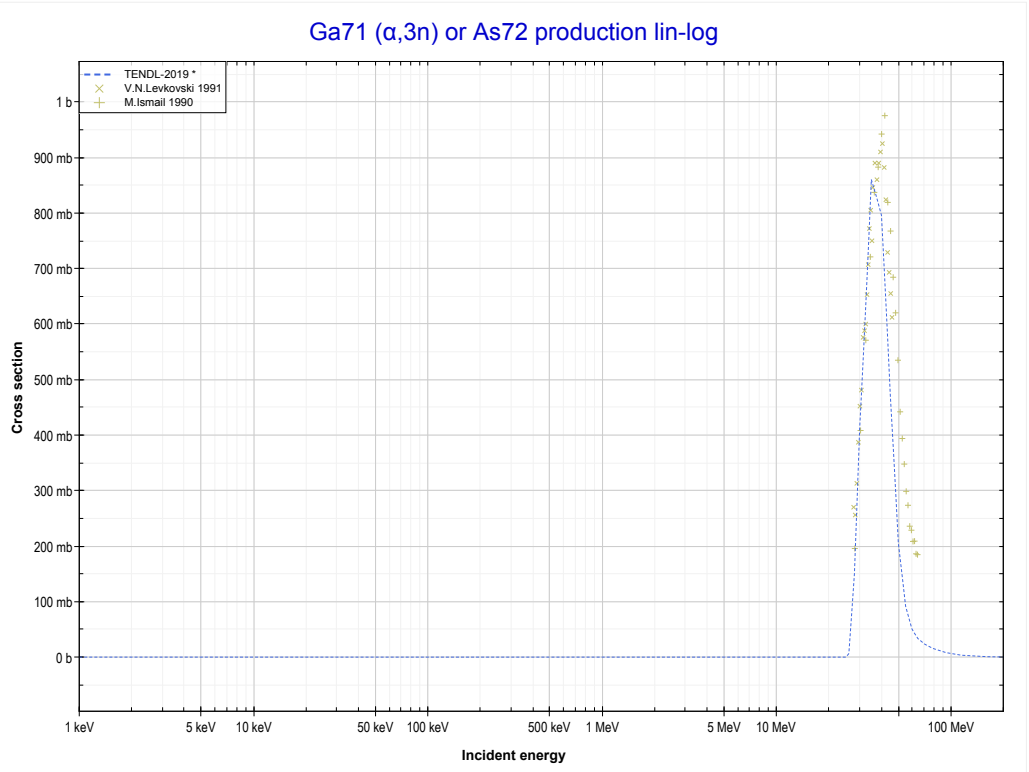
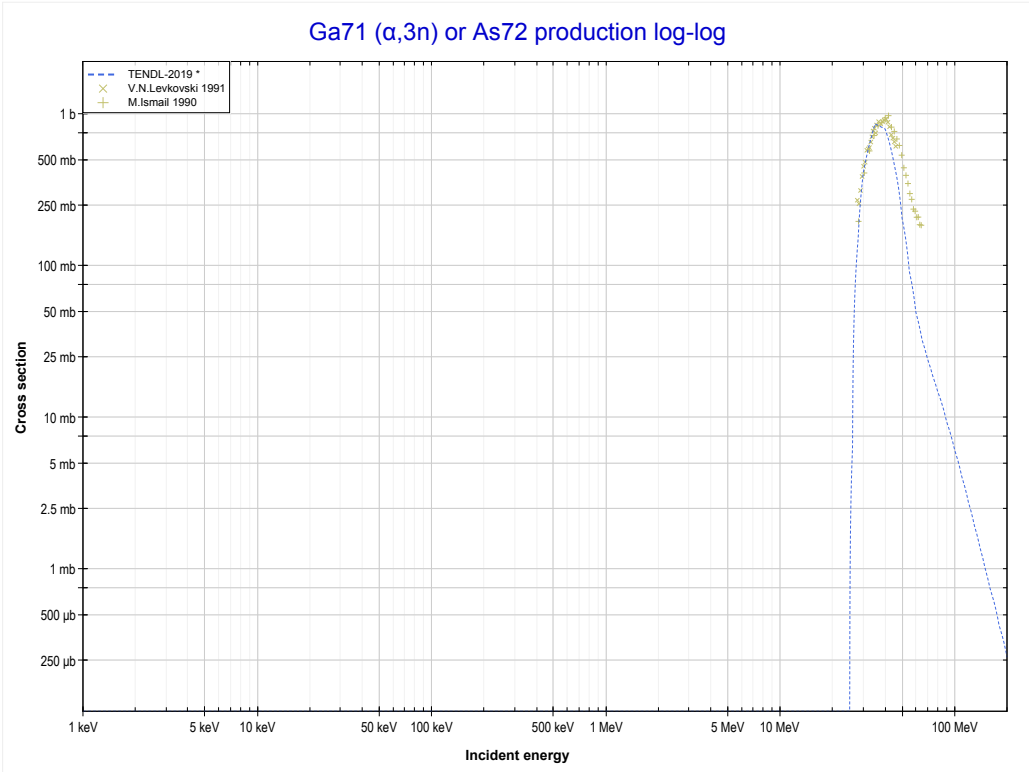
Reaction	Q-Value
Ga69(α,2n+α)Ga67	-18591.43 keV
Ga69(α,2t)Ga67	-29923.50 keV
Ga69(α,n+d+t)Ga67	-36180.73 keV
Ga69(α,2n+p+t)Ga67	-38405.30 keV
Ga69(α,3n+He3)Ga67	-39169.05 keV
Ga69(α,2n+2d)Ga67	-42437.96 keV
Ga69(α,3n+p+d)Ga67	-44662.53 keV
Ga69(α,4n+2p)Ga67	-46887.09 keV

<< 31-Ga-69	31-Ga-71	32-Ge-70 >>
<< 31-Ga-69 MT194 (α ,4n+2p)	MT4 (α ,n) or MT5 (As74 production)	MT17 (α ,3n) >>



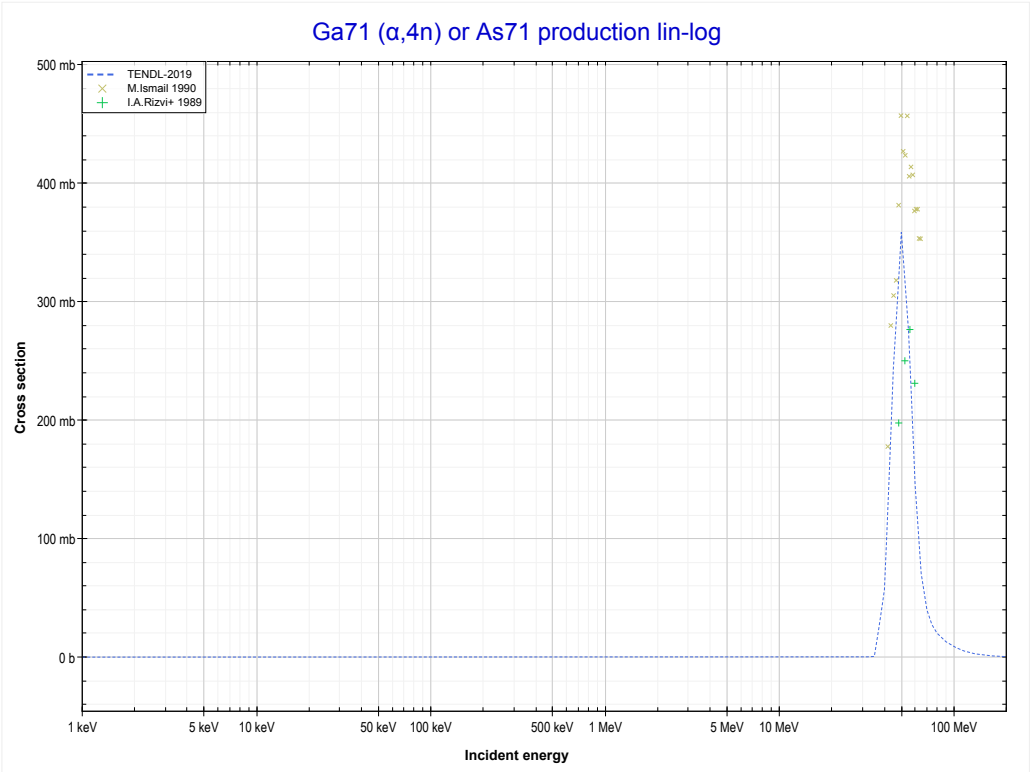
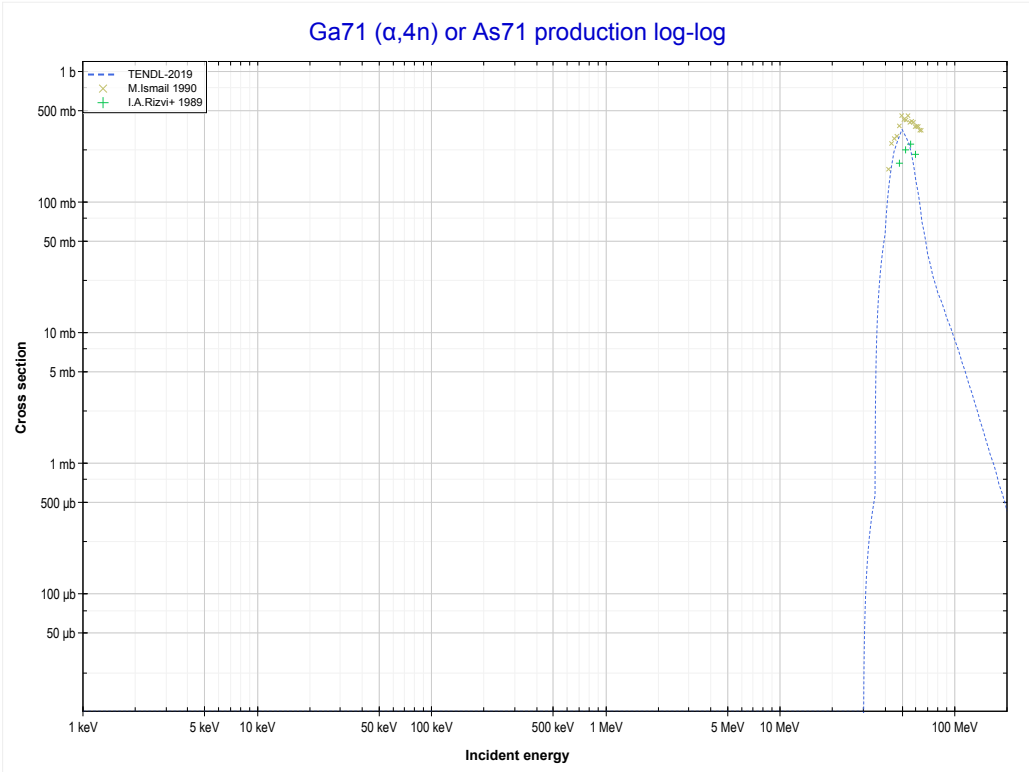
Reaction	Q-Value
Ga71(α ,n)As74	-4925.40 keV

<< 31-Ga-69	31-Ga-71	32-Ge-72 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (As72 production)	MT37 (α,4n) >>



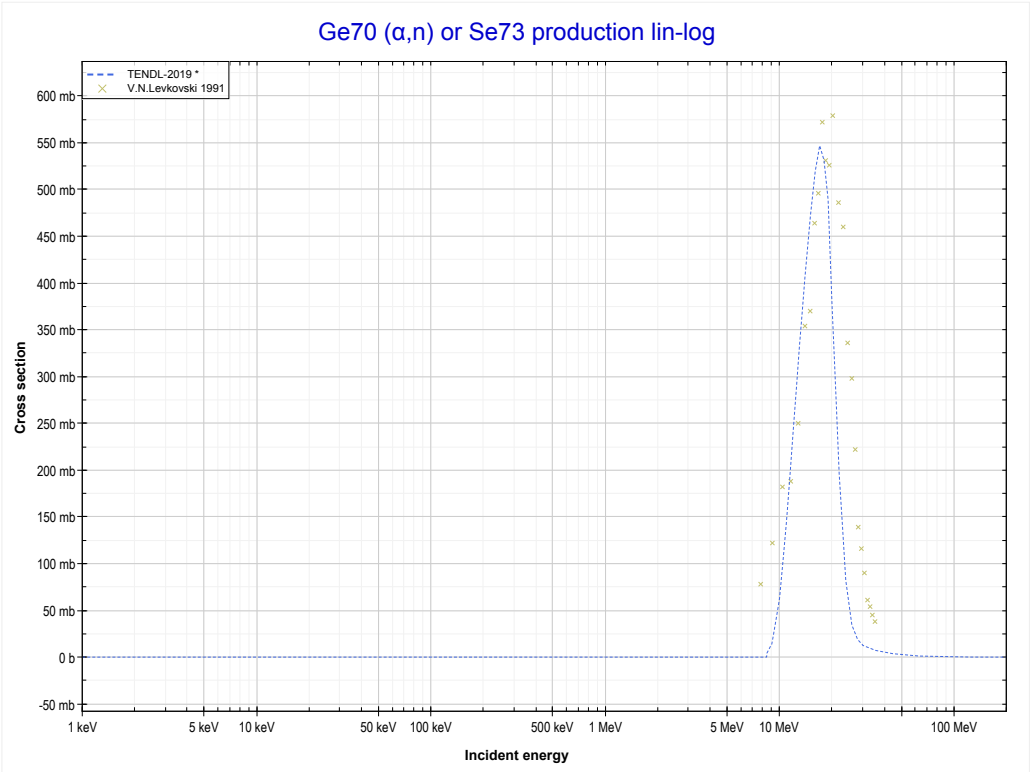
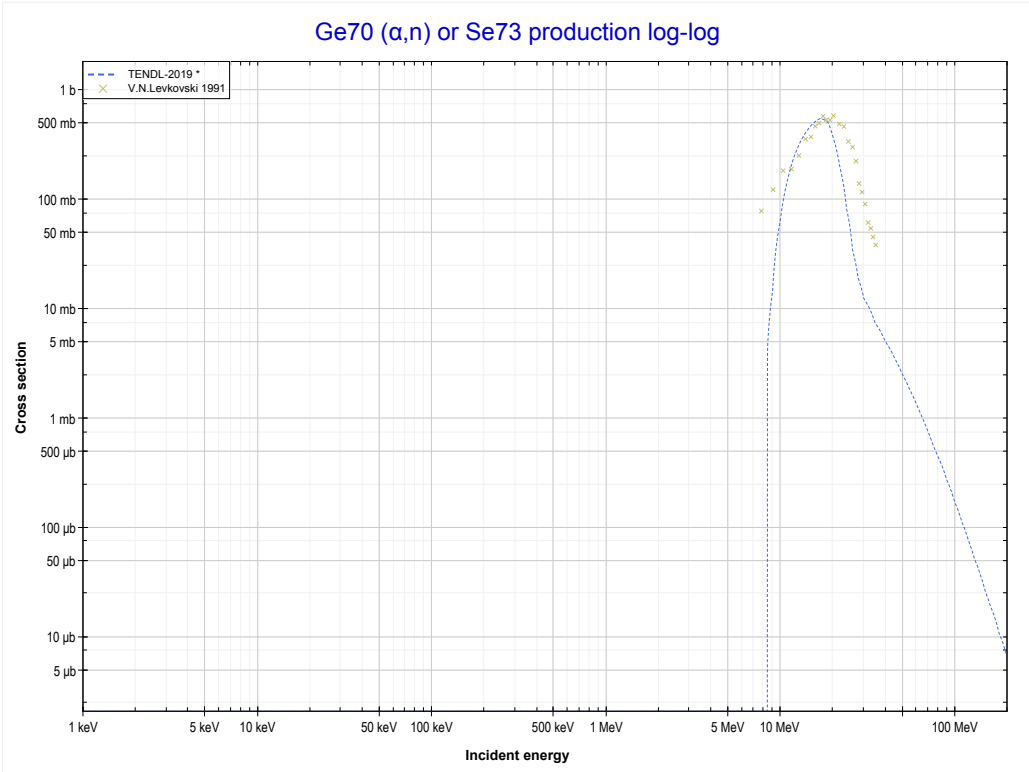
Reaction	Q-Value
Ga71(α,3n)As72	-23698.14 keV

<< 30-Zn-67	31-Ga-71	32-Ge-72 >>
<< MT17 (α,3n)	MT37 (α,4n) or MT5 (As71 production)	32-Ge-70 MT4 (α,n) >>



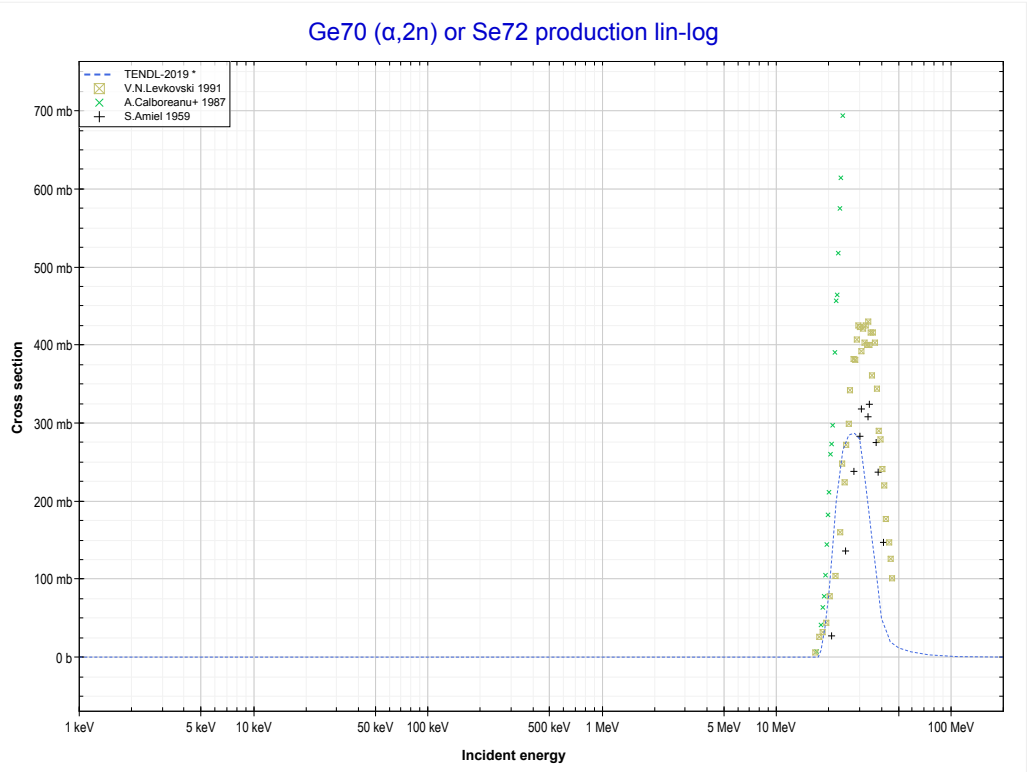
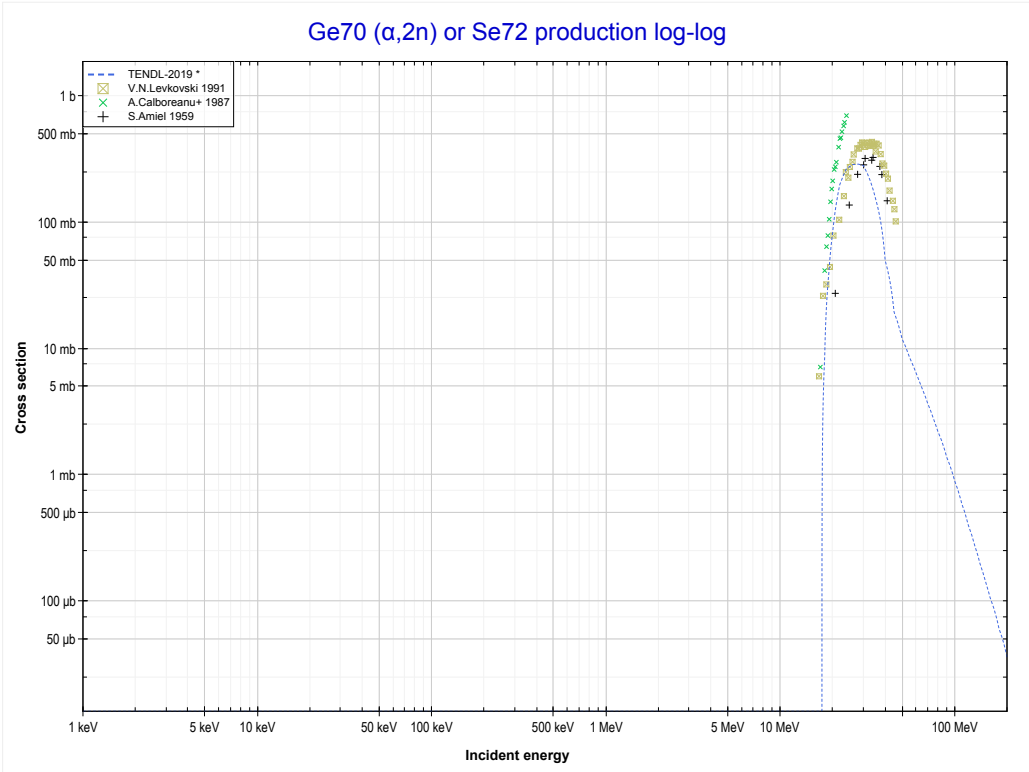
Reaction	Q-Value
Ga71(α,4n)As71	-32106.45 keV

<< 31-Ga-71	32-Ge-70	32-Ge-72 >>
<< 31-Ga-71 MT37 (α,4n)	MT4 (α,n) or MT5 (Se73 production)	MT16 (α,2n) >>



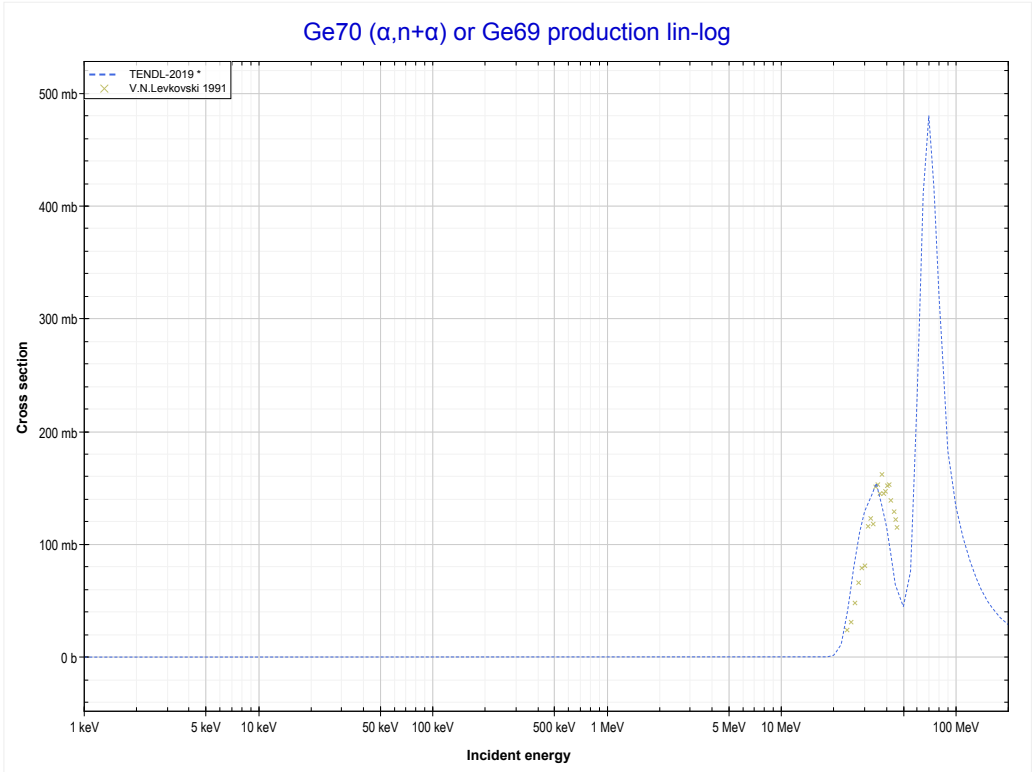
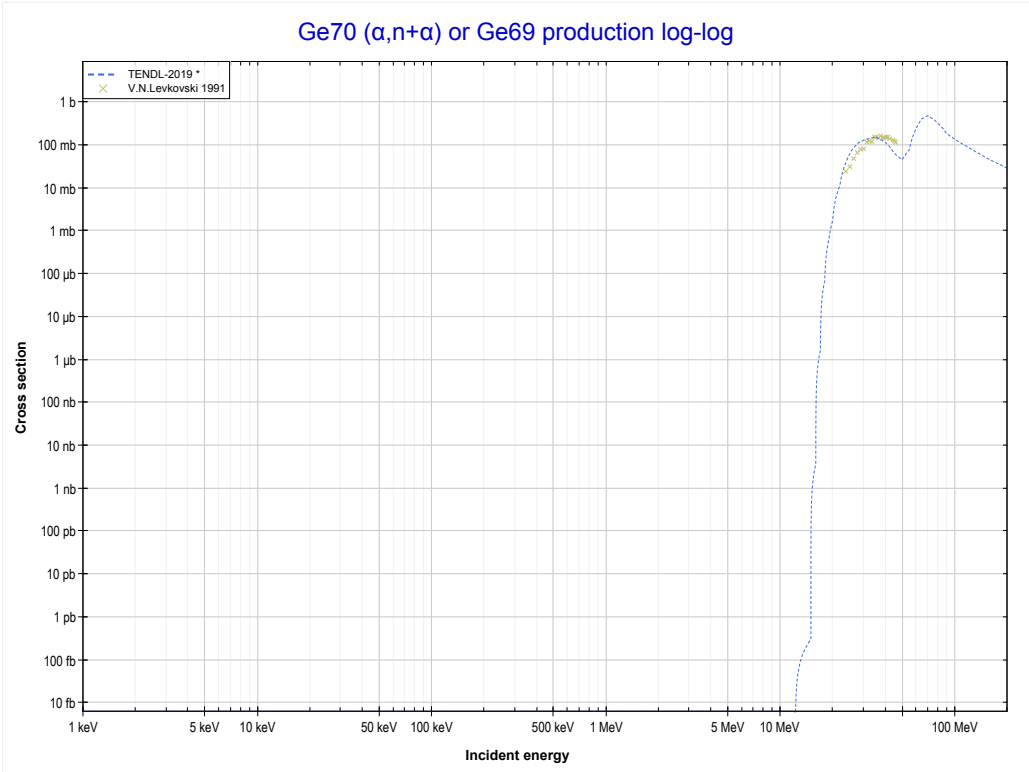
Reaction	Q-Value
Ge70(α,n)Se73	-7981.30 keV

<< 31-Ga-69	32-Ge-70	32-Ge-73 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Se72 production)	MT22 (α,n+α) >>



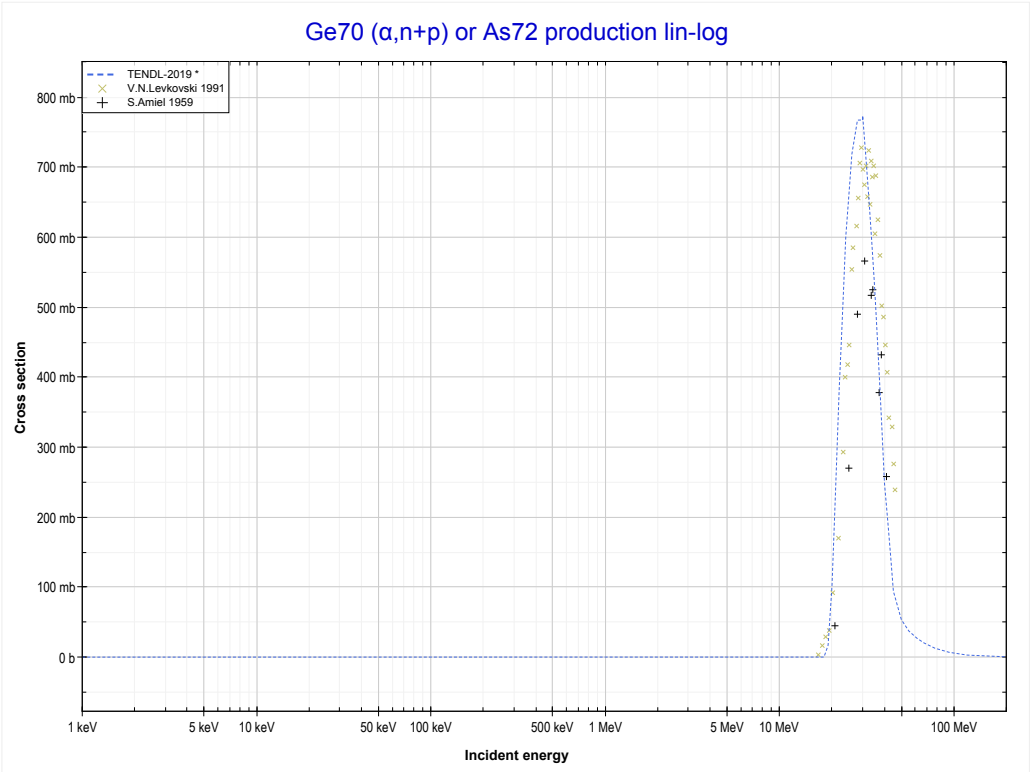
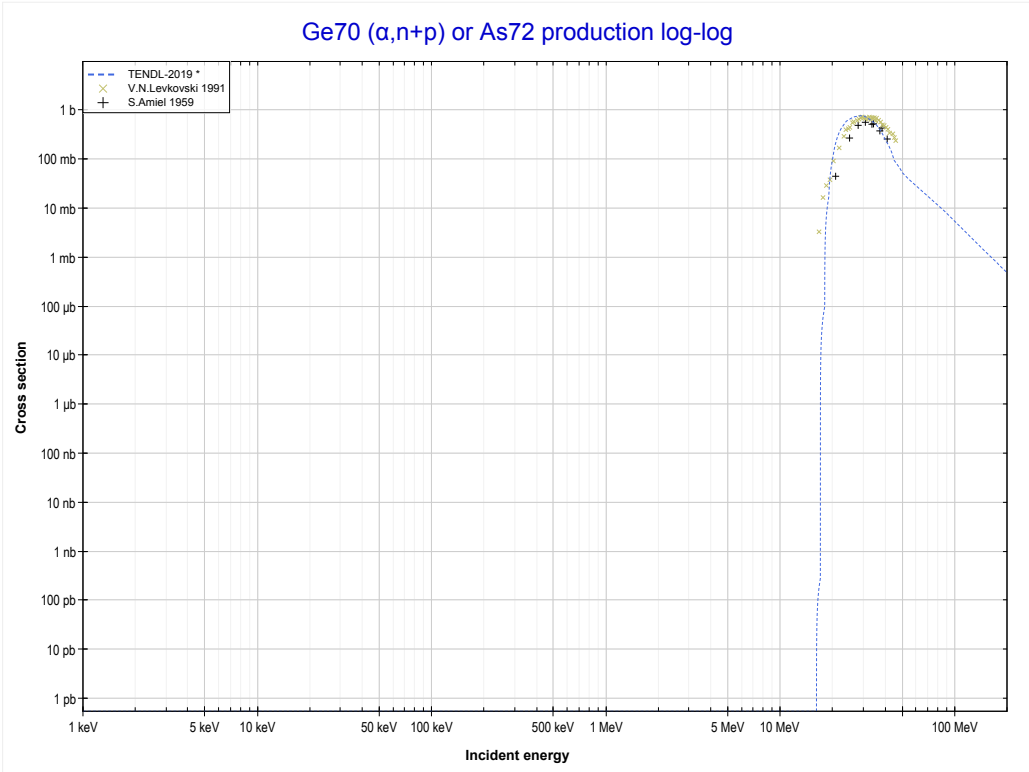
Reaction	Q-Value
Ge70(α,2n)Se72	-16411.42 keV

<< 31-Ga-69	32-Ge-70	32-Ge-76 >>
<< MT16 (α,2n)	MT22 (α,n+α) or MT5 (Ge69 production)	MT28 (α,n+p) >>



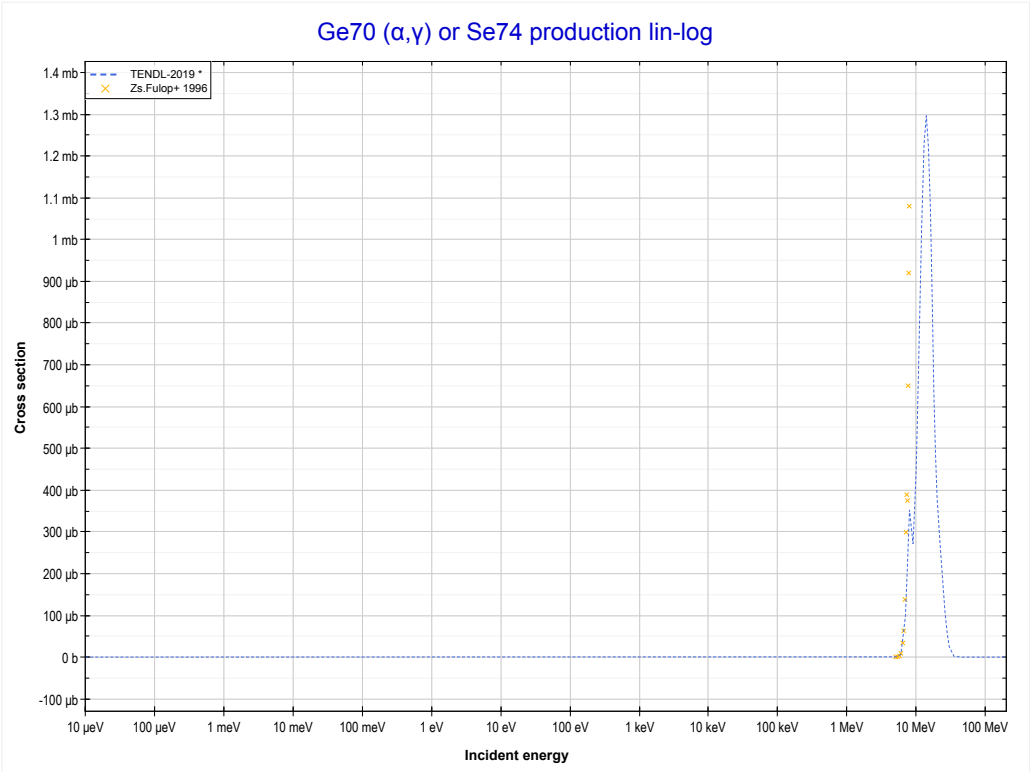
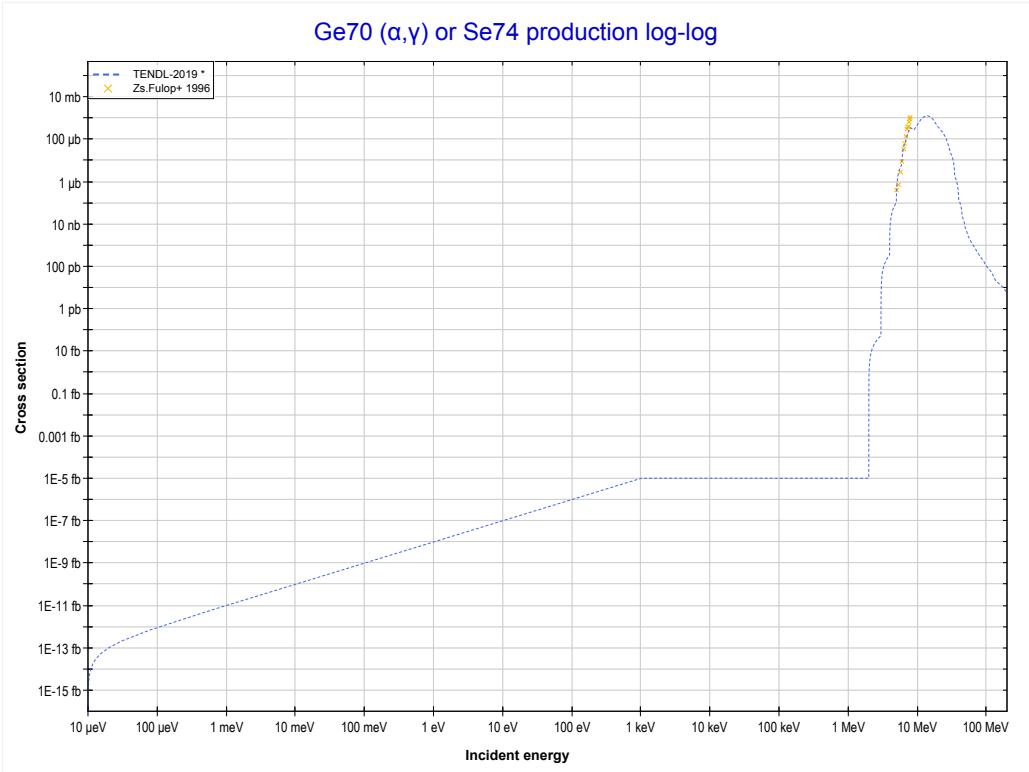
Reaction	Q-Value
Ge70(α,n+α)Ge69	-11532.52 keV
Ge70(α,d+t)Ge69	-29121.82 keV
Ge70(α,n+p+t)Ge69	-31346.38 keV
Ge70(α,2n+He3)Ge69	-32110.14 keV
Ge70(α,n+2d)Ge69	-35379.04 keV
Ge70(α,2n+p+d)Ge69	-37603.61 keV
Ge70(α,3n+2p)Ge69	-39828.18 keV

<< 30-Zn-70	32-Ge-70	32-Ge-72 >>
<< MT22 ($\alpha,n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (As72 production)	MT102 (α,γ) >>



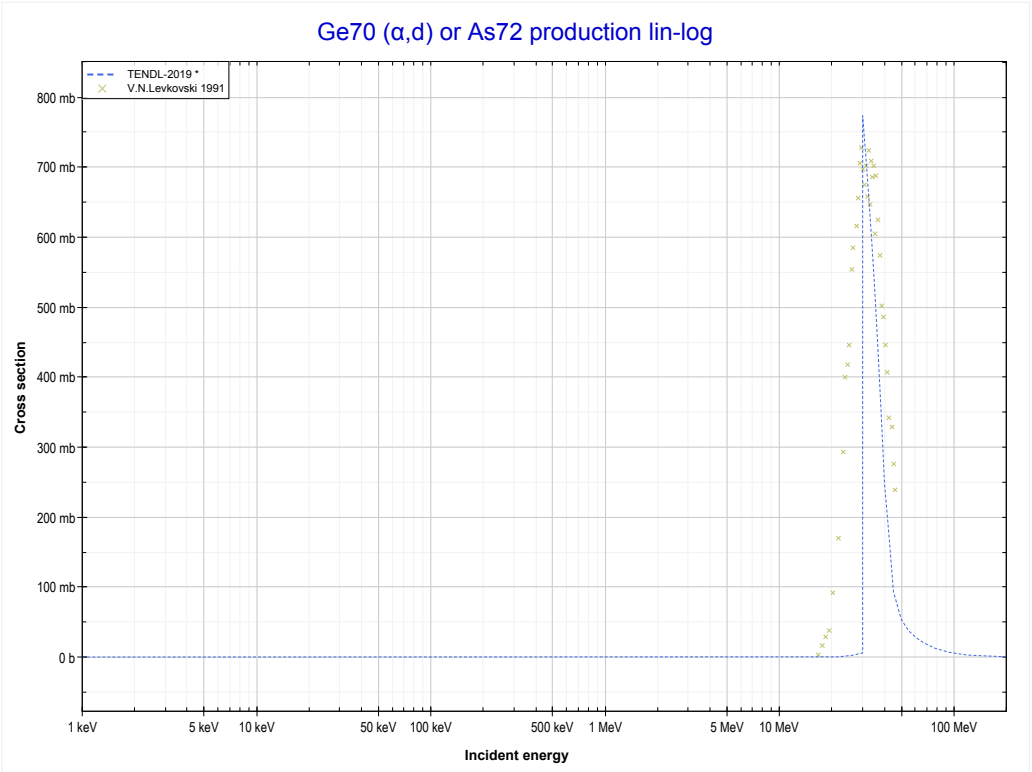
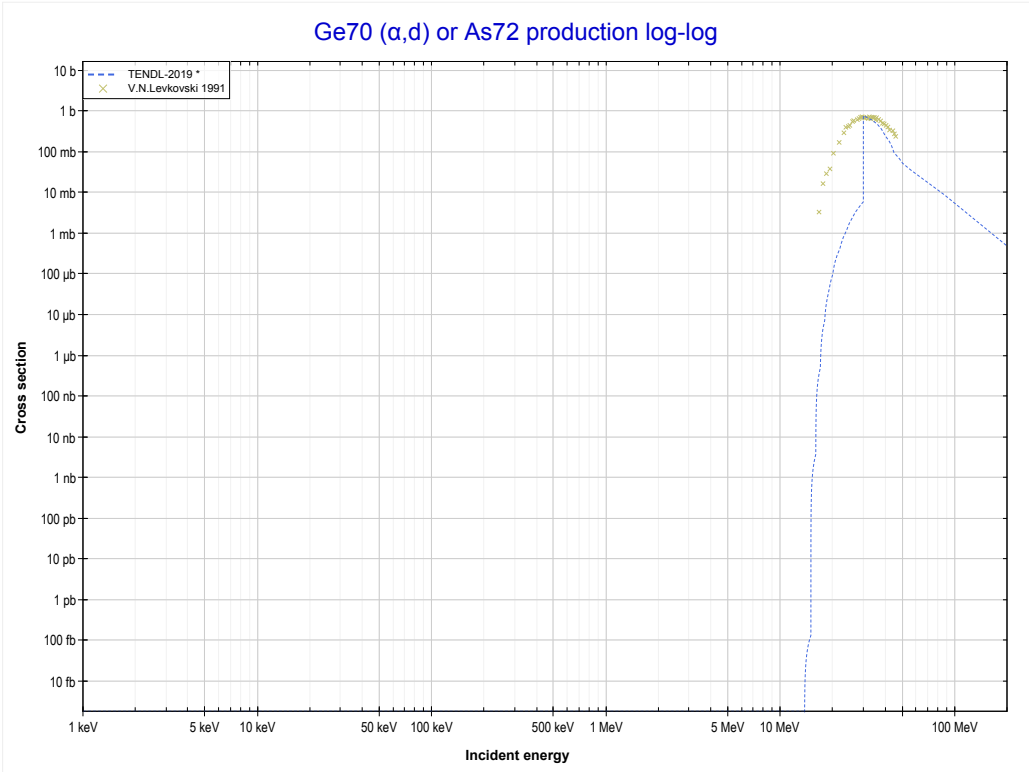
Reaction	Q-Value
Ge70(α,d)As72	-13042.71 keV
Ge70($\alpha,n+p$)As72	-15267.27 keV

<< 30-Zn-64	32-Ge-70	47-Ag-107 >>
<< MT28 ($\alpha,n+p$)	MT102 (α,γ) or MT5 (Se74 production)	MT104 (α,d) >>



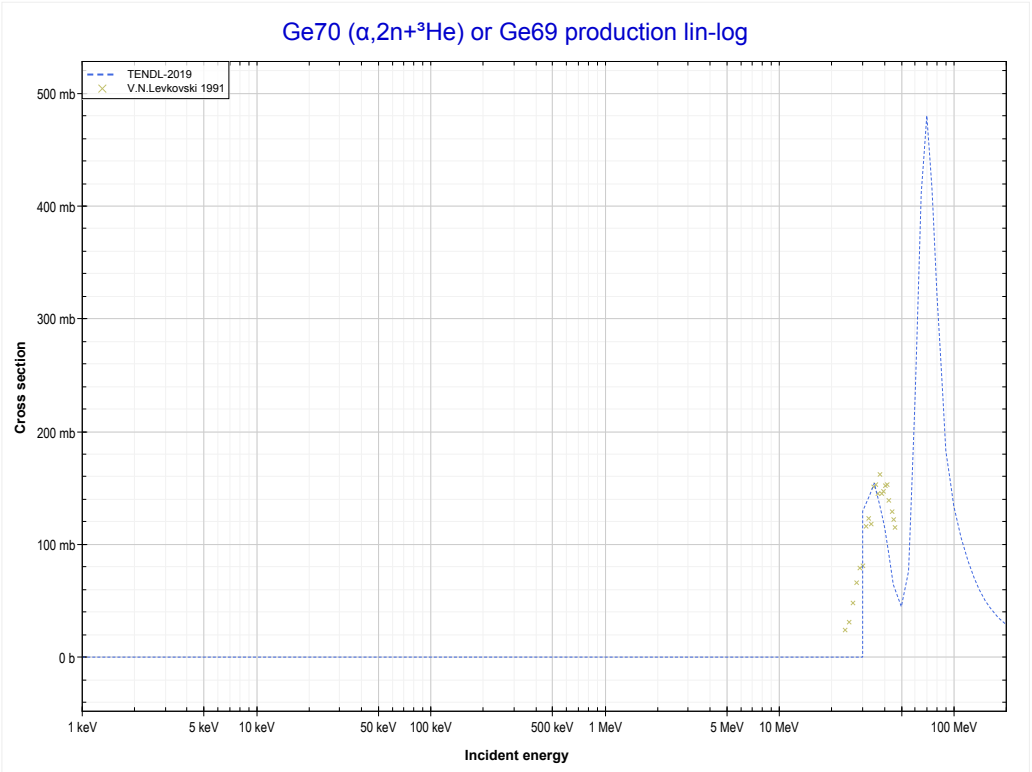
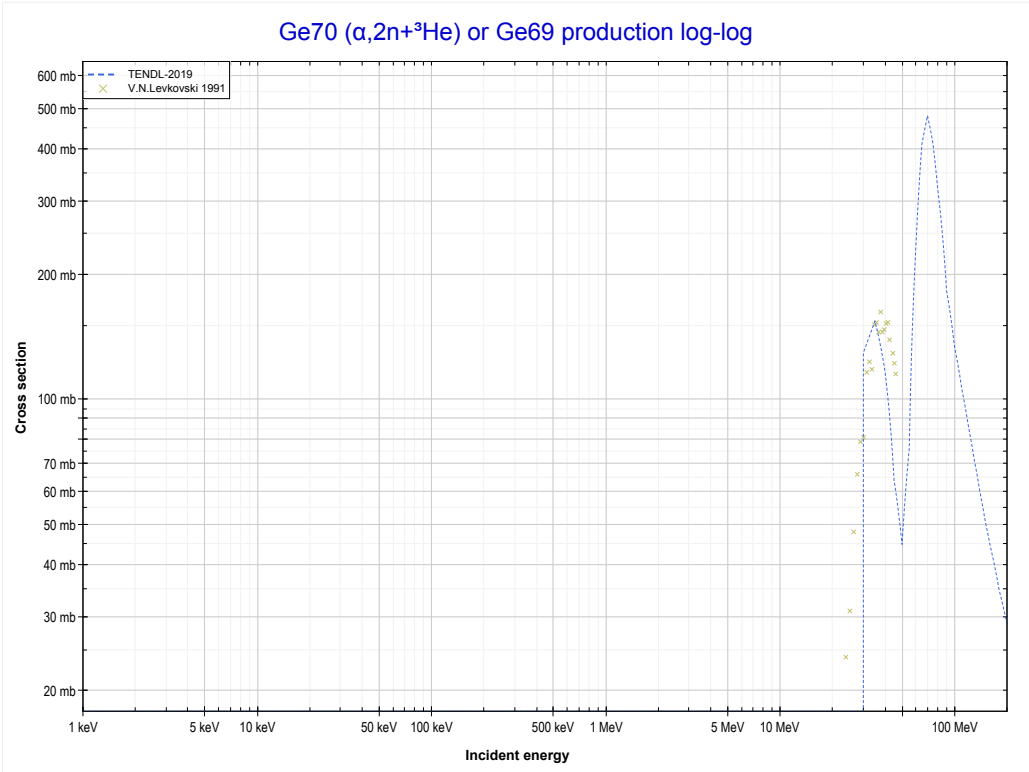
Reaction	Q-Value
Ge70(α,γ)Se74	4076.22 keV

<< 30-Zn-70	32-Ge-70	32-Ge-72 >>
<< MT102 (α,γ)	MT104 (α,d) or MT5 (As72 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



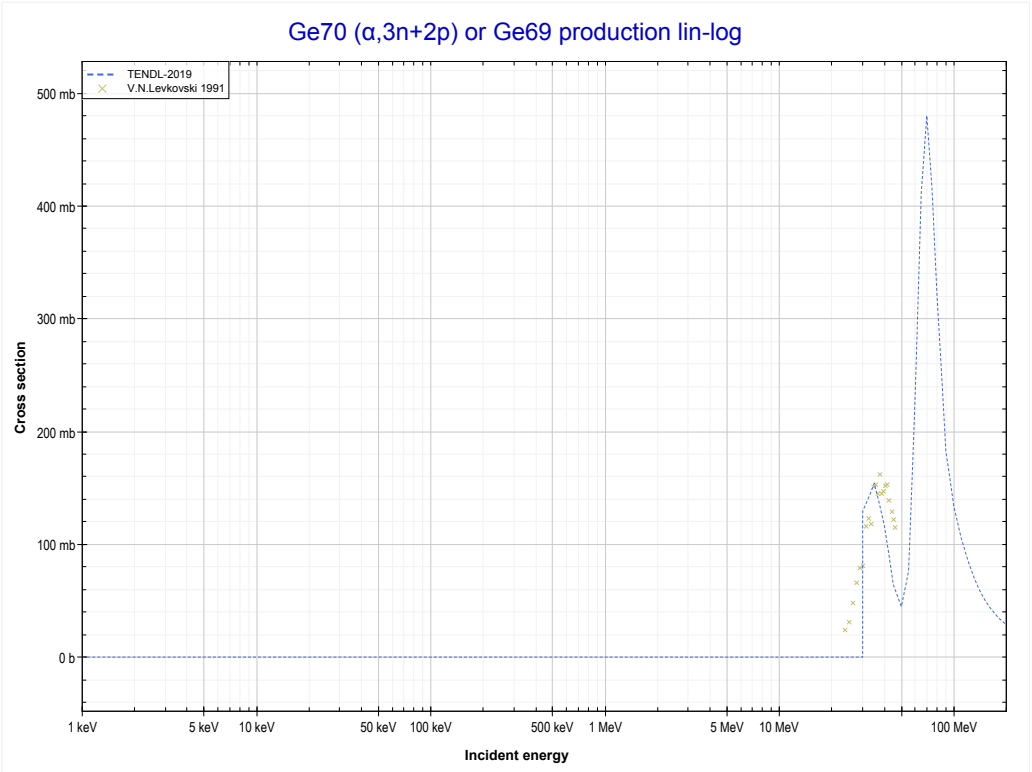
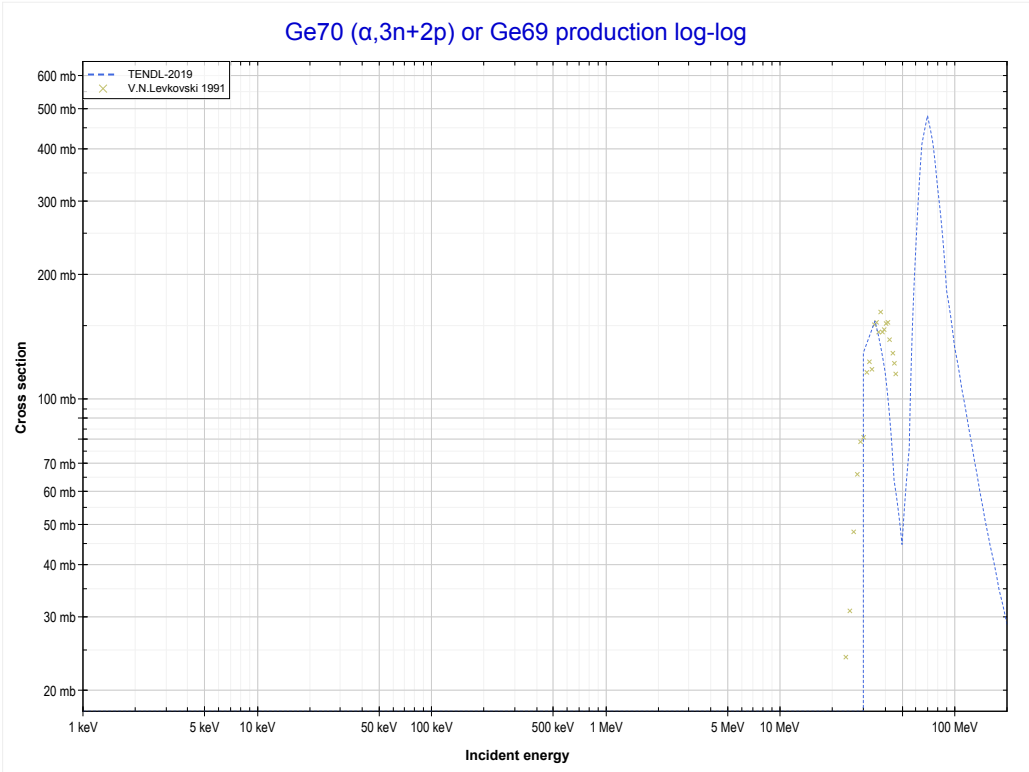
Reaction	Q-Value
Ge70(α,d)As72	-13042.71 keV
Ge70($\alpha,n+p$)As72	-15267.27 keV

<< 31-Ga-69	32-Ge-70	32-Ge-76 >>
<< MT104 (α,d)	MT176 (α,2n+ ³ He) or MT5 (Ge69 production)	MT179 (α,3n+2p) >>



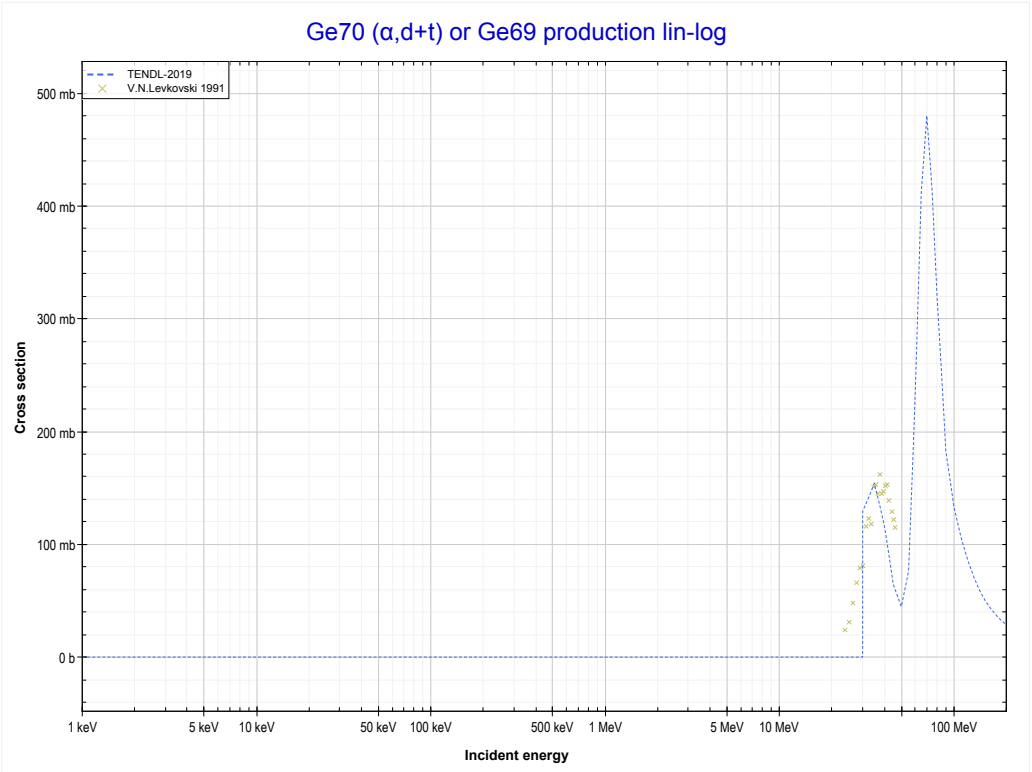
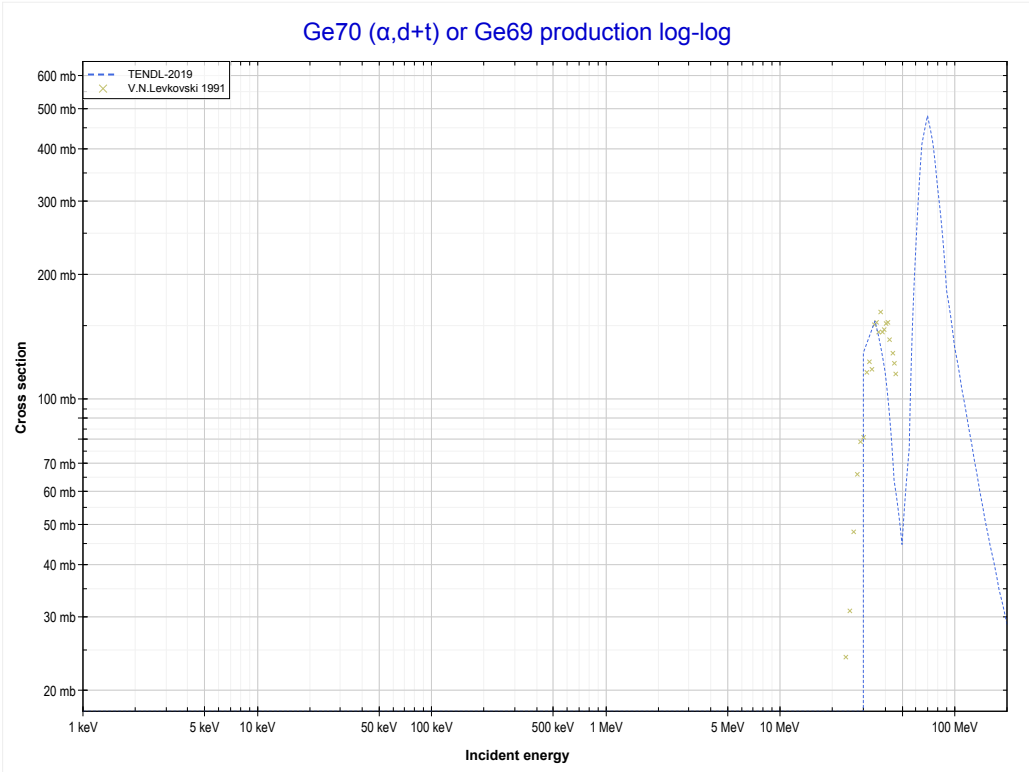
Reaction	Q-Value
Ge70(α,n+α)Ge69	-11532.52 keV
Ge70(α,d+t)Ge69	-29121.82 keV
Ge70(α,n+p+t)Ge69	-31346.38 keV
Ge70(α,2n+He3)Ge69	-32110.14 keV
Ge70(α,n+2d)Ge69	-35379.04 keV
Ge70(α,2n+p+d)Ge69	-37603.61 keV
Ge70(α,3n+2p)Ge69	-39828.18 keV

<< 31-Ga-69	32-Ge-70	32-Ge-76 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Ge69 production)	MT182 ($\alpha,d+t$) >>



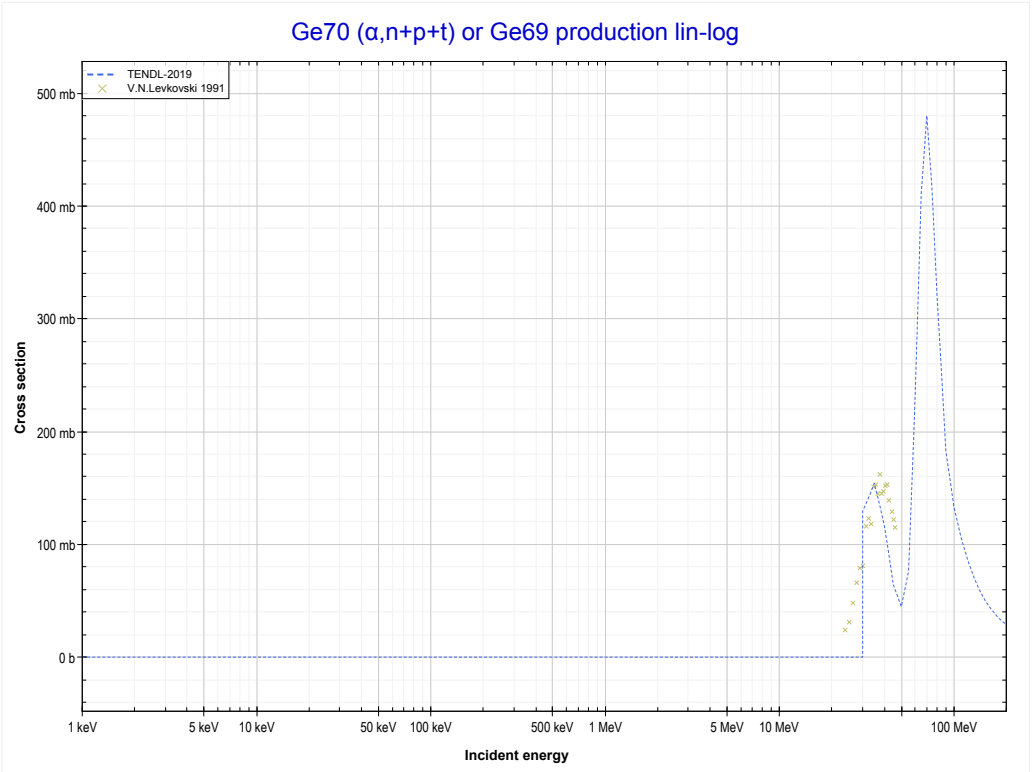
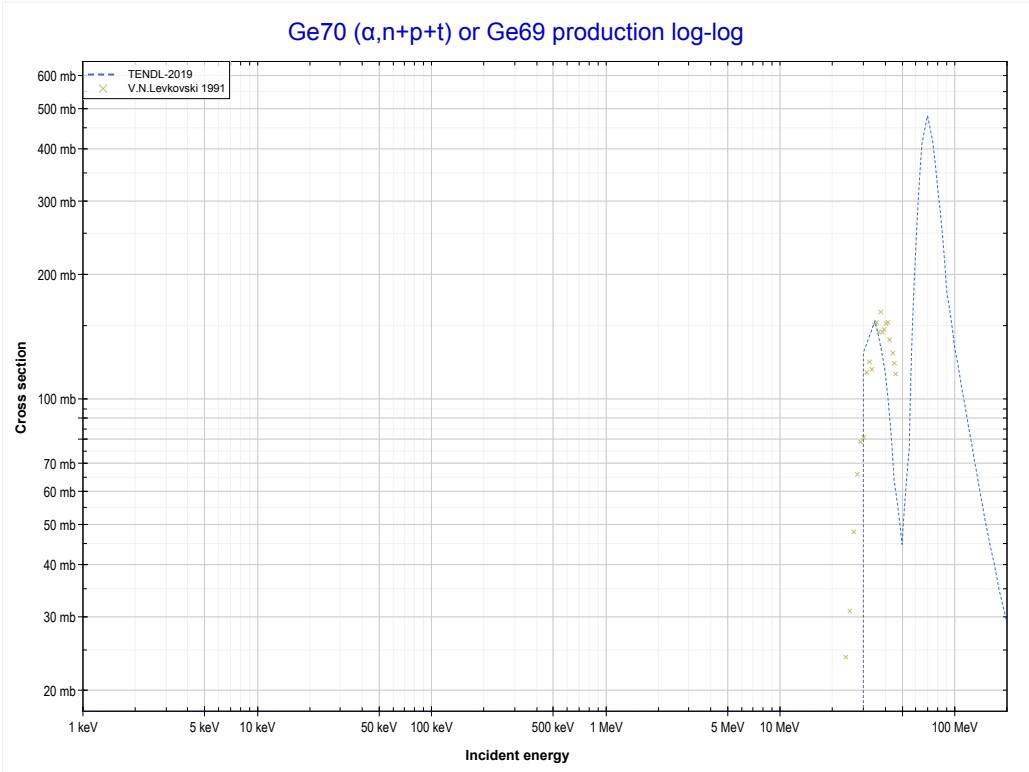
Reaction	Q-Value
Ge70($\alpha,n+\alpha$)Ge69	-11532.52 keV
Ge70($\alpha,d+t$)Ge69	-29121.82 keV
Ge70($\alpha,n+p+t$)Ge69	-31346.38 keV
Ge70($\alpha,2n+\text{He3}$)Ge69	-32110.14 keV
Ge70($\alpha,n+2d$)Ge69	-35379.04 keV
Ge70($\alpha,2n+p+d$)Ge69	-37603.61 keV
Ge70($\alpha,3n+2p$)Ge69	-39828.18 keV

<< 31-Ga-69	32-Ge-70	32-Ge-76 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Ge69 production)	MT184 ($\alpha,n+p+t$) >>



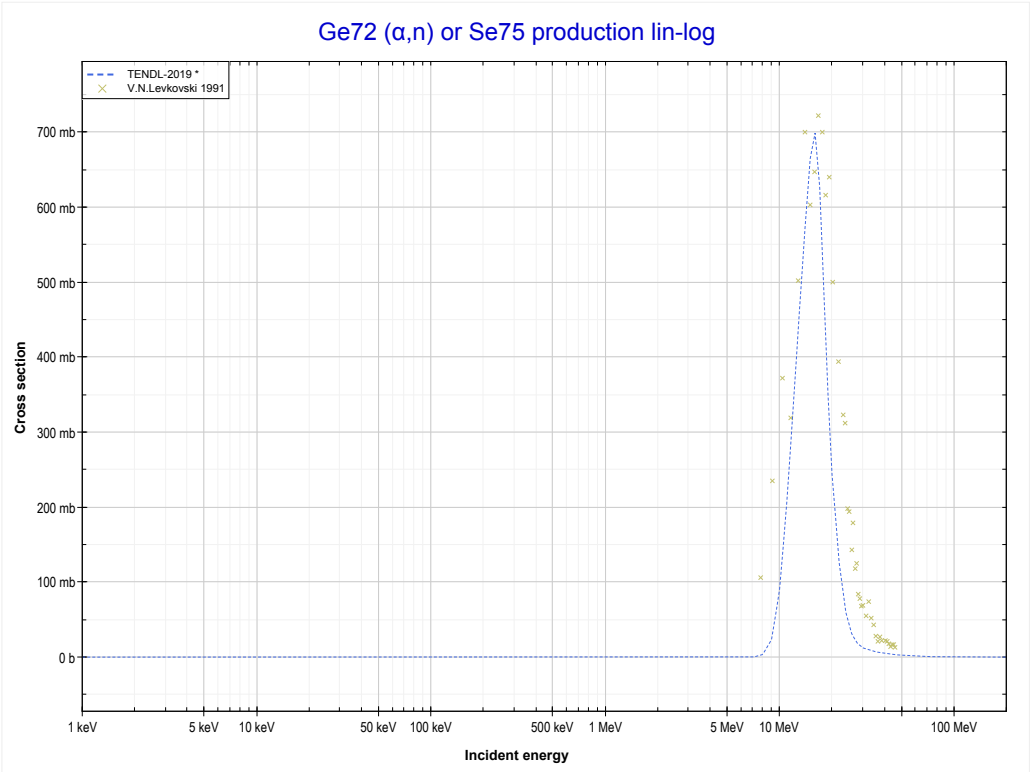
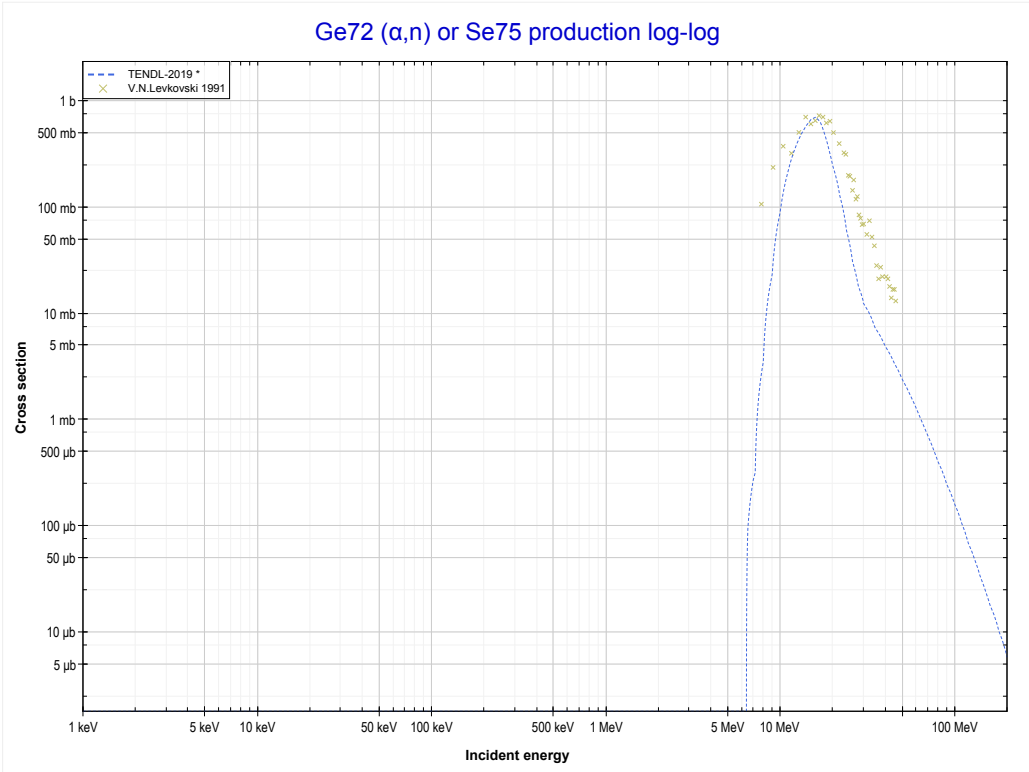
Reaction	Q-Value
Ge70($\alpha,n+\alpha$)Ge69	-11532.52 keV
Ge70($\alpha,d+t$)Ge69	-29121.82 keV
Ge70($\alpha,n+p+t$)Ge69	-31346.38 keV
Ge70($\alpha,2n+He3$)Ge69	-32110.14 keV
Ge70($\alpha,n+2d$)Ge69	-35379.04 keV
Ge70($\alpha,2n+p+d$)Ge69	-37603.61 keV
Ge70($\alpha,3n+2p$)Ge69	-39828.18 keV

<< 31-Ga-69	32-Ge-70	32-Ge-76 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Ge69 production)	32-Ge-72 MT4 (α,n) >>



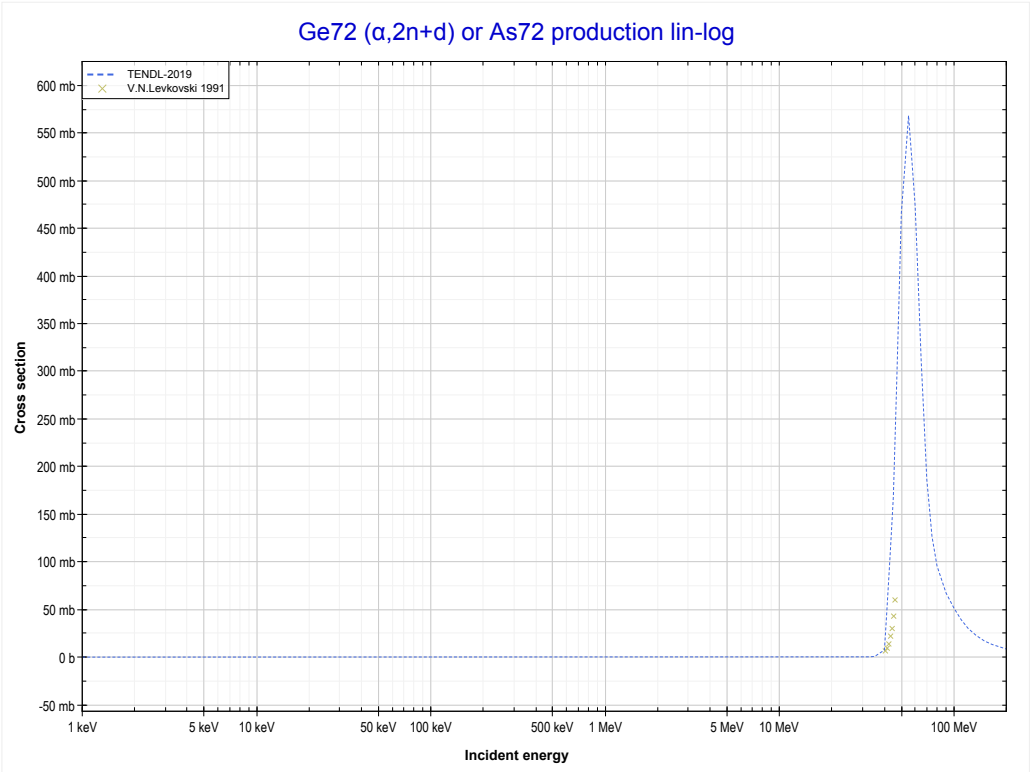
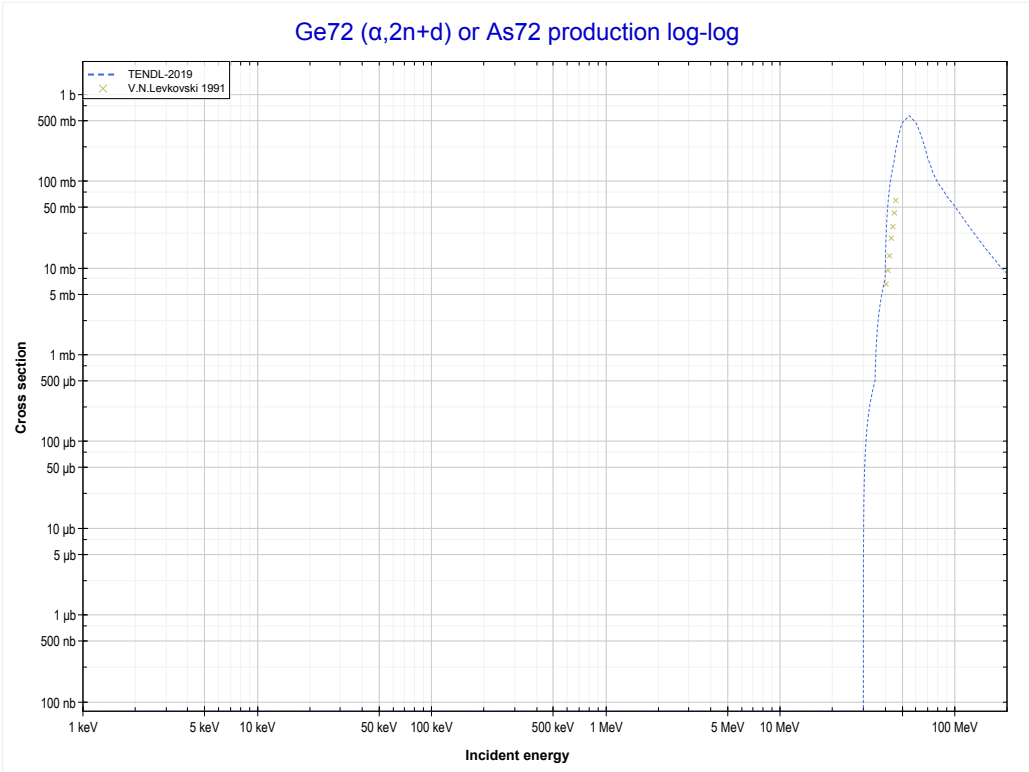
Reaction	Q-Value
Ge70(α,n+α)Ge69	-11532.52 keV
Ge70(α,d+t)Ge69	-29121.82 keV
Ge70(α,n+p+t)Ge69	-31346.38 keV
Ge70(α,2n+He3)Ge69	-32110.14 keV
Ge70(α,n+2d)Ge69	-35379.04 keV
Ge70(α,2n+p+d)Ge69	-37603.61 keV
Ge70(α,3n+2p)Ge69	-39828.18 keV

<< 32-Ge-70	32-Ge-72	33-As-75 >>
<< 32-Ge-70 MT184 (α,n+p+t)	MT4 (α,n) or MT5 (Se75 production)	MT11 (α,2n+d) >>



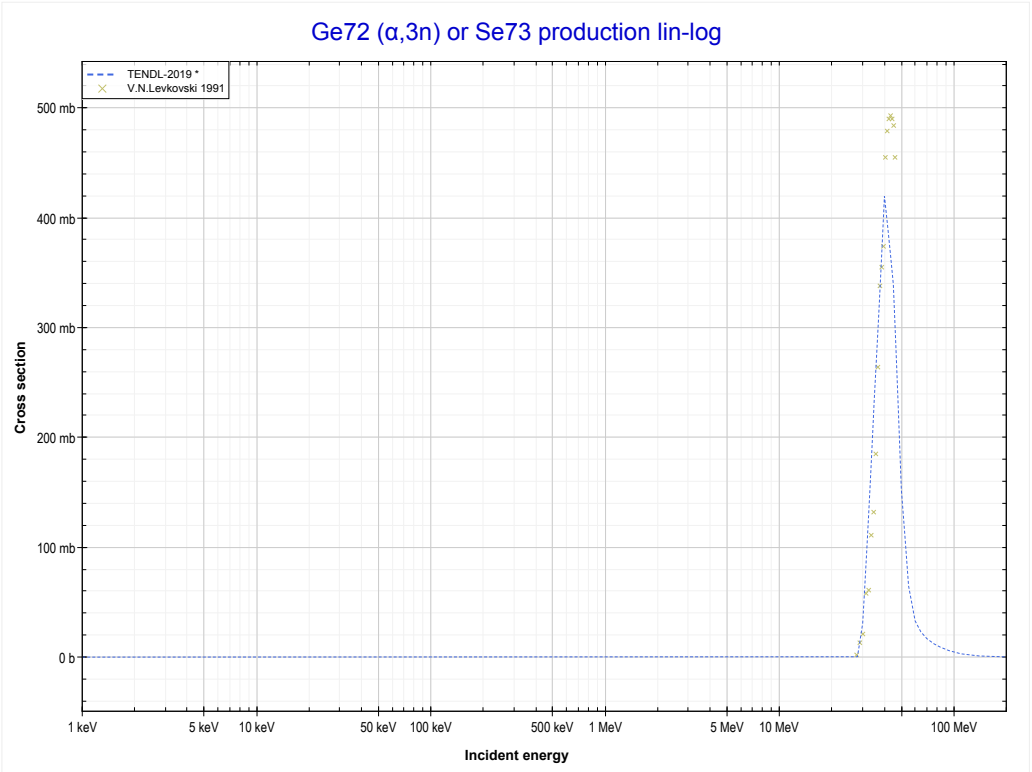
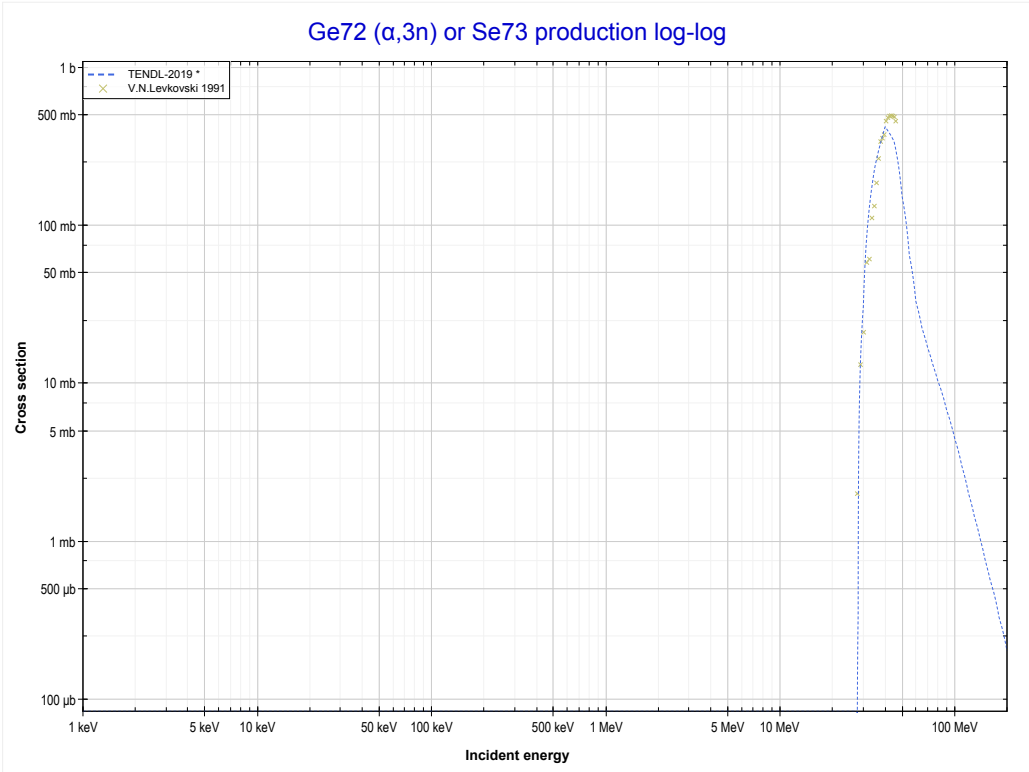
Reaction	Q-Value
Ge72(α,n)Se75	-6062.82 keV

<< 31-Ga-69	32-Ge-72	32-Ge-74 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (As72 production)	MT17 (α,3n) >>



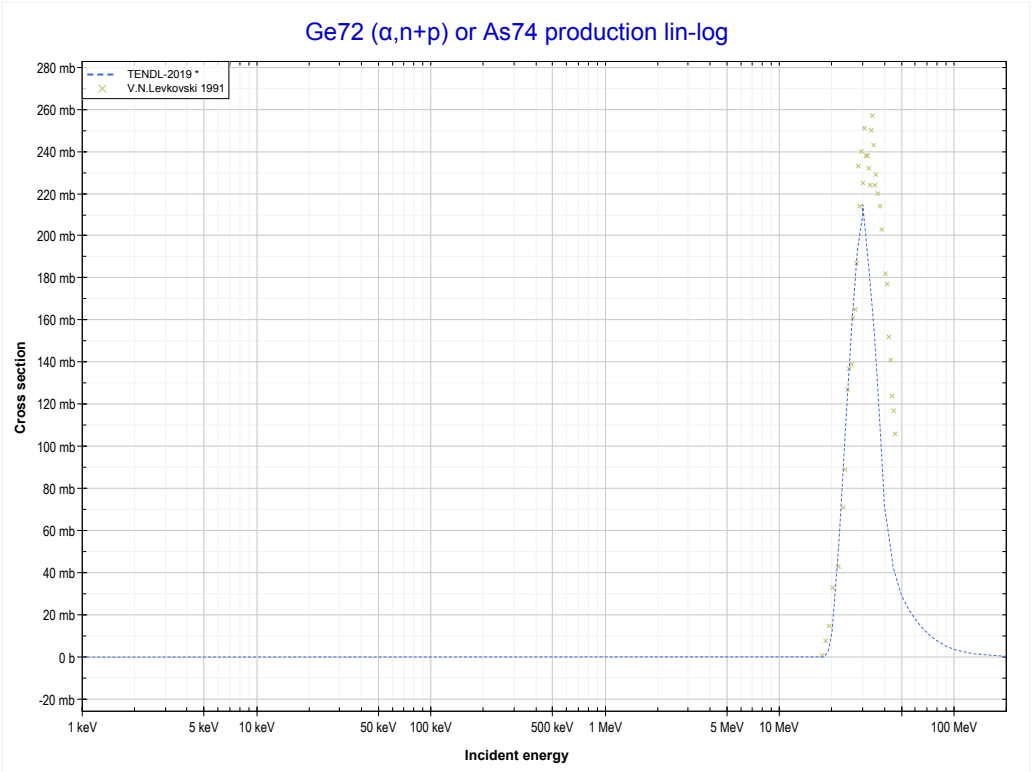
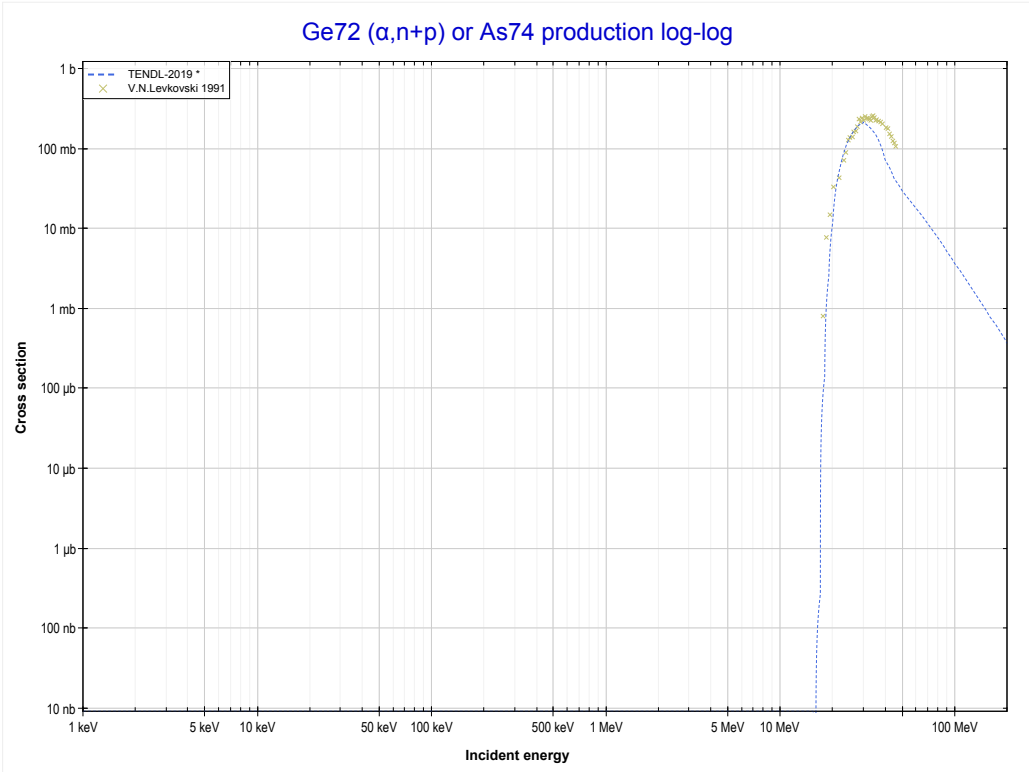
Reaction	Q-Value
Ge72(α,n+t)As72	-24952.11 keV
Ge72(α,2n+d)As72	-31209.34 keV
Ge72(α,3n+p)As72	-33433.91 keV

<< 31-Ga-71	32-Ge-72	32-Ge-74 >>
<< MT11 ($\alpha,2n+d$)	MT17 ($\alpha,3n$) or MT5 (Se73 production)	MT28 ($\alpha,n+p$) >>



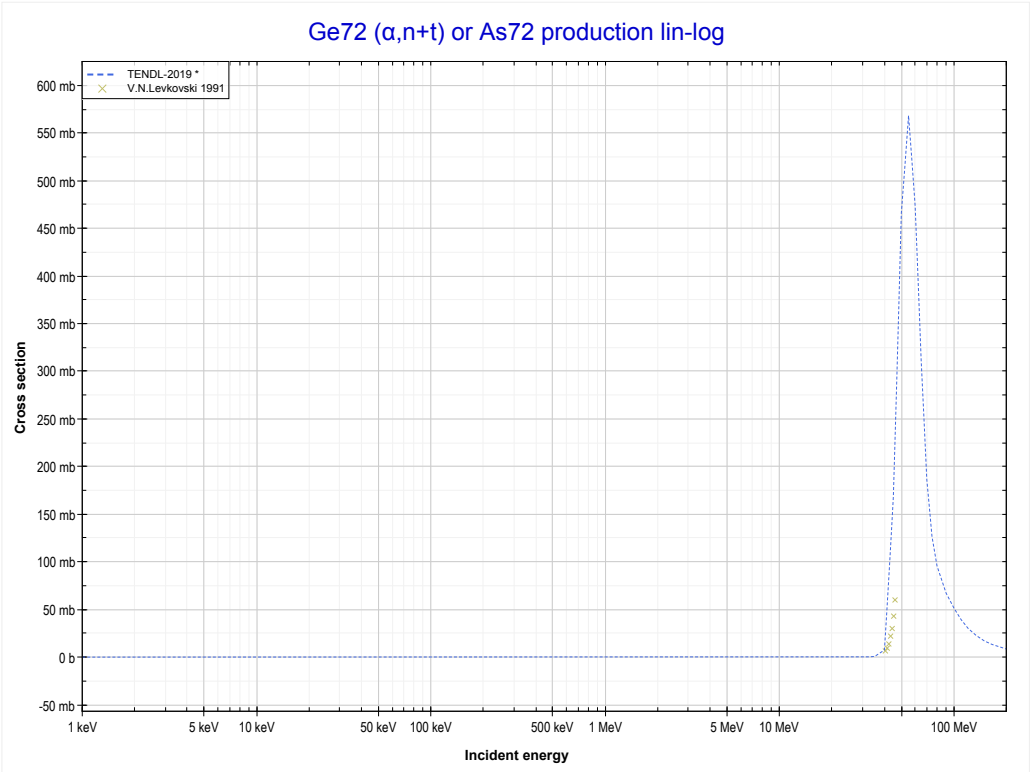
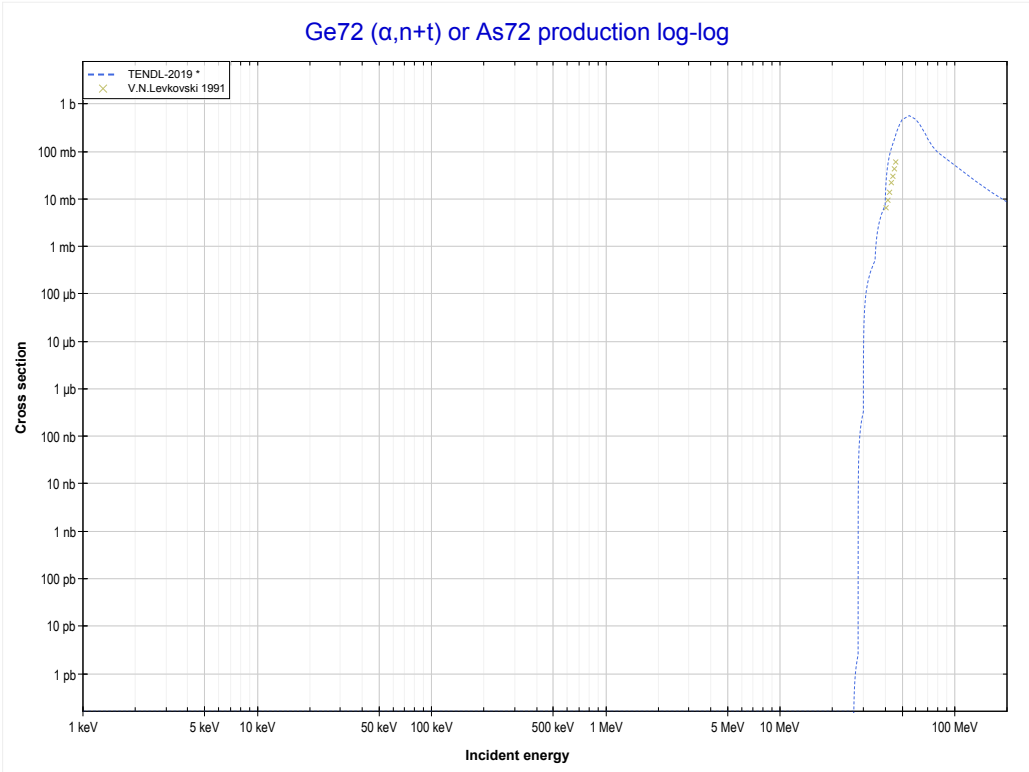
Reaction	Q-Value
Ge72($\alpha,3n$)Se73	-26147.94 keV

<< 32-Ge-70	32-Ge-72	32-Ge-74 >>
<< MT17 ($\alpha,3n$)	MT28 ($\alpha,n+p$) or MT5 (As74 production)	MT33 ($\alpha,n+t$) >>



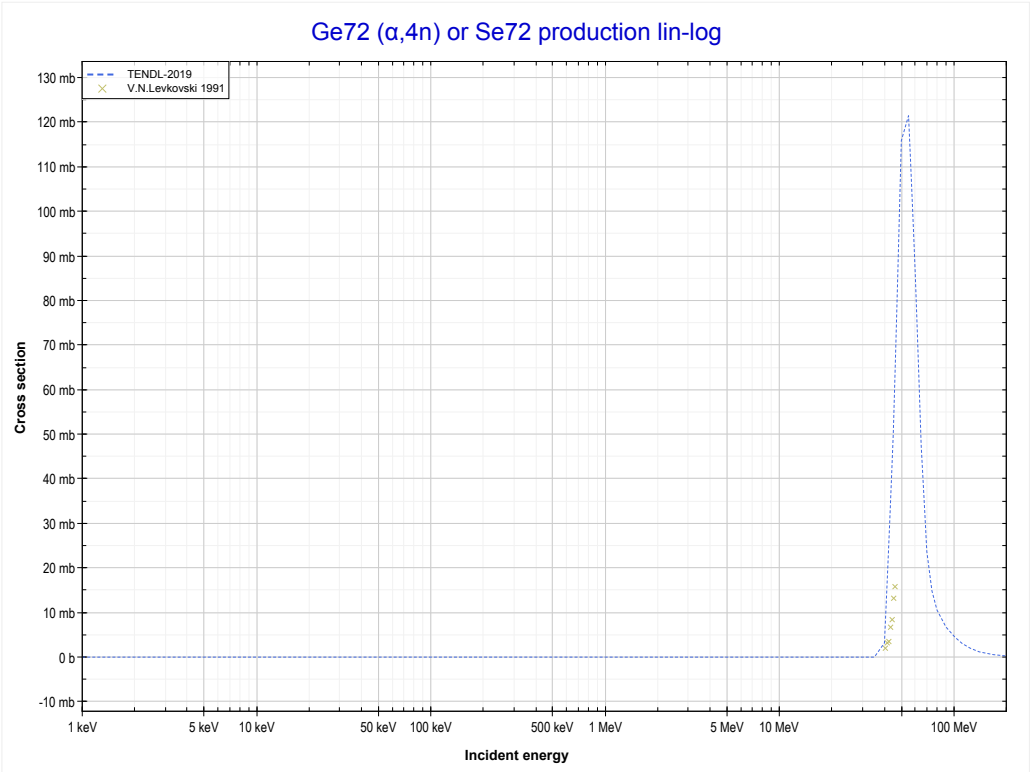
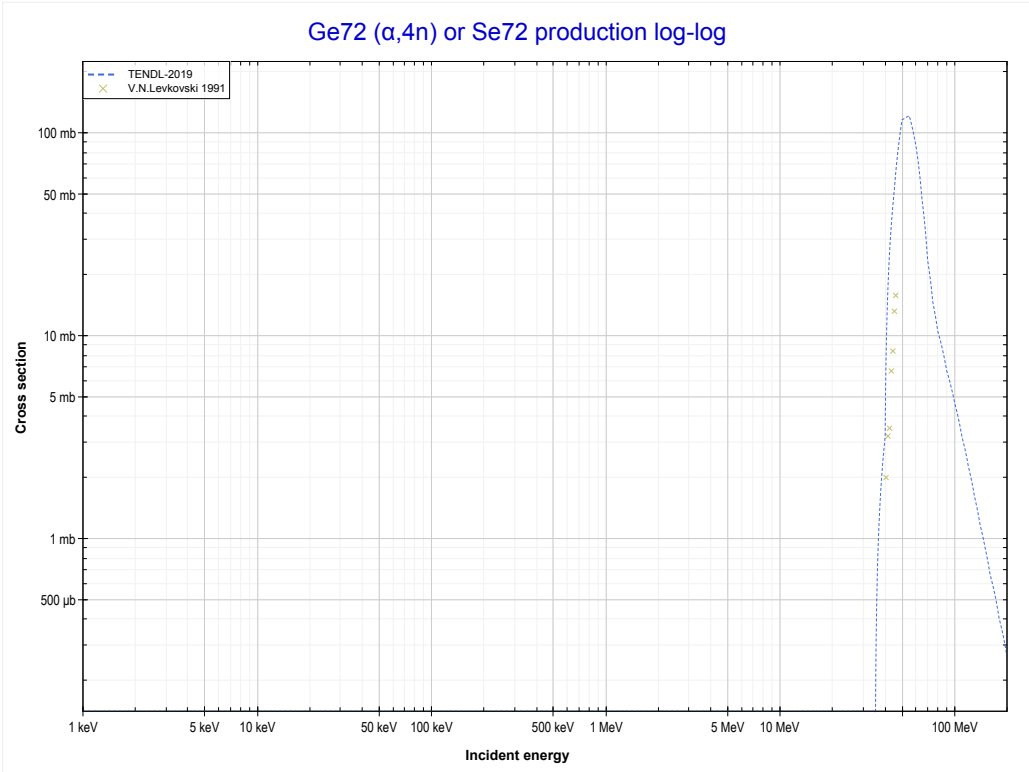
Reaction	Q-Value
Ge72(α,d)As74	-12436.61 keV
Ge72($\alpha,n+p$)As74	-14661.17 keV

<< 31-Ga-69	32-Ge-72	32-Ge-74 >>
<< MT28 (α,n+p)	MT33 (α,n+t) or MT5 (As72 production)	MT37 (α,4n) >>



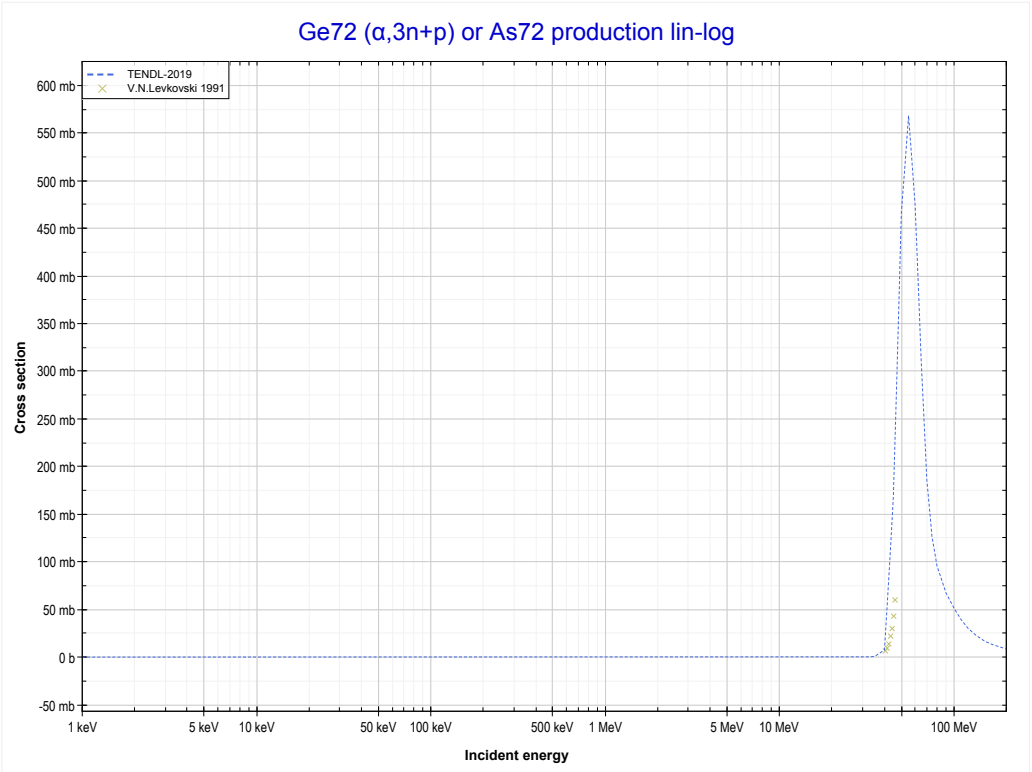
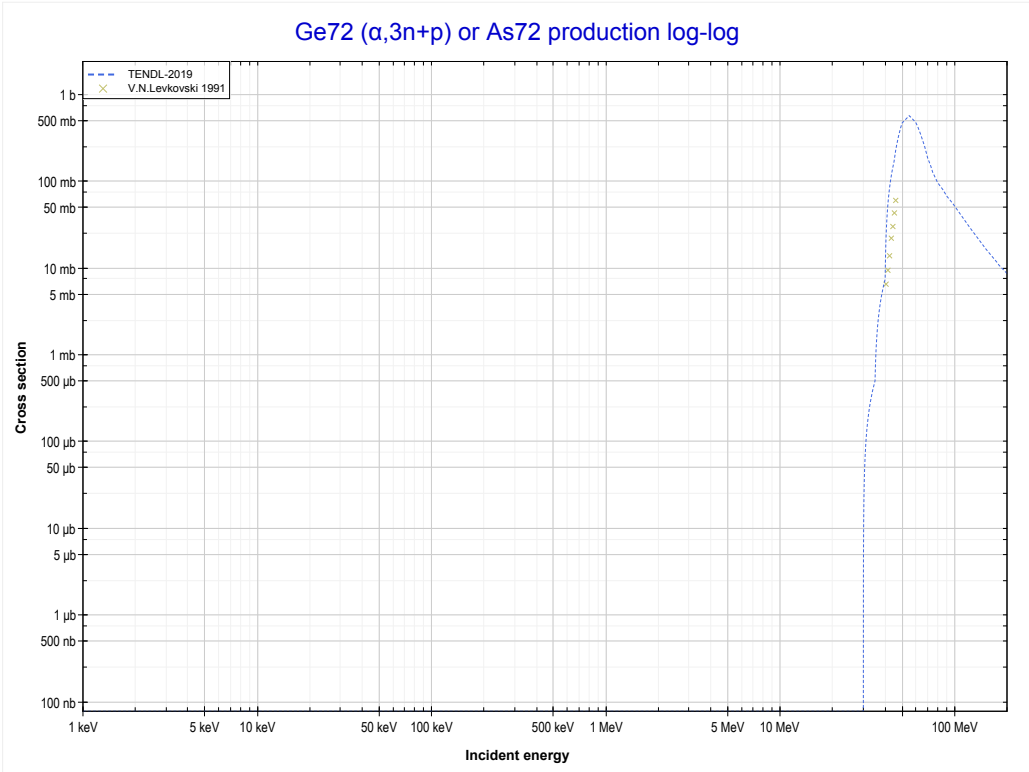
Reaction	Q-Value
Ge72(α,n+t)As72	-24952.11 keV
Ge72(α,2n+d)As72	-31209.34 keV
Ge72(α,3n+p)As72	-33433.91 keV

<< 31-Ga-71	32-Ge-72	32-Ge-73 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Se72 production)	MT42 ($\alpha,3n+p$) >>



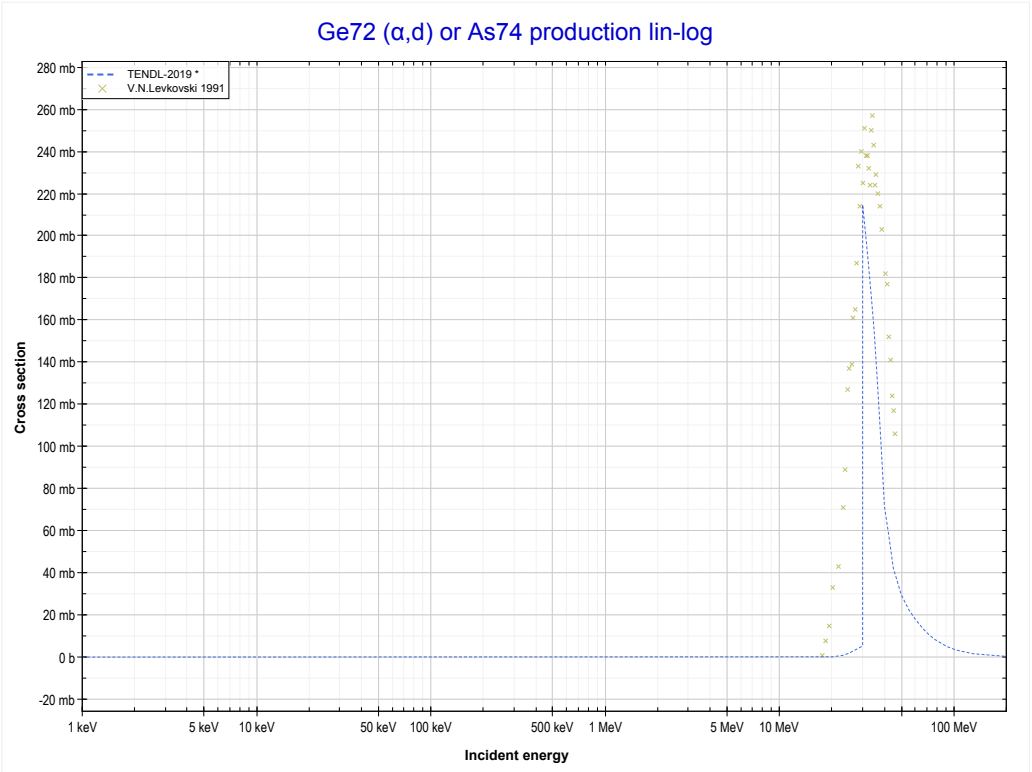
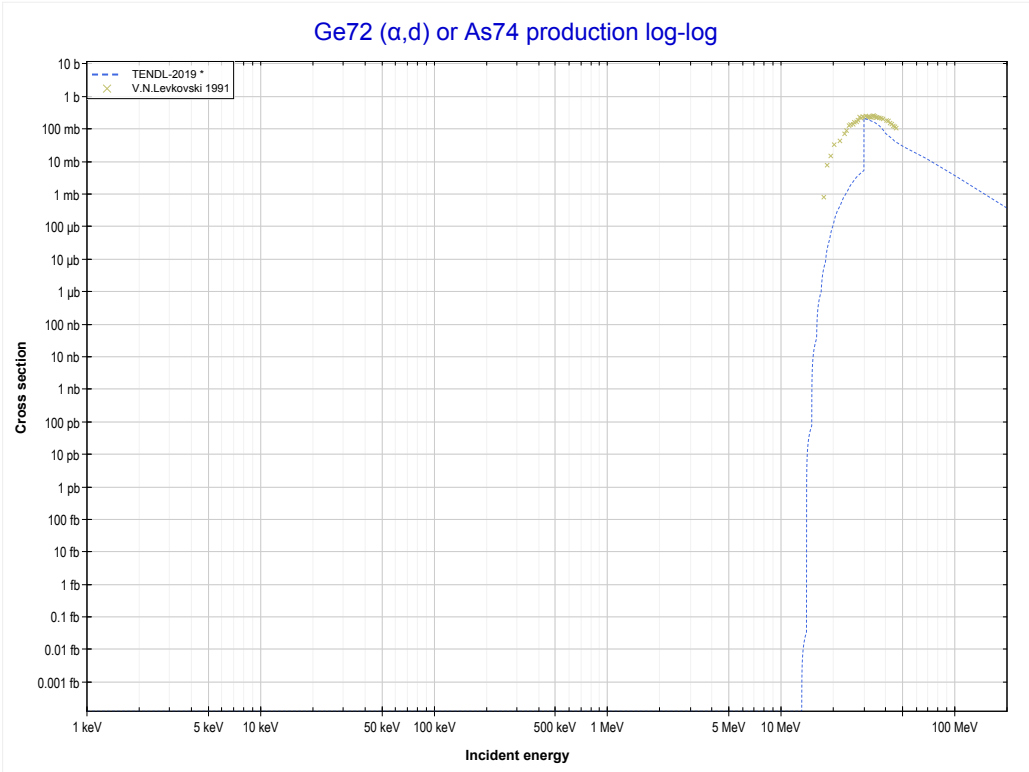
Reaction	Q-Value
Ge72($\alpha,4n$)Se72	-34578.05 keV

<< 31-Ga-69	32-Ge-72	32-Ge-74 >>
<< MT37 (α,4n)	MT42 (α,3n+p) or MT5 (As72 production)	MT104 (α,d) >>



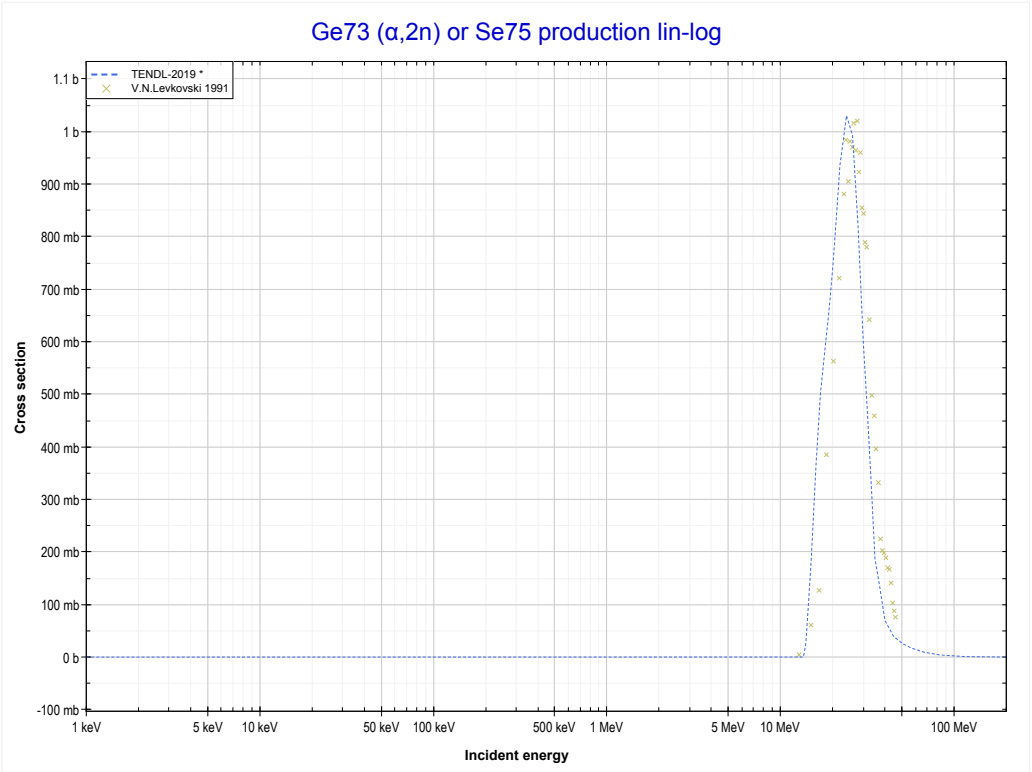
Reaction	Q-Value
Ge72(α,n+t)As72	-24952.11 keV
Ge72(α,2n+d)As72	-31209.34 keV
Ge72(α,3n+p)As72	-33433.91 keV

<< 32-Ge-70	32-Ge-72	32-Ge-74 >>
<< MT42 (α,3n+p)	MT104 (α,d) or MT5 (As74 production)	32-Ge-73 MT16 (α,2n) >>



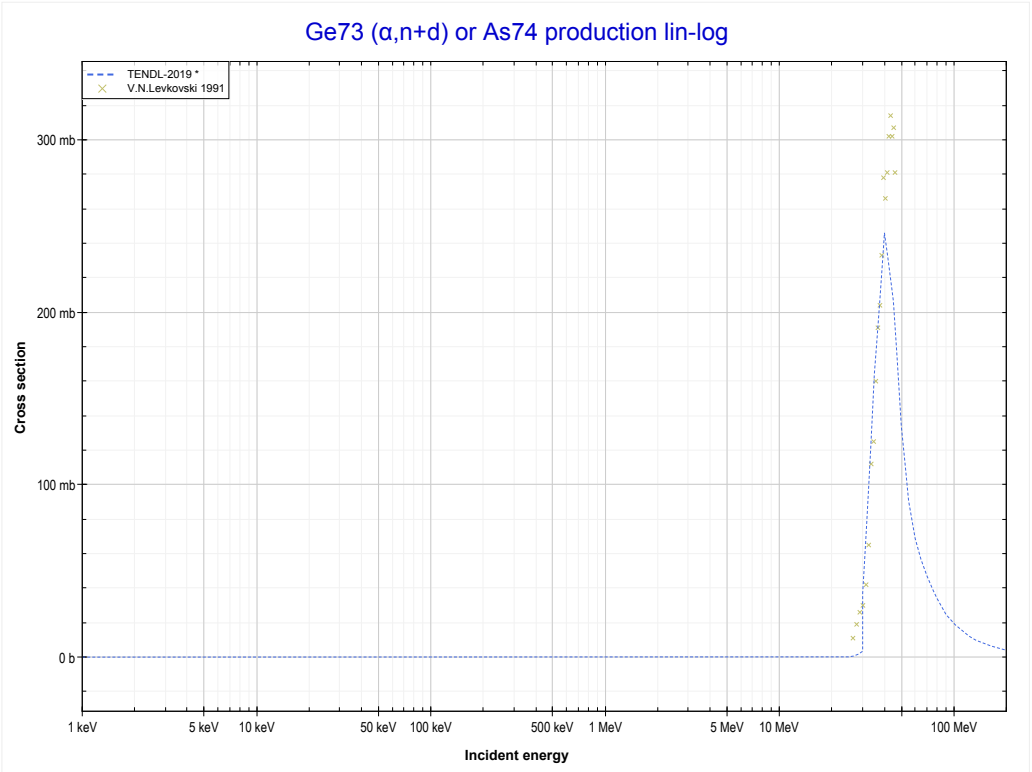
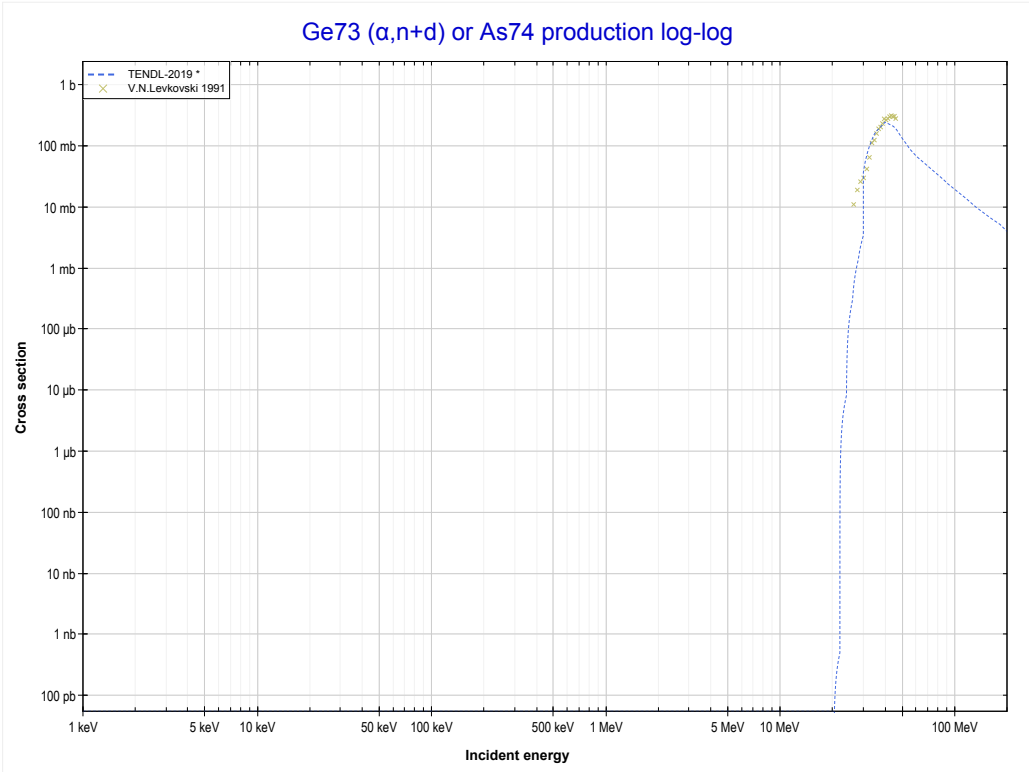
Reaction	Q-Value
Ge72(α,d)As74	-12436.61 keV
Ge72(α,n+p)As74	-14661.17 keV

<< 32-Ge-70	32-Ge-73	33-As-75 >>
<< 32-Ge-72 MT104 (α,d)	MT16 (α,2n) or MT5 (Se75 production)	MT32 (α,n+d) >>



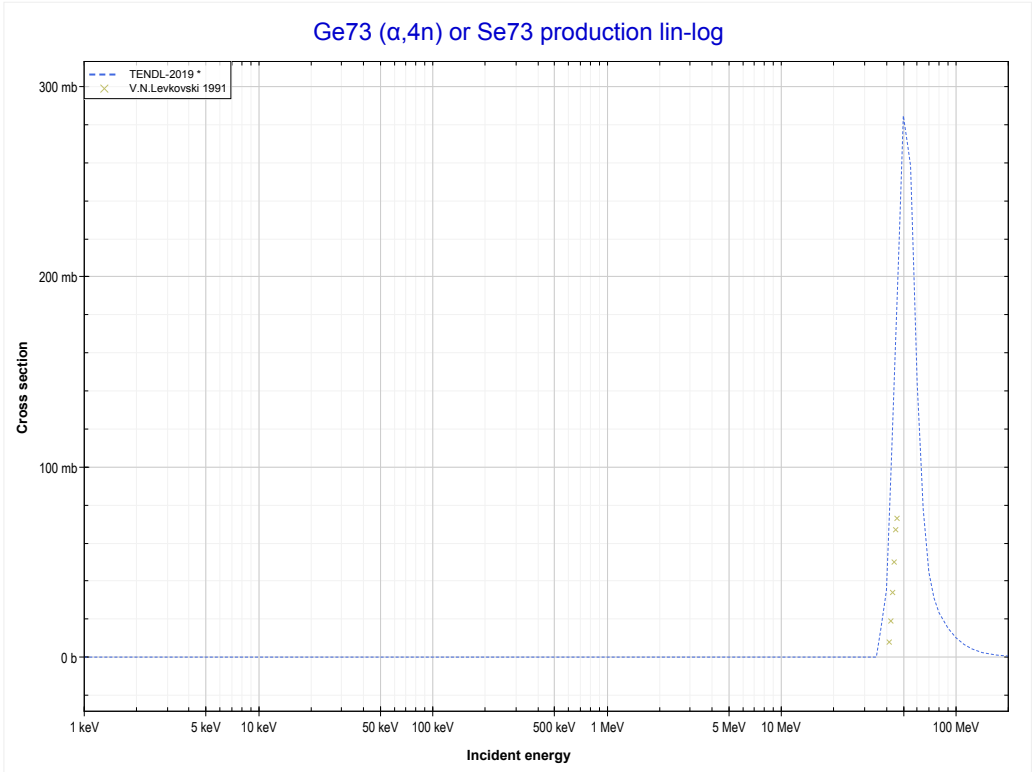
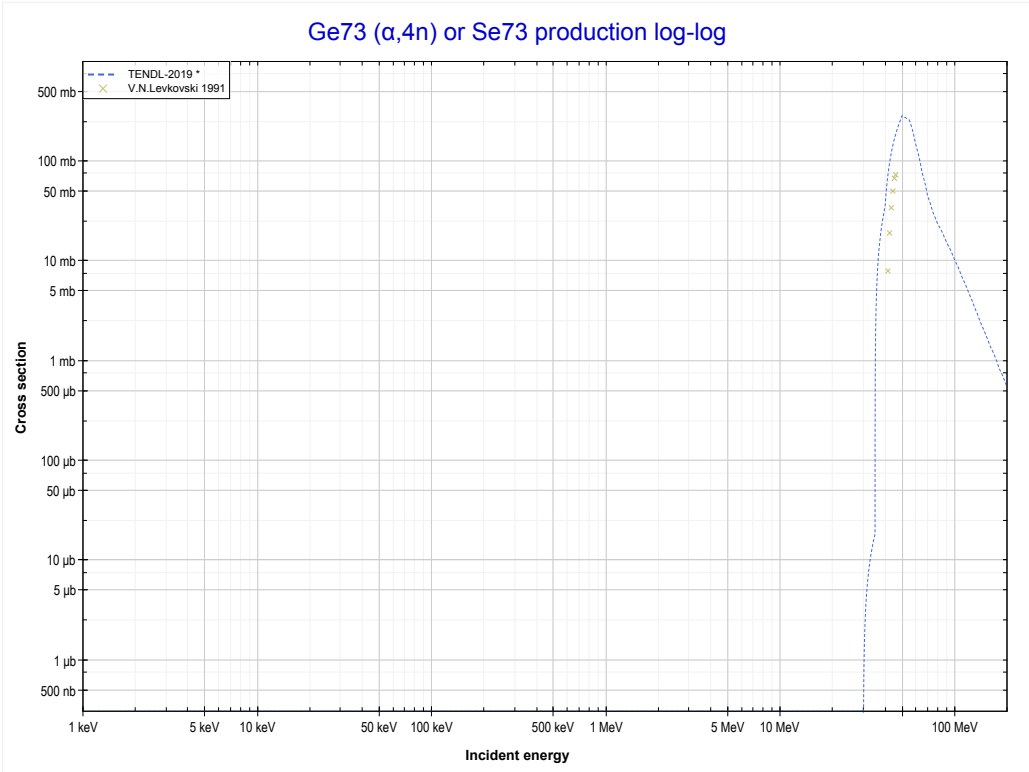
Reaction	Q-Value
Ge73(α,2n)Se75	-12845.76 keV

<< 30-Zn-67	32-Ge-73	32-Ge-76 >>
<< MT16 ($\alpha,2n$)	MT32 ($\alpha,n+d$) or MT5 (As74 production)	MT37 ($\alpha,4n$) >>



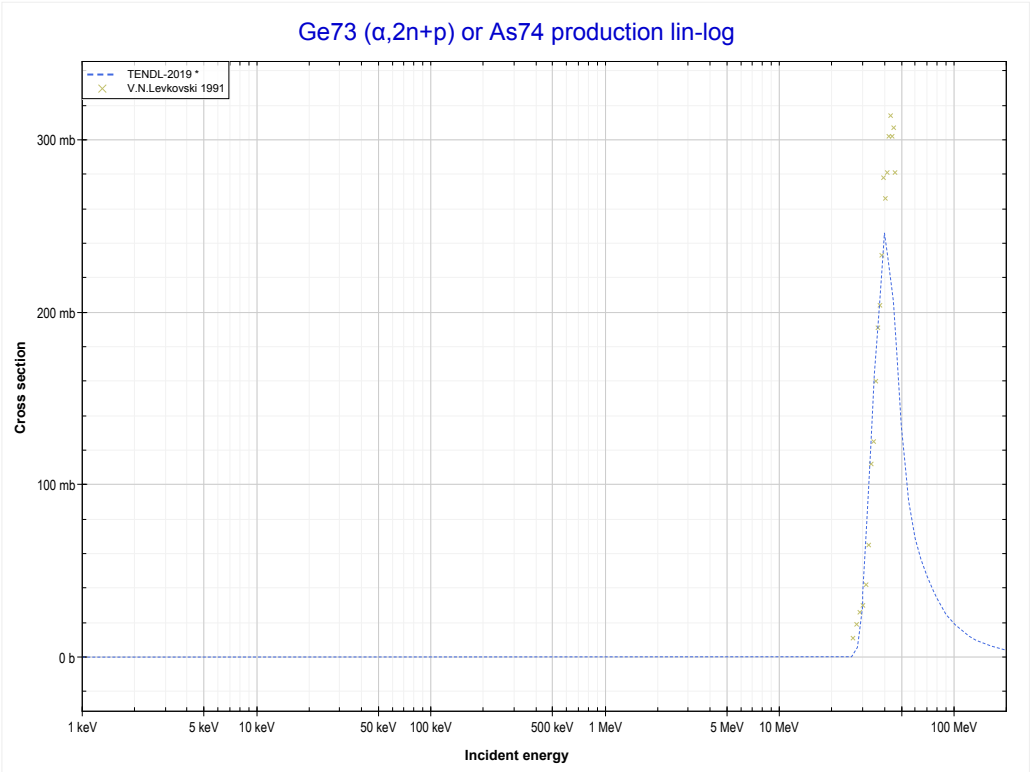
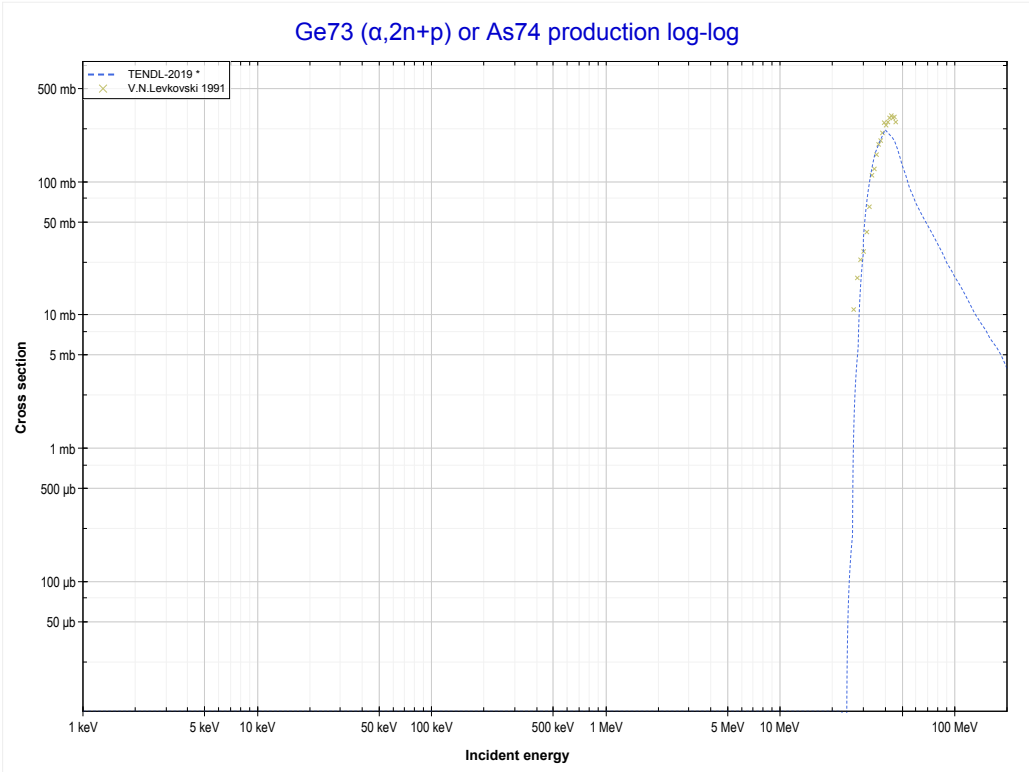
Reaction	Q-Value
Ge73(α,t)As74	-12962.31 keV
Ge73($\alpha,n+d$)As74	-19219.54 keV
Ge73($\alpha,2n+p$)As74	-21444.11 keV

<< 32-Ge-72	32-Ge-73	33-As-75 >>
<< MT32 ($\alpha,n+d$)	MT37 ($\alpha,4n$) or MT5 (Se73 production)	MT41 ($\alpha,2n+p$) >>



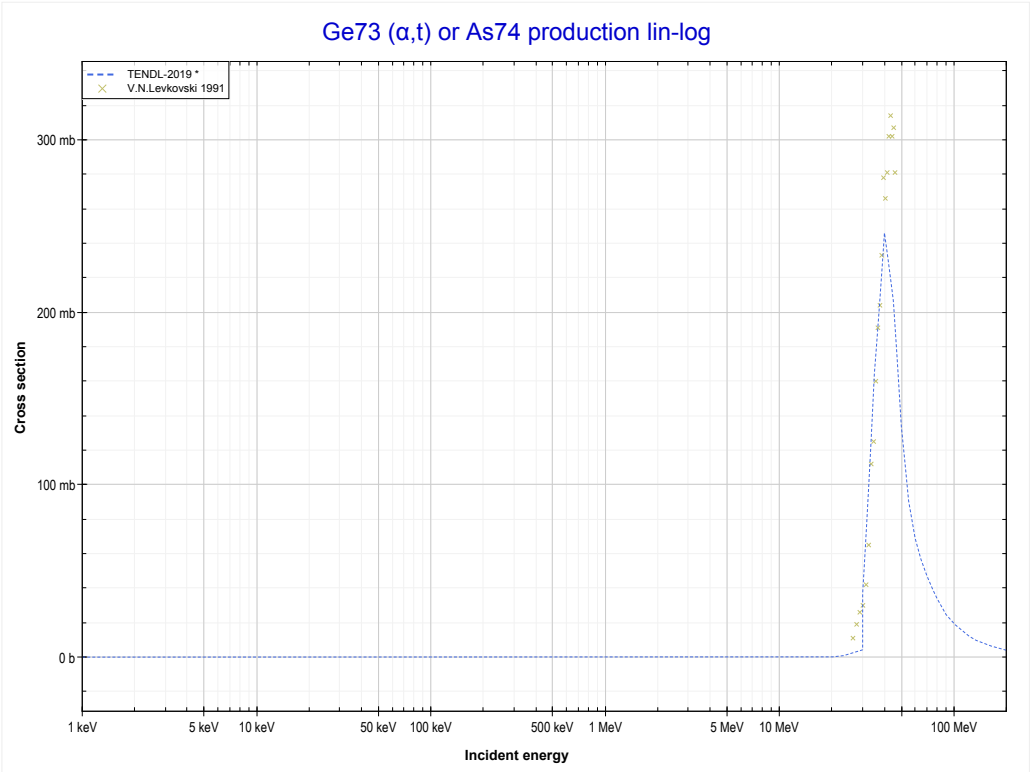
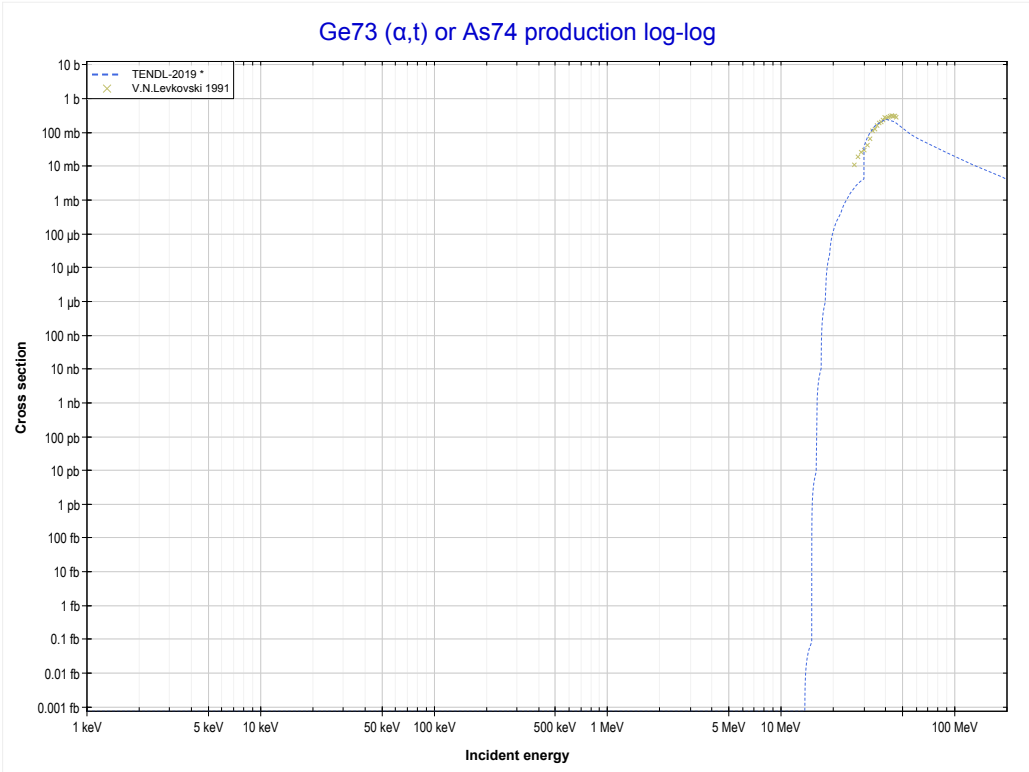
Reaction	Q-Value
Ge73($\alpha,4n$)Se73	-32930.87 keV

<< 30-Zn-67	32-Ge-73	32-Ge-76 >>
<< MT37 (α,4n)	MT41 (α,2n+p) or MT5 (As74 production)	MT105 (α,t) >>



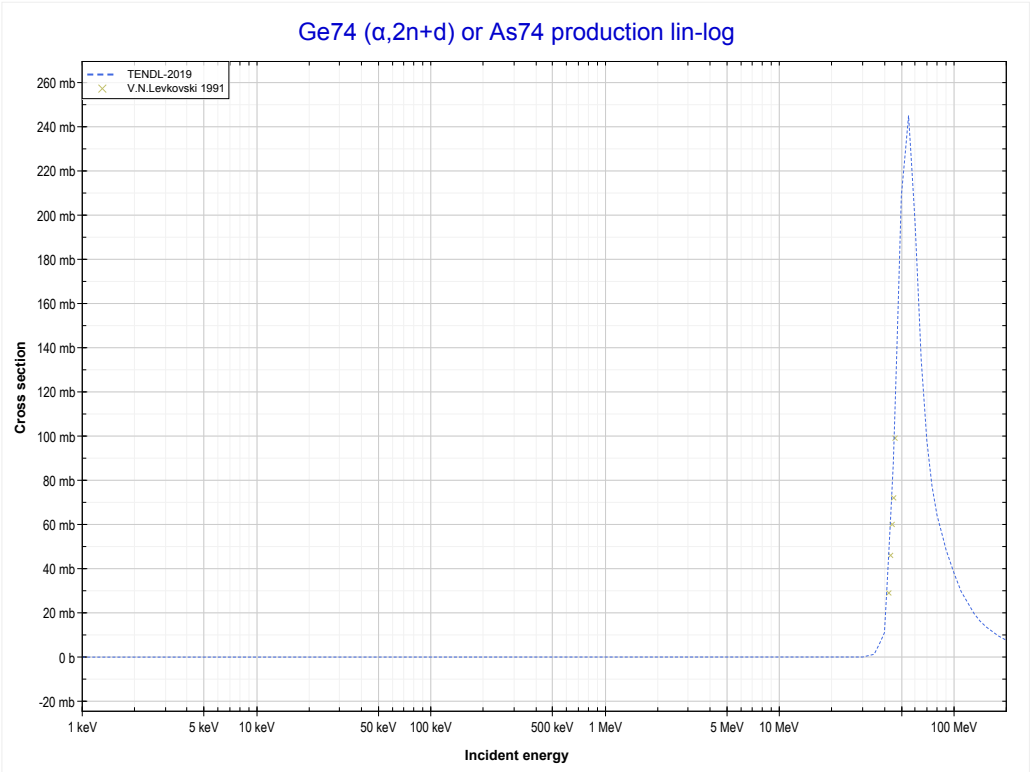
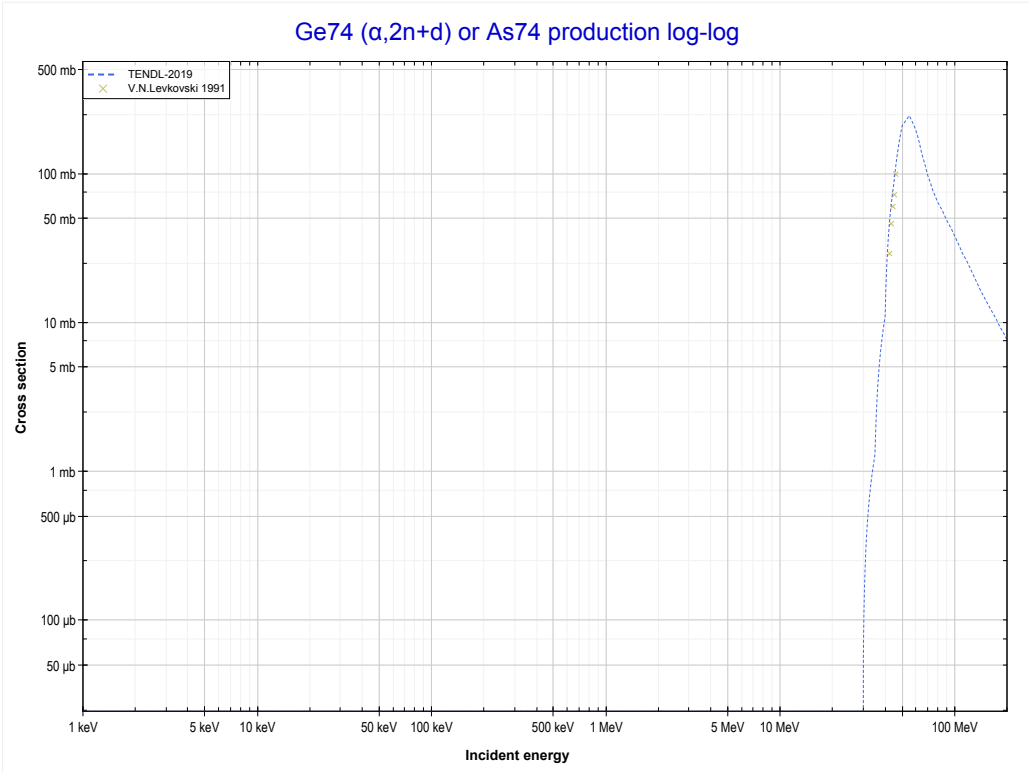
Reaction	Q-Value
Ge73(α,t)As74	-12962.31 keV
Ge73(α,n+d)As74	-19219.54 keV
Ge73(α,2n+p)As74	-21444.11 keV

<< 30-Zn-67	32-Ge-73	32-Ge-76 >>
<< MT41 ($\alpha,2n+p$)	MT105 (α,t) or MT5 (As74 production)	32-Ge-74 MT11 ($\alpha,2n+d$) >>



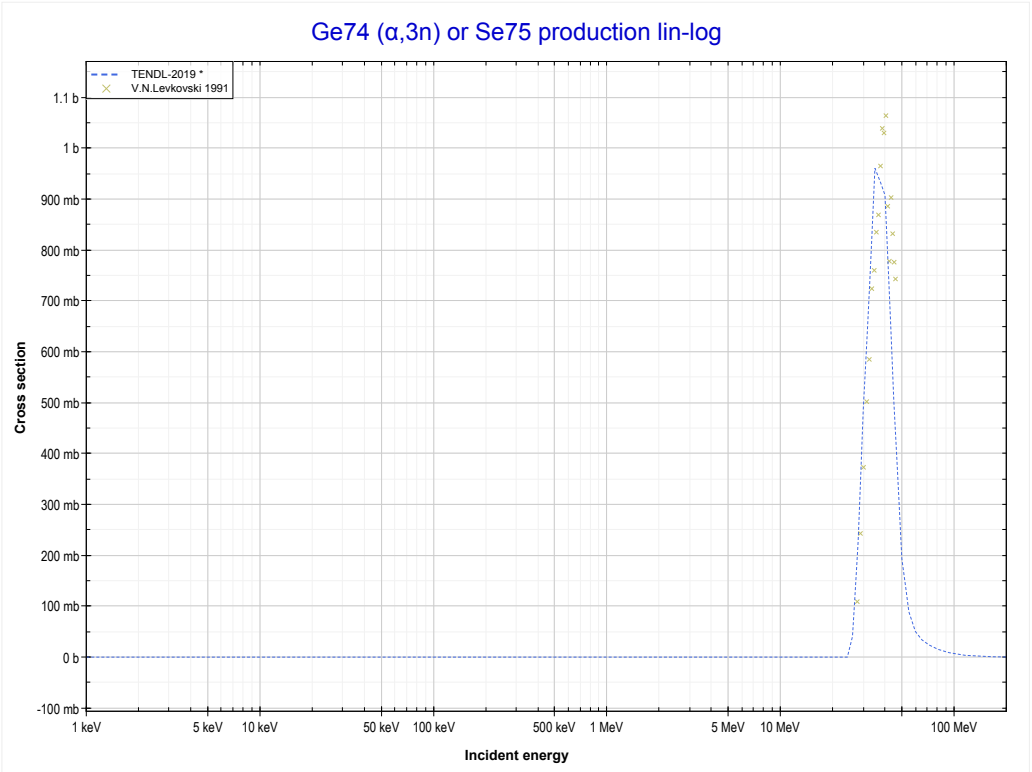
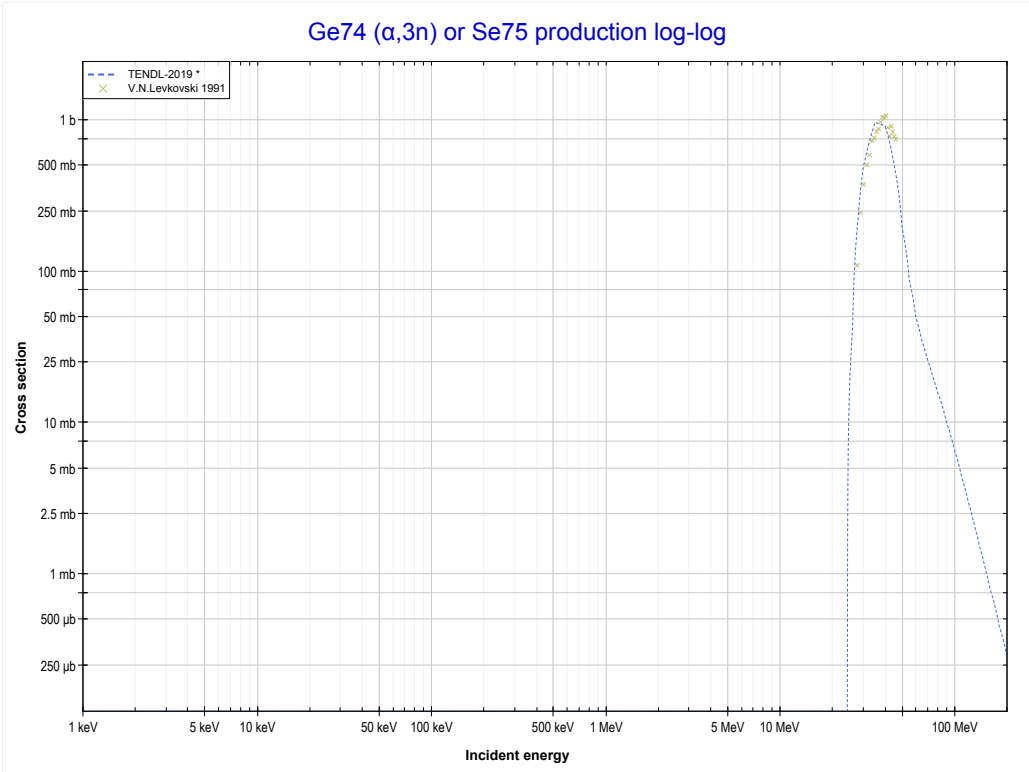
Reaction	Q-Value
Ge73(α,t)As74	-12962.31 keV
Ge73($\alpha,n+d$)As74	-19219.54 keV
Ge73($\alpha,2n+p$)As74	-21444.11 keV

<< 32-Ge-72	32-Ge-74	32-Ge-76 >>
<< 32-Ge-73 MT105 (α,t)	MT11 (α,2n+d) or MT5 (As74 production)	MT17 (α,3n) >>



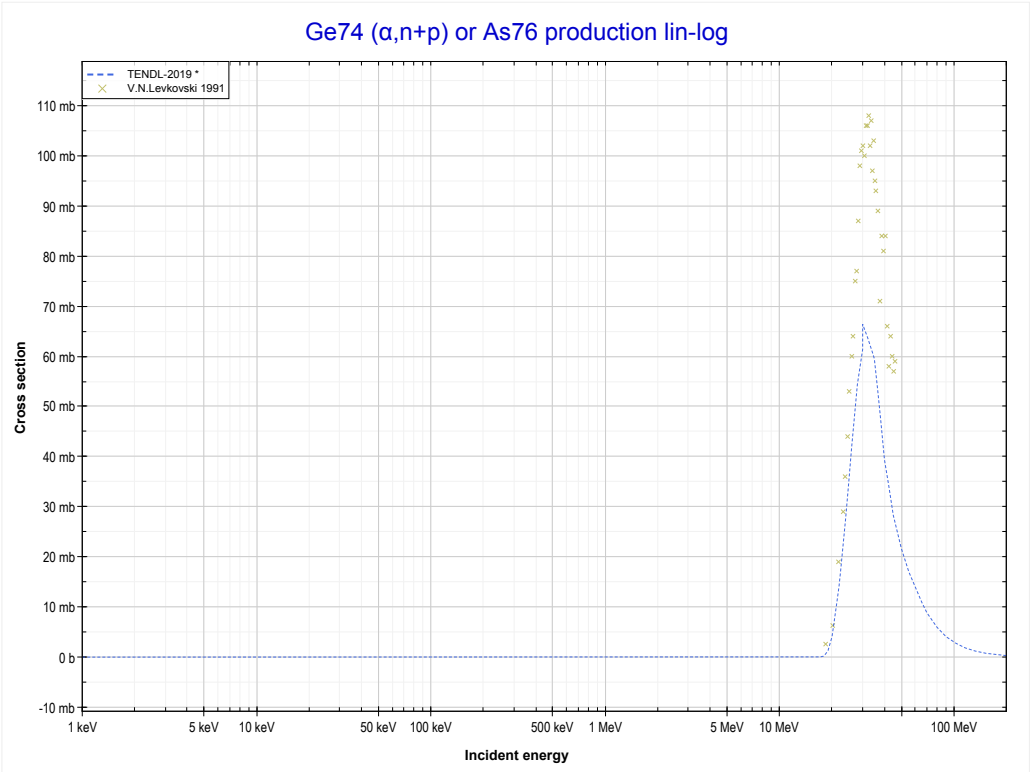
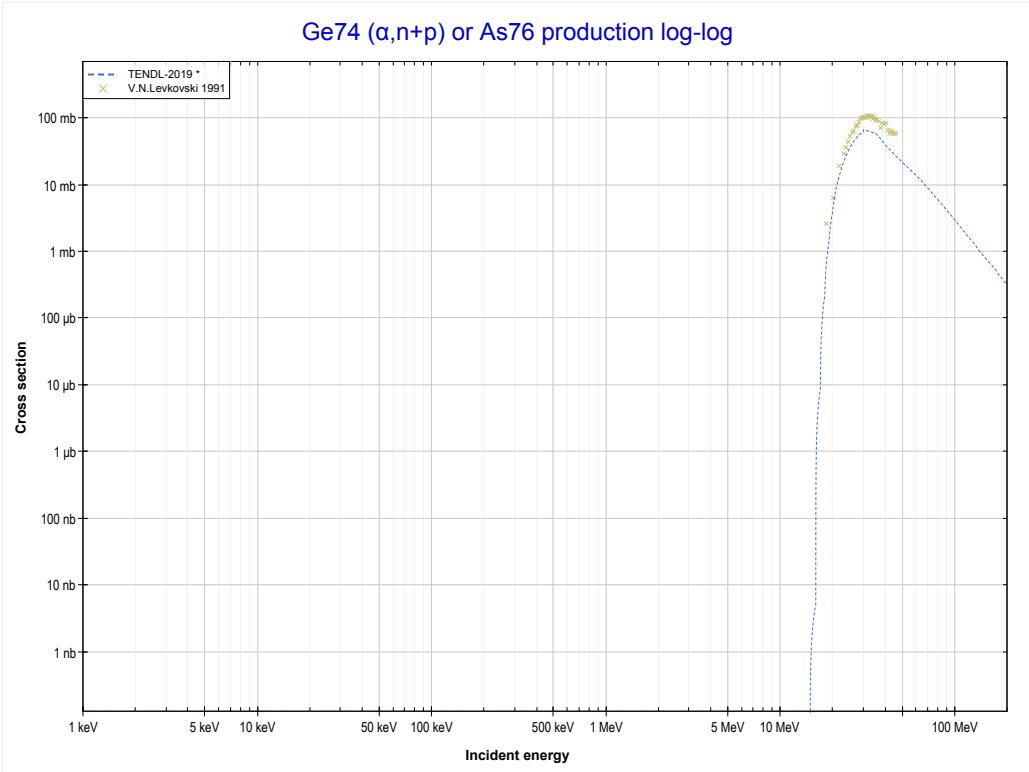
Reaction	Q-Value
Ge74(α,n+t)As74	-23158.55 keV
Ge74(α,2n+d)As74	-29415.78 keV
Ge74(α,3n+p)As74	-31640.35 keV

<< 32-Ge-72	32-Ge-74	33-As-75 >>
<< MT11 ($\alpha,2n+d$)	MT17 ($\alpha,3n$) or MT5 (Se75 production)	MT28 ($\alpha,n+p$) >>



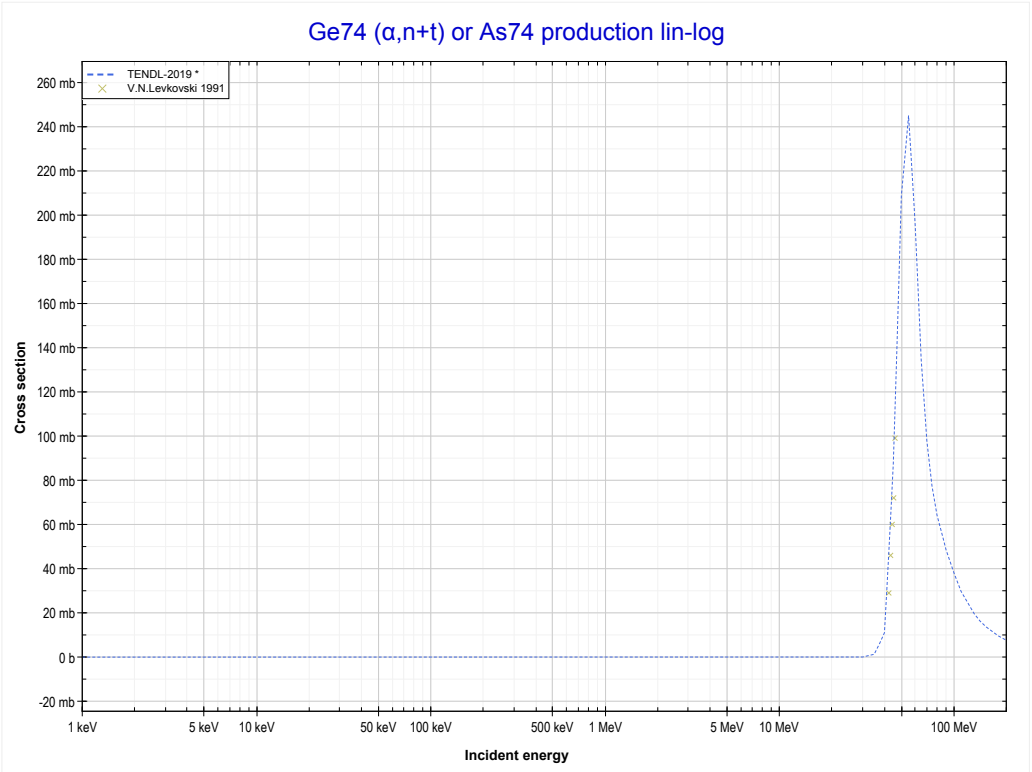
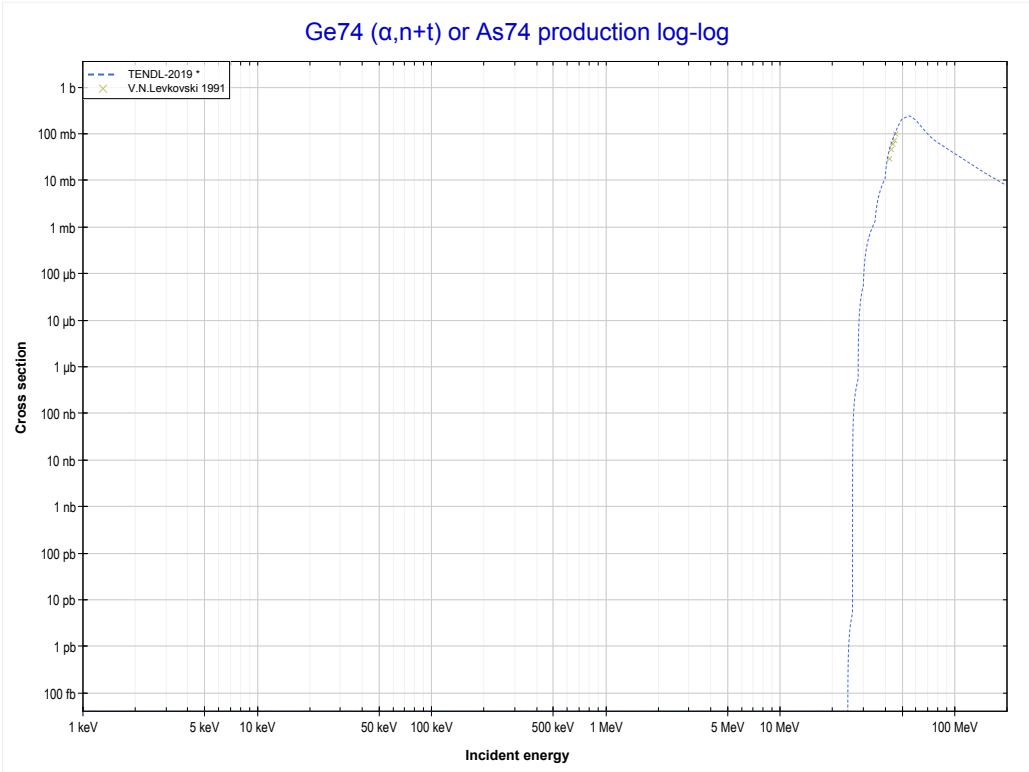
Reaction	Q-Value
Ge74($\alpha,3n$)Se75	-23042.00 keV

<< 32-Ge-72	32-Ge-74	32-Ge-76 >>
<< MT17 (α,3n)	MT28 (α,n+p) or MT5 (As76 production)	MT33 (α,n+t) >>



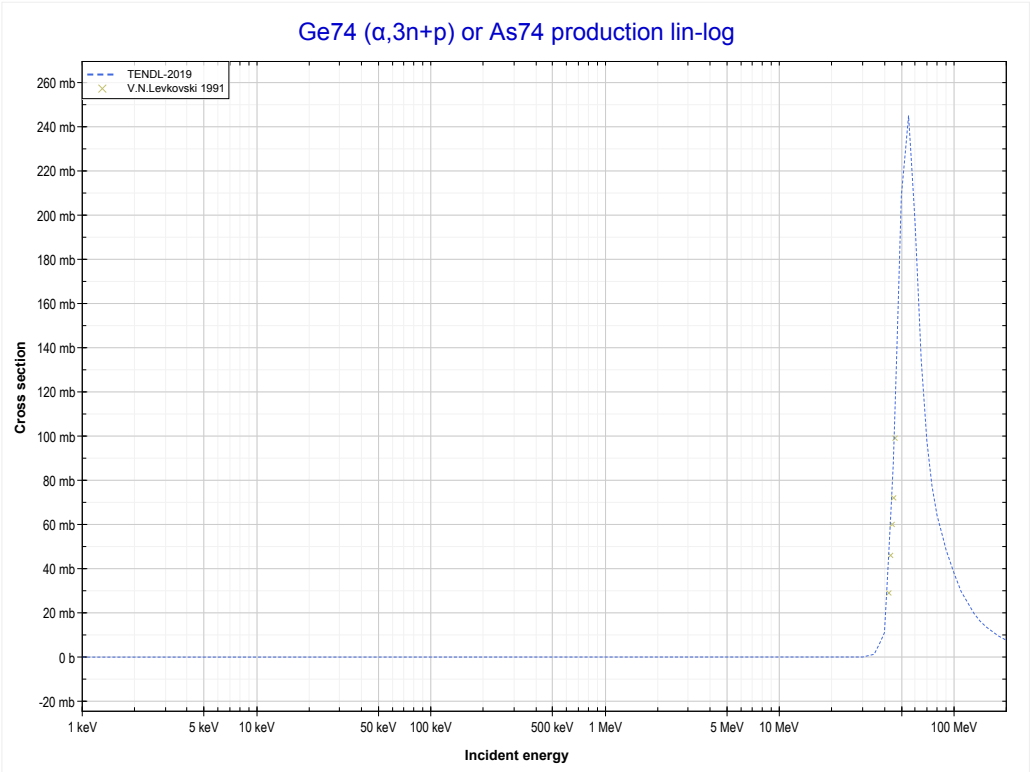
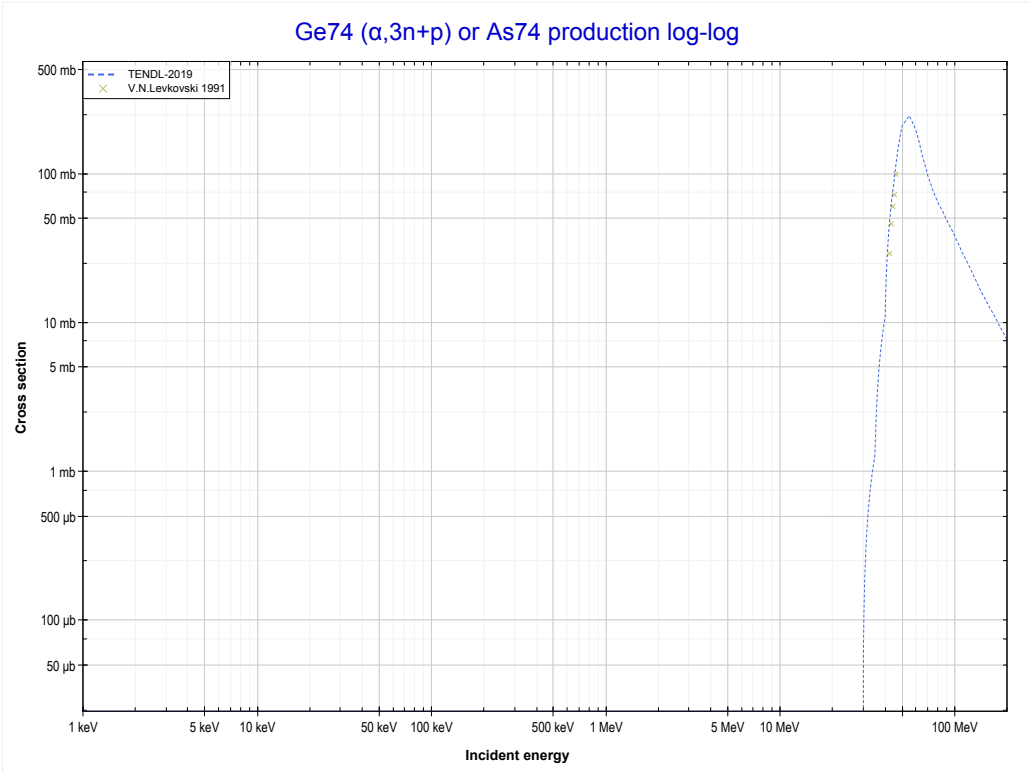
Reaction	Q-Value
Ge74(α,d)As76	-11841.85 keV
Ge74(α,n+p)As76	-14066.41 keV

<< 32-Ge-72	32-Ge-74	32-Ge-76 >>
<< MT28 (α,n+p)	MT33 (α,n+t) or MT5 (As74 production)	MT42 (α,3n+p) >>



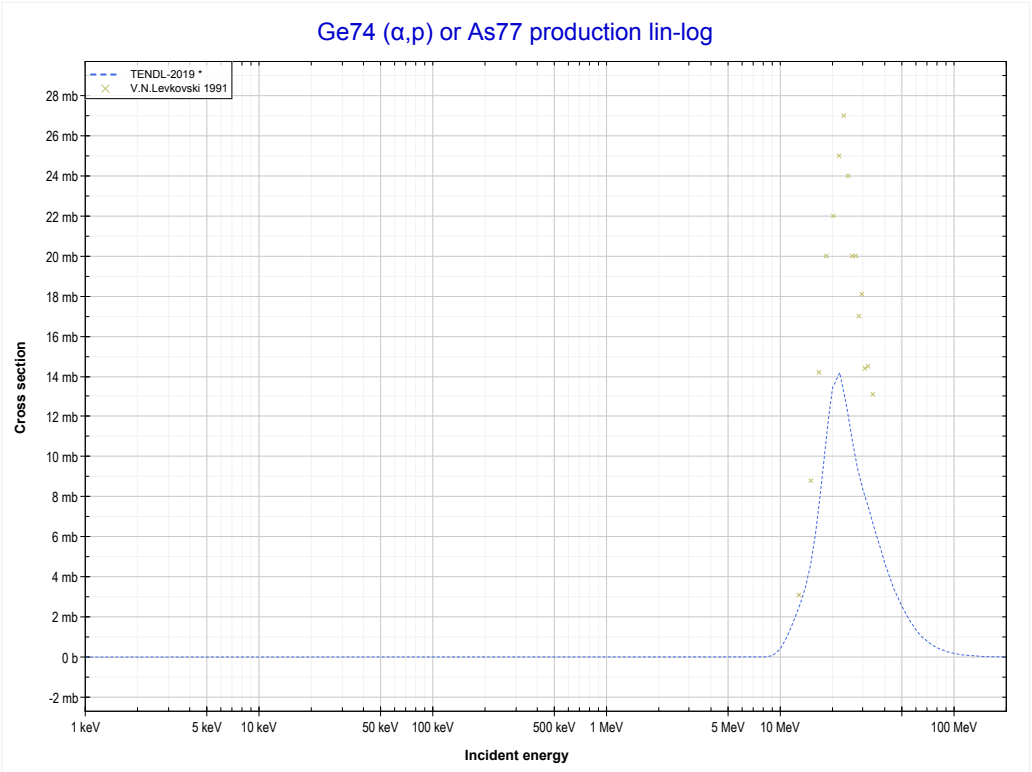
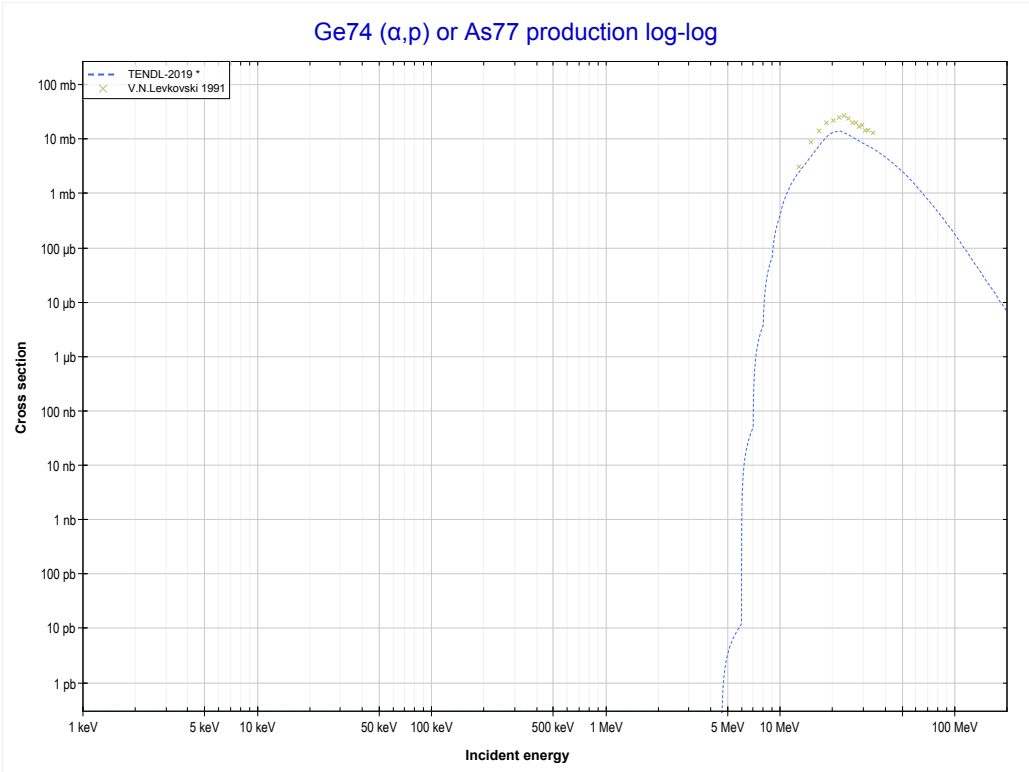
Reaction	Q-Value
Ge74(α,n+t)As74	-23158.55 keV
Ge74(α,2n+d)As74	-29415.78 keV
Ge74(α,3n+p)As74	-31640.35 keV

<< 32-Ge-72	32-Ge-74	32-Ge-76 >>
<< MT33 (α,n+t)	MT42 (α,3n+p) or MT5 (As74 production)	MT103 (α,p) >>



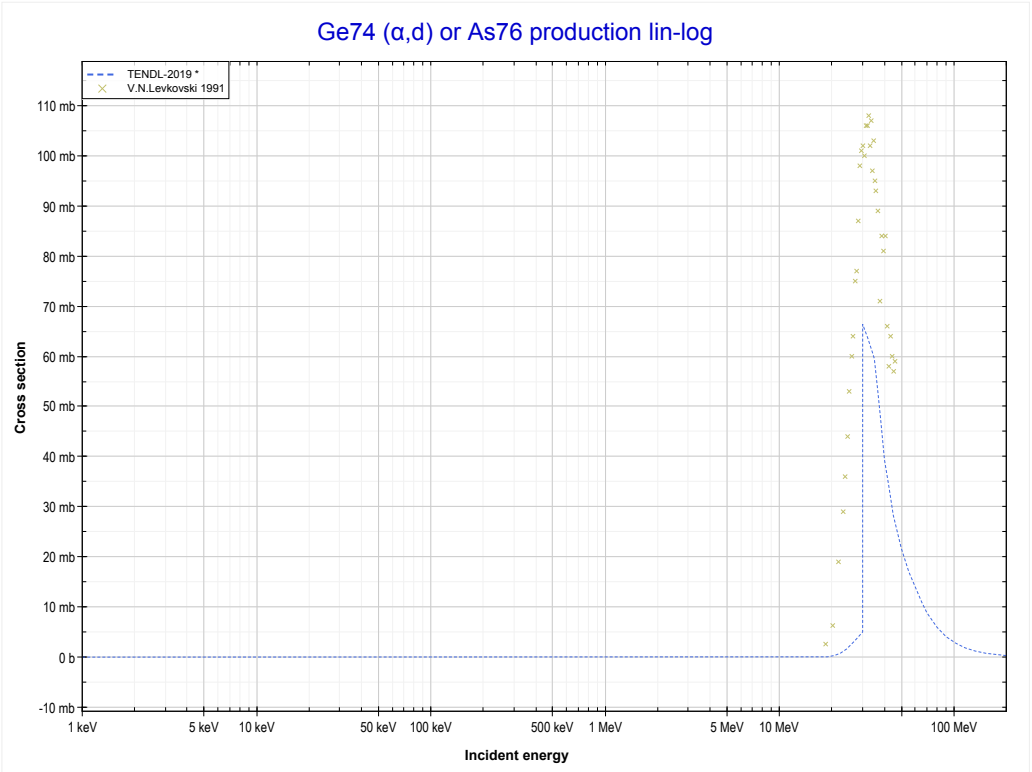
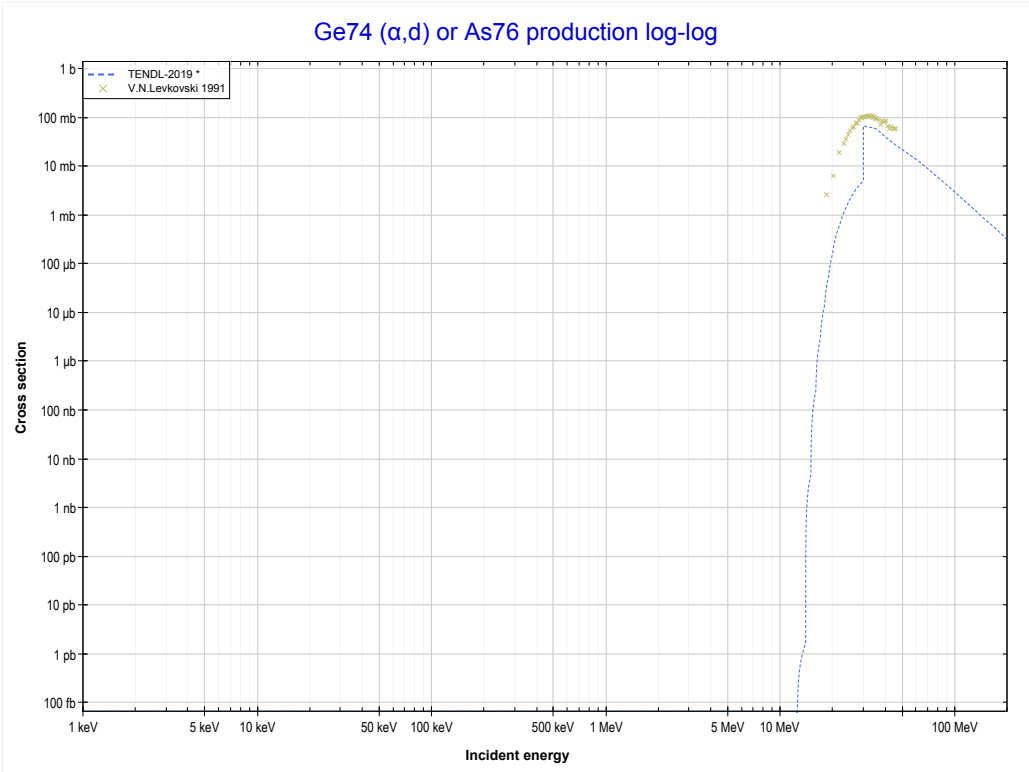
Reaction	Q-Value
Ge74(α,n+t)As74	-23158.55 keV
Ge74(α,2n+d)As74	-29415.78 keV
Ge74(α,3n+p)As74	-31640.35 keV

<< 30-Zn-70	32-Ge-74	34-Se-74 >>
<< MT42 (α,3n+p)	MT103 (α,p) or MT5 (As77 production)	MT104 (α,d) >>



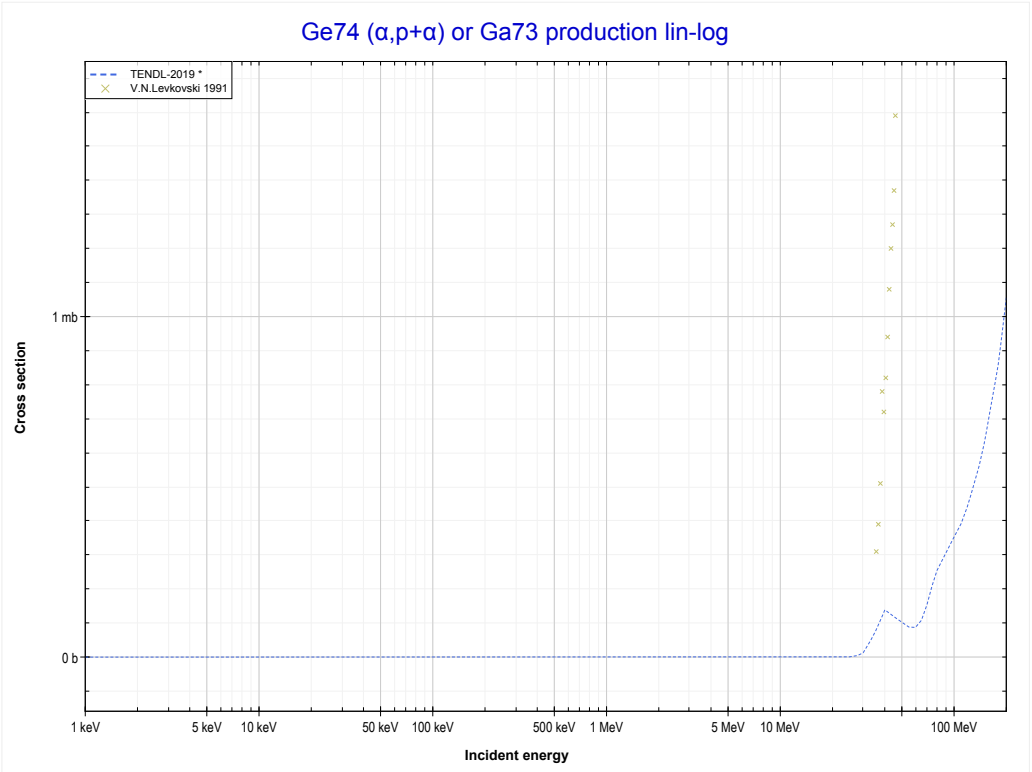
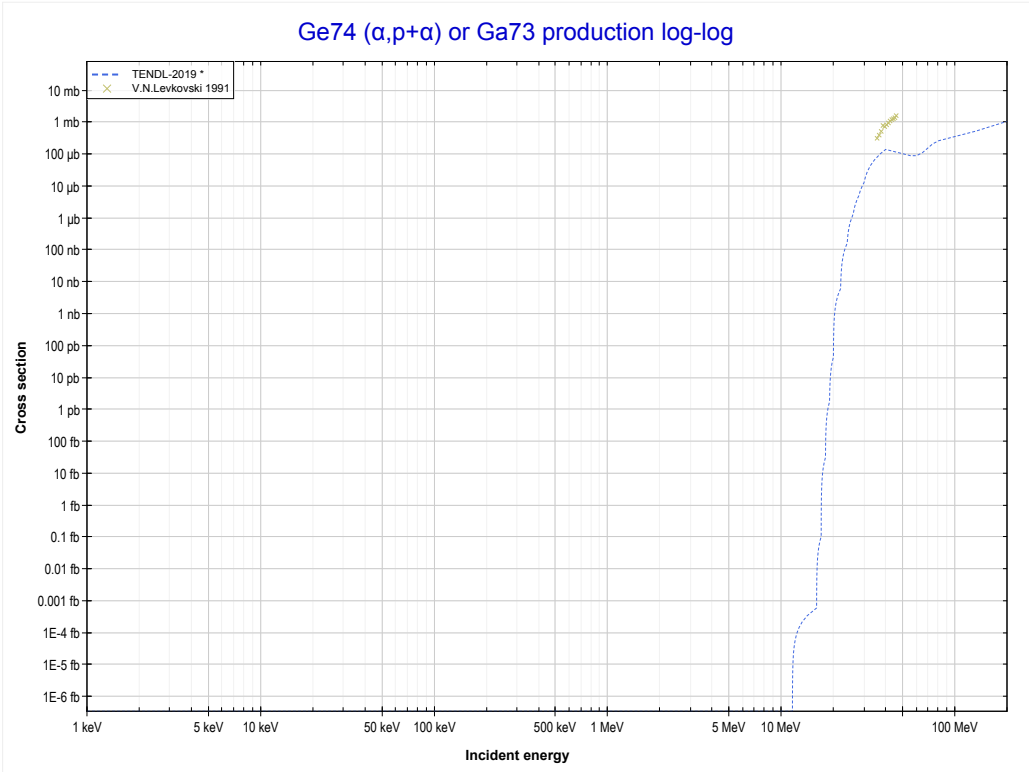
Reaction	Q-Value
Ge74(α,p)As77	-4370.20 keV

<< 32-Ge-72	32-Ge-74	32-Ge-76 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (As76 production)	MT112 (α,p+α) >>



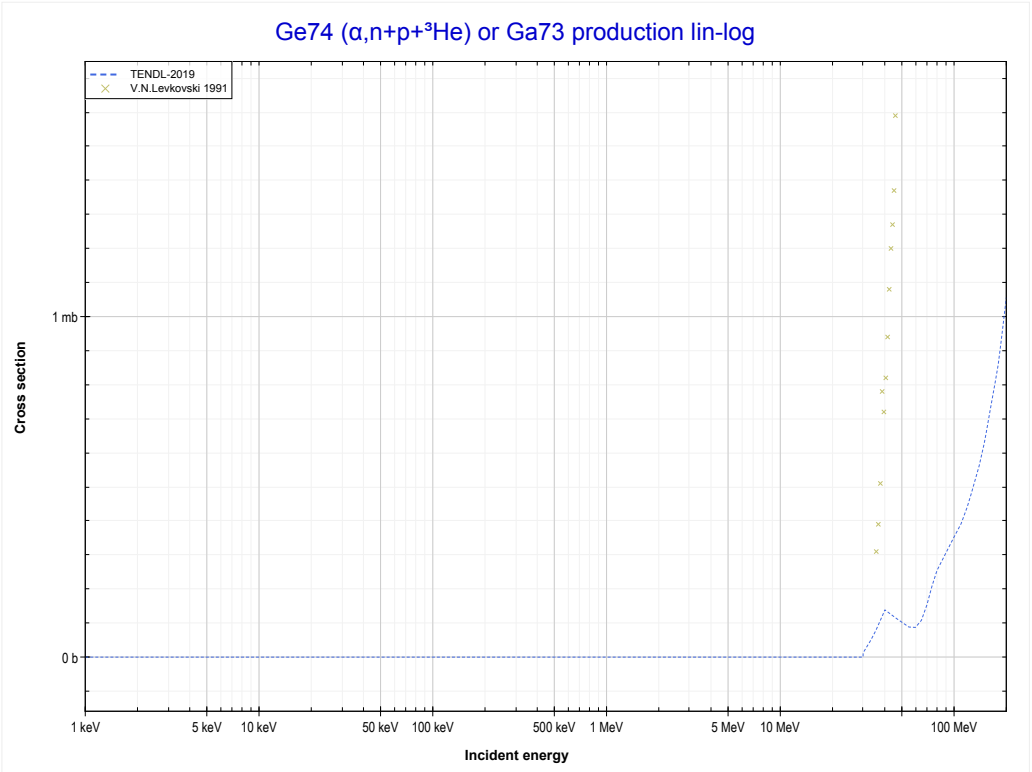
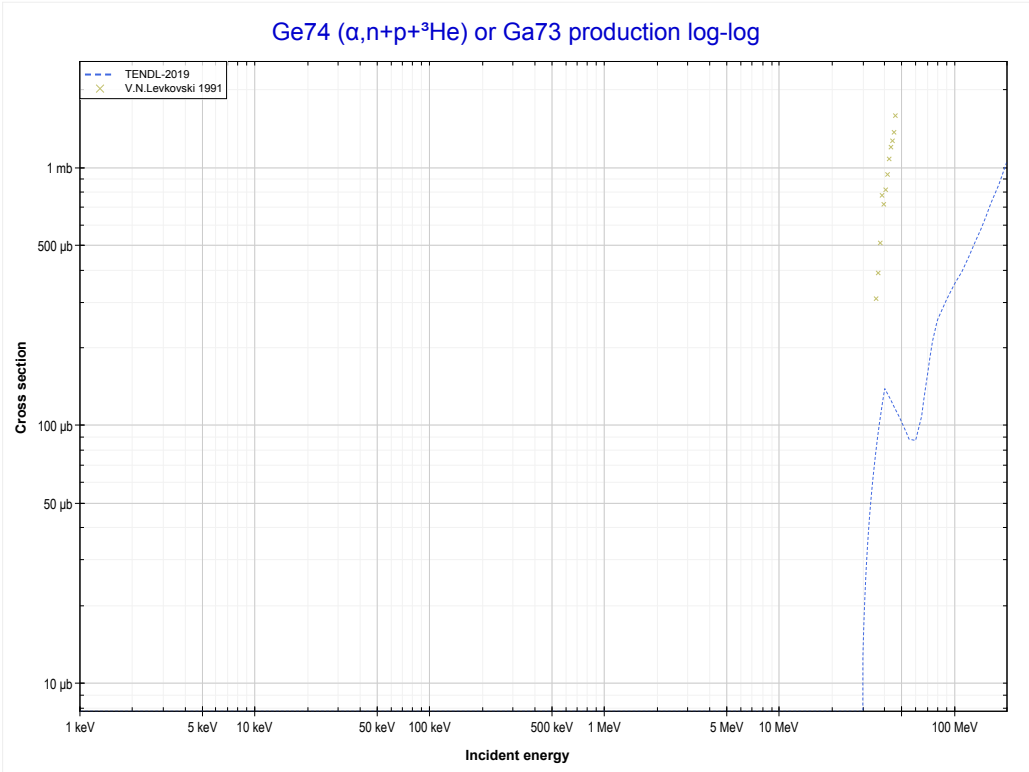
Reaction	Q-Value
Ge74(α,d)As76	-11841.85 keV
Ge74(α,n+p)As76	-14066.41 keV

<< 30-Zn-68	32-Ge-74	
<< MT104 (α,d)	MT112 (α,p+α) or MT5 (Ga73 production)	MT186 (α,n+p+ ³ He) >>



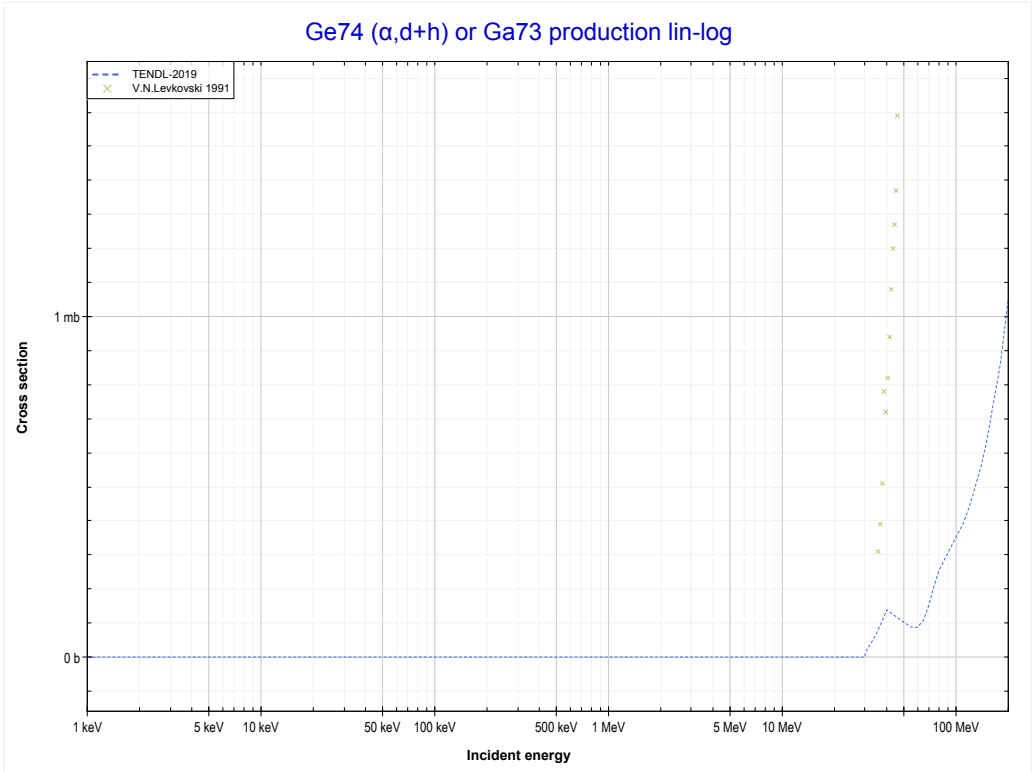
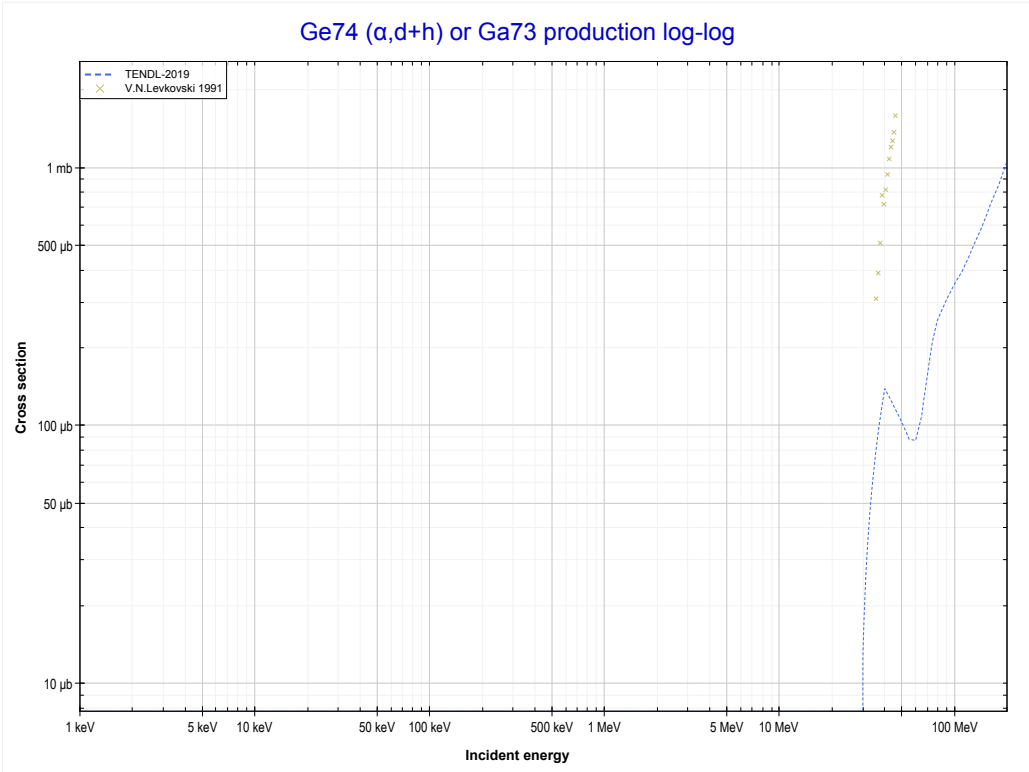
Reaction	Q-Value
Ge74(α,p+α)Ga73	-11012.11 keV
Ge74(α,d+He3)Ga73	-29365.17 keV
Ge74(α,2p+t)Ga73	-30825.98 keV
Ge74(α,n+p+He3)Ga73	-31589.73 keV
Ge74(α,p+2d)Ga73	-34858.64 keV
Ge74(α,n+2p+d)Ga73	-37083.21 keV
Ge74(α,2n+3p)Ga73	-39307.77 keV

<< 30-Zn-68	32-Ge-74	
<< MT112 (α ,p+ α)	MT186 (α ,n+p+ ^3He) or MT5 (Ga73 production)	MT192 (α ,d+ ^3He) >>



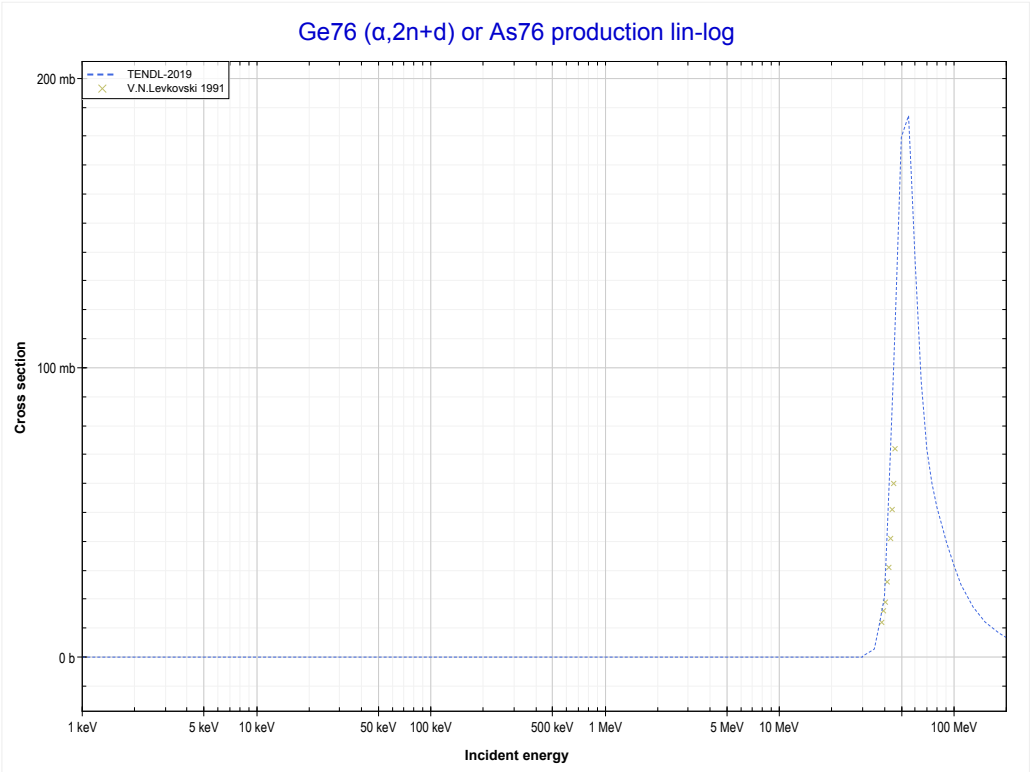
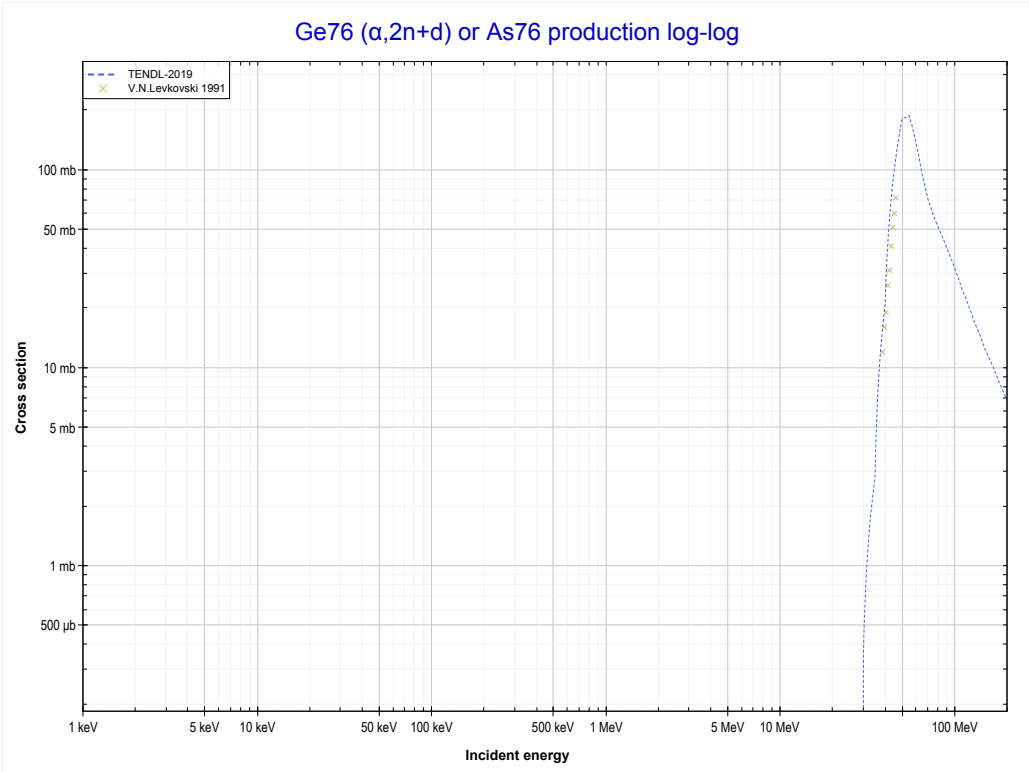
Reaction	Q-Value
Ge74(α ,p+ α)Ga73	-11012.11 keV
Ge74(α ,d+He3)Ga73	-29365.17 keV
Ge74(α ,2p+t)Ga73	-30825.98 keV
Ge74(α ,n+p+He3)Ga73	-31589.73 keV
Ge74(α ,p+2d)Ga73	-34858.64 keV
Ge74(α ,n+2p+d)Ga73	-37083.21 keV
Ge74(α ,2n+3p)Ga73	-39307.77 keV

<< 30-Zn-68	32-Ge-74	
<< MT186 ($\alpha,n+p+^3\text{He}$)	MT192 ($\alpha,d+^3\text{He}$) or MT5 (Ga73 production)	32-Ge-76 MT11 ($\alpha,2n+d$) >>



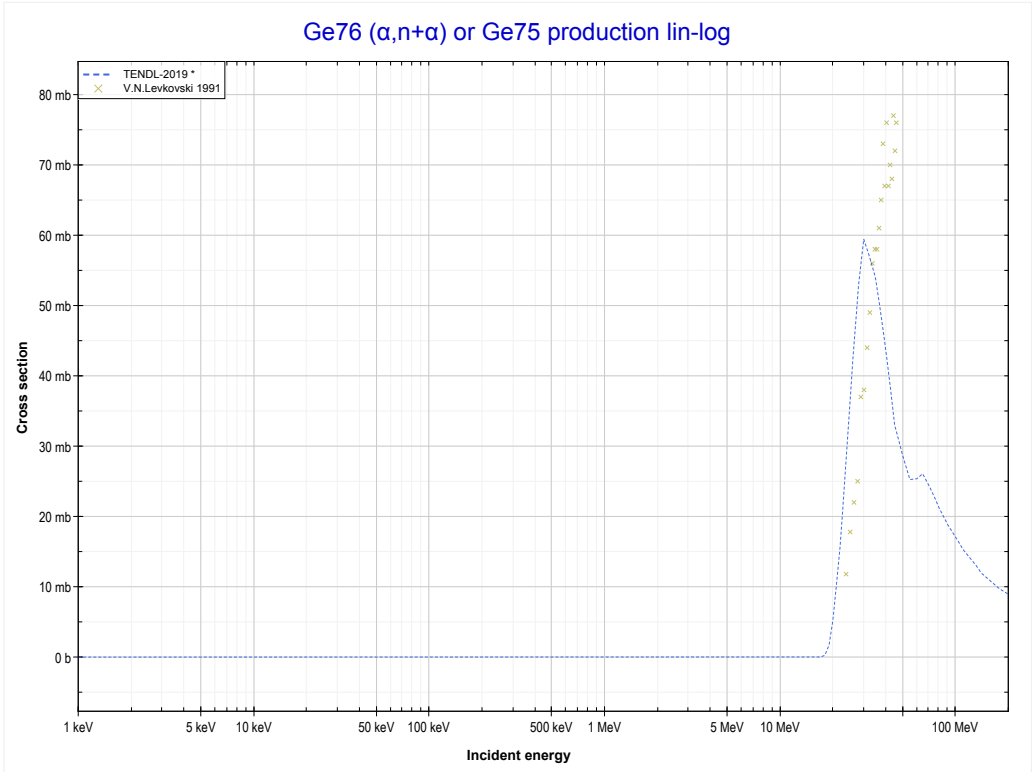
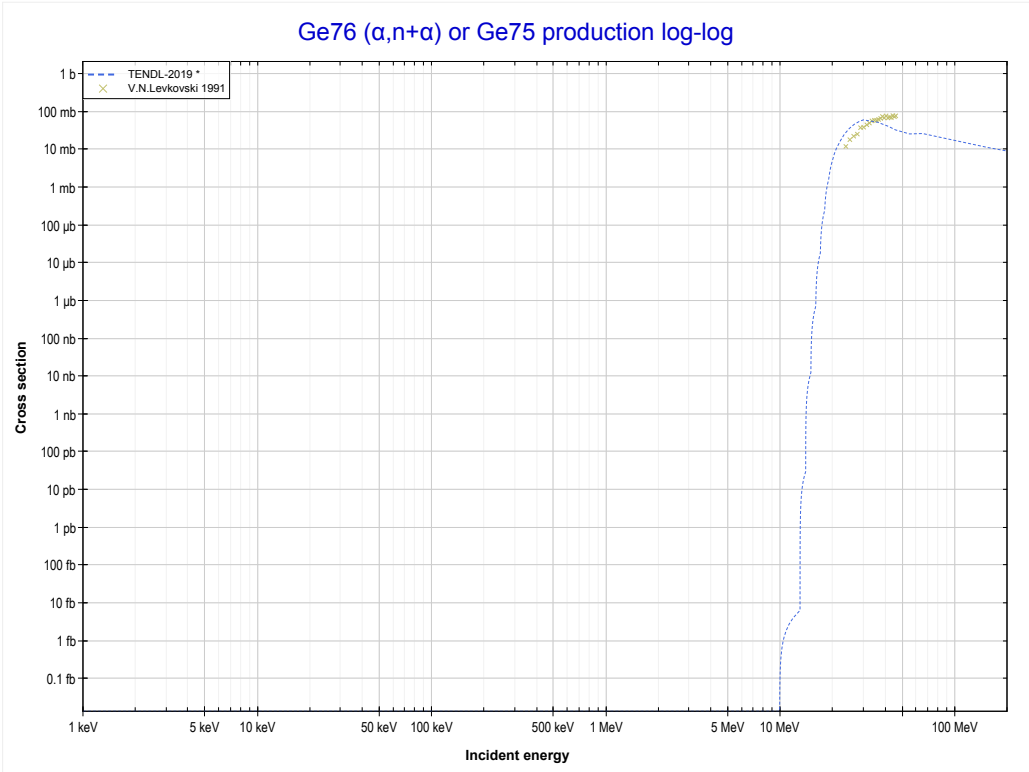
Reaction	Q-Value
Ge74($\alpha,p+\alpha$)Ga73	-11012.11 keV
Ge74($\alpha,d+^3\text{He}$)Ga73	-29365.17 keV
Ge74($\alpha,2p+t$)Ga73	-30825.98 keV
Ge74($\alpha,n+p+^3\text{He}$)Ga73	-31589.73 keV
Ge74($\alpha,p+2d$)Ga73	-34858.64 keV
Ge74($\alpha,n+2p+d$)Ga73	-37083.21 keV
Ge74($\alpha,2n+3p$)Ga73	-39307.77 keV

<< 32-Ge-74	32-Ge-76	35-Br-79 >>
<< 32-Ge-74 MT192 (α ,d+ ^3He)	MT11 (α ,2n+d) or MT5 (As76 production)	MT22 (α ,n+ α) >>



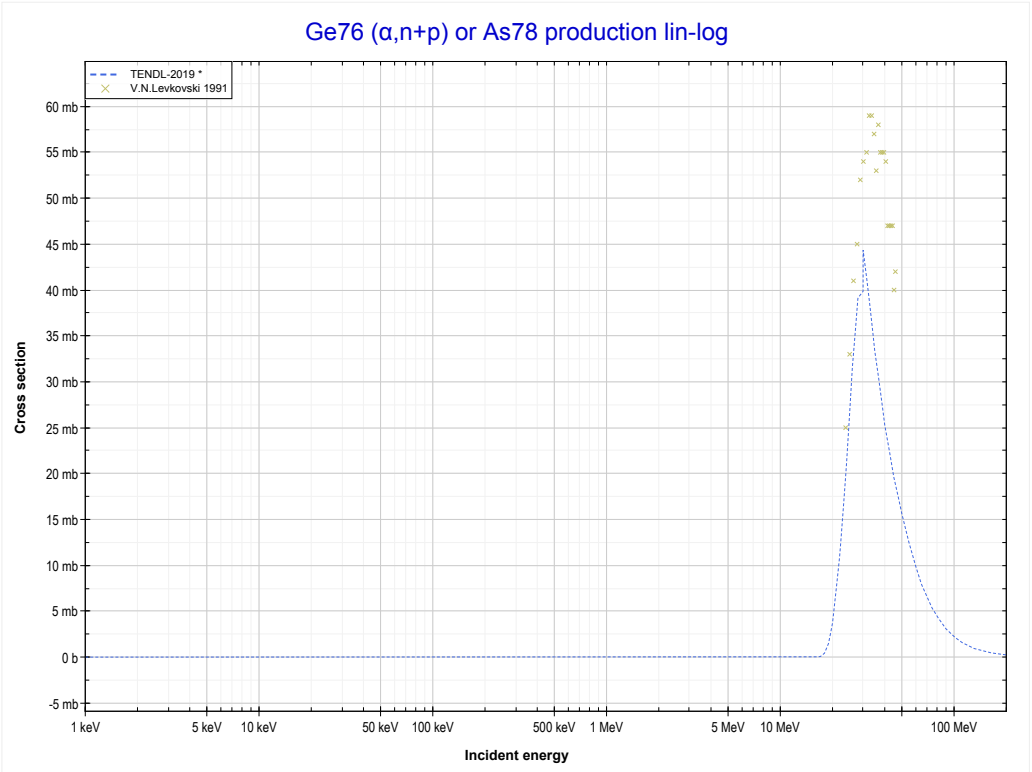
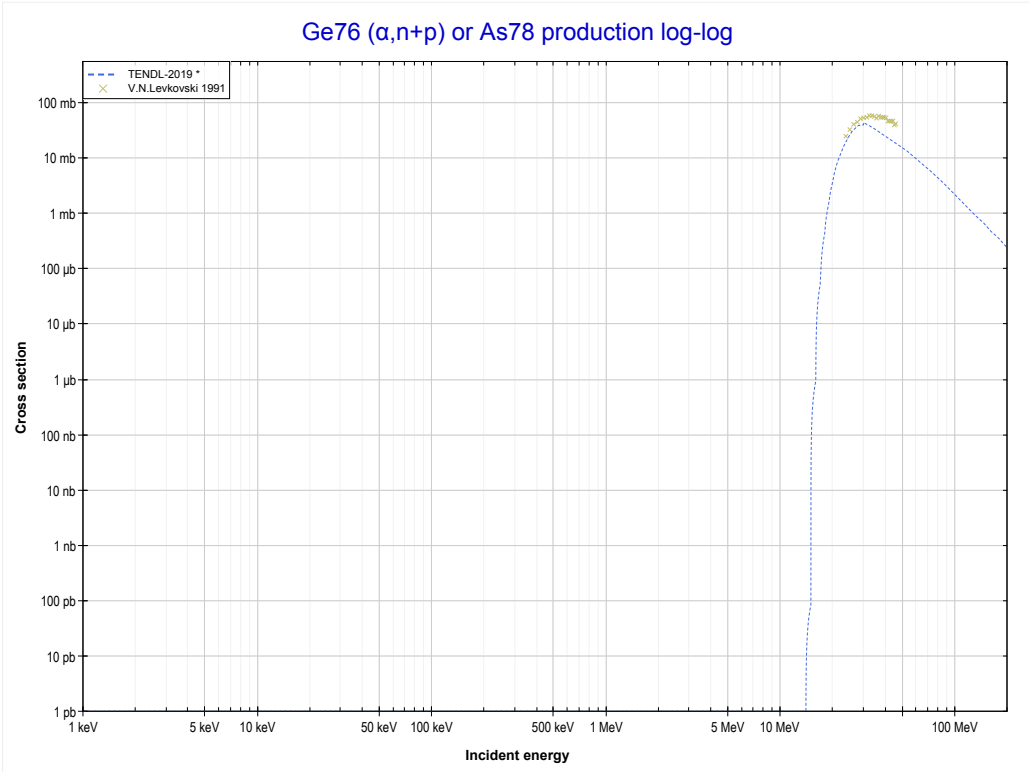
Reaction	Q-Value
Ge76(α ,n+t)As76	-21517.70 keV
Ge76(α ,2n+d)As76	-27774.93 keV
Ge76(α ,3n+p)As76	-29999.50 keV

<< 32-Ge-70	32-Ge-76	33-As-75 >>
<< MT11 ($\alpha,2n+d$)	MT22 ($\alpha,n+\alpha$) or MT5 (Ge75 production)	MT28 ($\alpha,n+p$) >>



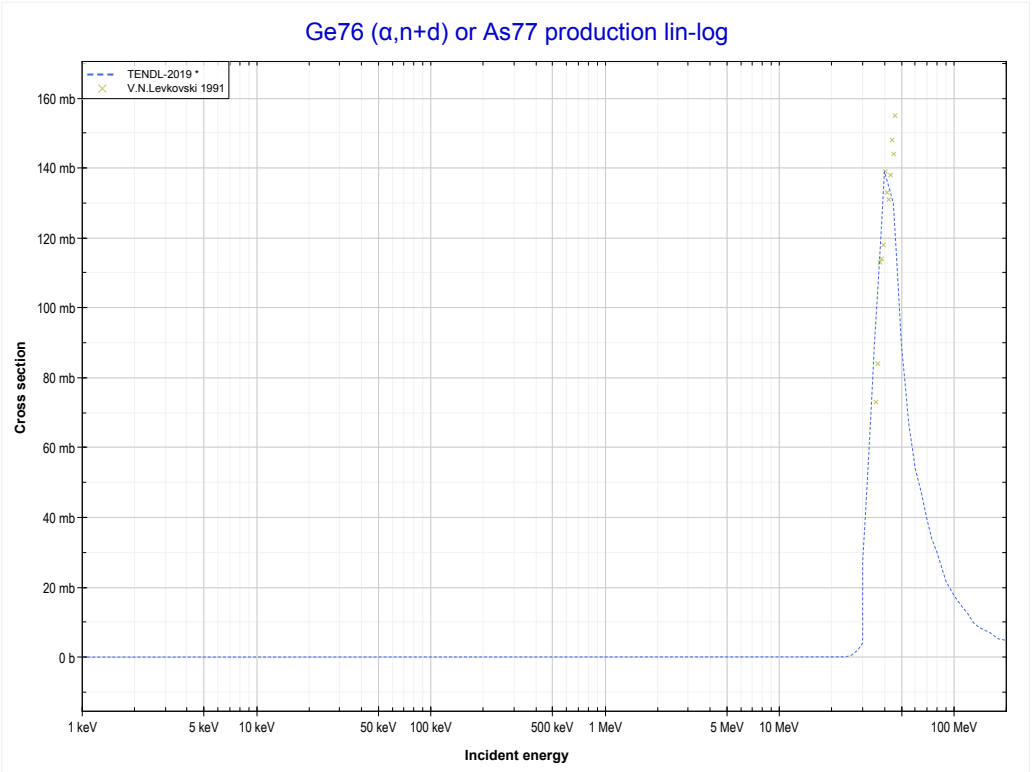
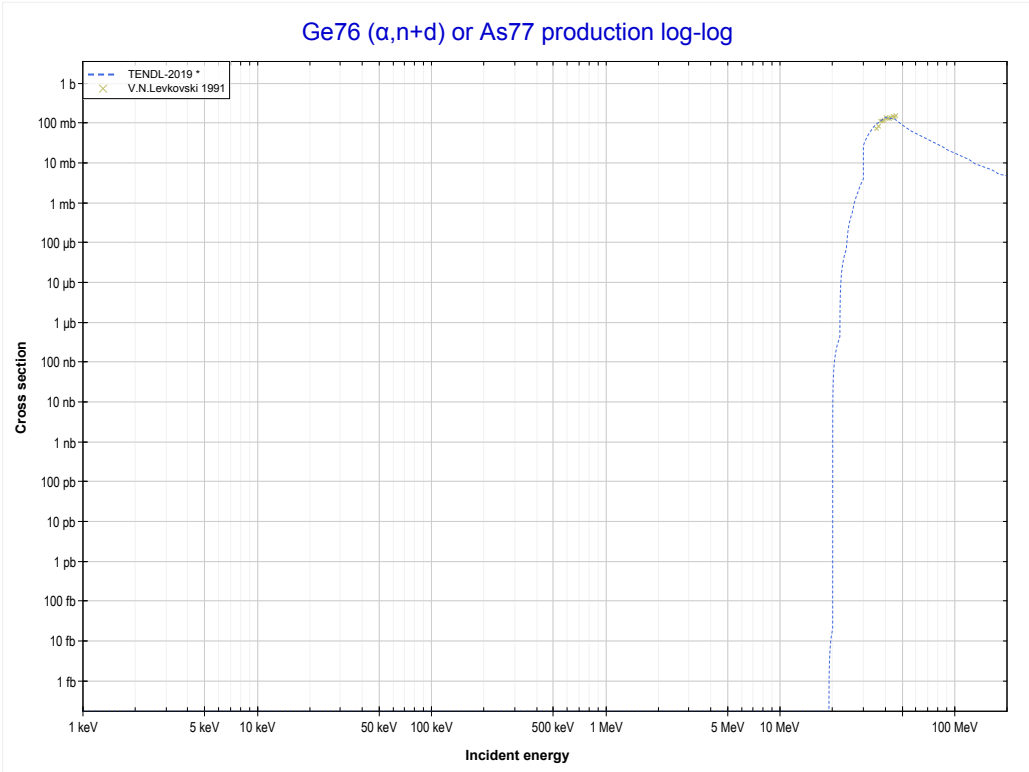
Reaction	Q-Value
Ge76($\alpha,n+\alpha$)Ge75	-9427.25 keV
Ge76($\alpha,d+t$)Ge75	-27016.54 keV
Ge76($\alpha,n+p+t$)Ge75	-29241.11 keV
Ge76($\alpha,2n+He3$)Ge75	-30004.87 keV
Ge76($\alpha,n+2d$)Ge75	-33273.77 keV
Ge76($\alpha,2n+p+d$)Ge75	-35498.34 keV
Ge76($\alpha,3n+2p$)Ge75	-37722.91 keV

<< 32-Ge-74	32-Ge-76	34-Se-74 >>
<< MT22 ($\alpha,n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (As78 production)	MT32 ($\alpha,n+d$) >>



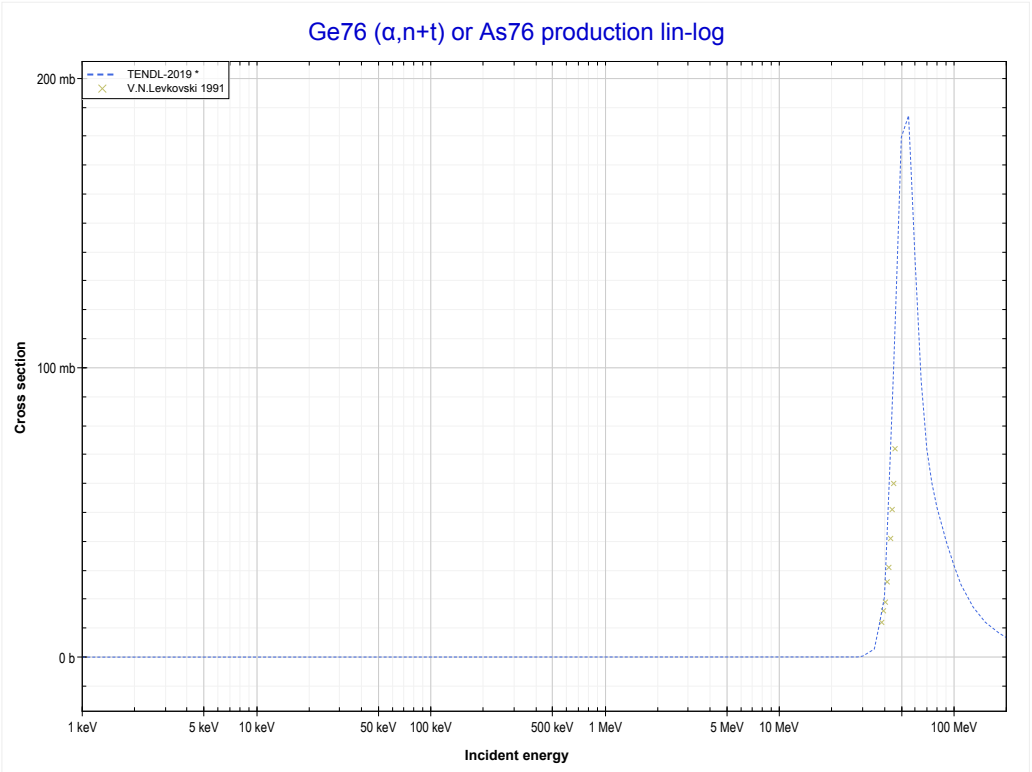
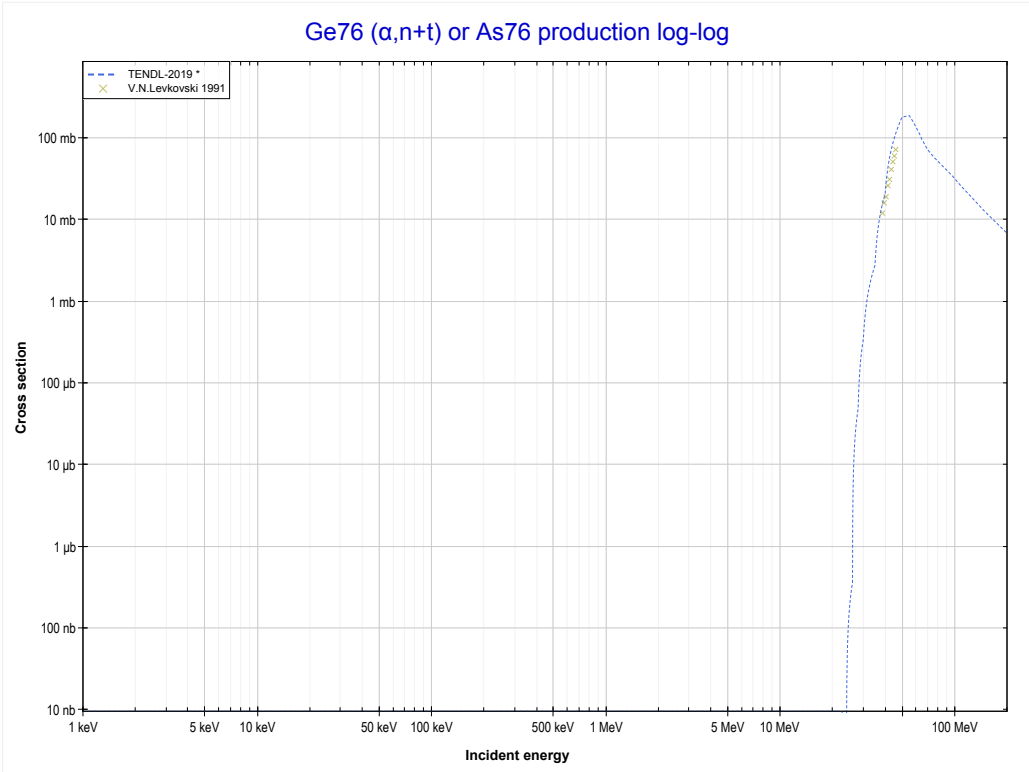
Reaction	Q-Value
Ge76(α,d)As78	-11106.70 keV
Ge76($\alpha,n+p$)As78	-13331.26 keV

<< 32-Ge-73	32-Ge-76	34-Se-74 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (As77 production)	MT33 (α,n+t) >>



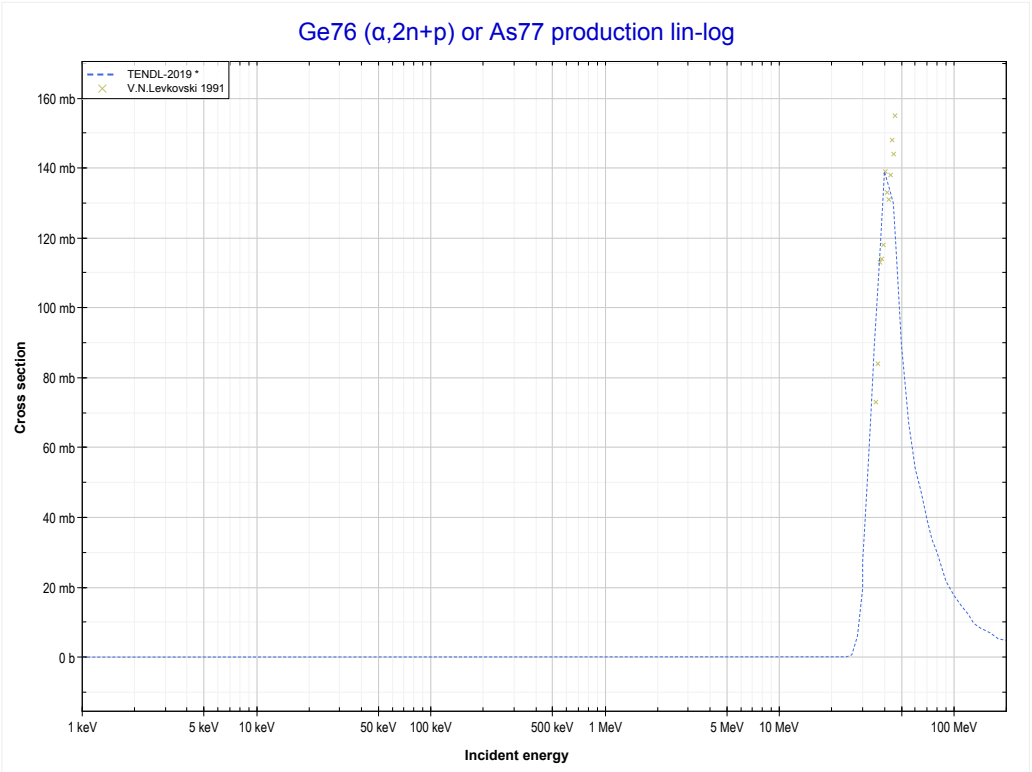
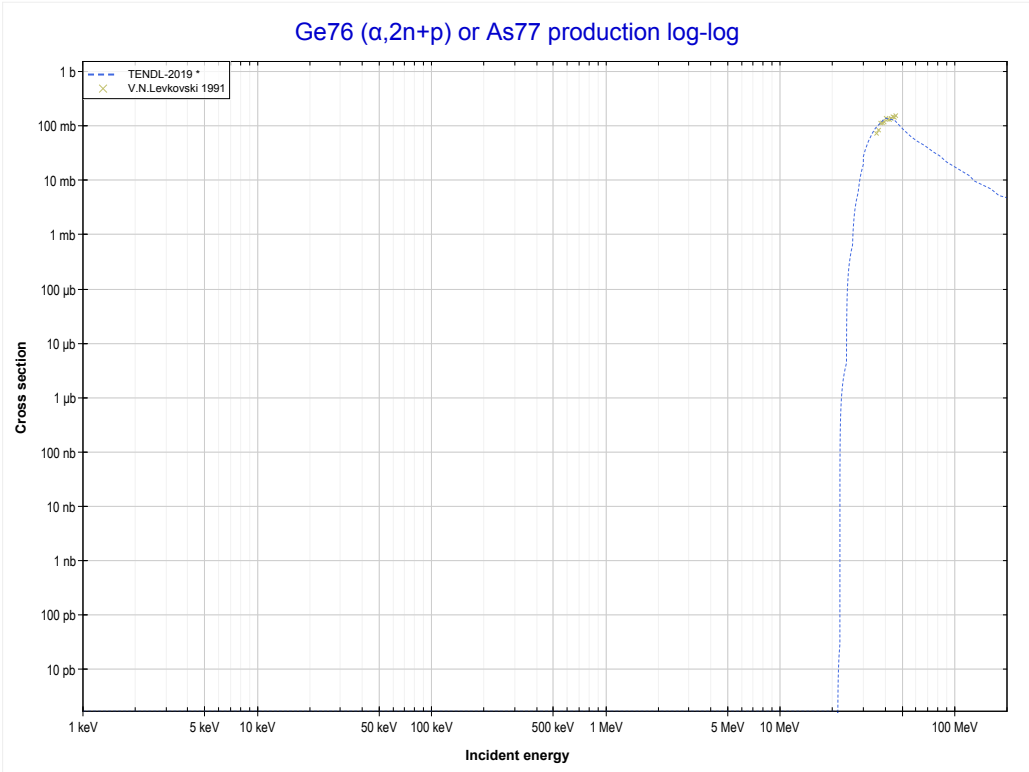
Reaction	Q-Value
Ge76(α,t)As77	-11821.48 keV
Ge76(α,n+d)As77	-18078.71 keV
Ge76(α,2n+p)As77	-20303.28 keV

<< 32-Ge-74	32-Ge-76	35-Br-79 >>
<< MT32 (α,n+d)	MT33 (α,n+t) or MT5 (As76 production)	MT41 (α,2n+p) >>



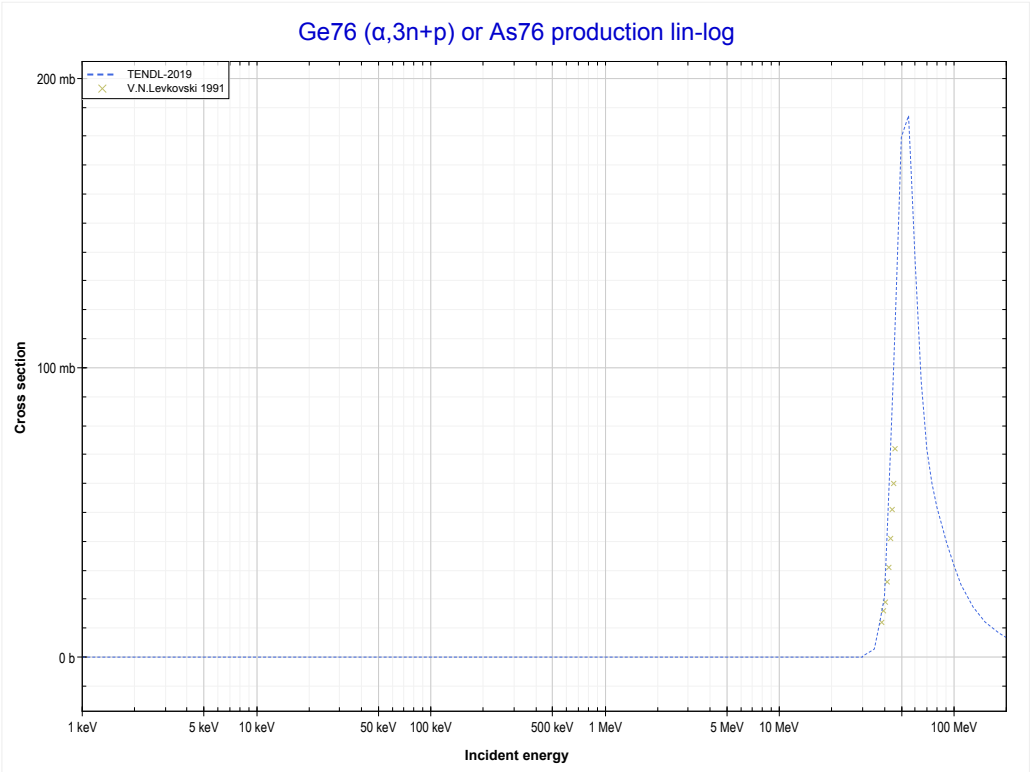
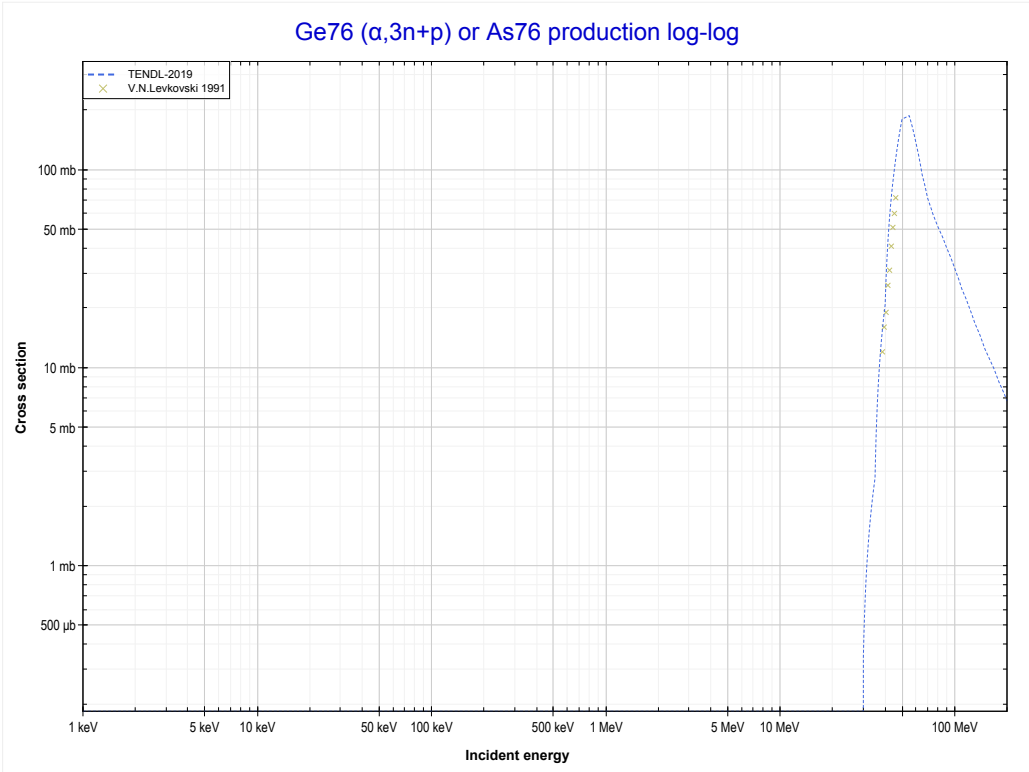
Reaction	Q-Value
Ge76(α,n+t)As76	-21517.70 keV
Ge76(α,2n+d)As76	-27774.93 keV
Ge76(α,3n+p)As76	-29999.50 keV

<< 32-Ge-73	32-Ge-76	34-Se-74 >>
<< MT33 (α,n+t)	MT41 (α,2n+p) or MT5 (As77 production)	MT42 (α,3n+p) >>



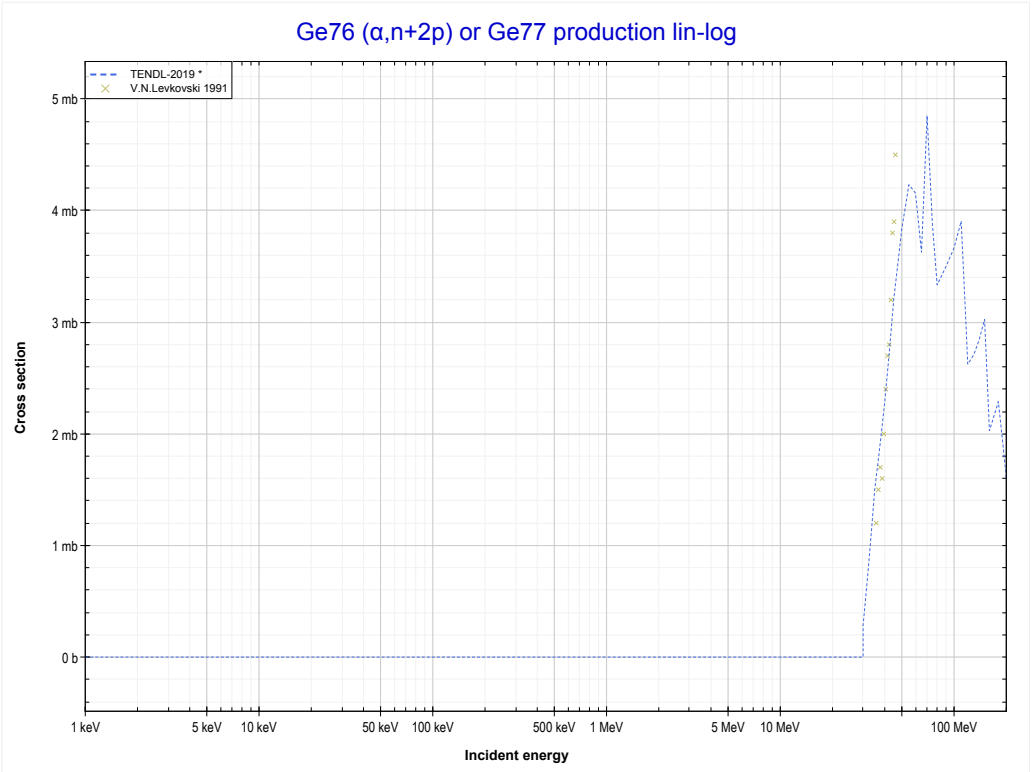
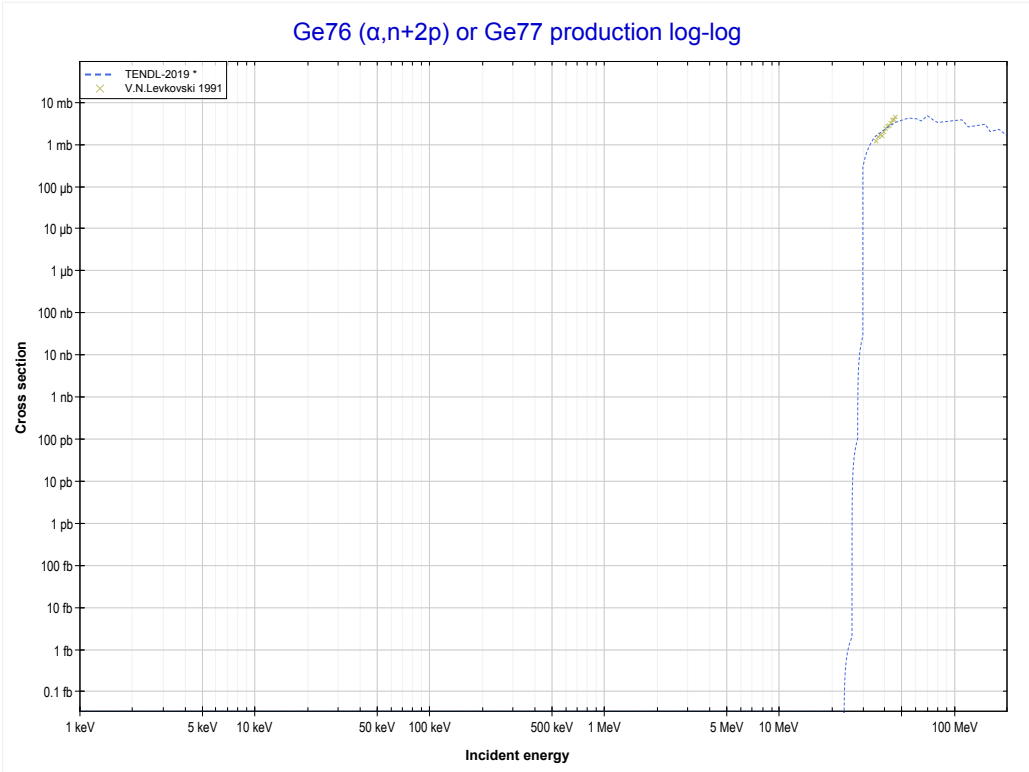
Reaction	Q-Value
Ge76(α,t)As77	-11821.48 keV
Ge76(α,n+d)As77	-18078.71 keV
Ge76(α,2n+p)As77	-20303.28 keV

<< 32-Ge-74	32-Ge-76	35-Br-79 >>
<< MT41 ($\alpha,2n+p$)	MT42 ($\alpha,3n+p$) or MT5 (As76 production)	MT44 ($\alpha,n+2p$) >>



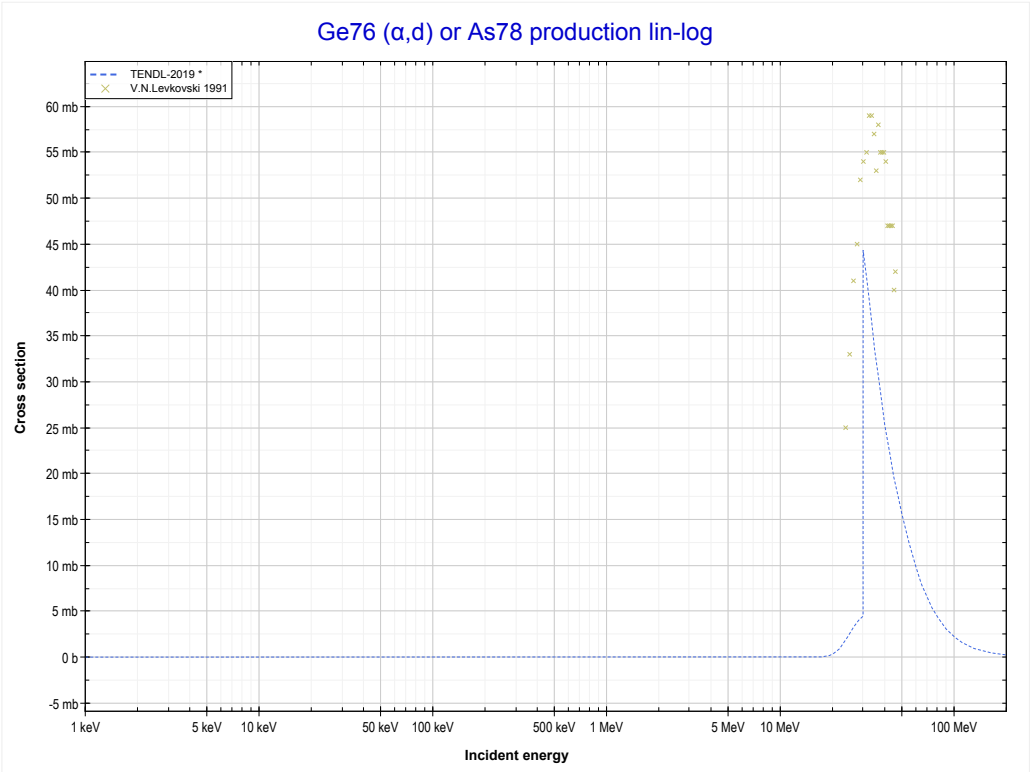
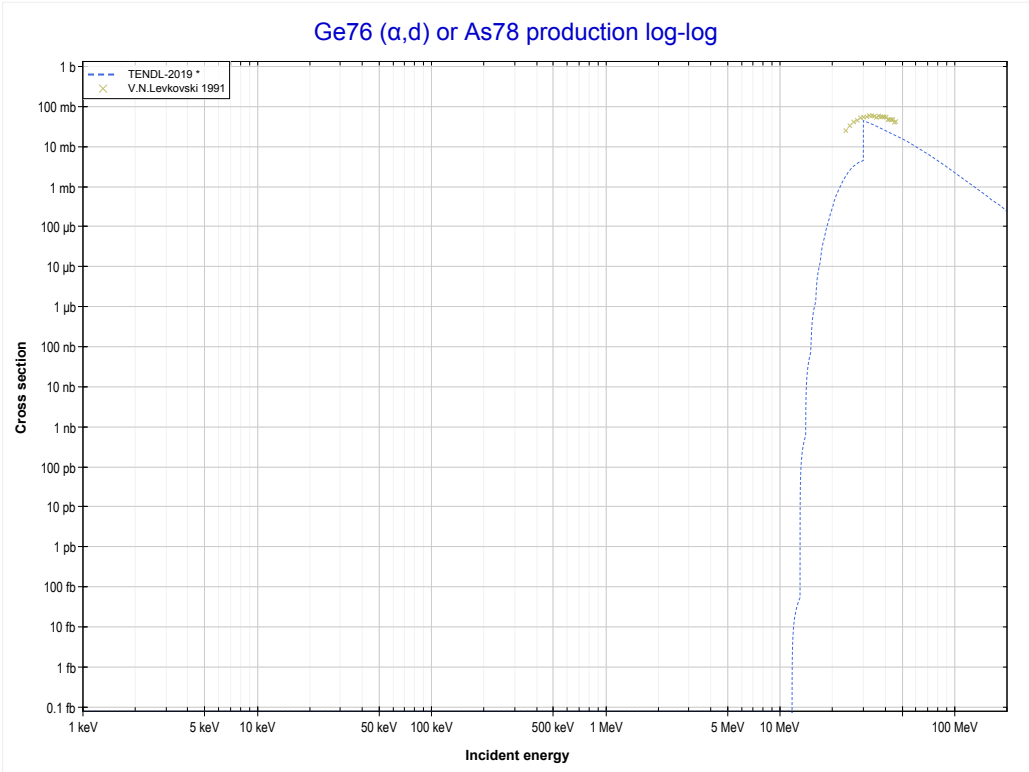
Reaction	Q-Value
Ge76($\alpha,n+t$)As76	-21517.70 keV
Ge76($\alpha,2n+d$)As76	-27774.93 keV
Ge76($\alpha,3n+p$)As76	-29999.50 keV

<< 30-Zn-64	32-Ge-76	34-Se-74 >>
<< MT42 (α,3n+p)	MT44 (α,n+2p) or MT5 (Ge77 production)	MT104 (α,d) >>



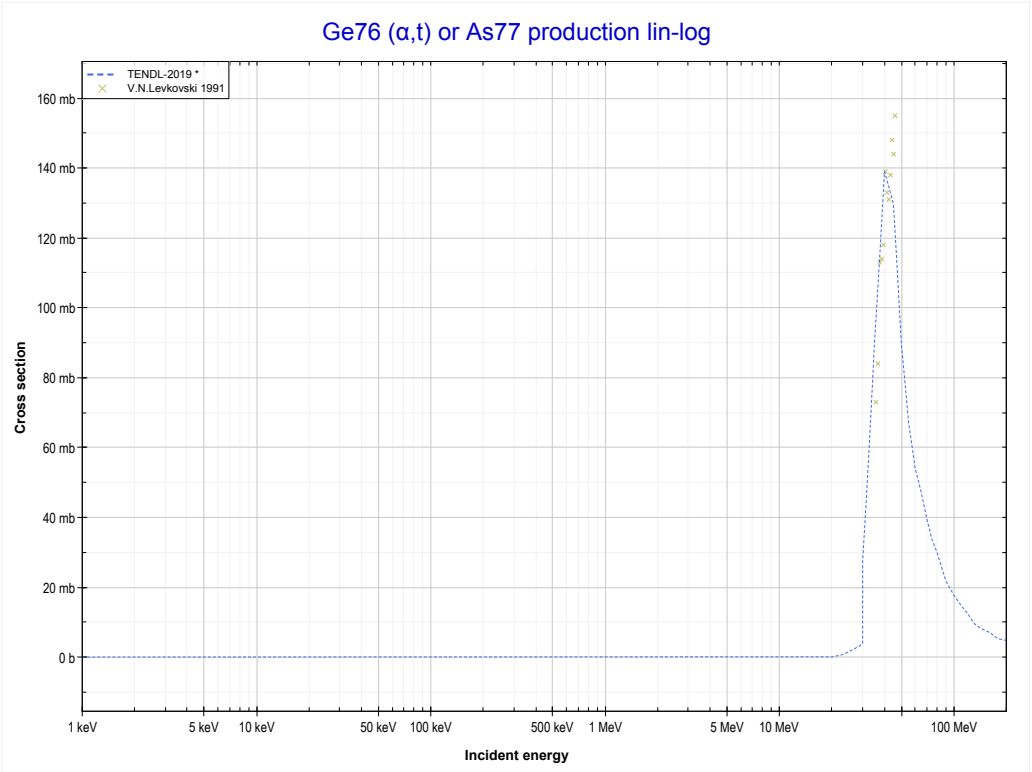
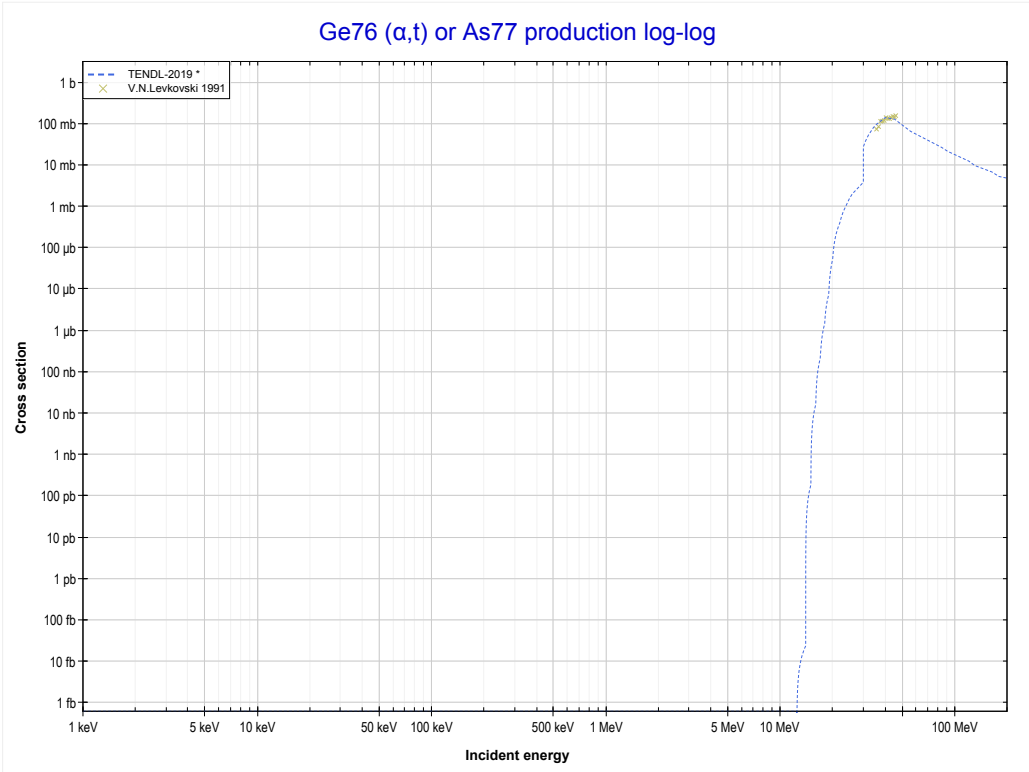
Reaction	Q-Value
Ge76(α,He3)Ge77	-14506.33 keV
Ge76(α,p+d)Ge77	-19999.81 keV
Ge76(α,n+2p)Ge77	-22224.37 keV

<< 32-Ge-74	32-Ge-76	34-Se-74 >>
<< MT44 (α,n+2p)	MT104 (α,d) or MT5 (As78 production)	MT105 (α,t) >>



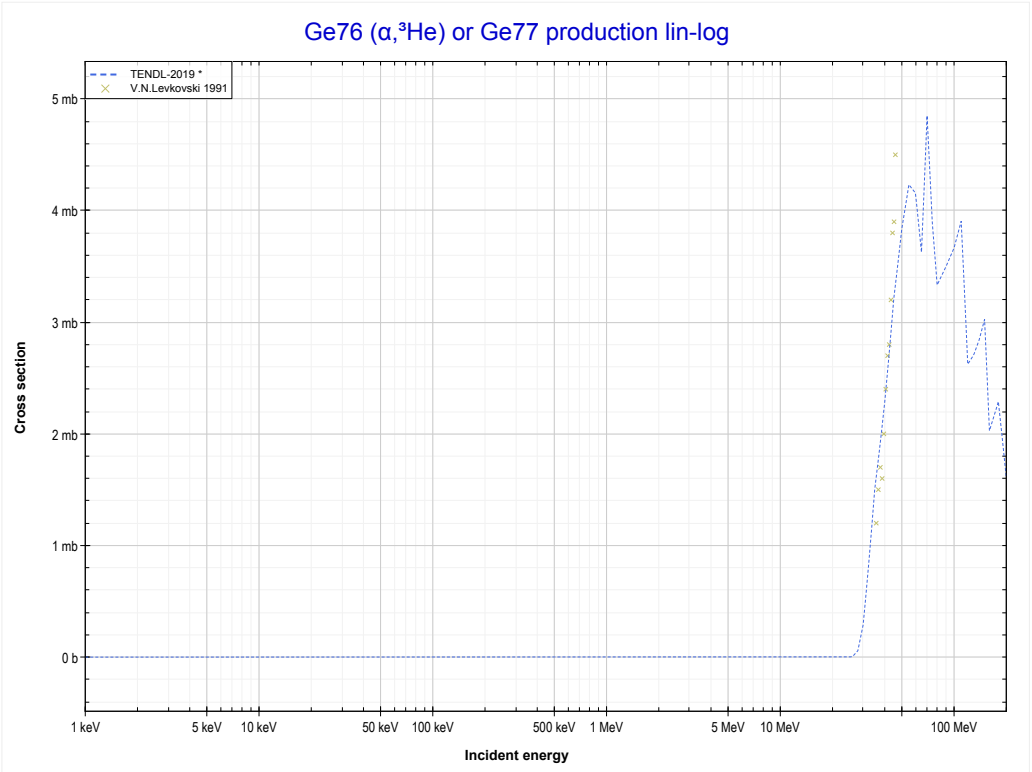
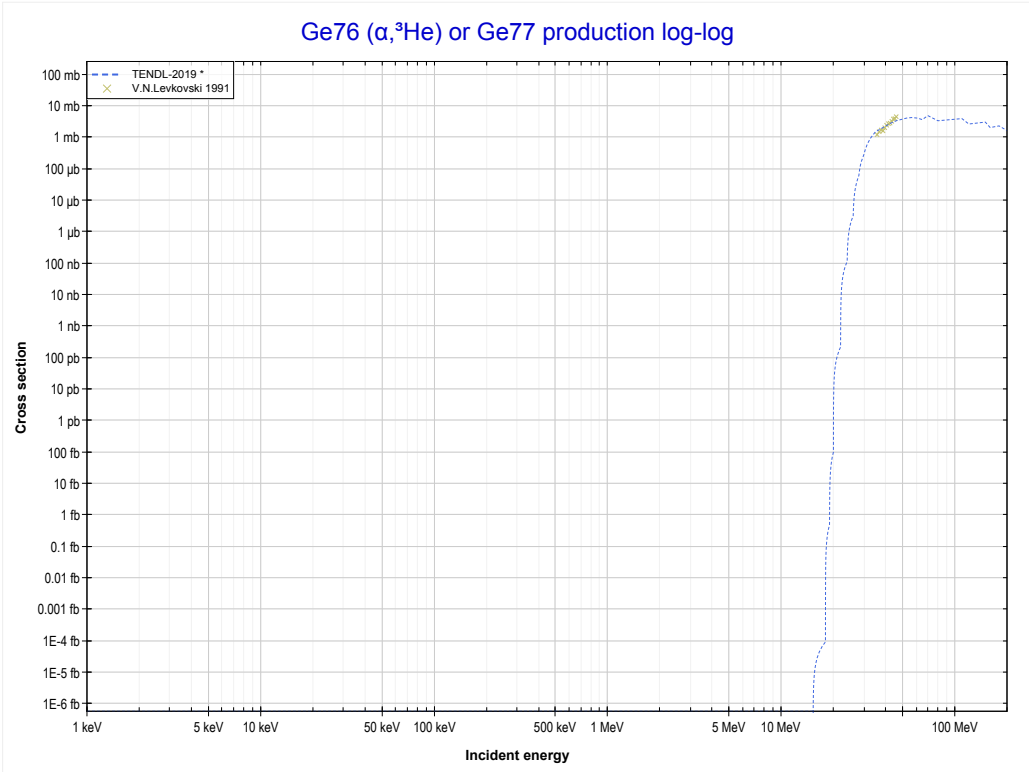
Reaction	Q-Value
Ge76(α,d)As78	-11106.70 keV
Ge76(α,n+p)As78	-13331.26 keV

<< 32-Ge-73	32-Ge-76	34-Se-74 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (As77 production)	MT106 (α, ³ He) >>



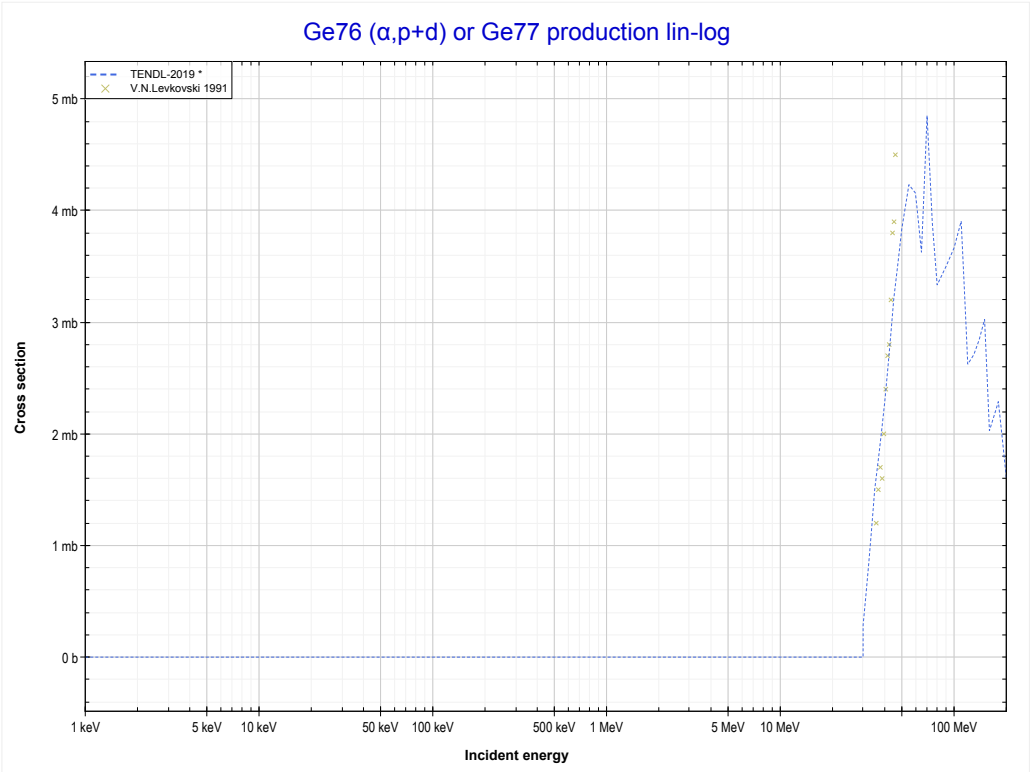
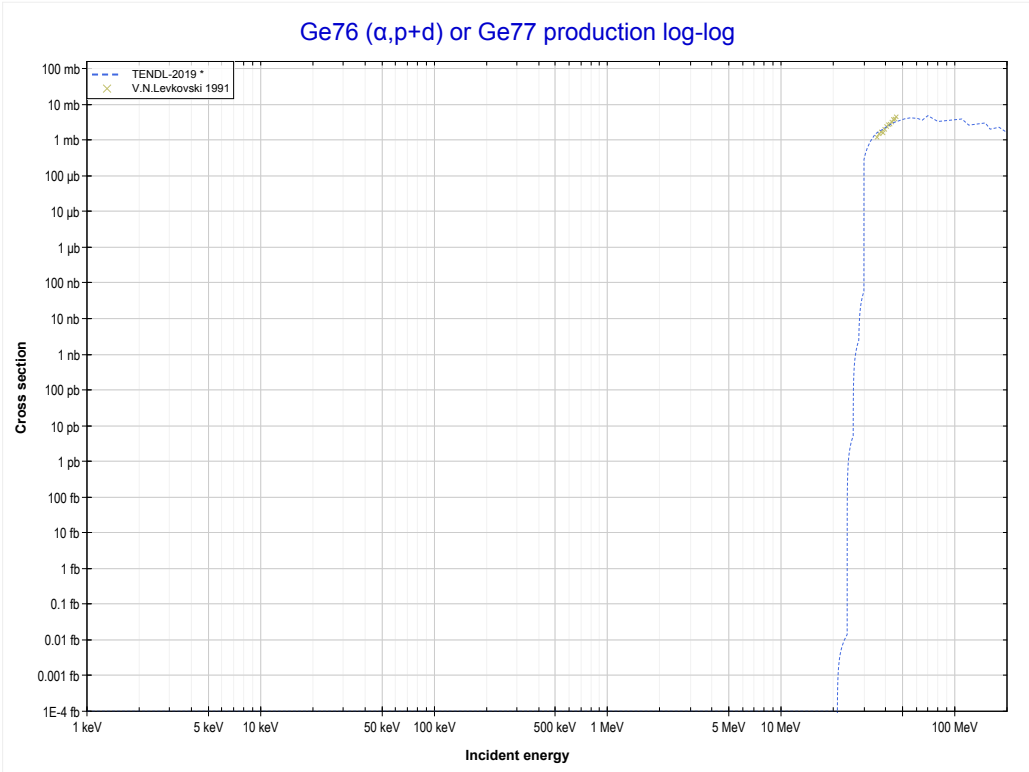
Reaction	Q-Value
Ge76(α,t)As77	-11821.48 keV
Ge76(α,n+d)As77	-18078.71 keV
Ge76(α,2n+p)As77	-20303.28 keV

<< 29-Cu-63	32-Ge-76	34-Se-74 >>
<< MT105 (α,t)	MT106 (α, ³ He) or MT5 (Ge77 production)	MT115 (α,p+d) >>



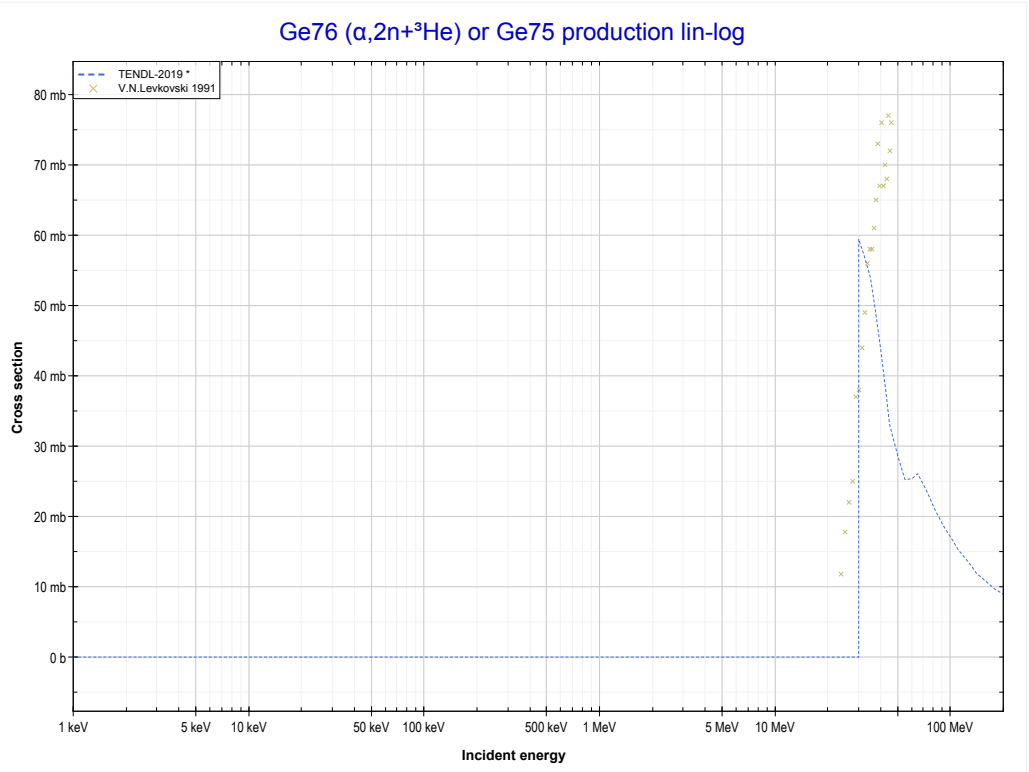
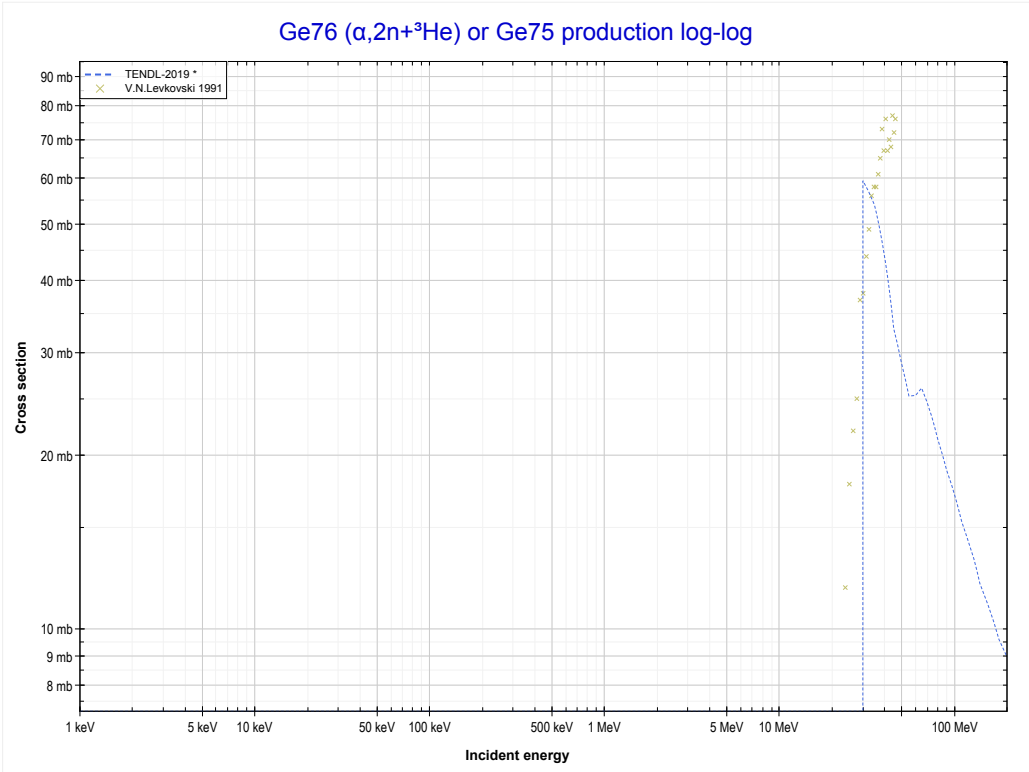
Reaction	Q-Value
Ge76(α,He3)Ge77	-14506.33 keV
Ge76(α,p+d)Ge77	-19999.81 keV
Ge76(α,n+2p)Ge77	-22224.37 keV

<< 29-Cu-63	32-Ge-76	34-Se-74 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Ge77 production)	MT176 (α ,2n+ ^3He) >>



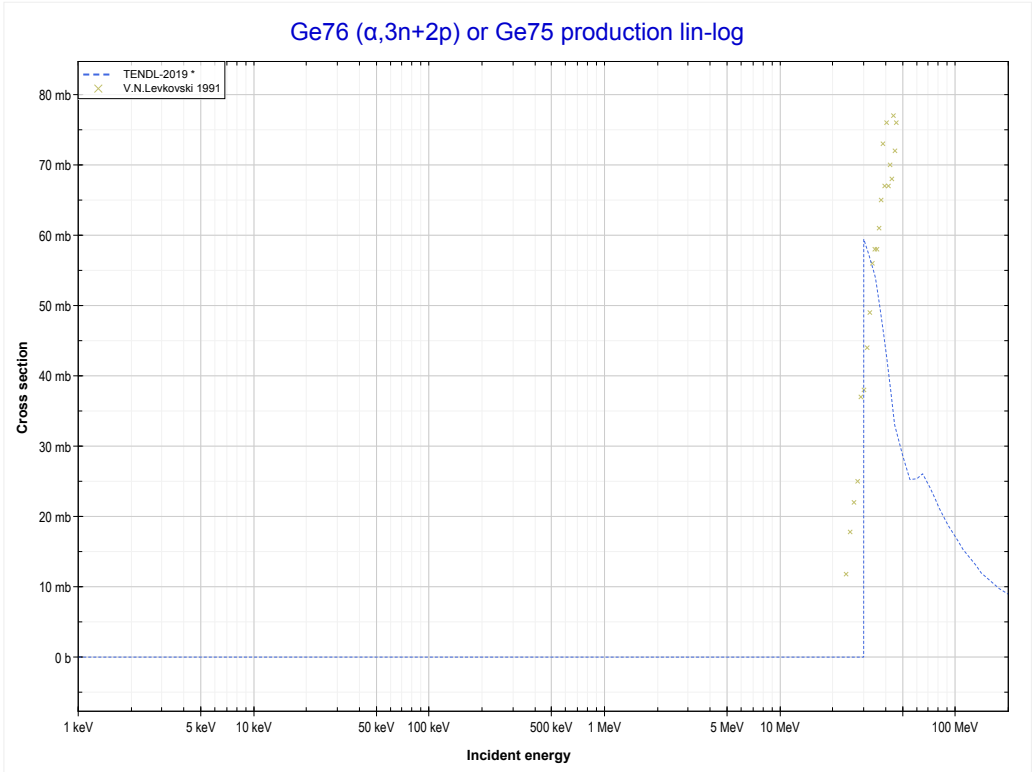
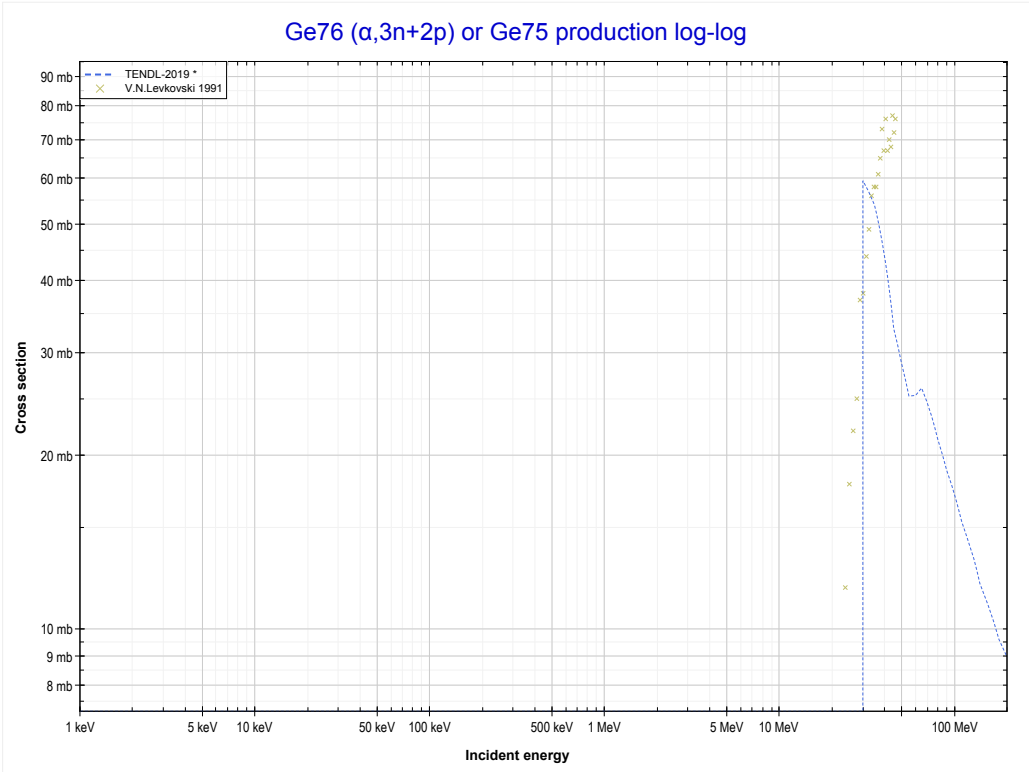
Reaction	Q-Value
Ge76(α ,He3)Ge77	-14506.33 keV
Ge76(α ,p+d)Ge77	-19999.81 keV
Ge76(α ,n+2p)Ge77	-22224.37 keV

<< 32-Ge-70	32-Ge-76	33-As-75 >>
<< MT115 (α,p+d)	MT176 (α,2n+ ³ He) or MT5 (Ge75 production)	MT179 (α,3n+2p) >>



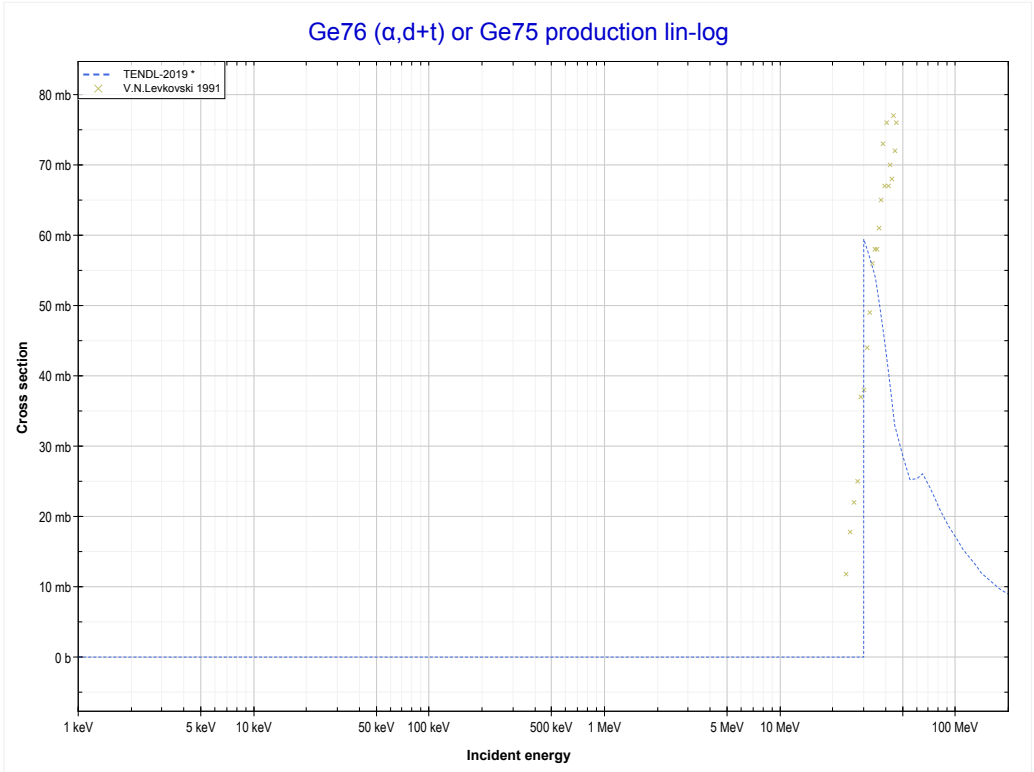
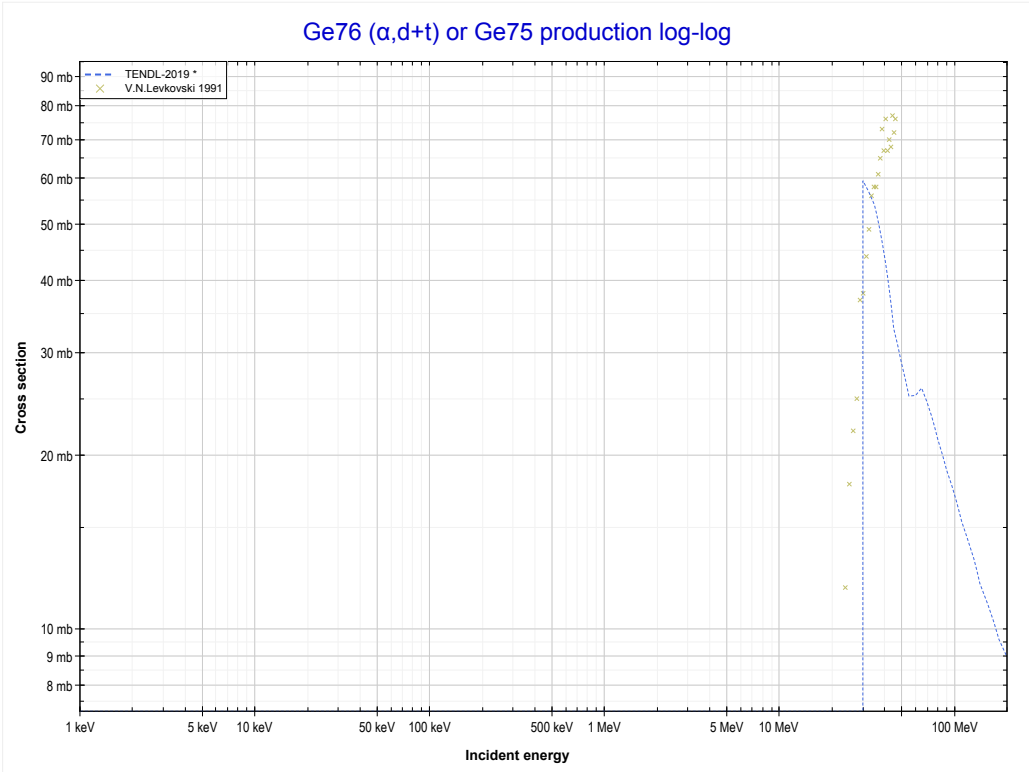
Reaction	Q-Value
Ge76(α,n+α)Ge75	-9427.25 keV
Ge76(α,d+t)Ge75	-27016.54 keV
Ge76(α,n+p+t)Ge75	-29241.11 keV
Ge76(α,2n+He3)Ge75	-30004.87 keV
Ge76(α,n+2d)Ge75	-33273.77 keV
Ge76(α,2n+p+d)Ge75	-35498.34 keV
Ge76(α,3n+2p)Ge75	-37722.91 keV

<< 32-Ge-70	32-Ge-76	33-As-75 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Ge75 production)	MT182 ($\alpha,d+t$) >>



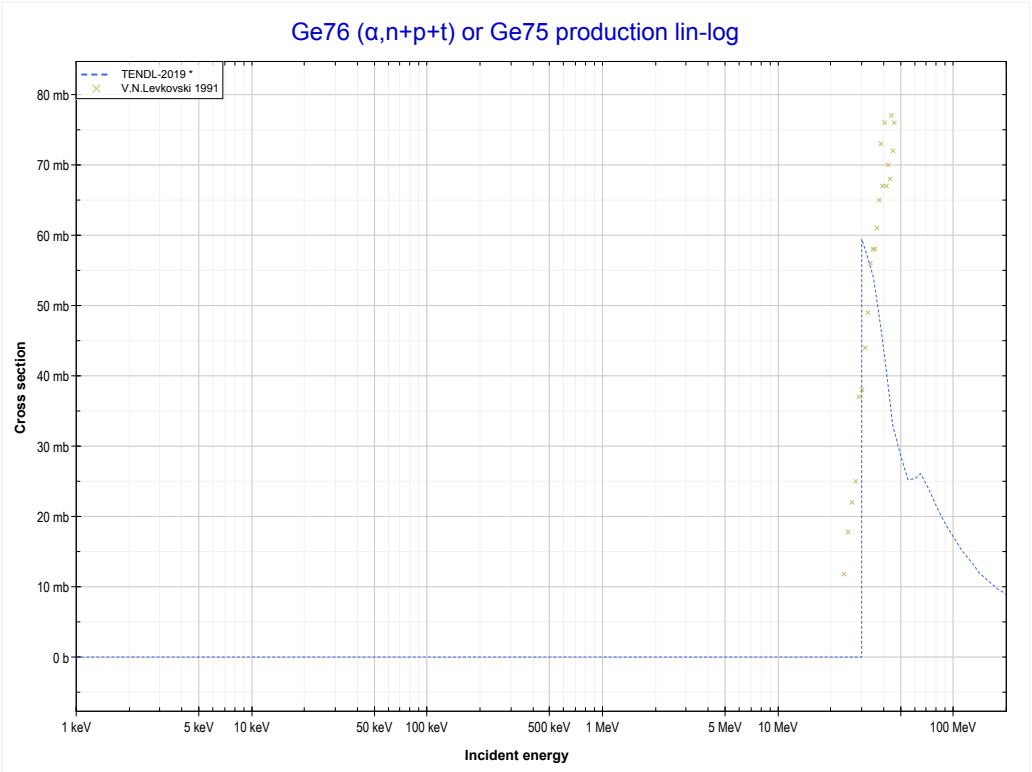
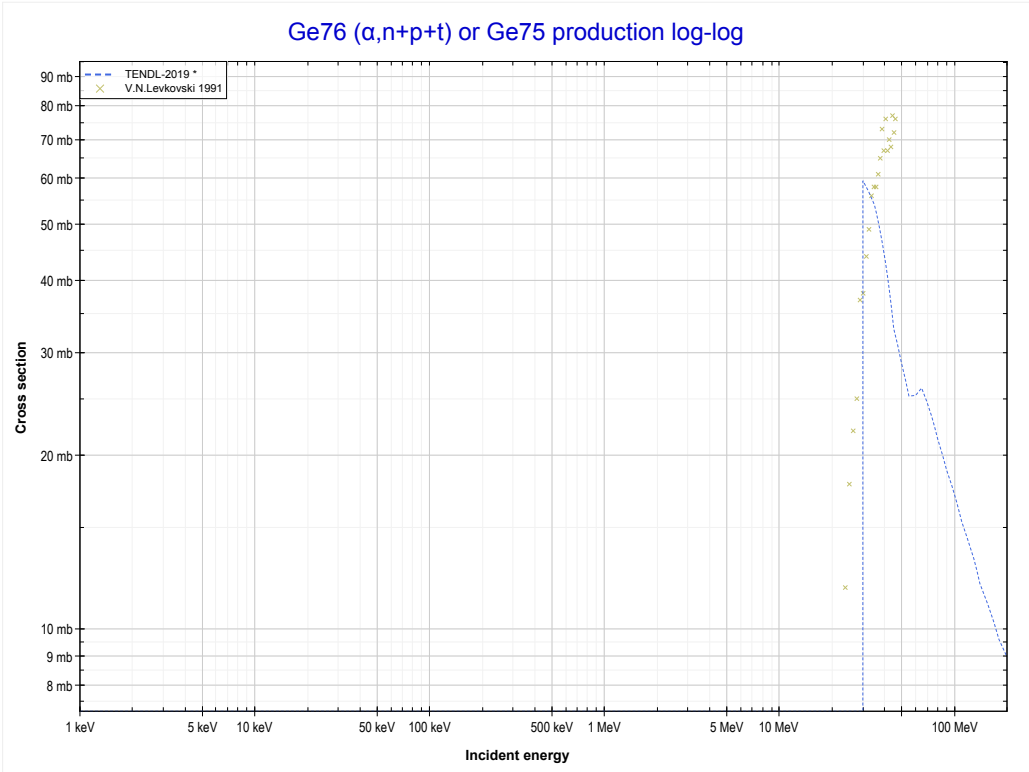
Reaction	Q-Value
Ge76($\alpha,n+\alpha$)Ge75	-9427.25 keV
Ge76($\alpha,d+t$)Ge75	-27016.54 keV
Ge76($\alpha,n+p+t$)Ge75	-29241.11 keV
Ge76($\alpha,2n+\text{He3}$)Ge75	-30004.87 keV
Ge76($\alpha,n+2d$)Ge75	-33273.77 keV
Ge76($\alpha,2n+p+d$)Ge75	-35498.34 keV
Ge76($\alpha,3n+2p$)Ge75	-37722.91 keV

<< 32-Ge-70	32-Ge-76	33-As-75 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Ge75 production)	MT184 ($\alpha,n+p+t$) >>



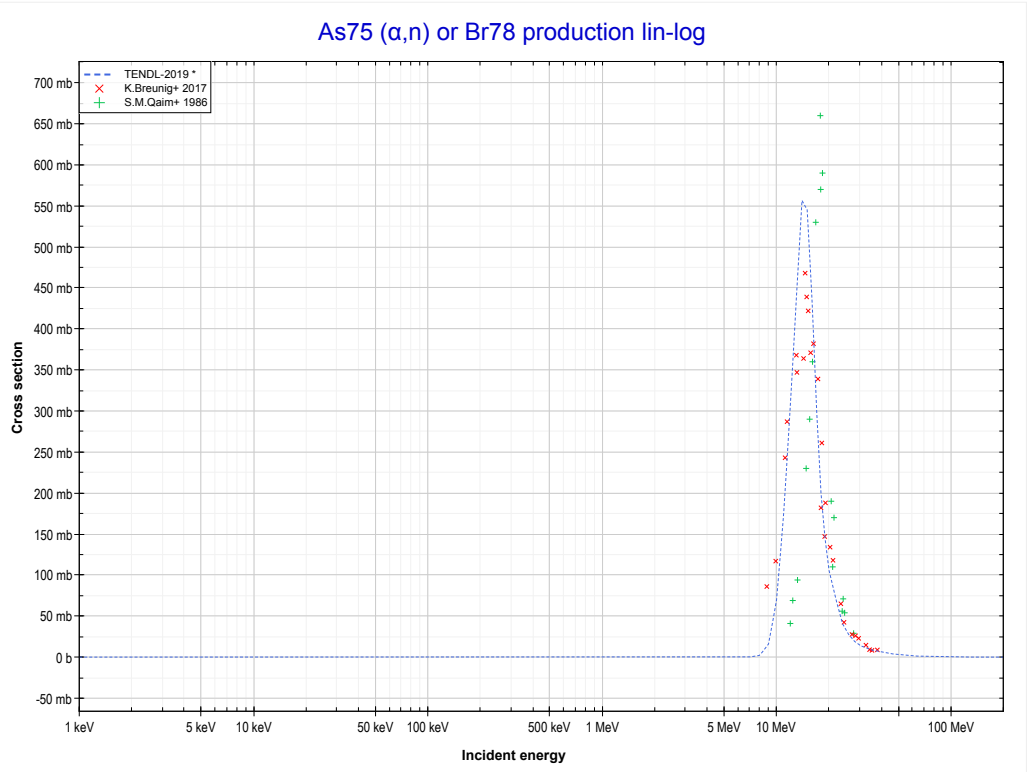
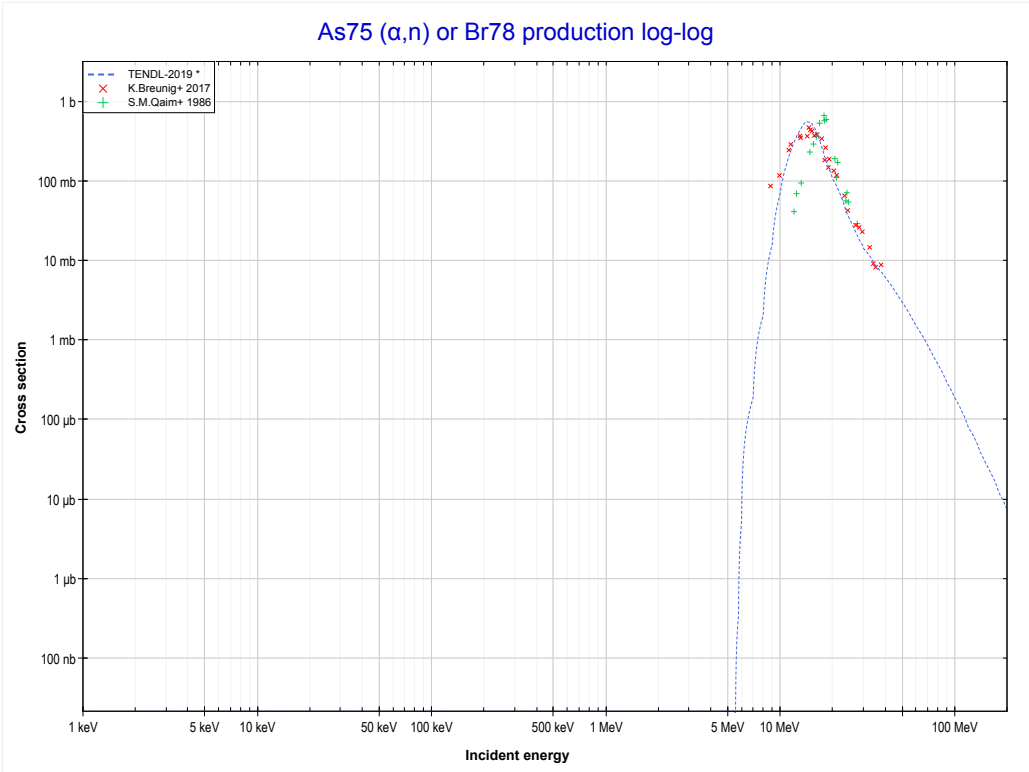
Reaction	Q-Value
Ge76($\alpha,n+\alpha$)Ge75	-9427.25 keV
Ge76($\alpha,d+t$)Ge75	-27016.54 keV
Ge76($\alpha,n+p+t$)Ge75	-29241.11 keV
Ge76($\alpha,2n+He3$)Ge75	-30004.87 keV
Ge76($\alpha,n+2d$)Ge75	-33273.77 keV
Ge76($\alpha,2n+p+d$)Ge75	-35498.34 keV
Ge76($\alpha,3n+2p$)Ge75	-37722.91 keV

<< 32-Ge-70	32-Ge-76	33-As-75 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Ge75 production)	33-As-75 MT4 (α,n) >>



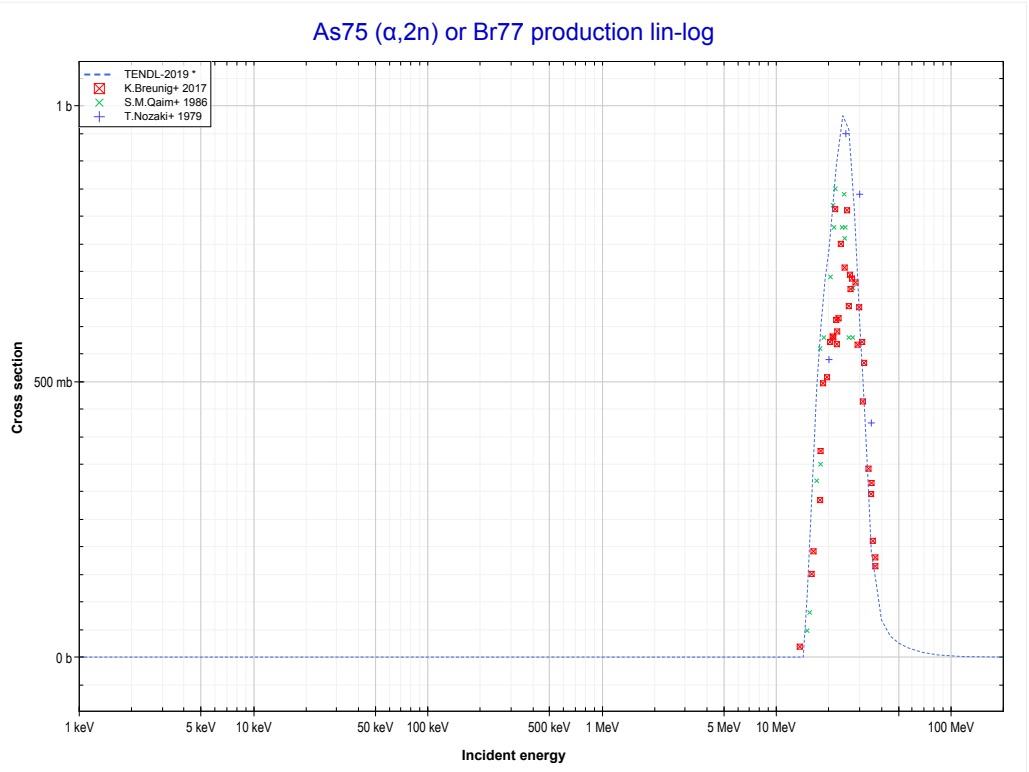
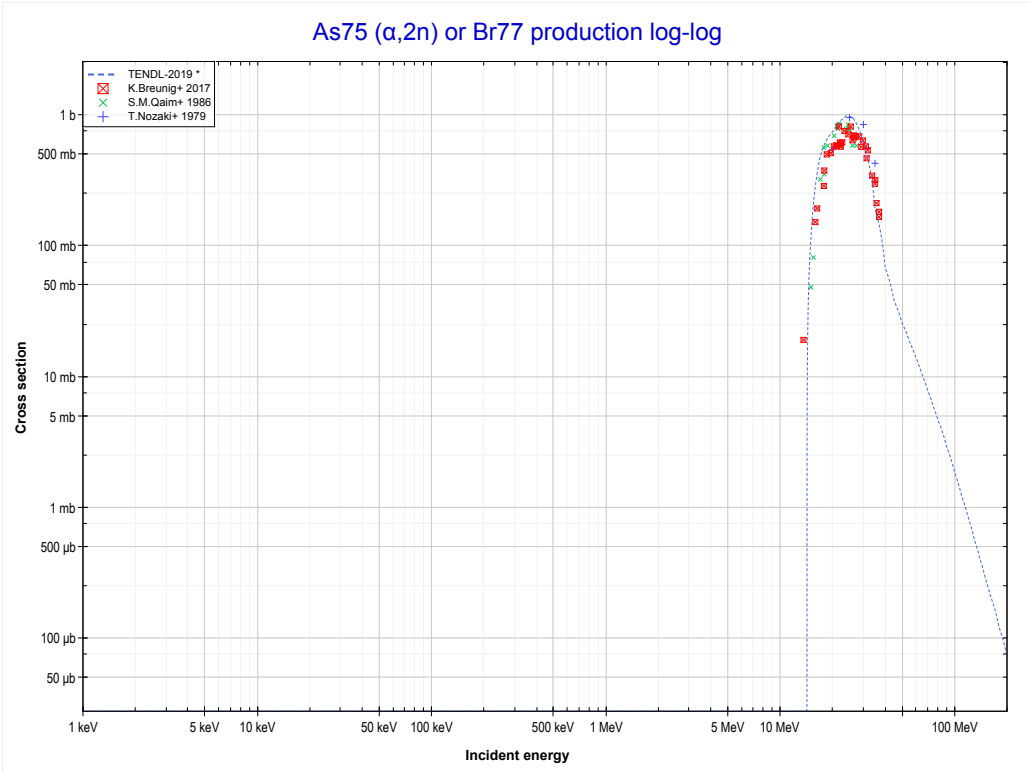
Reaction	Q-Value
Ge76(α,n+α)Ge75	-9427.25 keV
Ge76(α,d+t)Ge75	-27016.54 keV
Ge76(α,n+p+t)Ge75	-29241.11 keV
Ge76(α,2n+He3)Ge75	-30004.87 keV
Ge76(α,n+2d)Ge75	-33273.77 keV
Ge76(α,2n+p+d)Ge75	-35498.34 keV
Ge76(α,3n+2p)Ge75	-37722.91 keV

<< 32-Ge-72	33-As-75	34-Se-74 >>
<< 32-Ge-76 MT184 (α ,n+p+t)	MT4 (α ,n) or MT5 (Br78 production)	MT16 (α ,2n) >>



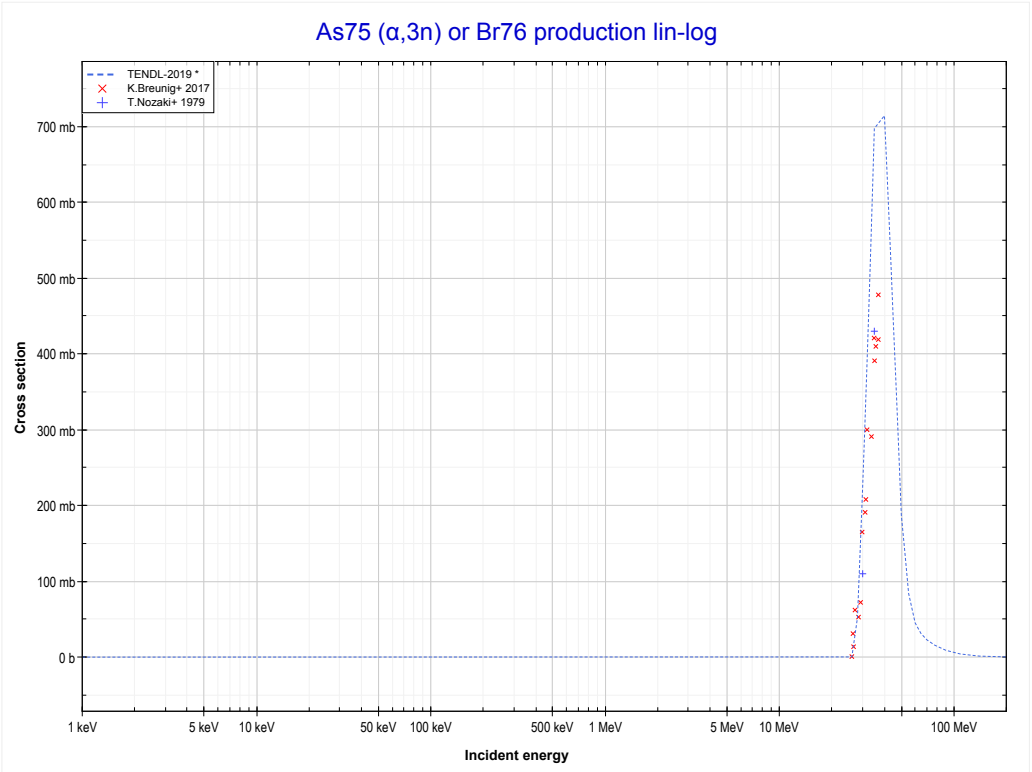
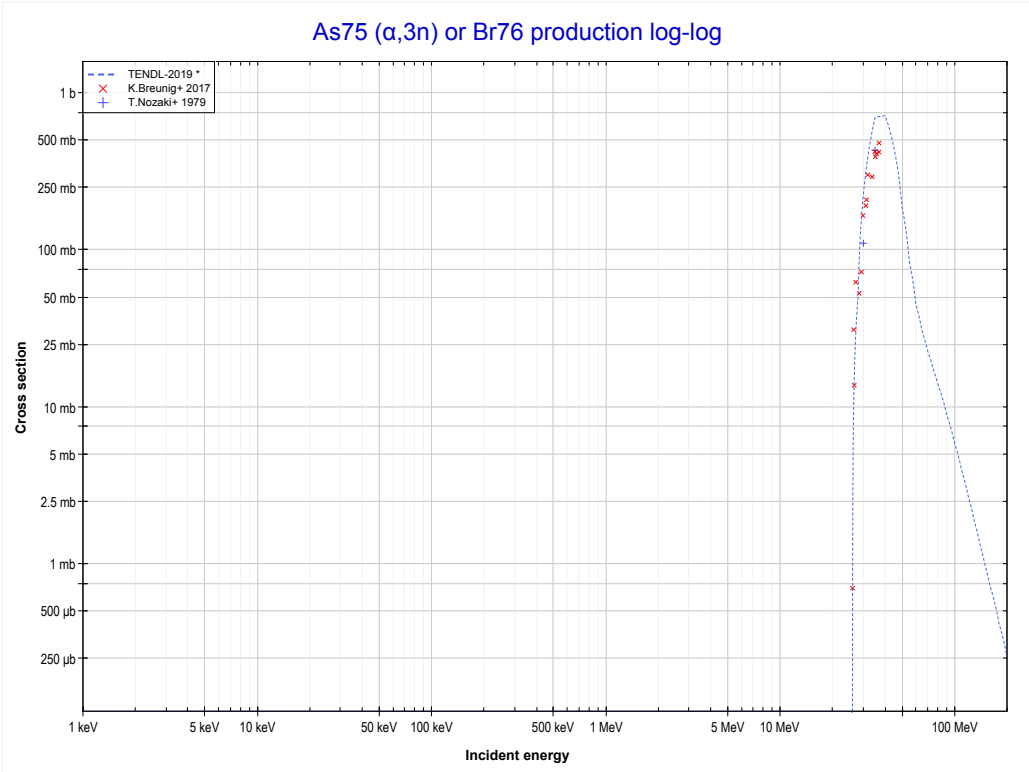
Reaction	Q-Value
As75(α ,n)Br78	-5228.60 keV

<< 32-Ge-73	33-As-75	34-Se-74 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Br77 production)	MT17 (α,3n) >>



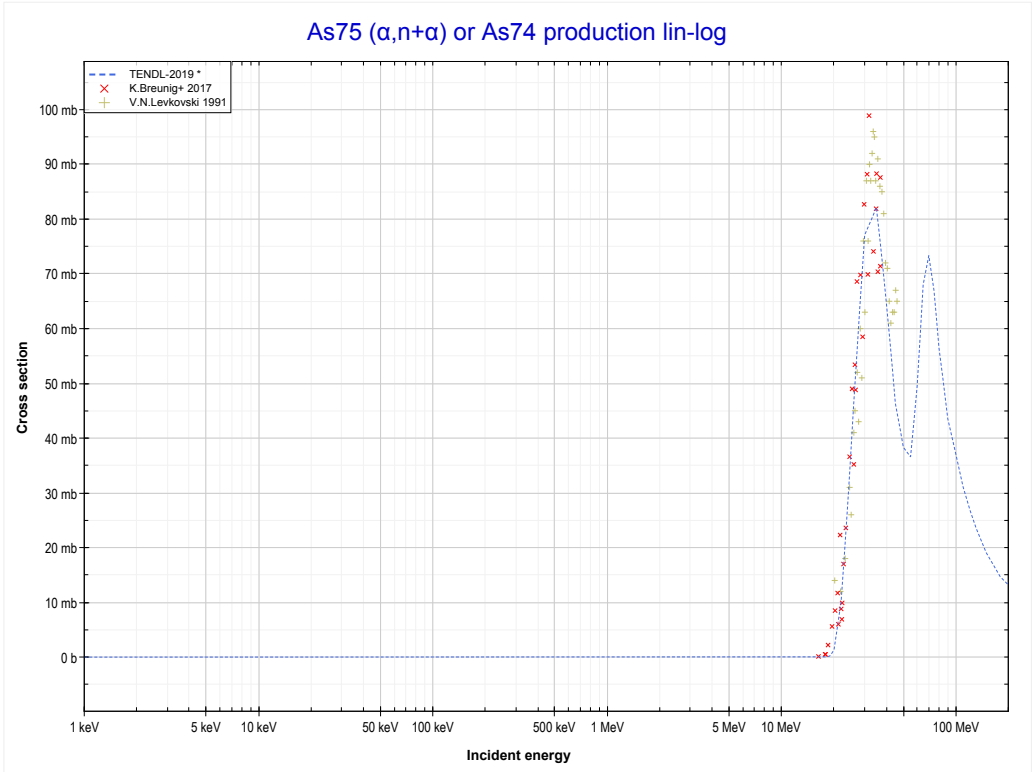
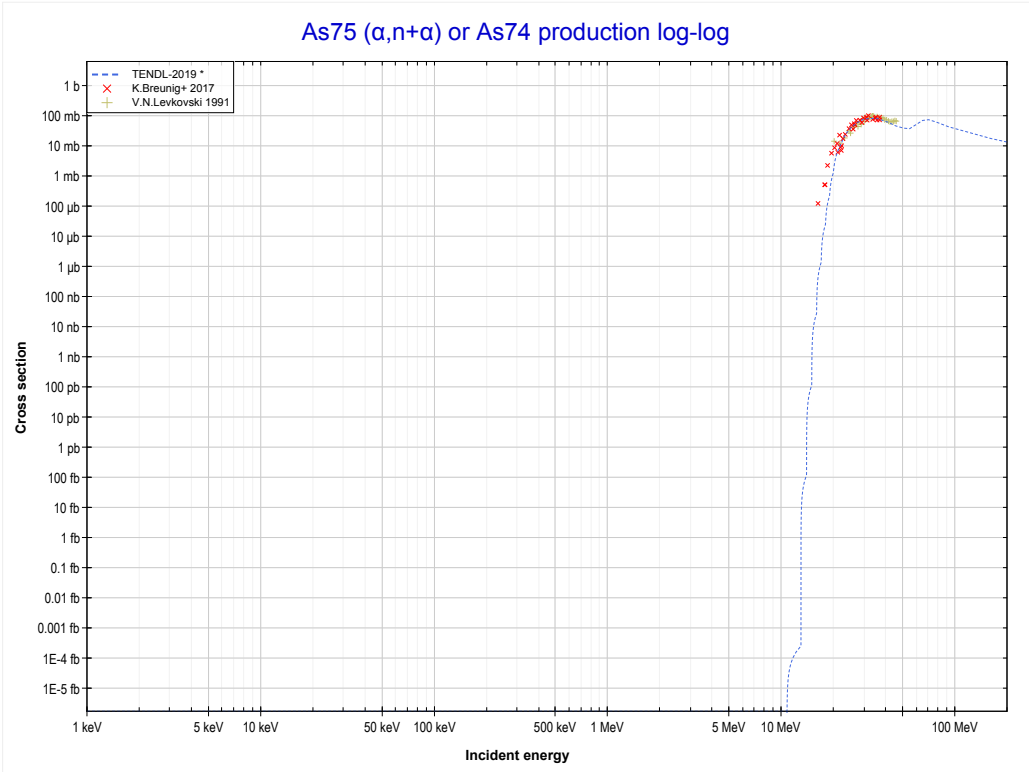
Reaction	Q-Value
As75(α,2n)Br77	-13517.12 keV

<< 32-Ge-74	33-As-75	34-Se-76 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Br76 production)	MT22 ($\alpha,n+\alpha$) >>



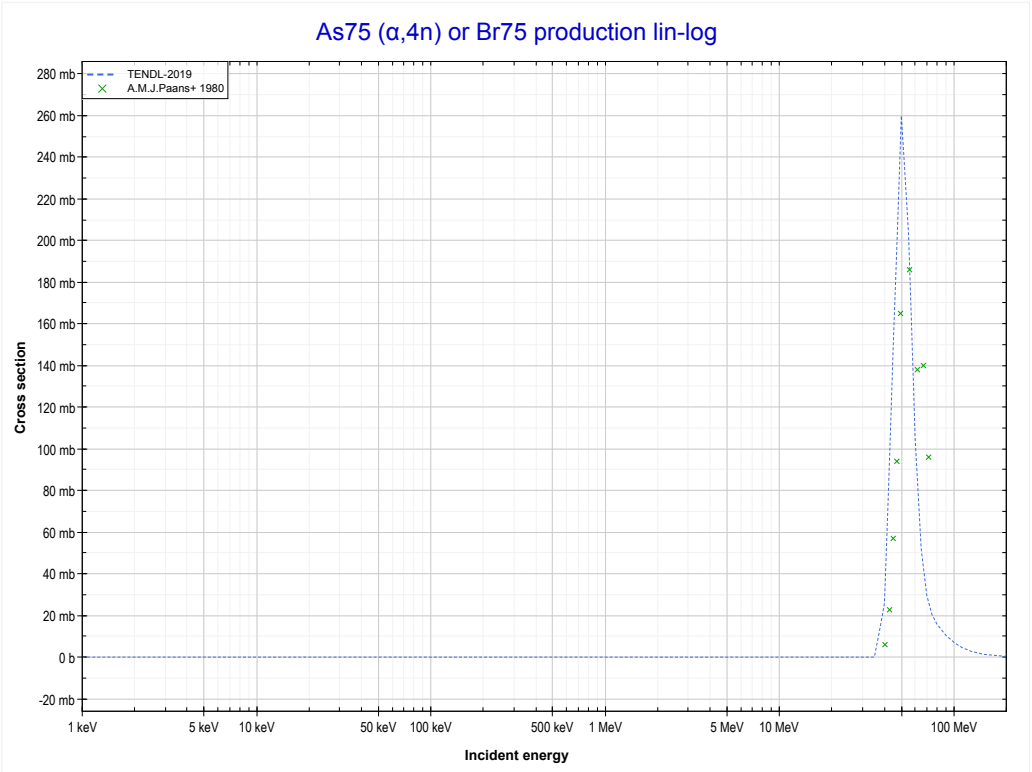
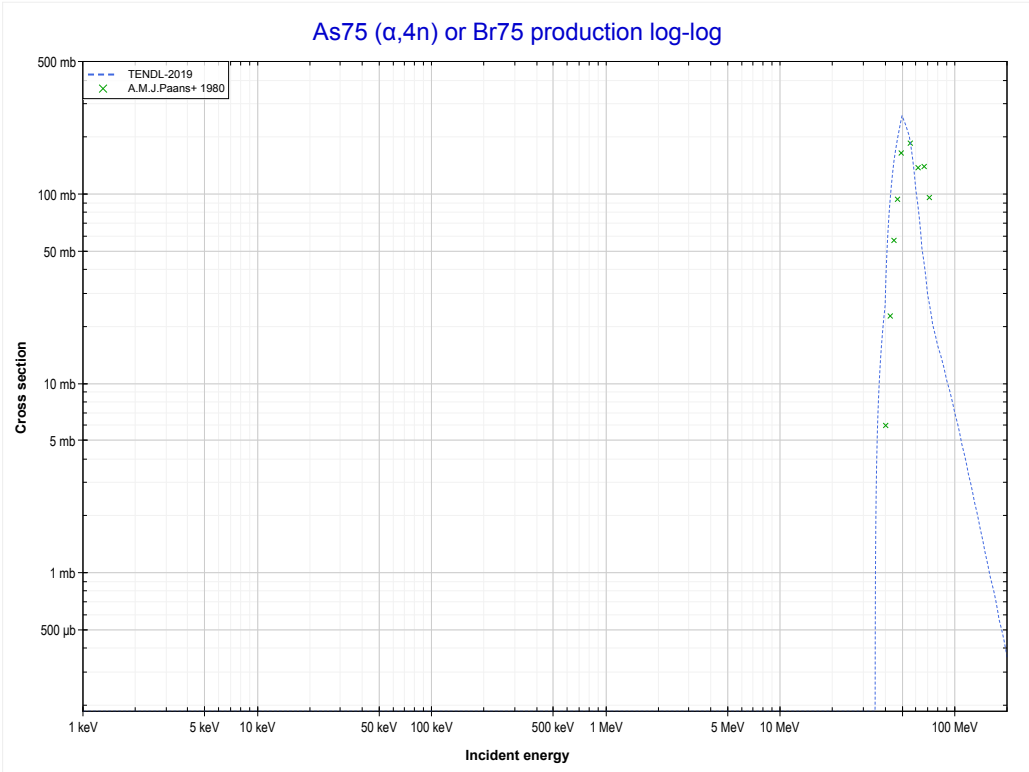
Reaction	Q-Value
As75($\alpha,3n$)Br76	-24534.24 keV

<< 32-Ge-76	33-As-75	34-Se-74 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (As74 production)	MT37 (α,4n) >>



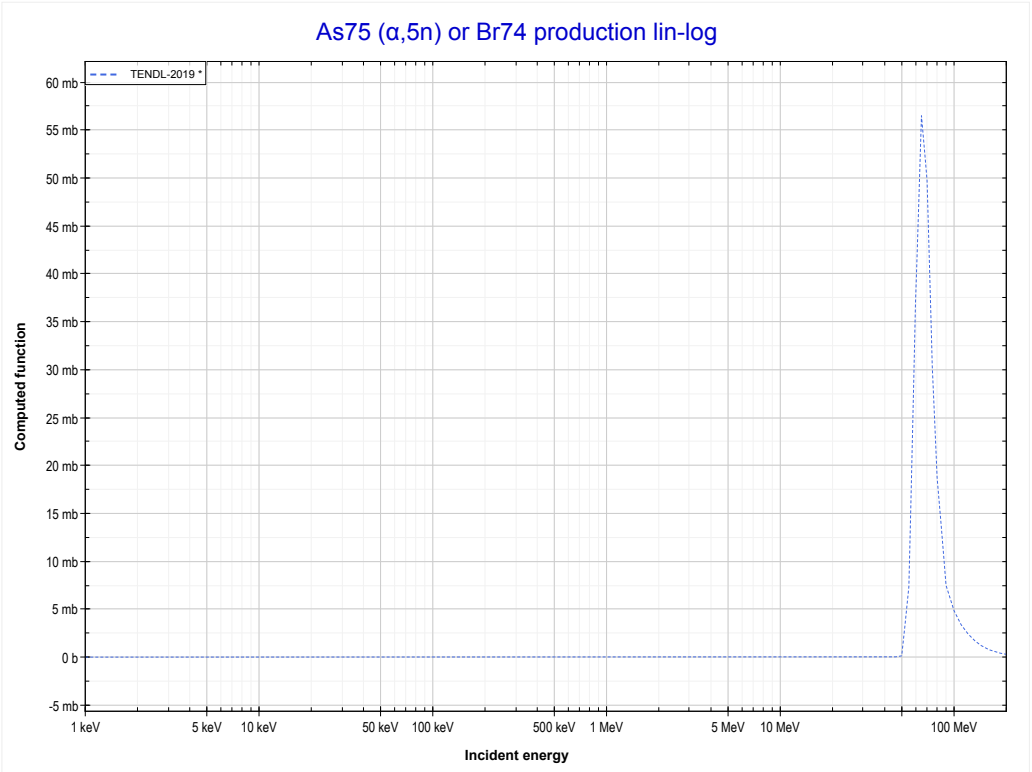
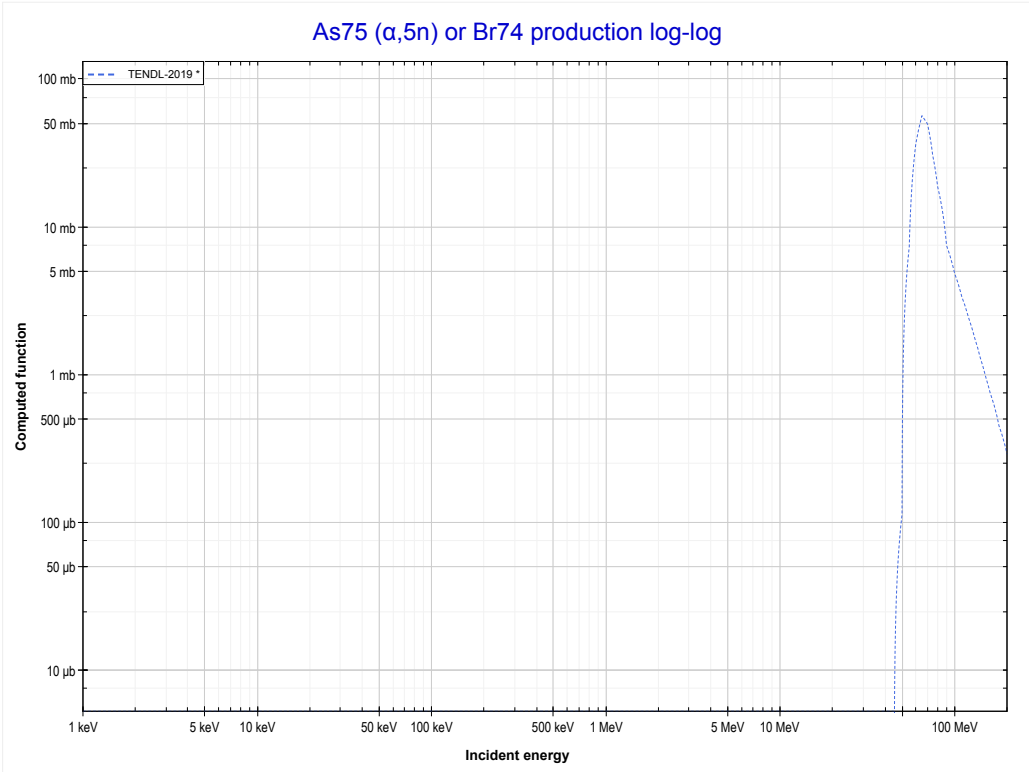
Reaction	Q-Value
As75(α,n+α)As74	-10245.42 keV
As75(α,d+t)As74	-27834.72 keV
As75(α,n+p+t)As74	-30059.28 keV
As75(α,2n+He3)As74	-30823.04 keV
As75(α,n+2d)As74	-34091.94 keV
As75(α,2n+p+d)As74	-36316.51 keV
As75(α,3n+2p)As74	-38541.08 keV

<< 32-Ge-73	33-As-75	35-Br-81 >>
<< MT22 ($\alpha,n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Br75 production)	MT152 ($\alpha,5n$) >>



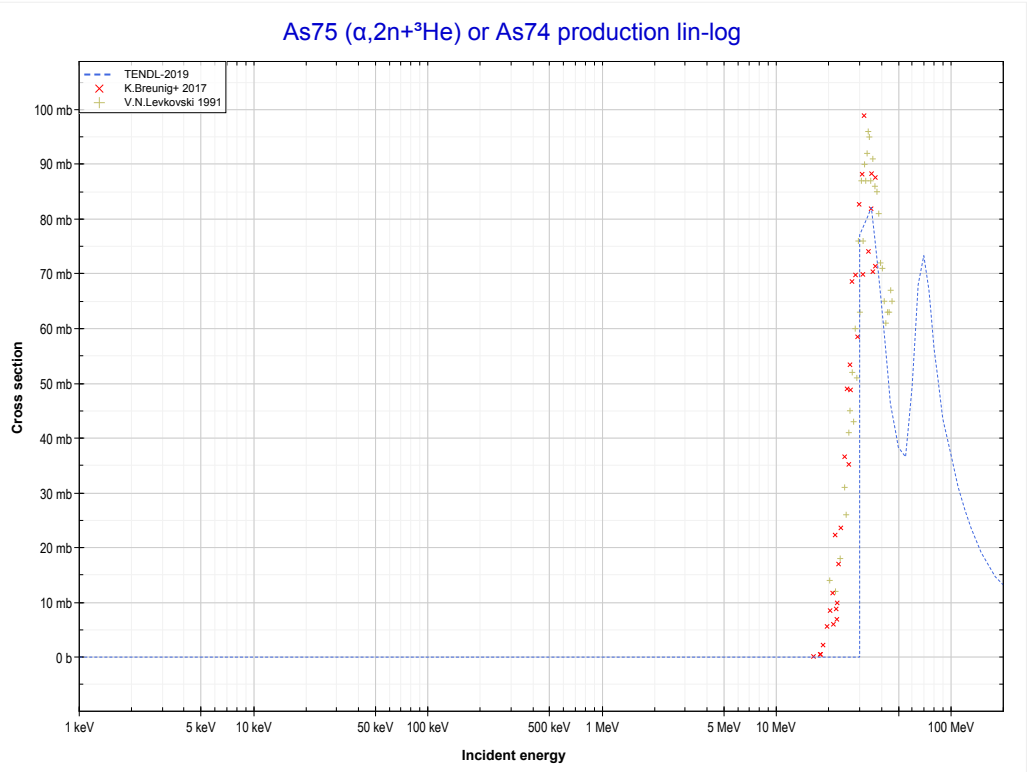
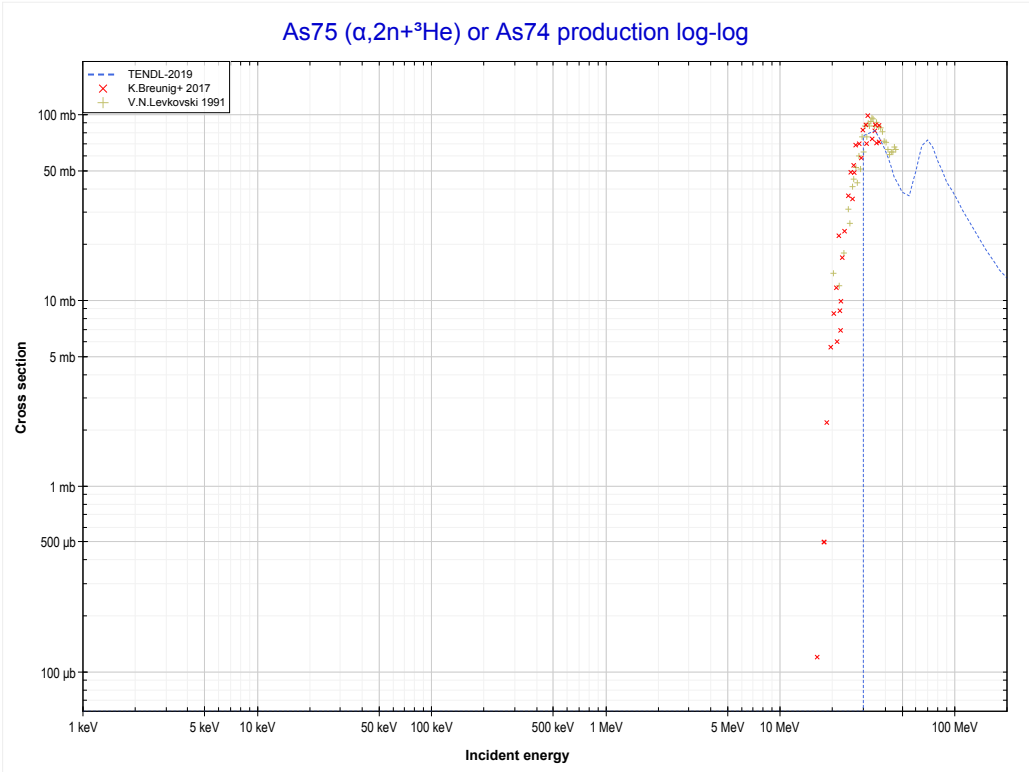
Reaction	Q-Value
As75($\alpha,4n$)Br75	-33787.55 keV

	33-As-75	36-Kr-83 >>
<< MT37 ($\alpha,4n$)	MT152 ($\alpha,5n$) or MT5 (Br74 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



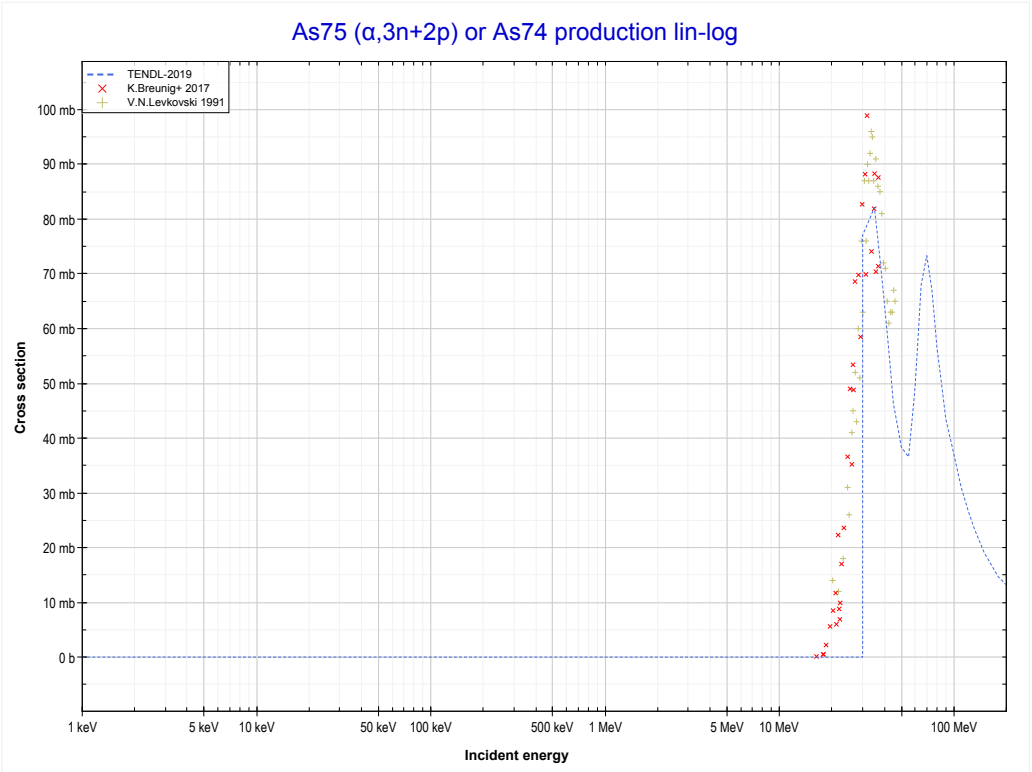
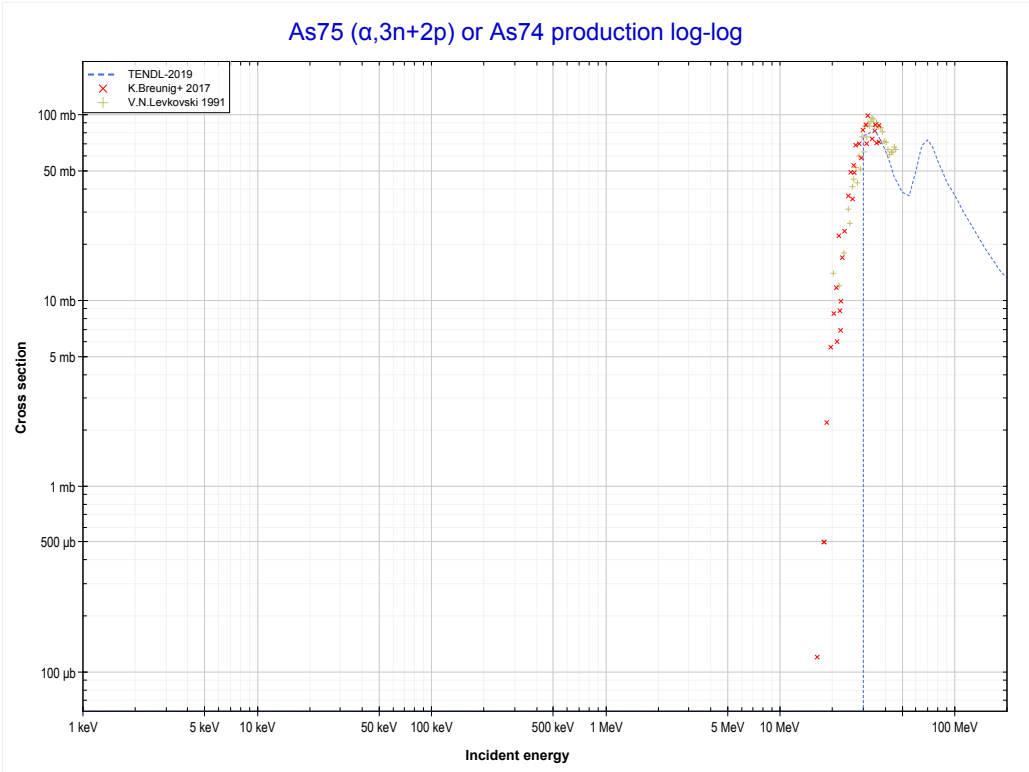
Reaction	Q-Value
As75($\alpha,5n$)Br74	-45677.87 keV

<< 32-Ge-76	33-As-75	34-Se-74 >>
<< MT152 (α,5n)	MT176 (α,2n+ ³ He) or MT5 (As74 production)	MT179 (α,3n+2p) >>



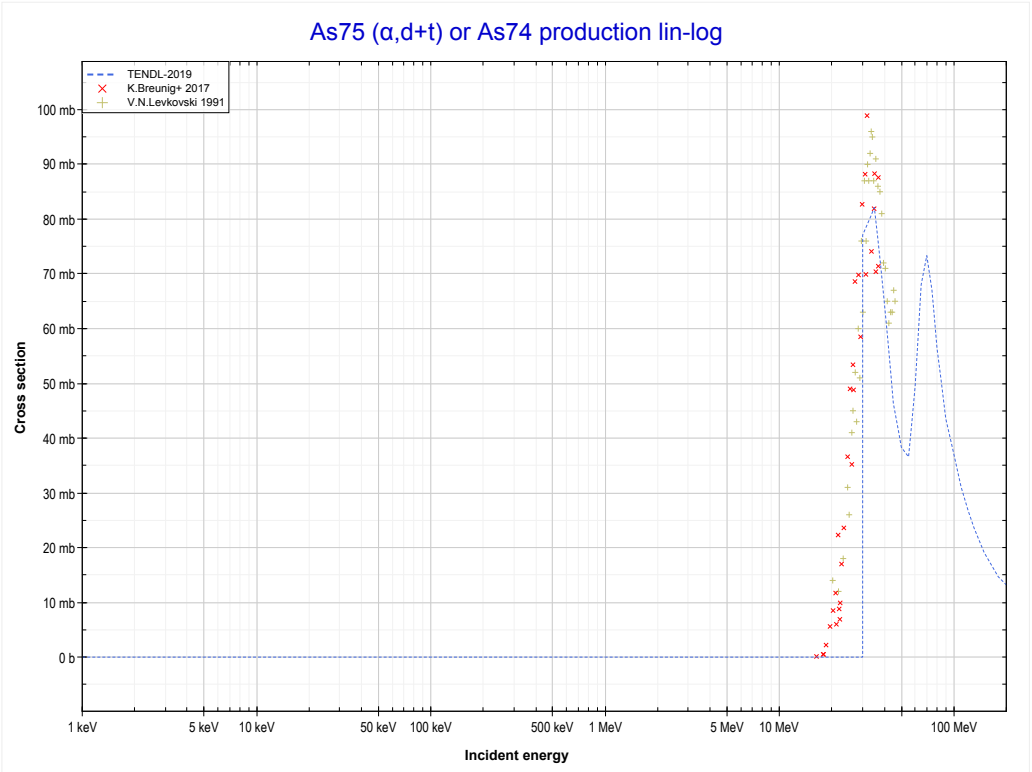
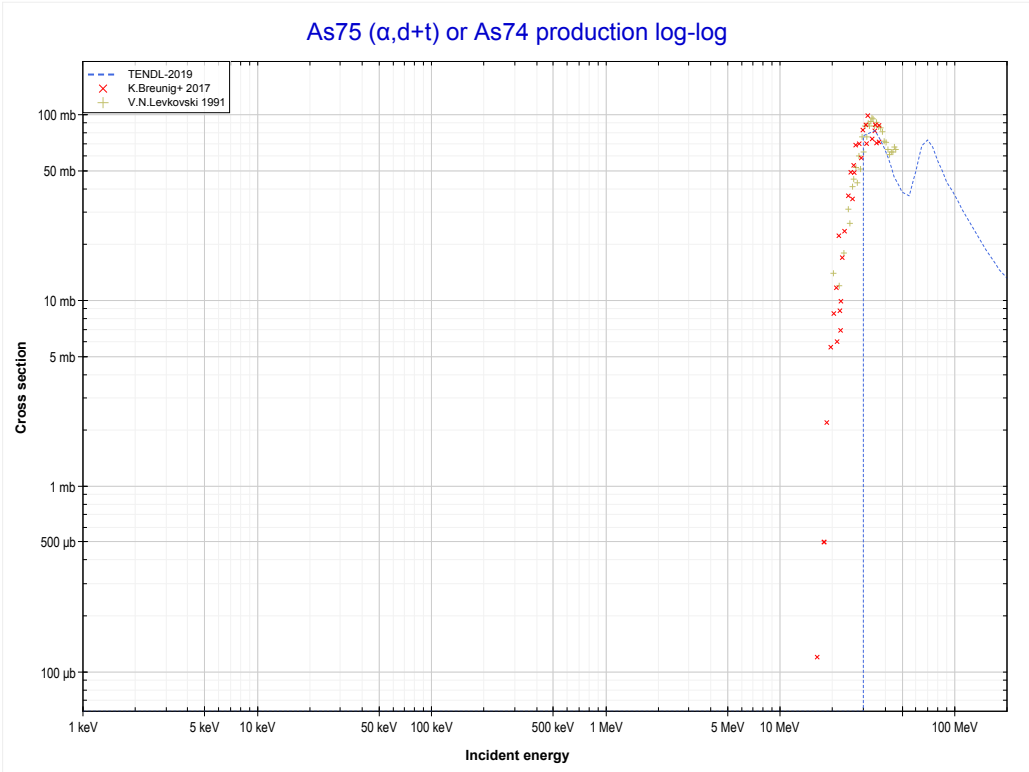
Reaction	Q-Value
As75(α,n+α)As74	-10245.42 keV
As75(α,d+t)As74	-27834.72 keV
As75(α,n+p+t)As74	-30059.28 keV
As75(α,2n+He3)As74	-30823.04 keV
As75(α,n+2d)As74	-34091.94 keV
As75(α,2n+p+d)As74	-36316.51 keV
As75(α,3n+2p)As74	-38541.08 keV

<< 32-Ge-76	33-As-75	34-Se-74 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (As74 production)	MT182 ($\alpha,d+t$) >>



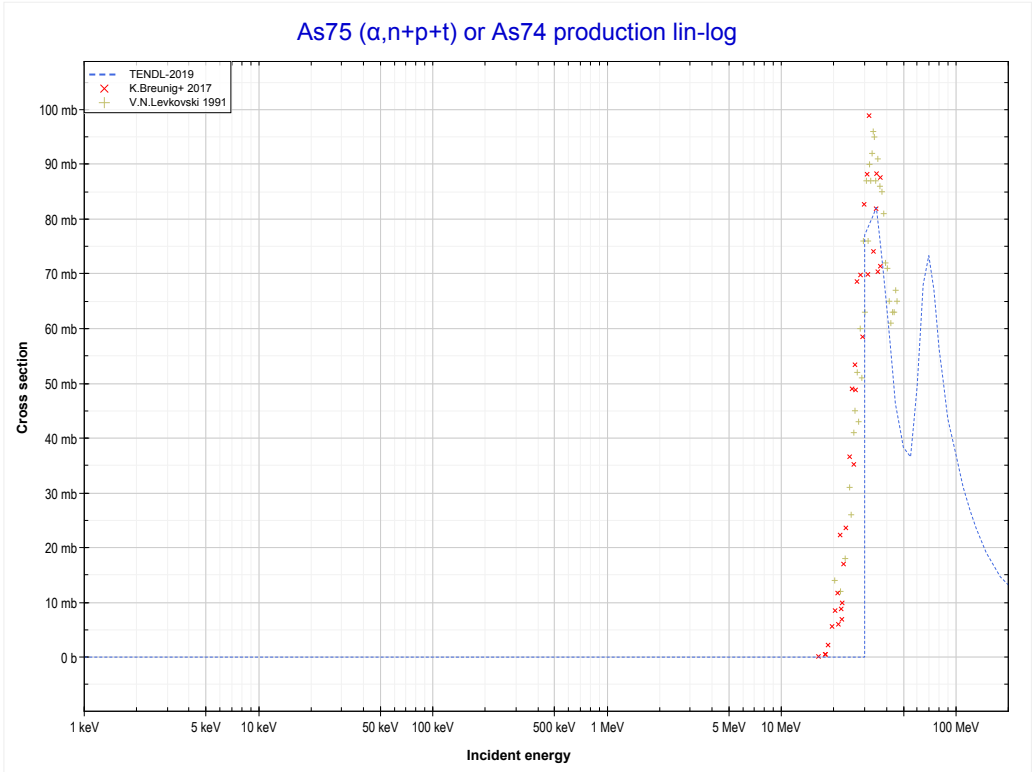
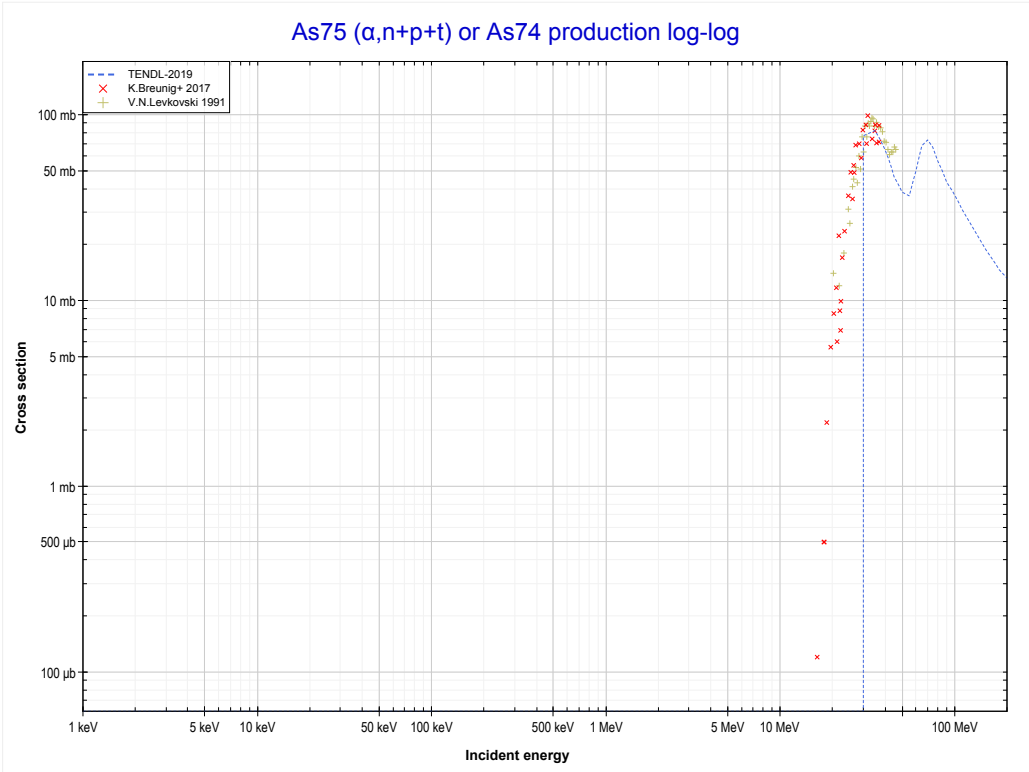
Reaction	Q-Value
As75($\alpha,n+\alpha$)As74	-10245.42 keV
As75($\alpha,d+t$)As74	-27834.72 keV
As75($\alpha,n+p+t$)As74	-30059.28 keV
As75($\alpha,2n+\text{He3}$)As74	-30823.04 keV
As75($\alpha,n+2d$)As74	-34091.94 keV
As75($\alpha,2n+p+d$)As74	-36316.51 keV
As75($\alpha,3n+2p$)As74	-38541.08 keV

<< 32-Ge-76	33-As-75	34-Se-74 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (As74 production)	MT184 ($\alpha,n+p+t$) >>



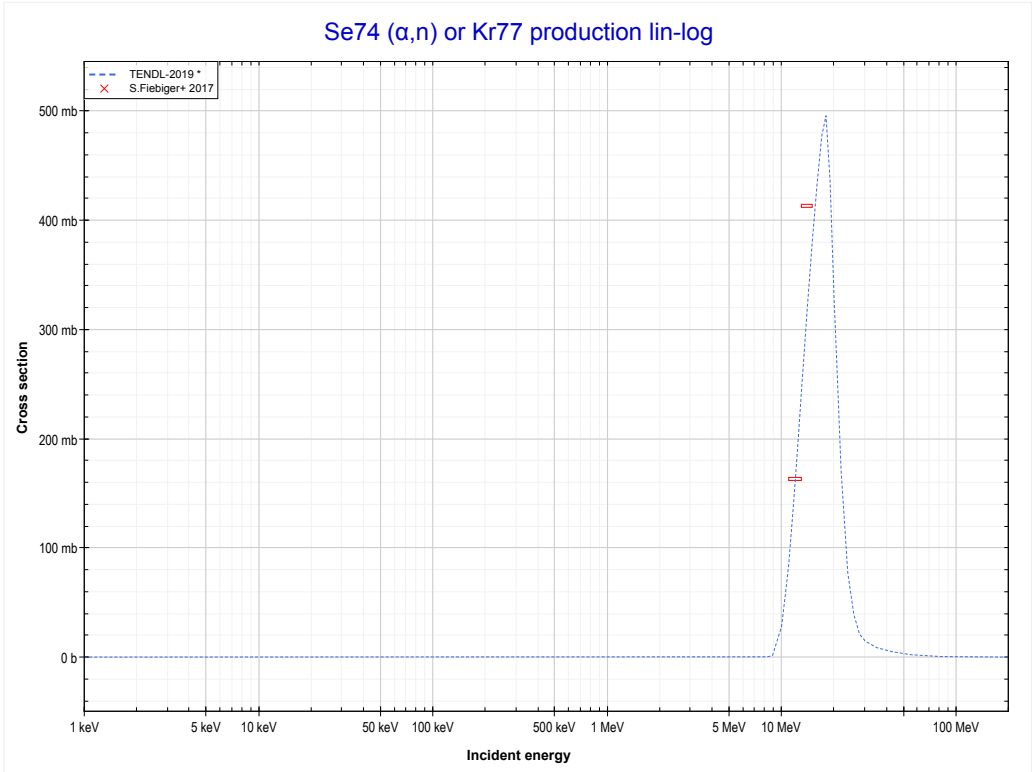
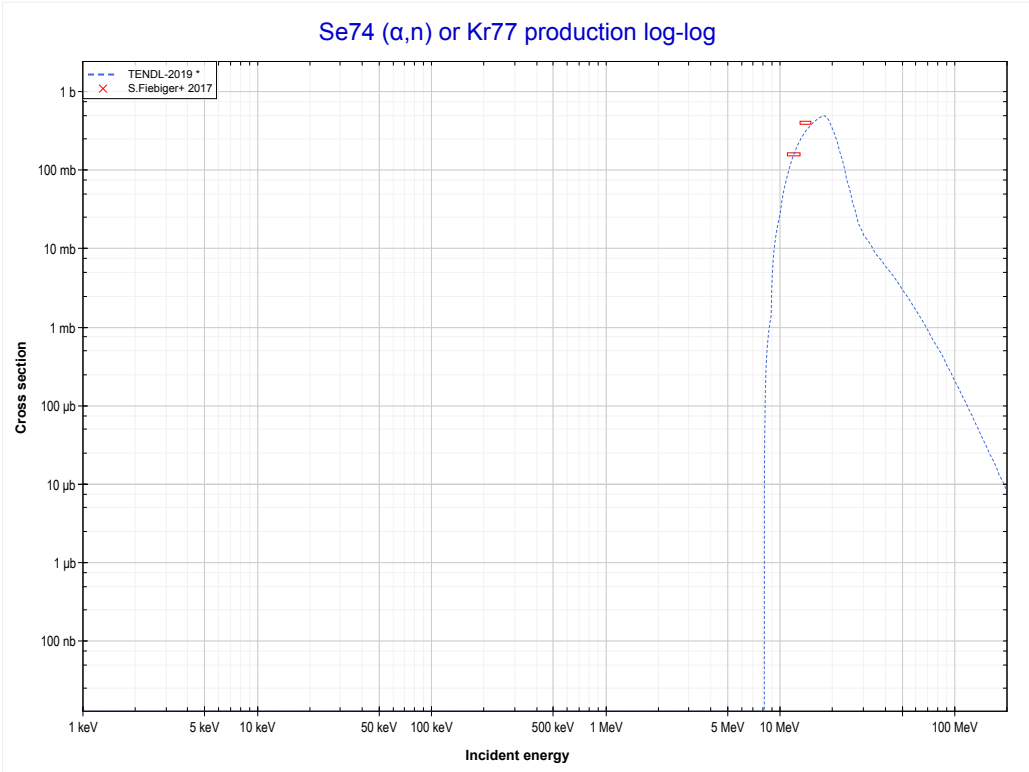
Reaction	Q-Value
As75($\alpha,n+\alpha$)As74	-10245.42 keV
As75($\alpha,d+t$)As74	-27834.72 keV
As75($\alpha,n+p+t$)As74	-30059.28 keV
As75($\alpha,2n+He3$)As74	-30823.04 keV
As75($\alpha,n+2d$)As74	-34091.94 keV
As75($\alpha,2n+p+d$)As74	-36316.51 keV
As75($\alpha,3n+2p$)As74	-38541.08 keV

<< 32-Ge-76	33-As-75	34-Se-74 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (As74 production)	34-Se-74 MT4 (α,n) >>



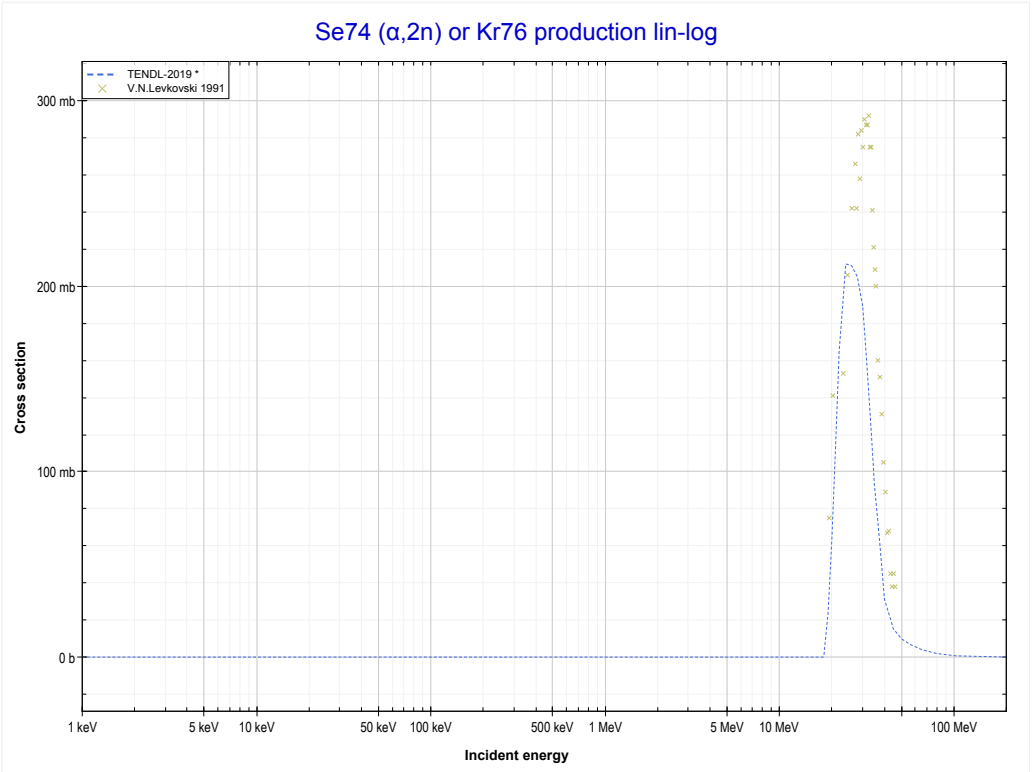
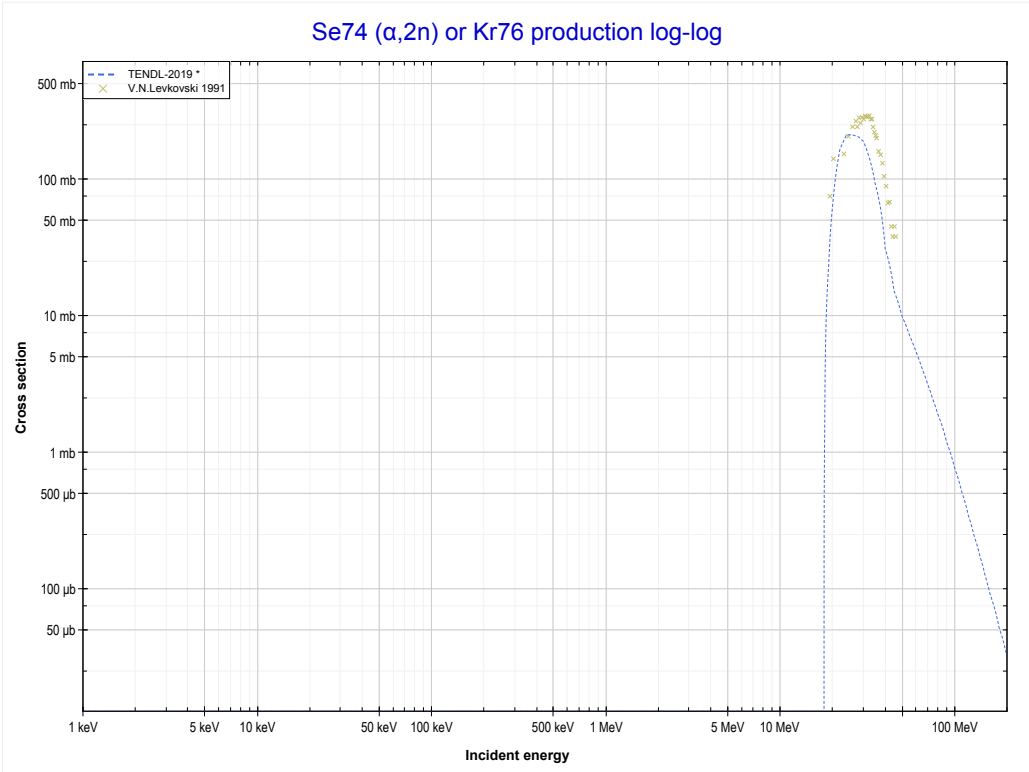
Reaction	Q-Value
As75(α,n+α)As74	-10245.42 keV
As75(α,d+t)As74	-27834.72 keV
As75(α,n+p+t)As74	-30059.28 keV
As75(α,2n+He3)As74	-30823.04 keV
As75(α,n+2d)As74	-34091.94 keV
As75(α,2n+p+d)As74	-36316.51 keV
As75(α,3n+2p)As74	-38541.08 keV

<< 33-As-75	34-Se-74	34-Se-76 >>
<< 33-As-75 MT184 (α ,n+p+t)	MT4 (α ,n) or MT5 (Kr77 production)	MT16 (α ,2n) >>



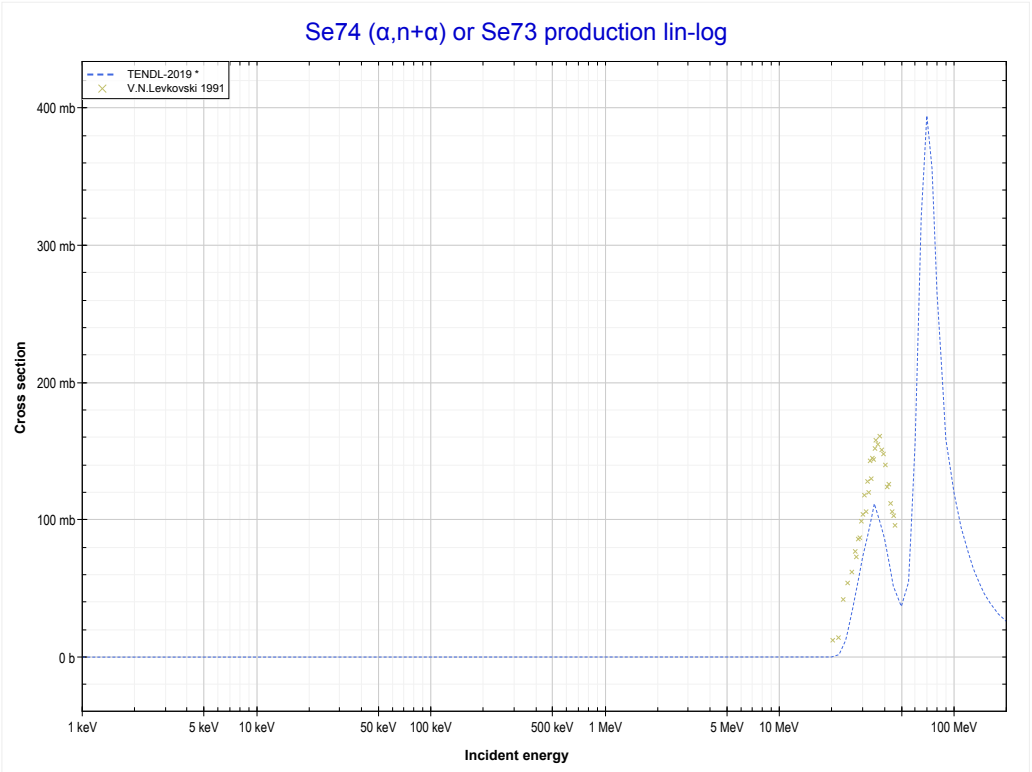
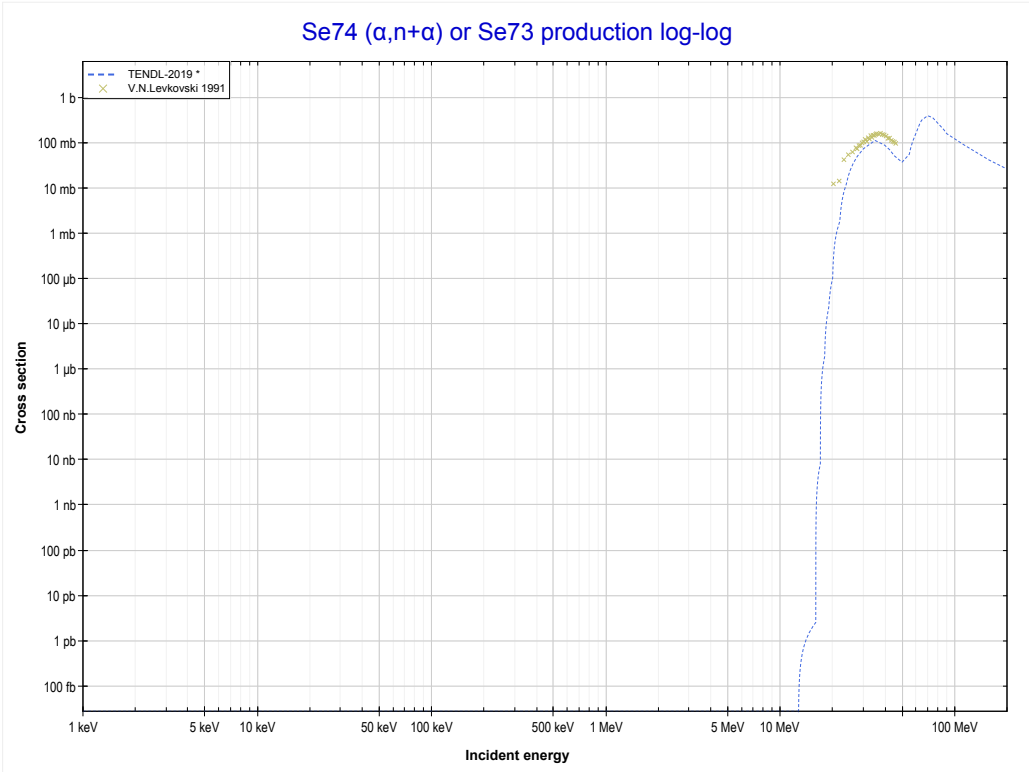
Reaction	Q-Value
Se74(α ,n)Kr77	-7690.20 keV

<< 33-As-75	34-Se-74	34-Se-77 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Kr76 production)	MT22 (α,n+α) >>



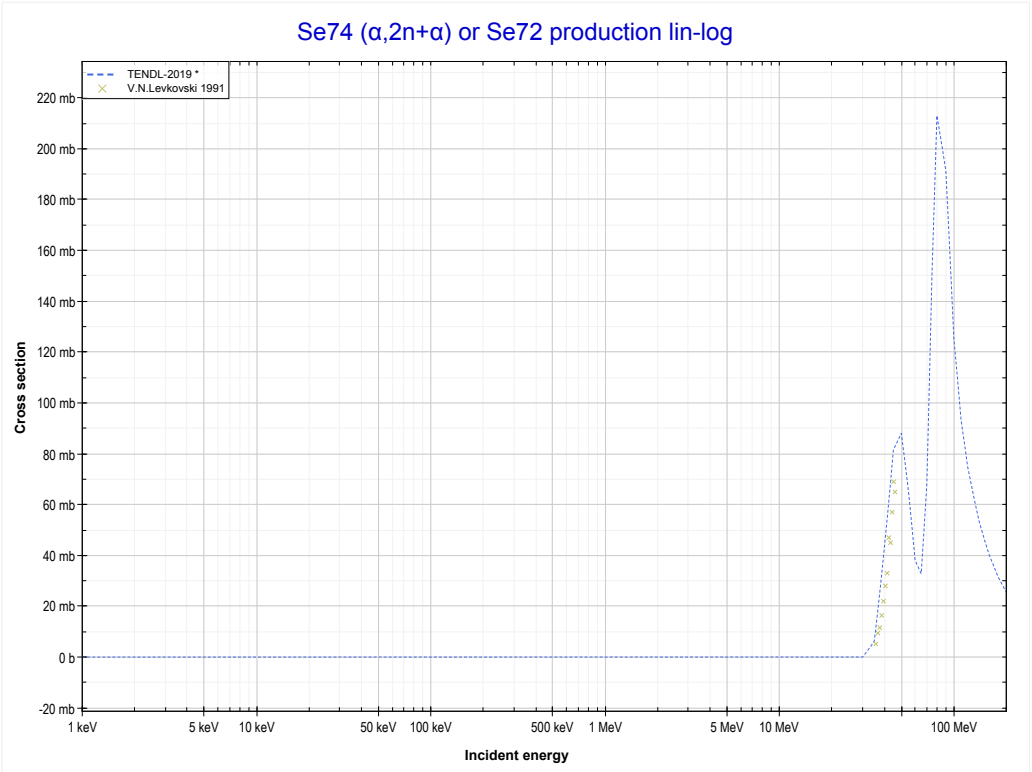
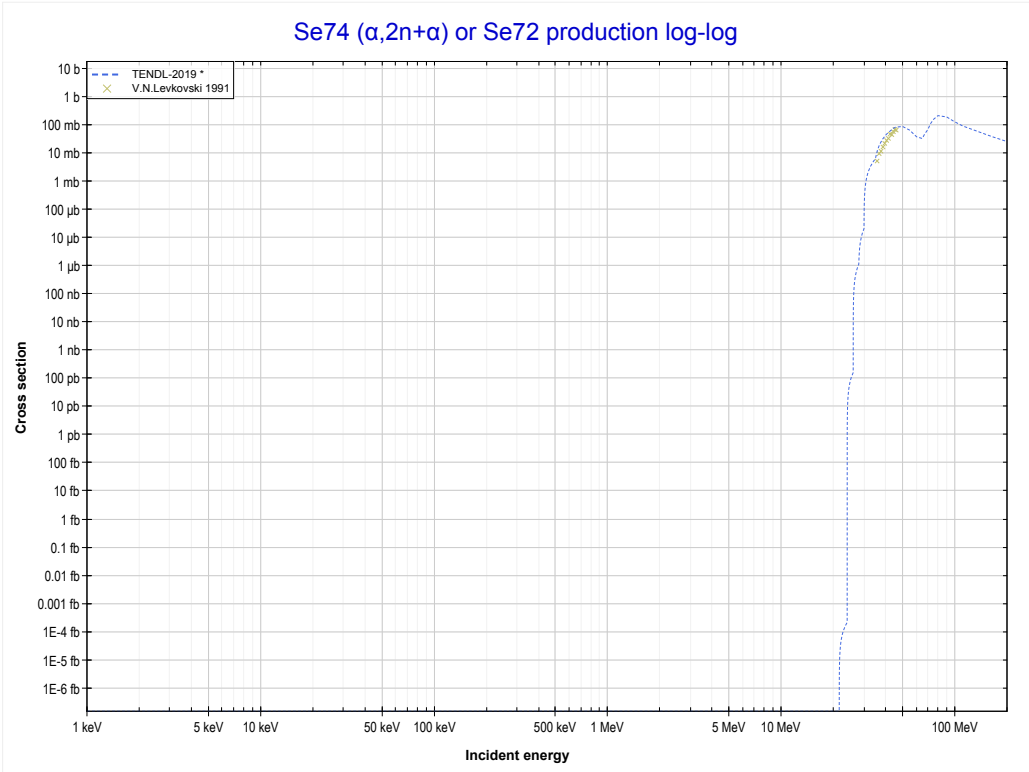
Reaction	Q-Value
Se74(α,2n)Kr76	-16916.92 keV

<< 33-As-75	34-Se-74	34-Se-76 >>
<< MT16 (α,2n)	MT22 (α,n+α) or MT5 (Se73 production)	MT24 (α,2n+α) >>



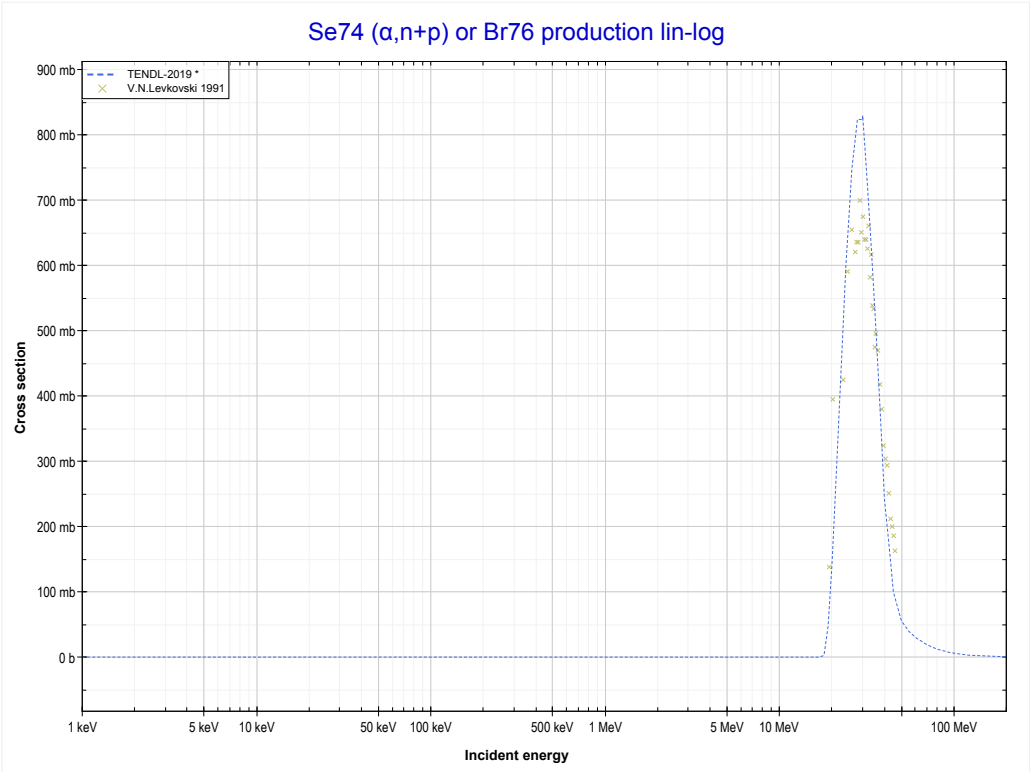
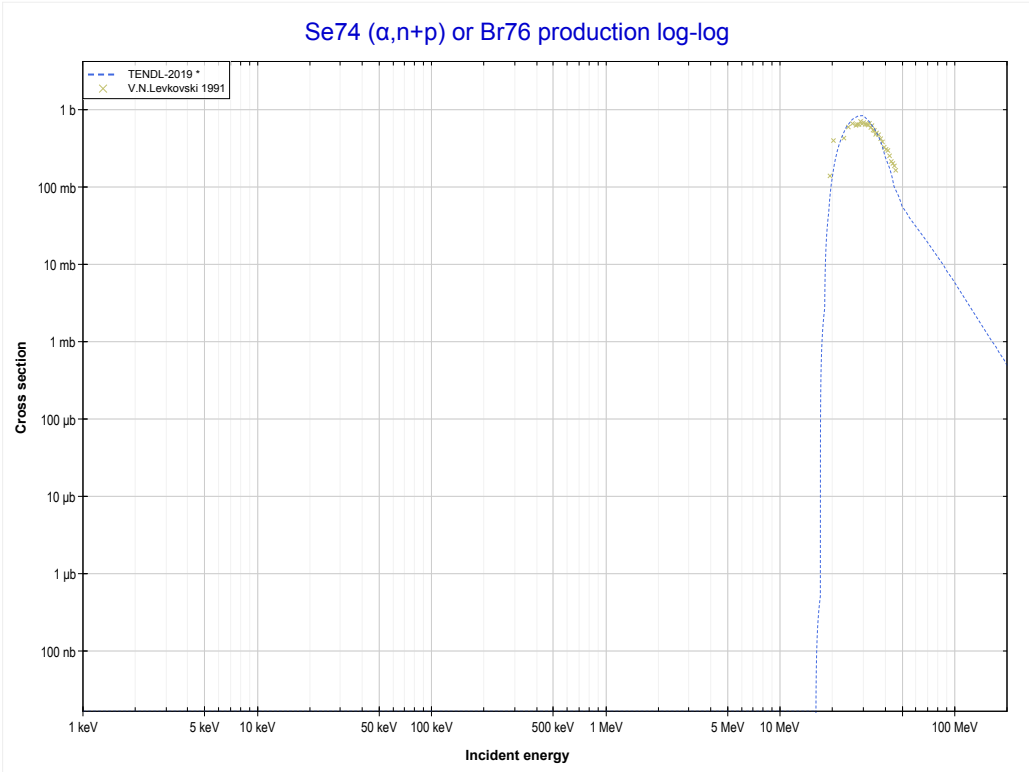
Reaction	Q-Value
Se74(α,n+α)Se73	-12057.52 keV
Se74(α,d+t)Se73	-29646.82 keV
Se74(α,n+p+t)Se73	-31871.38 keV
Se74(α,2n+He3)Se73	-32635.14 keV
Se74(α,n+2d)Se73	-35904.05 keV
Se74(α,2n+p+d)Se73	-38128.61 keV
Se74(α,3n+2p)Se73	-40353.18 keV

<< 31-Ga-69	34-Se-74	35-Br-79 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Se72 production)	MT28 ($\alpha,n+p$) >>



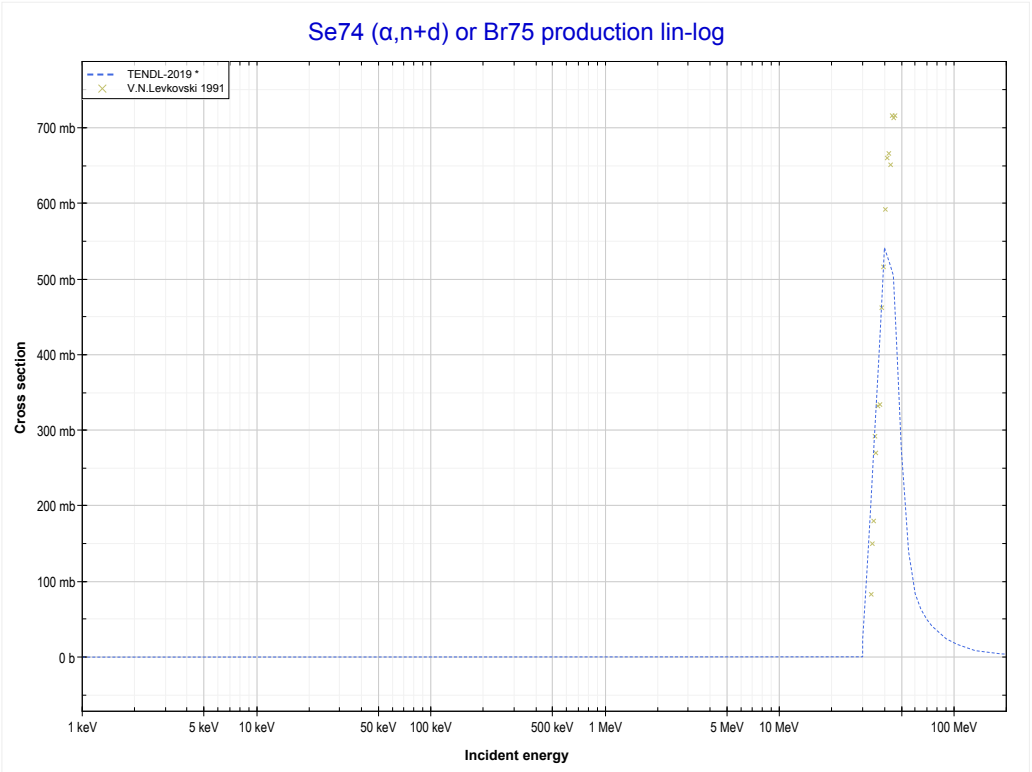
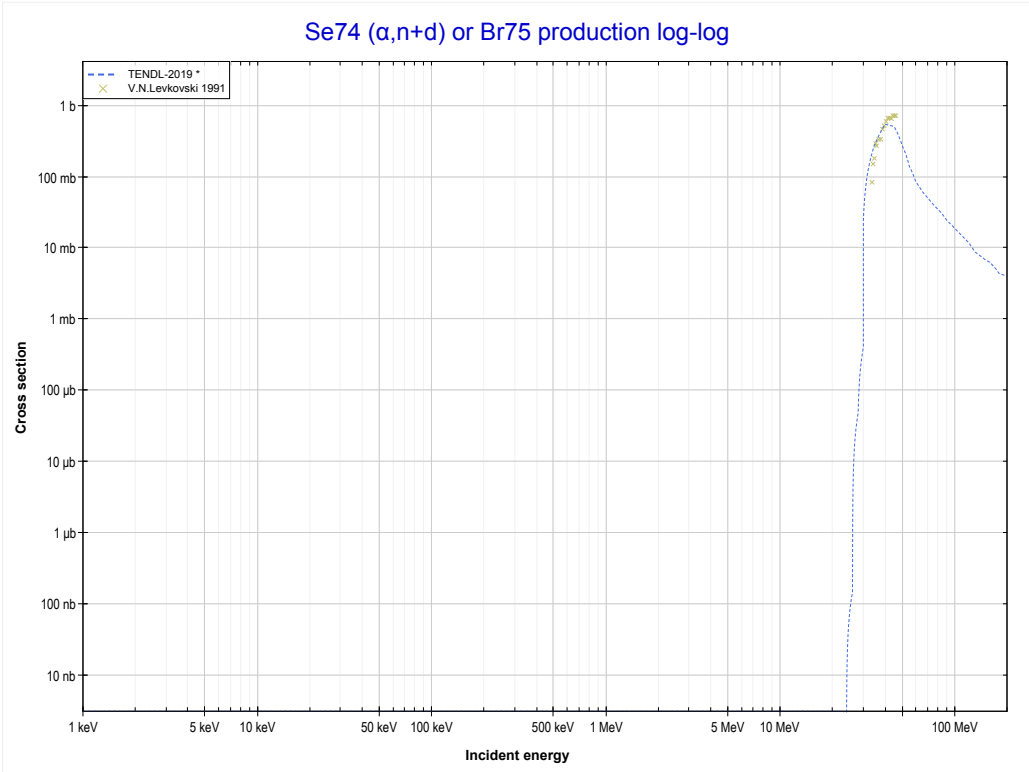
Reaction	Q-Value
Se74($\alpha,2n+\alpha$)Se72	-20487.64 keV
Se74($\alpha,2t$)Se72	-31819.71 keV
Se74($\alpha,n+d+t$)Se72	-38076.93 keV
Se74($\alpha,2n+p+t$)Se72	-40301.50 keV
Se74($\alpha,3n+He3$)Se72	-41065.25 keV
Se74($\alpha,2n+2d$)Se72	-44334.16 keV
Se74($\alpha,3n+p+d$)Se72	-46558.73 keV
Se74($\alpha,4n+2p$)Se72	-48783.29 keV

<< 32-Ge-76	34-Se-74	34-Se-76 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Br76 production)	MT32 ($\alpha,n+d$) >>



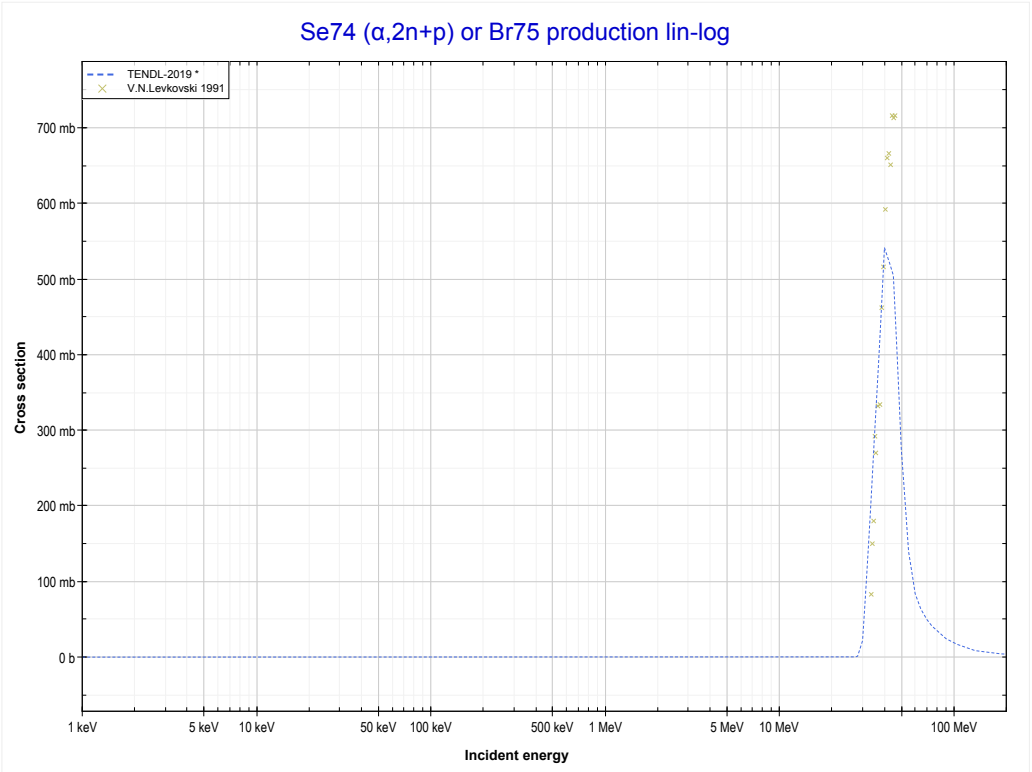
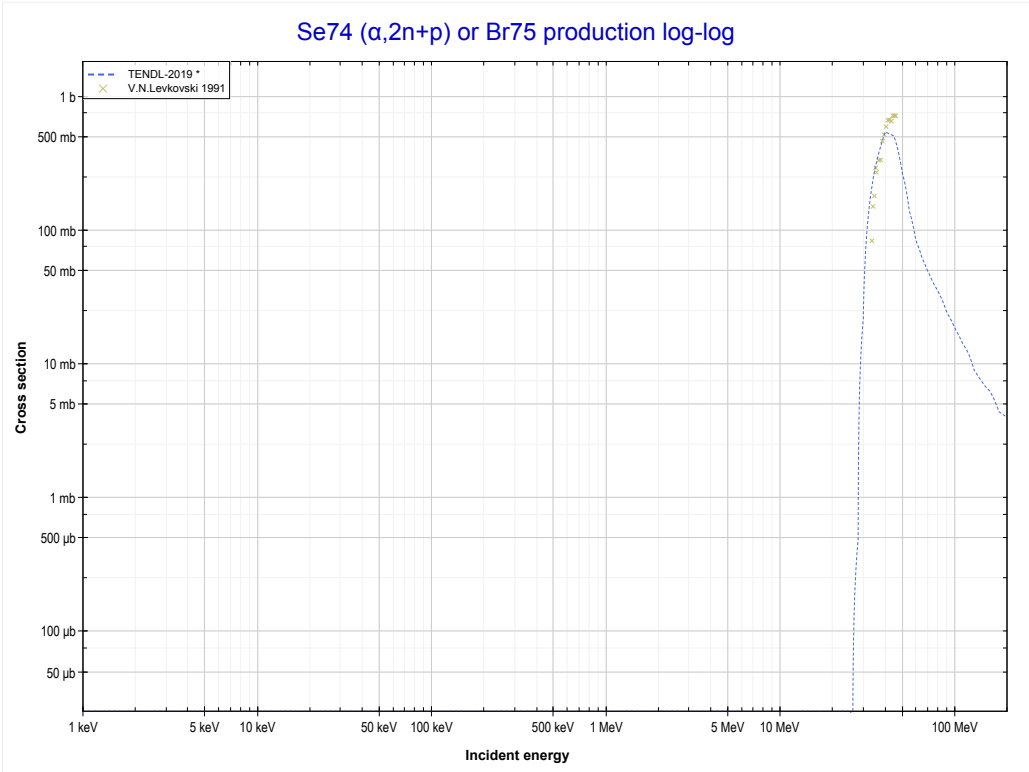
Reaction	Q-Value
Se74(α,d)Br76	-12635.01 keV
Se74($\alpha,n+p$)Br76	-14859.57 keV

<< 32-Ge-76	34-Se-74	34-Se-76 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Br75 production)	MT41 (α,2n+p) >>



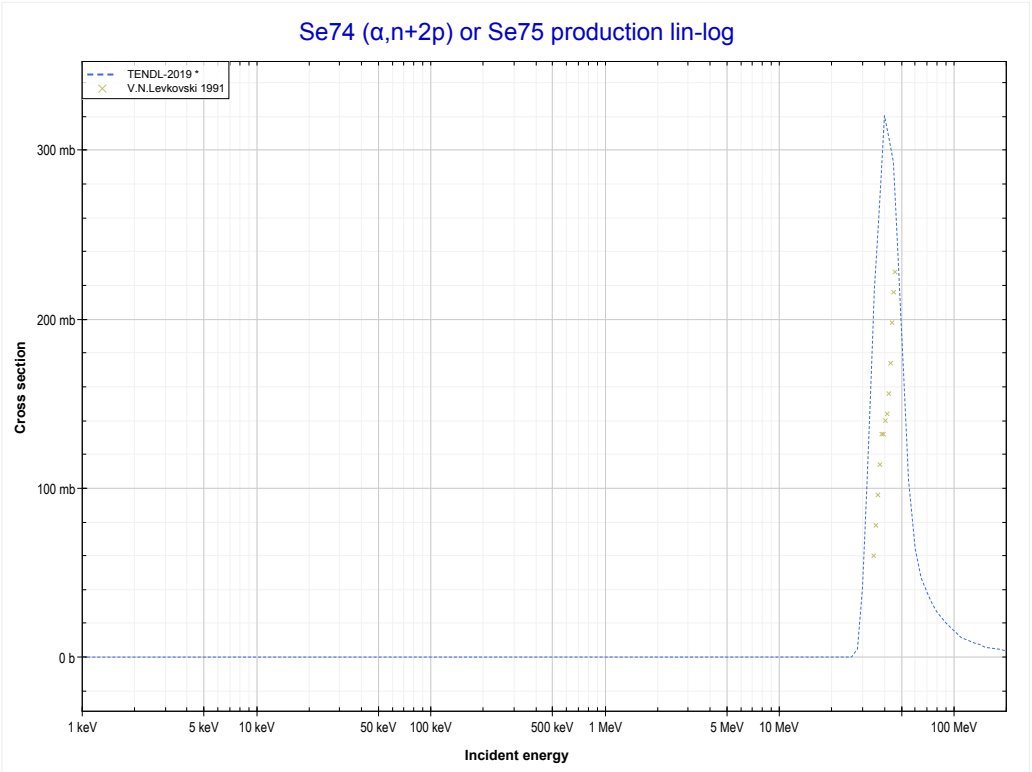
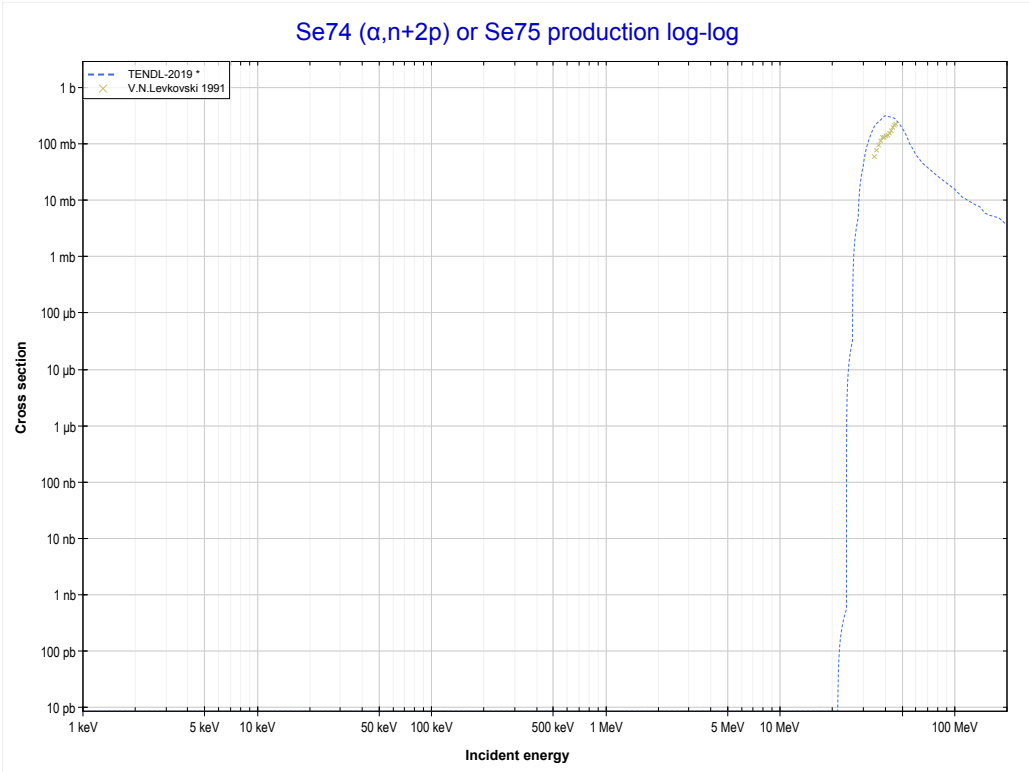
Reaction	Q-Value
Se74(α,t)Br75	-15631.10 keV
Se74(α,n+d)Br75	-21888.32 keV
Se74(α,2n+p)Br75	-24112.89 keV

<< 32-Ge-76	34-Se-74	34-Se-76 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Br75 production)	MT44 (α,n+2p) >>



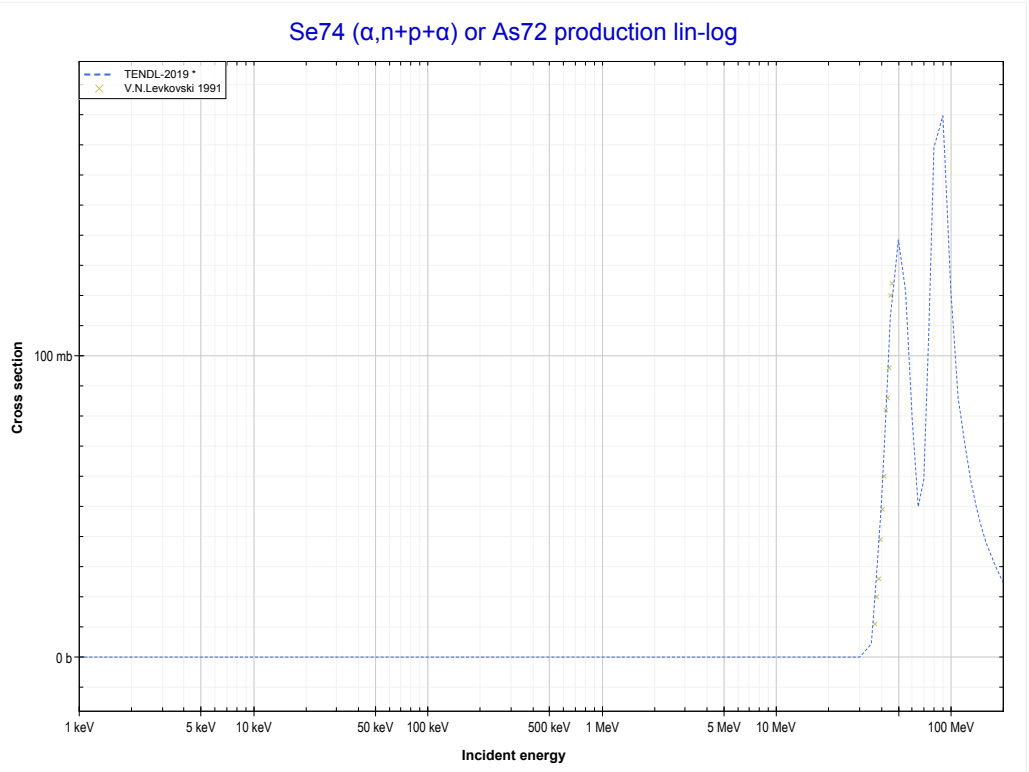
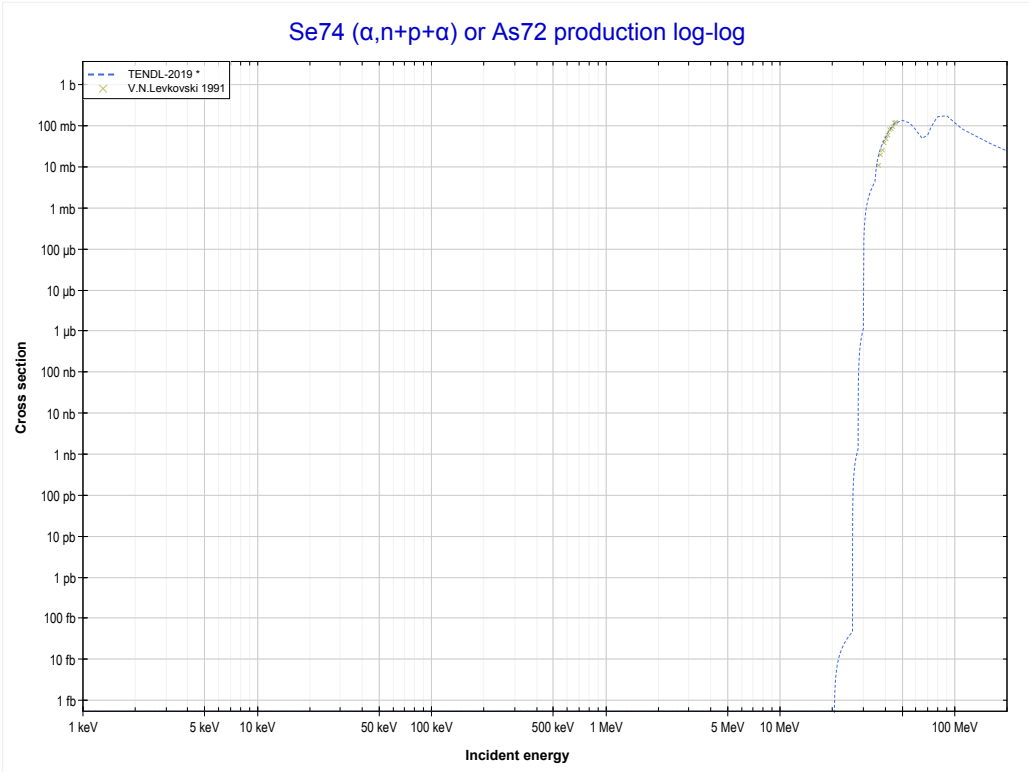
Reaction	Q-Value
Se74(α,t)Br75	-15631.10 keV
Se74(α,n+d)Br75	-21888.32 keV
Se74(α,2n+p)Br75	-24112.89 keV

<< 32-Ge-76	34-Se-74	37-Rb-85 >>
<< MT41 ($\alpha,2n+p$)	MT44 ($\alpha,n+2p$) or MT5 (Se75 production)	MT45 ($\alpha,n+p+\alpha$) >>



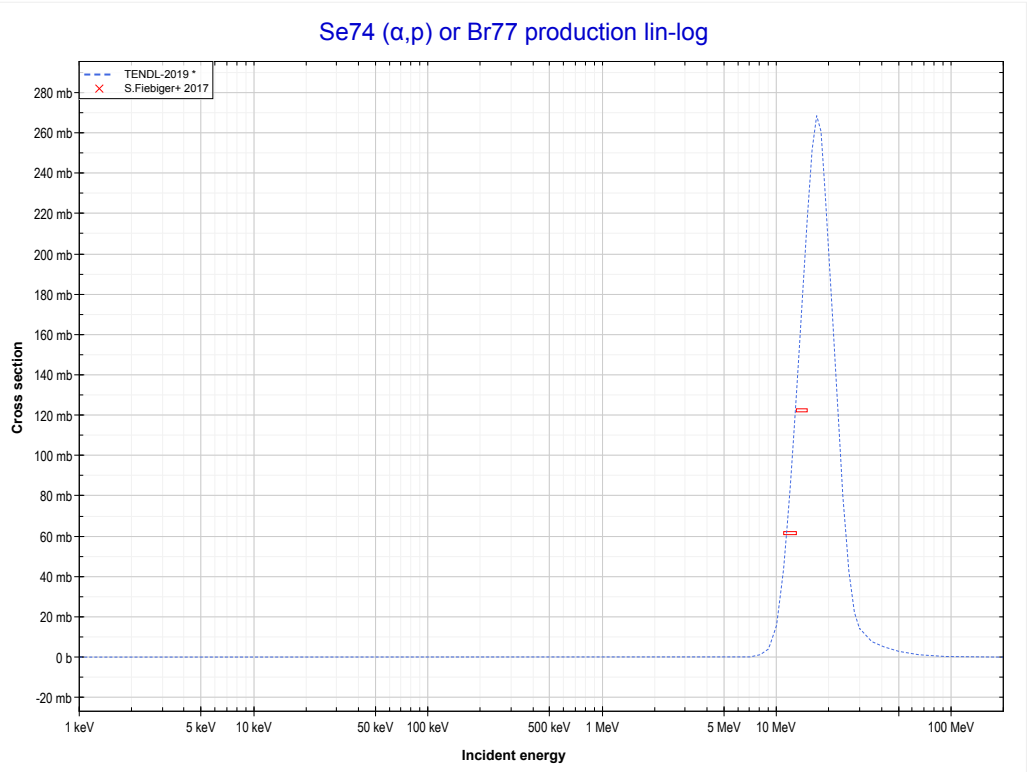
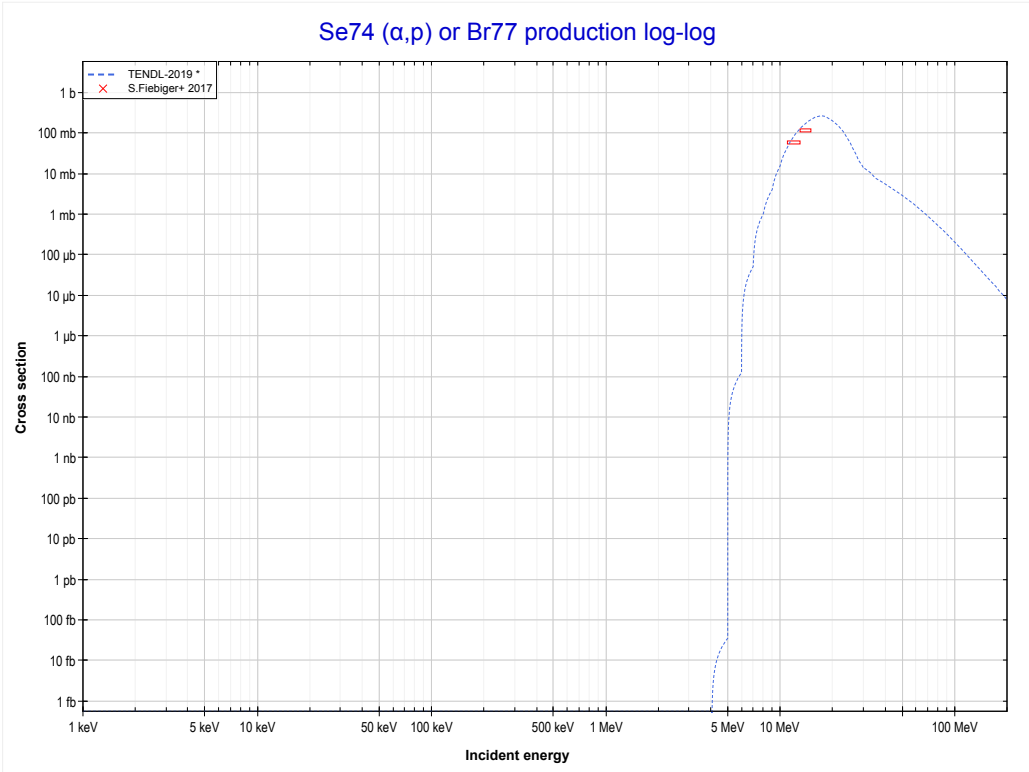
Reaction	Q-Value
Se74($\alpha,\text{He3}$)Se75	-12550.02 keV
Se74($\alpha,p+d$)Se75	-18043.50 keV
Se74($\alpha,n+2p$)Se75	-20268.06 keV

<< 30-Zn-66	34-Se-74	34-Se-76 >>
<< MT44 ($\alpha,n+2p$)	MT45 ($\alpha,n+p+\alpha$) or MT5 (As72 production)	MT103 (α,p) >>



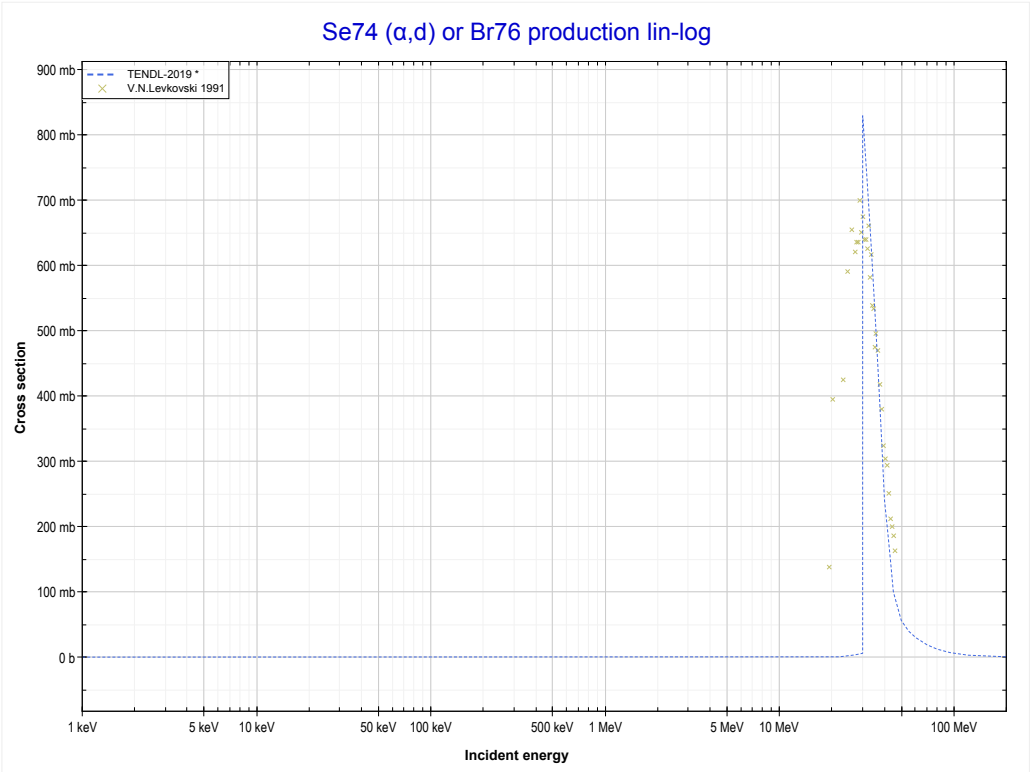
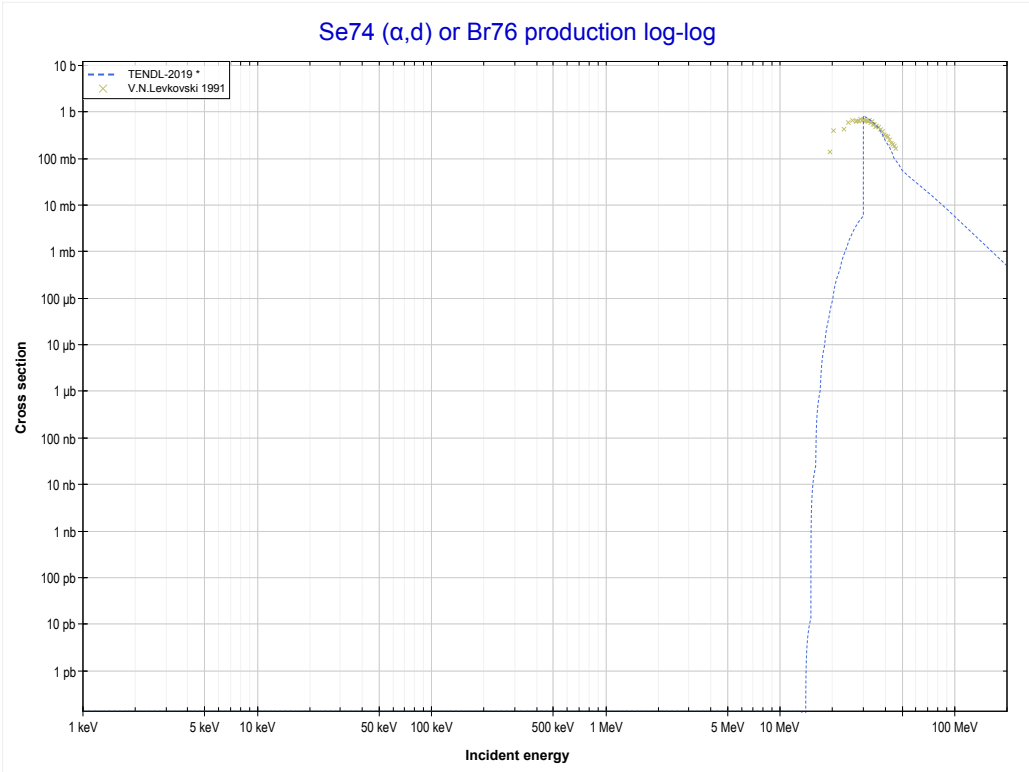
Reaction	Q-Value	Reaction	Q-Value
Se74($\alpha,d+\alpha$)As72	-17118.92 keV	Se74($\alpha,n+p+2d$)As72	-43190.02 keV
Se74($\alpha,n+p+\alpha$)As72	-19343.49 keV	Se74($\alpha,2n+2p+d$)As72	-45414.58 keV
Se74($\alpha,t+\text{He3}$)As72	-31439.31 keV	Se74($\alpha,3n+3p$)As72	-47639.15 keV
Se74($\alpha,p+d+t$)As72	-36932.79 keV		
Se74($\alpha,n+d+\text{He3}$)As72	-37696.54 keV		
Se74($\alpha,n+2p+t$)As72	-39157.35 keV		
Se74($\alpha,2n+p+\text{He3}$)As72	-39921.11 keV		
Se74($\alpha,3d$)As72	-40965.45 keV		

<< 32-Ge-74	34-Se-74	40-Zr-92 >>
<< MT45 (α,n+p+α)	MT103 (α,p) or MT5 (Br77 production)	MT104 (α,d) >>



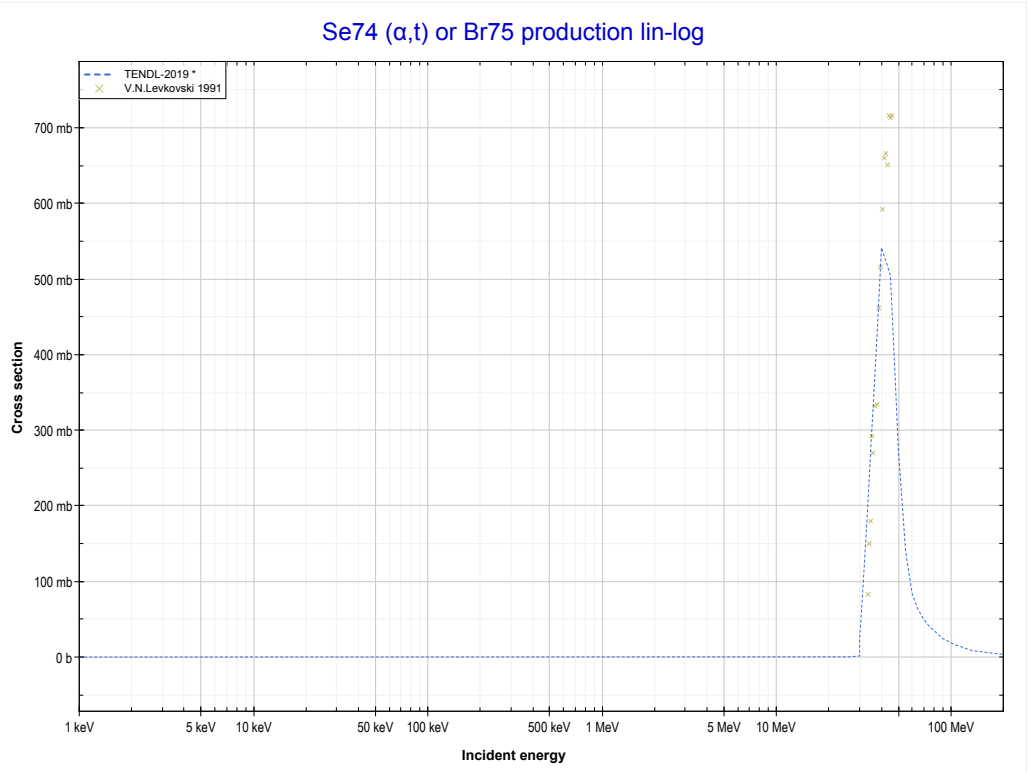
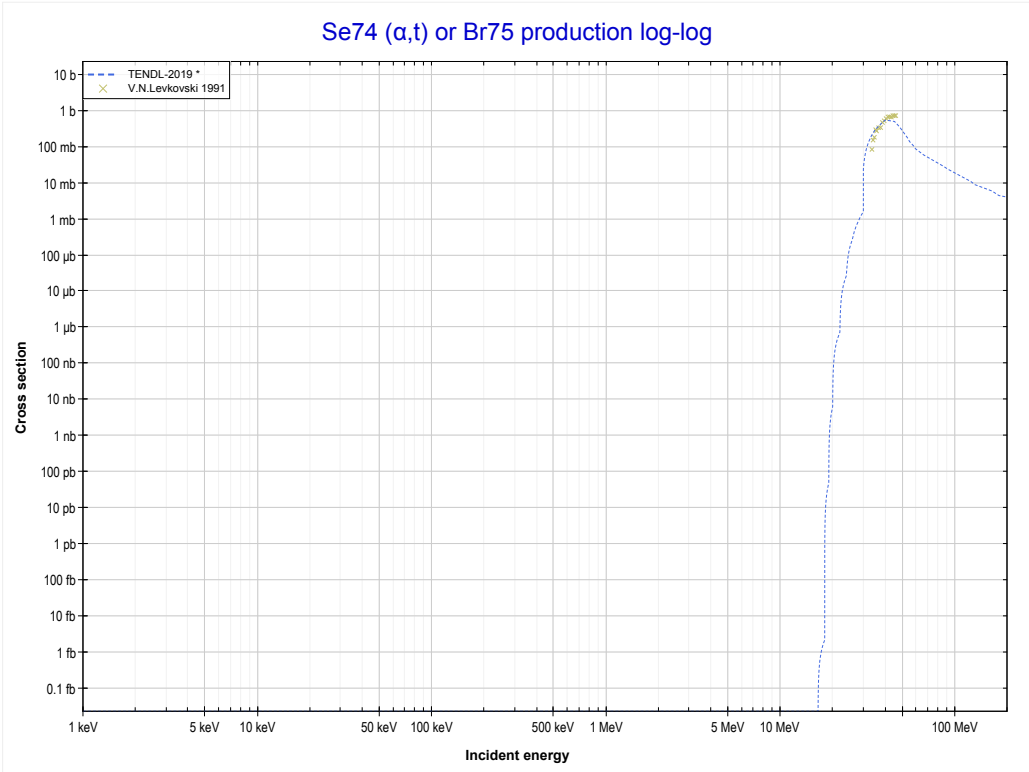
Reaction	Q-Value
Se74(α,p)Br77	-3842.46 keV

<< 32-Ge-76	34-Se-74	34-Se-76 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Br76 production)	MT105 (α,t) >>



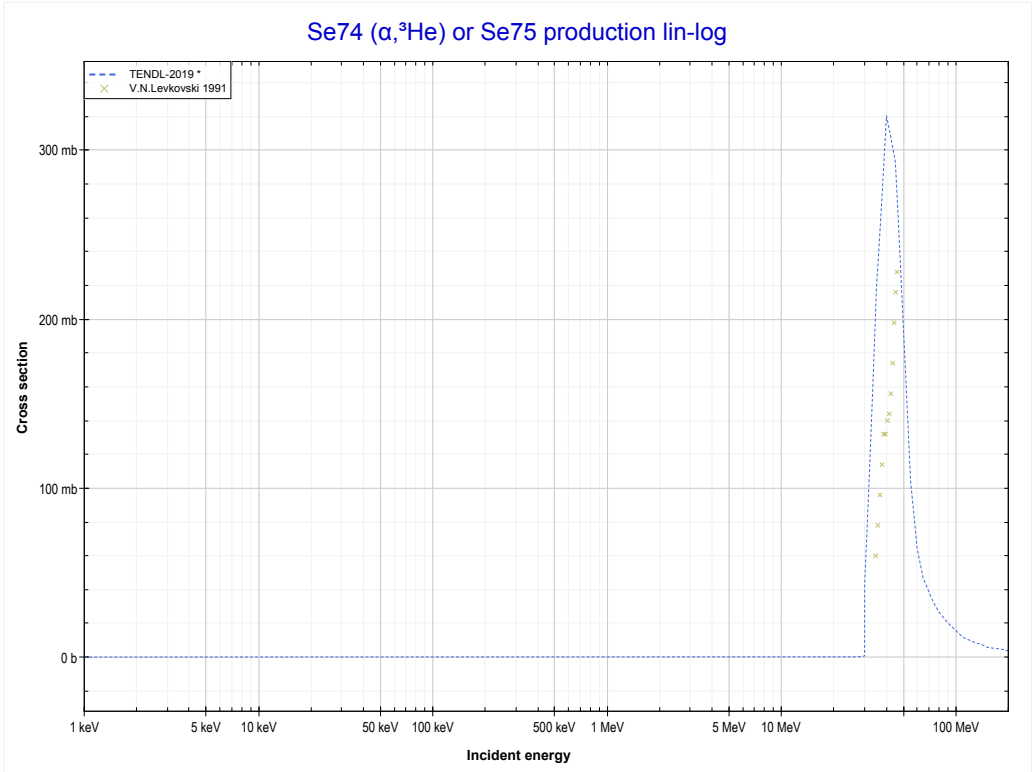
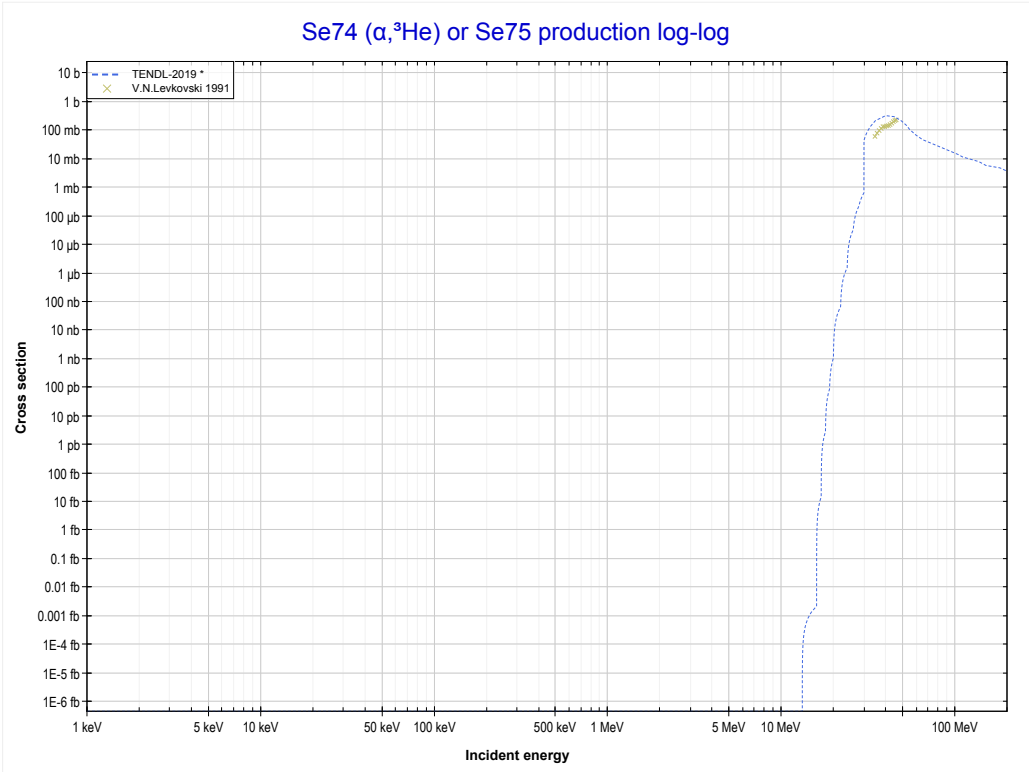
Reaction	Q-Value
Se74(α,d)Br76	-12635.01 keV
Se74(α,n+p)Br76	-14859.57 keV

<< 32-Ge-76	34-Se-74	34-Se-76 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Br75 production)	MT106 (α, ³ He) >>



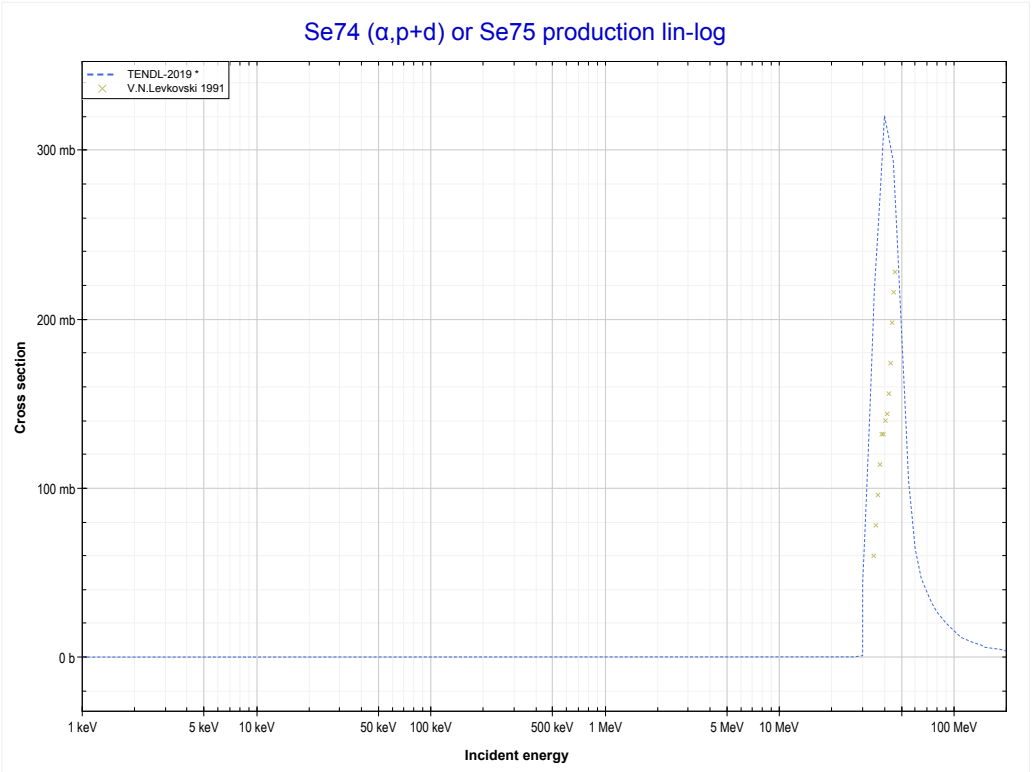
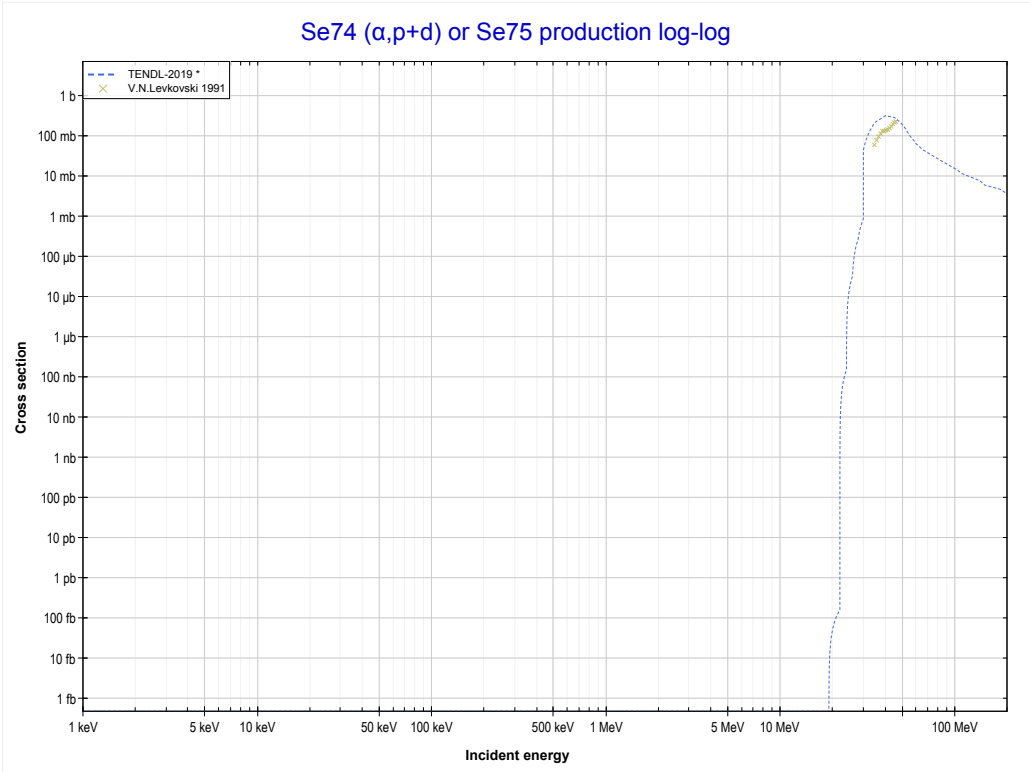
Reaction	Q-Value
Se74(α,t)Br75	-15631.10 keV
Se74(α,n+d)Br75	-21888.32 keV
Se74(α,2n+p)Br75	-24112.89 keV

<< 32-Ge-76	34-Se-74	37-Rb-85 >>
<< MT105 (α,t)	MT106 (α, ³ He) or MT5 (Se75 production)	MT115 (α,p+d) >>



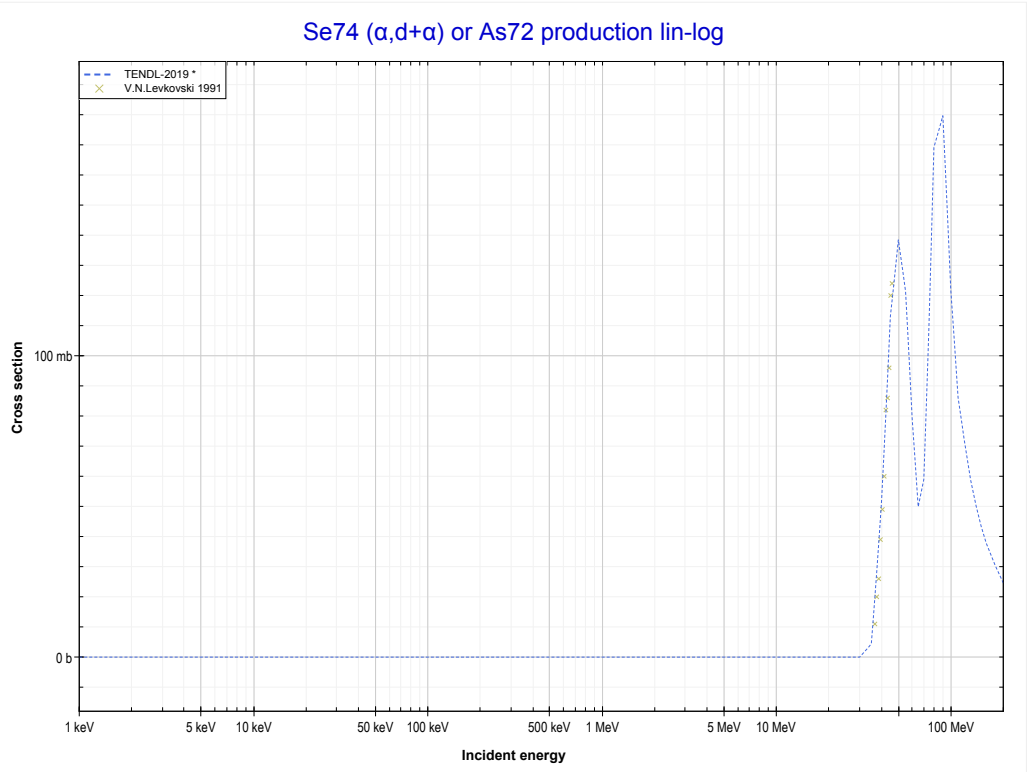
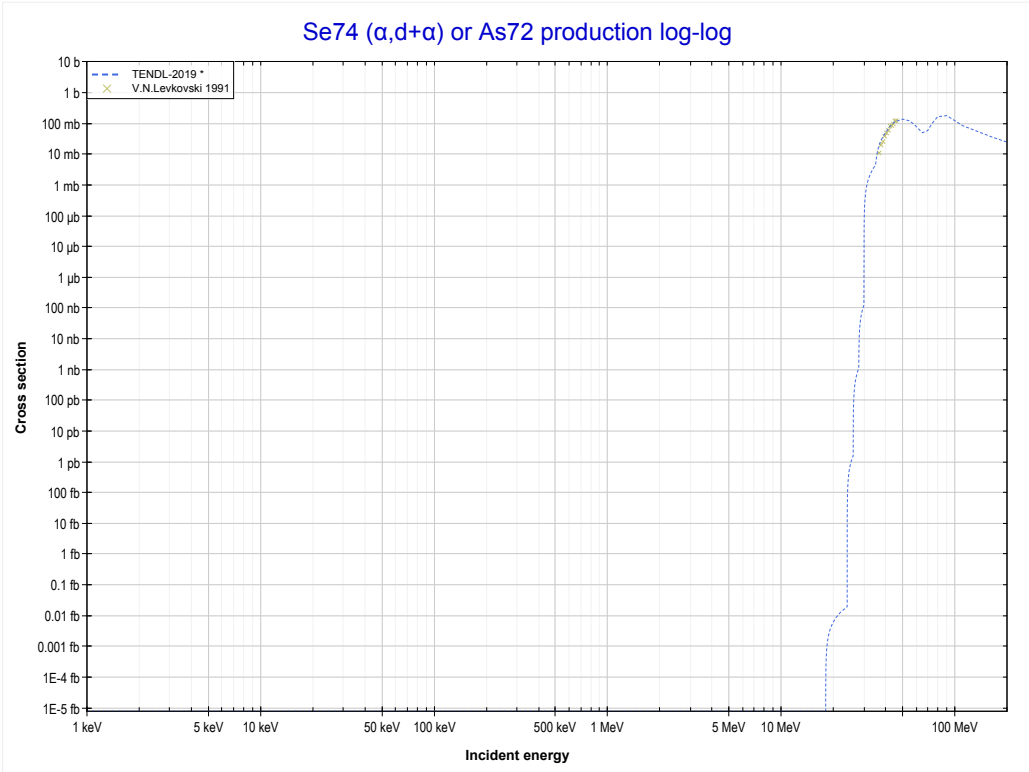
Reaction	Q-Value
Se74(α,He3)Se75	-12550.02 keV
Se74(α,p+d)Se75	-18043.50 keV
Se74(α,n+2p)Se75	-20268.06 keV

<< 32-Ge-76	34-Se-74	37-Rb-85 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Se75 production)	MT117 (α ,d+ α) >>



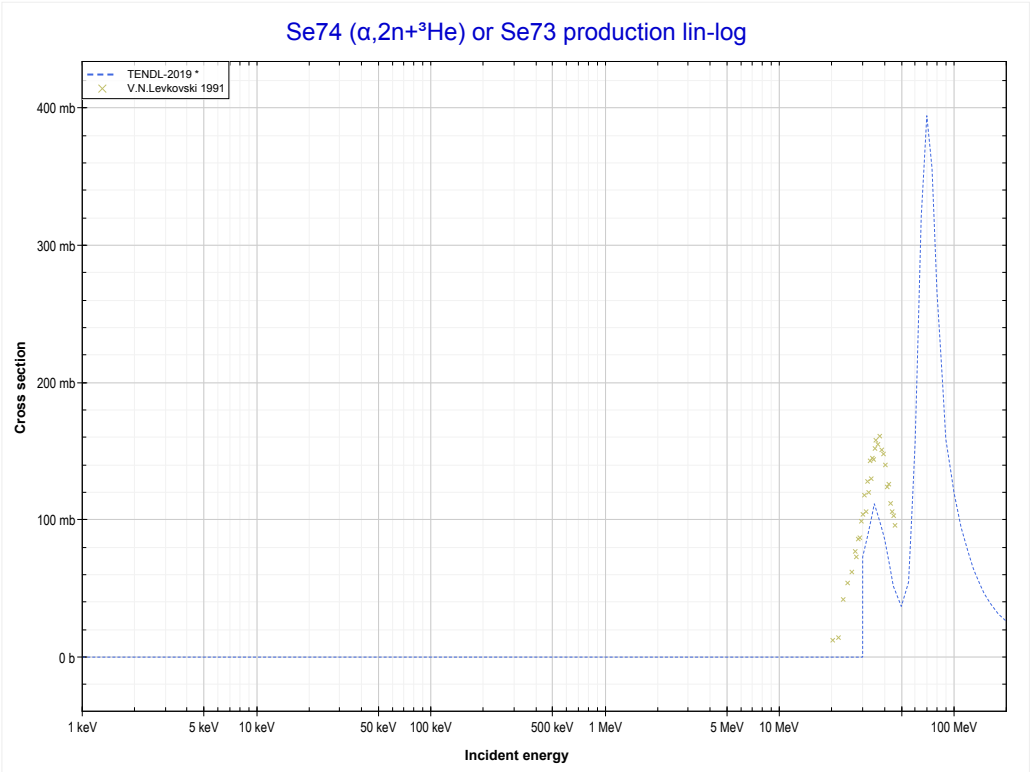
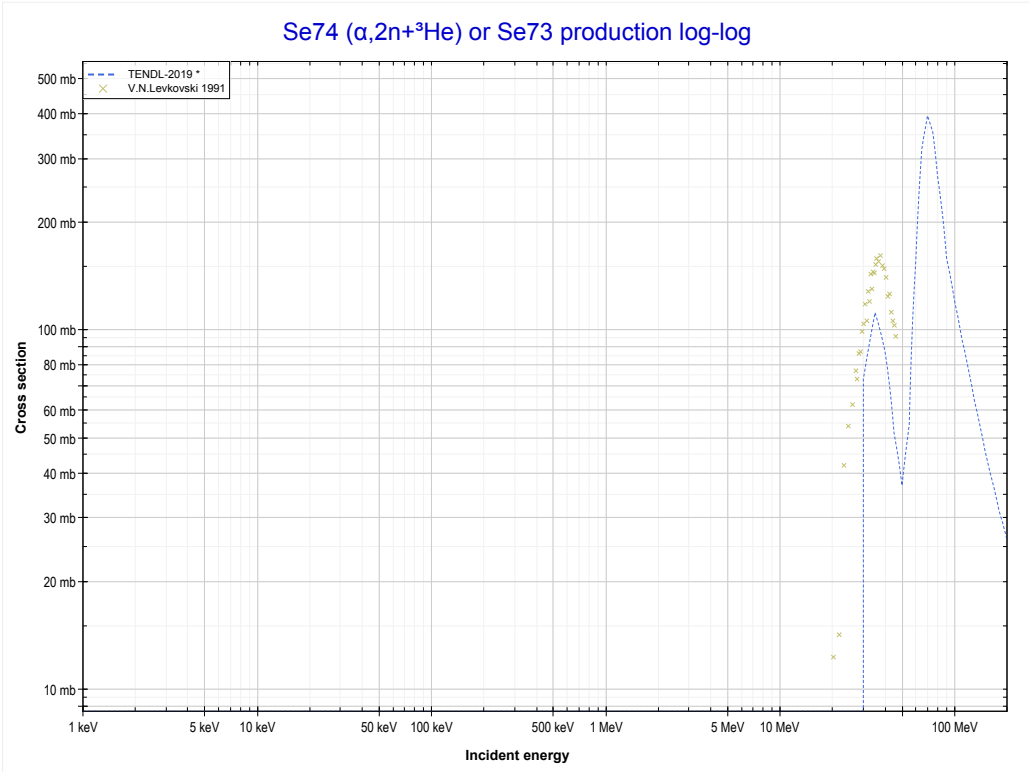
Reaction	Q-Value
Se74(α ,He3)Se75	-12550.02 keV
Se74(α ,p+d)Se75	-18043.50 keV
Se74(α ,n+2p)Se75	-20268.06 keV

<< 30-Zn-66	34-Se-74	34-Se-76 >>
<< MT115 (α,p+d)	MT117 (α,d+α) or MT5 (As72 production)	MT176 (α,2n+ ³ He) >>



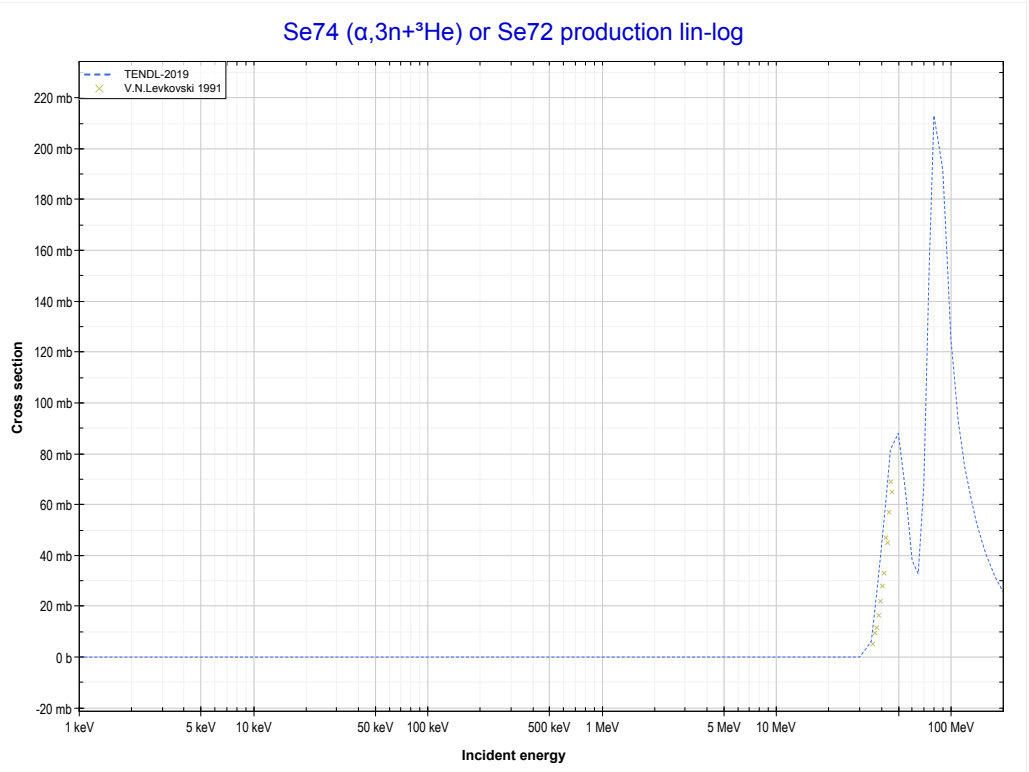
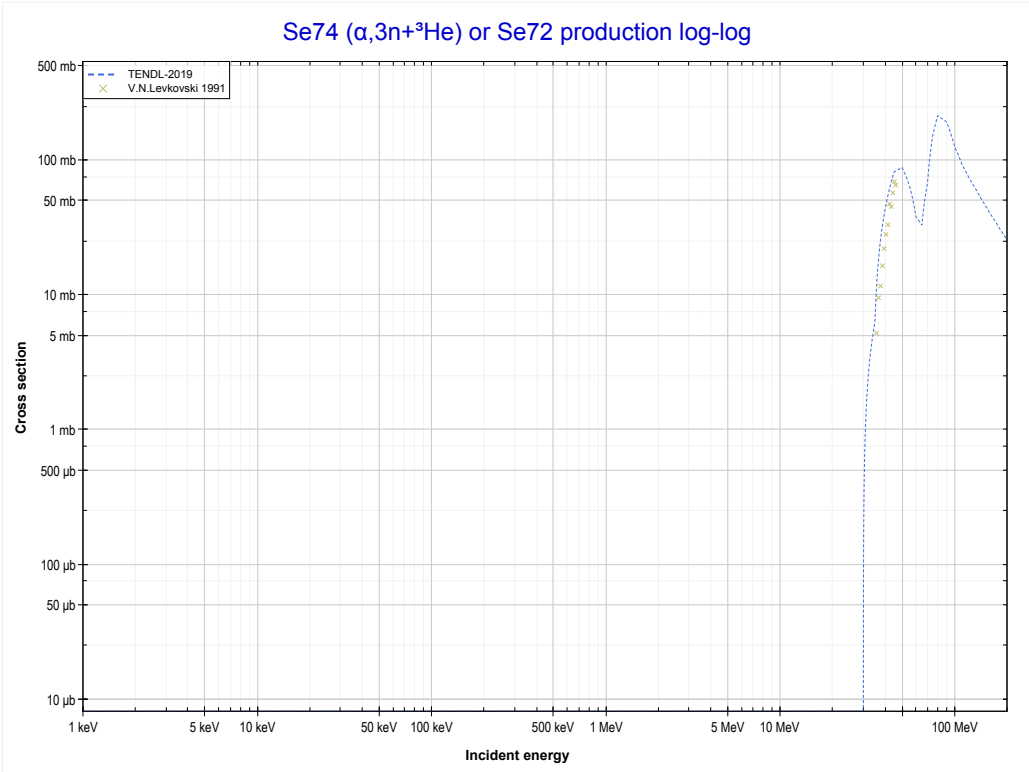
Reaction	Q-Value	Reaction	Q-Value
Se74(α,d+α)As72	-17118.92 keV	Se74(α,n+p+2d)As72	-43190.02 keV
Se74(α,n+p+α)As72	-19343.49 keV	Se74(α,2n+2p+d)As72	-45414.58 keV
Se74(α,t+He3)As72	-31439.31 keV	Se74(α,3n+3p)As72	-47639.15 keV
Se74(α,p+d+t)As72	-36932.79 keV		
Se74(α,n+d+He3)As72	-37696.54 keV		
Se74(α,n+2p+t)As72	-39157.35 keV		
Se74(α,2n+p+He3)As72	-39921.11 keV		
Se74(α,3d)As72	-40965.45 keV		

<< 33-As-75	34-Se-74	34-Se-76 >>
<< MT117 ($\alpha, d + \alpha$)	MT176 ($\alpha, 2n + {}^3\text{He}$) or MT5 (Se73 production)	MT177 ($\alpha, 3n + {}^3\text{He}$) >>



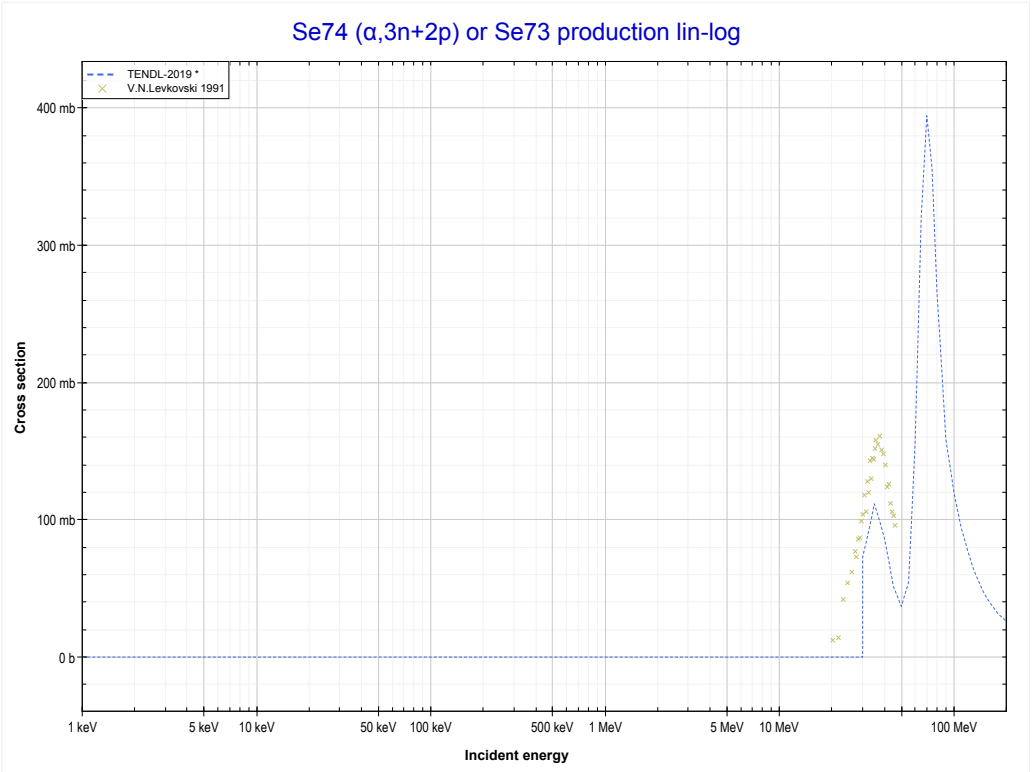
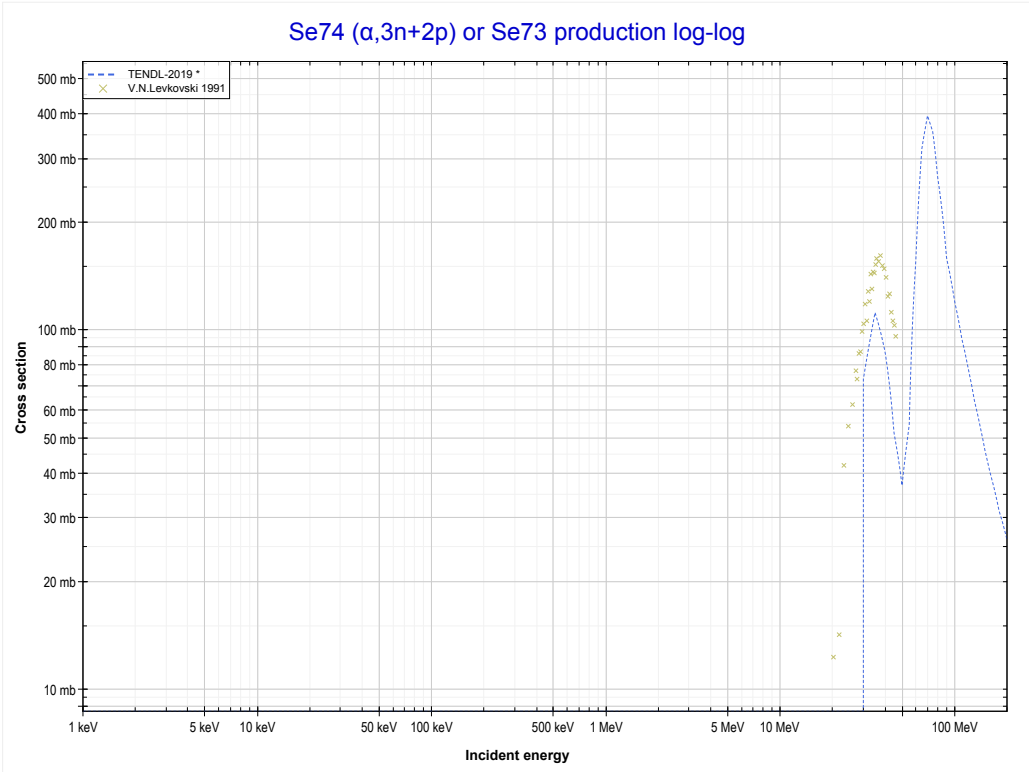
Reaction	Q-Value
Se74($\alpha, n + \alpha$)Se73	-12057.52 keV
Se74($\alpha, d + t$)Se73	-29646.82 keV
Se74($\alpha, n + p + t$)Se73	-31871.38 keV
Se74($\alpha, 2n + \text{He3}$)Se73	-32635.14 keV
Se74($\alpha, n + 2d$)Se73	-35904.05 keV
Se74($\alpha, 2n + p + d$)Se73	-38128.61 keV
Se74($\alpha, 3n + 2p$)Se73	-40353.18 keV

<< 31-Ga-69	34-Se-74	35-Br-79 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Se72 production)	MT179 ($\alpha,3n+2p$) >>



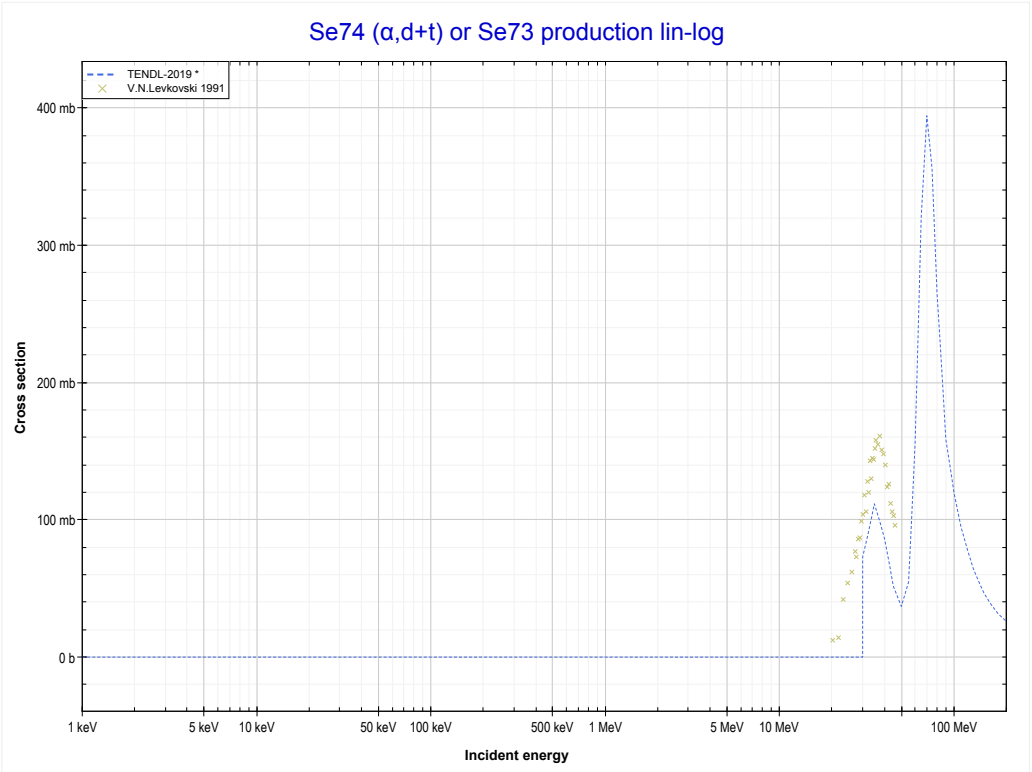
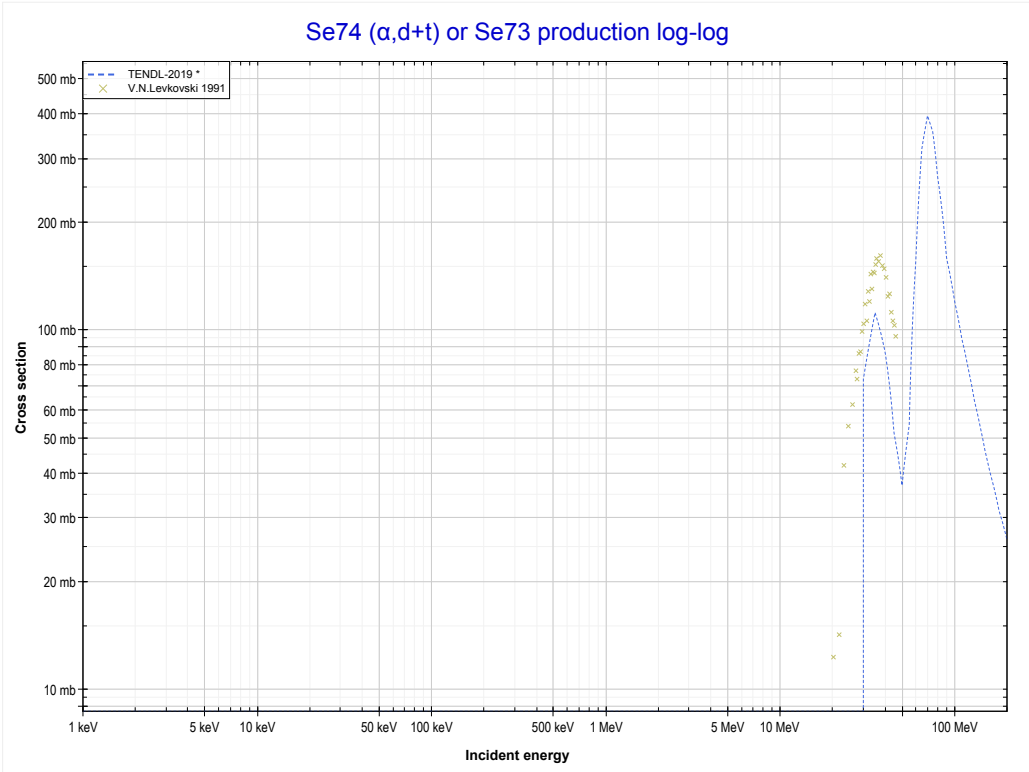
Reaction	Q-Value
Se74($\alpha,2n+\alpha$)Se72	-20487.64 keV
Se74($\alpha,2t$)Se72	-31819.71 keV
Se74($\alpha,n+d+t$)Se72	-38076.93 keV
Se74($\alpha,2n+p+t$)Se72	-40301.50 keV
Se74($\alpha,3n+\text{He3}$)Se72	-41065.25 keV
Se74($\alpha,2n+2d$)Se72	-44334.16 keV
Se74($\alpha,3n+p+d$)Se72	-46558.73 keV
Se74($\alpha,4n+2p$)Se72	-48783.29 keV

<< 33-As-75	34-Se-74	34-Se-76 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Se73 production)	MT182 ($\alpha,d+t$) >>



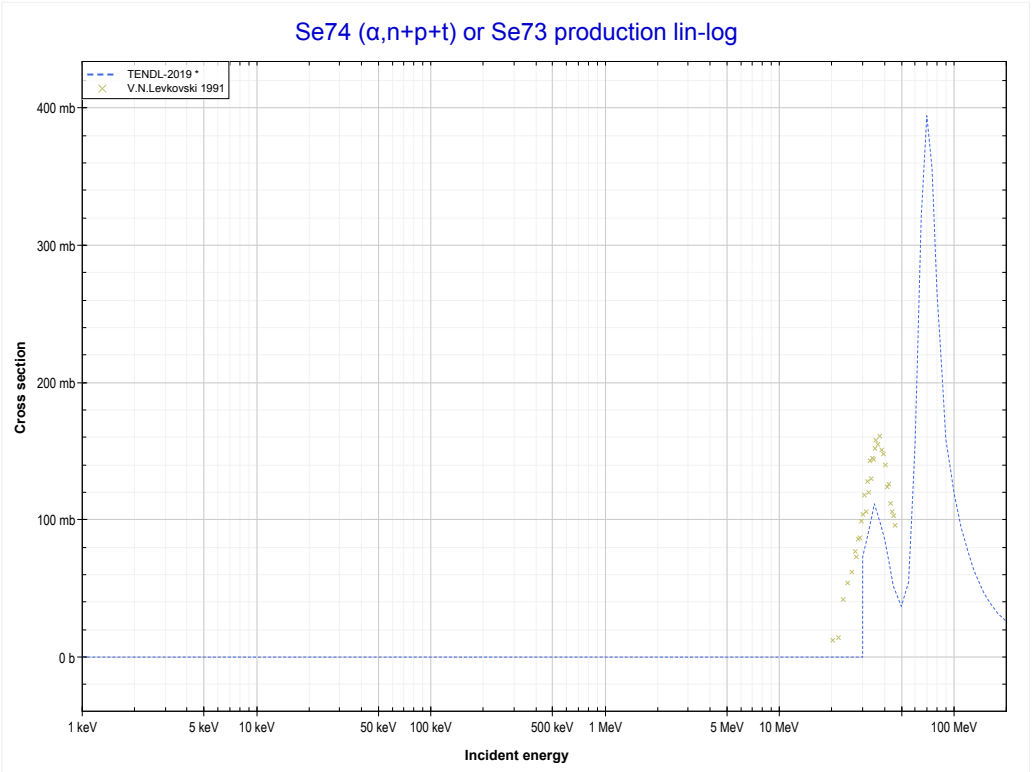
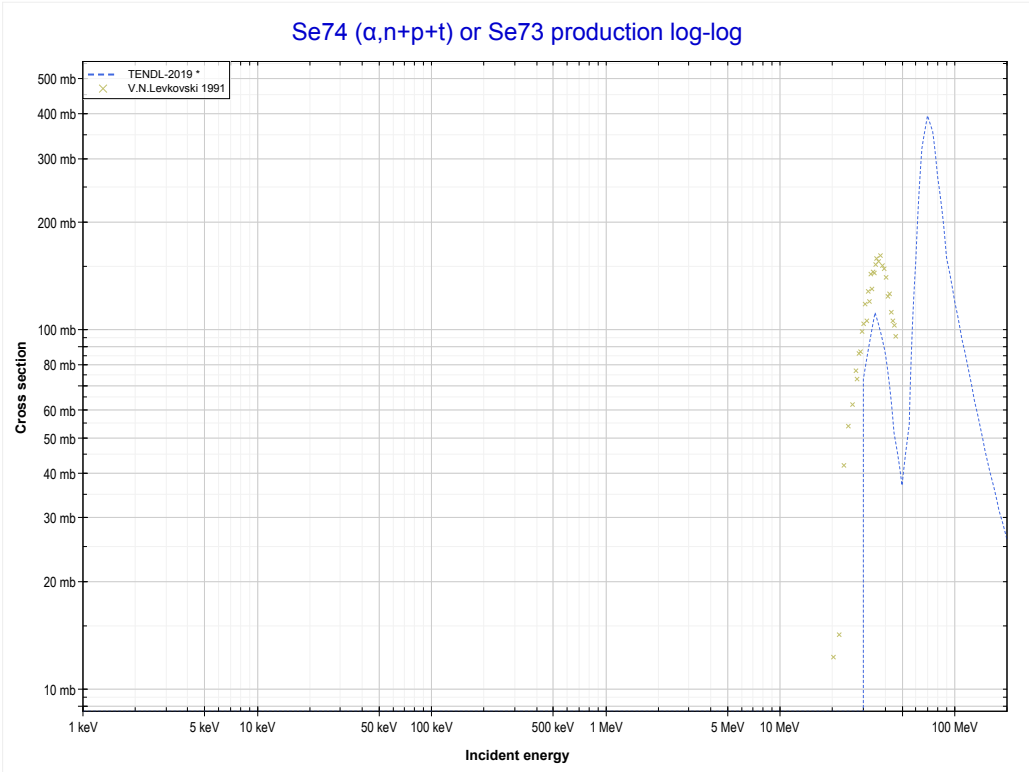
Reaction	Q-Value
Se74($\alpha,n+\alpha$)Se73	-12057.52 keV
Se74($\alpha,d+t$)Se73	-29646.82 keV
Se74($\alpha,n+p+t$)Se73	-31871.38 keV
Se74($\alpha,2n+\text{He3}$)Se73	-32635.14 keV
Se74($\alpha,n+2d$)Se73	-35904.05 keV
Se74($\alpha,2n+p+d$)Se73	-38128.61 keV
Se74($\alpha,3n+2p$)Se73	-40353.18 keV

<< 33-As-75	34-Se-74	34-Se-76 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Se73 production)	MT184 ($\alpha,n+p+t$) >>



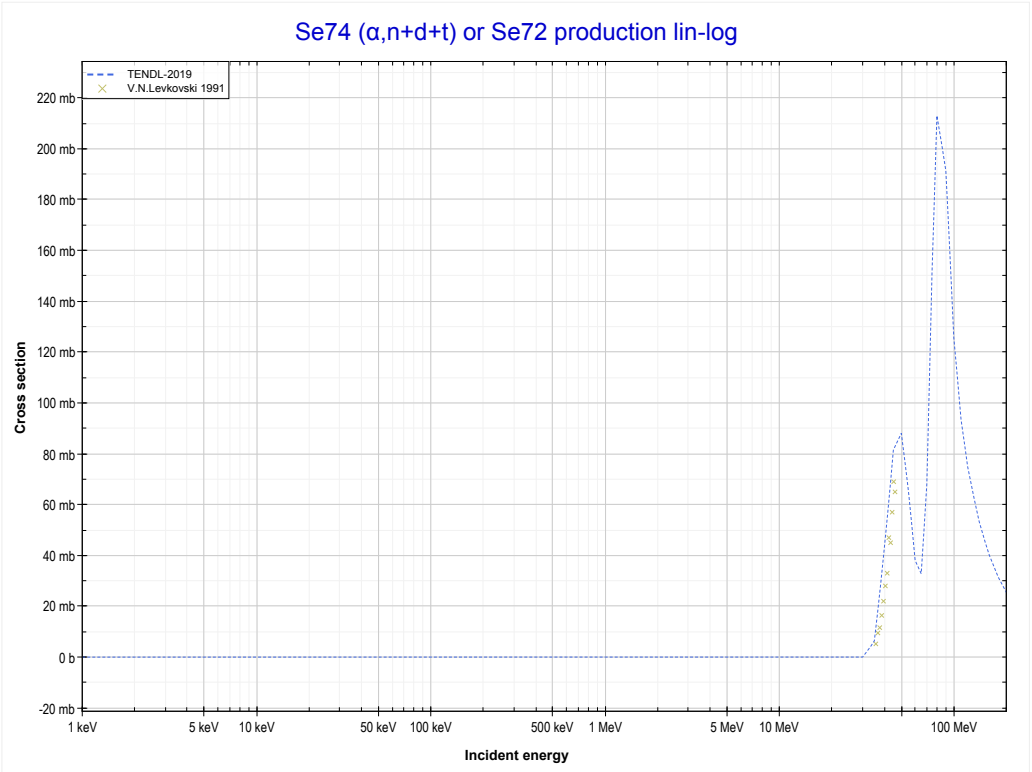
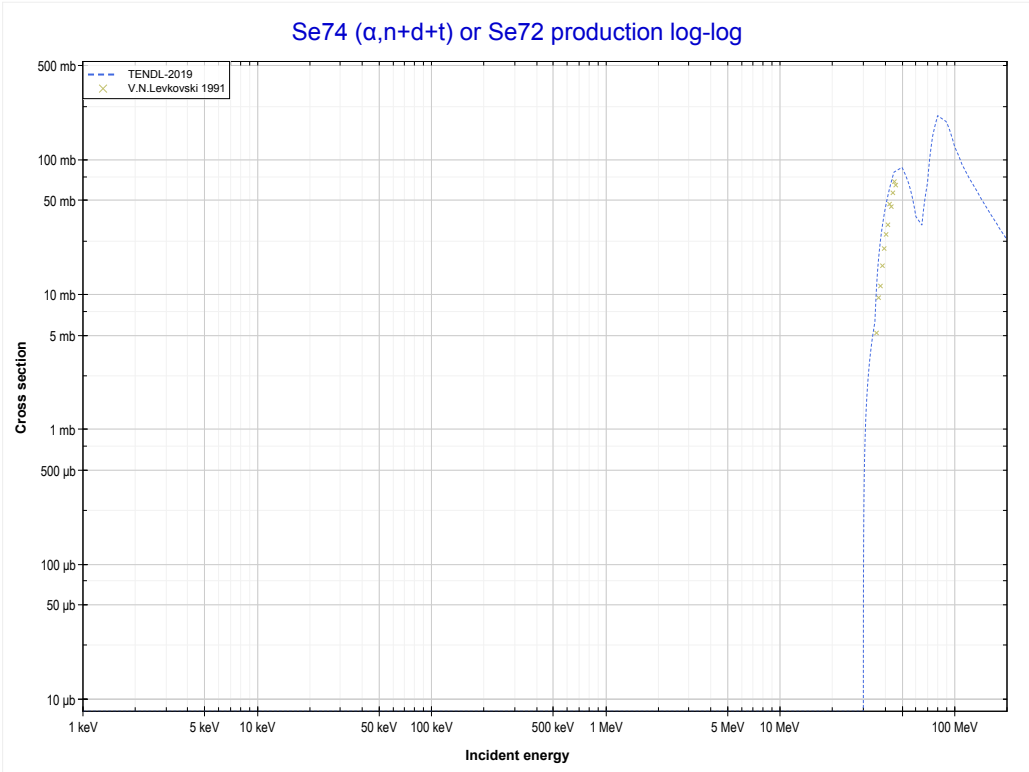
Reaction	Q-Value
Se74($\alpha,n+\alpha$)Se73	-12057.52 keV
Se74($\alpha,d+t$)Se73	-29646.82 keV
Se74($\alpha,n+p+t$)Se73	-31871.38 keV
Se74($\alpha,2n+He3$)Se73	-32635.14 keV
Se74($\alpha,n+2d$)Se73	-35904.05 keV
Se74($\alpha,2n+p+d$)Se73	-38128.61 keV
Se74($\alpha,3n+2p$)Se73	-40353.18 keV

<< 33-As-75	34-Se-74	34-Se-76 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Se73 production)	MT185 (α,n+d+t) >>



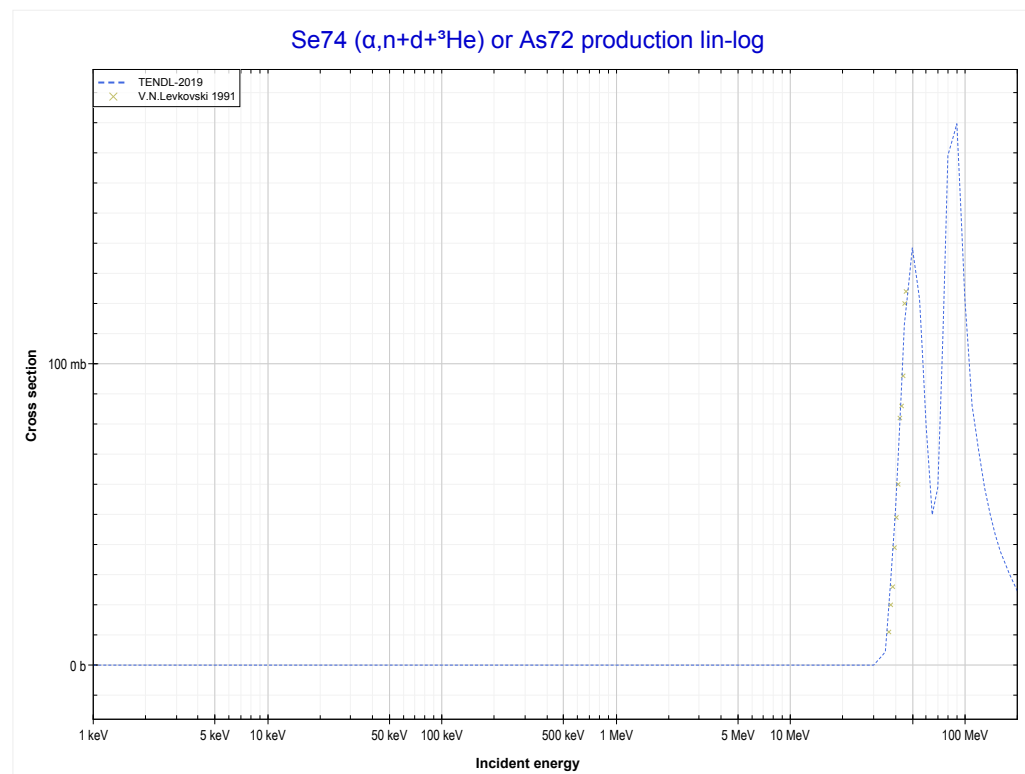
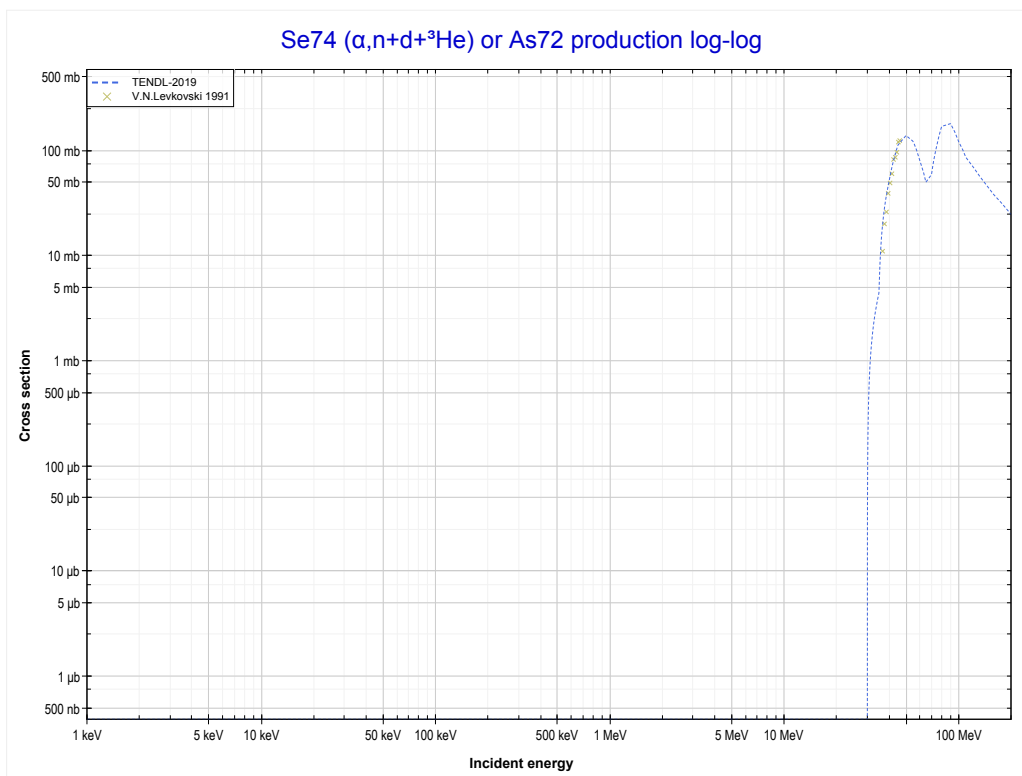
Reaction	Q-Value
Se74(α,n+α)Se73	-12057.52 keV
Se74(α,d+t)Se73	-29646.82 keV
Se74(α,n+p+t)Se73	-31871.38 keV
Se74(α,2n+He3)Se73	-32635.14 keV
Se74(α,n+2d)Se73	-35904.05 keV
Se74(α,2n+p+d)Se73	-38128.61 keV
Se74(α,3n+2p)Se73	-40353.18 keV

<< 31-Ga-69	34-Se-74	35-Br-79 >>
<< MT184 (α ,n+p+t)	MT185 (α ,n+d+t) or MT5 (Se72 production)	MT187 (α ,n+d+ ^3He) >>



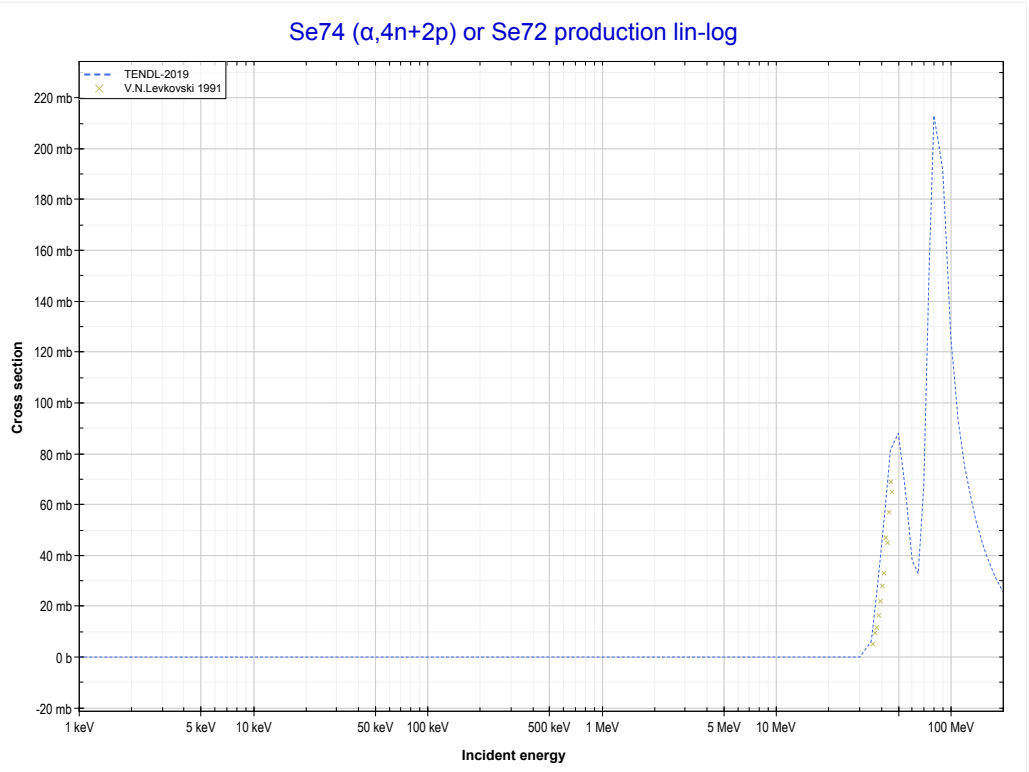
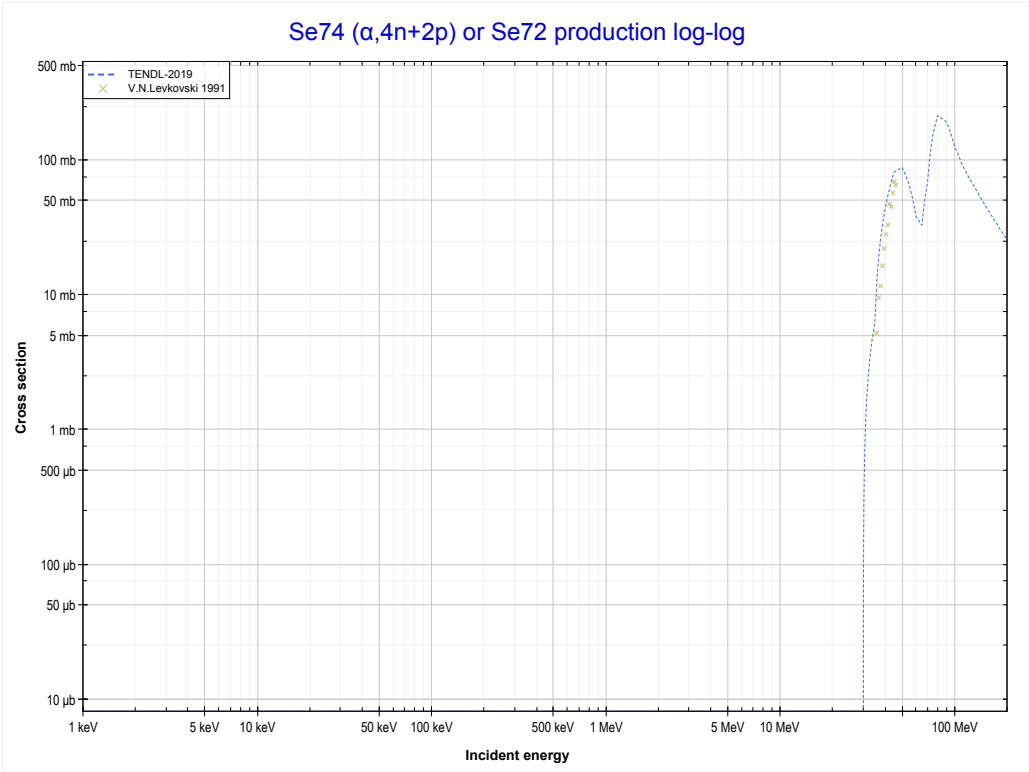
Reaction	Q-Value
Se74(α ,2n+ α)Se72	-20487.64 keV
Se74(α ,2t)Se72	-31819.71 keV
Se74(α ,n+d+t)Se72	-38076.93 keV
Se74(α ,2n+p+t)Se72	-40301.50 keV
Se74(α ,3n+He3)Se72	-41065.25 keV
Se74(α ,2n+2d)Se72	-44334.16 keV
Se74(α ,3n+p+d)Se72	-46558.73 keV
Se74(α ,4n+2p)Se72	-48783.29 keV

<< 30-Zn-66	34-Se-74	34-Se-76 >>
<< MT185 ($\alpha, n+d+t$)	MT187 ($\alpha, n+d+^3\text{He}$) or MT5 (As72 production)	MT194 ($\alpha, 4n+2p$) >>



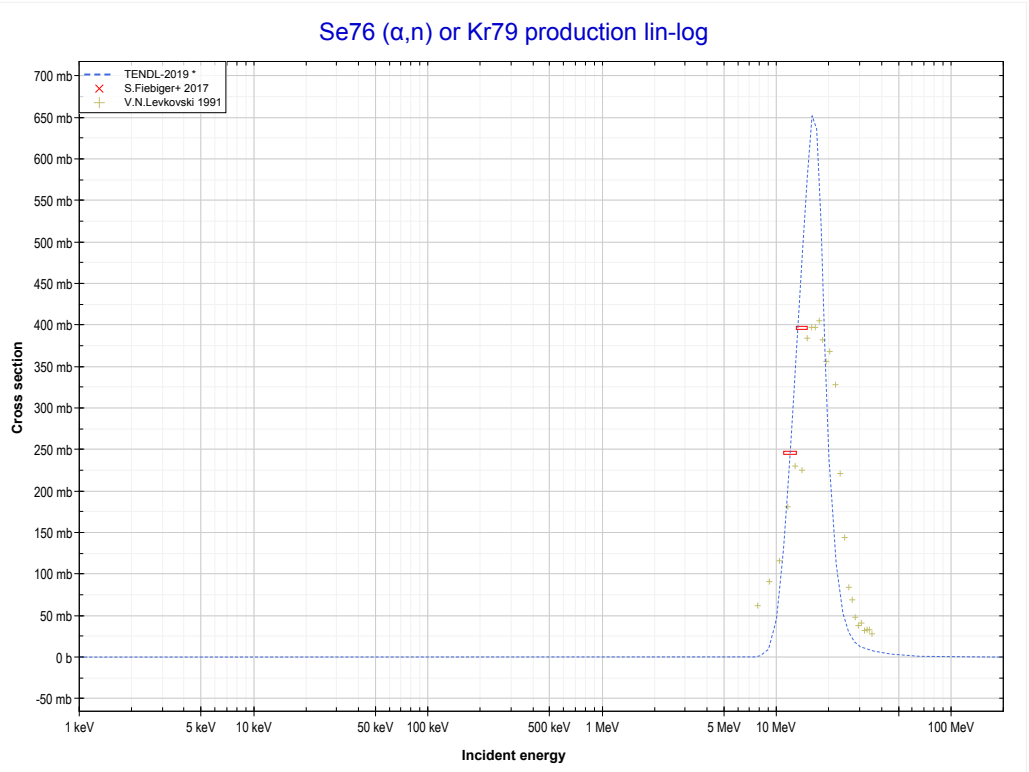
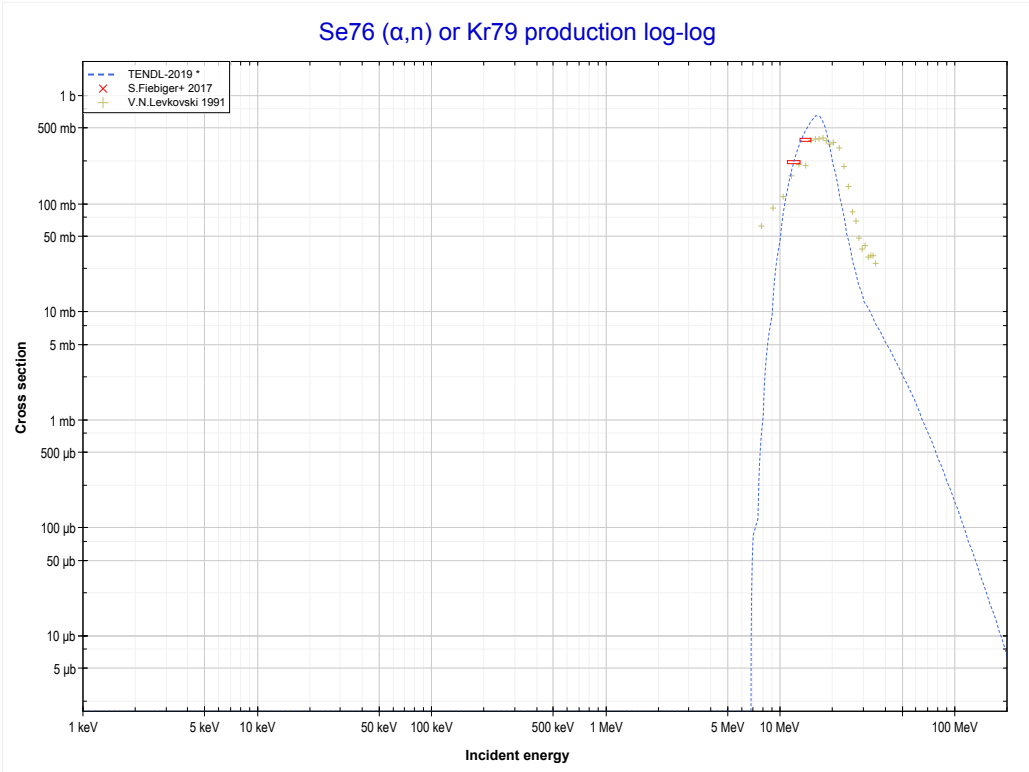
Reaction	Q-Value	Reaction	Q-Value
Se74($\alpha, d+\alpha$)As72	-17118.92 keV	Se74($\alpha, n+p+2d$)As72	-43190.02 keV
Se74($\alpha, n+p+\alpha$)As72	-19343.49 keV	Se74($\alpha, 2n+2p+d$)As72	-45414.58 keV
Se74($\alpha, t+^3\text{He}$)As72	-31439.31 keV	Se74($\alpha, 3n+3p$)As72	-47639.15 keV
Se74($\alpha, p+d+t$)As72	-36932.79 keV		
Se74($\alpha, n+d+^3\text{He}$)As72	-37696.54 keV		
Se74($\alpha, n+2p+t$)As72	-39157.35 keV		
Se74($\alpha, 2n+p+^3\text{He}$)As72	-39921.11 keV		
Se74($\alpha, 3d$)As72	-40965.45 keV		

<< 31-Ga-69	34-Se-74	35-Br-79 >>
<< MT187 ($\alpha,n+d+^3\text{He}$)	MT194 ($\alpha,4n+2p$) or MT5 (Se72 production)	34-Se-76 MT4 (α,n) >>



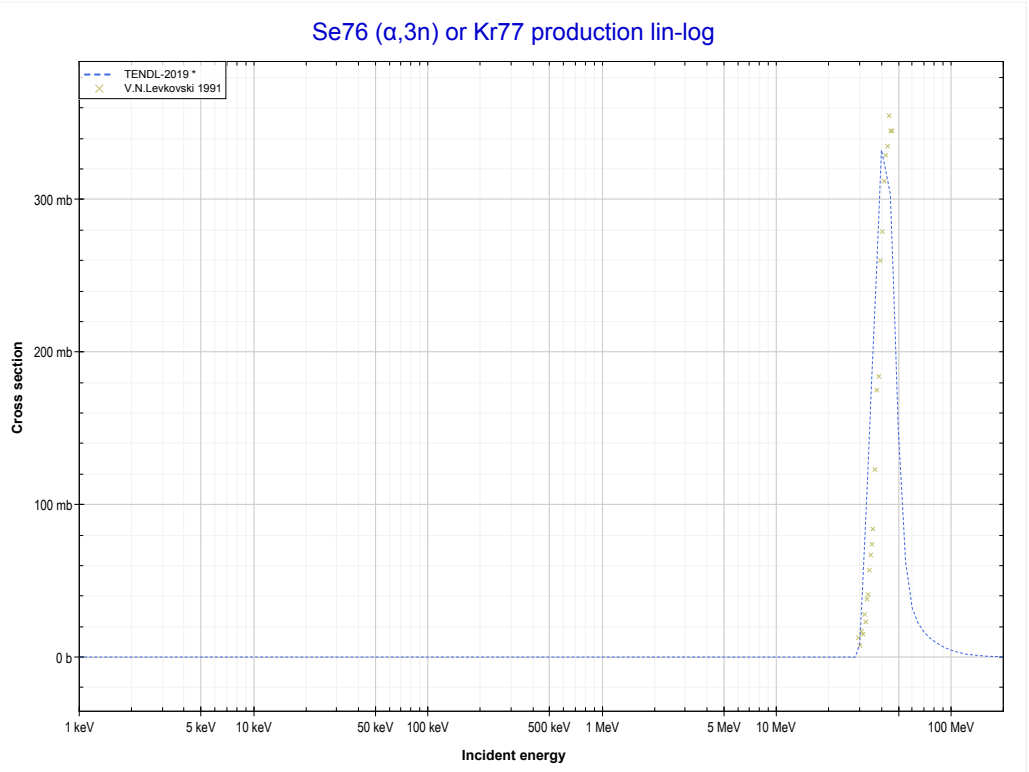
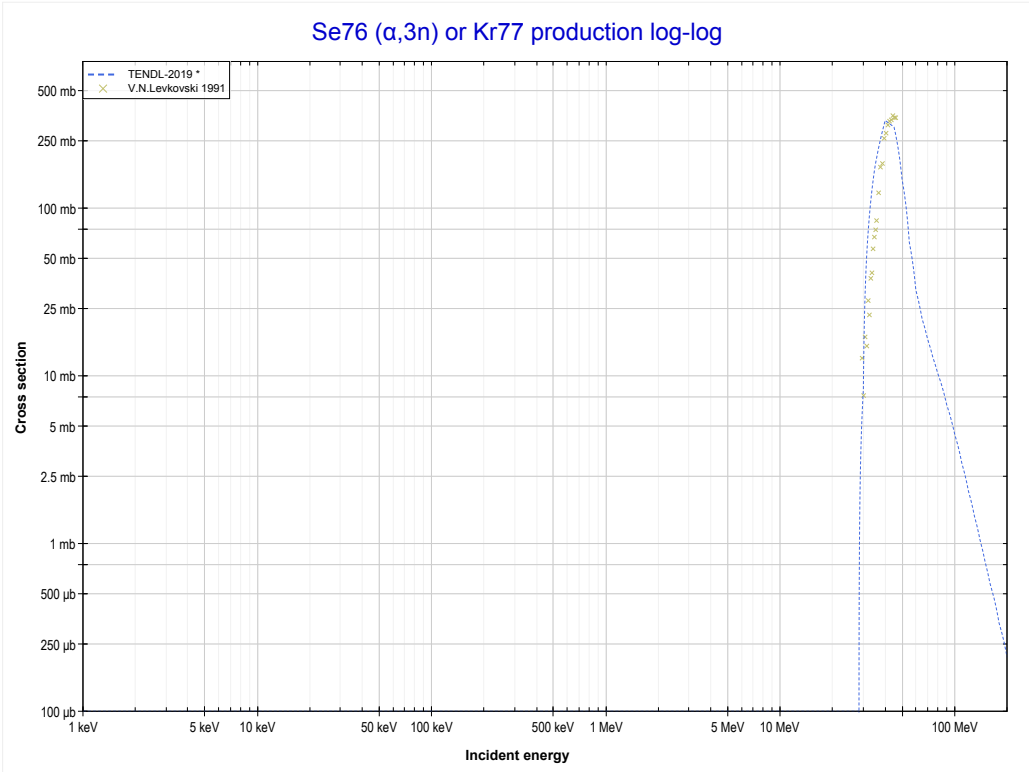
Reaction	Q-Value
Se74($\alpha,2n+\alpha$)Se72	-20487.64 keV
Se74($\alpha,2t$)Se72	-31819.71 keV
Se74($\alpha,n+d+t$)Se72	-38076.93 keV
Se74($\alpha,2n+p+t$)Se72	-40301.50 keV
Se74($\alpha,3n+\text{He3}$)Se72	-41065.25 keV
Se74($\alpha,2n+2d$)Se72	-44334.16 keV
Se74($\alpha,3n+p+d$)Se72	-46558.73 keV
Se74($\alpha,4n+2p$)Se72	-48783.29 keV

<< 34-Se-74	34-Se-76	34-Se-82 >>
<< 34-Se-74 MT194 (α,4n+2p)	MT4 (α,n) or MT5 (Kr79 production)	MT17 (α,3n) >>



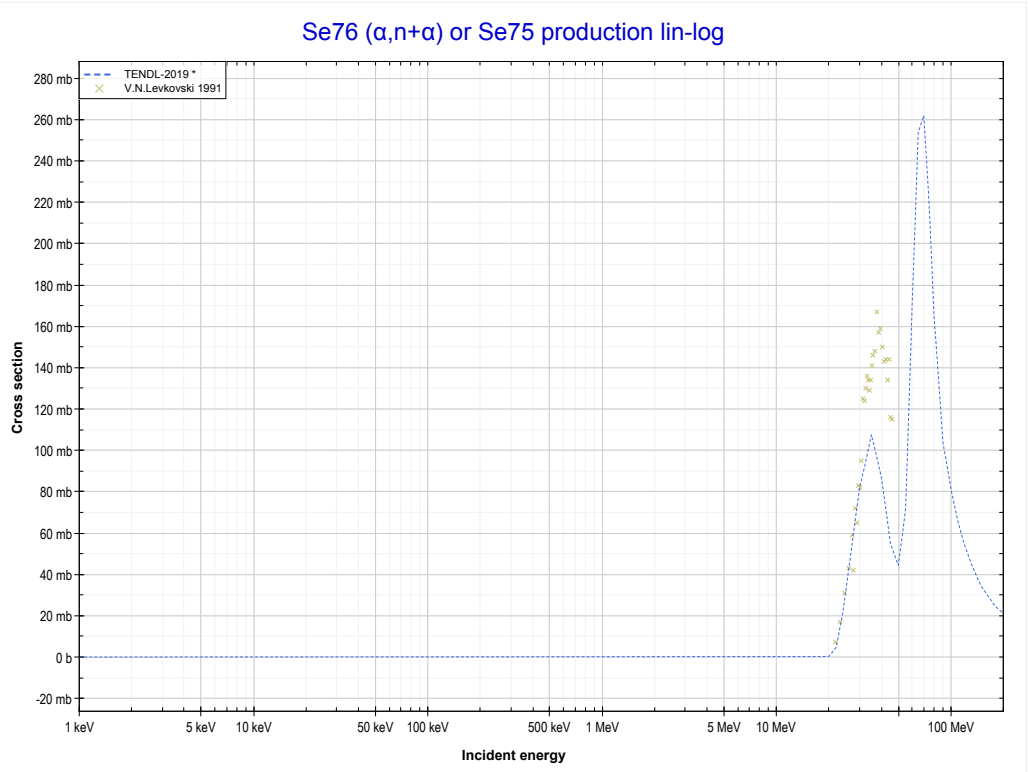
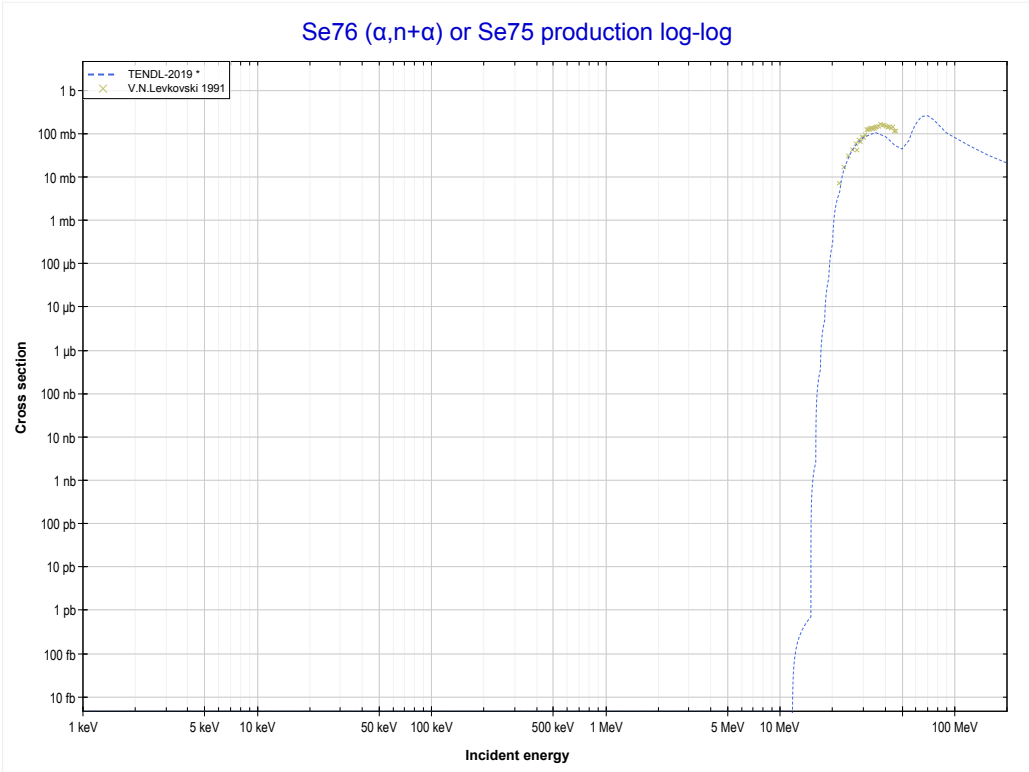
Reaction	Q-Value
Se76(α,n)Kr79	-6456.35 keV

<< 33-As-75	34-Se-76	34-Se-78 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Kr77 production)	MT22 (α,n+α) >>



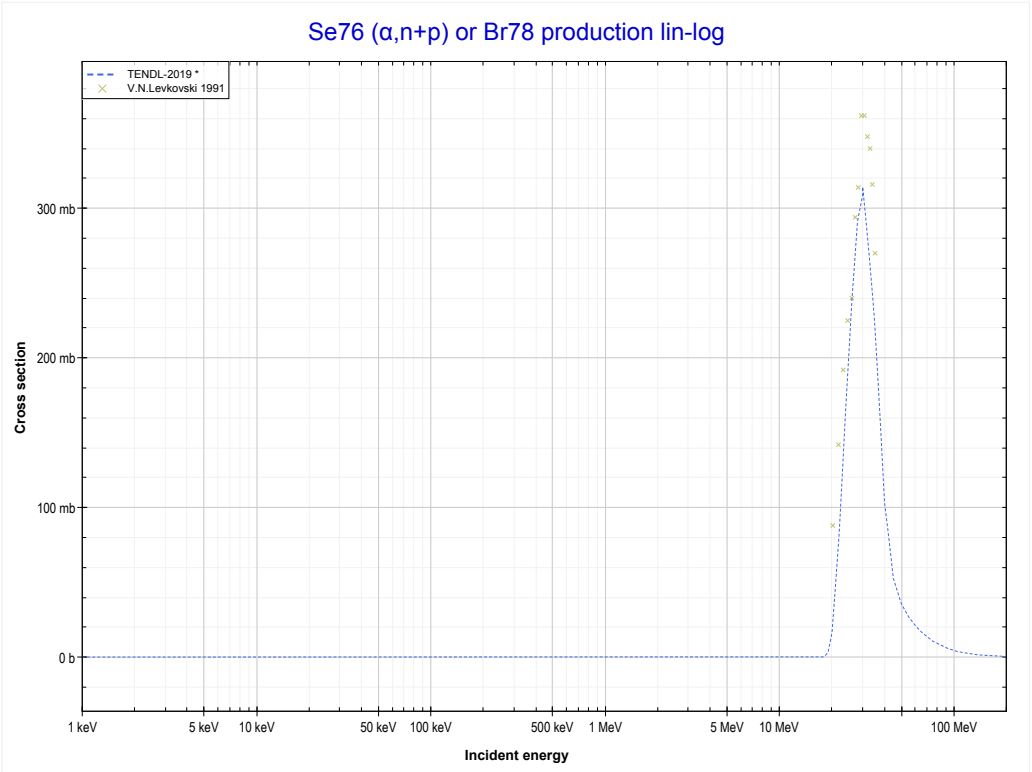
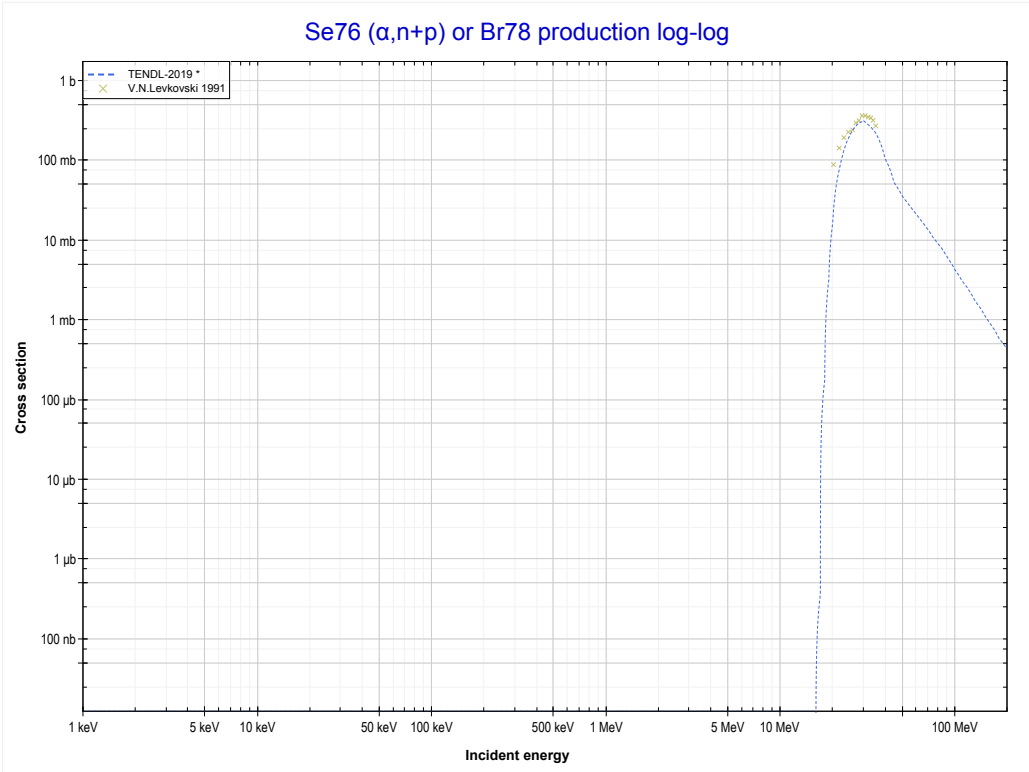
Reaction	Q-Value
Se76(α,3n)Kr77	-26871.59 keV

<< 34-Se-74	34-Se-76	35-Br-79 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Se75 production)	MT28 (α,n+p) >>



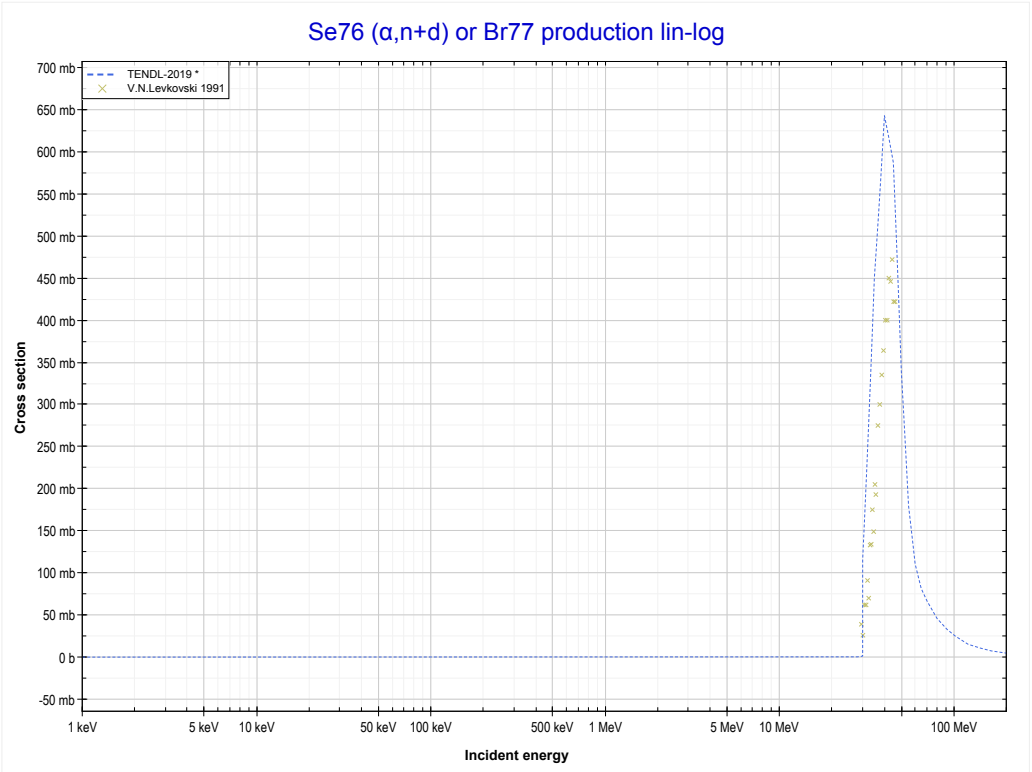
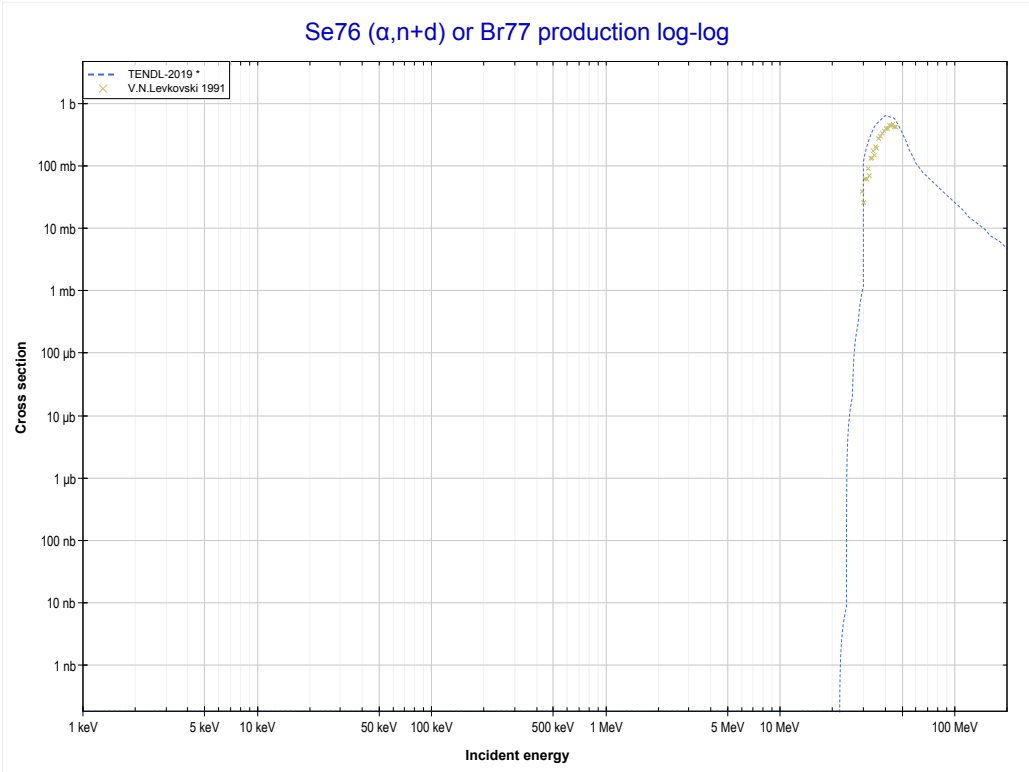
Reaction	Q-Value
Se76(α,n+α)Se75	-11153.79 keV
Se76(α,d+t)Se75	-28743.09 keV
Se76(α,n+p+t)Se75	-30967.65 keV
Se76(α,2n+He3)Se75	-31731.41 keV
Se76(α,n+2d)Se75	-35000.31 keV
Se76(α,2n+p+d)Se75	-37224.88 keV
Se76(α,3n+2p)Se75	-39449.45 keV

<< 34-Se-74	34-Se-76	34-Se-78 >>
<< MT22 ($\alpha,n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Br78 production)	MT32 ($\alpha,n+d$) >>



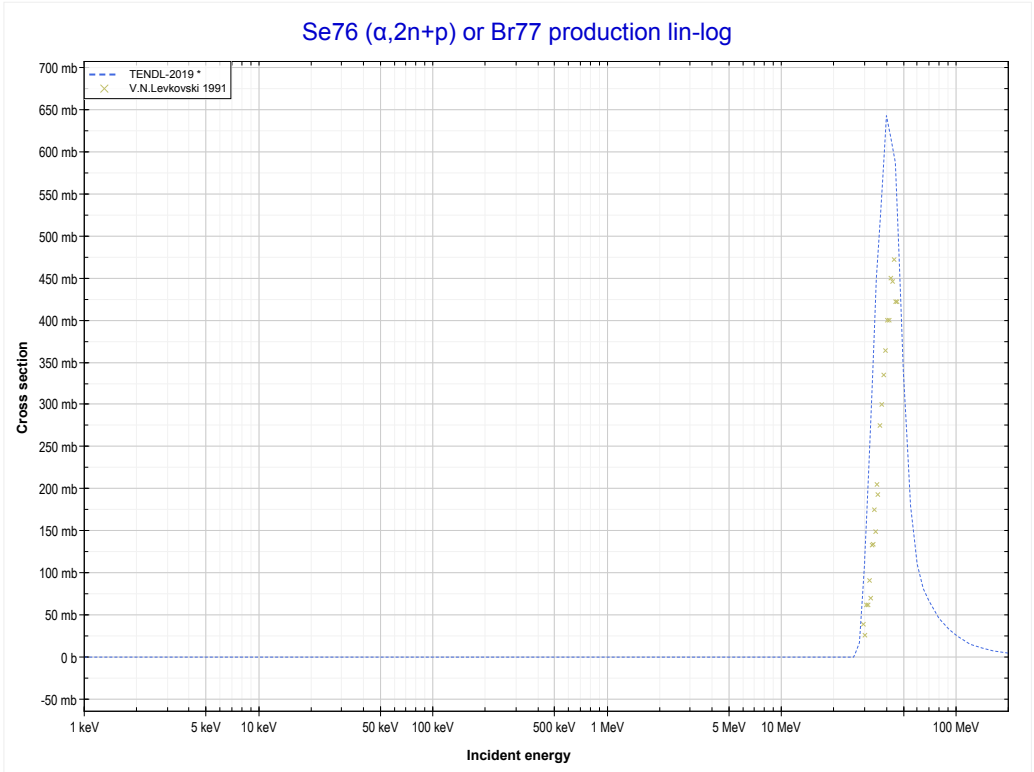
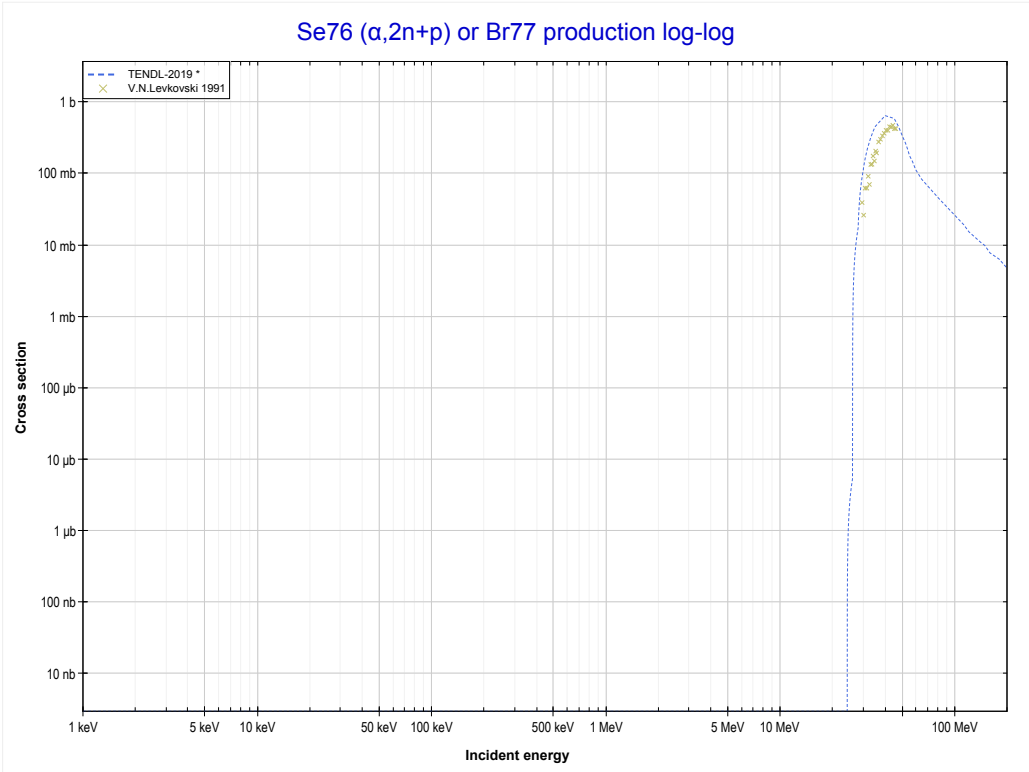
Reaction	Q-Value
Se76(α,d)Br78	-12510.76 keV
Se76($\alpha,n+p$)Br78	-14735.32 keV

<< 34-Se-74	34-Se-76	38-Sr-87 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Br77 production)	MT41 (α,2n+p) >>



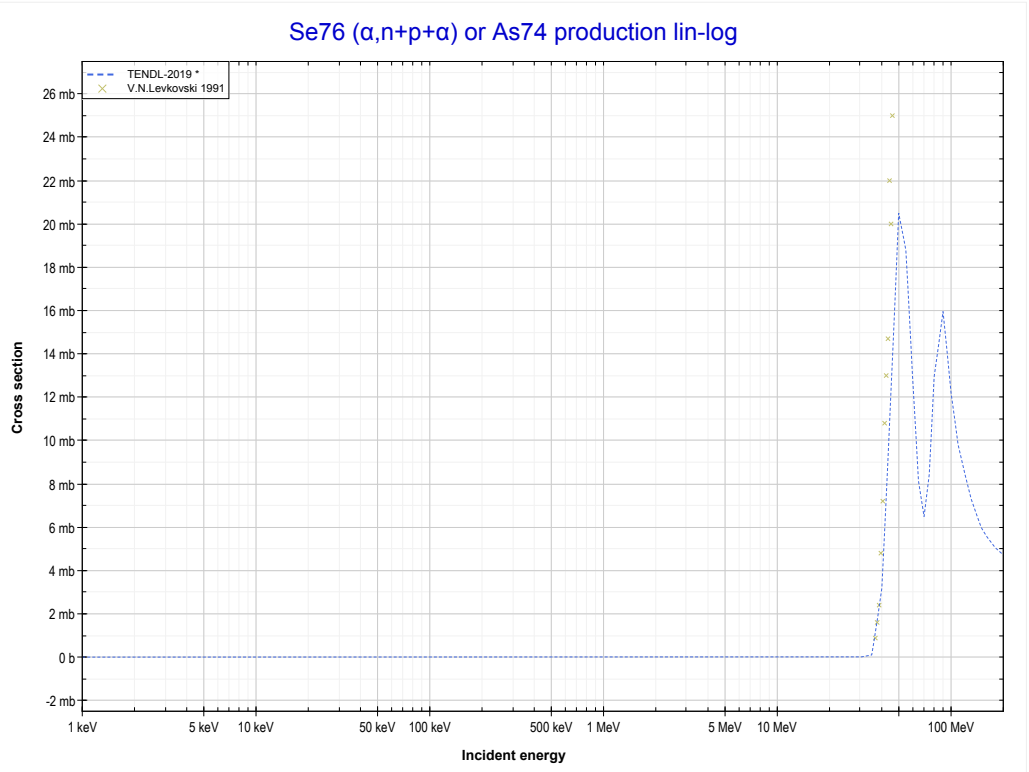
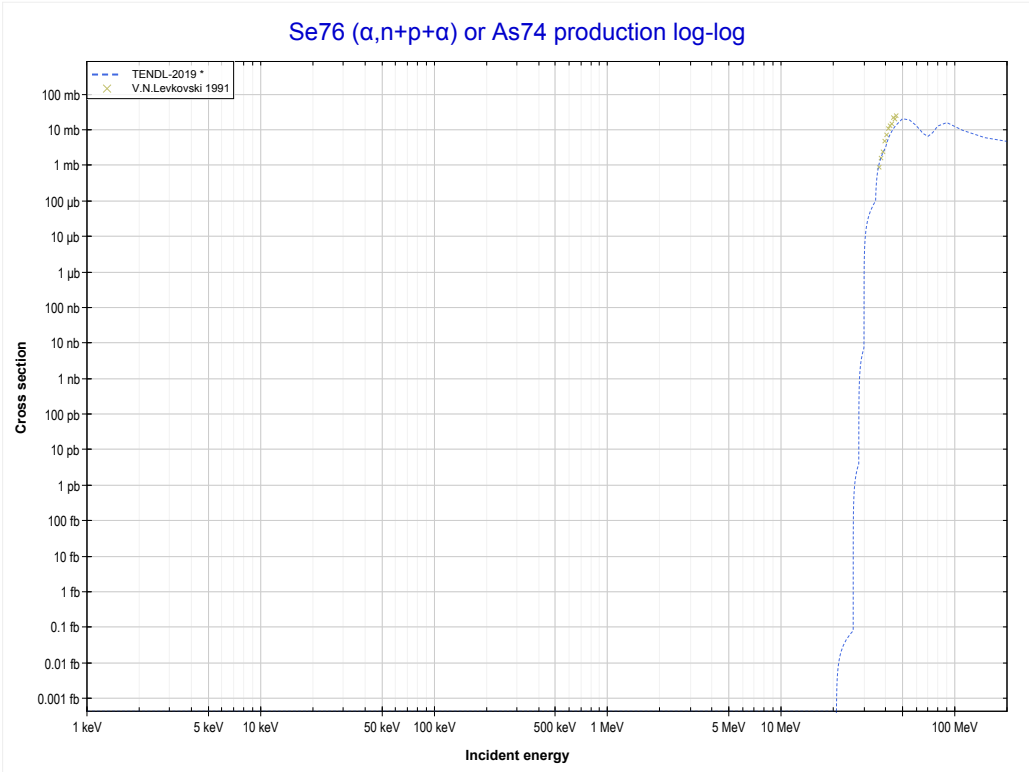
Reaction	Q-Value
Se76(α,t)Br77	-14542.04 keV
Se76(α,n+d)Br77	-20799.27 keV
Se76(α,2n+p)Br77	-23023.84 keV

<< 34-Se-74	34-Se-76	38-Sr-87 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Br77 production)	MT45 (α,n+p+α) >>



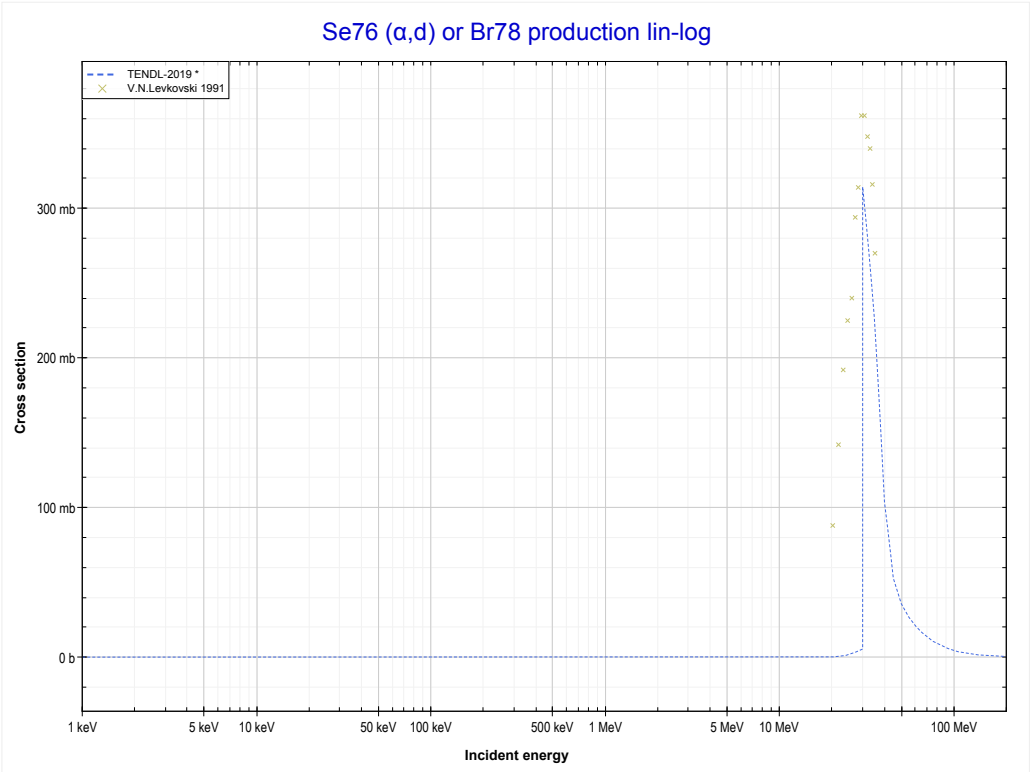
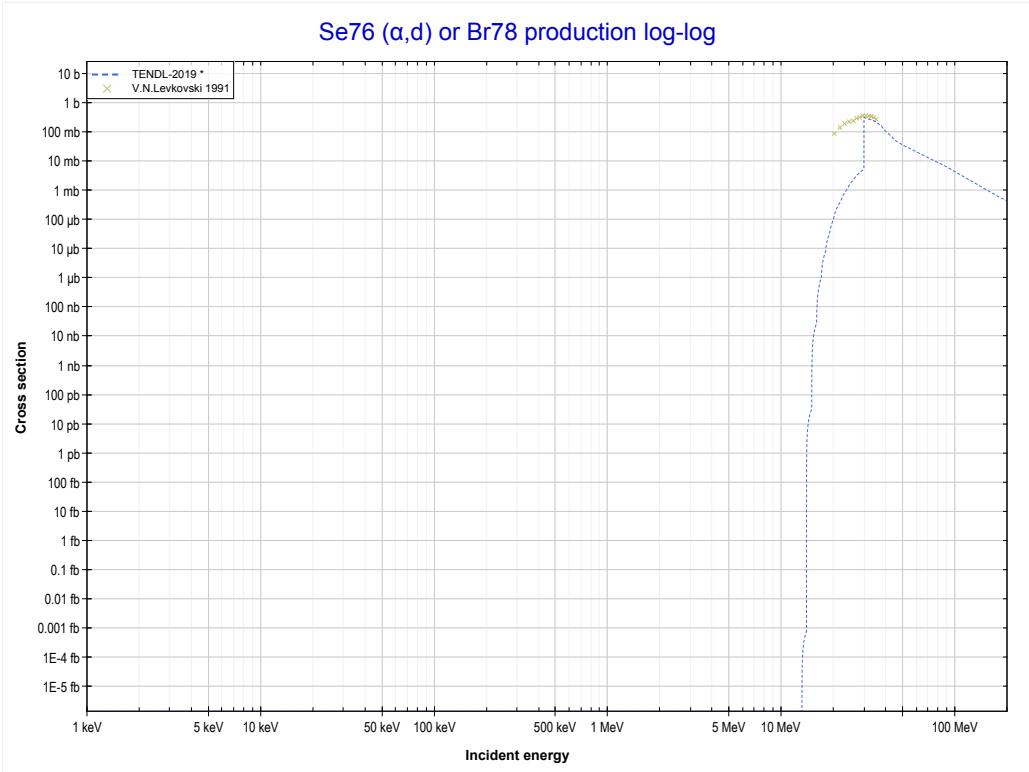
Reaction	Q-Value
Se76(α,t)Br77	-14542.04 keV
Se76(α,n+d)Br77	-20799.27 keV
Se76(α,2n+p)Br77	-23023.84 keV

<< 34-Se-74	34-Se-76	40-Zr-90 >>
<< MT41 (α,2n+p)	MT45 (α,n+p+α) or MT5 (As74 production)	MT104 (α,d) >>



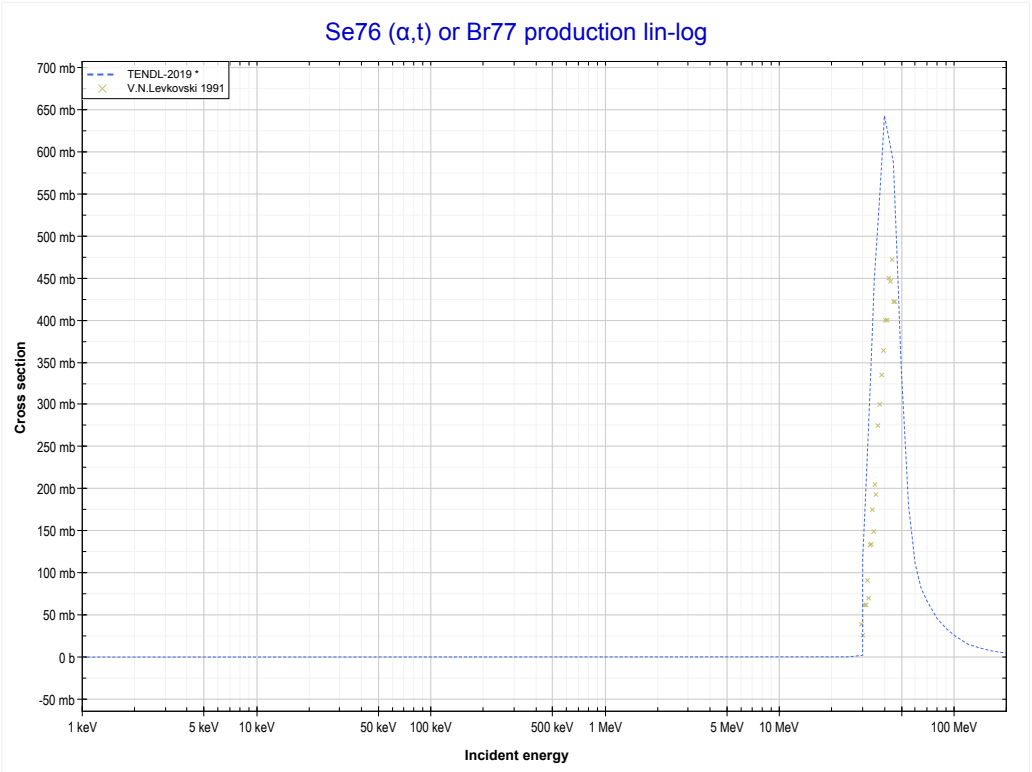
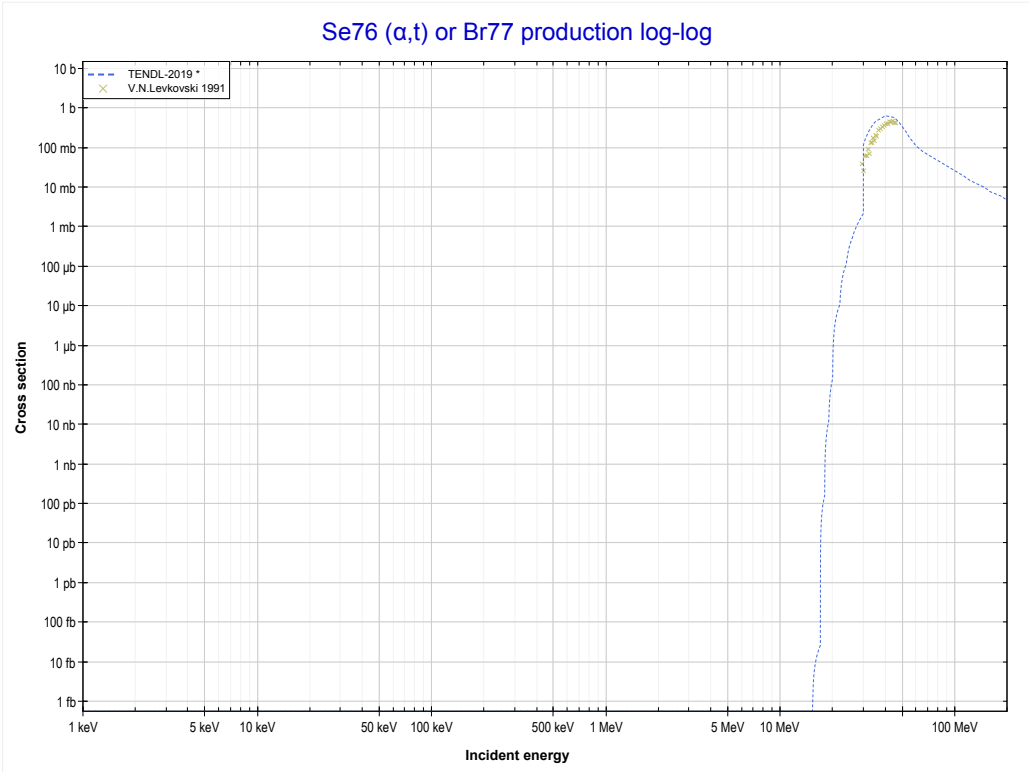
Reaction	Q-Value	Reaction	Q-Value
Se76(α,d+α)As74	-17527.57 keV	Se76(α,n+p+2d)As74	-43598.67 keV
Se76(α,n+p+α)As74	-19752.14 keV	Se76(α,2n+2p+d)As74	-45823.23 keV
Se76(α,t+He3)As74	-31847.96 keV	Se76(α,3n+3p)As74	-48047.80 keV
Se76(α,p+d+t)As74	-37341.44 keV		
Se76(α,n+d+He3)As74	-38105.19 keV		
Se76(α,n+2p+t)As74	-39566.00 keV		
Se76(α,2n+p+He3)As74	-40329.76 keV		
Se76(α,3d)As74	-41374.10 keV		

<< 34-Se-74	34-Se-76	34-Se-78 >>
<< MT45 (α,n+p+α)	MT104 (α,d) or MT5 (Br78 production)	MT105 (α,t) >>



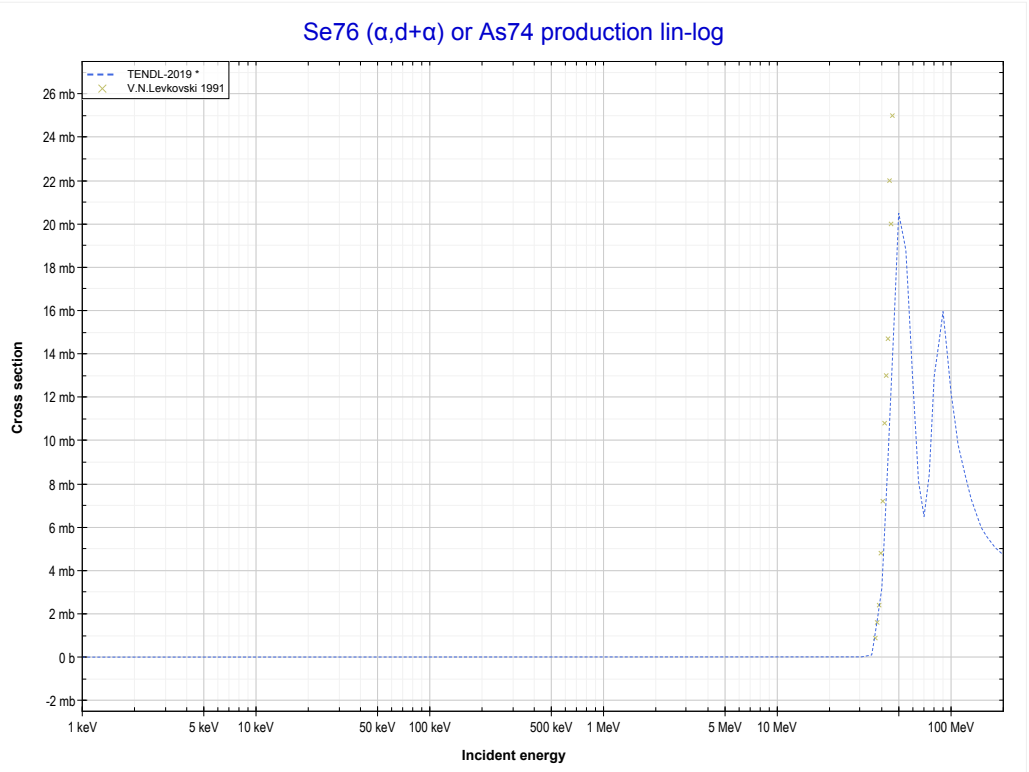
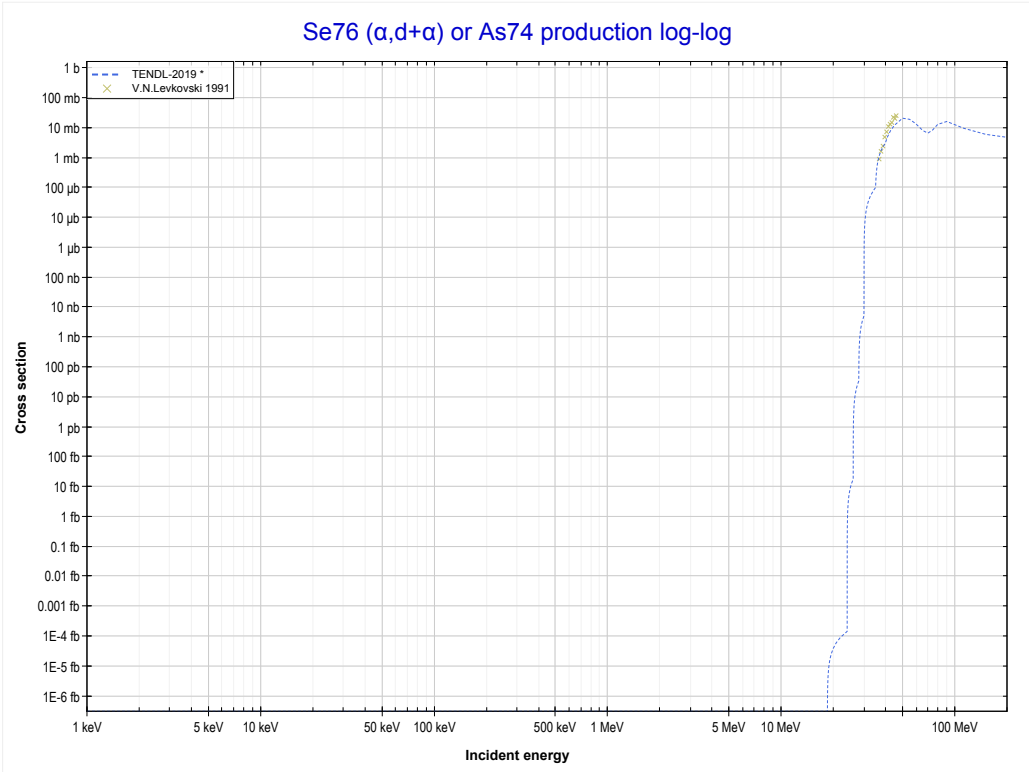
Reaction	Q-Value
Se76(α,d)Br78	-12510.76 keV
Se76(α,n+p)Br78	-14735.32 keV

<< 34-Se-74	34-Se-76	38-Sr-87 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Br77 production)	MT117 (α,d+α) >>



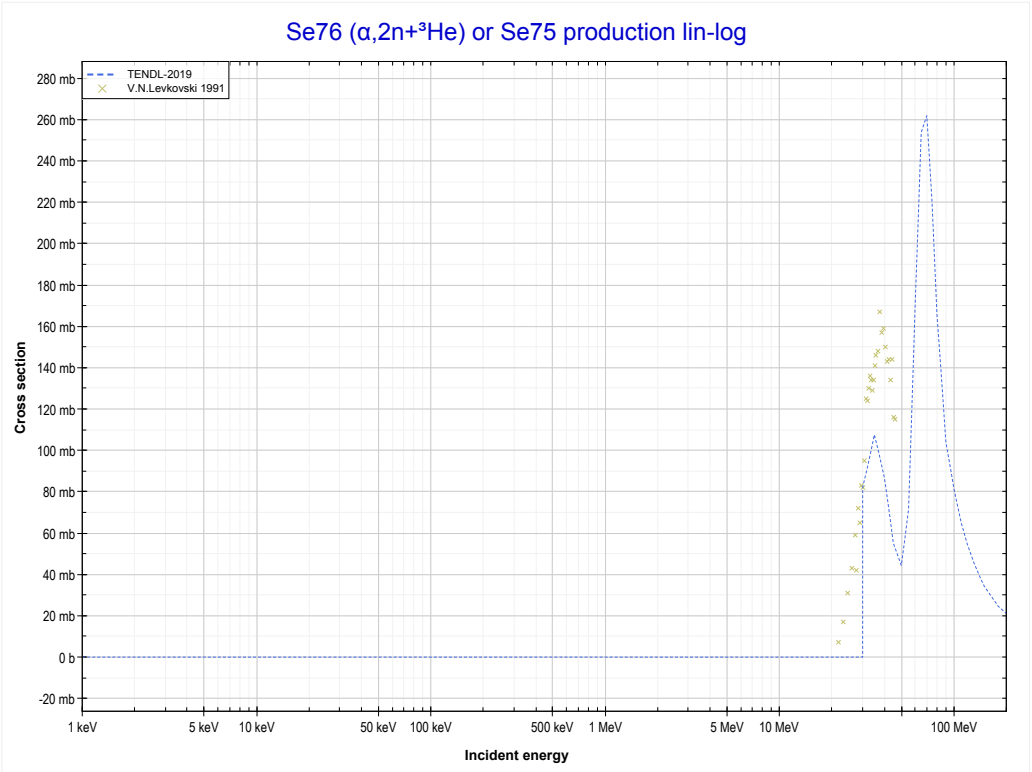
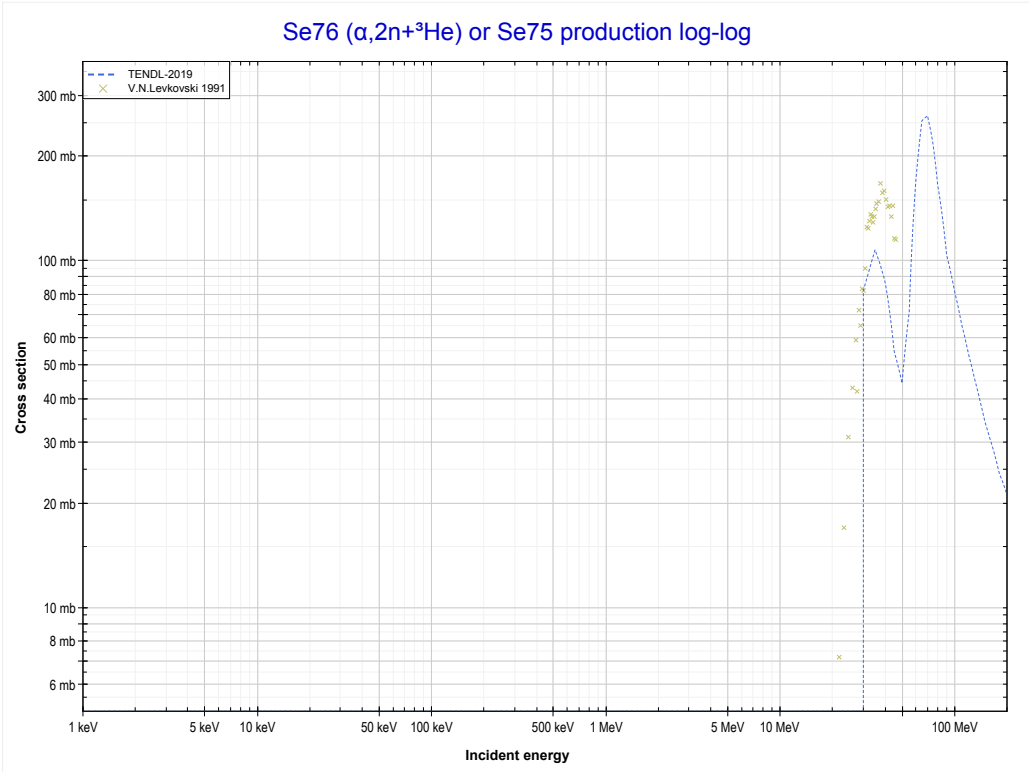
Reaction	Q-Value
Se76(α,t)Br77	-14542.04 keV
Se76(α,n+d)Br77	-20799.27 keV
Se76(α,2n+p)Br77	-23023.84 keV

<< 34-Se-74	34-Se-76	40-Zr-90 >>
<< MT105 (α,t)	MT117 (α,d+α) or MT5 (As74 production)	MT176 (α,2n+ ³ He) >>



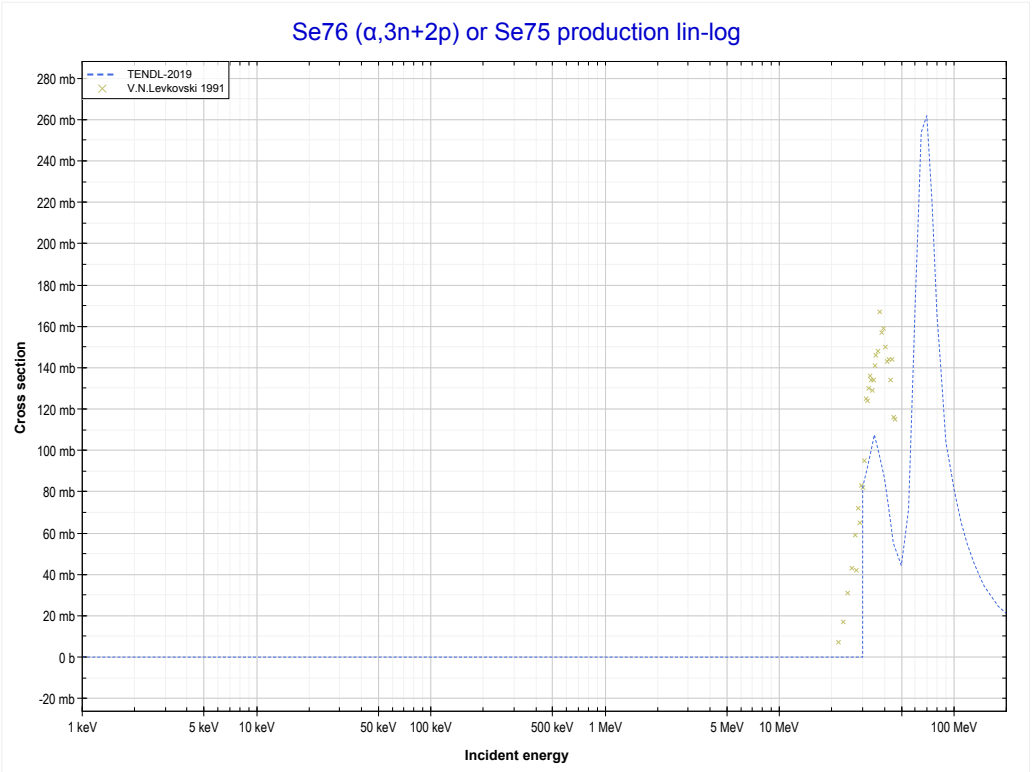
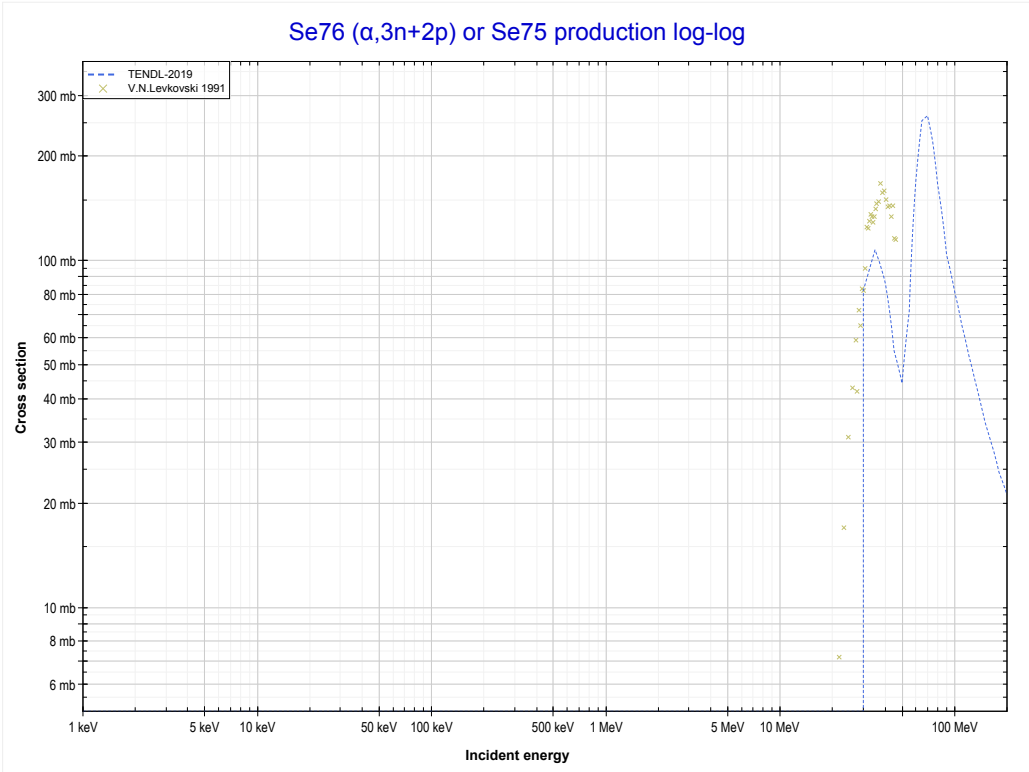
Reaction	Q-Value	Reaction	Q-Value
Se76(α,d+α)As74	-17527.57 keV	Se76(α,n+p+2d)As74	-43598.67 keV
Se76(α,n+p+α)As74	-19752.14 keV	Se76(α,2n+2p+d)As74	-45823.23 keV
Se76(α,t+He3)As74	-31847.96 keV	Se76(α,3n+3p)As74	-48047.80 keV
Se76(α,p+d+t)As74	-37341.44 keV		
Se76(α,n+d+He3)As74	-38105.19 keV		
Se76(α,n+2p+t)As74	-39566.00 keV		
Se76(α,2n+p+He3)As74	-40329.76 keV		
Se76(α,3d)As74	-41374.10 keV		

<< 34-Se-74	34-Se-76	37-Rb-85 >>
<< MT117 (α,d+α)	MT176 (α,2n+ ³ He) or MT5 (Se75 production)	MT179 (α,3n+2p) >>



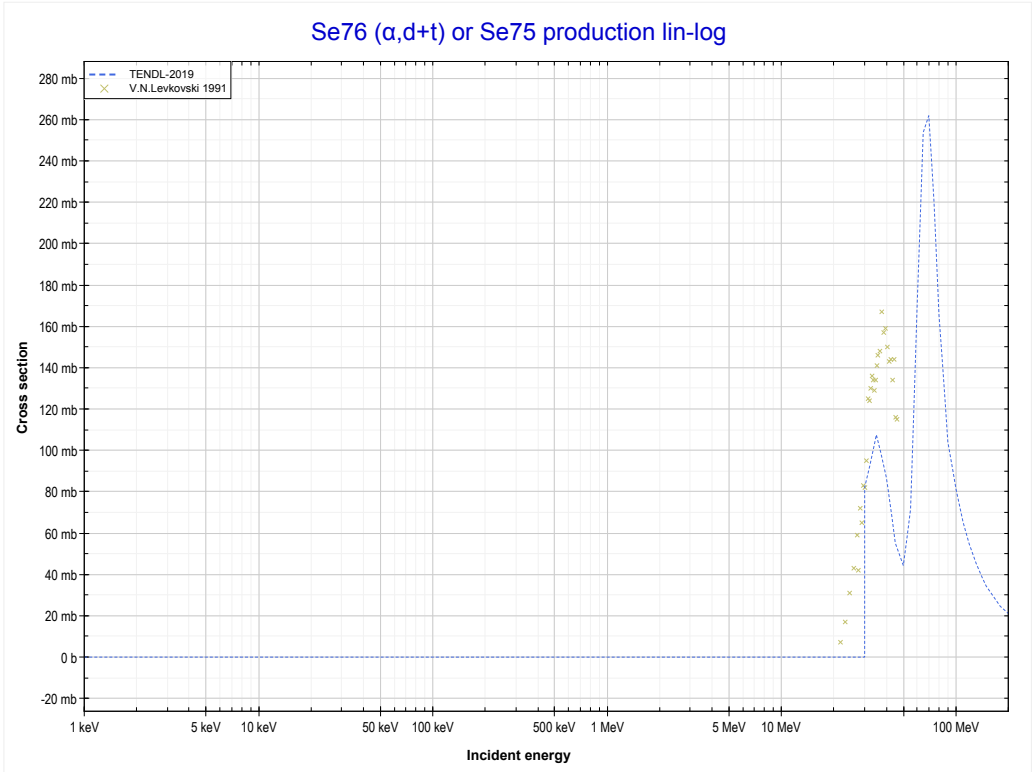
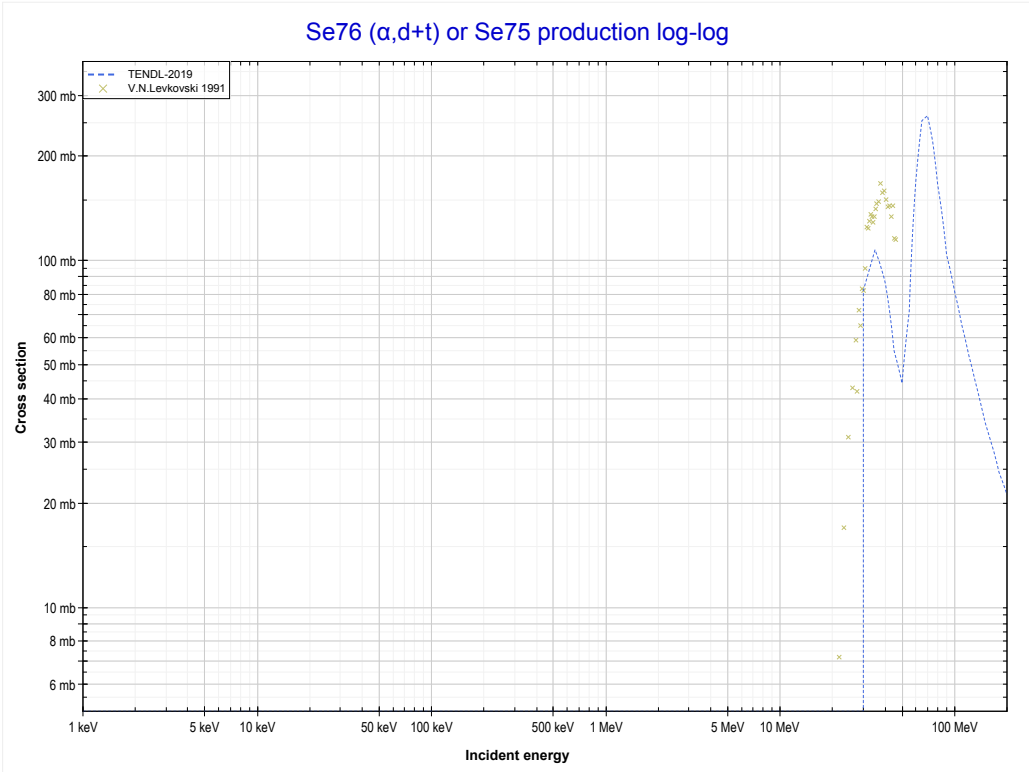
Reaction	Q-Value
Se76(α,n+α)Se75	-11153.79 keV
Se76(α,d+t)Se75	-28743.09 keV
Se76(α,n+p+t)Se75	-30967.65 keV
Se76(α,2n+He3)Se75	-31731.41 keV
Se76(α,n+2d)Se75	-35000.31 keV
Se76(α,2n+p+d)Se75	-37224.88 keV
Se76(α,3n+2p)Se75	-39449.45 keV

<< 34-Se-74	34-Se-76	37-Rb-85 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Se75 production)	MT182 ($\alpha,d+t$) >>



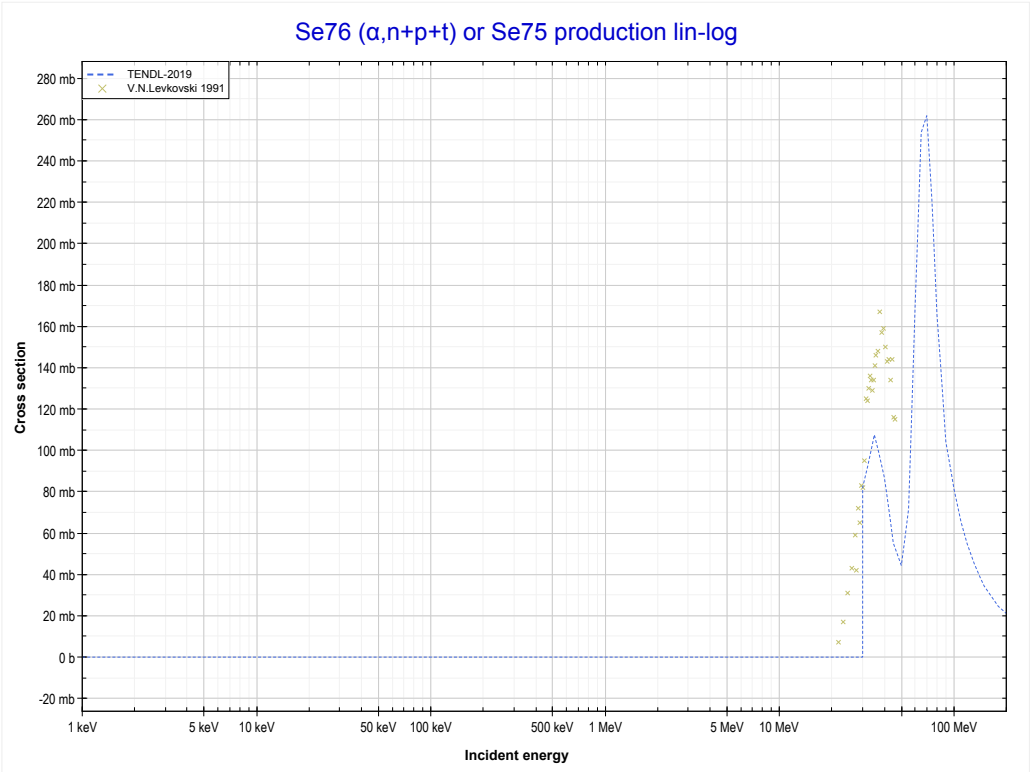
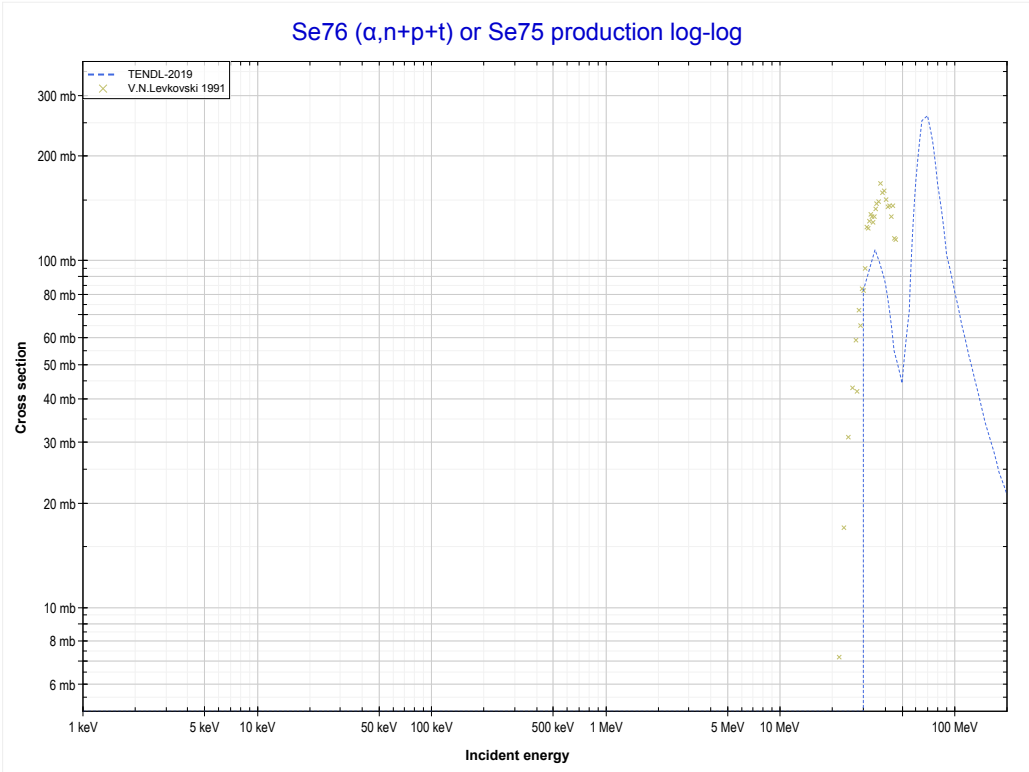
Reaction	Q-Value
Se76($\alpha,n+\alpha$)Se75	-11153.79 keV
Se76($\alpha,d+t$)Se75	-28743.09 keV
Se76($\alpha,n+p+t$)Se75	-30967.65 keV
Se76($\alpha,2n+\text{He3}$)Se75	-31731.41 keV
Se76($\alpha,n+2d$)Se75	-35000.31 keV
Se76($\alpha,2n+p+d$)Se75	-37224.88 keV
Se76($\alpha,3n+2p$)Se75	-39449.45 keV

<< 34-Se-74	34-Se-76	37-Rb-85 >>
<< MT179 (α,3n+2p)	MT182 (α,d+t) or MT5 (Se75 production)	MT184 (α,n+p+t) >>



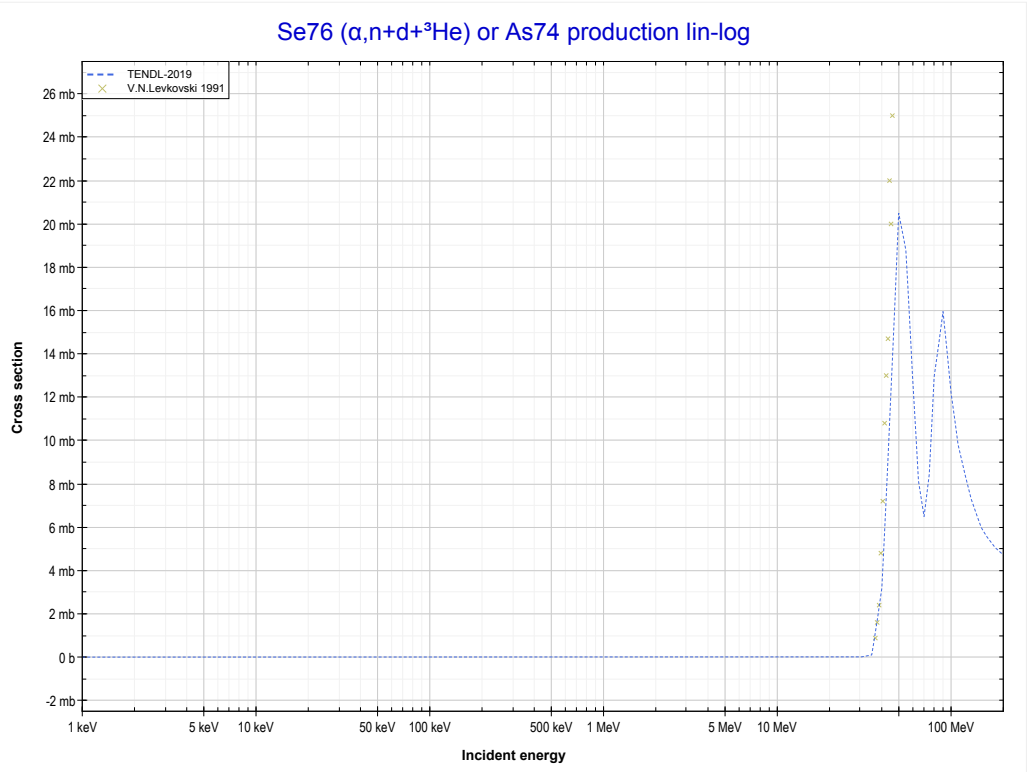
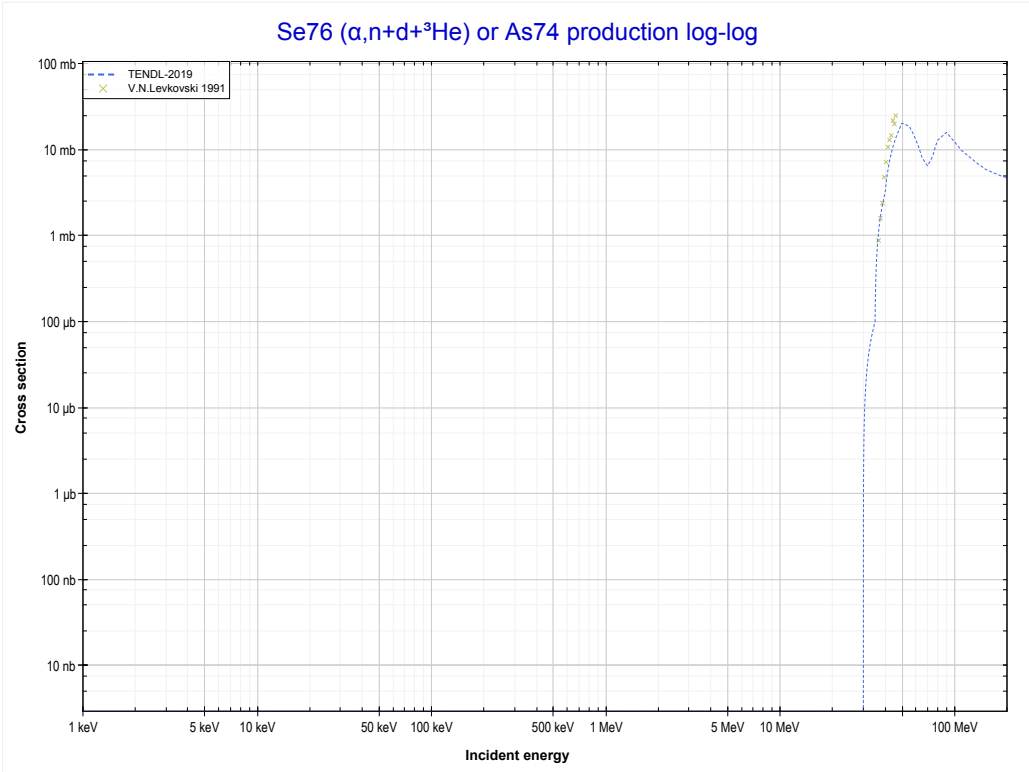
Reaction	Q-Value
Se76(α,n+α)Se75	-11153.79 keV
Se76(α,d+t)Se75	-28743.09 keV
Se76(α,n+p+t)Se75	-30967.65 keV
Se76(α,2n+He3)Se75	-31731.41 keV
Se76(α,n+2d)Se75	-35000.31 keV
Se76(α,2n+p+d)Se75	-37224.88 keV
Se76(α,3n+2p)Se75	-39449.45 keV

<< 34-Se-74	34-Se-76	37-Rb-85 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Se75 production)	MT187 (α,n+d+ ³ He) >>



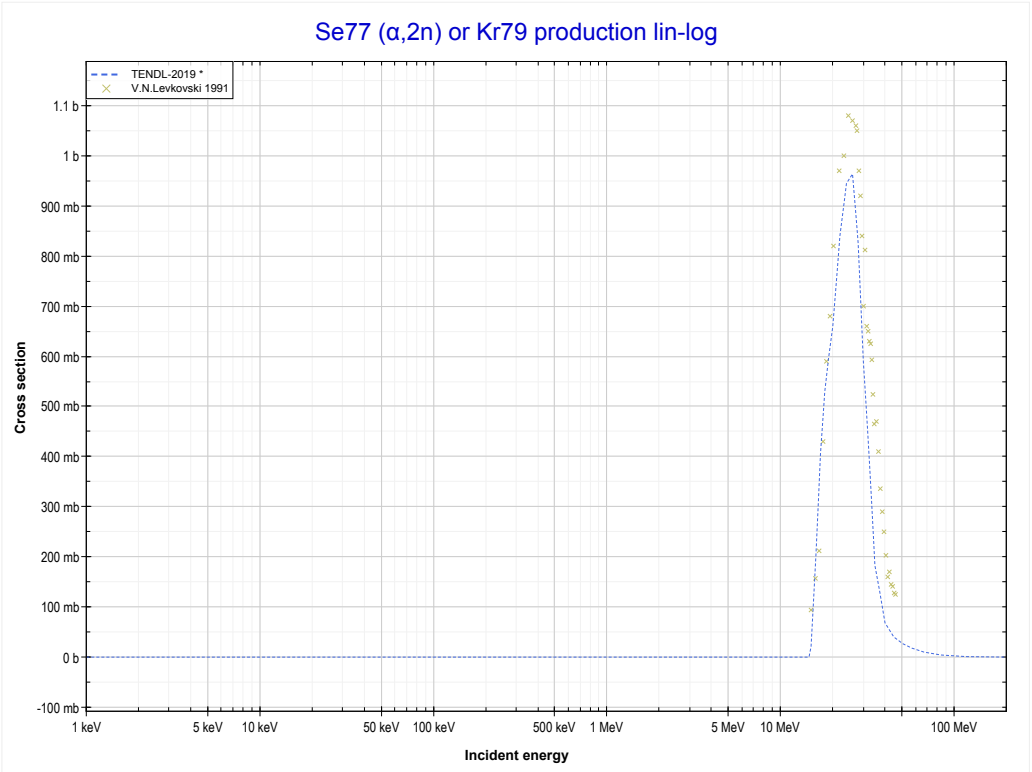
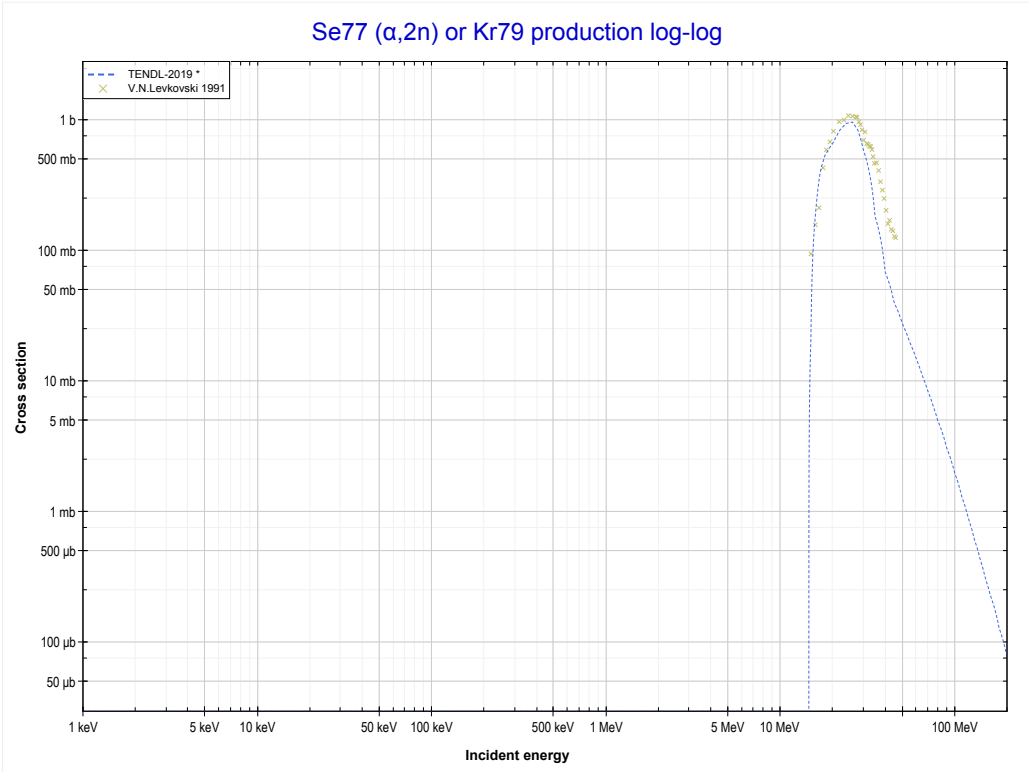
Reaction	Q-Value
Se76(α,n+α)Se75	-11153.79 keV
Se76(α,d+t)Se75	-28743.09 keV
Se76(α,n+p+t)Se75	-30967.65 keV
Se76(α,2n+He3)Se75	-31731.41 keV
Se76(α,n+2d)Se75	-35000.31 keV
Se76(α,2n+p+d)Se75	-37224.88 keV
Se76(α,3n+2p)Se75	-39449.45 keV

<< 34-Se-74	34-Se-76	40-Zr-90 >>
<< MT184 ($\alpha,n+p+t$)	MT187 ($\alpha,n+d+^3\text{He}$) or MT5 (As74 production)	34-Se-77 MT16 ($\alpha,2n$) >>



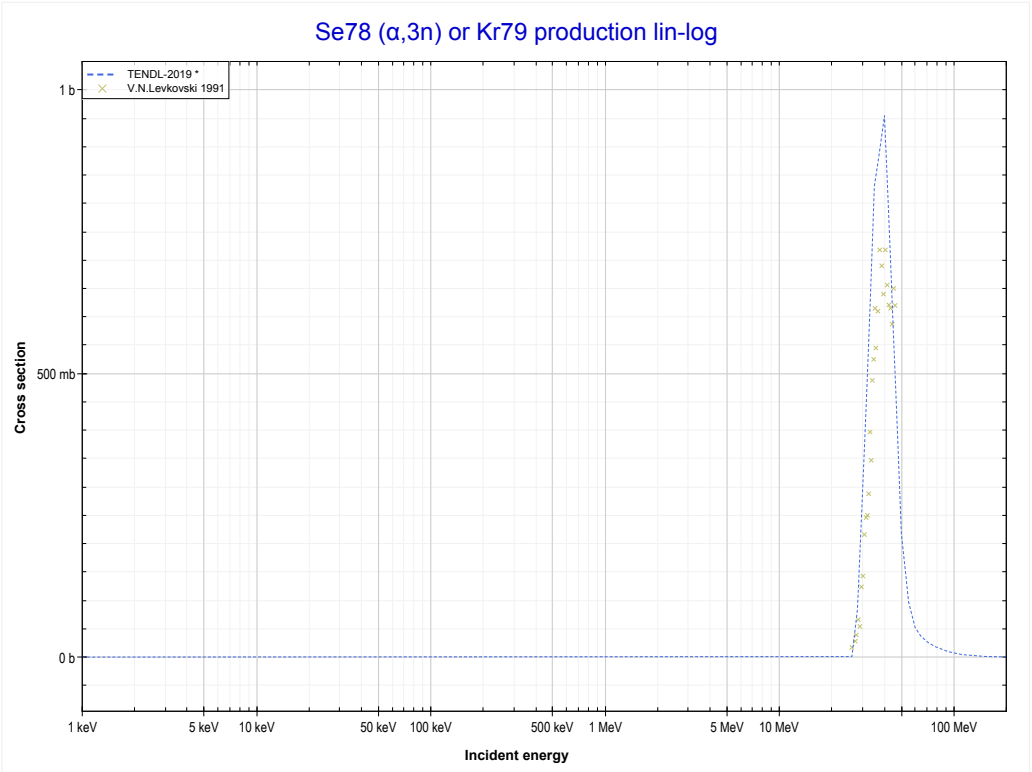
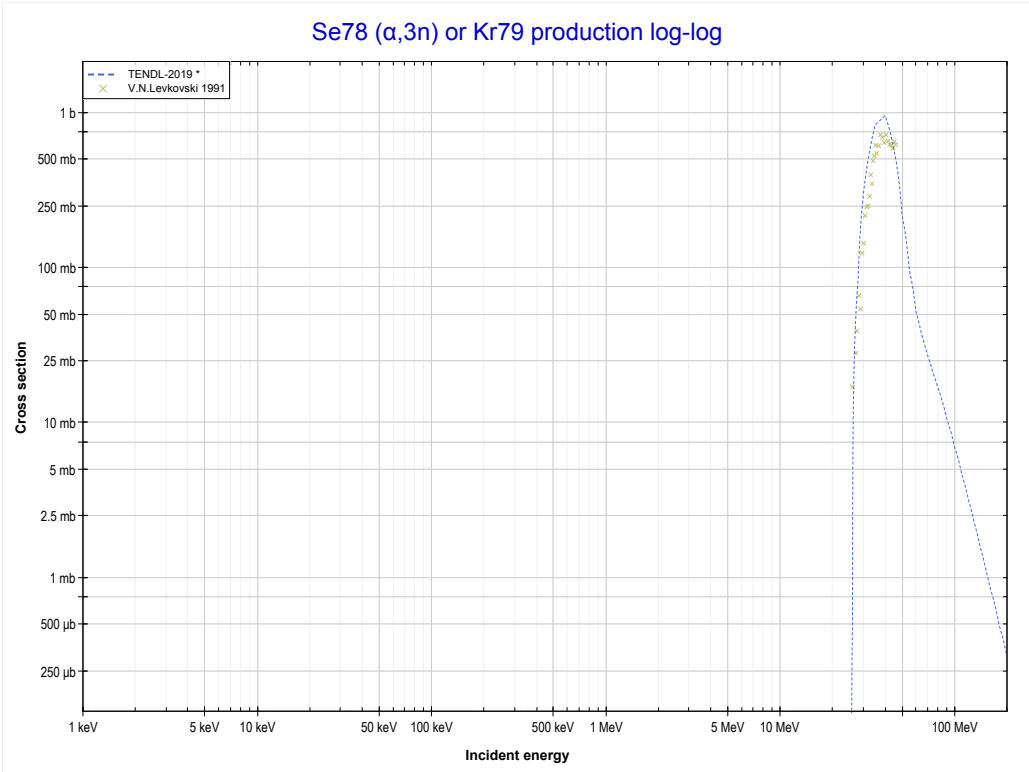
Reaction	Q-Value	Reaction	Q-Value
Se76($\alpha,d+\alpha$)As74	-17527.57 keV	Se76($\alpha,n+p+2d$)As74	-43598.67 keV
Se76($\alpha,n+p+\alpha$)As74	-19752.14 keV	Se76($\alpha,2n+2p+d$)As74	-45823.23 keV
Se76($\alpha,t+^3\text{He}$)As74	-31847.96 keV	Se76($\alpha,3n+3p$)As74	-48047.80 keV
Se76($\alpha,p+d+t$)As74	-37341.44 keV		
Se76($\alpha,n+d+^3\text{He}$)As74	-38105.19 keV		
Se76($\alpha,n+2p+t$)As74	-39566.00 keV		
Se76($\alpha,2n+p+^3\text{He}$)As74	-40329.76 keV		
Se76($\alpha,3d$)As74	-41374.10 keV		

<< 34-Se-74	34-Se-77	35-Br-79 >>
<< 34-Se-76 MT187 ($\alpha,n+d+^3\text{He}$)	MT16 ($\alpha,2n$) or MT5 (Kr79 production)	34-Se-78 MT17 ($\alpha,3n$) >>



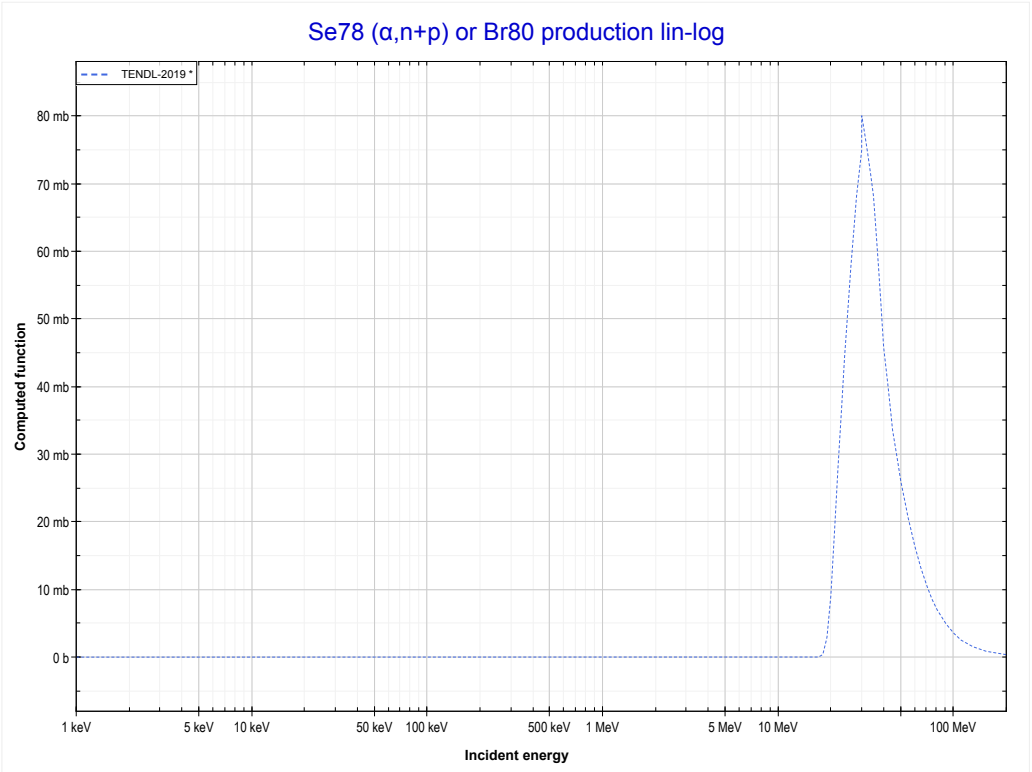
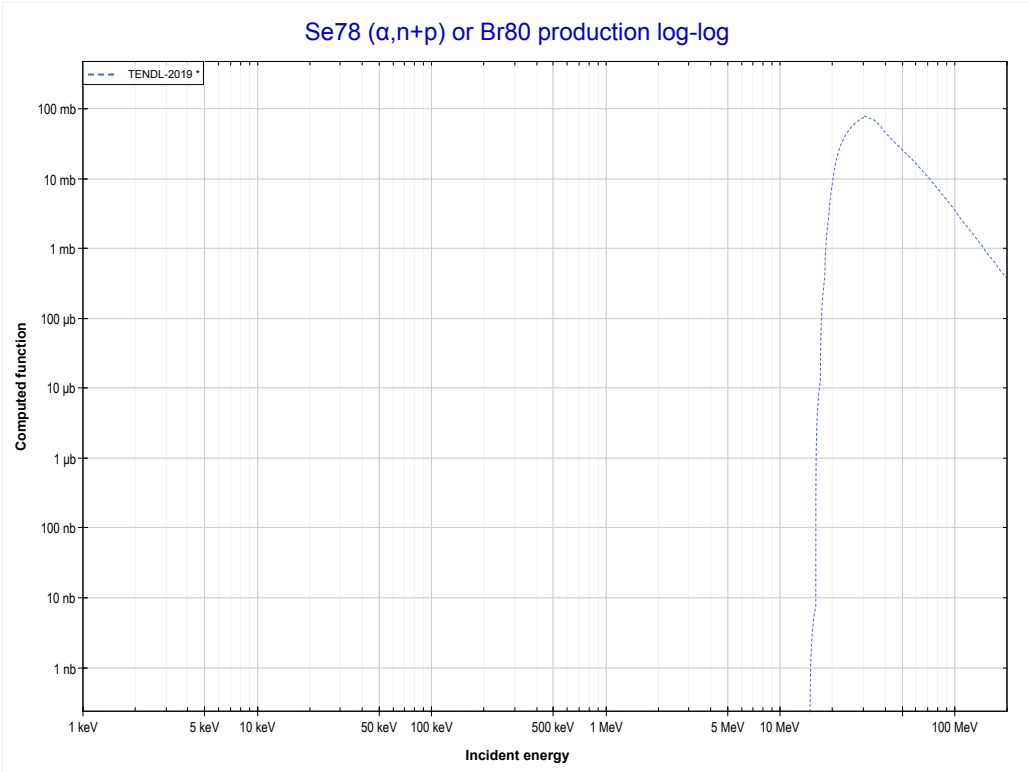
Reaction	Q-Value
Se77($\alpha,2n$)Kr79	-13875.21 keV

<< 34-Se-76	34-Se-78	35-Br-81 >>
<< 34-Se-77 MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Kr79 production)	MT28 ($\alpha,n+p$) >>



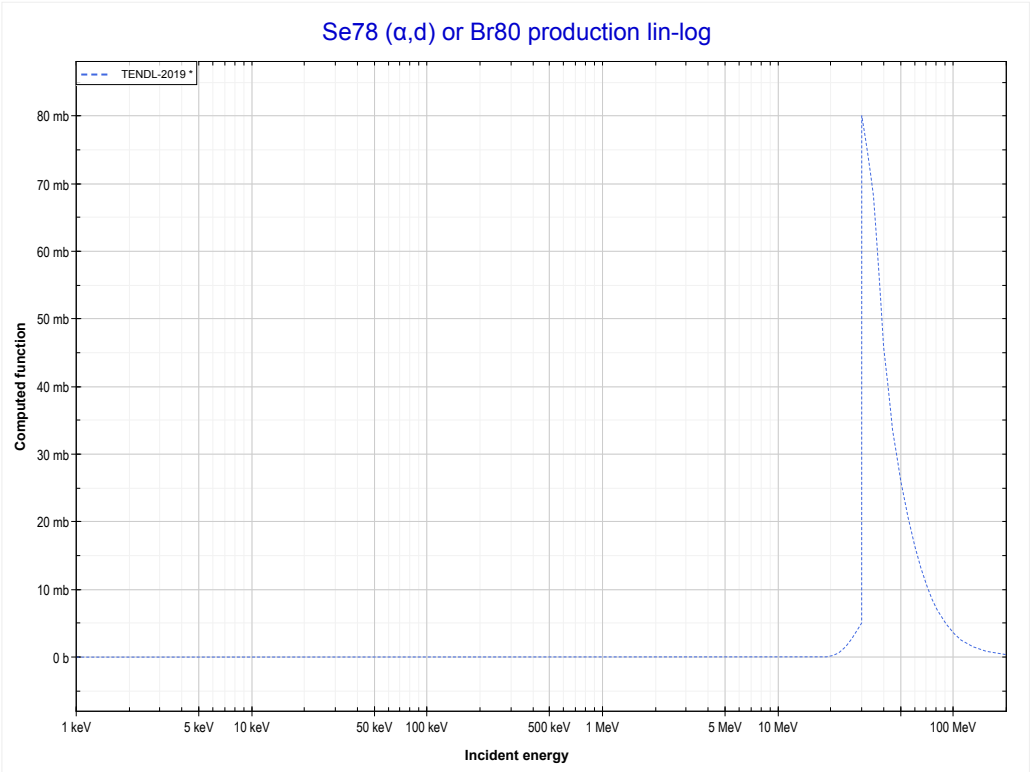
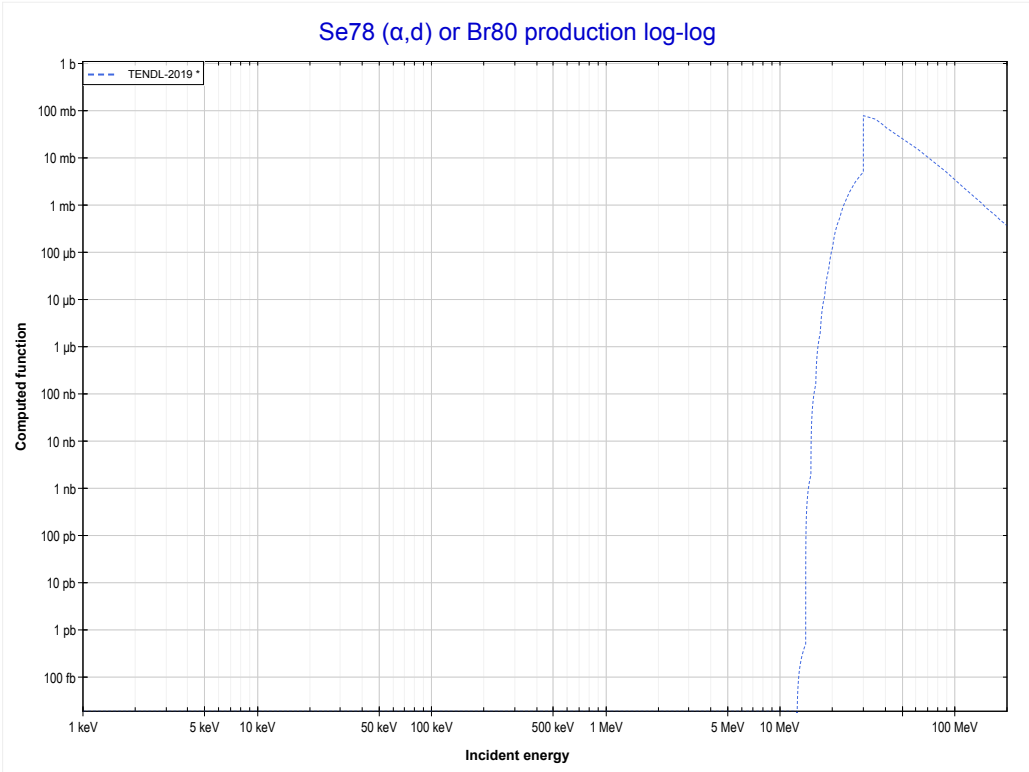
Reaction	Q-Value
Se78($\alpha,3n$)Kr79	-24372.98 keV

<< 34-Se-76	34-Se-78	34-Se-80 >>
<< MT17 (α,3n)	MT28 (α,n+p) or MT5 (Br80 production)	MT104 (α,d) >>



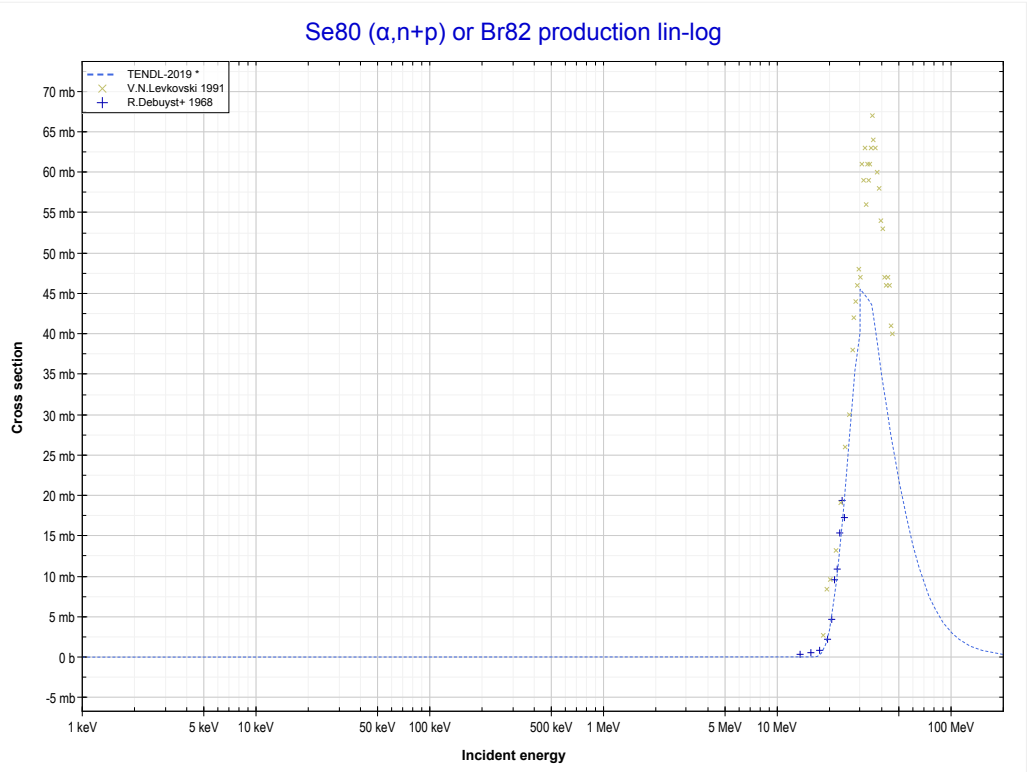
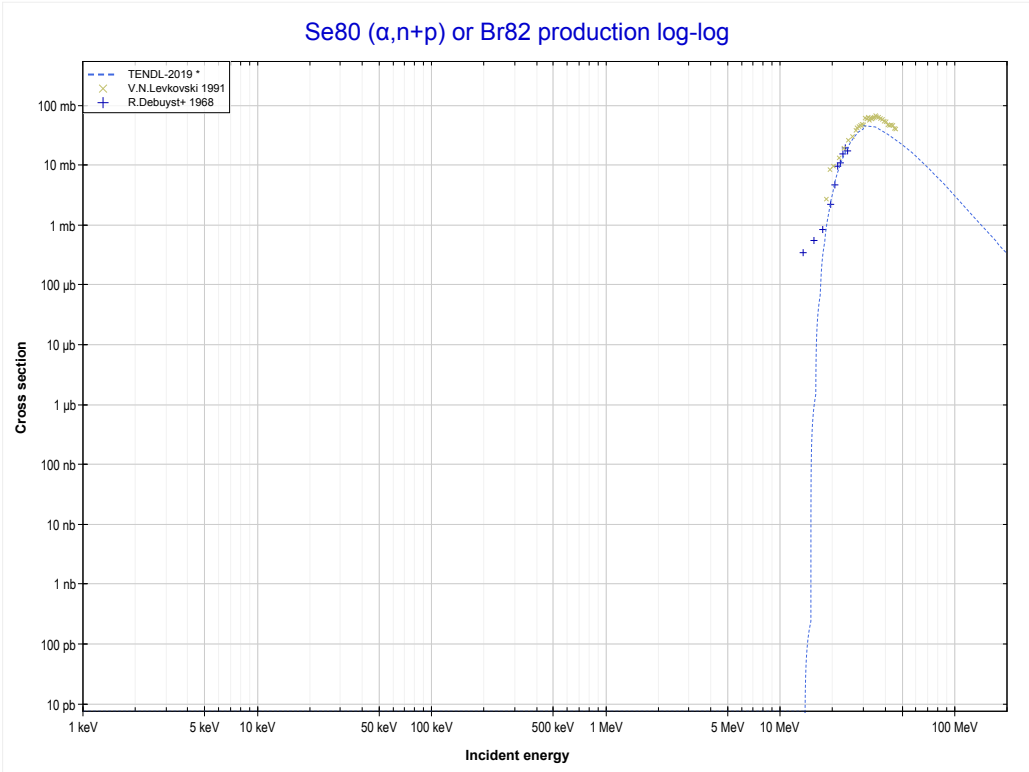
Reaction	Q-Value
Se78(α,d)Br80	-11847.75 keV
Se78(α,n+p)Br80	-14072.31 keV

<< 34-Se-76	34-Se-78	34-Se-80 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (Br80 production)	34-Se-80 MT28 (α,n+p) >>



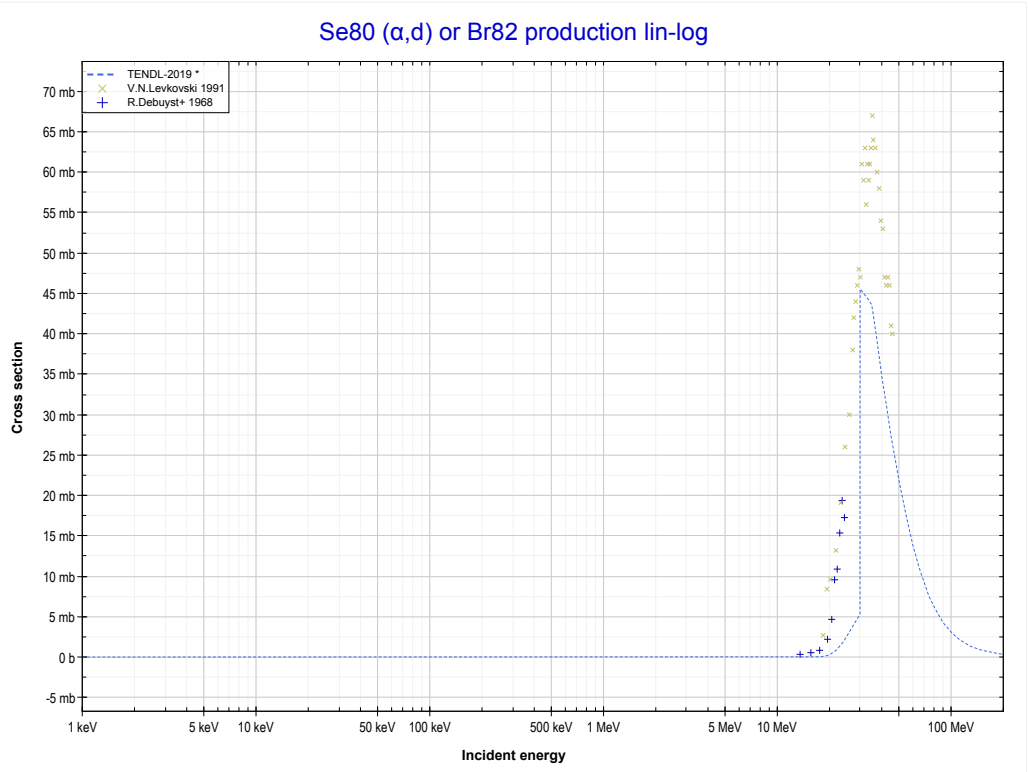
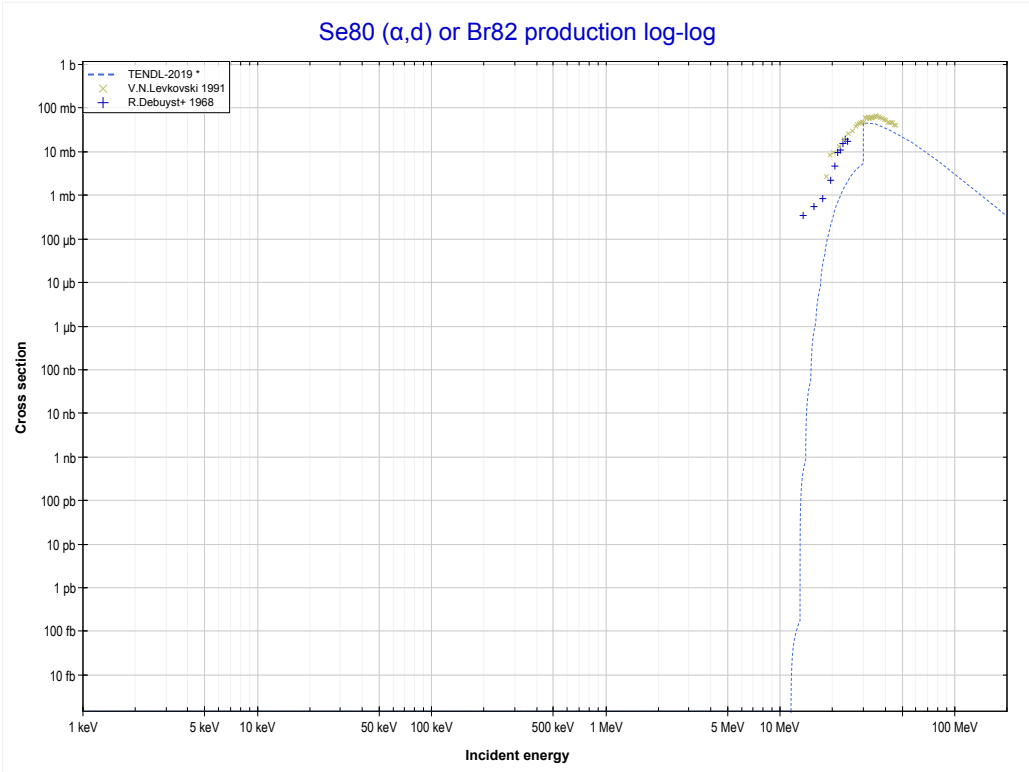
Reaction	Q-Value
Se78(α,d)Br80	-11847.75 keV
Se78(α,n+p)Br80	-14072.31 keV

<< 34-Se-78	34-Se-80	34-Se-82 >>
<< 34-Se-78 MT104 (α,d)	MT28 (α,n+p) or MT5 (Br82 production)	MT104 (α,d) >>



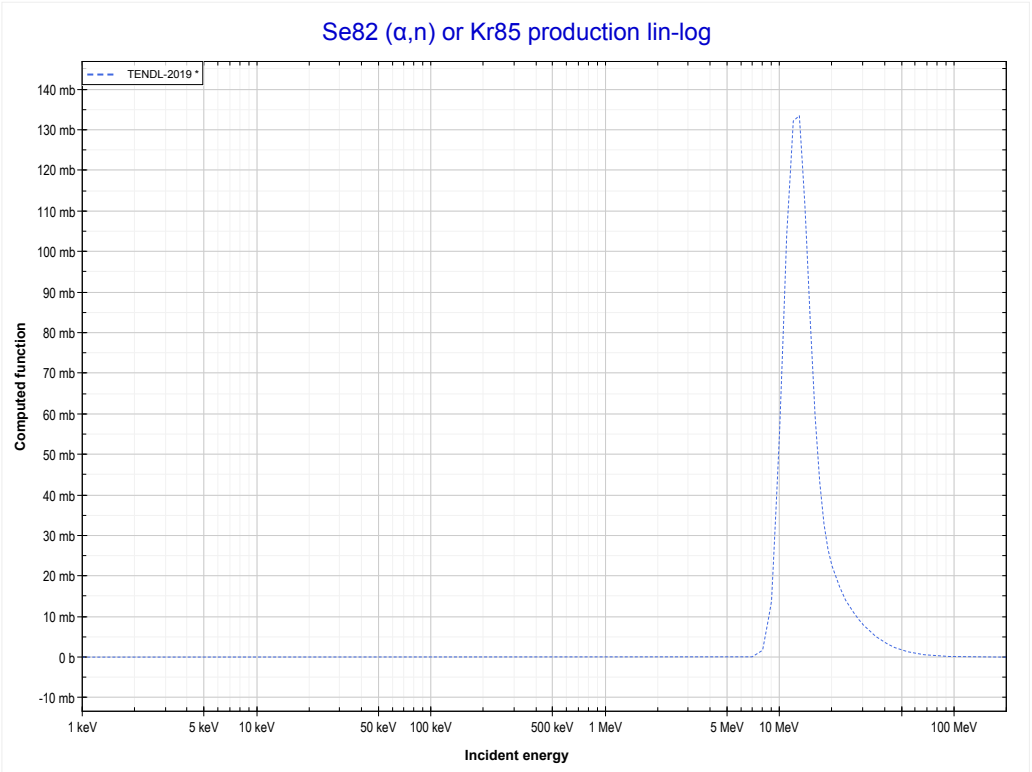
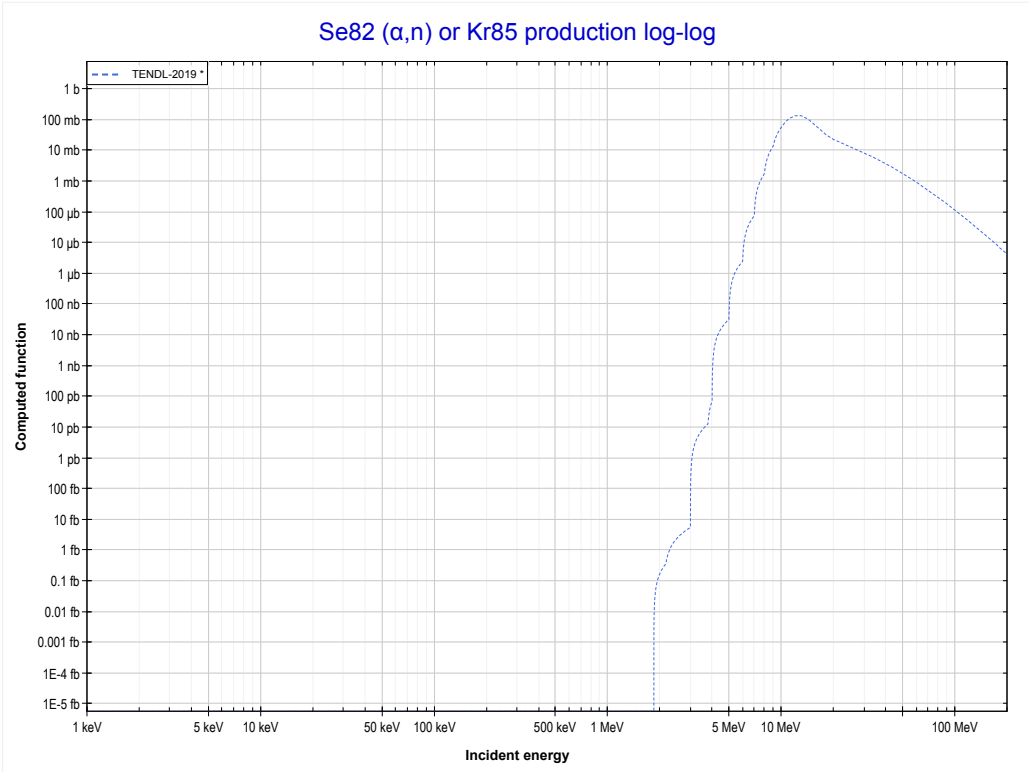
Reaction	Q-Value
Se80(α,d)Br82	-10971.61 keV
Se80(α,n+p)Br82	-13196.17 keV

<< 34-Se-78	34-Se-80	34-Se-82 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (Br82 production)	34-Se-82 MT4 (α,n) >>



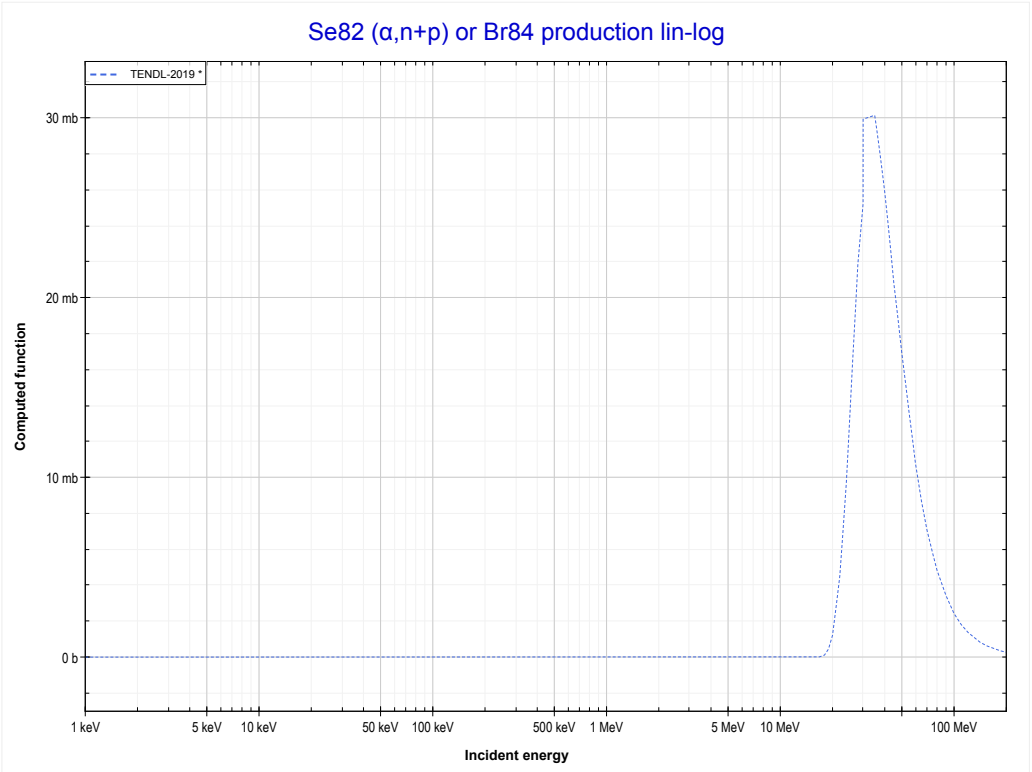
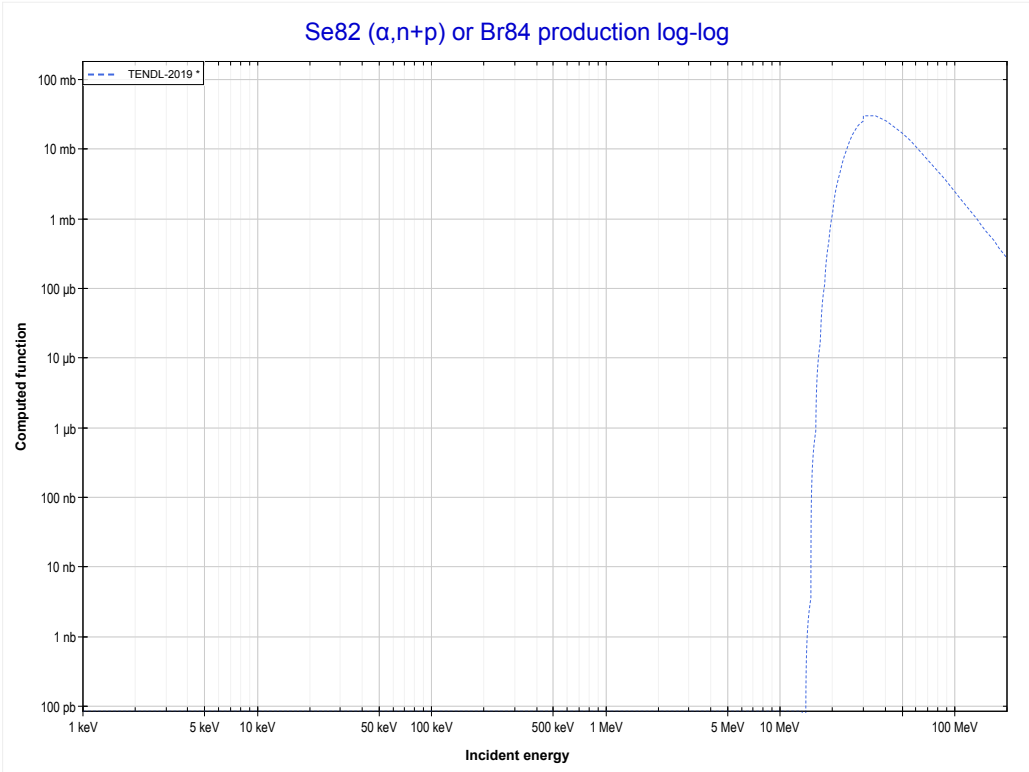
Reaction	Q-Value
Se80(α,d)Br82	-10971.61 keV
Se80(α,n+p)Br82	-13196.17 keV

<< 34-Se-76	34-Se-82	35-Br-79 >>
<< 34-Se-80 MT104 (α,d)	MT4 (α,n) or MT5 (Kr85 production)	MT28 (α,n+p) >>



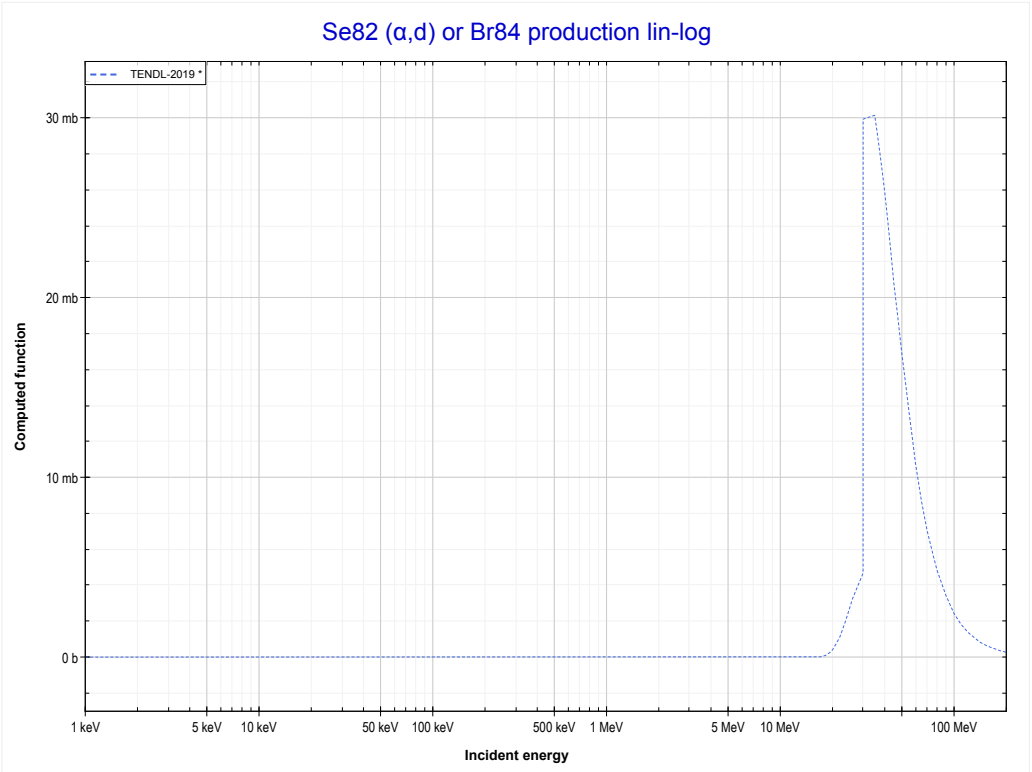
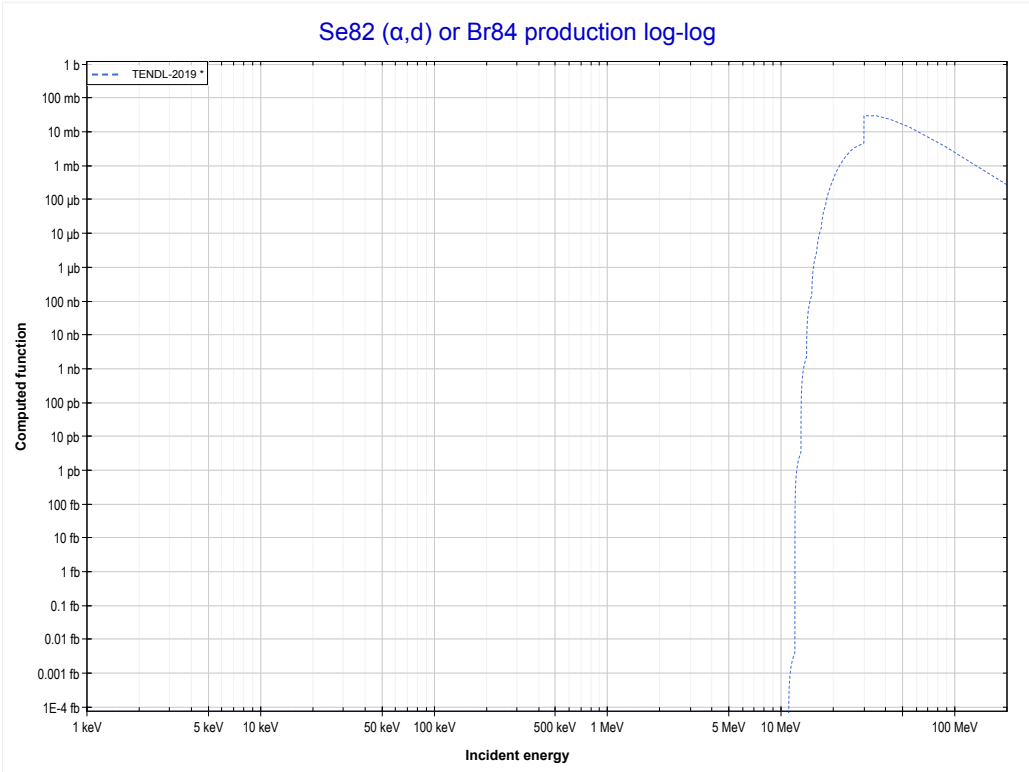
Reaction	Q-Value
Se82(α,n)Kr85	-1760.00 keV

<< 34-Se-80	34-Se-82	38-Sr-86 >>
<< MT4 (α,n)	MT28 (α,n+p) or MT5 (Br84 production)	MT104 (α,d) >>



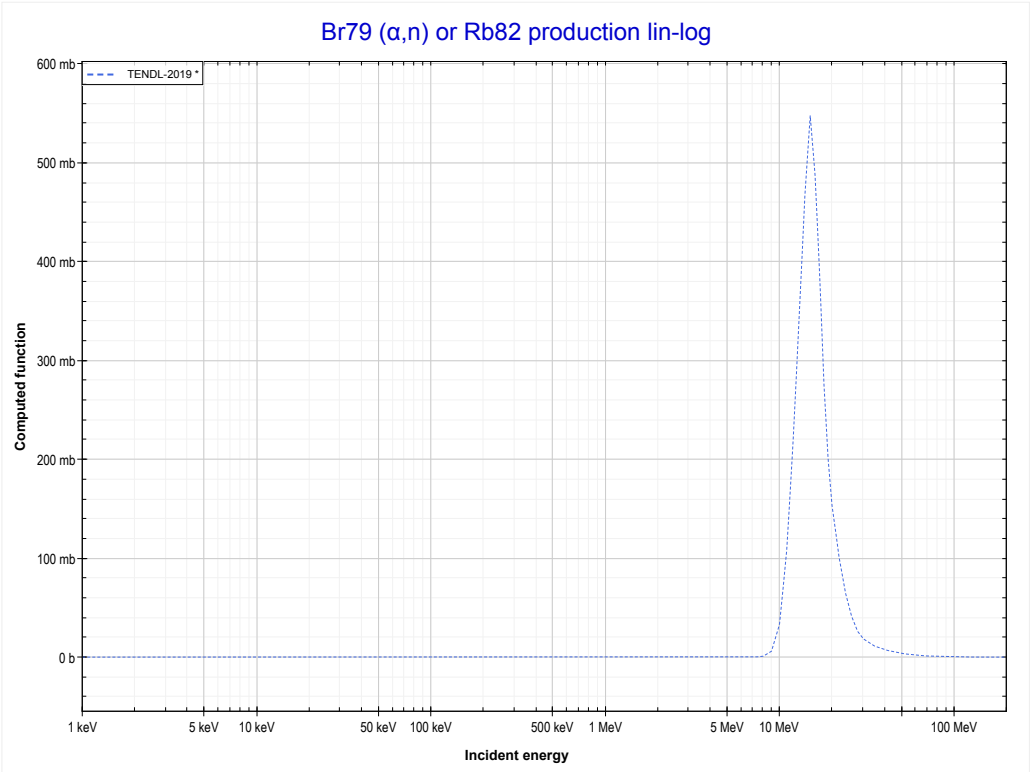
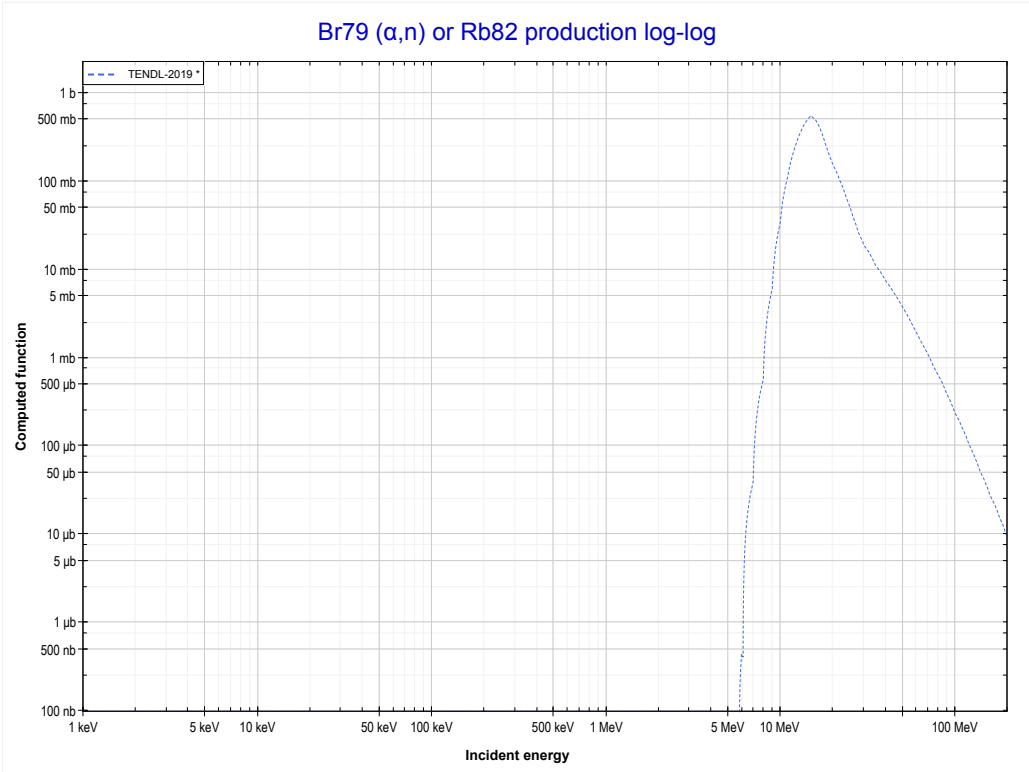
Reaction	Q-Value
Se82(α,d)Br84	-10521.71 keV
Se82(α,n+p)Br84	-12746.27 keV

<< 34-Se-80	34-Se-82	38-Sr-86 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (Br84 production)	35-Br-79 MT4 (α,n) >>



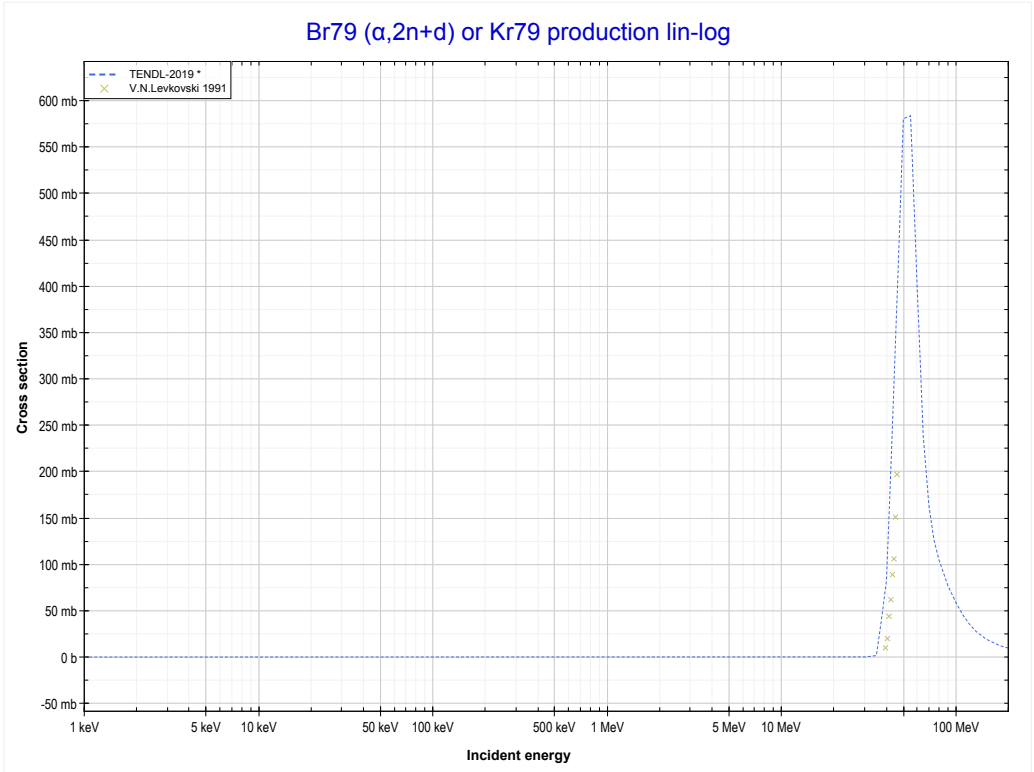
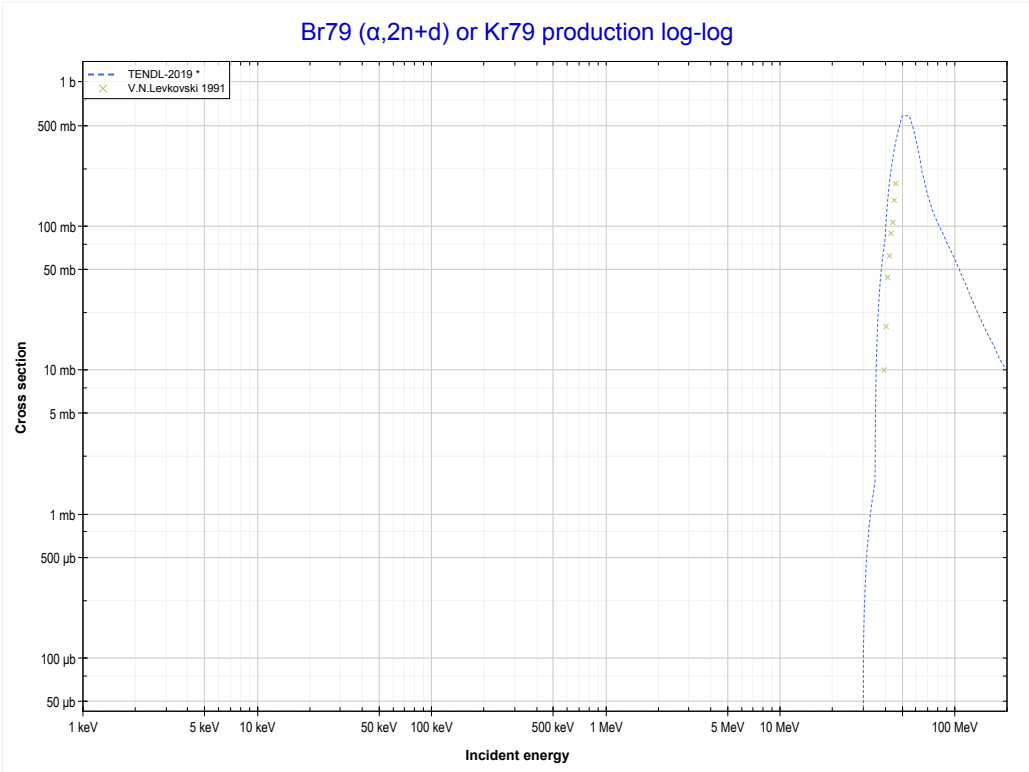
Reaction	Q-Value
Se82(α,d)Br84	-10521.71 keV
Se82(α,n+p)Br84	-12746.27 keV

<< 34-Se-82	35-Br-79	35-Br-81 >>
<< 34-Se-82 MT104 (α,d)	MT4 (α,n) or MT5 (Rb82 production)	MT11 (α,2n+d) >>



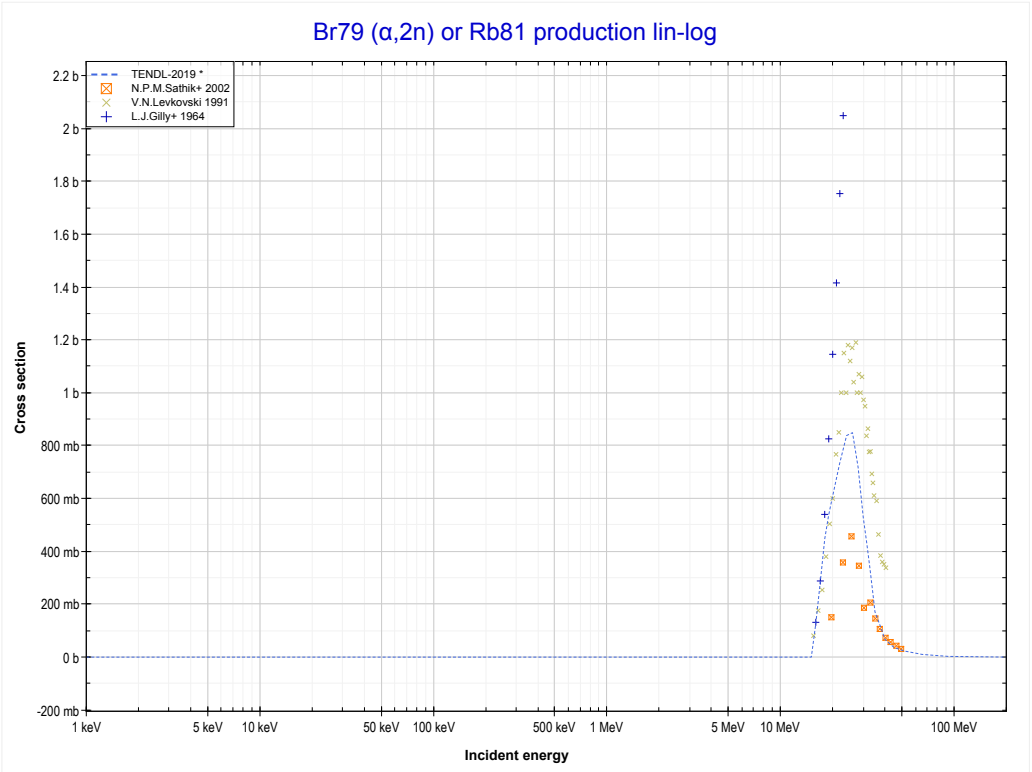
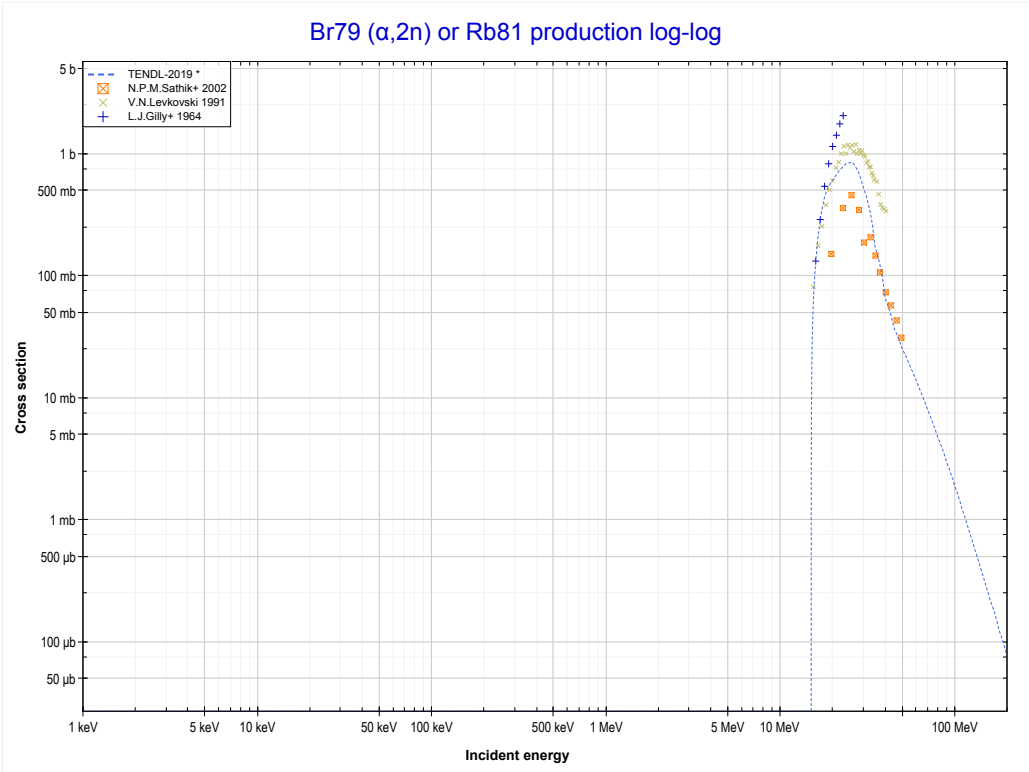
Reaction	Q-Value
Br79(α,n)Rb82	-5526.40 keV

<< 32-Ge-76	35-Br-79	37-Rb-85 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Kr79 production)	MT16 (α,2n) >>



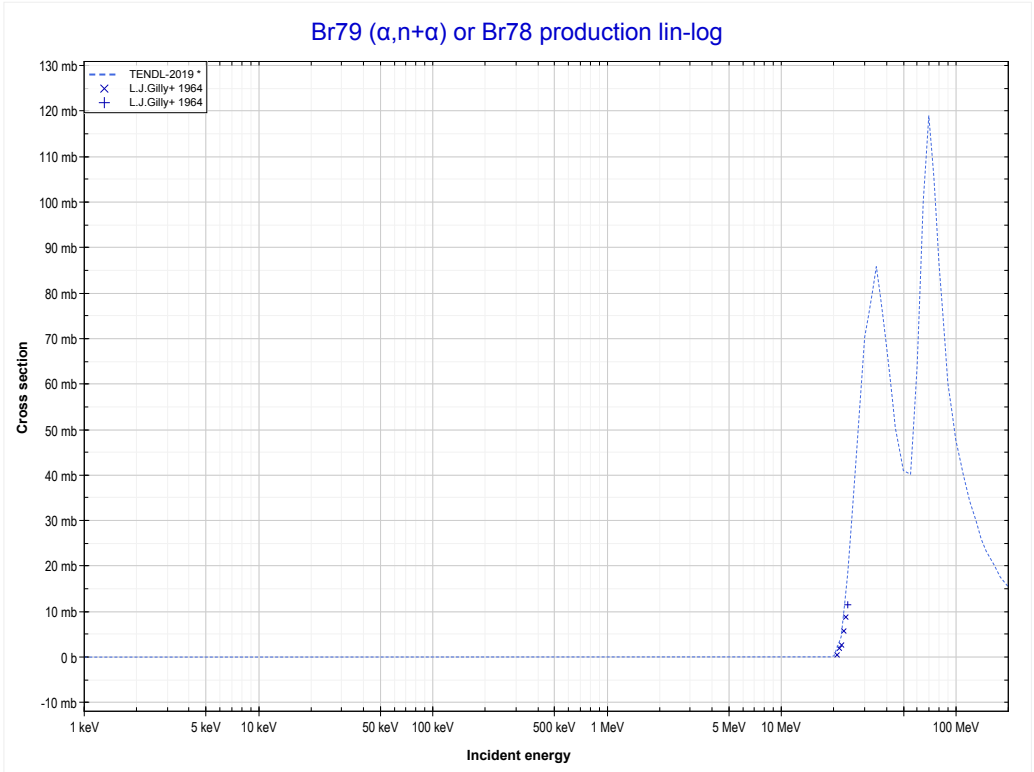
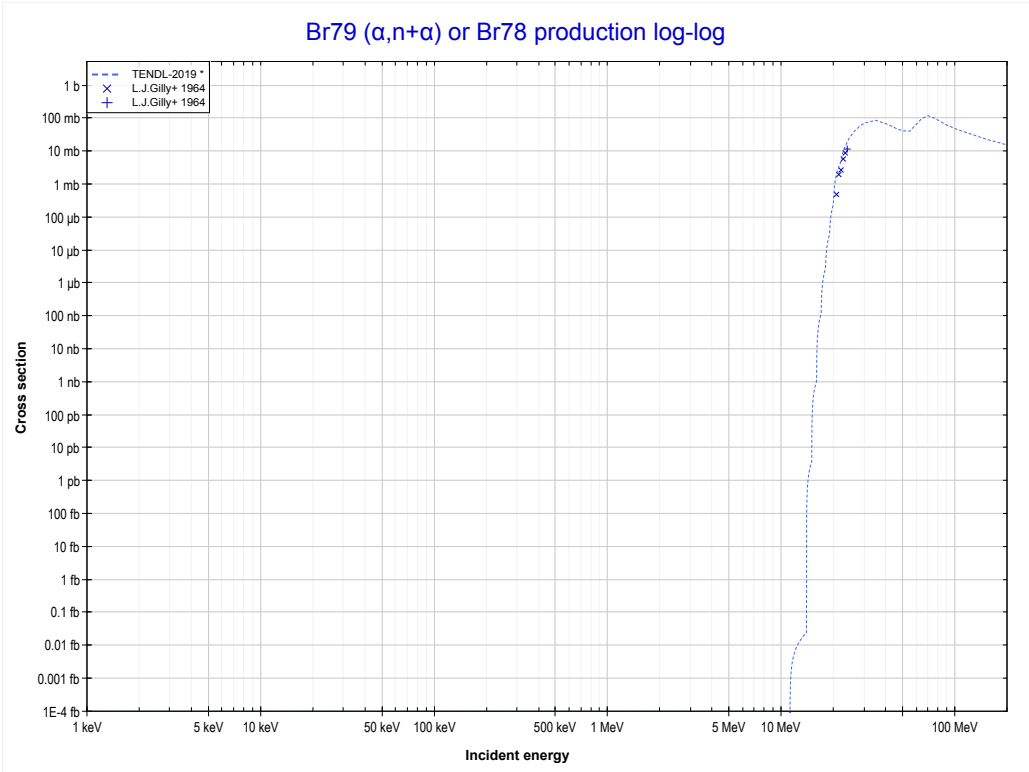
Reaction	Q-Value
Br79(α,n+t)Kr79	-22222.21 keV
Br79(α,2n+d)Kr79	-28479.44 keV
Br79(α,3n+p)Kr79	-30704.01 keV

<< 34-Se-77	35-Br-79	35-Br-81 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (Rb81 production)	MT22 ($\alpha,n+\alpha$) >>



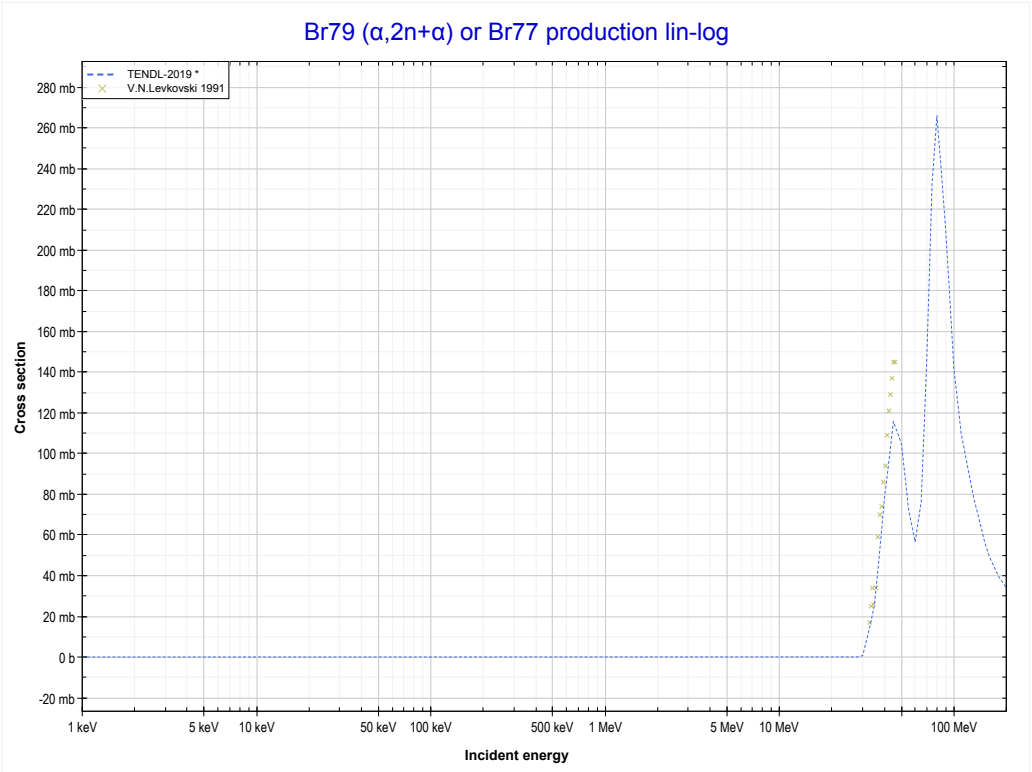
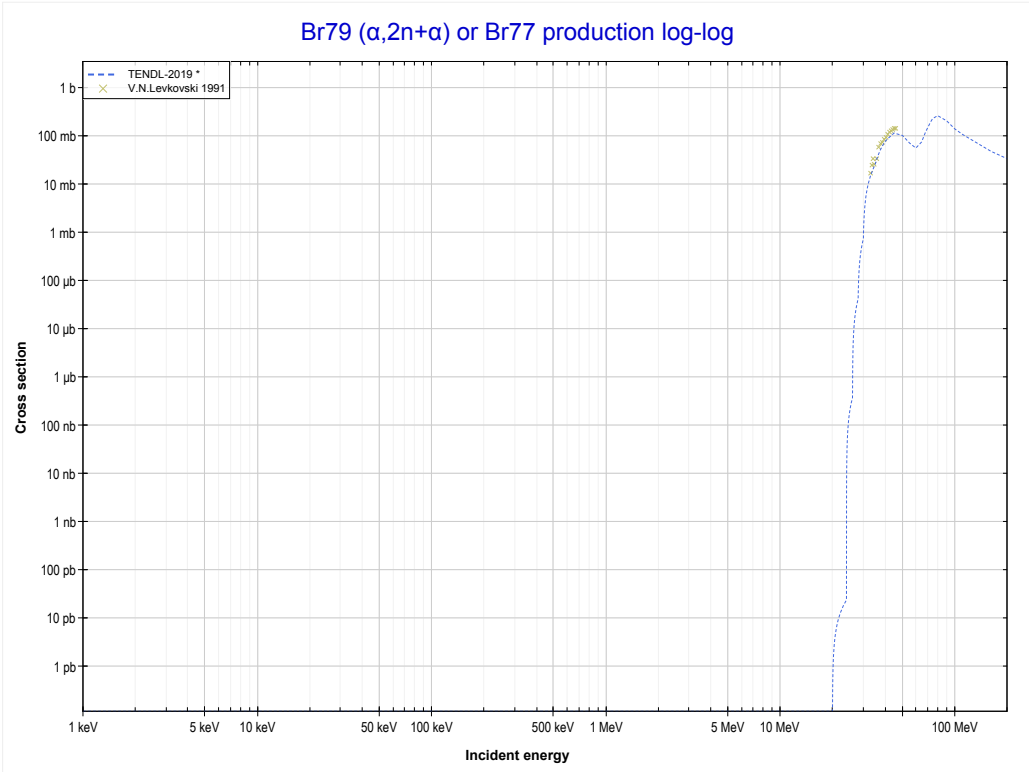
Reaction	Q-Value
Br79($\alpha,2n$)Rb81	-14328.72 keV

<< 34-Se-76	35-Br-79	35-Br-81 >>
<< MT16 (α,2n)	MT22 (α,n+α) or MT5 (Br78 production)	MT24 (α,2n+α) >>



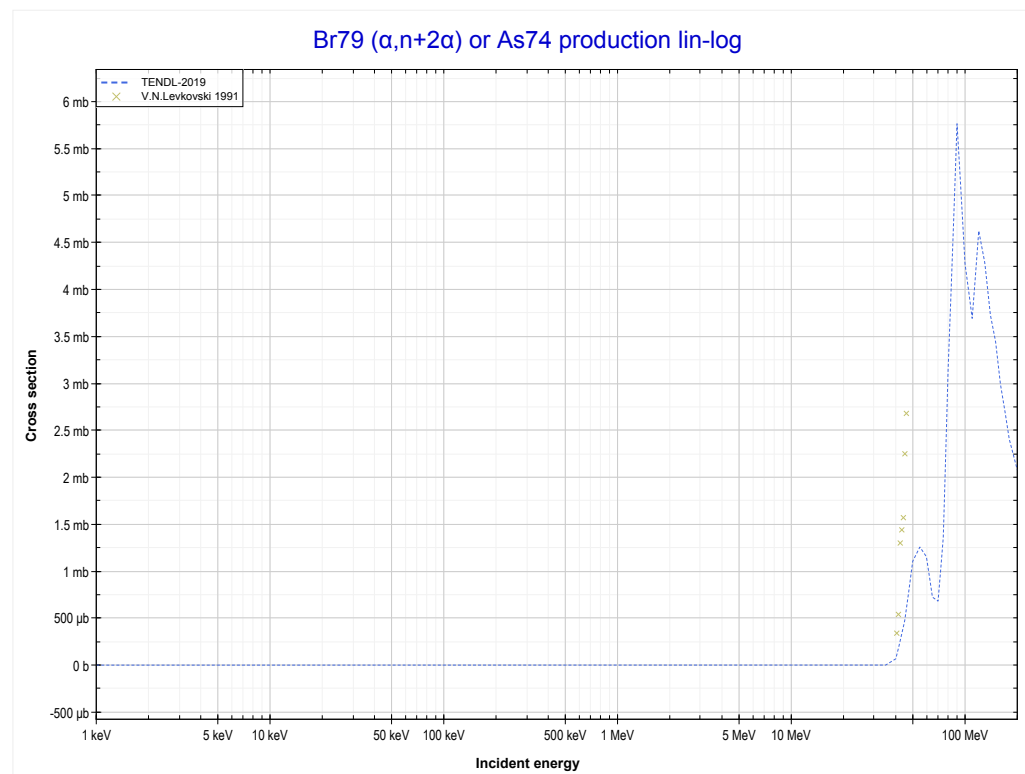
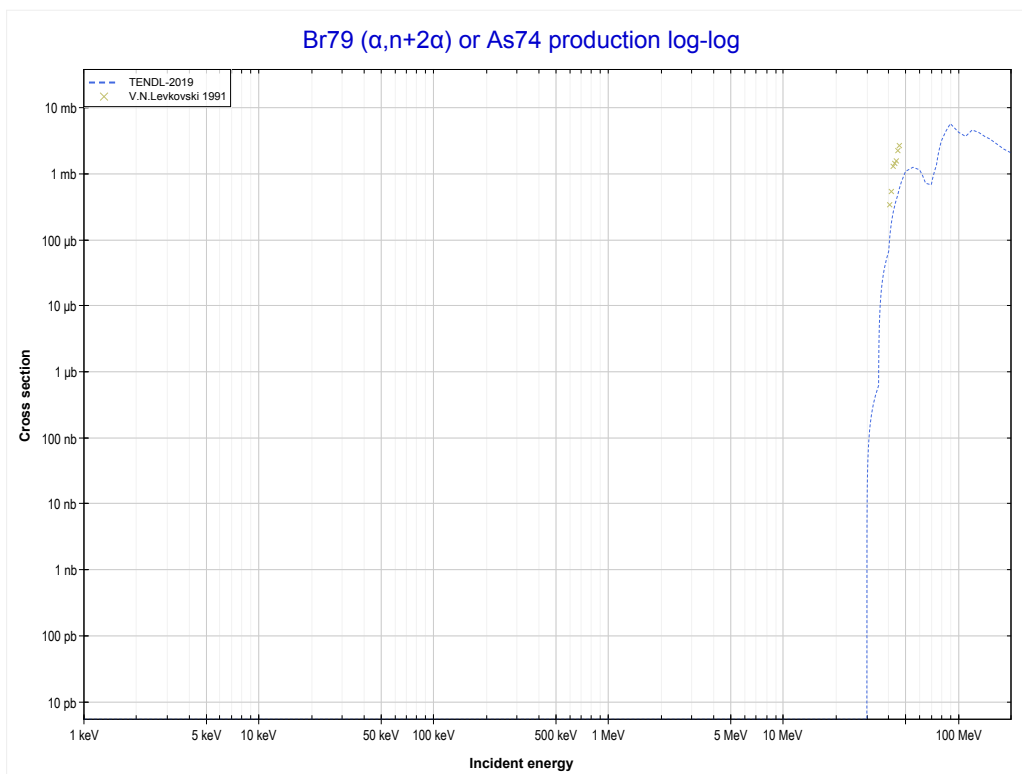
Reaction	Q-Value
Br79(α,n+α)Br78	-10687.32 keV
Br79(α,d+t)Br78	-28276.62 keV
Br79(α,n+p+t)Br78	-30501.18 keV
Br79(α,2n+He3)Br78	-31264.94 keV
Br79(α,n+2d)Br78	-34533.84 keV
Br79(α,2n+p+d)Br78	-36758.41 keV
Br79(α,3n+2p)Br78	-38982.98 keV

<< 34-Se-74	35-Br-79	37-Rb-85 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Br77 production)	MT29 ($\alpha,n+2\alpha$) >>



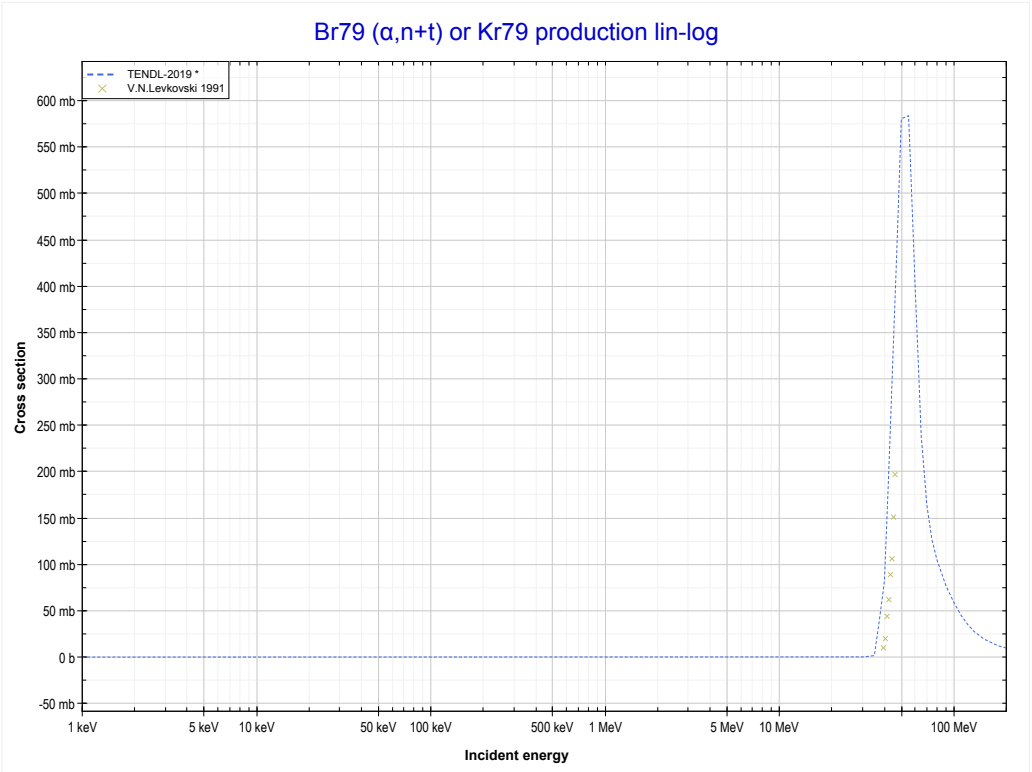
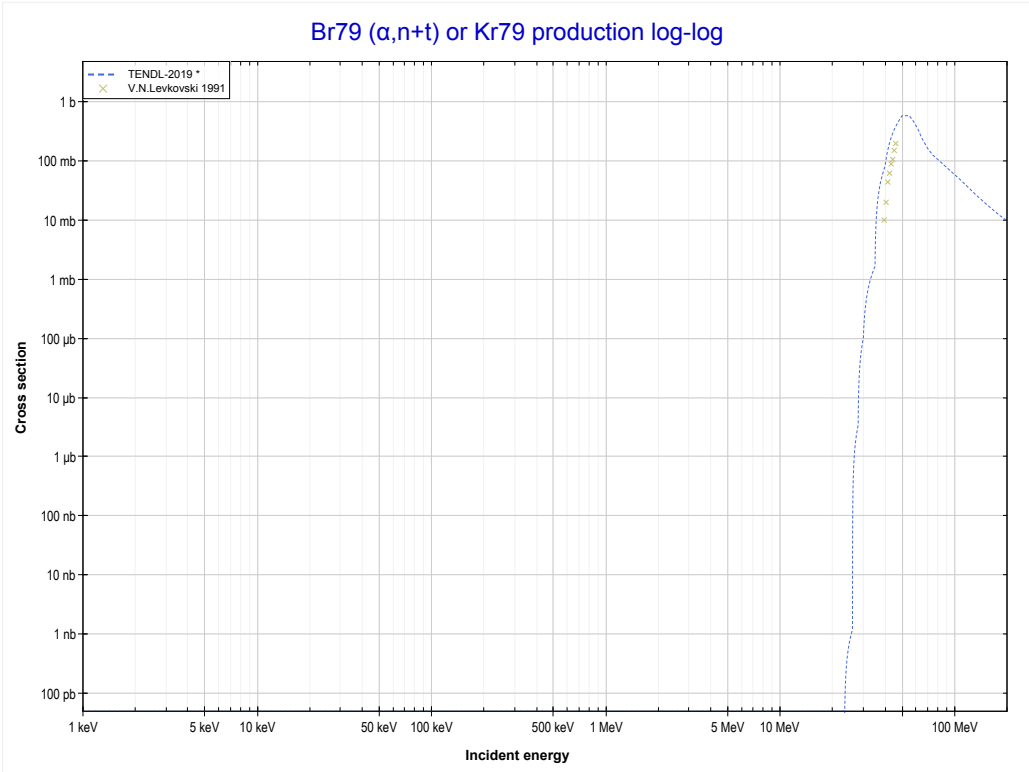
Reaction	Q-Value
Br79($\alpha,2n+\alpha$)Br77	-18975.83 keV
Br79($\alpha,2t$)Br77	-30307.90 keV
Br79($\alpha,n+d+t$)Br77	-36565.13 keV
Br79($\alpha,2n+p+t$)Br77	-38789.70 keV
Br79($\alpha,3n+He3$)Br77	-39553.45 keV
Br79($\alpha,2n+2d$)Br77	-42822.36 keV
Br79($\alpha,3n+p+d$)Br77	-45046.93 keV
Br79($\alpha,4n+2p$)Br77	-47271.49 keV

<< 29-Cu-63	35-Br-79	41-Nb-93 >>
<< MT24 ($\alpha, 2n+\alpha$)	MT29 ($\alpha, n+2\alpha$) or MT5 (As74 production)	MT33 ($\alpha, n+t$) >>



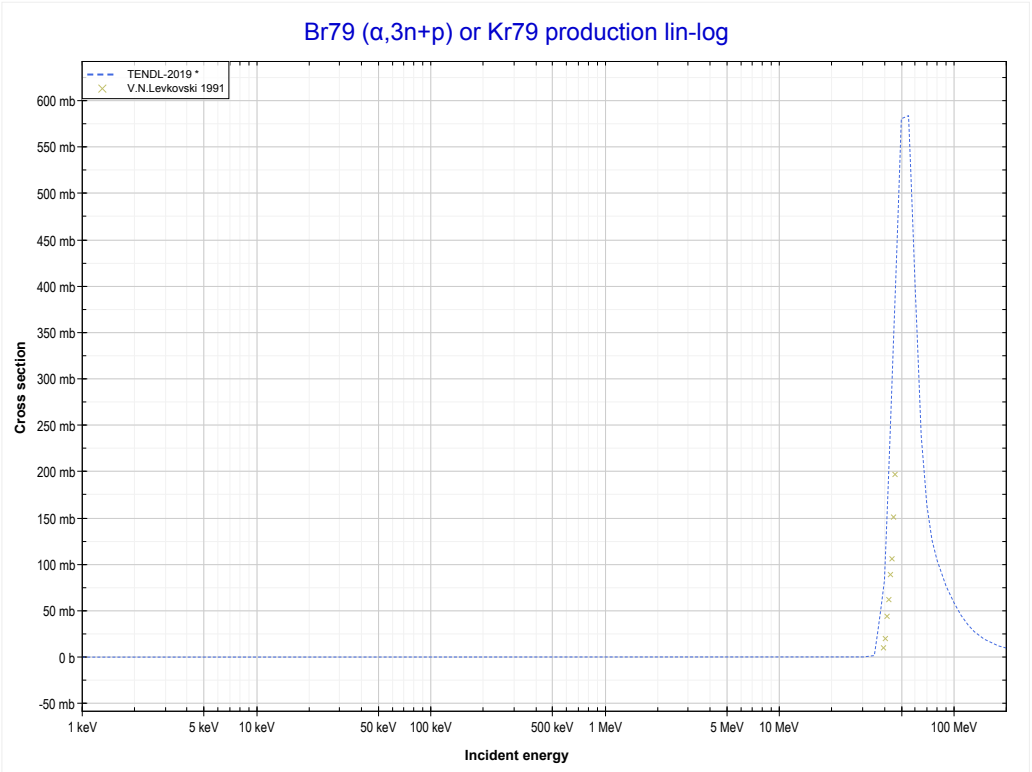
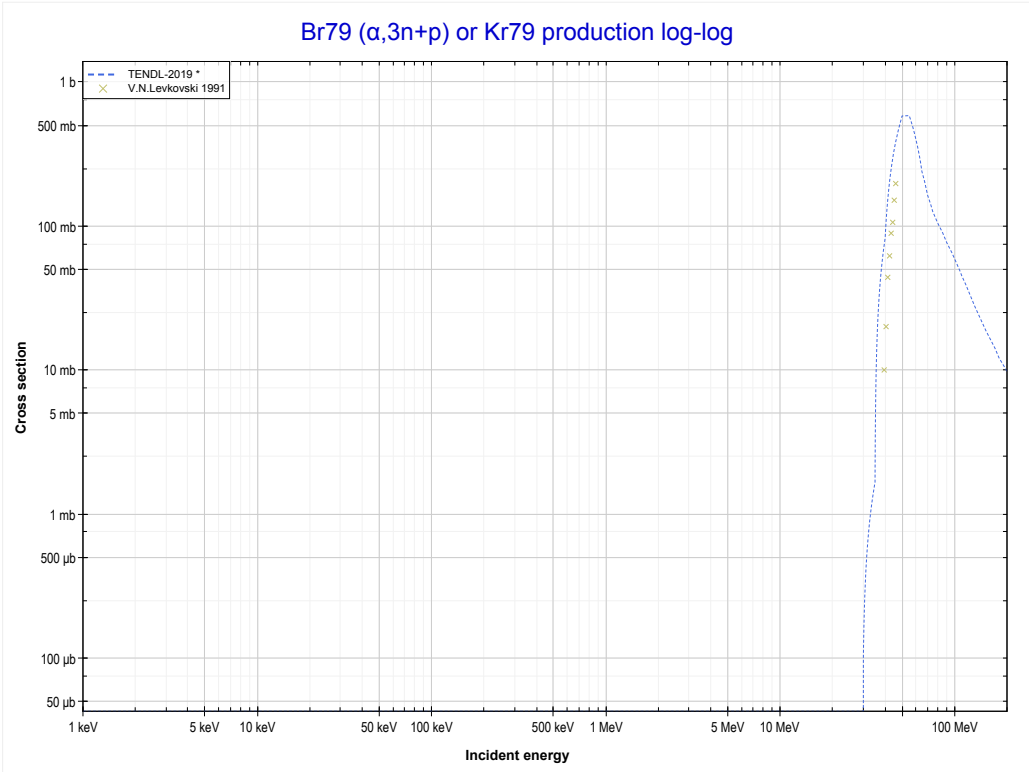
Reaction	Q-Value	Reaction	Q-Value
Br79($\alpha, n+2\alpha$)As74	-15704.13 keV	Br79($\alpha, p+d+2t$)As74	-53107.30 keV
Br79($\alpha, d+t+\alpha$)As74	-33293.43 keV	Br79($\alpha, n+d+t+He3$)As74	-53871.05 keV
Br79($\alpha, n+p+t+\alpha$)As74	-35518.00 keV	Br79($\alpha, n+2p+2t$)As74	-55331.86 keV
Br79($\alpha, 2n+He3+\alpha$)As74	-36281.75 keV	Br79($\alpha, 2n+p+t+He3$)As74	-56095.62 keV
Br79($\alpha, n+2d+\alpha$)As74	-39550.66 keV	Br79($\alpha, 3n+2He3$)As74	-56859.37 keV
Br79($\alpha, 2n+p+d+\alpha$)As74	-41775.23 keV	Br79($\alpha, 3d+t$)As74	-57139.96 keV
Br79($\alpha, 3n+2p+\alpha$)As74	-43999.79 keV	Br79($\alpha, n+p+2d+t$)As74	-59364.53 keV
Br79($\alpha, 2t+He3$)As74	-47613.82 keV	Br79($\alpha, 2n+2d+He3$)As74	-60128.28 keV

<< 32-Ge-76	35-Br-79	37-Rb-85 >>
<< MT29 ($\alpha,n+2\alpha$)	MT33 ($\alpha,n+t$) or MT5 (Kr79 production)	MT42 ($\alpha,3n+p$) >>



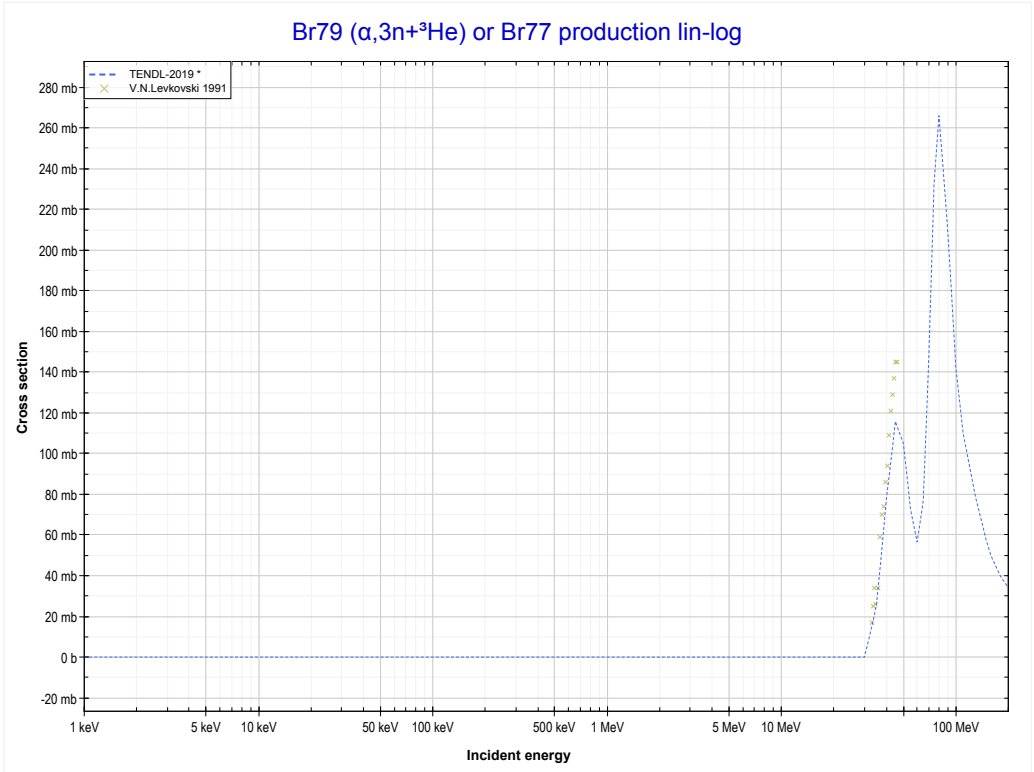
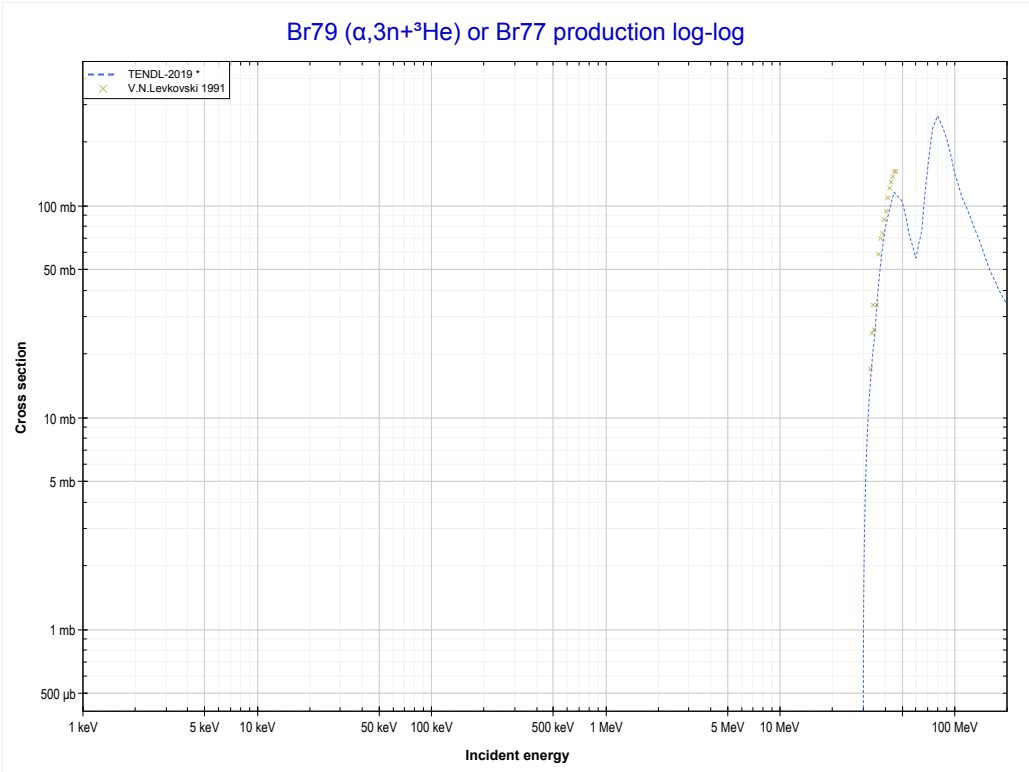
Reaction	Q-Value
Br79($\alpha,n+t$)Kr79	-22222.21 keV
Br79($\alpha,2n+d$)Kr79	-28479.44 keV
Br79($\alpha,3n+p$)Kr79	-30704.01 keV

<< 32-Ge-76	35-Br-79	37-Rb-85 >>
<< MT33 ($\alpha,n+t$)	MT42 ($\alpha,3n+p$) or MT5 (Kr79 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



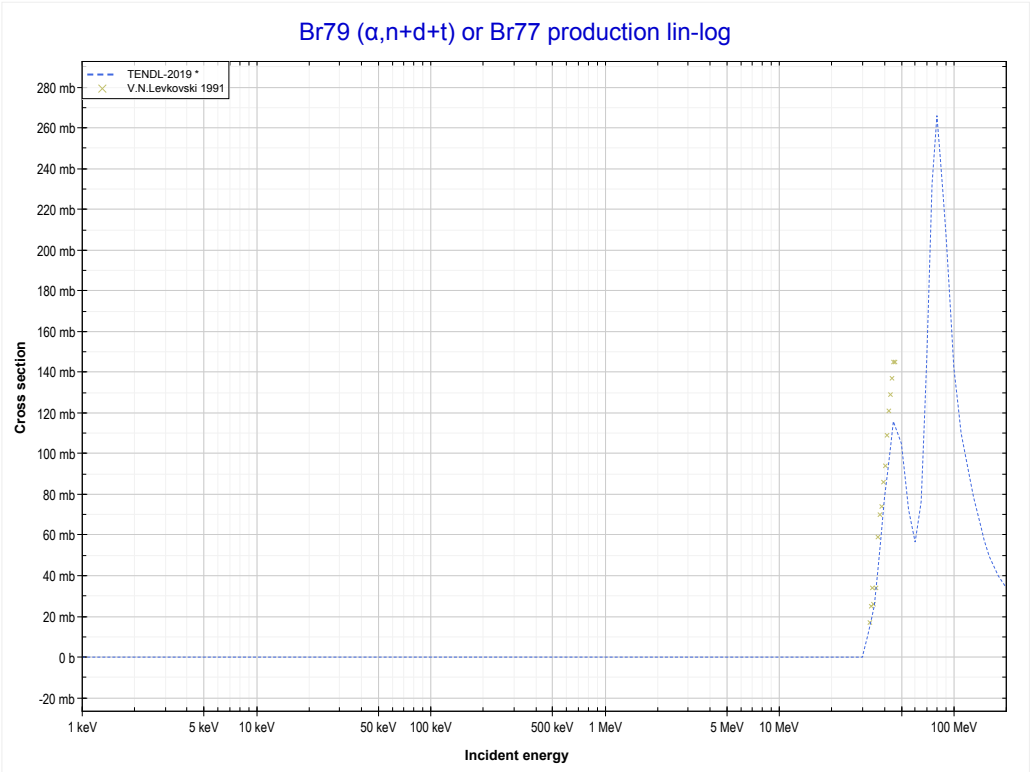
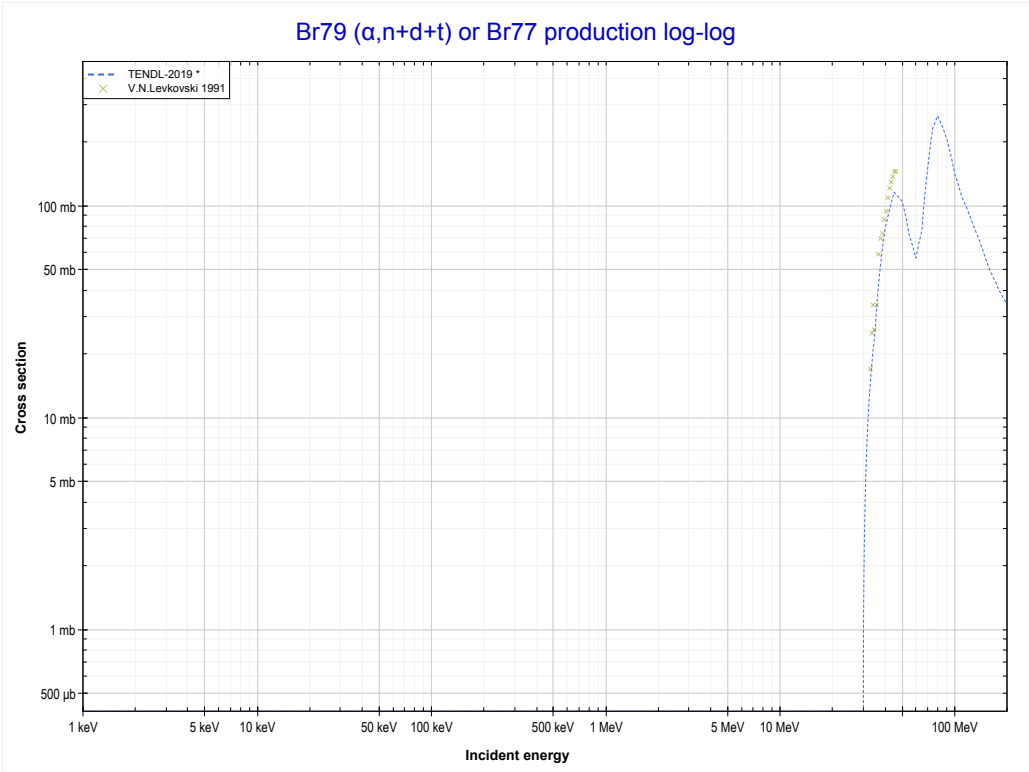
Reaction	Q-Value
Br79($\alpha,n+t$)Kr79	-22222.21 keV
Br79($\alpha,2n+d$)Kr79	-28479.44 keV
Br79($\alpha,3n+p$)Kr79	-30704.01 keV

<< 34-Se-74	35-Br-79	37-Rb-85 >>
<< MT42 ($\alpha,3n+p$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Br77 production)	MT185 ($\alpha,n+d+t$) >>



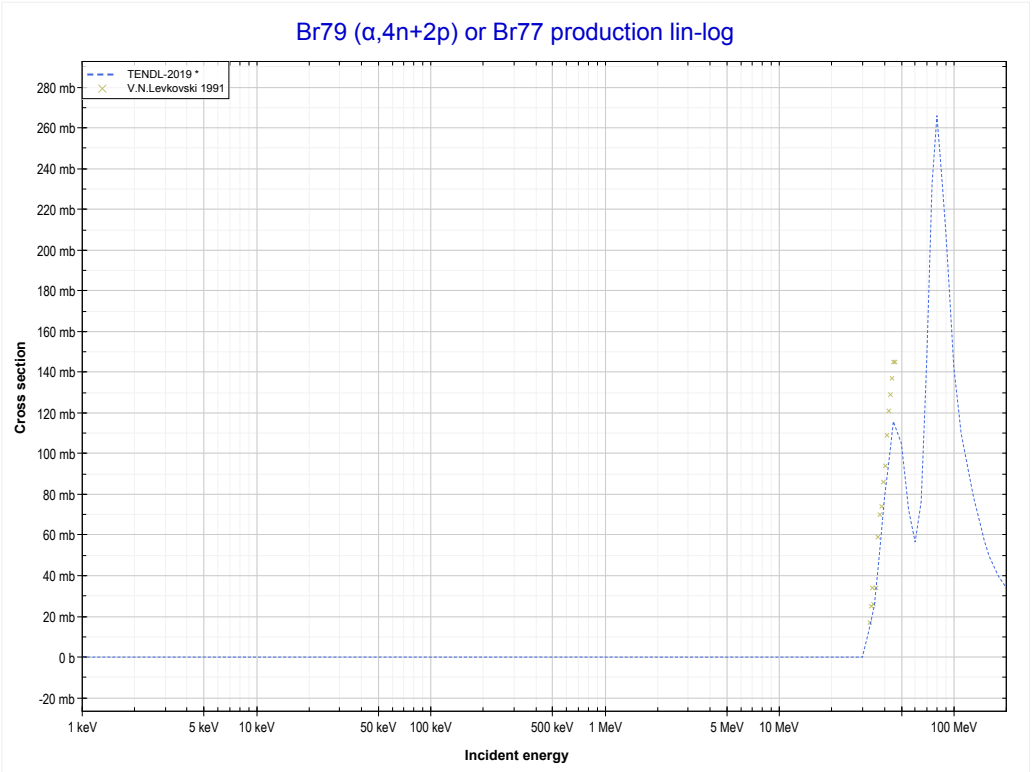
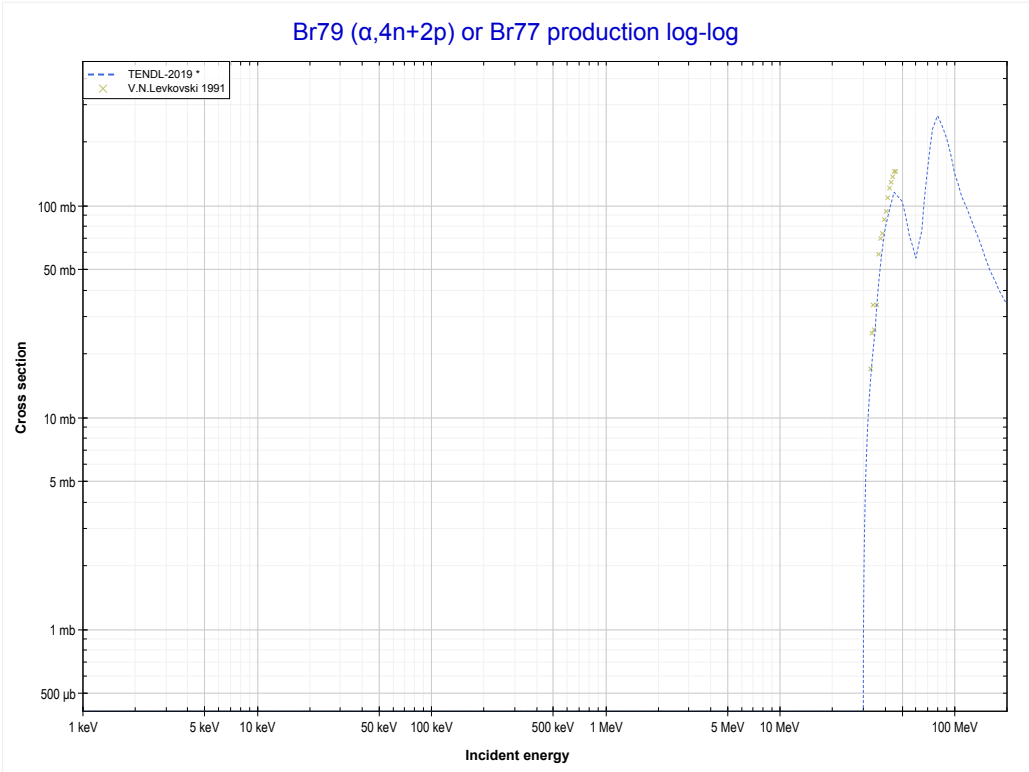
Reaction	Q-Value
Br79($\alpha,2n+\alpha$)Br77	-18975.83 keV
Br79($\alpha,2t$)Br77	-30307.90 keV
Br79($\alpha,n+d+t$)Br77	-36565.13 keV
Br79($\alpha,2n+p+t$)Br77	-38789.70 keV
Br79($\alpha,3n+^3\text{He}$)Br77	-39553.45 keV
Br79($\alpha,2n+2d$)Br77	-42822.36 keV
Br79($\alpha,3n+p+d$)Br77	-45046.93 keV
Br79($\alpha,4n+2p$)Br77	-47271.49 keV

<< 34-Se-74	35-Br-79	37-Rb-85 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT185 ($\alpha,n+d+t$) or MT5 (Br77 production)	MT194 ($\alpha,4n+2p$) >>



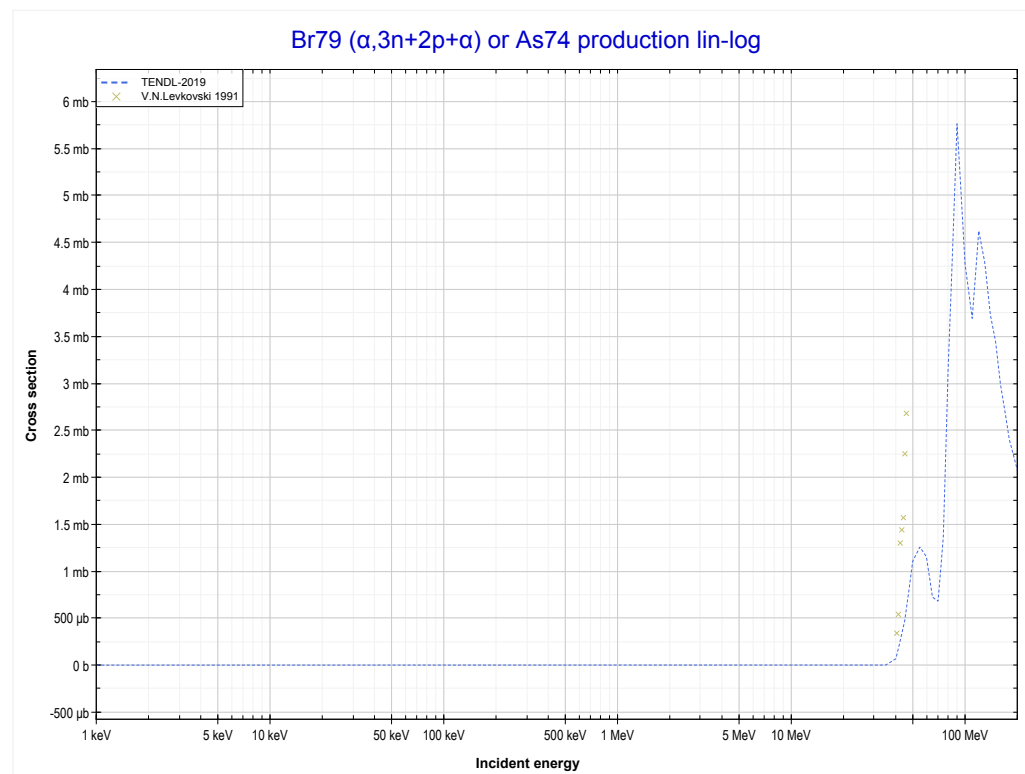
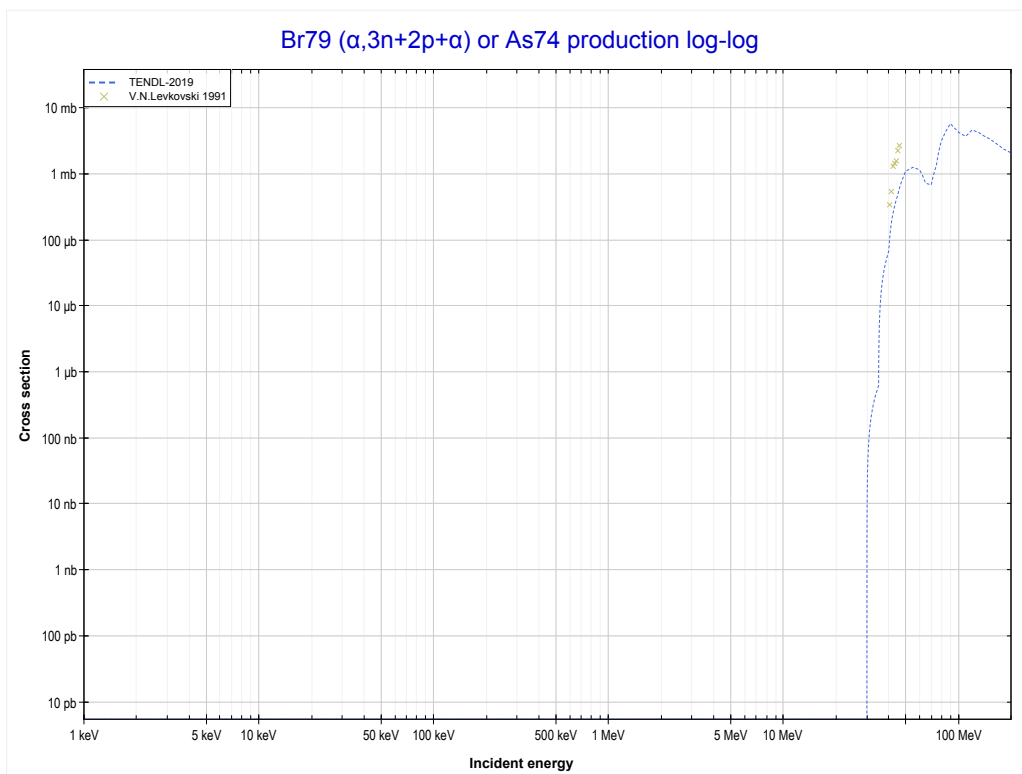
Reaction	Q-Value
Br79($\alpha,2n+\alpha$)Br77	-18975.83 keV
Br79($\alpha,2t$)Br77	-30307.90 keV
Br79($\alpha,n+d+t$)Br77	-36565.13 keV
Br79($\alpha,2n+p+t$)Br77	-38789.70 keV
Br79($\alpha,3n+^3\text{He}$)Br77	-39553.45 keV
Br79($\alpha,2n+2d$)Br77	-42822.36 keV
Br79($\alpha,3n+p+d$)Br77	-45046.93 keV
Br79($\alpha,4n+2p$)Br77	-47271.49 keV

<< 34-Se-74	35-Br-79	37-Rb-85 >>
<< MT185 (α ,n+d+t)	MT194 (α ,4n+2p) or MT5 (Br77 production)	MT199 (α ,3n+2p+ α) >>



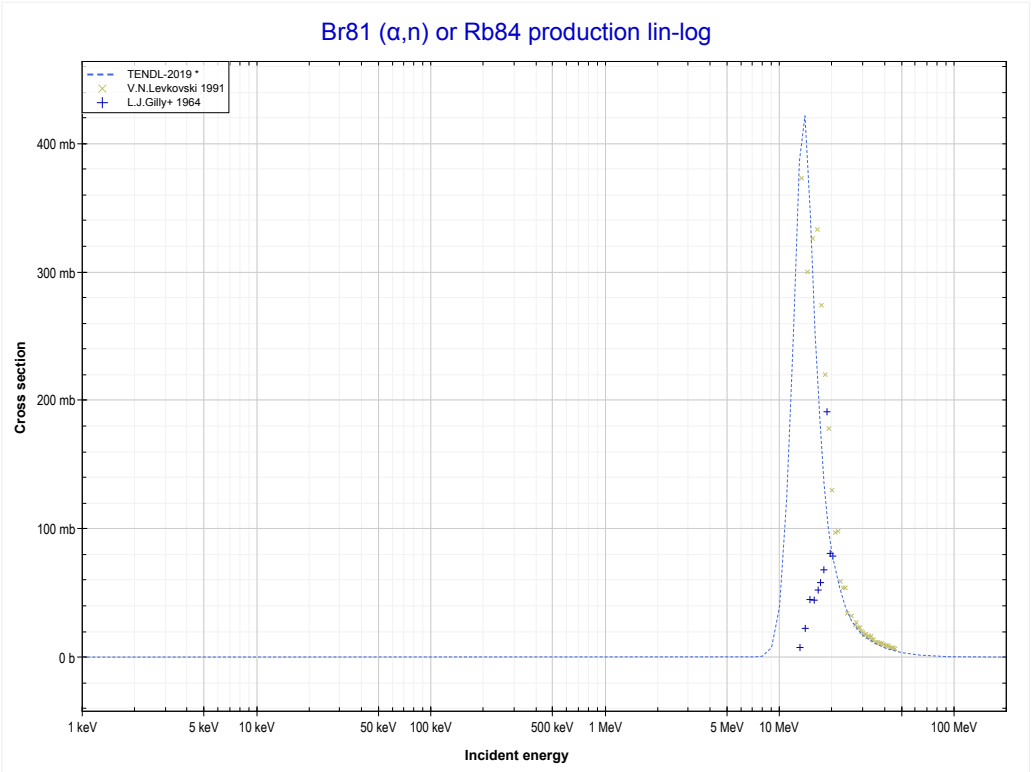
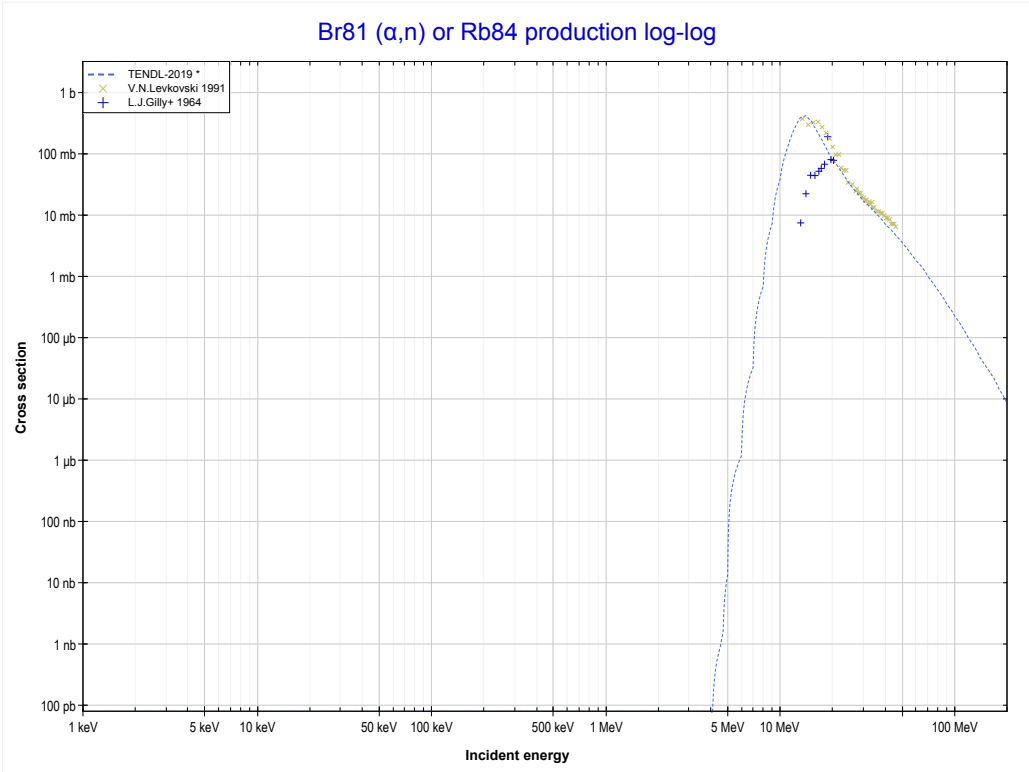
Reaction	Q-Value
Br79(α ,2n+ α)Br77	-18975.83 keV
Br79(α ,2t)Br77	-30307.90 keV
Br79(α ,n+d+t)Br77	-36565.13 keV
Br79(α ,2n+p+t)Br77	-38789.70 keV
Br79(α ,3n+He3)Br77	-39553.45 keV
Br79(α ,2n+2d)Br77	-42822.36 keV
Br79(α ,3n+p+d)Br77	-45046.93 keV
Br79(α ,4n+2p)Br77	-47271.49 keV

<< 29-Cu-63	35-Br-79	41-Nb-93 >>
<< MT194 ($\alpha,4n+2p$)	MT199 ($\alpha,3n+2p+\alpha$) or MT5 (As74 production)	35-Br-81 MT4 (α,n) >>



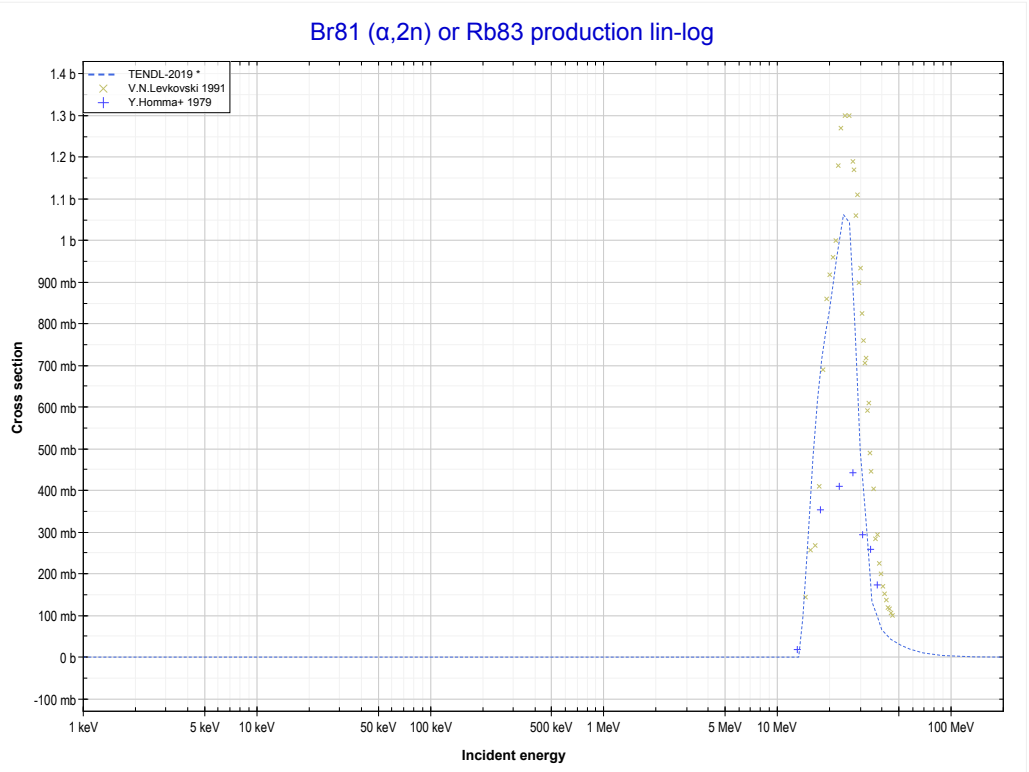
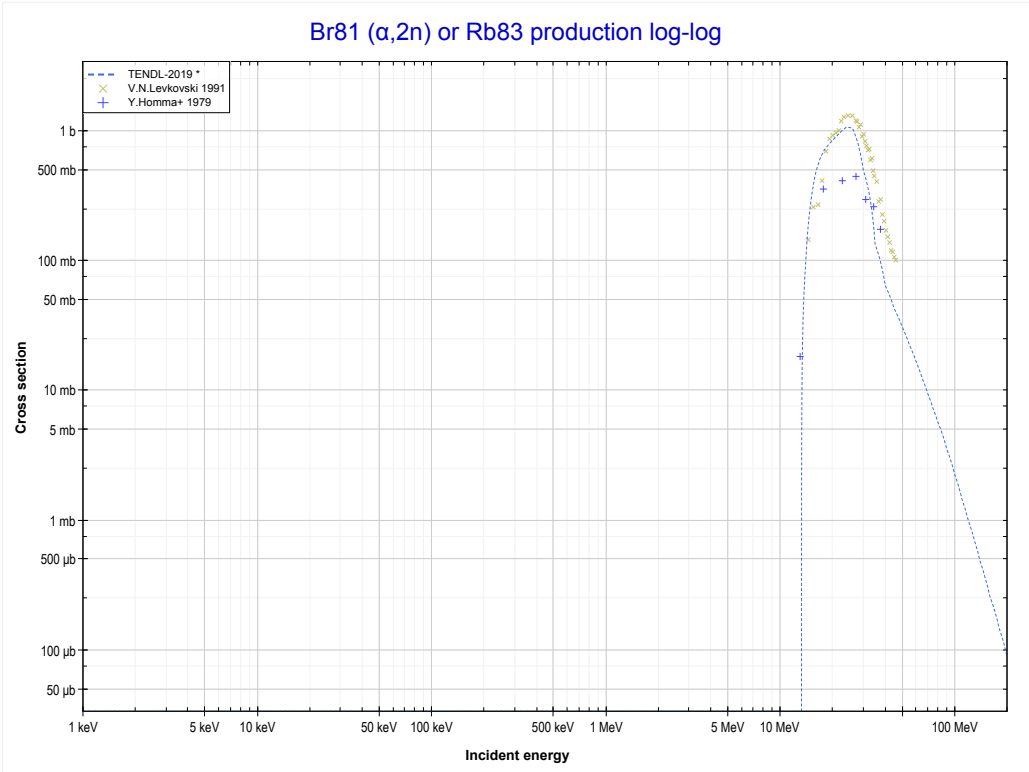
Reaction	Q-Value	Reaction	Q-Value
Br79($\alpha,n+2\alpha$)As74	-15704.13 keV	Br79($\alpha,p+d+2t$)As74	-53107.30 keV
Br79($\alpha,d+t+\alpha$)As74	-33293.43 keV	Br79($\alpha,n+d+t+He3$)As74	-53871.05 keV
Br79($\alpha,n+p+t+\alpha$)As74	-35518.00 keV	Br79($\alpha,n+2p+2t$)As74	-55331.86 keV
Br79($\alpha,2n+He3+\alpha$)As74	-36281.75 keV	Br79($\alpha,2n+p+t+He3$)As74	-56095.62 keV
Br79($\alpha,n+2d+\alpha$)As74	-39550.66 keV	Br79($\alpha,3n+2He3$)As74	-56859.37 keV
Br79($\alpha,2n+p+d+\alpha$)As74	-41775.23 keV	Br79($\alpha,3d+t$)As74	-57139.96 keV
Br79($\alpha,3n+2p+\alpha$)As74	-43999.79 keV	Br79($\alpha,n+p+2d+t$)As74	-59364.53 keV
Br79($\alpha,2t+He3$)As74	-47613.82 keV	Br79($\alpha,2n+2d+He3$)As74	-60128.28 keV

<< 35-Br-79	35-Br-81	37-Rb-85 >>
<< 35-Br-79 MT199 ($\alpha,3n+2p+\alpha$)	MT4 (α,n) or MT5 (Rb84 production)	MT16 ($\alpha,2n$) >>



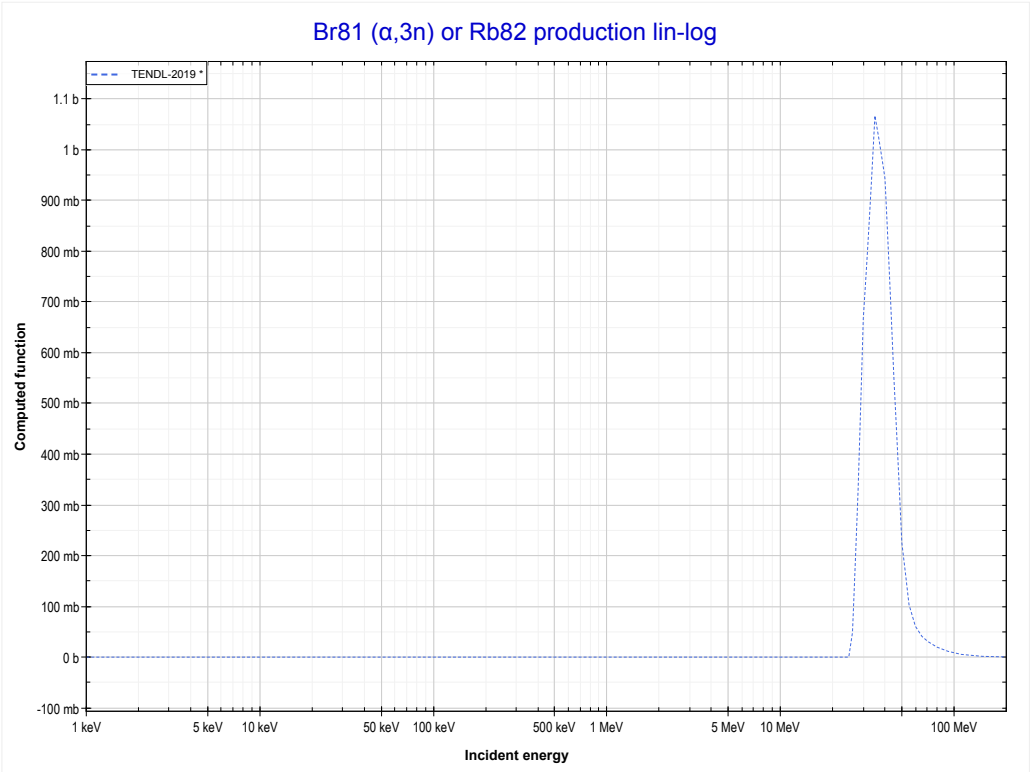
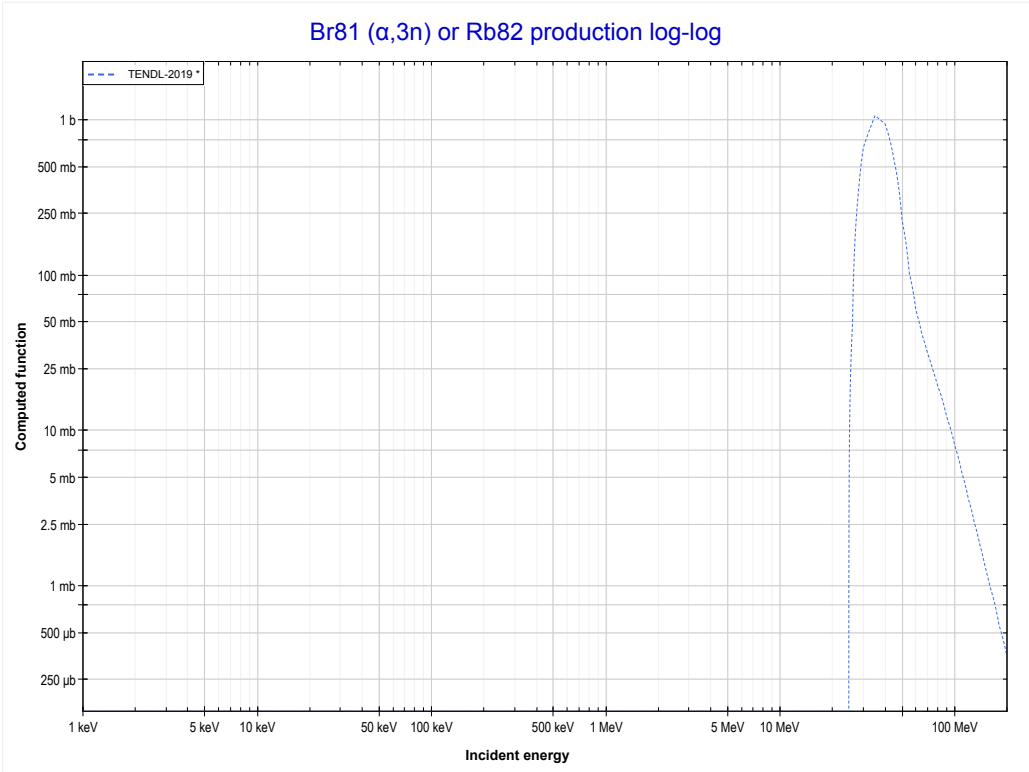
Reaction	Q-Value
Br81(α,n)Rb84	-3864.40 keV

<< 35-Br-79	35-Br-81	36-Kr-80 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Rb83 production)	MT17 (α,3n) >>



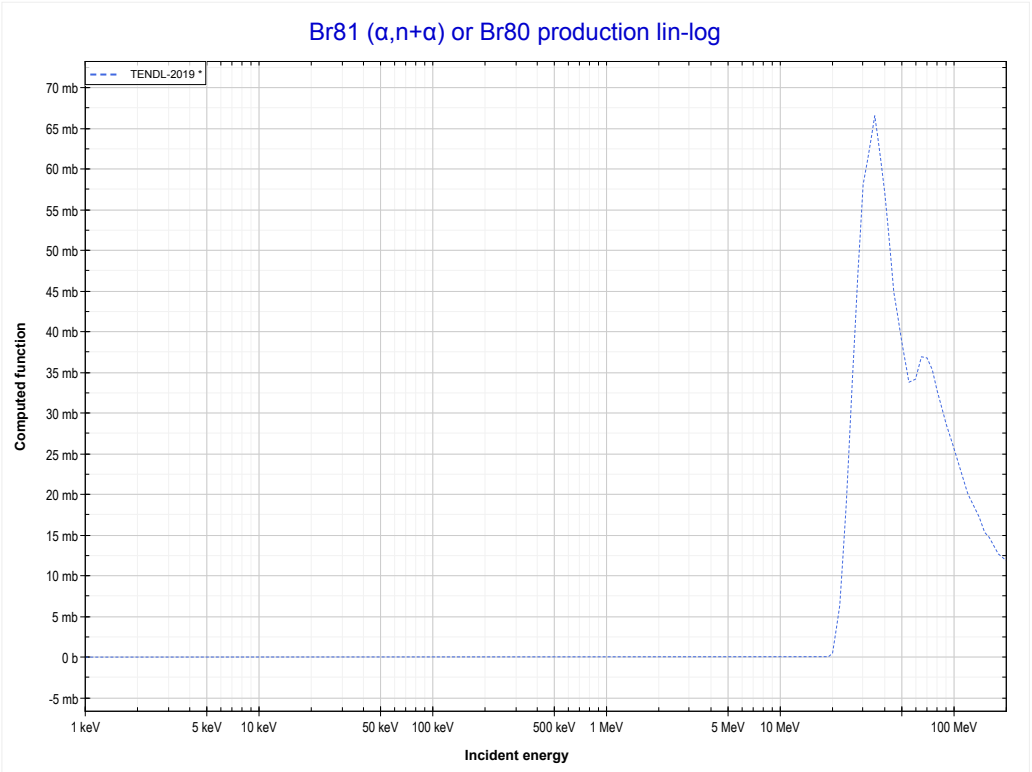
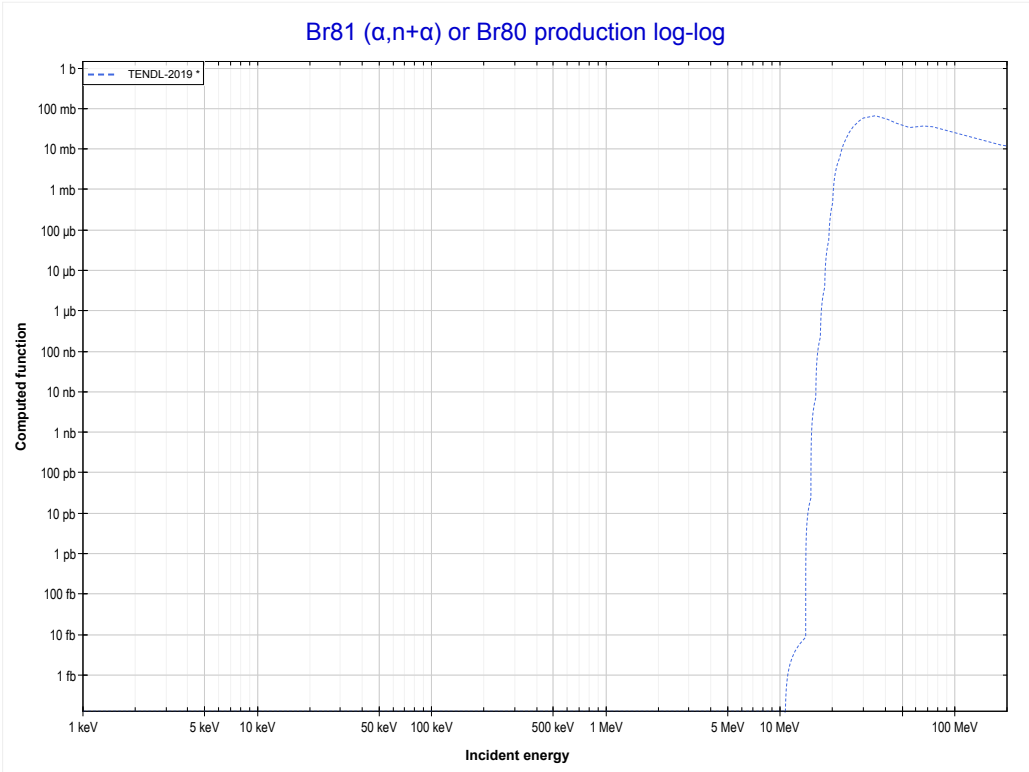
Reaction	Q-Value
Br81(α,2n)Rb83	-12624.12 keV

<< 34-Se-78	35-Br-81	37-Rb-85 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Rb82 production)	MT22 (α,n+α) >>



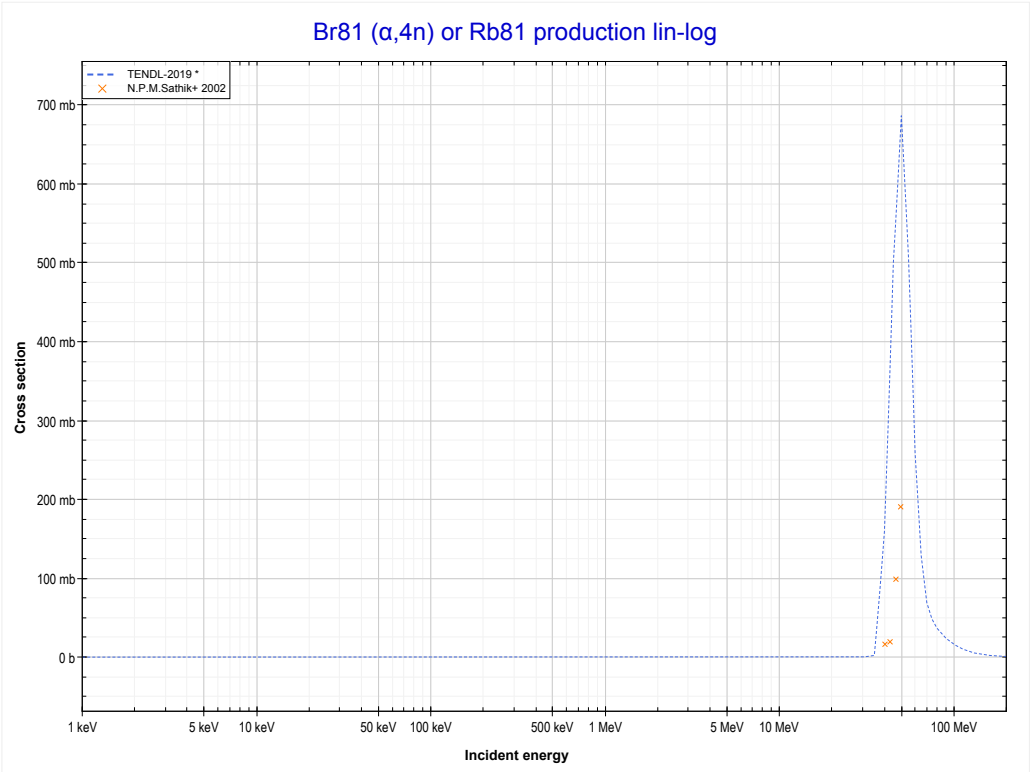
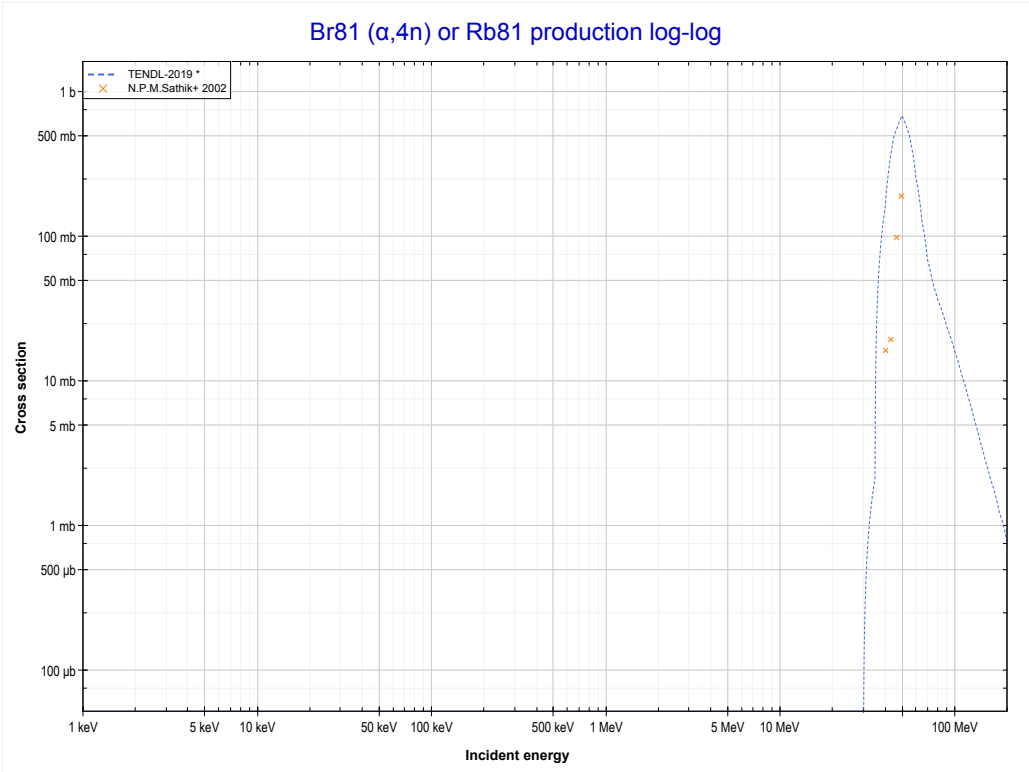
Reaction	Q-Value
Br81(α,3n)Rb82	-23578.04 keV

<< 35-Br-79	35-Br-81	37-Rb-85 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Br80 production)	MT37 (α,4n) >>



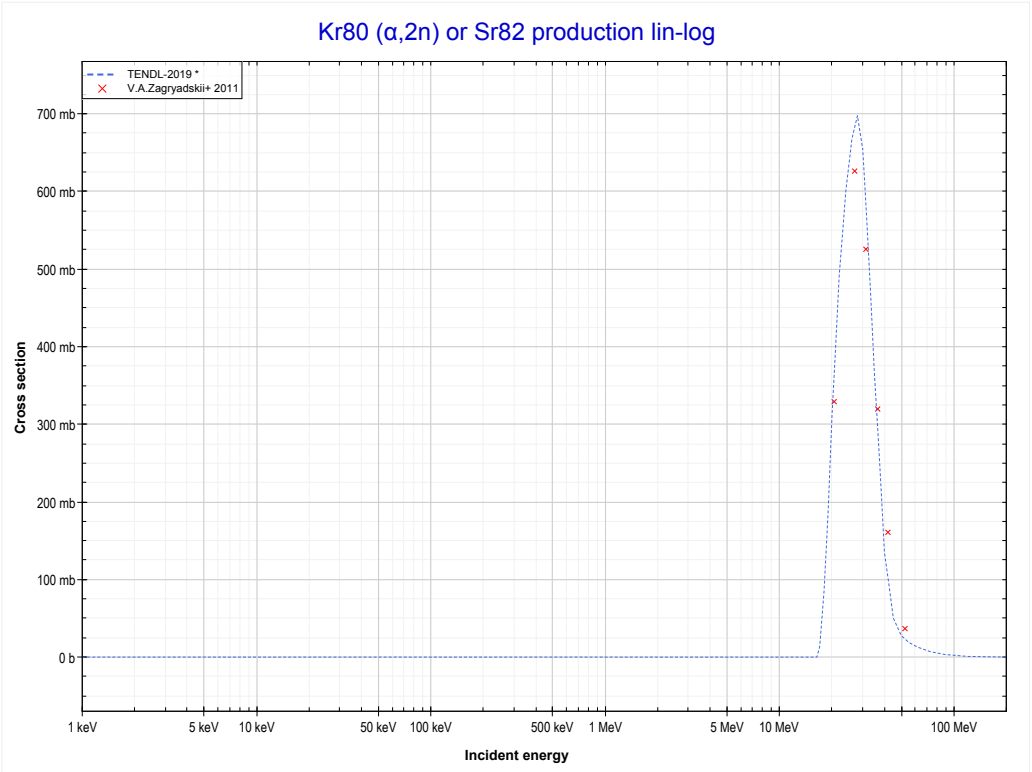
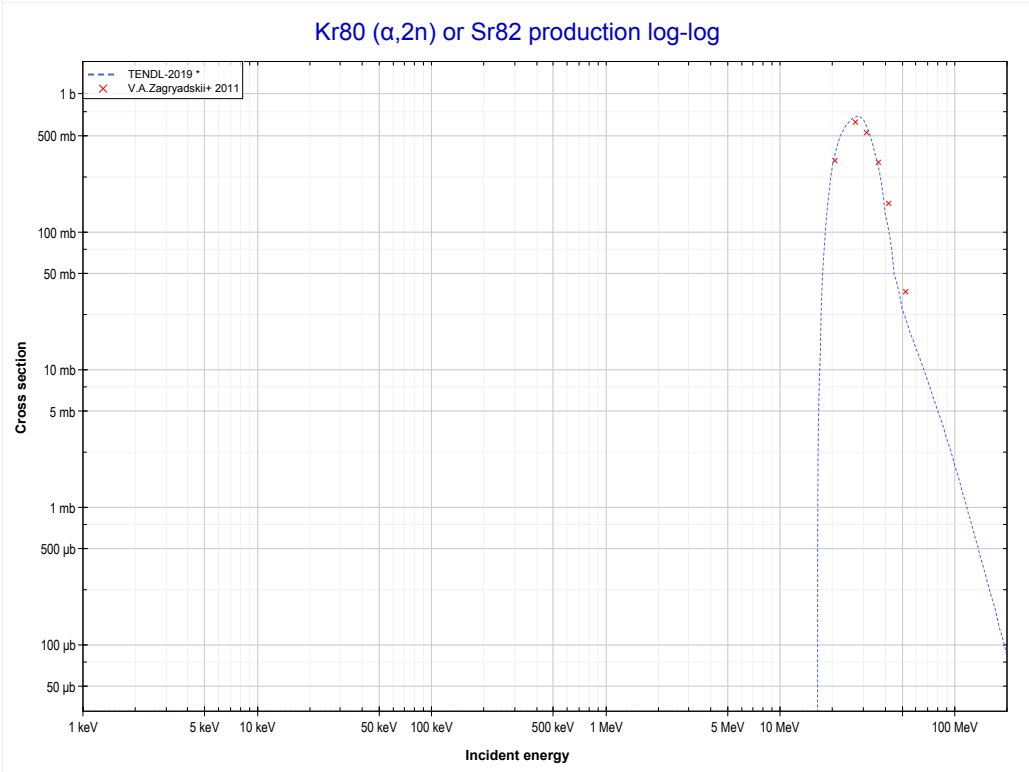
Reaction	Q-Value
Br81(α,n+α)Br80	-10159.32 keV
Br81(α,d+t)Br80	-27748.62 keV
Br81(α,n+p+t)Br80	-29973.18 keV
Br81(α,2n+He3)Br80	-30736.94 keV
Br81(α,n+2d)Br80	-34005.84 keV
Br81(α,2n+p+d)Br80	-36230.41 keV
Br81(α,3n+2p)Br80	-38454.98 keV

<< 33-As-75	35-Br-81	36-Kr-82 >>
<< MT22 ($\alpha,n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Rb81 production)	36-Kr-80 MT16 ($\alpha,2n$) >>



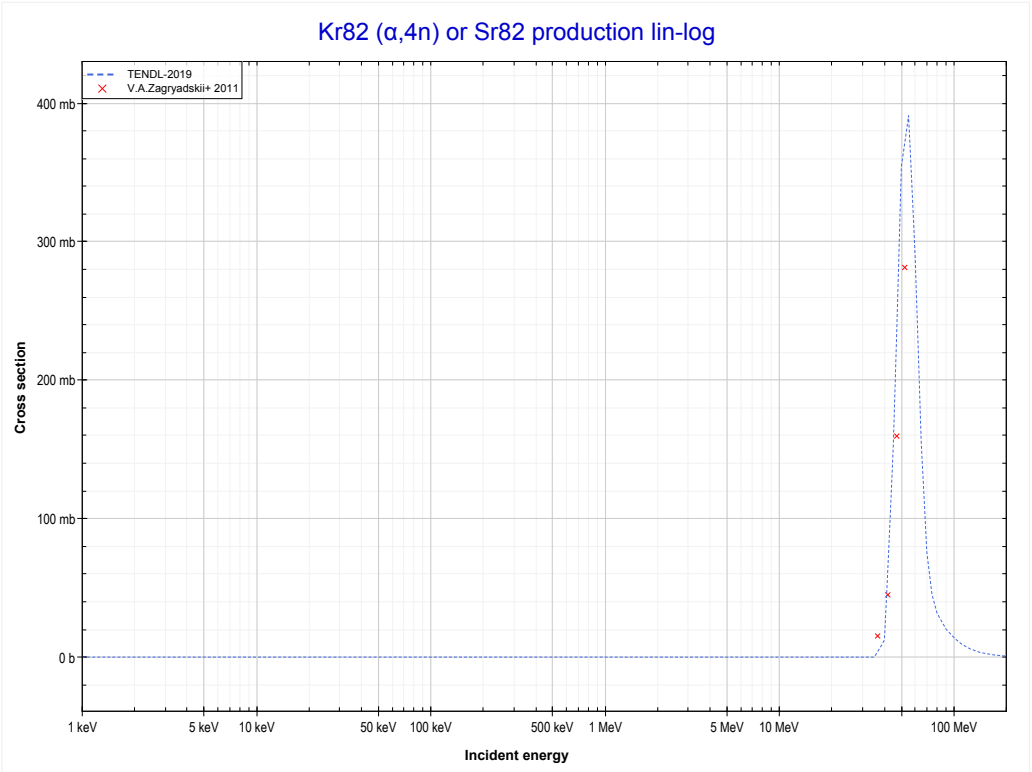
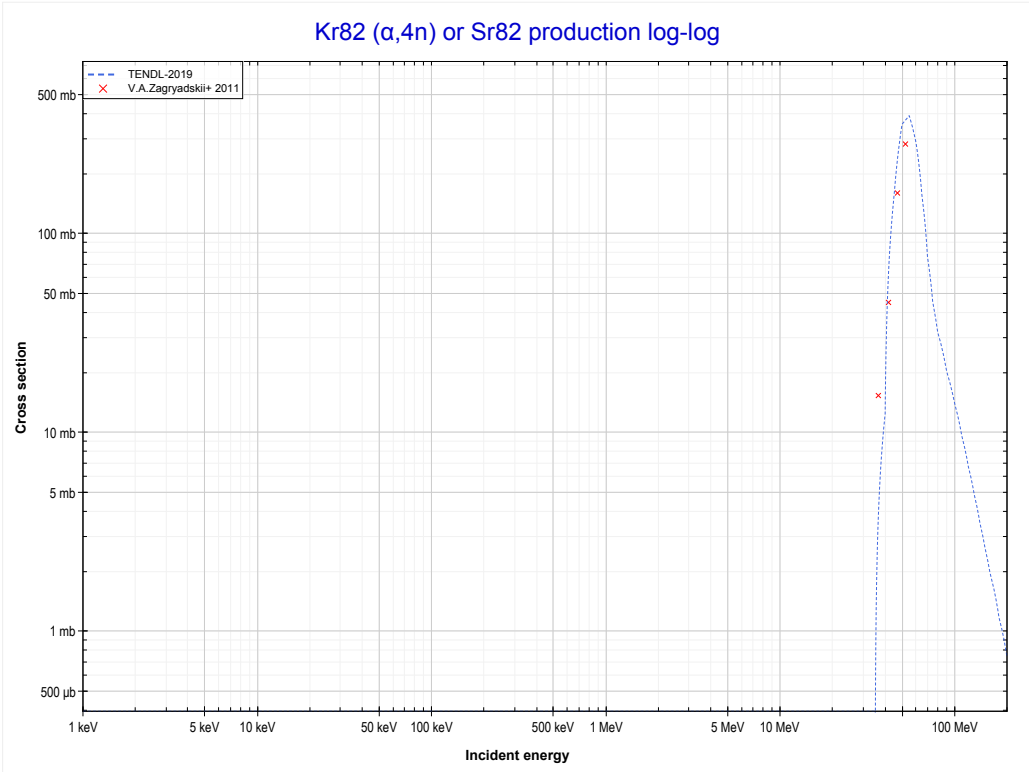
Reaction	Q-Value
Br81($\alpha,4n$)Rb81	-32380.35 keV

<< 35-Br-81	36-Kr-80	37-Rb-85 >>
<< 35-Br-81 MT37 ($\alpha,4n$)	MT16 ($\alpha,2n$) or MT5 (Sr82 production)	36-Kr-82 MT37 ($\alpha,4n$) >>



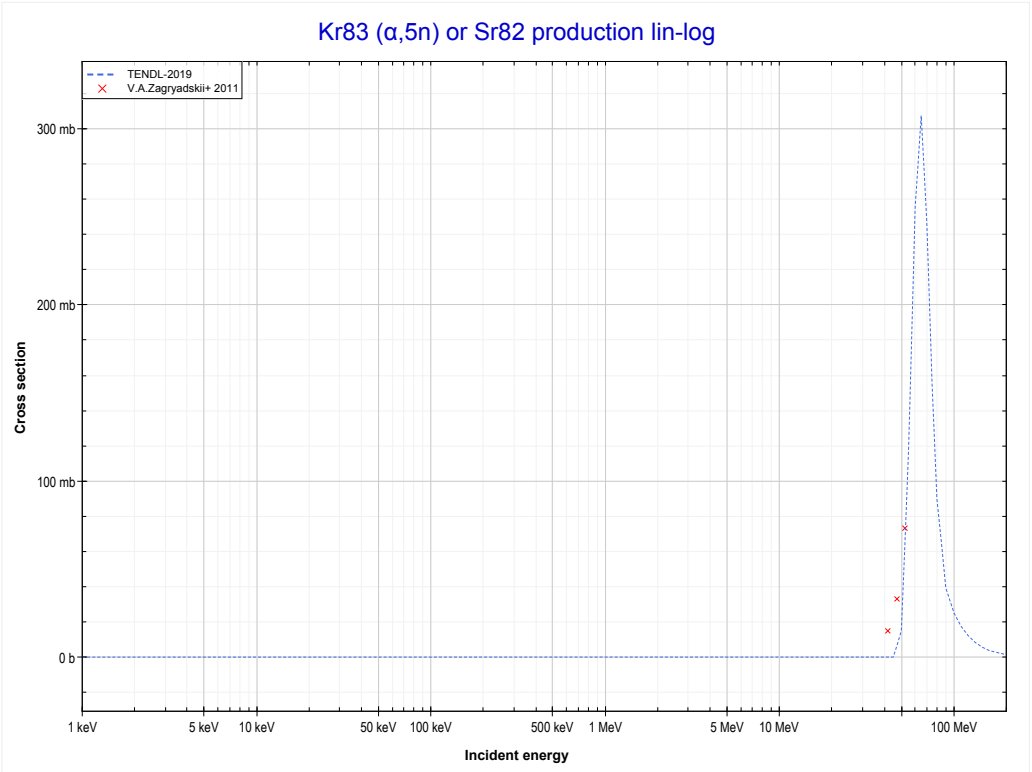
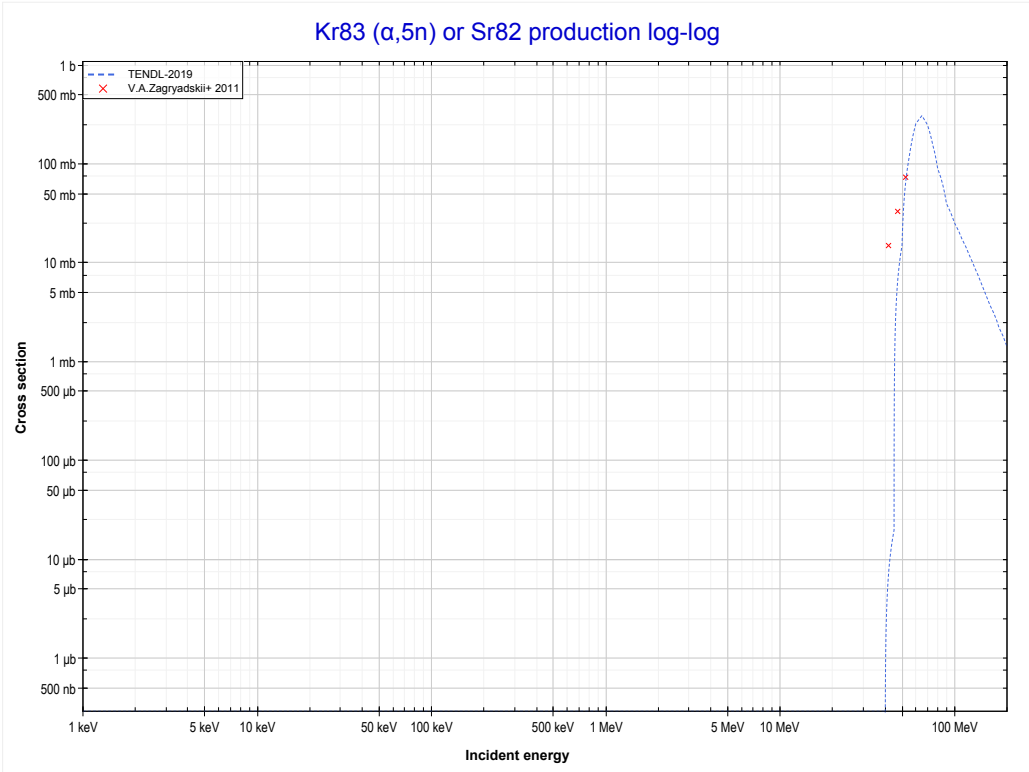
Reaction	Q-Value
Kr80($\alpha,2n$)Sr82	-15601.02 keV

<< 35-Br-81	36-Kr-82	37-Rb-85 >>
<< 36-Kr-80 MT16 ($\alpha,2n$)	MT37 ($\alpha,4n$) or MT5 (Sr82 production)	36-Kr-83 MT152 ($\alpha,5n$) >>



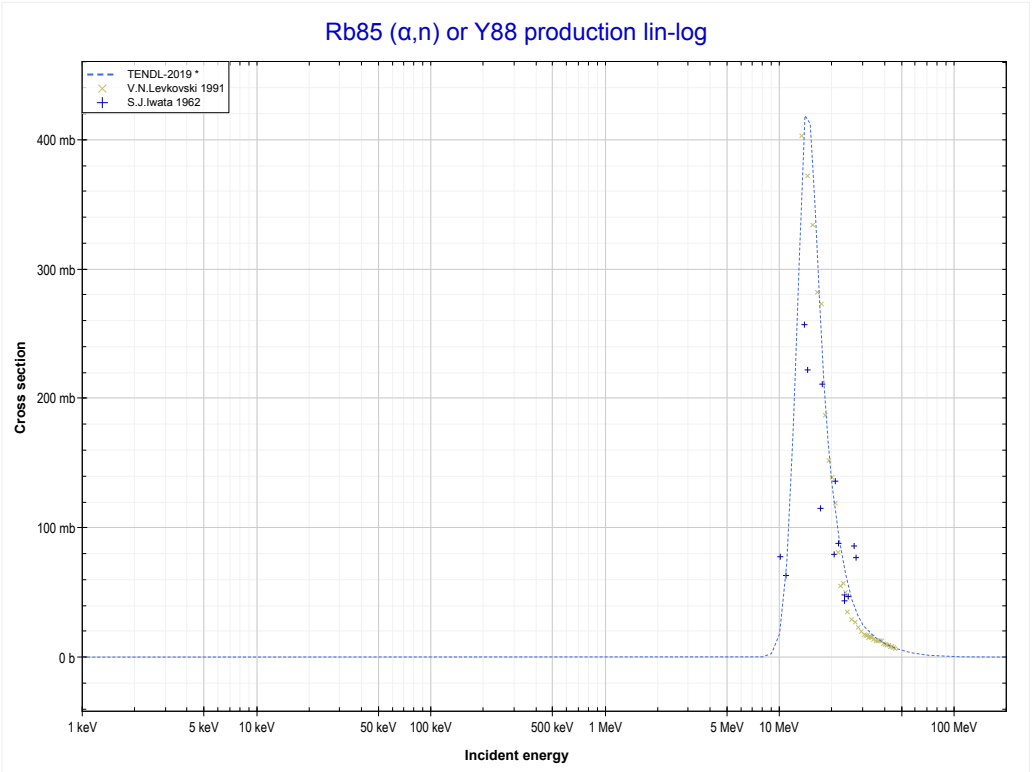
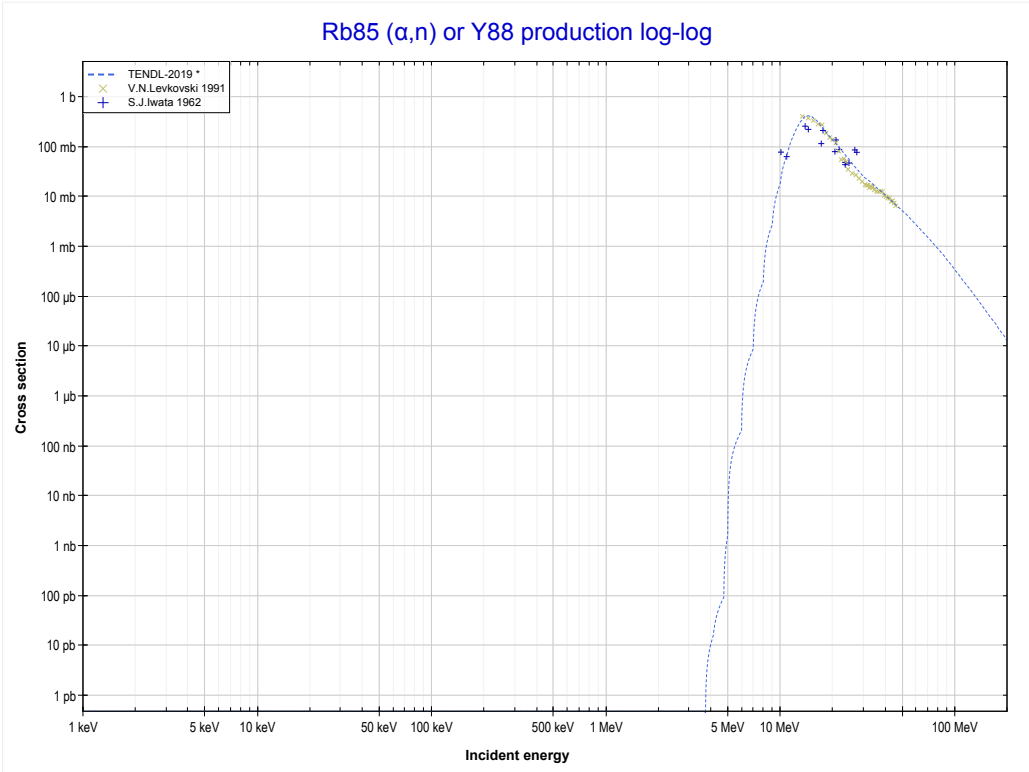
Reaction	Q-Value
Kr82($\alpha,4n$)Sr82	-34442.14 keV

<< 33-As-75	36-Kr-83	37-Rb-85 >>
<< 36-Kr-82 MT37 (α,4n)	MT152 (α,5n) or MT5 (Sr82 production)	37-Rb-85 MT4 (α,n) >>



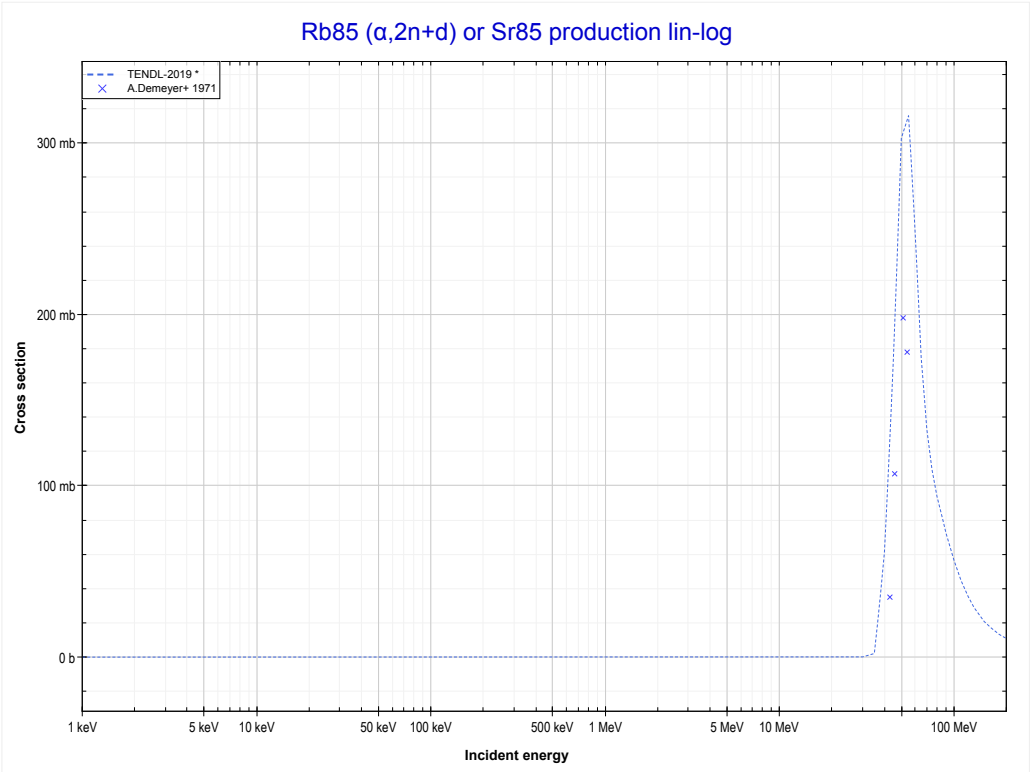
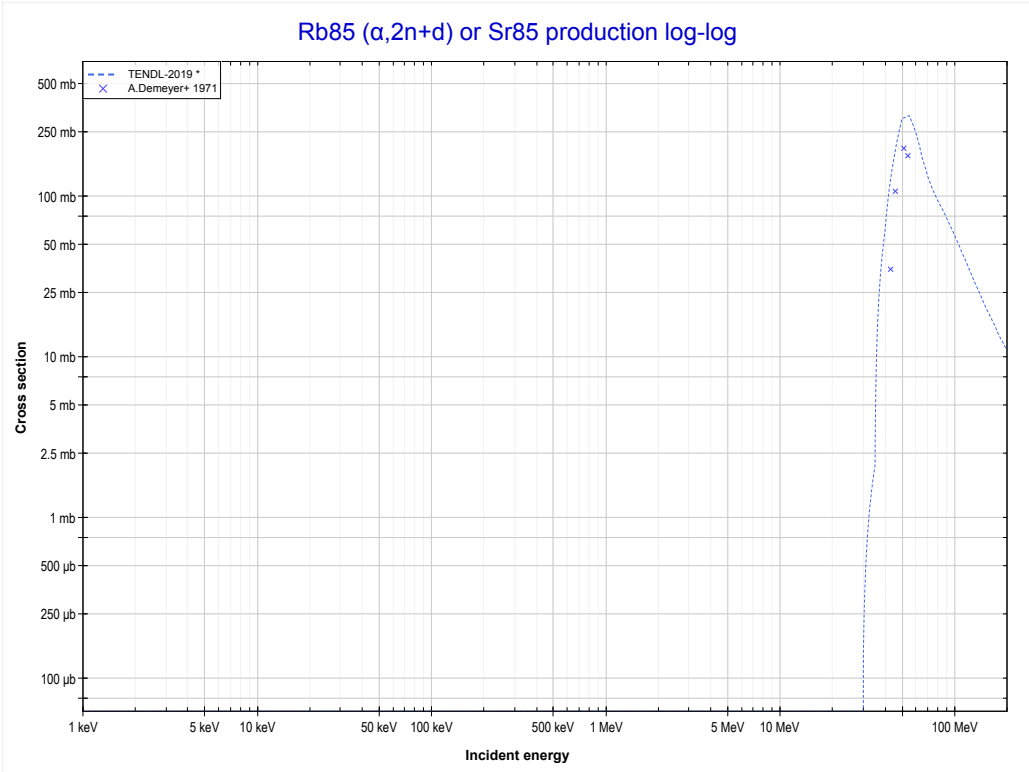
Reaction	Q-Value
Kr83(α,5n)Sr82	-41912.30 keV

<< 35-Br-81	37-Rb-85	37-Rb-87 >>
<< 36-Kr-83 MT152 (α,5n)	MT4 (α,n) or MT5 (Y88 production)	MT11 (α,2n+d) >>



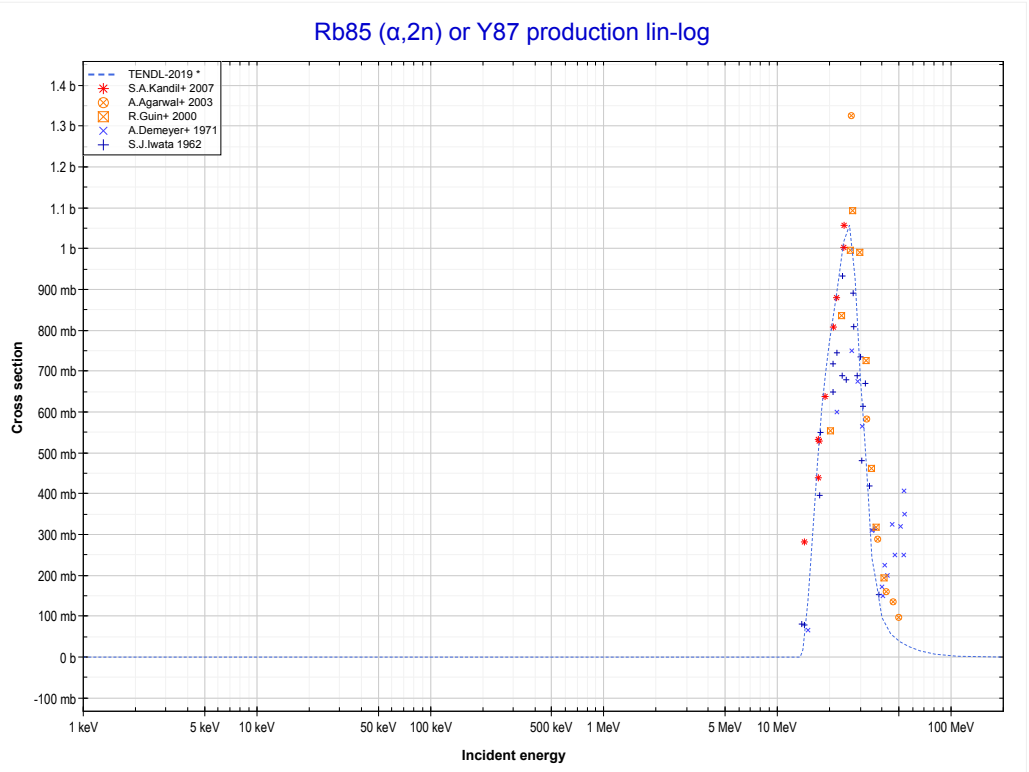
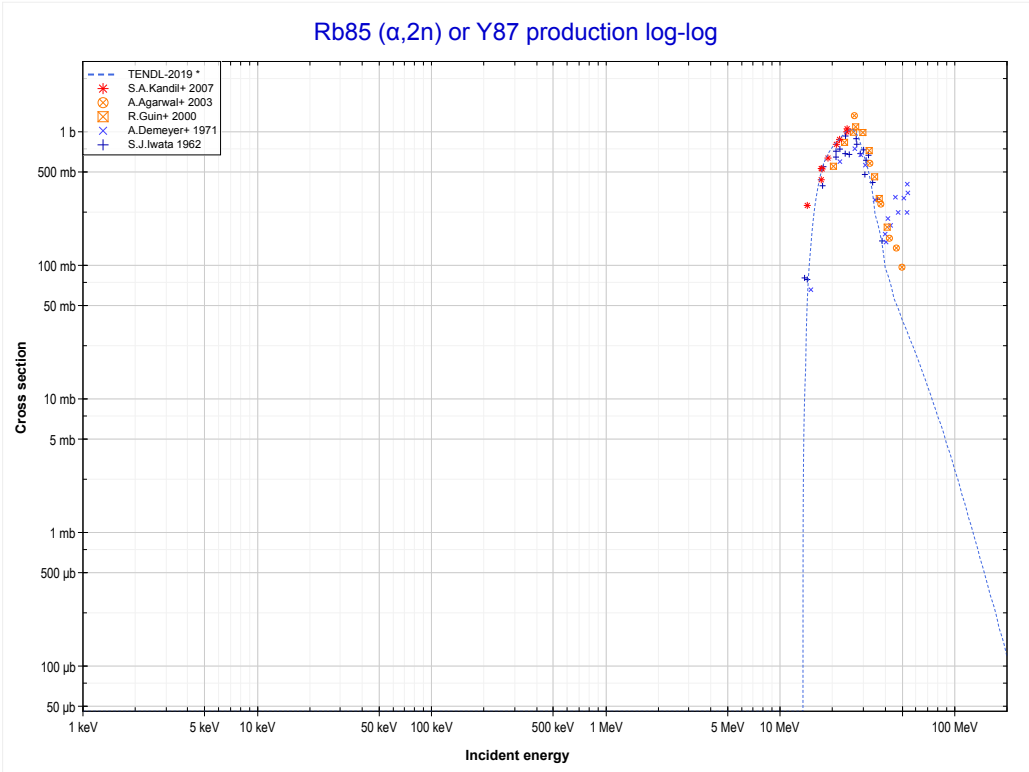
Reaction	Q-Value
Rb85(α,n)Y88	-3514.73 keV

<< 35-Br-79	37-Rb-85	40-Zr-90 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Sr85 production)	MT16 (α,2n) >>



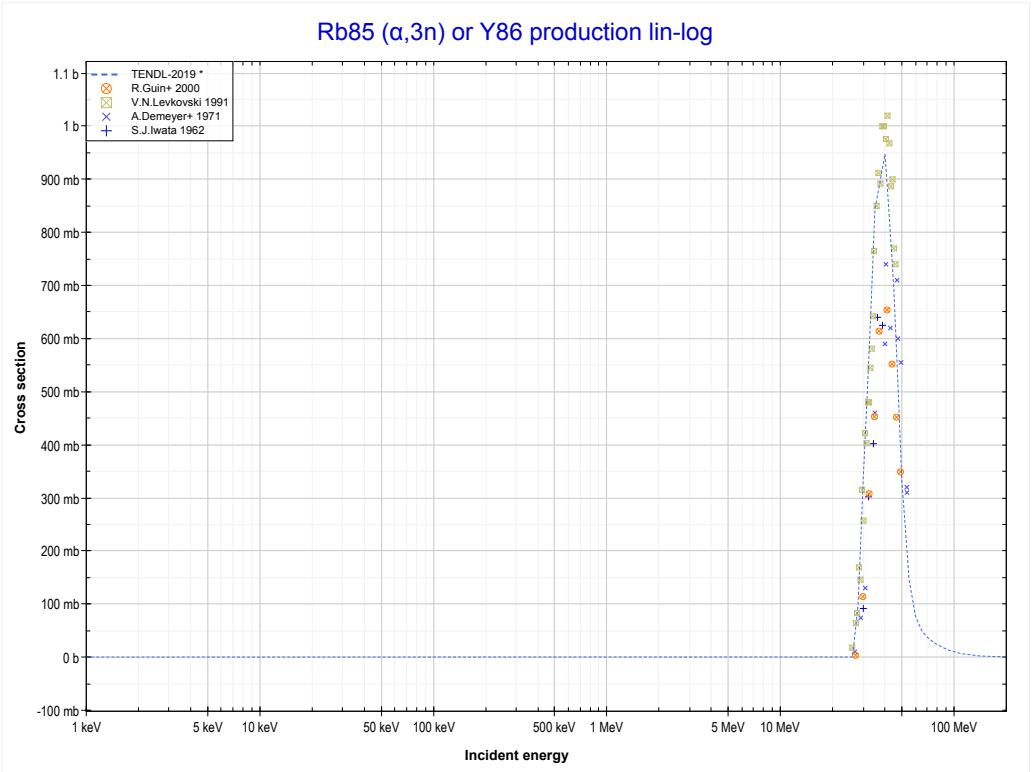
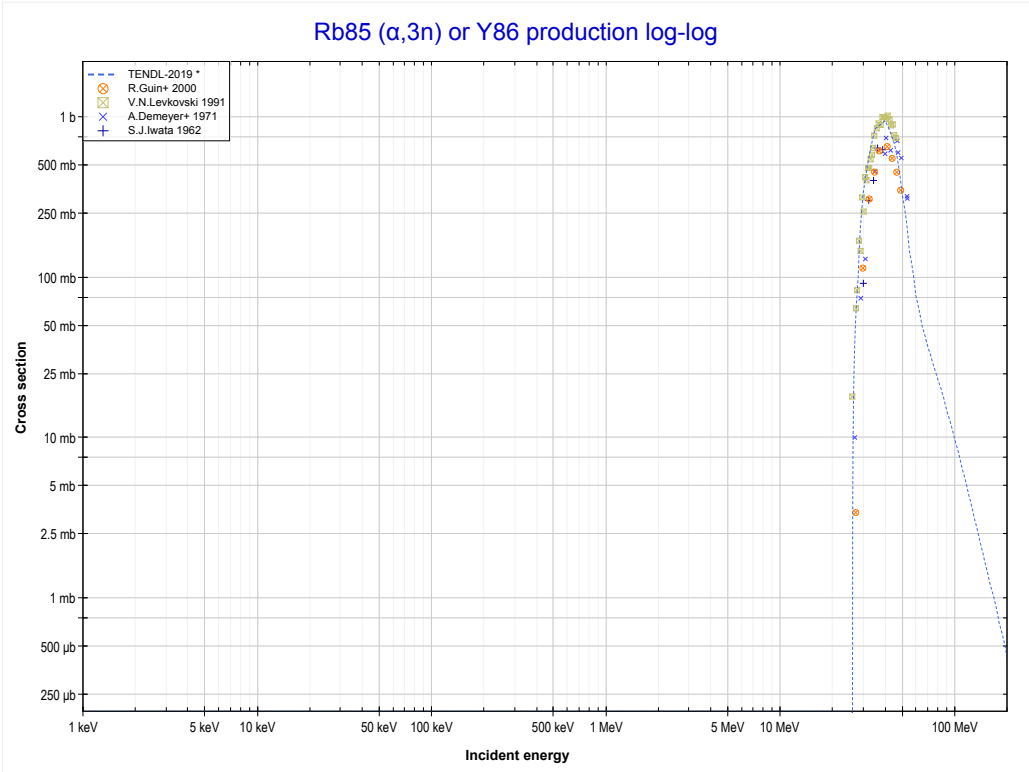
Reaction	Q-Value
Rb85(α,n+t)Sr85	-21660.24 keV
Rb85(α,2n+d)Sr85	-27917.47 keV
Rb85(α,3n+p)Sr85	-30142.04 keV

<< 36-Kr-80	37-Rb-85	38-Sr-86 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (Y87 production)	MT17 ($\alpha,3n$) >>



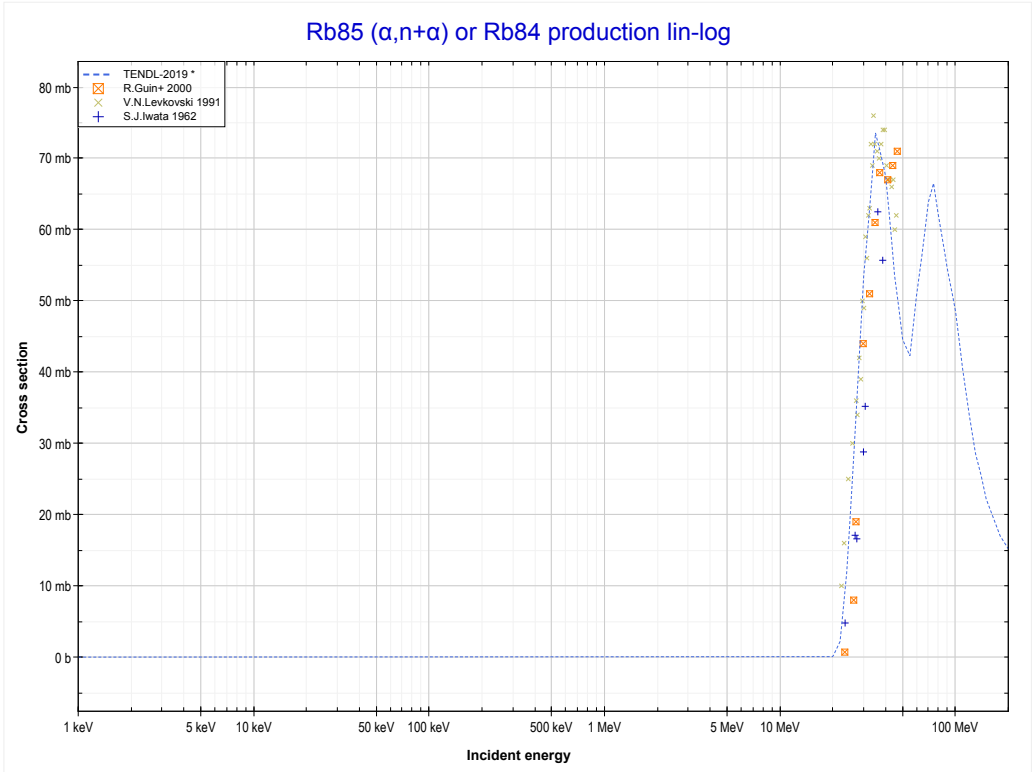
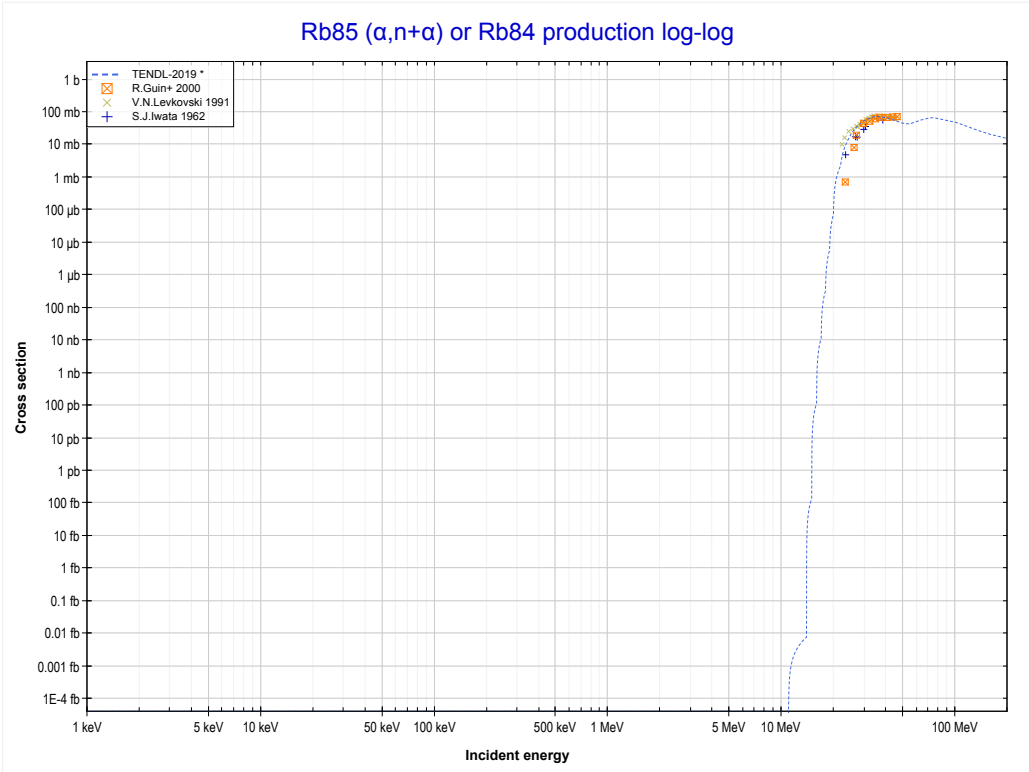
Reaction	Q-Value
Rb85($\alpha,2n$)Y87	-12866.65 keV

<< 35-Br-81	37-Rb-85	38-Sr-86 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Y86 production)	MT22 ($\alpha,n+\alpha$) >>



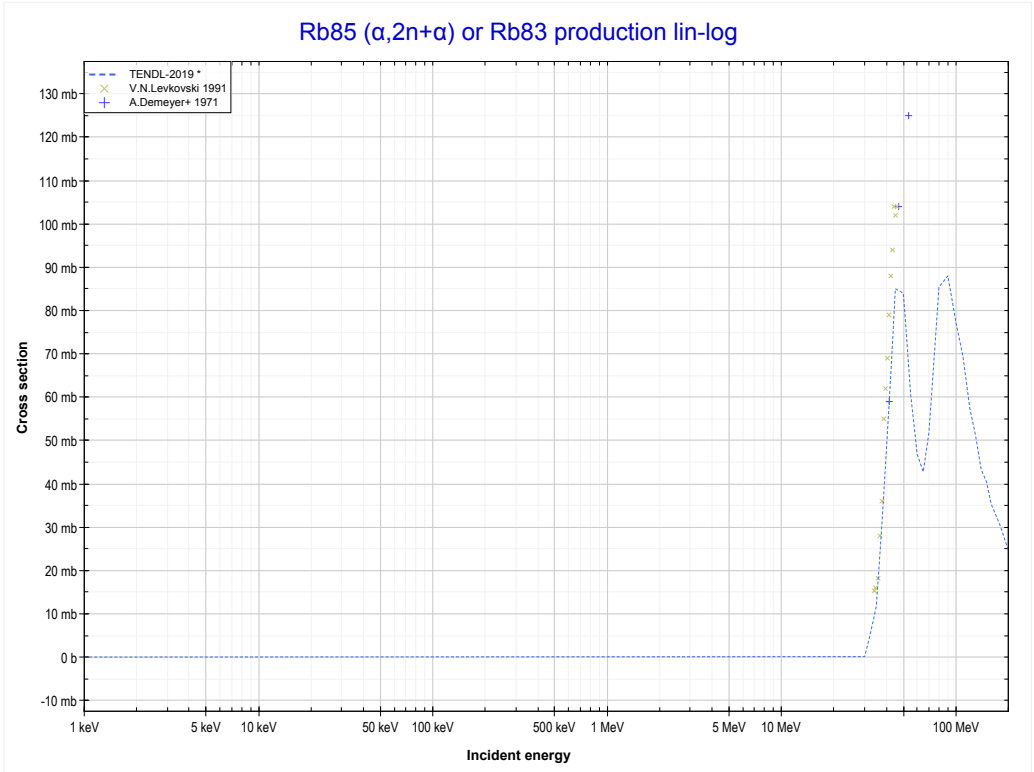
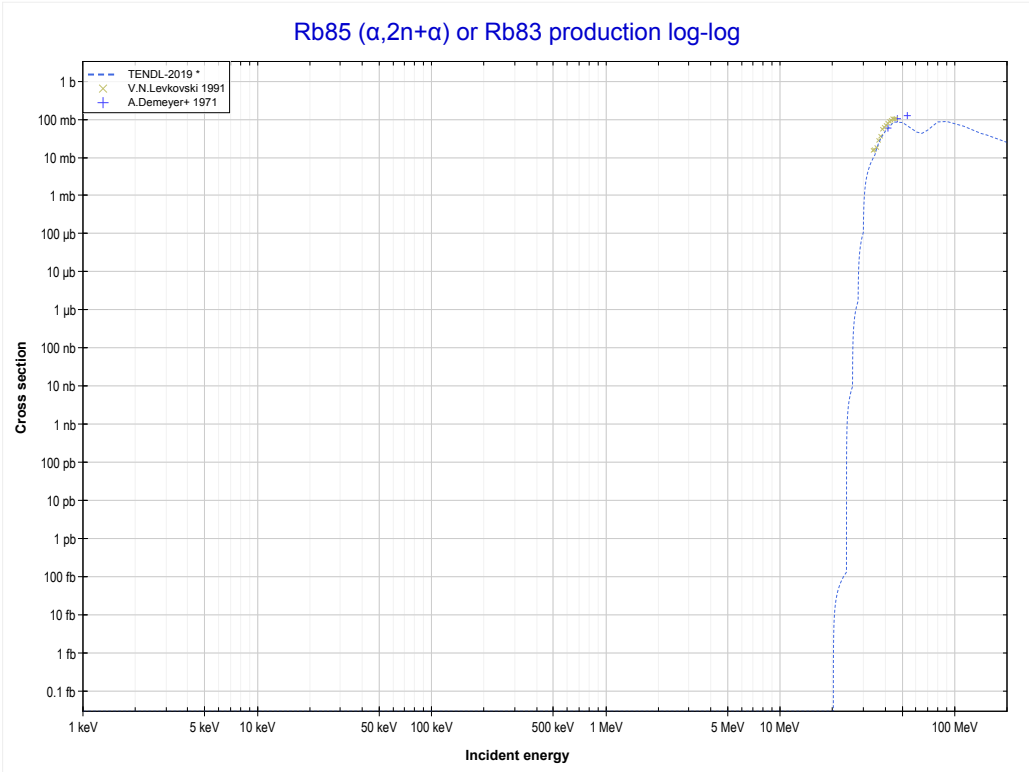
Reaction	Q-Value
Rb85($\alpha,3n$)Y86	-24673.37 keV

<< 35-Br-81	37-Rb-85	39-Y-89 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Rb84 production)	MT24 (α,2n+α) >>



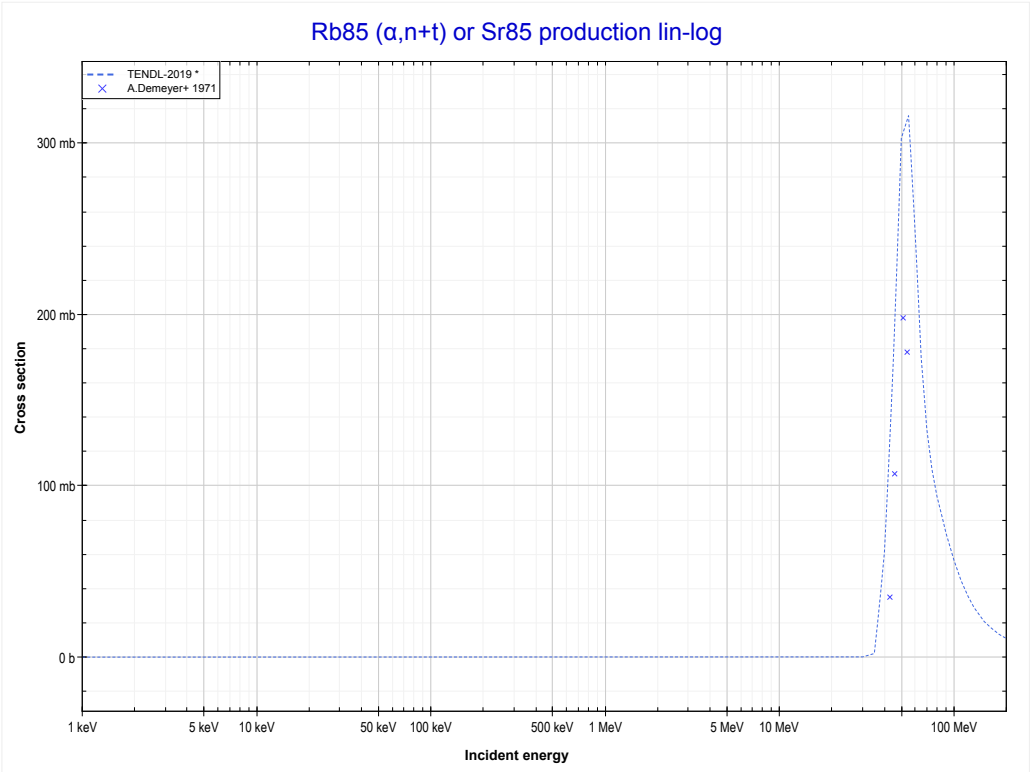
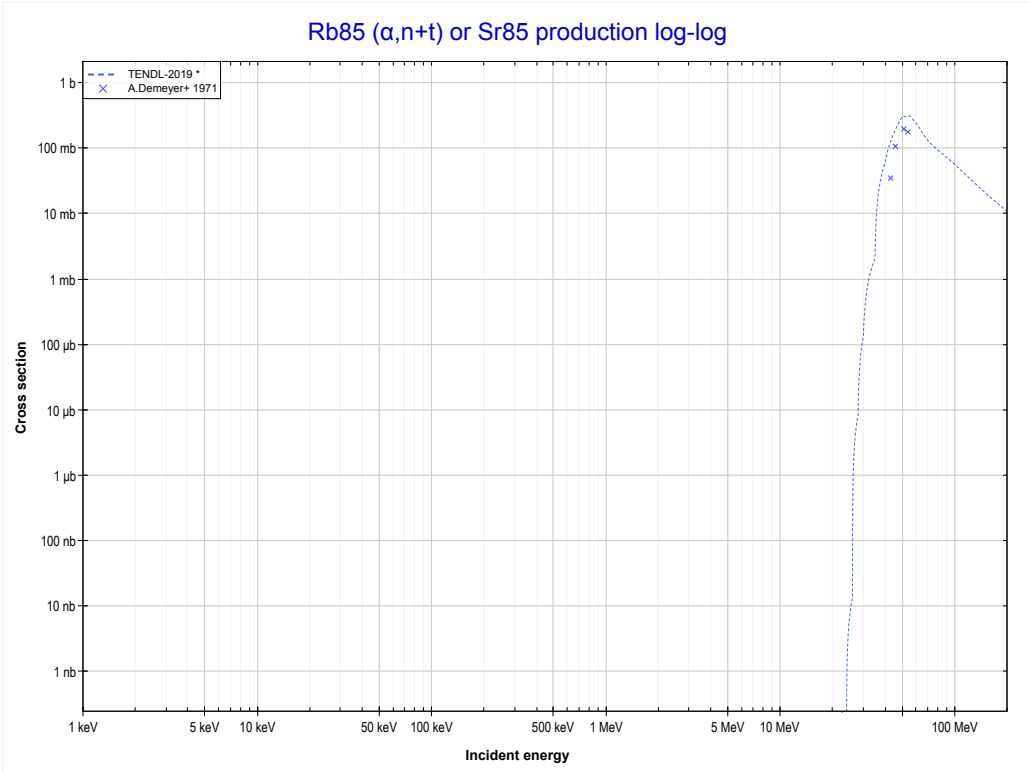
Reaction	Q-Value
Rb85(α,n+α)Rb84	-10479.65 keV
Rb85(α,d+t)Rb84	-28068.95 keV
Rb85(α,n+p+t)Rb84	-30293.51 keV
Rb85(α,2n+He3)Rb84	-31057.27 keV
Rb85(α,n+2d)Rb84	-34326.18 keV
Rb85(α,2n+p+d)Rb84	-36550.74 keV
Rb85(α,3n+2p)Rb84	-38775.31 keV

<< 35-Br-79	37-Rb-85	39-Y-89 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Rb83 production)	MT33 ($\alpha,n+t$) >>



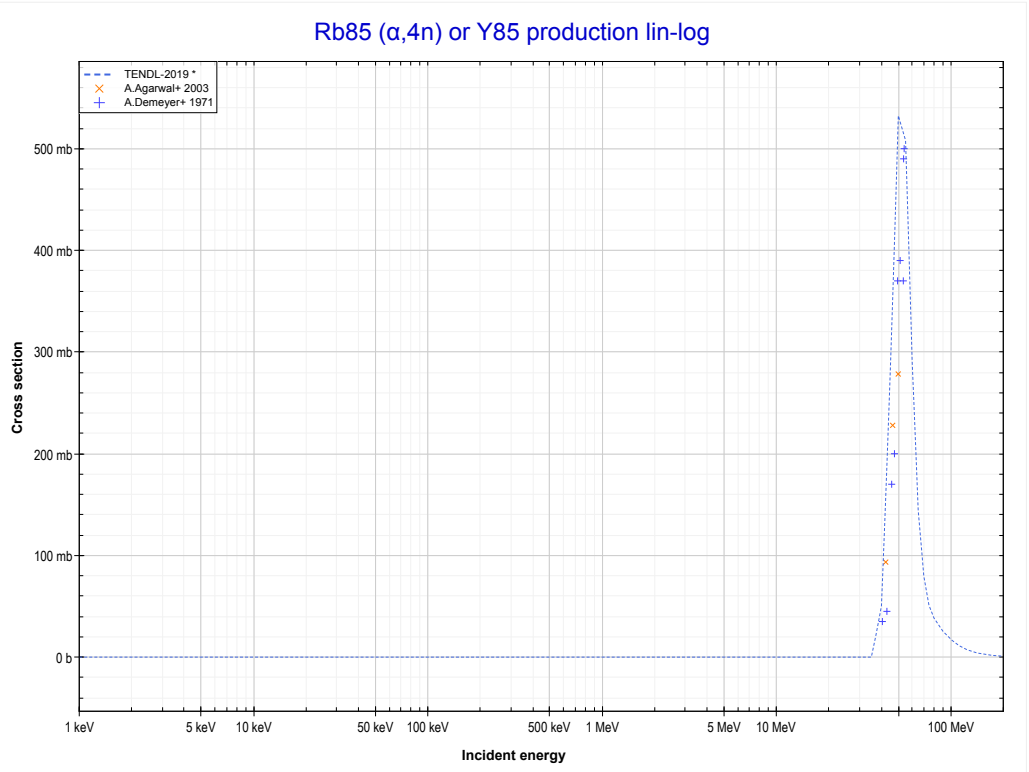
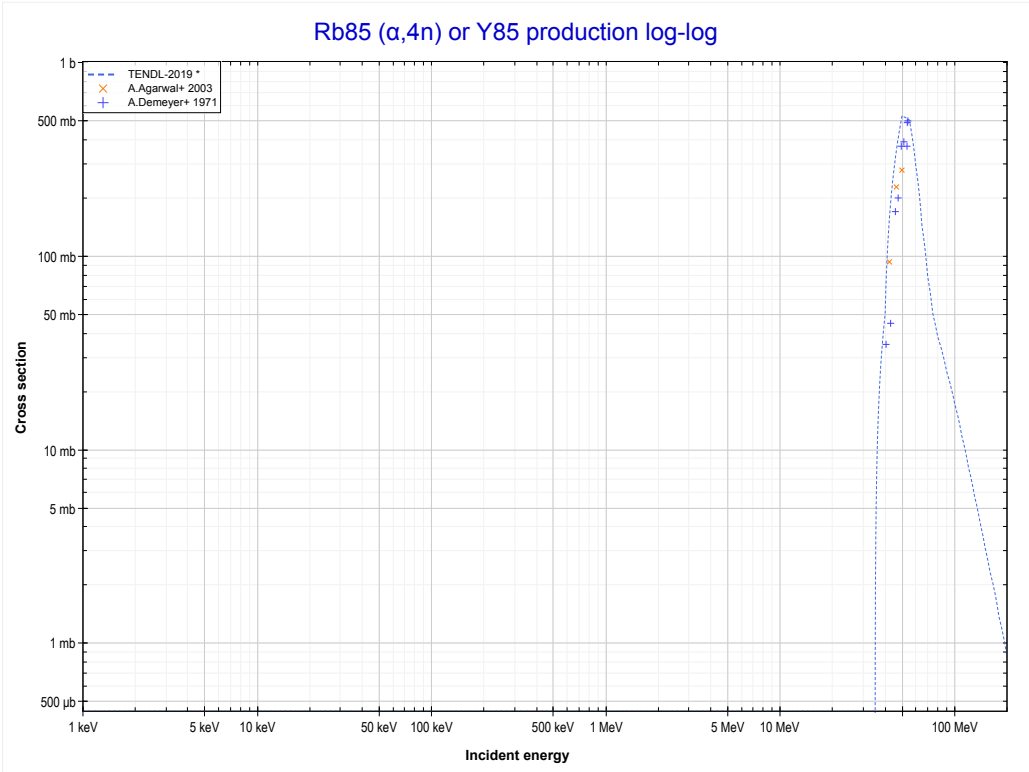
Reaction	Q-Value
Rb85($\alpha,2n+\alpha$)Rb83	-19239.37 keV
Rb85($\alpha,2t$)Rb83	-30571.44 keV
Rb85($\alpha,n+d+t$)Rb83	-36828.66 keV
Rb85($\alpha,2n+p+t$)Rb83	-39053.23 keV
Rb85($\alpha,3n+He3$)Rb83	-39816.98 keV
Rb85($\alpha,2n+2d$)Rb83	-43085.89 keV
Rb85($\alpha,3n+p+d$)Rb83	-45310.46 keV
Rb85($\alpha,4n+2p$)Rb83	-47535.02 keV

<< 35-Br-79	37-Rb-85	40-Zr-90 >>
<< MT24 ($\alpha,2n+\alpha$)	MT33 ($\alpha,n+t$) or MT5 (Sr85 production)	MT37 ($\alpha,4n$) >>



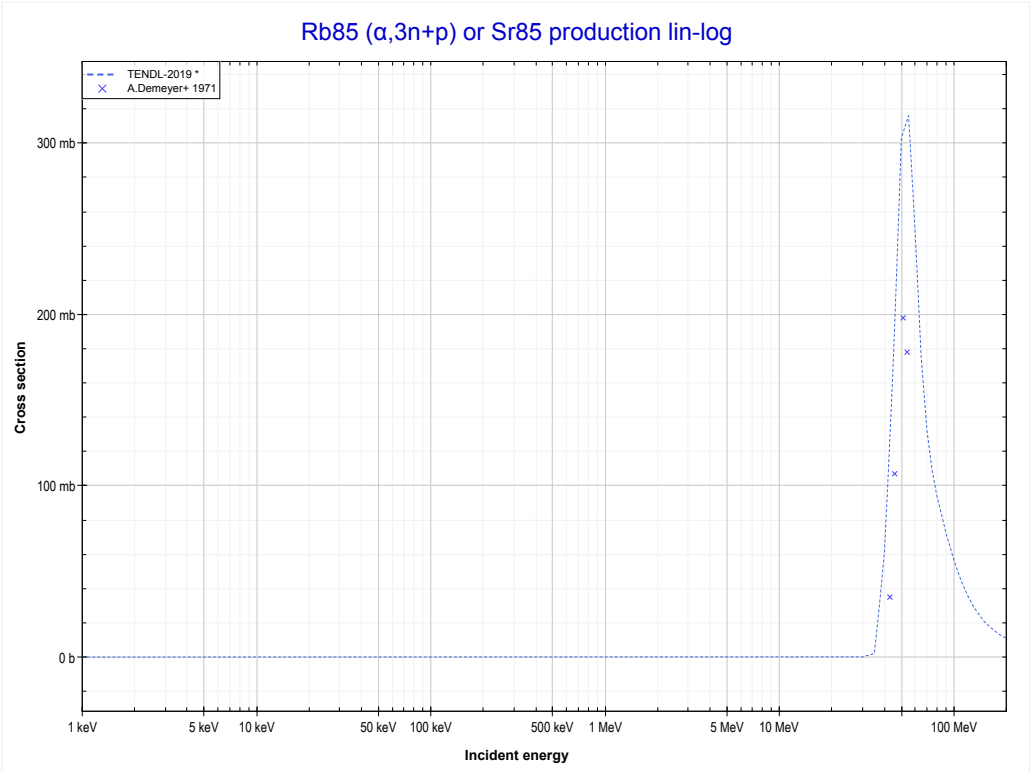
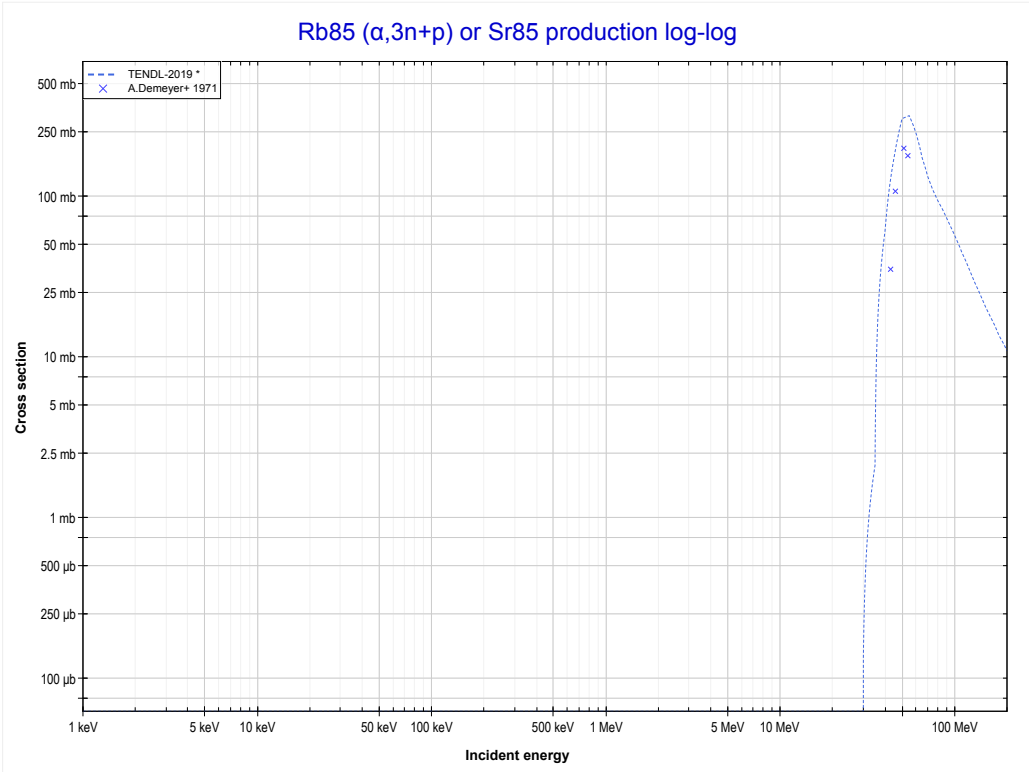
Reaction	Q-Value
Rb85($\alpha,n+t$)Sr85	-21660.24 keV
Rb85($\alpha,2n+d$)Sr85	-27917.47 keV
Rb85($\alpha,3n+p$)Sr85	-30142.04 keV

<< 36-Kr-82	37-Rb-85	37-Rb-87 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Y85 production)	MT42 ($\alpha,3n+p$) >>



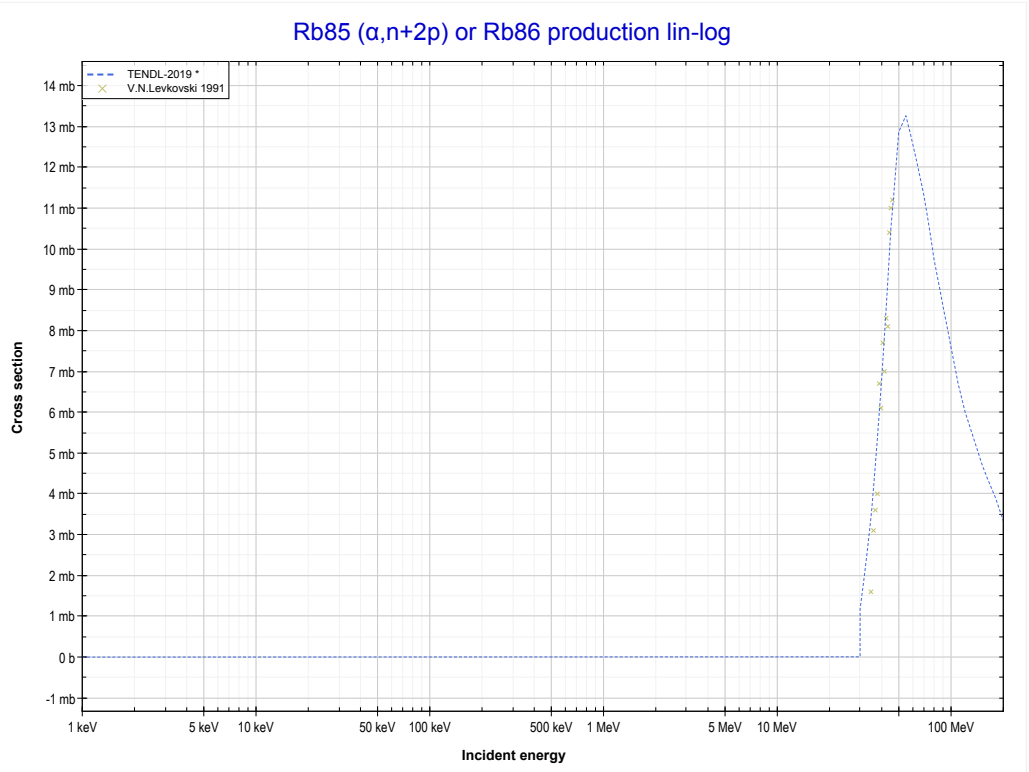
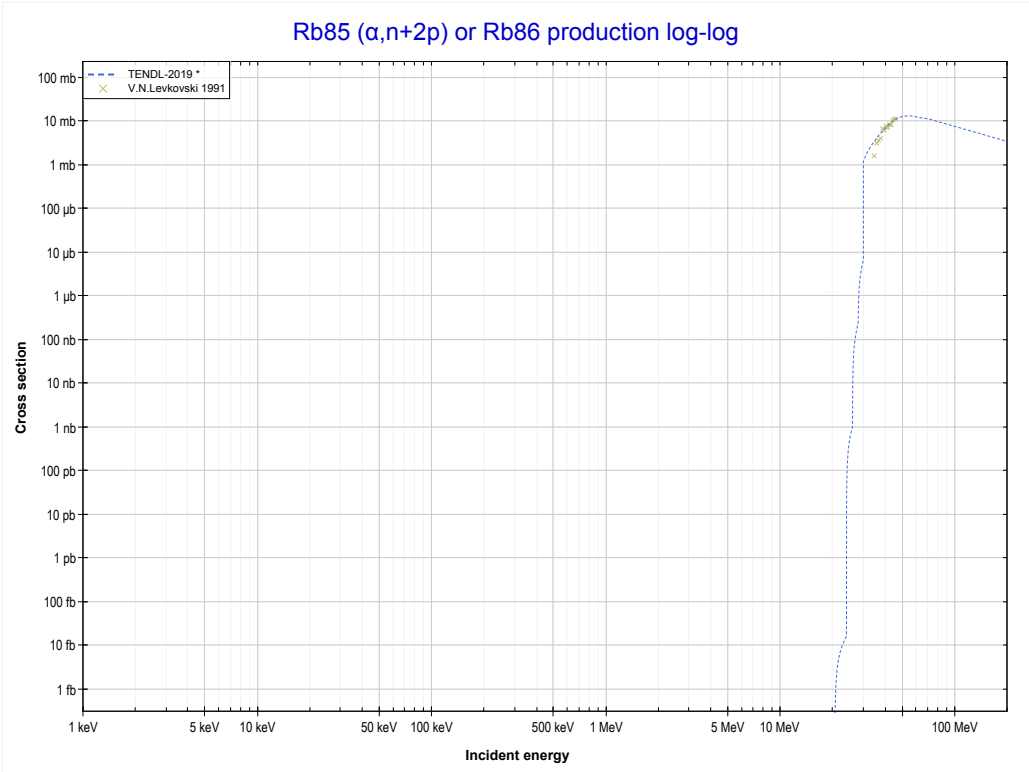
Reaction	Q-Value
Rb85($\alpha,4n$)Y85	-34185.68 keV

<< 35-Br-79	37-Rb-85	40-Zr-90 >>
<< MT37 ($\alpha,4n$)	MT42 ($\alpha,3n+p$) or MT5 (Sr85 production)	MT44 ($\alpha,n+2p$) >>



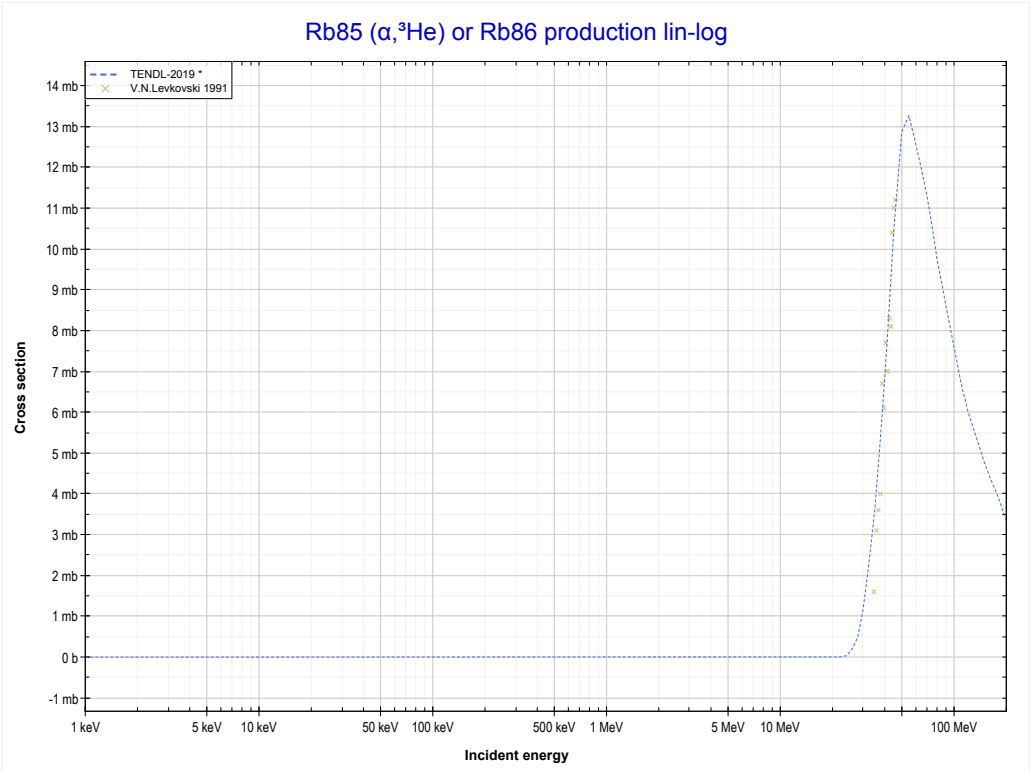
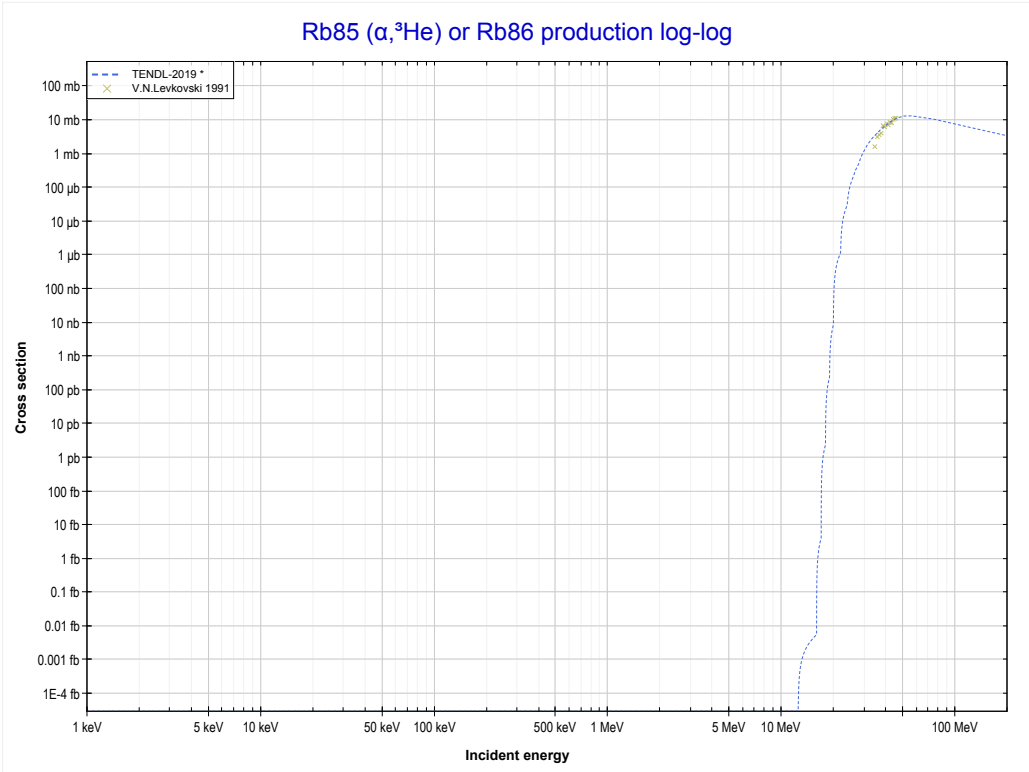
Reaction	Q-Value
Rb85($\alpha,n+t$)Sr85	-21660.24 keV
Rb85($\alpha,2n+d$)Sr85	-27917.47 keV
Rb85($\alpha,3n+p$)Sr85	-30142.04 keV

<< 34-Se-74	37-Rb-85	50-Sn-124 >>
<< MT42 ($\alpha,3n+p$)	MT44 ($\alpha,n+2p$) or MT5 (Rb86 production)	MT106 ($\alpha,^3\text{He}$) >>



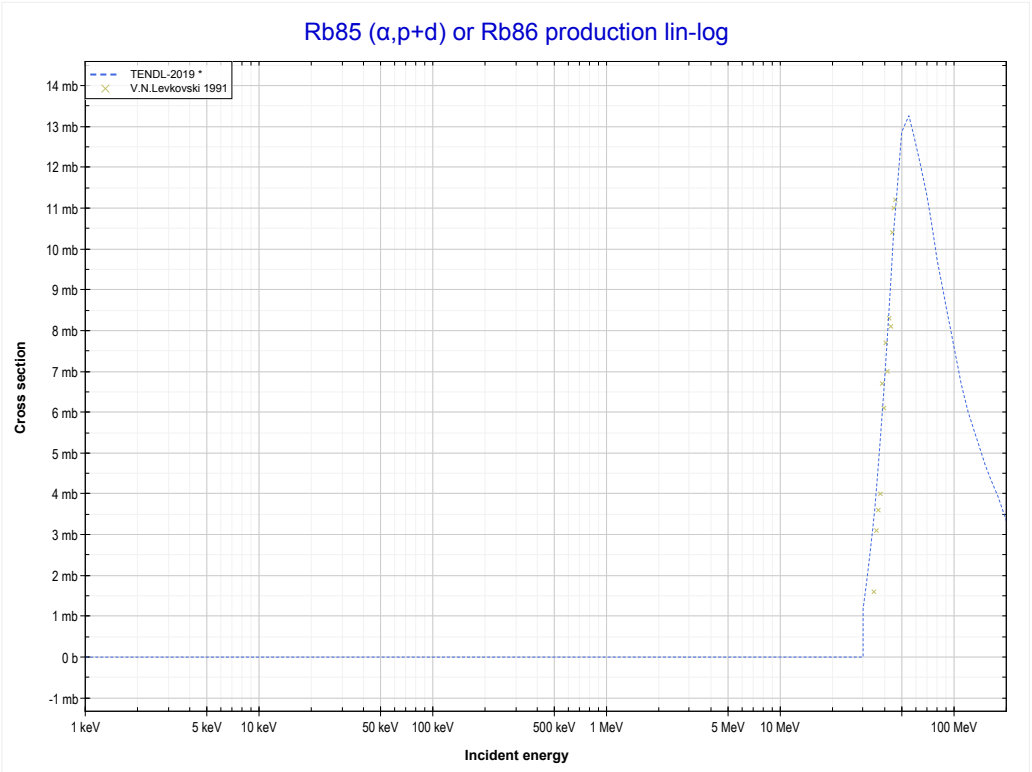
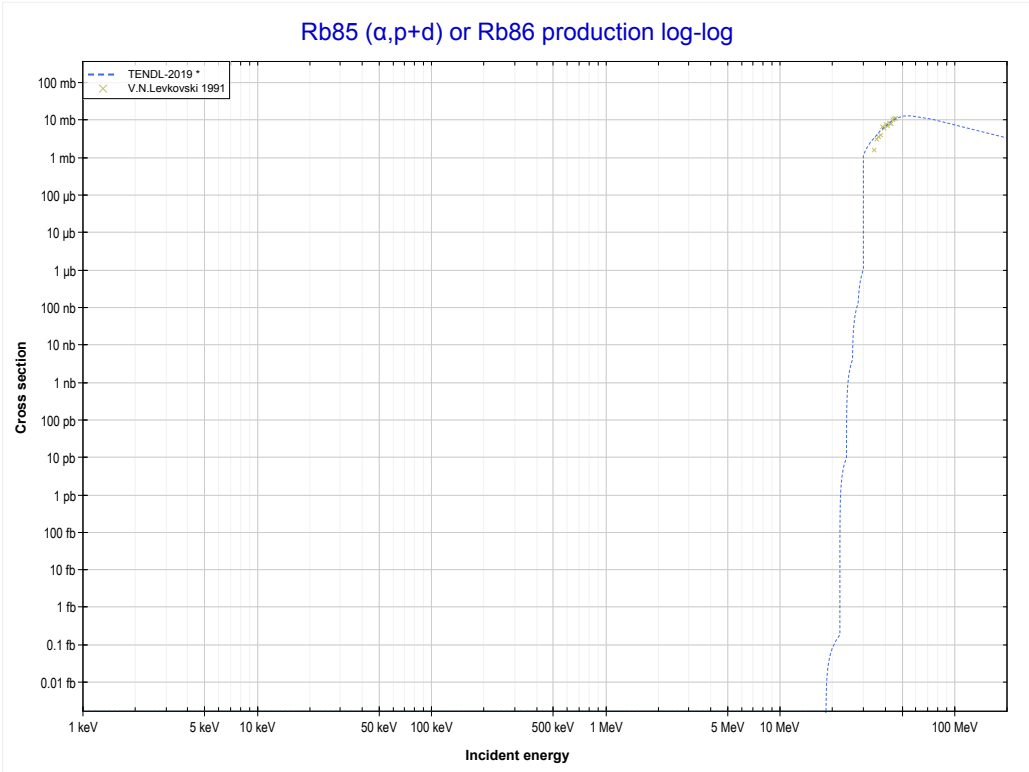
Reaction	Q-Value
Rb85($\alpha,\text{He3}$)Rb86	-11926.64 keV
Rb85($\alpha,p+d$)Rb86	-17420.12 keV
Rb85($\alpha,n+2p$)Rb86	-19644.68 keV

<< 34-Se-74	37-Rb-85	65-Tb-159 >>
<< MT44 (α ,n+2p)	MT106 (α , ^3He) or MT5 (Rb86 production)	MT115 (α ,p+d) >>



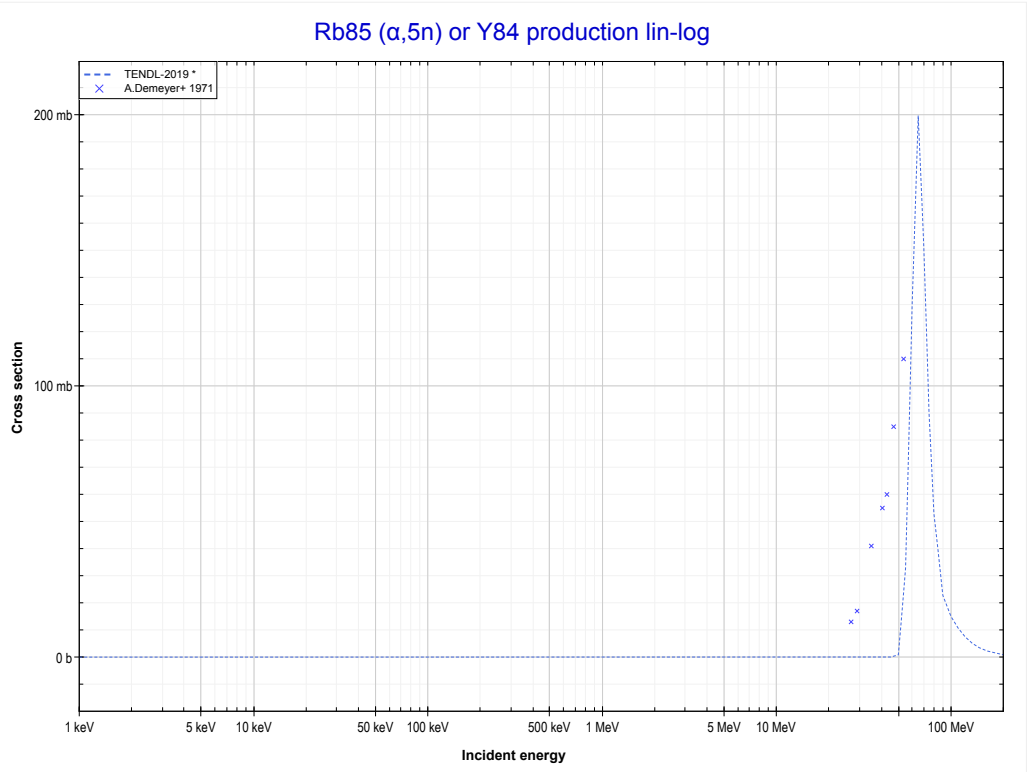
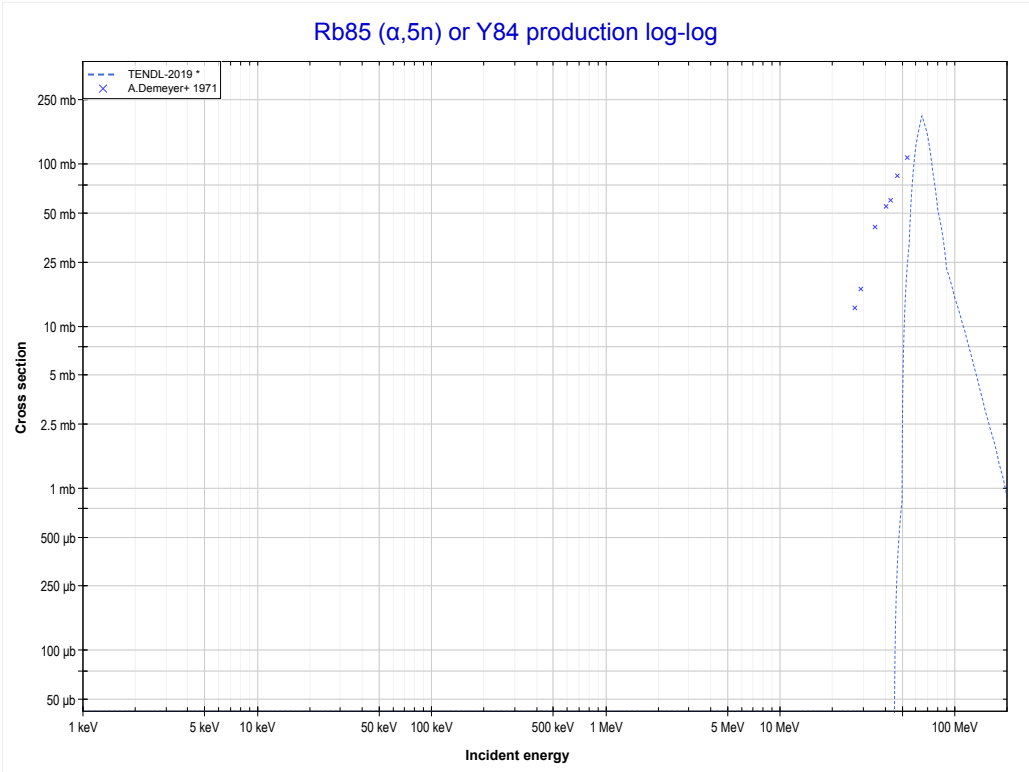
Reaction	Q-Value
Rb85(α ,He3)Rb86	-11926.64 keV
Rb85(α ,p+d)Rb86	-17420.12 keV
Rb85(α ,n+2p)Rb86	-19644.68 keV

<< 34-Se-74	37-Rb-85	65-Tb-159 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Rb86 production)	MT152 (α ,5n) >>



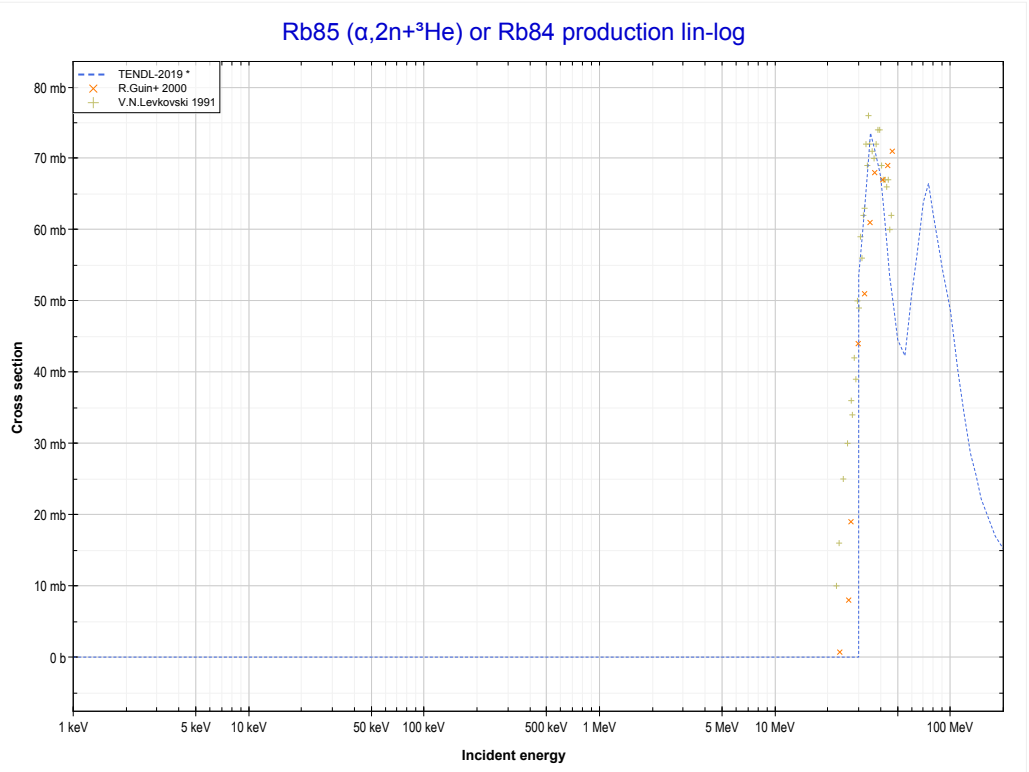
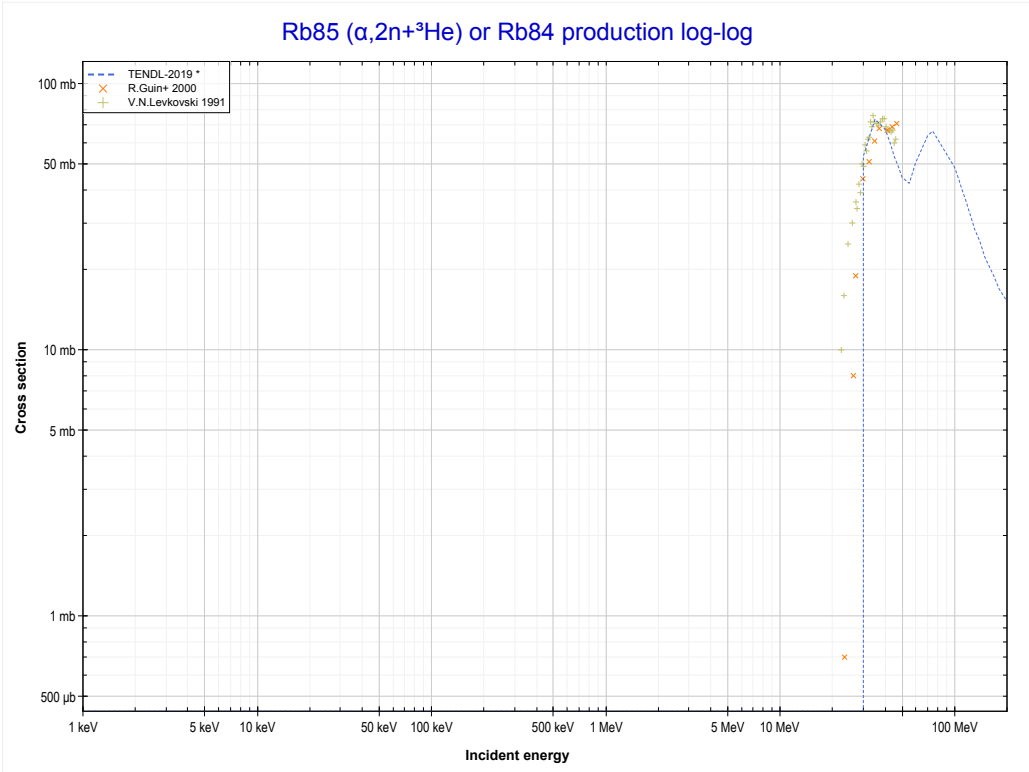
Reaction	Q-Value
Rb85(α ,He3)Rb86	-11926.64 keV
Rb85(α ,p+d)Rb86	-17420.12 keV
Rb85(α ,n+2p)Rb86	-19644.68 keV

<< 36-Kr-83	37-Rb-85	41-Nb-93 >>
<< MT115 (α ,p+d)	MT152 (α ,5n) or MT5 (Y84 production)	MT176 (α ,2n+ ^3He) >>



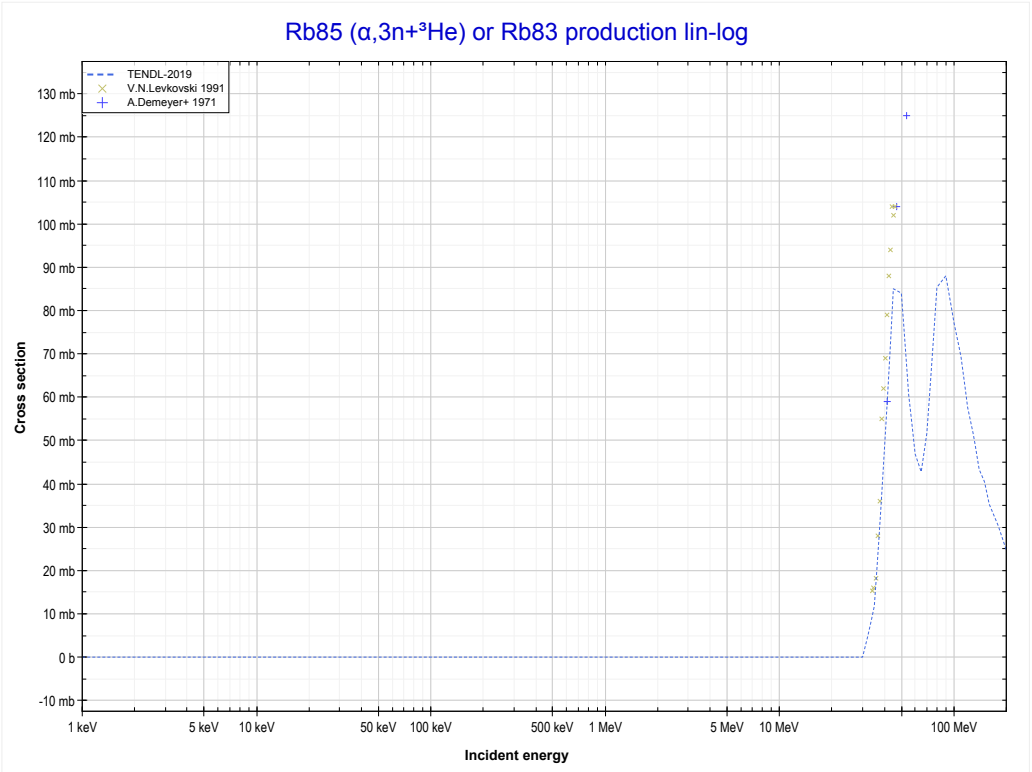
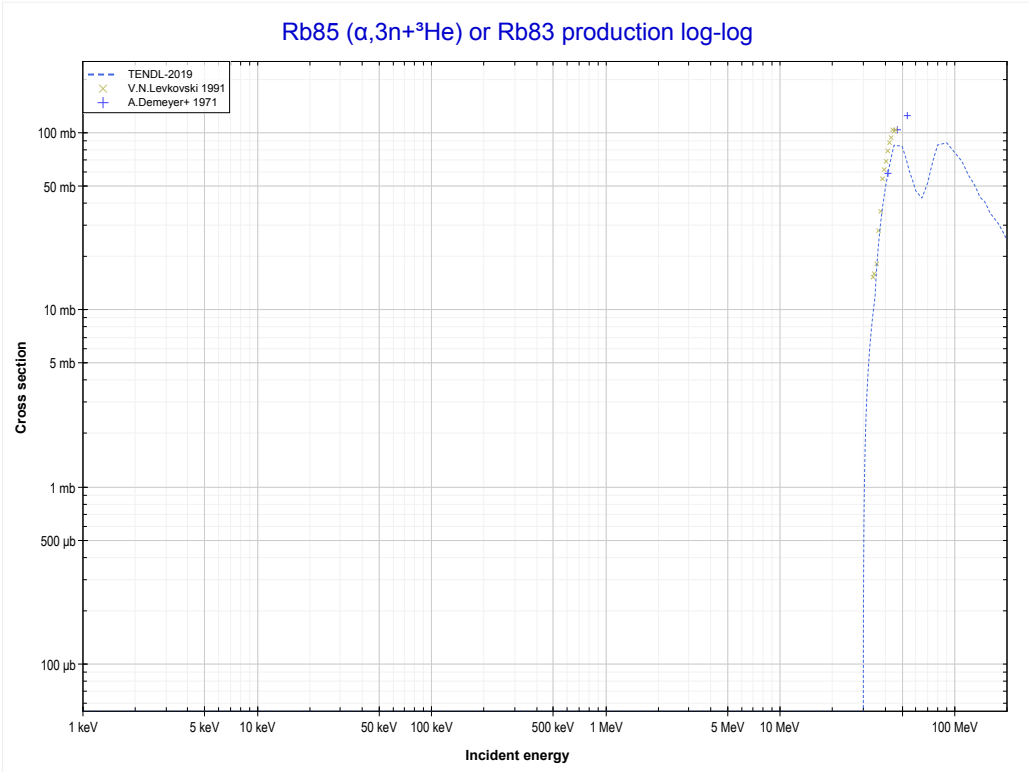
Reaction	Q-Value
Rb85(α ,5n)Y84	-46205.00 keV

<< 34-Se-76	37-Rb-85	39-Y-89 >>
<< MT152 ($\alpha,5n$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Rb84 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



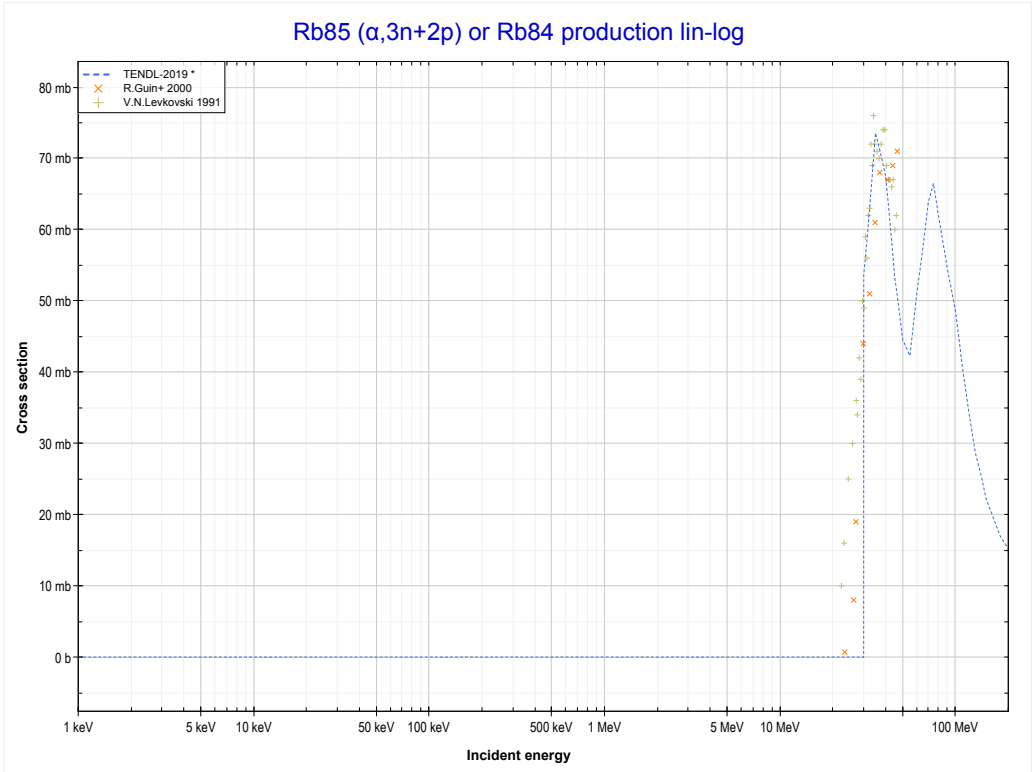
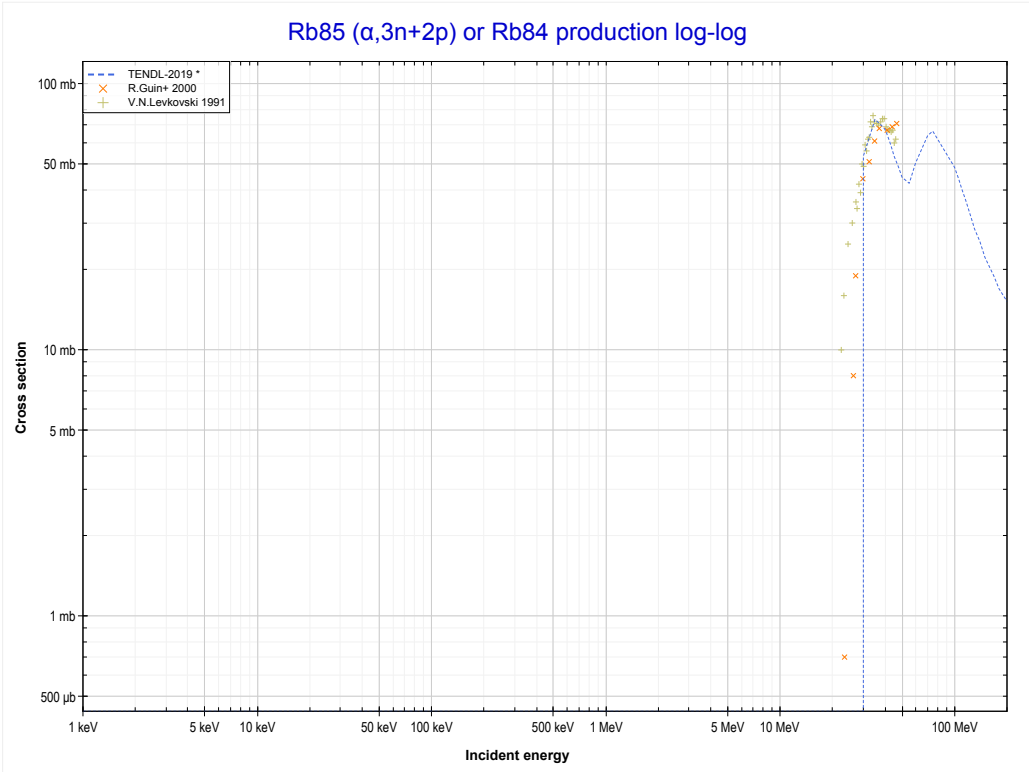
Reaction	Q-Value
Rb85($\alpha,n+\alpha$)Rb84	-10479.65 keV
Rb85($\alpha,d+t$)Rb84	-28068.95 keV
Rb85($\alpha,n+p+t$)Rb84	-30293.51 keV
Rb85($\alpha,2n+\text{He3}$)Rb84	-31057.27 keV
Rb85($\alpha,n+2d$)Rb84	-34326.18 keV
Rb85($\alpha,2n+p+d$)Rb84	-36550.74 keV
Rb85($\alpha,3n+2p$)Rb84	-38775.31 keV

<< 35-Br-79	37-Rb-85	39-Y-89 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Rb83 production)	MT179 ($\alpha,3n+2p$) >>



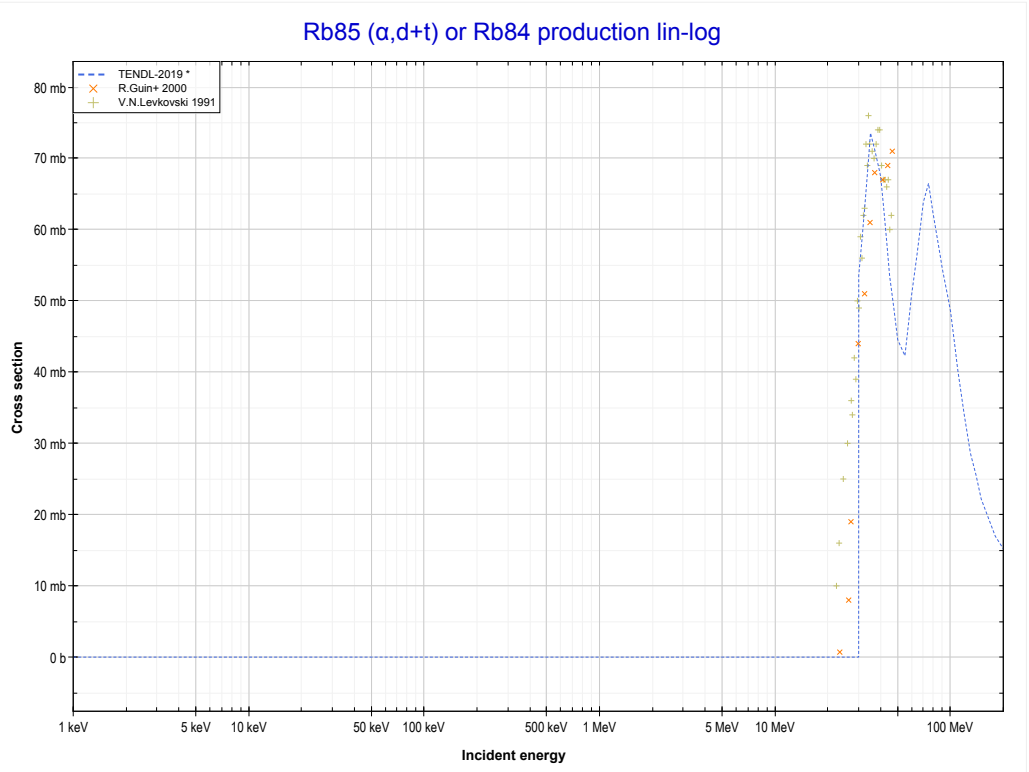
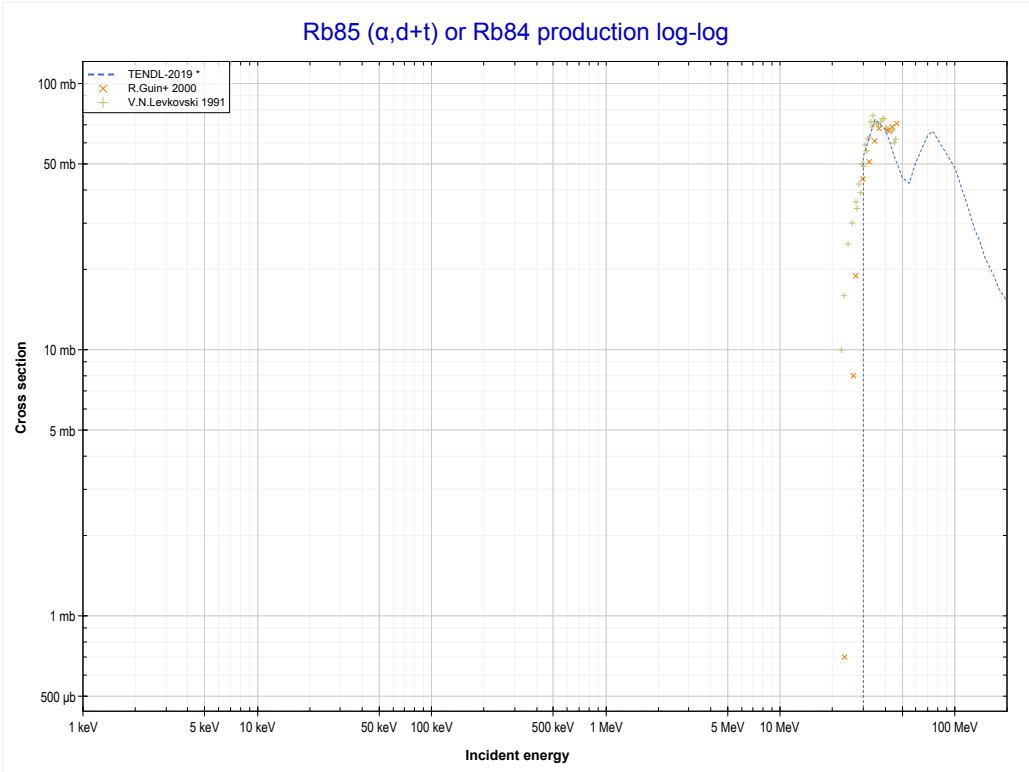
Reaction	Q-Value
Rb85($\alpha,2n+\alpha$)Rb83	-19239.37 keV
Rb85($\alpha,2t$)Rb83	-30571.44 keV
Rb85($\alpha,n+d+t$)Rb83	-36828.66 keV
Rb85($\alpha,2n+p+t$)Rb83	-39053.23 keV
Rb85($\alpha,3n+^3\text{He}$)Rb83	-39816.98 keV
Rb85($\alpha,2n+2d$)Rb83	-43085.89 keV
Rb85($\alpha,3n+p+d$)Rb83	-45310.46 keV
Rb85($\alpha,4n+2p$)Rb83	-47535.02 keV

<< 34-Se-76	37-Rb-85	39-Y-89 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Rb84 production)	MT182 ($\alpha,d+t$) >>



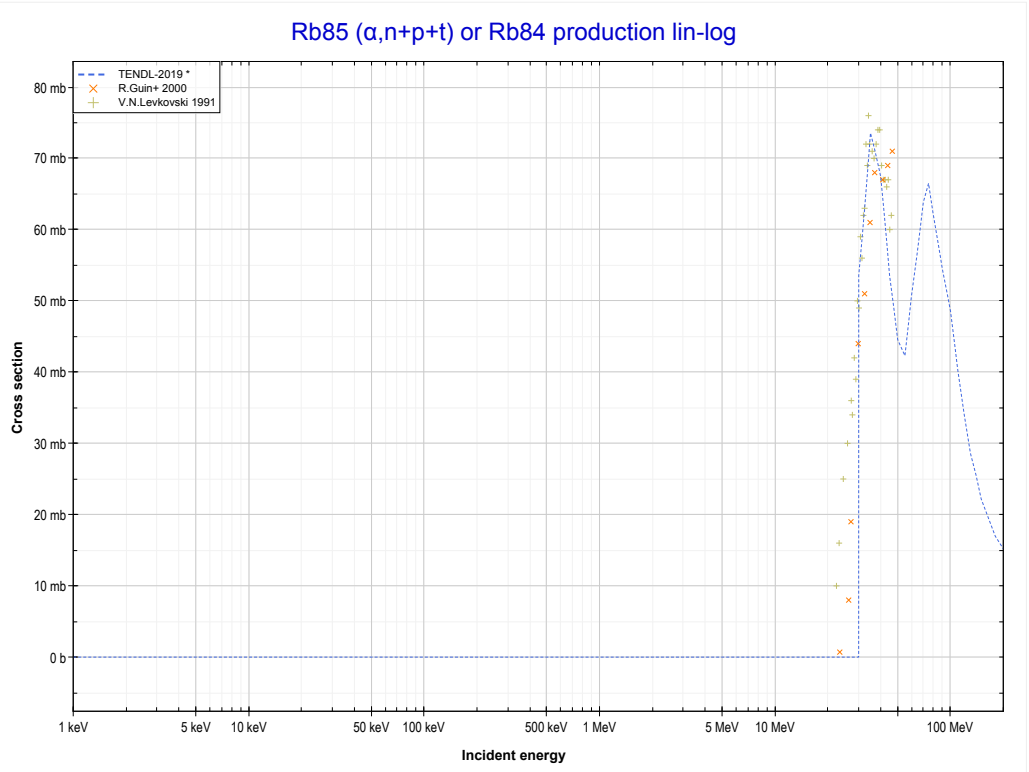
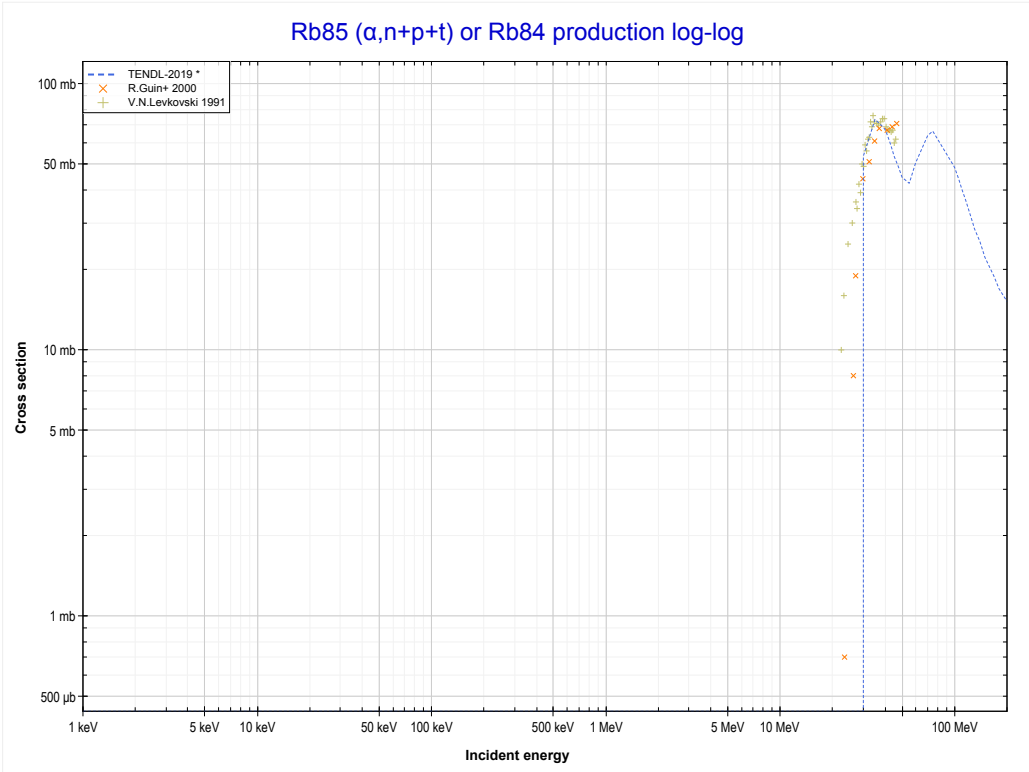
Reaction	Q-Value
Rb85($\alpha,n+\alpha$)Rb84	-10479.65 keV
Rb85($\alpha,d+t$)Rb84	-28068.95 keV
Rb85($\alpha,n+p+t$)Rb84	-30293.51 keV
Rb85($\alpha,2n+\text{He3}$)Rb84	-31057.27 keV
Rb85($\alpha,n+2d$)Rb84	-34326.18 keV
Rb85($\alpha,2n+p+d$)Rb84	-36550.74 keV
Rb85($\alpha,3n+2p$)Rb84	-38775.31 keV

<< 34-Se-76	37-Rb-85	39-Y-89 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Rb84 production)	MT184 ($\alpha,n+p+t$) >>



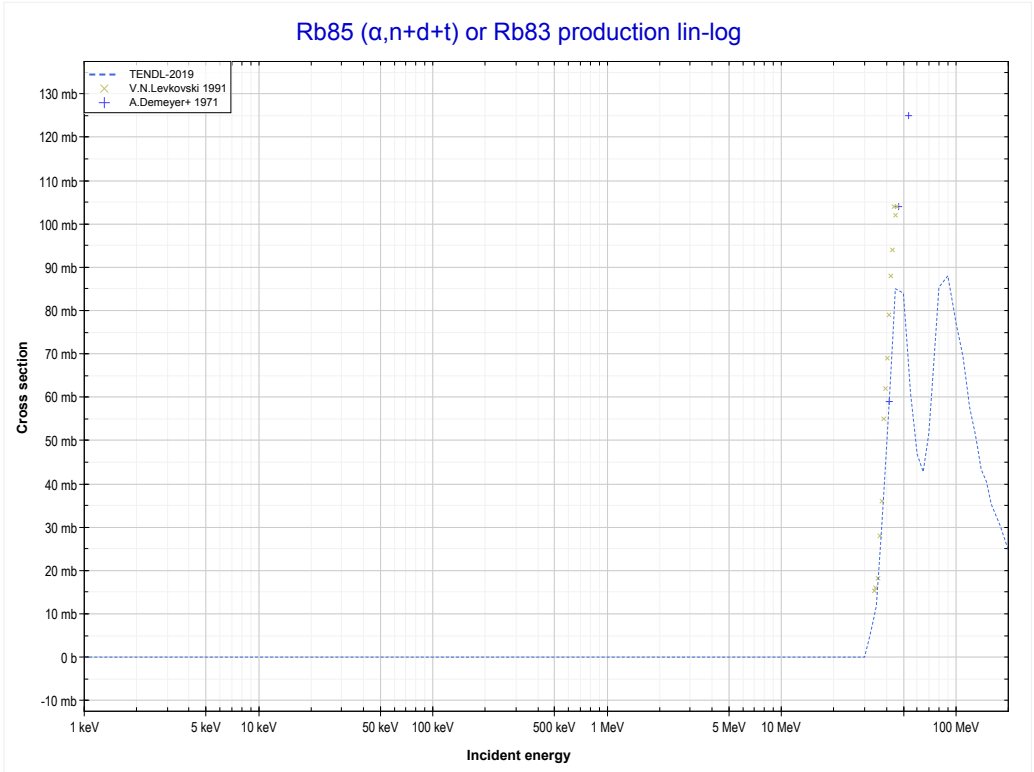
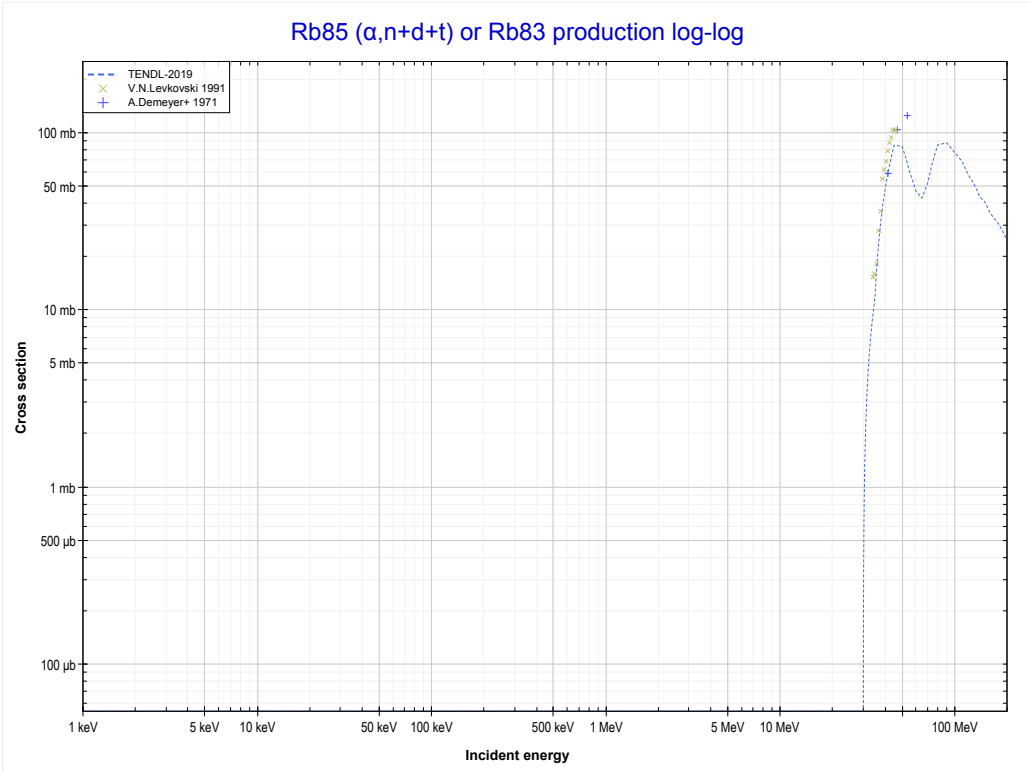
Reaction	Q-Value
Rb85($\alpha,n+\alpha$)Rb84	-10479.65 keV
Rb85($\alpha,d+t$)Rb84	-28068.95 keV
Rb85($\alpha,n+p+t$)Rb84	-30293.51 keV
Rb85($\alpha,2n+He3$)Rb84	-31057.27 keV
Rb85($\alpha,n+2d$)Rb84	-34326.18 keV
Rb85($\alpha,2n+p+d$)Rb84	-36550.74 keV
Rb85($\alpha,3n+2p$)Rb84	-38775.31 keV

<< 34-Se-76	37-Rb-85	39-Y-89 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Rb84 production)	MT185 (α,n+d+t) >>



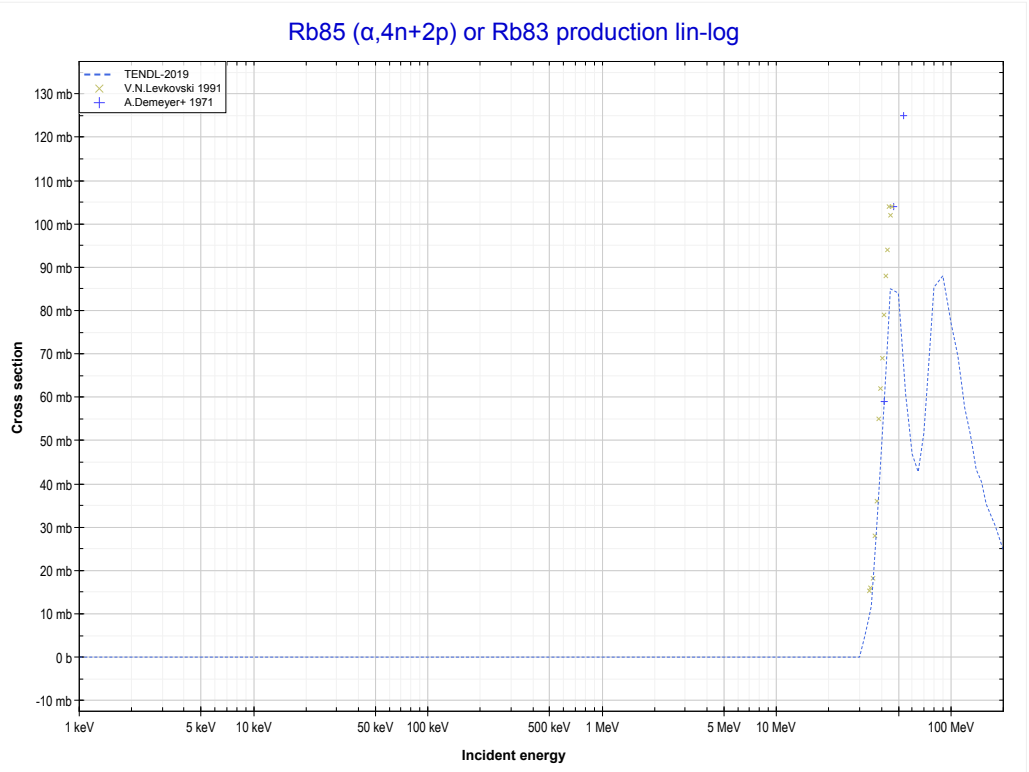
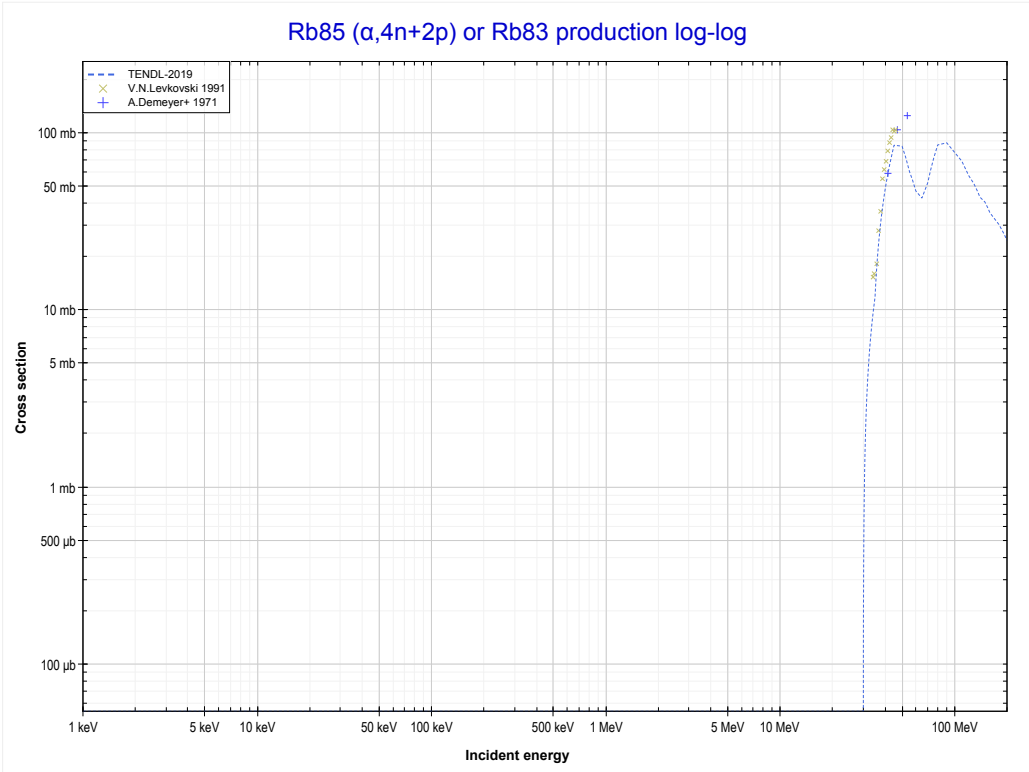
Reaction	Q-Value
Rb85(α,n+α)Rb84	-10479.65 keV
Rb85(α,d+t)Rb84	-28068.95 keV
Rb85(α,n+p+t)Rb84	-30293.51 keV
Rb85(α,2n+He3)Rb84	-31057.27 keV
Rb85(α,n+2d)Rb84	-34326.18 keV
Rb85(α,2n+p+d)Rb84	-36550.74 keV
Rb85(α,3n+2p)Rb84	-38775.31 keV

<< 35-Br-79	37-Rb-85	39-Y-89 >>
<< MT184 (α ,n+p+t)	MT185 (α ,n+d+t) or MT5 (Rb83 production)	MT194 (α ,4n+2p) >>



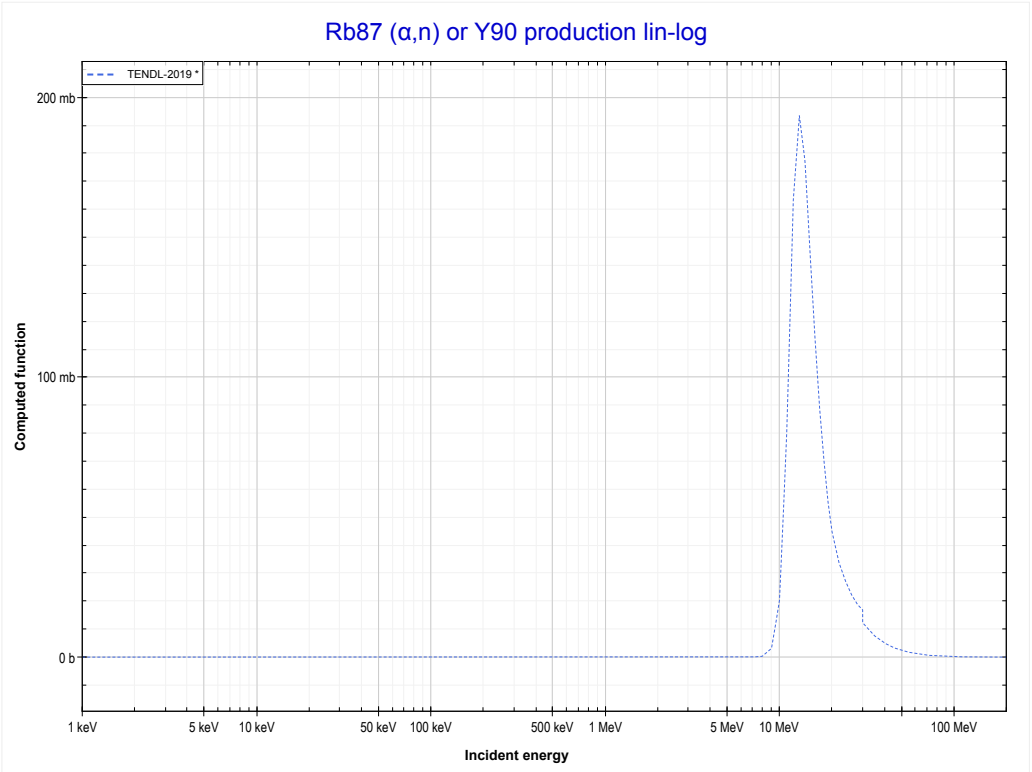
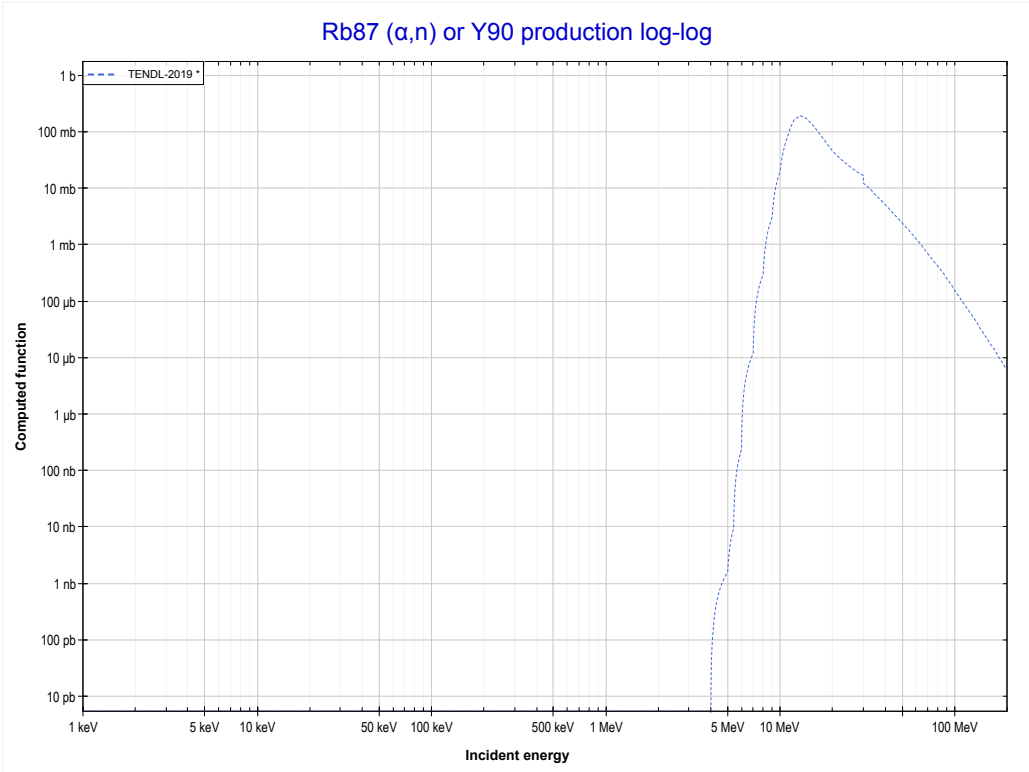
Reaction	Q-Value
Rb85(α ,2n+ α)Rb83	-19239.37 keV
Rb85(α ,2t)Rb83	-30571.44 keV
Rb85(α ,n+d+t)Rb83	-36828.66 keV
Rb85(α ,2n+p+t)Rb83	-39053.23 keV
Rb85(α ,3n+He3)Rb83	-39816.98 keV
Rb85(α ,2n+2d)Rb83	-43085.89 keV
Rb85(α ,3n+p+d)Rb83	-45310.46 keV
Rb85(α ,4n+2p)Rb83	-47535.02 keV

<< 35-Br-79	37-Rb-85	39-Y-89 >>
<< MT185 (α,n+d+t)	MT194 (α,4n+2p) or MT5 (Rb83 production)	37-Rb-87 MT4 (α,n) >>



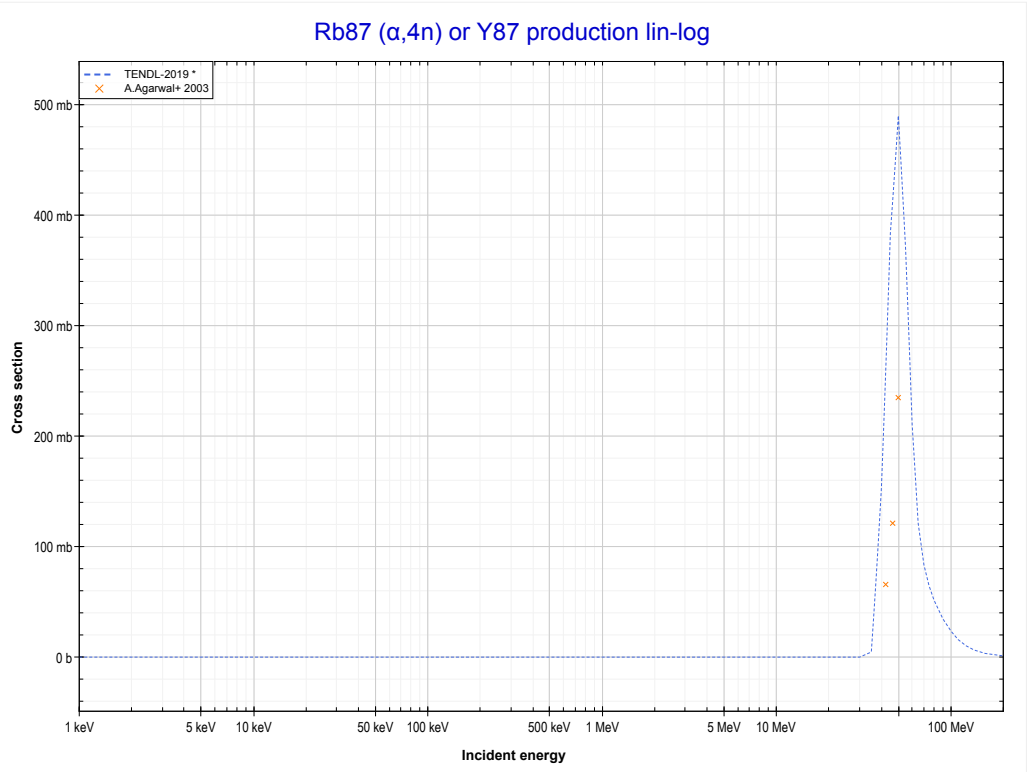
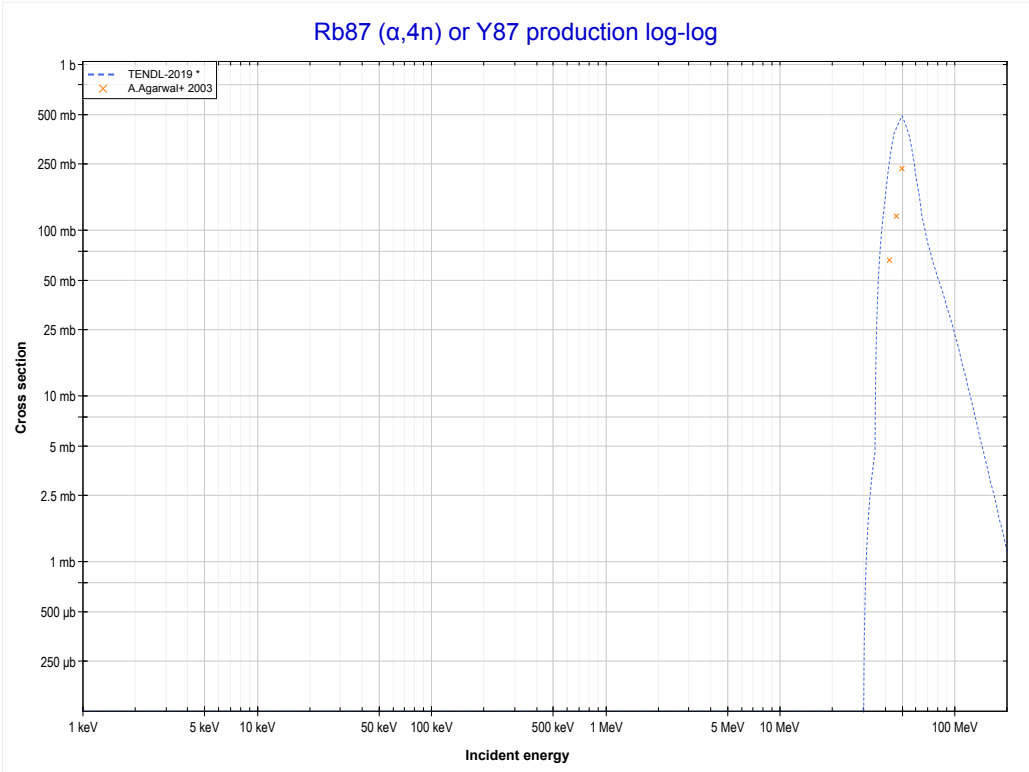
Reaction	Q-Value
Rb85(α,2n+α)Rb83	-19239.37 keV
Rb85(α,2t)Rb83	-30571.44 keV
Rb85(α,n+d+t)Rb83	-36828.66 keV
Rb85(α,2n+p+t)Rb83	-39053.23 keV
Rb85(α,3n+He3)Rb83	-39816.98 keV
Rb85(α,2n+2d)Rb83	-43085.89 keV
Rb85(α,3n+p+d)Rb83	-45310.46 keV
Rb85(α,4n+2p)Rb83	-47535.02 keV

<< 37-Rb-85	37-Rb-87	38-Sr-86 >>
<< 37-Rb-85 MT194 ($\alpha,4n+2p$)	MT4 (α,n) or MT5 (Y90 production)	MT37 ($\alpha,4n$) >>



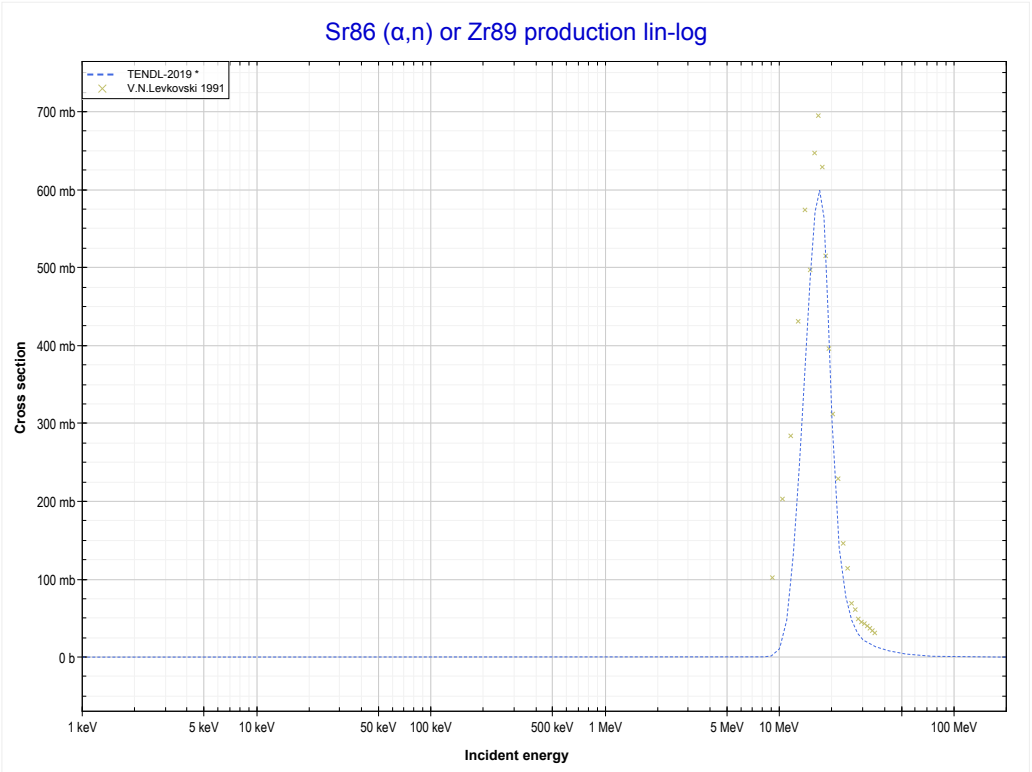
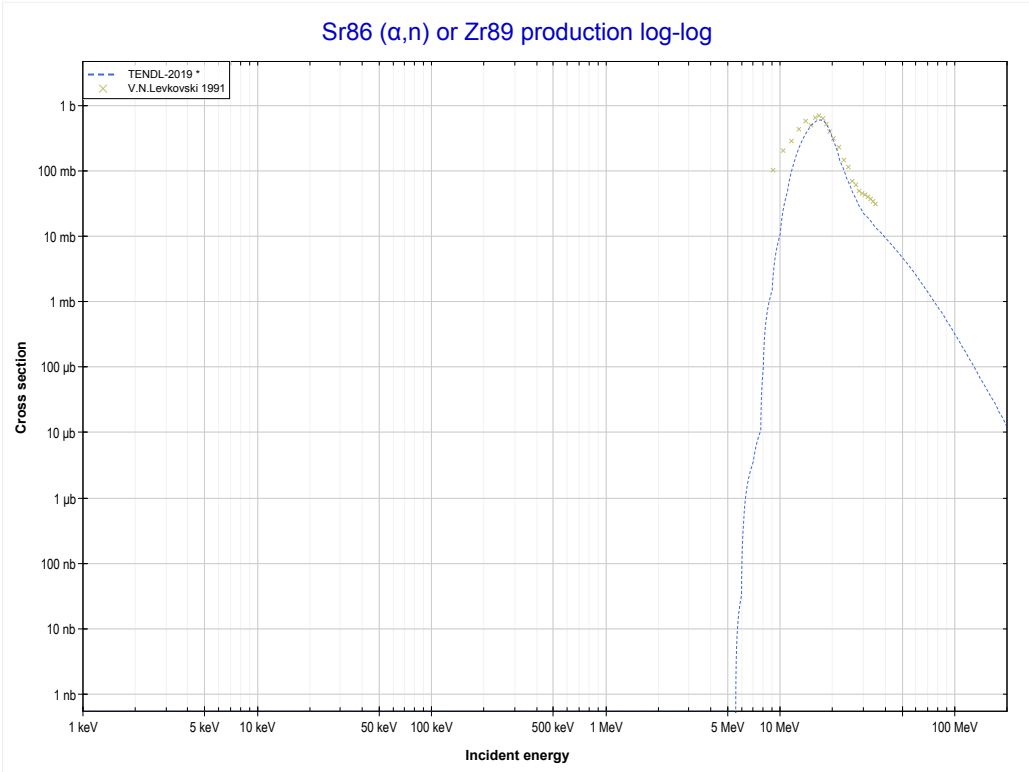
Reaction	Q-Value
Rb87(α,n)Y90	-3750.09 keV

<< 37-Rb-85	37-Rb-87	39-Y-89 >>
<< MT4 (α,n)	MT37 (α,4n) or MT5 (Y87 production)	38-Sr-86 MT4 (α,n) >>



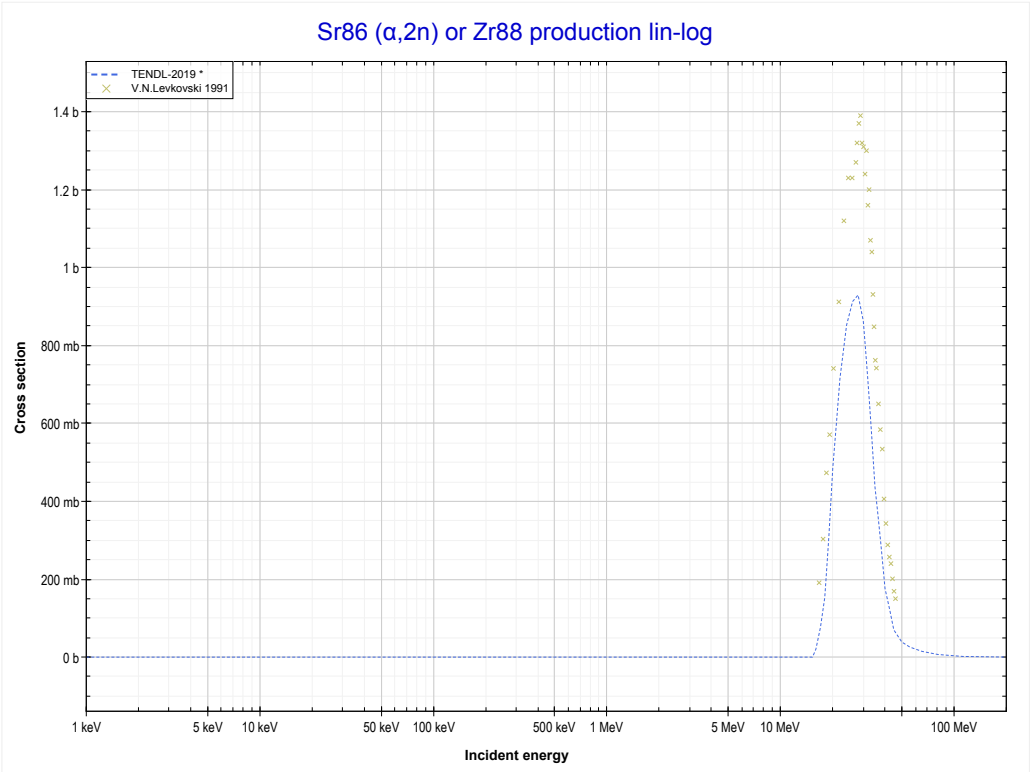
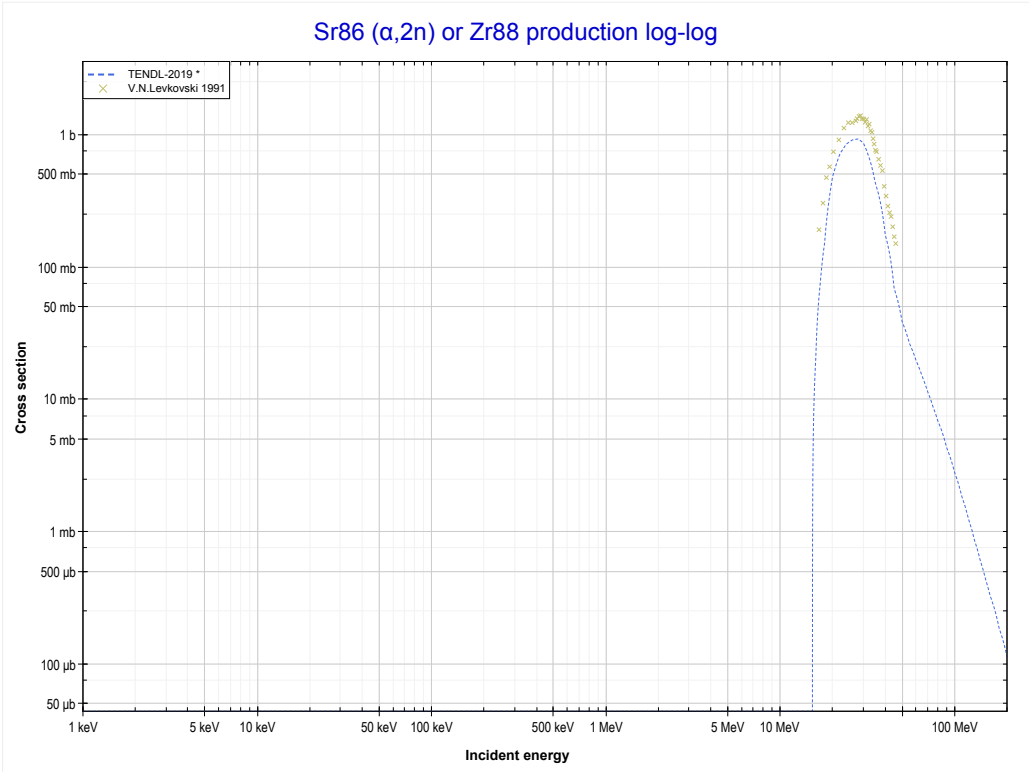
Reaction	Q-Value
Rb87(α,4n)Y87	-31439.74 keV

<< 37-Rb-87	38-Sr-86	39-Y-89 >>
<< 37-Rb-87 MT37 ($\alpha,4n$)	MT4 (α,n) or MT5 (Zr89 production)	MT16 ($\alpha,2n$) >>



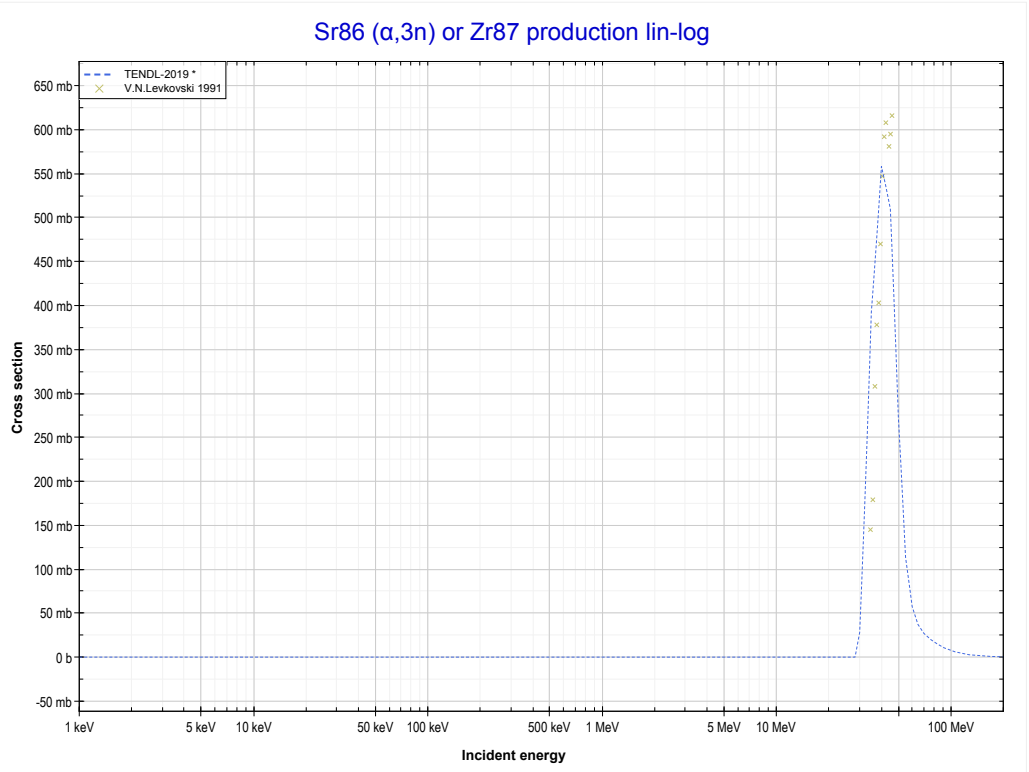
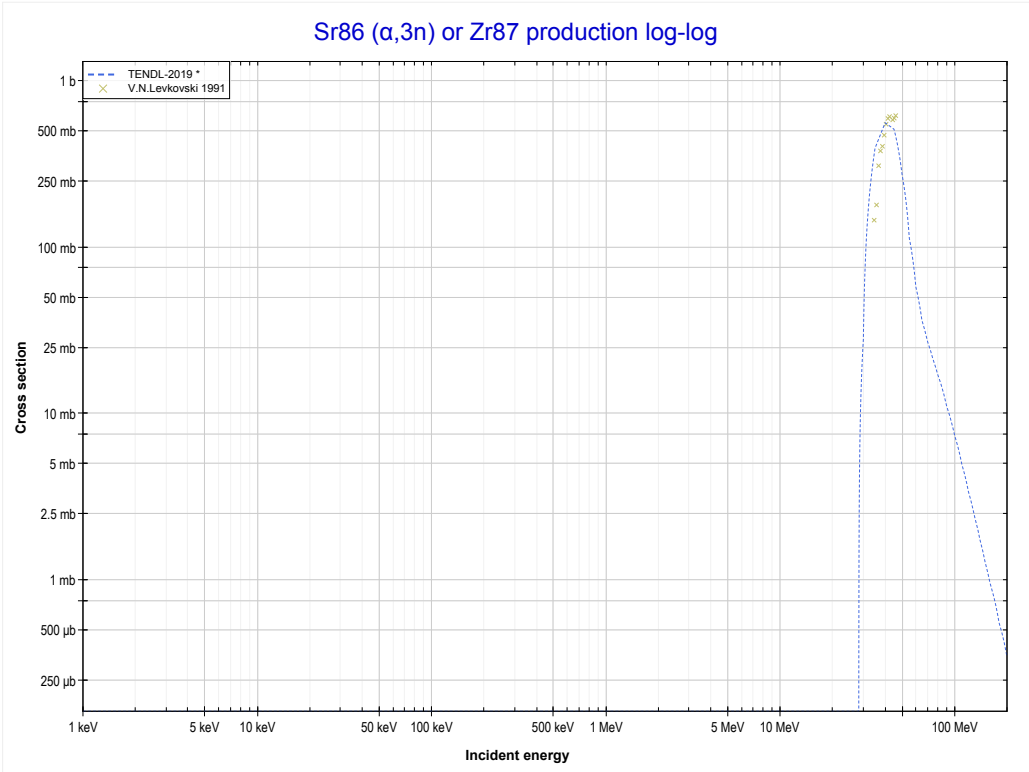
Reaction	Q-Value
Sr86(α,n)Zr89	-5293.49 keV

<< 37-Rb-85	38-Sr-86	38-Sr-87 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Zr88 production)	MT17 (α,3n) >>



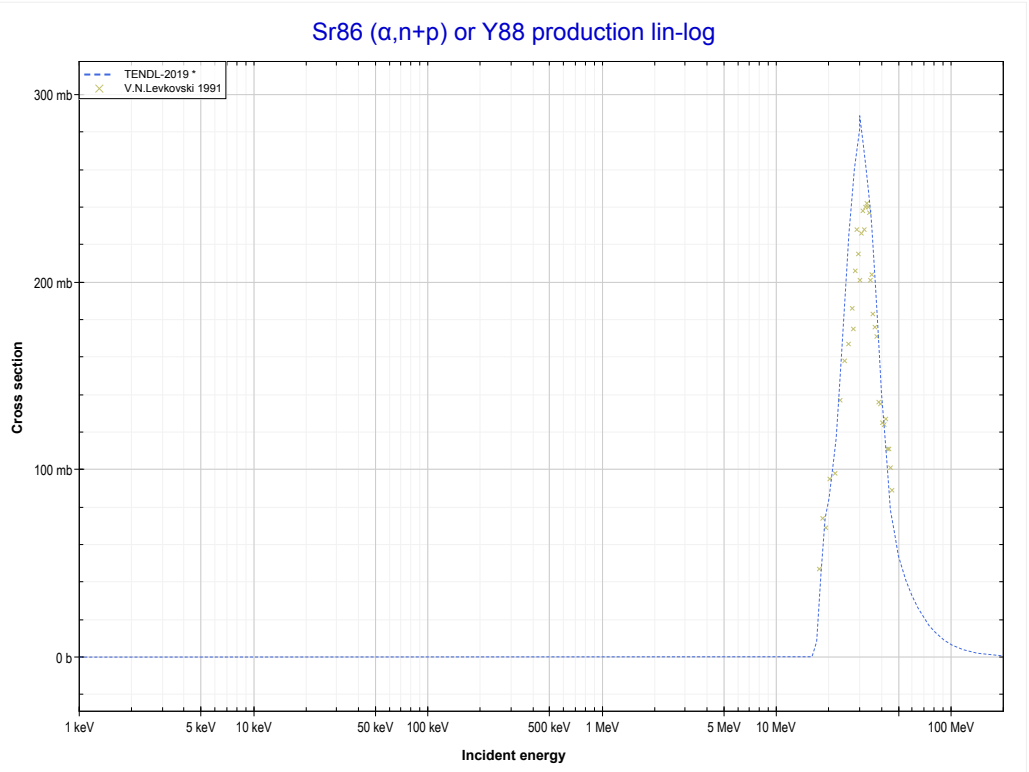
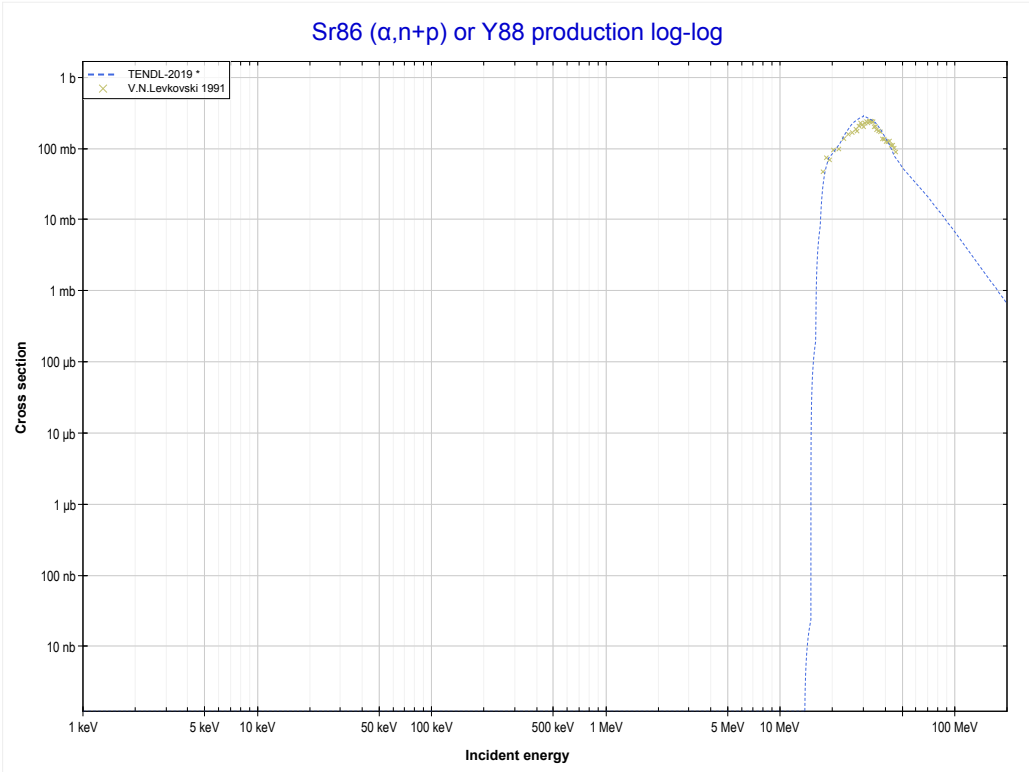
Reaction	Q-Value
Sr86(α,2n)Zr88	-14611.81 keV

<< 37-Rb-85	38-Sr-86	38-Sr-87 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Zr87 production)	MT28 (α,n+p) >>



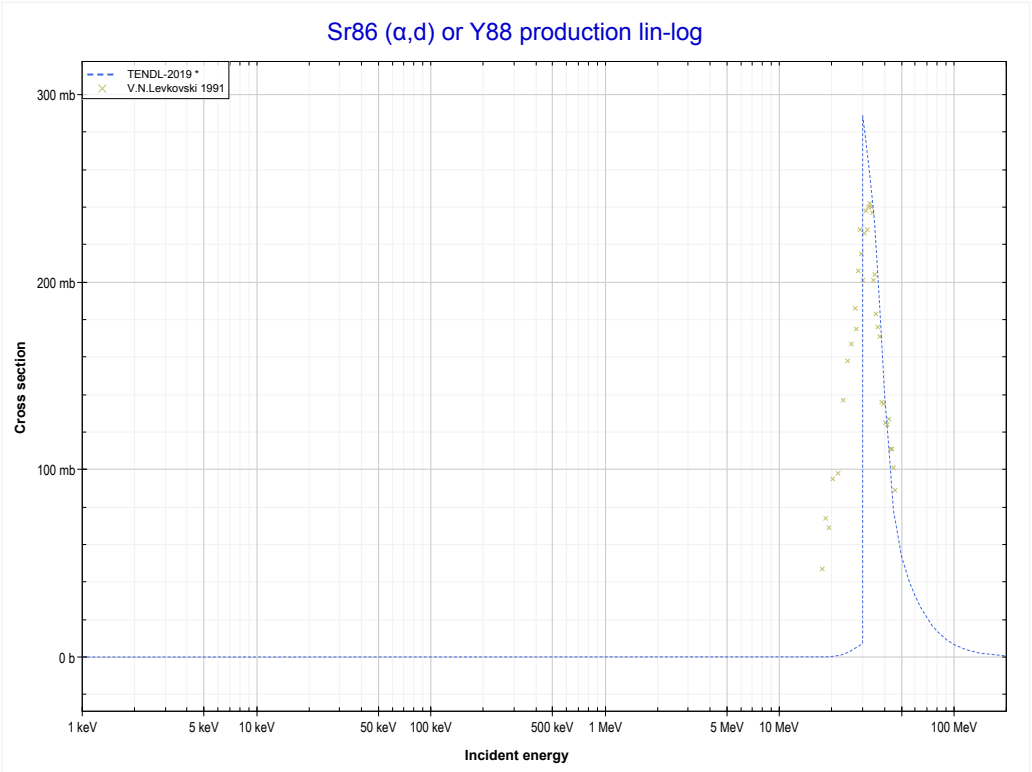
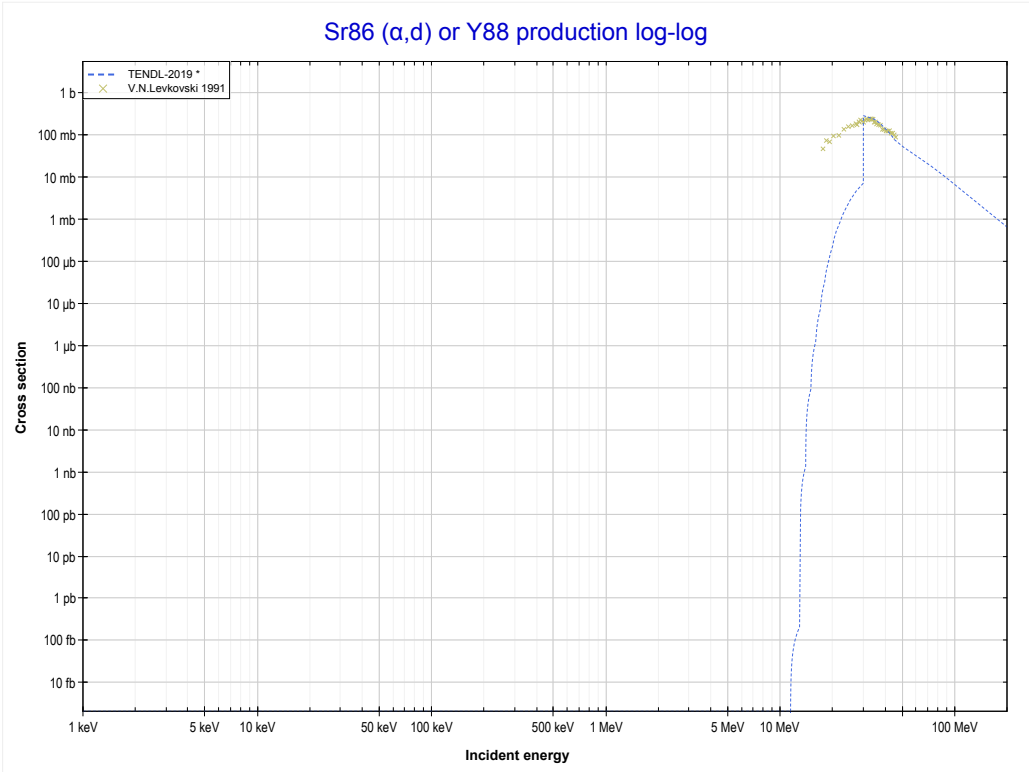
Reaction	Q-Value
Sr86(α,3n)Zr87	-26965.12 keV

<< 34-Se-82	38-Sr-86	40-Zr-90 >>
<< MT17 (α,3n)	MT28 (α,n+p) or MT5 (Y88 production)	MT104 (α,d) >>



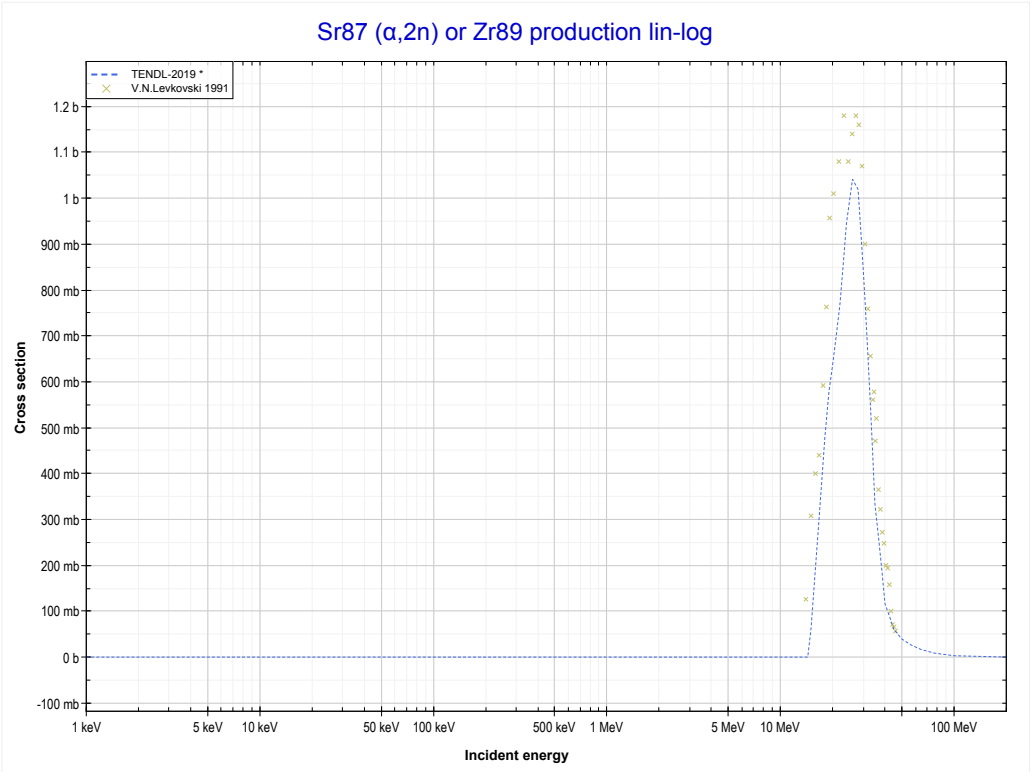
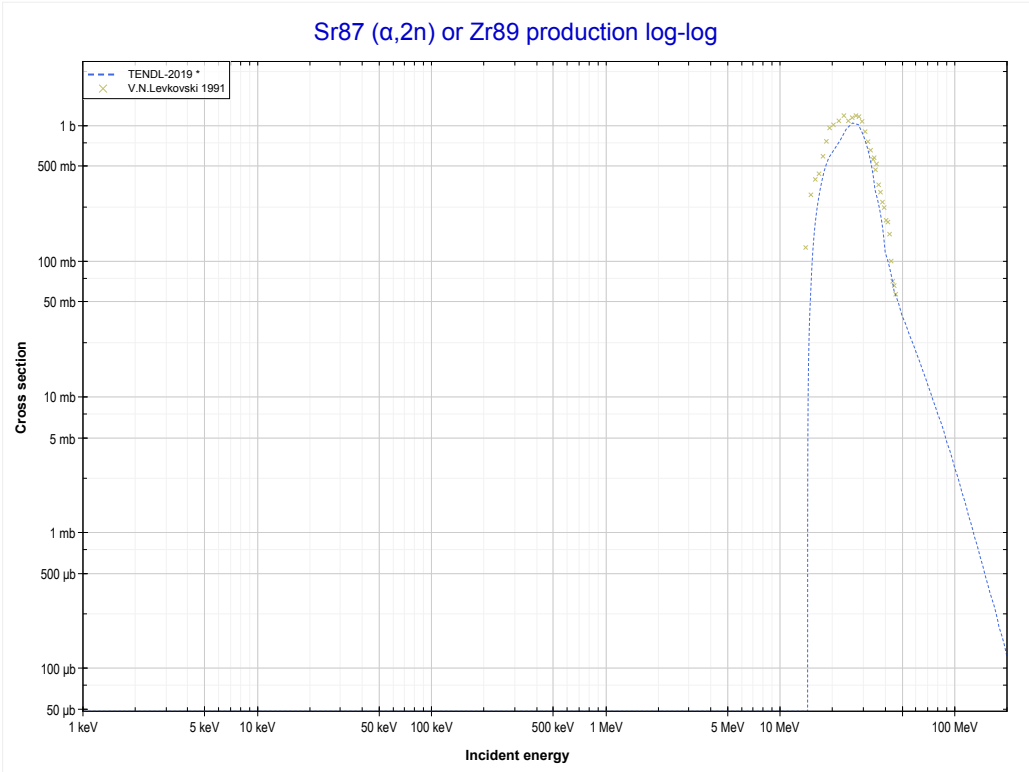
Reaction	Q-Value
Sr86(α,d)Y88	-10934.90 keV
Sr86(α,n+p)Y88	-13159.46 keV

<< 34-Se-82	38-Sr-86	40-Zr-94 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (Y88 production)	38-Sr-87 MT16 (α,2n) >>



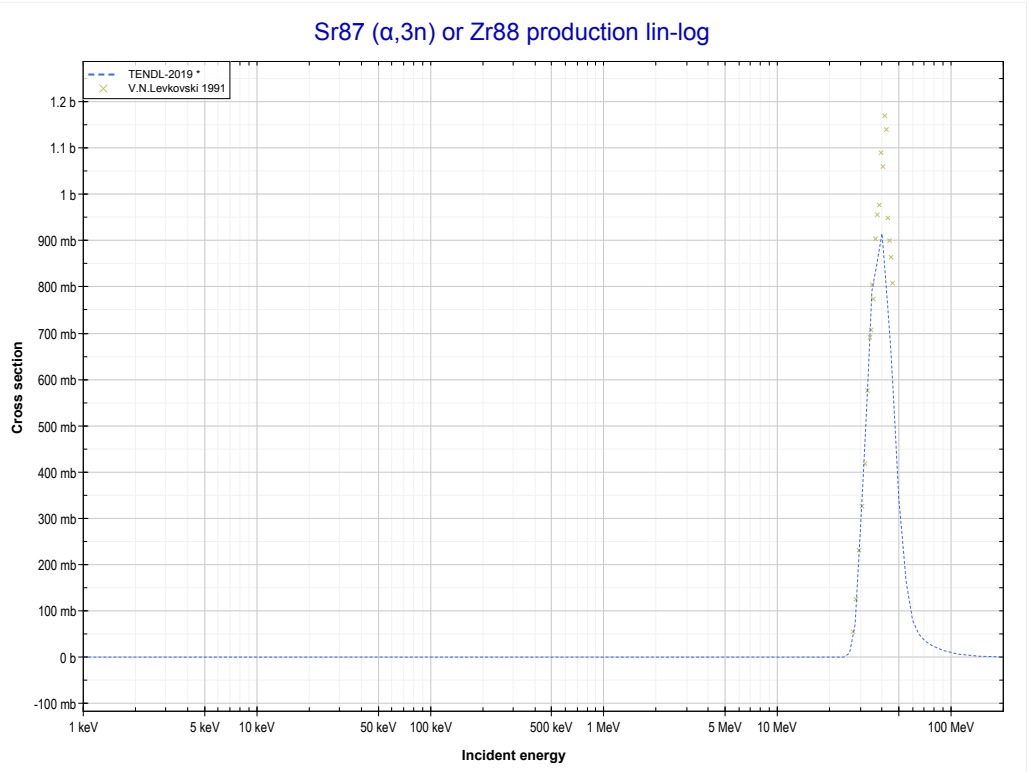
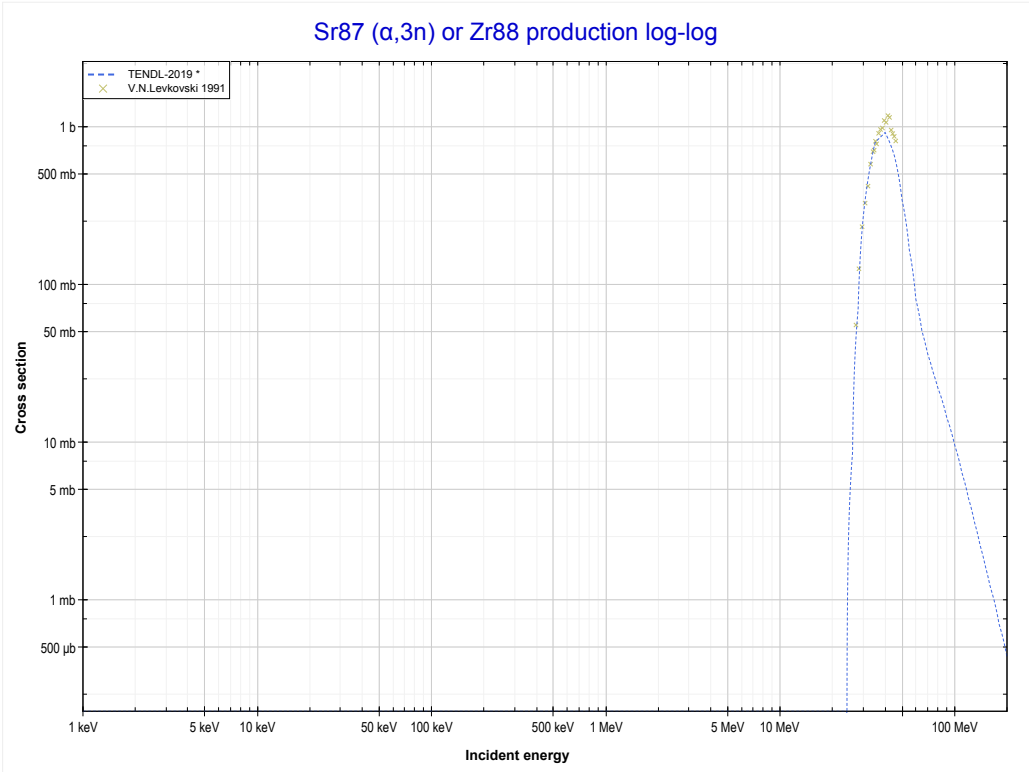
Reaction	Q-Value
Sr86(α,d)Y88	-10934.90 keV
Sr86(α,n+p)Y88	-13159.46 keV

<< 38-Sr-86	38-Sr-87	41-Nb-93 >>
<< 38-Sr-86 MT104 (α,d)	MT16 (α,2n) or MT5 (Zr89 production)	MT17 (α,3n) >>



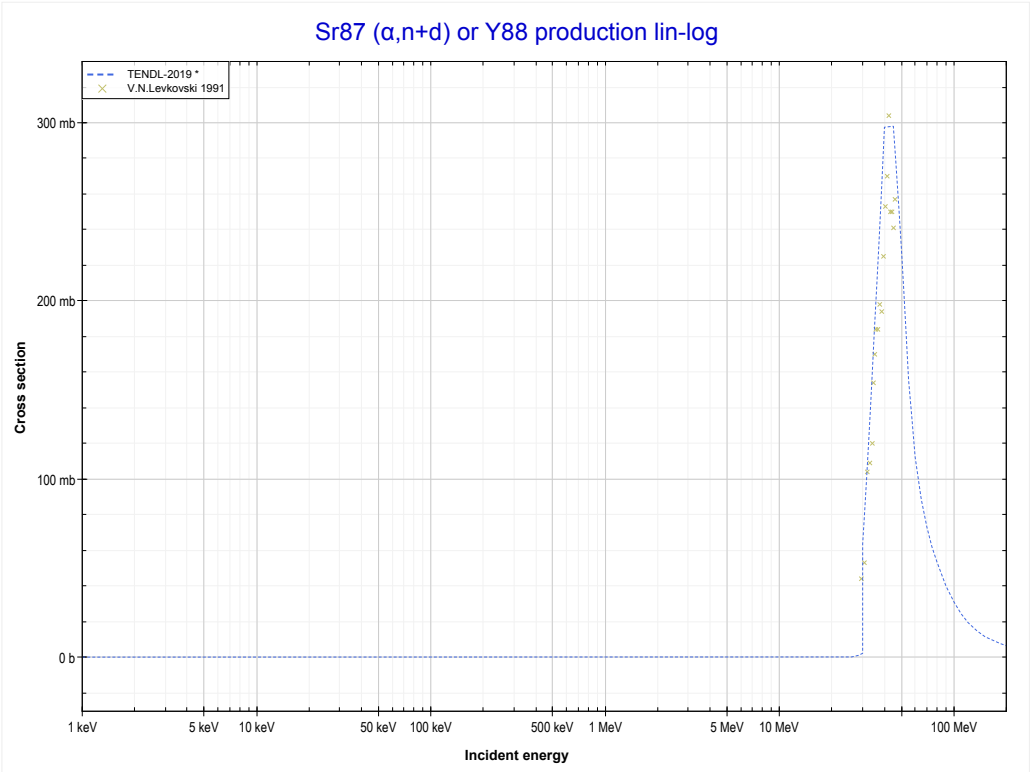
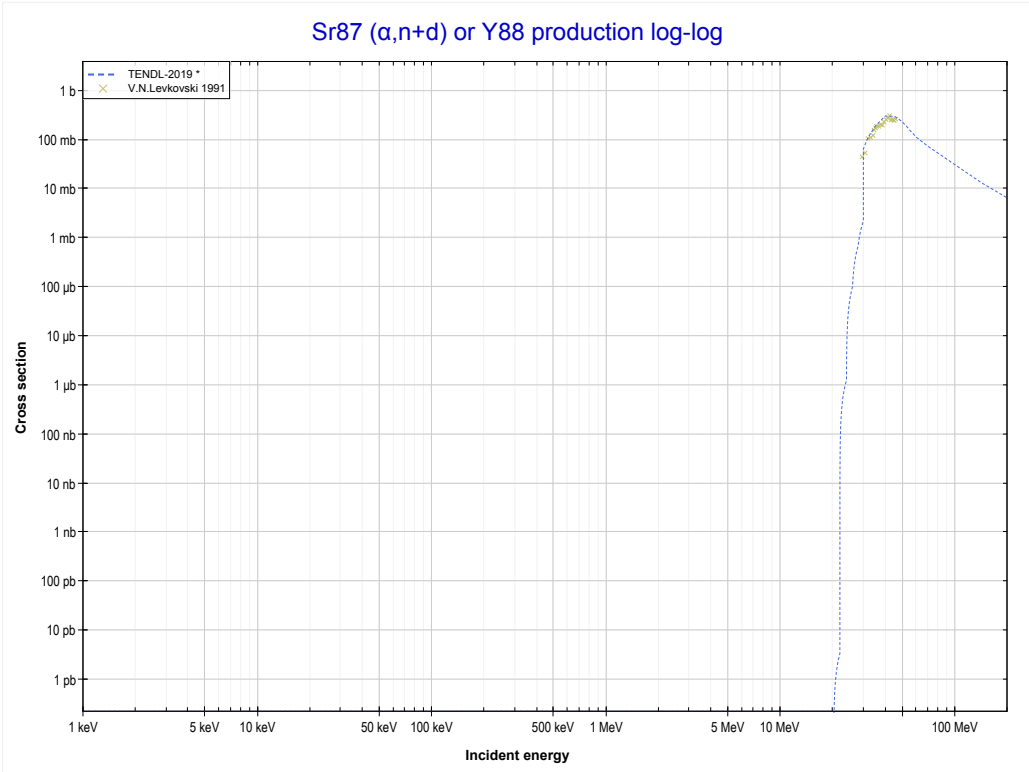
Reaction	Q-Value
Sr87(α,2n)Zr89	-13721.78 keV

<< 38-Sr-86	38-Sr-87	38-Sr-88 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Zr88 production)	MT32 (α,n+d) >>



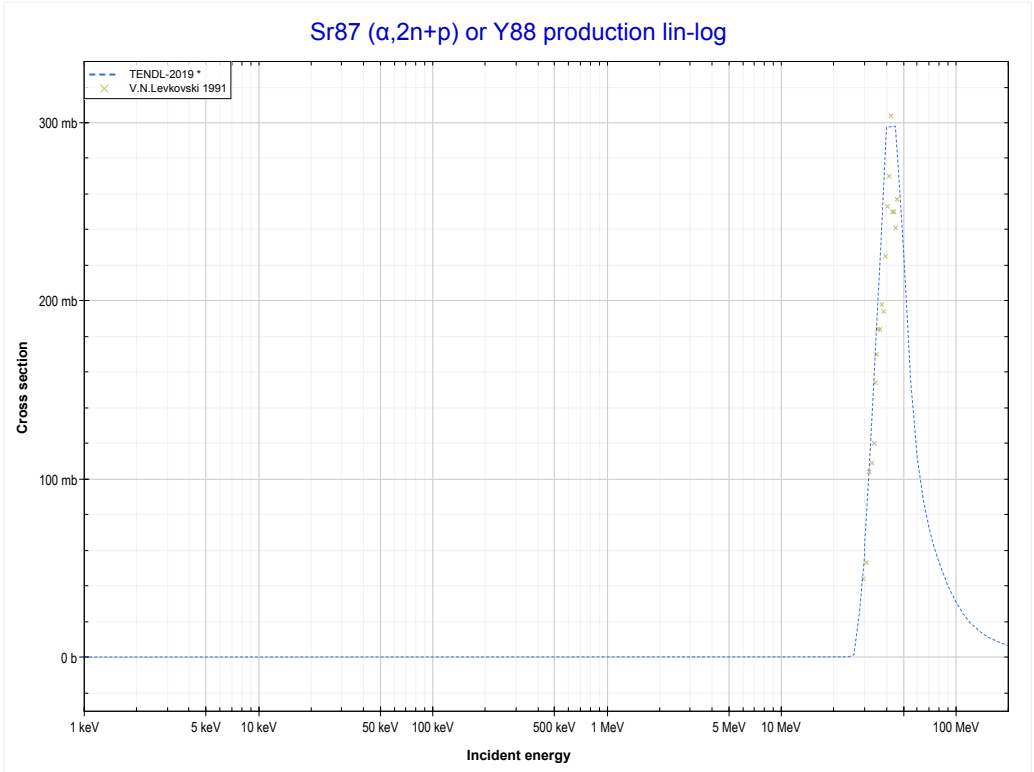
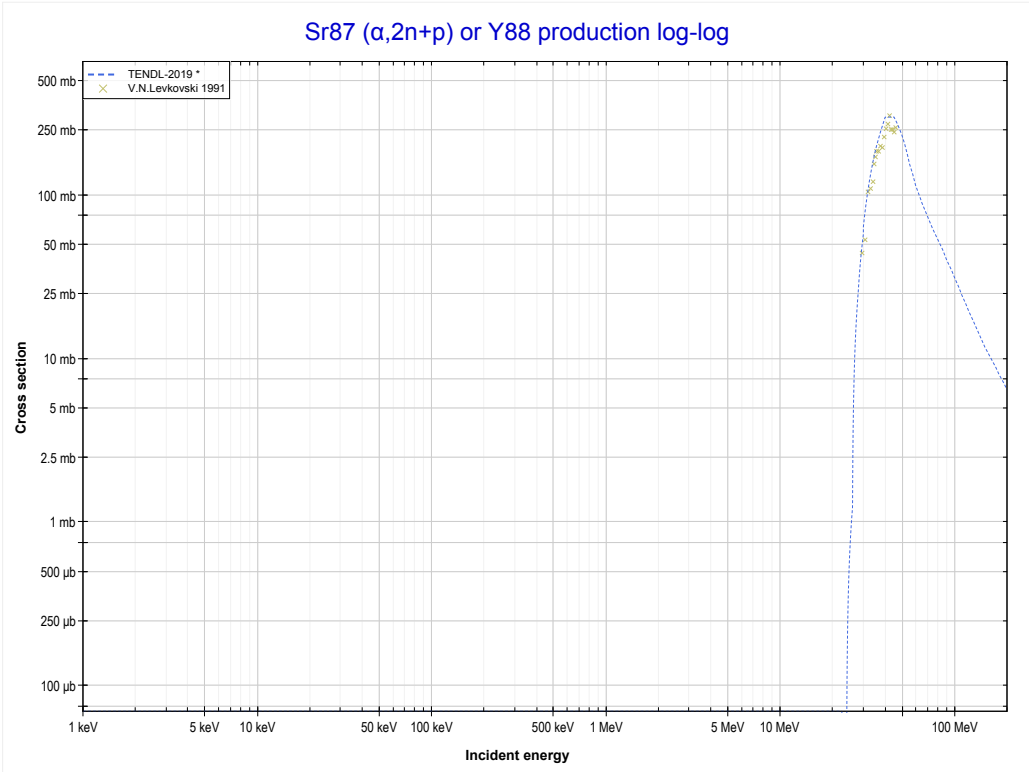
Reaction	Q-Value
Sr87(α,3n)Zr88	-23040.10 keV

<< 34-Se-76	38-Sr-87	40-Zr-94 >>
<< MT17 (α,3n)	MT32 (α,n+d) or MT5 (Y88 production)	MT41 (α,2n+p) >>



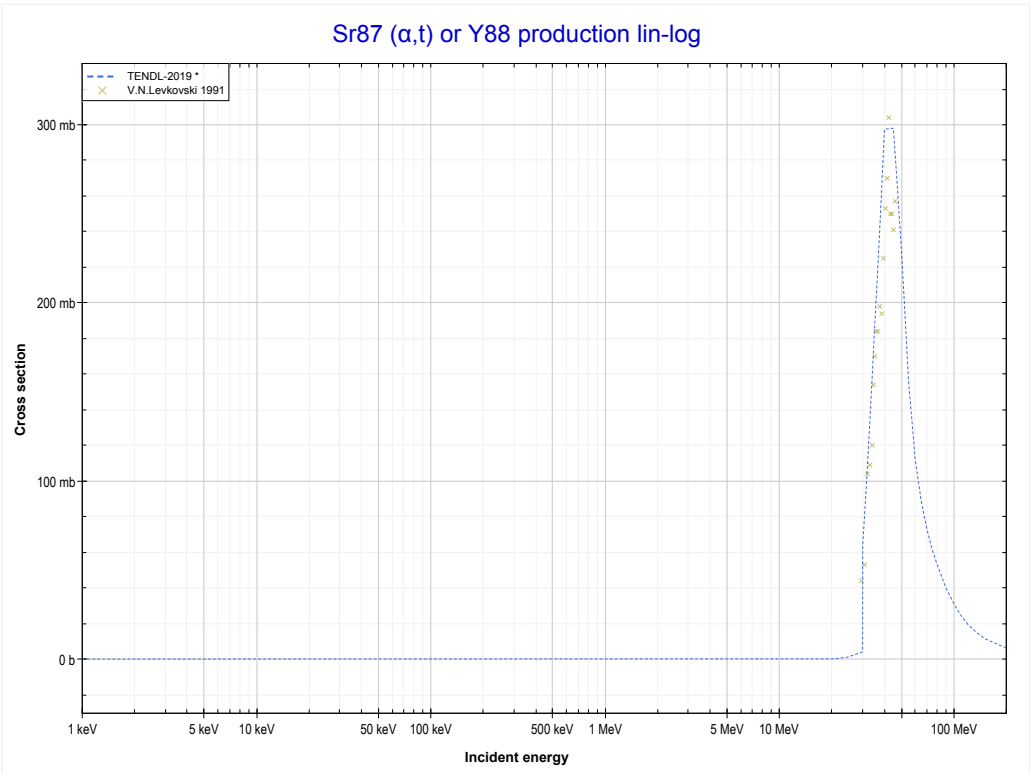
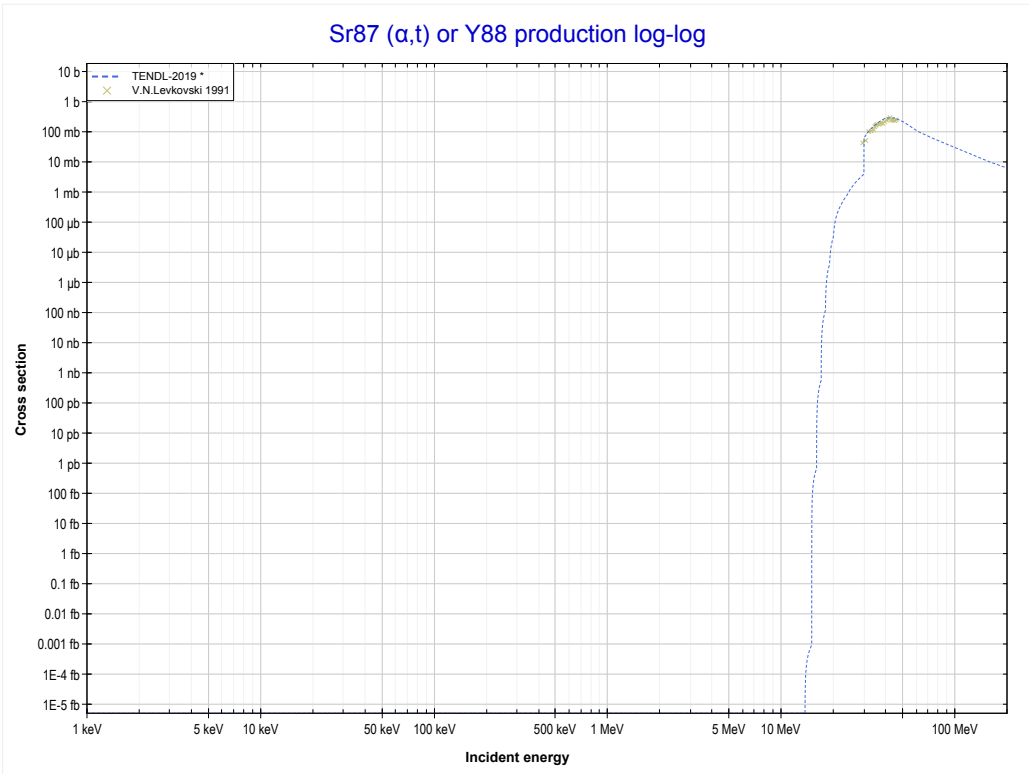
Reaction	Q-Value
Sr87(α,t)Y88	-13105.96 keV
Sr87(α,n+d)Y88	-19363.19 keV
Sr87(α,2n+p)Y88	-21587.76 keV

<< 34-Se-76	38-Sr-87	40-Zr-94 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Y88 production)	MT105 (α,t) >>



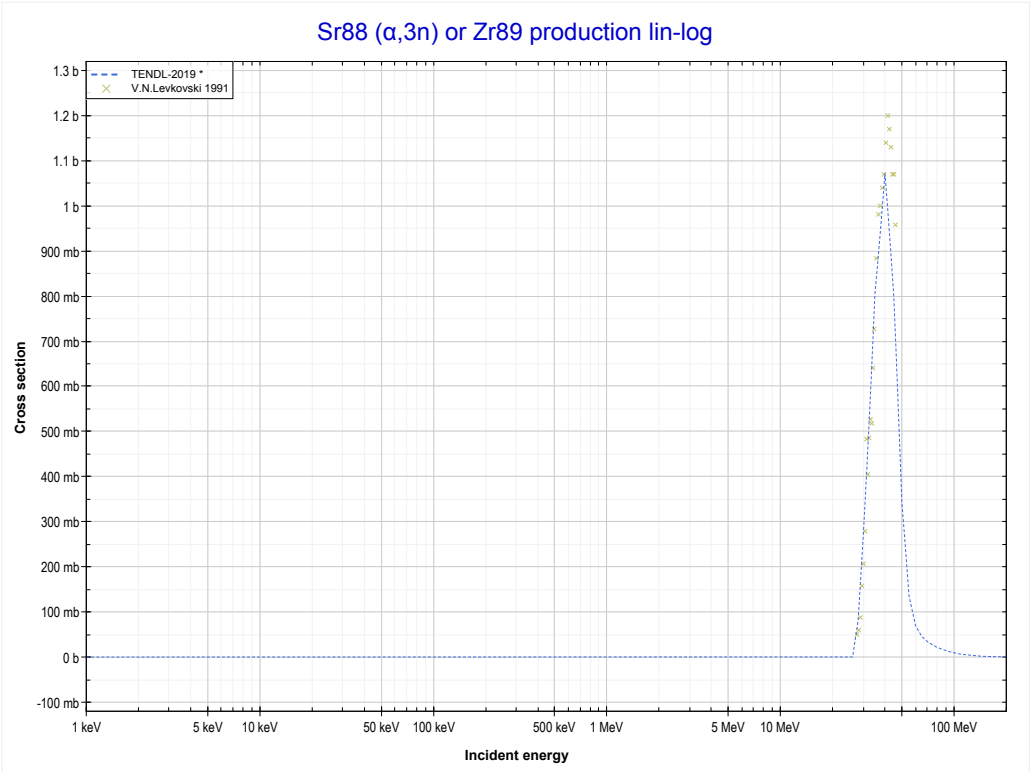
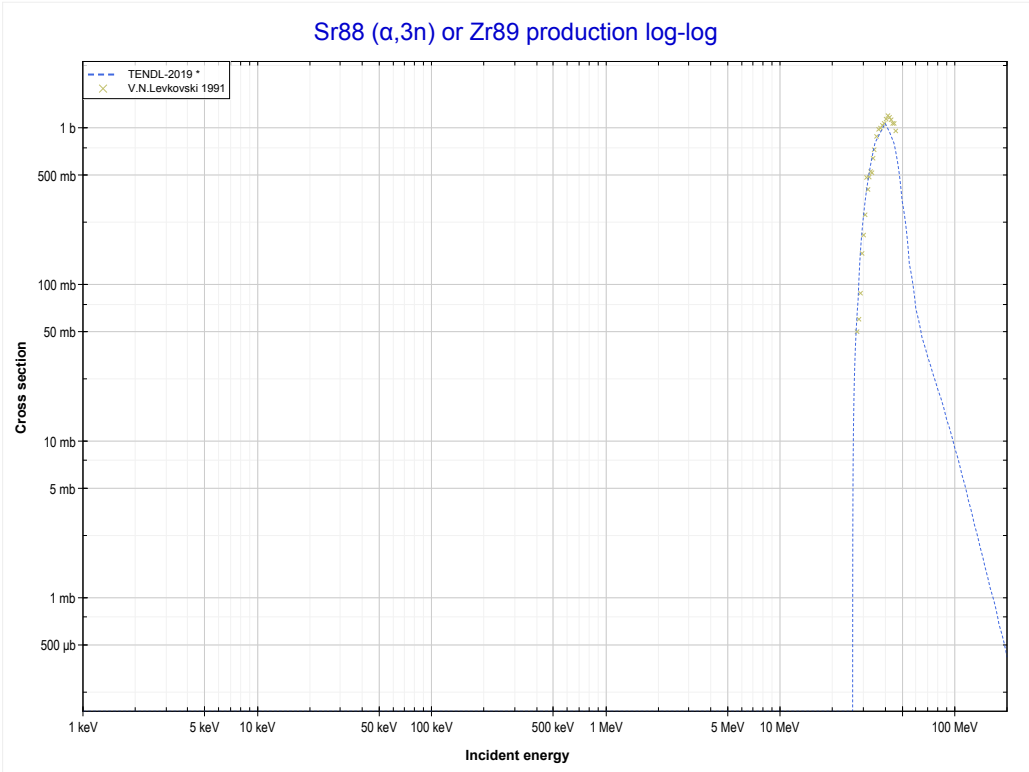
Reaction	Q-Value
Sr87(α,t)Y88	-13105.96 keV
Sr87(α,n+d)Y88	-19363.19 keV
Sr87(α,2n+p)Y88	-21587.76 keV

<< 34-Se-76	38-Sr-87	40-Zr-94 >>
<< MT41 ($\alpha,2n+p$)	MT105 (α,t) or MT5 (Y88 production)	38-Sr-88 MT17 ($\alpha,3n$) >>



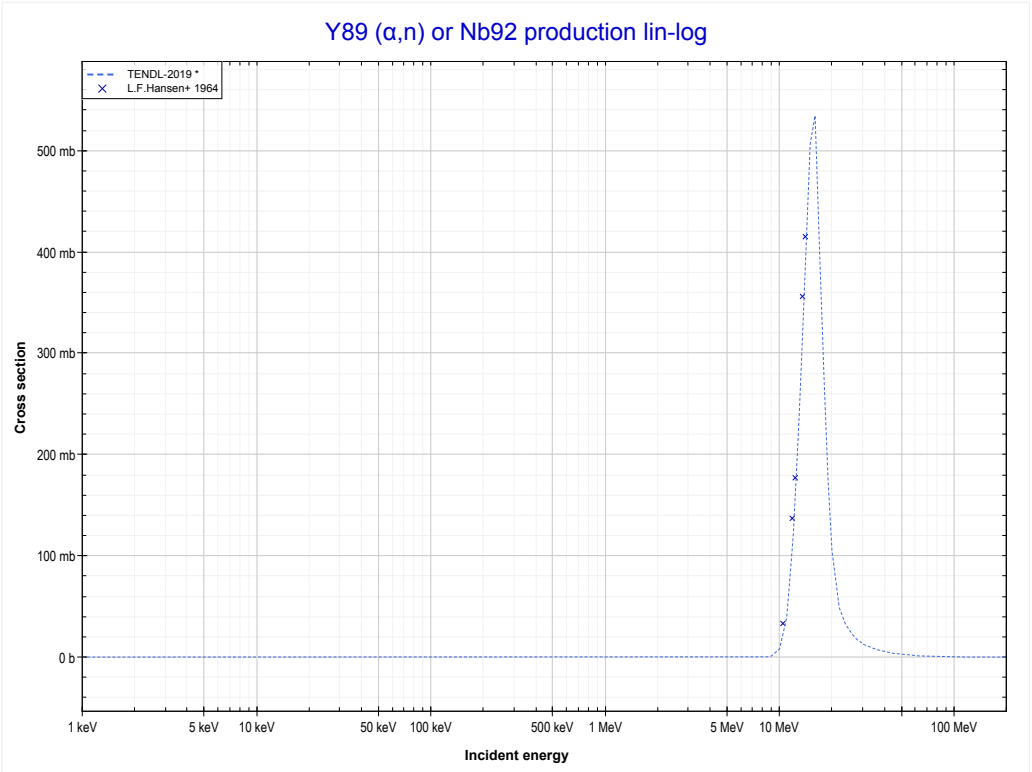
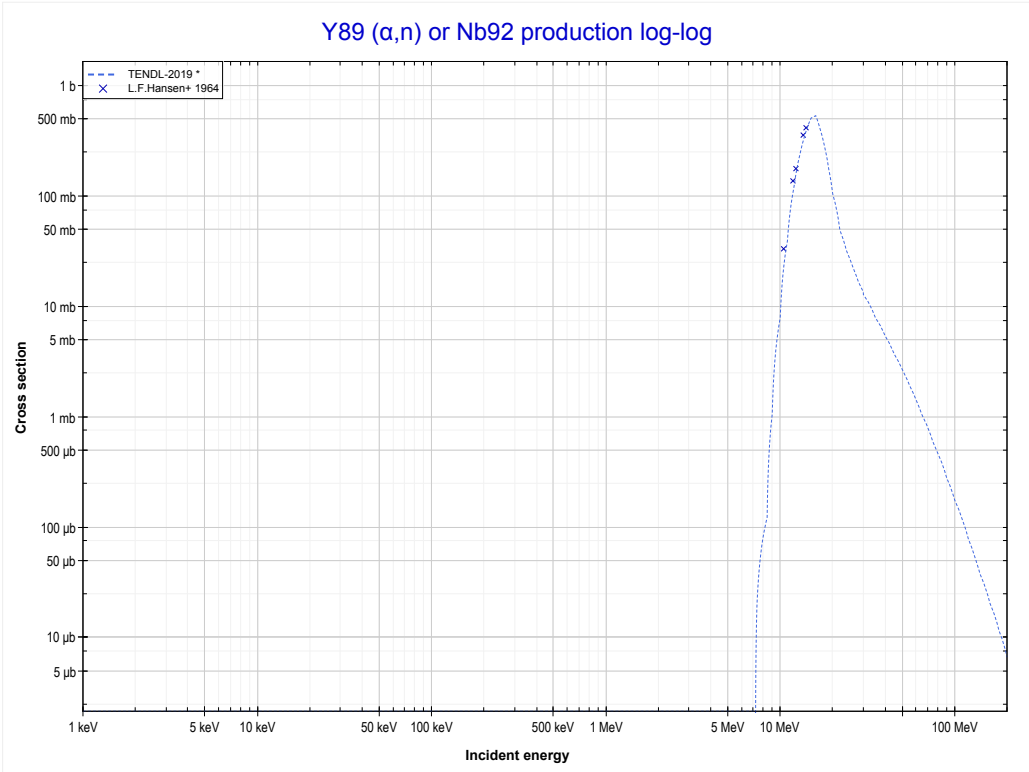
Reaction	Q-Value
Sr87(α,t)Y88	-13105.96 keV
Sr87($\alpha,n+d$)Y88	-19363.19 keV
Sr87($\alpha,2n+p$)Y88	-21587.76 keV

<< 38-Sr-87	38-Sr-88	39-Y-89 >>
<< 38-Sr-87 MT105 (α,t)	MT17 (α,3n) or MT5 (Zr89 production)	39-Y-89 MT4 (α,n) >>



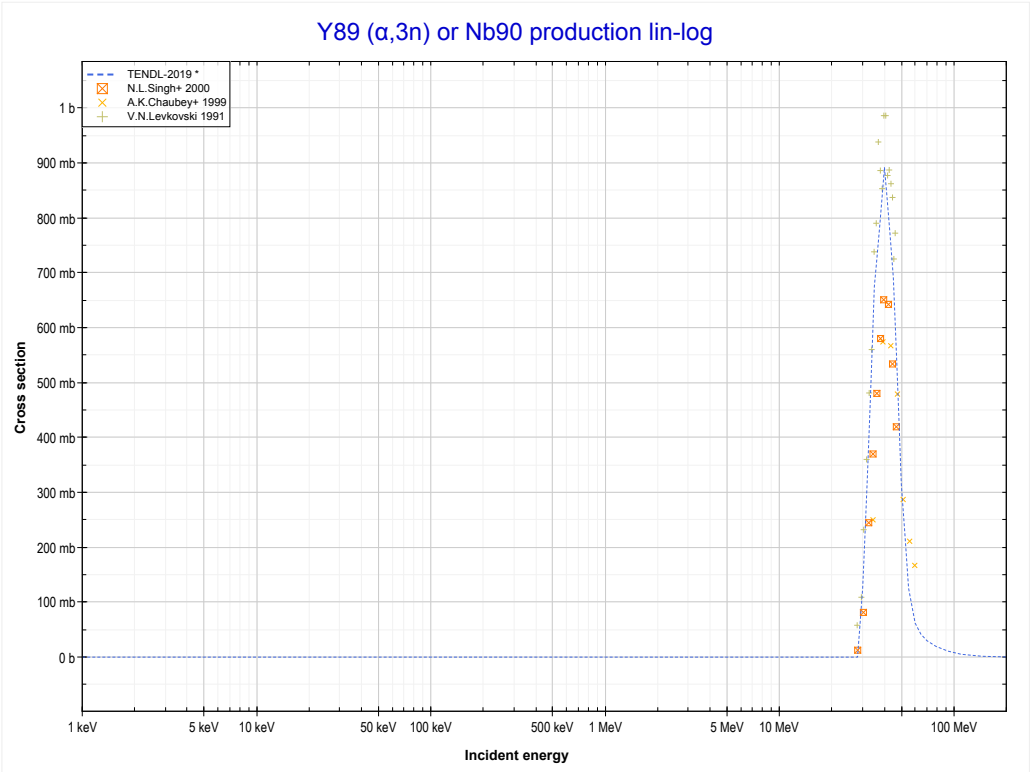
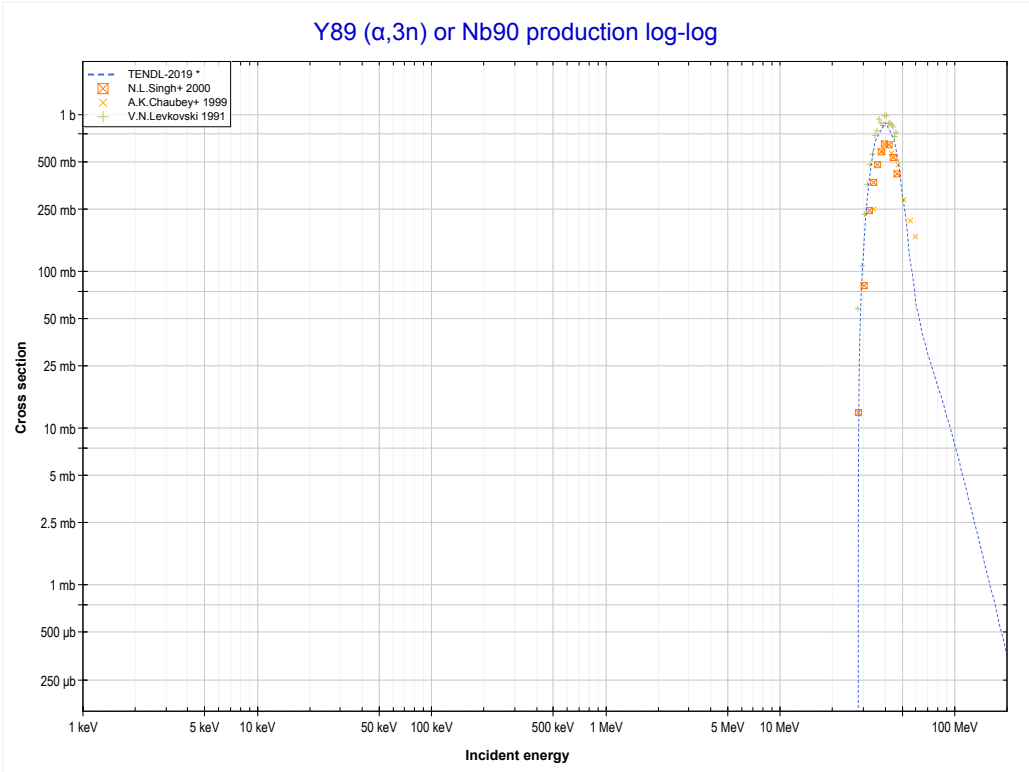
Reaction	Q-Value
Sr88(α,3n)Zr89	-24834.65 keV

<< 38-Sr-86	39-Y-89	40-Zr-96 >>
<< 38-Sr-88 MT17 (α,3n)	MT4 (α,n) or MT5 (Nb92 production)	MT17 (α,3n) >>



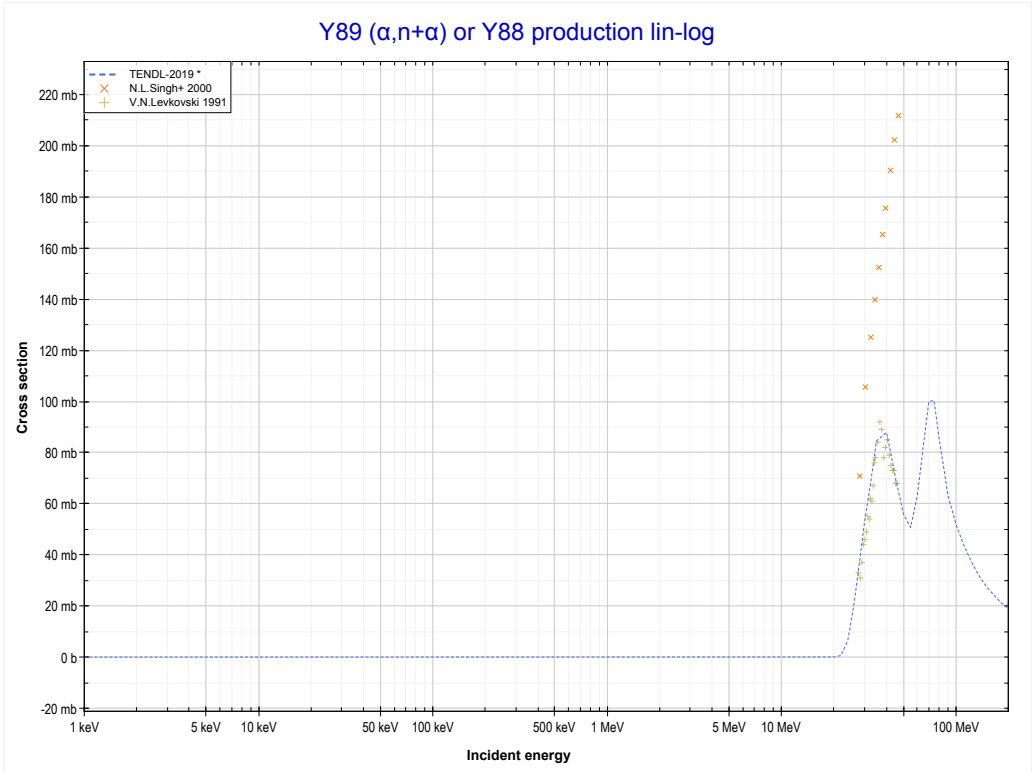
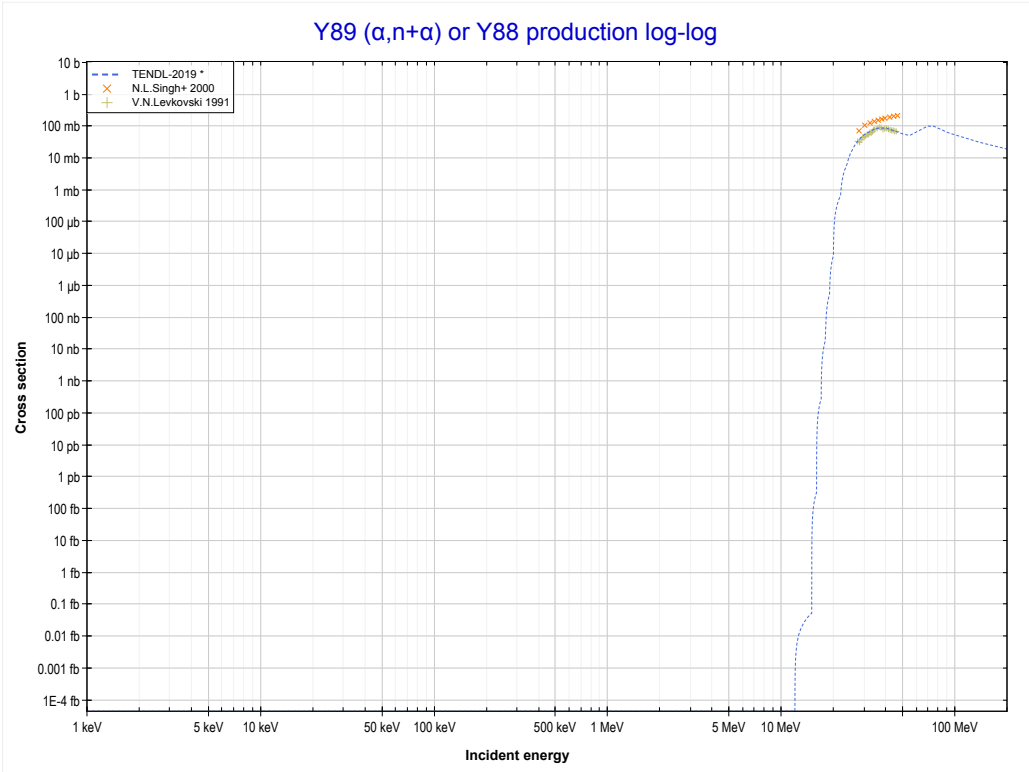
Reaction	Q-Value
Y89(α,n)Nb92	-6901.50 keV

<< 38-Sr-88	39-Y-89	41-Nb-93 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Nb90 production)	MT22 (α,n+α) >>



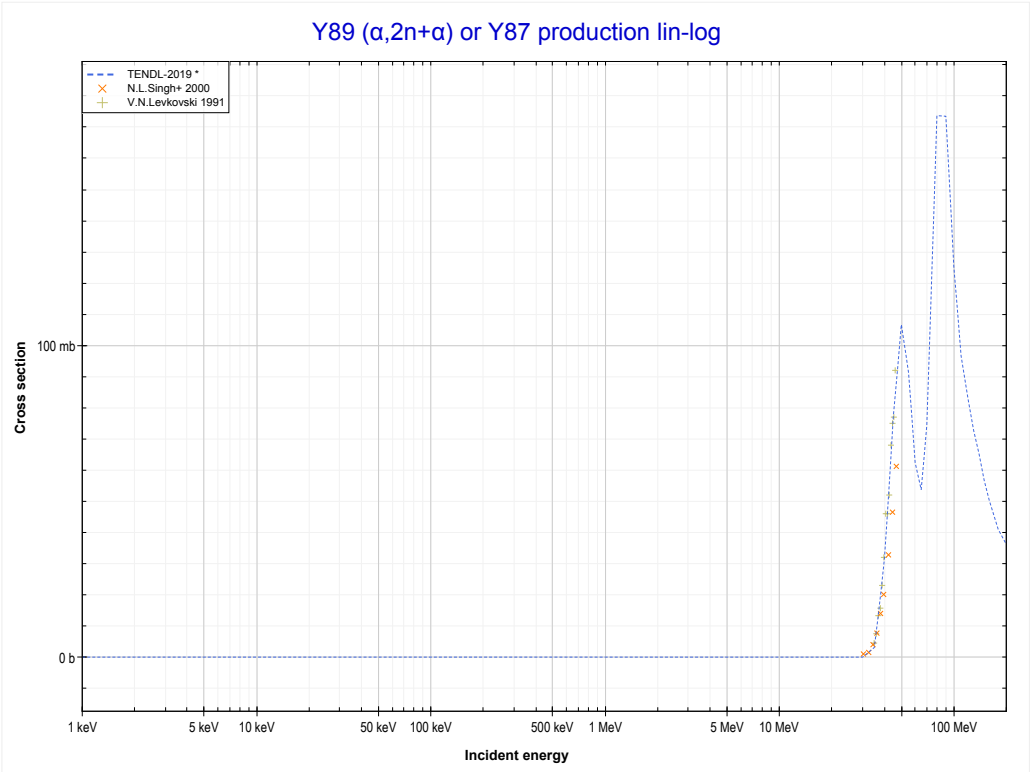
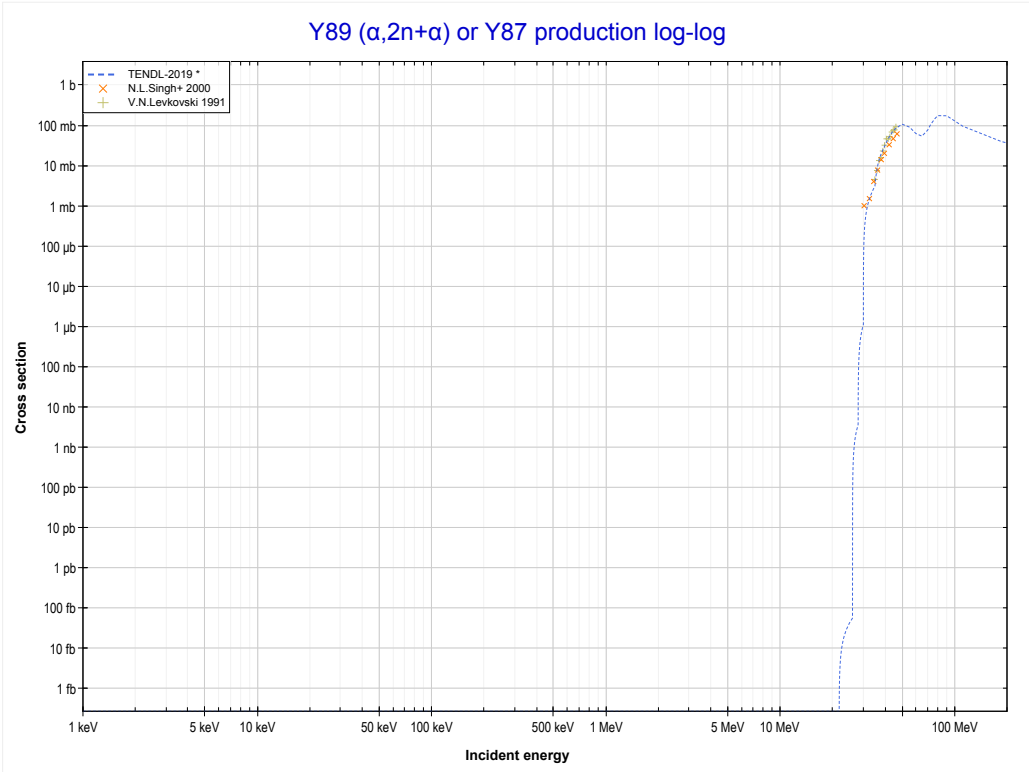
Reaction	Q-Value
Y89(α,3n)Nb90	-26835.44 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT17 ($\alpha,3n$)	MT22 ($\alpha,n+\alpha$) or MT5 (Y88 production)	MT24 ($\alpha,2n+\alpha$) >>



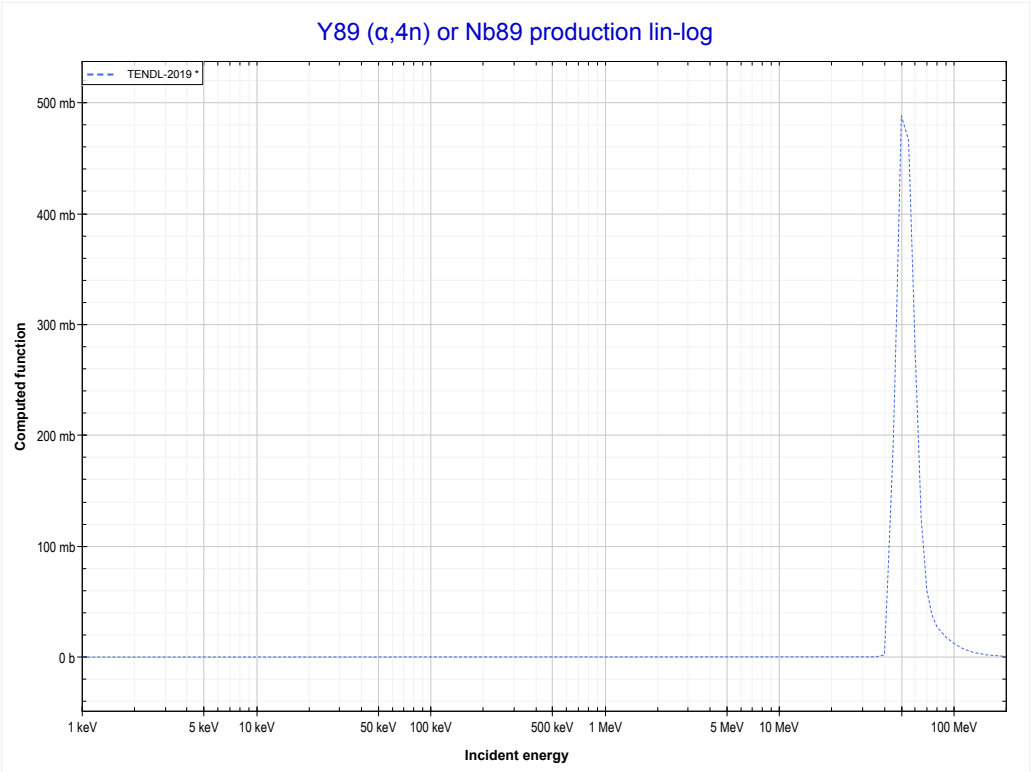
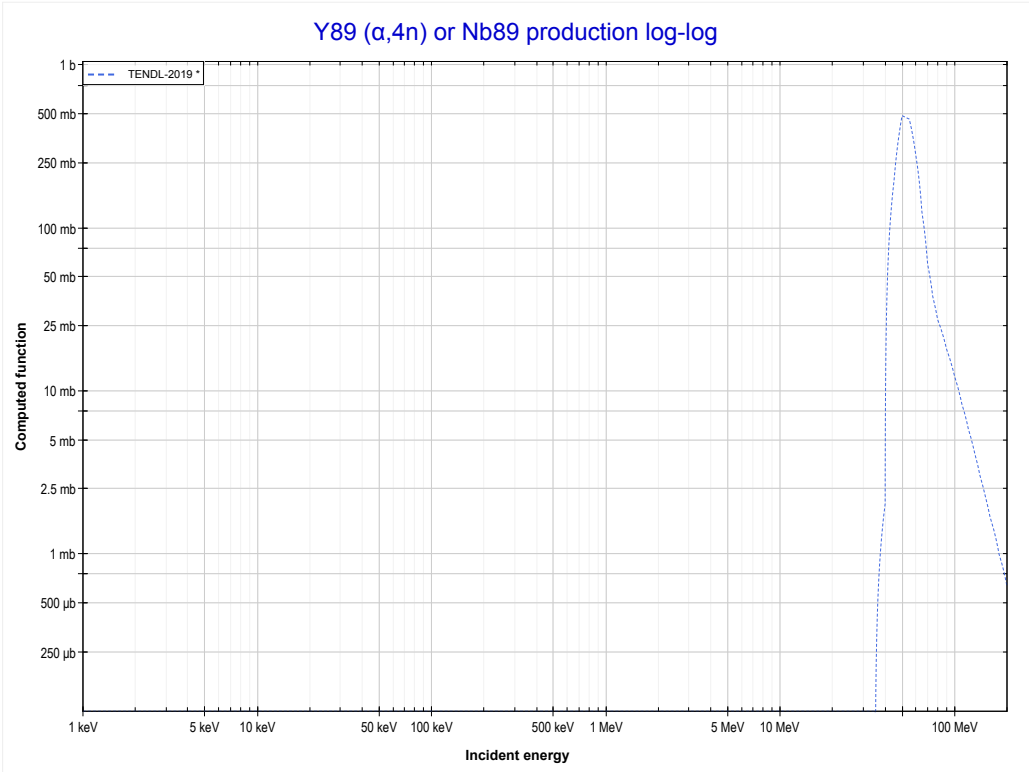
Reaction	Q-Value
Y89($\alpha,n+\alpha$)Y88	-11480.72 keV
Y89($\alpha,d+t$)Y88	-29070.02 keV
Y89($\alpha,n+p+t$)Y88	-31294.58 keV
Y89($\alpha,2n+He3$)Y88	-32058.34 keV
Y89($\alpha,n+2d$)Y88	-35327.24 keV
Y89($\alpha,2n+p+d$)Y88	-37551.81 keV
Y89($\alpha,3n+2p$)Y88	-39776.38 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Y87 production)	MT37 ($\alpha,4n$) >>



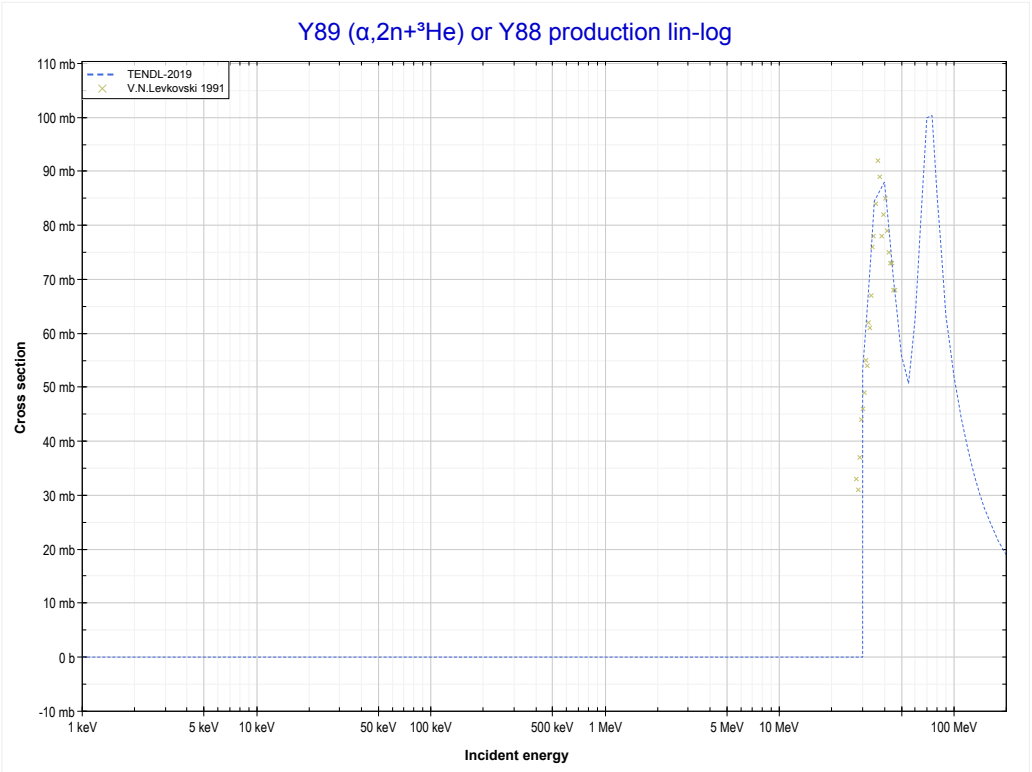
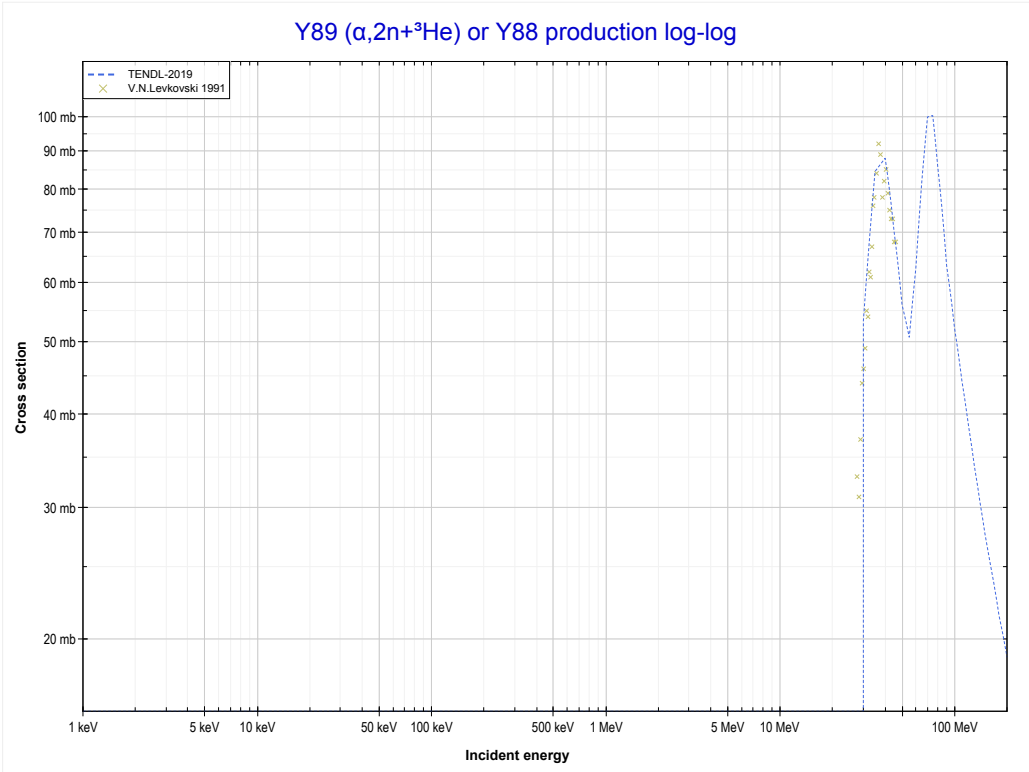
Reaction	Q-Value
Y89($\alpha,2n+\alpha$)Y87	-20832.63 keV
Y89($\alpha,2t$)Y87	-32164.70 keV
Y89($\alpha,n+d+t$)Y87	-38421.93 keV
Y89($\alpha,2n+p+t$)Y87	-40646.50 keV
Y89($\alpha,3n+He3$)Y87	-41410.25 keV
Y89($\alpha,2n+2d$)Y87	-44679.16 keV
Y89($\alpha,3n+p+d$)Y87	-46903.73 keV
Y89($\alpha,4n+2p$)Y87	-49128.29 keV

<< 37-Rb-87	39-Y-89	40-Zr-90 >>
<< MT24 ($\alpha,2n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Nb89 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



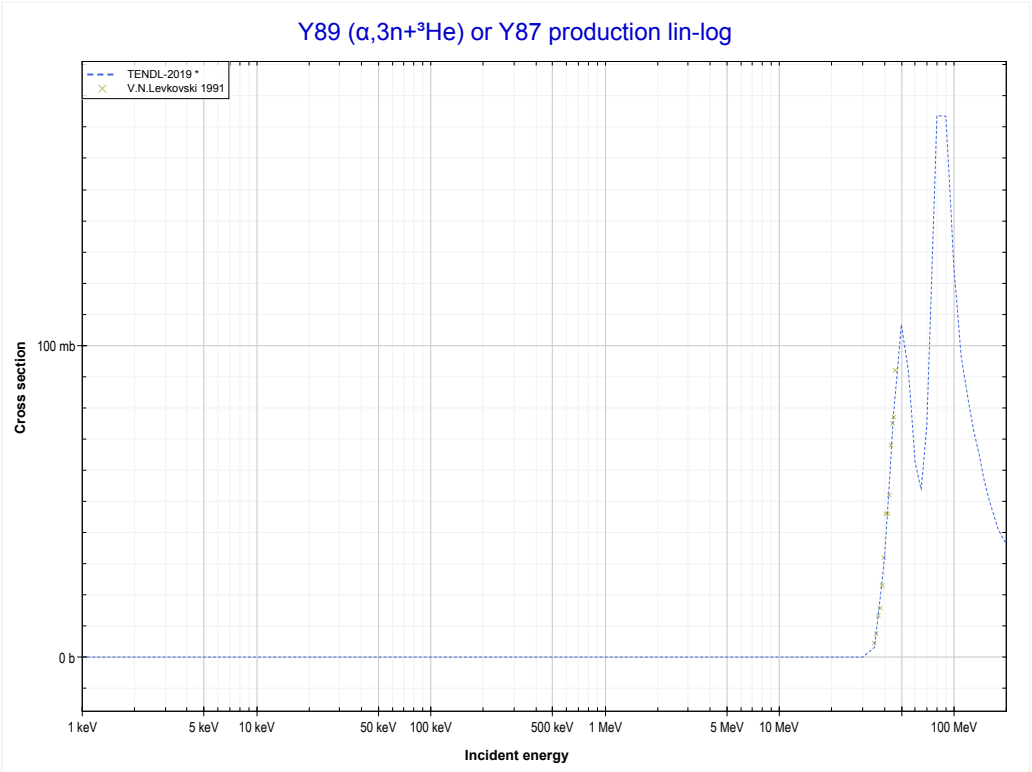
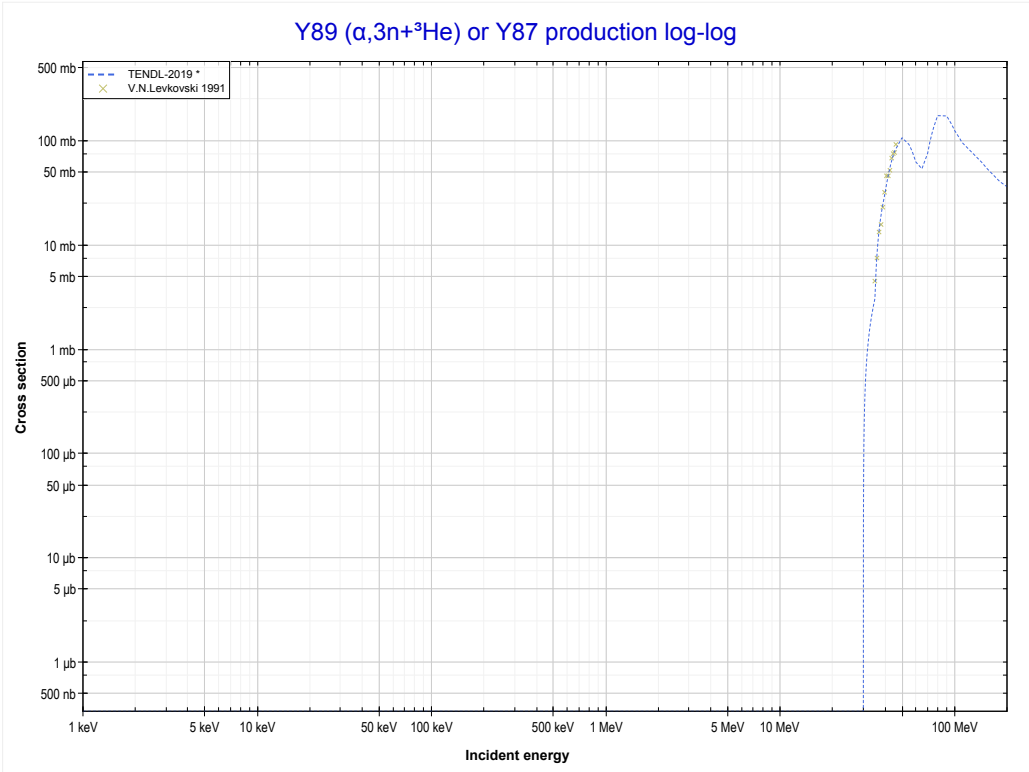
Reaction	Q-Value
Y89($\alpha,4n$)Nb89	-36943.75 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT37 ($\alpha,4n$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Y88 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



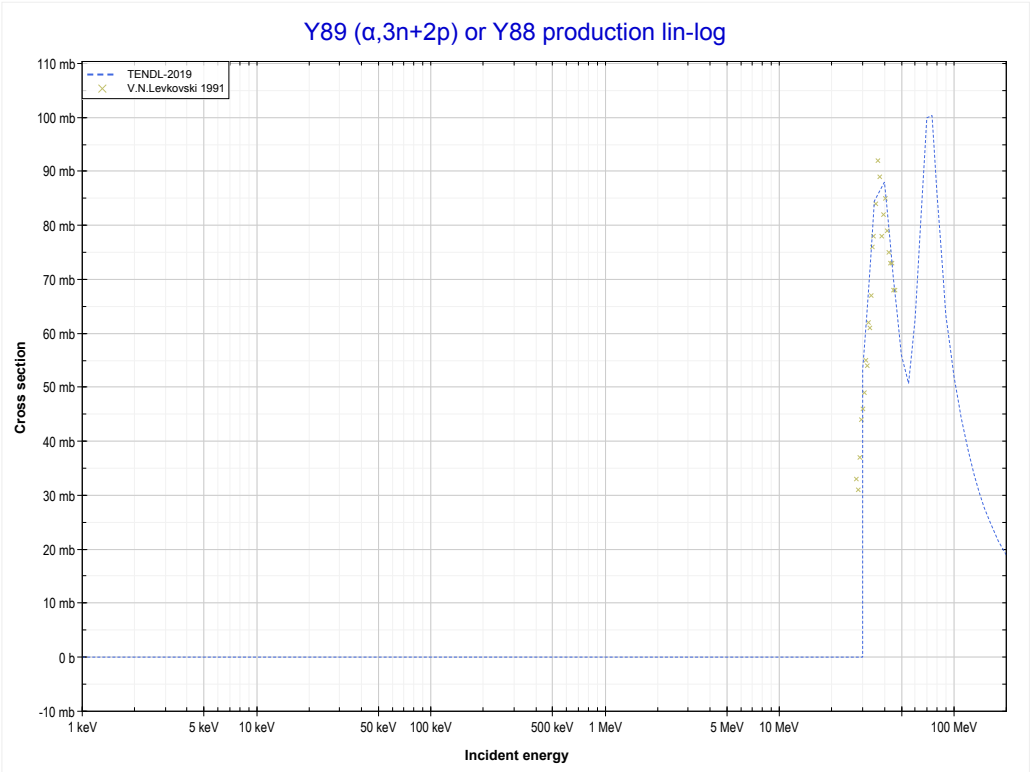
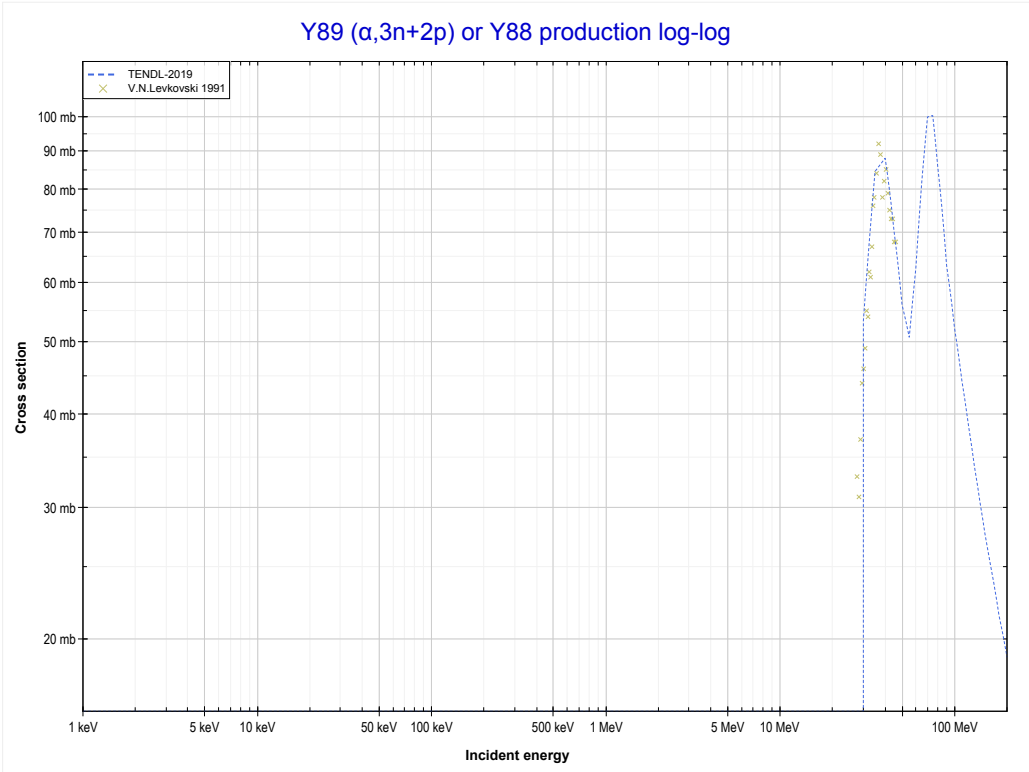
Reaction	Q-Value
Y89($\alpha,n+\alpha$)Y88	-11480.72 keV
Y89($\alpha,d+t$)Y88	-29070.02 keV
Y89($\alpha,n+p+t$)Y88	-31294.58 keV
Y89($\alpha,2n+\text{He3}$)Y88	-32058.34 keV
Y89($\alpha,n+2d$)Y88	-35327.24 keV
Y89($\alpha,2n+p+d$)Y88	-37551.81 keV
Y89($\alpha,3n+2p$)Y88	-39776.38 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Y87 production)	MT179 ($\alpha,3n+2p$) >>



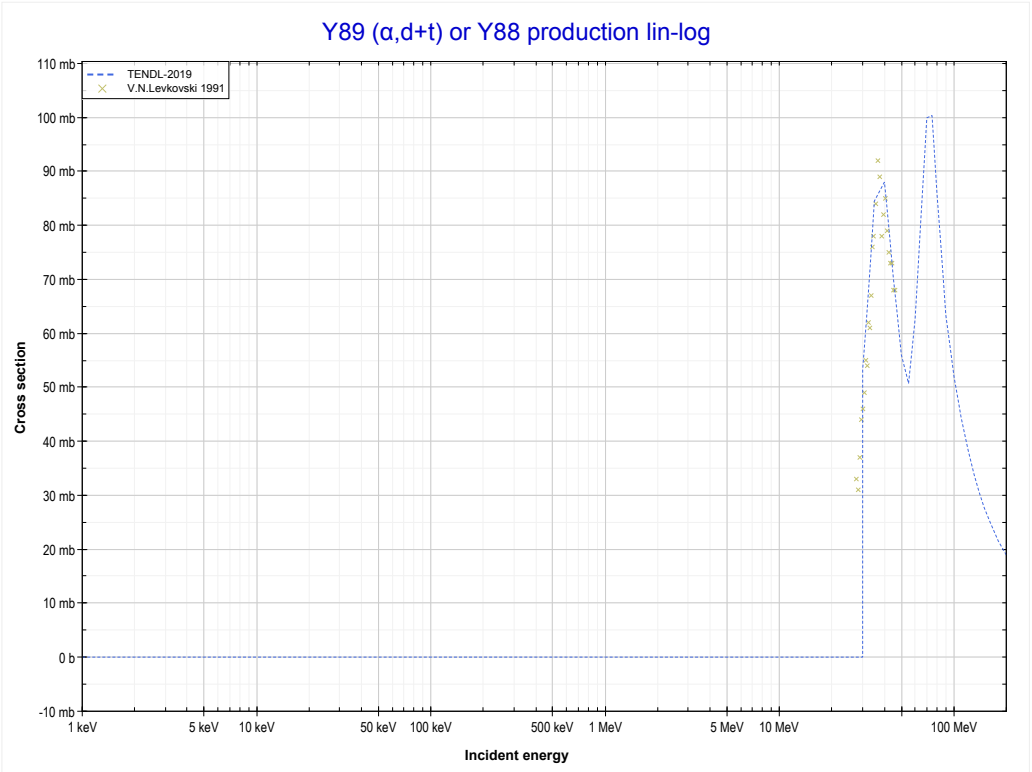
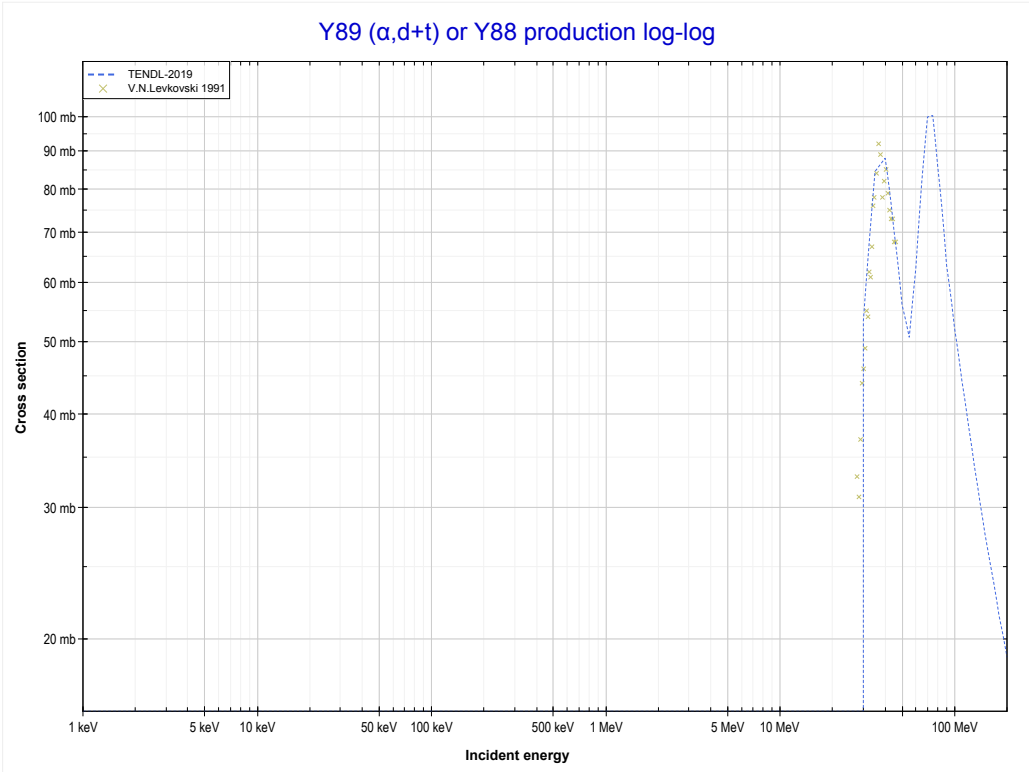
Reaction	Q-Value
Y89($\alpha,2n+\alpha$)Y87	-20832.63 keV
Y89($\alpha,2t$)Y87	-32164.70 keV
Y89($\alpha,n+d+t$)Y87	-38421.93 keV
Y89($\alpha,2n+p+t$)Y87	-40646.50 keV
Y89($\alpha,3n+^3\text{He}$)Y87	-41410.25 keV
Y89($\alpha,2n+2d$)Y87	-44679.16 keV
Y89($\alpha,3n+p+d$)Y87	-46903.73 keV
Y89($\alpha,4n+2p$)Y87	-49128.29 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Y88 production)	MT182 ($\alpha,d+t$) >>



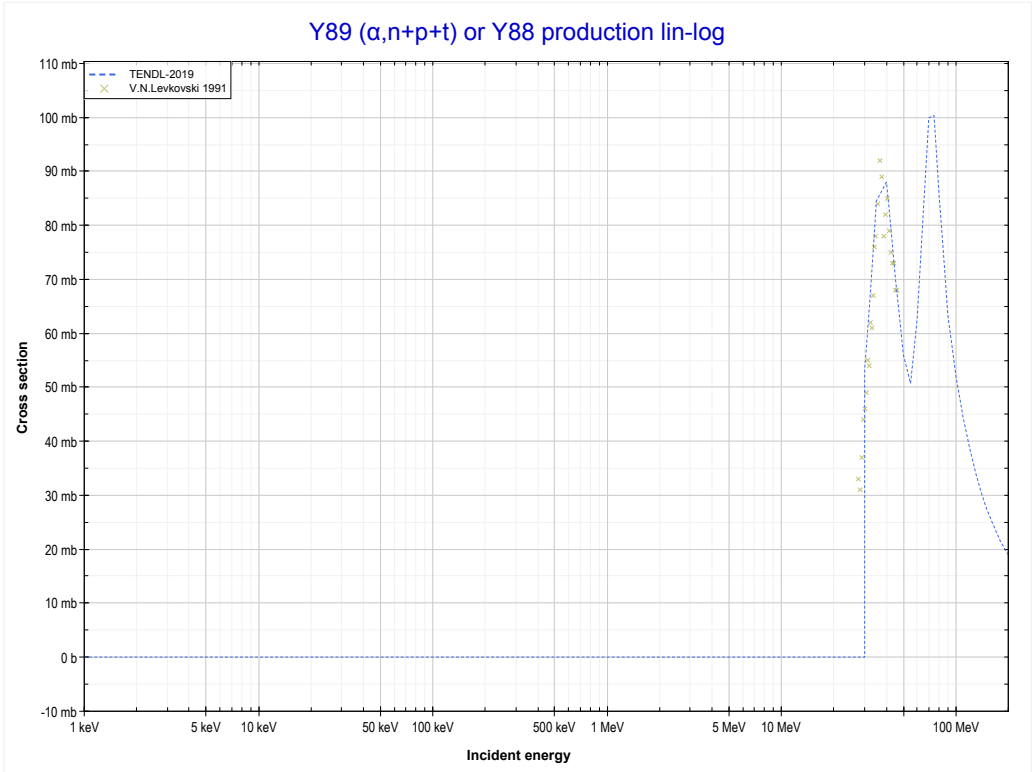
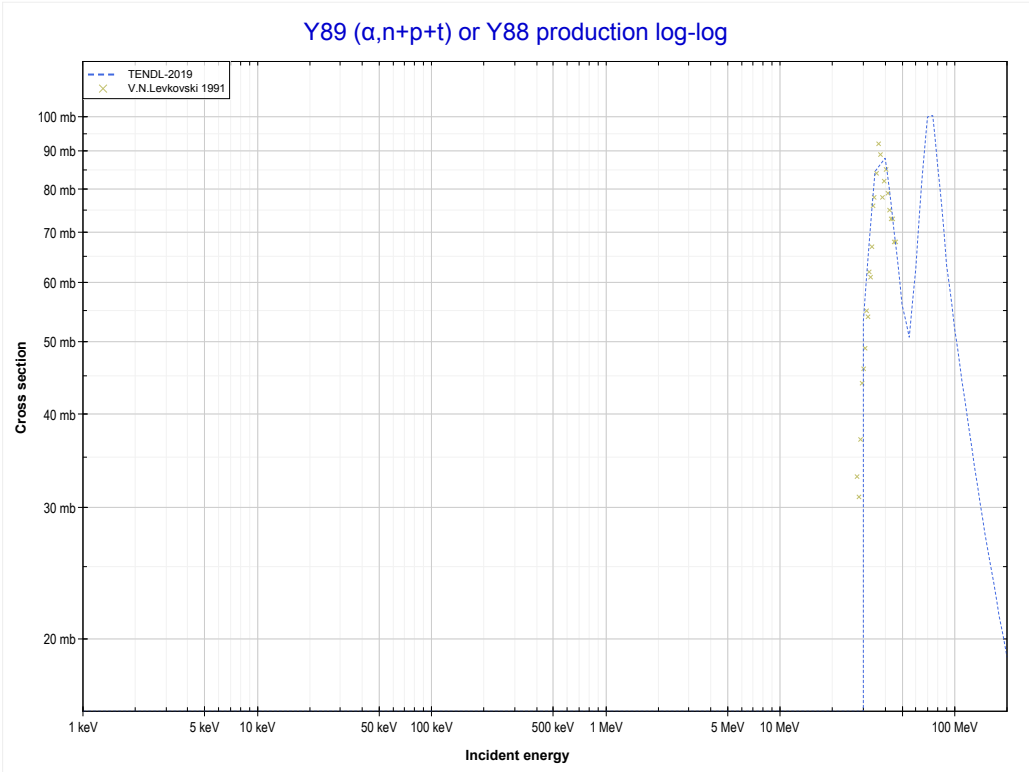
Reaction	Q-Value
Y89($\alpha,n+\alpha$)Y88	-11480.72 keV
Y89($\alpha,d+t$)Y88	-29070.02 keV
Y89($\alpha,n+p+t$)Y88	-31294.58 keV
Y89($\alpha,2n+^3\text{He}$)Y88	-32058.34 keV
Y89($\alpha,n+2d$)Y88	-35327.24 keV
Y89($\alpha,2n+p+d$)Y88	-37551.81 keV
Y89($\alpha,3n+2p$)Y88	-39776.38 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Y88 production)	MT184 ($\alpha,n+p+t$) >>



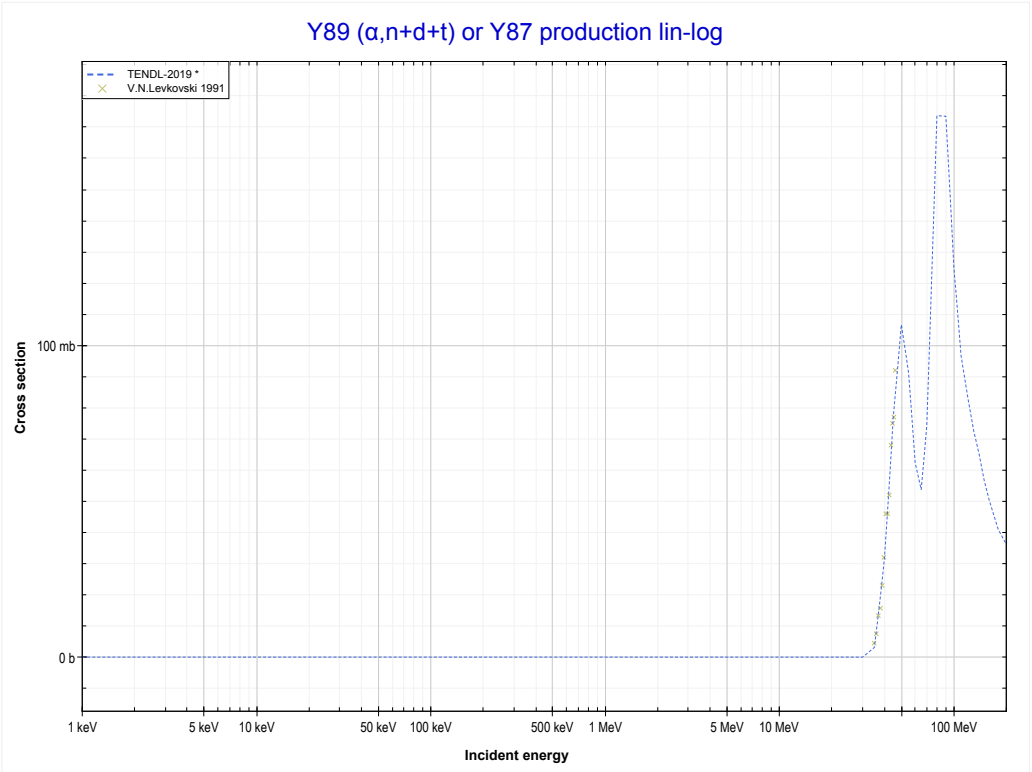
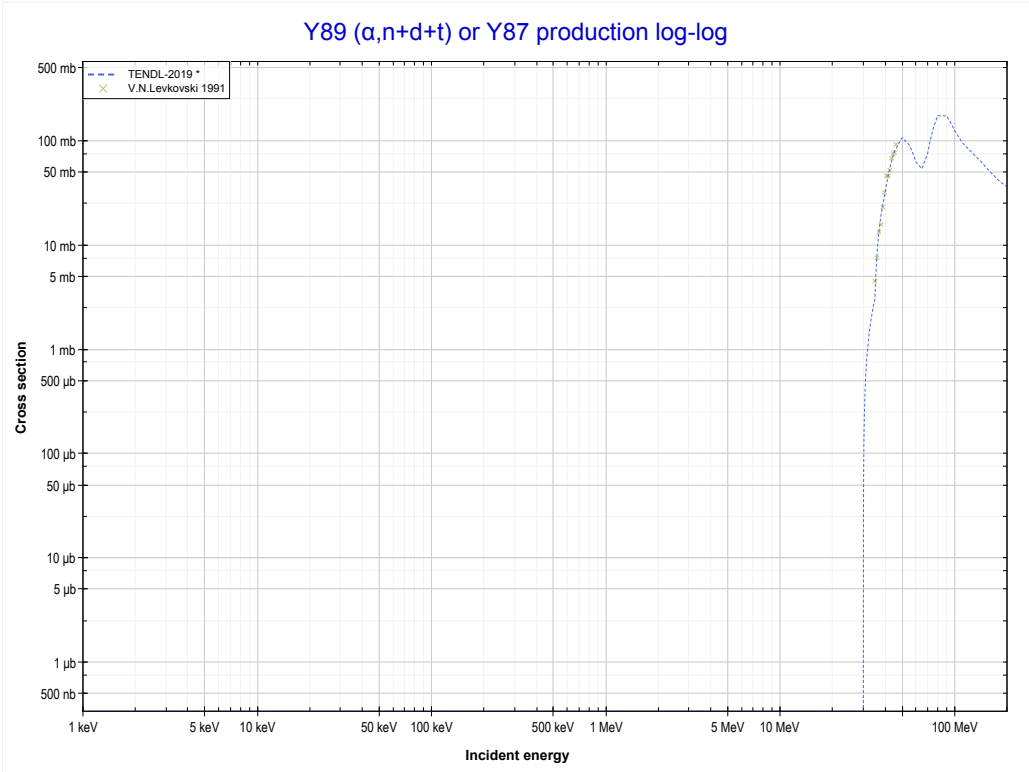
Reaction	Q-Value
Y89($\alpha,n+\alpha$)Y88	-11480.72 keV
Y89($\alpha,d+t$)Y88	-29070.02 keV
Y89($\alpha,n+p+t$)Y88	-31294.58 keV
Y89($\alpha,2n+He3$)Y88	-32058.34 keV
Y89($\alpha,n+2d$)Y88	-35327.24 keV
Y89($\alpha,2n+p+d$)Y88	-37551.81 keV
Y89($\alpha,3n+2p$)Y88	-39776.38 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Y88 production)	MT185 (α,n+d+t) >>



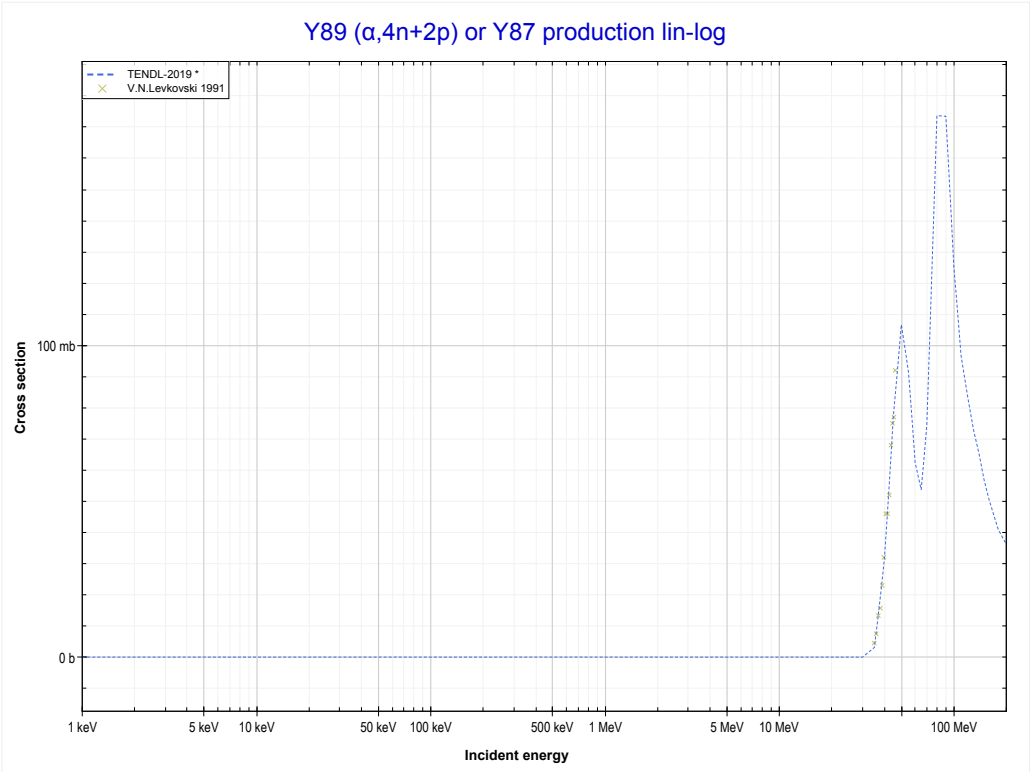
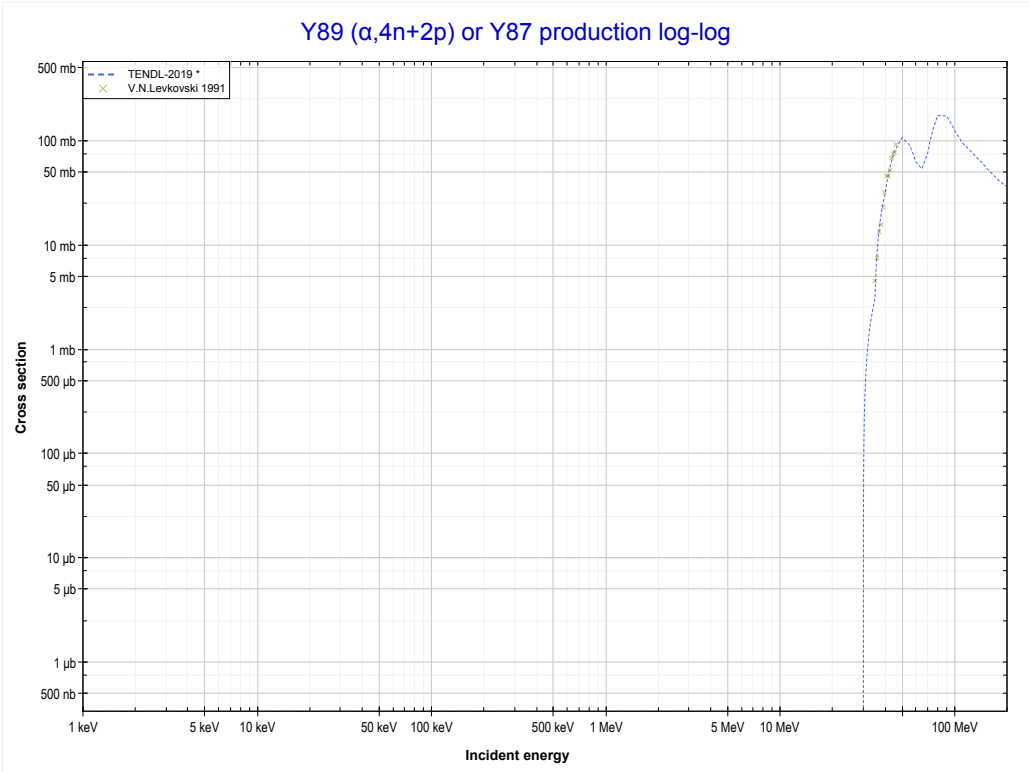
Reaction	Q-Value
Y89(α,n+α)Y88	-11480.72 keV
Y89(α,d+t)Y88	-29070.02 keV
Y89(α,n+p+t)Y88	-31294.58 keV
Y89(α,2n+He3)Y88	-32058.34 keV
Y89(α,n+2d)Y88	-35327.24 keV
Y89(α,2n+p+d)Y88	-37551.81 keV
Y89(α,3n+2p)Y88	-39776.38 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT184 (α ,n+p+t)	MT185 (α ,n+d+t) or MT5 (Y87 production)	MT194 (α ,4n+2p) >>



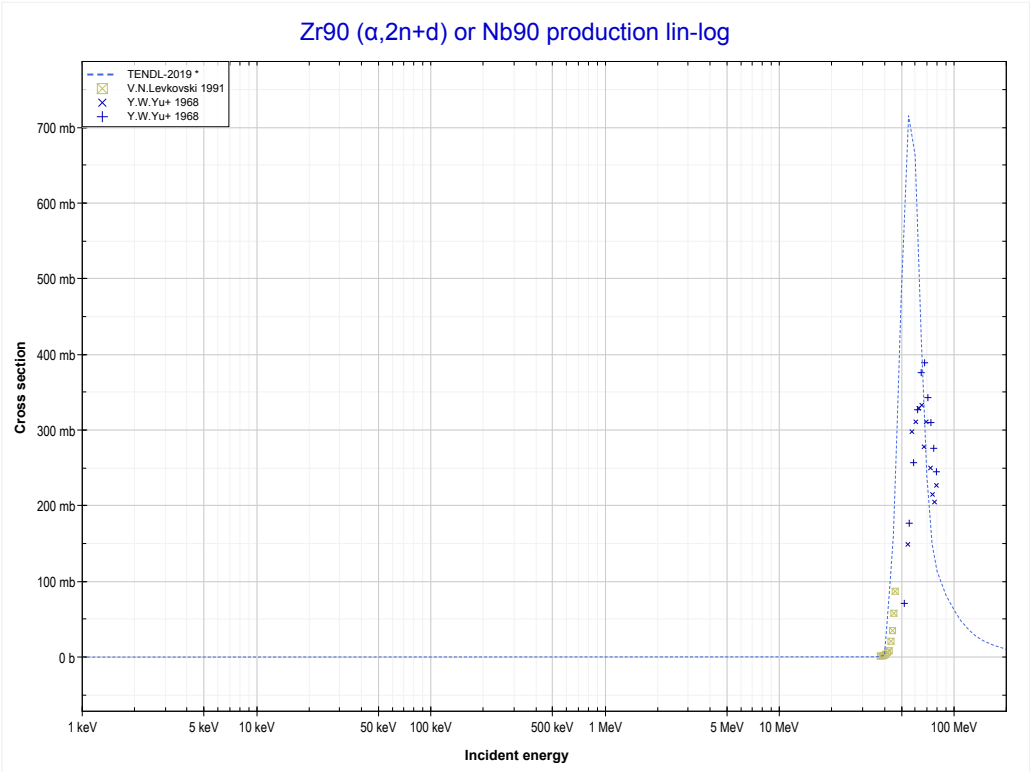
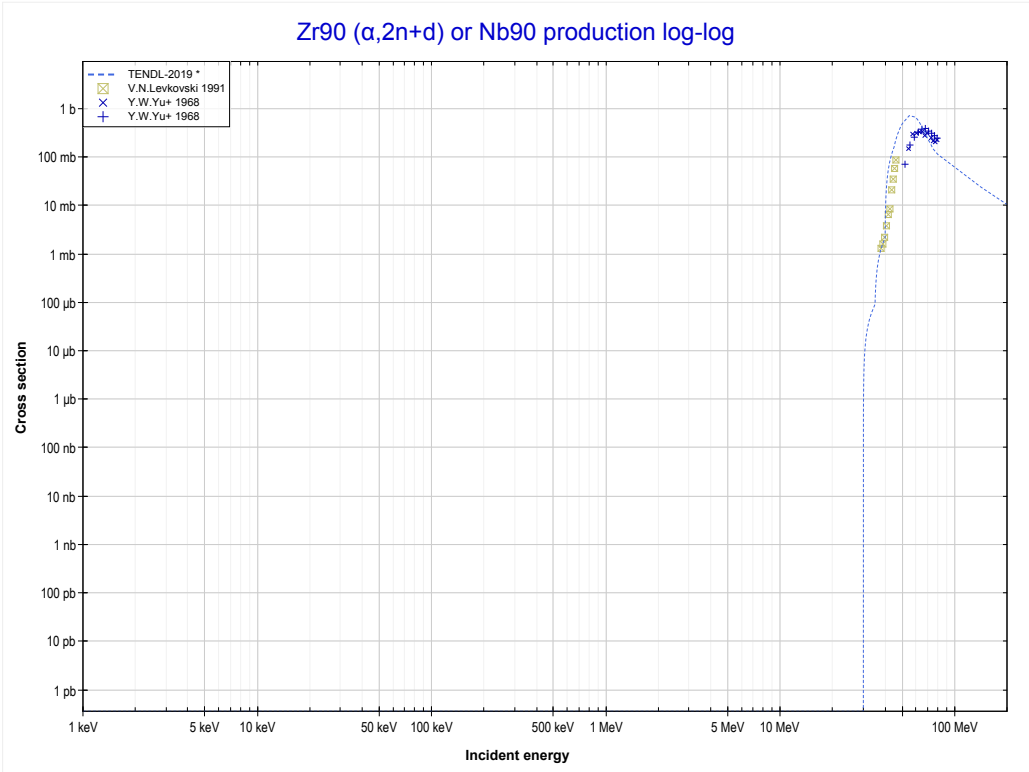
Reaction	Q-Value
Y89(α ,2n+ α)Y87	-20832.63 keV
Y89(α ,2t)Y87	-32164.70 keV
Y89(α ,n+d+t)Y87	-38421.93 keV
Y89(α ,2n+p+t)Y87	-40646.50 keV
Y89(α ,3n+He3)Y87	-41410.25 keV
Y89(α ,2n+2d)Y87	-44679.16 keV
Y89(α ,3n+p+d)Y87	-46903.73 keV
Y89(α ,4n+2p)Y87	-49128.29 keV

<< 37-Rb-85	39-Y-89	40-Zr-90 >>
<< MT185 (α ,n+d+t)	MT194 (α ,4n+2p) or MT5 (Y87 production)	40-Zr-90 MT11 (α ,2n+d) >>



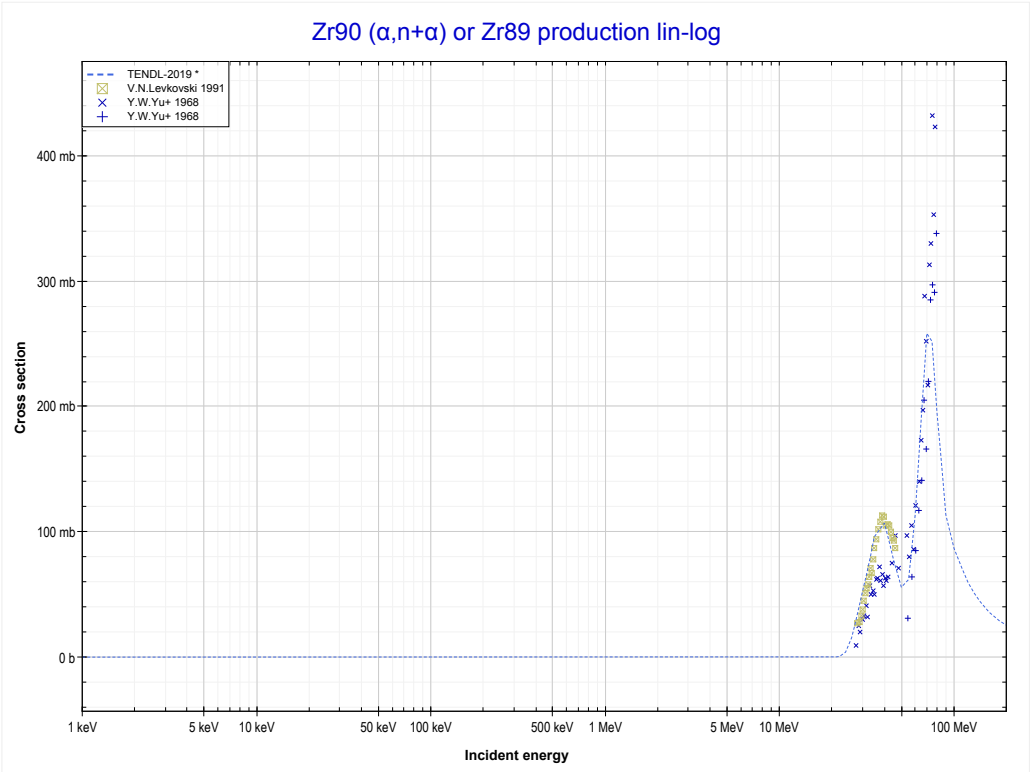
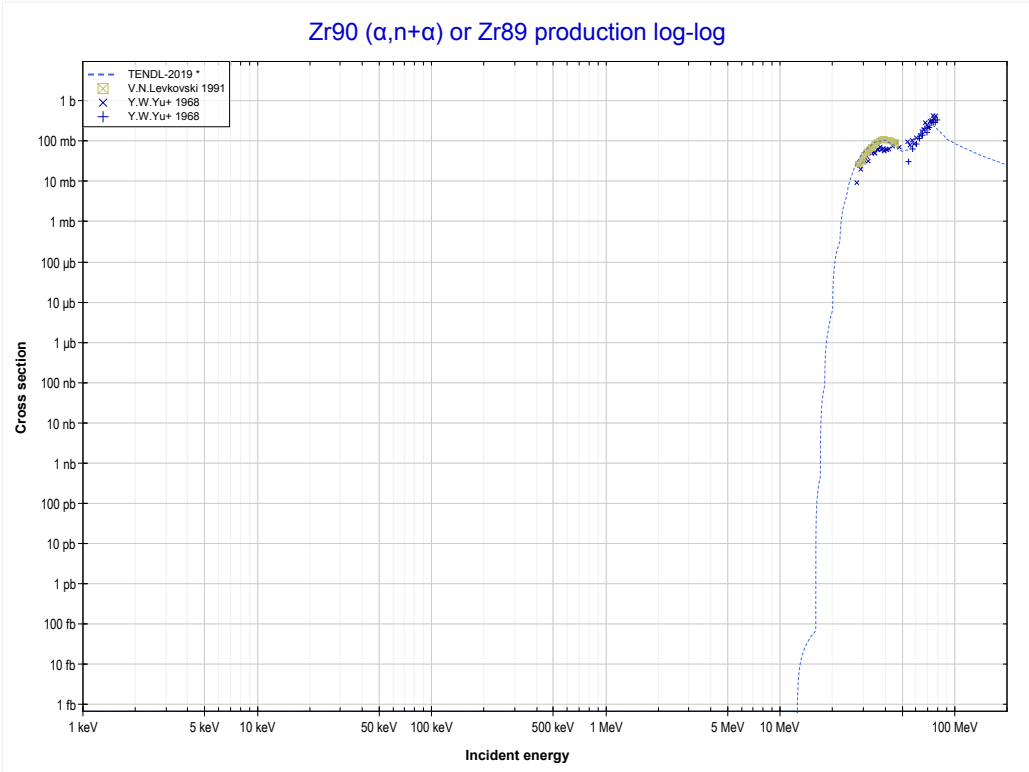
Reaction	Q-Value
Y89(α ,2n+ α)Y87	-20832.63 keV
Y89(α ,2t)Y87	-32164.70 keV
Y89(α ,n+d+t)Y87	-38421.93 keV
Y89(α ,2n+p+t)Y87	-40646.50 keV
Y89(α ,3n+He3)Y87	-41410.25 keV
Y89(α ,2n+2d)Y87	-44679.16 keV
Y89(α ,3n+p+d)Y87	-46903.73 keV
Y89(α ,4n+2p)Y87	-49128.29 keV

<< 37-Rb-85	40-Zr-90	42-Mo-94 >>
<< 39-Y-89 MT194 ($\alpha,4n+2p$)	MT11 ($\alpha,2n+d$) or MT5 (Nb90 production)	MT22 ($\alpha,n+\alpha$) >>



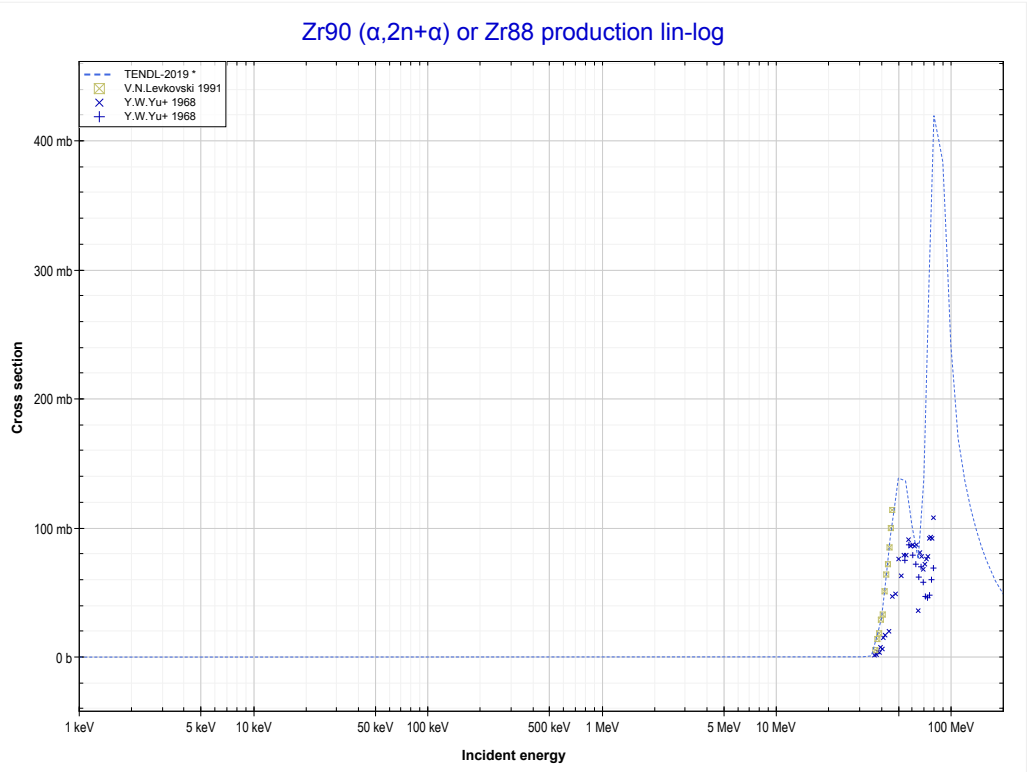
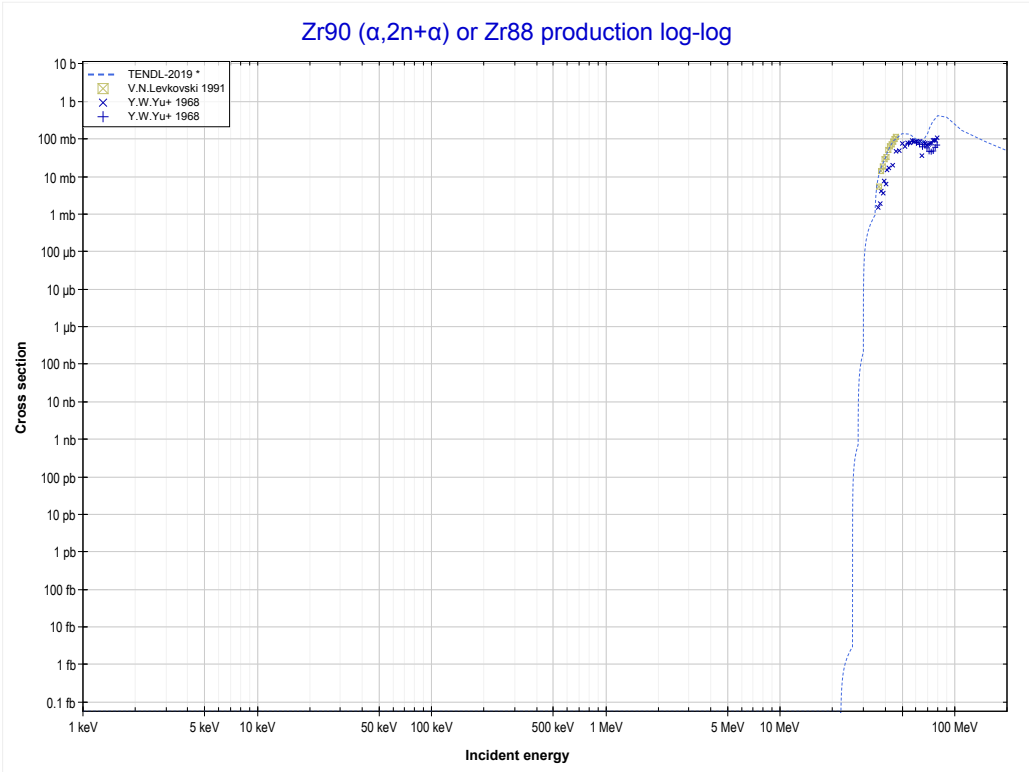
Reaction	Q-Value
Zr90($\alpha,n+t$)Nb90	-26706.75 keV
Zr90($\alpha,2n+d$)Nb90	-32963.98 keV
Zr90($\alpha,3n+p$)Nb90	-35188.55 keV

<< 39-Y-89	40-Zr-90	40-Zr-96 >>
<< MT11 ($\alpha,2n+d$)	MT22 ($\alpha,n+\alpha$) or MT5 (Zr89 production)	MT24 ($\alpha,2n+\alpha$) >>



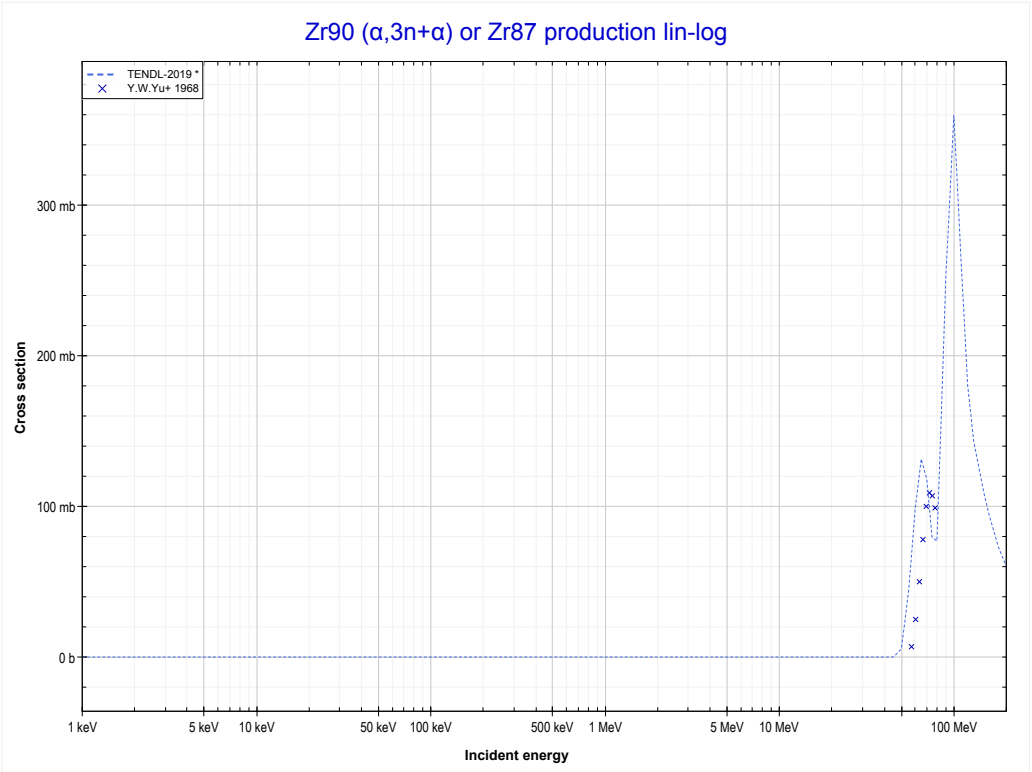
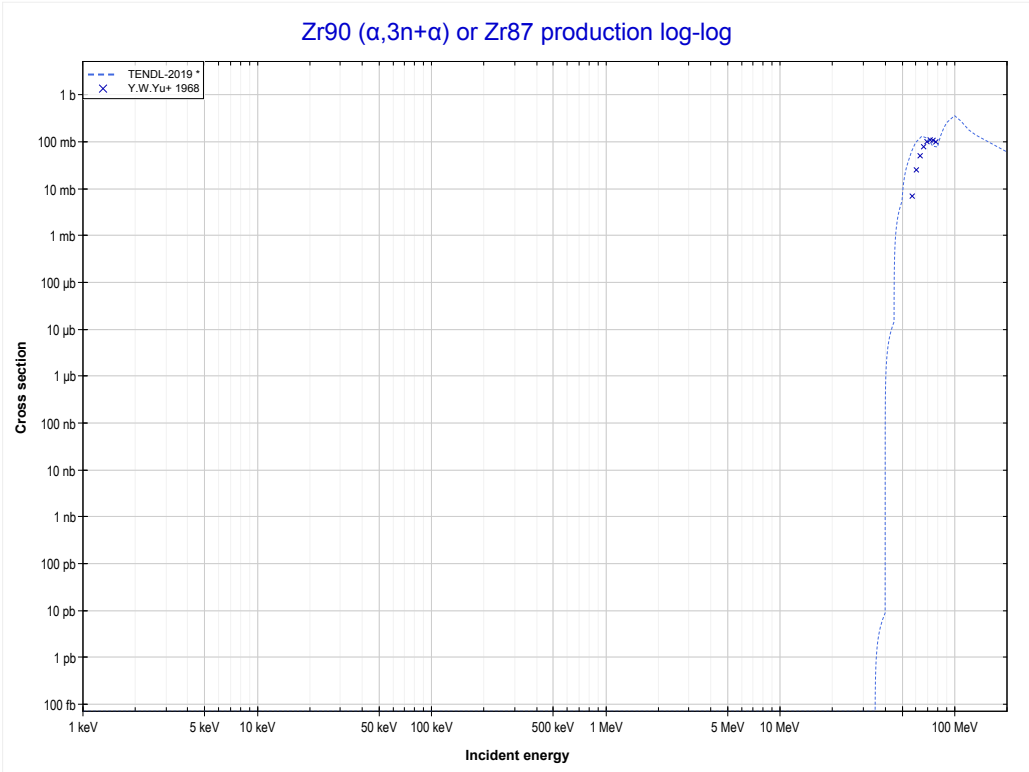
Reaction	Q-Value
Zr90($\alpha,n+\alpha$)Zr89	-11967.86 keV
Zr90($\alpha,d+t$)Zr89	-29557.16 keV
Zr90($\alpha,n+p+t$)Zr89	-31781.72 keV
Zr90($\alpha,2n+He3$)Zr89	-32545.48 keV
Zr90($\alpha,n+2d$)Zr89	-35814.38 keV
Zr90($\alpha,2n+p+d$)Zr89	-38038.95 keV
Zr90($\alpha,3n+2p$)Zr89	-40263.52 keV

<< 39-Y-89	40-Zr-90	42-Mo-92 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Zr88 production)	MT25 ($\alpha,3n+\alpha$) >>



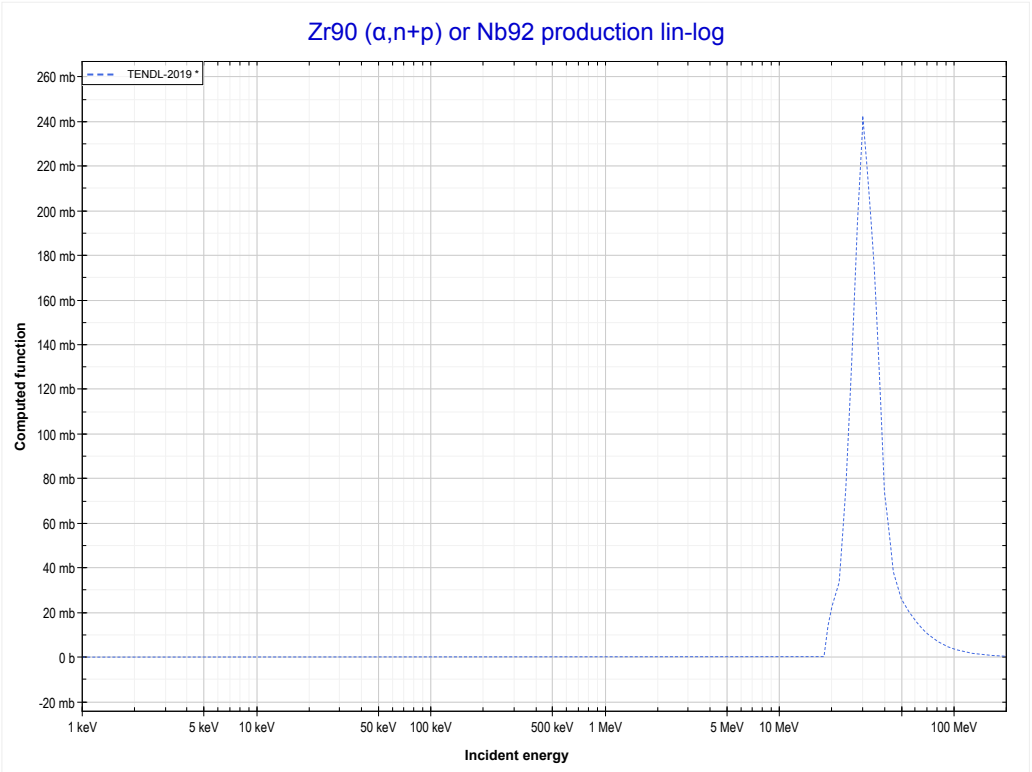
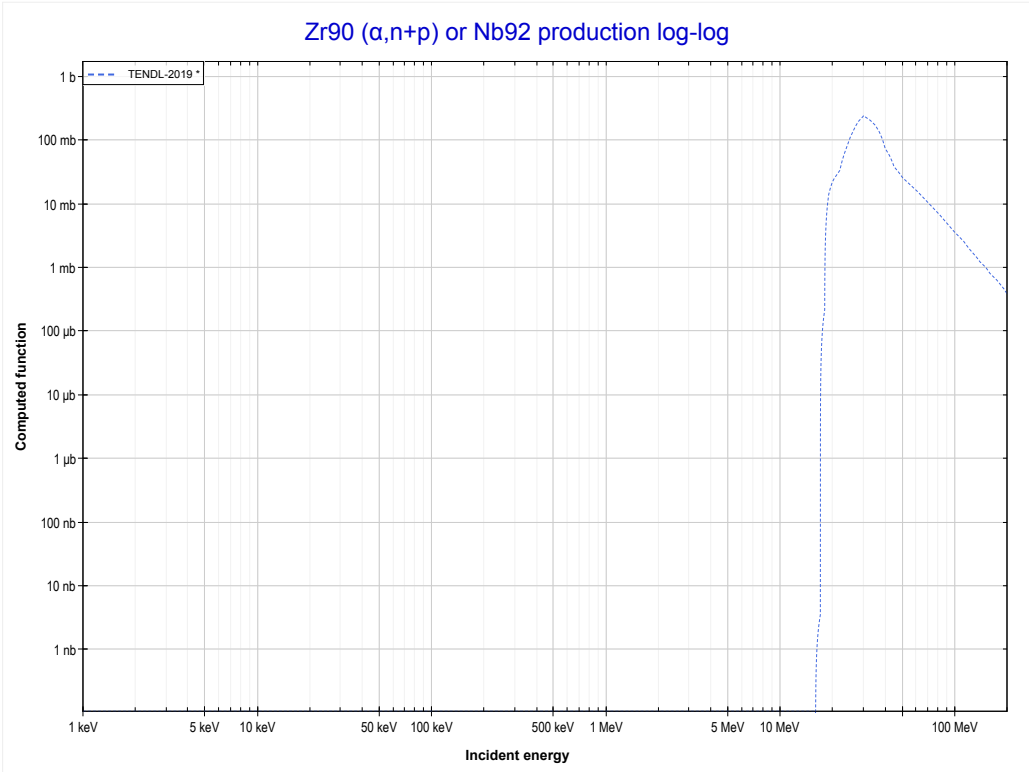
Reaction	Q-Value
Zr90($\alpha,2n+\alpha$)Zr88	-21286.17 keV
Zr90($\alpha,2t$)Zr88	-32618.24 keV
Zr90($\alpha,n+d+t$)Zr88	-38875.47 keV
Zr90($\alpha,2n+p+t$)Zr88	-41100.04 keV
Zr90($\alpha,3n+He3$)Zr88	-41863.79 keV
Zr90($\alpha,2n+2d$)Zr88	-45132.70 keV
Zr90($\alpha,3n+p+d$)Zr88	-47357.27 keV
Zr90($\alpha,4n+2p$)Zr88	-49581.83 keV

<< 27-Co-59	40-Zr-90	41-Nb-93 >>
<< MT24 ($\alpha,2n+\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (Zr87 production)	MT28 ($\alpha,n+p$) >>



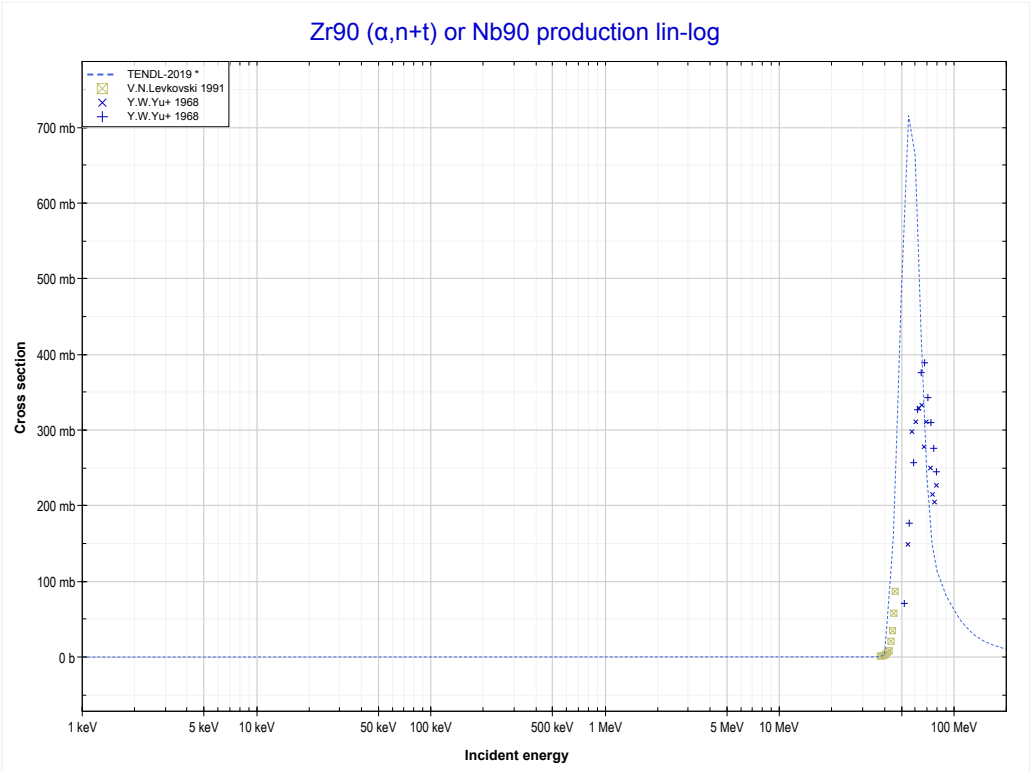
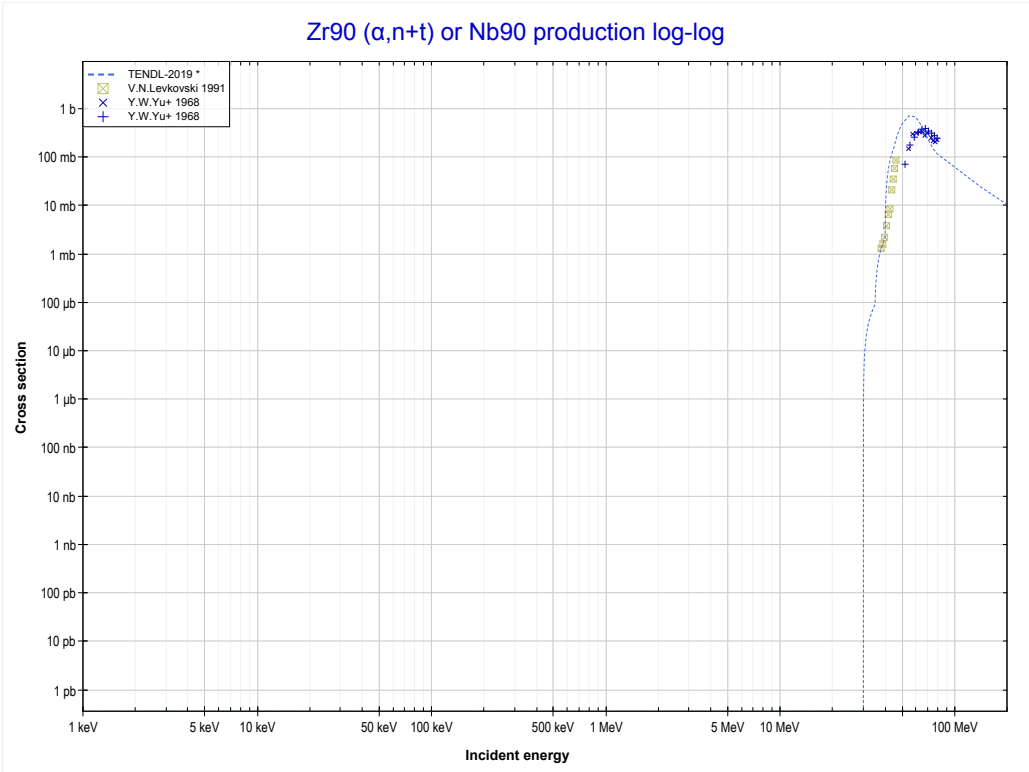
Reaction	Q-Value
Zr90($\alpha,3n+\alpha$)Zr87	-33639.49 keV
Zr90($\alpha,n+2t$)Zr87	-44971.56 keV
Zr90($\alpha,2n+d+t$)Zr87	-51228.79 keV
Zr90($\alpha,3n+p+t$)Zr87	-53453.36 keV
Zr90($\alpha,4n+He3$)Zr87	-54217.11 keV
Zr90($\alpha,3n+2d$)Zr87	-57486.02 keV
Zr90($\alpha,4n+p+d$)Zr87	-59710.59 keV
Zr90($\alpha,5n+2p$)Zr87	-61935.15 keV

<< 38-Sr-86	40-Zr-90	40-Zr-94 >>
<< MT25 (α ,3n+ α)	MT28 (α ,n+p) or MT5 (Nb92 production)	MT33 (α ,n+t) >>



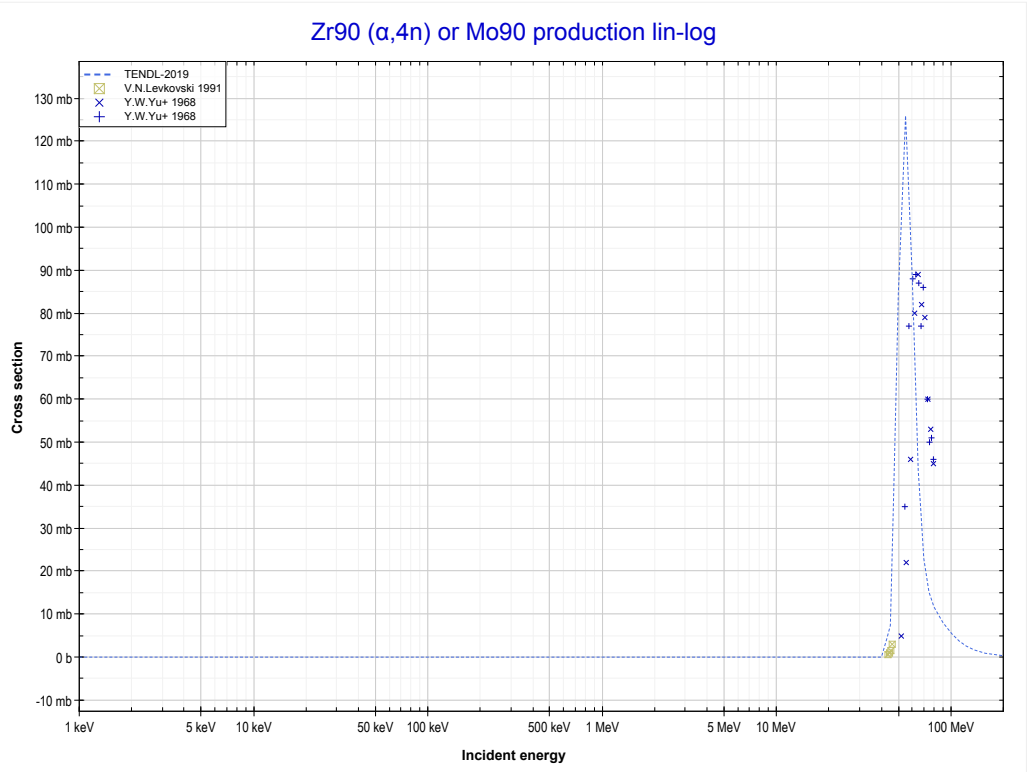
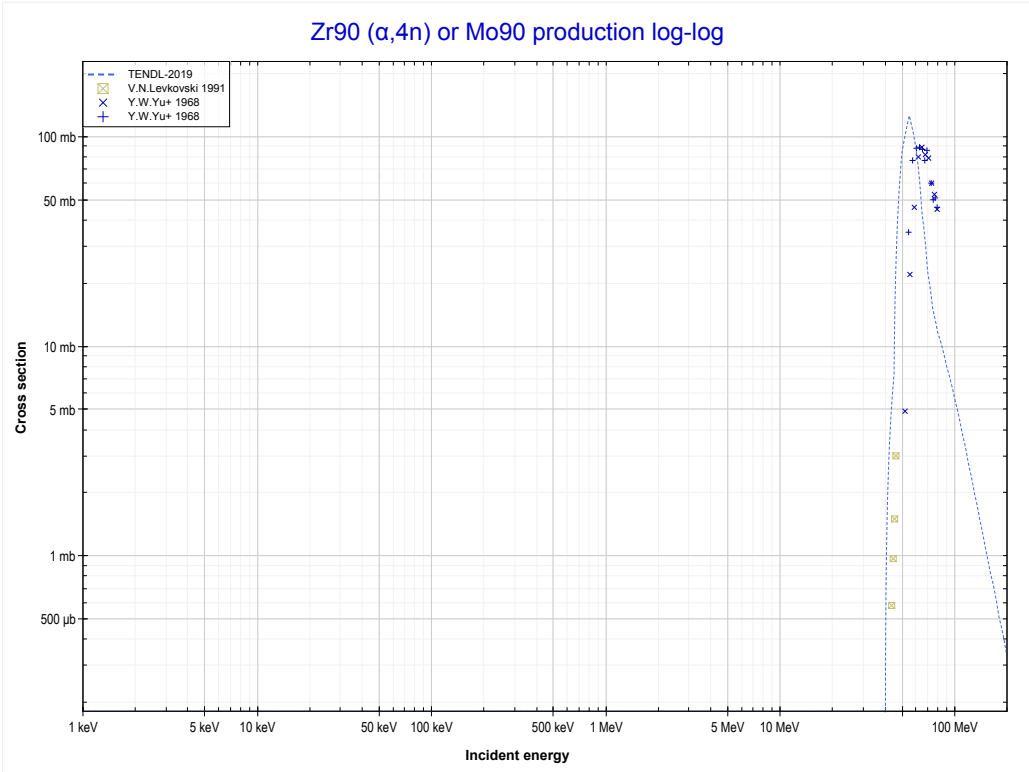
Reaction	Q-Value
Zr90(α ,d)Nb92	-13030.05 keV
Zr90(α ,n+p)Nb92	-15254.61 keV

<< 37-Rb-85	40-Zr-90	42-Mo-94 >>
<< MT28 (α ,n+p)	MT33 (α ,n+t) or MT5 (Nb90 production)	MT37 (α ,4n) >>



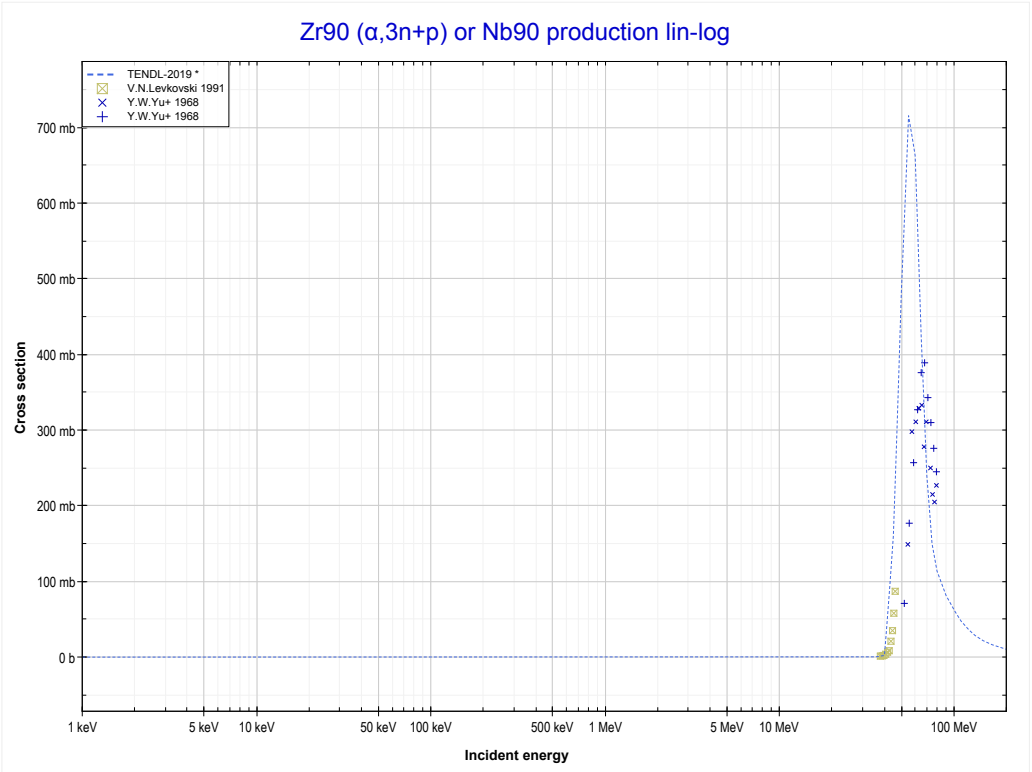
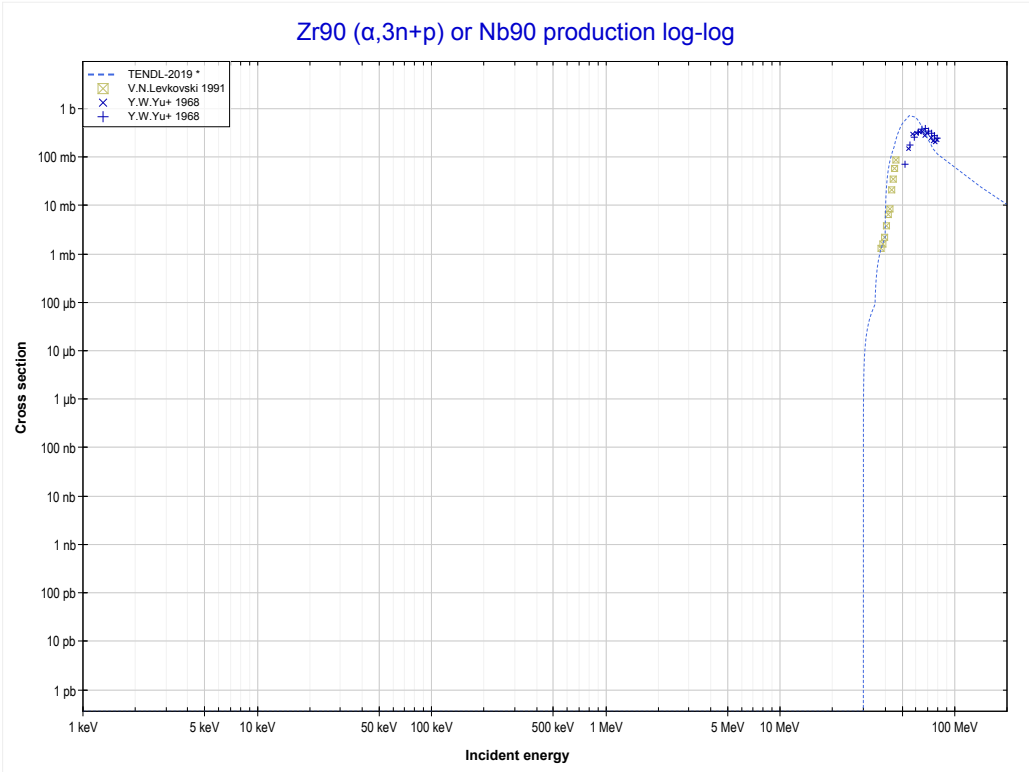
Reaction	Q-Value
Zr90(α ,n+t)Nb90	-26706.75 keV
Zr90(α ,2n+d)Nb90	-32963.98 keV
Zr90(α ,3n+p)Nb90	-35188.55 keV

<< 39-Y-89	40-Zr-90	41-Nb-93 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Mo90 production)	MT42 ($\alpha,3n+p$) >>



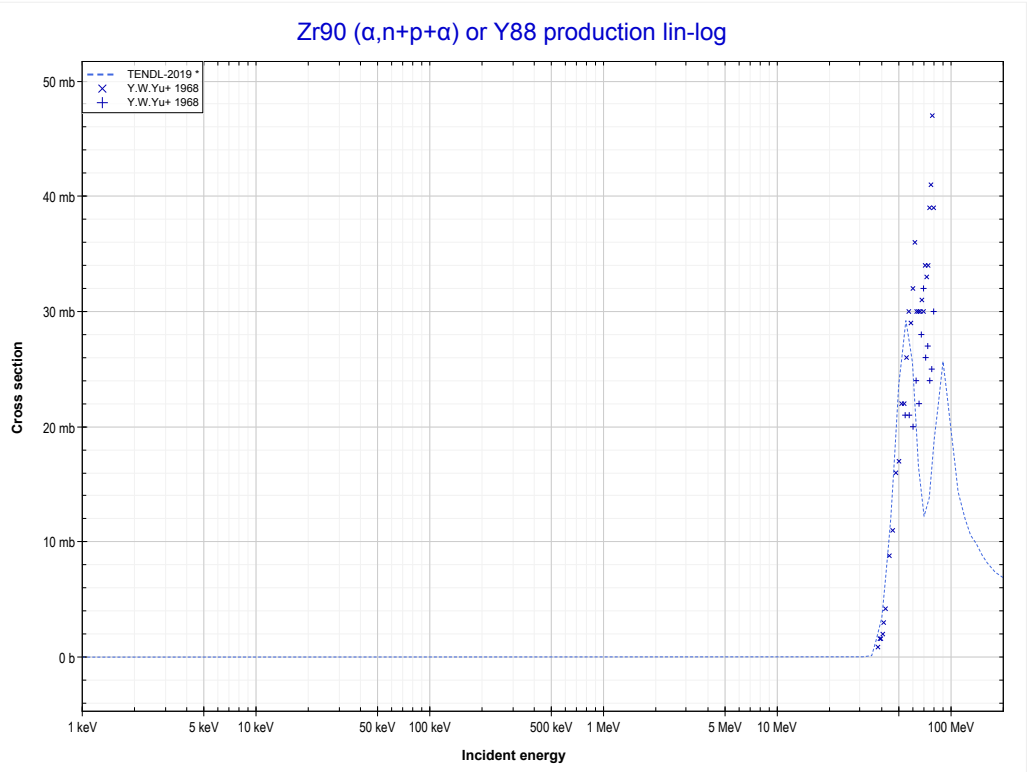
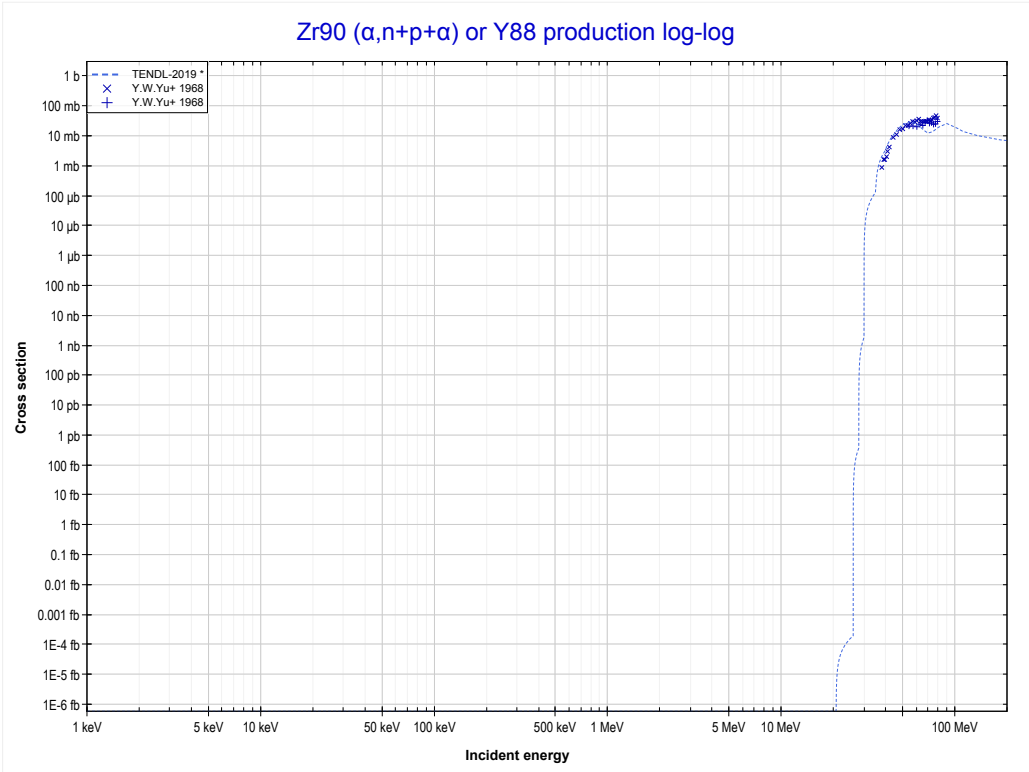
Reaction	Q-Value
Zr90($\alpha,4n$)Mo90	-38459.89 keV

<< 37-Rb-85	40-Zr-90	41-Nb-93 >>
<< MT37 ($\alpha,4n$)	MT42 ($\alpha,3n+p$) or MT5 (Nb90 production)	MT45 ($\alpha,n+p+\alpha$) >>



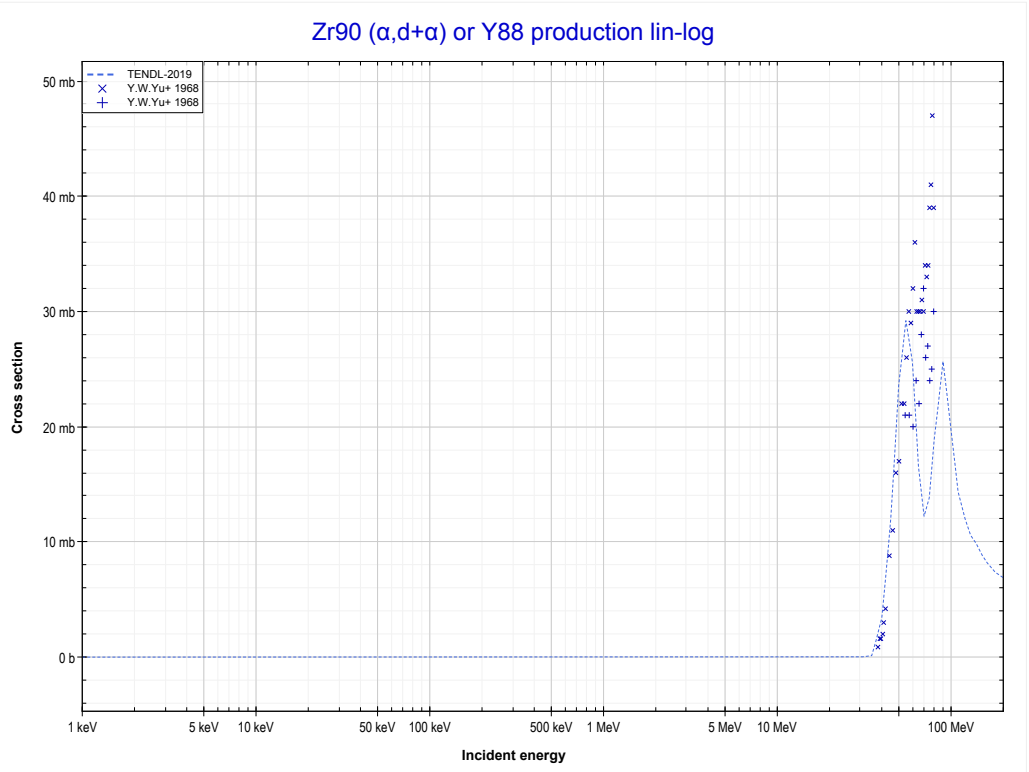
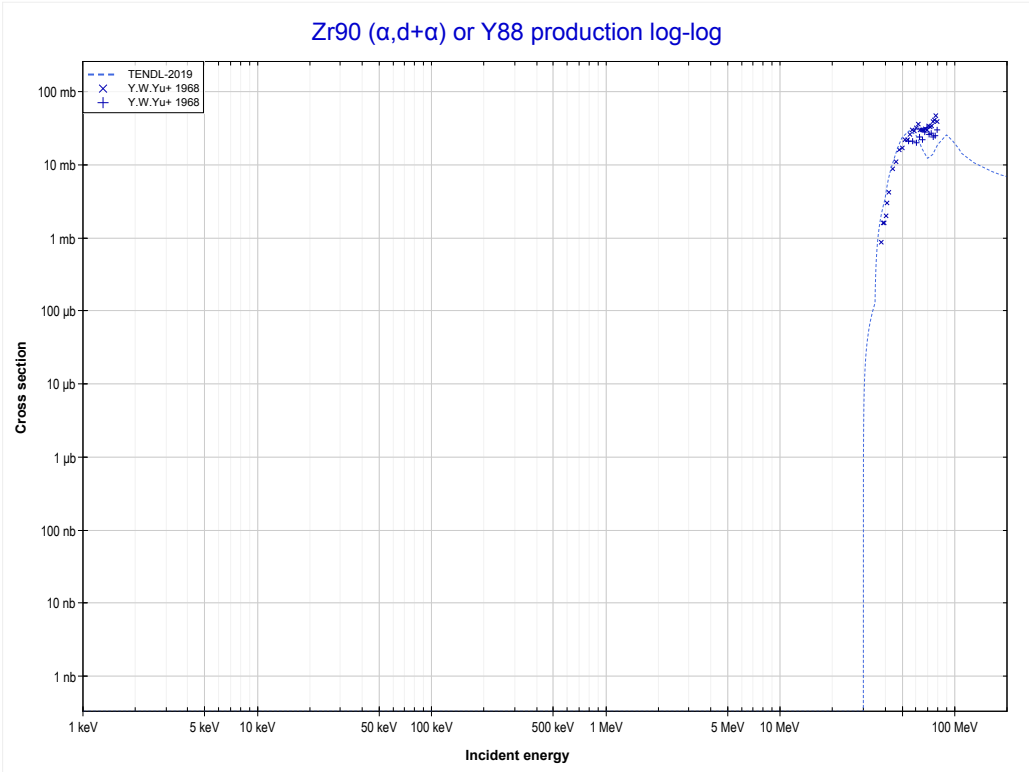
Reaction	Q-Value
Zr90($\alpha,n+t$)Nb90	-26706.75 keV
Zr90($\alpha,2n+d$)Nb90	-32963.98 keV
Zr90($\alpha,3n+p$)Nb90	-35188.55 keV

<< 34-Se-76	40-Zr-90	42-Mo-92 >>
<< MT42 ($\alpha,3n+p$)	MT45 ($\alpha,n+p+\alpha$) or MT5 (Y88 production)	MT117 ($\alpha,d+\alpha$) >>



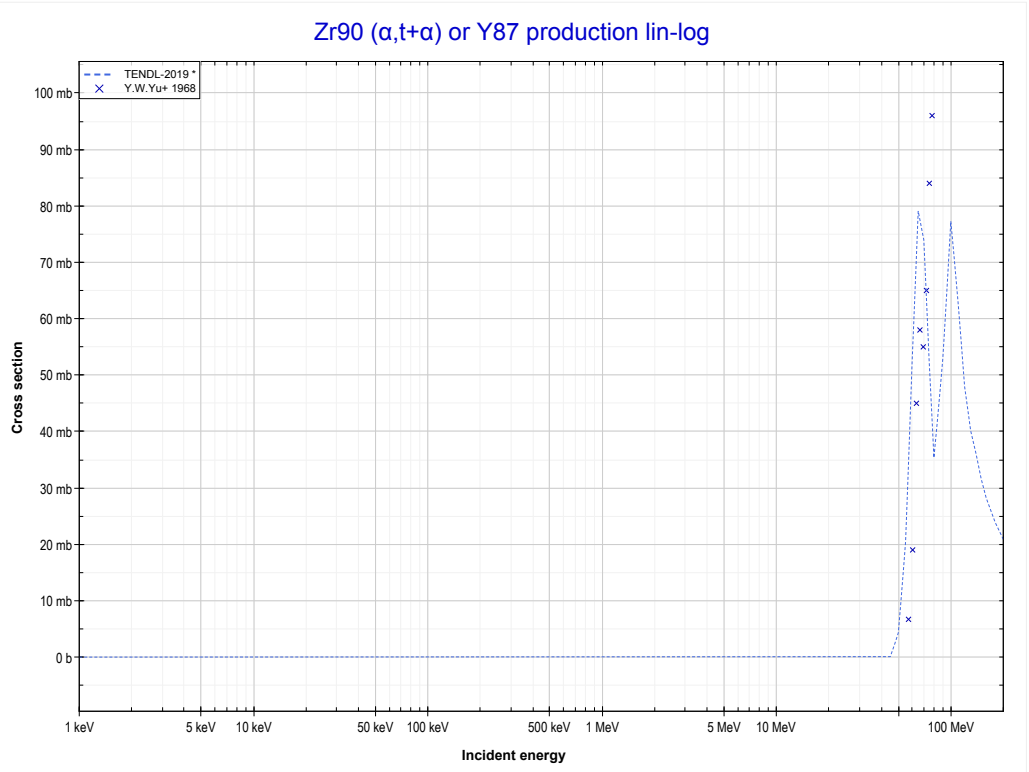
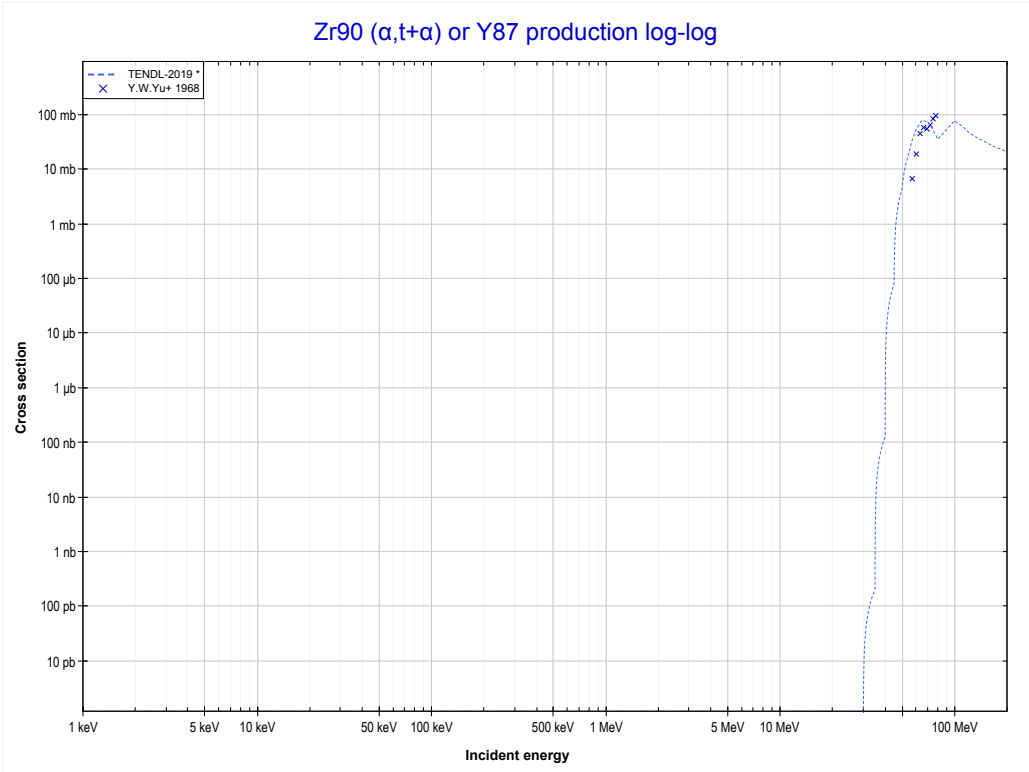
Reaction	Q-Value	Reaction	Q-Value
Zr90($\alpha,d+\alpha$)Y88	-17609.26 keV	Zr90($\alpha,n+p+2d$)Y88	-43680.36 keV
Zr90($\alpha,n+p+\alpha$)Y88	-19833.83 keV	Zr90($\alpha,2n+2p+d$)Y88	-45904.92 keV
Zr90($\alpha,t+\text{He3}$)Y88	-31929.65 keV	Zr90($\alpha,3n+3p$)Y88	-48129.49 keV
Zr90($\alpha,p+d+t$)Y88	-37423.13 keV		
Zr90($\alpha,n+d+\text{He3}$)Y88	-38186.88 keV		
Zr90($\alpha,n+2p+t$)Y88	-39647.69 keV		
Zr90($\alpha,2n+p+\text{He3}$)Y88	-40411.45 keV		
Zr90($\alpha,3d$)Y88	-41455.79 keV		

<< 34-Se-76	40-Zr-90	42-Mo-92 >>
<< MT45 (α,n+p+α)	MT117 (α,d+α) or MT5 (Y88 production)	MT155 (α,t+α) >>



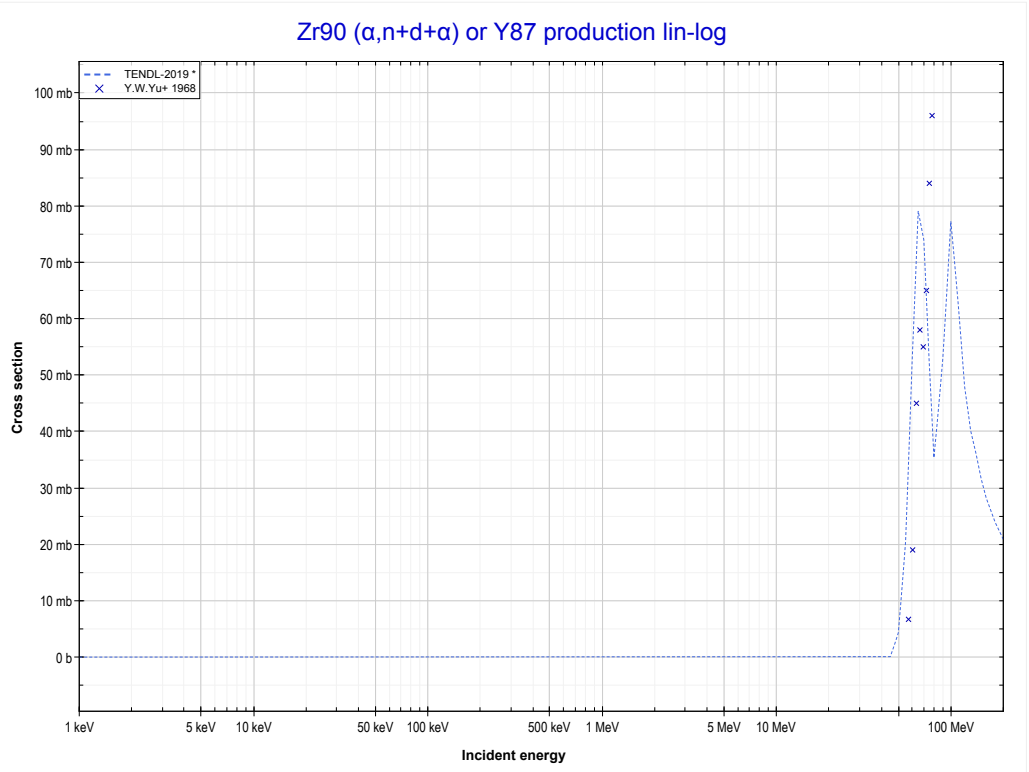
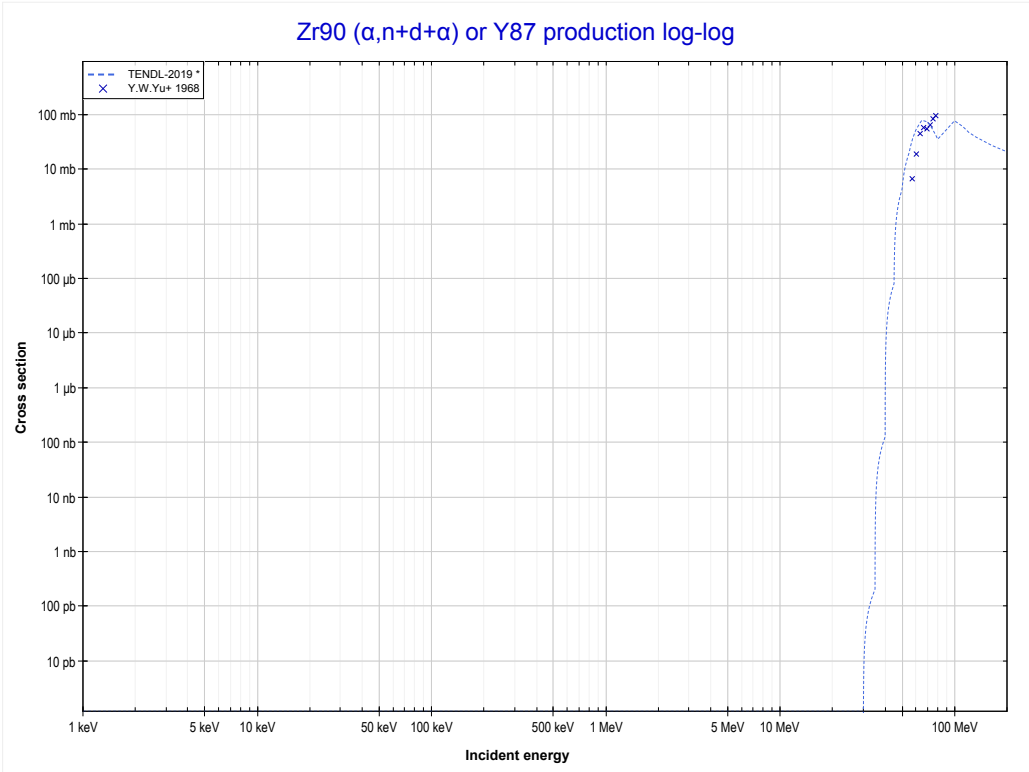
Reaction	Q-Value	Reaction	Q-Value
Zr90(α,d+α)Y88	-17609.26 keV	Zr90(α,n+p+2d)Y88	-43680.36 keV
Zr90(α,n+p+α)Y88	-19833.83 keV	Zr90(α,2n+2p+d)Y88	-45904.92 keV
Zr90(α,t+He3)Y88	-31929.65 keV	Zr90(α,3n+3p)Y88	-48129.49 keV
Zr90(α,p+d+t)Y88	-37423.13 keV		
Zr90(α,n+d+He3)Y88	-38186.88 keV		
Zr90(α,n+2p+t)Y88	-39647.69 keV		
Zr90(α,2n+p+He3)Y88	-40411.45 keV		
Zr90(α,3d)Y88	-41455.79 keV		

<< 28-Ni-58	40-Zr-90	
<< MT117 (α,d+α)	MT155 (α,t+α) or MT5 (Y87 production)	MT158 (α,n+d+α) >>



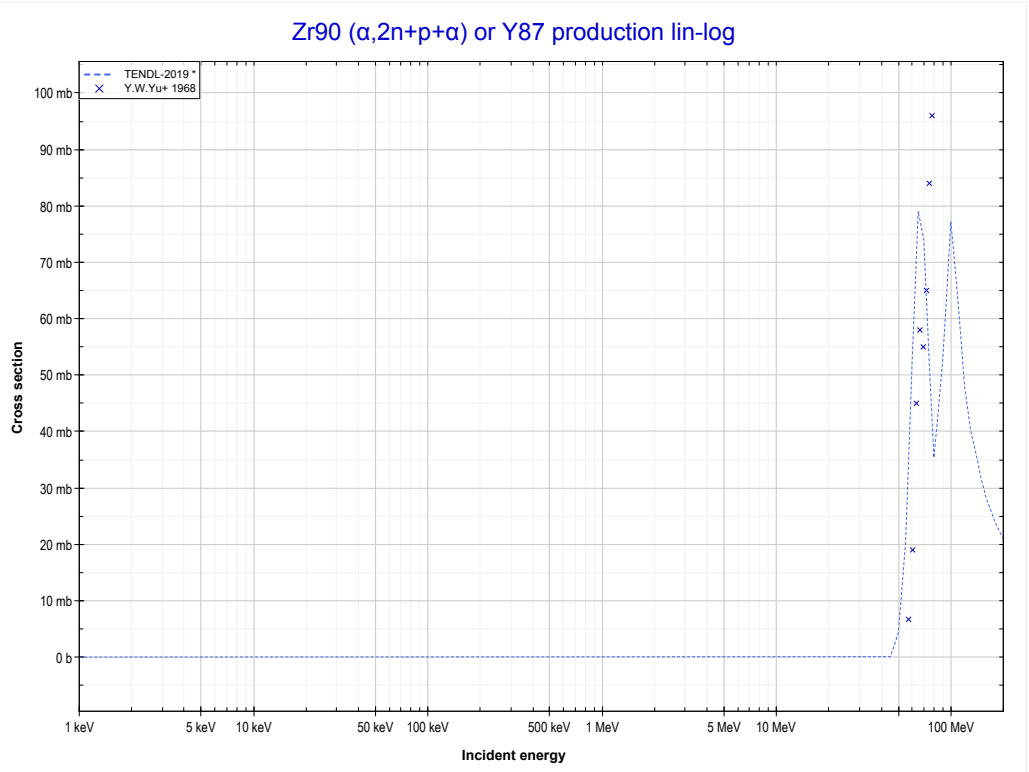
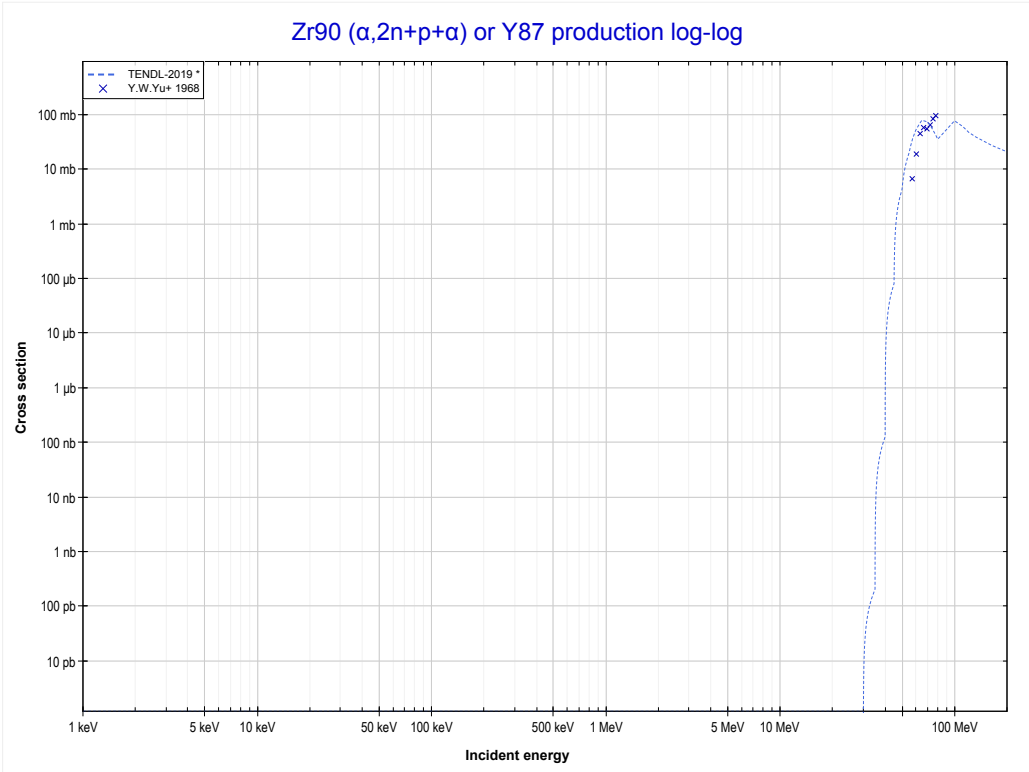
Reaction	Q-Value	Reaction	Q-Value
Zr90(α,t+α)Y87	-20703.95 keV	Zr90(α,2n+2p+t)Y87	-48999.61 keV
Zr90(α,n+d+α)Y87	-26961.18 keV	Zr90(α,3n+p+He3)Y87	-49763.36 keV
Zr90(α,2n+p+α)Y87	-29185.74 keV	Zr90(α,n+3d)Y87	-50807.71 keV
Zr90(α,p+2t)Y87	-40517.81 keV	Zr90(α,2n+p+2d)Y87	-53032.27 keV
Zr90(α,n+t+He3)Y87	-41281.57 keV	Zr90(α,3n+2p+d)Y87	-55256.84 keV
Zr90(α,2d+t)Y87	-44550.48 keV	Zr90(α,4n+3p)Y87	-57481.40 keV
Zr90(α,n+p+d+t)Y87	-46775.04 keV		
Zr90(α,2n+d+He3)Y87	-47538.80 keV		

<< 28-Ni-58	40-Zr-90	
<< MT155 ($\alpha,t+\alpha$)	MT158 ($\alpha,n+d+\alpha$) or MT5 (Y87 production)	MT159 ($\alpha,2n+p+\alpha$) >>



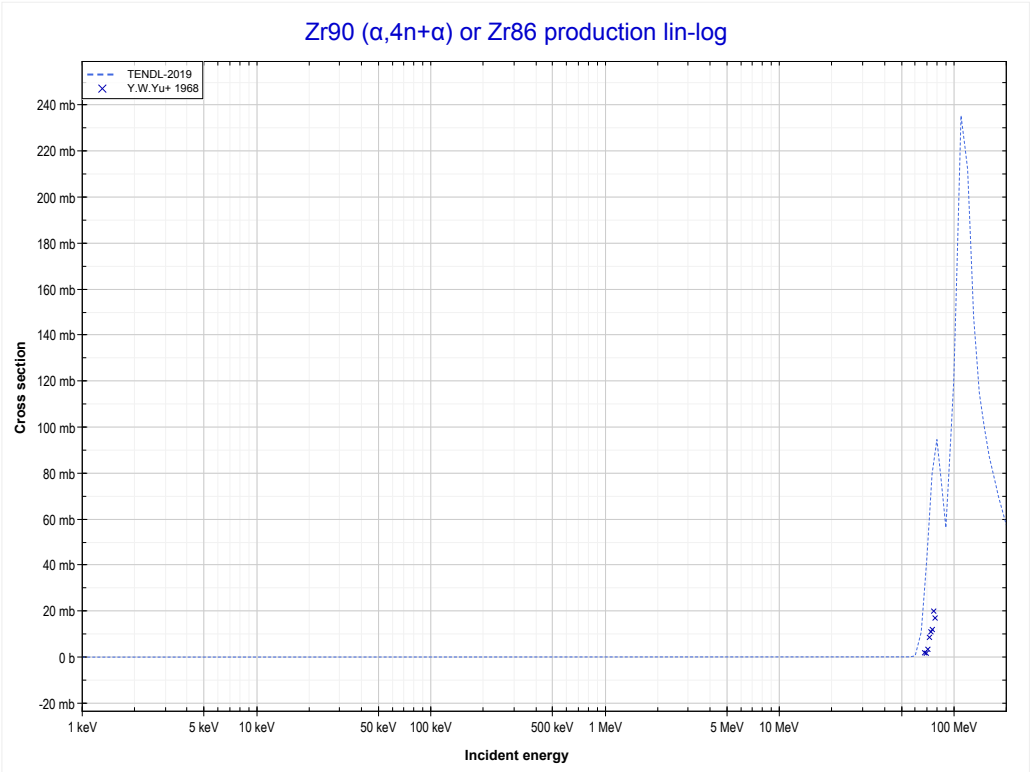
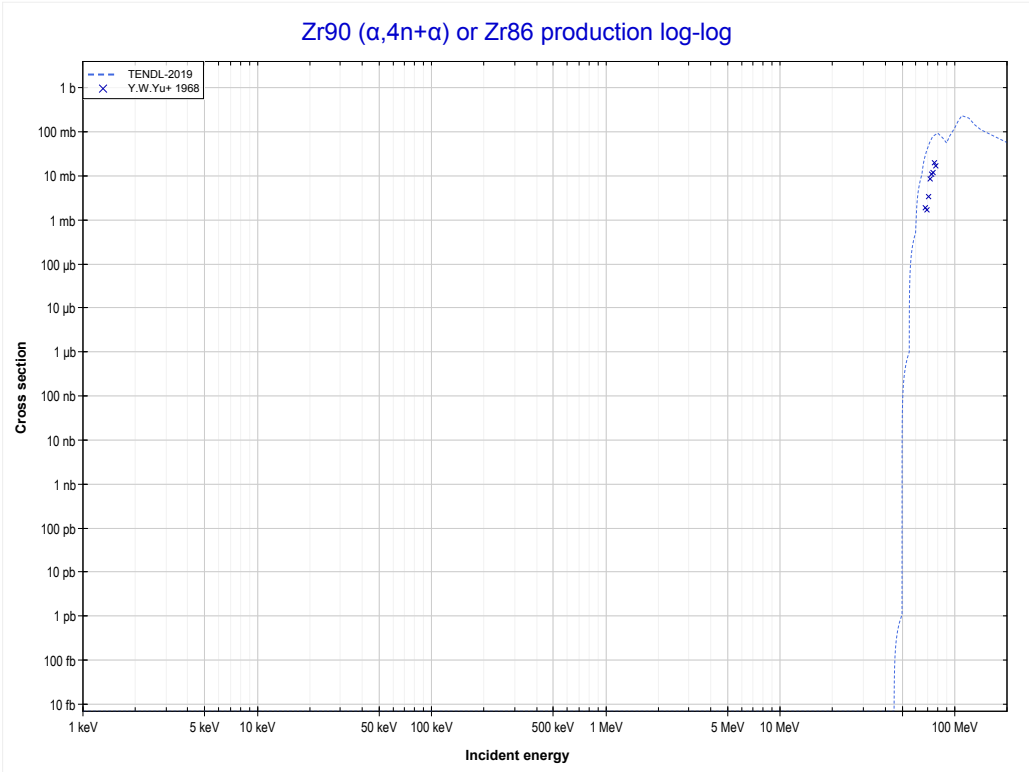
Reaction	Q-Value	Reaction	Q-Value
Zr90($\alpha,t+\alpha$)Y87	-20703.95 keV	Zr90($\alpha,2n+2p+t$)Y87	-48999.61 keV
Zr90($\alpha,n+d+\alpha$)Y87	-26961.18 keV	Zr90($\alpha,3n+p+He3$)Y87	-49763.36 keV
Zr90($\alpha,2n+p+\alpha$)Y87	-29185.74 keV	Zr90($\alpha,n+3d$)Y87	-50807.71 keV
Zr90($\alpha,p+2t$)Y87	-40517.81 keV	Zr90($\alpha,2n+p+2d$)Y87	-53032.27 keV
Zr90($\alpha,n+t+He3$)Y87	-41281.57 keV	Zr90($\alpha,3n+2p+d$)Y87	-55256.84 keV
Zr90($\alpha,2d+t$)Y87	-44550.48 keV	Zr90($\alpha,4n+3p$)Y87	-57481.40 keV
Zr90($\alpha,n+p+d+t$)Y87	-46775.04 keV		
Zr90($\alpha,2n+d+He3$)Y87	-47538.80 keV		

<< 28-Ni-58	40-Zr-90	
<< MT158 ($\alpha,n+d+\alpha$)	MT159 ($\alpha,2n+p+\alpha$) or MT5 (Y87 production)	MT165 ($\alpha,4n+\alpha$) >>



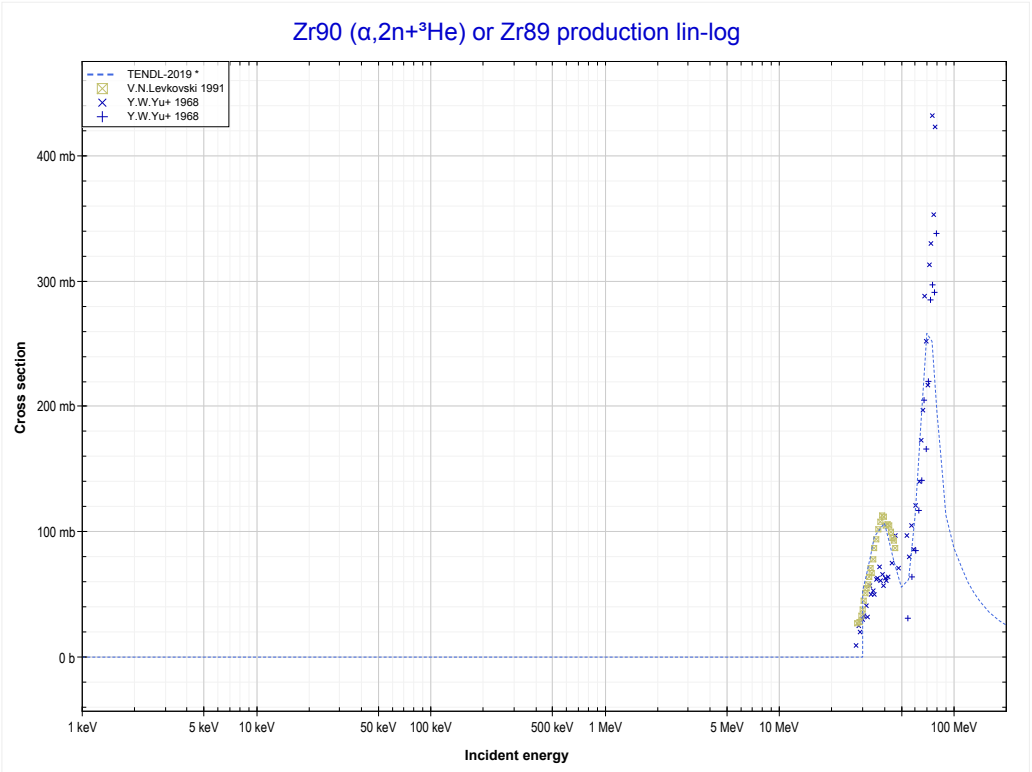
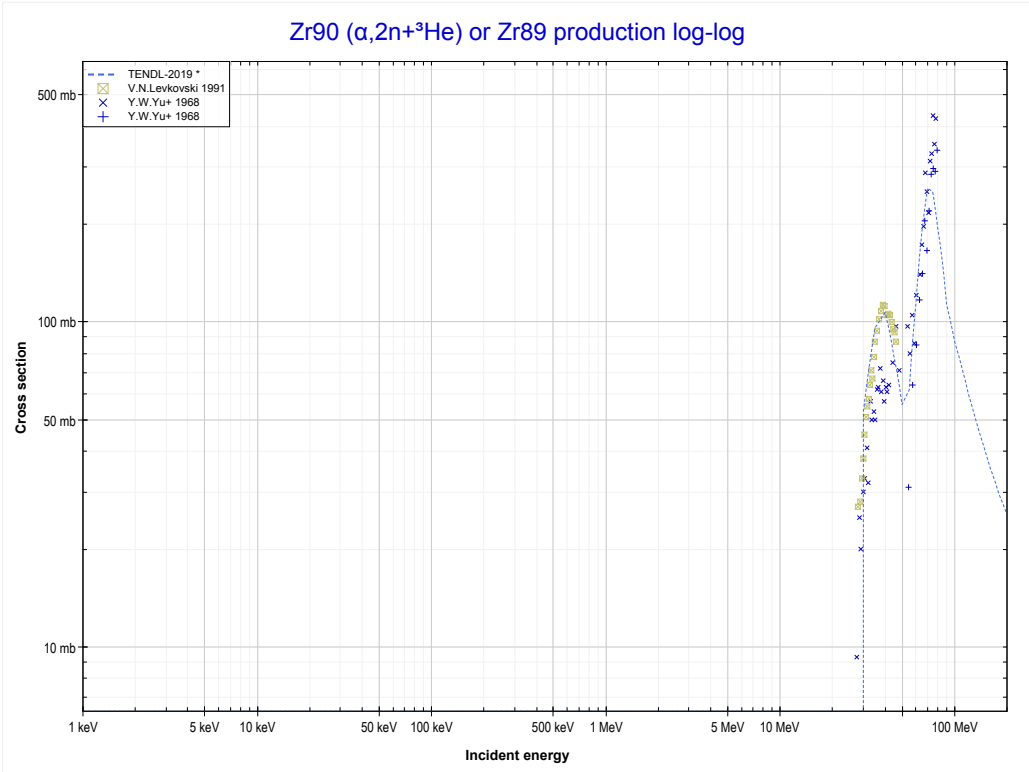
Reaction	Q-Value	Reaction	Q-Value
Zr90($\alpha,t+\alpha$)Y87	-20703.95 keV	Zr90($\alpha,2n+2p+t$)Y87	-48999.61 keV
Zr90($\alpha,n+d+\alpha$)Y87	-26961.18 keV	Zr90($\alpha,3n+p+He3$)Y87	-49763.36 keV
Zr90($\alpha,2n+p+\alpha$)Y87	-29185.74 keV	Zr90($\alpha,n+3d$)Y87	-50807.71 keV
Zr90($\alpha,p+2t$)Y87	-40517.81 keV	Zr90($\alpha,2n+p+2d$)Y87	-53032.27 keV
Zr90($\alpha,n+t+He3$)Y87	-41281.57 keV	Zr90($\alpha,3n+2p+d$)Y87	-55256.84 keV
Zr90($\alpha,2d+t$)Y87	-44550.48 keV	Zr90($\alpha,4n+3p$)Y87	-57481.40 keV
Zr90($\alpha,n+p+d+t$)Y87	-46775.04 keV		
Zr90($\alpha,2n+d+He3$)Y87	-47538.80 keV		

<< 27-Co-59	40-Zr-90	41-Nb-93 >>
<< MT159 ($\alpha,2n+p+\alpha$)	MT165 ($\alpha,4n+\alpha$) or MT5 (Zr86 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



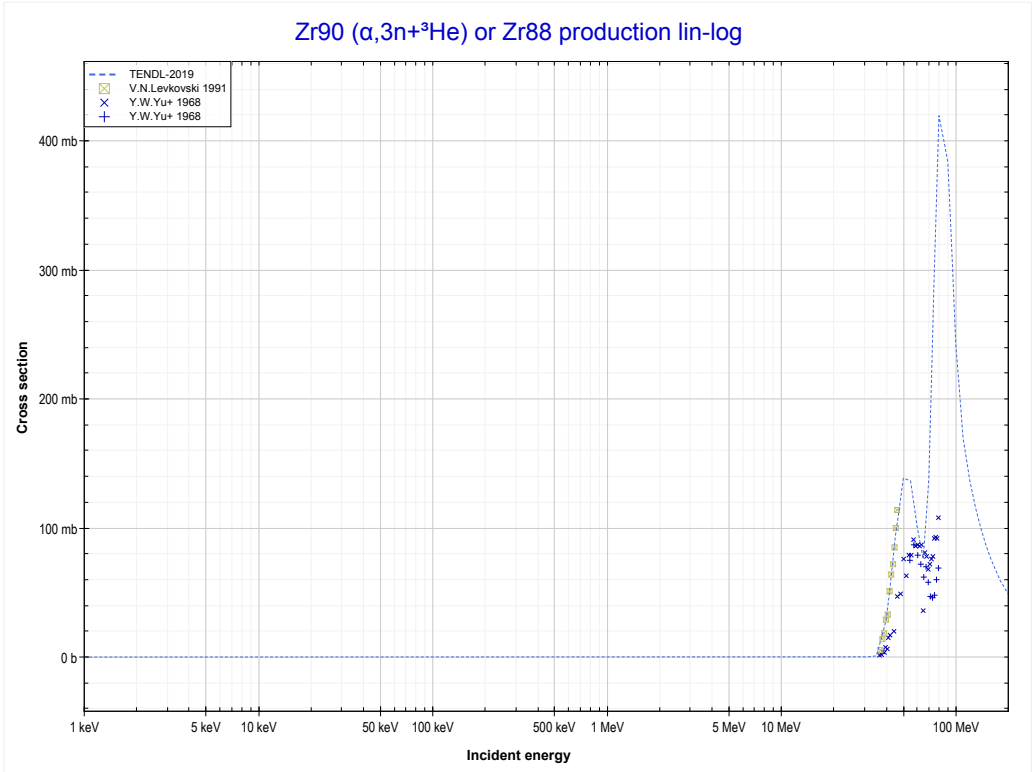
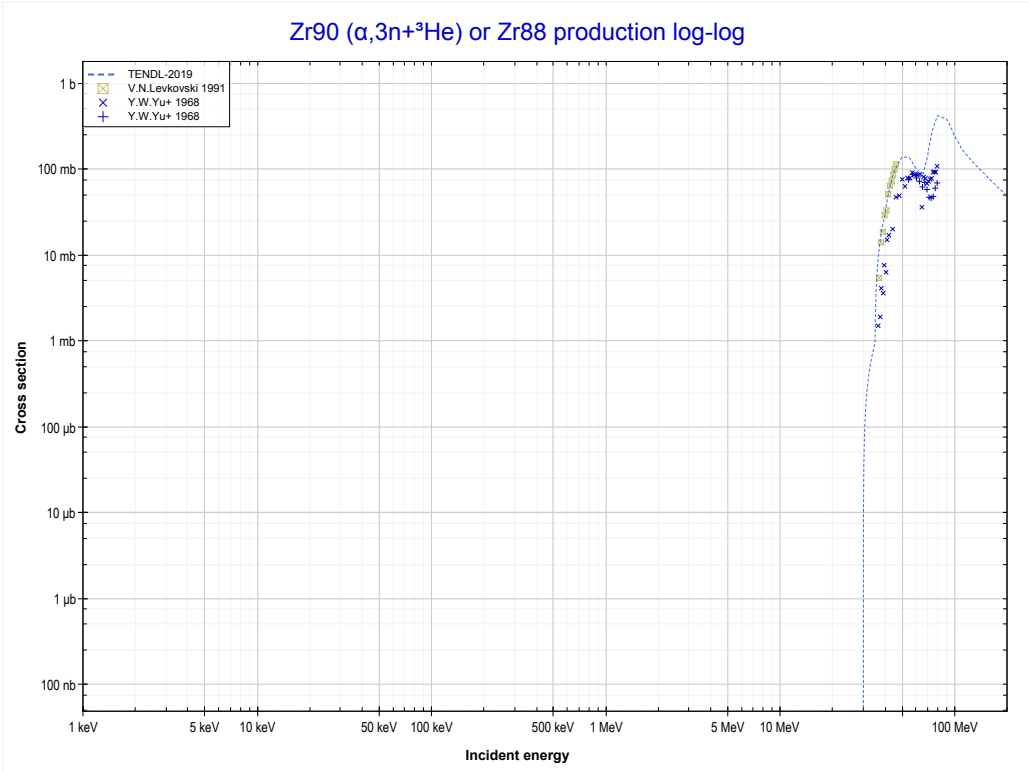
Reaction	Q-Value
Zr90($\alpha,4n+\alpha$)Zr86	-43088.81 keV
Zr90($\alpha,2n+2t$)Zr86	-54420.88 keV
Zr90($\alpha,3n+d+t$)Zr86	-60678.11 keV
Zr90($\alpha,4n+p+t$)Zr86	-62902.67 keV
Zr90($\alpha,5n+\text{He3}$)Zr86	-63666.43 keV
Zr90($\alpha,4n+2d$)Zr86	-66935.34 keV
Zr90($\alpha,5n+p+d$)Zr86	-69159.90 keV
Zr90($\alpha,6n+2p$)Zr86	-71384.47 keV

<< 39-Y-89	40-Zr-90	40-Zr-96 >>
<< MT165 ($\alpha,4n+\alpha$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Zr89 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



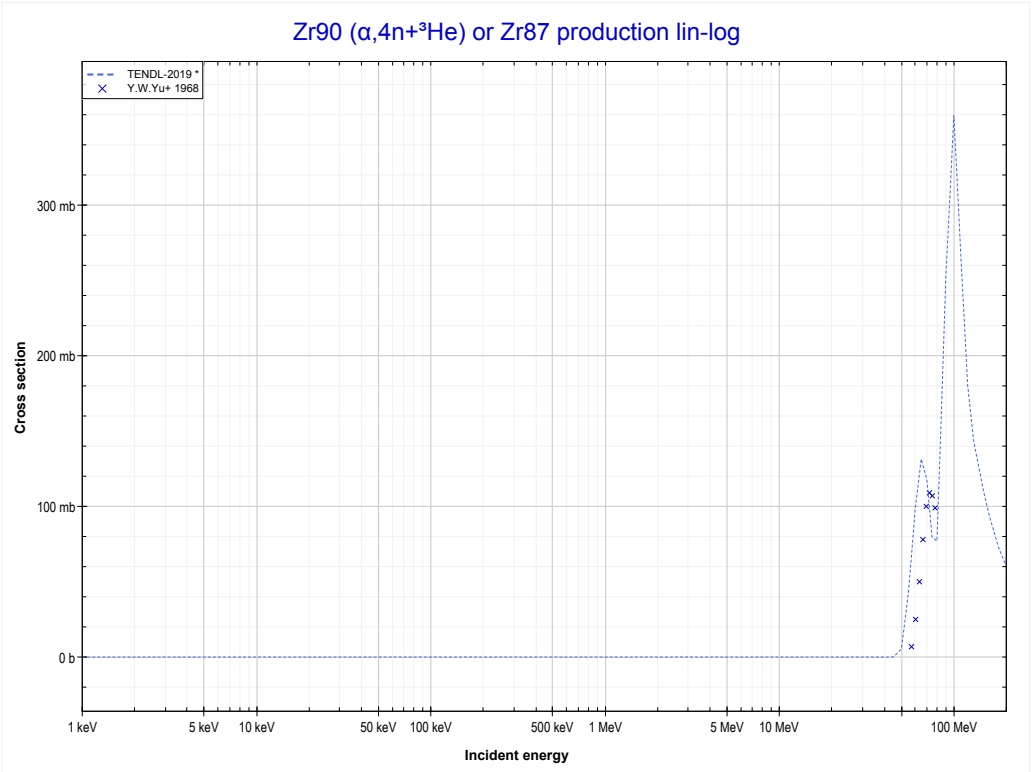
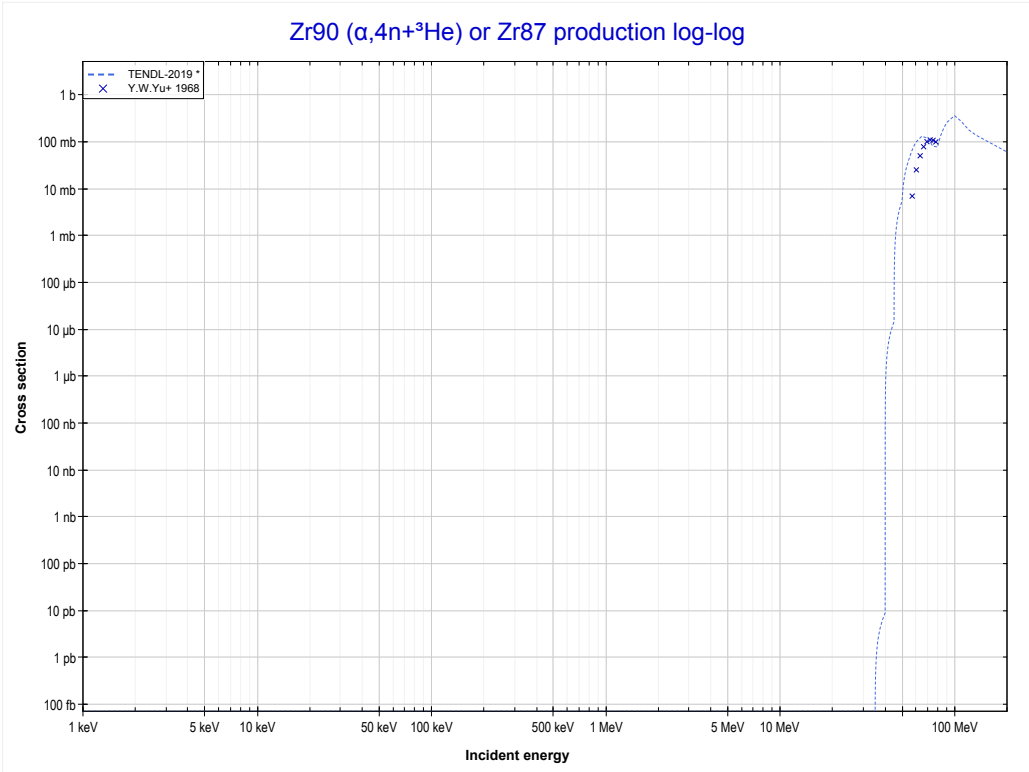
Reaction	Q-Value
Zr90($\alpha,n+\alpha$)Zr89	-11967.86 keV
Zr90($\alpha,d+t$)Zr89	-29557.16 keV
Zr90($\alpha,n+p+t$)Zr89	-31781.72 keV
Zr90($\alpha,2n+\text{He3}$)Zr89	-32545.48 keV
Zr90($\alpha,n+2d$)Zr89	-35814.38 keV
Zr90($\alpha,2n+p+d$)Zr89	-38038.95 keV
Zr90($\alpha,3n+2p$)Zr89	-40263.52 keV

<< 39-Y-89	40-Zr-90	42-Mo-92 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Zr88 production)	MT178 ($\alpha,4n+^3\text{He}$) >>



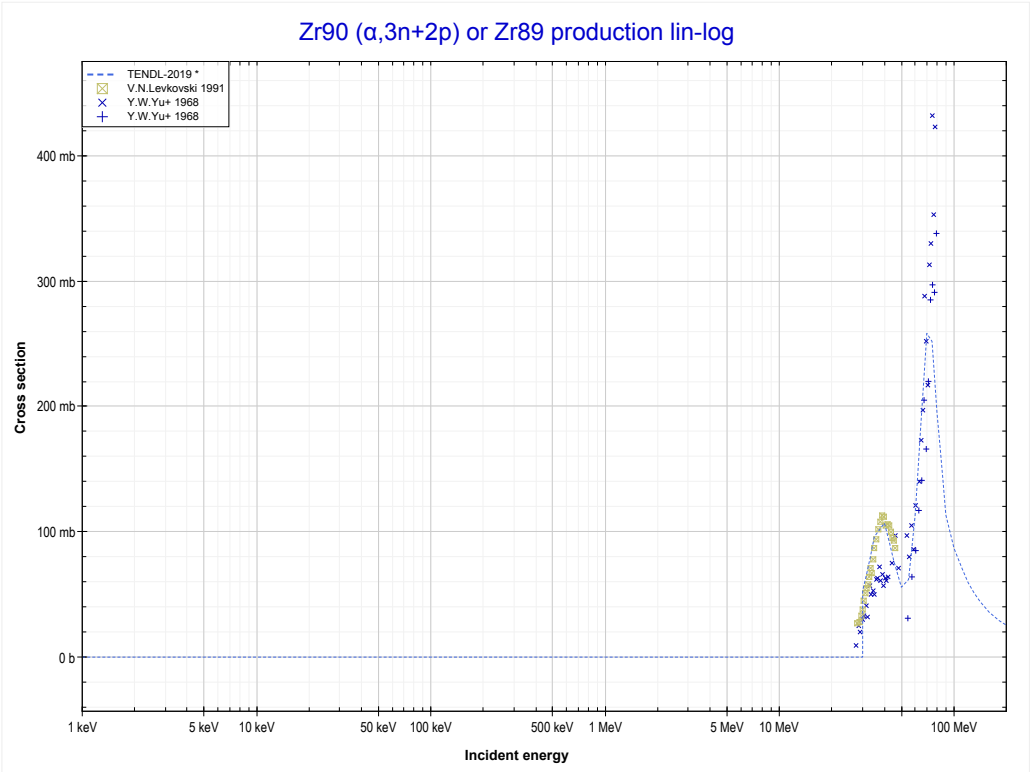
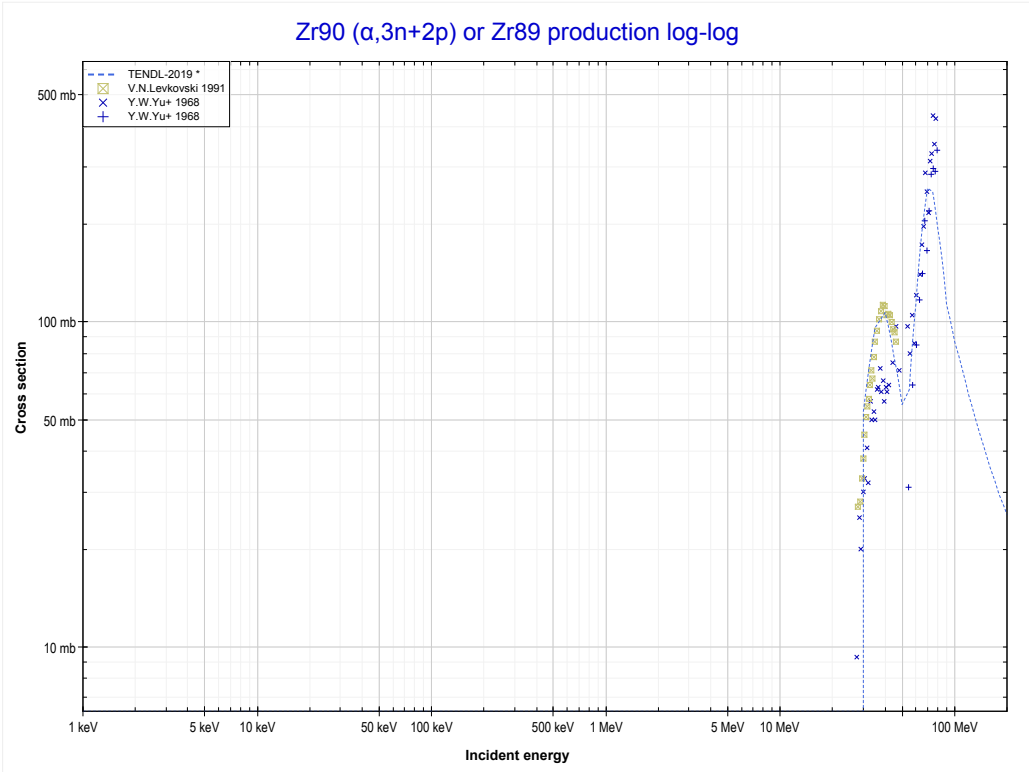
Reaction	Q-Value
Zr90($\alpha,2n+\alpha$)Zr88	-21286.17 keV
Zr90($\alpha,2t$)Zr88	-32618.24 keV
Zr90($\alpha,n+d+t$)Zr88	-38875.47 keV
Zr90($\alpha,2n+p+t$)Zr88	-41100.04 keV
Zr90($\alpha,3n+^3\text{He}$)Zr88	-41863.79 keV
Zr90($\alpha,2n+2d$)Zr88	-45132.70 keV
Zr90($\alpha,3n+p+d$)Zr88	-47357.27 keV
Zr90($\alpha,4n+2p$)Zr88	-49581.83 keV

<< 27-Co-59	40-Zr-90	41-Nb-93 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT178 ($\alpha,4n+^3\text{He}$) or MT5 (Zr87 production)	MT179 ($\alpha,3n+2p$) >>



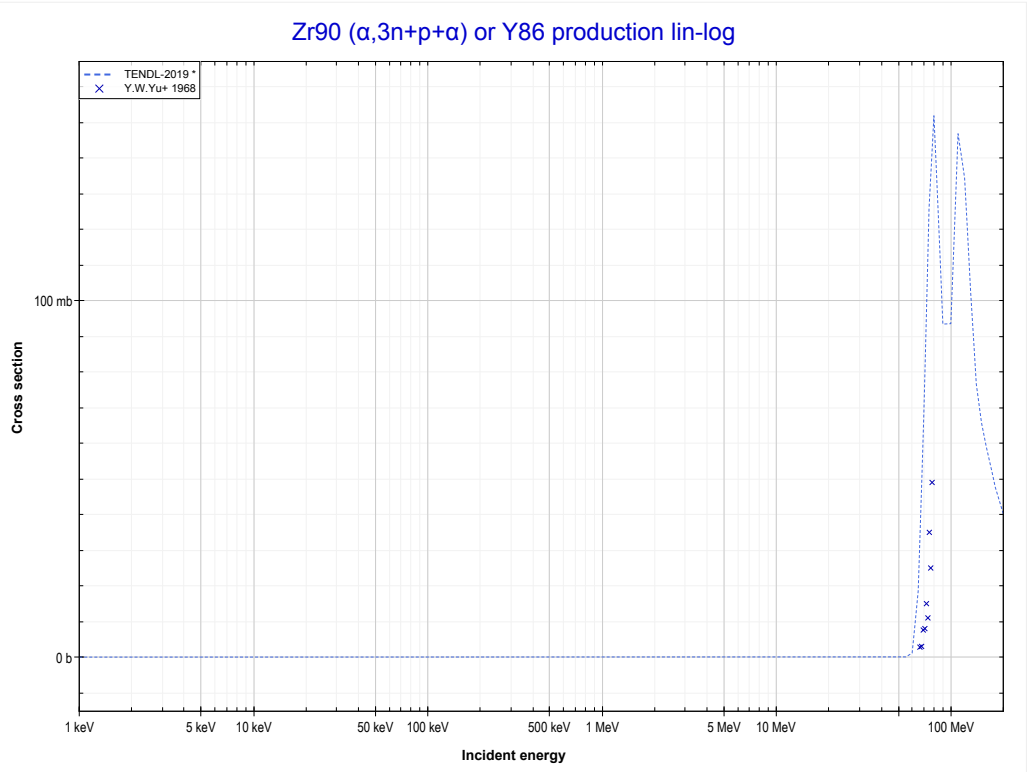
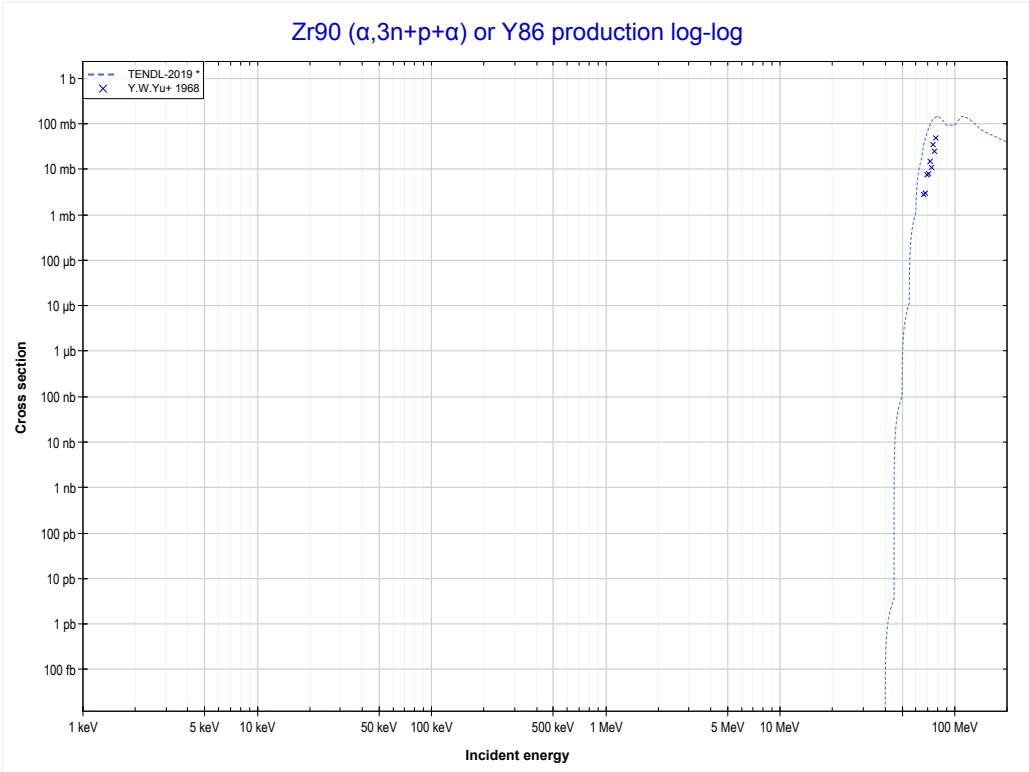
Reaction	Q-Value
Zr90($\alpha,3n+\alpha$)Zr87	-33639.49 keV
Zr90($\alpha,n+2t$)Zr87	-44971.56 keV
Zr90($\alpha,2n+d+t$)Zr87	-51228.79 keV
Zr90($\alpha,3n+p+t$)Zr87	-53453.36 keV
Zr90($\alpha,4n+\text{He3}$)Zr87	-54217.11 keV
Zr90($\alpha,3n+2d$)Zr87	-57486.02 keV
Zr90($\alpha,4n+p+d$)Zr87	-59710.59 keV
Zr90($\alpha,5n+2p$)Zr87	-61935.15 keV

<< 39-Y-89	40-Zr-90	40-Zr-96 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Zr89 production)	MT181 ($\alpha,3n+p+\alpha$) >>



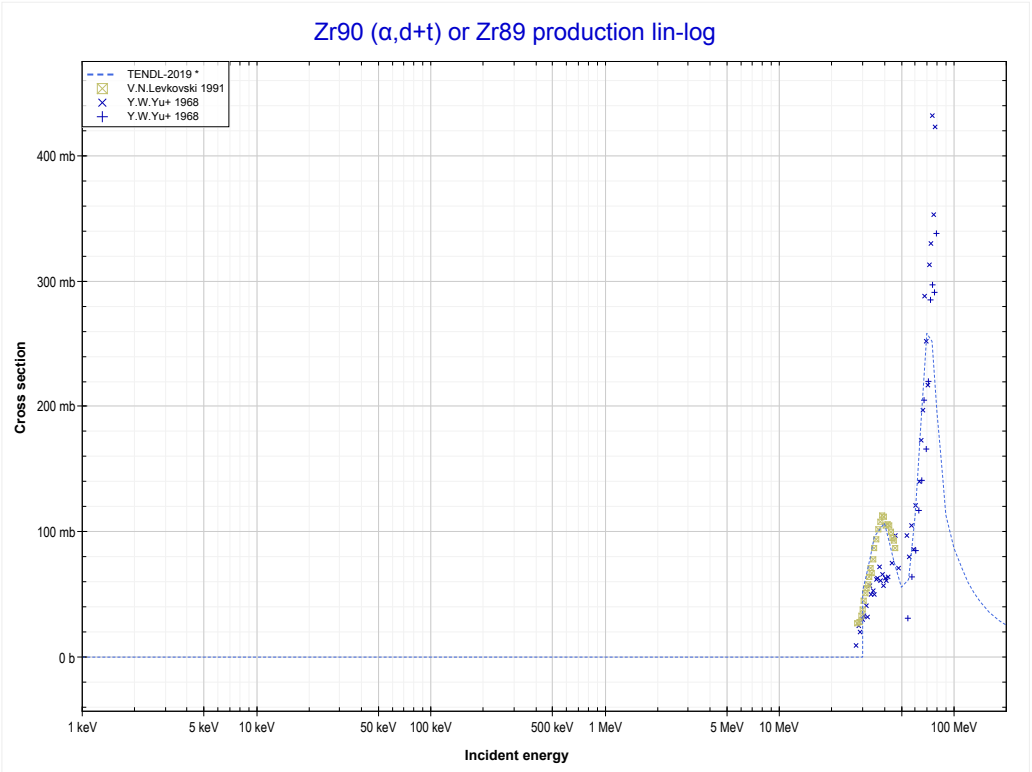
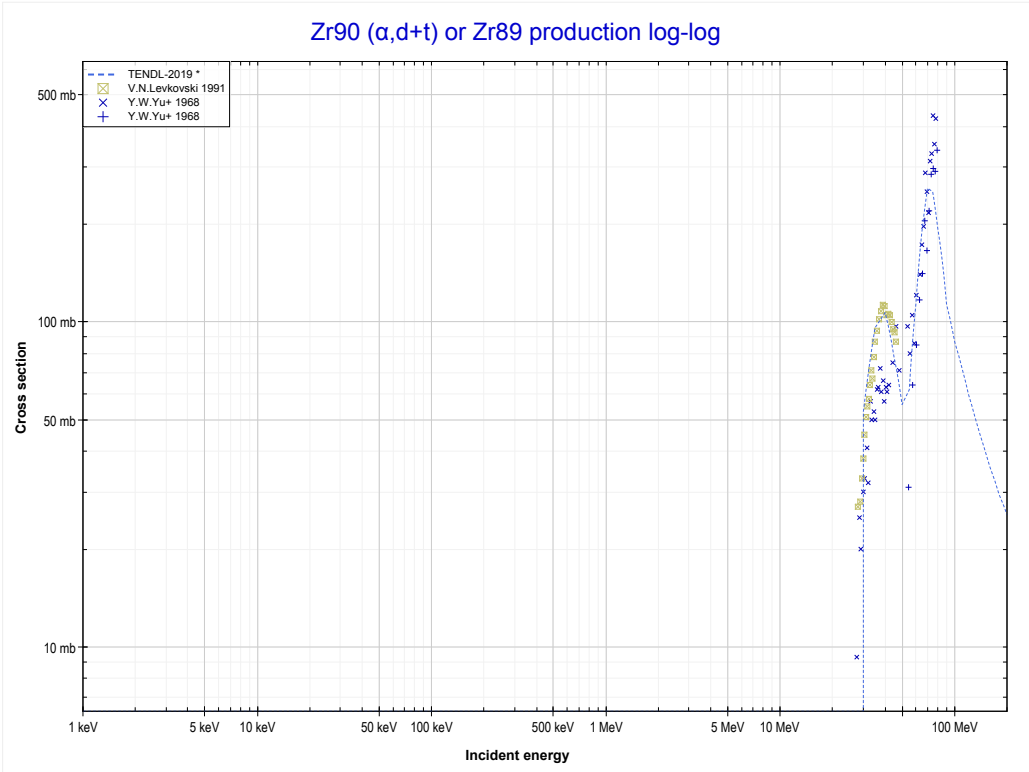
Reaction	Q-Value
Zr90($\alpha,n+\alpha$)Zr89	-11967.86 keV
Zr90($\alpha,d+t$)Zr89	-29557.16 keV
Zr90($\alpha,n+p+t$)Zr89	-31781.72 keV
Zr90($\alpha,2n+^3\text{He}$)Zr89	-32545.48 keV
Zr90($\alpha,n+2d$)Zr89	-35814.38 keV
Zr90($\alpha,2n+p+d$)Zr89	-38038.95 keV
Zr90($\alpha,3n+2p$)Zr89	-40263.52 keV

<< 7-N-14	40-Zr-90	41-Nb-93 >>
<< MT179 ($\alpha,3n+2p$)	MT181 ($\alpha,3n+p+\alpha$) or MT5 (Y86 production)	MT182 ($\alpha,d+t$) >>



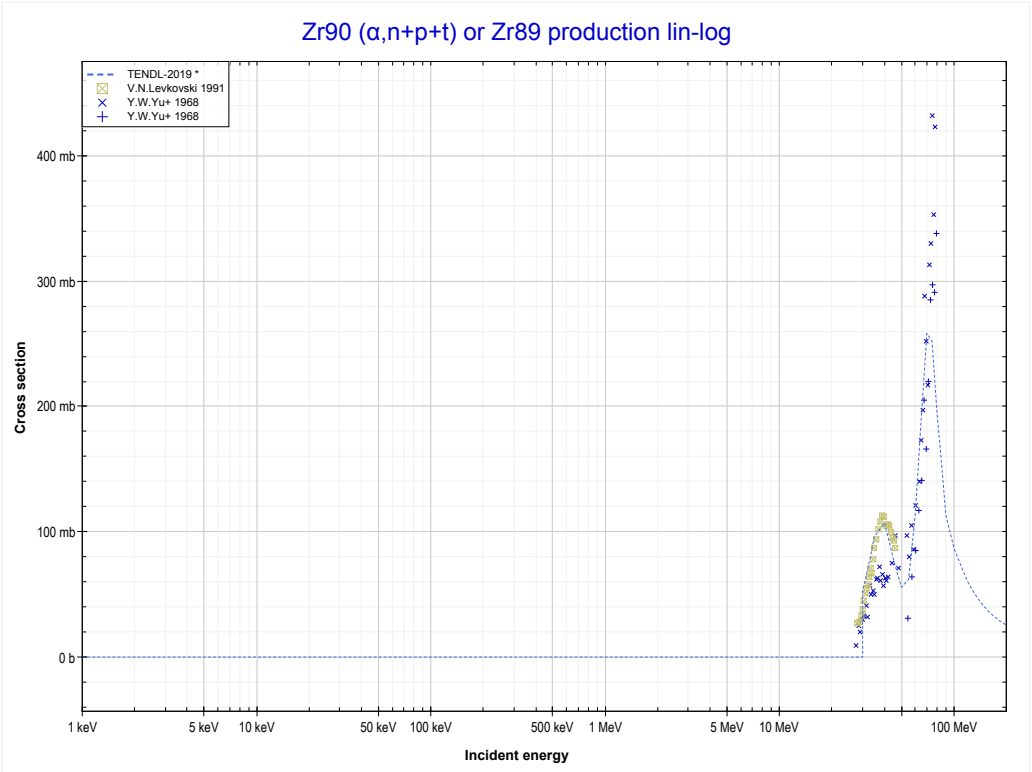
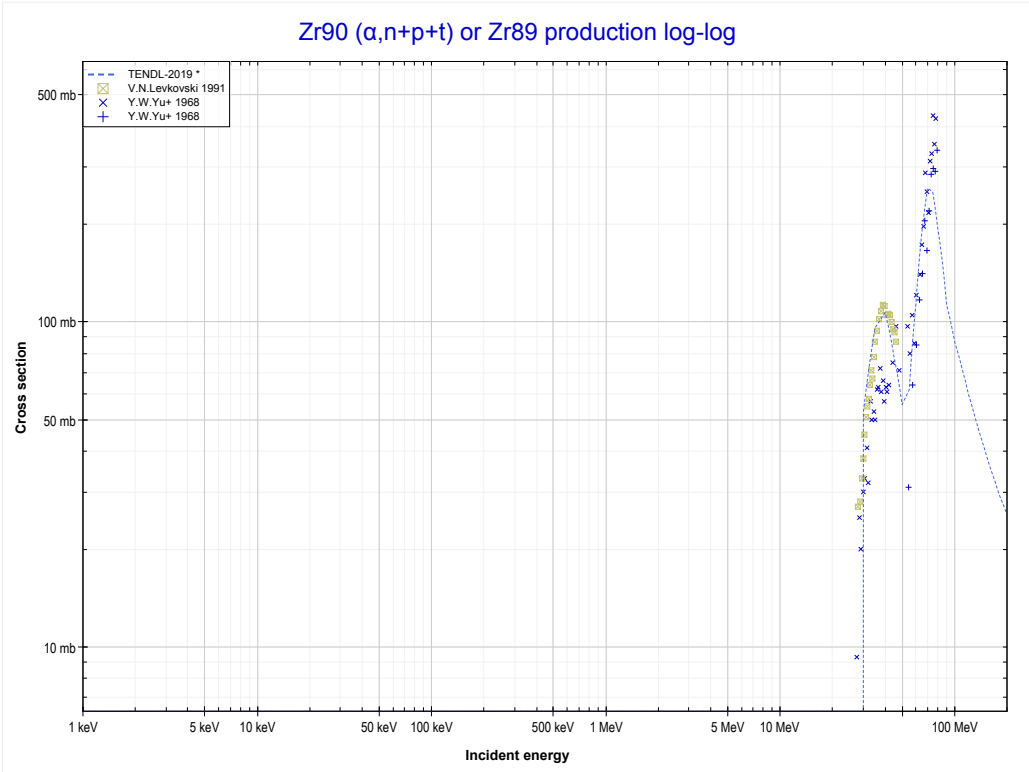
Reaction	Q-Value	Reaction	Q-Value
Zr90($\alpha,n+t+\alpha$)Y86	-32510.67 keV	Zr90($\alpha,3n+d+\text{He3}$)Y86	-59345.52 keV
Zr90($\alpha,2n+d+\alpha$)Y86	-38767.90 keV	Zr90($\alpha,3n+2p+t$)Y86	-60806.33 keV
Zr90($\alpha,3n+p+\alpha$)Y86	-40992.46 keV	Zr90($\alpha,4n+p+\text{He3}$)Y86	-61570.08 keV
Zr90($\alpha,d+2t$)Y86	-50099.97 keV	Zr90($\alpha,2n+3d$)Y86	-62614.42 keV
Zr90($\alpha,n+p+2t$)Y86	-52324.53 keV	Zr90($\alpha,3n+p+2d$)Y86	-64838.99 keV
Zr90($\alpha,2n+t+\text{He3}$)Y86	-53088.29 keV	Zr90($\alpha,4n+2p+d$)Y86	-67063.56 keV
Zr90($\alpha,n+2d+t$)Y86	-56357.19 keV	Zr90($\alpha,5n+3p$)Y86	-69288.12 keV
Zr90($\alpha,2n+p+d+t$)Y86	-58581.76 keV		

<< 39-Y-89	40-Zr-90	40-Zr-96 >>
<< MT181 ($\alpha,3n+p+\alpha$)	MT182 ($\alpha,d+t$) or MT5 (Zr89 production)	MT184 ($\alpha,n+p+t$) >>



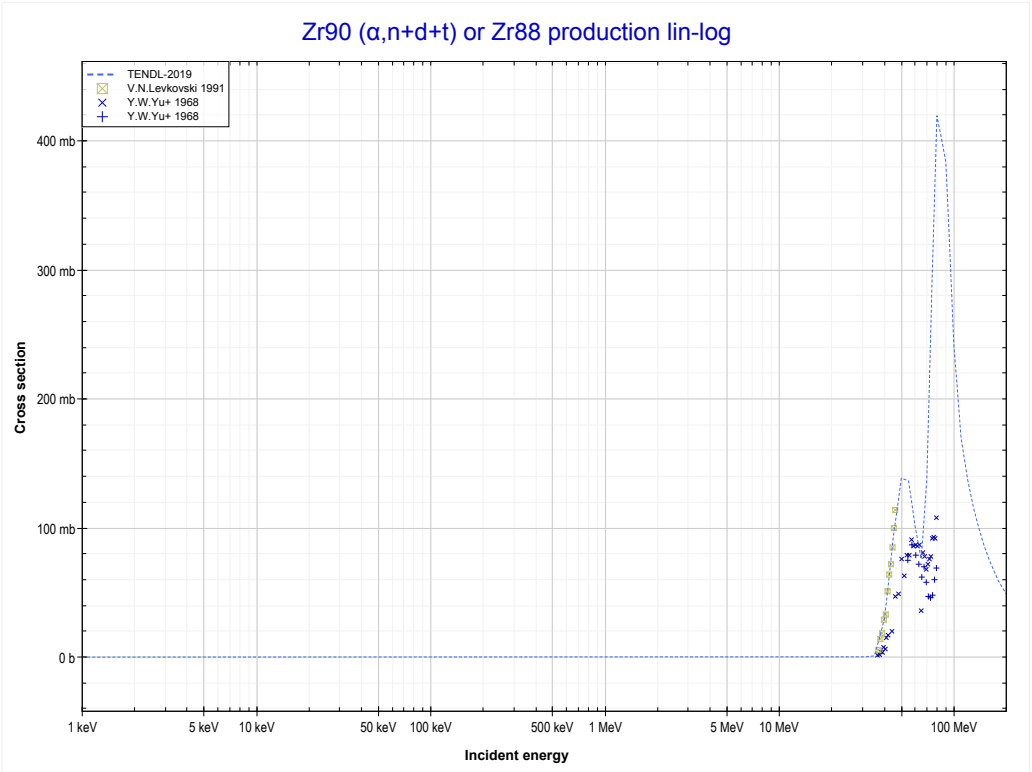
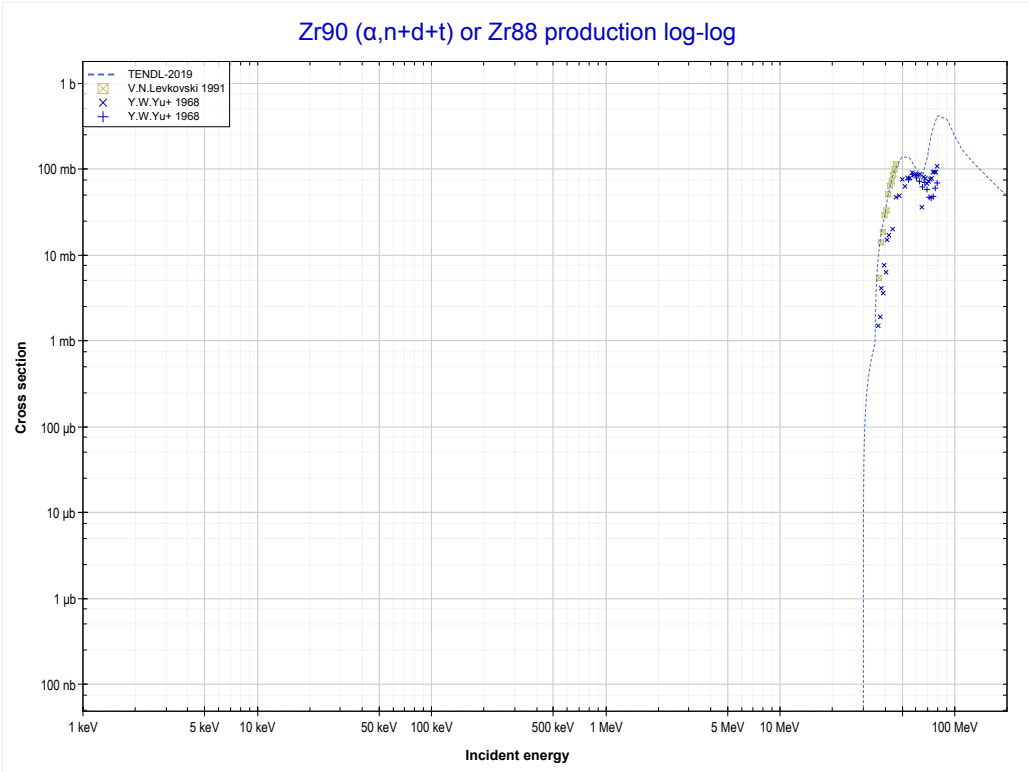
Reaction	Q-Value
Zr90($\alpha,n+\alpha$)Zr89	-11967.86 keV
Zr90($\alpha,d+t$)Zr89	-29557.16 keV
Zr90($\alpha,n+p+t$)Zr89	-31781.72 keV
Zr90($\alpha,2n+He3$)Zr89	-32545.48 keV
Zr90($\alpha,n+2d$)Zr89	-35814.38 keV
Zr90($\alpha,2n+p+d$)Zr89	-38038.95 keV
Zr90($\alpha,3n+2p$)Zr89	-40263.52 keV

<< 39-Y-89	40-Zr-90	40-Zr-96 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Zr89 production)	MT185 (α,n+d+t) >>



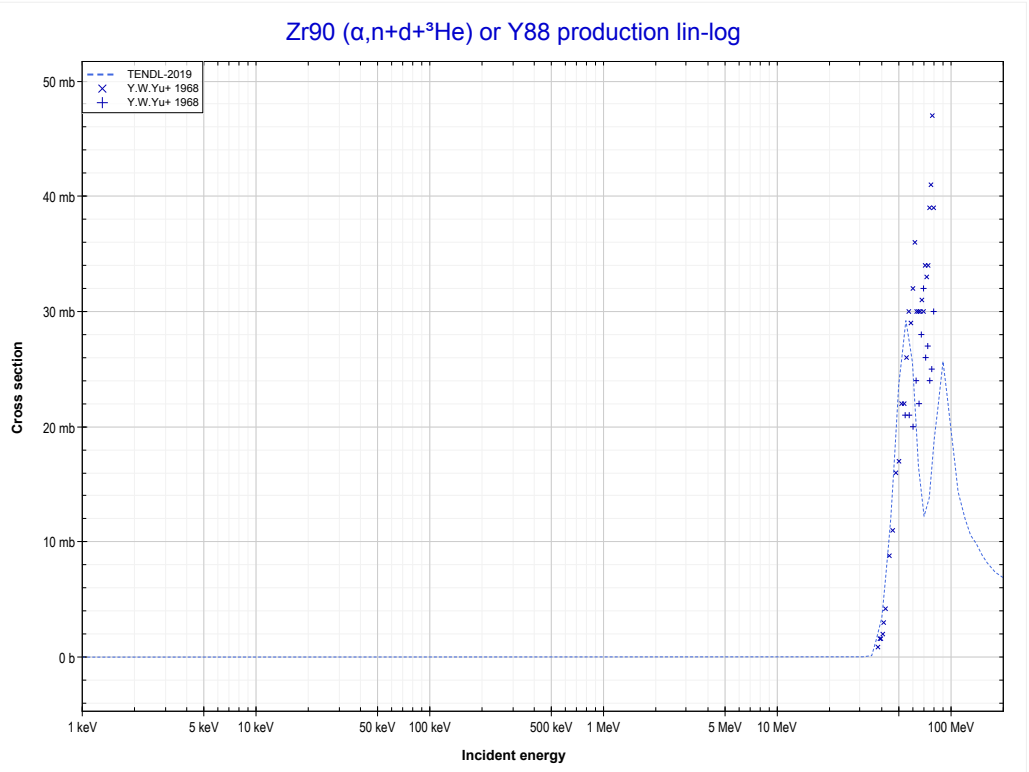
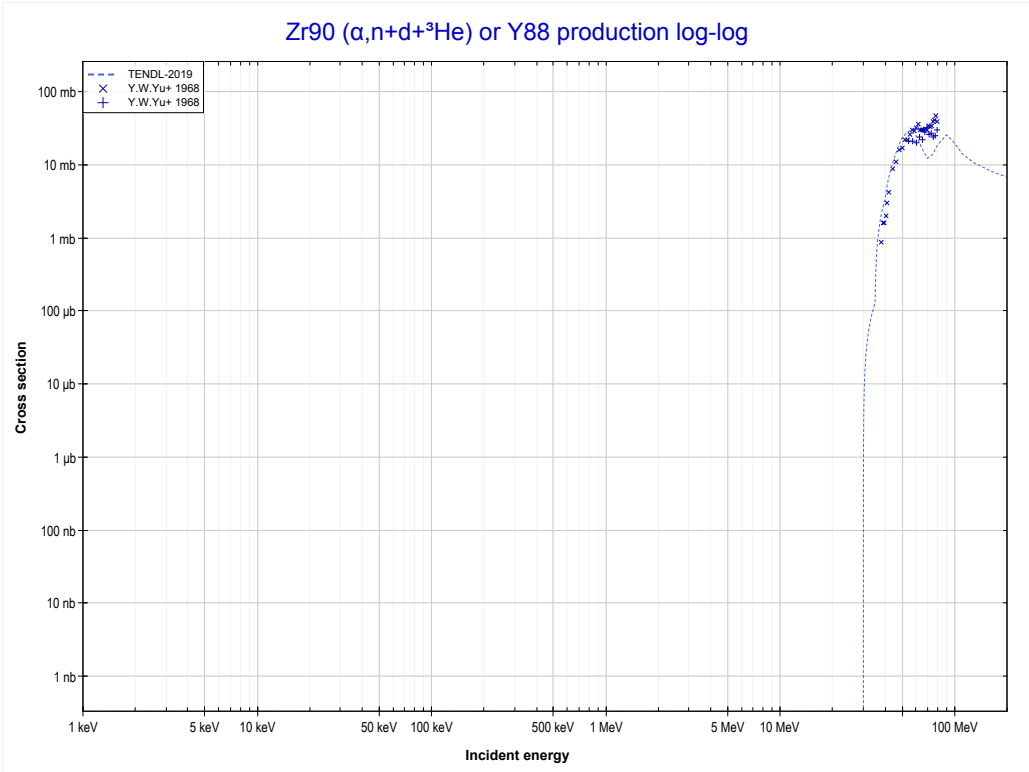
Reaction	Q-Value
Zr90(α,n+α)Zr89	-11967.86 keV
Zr90(α,d+t)Zr89	-29557.16 keV
Zr90(α,n+p+t)Zr89	-31781.72 keV
Zr90(α,2n+He3)Zr89	-32545.48 keV
Zr90(α,n+2d)Zr89	-35814.38 keV
Zr90(α,2n+p+d)Zr89	-38038.95 keV
Zr90(α,3n+2p)Zr89	-40263.52 keV

<< 39-Y-89	40-Zr-90	42-Mo-92 >>
<< MT184 (α ,n+p+t)	MT185 (α ,n+d+t) or MT5 (Zr88 production)	MT187 (α ,n+d+ ^3He) >>



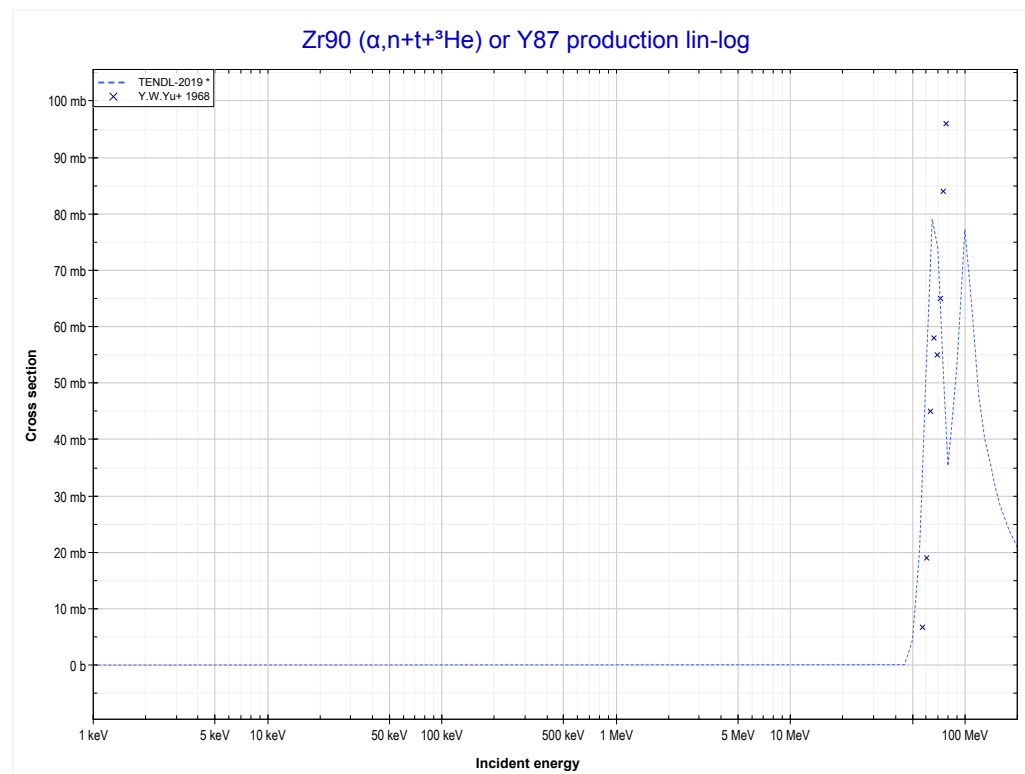
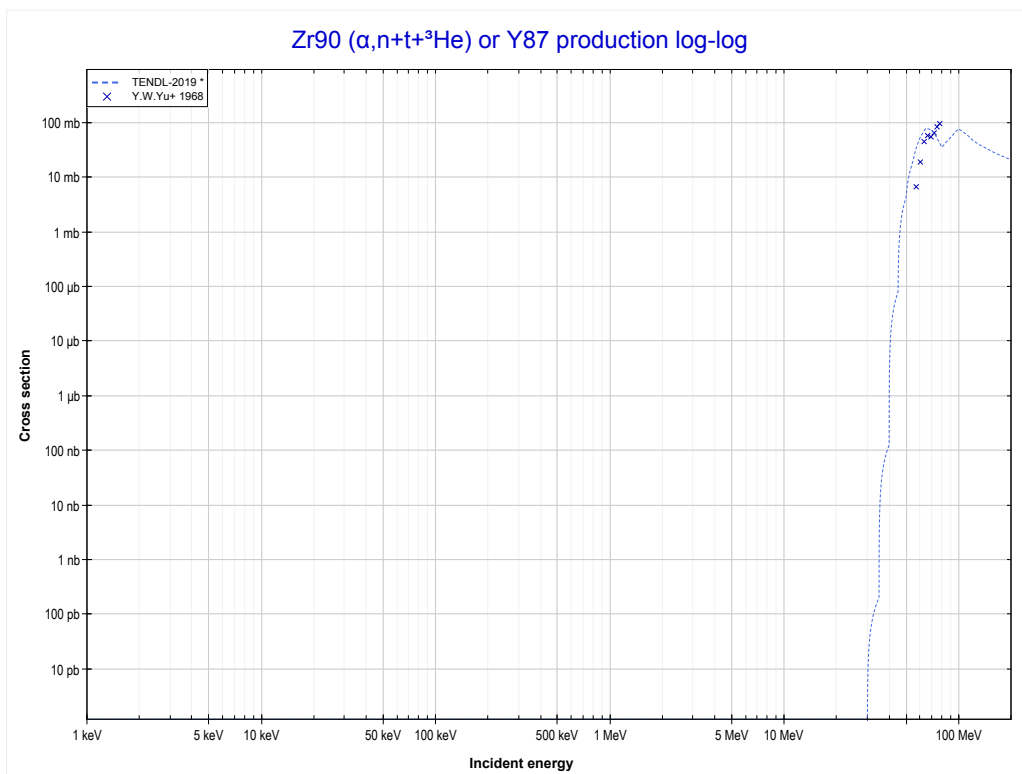
Reaction	Q-Value
Zr90(α ,2n+ α)Zr88	-21286.17 keV
Zr90(α ,2t)Zr88	-32618.24 keV
Zr90(α ,n+d+t)Zr88	-38875.47 keV
Zr90(α ,2n+p+t)Zr88	-41100.04 keV
Zr90(α ,3n+He3)Zr88	-41863.79 keV
Zr90(α ,2n+2d)Zr88	-45132.70 keV
Zr90(α ,3n+p+d)Zr88	-47357.27 keV
Zr90(α ,4n+2p)Zr88	-49581.83 keV

<< 34-Se-76	40-Zr-90	42-Mo-92 >>
<< MT185 ($\alpha,n+d+t$)	MT187 ($\alpha,n+d+^3\text{He}$) or MT5 (Y88 production)	MT188 ($\alpha,n+t+^3\text{He}$) >>



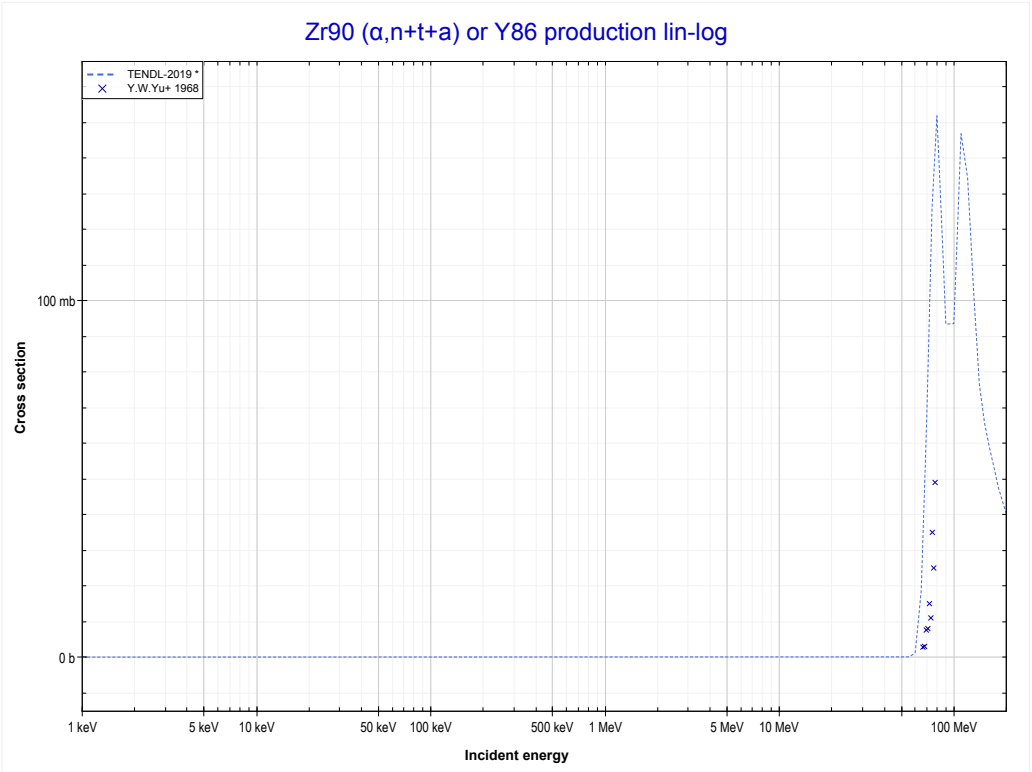
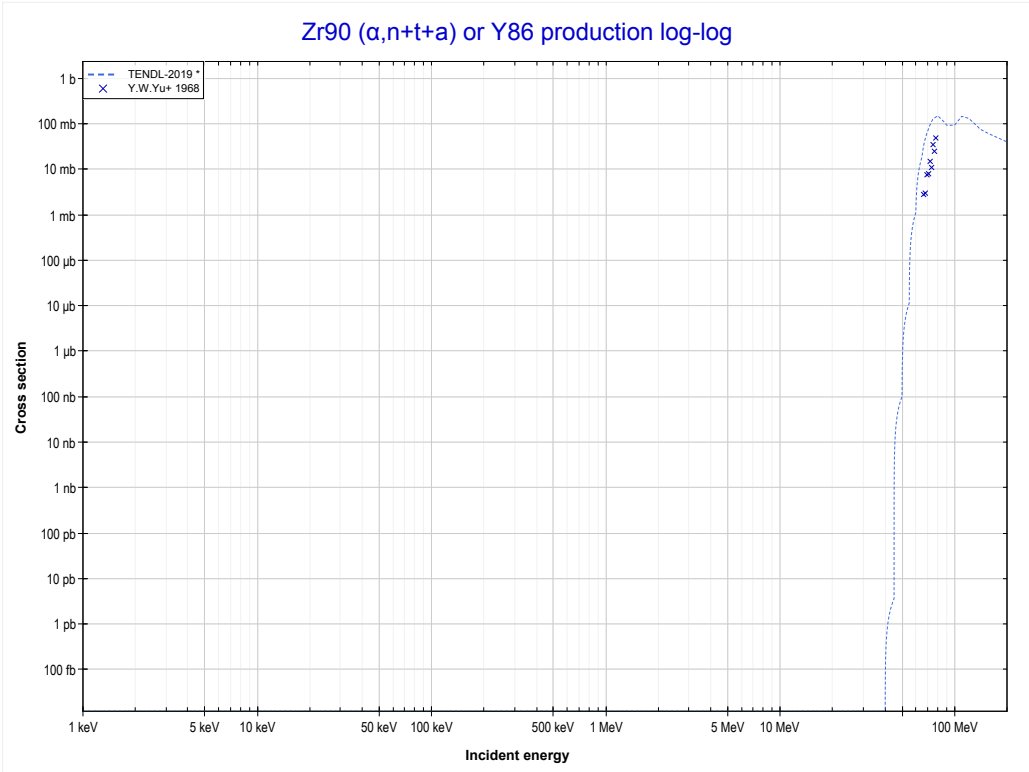
Reaction	Q-Value	Reaction	Q-Value
Zr90($\alpha,d+\alpha$)Y88	-17609.26 keV	Zr90($\alpha,n+p+2d$)Y88	-43680.36 keV
Zr90($\alpha,n+p+\alpha$)Y88	-19833.83 keV	Zr90($\alpha,2n+2p+d$)Y88	-45904.92 keV
Zr90($\alpha,t+^3\text{He}$)Y88	-31929.65 keV	Zr90($\alpha,3n+3p$)Y88	-48129.49 keV
Zr90($\alpha,p+d+t$)Y88	-37423.13 keV		
Zr90($\alpha,n+d+^3\text{He}$)Y88	-38186.88 keV		
Zr90($\alpha,n+2p+t$)Y88	-39647.69 keV		
Zr90($\alpha,2n+p+^3\text{He}$)Y88	-40411.45 keV		
Zr90($\alpha,3d$)Y88	-41455.79 keV		

<< 28-Ni-58	40-Zr-90	
<< MT187 ($\alpha, n+d+{}^3\text{He}$)	MT188 ($\alpha, n+t+{}^3\text{He}$) or MT5 (Y87 production)	MT189 ($\alpha, n+t+a$) >>



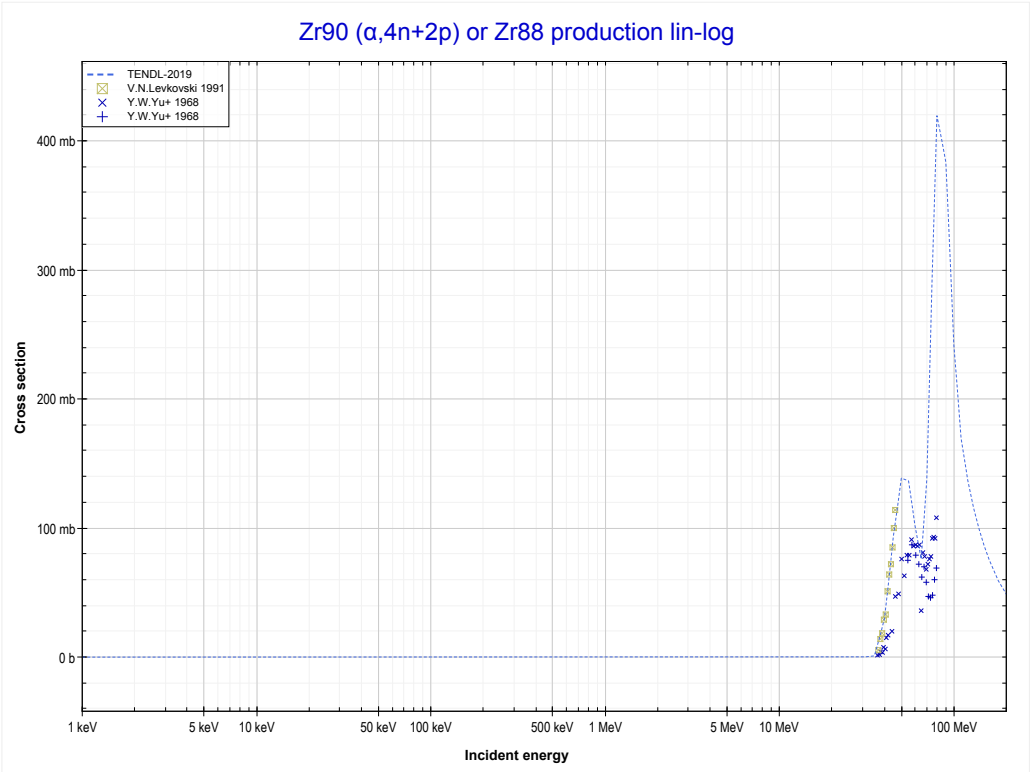
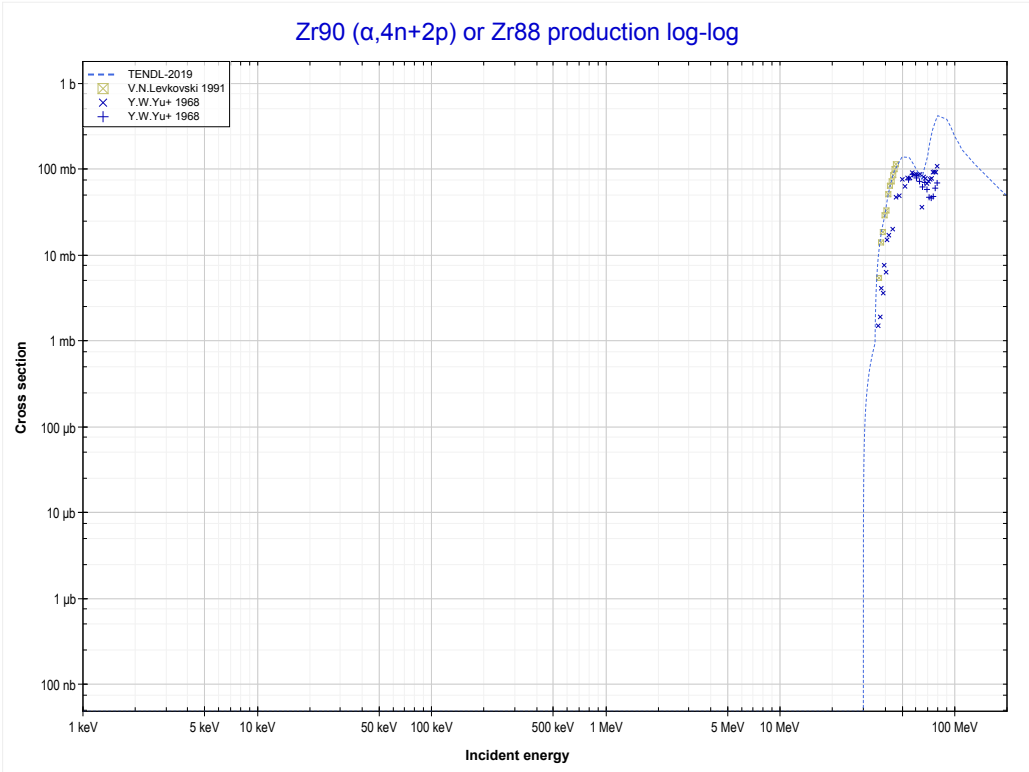
Reaction	Q-Value	Reaction	Q-Value
Zr90($\alpha, t+a$)Y87	-20703.95 keV	Zr90($\alpha, 2n+2p+t$)Y87	-48999.61 keV
Zr90($\alpha, n+d+a$)Y87	-26961.18 keV	Zr90($\alpha, 3n+p+{}^3\text{He}$)Y87	-49763.36 keV
Zr90($\alpha, 2n+p+a$)Y87	-29185.74 keV	Zr90($\alpha, n+3d$)Y87	-50807.71 keV
Zr90($\alpha, p+2t$)Y87	-40517.81 keV	Zr90($\alpha, 2n+p+2d$)Y87	-53032.27 keV
Zr90($\alpha, n+t+{}^3\text{He}$)Y87	-41281.57 keV	Zr90($\alpha, 3n+2p+d$)Y87	-55256.84 keV
Zr90($\alpha, 2d+t$)Y87	-44550.48 keV	Zr90($\alpha, 4n+3p$)Y87	-57481.40 keV
Zr90($\alpha, n+p+d+t$)Y87	-46775.04 keV		
Zr90($\alpha, 2n+d+{}^3\text{He}$)Y87	-47538.80 keV		

<< 7-N-14	40-Zr-90	41-Nb-93 >>
<< MT188 ($\alpha,n+t+^3\text{He}$)	MT189 ($\alpha,n+t+a$) or MT5 (Y86 production)	MT194 ($\alpha,4n+2p$) >>



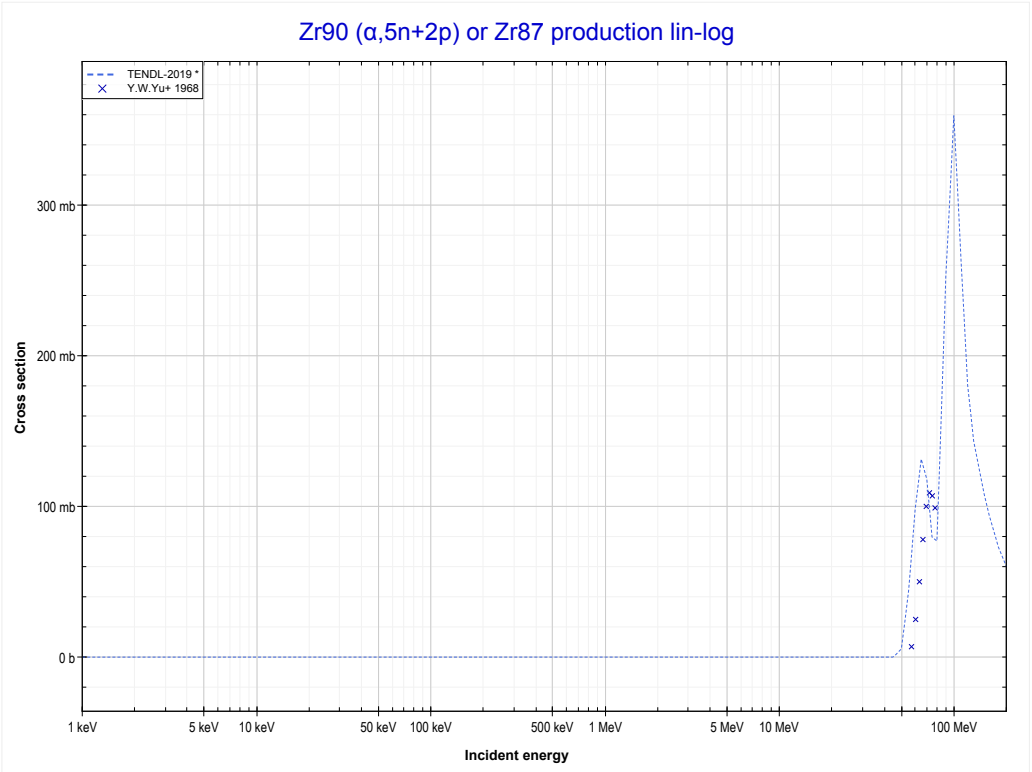
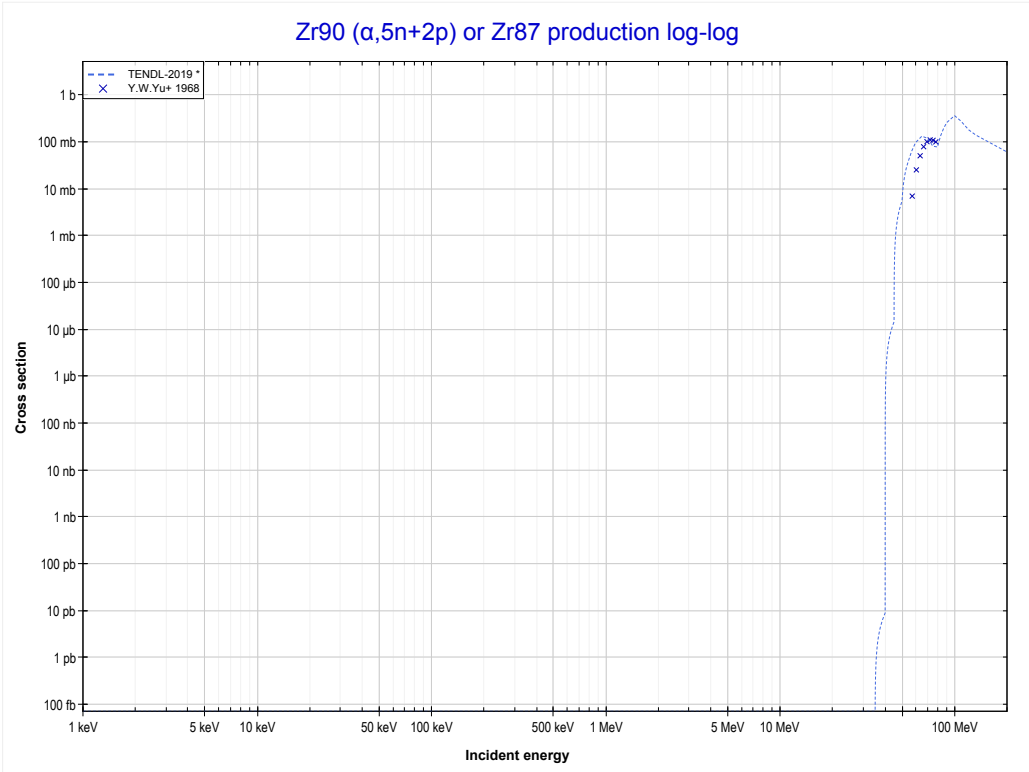
Reaction	Q-Value	Reaction	Q-Value
Zr90($\alpha,n+t+a$)Y86	-32510.67 keV	Zr90($\alpha,3n+d+He3$)Y86	-59345.52 keV
Zr90($\alpha,2n+d+a$)Y86	-38767.90 keV	Zr90($\alpha,3n+2p+t$)Y86	-60806.33 keV
Zr90($\alpha,3n+p+a$)Y86	-40992.46 keV	Zr90($\alpha,4n+p+He3$)Y86	-61570.08 keV
Zr90($\alpha,d+2t$)Y86	-50099.97 keV	Zr90($\alpha,2n+3d$)Y86	-62614.42 keV
Zr90($\alpha,n+p+2t$)Y86	-52324.53 keV	Zr90($\alpha,3n+p+2d$)Y86	-64838.99 keV
Zr90($\alpha,2n+t+He3$)Y86	-53088.29 keV	Zr90($\alpha,4n+2p+d$)Y86	-67063.56 keV
Zr90($\alpha,n+2d+t$)Y86	-56357.19 keV	Zr90($\alpha,5n+3p$)Y86	-69288.12 keV
Zr90($\alpha,2n+p+d+t$)Y86	-58581.76 keV		

<< 39-Y-89	40-Zr-90	42-Mo-92 >>
<< MT189 ($\alpha,n+t+a$)	MT194 ($\alpha,4n+2p$) or MT5 (Zr88 production)	MT200 ($\alpha,5n+2p$) >>



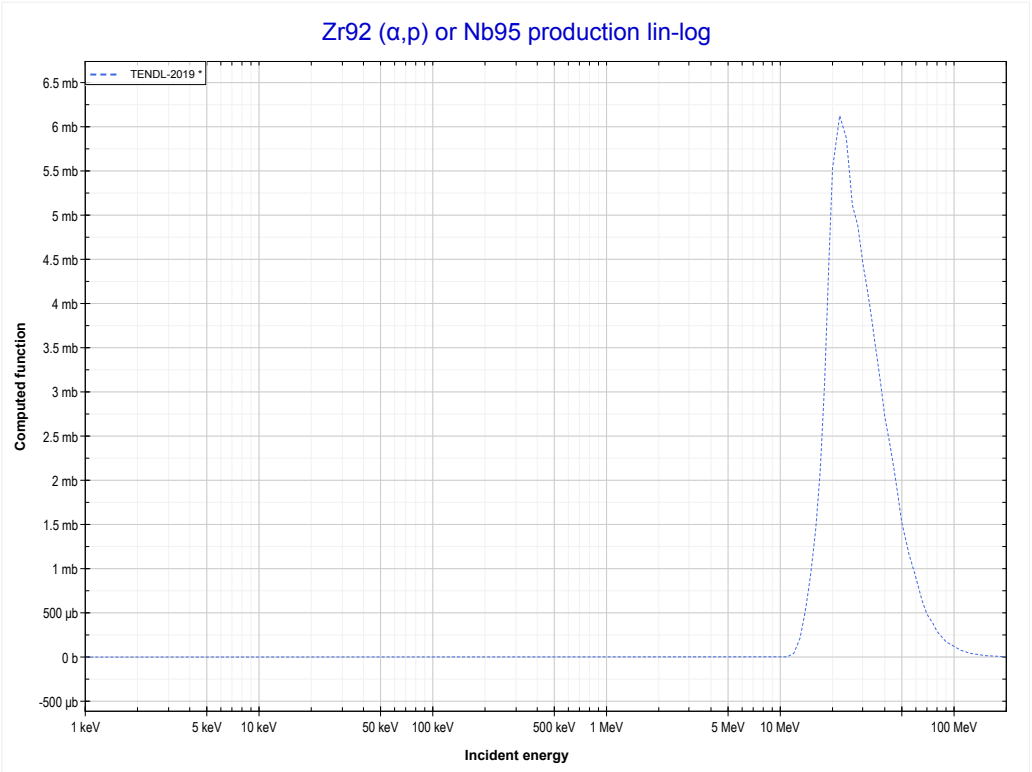
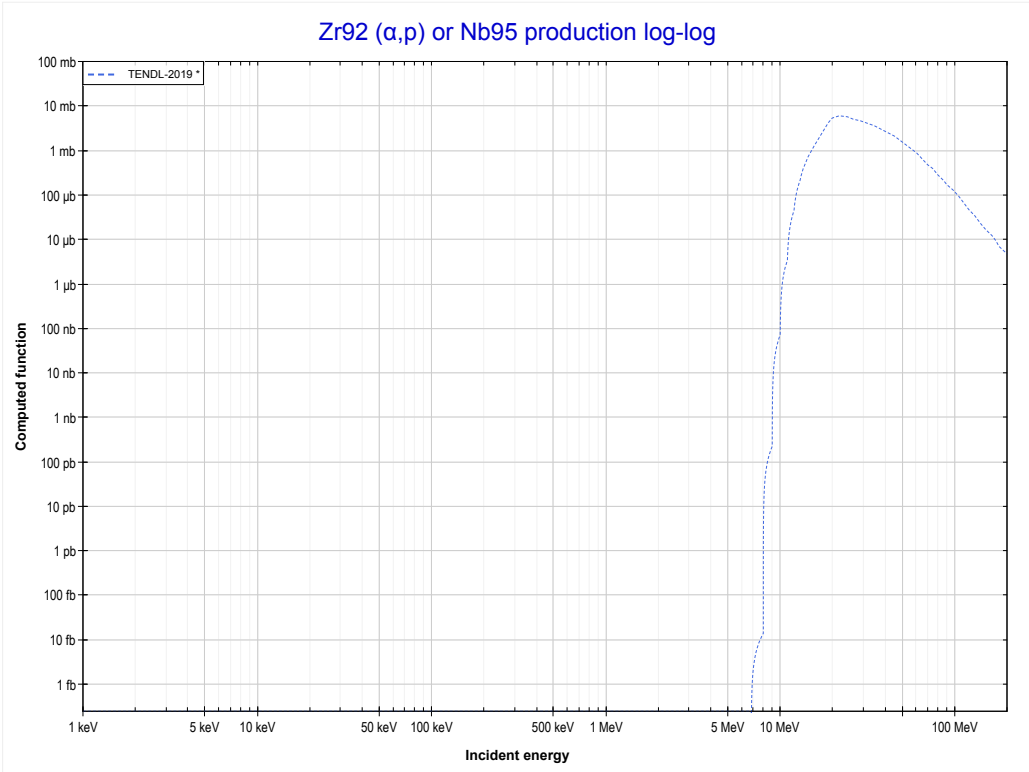
Reaction	Q-Value
Zr90($\alpha,2n+\alpha$)Zr88	-21286.17 keV
Zr90($\alpha,2t$)Zr88	-32618.24 keV
Zr90($\alpha,n+d+t$)Zr88	-38875.47 keV
Zr90($\alpha,2n+p+t$)Zr88	-41100.04 keV
Zr90($\alpha,3n+He3$)Zr88	-41863.79 keV
Zr90($\alpha,2n+2d$)Zr88	-45132.70 keV
Zr90($\alpha,3n+p+d$)Zr88	-47357.27 keV
Zr90($\alpha,4n+2p$)Zr88	-49581.83 keV

<< 27-Co-59	40-Zr-90	41-Nb-93 >>
<< MT194 (α,4n+2p)	MT200 (α,5n+2p) or MT5 (Zr87 production)	40-Zr-92 MT103 (α,p) >>



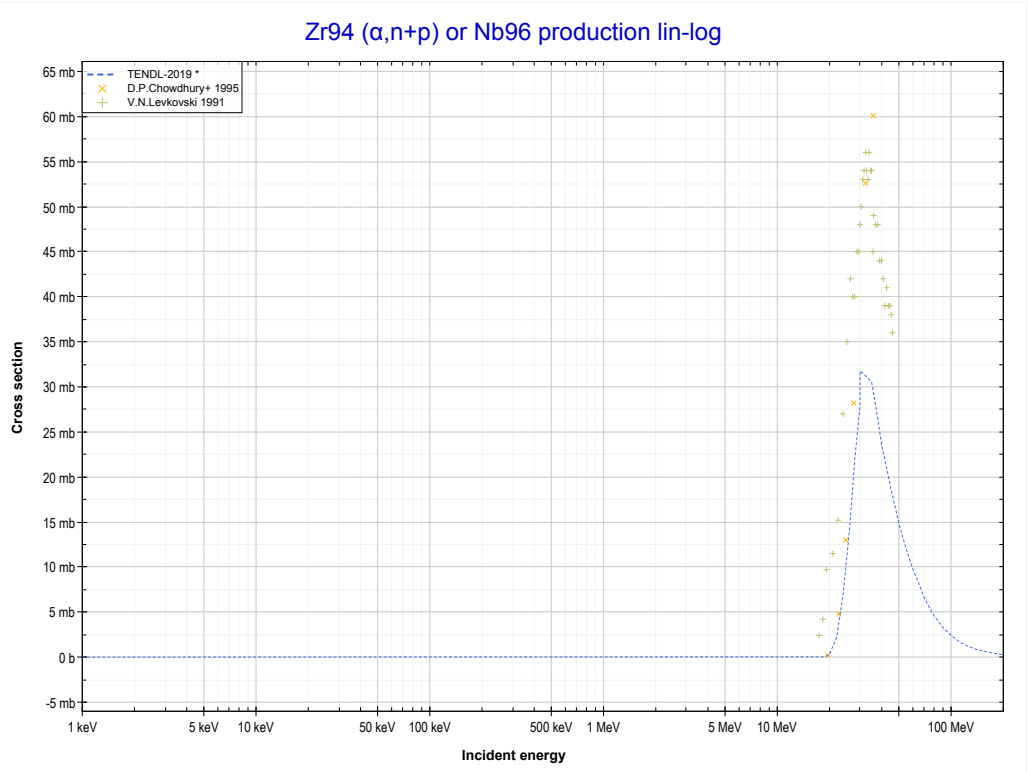
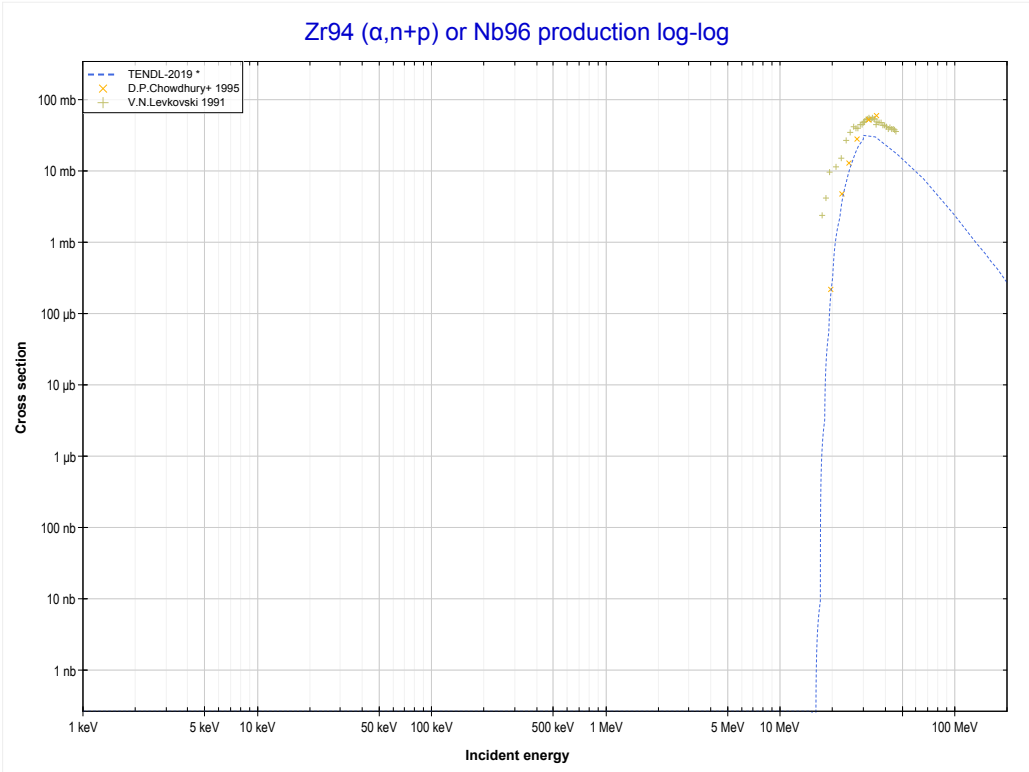
Reaction	Q-Value
Zr90(α,3n+α)Zr87	-33639.49 keV
Zr90(α,n+2t)Zr87	-44971.56 keV
Zr90(α,2n+d+t)Zr87	-51228.79 keV
Zr90(α,3n+p+t)Zr87	-53453.36 keV
Zr90(α,4n+He3)Zr87	-54217.11 keV
Zr90(α,3n+2d)Zr87	-57486.02 keV
Zr90(α,4n+p+d)Zr87	-59710.59 keV
Zr90(α,5n+2p)Zr87	-61935.15 keV

<< 34-Se-74	40-Zr-92	40-Zr-94 >>
<< 40-Zr-90 MT200 (α,5n+2p)	MT103 (α,p) or MT5 (Nb95 production)	40-Zr-94 MT28 (α,n+p) >>



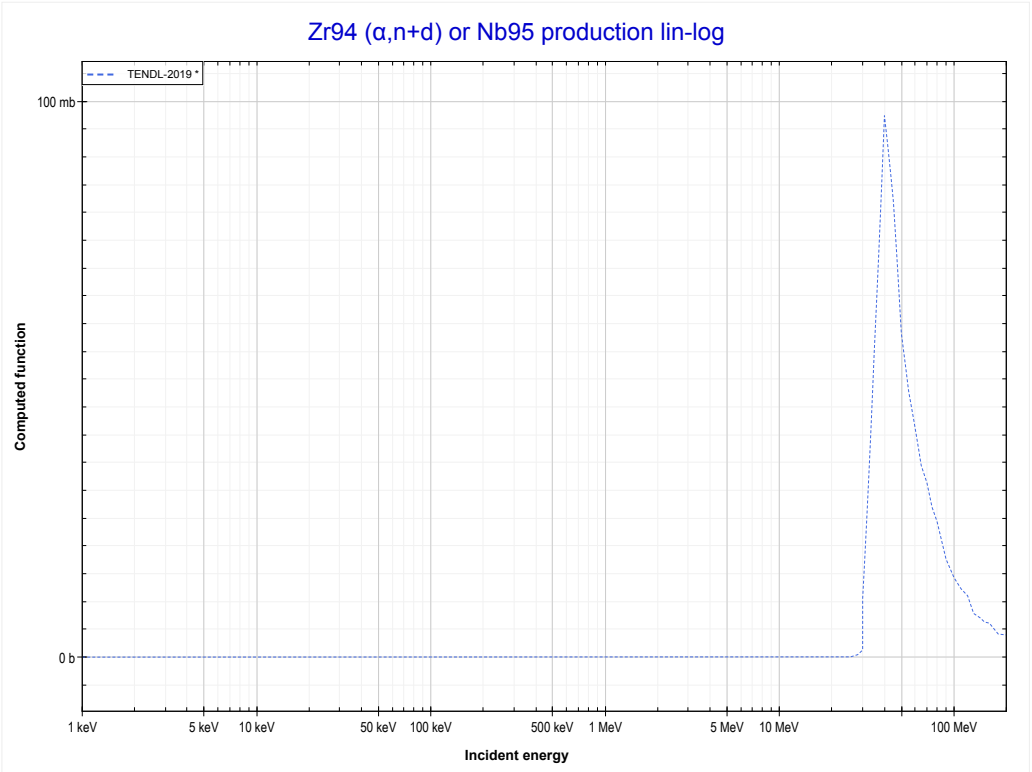
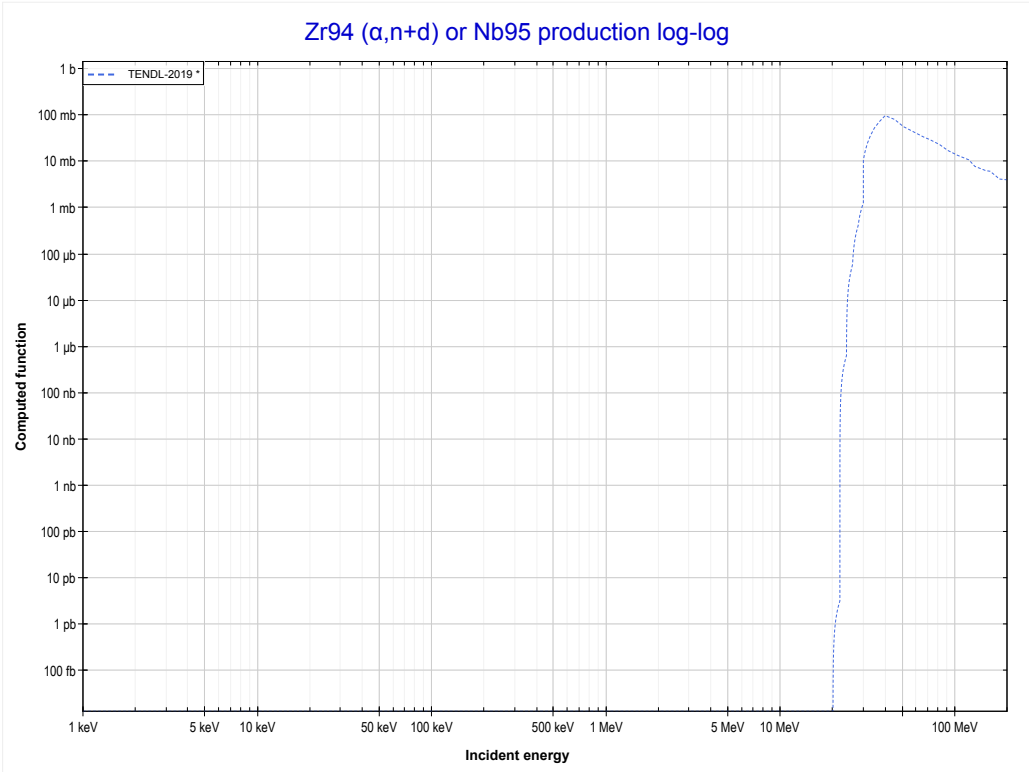
Reaction	Q-Value
Zr92(α,p)Nb95	-6536.78 keV

<< 40-Zr-90	40-Zr-94	42-Mo-92 >>
<< 40-Zr-92 MT103 (α,p)	MT28 (α,n+p) or MT5 (Nb96 production)	MT32 (α,n+d) >>



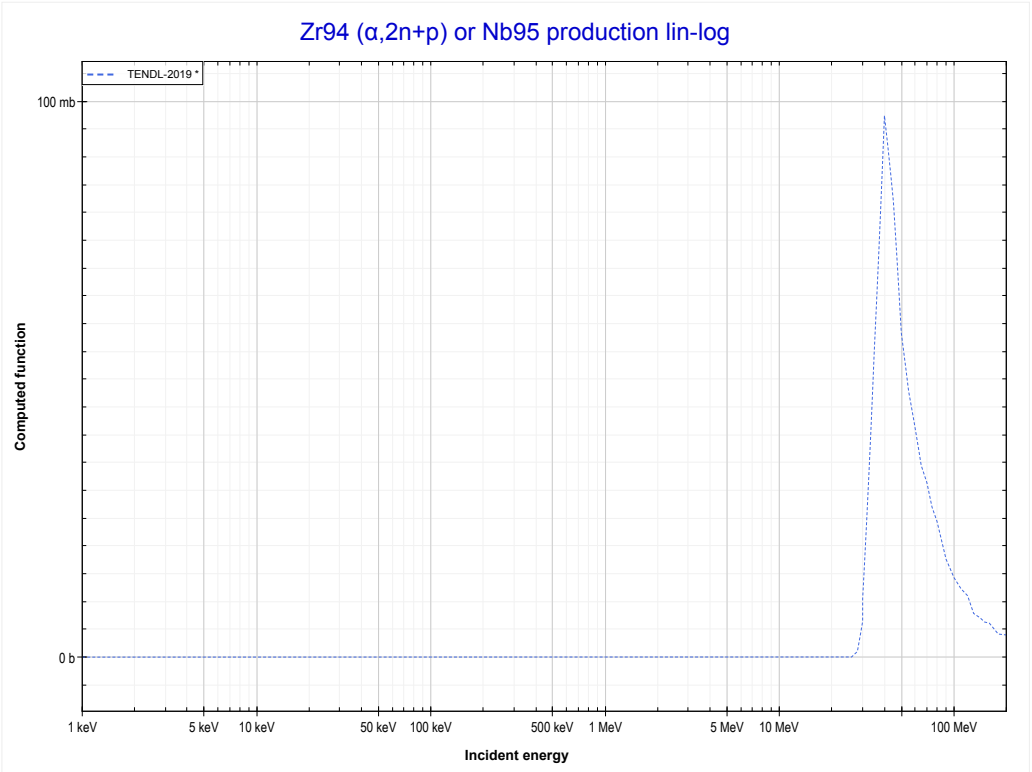
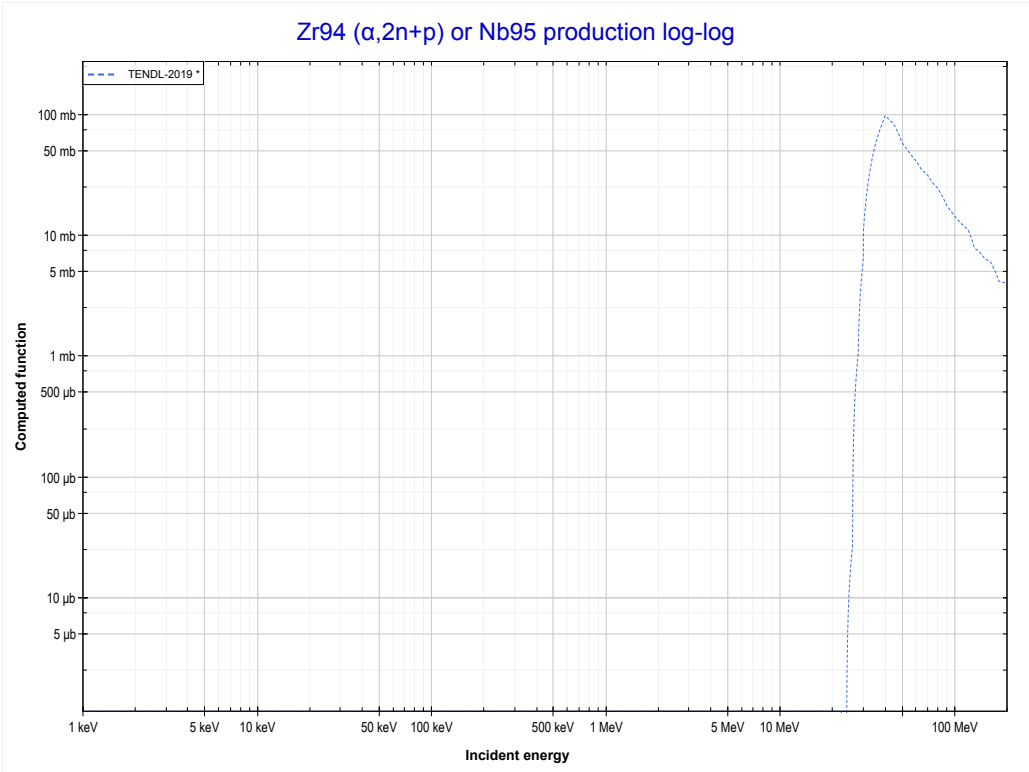
Reaction	Q-Value
Zr94(α,d)Nb96	-12377.31 keV
Zr94(α,n+p)Nb96	-14601.87 keV

<< 38-Sr-87	40-Zr-94	40-Zr-96 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Nb95 production)	MT41 (α,2n+p) >>



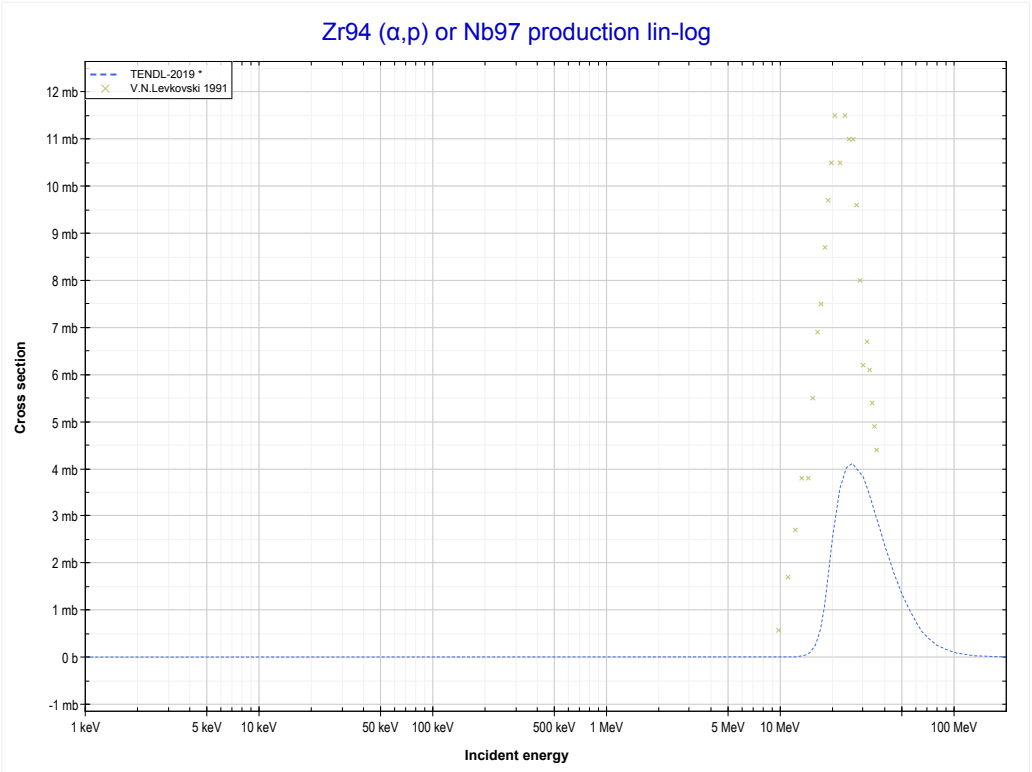
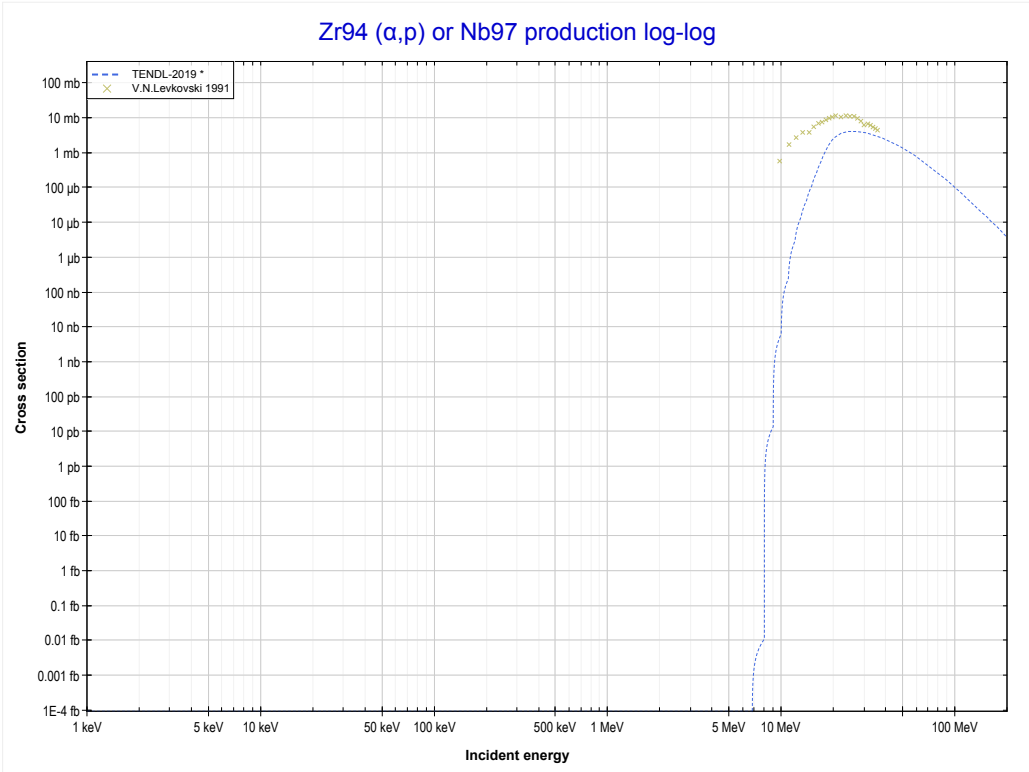
Reaction	Q-Value
Zr94(α,t)Nb95	-13007.91 keV
Zr94(α,n+d)Nb95	-19265.14 keV
Zr94(α,2n+p)Nb95	-21489.71 keV

<< 38-Sr-87	40-Zr-94	40-Zr-96 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Nb95 production)	MT103 (α,p) >>



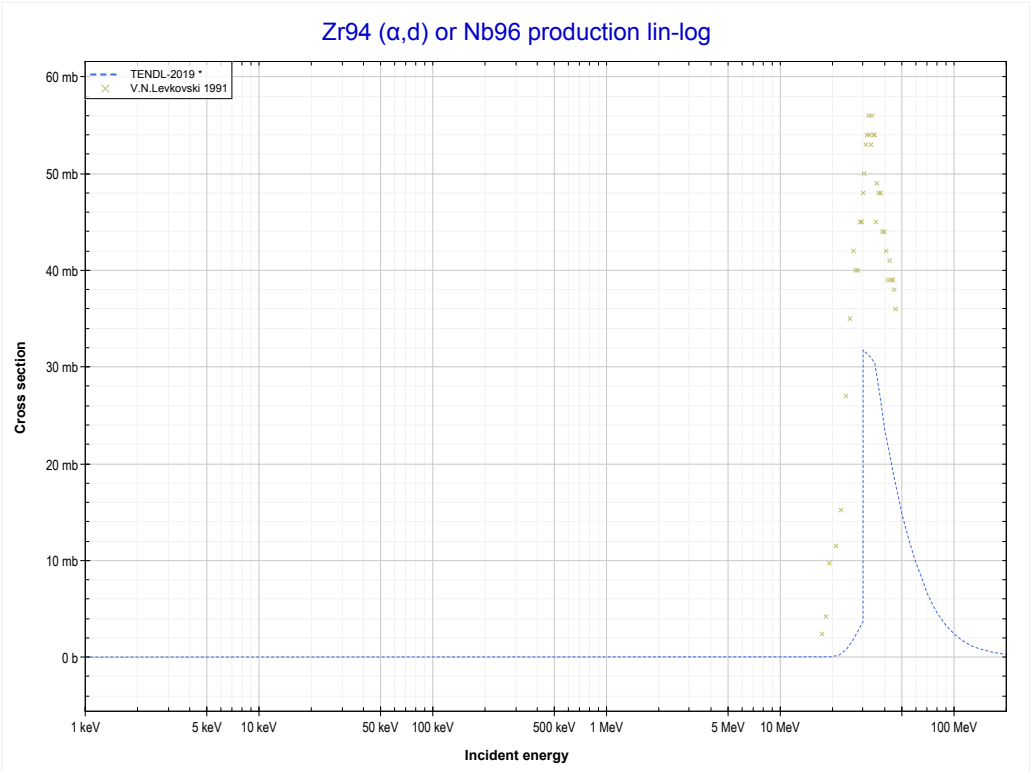
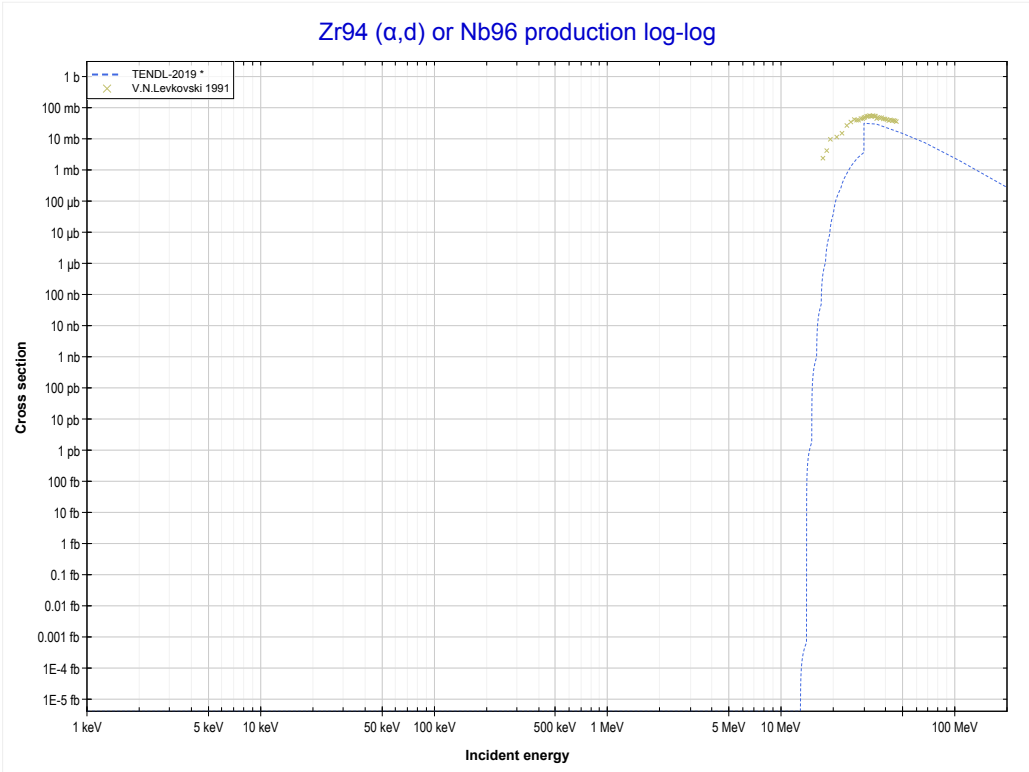
Reaction	Q-Value
Zr94(α,t)Nb95	-13007.91 keV
Zr94(α,n+d)Nb95	-19265.14 keV
Zr94(α,2n+p)Nb95	-21489.71 keV

<< 40-Zr-92	40-Zr-94	42-Mo-92 >>
<< MT41 ($\alpha,2n+p$)	MT103 (α,p) or MT5 (Nb97 production)	MT104 (α,d) >>



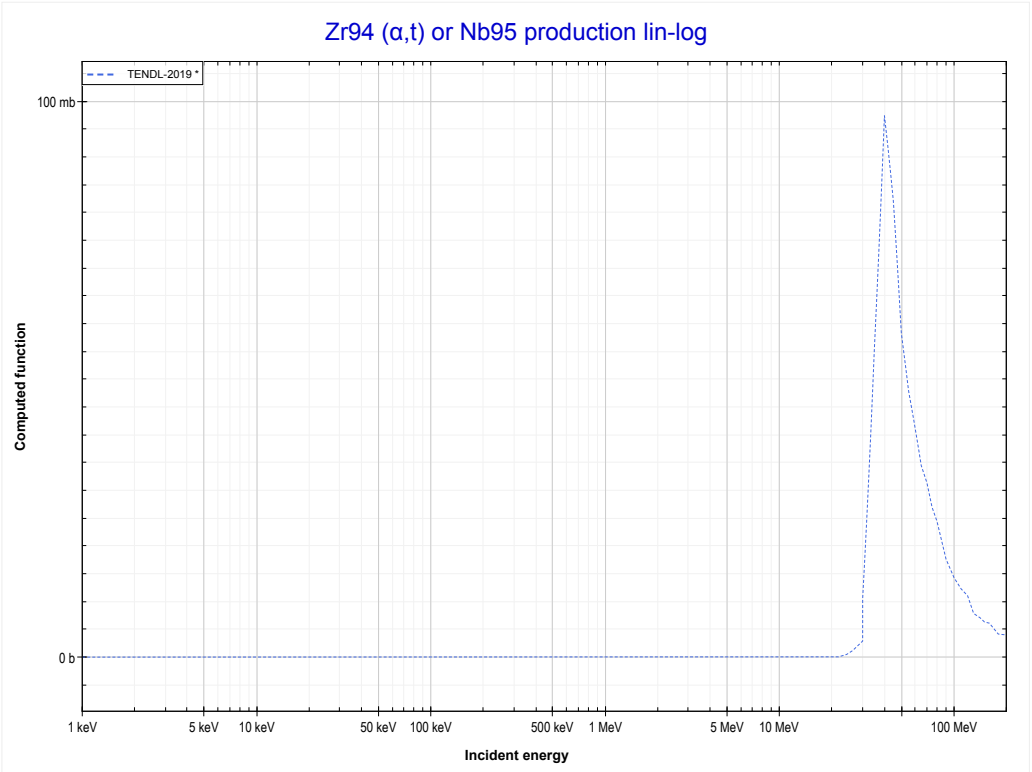
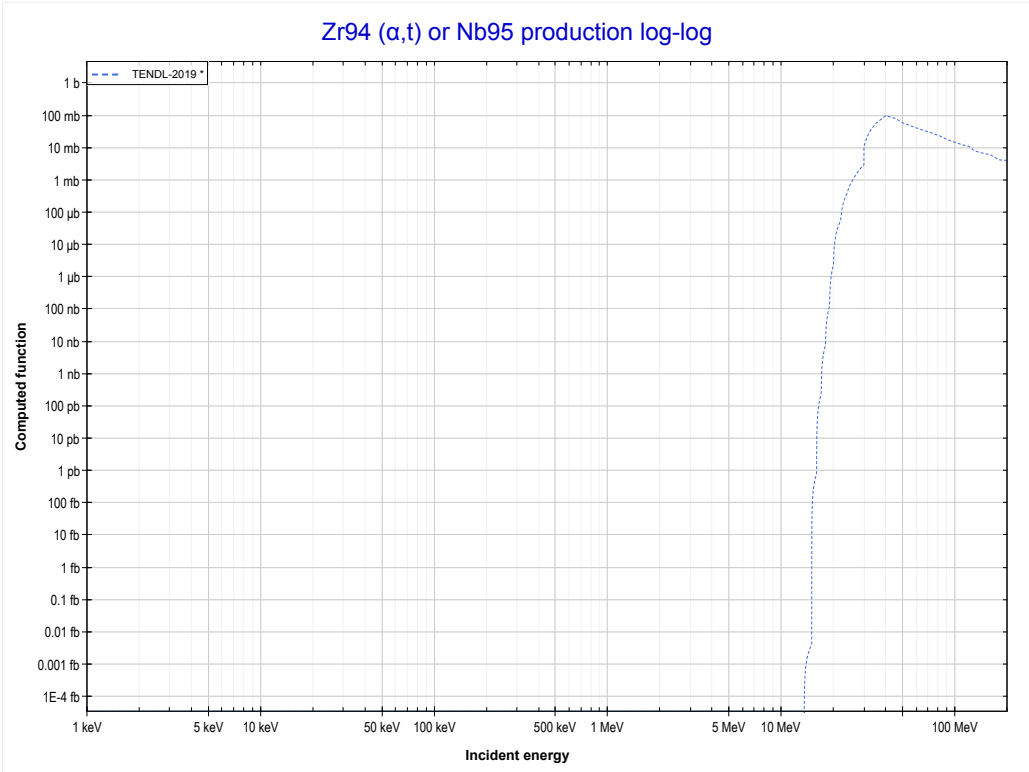
Reaction	Q-Value
Zr94(α,p)Nb97	-6527.37 keV

<< 38-Sr-86	40-Zr-94	42-Mo-92 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Nb96 production)	MT105 (α,t) >>



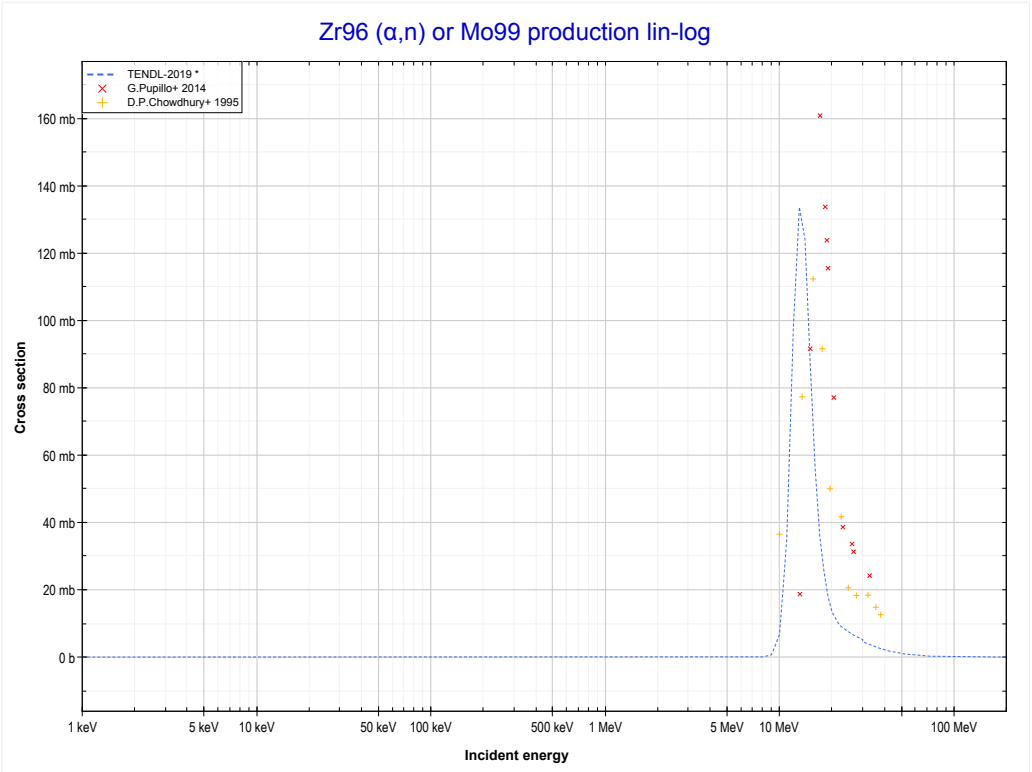
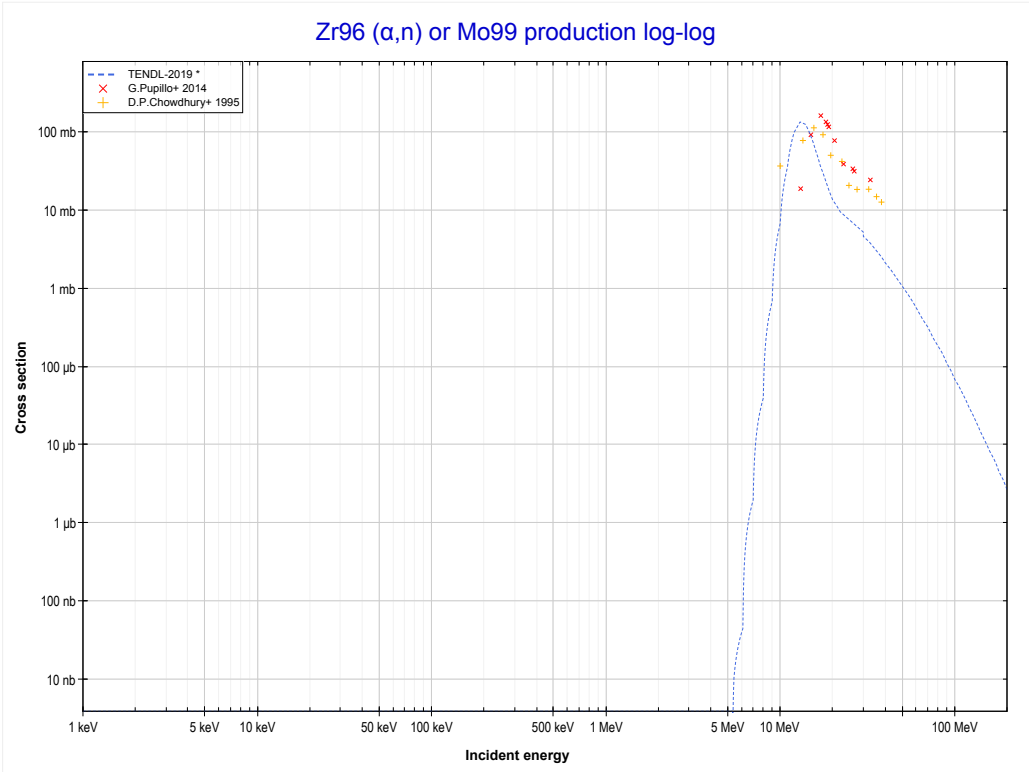
Reaction	Q-Value
Zr94(α,d)Nb96	-12377.31 keV
Zr94(α,n+p)Nb96	-14601.87 keV

<< 38-Sr-87	40-Zr-94	40-Zr-96 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Nb95 production)	40-Zr-96 MT4 (α,n) >>



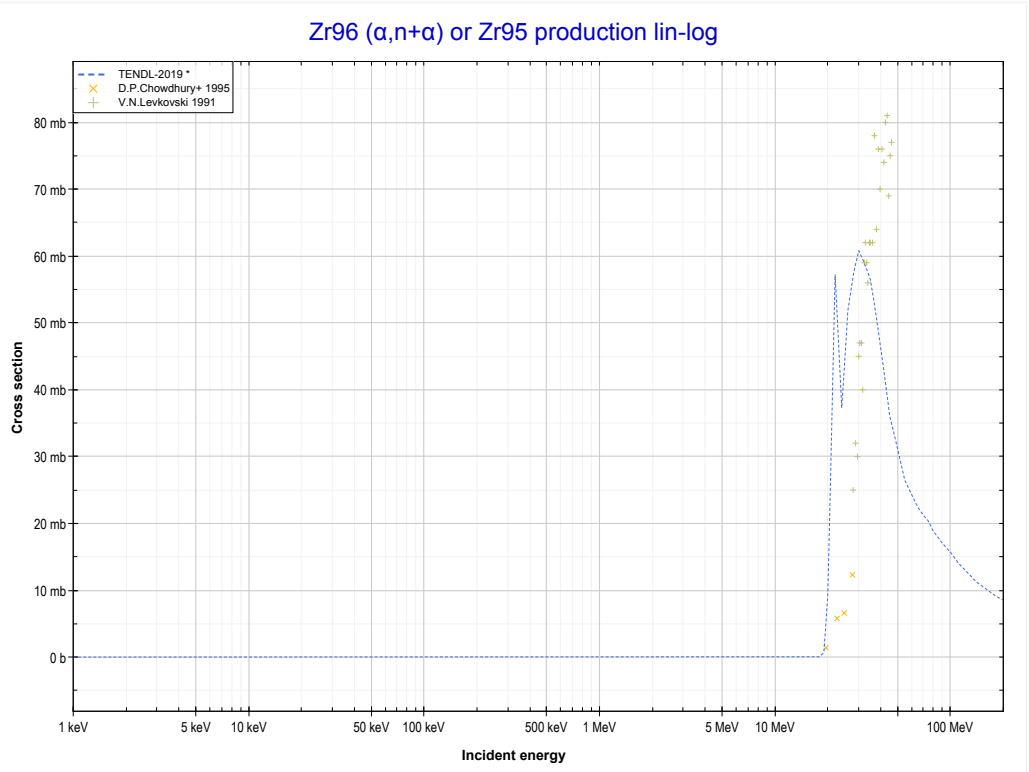
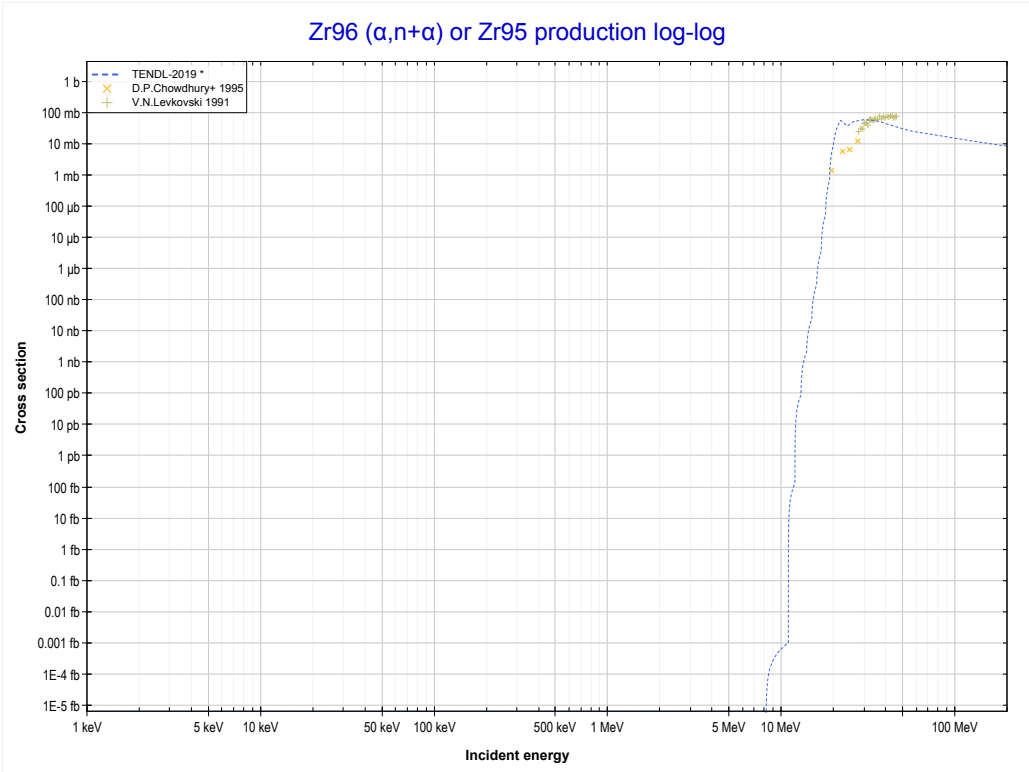
Reaction	Q-Value
Zr94(α,t)Nb95	-13007.91 keV
Zr94(α,n+d)Nb95	-19265.14 keV
Zr94(α,2n+p)Nb95	-21489.71 keV

<< 39-Y-89	40-Zr-96	41-Nb-93 >>
<< 40-Zr-94 MT105 (α,t)	MT4 (α,n) or MT5 (Mo99 production)	MT22 (α,n+α) >>



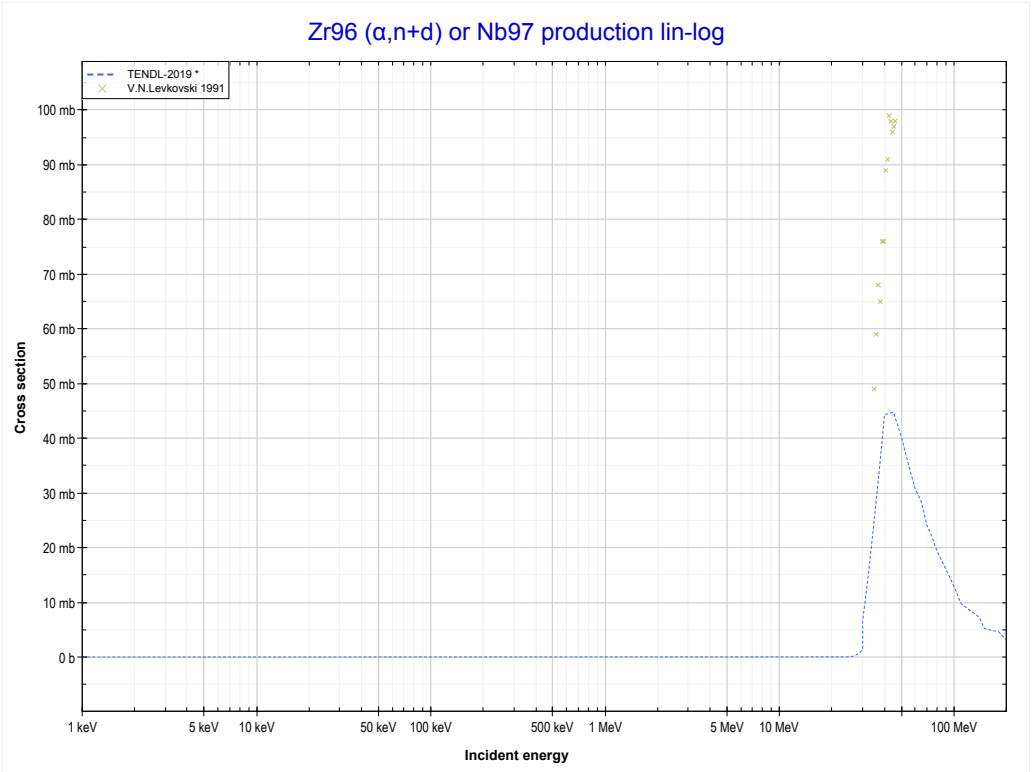
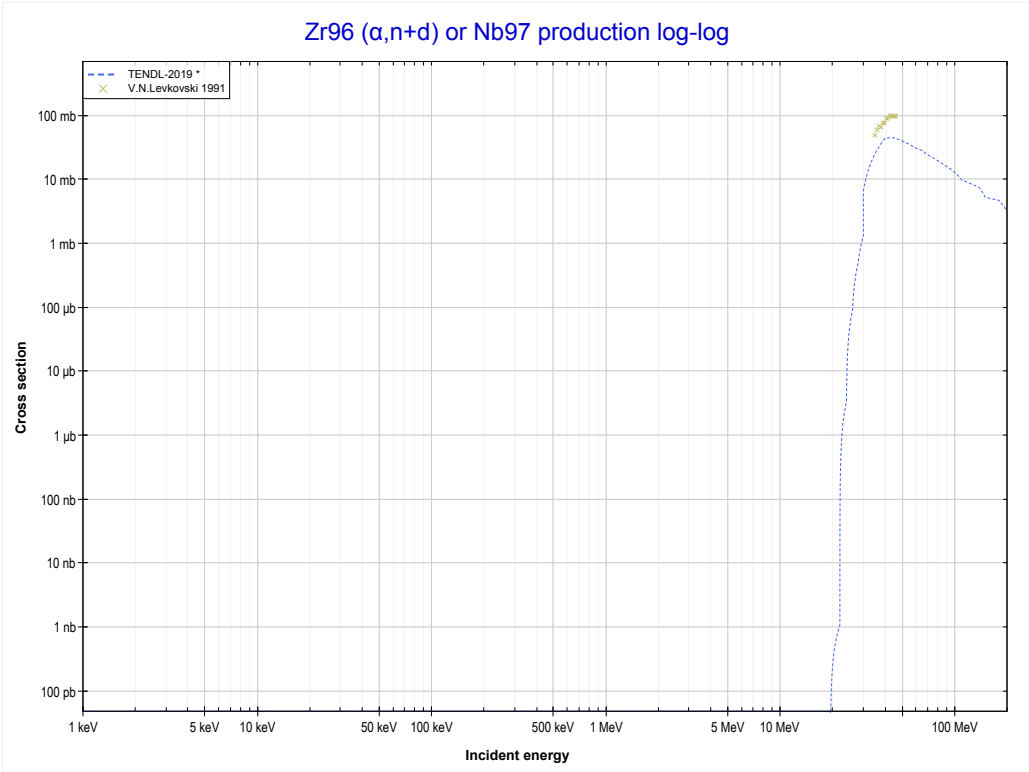
Reaction	Q-Value
Zr96(α,n)Mo99	-5115.15 keV

<< 40-Zr-90	40-Zr-96	41-Nb-93 >>
<< MT4 (α,n)	MT22 (α,n+α) or MT5 (Zr95 production)	MT32 (α,n+d) >>



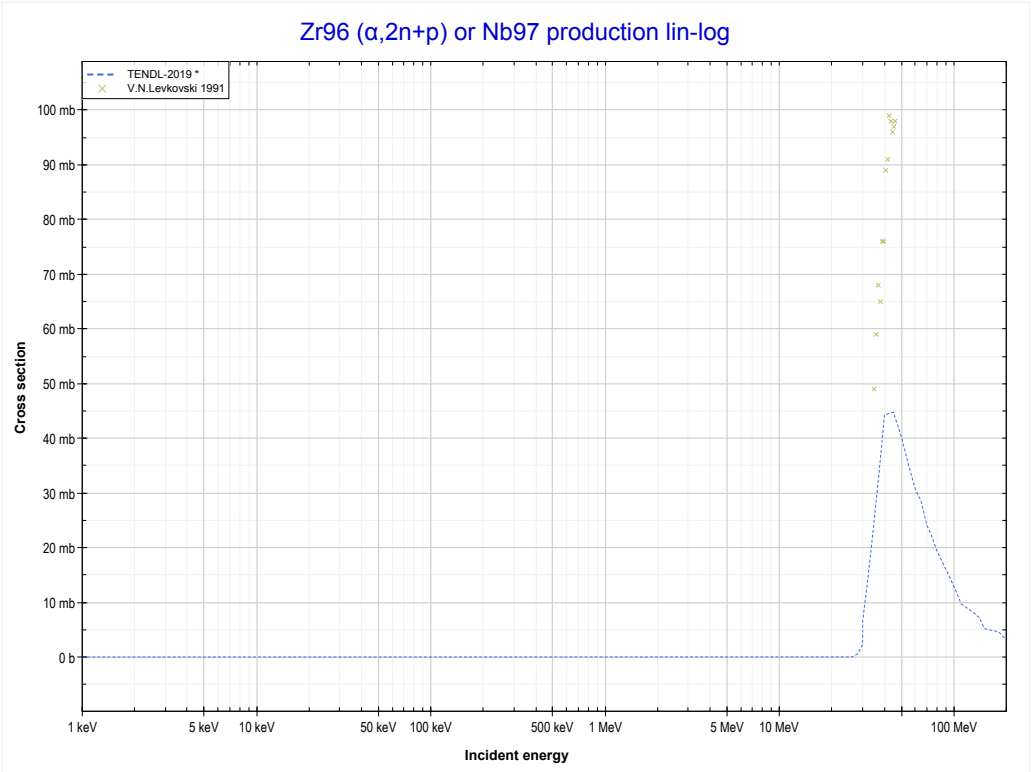
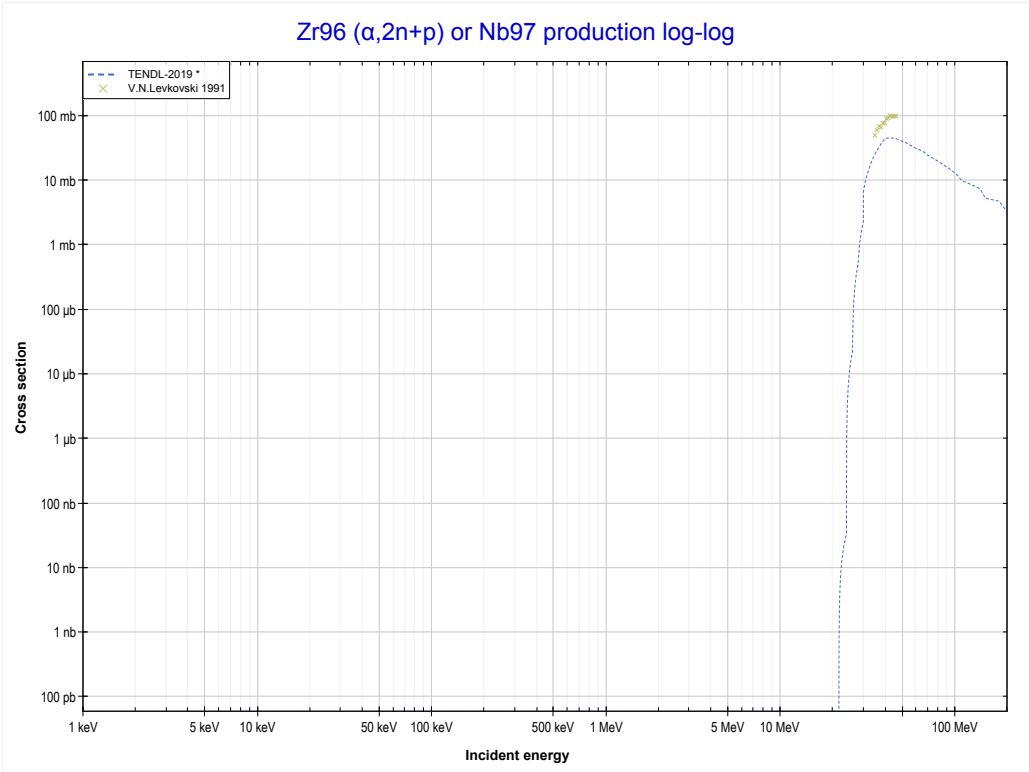
Reaction	Q-Value
Zr96(α,n+α)Zr95	-7850.27 keV
Zr96(α,d+t)Zr95	-25439.57 keV
Zr96(α,n+p+t)Zr95	-27664.13 keV
Zr96(α,2n+He3)Zr95	-28427.89 keV
Zr96(α,n+2d)Zr95	-31696.79 keV
Zr96(α,2n+p+d)Zr95	-33921.36 keV
Zr96(α,3n+2p)Zr95	-36145.93 keV

<< 40-Zr-94	40-Zr-96	42-Mo-94 >>
<< MT22 ($\alpha,n+\alpha$)	MT32 ($\alpha,n+d$) or MT5 (Nb97 production)	MT41 ($\alpha,2n+p$) >>



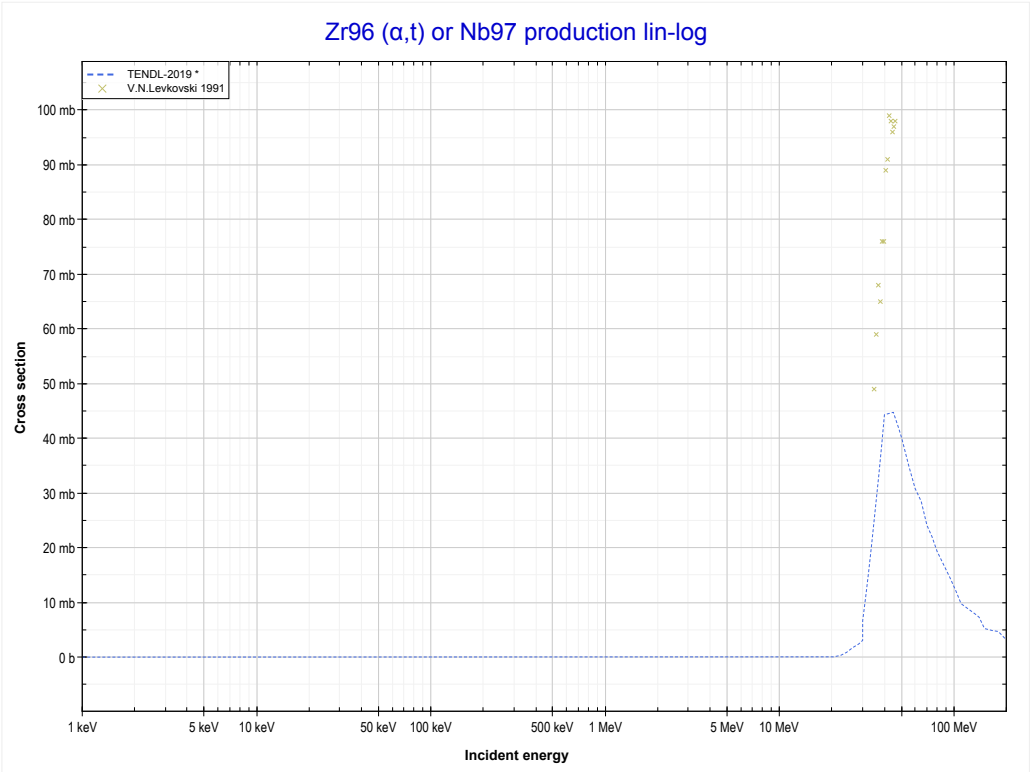
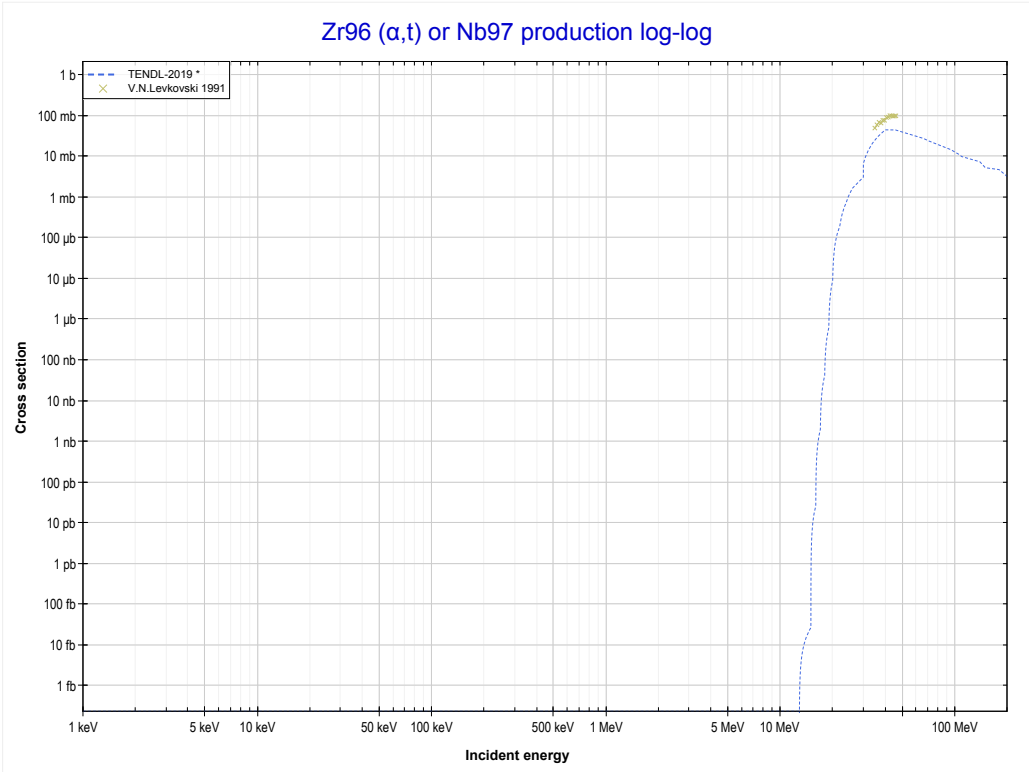
Reaction	Q-Value
Zr96(α,t)Nb97	-12357.74 keV
Zr96($\alpha,n+d$)Nb97	-18614.97 keV
Zr96($\alpha,2n+p$)Nb97	-20839.54 keV

<< 40-Zr-94	40-Zr-96	42-Mo-94 >>
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Nb97 production)	MT105 (α,t) >>



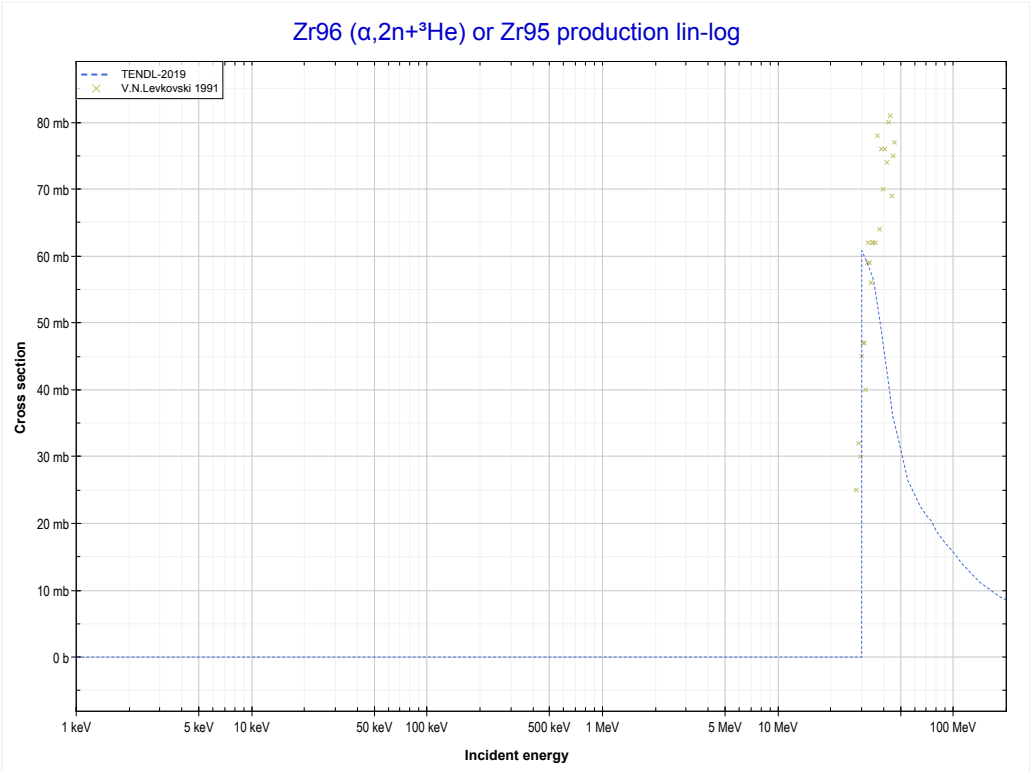
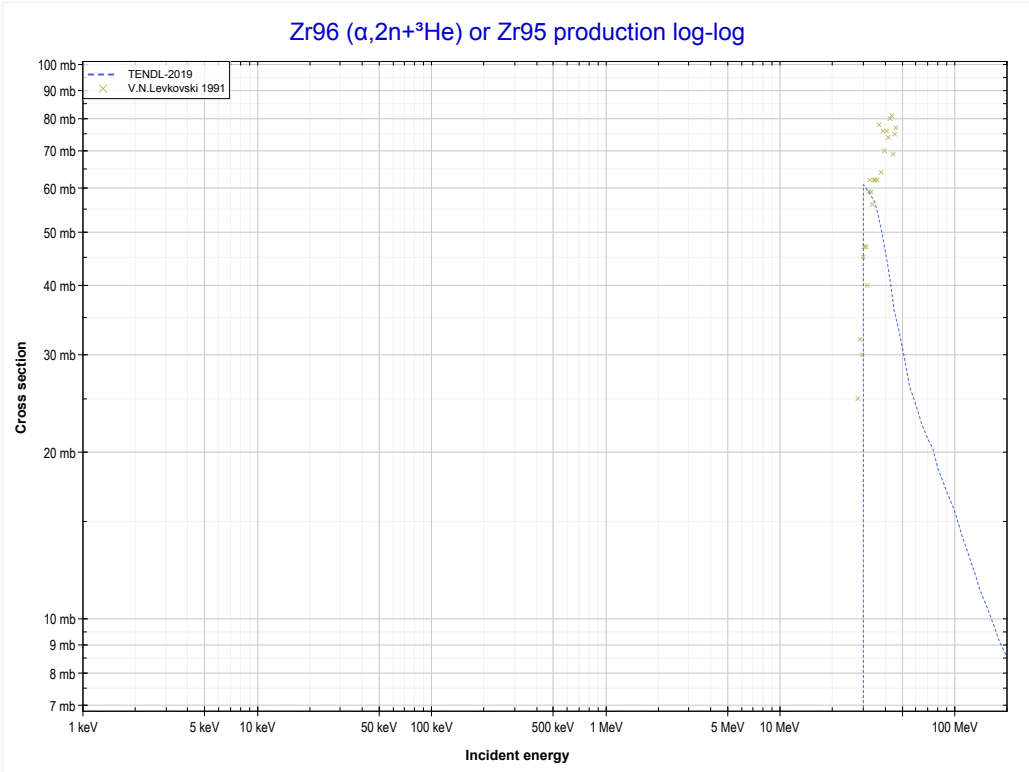
Reaction	Q-Value
Zr96(α,t)Nb97	-12357.74 keV
Zr96(α,n+d)Nb97	-18614.97 keV
Zr96(α,2n+p)Nb97	-20839.54 keV

<< 40-Zr-94	40-Zr-96	42-Mo-94 >>
<< MT41 (α ,2n+p)	MT105 (α ,t) or MT5 (Nb97 production)	MT176 (α ,2n+ ^3He) >>



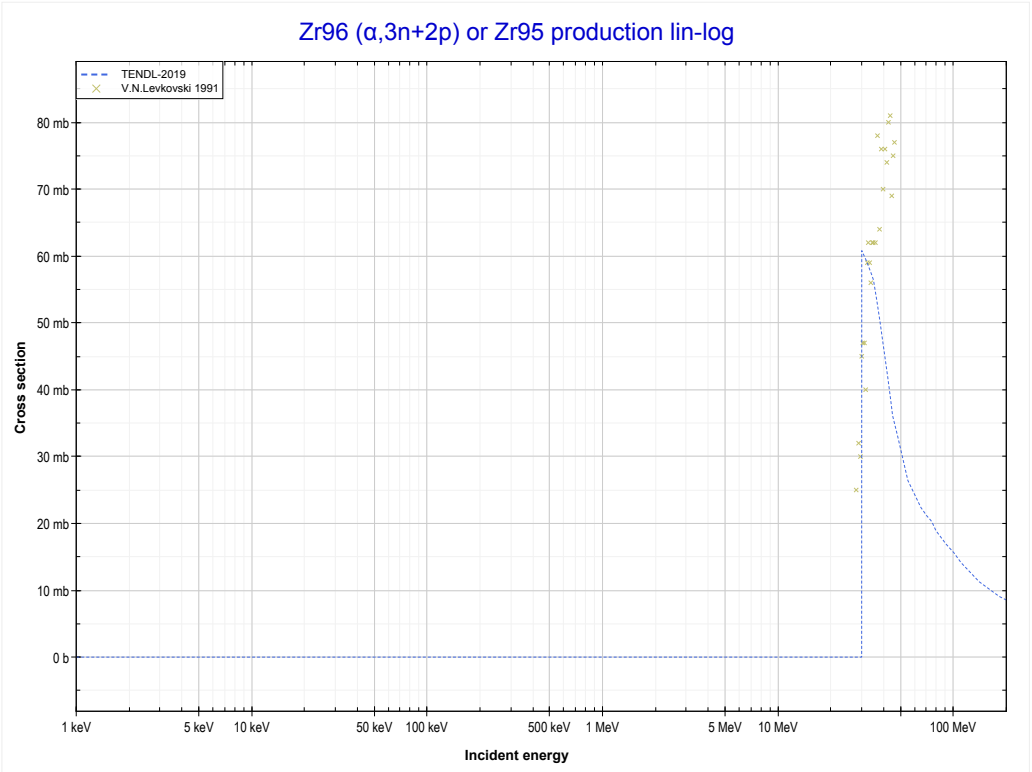
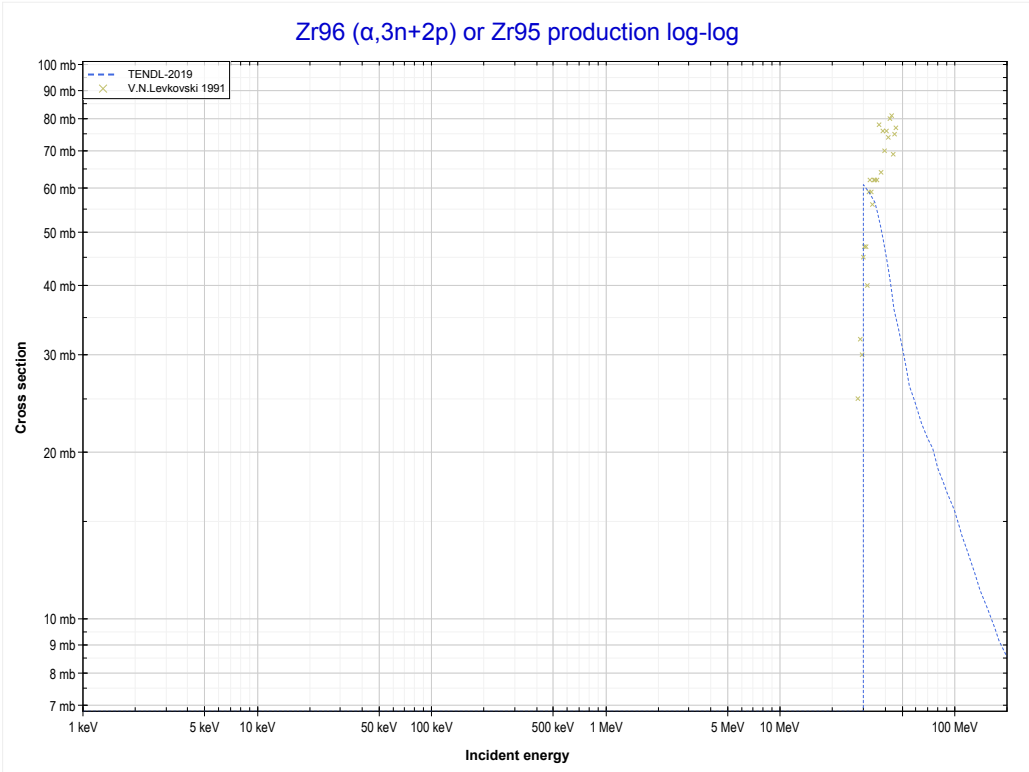
Reaction	Q-Value
Zr96(α ,t)Nb97	-12357.74 keV
Zr96(α ,n+d)Nb97	-18614.97 keV
Zr96(α ,2n+p)Nb97	-20839.54 keV

<< 40-Zr-90	40-Zr-96	41-Nb-93 >>
<< MT105 (α ,t)	MT176 (α,2n+^3He) or MT5 (Zr95 production)	MT179 (α ,3n+2p) >>



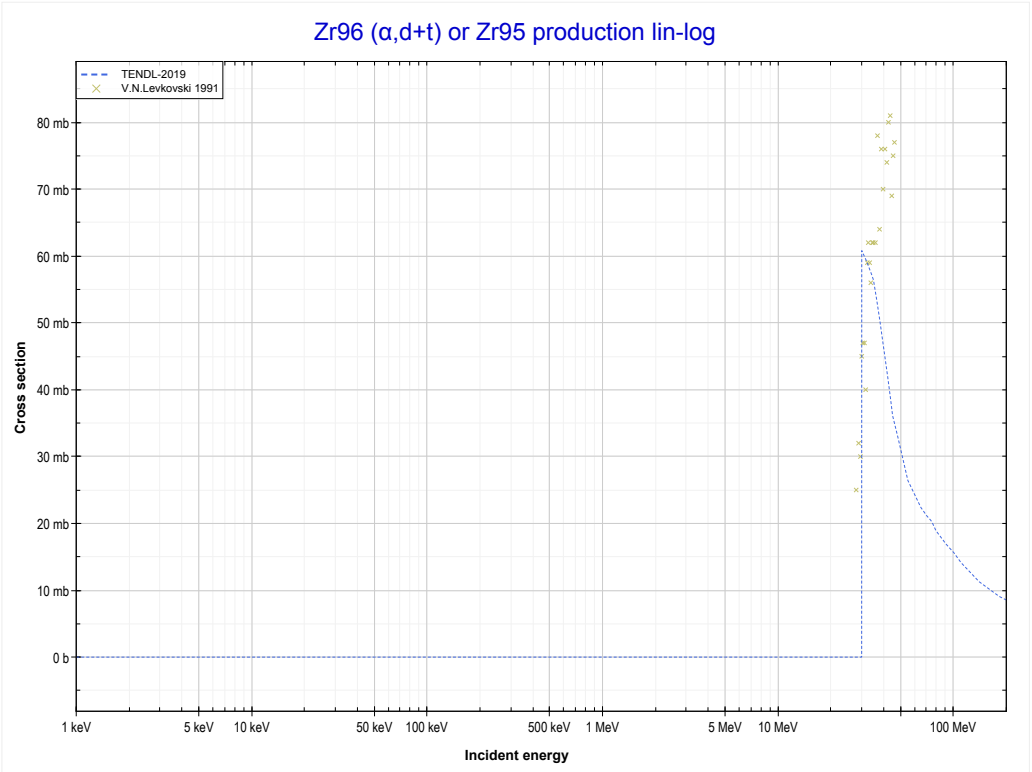
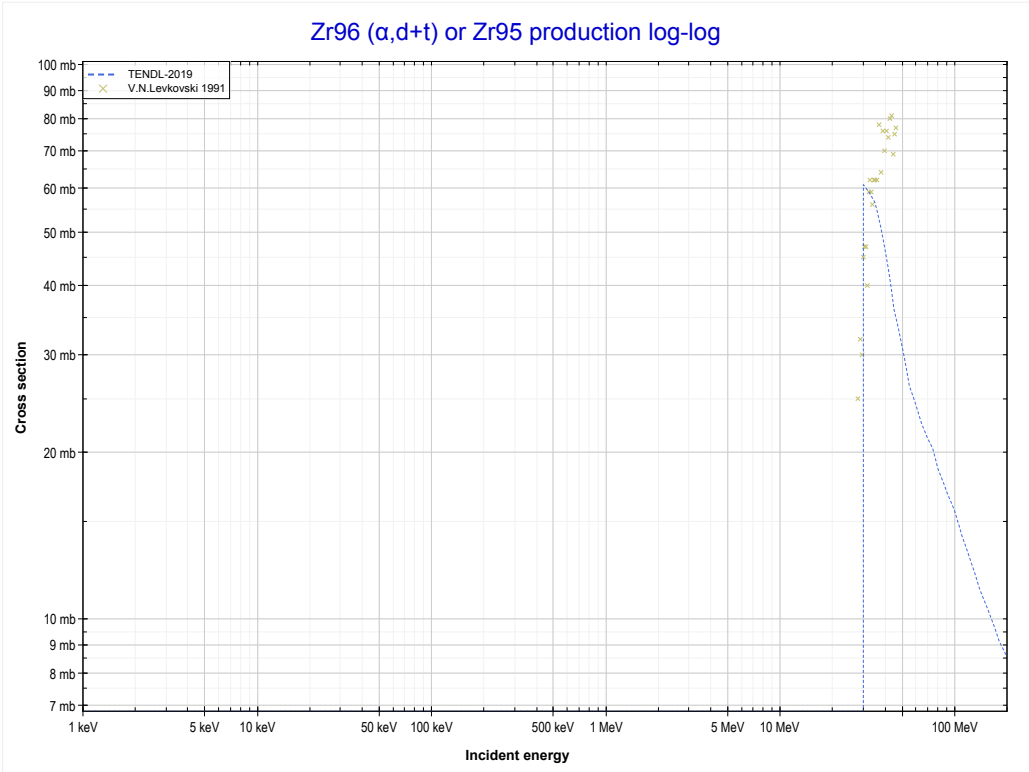
Reaction	Q-Value
Zr96(α ,n+ α)Zr95	-7850.27 keV
Zr96(α ,d+t)Zr95	-25439.57 keV
Zr96(α ,n+p+t)Zr95	-27664.13 keV
Zr96(α ,2n+He3)Zr95	-28427.89 keV
Zr96(α ,n+2d)Zr95	-31696.79 keV
Zr96(α ,2n+p+d)Zr95	-33921.36 keV
Zr96(α ,3n+2p)Zr95	-36145.93 keV

<< 40-Zr-90	40-Zr-96	41-Nb-93 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Zr95 production)	MT182 ($\alpha,d+t$) >>



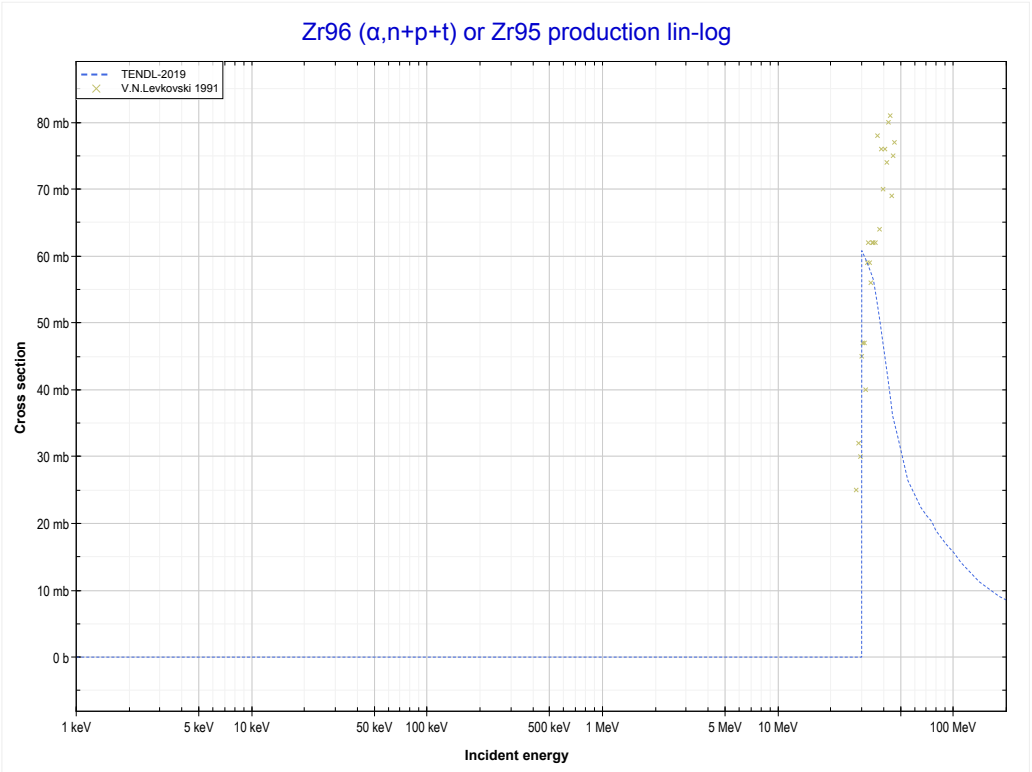
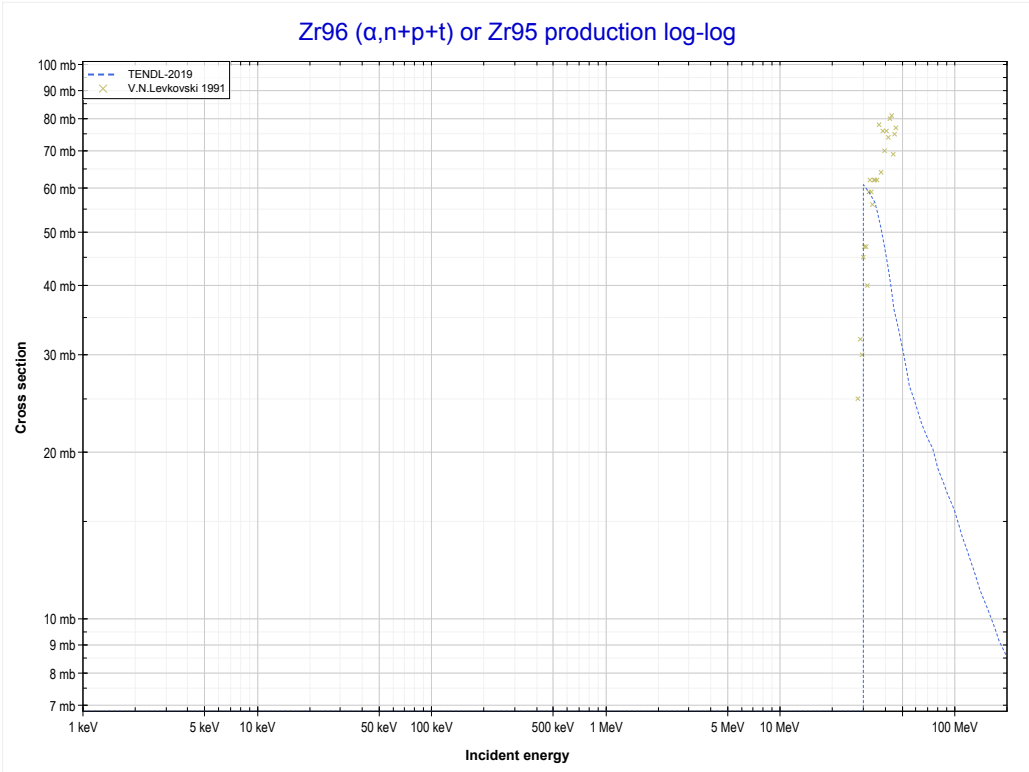
Reaction	Q-Value
Zr96($\alpha,n+\alpha$)Zr95	-7850.27 keV
Zr96($\alpha,d+t$)Zr95	-25439.57 keV
Zr96($\alpha,n+p+t$)Zr95	-27664.13 keV
Zr96($\alpha,2n+^3\text{He}$)Zr95	-28427.89 keV
Zr96($\alpha,n+2d$)Zr95	-31696.79 keV
Zr96($\alpha,2n+p+d$)Zr95	-33921.36 keV
Zr96($\alpha,3n+2p$)Zr95	-36145.93 keV

<< 40-Zr-90	40-Zr-96	41-Nb-93 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Zr95 production)	MT184 ($\alpha,n+p+t$) >>



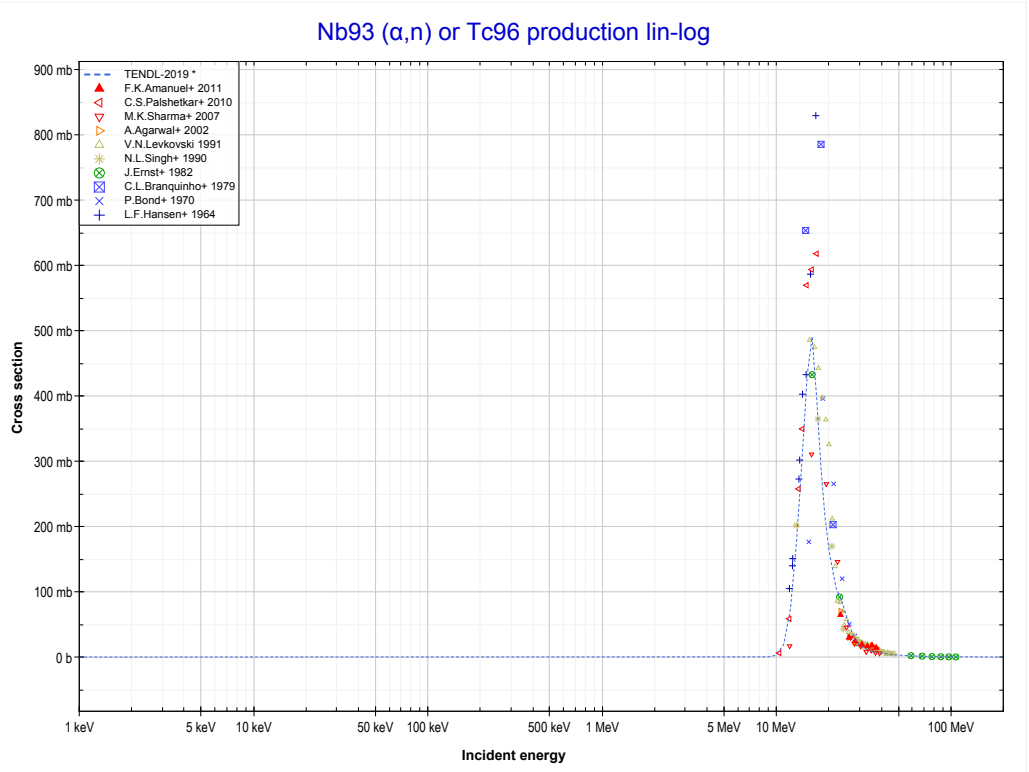
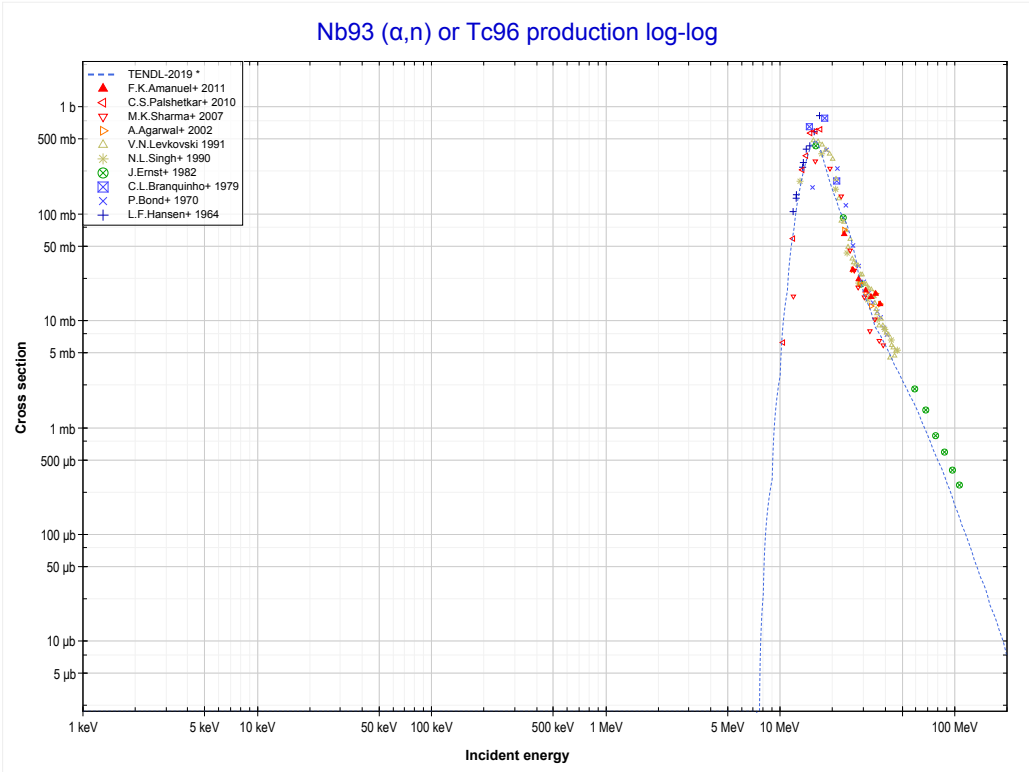
Reaction	Q-Value
Zr96($\alpha,n+\alpha$)Zr95	-7850.27 keV
Zr96($\alpha,d+t$)Zr95	-25439.57 keV
Zr96($\alpha,n+p+t$)Zr95	-27664.13 keV
Zr96($\alpha,2n+He3$)Zr95	-28427.89 keV
Zr96($\alpha,n+2d$)Zr95	-31696.79 keV
Zr96($\alpha,2n+p+d$)Zr95	-33921.36 keV
Zr96($\alpha,3n+2p$)Zr95	-36145.93 keV

<< 40-Zr-90	40-Zr-96	41-Nb-93 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Zr95 production)	41-Nb-93 MT4 (α,n) >>



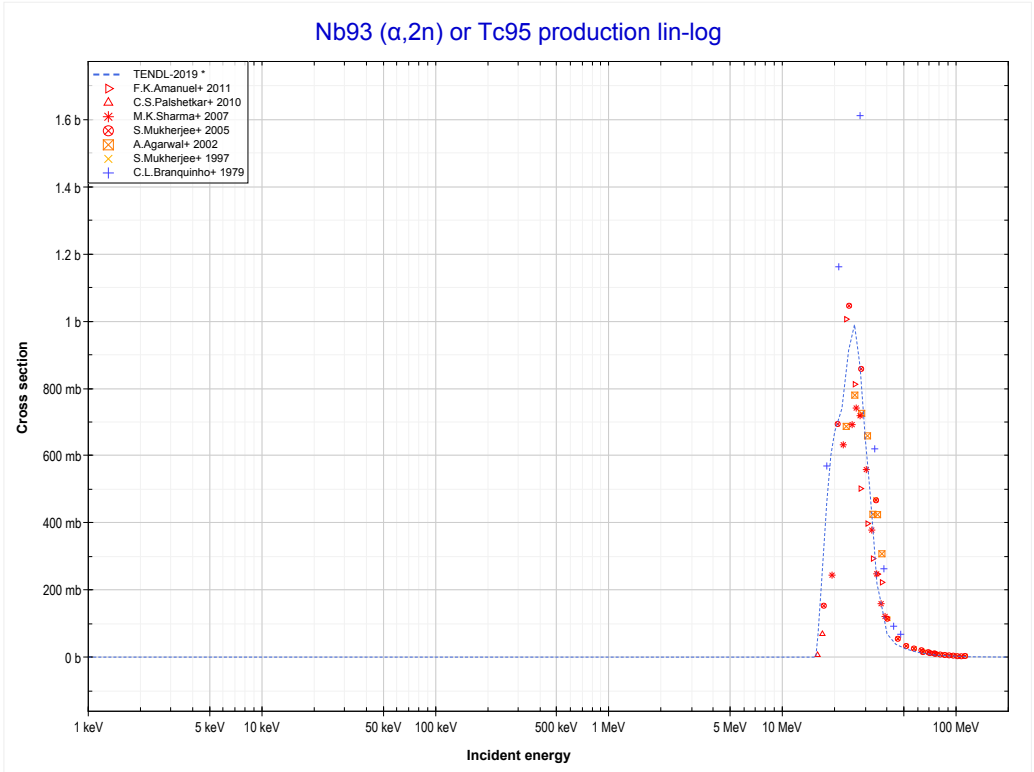
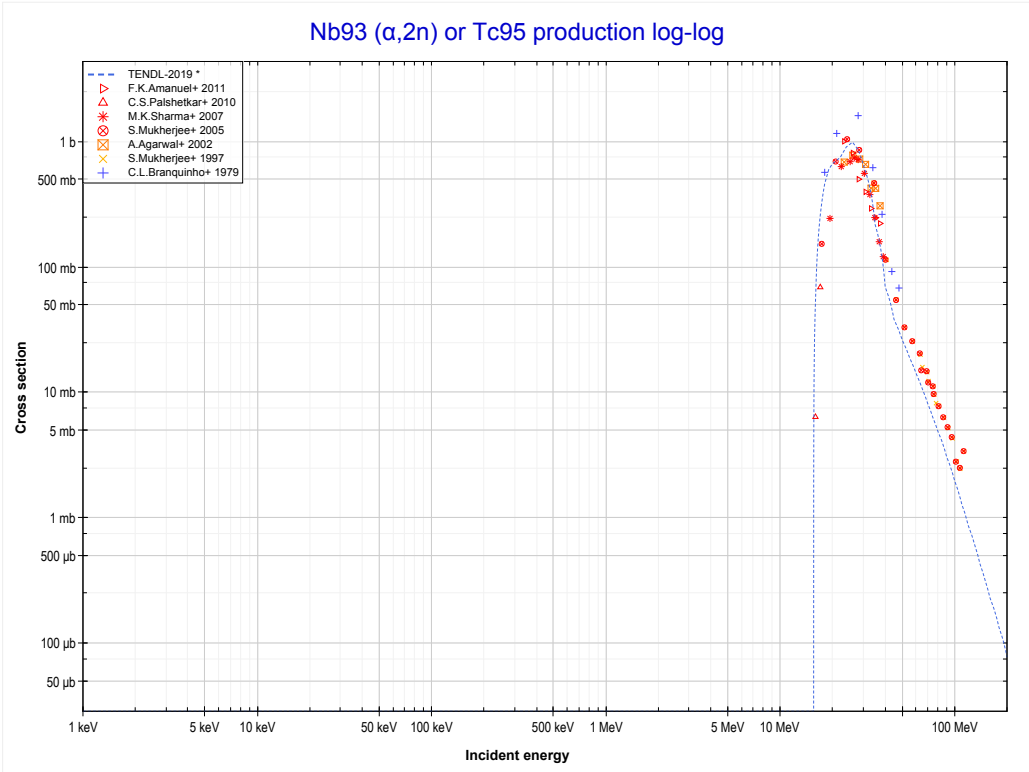
Reaction	Q-Value
Zr96(α,n+α)Zr95	-7850.27 keV
Zr96(α,d+t)Zr95	-25439.57 keV
Zr96(α,n+p+t)Zr95	-27664.13 keV
Zr96(α,2n+He3)Zr95	-28427.89 keV
Zr96(α,n+2d)Zr95	-31696.79 keV
Zr96(α,2n+p+d)Zr95	-33921.36 keV
Zr96(α,3n+2p)Zr95	-36145.93 keV

<< 40-Zr-96	41-Nb-93	42-Mo-92 >>
<< 40-Zr-96 MT184 (α ,n+p+t)	MT4 (α ,n) or MT5 (Tc96 production)	MT16 (α ,2n) >>



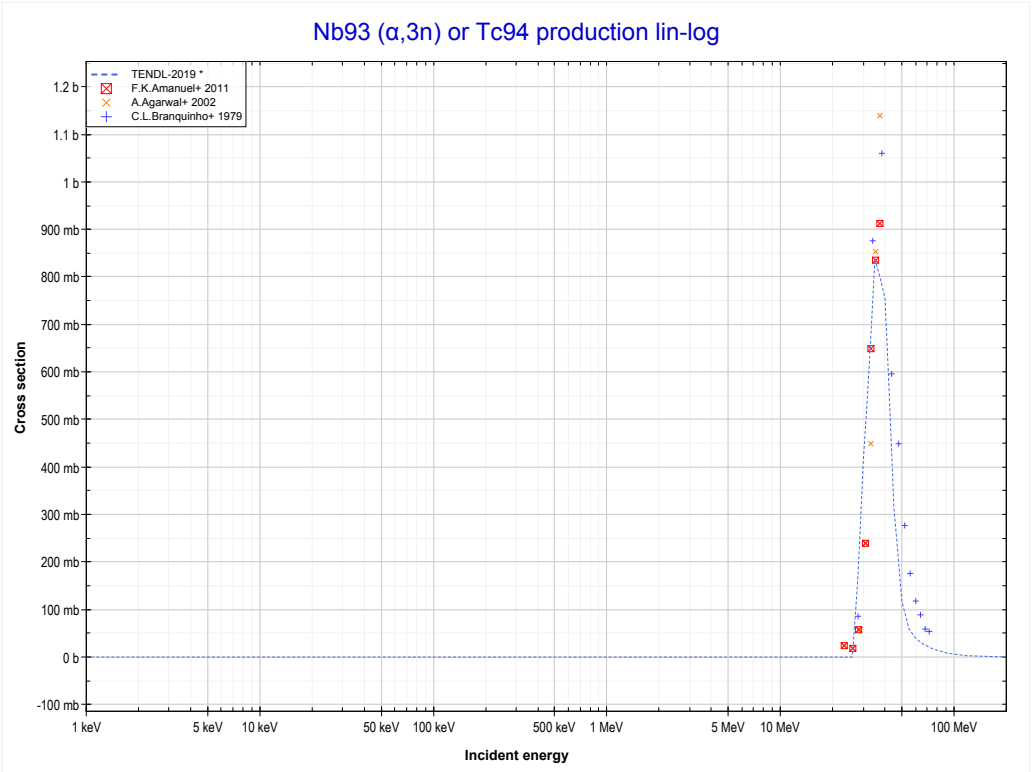
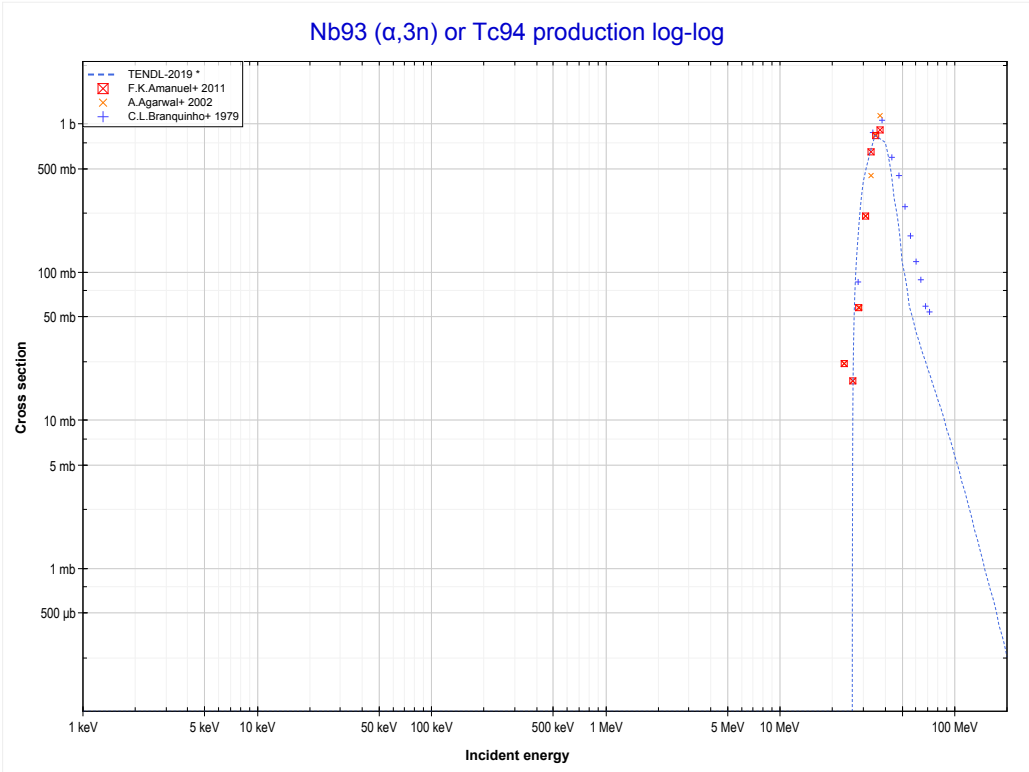
Reaction	Q-Value
Nb93(α ,n)Tc96	-7037.20 keV

<< 38-Sr-87	41-Nb-93	42-Mo-92 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Tc95 production)	MT17 (α,3n) >>



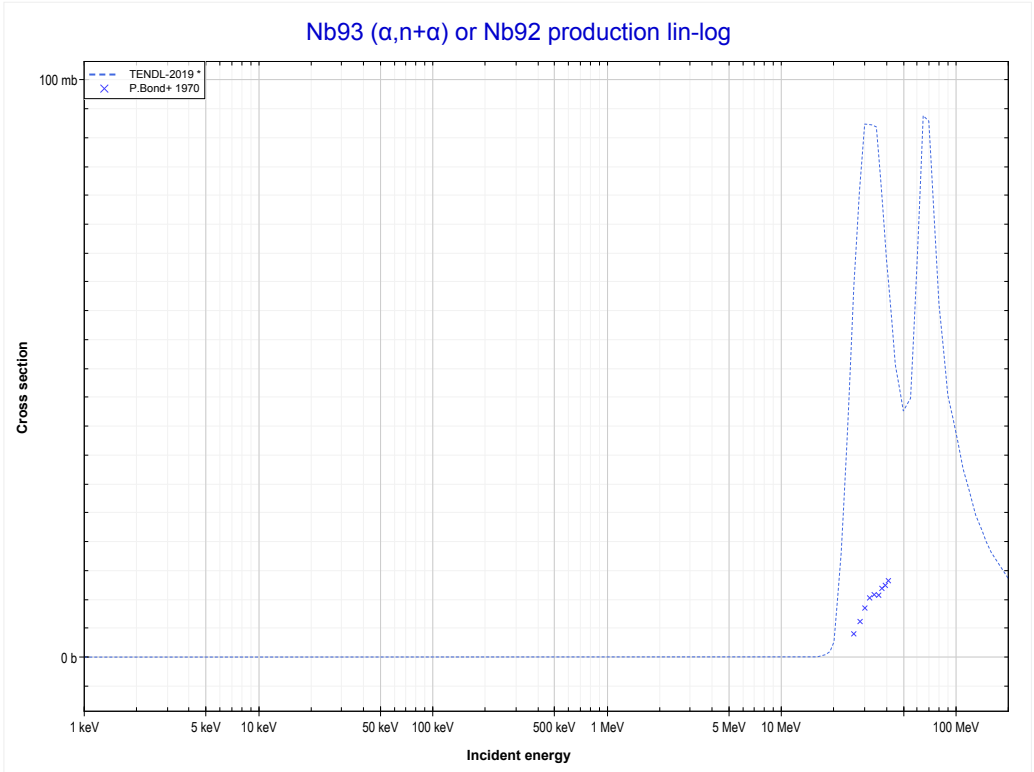
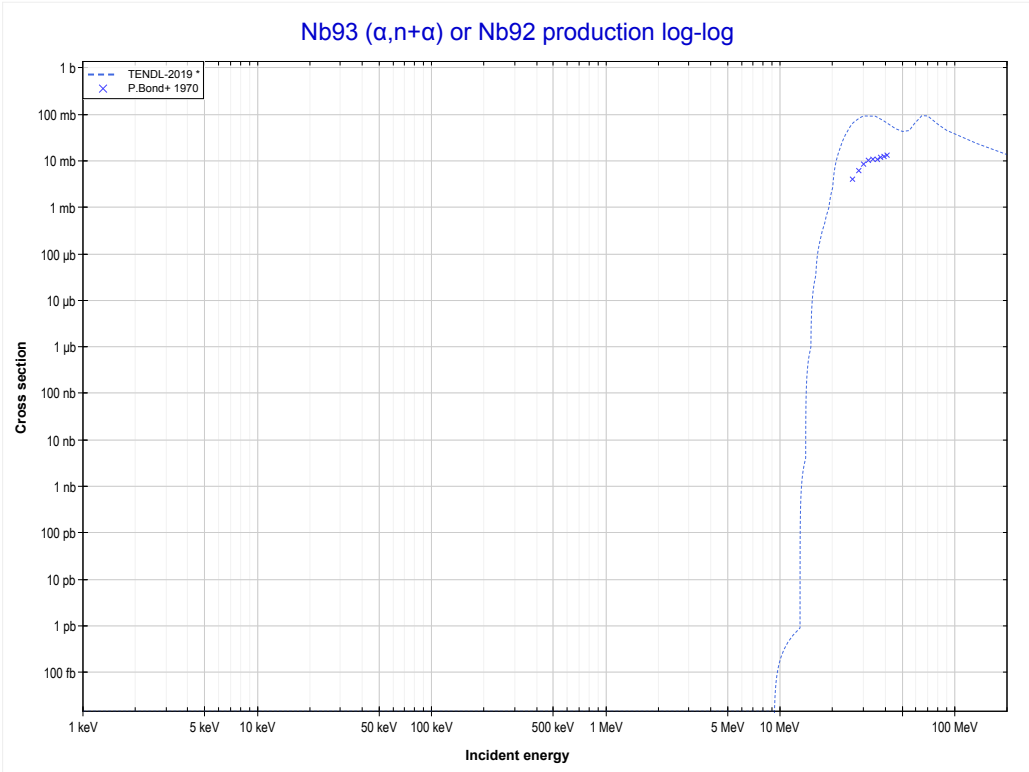
Reaction	Q-Value
Nb93(α,2n)Tc95	-14909.52 keV

<< 39-Y-89	41-Nb-93	42-Mo-94 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Tc94 production)	MT22 ($\alpha,n+\alpha$) >>



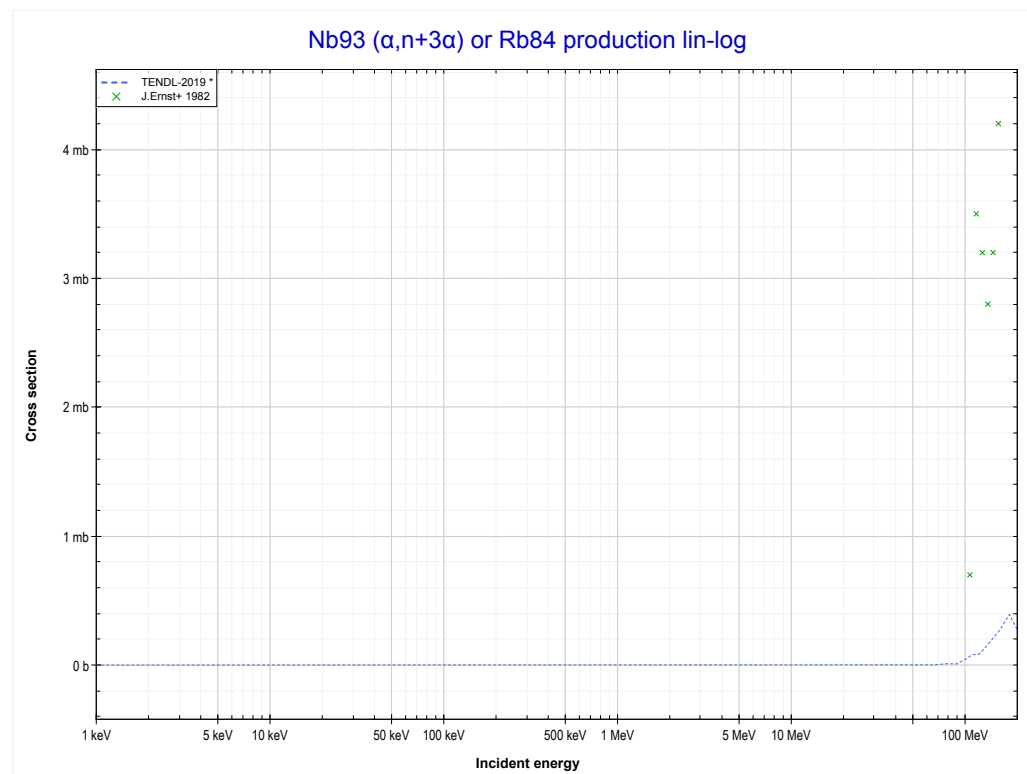
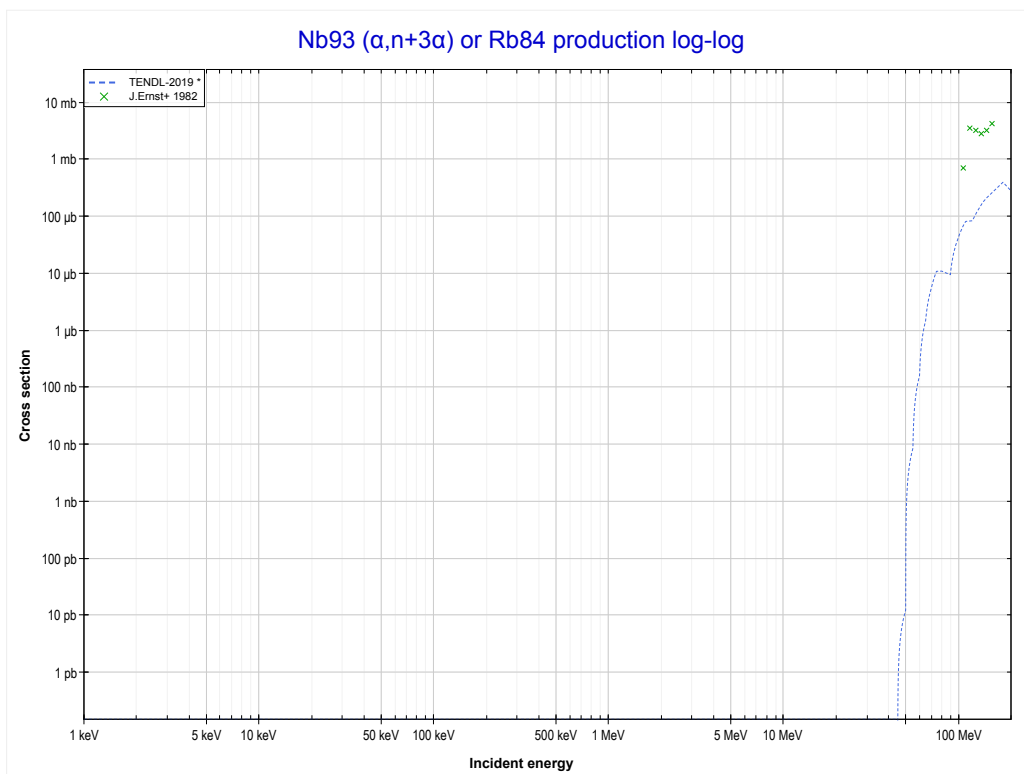
Reaction	Q-Value
Nb93($\alpha,3n$)Tc94	-24843.84 keV

<< 40-Zr-96	41-Nb-93	42-Mo-100 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Nb92 production)	MT23 (α,n+3α) >>



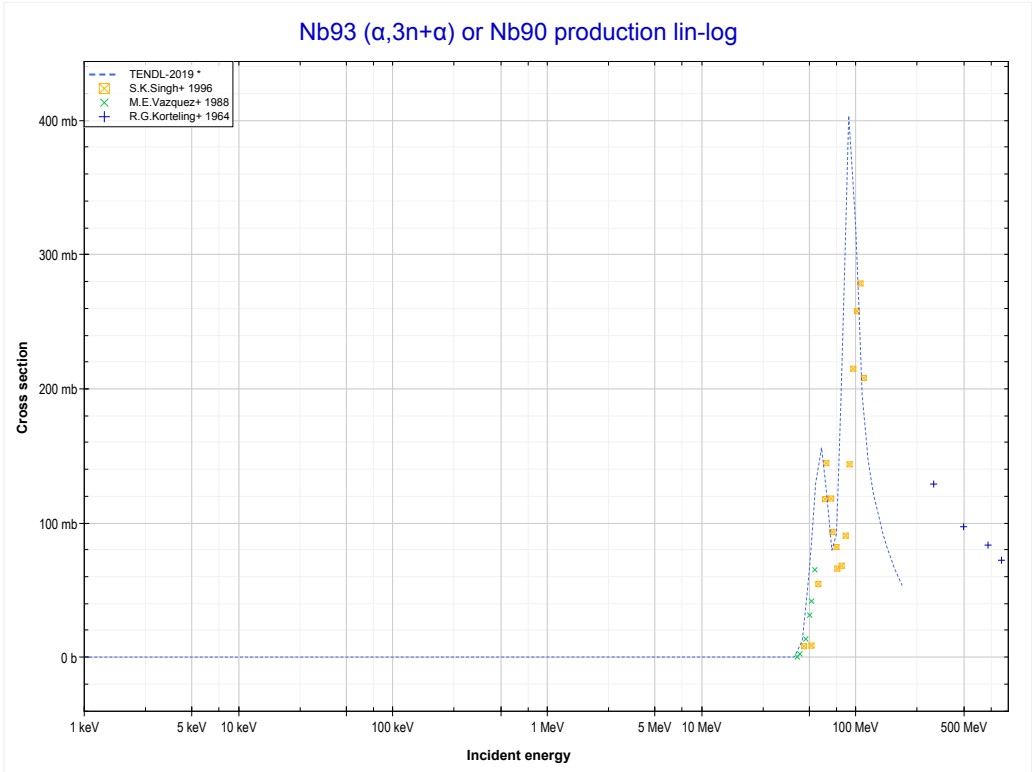
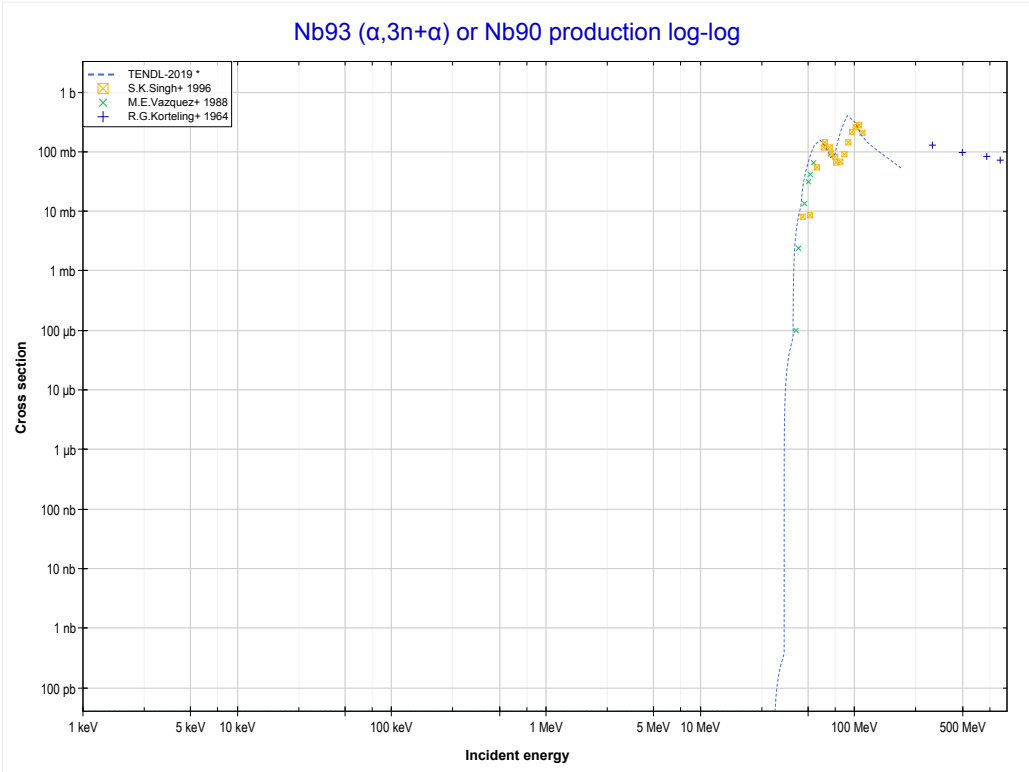
Reaction	Q-Value
Nb93(α,n+α)Nb92	-8830.82 keV
Nb93(α,d+t)Nb92	-26420.12 keV
Nb93(α,n+p+t)Nb92	-28644.68 keV
Nb93(α,2n+He3)Nb92	-29408.44 keV
Nb93(α,n+2d)Nb92	-32677.34 keV
Nb93(α,2n+p+d)Nb92	-34901.91 keV
Nb93(α,3n+2p)Nb92	-37126.48 keV

<< 13-Al-27	41-Nb-93	
<< MT22 ($\alpha, n + \alpha$)	MT23 ($\alpha, n + 3\alpha$) or MT5 (Rb84 production)	MT25 ($\alpha, 3n + \alpha$) >>



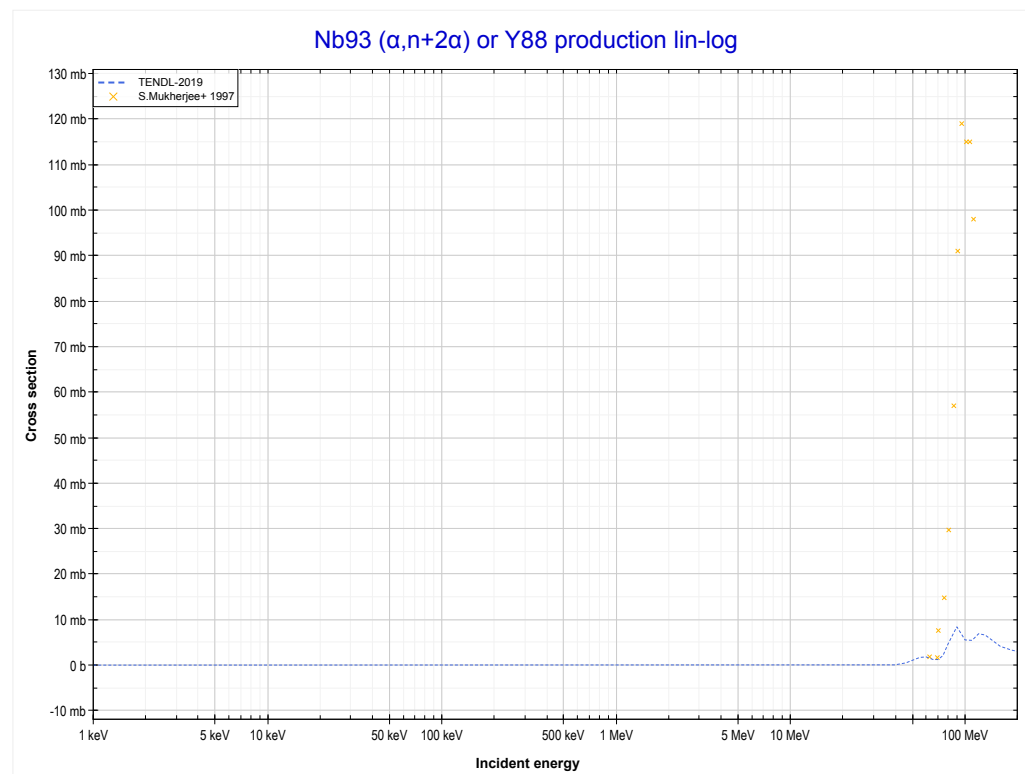
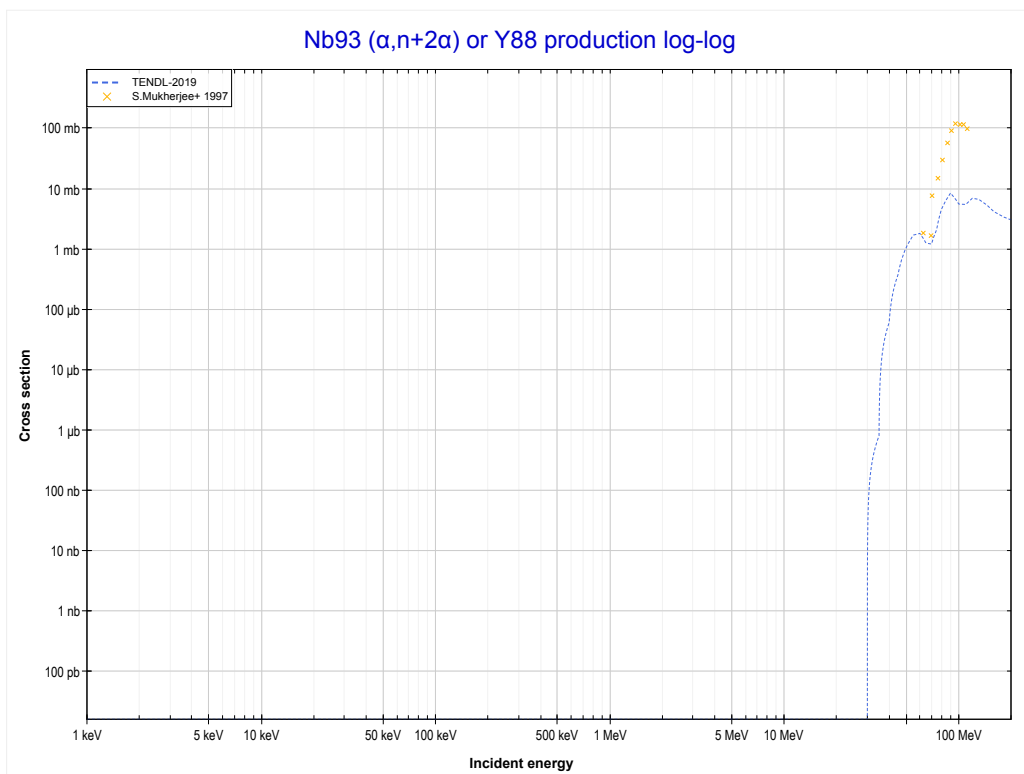
Reaction	Q-Value	Reaction	Q-Value
Nb93($\alpha, n + 3\alpha$)Rb84	-20374.95 keV	Nb93($\alpha, p + d + 2t + \alpha$)Rb84	-57778.11 keV
Nb93($\alpha, d + t + 2\alpha$)Rb84	-37964.25 keV	Nb93($\alpha, n + d + t + \text{He3} + \alpha$)Rb84	-58541.87 keV
Nb93($\alpha, n + p + t + 2\alpha$)Rb84	-40188.81 keV	Nb93($\alpha, n + 2p + 2t + \alpha$)Rb84	-60002.68 keV
Nb93($\alpha, 2n + \text{He3} + 2\alpha$)Rb84	-40952.57 keV	Nb93($\alpha, 2n + p + t + \text{He3} + \alpha$)Rb84	-60766.43 keV
Nb93($\alpha, n + 2d + 2\alpha$)Rb84	-44221.48 keV	Nb93($\alpha, 3n + 2\text{He3} + \alpha$)Rb84	-61530.19 keV
Nb93($\alpha, 2n + p + d + 2\alpha$)Rb84	-46446.04 keV	Nb93($\alpha, 3d + t + \alpha$)Rb84	-61810.77 keV
Nb93($\alpha, 3n + 2p + 2\alpha$)Rb84	-48670.61 keV	Nb93($\alpha, n + p + 2d + t + \alpha$)Rb84	-64035.34 keV
Nb93($\alpha, 2t + \text{He3} + \alpha$)Rb84	-52284.64 keV	Nb93($\alpha, 2n + 2d + \text{He3} + \alpha$)Rb84	-64799.10 keV

<< 40-Zr-90	41-Nb-93	45-Rh-103 >>
<< MT23 ($\alpha,n+3\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (Nb90 production)	MT29 ($\alpha,n+2\alpha$) >>



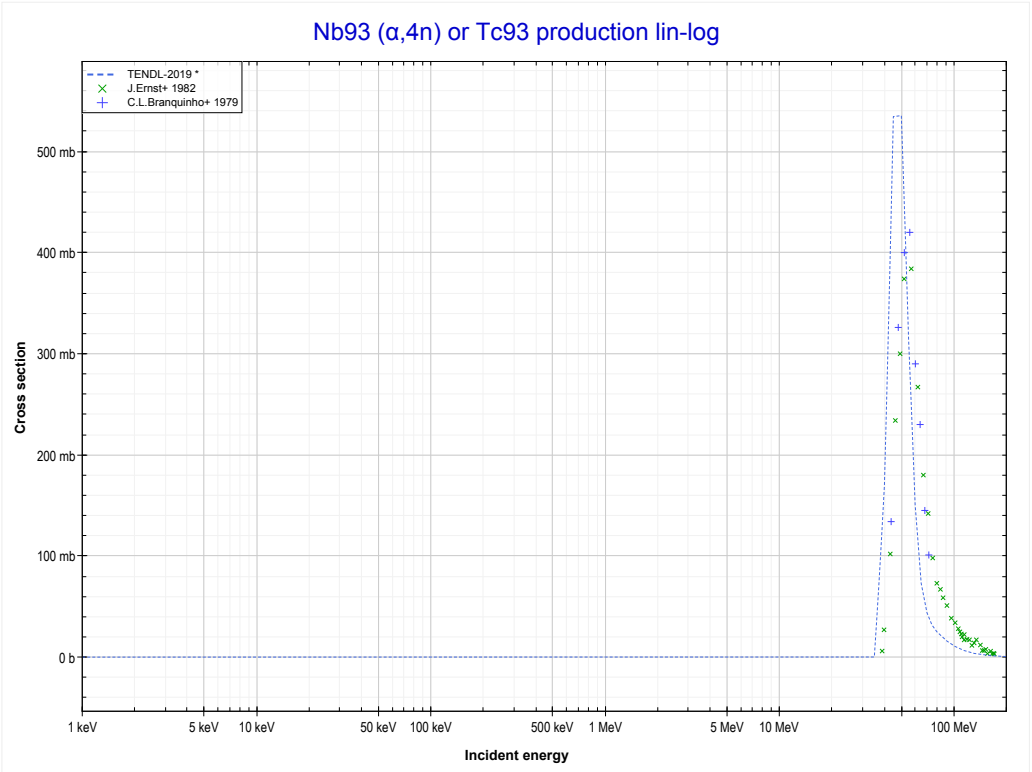
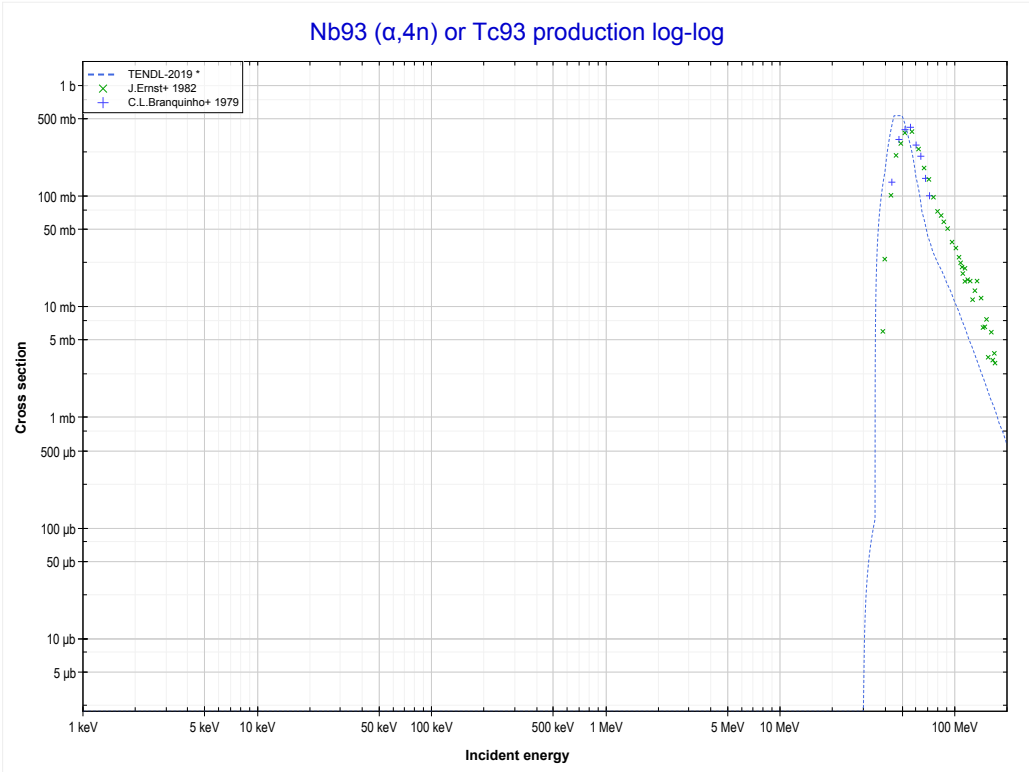
Reaction	Q-Value
Nb93($\alpha,3n+\alpha$)Nb90	-28764.75 keV
Nb93($\alpha,n+2t$)Nb90	-40096.82 keV
Nb93($\alpha,2n+d+t$)Nb90	-46354.05 keV
Nb93($\alpha,3n+p+t$)Nb90	-48578.62 keV
Nb93($\alpha,4n+He3$)Nb90	-49342.37 keV
Nb93($\alpha,3n+2d$)Nb90	-52611.28 keV
Nb93($\alpha,4n+p+d$)Nb90	-54835.85 keV
Nb93($\alpha,5n+2p$)Nb90	-57060.41 keV

<< 35-Br-79	41-Nb-93	48-Cd-106 >>
<< MT25 ($\alpha, 3n+\alpha$)	MT29 ($\alpha, n+2\alpha$) or MT5 (Y88 production)	MT37 ($\alpha, 4n$) >>



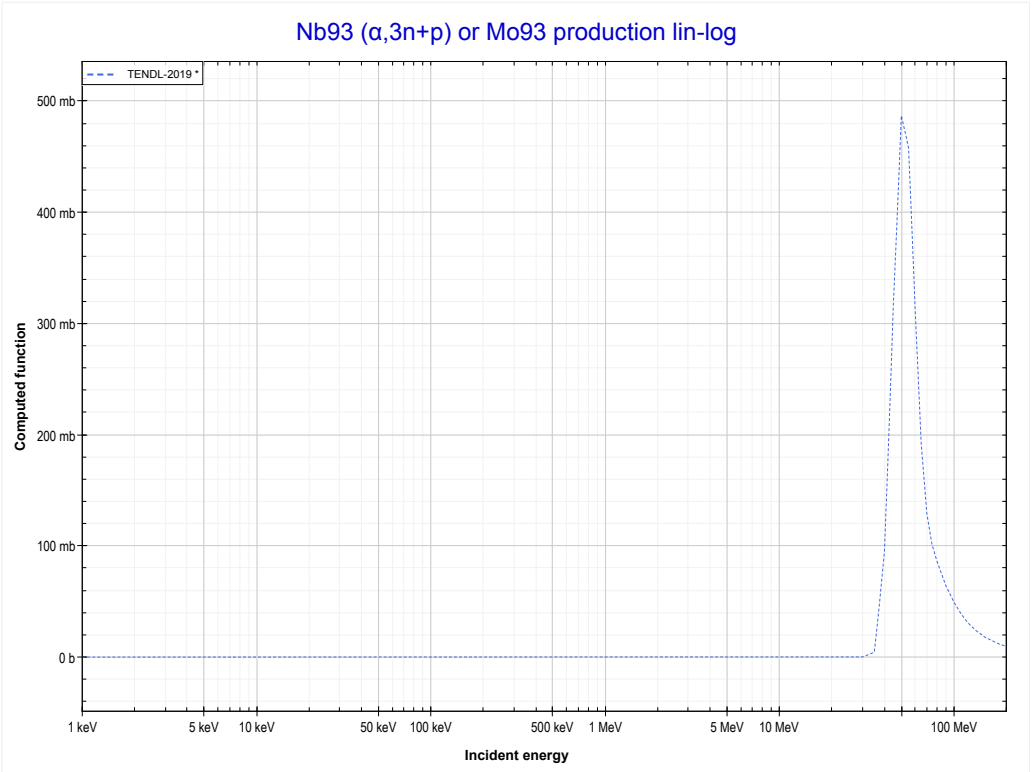
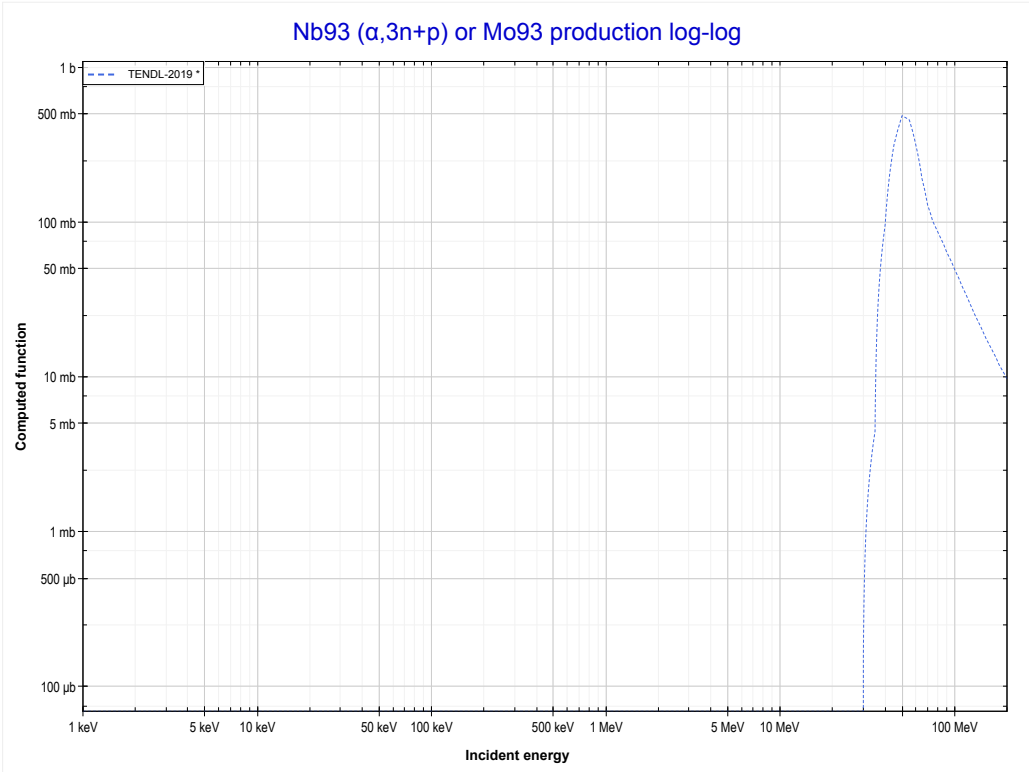
Reaction	Q-Value	Reaction	Q-Value
Nb93($\alpha, n+2\alpha$)Y88	-13410.03 keV	Nb93($\alpha, p+d+2t$)Y88	-50813.20 keV
Nb93($\alpha, d+t+\alpha$)Y88	-30999.33 keV	Nb93($\alpha, n+d+t+He3$)Y88	-51576.95 keV
Nb93($\alpha, n+p+t+\alpha$)Y88	-33223.90 keV	Nb93($\alpha, n+2p+2t$)Y88	-53037.76 keV
Nb93($\alpha, 2n+He3+\alpha$)Y88	-33987.65 keV	Nb93($\alpha, 2n+p+t+He3$)Y88	-53801.52 keV
Nb93($\alpha, n+2d+\alpha$)Y88	-37256.56 keV	Nb93($\alpha, 3n+2He3$)Y88	-54565.27 keV
Nb93($\alpha, 2n+p+d+\alpha$)Y88	-39481.13 keV	Nb93($\alpha, 3d+t$)Y88	-54845.86 keV
Nb93($\alpha, 3n+2p+\alpha$)Y88	-41705.69 keV	Nb93($\alpha, n+p+2d+t$)Y88	-57070.43 keV
Nb93($\alpha, 2t+He3$)Y88	-45319.72 keV	Nb93($\alpha, 2n+2d+He3$)Y88	-57834.18 keV

<< 40-Zr-90	41-Nb-93	42-Mo-94 >>
<< MT29 ($\alpha,n+2\alpha$)	MT37 ($\alpha,4n$) or MT5 (Tc93 production)	MT42 ($\alpha,3n+p$) >>



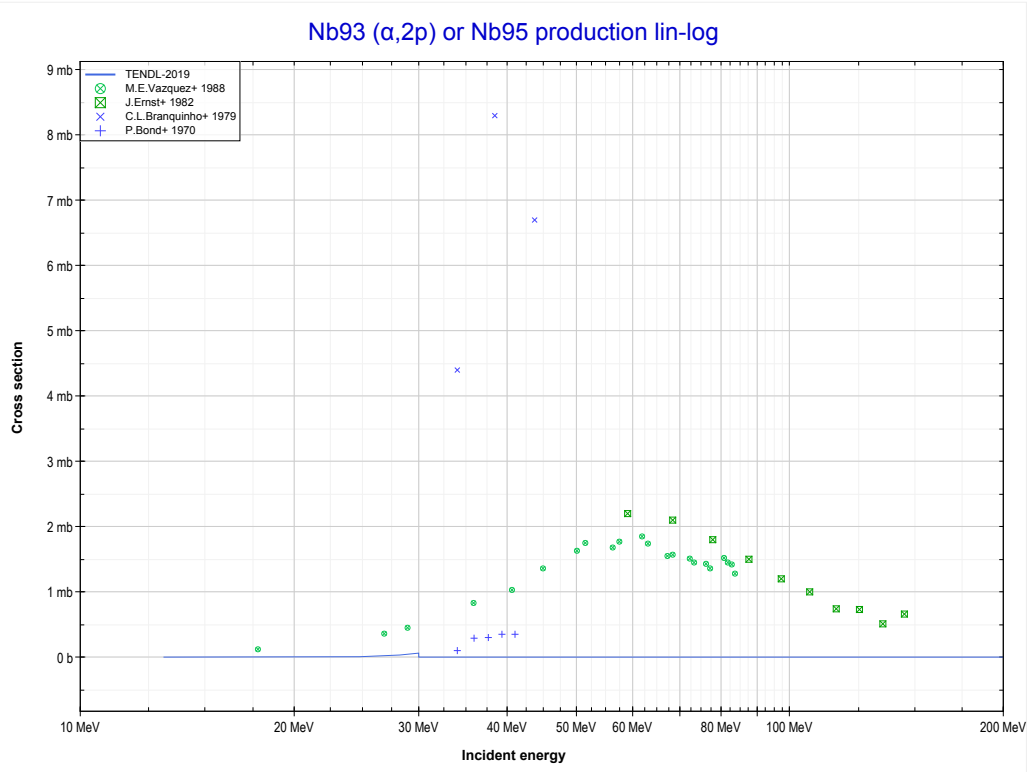
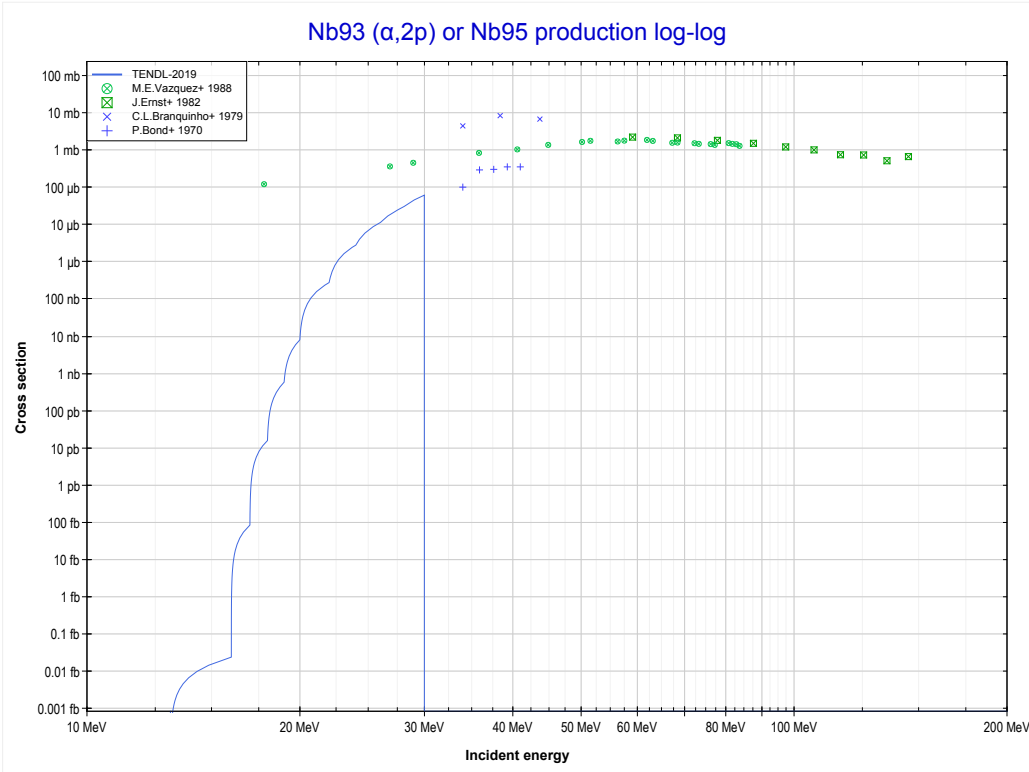
Reaction	Q-Value
Nb93($\alpha,4n$)Tc93	-33467.05 keV

<< 40-Zr-90	41-Nb-93	42-Mo-94 >>
<< MT37 ($\alpha,4n$)	MT42 ($\alpha,3n+p$) or MT5 (Mo93 production)	MT111 ($\alpha,2p$) >>



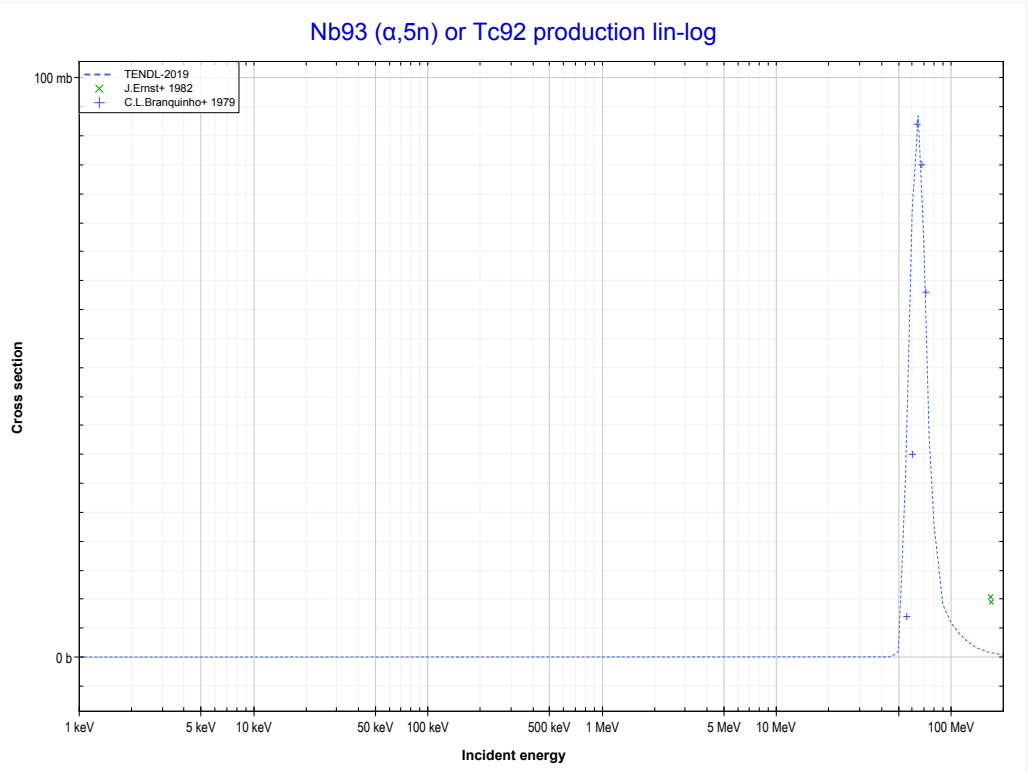
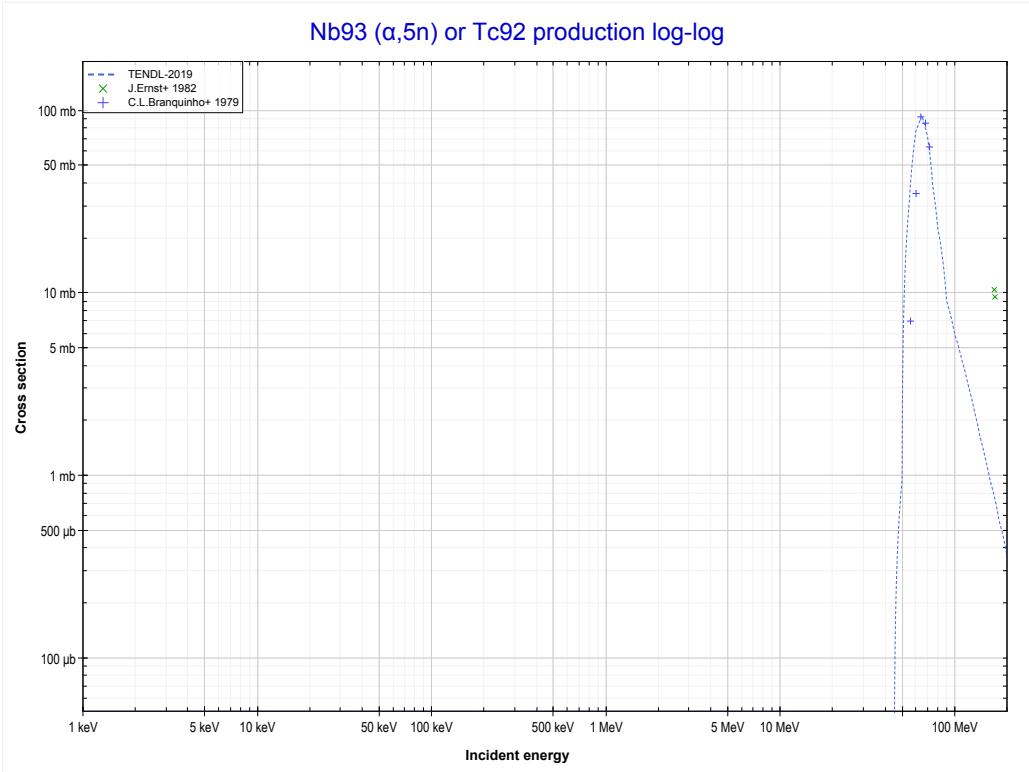
Reaction	Q-Value
Nb93($\alpha,n+t$)Mo93	-21001.94 keV
Nb93($\alpha,2n+d$)Mo93	-27259.17 keV
Nb93($\alpha,3n+p$)Mo93	-29483.74 keV

<< 30-Zn-70	41-Nb-93	47-Ag-109 >>
<< MT42 ($\alpha,3n+p$)	MT111 ($\alpha,2p$) or MT5 (Nb95 production)	MT152 ($\alpha,5n$) >>



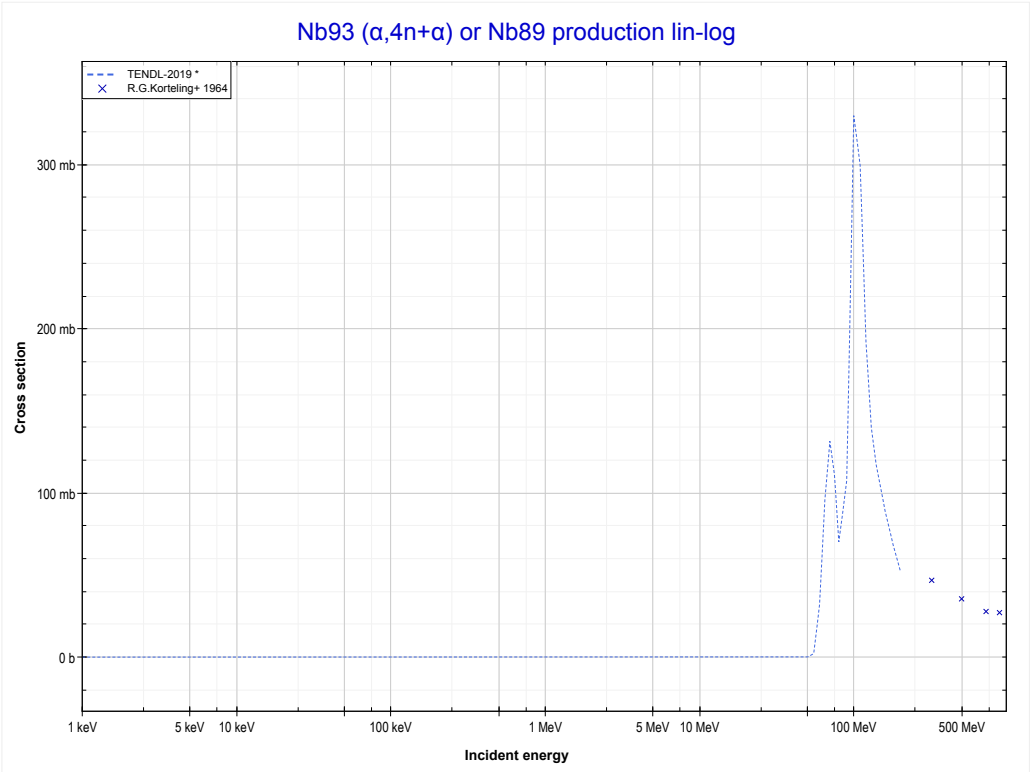
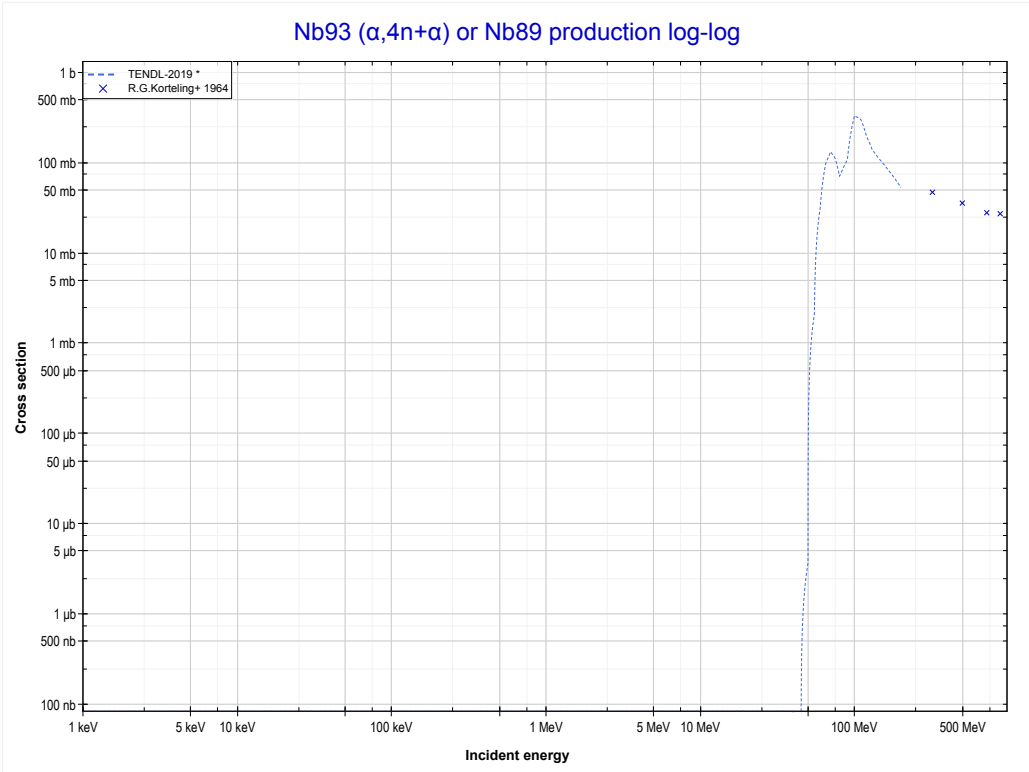
Reaction	Q-Value
Nb93($\alpha,2p$)Nb95	-12579.53 keV

<< 37-Rb-85	41-Nb-93	45-Rh-103 >>
<< MT111 ($\alpha,2p$)	MT152 ($\alpha,5n$) or MT5 (Tc92 production)	MT165 ($\alpha,4n+\alpha$) >>



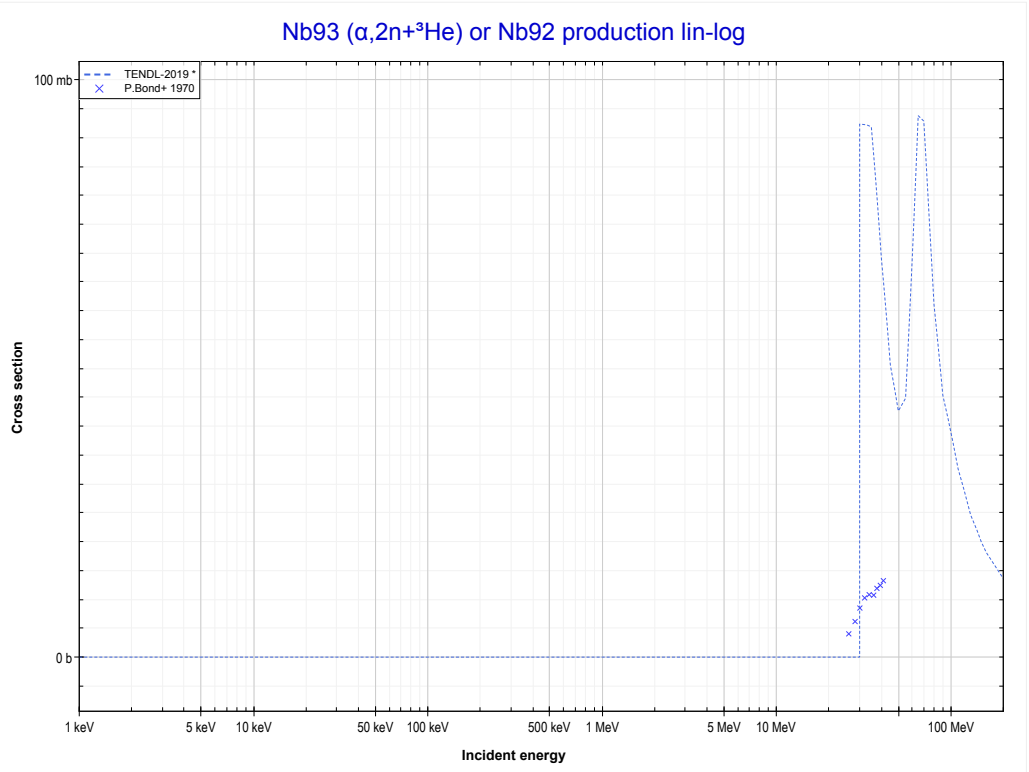
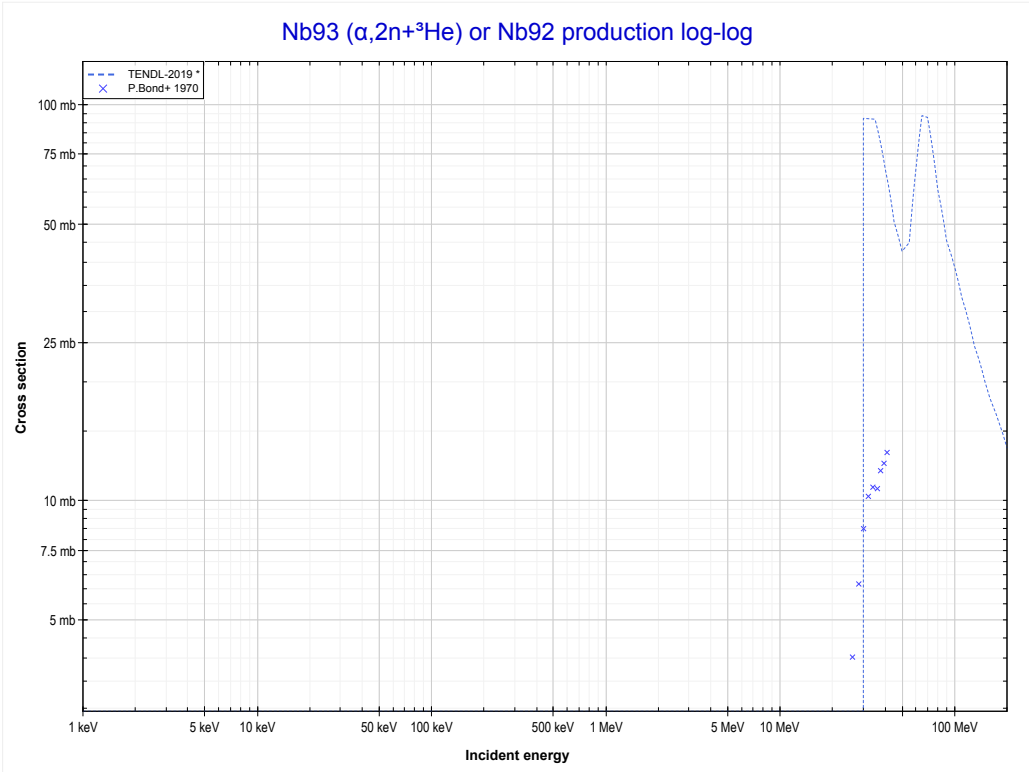
Reaction	Q-Value
Nb93($\alpha,5n$)Tc92	-46218.47 keV

<< 40-Zr-90	41-Nb-93	45-Rh-103 >>
<< MT152 ($\alpha,5n$)	MT165 ($\alpha,4n+\alpha$) or MT5 (Nb89 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



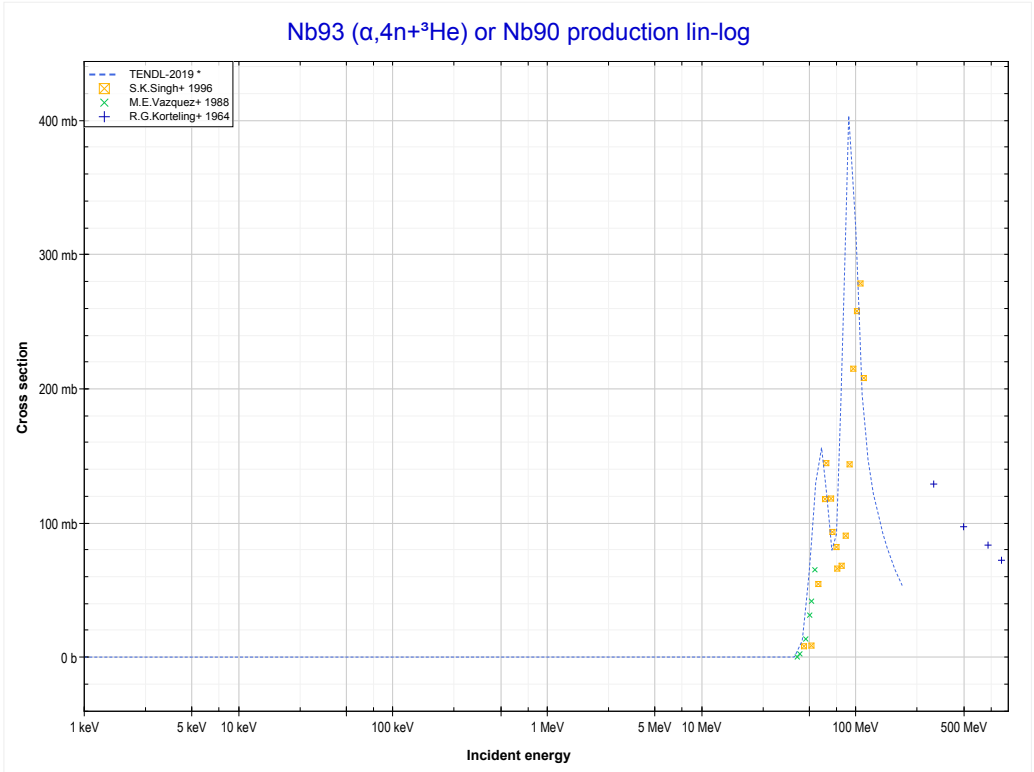
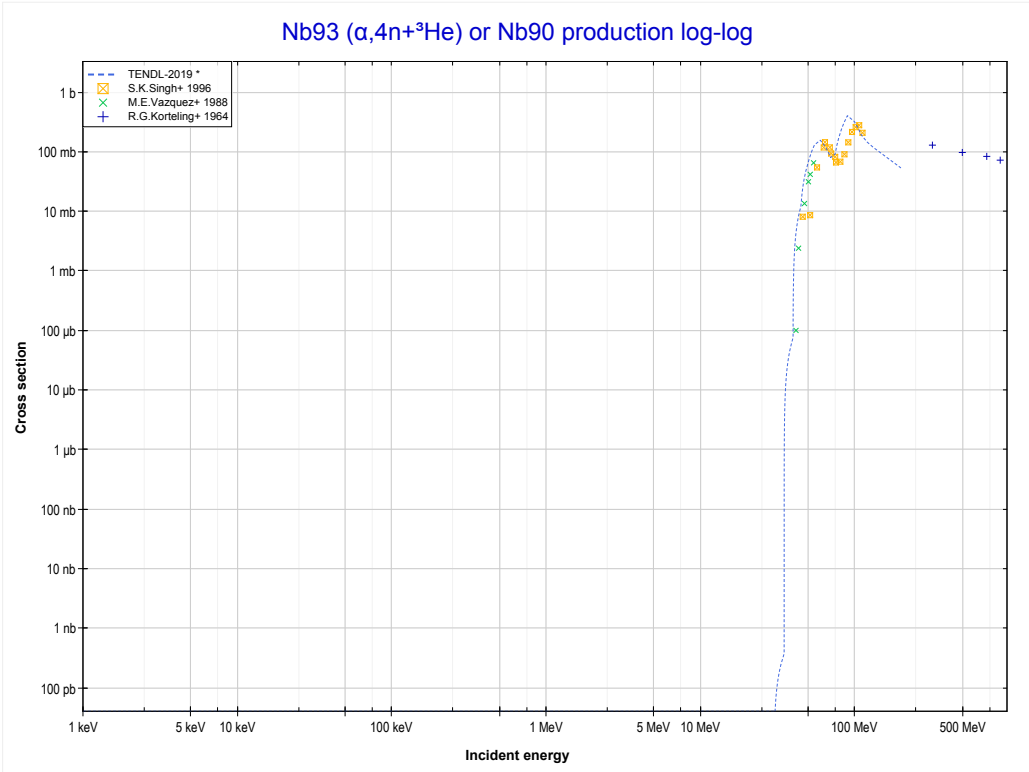
Reaction	Q-Value
Nb93($\alpha,4n+\alpha$)Nb89	-38873.07 keV
Nb93($\alpha,2n+2t$)Nb89	-50205.14 keV
Nb93($\alpha,3n+d+t$)Nb89	-56462.37 keV
Nb93($\alpha,4n+p+t$)Nb89	-58686.93 keV
Nb93($\alpha,5n+^3\text{He}$)Nb89	-59450.69 keV
Nb93($\alpha,4n+2d$)Nb89	-62719.60 keV
Nb93($\alpha,5n+p+d$)Nb89	-64944.16 keV
Nb93($\alpha,6n+2p$)Nb89	-67168.73 keV

<< 40-Zr-96	41-Nb-93	42-Mo-100 >>
<< MT165 ($\alpha,4n+\alpha$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Nb92 production)	MT178 ($\alpha,4n+^3\text{He}$) >>



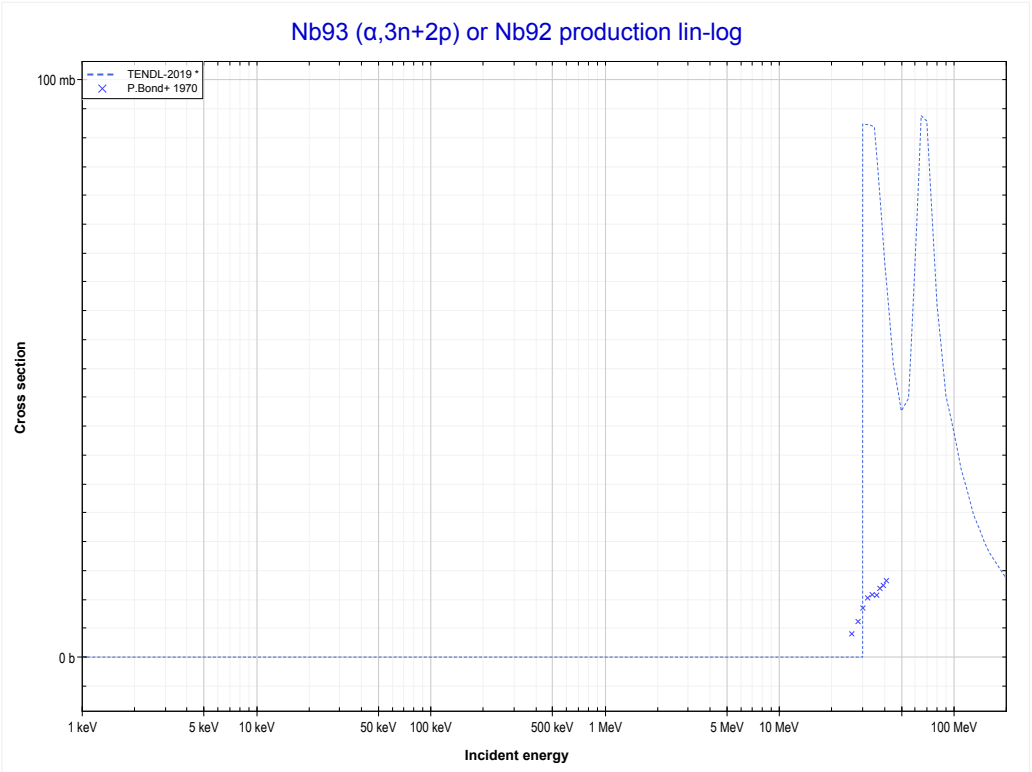
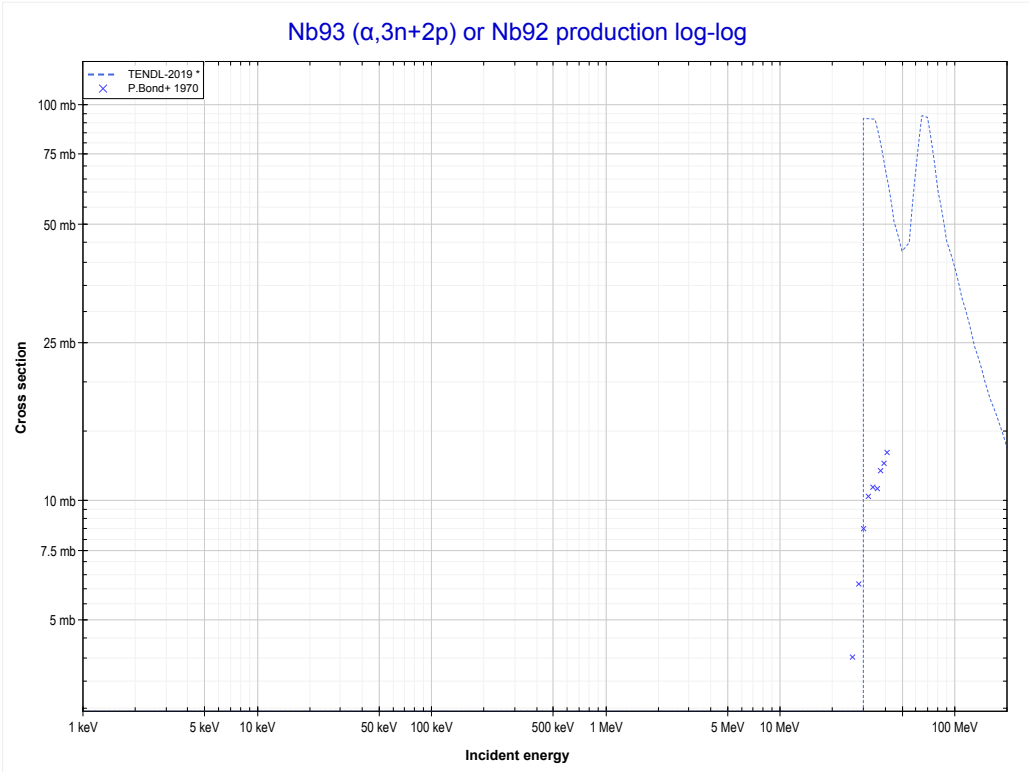
Reaction	Q-Value
Nb93($\alpha,n+\alpha$)Nb92	-8830.82 keV
Nb93($\alpha,d+t$)Nb92	-26420.12 keV
Nb93($\alpha,n+p+t$)Nb92	-28644.68 keV
Nb93($\alpha,2n+\text{He3}$)Nb92	-29408.44 keV
Nb93($\alpha,n+2d$)Nb92	-32677.34 keV
Nb93($\alpha,2n+p+d$)Nb92	-34901.91 keV
Nb93($\alpha,3n+2p$)Nb92	-37126.48 keV

<< 40-Zr-90	41-Nb-93	47-Ag-107 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT178 ($\alpha,4n+^3\text{He}$) or MT5 (Nb90 production)	MT179 ($\alpha,3n+2p$) >>



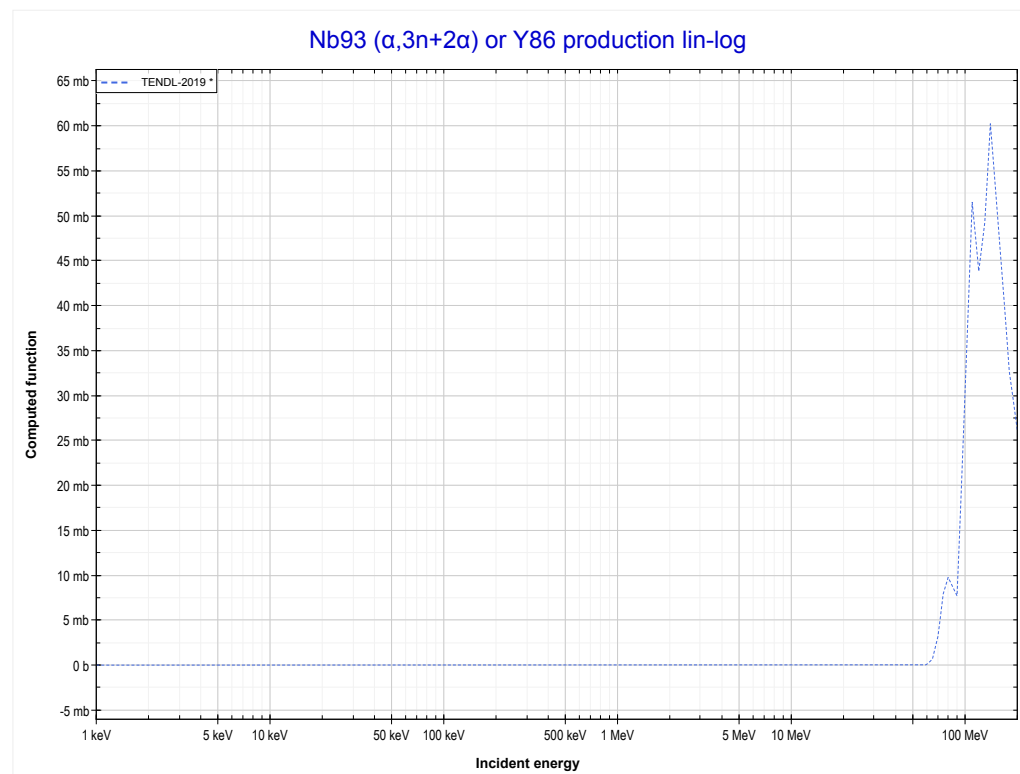
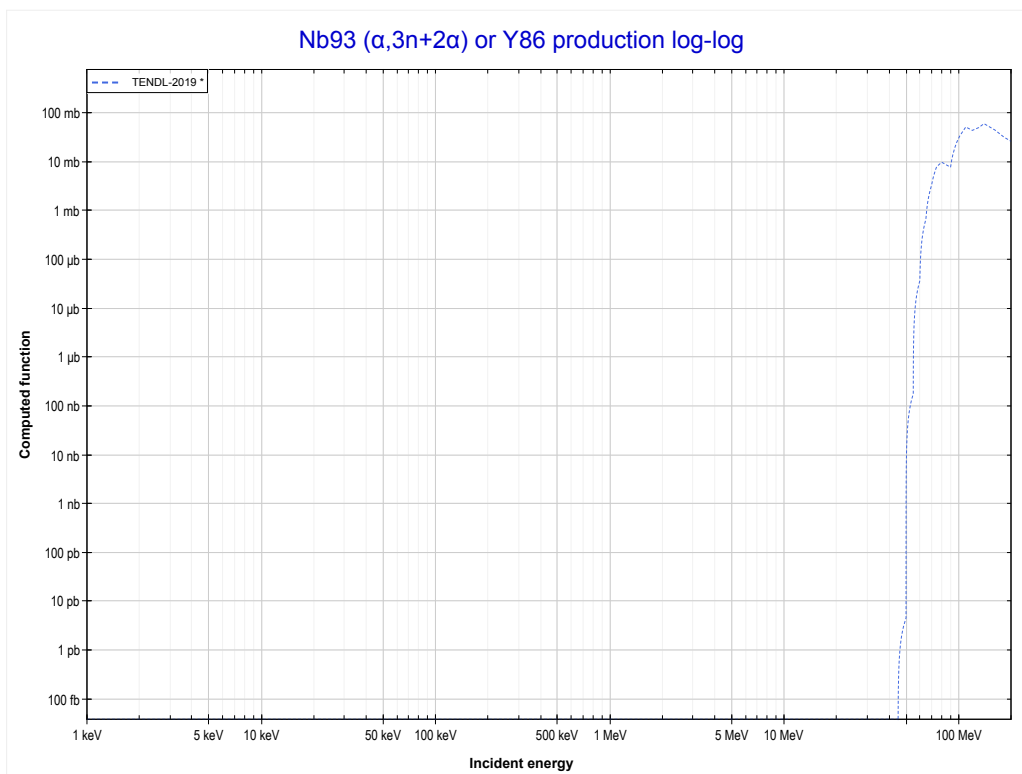
Reaction	Q-Value
Nb93($\alpha,3n+\alpha$)Nb90	-28764.75 keV
Nb93($\alpha,n+2t$)Nb90	-40096.82 keV
Nb93($\alpha,2n+d+t$)Nb90	-46354.05 keV
Nb93($\alpha,3n+p+t$)Nb90	-48578.62 keV
Nb93($\alpha,4n+\text{He3}$)Nb90	-49342.37 keV
Nb93($\alpha,3n+2d$)Nb90	-52611.28 keV
Nb93($\alpha,4n+p+d$)Nb90	-54835.85 keV
Nb93($\alpha,5n+2p$)Nb90	-57060.41 keV

<< 40-Zr-96	41-Nb-93	42-Mo-100 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Nb92 production)	MT180 ($\alpha,3n+2\alpha$) >>



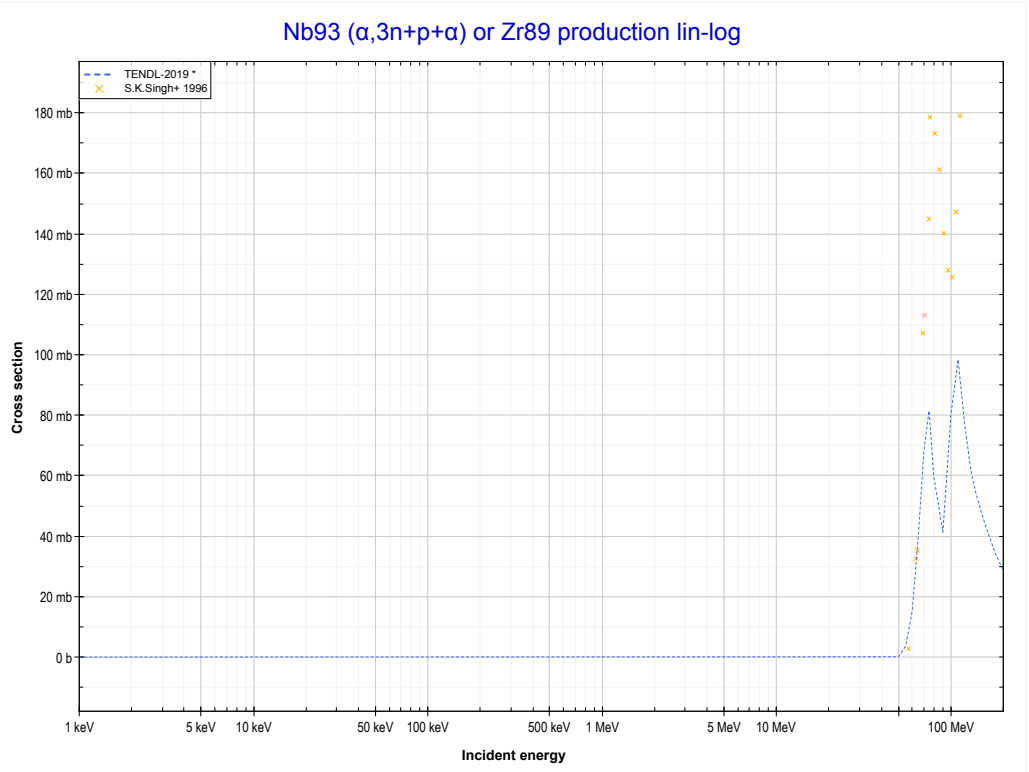
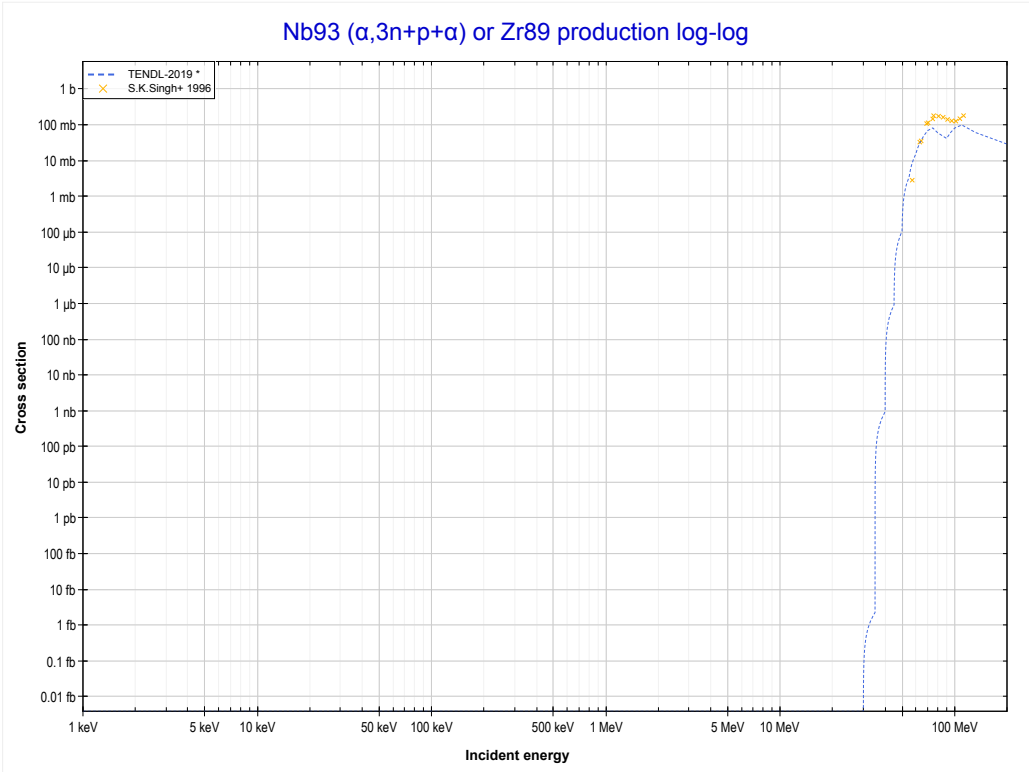
Reaction	Q-Value
Nb93($\alpha,n+\alpha$)Nb92	-8830.82 keV
Nb93($\alpha,d+t$)Nb92	-26420.12 keV
Nb93($\alpha,n+p+t$)Nb92	-28644.68 keV
Nb93($\alpha,2n+\text{He3}$)Nb92	-29408.44 keV
Nb93($\alpha,n+2d$)Nb92	-32677.34 keV
Nb93($\alpha,2n+p+d$)Nb92	-34901.91 keV
Nb93($\alpha,3n+2p$)Nb92	-37126.48 keV

<< 27-Co-59	41-Nb-93	
<< MT179 ($\alpha,3n+2p$)	MT180 ($\alpha,3n+2\alpha$) or MT5 (Y86 production)	MT181 ($\alpha,3n+p+\alpha$) >>



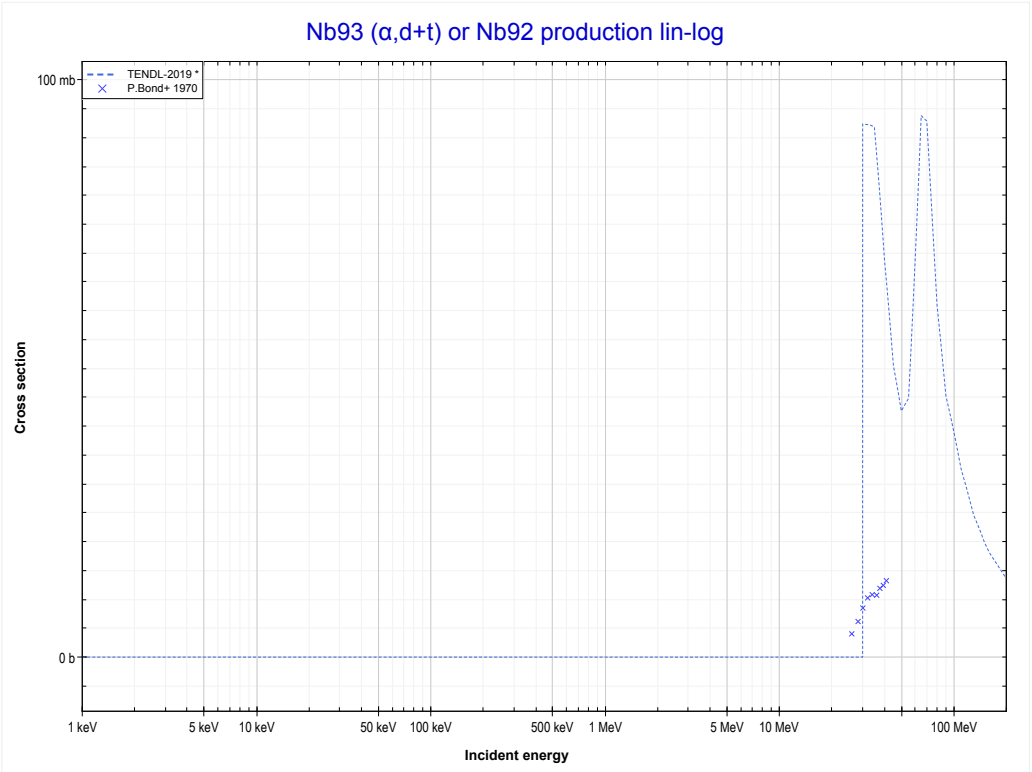
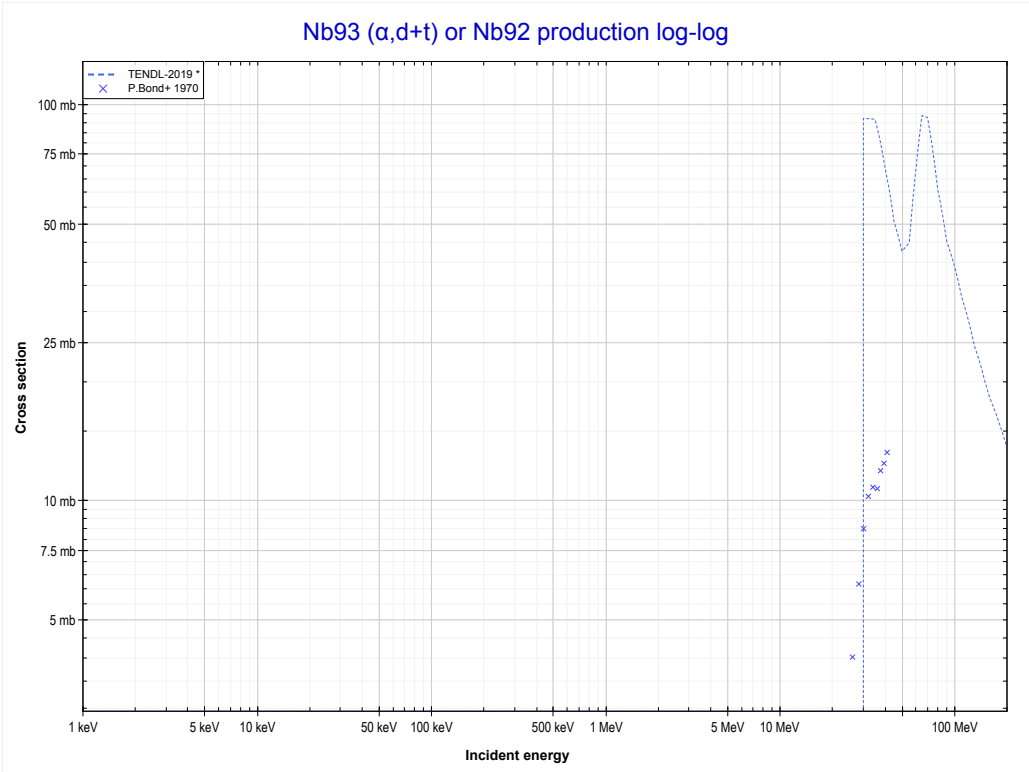
Reaction	Q-Value	Reaction	Q-Value
Nb93($\alpha,3n+2\alpha$)Y86	-34568.67 keV	Nb93($\alpha,d+3t$)Y86	-63490.04 keV
Nb93($\alpha,n+2t+\alpha$)Y86	-45900.74 keV	Nb93($\alpha,n+p+3t$)Y86	-65714.60 keV
Nb93($\alpha,2n+d+t+\alpha$)Y86	-52157.97 keV	Nb93($\alpha,2n+2t+He3$)Y86	-66478.36 keV
Nb93($\alpha,3n+p+t+\alpha$)Y86	-54382.53 keV	Nb93($\alpha,n+2d+2t$)Y86	-69747.26 keV
Nb93($\alpha,4n+He3+\alpha$)Y86	-55146.29 keV	Nb93($\alpha,2n+p+d+2t$)Y86	-71971.83 keV
Nb93($\alpha,3n+2d+\alpha$)Y86	-58415.19 keV	Nb93($\alpha,3n+d+t+He3$)Y86	-72735.59 keV
Nb93($\alpha,4n+p+d+\alpha$)Y86	-60639.76 keV	Nb93($\alpha,3n+2p+2t$)Y86	-74196.40 keV
Nb93($\alpha,5n+2p+\alpha$)Y86	-62864.33 keV	Nb93($\alpha,4n+p+t+He3$)Y86	-74960.15 keV

<< 40-Zr-90	41-Nb-93	
<< MT180 ($\alpha,3n+2\alpha$)	MT181 ($\alpha,3n+p+\alpha$) or MT5 (Zr89 production)	MT182 ($\alpha,d+t$) >>



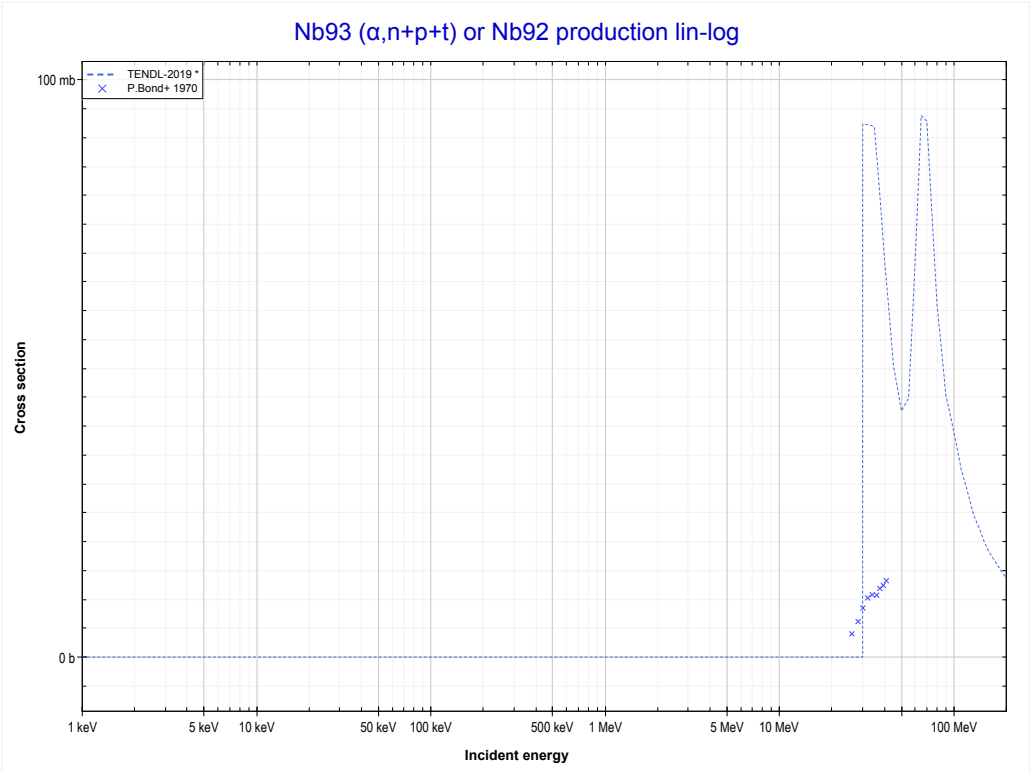
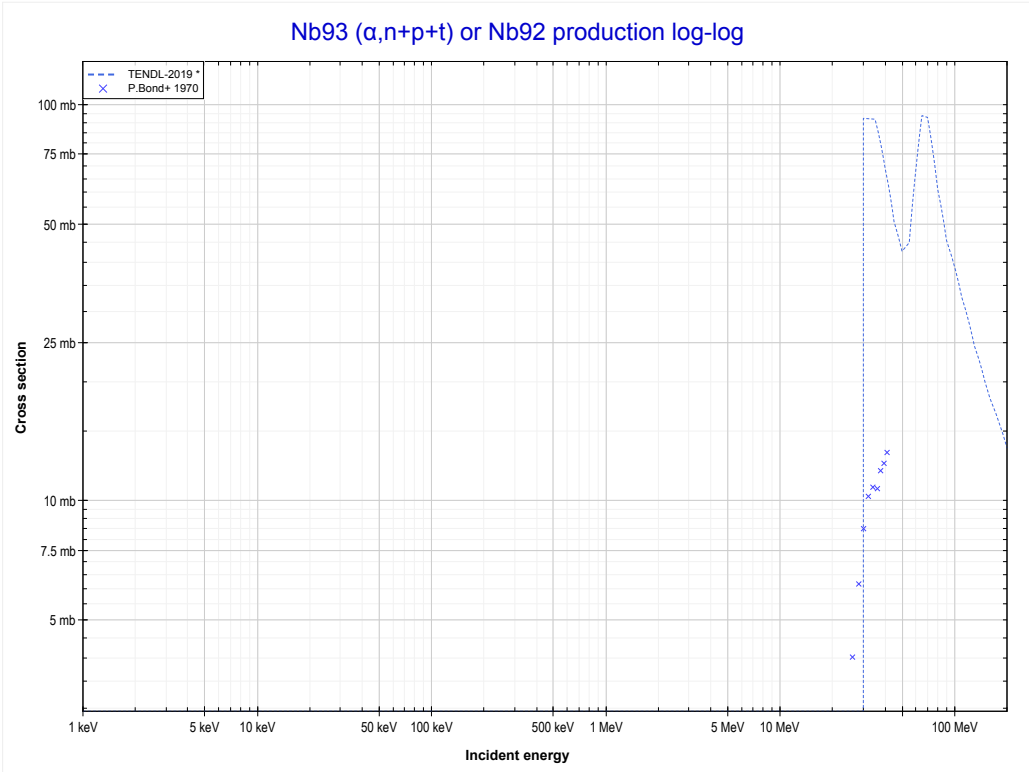
Reaction	Q-Value	Reaction	Q-Value
Nb93($\alpha,n+t+\alpha$)Zr89	-25357.93 keV	Nb93($\alpha,3n+d+He3$)Zr89	-52192.78 keV
Nb93($\alpha,2n+d+\alpha$)Zr89	-31615.16 keV	Nb93($\alpha,3n+2p+t$)Zr89	-53653.59 keV
Nb93($\alpha,3n+p+\alpha$)Zr89	-33839.72 keV	Nb93($\alpha,4n+p+He3$)Zr89	-54417.34 keV
Nb93($\alpha,d+2t$)Zr89	-42947.23 keV	Nb93($\alpha,2n+3d$)Zr89	-55461.68 keV
Nb93($\alpha,n+p+2t$)Zr89	-45171.79 keV	Nb93($\alpha,3n+p+2d$)Zr89	-57686.25 keV
Nb93($\alpha,2n+t+He3$)Zr89	-45935.55 keV	Nb93($\alpha,4n+2p+d$)Zr89	-59910.82 keV
Nb93($\alpha,n+2d+t$)Zr89	-49204.45 keV	Nb93($\alpha,5n+3p$)Zr89	-62135.38 keV
Nb93($\alpha,2n+p+d+t$)Zr89	-51429.02 keV		

<< 40-Zr-96	41-Nb-93	42-Mo-100 >>
<< MT181 ($\alpha,3n+p+\alpha$)	MT182 ($\alpha,d+t$) or MT5 (Nb92 production)	MT184 ($\alpha,n+p+t$) >>



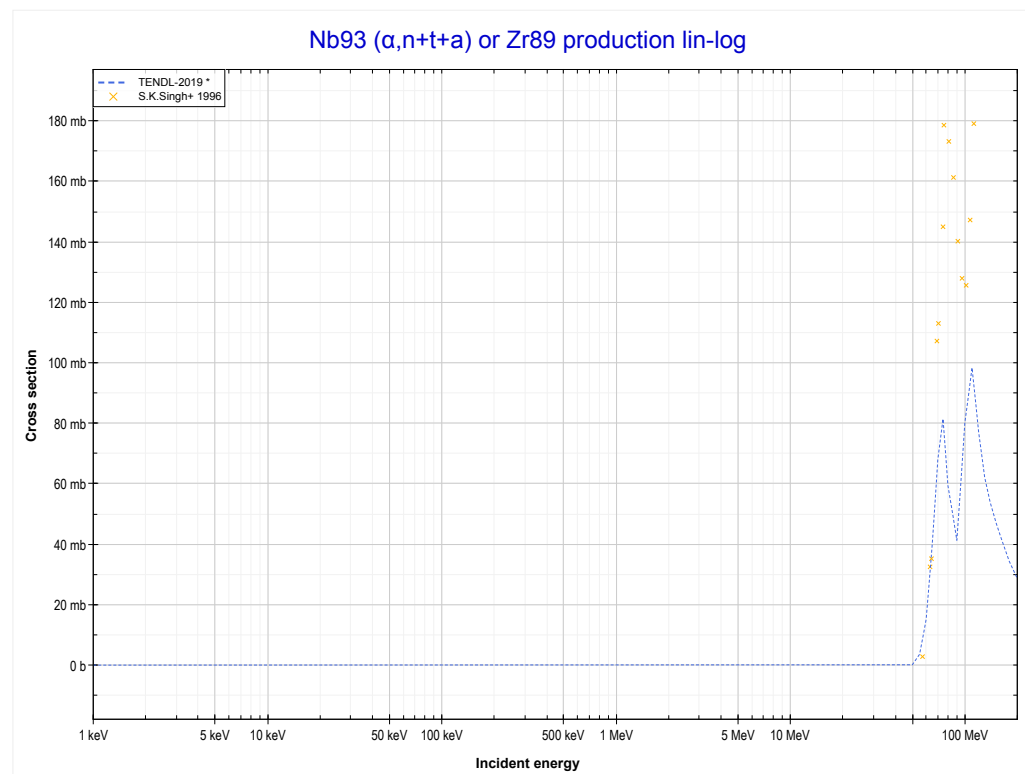
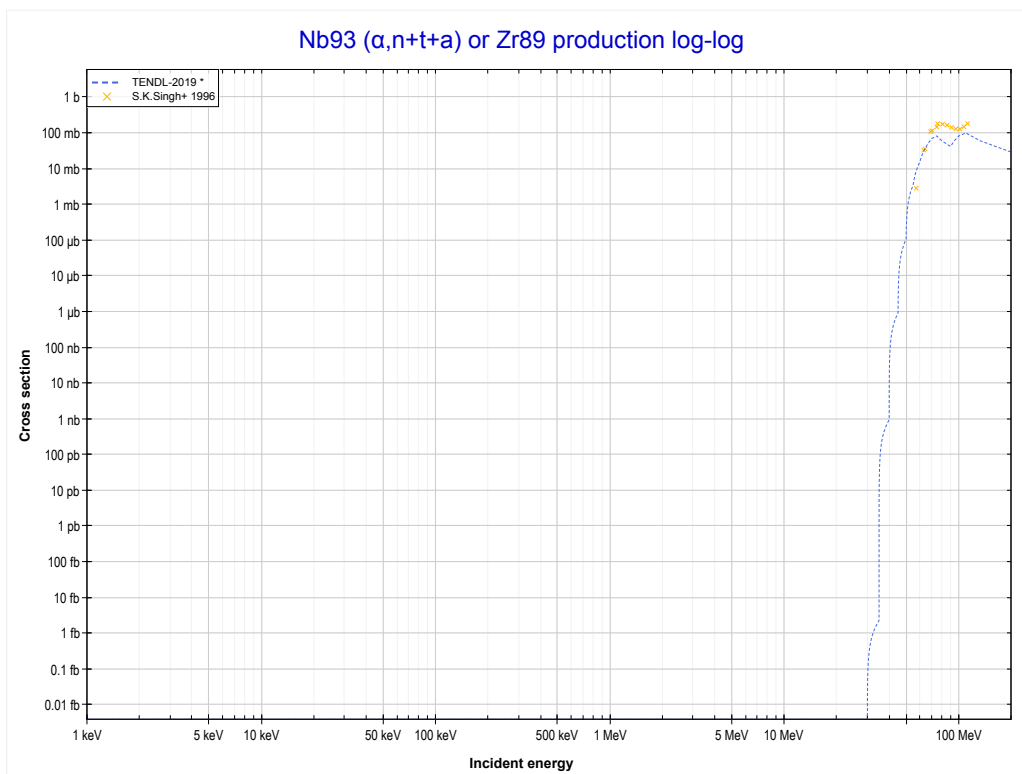
Reaction	Q-Value
Nb93($\alpha,n+\alpha$)Nb92	-8830.82 keV
Nb93($\alpha,d+t$)Nb92	-26420.12 keV
Nb93($\alpha,n+p+t$)Nb92	-28644.68 keV
Nb93($\alpha,2n+He3$)Nb92	-29408.44 keV
Nb93($\alpha,n+2d$)Nb92	-32677.34 keV
Nb93($\alpha,2n+p+d$)Nb92	-34901.91 keV
Nb93($\alpha,3n+2p$)Nb92	-37126.48 keV

<< 40-Zr-96	41-Nb-93	42-Mo-100 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Nb92 production)	MT189 (α,n+t+a) >>



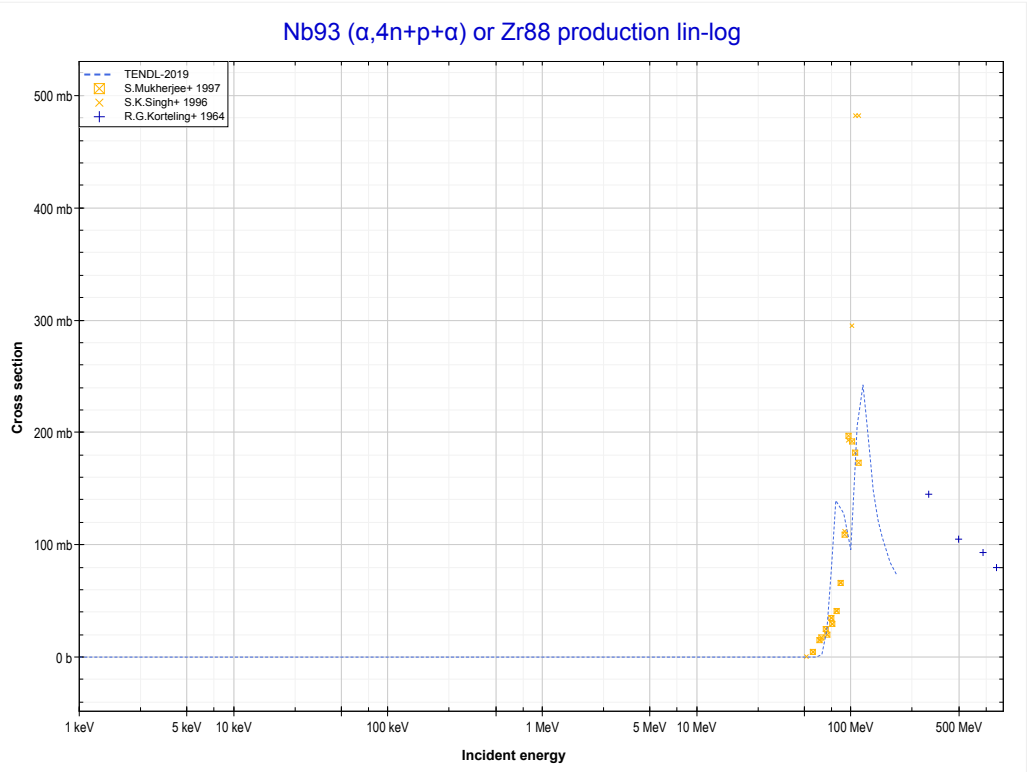
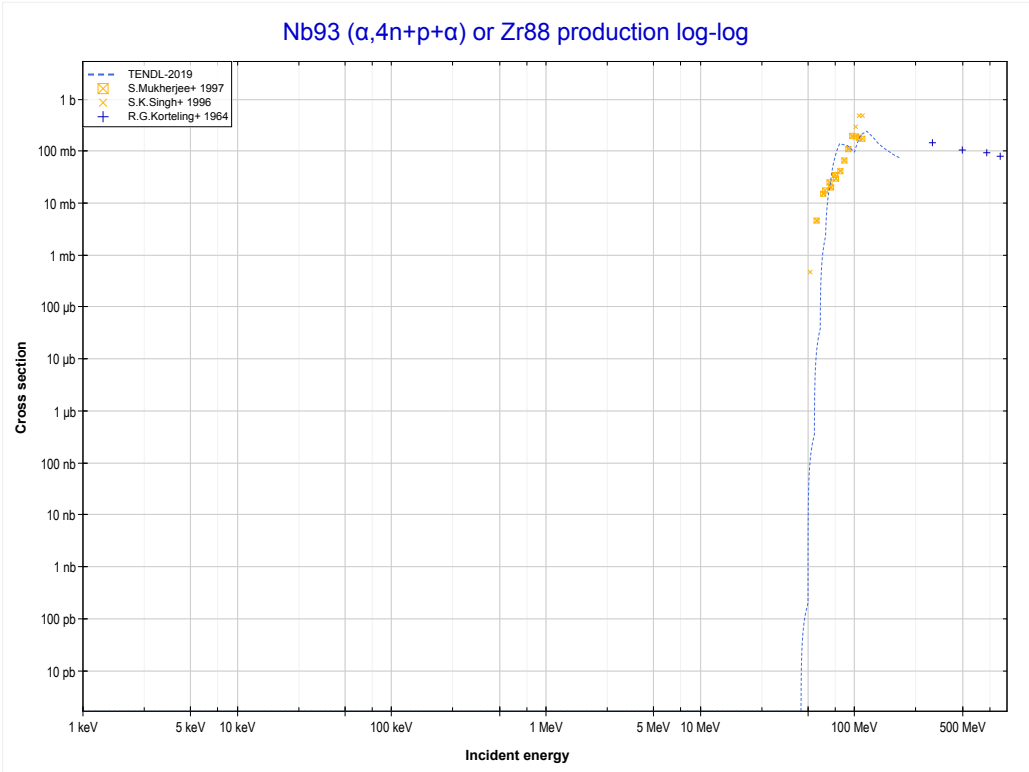
Reaction	Q-Value
Nb93(α,n+α)Nb92	-8830.82 keV
Nb93(α,d+t)Nb92	-26420.12 keV
Nb93(α,n+p+t)Nb92	-28644.68 keV
Nb93(α,2n+He3)Nb92	-29408.44 keV
Nb93(α,n+2d)Nb92	-32677.34 keV
Nb93(α,2n+p+d)Nb92	-34901.91 keV
Nb93(α,3n+2p)Nb92	-37126.48 keV

<< 40-Zr-90	41-Nb-93	
<< MT184 ($\alpha, n+p+t$)	MT189 ($\alpha, n+t+a$) or MT5 (Zr89 production)	MT196 ($\alpha, 4n+p+\alpha$) >>



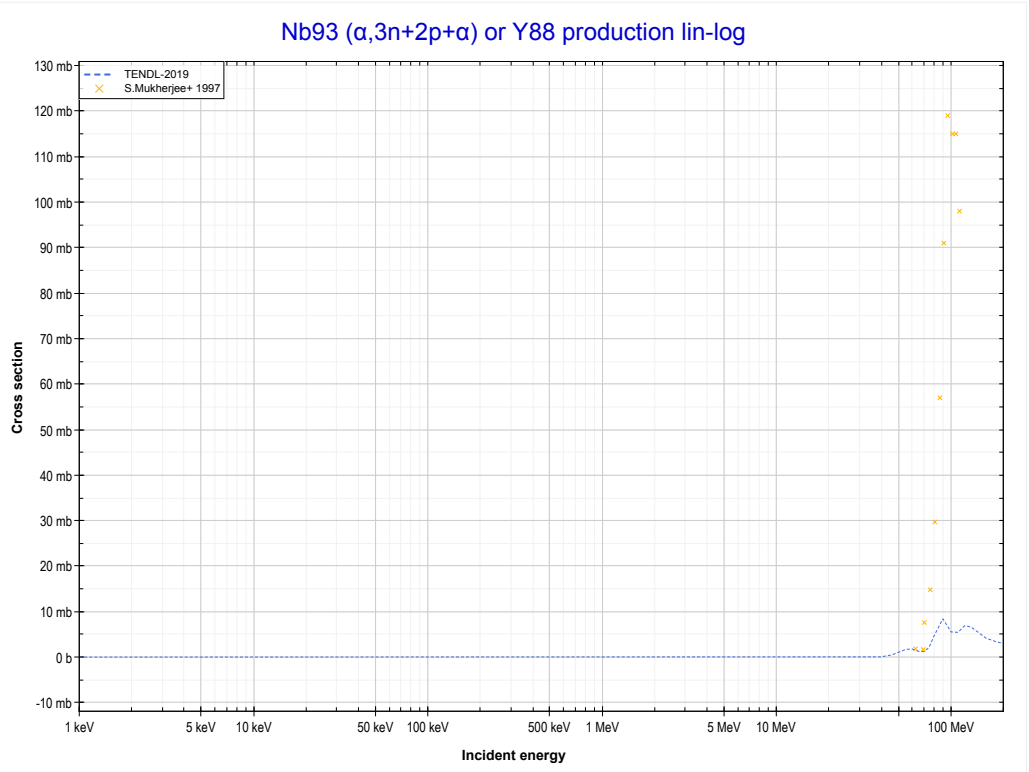
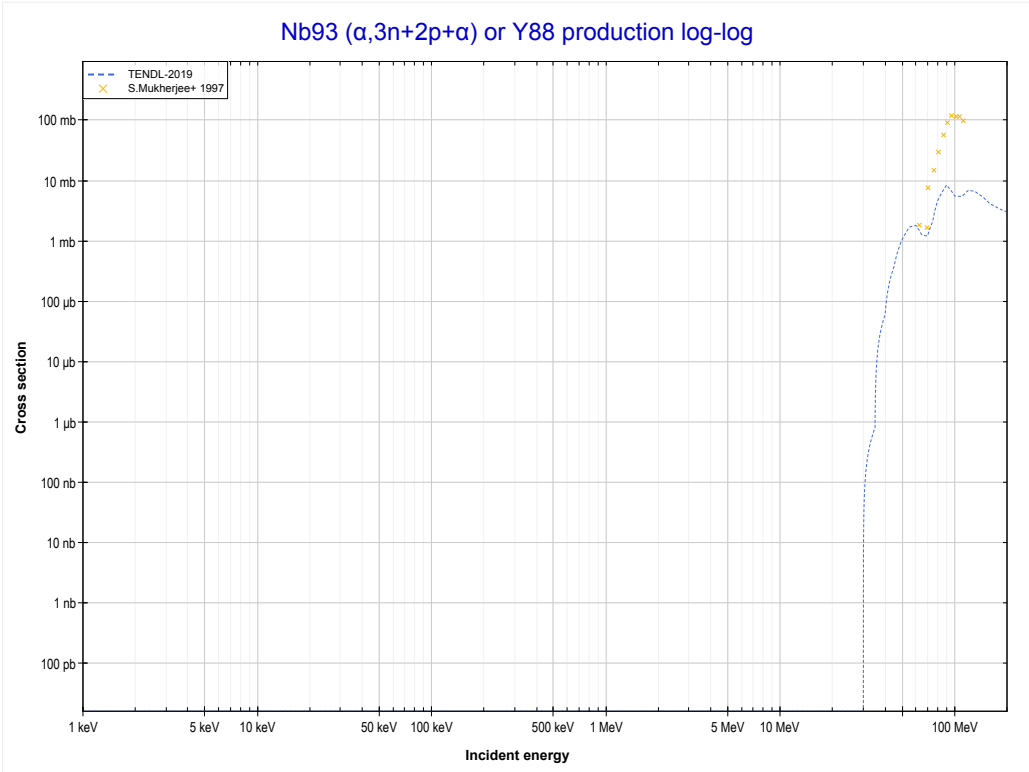
Reaction	Q-Value	Reaction	Q-Value
Nb93($\alpha, n+t+a$)Zr89	-25357.93 keV	Nb93($\alpha, 3n+d+He3$)Zr89	-52192.78 keV
Nb93($\alpha, 2n+d+\alpha$)Zr89	-31615.16 keV	Nb93($\alpha, 3n+2p+t$)Zr89	-53653.59 keV
Nb93($\alpha, 3n+p+\alpha$)Zr89	-33839.72 keV	Nb93($\alpha, 4n+p+He3$)Zr89	-54417.34 keV
Nb93($\alpha, d+2t$)Zr89	-42947.23 keV	Nb93($\alpha, 2n+3d$)Zr89	-55461.68 keV
Nb93($\alpha, n+p+2t$)Zr89	-45171.79 keV	Nb93($\alpha, 3n+p+2d$)Zr89	-57686.25 keV
Nb93($\alpha, 2n+t+He3$)Zr89	-45935.55 keV	Nb93($\alpha, 4n+2p+d$)Zr89	-59910.82 keV
Nb93($\alpha, n+2d+t$)Zr89	-49204.45 keV	Nb93($\alpha, 5n+3p$)Zr89	-62135.38 keV
Nb93($\alpha, 2n+p+d+t$)Zr89	-51429.02 keV		

	41-Nb-93	
<< MT189 ($\alpha,n+t+a$)	MT196 ($\alpha,4n+p+\alpha$) or MT5 (Zr88 production)	MT199 ($\alpha,3n+2p+\alpha$) >>



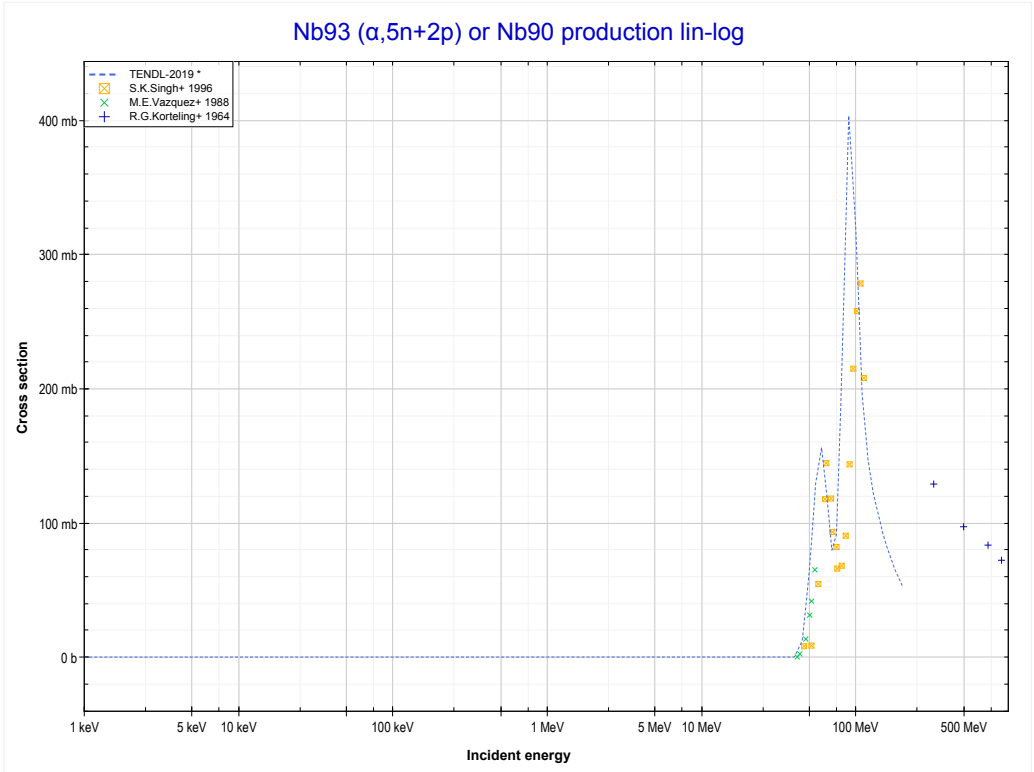
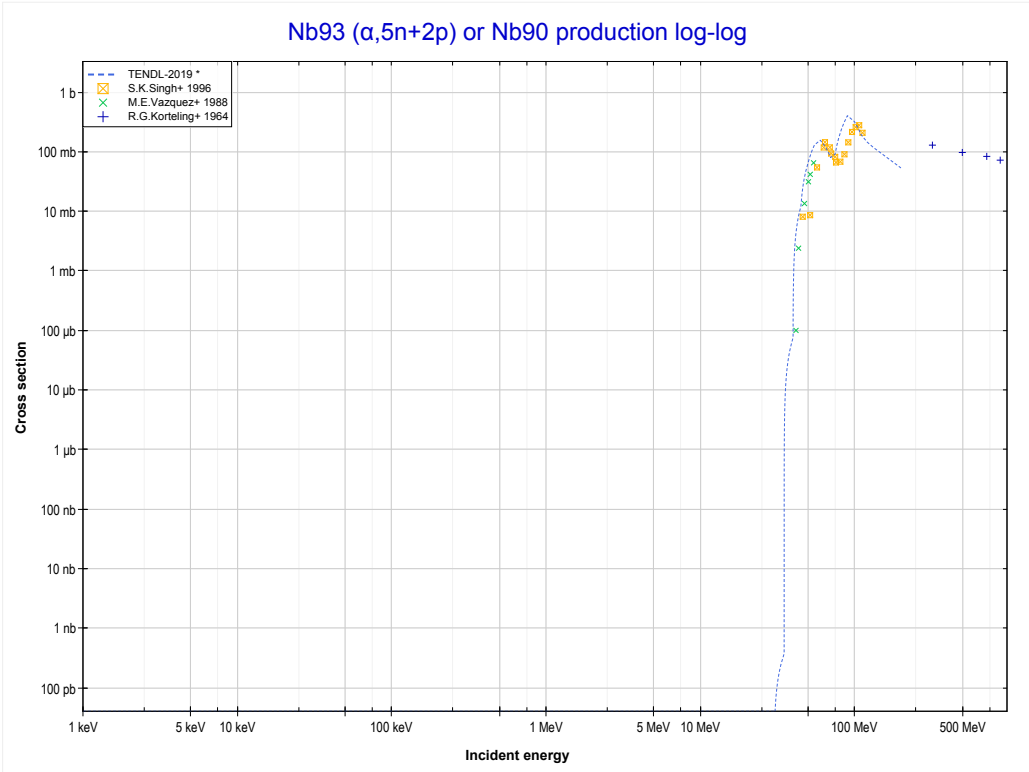
Reaction	Q-Value	Reaction	Q-Value
Nb93($\alpha,2n+t+\alpha$)Zr88	-34676.24 keV	Nb93($\alpha,3n+p+d+t$)Zr88	-60747.34 keV
Nb93($\alpha,3n+d+\alpha$)Zr88	-40933.47 keV	Nb93($\alpha,4n+d+He3$)Zr88	-61511.09 keV
Nb93($\alpha,4n+p+\alpha$)Zr88	-43158.04 keV	Nb93($\alpha,4n+2p+t$)Zr88	-62971.90 keV
Nb93($\alpha,3t$)Zr88	-46008.31 keV	Nb93($\alpha,5n+p+He3$)Zr88	-63735.66 keV
Nb93($\alpha,n+d+2t$)Zr88	-52265.54 keV	Nb93($\alpha,3n+3d$)Zr88	-64780.00 keV
Nb93($\alpha,2n+p+2t$)Zr88	-54490.11 keV	Nb93($\alpha,4n+p+2d$)Zr88	-67004.57 keV
Nb93($\alpha,3n+t+He3$)Zr88	-55253.86 keV	Nb93($\alpha,5n+2p+d$)Zr88	-69229.13 keV
Nb93($\alpha,2n+2d+t$)Zr88	-58522.77 keV	Nb93($\alpha,6n+3p$)Zr88	-71453.70 keV

<< 35-Br-79	41-Nb-93	
<< MT196 ($\alpha,4n+p+\alpha$)	MT199 ($\alpha,3n+2p+\alpha$) or MT5 (Y88 production)	MT200 ($\alpha,5n+2p$) >>



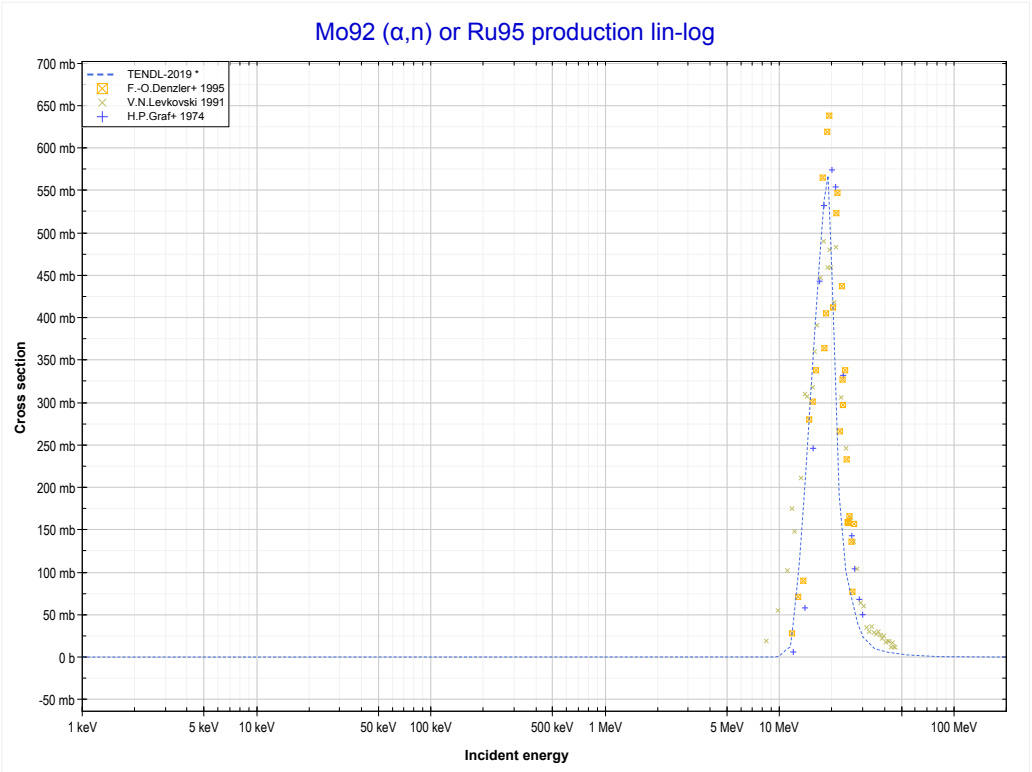
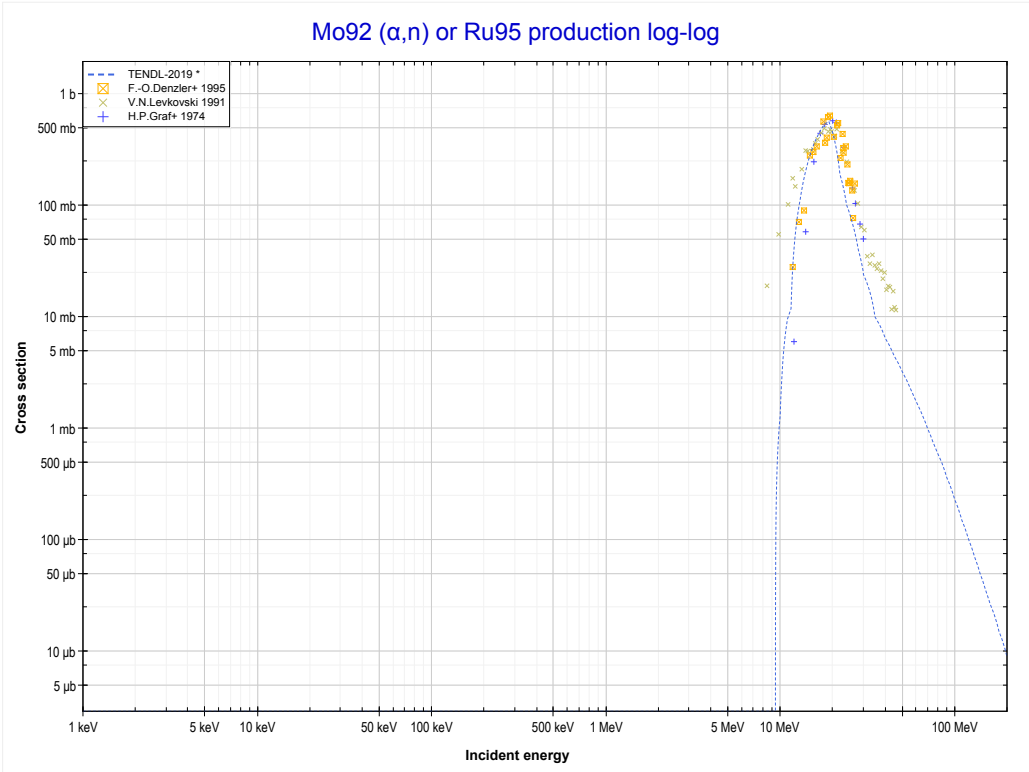
Reaction	Q-Value	Reaction	Q-Value
Nb93($\alpha,n+2\alpha$)Y88	-13410.03 keV	Nb93($\alpha,p+d+2t$)Y88	-50813.20 keV
Nb93($\alpha,d+t+\alpha$)Y88	-30999.33 keV	Nb93($\alpha,n+d+t+He3$)Y88	-51576.95 keV
Nb93($\alpha,n+p+t+\alpha$)Y88	-33223.90 keV	Nb93($\alpha,n+2p+2t$)Y88	-53037.76 keV
Nb93($\alpha,2n+He3+\alpha$)Y88	-33987.65 keV	Nb93($\alpha,2n+p+t+He3$)Y88	-53801.52 keV
Nb93($\alpha,n+2d+\alpha$)Y88	-37256.56 keV	Nb93($\alpha,3n+2He3$)Y88	-54565.27 keV
Nb93($\alpha,2n+p+d+\alpha$)Y88	-39481.13 keV	Nb93($\alpha,3d+t$)Y88	-54845.86 keV
Nb93($\alpha,3n+2p+\alpha$)Y88	-41705.69 keV	Nb93($\alpha,n+p+2d+t$)Y88	-57070.43 keV
Nb93($\alpha,2t+He3$)Y88	-45319.72 keV	Nb93($\alpha,2n+2d+He3$)Y88	-57834.18 keV

<< 40-Zr-90	41-Nb-93	47-Ag-107 >>
<< MT199 ($\alpha,3n+2p+\alpha$)	MT200 ($\alpha,5n+2p$) or MT5 (Nb90 production)	42-Mo-92 MT4 (α,n) >>



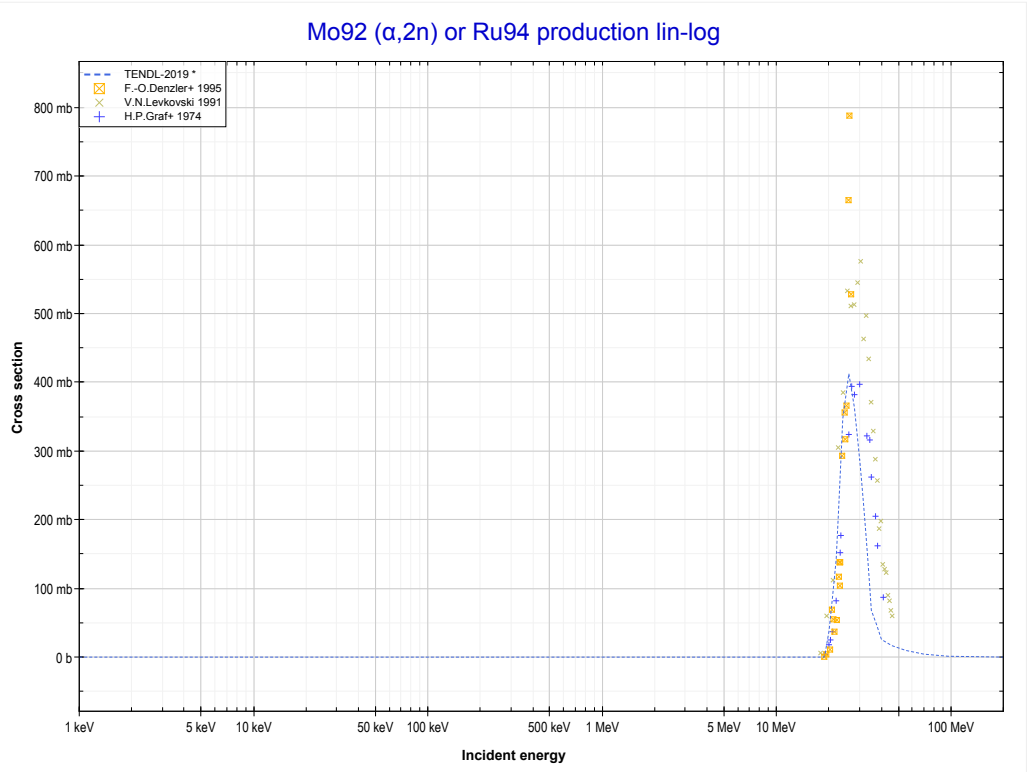
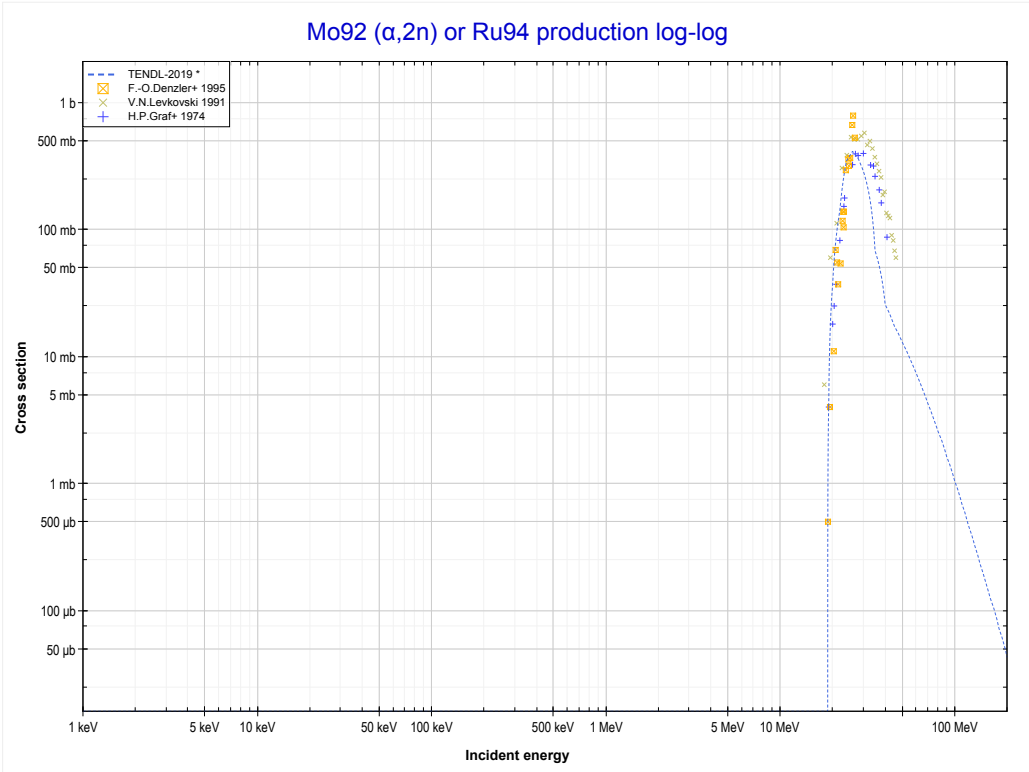
Reaction	Q-Value
Nb93($\alpha,3n+\alpha$)Nb90	-28764.75 keV
Nb93($\alpha,n+2t$)Nb90	-40096.82 keV
Nb93($\alpha,2n+d+t$)Nb90	-46354.05 keV
Nb93($\alpha,3n+p+t$)Nb90	-48578.62 keV
Nb93($\alpha,4n+He3$)Nb90	-49342.37 keV
Nb93($\alpha,3n+2d$)Nb90	-52611.28 keV
Nb93($\alpha,4n+p+d$)Nb90	-54835.85 keV
Nb93($\alpha,5n+2p$)Nb90	-57060.41 keV

<< 41-Nb-93	42-Mo-92	42-Mo-94 >>
<< 41-Nb-93 MT200 (α ,5n+2p)	MT4 (α ,n) or MT5 (Ru95 production)	MT16 (α ,2n) >>



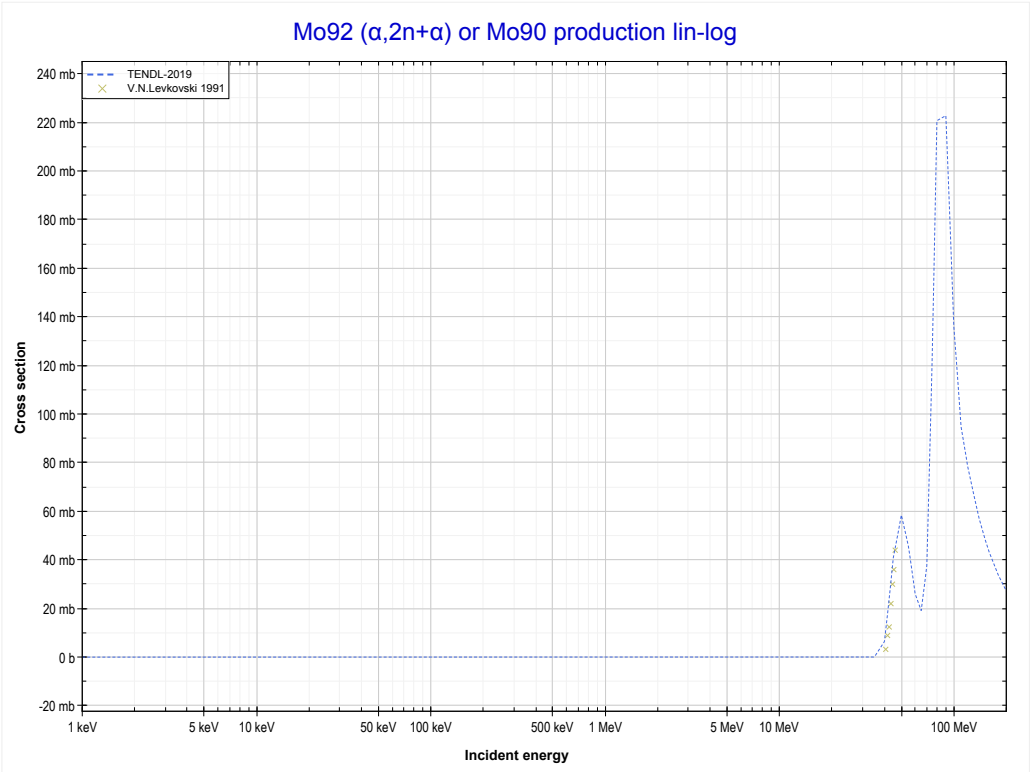
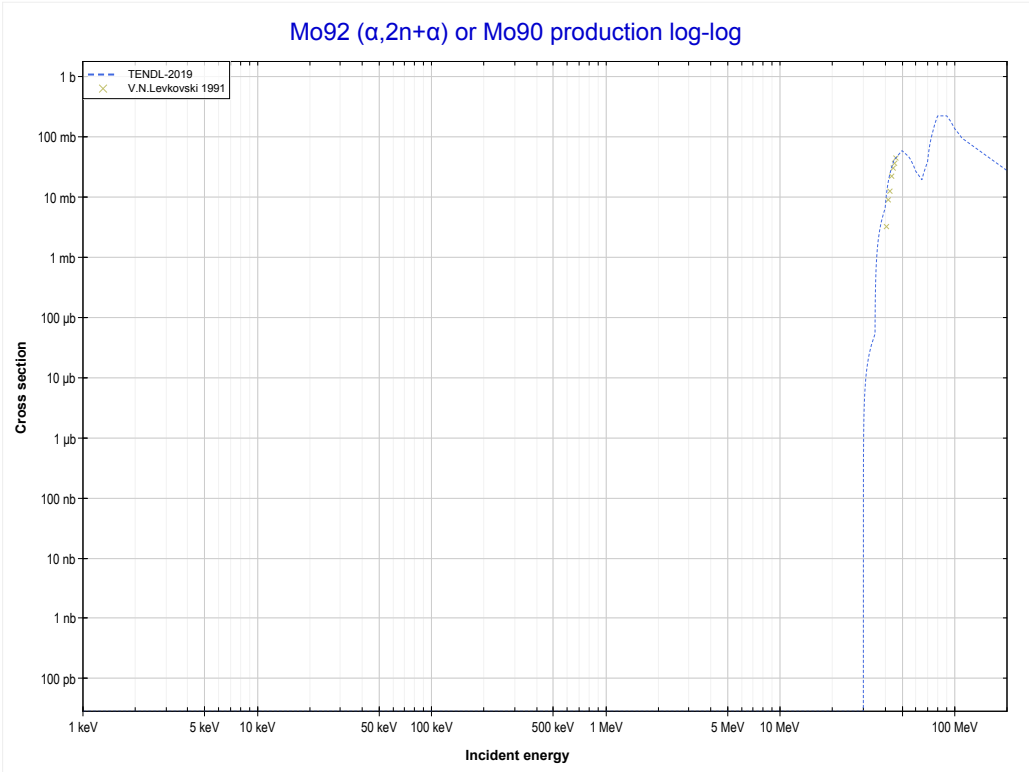
Reaction	Q-Value
Mo92(α ,n)Ru95	-8996.98 keV

<< 41-Nb-93	42-Mo-92	42-Mo-95 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Ru94 production)	MT24 (α,2n+α) >>



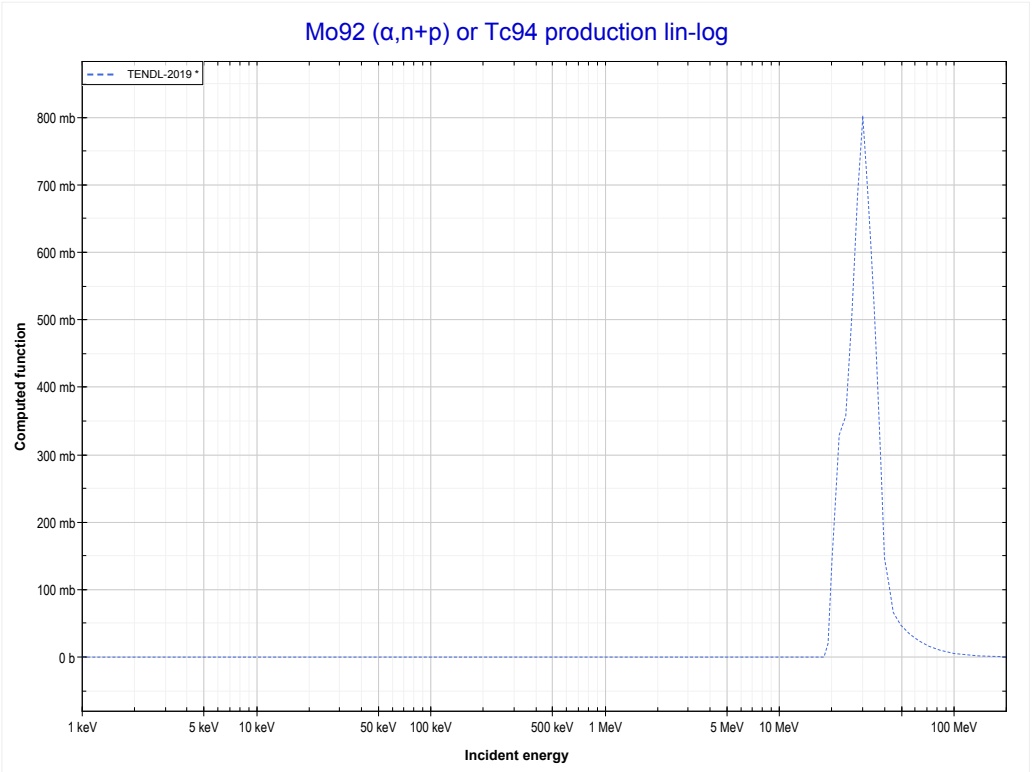
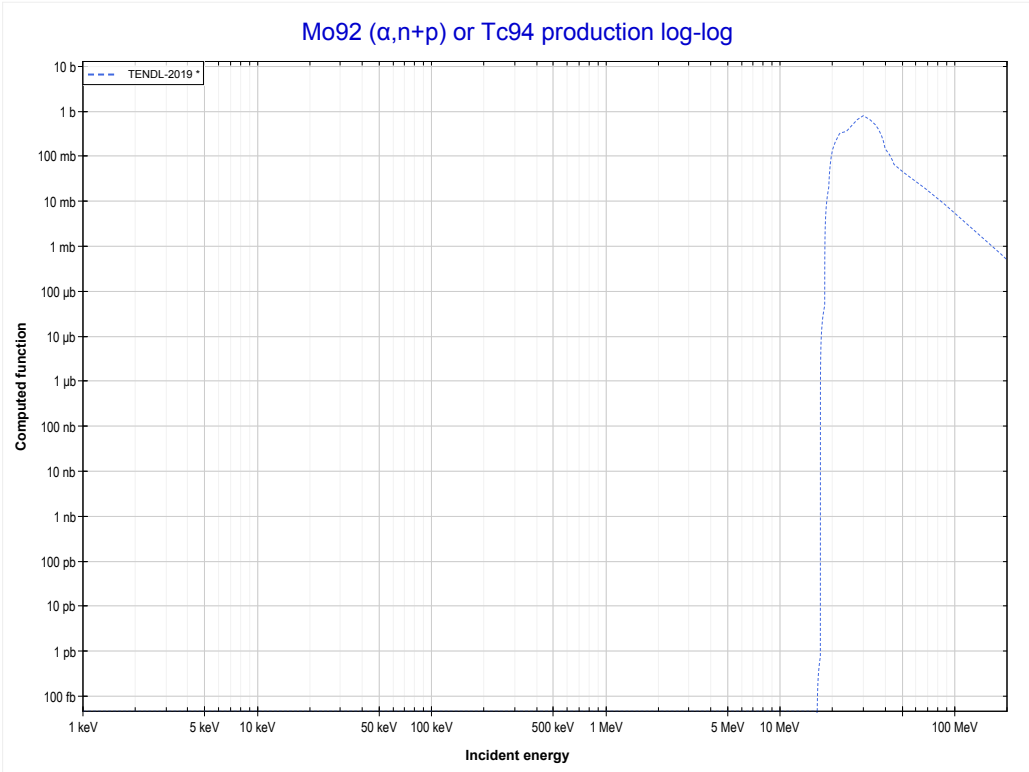
Reaction	Q-Value
Mo92(α,2n)Ru94	-17942.30 keV

<< 40-Zr-90	42-Mo-92	45-Rh-103 >>
<< MT16 (α,2n)	MT24 (α,2n+α) or MT5 (Mo90 production)	MT28 (α,n+p) >>



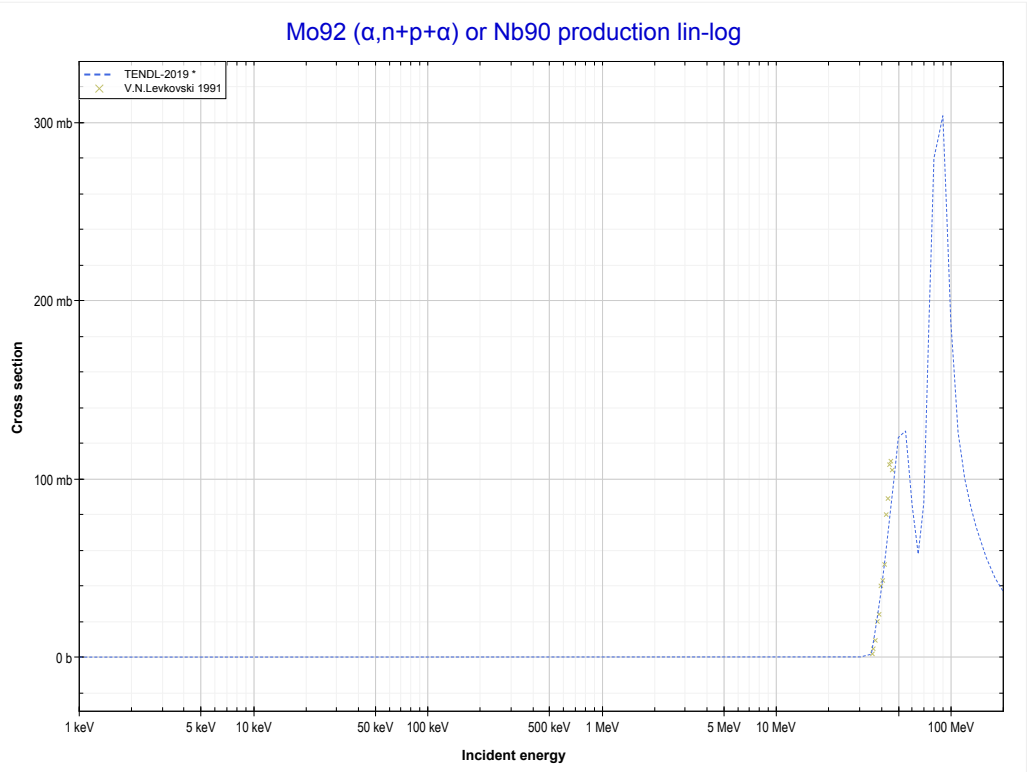
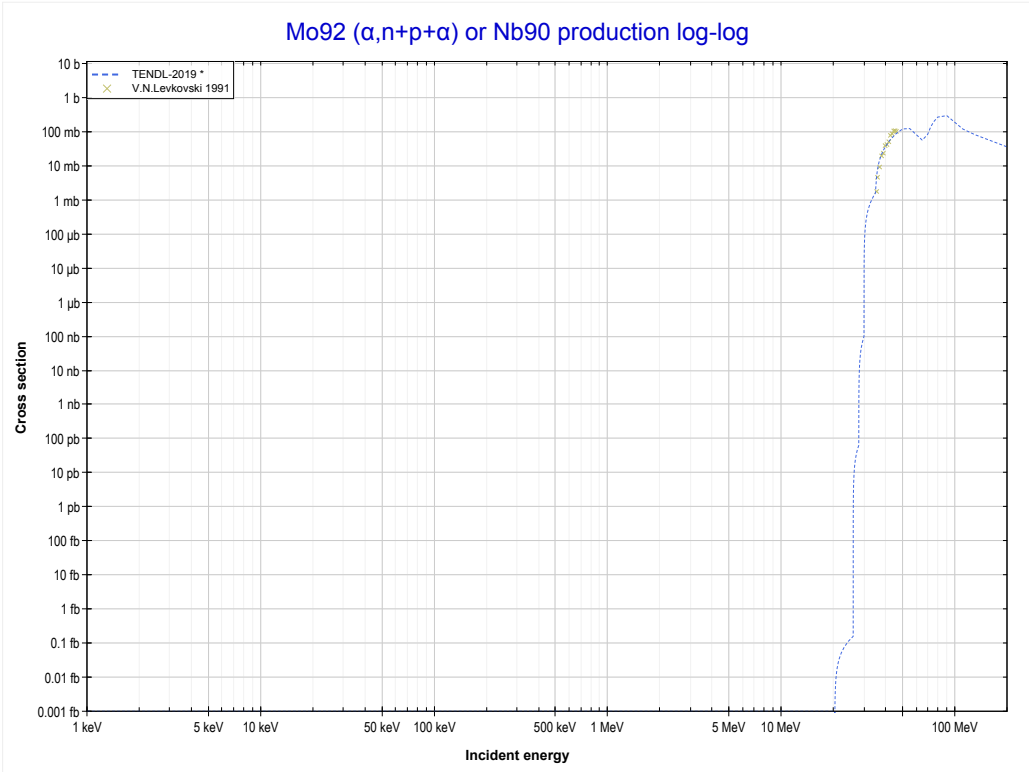
Reaction	Q-Value
Mo92(α,2n+α)Mo90	-22778.21 keV
Mo92(α,2t)Mo90	-34110.28 keV
Mo92(α,n+d+t)Mo90	-40367.51 keV
Mo92(α,2n+p+t)Mo90	-42592.08 keV
Mo92(α,3n+He3)Mo90	-43355.83 keV
Mo92(α,2n+2d)Mo90	-46624.74 keV
Mo92(α,3n+p+d)Mo90	-48849.31 keV
Mo92(α,4n+2p)Mo90	-51073.87 keV

<< 40-Zr-94	42-Mo-92	42-Mo-94 >>
<< MT24 ($\alpha,2n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Tc94 production)	MT45 ($\alpha,n+p+\alpha$) >>



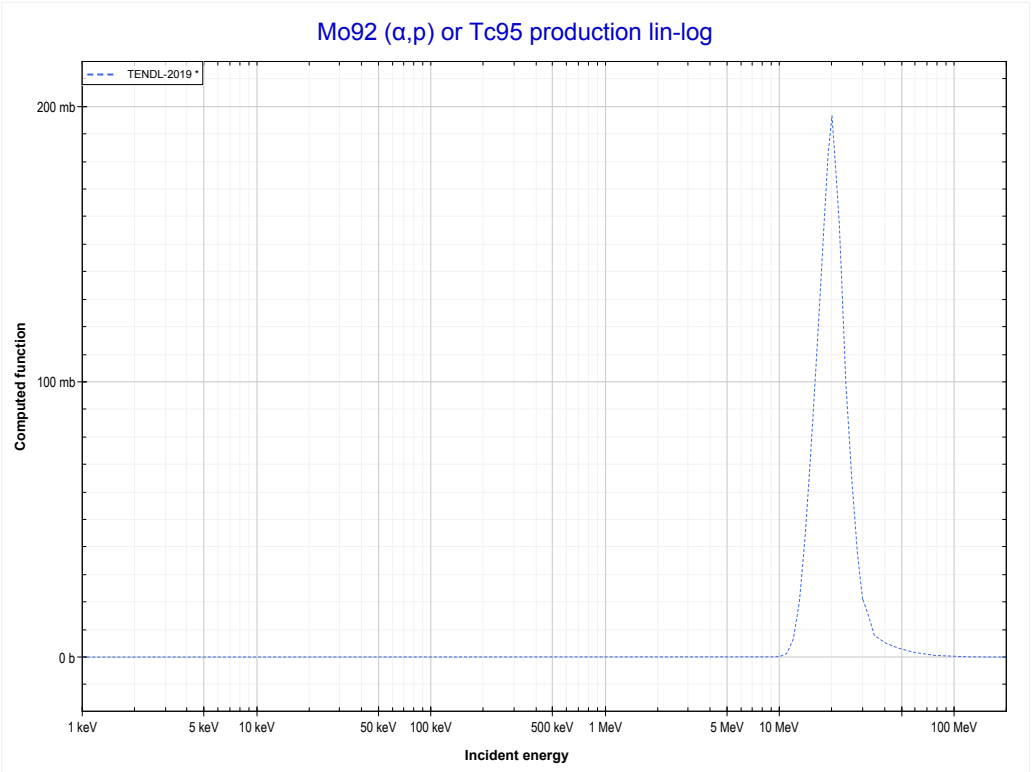
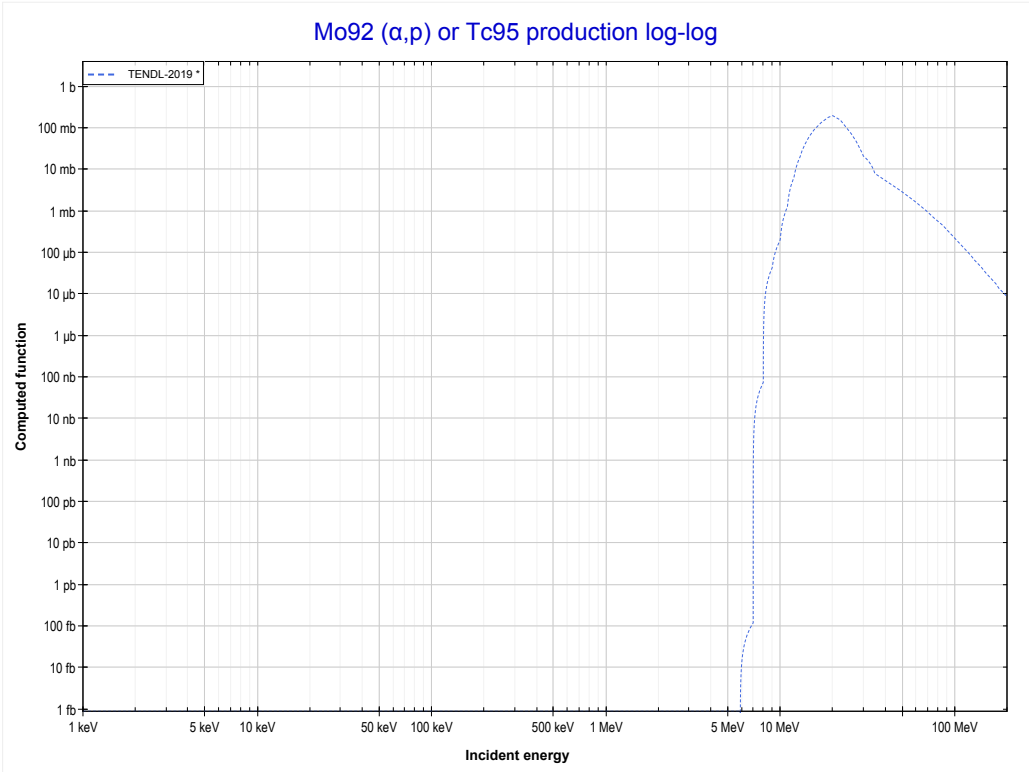
Reaction	Q-Value
Mo92(α,d)Tc94	-13361.39 keV
Mo92($\alpha,n+p$)Tc94	-15585.95 keV

<< 40-Zr-90	42-Mo-92	
<< MT28 (α,n+p)	MT45 (α,n+p+α) or MT5 (Nb90 production)	MT103 (α,p) >>



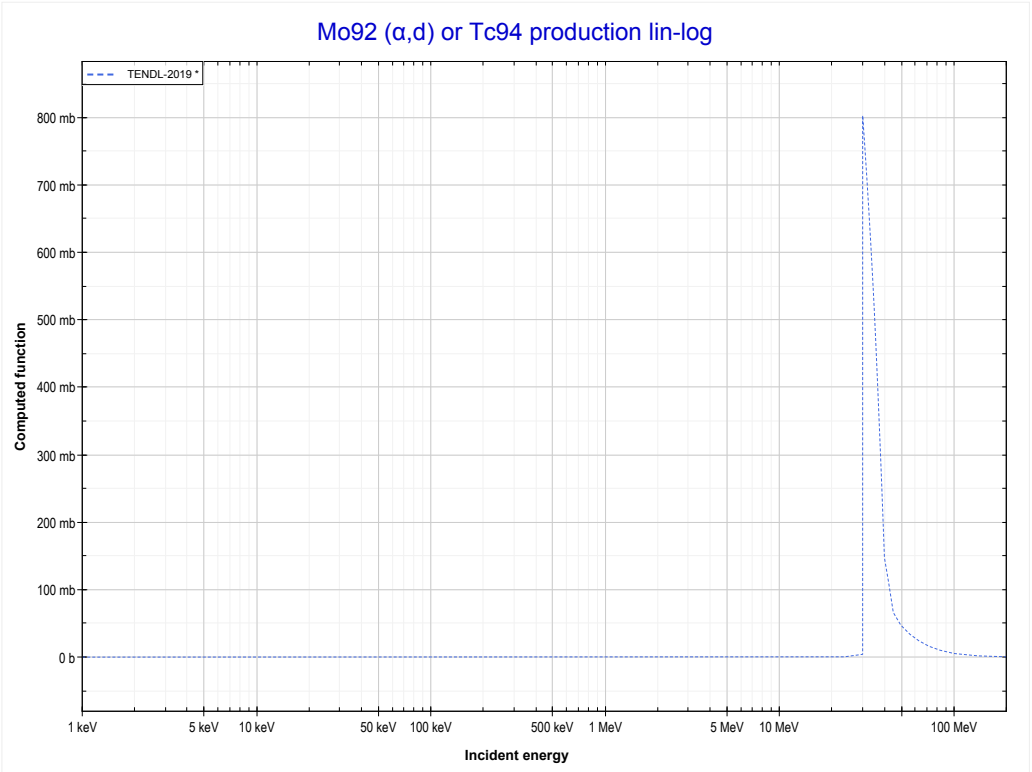
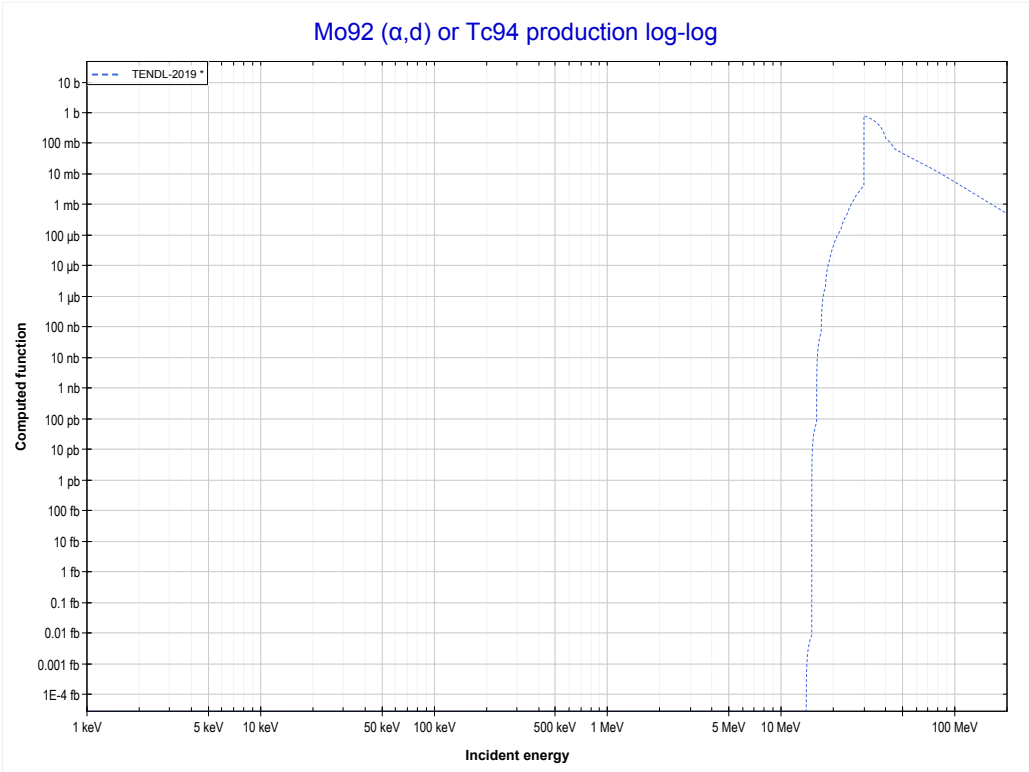
Reaction	Q-Value	Reaction	Q-Value
Mo92(α,d+α)Nb90	-17282.30 keV	Mo92(α,n+p+2d)Nb90	-43353.40 keV
Mo92(α,n+p+α)Nb90	-19506.87 keV	Mo92(α,2n+2p+d)Nb90	-45577.96 keV
Mo92(α,t+He3)Nb90	-31602.69 keV	Mo92(α,3n+3p)Nb90	-47802.53 keV
Mo92(α,p+d+t)Nb90	-37096.17 keV		
Mo92(α,n+d+He3)Nb90	-37859.92 keV		
Mo92(α,n+2p+t)Nb90	-39320.73 keV		
Mo92(α,2n+p+He3)Nb90	-40084.49 keV		
Mo92(α,3d)Nb90	-41128.83 keV		

<< 40-Zr-94	42-Mo-92	42-Mo-98 >>
<< MT45 (α ,n+p+ α)	MT103 (α ,p) or MT5 (Tc95 production)	MT104 (α ,d) >>



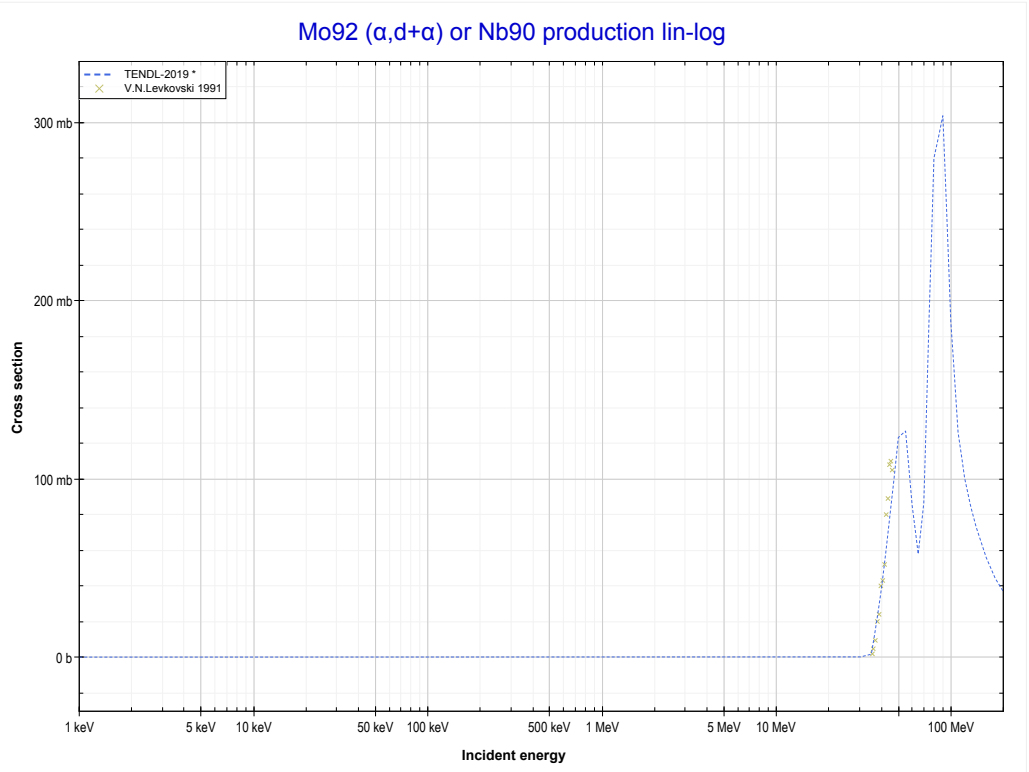
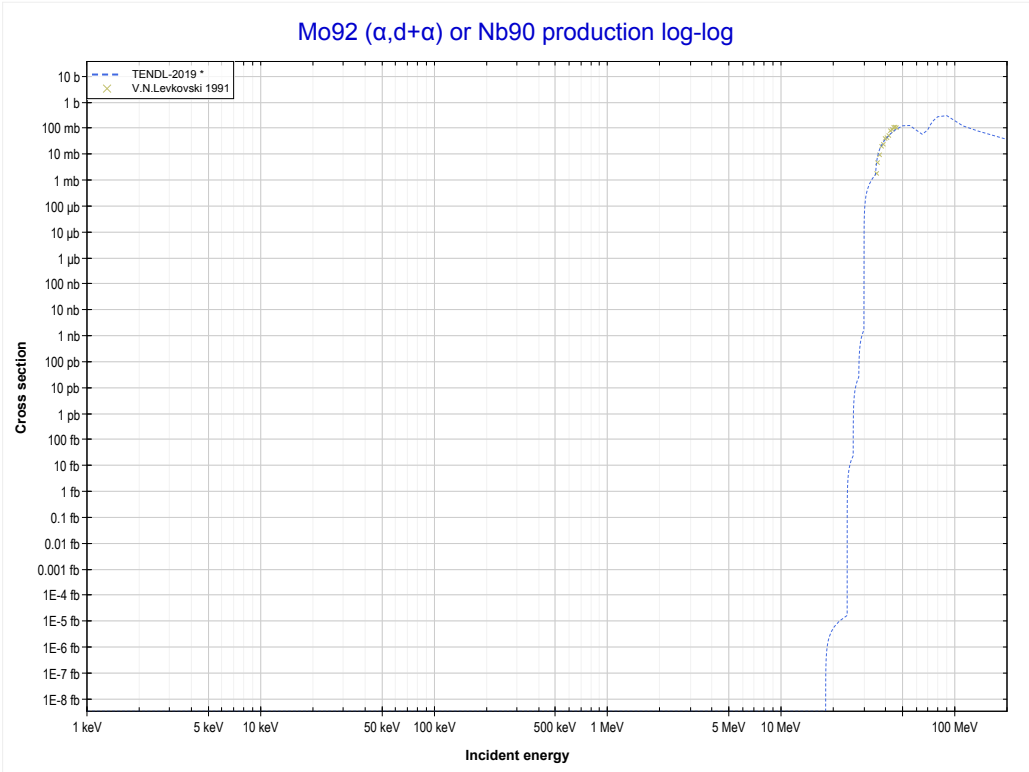
Reaction	Q-Value
Mo92(α ,p)Tc95	-5651.63 keV

<< 40-Zr-94	42-Mo-92	42-Mo-94 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Tc94 production)	MT117 (α,d+α) >>



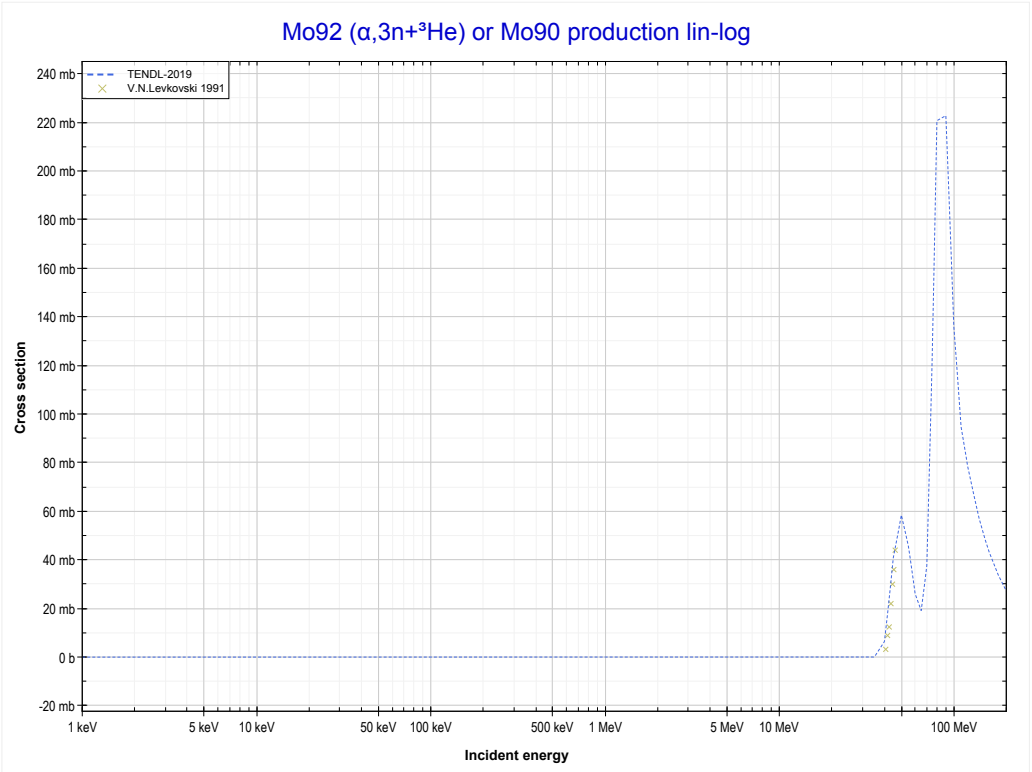
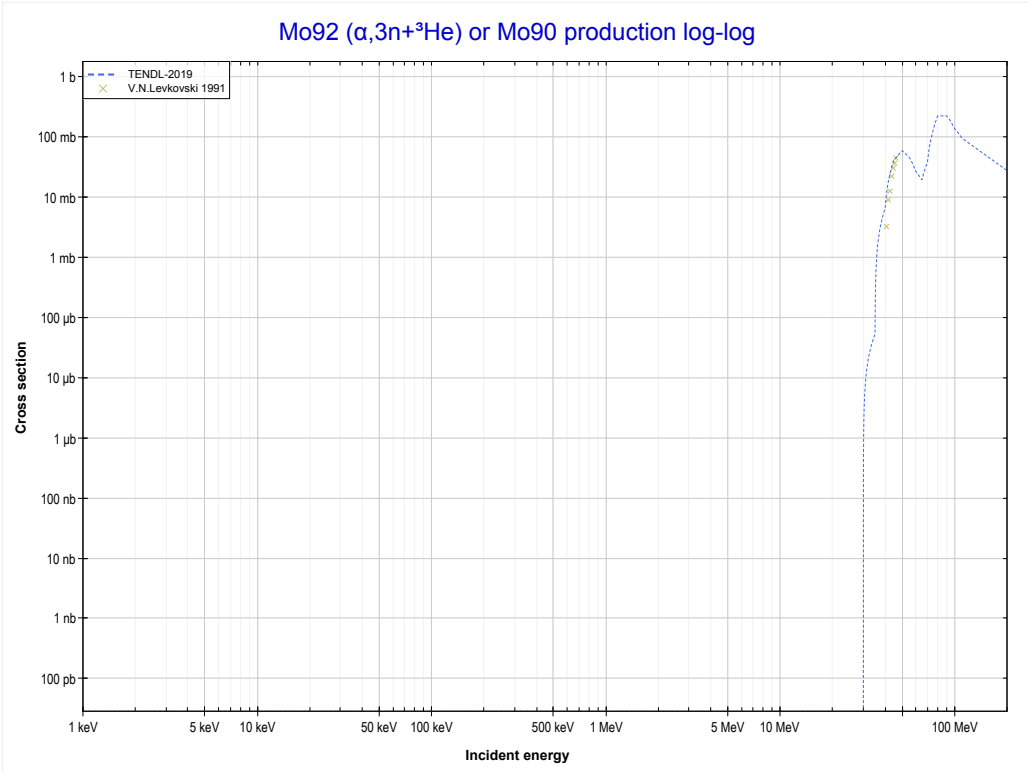
Reaction	Q-Value
Mo92(α,d)Tc94	-13361.39 keV
Mo92(α,n+p)Tc94	-15585.95 keV

<< 40-Zr-90	42-Mo-92	
<< MT104 (α ,d)	MT117 (α ,d+ α) or MT5 (Nb90 production)	MT177 (α ,3n+ ^3He) >>



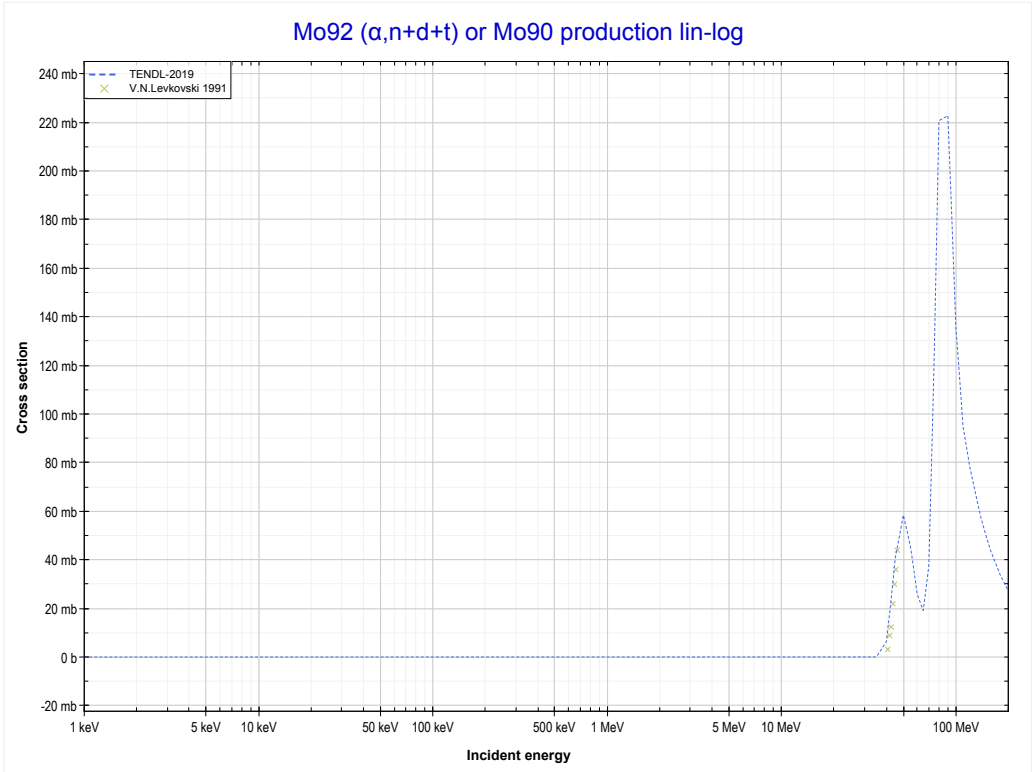
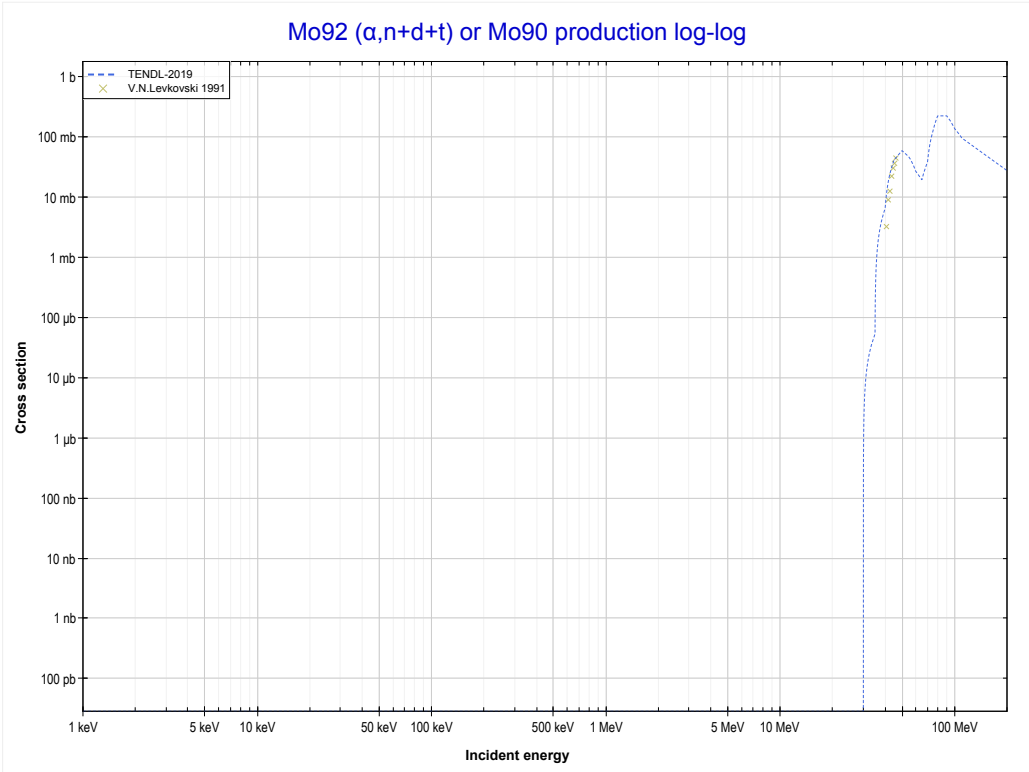
Reaction	Q-Value	Reaction	Q-Value
Mo92(α ,d+ α)Nb90	-17282.30 keV	Mo92(α ,n+p+2d)Nb90	-43353.40 keV
Mo92(α ,n+p+ α)Nb90	-19506.87 keV	Mo92(α ,2n+2p+d)Nb90	-45577.96 keV
Mo92(α ,t+He3)Nb90	-31602.69 keV	Mo92(α ,3n+3p)Nb90	-47802.53 keV
Mo92(α ,p+d+t)Nb90	-37096.17 keV		
Mo92(α ,n+d+He3)Nb90	-37859.92 keV		
Mo92(α ,n+2p+t)Nb90	-39320.73 keV		
Mo92(α ,2n+p+He3)Nb90	-40084.49 keV		
Mo92(α ,3d)Nb90	-41128.83 keV		

<< 40-Zr-90	42-Mo-92	47-Ag-107 >>
<< MT117 (α ,d+ α)	MT177 (α ,3n+ ^3He) or MT5 (Mo90 production)	MT185 (α ,n+d+t) >>



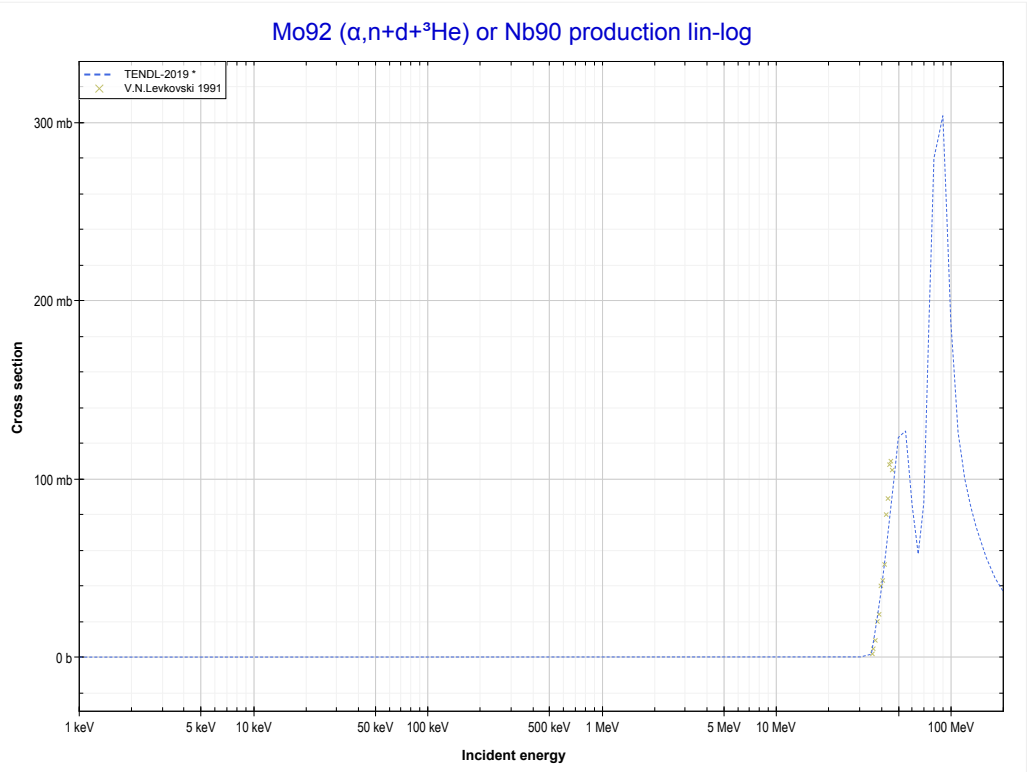
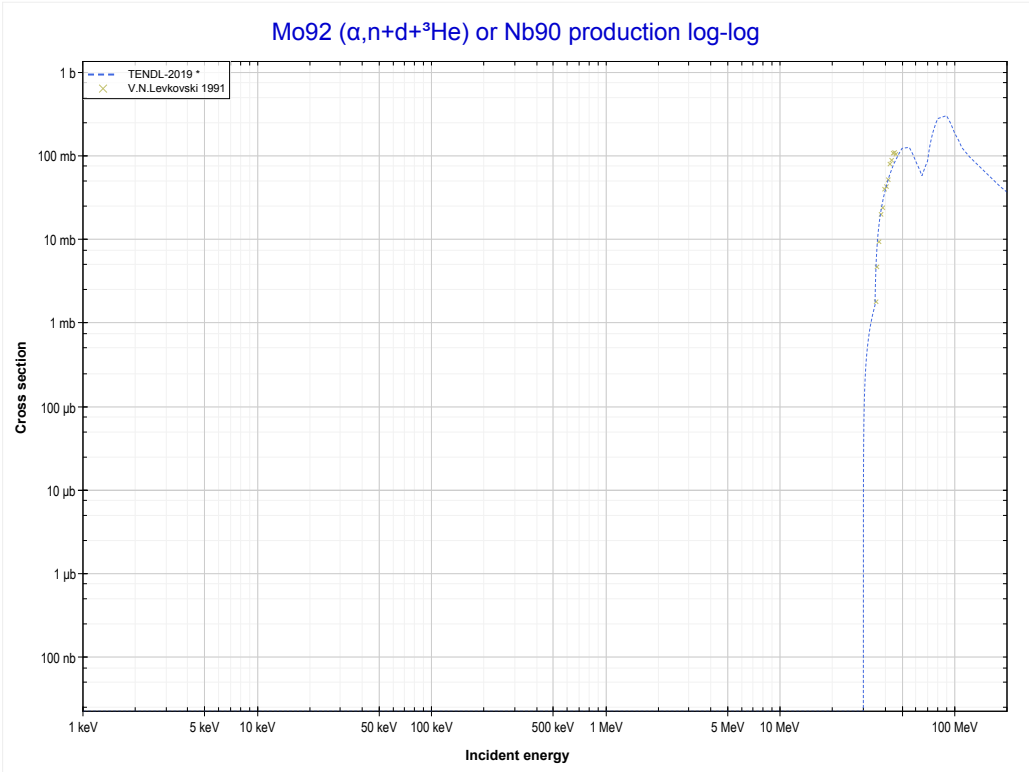
Reaction	Q-Value
Mo92(α ,2n+ α)Mo90	-22778.21 keV
Mo92(α ,2t)Mo90	-34110.28 keV
Mo92(α ,n+d+t)Mo90	-40367.51 keV
Mo92(α ,2n+p+t)Mo90	-42592.08 keV
Mo92(α ,3n+He3)Mo90	-43355.83 keV
Mo92(α ,2n+2d)Mo90	-46624.74 keV
Mo92(α ,3n+p+d)Mo90	-48849.31 keV
Mo92(α ,4n+2p)Mo90	-51073.87 keV

<< 40-Zr-90	42-Mo-92	47-Ag-107 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT185 ($\alpha,n+d+t$) or MT5 (Mo90 production)	MT187 ($\alpha,n+d+^3\text{He}$) >>



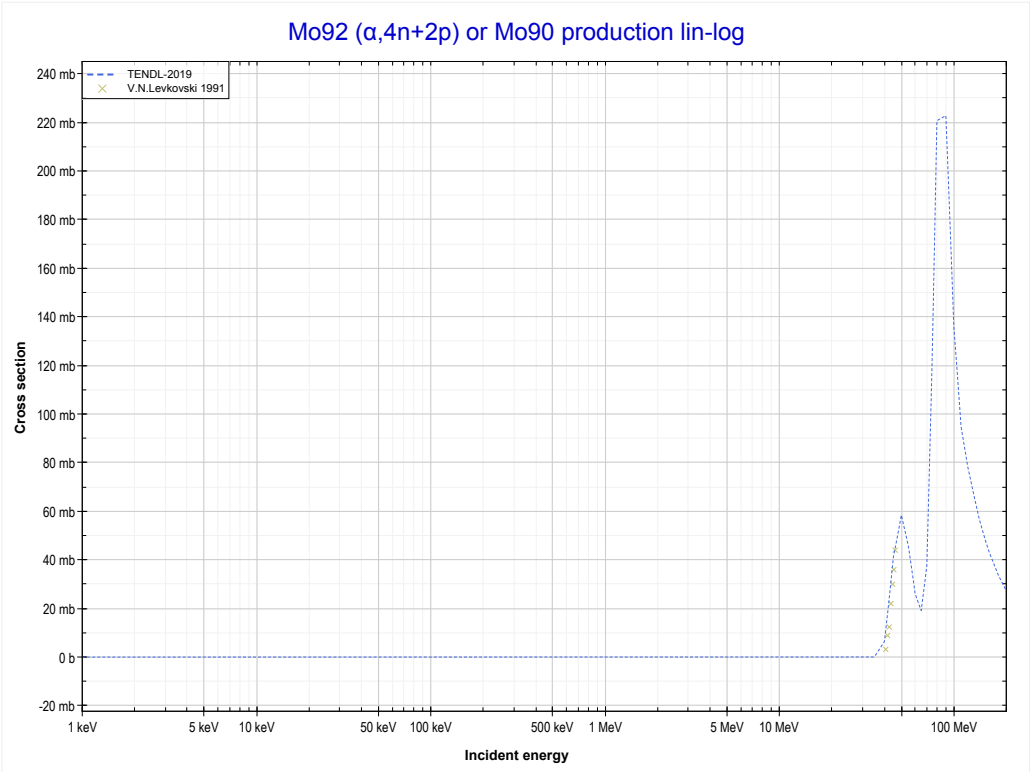
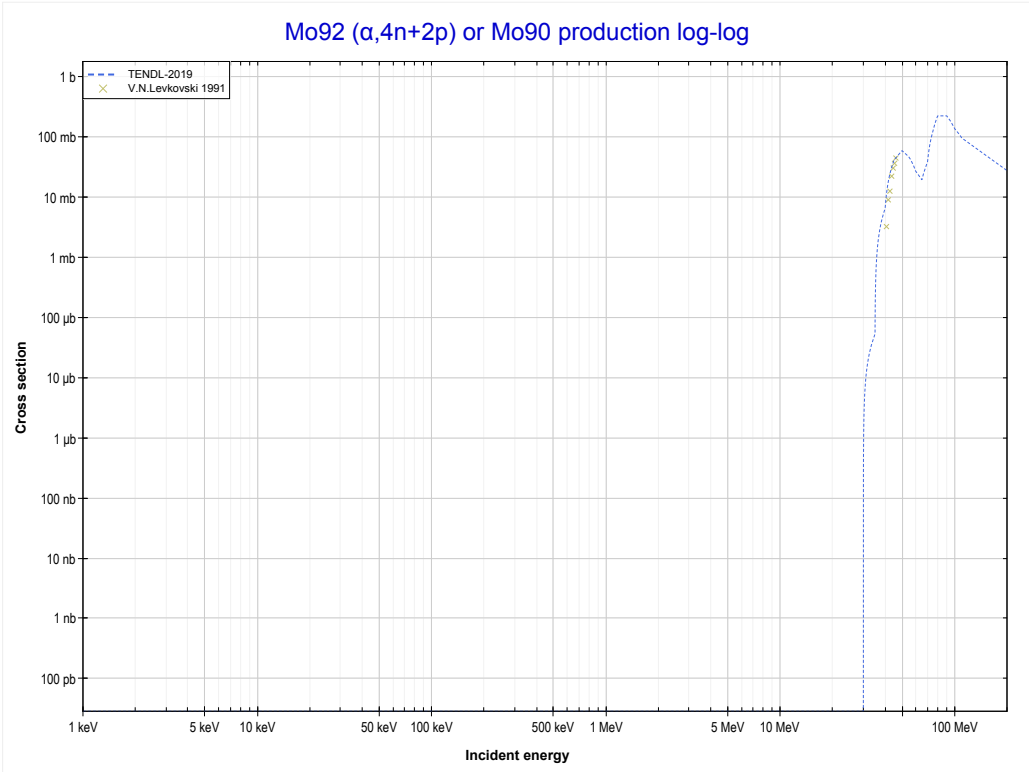
Reaction	Q-Value
Mo92($\alpha,2n+\alpha$)Mo90	-22778.21 keV
Mo92($\alpha,2t$)Mo90	-34110.28 keV
Mo92($\alpha,n+d+t$)Mo90	-40367.51 keV
Mo92($\alpha,2n+p+t$)Mo90	-42592.08 keV
Mo92($\alpha,3n+^3\text{He}$)Mo90	-43355.83 keV
Mo92($\alpha,2n+2d$)Mo90	-46624.74 keV
Mo92($\alpha,3n+p+d$)Mo90	-48849.31 keV
Mo92($\alpha,4n+2p$)Mo90	-51073.87 keV

<< 40-Zr-90	42-Mo-92	
<< MT185 (α ,n+d+t)	MT187 (α ,n+d+ ^3He) or MT5 (Nb90 production)	MT194 (α ,4n+2p) >>



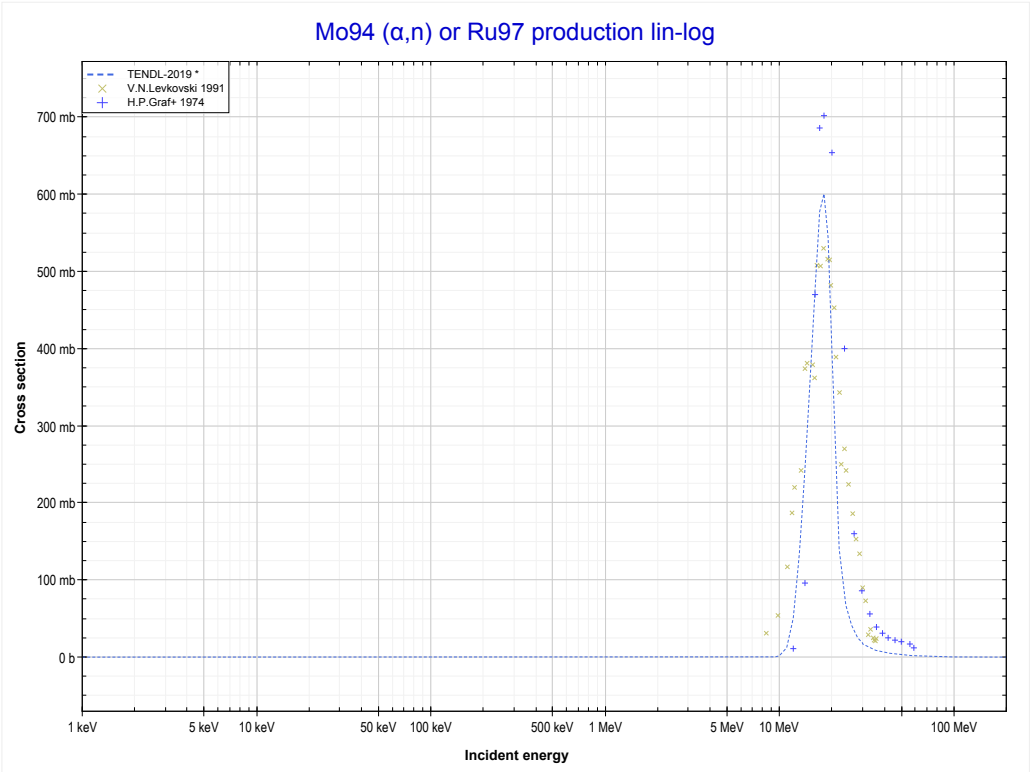
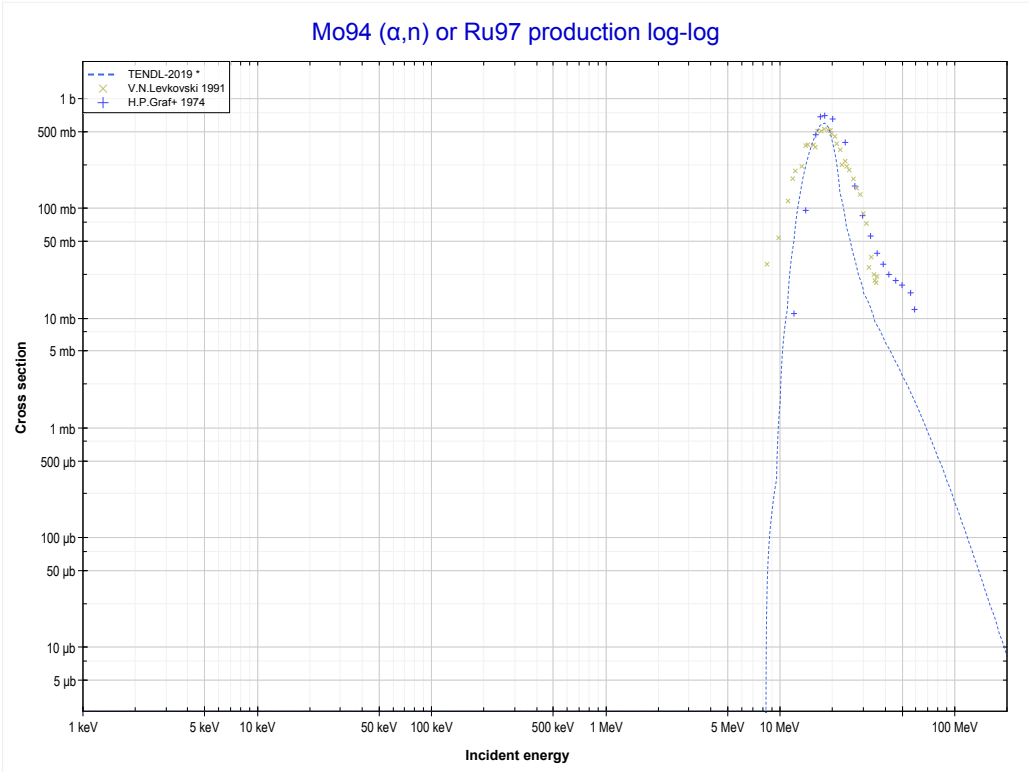
Reaction	Q-Value	Reaction	Q-Value
Mo92(α ,d+ α)Nb90	-17282.30 keV	Mo92(α ,n+p+2d)Nb90	-43353.40 keV
Mo92(α ,n+p+ α)Nb90	-19506.87 keV	Mo92(α ,2n+2p+d)Nb90	-45577.96 keV
Mo92(α ,t+He3)Nb90	-31602.69 keV	Mo92(α ,3n+3p)Nb90	-47802.53 keV
Mo92(α ,p+d+t)Nb90	-37096.17 keV		
Mo92(α ,n+d+He3)Nb90	-37859.92 keV		
Mo92(α ,n+2p+t)Nb90	-39320.73 keV		
Mo92(α ,2n+p+He3)Nb90	-40084.49 keV		
Mo92(α ,3d)Nb90	-41128.83 keV		

<< 40-Zr-90	42-Mo-92	47-Ag-107 >>
<< MT187 ($\alpha,n+d+^3\text{He}$)	MT194 ($\alpha,4n+2p$) or MT5 (Mo90 production)	42-Mo-94 MT4 (α,n) >>



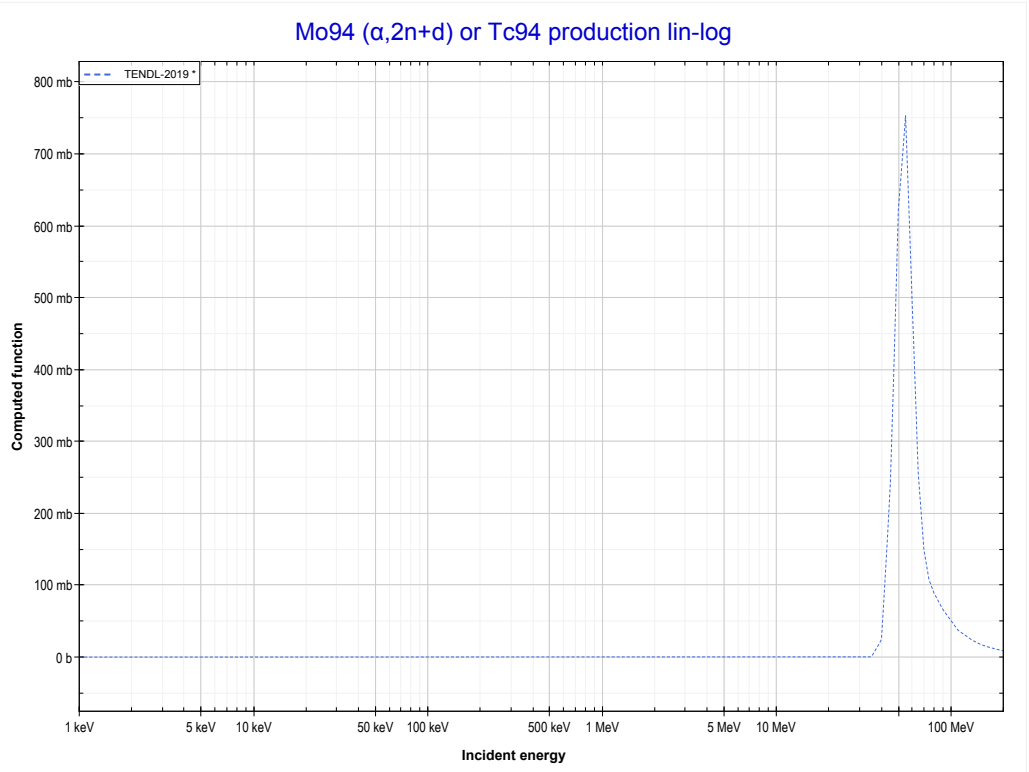
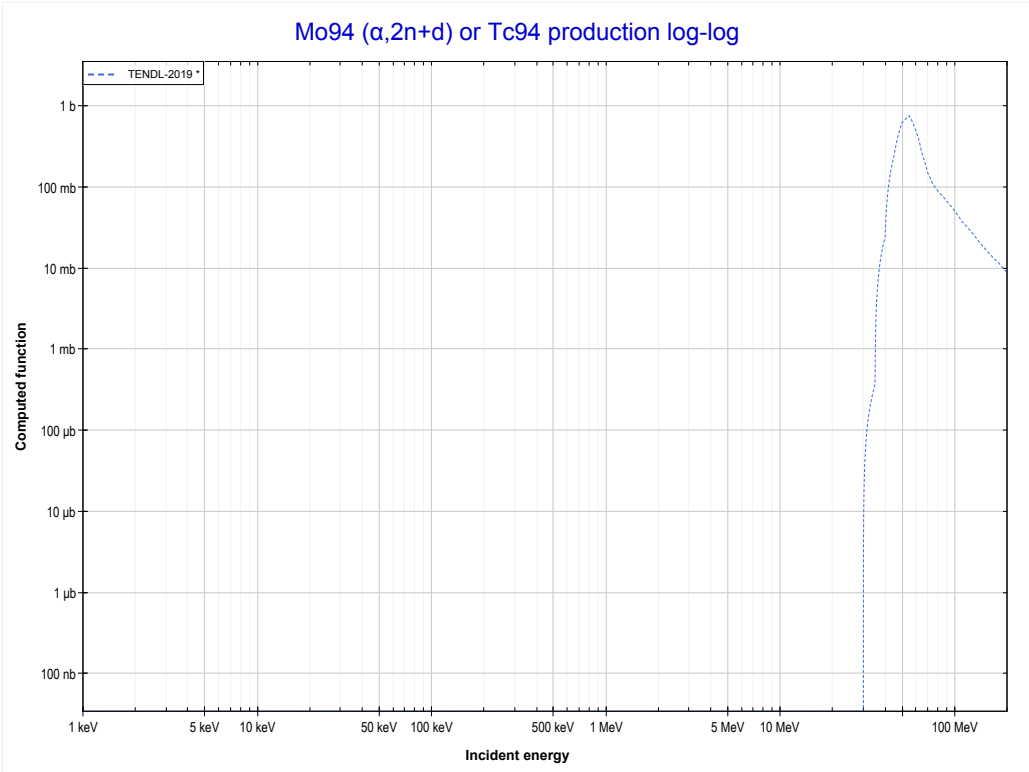
Reaction	Q-Value
Mo92($\alpha,2n+\alpha$)Mo90	-22778.21 keV
Mo92($\alpha,2t$)Mo90	-34110.28 keV
Mo92($\alpha,n+d+t$)Mo90	-40367.51 keV
Mo92($\alpha,2n+p+t$)Mo90	-42592.08 keV
Mo92($\alpha,3n+\text{He3}$)Mo90	-43355.83 keV
Mo92($\alpha,2n+2d$)Mo90	-46624.74 keV
Mo92($\alpha,3n+p+d$)Mo90	-48849.31 keV
Mo92($\alpha,4n+2p$)Mo90	-51073.87 keV

<< 42-Mo-92	42-Mo-94	42-Mo-100 >>
<< 42-Mo-92 MT194 ($\alpha,4n+2p$)	MT4 (α,n) or MT5 (Ru97 production)	MT11 ($\alpha,2n+d$) >>



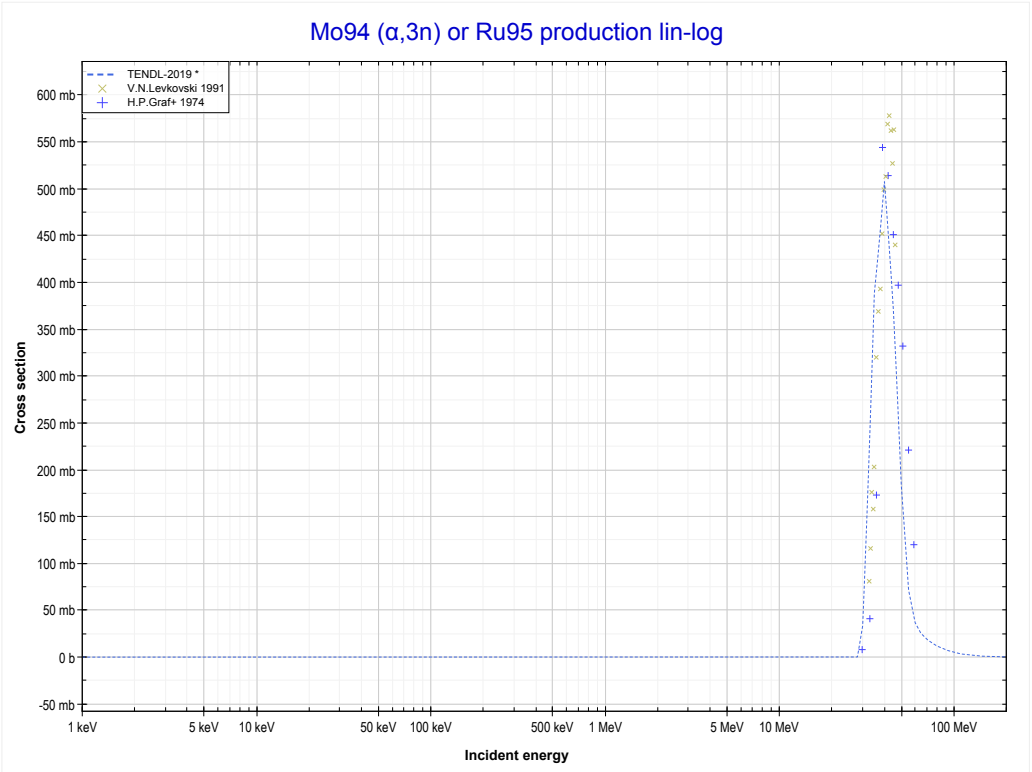
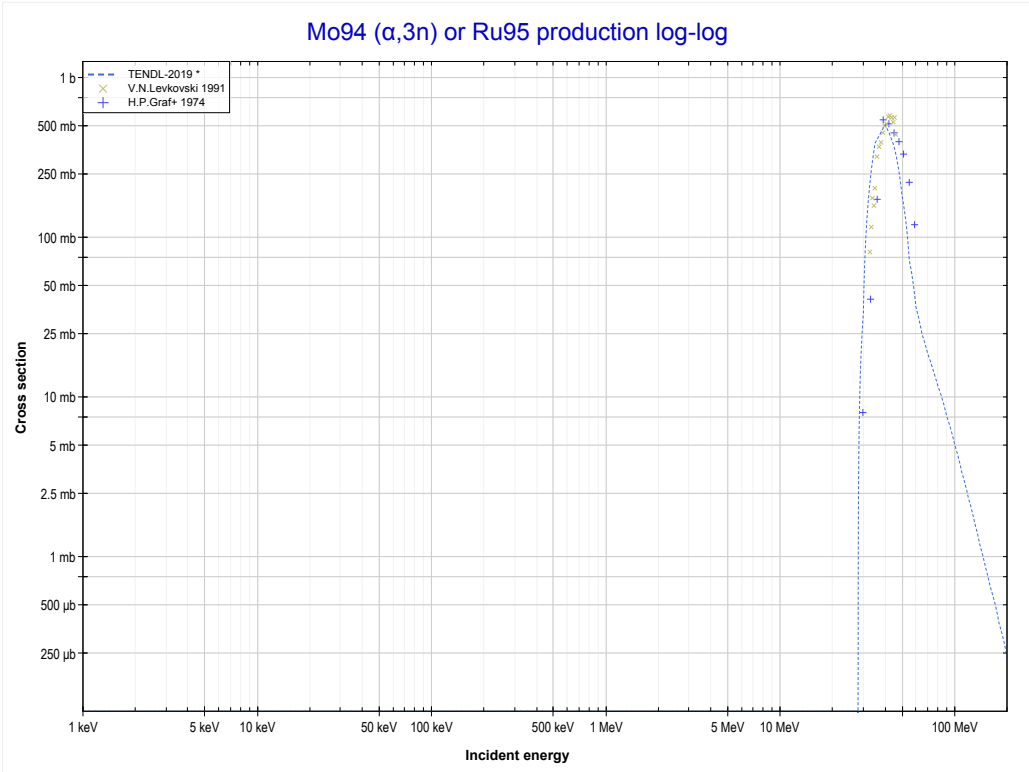
Reaction	Q-Value
Mo94(α,n)Ru97	-7939.86 keV

<< 40-Zr-90	42-Mo-94	42-Mo-95 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Tc94 production)	MT17 (α,3n) >>



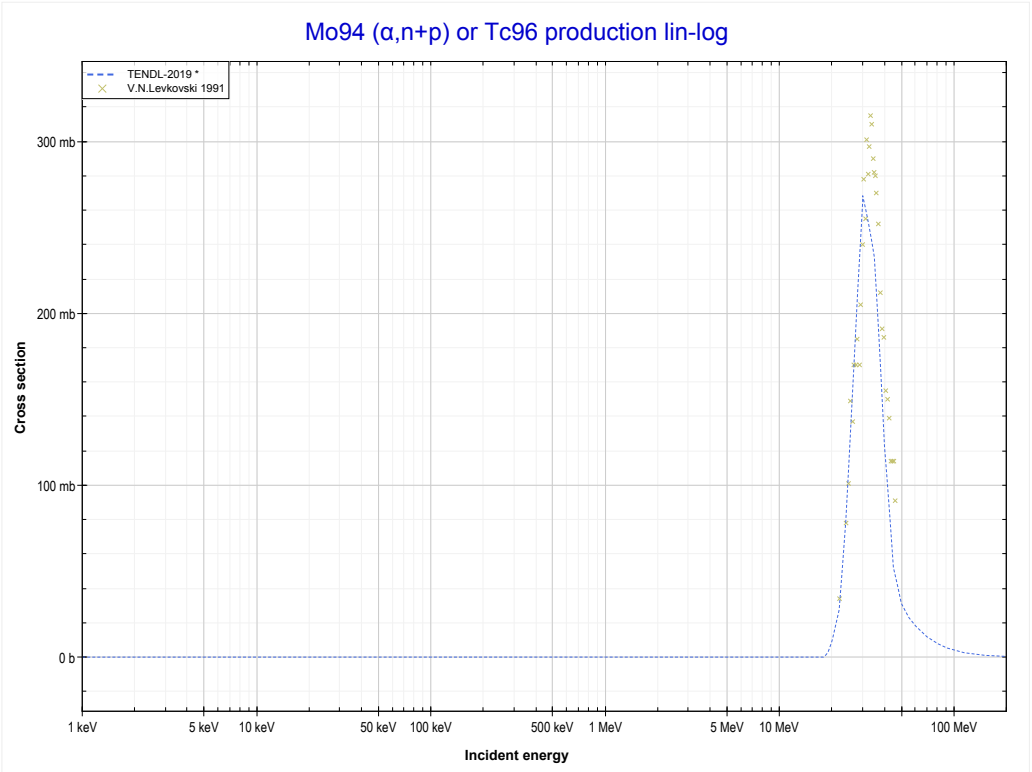
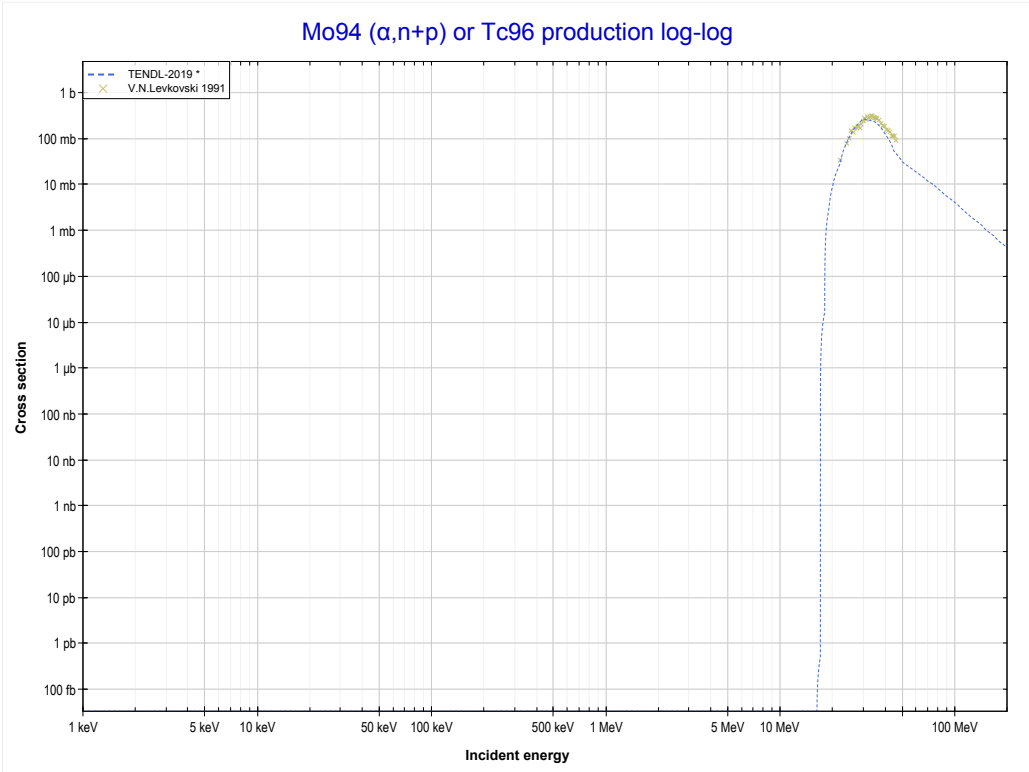
Reaction	Q-Value
Mo94(α,n+t)Tc94	-24852.27 keV
Mo94(α,2n+d)Tc94	-31109.50 keV
Mo94(α,3n+p)Tc94	-33334.07 keV

<< 41-Nb-93	42-Mo-94	42-Mo-96 >>
<< MT11 ($\alpha,2n+d$)	MT17 ($\alpha,3n$) or MT5 (Ru95 production)	MT28 ($\alpha,n+p$) >>



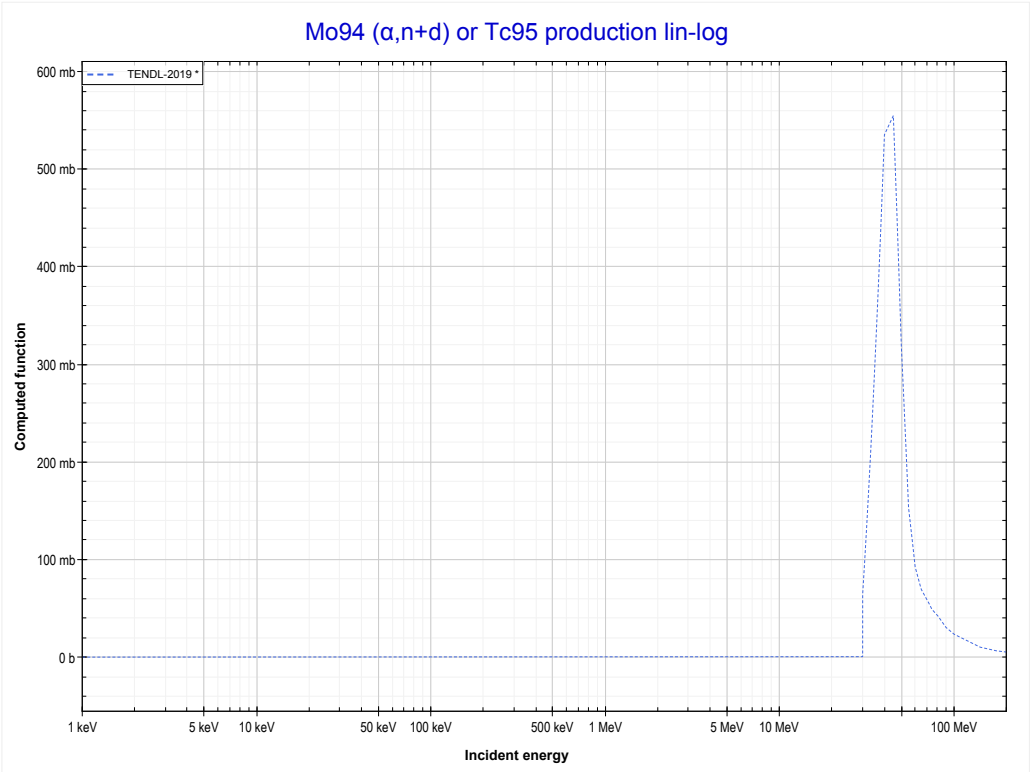
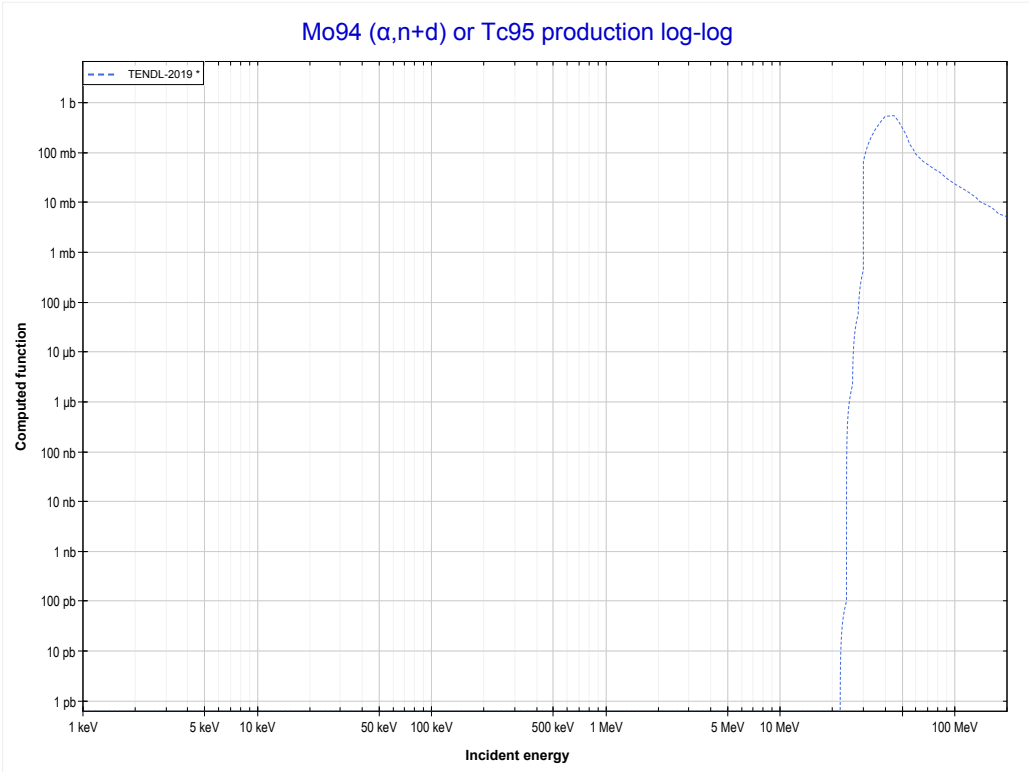
Reaction	Q-Value
Mo94($\alpha,3n$)Ru95	-26745.10 keV

<< 42-Mo-92	42-Mo-94	47-Ag-107 >>
<< MT17 ($\alpha,3n$)	MT28 ($\alpha,n+p$) or MT5 (Tc96 production)	MT32 ($\alpha,n+d$) >>



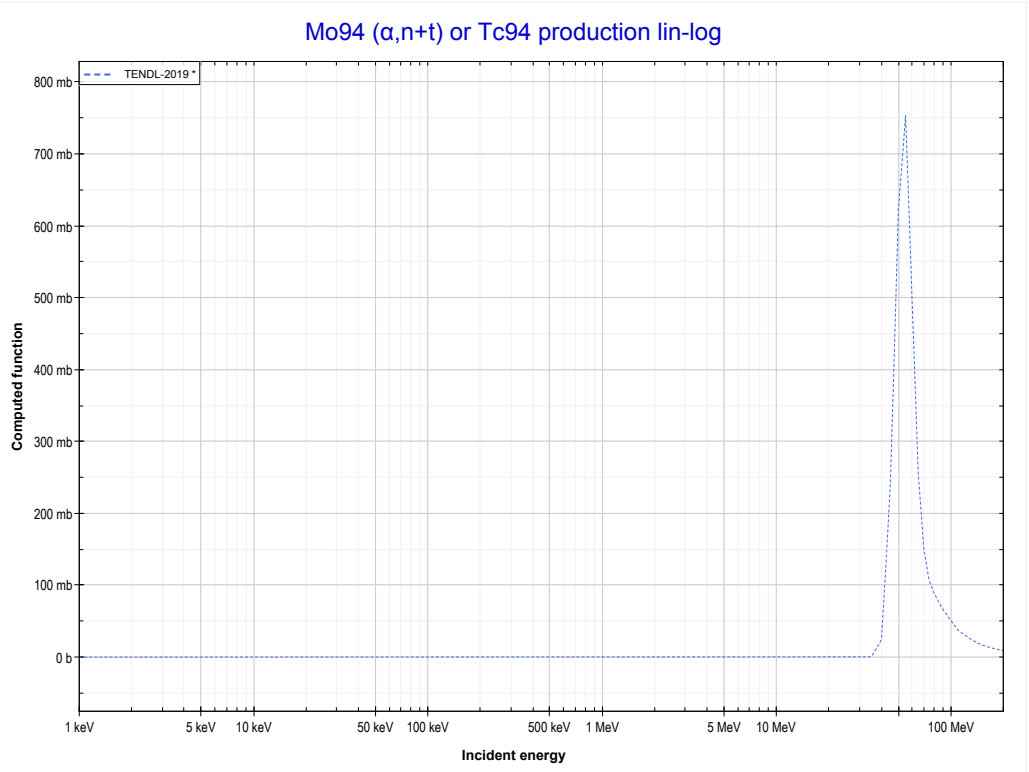
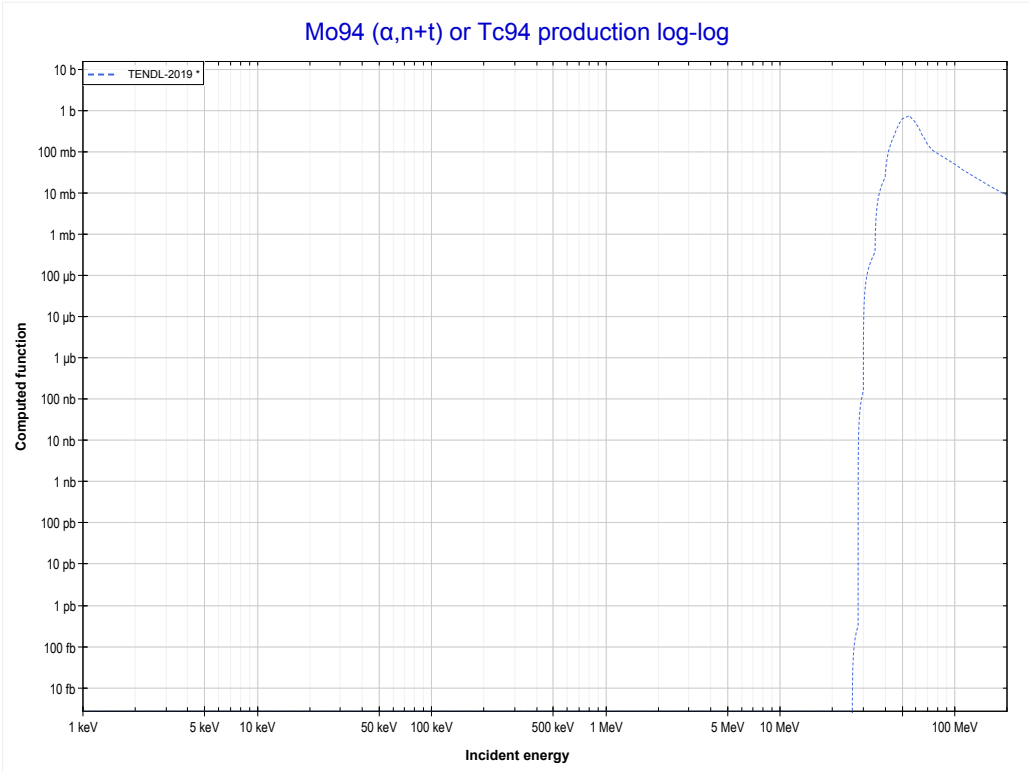
Reaction	Q-Value
Mo94(α,d)Tc96	-13302.87 keV
Mo94($\alpha,n+p$)Tc96	-15527.43 keV

<< 40-Zr-96	42-Mo-94	42-Mo-95 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Tc95 production)	MT33 (α,n+t) >>



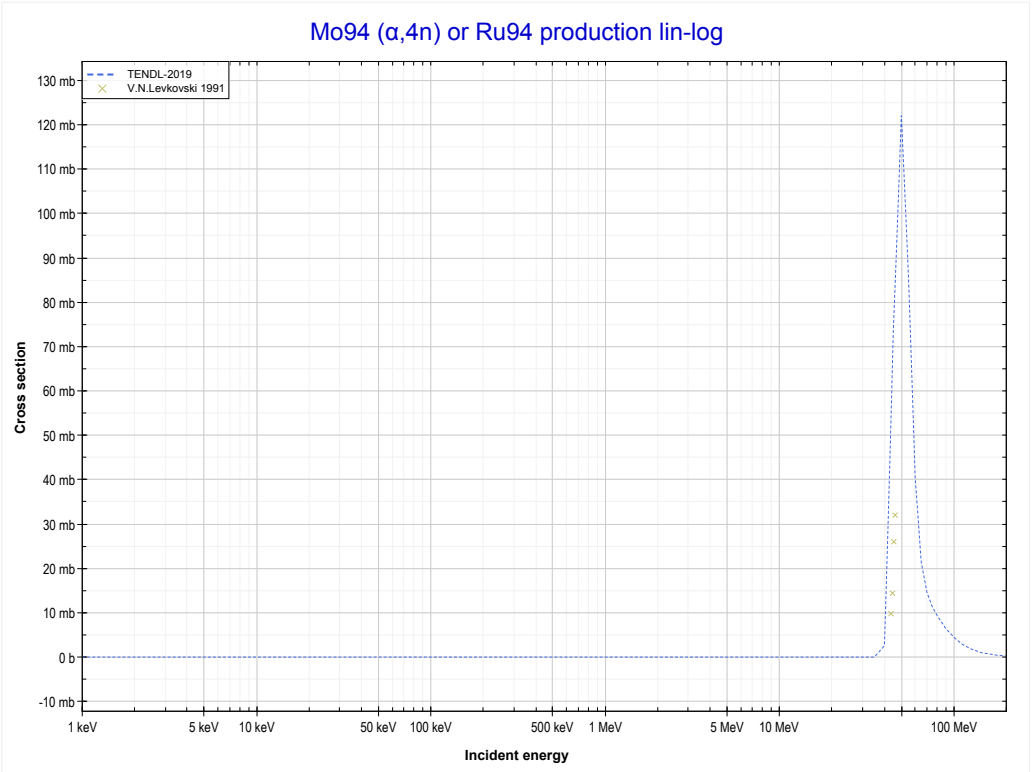
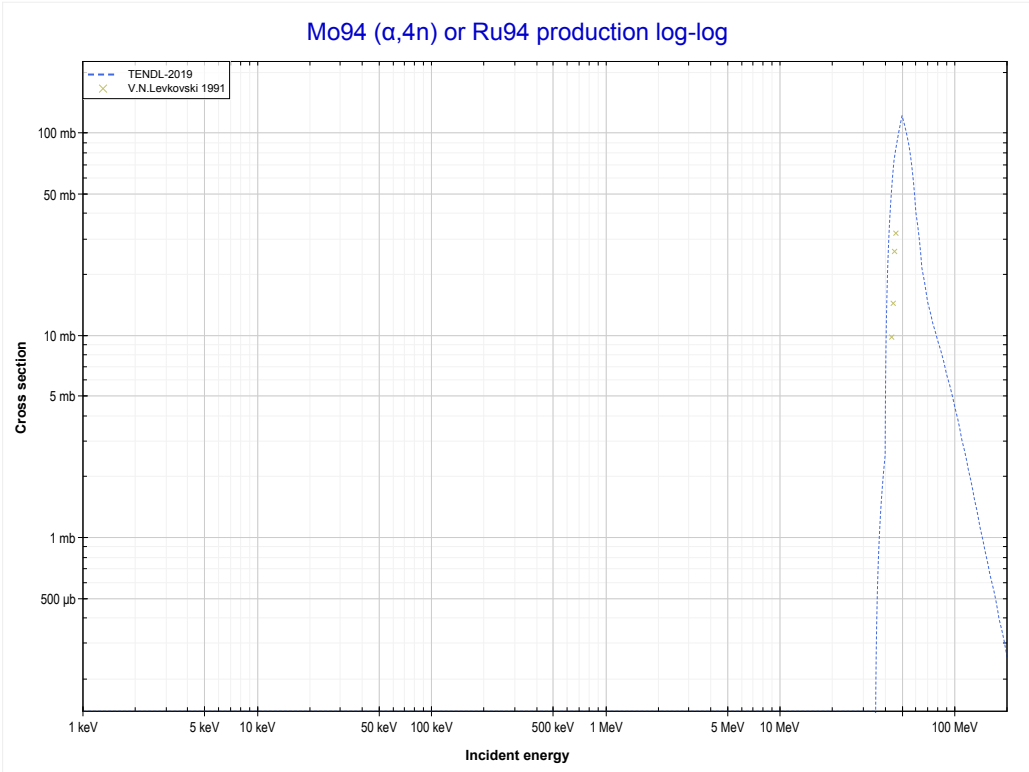
Reaction	Q-Value
Mo94(α,t)Tc95	-14917.95 keV
Mo94(α,n+d)Tc95	-21175.18 keV
Mo94(α,2n+p)Tc95	-23399.75 keV

<< 40-Zr-90	42-Mo-94	42-Mo-95 >>
<< MT32 ($\alpha,n+d$)	MT33 ($\alpha,n+t$) or MT5 (Tc94 production)	MT37 ($\alpha,4n$) >>



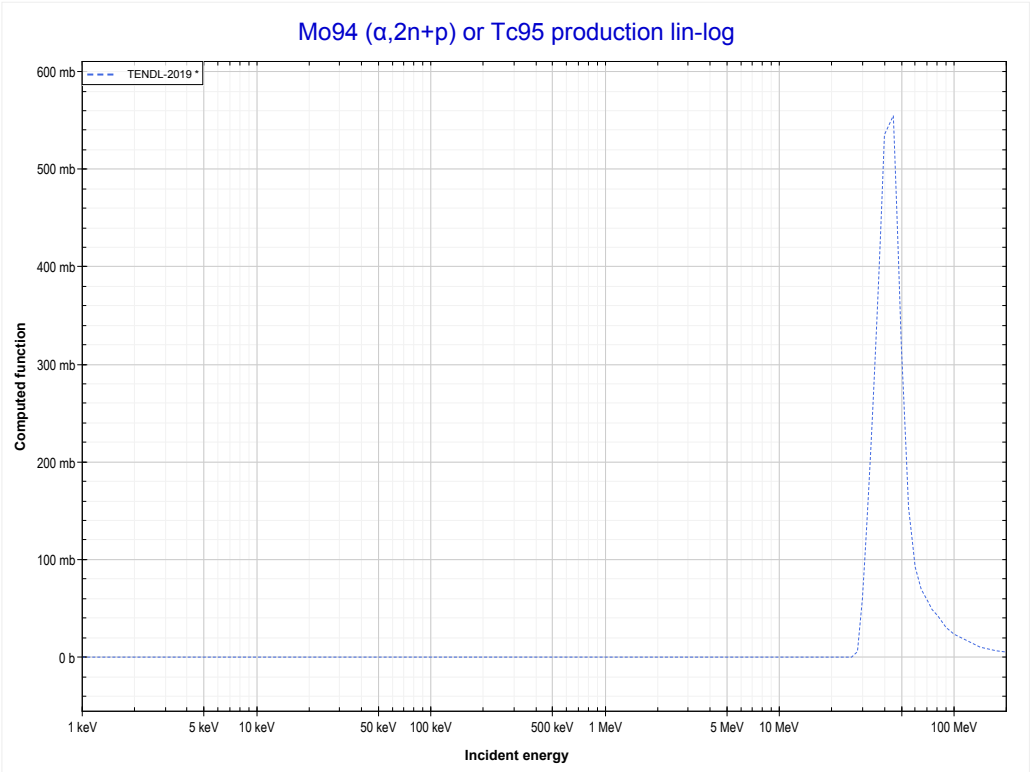
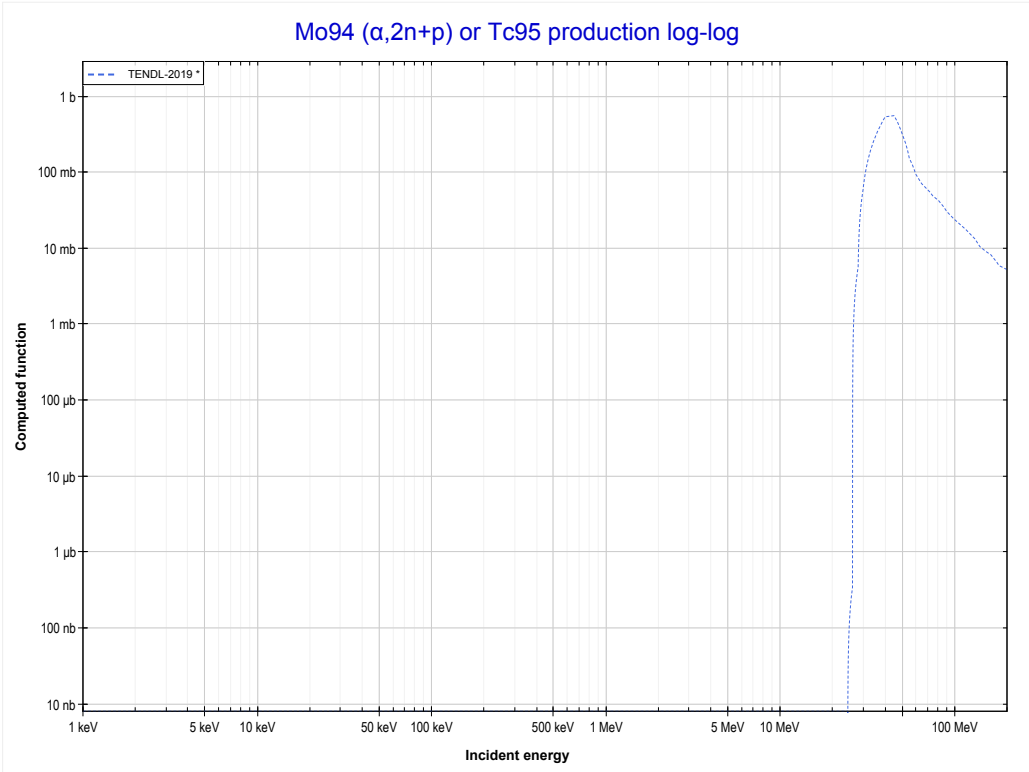
Reaction	Q-Value
Mo94($\alpha,n+t$)Tc94	-24852.27 keV
Mo94($\alpha,2n+d$)Tc94	-31109.50 keV
Mo94($\alpha,3n+p$)Tc94	-33334.07 keV

<< 41-Nb-93	42-Mo-94	42-Mo-95 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Ru94 production)	MT41 ($\alpha,2n+p$) >>



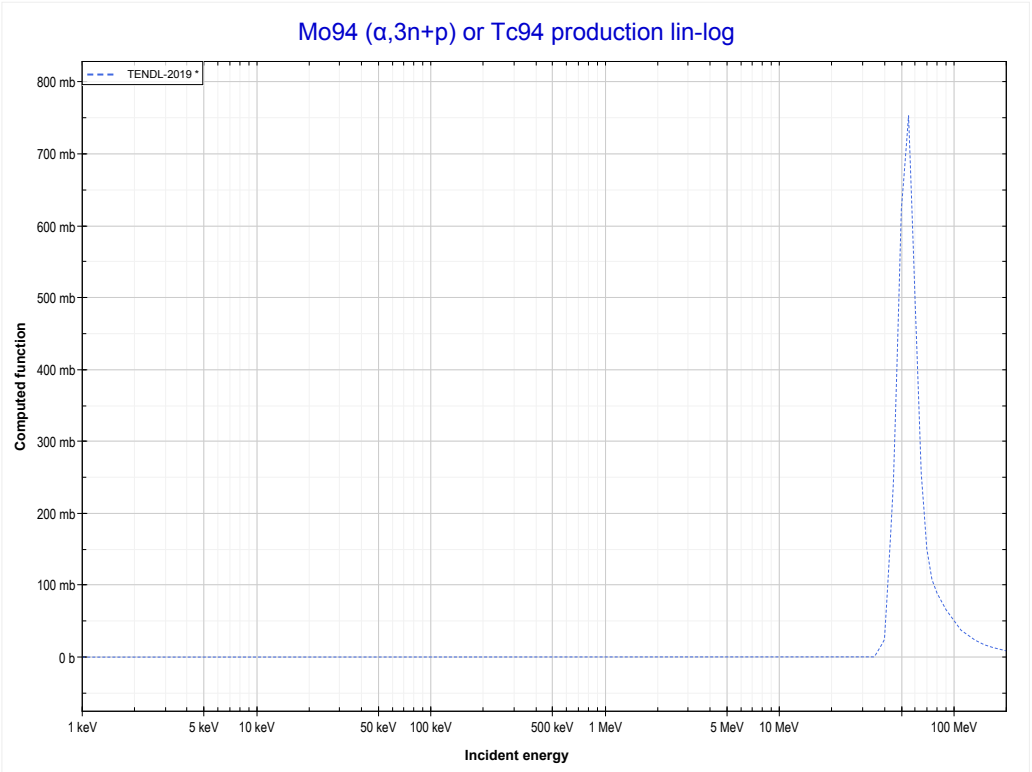
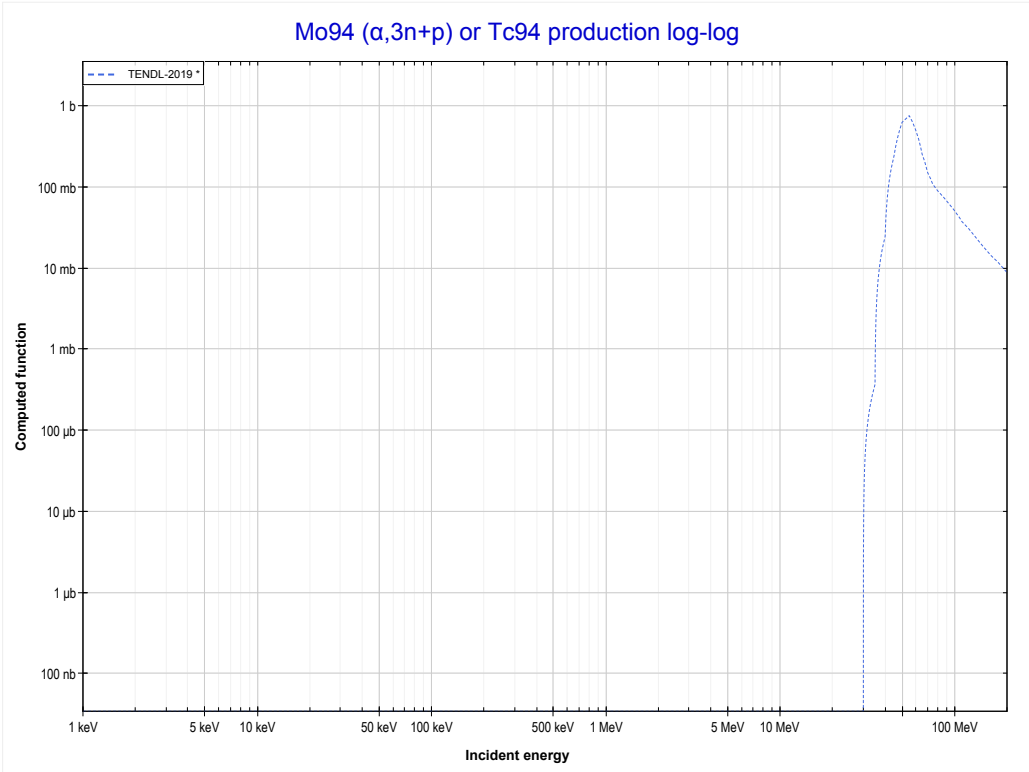
Reaction	Q-Value
Mo94($\alpha,4n$)Ru94	-35690.41 keV

<< 40-Zr-96	42-Mo-94	42-Mo-95 >>
<< MT37 ($\alpha,4n$)	MT41 ($\alpha,2n+p$) or MT5 (Tc95 production)	MT42 ($\alpha,3n+p$) >>



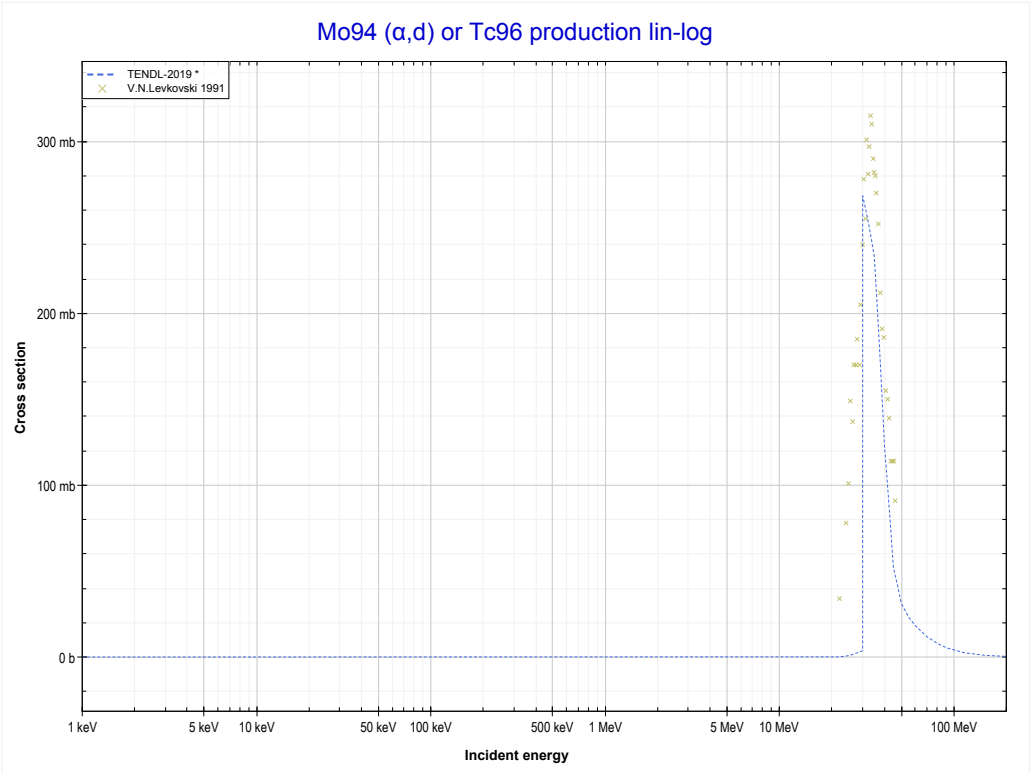
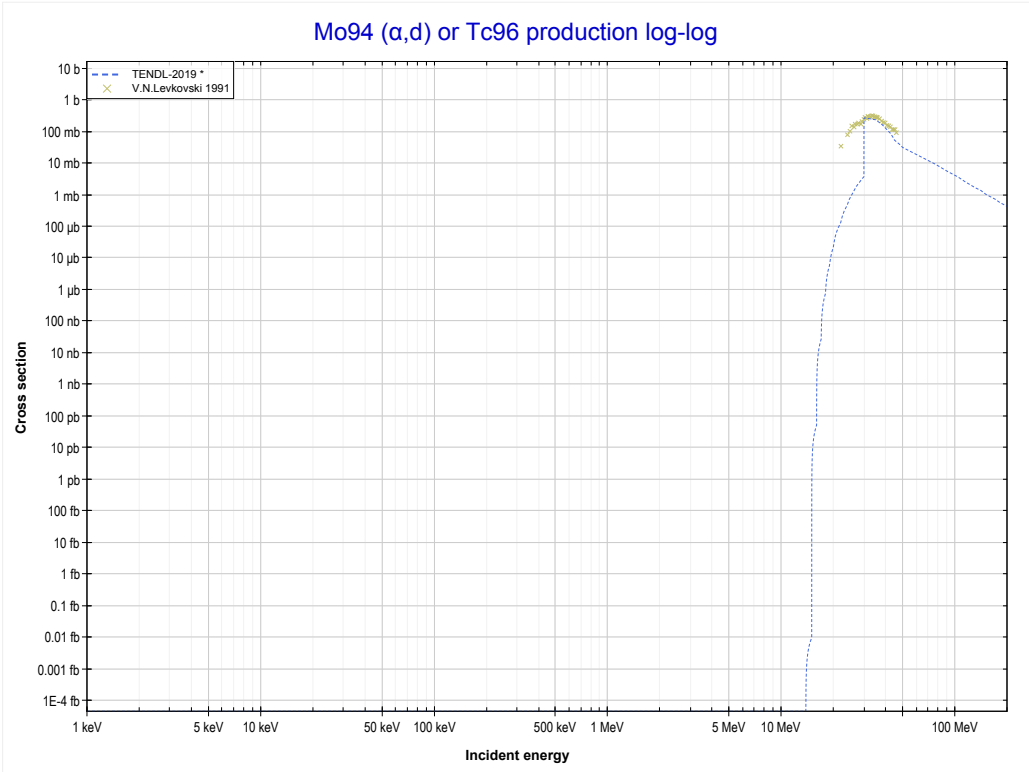
Reaction	Q-Value
Mo94(α,t)Tc95	-14917.95 keV
Mo94($\alpha,n+d$)Tc95	-21175.18 keV
Mo94($\alpha,2n+p$)Tc95	-23399.75 keV

<< 41-Nb-93	42-Mo-94	42-Mo-95 >>
<< MT41 ($\alpha,2n+p$)	MT42 ($\alpha,3n+p$) or MT5 (Tc94 production)	MT104 (α,d) >>



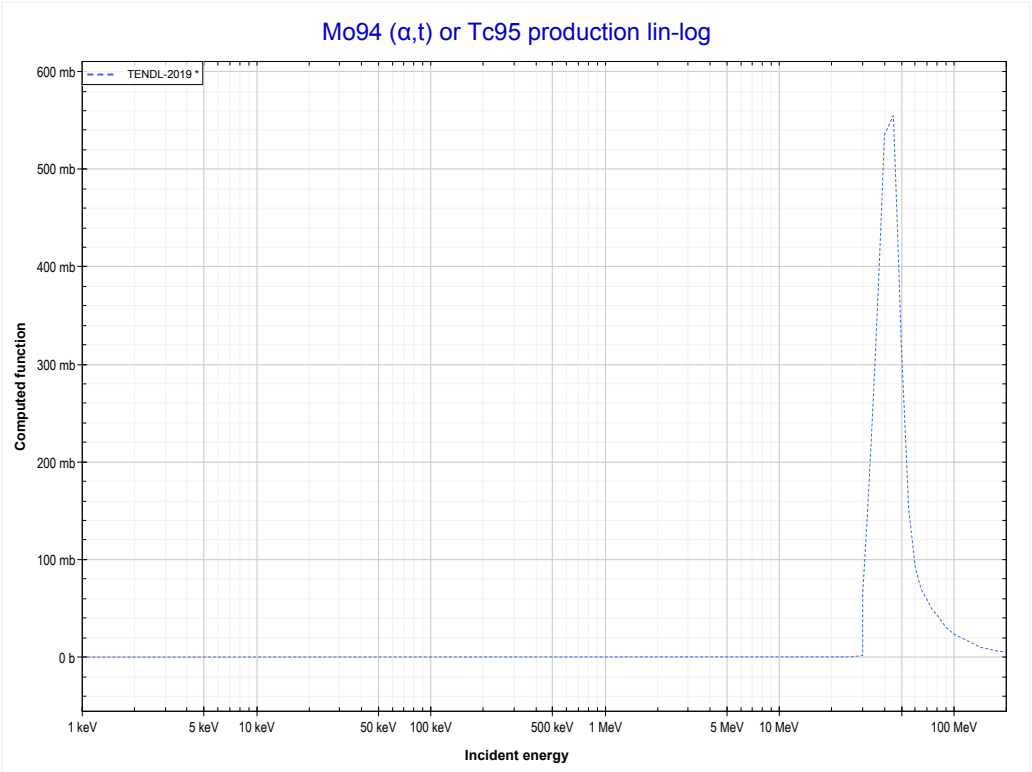
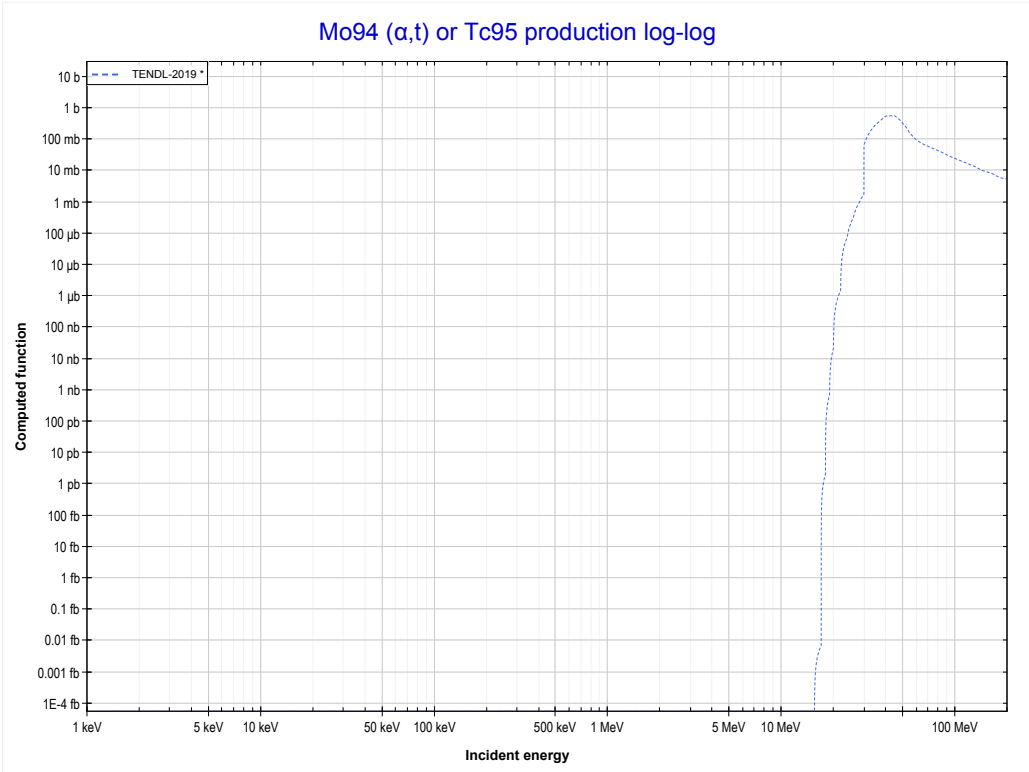
Reaction	Q-Value
Mo94($\alpha,n+t$)Tc94	-24852.27 keV
Mo94($\alpha,2n+d$)Tc94	-31109.50 keV
Mo94($\alpha,3n+p$)Tc94	-33334.07 keV

<< 42-Mo-92	42-Mo-94	47-Ag-107 >>
<< MT42 ($\alpha,3n+p$)	MT104 (α,d) or MT5 (Tc96 production)	MT105 (α,t) >>



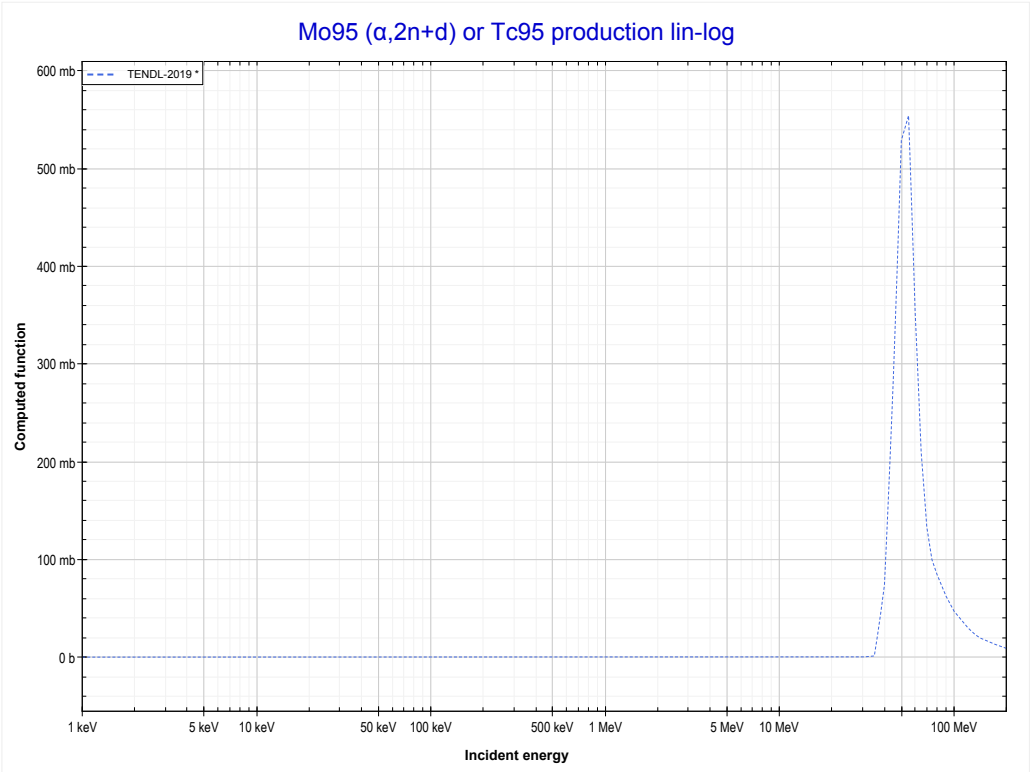
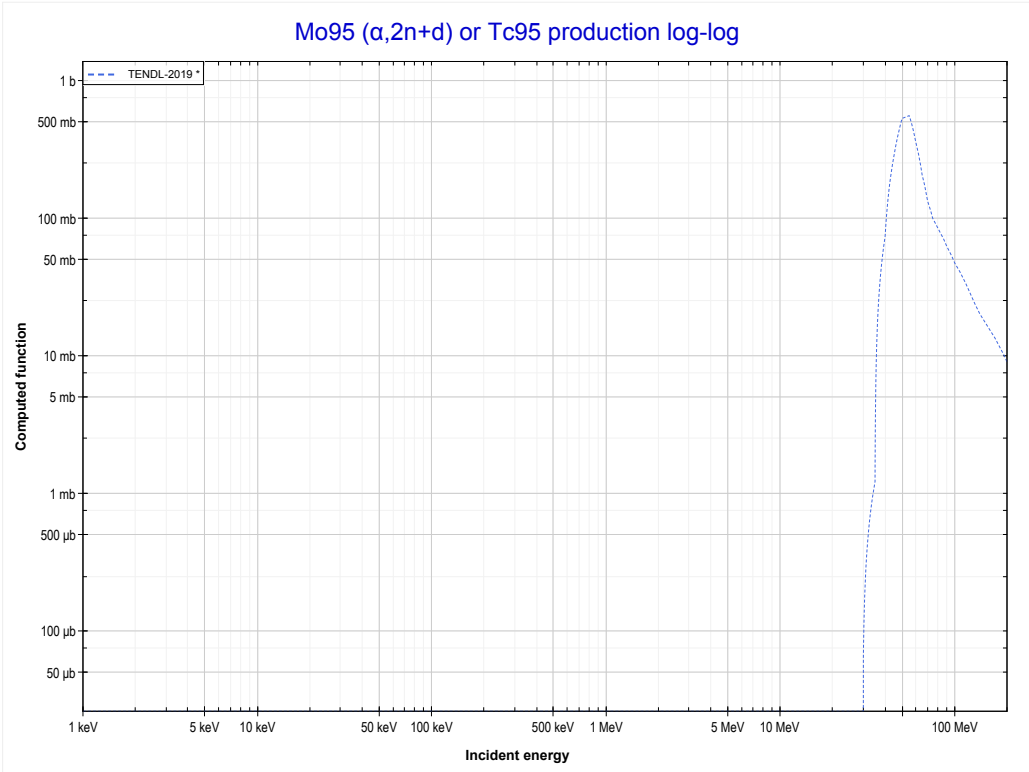
Reaction	Q-Value
Mo94(α,d)Tc96	-13302.87 keV
Mo94($\alpha,n+p$)Tc96	-15527.43 keV

<< 40-Zr-96	42-Mo-94	42-Mo-95 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Tc95 production)	42-Mo-95 MT11 (α,2n+d) >>



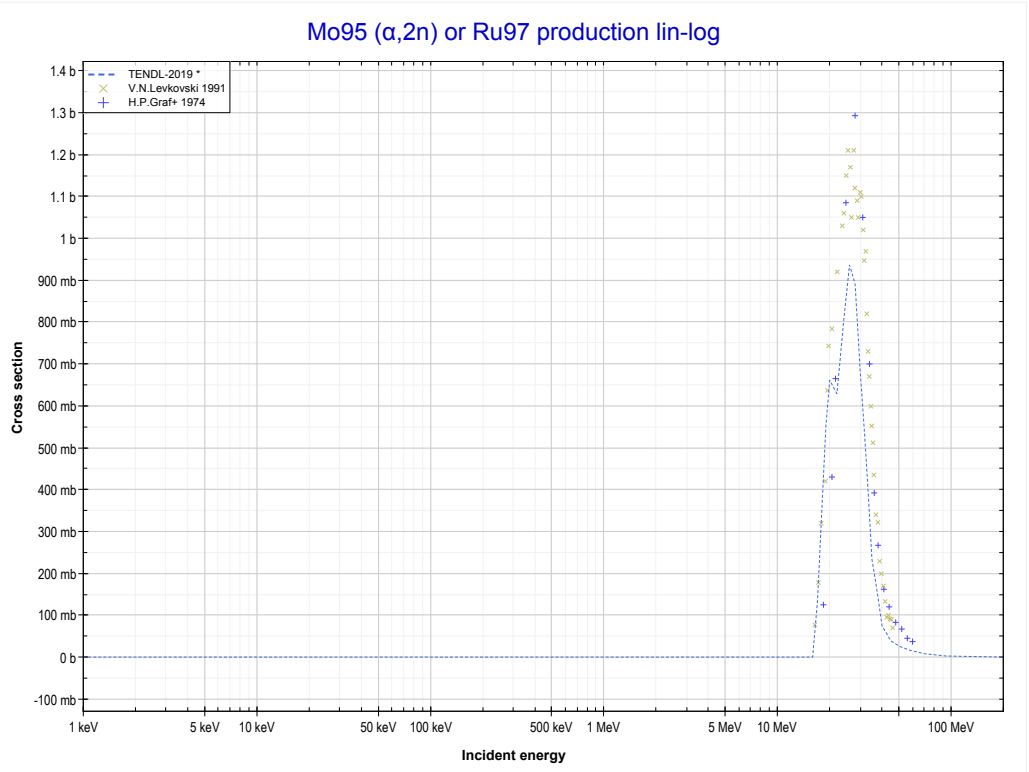
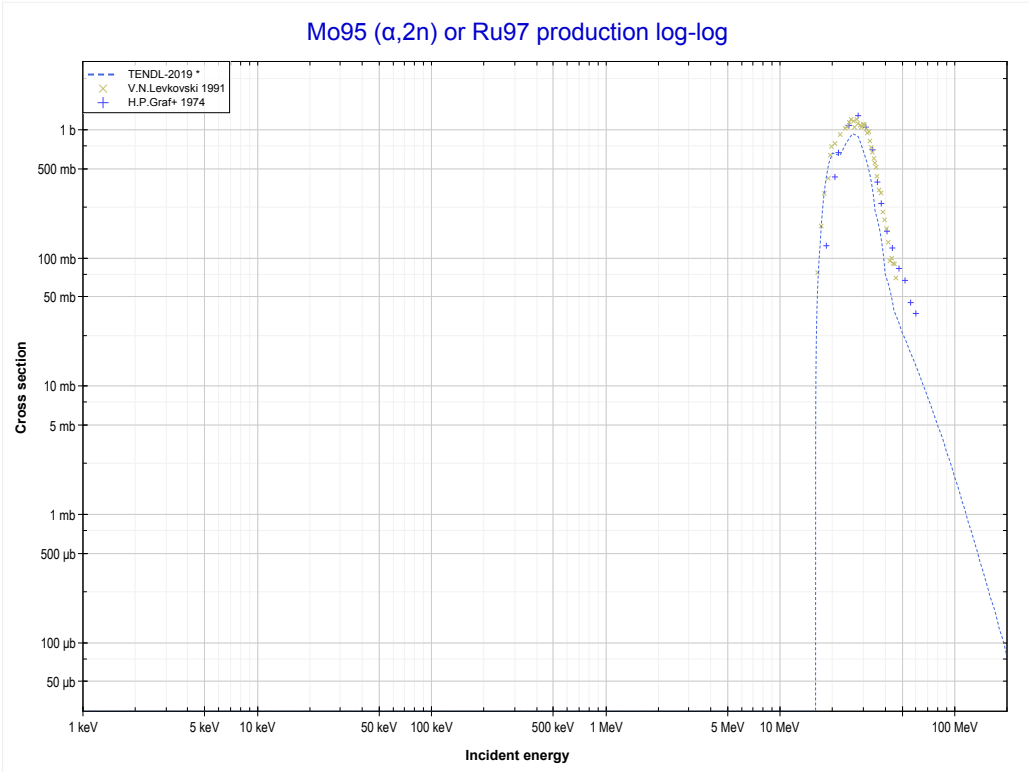
Reaction	Q-Value
Mo94(α,t)Tc95	-14917.95 keV
Mo94(α,n+d)Tc95	-21175.18 keV
Mo94(α,2n+p)Tc95	-23399.75 keV

<< 42-Mo-94	42-Mo-95	42-Mo-96 >>
<< 42-Mo-94 MT105 (α,t)	MT11 (α,2n+d) or MT5 (Tc95 production)	MT16 (α,2n) >>



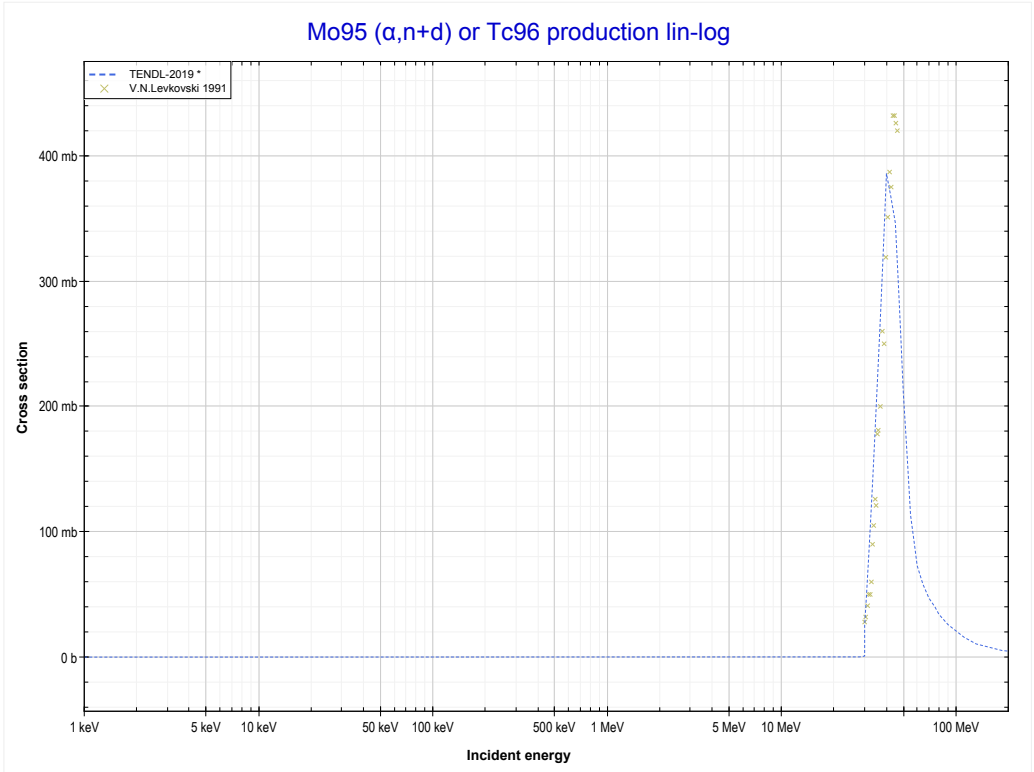
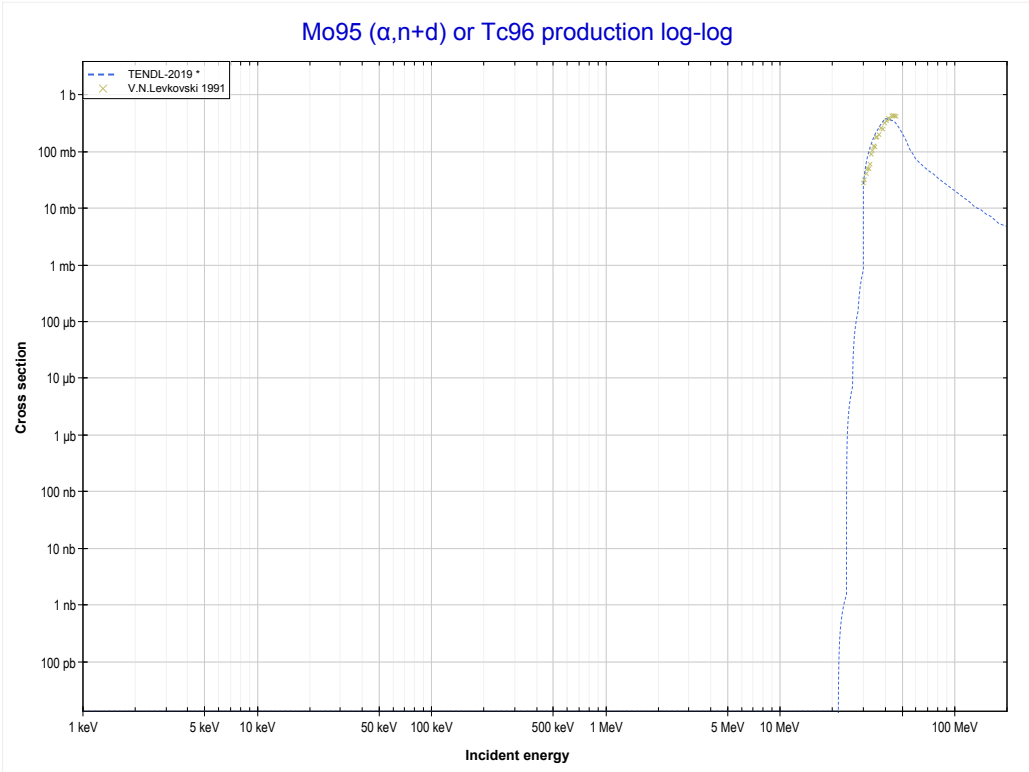
Reaction	Q-Value
Mo95(α,n+t)Tc95	-22287.07 keV
Mo95(α,2n+d)Tc95	-28544.30 keV
Mo95(α,3n+p)Tc95	-30768.87 keV

<< 42-Mo-92	42-Mo-95	44-Ru-101 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (Ru97 production)	MT32 ($\alpha,n+d$) >>



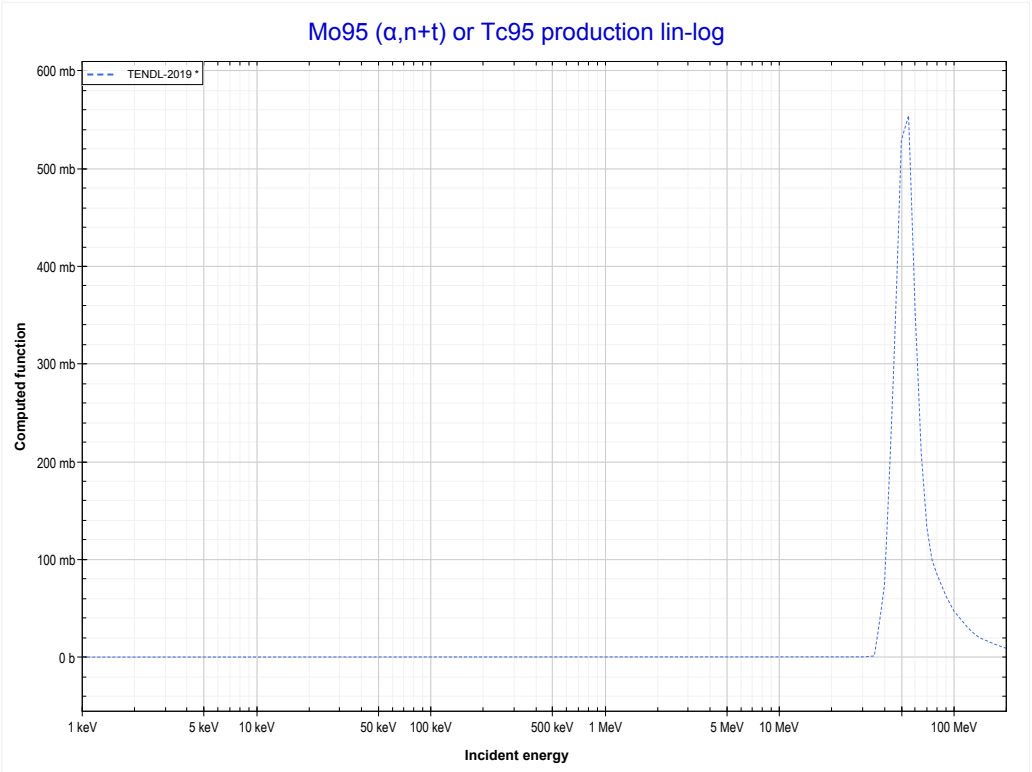
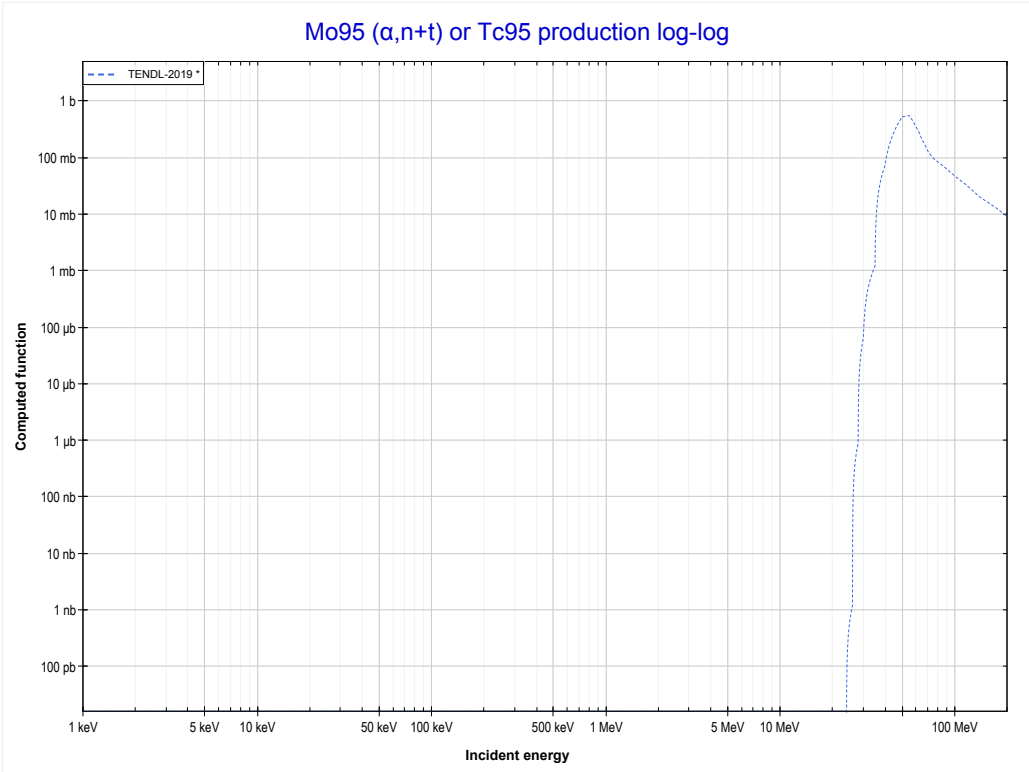
Reaction	Q-Value
Mo95($\alpha,2n$)Ru97	-15308.98 keV

<< 42-Mo-94	42-Mo-95	92-U-233 >>
<< MT16 ($\alpha,2n$)	MT32 ($\alpha,n+d$) or MT5 (Tc96 production)	MT33 ($\alpha,n+t$) >>



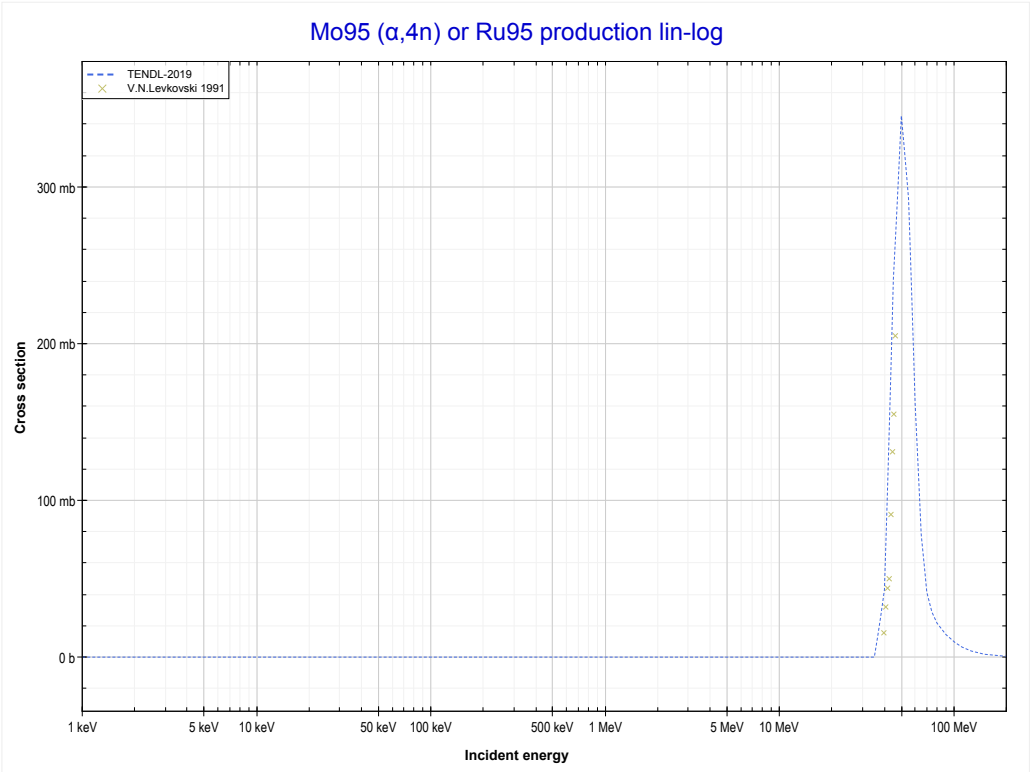
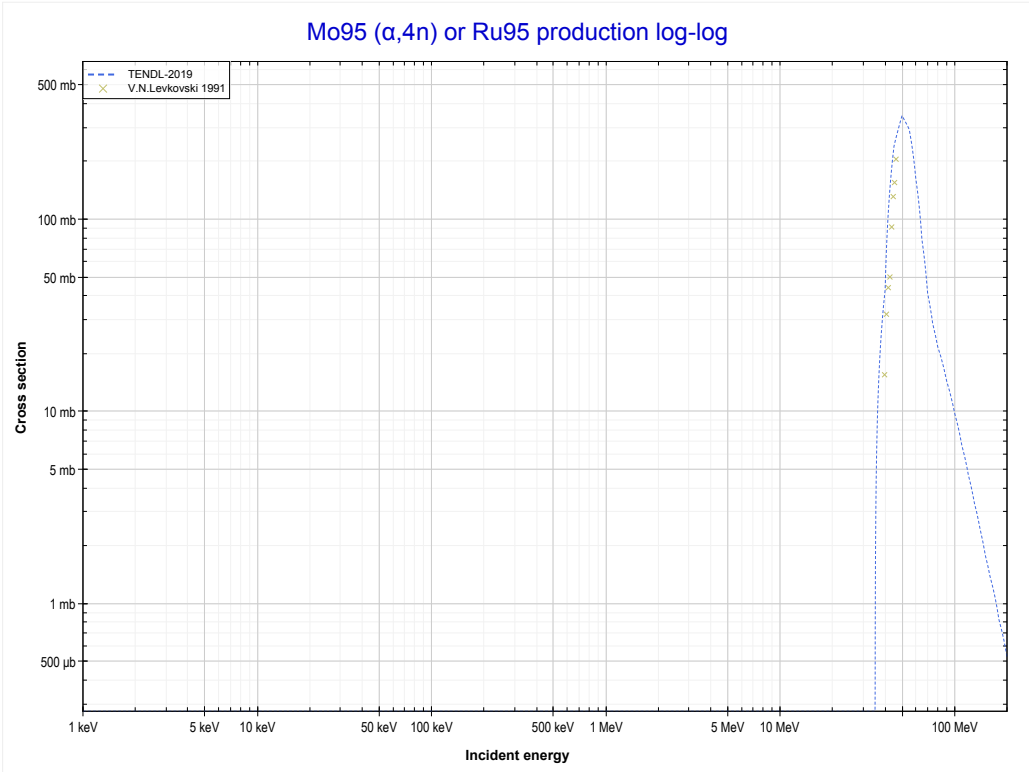
Reaction	Q-Value
Mo95(α,t)Tc96	-14414.75 keV
Mo95($\alpha,n+d$)Tc96	-20671.98 keV
Mo95($\alpha,2n+p$)Tc96	-22896.55 keV

<< 42-Mo-94	42-Mo-95	42-Mo-96 >>
<< MT32 (α ,n+d)	MT33 (α ,n+t) or MT5 (Tc95 production)	MT37 (α ,4n) >>



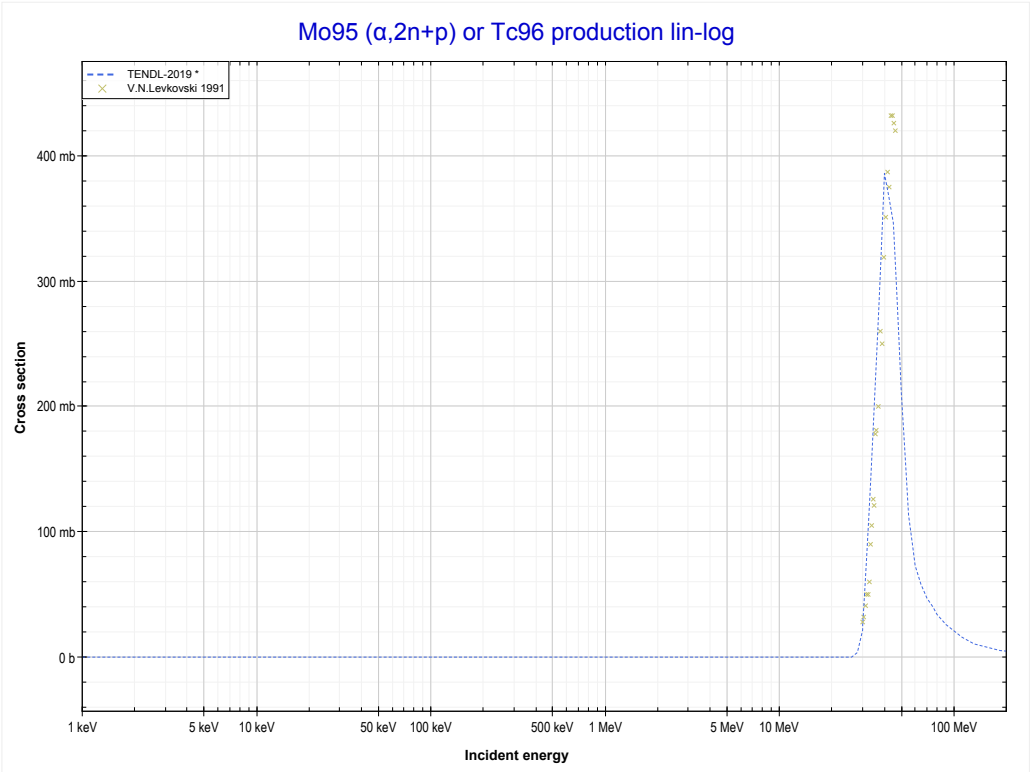
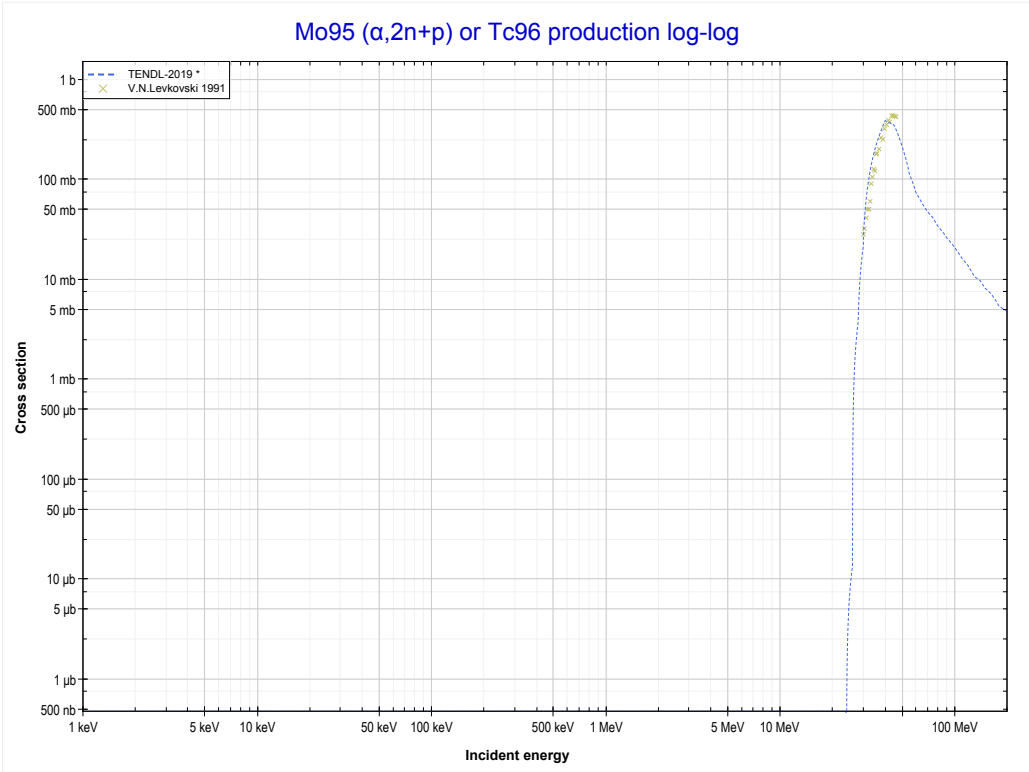
Reaction	Q-Value
Mo95(α ,n+t)Tc95	-22287.07 keV
Mo95(α ,2n+d)Tc95	-28544.30 keV
Mo95(α ,3n+p)Tc95	-30768.87 keV

<< 42-Mo-94	42-Mo-95	42-Mo-97 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Ru95 production)	MT41 ($\alpha,2n+p$) >>



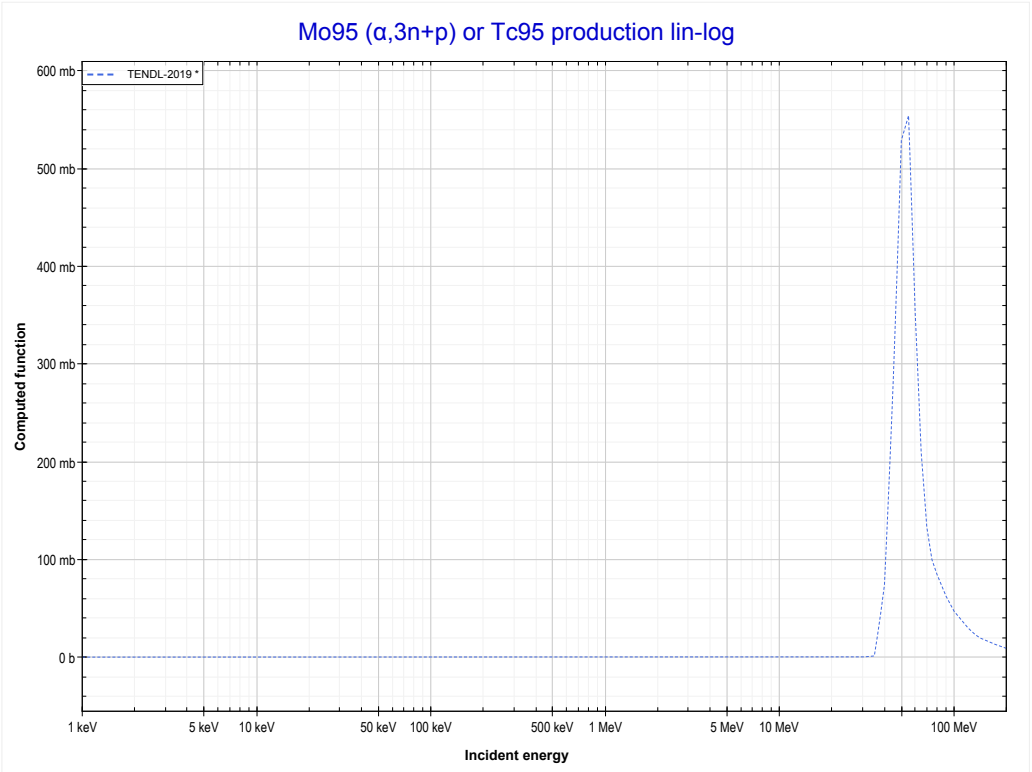
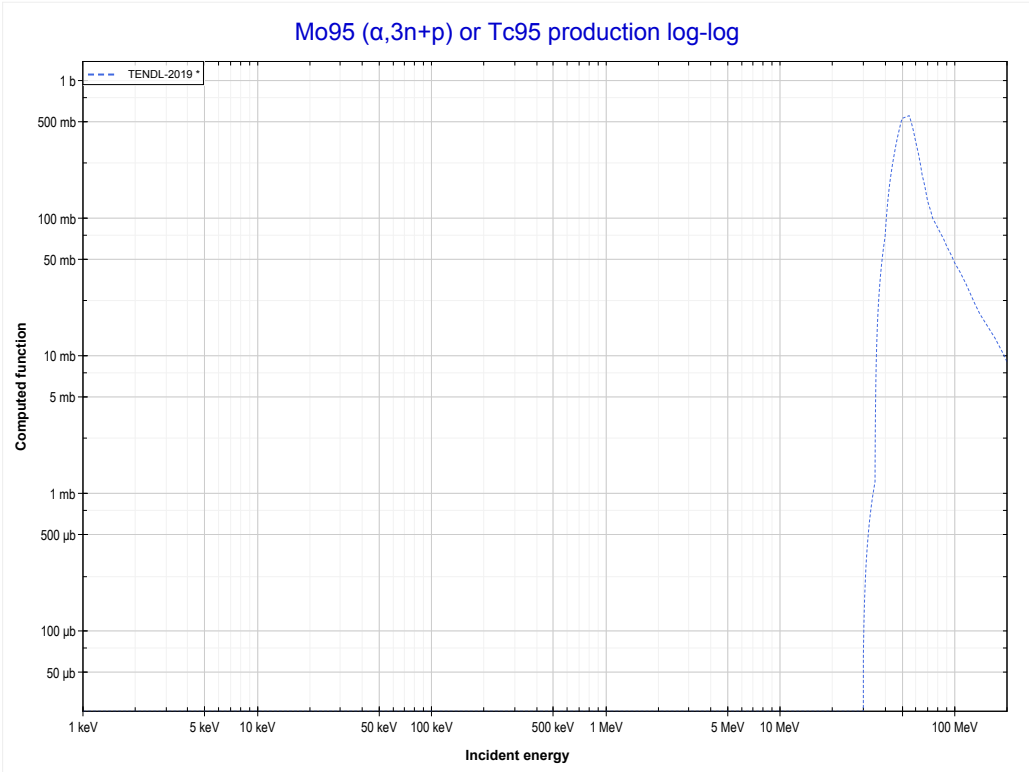
Reaction	Q-Value
Mo95($\alpha,4n$)Ru95	-34114.21 keV

<< 42-Mo-94	42-Mo-95	48-Cd-114 >>
<< MT37 ($\alpha,4n$)	MT41 ($\alpha,2n+p$) or MT5 (Tc96 production)	MT42 ($\alpha,3n+p$) >>



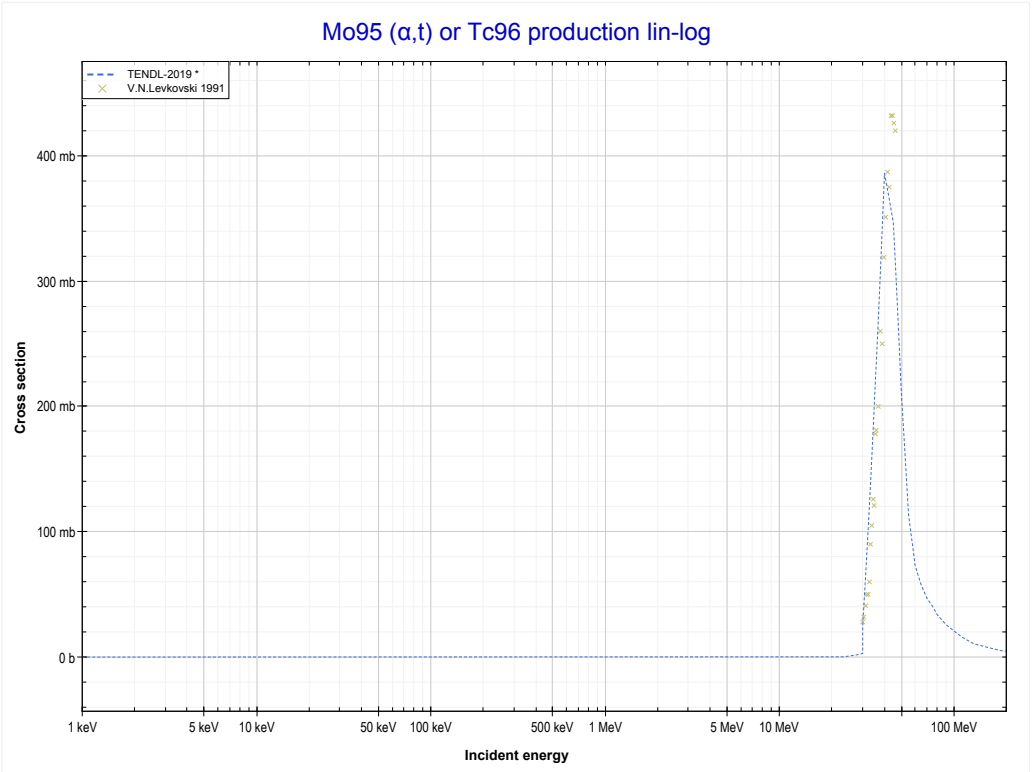
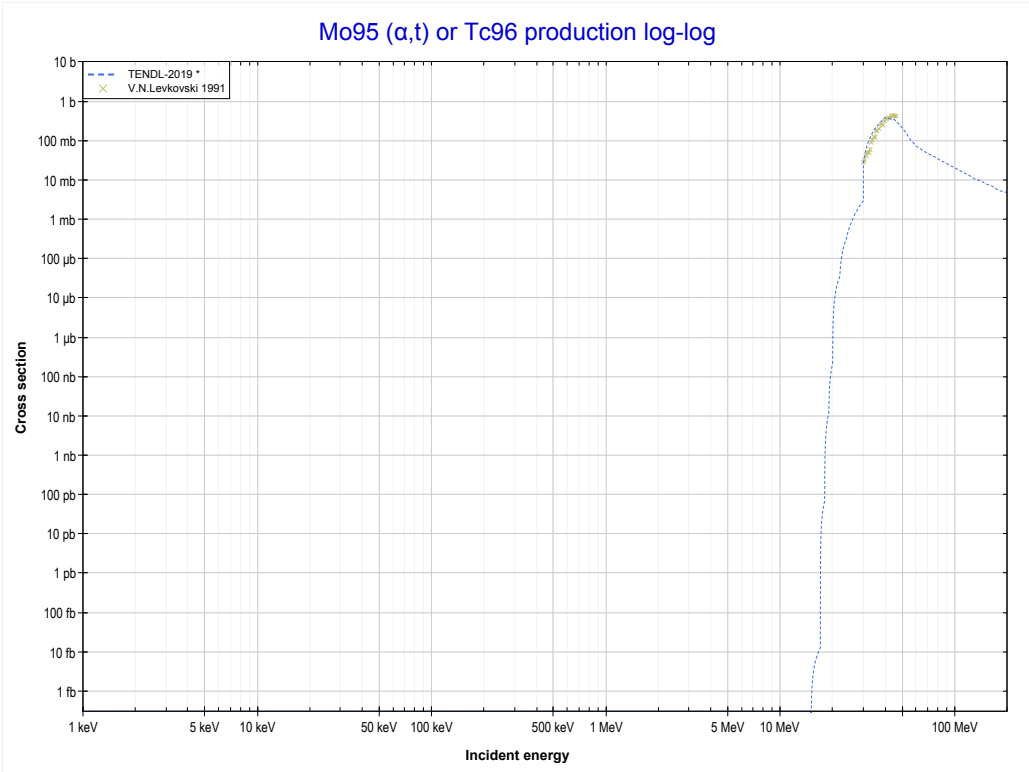
Reaction	Q-Value
Mo95(α,t)Tc96	-14414.75 keV
Mo95($\alpha,n+d$)Tc96	-20671.98 keV
Mo95($\alpha,2n+p$)Tc96	-22896.55 keV

<< 42-Mo-94	42-Mo-95	42-Mo-96 >>
<< MT41 (α,2n+p)	MT42 (α,3n+p) or MT5 (Tc95 production)	MT105 (α,t) >>



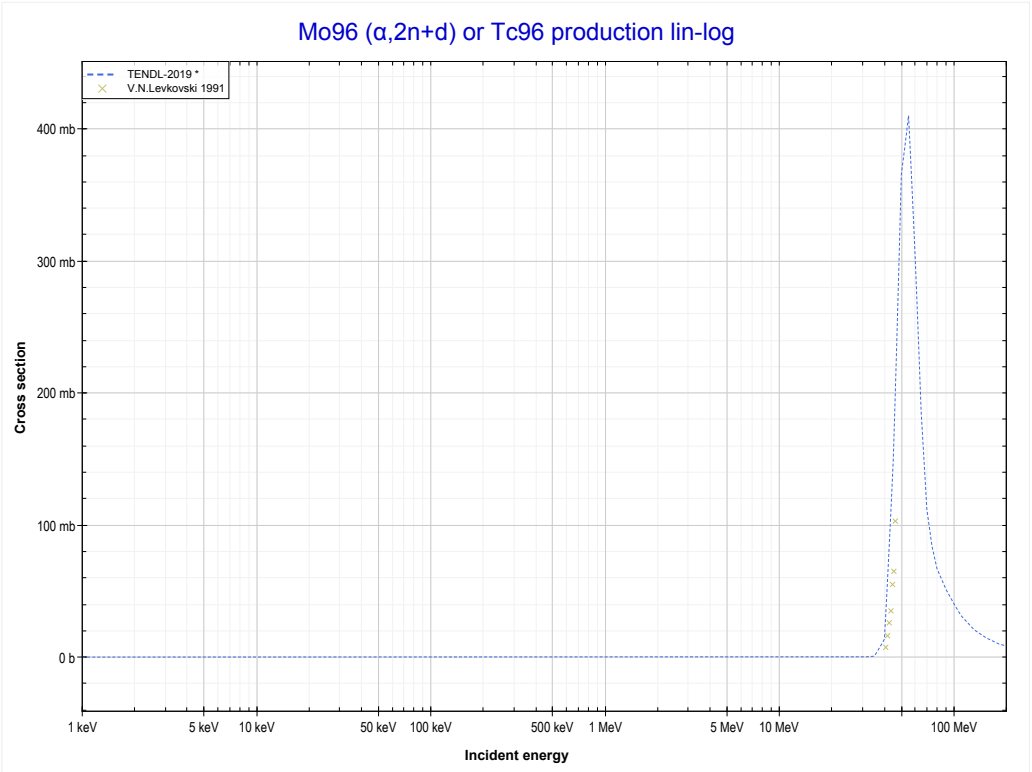
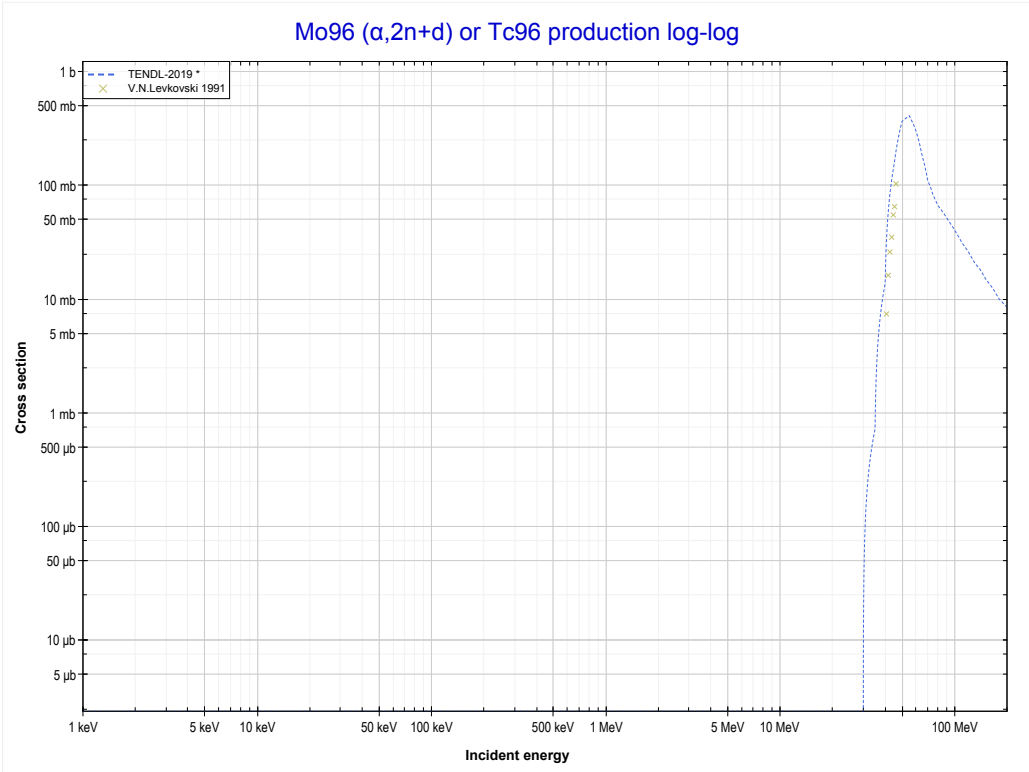
Reaction	Q-Value
Mo95(α,n+t)Tc95	-22287.07 keV
Mo95(α,2n+d)Tc95	-28544.30 keV
Mo95(α,3n+p)Tc95	-30768.87 keV

<< 42-Mo-94	42-Mo-95	92-U-233 >>
<< MT42 ($\alpha,3n+p$)	MT105 (α,t) or MT5 (Tc96 production)	42-Mo-96 MT11 ($\alpha,2n+d$) >>



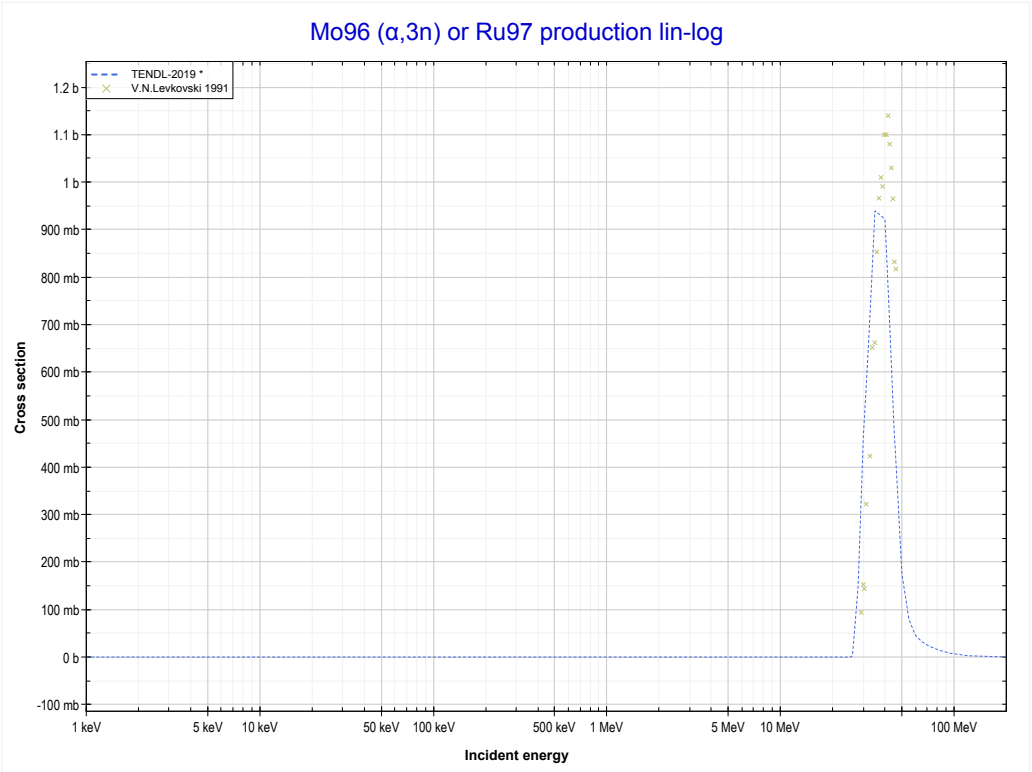
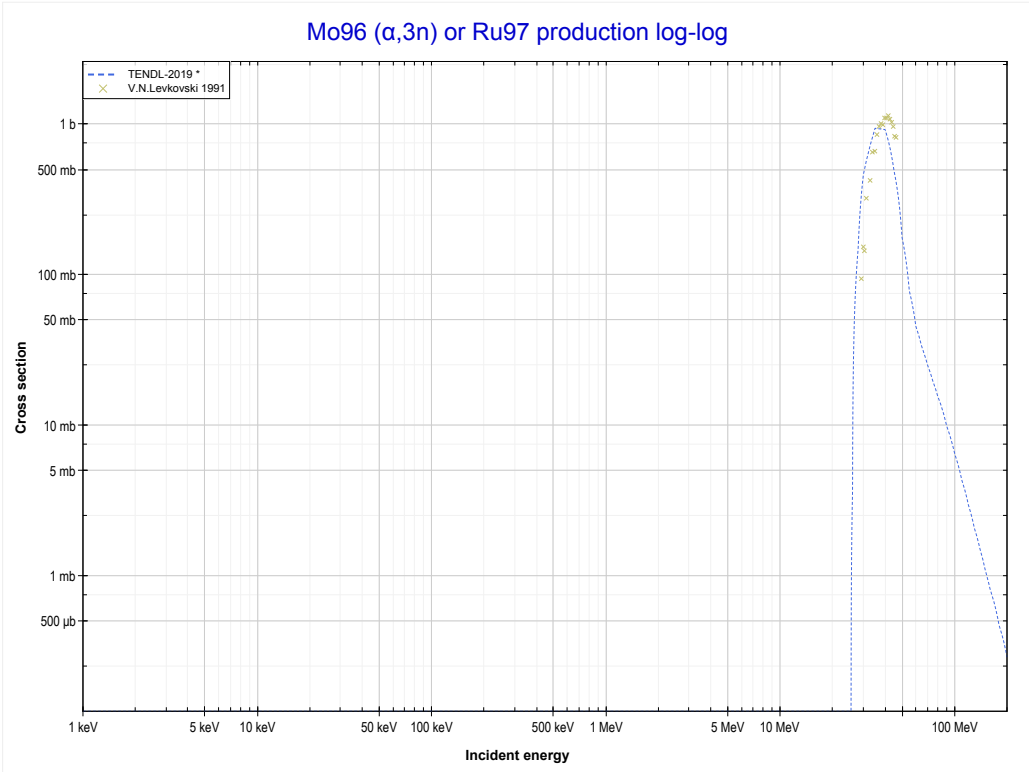
Reaction	Q-Value
Mo95(α,t)Tc96	-14414.75 keV
Mo95($\alpha,n+d$)Tc96	-20671.98 keV
Mo95($\alpha,2n+p$)Tc96	-22896.55 keV

<< 42-Mo-95	42-Mo-96	51-Sb-121 >>
<< 42-Mo-95 MT105 (α,t)	MT11 (α,2n+d) or MT5 (Tc96 production)	MT17 (α,3n) >>



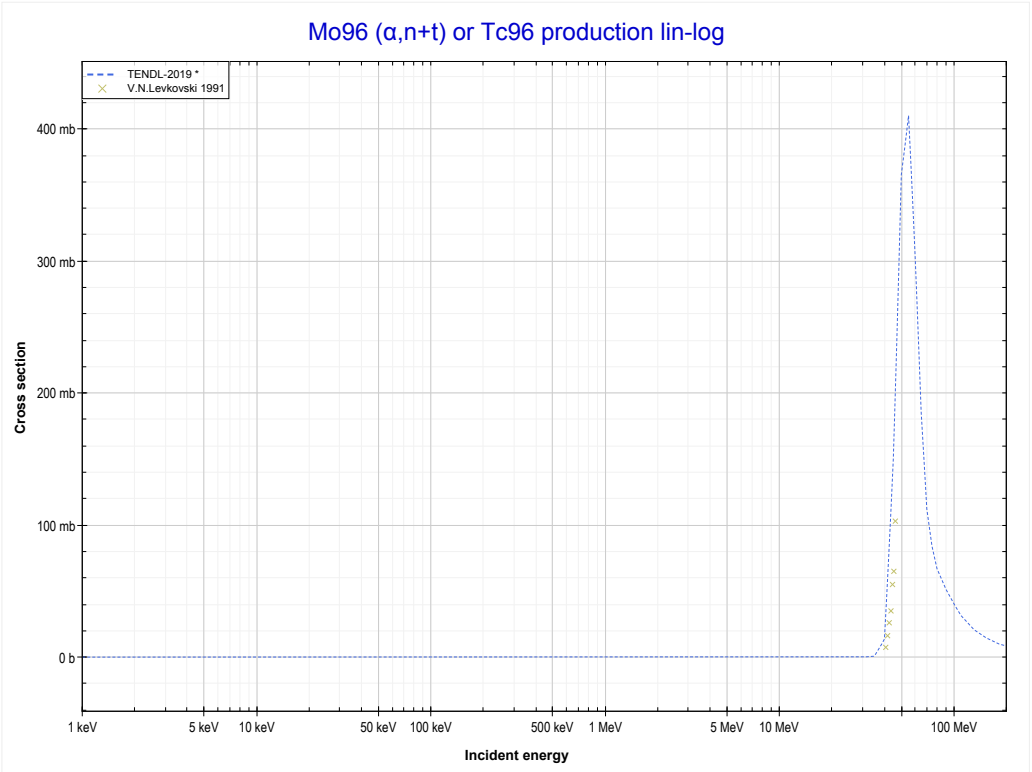
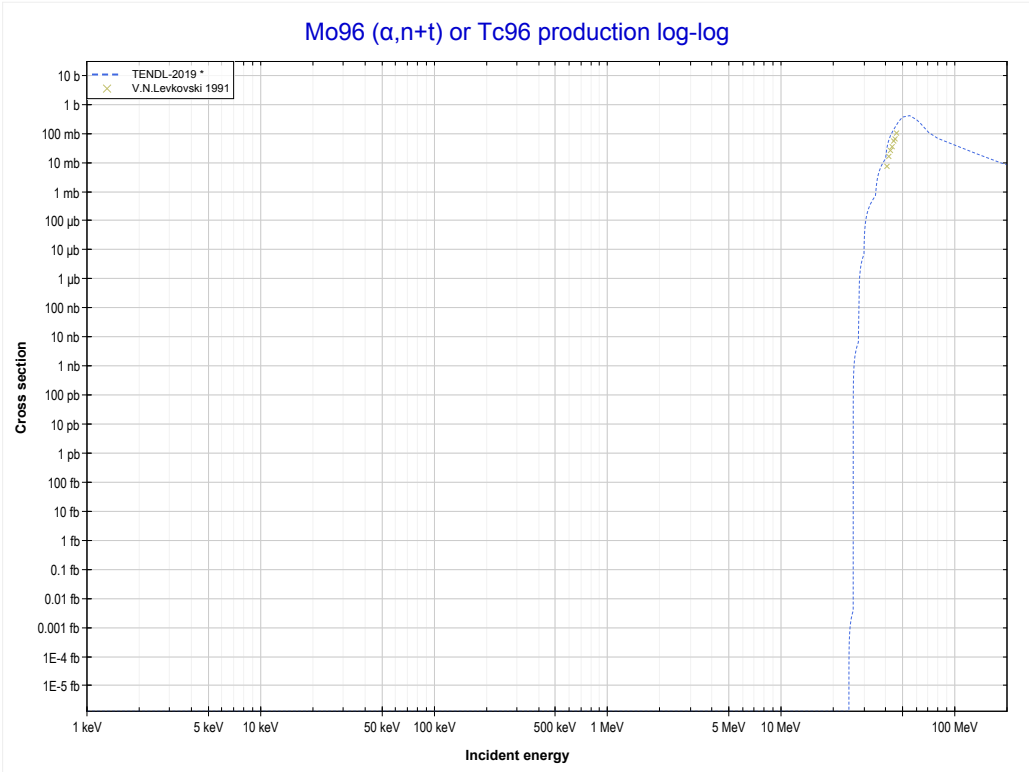
Reaction	Q-Value
Mo96(α,n+t)Tc96	-23569.09 keV
Mo96(α,2n+d)Tc96	-29826.32 keV
Mo96(α,3n+p)Tc96	-32050.89 keV

<< 42-Mo-94	42-Mo-96	45-Rh-103 >>
<< MT11 ($\alpha,2n+d$)	MT17 ($\alpha,3n$) or MT5 (Ru97 production)	MT33 ($\alpha,n+t$) >>



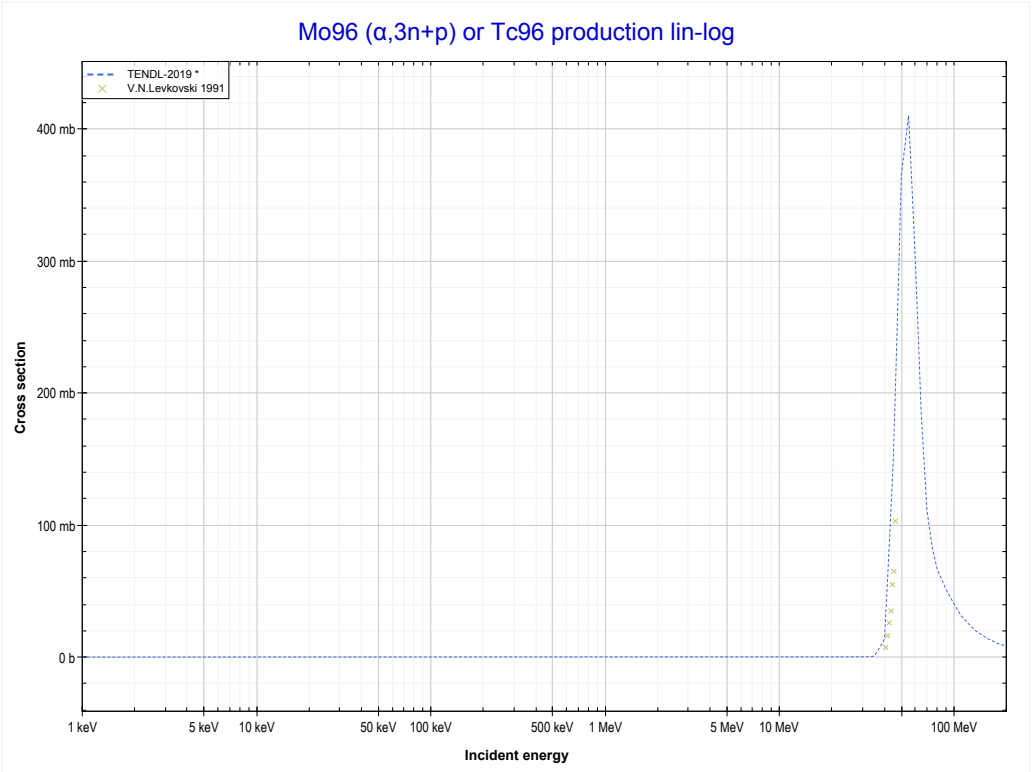
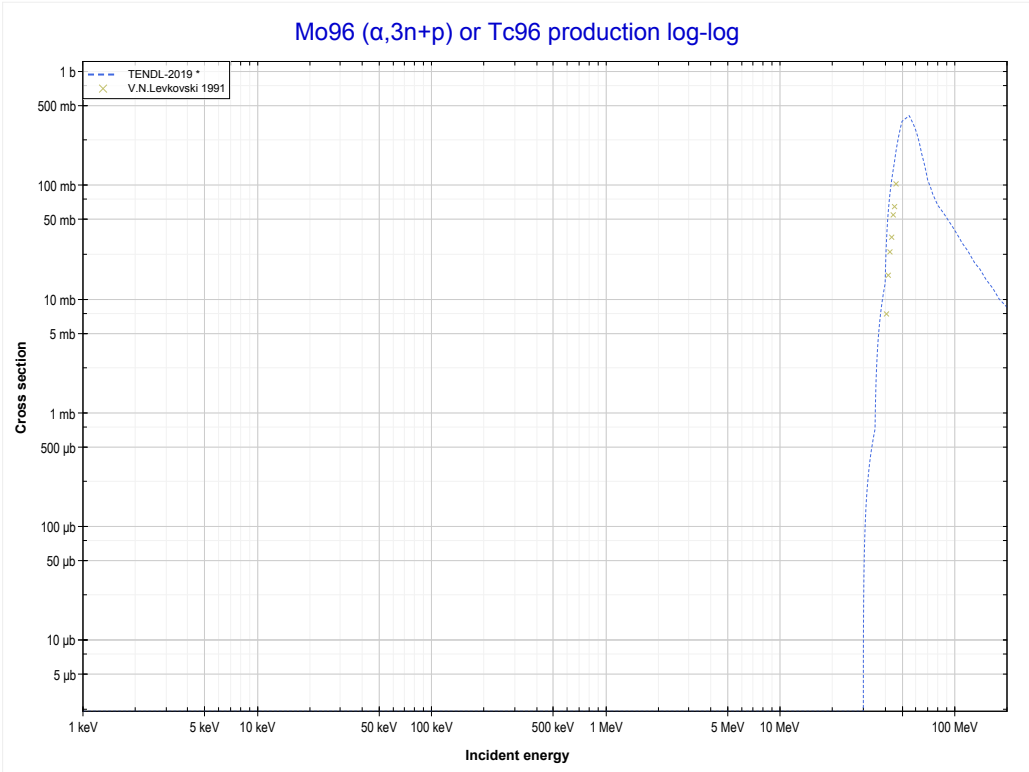
Reaction	Q-Value
Mo96($\alpha,3n$)Ru97	-24463.32 keV

<< 42-Mo-95	42-Mo-96	51-Sb-121 >>
<< MT17 (α,3n)	MT33 (α,n+t) or MT5 (Tc96 production)	MT42 (α,3n+p) >>



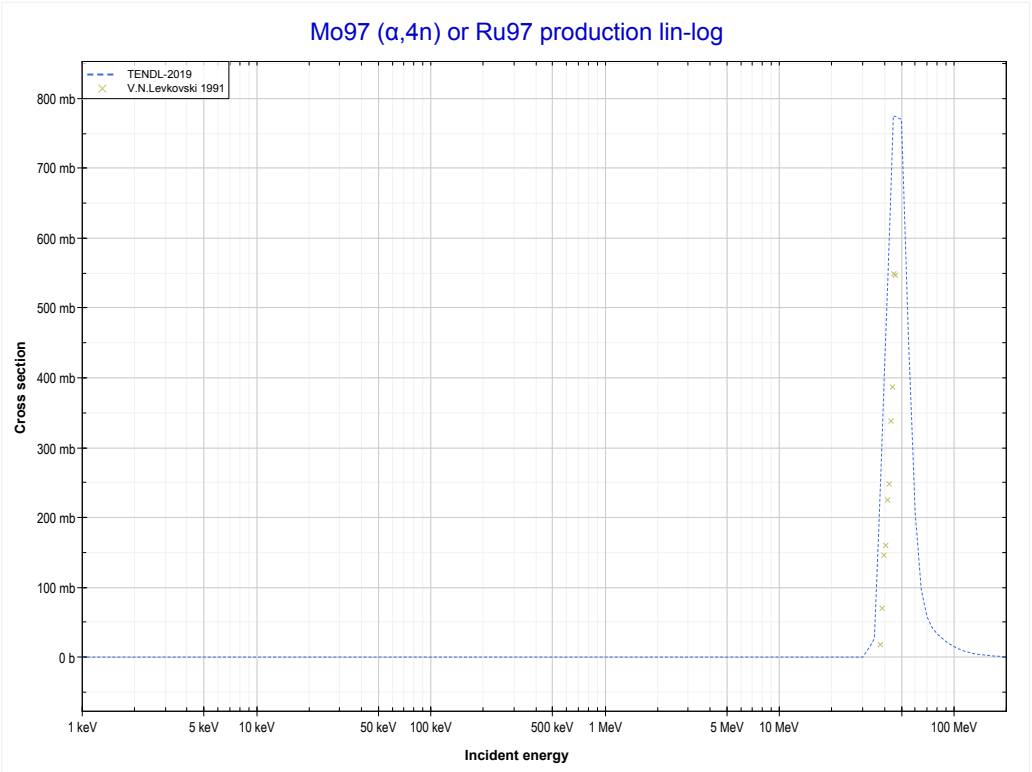
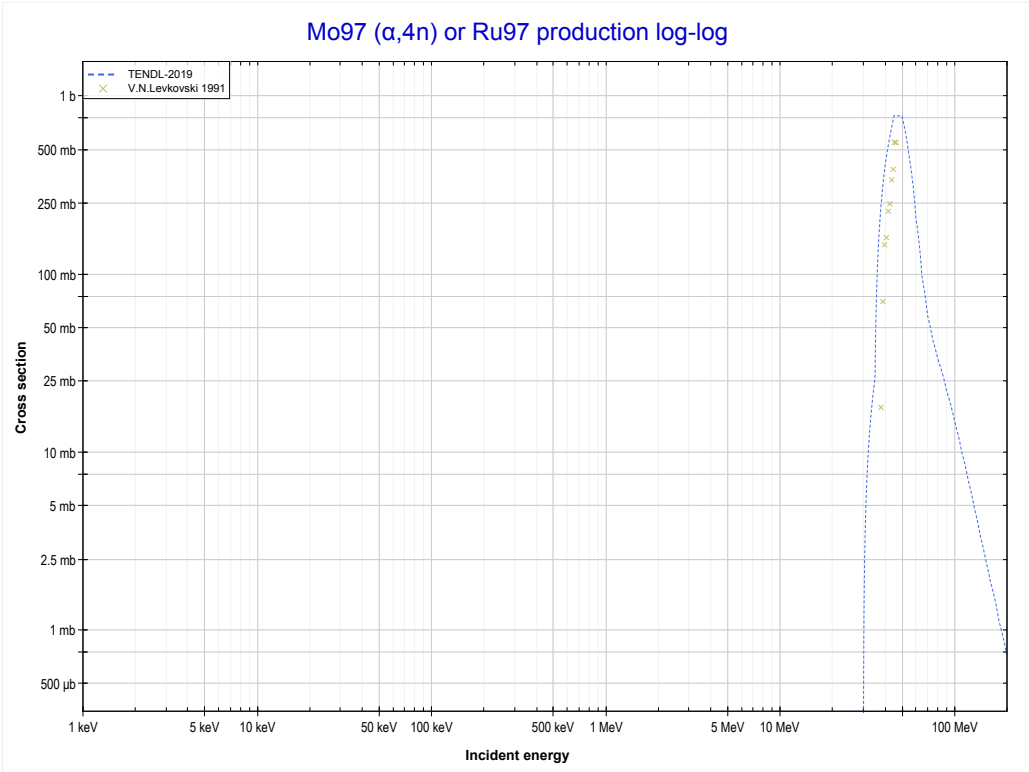
Reaction	Q-Value
Mo96(α,n+t)Tc96	-23569.09 keV
Mo96(α,2n+d)Tc96	-29826.32 keV
Mo96(α,3n+p)Tc96	-32050.89 keV

<< 42-Mo-95	42-Mo-96	48-Cd-114 >>
<< MT33 (α ,n+t)	MT42 (α ,3n+p) or MT5 (Tc96 production)	42-Mo-97 MT37 (α ,4n) >>



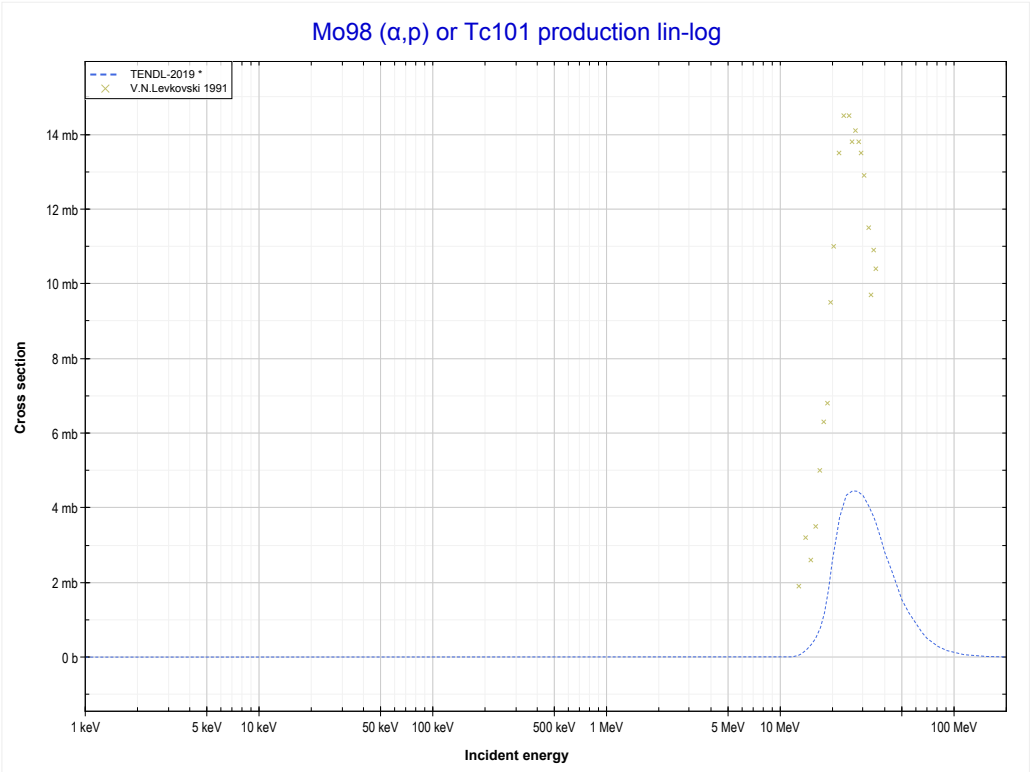
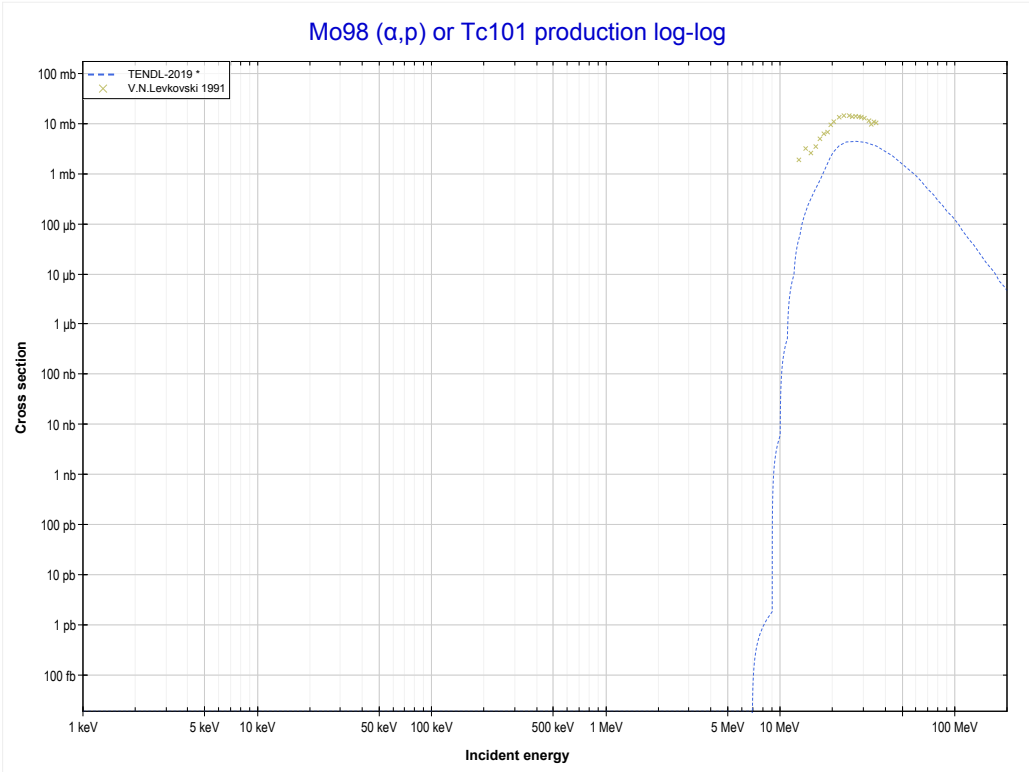
Reaction	Q-Value
Mo96(α ,n+t)Tc96	-23569.09 keV
Mo96(α ,2n+d)Tc96	-29826.32 keV
Mo96(α ,3n+p)Tc96	-32050.89 keV

<< 42-Mo-95	42-Mo-97	45-Rh-103 >>
<< 42-Mo-96 MT42 (α ,3n+p)	MT37 (α ,4n) or MT5 (Ru97 production)	42-Mo-98 MT103 (α ,p) >>



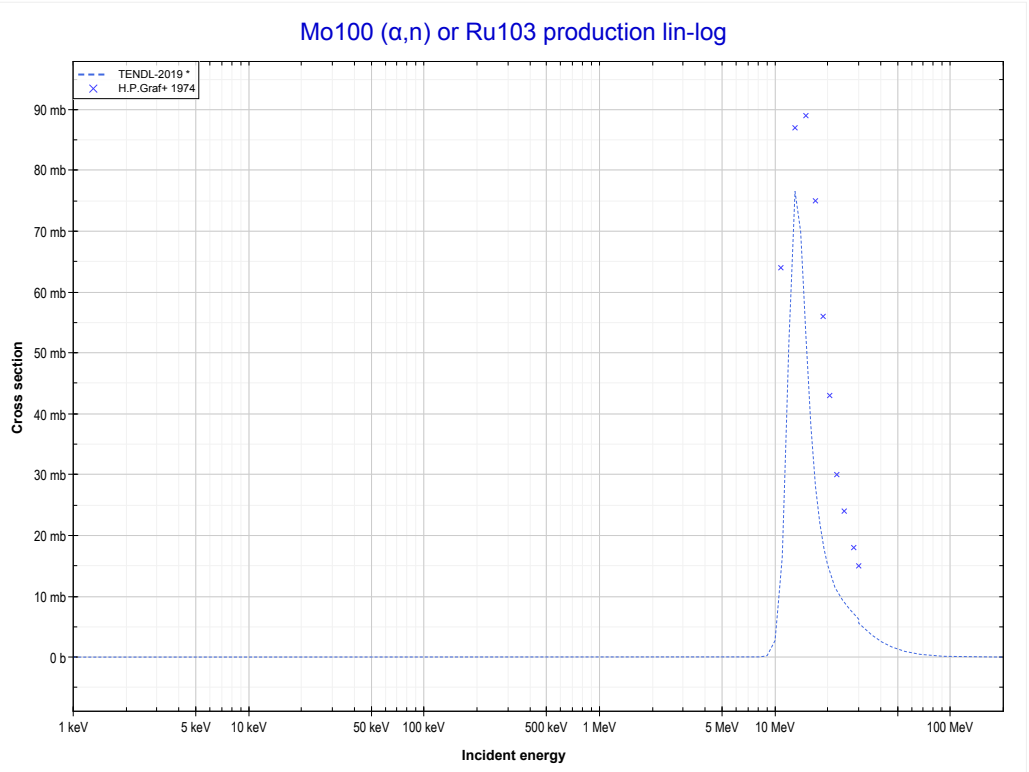
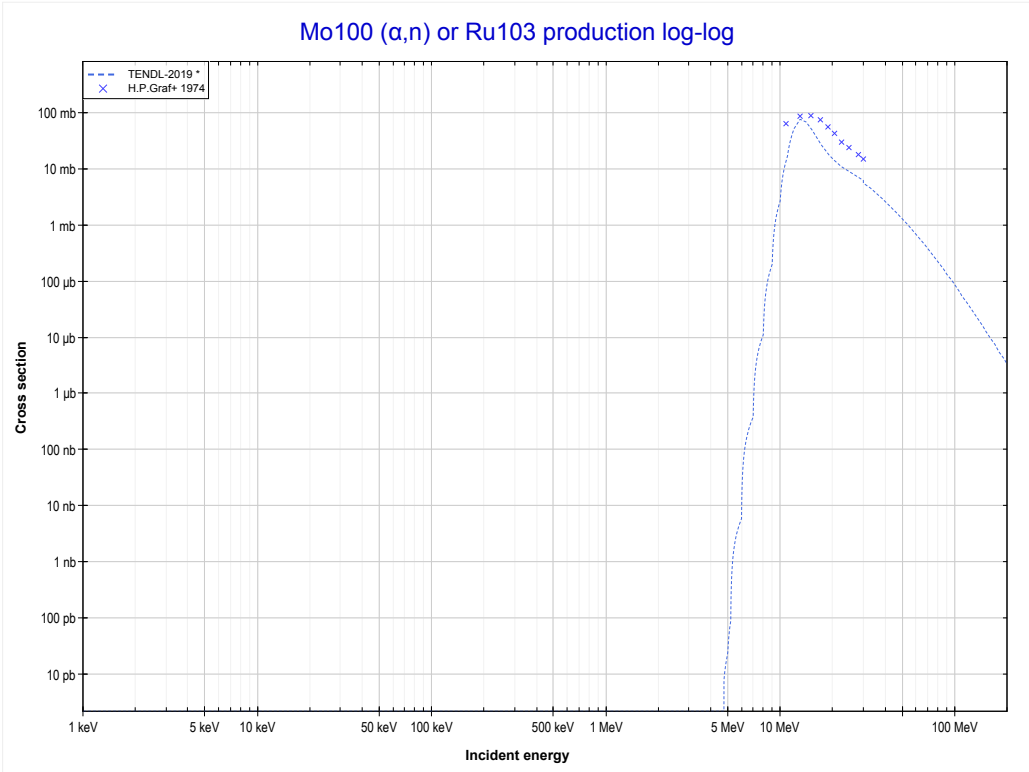
Reaction	Q-Value
Mo97(α ,4n)Ru97	-31284.44 keV

<< 42-Mo-92	42-Mo-98	42-Mo-100 >>
<< 42-Mo-97 MT37 ($\alpha,4n$)	MT103 (α,p) or MT5 (Tc101 production)	42-Mo-100 MT4 (α,n) >>



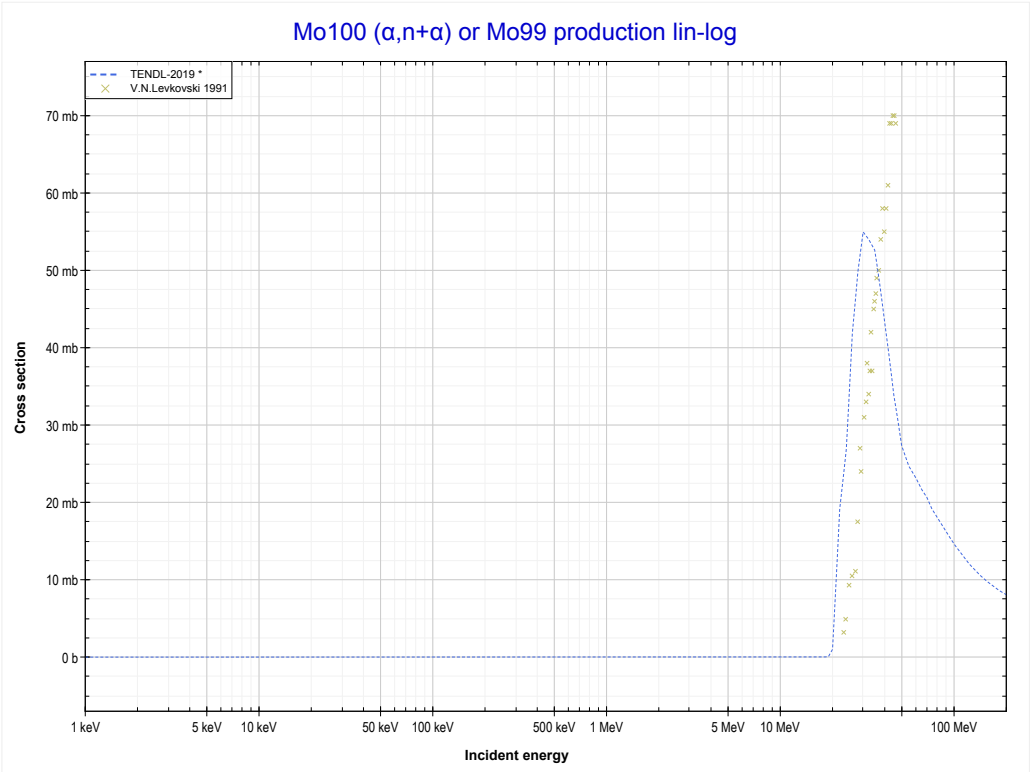
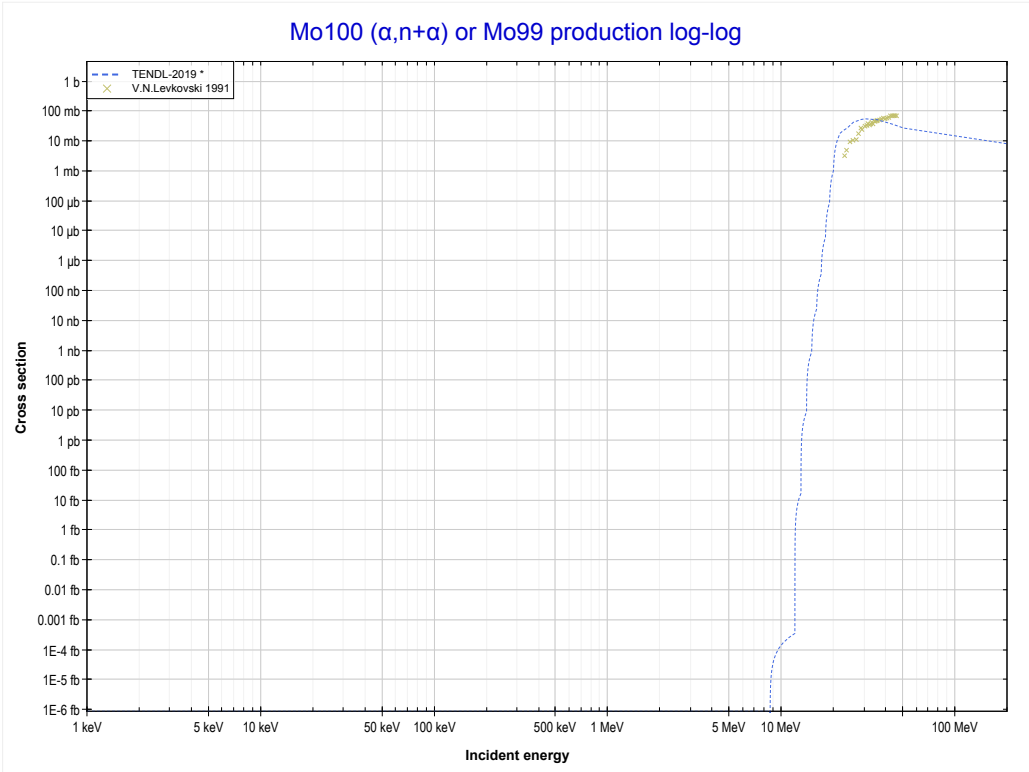
Reaction	Q-Value
Mo98(α,p)Tc101	-6635.02 keV

<< 42-Mo-94	42-Mo-100	44-Ru-100 >>
<< 42-Mo-98 MT103 (α,p)	MT4 (α,n) or MT5 (Ru103 production)	MT22 (α,n+α) >>



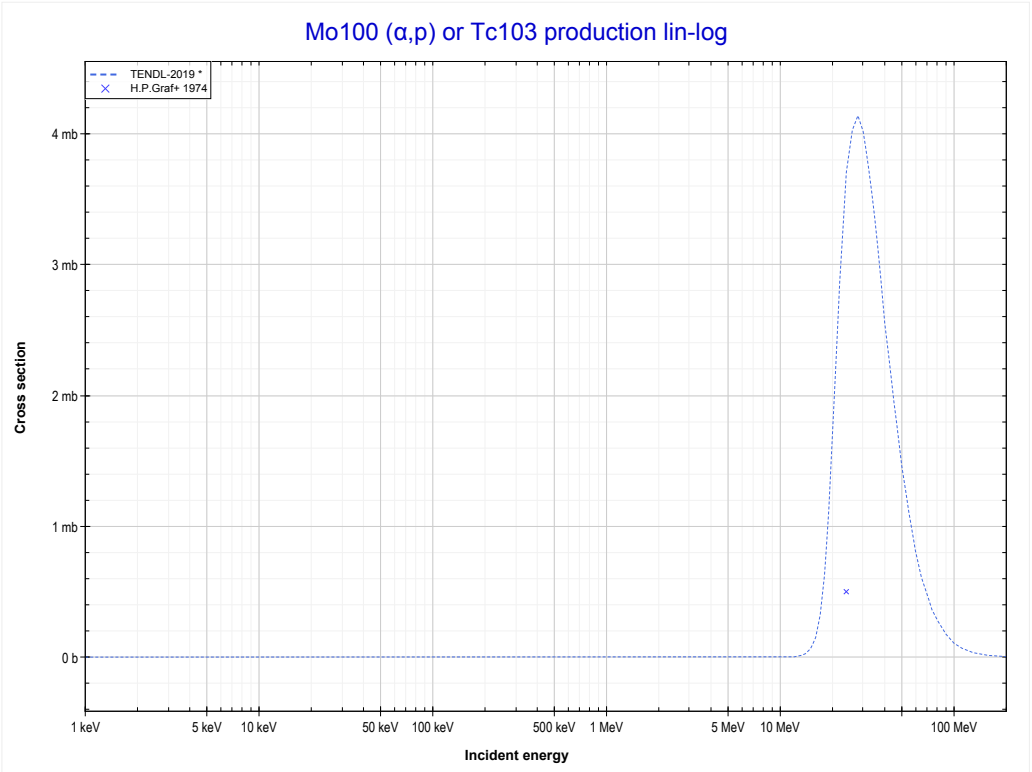
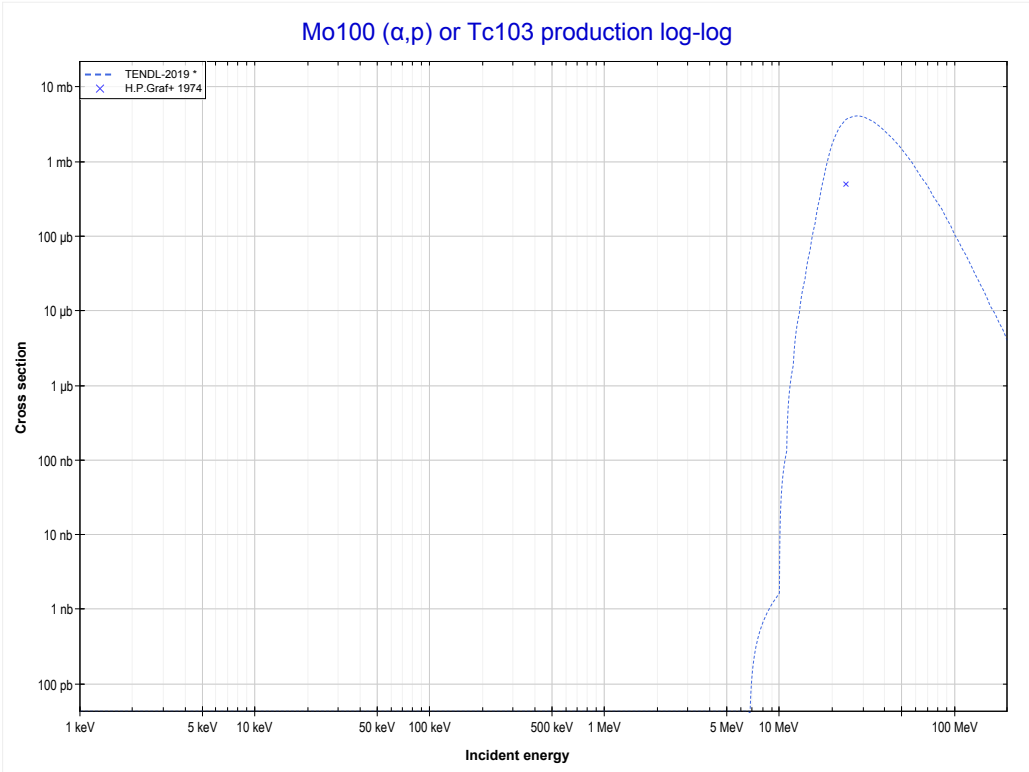
Reaction	Q-Value
Mo100(α,n)Ru103	-4572.20 keV

<< 41-Nb-93	42-Mo-100	45-Rh-103 >>
<< MT4 (α,n)	MT22 (α,n+α) or MT5 (Mo99 production)	MT103 (α,p) >>



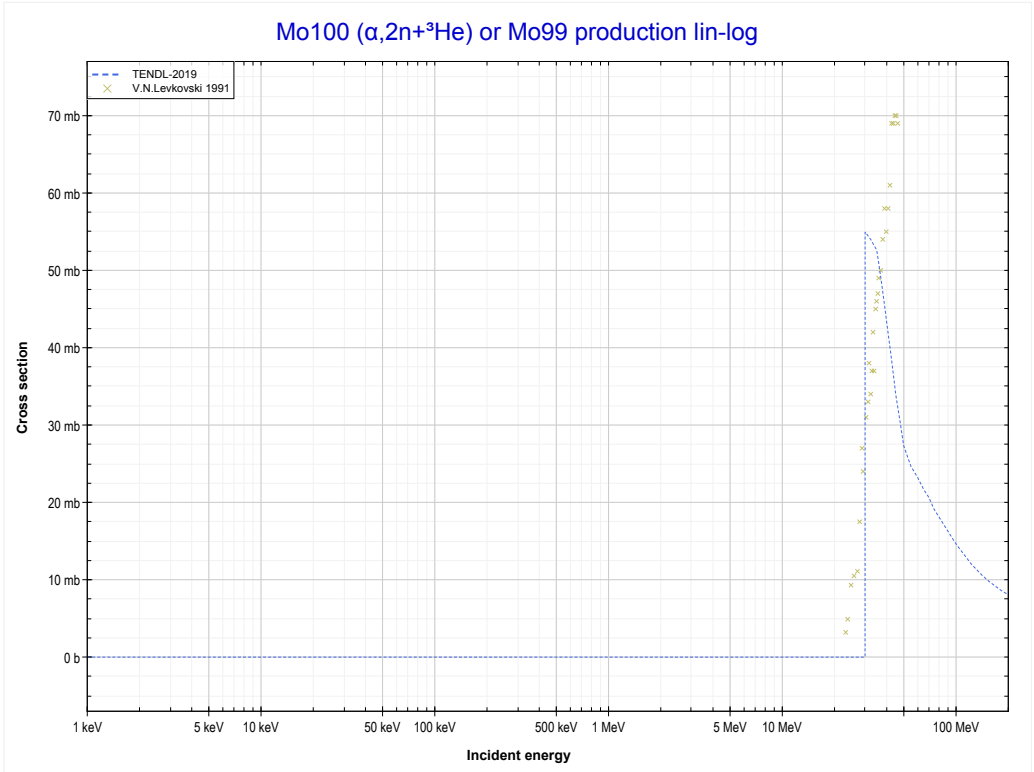
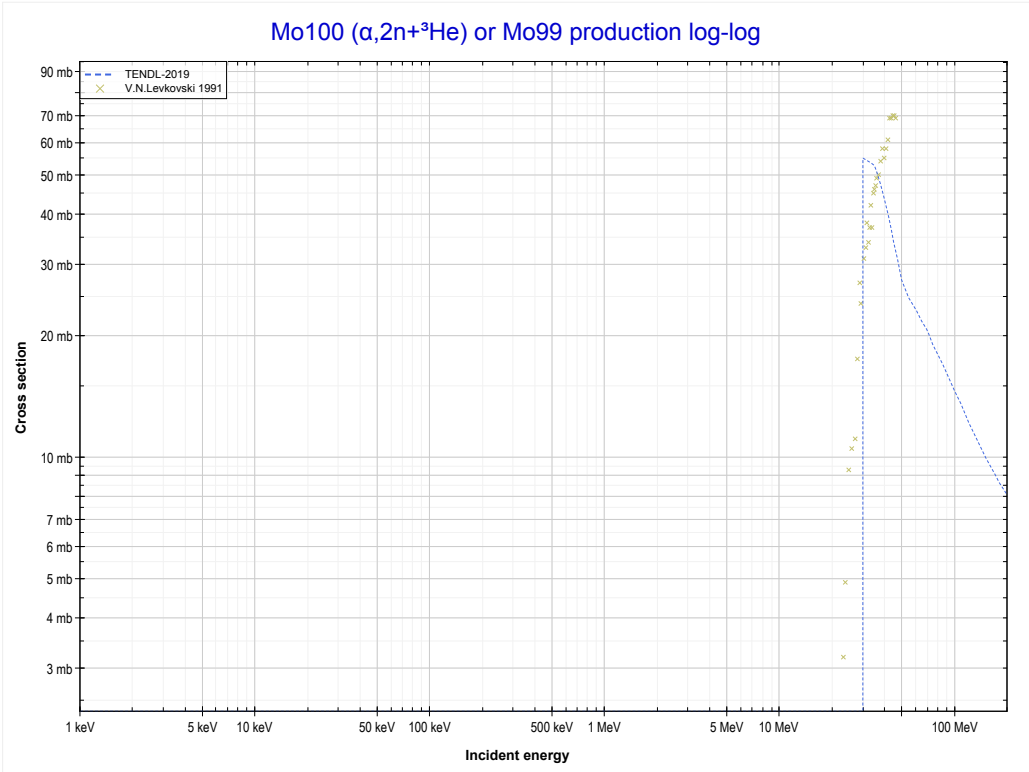
Reaction	Q-Value
Mo100(α,n+α)Mo99	-8294.22 keV
Mo100(α,d+t)Mo99	-25883.52 keV
Mo100(α,n+p+t)Mo99	-28108.08 keV
Mo100(α,2n+He3)Mo99	-28871.84 keV
Mo100(α,n+2d)Mo99	-32140.74 keV
Mo100(α,2n+p+d)Mo99	-34365.31 keV
Mo100(α,3n+2p)Mo99	-36589.88 keV

<< 42-Mo-98	42-Mo-100	48-Cd-106 >>
<< MT22 ($\alpha,n+\alpha$)	MT103 (α,p) or MT5 (Tc103 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



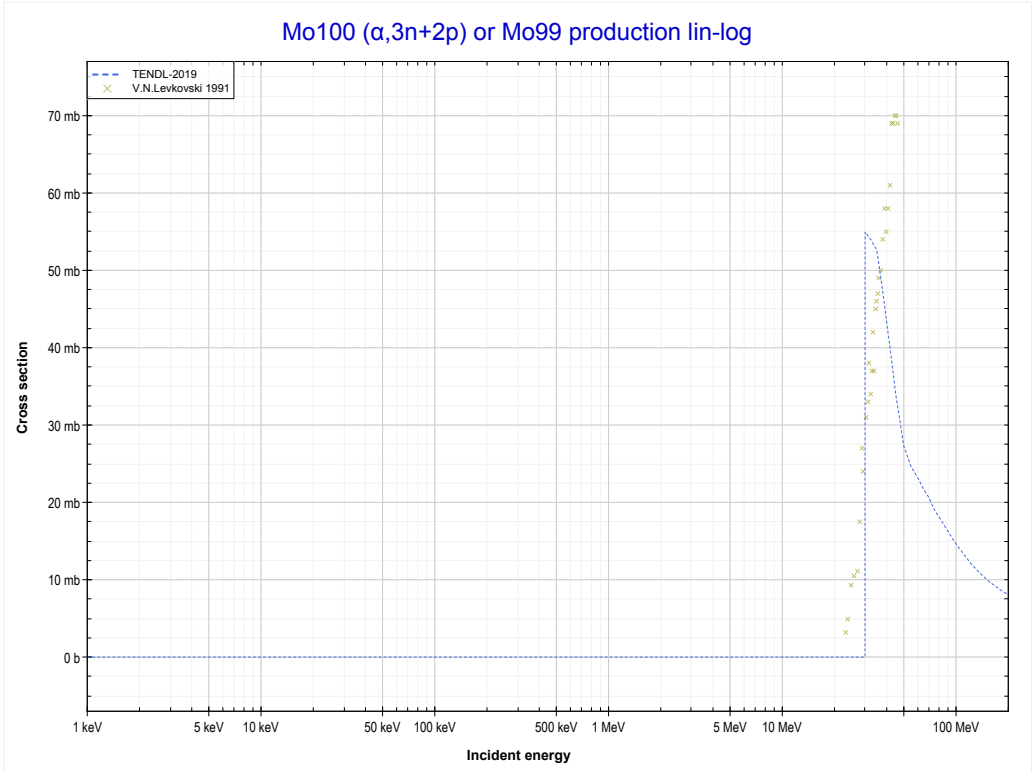
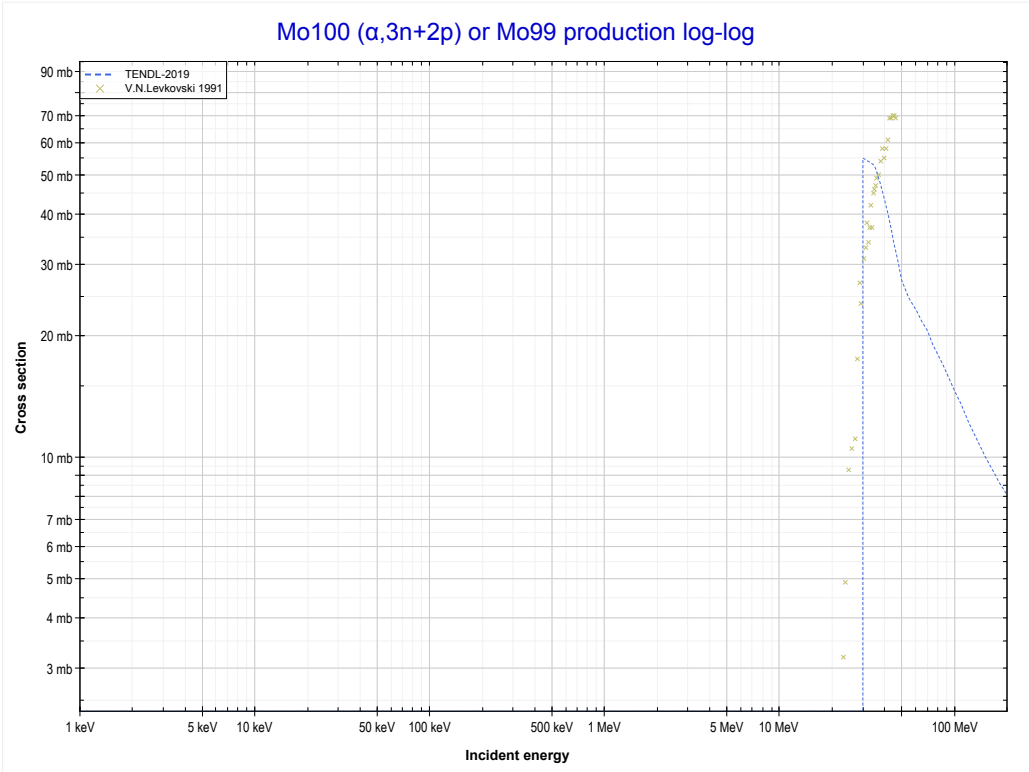
Reaction	Q-Value
Mo100(α,p)Tc103	-6453.05 keV

<< 41-Nb-93	42-Mo-100	45-Rh-103 >>
<< MT103 (α,p)	MT176 (α,2n+ ³ He) or MT5 (Mo99 production)	MT179 (α,3n+2p) >>



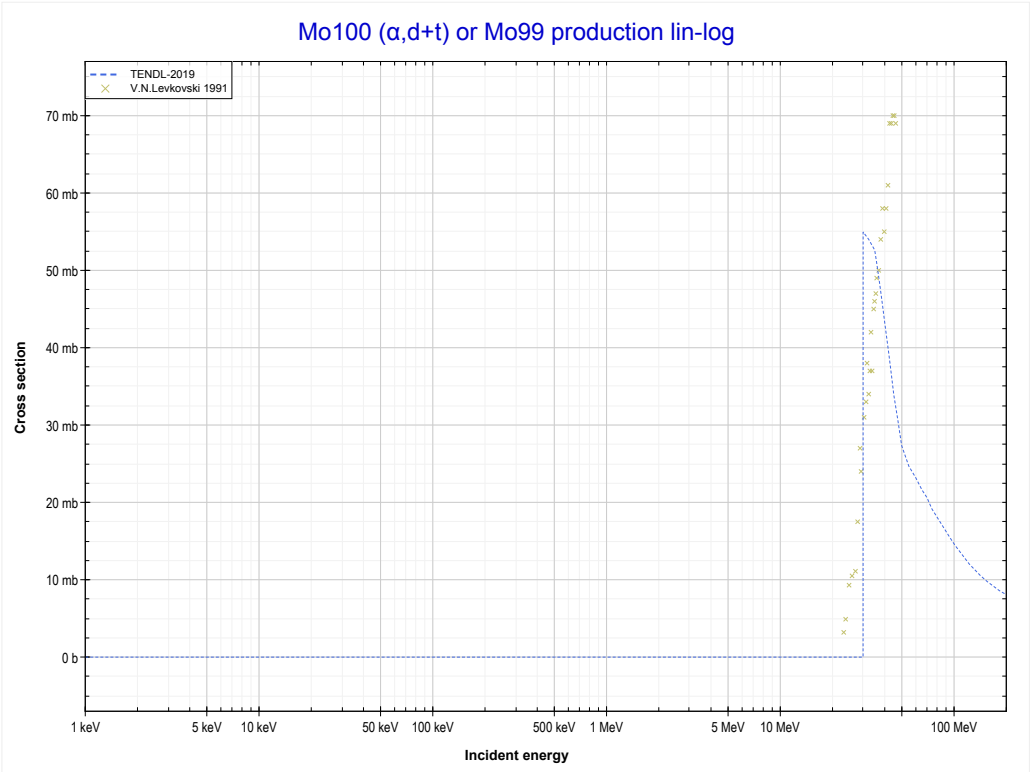
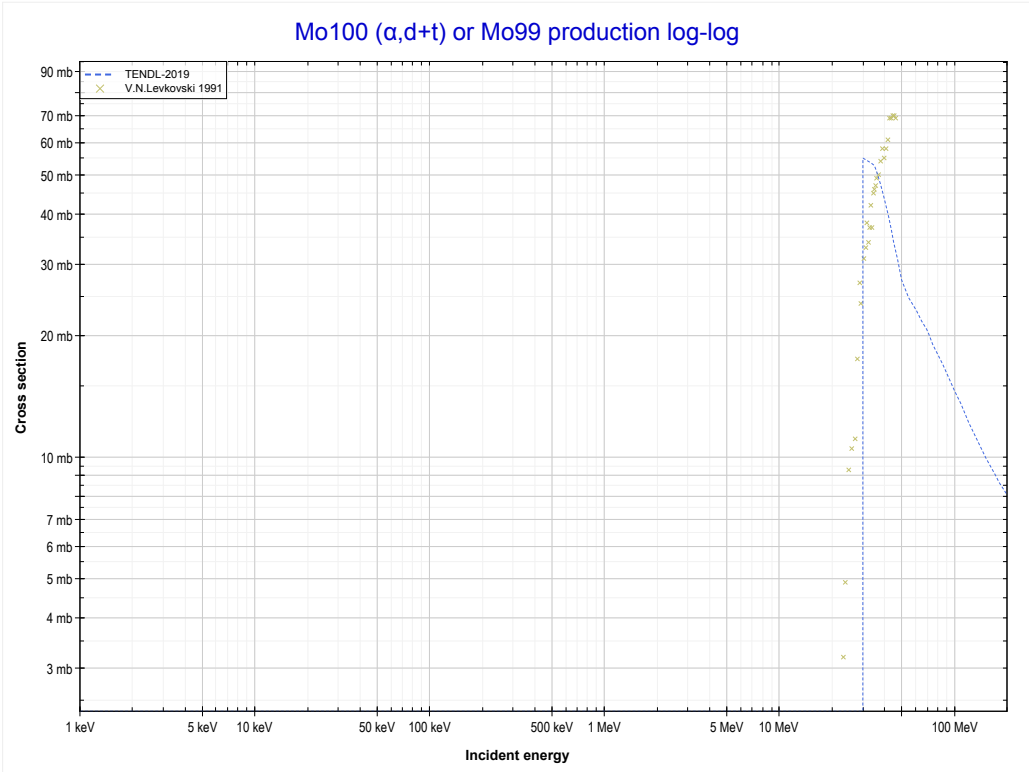
Reaction	Q-Value
Mo100(α,n+α)Mo99	-8294.22 keV
Mo100(α,d+t)Mo99	-25883.52 keV
Mo100(α,n+p+t)Mo99	-28108.08 keV
Mo100(α,2n+He3)Mo99	-28871.84 keV
Mo100(α,n+2d)Mo99	-32140.74 keV
Mo100(α,2n+p+d)Mo99	-34365.31 keV
Mo100(α,3n+2p)Mo99	-36589.88 keV

<< 41-Nb-93	42-Mo-100	45-Rh-103 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Mo99 production)	MT182 ($\alpha,d+t$) >>



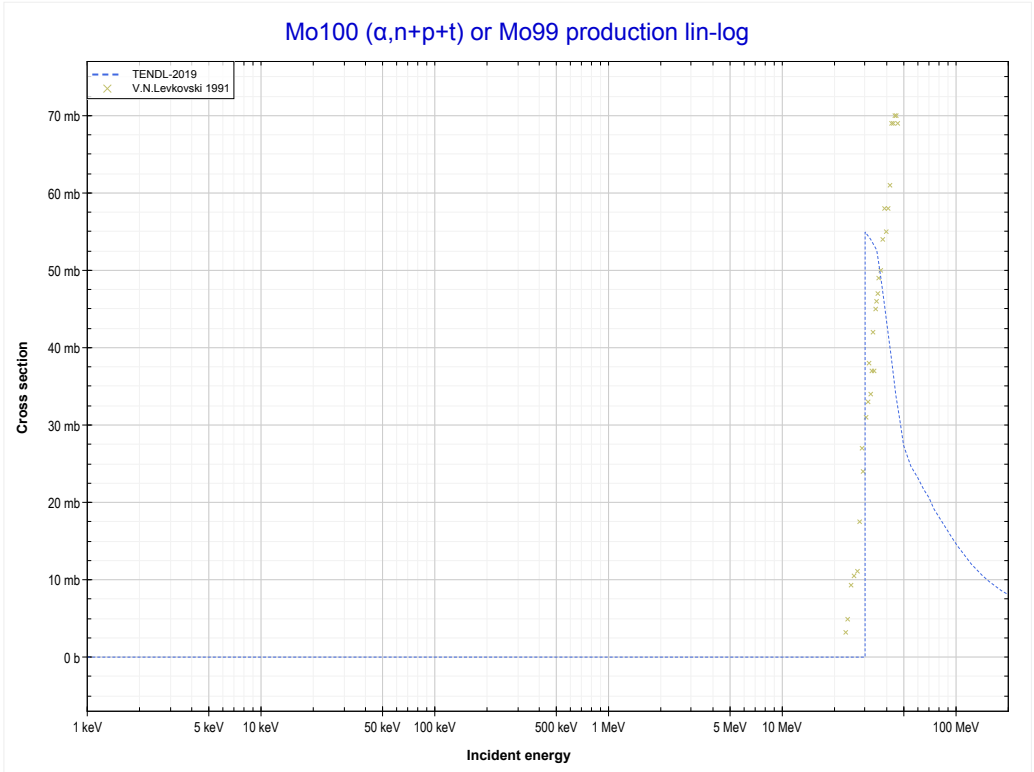
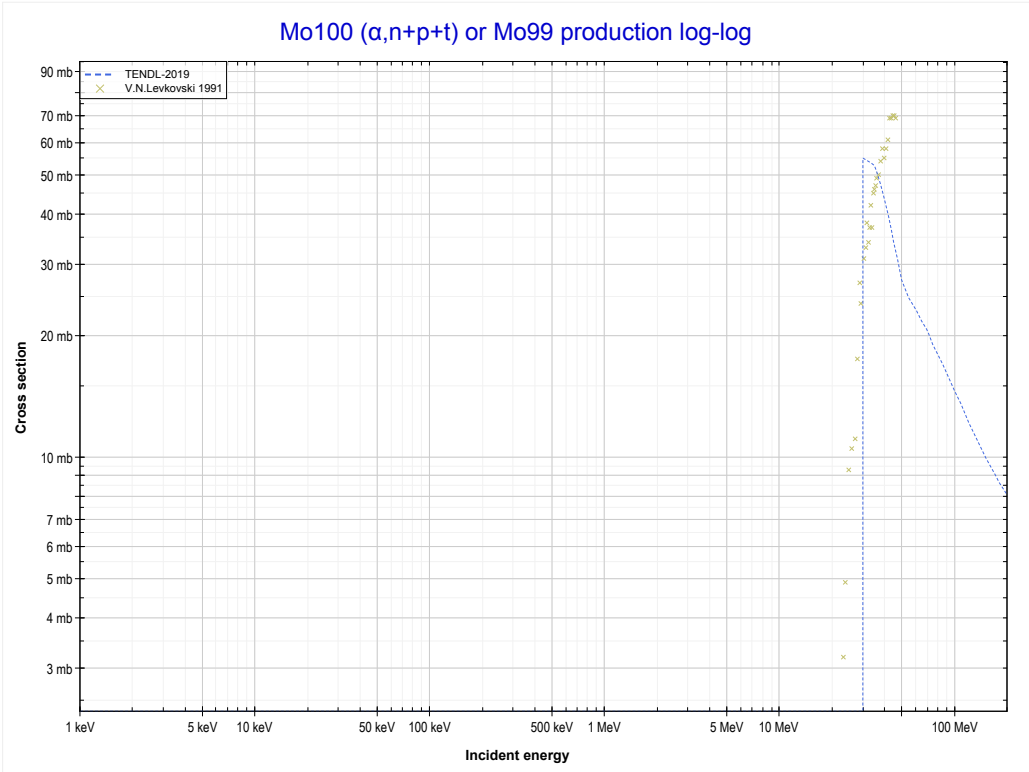
Reaction	Q-Value
Mo100($\alpha,n+\alpha$)Mo99	-8294.22 keV
Mo100($\alpha,d+t$)Mo99	-25883.52 keV
Mo100($\alpha,n+p+t$)Mo99	-28108.08 keV
Mo100($\alpha,2n+\text{He3}$)Mo99	-28871.84 keV
Mo100($\alpha,n+2d$)Mo99	-32140.74 keV
Mo100($\alpha,2n+p+d$)Mo99	-34365.31 keV
Mo100($\alpha,3n+2p$)Mo99	-36589.88 keV

<< 41-Nb-93	42-Mo-100	45-Rh-103 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Mo99 production)	MT184 ($\alpha,n+p+t$) >>



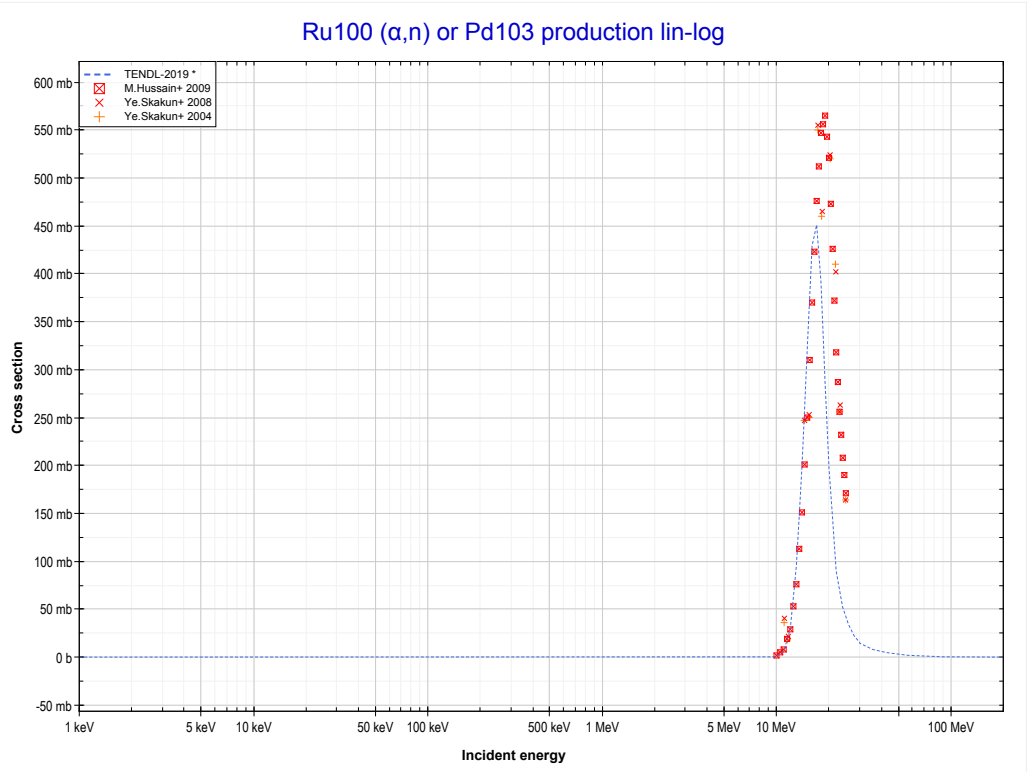
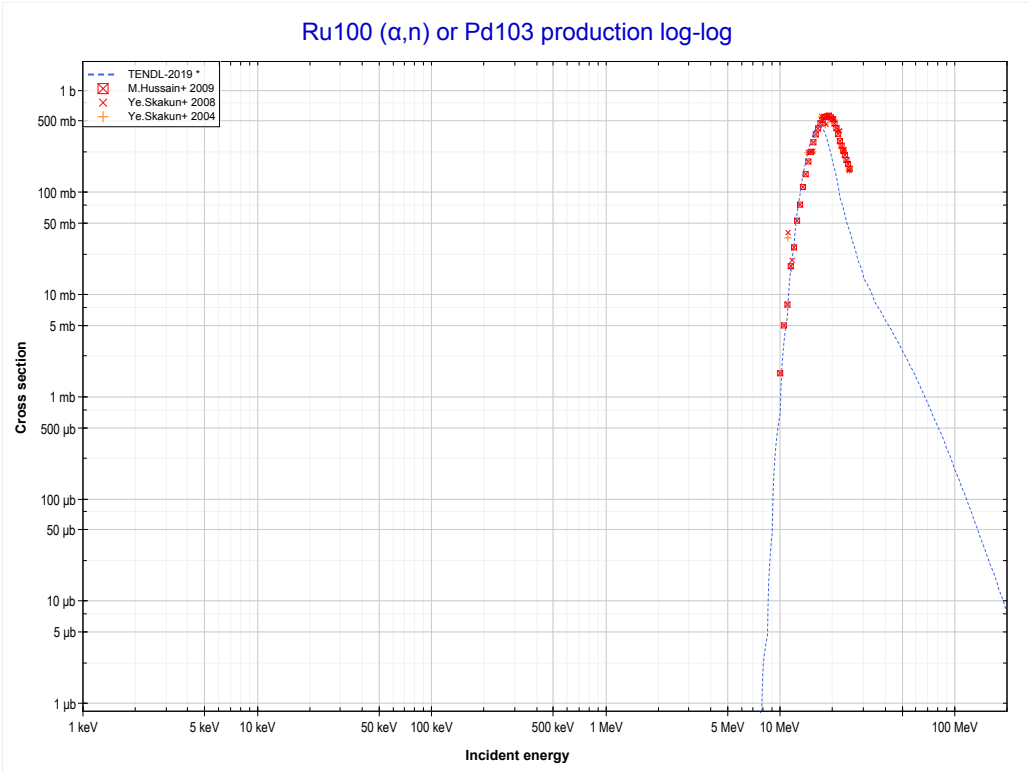
Reaction	Q-Value
Mo100($\alpha,n+\alpha$)Mo99	-8294.22 keV
Mo100($\alpha,d+t$)Mo99	-25883.52 keV
Mo100($\alpha,n+p+t$)Mo99	-28108.08 keV
Mo100($\alpha,2n+He3$)Mo99	-28871.84 keV
Mo100($\alpha,n+2d$)Mo99	-32140.74 keV
Mo100($\alpha,2n+p+d$)Mo99	-34365.31 keV
Mo100($\alpha,3n+2p$)Mo99	-36589.88 keV

<< 41-Nb-93	42-Mo-100	45-Rh-103 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Mo99 production)	44-Ru-100 MT4 (α,n) >>



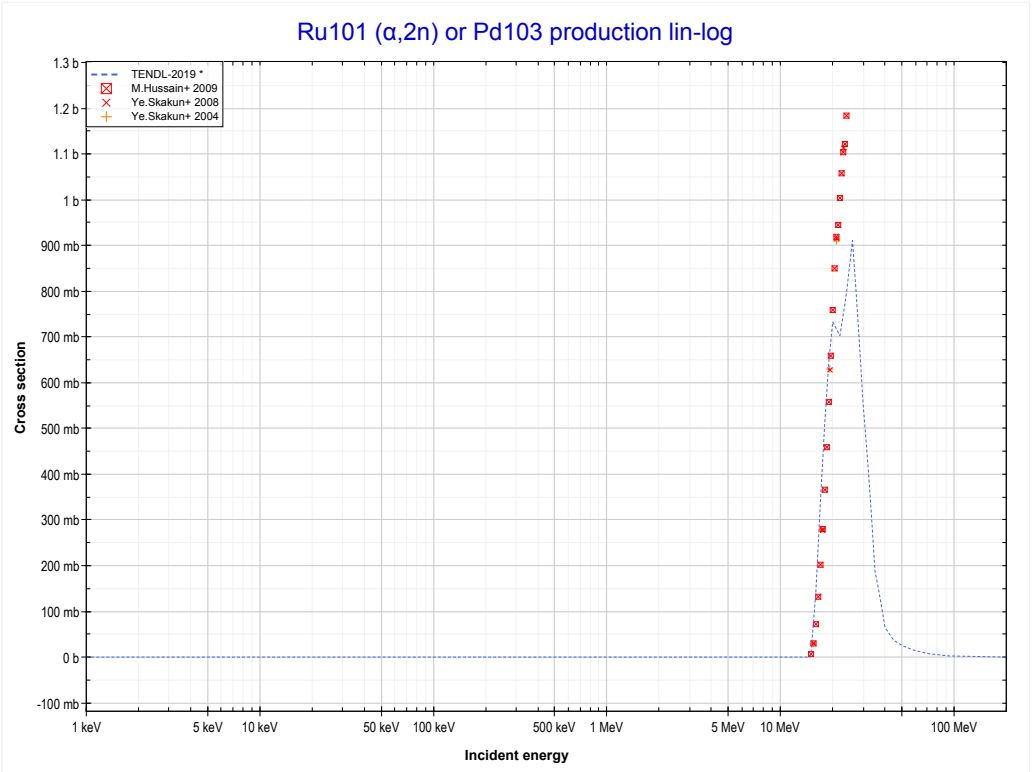
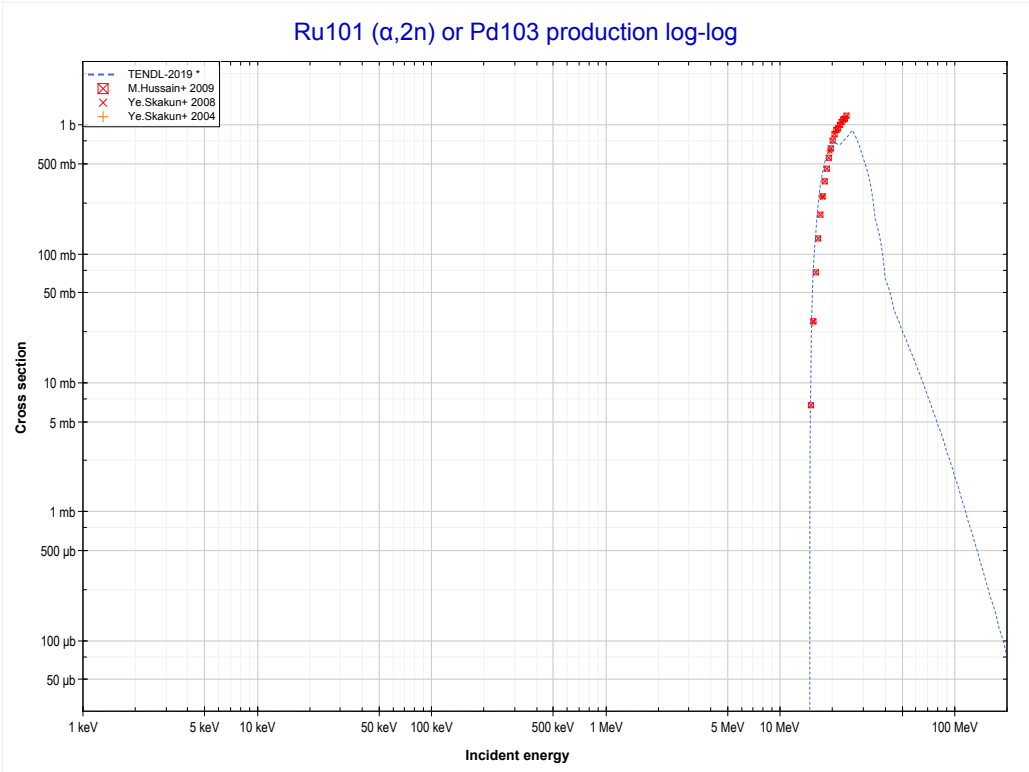
Reaction	Q-Value
Mo100(α,n+α)Mo99	-8294.22 keV
Mo100(α,d+t)Mo99	-25883.52 keV
Mo100(α,n+p+t)Mo99	-28108.08 keV
Mo100(α,2n+He3)Mo99	-28871.84 keV
Mo100(α,n+2d)Mo99	-32140.74 keV
Mo100(α,2n+p+d)Mo99	-34365.31 keV
Mo100(α,3n+2p)Mo99	-36589.88 keV

<< 42-Mo-100	44-Ru-100	45-Rh-103 >>
<< 42-Mo-100 MT184 (α ,n+p+t)	MT4 (α ,n) or MT5 (Pd103 production)	44-Ru-101 MT16 (α ,2n) >>



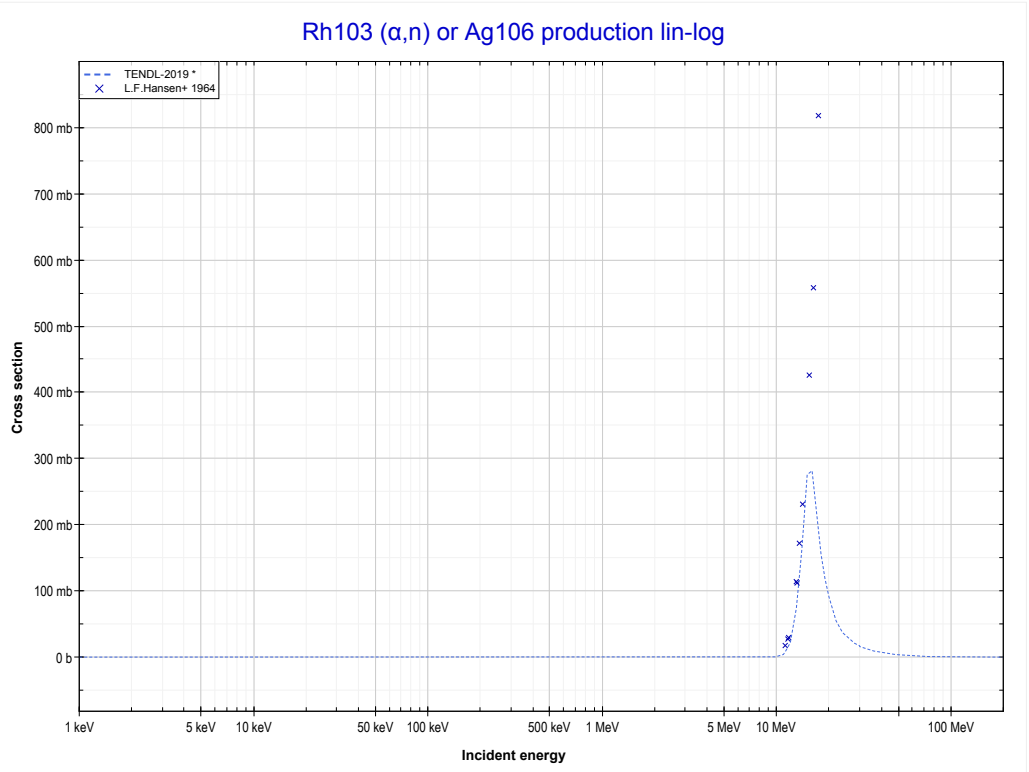
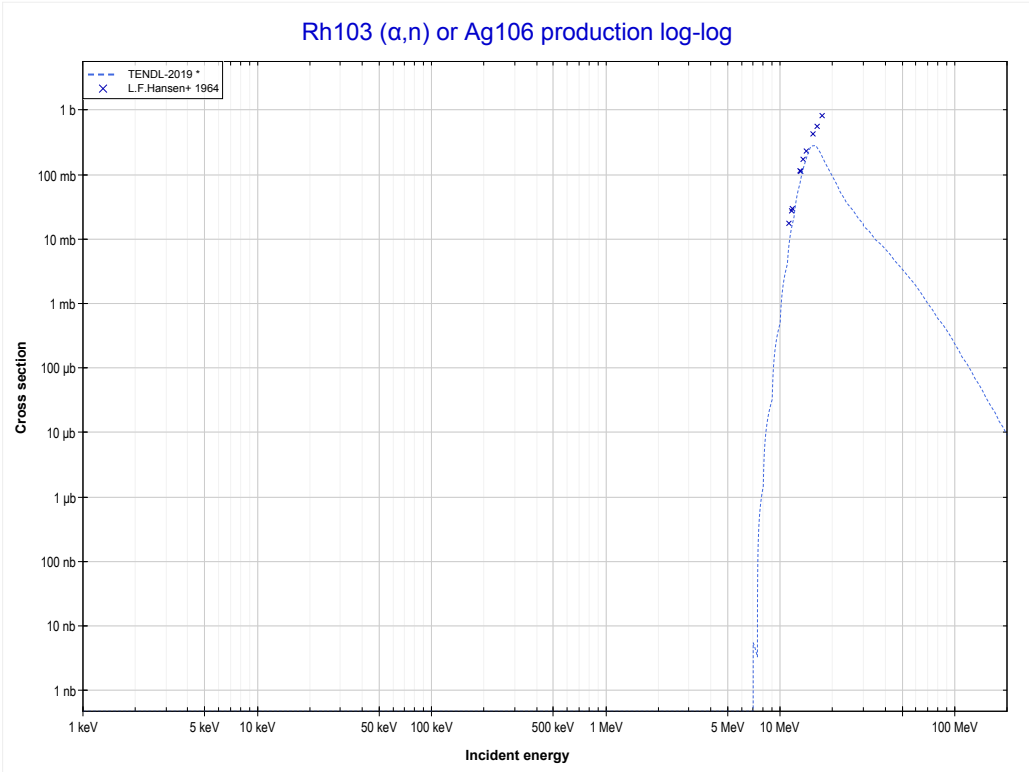
Reaction	Q-Value
Ru100(α ,n)Pd103	-7416.60 keV

<< 42-Mo-95	44-Ru-101	45-Rh-103 >>
<< 44-Ru-100 MT4 (α,n)	MT16 (α,2n) or MT5 (Pd103 production)	45-Rh-103 MT4 (α,n) >>



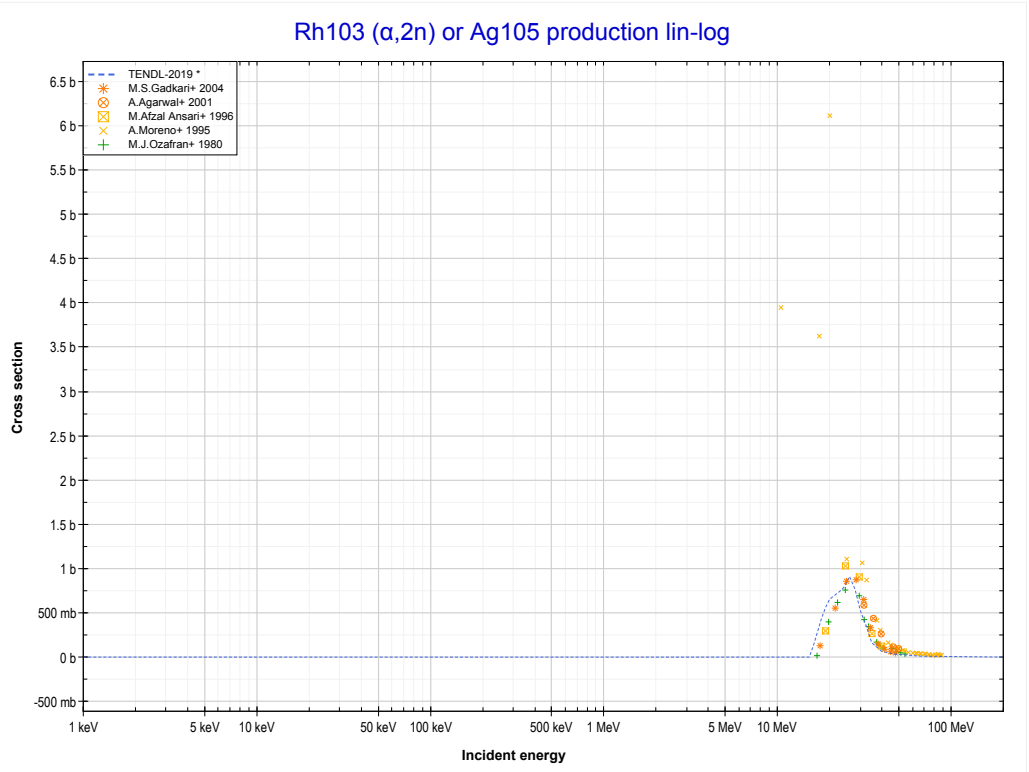
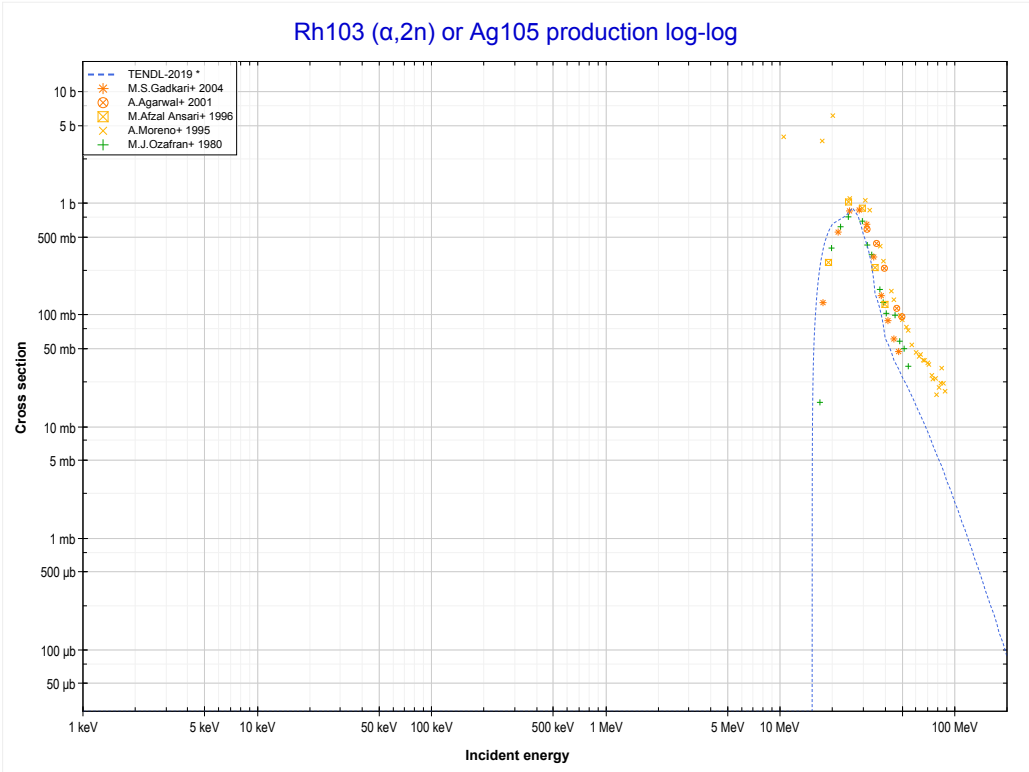
Reaction	Q-Value
Ru101(α,2n)Pd103	-14218.62 keV

<< 44-Ru-100	45-Rh-103	47-Ag-107 >>
<< 44-Ru-101 MT16 (α,2n)	MT4 (α,n) or MT5 (Ag106 production)	MT16 (α,2n) >>



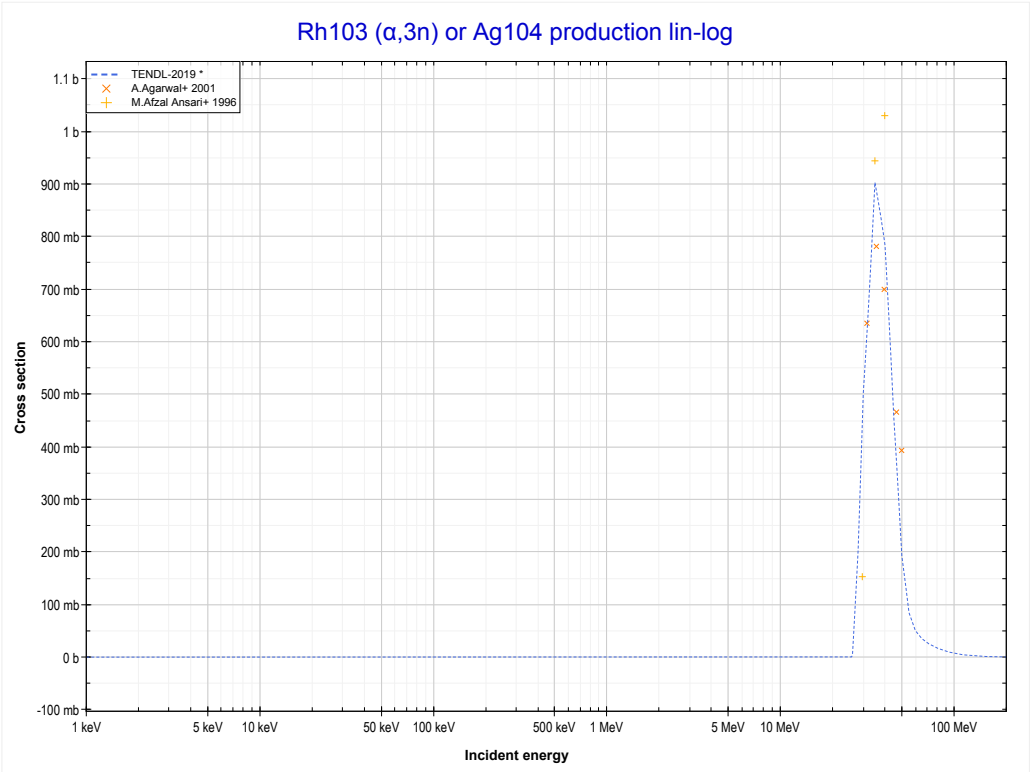
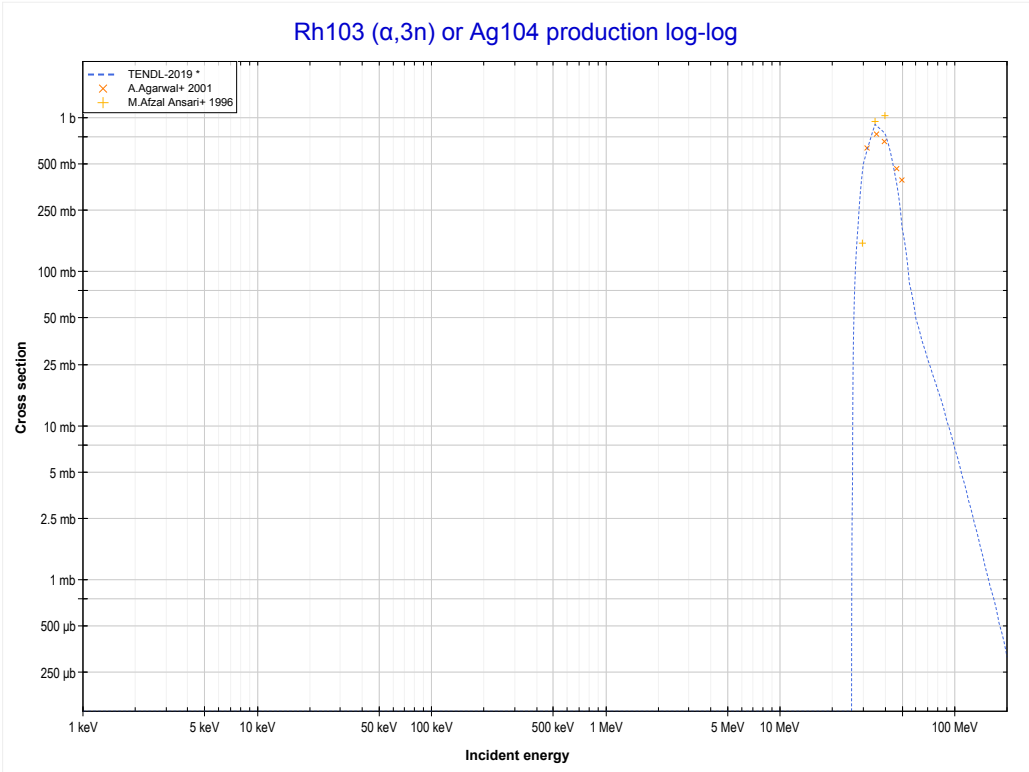
Reaction	Q-Value
Rh103(α,n)Ag106	-6736.10 keV

<< 44-Ru-101	45-Rh-103	47-Ag-107 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Ag105 production)	MT17 (α,3n) >>



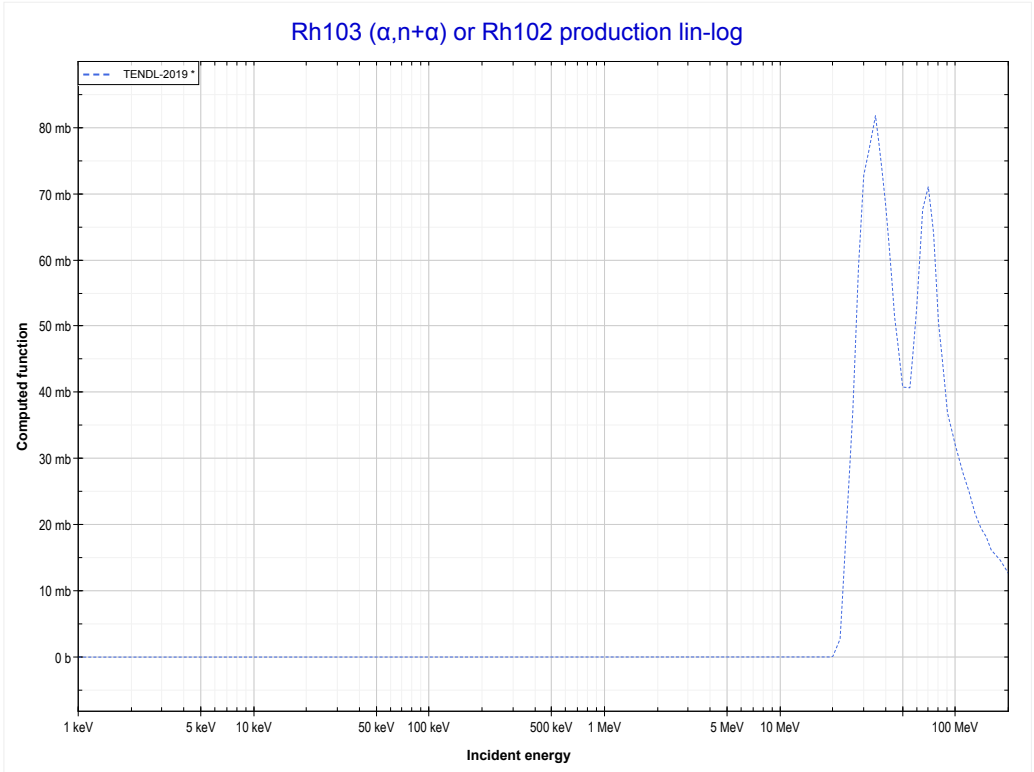
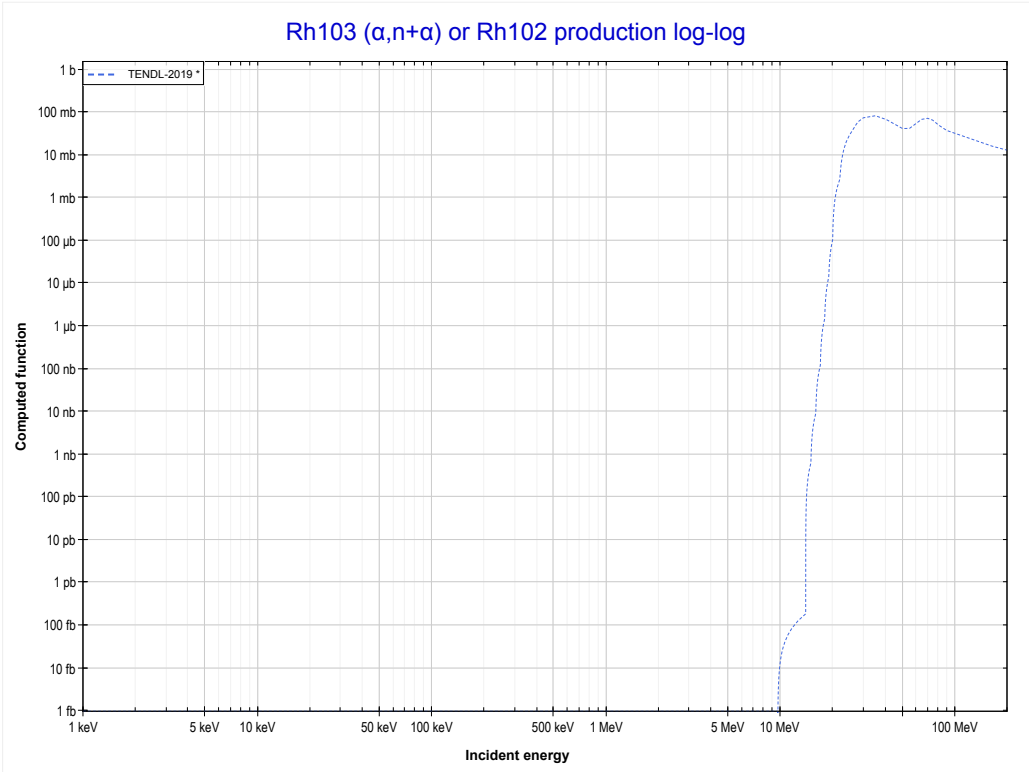
Reaction	Q-Value
Rh103(α,2n)Ag105	-14678.42 keV

<< 42-Mo-96	45-Rh-103	47-Ag-107 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Ag104 production)	MT22 ($\alpha,n+\alpha$) >>



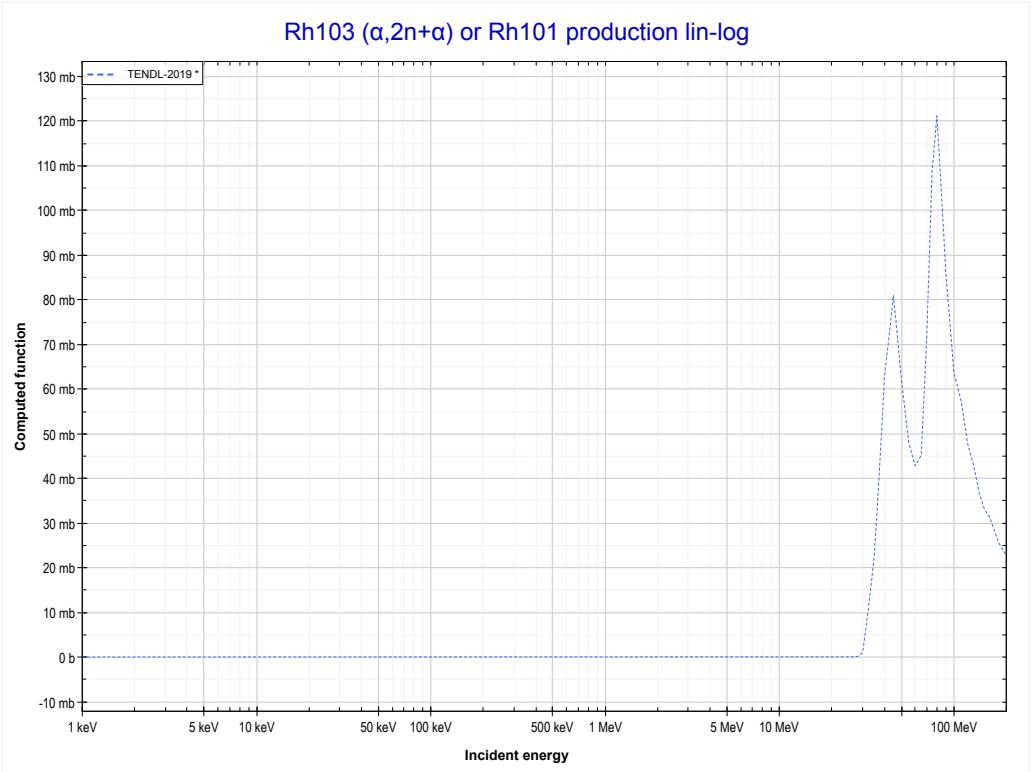
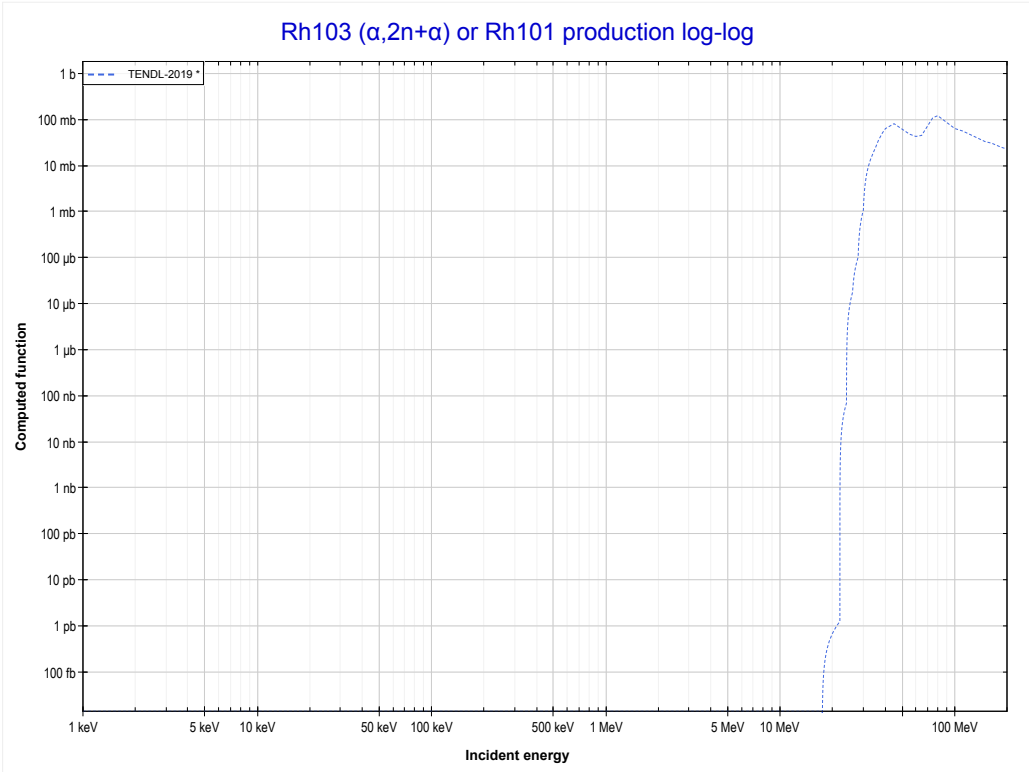
Reaction	Q-Value
Rh103($\alpha,3n$)Ag104	-24704.74 keV

<< 42-Mo-100	45-Rh-103	48-Cd-106 >>
<< MT17 ($\alpha,3n$)	MT22 ($\alpha,n+\alpha$) or MT5 (Rh102 production)	MT24 ($\alpha,2n+\alpha$) >>



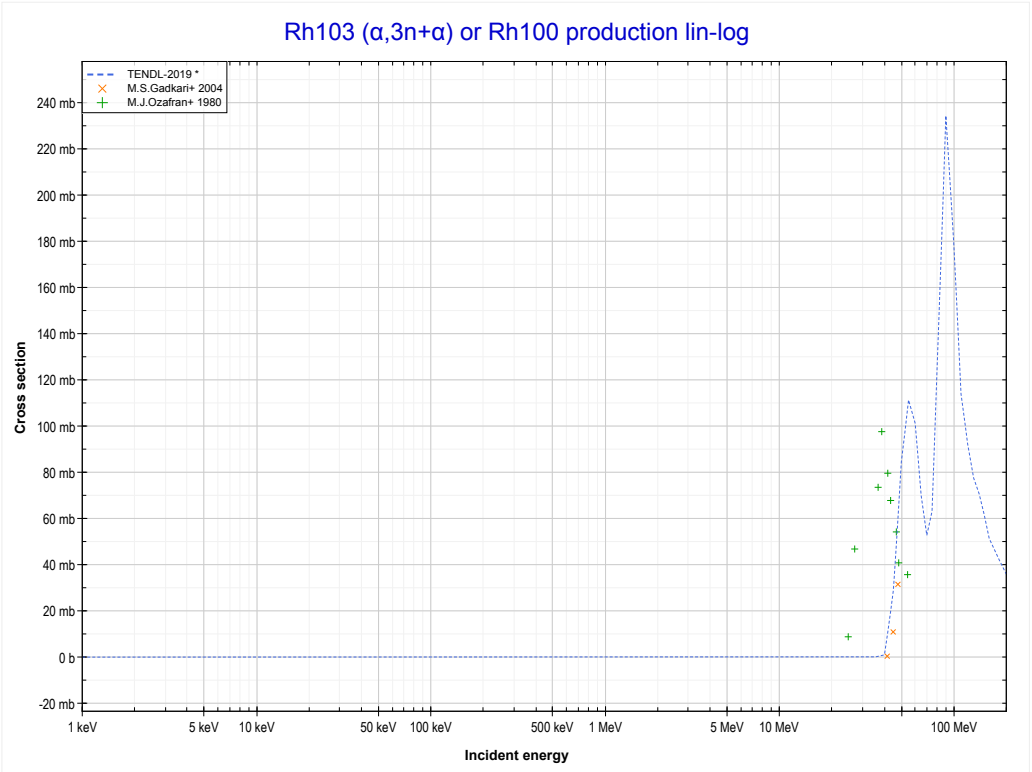
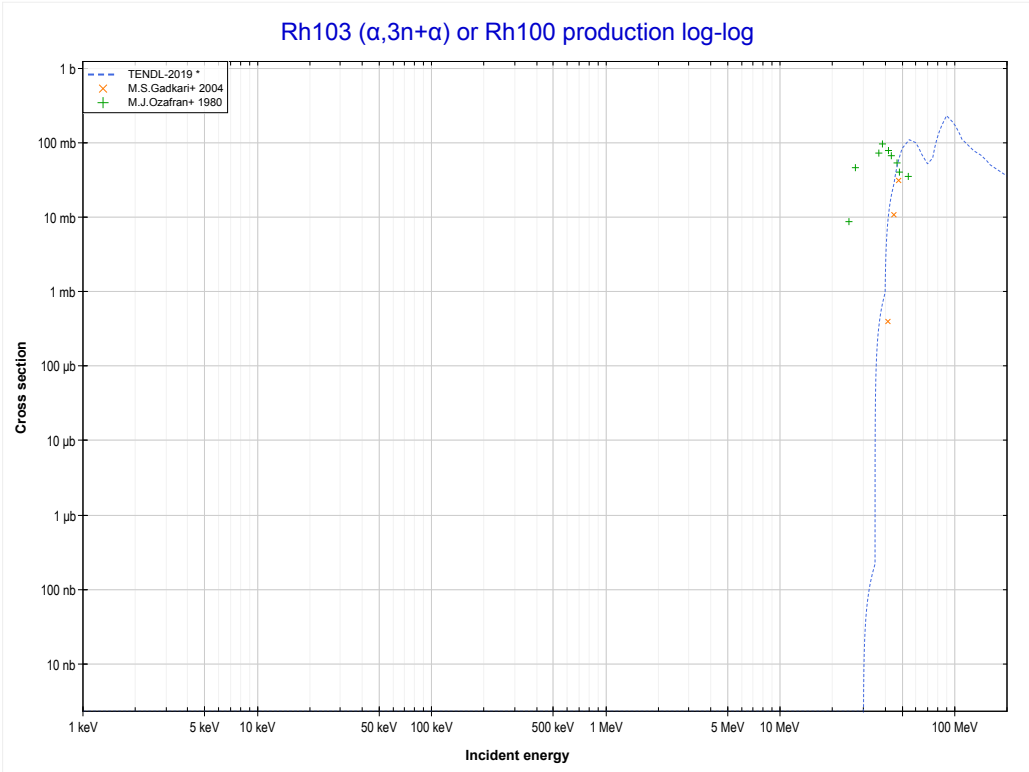
Reaction	Q-Value
Rh103($\alpha,n+\alpha$)Rh102	-9320.02 keV
Rh103($\alpha,d+t$)Rh102	-26909.32 keV
Rh103($\alpha,n+p+t$)Rh102	-29133.88 keV
Rh103($\alpha,2n+He3$)Rh102	-29897.64 keV
Rh103($\alpha,n+2d$)Rh102	-33166.54 keV
Rh103($\alpha,2n+p+d$)Rh102	-35391.11 keV
Rh103($\alpha,3n+2p$)Rh102	-37615.68 keV

<< 42-Mo-92	45-Rh-103	47-Ag-107 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Rh101 production)	MT25 ($\alpha,3n+\alpha$) >>



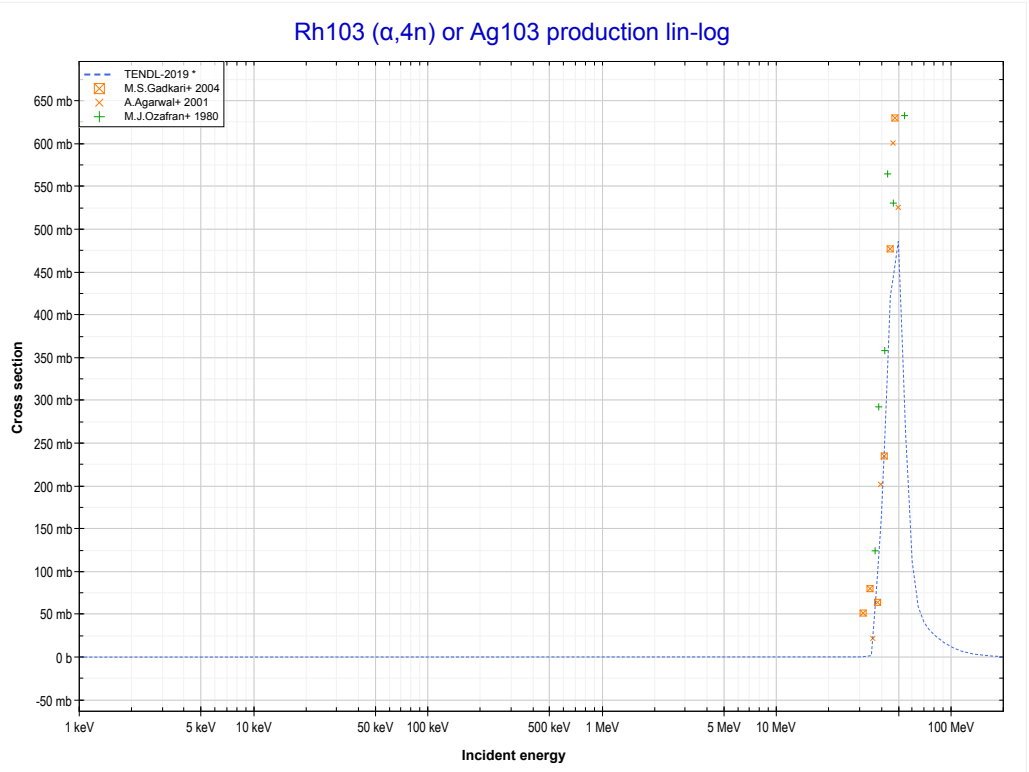
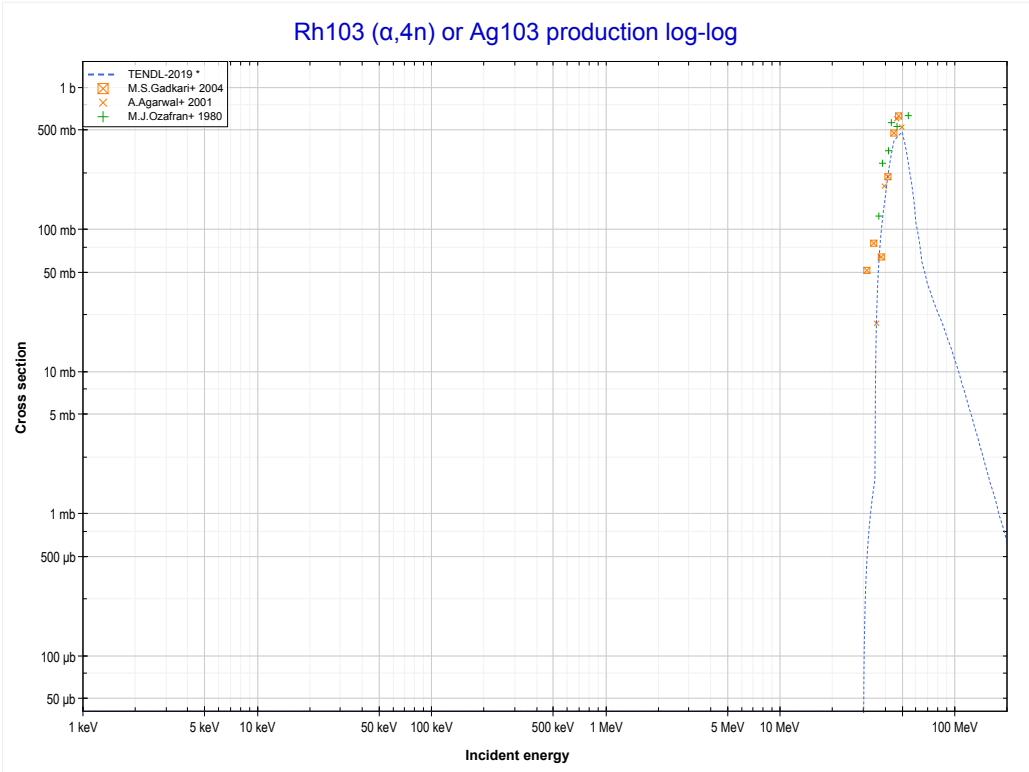
Reaction	Q-Value
Rh103($\alpha,2n+\alpha$)Rh101	-16762.33 keV
Rh103($\alpha,2t$)Rh101	-28094.40 keV
Rh103($\alpha,n+d+t$)Rh101	-34351.63 keV
Rh103($\alpha,2n+p+t$)Rh101	-36576.20 keV
Rh103($\alpha,3n+He3$)Rh101	-37339.95 keV
Rh103($\alpha,2n+2d$)Rh101	-40608.86 keV
Rh103($\alpha,3n+p+d$)Rh101	-42833.43 keV
Rh103($\alpha,4n+2p$)Rh101	-45057.99 keV

<< 41-Nb-93	45-Rh-103	47-Ag-107 >>
<< MT24 ($\alpha,2n+\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (Rh100 production)	MT37 ($\alpha,4n$) >>



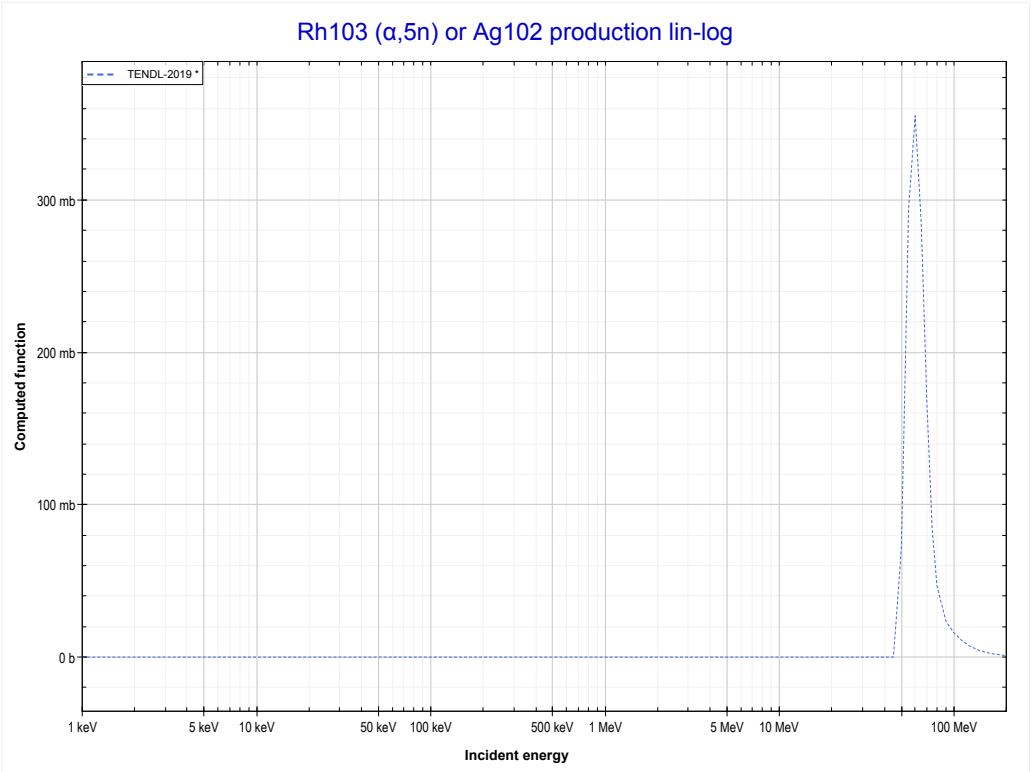
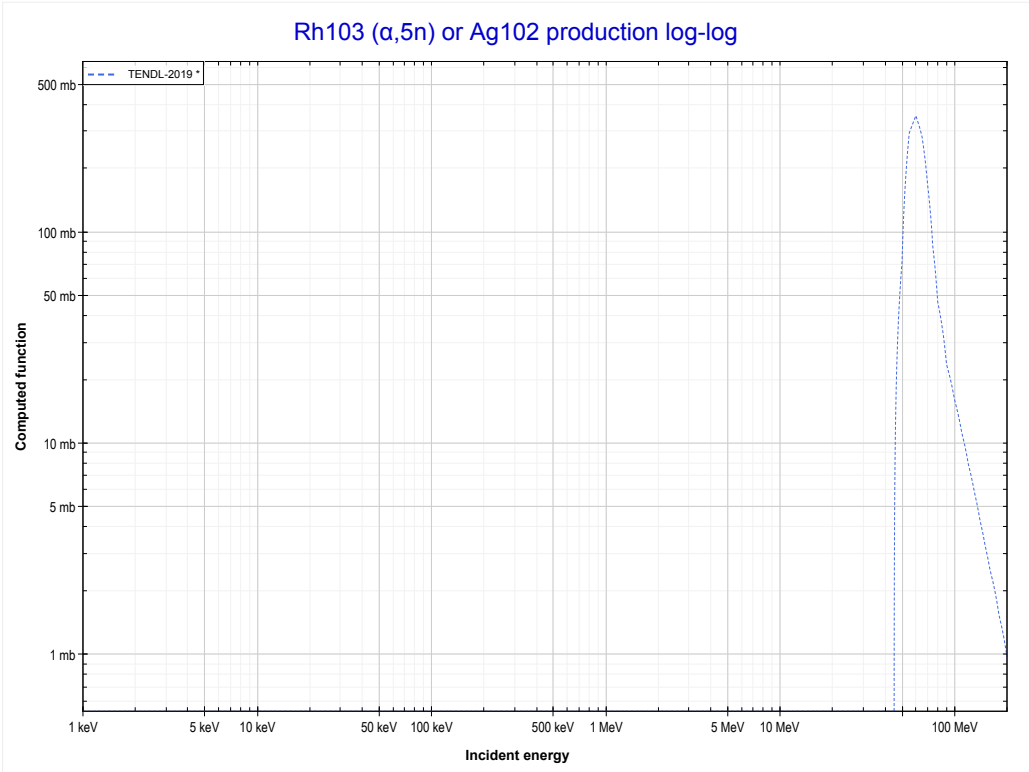
Reaction	Q-Value
Rh103($\alpha,3n+\alpha$)Rh100	-26654.65 keV
Rh103($\alpha,n+2t$)Rh100	-37986.72 keV
Rh103($\alpha,2n+d+t$)Rh100	-44243.95 keV
Rh103($\alpha,3n+p+t$)Rh100	-46468.52 keV
Rh103($\alpha,4n+He3$)Rh100	-47232.27 keV
Rh103($\alpha,3n+2d$)Rh100	-50501.18 keV
Rh103($\alpha,4n+p+d$)Rh100	-52725.75 keV
Rh103($\alpha,5n+2p$)Rh100	-54950.31 keV

<< 42-Mo-97	45-Rh-103	47-Ag-107 >>
<< MT25 ($\alpha,3n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Ag103 production)	MT152 ($\alpha,5n$) >>



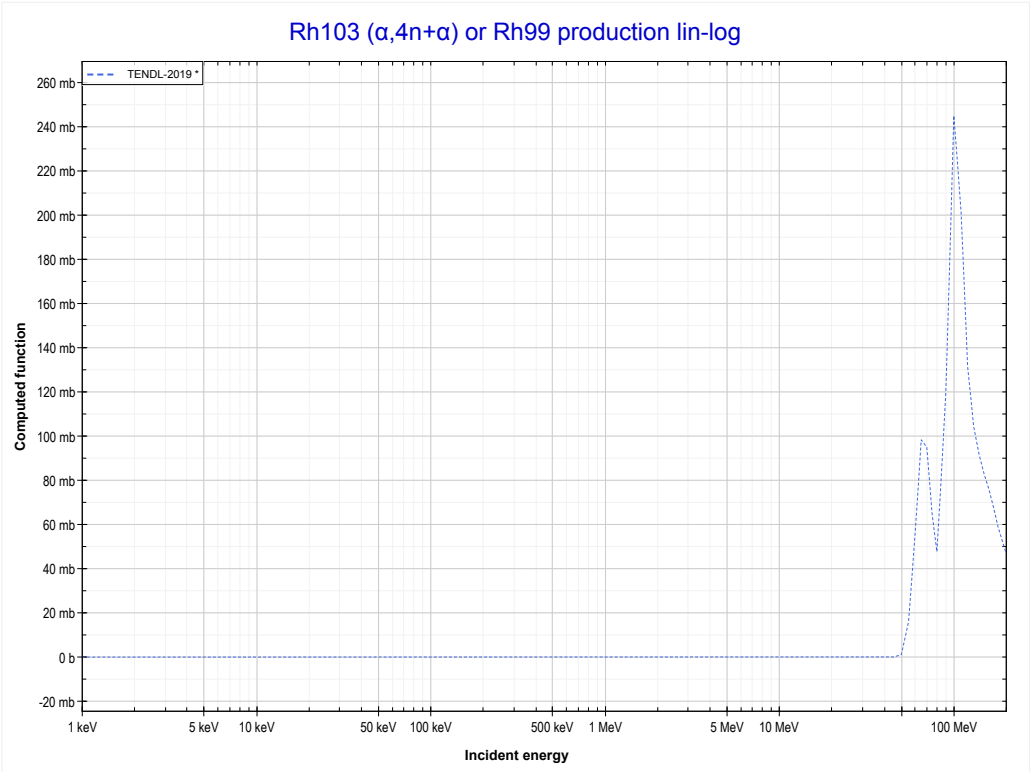
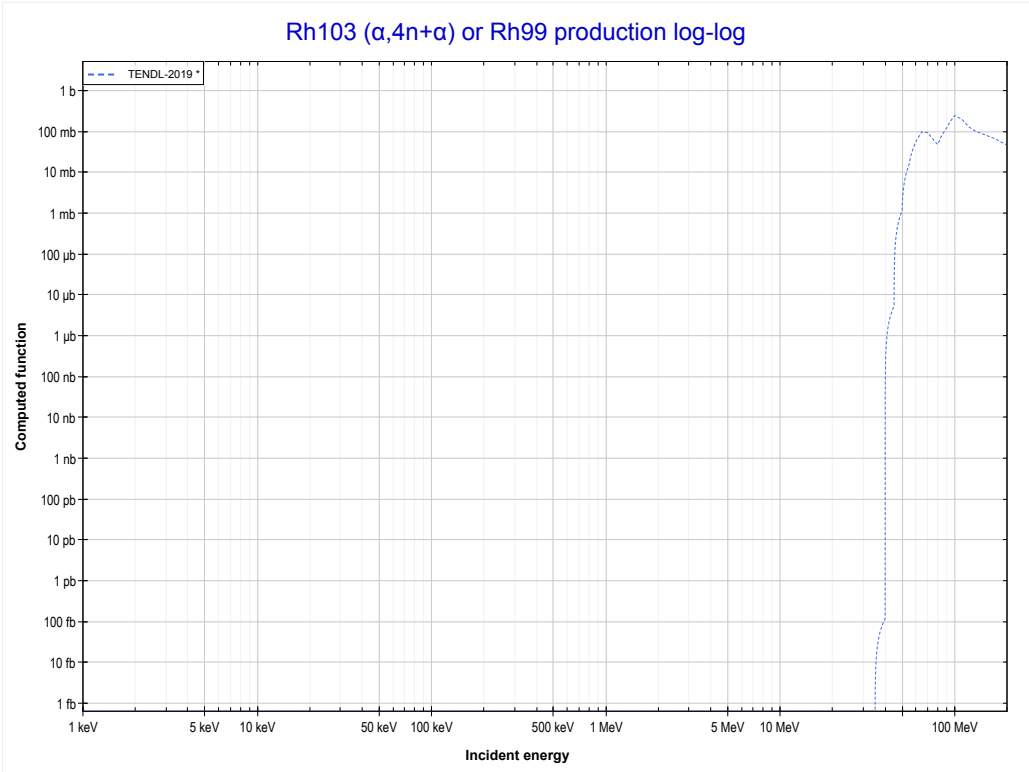
Reaction	Q-Value
Rh103($\alpha,4n$)Ag103	-33089.05 keV

<< 41-Nb-93	45-Rh-103	47-Ag-107 >>
<< MT37 ($\alpha,4n$)	MT152 ($\alpha,5n$) or MT5 (Ag102 production)	MT165 ($\alpha,4n+\alpha$) >>



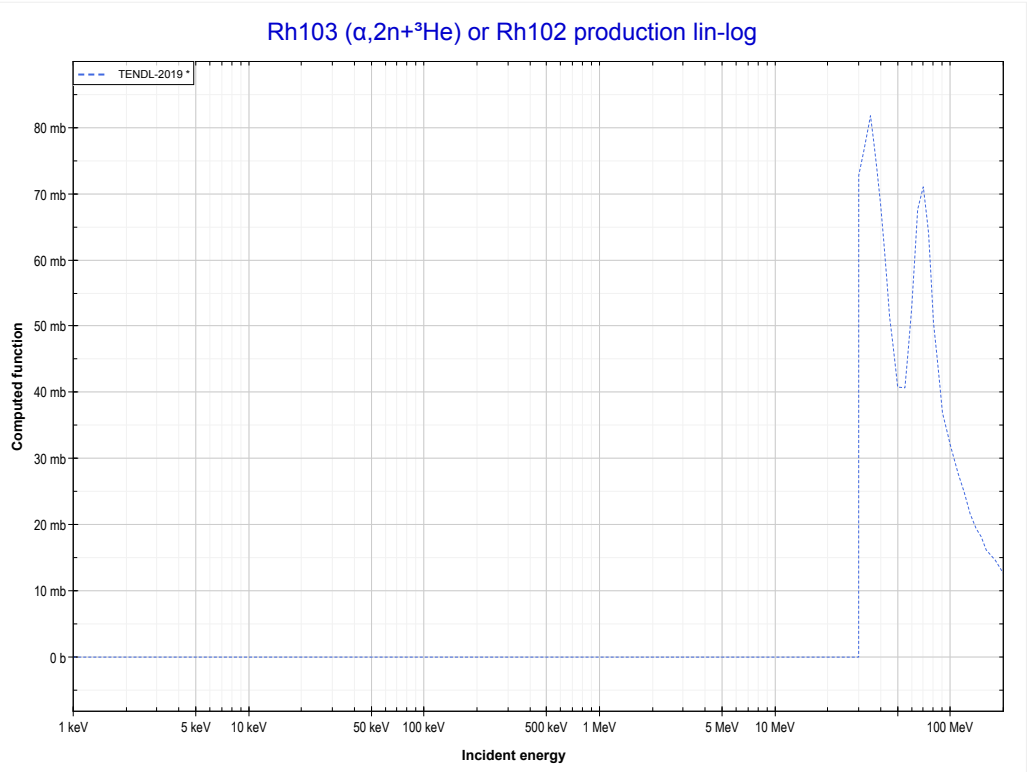
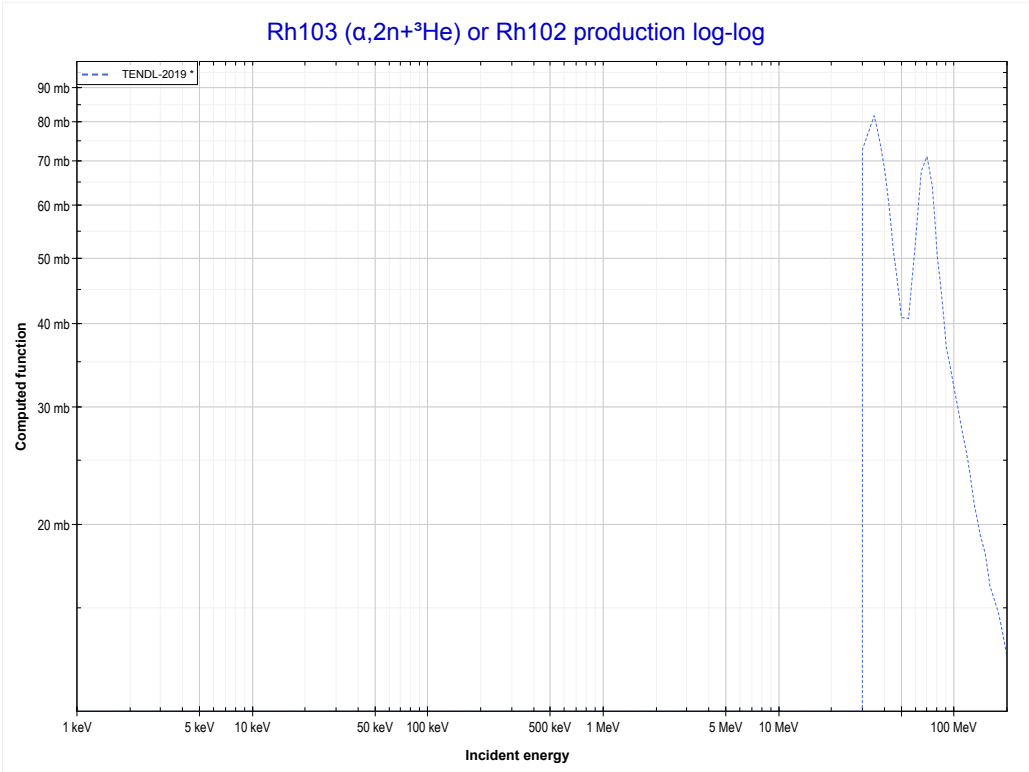
Reaction	Q-Value
Rh103($\alpha,5n$)Ag102	-43716.37 keV

<< 41-Nb-93	45-Rh-103	47-Ag-107 >>
<< MT152 ($\alpha,5n$)	MT165 ($\alpha,4n+\alpha$) or MT5 (Rh99 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



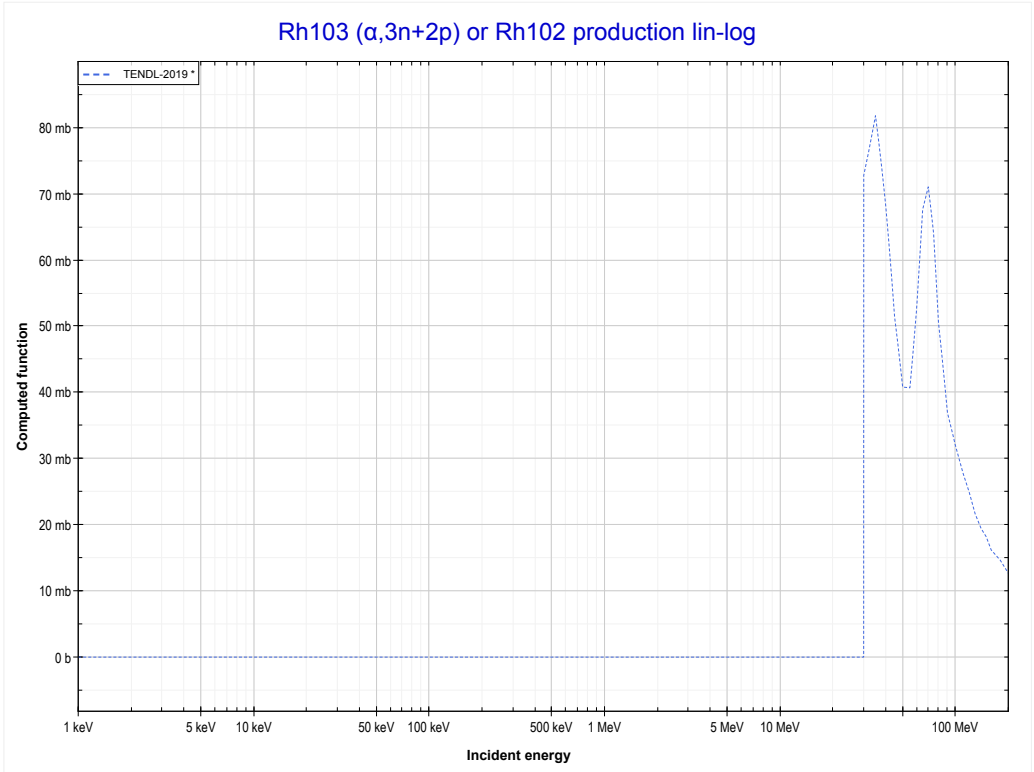
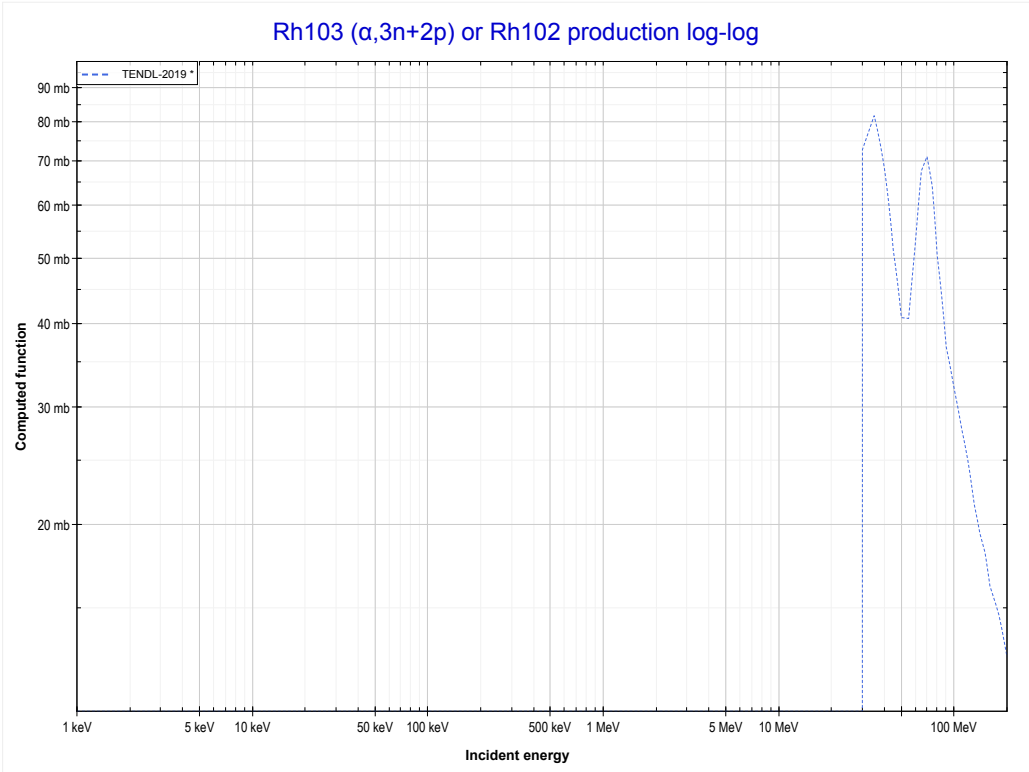
Reaction	Q-Value
Rh103($\alpha,4n+\alpha$)Rh99	-34735.97 keV
Rh103($\alpha,2n+2t$)Rh99	-46068.04 keV
Rh103($\alpha,3n+d+t$)Rh99	-52325.27 keV
Rh103($\alpha,4n+p+t$)Rh99	-54549.83 keV
Rh103($\alpha,5n+^3\text{He}$)Rh99	-55313.59 keV
Rh103($\alpha,4n+2d$)Rh99	-58582.50 keV
Rh103($\alpha,5n+p+d$)Rh99	-60807.06 keV
Rh103($\alpha,6n+2p$)Rh99	-63031.63 keV

<< 42-Mo-100	45-Rh-103	53-I-127 >>
<< MT165 ($\alpha,4n+\alpha$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Rh102 production)	MT179 ($\alpha,3n+2p$) >>



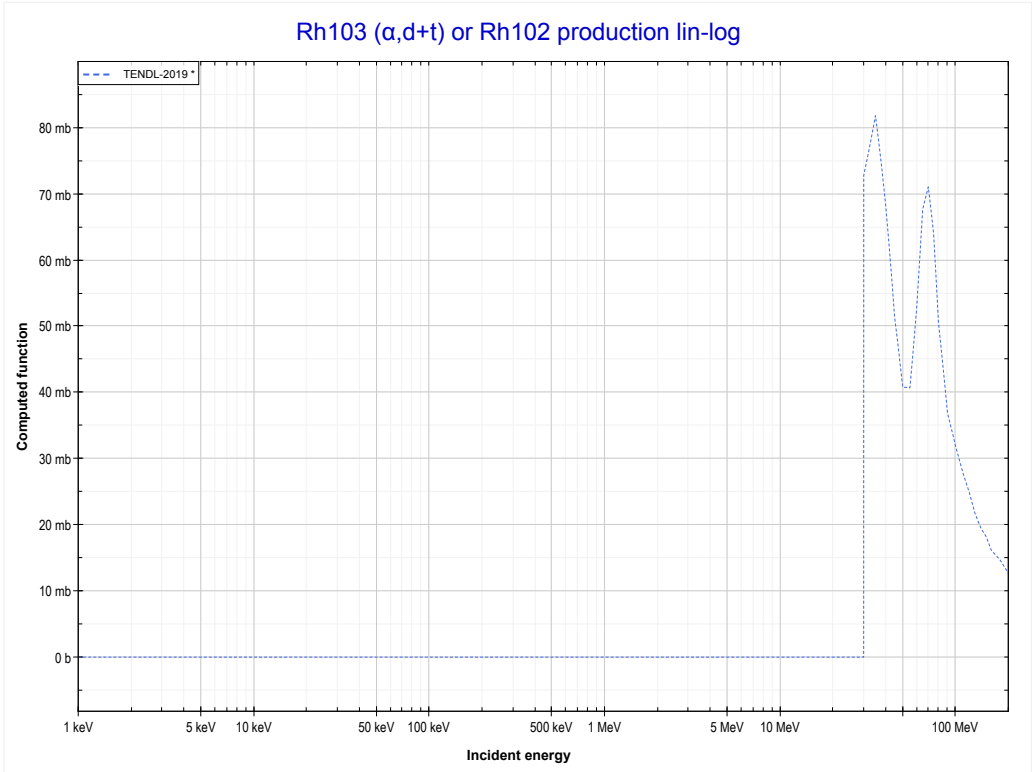
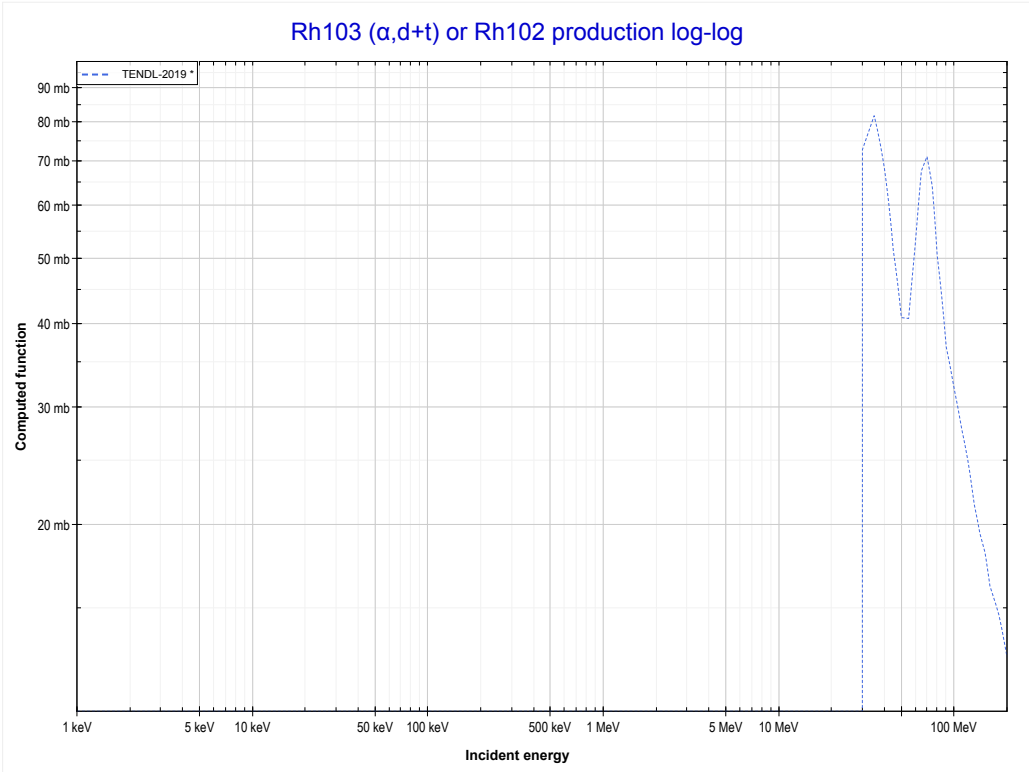
Reaction	Q-Value
Rh103($\alpha,n+\alpha$)Rh102	-9320.02 keV
Rh103($\alpha,d+t$)Rh102	-26909.32 keV
Rh103($\alpha,n+p+t$)Rh102	-29133.88 keV
Rh103($\alpha,2n+\text{He3}$)Rh102	-29897.64 keV
Rh103($\alpha,n+2d$)Rh102	-33166.54 keV
Rh103($\alpha,2n+p+d$)Rh102	-35391.11 keV
Rh103($\alpha,3n+2p$)Rh102	-37615.68 keV

<< 42-Mo-100	45-Rh-103	48-Cd-116 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Rh102 production)	MT182 ($\alpha,d+t$) >>



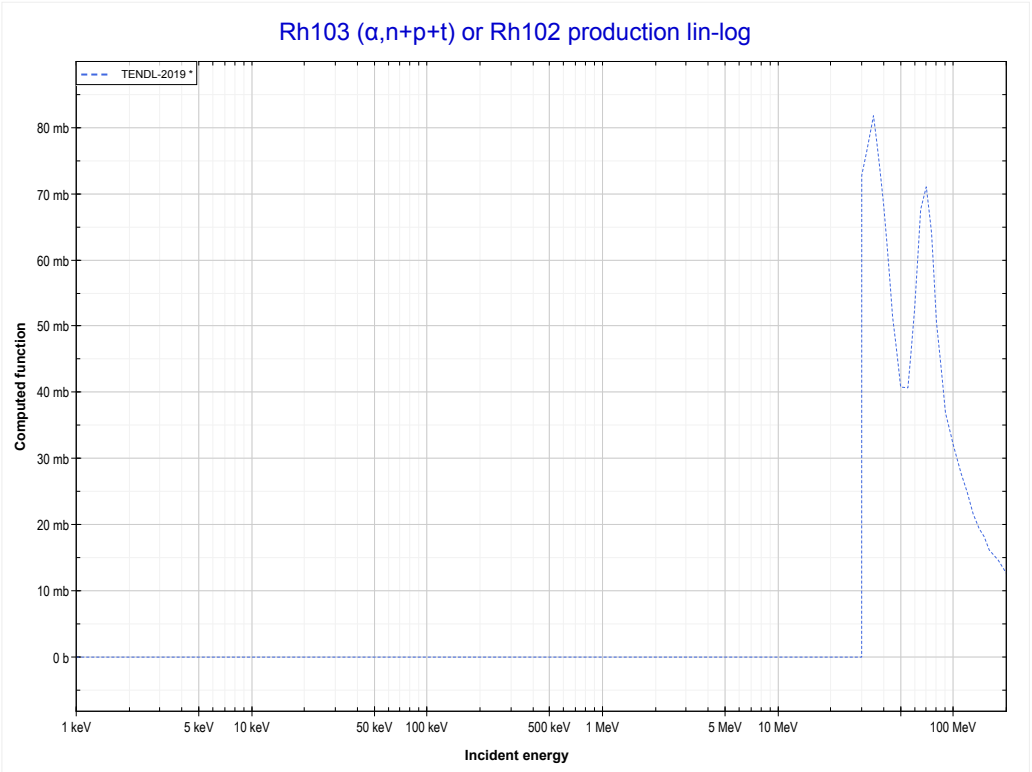
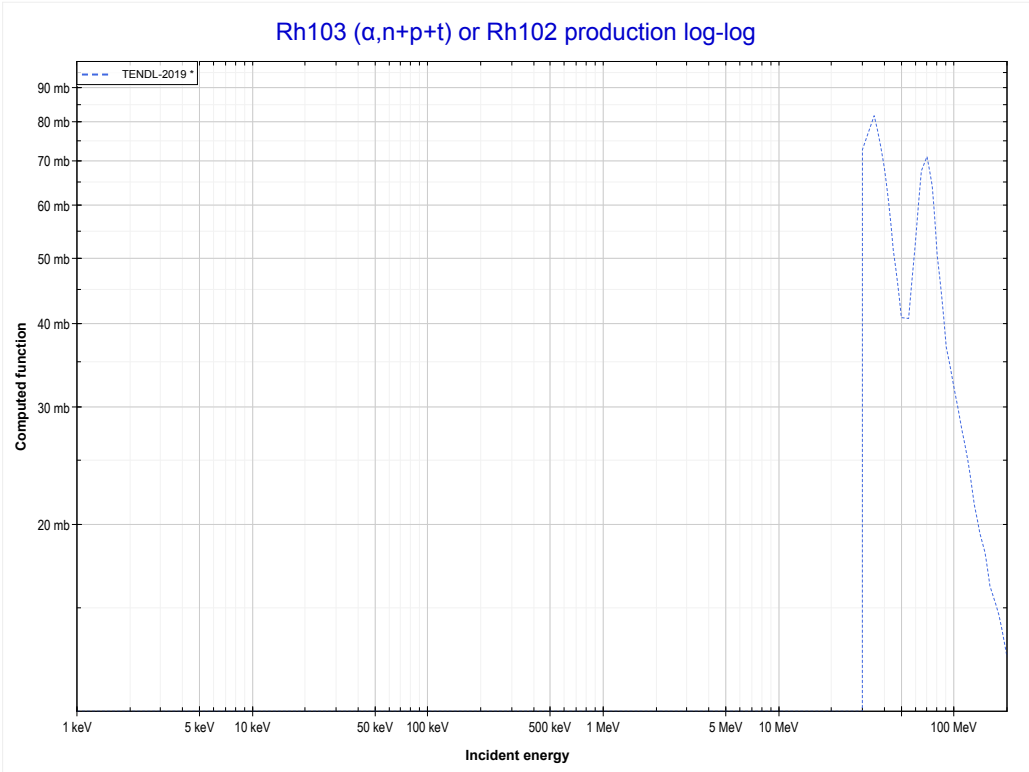
Reaction	Q-Value
Rh103($\alpha,n+\alpha$)Rh102	-9320.02 keV
Rh103($\alpha,d+t$)Rh102	-26909.32 keV
Rh103($\alpha,n+p+t$)Rh102	-29133.88 keV
Rh103($\alpha,2n+\text{He3}$)Rh102	-29897.64 keV
Rh103($\alpha,n+2d$)Rh102	-33166.54 keV
Rh103($\alpha,2n+p+d$)Rh102	-35391.11 keV
Rh103($\alpha,3n+2p$)Rh102	-37615.68 keV

<< 42-Mo-100	45-Rh-103	53-I-127 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Rh102 production)	MT184 ($\alpha,n+p+t$) >>



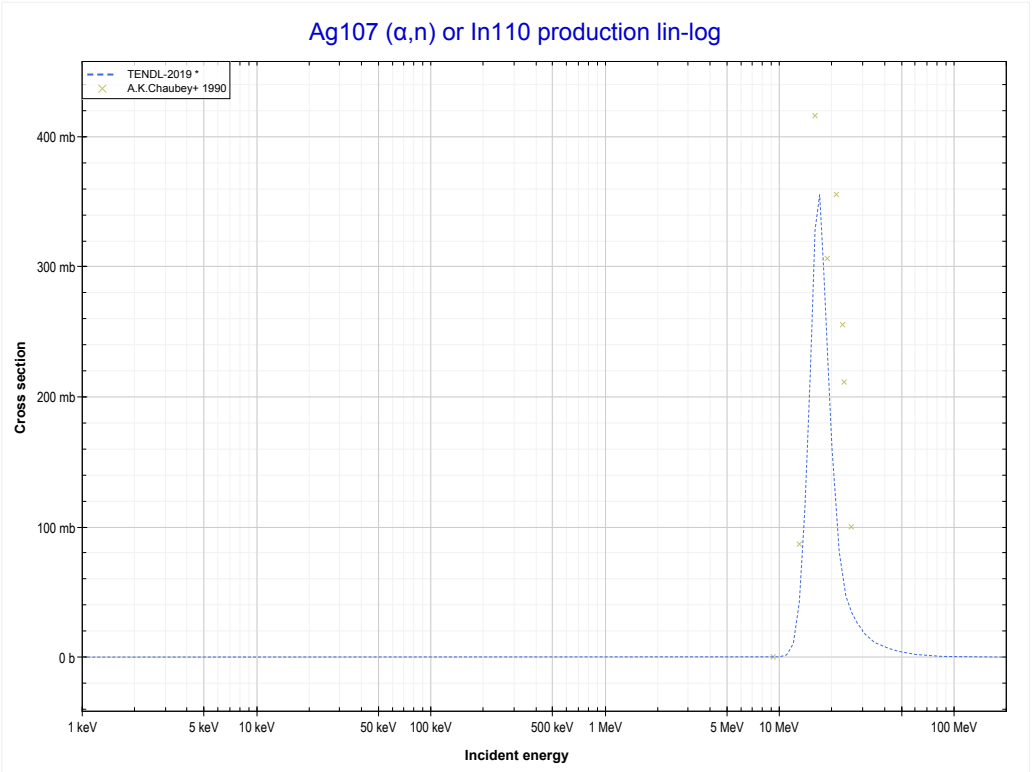
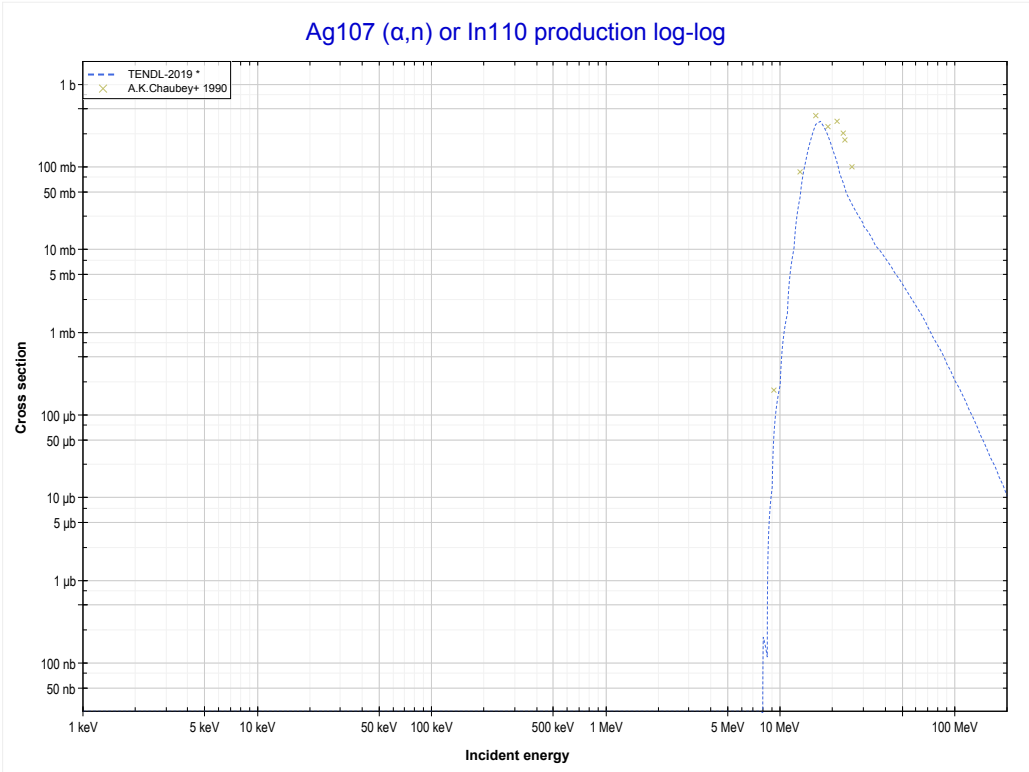
Reaction	Q-Value
Rh103($\alpha,n+\alpha$)Rh102	-9320.02 keV
Rh103($\alpha,d+t$)Rh102	-26909.32 keV
Rh103($\alpha,n+p+t$)Rh102	-29133.88 keV
Rh103($\alpha,2n+He3$)Rh102	-29897.64 keV
Rh103($\alpha,n+2d$)Rh102	-33166.54 keV
Rh103($\alpha,2n+p+d$)Rh102	-35391.11 keV
Rh103($\alpha,3n+2p$)Rh102	-37615.68 keV

<< 42-Mo-100	45-Rh-103	53-I-127 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Rh102 production)	47-Ag-107 MT4 (α,n) >>



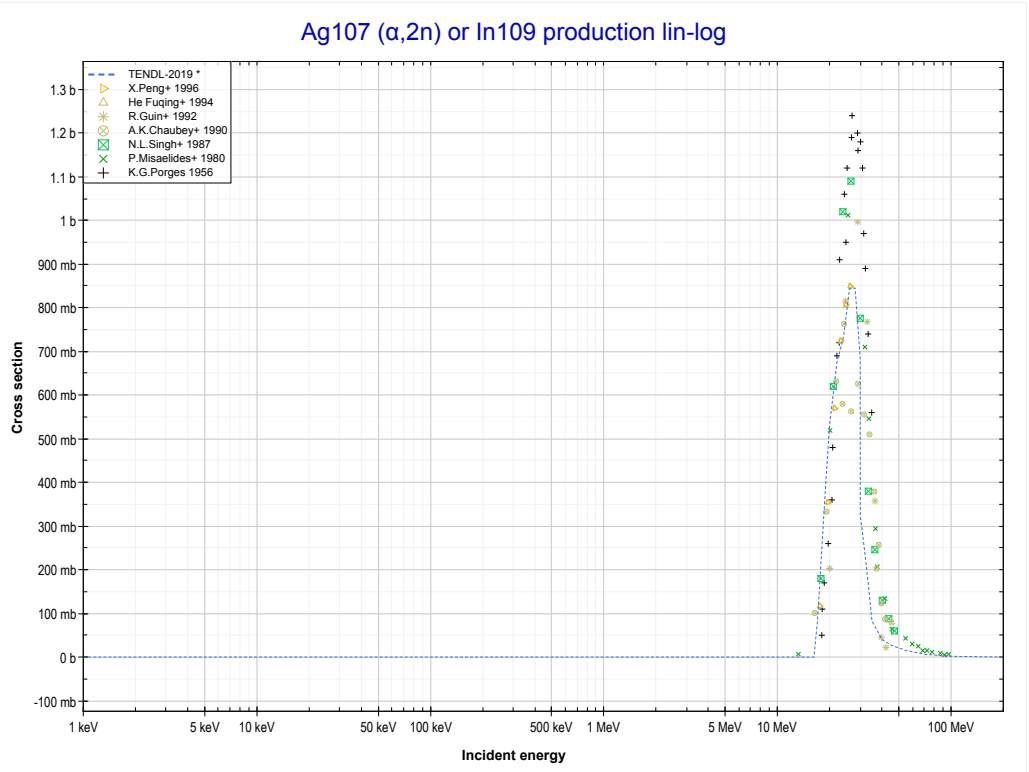
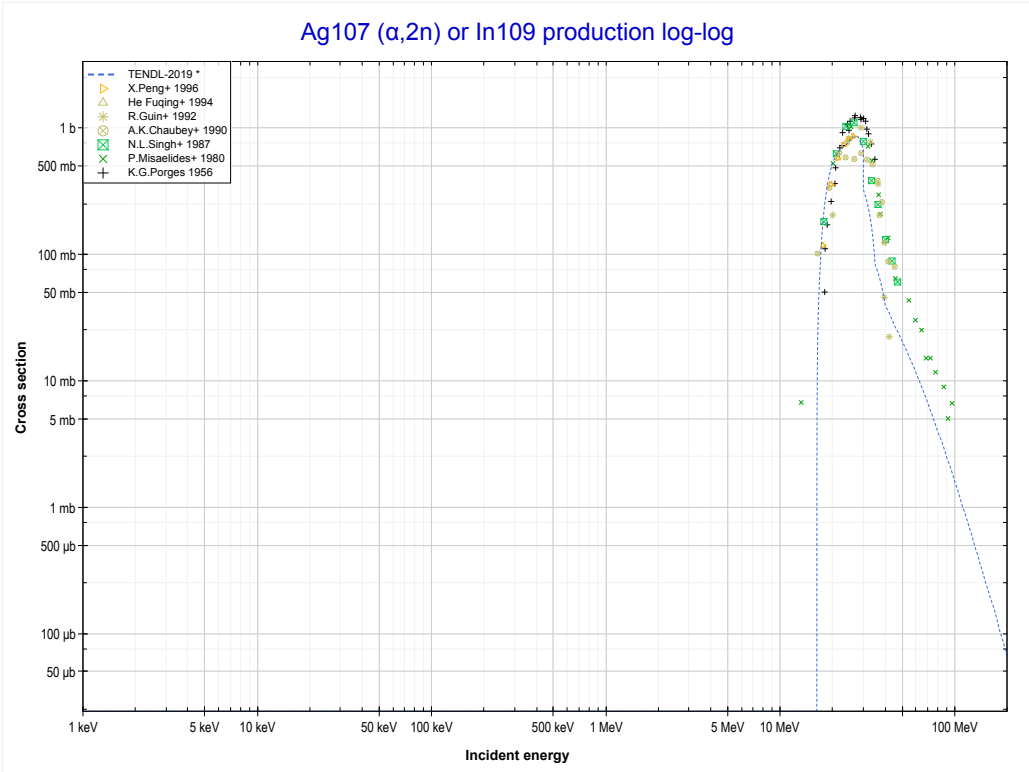
Reaction	Q-Value
Rh103(α,n+α)Rh102	-9320.02 keV
Rh103(α,d+t)Rh102	-26909.32 keV
Rh103(α,n+p+t)Rh102	-29133.88 keV
Rh103(α,2n+He3)Rh102	-29897.64 keV
Rh103(α,n+2d)Rh102	-33166.54 keV
Rh103(α,2n+p+d)Rh102	-35391.11 keV
Rh103(α,3n+2p)Rh102	-37615.68 keV

<< 45-Rh-103	47-Ag-107	47-Ag-109 >>
<< 45-Rh-103 MT184 (α ,n+p+t)	MT4 (α ,n) or MT5 (In110 production)	MT16 (α ,2n) >>



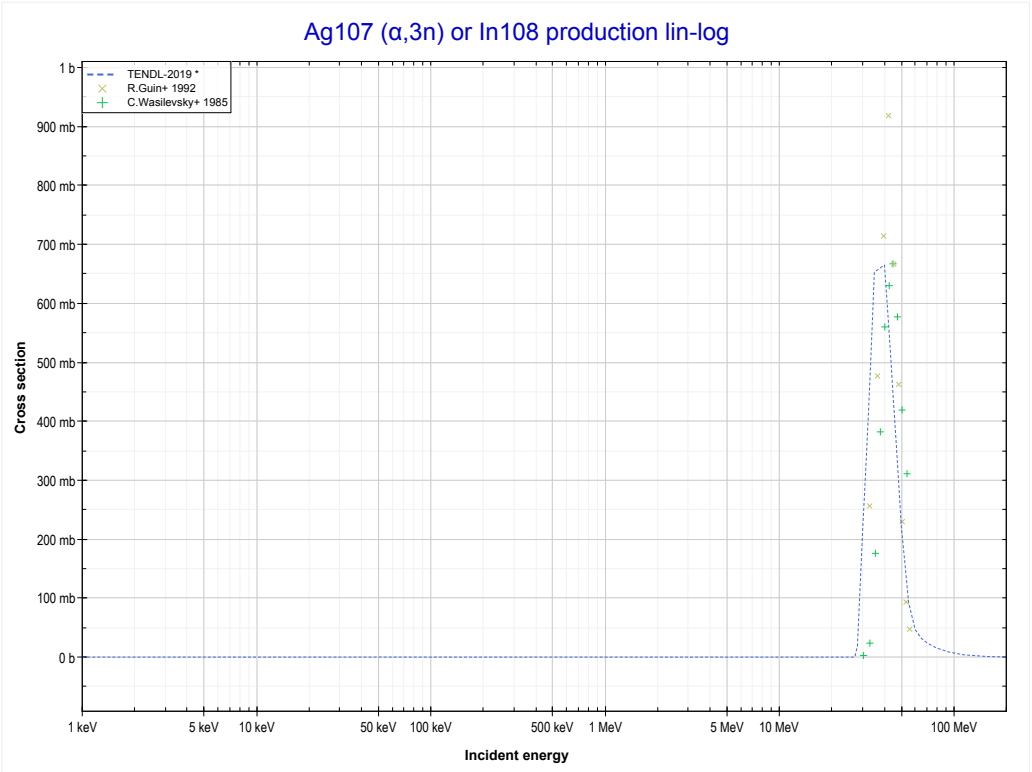
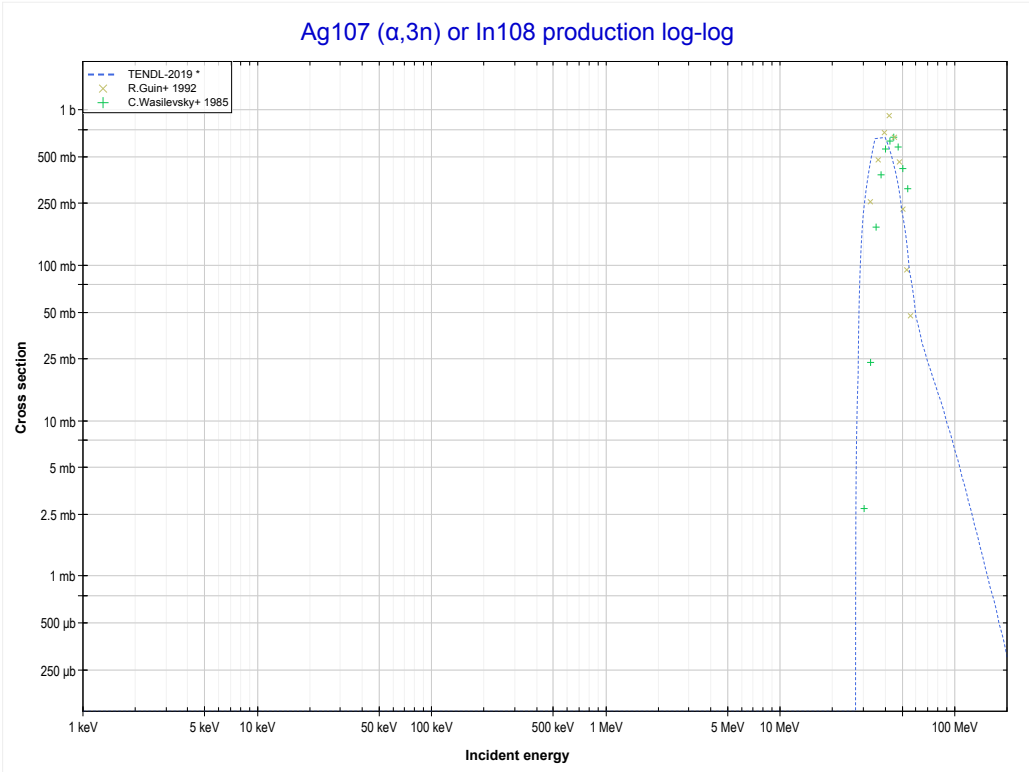
Reaction	Q-Value
Ag107(α ,n)In110	-7583.10 keV

<< 45-Rh-103	47-Ag-107	47-Ag-109 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (In109 production)	MT17 (α,3n) >>



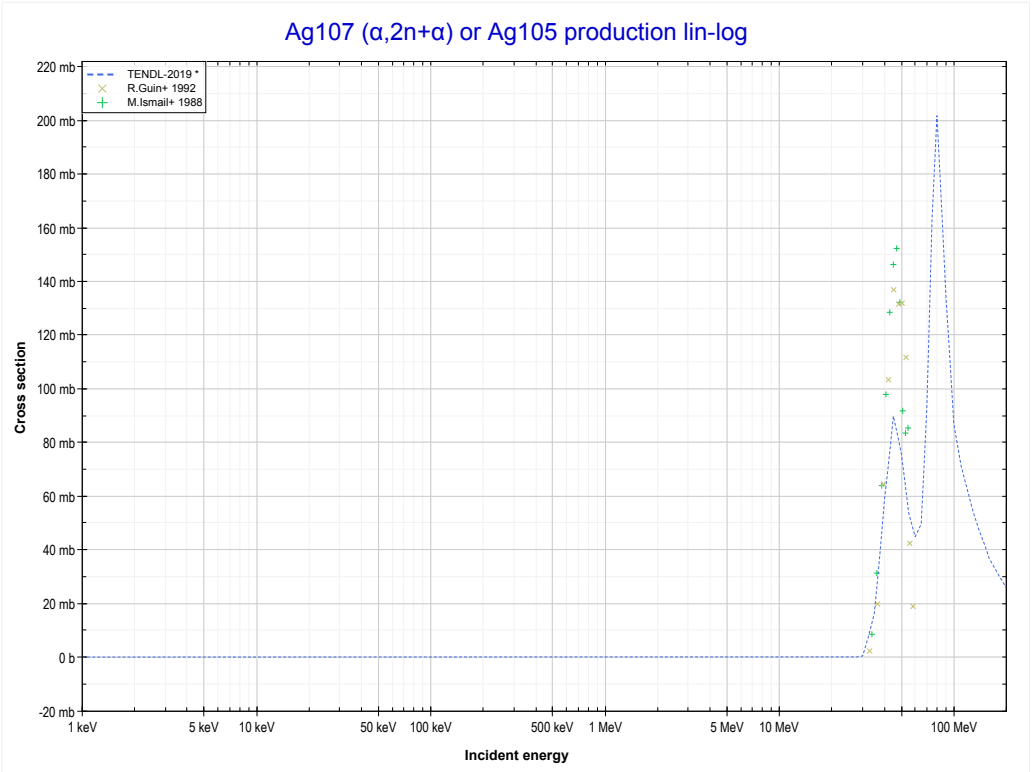
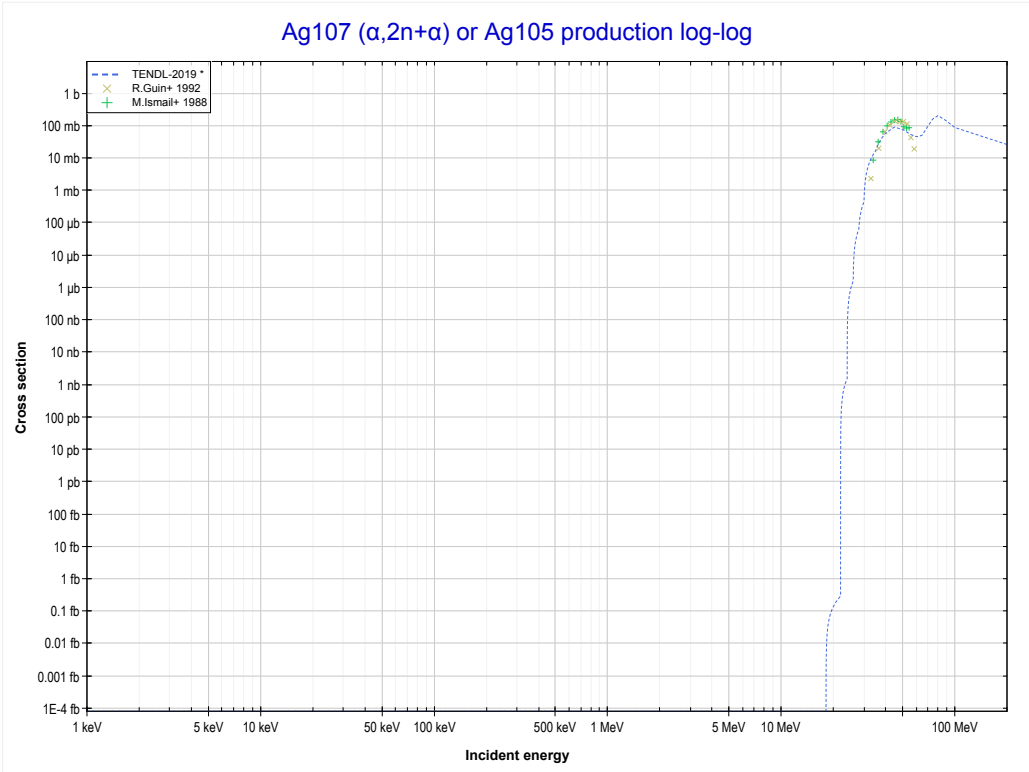
Reaction	Q-Value
Ag107(α,2n)In109	-15634.42 keV

<< 45-Rh-103	47-Ag-107	47-Ag-109 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (In108 production)	MT24 ($\alpha,2n+\alpha$) >>



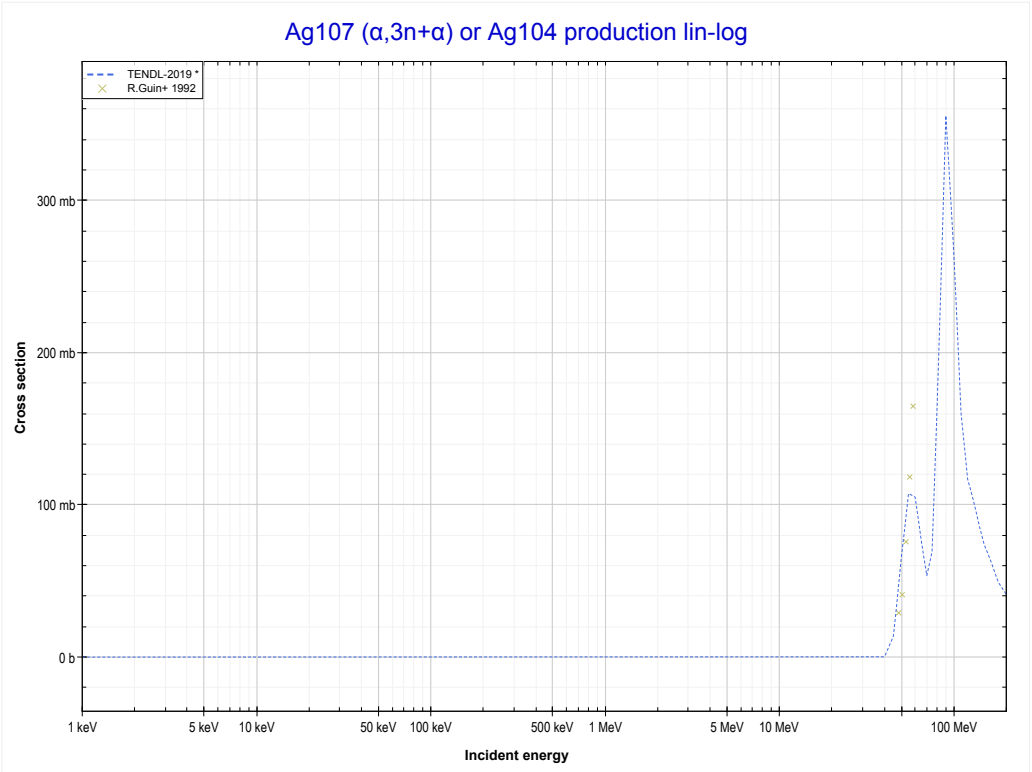
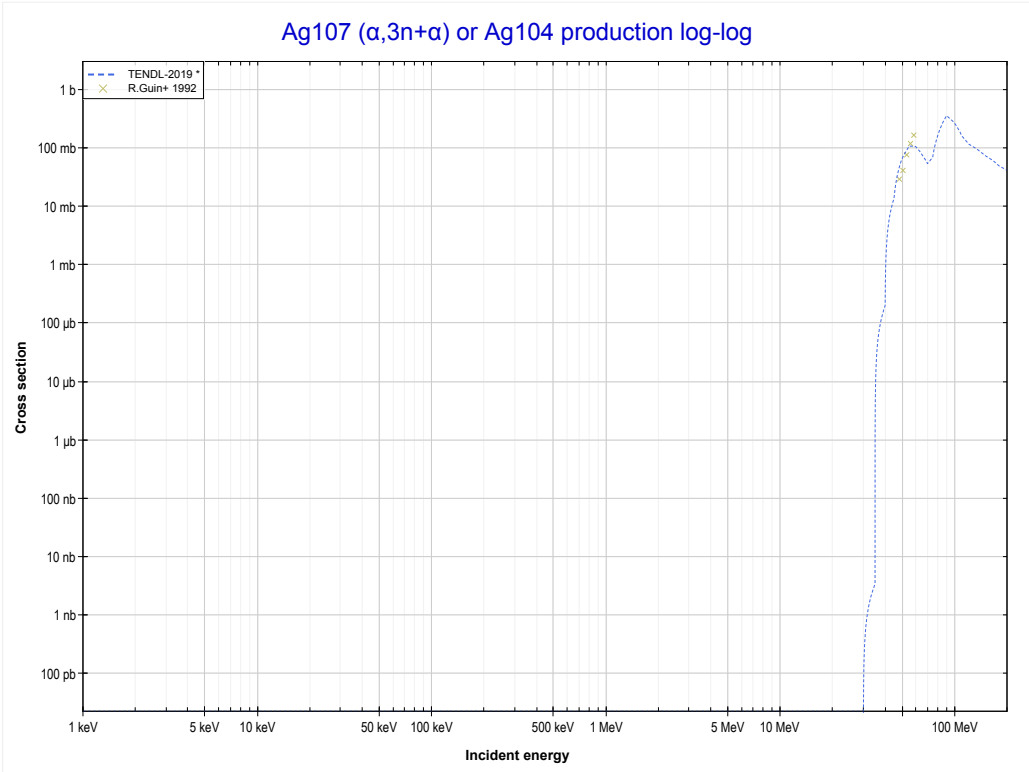
Reaction	Q-Value
Ag107($\alpha,3n$)In108	-26075.74 keV

<< 45-Rh-103	47-Ag-107	53-I-127 >>
<< MT17 ($\alpha,3n$)	MT24 ($\alpha,2n+\alpha$) or MT5 (Ag105 production)	MT25 ($\alpha,3n+\alpha$) >>



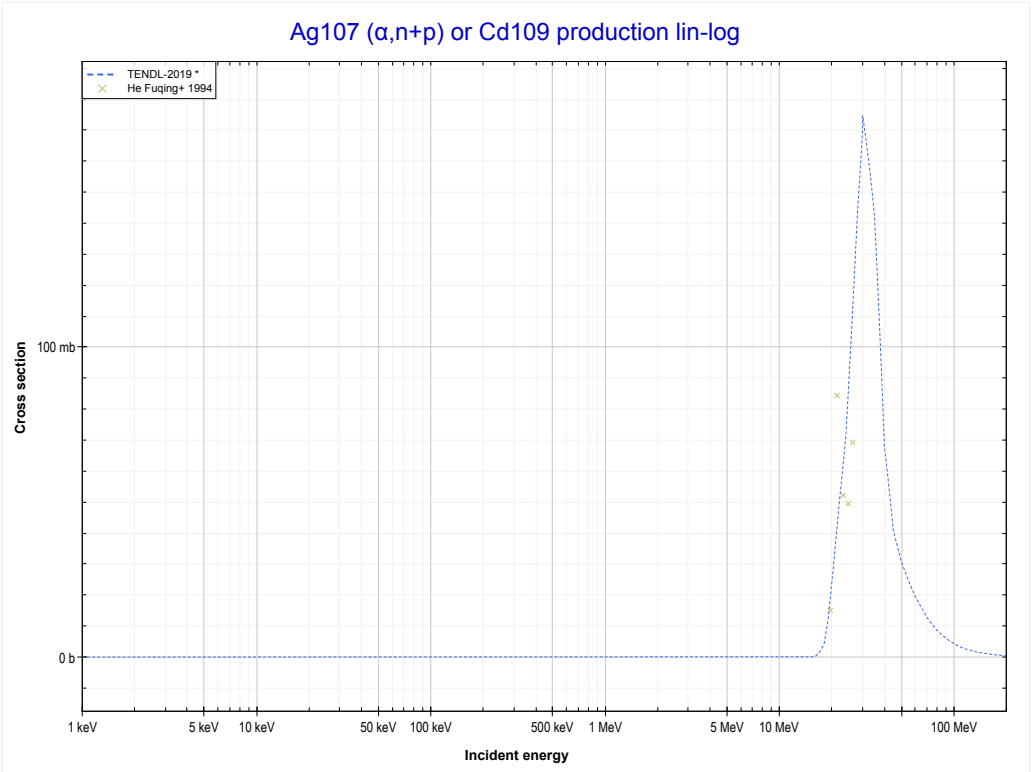
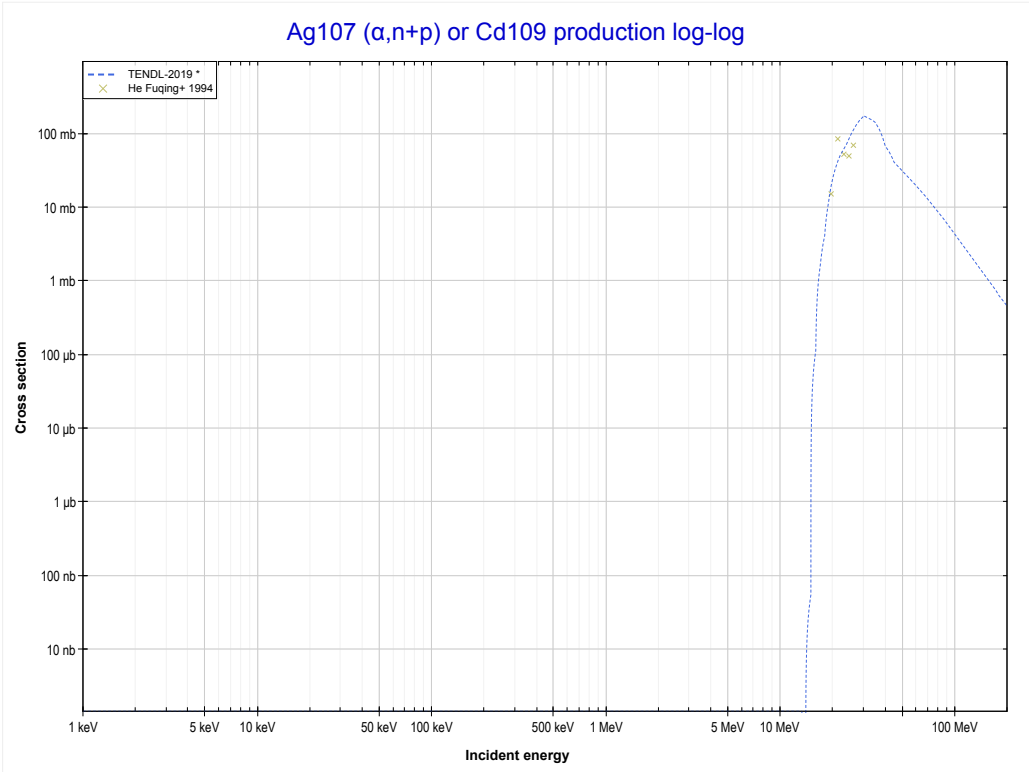
Reaction	Q-Value
Ag107($\alpha,2n+\alpha$)Ag105	-17478.33 keV
Ag107($\alpha,2t$)Ag105	-28810.40 keV
Ag107($\alpha,n+d+t$)Ag105	-35067.63 keV
Ag107($\alpha,2n+p+t$)Ag105	-37292.20 keV
Ag107($\alpha,3n+He3$)Ag105	-38055.95 keV
Ag107($\alpha,2n+2d$)Ag105	-41324.86 keV
Ag107($\alpha,3n+p+d$)Ag105	-43549.43 keV
Ag107($\alpha,4n+2p$)Ag105	-45773.99 keV

<< 45-Rh-103	47-Ag-107	47-Ag-109 >>
<< MT24 ($\alpha,2n+\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (Ag104 production)	MT28 ($\alpha,n+p$) >>



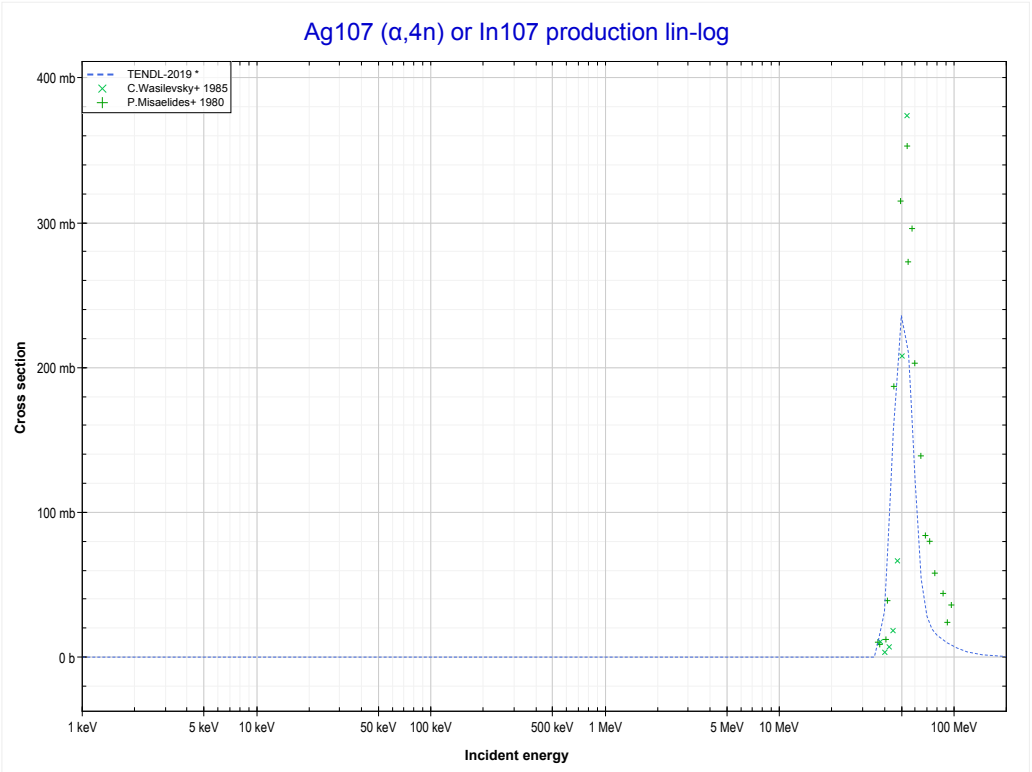
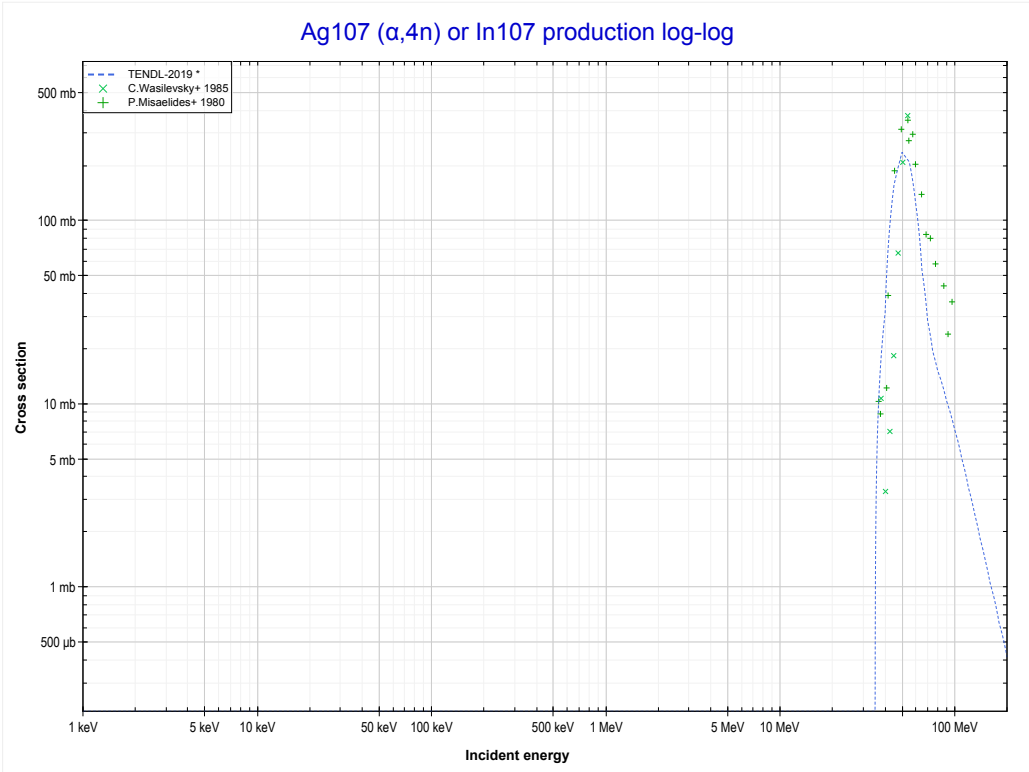
Reaction	Q-Value
Ag107($\alpha,3n+\alpha$)Ag104	-27504.65 keV
Ag107($\alpha,n+2t$)Ag104	-38836.72 keV
Ag107($\alpha,2n+d+t$)Ag104	-45093.95 keV
Ag107($\alpha,3n+p+t$)Ag104	-47318.52 keV
Ag107($\alpha,4n+He3$)Ag104	-48082.27 keV
Ag107($\alpha,3n+2d$)Ag104	-51351.18 keV
Ag107($\alpha,4n+p+d$)Ag104	-53575.75 keV
Ag107($\alpha,5n+2p$)Ag104	-55800.31 keV

<< 42-Mo-94	47-Ag-107	48-Cd-114 >>
<< MT25 ($\alpha,3n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Cd109 production)	MT37 ($\alpha,4n$) >>



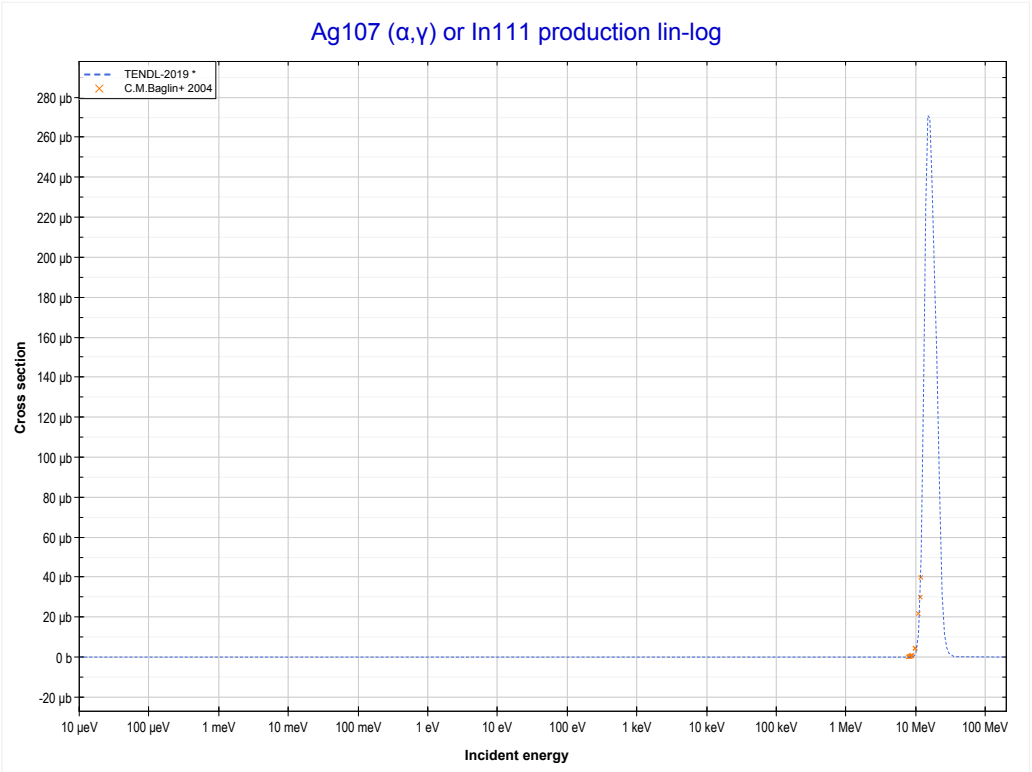
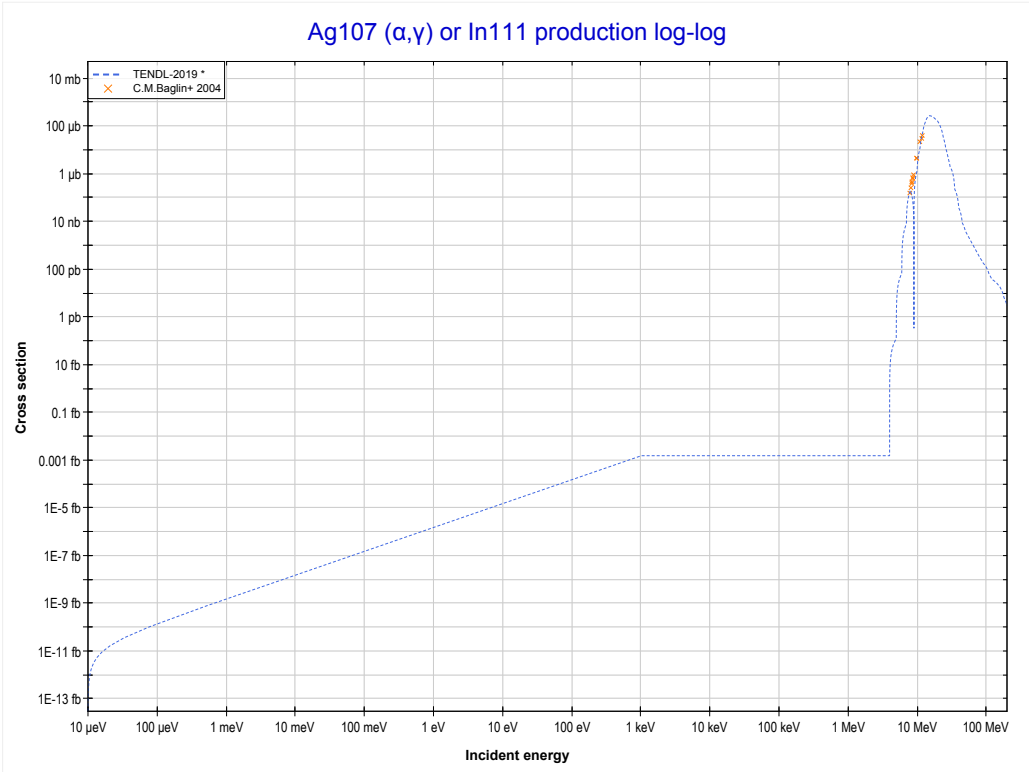
Reaction	Q-Value
Ag107(α,d)Cd109	-10613.21 keV
Ag107($\alpha,n+p$)Cd109	-12837.77 keV

<< 45-Rh-103	47-Ag-107	47-Ag-109 >>
<< MT28 (α ,n+p)	MT37 (α ,4n) or MT5 (In107 production)	MT102 (α , γ) >>



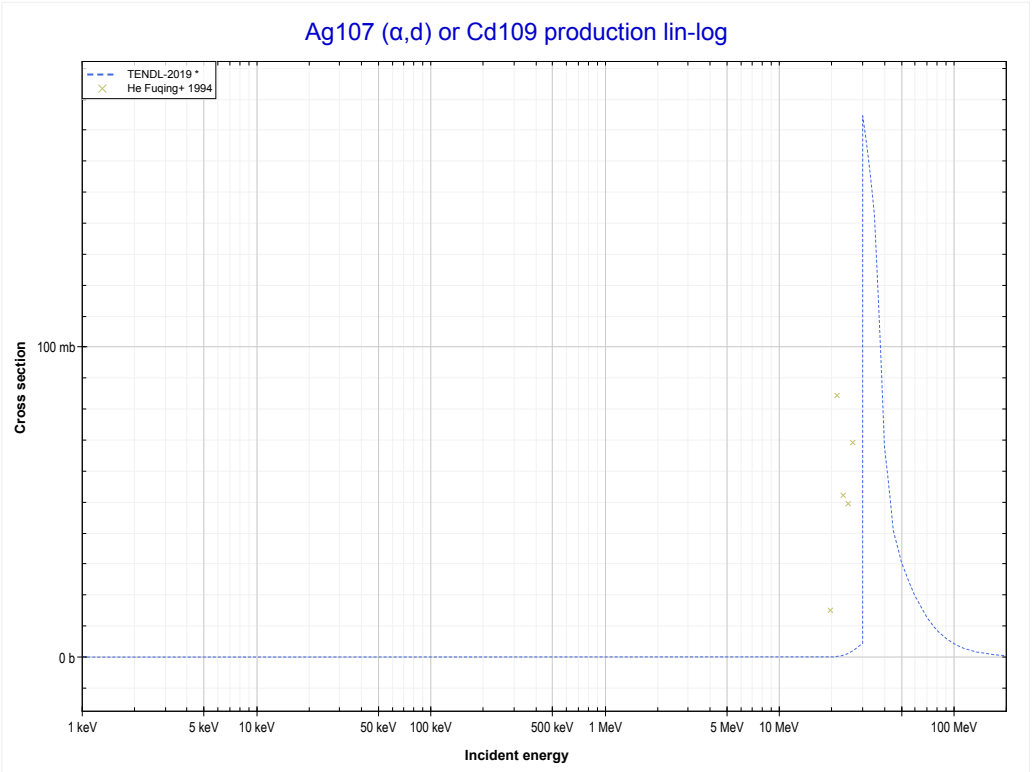
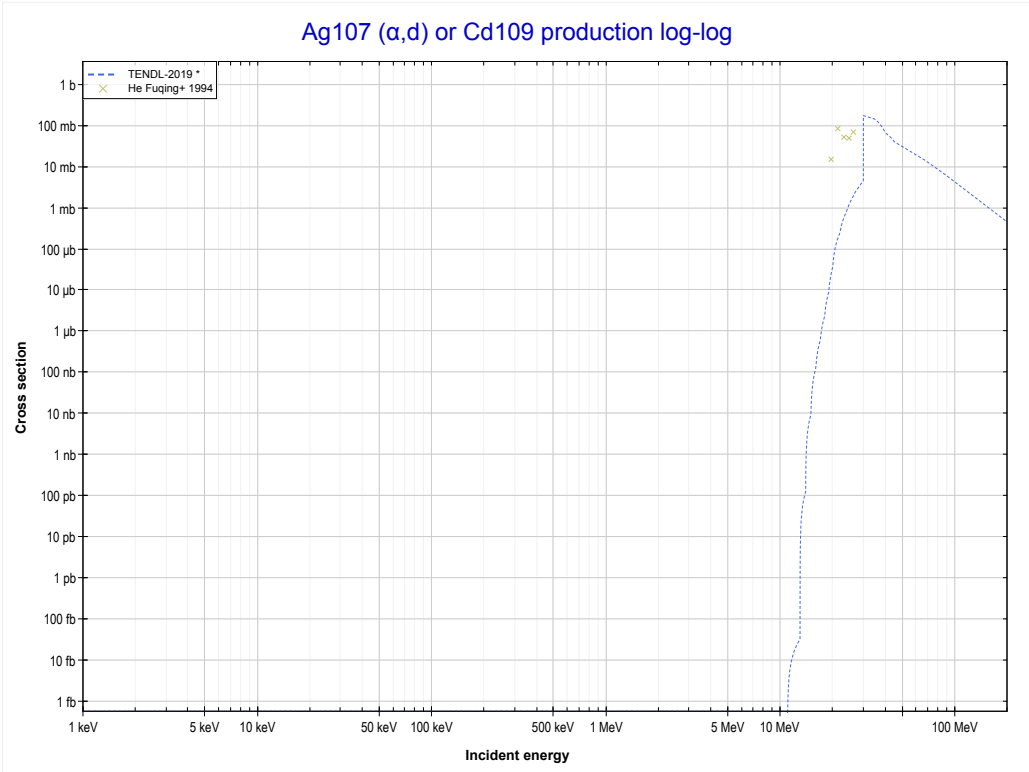
Reaction	Q-Value
Ag107(α ,4n)In107	-34703.05 keV

<< 32-Ge-70	47-Ag-107	48-Cd-106 >>
<< MT37 ($\alpha,4n$)	MT102 (α,γ) or MT5 (In111 production)	MT104 (α,d) >>



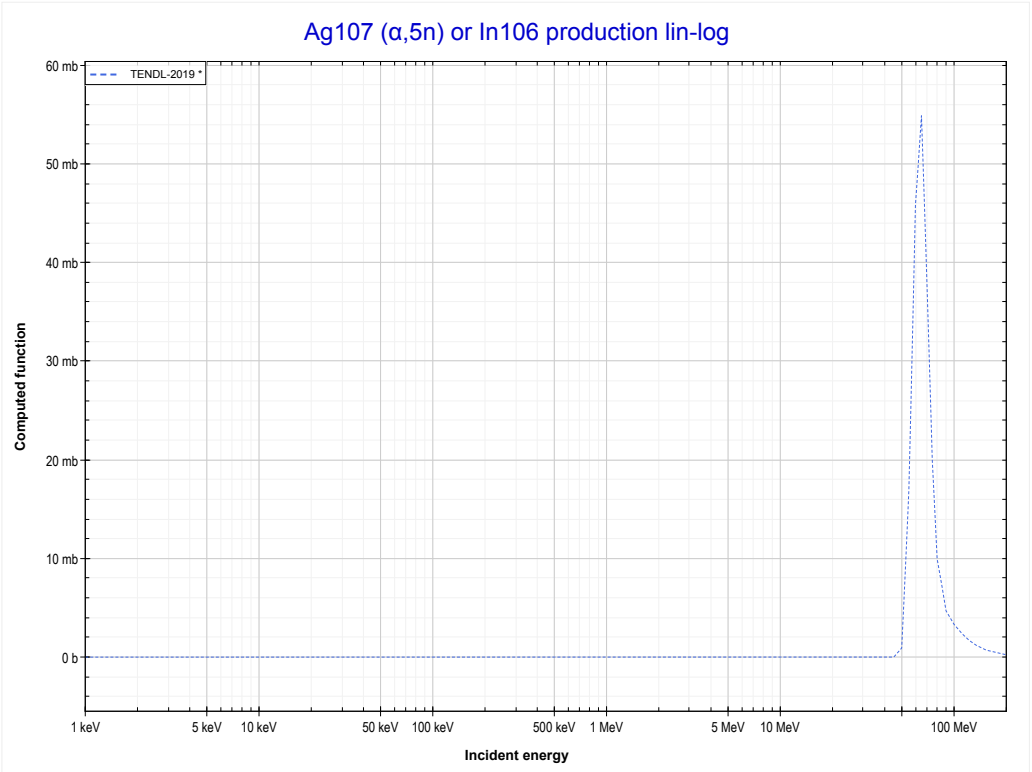
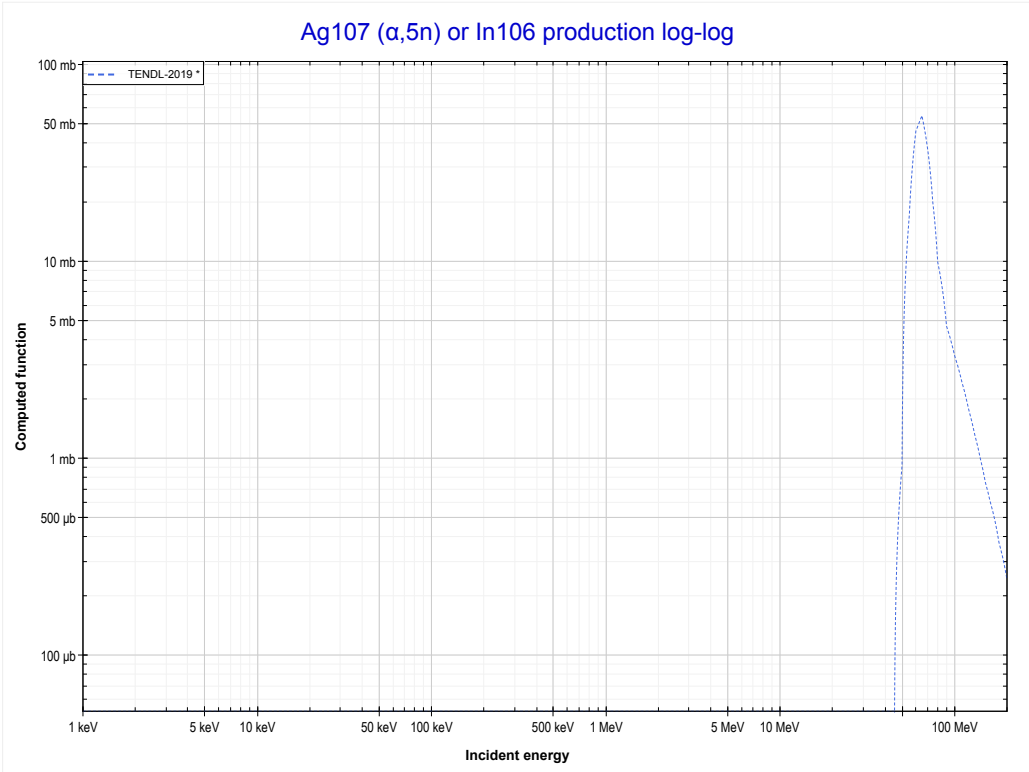
Reaction	Q-Value
Ag107(α,γ)In111	2410.22 keV

<< 42-Mo-94	47-Ag-107	50-Sn-120 >>
<< MT102 (α,γ)	MT104 (α,d) or MT5 (Cd109 production)	MT152 (α,5n) >>



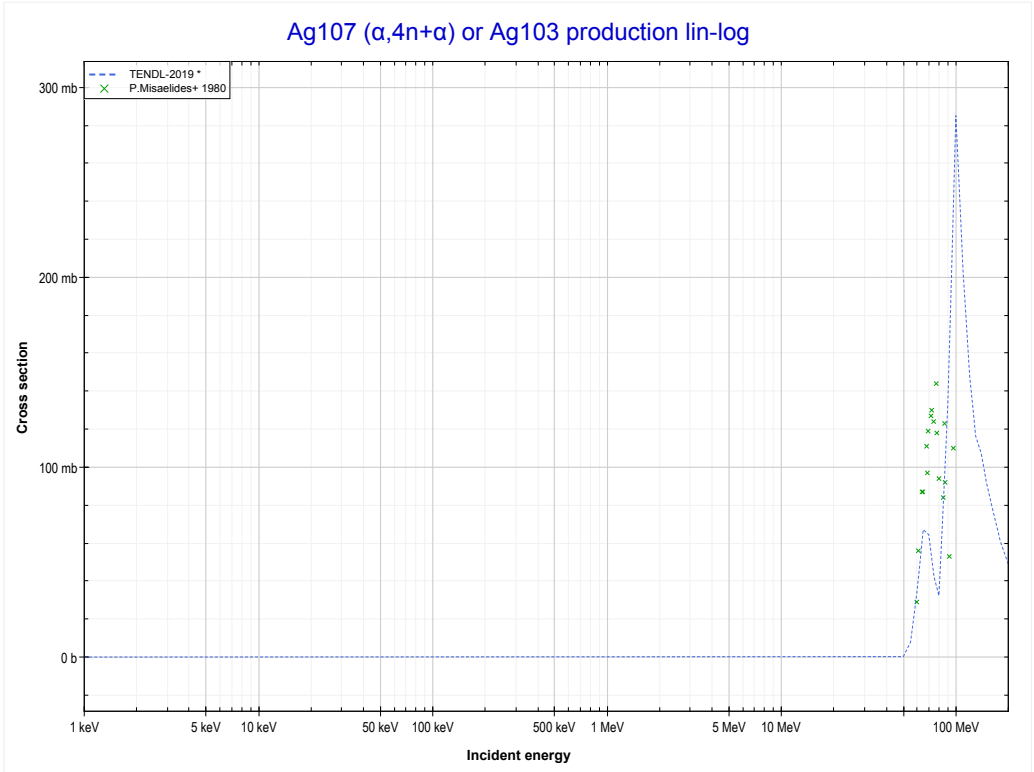
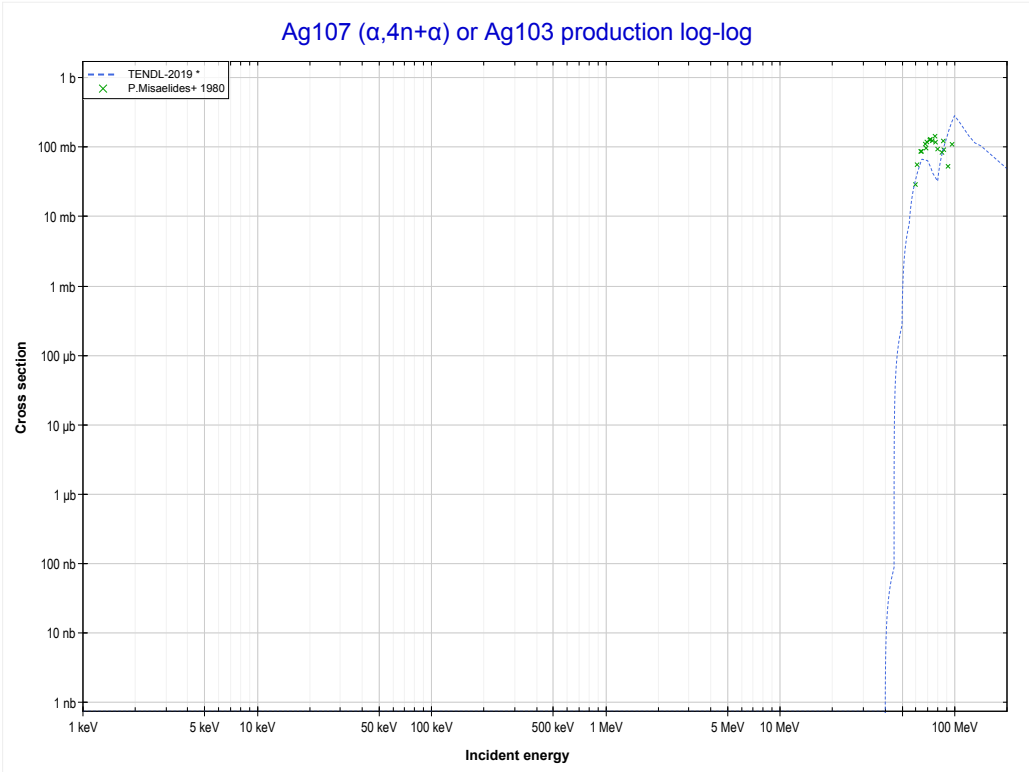
Reaction	Q-Value
Ag107(α,d)Cd109	-10613.21 keV
Ag107(α,n+p)Cd109	-12837.77 keV

<< 45-Rh-103	47-Ag-107	47-Ag-109 >>
<< MT104 (α ,d)	MT152 (α ,5n) or MT5 (In106 production)	MT165 (α ,4n+ α) >>



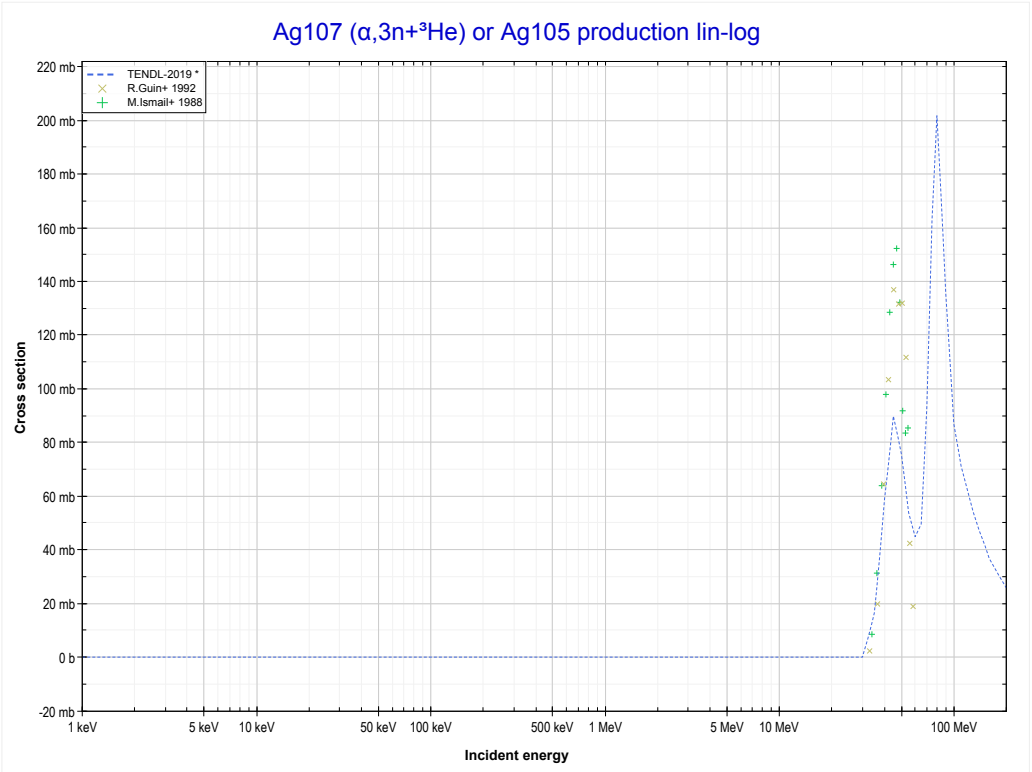
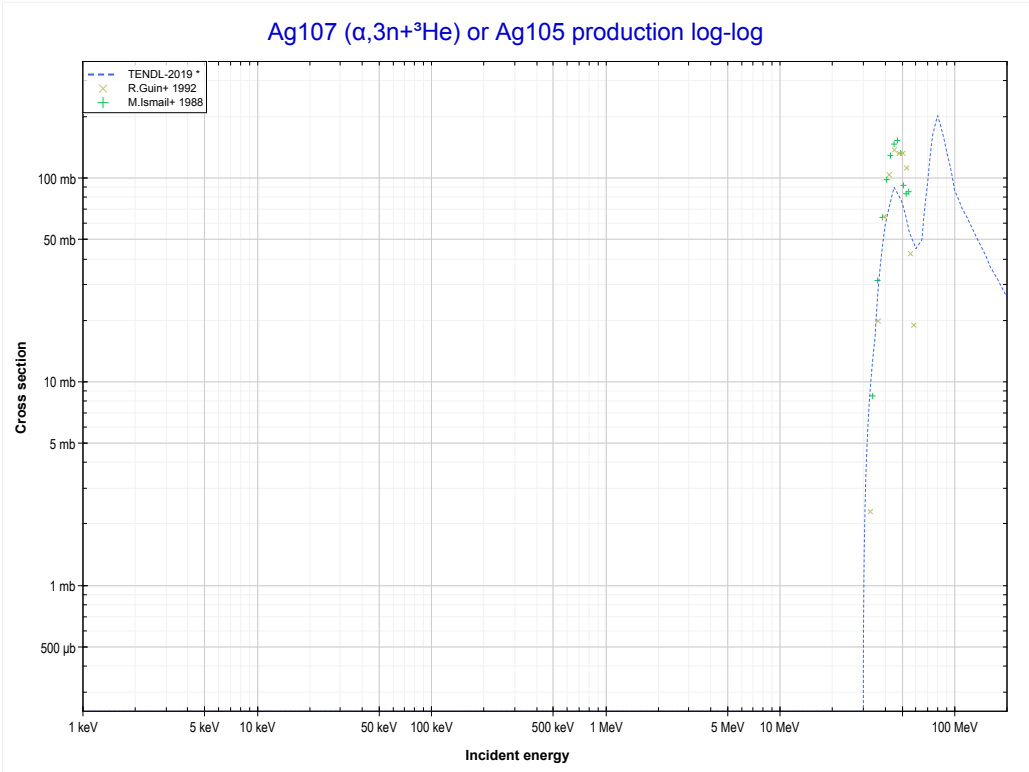
Reaction	Q-Value
Ag107(α ,5n)In106	-45730.37 keV

<< 45-Rh-103	47-Ag-107	47-Ag-109 >>
<< MT152 ($\alpha,5n$)	MT165 ($\alpha,4n+\alpha$) or MT5 (Ag103 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



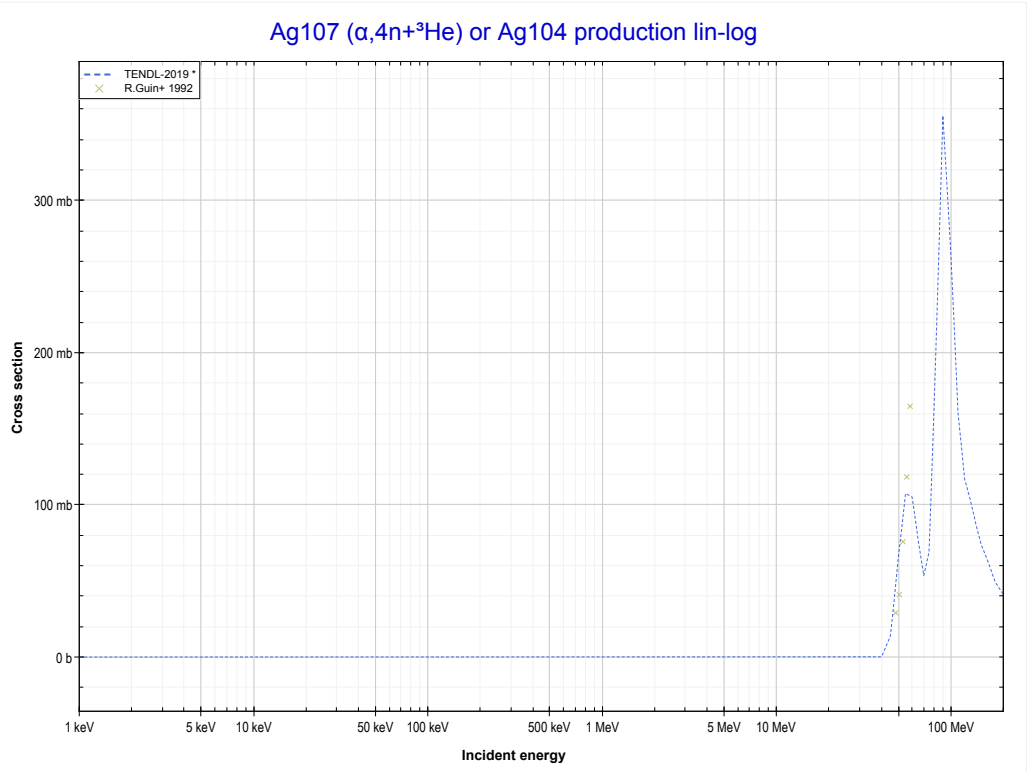
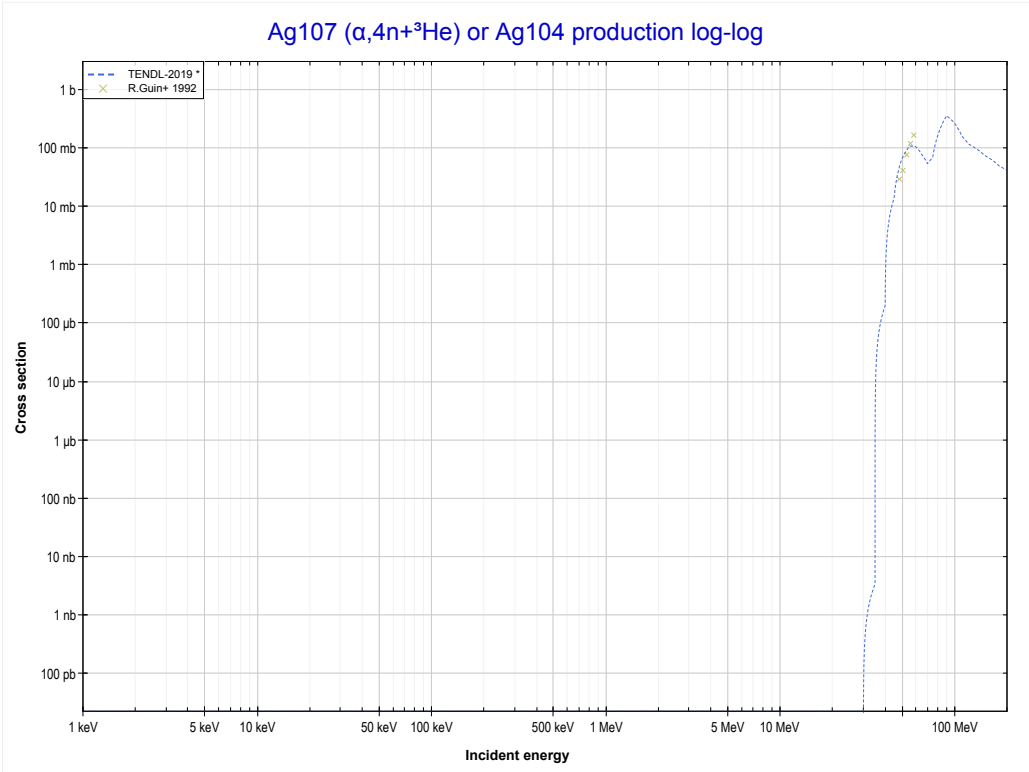
Reaction	Q-Value
Ag107($\alpha,4n+\alpha$)Ag103	-35888.97 keV
Ag107($\alpha,2n+2t$)Ag103	-47221.04 keV
Ag107($\alpha,3n+d+t$)Ag103	-53478.27 keV
Ag107($\alpha,4n+p+t$)Ag103	-55702.83 keV
Ag107($\alpha,5n+\text{He3}$)Ag103	-56466.59 keV
Ag107($\alpha,4n+2d$)Ag103	-59735.50 keV
Ag107($\alpha,5n+p+d$)Ag103	-61960.06 keV
Ag107($\alpha,6n+2p$)Ag103	-64184.63 keV

<< 42-Mo-92	47-Ag-107	53-I-127 >>
<< MT165 ($\alpha,4n+\alpha$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (Ag105 production)	MT178 ($\alpha,4n+^3\text{He}$) >>



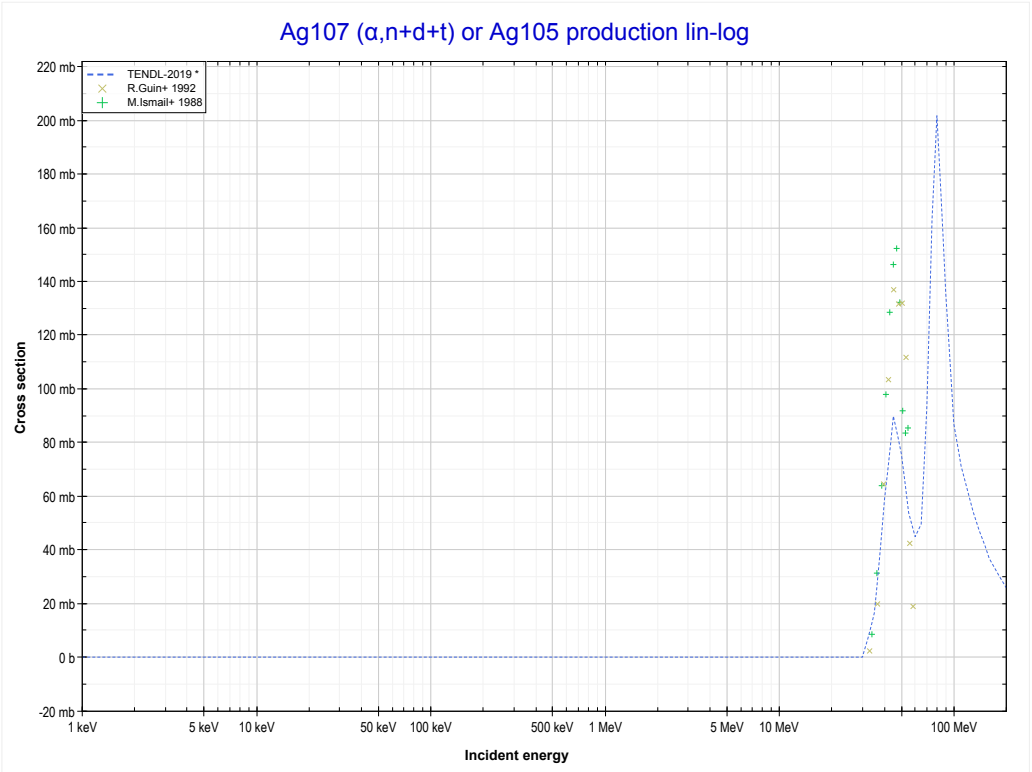
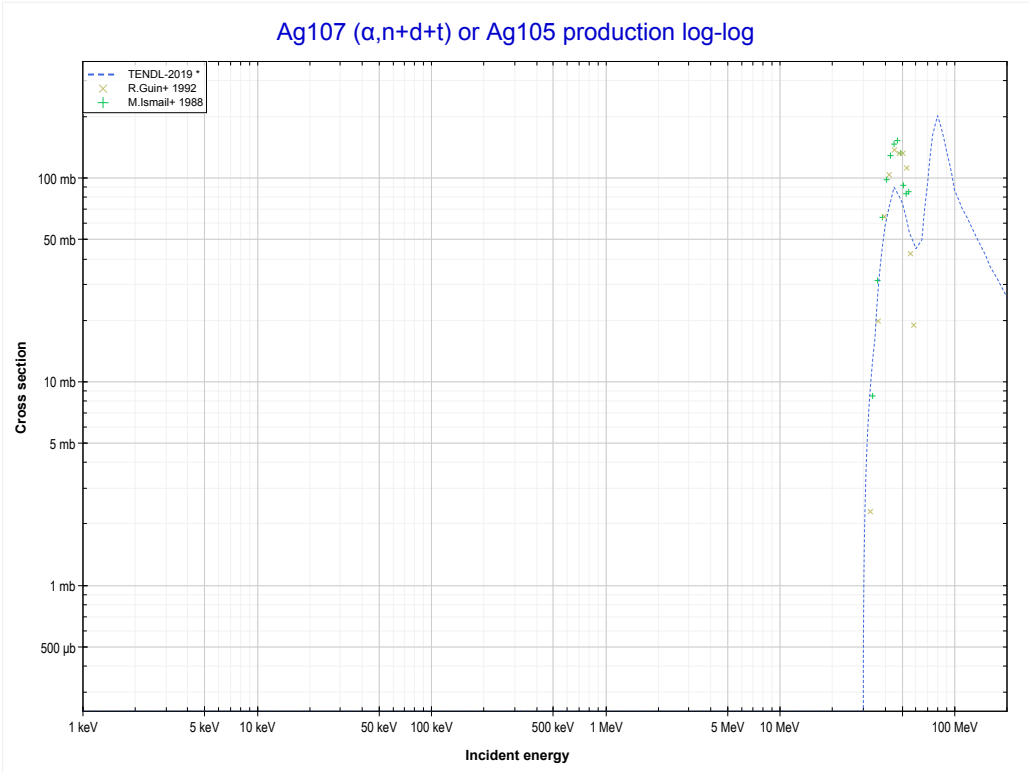
Reaction	Q-Value
Ag107($\alpha,2n+\alpha$)Ag105	-17478.33 keV
Ag107($\alpha,2t$)Ag105	-28810.40 keV
Ag107($\alpha,n+d+t$)Ag105	-35067.63 keV
Ag107($\alpha,2n+p+t$)Ag105	-37292.20 keV
Ag107($\alpha,3n+^3\text{He}$)Ag105	-38055.95 keV
Ag107($\alpha,2n+2d$)Ag105	-41324.86 keV
Ag107($\alpha,3n+p+d$)Ag105	-43549.43 keV
Ag107($\alpha,4n+2p$)Ag105	-45773.99 keV

<< 41-Nb-93	47-Ag-107	53-I-127 >>
<< MT177 ($\alpha,3n+^3\text{He}$)	MT178 ($\alpha,4n+^3\text{He}$) or MT5 (Ag104 production)	MT185 ($\alpha,n+d+t$) >>



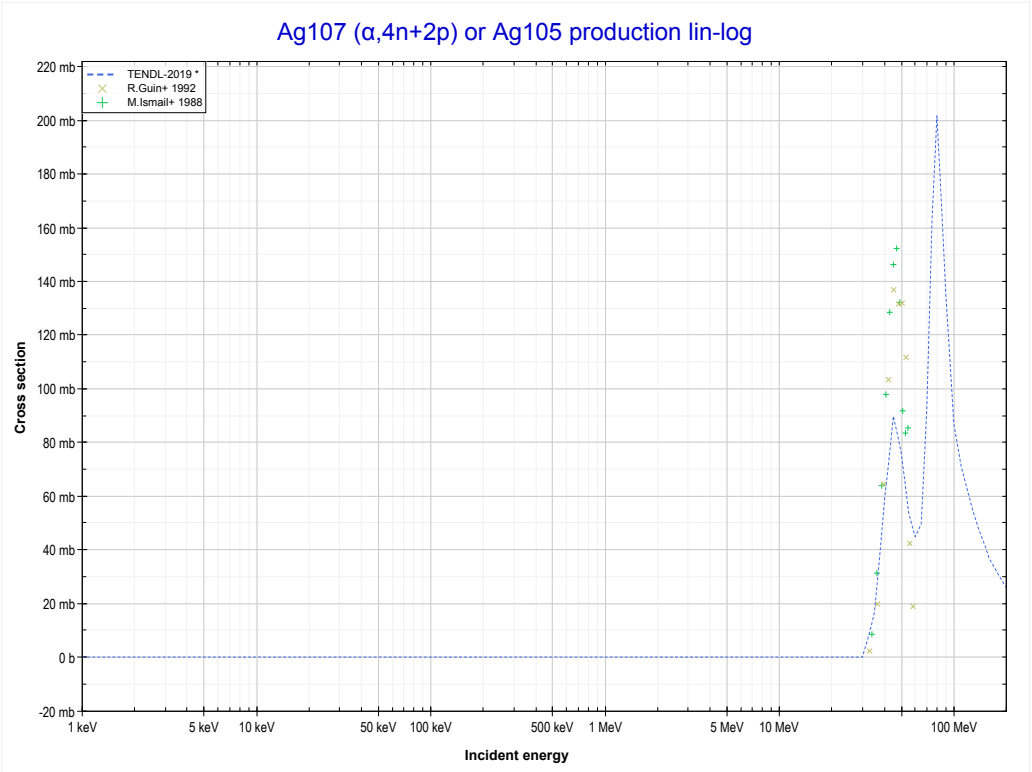
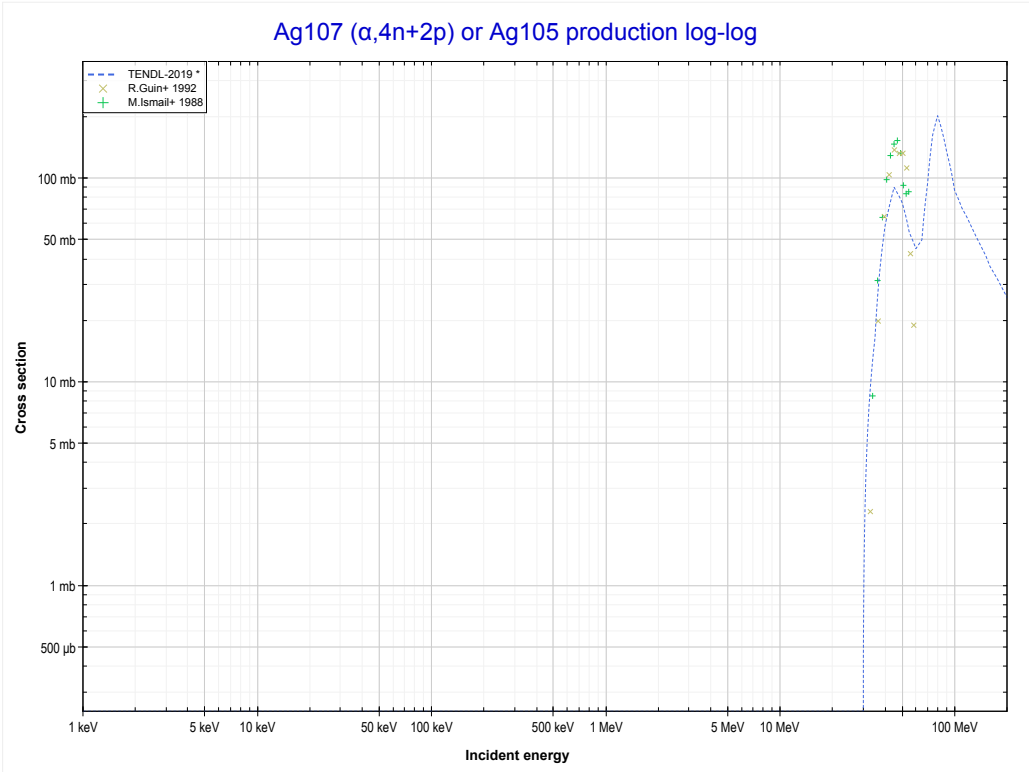
Reaction	Q-Value
Ag107($\alpha,3n+\alpha$)Ag104	-27504.65 keV
Ag107($\alpha,n+2t$)Ag104	-38836.72 keV
Ag107($\alpha,2n+d+t$)Ag104	-45093.95 keV
Ag107($\alpha,3n+p+t$)Ag104	-47318.52 keV
Ag107($\alpha,4n+\text{He3}$)Ag104	-48082.27 keV
Ag107($\alpha,3n+2d$)Ag104	-51351.18 keV
Ag107($\alpha,4n+p+d$)Ag104	-53575.75 keV
Ag107($\alpha,5n+2p$)Ag104	-55800.31 keV

<< 42-Mo-92	47-Ag-107	53-I-127 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT185 ($\alpha,n+d+t$) or MT5 (Ag105 production)	MT194 ($\alpha,4n+2p$) >>



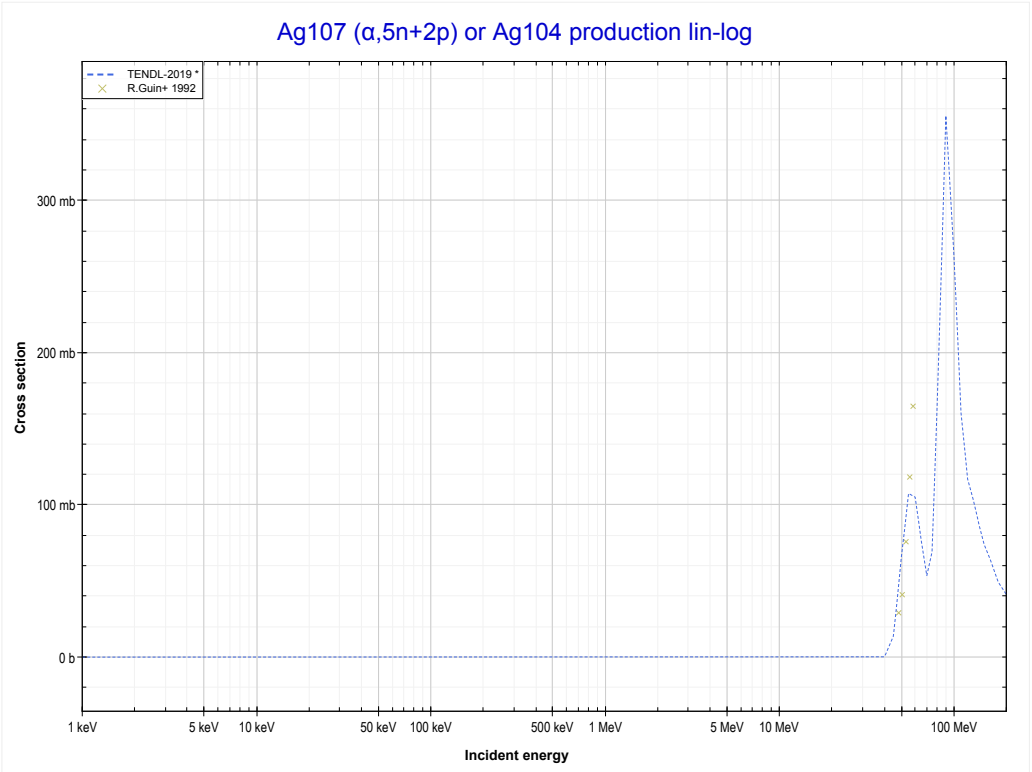
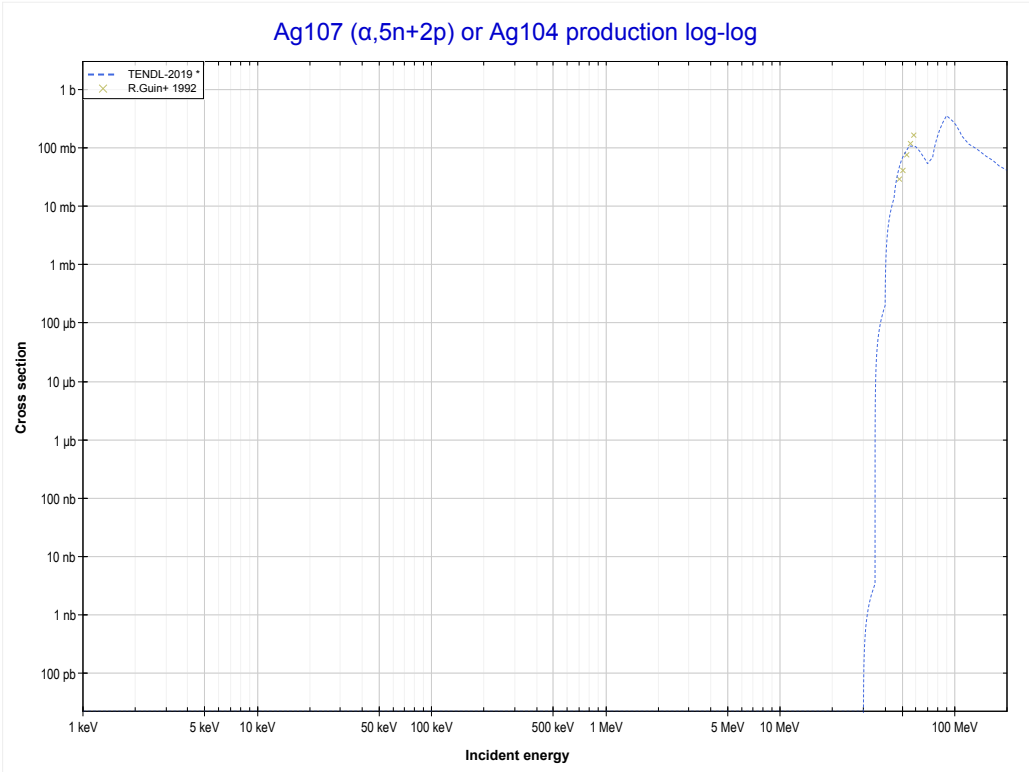
Reaction	Q-Value
Ag107($\alpha,2n+\alpha$)Ag105	-17478.33 keV
Ag107($\alpha,2t$)Ag105	-28810.40 keV
Ag107($\alpha,n+d+t$)Ag105	-35067.63 keV
Ag107($\alpha,2n+p+t$)Ag105	-37292.20 keV
Ag107($\alpha,3n+\text{He3}$)Ag105	-38055.95 keV
Ag107($\alpha,2n+2d$)Ag105	-41324.86 keV
Ag107($\alpha,3n+p+d$)Ag105	-43549.43 keV
Ag107($\alpha,4n+2p$)Ag105	-45773.99 keV

<< 42-Mo-92	47-Ag-107	53-I-127 >>
<< MT185 (α,n+d+t)	MT194 (α,4n+2p) or MT5 (Ag105 production)	MT200 (α,5n+2p) >>



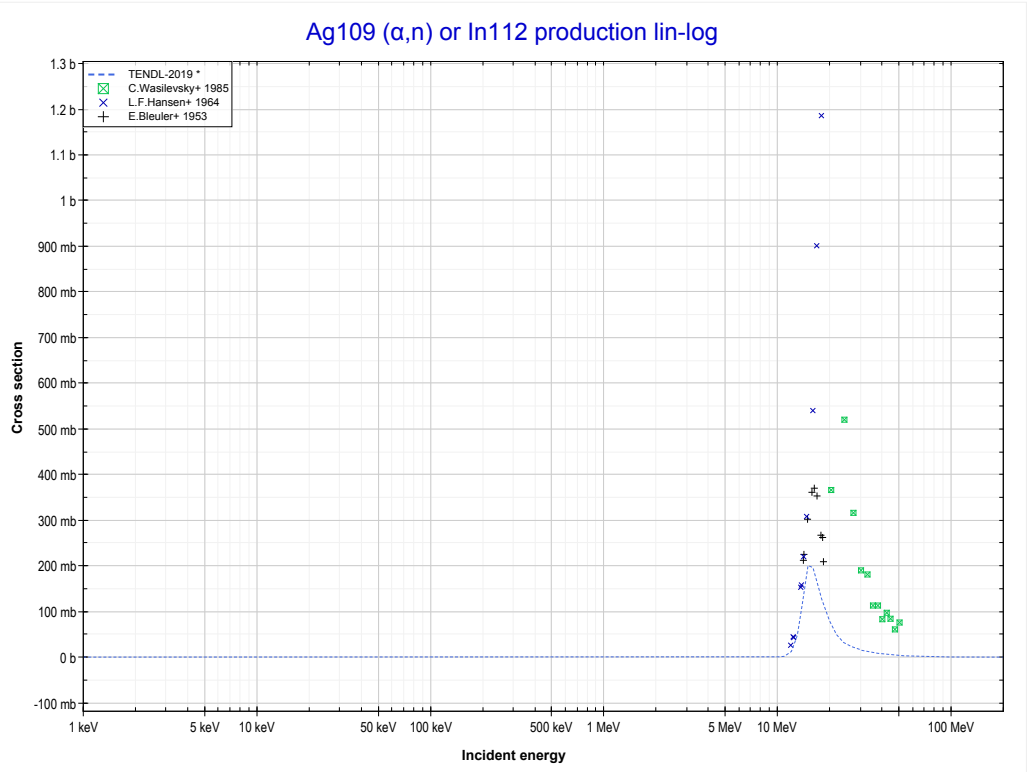
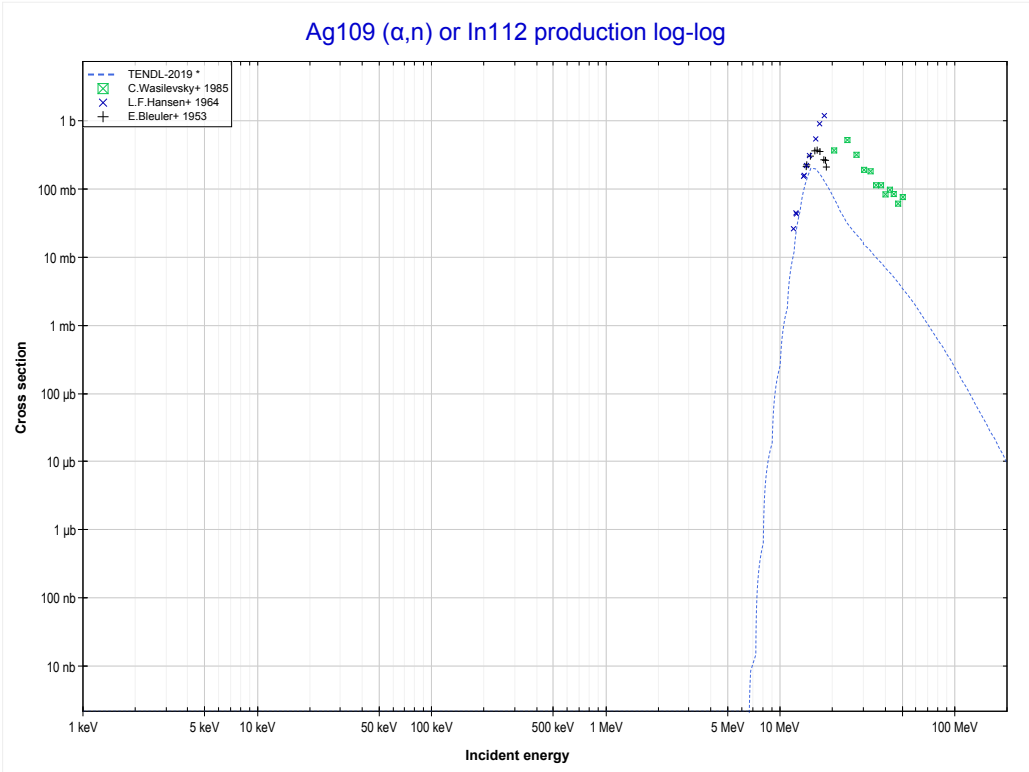
Reaction	Q-Value
Ag107(α,2n+α)Ag105	-17478.33 keV
Ag107(α,2t)Ag105	-28810.40 keV
Ag107(α,n+d+t)Ag105	-35067.63 keV
Ag107(α,2n+p+t)Ag105	-37292.20 keV
Ag107(α,3n+He3)Ag105	-38055.95 keV
Ag107(α,2n+2d)Ag105	-41324.86 keV
Ag107(α,3n+p+d)Ag105	-43549.43 keV
Ag107(α,4n+2p)Ag105	-45773.99 keV

<< 41-Nb-93	47-Ag-107	53-I-127 >>
<< MT194 ($\alpha,4n+2p$)	MT200 ($\alpha,5n+2p$) or MT5 (Ag104 production)	47-Ag-109 MT4 (α,n) >>



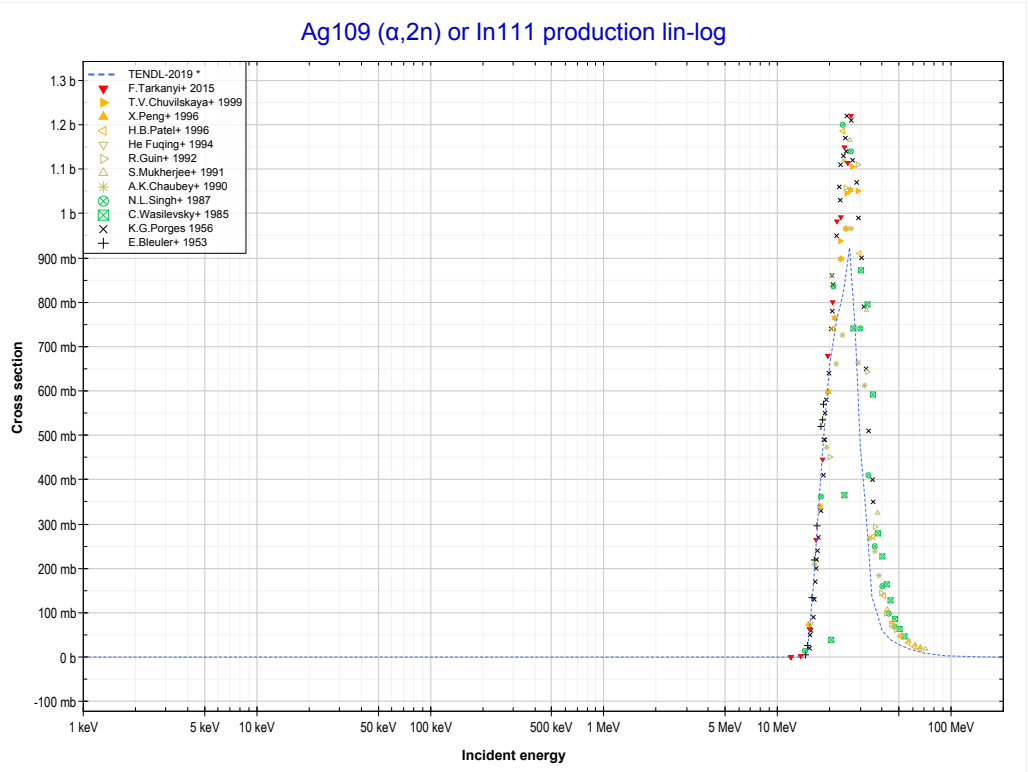
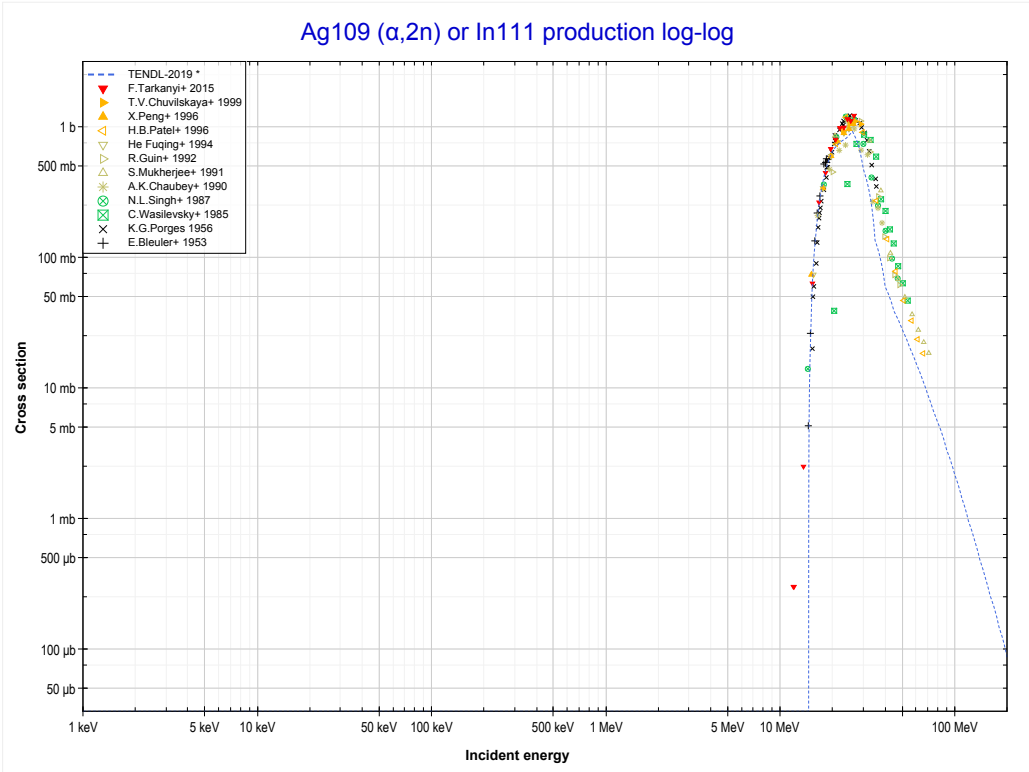
Reaction	Q-Value
Ag107($\alpha,3n+\alpha$)Ag104	-27504.65 keV
Ag107($\alpha,n+2t$)Ag104	-38836.72 keV
Ag107($\alpha,2n+d+t$)Ag104	-45093.95 keV
Ag107($\alpha,3n+p+t$)Ag104	-47318.52 keV
Ag107($\alpha,4n+He3$)Ag104	-48082.27 keV
Ag107($\alpha,3n+2d$)Ag104	-51351.18 keV
Ag107($\alpha,4n+p+d$)Ag104	-53575.75 keV
Ag107($\alpha,5n+2p$)Ag104	-55800.31 keV

<< 47-Ag-107	47-Ag-109	48-Cd-106 >>
<< 47-Ag-107 MT200 ($\alpha,5n+2p$)	MT4 (α,n) or MT5 (In112 production)	MT16 ($\alpha,2n$) >>



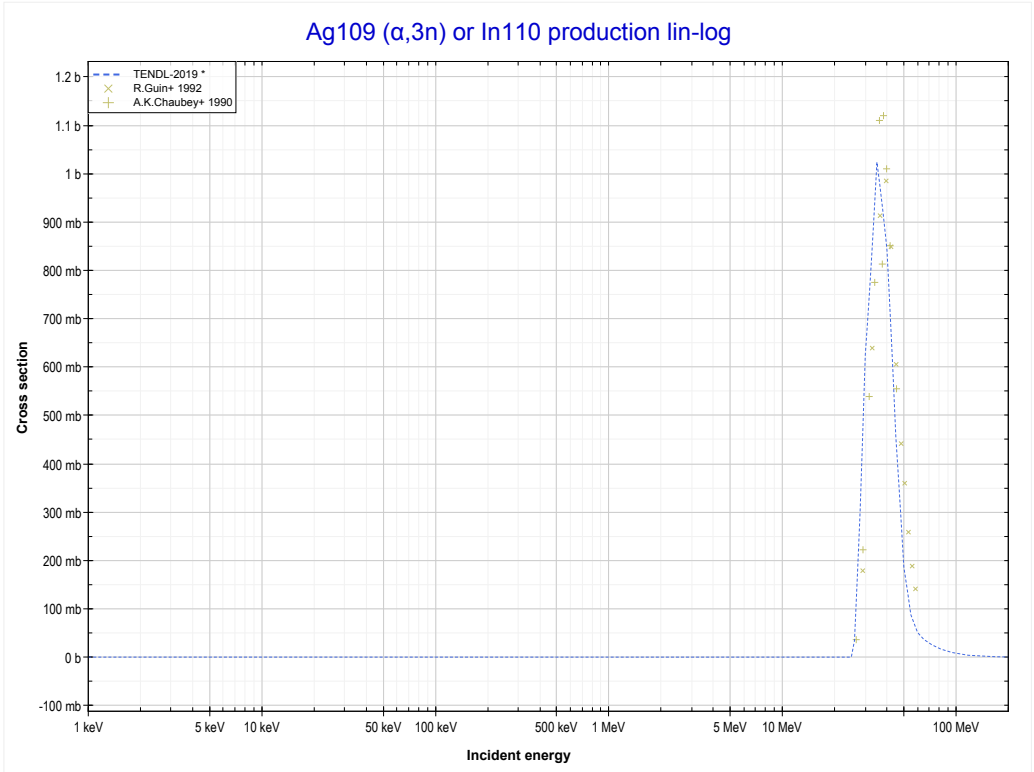
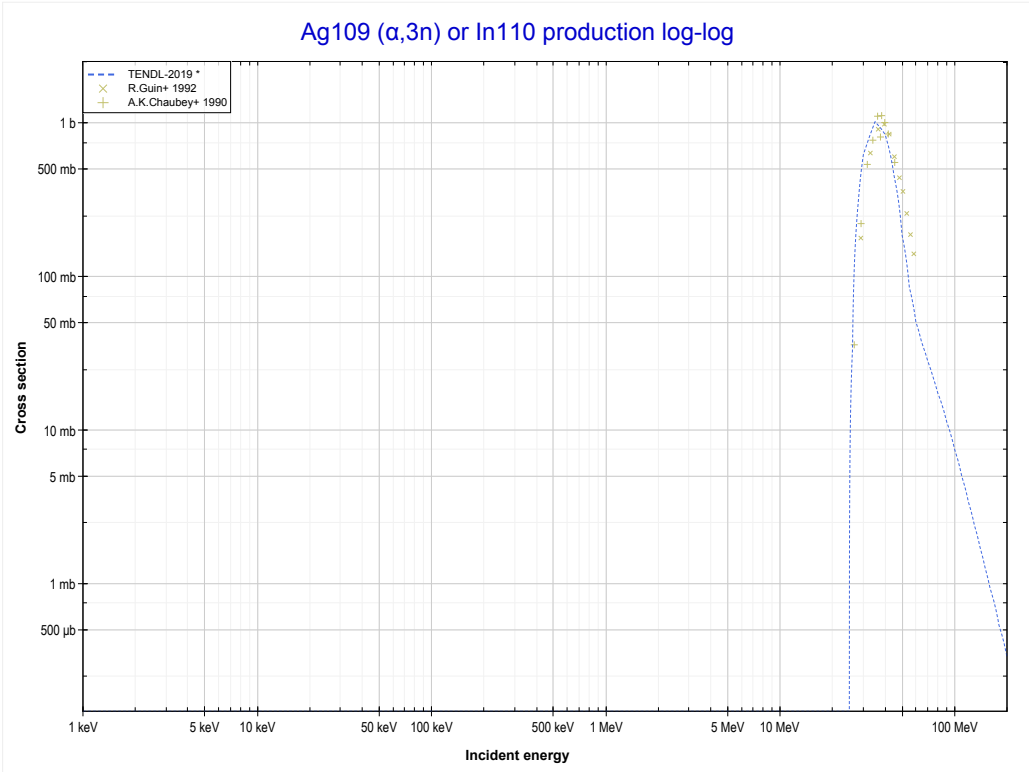
Reaction	Q-Value
Ag109(α,n)In112	-6375.80 keV

<< 47-Ag-107	47-Ag-109	48-Cd-106 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (In111 production)	MT17 (α,3n) >>



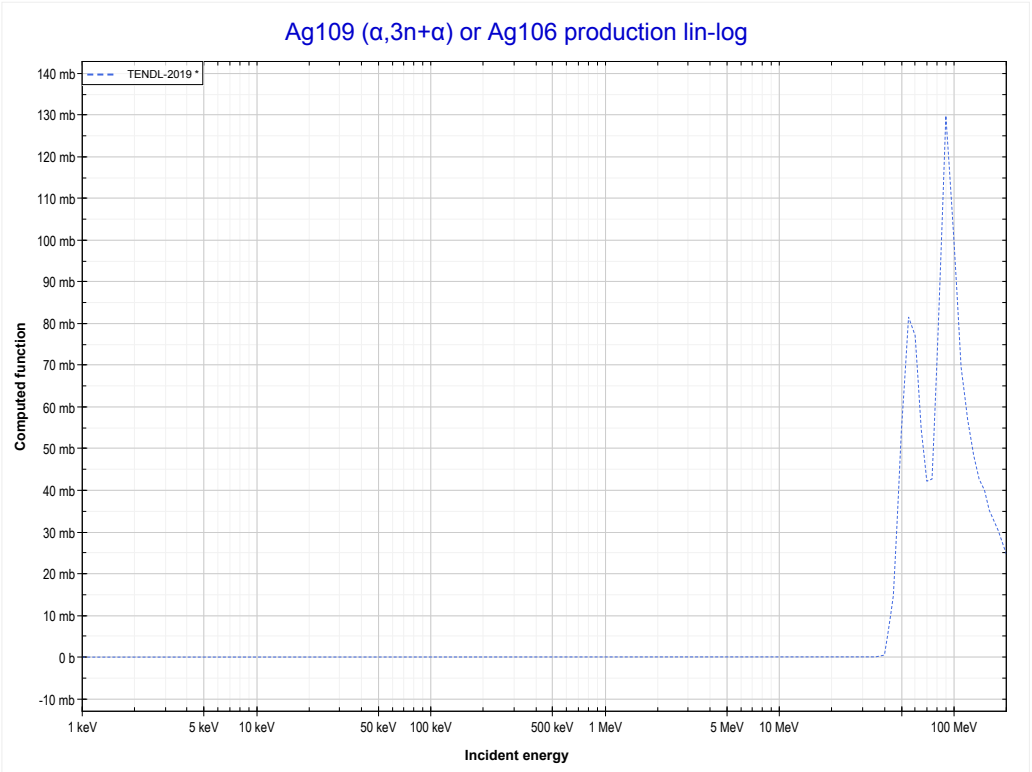
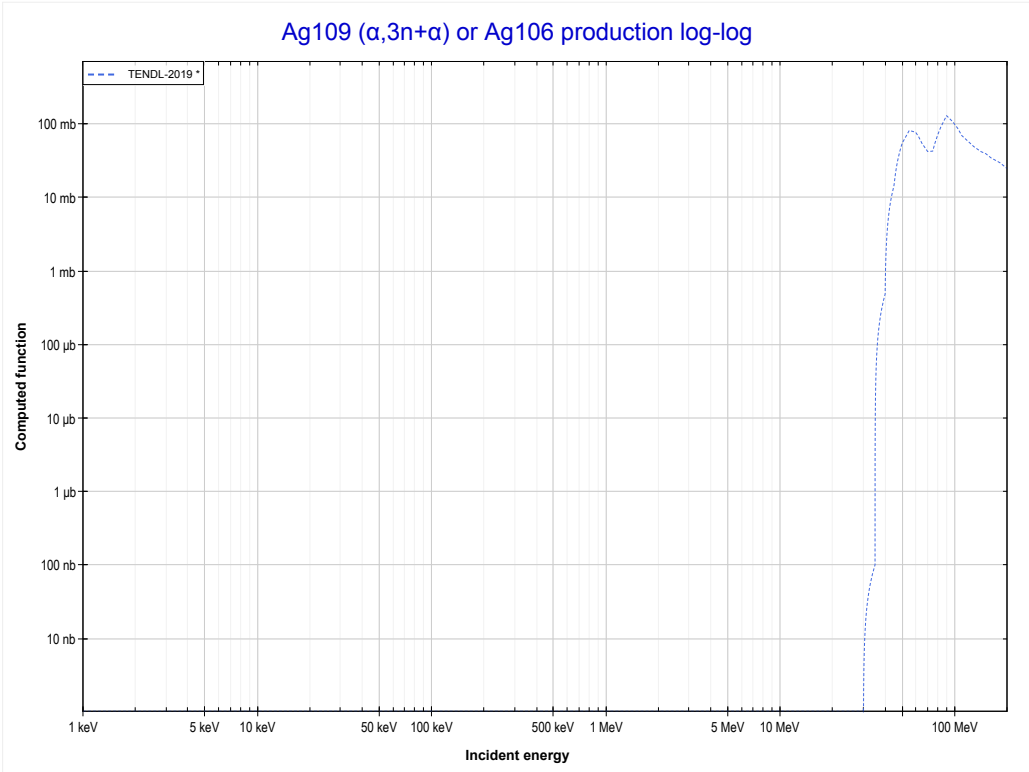
Reaction	Q-Value
Ag109(α,2n)In111	-14045.12 keV

<< 47-Ag-107	47-Ag-109	48-Cd-114 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (In110 production)	MT25 ($\alpha,3n+\alpha$) >>



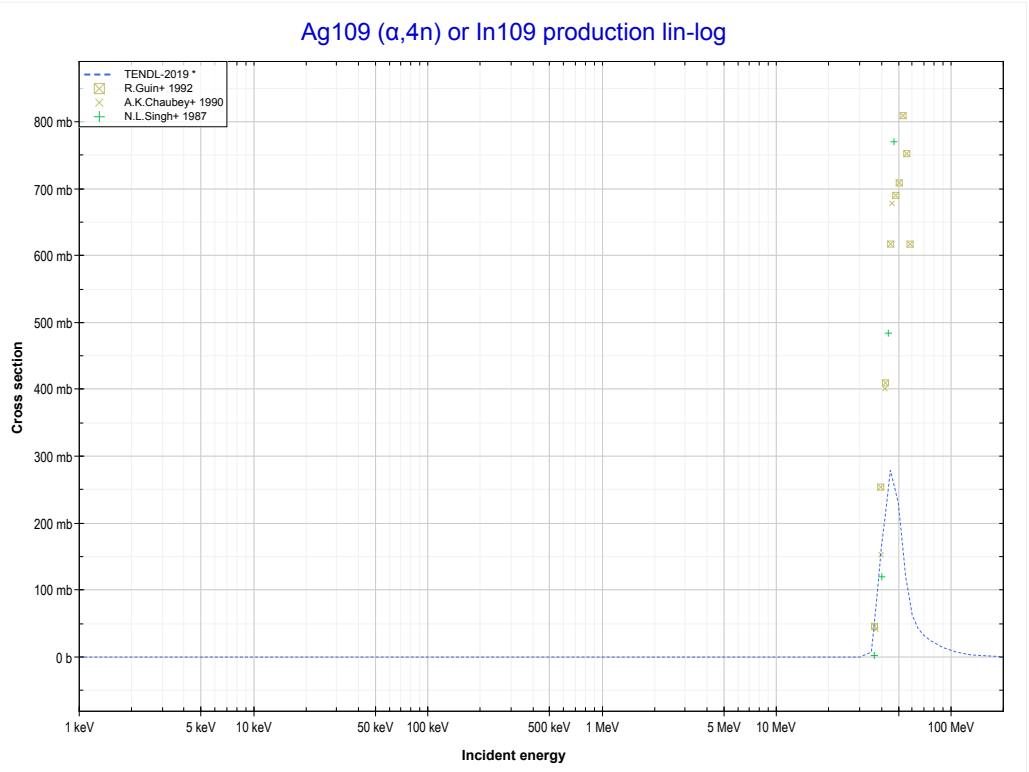
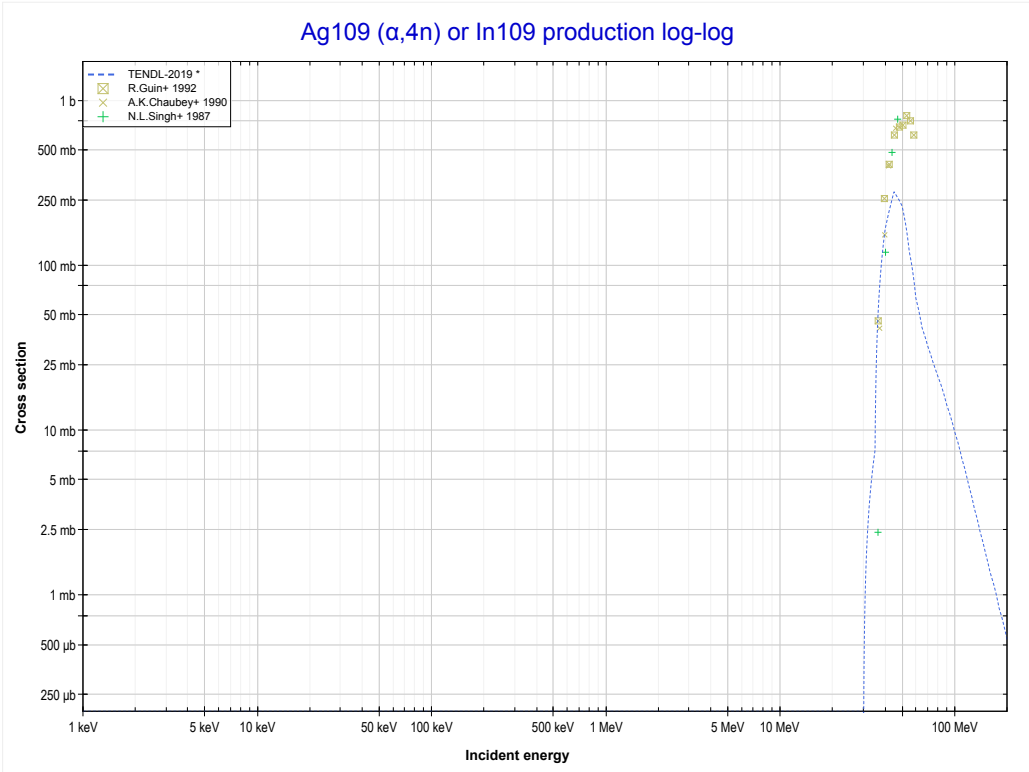
Reaction	Q-Value
Ag109($\alpha,3n$)In110	-24038.44 keV

<< 47-Ag-107	47-Ag-109	53-I-127 >>
<< MT17 ($\alpha,3n$)	MT25 ($\alpha,3n+\alpha$) or MT5 (Ag106 production)	MT37 ($\alpha,4n$) >>



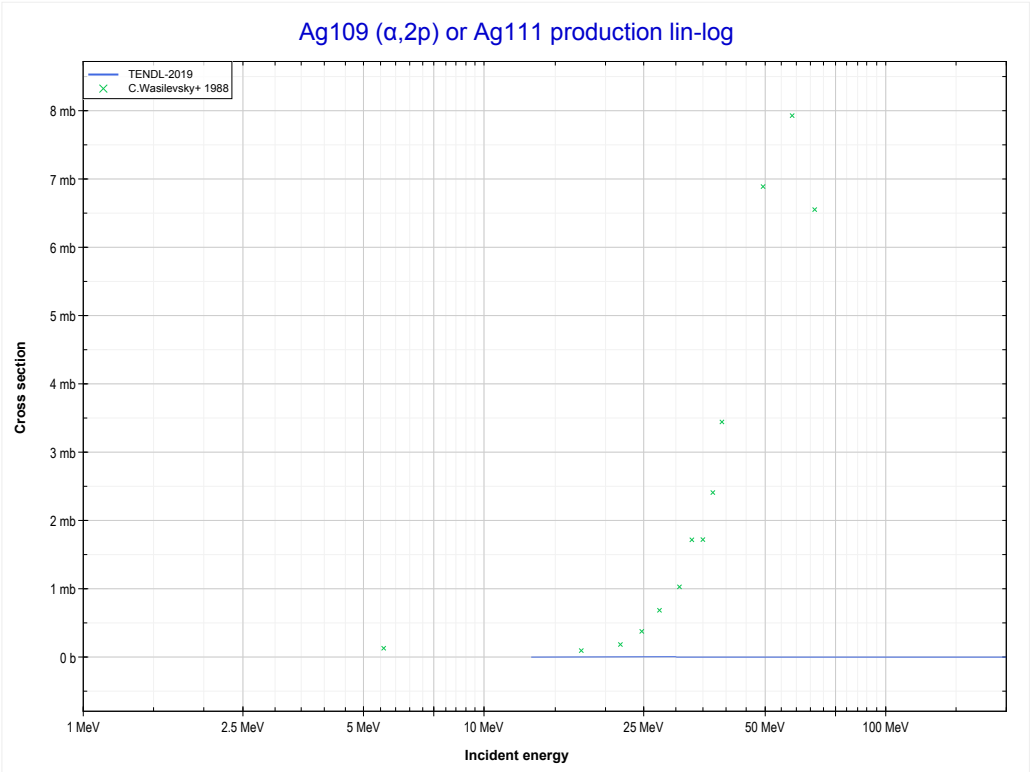
Reaction	Q-Value
Ag109($\alpha,3n+\alpha$)Ag106	-25991.35 keV
Ag109($\alpha,n+2t$)Ag106	-37323.42 keV
Ag109($\alpha,2n+d+t$)Ag106	-43580.65 keV
Ag109($\alpha,3n+p+t$)Ag106	-45805.22 keV
Ag109($\alpha,4n+He3$)Ag106	-46568.97 keV
Ag109($\alpha,3n+2d$)Ag106	-49837.88 keV
Ag109($\alpha,4n+p+d$)Ag106	-52062.45 keV
Ag109($\alpha,5n+2p$)Ag106	-54287.01 keV

<< 47-Ag-107	47-Ag-109	48-Cd-114 >>
<< MT25 ($\alpha,3n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (In109 production)	MT111 ($\alpha,2p$) >>



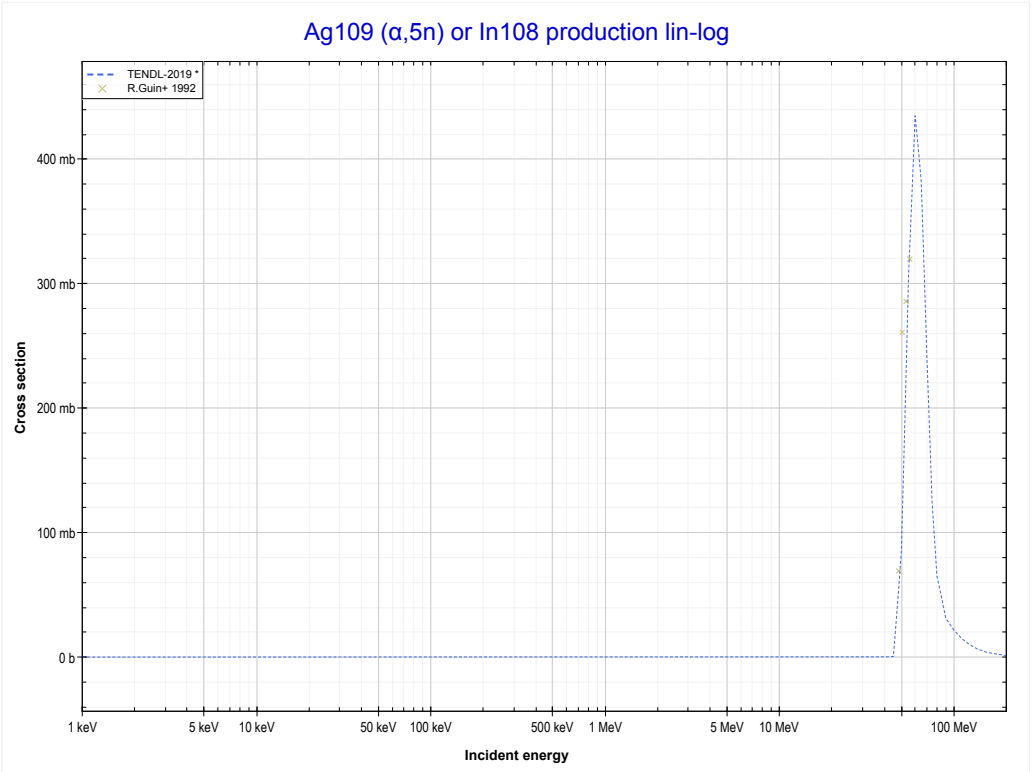
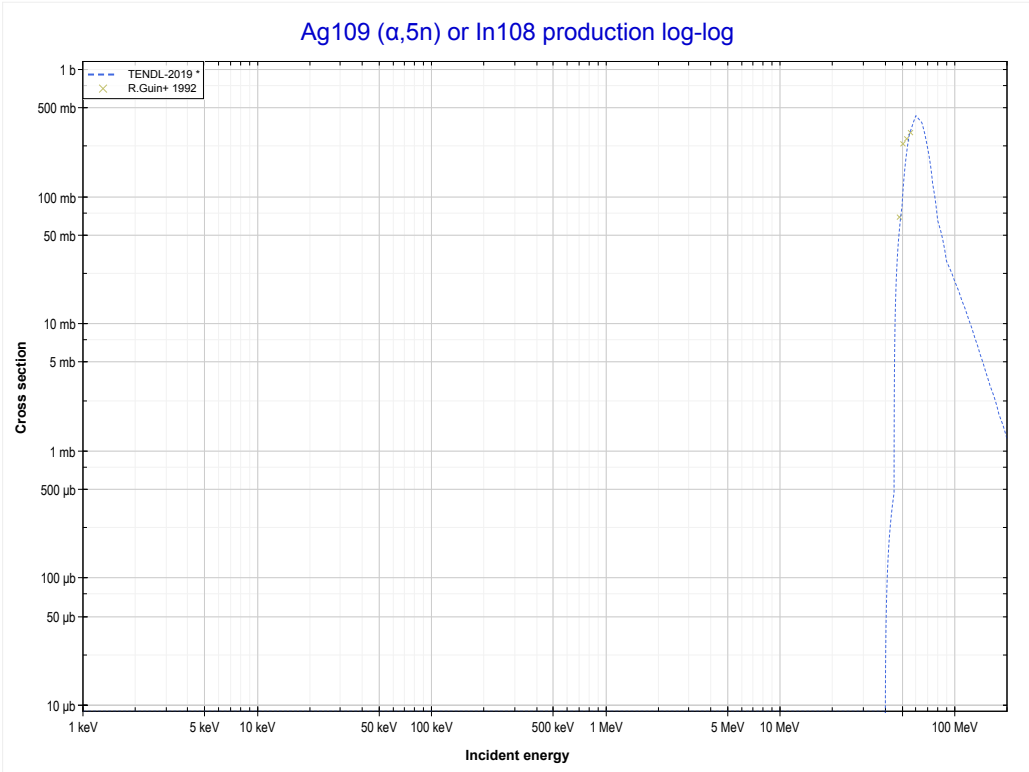
Reaction	Q-Value
Ag109($\alpha,4n$)In109	-32089.75 keV

<< 41-Nb-93	47-Ag-109	49-In-115 >>
<< MT37 ($\alpha,4n$)	MT111 ($\alpha,2p$) or MT5 (Ag111 production)	MT152 ($\alpha,5n$) >>



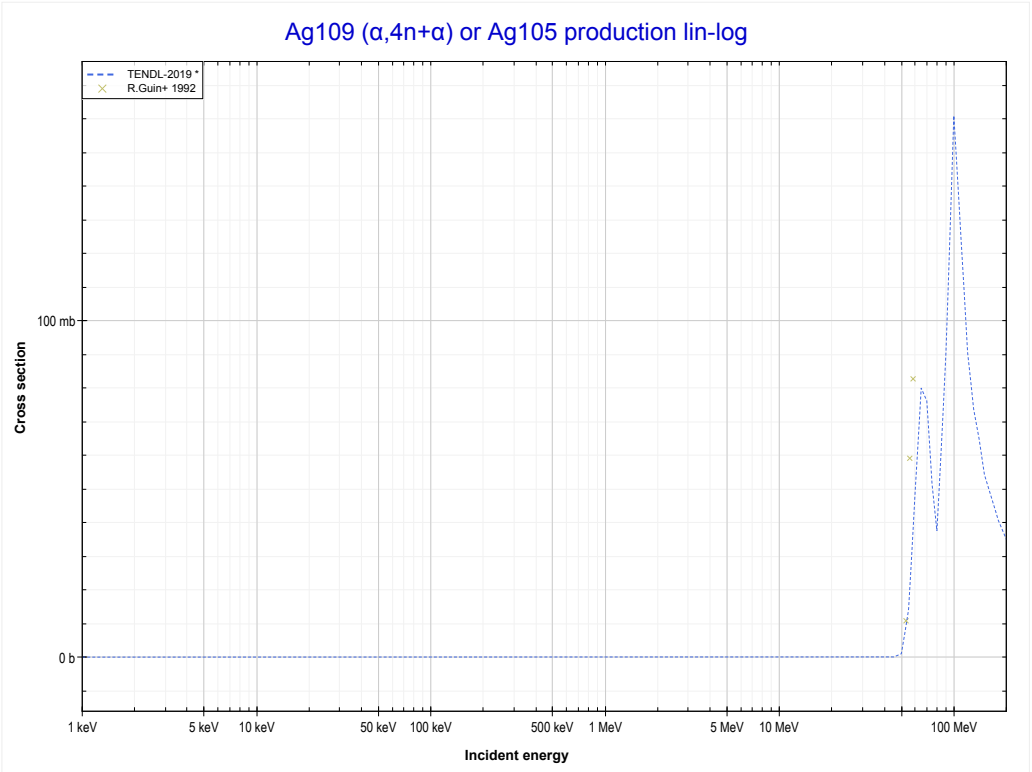
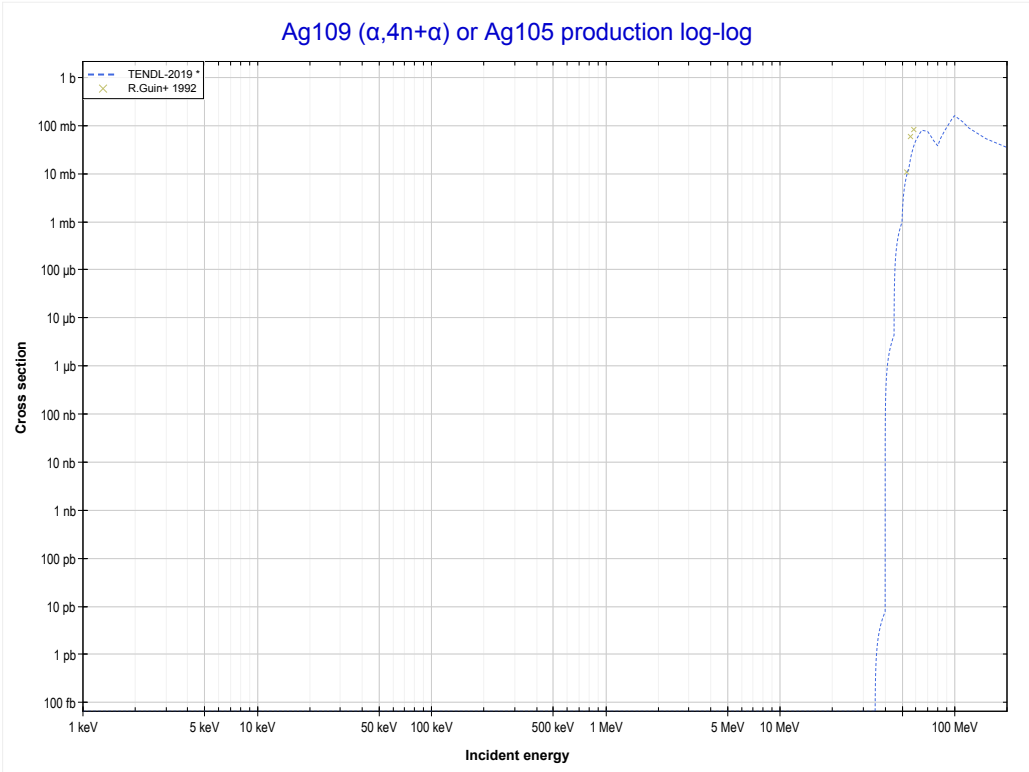
Reaction	Q-Value
Ag109($\alpha,2p$)Ag111	-12657.03 keV

<< 47-Ag-107	47-Ag-109	48-Cd-114 >>
<< MT111 ($\alpha,2p$)	MT152 ($\alpha,5n$) or MT5 (In108 production)	MT165 ($\alpha,4n+\alpha$) >>



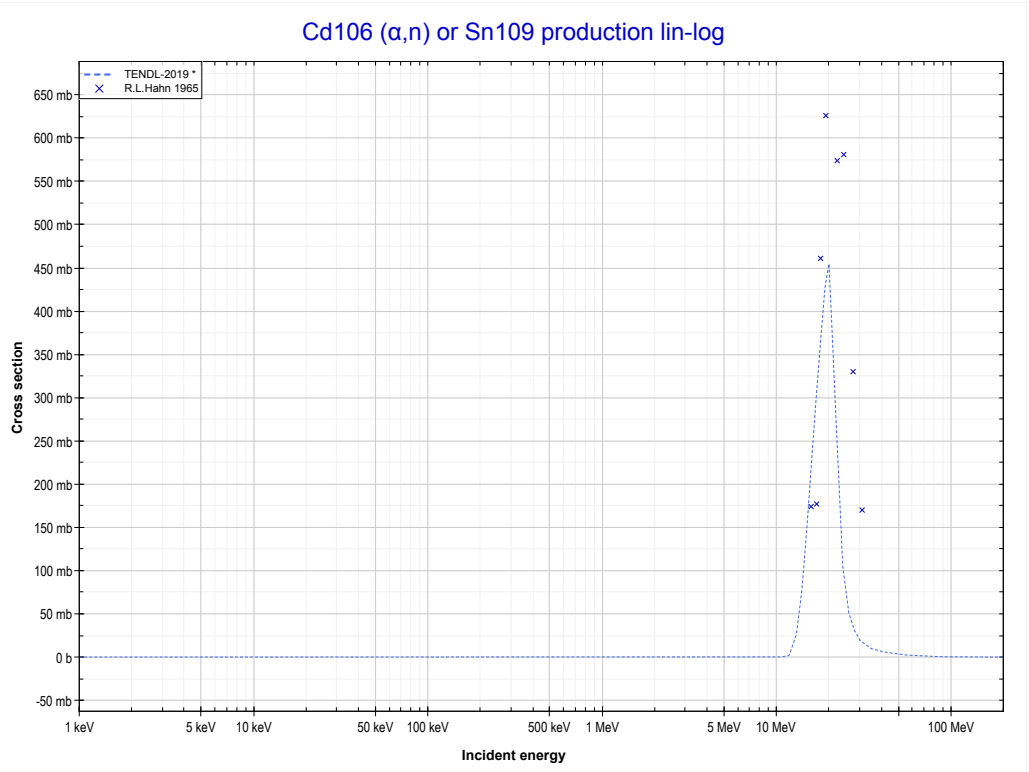
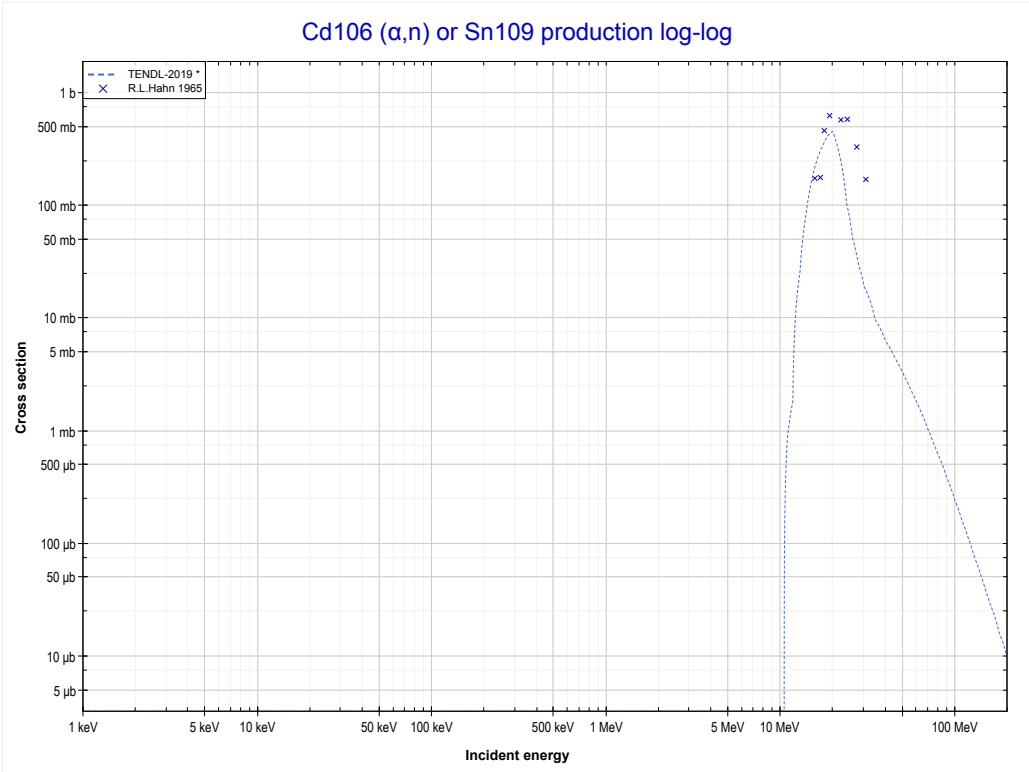
Reaction	Q-Value
Ag109($\alpha,5n$)In108	-42531.07 keV

<< 47-Ag-107	47-Ag-109	53-I-127 >>
<< MT152 (α,5n)	MT165 (α,4n+α) or MT5 (Ag105 production)	48-Cd-106 MT4 (α,n) >>



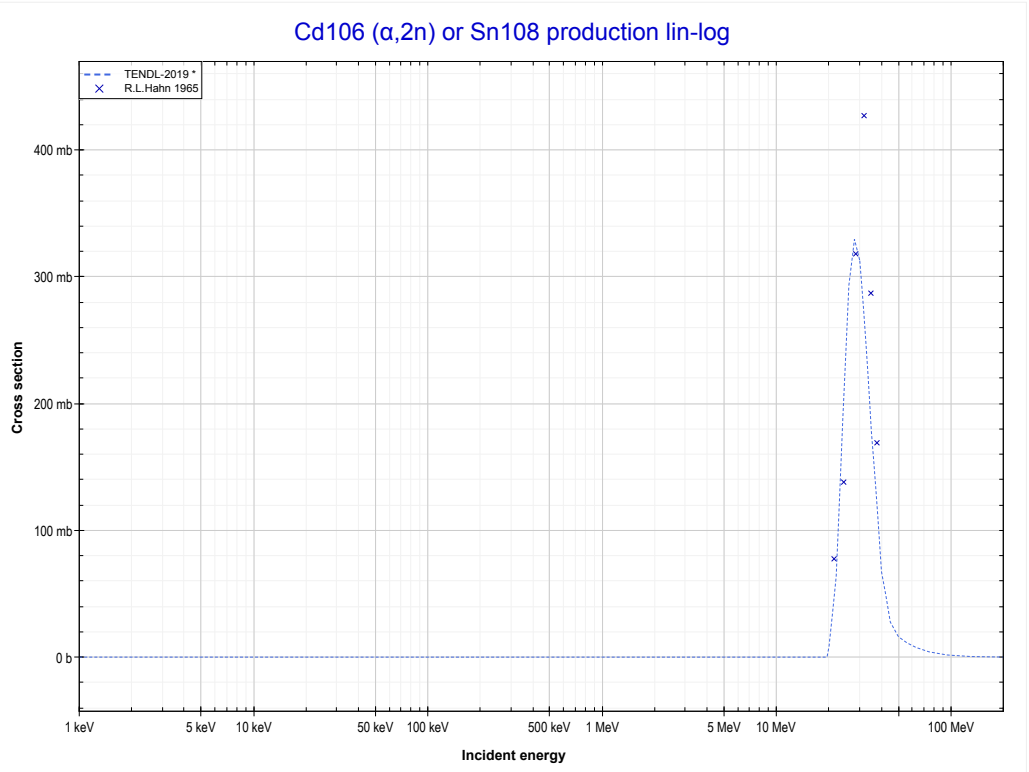
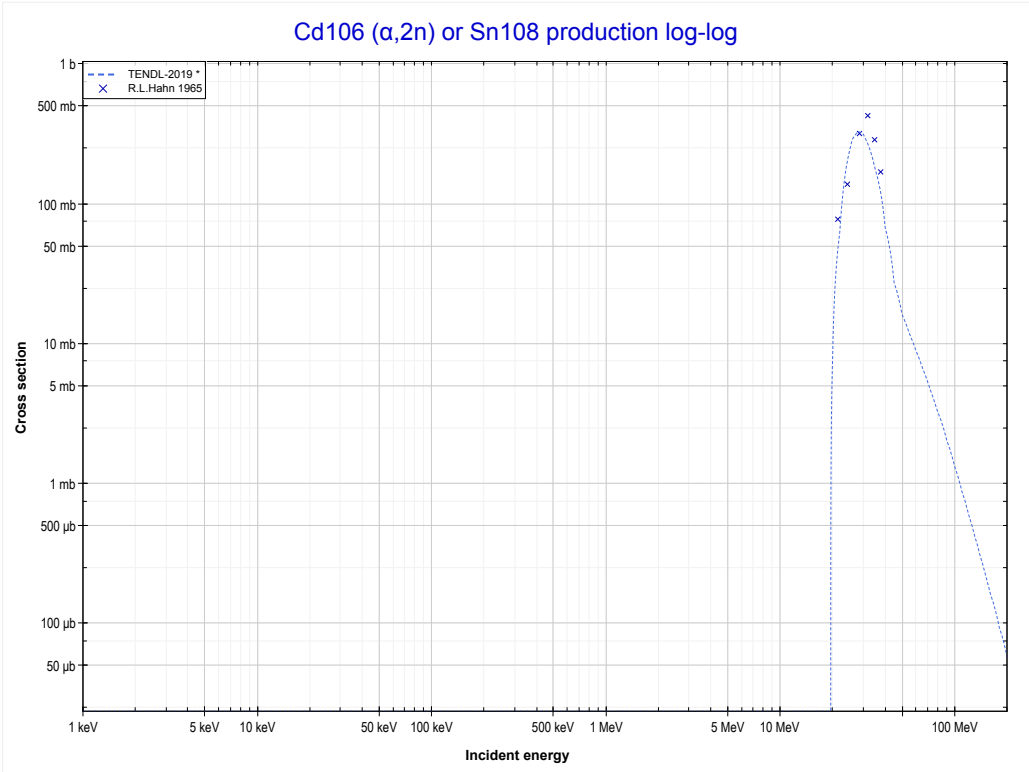
Reaction	Q-Value
Ag109(α,4n+α)Ag105	-33933.67 keV
Ag109(α,2n+2t)Ag105	-45265.74 keV
Ag109(α,3n+d+t)Ag105	-51522.97 keV
Ag109(α,4n+p+t)Ag105	-53747.53 keV
Ag109(α,5n+He3)Ag105	-54511.29 keV
Ag109(α,4n+2d)Ag105	-57780.20 keV
Ag109(α,5n+p+d)Ag105	-60004.76 keV
Ag109(α,6n+2p)Ag105	-62229.33 keV

<< 47-Ag-109	48-Cd-106	48-Cd-114 >>
<< 47-Ag-109 MT165 ($\alpha,4n+\alpha$)	MT4 (α,n) or MT5 (Sn109 production)	MT16 ($\alpha,2n$) >>



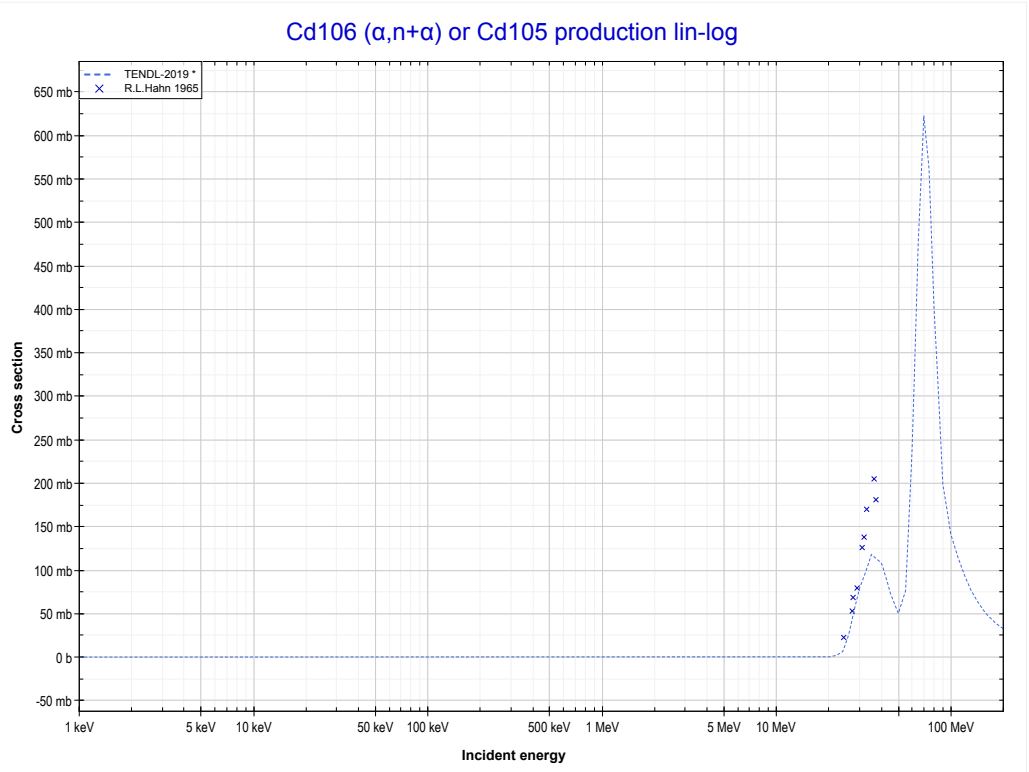
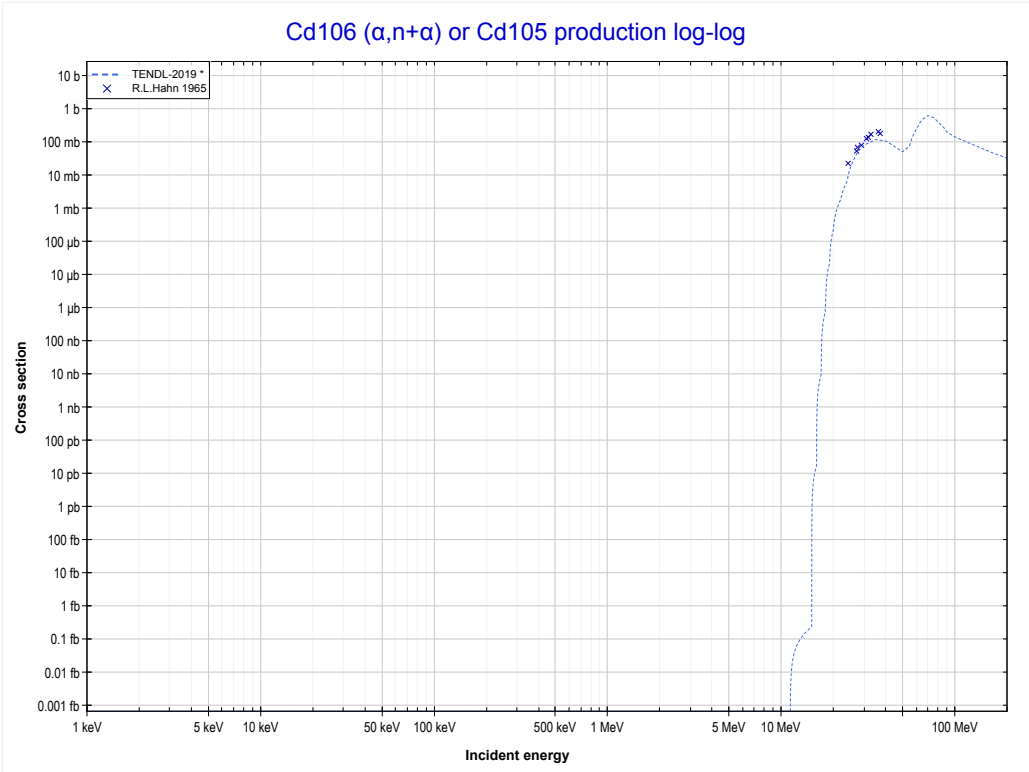
Reaction	Q-Value
Cd106(α,n)Sn109	-10148.50 keV

<< 47-Ag-109	48-Cd-106	48-Cd-114 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Sn108 production)	MT22 (α,n+α) >>



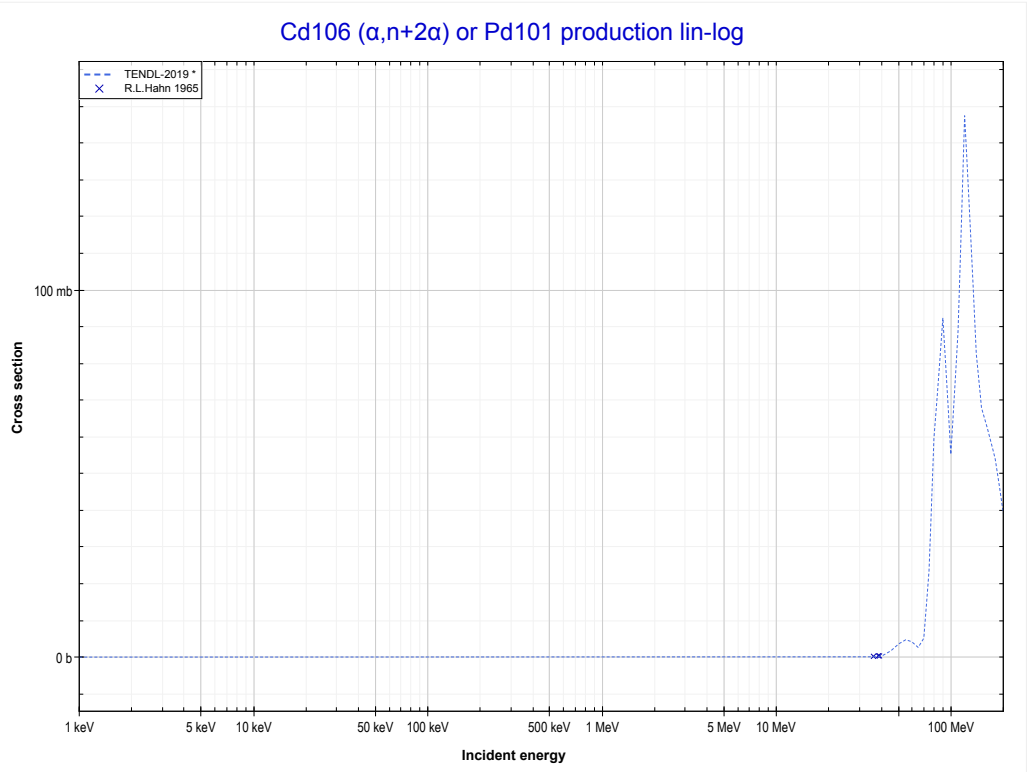
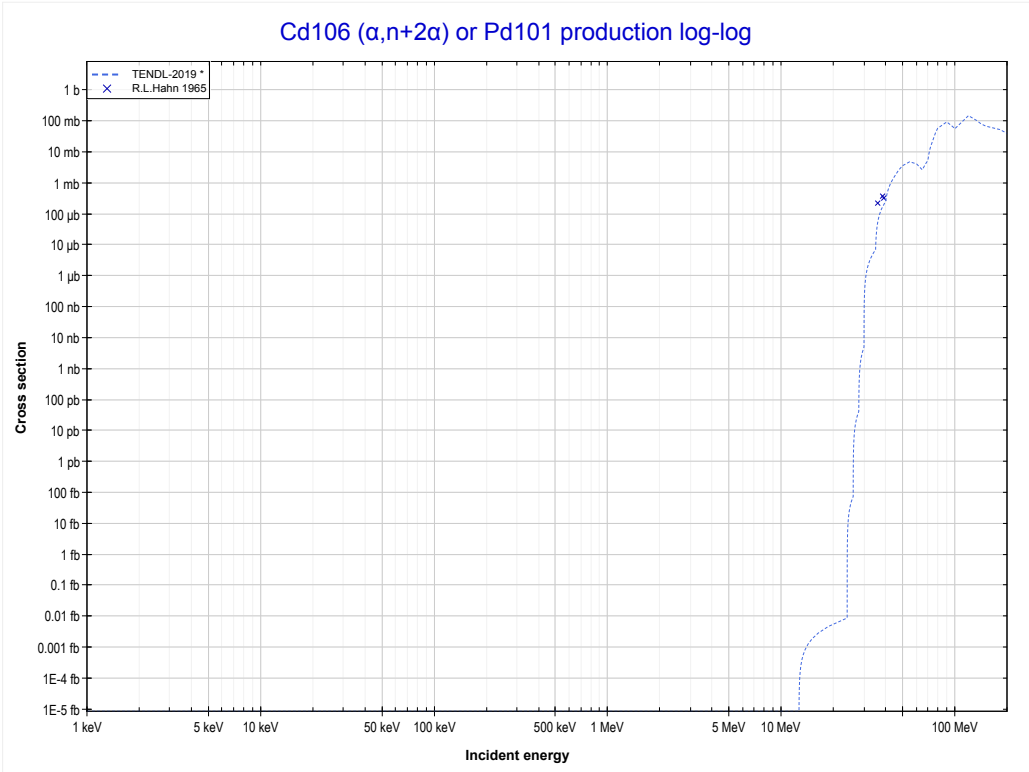
Reaction	Q-Value
Cd106(α,2n)Sn108	-18779.82 keV

<< 45-Rh-103	48-Cd-106	48-Cd-116 >>
<< MT16 ($\alpha,2n$)	MT22 ($\alpha,n+\alpha$) or MT5 (Cd105 production)	MT29 ($\alpha,n+2\alpha$) >>



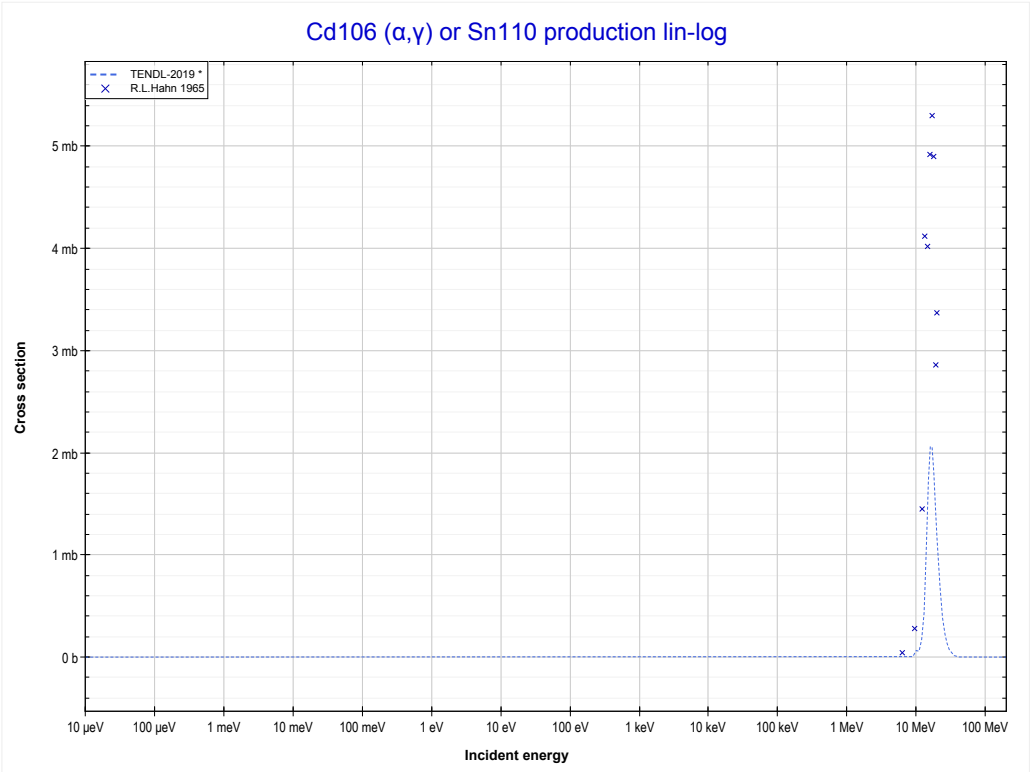
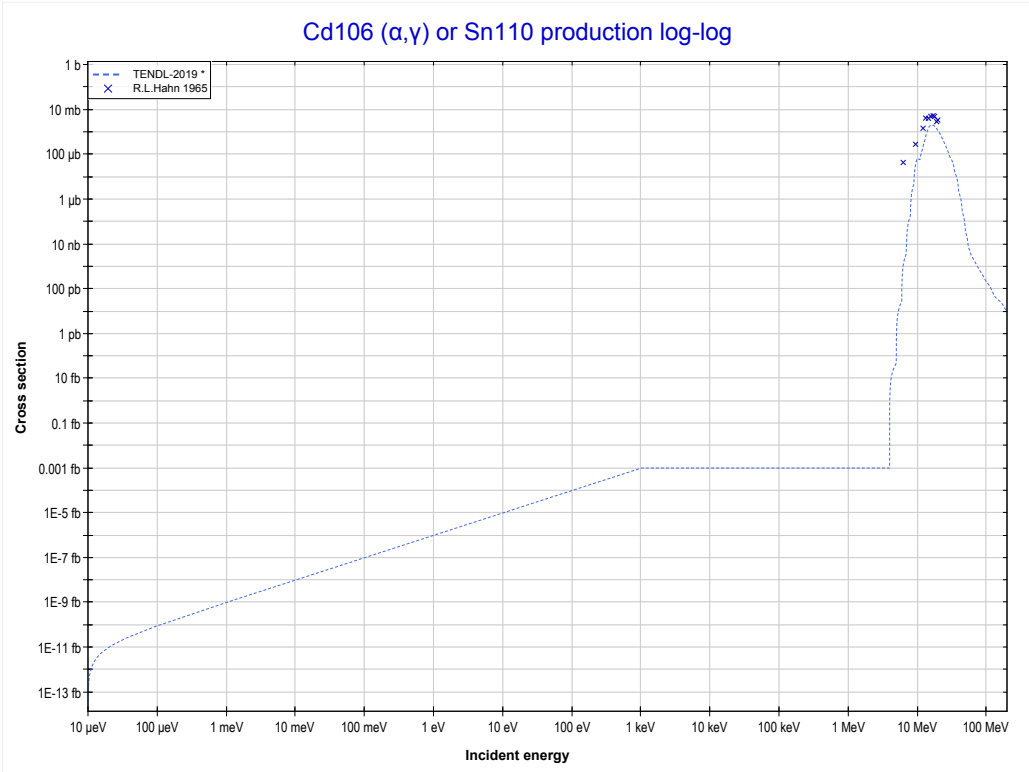
Reaction	Q-Value
Cd106($\alpha,n+\alpha$)Cd105	-10869.62 keV
Cd106($\alpha,d+t$)Cd105	-28458.92 keV
Cd106($\alpha,n+p+t$)Cd105	-30683.48 keV
Cd106($\alpha,2n+He3$)Cd105	-31447.24 keV
Cd106($\alpha,n+2d$)Cd105	-34716.14 keV
Cd106($\alpha,2n+p+d$)Cd105	-36940.71 keV
Cd106($\alpha,3n+2p$)Cd105	-39165.28 keV

<< 41-Nb-93	48-Cd-106	
<< MT22 ($\alpha,n+\alpha$)	MT29 ($\alpha,n+2\alpha$) or MT5 (Pd101 production)	MT102 (α,γ) >>



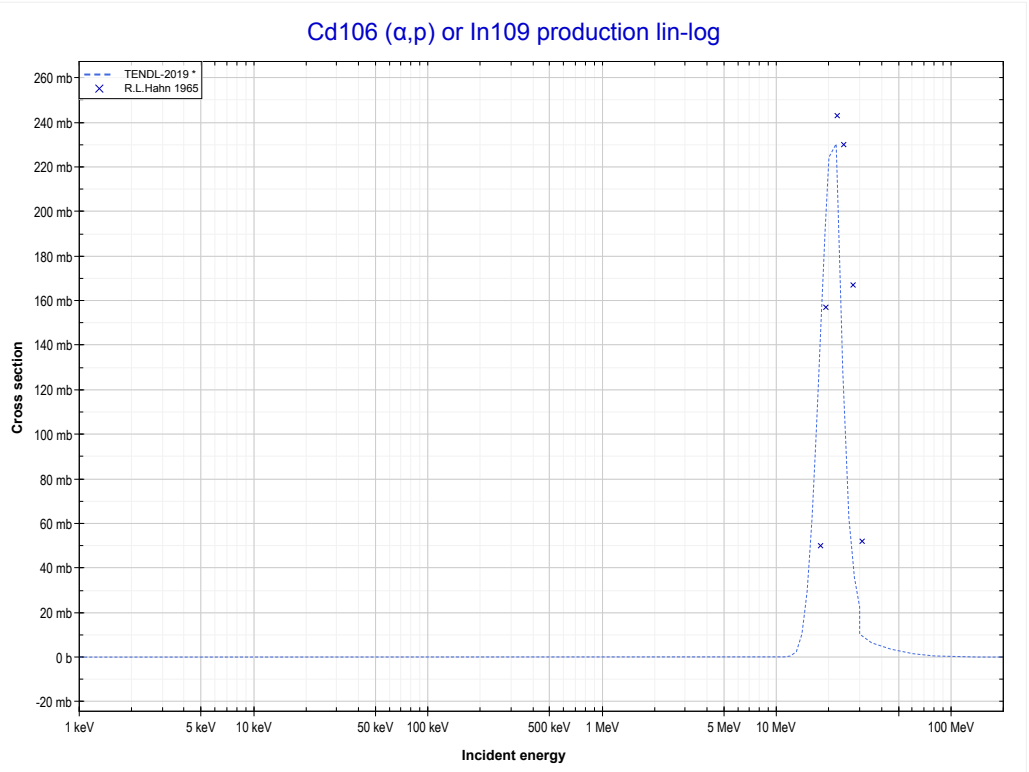
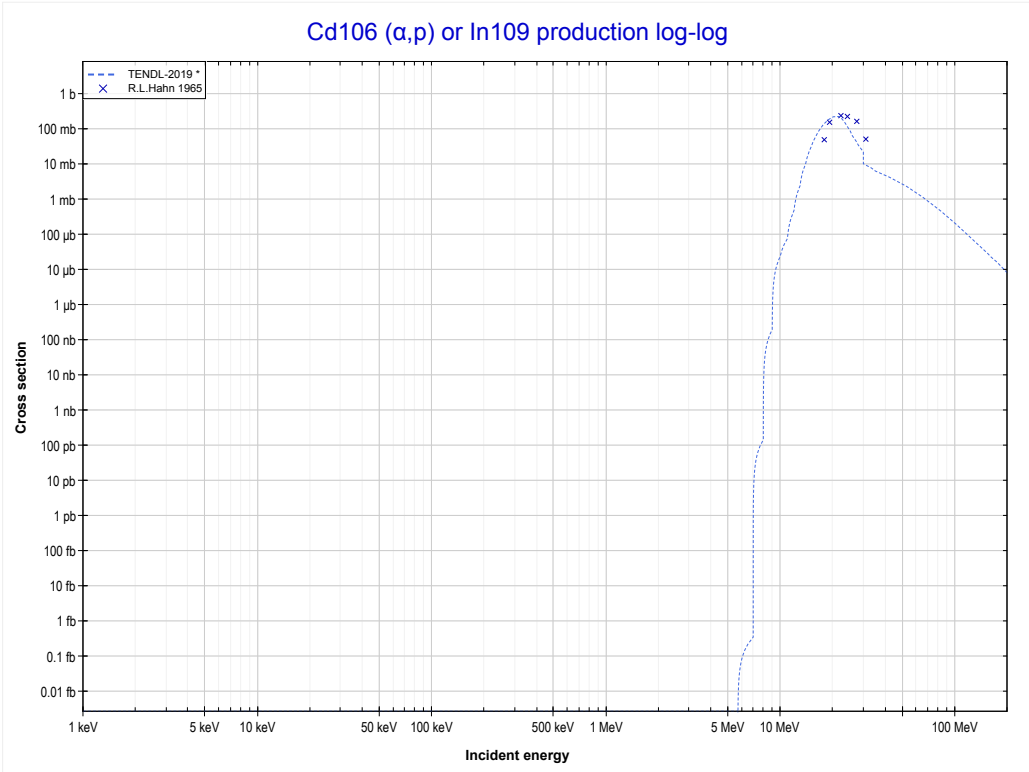
Reaction	Q-Value	Reaction	Q-Value
Cd106($\alpha,n+2\alpha$)Pd101	-12196.33 keV	Cd106($\alpha,p+d+2t$)Pd101	-49599.50 keV
Cd106($\alpha,d+t+\alpha$)Pd101	-29785.63 keV	Cd106($\alpha,n+d+t+He3$)Pd101	-50363.25 keV
Cd106($\alpha,n+p+t+\alpha$)Pd101	-32010.20 keV	Cd106($\alpha,n+2p+2t$)Pd101	-51824.06 keV
Cd106($\alpha,2n+He3+\alpha$)Pd101	-32773.95 keV	Cd106($\alpha,2n+p+t+He3$)Pd101	-52587.82 keV
Cd106($\alpha,n+2d+\alpha$)Pd101	-36042.86 keV	Cd106($\alpha,3n+2He3$)Pd101	-53351.57 keV
Cd106($\alpha,2n+p+d+\alpha$)Pd101	-38267.43 keV	Cd106($\alpha,3d+t$)Pd101	-53632.16 keV
Cd106($\alpha,3n+2p+\alpha$)Pd101	-40491.99 keV	Cd106($\alpha,n+p+2d+t$)Pd101	-55856.73 keV
Cd106($\alpha,2t+He3$)Pd101	-44106.02 keV	Cd106($\alpha,2n+2d+He3$)Pd101	-56620.48 keV

<< 47-Ag-107	48-Cd-106	49-In-113 >>
<< MT29 ($\alpha,n+2\alpha$)	MT102 (α,γ) or MT5 (Sn110 production)	MT103 (α,p) >>



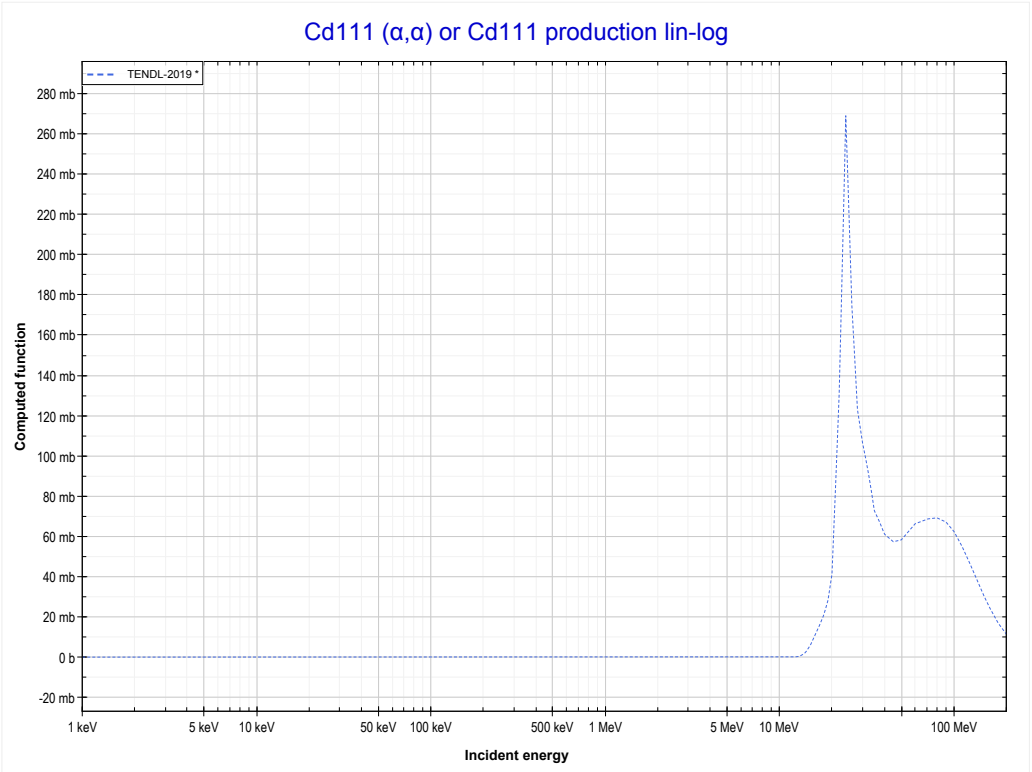
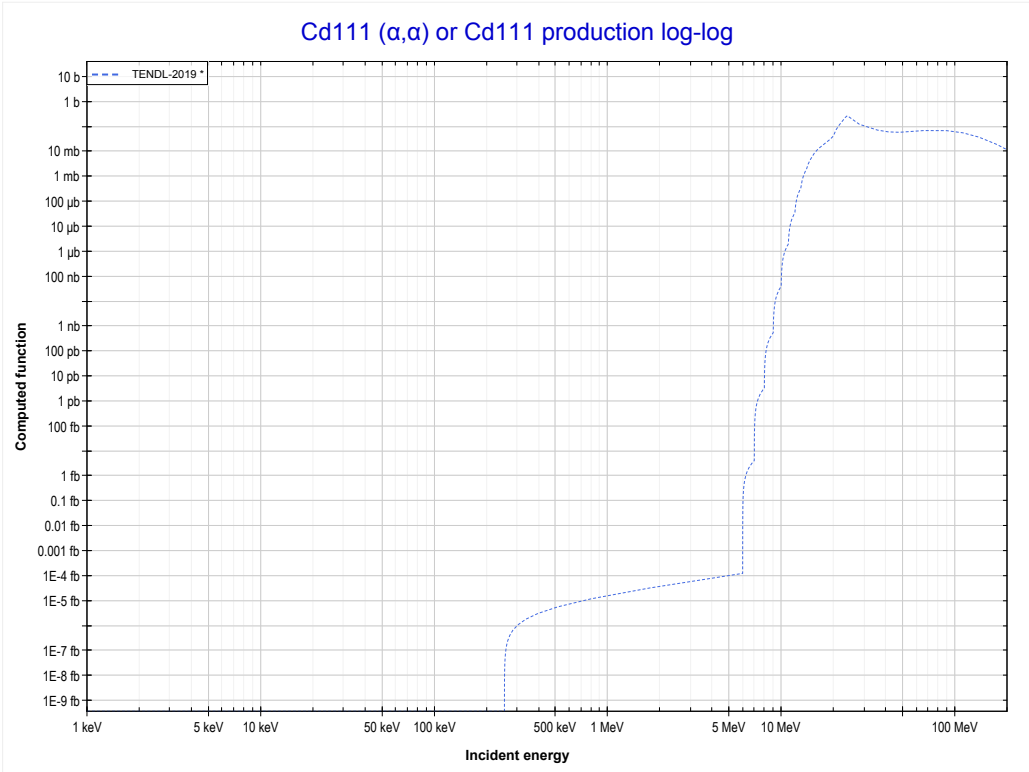
Reaction	Q-Value
Cd106(α,γ)Sn110	1134.82 keV

<< 42-Mo-100	48-Cd-106	48-Cd-114 >>
<< MT102 (α,γ)	MT103 (α,p) or MT5 (In109 production)	48-Cd-111 MT107 (α,α) >>



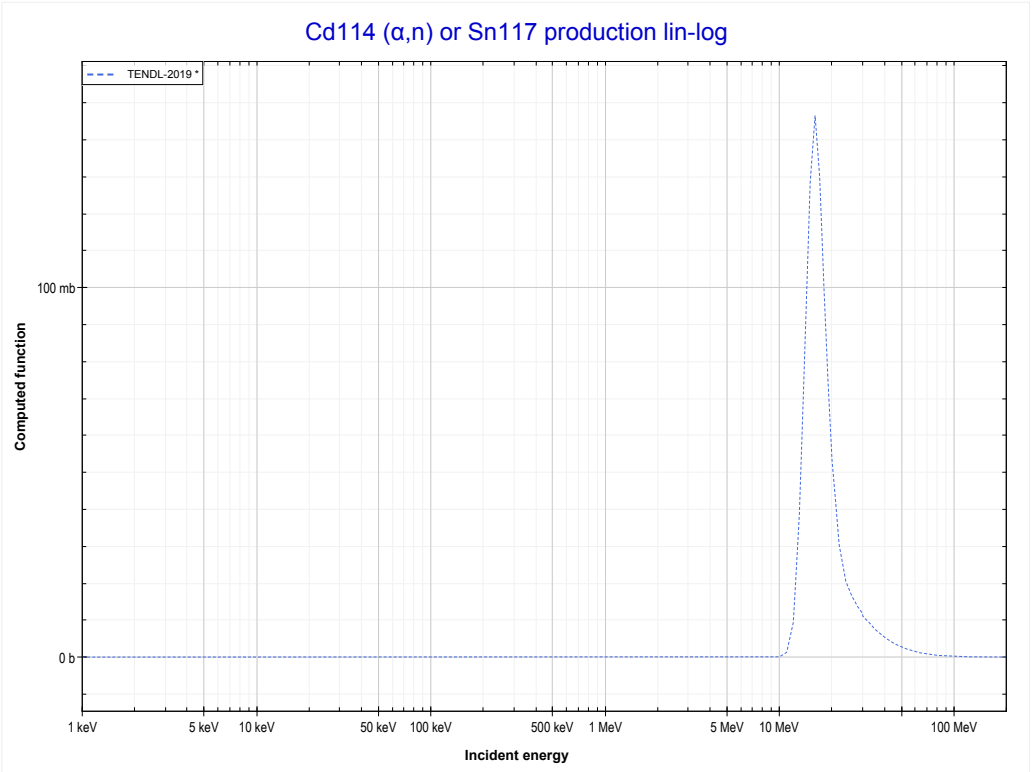
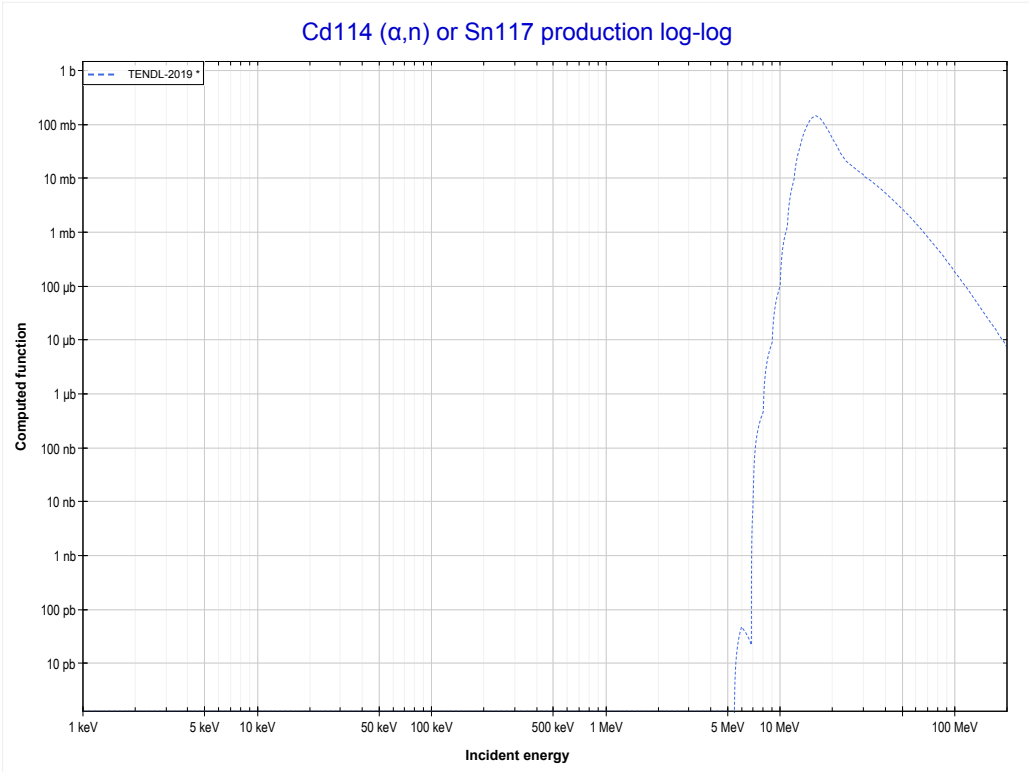
Reaction	Q-Value
Cd106(α,p)In109	-5506.15 keV

<< 27-Co-59	48-Cd-111	49-In-115 >>
<< 48-Cd-106 MT103 (α,p)	MT107 (α,α) or MT5 (Cd111 production)	48-Cd-114 MT4 (α,n) >>



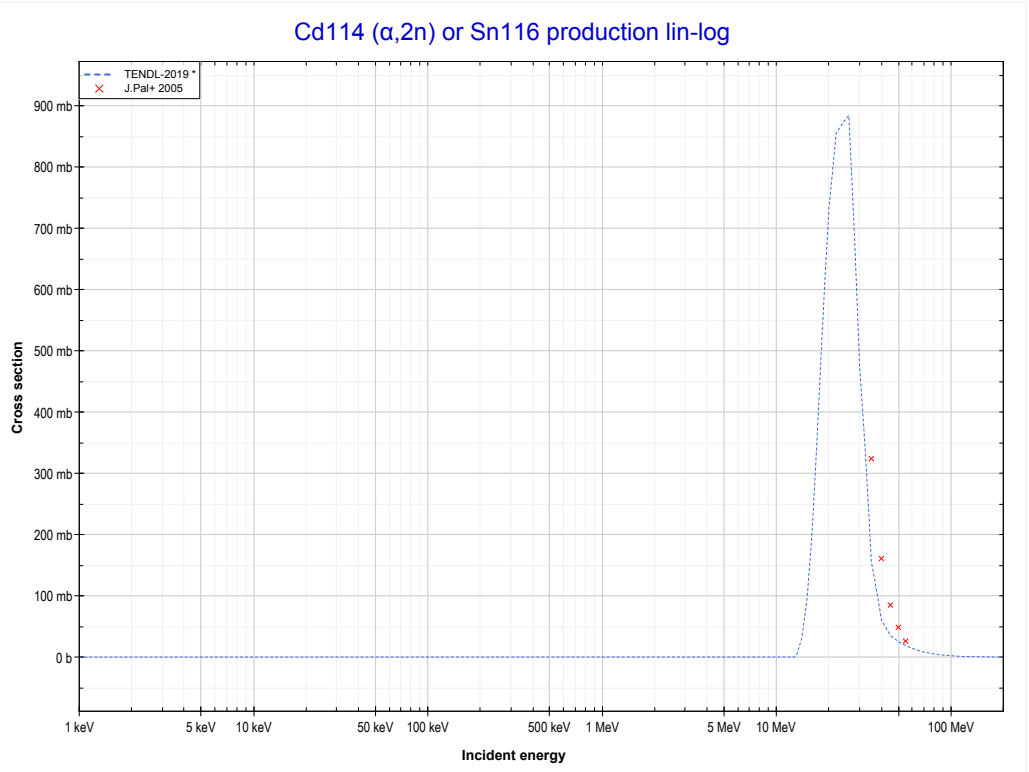
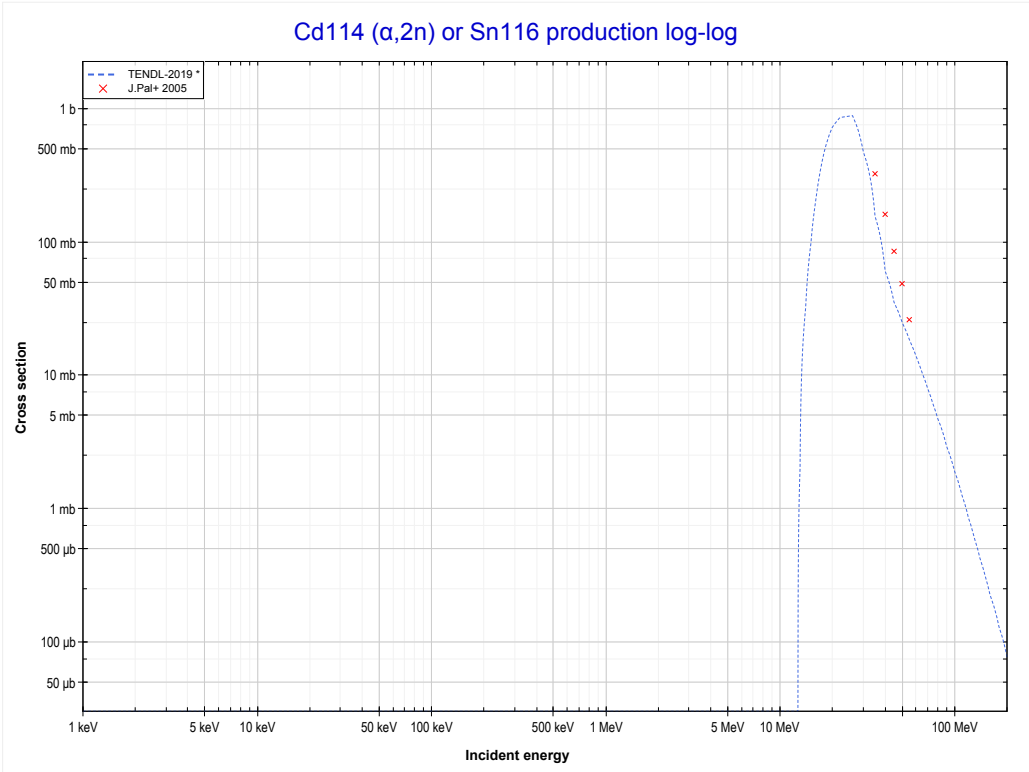
Reaction	Q-Value
Cd111(α,α)Cd111	0.00 keV
Cd111(α,p+t)Cd111	-19813.86 keV
Cd111(α,n+He3)Cd111	-20577.62 keV
Cd111(α,2d)Cd111	-23846.53 keV
Cd111(α,n+p+d)Cd111	-26071.09 keV
Cd111(α,2n+2p)Cd111	-28295.66 keV

<< 48-Cd-106	48-Cd-114	48-Cd-116 >>
<< 48-Cd-111 MT107 (α,α)	MT4 (α,n) or MT5 (Sn117 production)	MT16 (α,2n) >>



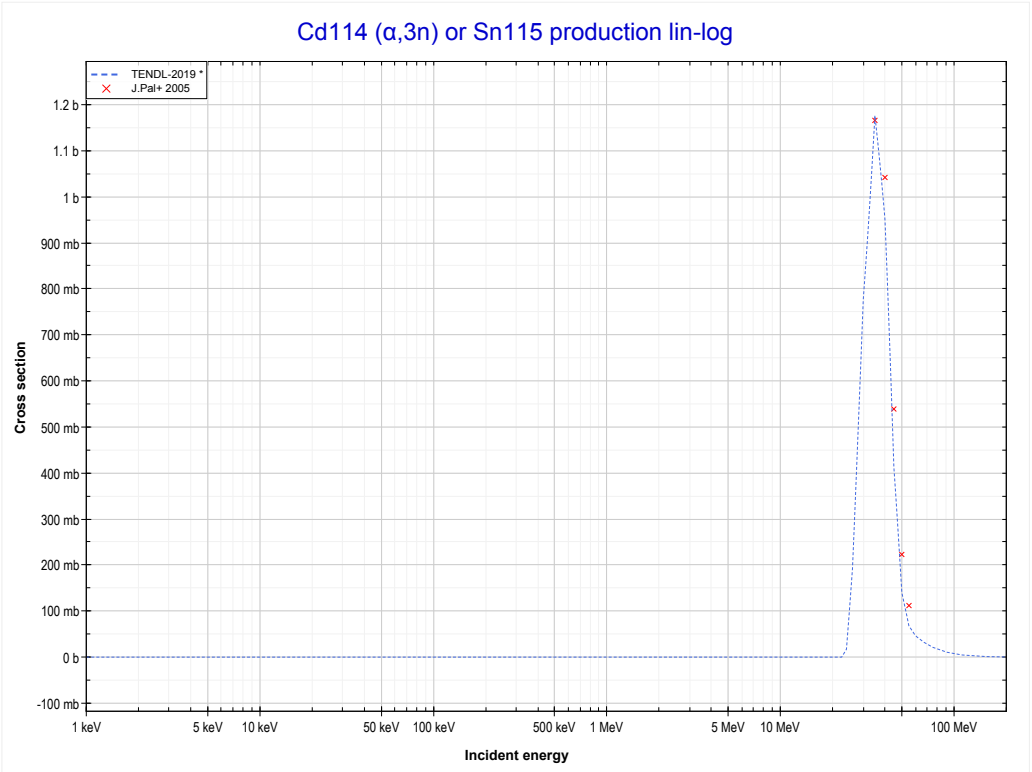
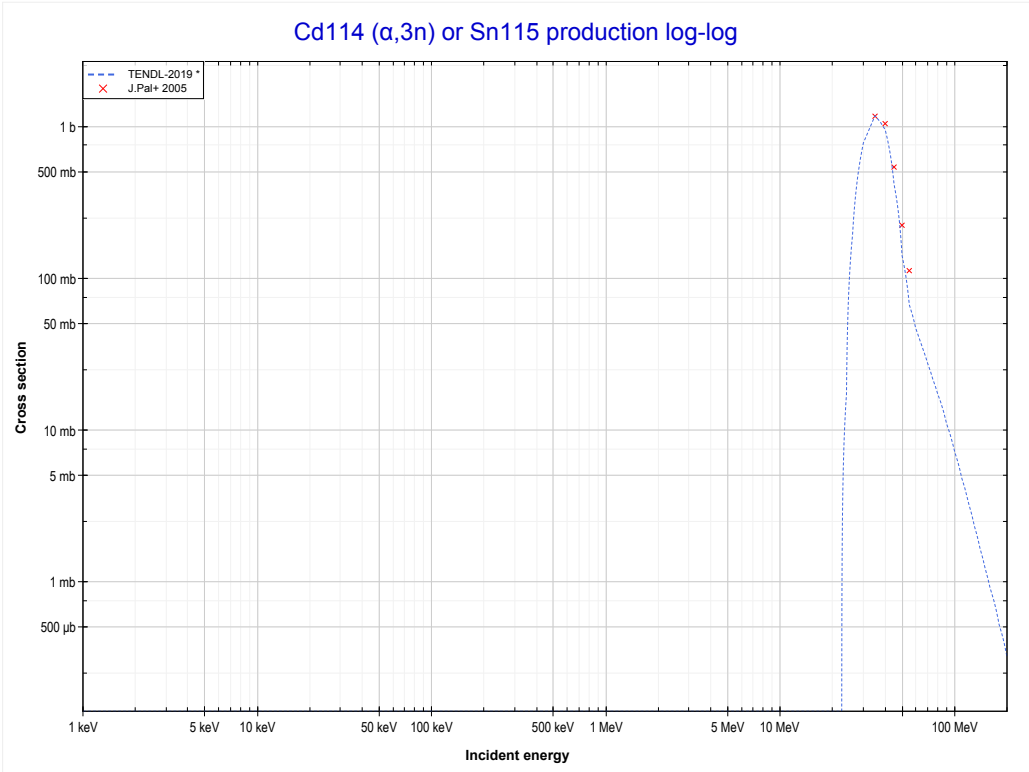
Reaction	Q-Value
Cd114(α,n)Sn117	-5263.53 keV

<< 48-Cd-106	48-Cd-114	49-In-113 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Sn116 production)	MT17 (α,3n) >>



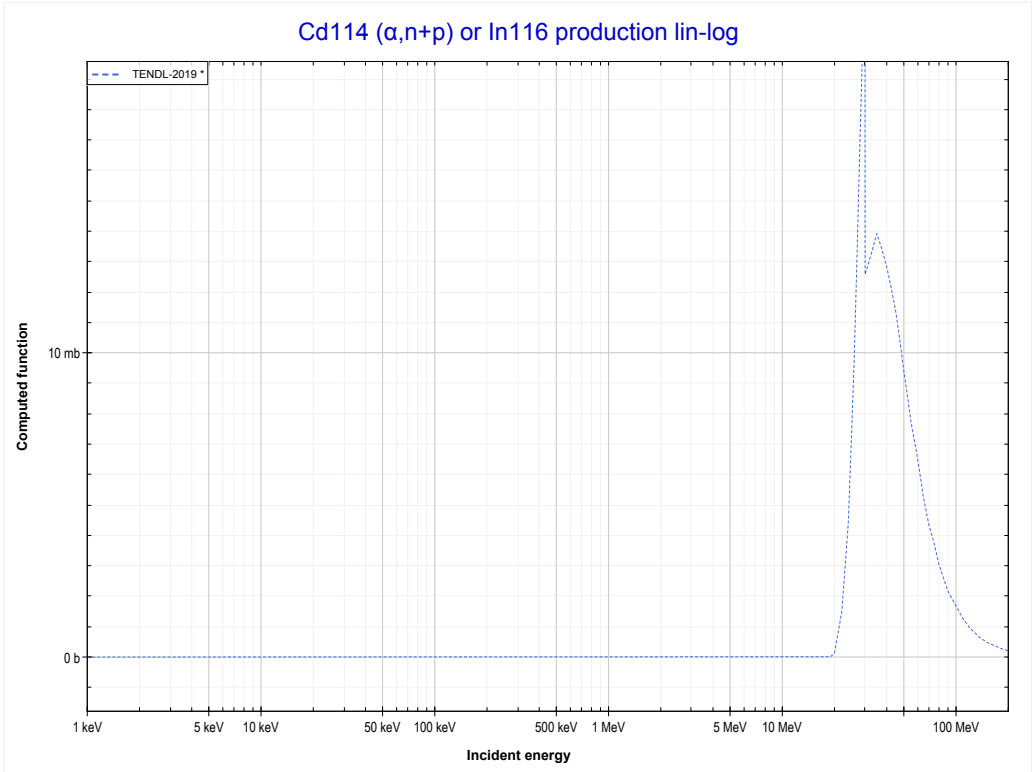
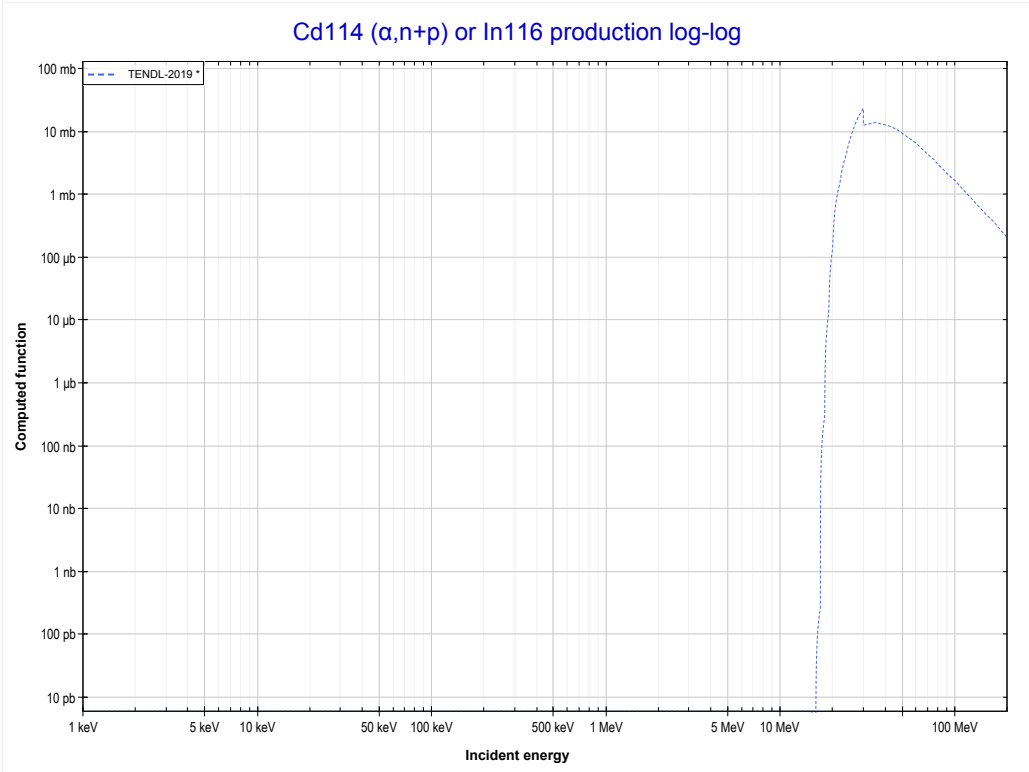
Reaction	Q-Value
Cd114(α,2n)Sn116	-12206.68 keV

<< 47-Ag-109	48-Cd-114	48-Cd-116 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Sn115 production)	MT28 ($\alpha,n+p$) >>



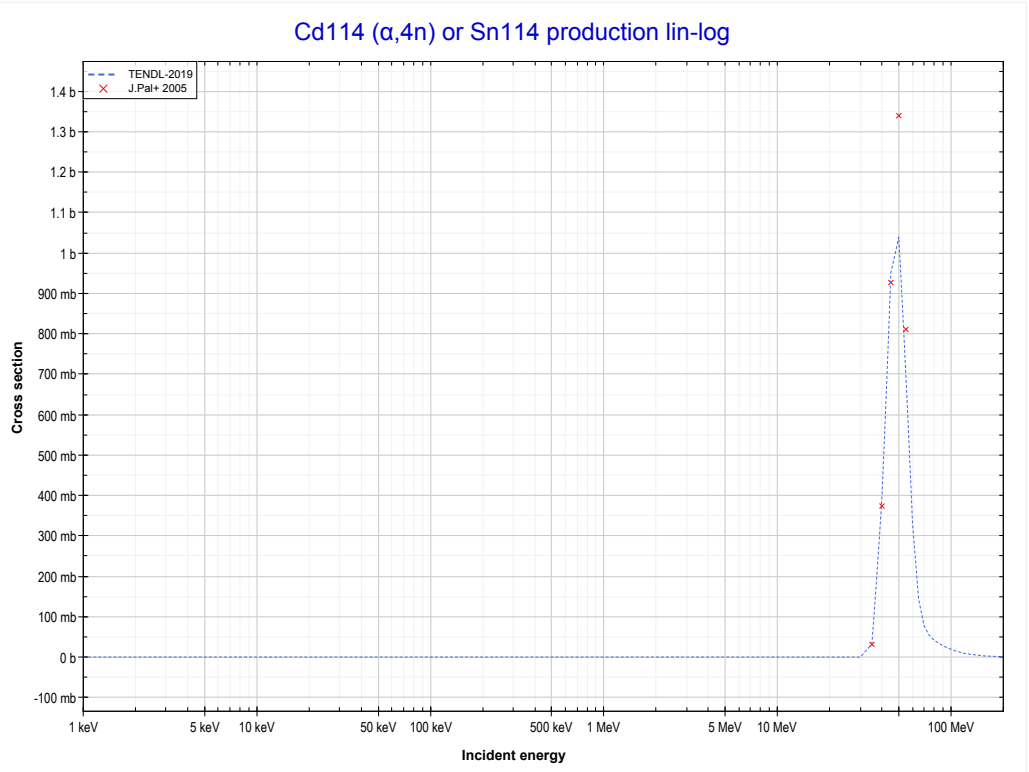
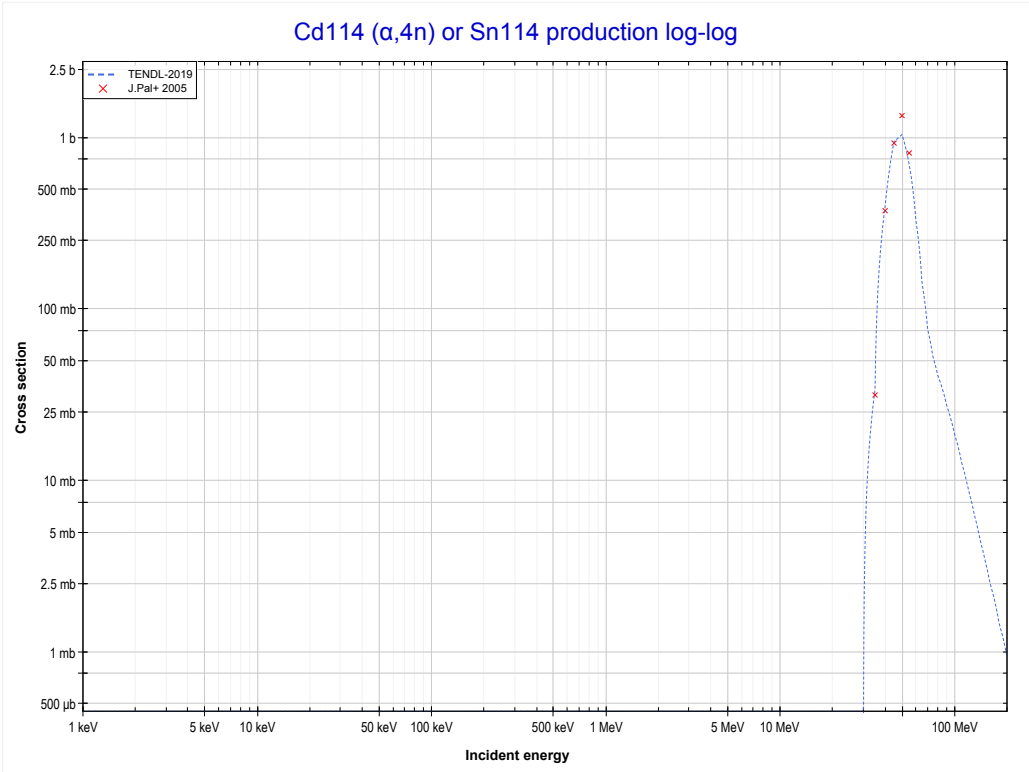
Reaction	Q-Value
Cd114($\alpha,3n$)Sn115	-21770.13 keV

<< 47-Ag-107	48-Cd-114	50-Sn-120 >>
<< MT17 ($\alpha,3n$)	MT28 ($\alpha,n+p$) or MT5 (In116 production)	MT37 ($\alpha,4n$) >>



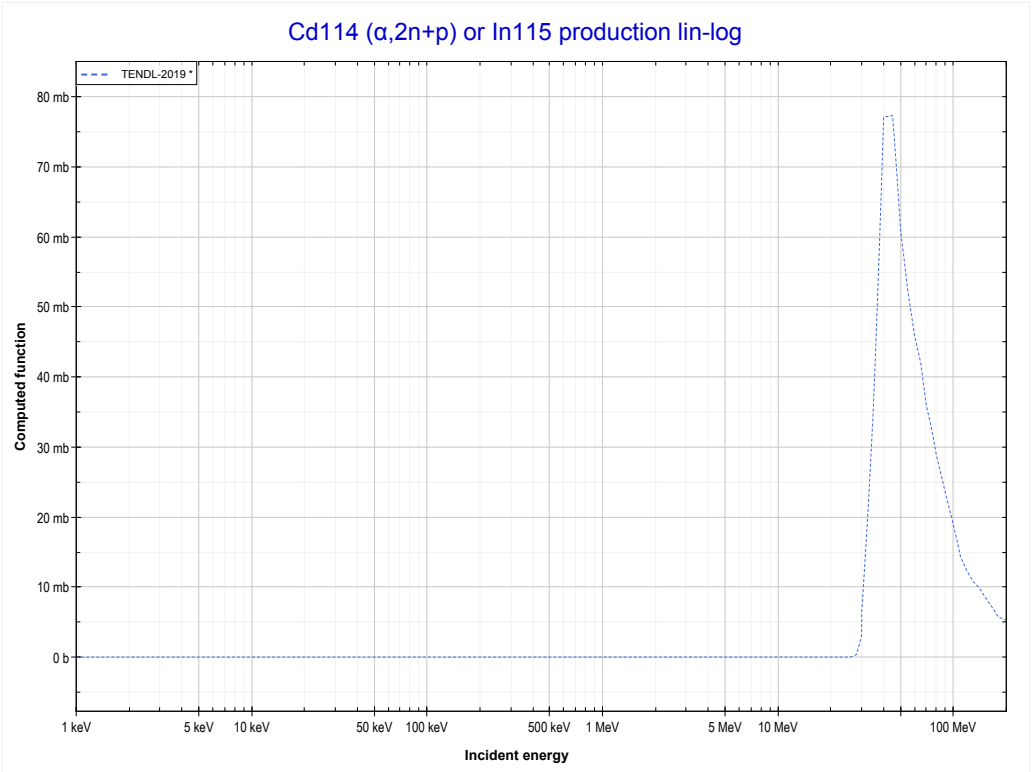
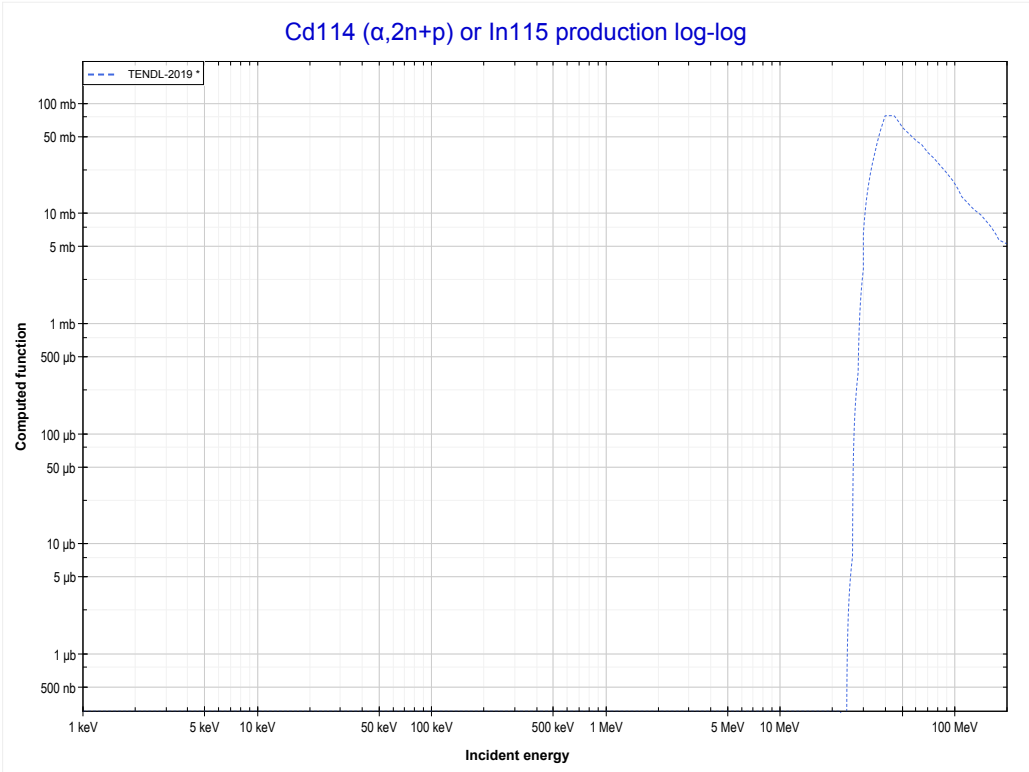
Reaction	Q-Value
Cd114(α,d)In116	-12475.99 keV
Cd114($\alpha,n+p$)In116	-14700.55 keV

<< 47-Ag-109	48-Cd-114	48-Cd-116 >>
<< MT28 ($\alpha,n+p$)	MT37 ($\alpha,4n$) or MT5 (Sn114 production)	MT41 ($\alpha,2n+p$) >>



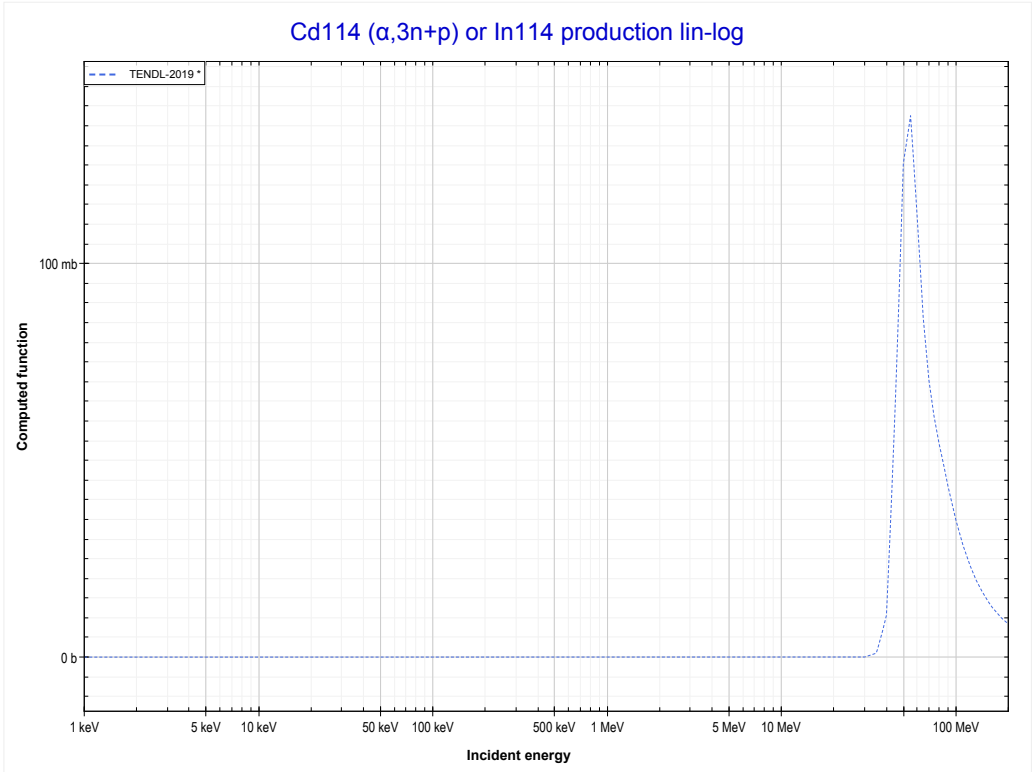
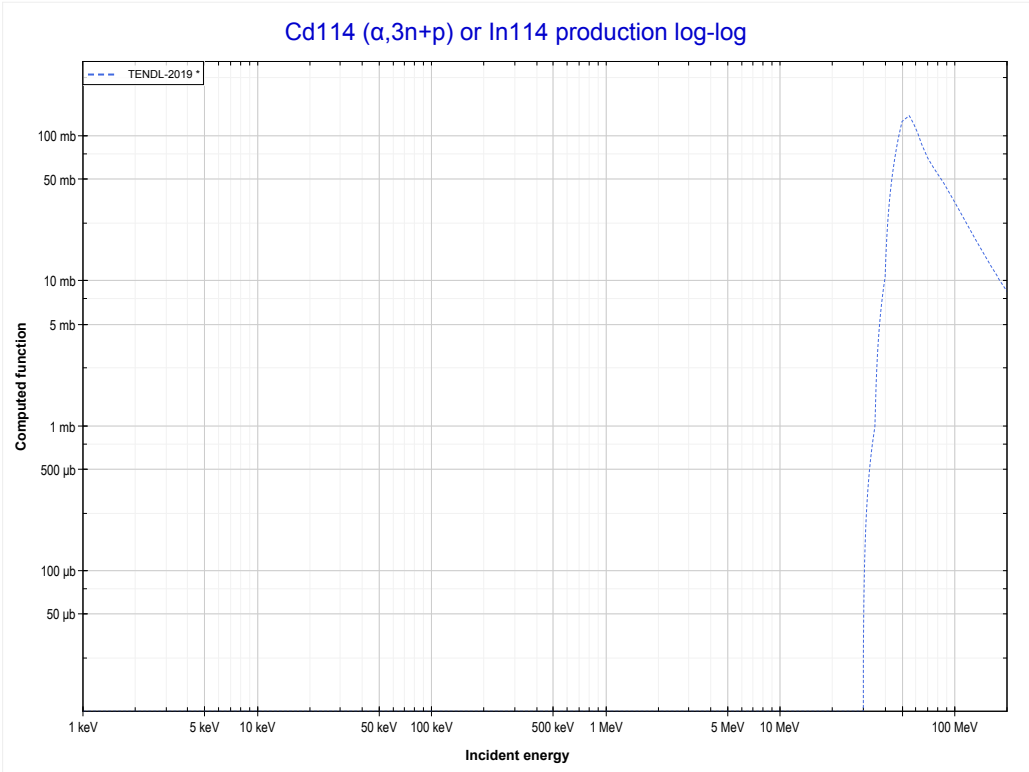
Reaction	Q-Value
Cd114($\alpha,4n$)Sn114	-29315.56 keV

<< 42-Mo-95	48-Cd-114	48-Cd-116 >>
<< MT37 ($\alpha,4n$)	MT41 ($\alpha,2n+p$) or MT5 (In115 production)	MT42 ($\alpha,3n+p$) >>



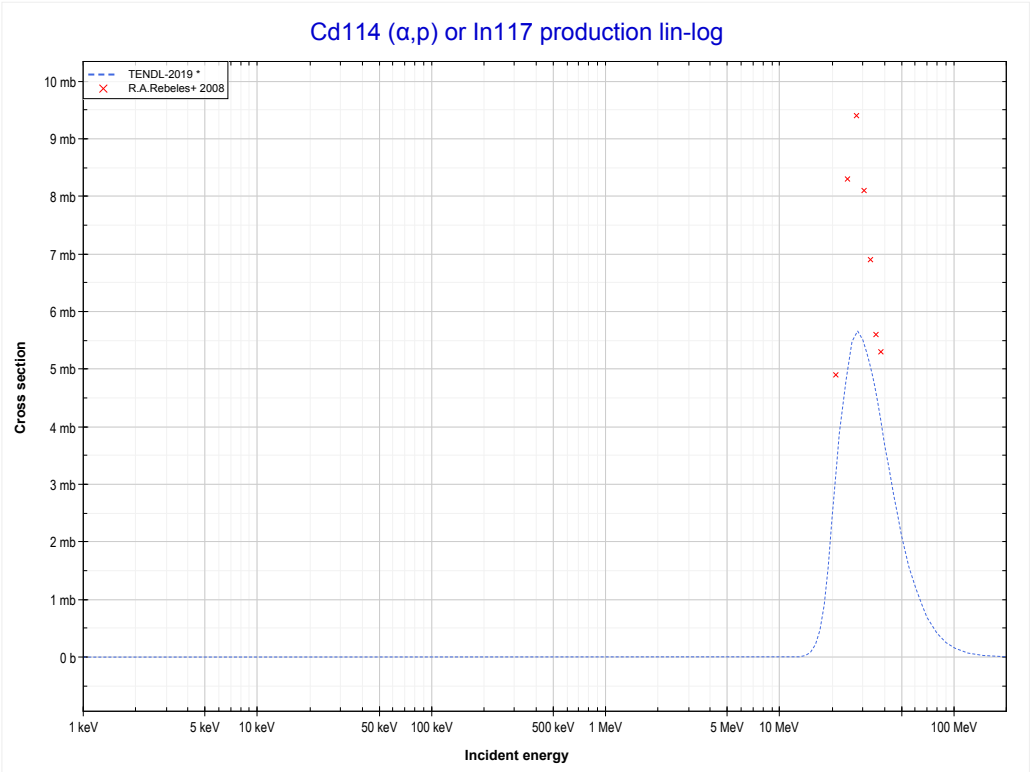
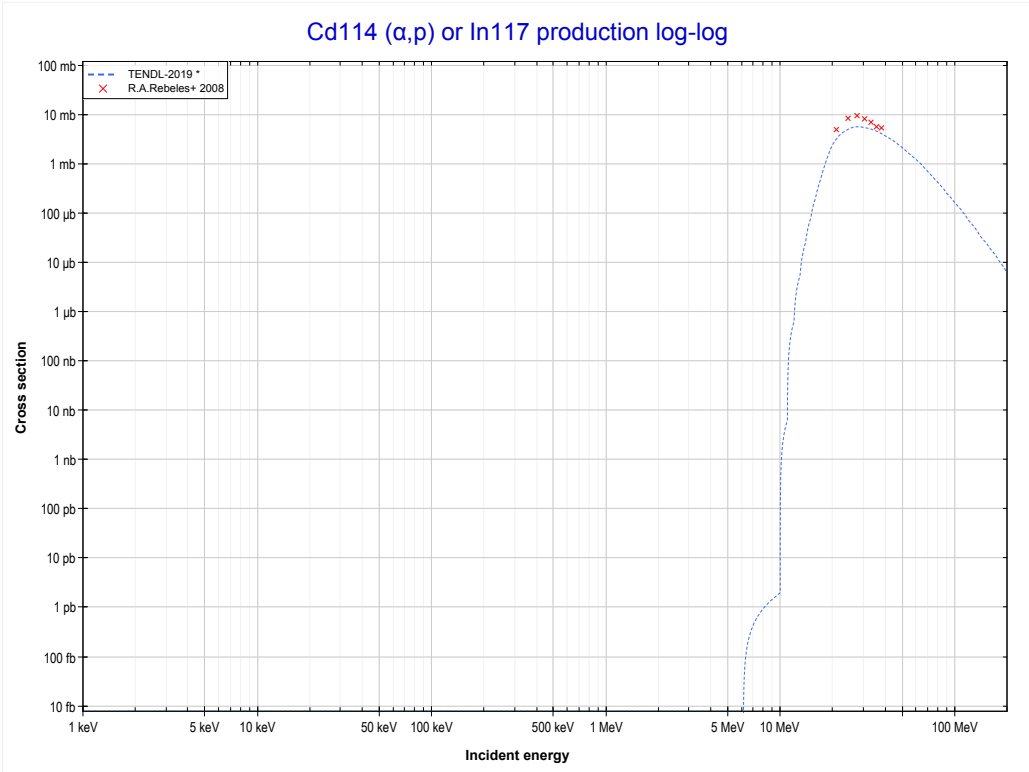
Reaction	Q-Value
Cd114(α,t)In115	-13003.48 keV
Cd114($\alpha,n+d$)In115	-19260.71 keV
Cd114($\alpha,2n+p$)In115	-21485.27 keV

<< 42-Mo-96	48-Cd-114	48-Cd-116 >>
<< MT41 (α,2n+p)	MT42 (α,3n+p) or MT5 (In114 production)	MT103 (α,p) >>



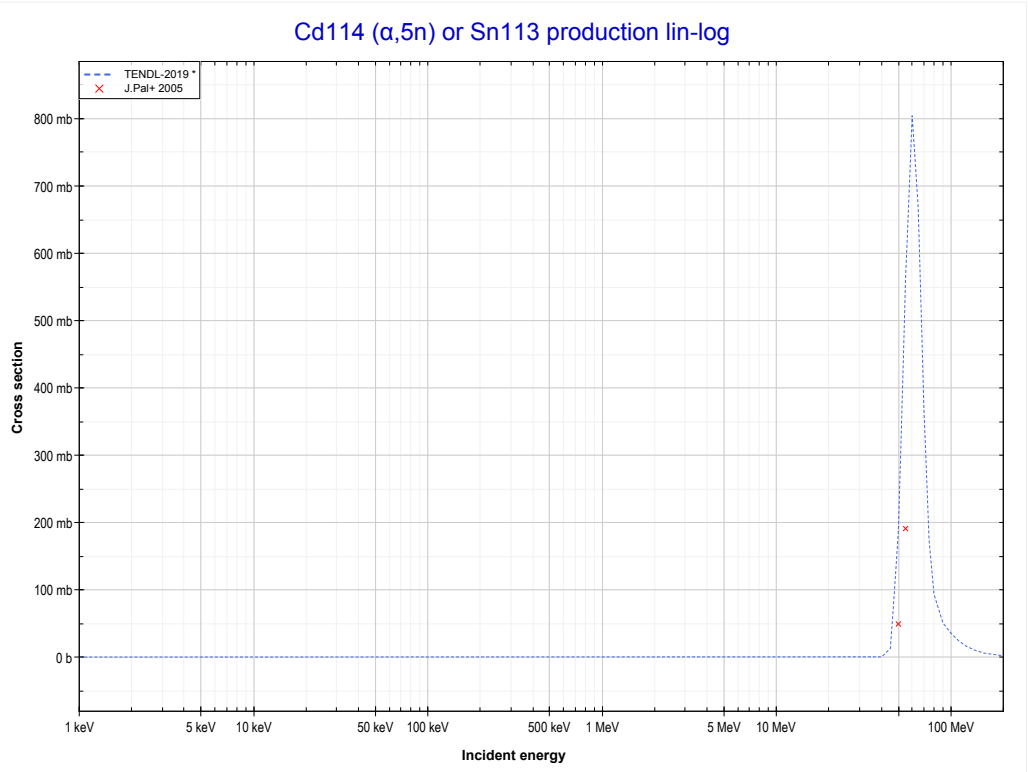
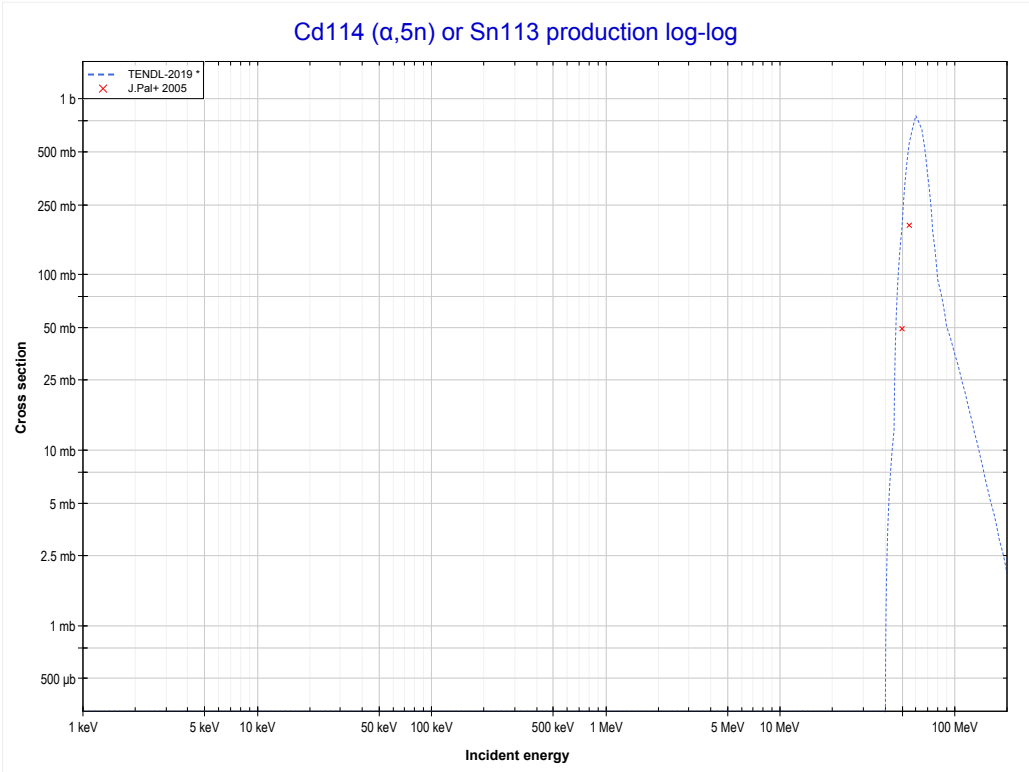
Reaction	Q-Value
Cd114(α,n+t)In114	-22041.34 keV
Cd114(α,2n+d)In114	-28298.57 keV
Cd114(α,3n+p)In114	-30523.14 keV

<< 48-Cd-106	48-Cd-114	50-Sn-112 >>
<< MT42 (α ,3n+p)	MT103 (α ,p) or MT5 (In117 production)	MT152 (α ,5n) >>



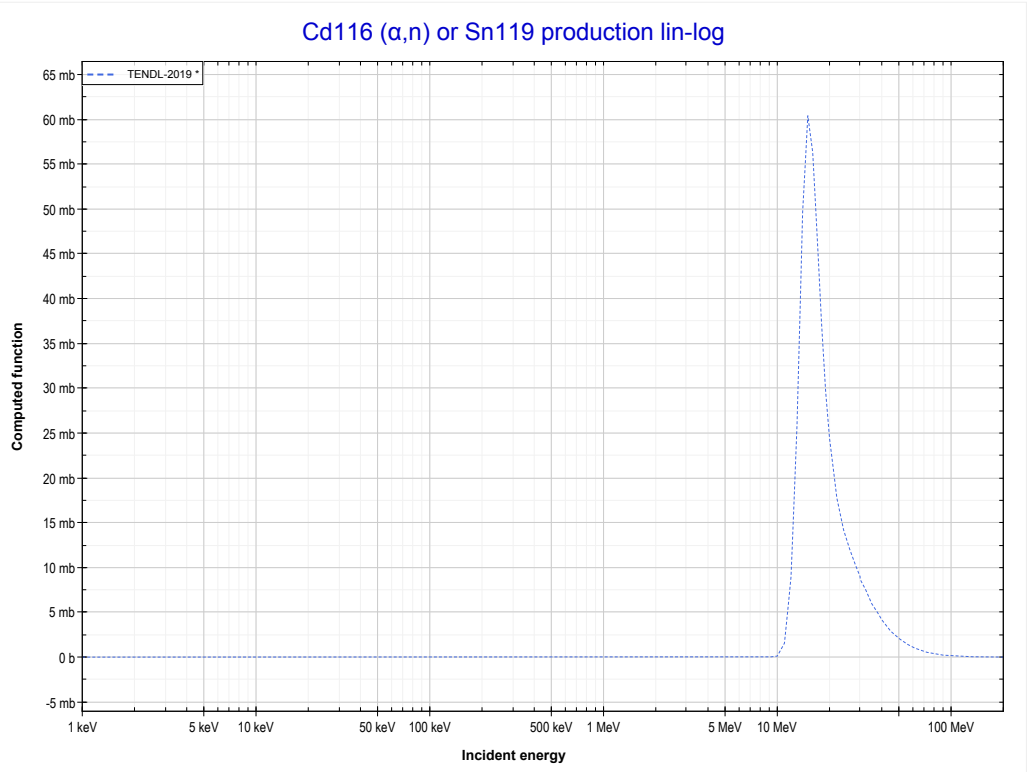
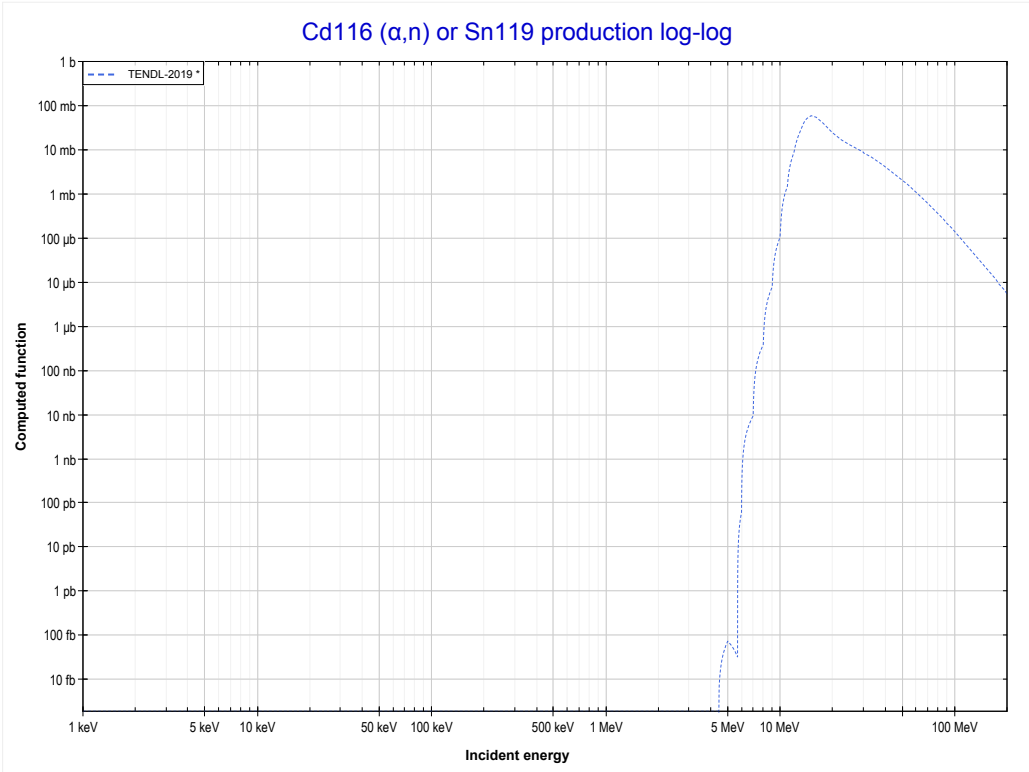
Reaction	Q-Value
Cd114(α ,p)In117	-5935.98 keV

<< 47-Ag-109	48-Cd-114	48-Cd-116 >>
<< MT103 (α,p)	MT152 (α,5n) or MT5 (Sn113 production)	48-Cd-116 MT4 (α,n) >>



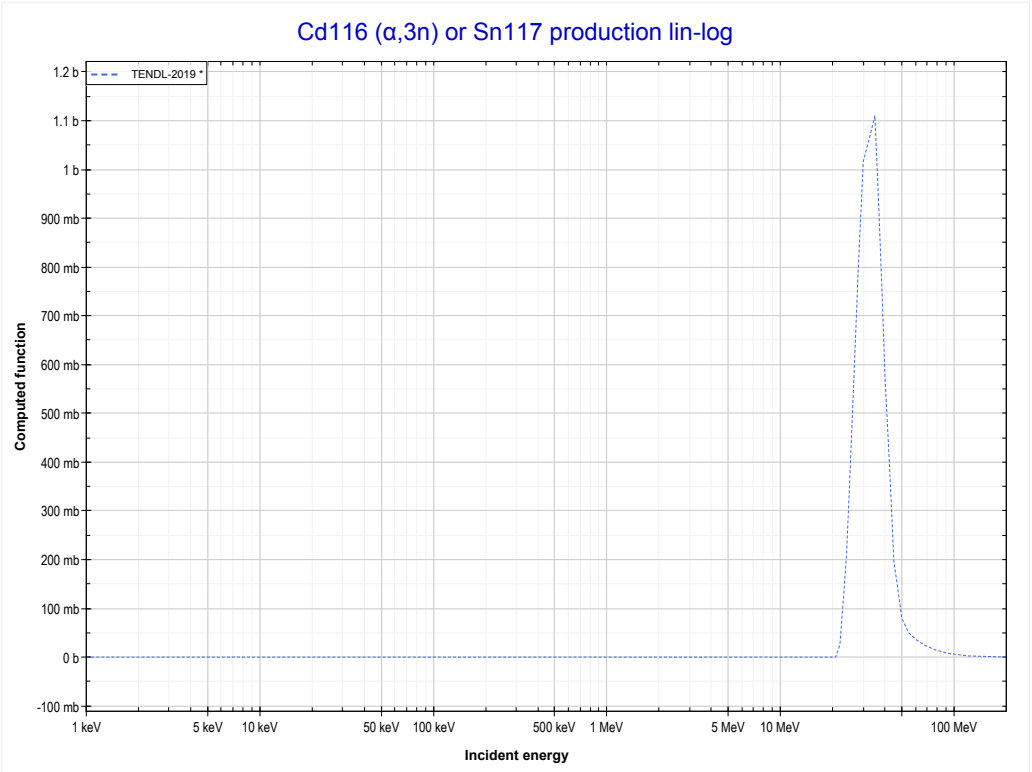
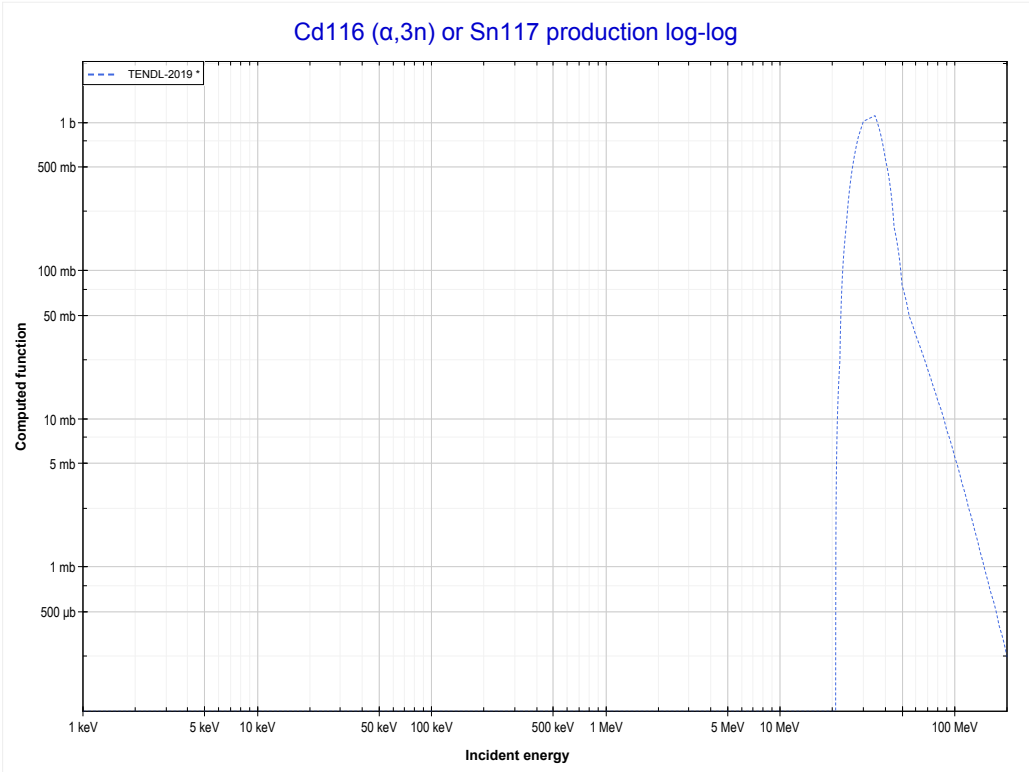
Reaction	Q-Value
Cd114(α,5n)Sn113	-39618.50 keV

<< 48-Cd-114	48-Cd-116	49-In-113 >>
<< 48-Cd-114 MT152 (α,5n)	MT4 (α,n) or MT5 (Sn119 production)	MT17 (α,3n) >>



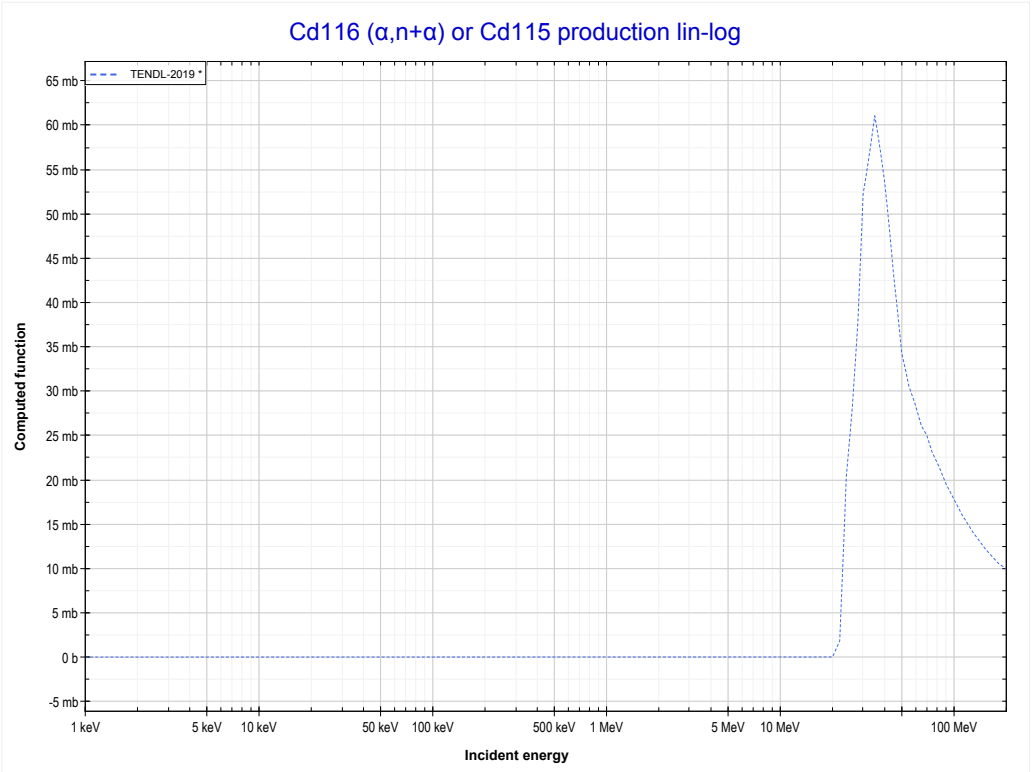
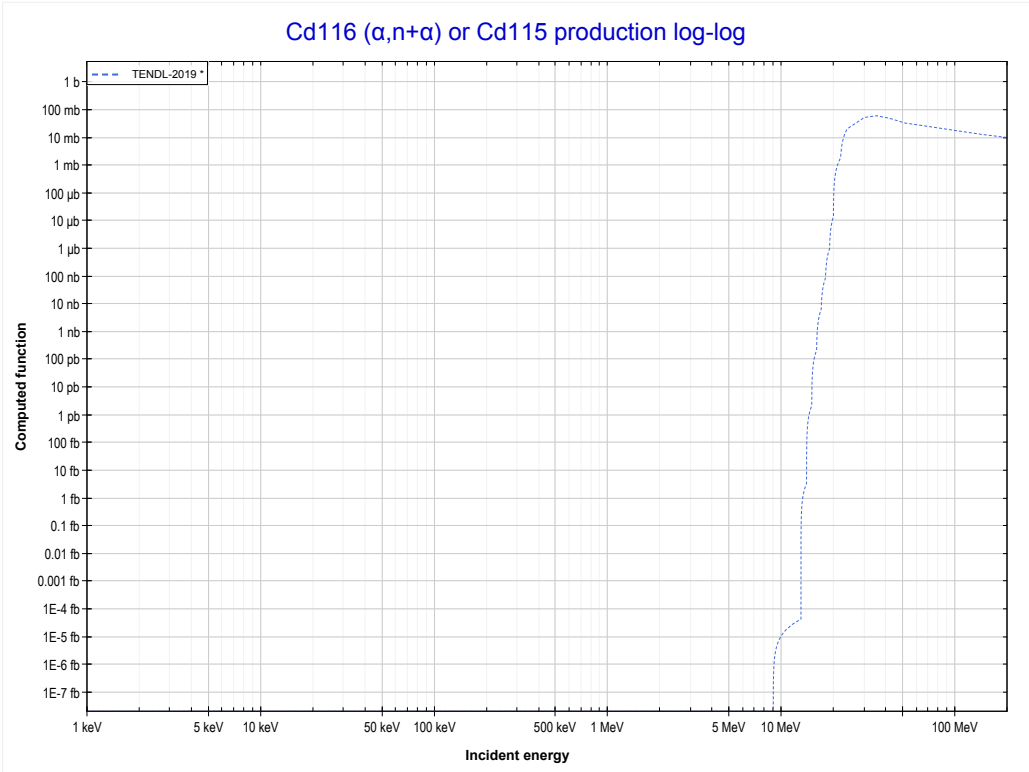
Reaction	Q-Value
Cd116(α,n)Sn119	-4293.88 keV

<< 48-Cd-114	48-Cd-116	50-Sn-117 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Sn117 production)	MT22 (α,n+α) >>



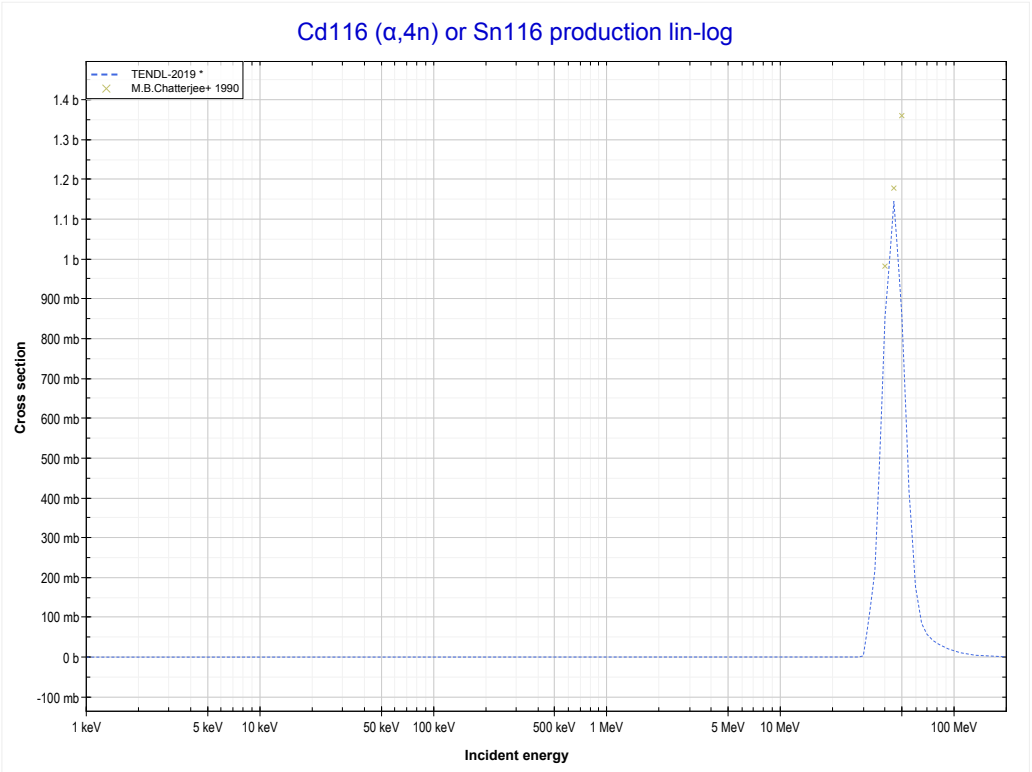
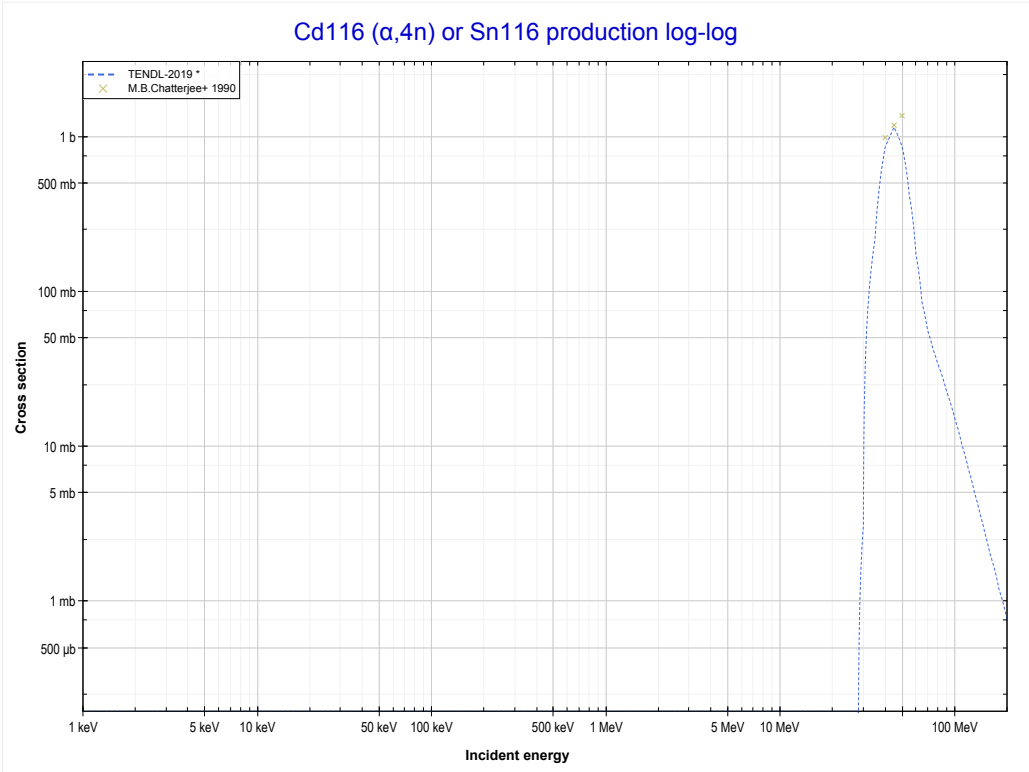
Reaction	Q-Value
Cd116(α,3n)Sn117	-20103.72 keV

<< 48-Cd-106	48-Cd-116	50-Sn-124 >>
<< MT17 ($\alpha,3n$)	MT22 ($\alpha,n+\alpha$) or MT5 (Cd115 production)	MT37 ($\alpha,4n$) >>



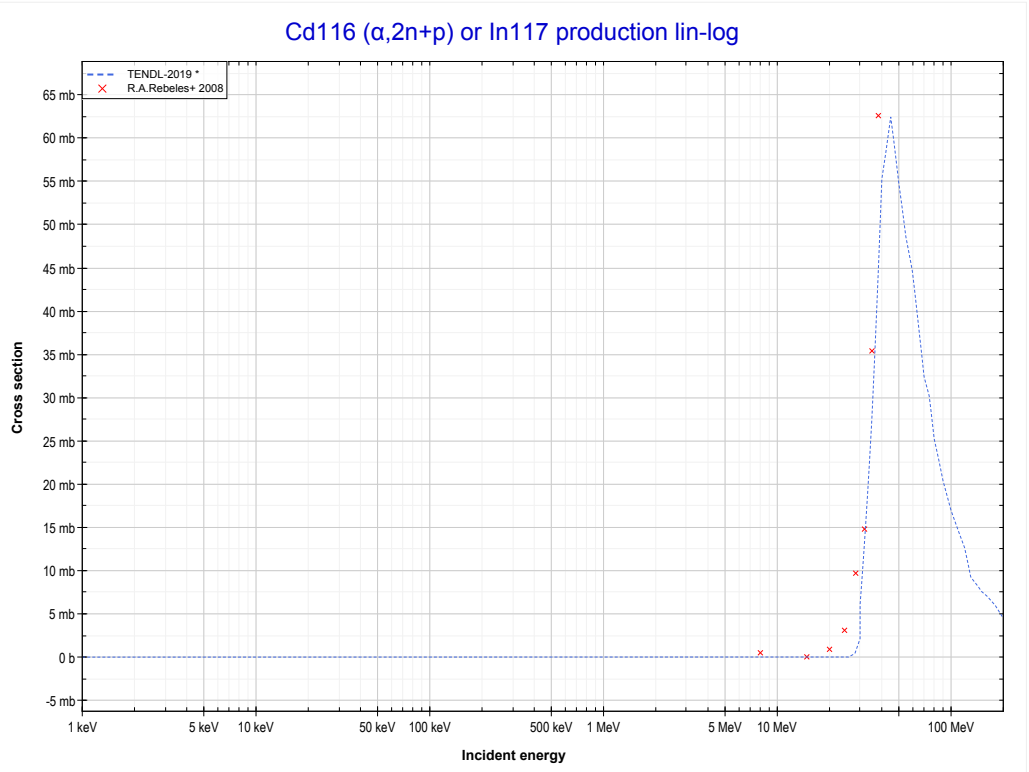
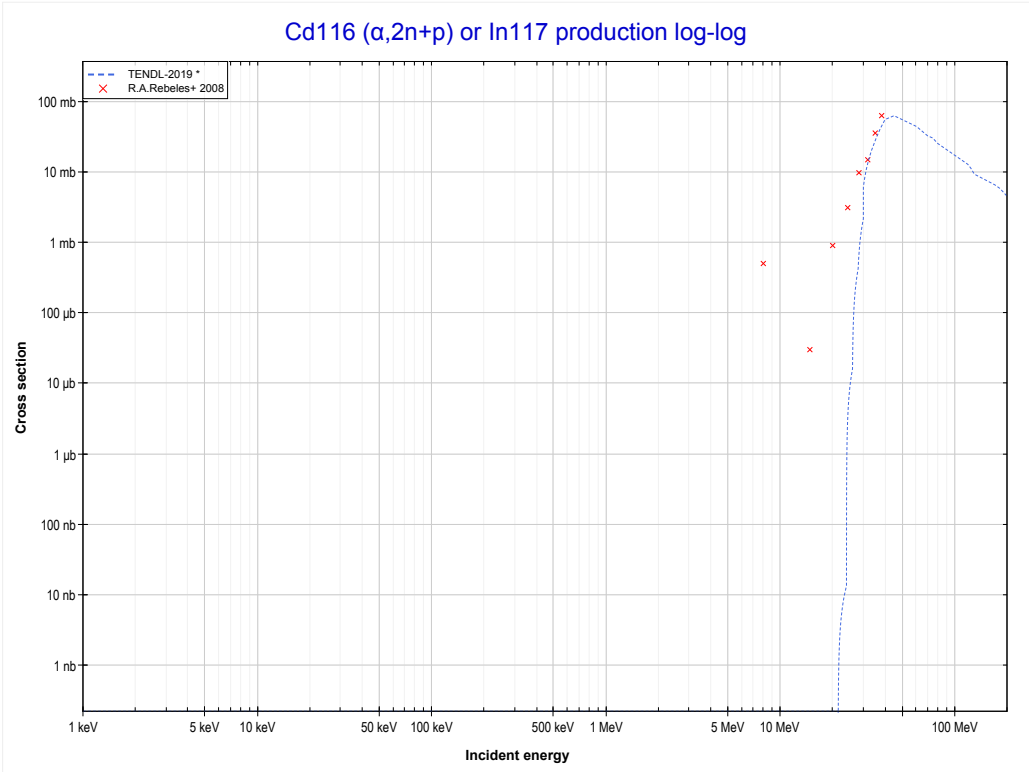
Reaction	Q-Value
Cd116($\alpha,n+\alpha$)Cd115	-8699.30 keV
Cd116($\alpha,d+t$)Cd115	-26288.60 keV
Cd116($\alpha,n+p+t$)Cd115	-28513.16 keV
Cd116($\alpha,2n+He3$)Cd115	-29276.92 keV
Cd116($\alpha,n+2d$)Cd115	-32545.82 keV
Cd116($\alpha,2n+p+d$)Cd115	-34770.39 keV
Cd116($\alpha,3n+2p$)Cd115	-36994.96 keV

<< 48-Cd-114	48-Cd-116	49-In-115 >>
<< MT22 ($\alpha,n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Sn116 production)	MT41 ($\alpha,2n+p$) >>



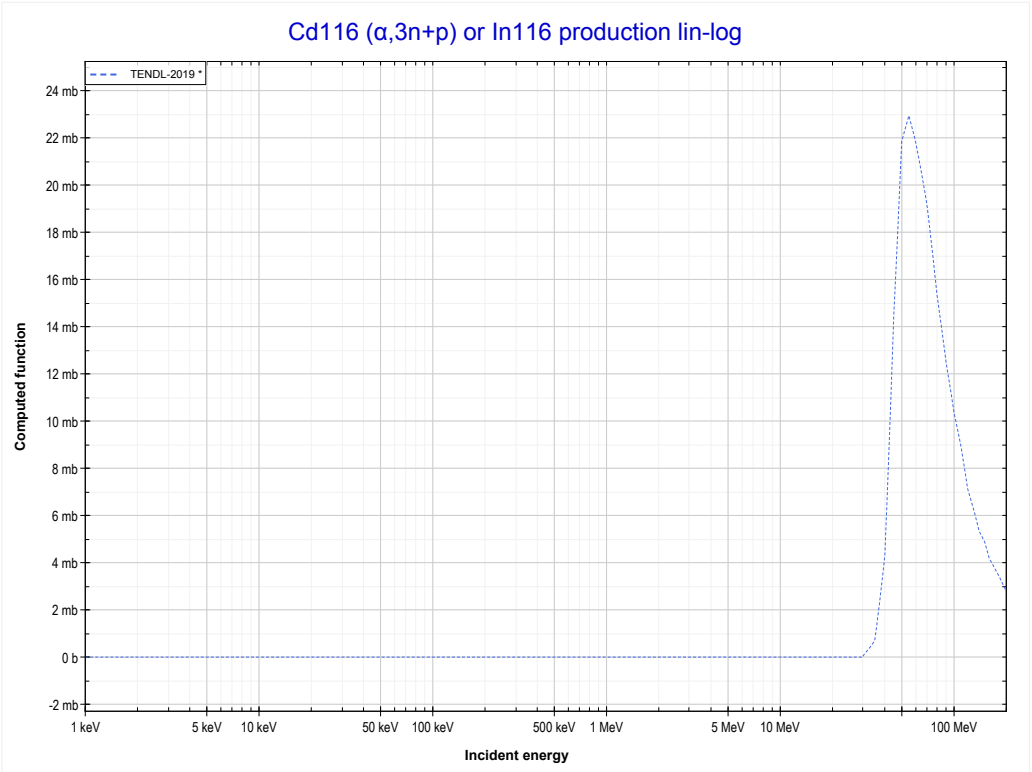
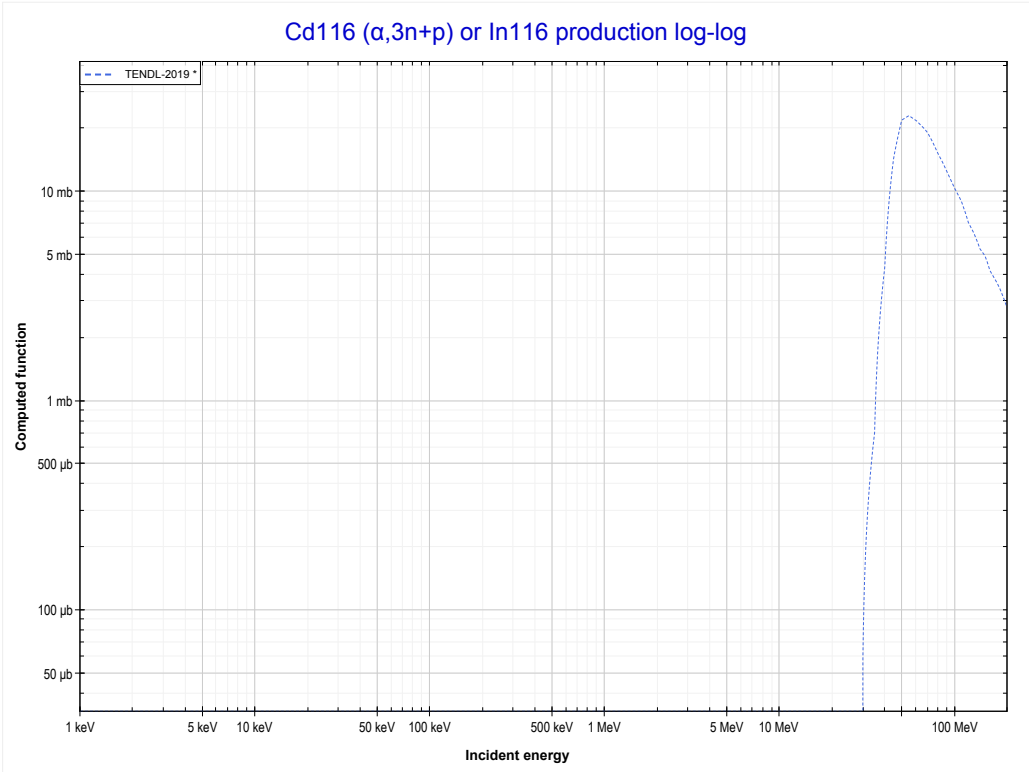
Reaction	Q-Value
Cd116($\alpha,4n$)Sn116	-27046.86 keV

<< 48-Cd-114	48-Cd-116	68-Er-167 >>
<< MT37 ($\alpha,4n$)	MT41 ($\alpha,2n+p$) or MT5 (In117 production)	MT42 ($\alpha,3n+p$) >>



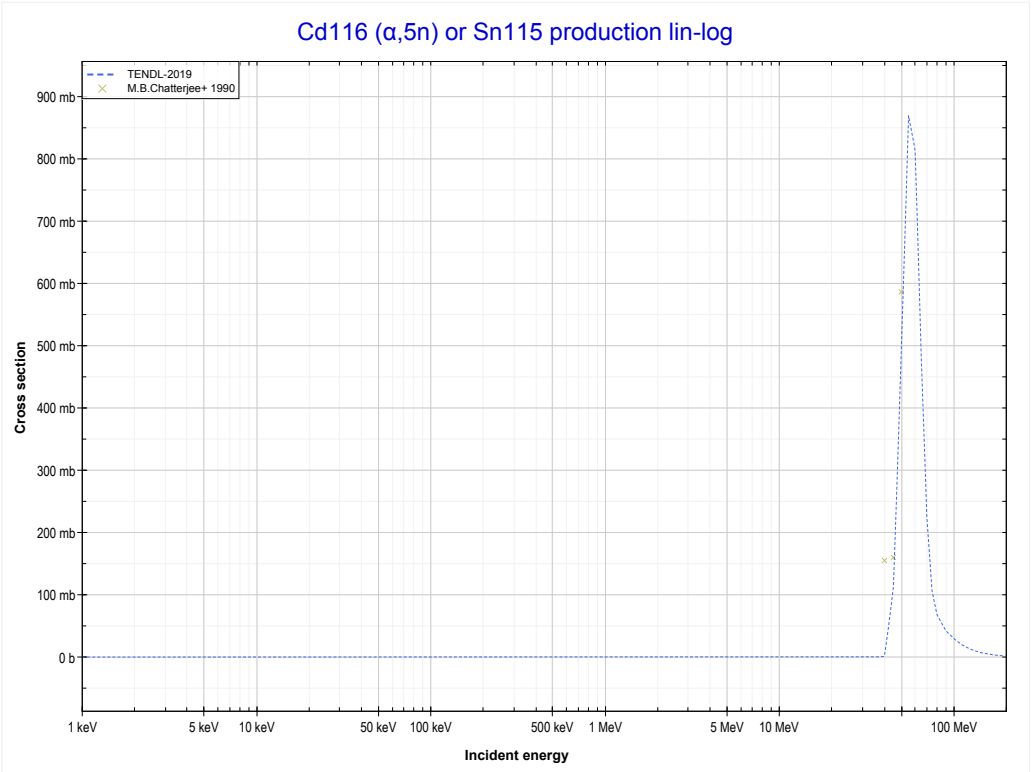
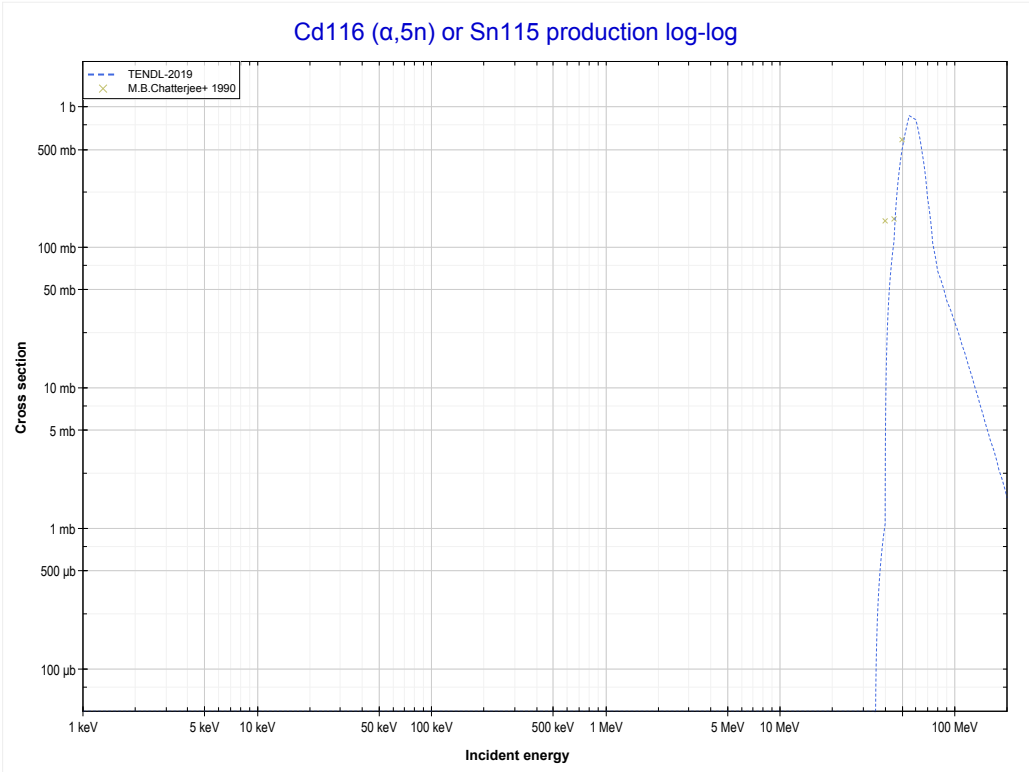
Reaction	Q-Value
Cd116(α,t)In117	-12294.37 keV
Cd116($\alpha,n+d$)In117	-18551.60 keV
Cd116($\alpha,2n+p$)In117	-20776.17 keV

<< 48-Cd-114	48-Cd-116	51-Sb-121 >>
<< MT41 ($\alpha,2n+p$)	MT42 ($\alpha,3n+p$) or MT5 (In116 production)	MT152 ($\alpha,5n$) >>



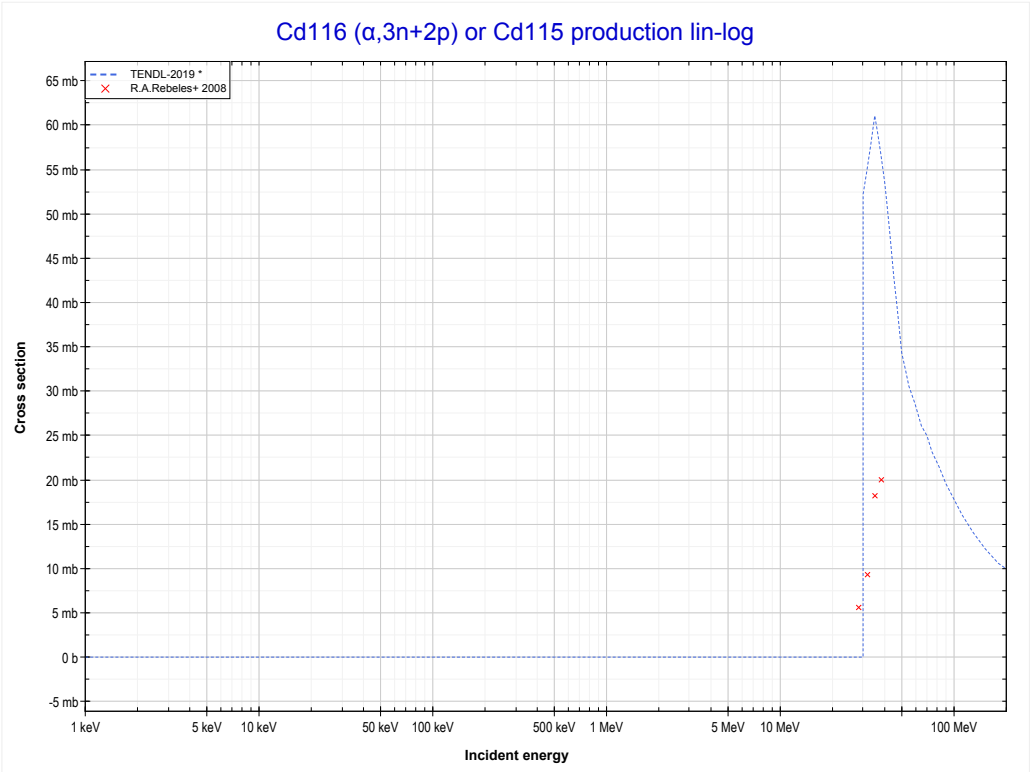
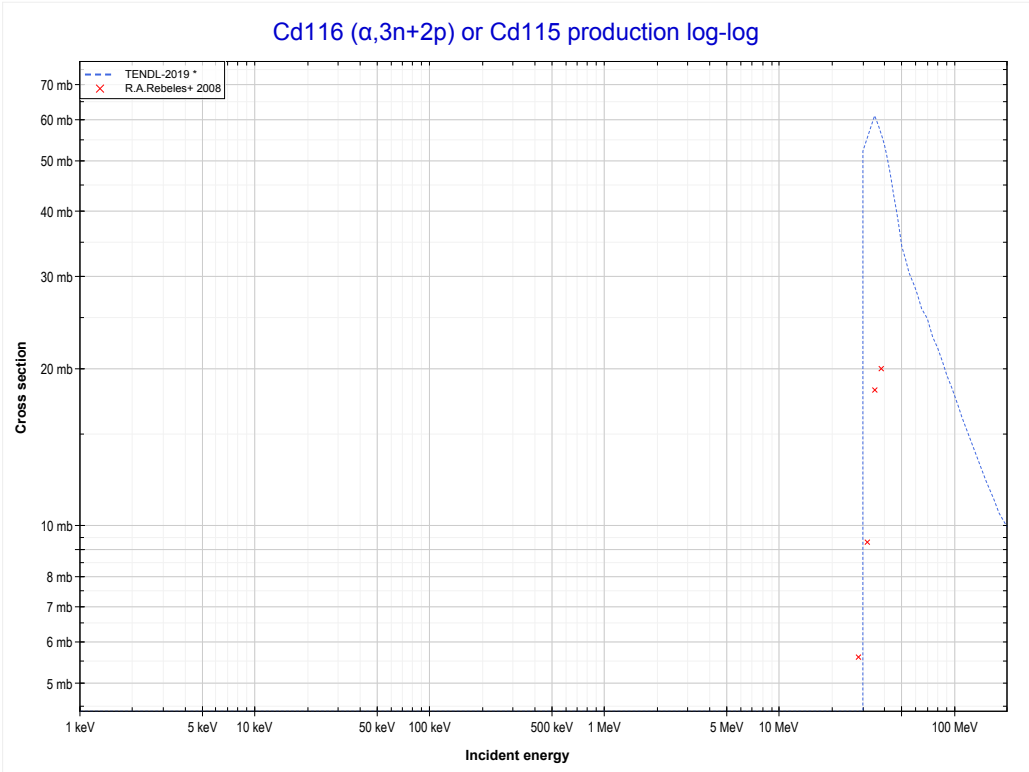
Reaction	Q-Value
Cd116($\alpha,n+t$)In116	-21058.94 keV
Cd116($\alpha,2n+d$)In116	-27316.17 keV
Cd116($\alpha,3n+p$)In116	-29540.74 keV

<< 48-Cd-114	48-Cd-116	65-Tb-159 >>
<< MT42 (α,3n+p)	MT152 (α,5n) or MT5 (Sn115 production)	MT179 (α,3n+2p) >>



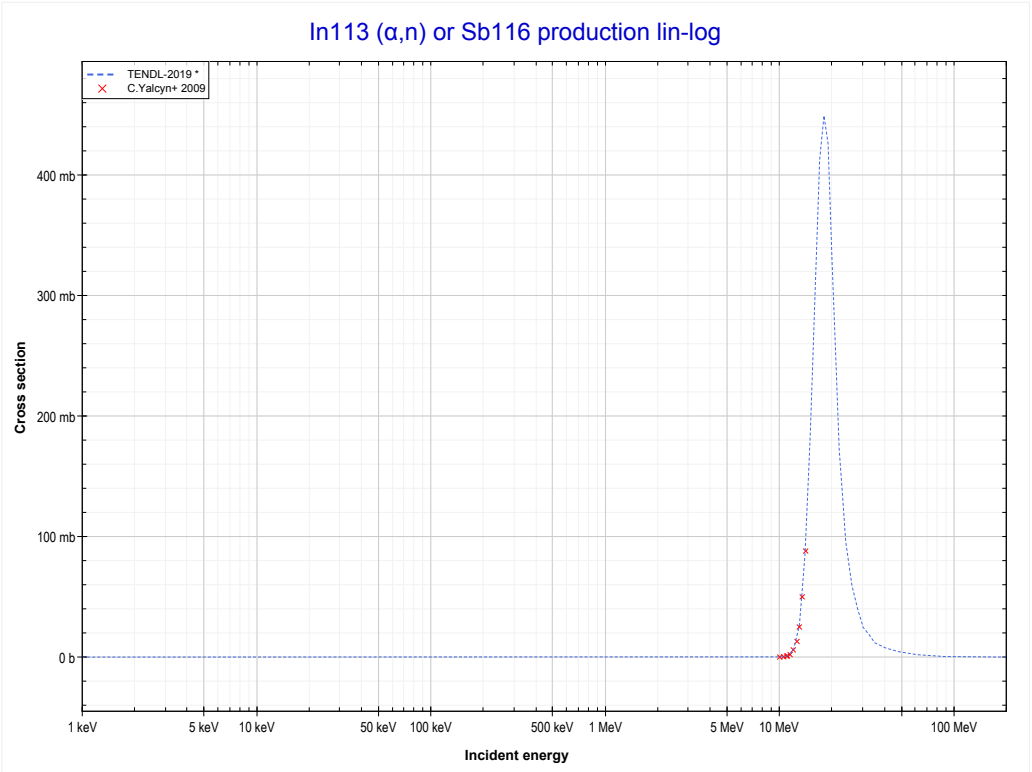
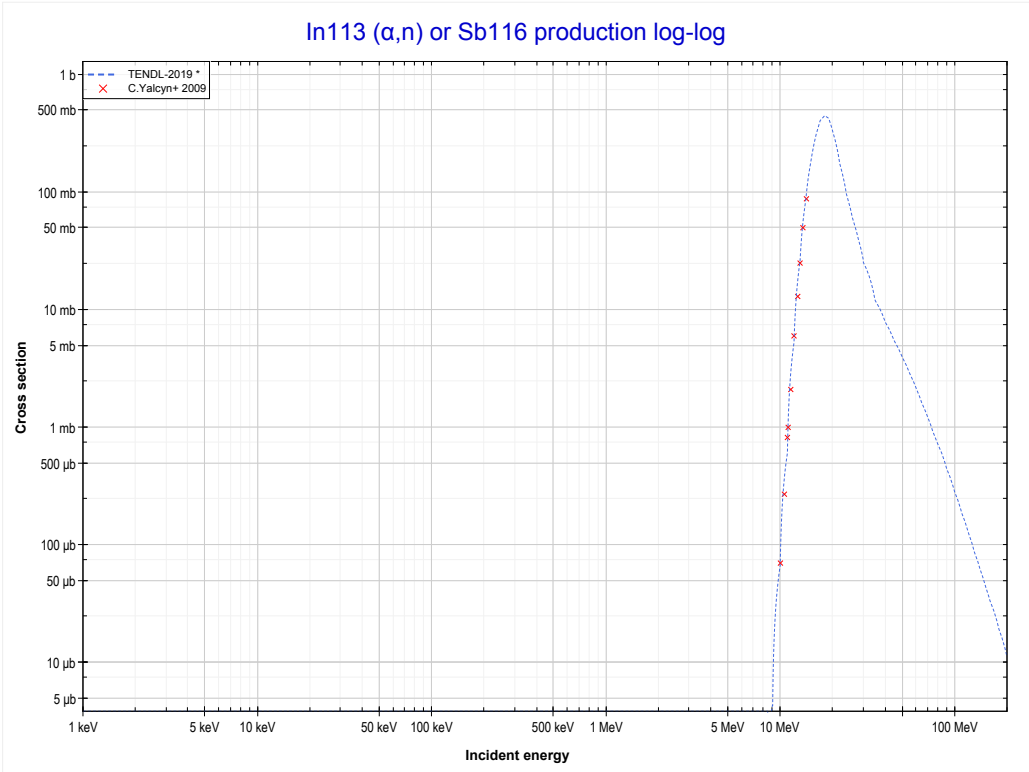
Reaction	Q-Value
Cd116(α,5n)Sn115	-36610.31 keV

<< 45-Rh-103	48-Cd-116	53-I-127 >>
<< MT152 (α,5n)	MT179 (α,3n+2p) or MT5 (Cd115 production)	49-In-113 MT4 (α,n) >>



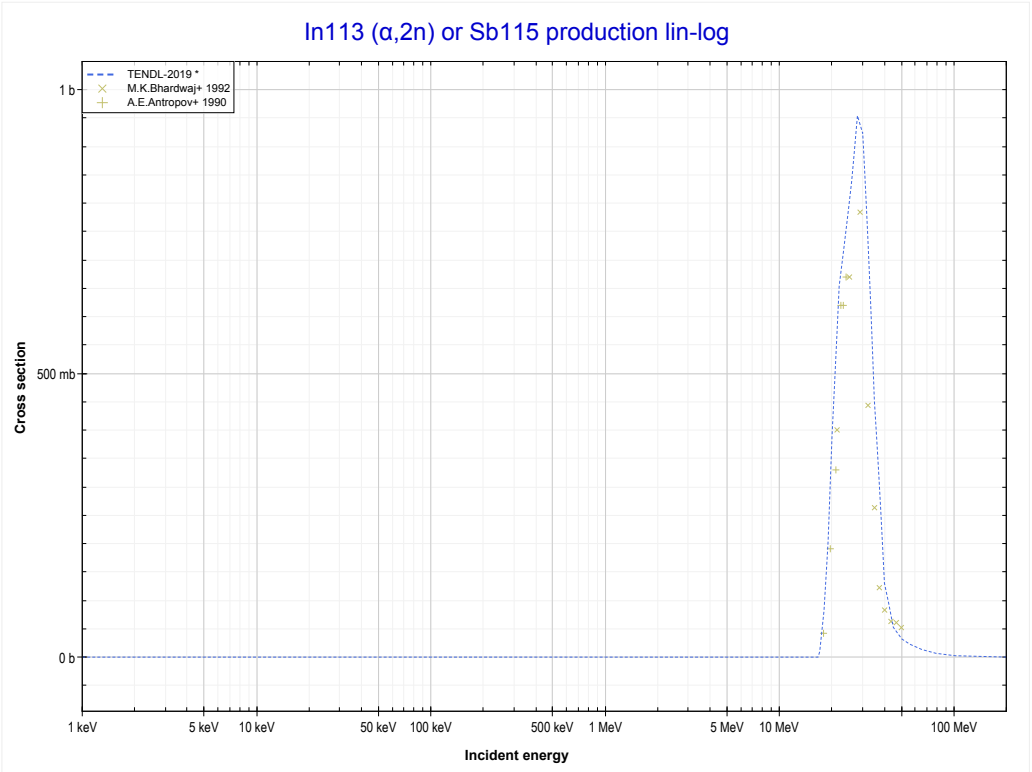
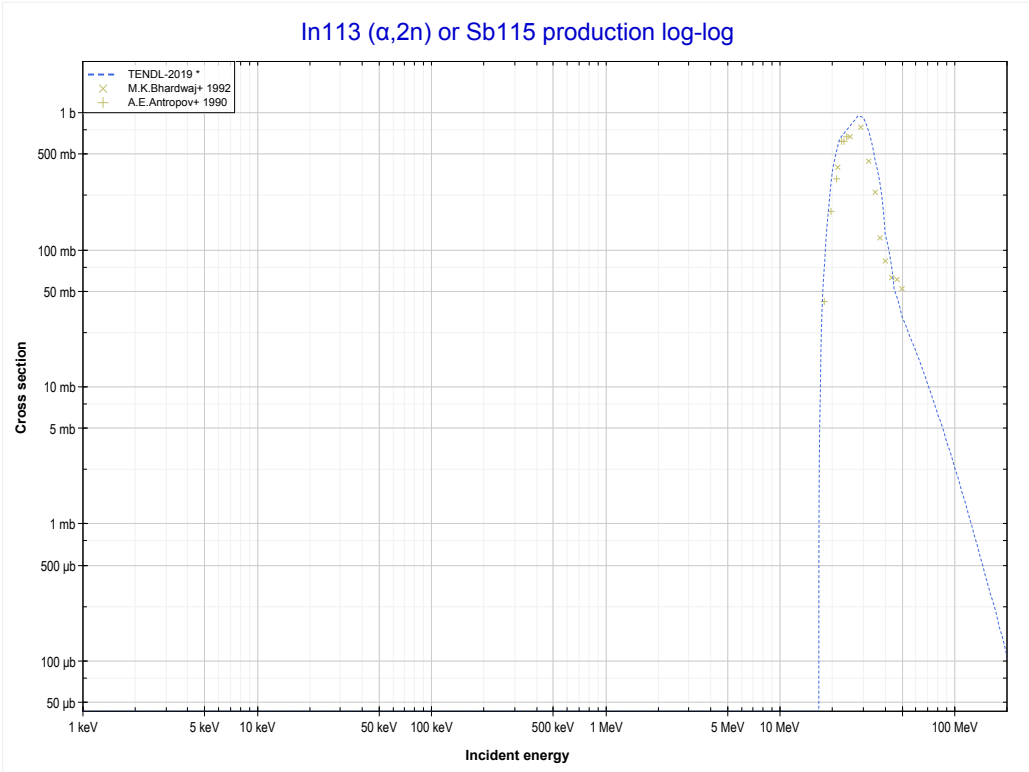
Reaction	Q-Value
Cd116(α,n+α)Cd115	-8699.30 keV
Cd116(α,d+t)Cd115	-26288.60 keV
Cd116(α,n+p+t)Cd115	-28513.16 keV
Cd116(α,2n+He3)Cd115	-29276.92 keV
Cd116(α,n+2d)Cd115	-32545.82 keV
Cd116(α,2n+p+d)Cd115	-34770.39 keV
Cd116(α,3n+2p)Cd115	-36994.96 keV

<< 48-Cd-116	49-In-113	49-In-115 >>
<< 48-Cd-116 MT179 ($\alpha,3n+2p$)	MT4 (α,n) or MT5 (Sb116 production)	MT16 ($\alpha,2n$) >>



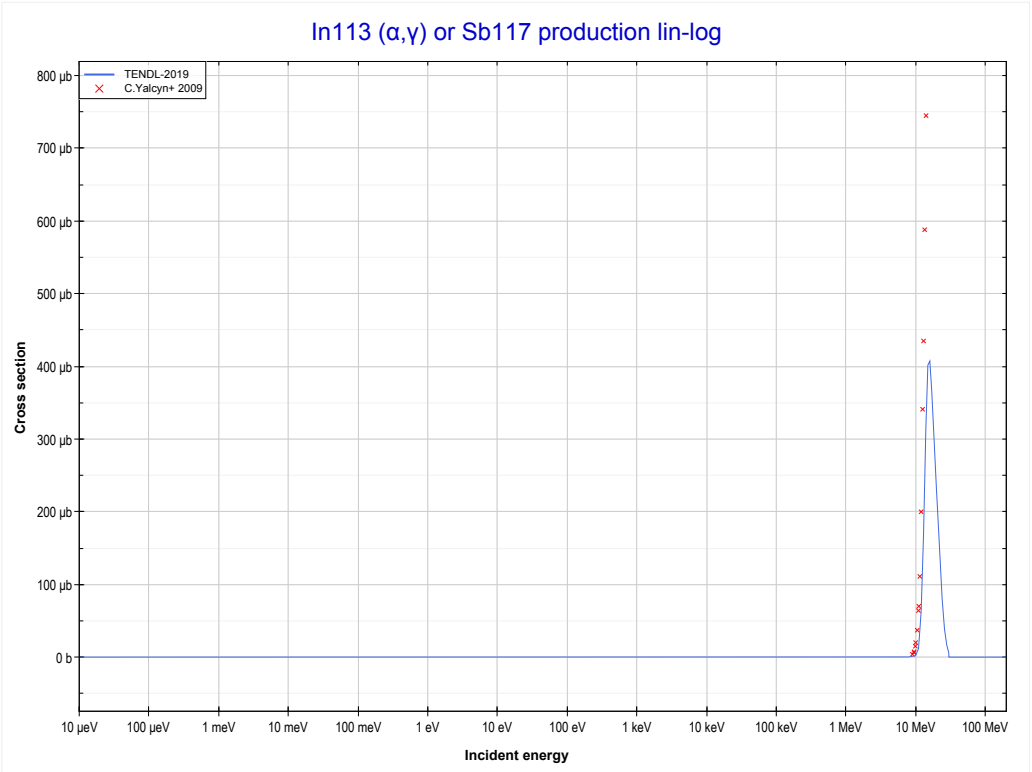
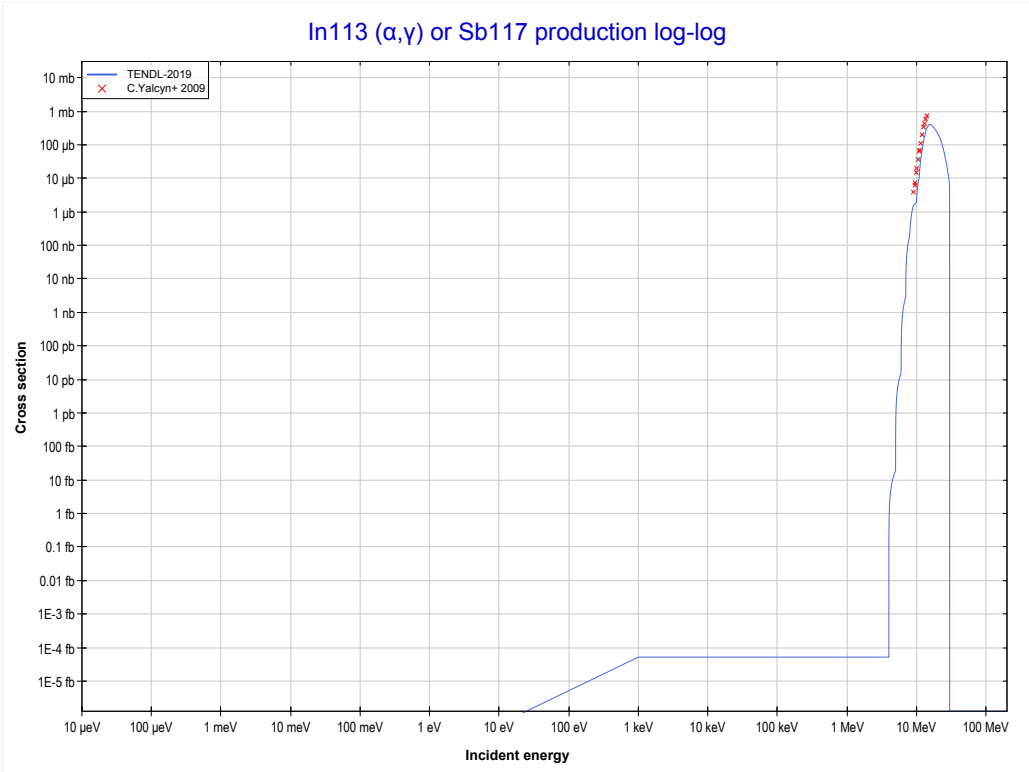
Reaction	Q-Value
In113(α,n)Sb116	-8191.52 keV

<< 48-Cd-114	49-In-113	49-In-115 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Sb115 production)	MT102 (α,γ) >>



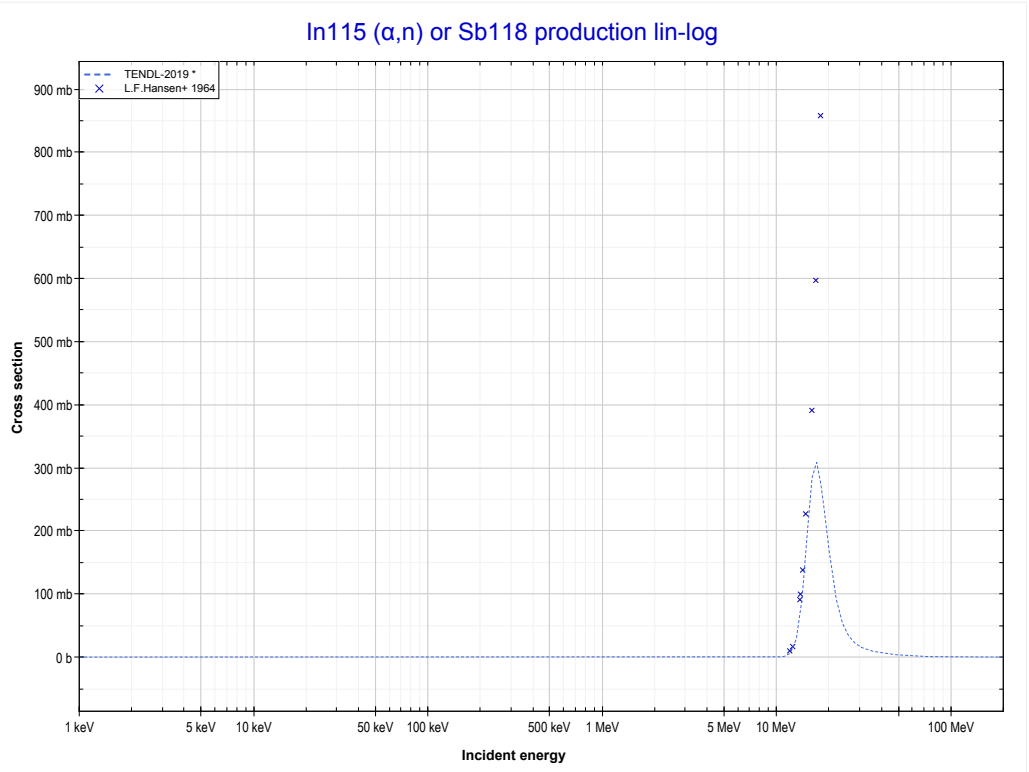
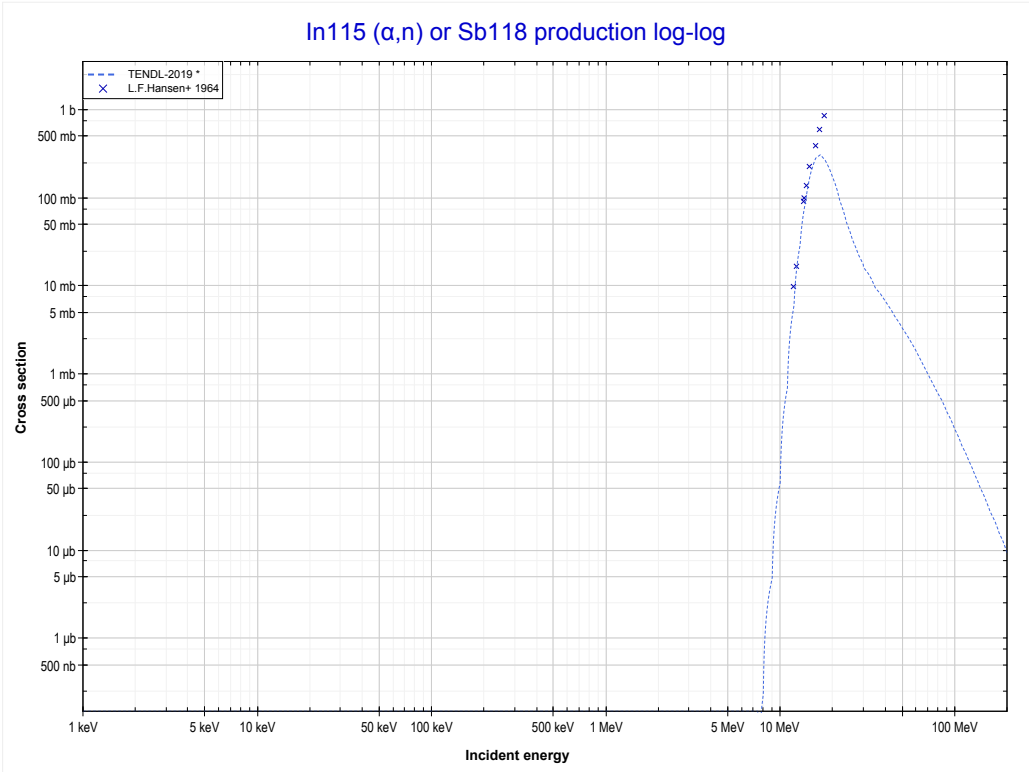
Reaction	Q-Value
In113(α,2n)Sb115	-16081.84 keV

<< 48-Cd-106	49-In-113	49-In-115 >>
<< MT16 ($\alpha,2n$)	MT102 (α,γ) or MT5 (Sb117 production)	49-In-115 MT4 (α,n) >>



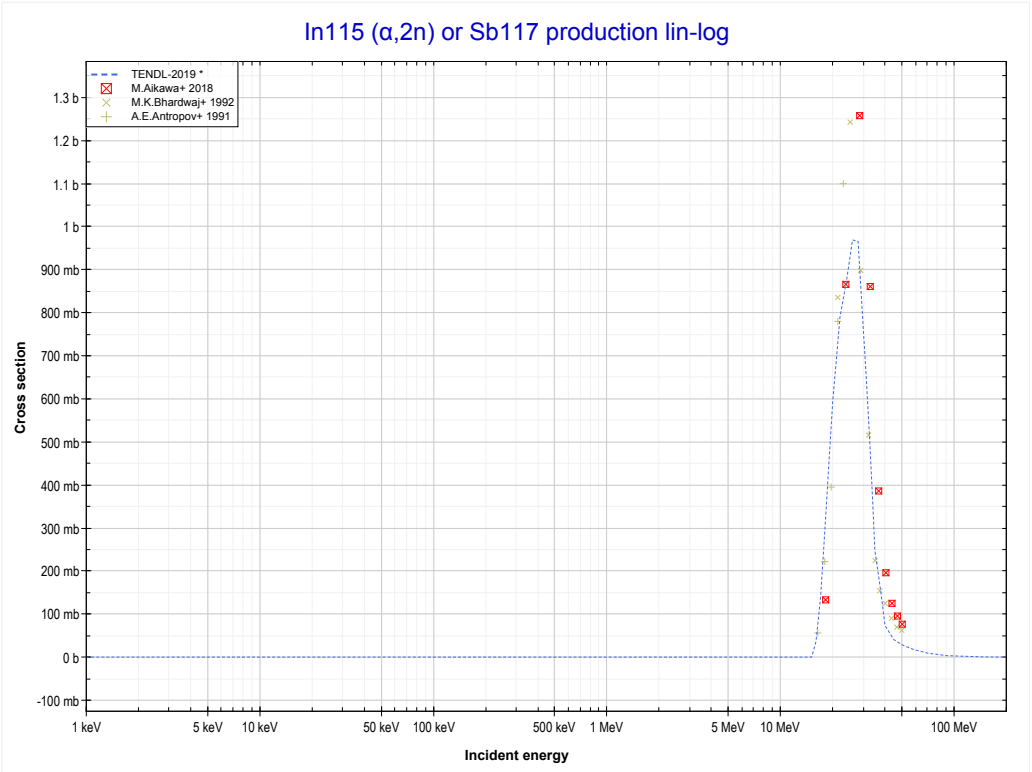
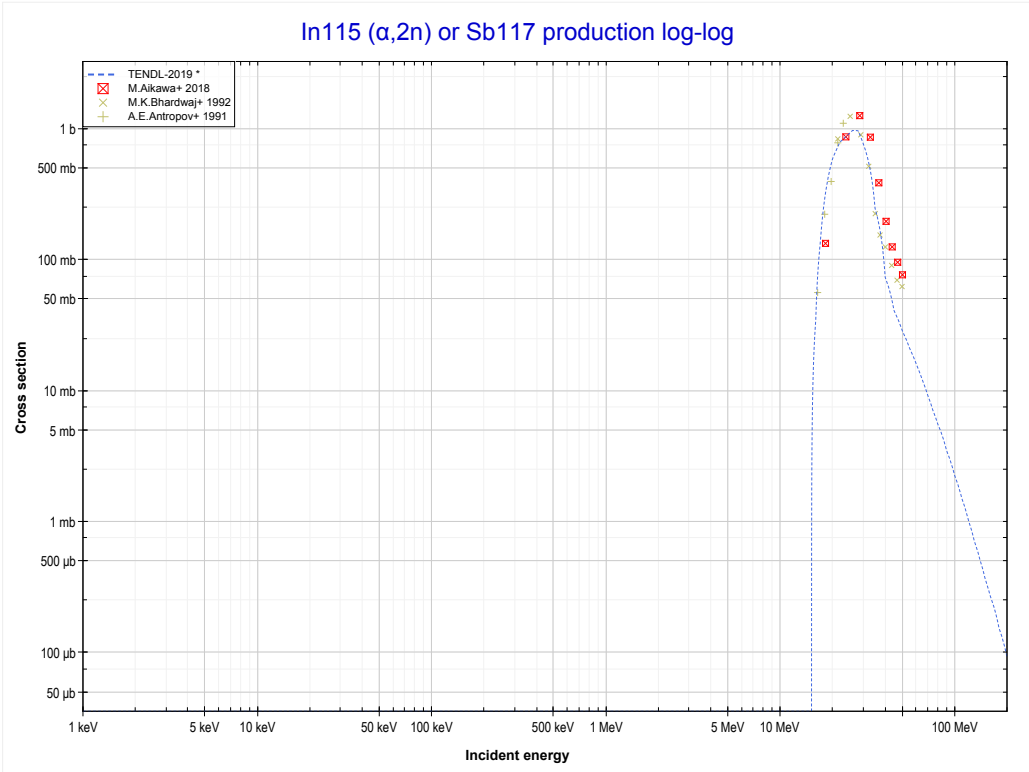
Reaction	Q-Value
In113(α,γ)Sb117	1697.80 keV

<< 49-In-113	49-In-115	50-Sn-112 >>
<< 49-In-113 MT102 (α,γ)	MT4 (α,n) or MT5 (Sb118 production)	MT16 (α,2n) >>



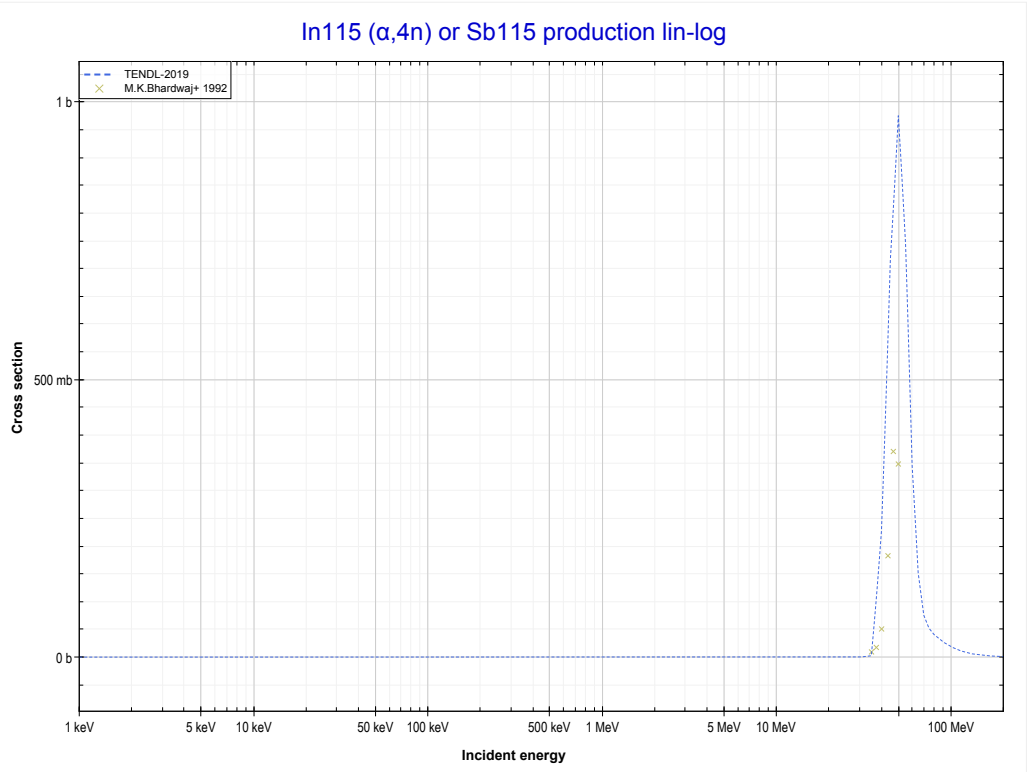
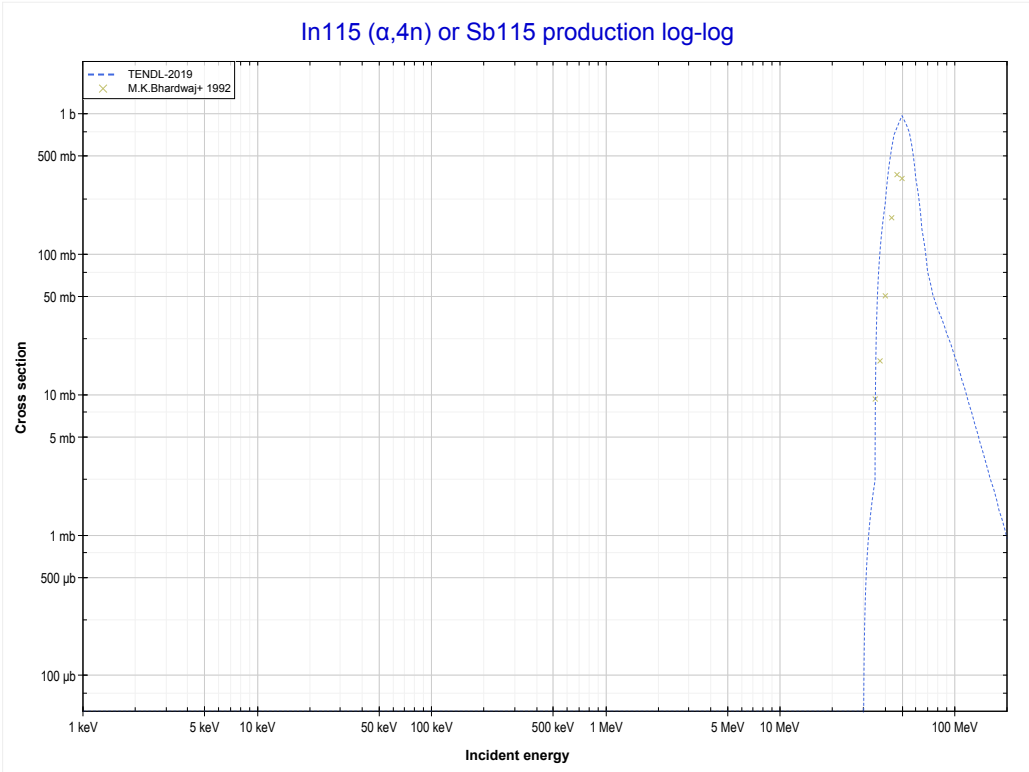
Reaction	Q-Value
In115(α,n)Sb118	-7186.75 keV

<< 49-In-113	49-In-115	50-Sn-116 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Sb117 production)	MT37 (α,4n) >>



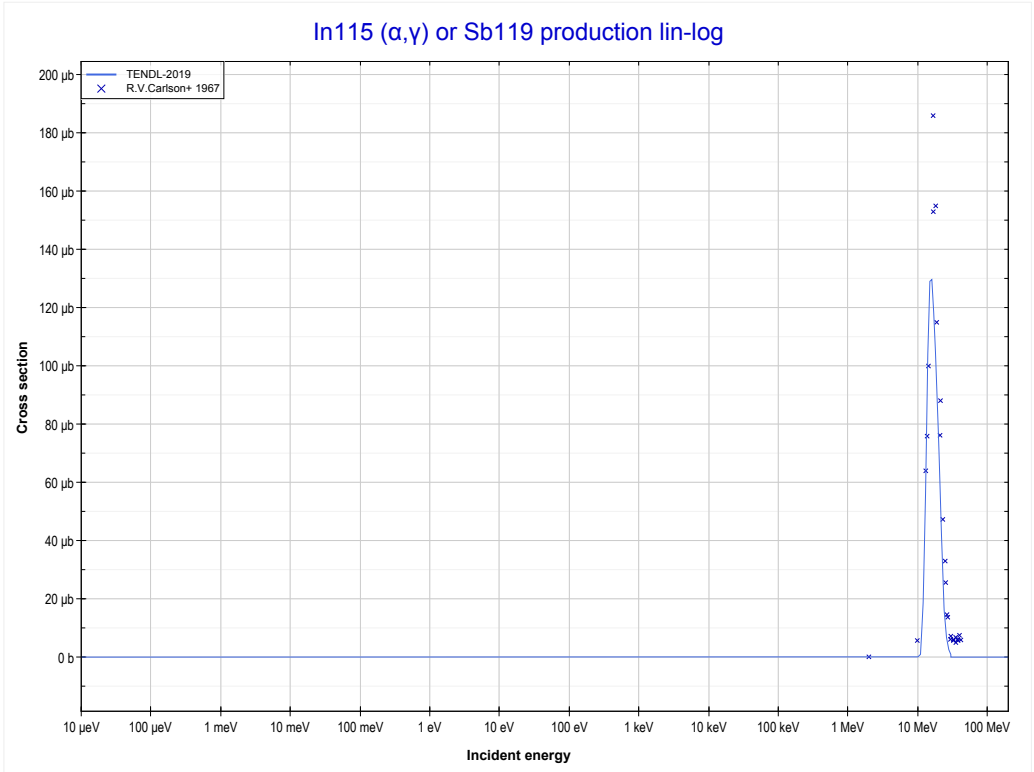
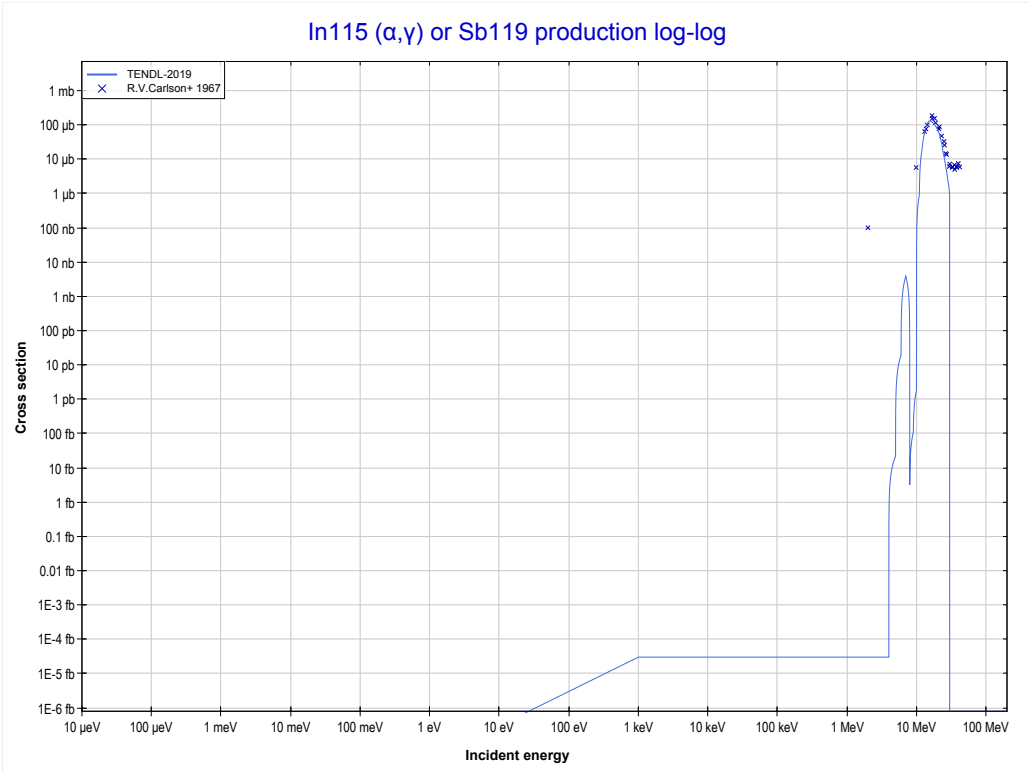
Reaction	Q-Value
In115(α,2n)Sb117	-14614.06 keV

<< 48-Cd-116	49-In-115	51-Sb-121 >>
<< MT16 (α ,2n)	MT37 (α ,4n) or MT5 (Sb115 production)	MT102 (α , γ) >>



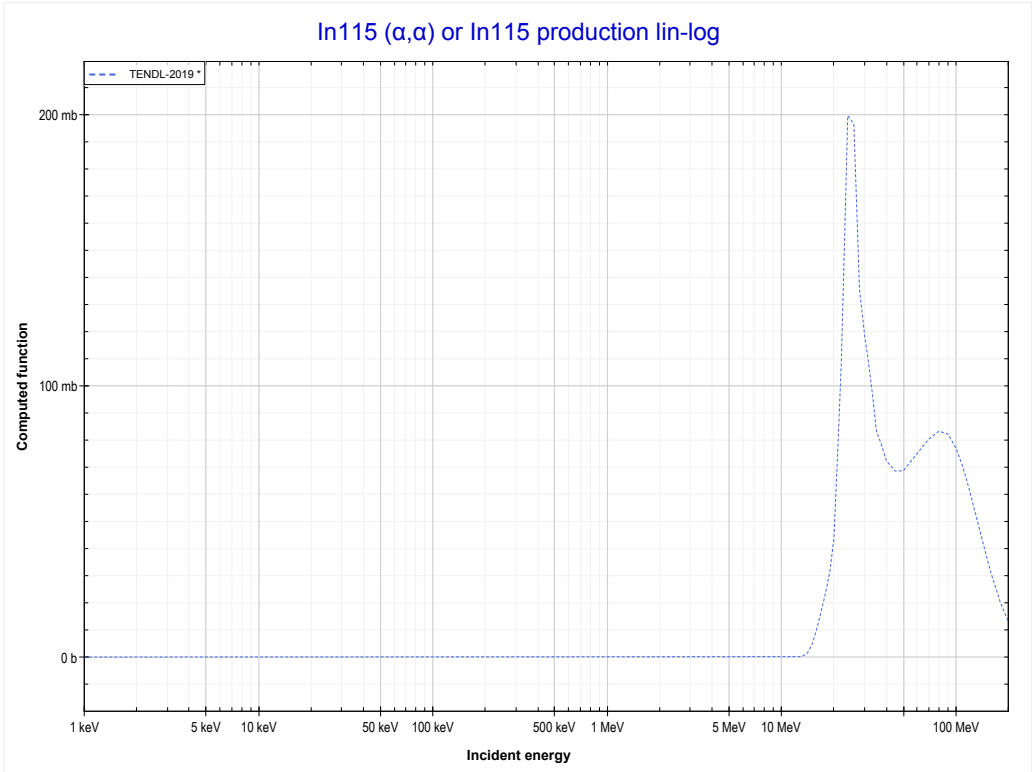
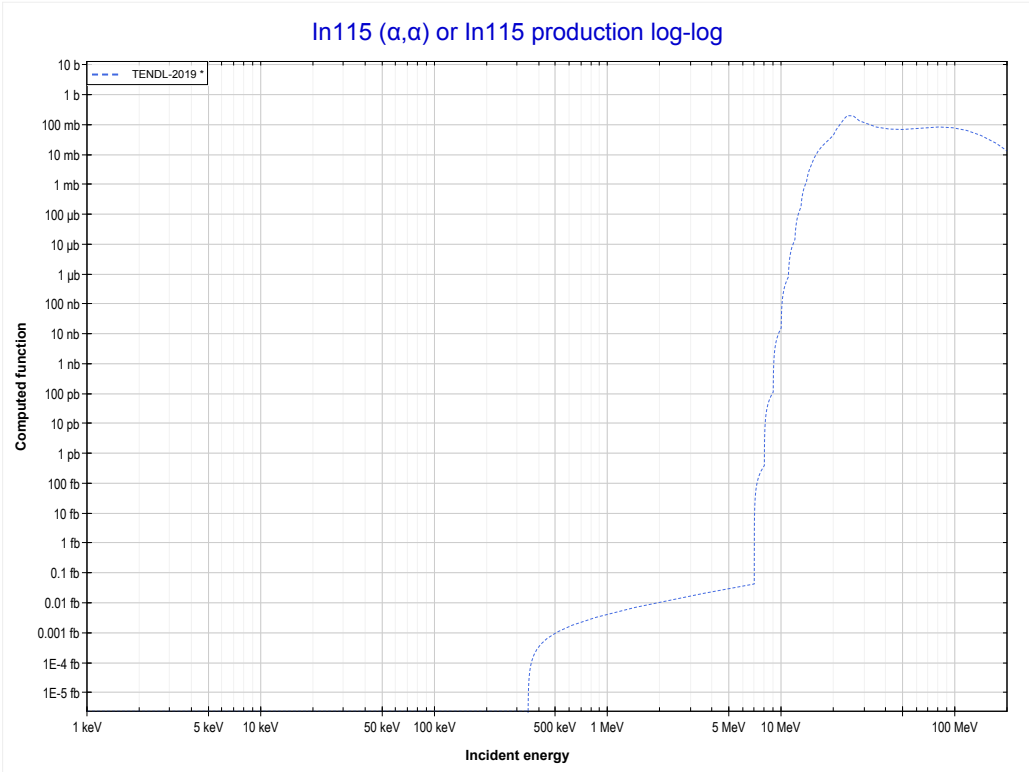
Reaction	Q-Value
In115(α ,4n)Sb115	-32393.70 keV

<< 49-In-113	49-In-115	50-Sn-112 >>
<< MT37 ($\alpha,4n$)	MT102 (α,γ) or MT5 (Sb119 production)	MT107 (α,α) >>



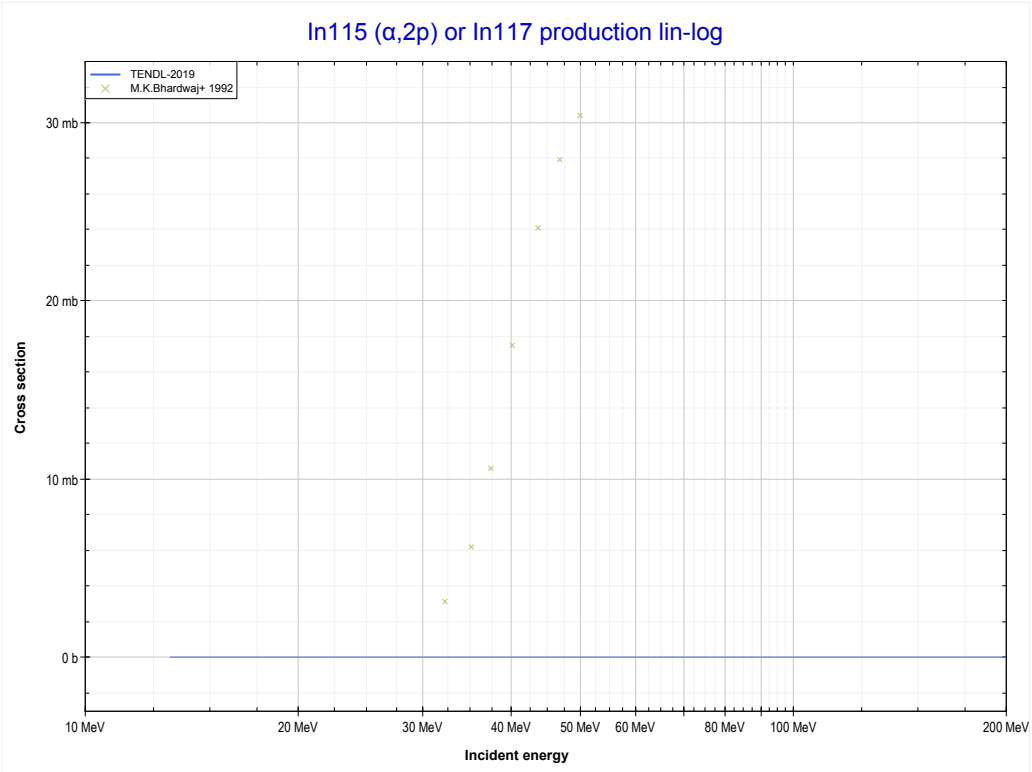
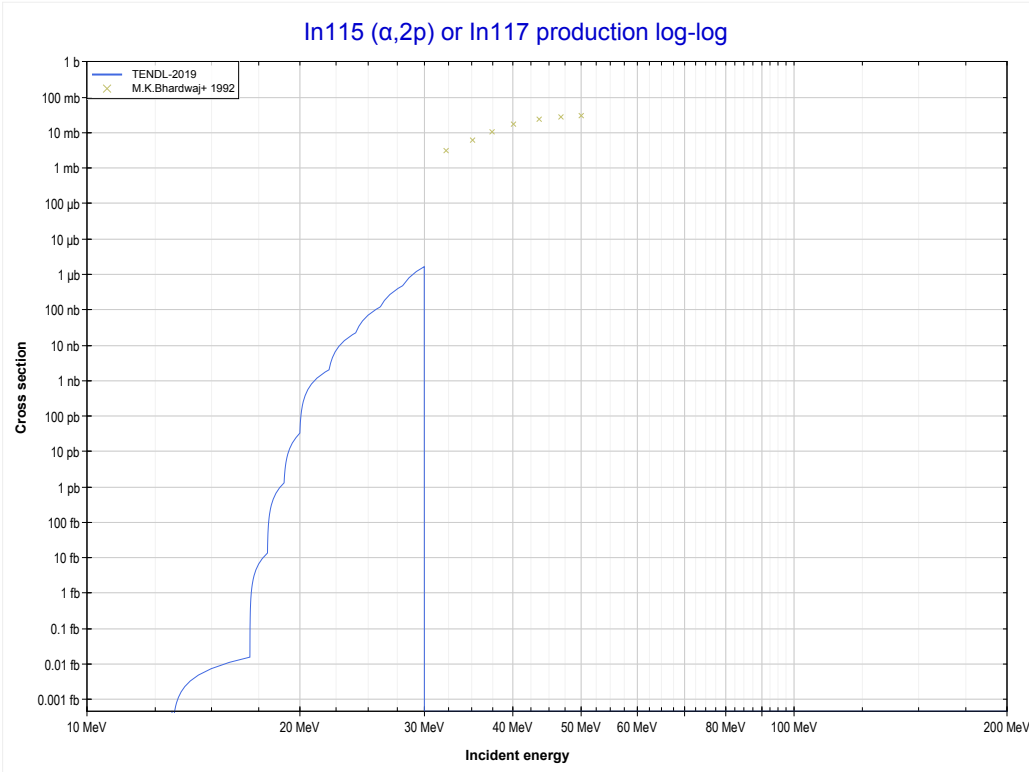
Reaction	Q-Value
In115(α,γ)Sb119	2362.57 keV

<< 48-Cd-111	49-In-115	
<< MT102 (α,γ)	MT107 (α,α) or MT5 (In115 production)	MT111 ($\alpha,2p$) >>



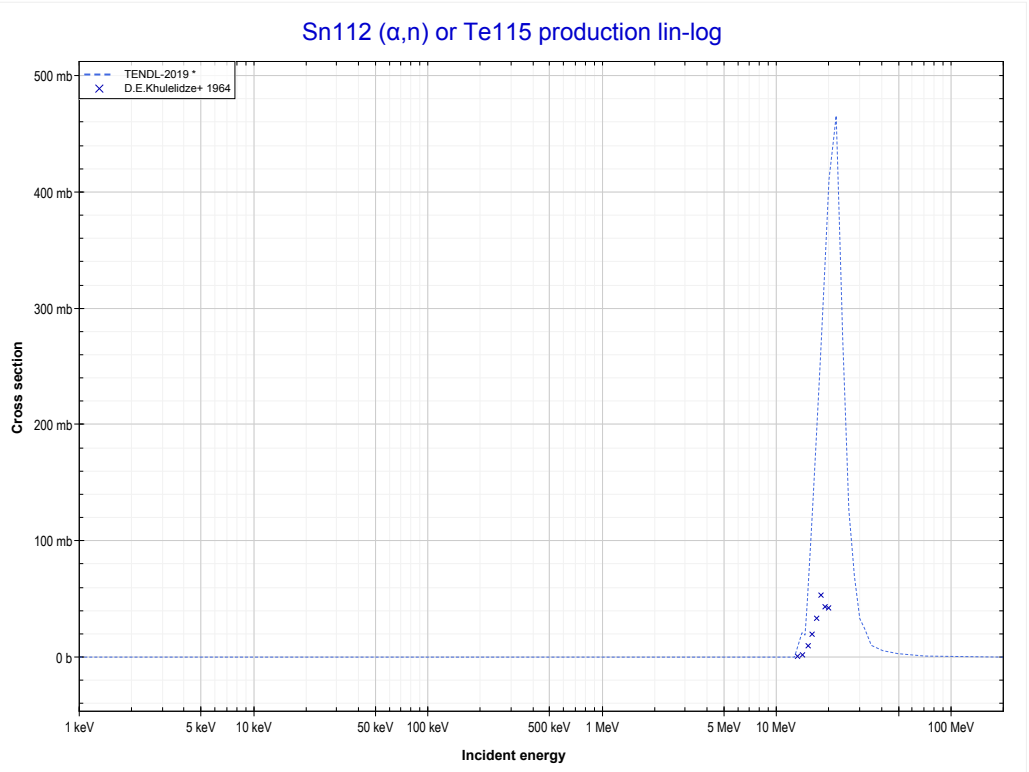
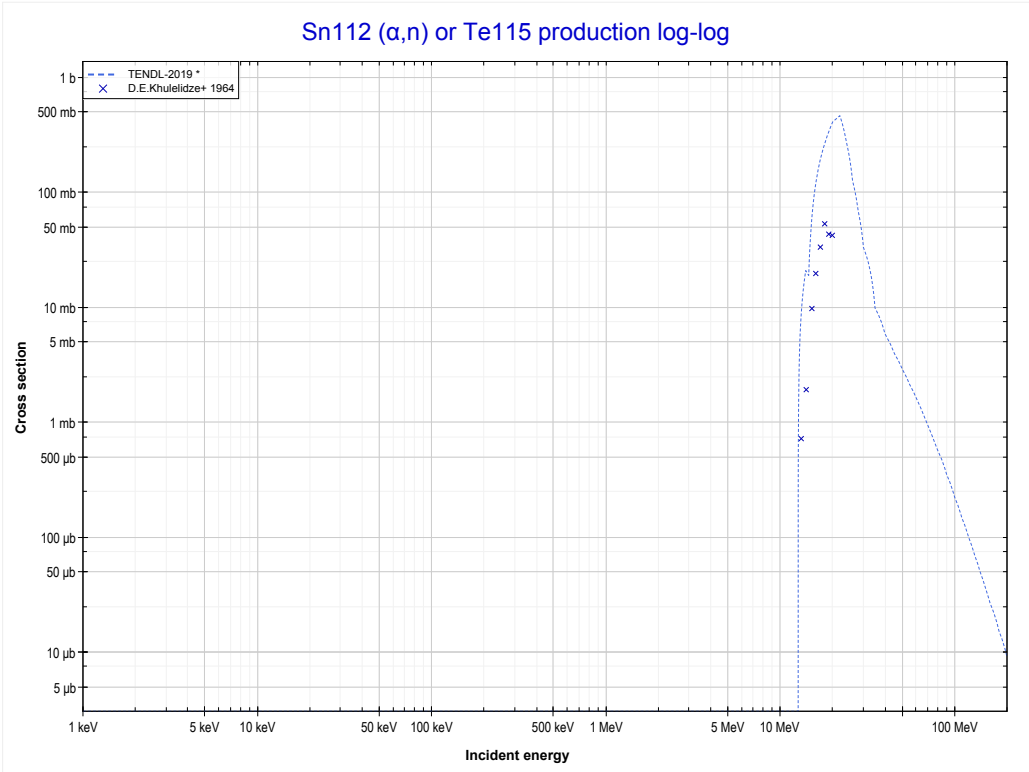
Reaction	Q-Value
In115(α,α)In115	0.00 keV
In115($\alpha,p+t$)In115	-19813.86 keV
In115($\alpha,n+He3$)In115	-20577.62 keV
In115($\alpha,2d$)In115	-23846.53 keV
In115($\alpha,n+p+d$)In115	-26071.09 keV
In115($\alpha,2n+2p$)In115	-28295.66 keV

<< 47-Ag-109	49-In-115	
<< MT107 (α,α)	MT111 (α,2p) or MT5 (In117 production)	50-Sn-112 MT4 (α,n) >>



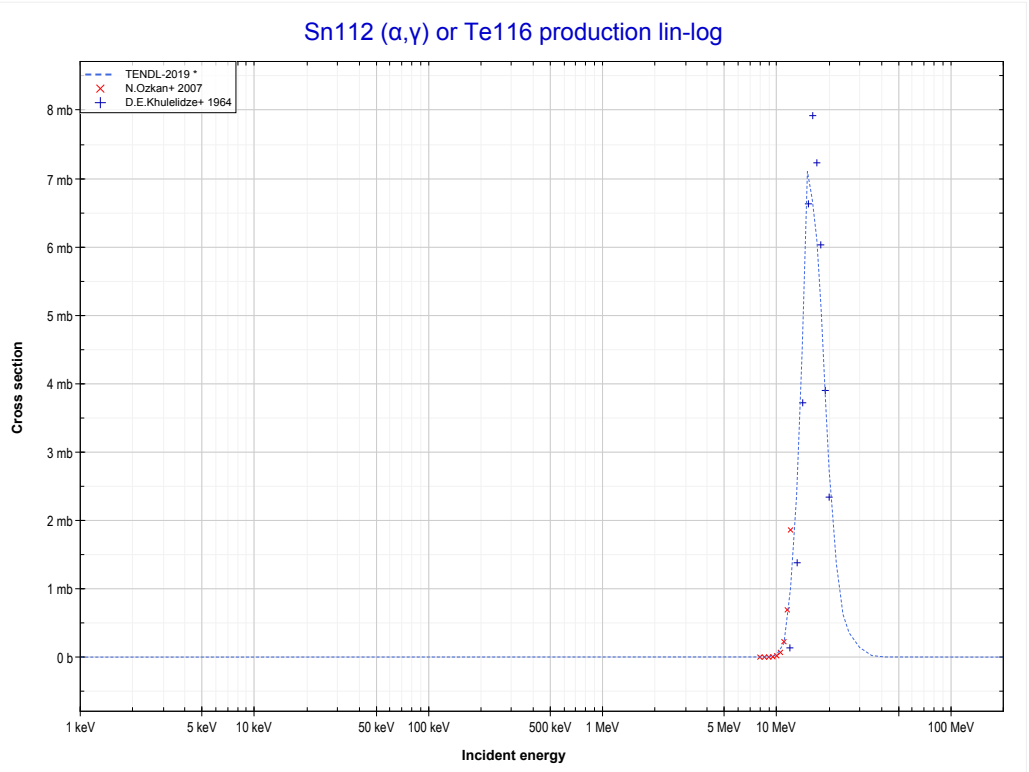
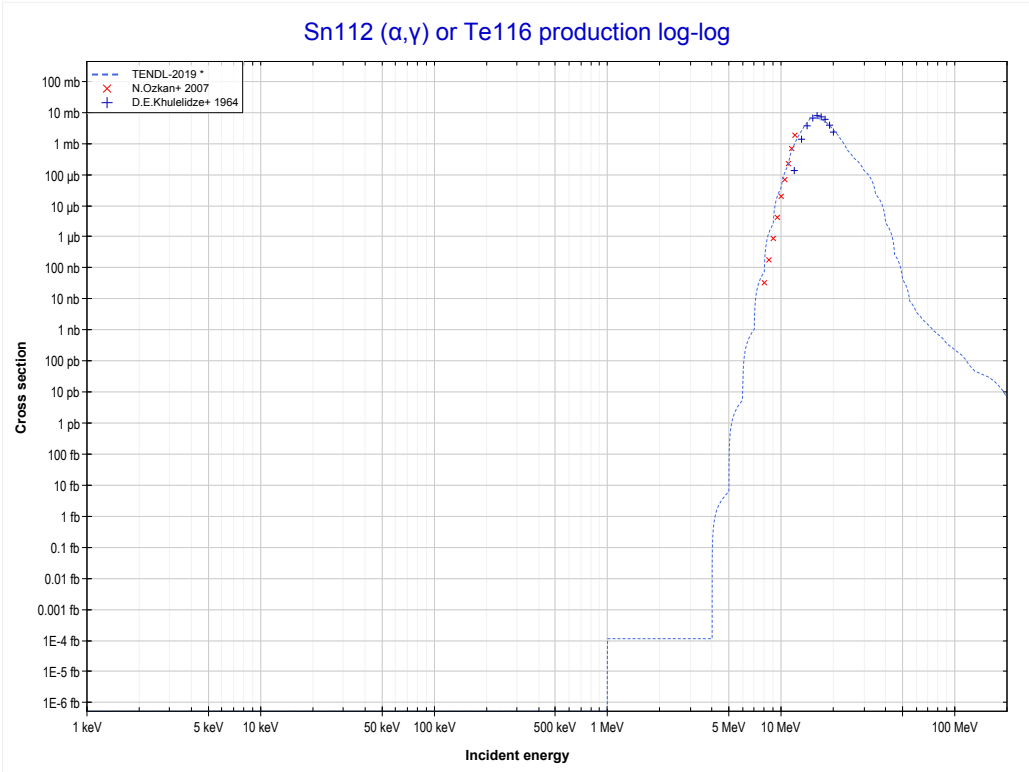
Reaction	Q-Value
In115(α,2p)In117	-12746.37 keV

<< 49-In-115	50-Sn-112	50-Sn-114 >>
<< 49-In-115 MT111 (α,2p)	MT4 (α,n) or MT5 (Te115 production)	MT102 (α,γ) >>



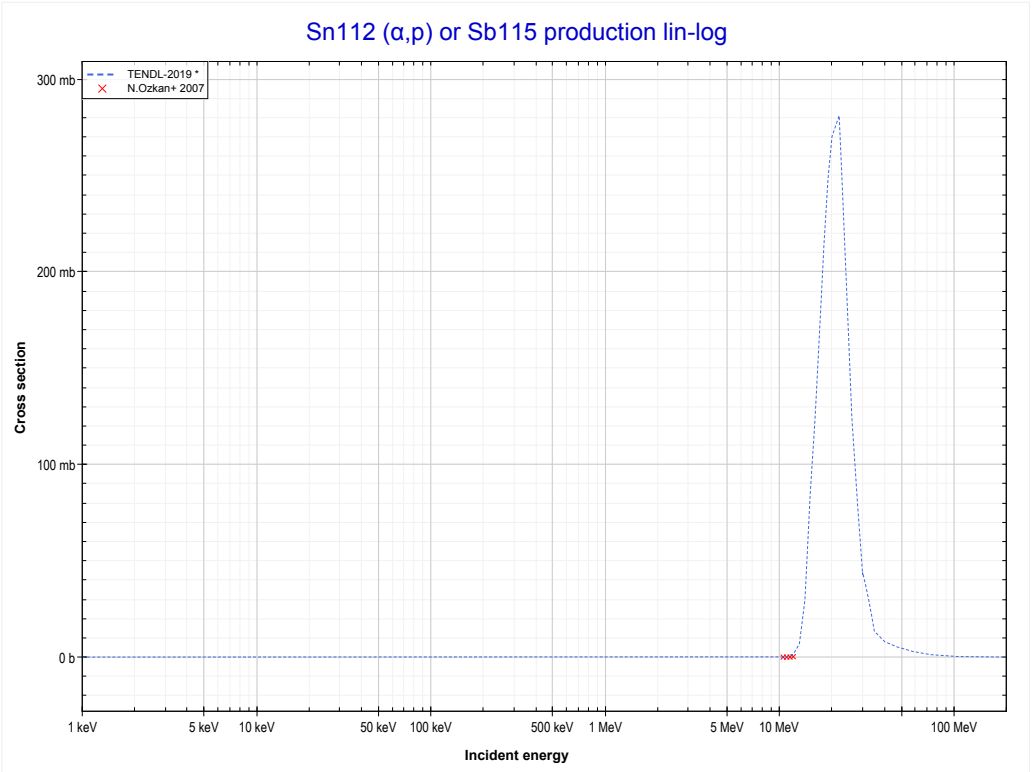
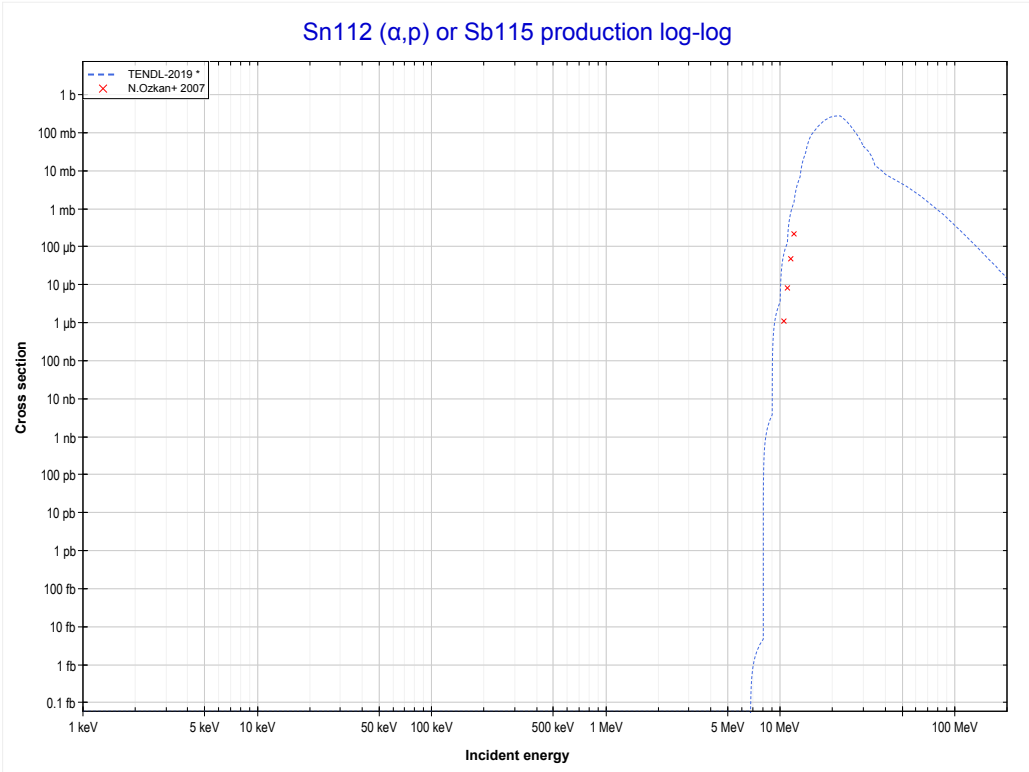
Reaction	Q-Value
Sn112(α,n)Te115	-12238.46 keV

<< 49-In-115	50-Sn-112	50-Sn-115 >>
<< MT4 (α,n)	MT102 (α,γ) or MT5 (Te116 production)	MT103 (α,p) >>



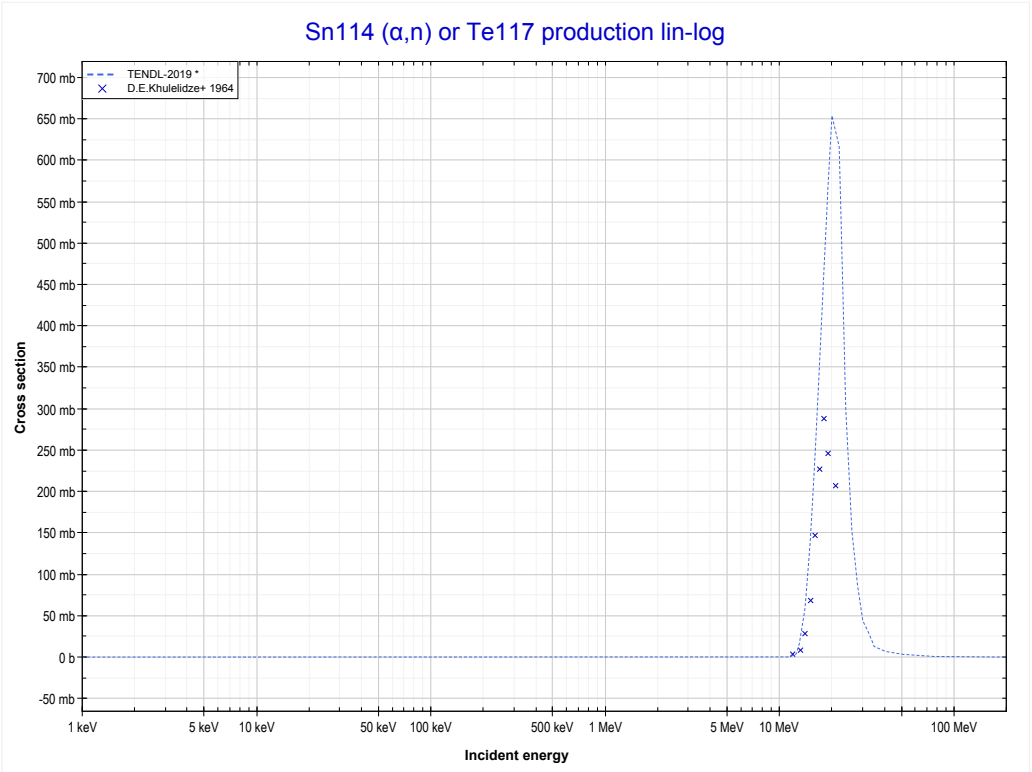
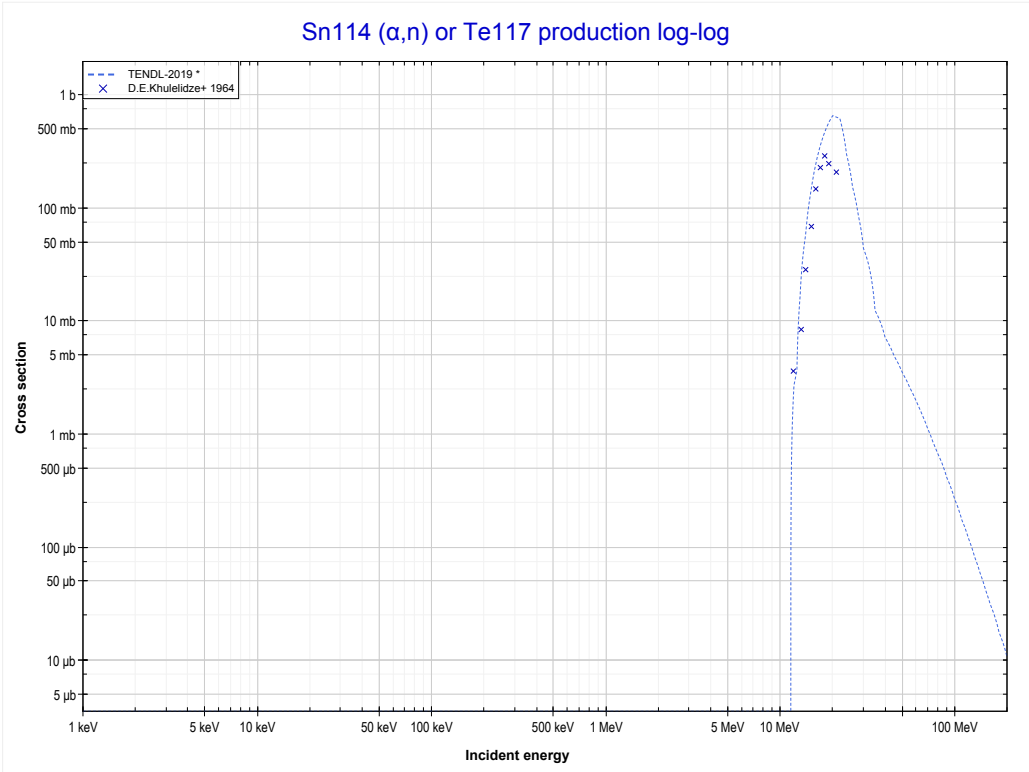
Reaction	Q-Value
Sn112(α,γ)Te116	-961.14 keV

<< 48-Cd-114	50-Sn-112	50-Sn-117 >>
<< MT102 (α,γ)	MT103 (α,p) or MT5 (Sb115 production)	50-Sn-114 MT4 (α,n) >>



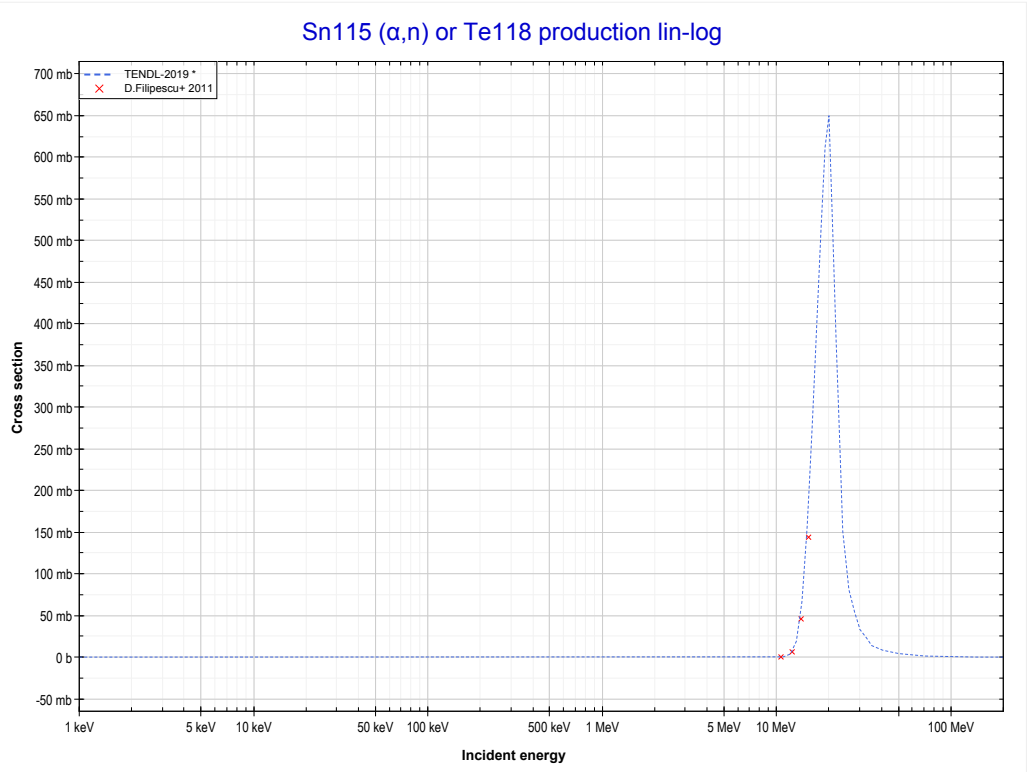
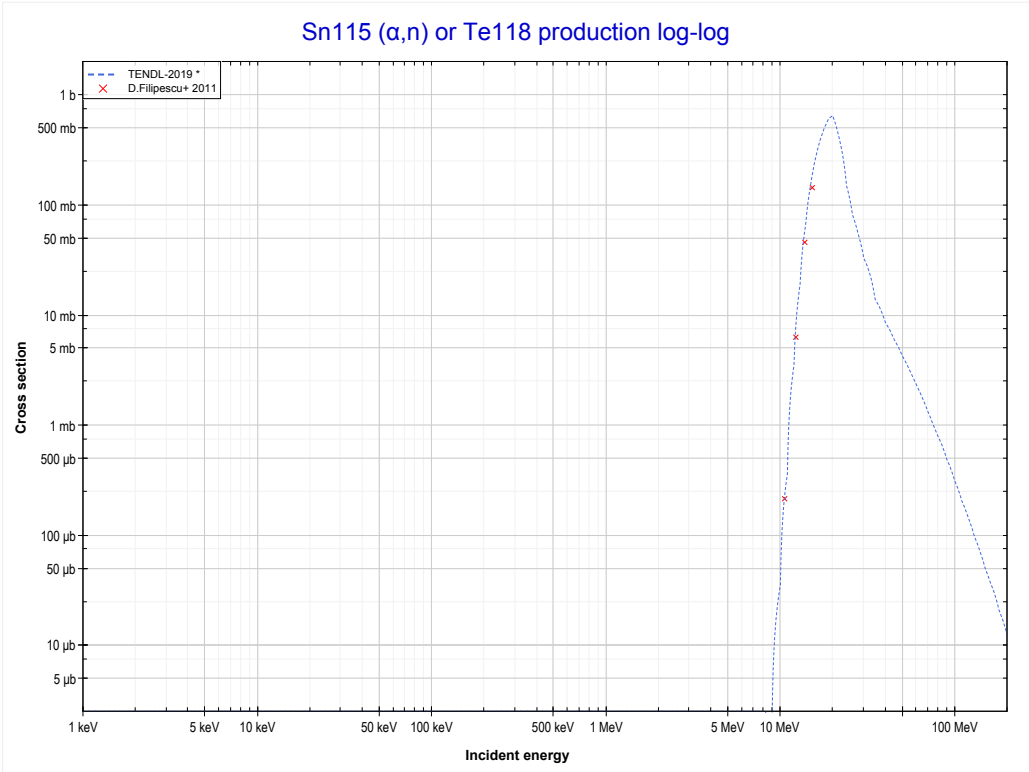
Reaction	Q-Value
Sn112(α,p)Sb115	-6516.11 keV

<< 50-Sn-112	50-Sn-114	50-Sn-115 >>
<< 50-Sn-112 MT103 (α,p)	MT4 (α,n) or MT5 (Te117 production)	50-Sn-115 MT4 (α,n) >>



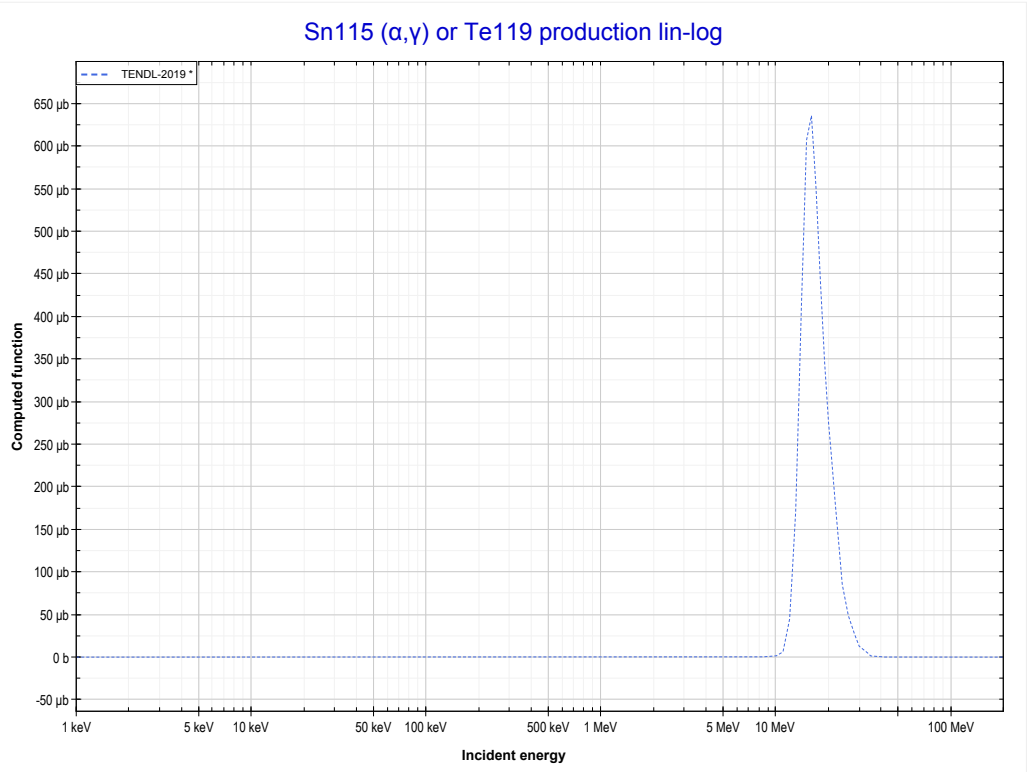
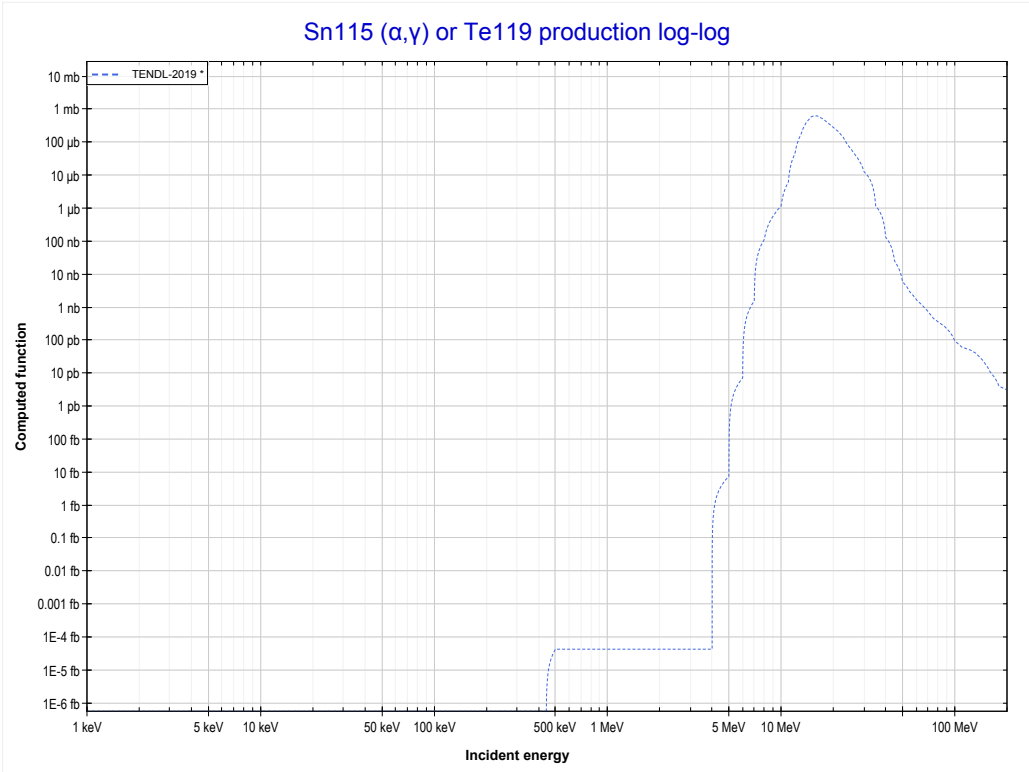
Reaction	Q-Value
Sn114(α,n)Te117	-11111.12 keV

<< 50-Sn-114	50-Sn-115	50-Sn-116 >>
<< 50-Sn-114 MT4 (α,n)	MT4 (α,n) or MT5 (Te118 production)	MT102 (α,γ) >>



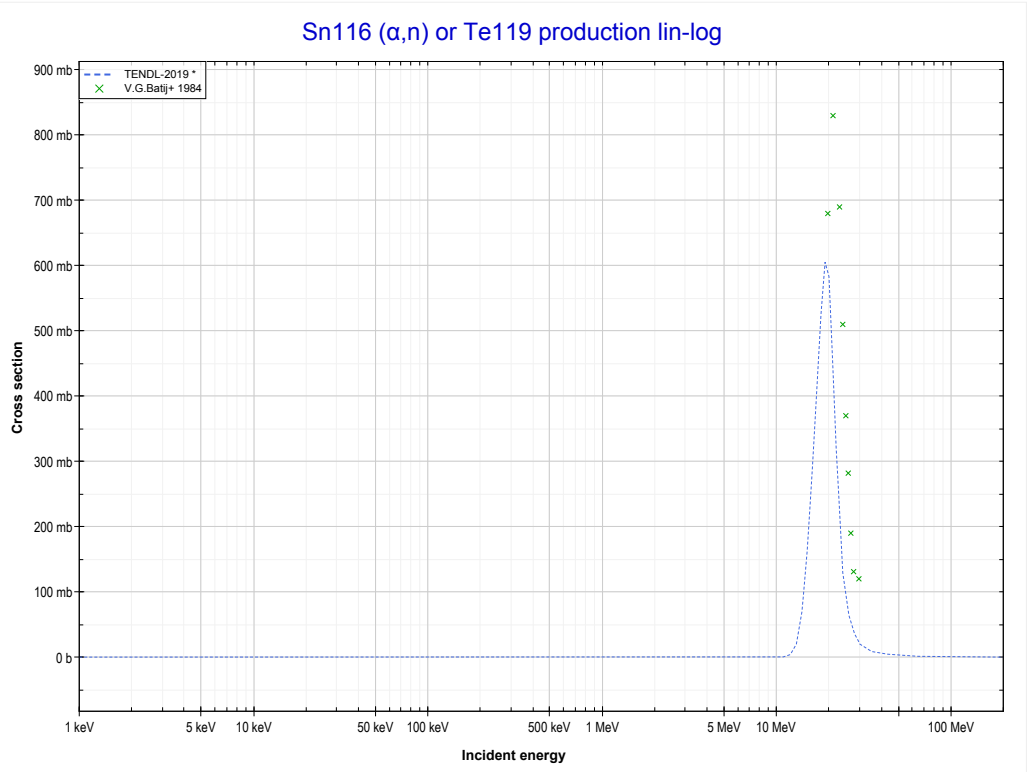
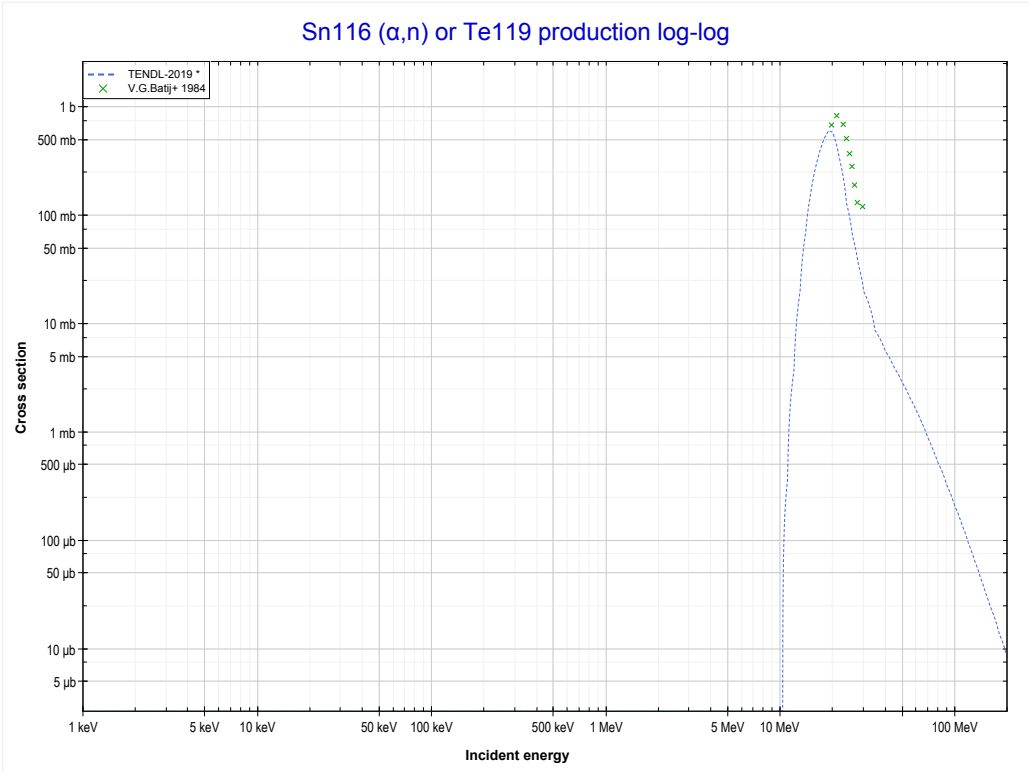
Reaction	Q-Value
Sn115(α,n)Te118	-7983.24 keV

<< 50-Sn-112	50-Sn-115	50-Sn-117 >>
<< MT4 (α,n)	MT102 (α,γ) or MT5 (Te119 production)	50-Sn-116 MT4 (α,n) >>



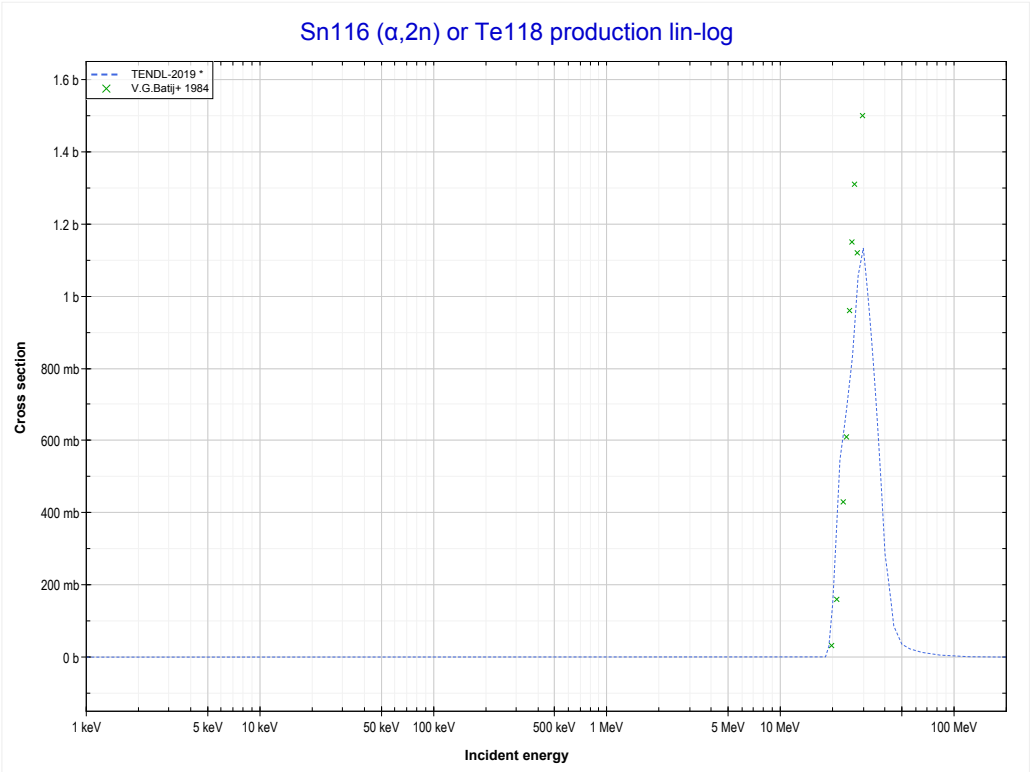
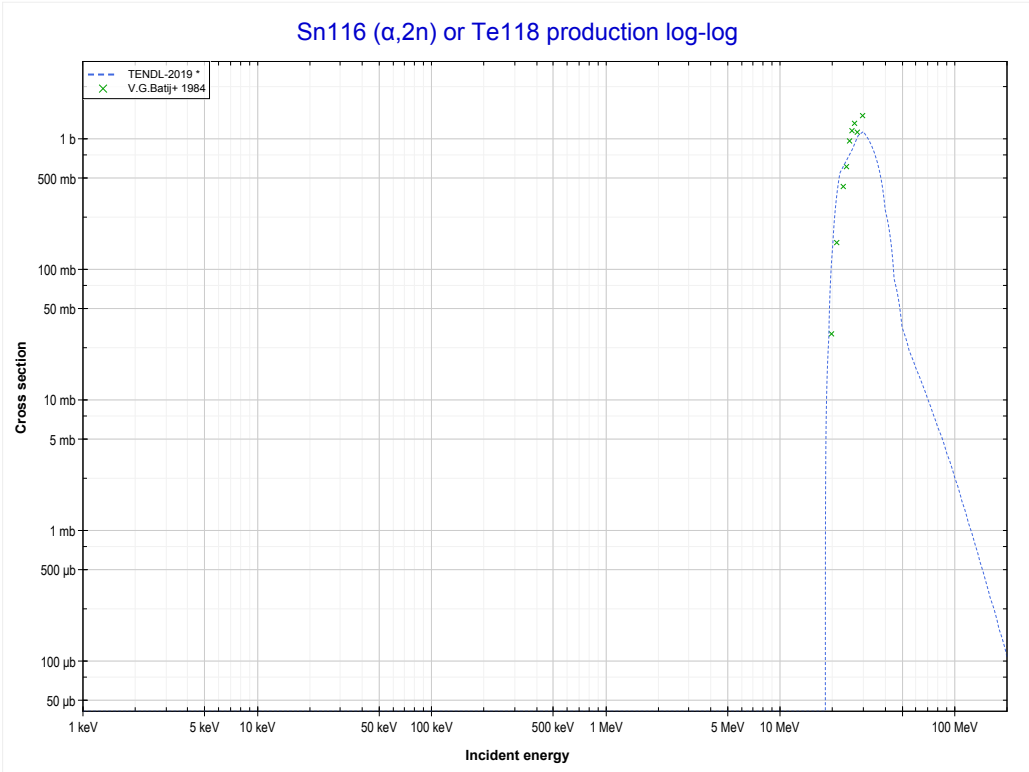
Reaction	Q-Value
Sn115(α,γ)Te119	-427.92 keV

<< 50-Sn-115	50-Sn-116	50-Sn-118 >>
<< 50-Sn-115 MT102 (α,γ)	MT4 (α,n) or MT5 (Te119 production)	MT16 ($\alpha,2n$) >>



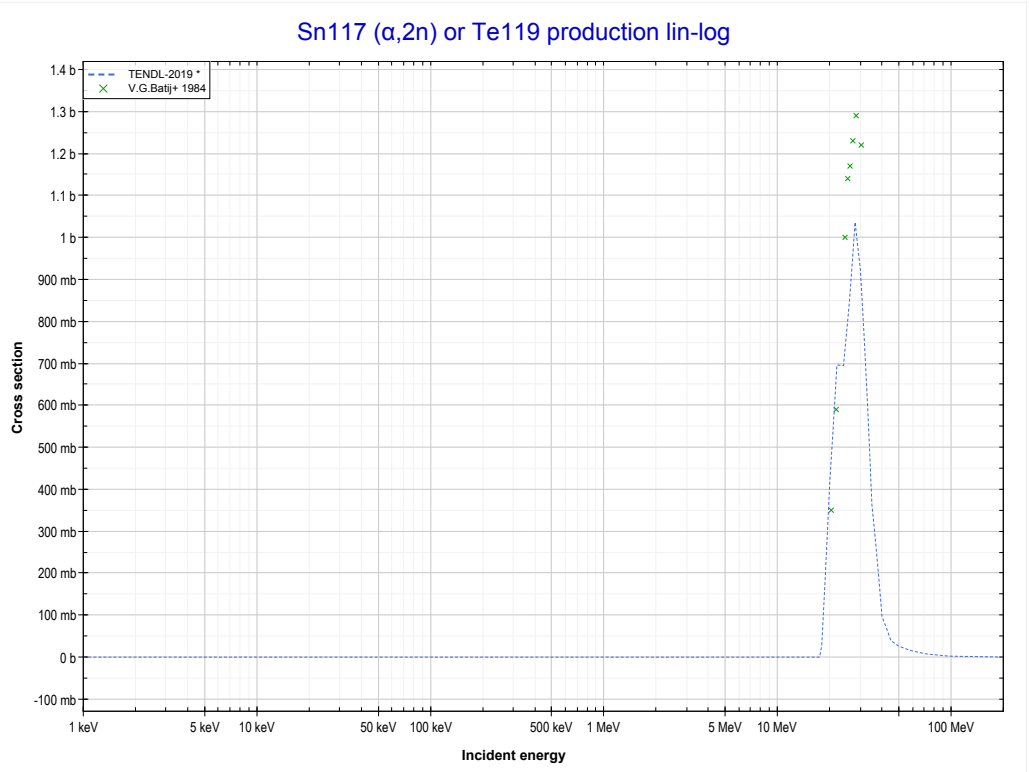
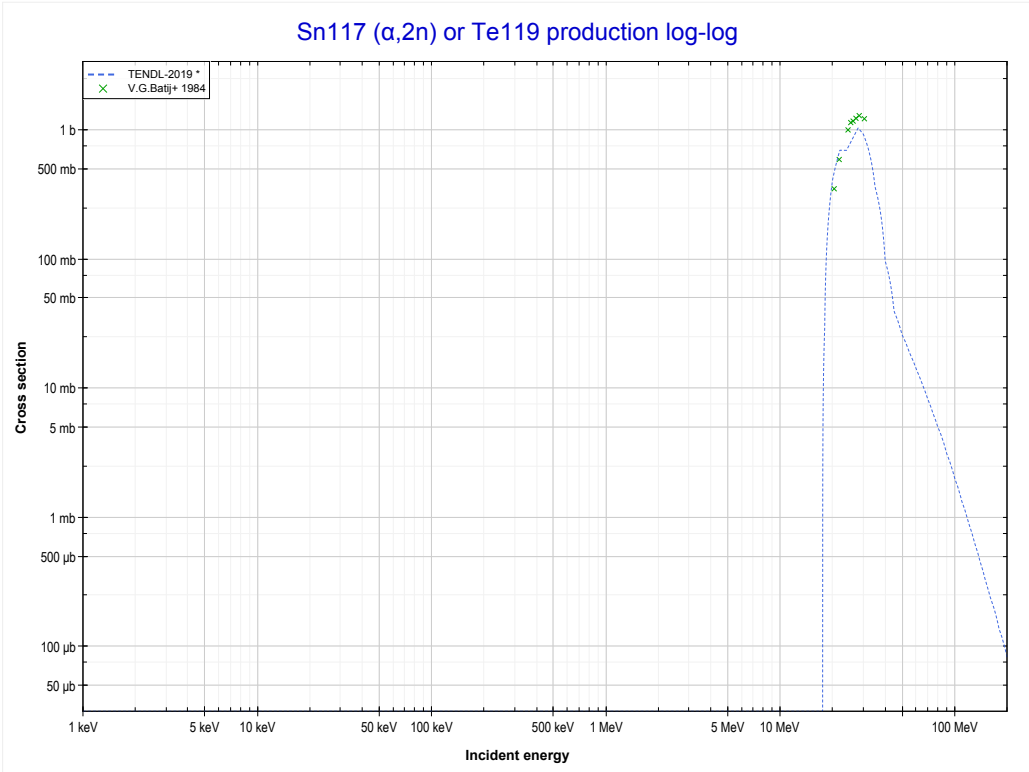
Reaction	Q-Value
Sn116(α,n)Te119	-9991.37 keV

<< 49-In-115	50-Sn-116	50-Sn-117 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Te118 production)	50-Sn-117 MT16 (α,2n) >>



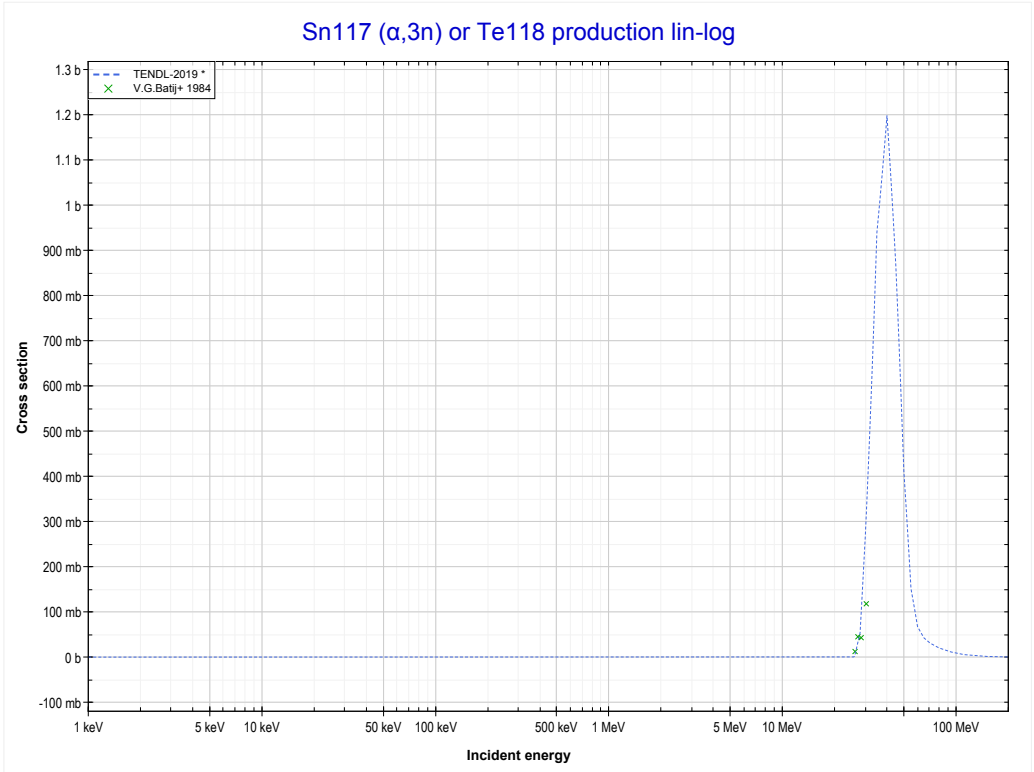
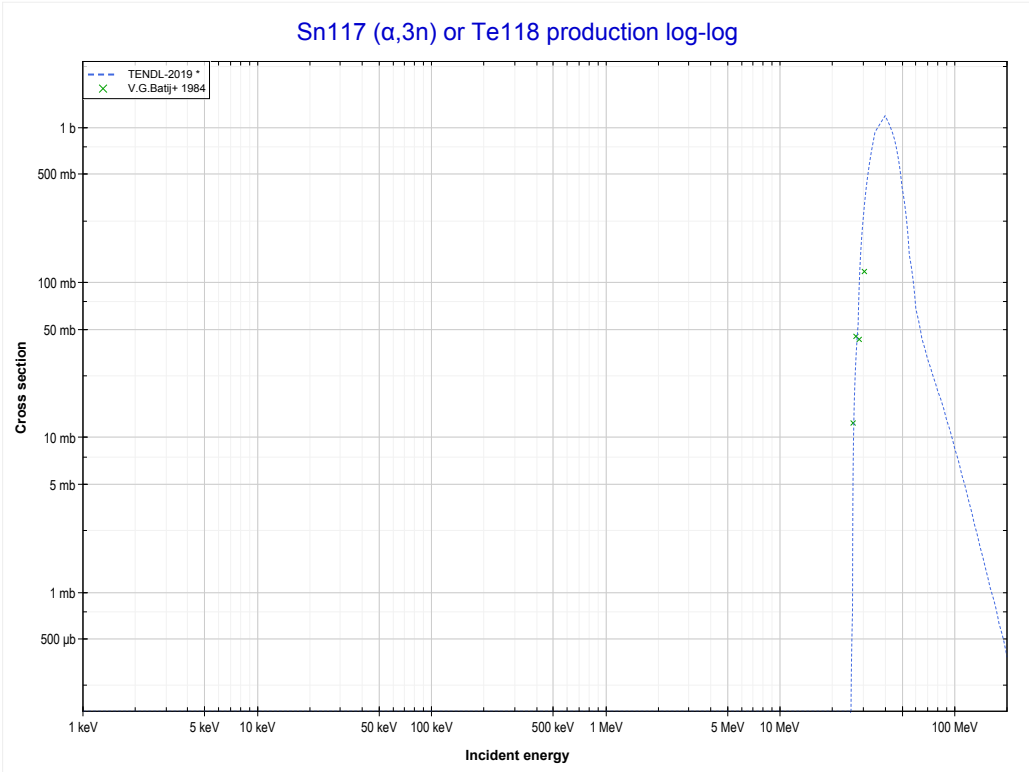
Reaction	Q-Value
Sn116(α,2n)Te118	-17546.69 keV

<< 50-Sn-116	50-Sn-117	51-Sb-121 >>
<< 50-Sn-116 MT16 (α,2n)	MT16 (α,2n) or MT5 (Te119 production)	MT17 (α,3n) >>



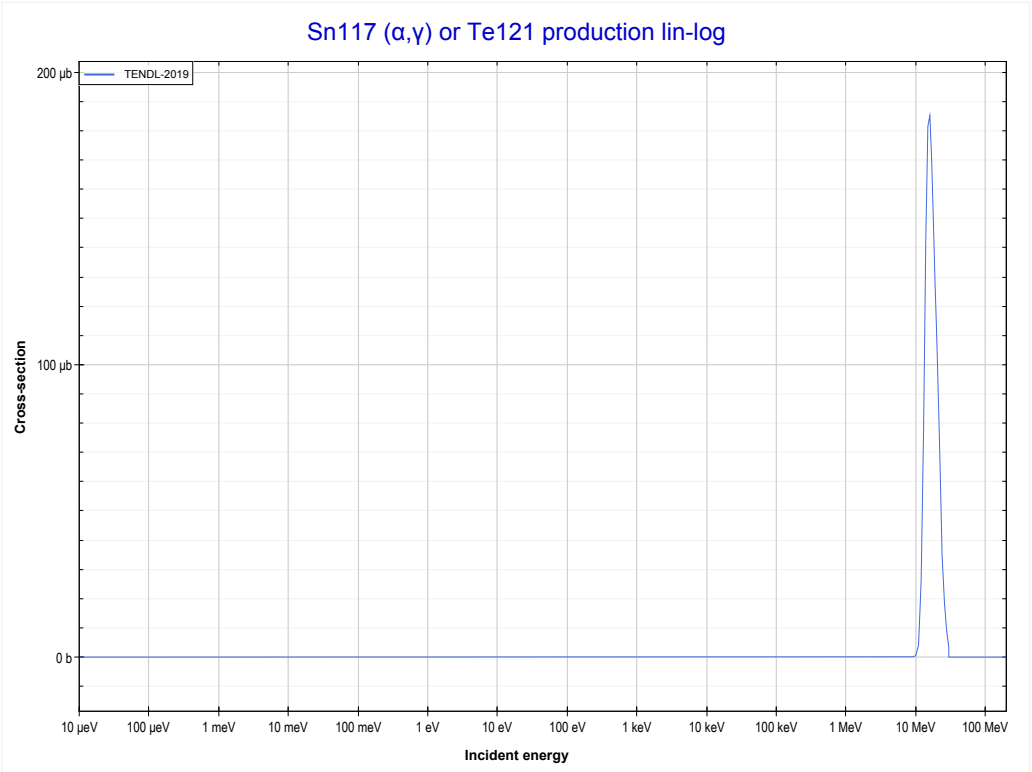
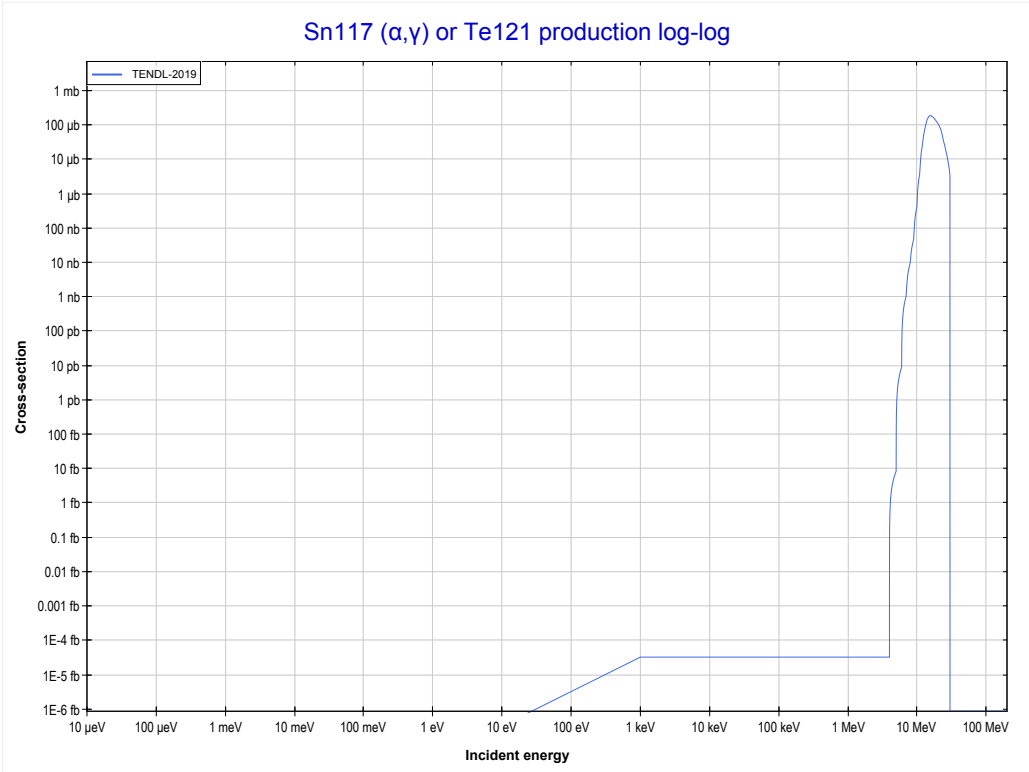
Reaction	Q-Value
Sn117(α,2n)Te119	-16934.52 keV

<< 48-Cd-116	50-Sn-117	50-Sn-124 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Te118 production)	MT102 (α,γ) >>



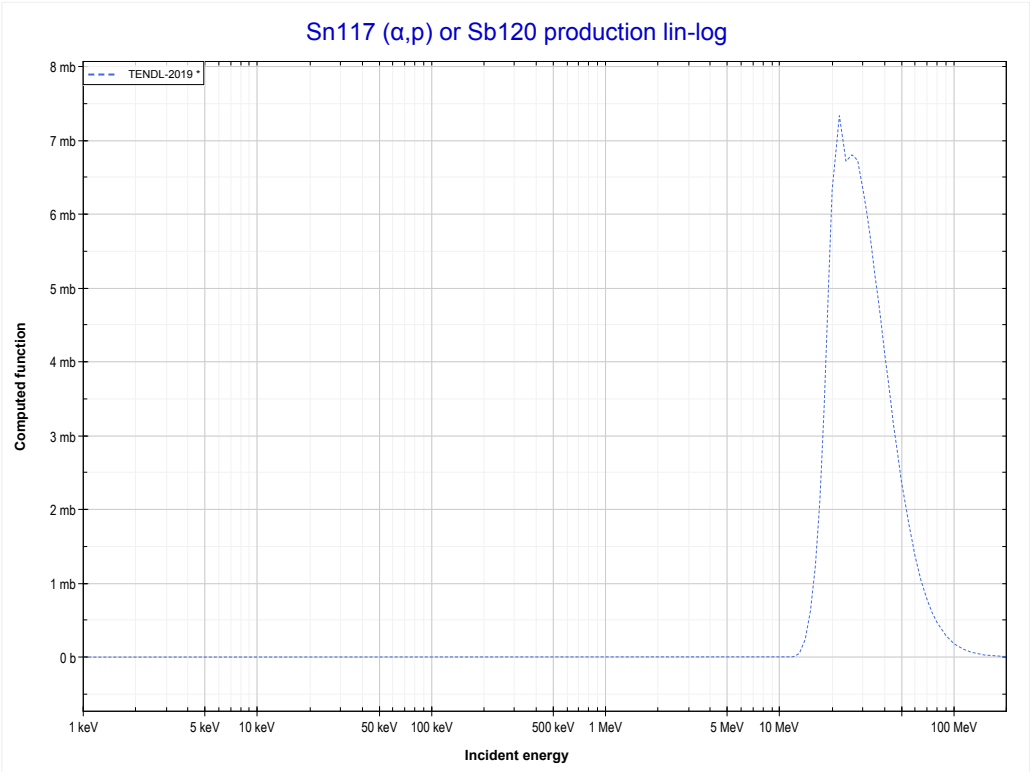
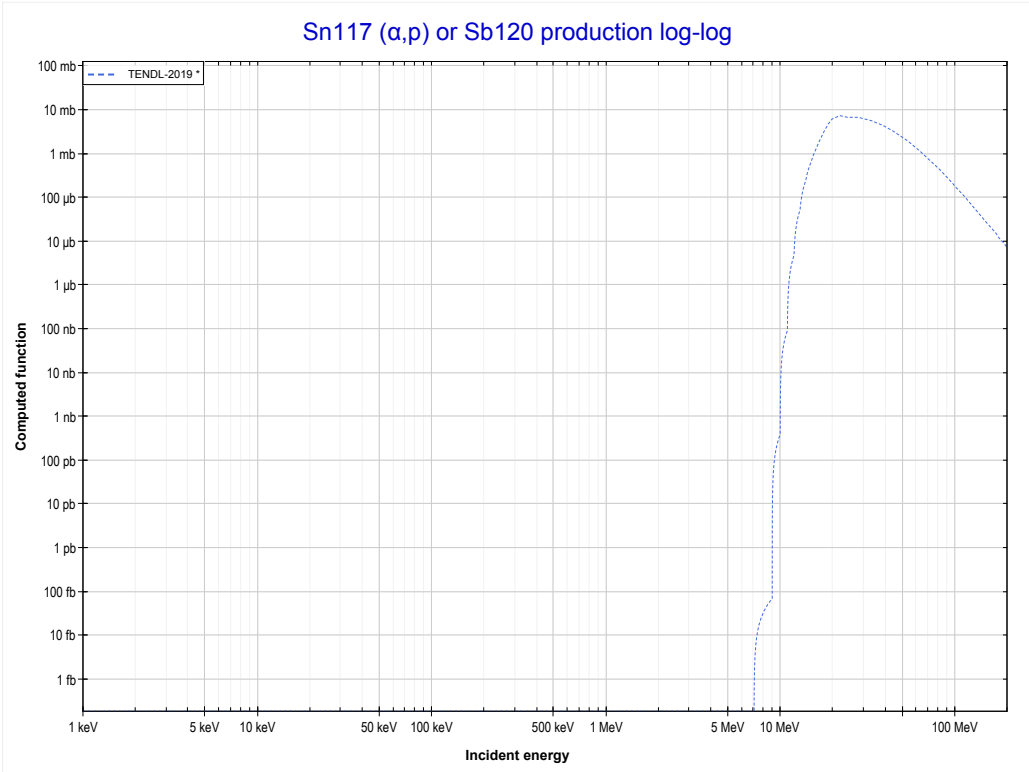
Reaction	Q-Value
Sn117($\alpha,3n$)Te118	-24489.84 keV

<< 50-Sn-115	50-Sn-117	53-I-127 >>
<< MT17 ($\alpha,3n$)	MT102 (α,γ) or MT5 (Te121 production)	MT103 (α,p) >>



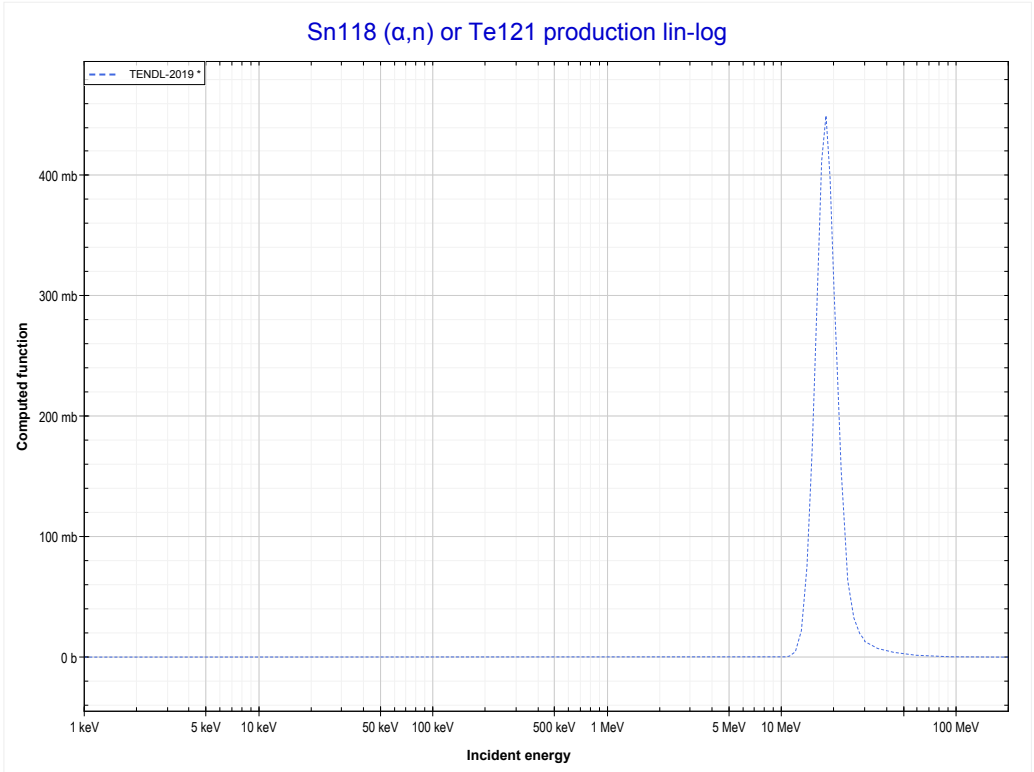
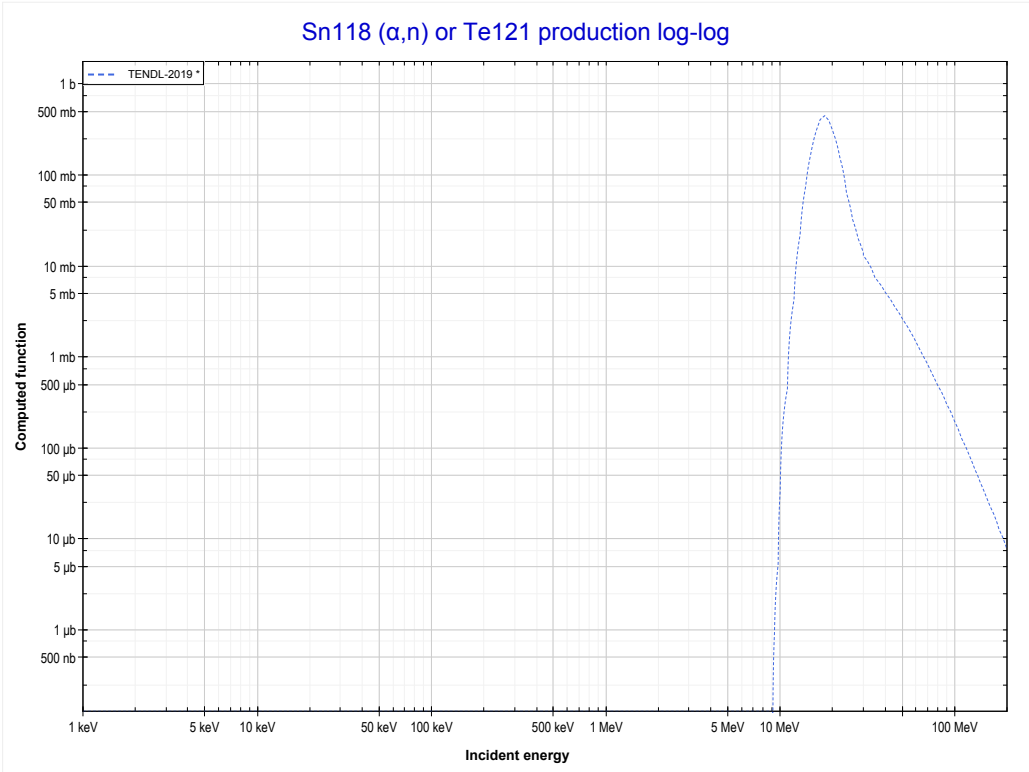
Reaction	Q-Value
Sn117(α,γ)Te121	573.12 keV

<< 50-Sn-112	50-Sn-117	50-Sn-124 >>
<< MT102 (α,γ)	MT103 (α,p) or MT5 (Sb120 production)	50-Sn-118 MT4 (α,n) >>



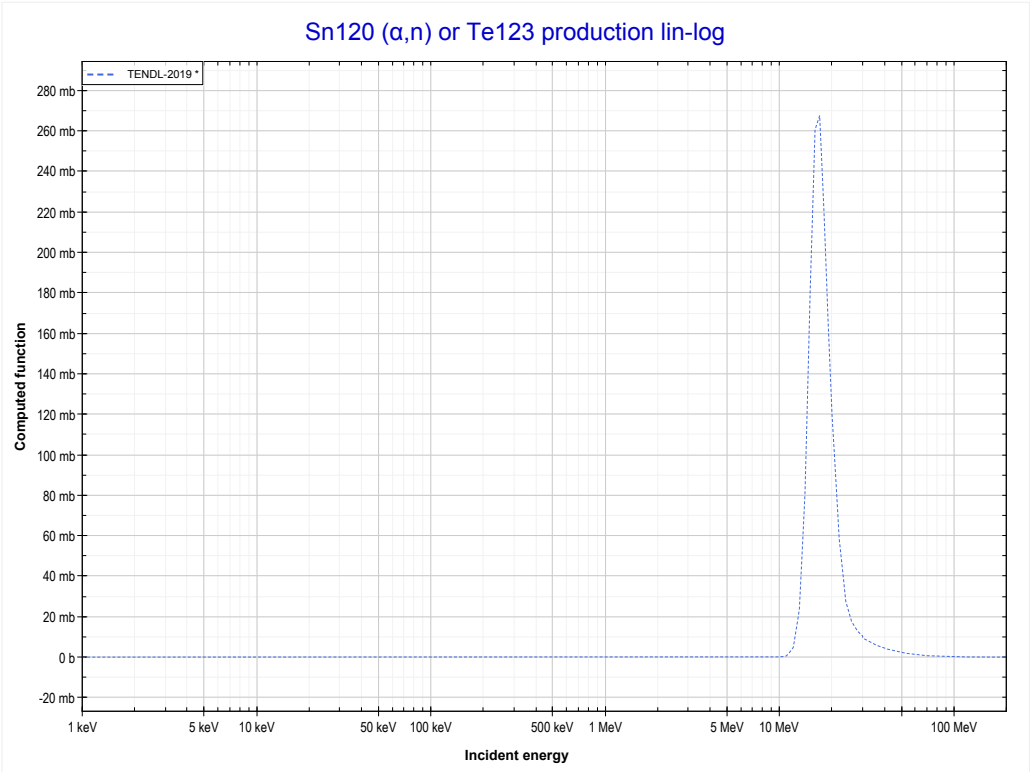
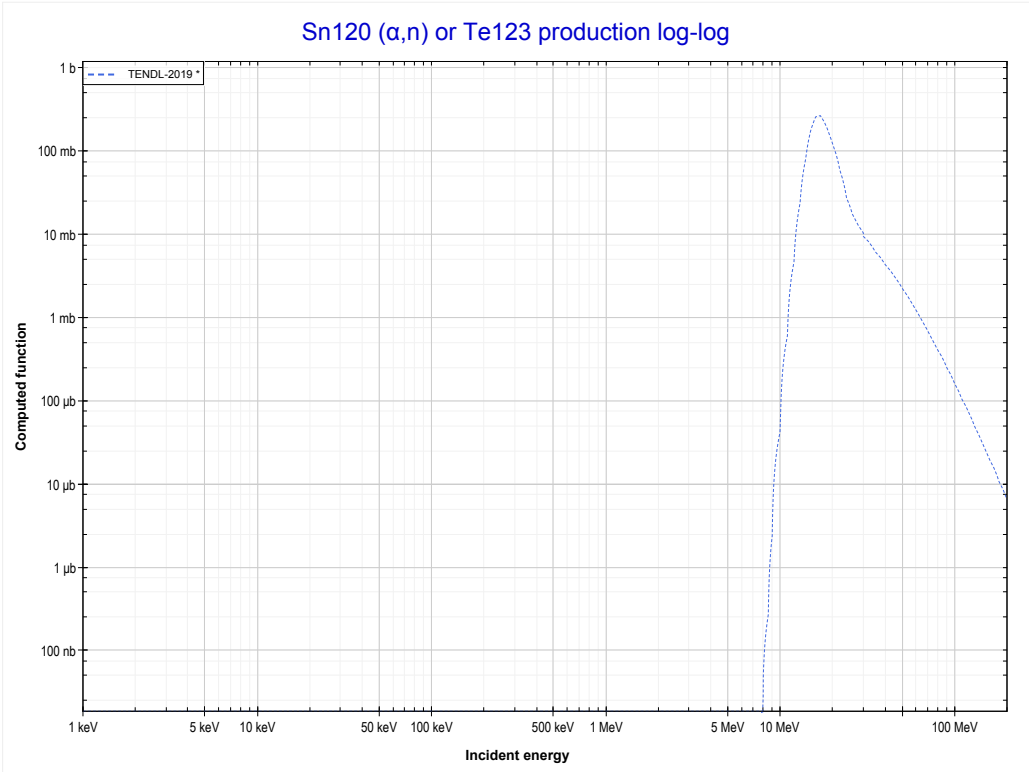
Reaction	Q-Value
Sn117(α,p)Sb120	-6843.85 keV

<< 50-Sn-116	50-Sn-118	50-Sn-120 >>
<< 50-Sn-117 MT103 (α,p)	MT4 (α,n) or MT5 (Te121 production)	50-Sn-120 MT4 (α,n) >>



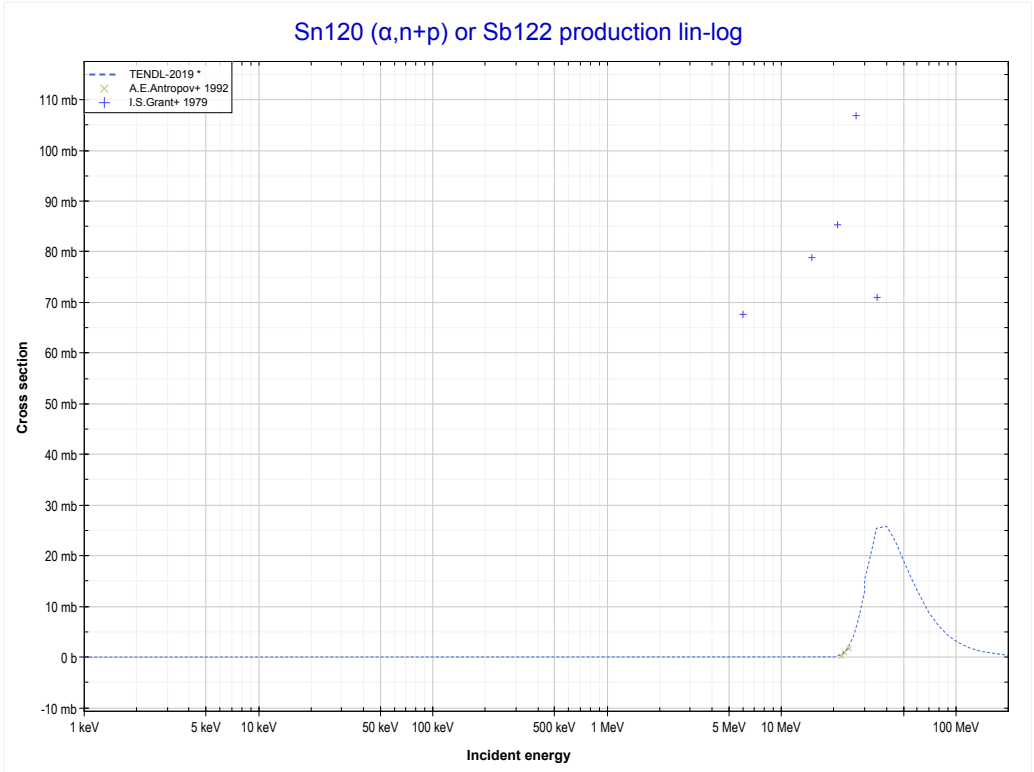
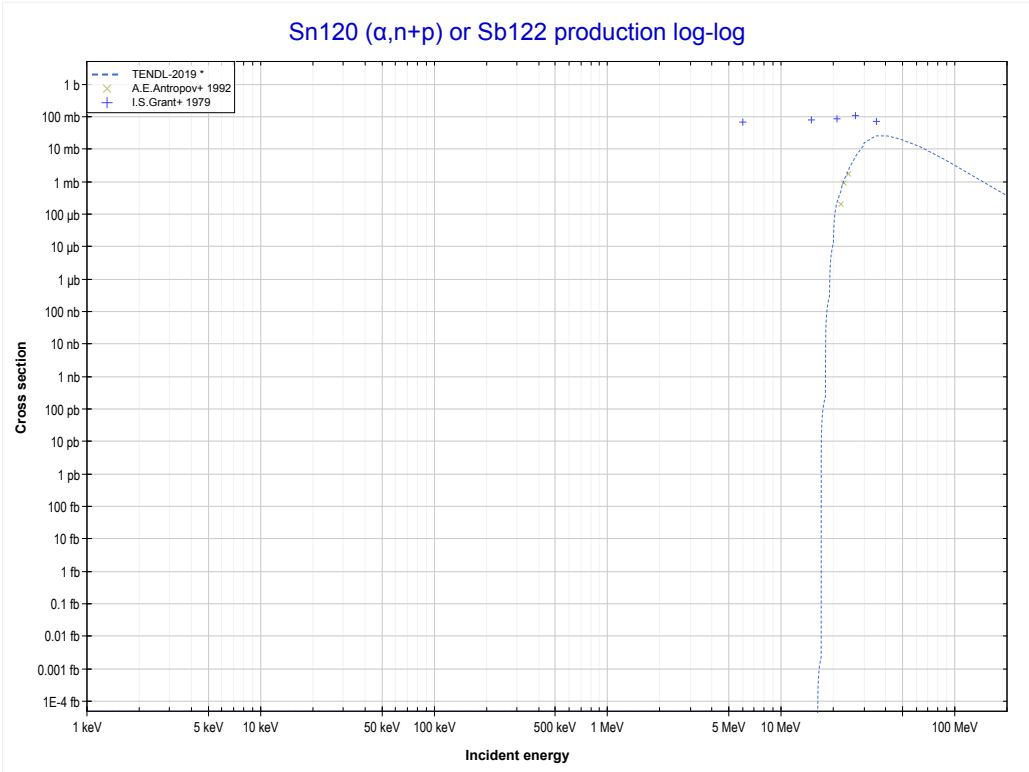
Reaction	Q-Value
Sn118(α,n)Te121	-8753.30 keV

<< 50-Sn-118	50-Sn-120	50-Sn-124 >>
<< 50-Sn-118 MT4 (α,n)	MT4 (α,n) or MT5 (Te123 production)	MT28 (α,n+p) >>



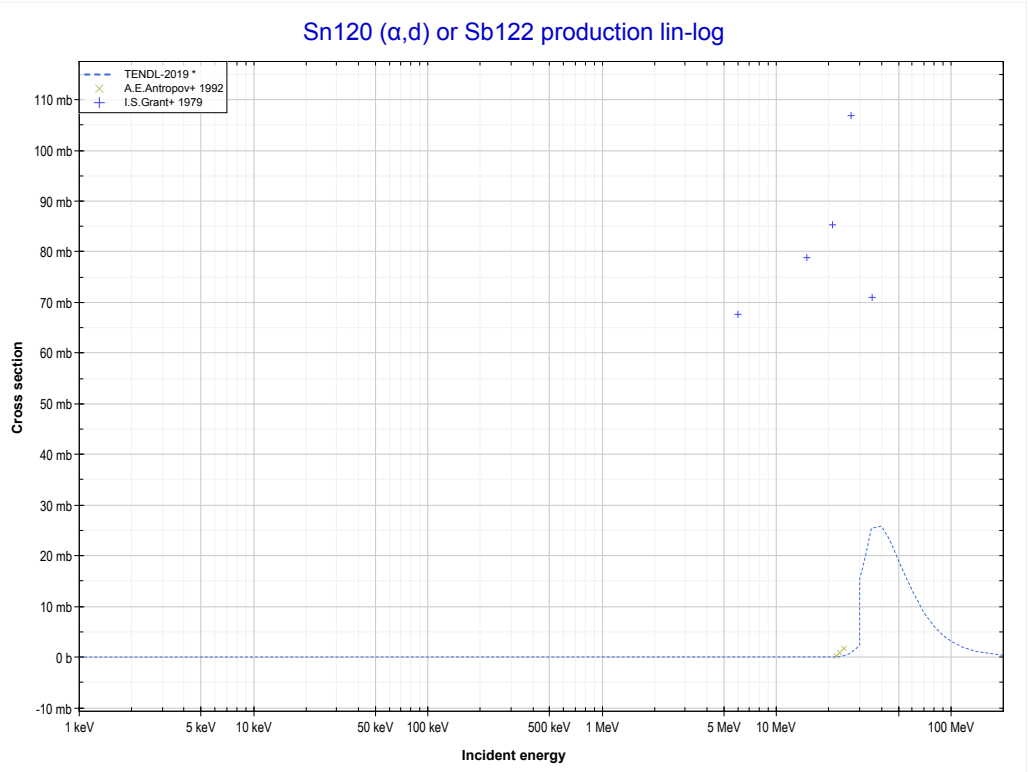
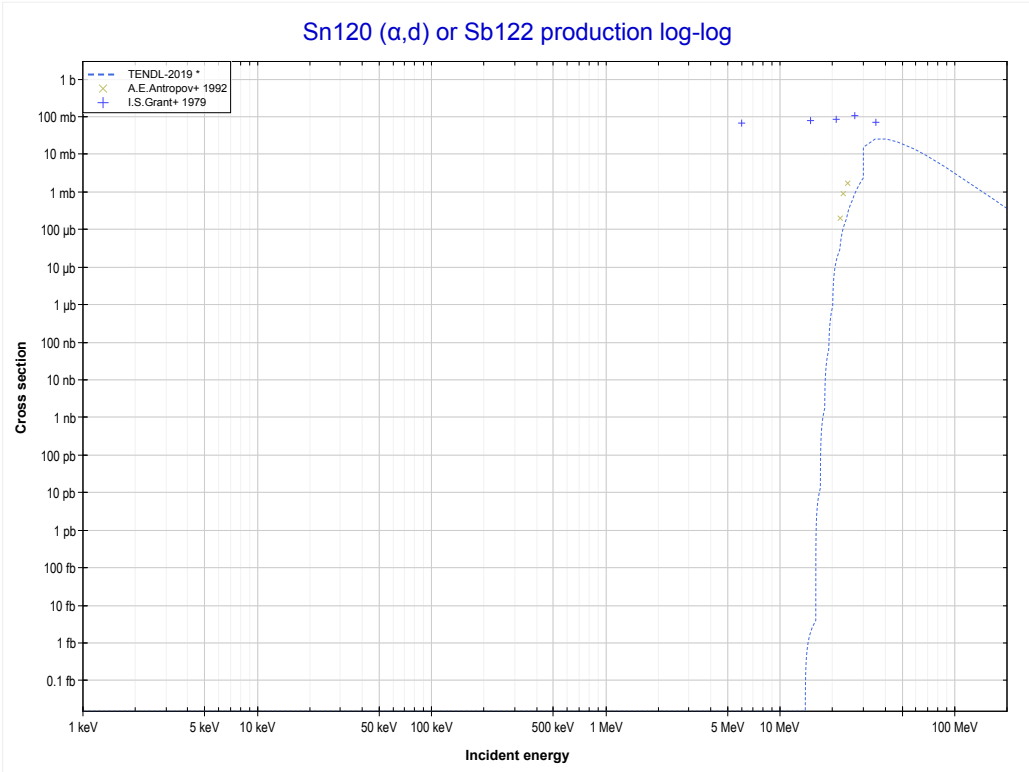
Reaction	Q-Value
Sn120(α,n)Te123	-7572.60 keV

<< 48-Cd-114	50-Sn-120	50-Sn-124 >>
<< MT4 (α,n)	MT28 (α,n+p) or MT5 (Sb122 production)	MT104 (α,d) >>



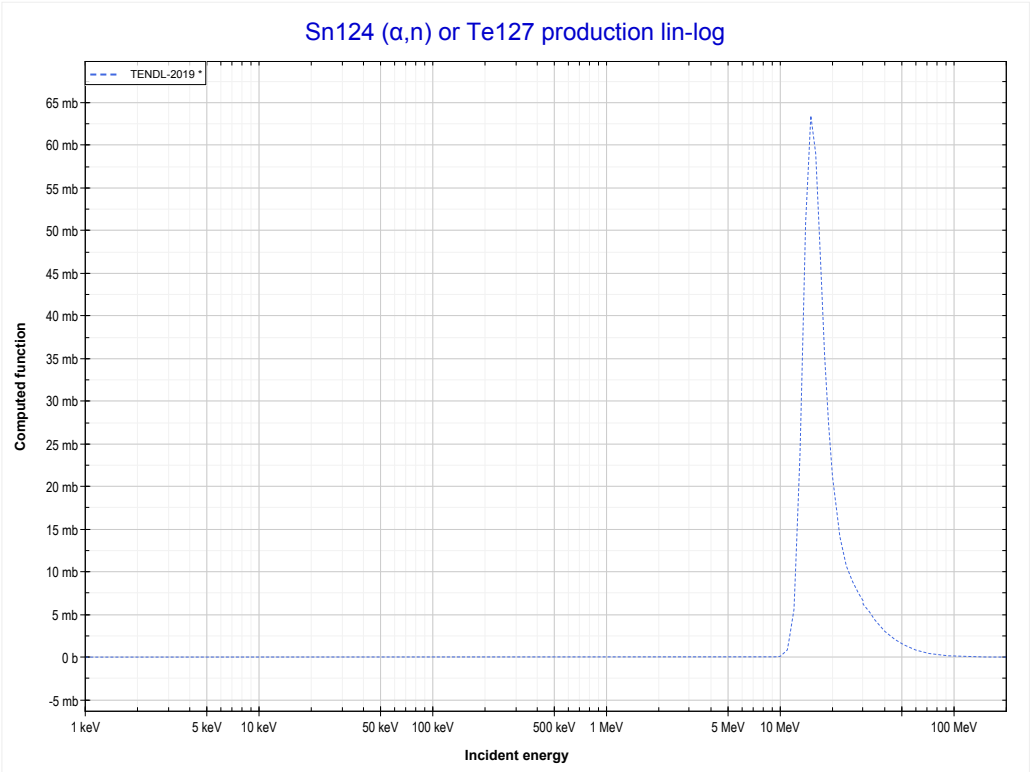
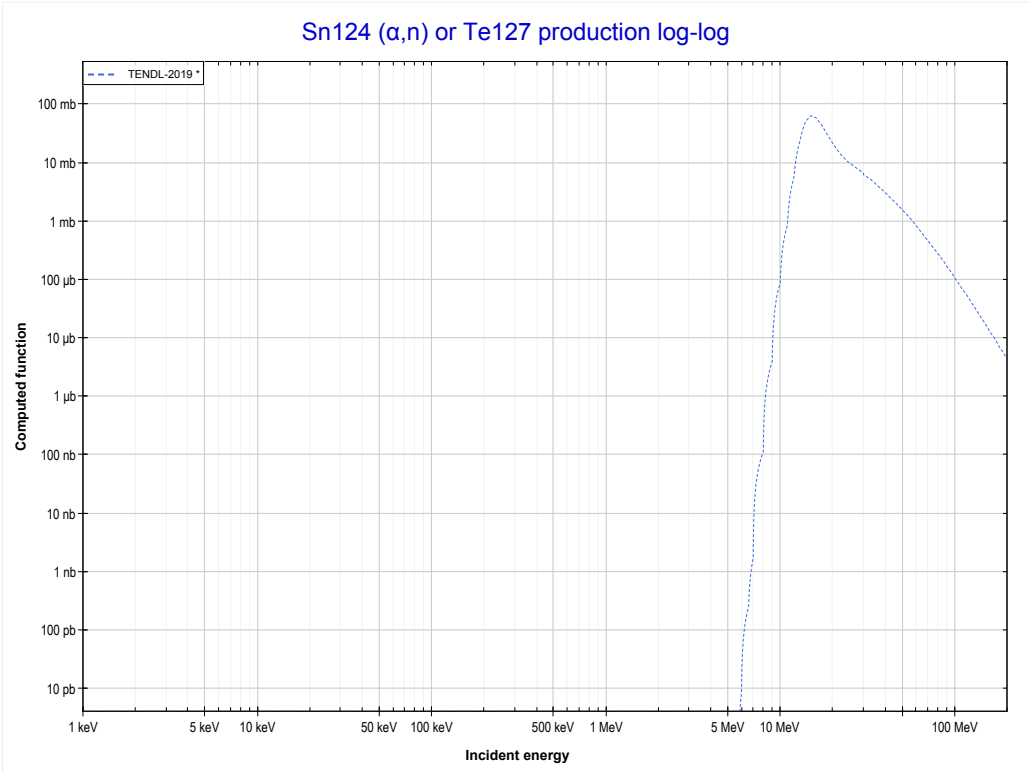
Reaction	Q-Value
Sn120(α,d)Sb122	-13473.81 keV
Sn120(α,n+p)Sb122	-15698.37 keV

<< 47-Ag-107	50-Sn-120	50-Sn-124 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (Sb122 production)	50-Sn-124 MT4 (α,n) >>



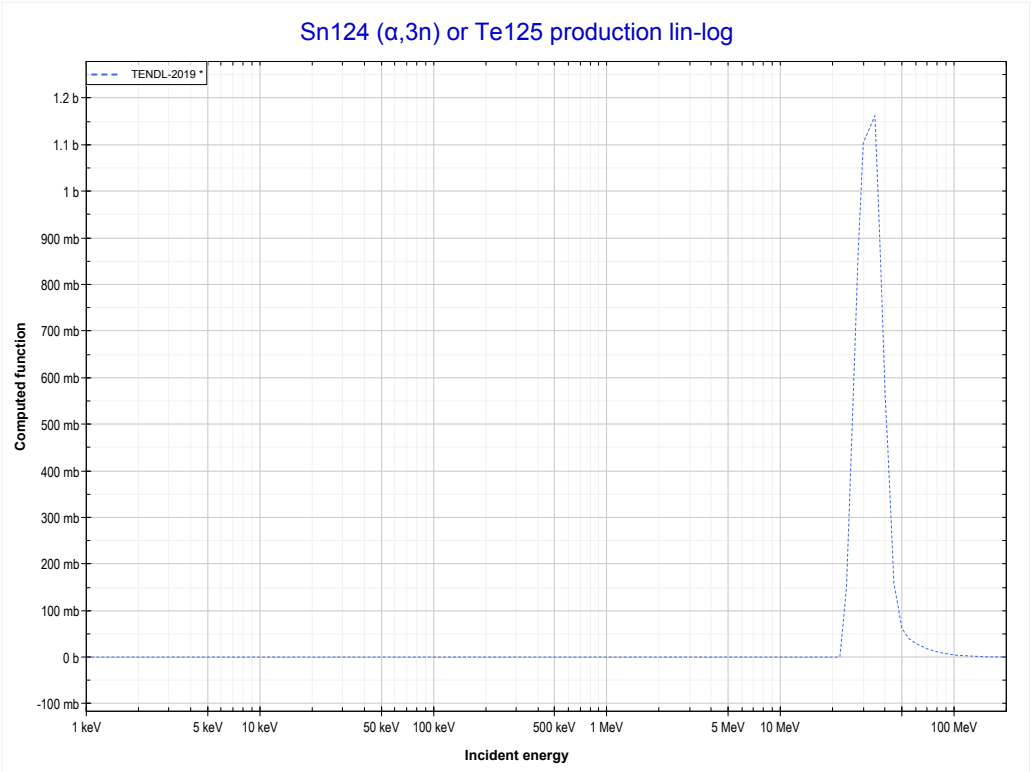
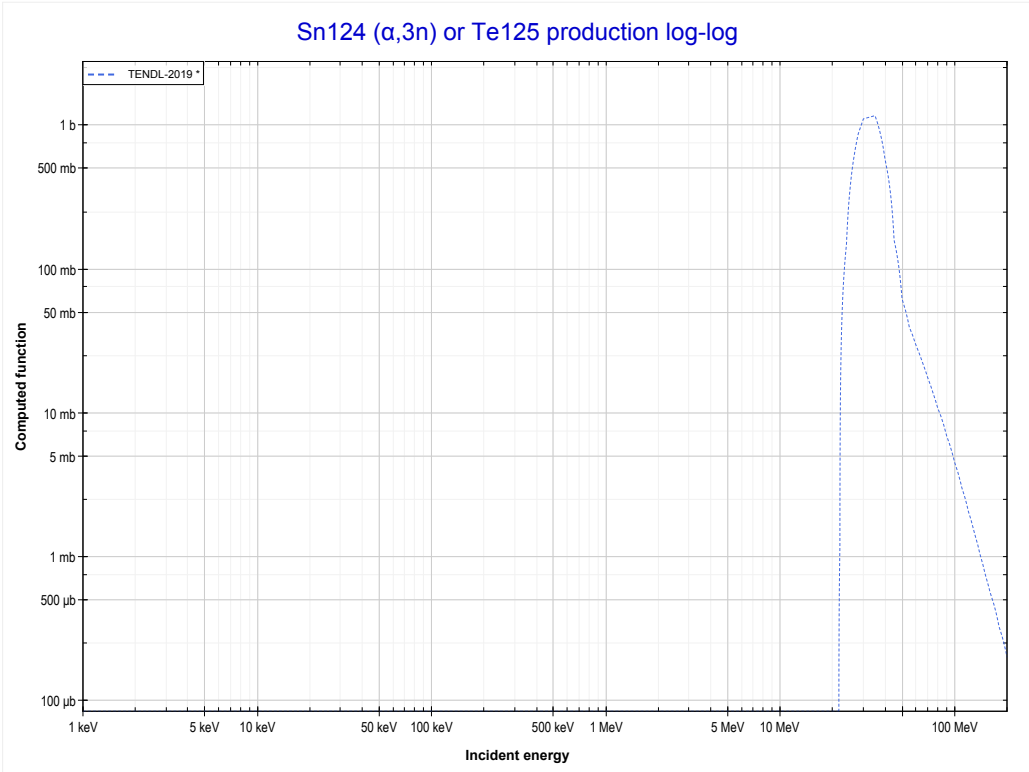
Reaction	Q-Value
Sn120(α,d)Sb122	-13473.81 keV
Sn120(α,n+p)Sb122	-15698.37 keV

<< 50-Sn-120	50-Sn-124	51-Sb-121 >>
<< 50-Sn-120 MT104 (α,d)	MT4 (α,n) or MT5 (Te127 production)	MT17 (α,3n) >>



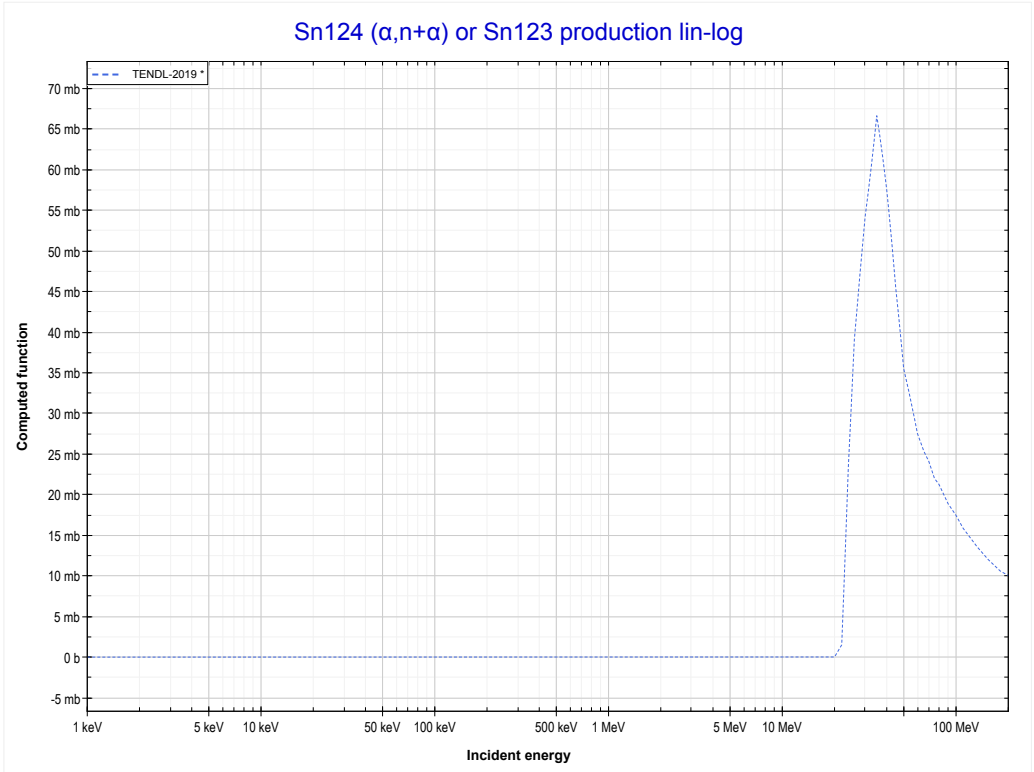
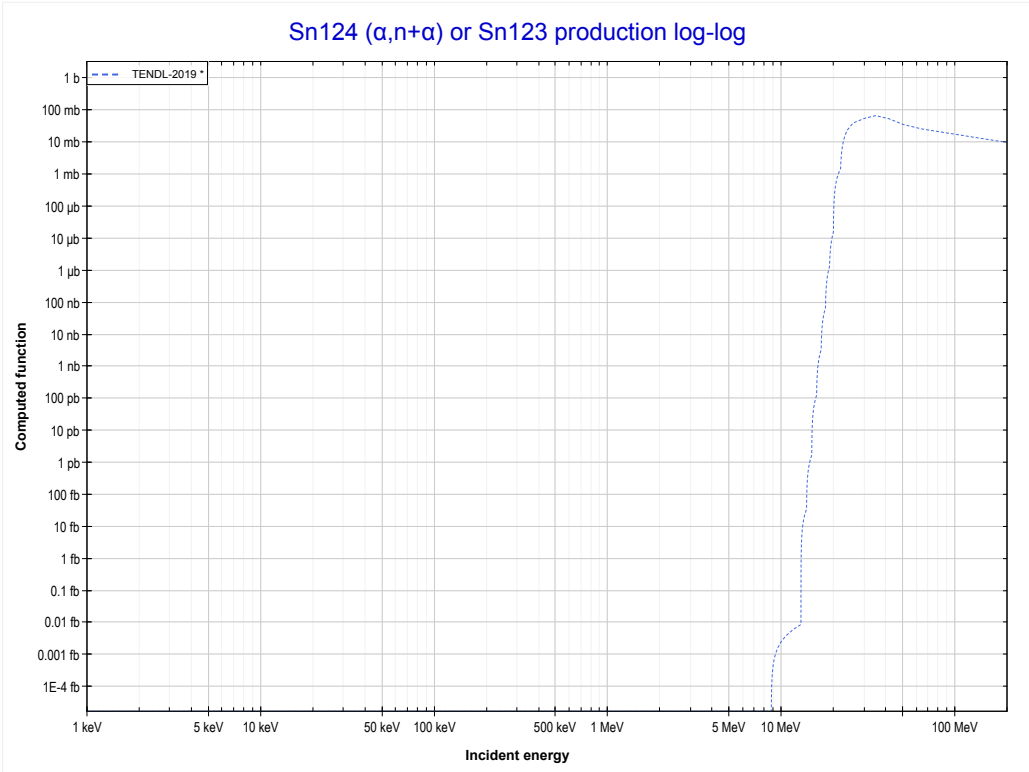
Reaction	Q-Value
Sn124(α,n)Te127	-5598.90 keV

<< 50-Sn-117	50-Sn-124	51-Sb-123 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Te125 production)	MT22 (α,n+α) >>



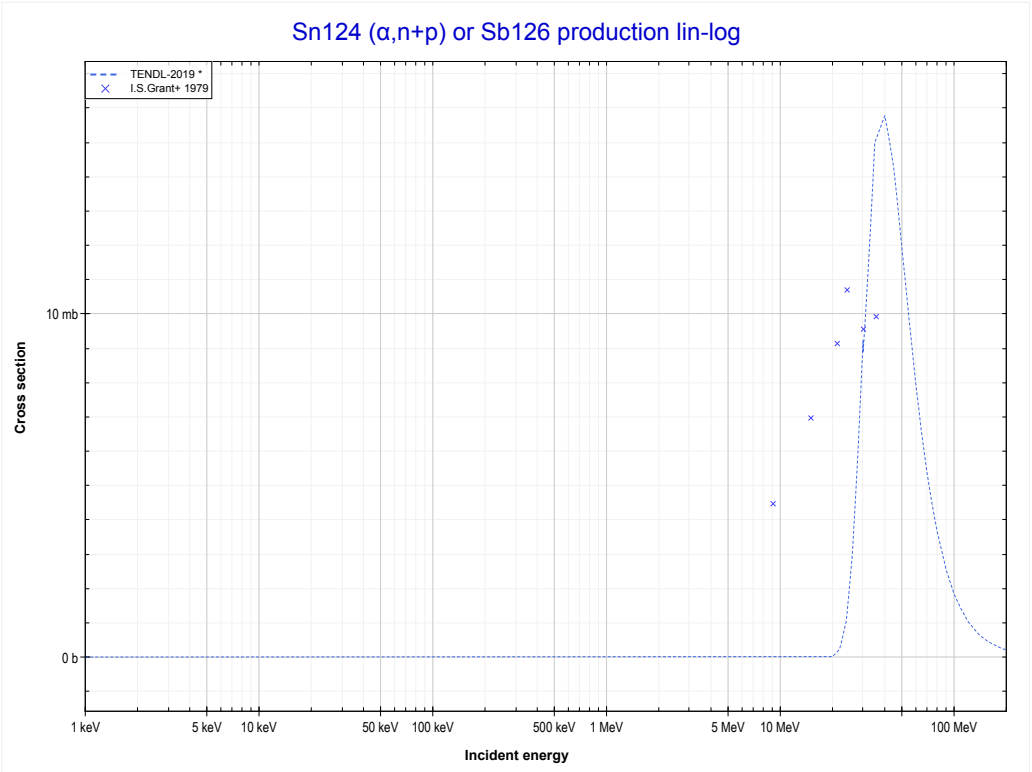
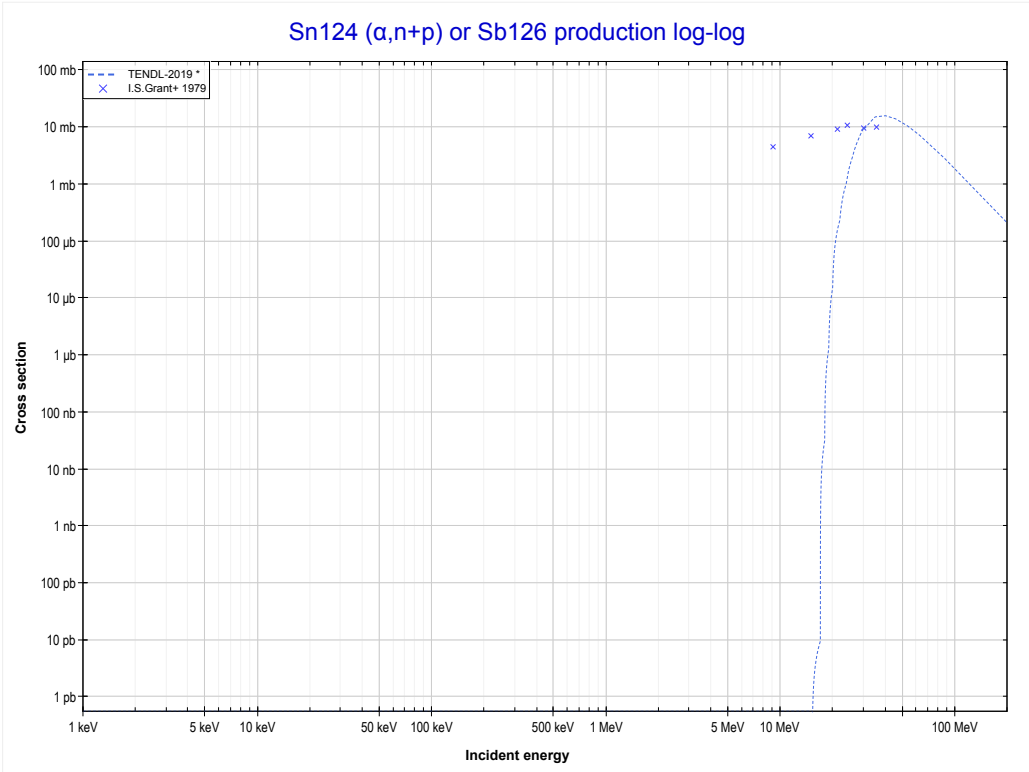
Reaction	Q-Value
Sn124(α,3n)Te125	-21000.24 keV

<< 48-Cd-116	50-Sn-124	53-I-127 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Sn123 production)	MT28 (α,n+p) >>



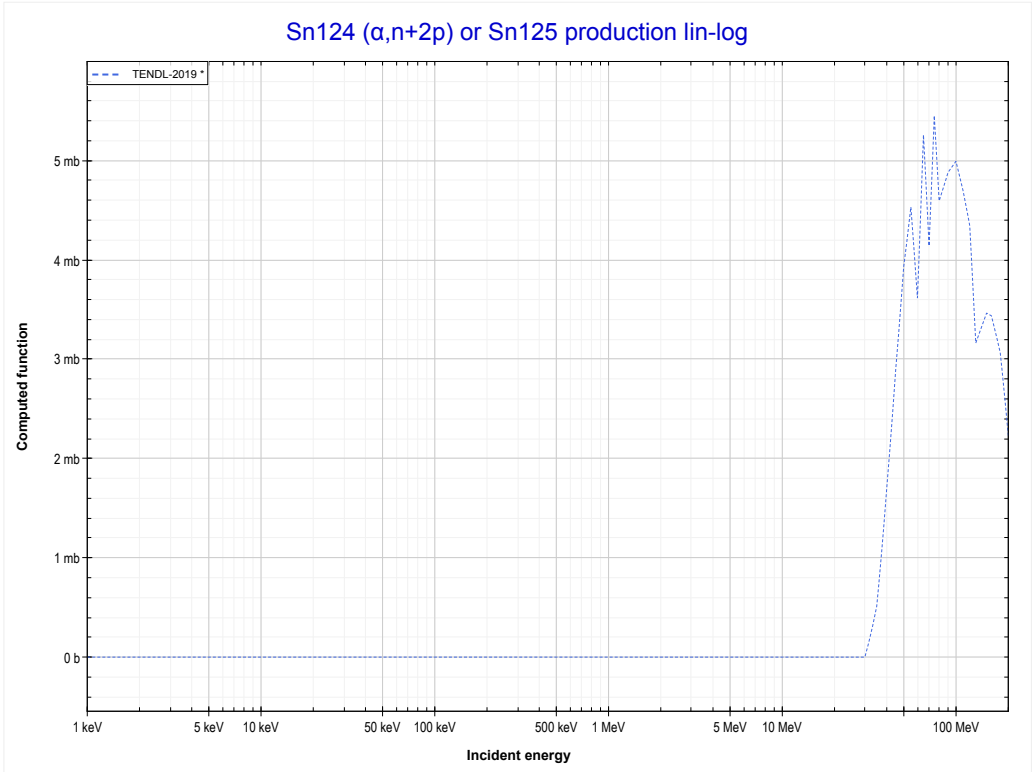
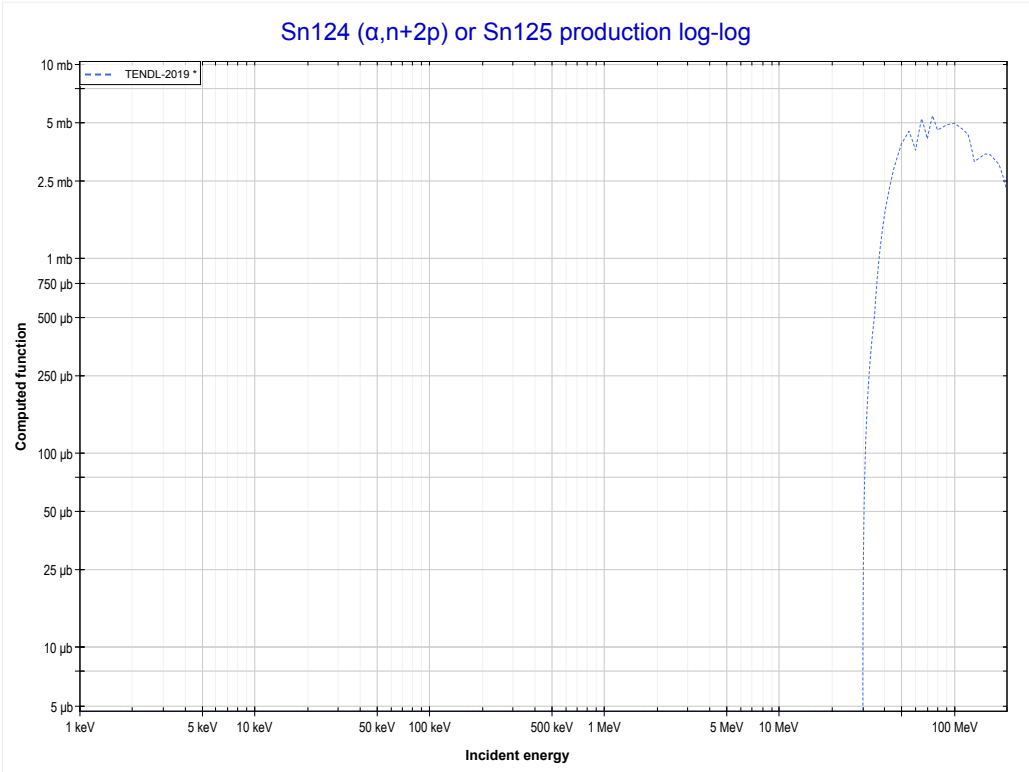
Reaction	Q-Value
Sn124(α,n+α)Sn123	-8489.32 keV
Sn124(α,d+t)Sn123	-26078.62 keV
Sn124(α,n+p+t)Sn123	-28303.18 keV
Sn124(α,2n+He3)Sn123	-29066.94 keV
Sn124(α,n+2d)Sn123	-32335.84 keV
Sn124(α,2n+p+d)Sn123	-34560.41 keV
Sn124(α,3n+2p)Sn123	-36784.98 keV

<< 50-Sn-120	50-Sn-124	57-La-139 >>
<< MT22 ($\alpha,n+\alpha$)	MT28 ($\alpha,n+p$) or MT5 (Sb126 production)	MT44 ($\alpha,n+2p$) >>



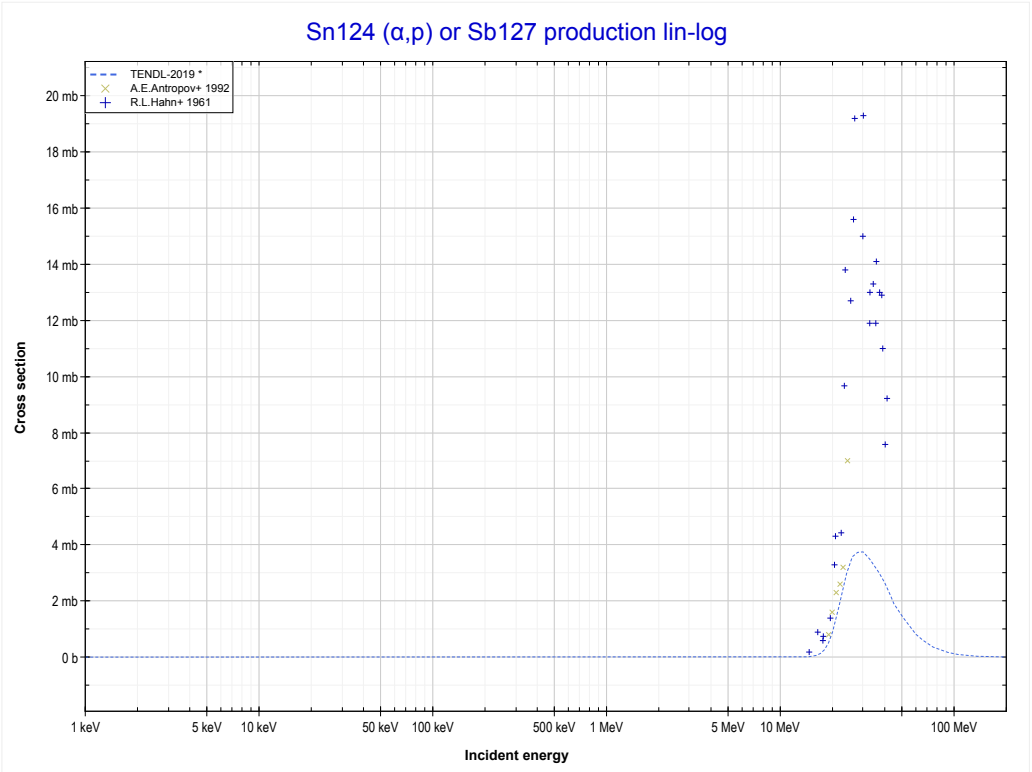
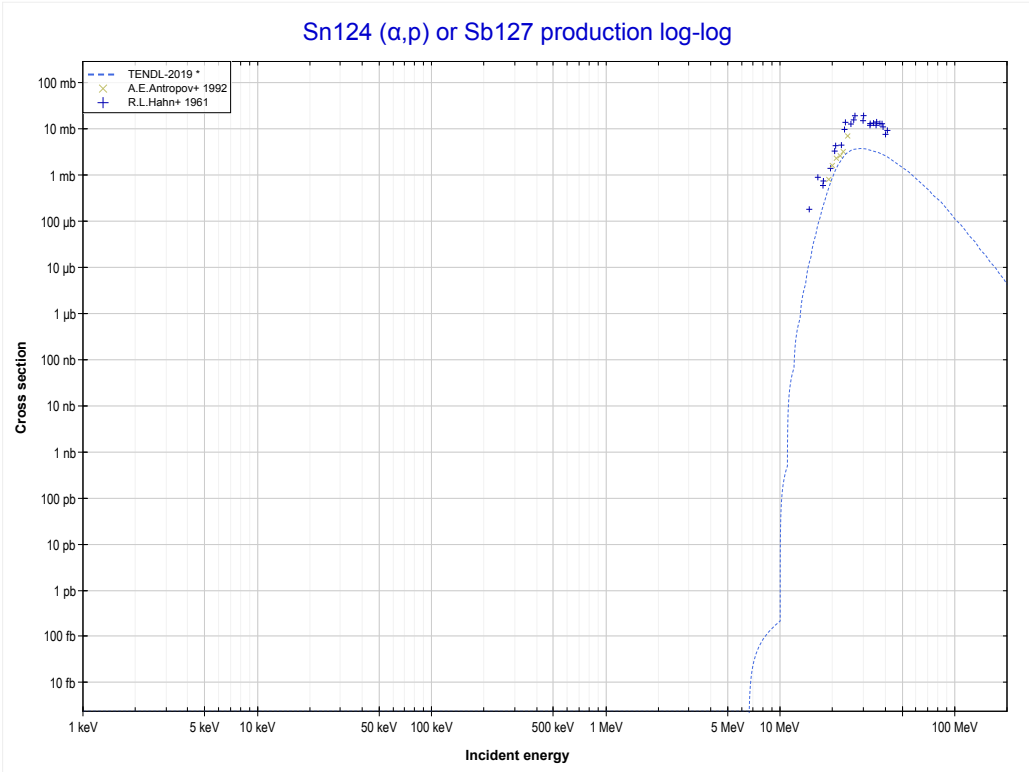
Reaction	Q-Value
Sn124(α,d)Sb126	-12555.01 keV
Sn124($\alpha,n+p$)Sb126	-14779.57 keV

<< 37-Rb-85	50-Sn-124	58-Ce-142 >>
<< MT28 (α,n+p)	MT44 (α,n+2p) or MT5 (Sn125 production)	MT103 (α,p) >>



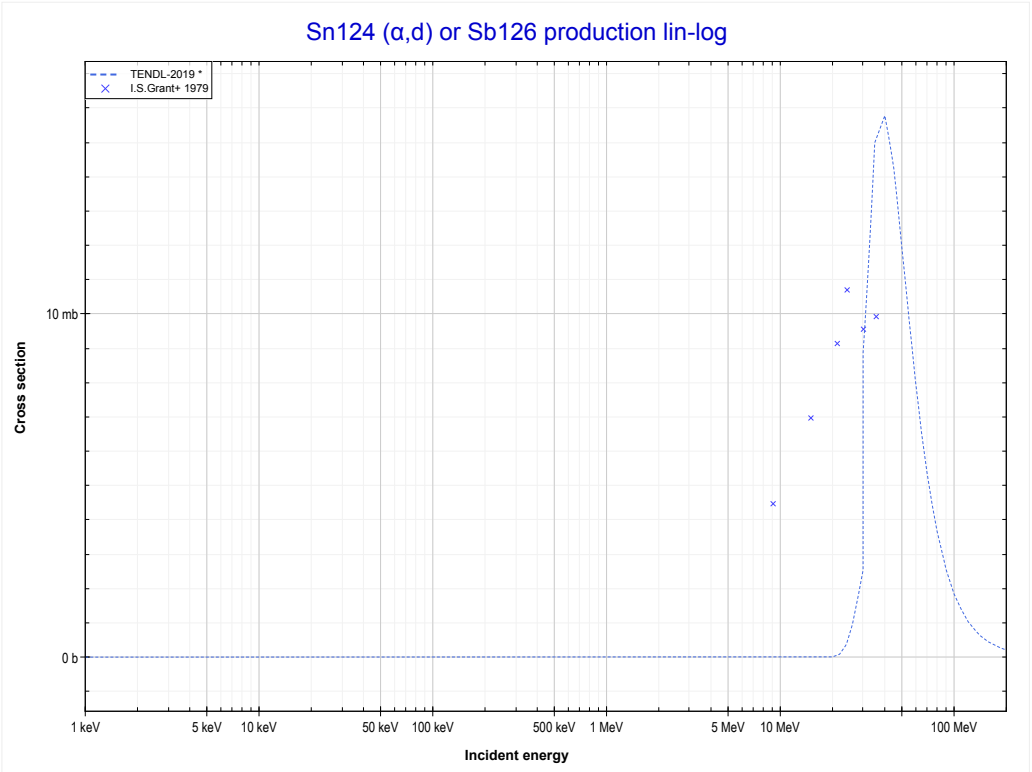
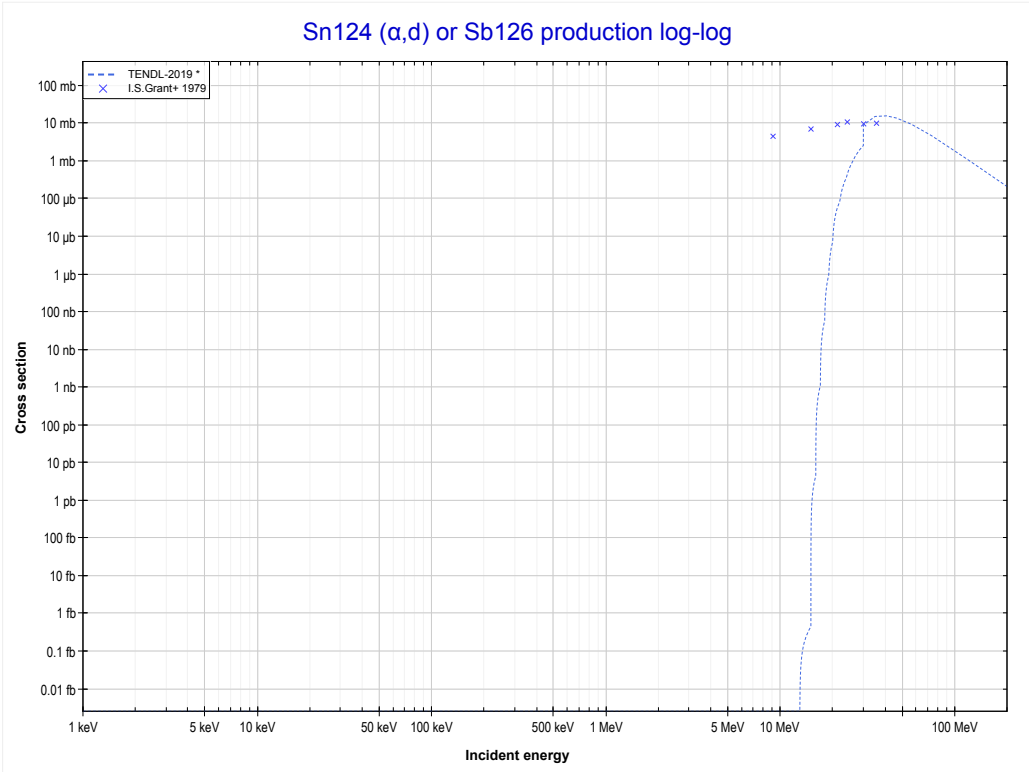
Reaction	Q-Value
Sn124(α,He3)Sn125	-14844.10 keV
Sn124(α,p+d)Sn125	-20337.58 keV
Sn124(α,n+2p)Sn125	-22562.14 keV

<< 50-Sn-117	50-Sn-124	56-Ba-138 >>
<< MT44 ($\alpha,n+2p$)	MT103 (α,p) or MT5 (Sb127 production)	MT104 (α,d) >>



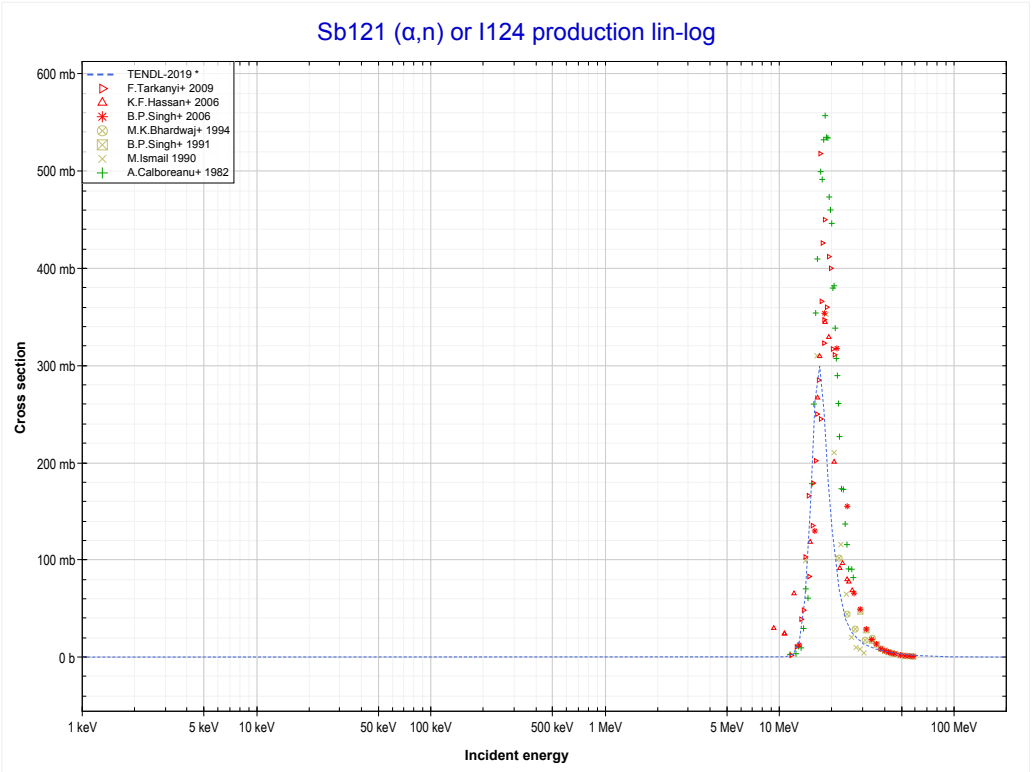
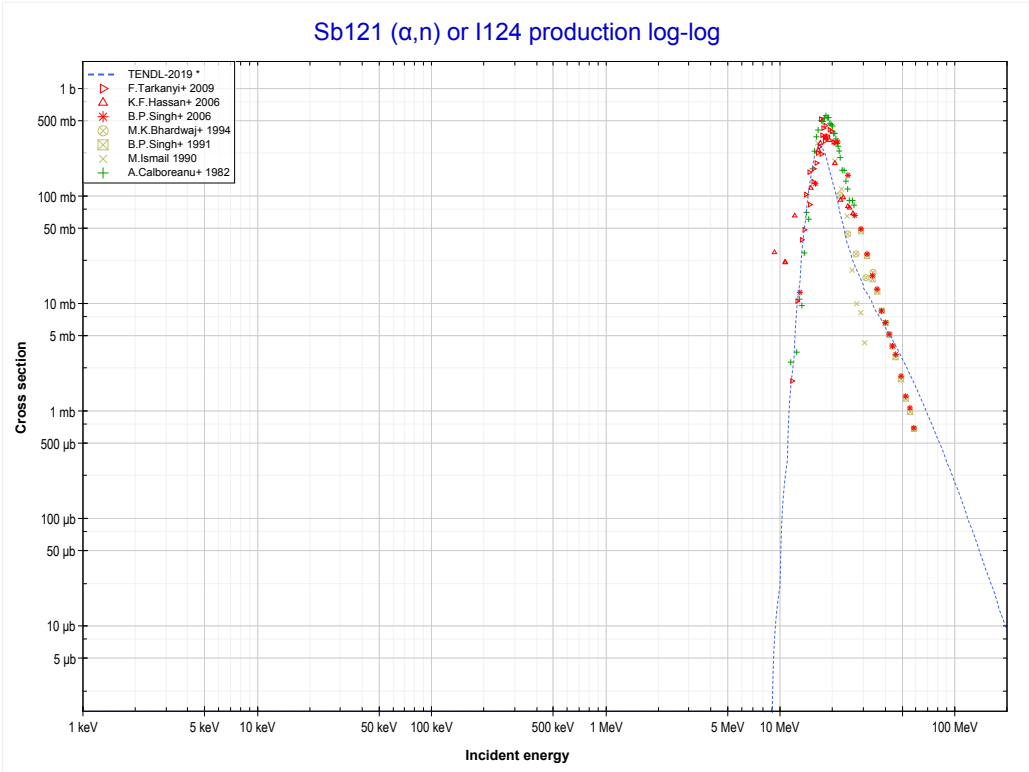
Reaction	Q-Value
Sn124(α,p)Sb127	-6399.25 keV

<< 50-Sn-120	50-Sn-124	74-W-186 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Sb126 production)	51-Sb-121 MT4 (α,n) >>



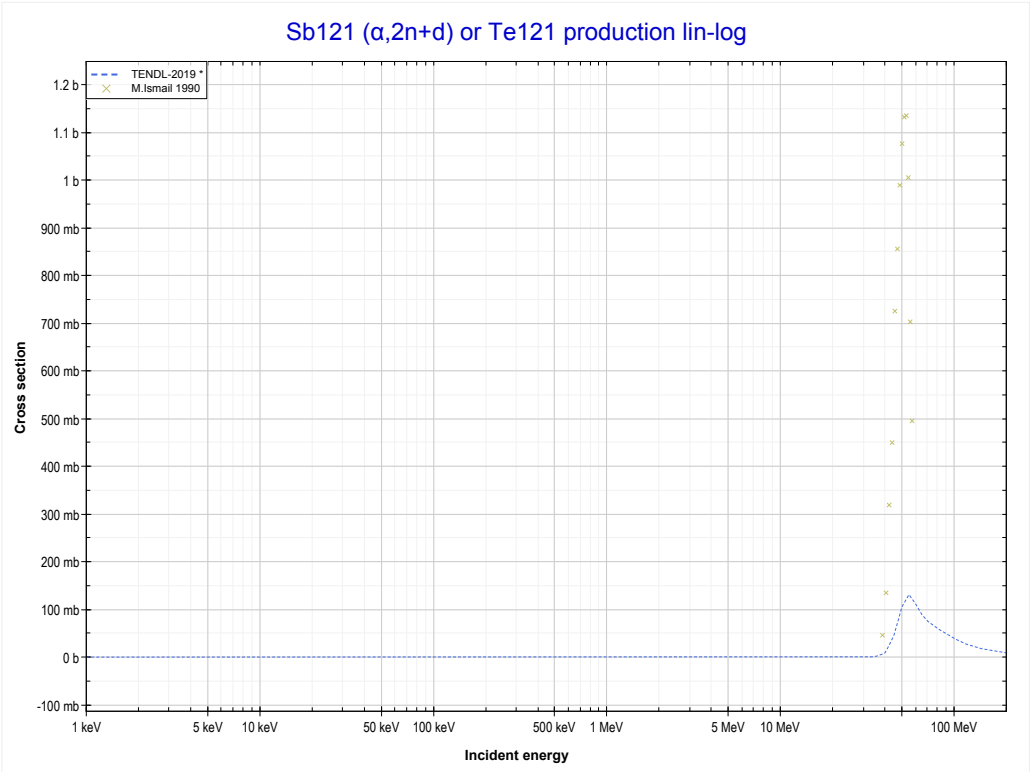
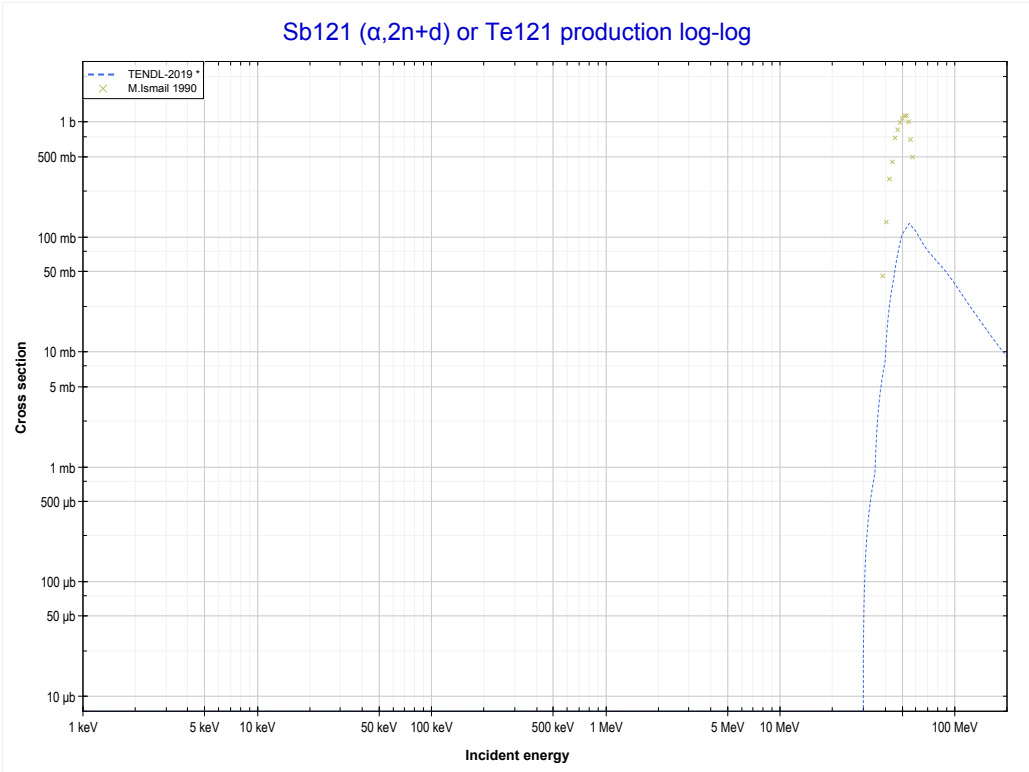
Reaction	Q-Value
Sn124(α,d)Sb126	-12555.01 keV
Sn124(α,n+p)Sb126	-14779.57 keV

<< 50-Sn-124	51-Sb-121	51-Sb-123 >>
<< 50-Sn-124 MT104 (α,d)	MT4 (α,n) or MT5 (I124 production)	MT11 (α,2n+d) >>



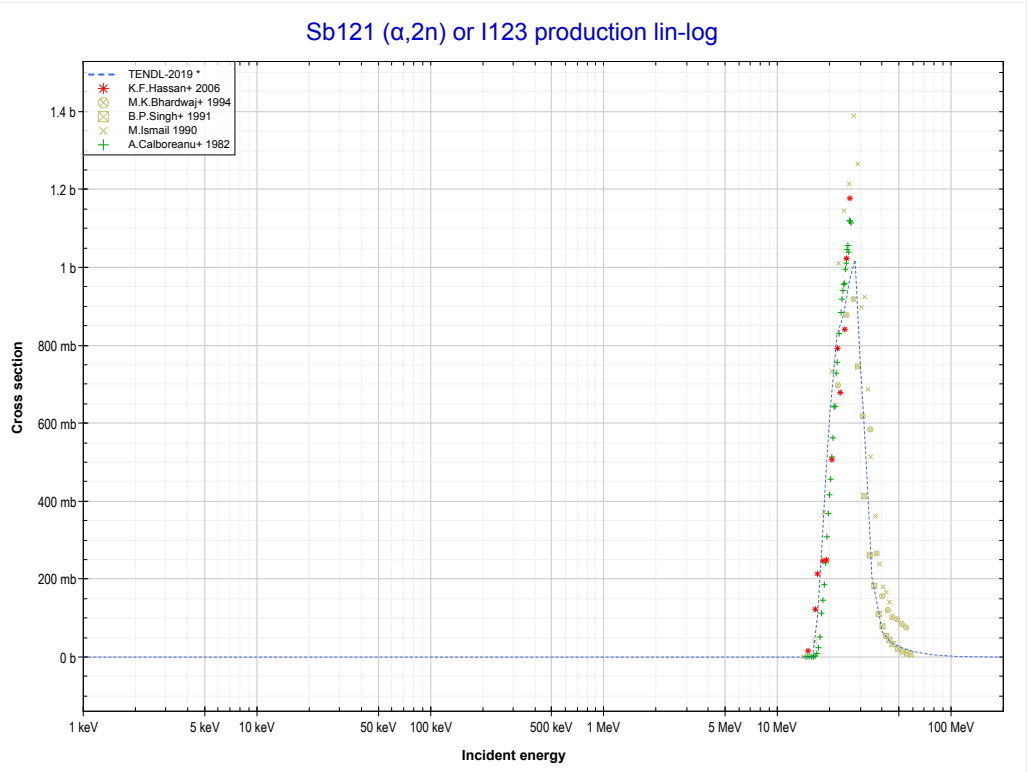
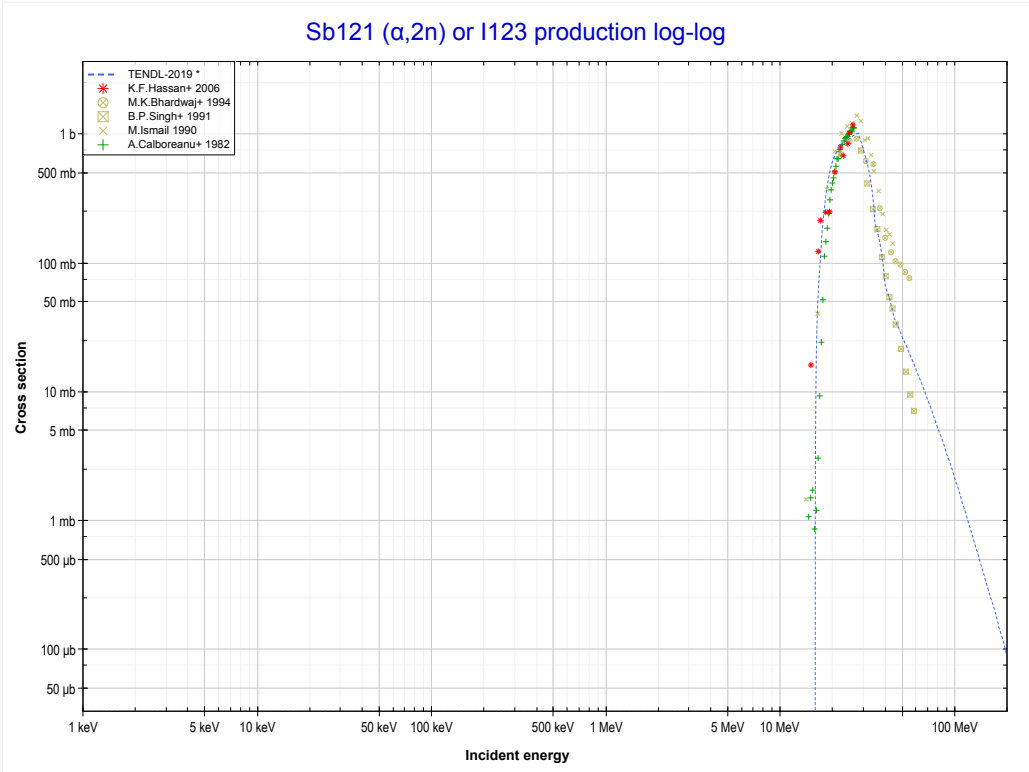
Reaction	Q-Value
Sb121(α,n)I124	-7881.00 keV

<< 42-Mo-96	51-Sb-121	74-W-186 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Te121 production)	MT16 (α,2n) >>



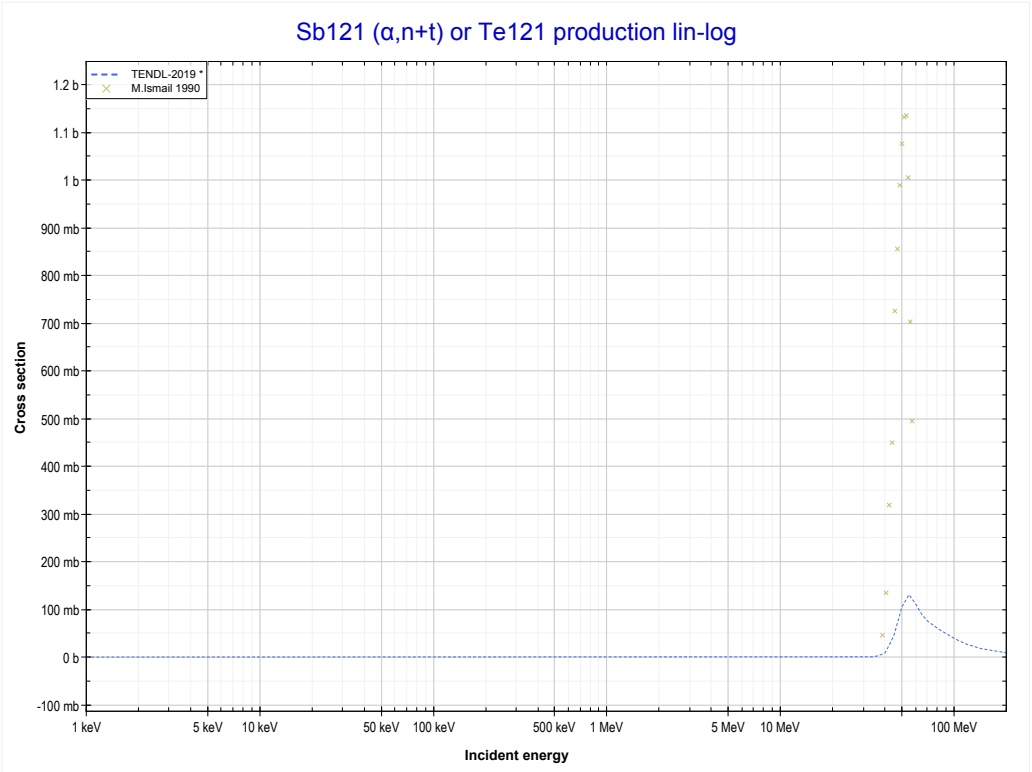
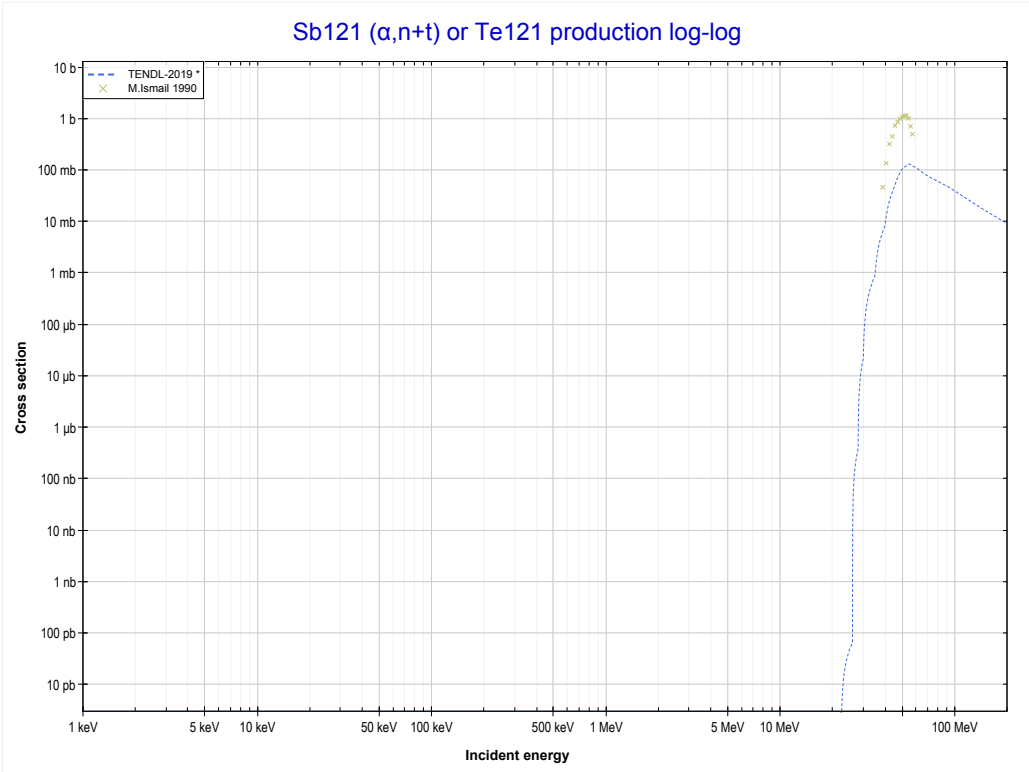
Reaction	Q-Value
Sb121(α,n+t)Te121	-21650.51 keV
Sb121(α,2n+d)Te121	-27907.74 keV
Sb121(α,3n+p)Te121	-30132.31 keV

<< 50-Sn-117	51-Sb-121	51-Sb-123 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (I123 production)	MT33 ($\alpha,n+t$) >>



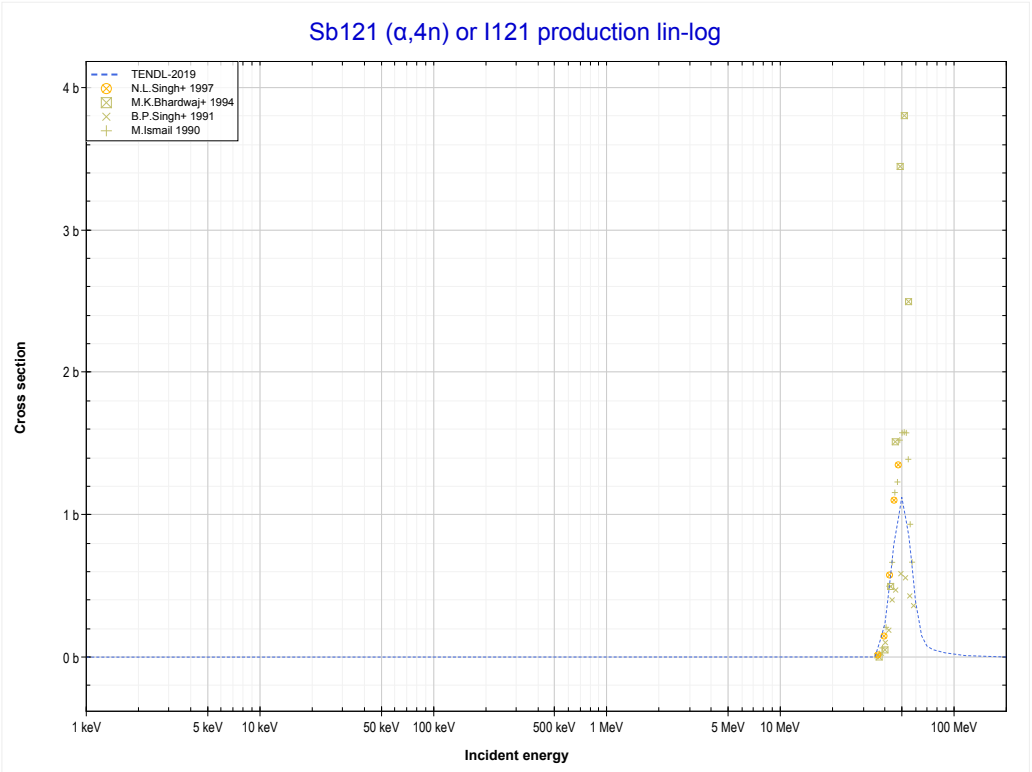
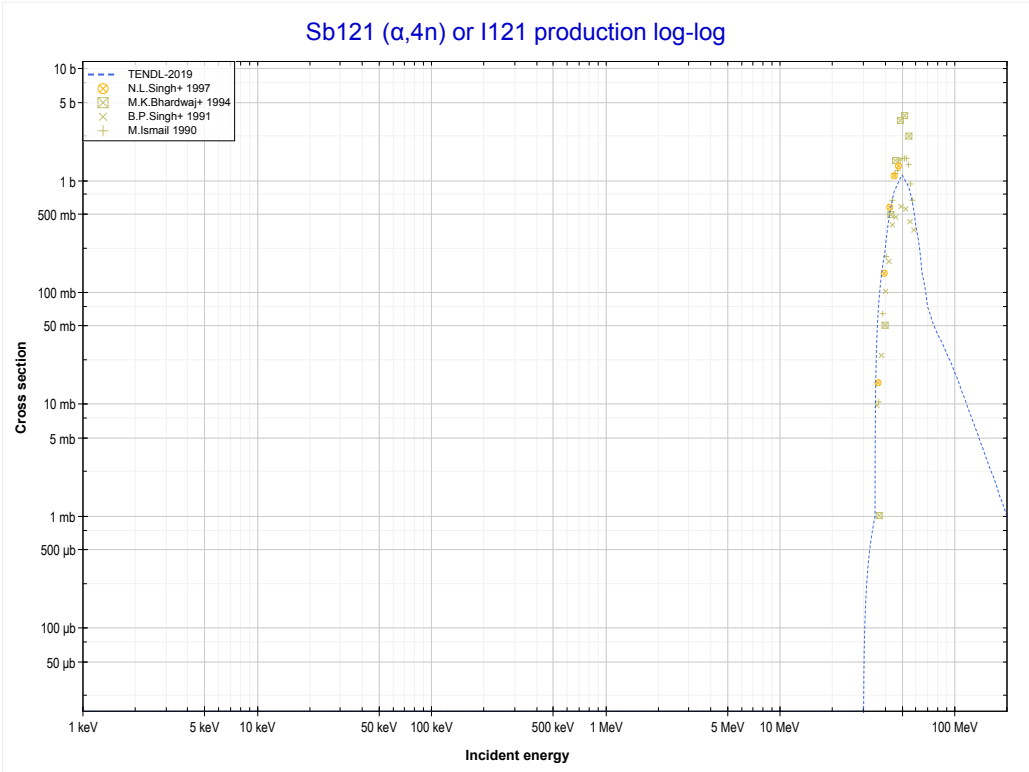
Reaction	Q-Value
Sb121($\alpha,2n$)I123	-15374.02 keV

<< 42-Mo-96	51-Sb-121	74-W-186 >>
<< MT16 (α,2n)	MT33 (α,n+t) or MT5 (Te121 production)	MT37 (α,4n) >>



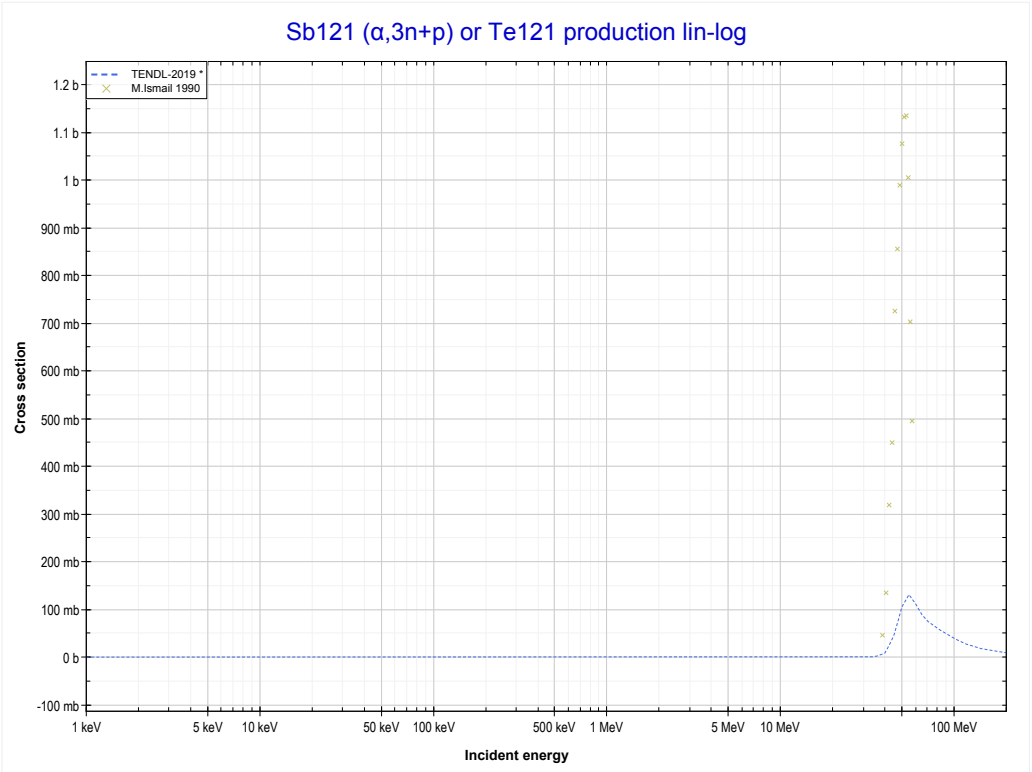
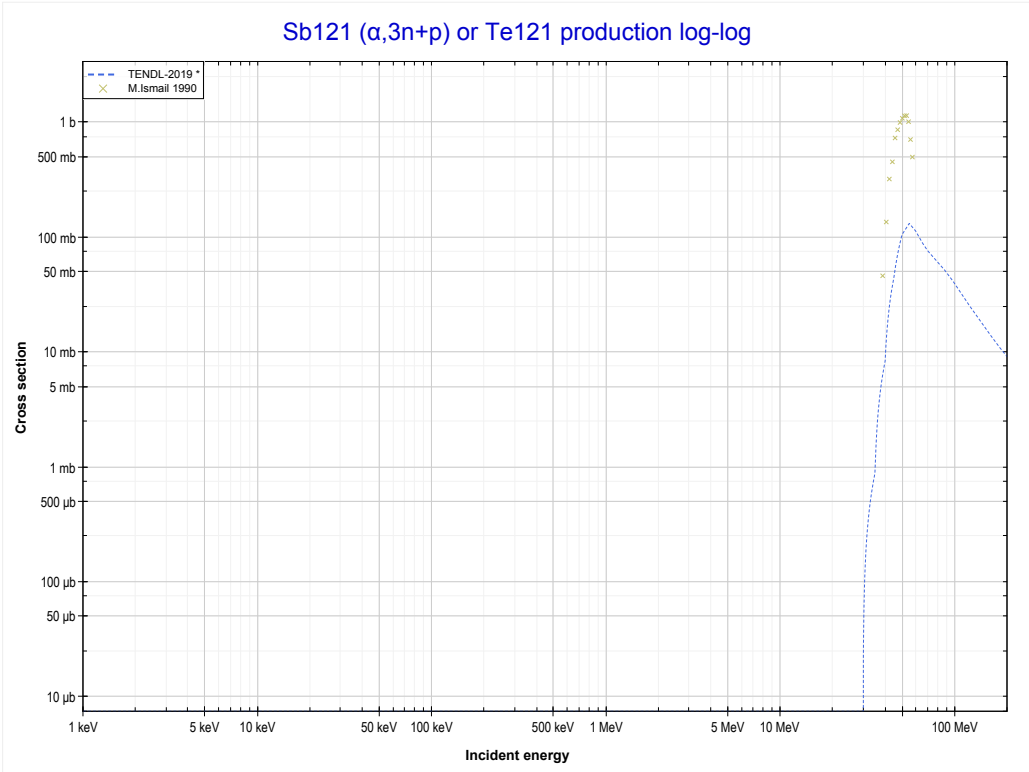
Reaction	Q-Value
Sb121(α,n+t)Te121	-21650.51 keV
Sb121(α,2n+d)Te121	-27907.74 keV
Sb121(α,3n+p)Te121	-30132.31 keV

<< 49-In-115	51-Sb-121	51-Sb-123 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (I121 production)	MT42 ($\alpha,3n+p$) >>



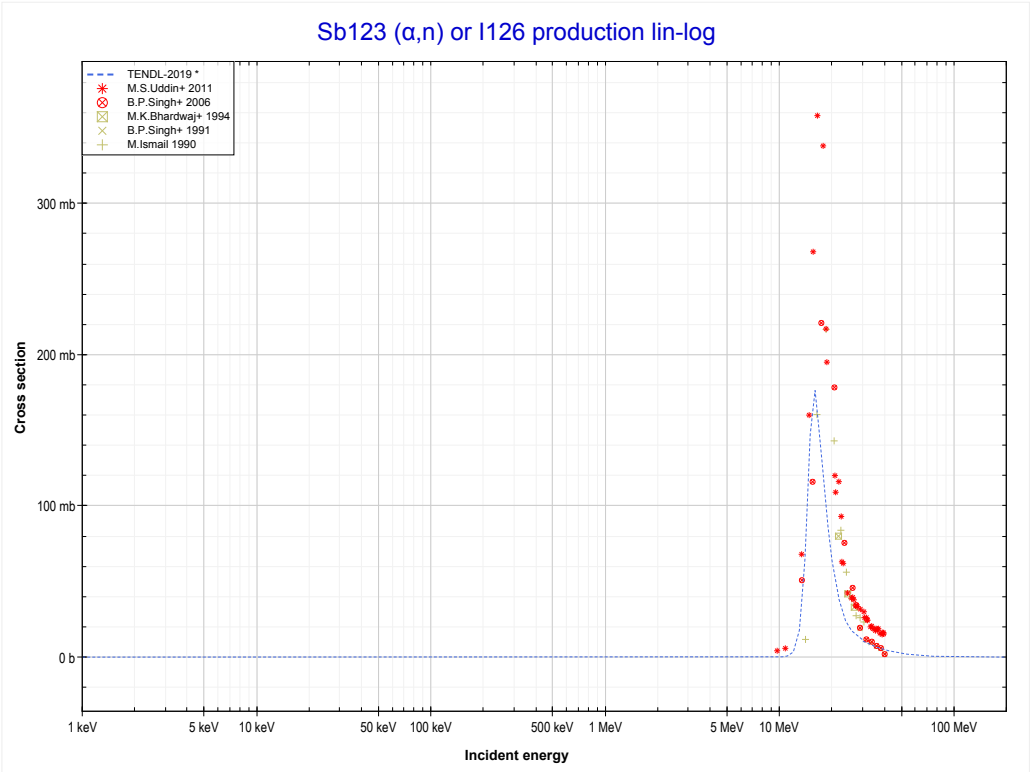
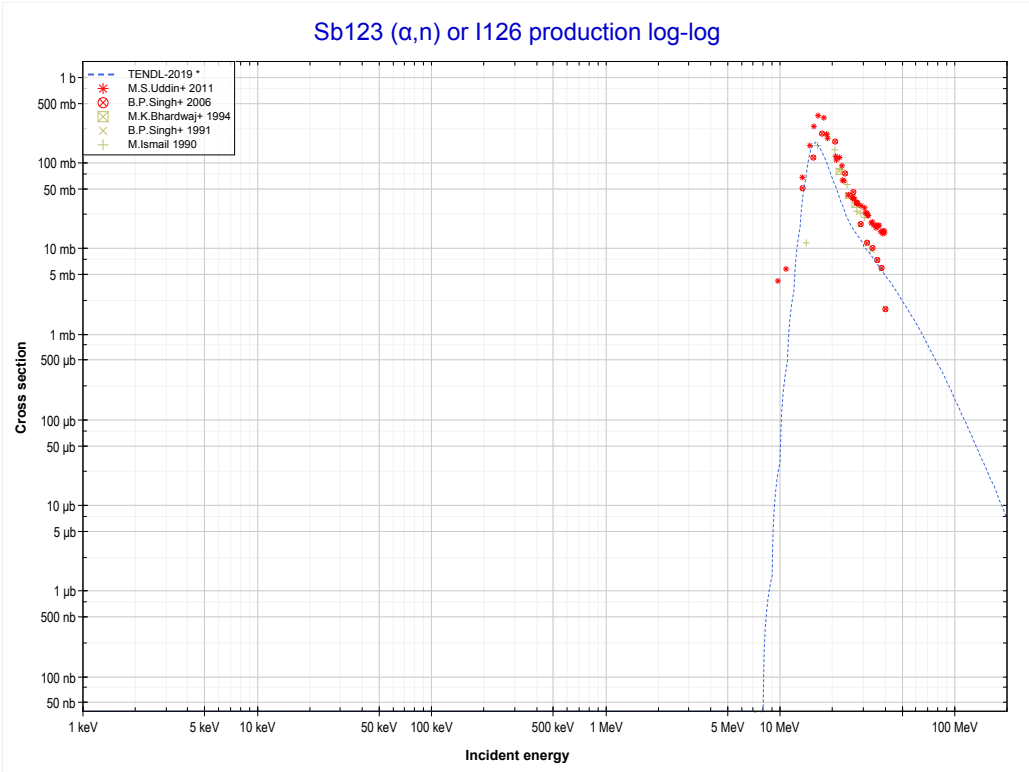
Reaction	Q-Value
Sb121($\alpha,4n$)I121	-33209.65 keV

<< 48-Cd-116	51-Sb-121	74-W-186 >>
<< MT37 ($\alpha,4n$)	MT42 ($\alpha,3n+p$) or MT5 (Te121 production)	51-Sb-123 MT4 (α,n) >>



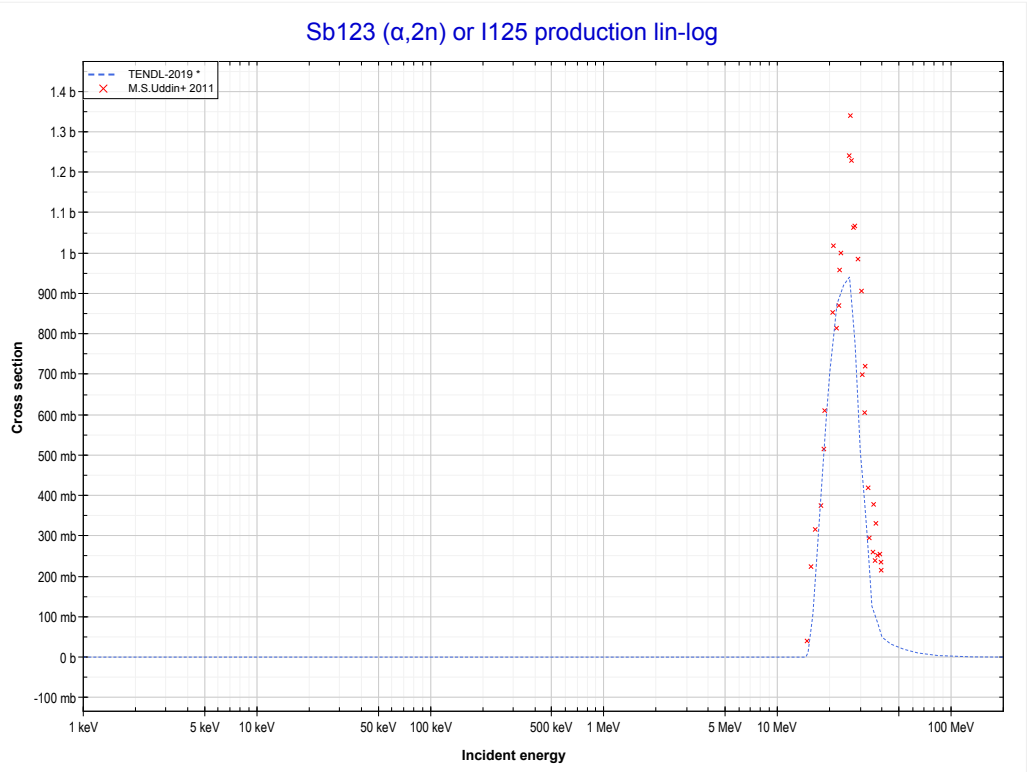
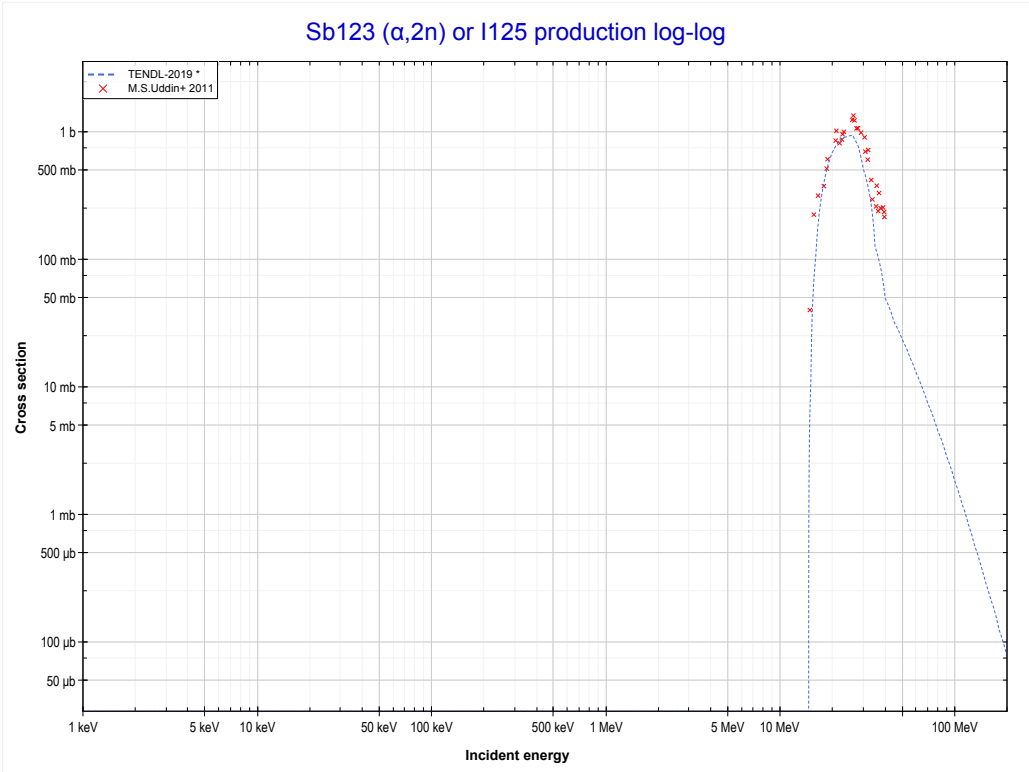
Reaction	Q-Value
Sb121($\alpha,n+t$)Te121	-21650.51 keV
Sb121($\alpha,2n+d$)Te121	-27907.74 keV
Sb121($\alpha,3n+p$)Te121	-30132.31 keV

<< 51-Sb-121	51-Sb-123	52-Te-130 >>
<< 51-Sb-121 MT42 ($\alpha,3n+p$)	MT4 (α,n) or MT5 (I126 production)	MT16 ($\alpha,2n$) >>



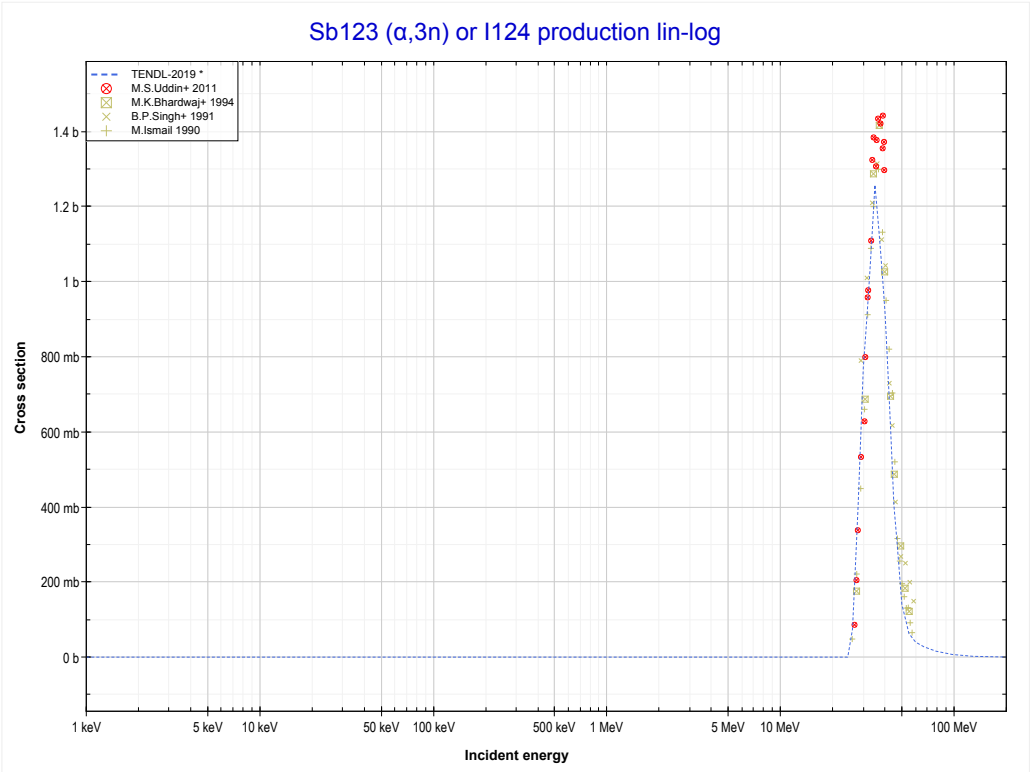
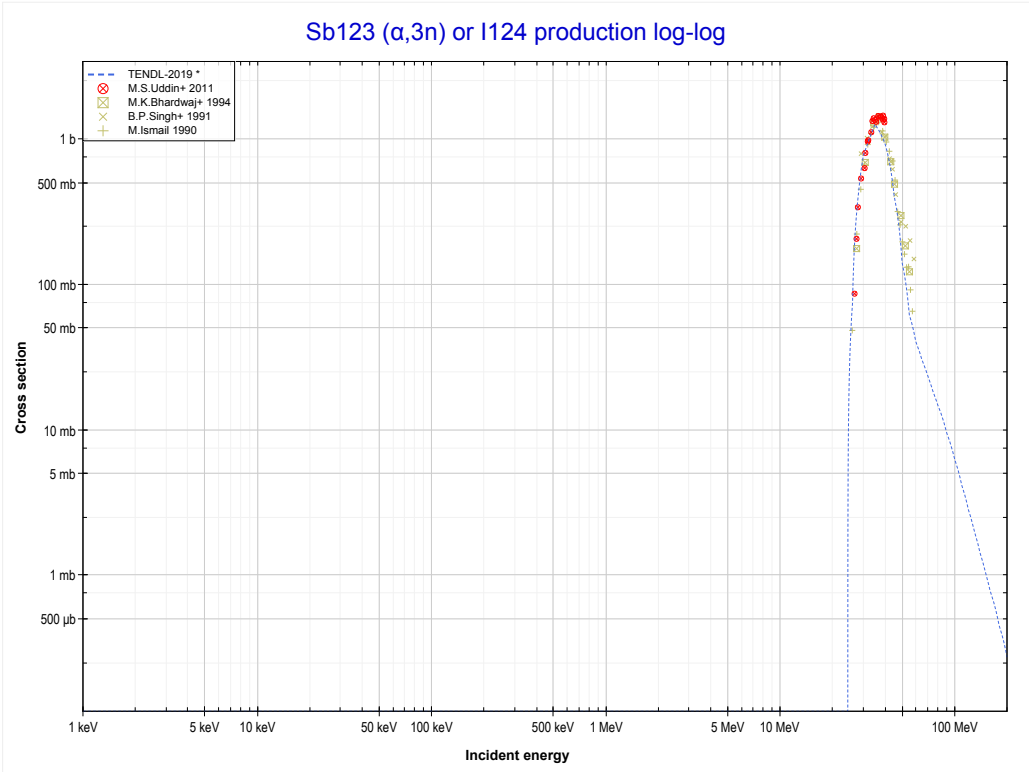
Reaction	Q-Value
Sb123(α,n)I126	-6959.50 keV

<< 51-Sb-121	51-Sb-123	52-Te-130 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (I125 production)	MT17 (α,3n) >>



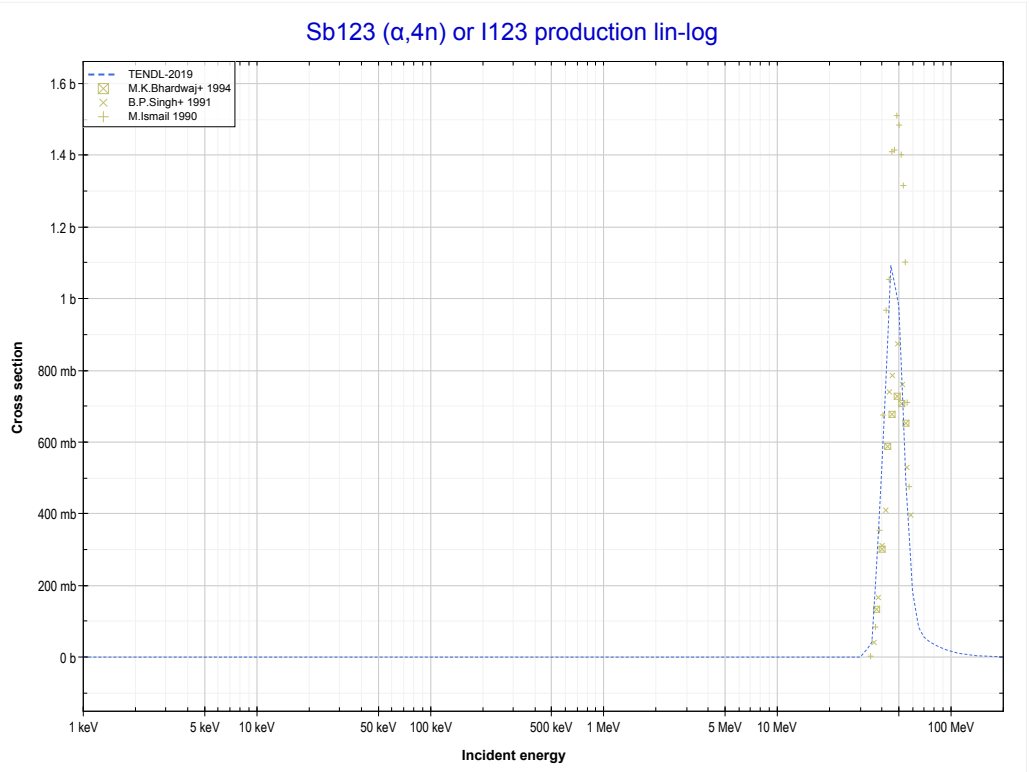
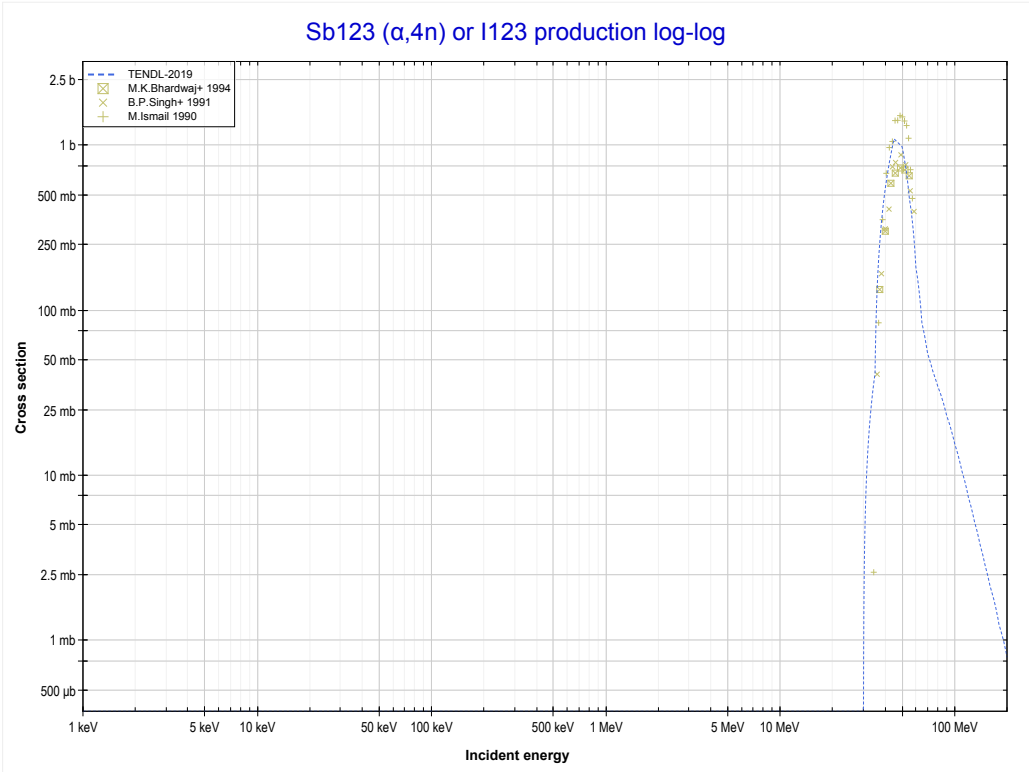
Reaction	Q-Value
Sb123(α,2n)I125	-14104.62 keV

<< 50-Sn-124	51-Sb-123	56-Ba-136 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (I124 production)	MT37 ($\alpha,4n$) >>



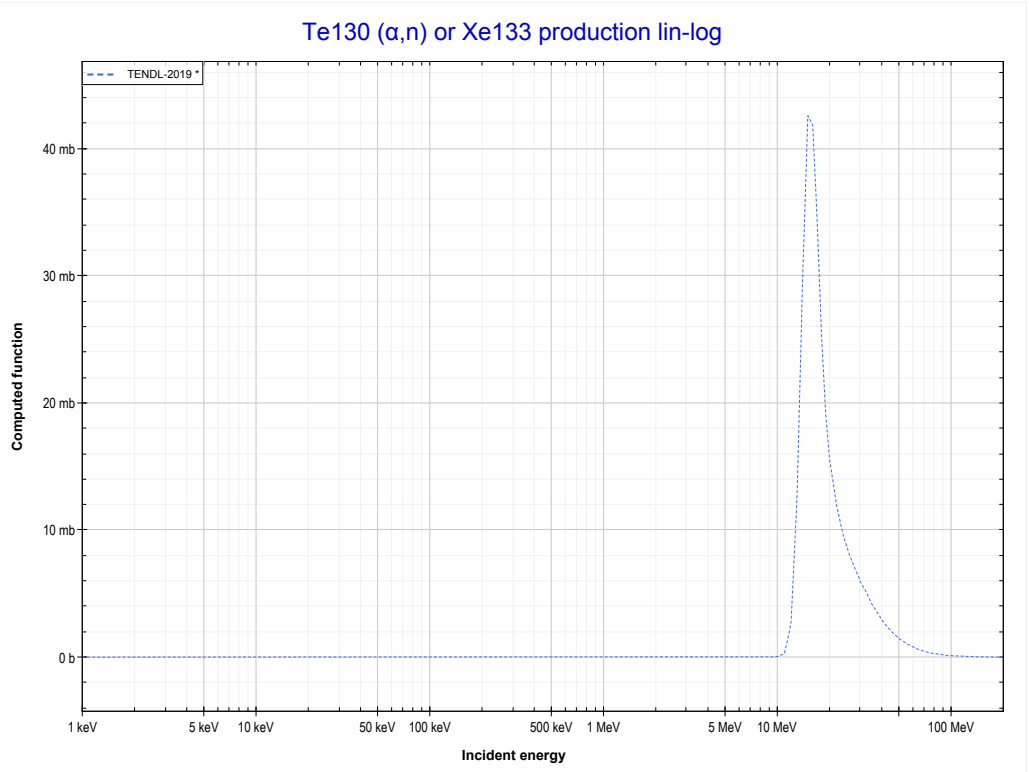
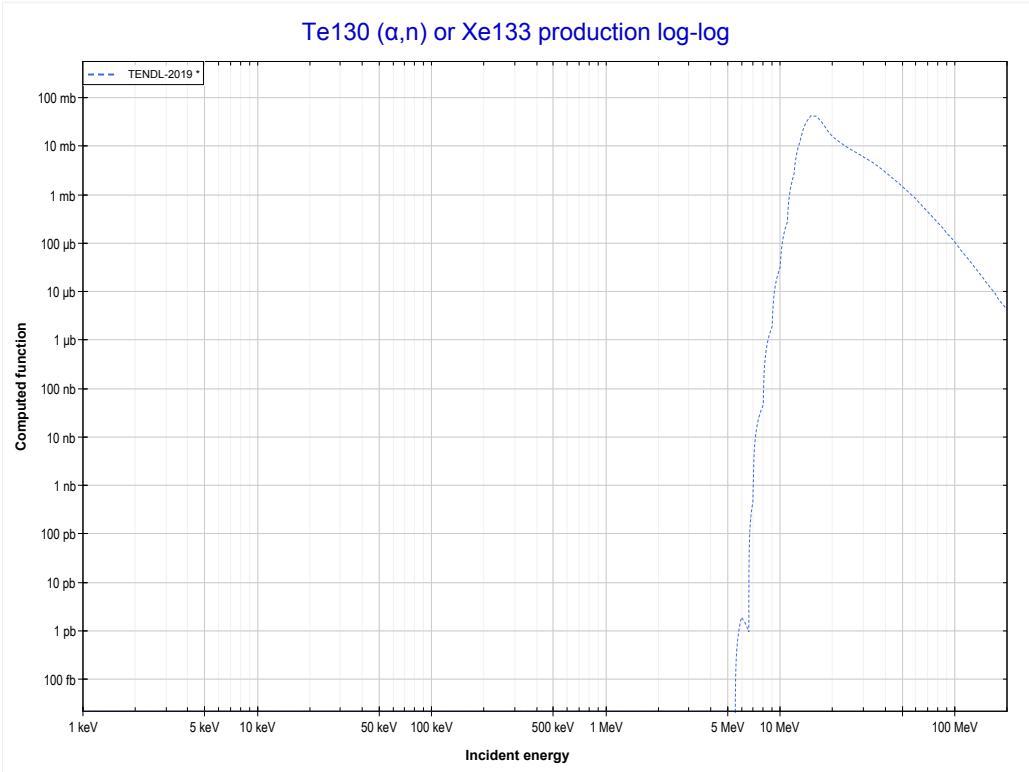
Reaction	Q-Value
Sb123($\alpha,3n$)I124	-23647.44 keV

<< 51-Sb-121	51-Sb-123	53-I-127 >>
<< MT17 (α,3n)	MT37 (α,4n) or MT5 (I123 production)	52-Te-130 MT4 (α,n) >>



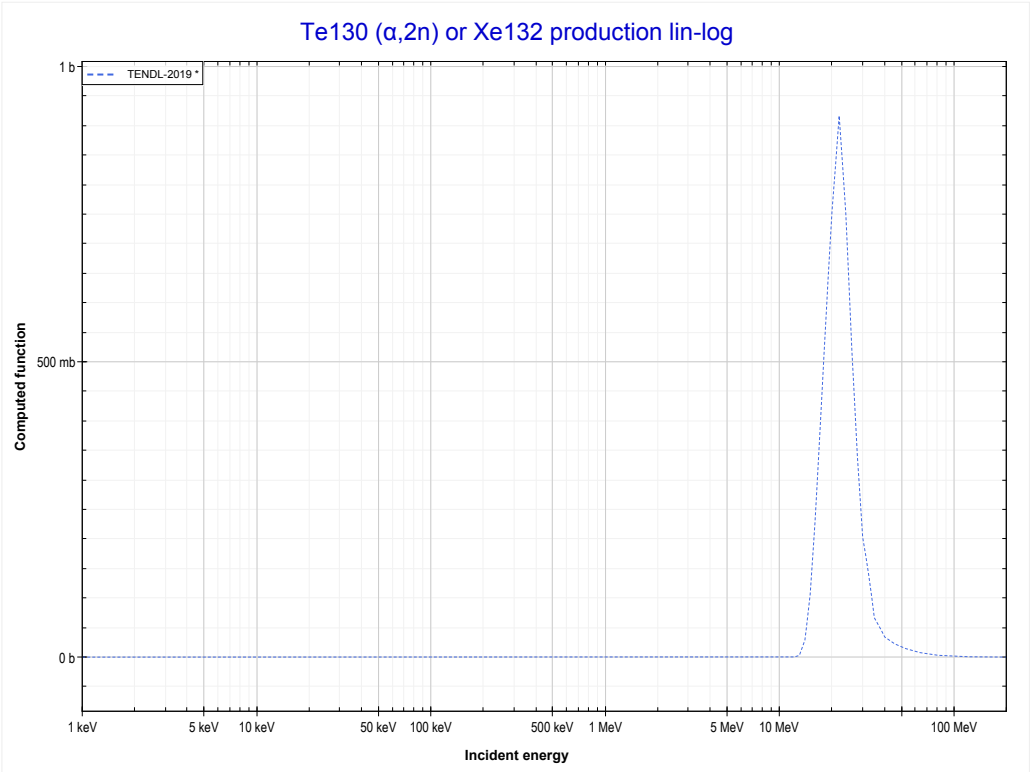
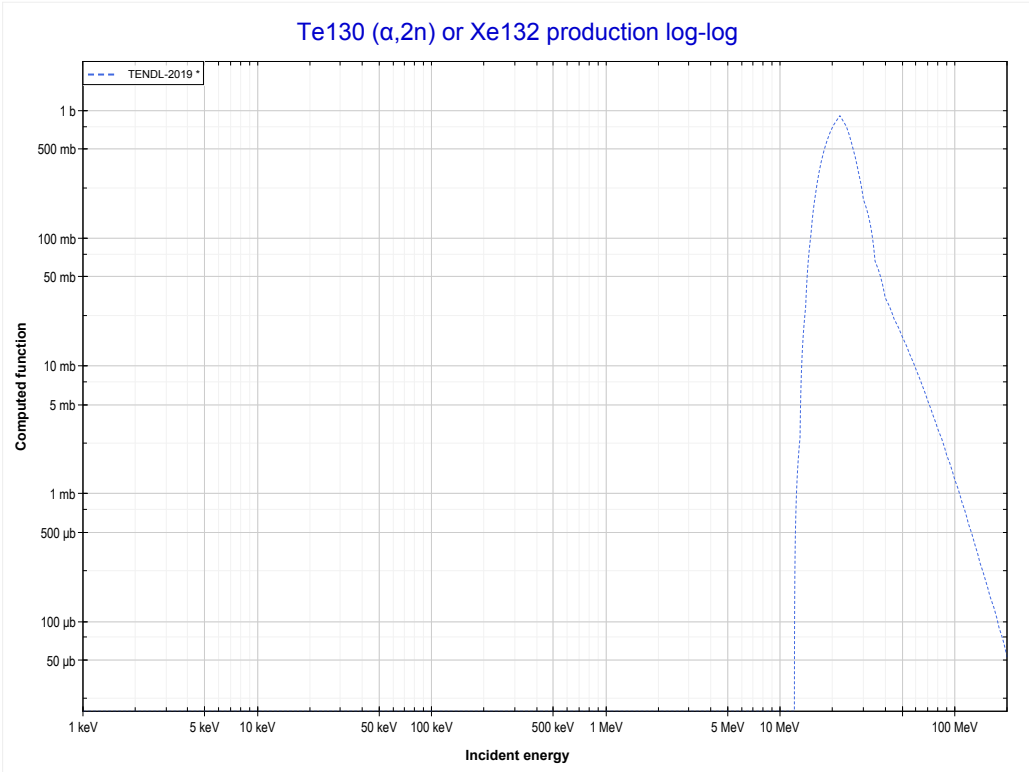
Reaction	Q-Value
Sb123(α,4n)I123	-31140.45 keV

<< 51-Sb-123	52-Te-130	56-Ba-134 >>
<< 51-Sb-123 MT37 ($\alpha,4n$)	MT4 (α,n) or MT5 (Xe133 production)	MT16 ($\alpha,2n$) >>



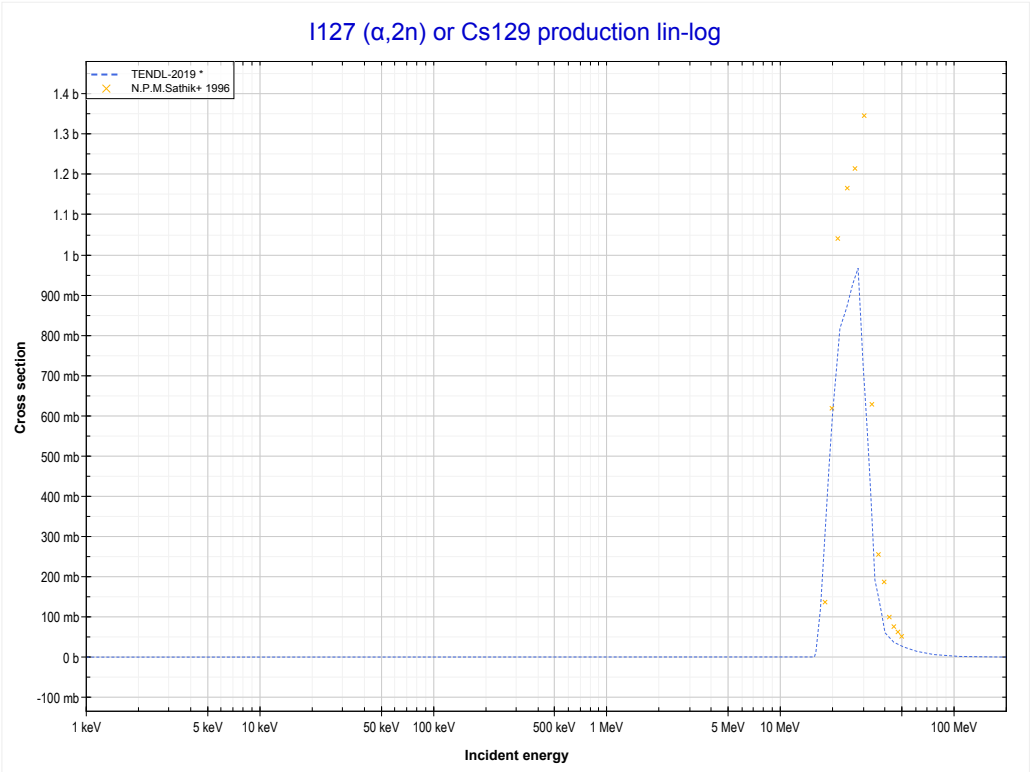
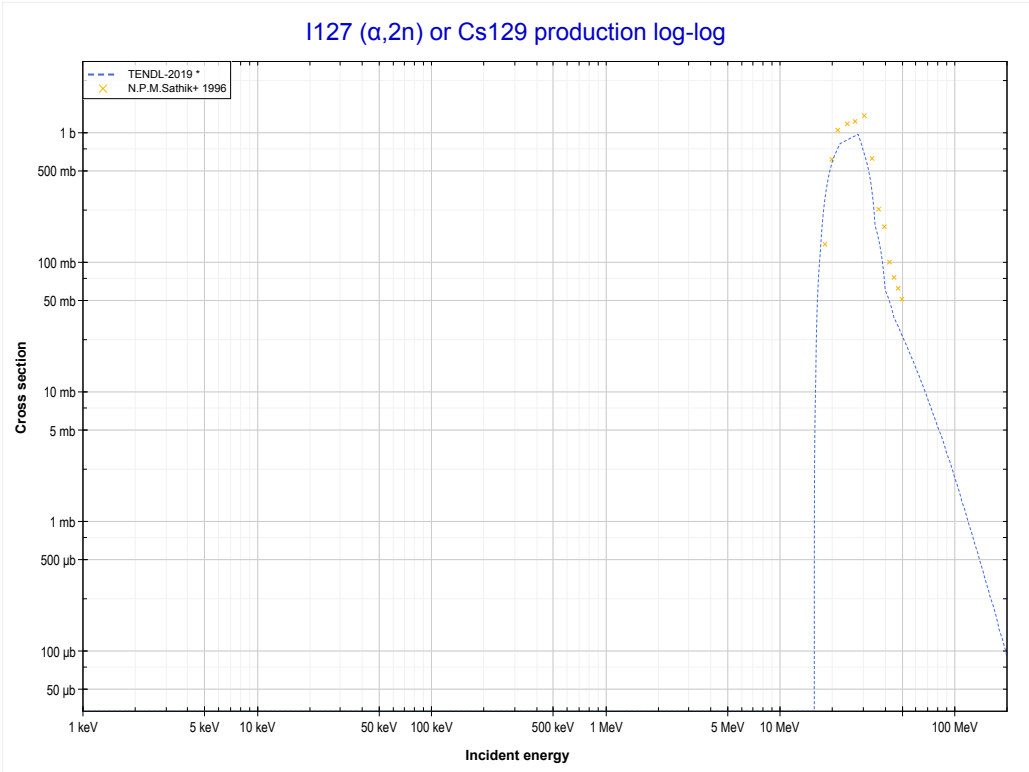
Reaction	Q-Value
Te130(α,n)Xe133	-5355.75 keV

<< 51-Sb-123	52-Te-130	53-I-127 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Xe132 production)	53-I-127 MT16 (α,2n) >>



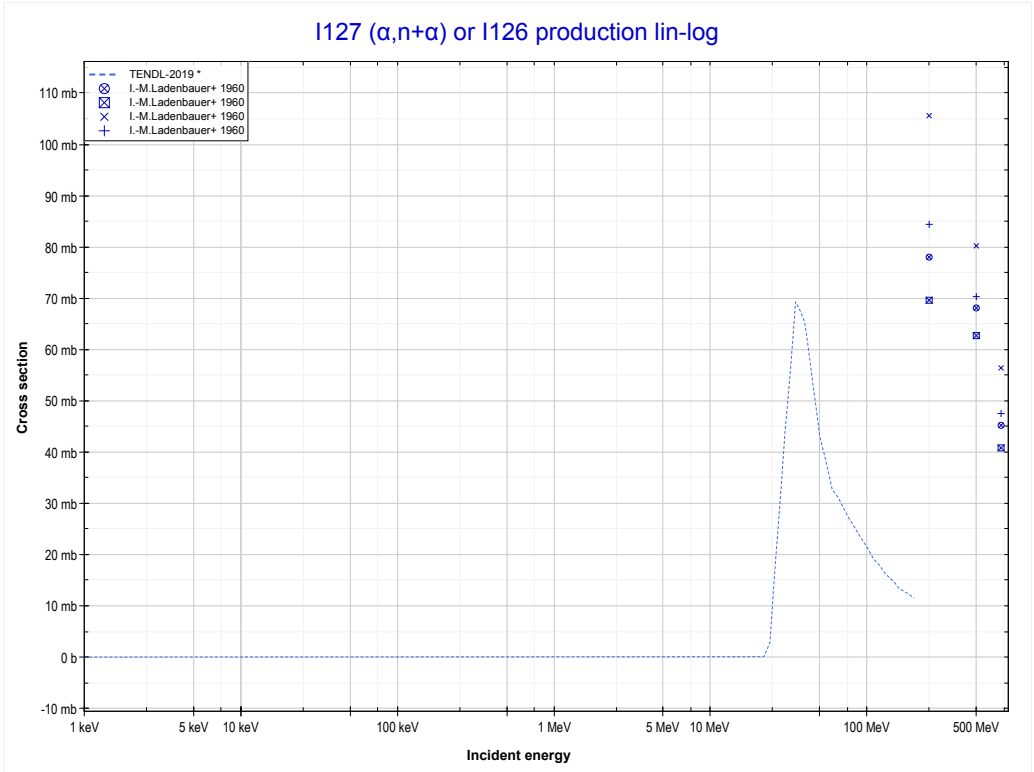
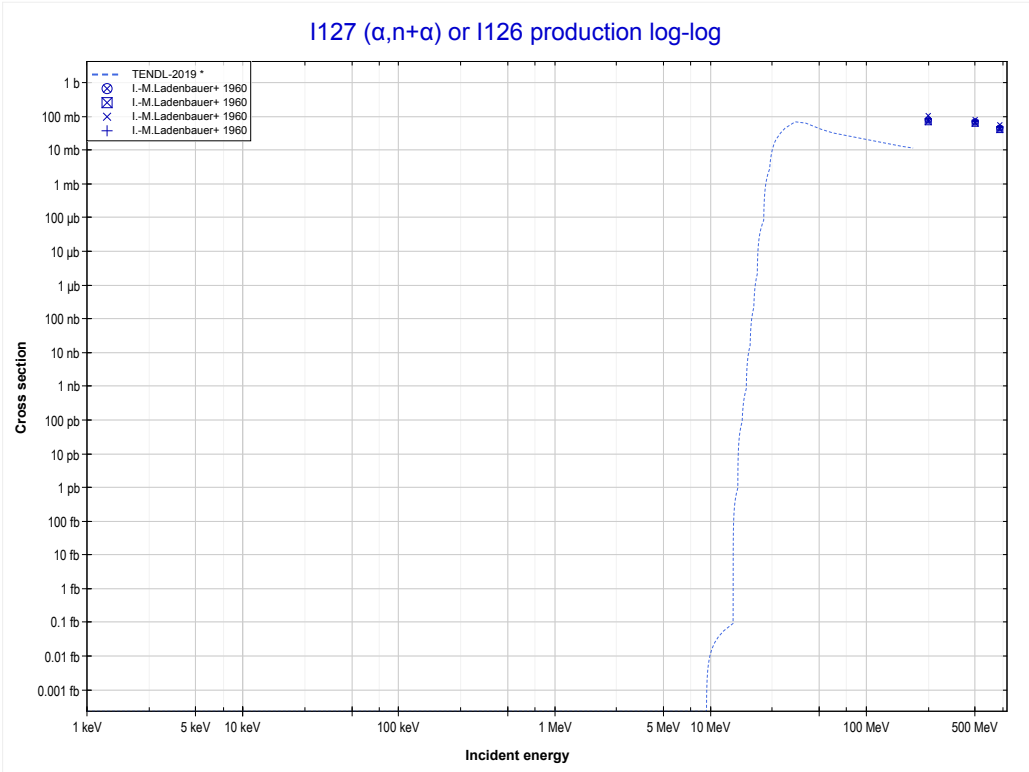
Reaction	Q-Value
Te130(α,2n)Xe132	-11791.71 keV

<< 52-Te-130	53-I-127	55-Cs-133 >>
<< 52-Te-130 MT16 (α,2n)	MT16 (α,2n) or MT5 (Cs129 production)	MT22 (α,n+α) >>



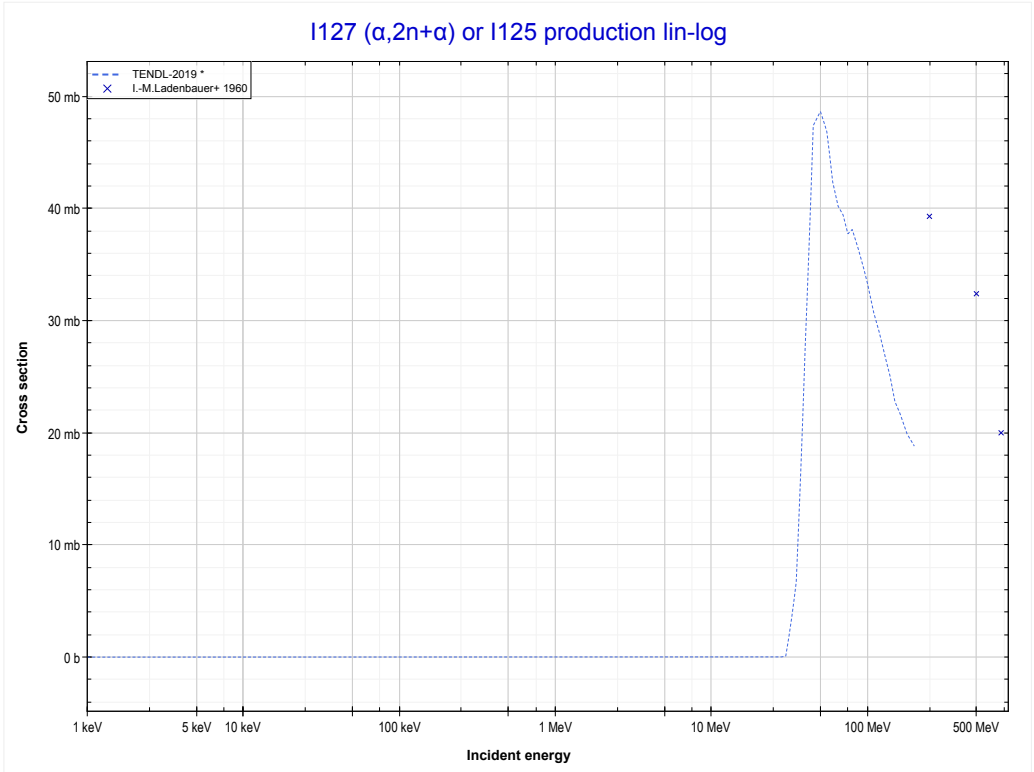
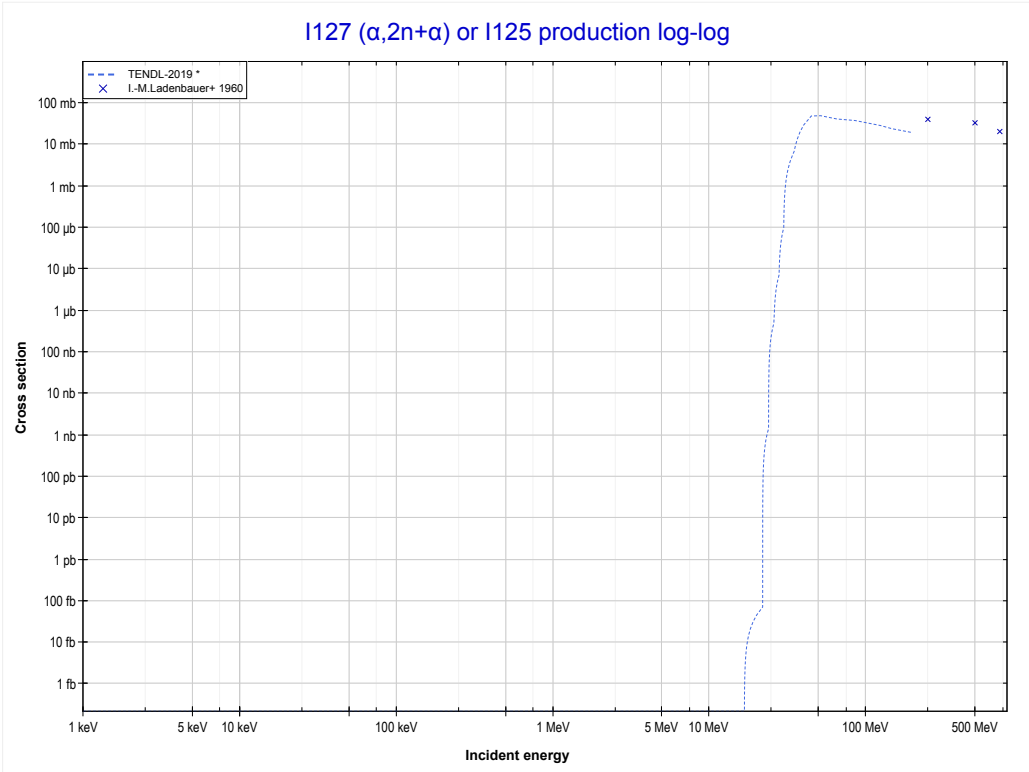
Reaction	Q-Value
I127(α,2n)Cs129	-15202.72 keV

<< 50-Sn-124	53-I-127	58-Ce-142 >>
<< MT16 (α,2n)	MT22 (α,n+α) or MT5 (I126 production)	MT24 (α,2n+α) >>



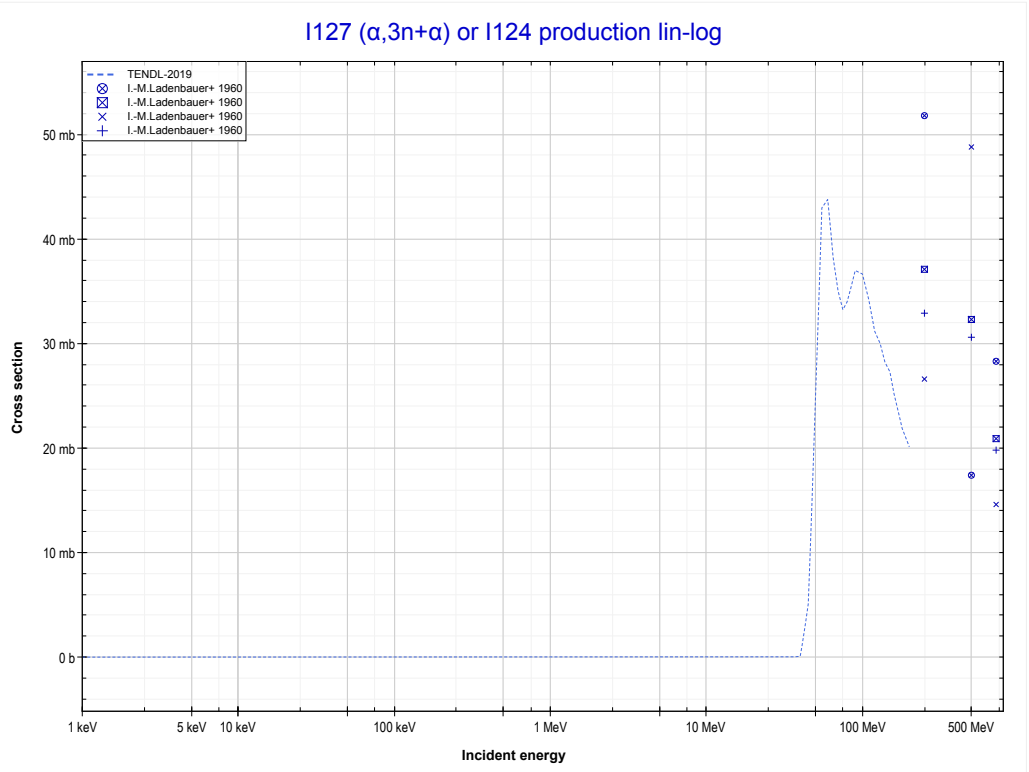
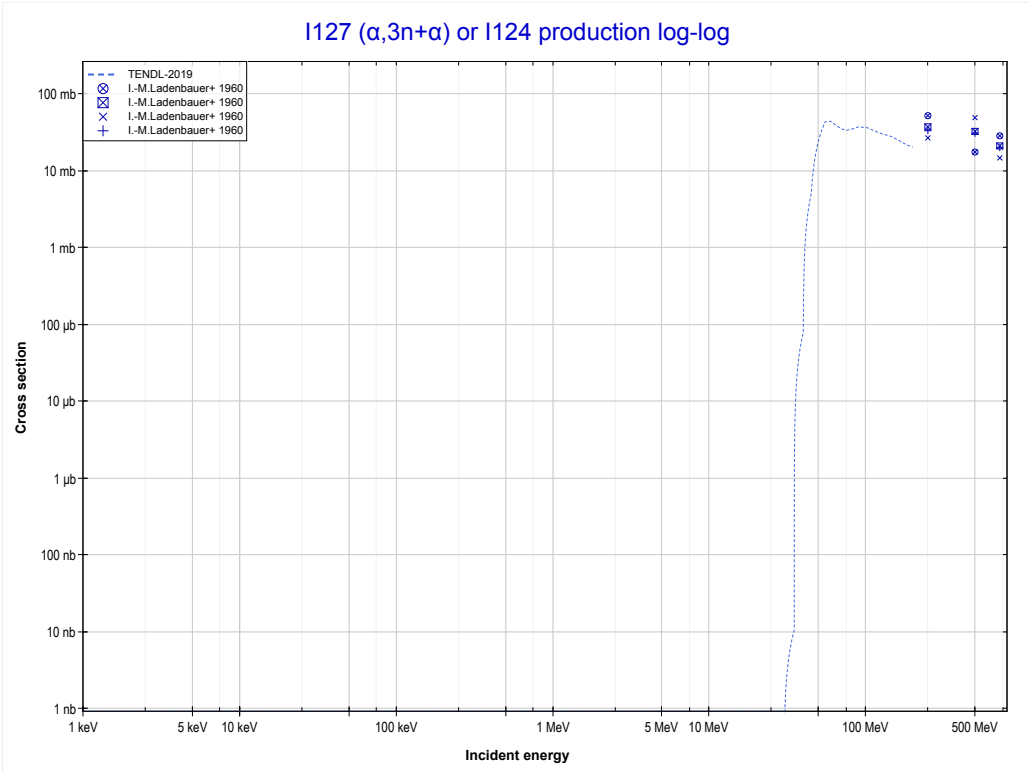
Reaction	Q-Value
I127(α,n+α)I126	-9144.32 keV
I127(α,d+t)I126	-26733.62 keV
I127(α,n+p+t)I126	-28958.18 keV
I127(α,2n+He3)I126	-29721.94 keV
I127(α,n+2d)I126	-32990.84 keV
I127(α,2n+p+d)I126	-35215.41 keV
I127(α,3n+2p)I126	-37439.98 keV

<< 47-Ag-107	53-I-127	69-Tm-169 >>
<< MT22 ($\alpha,n+\alpha$)	MT24 ($\alpha,2n+\alpha$) or MT5 (I125 production)	MT25 ($\alpha,3n+\alpha$) >>



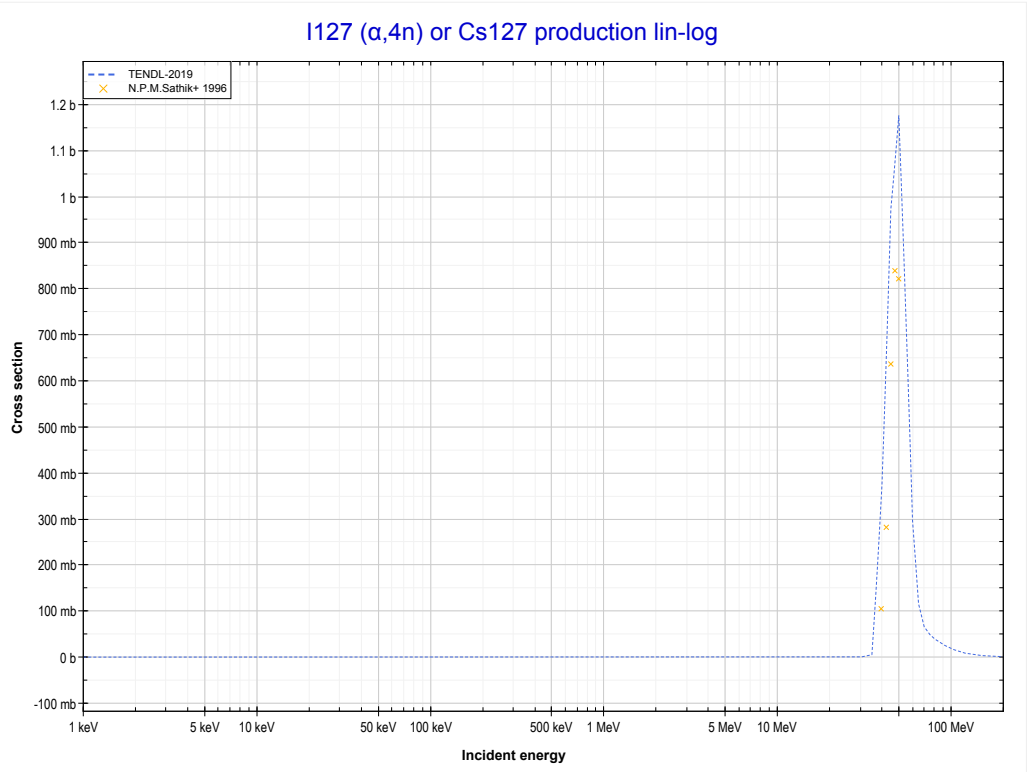
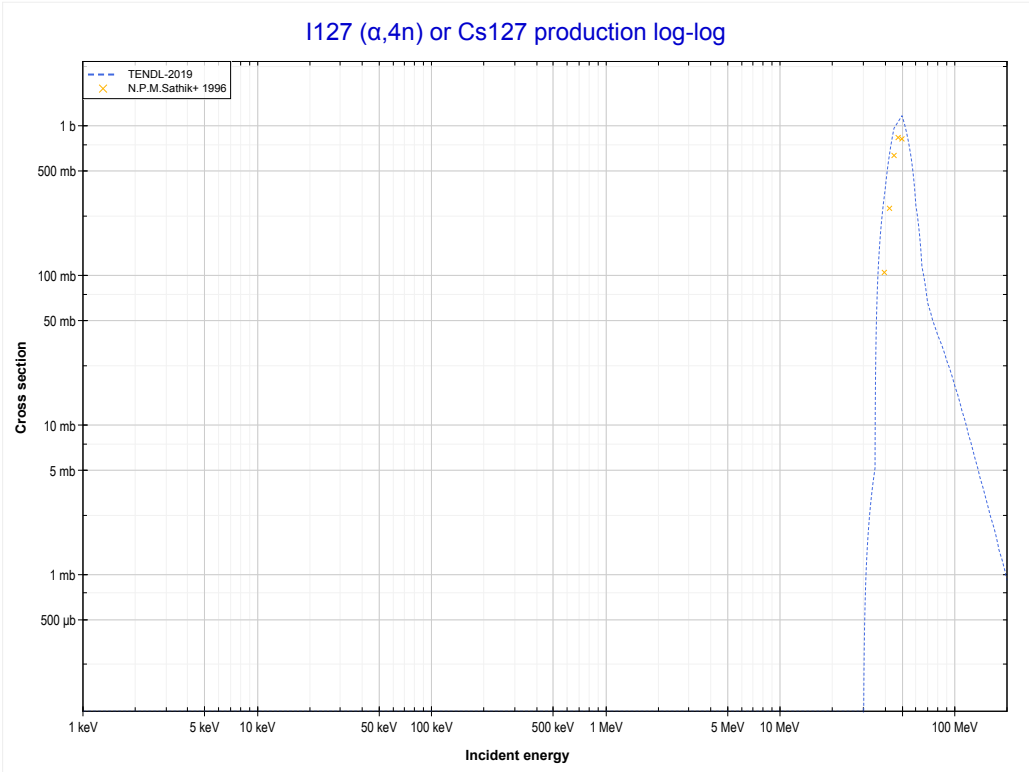
Reaction	Q-Value
I127($\alpha,2n+\alpha$)I125	-16289.43 keV
I127($\alpha,2t$)I125	-27621.50 keV
I127($\alpha,n+d+t$)I125	-33878.73 keV
I127($\alpha,2n+p+t$)I125	-36103.30 keV
I127($\alpha,3n+He3$)I125	-36867.05 keV
I127($\alpha,2n+2d$)I125	-40135.96 keV
I127($\alpha,3n+p+d$)I125	-42360.53 keV
I127($\alpha,4n+2p$)I125	-44585.09 keV

<< 47-Ag-109	53-I-127	65-Tb-159 >>
<< MT24 ($\alpha,2n+\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (I124 production)	MT37 ($\alpha,4n$) >>



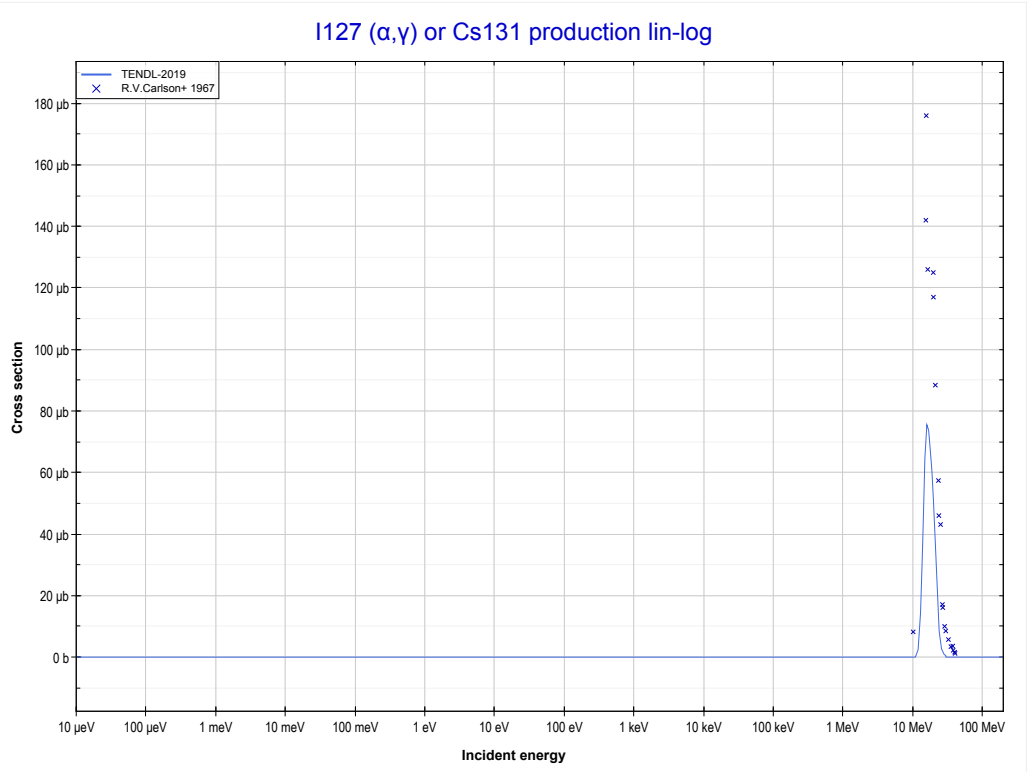
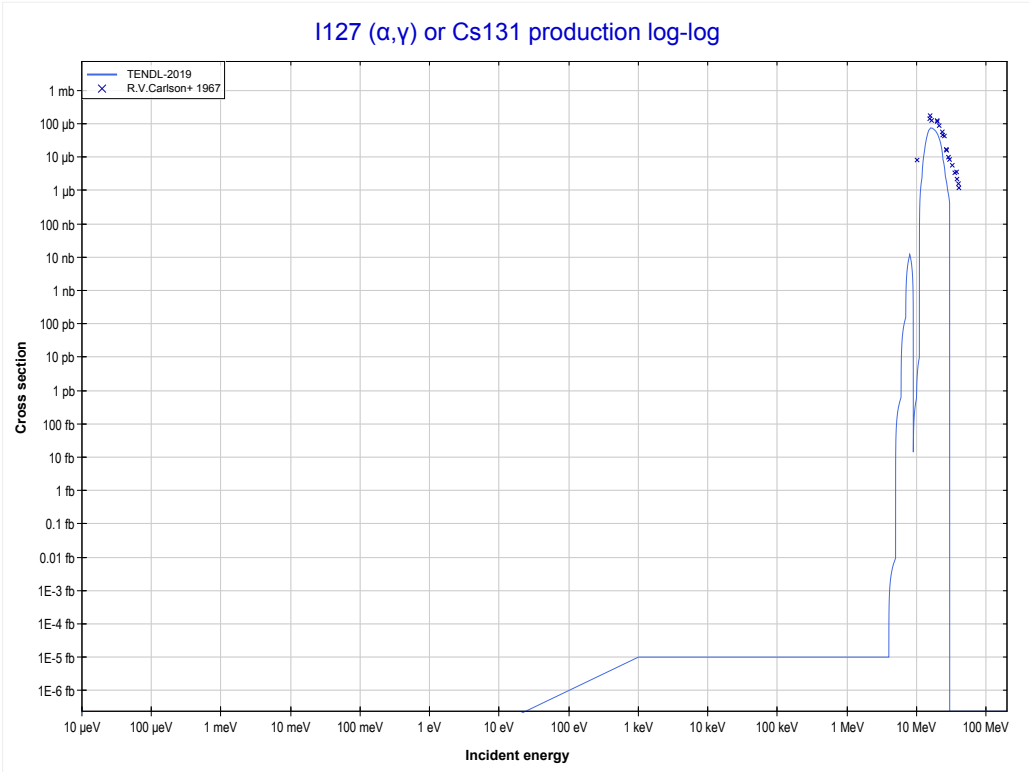
Reaction	Q-Value
I127($\alpha,3n+\alpha$)I124	-25832.25 keV
I127($\alpha,n+2t$)I124	-37164.32 keV
I127($\alpha,2n+d+t$)I124	-43421.55 keV
I127($\alpha,3n+p+t$)I124	-45646.12 keV
I127($\alpha,4n+He3$)I124	-46409.87 keV
I127($\alpha,3n+2d$)I124	-49678.78 keV
I127($\alpha,4n+p+d$)I124	-51903.35 keV
I127($\alpha,5n+2p$)I124	-54127.91 keV

<< 51-Sb-123	53-I-127	55-Cs-133 >>
<< MT25 ($\alpha,3n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Cs127 production)	MT102 (α,γ) >>



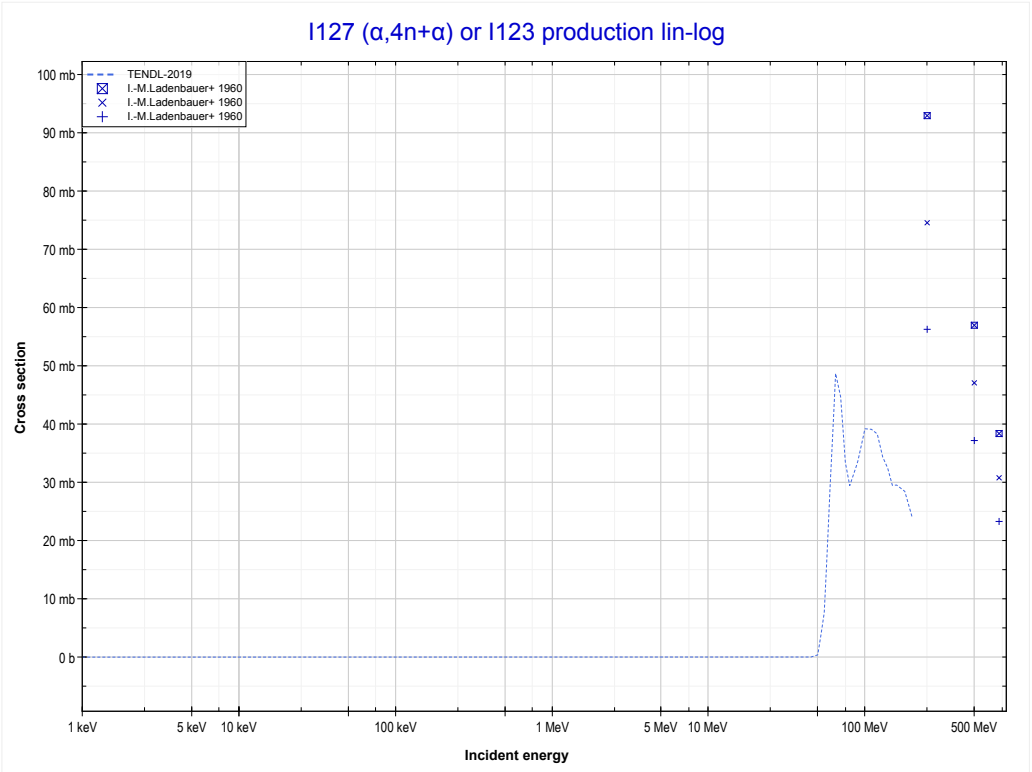
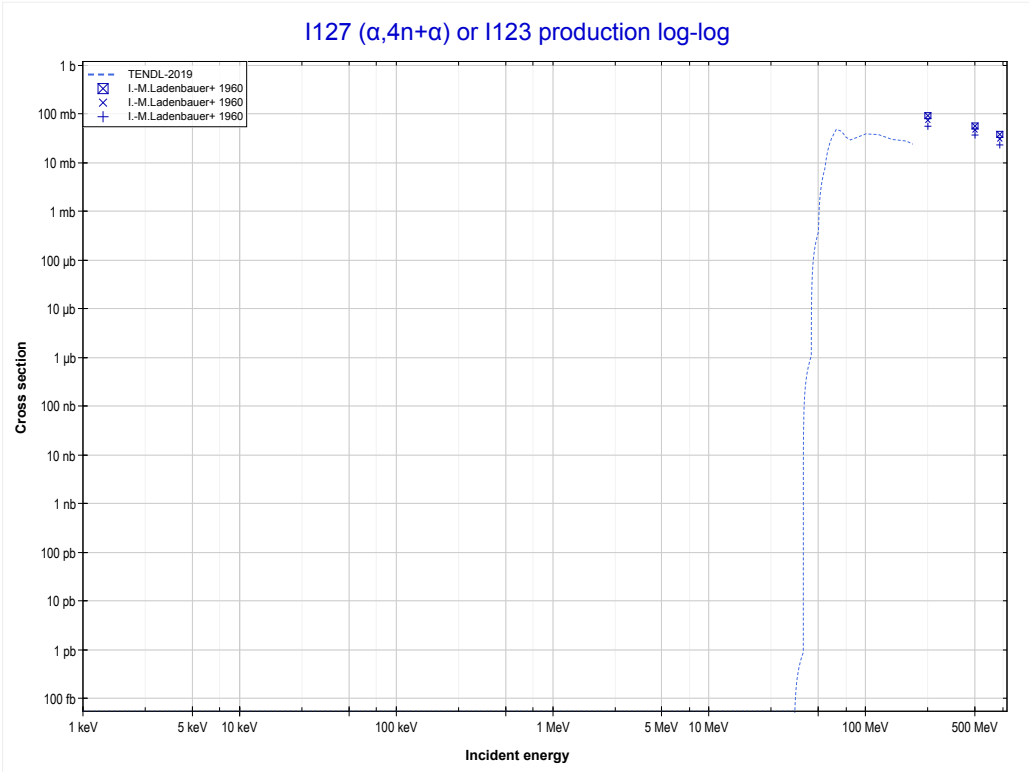
Reaction	Q-Value
I127($\alpha,4n$)Cs127	-32604.35 keV

<< 50-Sn-117	53-I-127	57-La-139 >>
<< MT37 ($\alpha,4n$)	MT102 (α,γ) or MT5 (Cs131 production)	MT165 ($\alpha,4n+\alpha$) >>



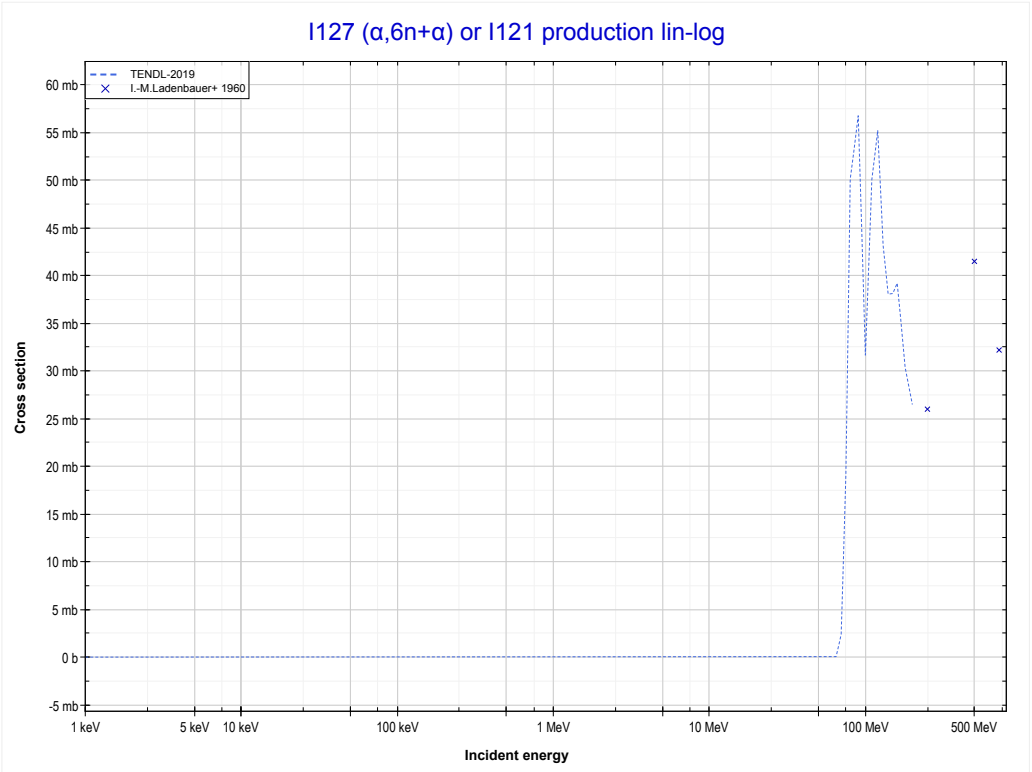
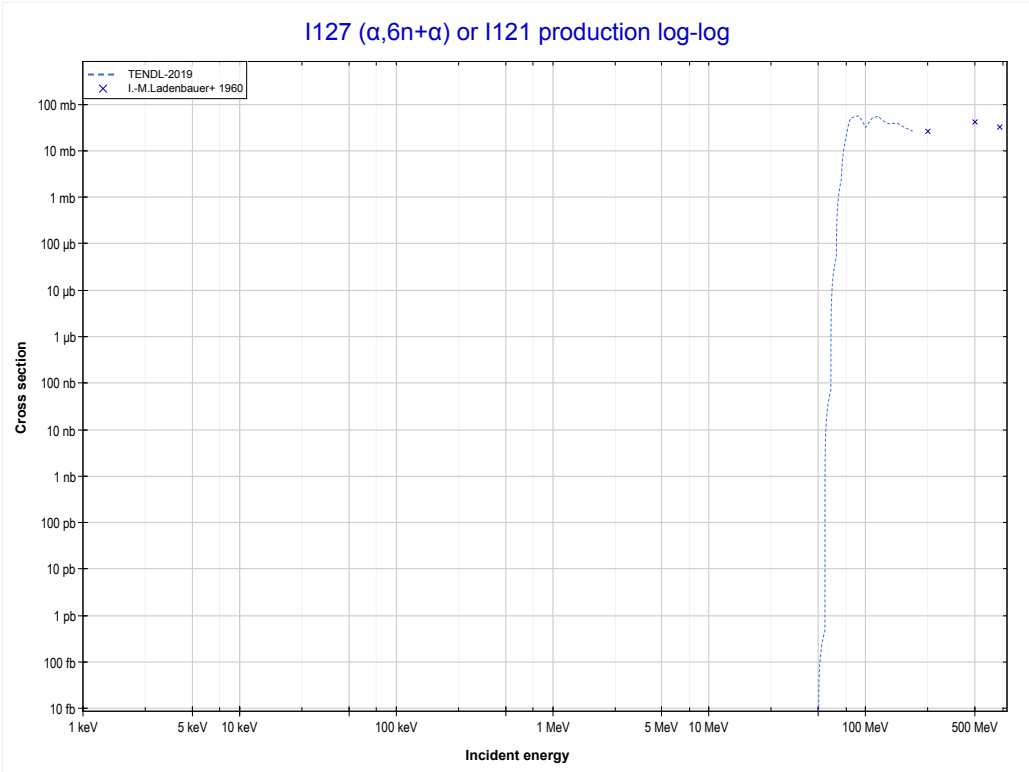
Reaction	Q-Value
1127(α,γ)Cs131	1499.92 keV

<< 47-Ag-109	53-I-127	
<< MT102 (α,γ)	MT165 ($\alpha,4n+\alpha$) or MT5 (I123 production)	MT167 ($\alpha,6n+\alpha$) >>



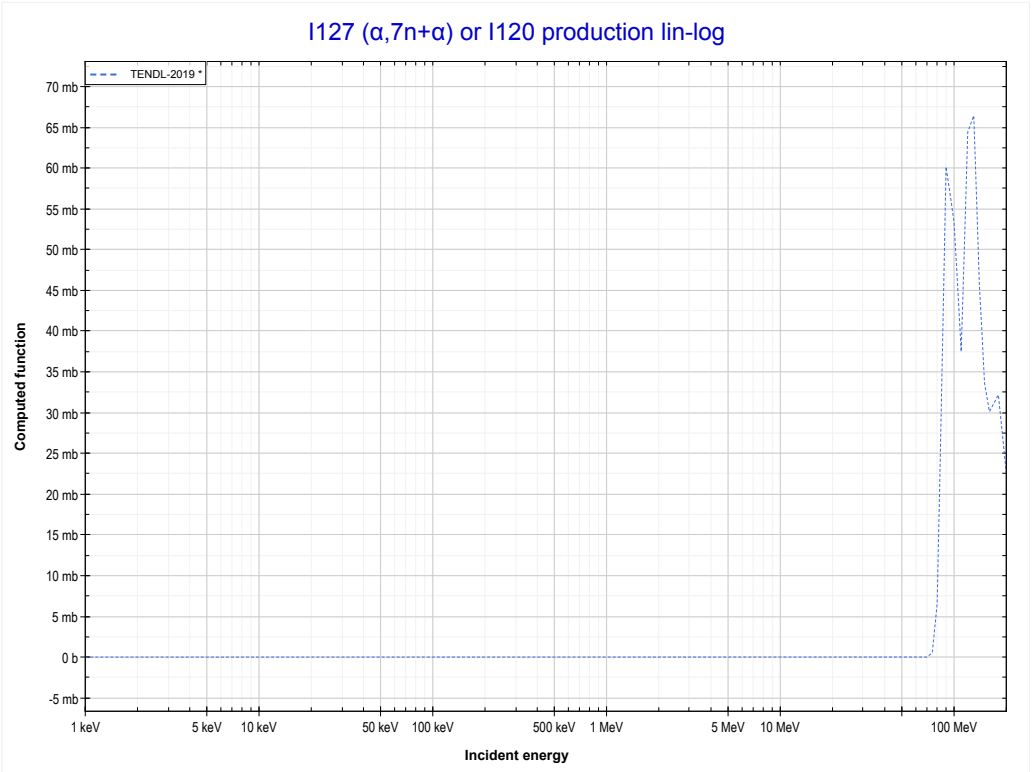
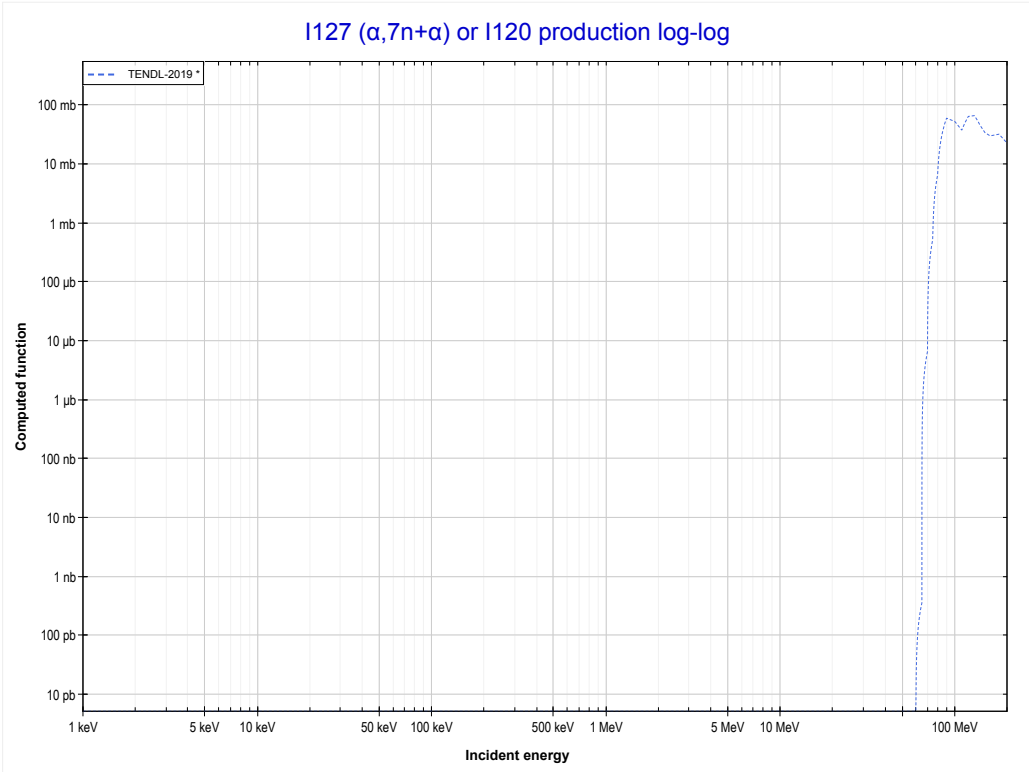
Reaction	Q-Value
I127($\alpha,4n+\alpha$)I123	-33325.27 keV
I127($\alpha,2n+2t$)I123	-44657.34 keV
I127($\alpha,3n+d+t$)I123	-50914.57 keV
I127($\alpha,4n+p+t$)I123	-53139.13 keV
I127($\alpha,5n+\text{He3}$)I123	-53902.89 keV
I127($\alpha,4n+2d$)I123	-57171.80 keV
I127($\alpha,5n+p+d$)I123	-59396.36 keV
I127($\alpha,6n+2p$)I123	-61620.93 keV

	53-I-127	
<< MT165 ($\alpha,4n+\alpha$)	MT167 ($\alpha,6n+\alpha$) or MT5 (I121 production)	MT168 ($\alpha,7n+\alpha$) >>



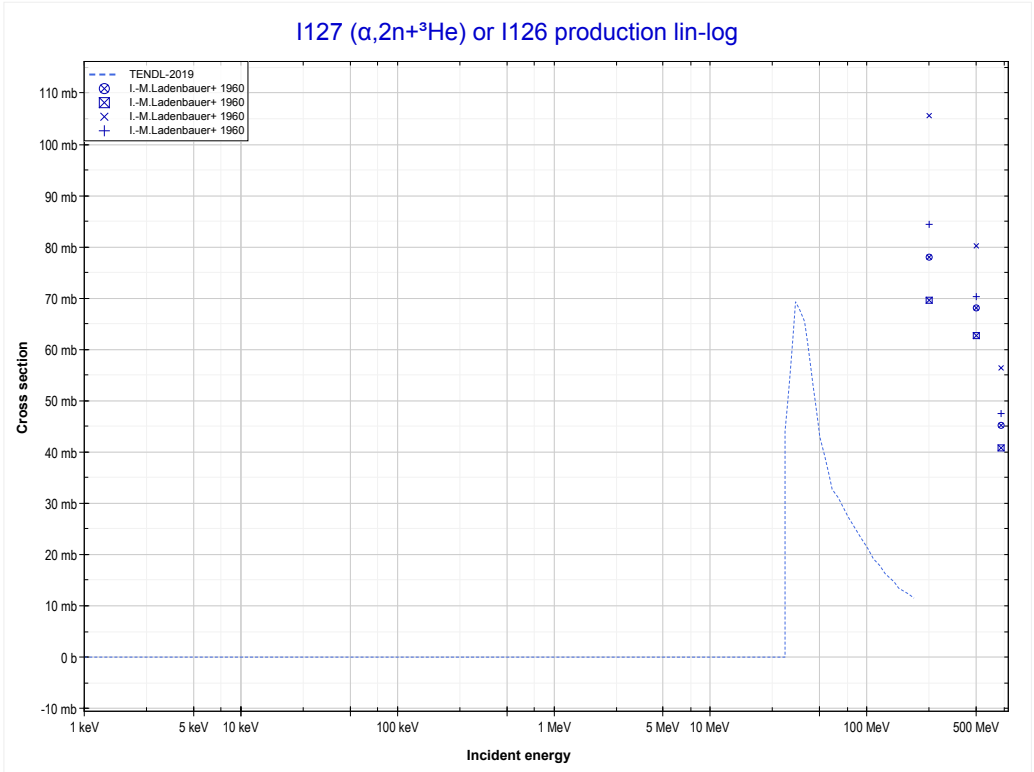
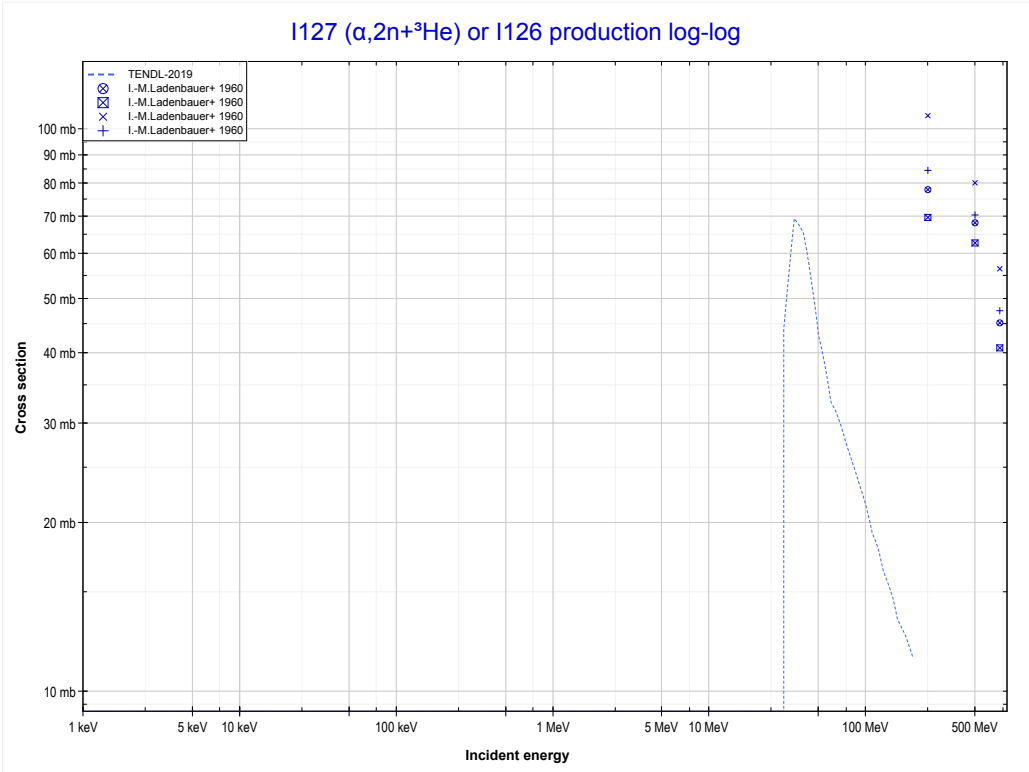
Reaction	Q-Value
I127($\alpha,6n+\alpha$)I121	-51160.90 keV
I127($\alpha,4n+2t$)I121	-62492.97 keV
I127($\alpha,5n+d+t$)I121	-68750.20 keV
I127($\alpha,6n+p+t$)I121	-70974.77 keV
I127($\alpha,7n+He3$)I121	-71738.52 keV
I127($\alpha,6n+2d$)I121	-75007.43 keV
I127($\alpha,7n+p+d$)I121	-77232.00 keV
I127($\alpha,8n+2p$)I121	-79456.56 keV

	53-I-127	
<< MT167 ($\alpha,6n+\alpha$)	MT168 ($\alpha,7n+\alpha$) or MT5 (I120 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



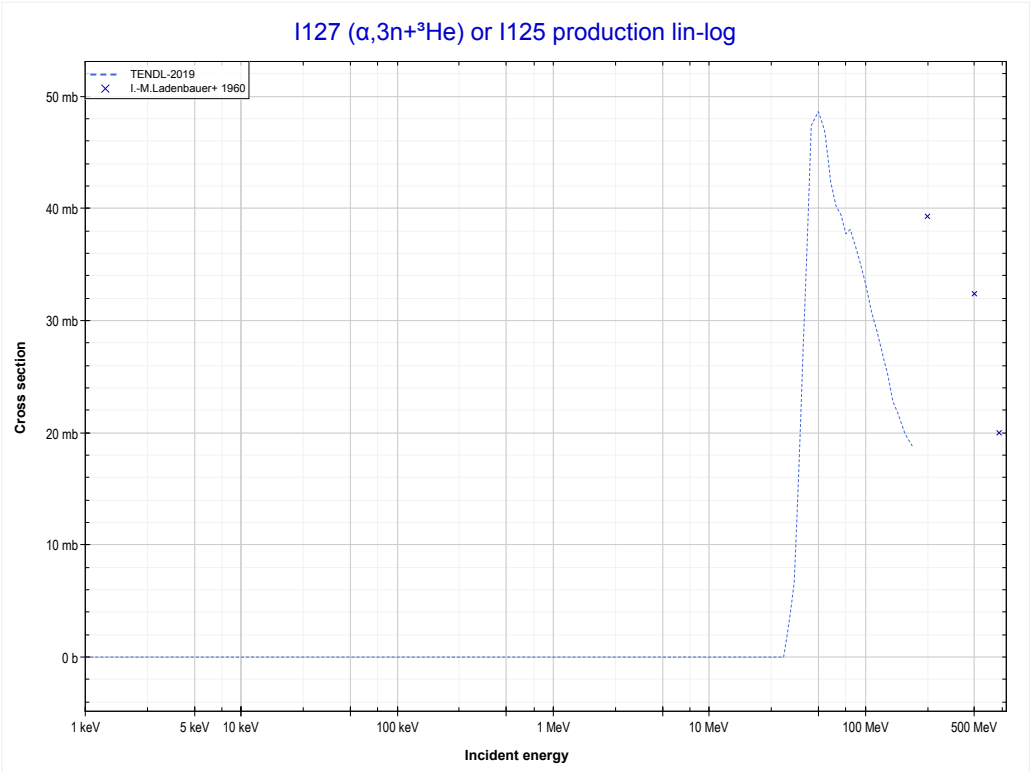
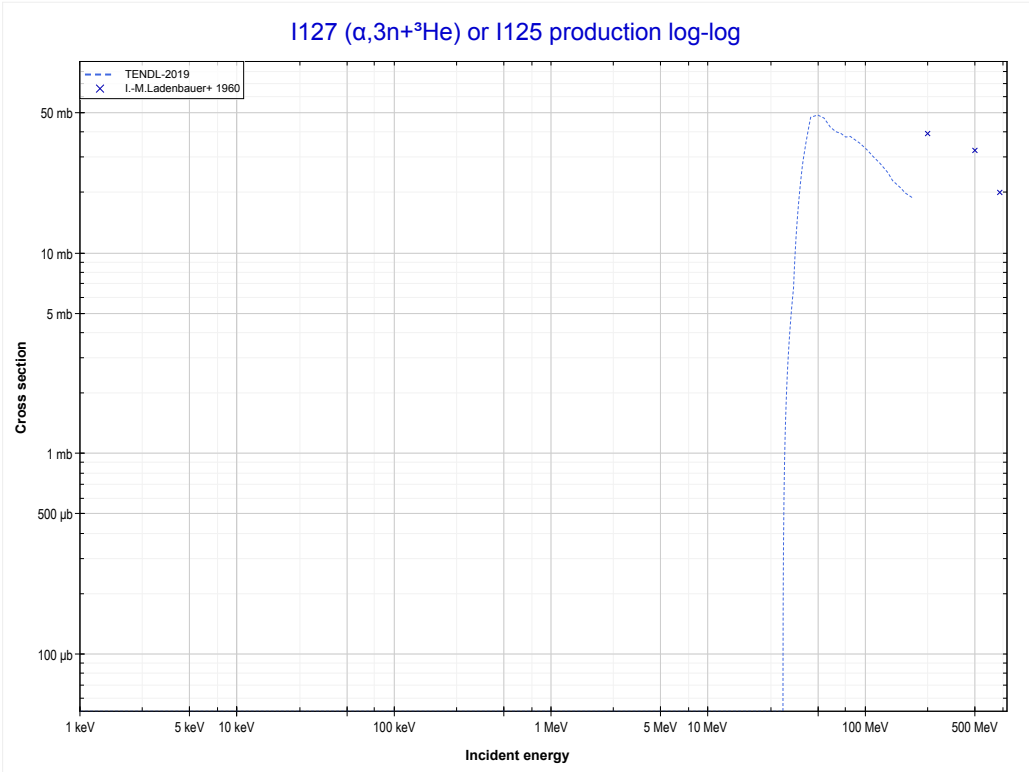
Reaction	Q-Value
I127($\alpha,7n+\alpha$)I120	-61730.22 keV
I127($\alpha,5n+2t$)I120	-73062.29 keV
I127($\alpha,6n+d+t$)I120	-79319.52 keV
I127($\alpha,7n+p+t$)I120	-81544.08 keV
I127($\alpha,8n+\text{He3}$)I120	-82307.84 keV
I127($\alpha,7n+2d$)I120	-85576.75 keV
I127($\alpha,8n+p+d$)I120	-87801.31 keV

<< 45-Rh-103	53-I-127	65-Tb-159 >>
<< MT168 ($\alpha,7n+\alpha$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (I126 production)	MT177 ($\alpha,3n+^3\text{He}$) >>



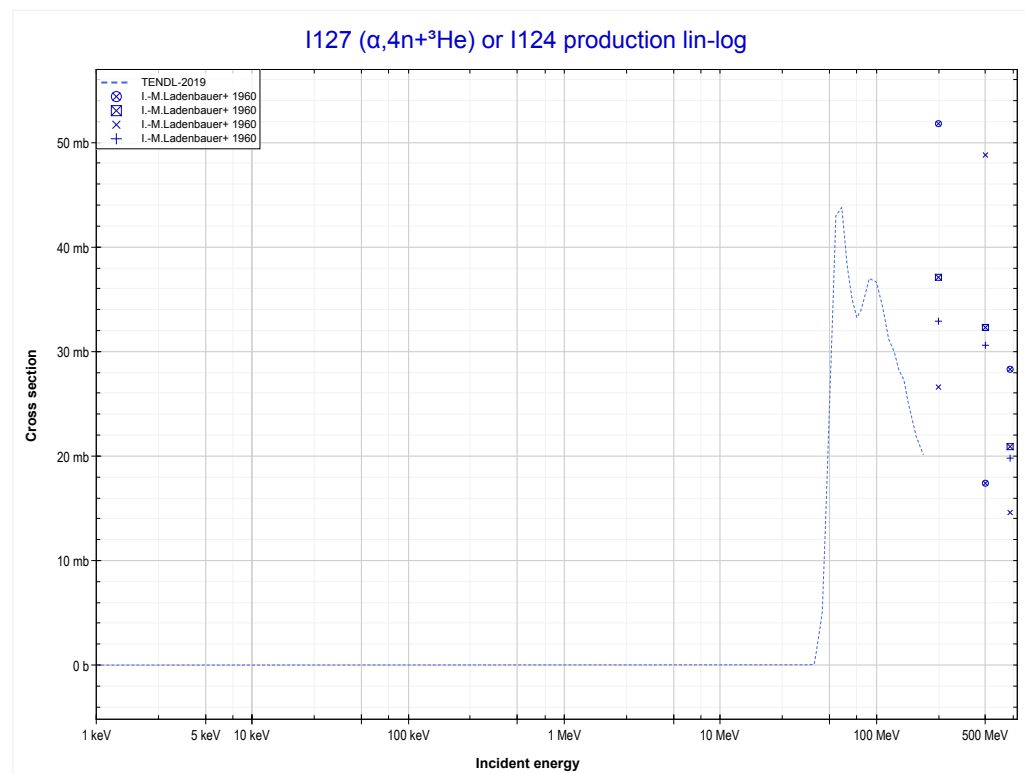
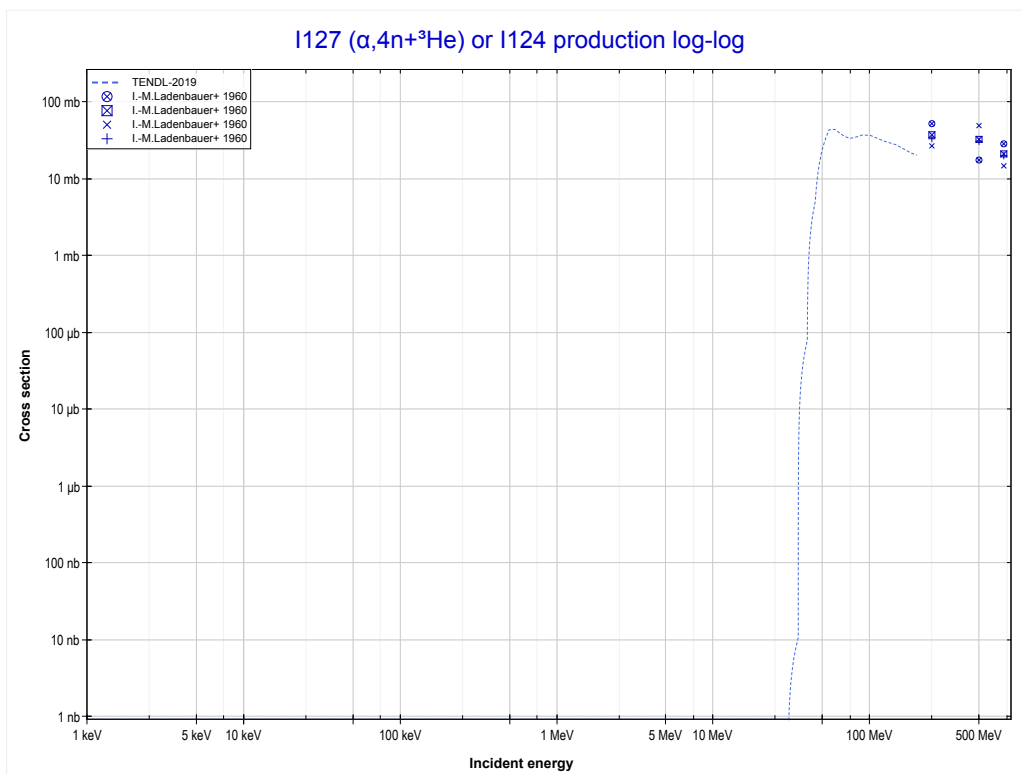
Reaction	Q-Value
I127($\alpha,n+\alpha$)I126	-9144.32 keV
I127($\alpha,d+t$)I126	-26733.62 keV
I127($\alpha,n+p+t$)I126	-28958.18 keV
I127($\alpha,2n+\text{He3}$)I126	-29721.94 keV
I127($\alpha,n+2d$)I126	-32990.84 keV
I127($\alpha,2n+p+d$)I126	-35215.41 keV
I127($\alpha,3n+2p$)I126	-37439.98 keV

<< 47-Ag-107	53-I-127	
<< MT176 ($\alpha,2n+^3\text{He}$)	MT177 ($\alpha,3n+^3\text{He}$) or MT5 (I125 production)	MT178 ($\alpha,4n+^3\text{He}$) >>



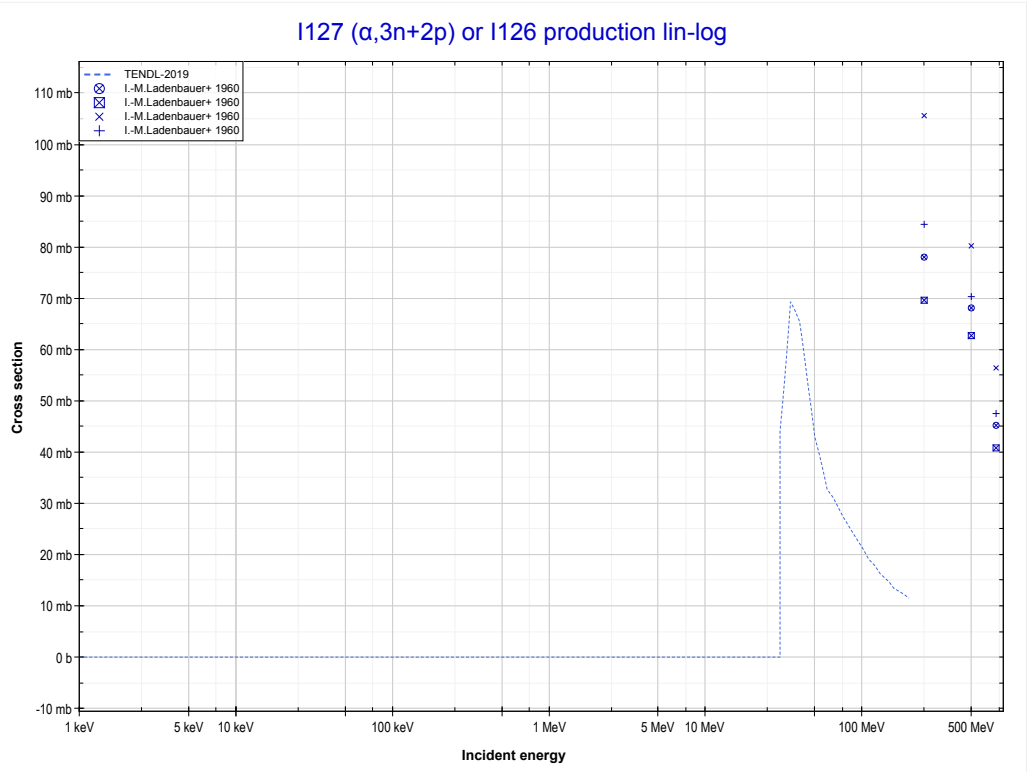
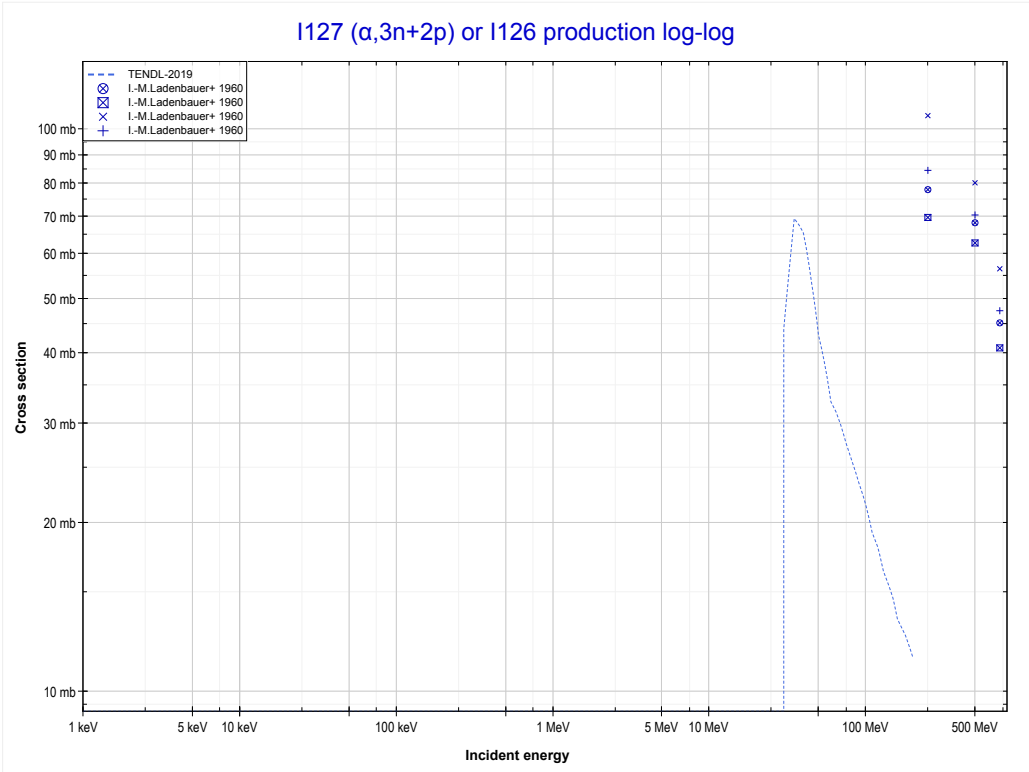
Reaction	Q-Value
I127($\alpha,2n+\alpha$)I125	-16289.43 keV
I127($\alpha,2t$)I125	-27621.50 keV
I127($\alpha,n+d+t$)I125	-33878.73 keV
I127($\alpha,2n+p+t$)I125	-36103.30 keV
I127($\alpha,3n+^3\text{He}$)I125	-36867.05 keV
I127($\alpha,2n+2d$)I125	-40135.96 keV
I127($\alpha,3n+p+d$)I125	-42360.53 keV
I127($\alpha,4n+2p$)I125	-44585.09 keV

<< 47-Ag-107	53-I-127	65-Tb-159 >>
<< MT177 ($\alpha, 3n+^3\text{He}$)	MT178 ($\alpha, 4n+^3\text{He}$) or MT5 (I124 production)	MT179 ($\alpha, 3n+2p$) >>



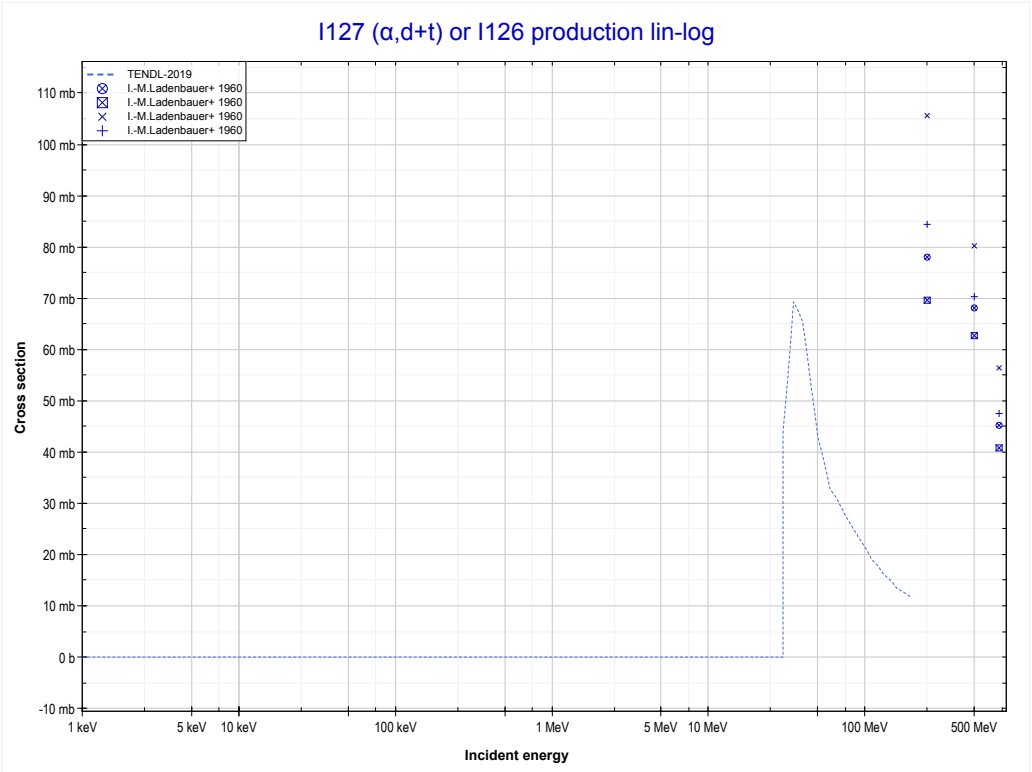
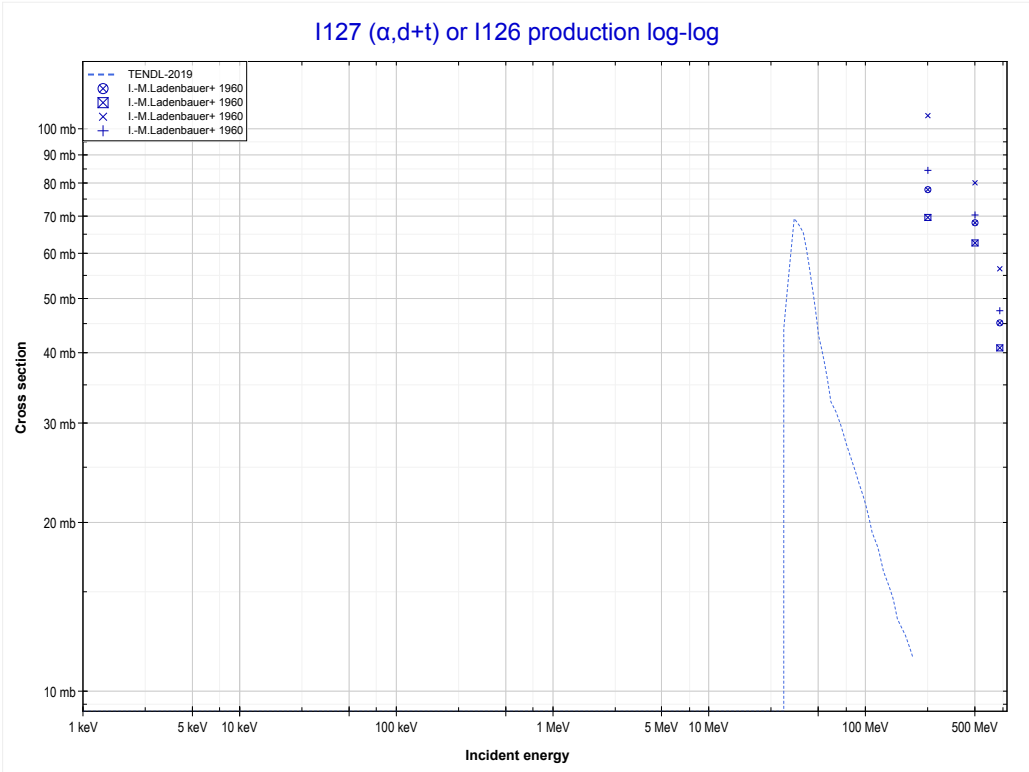
Reaction	Q-Value
I127($\alpha, 3n+\alpha$)I124	-25832.25 keV
I127($\alpha, n+2t$)I124	-37164.32 keV
I127($\alpha, 2n+d+t$)I124	-43421.55 keV
I127($\alpha, 3n+p+t$)I124	-45646.12 keV
I127($\alpha, 4n+\text{He3}$)I124	-46409.87 keV
I127($\alpha, 3n+2d$)I124	-49678.78 keV
I127($\alpha, 4n+p+d$)I124	-51903.35 keV
I127($\alpha, 5n+2p$)I124	-54127.91 keV

<< 48-Cd-116	53-I-127	65-Tb-159 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (I126 production)	MT182 ($\alpha,d+t$) >>



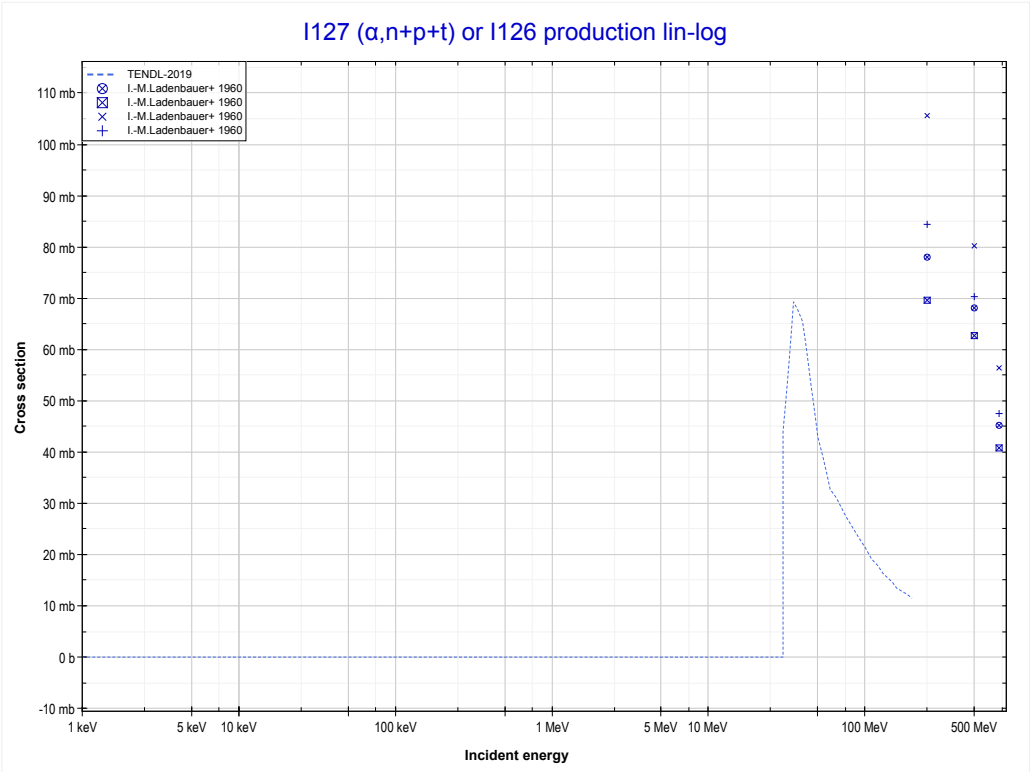
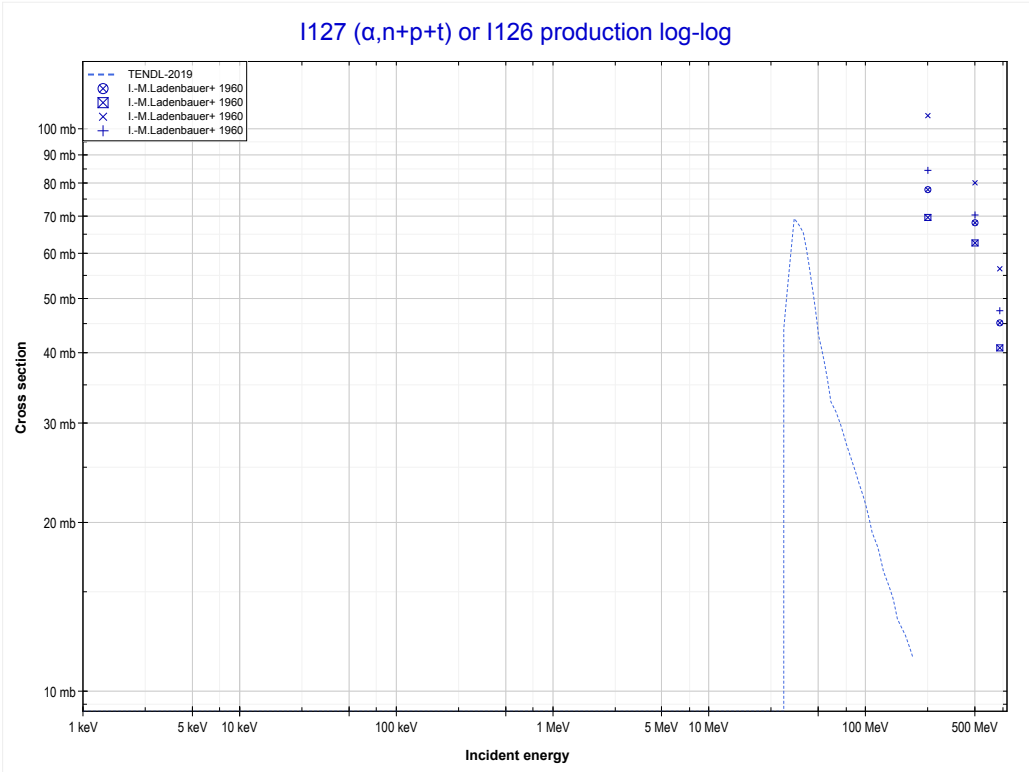
Reaction	Q-Value
I127($\alpha,n+\alpha$)I126	-9144.32 keV
I127($\alpha,d+t$)I126	-26733.62 keV
I127($\alpha,n+p+t$)I126	-28958.18 keV
I127($\alpha,2n+\text{He3}$)I126	-29721.94 keV
I127($\alpha,n+2d$)I126	-32990.84 keV
I127($\alpha,2n+p+d$)I126	-35215.41 keV
I127($\alpha,3n+2p$)I126	-37439.98 keV

<< 45-Rh-103	53-I-127	65-Tb-159 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (I126 production)	MT184 ($\alpha,n+p+t$) >>



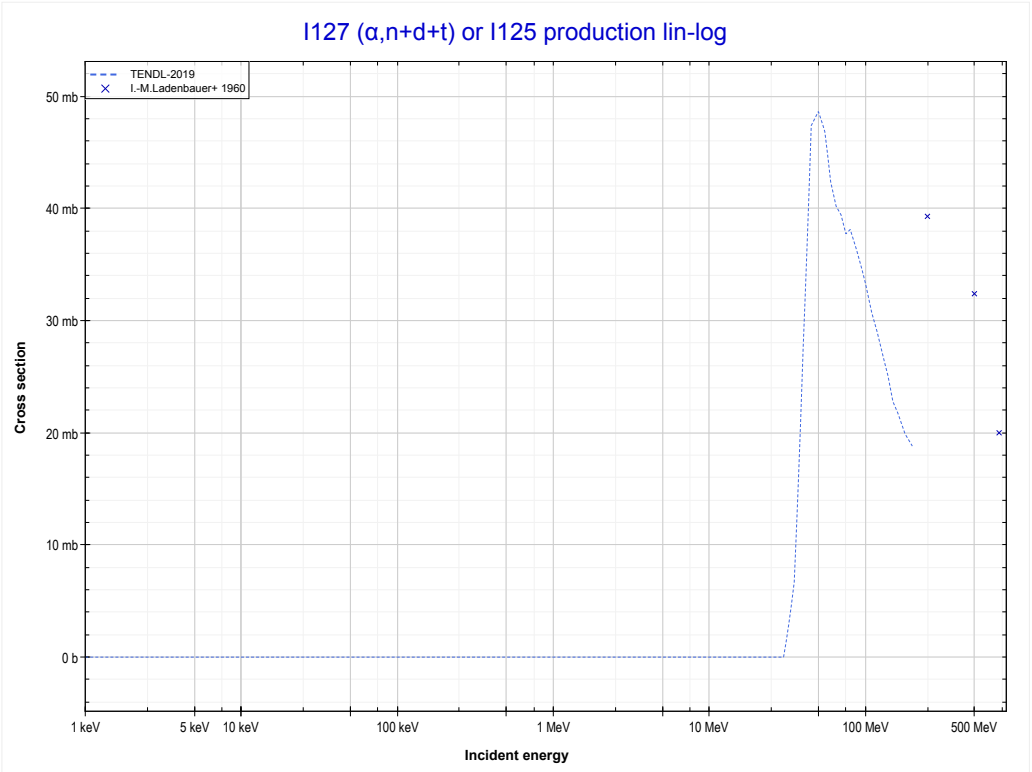
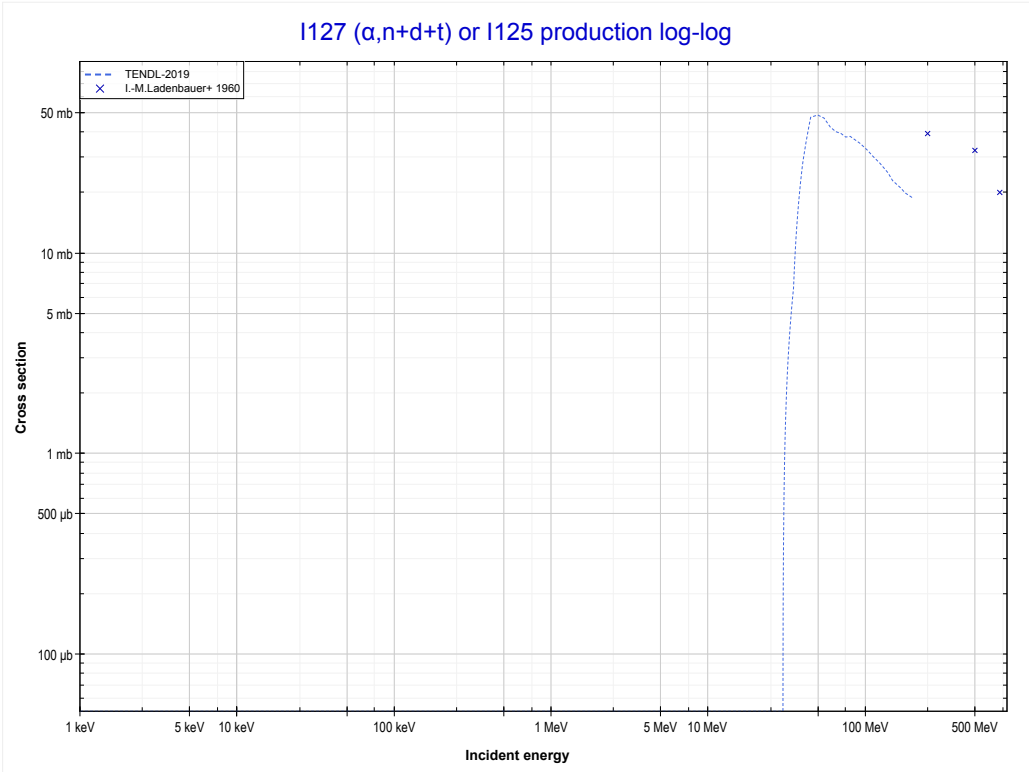
Reaction	Q-Value
I127($\alpha,n+\alpha$)I126	-9144.32 keV
I127($\alpha,d+t$)I126	-26733.62 keV
I127($\alpha,n+p+t$)I126	-28958.18 keV
I127($\alpha,2n+He3$)I126	-29721.94 keV
I127($\alpha,n+2d$)I126	-32990.84 keV
I127($\alpha,2n+p+d$)I126	-35215.41 keV
I127($\alpha,3n+2p$)I126	-37439.98 keV

<< 45-Rh-103	53-I-127	65-Tb-159 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (I126 production)	MT185 (α,n+d+t) >>



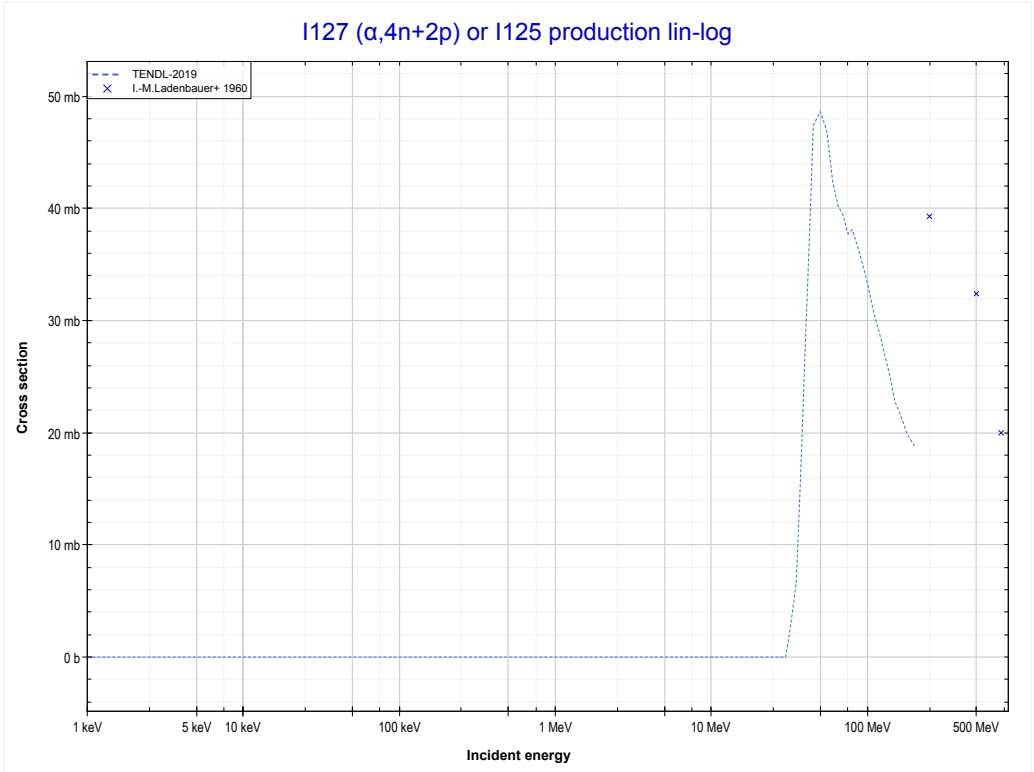
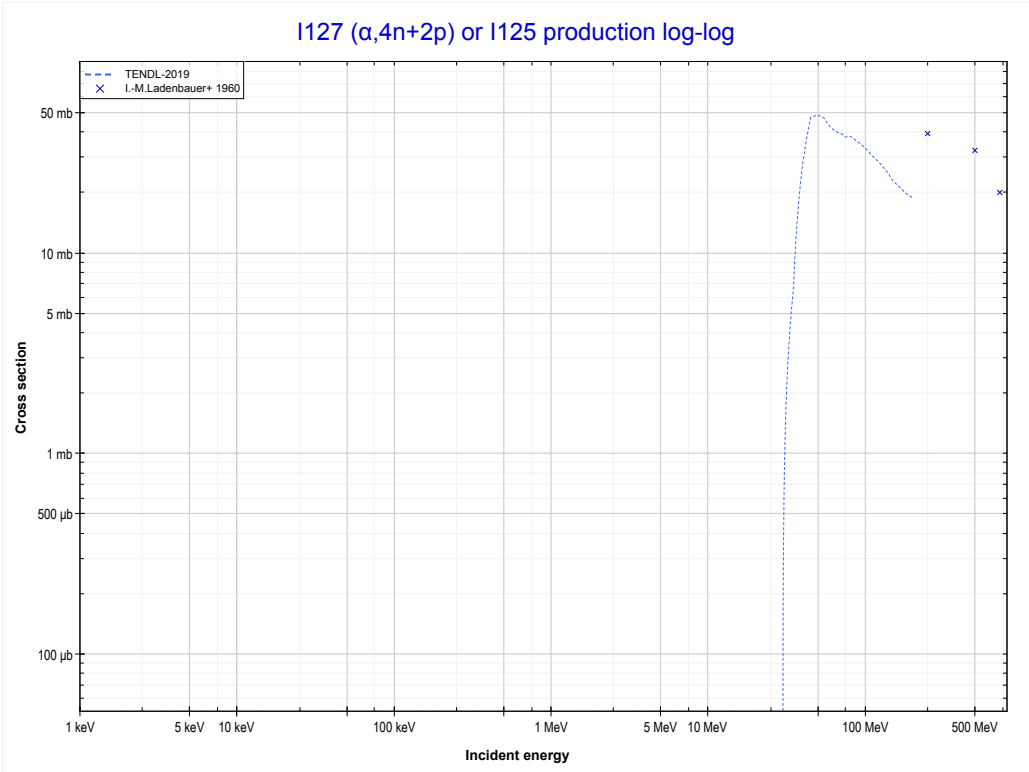
Reaction	Q-Value
I127(α,n+α)I126	-9144.32 keV
I127(α,d+t)I126	-26733.62 keV
I127(α,n+p+t)I126	-28958.18 keV
I127(α,2n+He3)I126	-29721.94 keV
I127(α,n+2d)I126	-32990.84 keV
I127(α,2n+p+d)I126	-35215.41 keV
I127(α,3n+2p)I126	-37439.98 keV

<< 47-Ag-107	53-I-127	
<< MT184 ($\alpha,n+p+t$)	MT185 ($\alpha,n+d+t$) or MT5 (I125 production)	MT194 ($\alpha,4n+2p$) >>



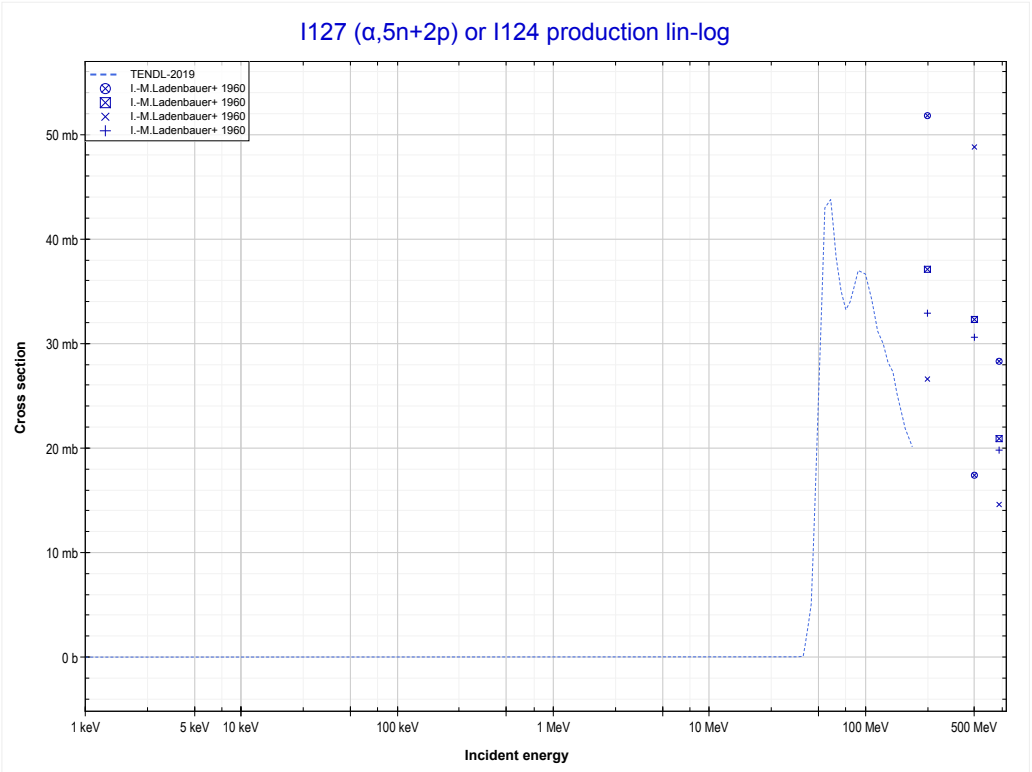
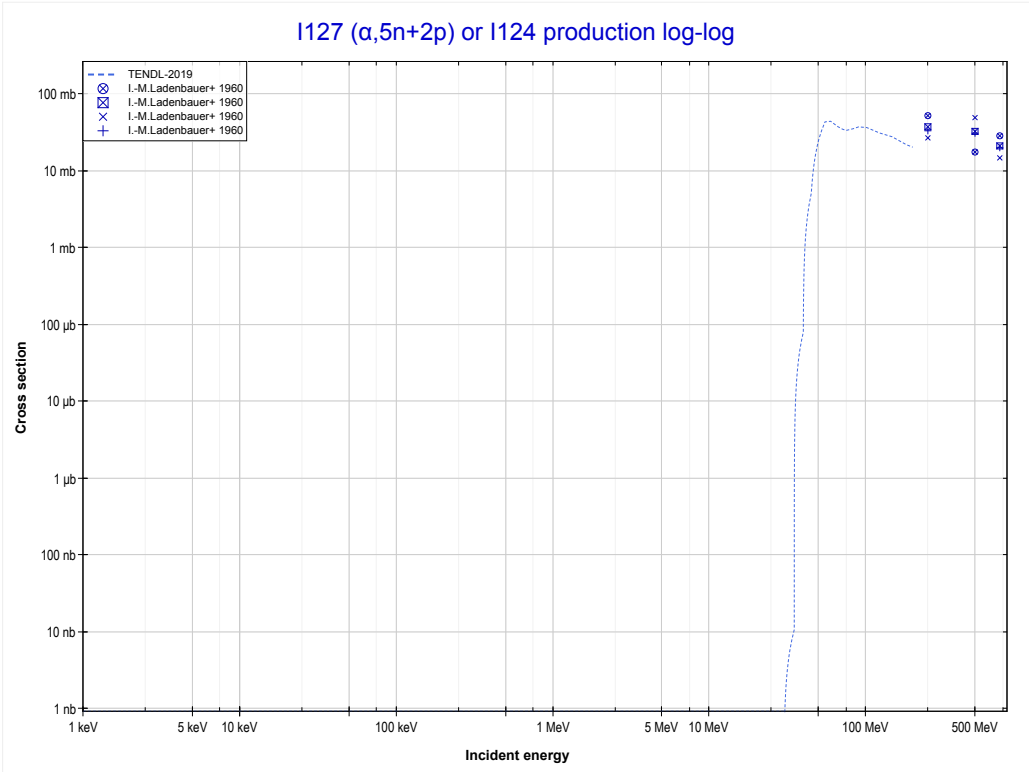
Reaction	Q-Value
I127($\alpha,2n+\alpha$)I125	-16289.43 keV
I127($\alpha,2t$)I125	-27621.50 keV
I127($\alpha,n+d+t$)I125	-33878.73 keV
I127($\alpha,2n+p+t$)I125	-36103.30 keV
I127($\alpha,3n+He3$)I125	-36867.05 keV
I127($\alpha,2n+2d$)I125	-40135.96 keV
I127($\alpha,3n+p+d$)I125	-42360.53 keV
I127($\alpha,4n+2p$)I125	-44585.09 keV

<< 47-Ag-107	53-I-127	
<< MT185 (α ,n+d+t)	MT194 (α ,4n+2p) or MT5 (I125 production)	MT200 (α ,5n+2p) >>



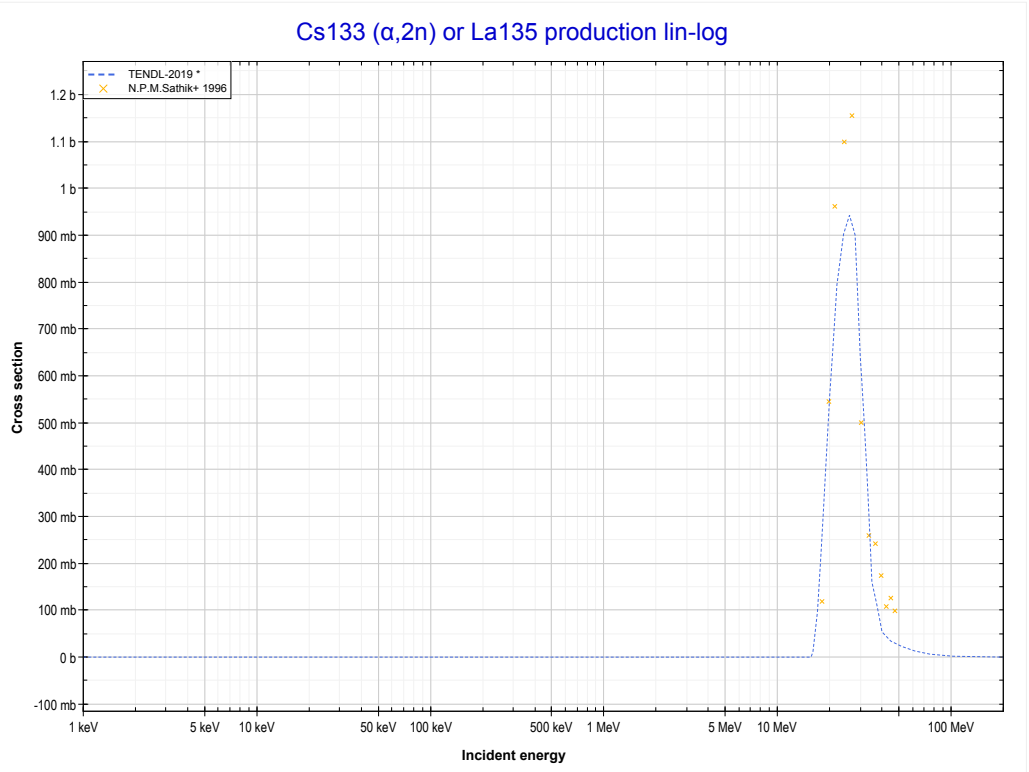
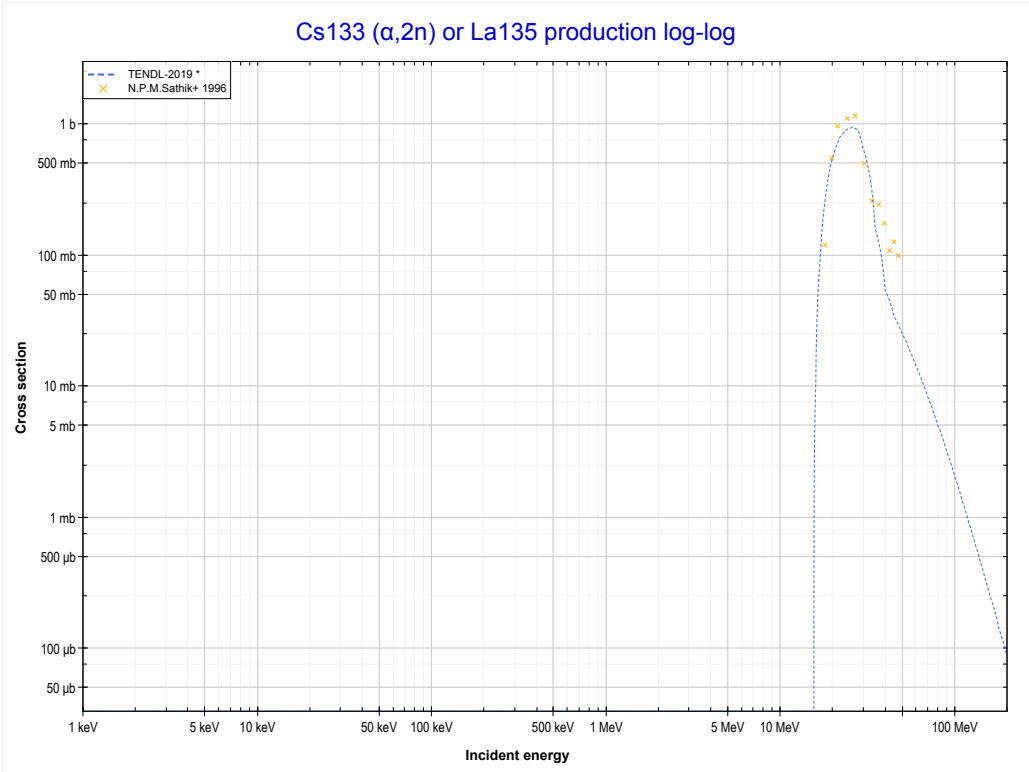
Reaction	Q-Value
I127(α ,2n+ α)I125	-16289.43 keV
I127(α ,2t)I125	-27621.50 keV
I127(α ,n+d+t)I125	-33878.73 keV
I127(α ,2n+p+t)I125	-36103.30 keV
I127(α ,3n+He3)I125	-36867.05 keV
I127(α ,2n+2d)I125	-40135.96 keV
I127(α ,3n+p+d)I125	-42360.53 keV
I127(α ,4n+2p)I125	-44585.09 keV

<< 47-Ag-107	53-I-127	65-Tb-159 >>
<< MT194 ($\alpha,4n+2p$)	MT200 ($\alpha,5n+2p$) or MT5 (I124 production)	55-Cs-133 MT16 ($\alpha,2n$) >>



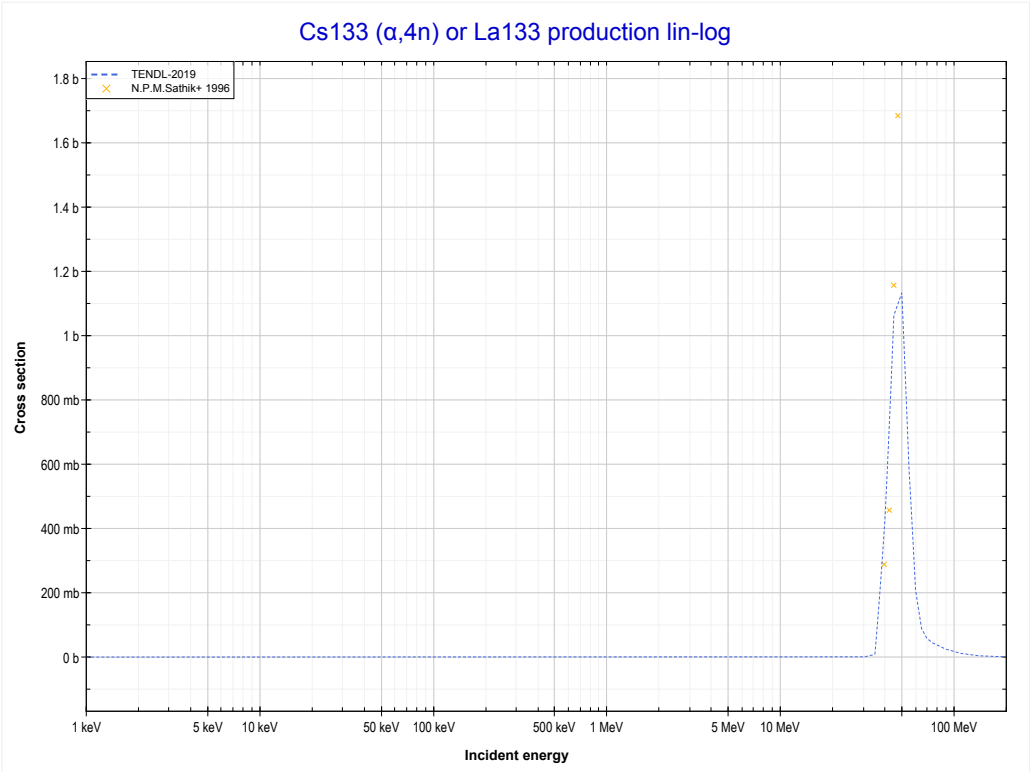
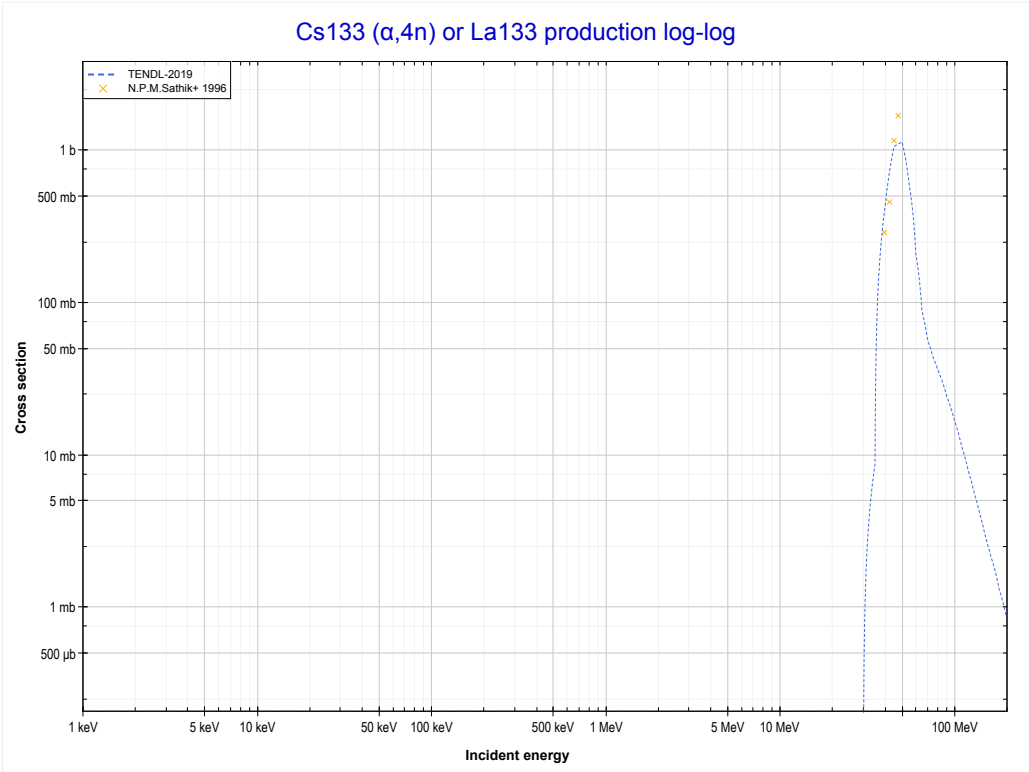
Reaction	Q-Value
I127($\alpha,3n+\alpha$)I124	-25832.25 keV
I127($\alpha,n+2t$)I124	-37164.32 keV
I127($\alpha,2n+d+t$)I124	-43421.55 keV
I127($\alpha,3n+p+t$)I124	-45646.12 keV
I127($\alpha,4n+He3$)I124	-46409.87 keV
I127($\alpha,3n+2d$)I124	-49678.78 keV
I127($\alpha,4n+p+d$)I124	-51903.35 keV
I127($\alpha,5n+2p$)I124	-54127.91 keV

<< 53-I-127	55-Cs-133	56-Ba-135 >>
<< 53-I-127 MT200 ($\alpha,5n+2p$)	MT16 ($\alpha,2n$) or MT5 (La135 production)	MT37 ($\alpha,4n$) >>



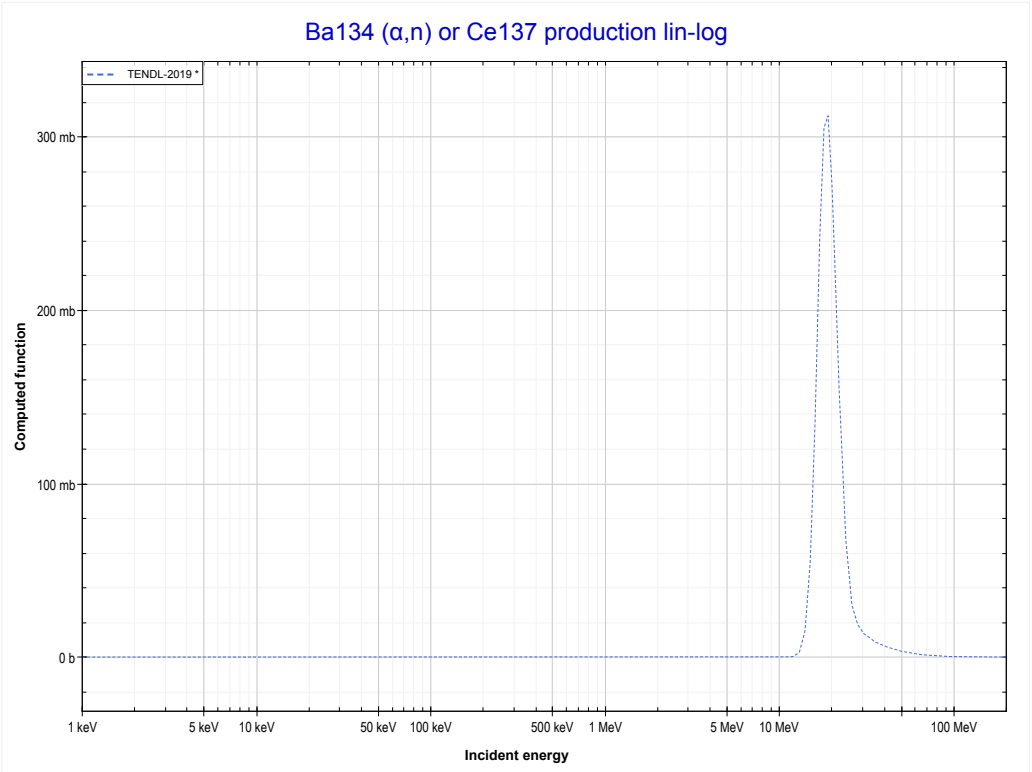
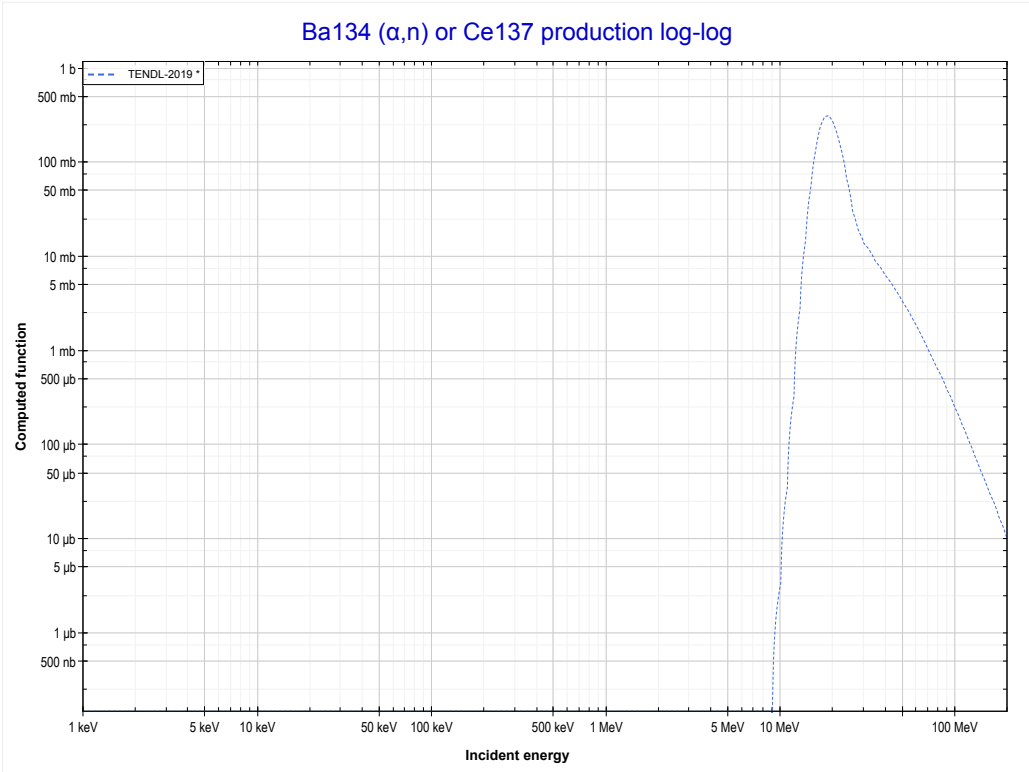
Reaction	Q-Value
Cs133($\alpha,2n$)La135	-15145.65 keV

<< 53-I-127	55-Cs-133	57-La-139 >>
<< MT16 ($\alpha,2n$)	MT37 ($\alpha,4n$) or MT5 (La133 production)	56-Ba-134 MT4 (α,n) >>



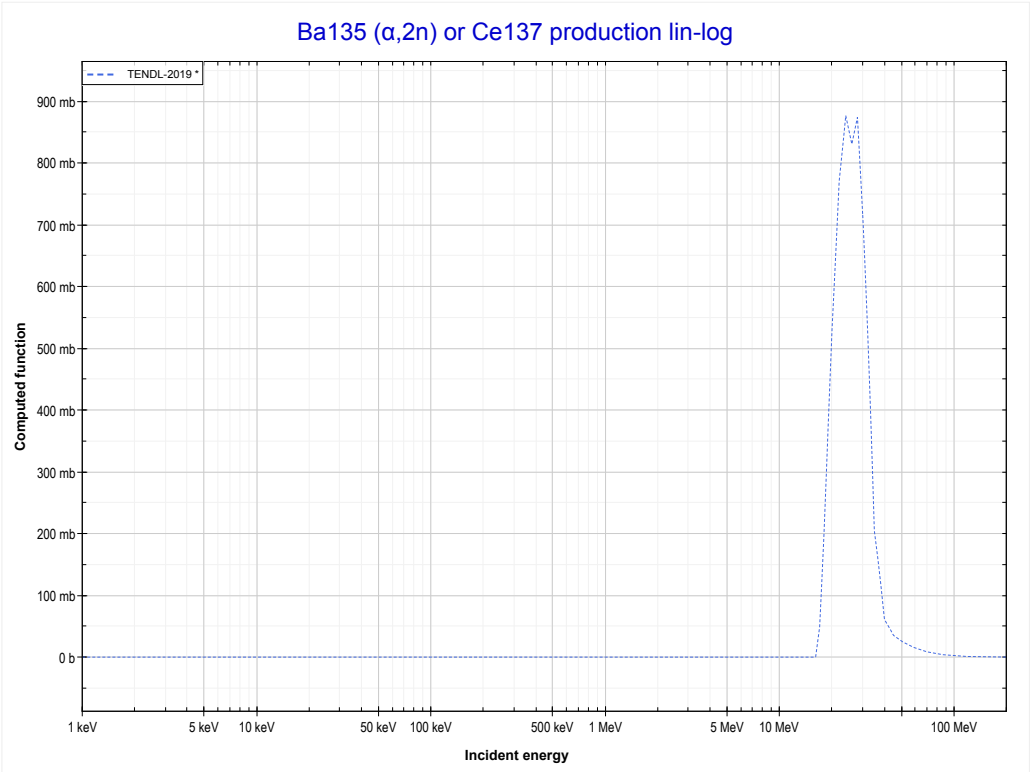
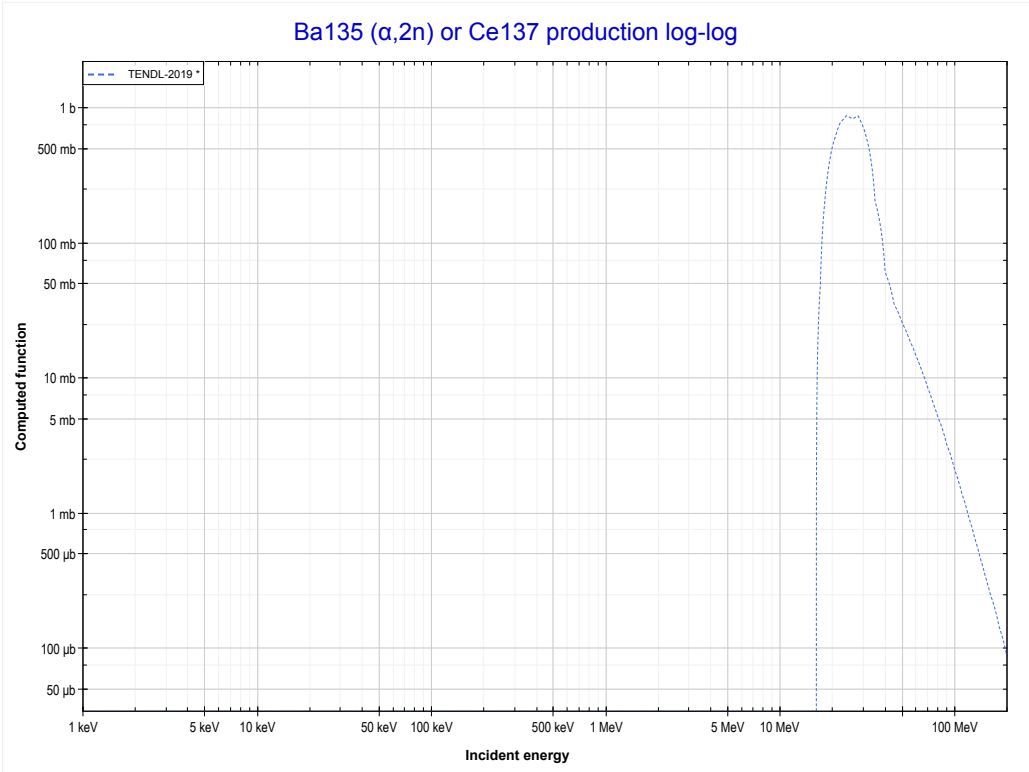
Reaction	Q-Value
Cs133($\alpha,4n$)La133	-32437.28 keV

<< 52-Te-130	56-Ba-134	57-La-139 >>
<< 55-Cs-133 MT37 ($\alpha,4n$)	MT4 (α,n) or MT5 (Ce137 production)	56-Ba-135 MT16 ($\alpha,2n$) >>



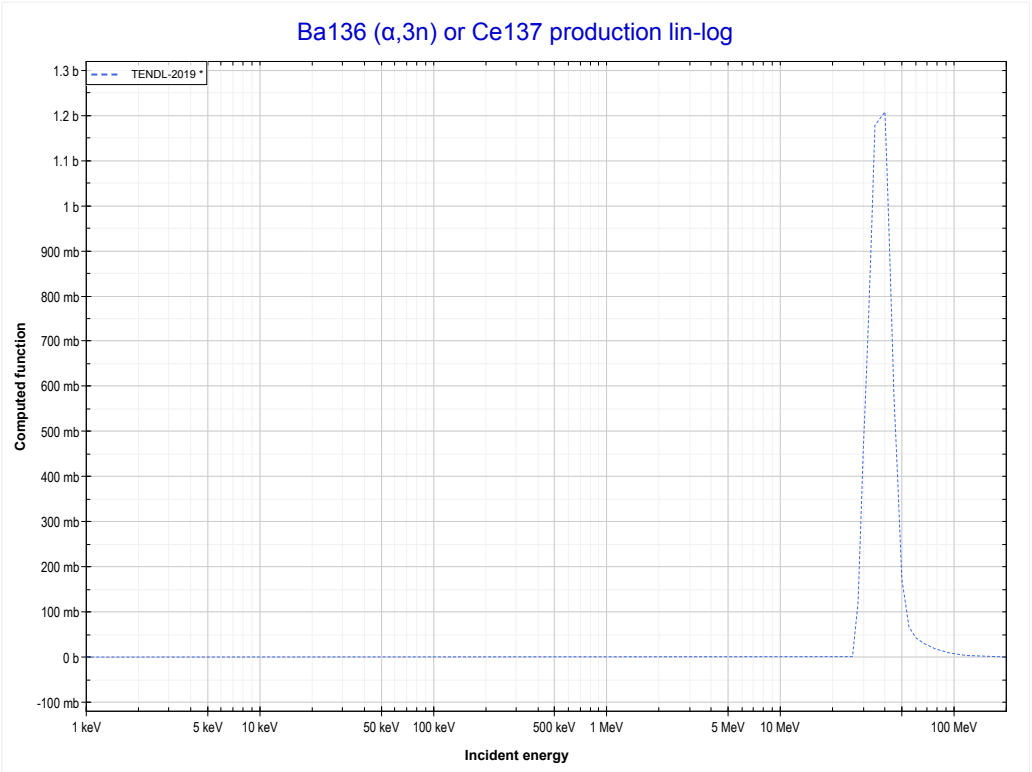
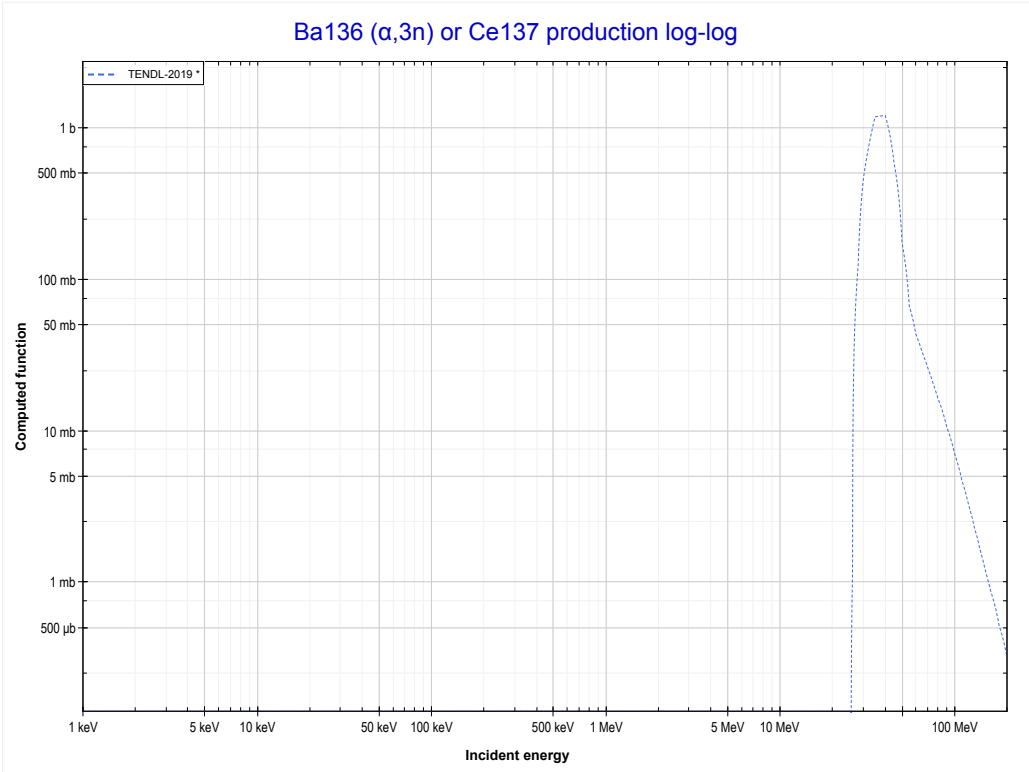
Reaction	Q-Value
Ba134(α,n)Ce137	-8677.70 keV

<< 55-Cs-133	56-Ba-135	59-Pr-141 >>
<< 56-Ba-134 MT4 (α,n)	MT16 ($\alpha,2n$) or MT5 (Ce137 production)	56-Ba-136 MT17 ($\alpha,3n$) >>



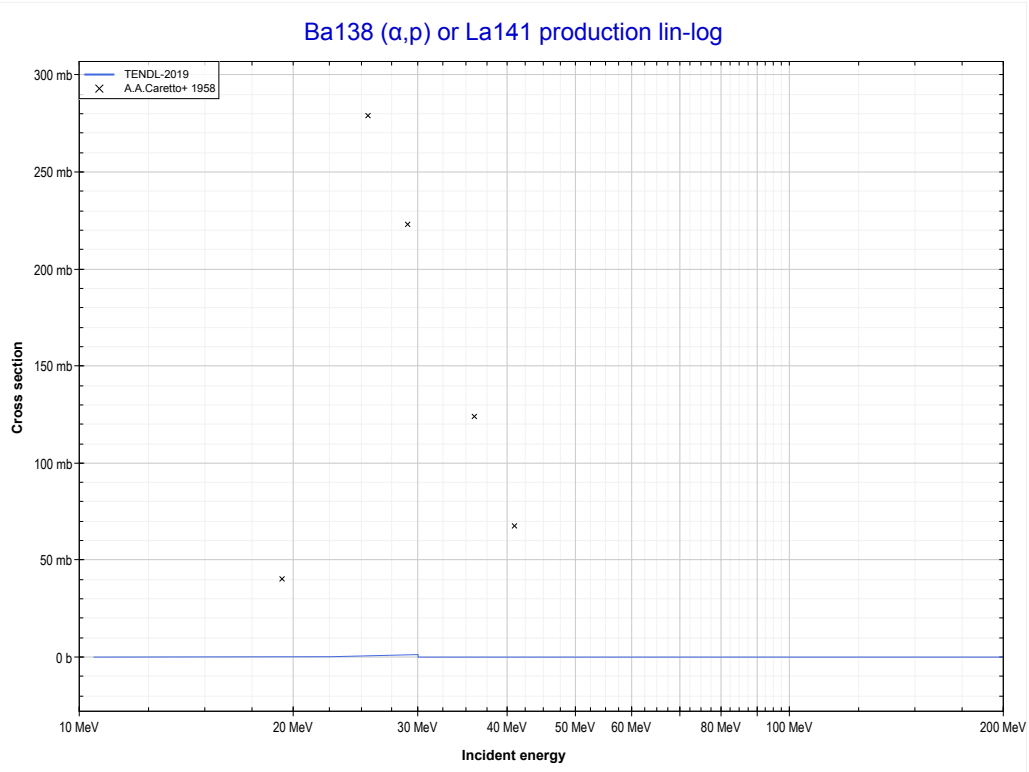
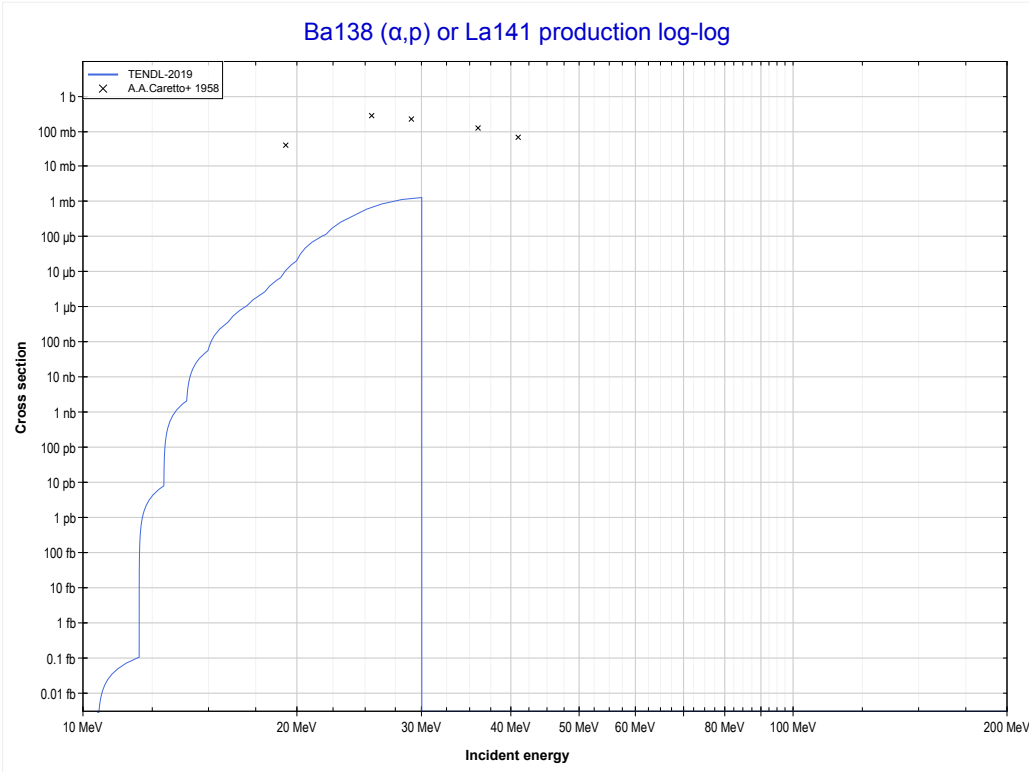
Reaction	Q-Value
Ba135($\alpha,2n$)Ce137	-15649.62 keV

<< 51-Sb-123	56-Ba-136	57-La-139 >>
<< 56-Ba-135 MT16 (α ,2n)	MT17 (α ,3n) or MT5 (Ce137 production)	56-Ba-138 MT103 (α ,p) >>



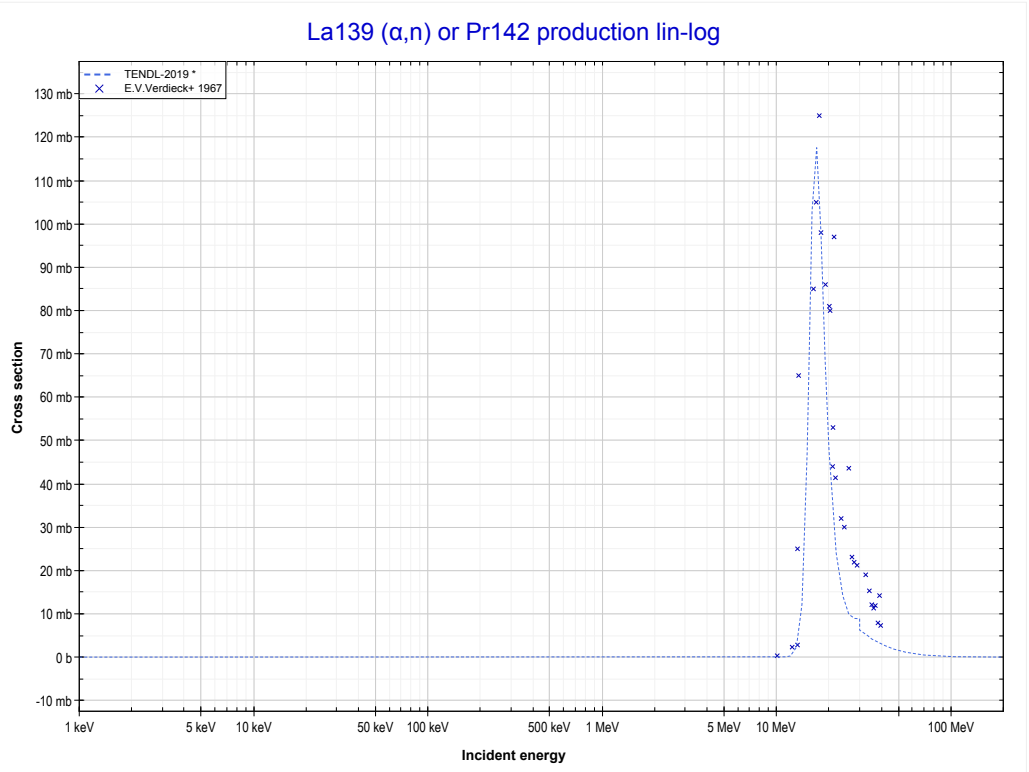
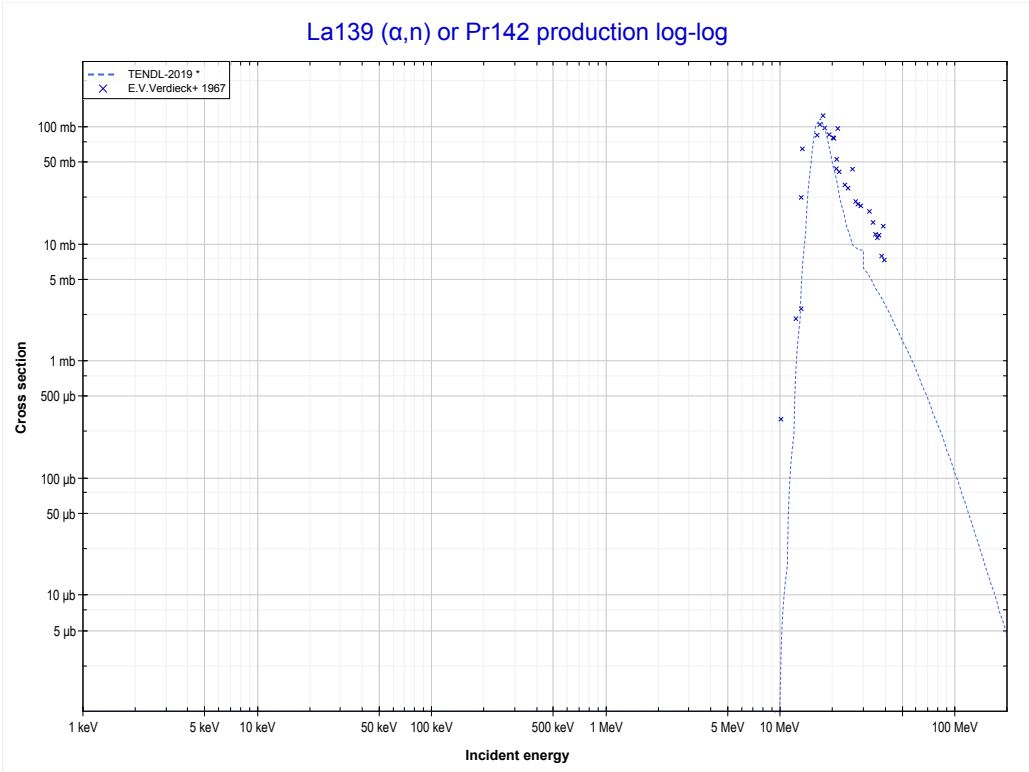
Reaction	Q-Value
Ba136(α ,3n)Ce137	-24757.34 keV

<< 50-Sn-124	56-Ba-138	74-W-186 >>
<< 56-Ba-136 MT17 ($\alpha,3n$)	MT103 (α,p) or MT5 (La141 production)	57-La-139 MT4 (α,n) >>



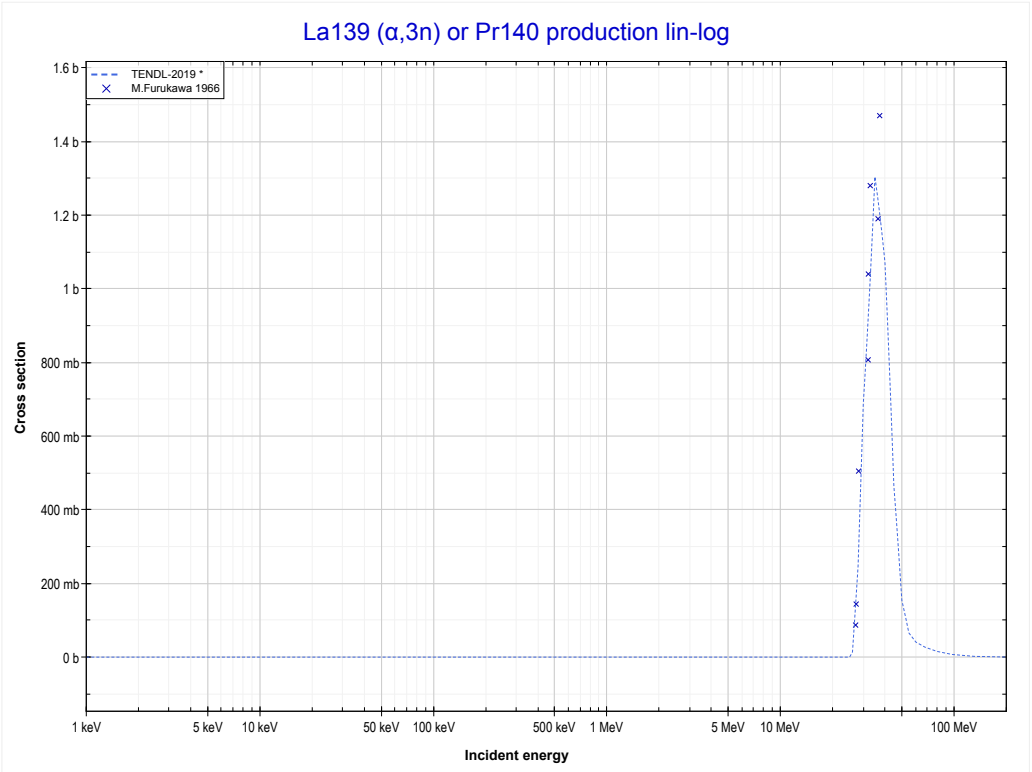
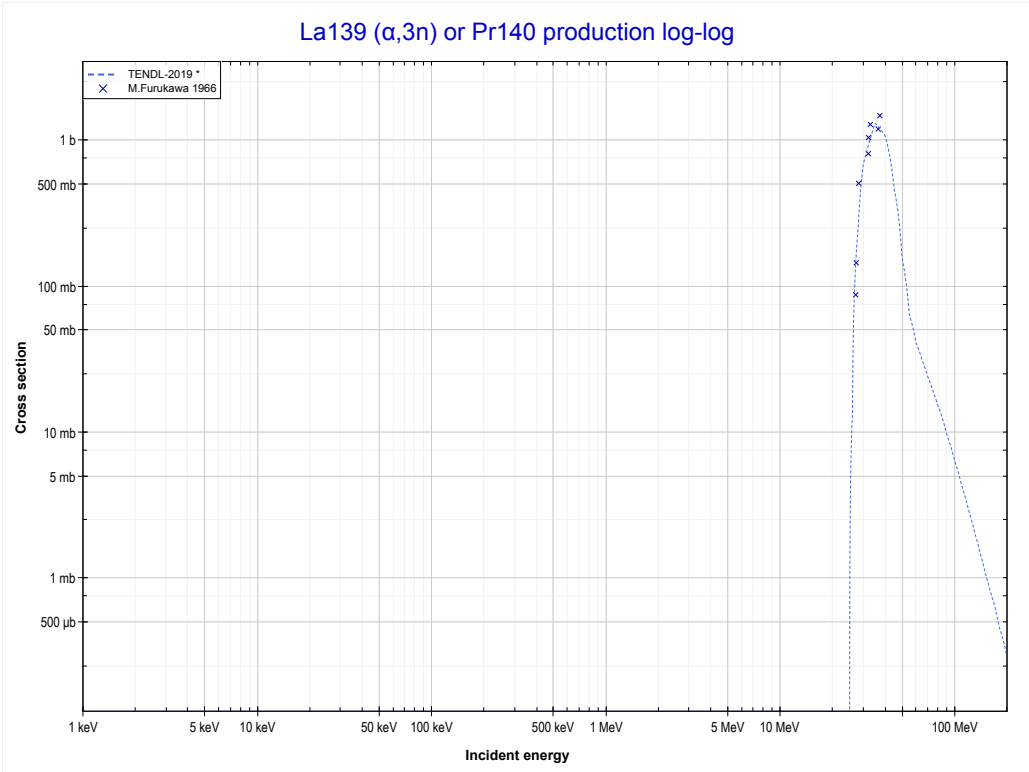
Reaction	Q-Value
Ba138(α,p)La141	-10193.66 keV

<< 56-Ba-134	57-La-139	59-Pr-141 >>
<< 56-Ba-138 MT103 (α,p)	MT4 (α,n) or MT5 (Pr142 production)	MT17 (α,3n) >>



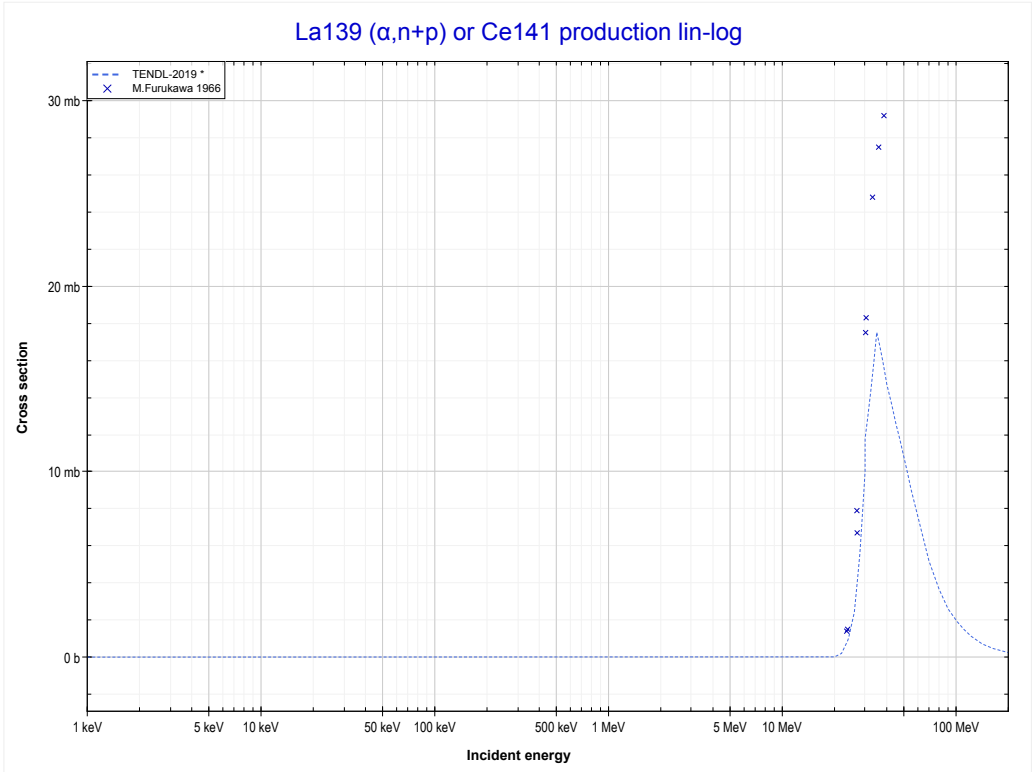
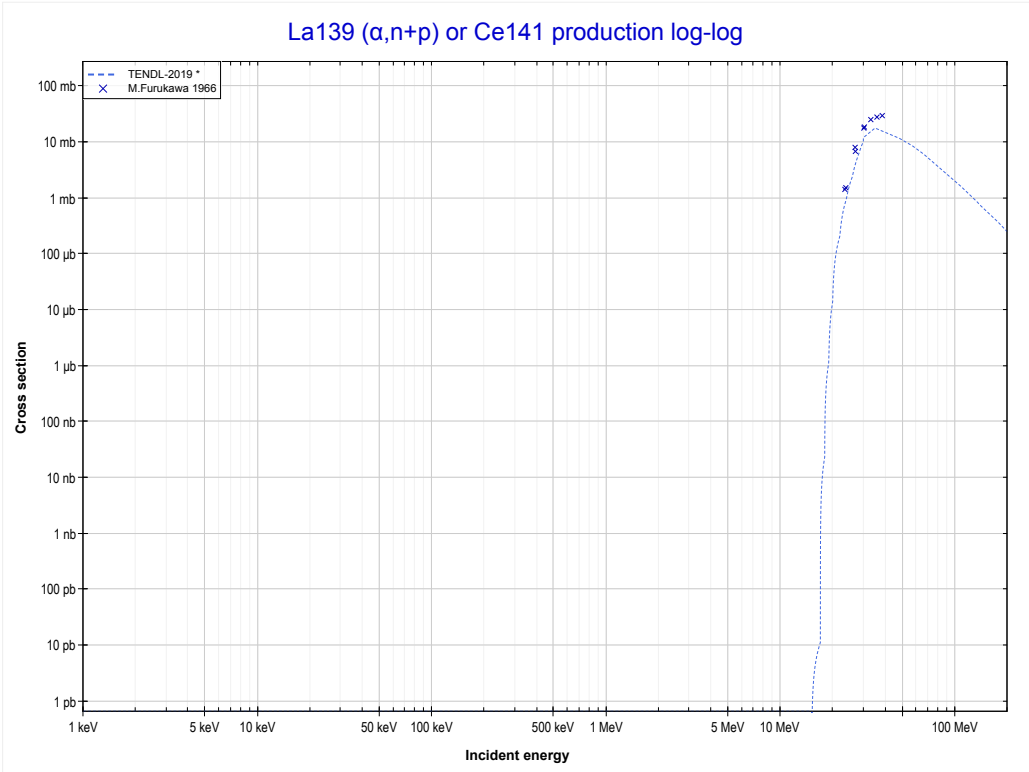
Reaction	Q-Value
La139(α,n)Pr142	-9085.10 keV

<< 56-Ba-136	57-La-139	60-Nd-142 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Pr140 production)	MT28 (α,n+p) >>



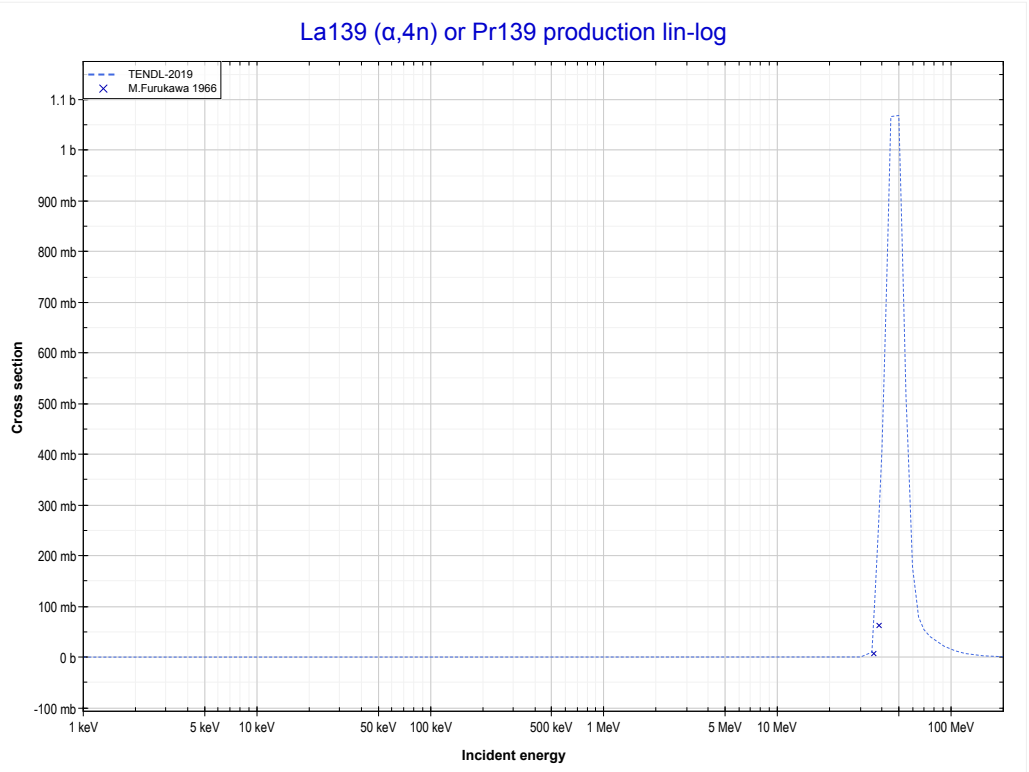
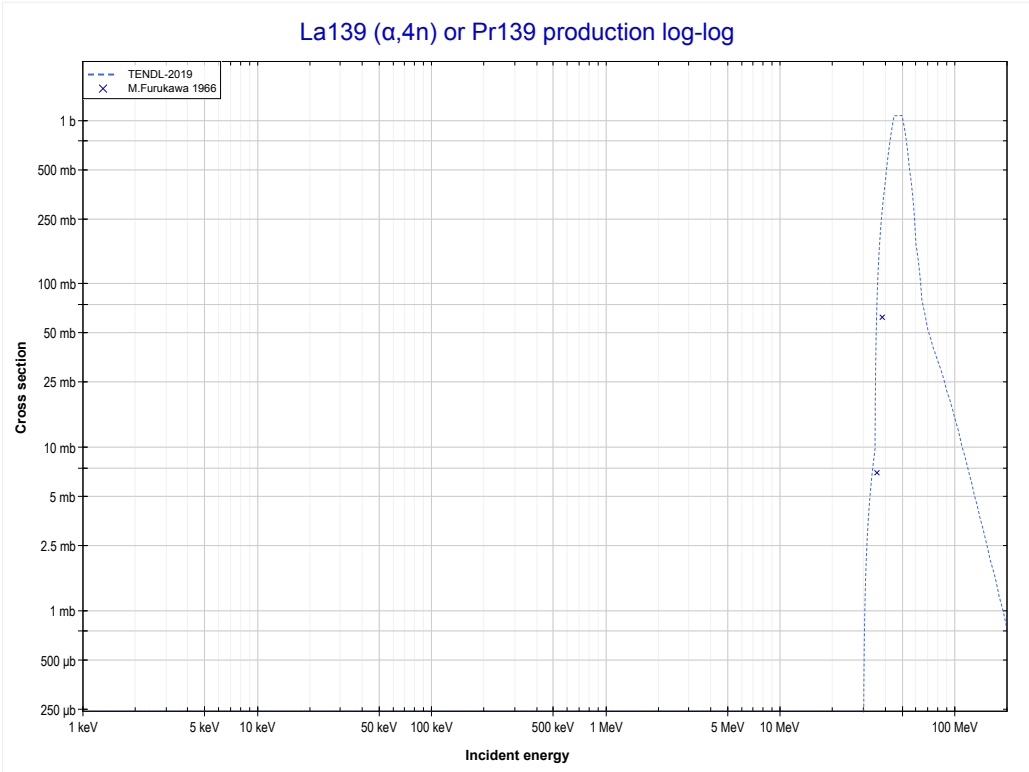
Reaction	Q-Value
La139(α,3n)Pr140	-24327.24 keV

<< 50-Sn-124	57-La-139	68-Er-166 >>
<< MT17 (α,3n)	MT28 (α,n+p) or MT5 (Ce141 production)	MT37 (α,4n) >>



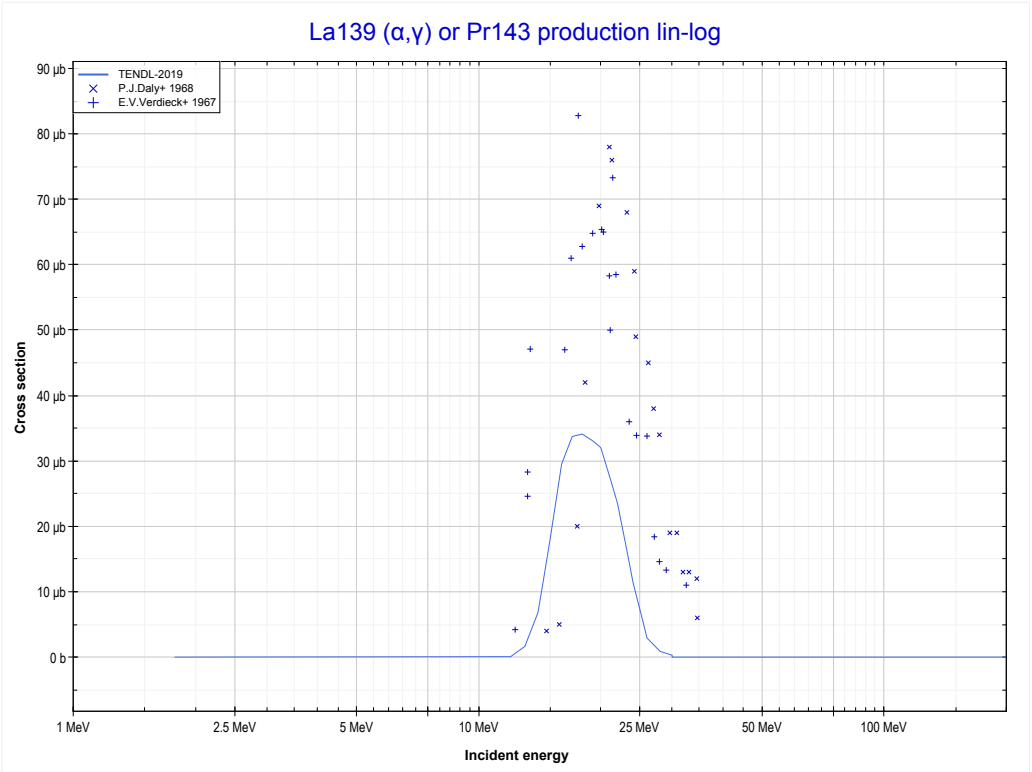
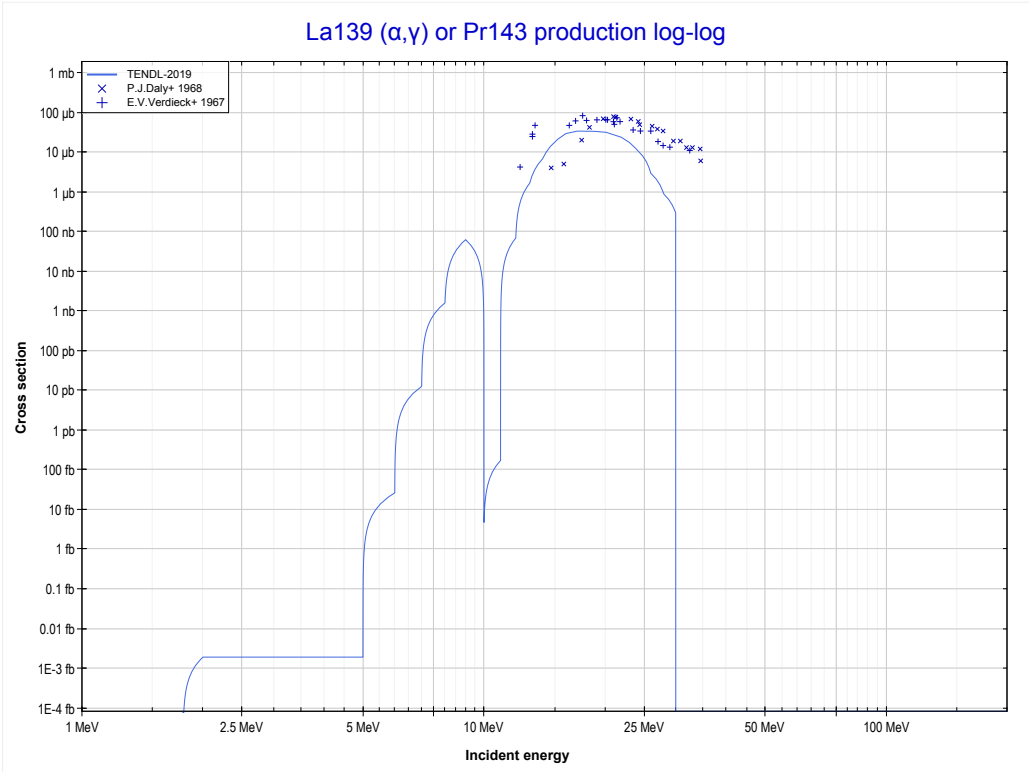
Reaction	Q-Value
La139(α,d)Ce141	-12504.11 keV
La139(α,n+p)Ce141	-14728.67 keV

<< 55-Cs-133	57-La-139	60-Nd-142 >>
<< MT28 (α,n+p)	MT37 (α,4n) or MT5 (Pr139 production)	MT102 (α,γ) >>



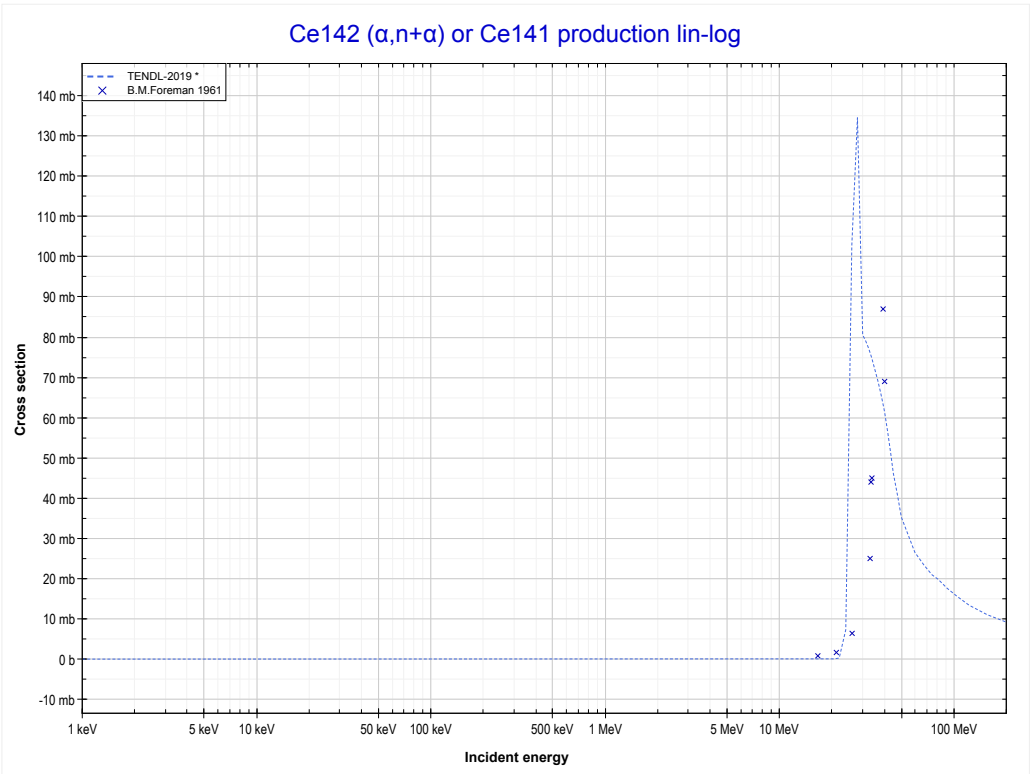
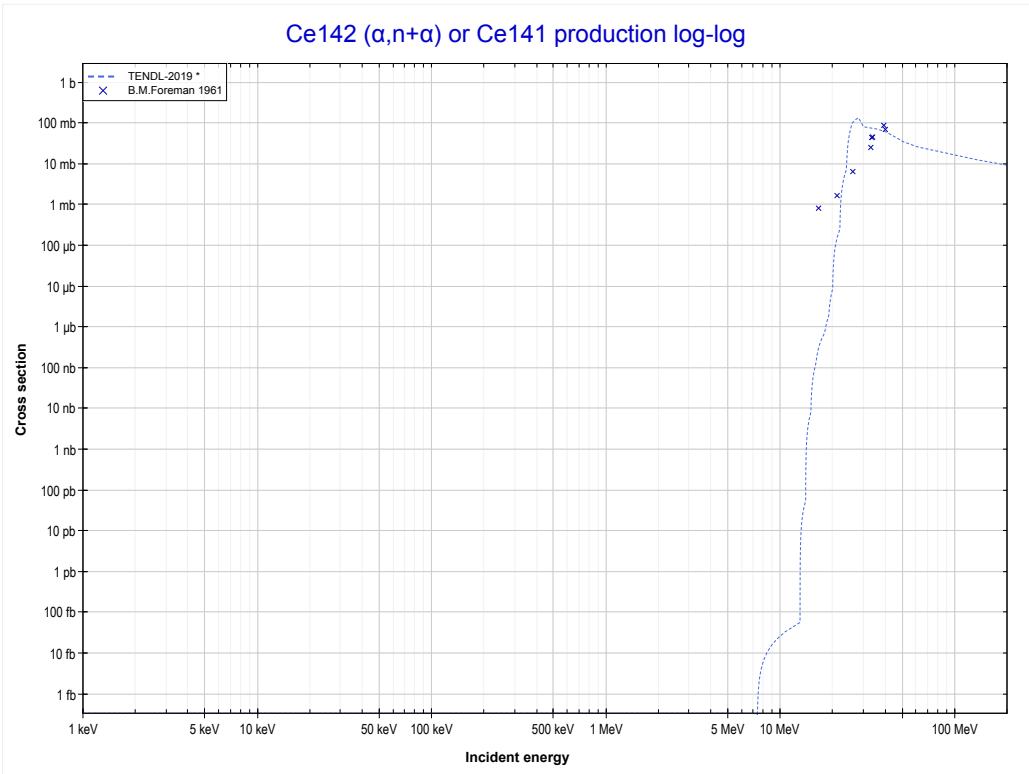
Reaction	Q-Value
La139(α,4n)Pr139	-32267.55 keV

<< 53-I-127	57-La-139	62-Sm-144 >>
<< MT37 ($\alpha,4n$)	MT102 (α,γ) or MT5 (Pr143 production)	58-Ce-142 MT22 ($\alpha,n+\alpha$) >>



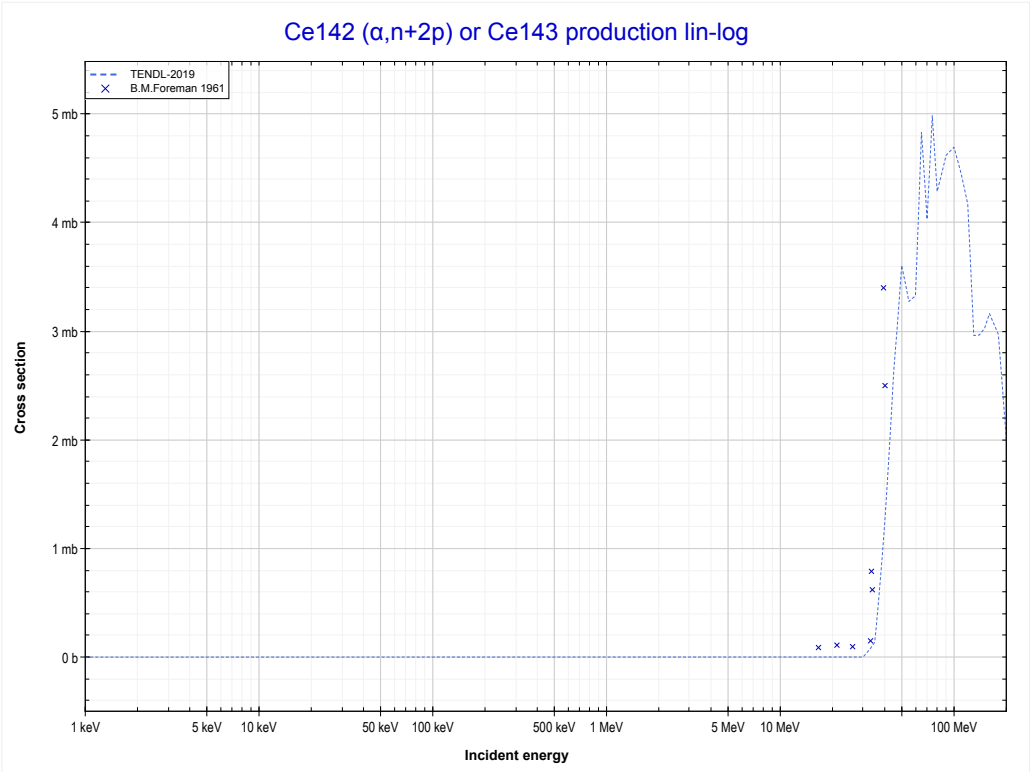
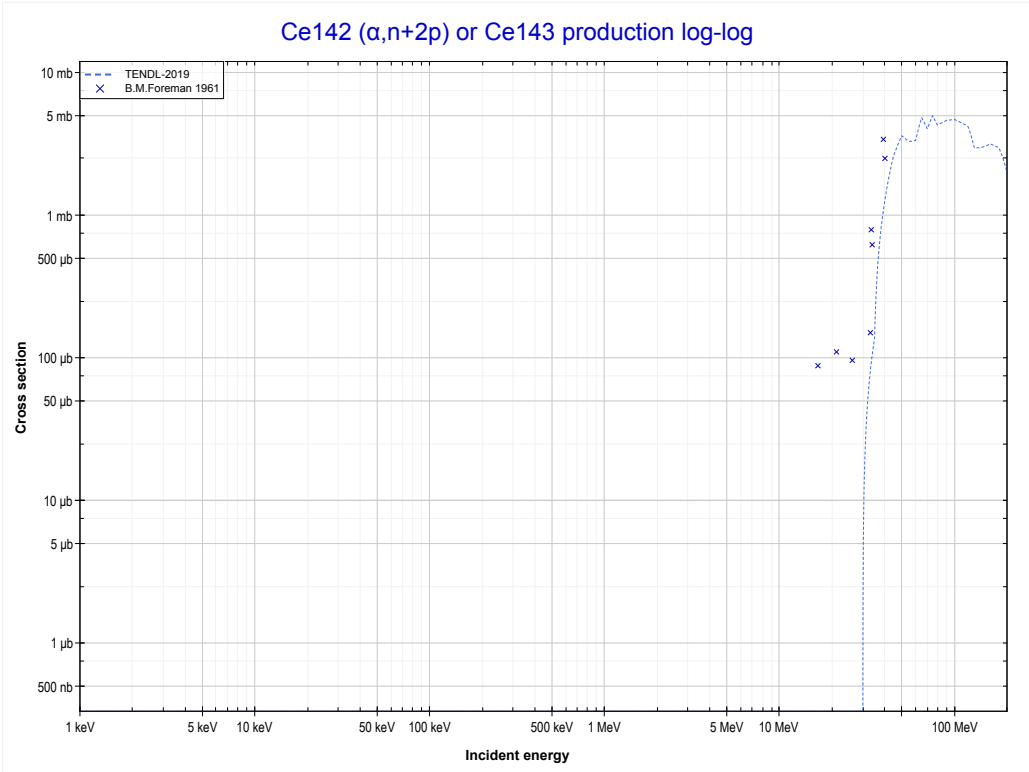
Reaction	Q-Value
La139(α,γ)Pr143	-1733.08 keV

<< 53-I-127	58-Ce-142	60-Nd-142 >>
<< 57-La-139 MT102 (α,γ)	MT22 (α,n+α) or MT5 (Ce141 production)	MT44 (α,n+2p) >>



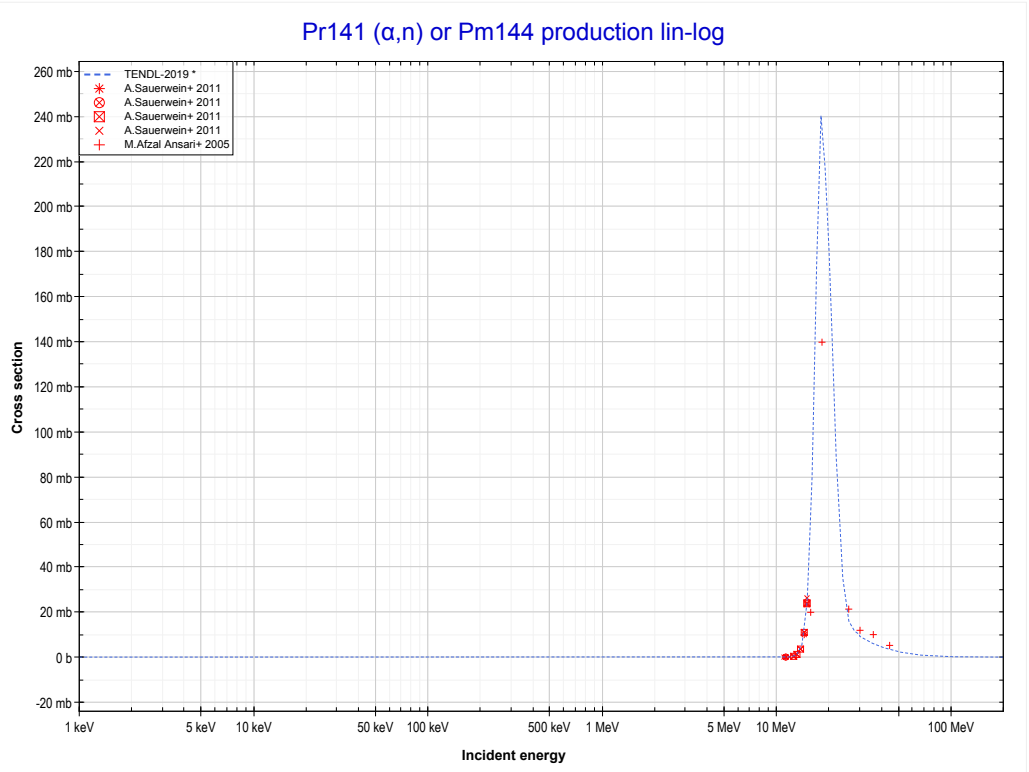
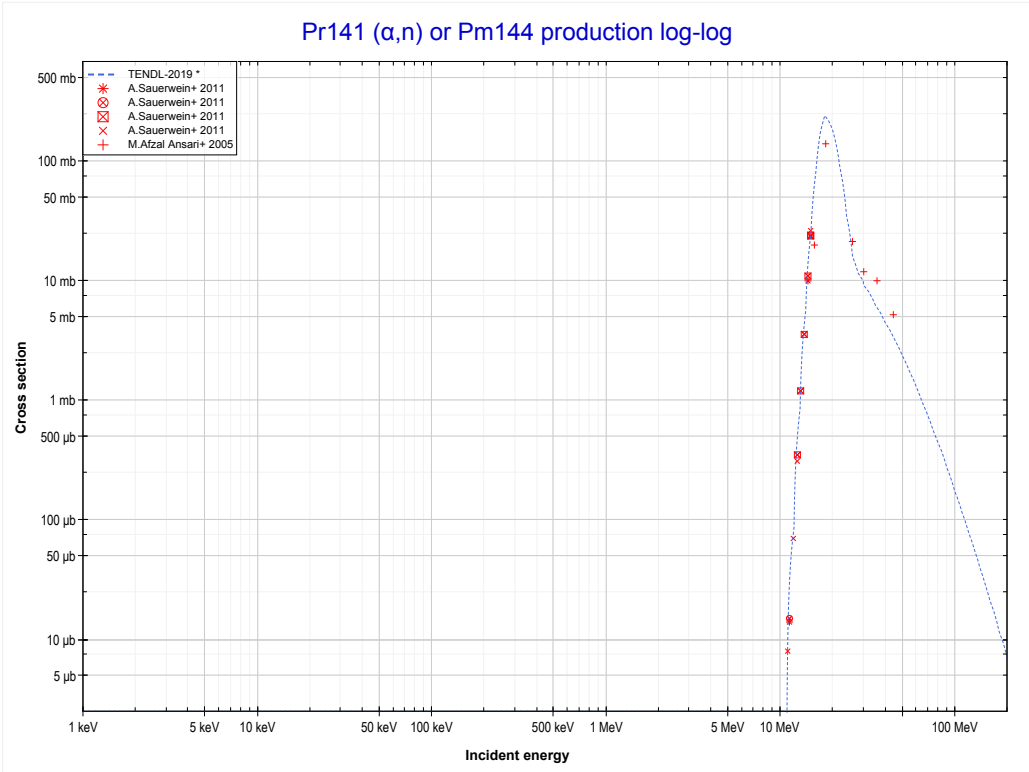
Reaction	Q-Value
Ce142(α,n+α)Ce141	-7171.62 keV
Ce142(α,d+t)Ce141	-24760.92 keV
Ce142(α,n+p+t)Ce141	-26985.48 keV
Ce142(α,2n+He3)Ce141	-27749.24 keV
Ce142(α,n+2d)Ce141	-31018.14 keV
Ce142(α,2n+p+d)Ce141	-33242.71 keV
Ce142(α,3n+2p)Ce141	-35467.28 keV

<< 50-Sn-124	58-Ce-142	65-Tb-159 >>
<< MT22 ($\alpha,n+\alpha$)	MT44 ($\alpha,n+2p$) or MT5 (Ce143 production)	59-Pr-141 MT4 (α,n) >>



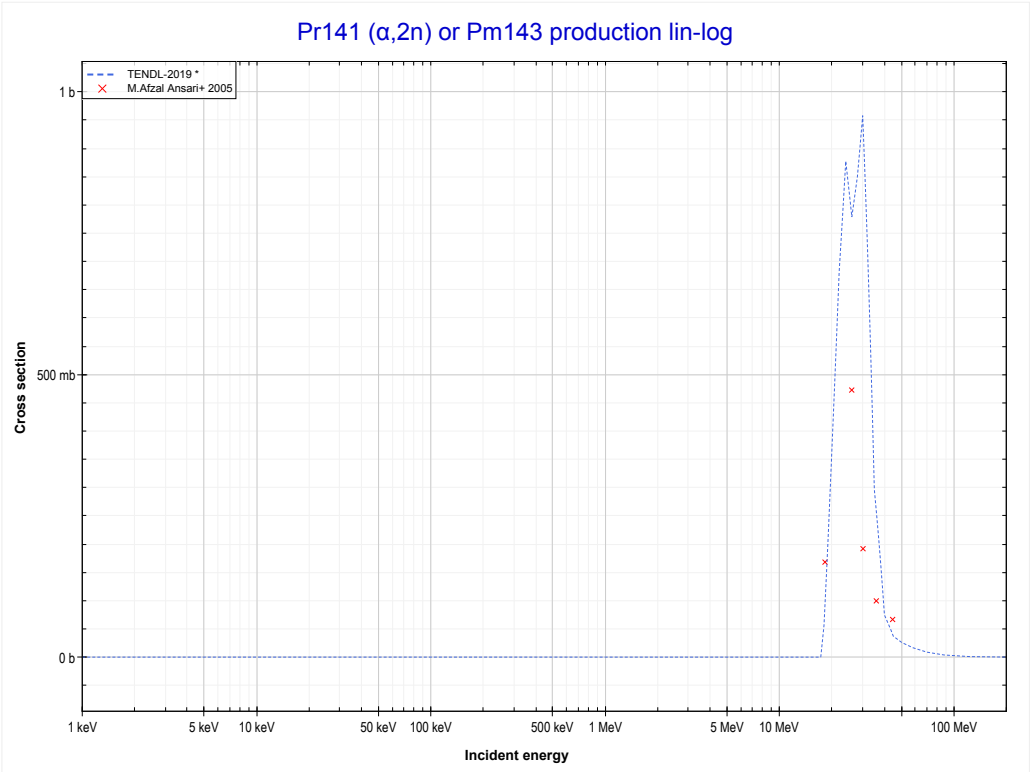
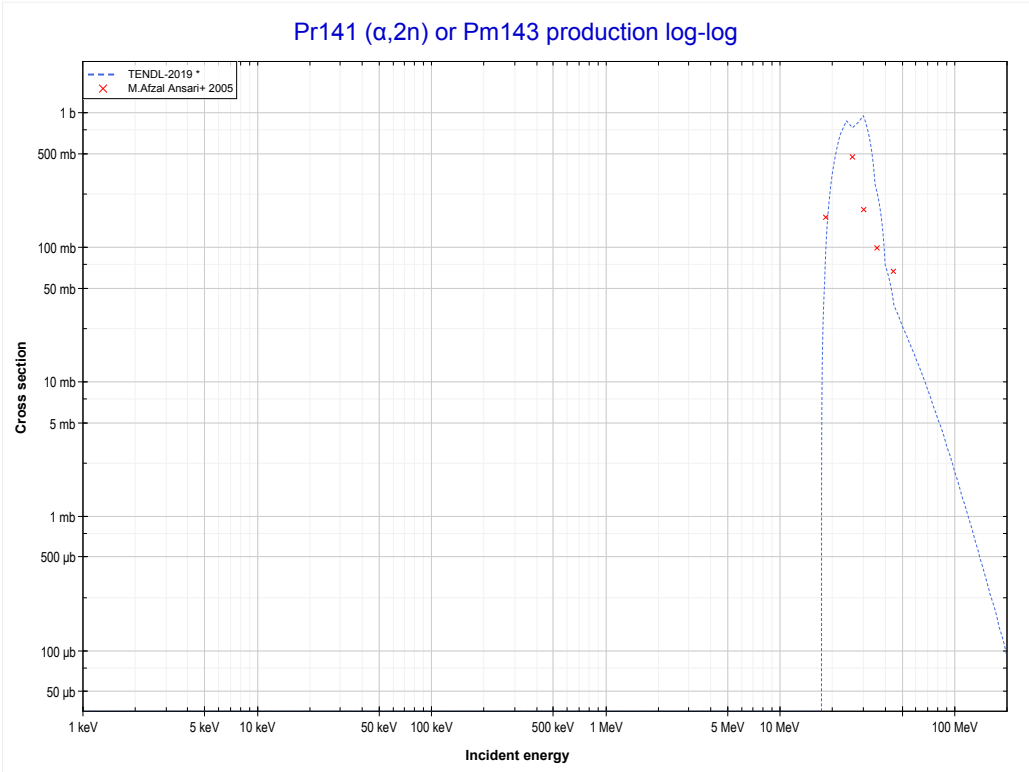
Reaction	Q-Value
Ce142(α ,He3)Ce143	-15432.80 keV
Ce142(α ,p+d)Ce143	-20926.28 keV
Ce142(α ,n+2p)Ce143	-23150.84 keV

<< 57-La-139	59-Pr-141	60-Nd-150 >>
<< 58-Ce-142 MT44 (α,n+2p)	MT4 (α,n) or MT5 (Pm144 production)	MT16 (α,2n) >>



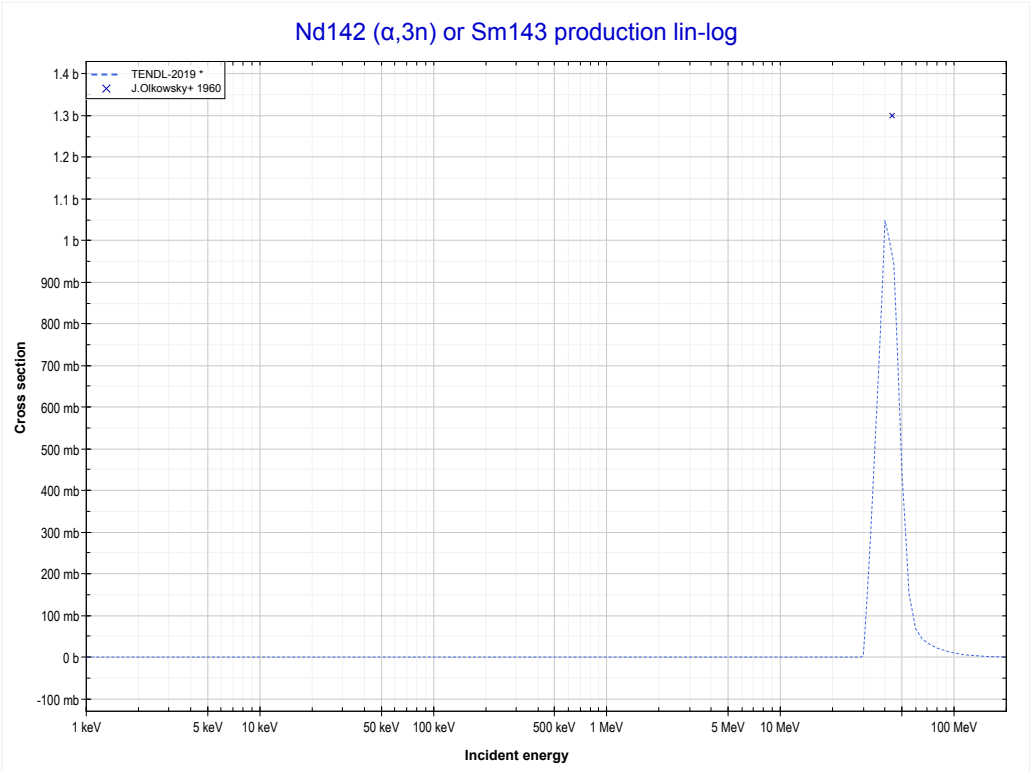
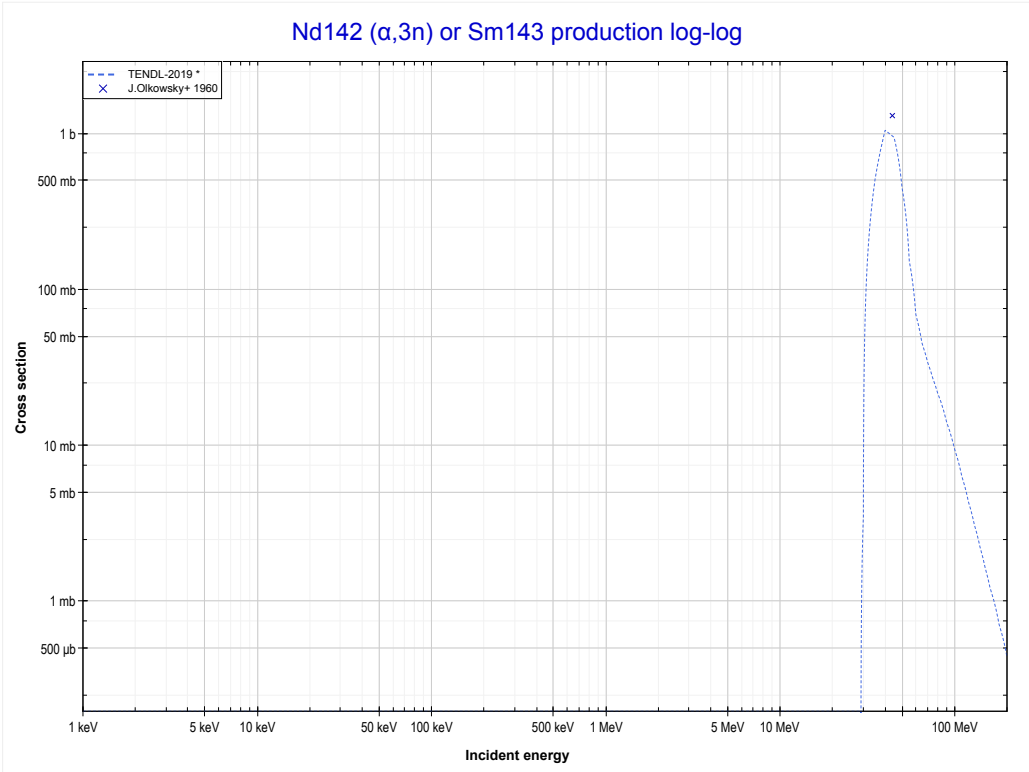
Reaction	Q-Value
Pr141(α,n)Pm144	-10245.90 keV

<< 56-Ba-135	59-Pr-141	62-Sm-144 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Pm143 production)	60-Nd-142 MT17 (α,3n) >>



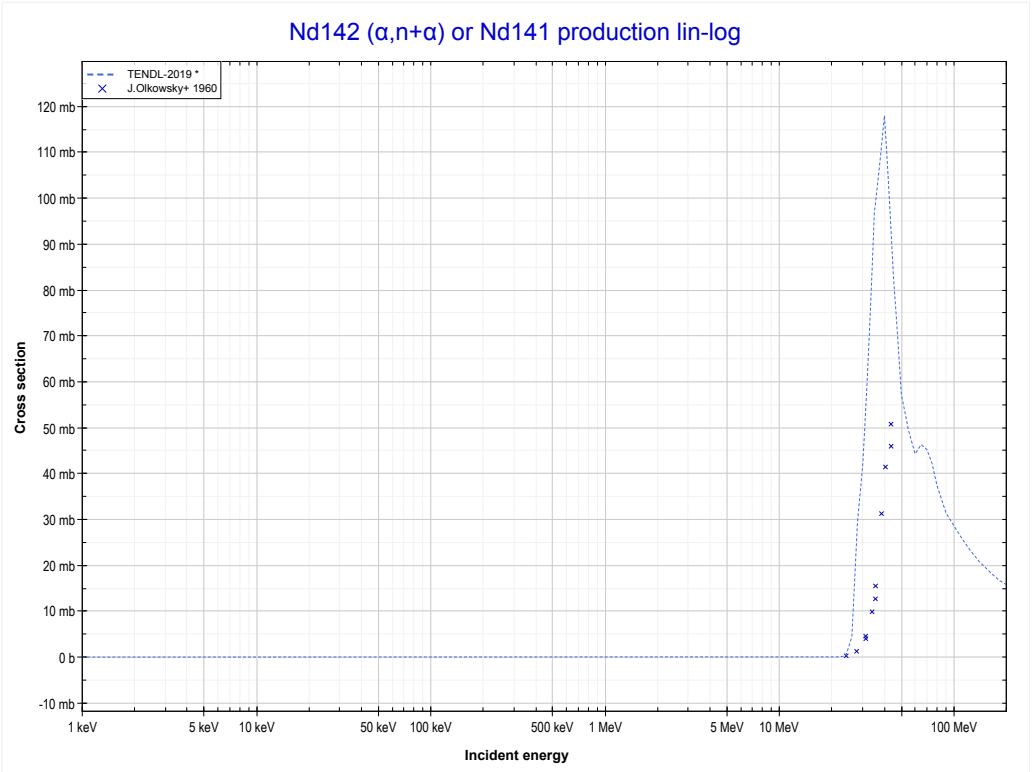
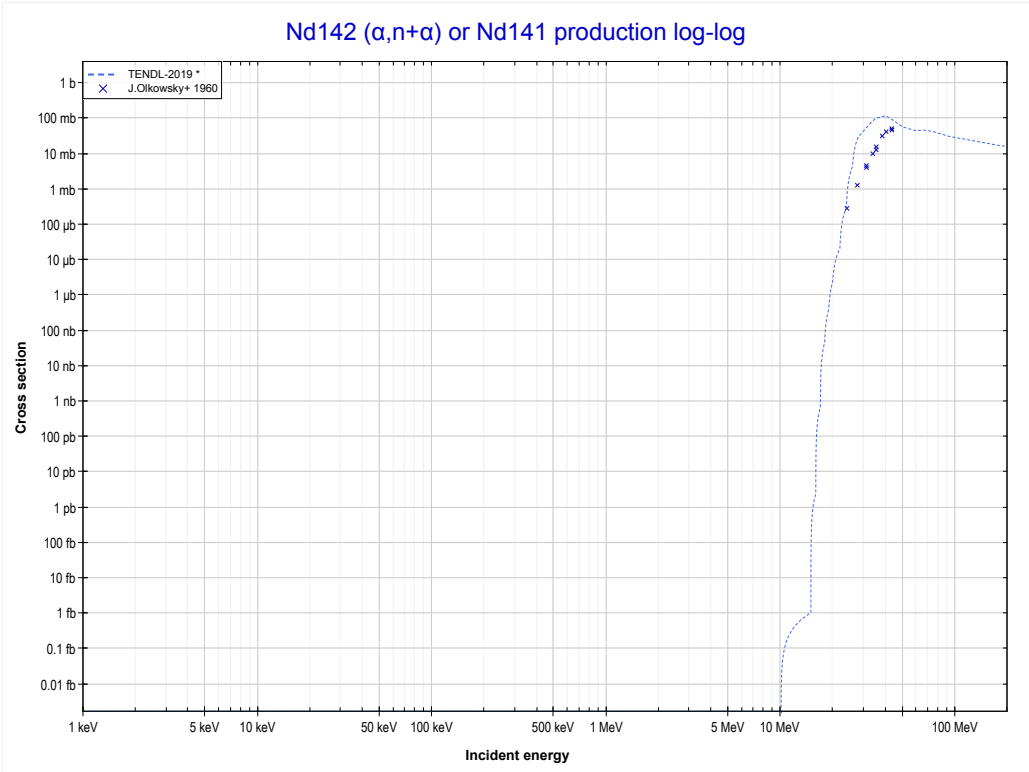
Reaction	Q-Value
Pr141(α,2n)Pm143	-16772.62 keV

<< 57-La-139	60-Nd-142	65-Tb-159 >>
<< 59-Pr-141 MT16 (α,2n)	MT17 (α,3n) or MT5 (Sm143 production)	MT22 (α,n+α) >>



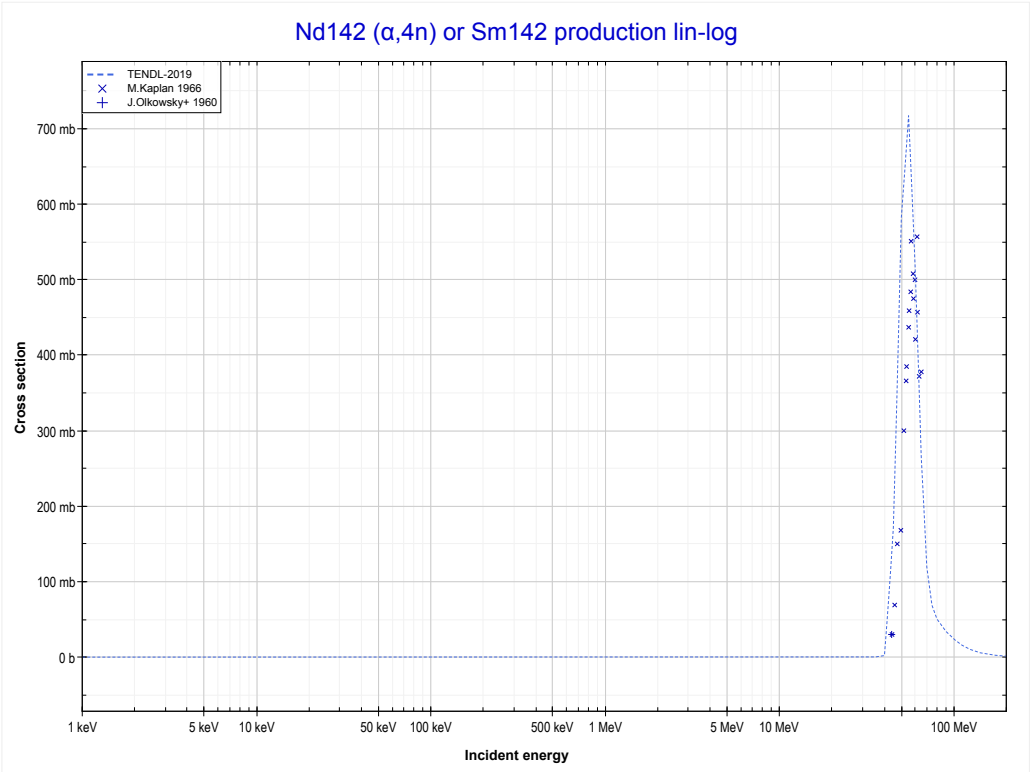
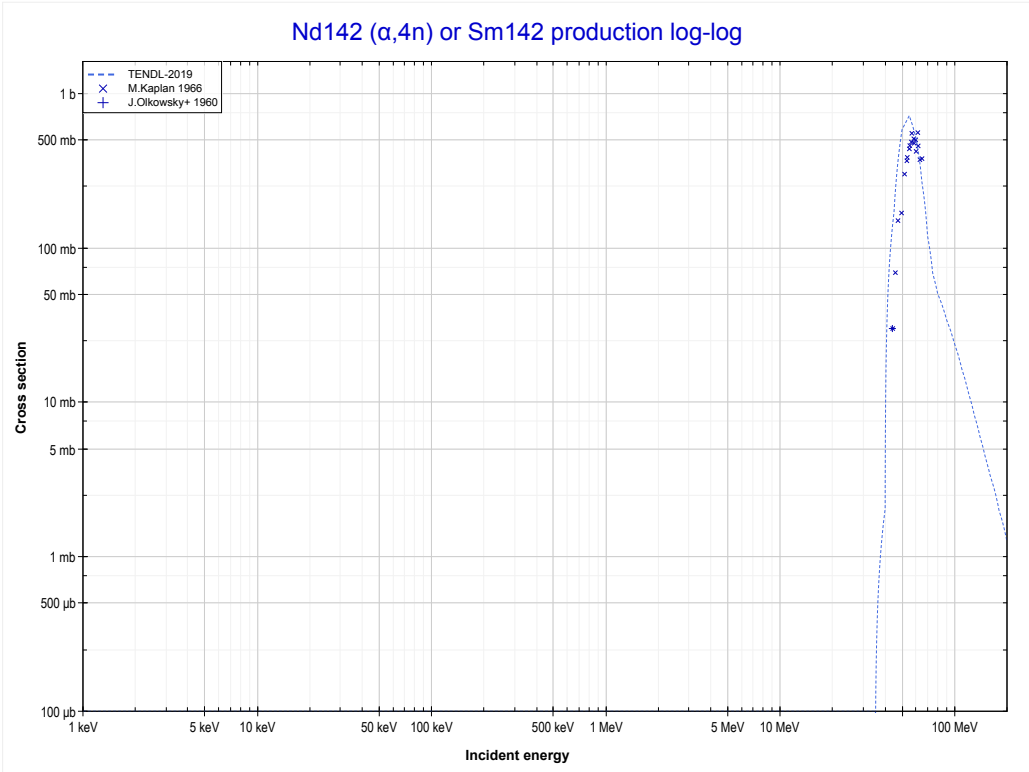
Reaction	Q-Value
Nd142(α,3n)Sm143	-28221.84 keV

<< 58-Ce-142	60-Nd-142	65-Tb-159 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Nd141 production)	MT37 (α,4n) >>



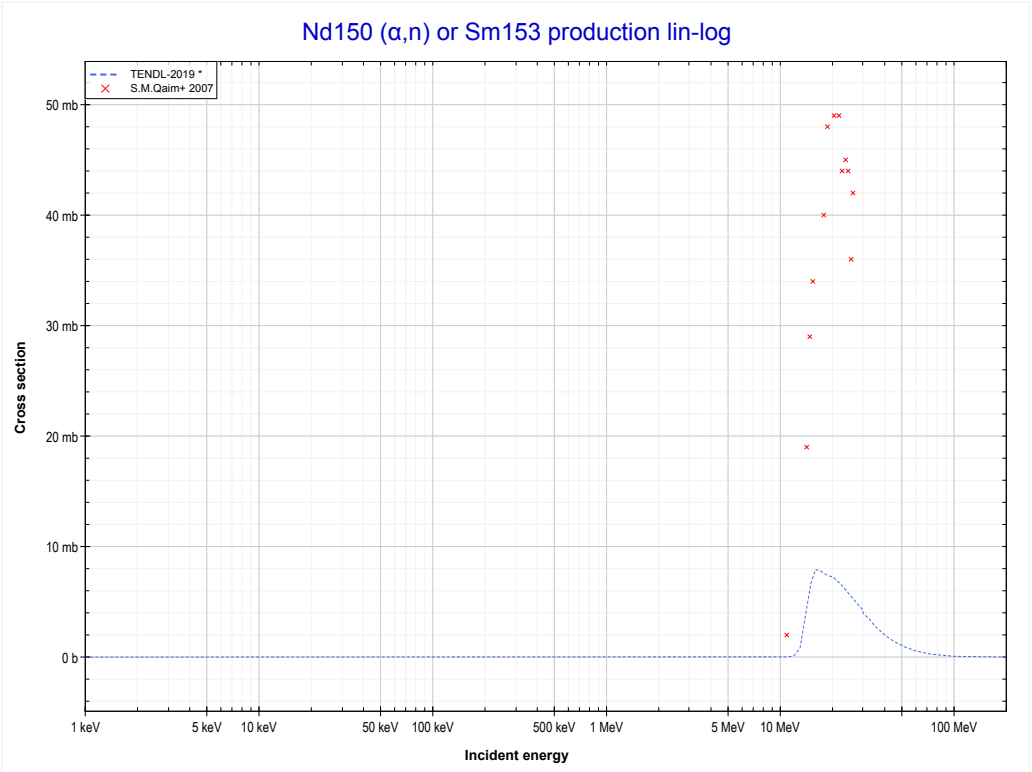
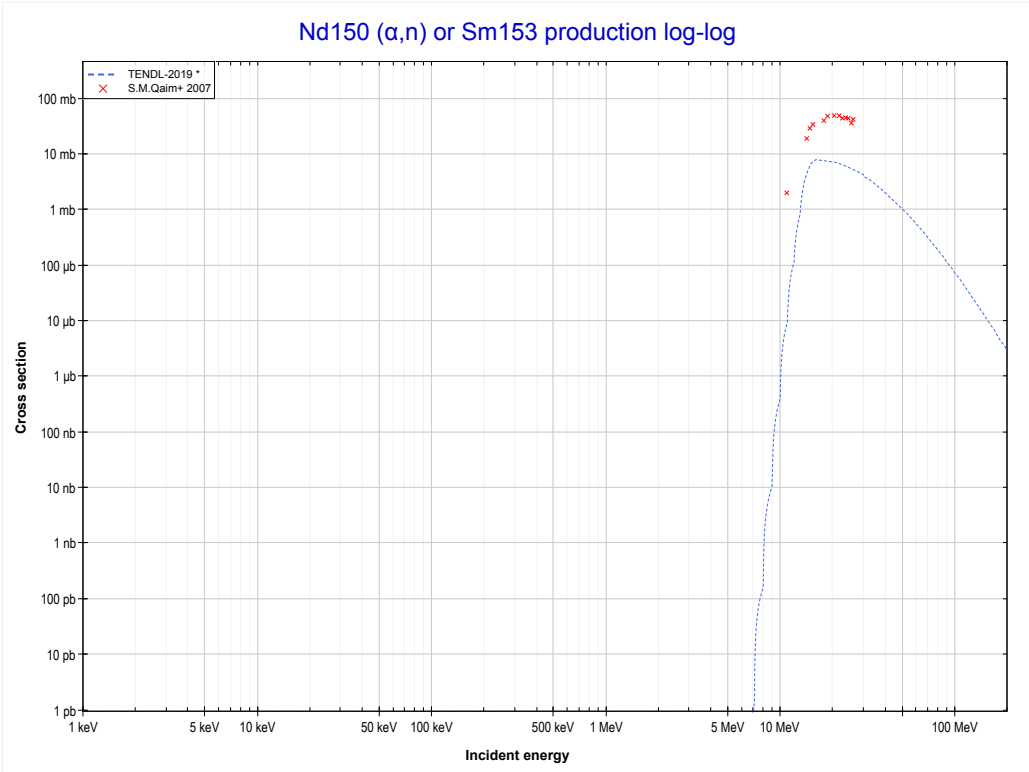
Reaction	Q-Value
Nd142(α,n+α)Nd141	-9828.32 keV
Nd142(α,d+t)Nd141	-27417.62 keV
Nd142(α,n+p+t)Nd141	-29642.18 keV
Nd142(α,2n+He3)Nd141	-30405.94 keV
Nd142(α,n+2d)Nd141	-33674.84 keV
Nd142(α,2n+p+d)Nd141	-35899.41 keV
Nd142(α,3n+2p)Nd141	-38123.98 keV

<< 57-La-139	60-Nd-142	65-Tb-159 >>
<< MT22 ($\alpha,n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Sm142 production)	60-Nd-150 MT4 (α,n) >>



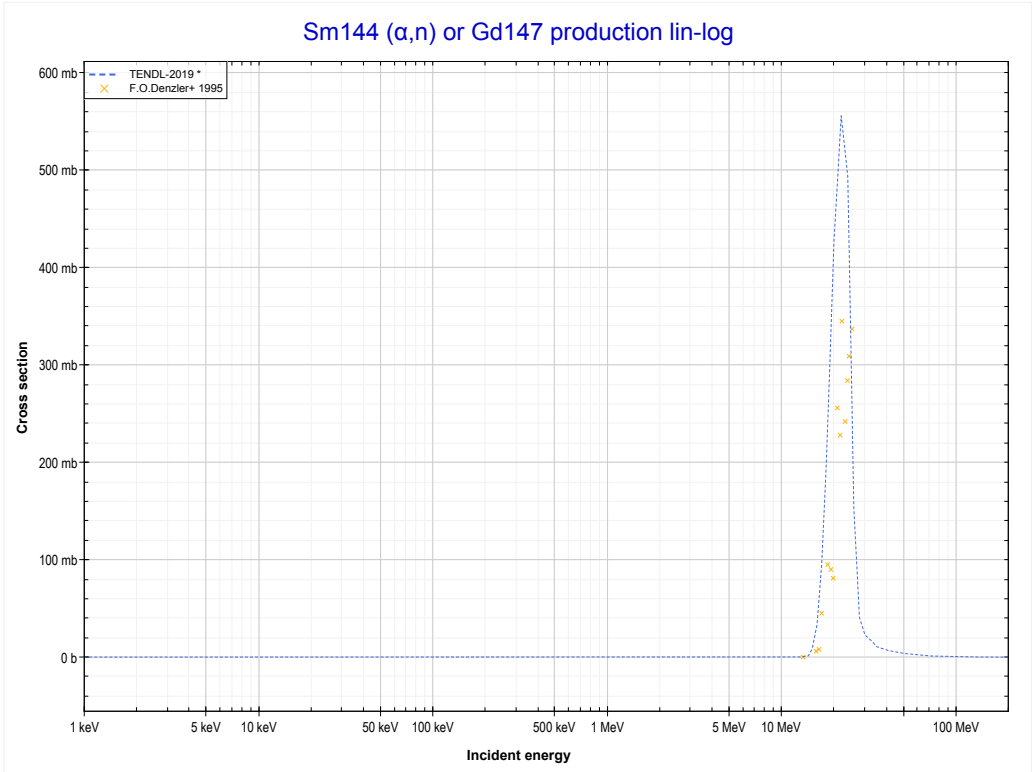
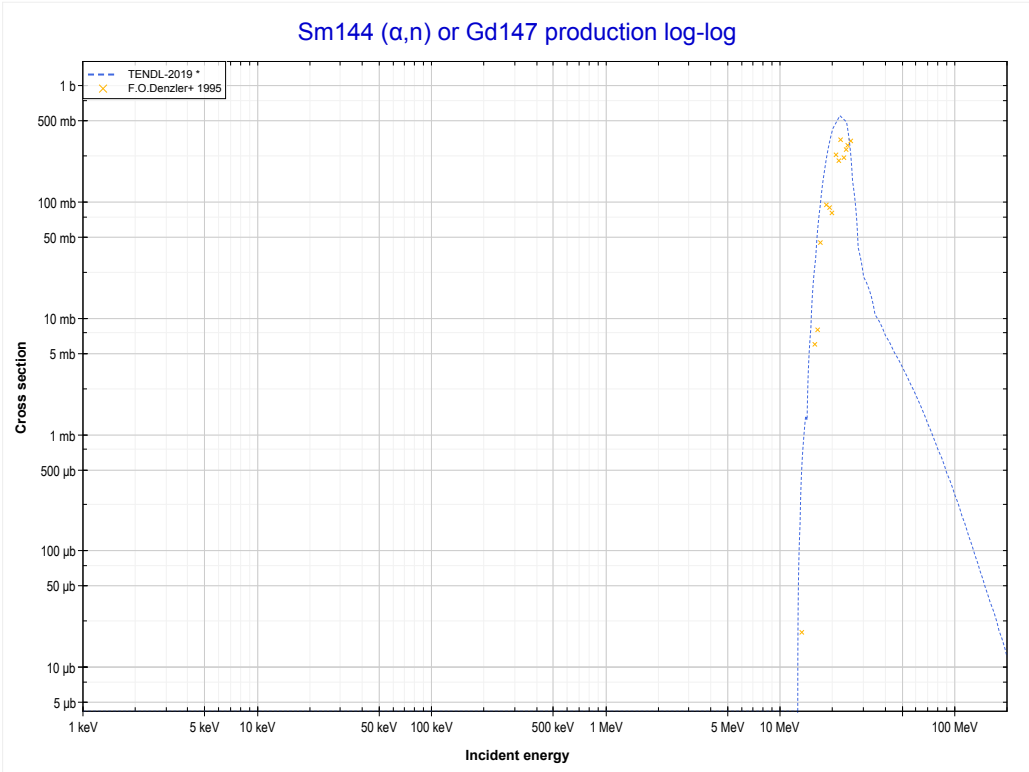
Reaction	Q-Value
Nd142($\alpha,4n$)Sm142	-36824.35 keV

<< 59-Pr-141	60-Nd-150	62-Sm-144 >>
<< 60-Nd-142 MT37 (α,4n)	MT4 (α,n) or MT5 (Sm153 production)	62-Sm-144 MT4 (α,n) >>



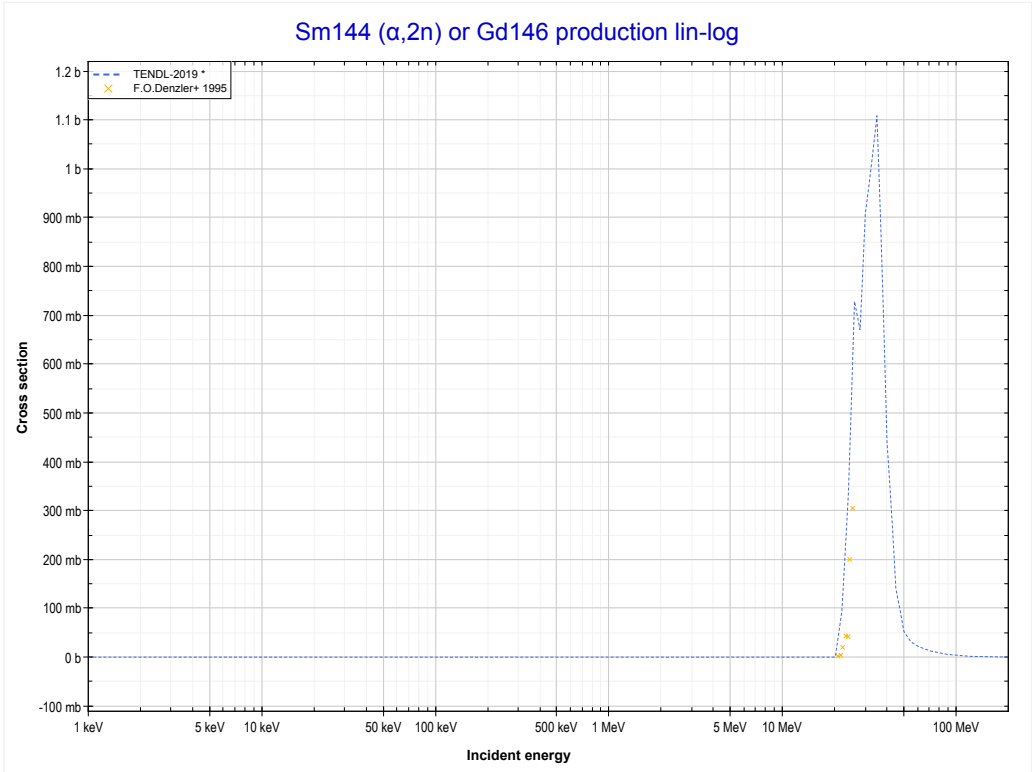
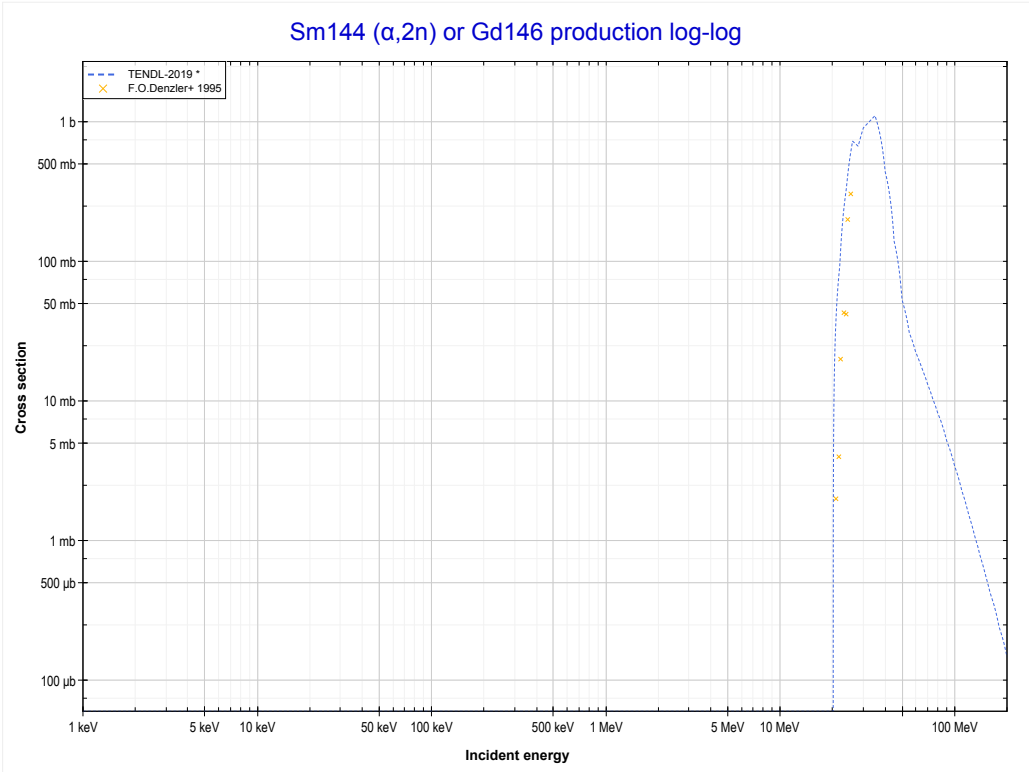
Reaction	Q-Value
Nd150(α,n)Sm153	-6766.50 keV

<< 60-Nd-150	62-Sm-144	65-Tb-159 >>
<< 60-Nd-150 MT4 (α,n)	MT4 (α,n) or MT5 (Gd147 production)	MT16 (α,2n) >>



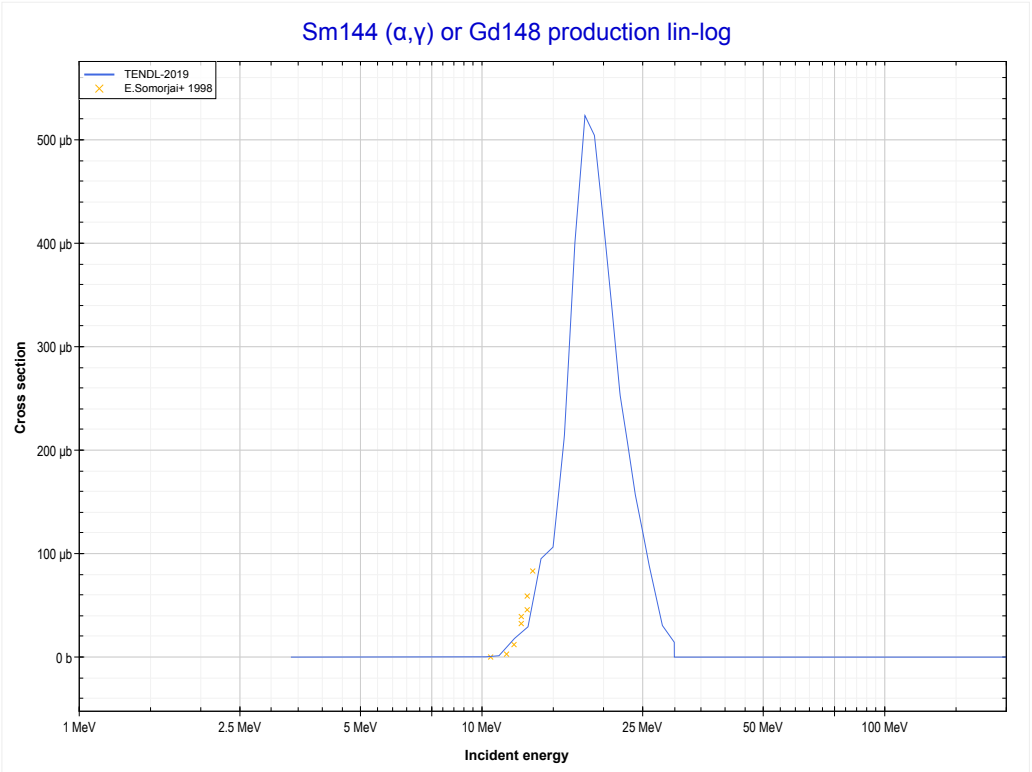
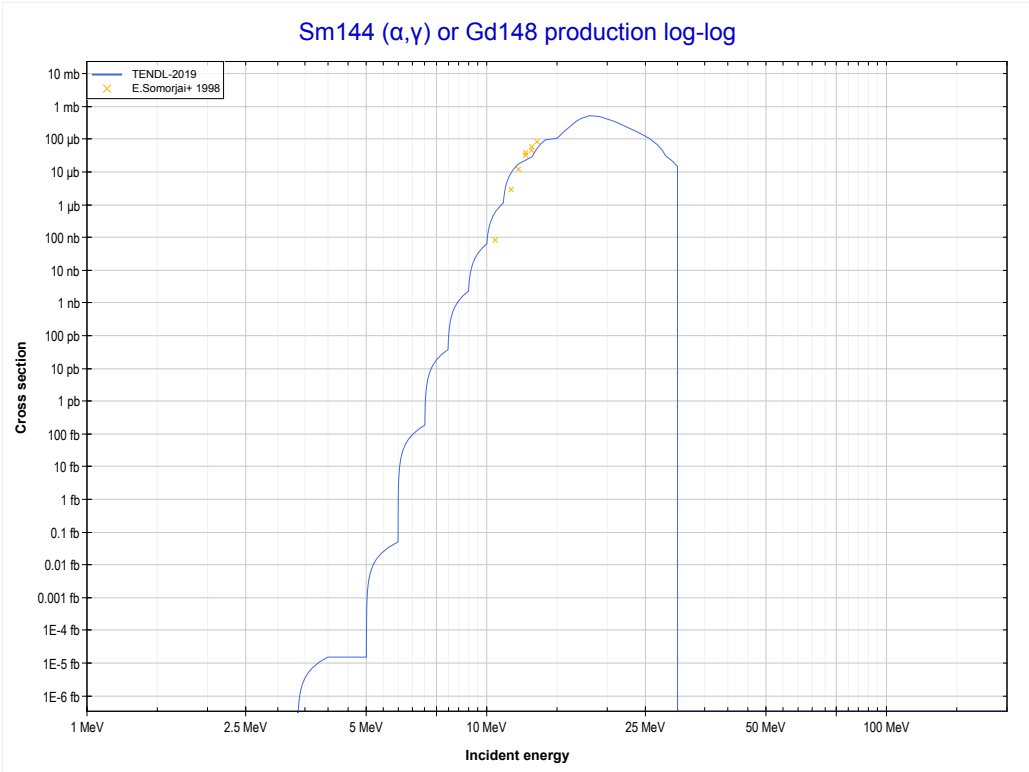
Reaction	Q-Value
Sm144(α,n)Gd147	-12255.00 keV

<< 59-Pr-141	62-Sm-144	62-Sm-154 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Gd146 production)	MT102 (α,γ) >>



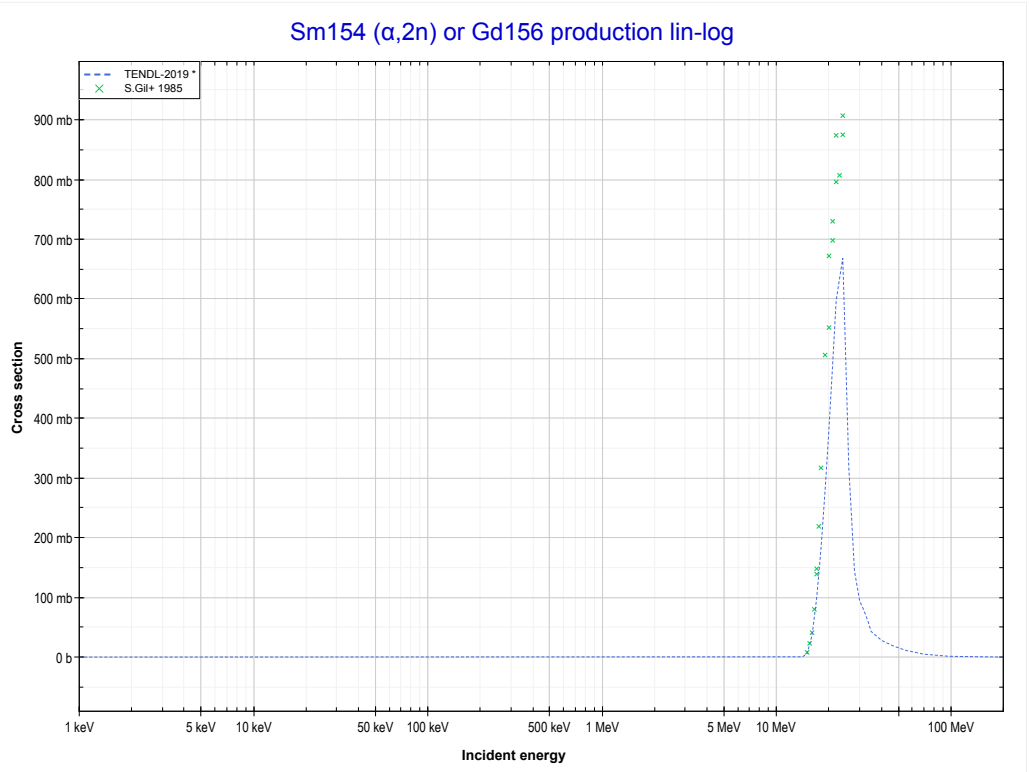
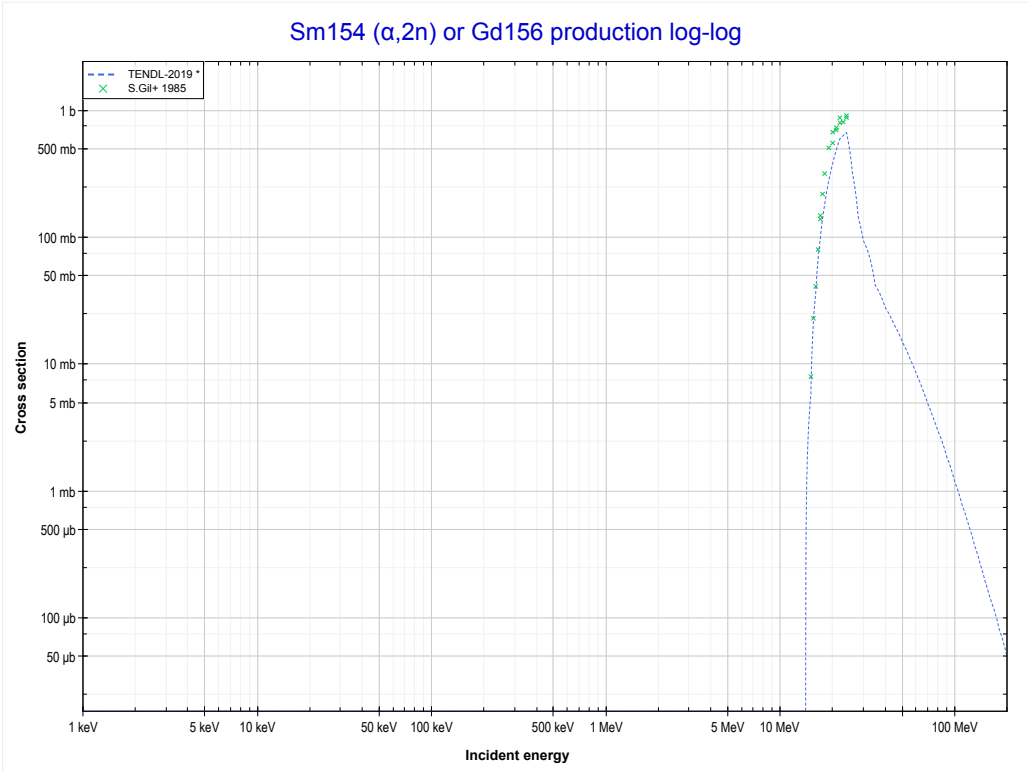
Reaction	Q-Value
Sm144(α,2n)Gd146	-19597.22 keV

<< 57-La-139	62-Sm-144	79-Au-197 >>
<< MT16 (α,2n)	MT102 (α,γ) or MT5 (Gd148 production)	62-Sm-154 MT16 (α,2n) >>



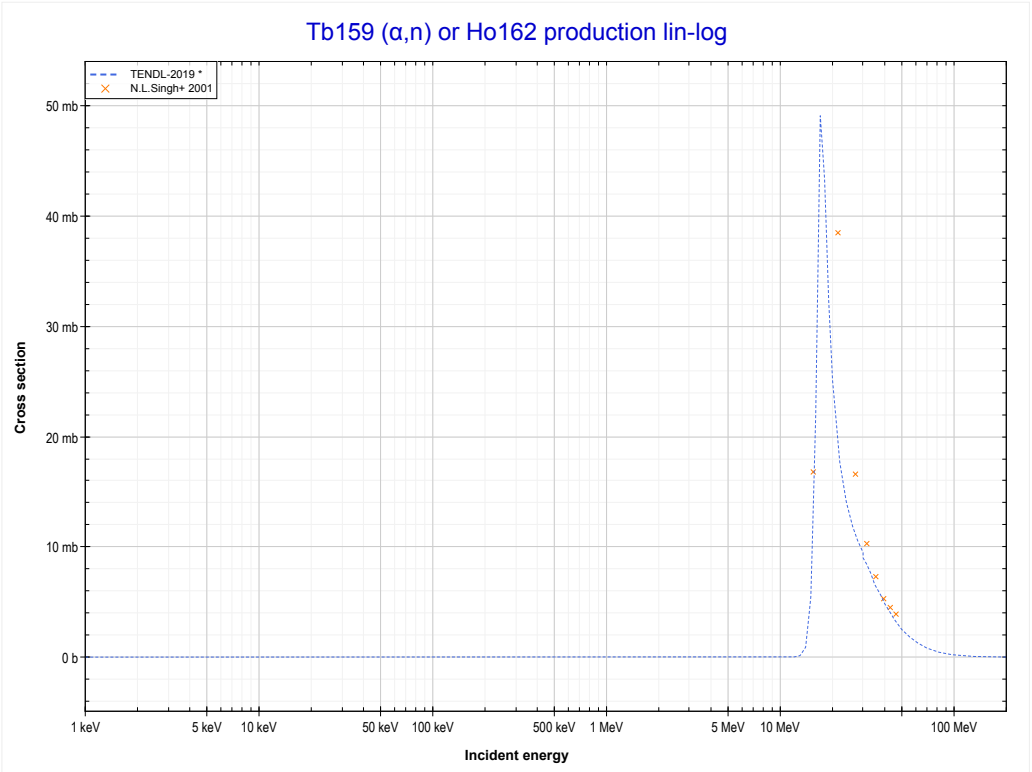
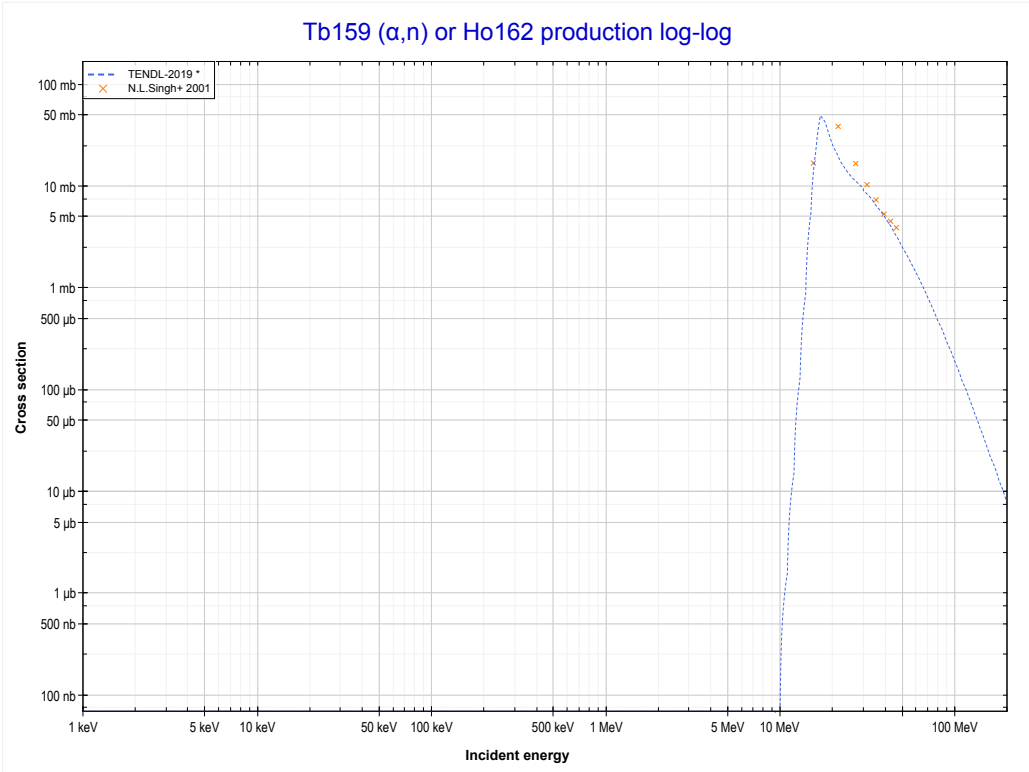
Reaction	Q-Value
Sm144(α,γ)Gd148	-3271.28 keV

<< 62-Sm-144	62-Sm-154	65-Tb-159 >>
<< 62-Sm-144 MT102 (α,γ)	MT16 (α,2n) or MT5 (Gd156 production)	65-Tb-159 MT4 (α,n) >>



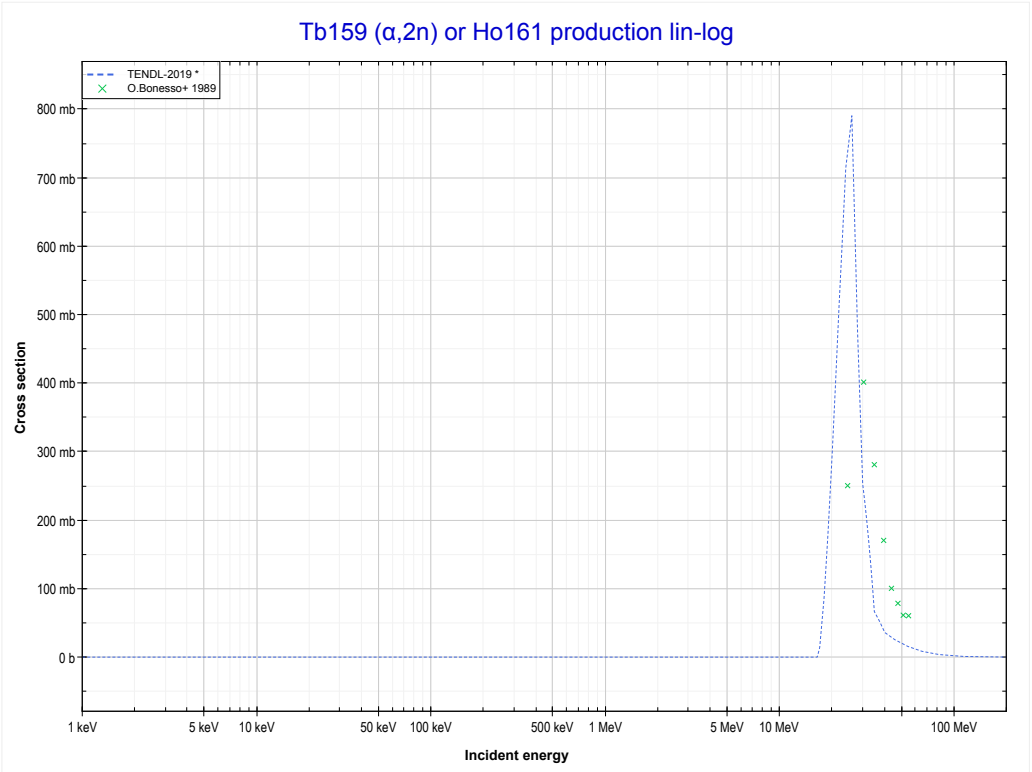
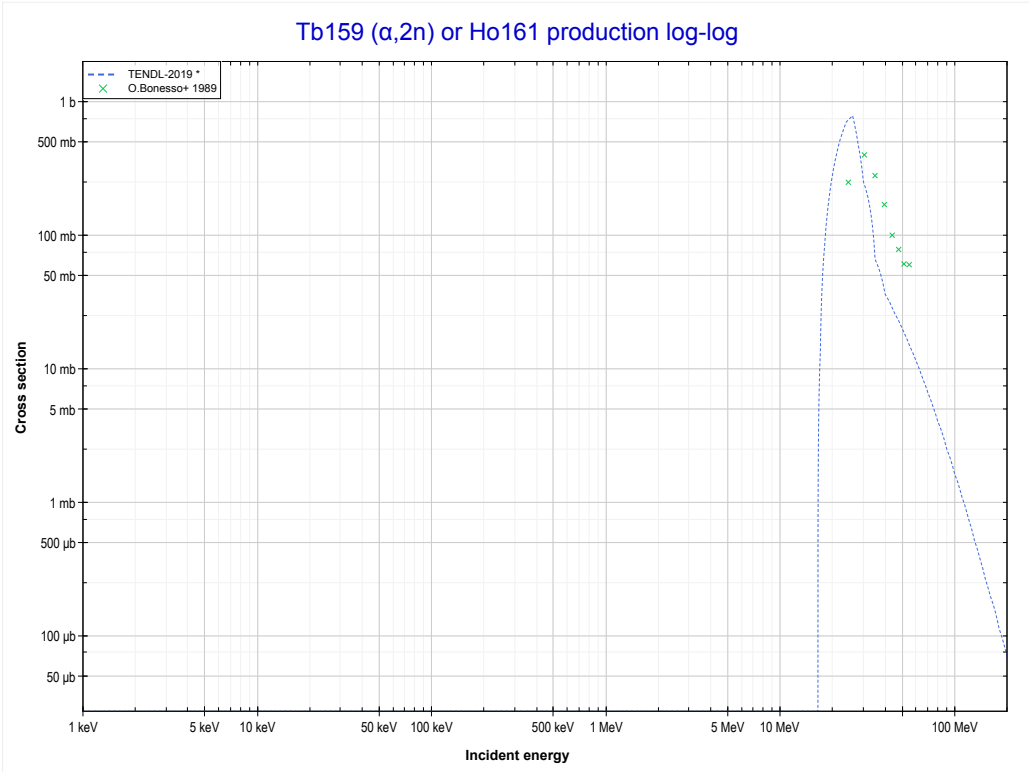
Reaction	Q-Value
Sm154(α,2n)Gd156	-13638.02 keV

<< 62-Sm-144	65-Tb-159	67-Ho-165 >>
<< 62-Sm-154 MT16 (α,2n)	MT4 (α,n) or MT5 (Ho162 production)	MT16 (α,2n) >>



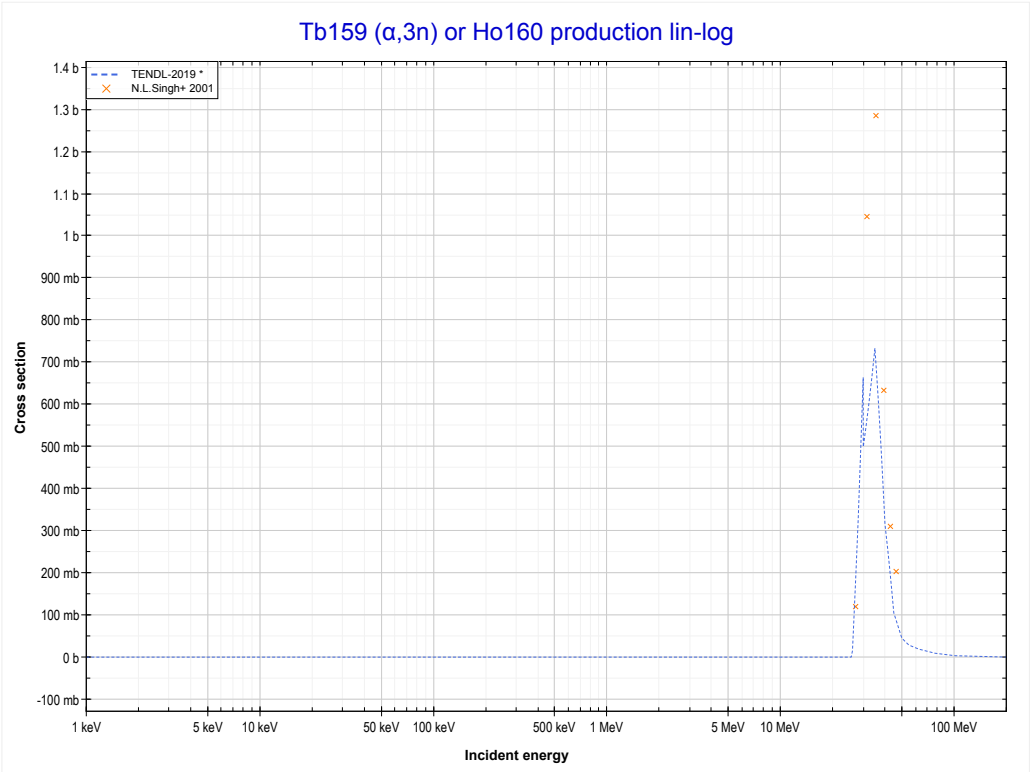
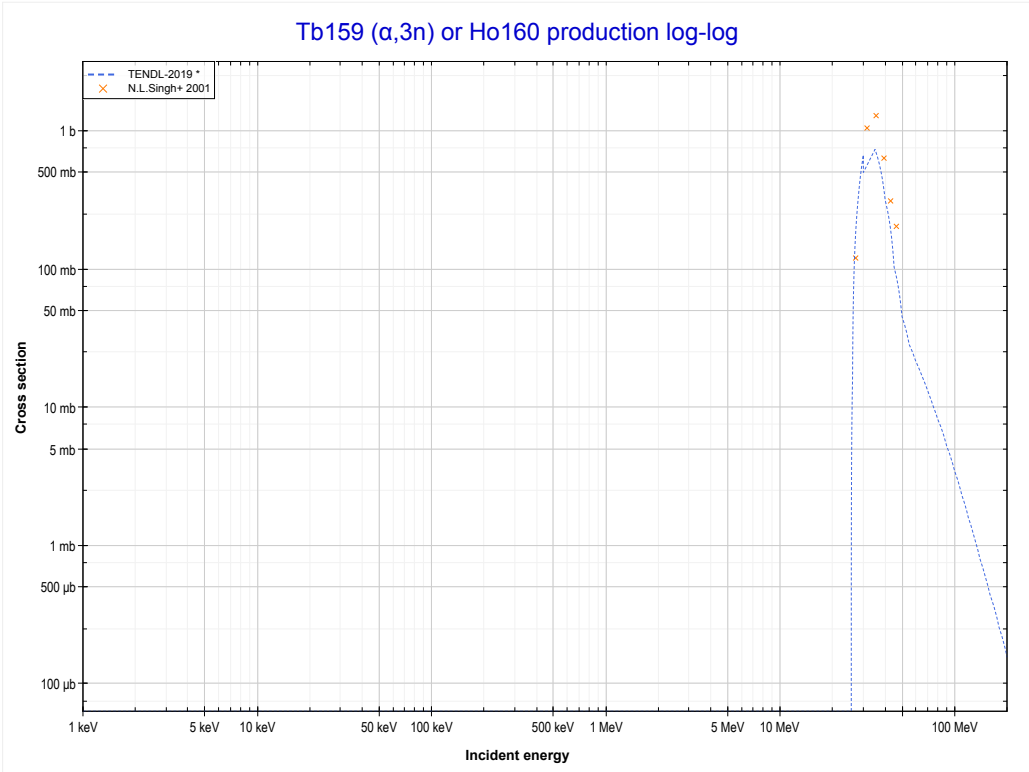
Reaction	Q-Value
Tb159(α,n)Ho162	-9136.80 keV

<< 62-Sm-154	65-Tb-159	67-Ho-165 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Ho161 production)	MT17 (α,3n) >>



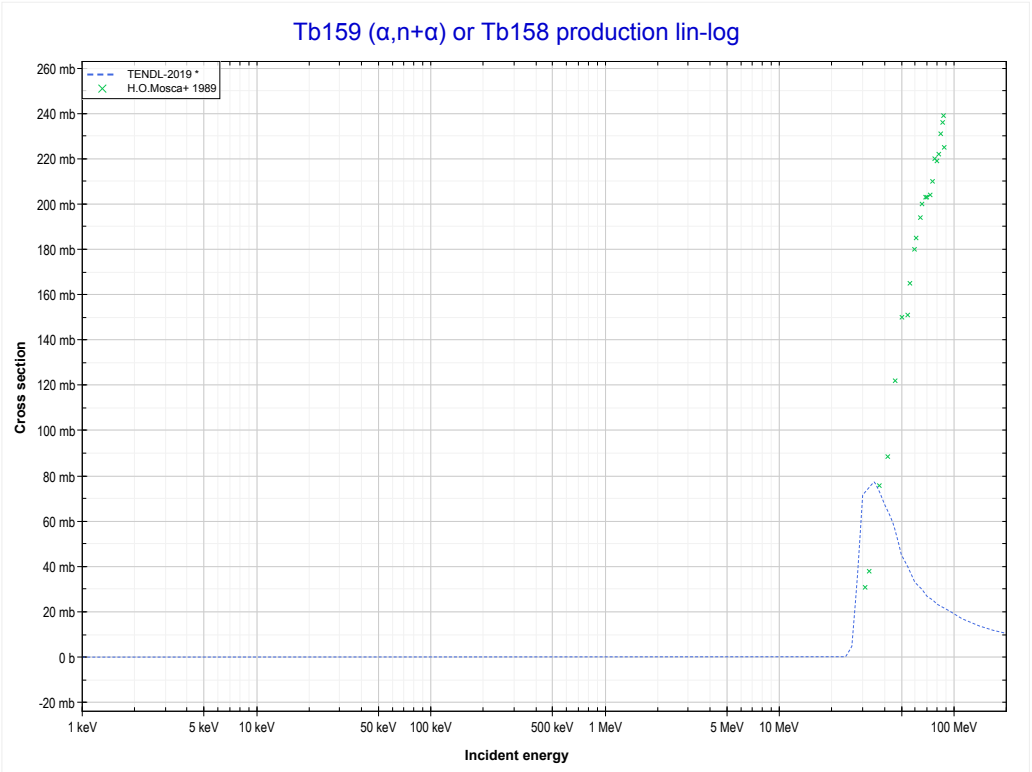
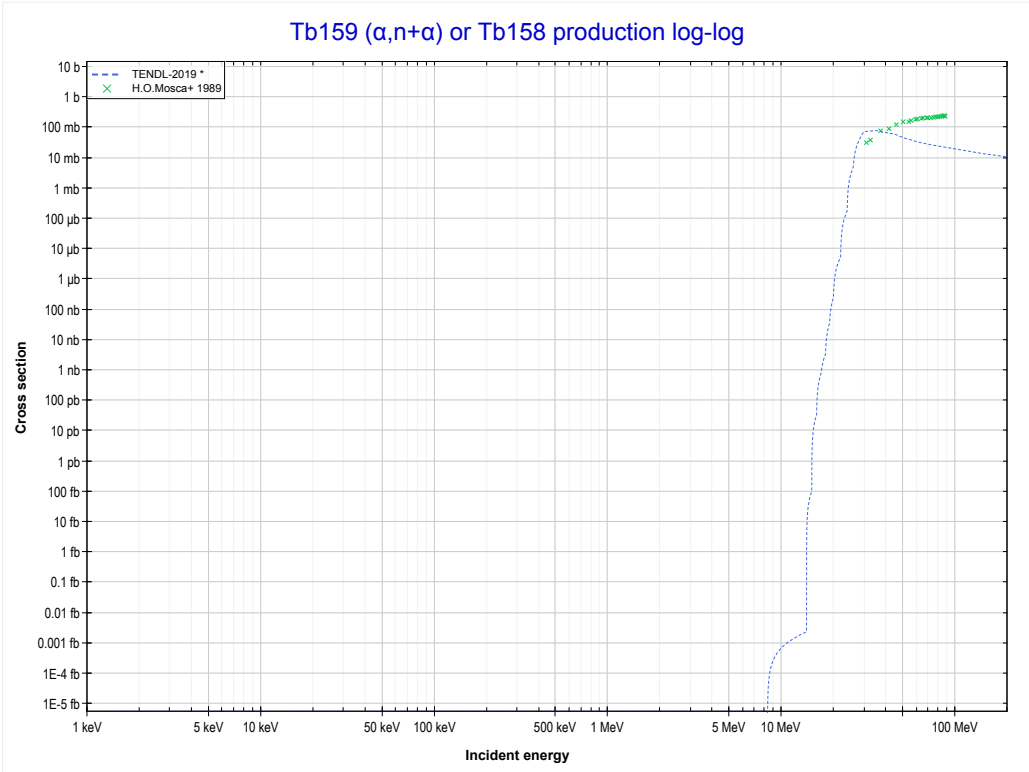
Reaction	Q-Value
Tb159(α,2n)Ho161	-16052.82 keV

<< 60-Nd-142	65-Tb-159	67-Ho-165 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Ho160 production)	MT22 ($\alpha,n+\alpha$) >>



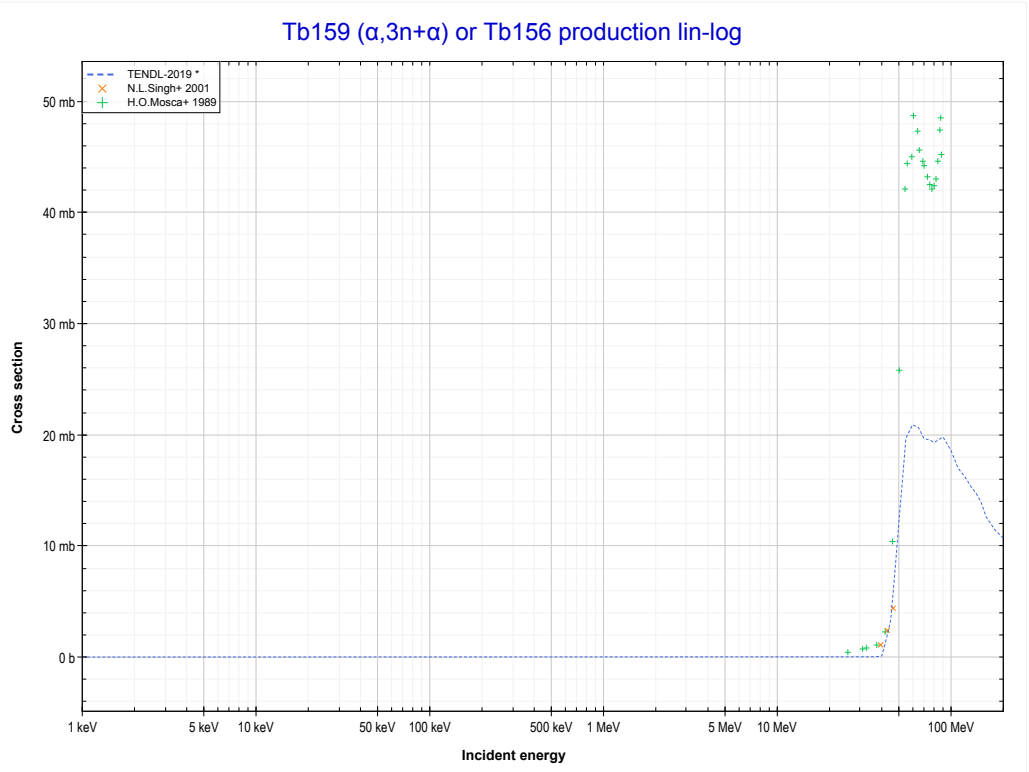
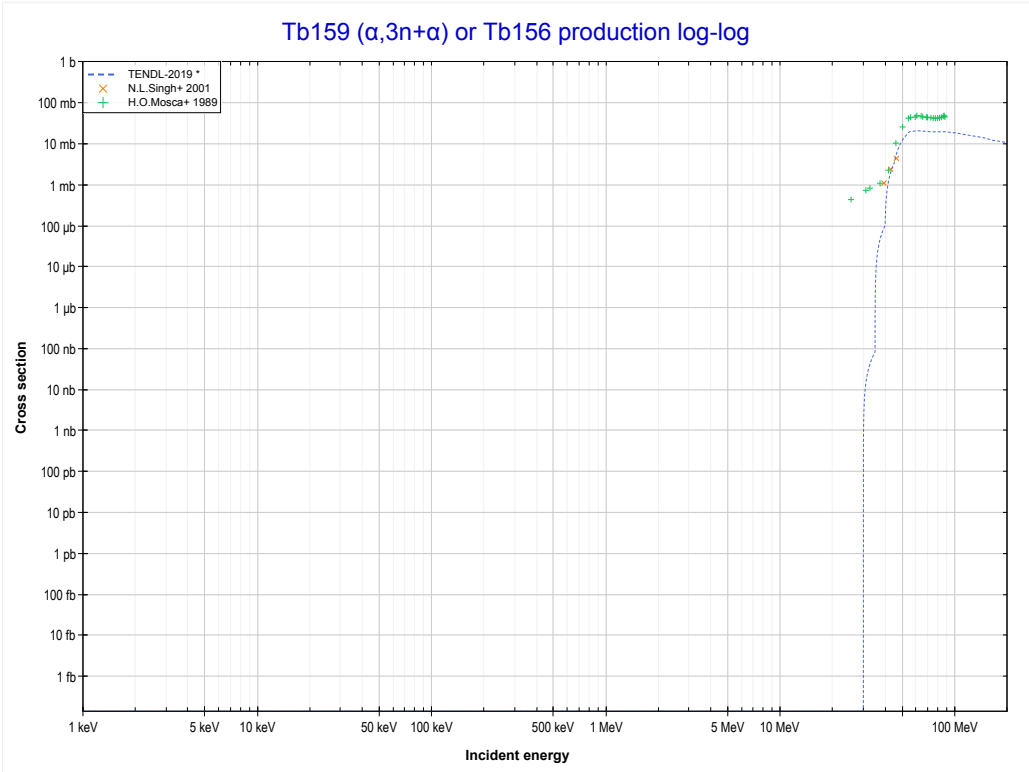
Reaction	Q-Value
Tb159($\alpha,3n$)Ho160	-24938.44 keV

<< 60-Nd-142	65-Tb-159	69-Tm-169 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Tb158 production)	MT25 (α,3n+α) >>



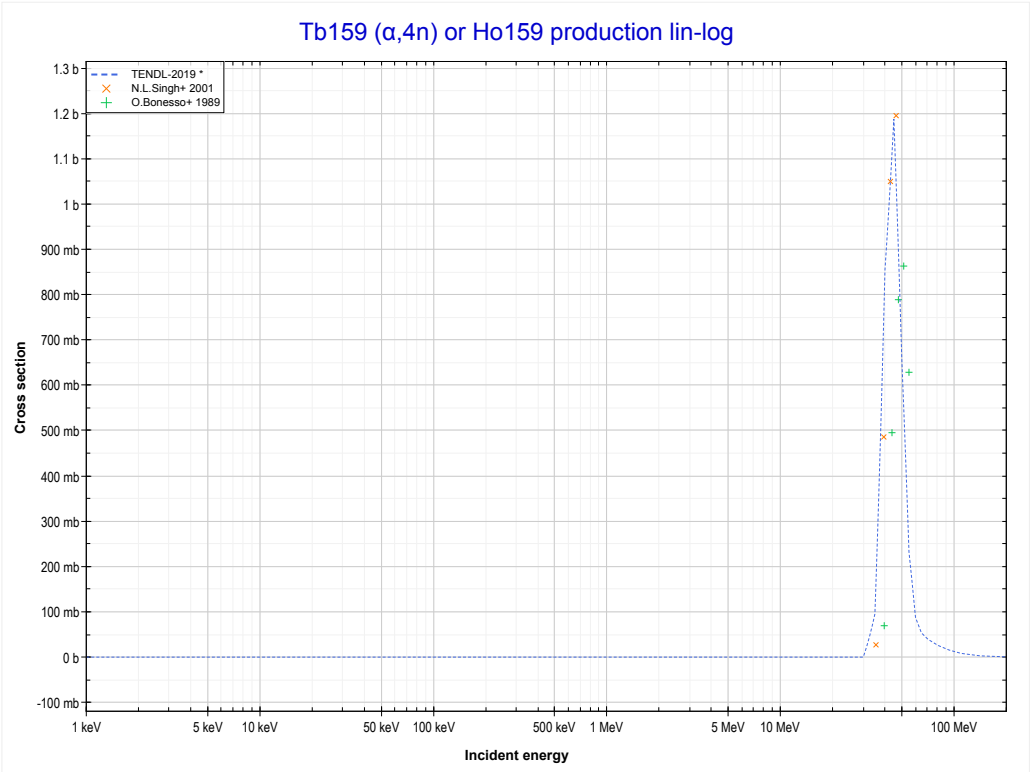
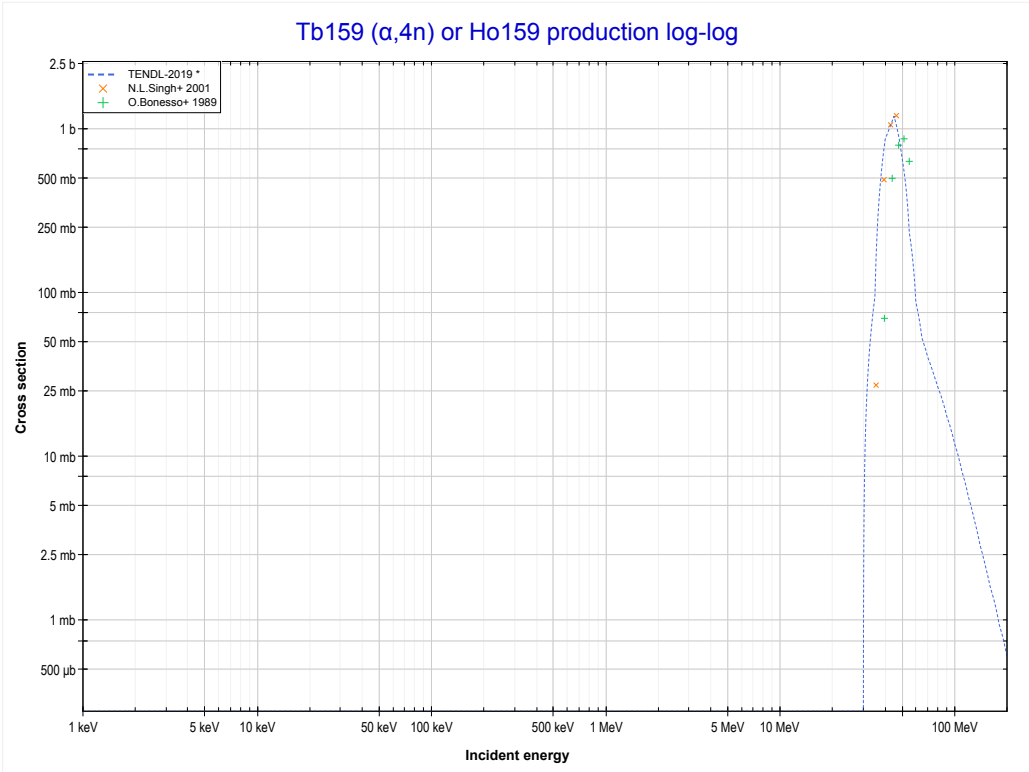
Reaction	Q-Value
Tb159(α,n+α)Tb158	-8133.02 keV
Tb159(α,d+t)Tb158	-25722.32 keV
Tb159(α,n+p+t)Tb158	-27946.88 keV
Tb159(α,2n+He3)Tb158	-28710.64 keV
Tb159(α,n+2d)Tb158	-31979.54 keV
Tb159(α,2n+p+d)Tb158	-34204.11 keV
Tb159(α,3n+2p)Tb158	-36428.68 keV

<< 53-I-127	65-Tb-159	79-Au-197 >>
<< MT22 ($\alpha,n+\alpha$)	MT25 ($\alpha,3n+\alpha$) or MT5 (Tb156 production)	MT37 ($\alpha,4n$) >>



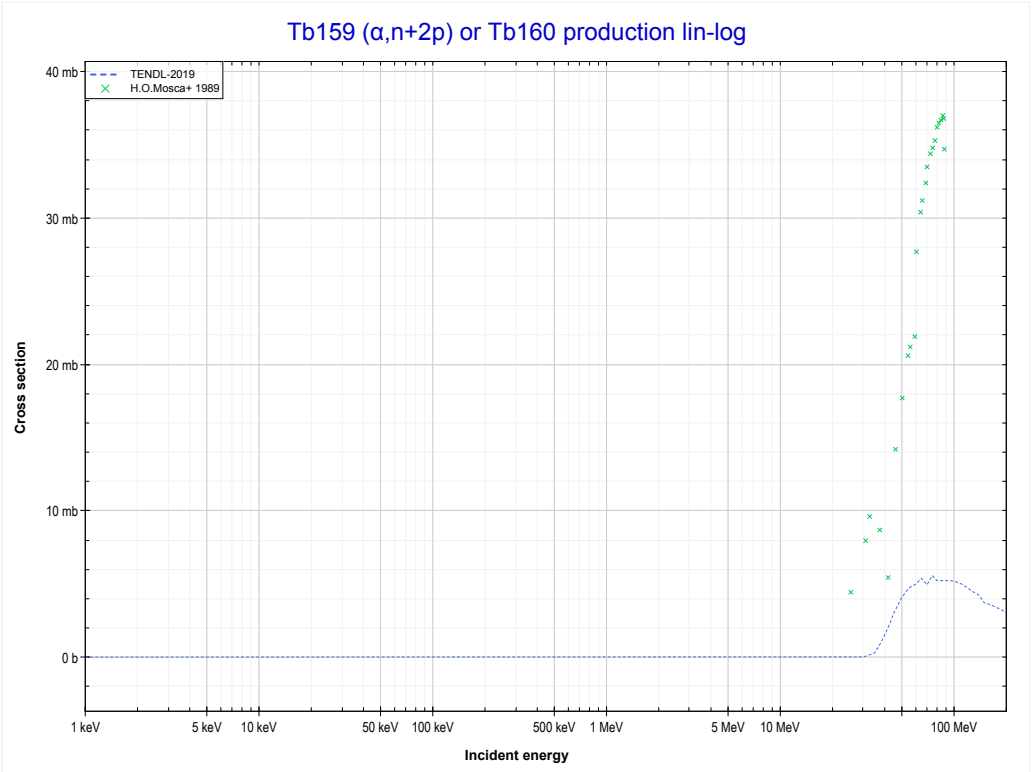
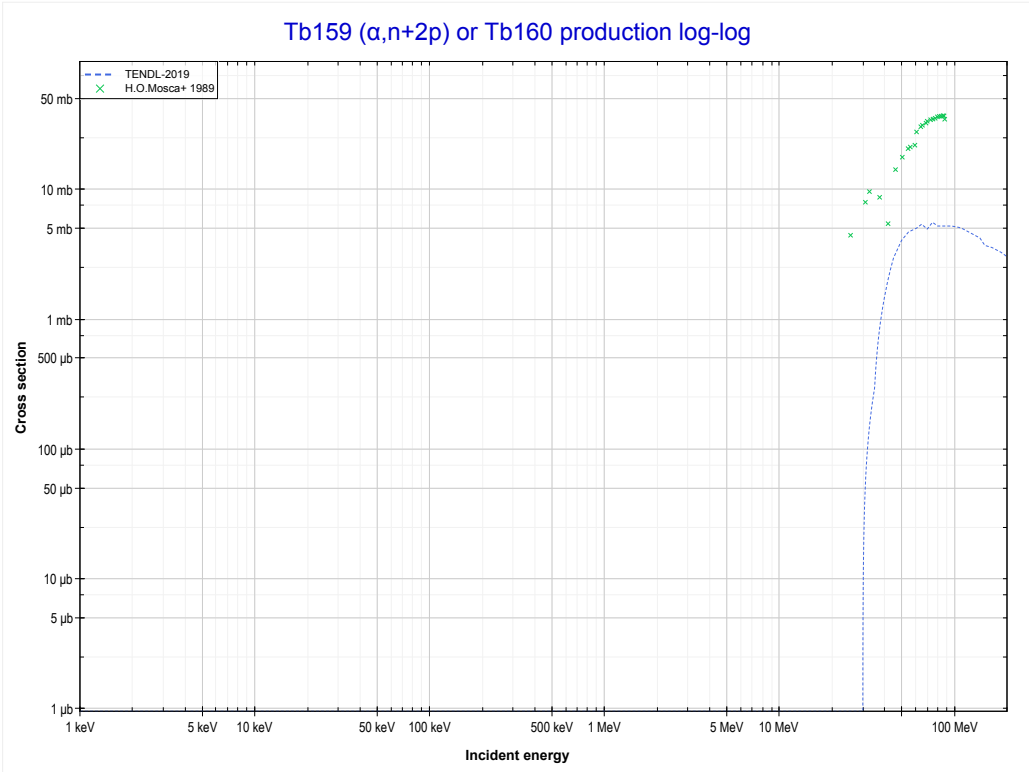
Reaction	Q-Value
Tb159($\alpha,3n+\alpha$)Tb156	-23655.35 keV
Tb159($\alpha,n+2t$)Tb156	-34987.42 keV
Tb159($\alpha,2n+d+t$)Tb156	-41244.65 keV
Tb159($\alpha,3n+p+t$)Tb156	-43469.22 keV
Tb159($\alpha,4n+He3$)Tb156	-44232.97 keV
Tb159($\alpha,3n+2d$)Tb156	-47501.88 keV
Tb159($\alpha,4n+p+d$)Tb156	-49726.45 keV
Tb159($\alpha,5n+2p$)Tb156	-51951.01 keV

<< 60-Nd-142	65-Tb-159	67-Ho-165 >>
<< MT25 ($\alpha,3n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Ho159 production)	MT44 ($\alpha,n+2p$) >>



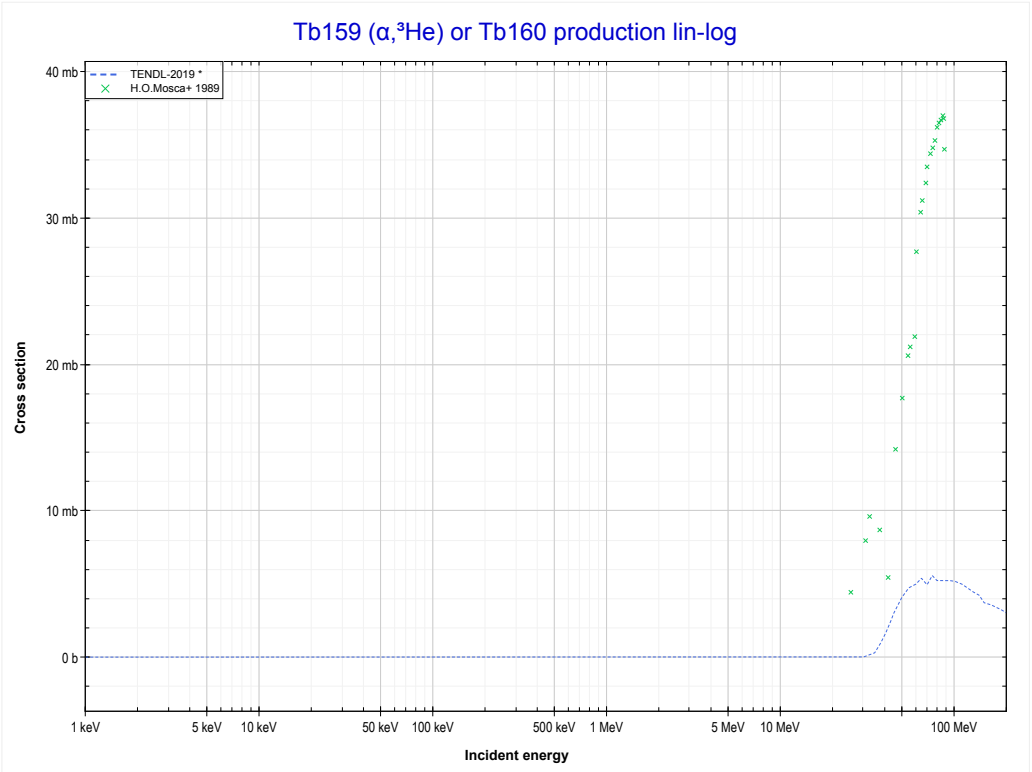
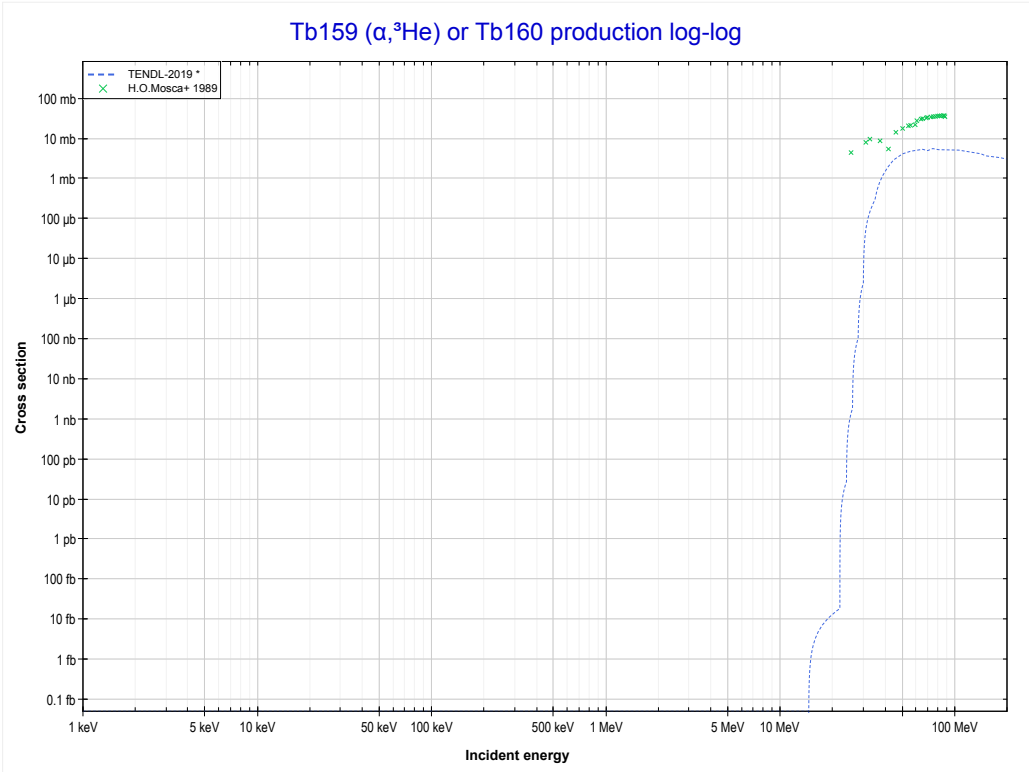
Reaction	Q-Value
Tb159($\alpha,4n$)Ho159	-32062.75 keV

<< 58-Ce-142	65-Tb-159	74-W-186 >>
<< MT37 ($\alpha,4n$)	MT44 ($\alpha,n+2p$) or MT5 (Tb160 production)	MT106 ($\alpha,^3\text{He}$) >>



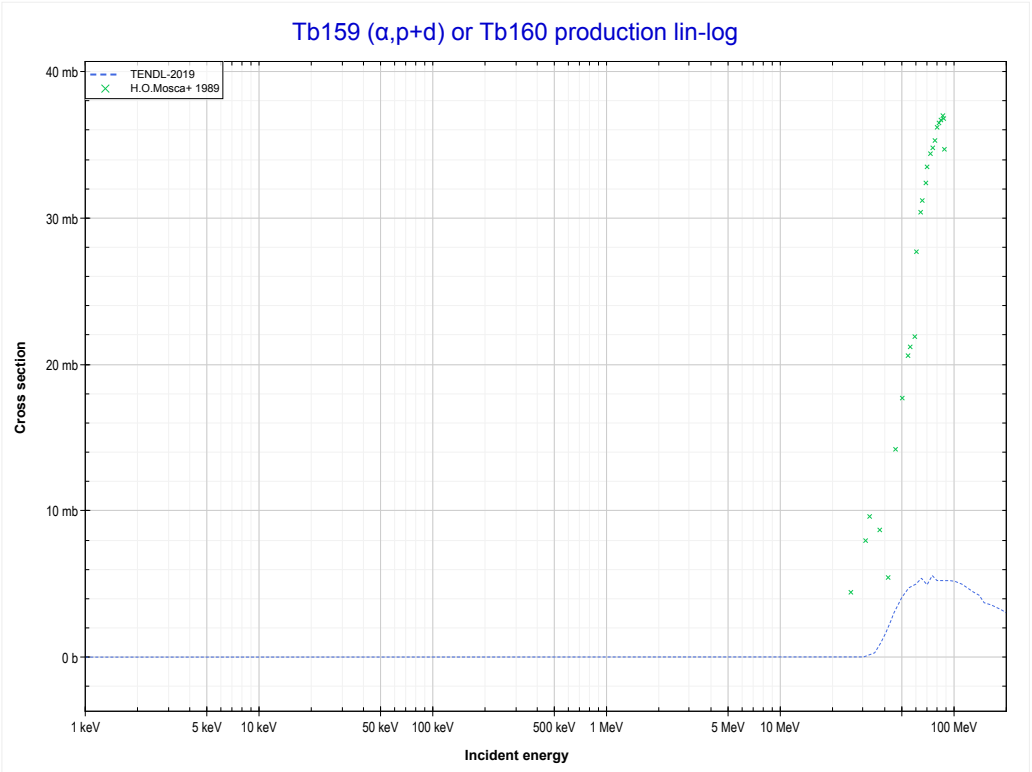
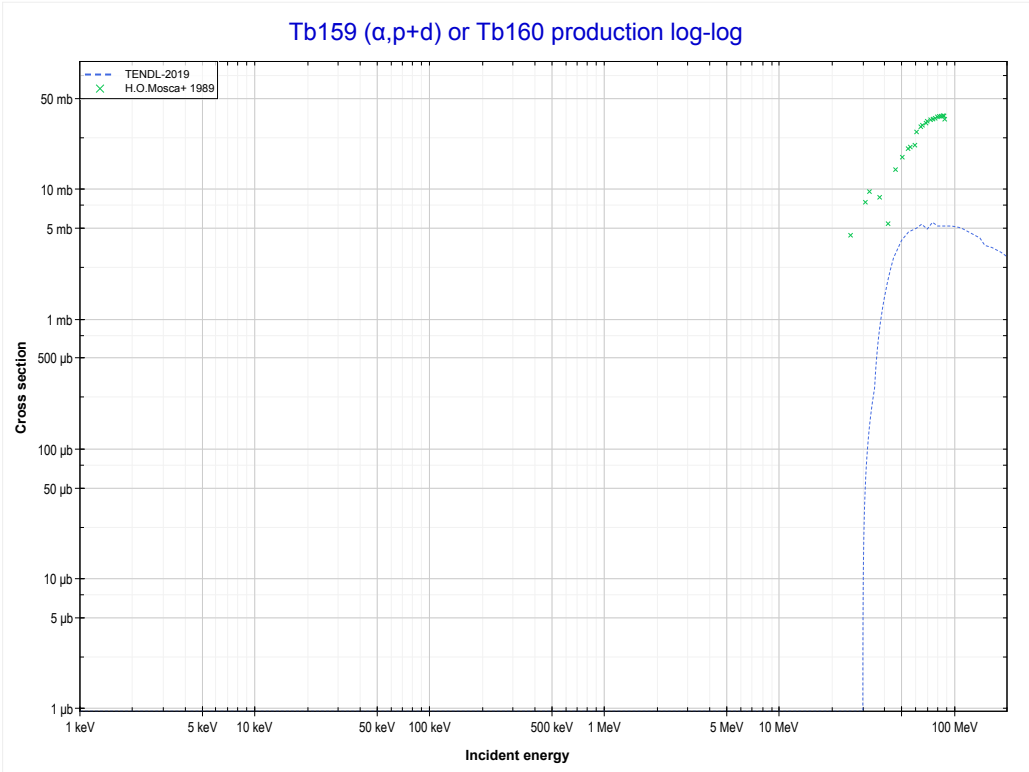
Reaction	Q-Value
Tb159($\alpha,\text{He3}$)Tb160	-14202.40 keV
Tb159($\alpha,p+d$)Tb160	-19695.88 keV
Tb159($\alpha,n+2p$)Tb160	-21920.44 keV

<< 37-Rb-85	65-Tb-159	74-W-186 >>
<< MT44 (α ,n+2p)	MT106 (α , ^3He) or MT5 (Tb160 production)	MT115 (α ,p+d) >>



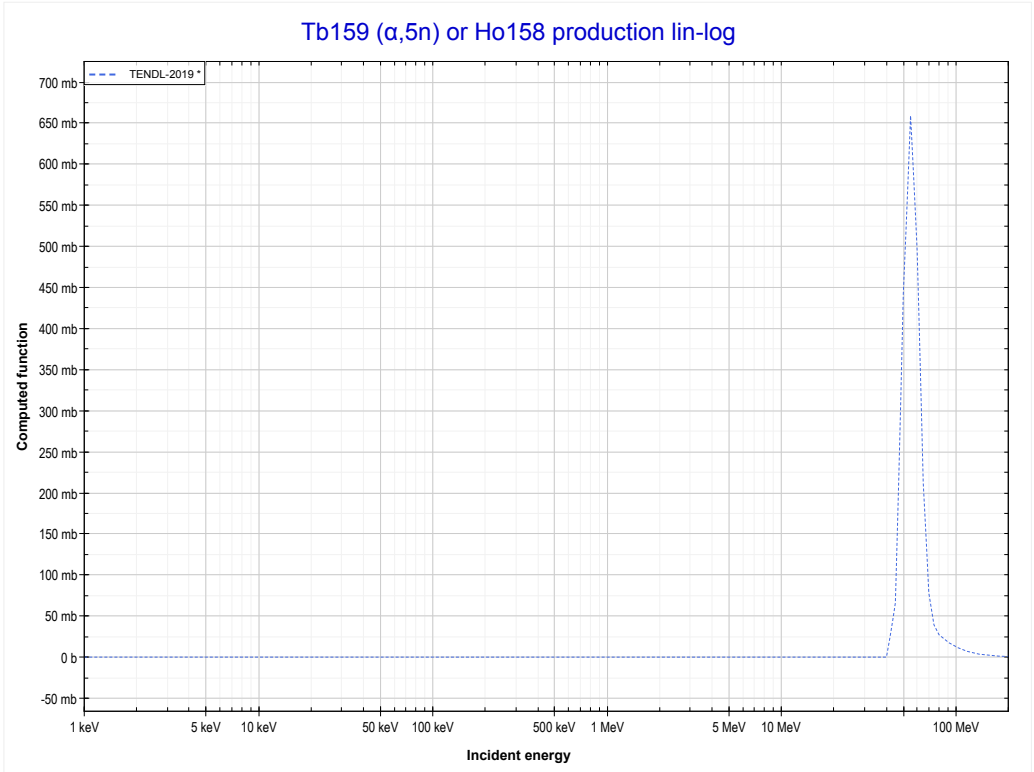
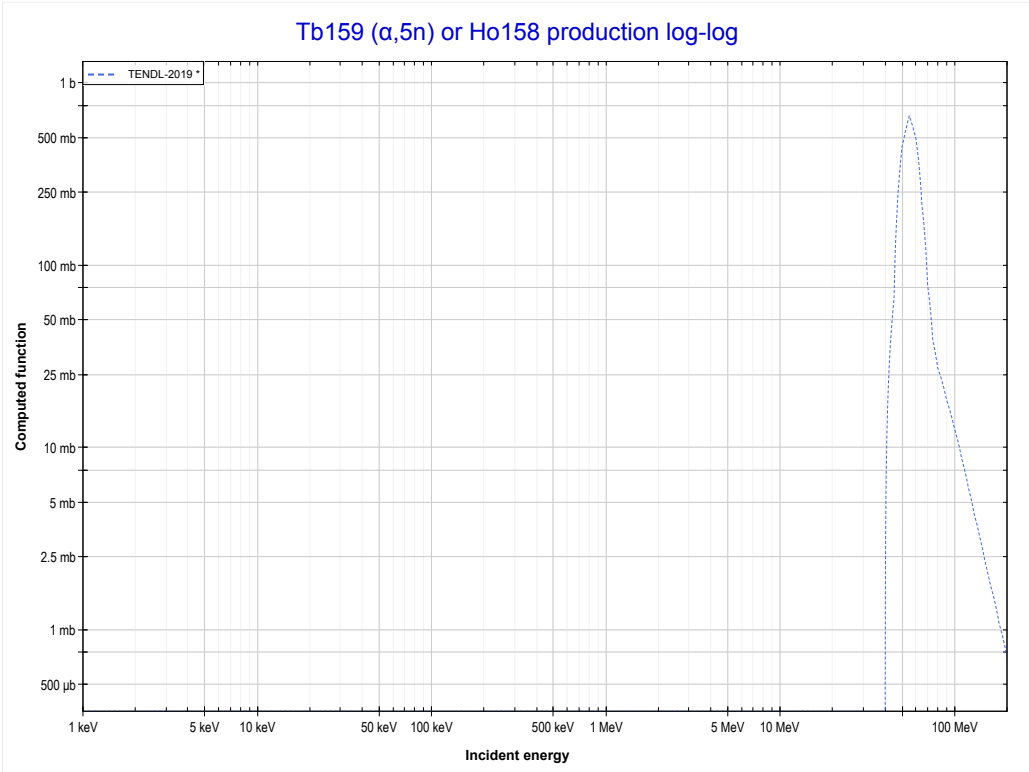
Reaction	Q-Value
Tb159(α ,He3)Tb160	-14202.40 keV
Tb159(α ,p+d)Tb160	-19695.88 keV
Tb159(α ,n+2p)Tb160	-21920.44 keV

<< 37-Rb-85	65-Tb-159	74-W-186 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Tb160 production)	MT152 (α ,5n) >>



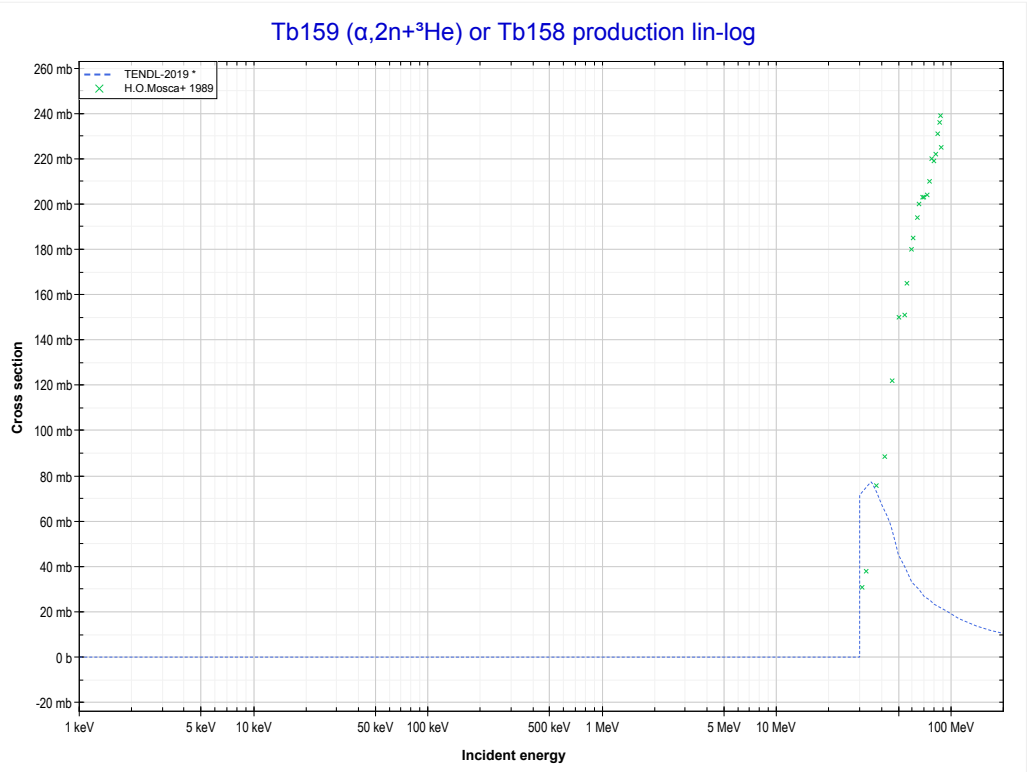
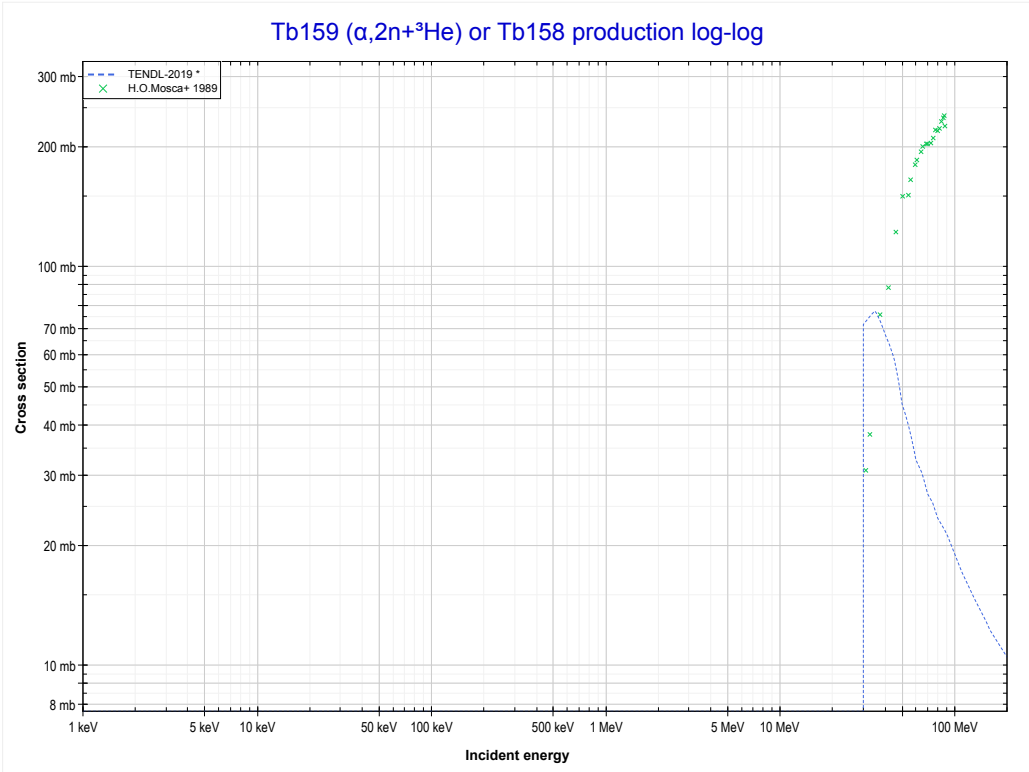
Reaction	Q-Value
Tb159(α ,He3)Tb160	-14202.40 keV
Tb159(α ,p+d)Tb160	-19695.88 keV
Tb159(α ,n+2p)Tb160	-21920.44 keV

<< 48-Cd-116	65-Tb-159	69-Tm-169 >>
<< MT115 (α,p+d)	MT152 (α,5n) or MT5 (Ho158 production)	MT176 (α,2n+³He) >>



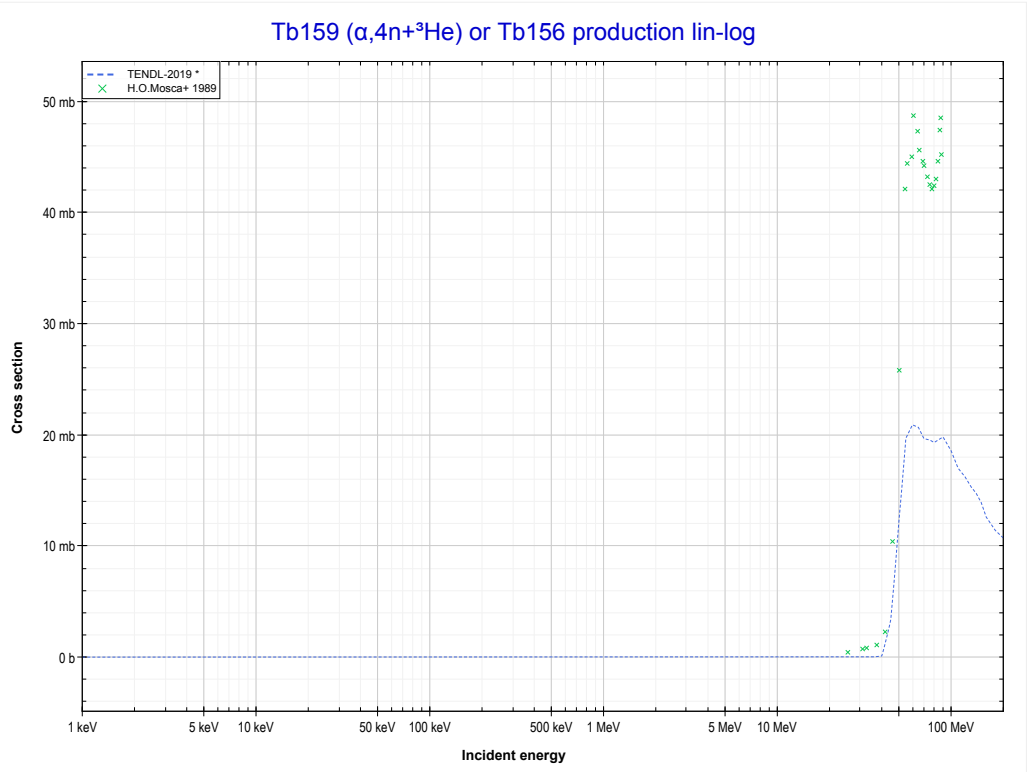
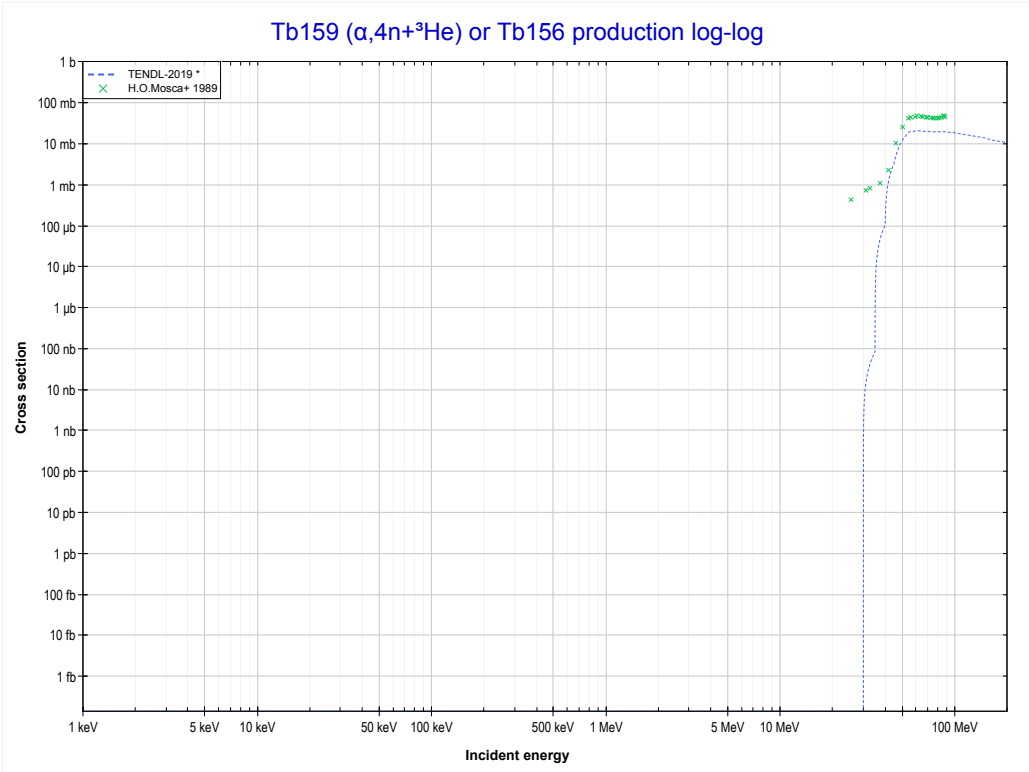
Reaction	Q-Value
Tb159(α,5n)Ho158	-41276.07 keV

<< 53-I-127	65-Tb-159	75-Re-185 >>
<< MT152 ($\alpha,5n$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Tb158 production)	MT178 ($\alpha,4n+^3\text{He}$) >>



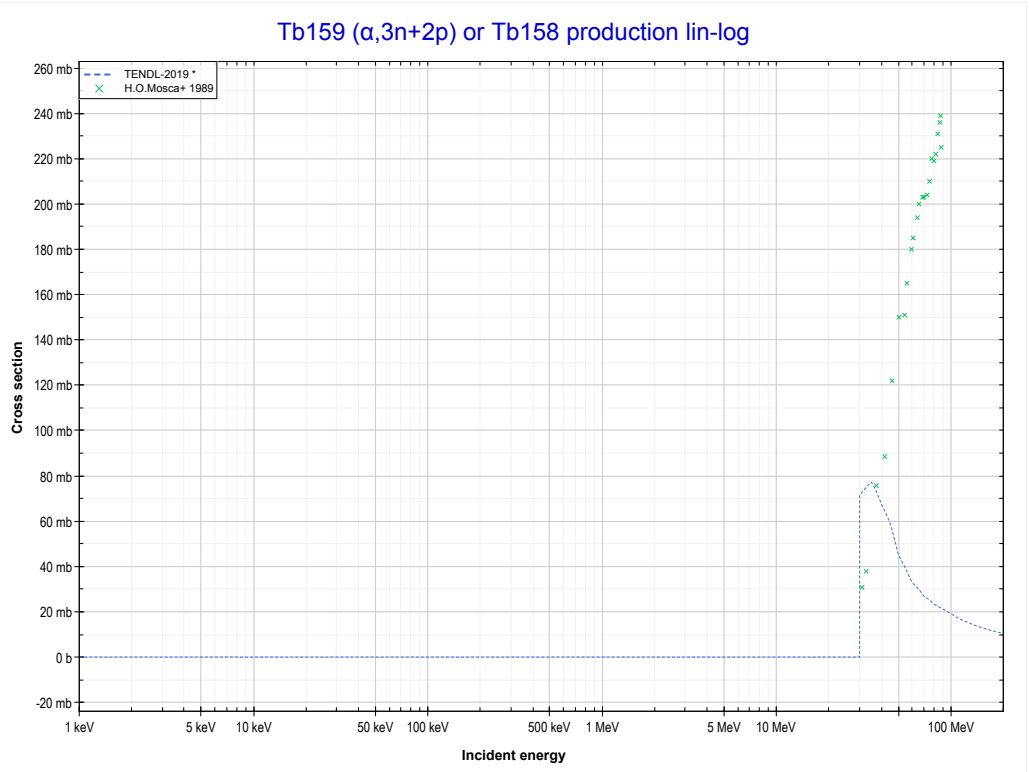
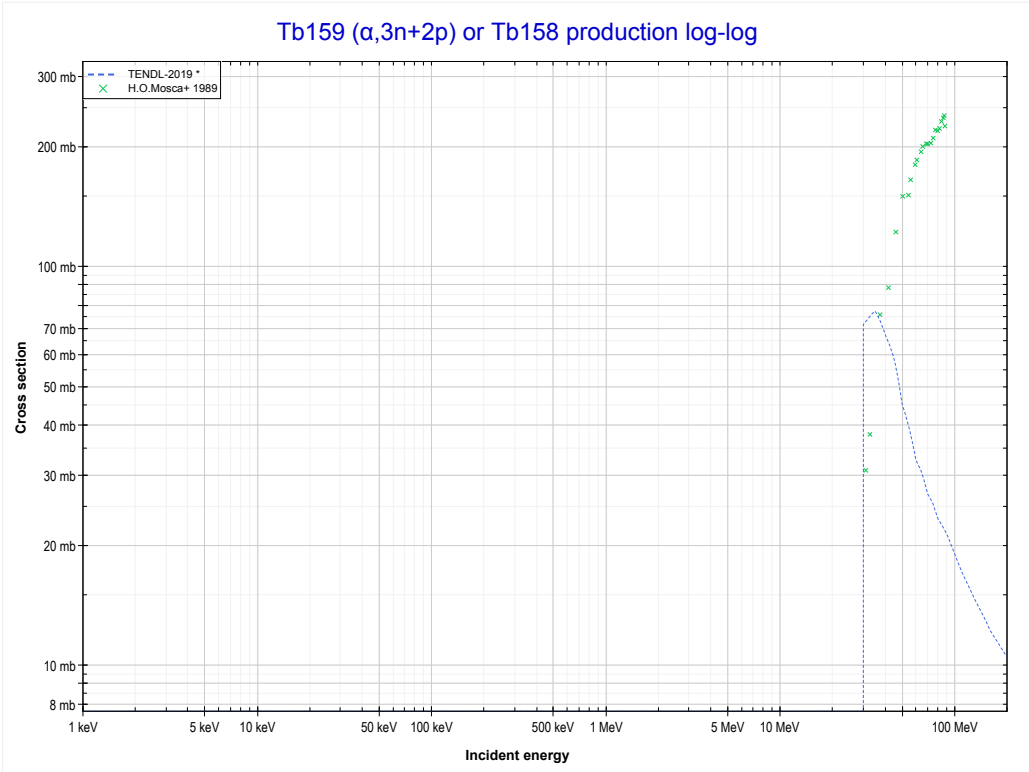
Reaction	Q-Value
Tb159($\alpha,n+\alpha$)Tb158	-8133.02 keV
Tb159($\alpha,d+t$)Tb158	-25722.32 keV
Tb159($\alpha,n+p+t$)Tb158	-27946.88 keV
Tb159($\alpha,2n+\text{He3}$)Tb158	-28710.64 keV
Tb159($\alpha,n+2d$)Tb158	-31979.54 keV
Tb159($\alpha,2n+p+d$)Tb158	-34204.11 keV
Tb159($\alpha,3n+2p$)Tb158	-36428.68 keV

<< 53-I-127	65-Tb-159	79-Au-197 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT178 ($\alpha,4n+^3\text{He}$) or MT5 (Tb156 production)	MT179 ($\alpha,3n+2p$) >>



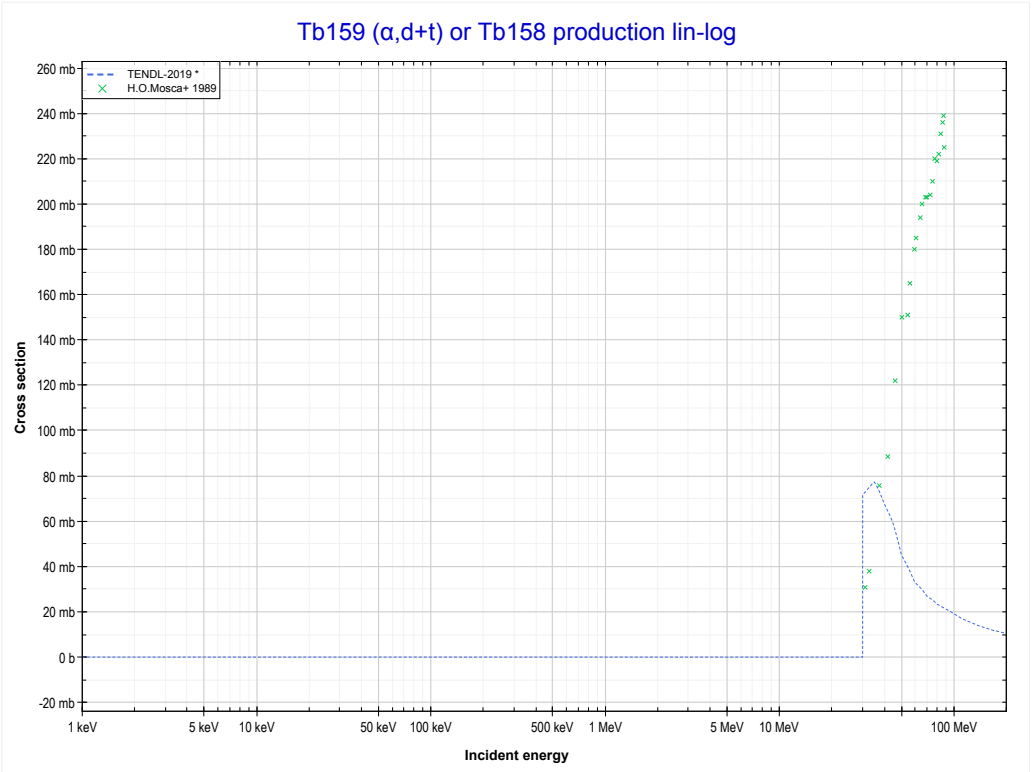
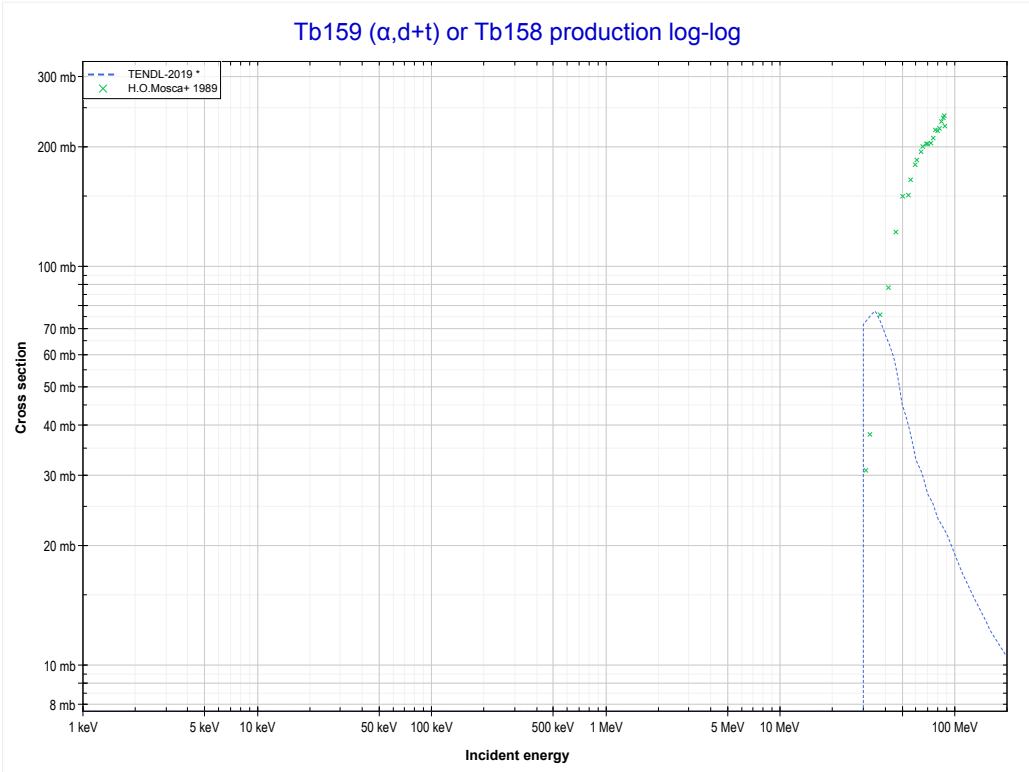
Reaction	Q-Value
Tb159($\alpha,3n+\alpha$)Tb156	-23655.35 keV
Tb159($\alpha,n+2t$)Tb156	-34987.42 keV
Tb159($\alpha,2n+d+t$)Tb156	-41244.65 keV
Tb159($\alpha,3n+p+t$)Tb156	-43469.22 keV
Tb159($\alpha,4n+\text{He3}$)Tb156	-44232.97 keV
Tb159($\alpha,3n+2d$)Tb156	-47501.88 keV
Tb159($\alpha,4n+p+d$)Tb156	-49726.45 keV
Tb159($\alpha,5n+2p$)Tb156	-51951.01 keV

<< 53-I-127	65-Tb-159	75-Re-185 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Tb158 production)	MT182 ($\alpha,d+t$) >>



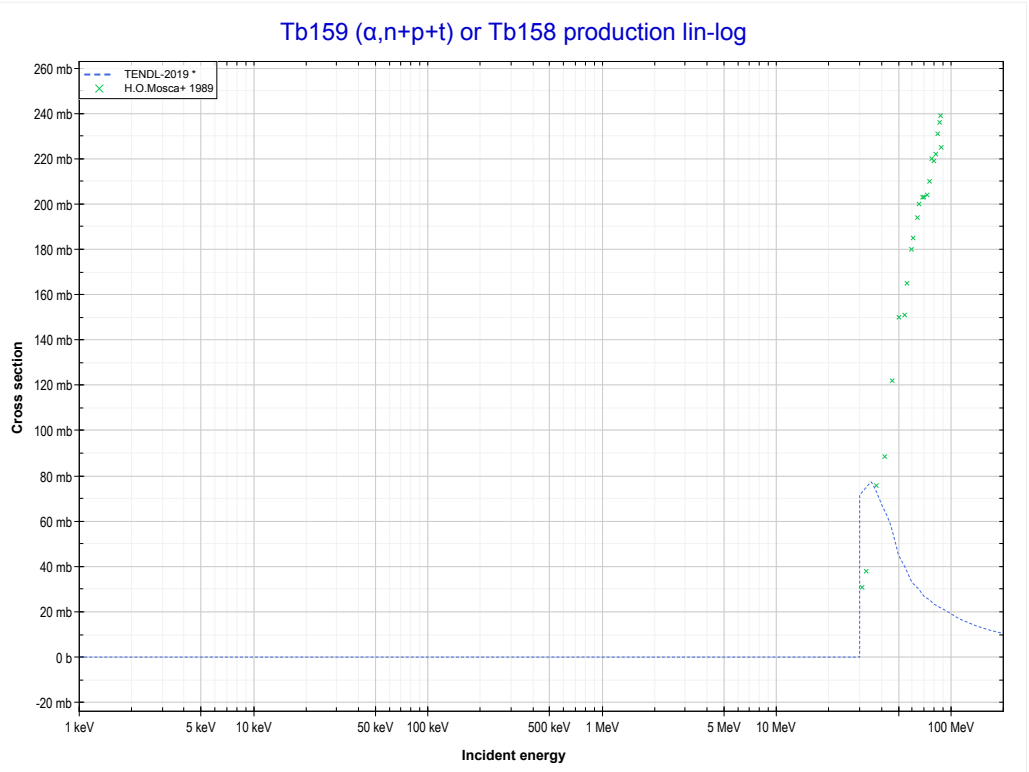
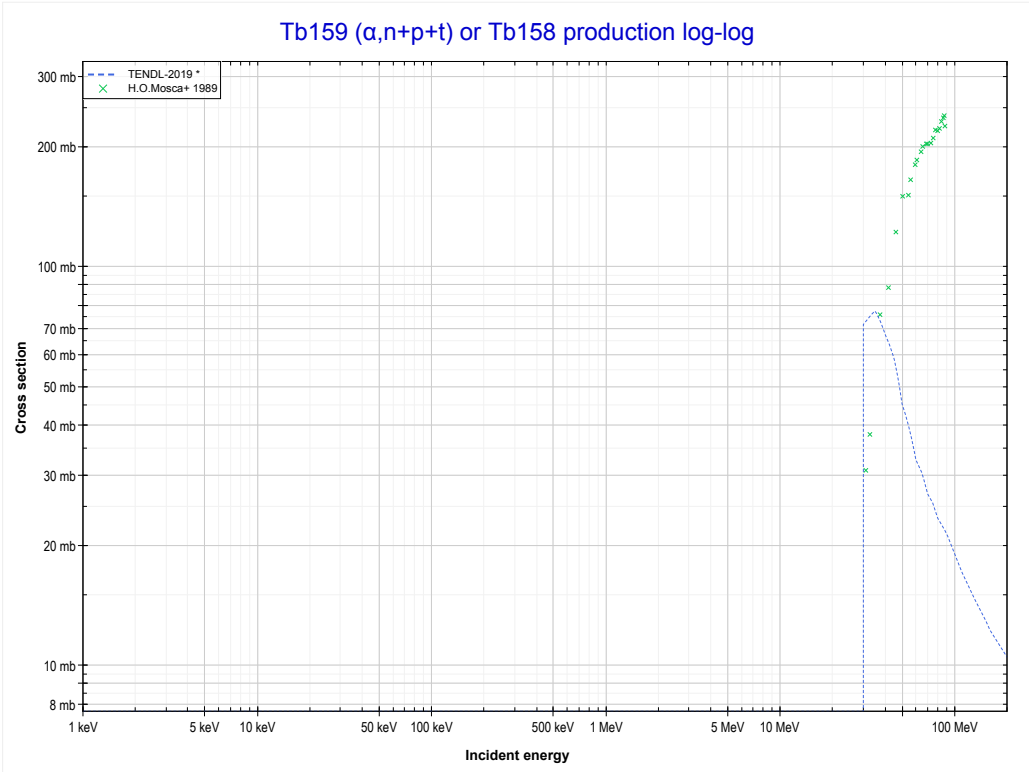
Reaction	Q-Value
Tb159($\alpha,n+\alpha$)Tb158	-8133.02 keV
Tb159($\alpha,d+t$)Tb158	-25722.32 keV
Tb159($\alpha,n+p+t$)Tb158	-27946.88 keV
Tb159($\alpha,2n+\text{He3}$)Tb158	-28710.64 keV
Tb159($\alpha,n+2d$)Tb158	-31979.54 keV
Tb159($\alpha,2n+p+d$)Tb158	-34204.11 keV
Tb159($\alpha,3n+2p$)Tb158	-36428.68 keV

<< 53-I-127	65-Tb-159	75-Re-185 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Tb158 production)	MT184 ($\alpha,n+p+t$) >>



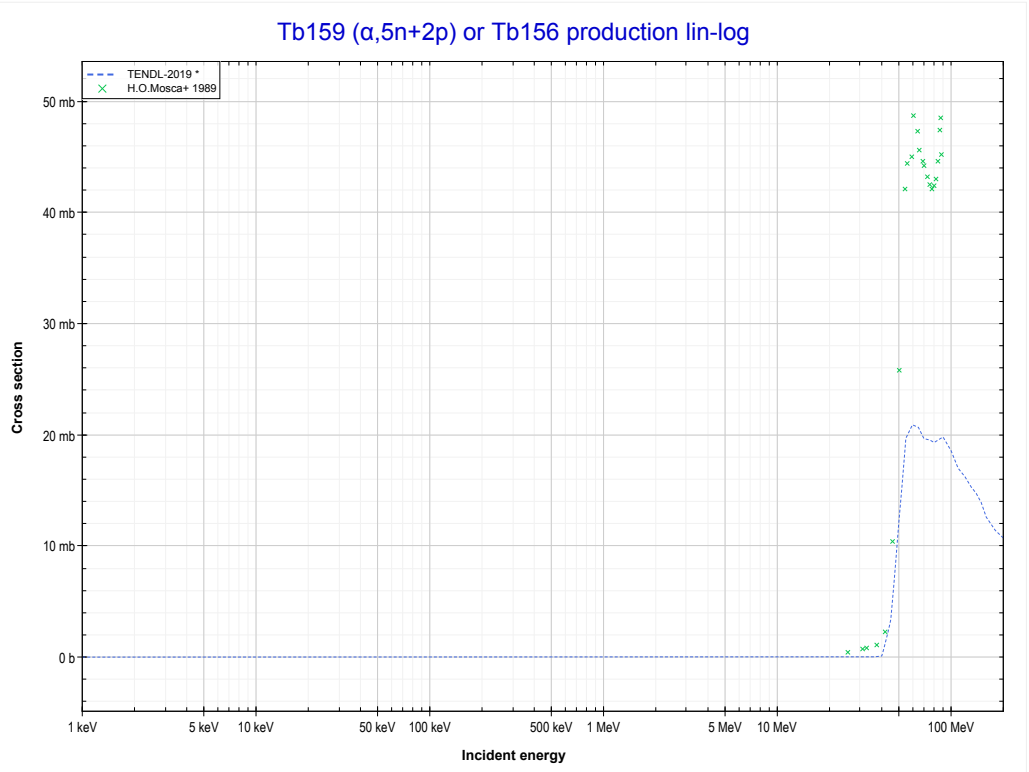
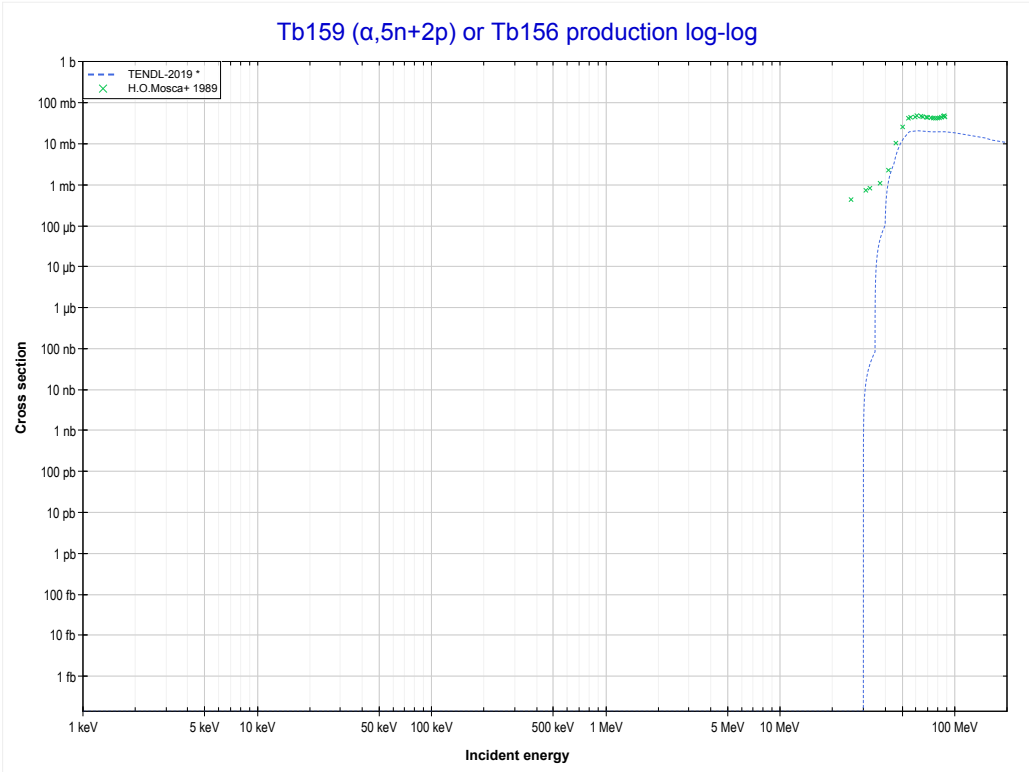
Reaction	Q-Value
Tb159($\alpha,n+\alpha$)Tb158	-8133.02 keV
Tb159($\alpha,d+t$)Tb158	-25722.32 keV
Tb159($\alpha,n+p+t$)Tb158	-27946.88 keV
Tb159($\alpha,2n+He3$)Tb158	-28710.64 keV
Tb159($\alpha,n+2d$)Tb158	-31979.54 keV
Tb159($\alpha,2n+p+d$)Tb158	-34204.11 keV
Tb159($\alpha,3n+2p$)Tb158	-36428.68 keV

<< 53-I-127	65-Tb-159	75-Re-185 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Tb158 production)	MT200 (α,5n+2p) >>



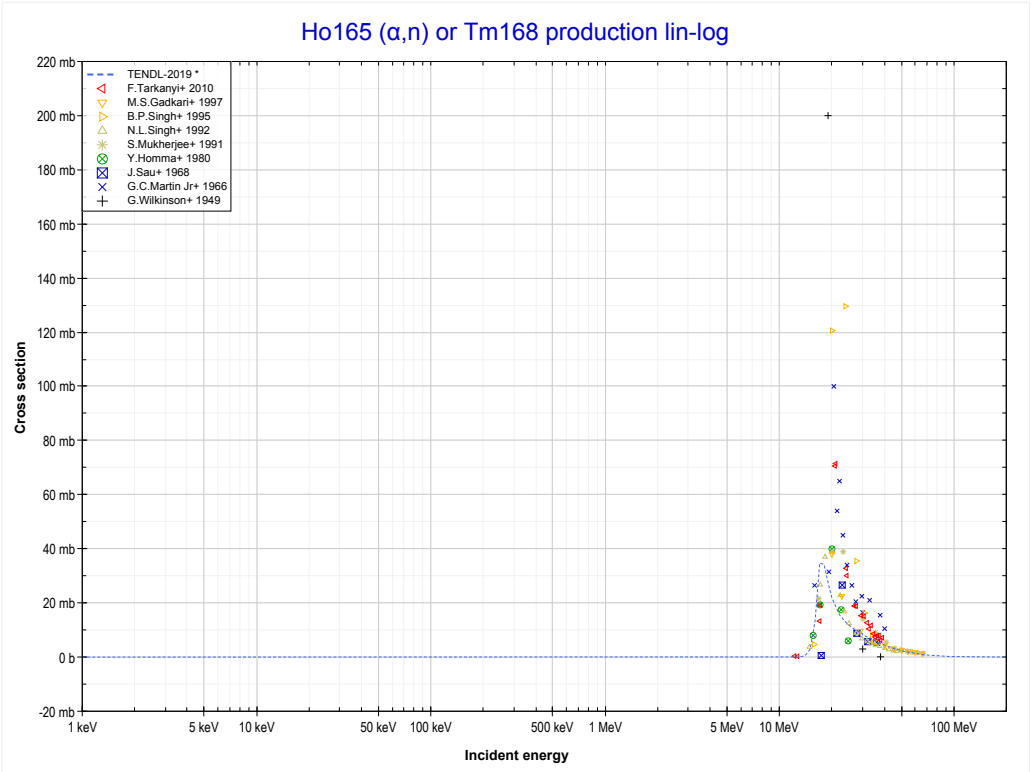
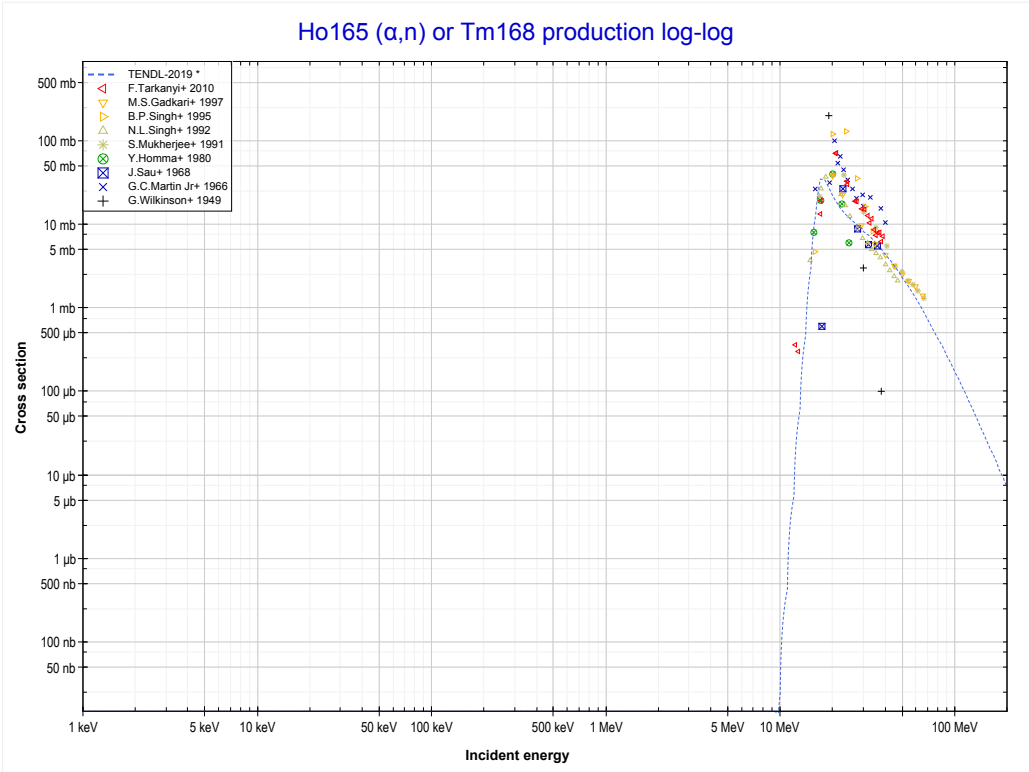
Reaction	Q-Value
Tb159(α,n+α)Tb158	-8133.02 keV
Tb159(α,d+t)Tb158	-25722.32 keV
Tb159(α,n+p+t)Tb158	-27946.88 keV
Tb159(α,2n+He3)Tb158	-28710.64 keV
Tb159(α,n+2d)Tb158	-31979.54 keV
Tb159(α,2n+p+d)Tb158	-34204.11 keV
Tb159(α,3n+2p)Tb158	-36428.68 keV

<< 53-I-127	65-Tb-159	79-Au-197 >>
<< MT184 (α,n+p+t)	MT200 (α,5n+2p) or MT5 (Tb156 production)	67-Ho-165 MT4 (α,n) >>



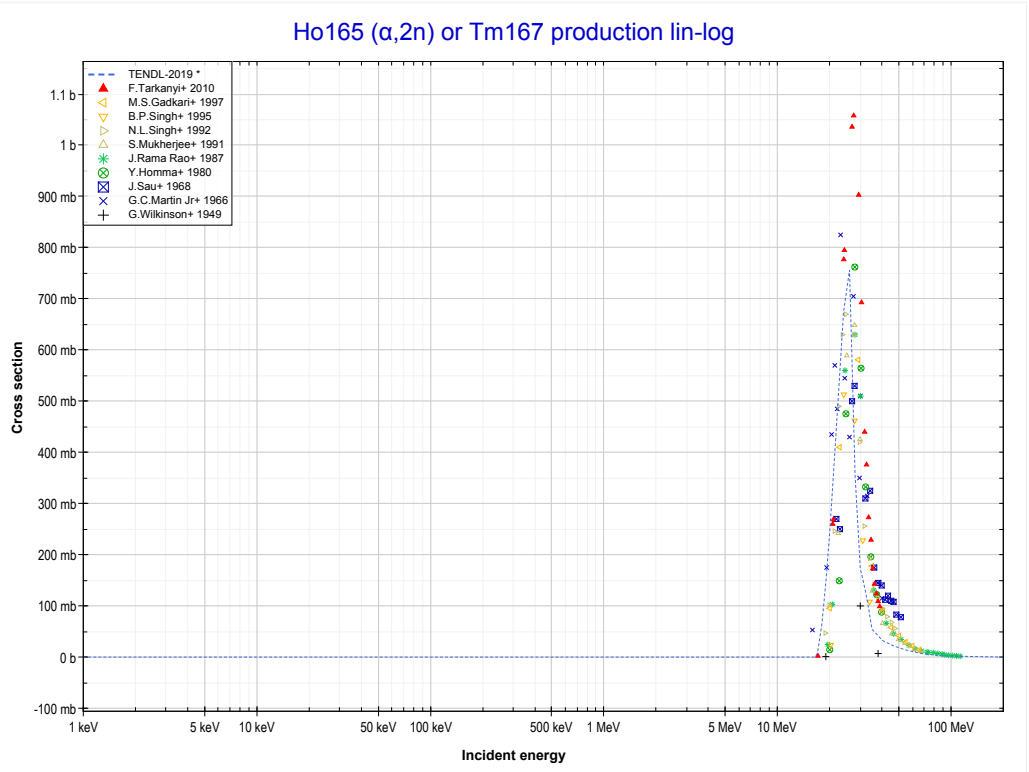
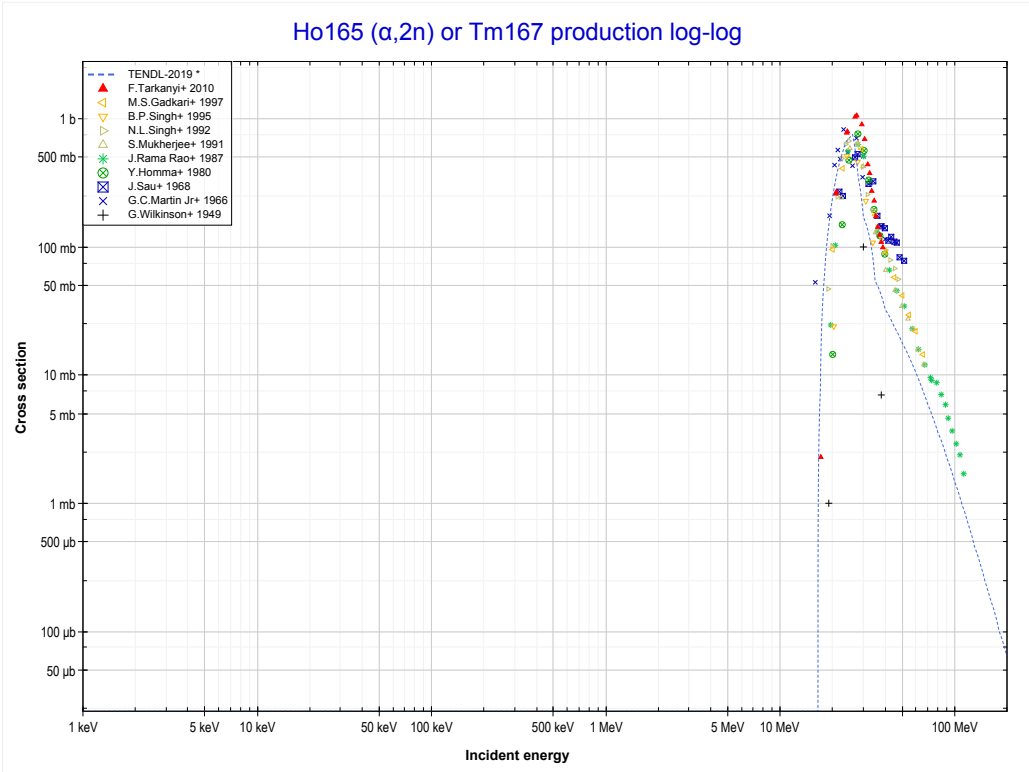
Reaction	Q-Value
Tb159(α,3n+α)Tb156	-23655.35 keV
Tb159(α,n+2t)Tb156	-34987.42 keV
Tb159(α,2n+d+t)Tb156	-41244.65 keV
Tb159(α,3n+p+t)Tb156	-43469.22 keV
Tb159(α,4n+He3)Tb156	-44232.97 keV
Tb159(α,3n+2d)Tb156	-47501.88 keV
Tb159(α,4n+p+d)Tb156	-49726.45 keV
Tb159(α,5n+2p)Tb156	-51951.01 keV

<< 65-Tb-159	67-Ho-165	68-Er-164 >>
<< 65-Tb-159 MT200 ($\alpha,5n+2p$)	MT4 (α,n) or MT5 (Tm168 production)	MT16 ($\alpha,2n$) >>



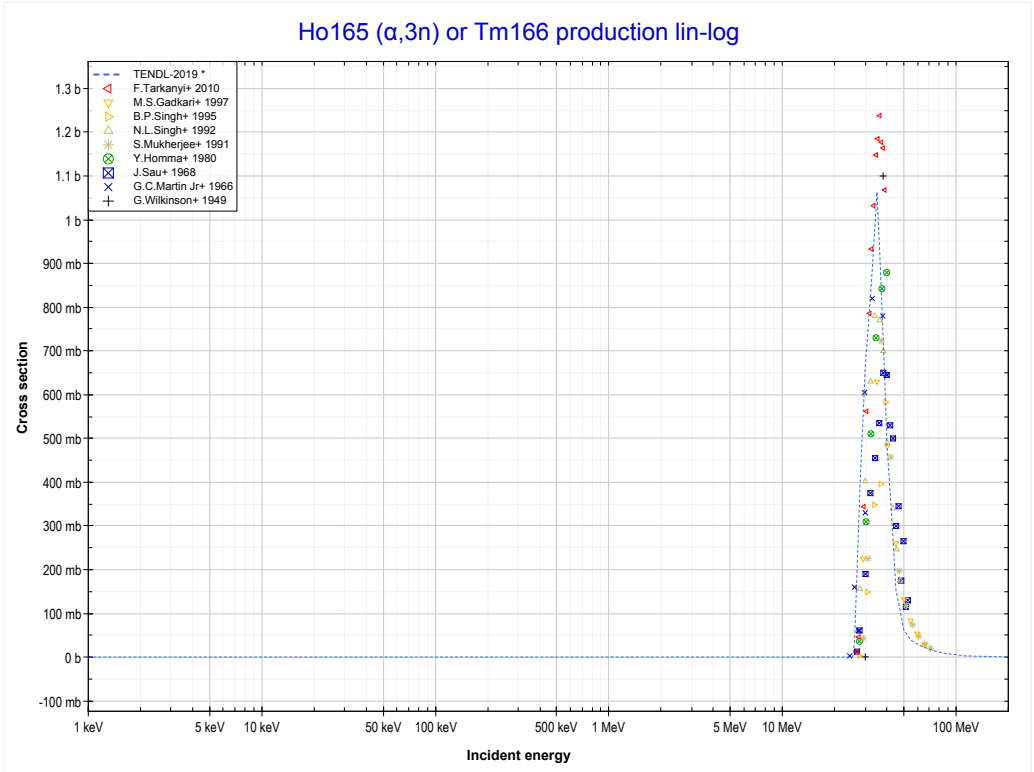
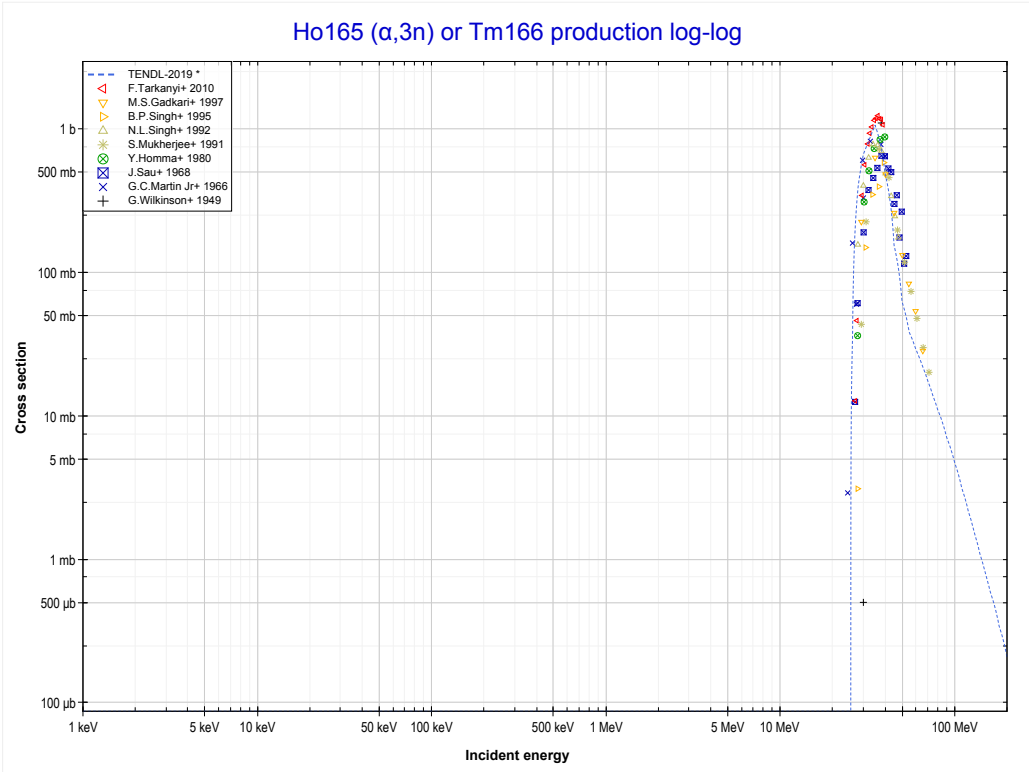
Reaction	Q-Value
Ho165(α,n)Tm168	-9232.50 keV

<< 65-Tb-159	67-Ho-165	68-Er-164 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Tm167 production)	MT17 (α,3n) >>



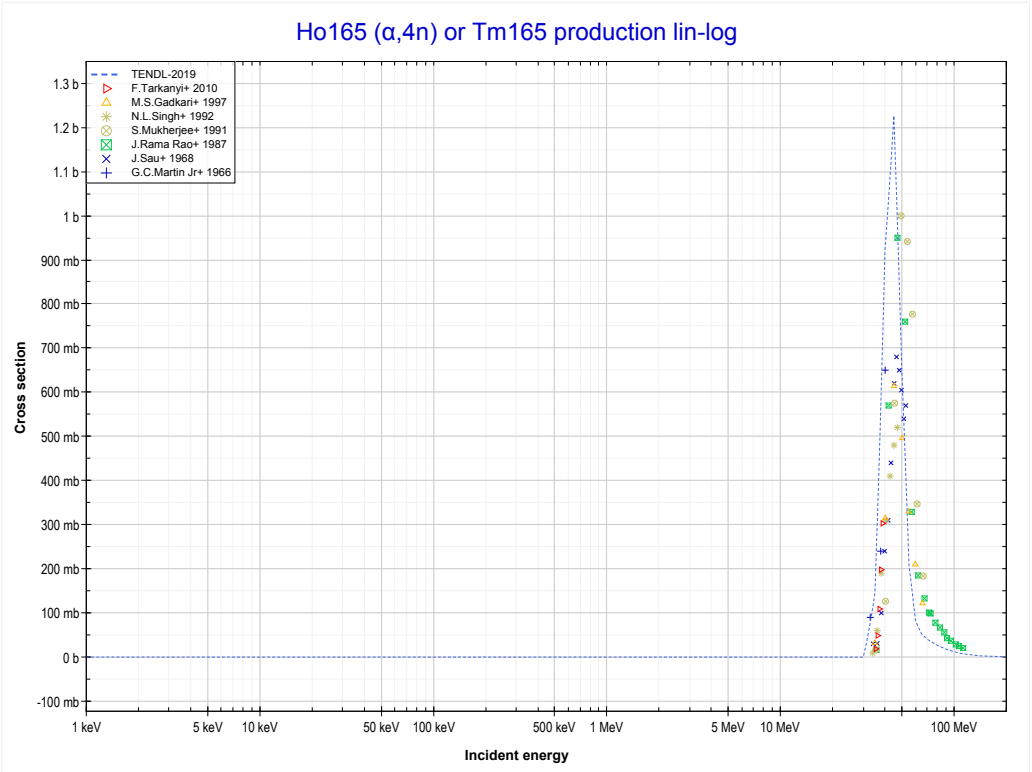
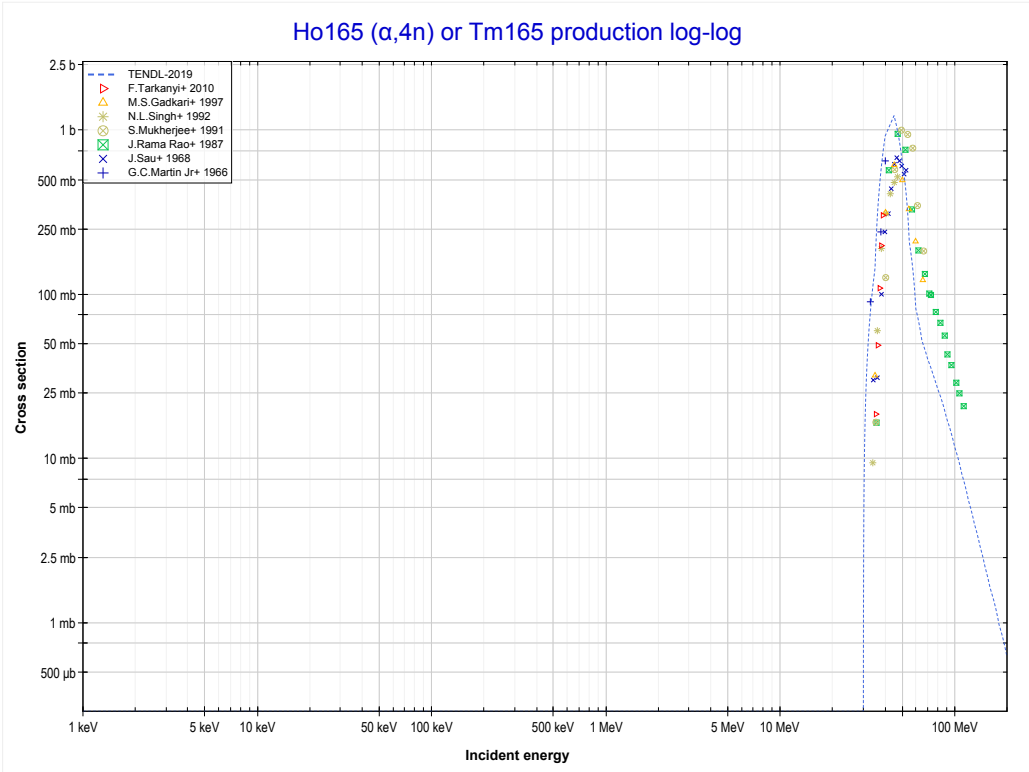
Reaction	Q-Value
Ho165(α,2n)Tm167	-16073.12 keV

<< 65-Tb-159	67-Ho-165	68-Er-164 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Tm166 production)	MT37 ($\alpha,4n$) >>



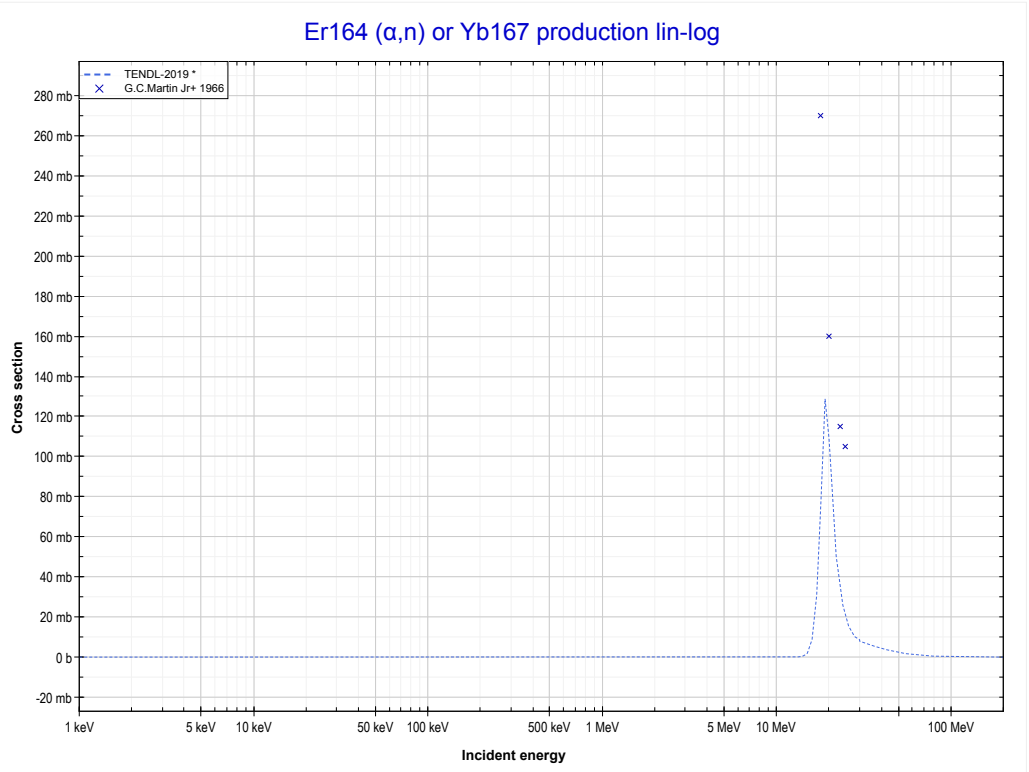
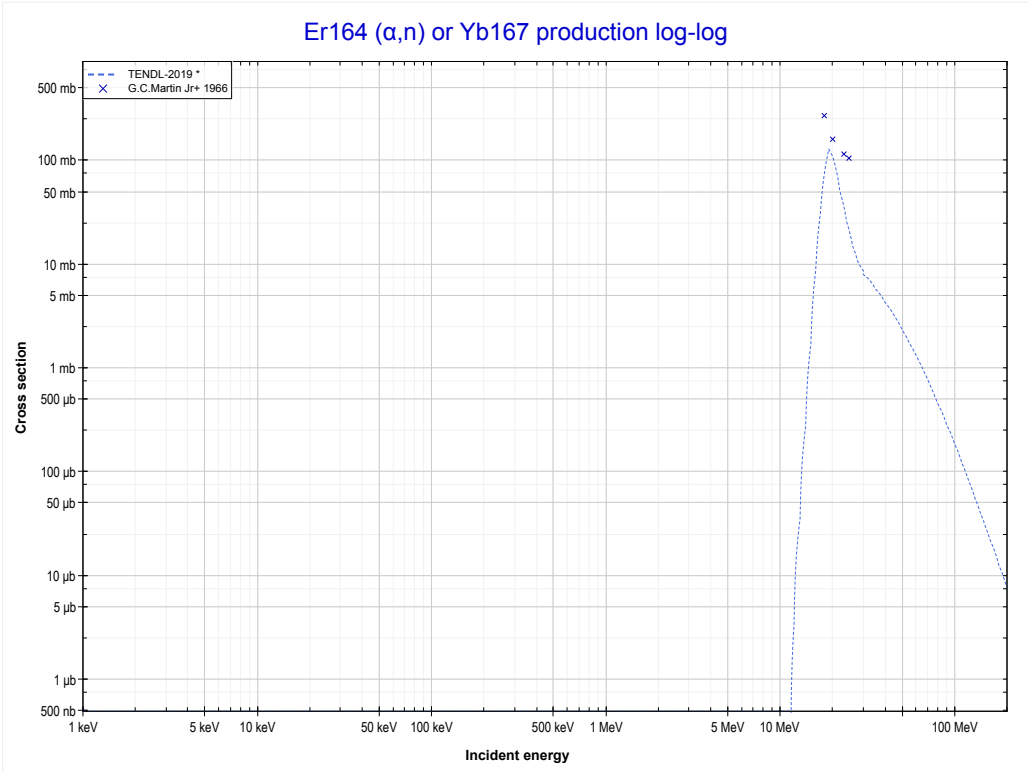
Reaction	Q-Value
Ho165($\alpha,3n$)Tm166	-24800.04 keV

<< 65-Tb-159	67-Ho-165	68-Er-166 >>
<< MT17 (α,3n)	MT37 (α,4n) or MT5 (Tm165 production)	68-Er-164 MT4 (α,n) >>



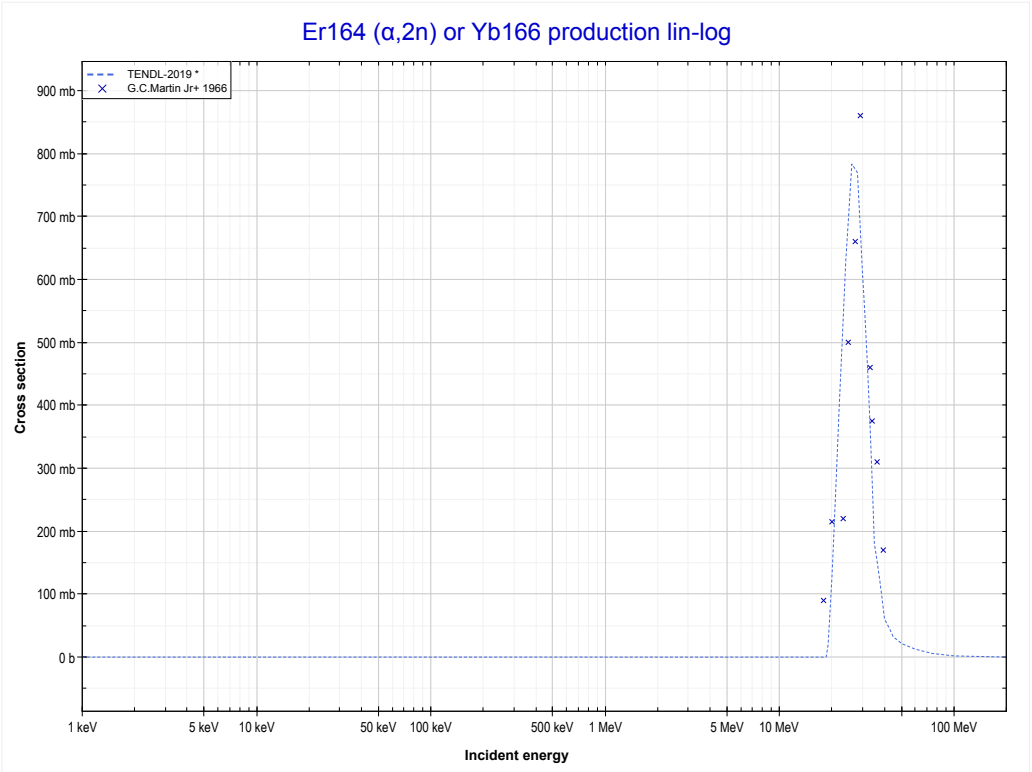
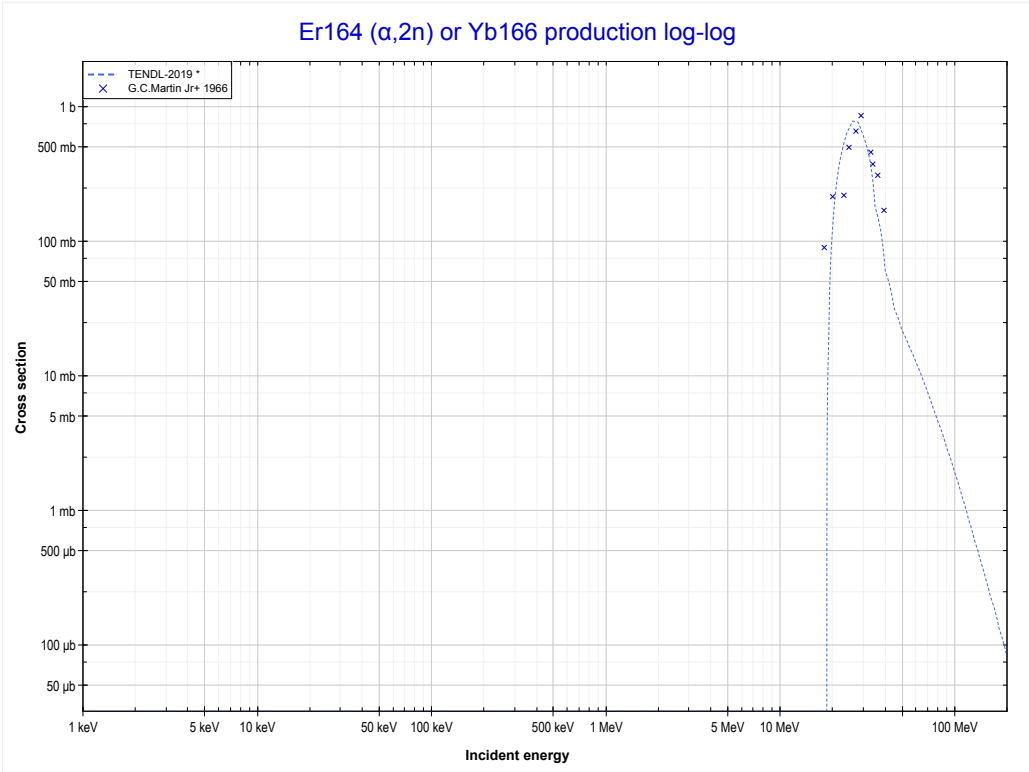
Reaction	Q-Value
Ho165(α,4n)Tm165	-31829.75 keV

<< 67-Ho-165	68-Er-164	69-Tm-169 >>
<< 67-Ho-165 MT37 ($\alpha,4n$)	MT4 (α,n) or MT5 (Yb167 production)	MT16 ($\alpha,2n$) >>



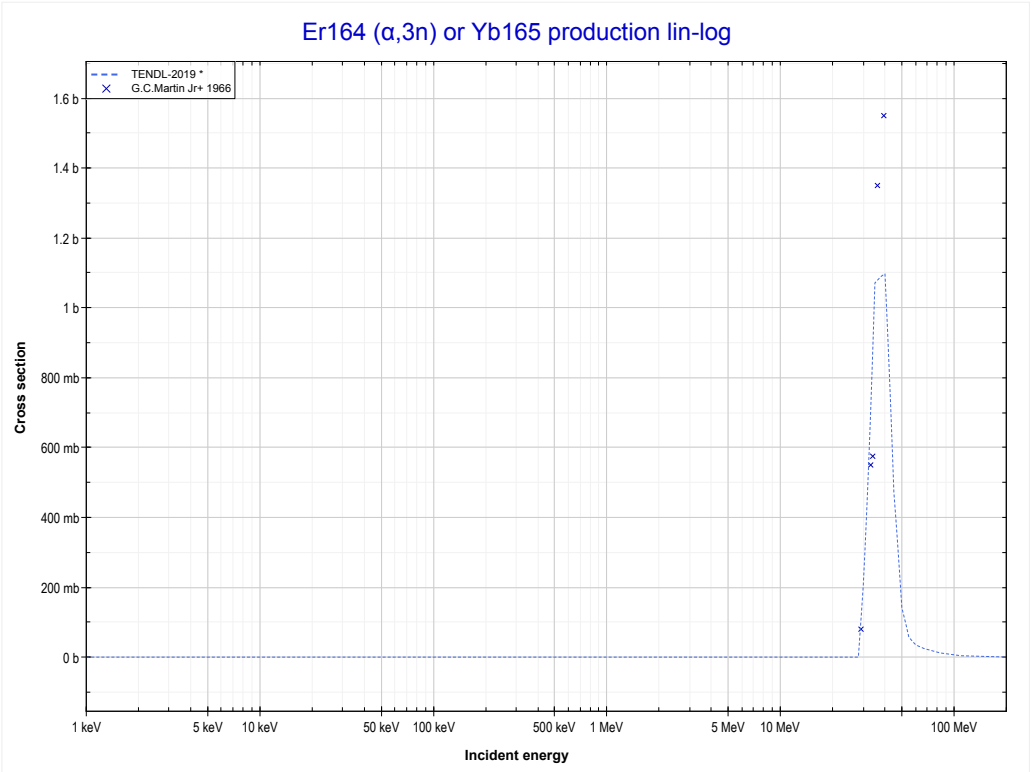
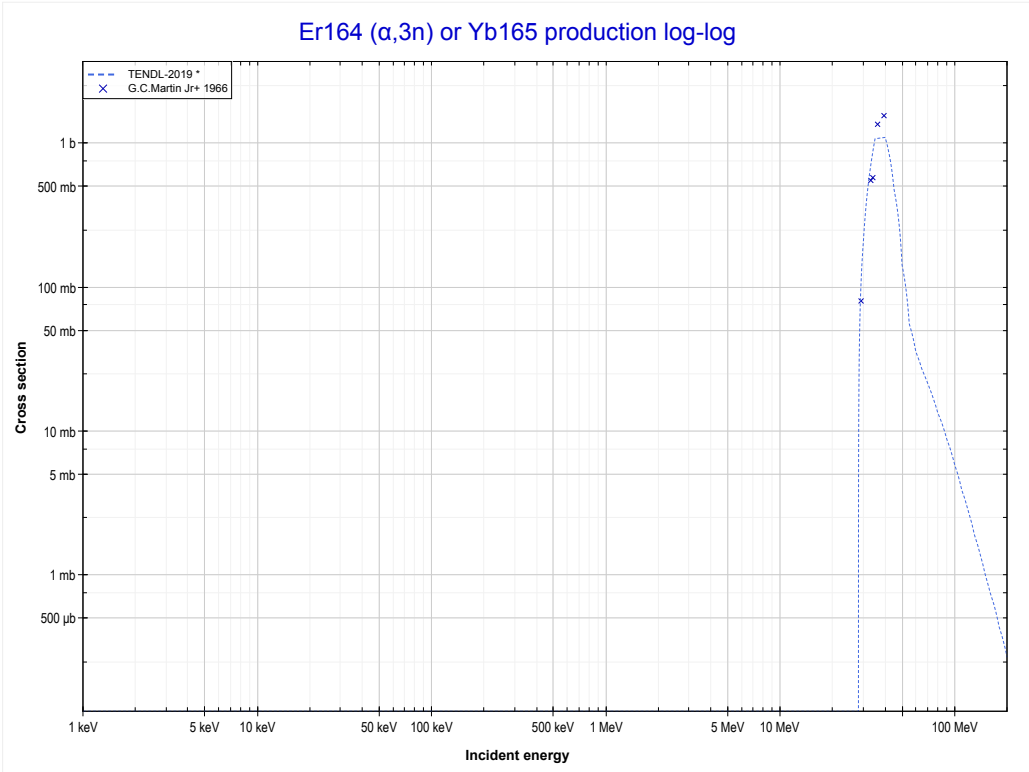
Reaction	Q-Value
Er164(α,n)Yb167	-10998.30 keV

<< 67-Ho-165	68-Er-164	69-Tm-169 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Yb166 production)	MT17 (α,3n) >>



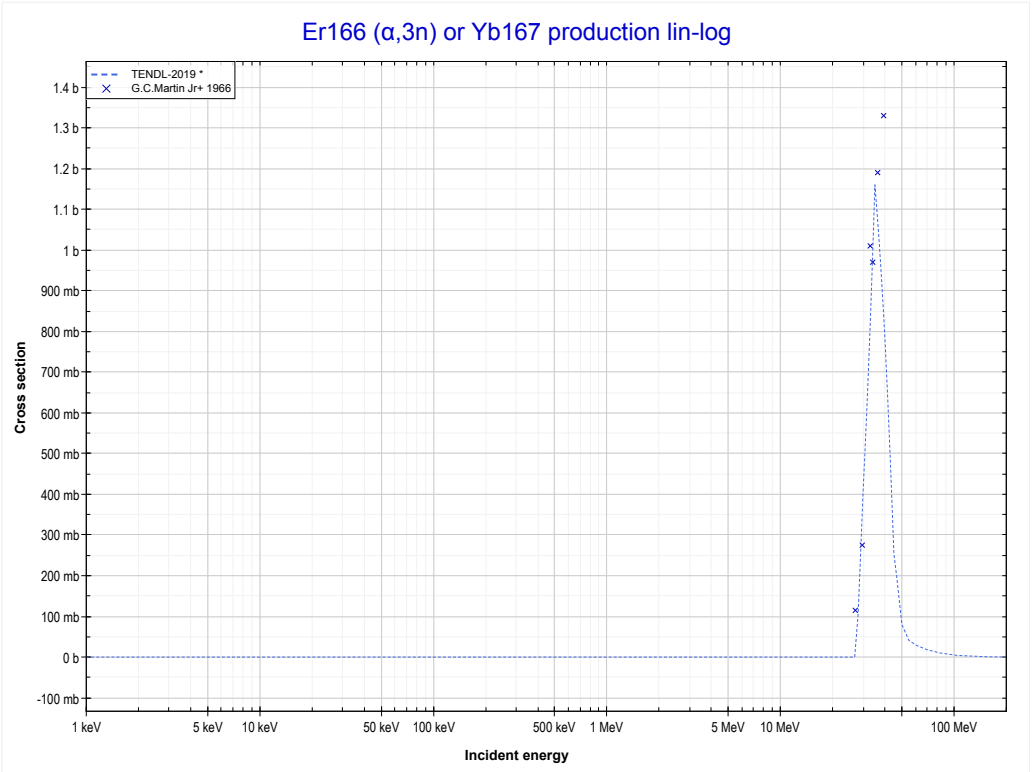
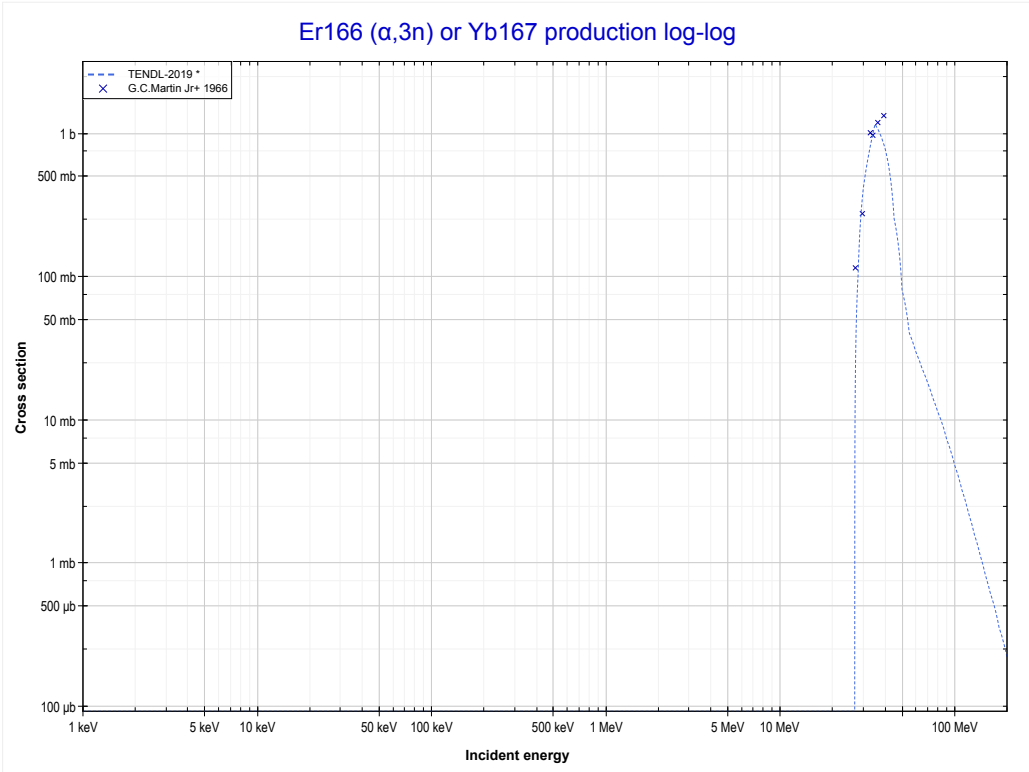
Reaction	Q-Value
Er164(α,2n)Yb166	-18064.62 keV

<< 67-Ho-165	68-Er-164	68-Er-166 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Yb165 production)	68-Er-166 MT17 ($\alpha,3n$) >>



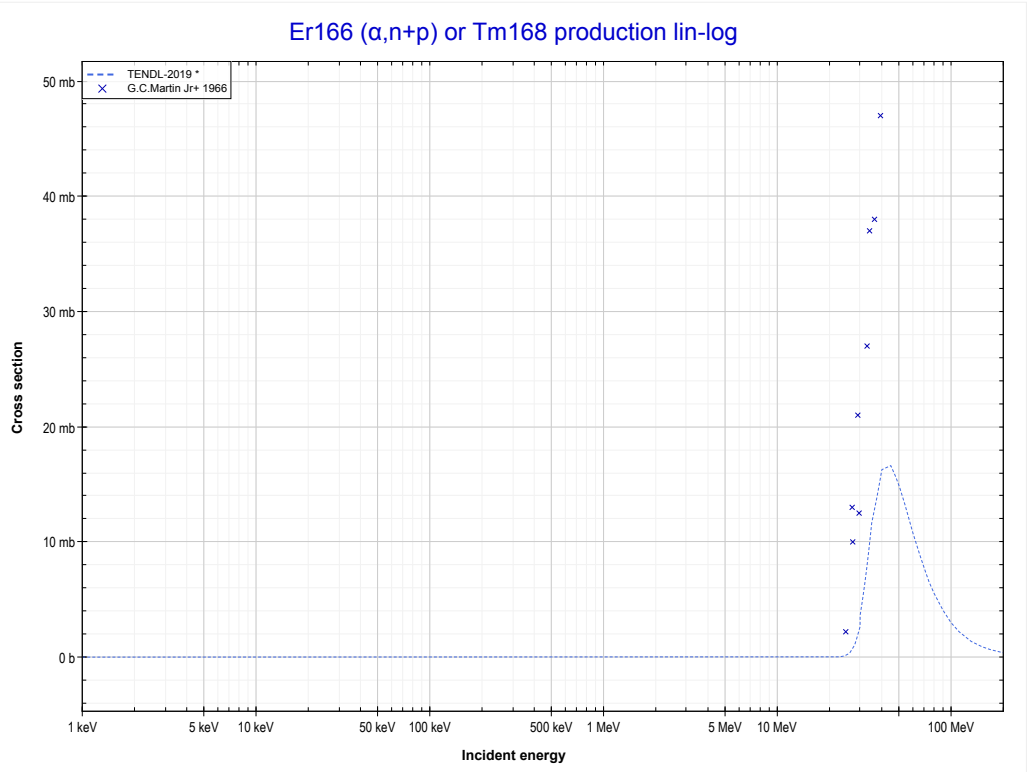
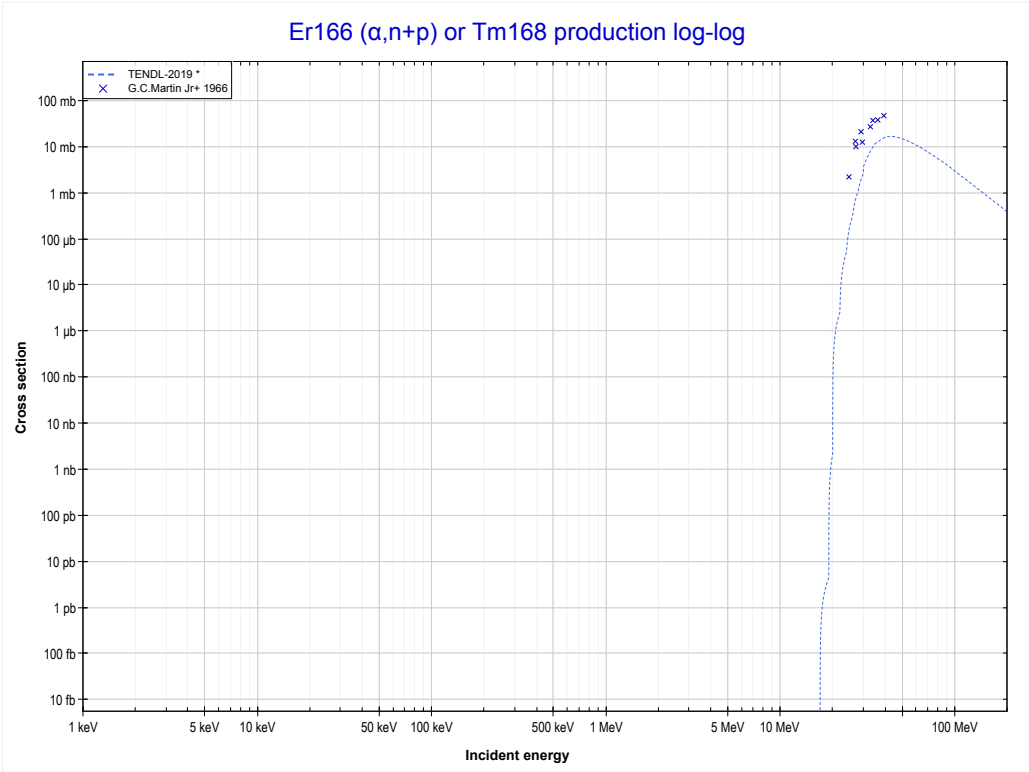
Reaction	Q-Value
Er164($\alpha,3n$)Yb165	-27436.94 keV

<< 68-Er-164	68-Er-166	69-Tm-169 >>
<< 68-Er-164 MT17 (α,3n)	MT17 (α,3n) or MT5 (Yb167 production)	MT28 (α,n+p) >>



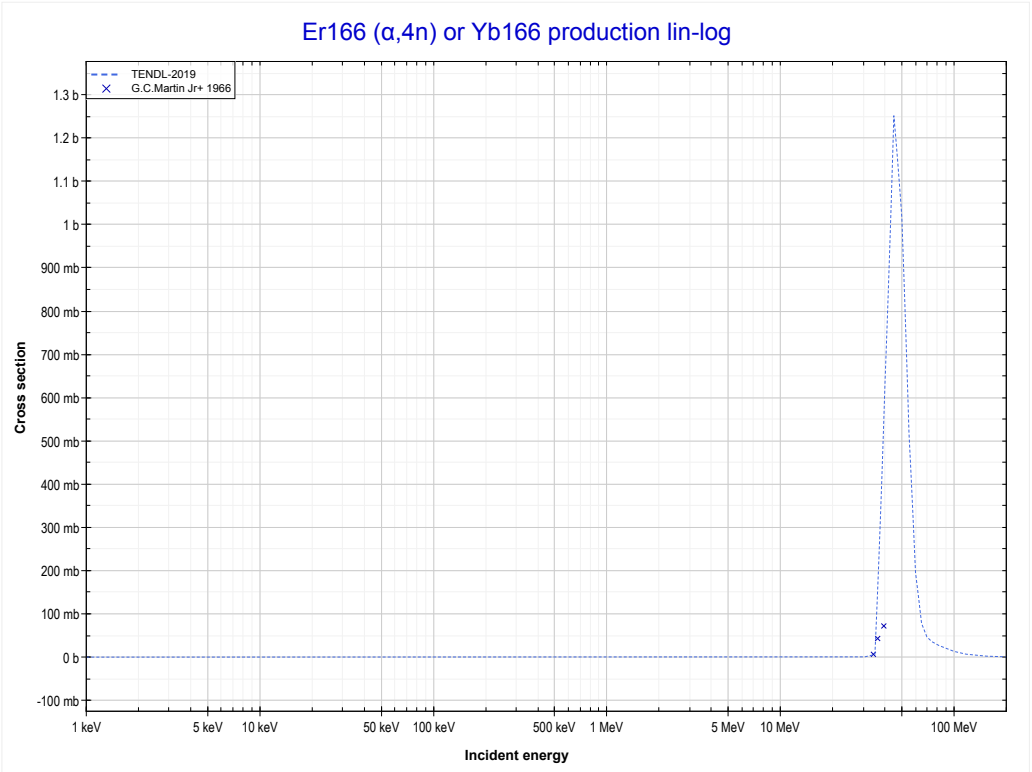
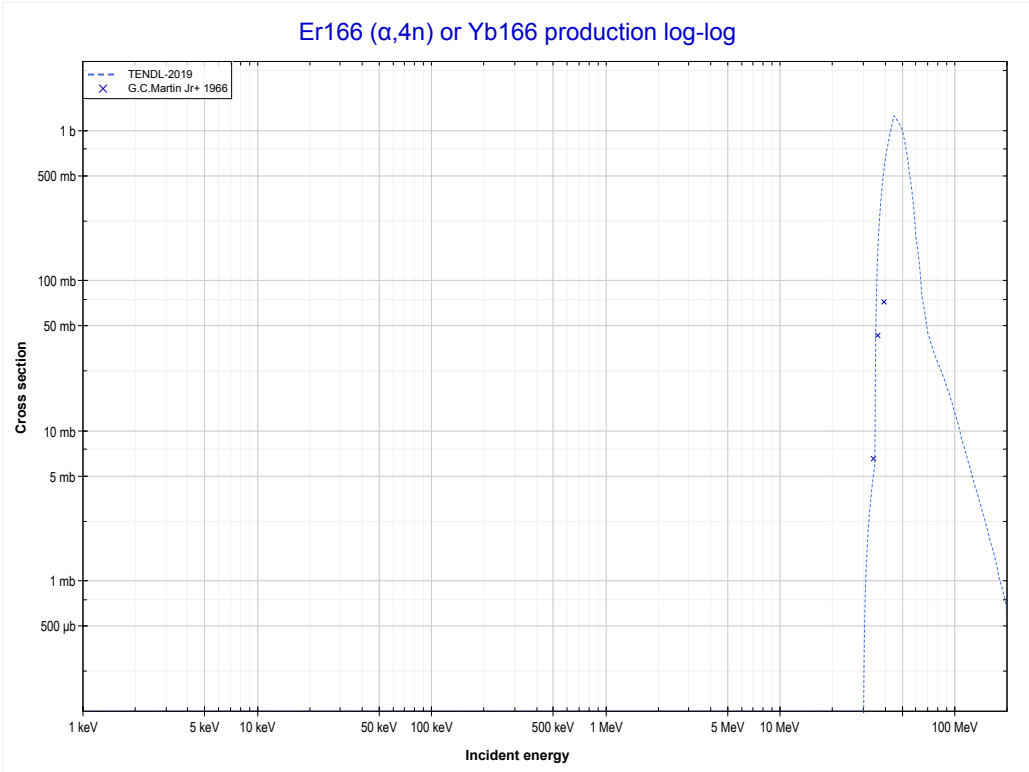
Reaction	Q-Value
Er166(α,3n)Yb167	-26124.04 keV

<< 57-La-139	68-Er-166	74-W-186 >>
<< MT17 (α,3n)	MT28 (α,n+p) or MT5 (Tm168 production)	MT37 (α,4n) >>



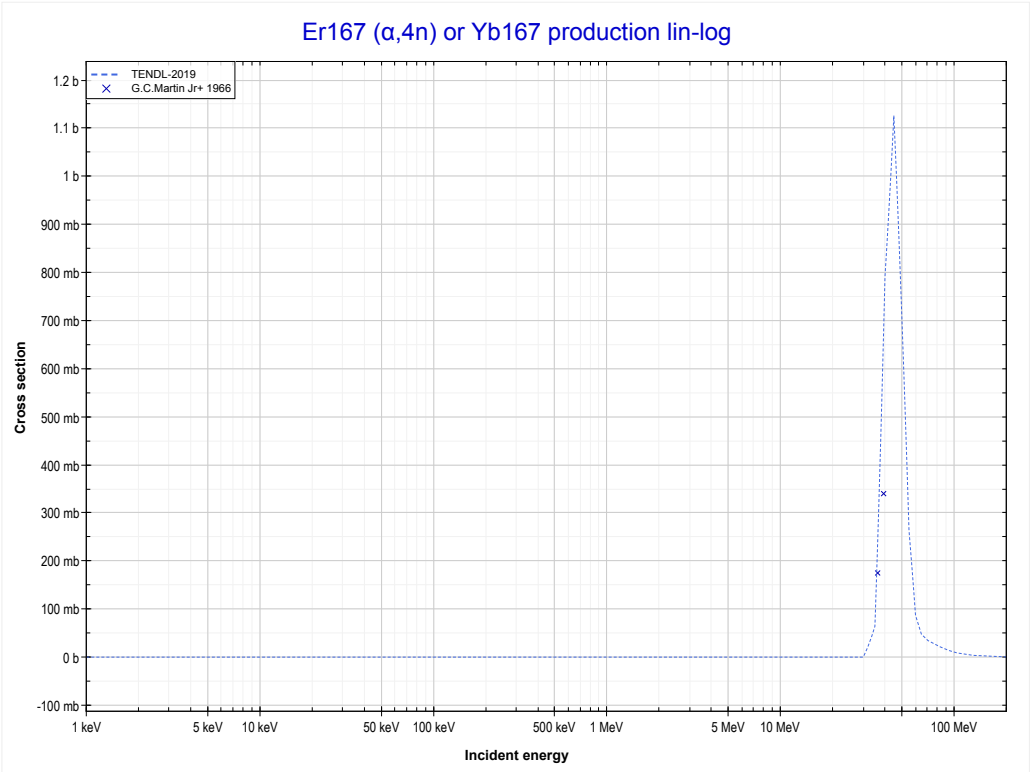
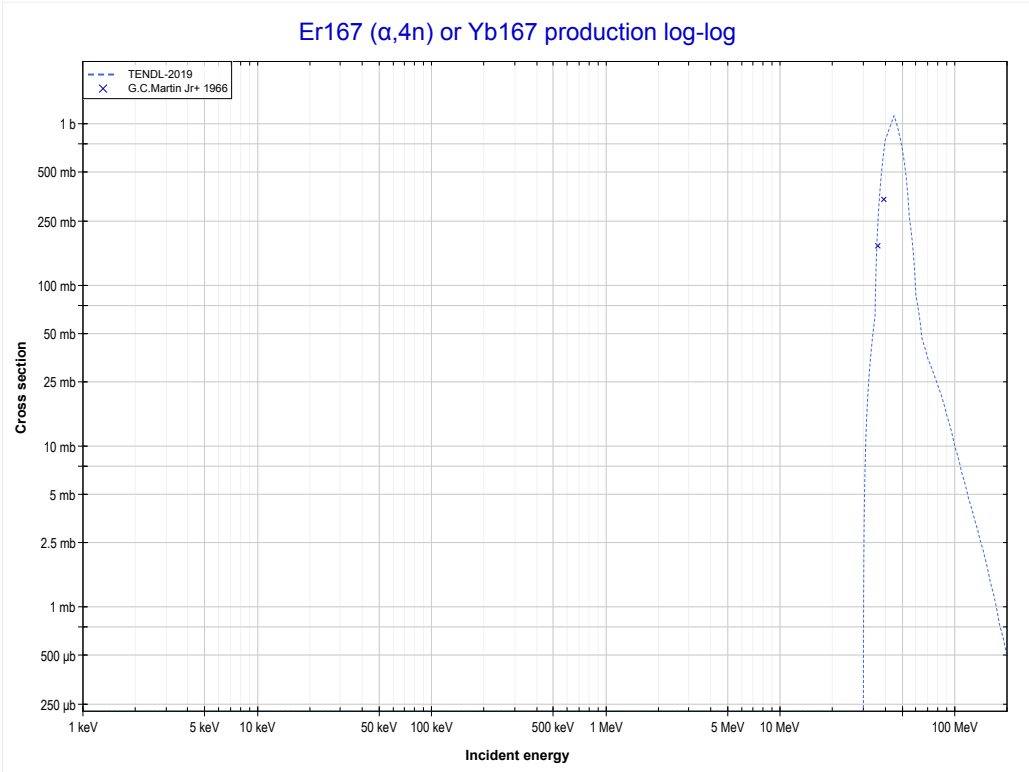
Reaction	Q-Value
Er166(α,d)Tm168	-14323.91 keV
Er166(α,n+p)Tm168	-16548.47 keV

<< 67-Ho-165	68-Er-166	68-Er-167 >>
<< MT28 (α,n+p)	MT37 (α,4n) or MT5 (Yb166 production)	68-Er-167 MT37 (α,4n) >>



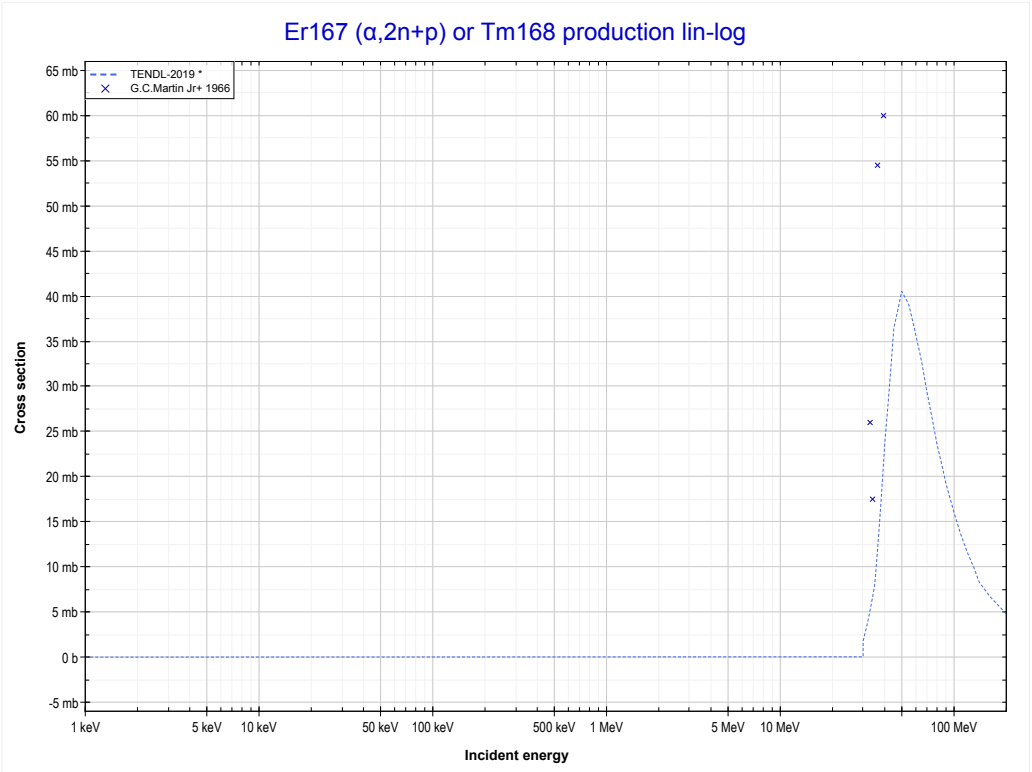
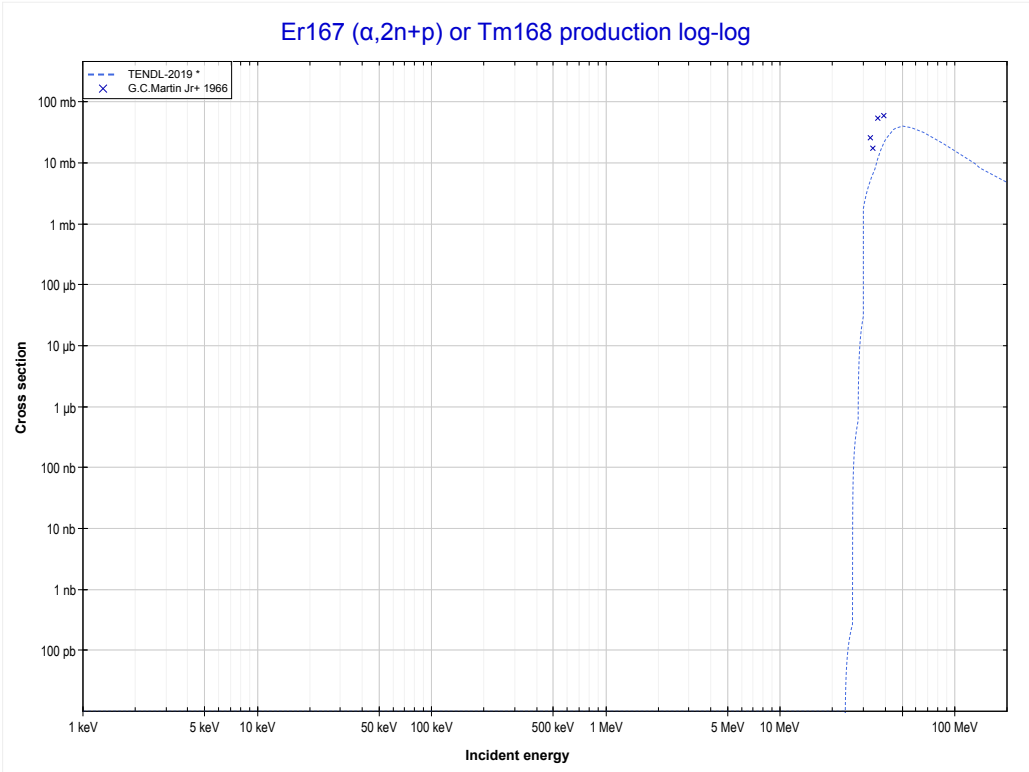
Reaction	Q-Value
Er166(α,4n)Yb166	-33190.35 keV

<< 68-Er-166	68-Er-167	69-Tm-169 >>
<< 68-Er-166 MT37 (α,4n)	MT37 (α,4n) or MT5 (Yb167 production)	MT41 (α,2n+p) >>



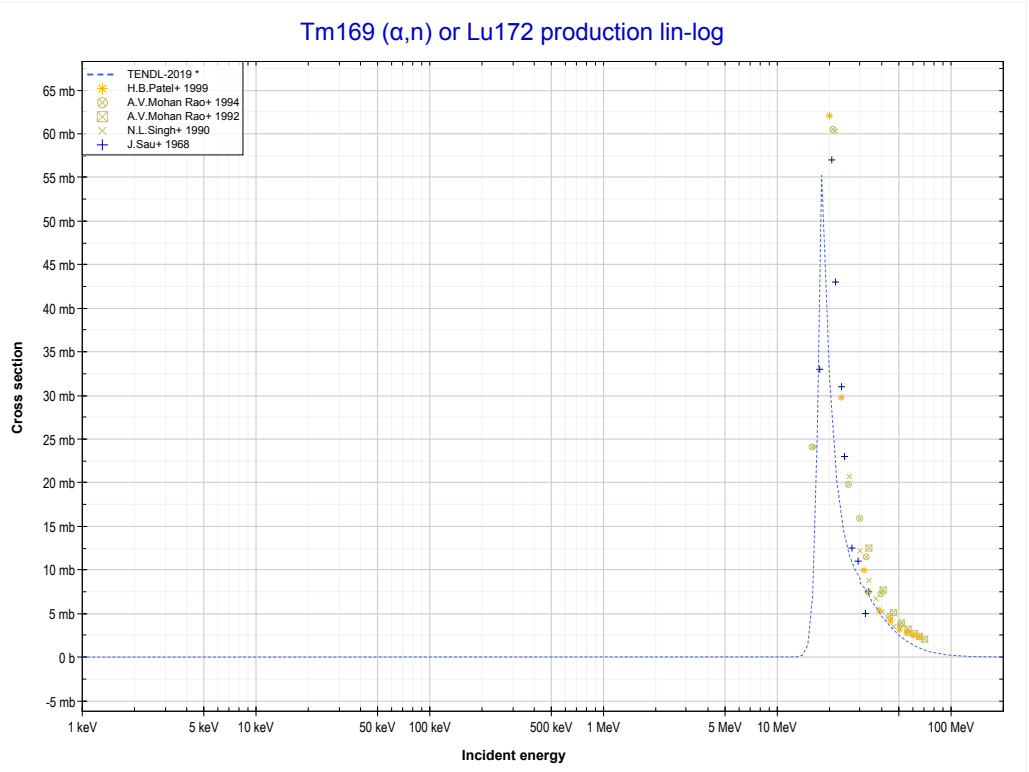
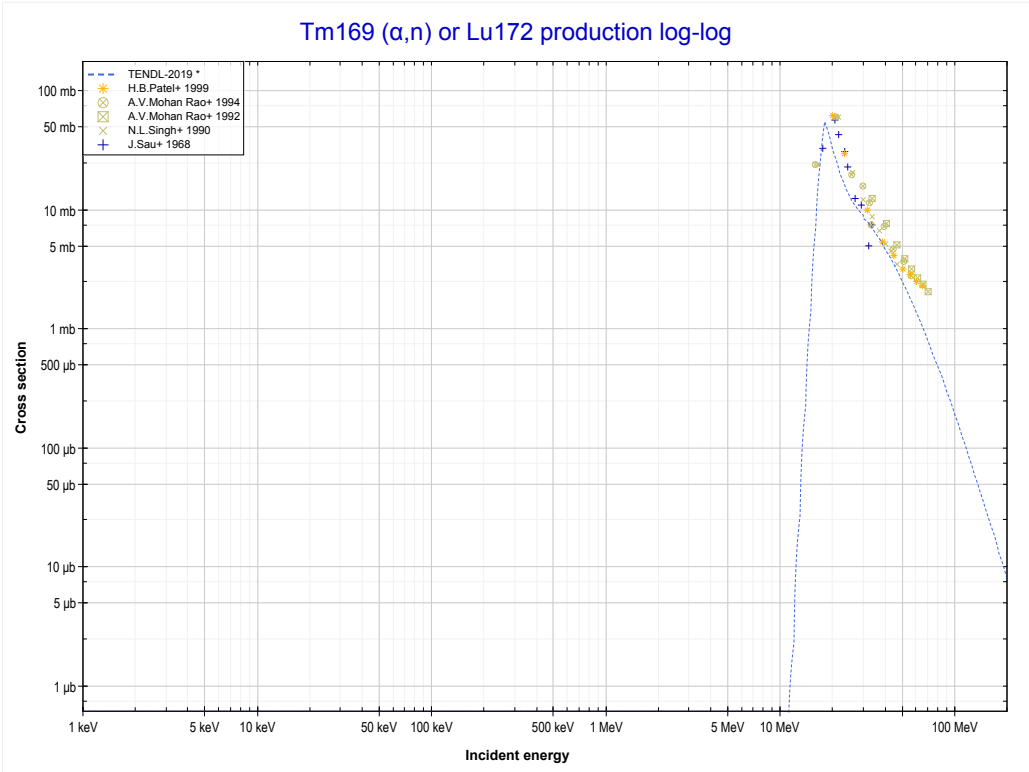
Reaction	Q-Value
Er167(α,4n)Yb167	-32560.55 keV

<< 48-Cd-116	68-Er-167	92-U-233 >>
<< MT37 ($\alpha,4n$)	MT41 ($\alpha,2n+p$) or MT5 (Tm168 production)	69-Tm-169 MT4 (α,n) >>



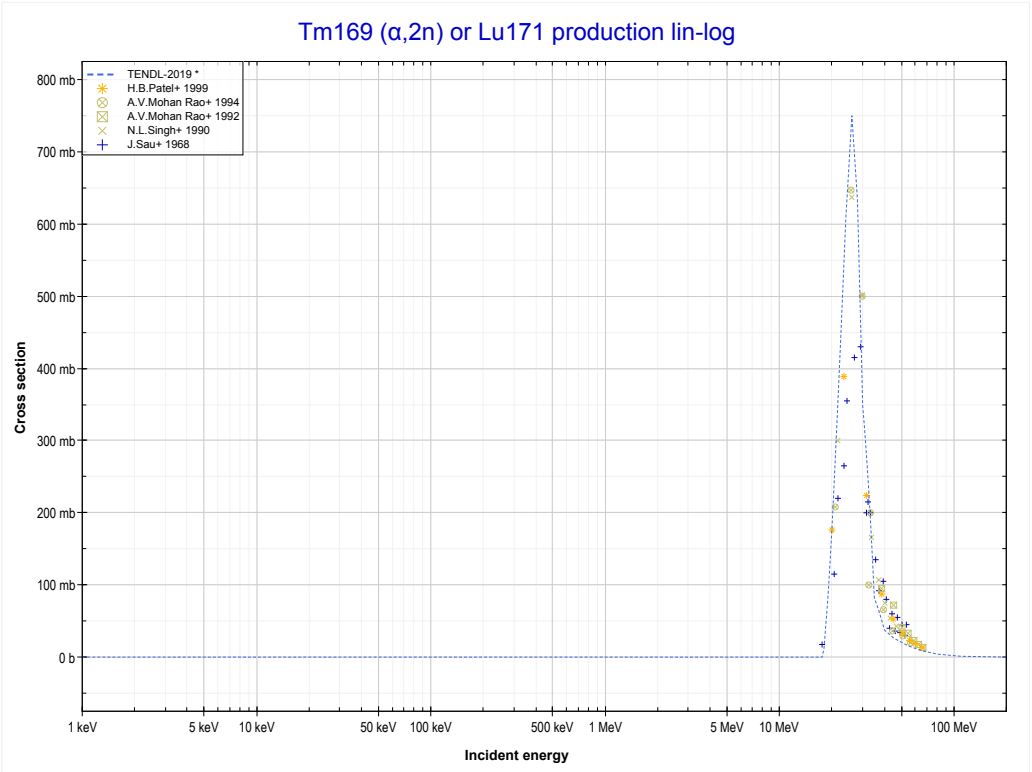
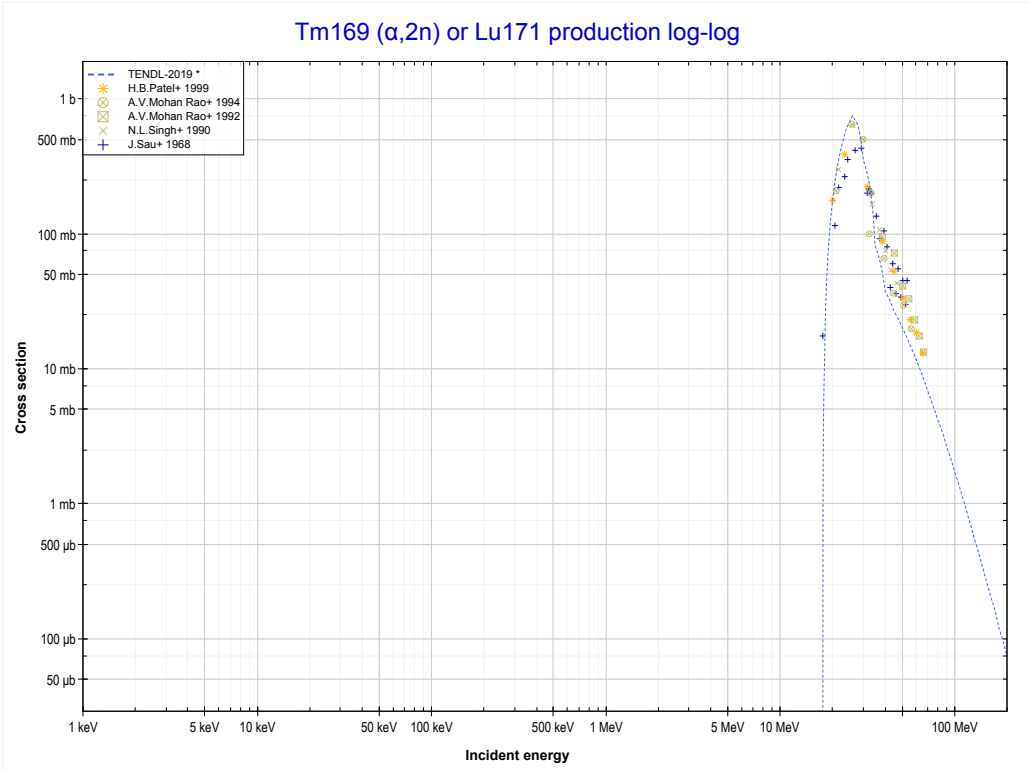
Reaction	Q-Value
Er167(α,t)Tm168	-14503.19 keV
Er167($\alpha,n+d$)Tm168	-20760.42 keV
Er167($\alpha,2n+p$)Tm168	-22984.99 keV

<< 68-Er-164	69-Tm-169	70-Yb-176 >>
<< 68-Er-167 MT41 (α,2n+p)	MT4 (α,n) or MT5 (Lu172 production)	MT16 (α,2n) >>



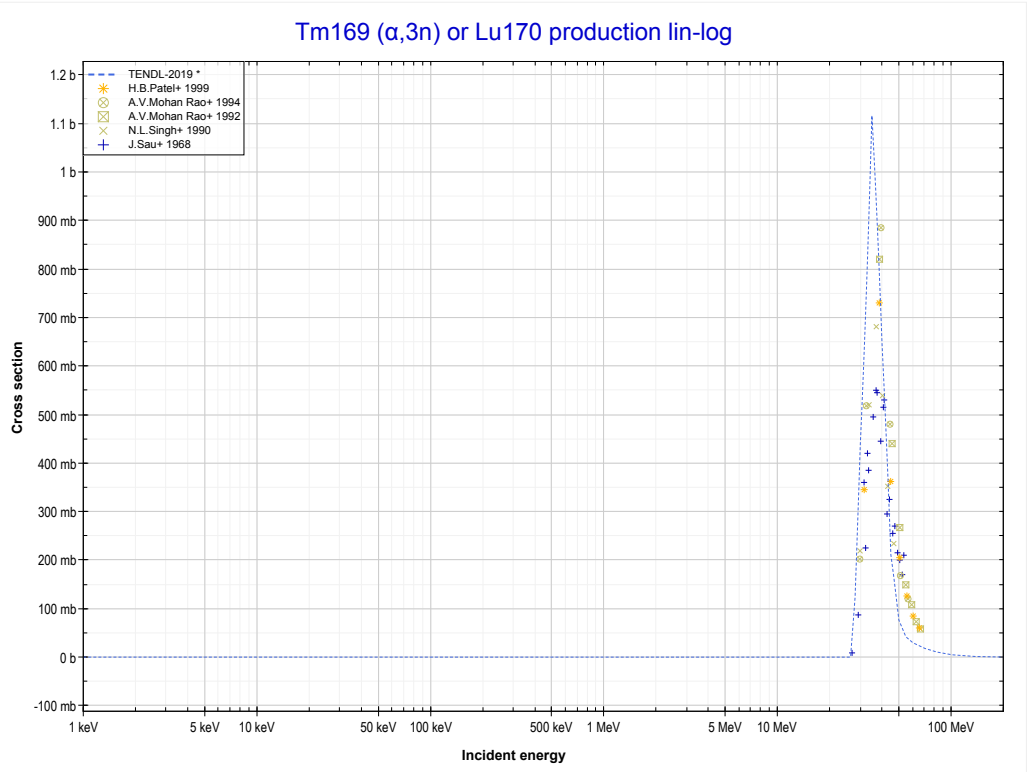
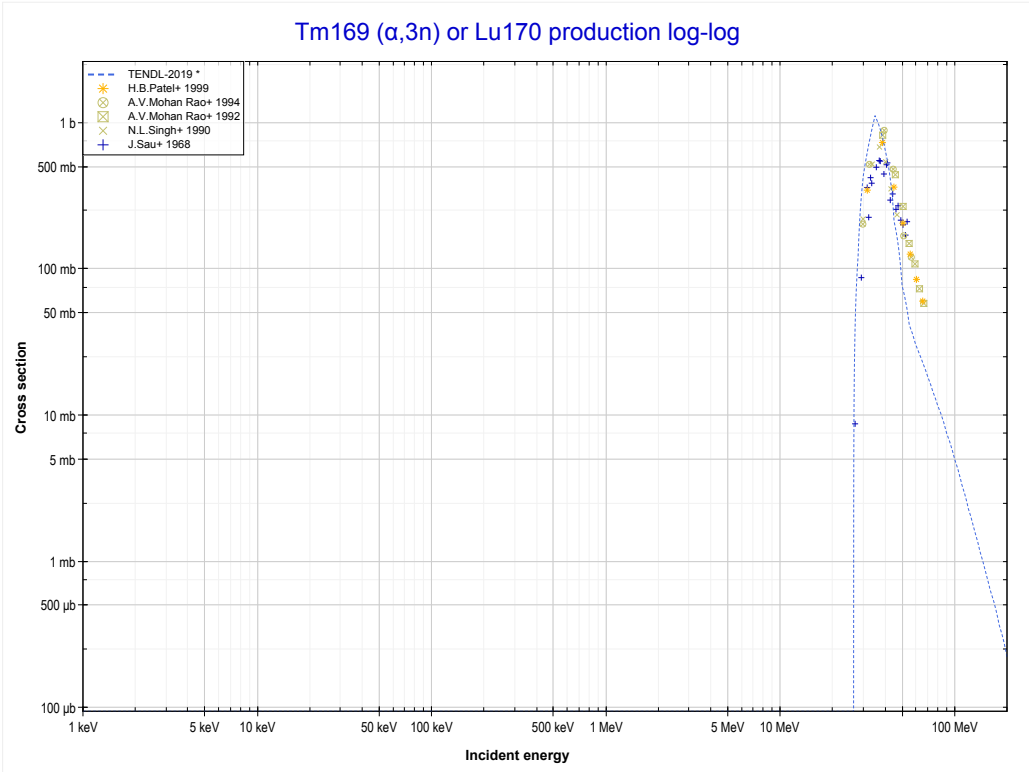
Reaction	Q-Value
Tm169(α,n)Lu172	-10185.60 keV

<< 68-Er-164	69-Tm-169	70-Yb-176 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Lu171 production)	MT17 (α,3n) >>



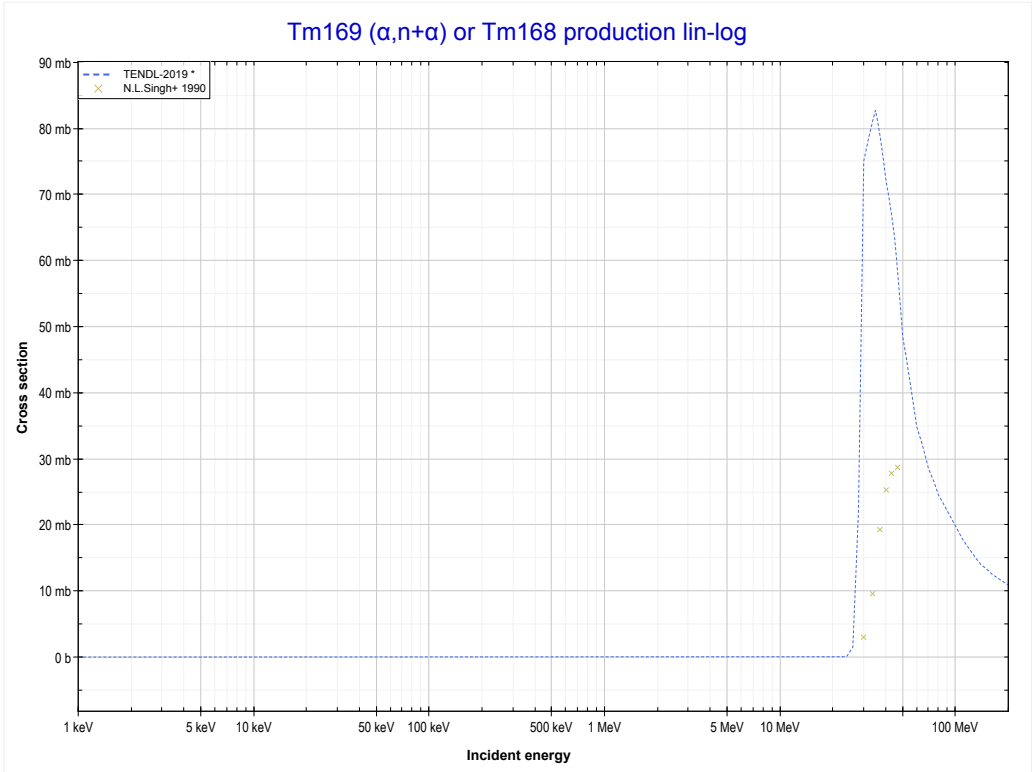
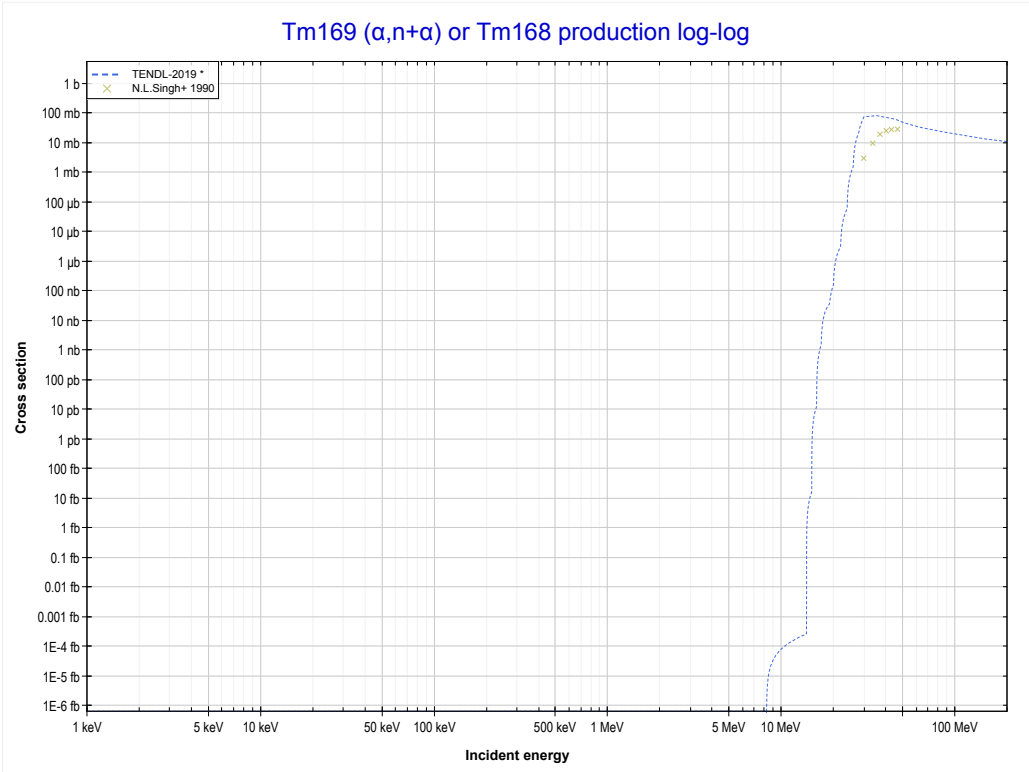
Reaction	Q-Value
Tm169(α,2n)Lu171	-17164.52 keV

<< 68-Er-166	69-Tm-169	73-Ta-181 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Lu170 production)	MT22 (α,n+α) >>



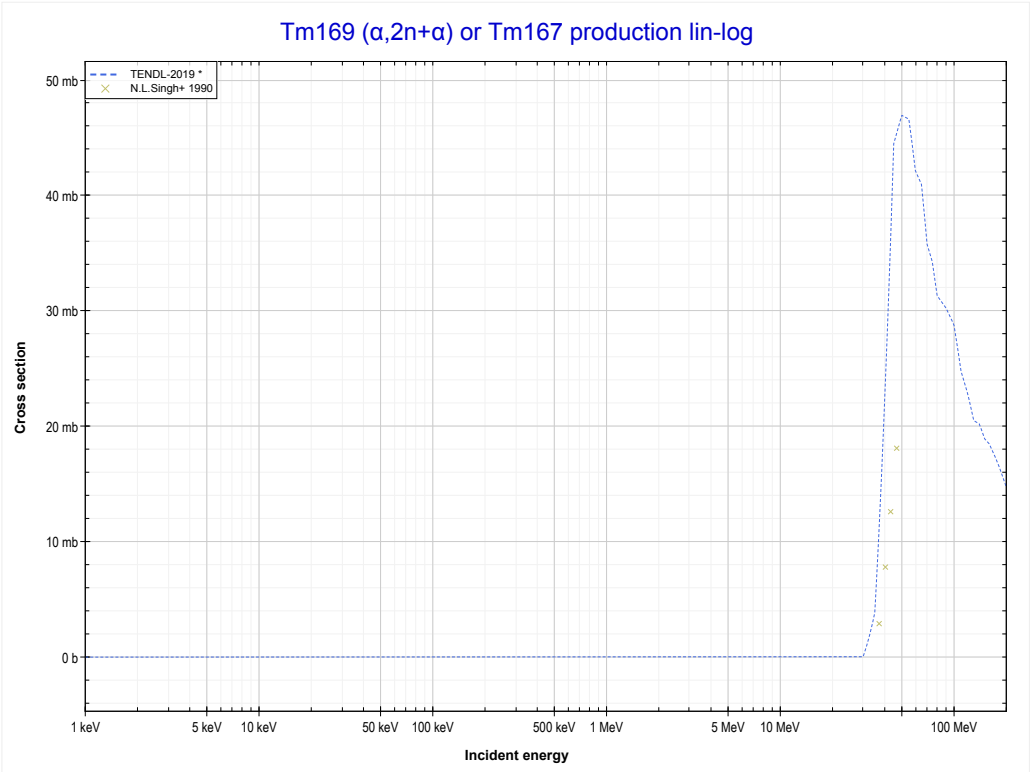
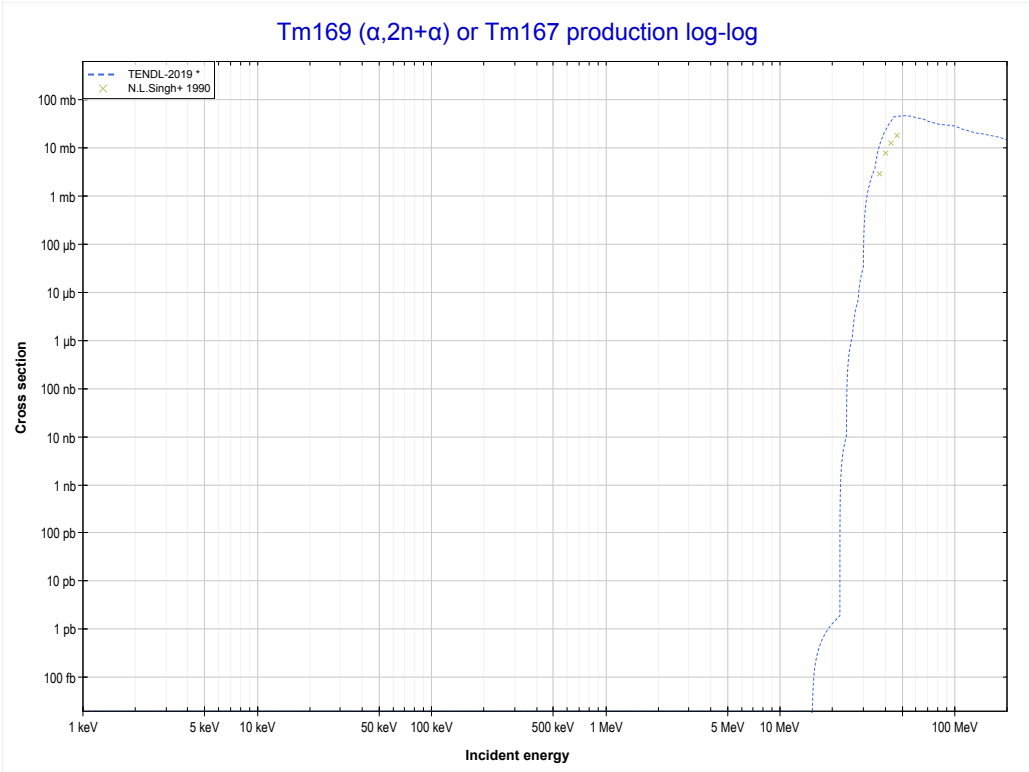
Reaction	Q-Value
Tm169(α,3n)Lu170	-25758.24 keV

<< 65-Tb-159	69-Tm-169	75-Re-185 >>
<< MT17 (α,3n)	MT22 (α,n+α) or MT5 (Tm168 production)	MT24 (α,2n+α) >>



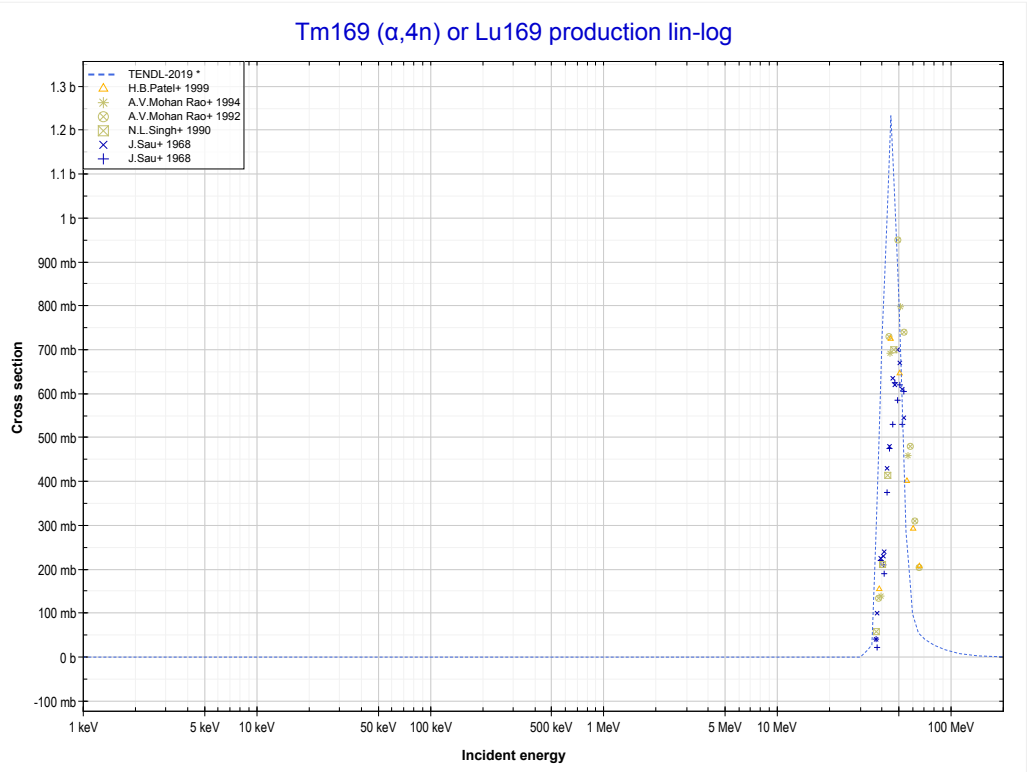
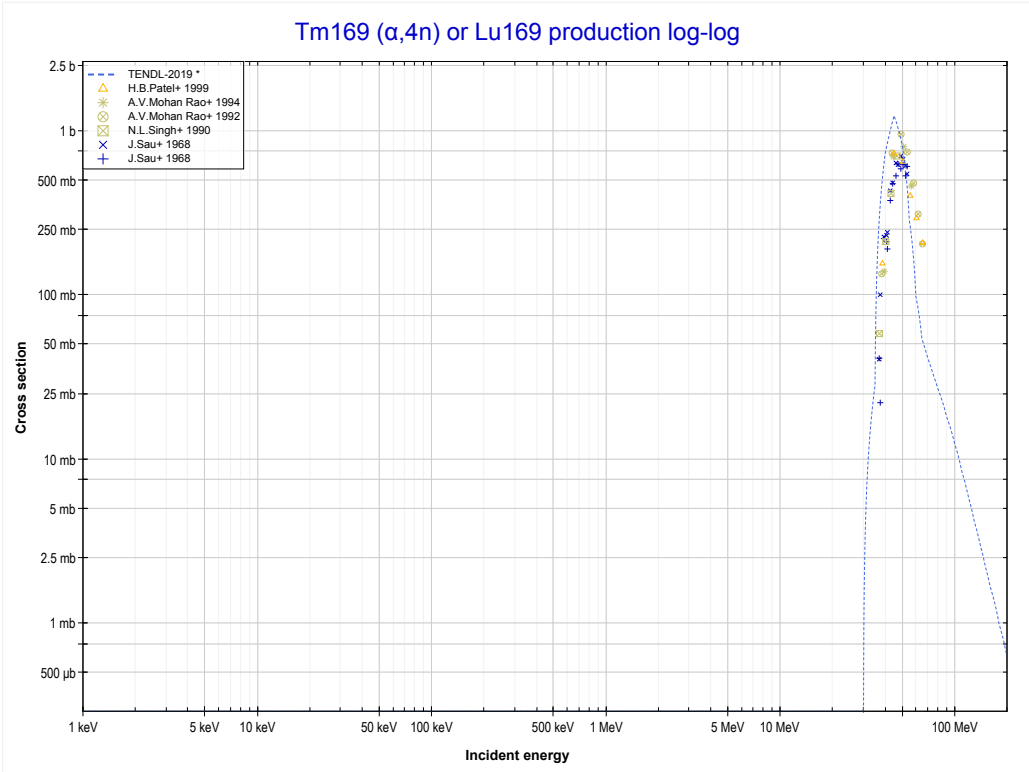
Reaction	Q-Value
Tm169(α,n+α)Tm168	-8033.62 keV
Tm169(α,d+t)Tm168	-25622.92 keV
Tm169(α,n+p+t)Tm168	-27847.48 keV
Tm169(α,2n+He3)Tm168	-28611.24 keV
Tm169(α,n+2d)Tm168	-31880.14 keV
Tm169(α,2n+p+d)Tm168	-34104.71 keV
Tm169(α,3n+2p)Tm168	-36329.28 keV

<< 53-I-127	69-Tm-169	
<< MT22 (α ,n+ α)	MT24 (α ,2n+ α) or MT5 (Tm167 production)	MT37 (α ,4n) >>



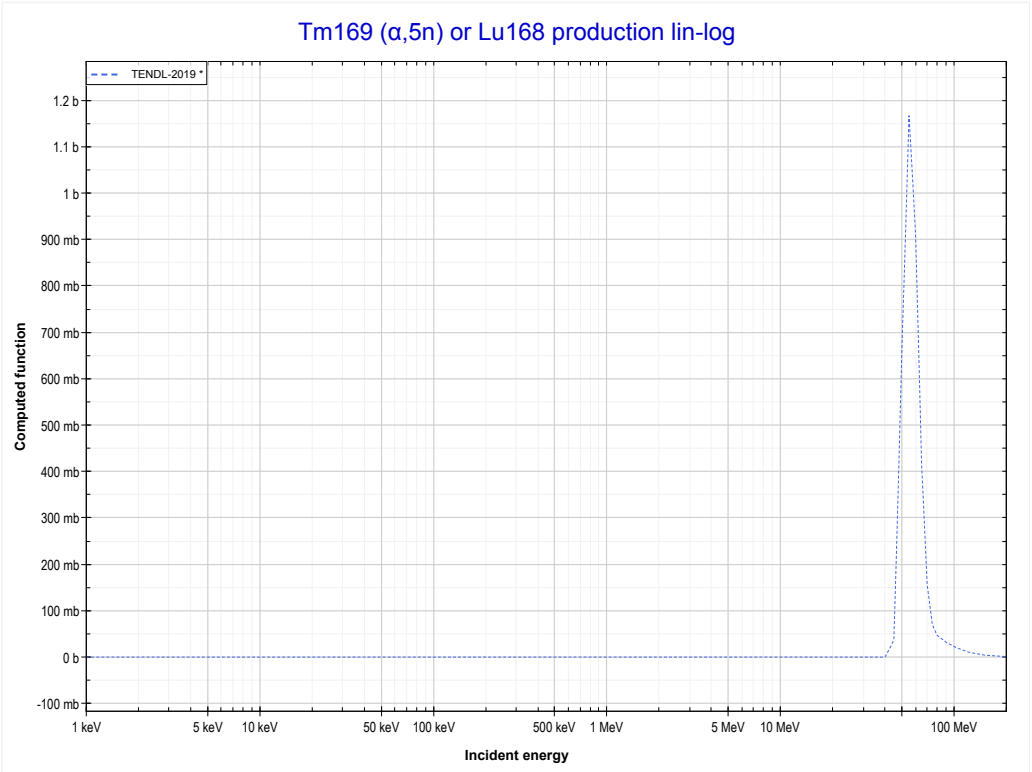
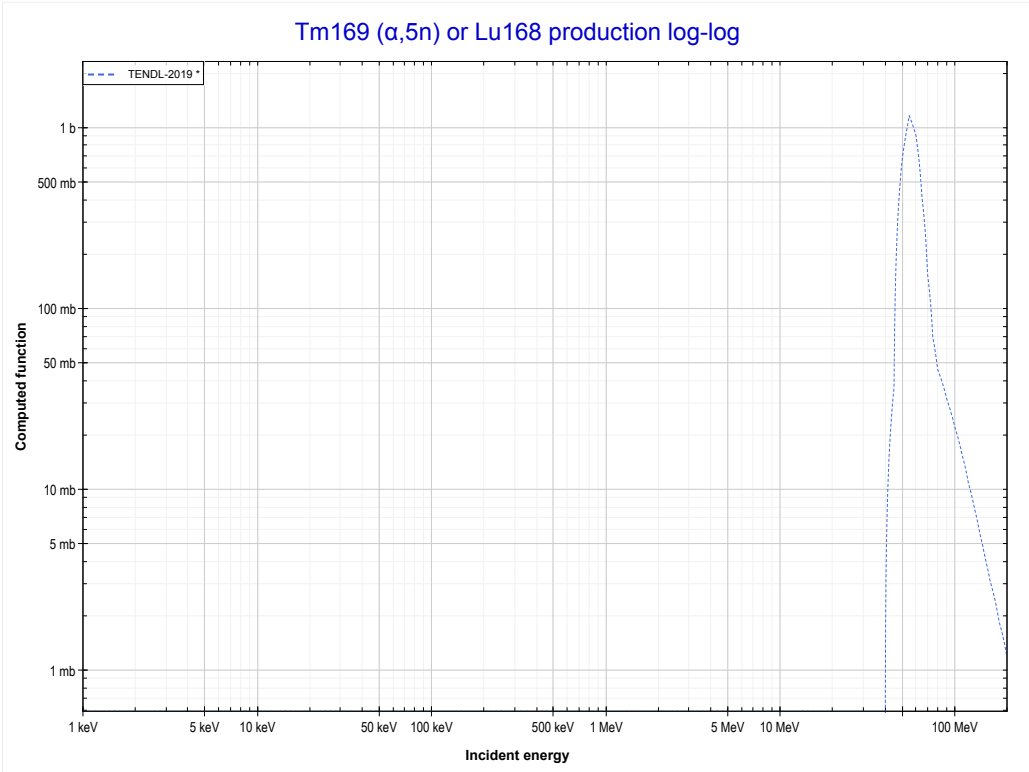
Reaction	Q-Value
Tm169(α ,2n+ α)Tm167	-14874.23 keV
Tm169(α ,2t)Tm167	-26206.30 keV
Tm169(α ,n+d+t)Tm167	-32463.53 keV
Tm169(α ,2n+p+t)Tm167	-34688.10 keV
Tm169(α ,3n+He3)Tm167	-35451.85 keV
Tm169(α ,2n+2d)Tm167	-38720.76 keV
Tm169(α ,3n+p+d)Tm167	-40945.33 keV
Tm169(α ,4n+2p)Tm167	-43169.89 keV

<< 68-Er-167	69-Tm-169	73-Ta-181 >>
<< MT24 ($\alpha,2n+\alpha$)	MT37 ($\alpha,4n$) or MT5 (Lu169 production)	MT152 ($\alpha,5n$) >>



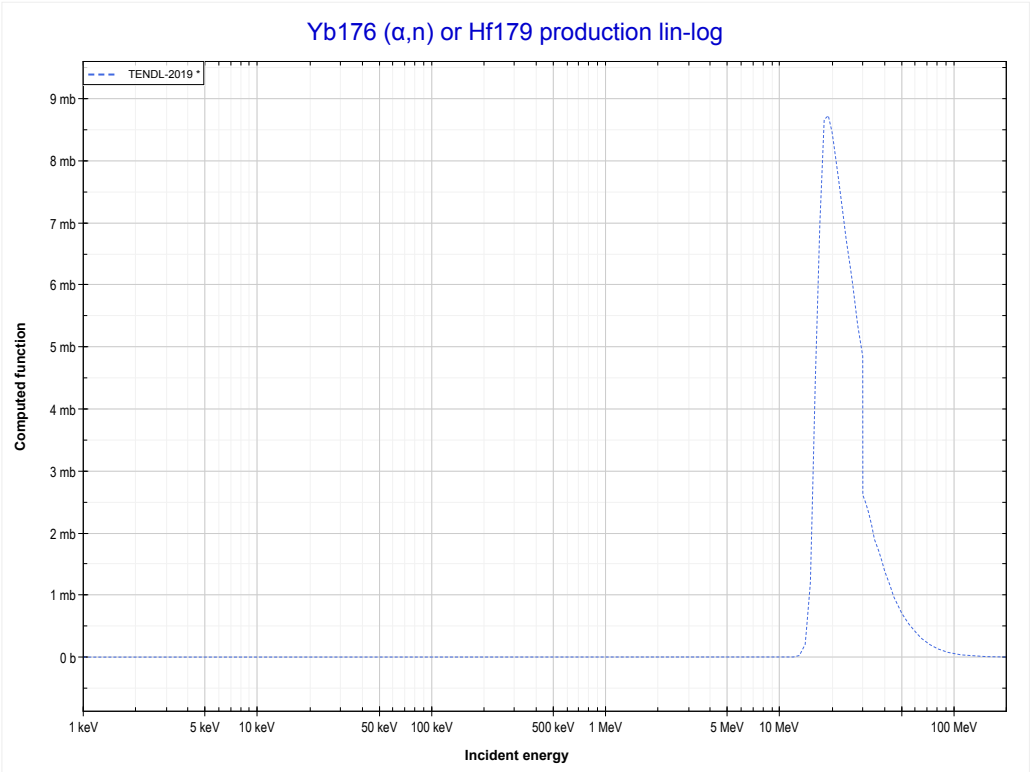
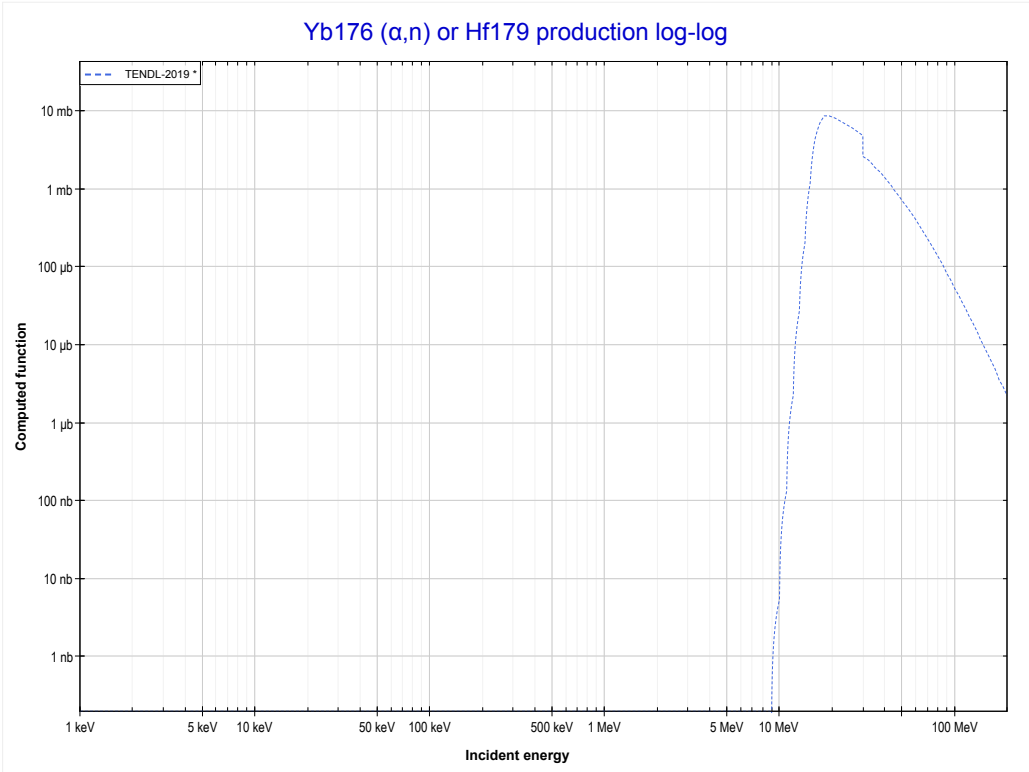
Reaction	Q-Value
Tm169($\alpha,4n$)Lu169	-33050.55 keV

<< 65-Tb-159	69-Tm-169	73-Ta-181 >>
<< MT37 (α,4n)	MT152 (α,5n) or MT5 (Lu168 production)	70-Yb-176 MT4 (α,n) >>



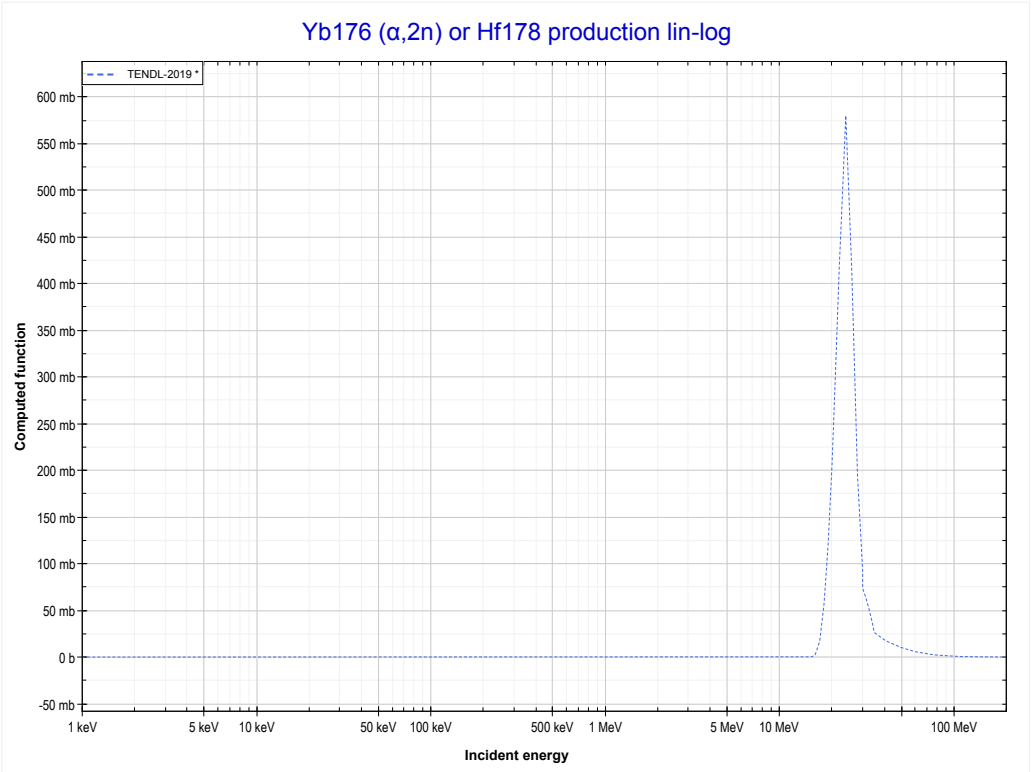
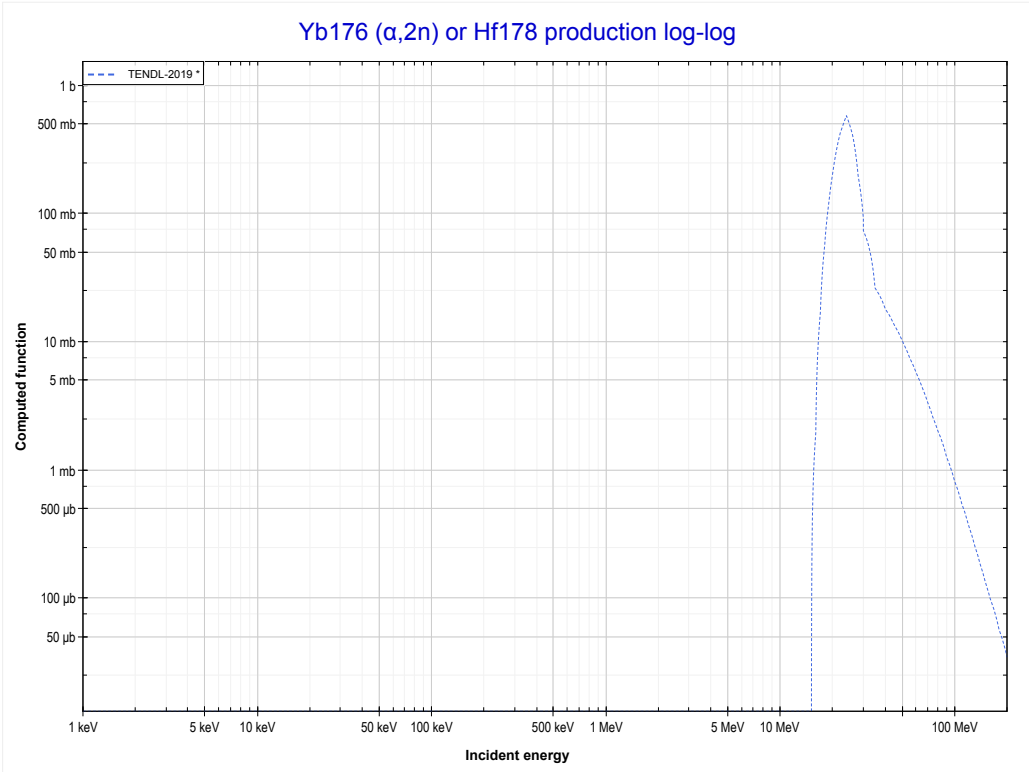
Reaction	Q-Value
Tm169(α,5n)Lu168	-42136.87 keV

<< 69-Tm-169	70-Yb-176	73-Ta-181 >>
<< 69-Tm-169 MT152 (α,5n)	MT4 (α,n) or MT5 (Hf179 production)	MT16 (α,2n) >>



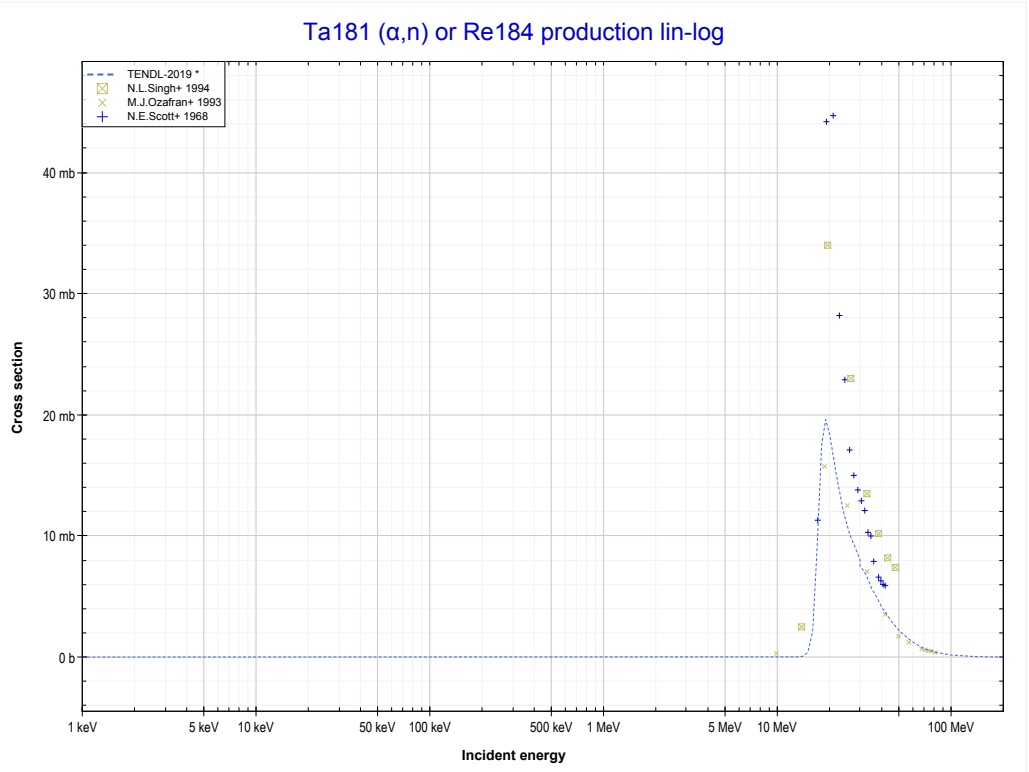
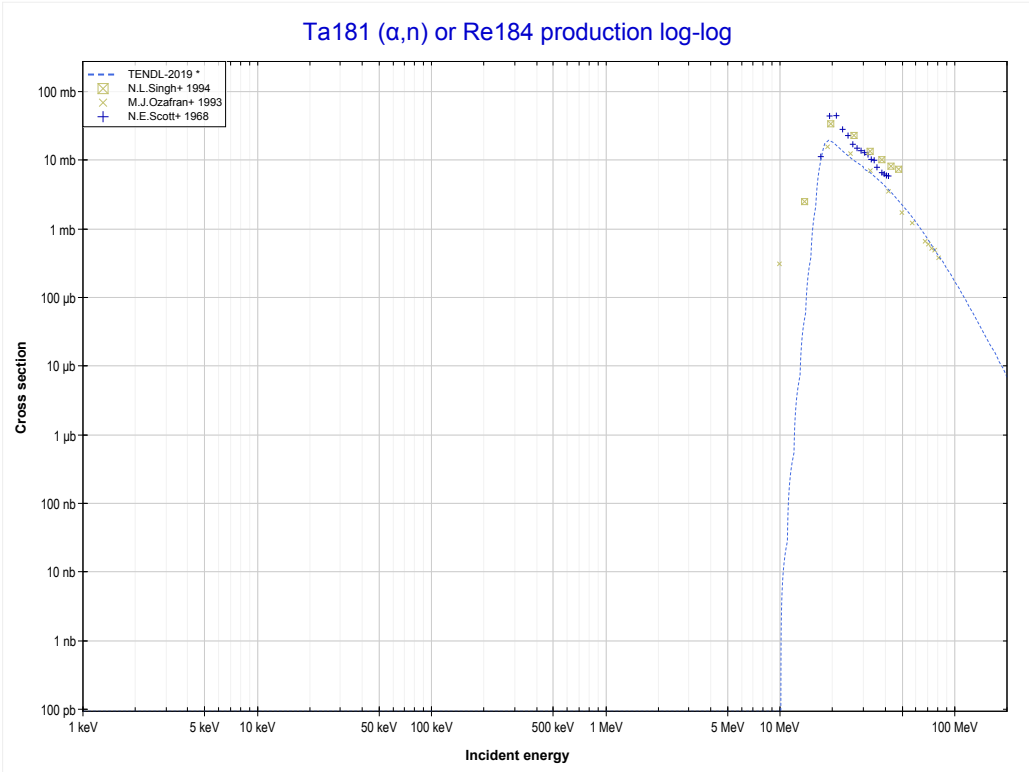
Reaction	Q-Value
Yb176(α,n)Hf179	-8674.82 keV

<< 69-Tm-169	70-Yb-176	73-Ta-181 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Hf178 production)	73-Ta-181 MT4 (α,n) >>



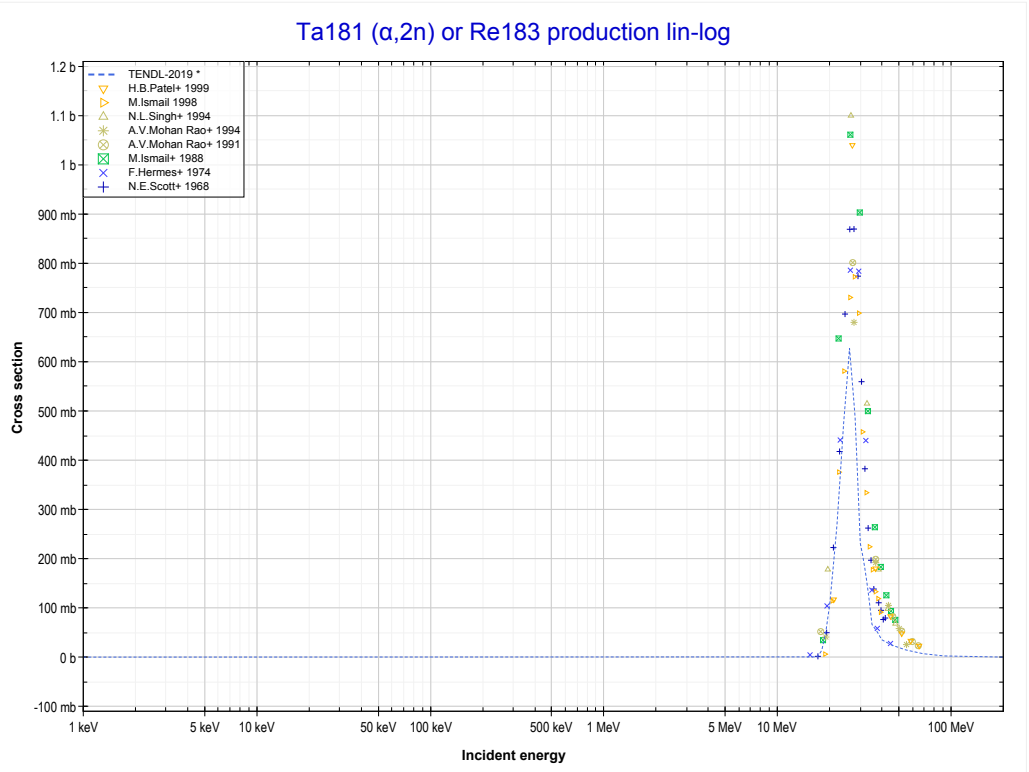
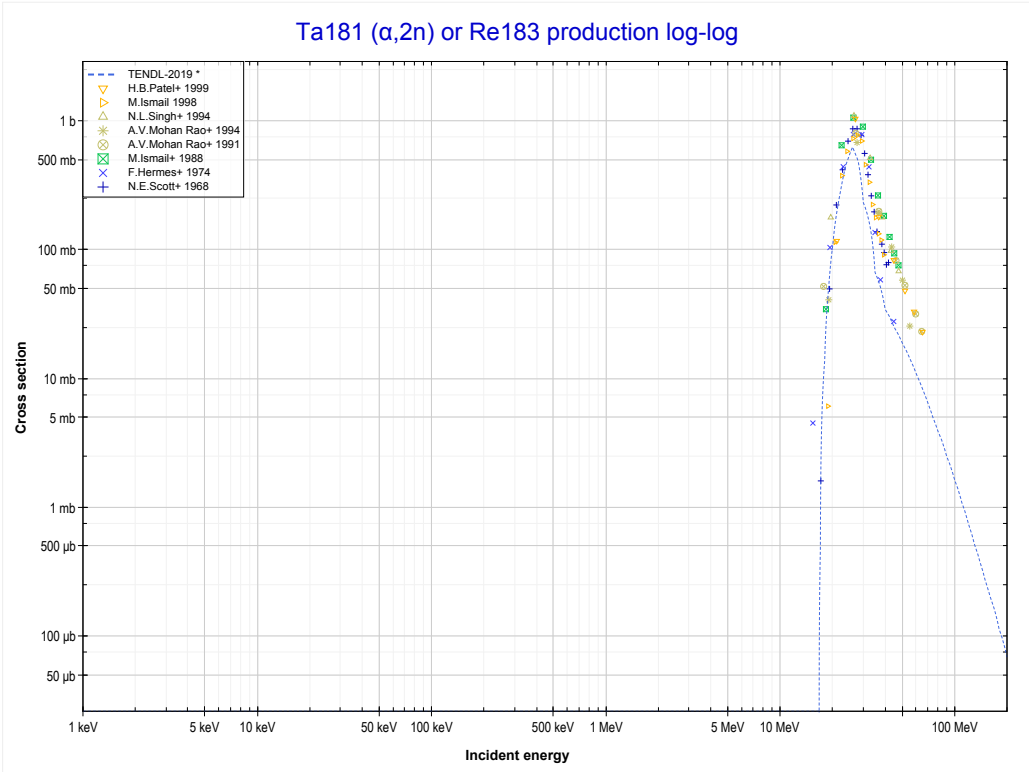
Reaction	Q-Value
Yb176(α,2n)Hf178	-14773.83 keV

<< 70-Yb-176	73-Ta-181	75-Re-187 >>
<< 70-Yb-176 MT16 (α,2n)	MT4 (α,n) or MT5 (Re184 production)	MT16 (α,2n) >>



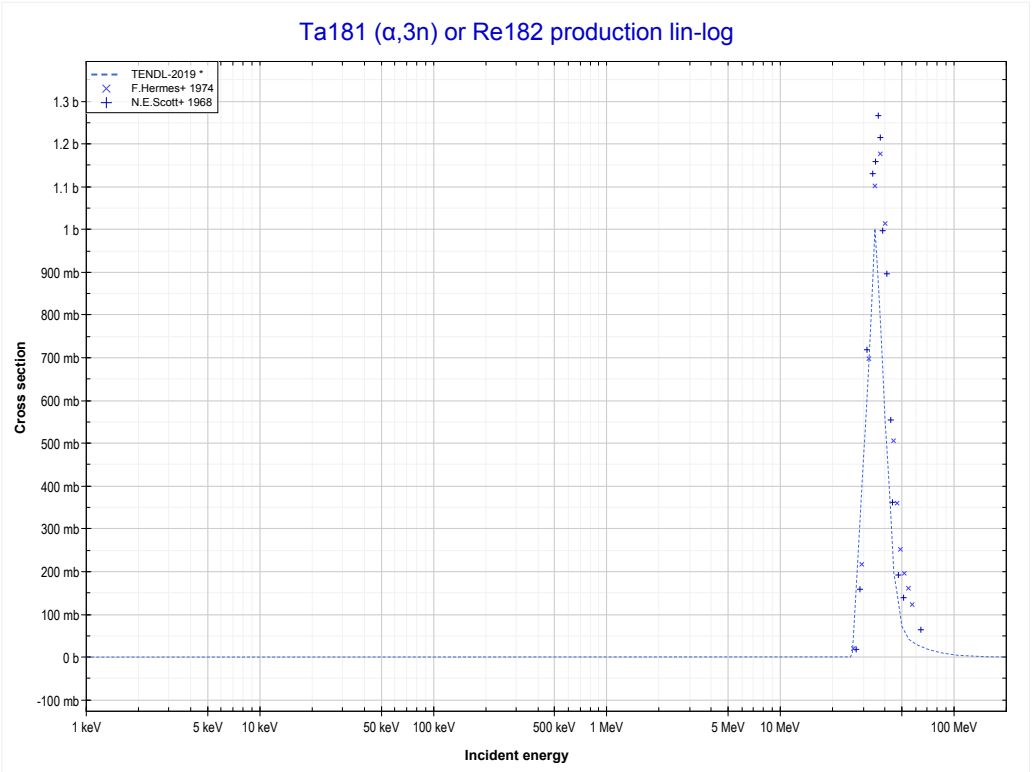
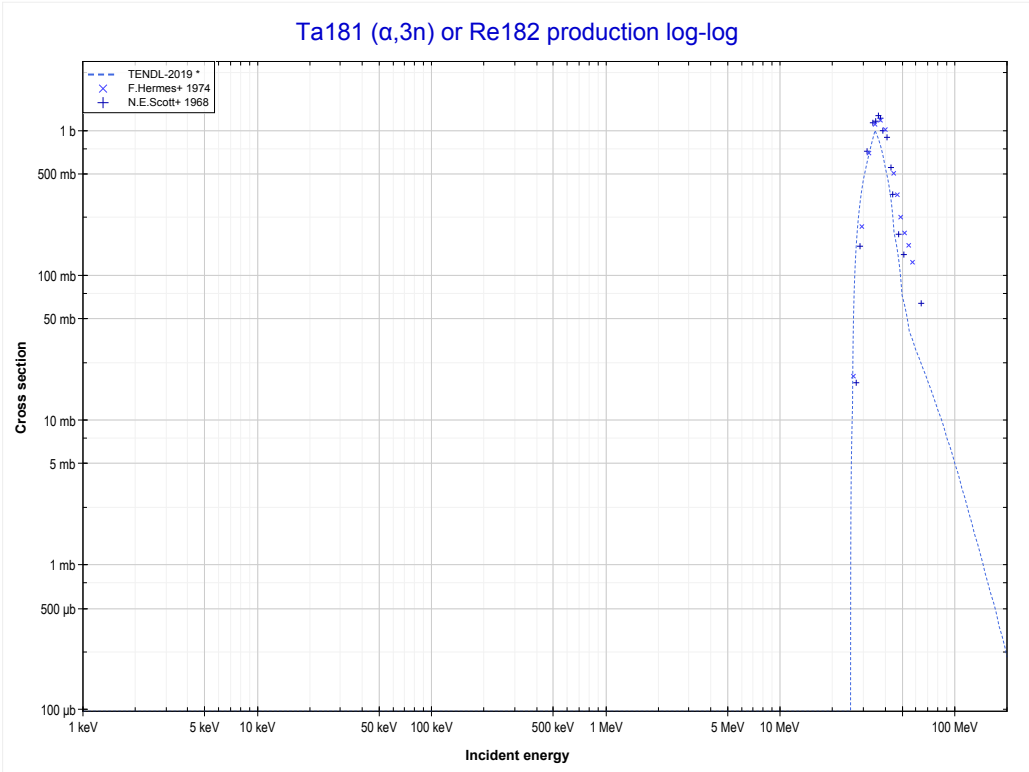
Reaction	Q-Value
Ta181(α,n)Re184	-9864.70 keV

<< 70-Yb-176	73-Ta-181	77-Ir-191 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Re183 production)	MT17 (α,3n) >>



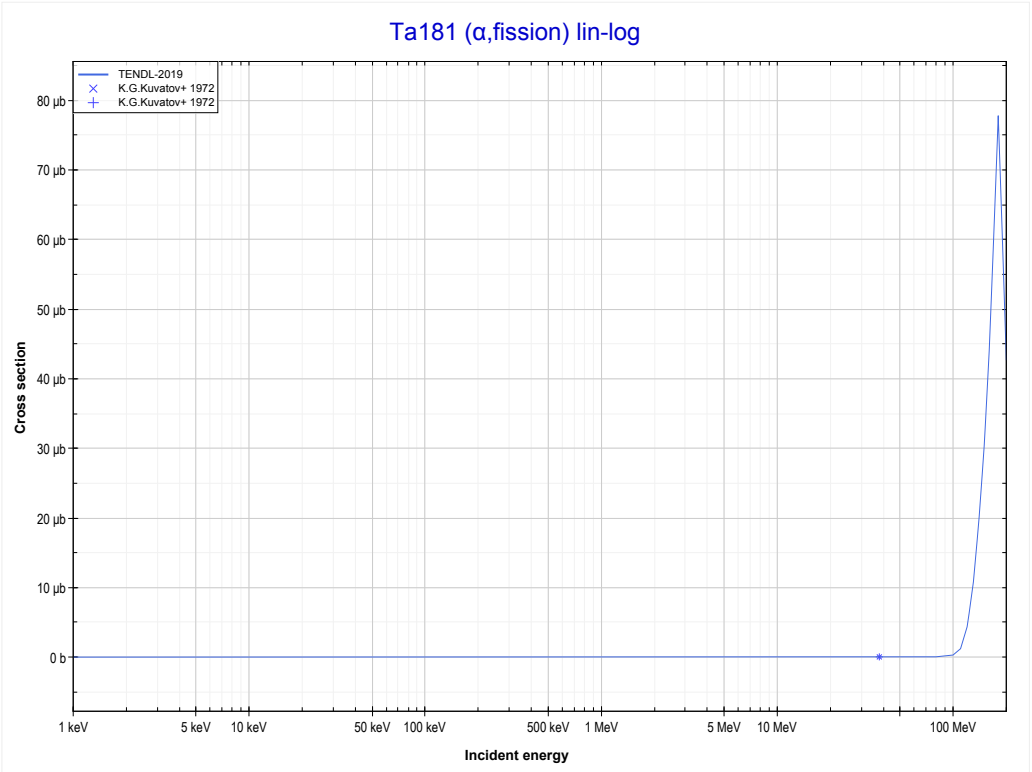
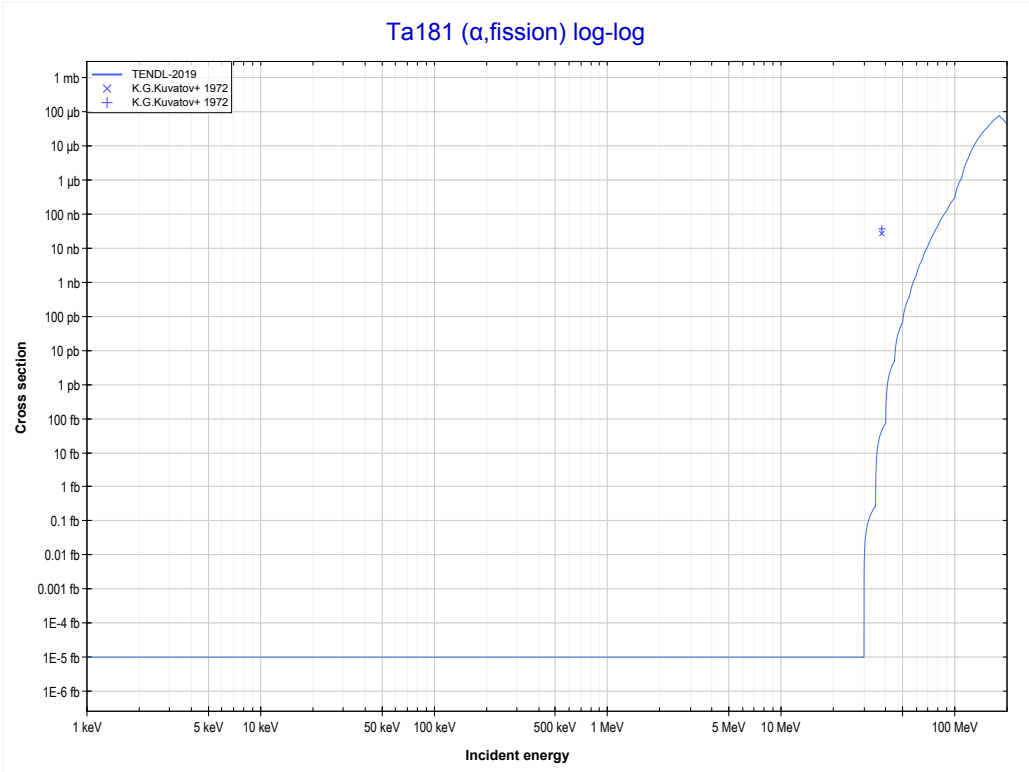
Reaction	Q-Value
Ta181(α,2n)Re183	-16346.02 keV

<< 69-Tm-169	73-Ta-181	75-Re-187 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Re182 production)	MT18 (α,fission) >>

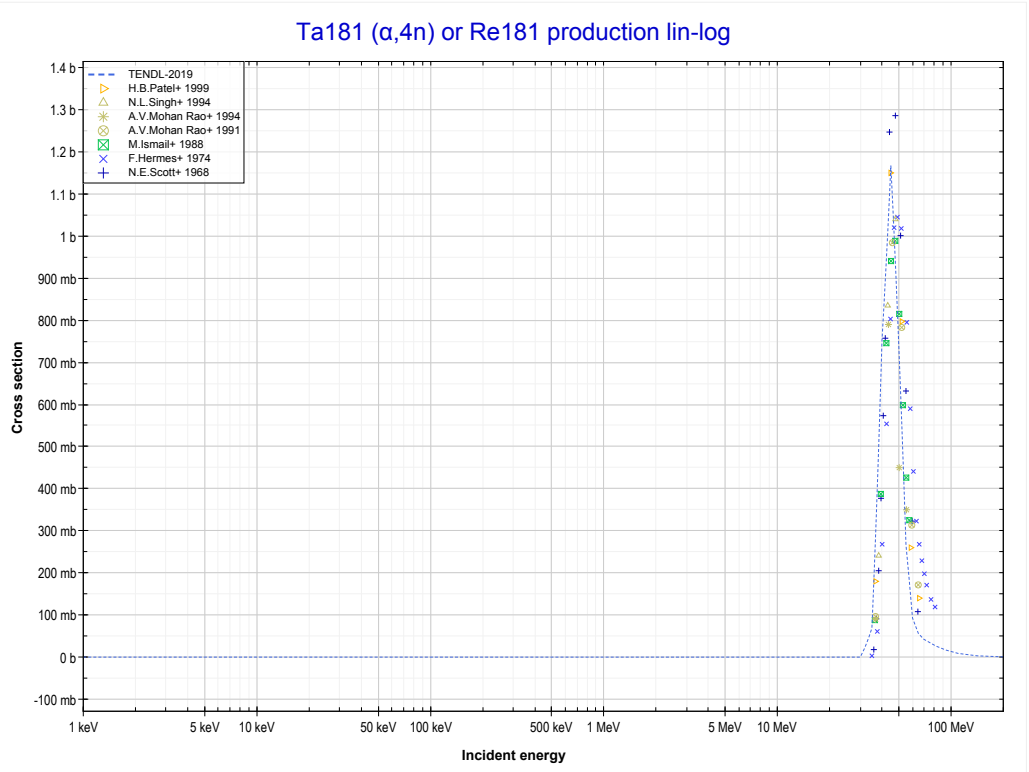
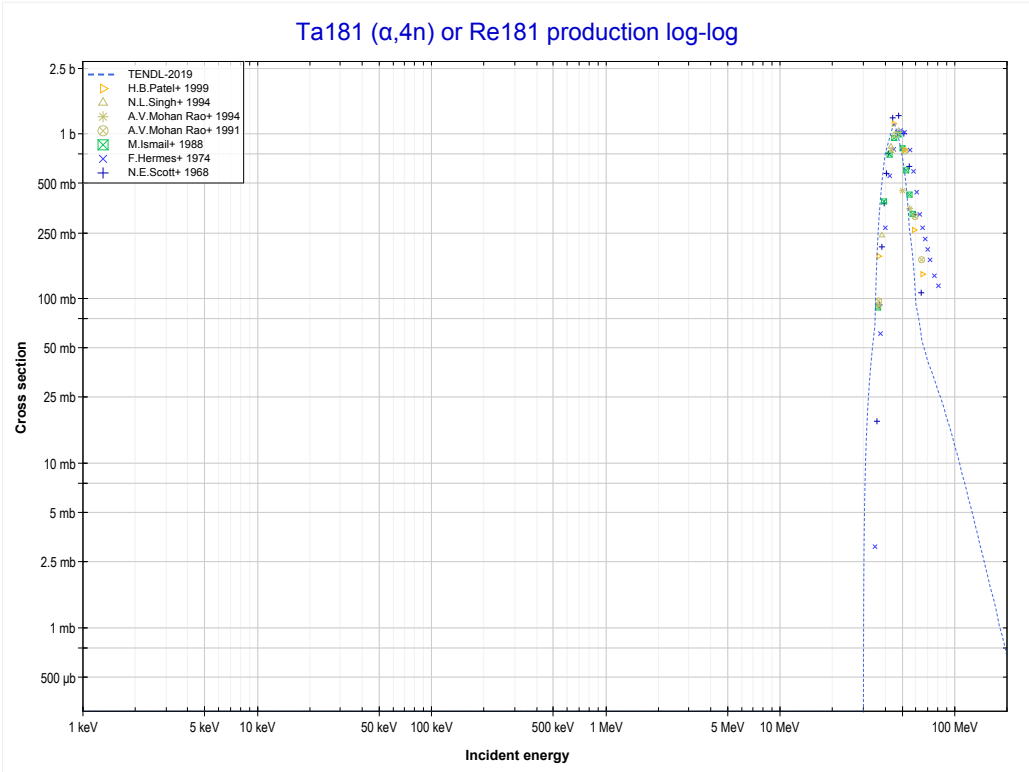


Reaction	Q-Value
Ta181(α,3n)Re182	-24777.34 keV

	73-Ta-181	75-Re-185 >>
<< MT17 (α ,3n)	MT18 (α ,fission)	MT37 (α ,4n) >>

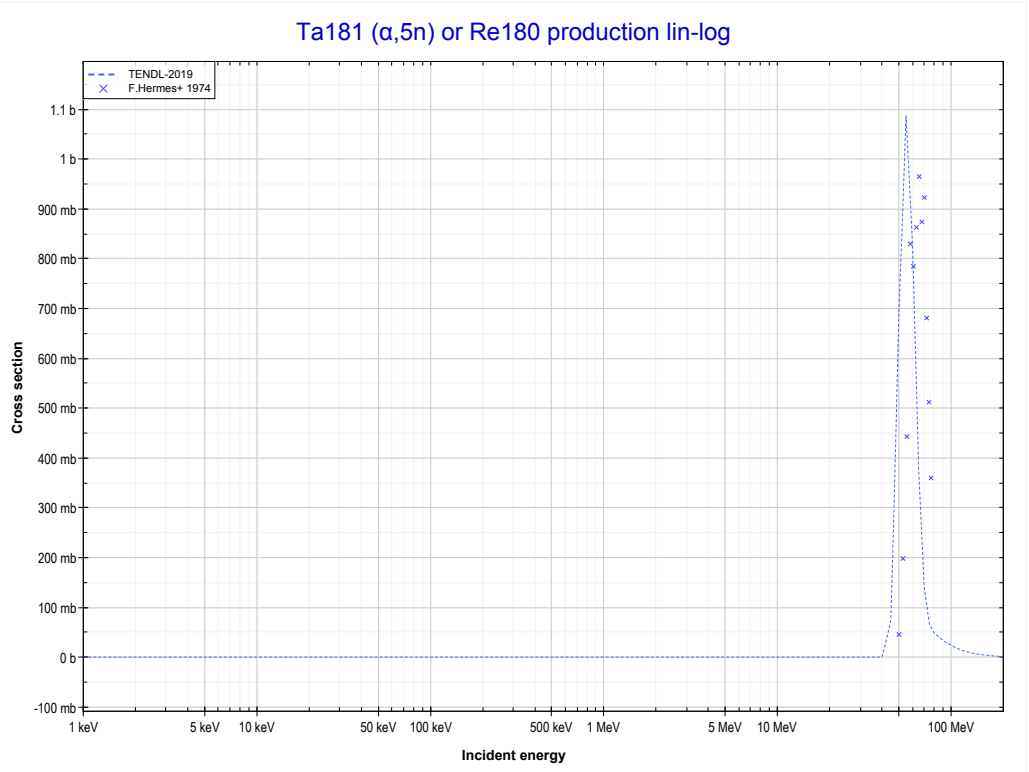
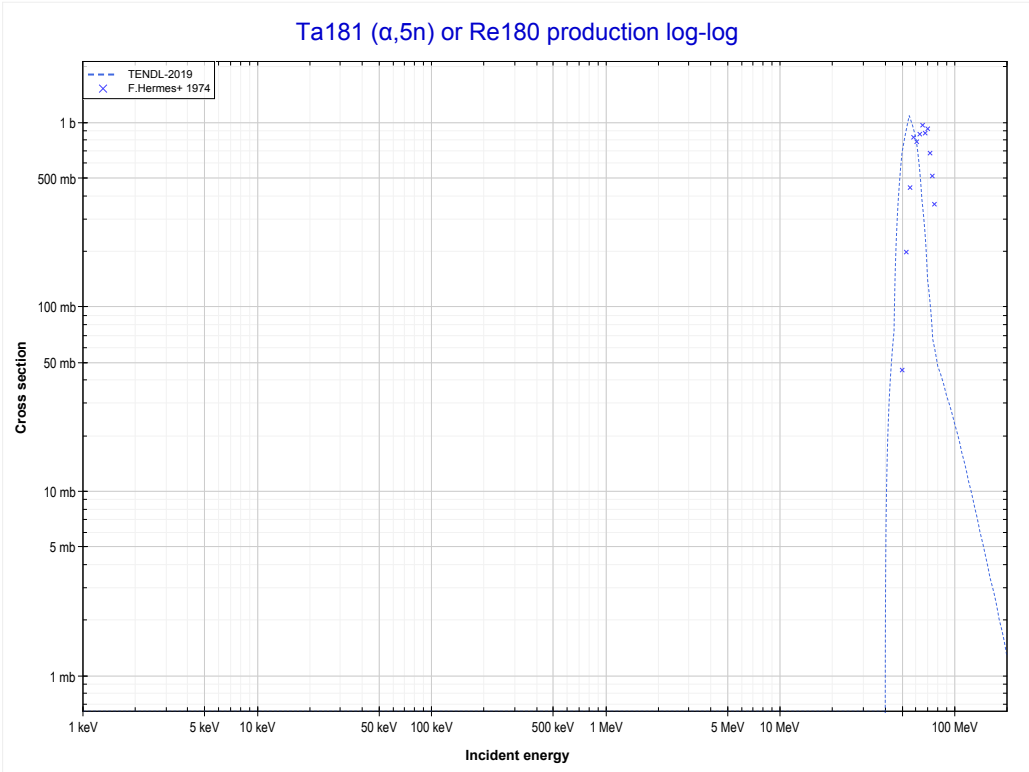


<< 69-Tm-169	73-Ta-181	75-Re-187 >>
<< MT18 (α,fission)	MT37 (α,4n) or MT5 (Re181 production)	MT152 (α,5n) >>



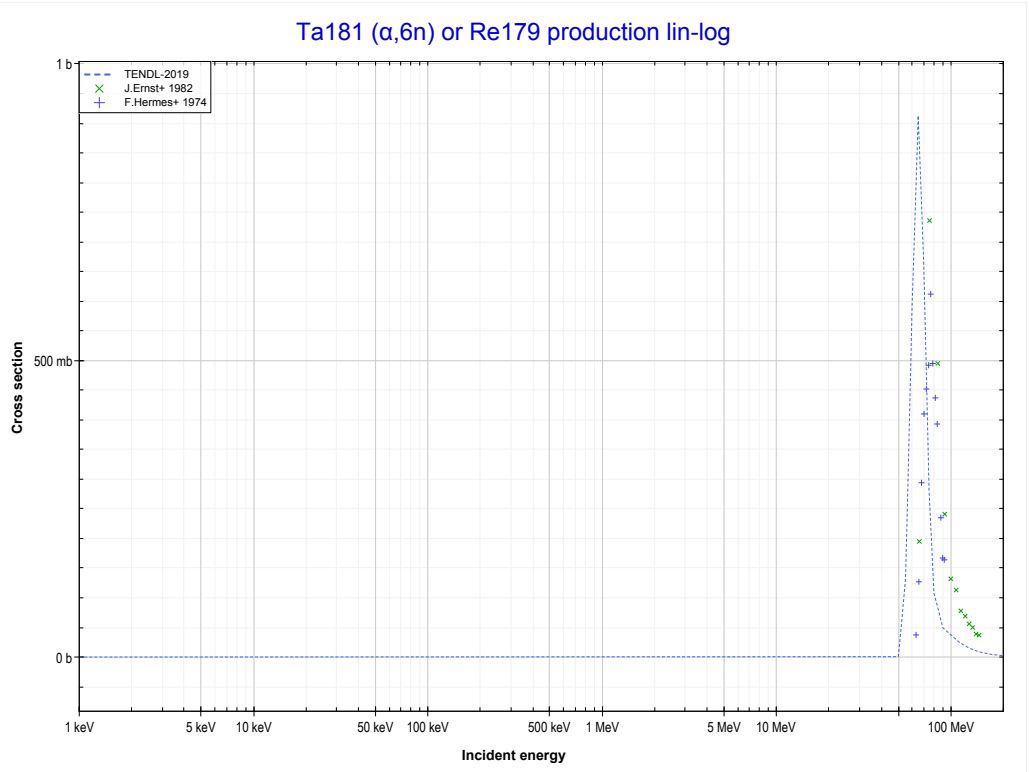
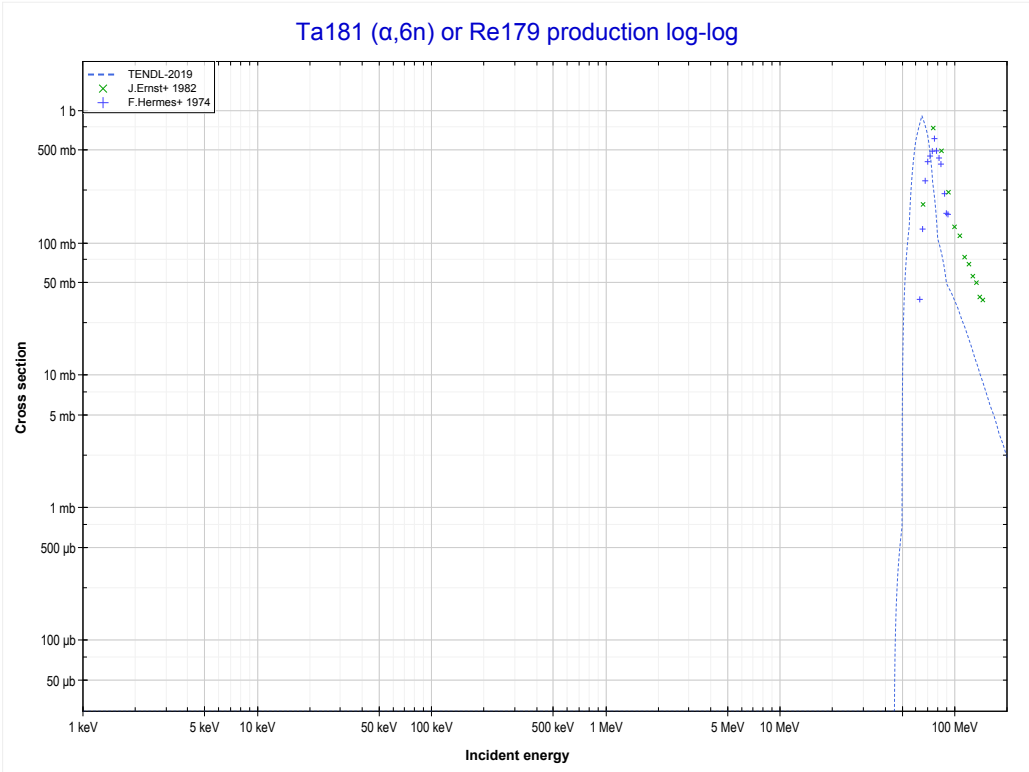
Reaction	Q-Value
Ta181(α,4n)Re181	-31781.65 keV

<< 69-Tm-169	73-Ta-181	75-Re-187 >>
<< MT37 (α ,4n)	MT152 (α ,5n) or MT5 (Re180 production)	MT153 (α ,6n) >>



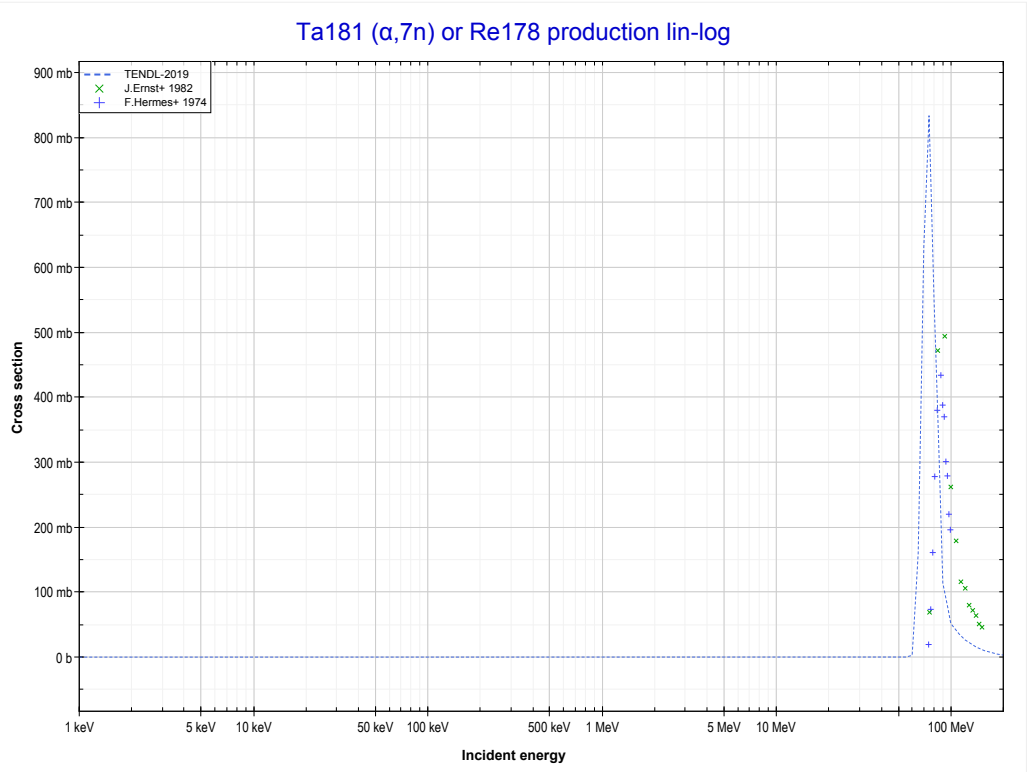
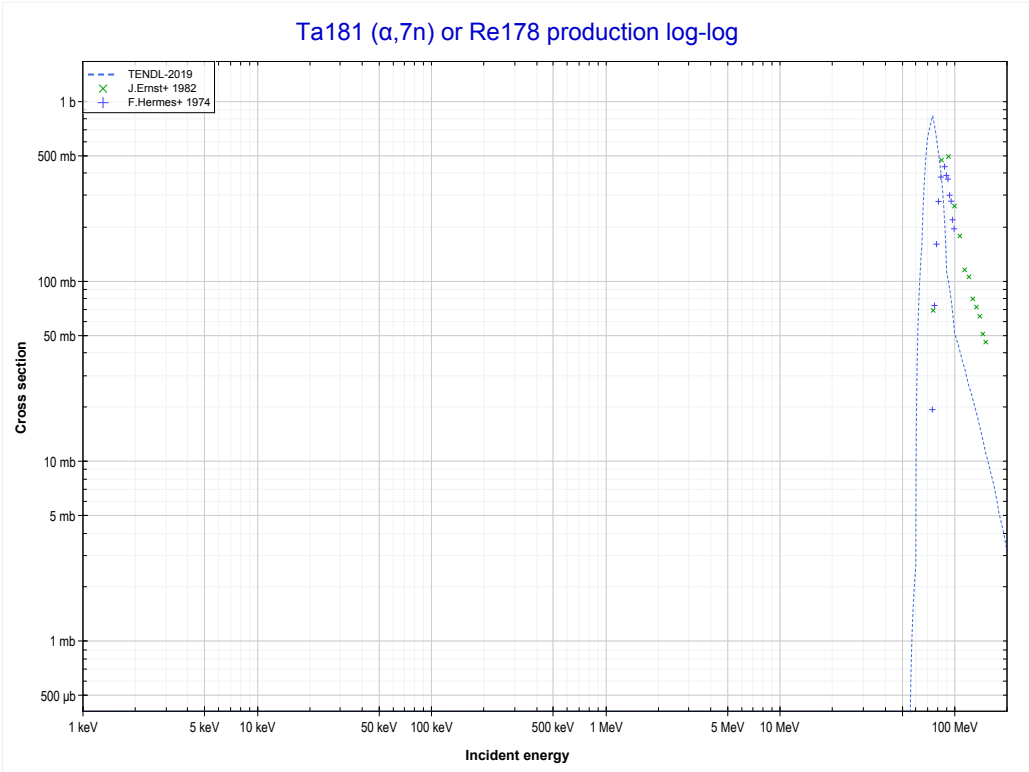
Reaction	Q-Value
Ta181(α ,5n)Re180	-40532.97 keV

	73-Ta-181	75-Re-187 >>
<< MT152 (α,5n)	MT153 (α,6n) or MT5 (Re179 production)	MT160 (α,7n) >>



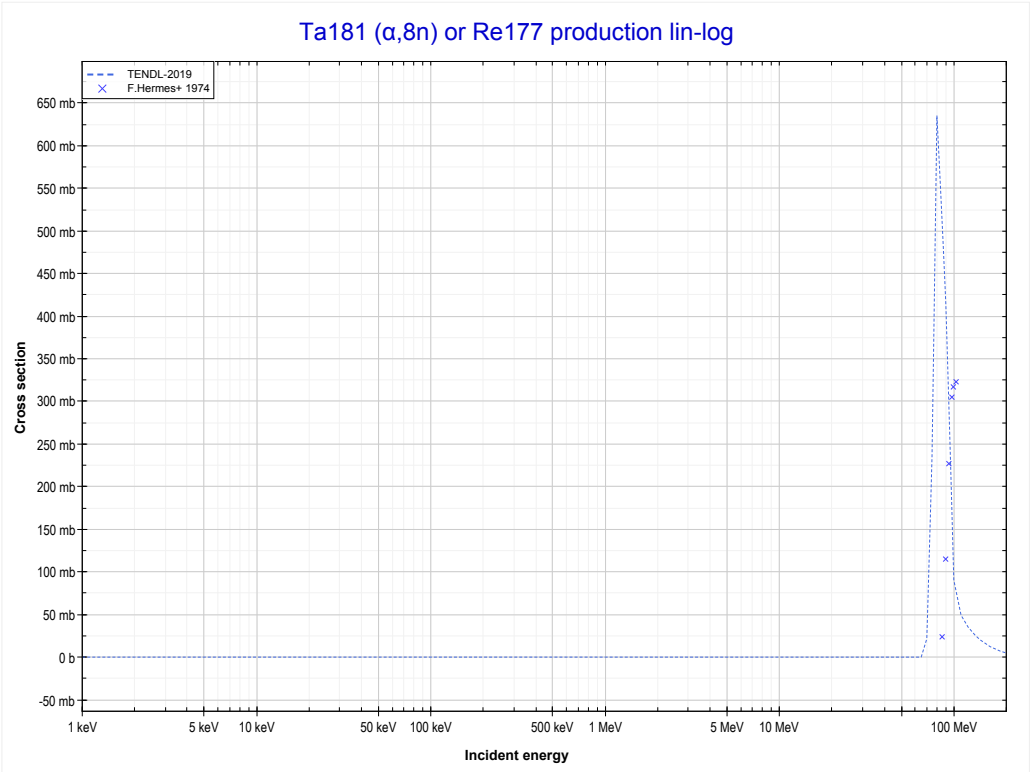
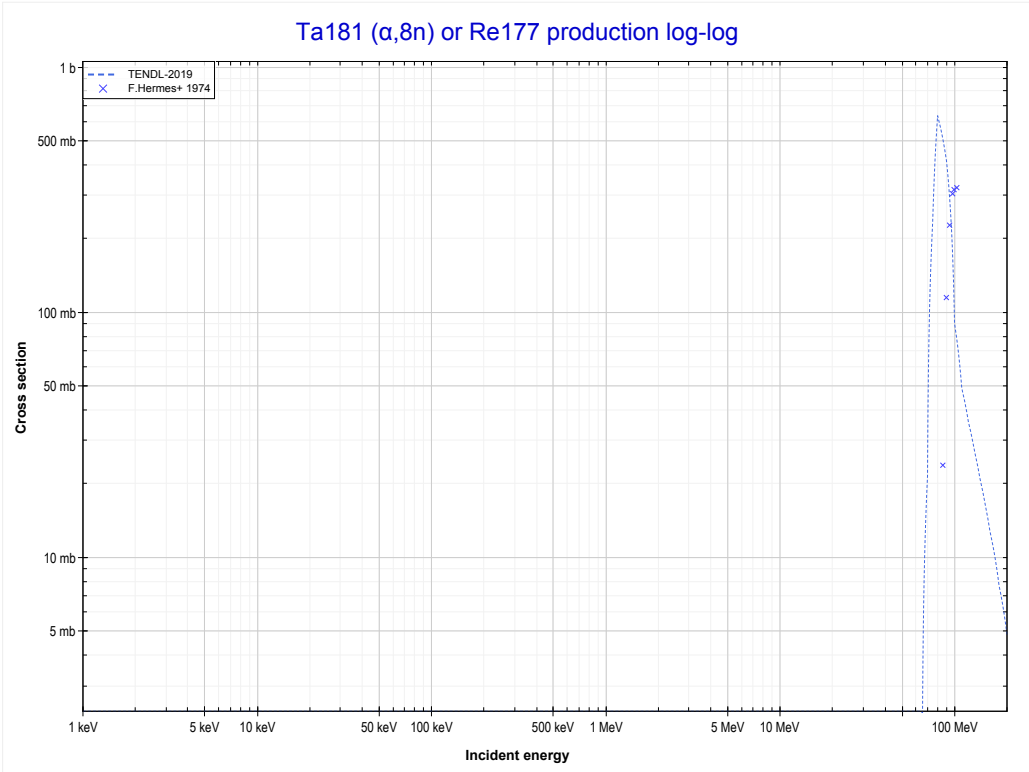
Reaction	Q-Value
Ta181(α,6n)Re179	-47857.29 keV

	73-Ta-181	75-Re-187 >>
<< MT153 ($\alpha,6n$)	MT160 ($\alpha,7n$) or MT5 (Re178 production)	MT161 ($\alpha,8n$) >>



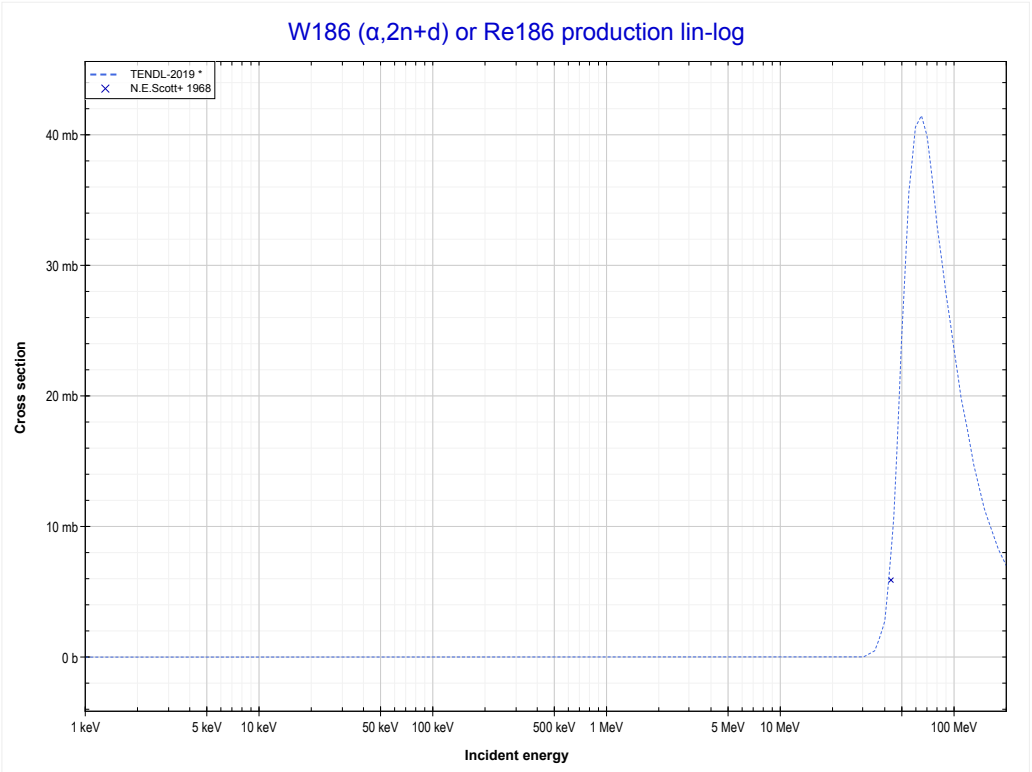
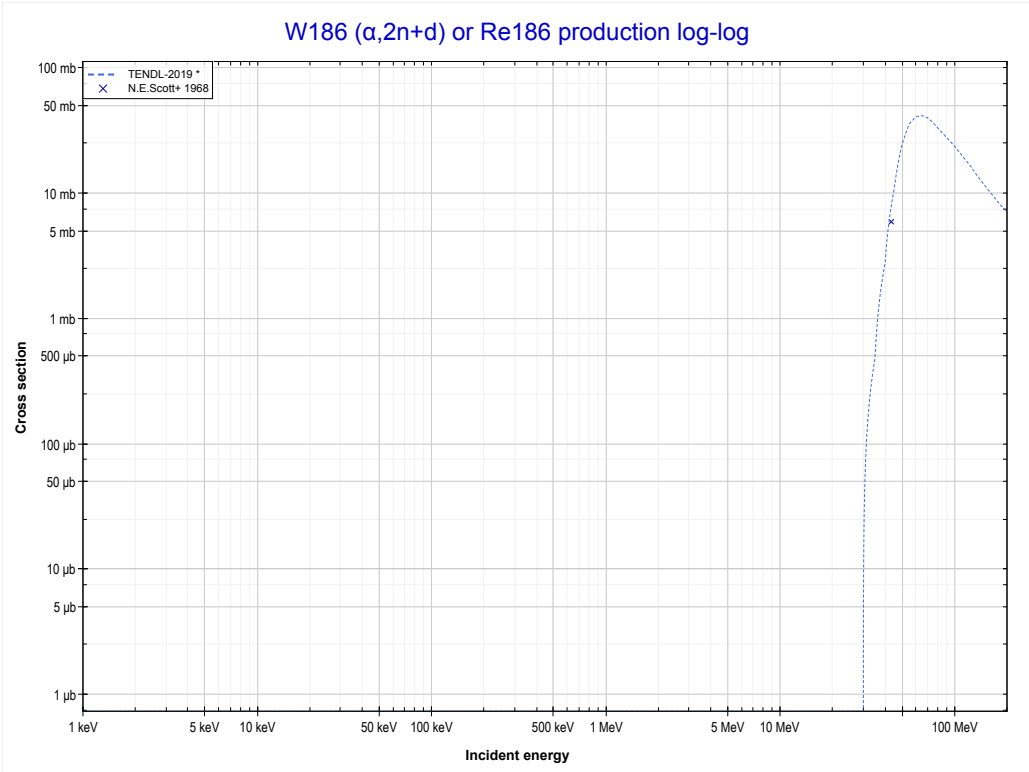
Reaction	Q-Value
Ta181($\alpha,7n$)Re178	-56859.60 keV

	73-Ta-181	79-Au-197 >>
<< MT160 (α,7n)	MT161 (α,8n) or MT5 (Re177 production)	74-W-186 MT11 (α,2n+d) >>



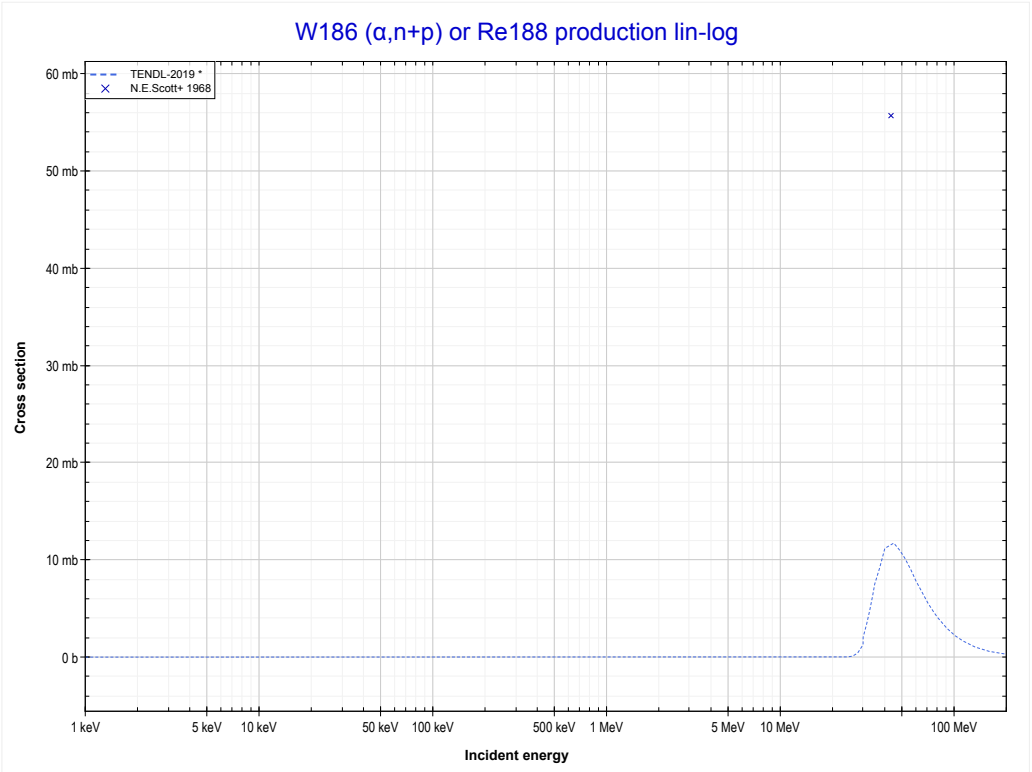
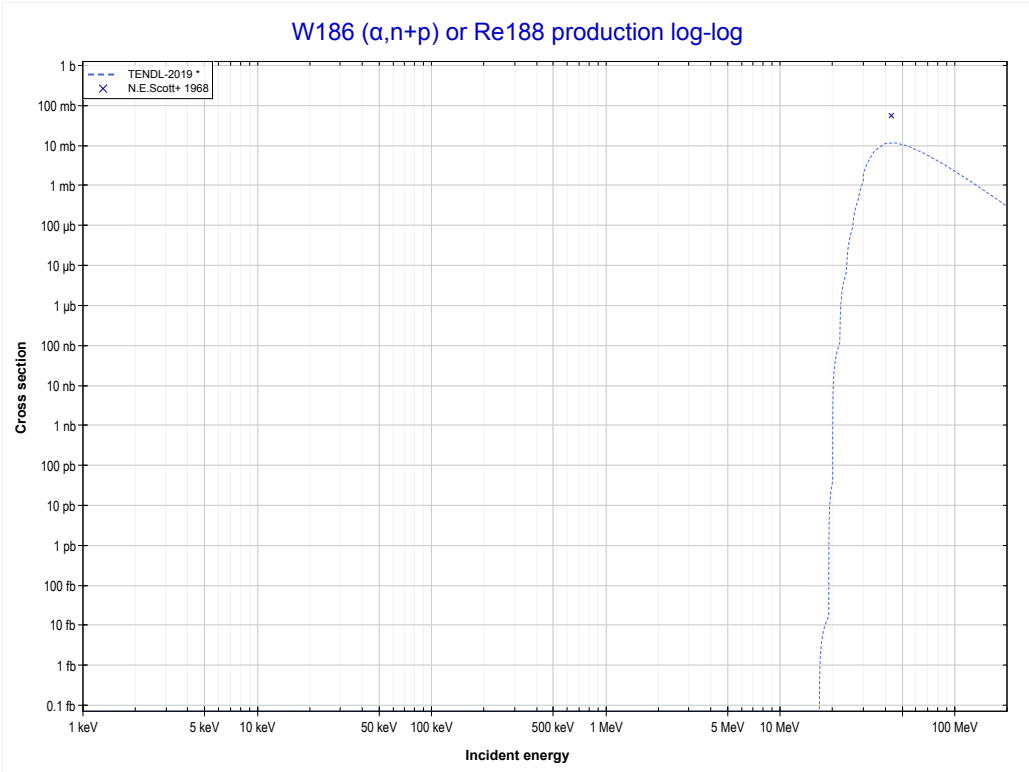
Reaction	Q-Value
Ta181(α,8n)Re177	-64314.92 keV

<< 51-Sb-121	74-W-186	79-Au-197 >>
<< 73-Ta-181 MT161 (α,8n)	MT11 (α,2n+d) or MT5 (Re186 production)	MT28 (α,n+p) >>



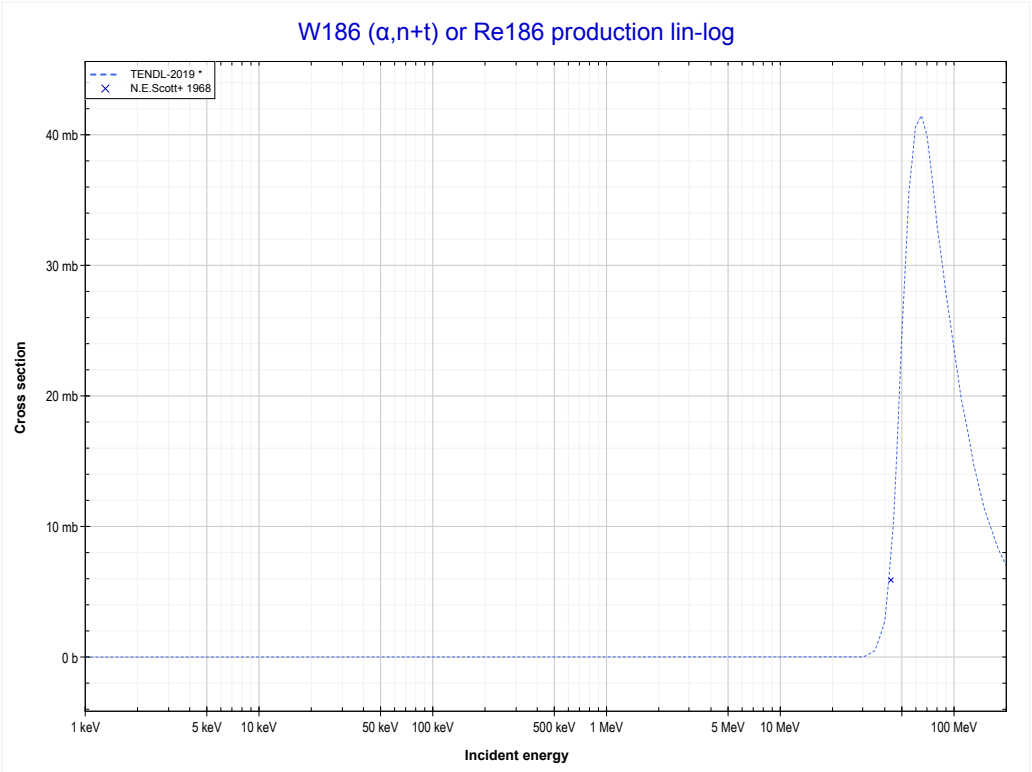
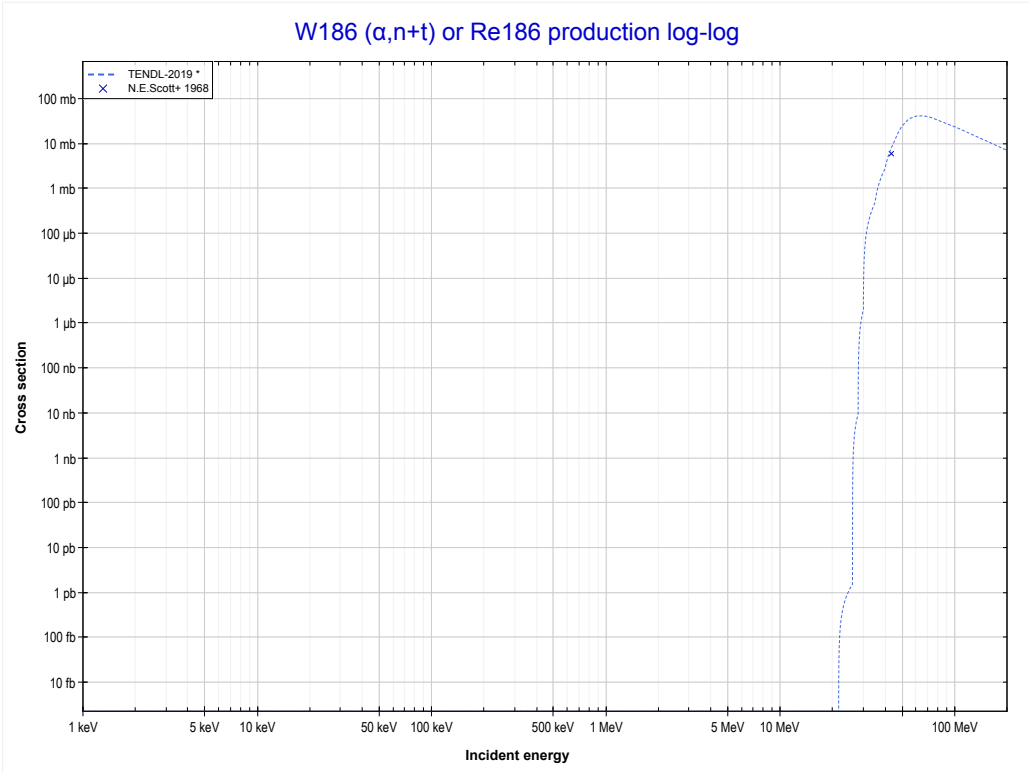
Reaction	Q-Value
W186(α,n+t)Re186	-21177.61 keV
W186(α,2n+d)Re186	-27434.84 keV
W186(α,3n+p)Re186	-29659.41 keV

<< 68-Er-166	74-W-186	76-Os-192 >>
<< MT11 ($\alpha,2n+d$)	MT28 ($\alpha,n+p$) or MT5 (Re188 production)	MT33 ($\alpha,n+t$) >>



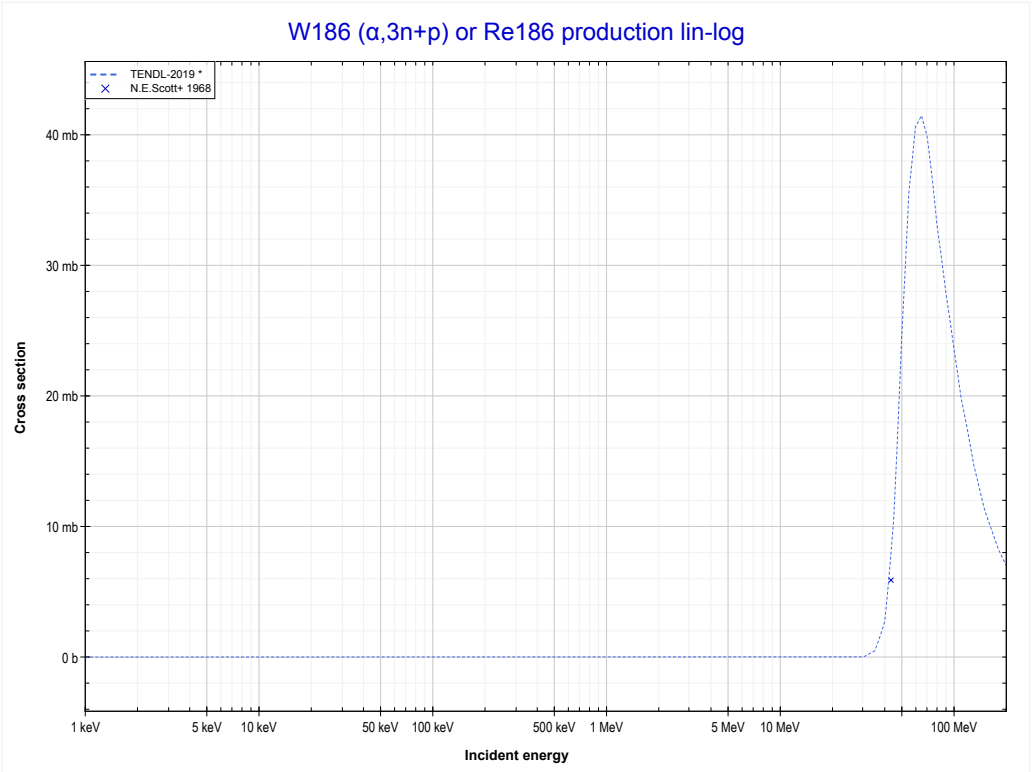
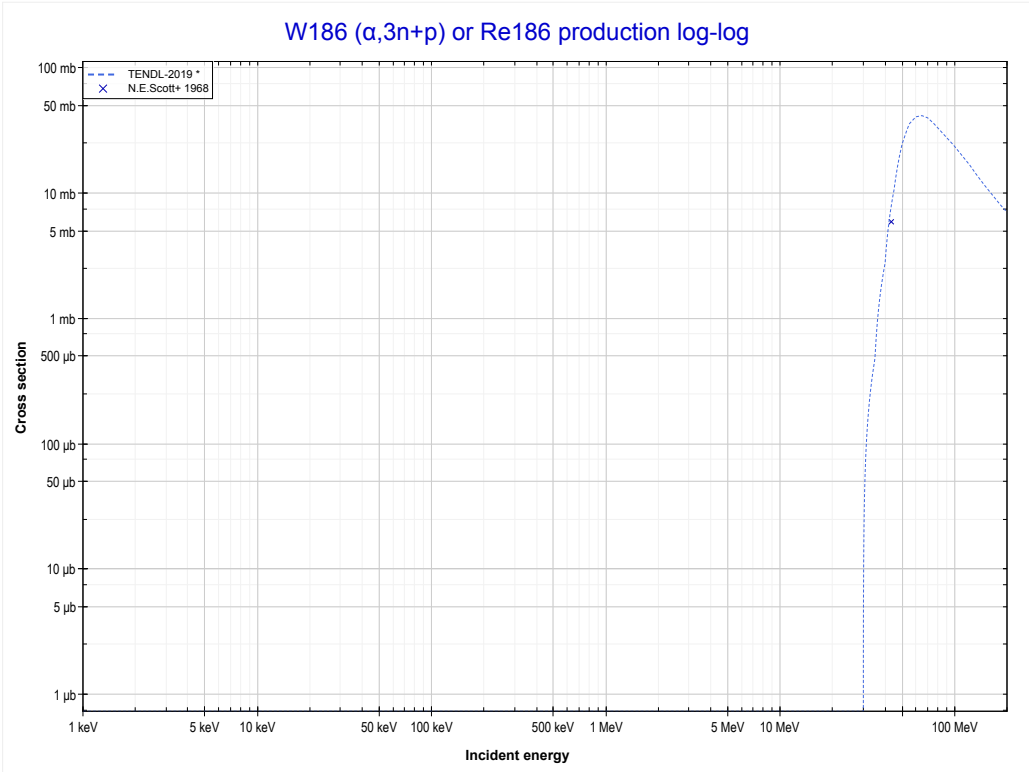
Reaction	Q-Value
W186(α,d)Re188	-14202.51 keV
W186($\alpha,n+p$)Re188	-16427.07 keV

<< 51-Sb-121	74-W-186	79-Au-197 >>
<< MT28 (α,n+p)	MT33 (α,n+t) or MT5 (Re186 production)	MT42 (α,3n+p) >>



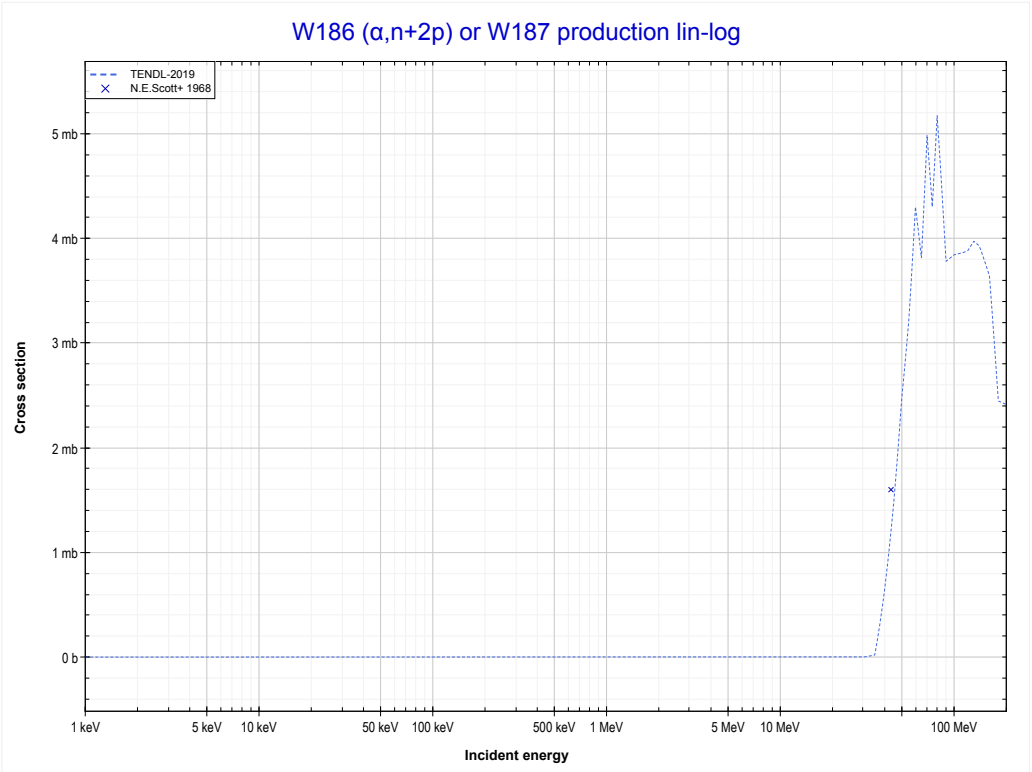
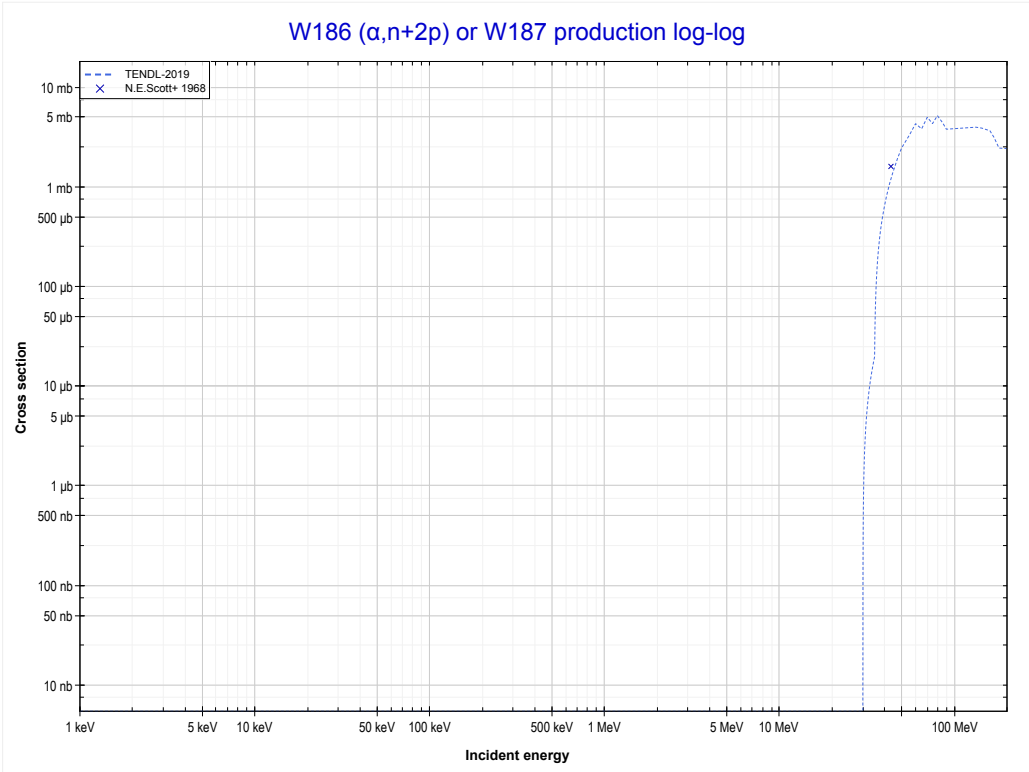
Reaction	Q-Value
W186(α,n+t)Re186	-21177.61 keV
W186(α,2n+d)Re186	-27434.84 keV
W186(α,3n+p)Re186	-29659.41 keV

<< 51-Sb-121	74-W-186	79-Au-197 >>
<< MT33 (α ,n+t)	MT42 (α ,3n+p) or MT5 (Re186 production)	MT44 (α ,n+2p) >>



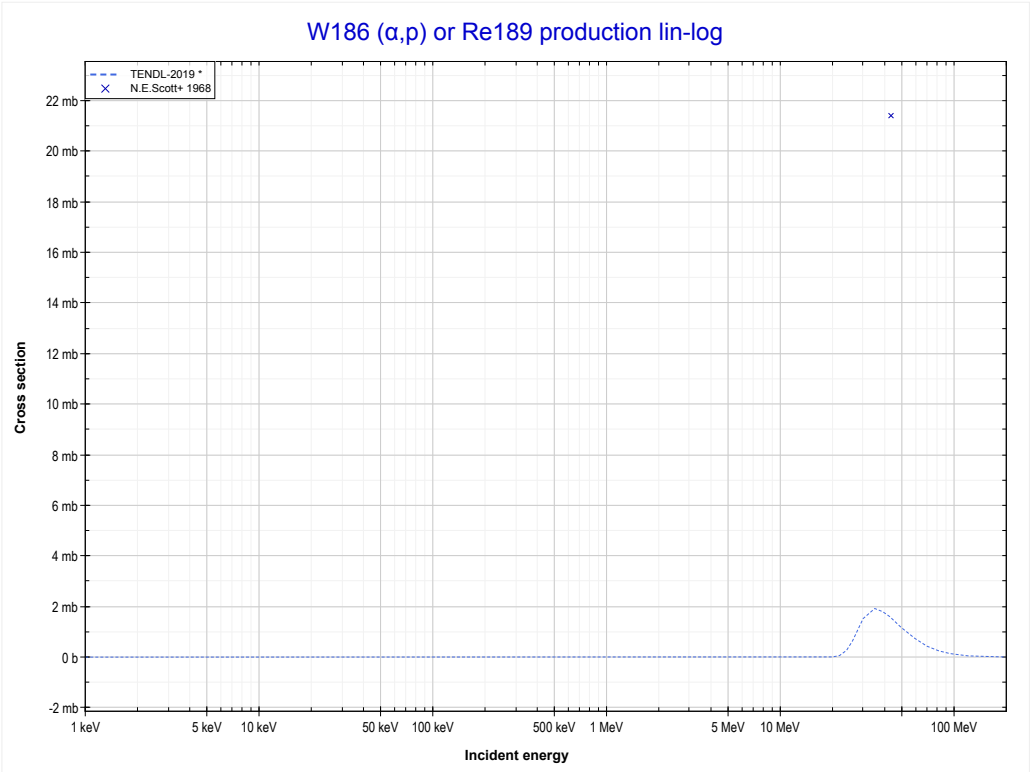
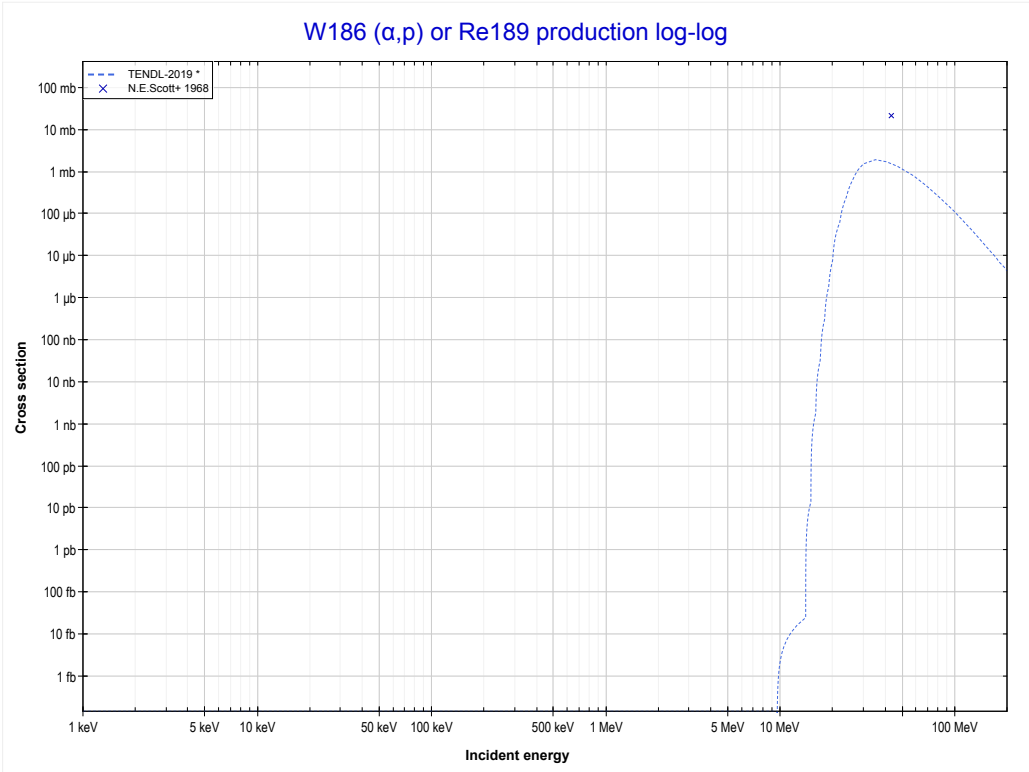
Reaction	Q-Value
W186(α ,n+t)Re186	-21177.61 keV
W186(α ,2n+d)Re186	-27434.84 keV
W186(α ,3n+p)Re186	-29659.41 keV

<< 65-Tb-159	74-W-186	75-Re-185 >>
<< MT42 (α,3n+p)	MT44 (α,n+2p) or MT5 (W187 production)	MT103 (α,p) >>



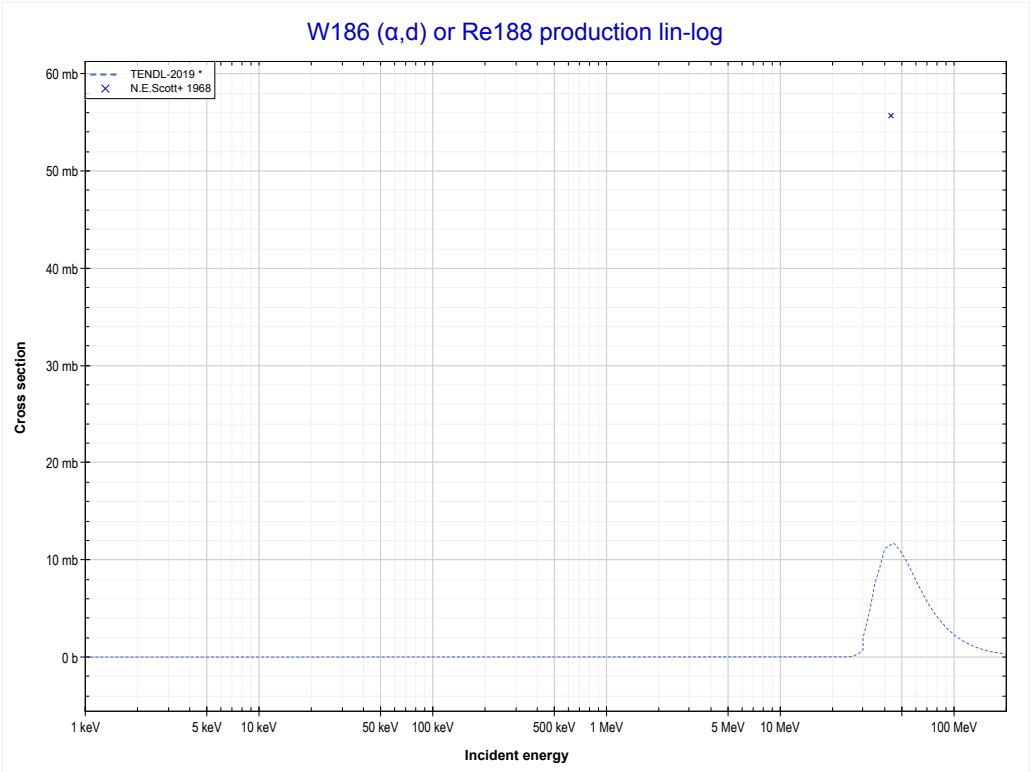
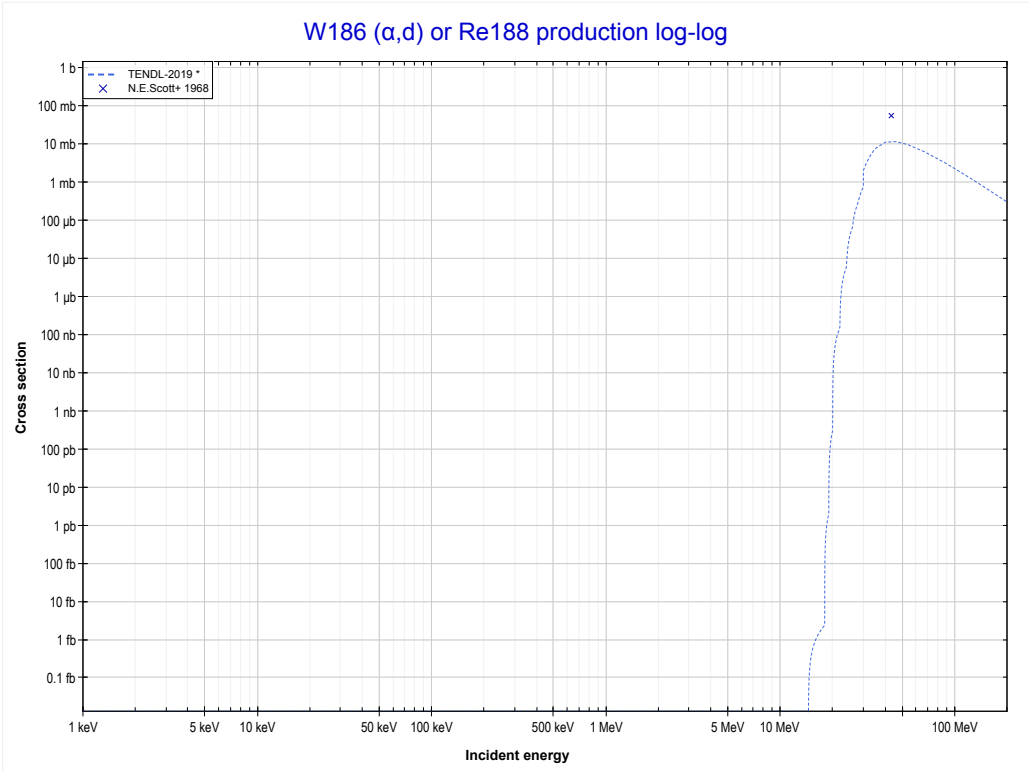
Reaction	Q-Value
W186(α,He3)W187	-15110.80 keV
W186(α,p+d)W187	-20604.28 keV
W186(α,n+2p)W187	-22828.84 keV

<< 56-Ba-138	74-W-186	82-Pb-208 >>
<< MT44 (α,n+2p)	MT103 (α,p) or MT5 (Re189 production)	MT104 (α,d) >>



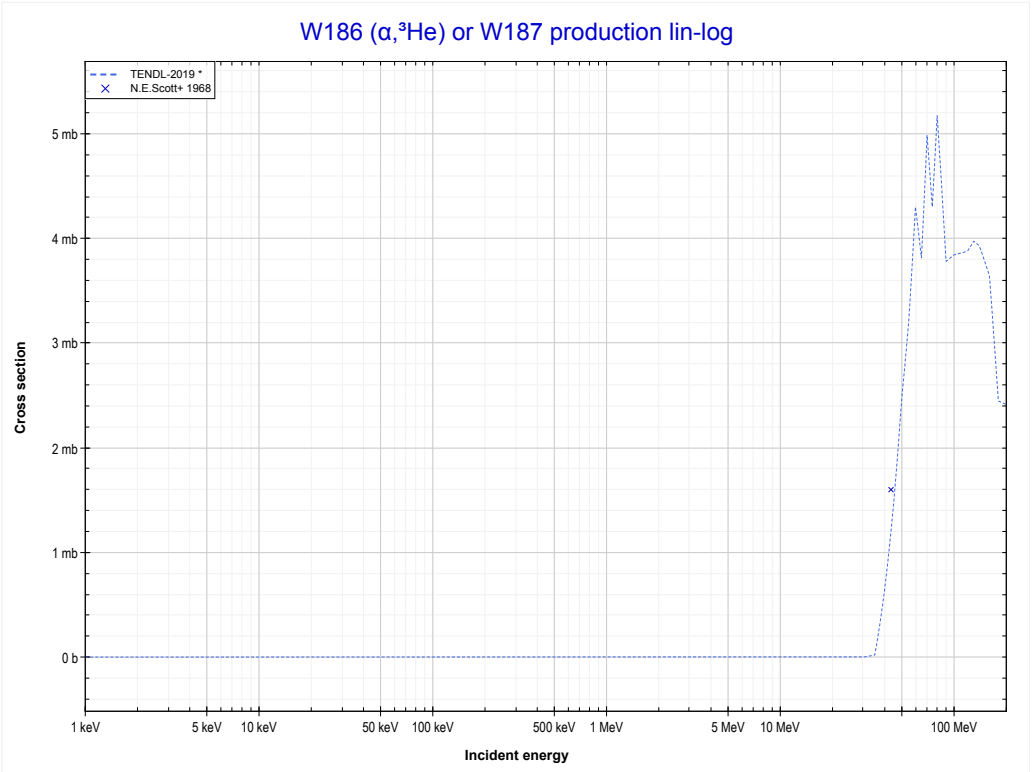
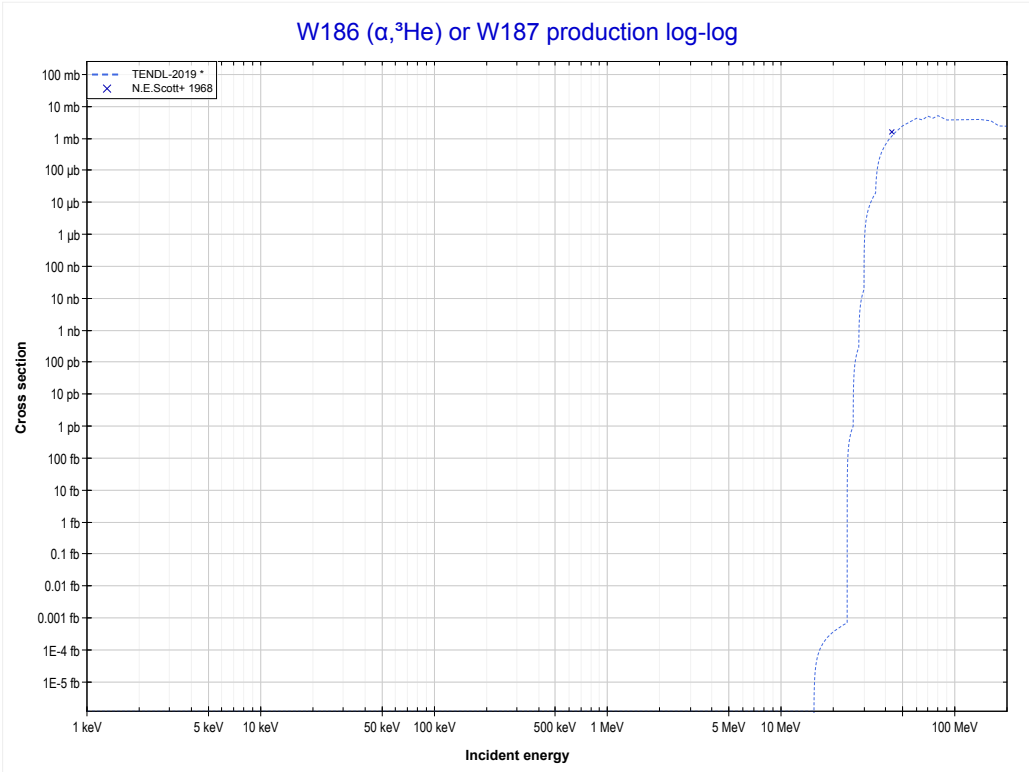
Reaction	Q-Value
W186(α,p)Re189	-9393.56 keV

<< 50-Sn-124	74-W-186	76-Os-192 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Re188 production)	MT106 (α, ³ He) >>



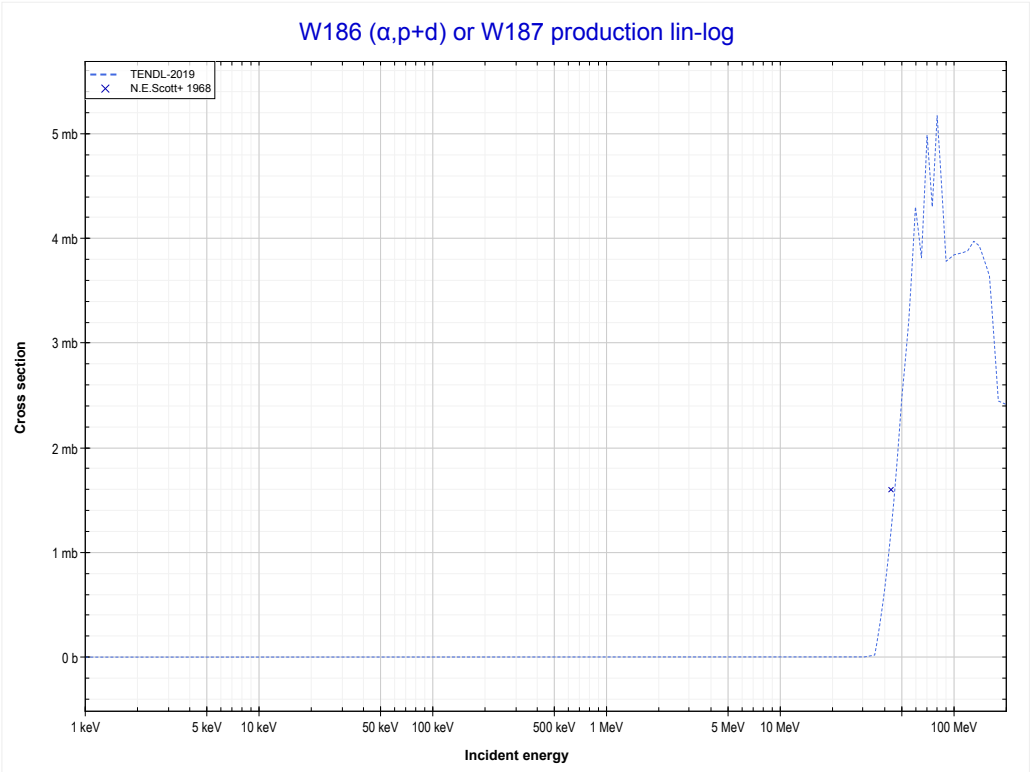
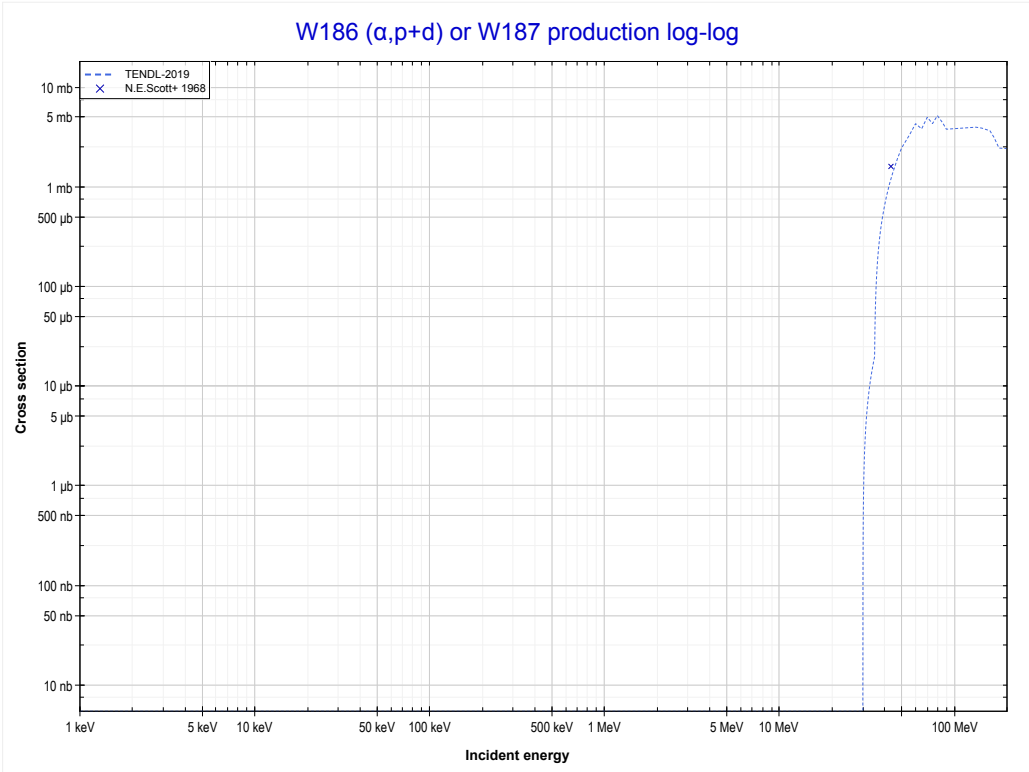
Reaction	Q-Value
W186(α,d)Re188	-14202.51 keV
W186(α,n+p)Re188	-16427.07 keV

<< 65-Tb-159	74-W-186	75-Re-185 >>
<< MT104 (α,d)	MT106 (α, ³ He) or MT5 (W187 production)	MT115 (α,p+d) >>



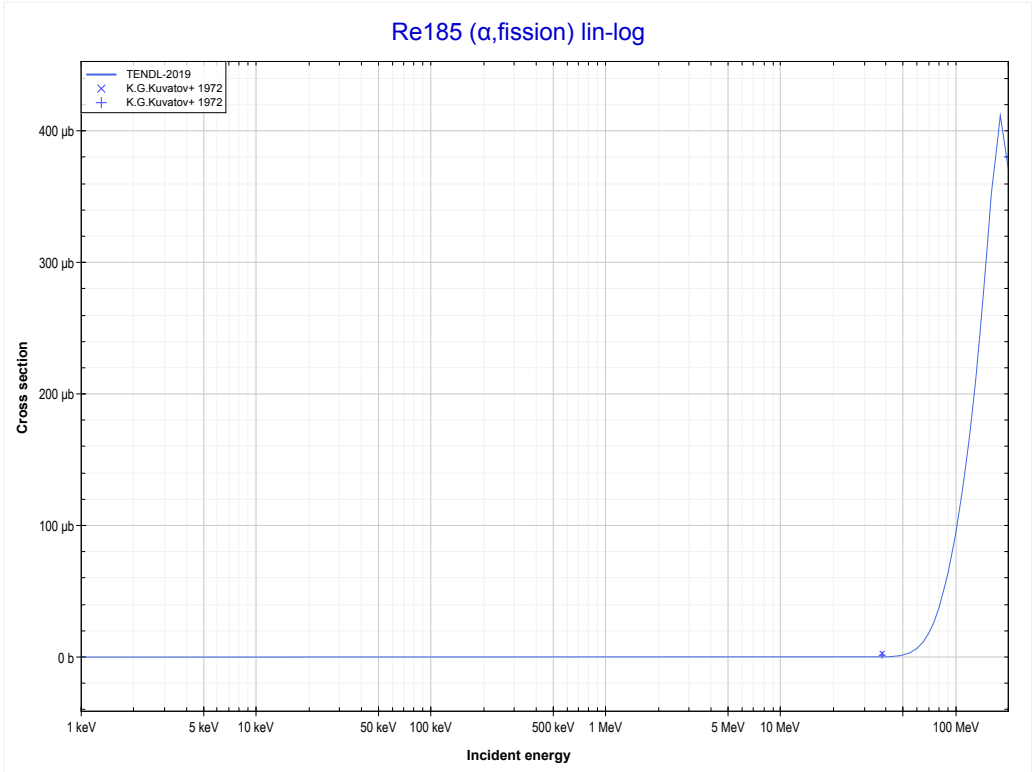
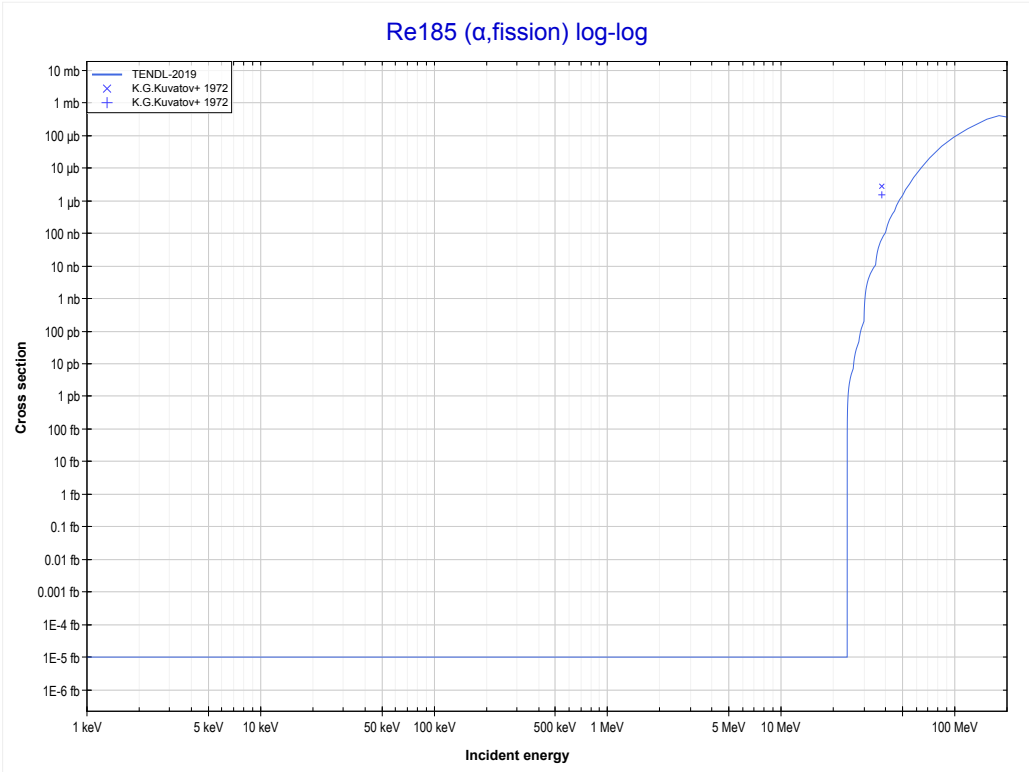
Reaction	Q-Value
W186(α,He3)W187	-15110.80 keV
W186(α,p+d)W187	-20604.28 keV
W186(α,n+2p)W187	-22828.84 keV

<< 65-Tb-159	74-W-186	75-Re-185 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (W187 production)	75-Re-185 MT18 (α ,fission) >>

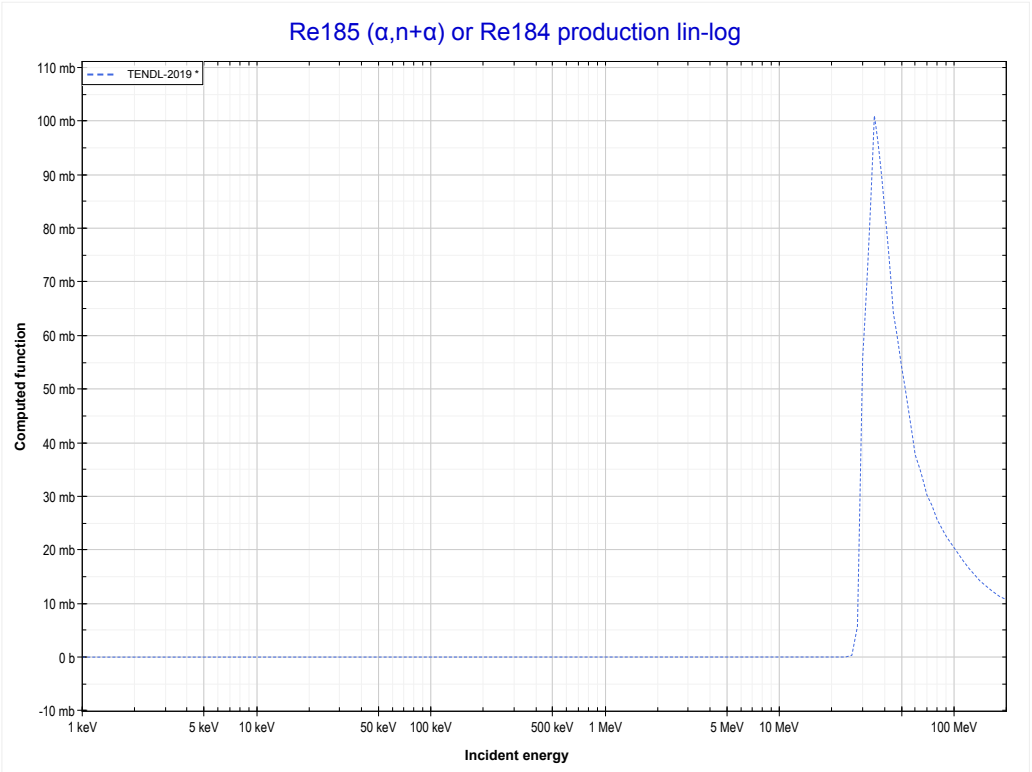
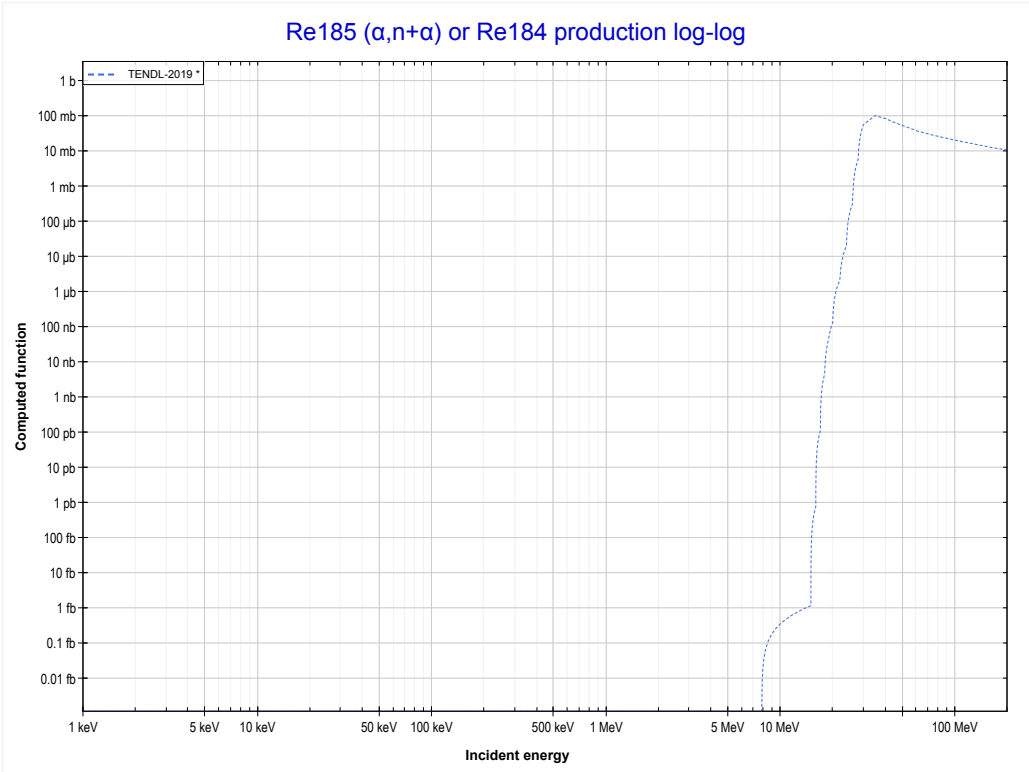


Reaction	Q-Value
W186(α ,He3)W187	-15110.80 keV
W186(α ,p+d)W187	-20604.28 keV
W186(α ,n+2p)W187	-22828.84 keV

<< 73-Ta-181	75-Re-185	75-Re-187 >>
<< 74-W-186 MT115 (α ,p+d)	MT18 (α ,fission)	MT22 (α ,n+ α) >>

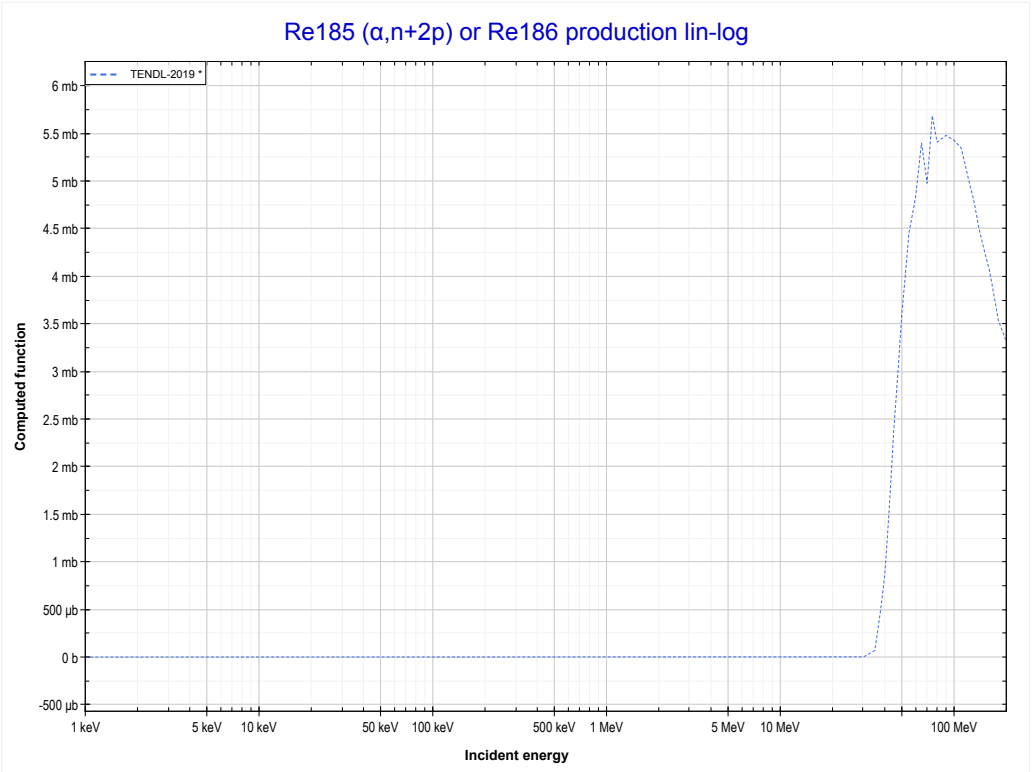
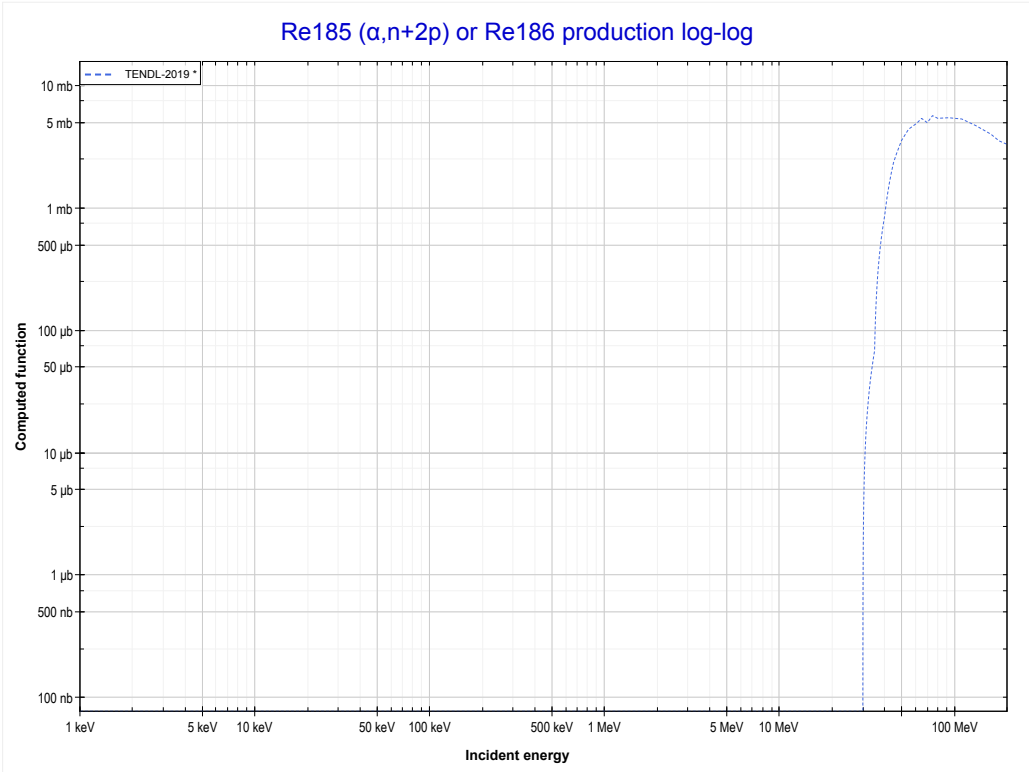


<< 69-Tm-169	75-Re-185	79-Au-197 >>
<< MT18 (α,fission)	MT22 (α,n+α) or MT5 (Re184 production)	MT44 (α,n+2p) >>



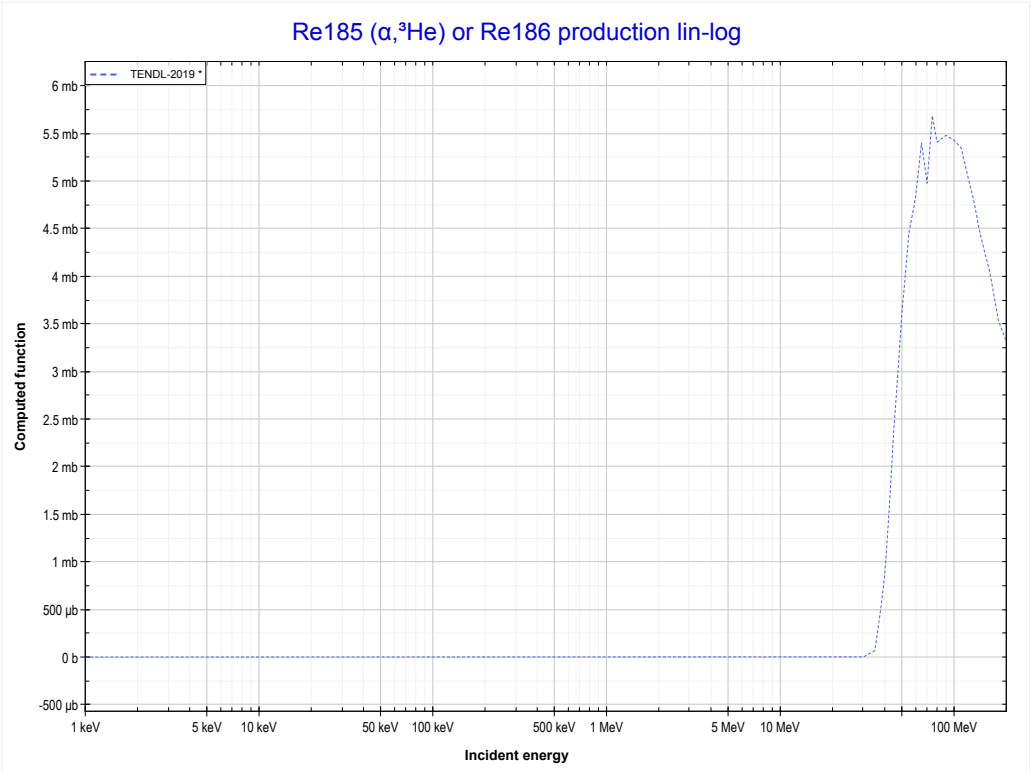
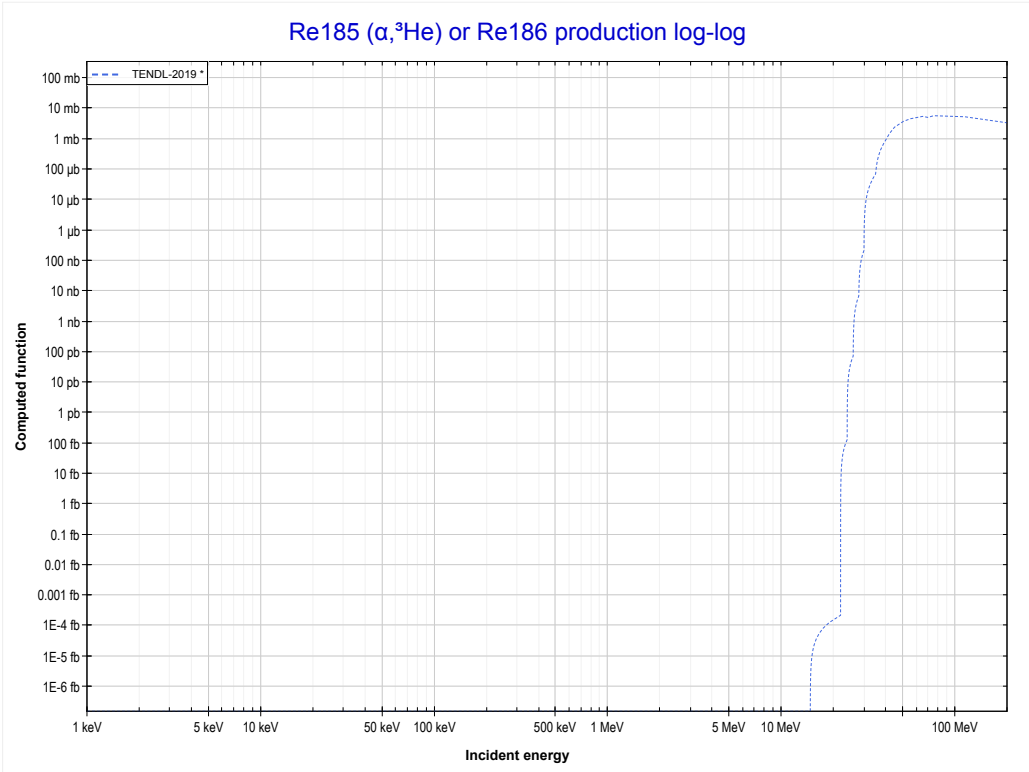
Reaction	Q-Value
Re185(α,n+α)Re184	-7670.32 keV
Re185(α,d+t)Re184	-25259.62 keV
Re185(α,n+p+t)Re184	-27484.18 keV
Re185(α,2n+He3)Re184	-28247.94 keV
Re185(α,n+2d)Re184	-31516.84 keV
Re185(α,2n+p+d)Re184	-33741.41 keV
Re185(α,3n+2p)Re184	-35965.98 keV

<< 74-W-186	75-Re-185	79-Au-197 >>
<< MT22 ($\alpha,n+\alpha$)	MT44 ($\alpha,n+2p$) or MT5 (Re186 production)	MT106 ($\alpha,^3\text{He}$) >>



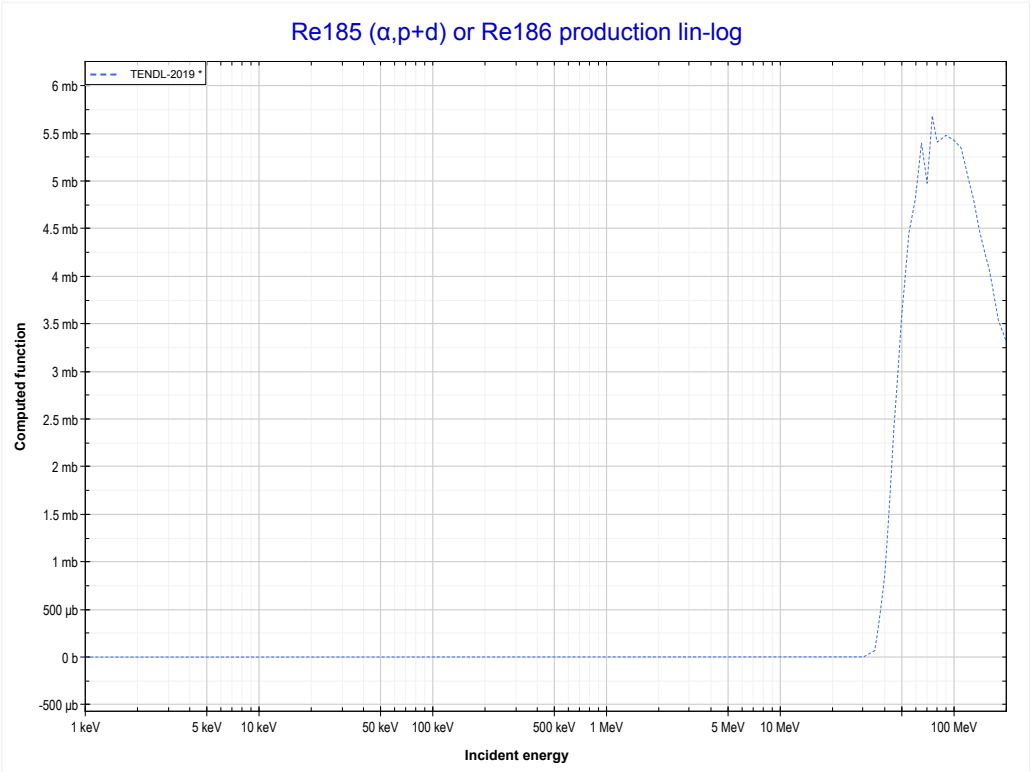
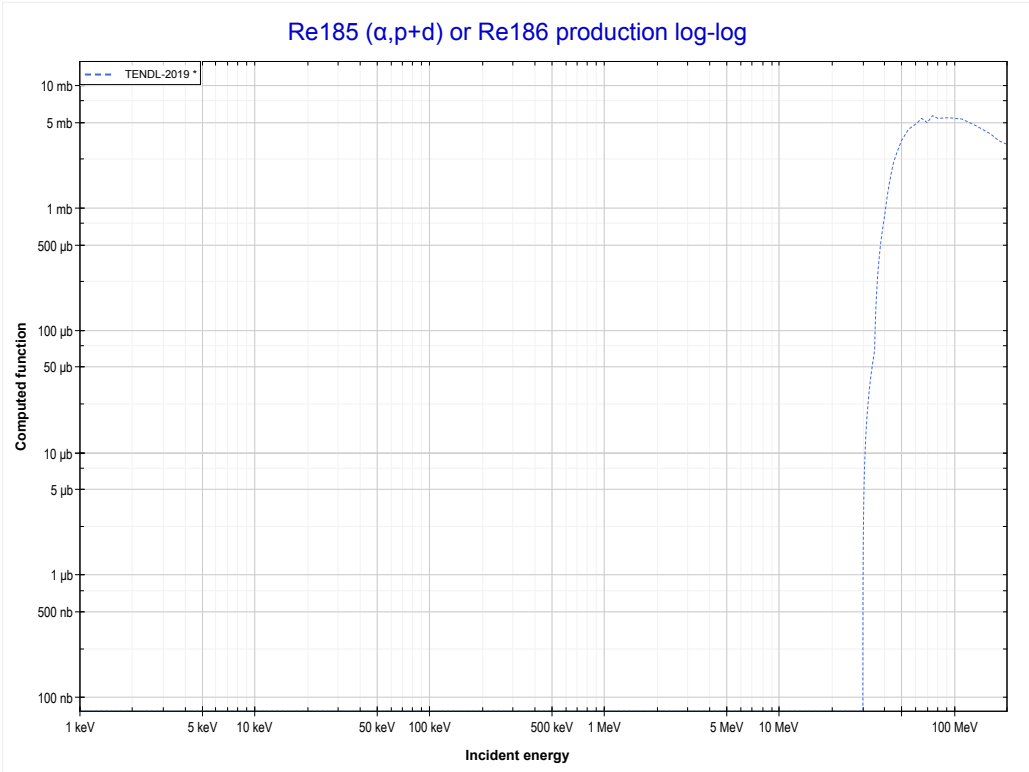
Reaction	Q-Value
Re185($\alpha,\text{He3}$)Re186	-14398.20 keV
Re185($\alpha,p+d$)Re186	-19891.68 keV
Re185($\alpha,n+2p$)Re186	-22116.24 keV

<< 74-W-186	75-Re-185	79-Au-197 >>
<< MT44 ($\alpha,n+2p$)	MT106 ($\alpha,^3\text{He}$) or MT5 (Re186 production)	MT115 ($\alpha,p+d$) >>



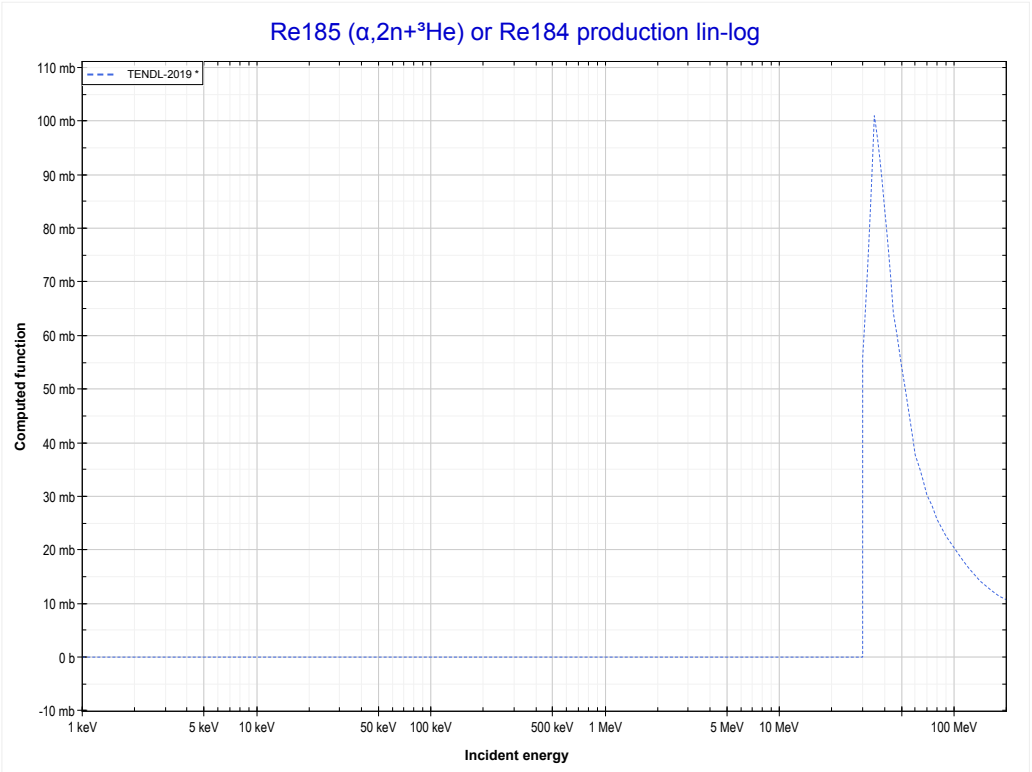
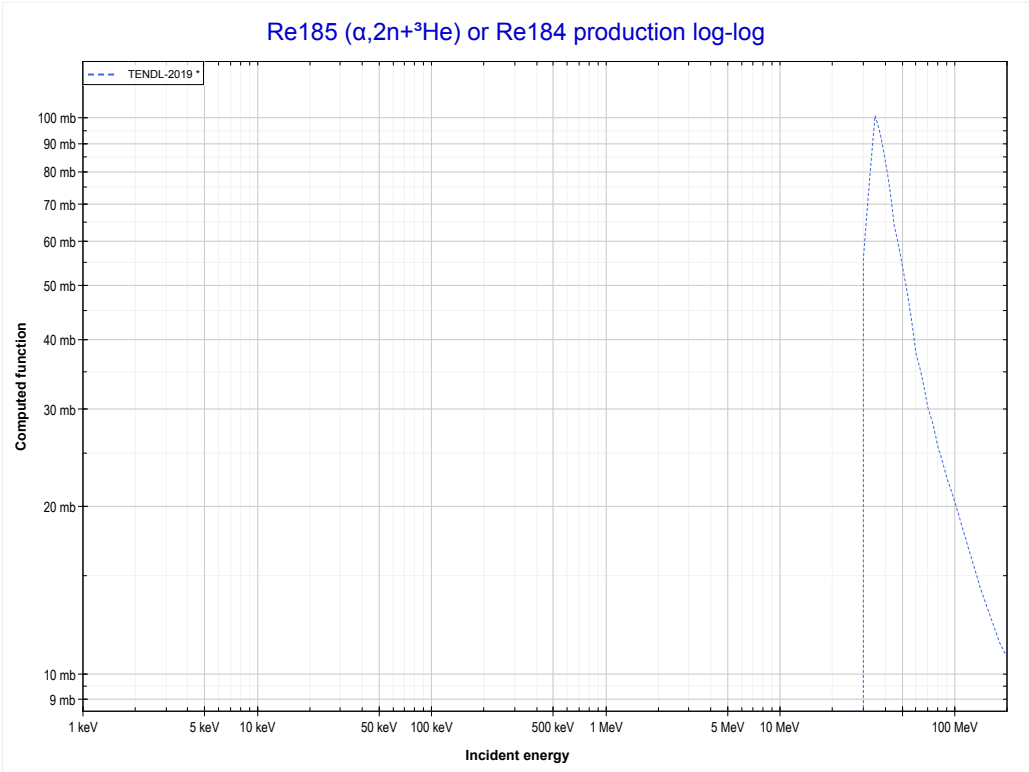
Reaction	Q-Value
Re185($\alpha,\text{He3}$)Re186	-14398.20 keV
Re185($\alpha,p+d$)Re186	-19891.68 keV
Re185($\alpha,n+2p$)Re186	-22116.24 keV

<< 74-W-186	75-Re-185	79-Au-197 >>
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Re186 production)	MT176 (α ,2n+ ^3He) >>



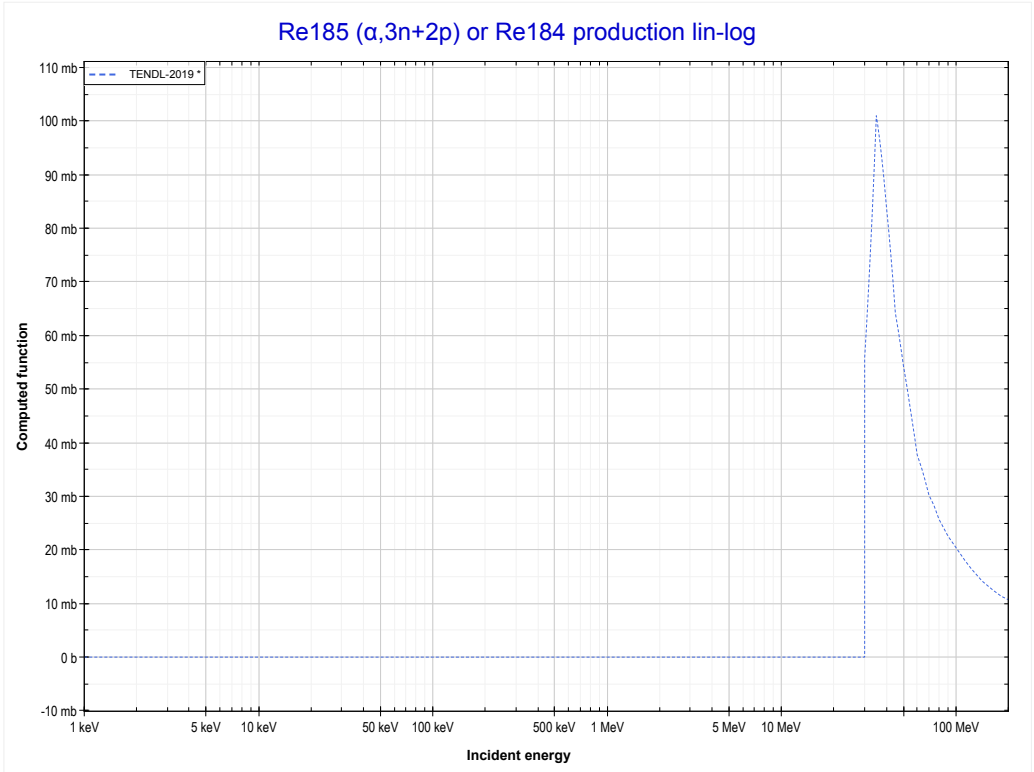
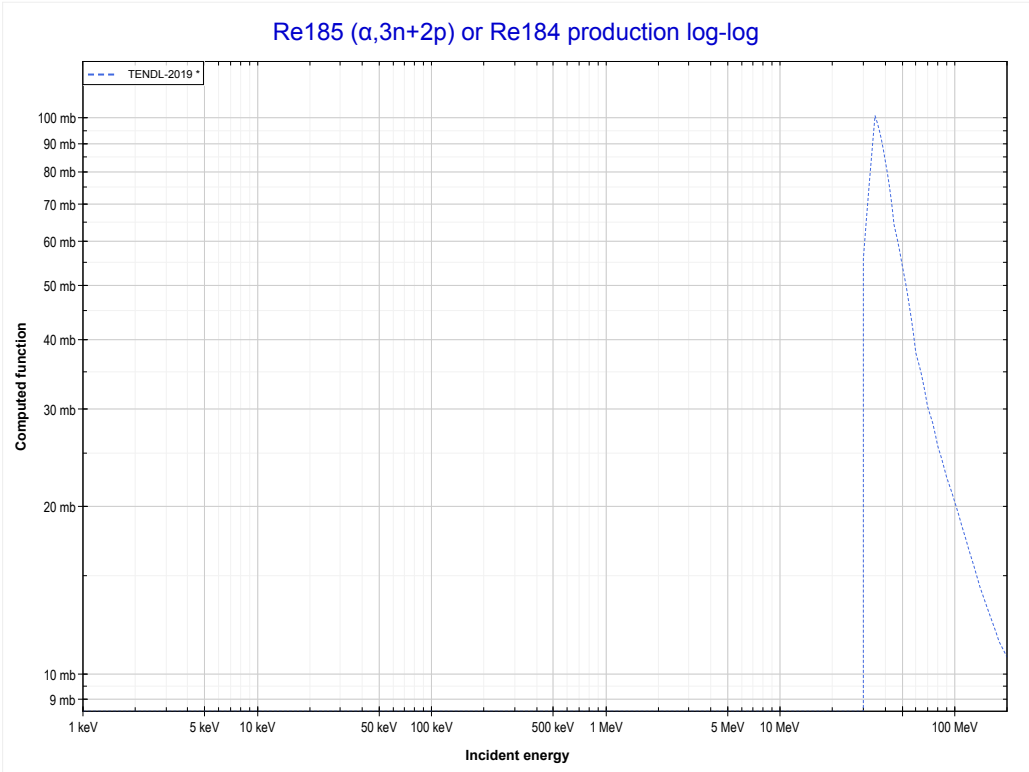
Reaction	Q-Value
Re185(α ,He3)Re186	-14398.20 keV
Re185(α ,p+d)Re186	-19891.68 keV
Re185(α ,n+2p)Re186	-22116.24 keV

<< 65-Tb-159	75-Re-185	79-Au-197 >>
<< MT115 (α ,p+d)	MT176 (α ,2n+ ^3He) or MT5 (Re184 production)	MT179 (α ,3n+2p) >>



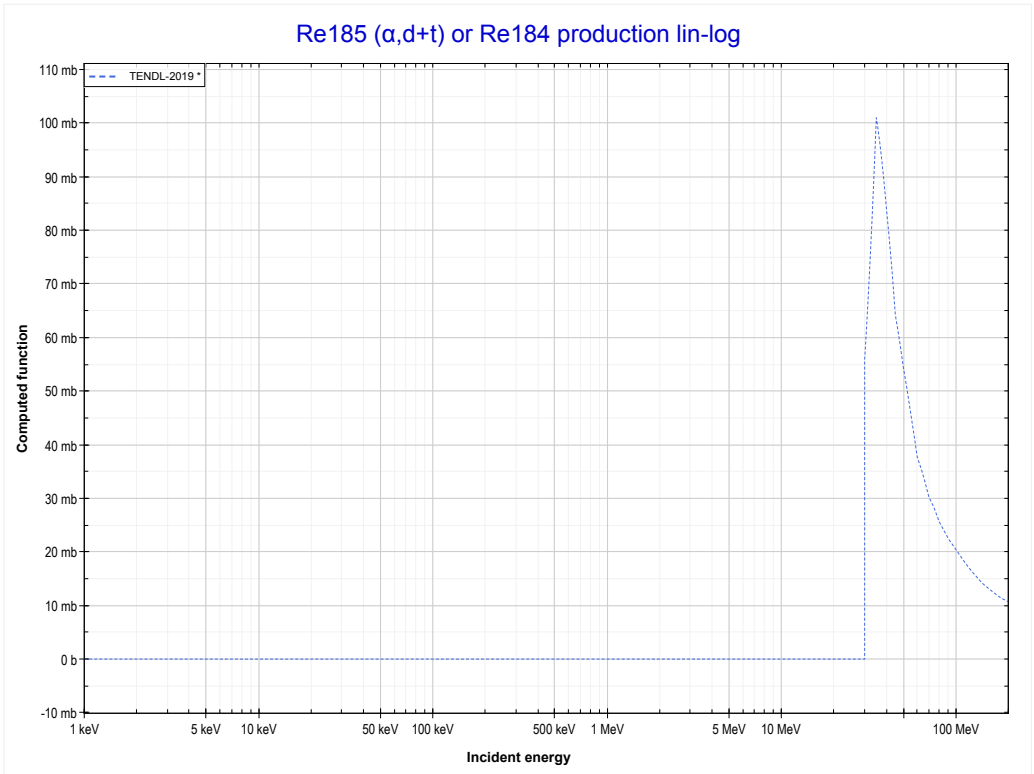
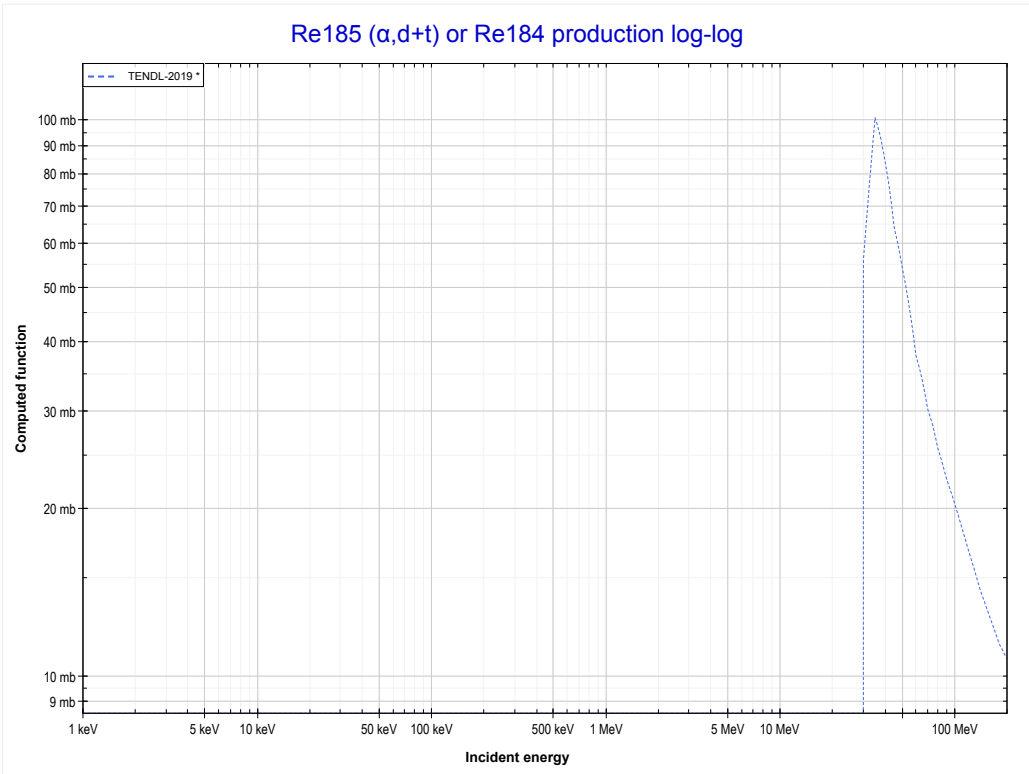
Reaction	Q-Value
Re185(α ,n+ α)Re184	-7670.32 keV
Re185(α ,d+t)Re184	-25259.62 keV
Re185(α ,n+p+t)Re184	-27484.18 keV
Re185(α ,2n+He3)Re184	-28247.94 keV
Re185(α ,n+2d)Re184	-31516.84 keV
Re185(α ,2n+p+d)Re184	-33741.41 keV
Re185(α ,3n+2p)Re184	-35965.98 keV

<< 65-Tb-159	75-Re-185	79-Au-197 >>
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Re184 production)	MT182 ($\alpha,d+t$) >>



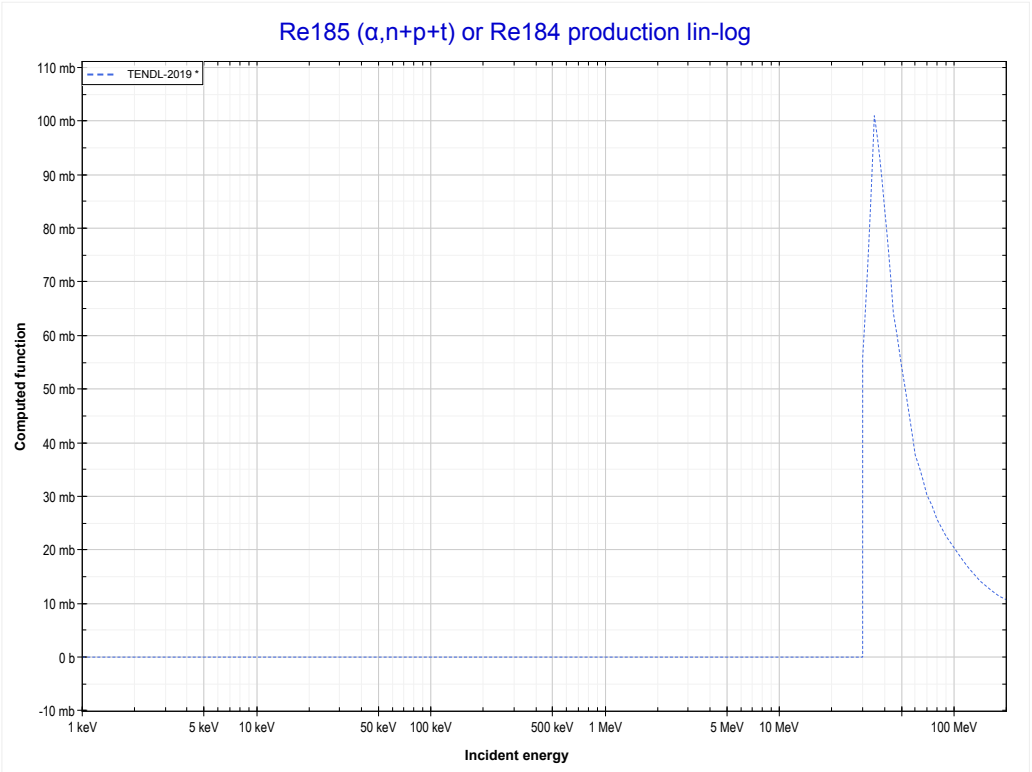
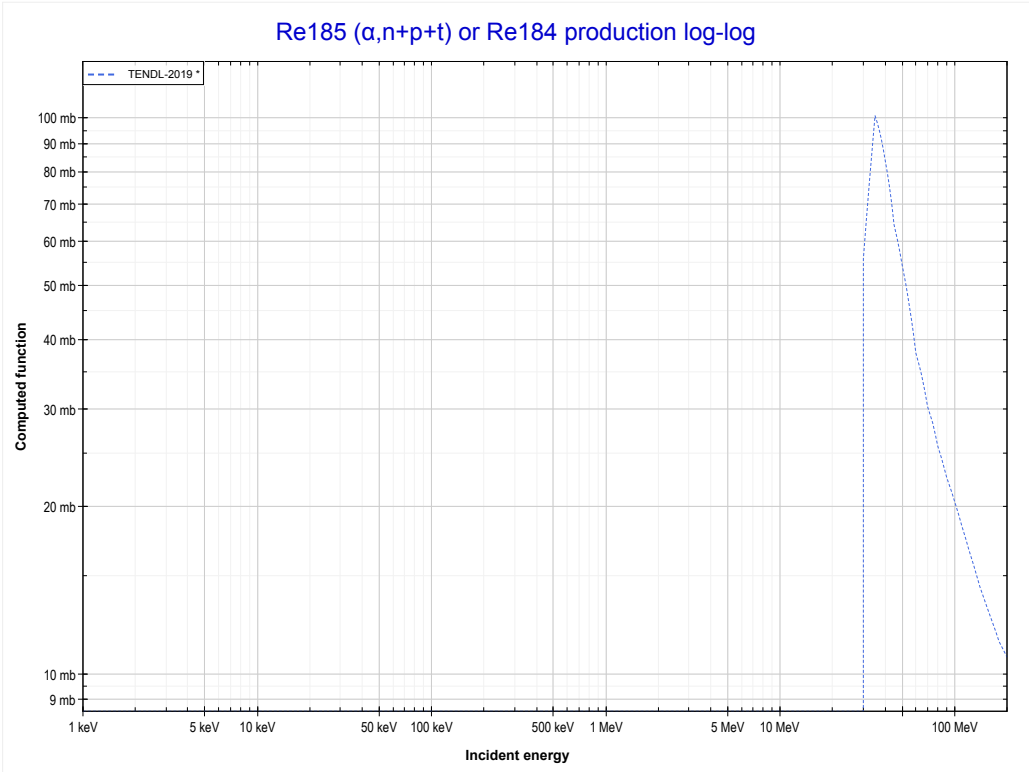
Reaction	Q-Value
Re185($\alpha,n+\alpha$)Re184	-7670.32 keV
Re185($\alpha,d+t$)Re184	-25259.62 keV
Re185($\alpha,n+p+t$)Re184	-27484.18 keV
Re185($\alpha,2n+^3\text{He}$)Re184	-28247.94 keV
Re185($\alpha,n+2d$)Re184	-31516.84 keV
Re185($\alpha,2n+p+d$)Re184	-33741.41 keV
Re185($\alpha,3n+2p$)Re184	-35965.98 keV

<< 65-Tb-159	75-Re-185	79-Au-197 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Re184 production)	MT184 ($\alpha,n+p+t$) >>



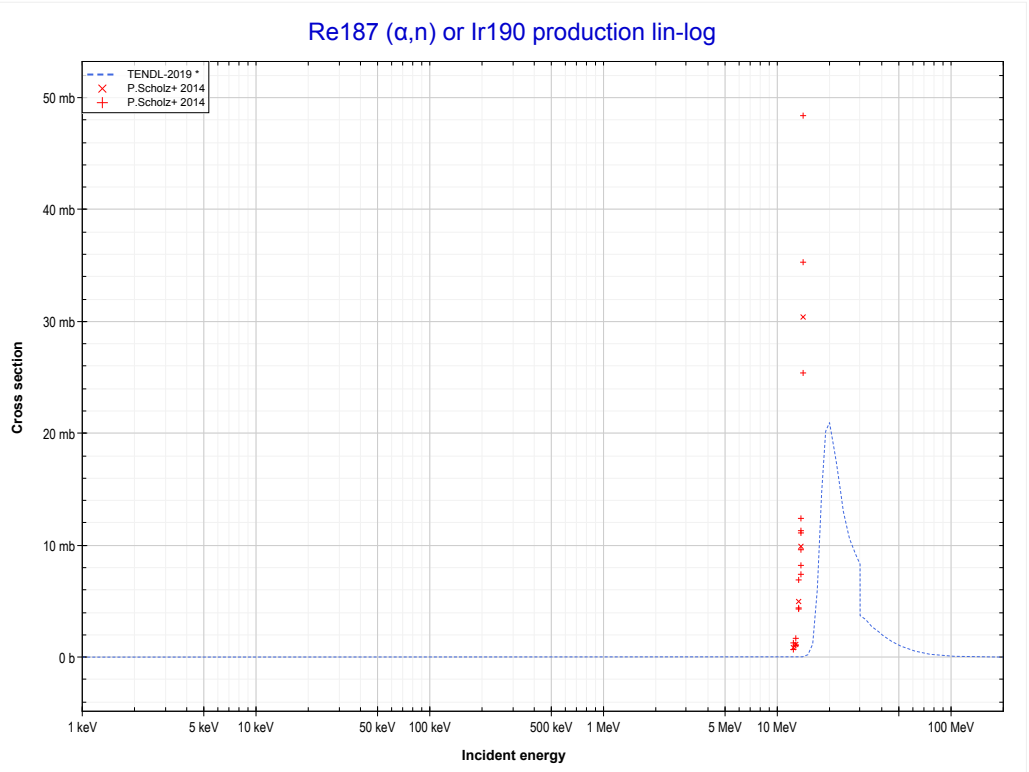
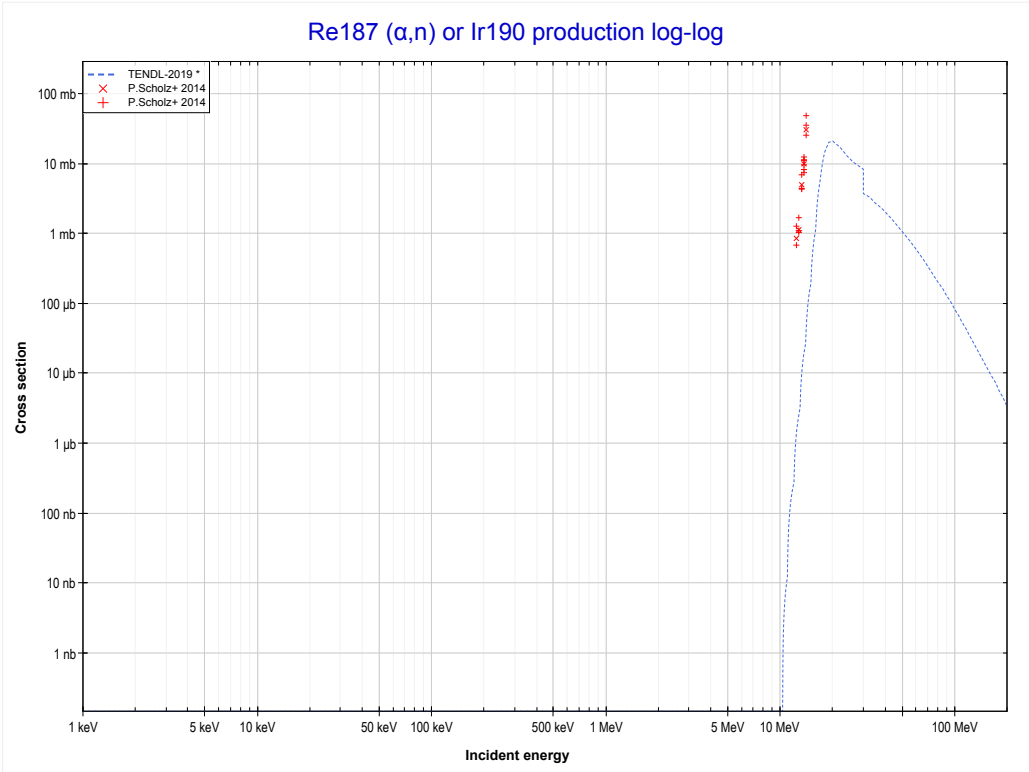
Reaction	Q-Value
Re185($\alpha,n+\alpha$)Re184	-7670.32 keV
Re185($\alpha,d+t$)Re184	-25259.62 keV
Re185($\alpha,n+p+t$)Re184	-27484.18 keV
Re185($\alpha,2n+He3$)Re184	-28247.94 keV
Re185($\alpha,n+2d$)Re184	-31516.84 keV
Re185($\alpha,2n+p+d$)Re184	-33741.41 keV
Re185($\alpha,3n+2p$)Re184	-35965.98 keV

<< 65-Tb-159	75-Re-185	79-Au-197 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Re184 production)	75-Re-187 MT4 (α,n) >>



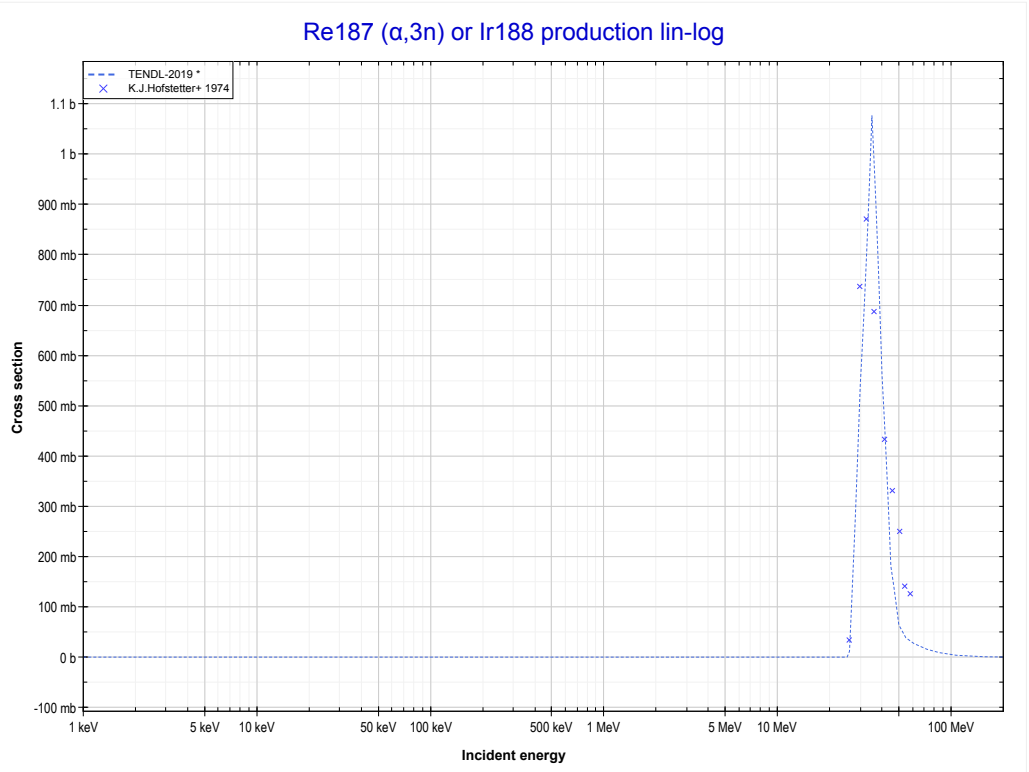
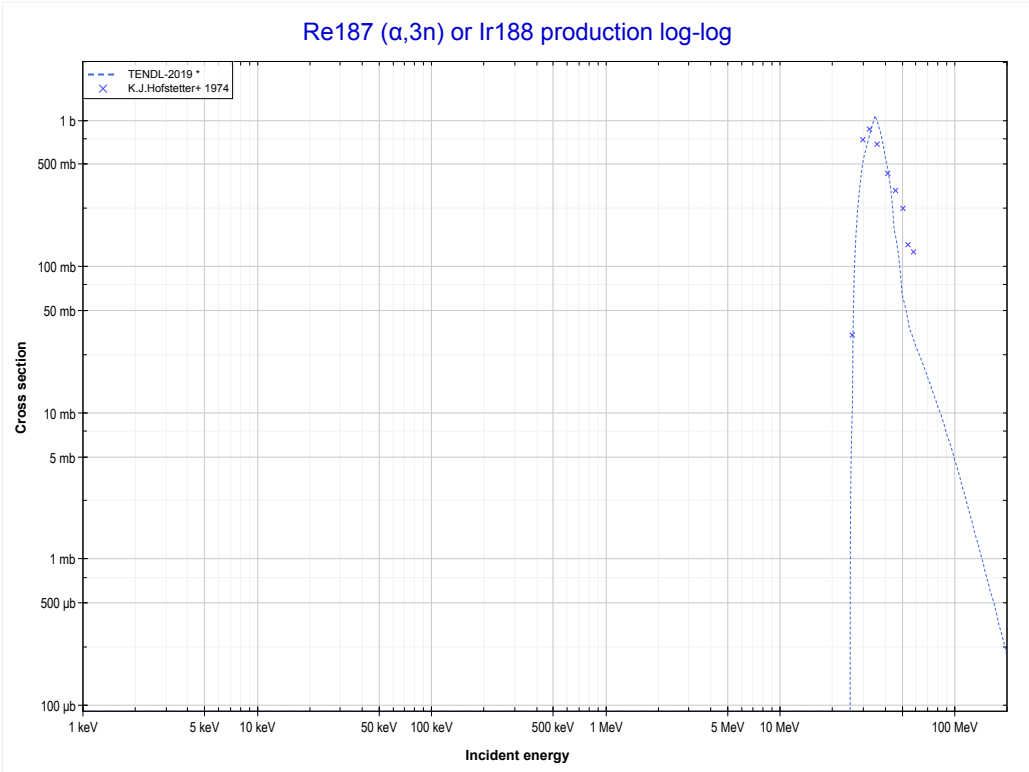
Reaction	Q-Value
Re185(α,n+α)Re184	-7670.32 keV
Re185(α,d+t)Re184	-25259.62 keV
Re185(α,n+p+t)Re184	-27484.18 keV
Re185(α,2n+He3)Re184	-28247.94 keV
Re185(α,n+2d)Re184	-31516.84 keV
Re185(α,2n+p+d)Re184	-33741.41 keV
Re185(α,3n+2p)Re184	-35965.98 keV

<< 73-Ta-181	75-Re-187	76-Os-192 >>
<< 75-Re-185 MT184 (α,n+p+t)	MT4 (α,n) or MT5 (Ir190 production)	MT17 (α,3n) >>



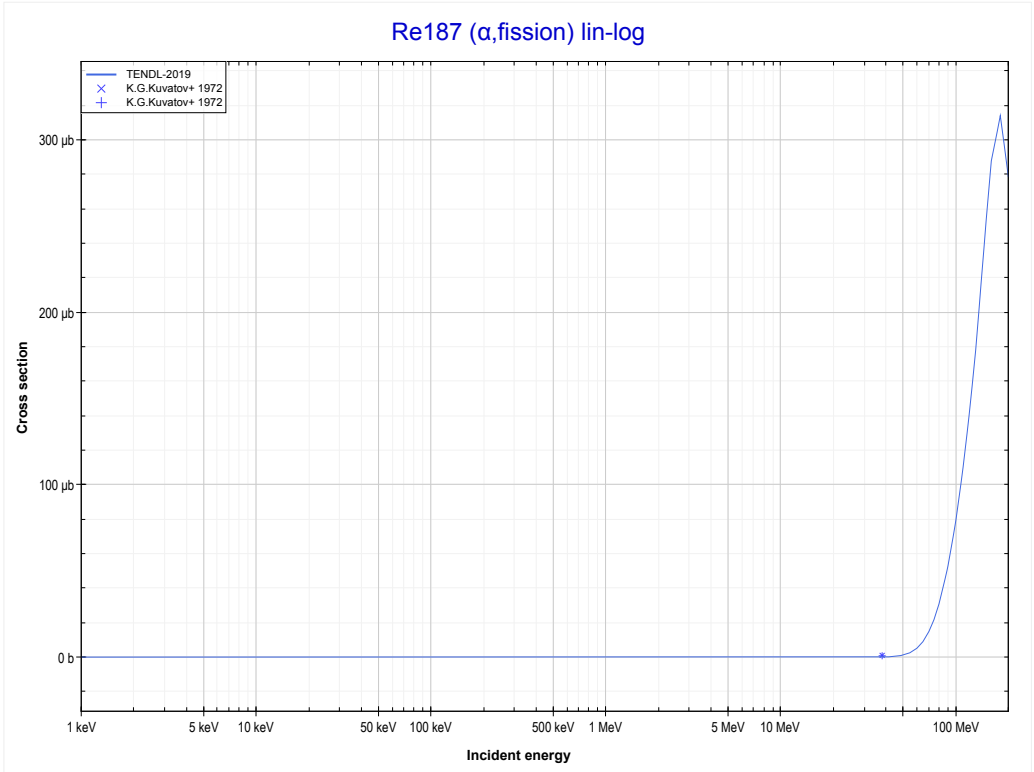
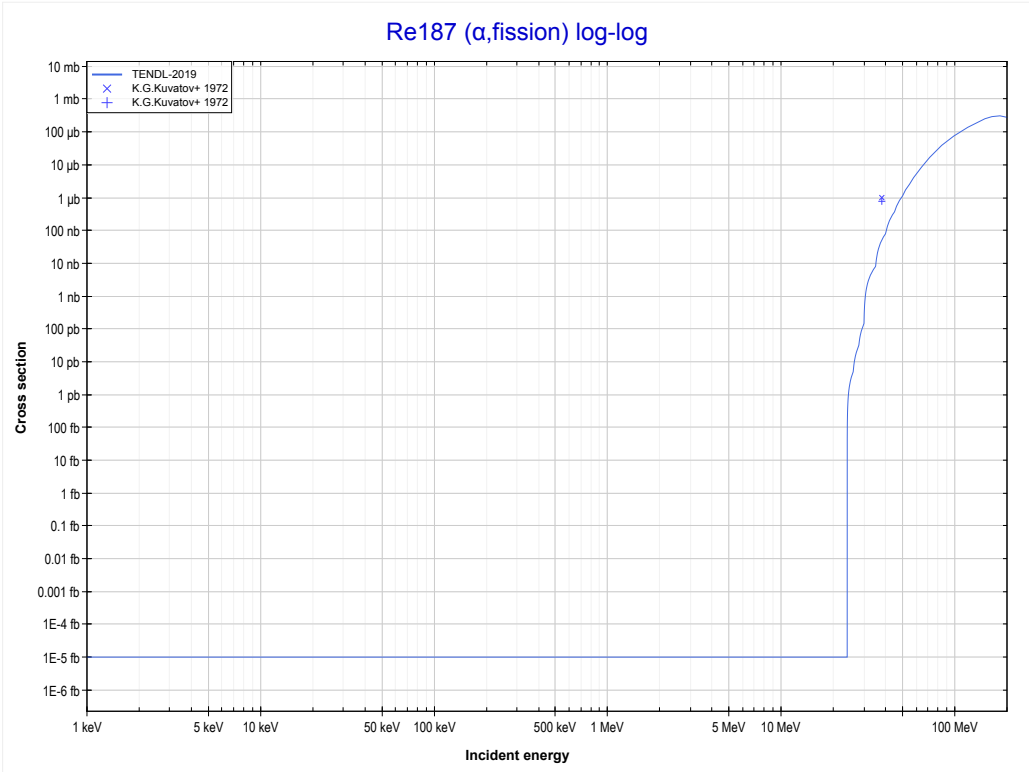
Reaction	Q-Value
Re187(α,n)Ir190	-10109.40 keV

<< 73-Ta-181	75-Re-187	76-Os-192 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Ir188 production)	MT18 (α,fission) >>

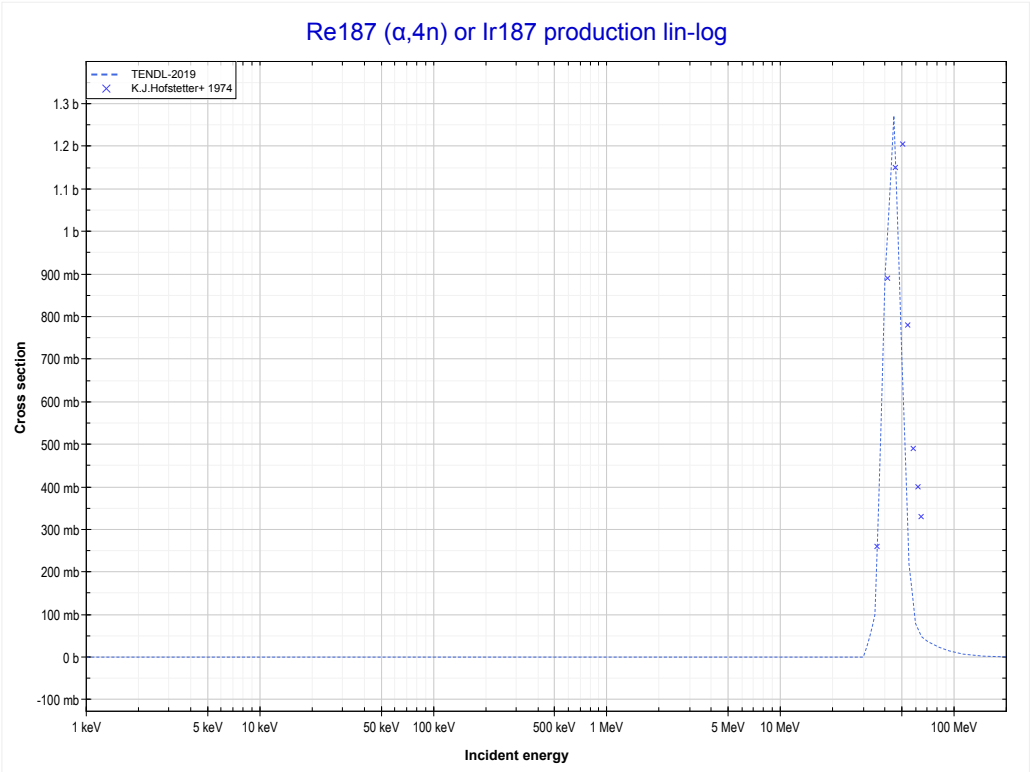
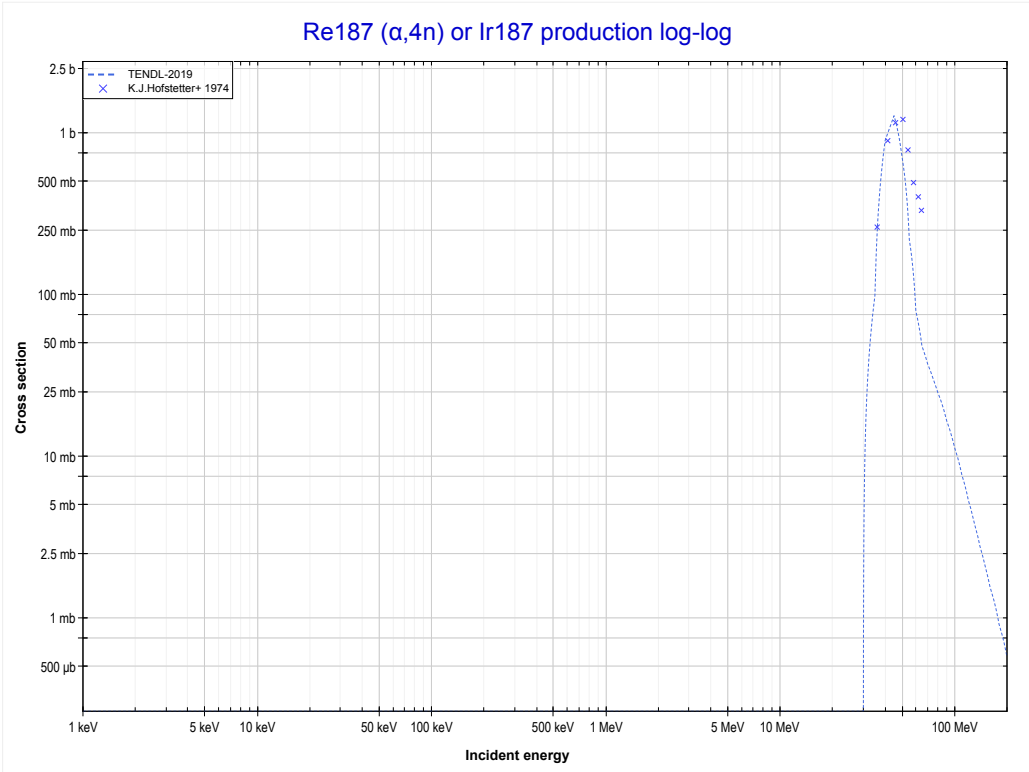


Reaction	Q-Value
Re187(α,3n)Ir188	-24660.54 keV

<< 75-Re-185	75-Re-187	76-Os-188 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT37 ($\alpha,4n$) >>

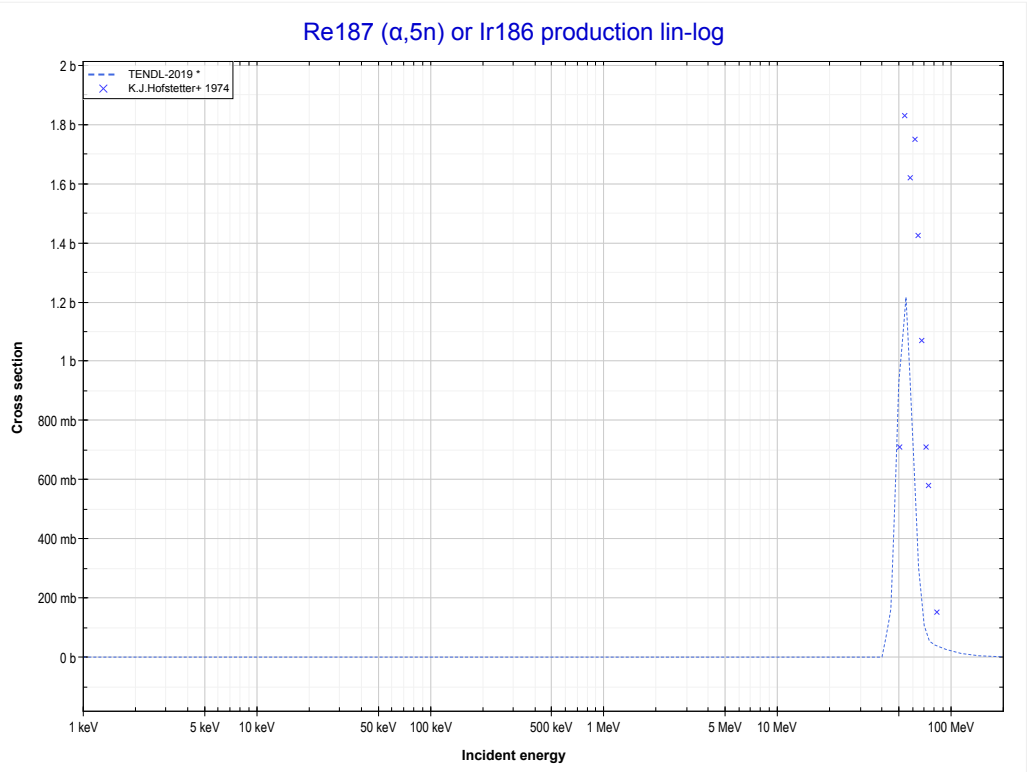
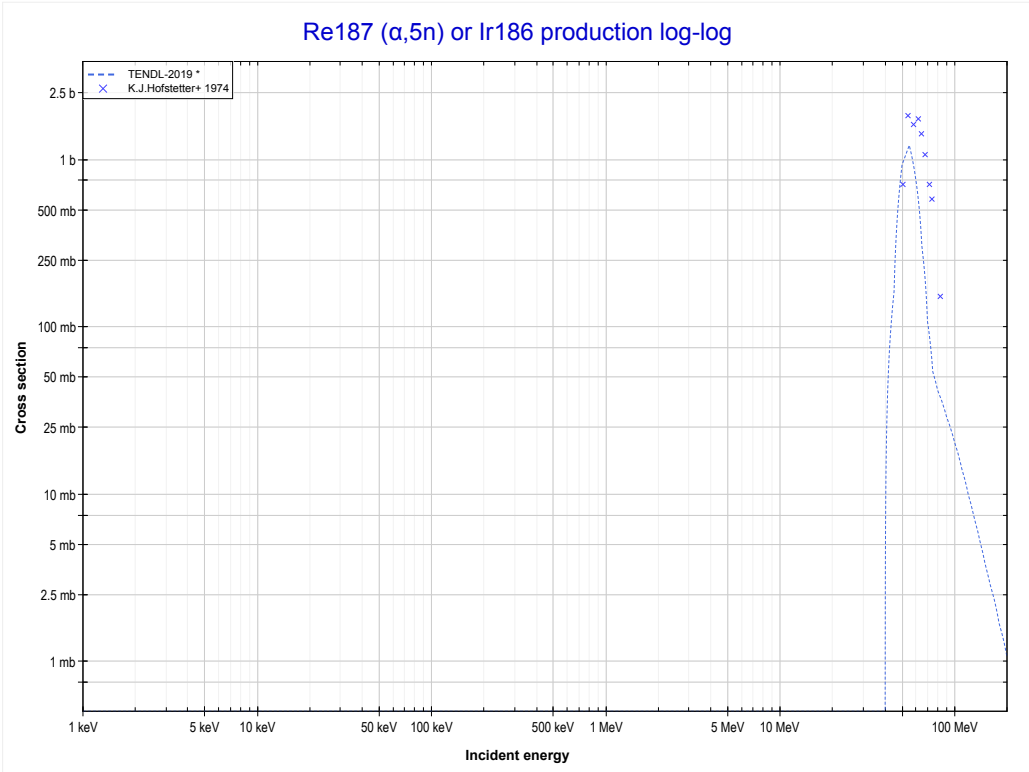


<< 73-Ta-181	75-Re-187	77-Ir-191 >>
<< MT18 (α,fission)	MT37 (α,4n) or MT5 (Ir187 production)	MT152 (α,5n) >>



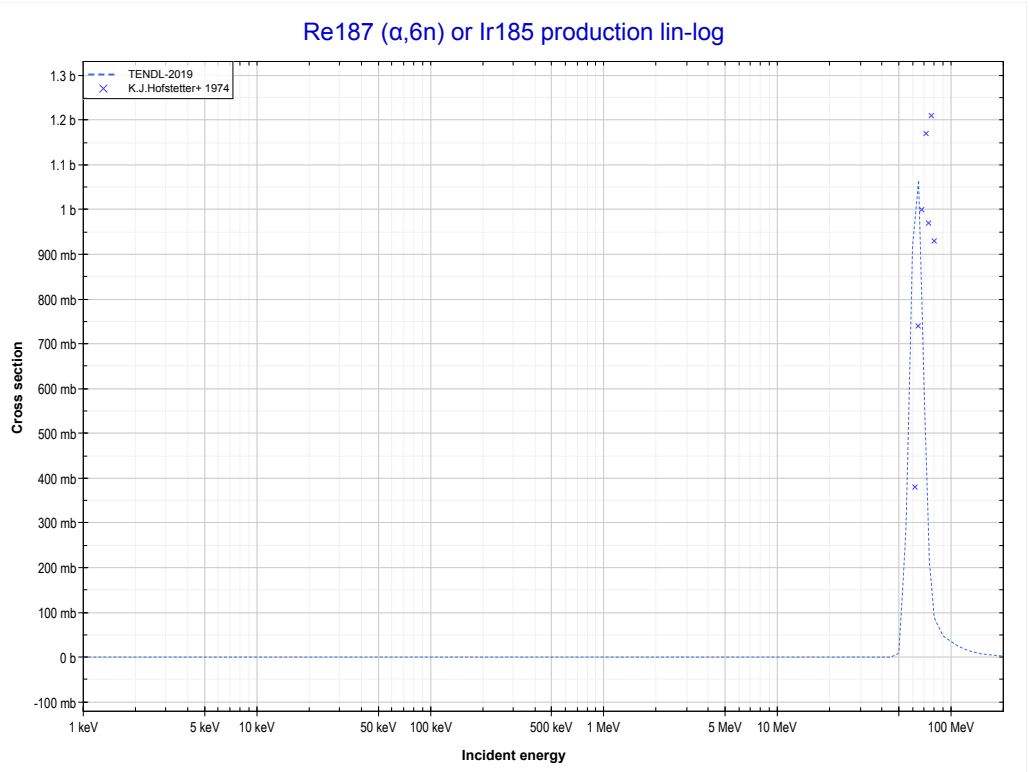
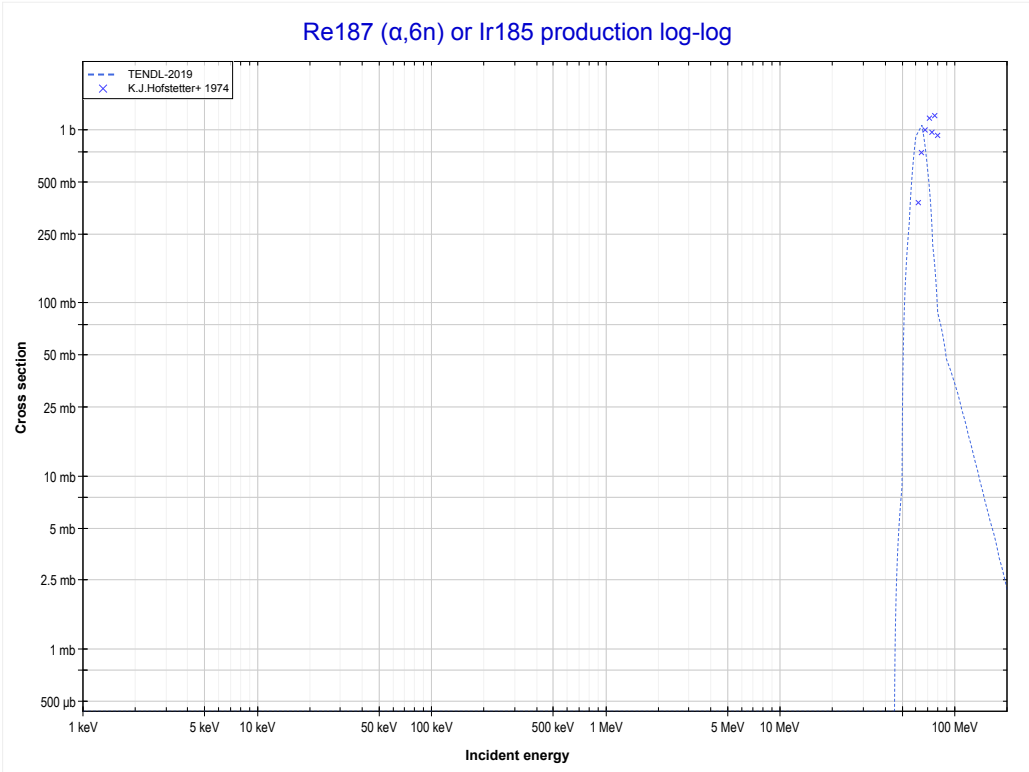
Reaction	Q-Value
Re187(α,4n)Ir187	-31527.85 keV

<< 73-Ta-181	75-Re-187	77-Ir-191 >>
<< MT37 ($\alpha,4n$)	MT152 ($\alpha,5n$) or MT5 (Ir186 production)	MT153 ($\alpha,6n$) >>



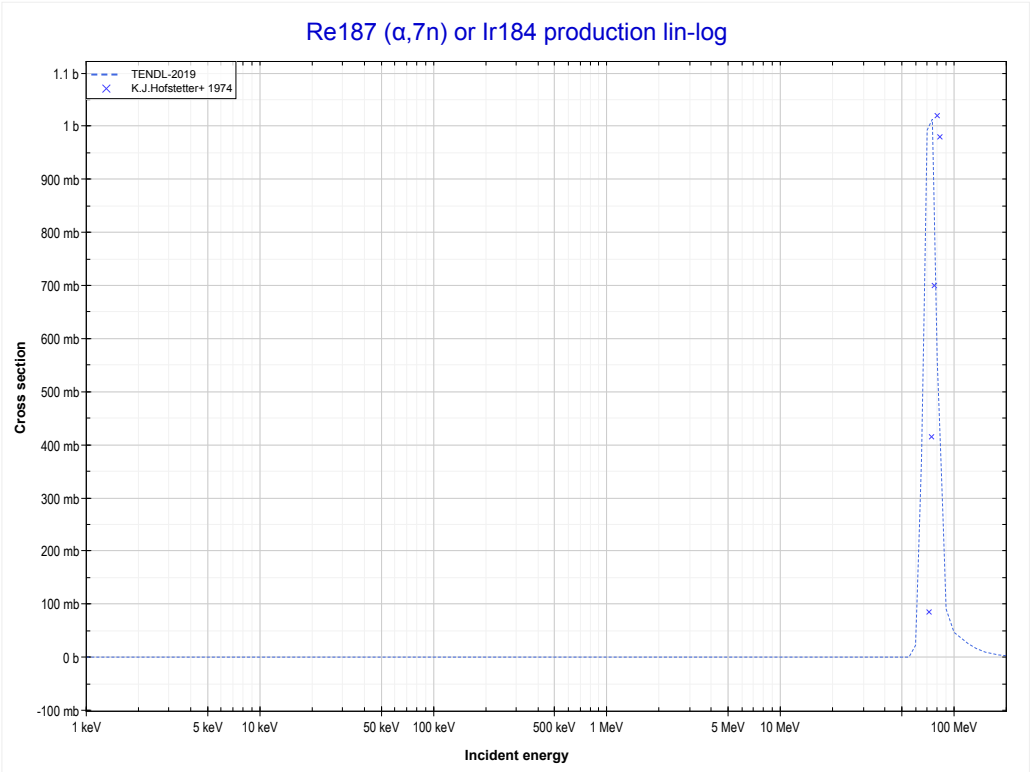
Reaction	Q-Value
Re187($\alpha,5n$)Ir186	-39976.17 keV

<< 73-Ta-181	75-Re-187	79-Au-197 >>
<< MT152 (α,5n)	MT153 (α,6n) or MT5 (Ir185 production)	MT160 (α,7n) >>



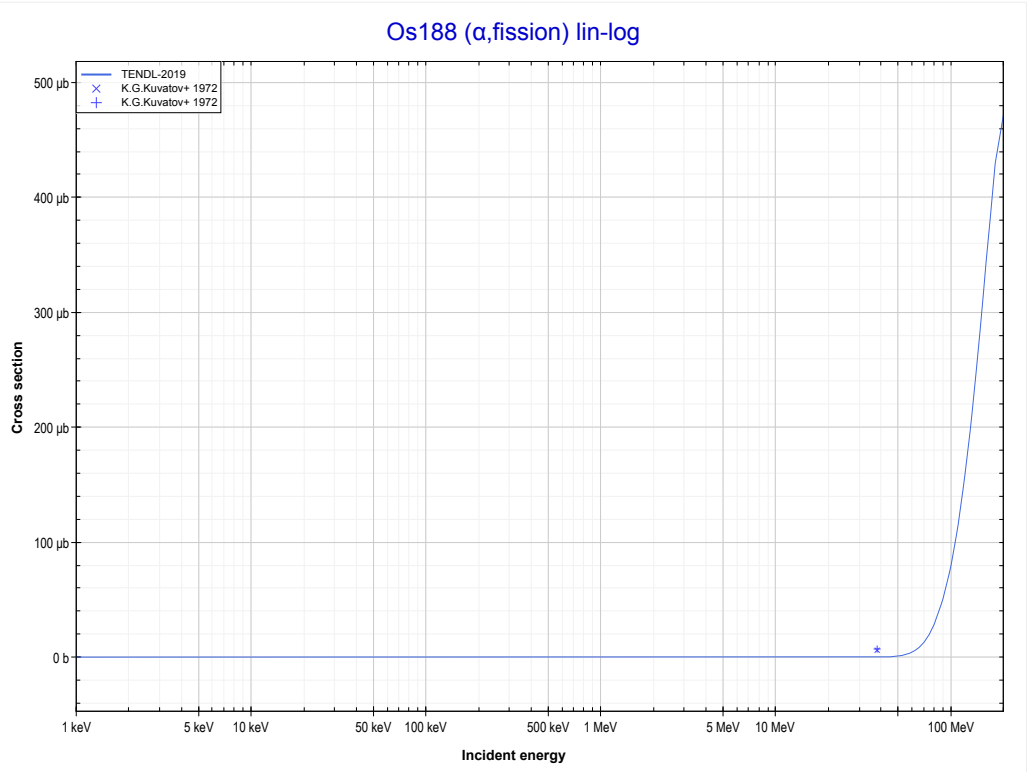
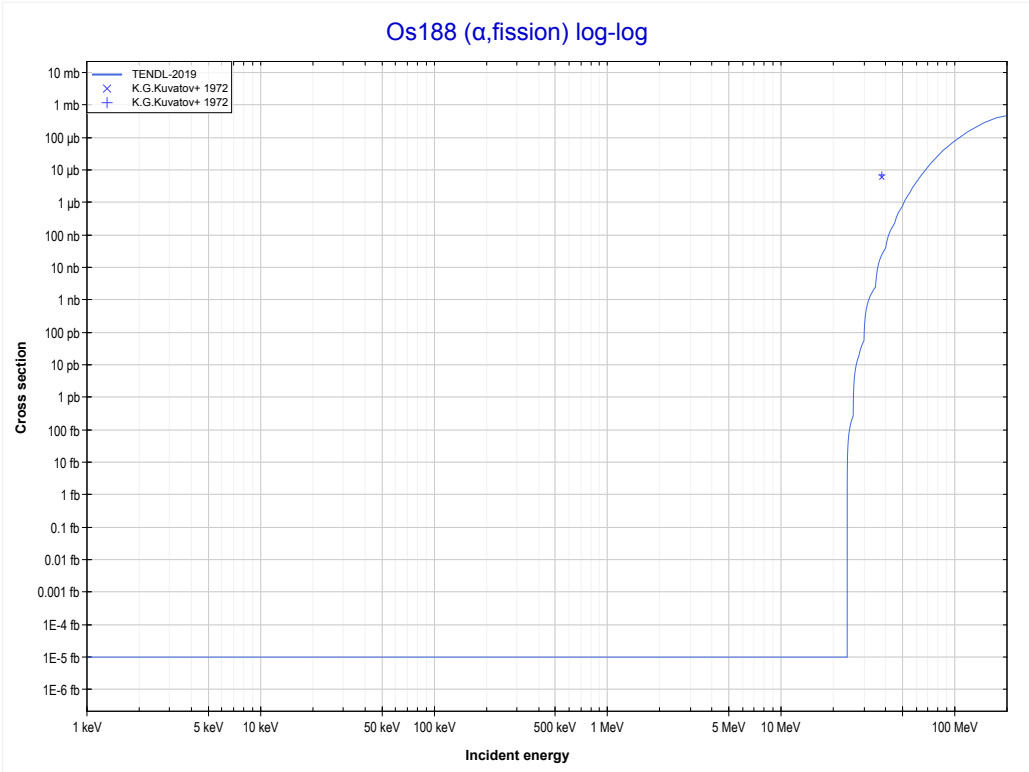
Reaction	Q-Value
Re187(α,6n)Ir185	-46883.49 keV

<< 73-Ta-181	75-Re-187	79-Au-197 >>
<< MT153 (α,6n)	MT160 (α,7n) or MT5 (Ir184 production)	76-Os-188 MT18 (α,fission) >>

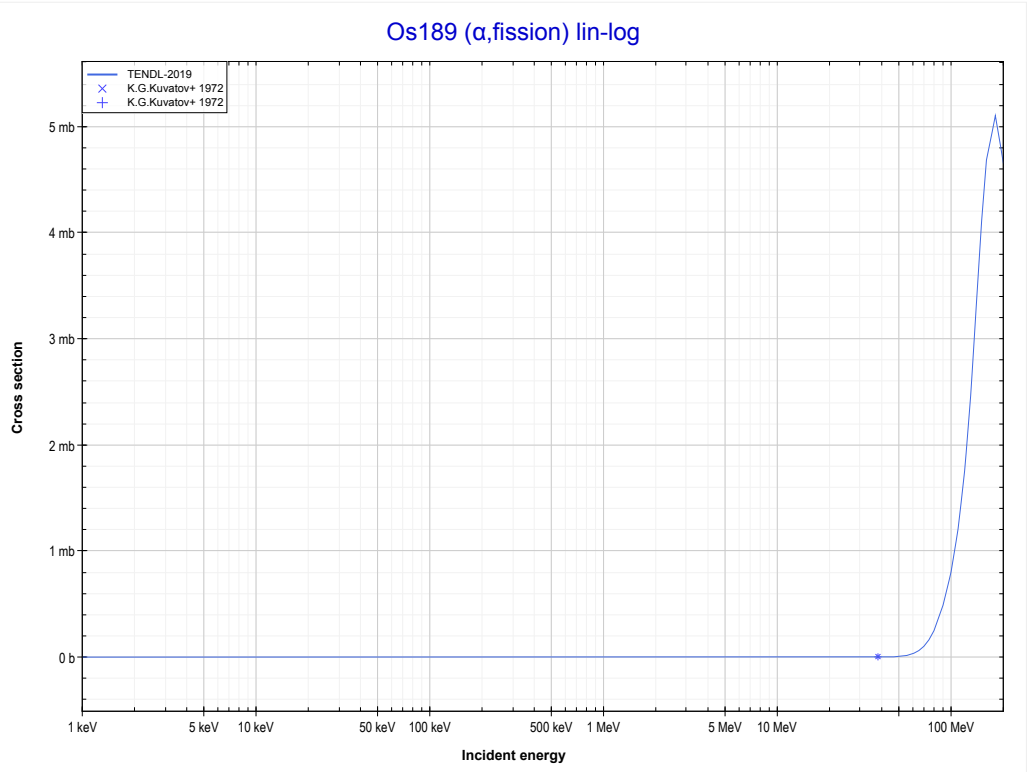
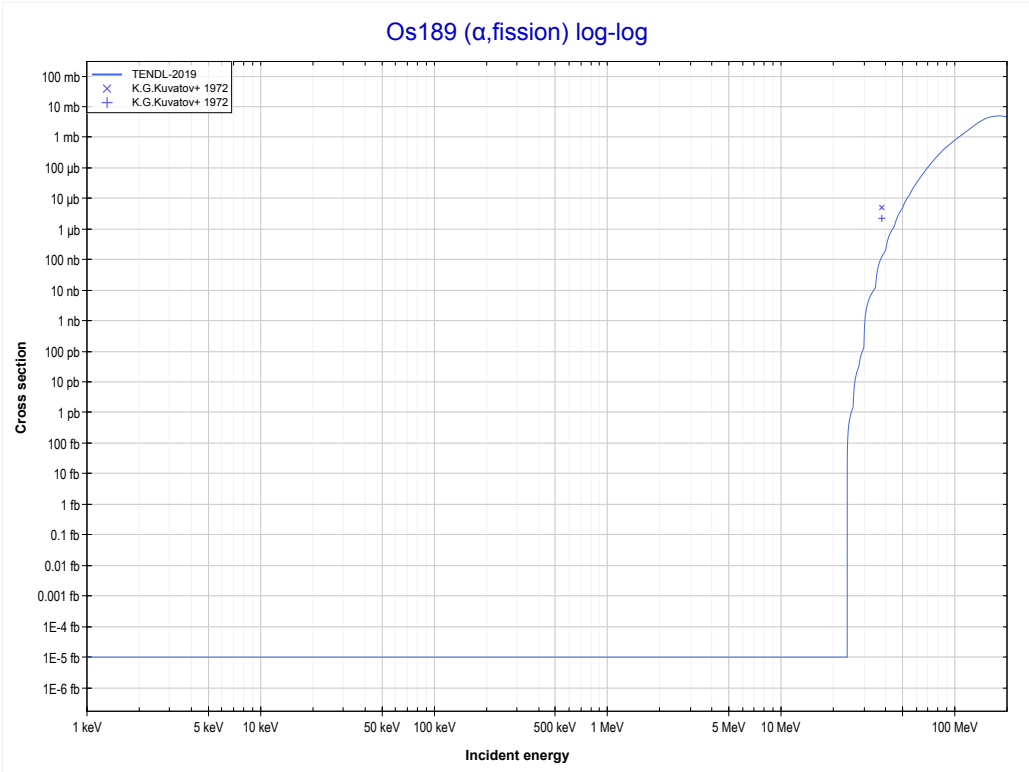


Reaction	Q-Value
Re187(α,7n)Ir184	-55679.80 keV

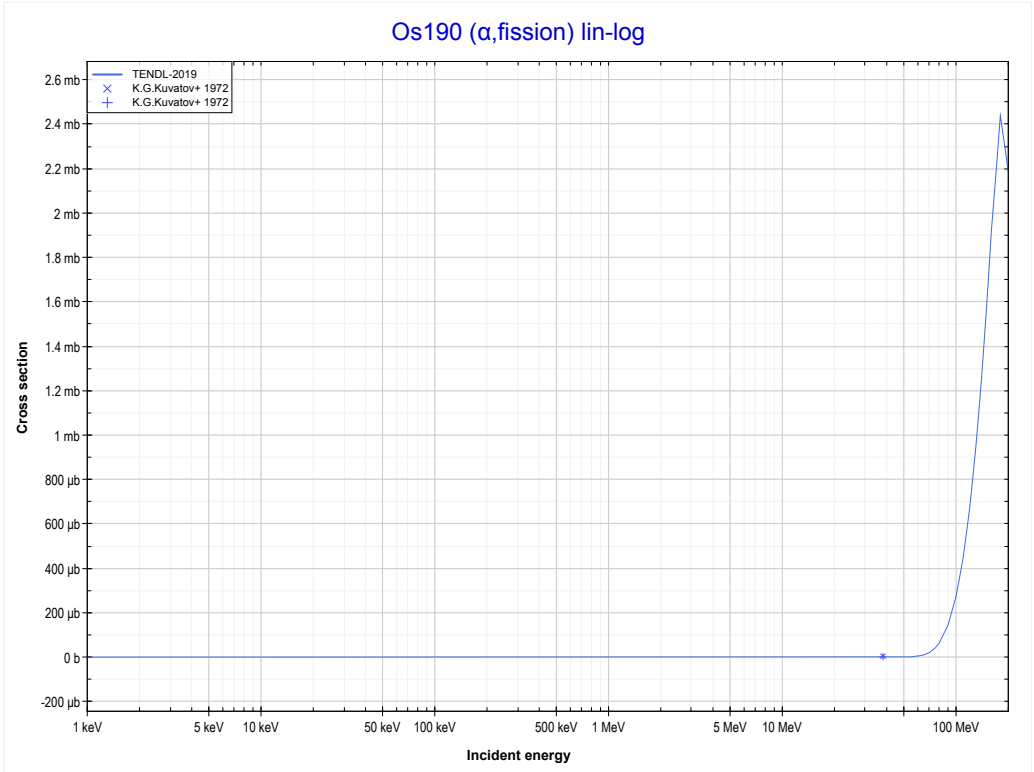
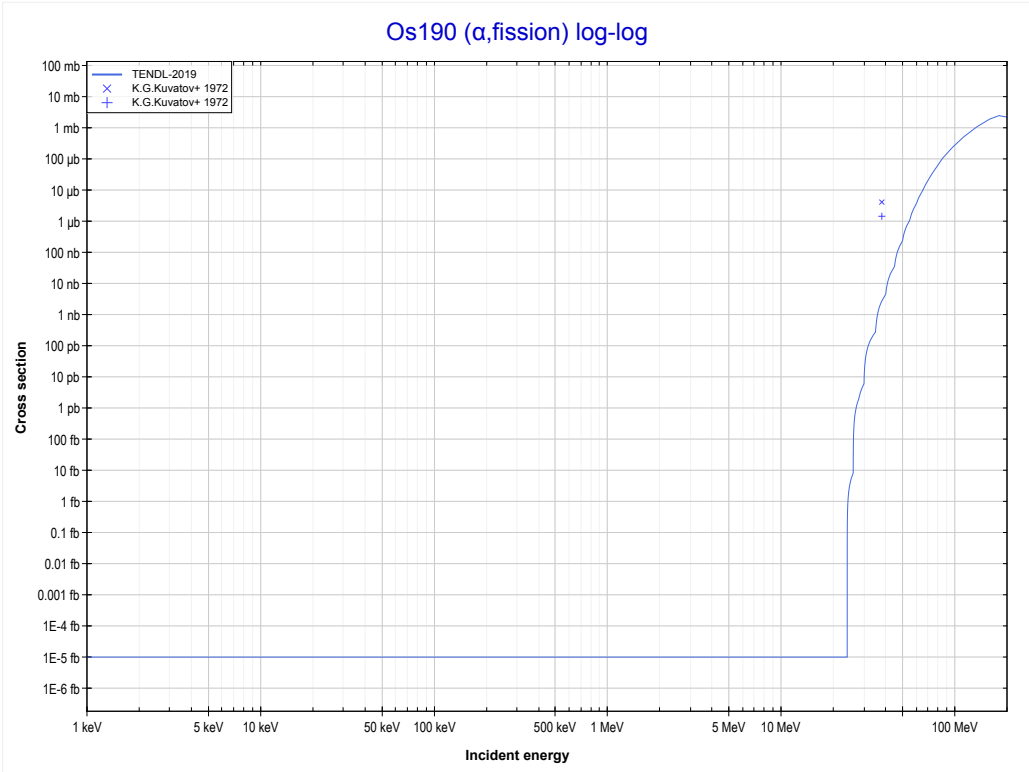
<< 75-Re-187	76-Os-188	76-Os-189 >>
<< 75-Re-187 MT160 (α ,7n)	MT18 (α ,fission)	76-Os-189 MT18 (α ,fission) >>



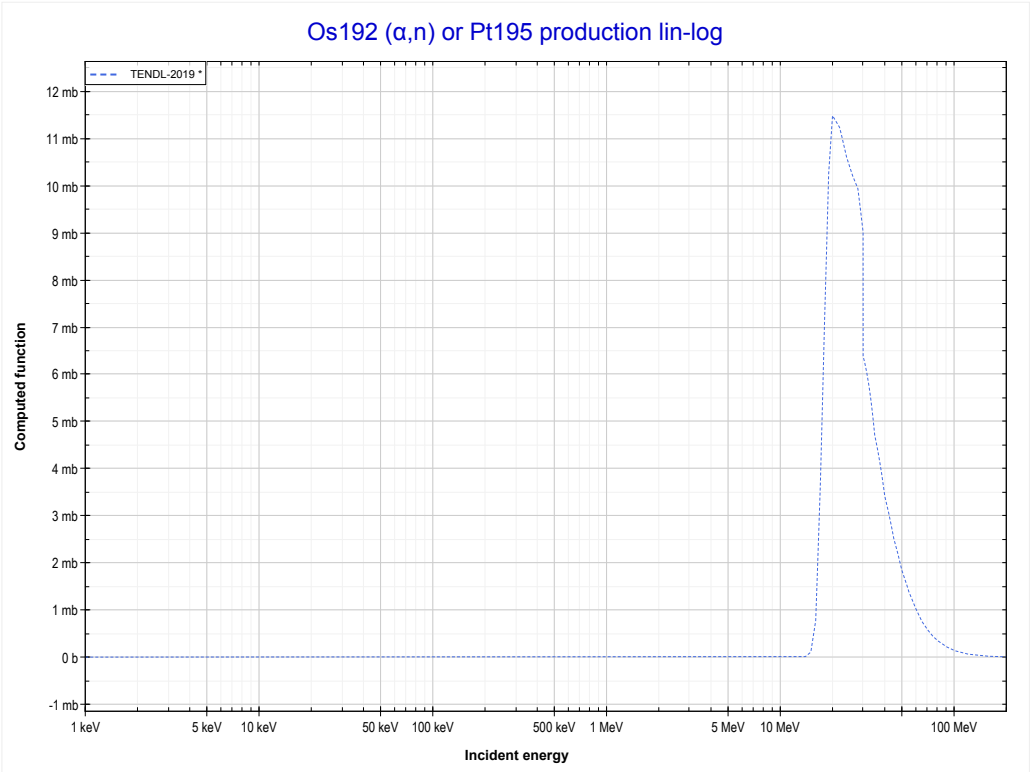
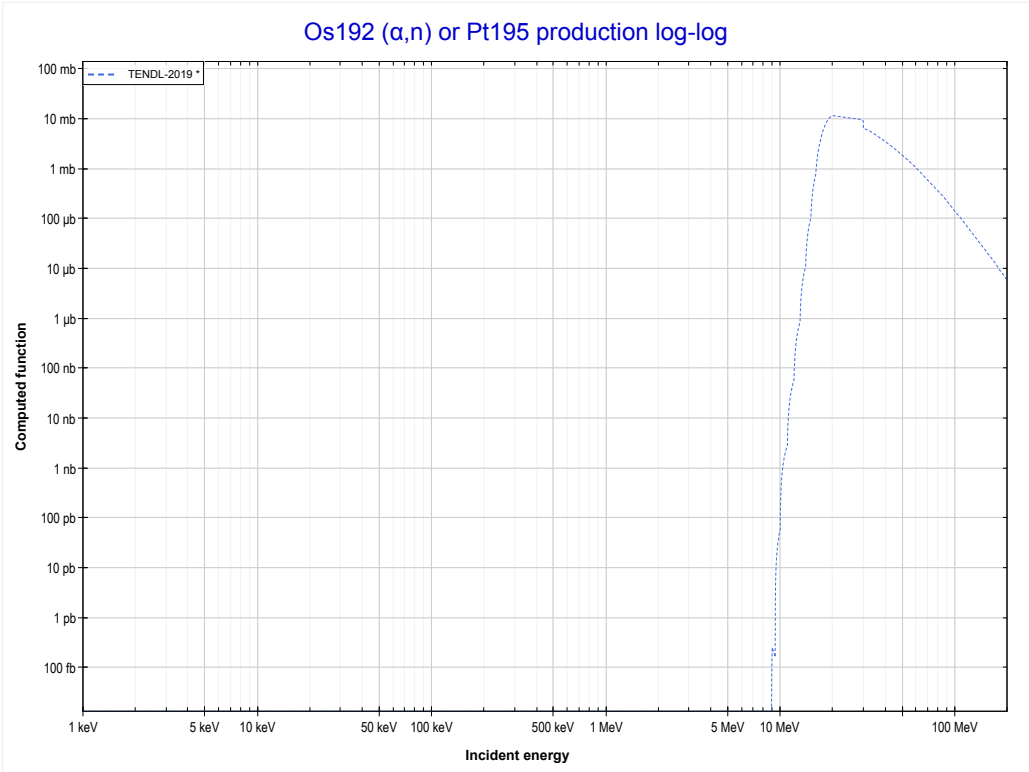
<< 76-Os-188	76-Os-189	76-Os-190 >>
<< 76-Os-188 MT18 (α,fission)	MT18 (α,fission)	76-Os-190 MT18 (α,fission) >>



<< 76-Os-189	76-Os-190	76-Os-192 >>
<< 76-Os-189 MT18 (α,fission)	MT18 (α,fission)	76-Os-192 MT4 (α,n) >>

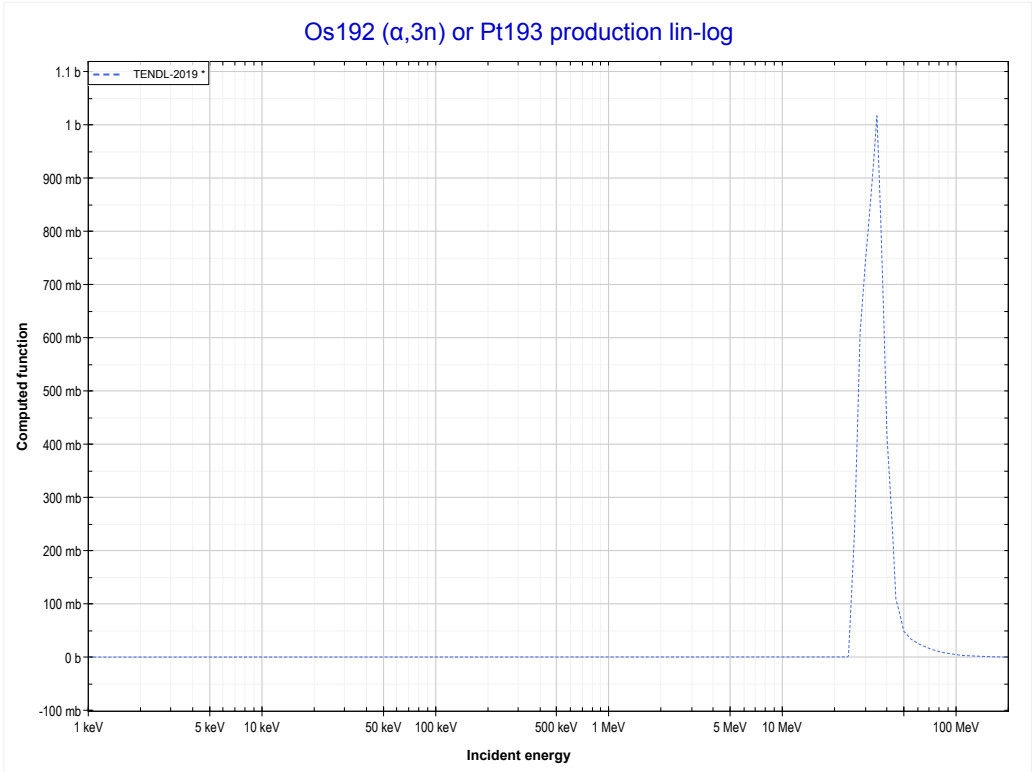
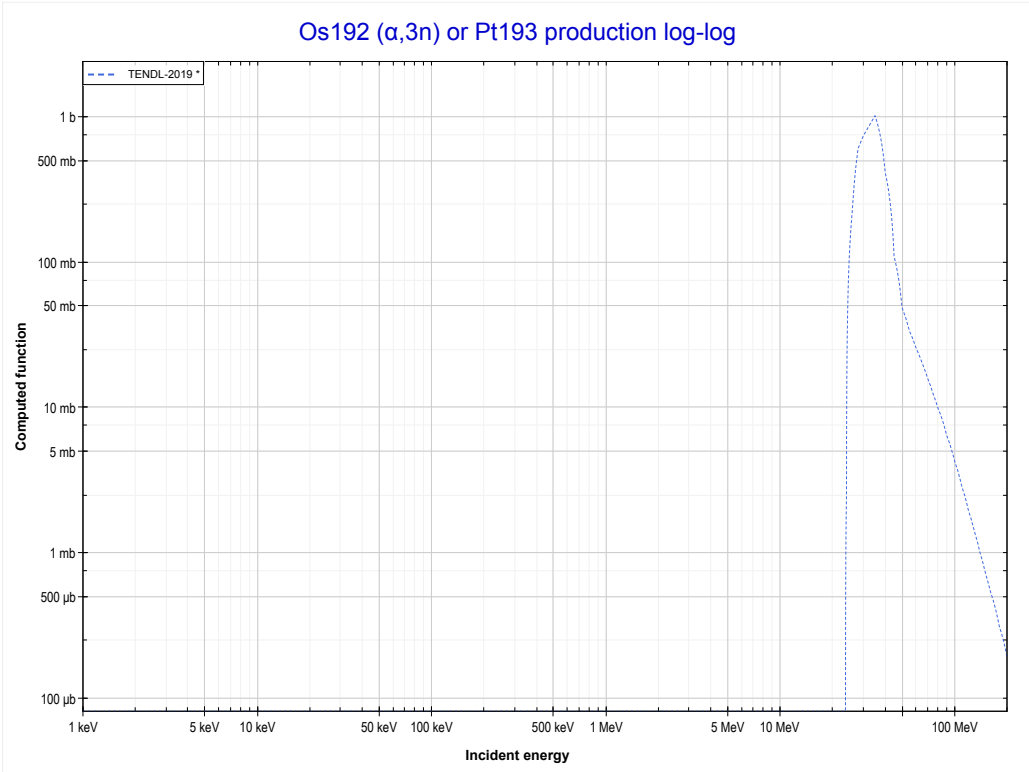


<< 75-Re-187	76-Os-192	77-Ir-191 >>
<< 76-Os-190 MT18 (α,fission)	MT4 (α,n) or MT5 (Pt195 production)	MT17 (α,3n) >>



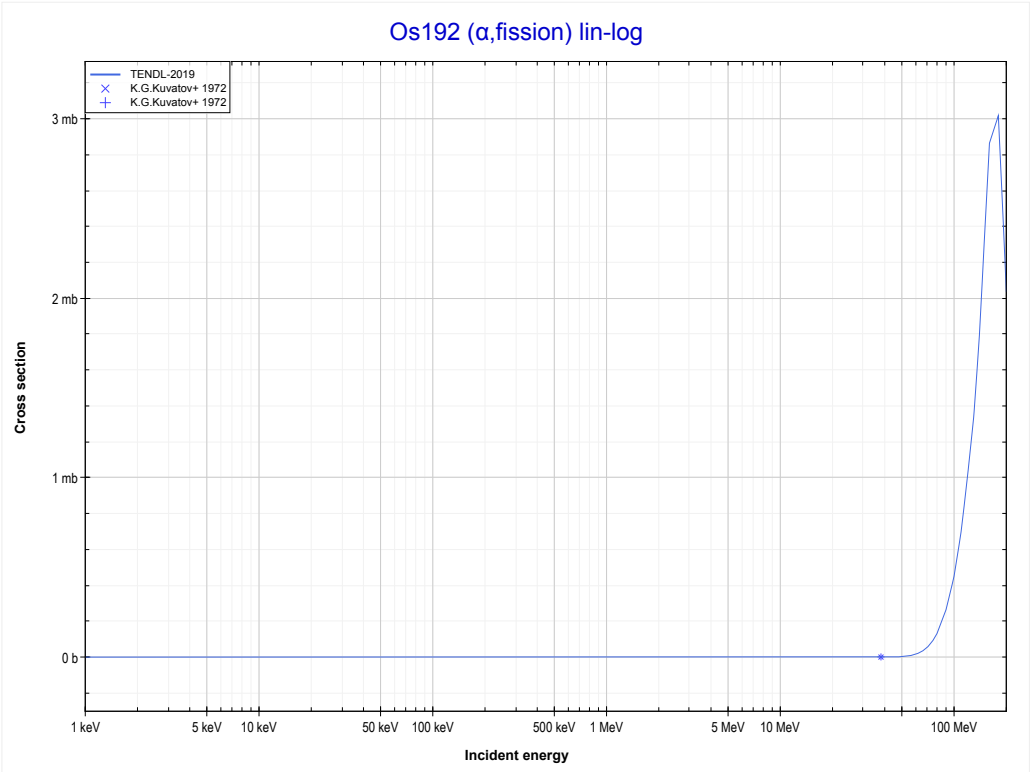
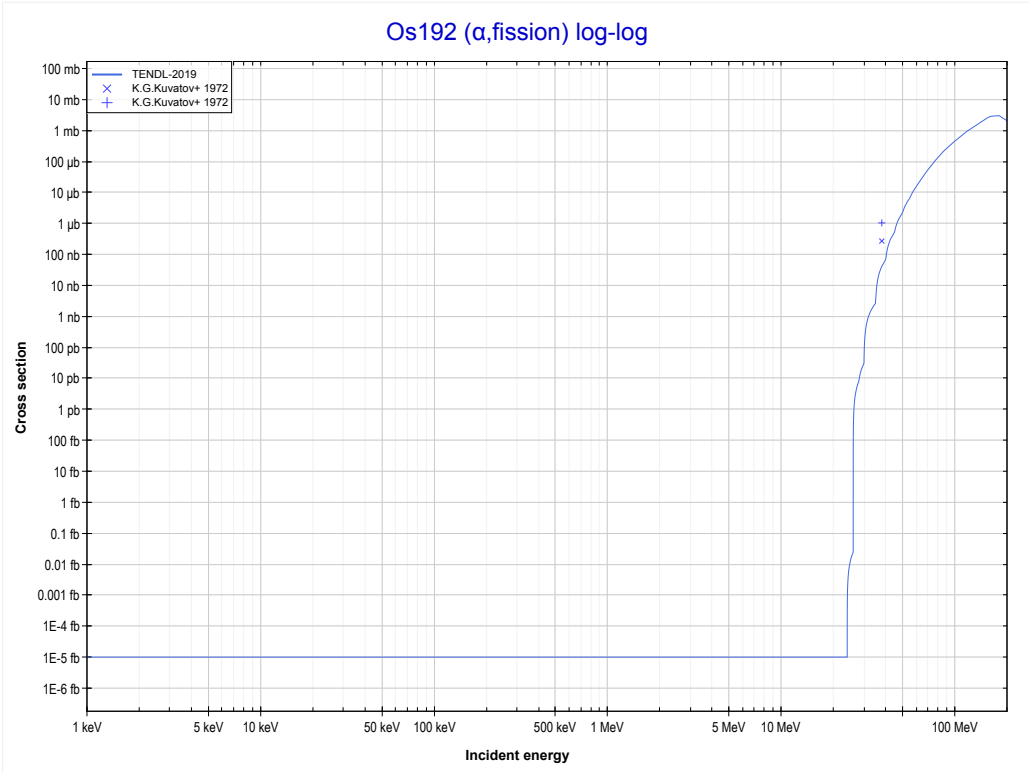
Reaction	Q-Value
Os192(α,n)Pt195	-8734.80 keV

<< 75-Re-187	76-Os-192	77-Ir-191 >>
<< MT4 (α,n)	MT17 (α,3n) or MT5 (Pt193 production)	MT18 (α,fission) >>

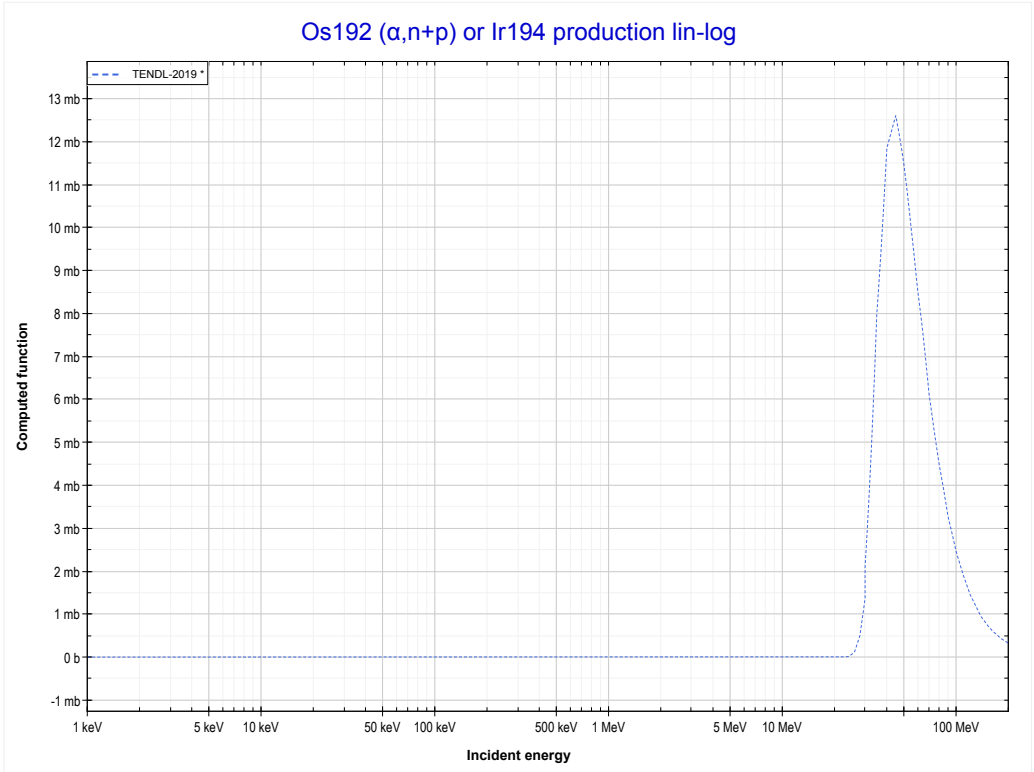
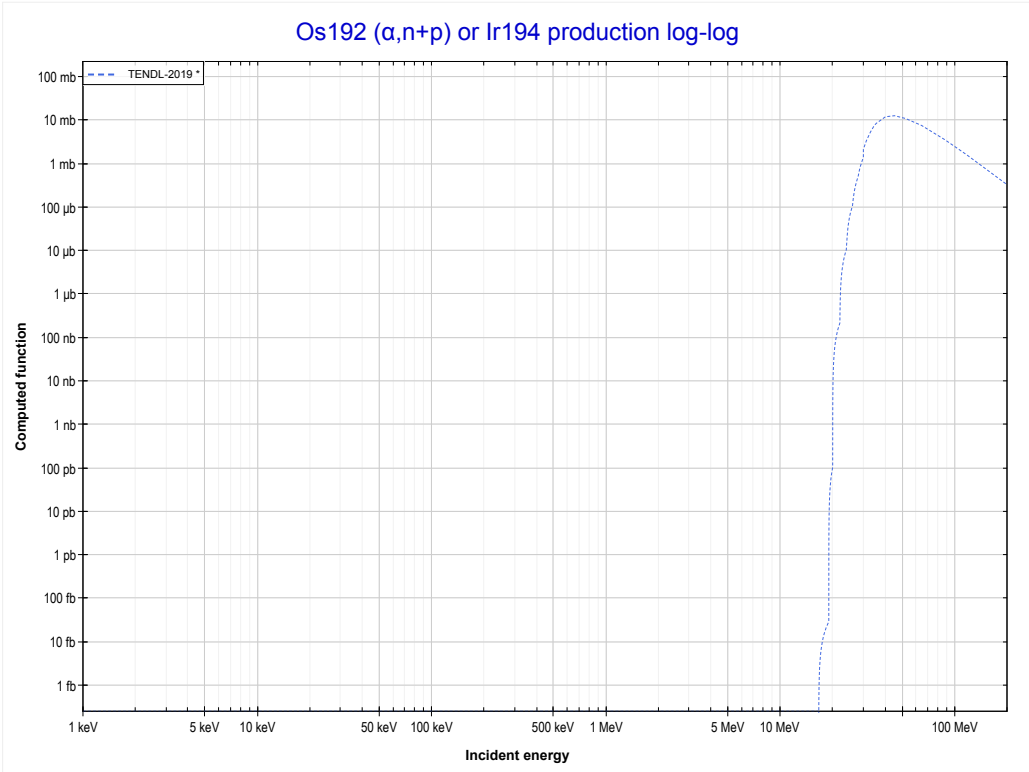


Reaction	Q-Value
Os192(α,3n)Pt193	-23191.64 keV

<< 76-Os-190	76-Os-192	78-Pt-194 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT28 (α ,n+p) >>

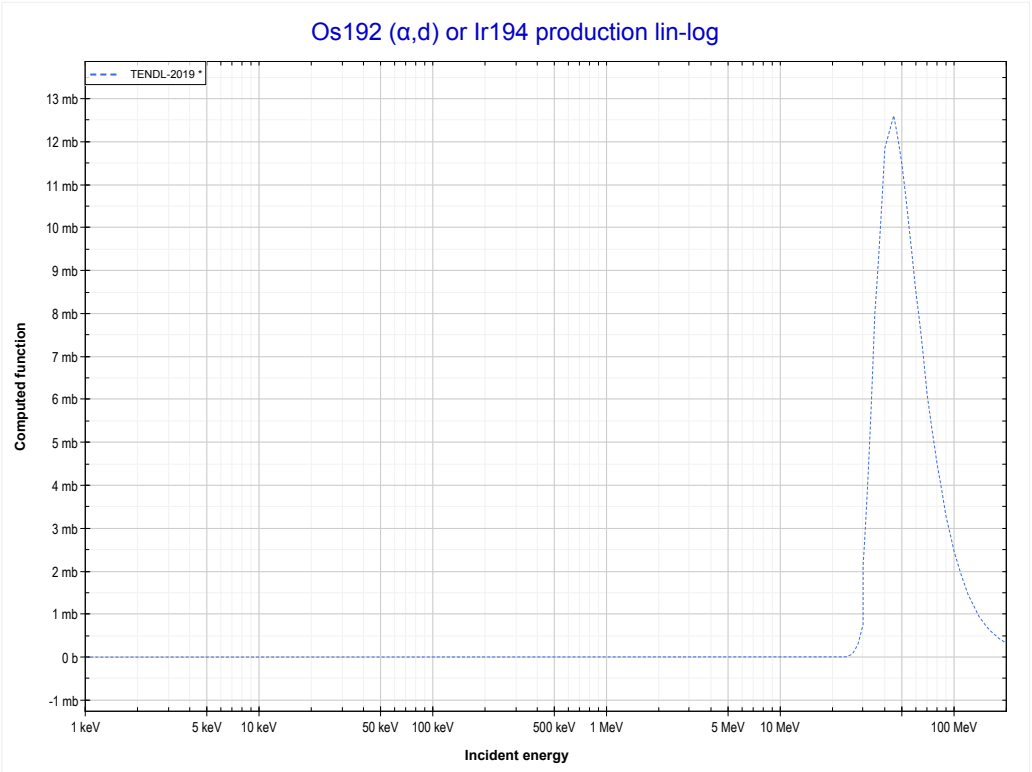
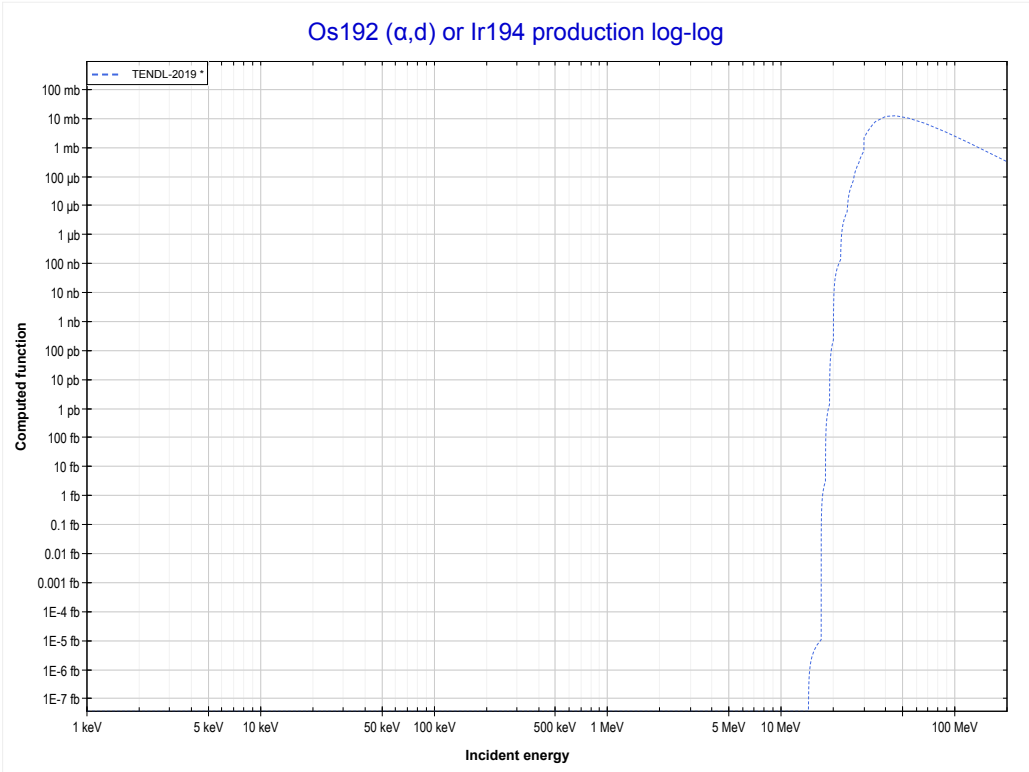


<< 74-W-186	76-Os-192	82-Pb-208 >>
<< MT18 (α,fission)	MT28 (α,n+p) or MT5 (Ir194 production)	MT104 (α,d) >>



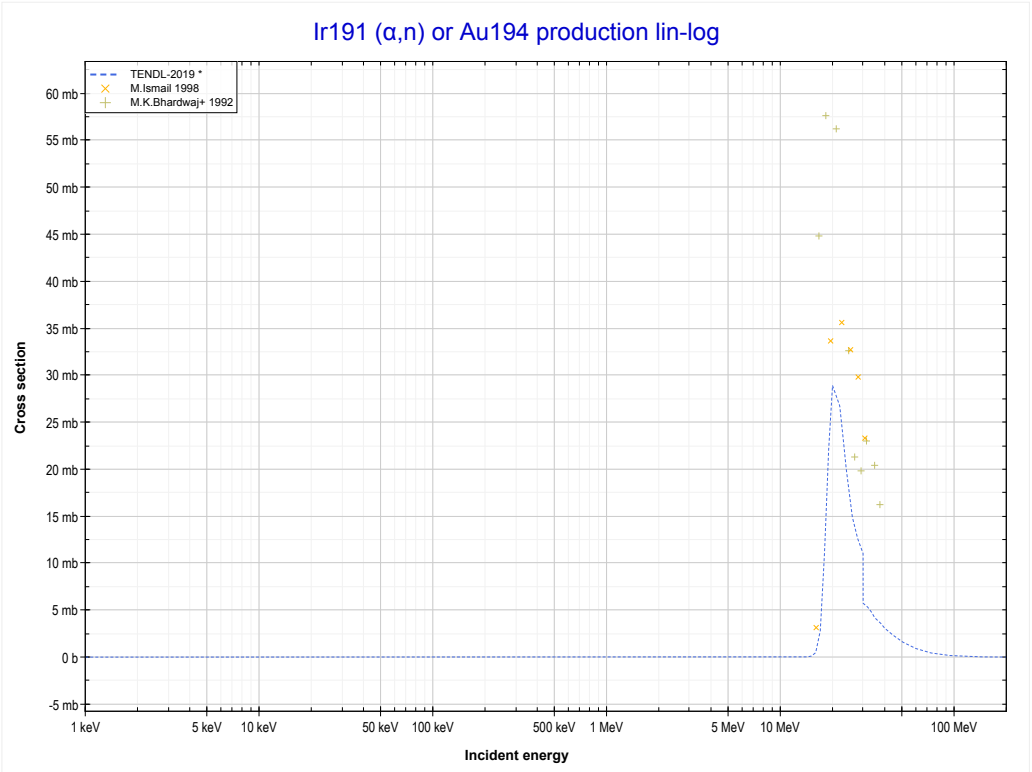
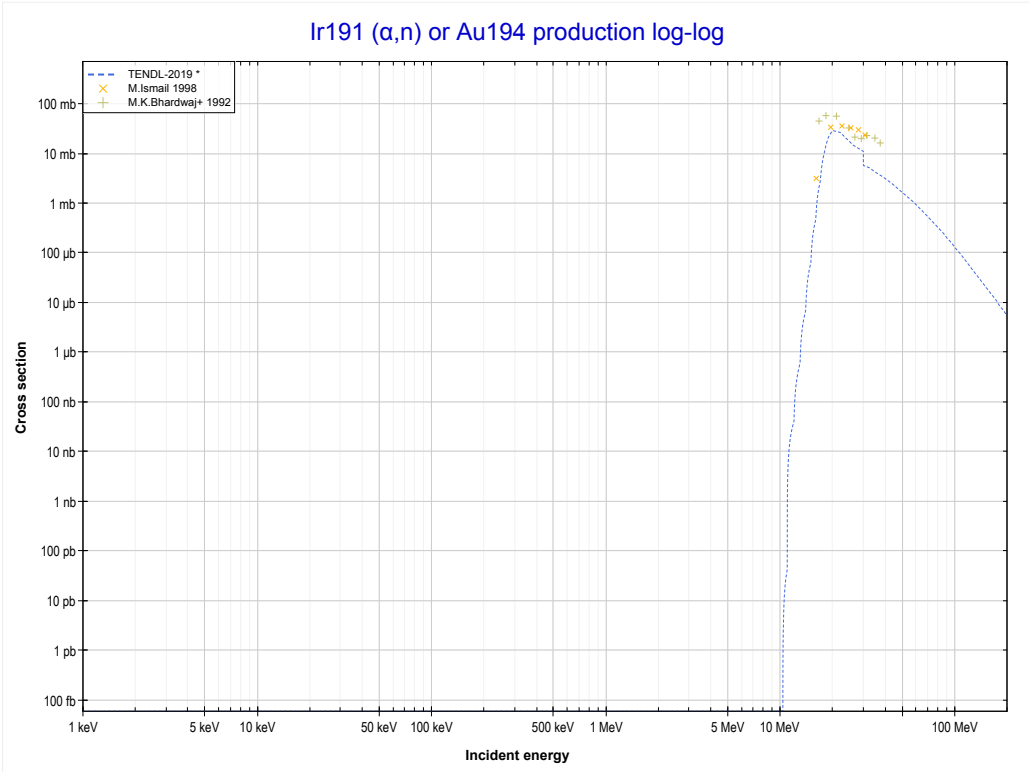
Reaction	Q-Value
Os192(α,d)Ir194	-14061.31 keV
Os192(α,n+p)Ir194	-16285.87 keV

<< 74-W-186	76-Os-192	82-Pb-208 >>
<< MT28 (α,n+p)	MT104 (α,d) or MT5 (Ir194 production)	77-Ir-191 MT4 (α,n) >>



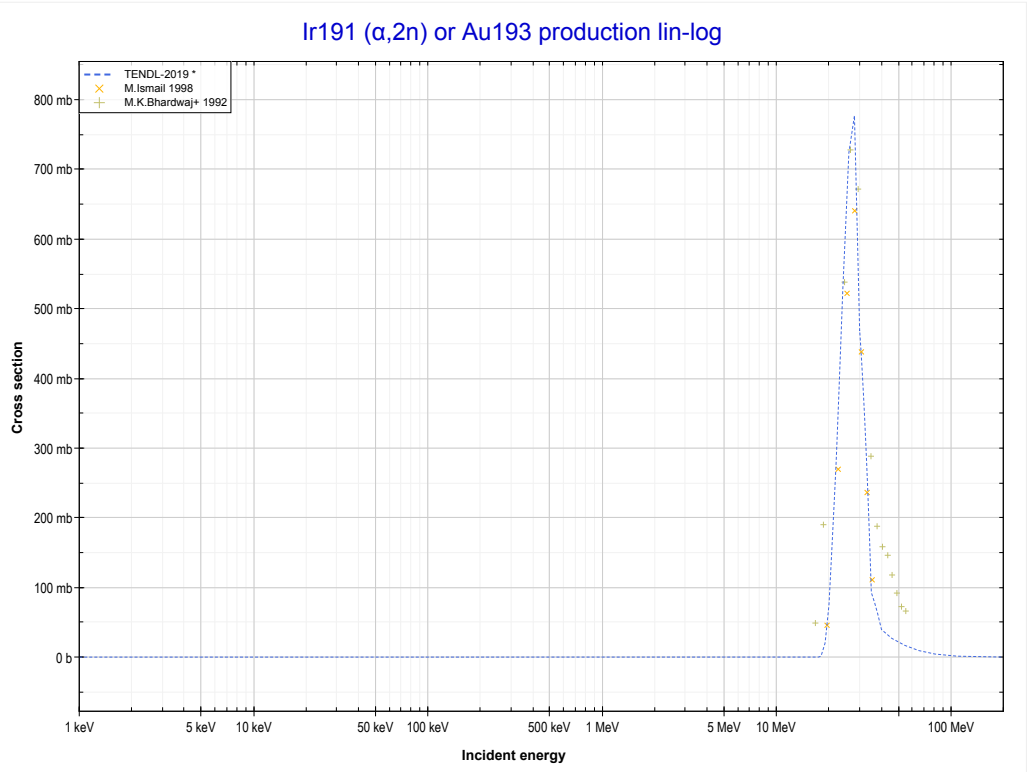
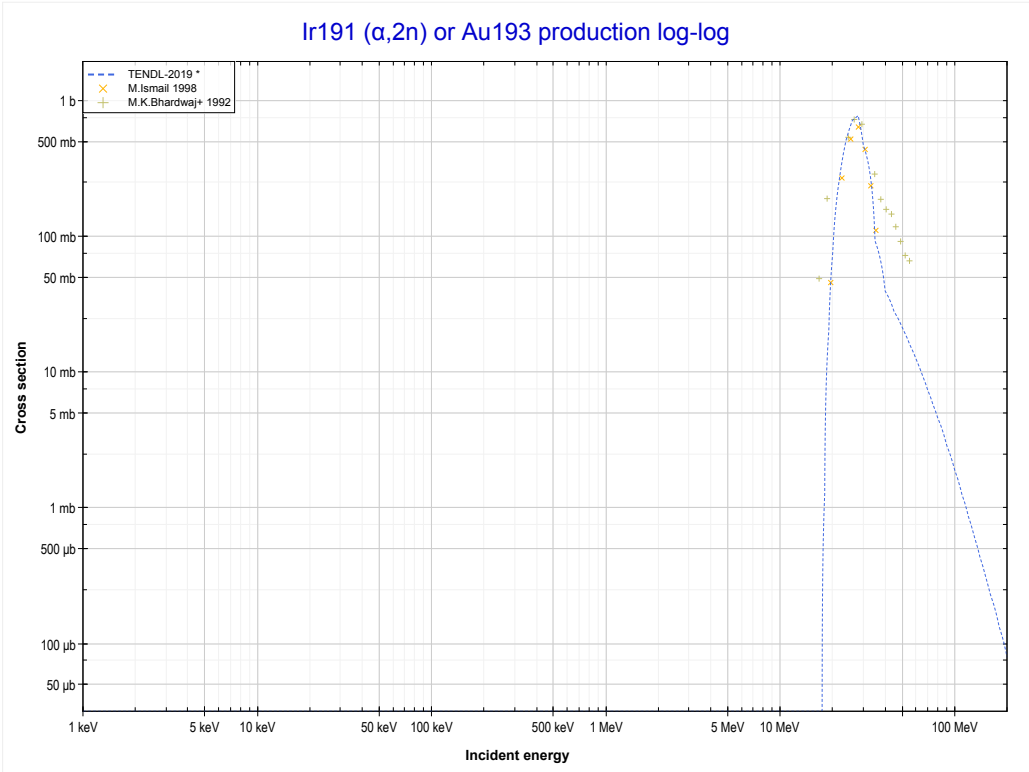
Reaction	Q-Value
Os192(α,d)Ir194	-14061.31 keV
Os192(α,n+p)Ir194	-16285.87 keV

<< 76-Os-192	77-Ir-191	79-Au-197 >>
<< 76-Os-192 MT104 (α,d)	MT4 (α,n) or MT5 (Au194 production)	MT16 (α,2n) >>



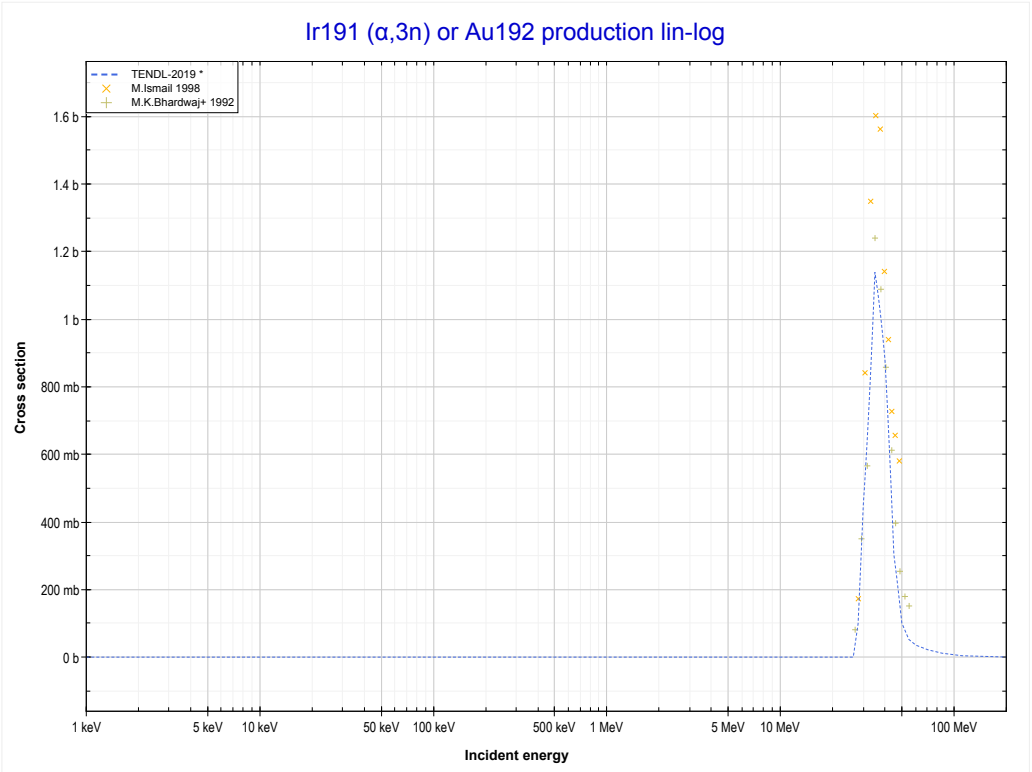
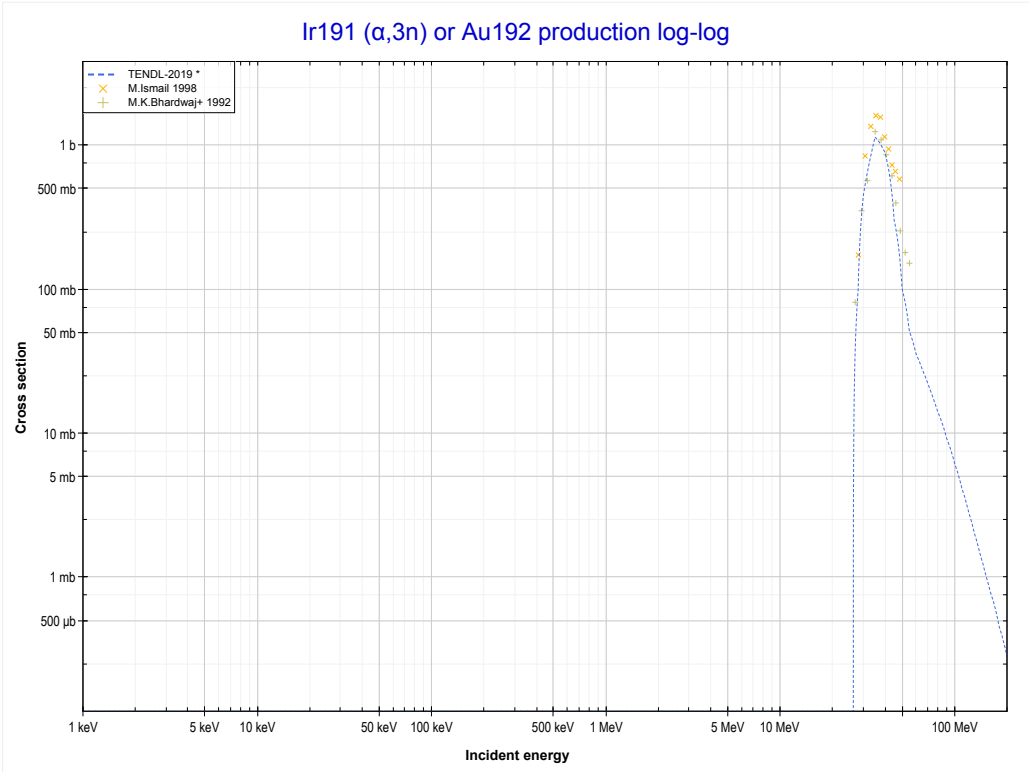
Reaction	Q-Value
Ir191(α,n)Au194	-10143.30 keV

<< 73-Ta-181	77-Ir-191	77-Ir-193 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Au193 production)	MT17 (α,3n) >>



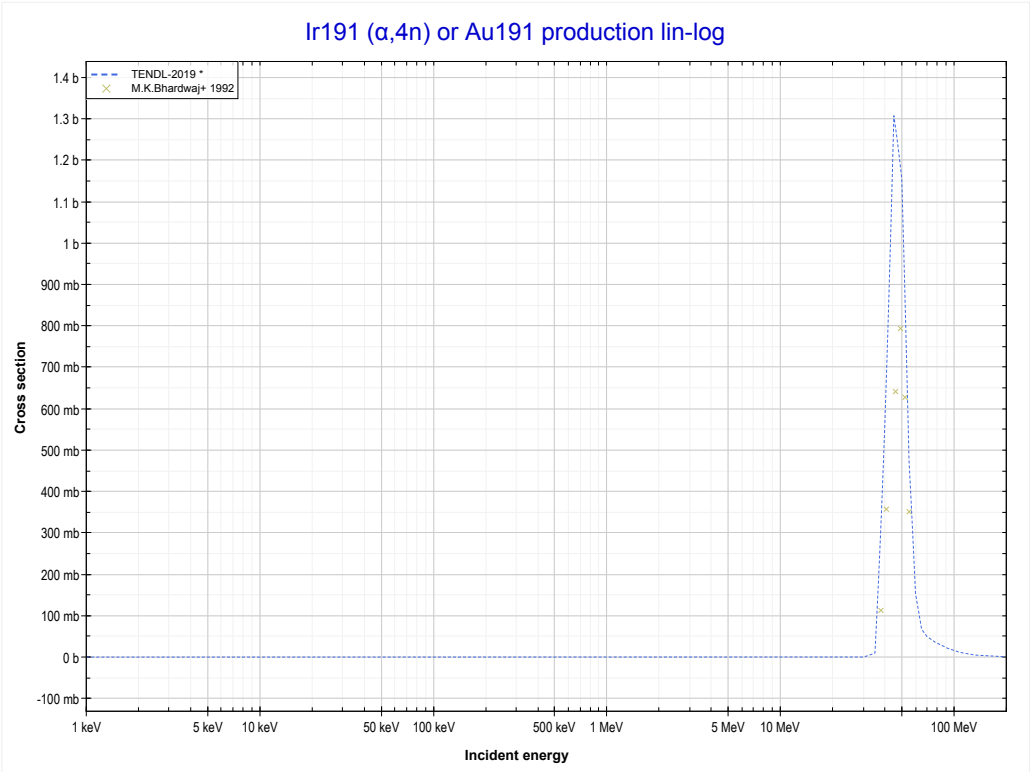
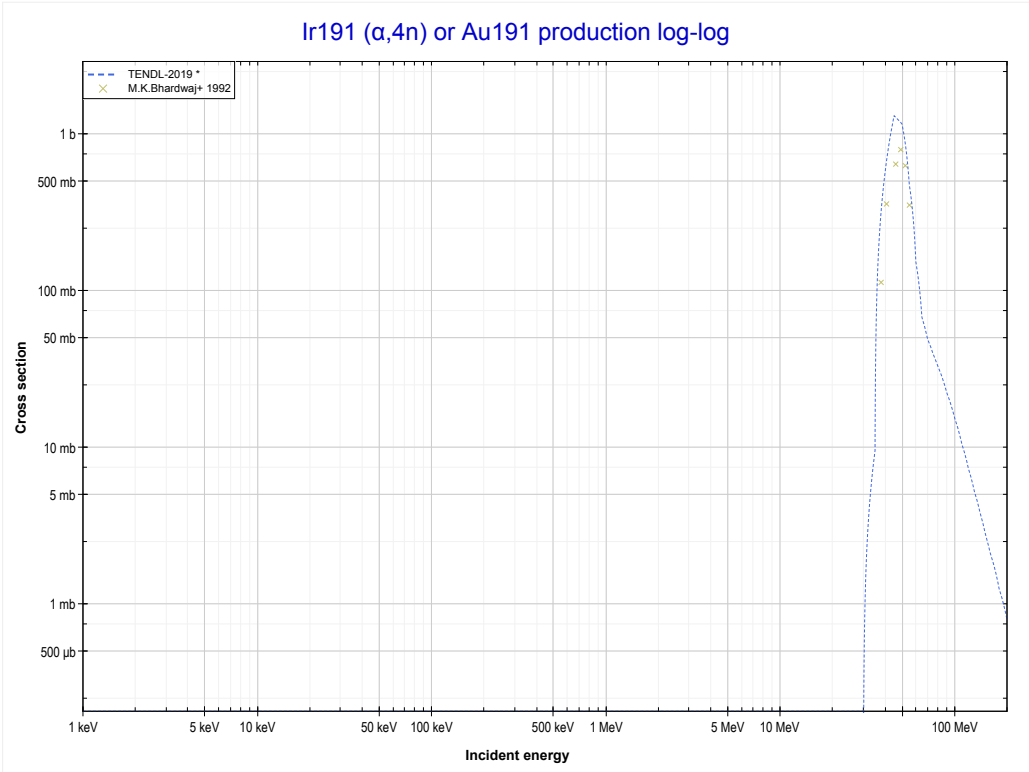
Reaction	Q-Value
Ir191(α,2n)Au193	-17021.52 keV

<< 76-Os-192	77-Ir-191	77-Ir-193 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Au192 production)	MT37 ($\alpha,4n$) >>



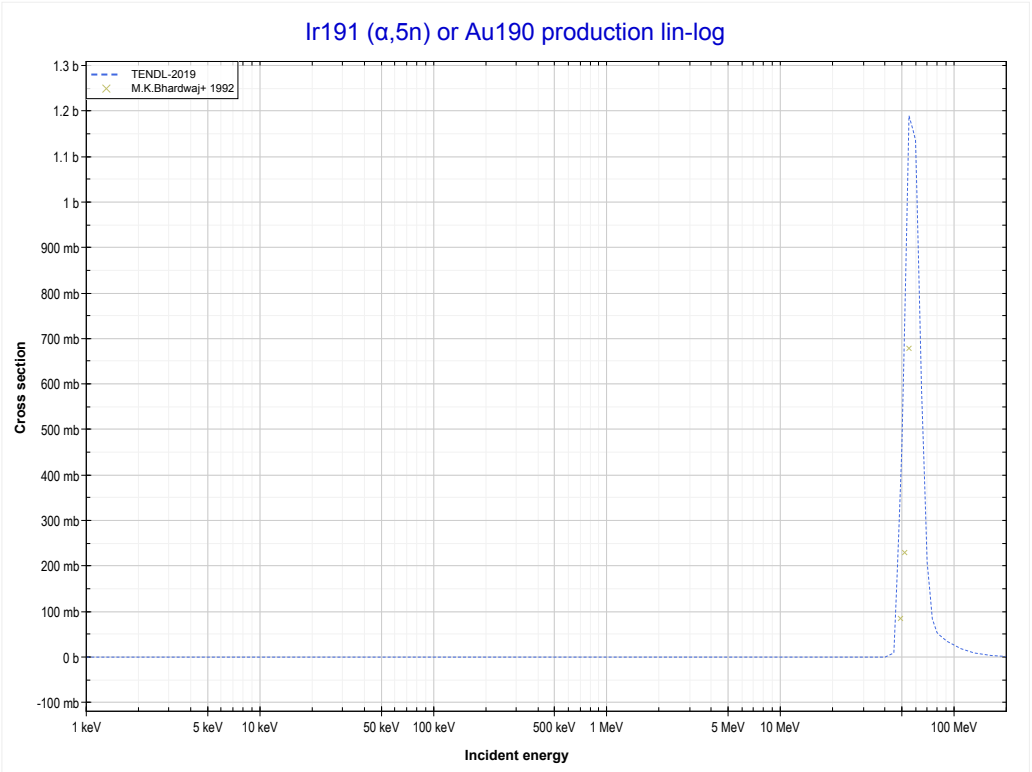
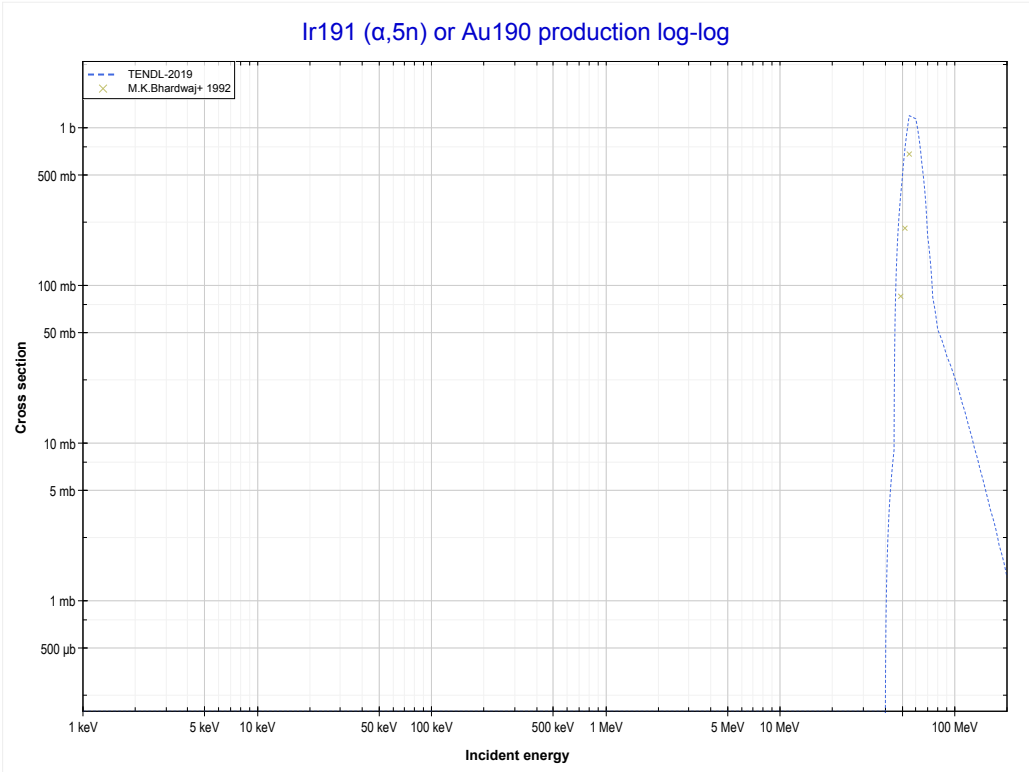
Reaction	Q-Value
Ir191($\alpha,3n$)Au192	-25725.84 keV

<< 75-Re-187	77-Ir-191	77-Ir-193 >>
<< MT17 (α,3n)	MT37 (α,4n) or MT5 (Au191 production)	MT152 (α,5n) >>



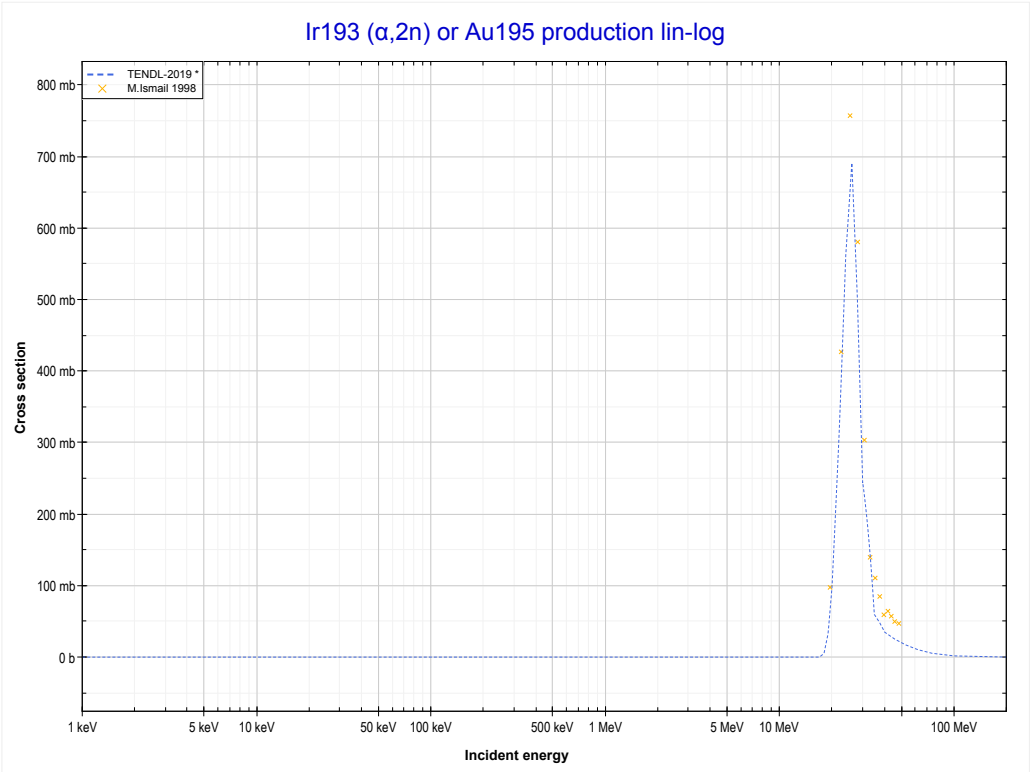
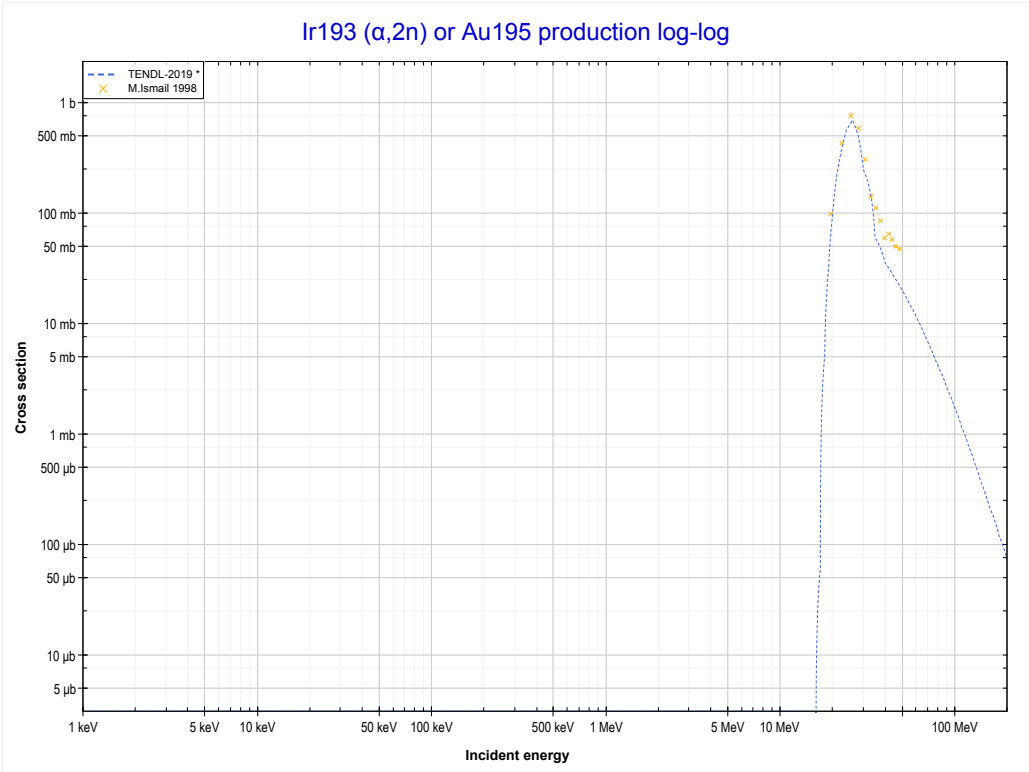
Reaction	Q-Value
Ir191(α,4n)Au191	-32771.15 keV

<< 75-Re-187	77-Ir-191	77-Ir-193 >>
<< MT37 (α,4n)	MT152 (α,5n) or MT5 (Au190 production)	77-Ir-193 MT16 (α,2n) >>



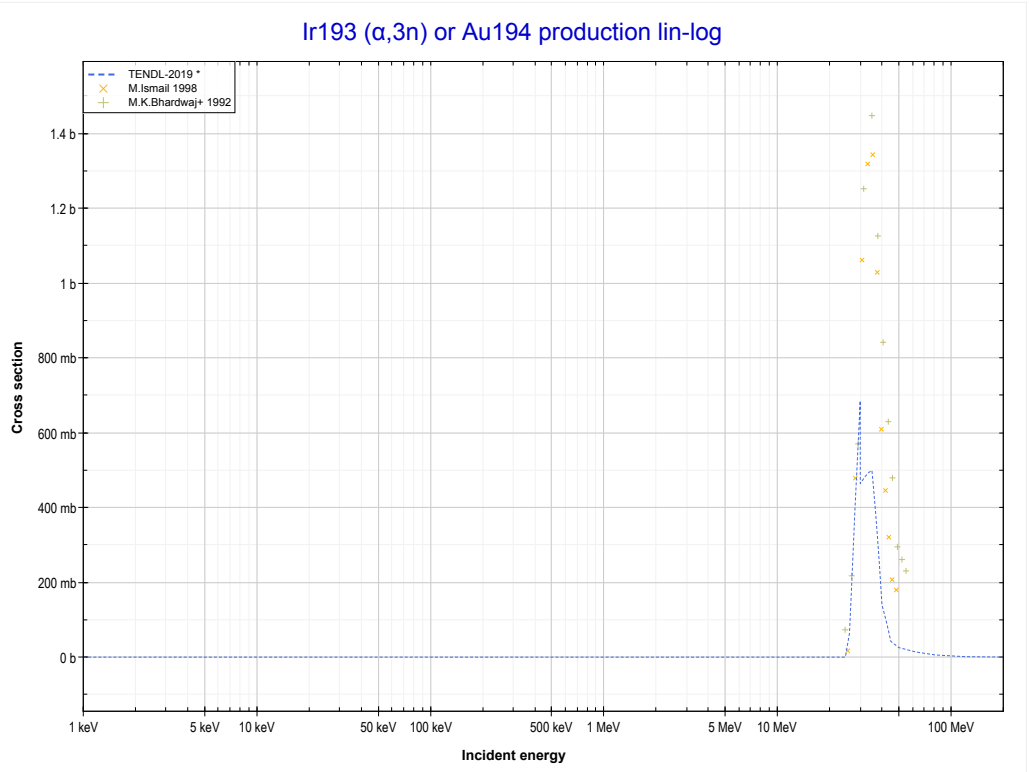
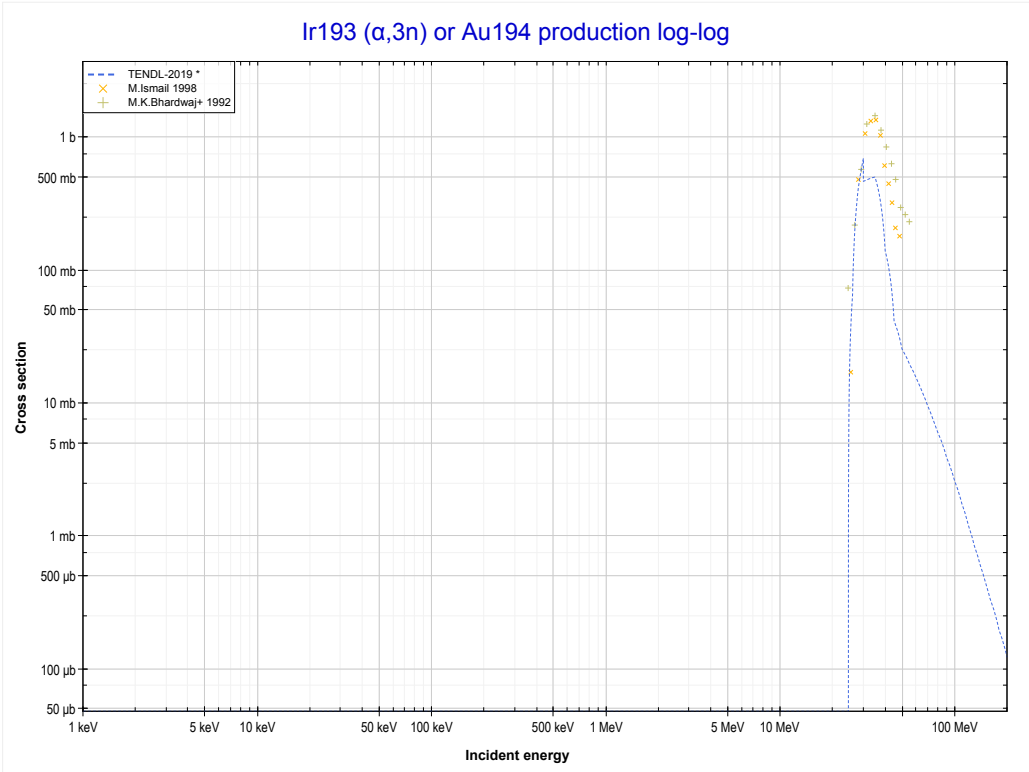
Reaction	Q-Value
Ir191(α,5n)Au190	-41806.47 keV

<< 77-Ir-191	77-Ir-193	79-Au-197 >>
<< 77-Ir-191 MT152 (α,5n)	MT16 (α,2n) or MT5 (Au195 production)	MT17 (α,3n) >>



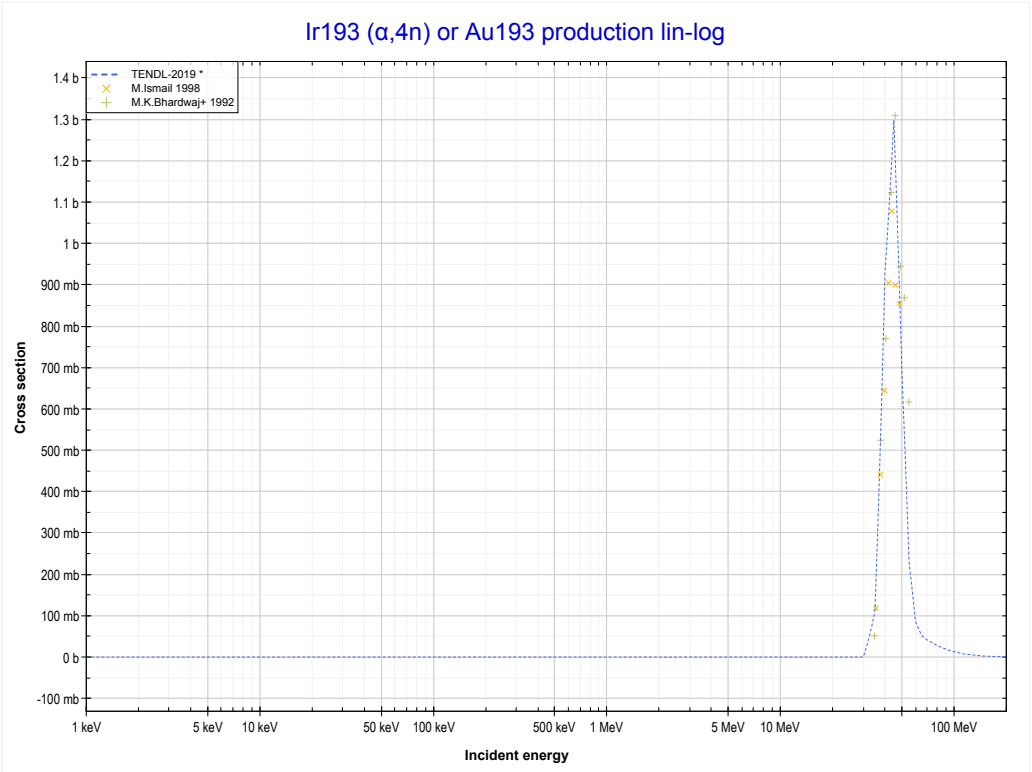
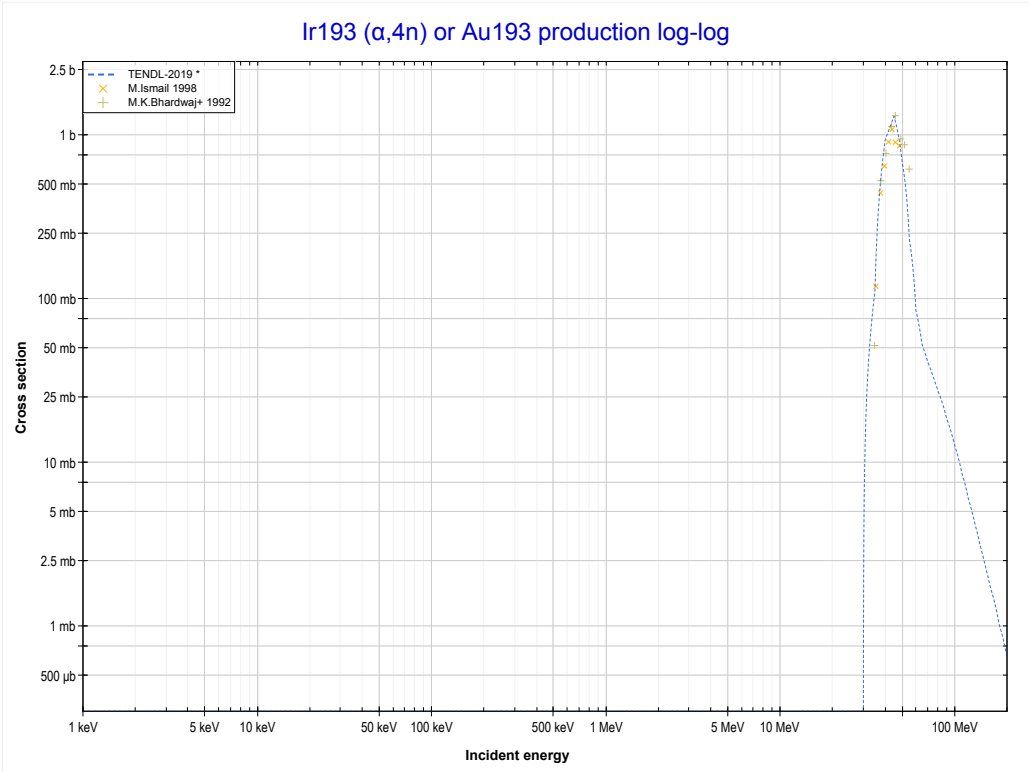
Reaction	Q-Value
Ir193(α,2n)Au195	-15686.92 keV

<< 77-Ir-191	77-Ir-193	79-Au-197 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Au194 production)	MT37 ($\alpha,4n$) >>



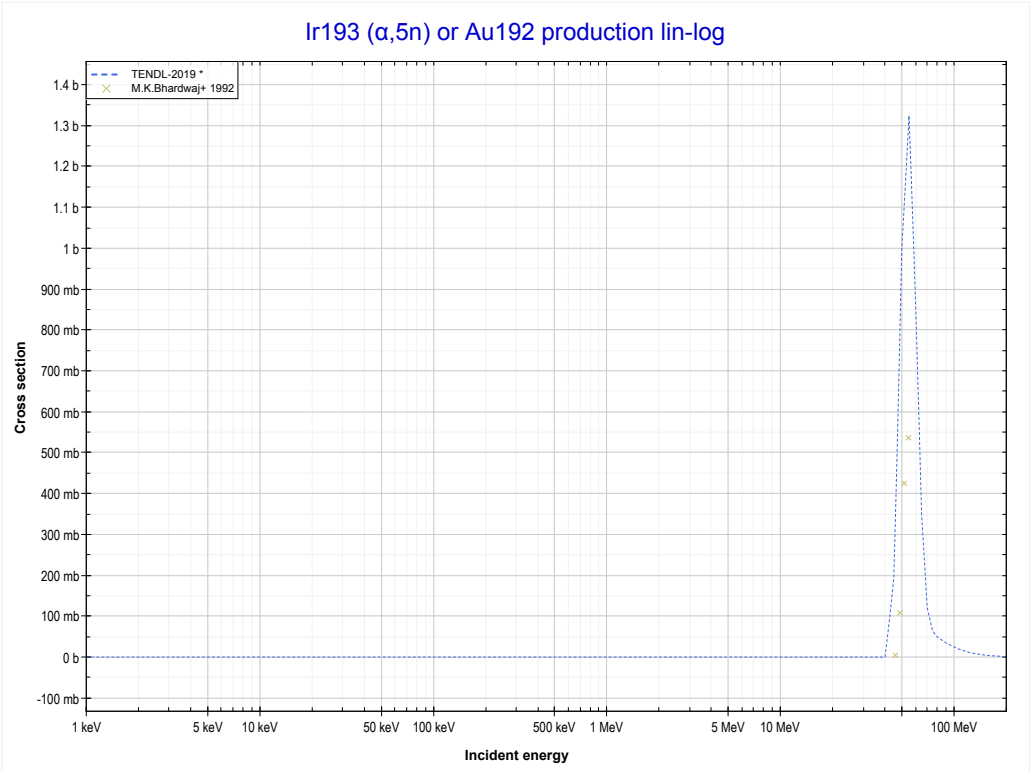
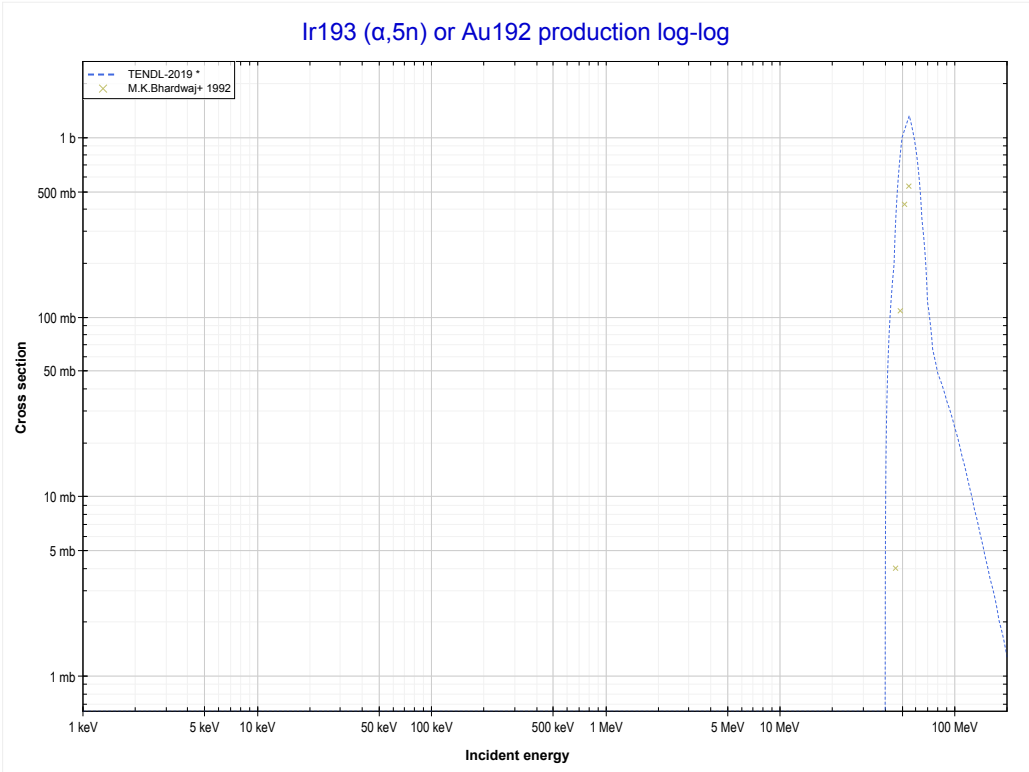
Reaction	Q-Value
Ir193($\alpha,3n$)Au194	-24113.34 keV

<< 77-Ir-191	77-Ir-193	79-Au-197 >>
<< MT17 ($\alpha,3n$)	MT37 ($\alpha,4n$) or MT5 (Au193 production)	MT152 ($\alpha,5n$) >>



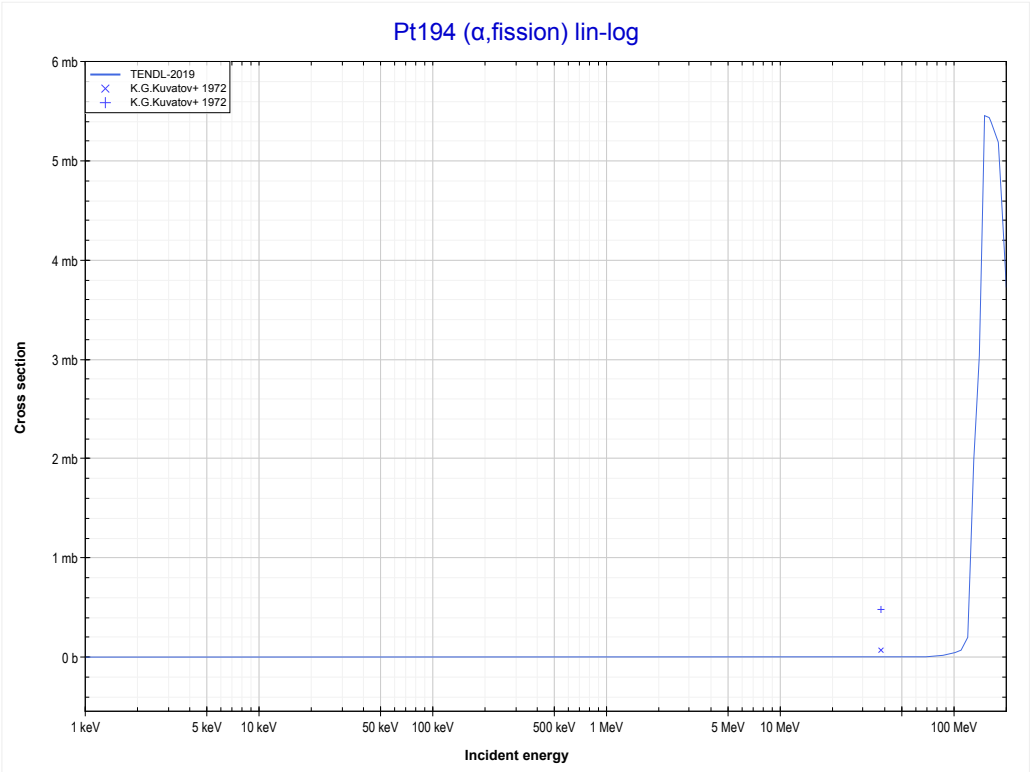
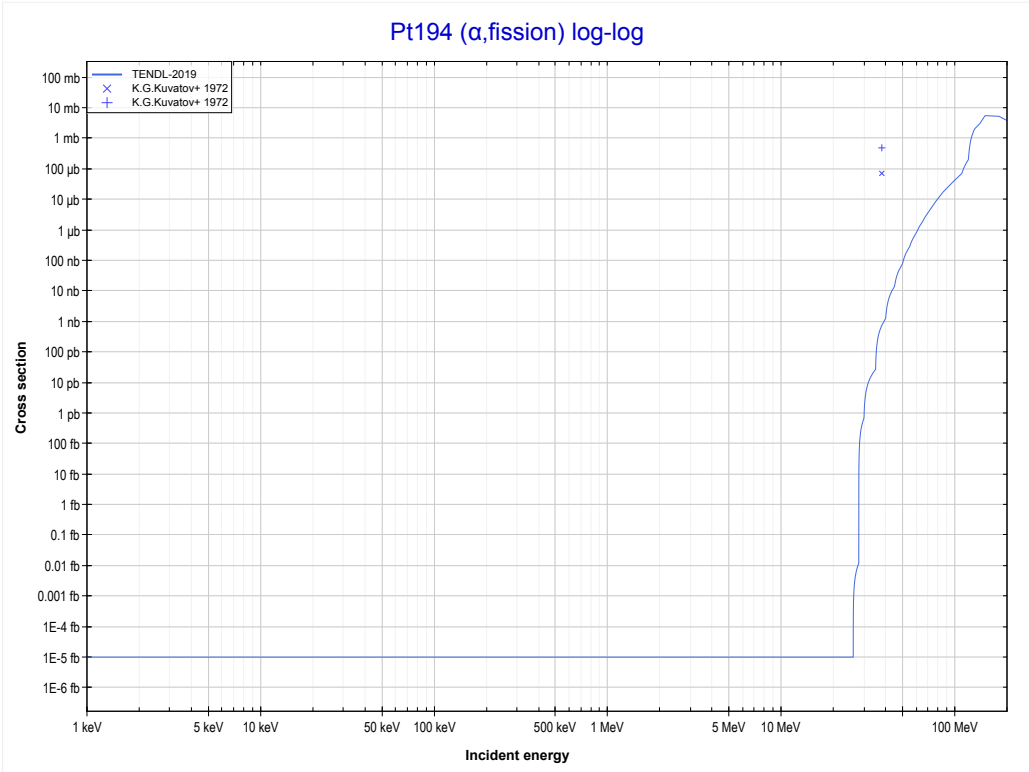
Reaction	Q-Value
Ir193($\alpha,4n$)Au193	-30991.55 keV

<< 77-Ir-191	77-Ir-193	79-Au-197 >>
<< MT37 ($\alpha,4n$)	MT152 ($\alpha,5n$) or MT5 (Au192 production)	78-Pt-194 MT18 (α ,fission) >>

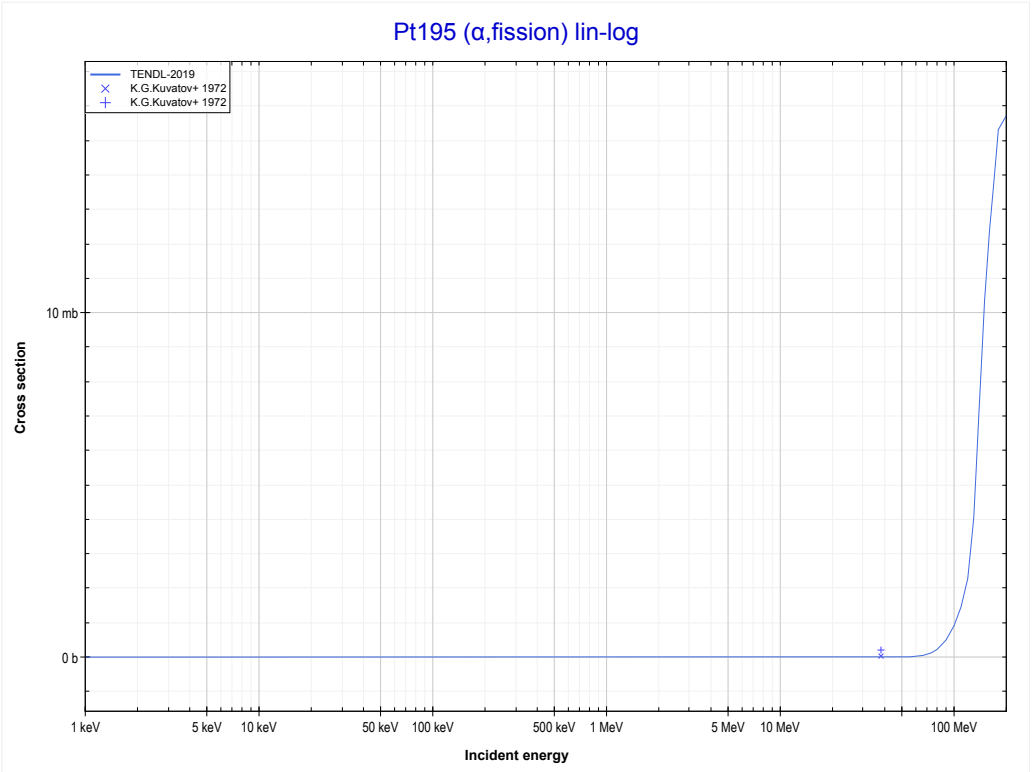
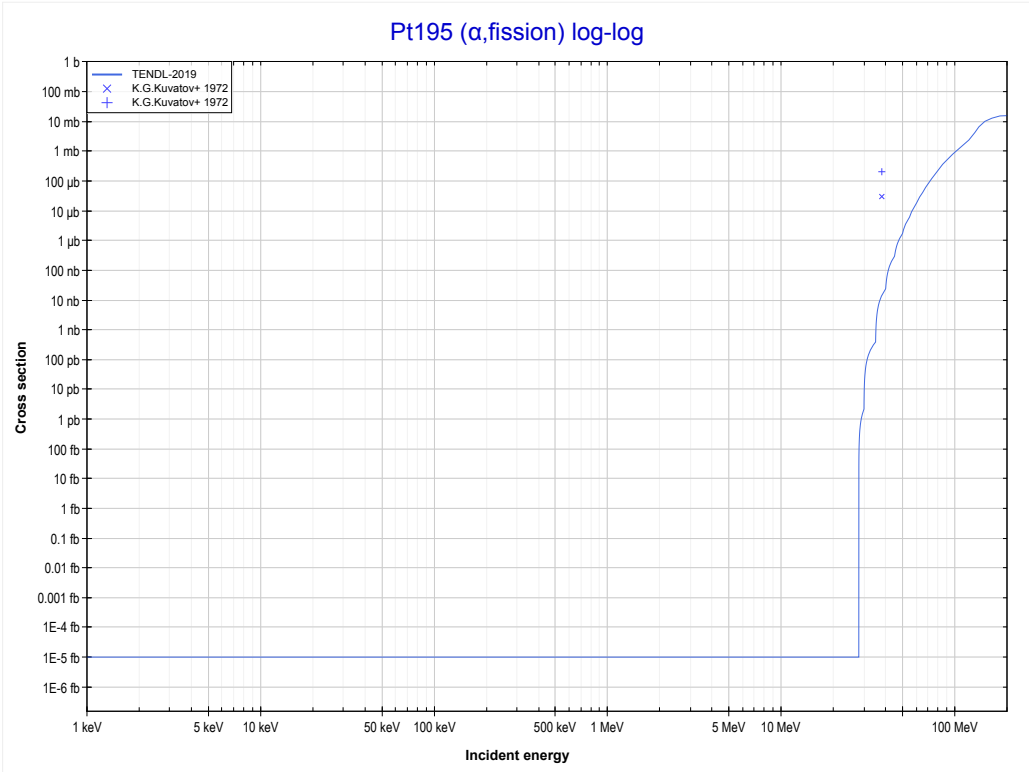


Reaction	Q-Value
Ir193($\alpha,5n$)Au192	-39695.87 keV

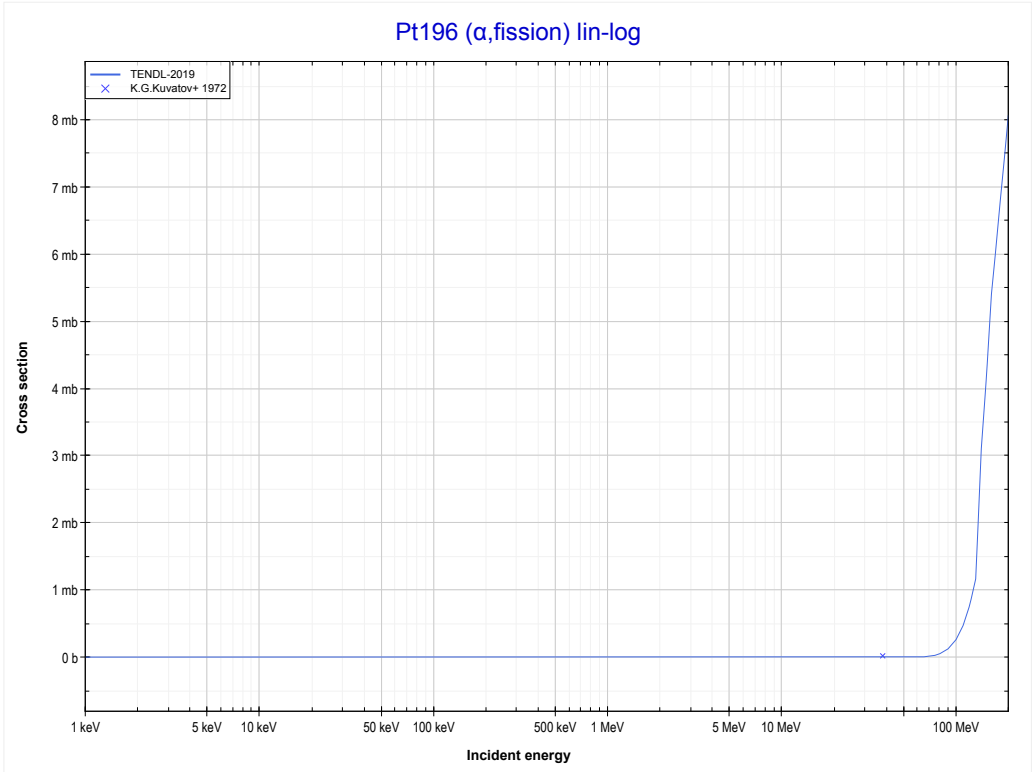
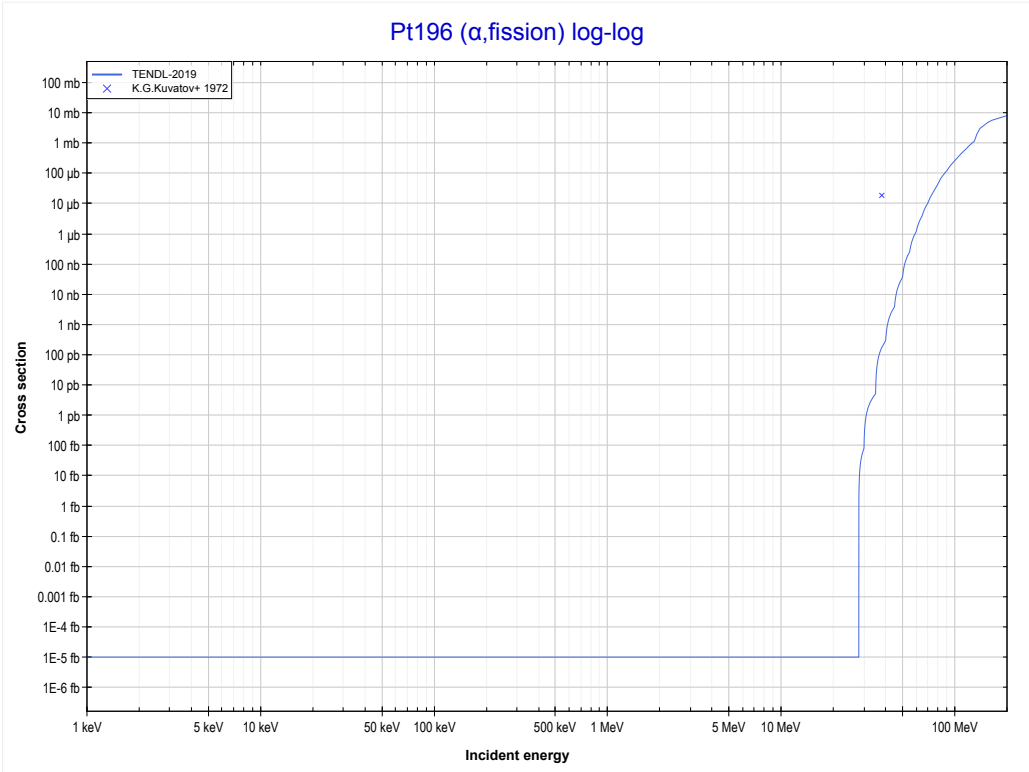
<< 76-Os-192	78-Pt-194	78-Pt-195 >>
<< 77-Ir-193 MT152 (α ,5n)	MT18 (α ,fission)	78-Pt-195 MT18 (α ,fission) >>



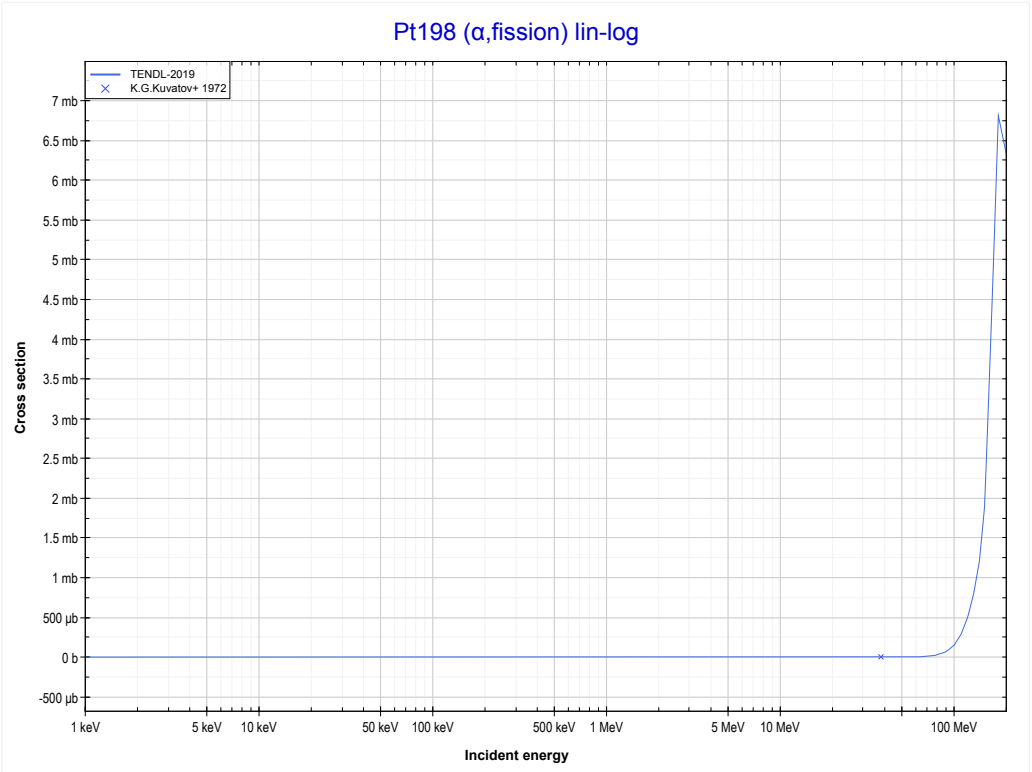
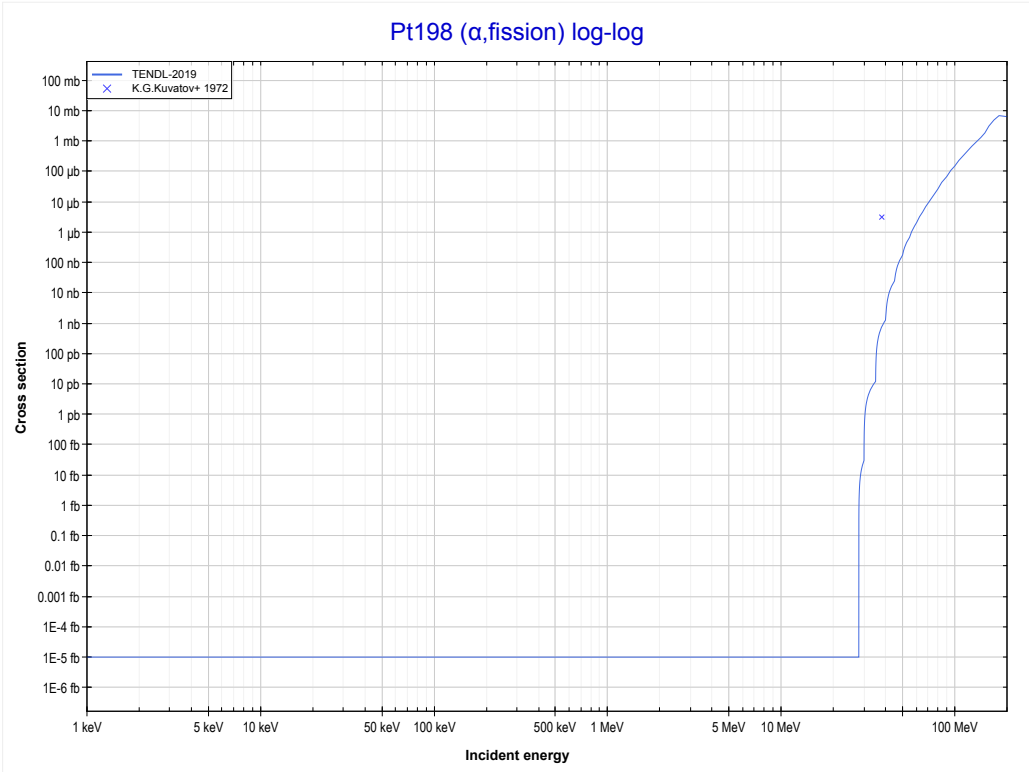
<< 78-Pt-194	78-Pt-195	78-Pt-196 >>
<< 78-Pt-194 MT18 (α,fission)	MT18 (α,fission)	78-Pt-196 MT18 (α,fission) >>



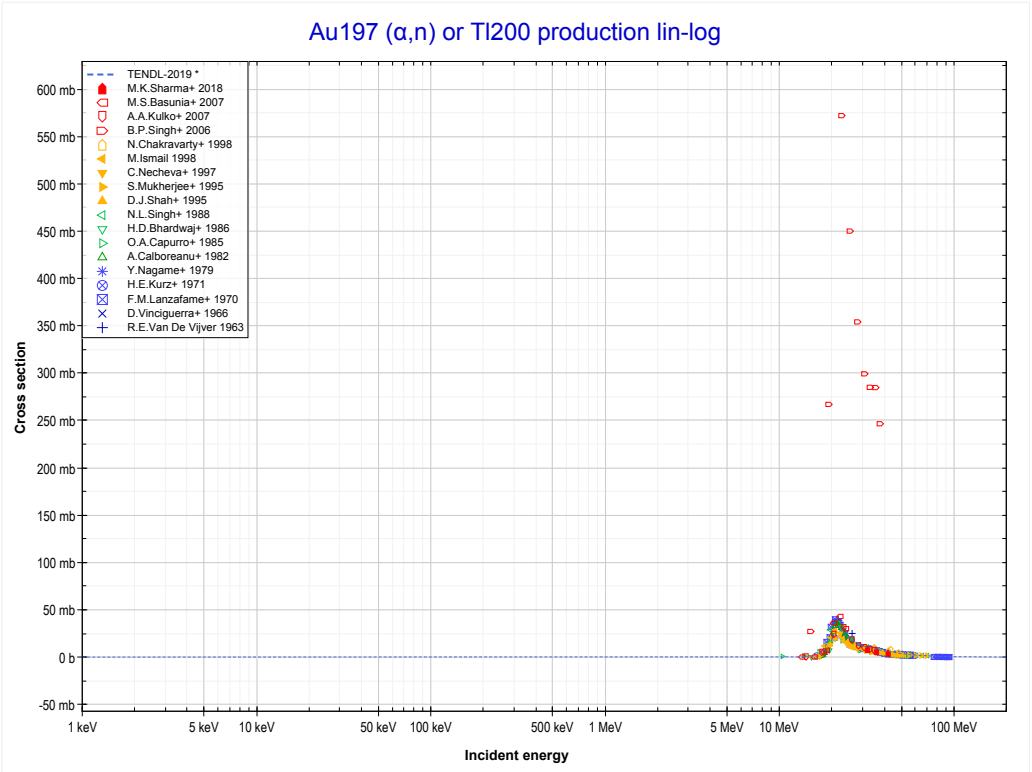
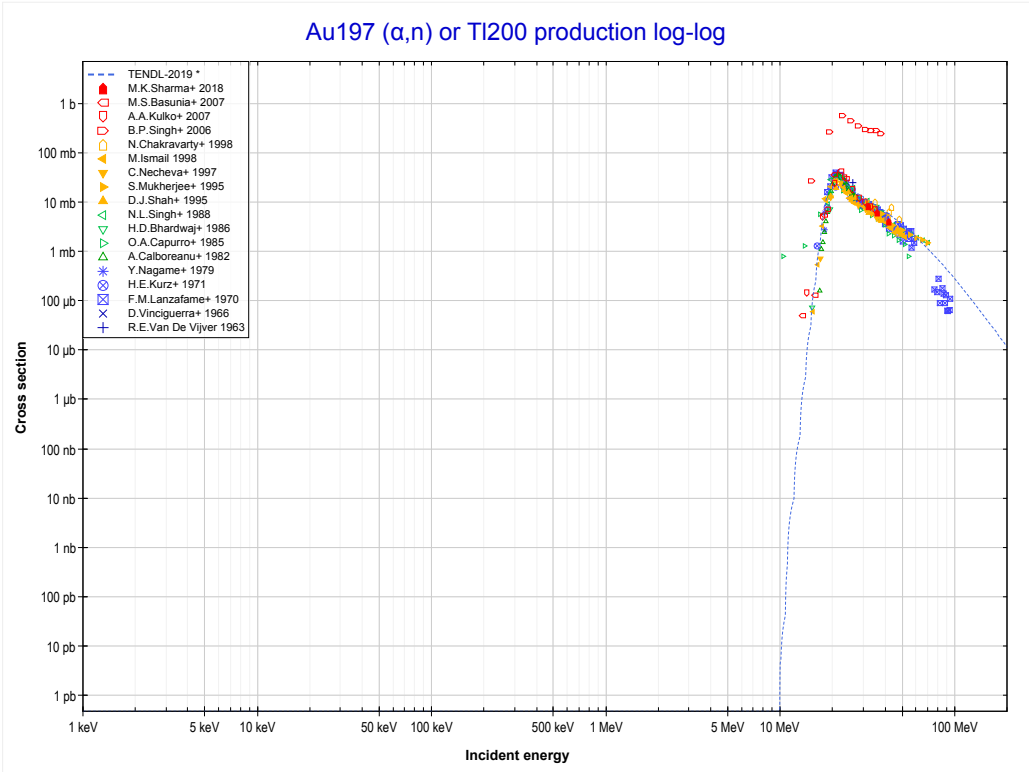
<< 78-Pt-195	78-Pt-196	78-Pt-198 >>
<< 78-Pt-195 MT18 (α,fission)	MT18 (α,fission)	78-Pt-198 MT18 (α,fission) >>



<< 78-Pt-196	78-Pt-198	79-Au-197 >>
<< 78-Pt-196 MT18 (α,fission)	MT18 (α,fission)	79-Au-197 MT4 (α,n) >>

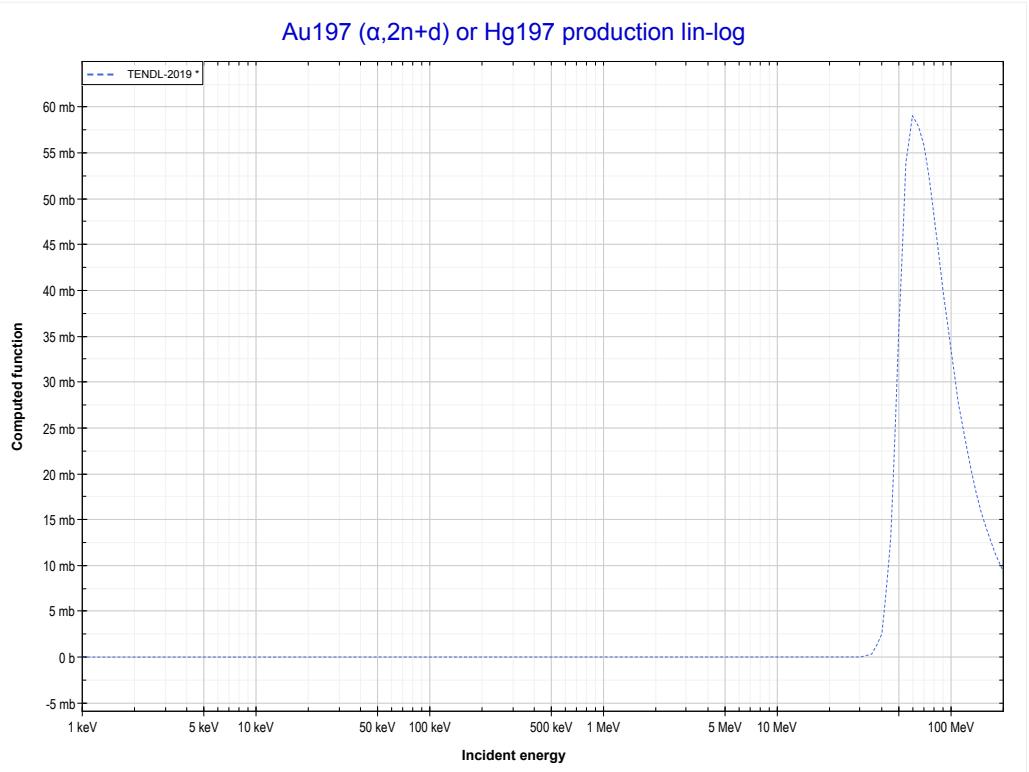
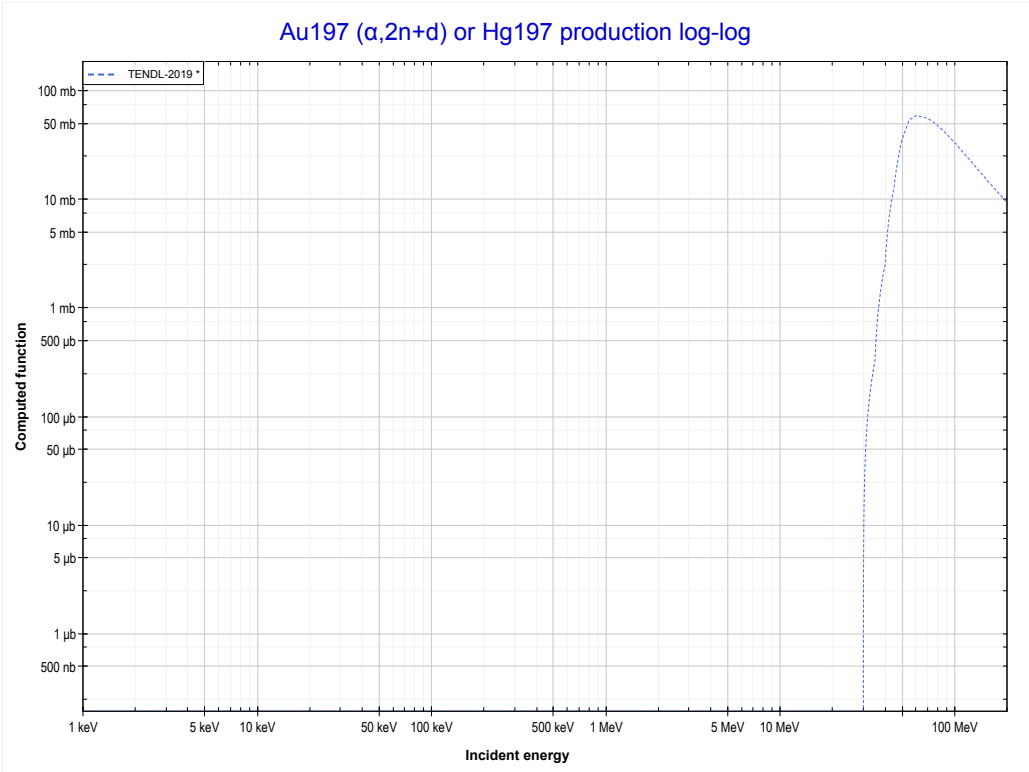


<< 77-Ir-191	79-Au-197	81-Tl-203 >>
<< 78-Pt-198 MT18 (α,fission)	MT4 (α,n) or MT5 (Tl200 production)	MT11 (α,2n+d) >>



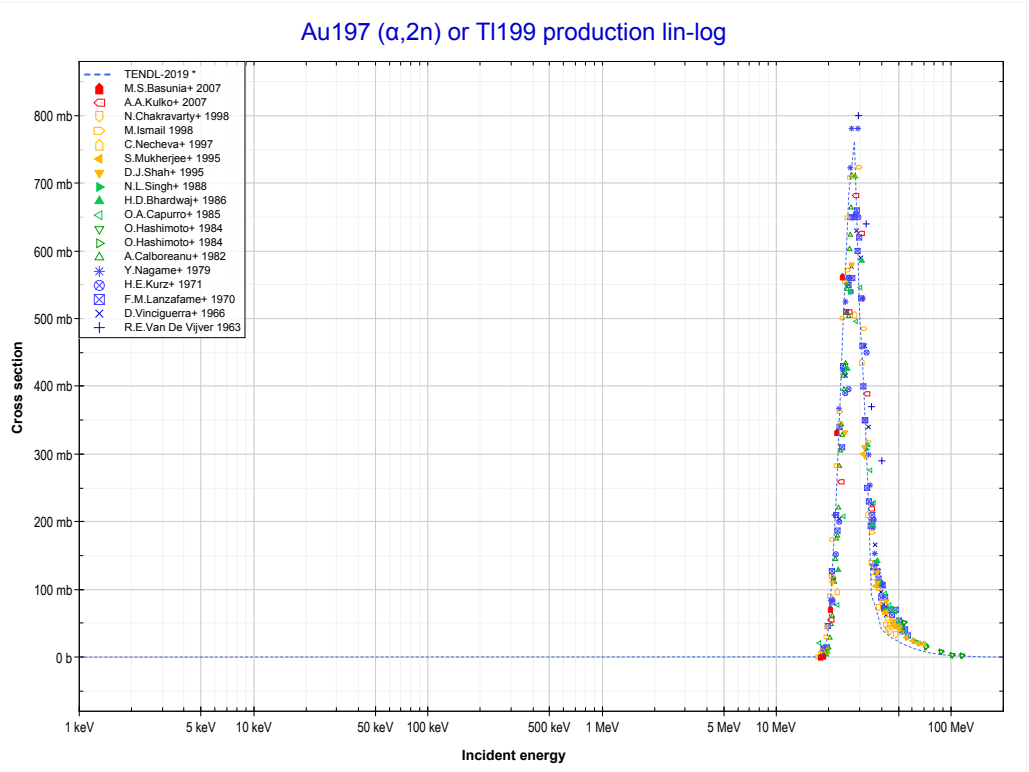
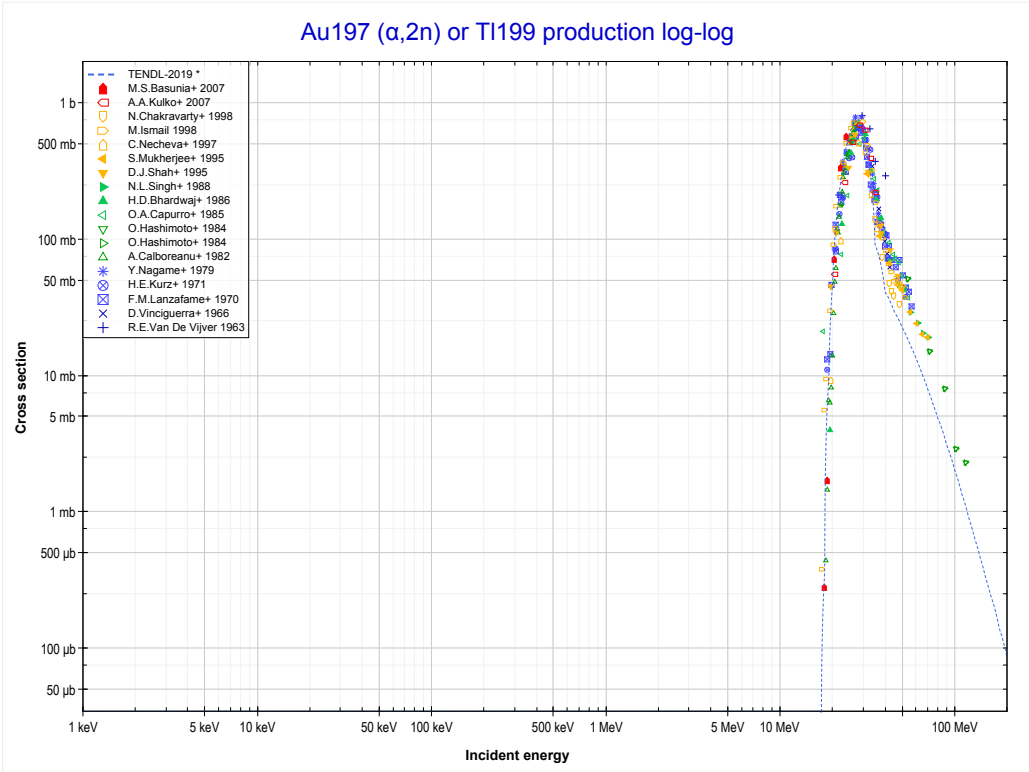
Reaction	Q-Value
Au197(α,n)Tl200	-9739.10 keV

<< 74-W-186	79-Au-197	82-Pb-206 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Hg197 production)	MT16 (α,2n) >>



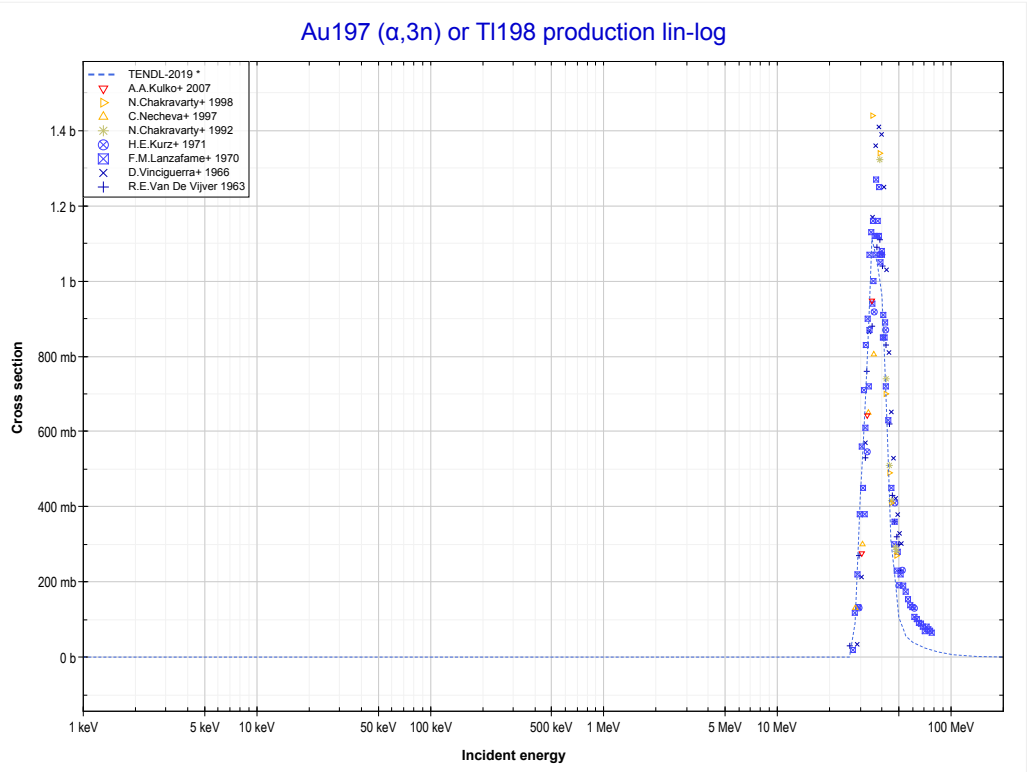
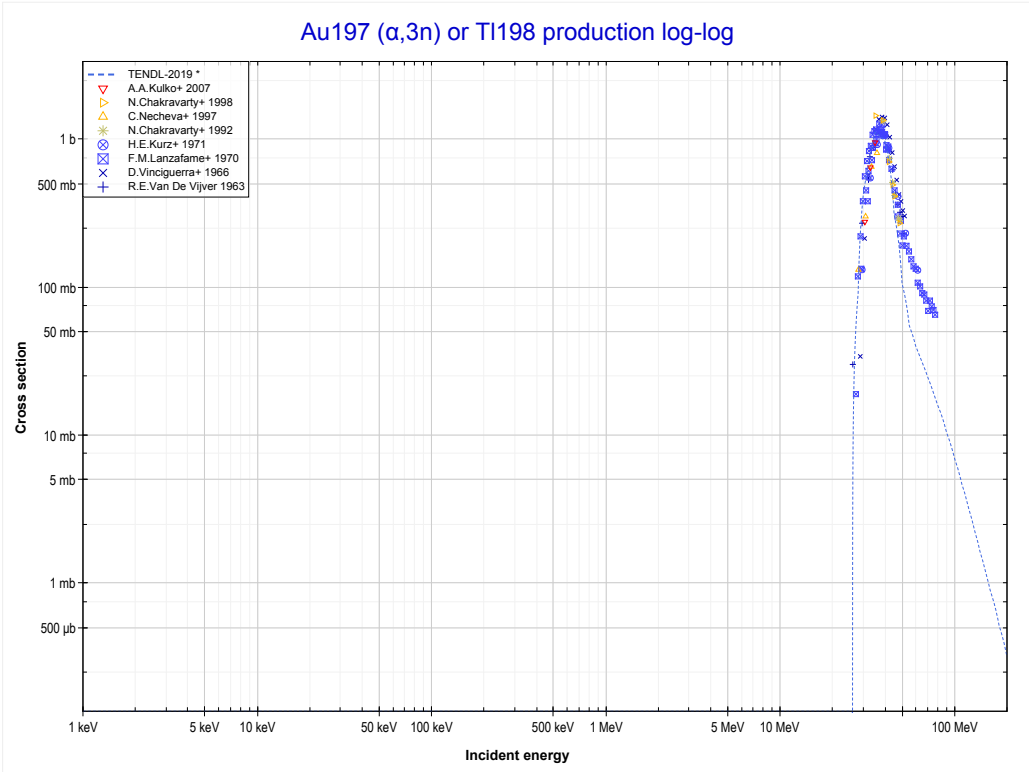
Reaction	Q-Value
Au197(α,n+t)Hg197	-21195.91 keV
Au197(α,2n+d)Hg197	-27453.14 keV
Au197(α,3n+p)Hg197	-29677.71 keV

<< 77-Ir-193	79-Au-197	81-Tl-203 >>
<< MT11 (α,2n+d)	MT16 (α,2n) or MT5 (Tl199 production)	MT17 (α,3n) >>



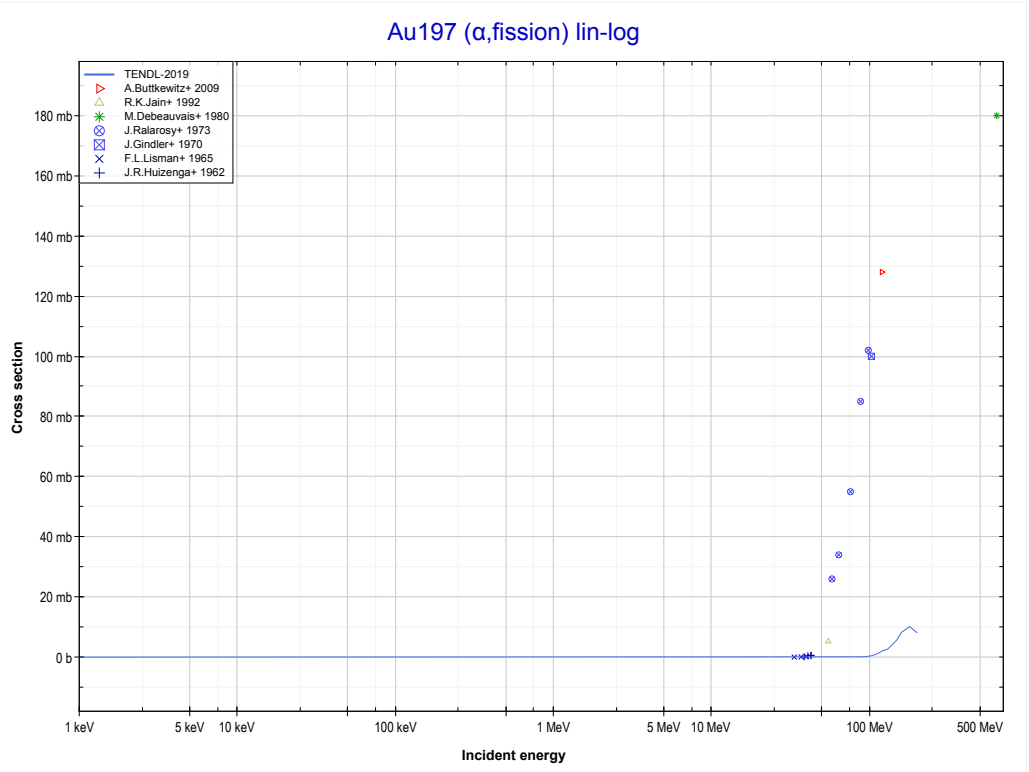
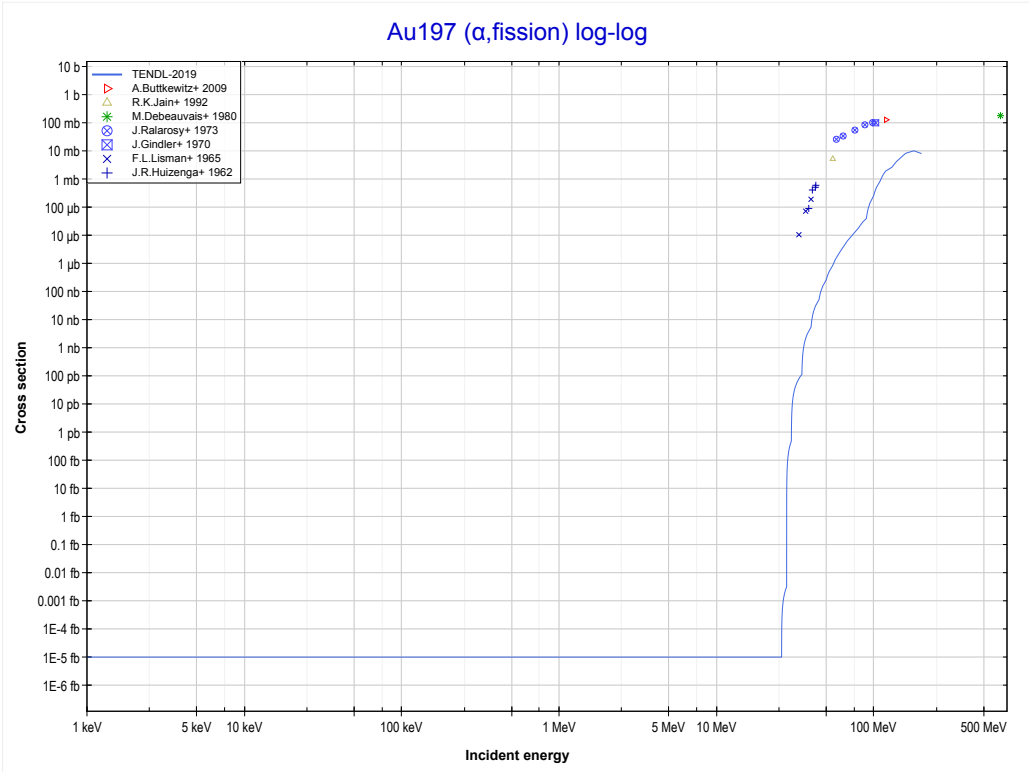
Reaction	Q-Value
Au197(α,2n)Tl199	-16798.42 keV

<< 77-Ir-193	79-Au-197	81-Tl-203 >>
<< MT16 (α,2n)	MT17 (α,3n) or MT5 (Tl198 production)	MT18 (α,fission) >>

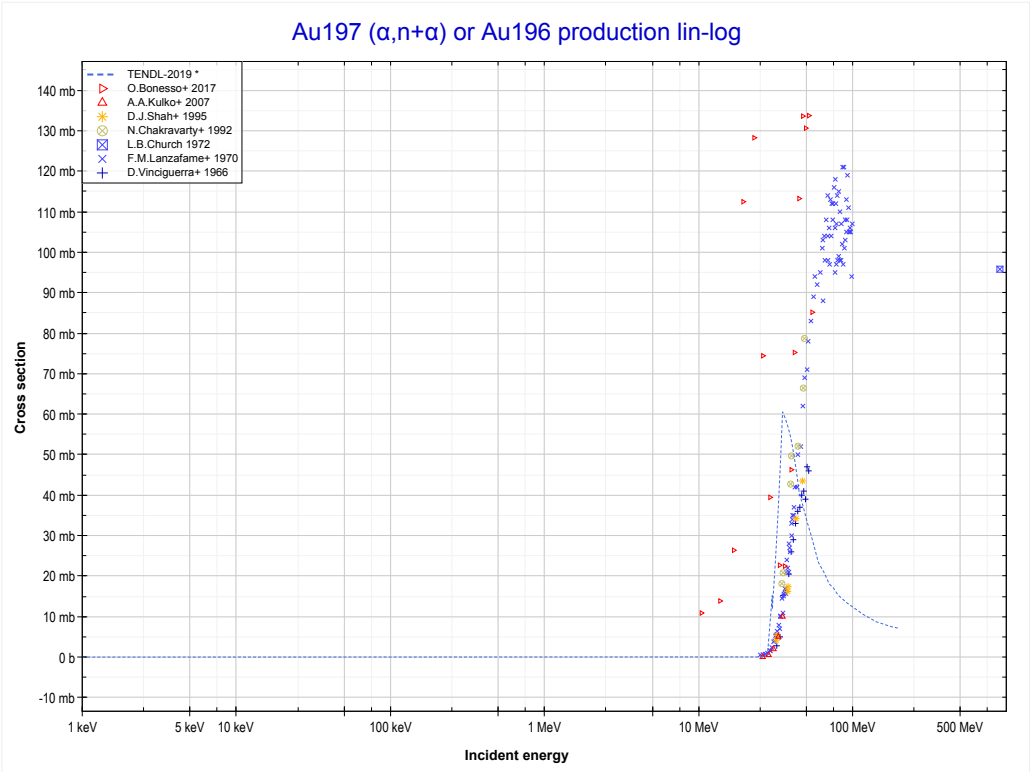
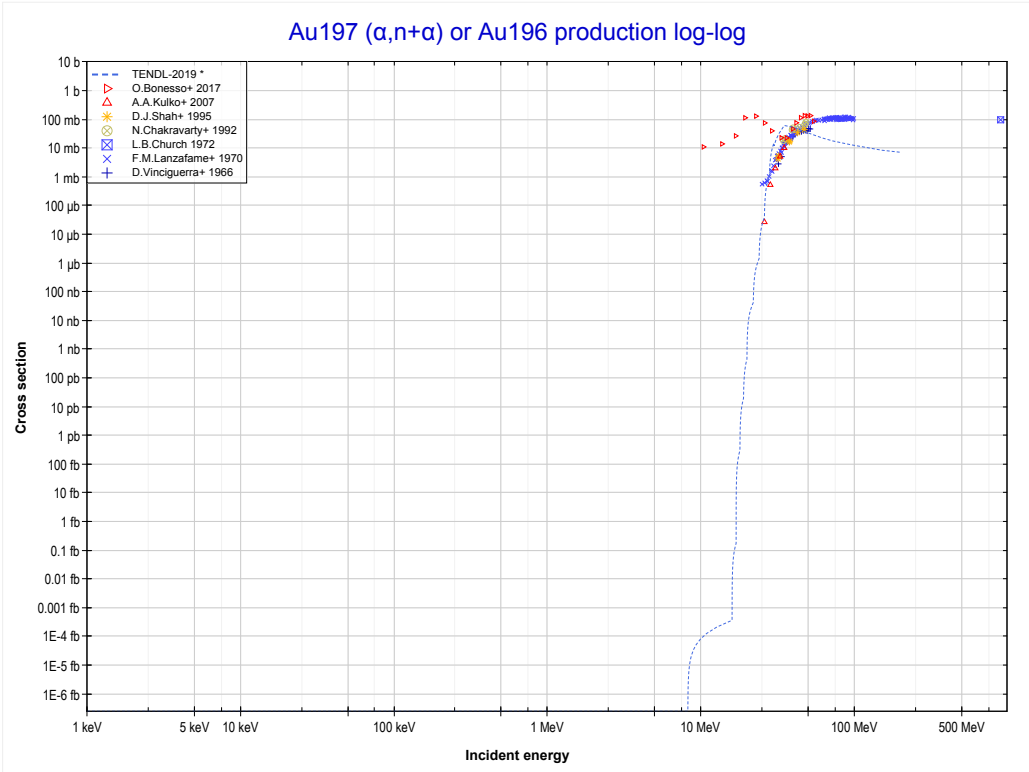


Reaction	Q-Value
Au197(α,3n)Tl198	-25399.74 keV

<< 78-Pt-198	79-Au-197	81-Tl-203 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT22 ($\alpha,n+\alpha$) >>

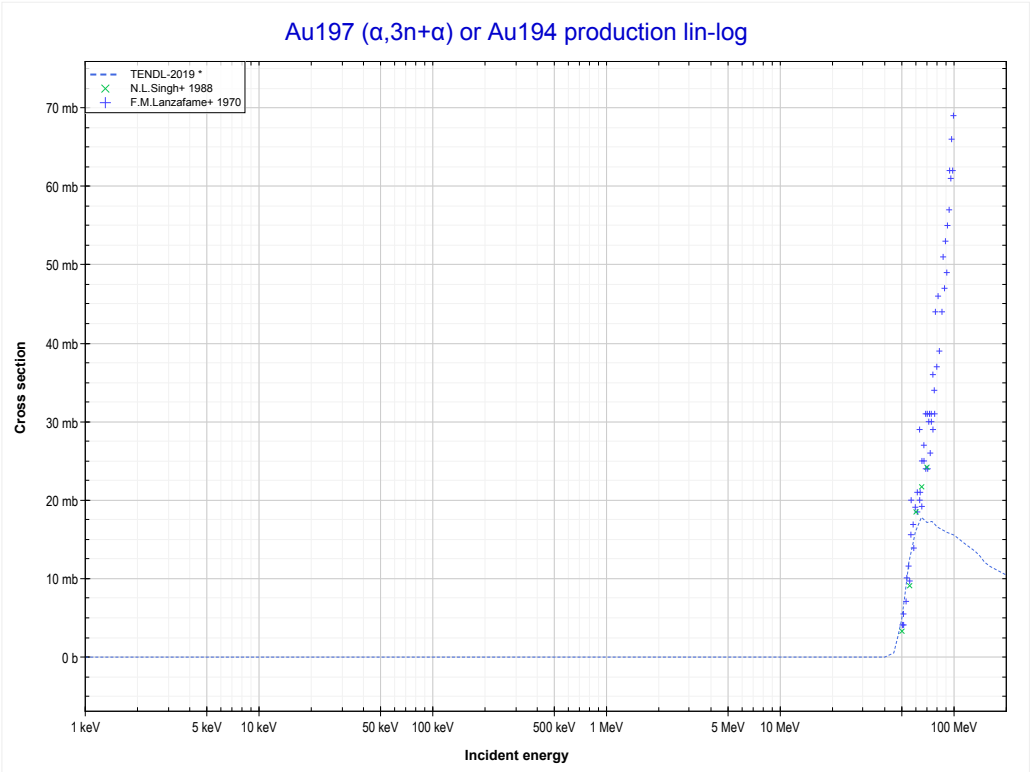
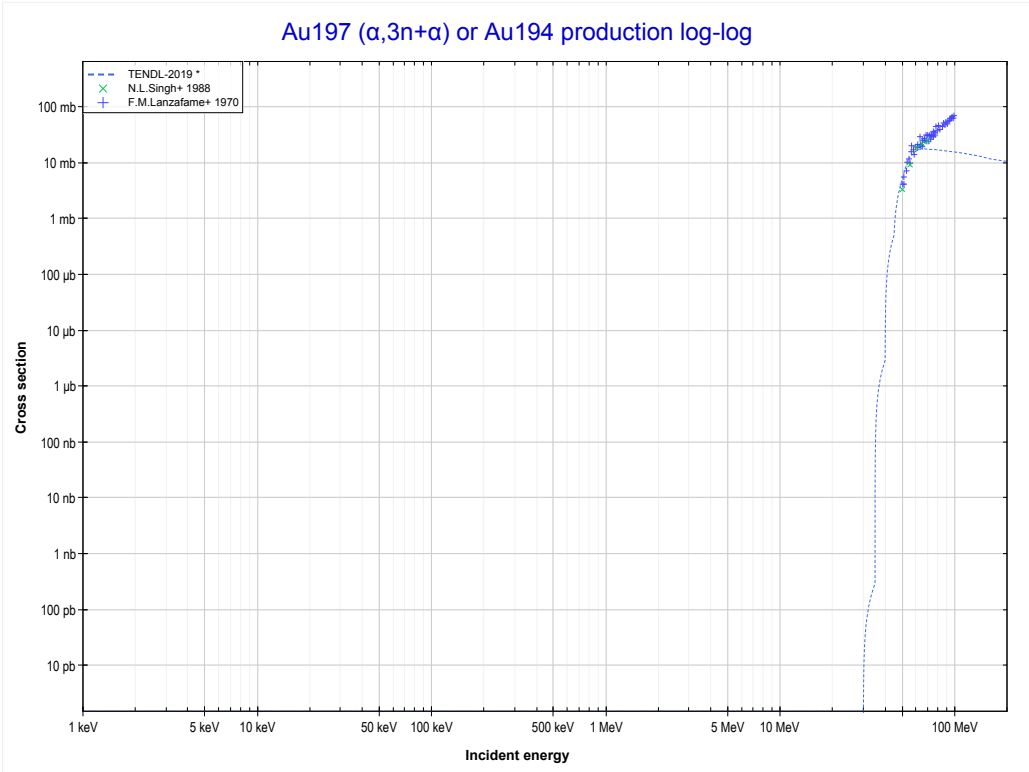


<< 75-Re-185	79-Au-197	92-U-238 >>
<< MT18 (α,fission)	MT22 (α,n+α) or MT5 (Au196 production)	MT25 (α,3n+α) >>



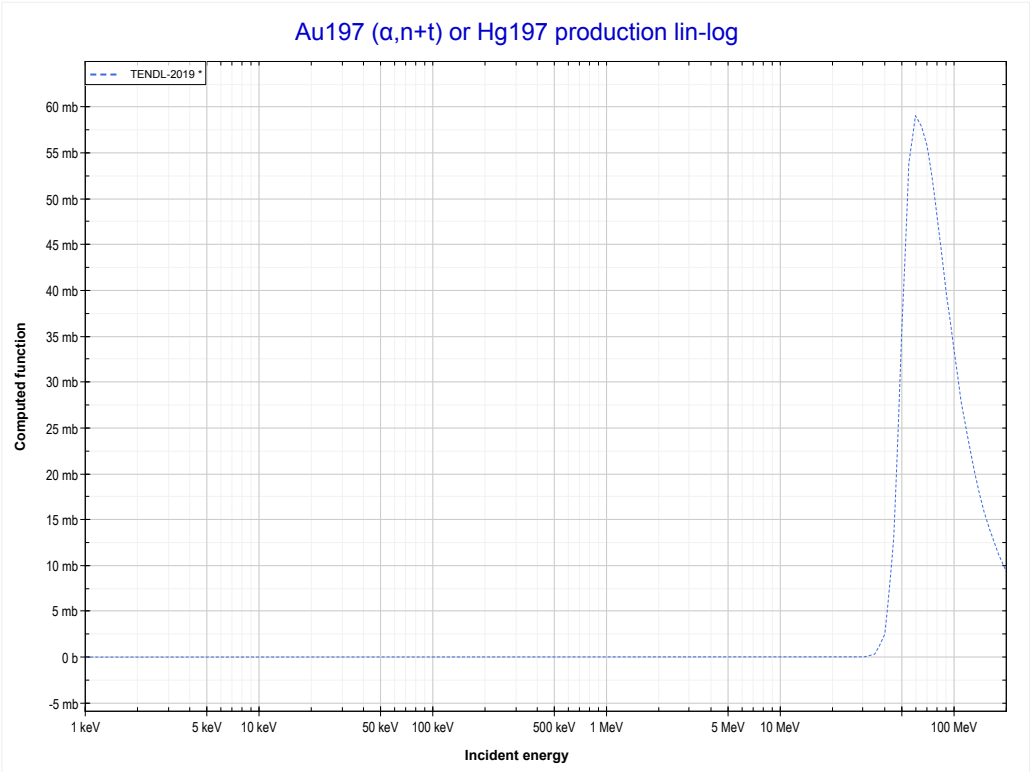
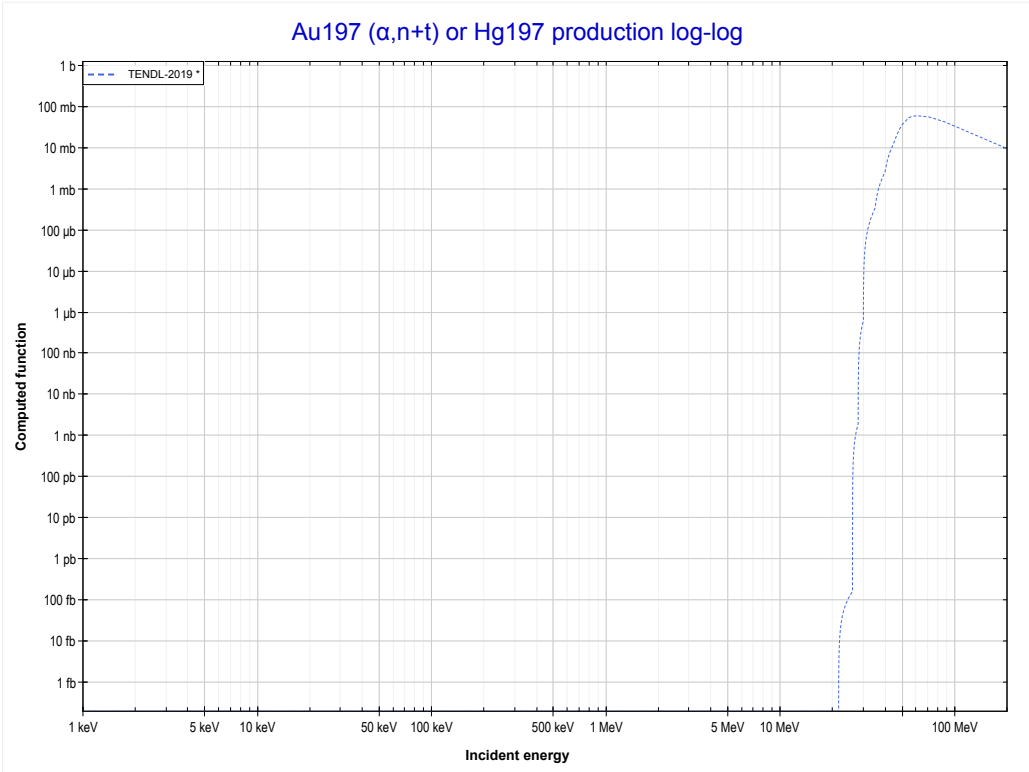
Reaction	Q-Value
Au197(α,n+α)Au196	-8072.32 keV
Au197(α,d+t)Au196	-25661.62 keV
Au197(α,n+p+t)Au196	-27886.18 keV
Au197(α,2n+He3)Au196	-28649.94 keV
Au197(α,n+2d)Au196	-31918.84 keV
Au197(α,2n+p+d)Au196	-34143.41 keV
Au197(α,3n+2p)Au196	-36367.98 keV

<< 65-Tb-159	79-Au-197	
<< MT22 (α,n+α)	MT25 (α,3n+α) or MT5 (Au194 production)	MT33 (α,n+t) >>



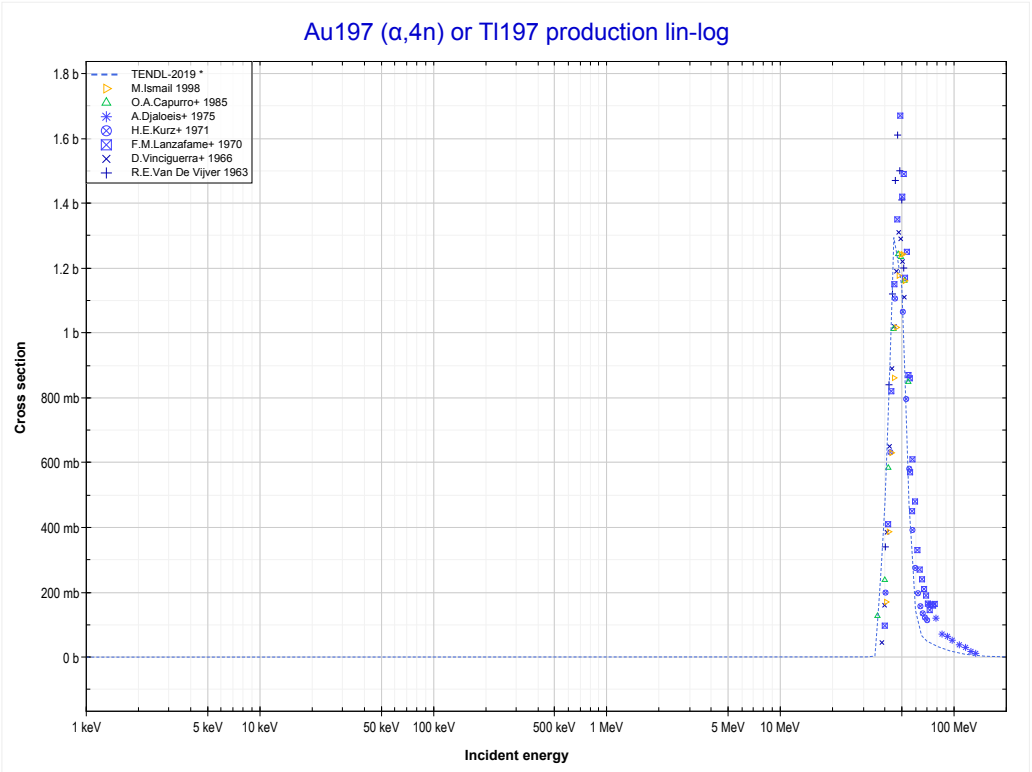
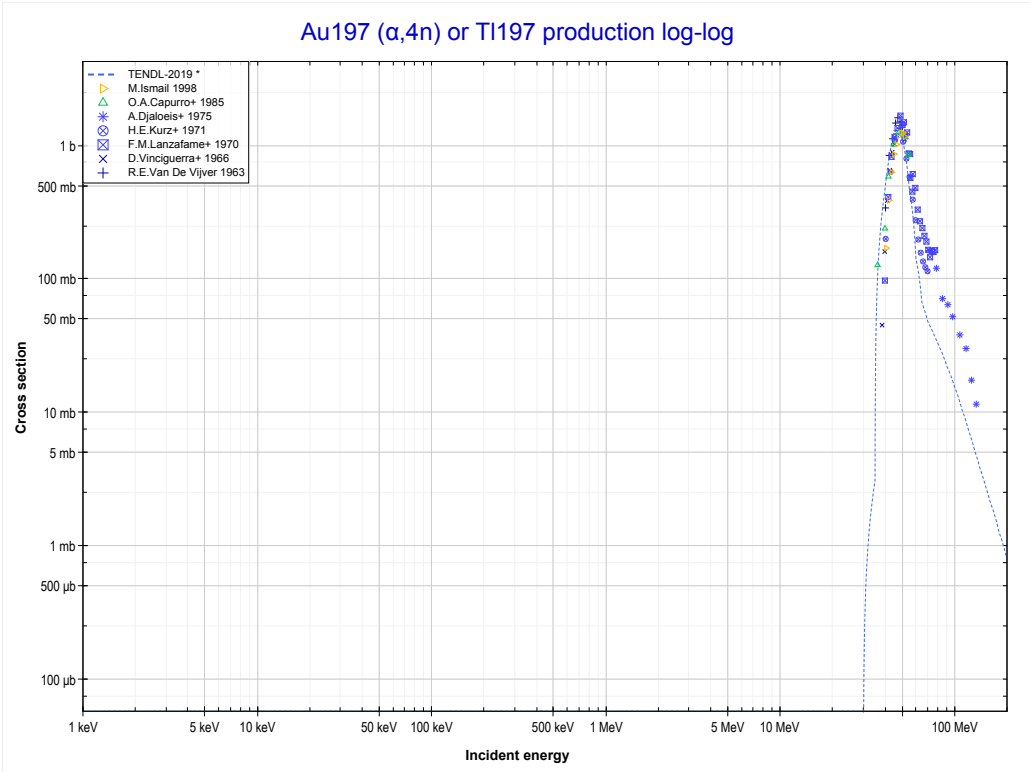
Reaction	Q-Value
Au197(α,3n+α)Au194	-23141.75 keV
Au197(α,n+2t)Au194	-34473.82 keV
Au197(α,2n+d+t)Au194	-40731.05 keV
Au197(α,3n+p+t)Au194	-42955.62 keV
Au197(α,4n+He3)Au194	-43719.37 keV
Au197(α,3n+2d)Au194	-46988.28 keV
Au197(α,4n+p+d)Au194	-49212.85 keV
Au197(α,5n+2p)Au194	-51437.41 keV

<< 74-W-186	79-Au-197	82-Pb-206 >>
<< MT25 ($\alpha,3n+\alpha$)	MT33 ($\alpha,n+t$) or MT5 (Hg197 production)	MT37 ($\alpha,4n$) >>



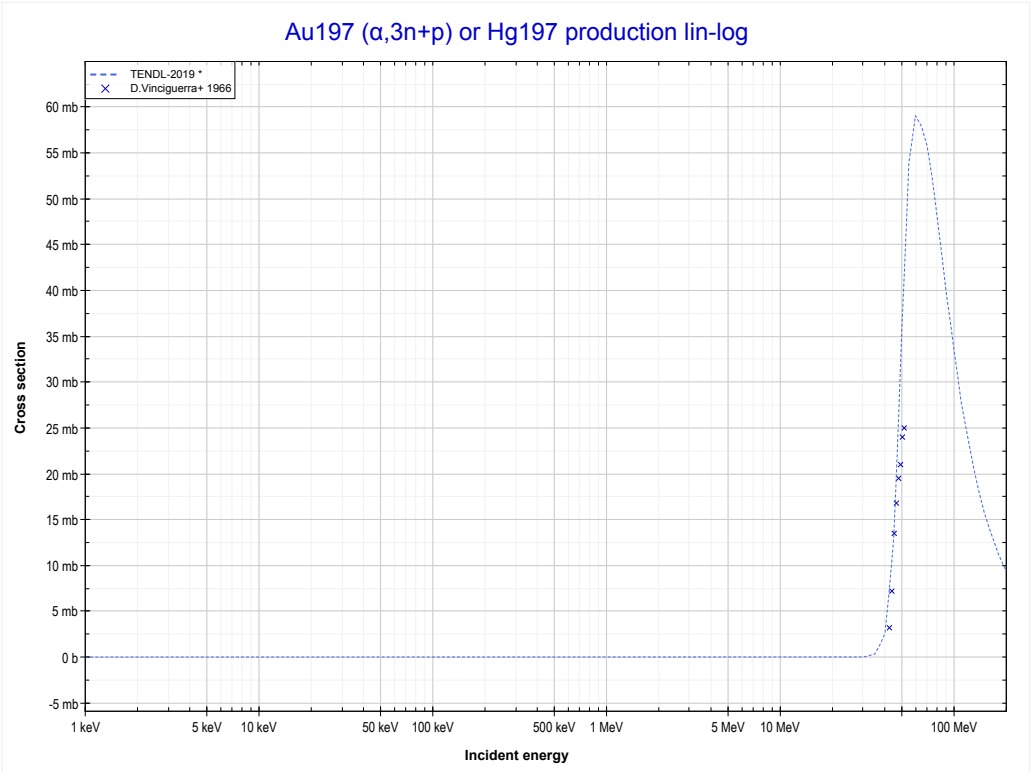
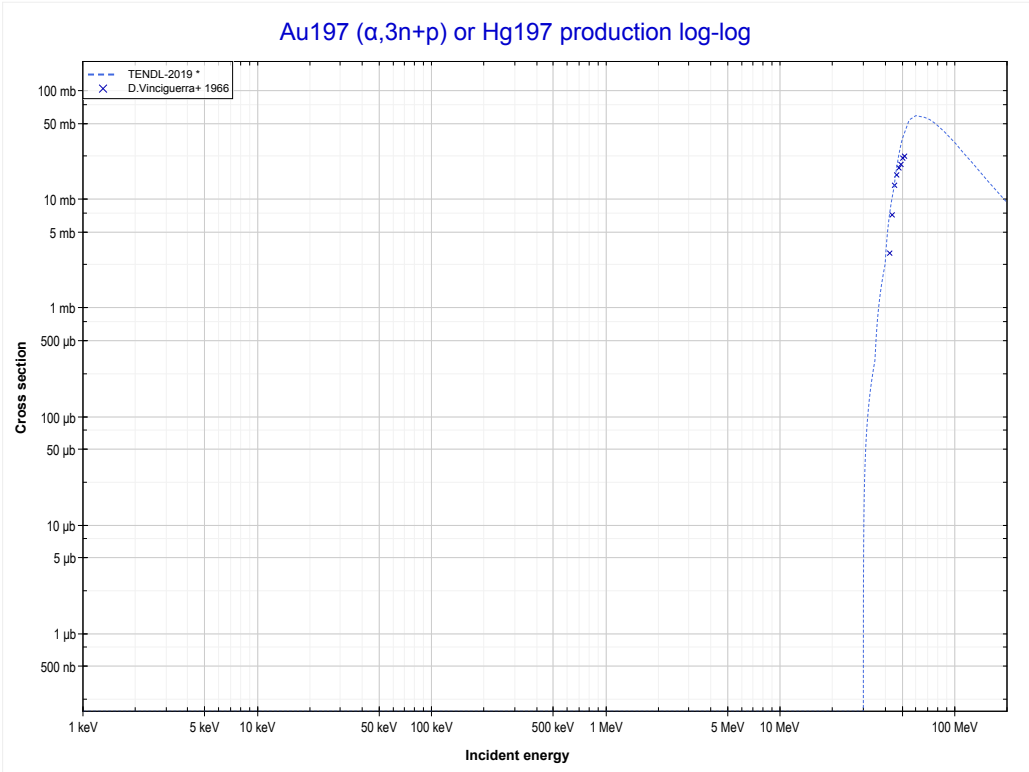
Reaction	Q-Value
Au197($\alpha,n+t$)Hg197	-21195.91 keV
Au197($\alpha,2n+d$)Hg197	-27453.14 keV
Au197($\alpha,3n+p$)Hg197	-29677.71 keV

<< 77-Ir-193	79-Au-197	81-Tl-203 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Tl197 production)	MT42 ($\alpha,3n+p$) >>



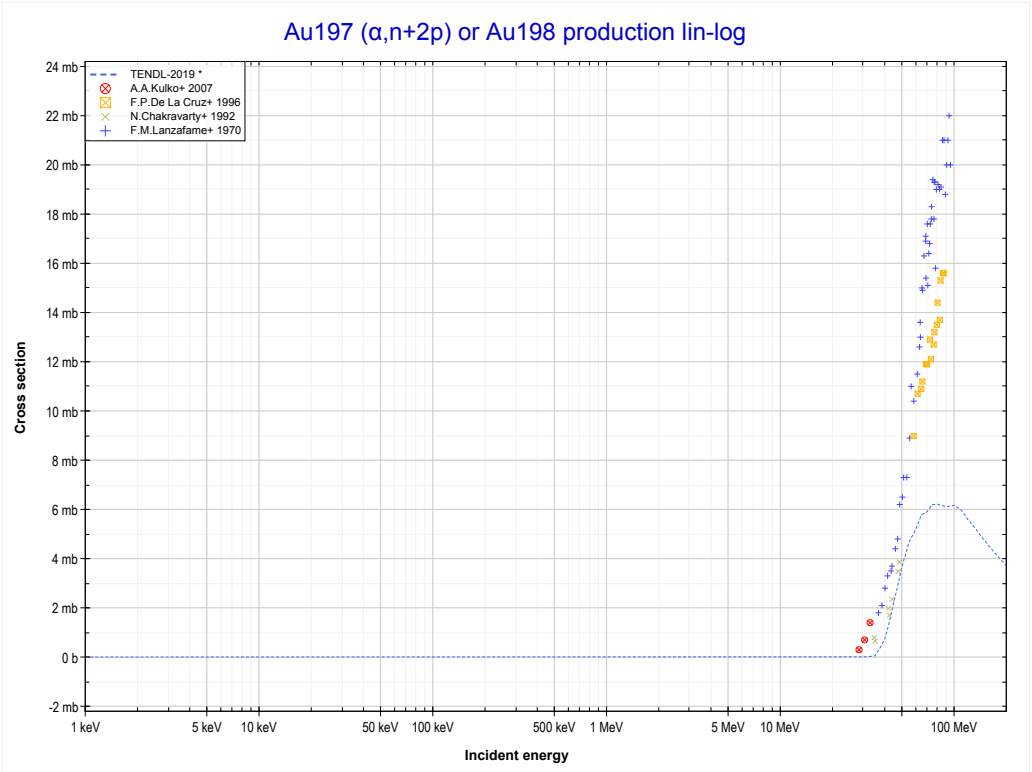
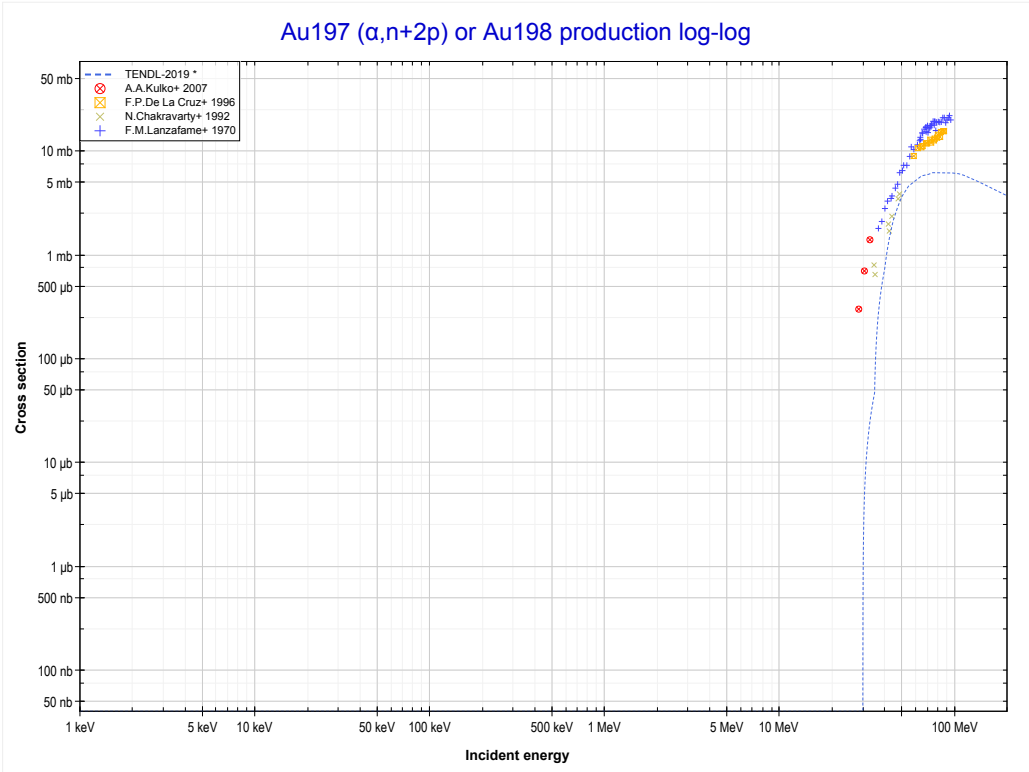
Reaction	Q-Value
Au197($\alpha,4n$)Tl197	-32658.05 keV

<< 74-W-186	79-Au-197	82-Pb-206 >>
<< MT37 (α,4n)	MT42 (α,3n+p) or MT5 (Hg197 production)	MT44 (α,n+2p) >>



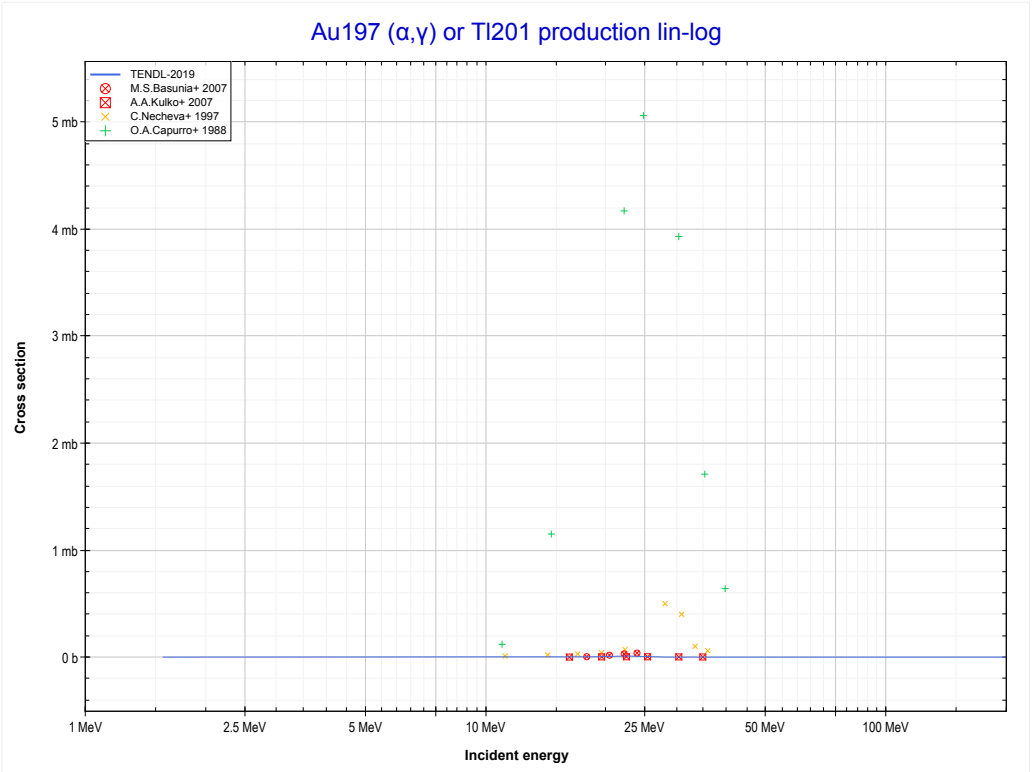
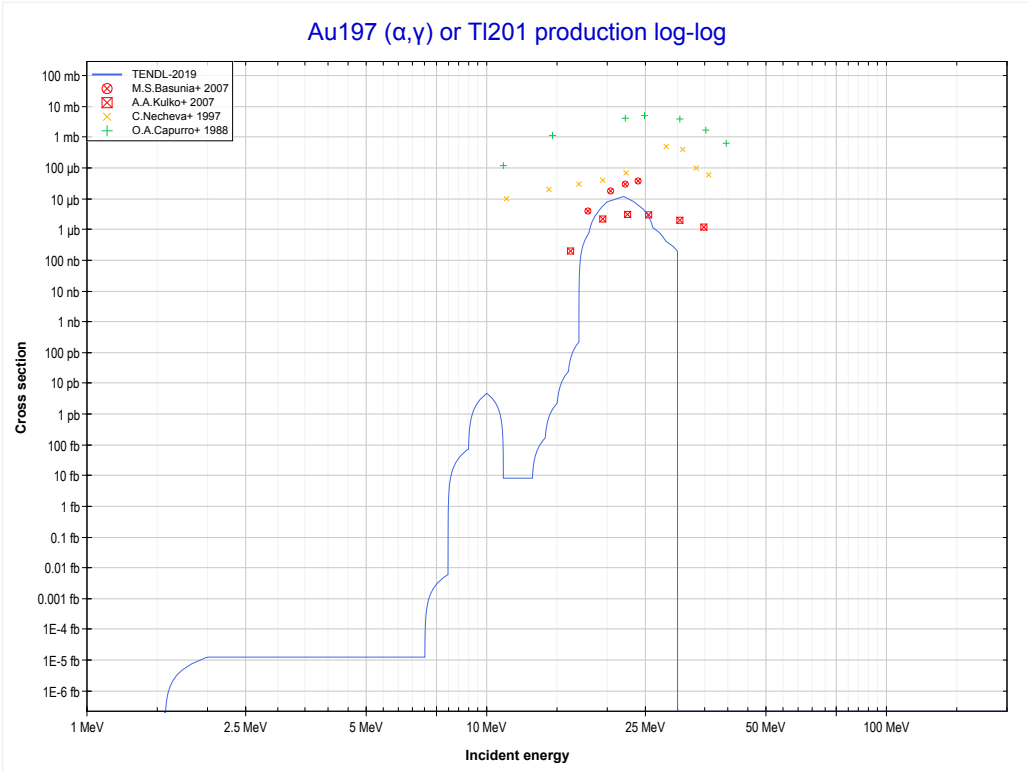
Reaction	Q-Value
Au197(α,n+t)Hg197	-21195.91 keV
Au197(α,2n+d)Hg197	-27453.14 keV
Au197(α,3n+p)Hg197	-29677.71 keV

<< 75-Re-185	79-Au-197	
<< MT42 ($\alpha,3n+p$)	MT44 ($\alpha,n+2p$) or MT5 (Au198 production)	MT102 (α,γ) >>



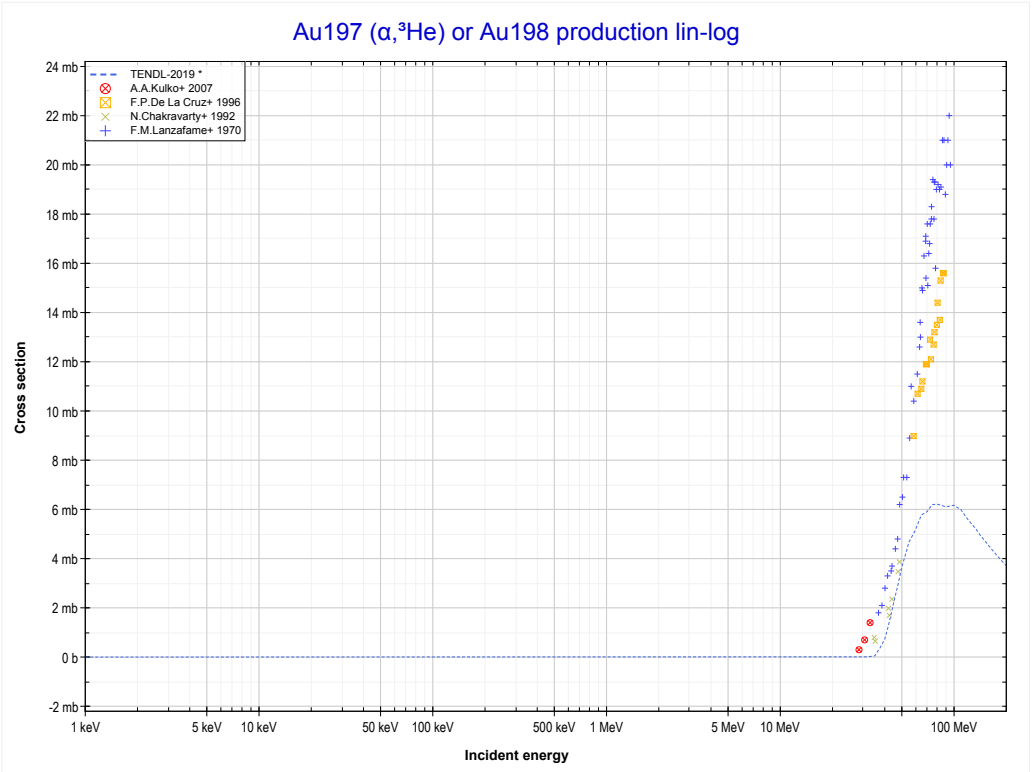
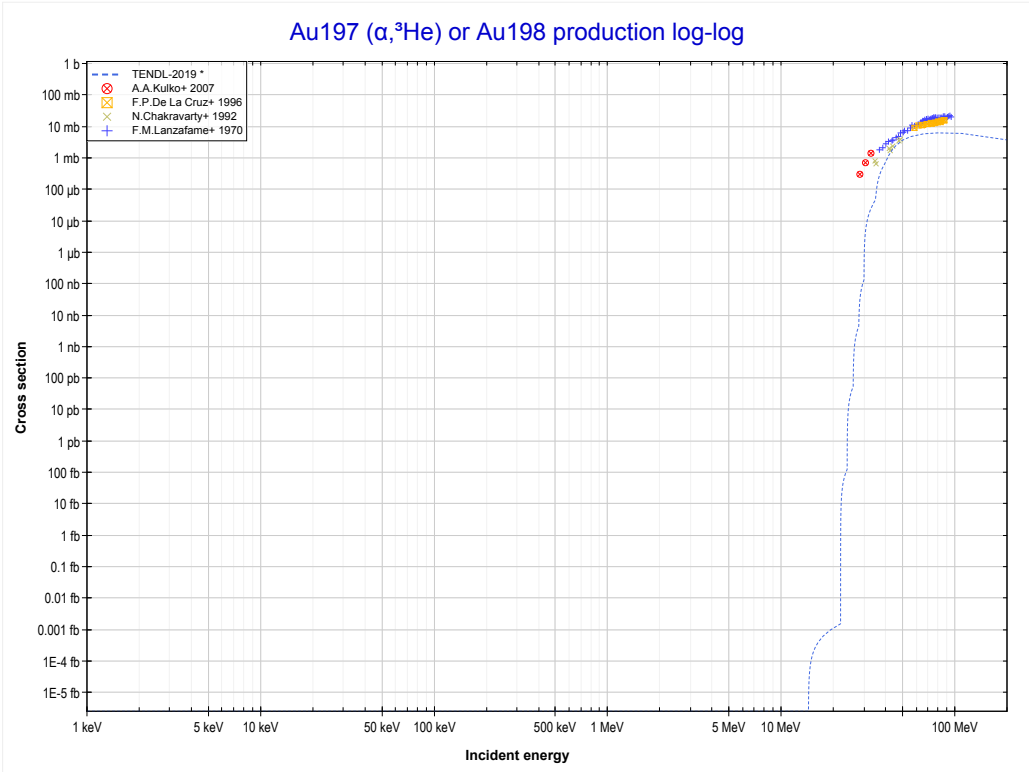
Reaction	Q-Value
Au197($\alpha,\text{He3}$)Au198	-14065.20 keV
Au197($\alpha,p+d$)Au198	-19558.68 keV
Au197($\alpha,n+2p$)Au198	-21783.24 keV

<< 62-Sm-144	79-Au-197	
<< MT44 (α ,n+2p)	MT102 (α , γ) or MT5 (TI201 production)	MT106 (α , ^3He) >>



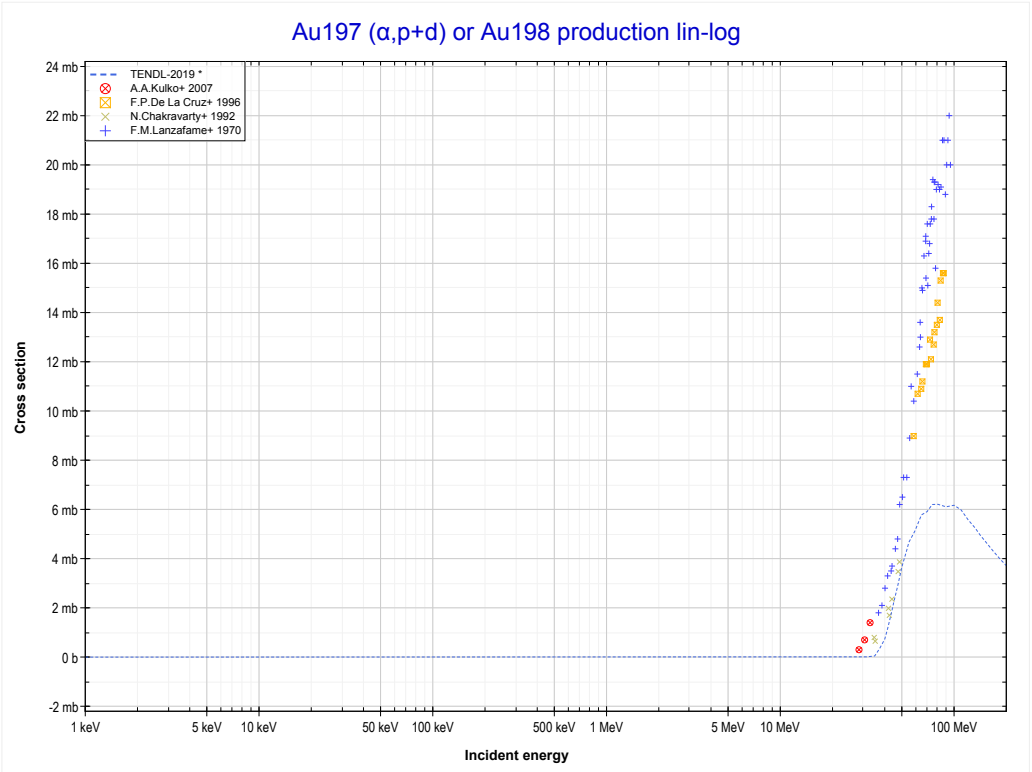
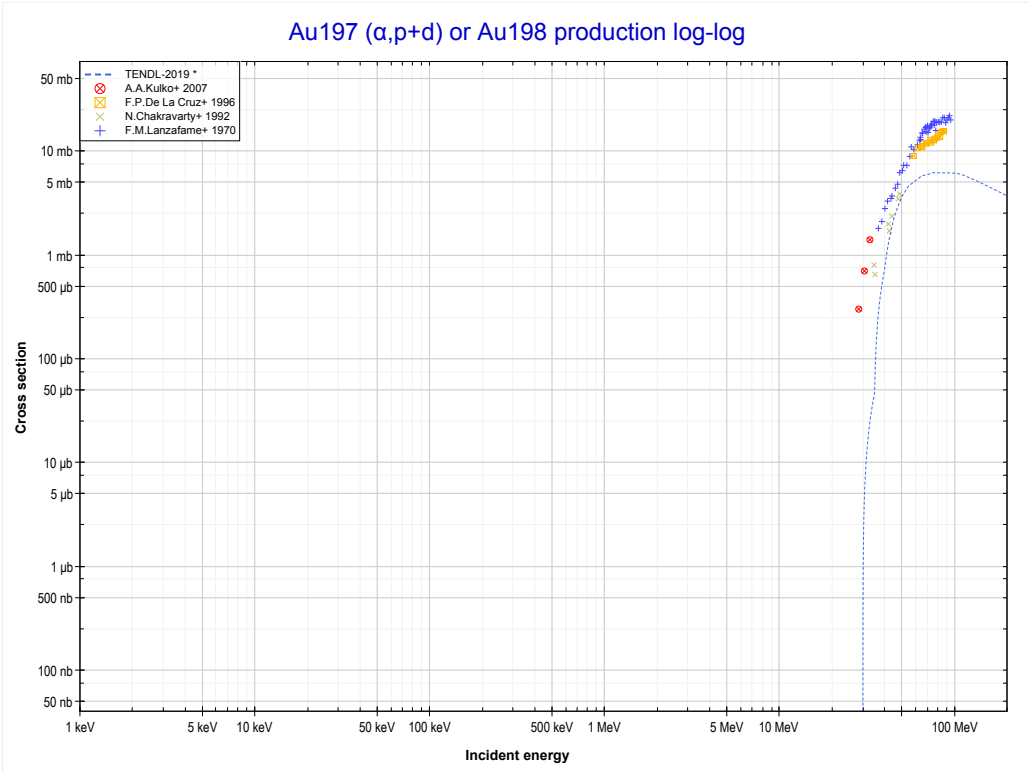
Reaction	Q-Value
Au197(α , γ)TI201	-1533.78 keV

<< 75-Re-185	79-Au-197	
<< MT102 (α,γ)	MT106 ($\alpha,^3\text{He}$) or MT5 (Au198 production)	MT115 ($\alpha,\text{p+d}$) >>



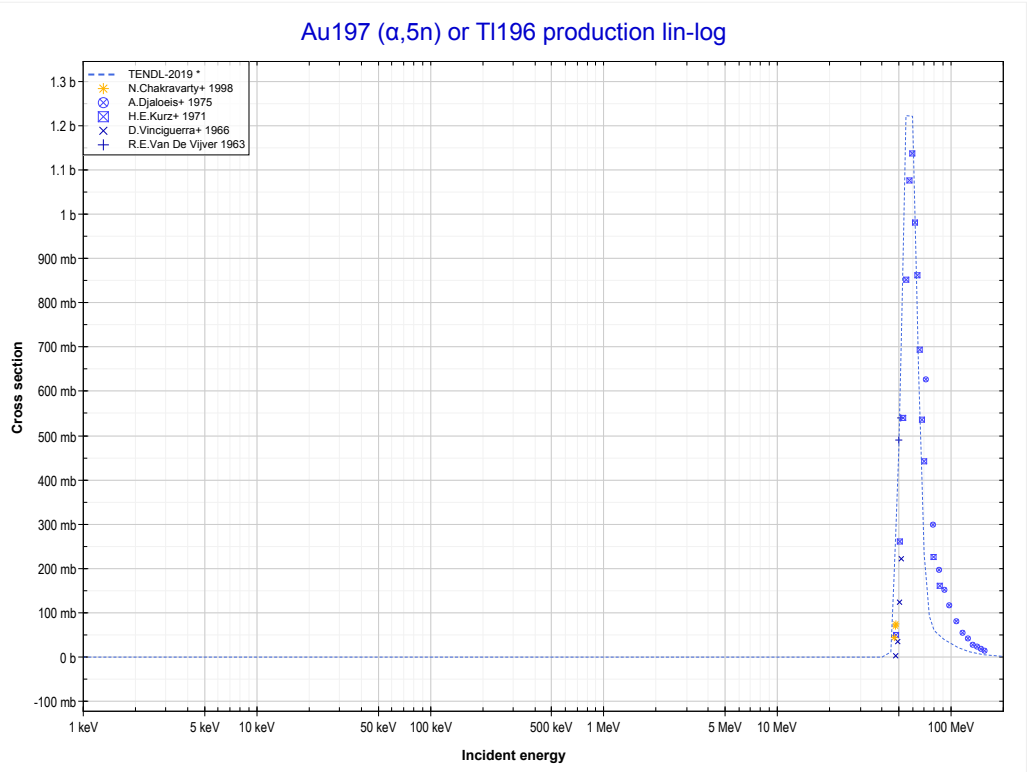
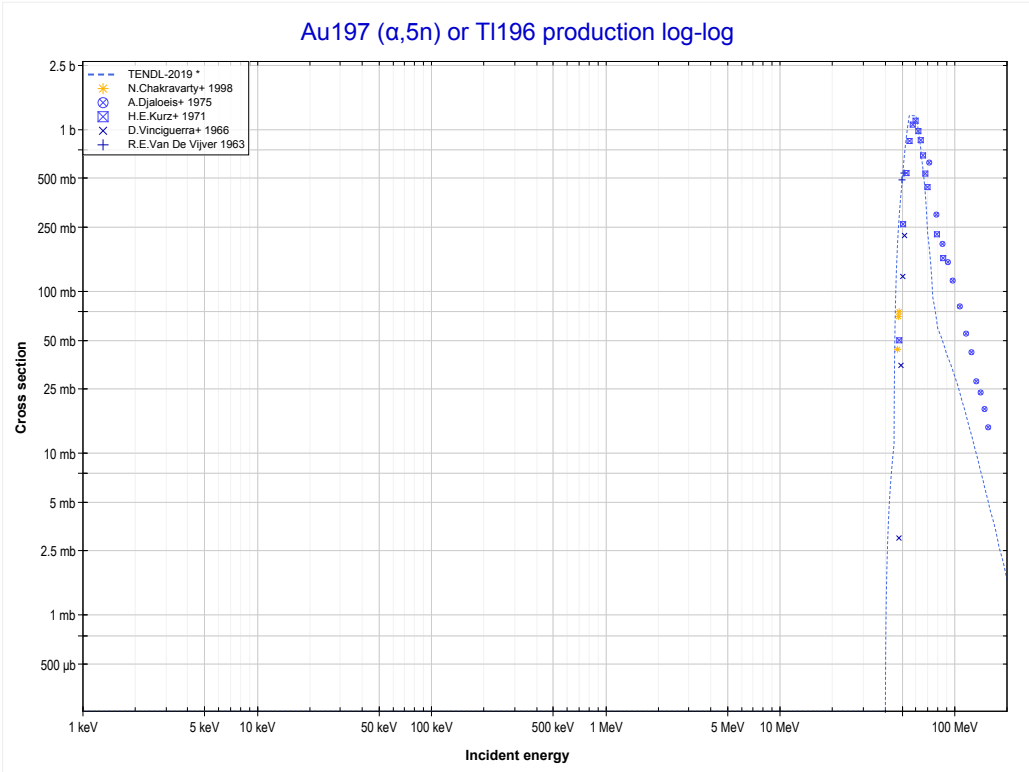
Reaction	Q-Value
Au197($\alpha,\text{He3}$)Au198	-14065.20 keV
Au197($\alpha,\text{p+d}$)Au198	-19558.68 keV
Au197($\alpha,\text{n+2p}$)Au198	-21783.24 keV

<< 75-Re-185	79-Au-197	
<< MT106 (α , ^3He)	MT115 (α ,p+d) or MT5 (Au198 production)	MT152 (α ,5n) >>



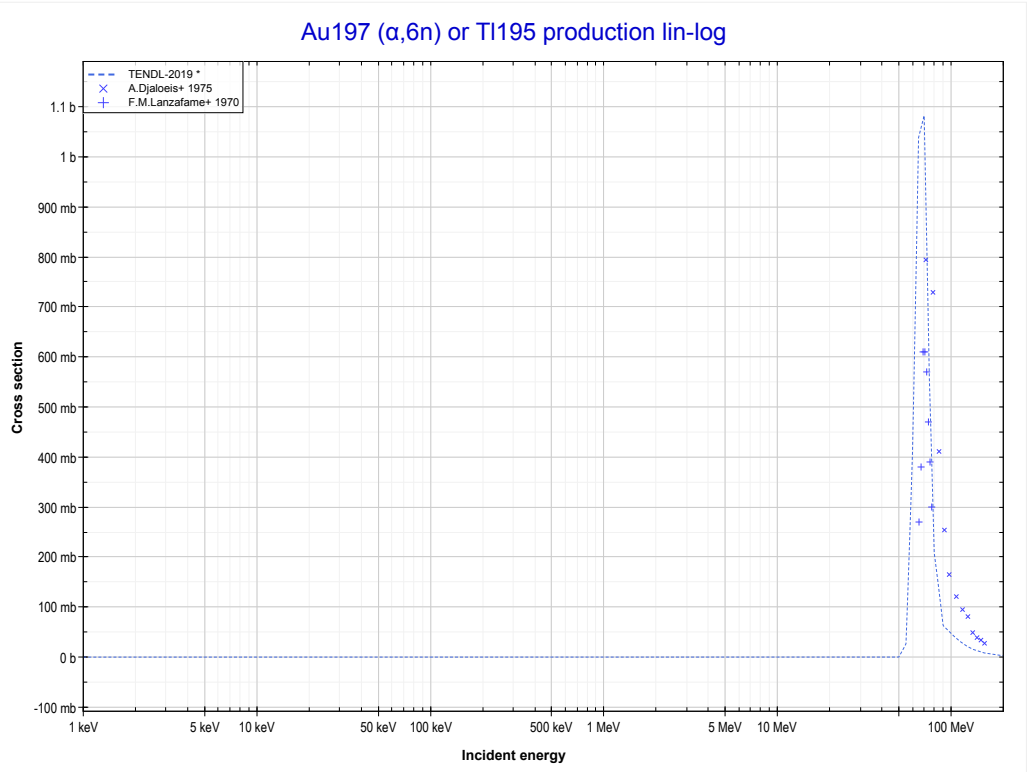
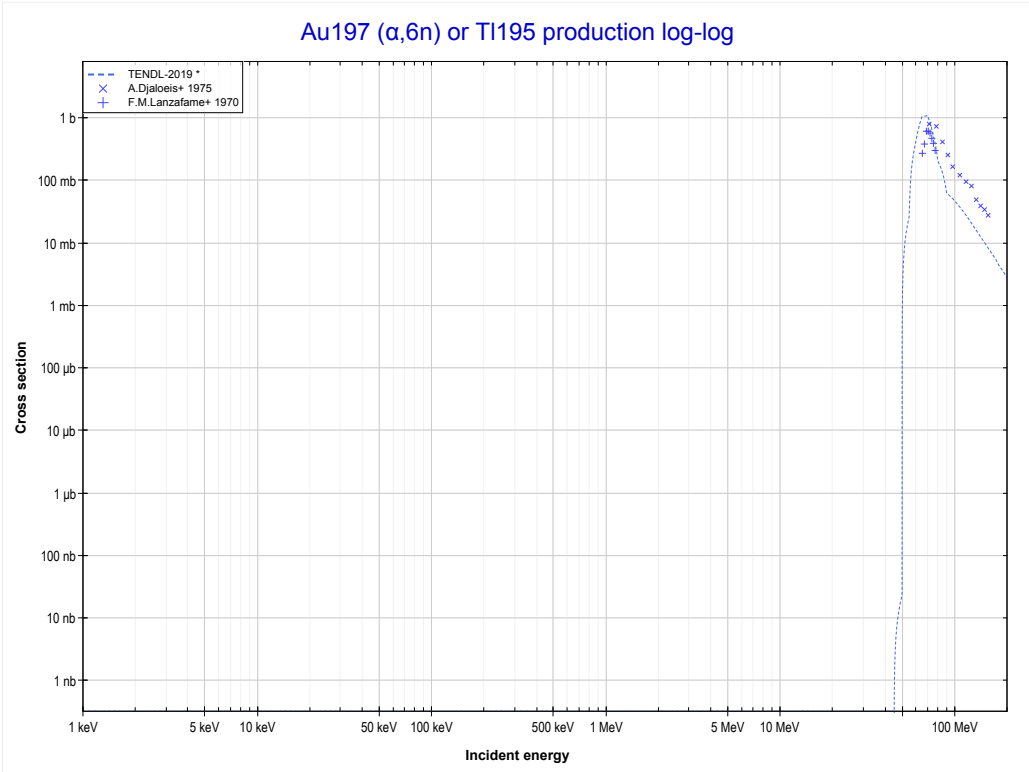
Reaction	Q-Value
Au197(α ,He3)Au198	-14065.20 keV
Au197(α ,p+d)Au198	-19558.68 keV
Au197(α ,n+2p)Au198	-21783.24 keV

<< 77-Ir-193	79-Au-197	82-Pb-206 >>
<< MT115 (α,p+d)	MT152 (α,5n) or MT5 (Tl196 production)	MT153 (α,6n) >>



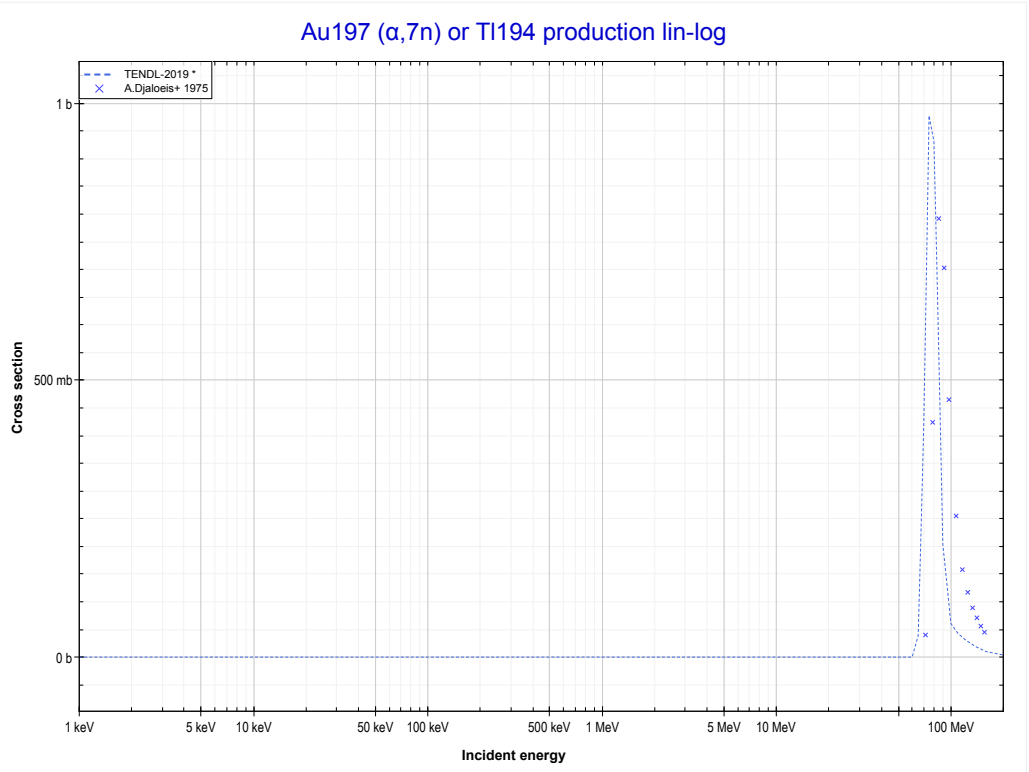
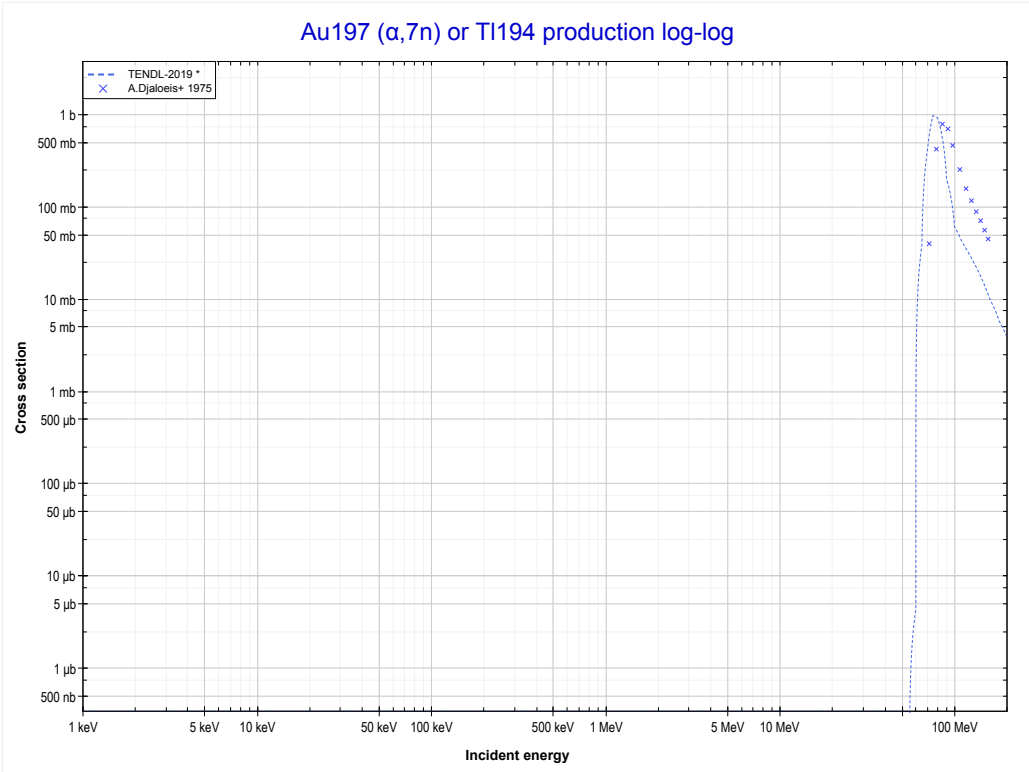
Reaction	Q-Value
Au197(α,5n)Tl196	-41574.37 keV

<< 75-Re-187	79-Au-197	82-Pb-206 >>
<< MT152 (α,5n)	MT153 (α,6n) or MT5 (Tl195 production)	MT160 (α,7n) >>



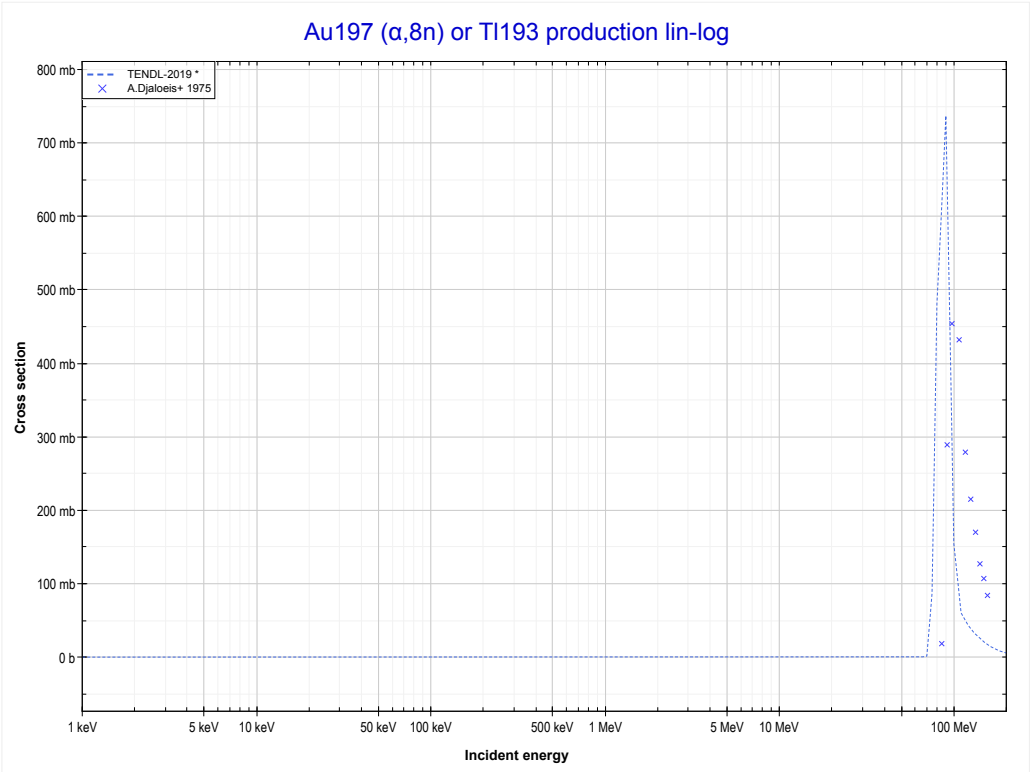
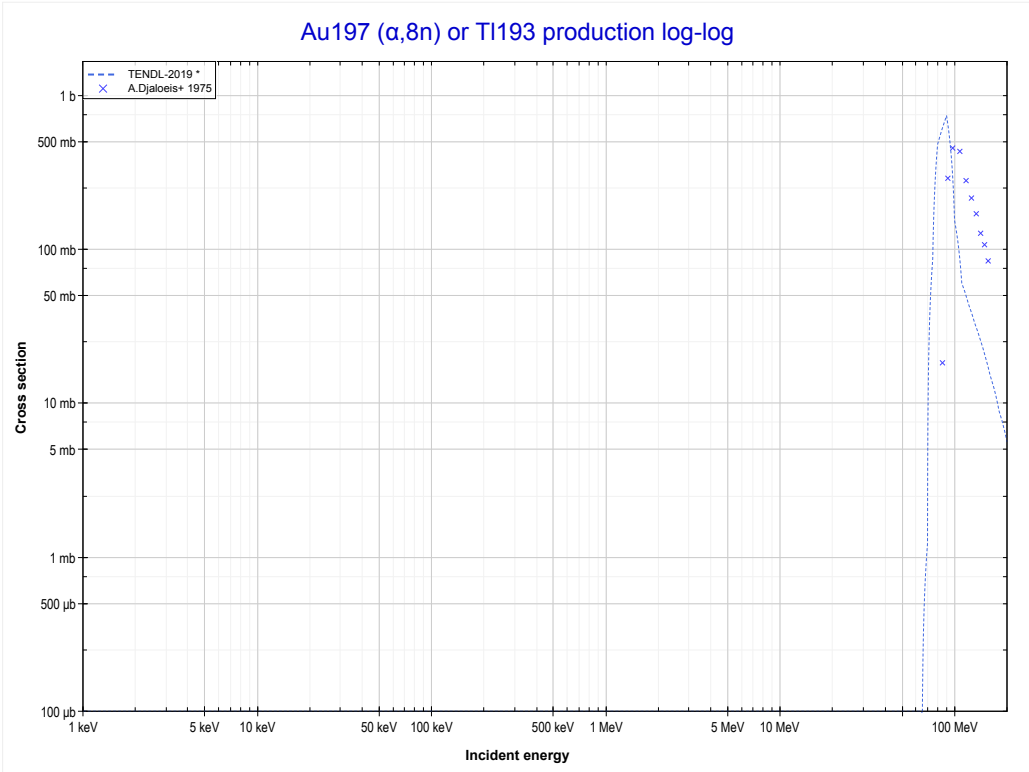
Reaction	Q-Value
Au197(α,6n)Tl195	-48987.69 keV

<< 75-Re-187	79-Au-197	82-Pb-206 >>
<< MT153 ($\alpha,6n$)	MT160 ($\alpha,7n$) or MT5 (Tl194 production)	MT161 ($\alpha,8n$) >>



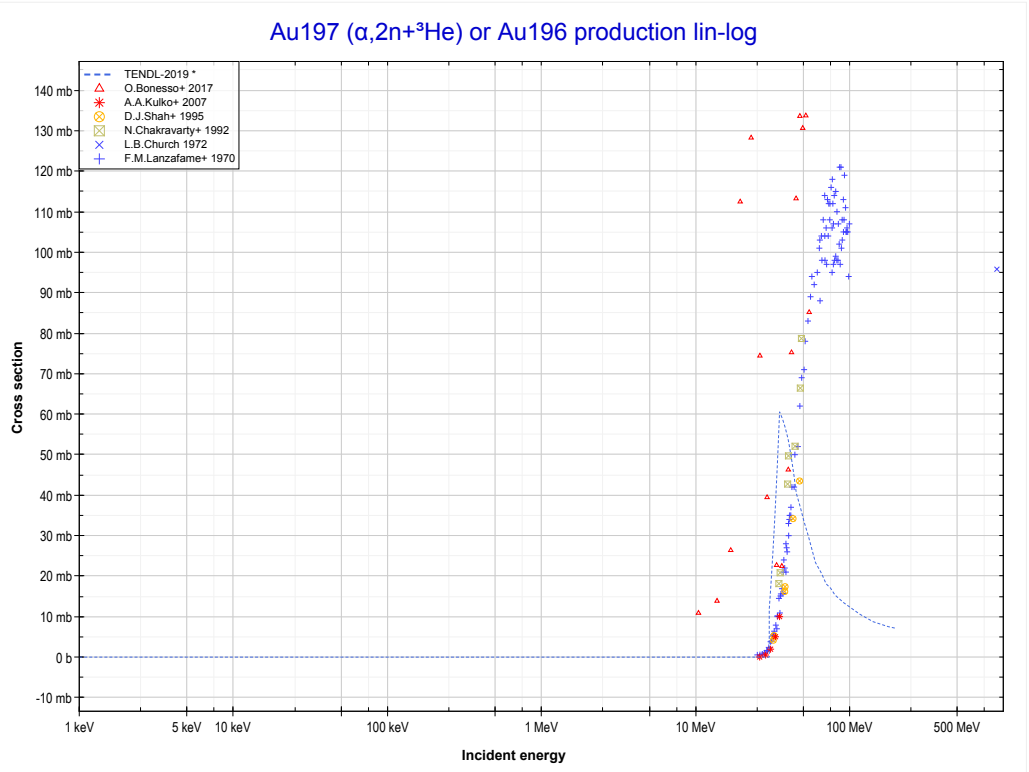
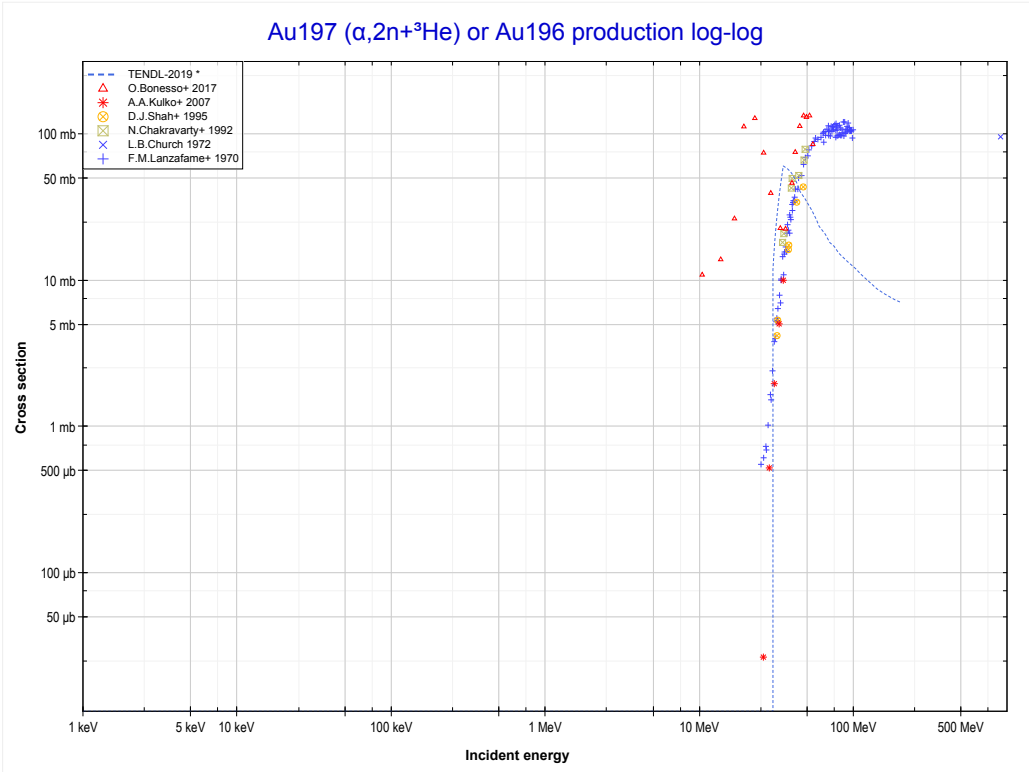
Reaction	Q-Value
Au197($\alpha,7n$)Tl194	-58277.00 keV

<< 73-Ta-181	79-Au-197	82-Pb-206 >>
<< MT160 ($\alpha,7n$)	MT161 ($\alpha,8n$) or MT5 (Tl193 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



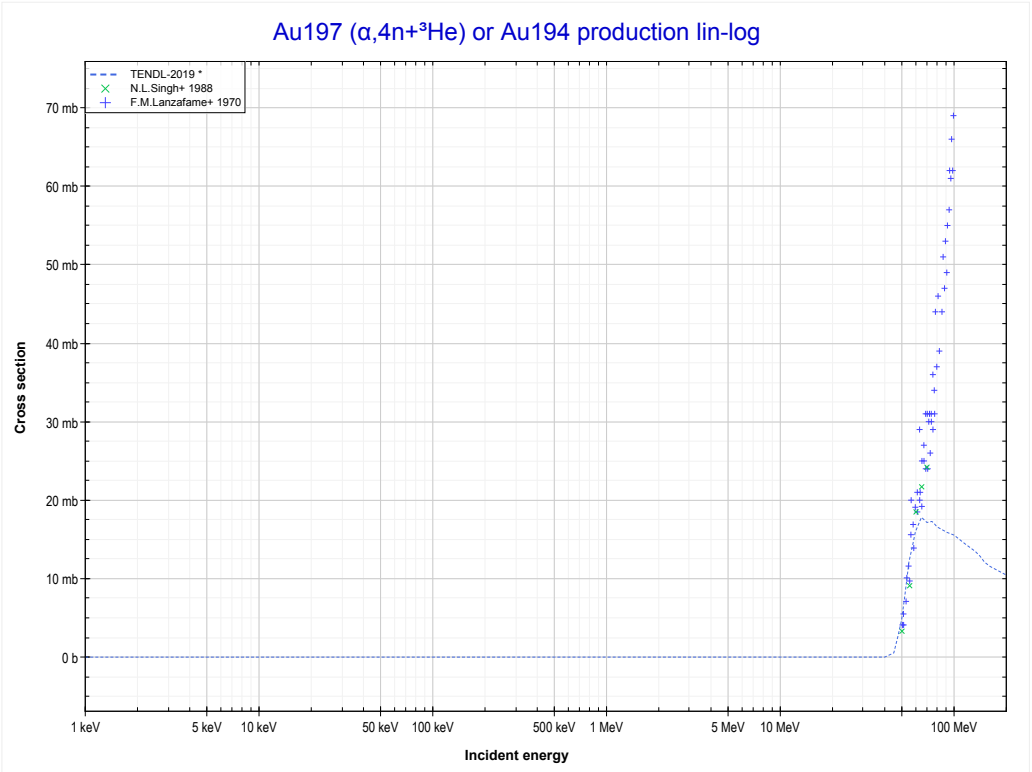
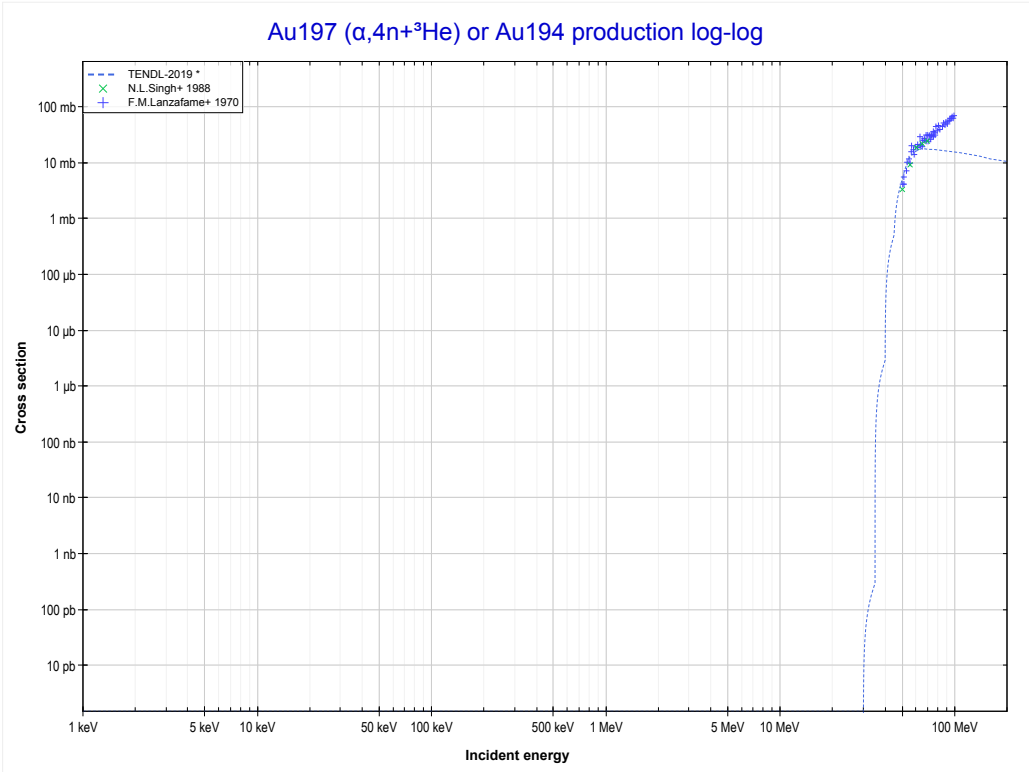
Reaction	Q-Value
Au197($\alpha,8n$)Tl193	-65808.32 keV

<< 75-Re-185	79-Au-197	92-U-238 >>
<< MT161 ($\alpha,8n$)	MT176 ($\alpha,2n+^3\text{He}$) or MT5 (Au196 production)	MT178 ($\alpha,4n+^3\text{He}$) >>



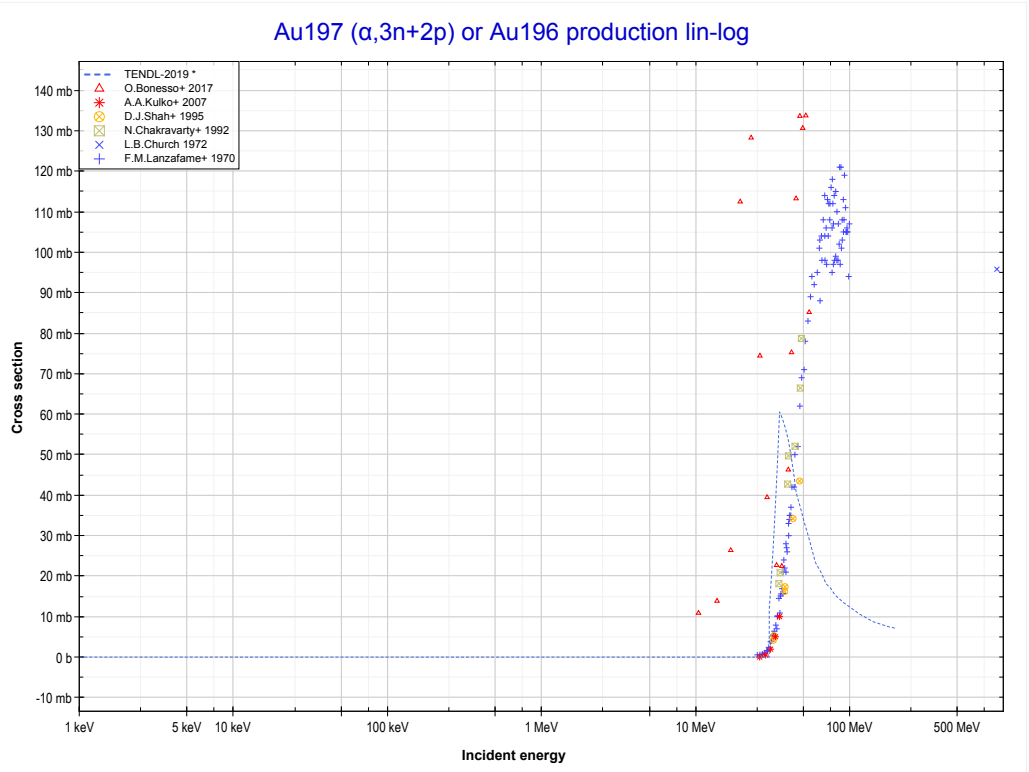
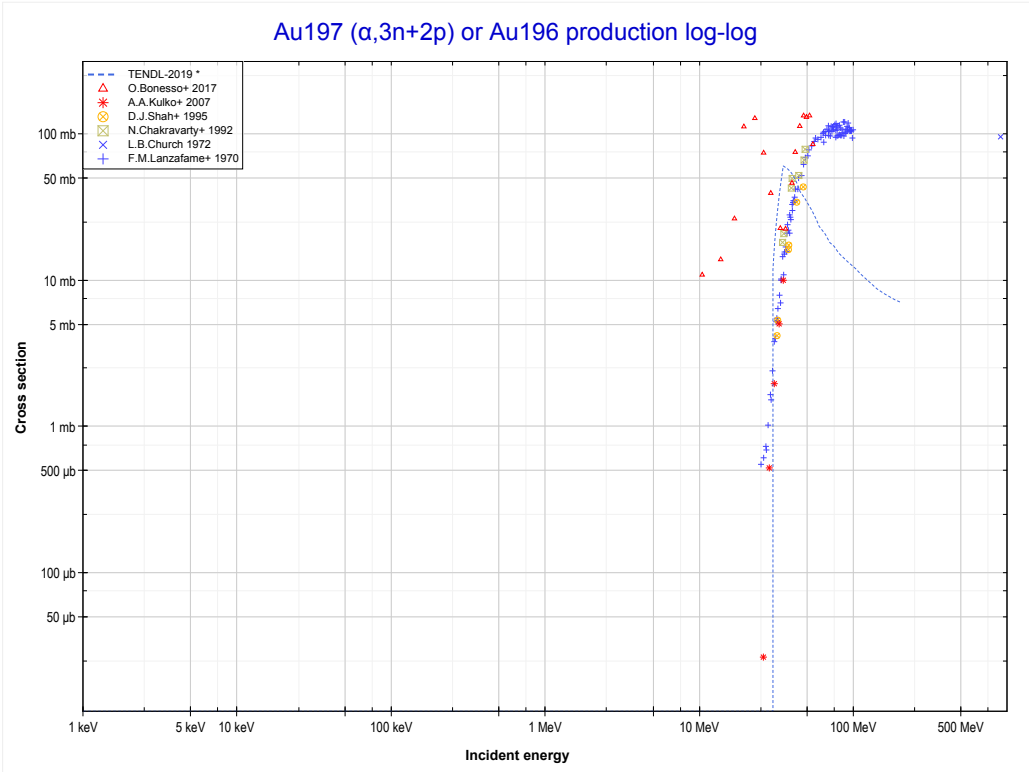
Reaction	Q-Value
Au197($\alpha,n+\alpha$)Au196	-8072.32 keV
Au197($\alpha,d+t$)Au196	-25661.62 keV
Au197($\alpha,n+p+t$)Au196	-27886.18 keV
Au197($\alpha,2n+\text{He3}$)Au196	-28649.94 keV
Au197($\alpha,n+2d$)Au196	-31918.84 keV
Au197($\alpha,2n+p+d$)Au196	-34143.41 keV
Au197($\alpha,3n+2p$)Au196	-36367.98 keV

<< 65-Tb-159	79-Au-197	
<< MT176 ($\alpha,2n+^3\text{He}$)	MT178 ($\alpha,4n+^3\text{He}$) or MT5 (Au194 production)	MT179 ($\alpha,3n+2p$) >>



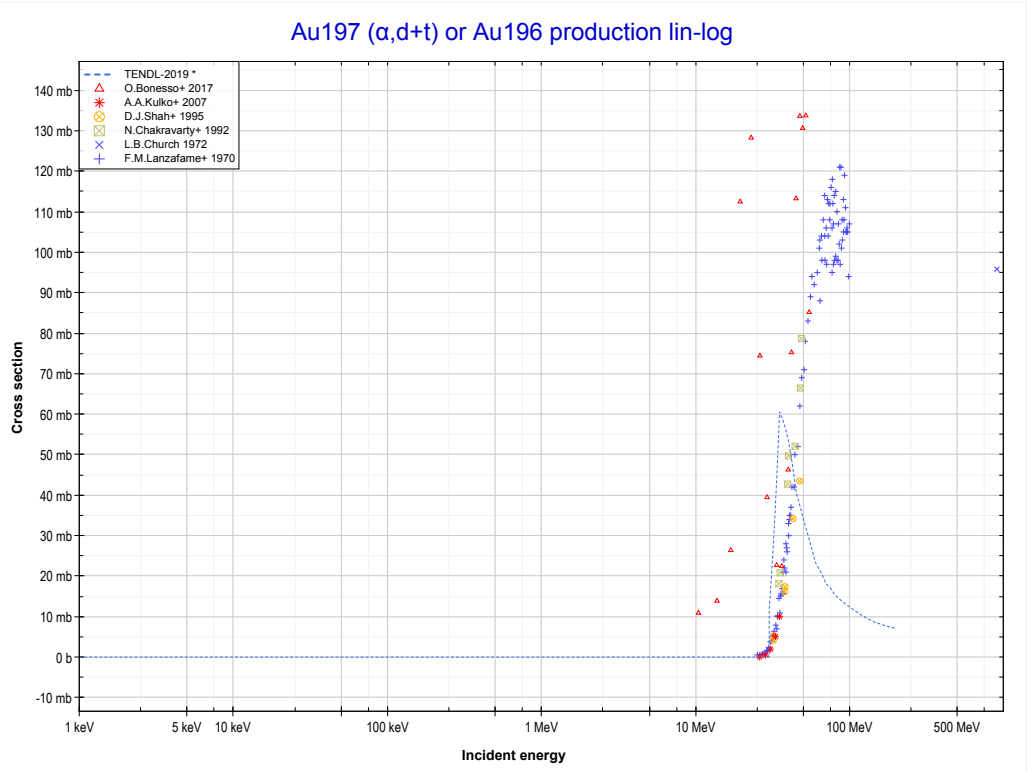
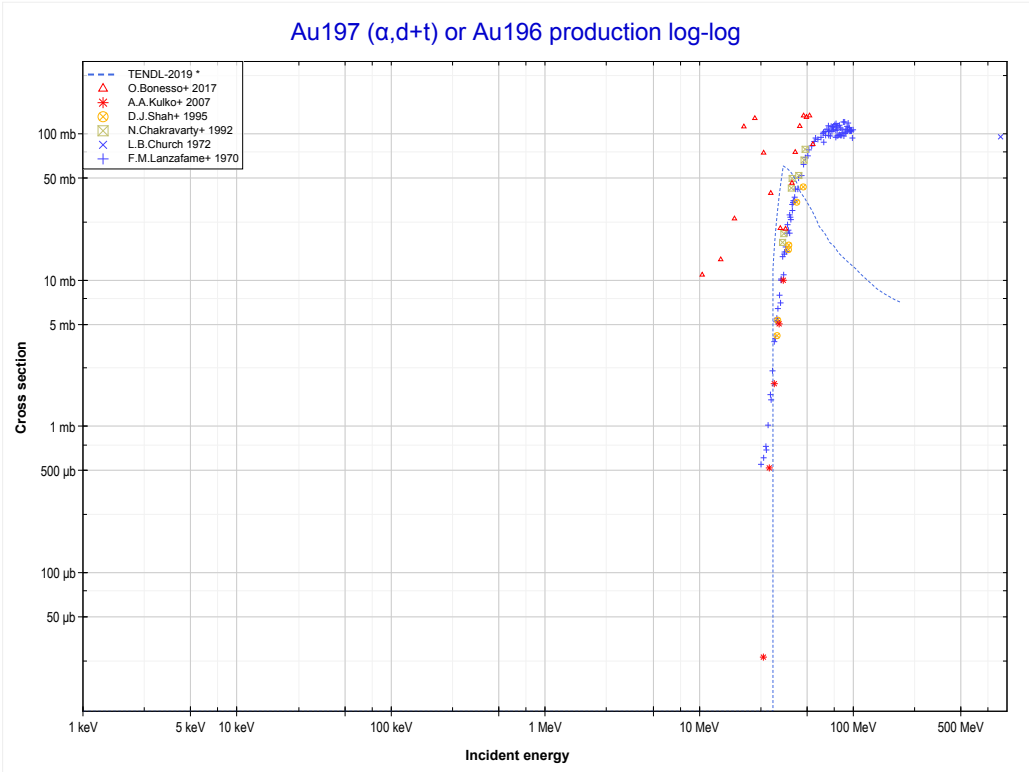
Reaction	Q-Value
Au197($\alpha,3n+\alpha$)Au194	-23141.75 keV
Au197($\alpha,n+2t$)Au194	-34473.82 keV
Au197($\alpha,2n+d+t$)Au194	-40731.05 keV
Au197($\alpha,3n+p+t$)Au194	-42955.62 keV
Au197($\alpha,4n+\text{He3}$)Au194	-43719.37 keV
Au197($\alpha,3n+2d$)Au194	-46988.28 keV
Au197($\alpha,4n+p+d$)Au194	-49212.85 keV
Au197($\alpha,5n+2p$)Au194	-51437.41 keV

<< 75-Re-185	79-Au-197	92-U-238 >>
<< MT178 ($\alpha,4n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (Au196 production)	MT182 ($\alpha,d+t$) >>



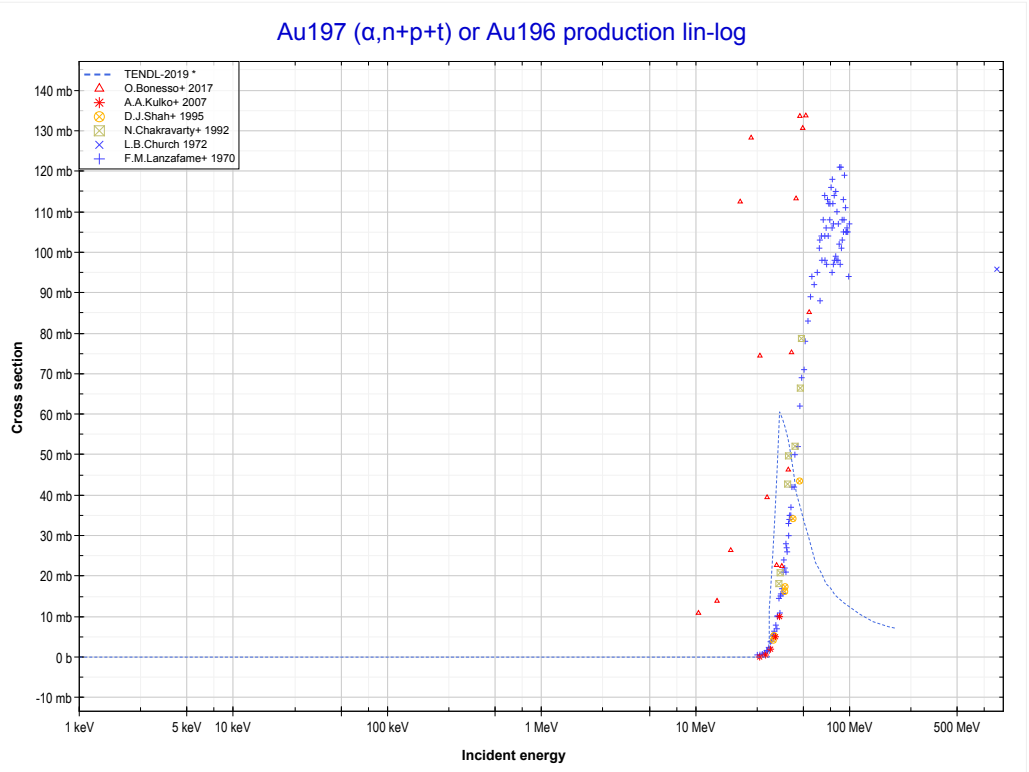
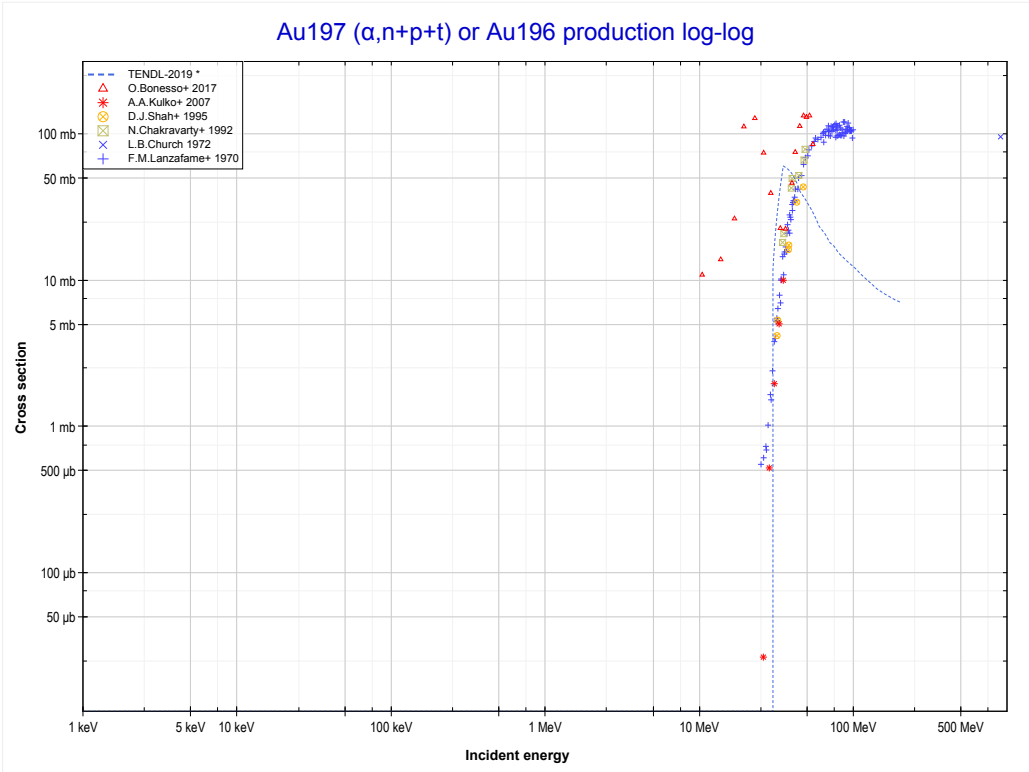
Reaction	Q-Value
Au197($\alpha,n+\alpha$)Au196	-8072.32 keV
Au197($\alpha,d+t$)Au196	-25661.62 keV
Au197($\alpha,n+p+t$)Au196	-27886.18 keV
Au197($\alpha,2n+\text{He3}$)Au196	-28649.94 keV
Au197($\alpha,n+2d$)Au196	-31918.84 keV
Au197($\alpha,2n+p+d$)Au196	-34143.41 keV
Au197($\alpha,3n+2p$)Au196	-36367.98 keV

<< 75-Re-185	79-Au-197	92-U-238 >>
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (Au196 production)	MT184 ($\alpha,n+p+t$) >>



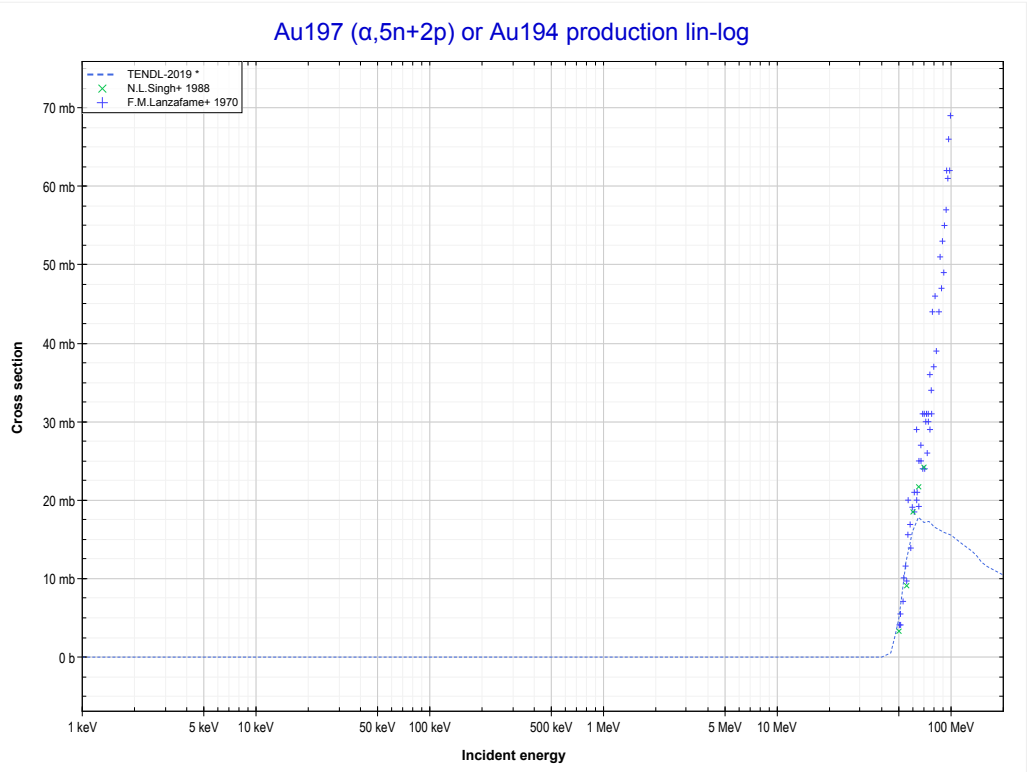
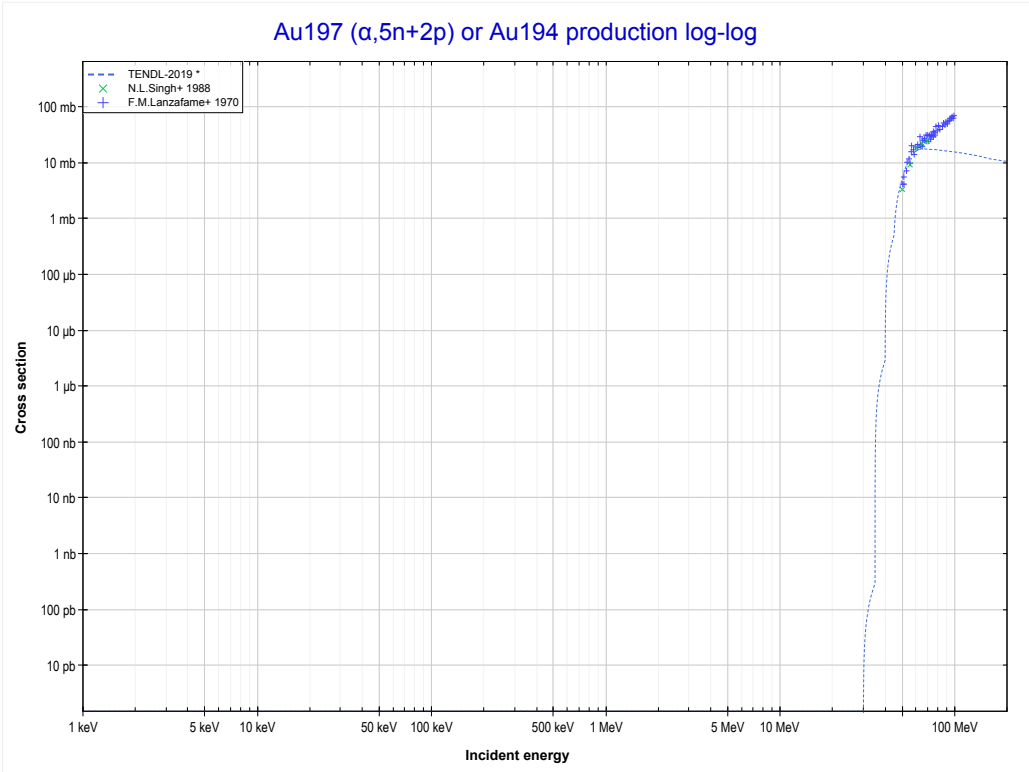
Reaction	Q-Value
Au197($\alpha,n+\alpha$)Au196	-8072.32 keV
Au197($\alpha,d+t$)Au196	-25661.62 keV
Au197($\alpha,n+p+t$)Au196	-27886.18 keV
Au197($\alpha,2n+He3$)Au196	-28649.94 keV
Au197($\alpha,n+2d$)Au196	-31918.84 keV
Au197($\alpha,2n+p+d$)Au196	-34143.41 keV
Au197($\alpha,3n+2p$)Au196	-36367.98 keV

<< 75-Re-185	79-Au-197	92-U-238 >>
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (Au196 production)	MT200 (α,5n+2p) >>



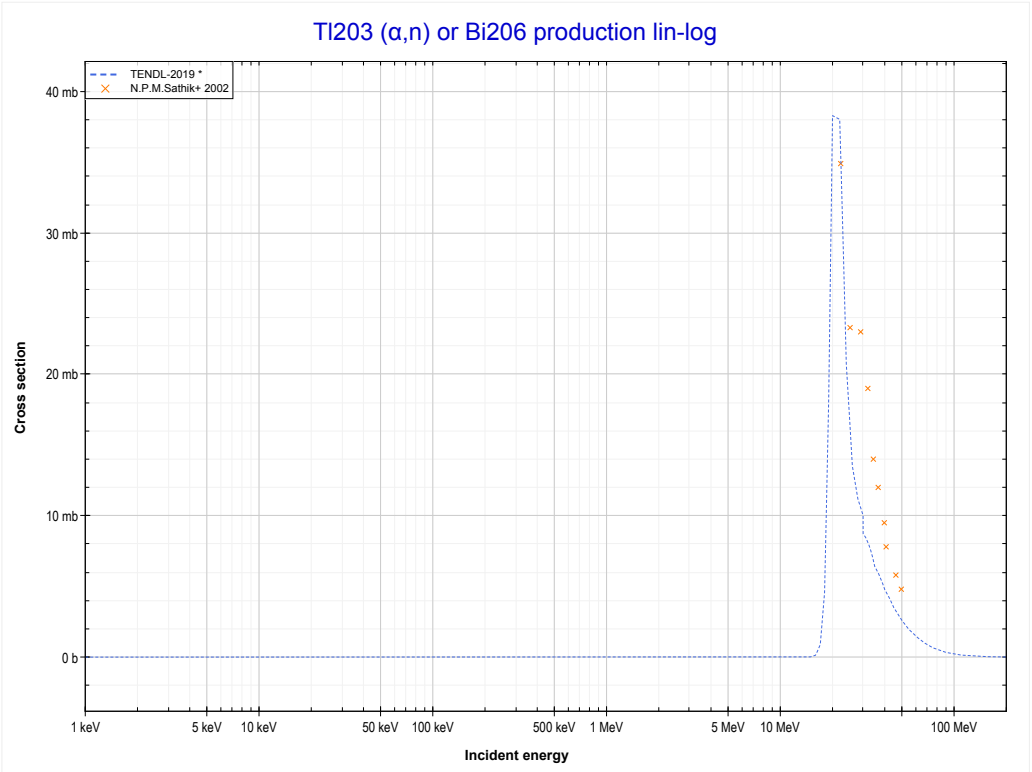
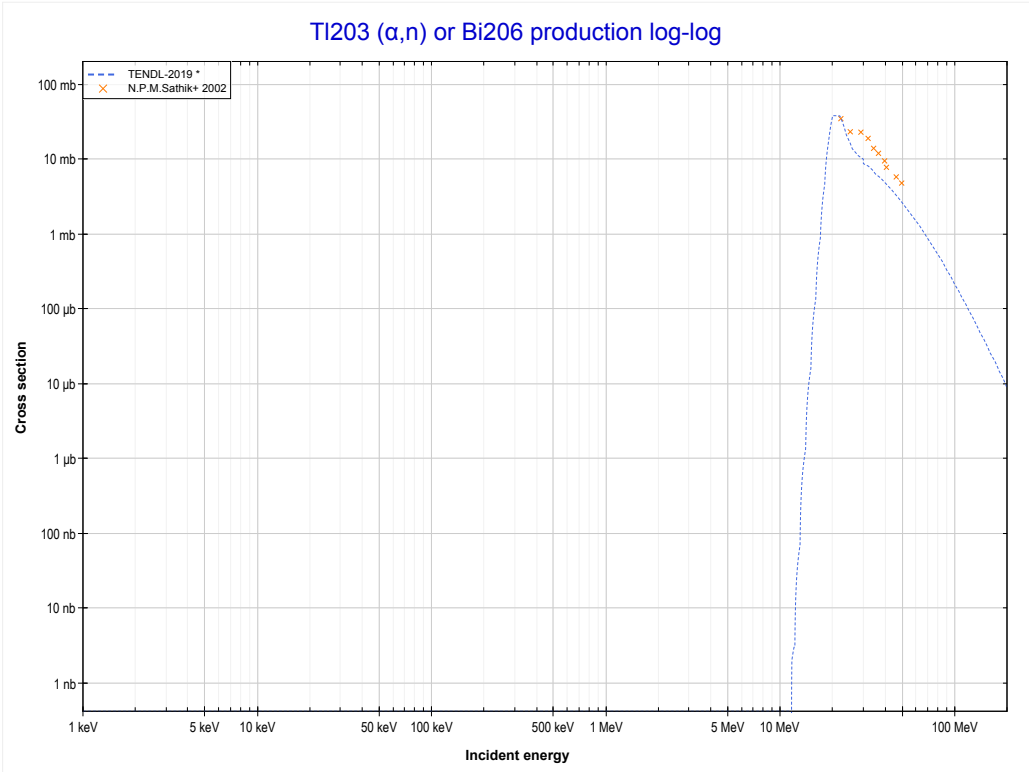
Reaction	Q-Value
Au197(α,n+α)Au196	-8072.32 keV
Au197(α,d+t)Au196	-25661.62 keV
Au197(α,n+p+t)Au196	-27886.18 keV
Au197(α,2n+He3)Au196	-28649.94 keV
Au197(α,n+2d)Au196	-31918.84 keV
Au197(α,2n+p+d)Au196	-34143.41 keV
Au197(α,3n+2p)Au196	-36367.98 keV

<< 65-Tb-159	79-Au-197	
<< MT184 (α,n+p+t)	MT200 (α,5n+2p) or MT5 (Au194 production)	81-Tl-203 MT4 (α,n) >>



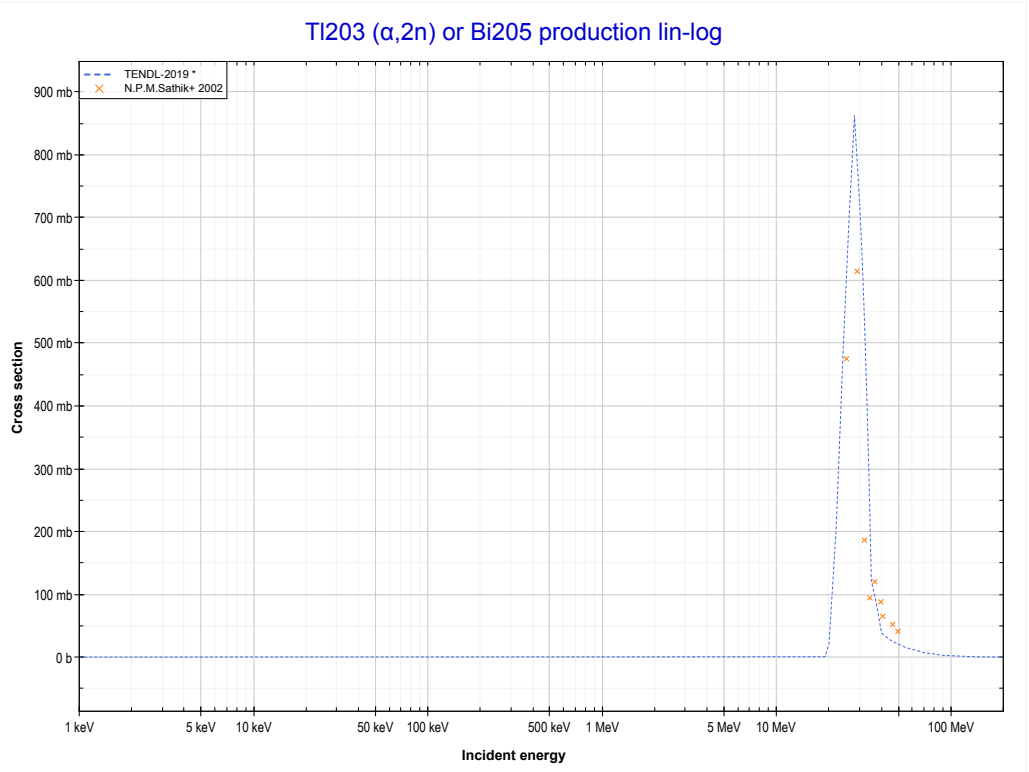
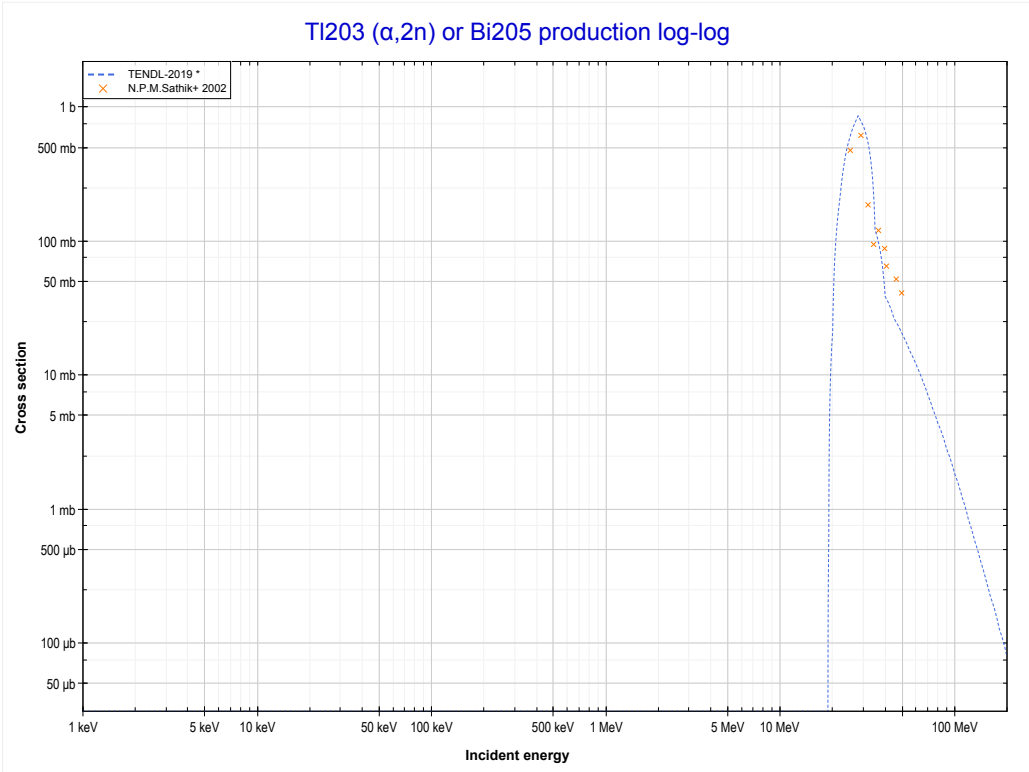
Reaction	Q-Value
Au197(α,3n+α)Au194	-23141.75 keV
Au197(α,n+2t)Au194	-34473.82 keV
Au197(α,2n+d+t)Au194	-40731.05 keV
Au197(α,3n+p+t)Au194	-42955.62 keV
Au197(α,4n+He3)Au194	-43719.37 keV
Au197(α,3n+2d)Au194	-46988.28 keV
Au197(α,4n+p+d)Au194	-49212.85 keV
Au197(α,5n+2p)Au194	-51437.41 keV

<< 79-Au-197	81-Tl-203	82-Pb-208 >>
<< 79-Au-197 MT200 ($\alpha,5n+2p$)	MT4 (α,n) or MT5 (Bi206 production)	MT16 ($\alpha,2n$) >>



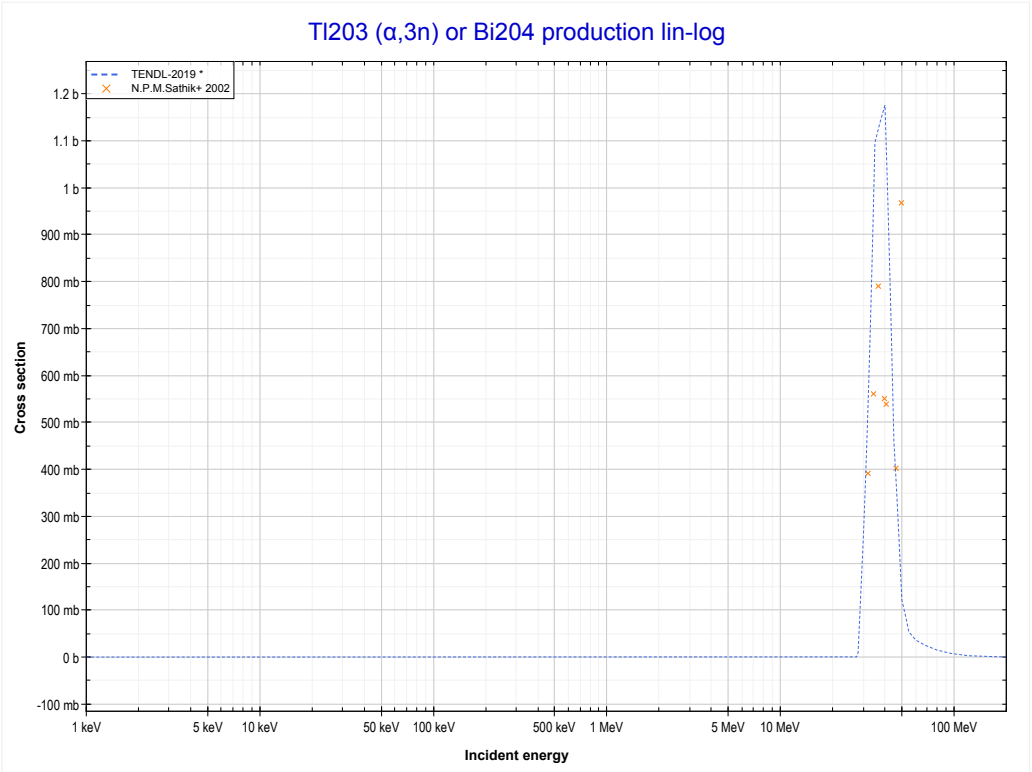
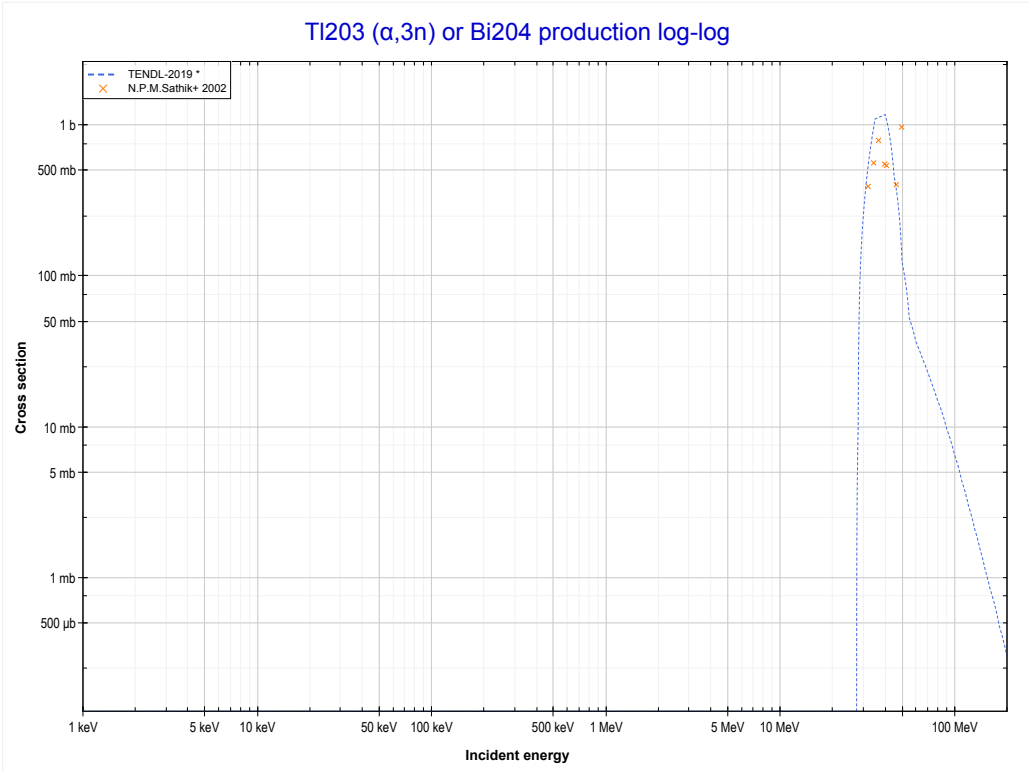
Reaction	Q-Value
TI203(α,n)Bi206	-11379.80 keV

<< 79-Au-197	81-Tl-203	82-Pb-206 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Bi205 production)	MT17 (α,3n) >>



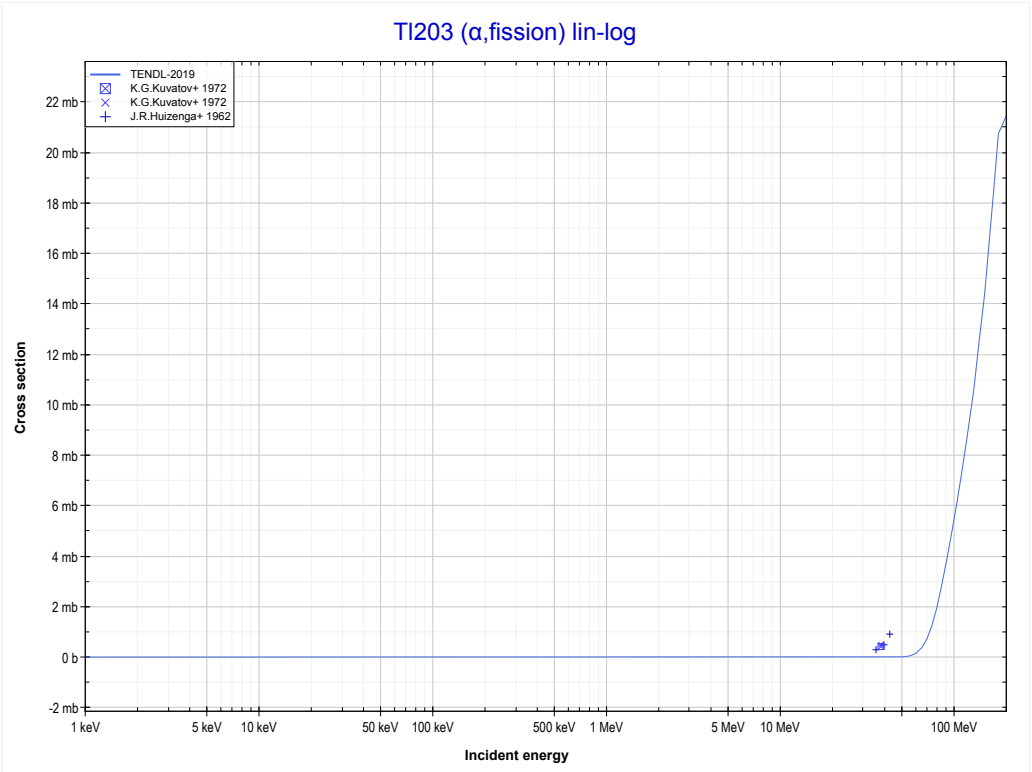
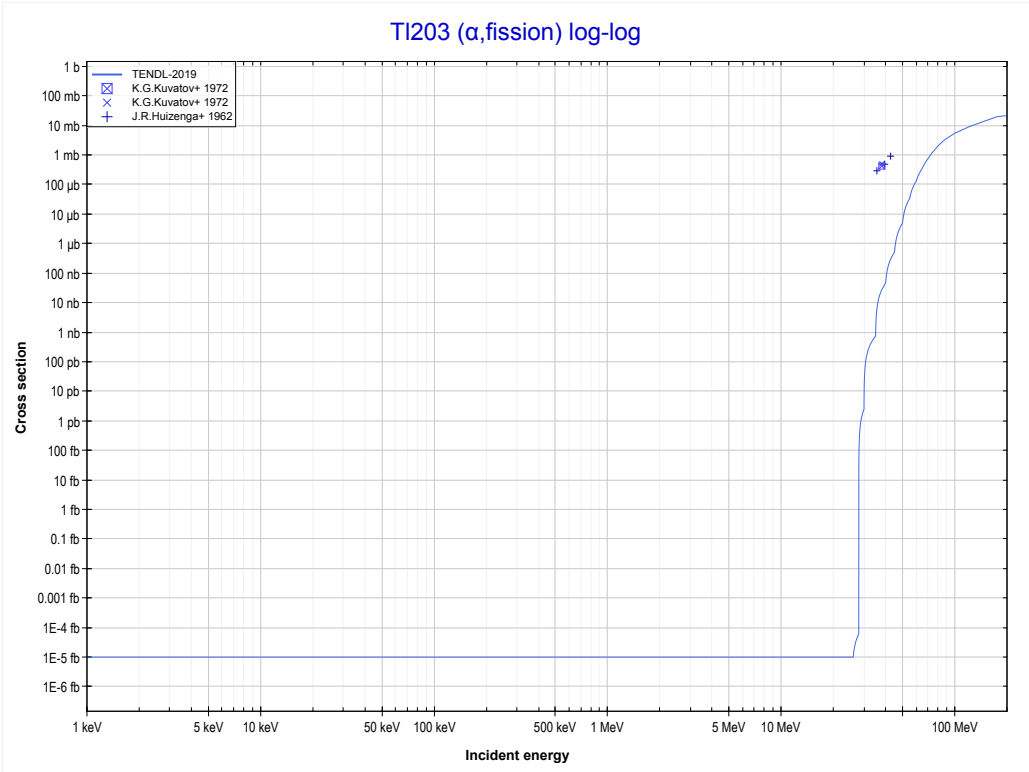
Reaction	Q-Value
TI203(α,2n)Bi205	-18414.12 keV

<< 79-Au-197	81-Tl-203	81-Tl-205 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Bi204 production)	MT18 (α ,fission) >>

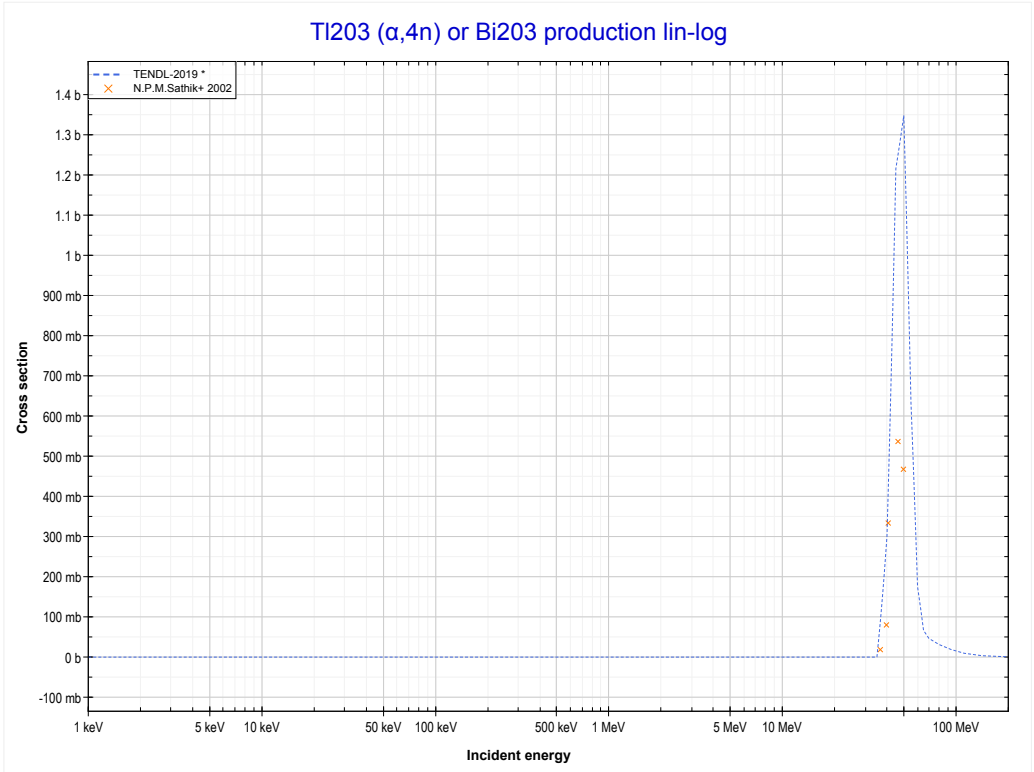
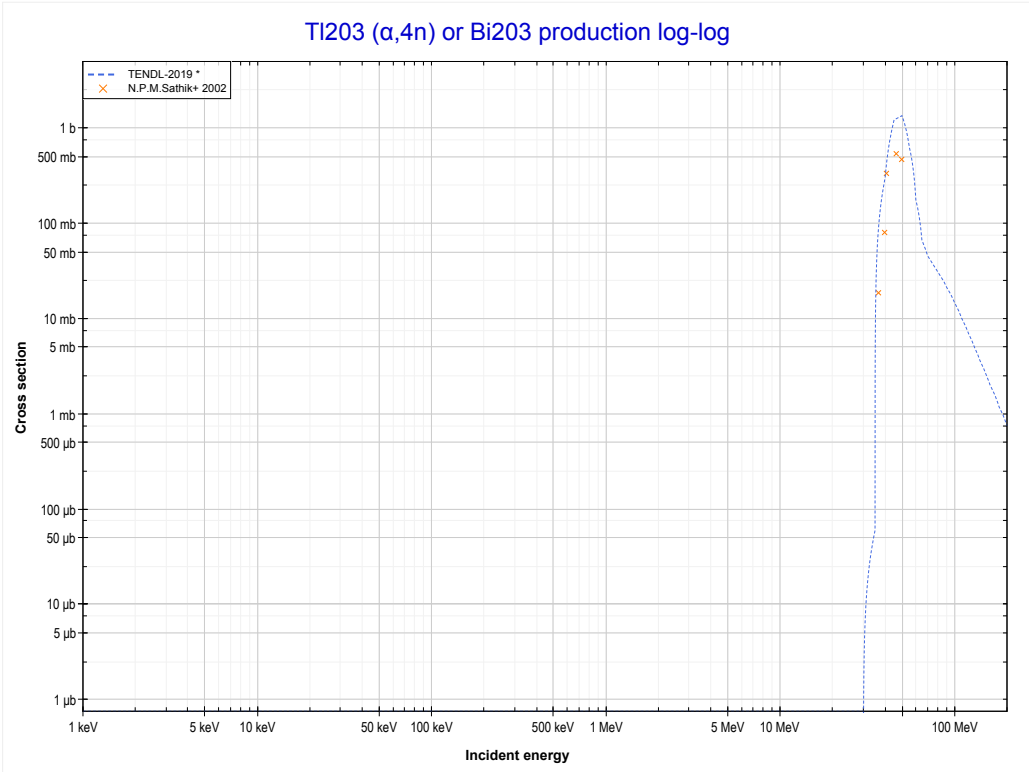


Reaction	Q-Value
TI203($\alpha,3n$)Bi204	-26904.44 keV

<< 79-Au-197	81-Tl-203	81-Tl-205 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT37 ($\alpha,4n$) >>

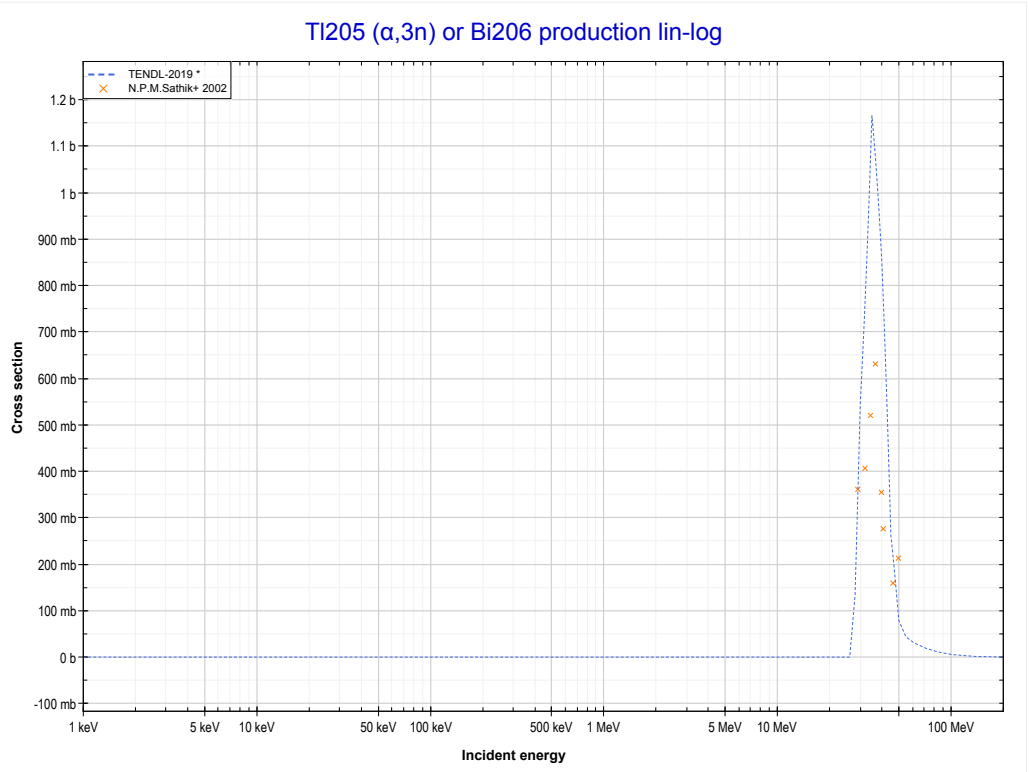
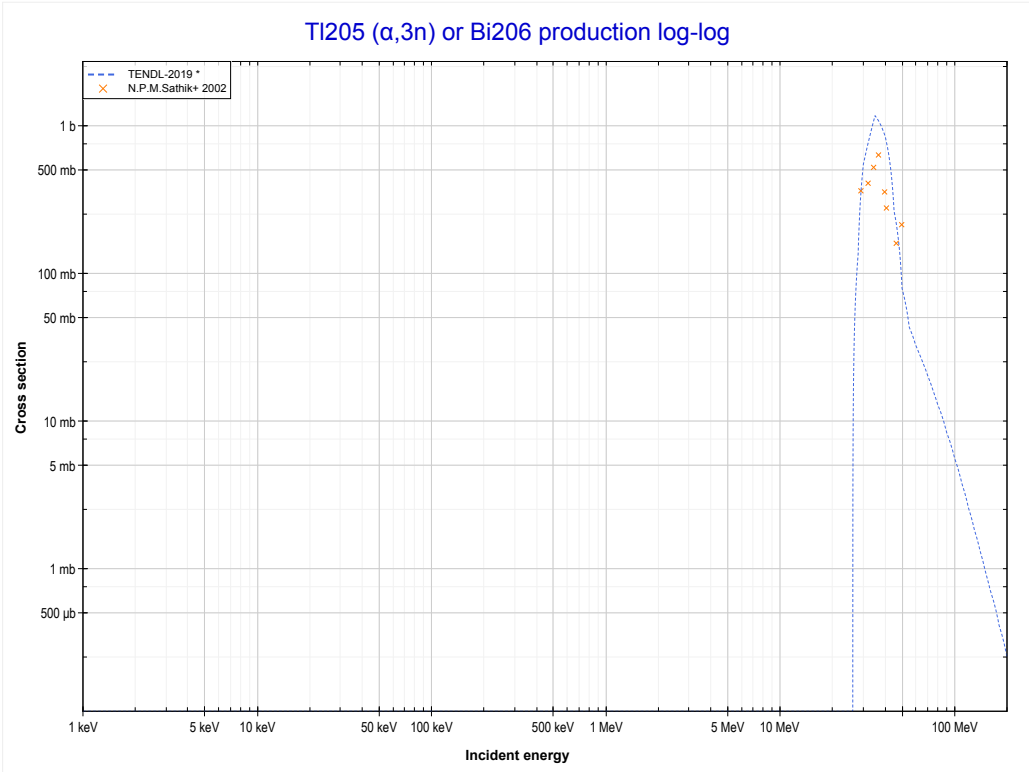


<< 79-Au-197	81-Tl-203	81-Tl-205 >>
<< MT18 (α,fission)	MT37 (α,4n) or MT5 (Bi203 production)	81-Tl-205 MT17 (α,3n) >>



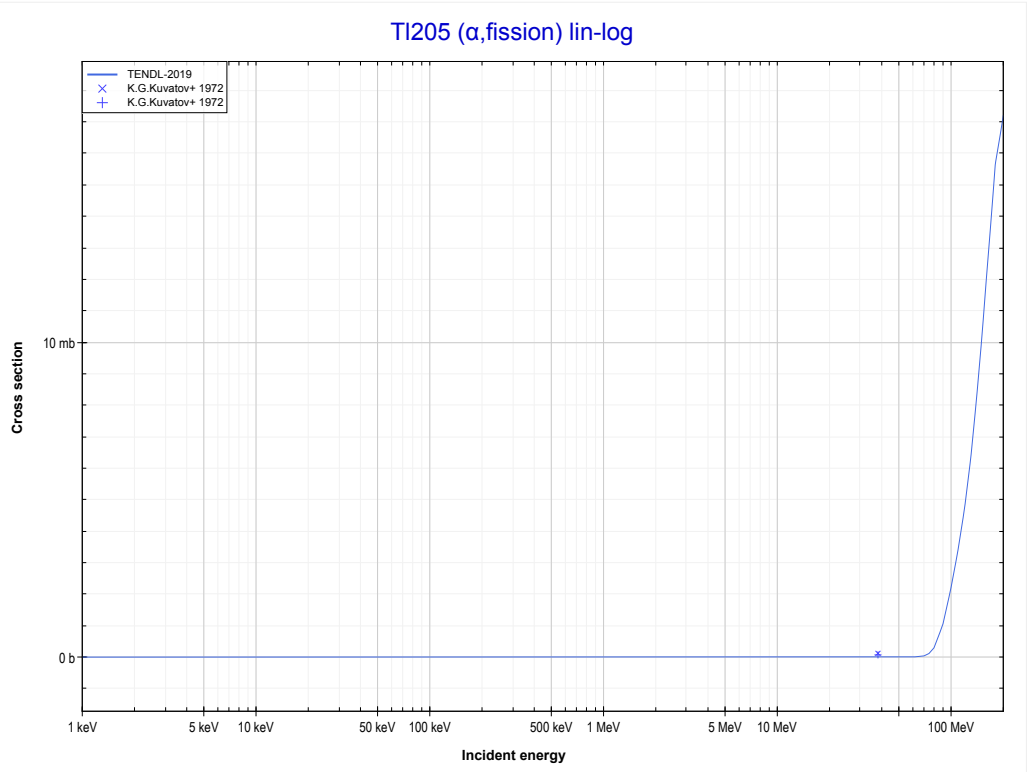
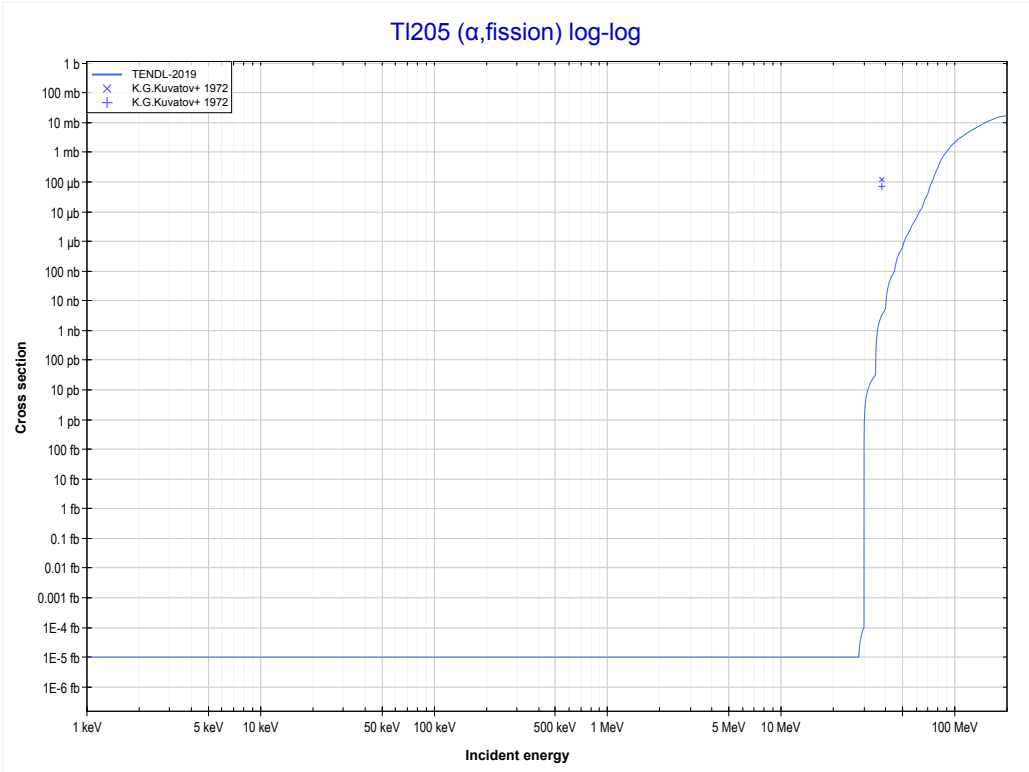
Reaction	Q-Value
TI203(α,4n)Bi203	-34096.75 keV

<< 81-Tl-203	81-Tl-205	82-Pb-206 >>
<< 81-Tl-203 MT37 (α,4n)	MT17 (α,3n) or MT5 (Bi206 production)	MT18 (α,fission) >>

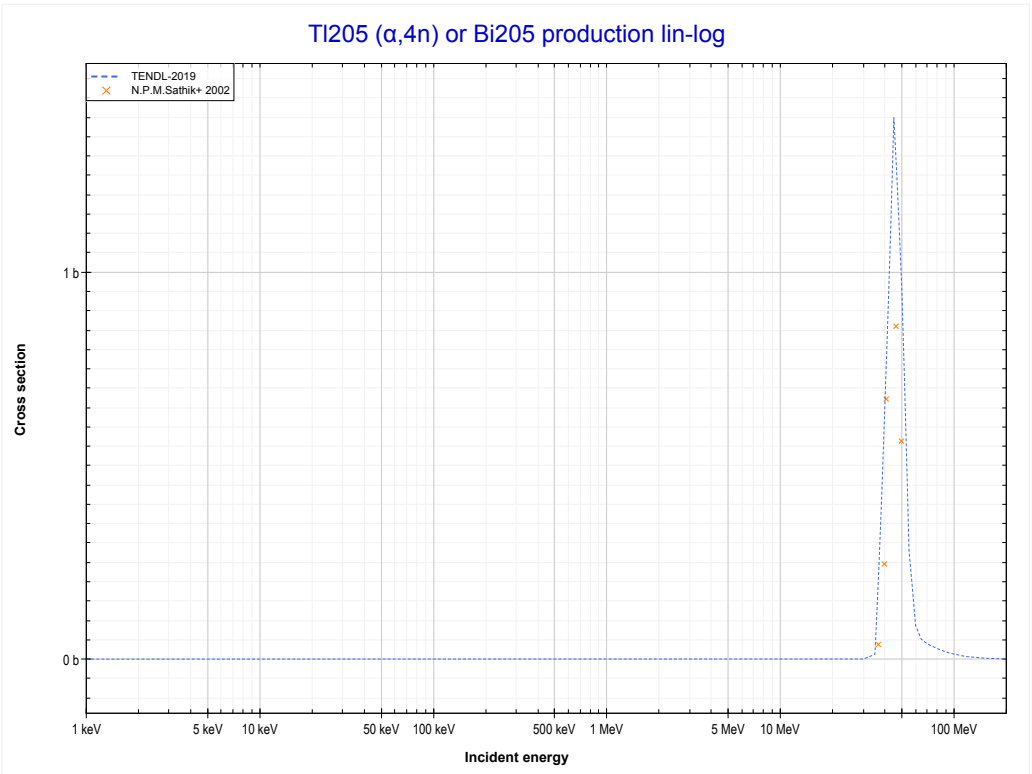
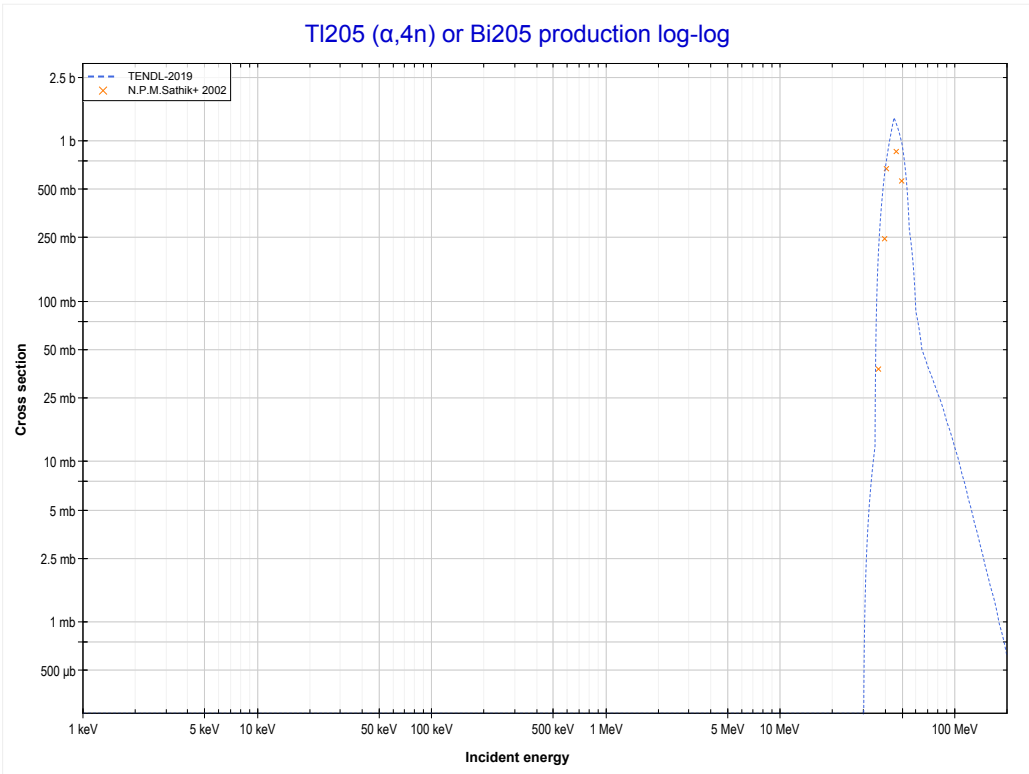


Reaction	Q-Value
TI205(α,3n)Bi206	-25581.94 keV

<< 81-Tl-203	81-Tl-205	82-Pb-204 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT37 ($\alpha,4n$) >>

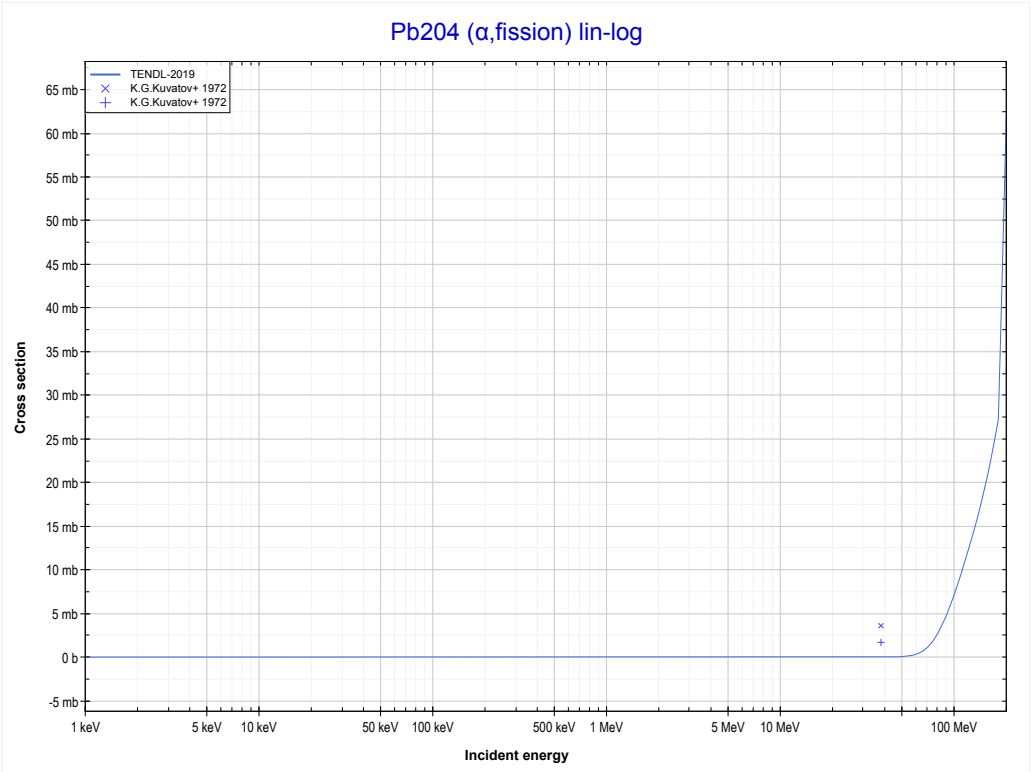
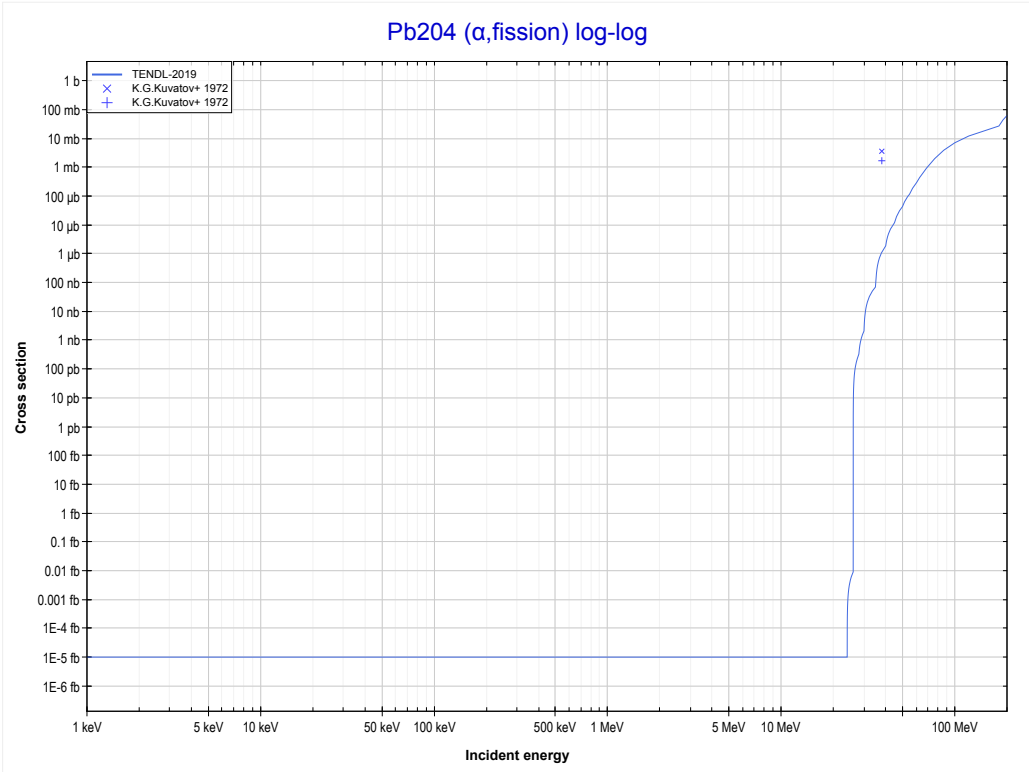


<< 81-Tl-203	81-Tl-205	82-Pb-204 >>
<< MT18 (α,fission)	MT37 (α,4n) or MT5 (Bi205 production)	82-Pb-204 MT18 (α,fission) >>

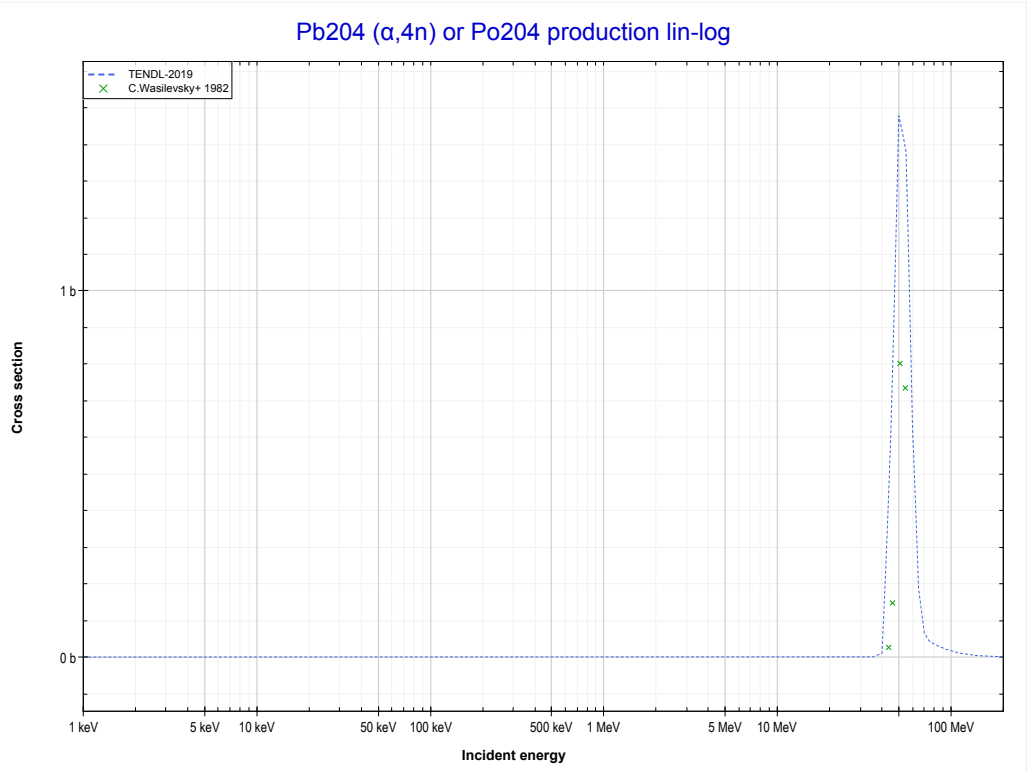
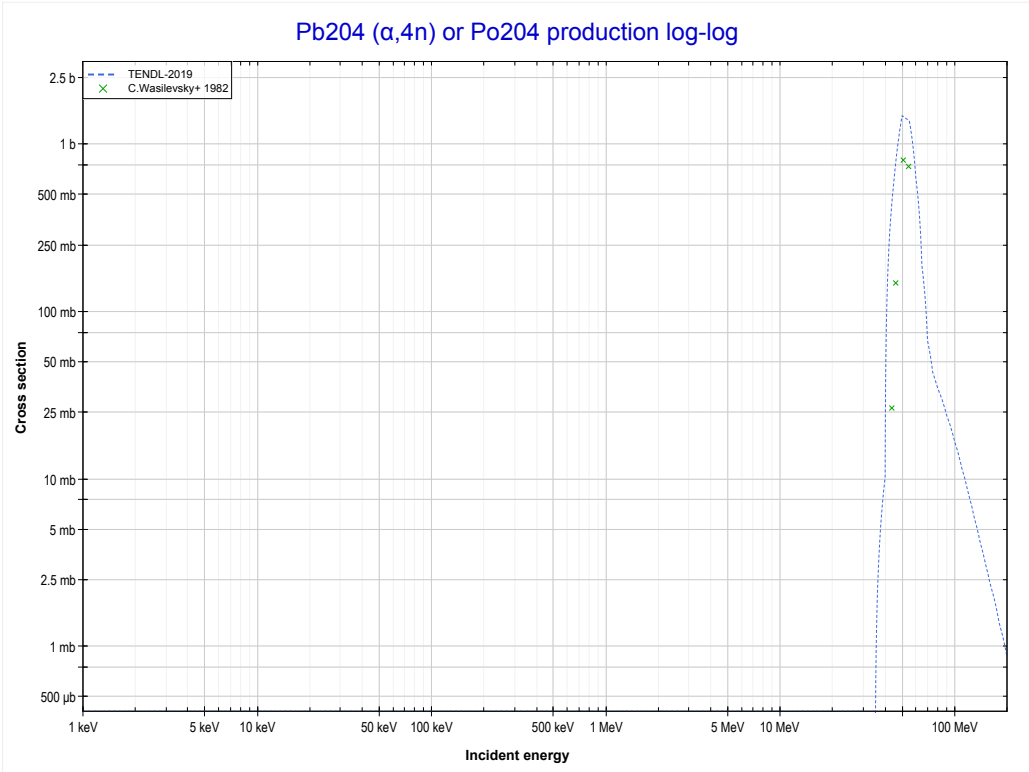


Reaction	Q-Value
TI205(α,4n)Bi205	-32616.25 keV

<< 81-Tl-205	82-Pb-204	82-Pb-206 >>
<< 81-Tl-205 MT37 (α ,4n)	MT18 (α ,fission)	MT37 (α ,4n) >>

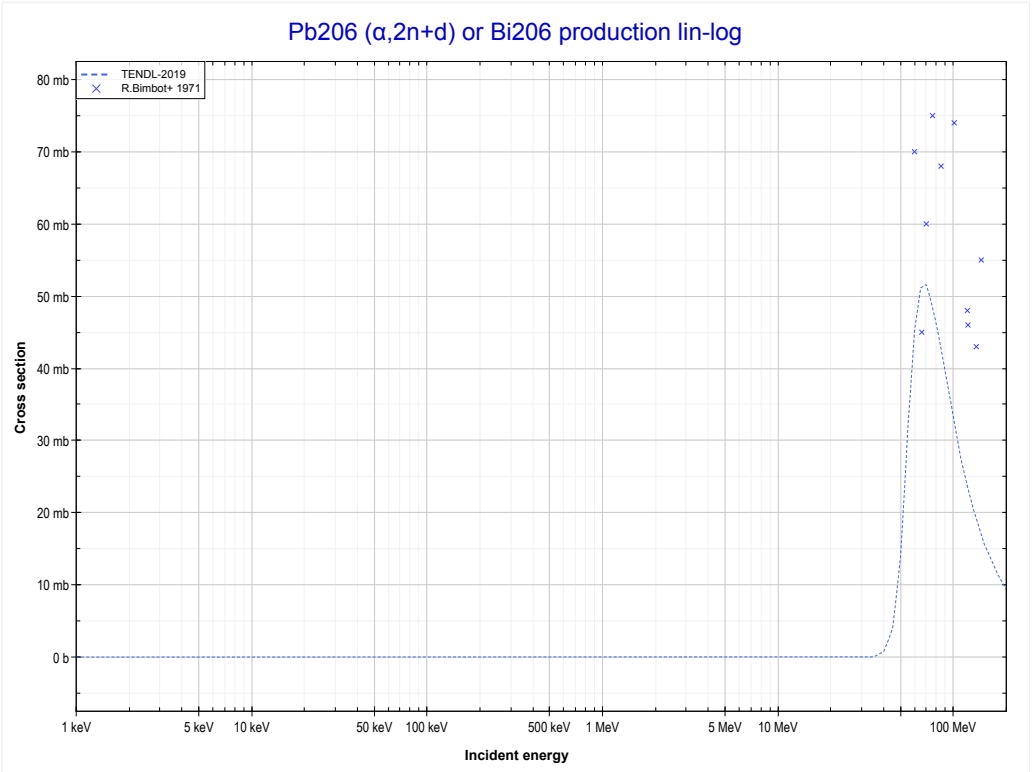
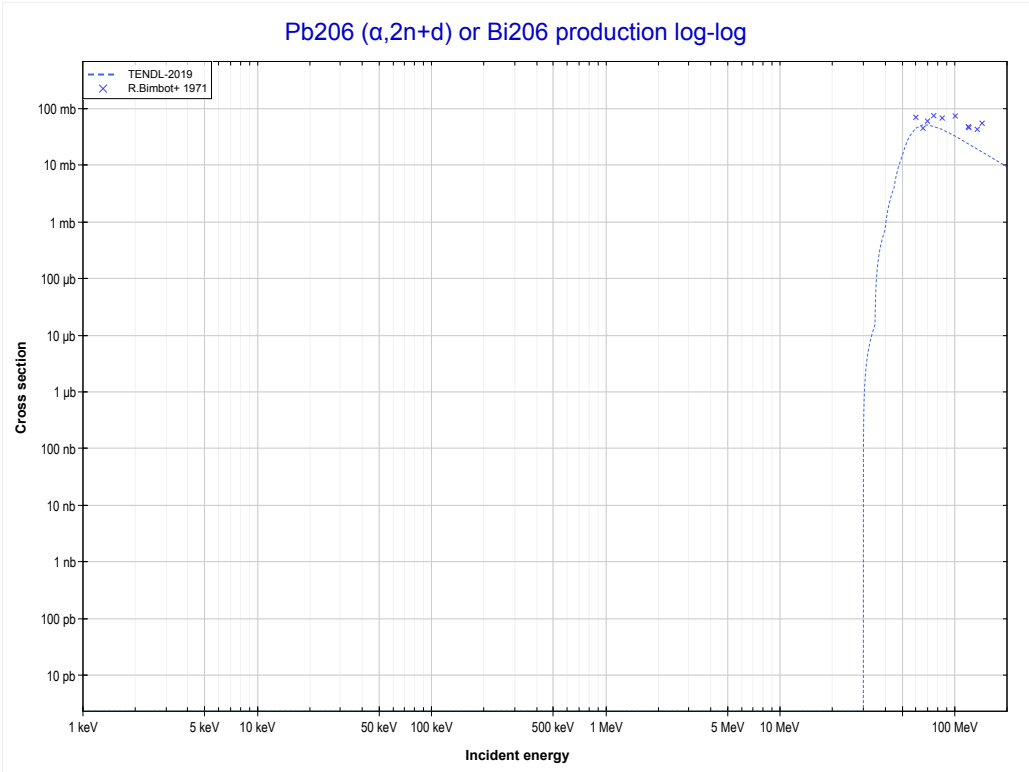


<< 81-Tl-205	82-Pb-204	82-Pb-206 >>
<< MT18 (α,fission)	MT37 (α,4n) or MT5 (Po204 production)	82-Pb-206 MT11 (α,2n+d) >>



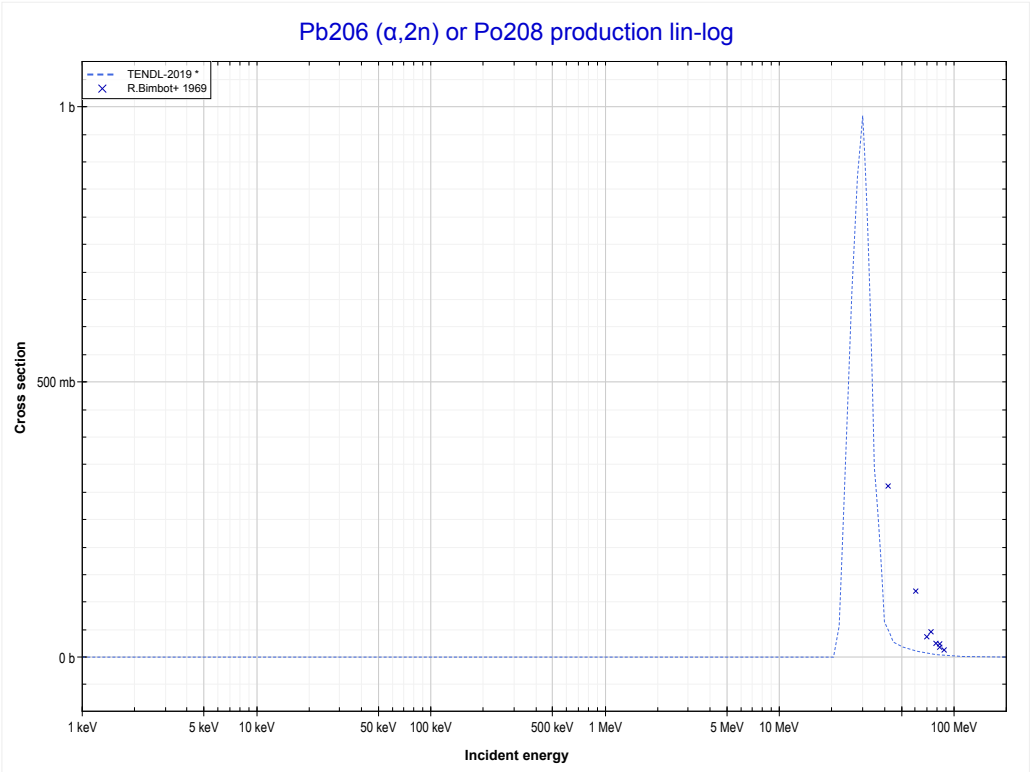
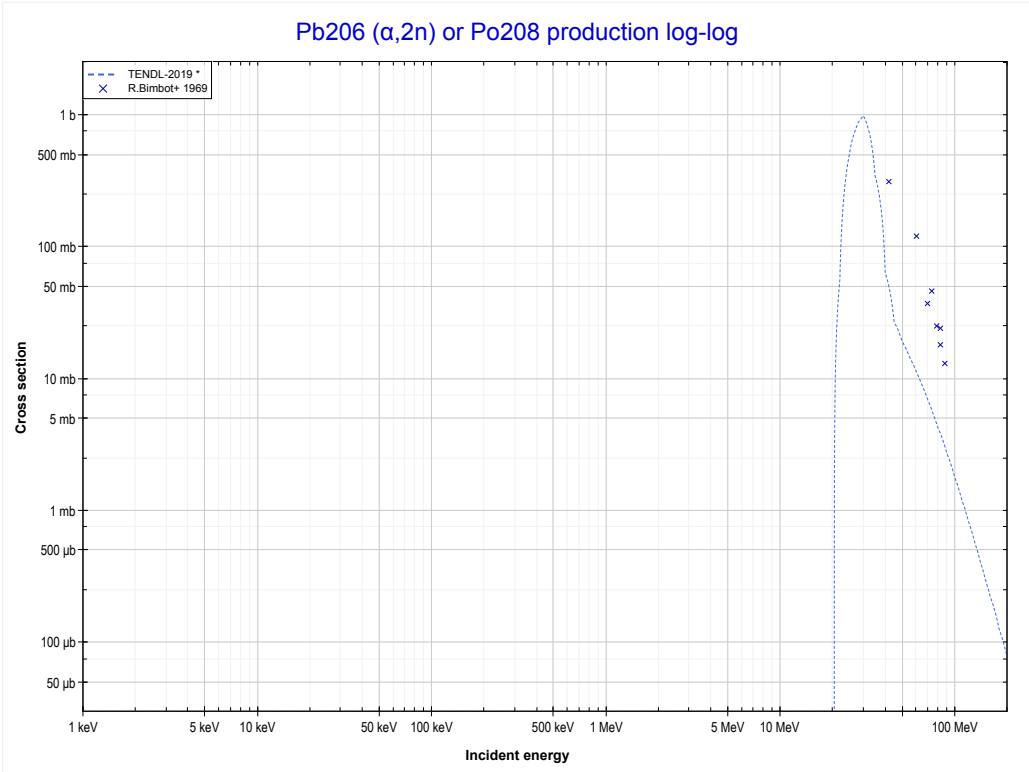
Reaction	Q-Value
Pb204(α,4n)Po204	-36629.25 keV

<< 79-Au-197	82-Pb-206	90-Th-232 >>
<< 82-Pb-204 MT37 (α,4n)	MT11 (α,2n+d) or MT5 (Bi206 production)	MT16 (α,2n) >>



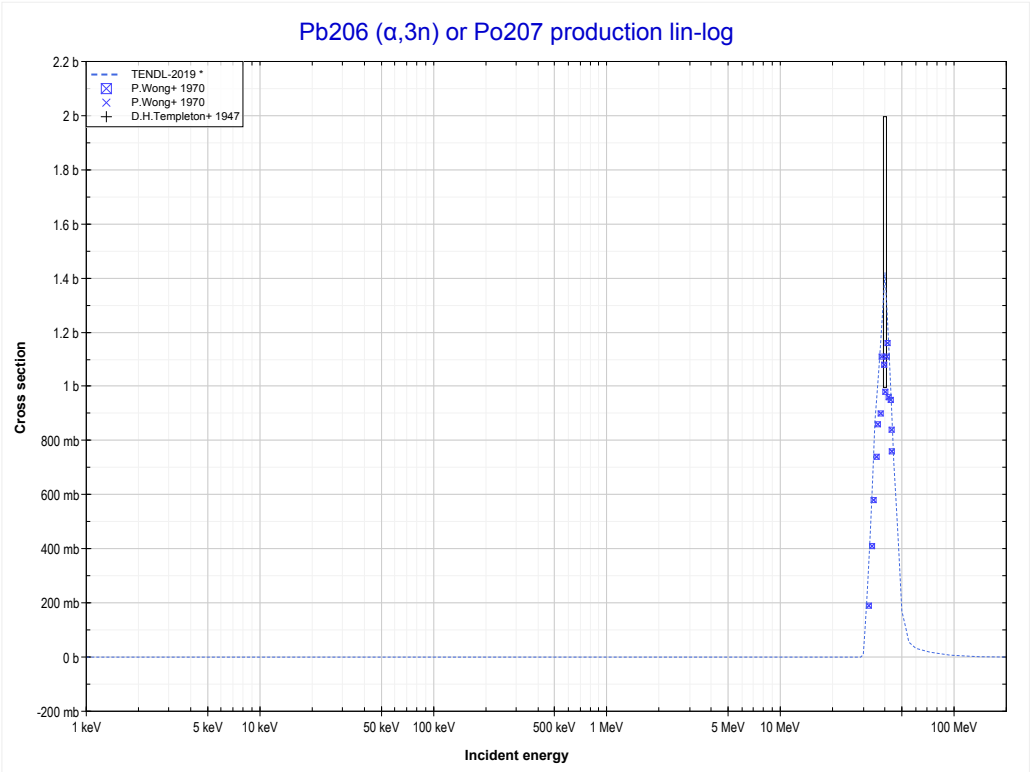
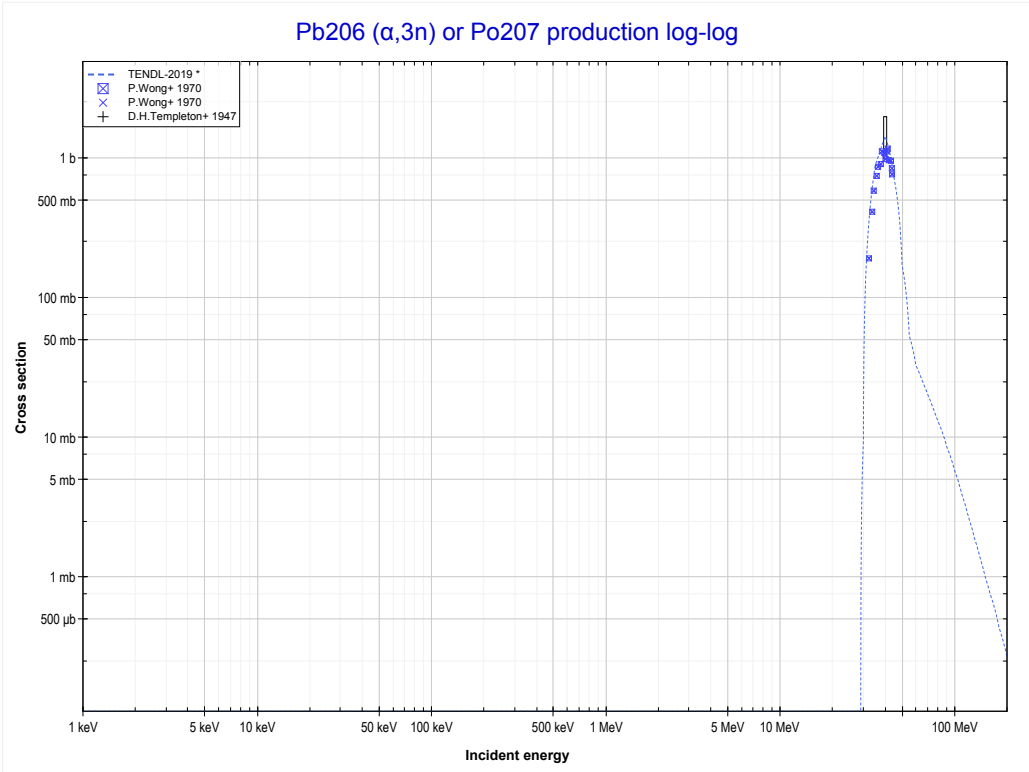
Reaction	Q-Value
Pb206(α,n+t)Bi206	-24353.81 keV
Pb206(α,2n+d)Bi206	-30611.04 keV
Pb206(α,3n+p)Bi206	-32835.61 keV

<< 81-Tl-203	82-Pb-206	82-Pb-208 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (Po208 production)	MT17 ($\alpha,3n$) >>



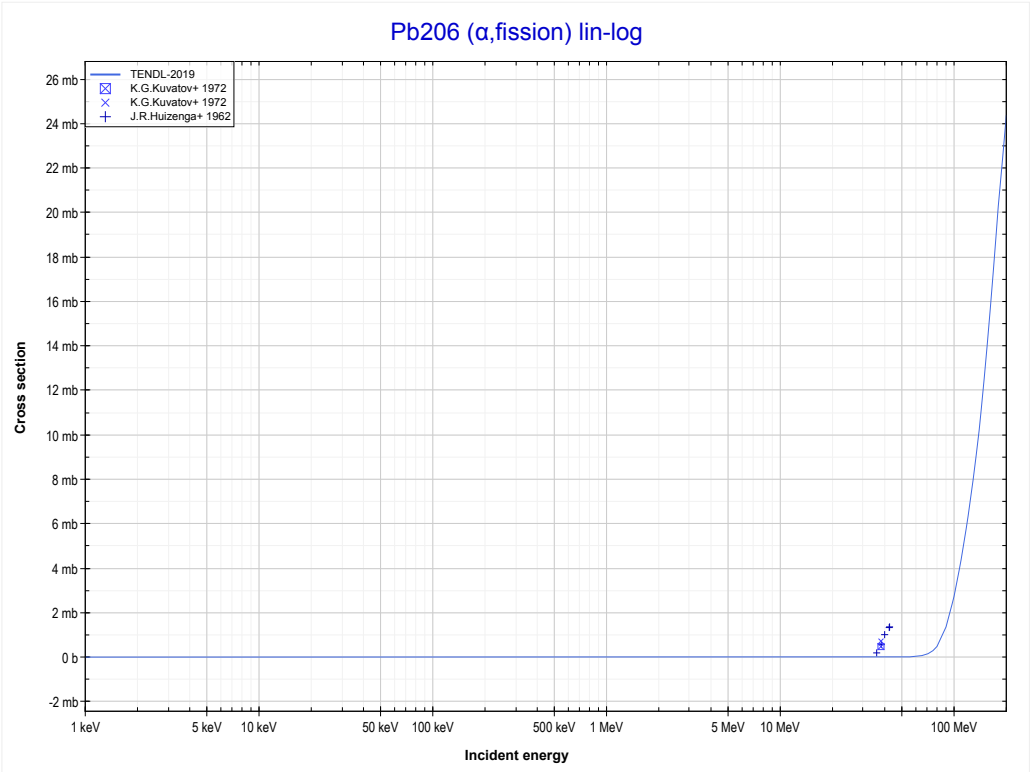
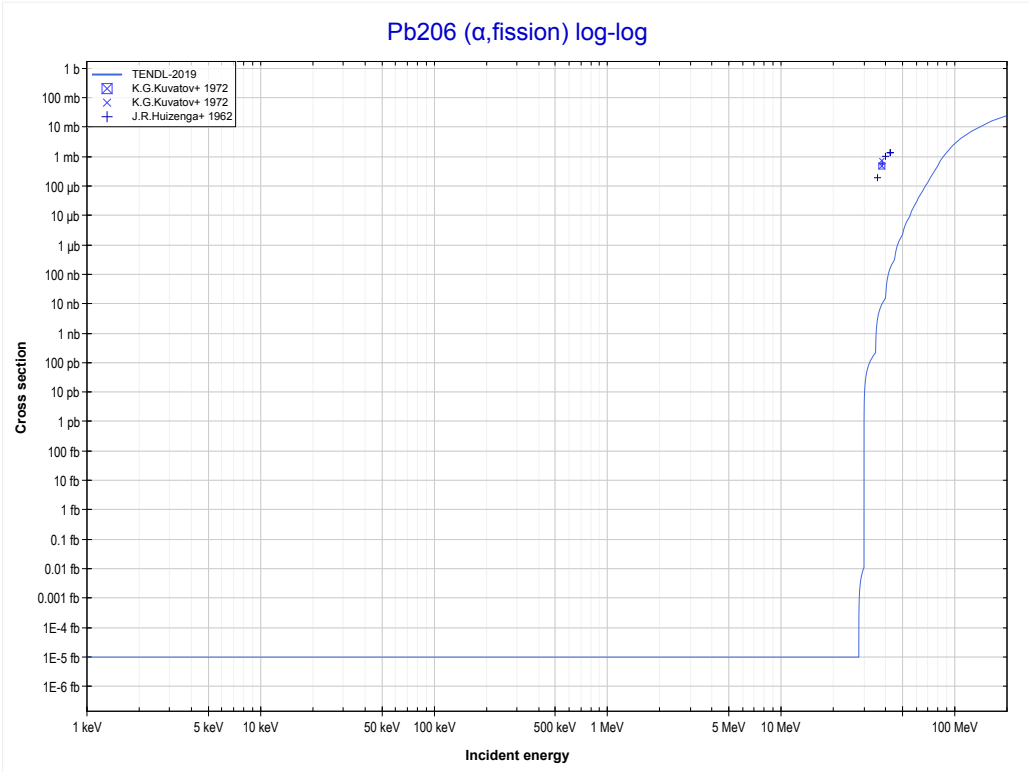
Reaction	Q-Value
Pb206($\alpha,2n$)Po208	-20033.72 keV

<< 81-Tl-205	82-Pb-206	83-Bi-209 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Po207 production)	MT18 (α ,fission) >>

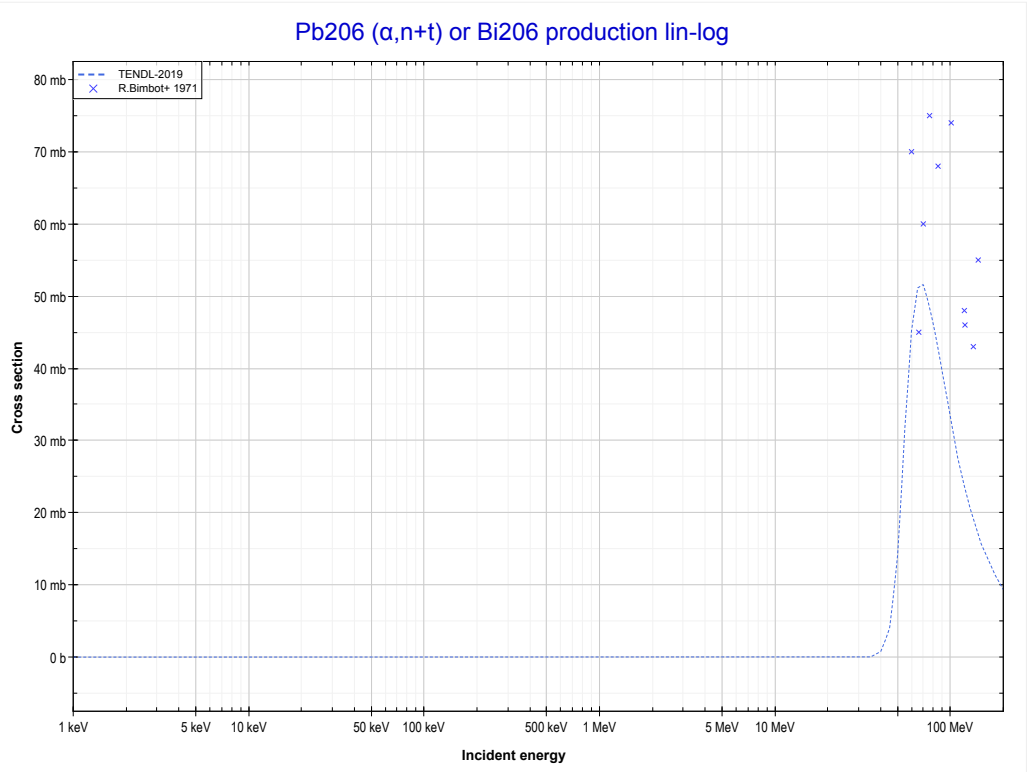
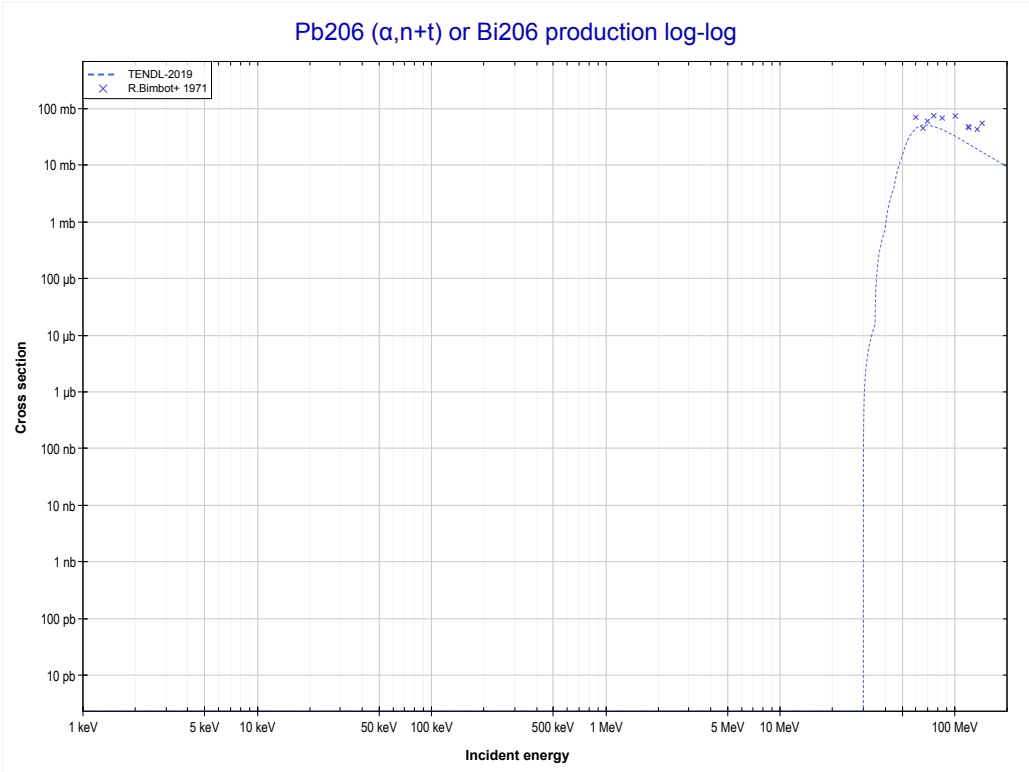


Reaction	Q-Value
Pb206($\alpha,3n$)Po207	-28428.64 keV

<< 82-Pb-204	82-Pb-206	82-Pb-207 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT33 (α ,n+t) >>

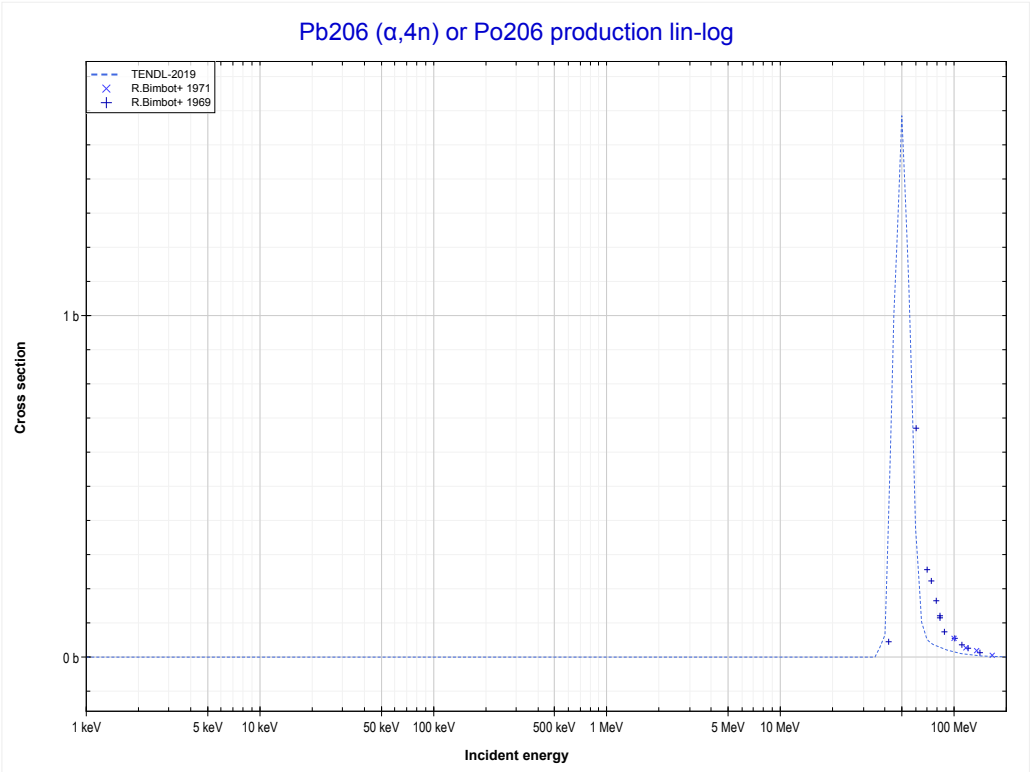
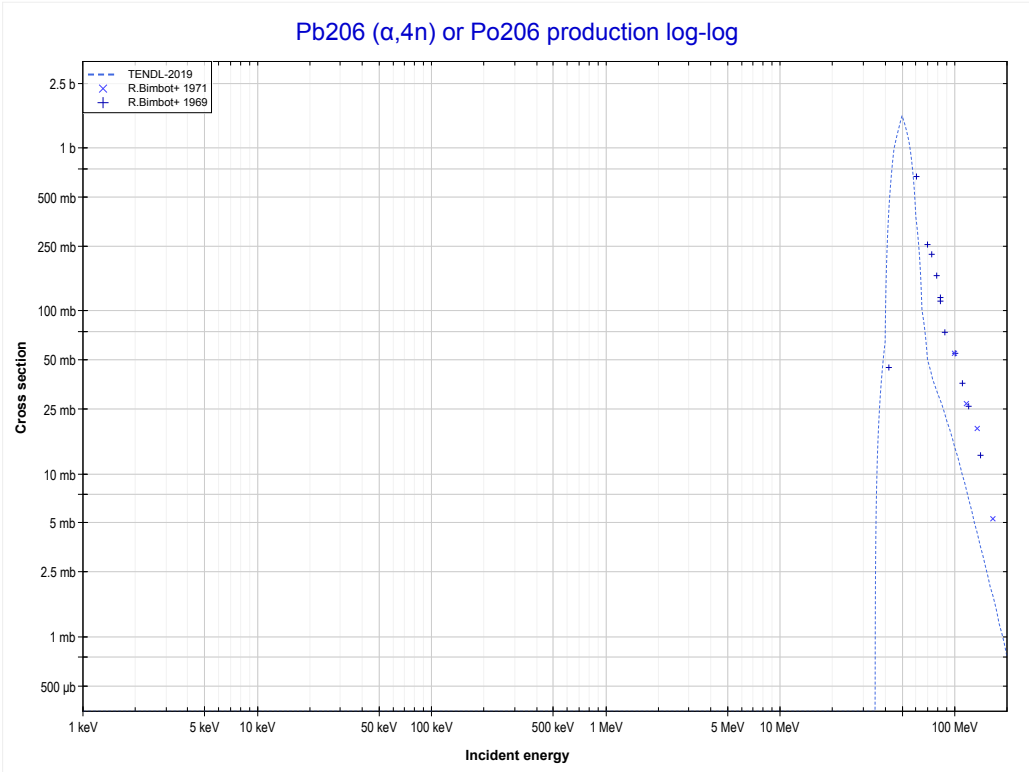


<< 79-Au-197	82-Pb-206	90-Th-232 >>
<< MT18 (α,fission)	MT33 (α,n+t) or MT5 (Bi206 production)	MT37 (α,4n) >>



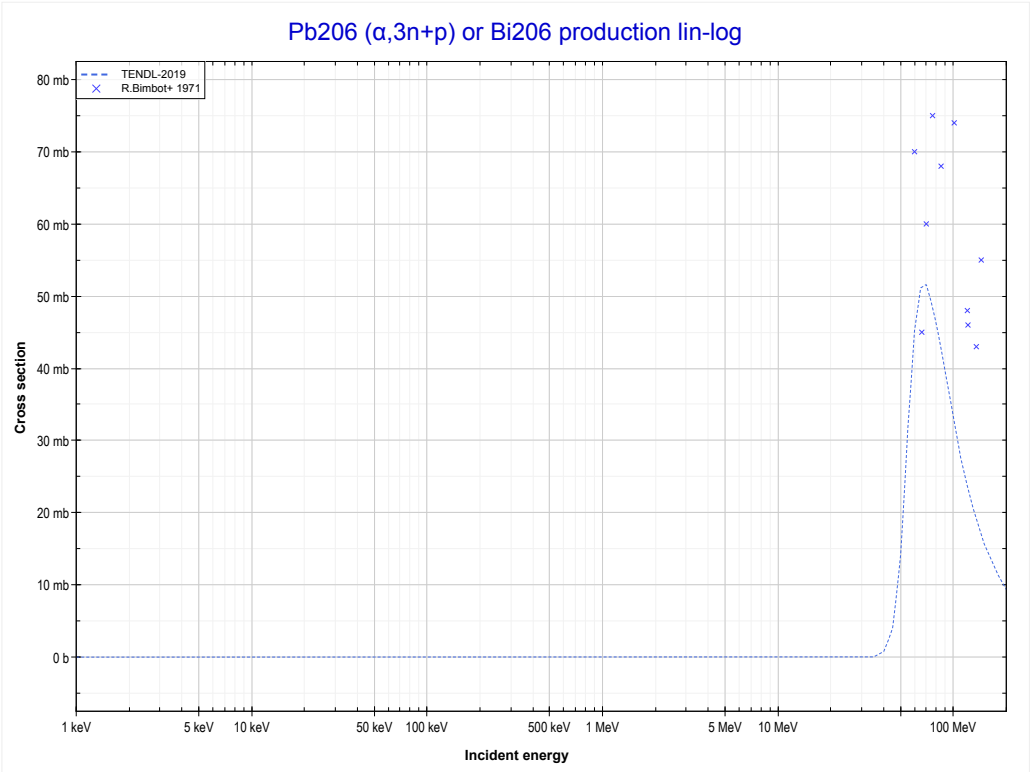
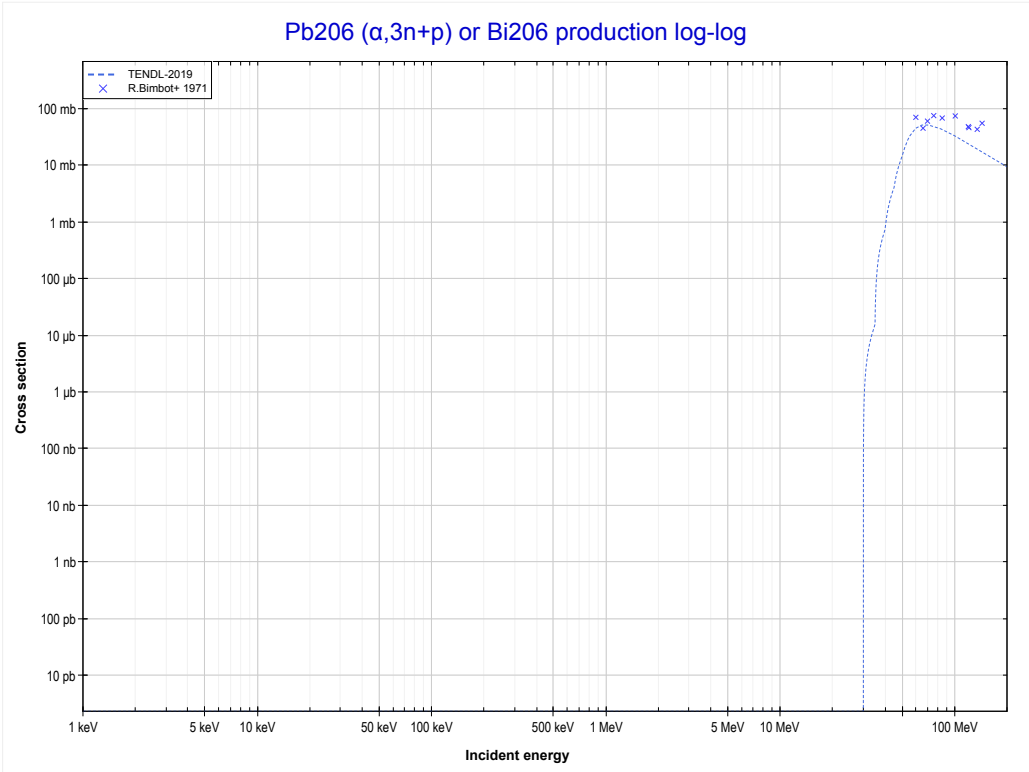
Reaction	Q-Value
Pb206(α,n+t)Bi206	-24353.81 keV
Pb206(α,2n+d)Bi206	-30611.04 keV
Pb206(α,3n+p)Bi206	-32835.61 keV

<< 82-Pb-204	82-Pb-206	83-Bi-209 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Po206 production)	MT42 ($\alpha,3n+p$) >>



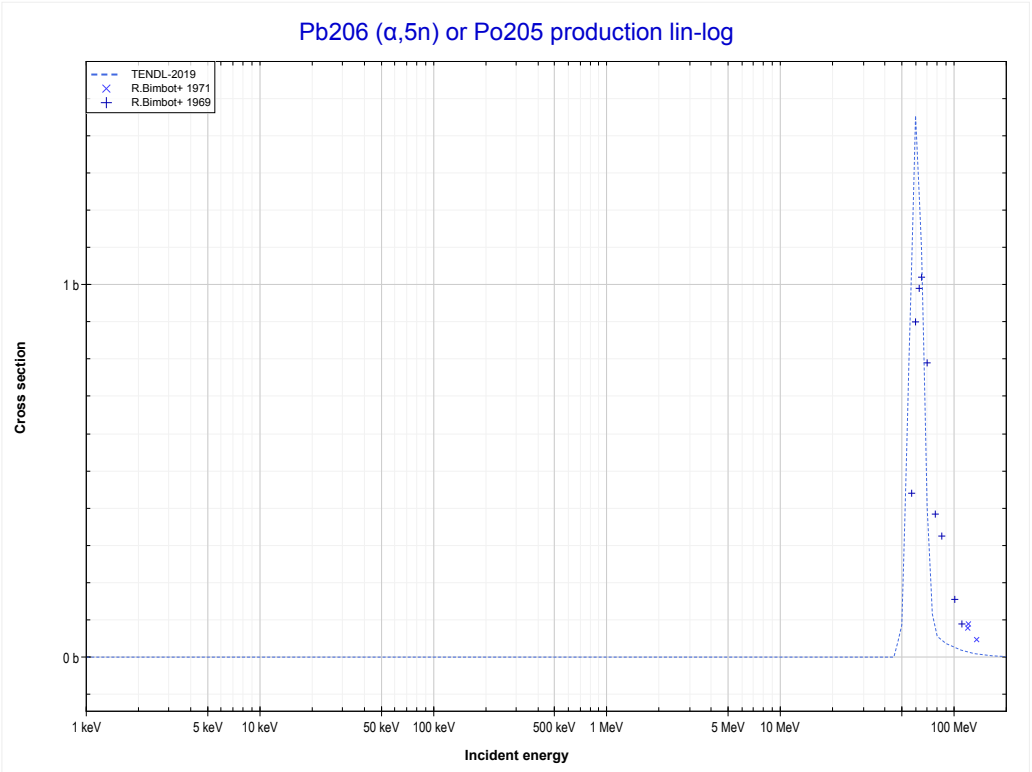
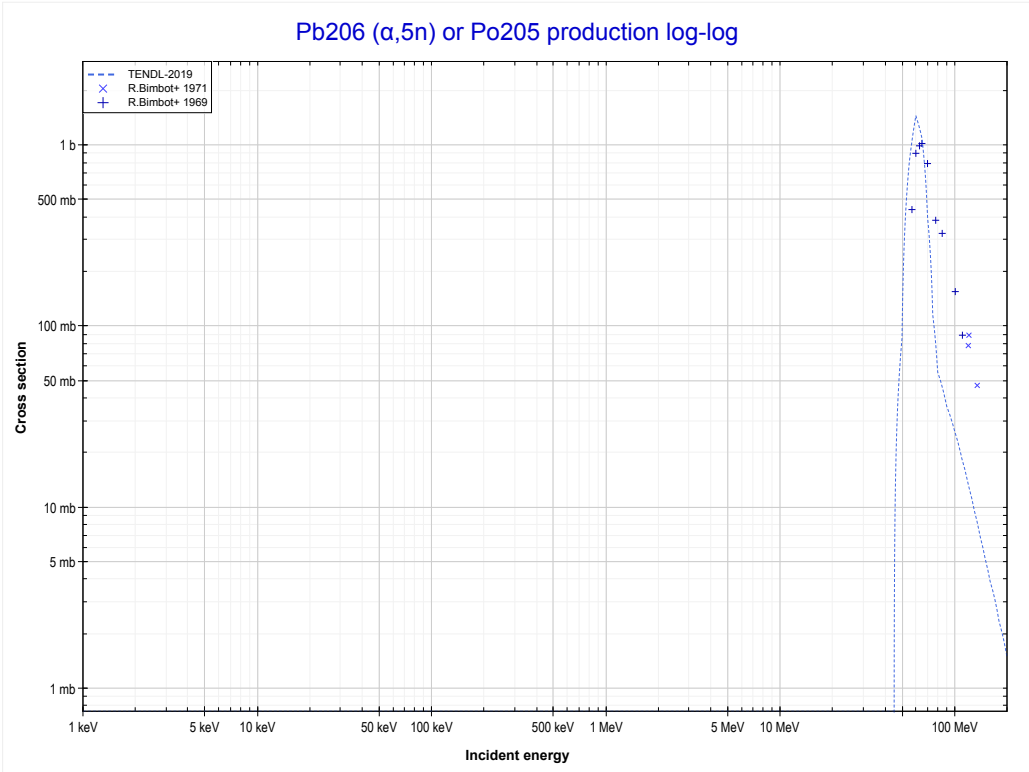
Reaction	Q-Value
Pb206($\alpha,4n$)Po206	-35456.95 keV

<< 79-Au-197	82-Pb-206	90-Th-232 >>
<< MT37 ($\alpha,4n$)	MT42 ($\alpha,3n+p$) or MT5 (Bi206 production)	MT152 ($\alpha,5n$) >>



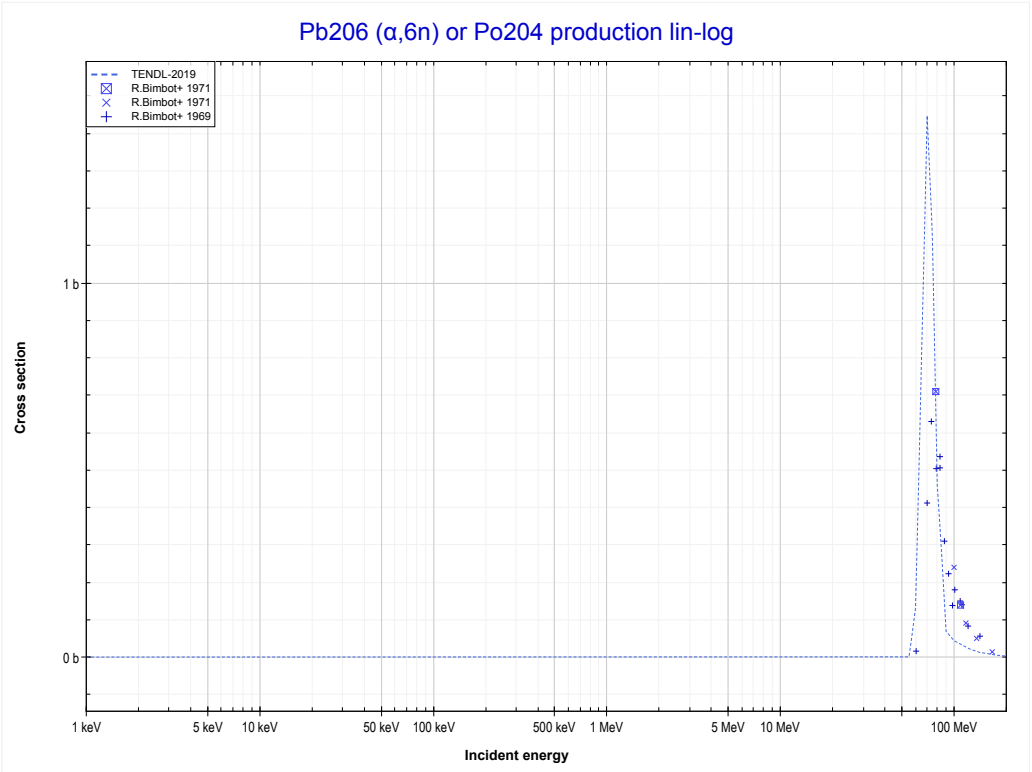
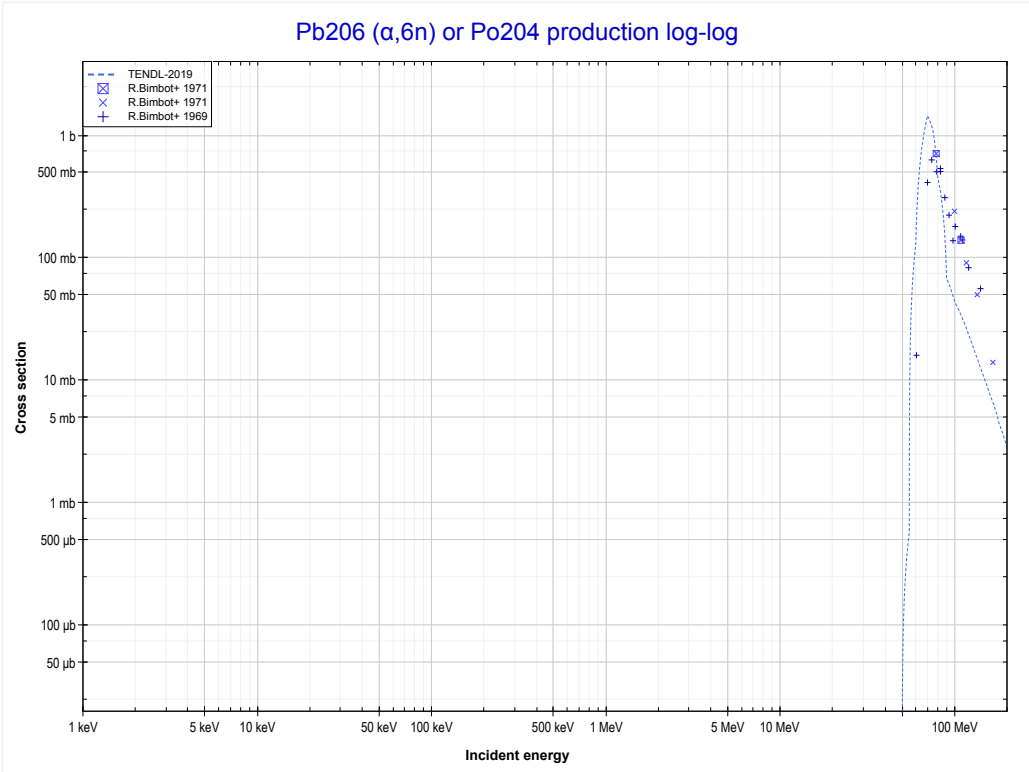
Reaction	Q-Value
Pb206($\alpha,n+t$)Bi206	-24353.81 keV
Pb206($\alpha,2n+d$)Bi206	-30611.04 keV
Pb206($\alpha,3n+p$)Bi206	-32835.61 keV

<< 79-Au-197	82-Pb-206	83-Bi-209 >>
<< MT42 (α,3n+p)	MT152 (α,5n) or MT5 (Po205 production)	MT153 (α,6n) >>



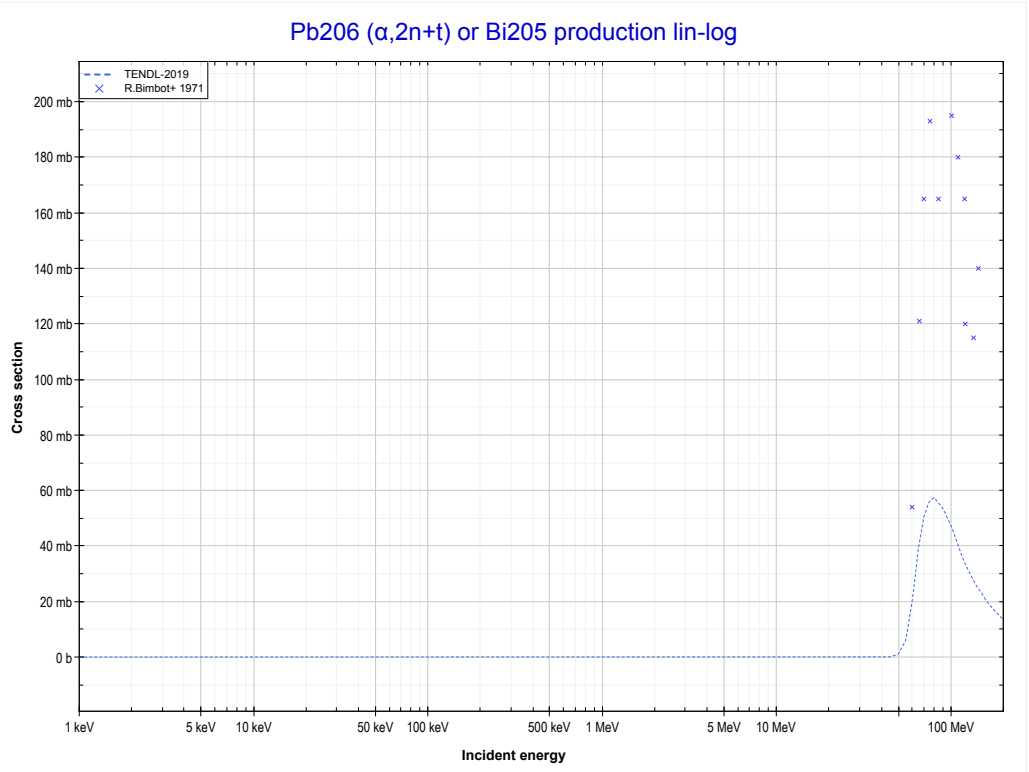
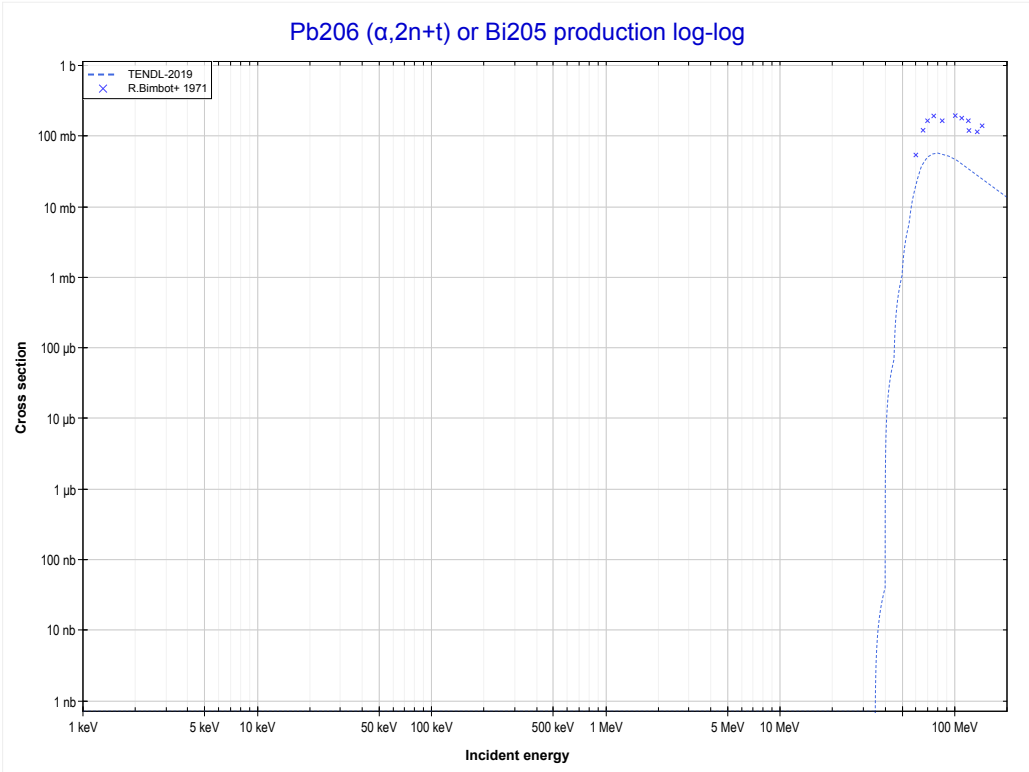
Reaction	Q-Value
Pb206(α,5n)Po205	-44196.27 keV

<< 79-Au-197	82-Pb-206	82-Pb-208 >>
<< MT152 (α,5n)	MT153 (α,6n) or MT5 (Po204 production)	MT154 (α,2n+t) >>



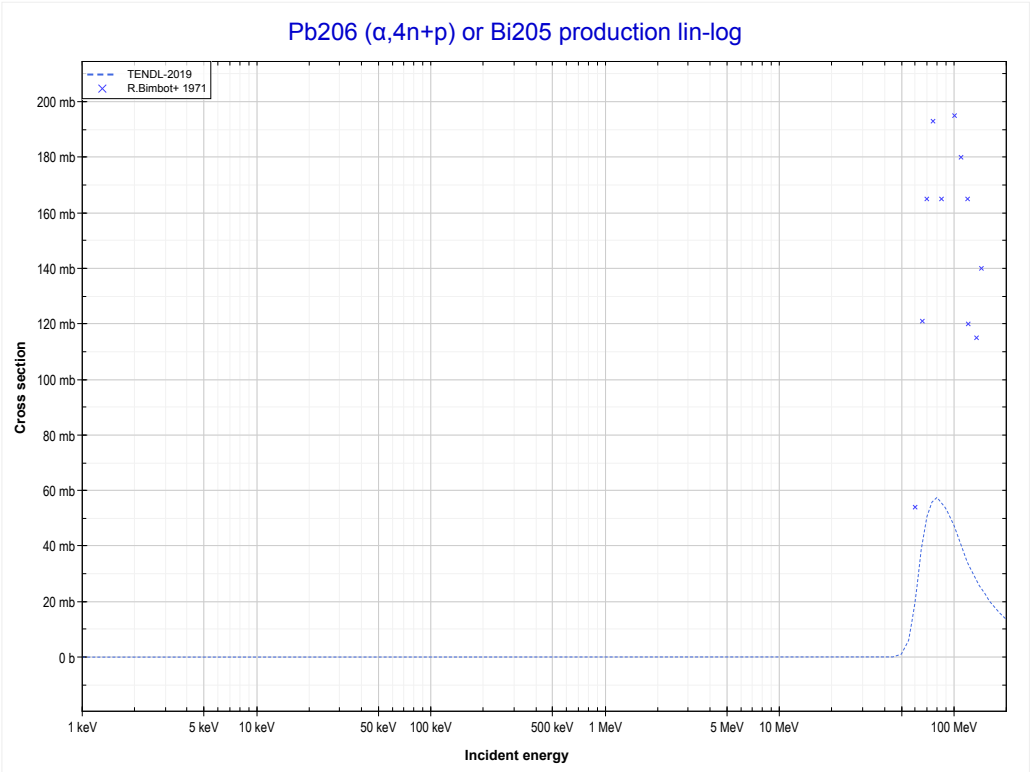
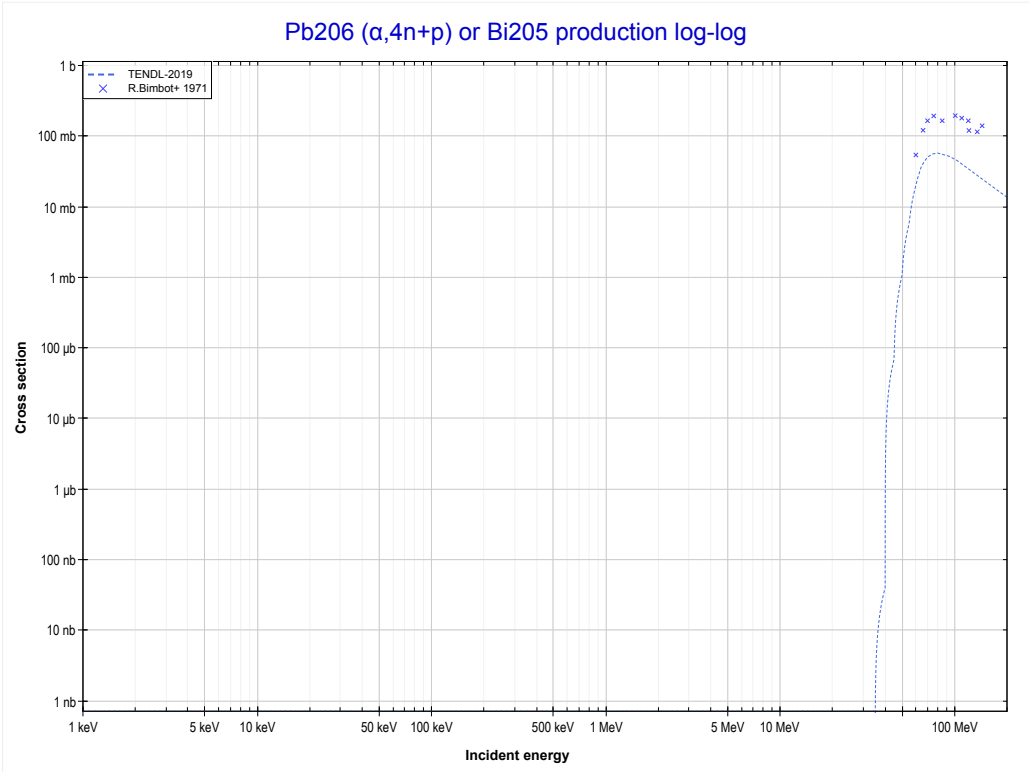
Reaction	Q-Value
Pb206(α,6n)Po204	-51447.59 keV

	82-Pb-206	
<< MT153 (α,6n)	MT154 (α,2n+t) or MT5 (Bi205 production)	MT156 (α,4n+p) >>



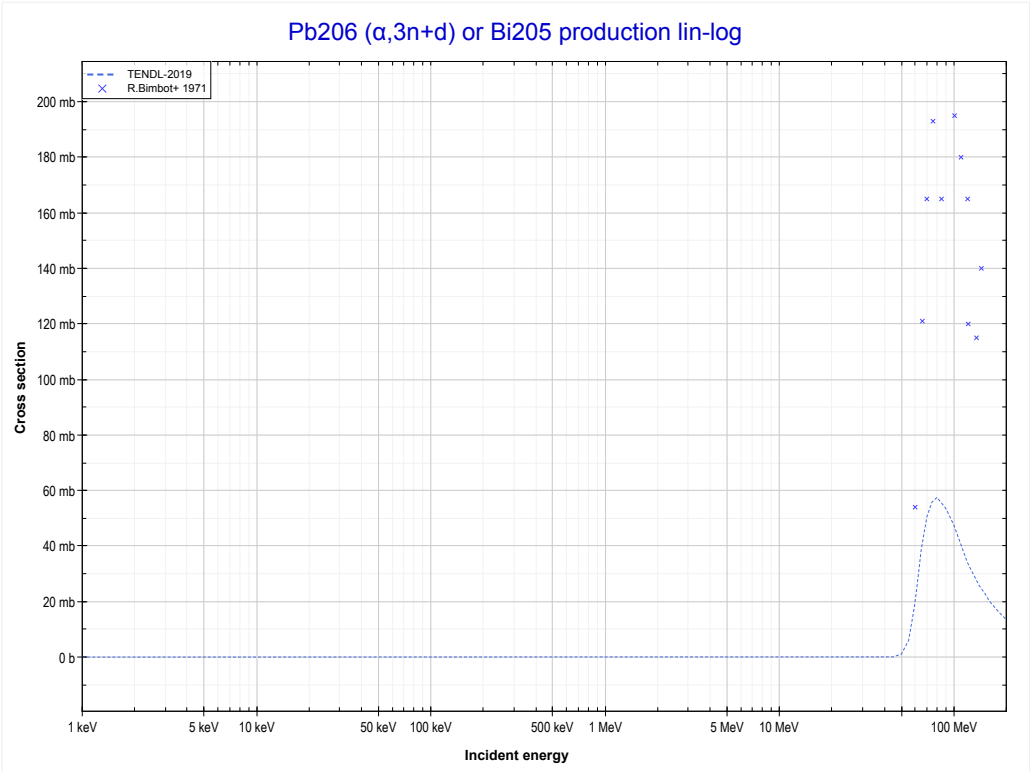
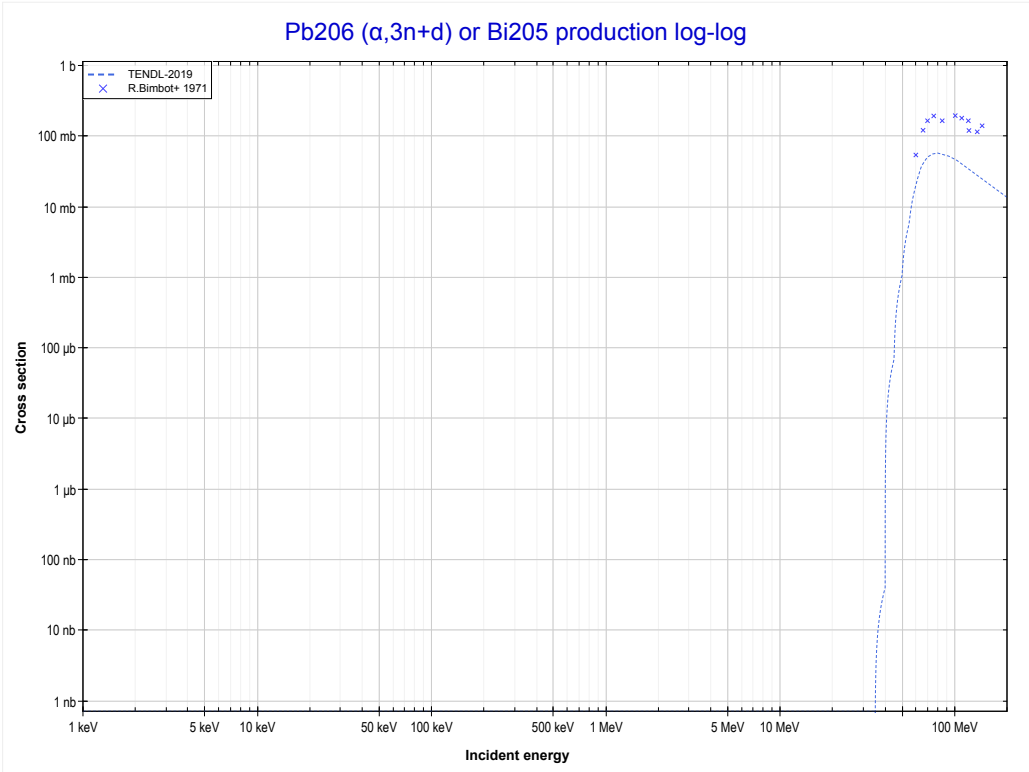
Reaction	Q-Value
Pb206(α,2n+t)Bi205	-31388.13 keV
Pb206(α,3n+d)Bi205	-37645.36 keV
Pb206(α,4n+p)Bi205	-39869.92 keV

<< 26-Fe-56	82-Pb-206	
<< MT154 ($\alpha,2n+t$)	MT156 ($\alpha,4n+p$) or MT5 (Bi205 production)	MT157 ($\alpha,3n+d$) >>



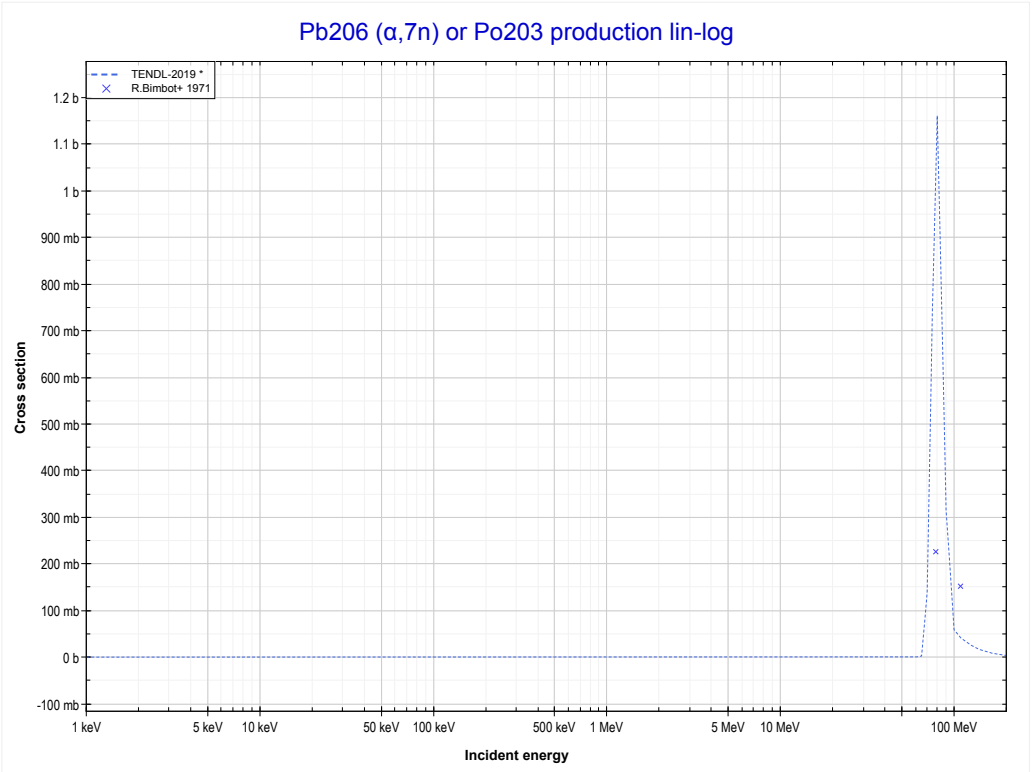
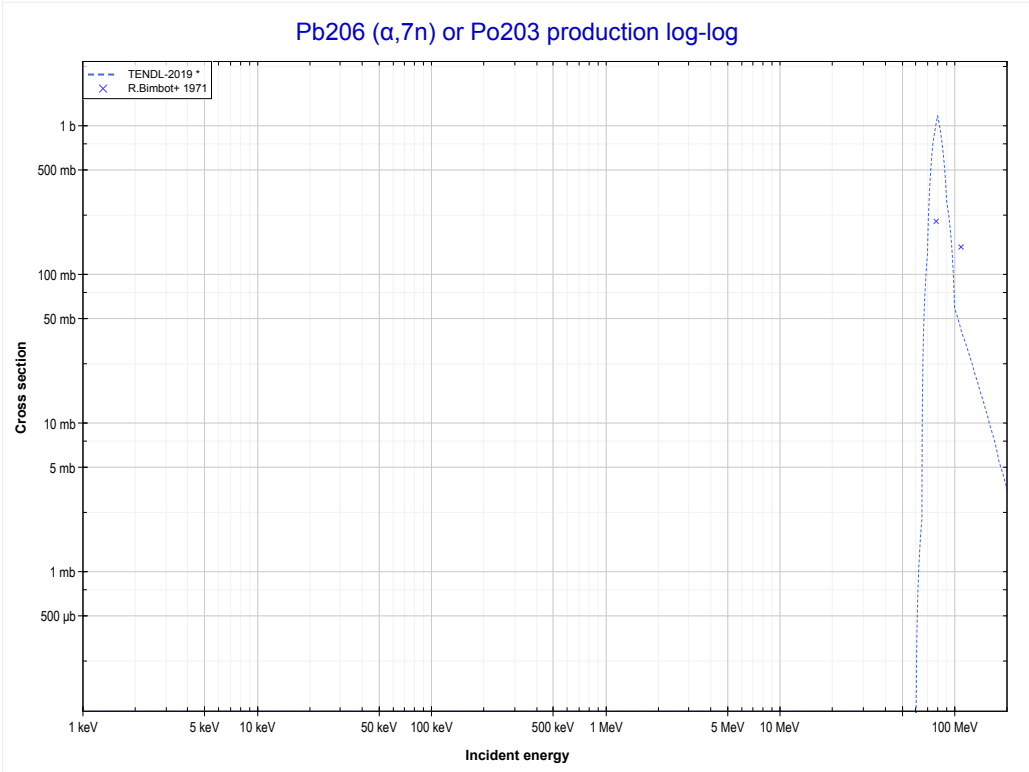
Reaction	Q-Value
Pb206($\alpha,2n+t$)Bi205	-31388.13 keV
Pb206($\alpha,3n+d$)Bi205	-37645.36 keV
Pb206($\alpha,4n+p$)Bi205	-39869.92 keV

	82-Pb-206	
<< MT156 ($\alpha,4n+p$)	MT157 ($\alpha,3n+d$) or MT5 (Bi205 production)	MT160 ($\alpha,7n$) >>



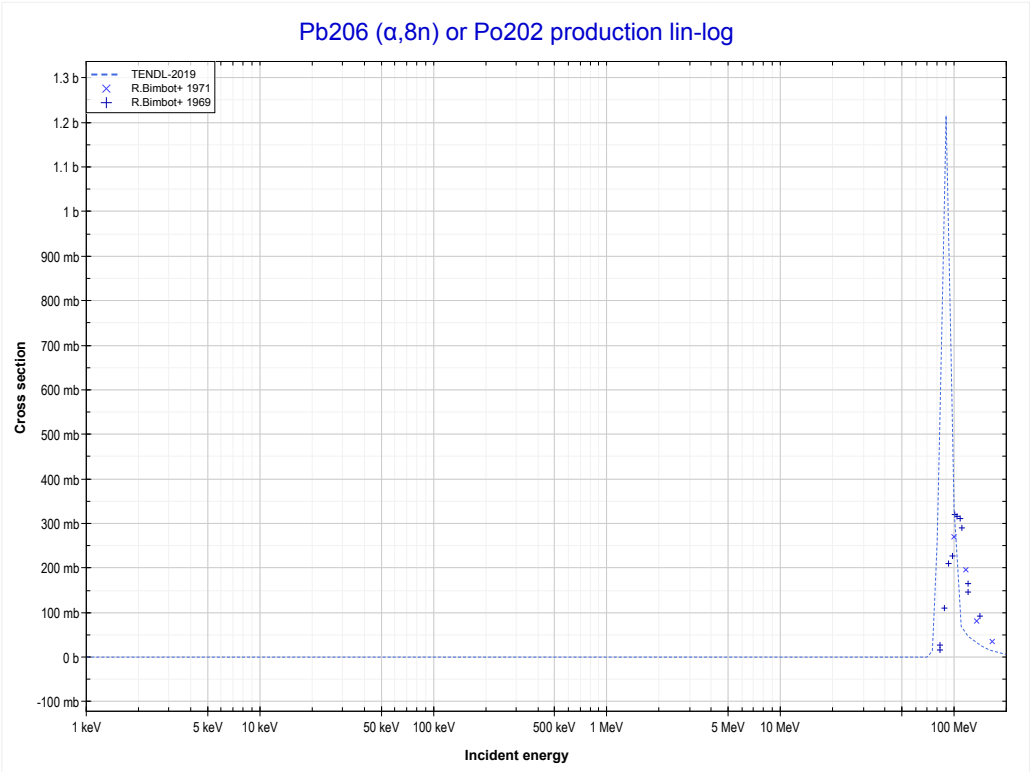
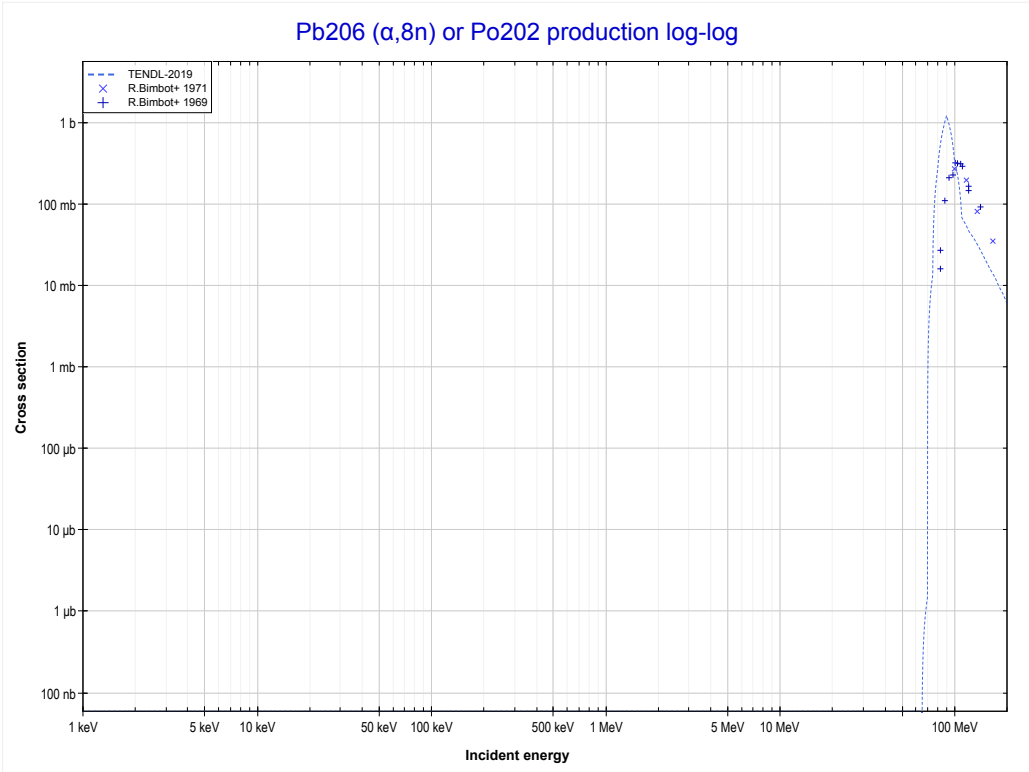
Reaction	Q-Value
Pb206($\alpha,2n+t$)Bi205	-31388.13 keV
Pb206($\alpha,3n+d$)Bi205	-37645.36 keV
Pb206($\alpha,4n+p$)Bi205	-39869.92 keV

<< 79-Au-197	82-Pb-206	82-Pb-208 >>
<< MT157 (α,3n+d)	MT160 (α,7n) or MT5 (Po203 production)	MT161 (α,8n) >>



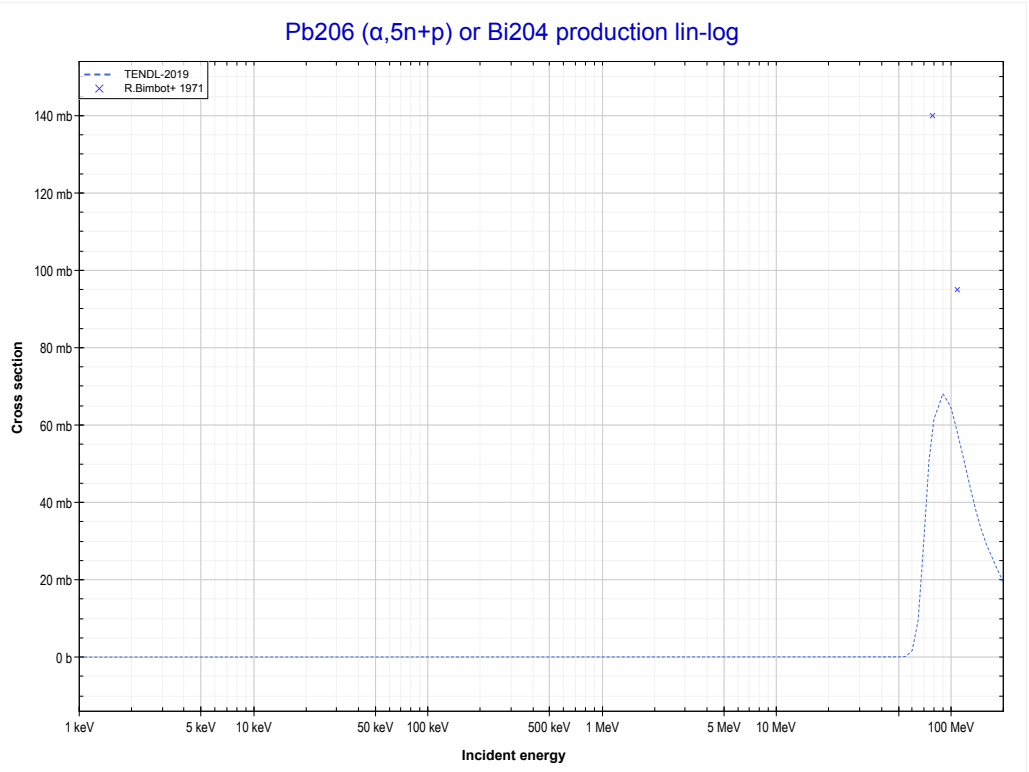
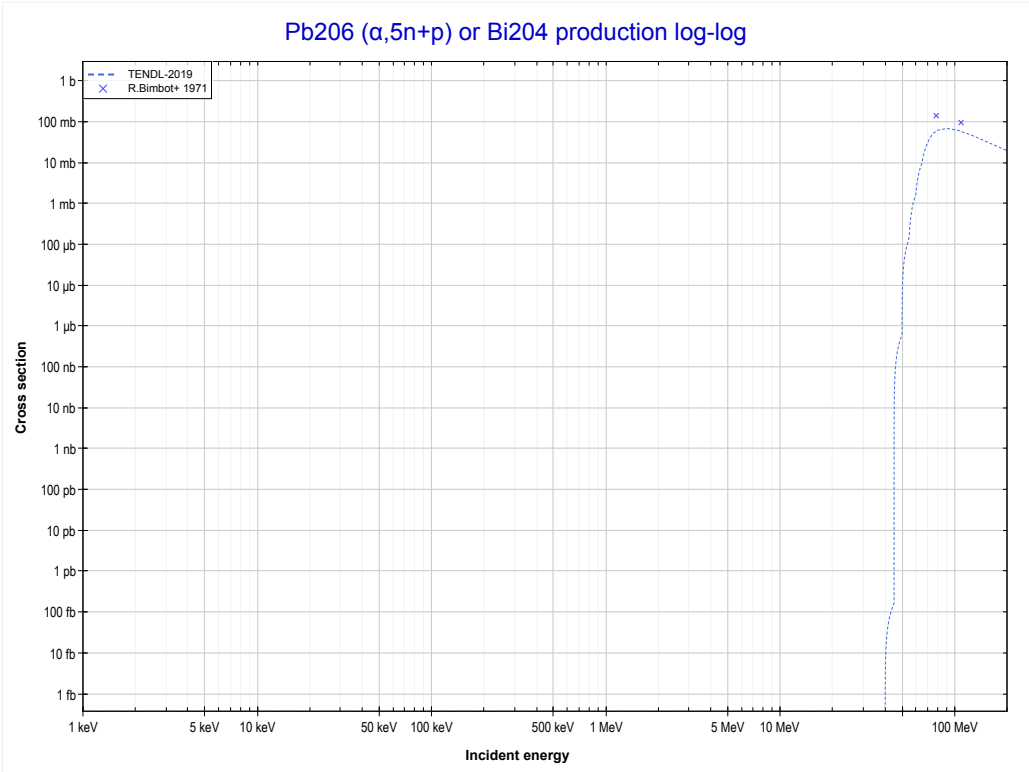
Reaction	Q-Value
Pb206(α,7n)Po203	-60548.90 keV

<< 79-Au-197	82-Pb-206	82-Pb-208 >>
<< MT160 (α,7n)	MT161 (α,8n) or MT5 (Po202 production)	MT162 (α,5n+p) >>



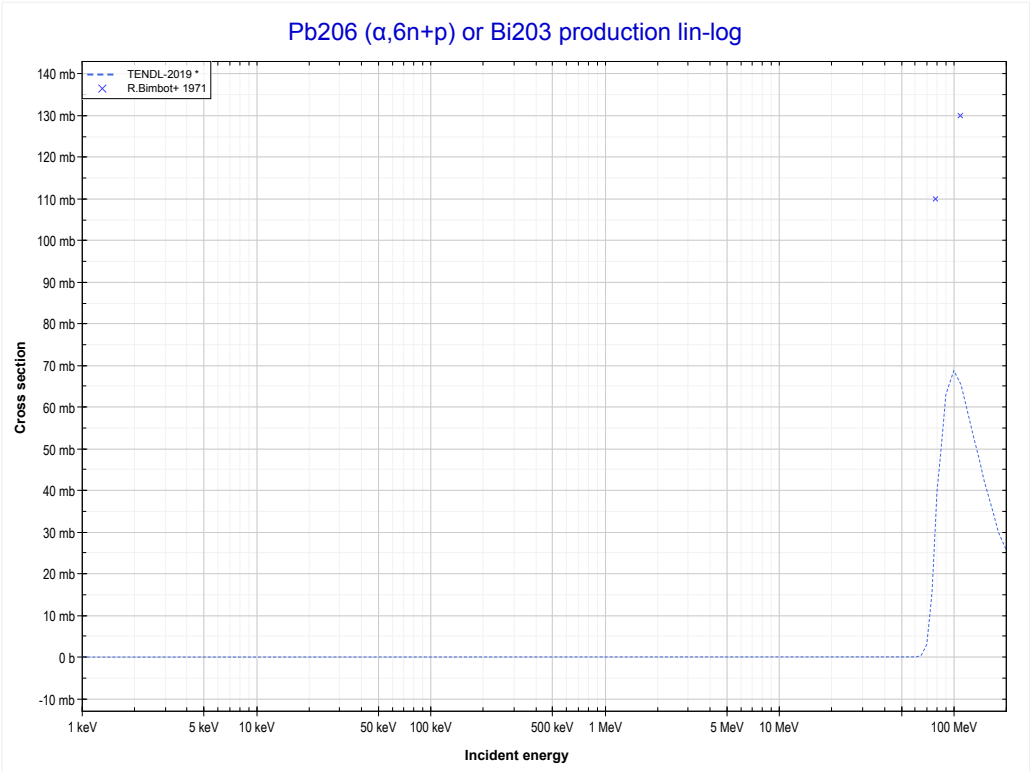
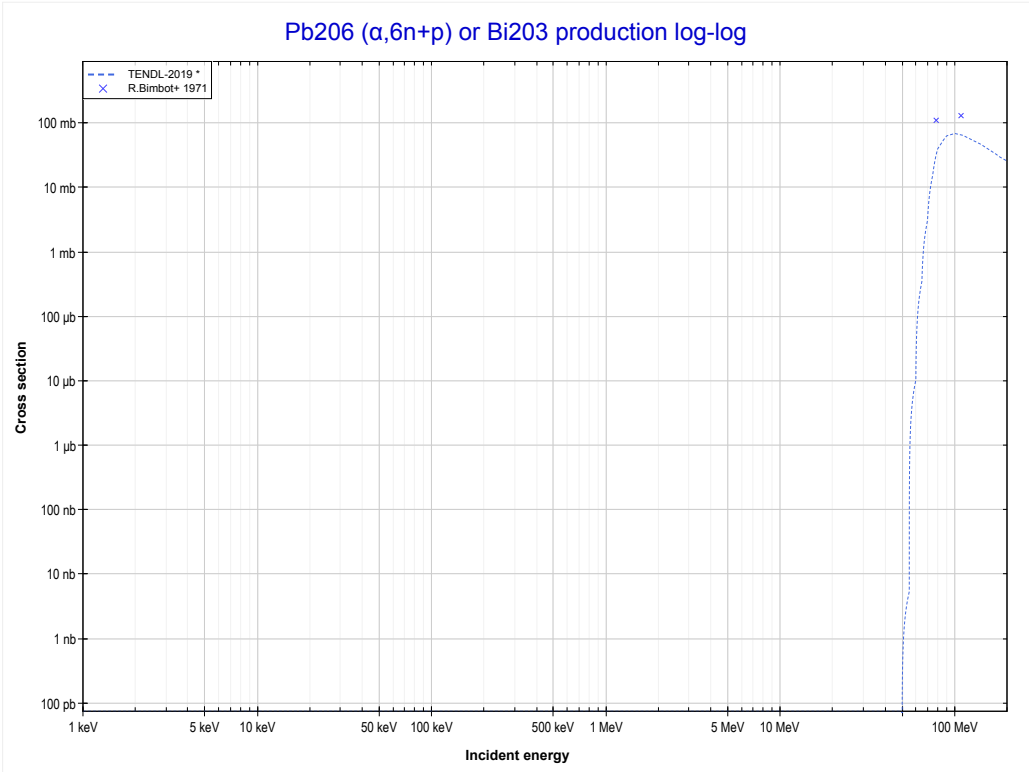
Reaction	Q-Value
Pb206(α,8n)Po202	-67989.22 keV

<< 27-Co-59	82-Pb-206	82-Pb-208 >>
<< MT161 (α,8n)	MT162 (α,5n+p) or MT5 (Bi204 production)	MT163 (α,6n+p) >>



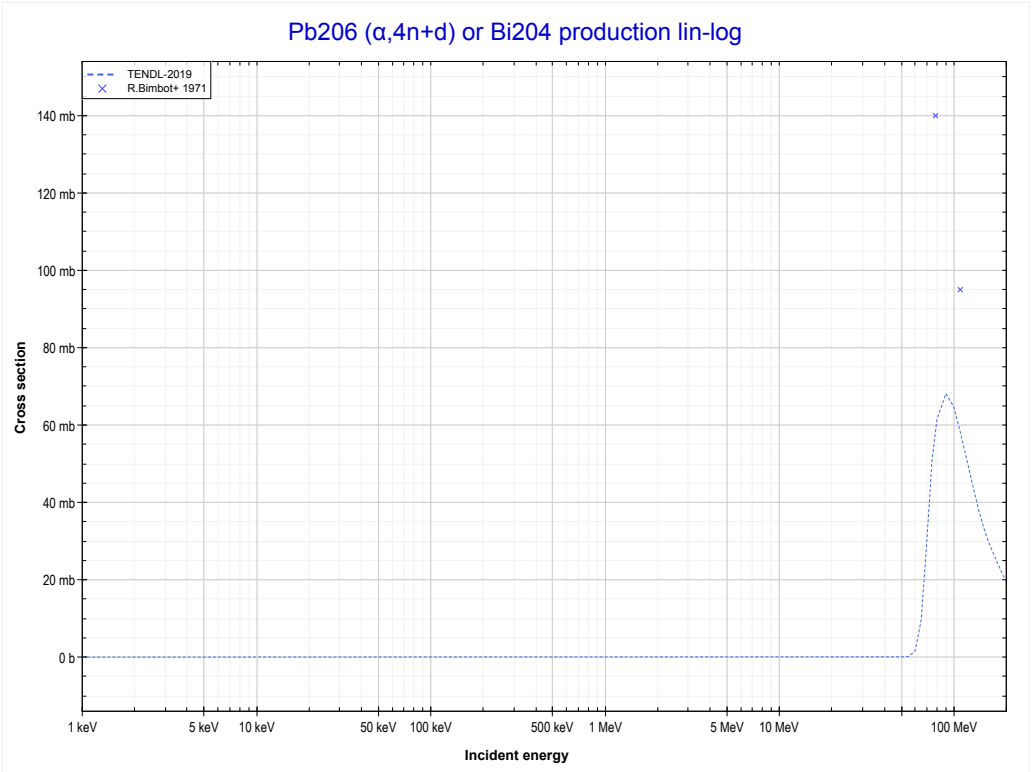
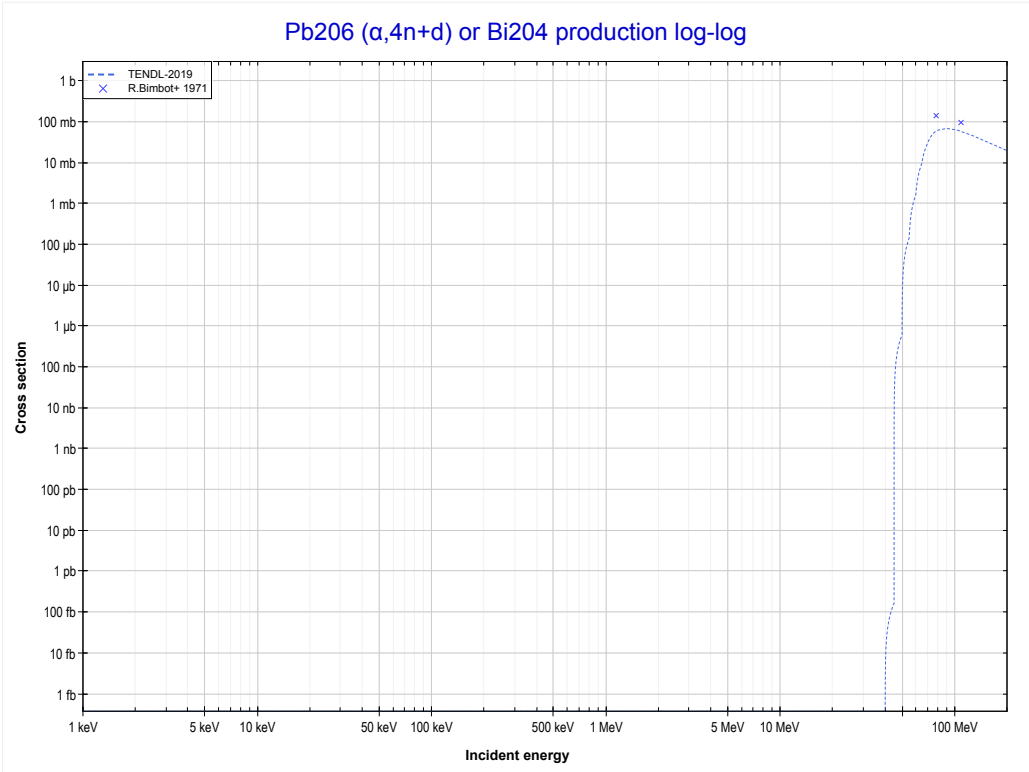
Reaction	Q-Value
Pb206(α,3n+t)Bi204	-39878.45 keV
Pb206(α,4n+d)Bi204	-46135.67 keV
Pb206(α,5n+p)Bi204	-48360.24 keV

<< 23-V-51	82-Pb-206	82-Pb-208 >>
<< MT162 (α,5n+p)	MT163 (α,6n+p) or MT5 (Bi203 production)	MT169 (α,4n+d) >>



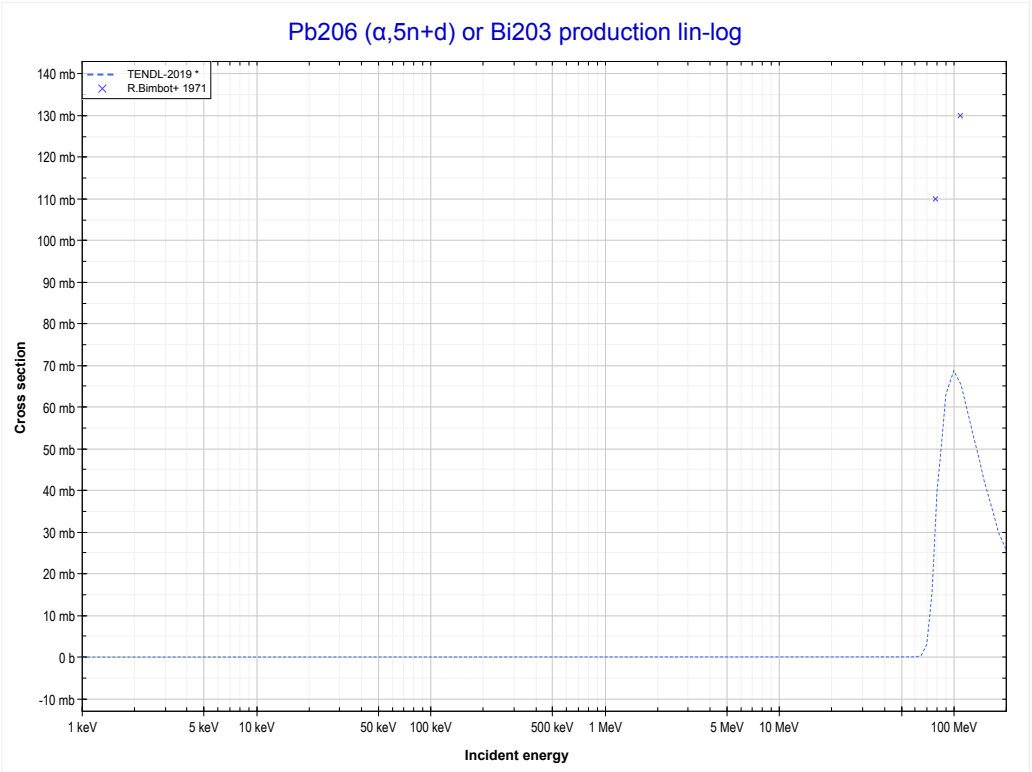
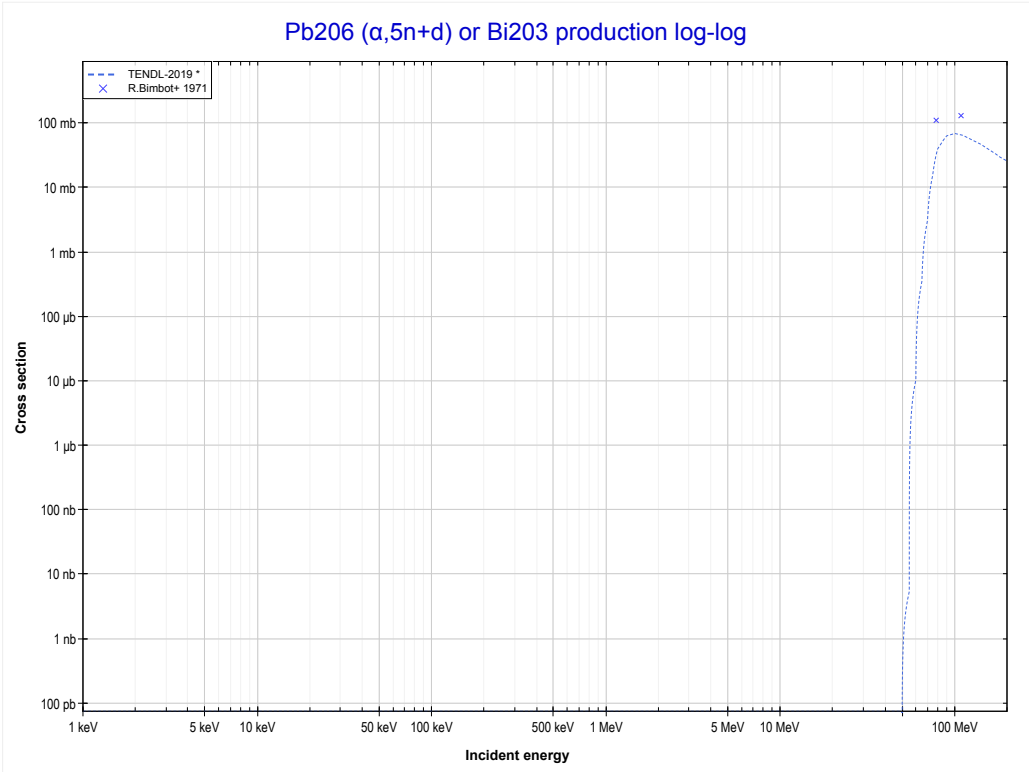
Reaction	Q-Value
Pb206(α,4n+t)Bi203	-47070.76 keV
Pb206(α,5n+d)Bi203	-53327.99 keV
Pb206(α,6n+p)Bi203	-55552.56 keV

<< 27-Co-59	82-Pb-206	82-Pb-208 >>
<< MT163 (α,6n+p)	MT169 (α,4n+d) or MT5 (Bi204 production)	MT170 (α,5n+d) >>



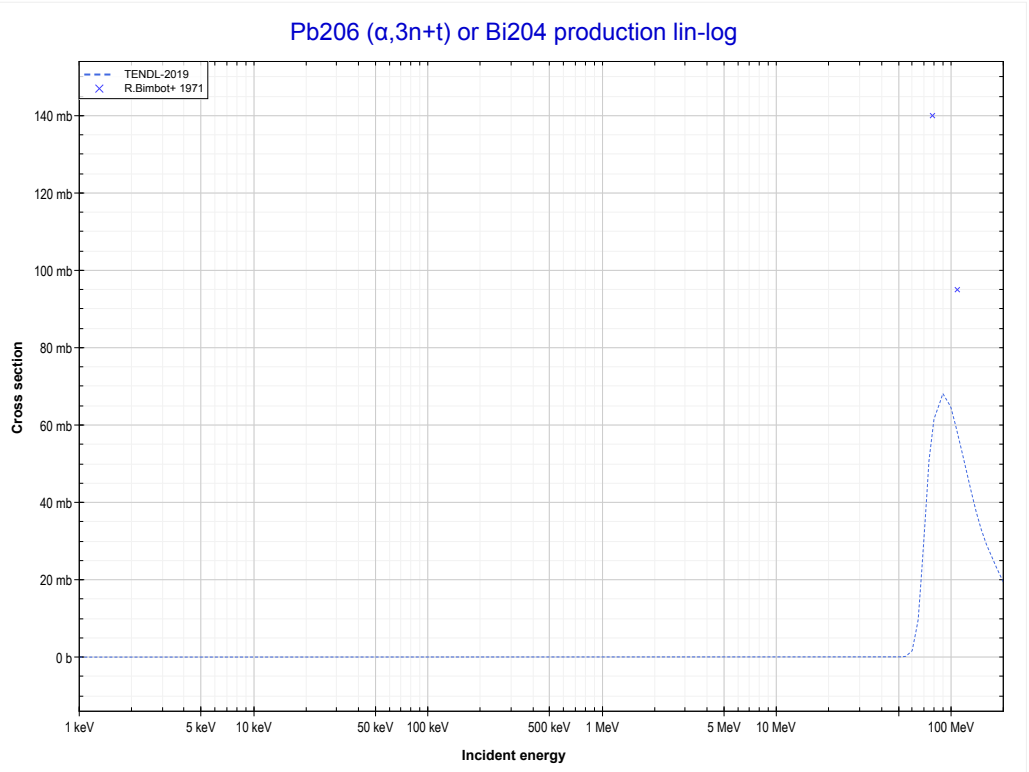
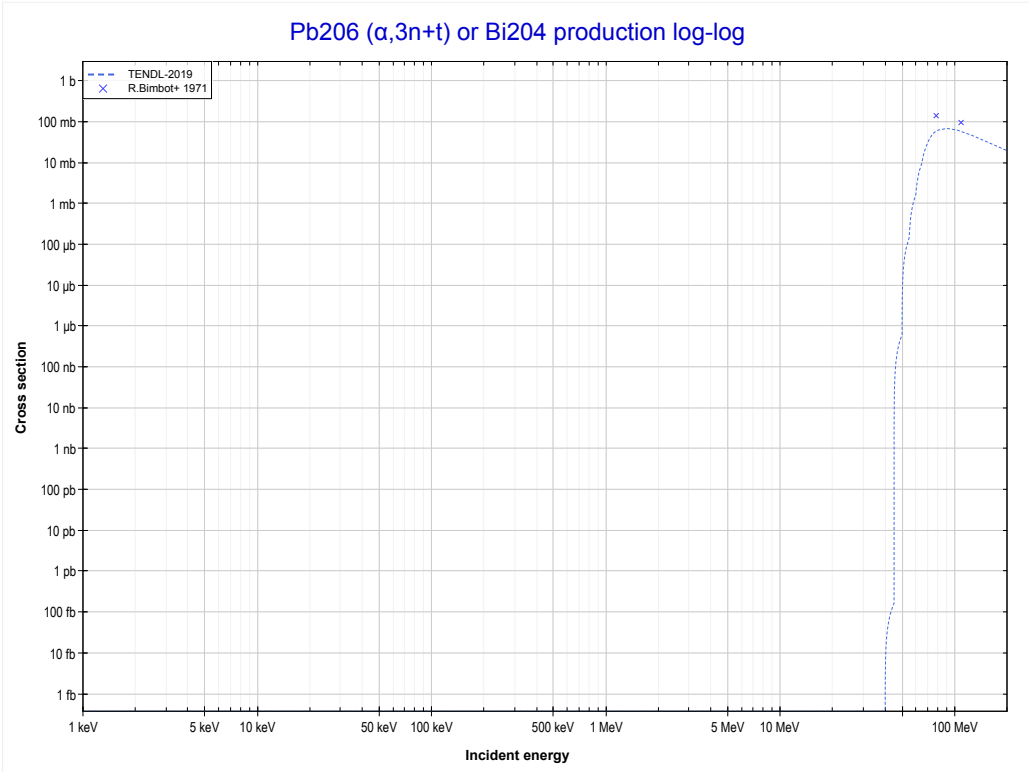
Reaction	Q-Value
Pb206(α,3n+t)Bi204	-39878.45 keV
Pb206(α,4n+d)Bi204	-46135.67 keV
Pb206(α,5n+p)Bi204	-48360.24 keV

<< 23-V-51	82-Pb-206	82-Pb-208 >>
<< MT169 ($\alpha,4n+d$)	MT170 ($\alpha,5n+d$) or MT5 (Bi203 production)	MT172 ($\alpha,3n+t$) >>



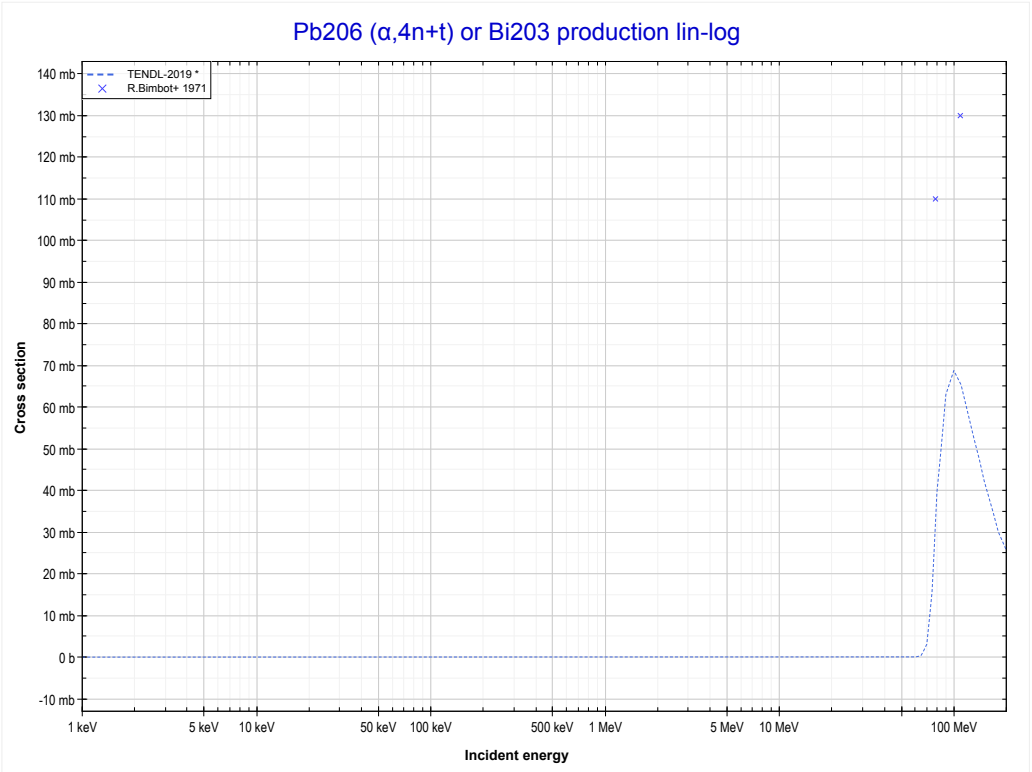
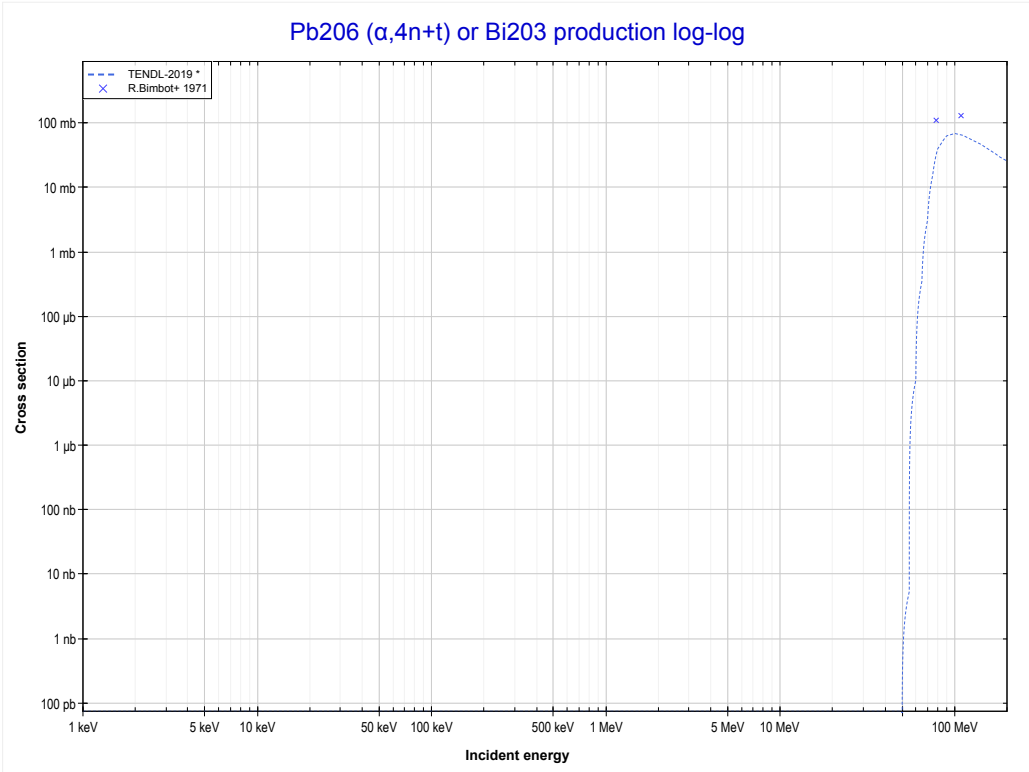
Reaction	Q-Value
Pb206($\alpha,4n+t$)Bi203	-47070.76 keV
Pb206($\alpha,5n+d$)Bi203	-53327.99 keV
Pb206($\alpha,6n+p$)Bi203	-55552.56 keV

<< 27-Co-59	82-Pb-206	82-Pb-208 >>
<< MT170 (α ,5n+d)	MT172 (α ,3n+t) or MT5 (Bi204 production)	MT173 (α ,4n+t) >>



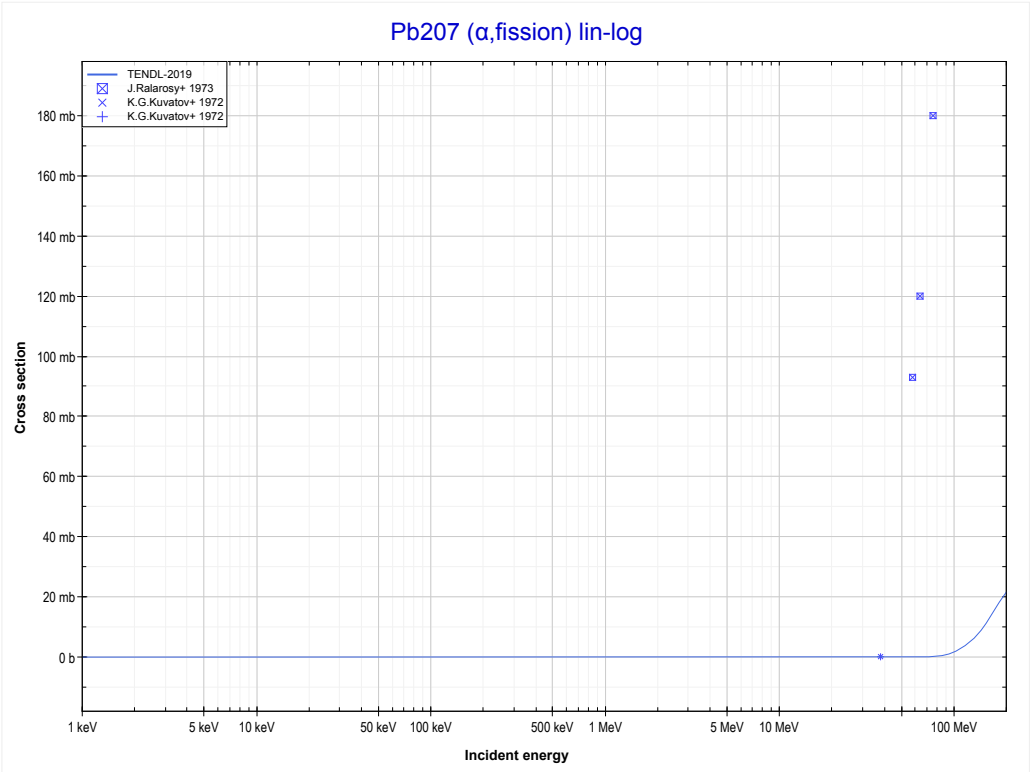
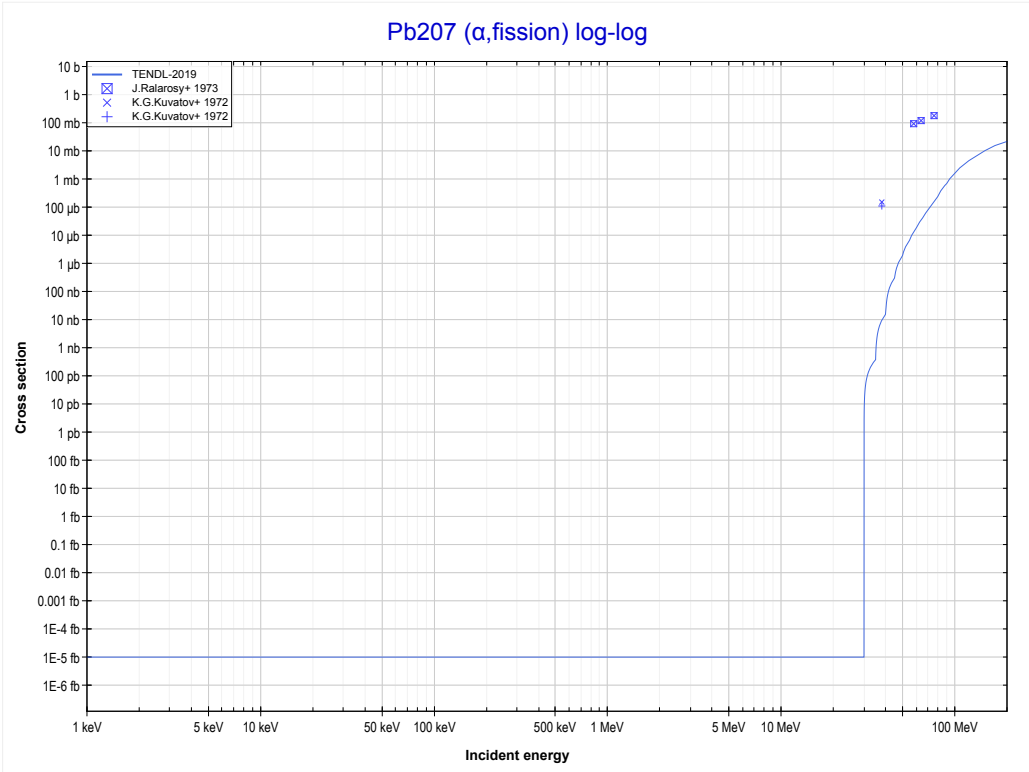
Reaction	Q-Value
Pb206(α ,3n+t)Bi204	-39878.45 keV
Pb206(α ,4n+d)Bi204	-46135.67 keV
Pb206(α ,5n+p)Bi204	-48360.24 keV

<< 23-V-51	82-Pb-206	82-Pb-208 >>
<< MT172 (α,3n+t)	MT173 (α,4n+t) or MT5 (Bi203 production)	82-Pb-207 MT18 (α,fission) >>

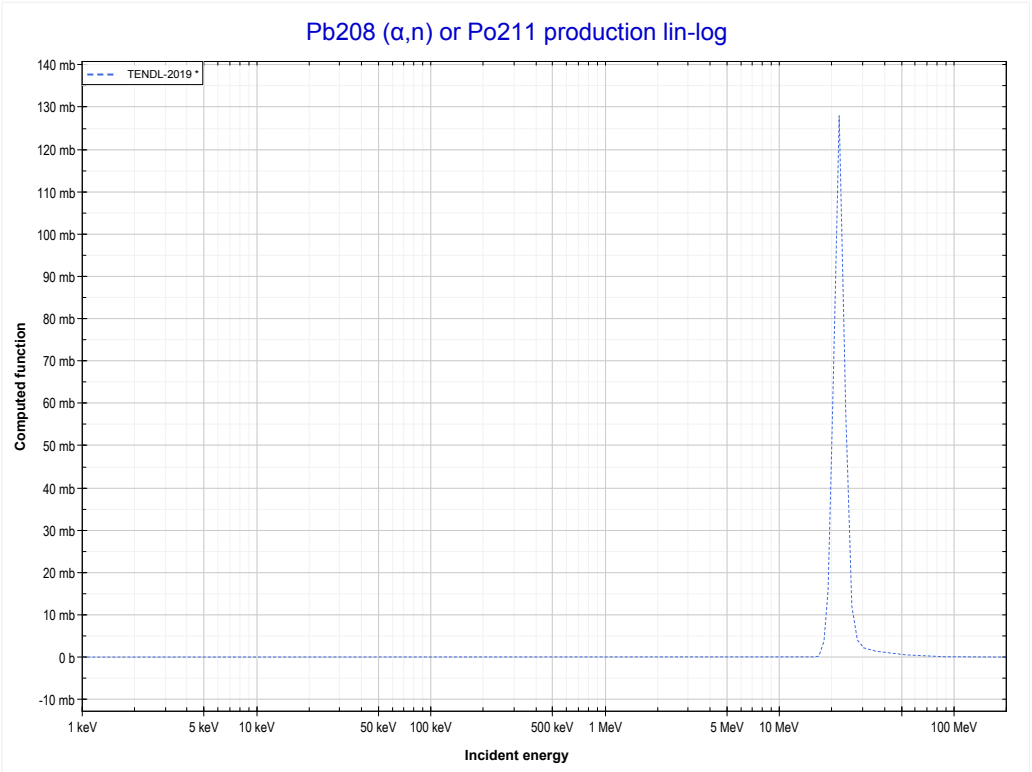
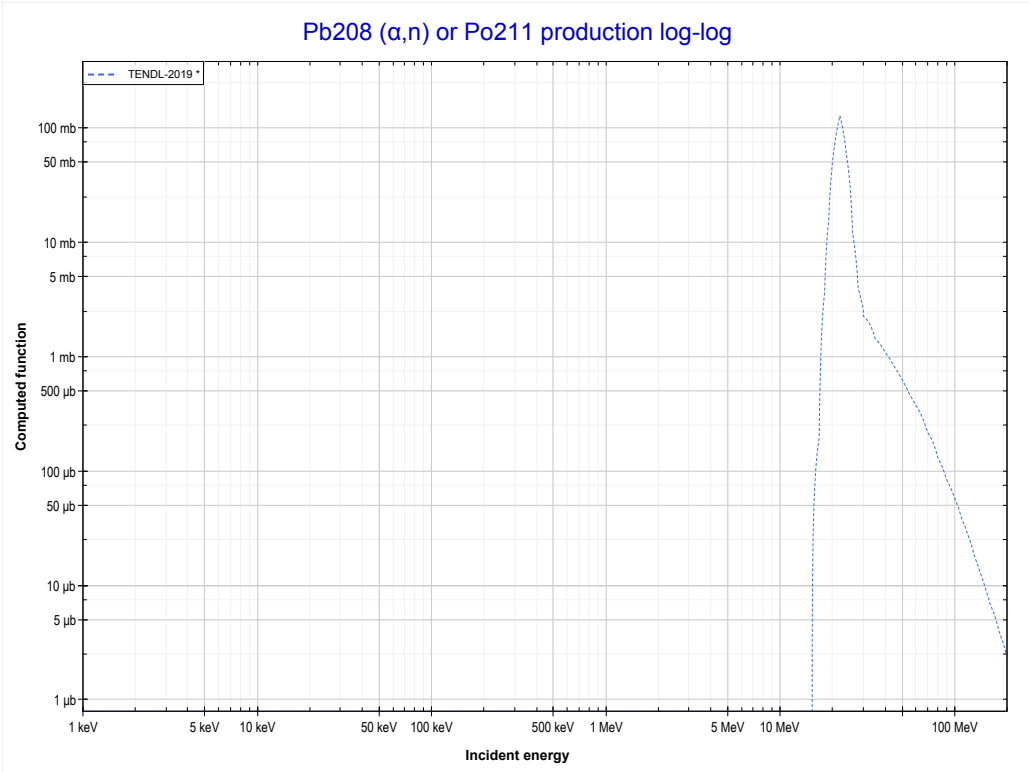


Reaction	Q-Value
Pb206(α,4n+t)Bi203	-47070.76 keV
Pb206(α,5n+d)Bi203	-53327.99 keV
Pb206(α,6n+p)Bi203	-55552.56 keV

<< 82-Pb-206	82-Pb-207	82-Pb-208 >>
<< 82-Pb-206 MT173 ($\alpha,4n+t$)	MT18 (α ,fission)	82-Pb-208 MT4 (α,n) >>

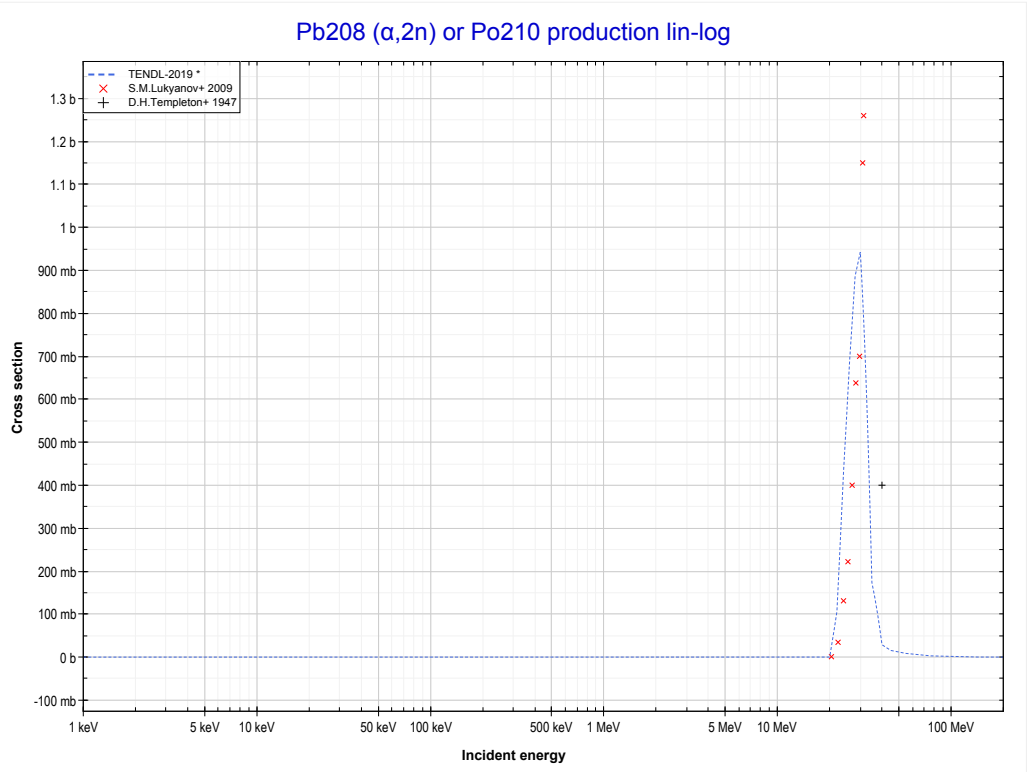
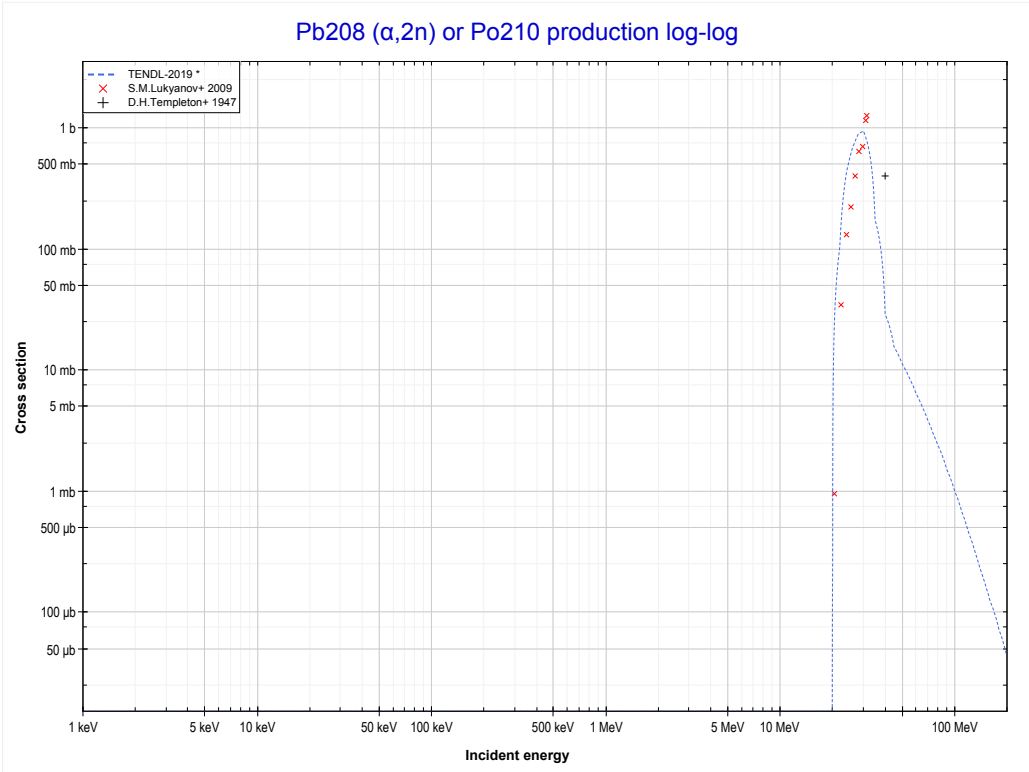


<< 81-Tl-203	82-Pb-208	83-Bi-209 >>
<< 82-Pb-207 MT18 (α,fission)	MT4 (α,n) or MT5 (Po211 production)	MT16 (α,2n) >>



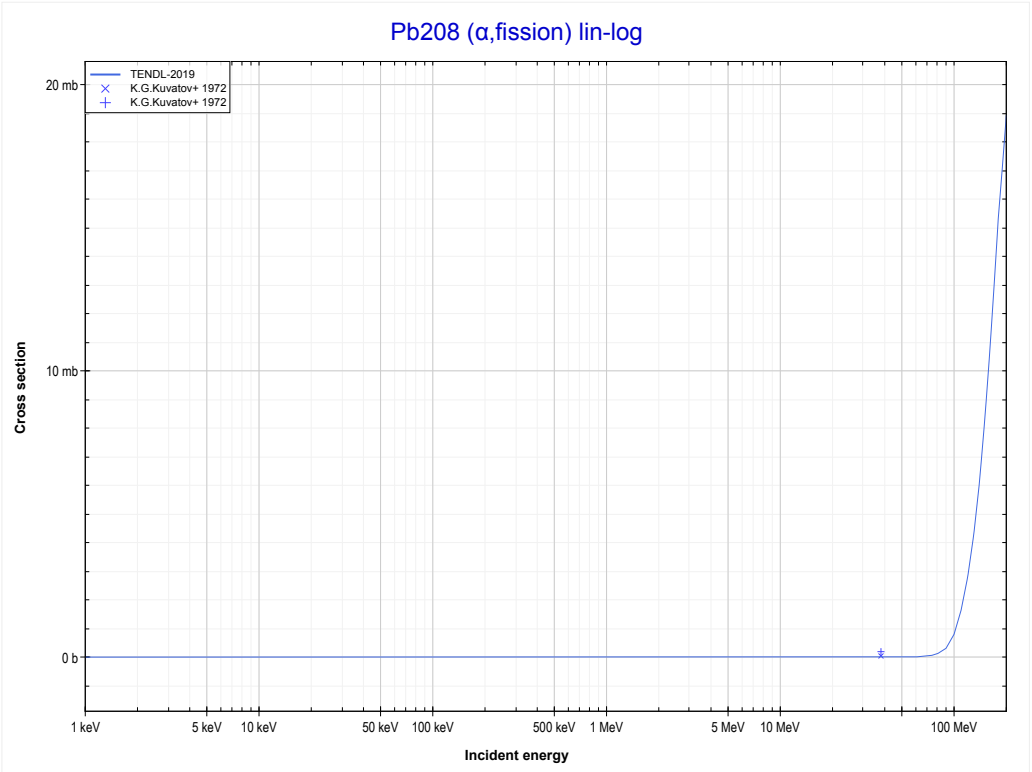
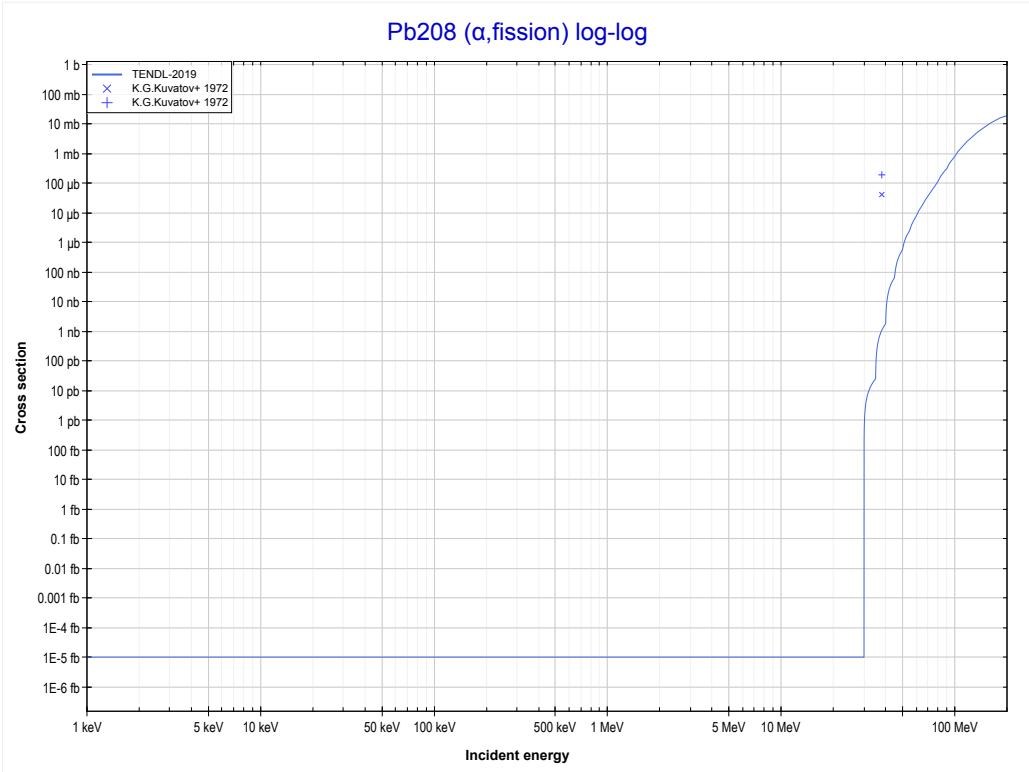
Reaction	Q-Value
Pb208(α,n)Po211	-14962.40 keV

<< 82-Pb-206	82-Pb-208	83-Bi-209 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Po210 production)	MT18 (α,fission) >>

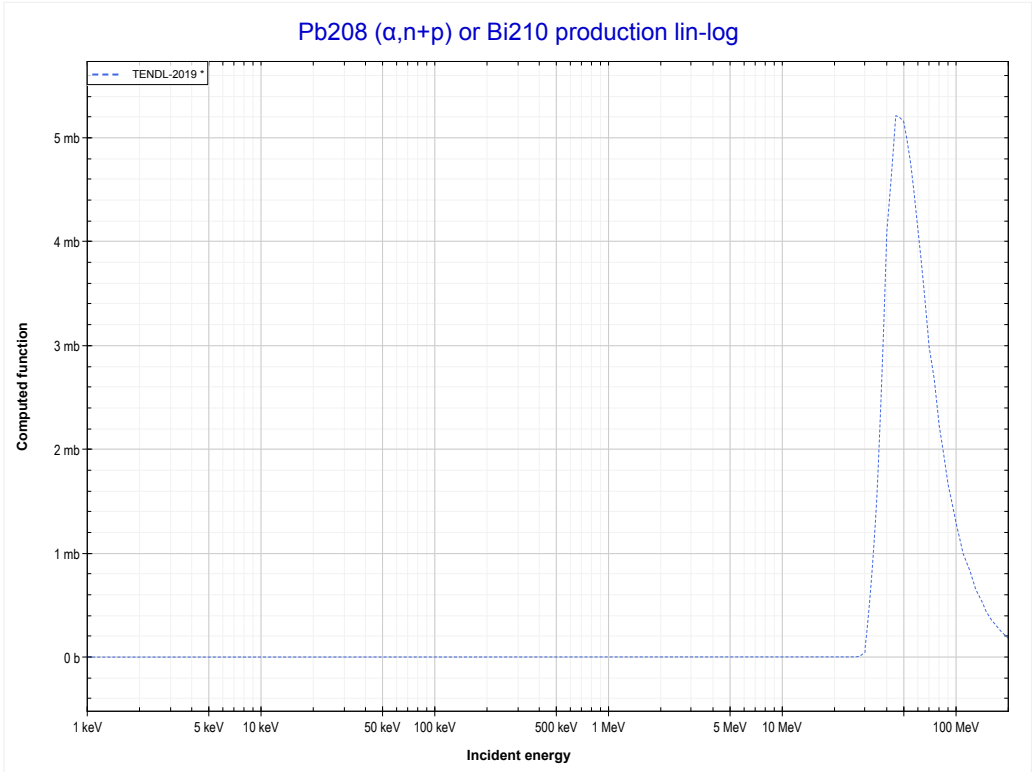
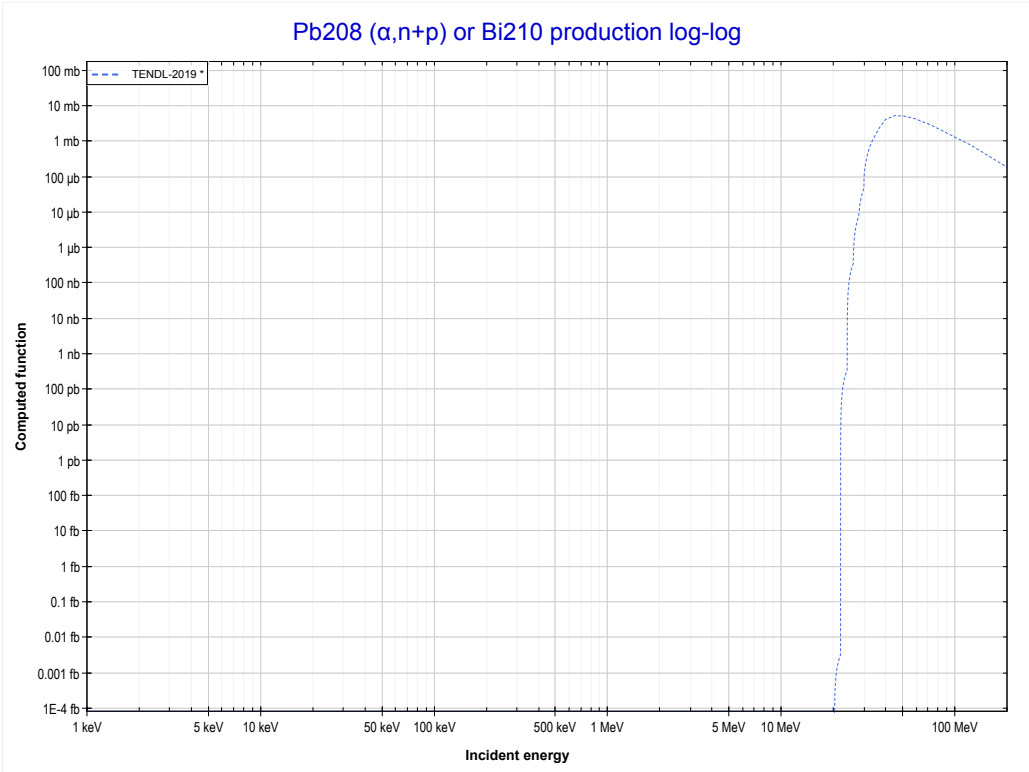


Reaction	Q-Value
Pb208(α,2n)Po210	-19513.22 keV

<< 82-Pb-207	82-Pb-208	83-Bi-209 >>
<< MT16 (α,2n)	MT18 (α,fission)	MT28 (α,n+p) >>

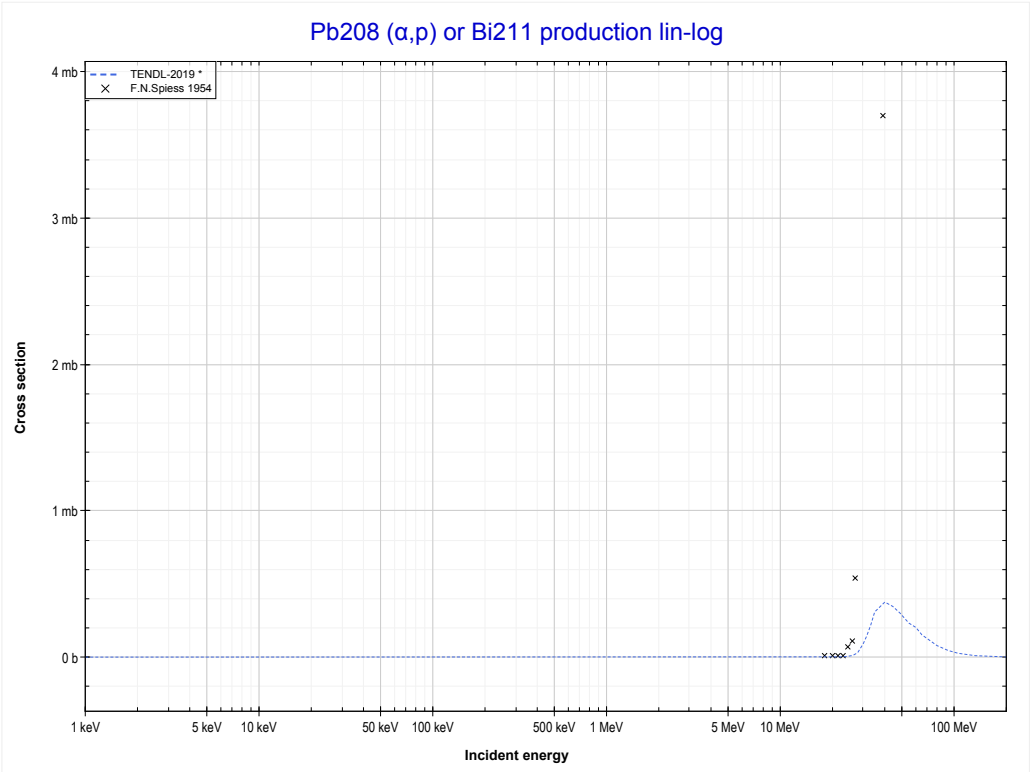
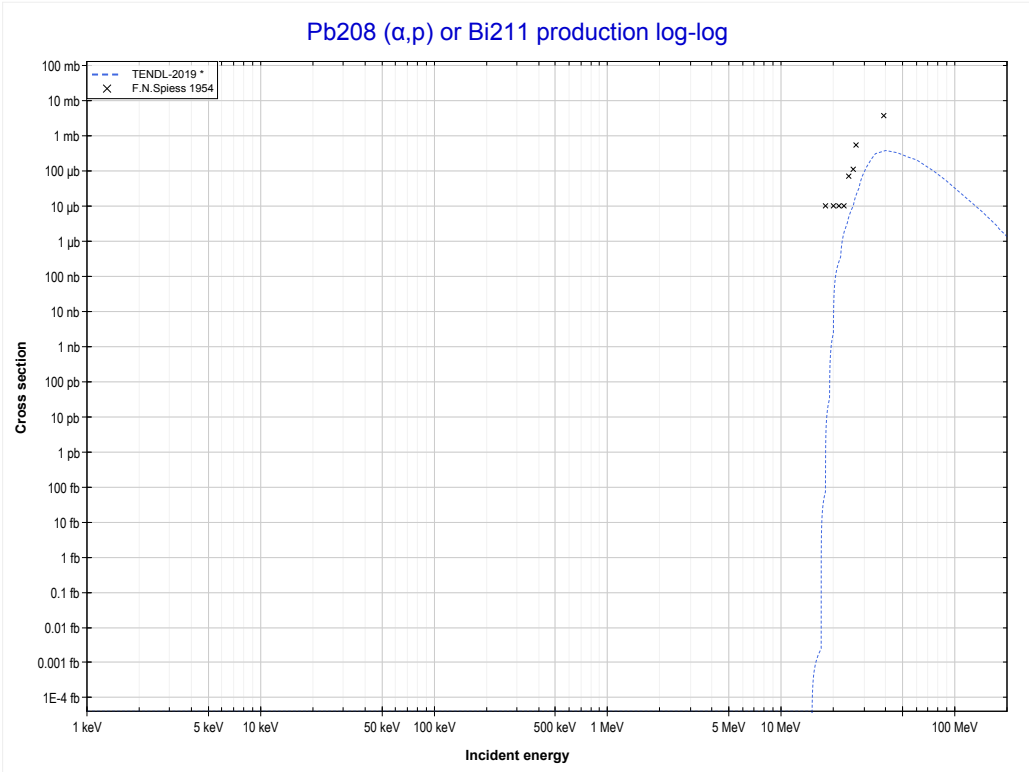


<< 76-Os-192	82-Pb-208	83-Bi-209 >>
<< MT18 (α,fission)	MT28 (α,n+p) or MT5 (Bi210 production)	MT103 (α,p) >>



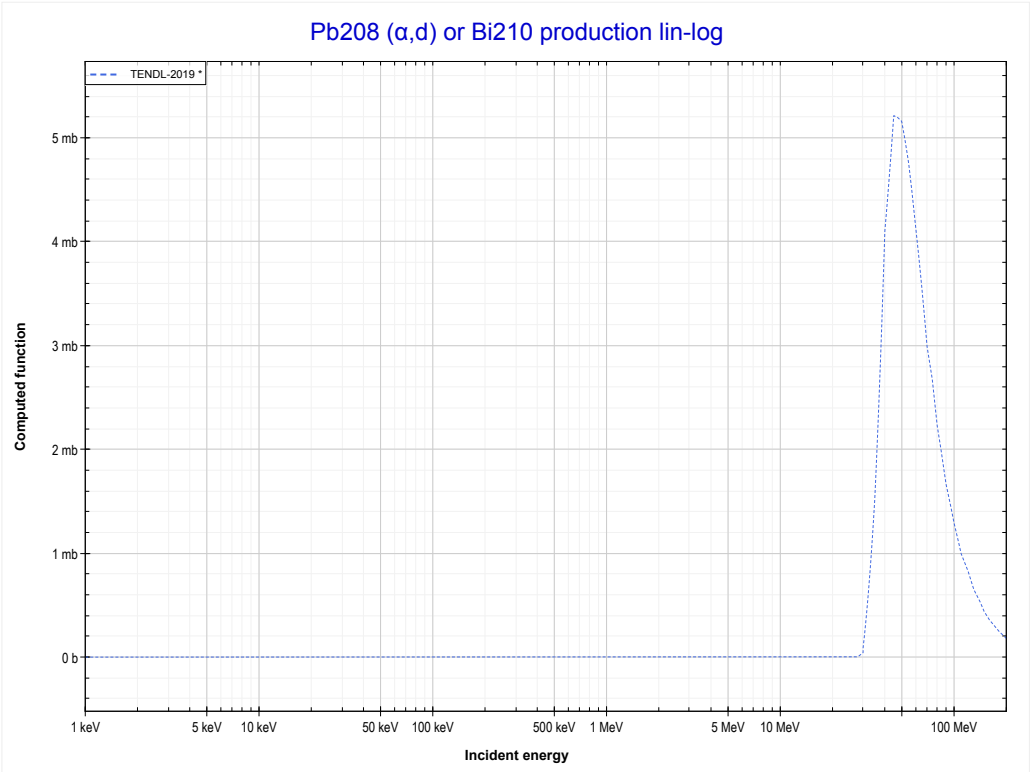
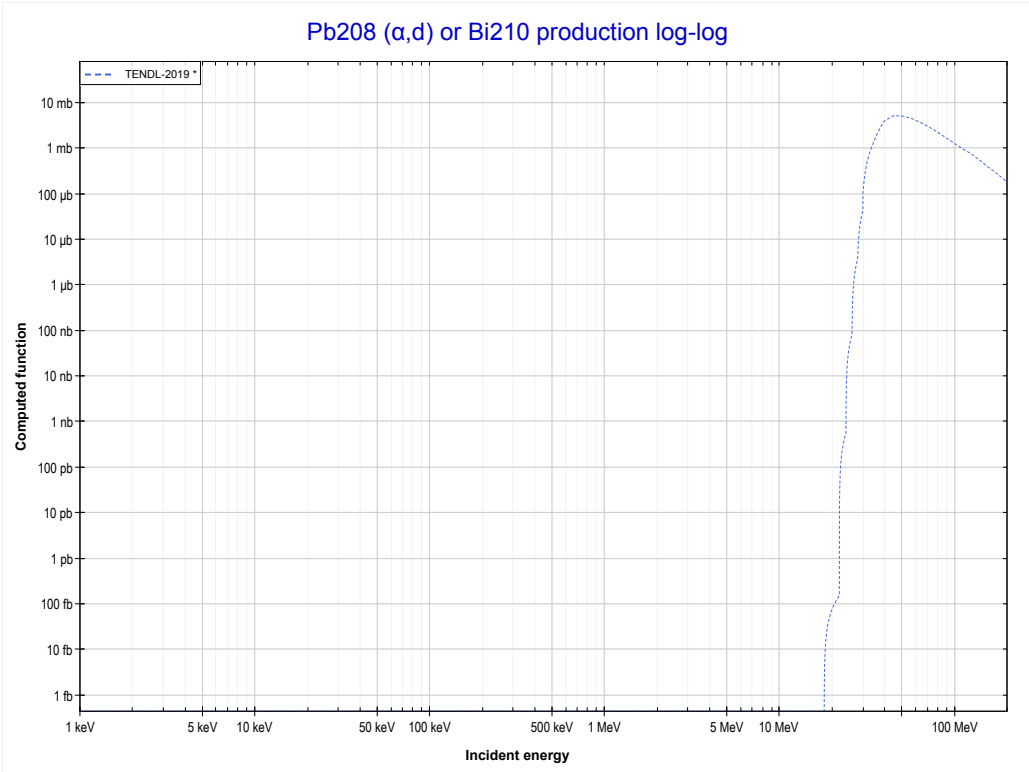
Reaction	Q-Value
Pb208(α,d)Bi210	-17667.41 keV
Pb208(α,n+p)Bi210	-19891.97 keV

<< 74-W-186	82-Pb-208	83-Bi-209 >>
<< MT28 (α ,n+p)	MT103 (α ,p) or MT5 (Bi211 production)	MT104 (α ,d) >>



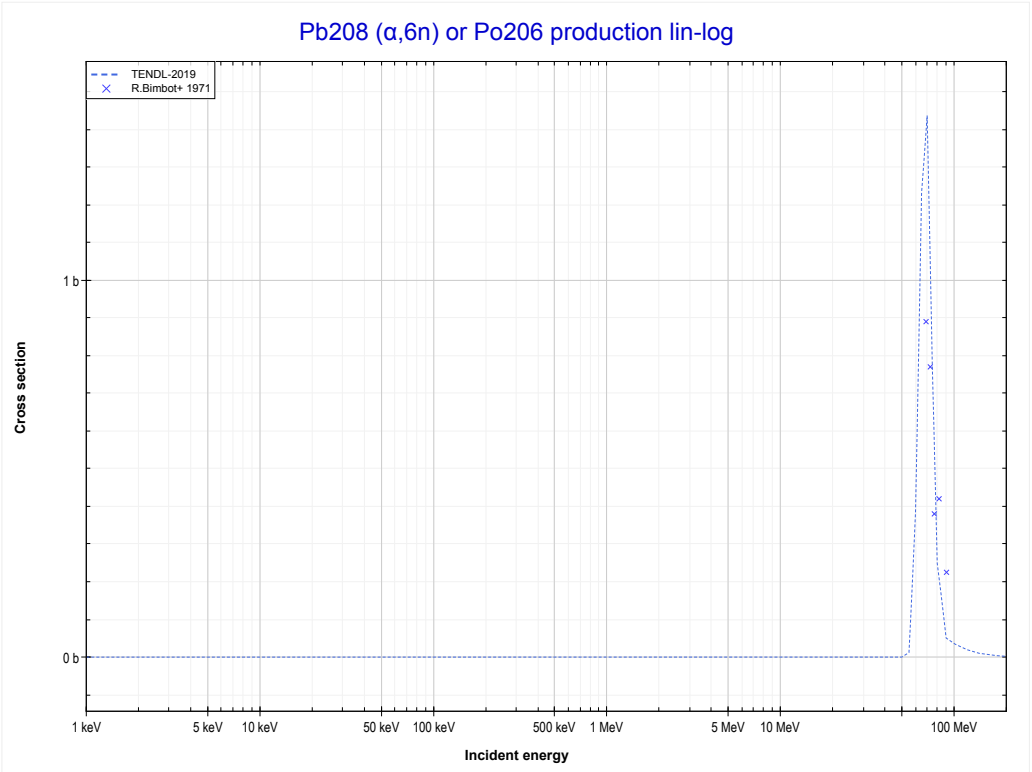
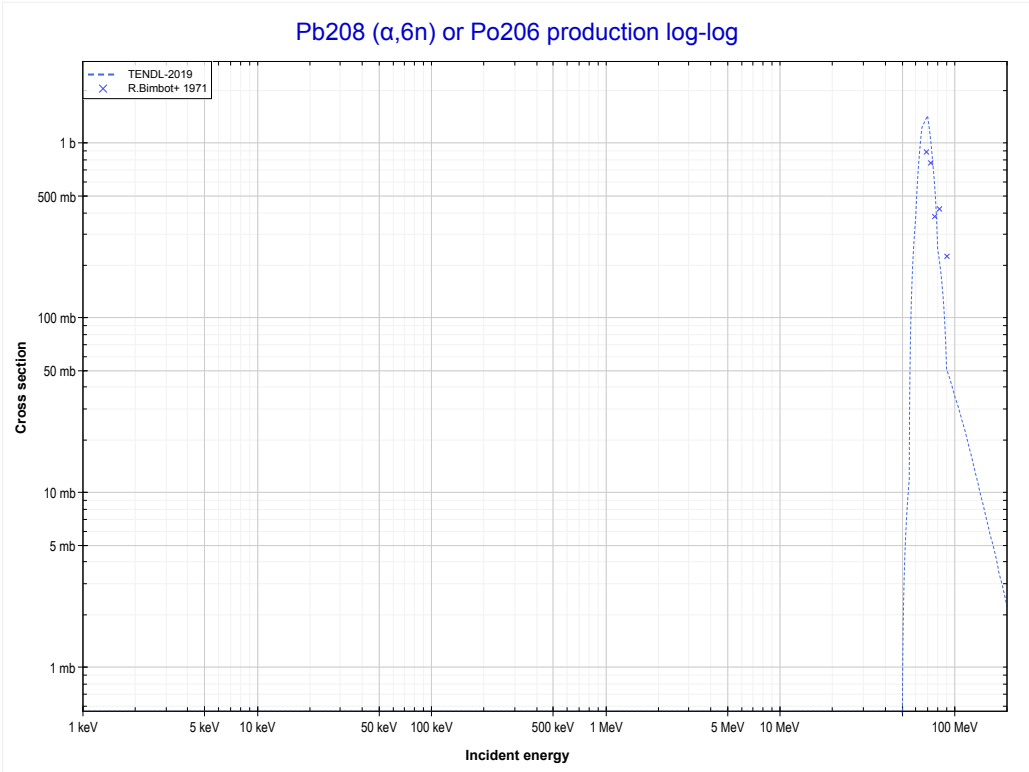
Reaction	Q-Value
Pb208(α ,p)Bi211	-14753.66 keV

<< 76-Os-192	82-Pb-208	92-U-233 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Bi210 production)	MT153 (α,6n) >>



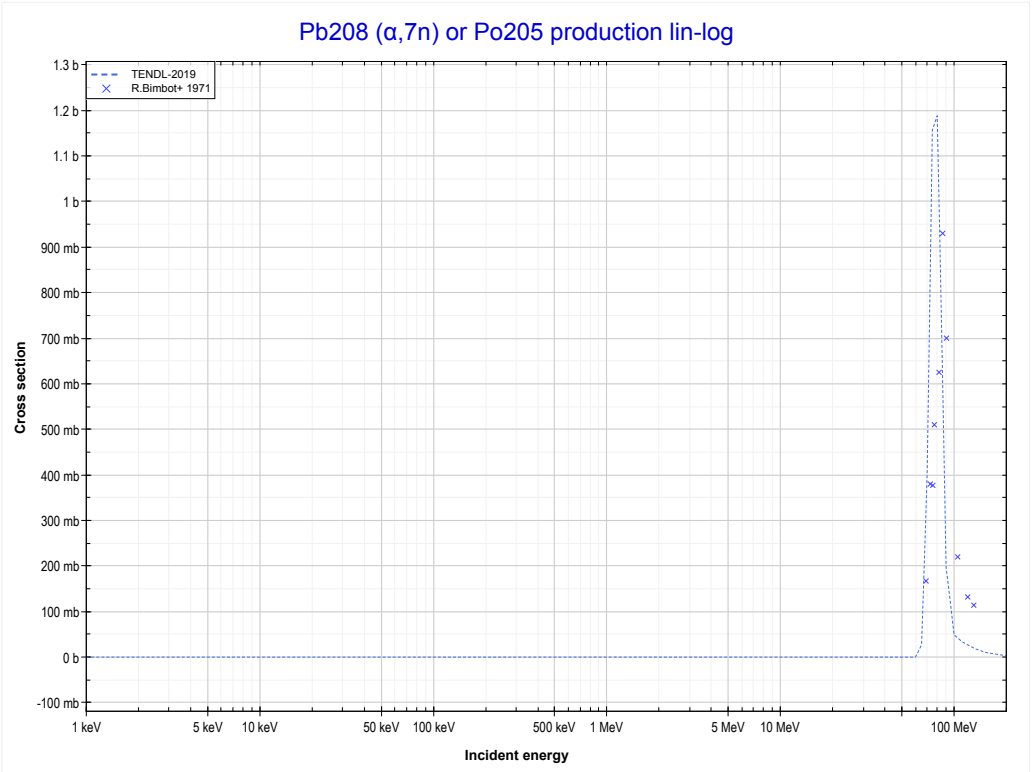
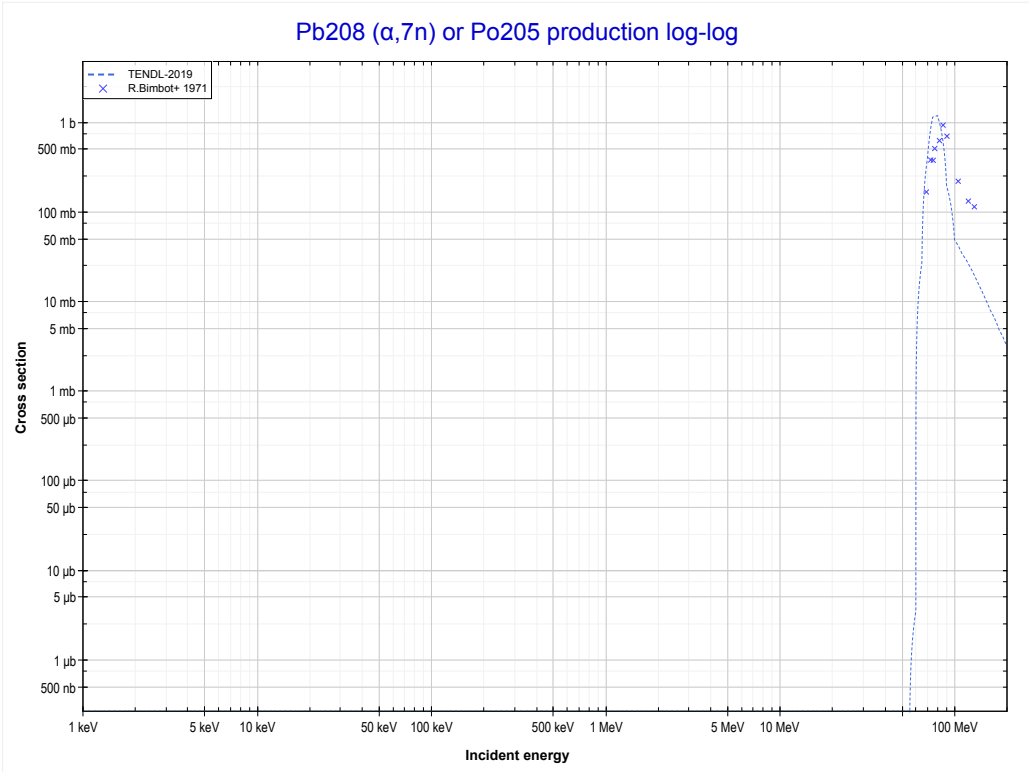
Reaction	Q-Value
Pb208(α,d)Bi210	-17667.41 keV
Pb208(α,n+p)Bi210	-19891.97 keV

<< 82-Pb-206	82-Pb-208	83-Bi-209 >>
<< MT104 (α,d)	MT153 (α,6n) or MT5 (Po206 production)	MT160 (α,7n) >>



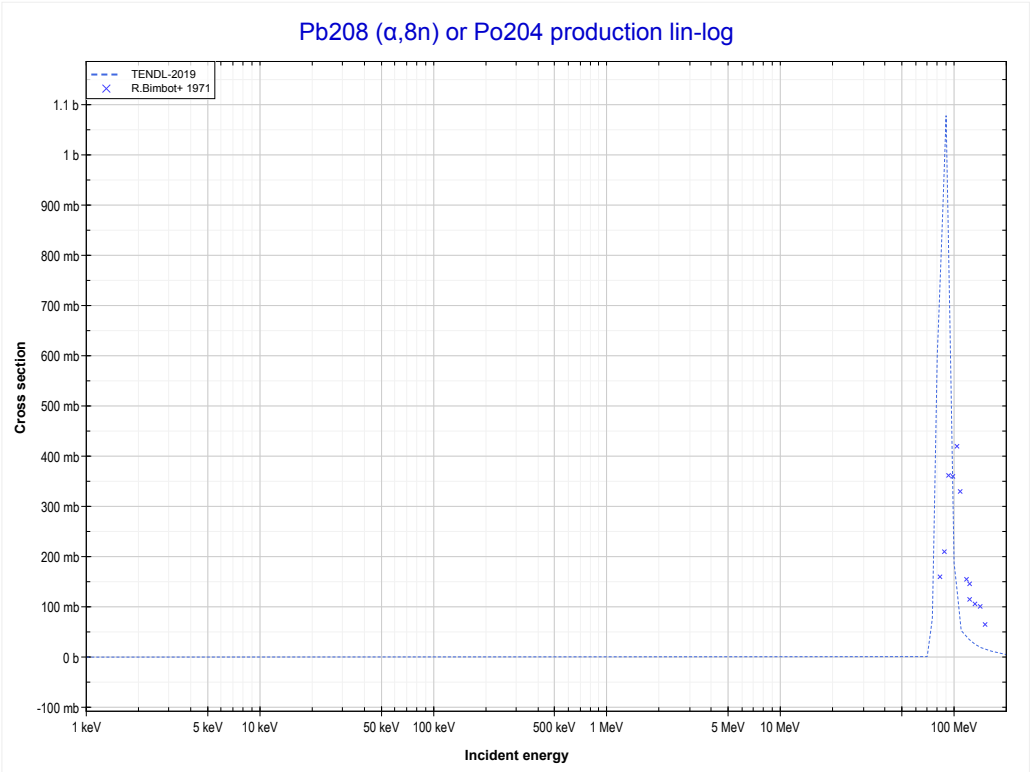
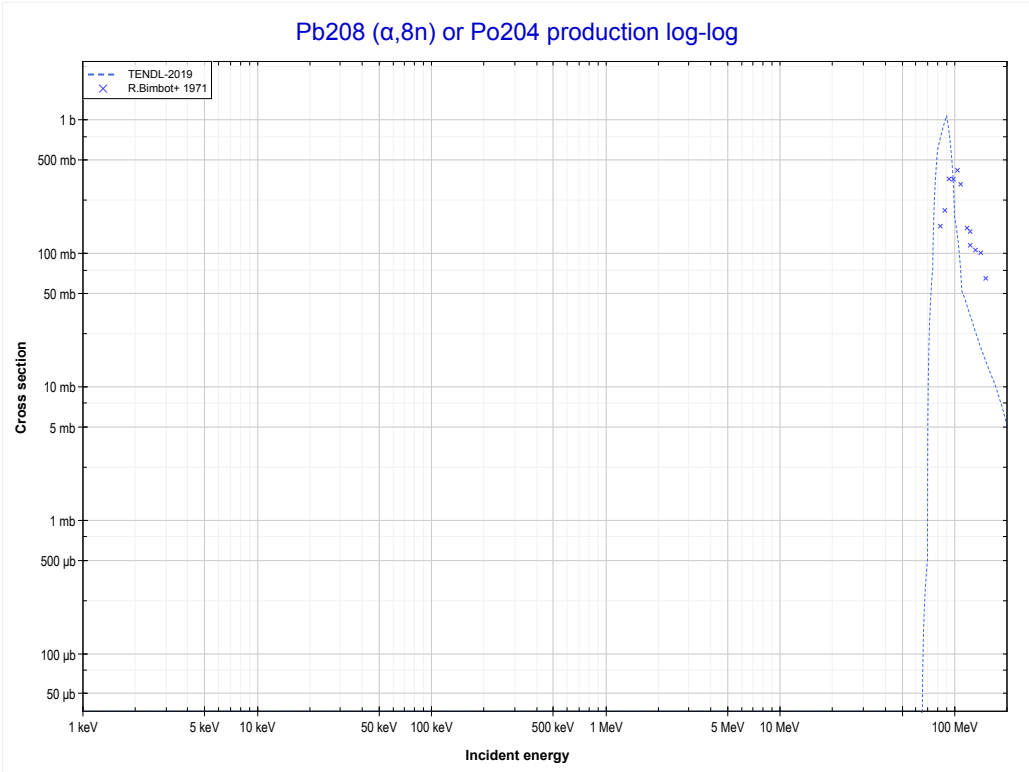
Reaction	Q-Value
Pb208(α,6n)Po206	-49562.59 keV

<< 82-Pb-206	82-Pb-208	90-Th-232 >>
<< MT153 (α,6n)	MT160 (α,7n) or MT5 (Po205 production)	MT161 (α,8n) >>



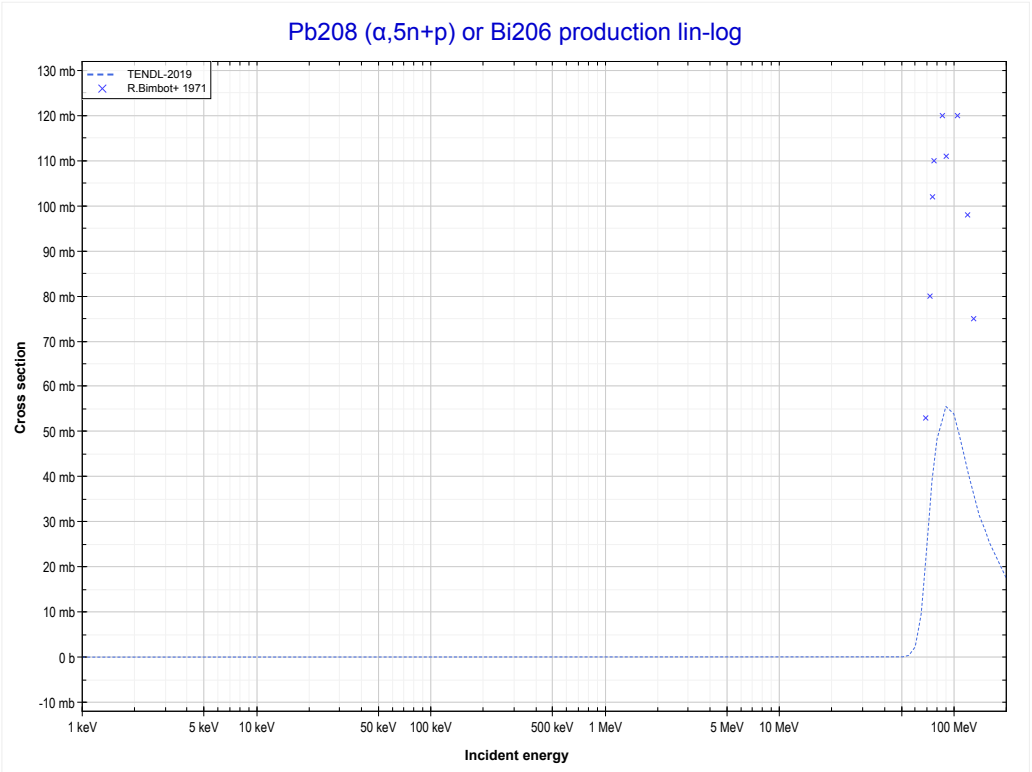
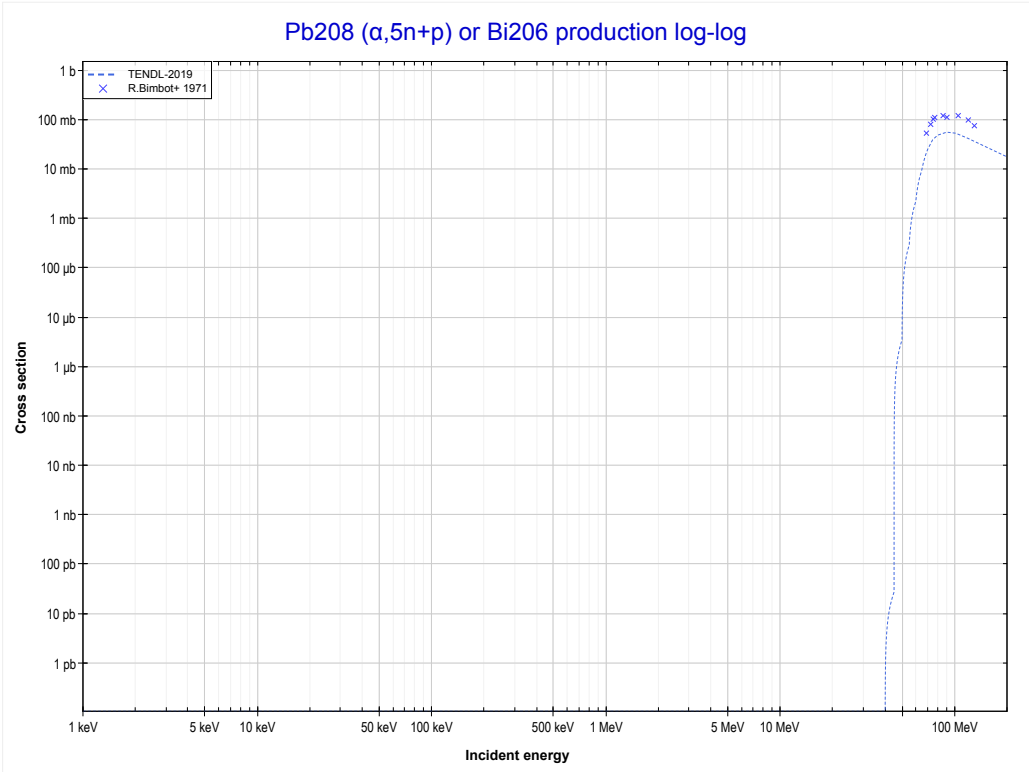
Reaction	Q-Value
Pb208(α,7n)Po205	-58301.90 keV

<< 82-Pb-206	82-Pb-208	83-Bi-209 >>
<< MT160 ($\alpha,7n$)	MT161 ($\alpha,8n$) or MT5 (Po204 production)	MT162 ($\alpha,5n+p$) >>



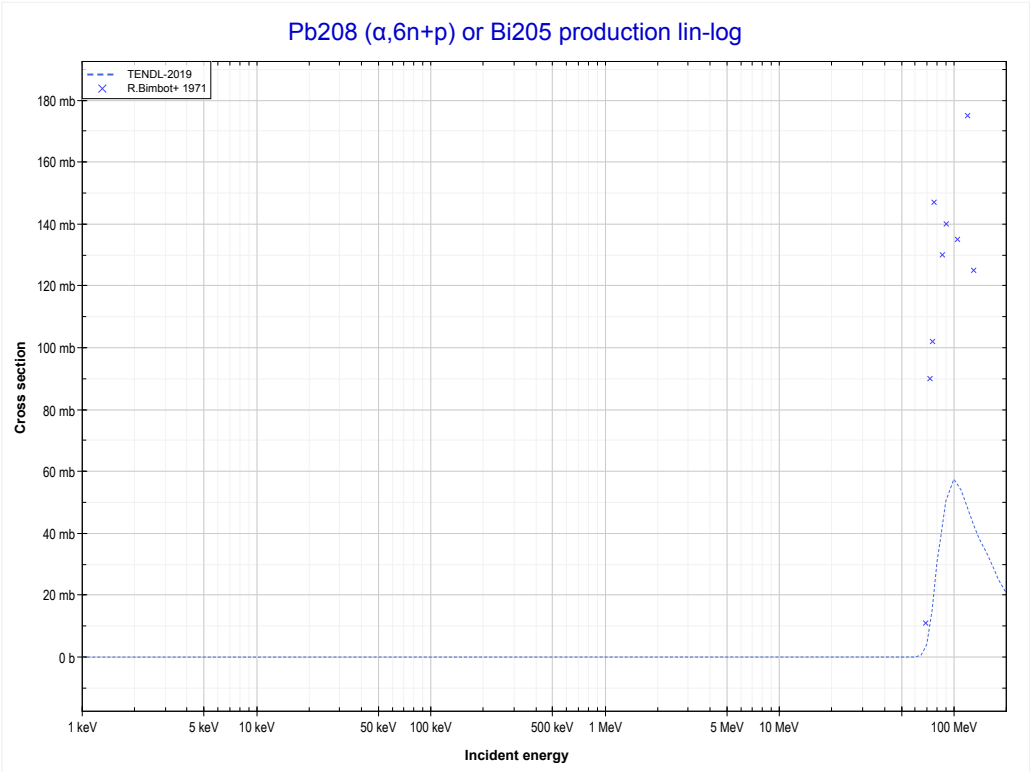
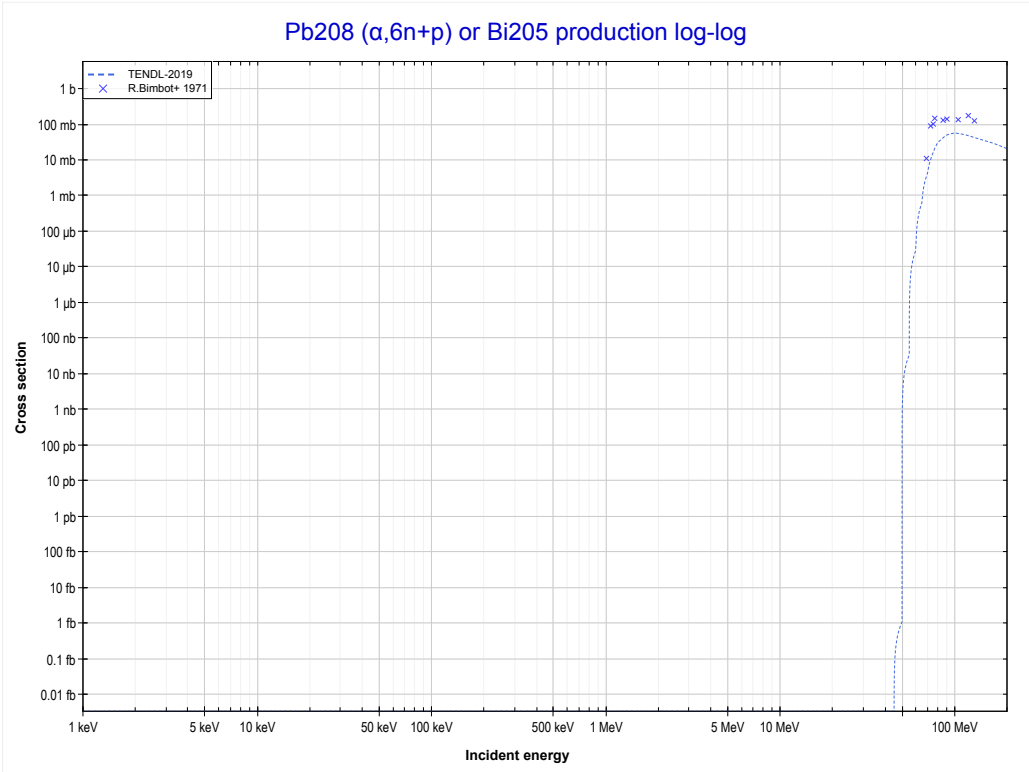
Reaction	Q-Value
Pb208($\alpha,8n$)Po204	-65553.22 keV

<< 82-Pb-206	82-Pb-208	
<< MT161 (α,8n)	MT162 (α,5n+p) or MT5 (Bi206 production)	MT163 (α,6n+p) >>



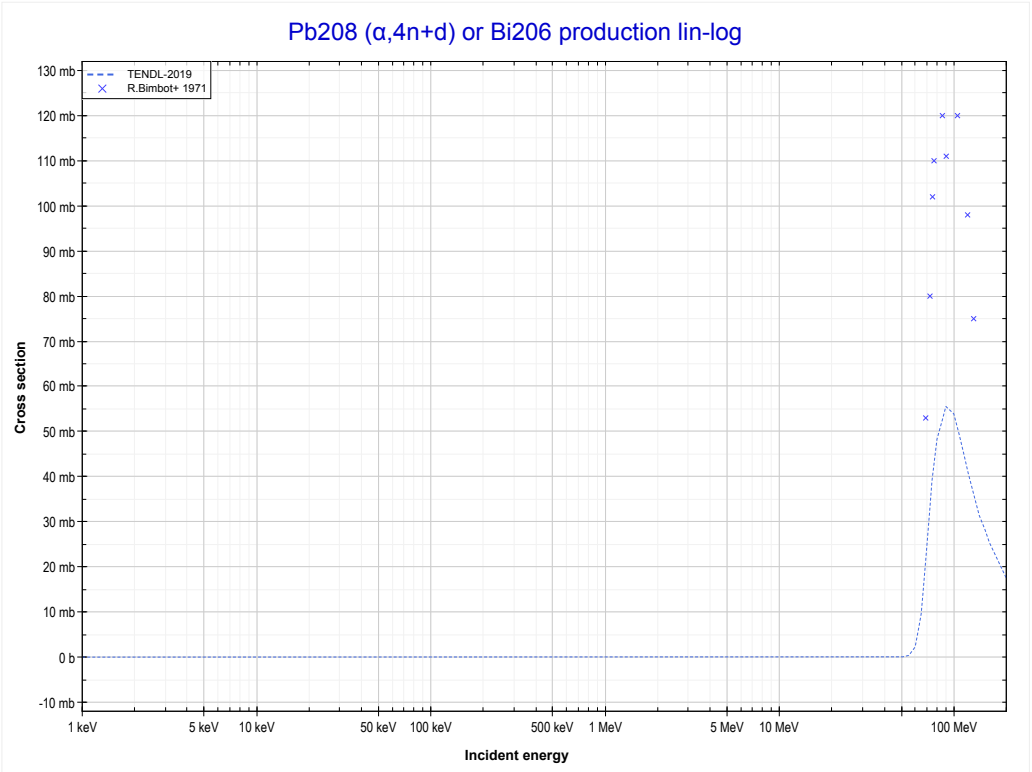
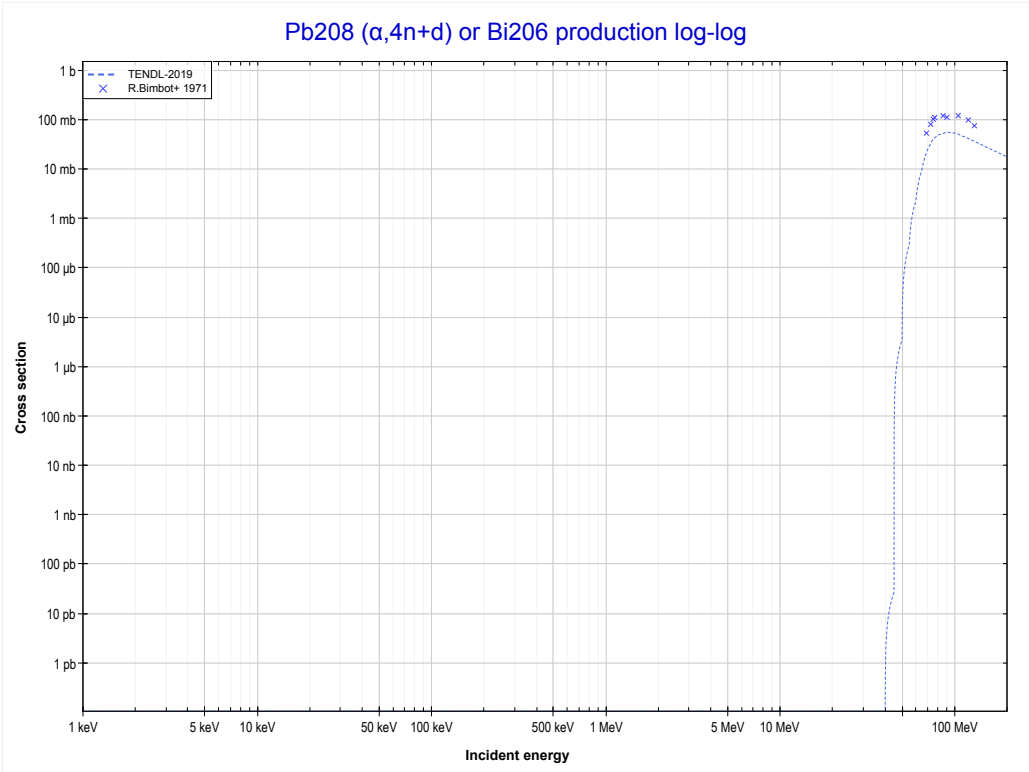
Reaction	Q-Value
Pb208(α,3n+t)Bi206	-38459.45 keV
Pb208(α,4n+d)Bi206	-44716.67 keV
Pb208(α,5n+p)Bi206	-46941.24 keV

<< 82-Pb-206	82-Pb-208	
<< MT162 ($\alpha,5n+p$)	MT163 ($\alpha,6n+p$) or MT5 (Bi205 production)	MT169 ($\alpha,4n+d$) >>



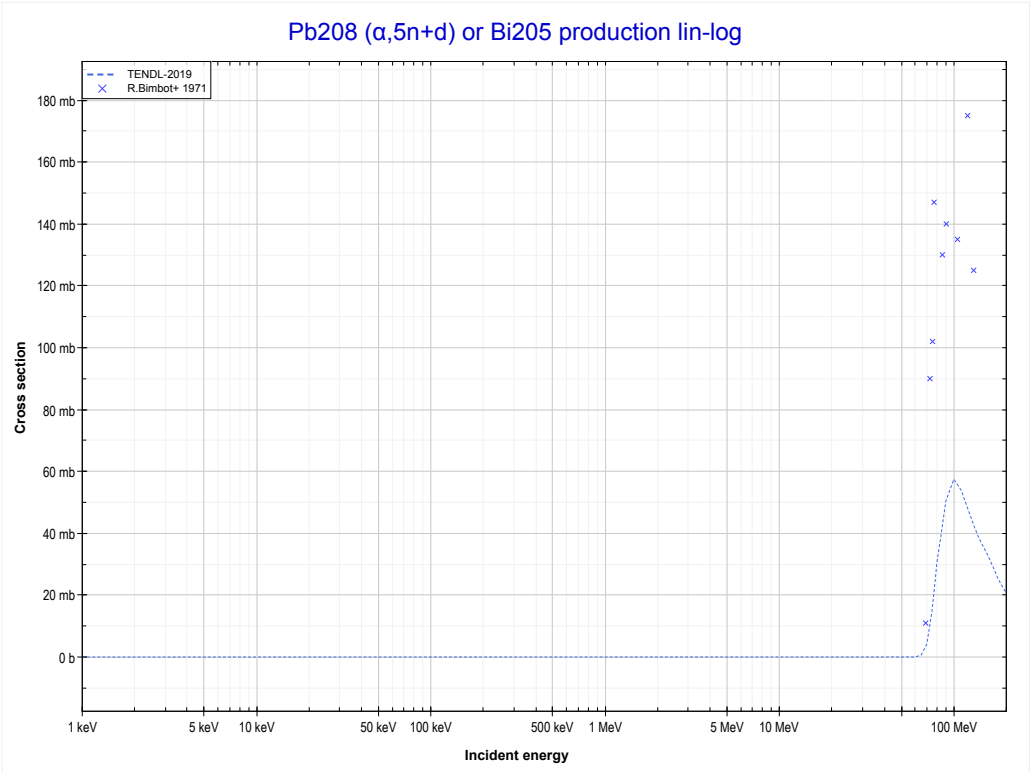
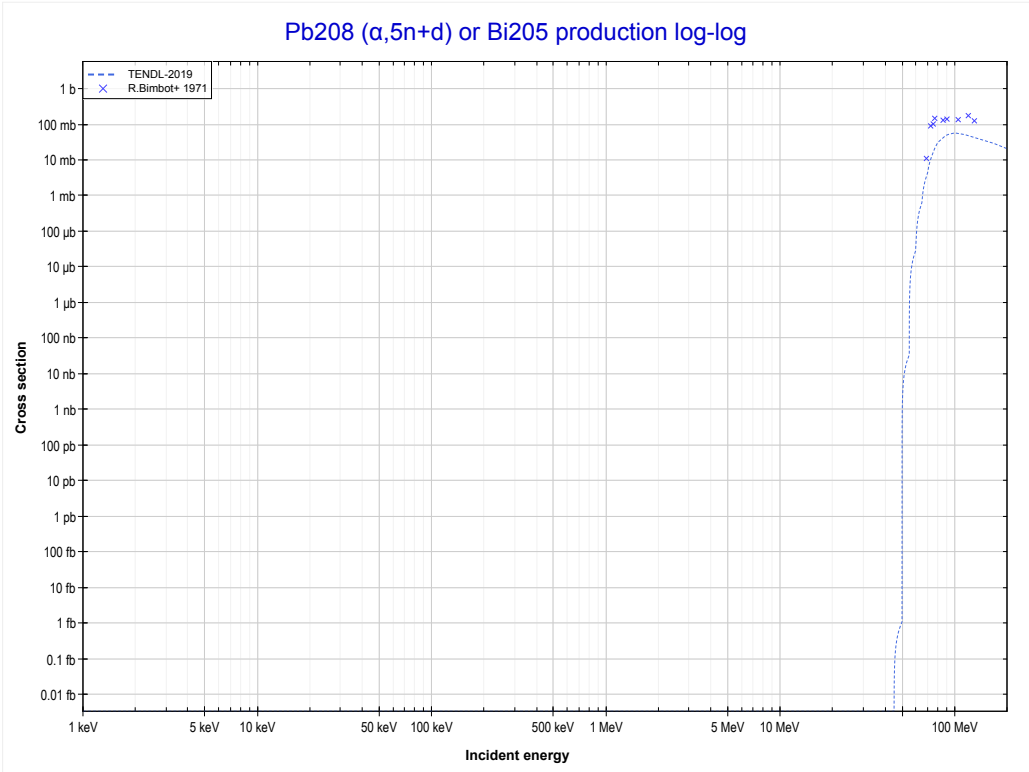
Reaction	Q-Value
Pb208($\alpha,4n+t$)Bi205	-45493.76 keV
Pb208($\alpha,5n+d$)Bi205	-51750.99 keV
Pb208($\alpha,6n+p$)Bi205	-53975.56 keV

<< 82-Pb-206	82-Pb-208	
<< MT163 (α,6n+p)	MT169 (α,4n+d) or MT5 (Bi206 production)	MT170 (α,5n+d) >>



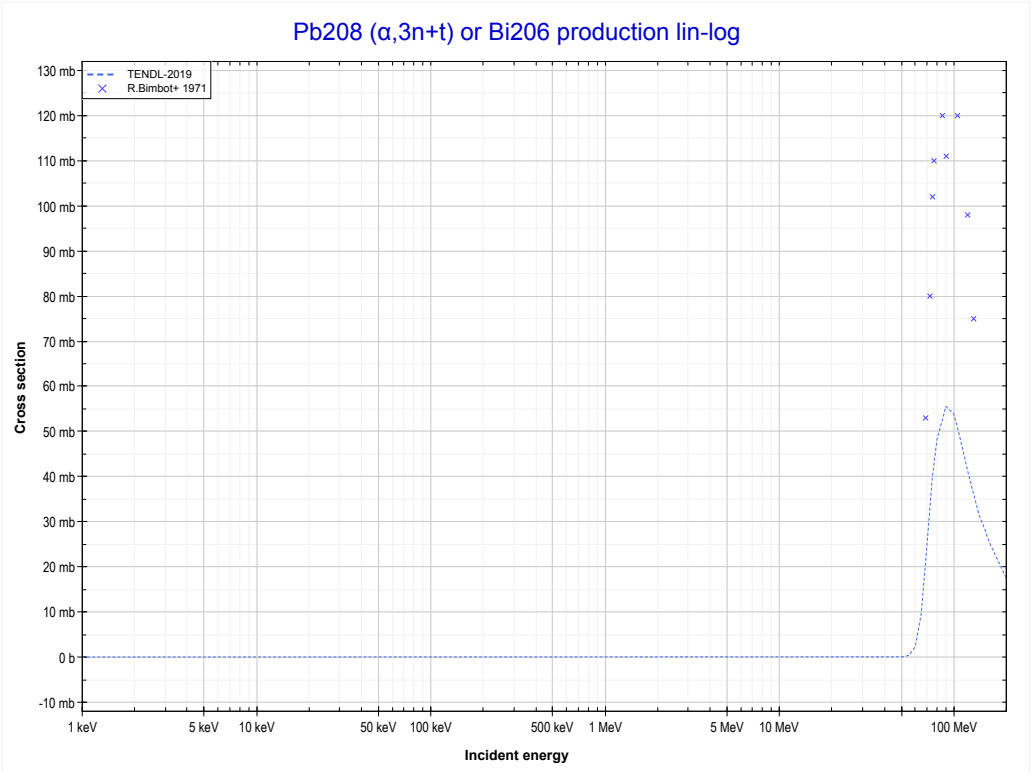
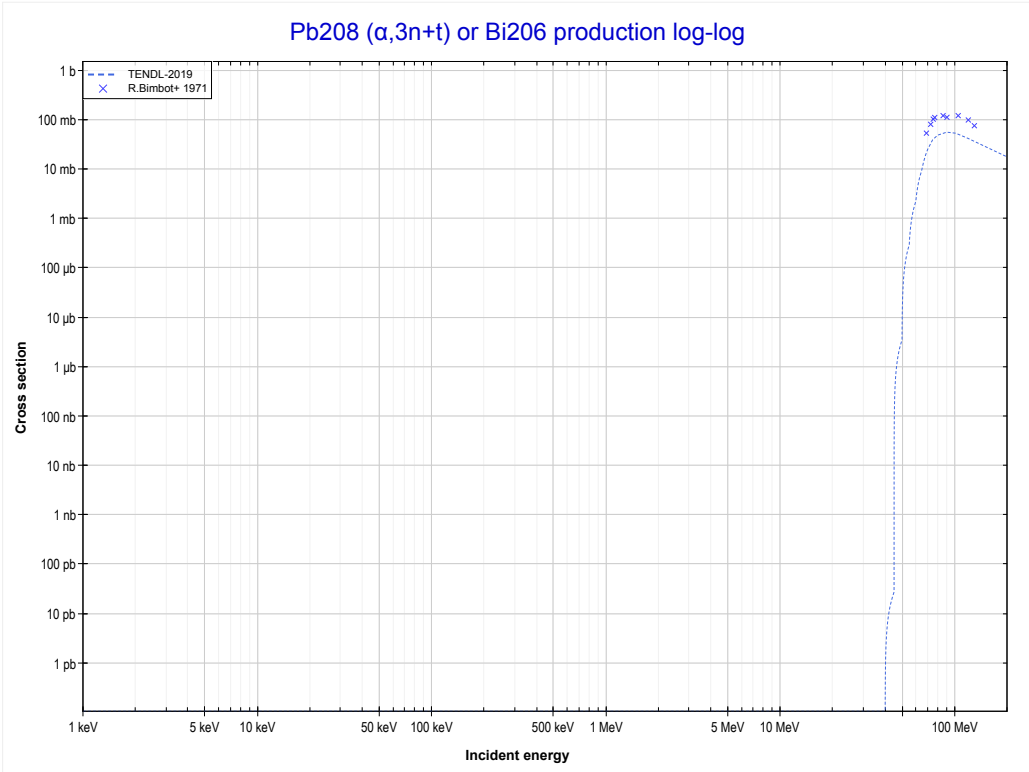
Reaction	Q-Value
Pb208(α,3n+t)Bi206	-38459.45 keV
Pb208(α,4n+d)Bi206	-44716.67 keV
Pb208(α,5n+p)Bi206	-46941.24 keV

<< 82-Pb-206	82-Pb-208	
<< MT169 ($\alpha,4n+d$)	MT170 ($\alpha,5n+d$) or MT5 (Bi205 production)	MT172 ($\alpha,3n+t$) >>



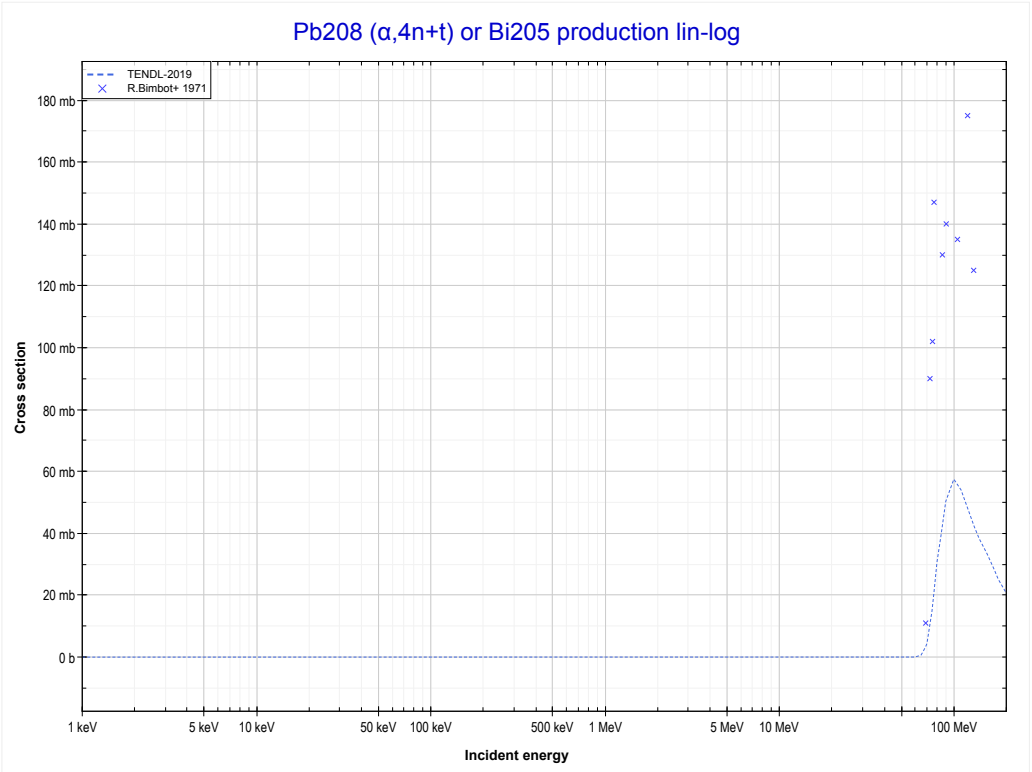
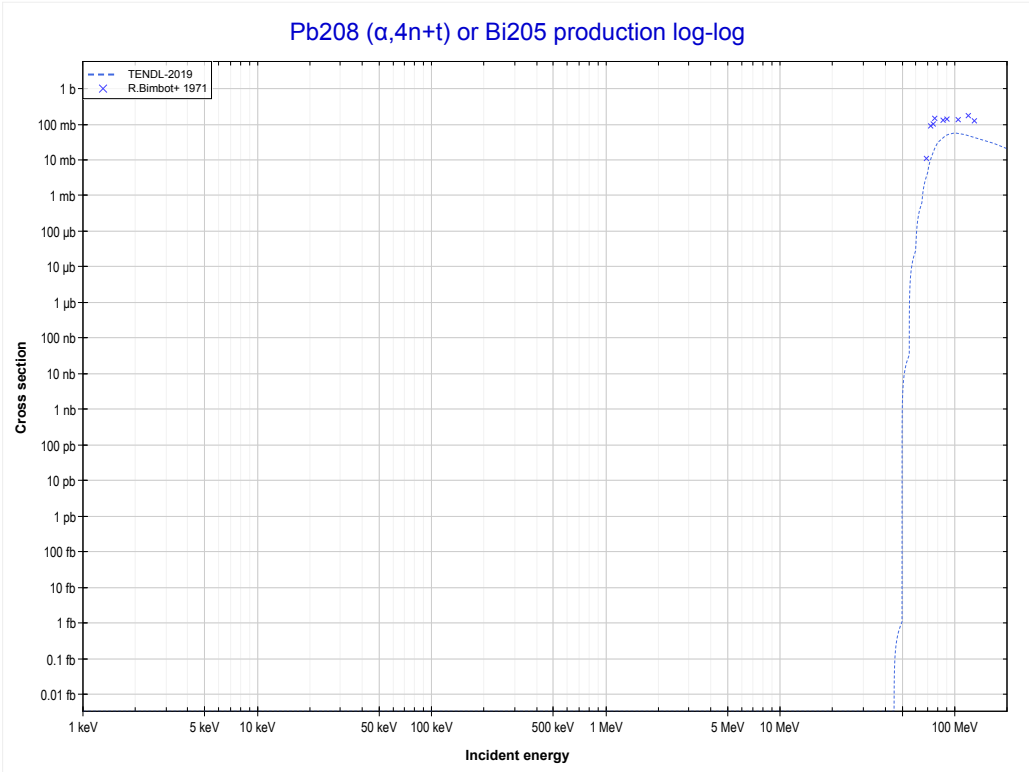
Reaction	Q-Value
Pb208($\alpha,4n+t$)Bi205	-45493.76 keV
Pb208($\alpha,5n+d$)Bi205	-51750.99 keV
Pb208($\alpha,6n+p$)Bi205	-53975.56 keV

<< 82-Pb-206	82-Pb-208	
<< MT170 ($\alpha,5n+d$)	MT172 ($\alpha,3n+t$) or MT5 (Bi206 production)	MT173 ($\alpha,4n+t$) >>



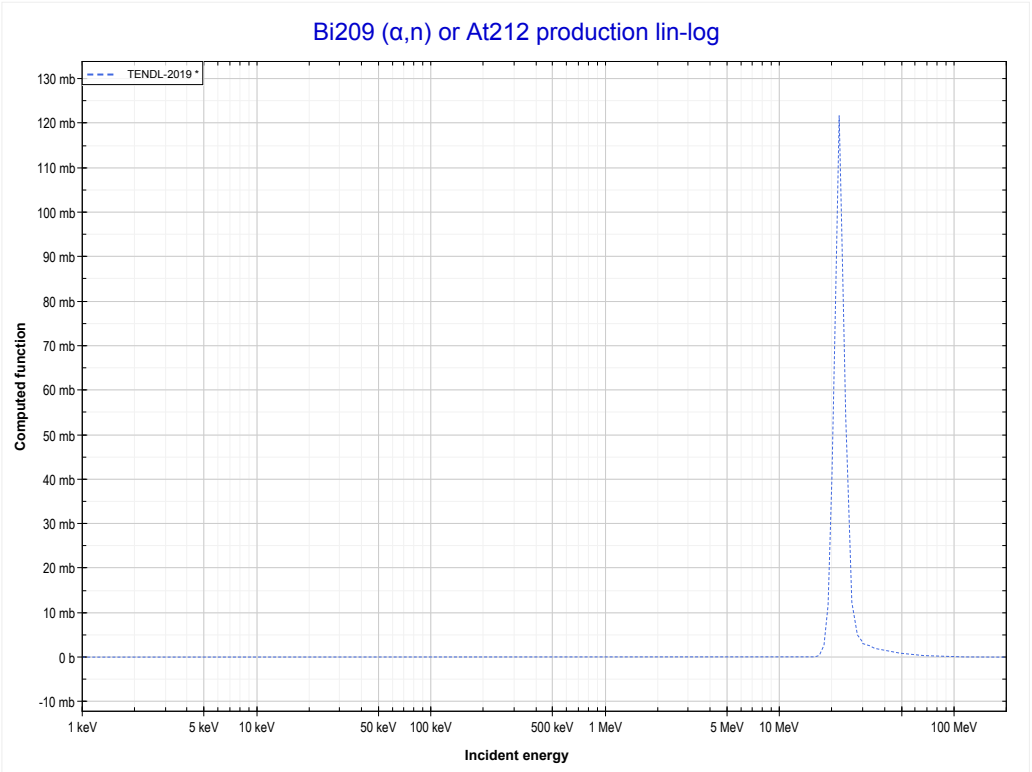
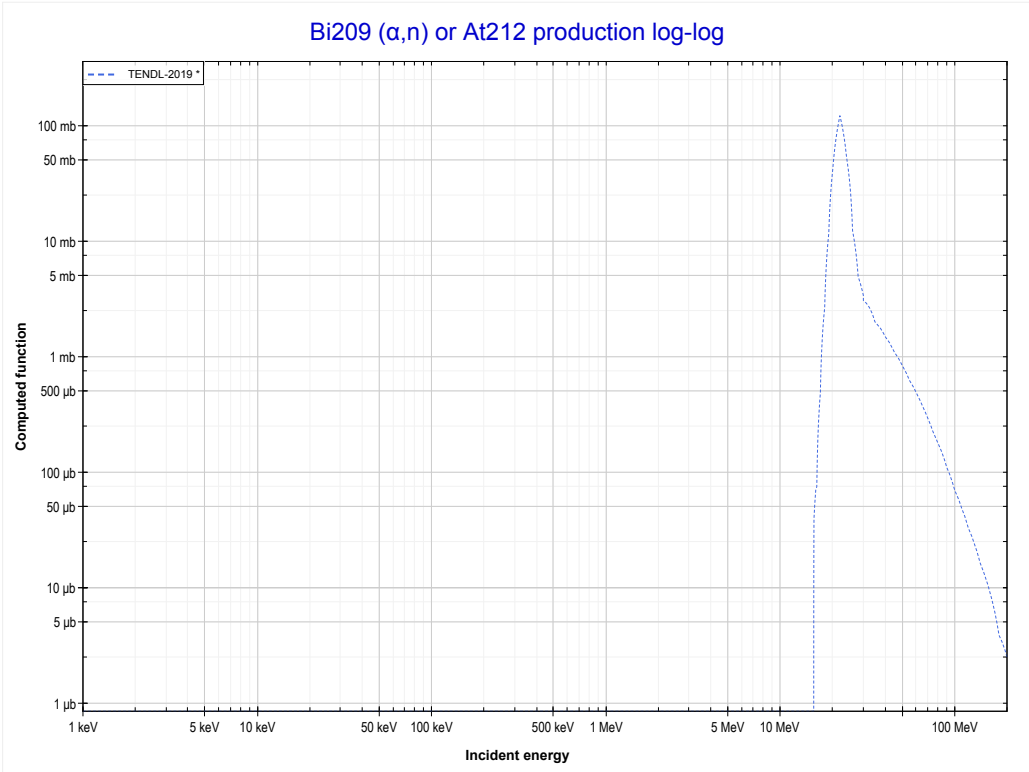
Reaction	Q-Value
Pb208($\alpha,3n+t$)Bi206	-38459.45 keV
Pb208($\alpha,4n+d$)Bi206	-44716.67 keV
Pb208($\alpha,5n+p$)Bi206	-46941.24 keV

<< 82-Pb-206	82-Pb-208	
<< MT172 ($\alpha,3n+t$)	MT173 ($\alpha,4n+t$) or MT5 (Bi205 production)	83-Bi-209 MT4 (α,n) >>



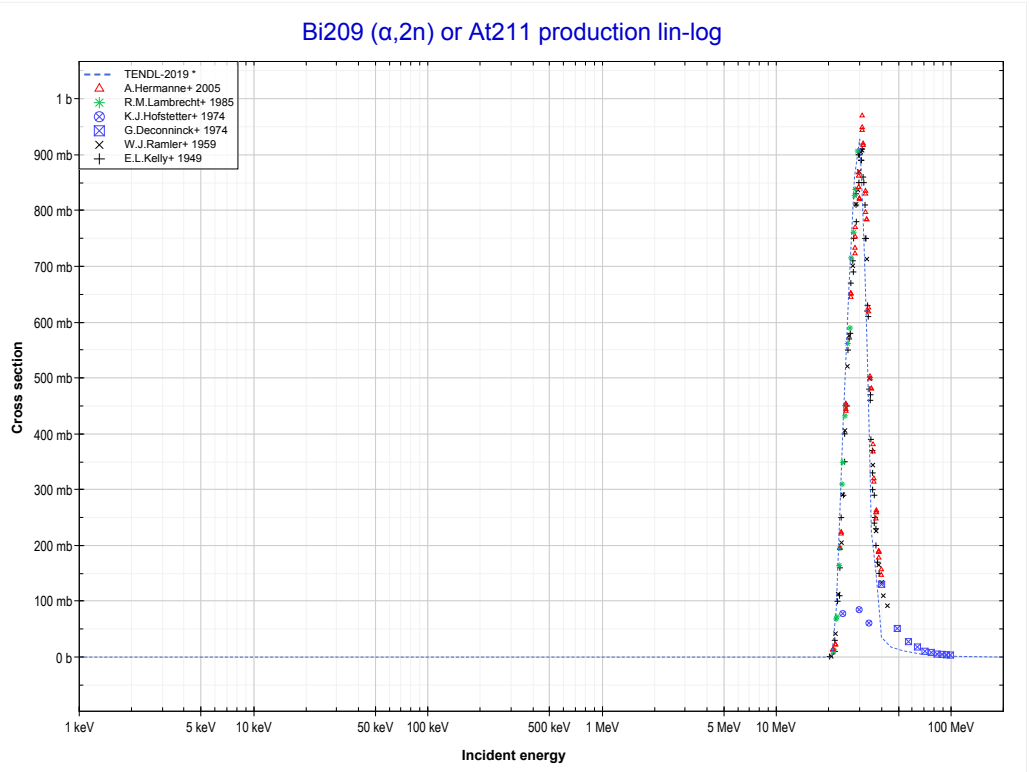
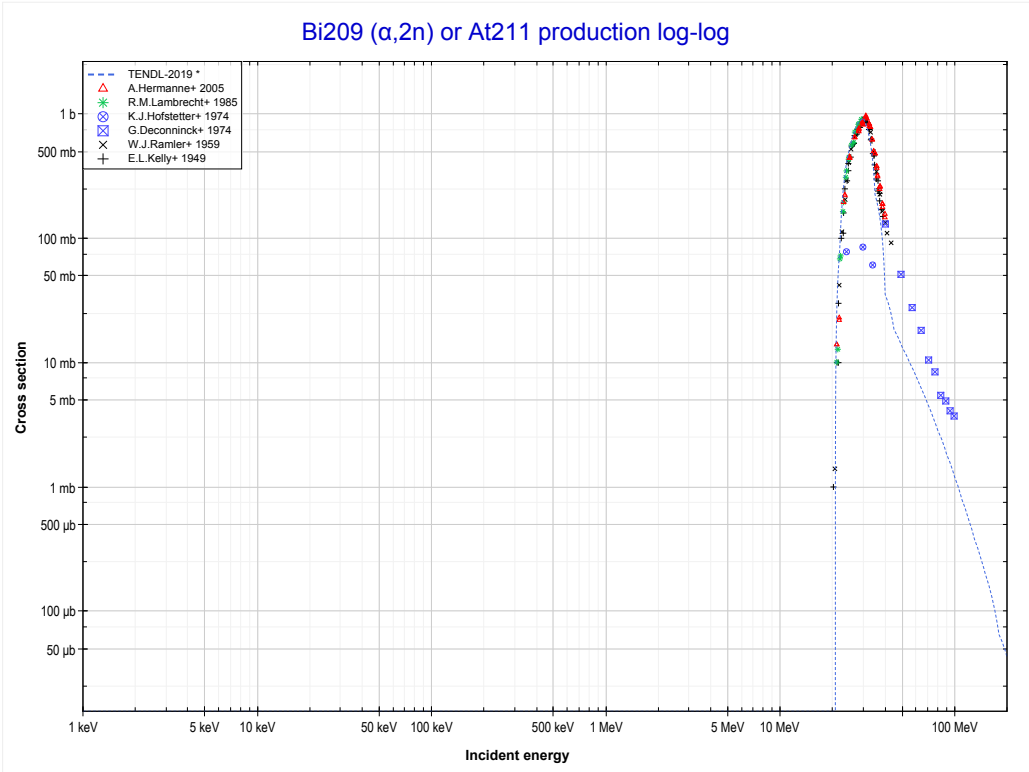
Reaction	Q-Value
Pb208($\alpha,4n+t$)Bi205	-45493.76 keV
Pb208($\alpha,5n+d$)Bi205	-51750.99 keV
Pb208($\alpha,6n+p$)Bi205	-53975.56 keV

<< 82-Pb-208	83-Bi-209	92-U-233 >>
<< 82-Pb-208 MT173 ($\alpha,4n+t$)	MT4 (α,n) or MT5 (At212 production)	MT16 ($\alpha,2n$) >>



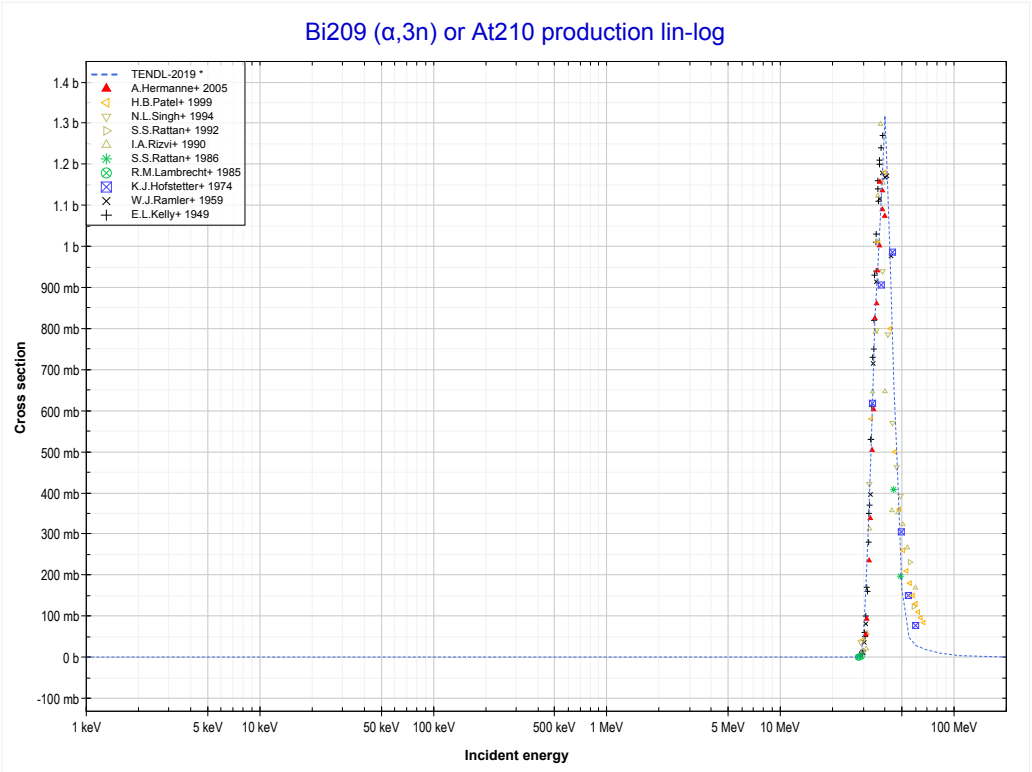
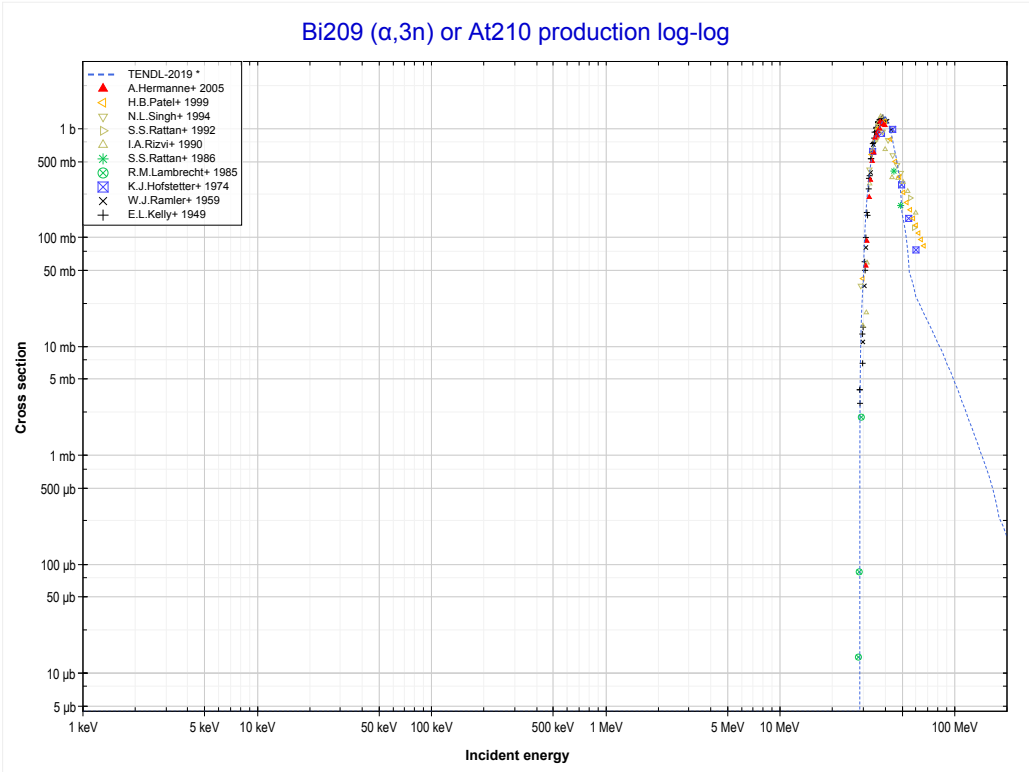
Reaction	Q-Value
Bi209(α,n)At212	-15276.90 keV

<< 82-Pb-208	83-Bi-209	92-U-233 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (At211 production)	MT17 (α,3n) >>



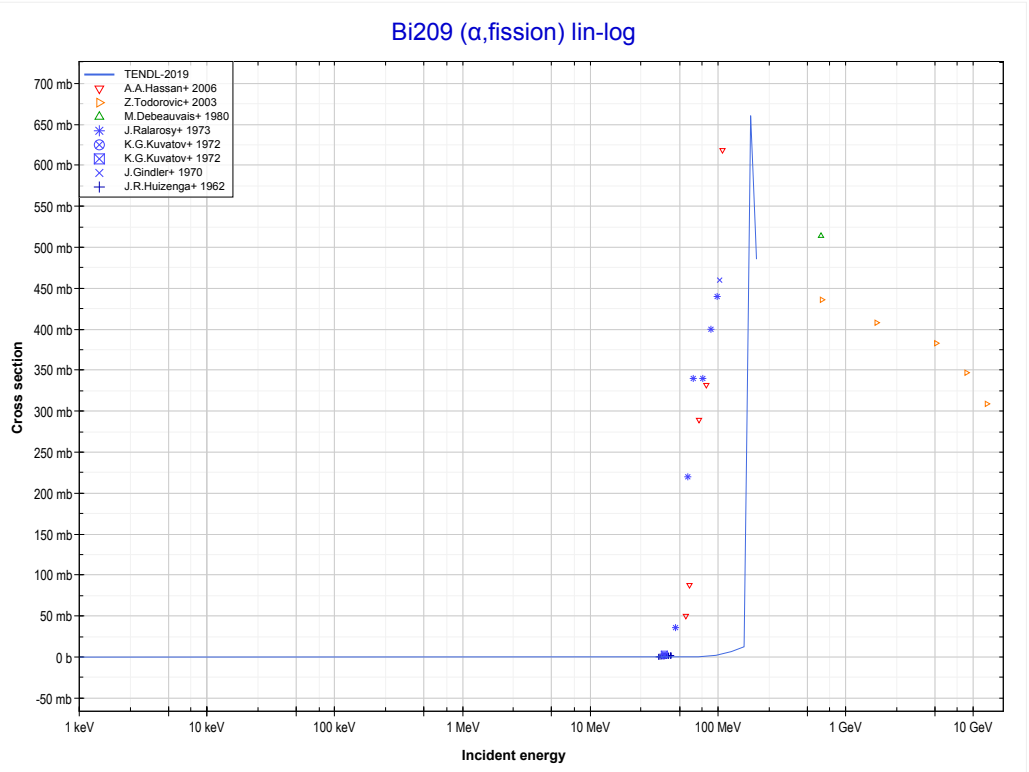
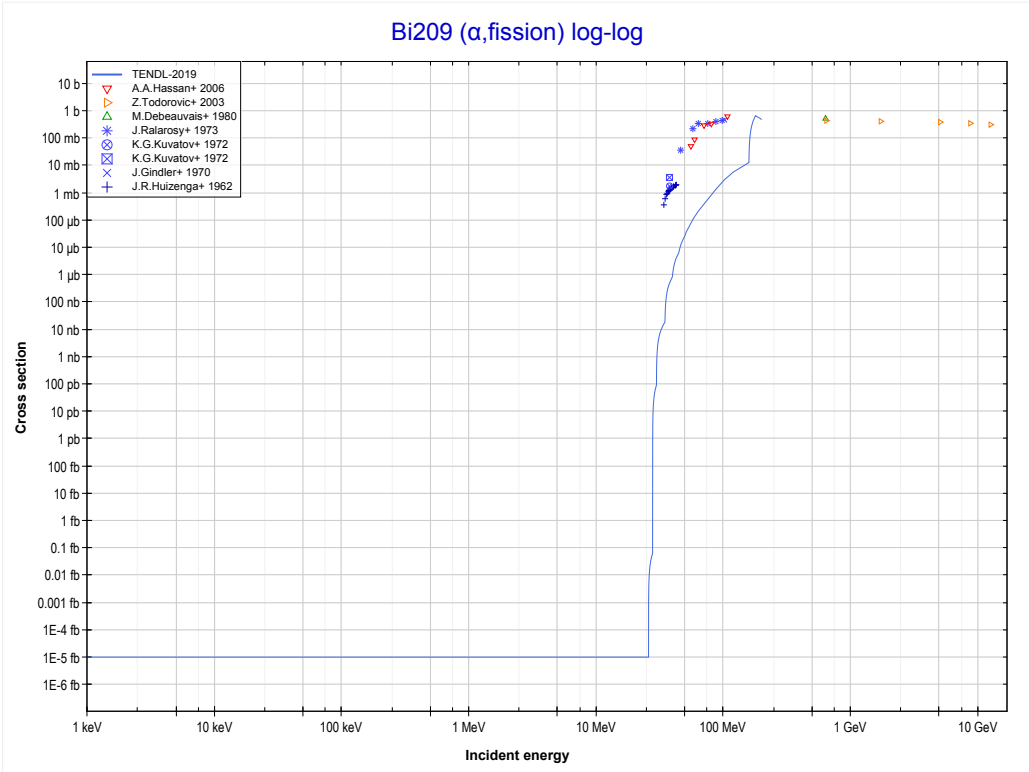
Reaction	Q-Value
Bi209(α,2n)At211	-20329.12 keV

<< 82-Pb-206	83-Bi-209	92-U-233 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (At210 production)	MT18 (α ,fission) >>

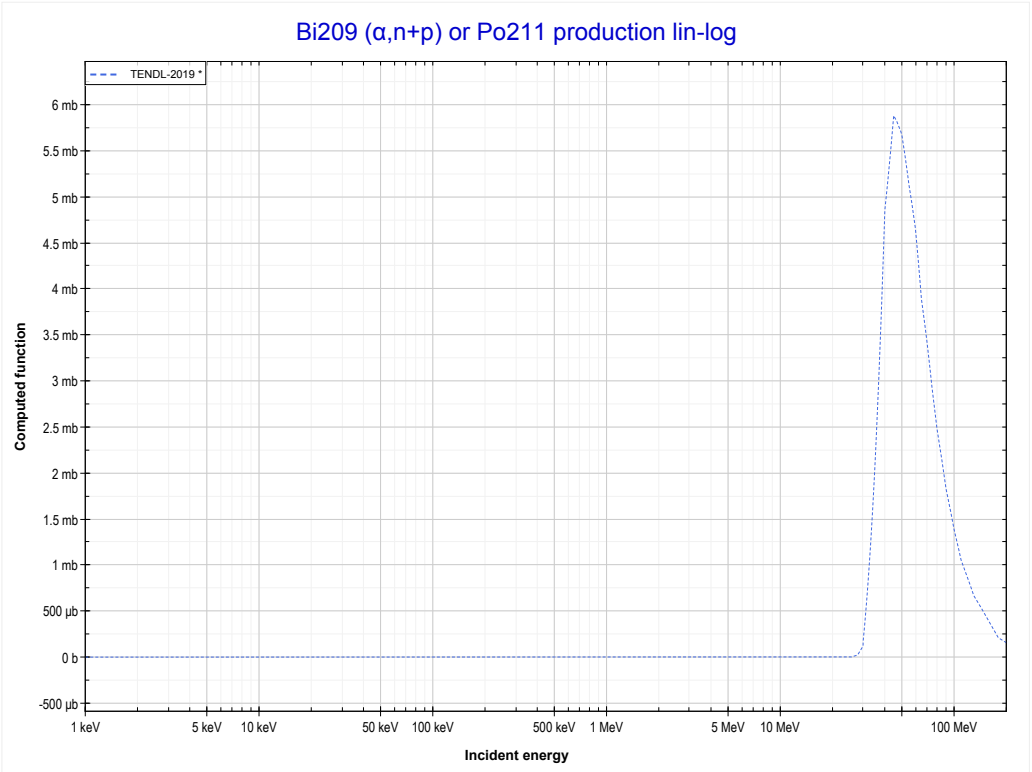
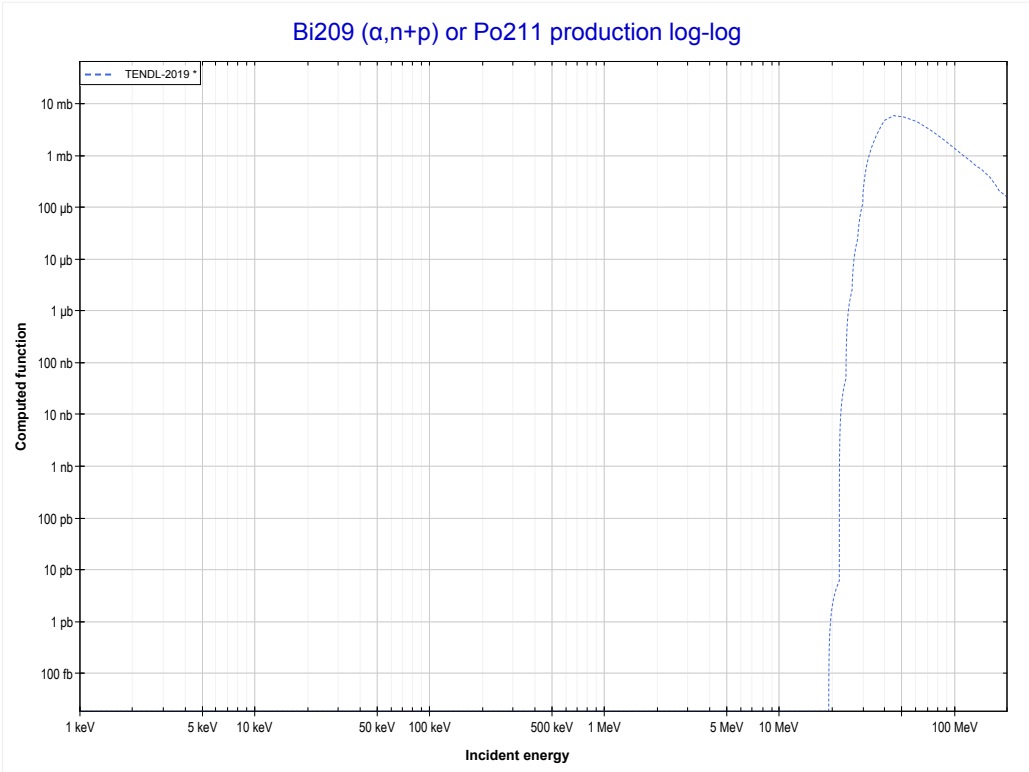


Reaction	Q-Value
Bi209($\alpha,3n$)At210	-28075.74 keV

<< 82-Pb-208	83-Bi-209	88-Ra-226 >>
<< MT17 (α ,3n)	MT18 (α ,fission)	MT28 (α ,n+p) >>

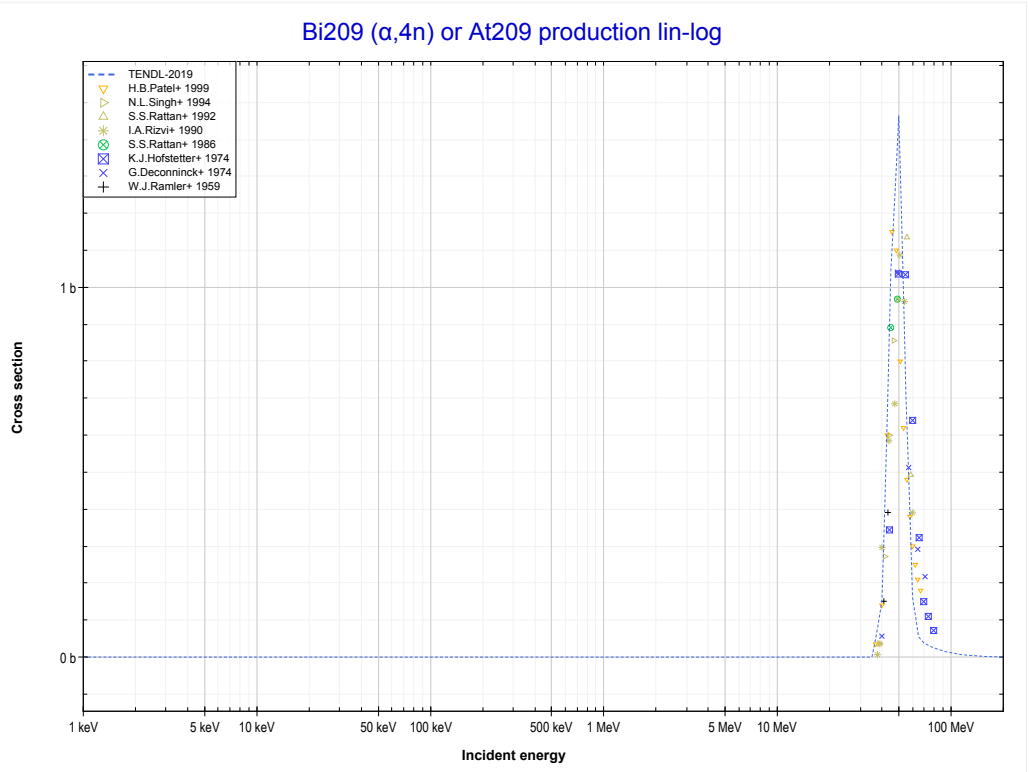
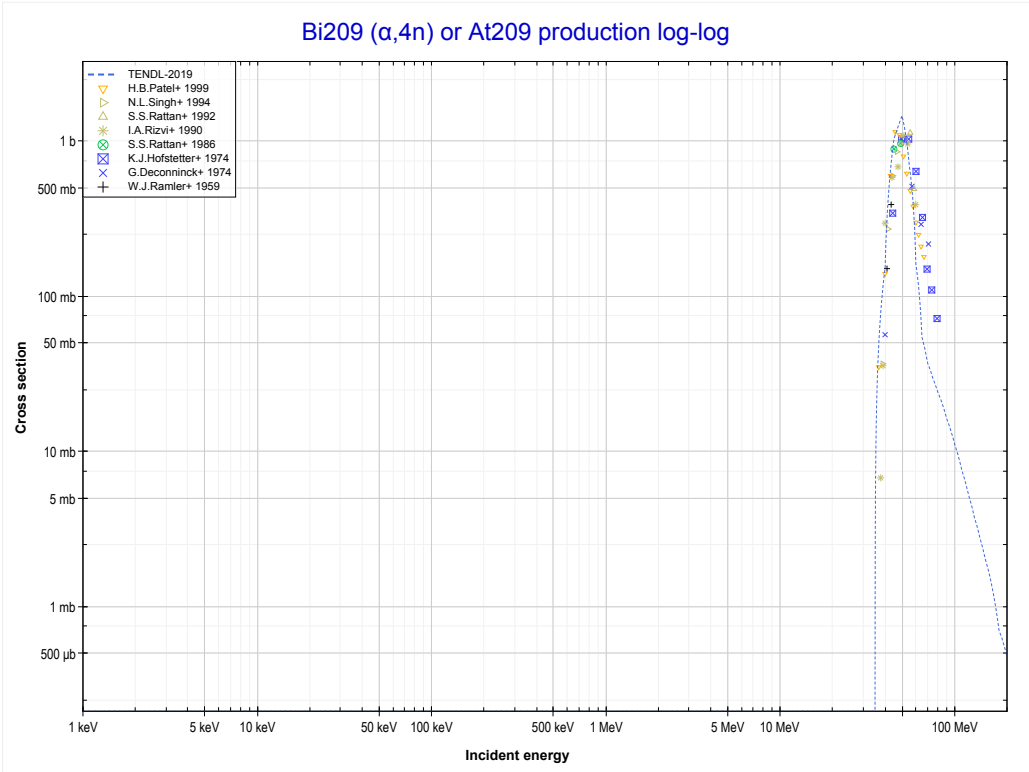


<< 82-Pb-208	83-Bi-209	92-U-233 >>
<< MT18 (α,fission)	MT28 (α,n+p) or MT5 (Po211 production)	MT37 (α,4n) >>



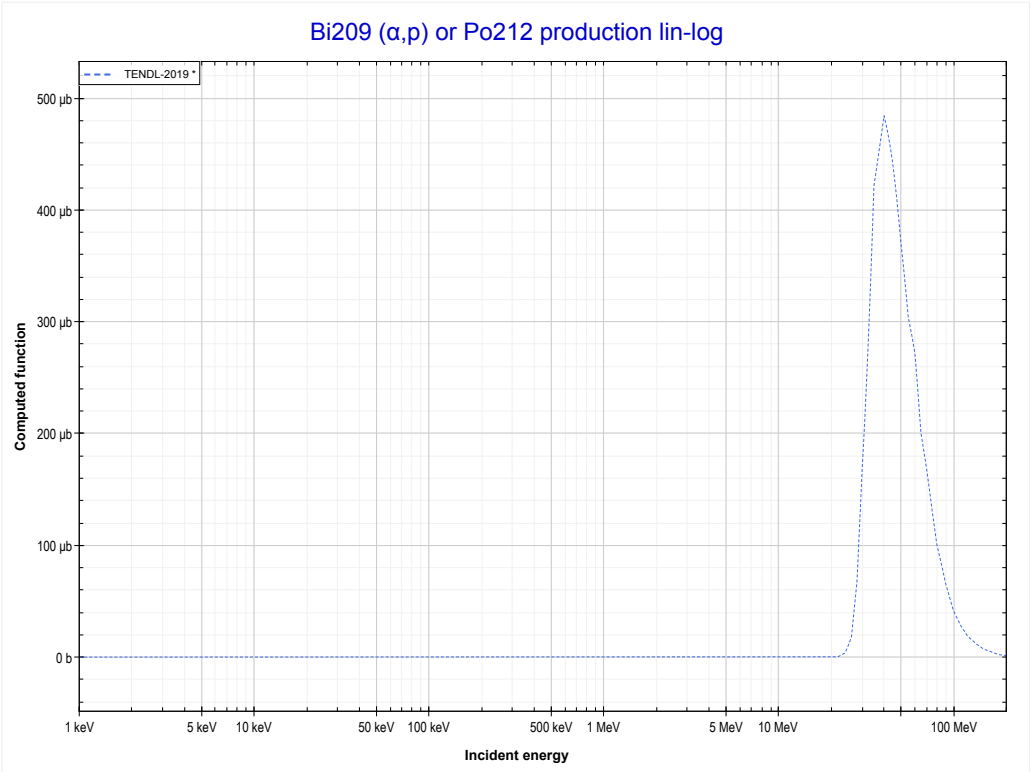
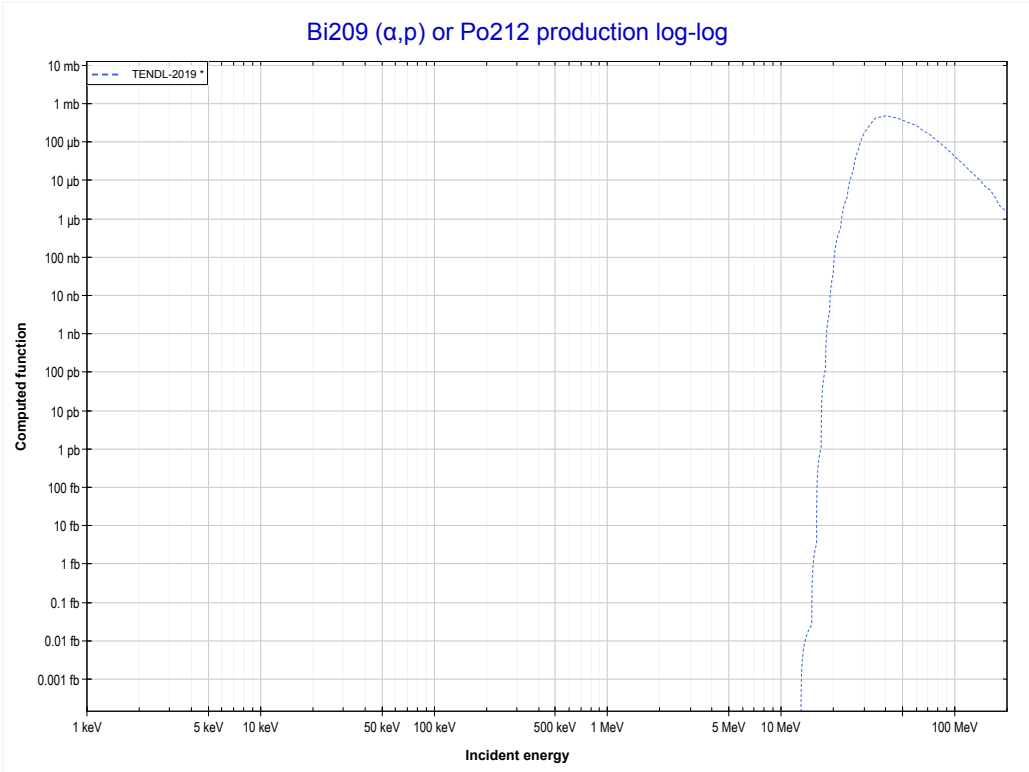
Reaction	Q-Value
Bi209(α,d)Po211	-16536.91 keV
Bi209(α,n+p)Po211	-18761.47 keV

<< 82-Pb-206	83-Bi-209	90-Th-232 >>
<< MT28 (α,n+p)	MT37 (α,4n) or MT5 (At209 production)	MT103 (α,p) >>



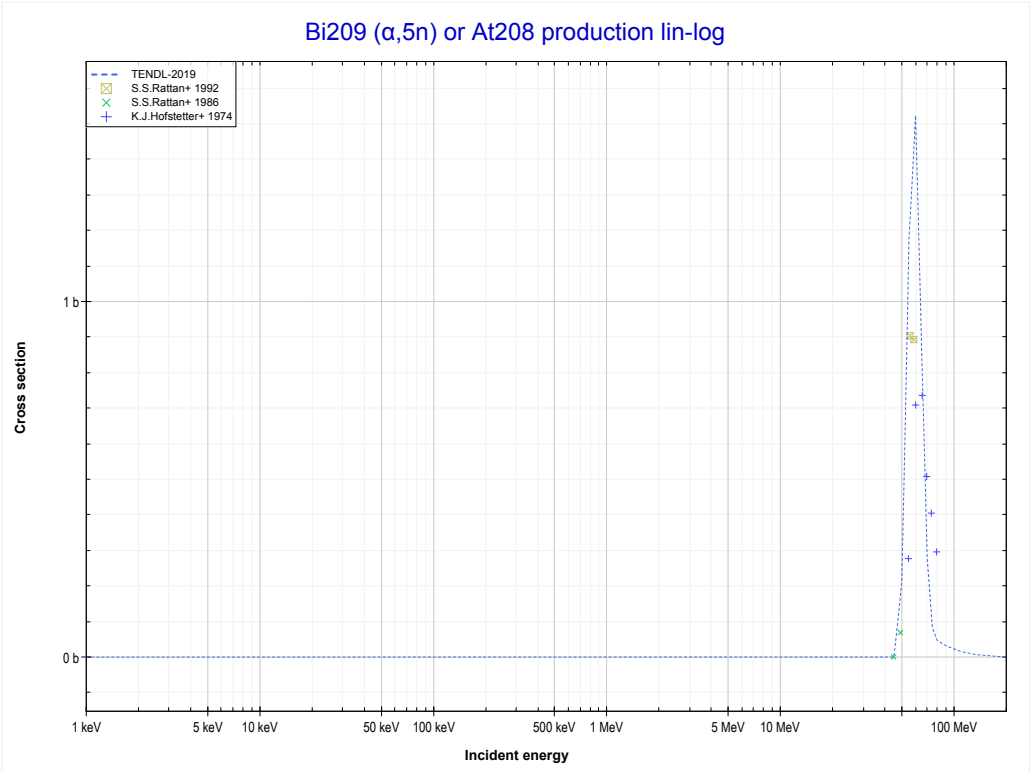
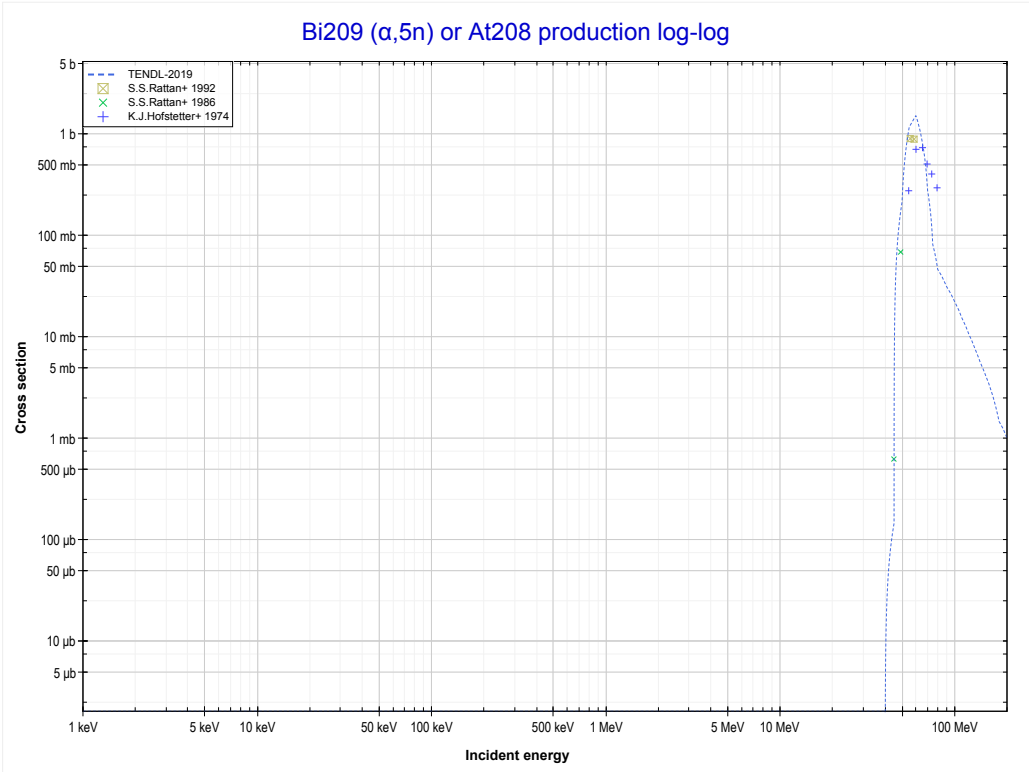
Reaction	Q-Value
Bi209(α,4n)At209	-35236.05 keV

<< 82-Pb-208	83-Bi-209	90-Th-232 >>
<< MT37 ($\alpha,4n$)	MT103 (α,p) or MT5 (Po212 production)	MT152 ($\alpha,5n$) >>



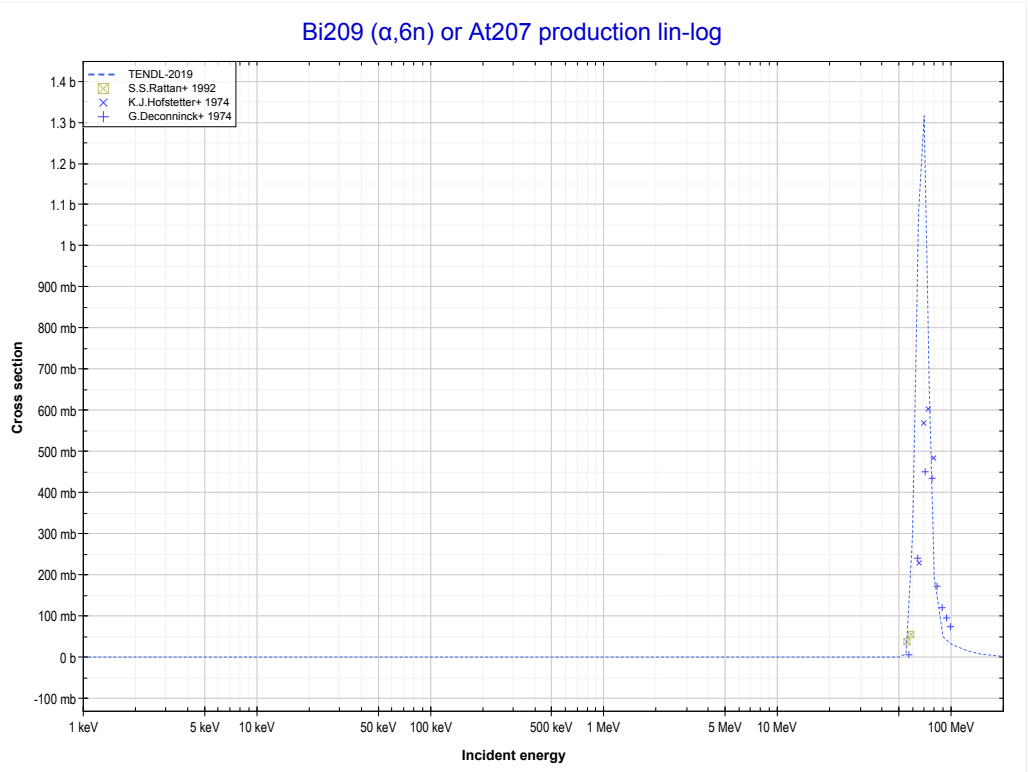
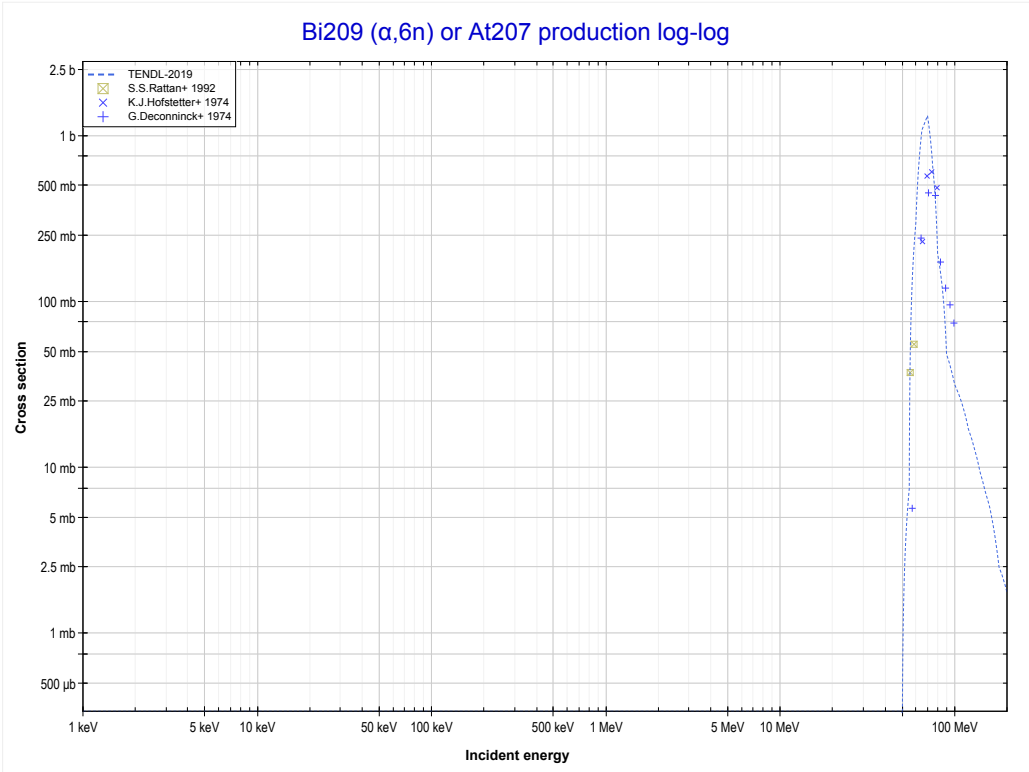
Reaction	Q-Value
Bi209(α,p)Po212	-12753.26 keV

<< 82-Pb-206	83-Bi-209	90-Th-232 >>
<< MT103 (α,p)	MT152 (α,5n) or MT5 (At208 production)	MT153 (α,6n) >>



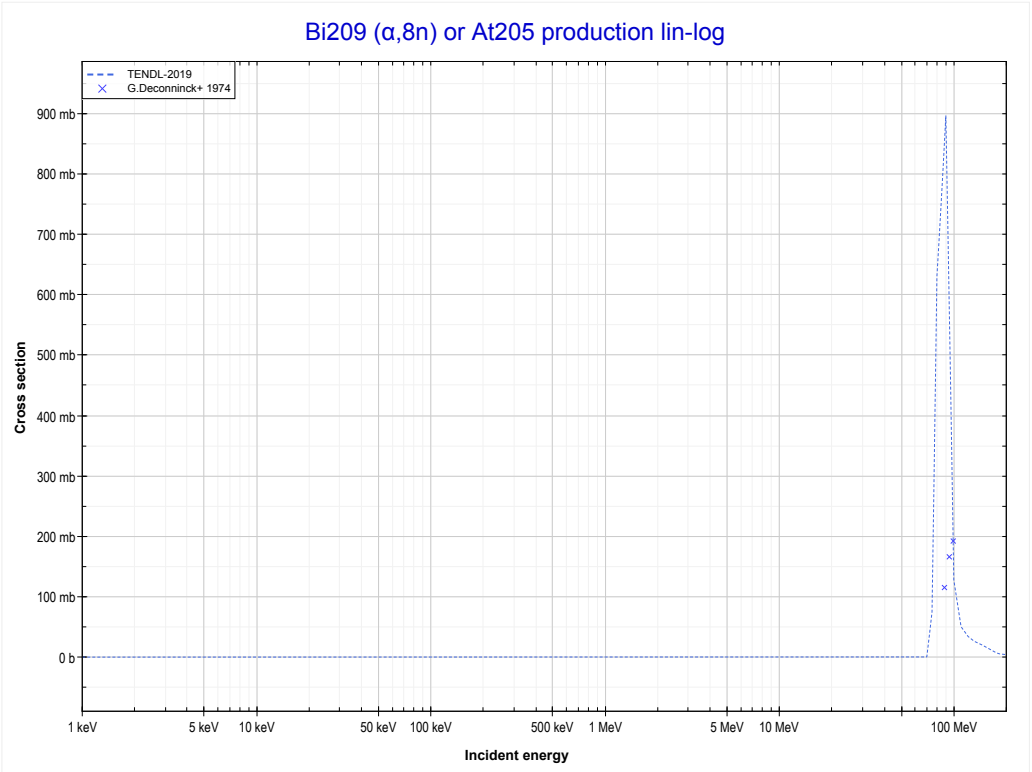
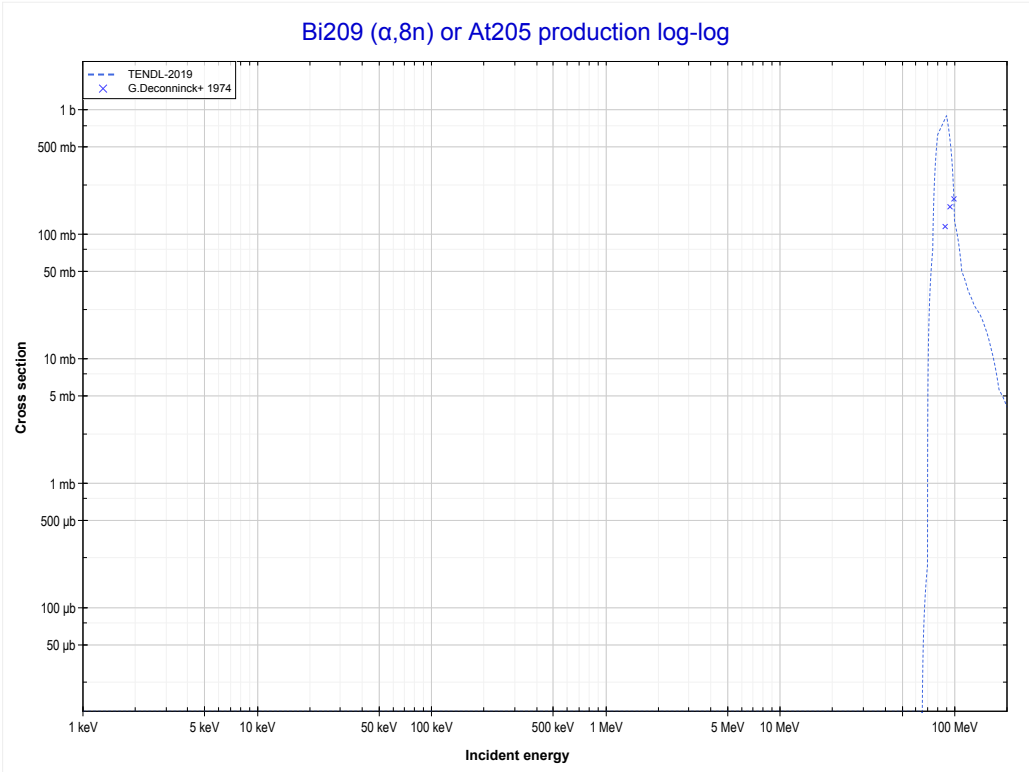
Reaction	Q-Value
Bi209(α,5n)At208	-43720.37 keV

<< 82-Pb-208	83-Bi-209	
<< MT152 (α ,5n)	MT153 (α ,6n) or MT5 (At207 production)	MT161 (α ,8n) >>



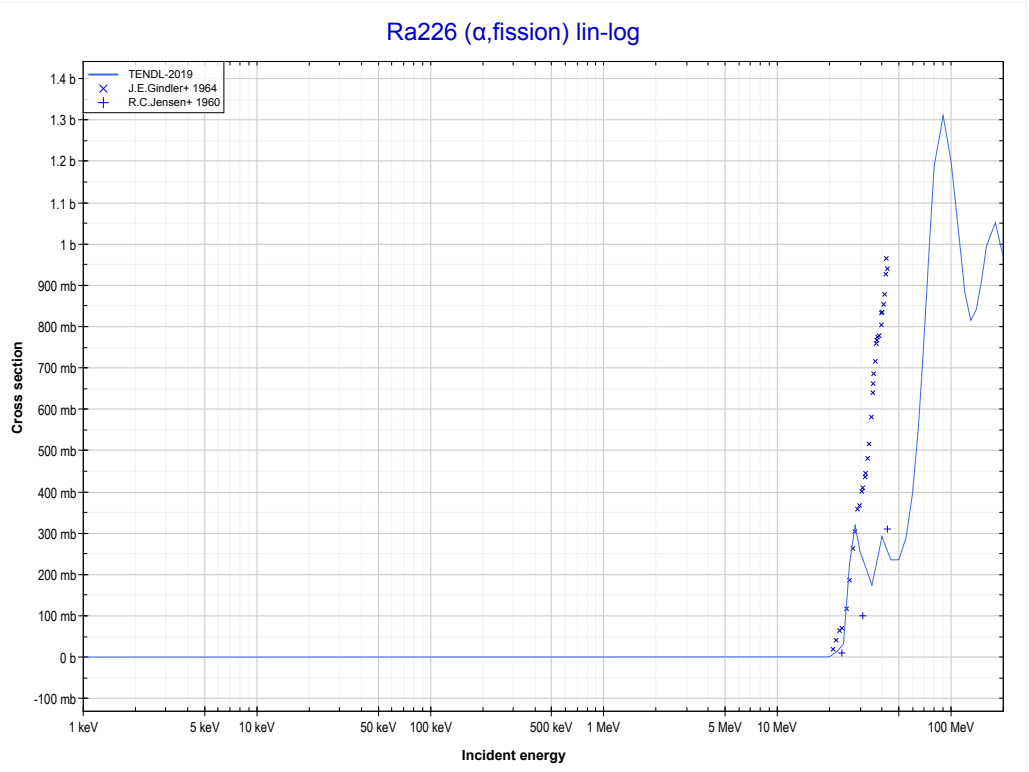
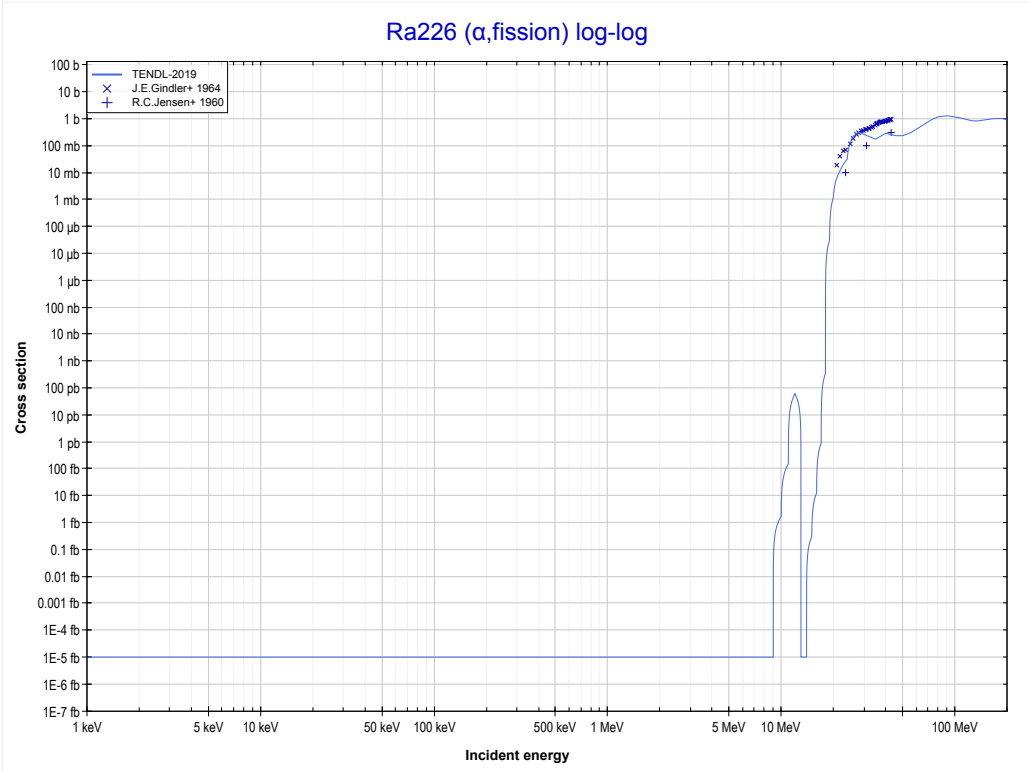
Reaction	Q-Value
Bi209(α ,6n)At207	-51034.69 keV

<< 82-Pb-208	83-Bi-209	90-Th-232 >>
<< MT153 ($\alpha,6n$)	MT161 ($\alpha,8n$) or MT5 (At205 production)	88-Ra-226 MT18 (α ,fission) >>

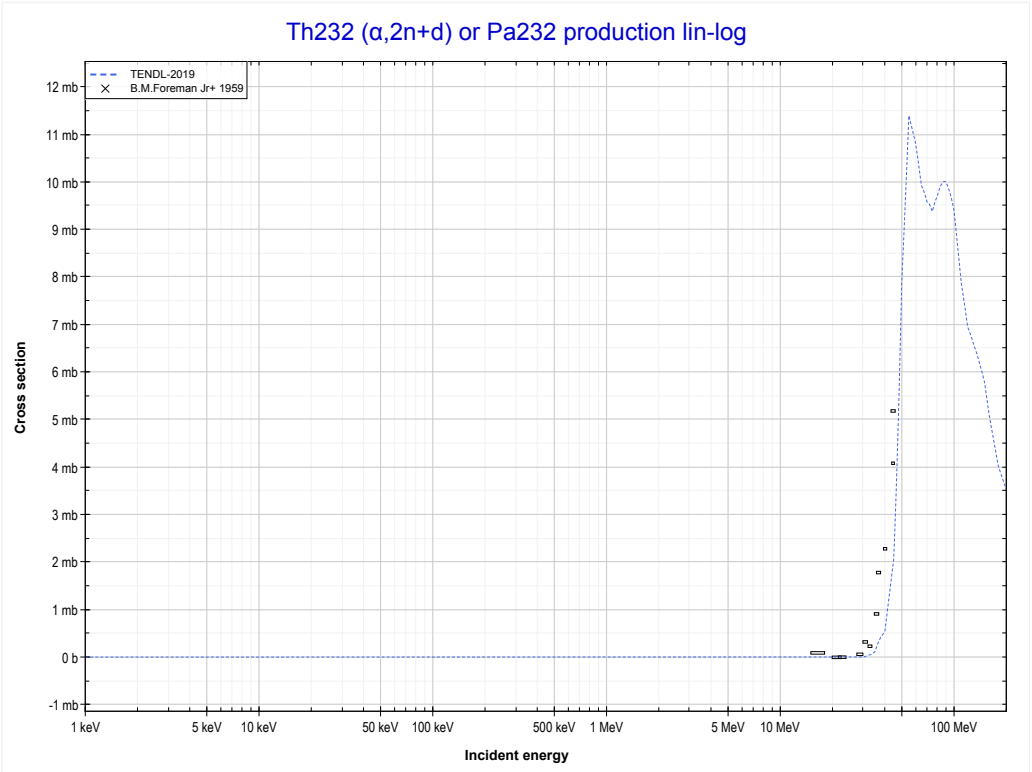
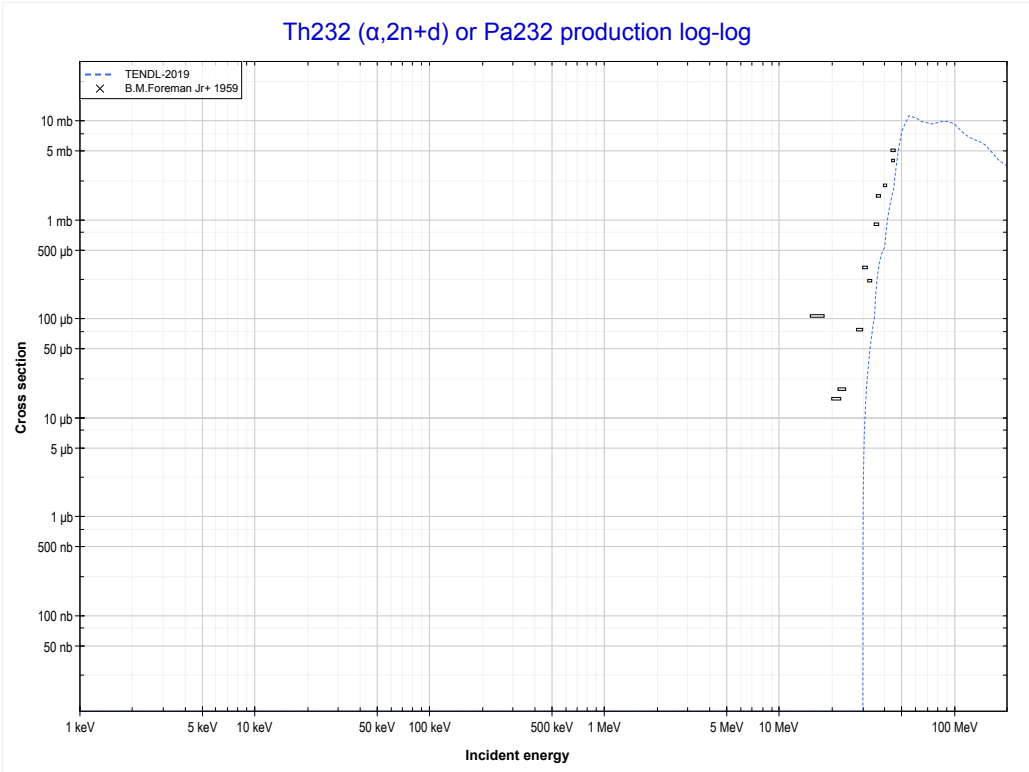


Reaction	Q-Value
Bi209($\alpha,8n$)At205	-67432.32 keV

<< 83-Bi-209	88-Ra-226	90-Th-232 >>
<< 83-Bi-209 MT161 (α ,8n)	MT18 (α ,fission)	90-Th-232 MT11 (α ,2n+d) >>

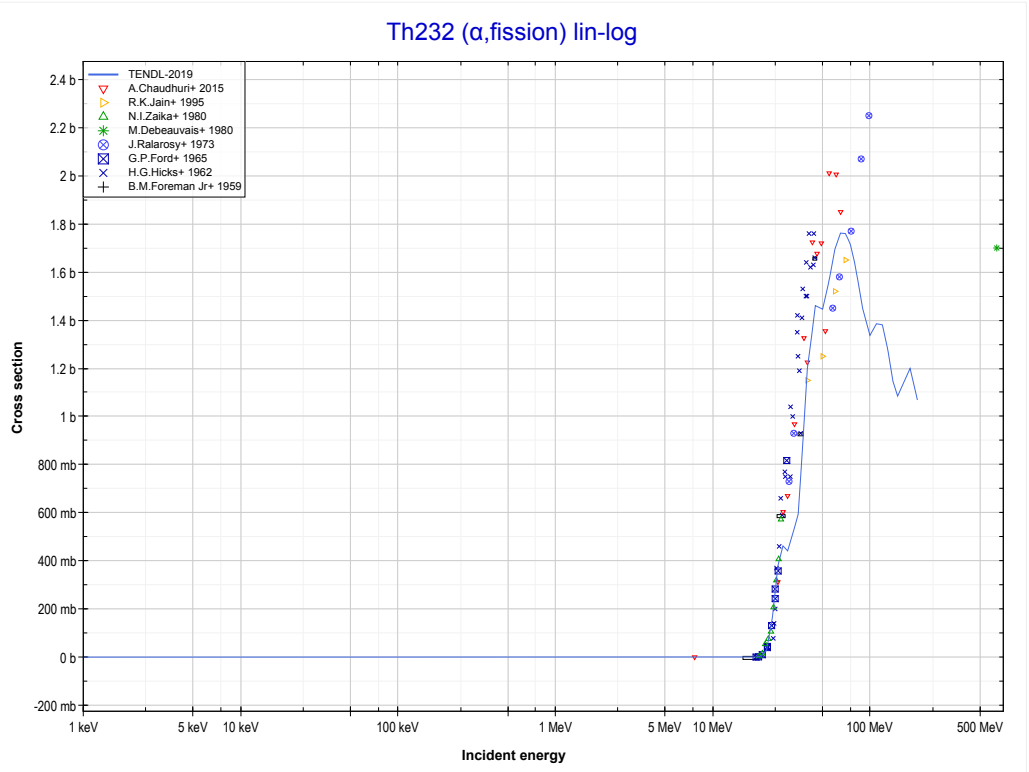
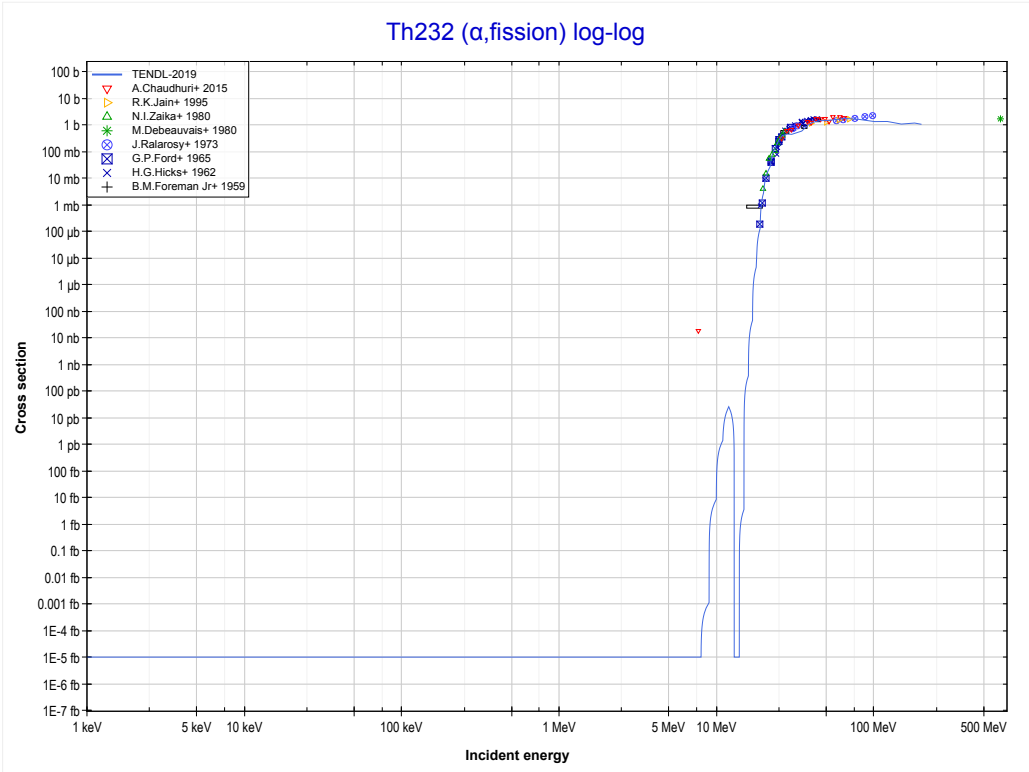


<< 82-Pb-206	90-Th-232	92-U-233 >>
<< 88-Ra-226 MT18 (α,fission)	MT11 (α,2n+d) or MT5 (Pa232 production)	MT18 (α,fission) >>

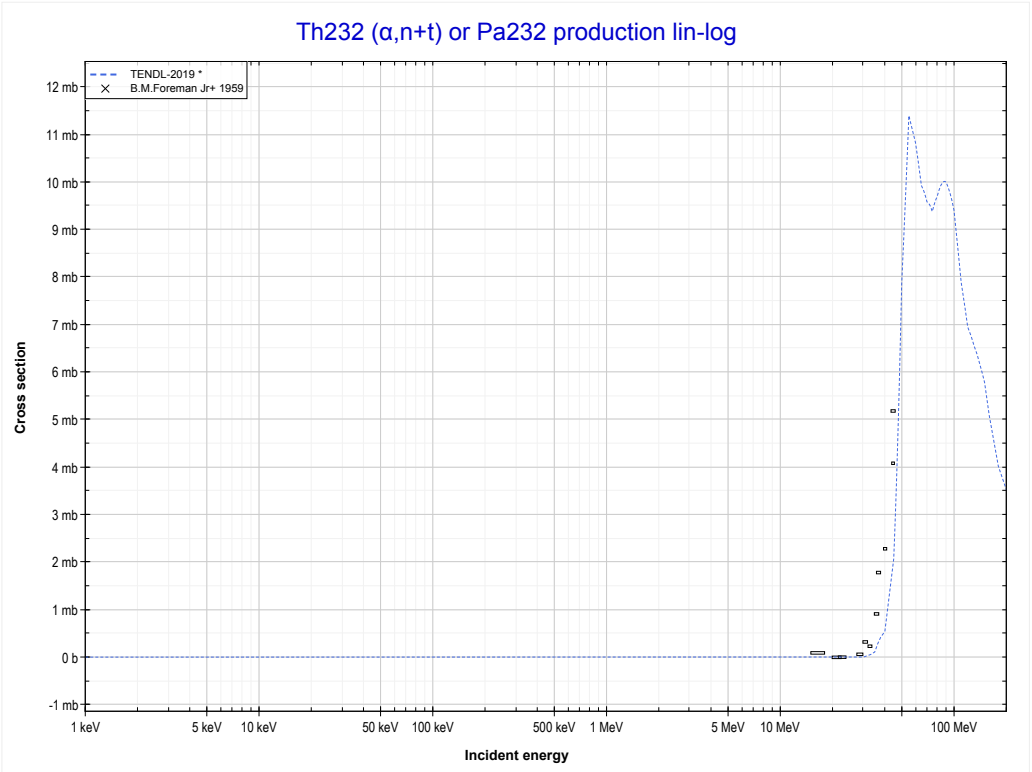
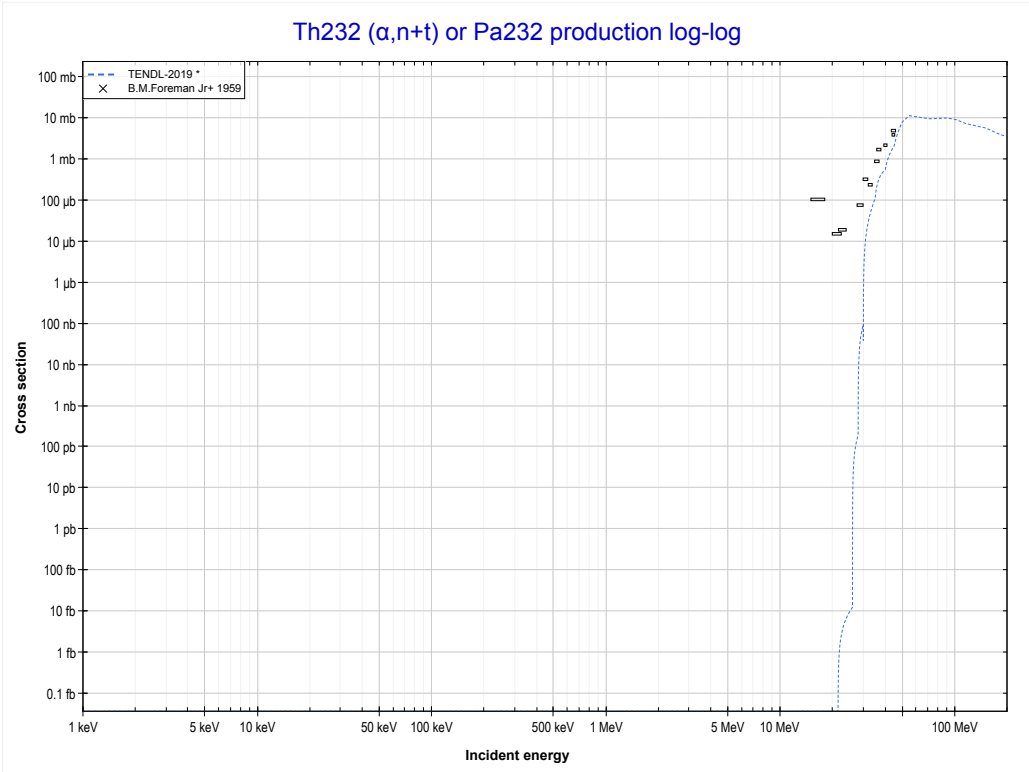


Reaction	Q-Value
Th232(α,n+t)Pa232	-21096.41 keV
Th232(α,2n+d)Pa232	-27353.64 keV
Th232(α,3n+p)Pa232	-29578.21 keV

<< 88-Ra-226	90-Th-232	92-U-233 >>
<< MT11 (α ,2n+d)	MT18 (α ,fission)	MT33 (α ,n+t) >>

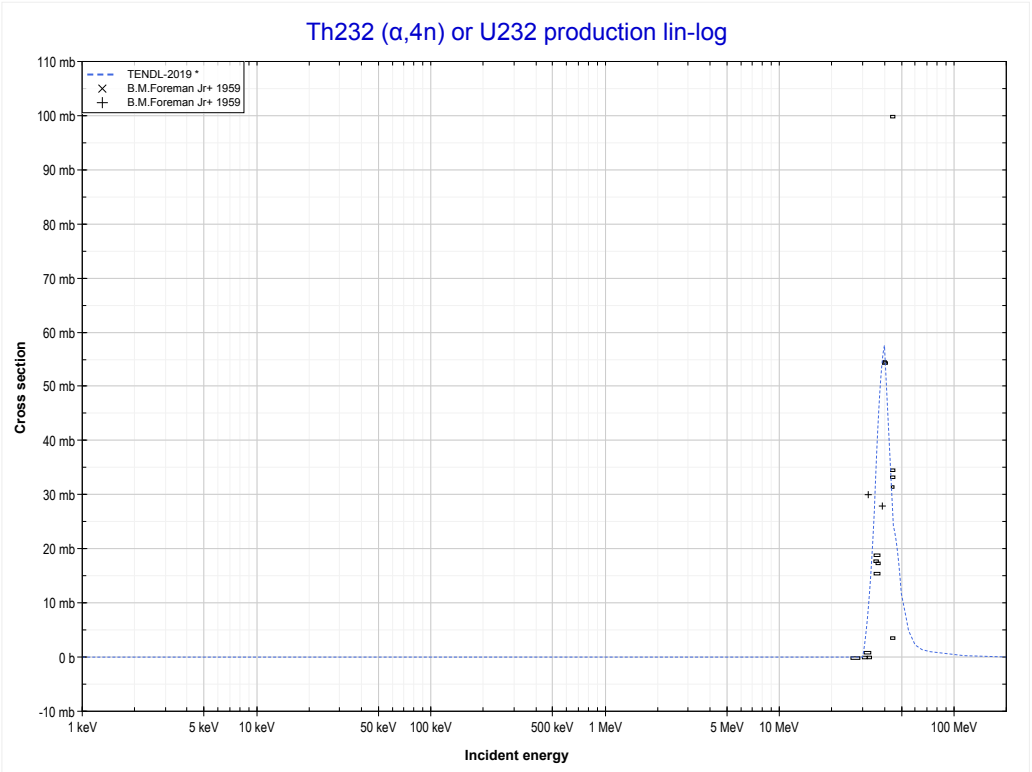
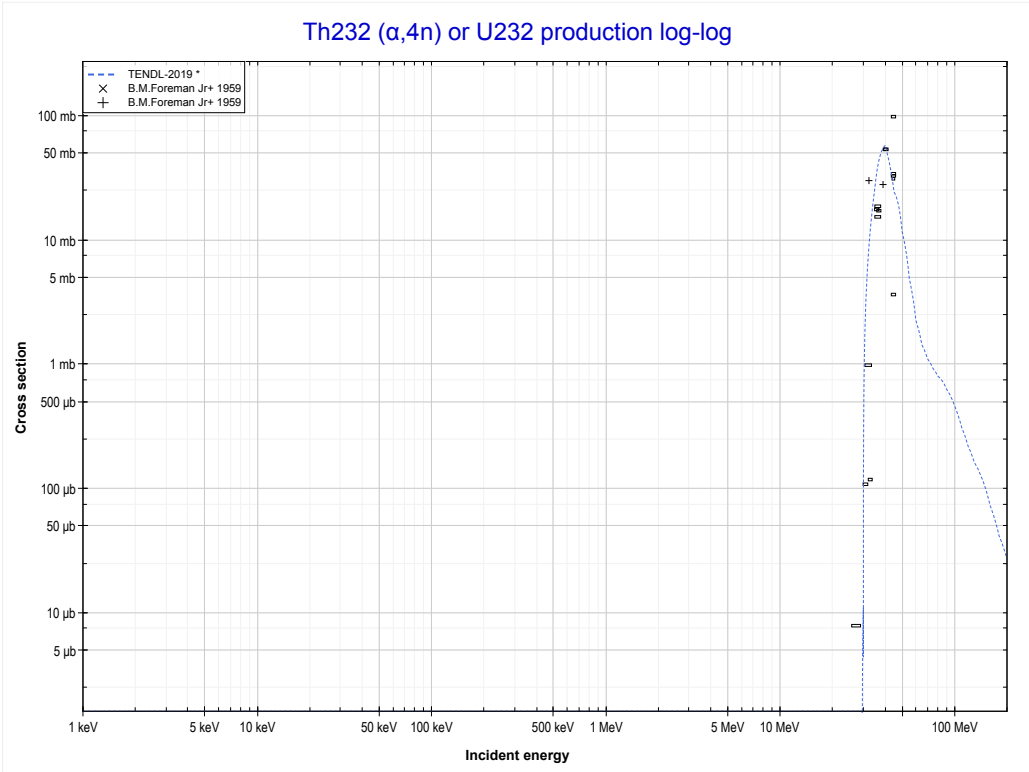


<< 82-Pb-206	90-Th-232	92-U-233 >>
<< MT18 (α,fission)	MT33 (α,n+t) or MT5 (Pa232 production)	MT37 (α,4n) >>



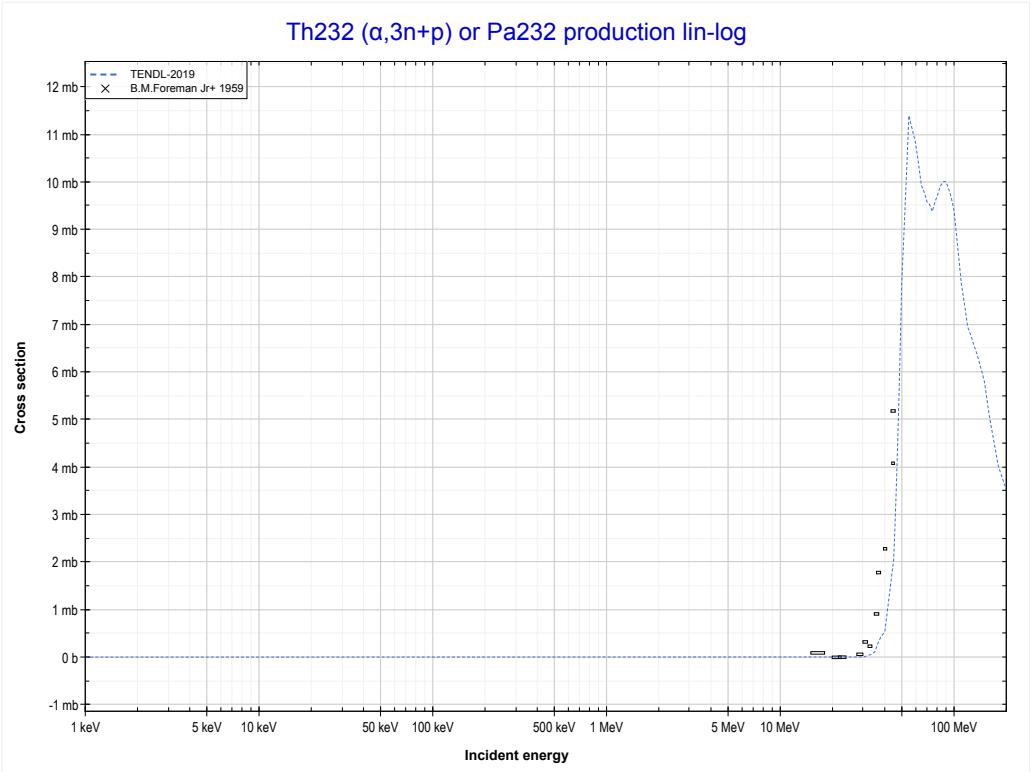
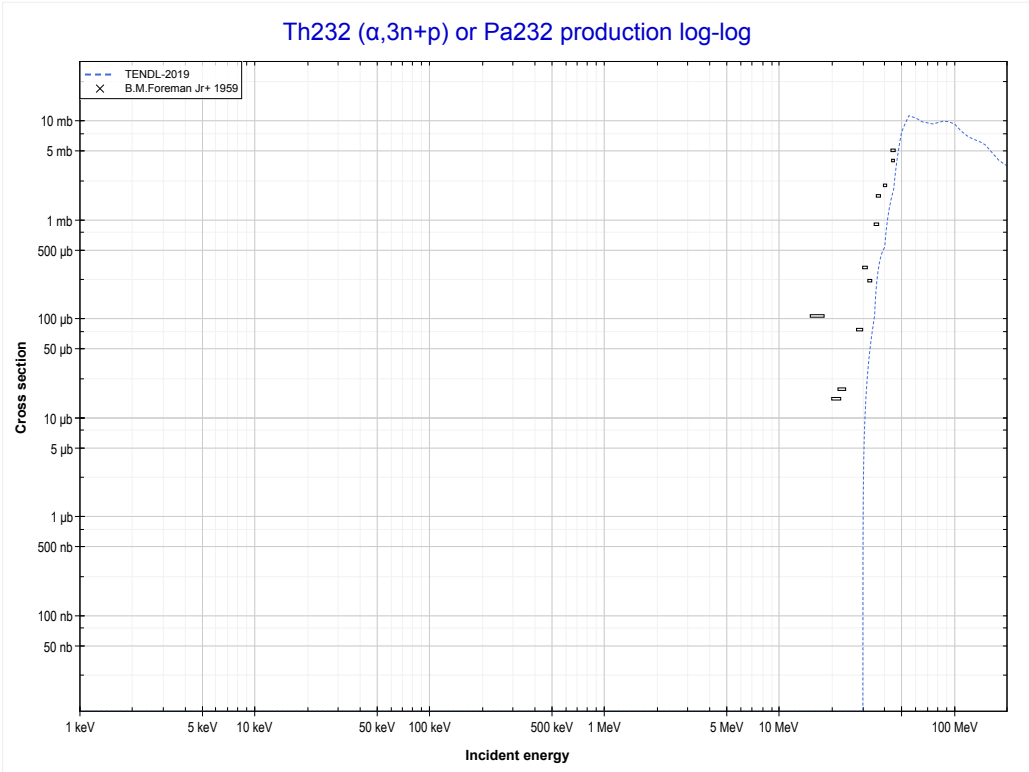
Reaction	Q-Value
Th232(α,n+t)Pa232	-21096.41 keV
Th232(α,2n+d)Pa232	-27353.64 keV
Th232(α,3n+p)Pa232	-29578.21 keV

<< 83-Bi-209	90-Th-232	92-U-235 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (U232 production)	MT42 ($\alpha,3n+p$) >>



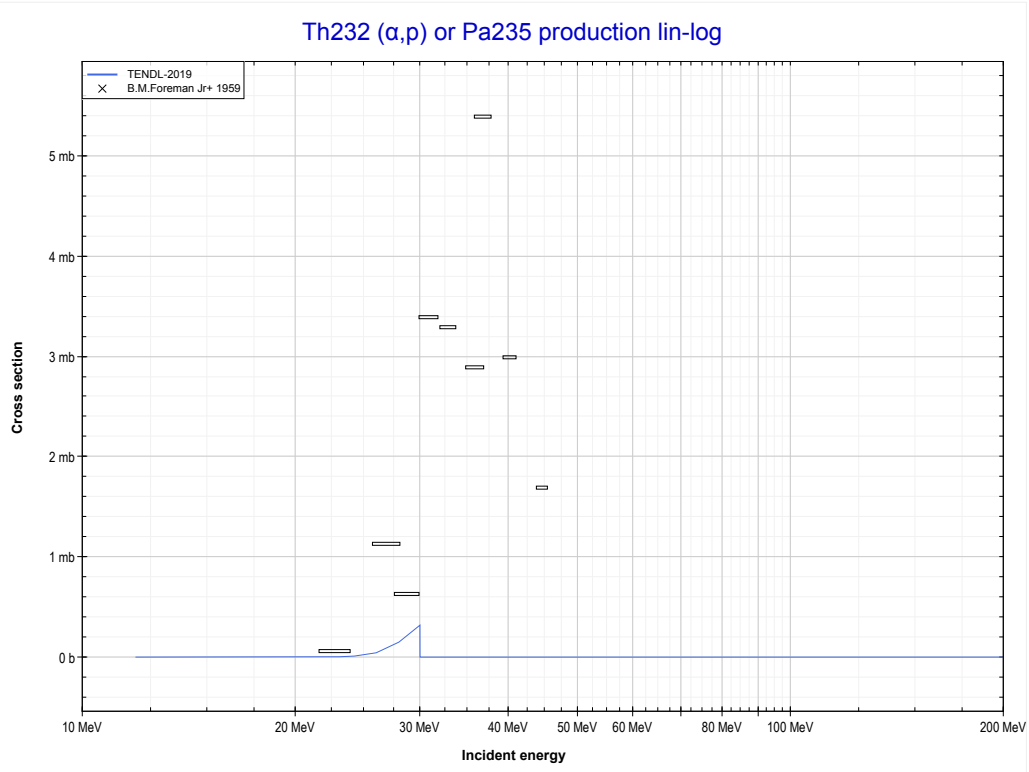
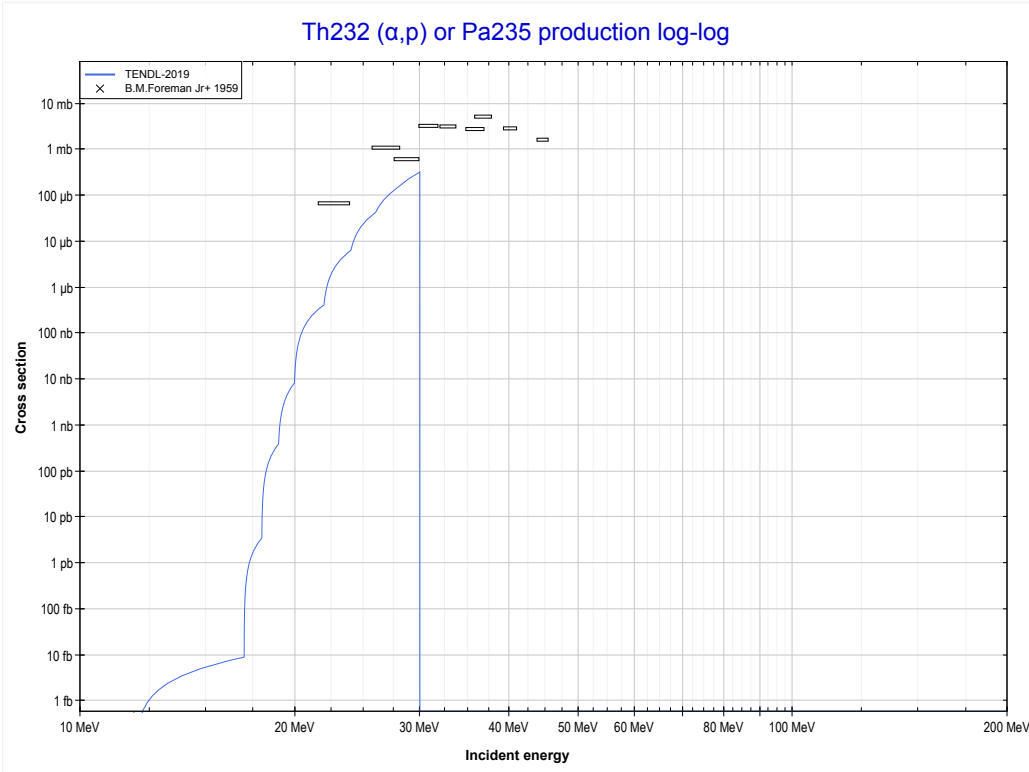
Reaction	Q-Value
Th232($\alpha,4n$)U232	-29023.05 keV

<< 82-Pb-206	90-Th-232	92-U-233 >>
<< MT37 (α,4n)	MT42 (α,3n+p) or MT5 (Pa232 production)	MT103 (α,p) >>



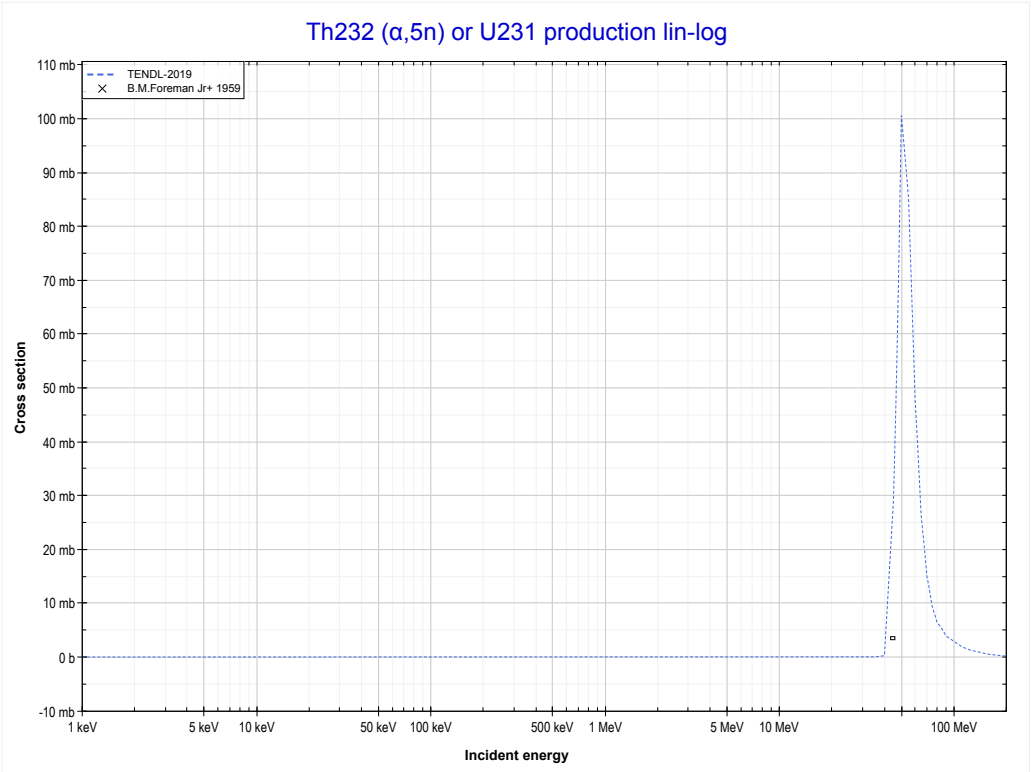
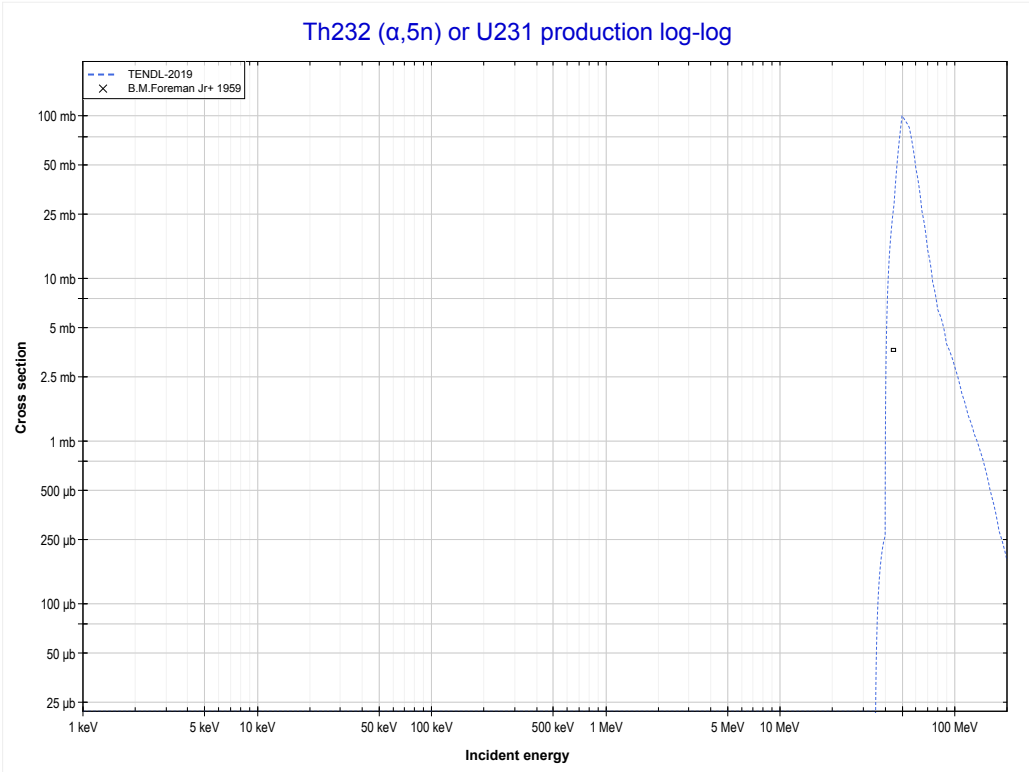
Reaction	Q-Value
Th232(α,n+t)Pa232	-21096.41 keV
Th232(α,2n+d)Pa232	-27353.64 keV
Th232(α,3n+p)Pa232	-29578.21 keV

<< 83-Bi-209	90-Th-232	92-U-233 >>
<< MT42 ($\alpha,3n+p$)	MT103 (α,p) or MT5 (Pa235 production)	MT152 ($\alpha,5n$) >>



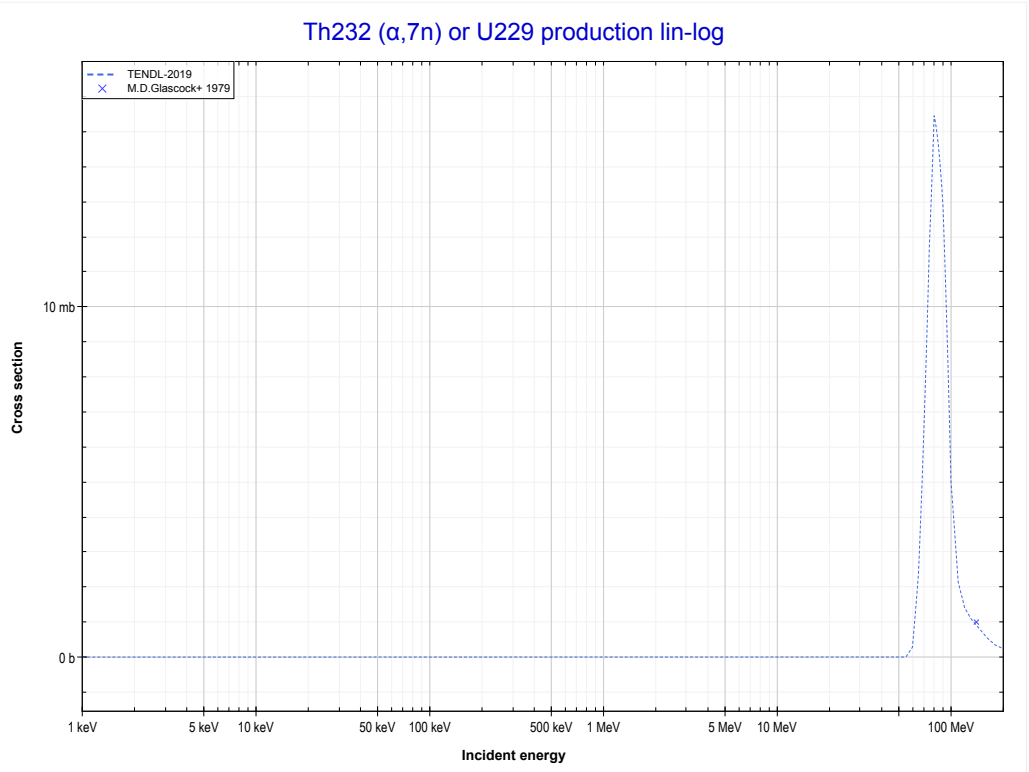
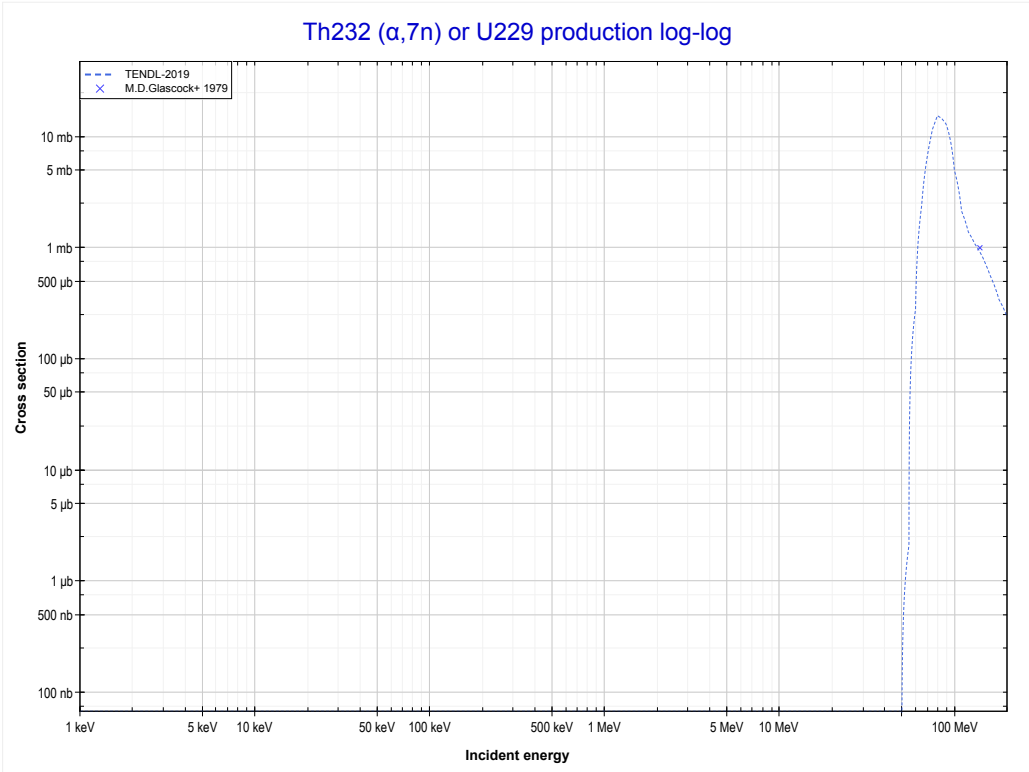
Reaction	Q-Value
Th232(α,p)Pa235	-11706.26 keV

<< 83-Bi-209	90-Th-232	94-Pu-239 >>
<< MT103 (α,p)	MT152 (α,5n) or MT5 (U231 production)	MT160 (α,7n) >>



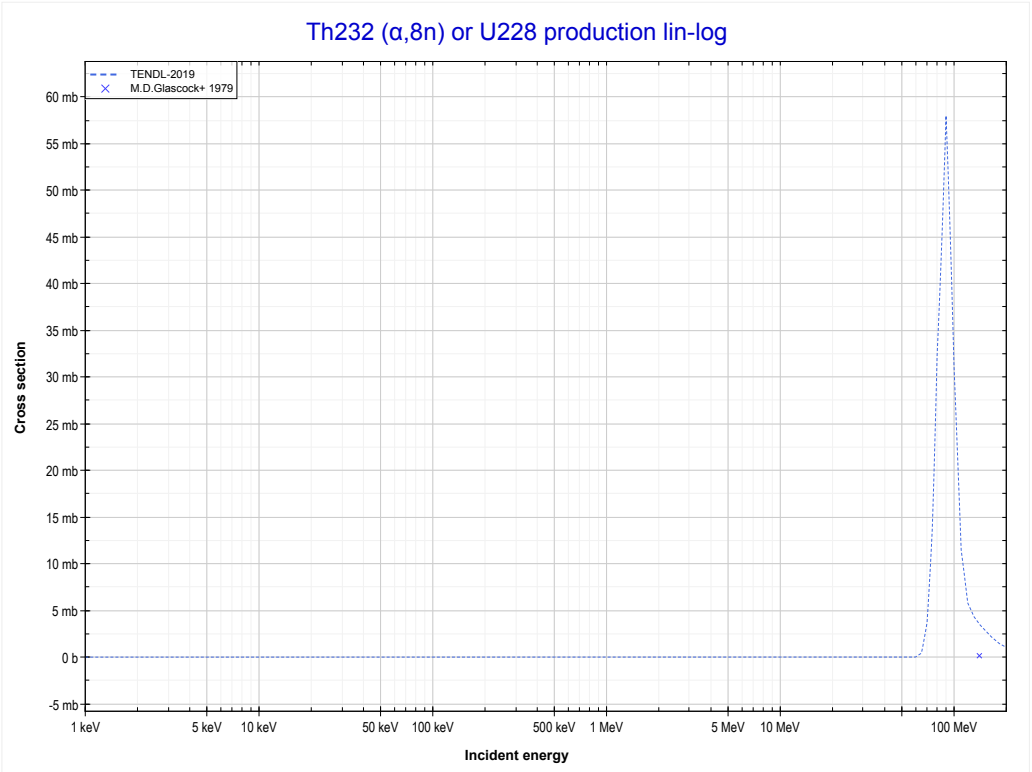
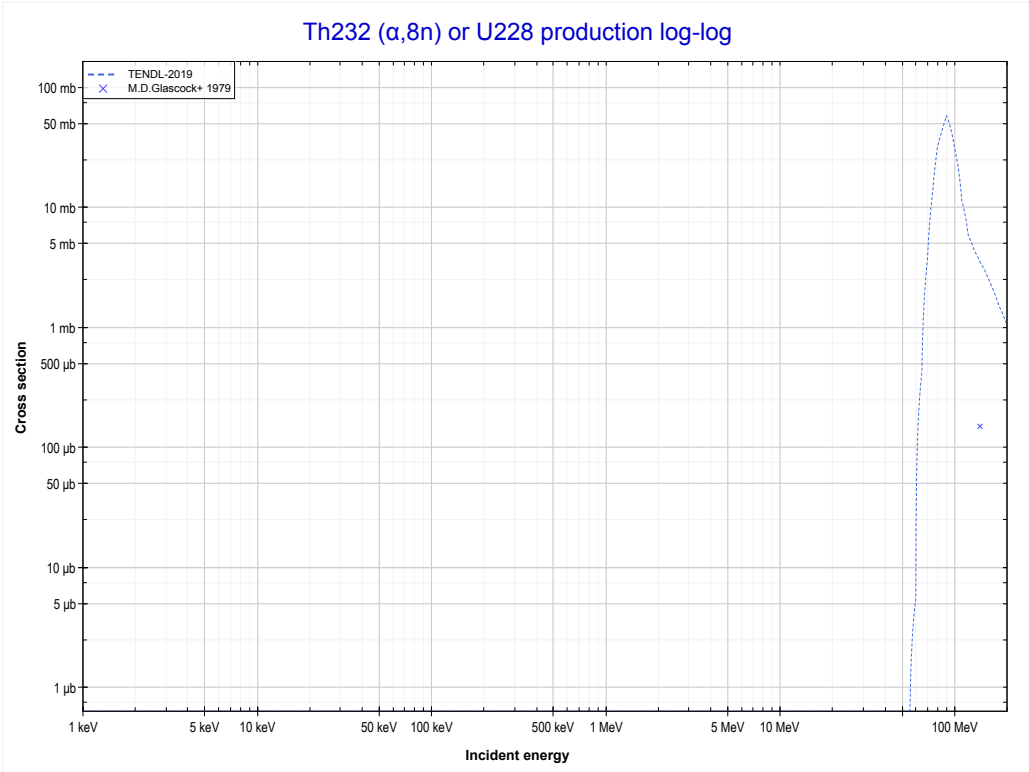
Reaction	Q-Value
Th232(α,5n)U231	-36290.87 keV

<< 82-Pb-208	90-Th-232	
<< MT152 (α,5n)	MT160 (α,7n) or MT5 (U229 production)	MT161 (α,8n) >>



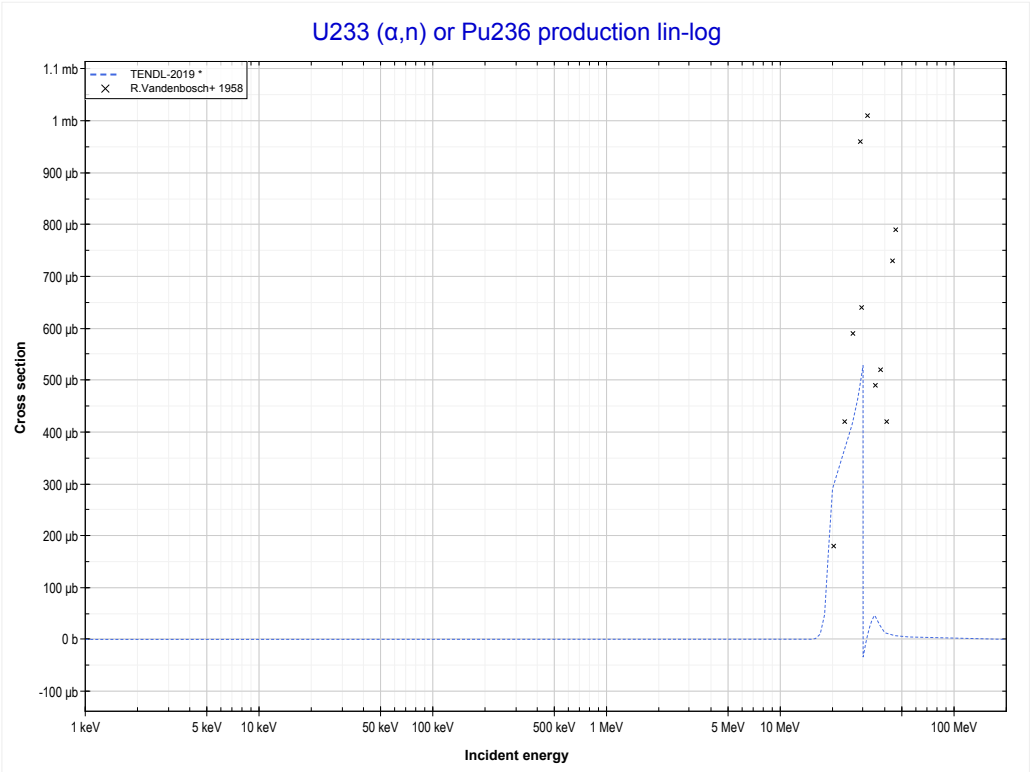
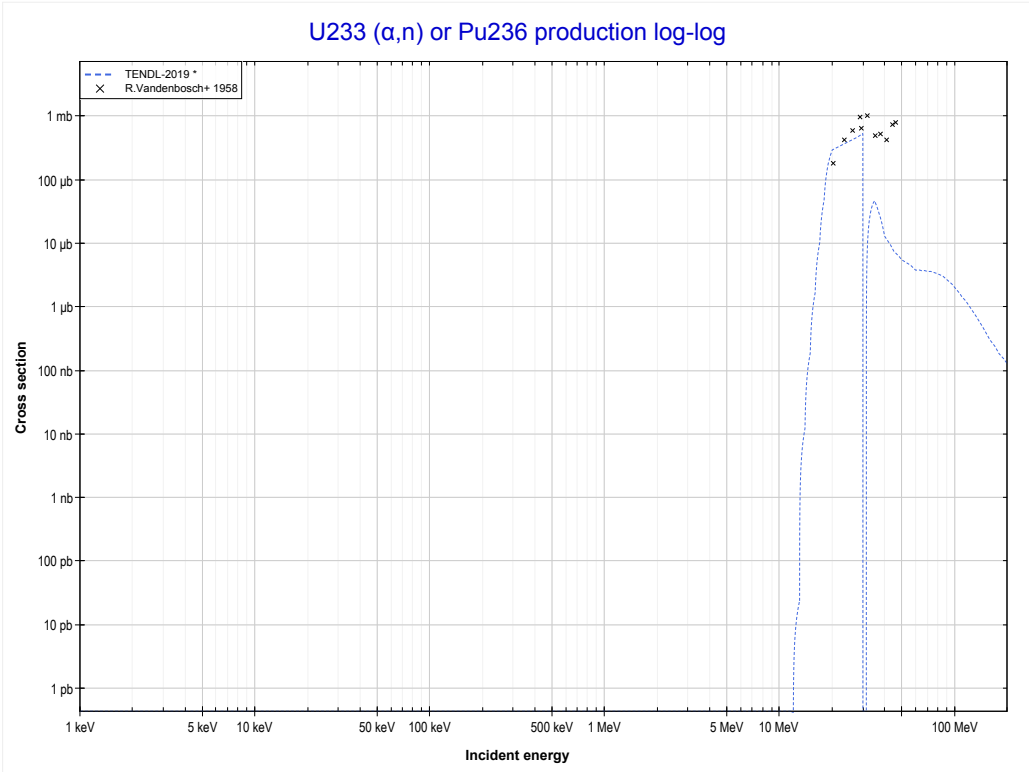
Reaction	Q-Value
Th232(α,7n)U229	-49838.50 keV

<< 83-Bi-209	90-Th-232	
<< MT160 (α,7n)	MT161 (α,8n) or MT5 (U228 production)	92-U-233 MT4 (α,n) >>



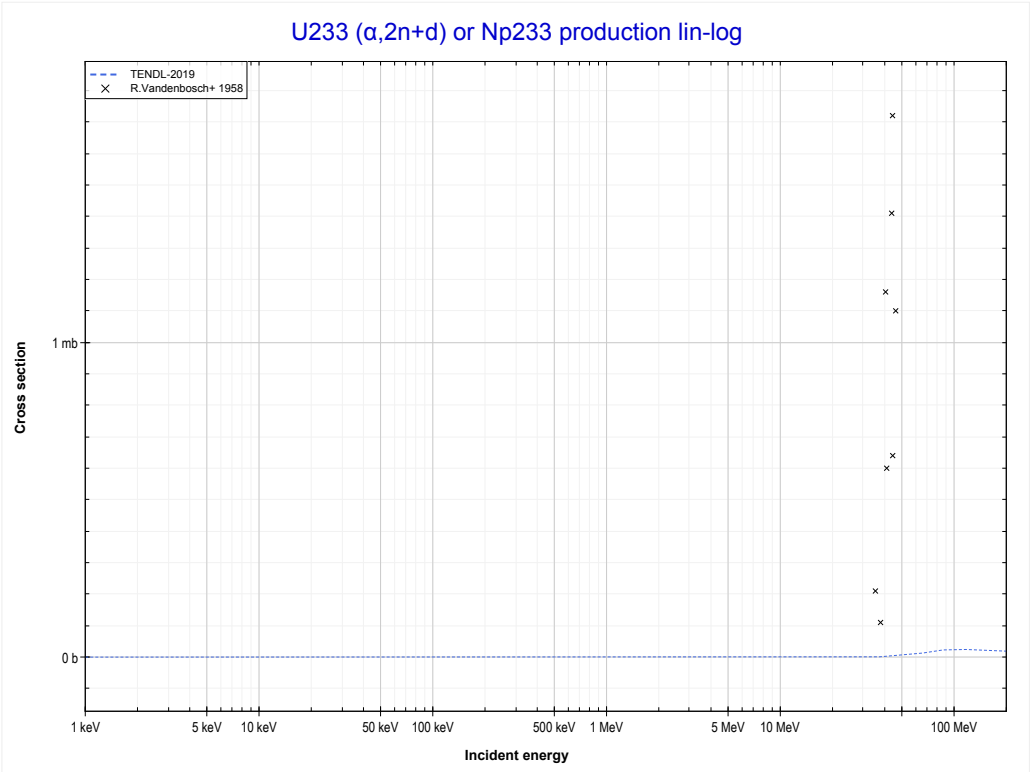
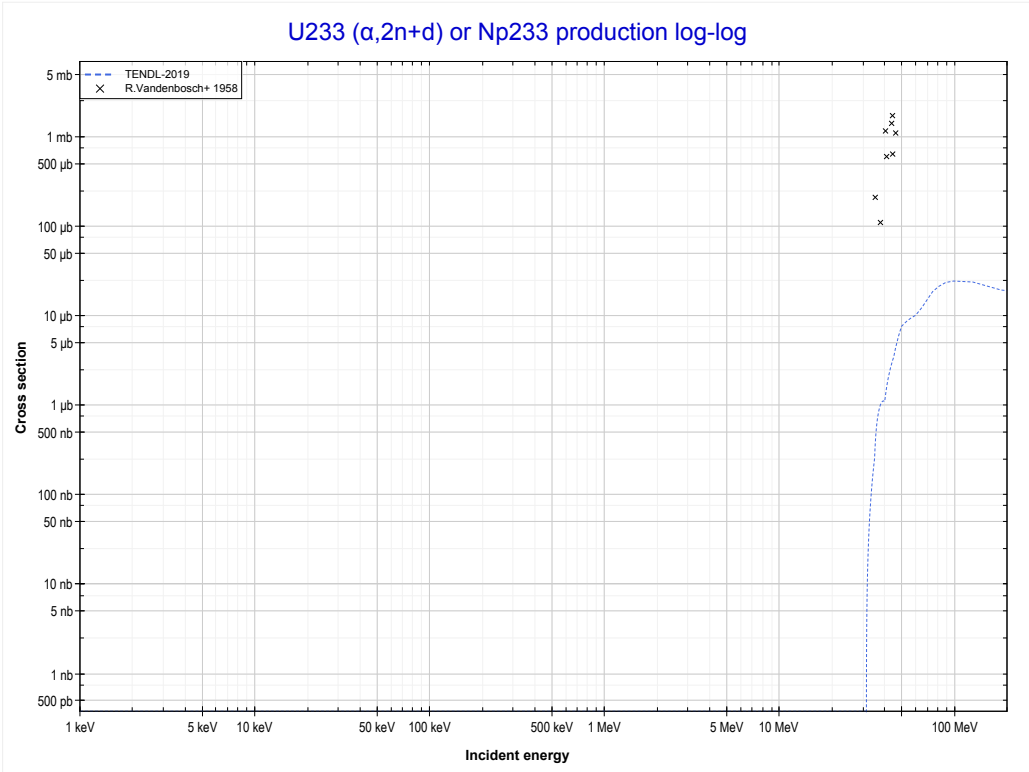
Reaction	Q-Value
Th232(α,8n)U228	-55920.82 keV

<< 83-Bi-209	92-U-233	92-U-234 >>
<< 90-Th-232 MT161 (α,8n)	MT4 (α,n) or MT5 (Pu236 production)	MT11 (α,2n+d) >>



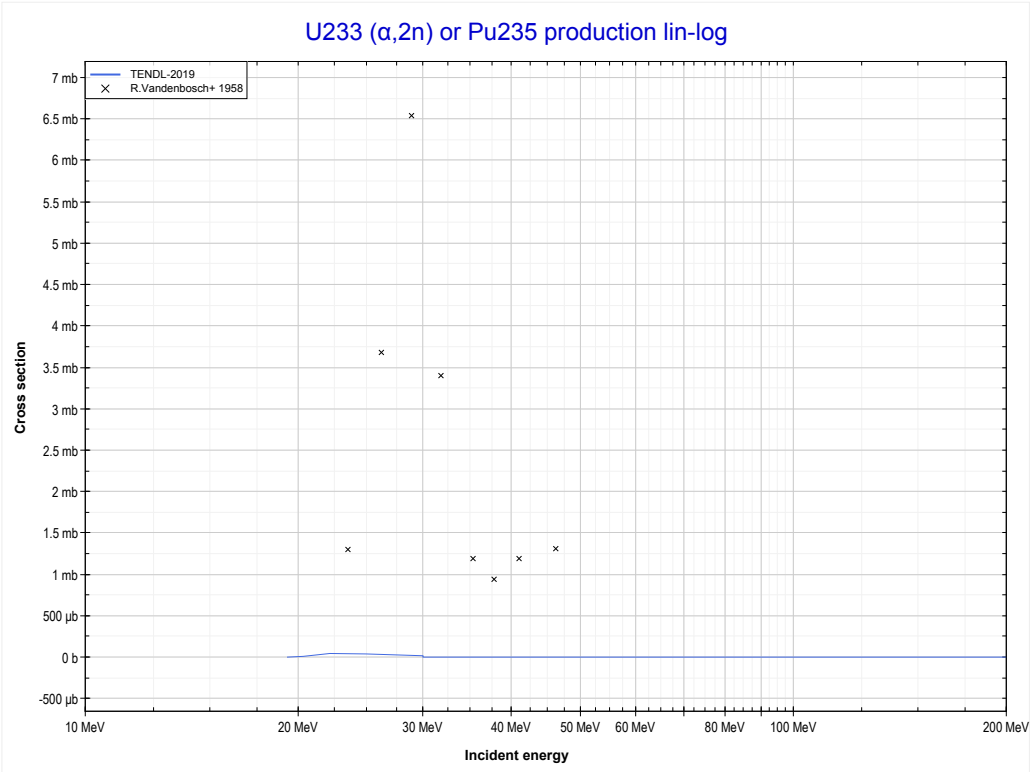
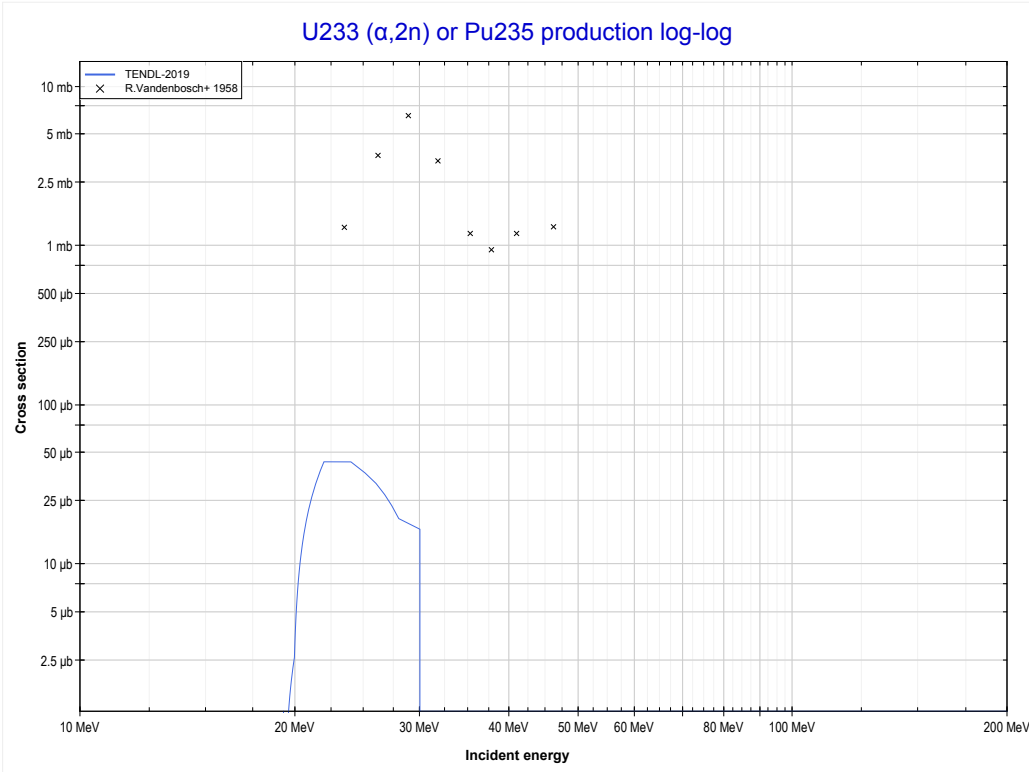
Reaction	Q-Value
U233(α,n)Pu236	-11628.80 keV

<< 90-Th-232	92-U-233	92-U-238 >>
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Np233 production)	MT16 (α,2n) >>



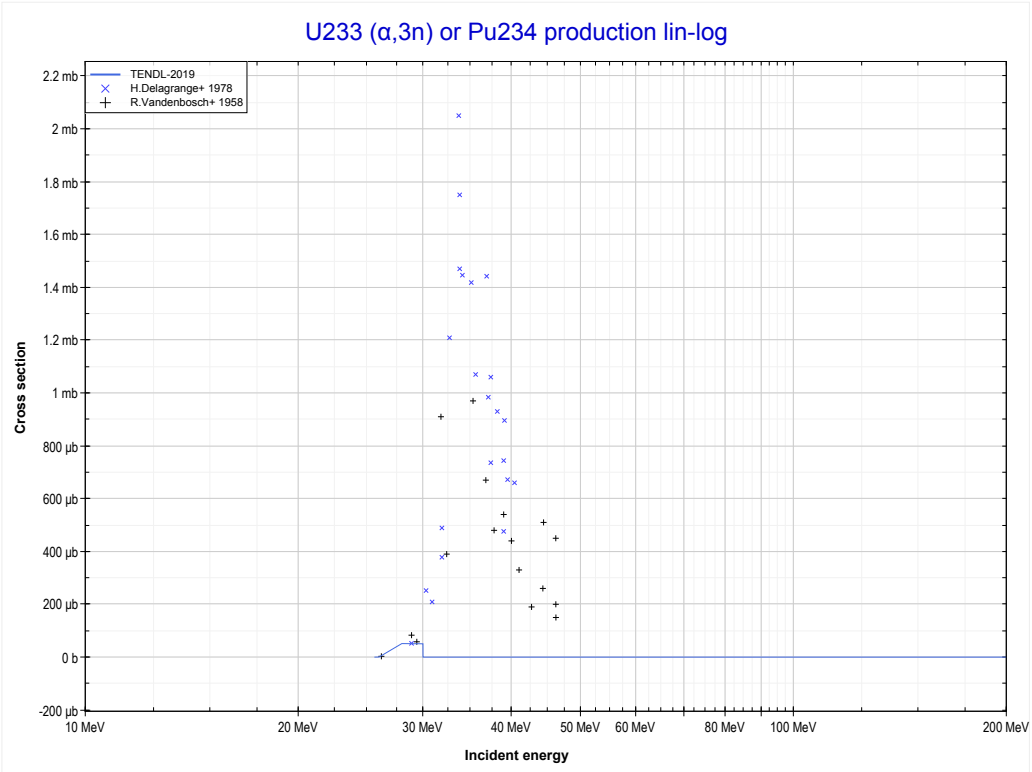
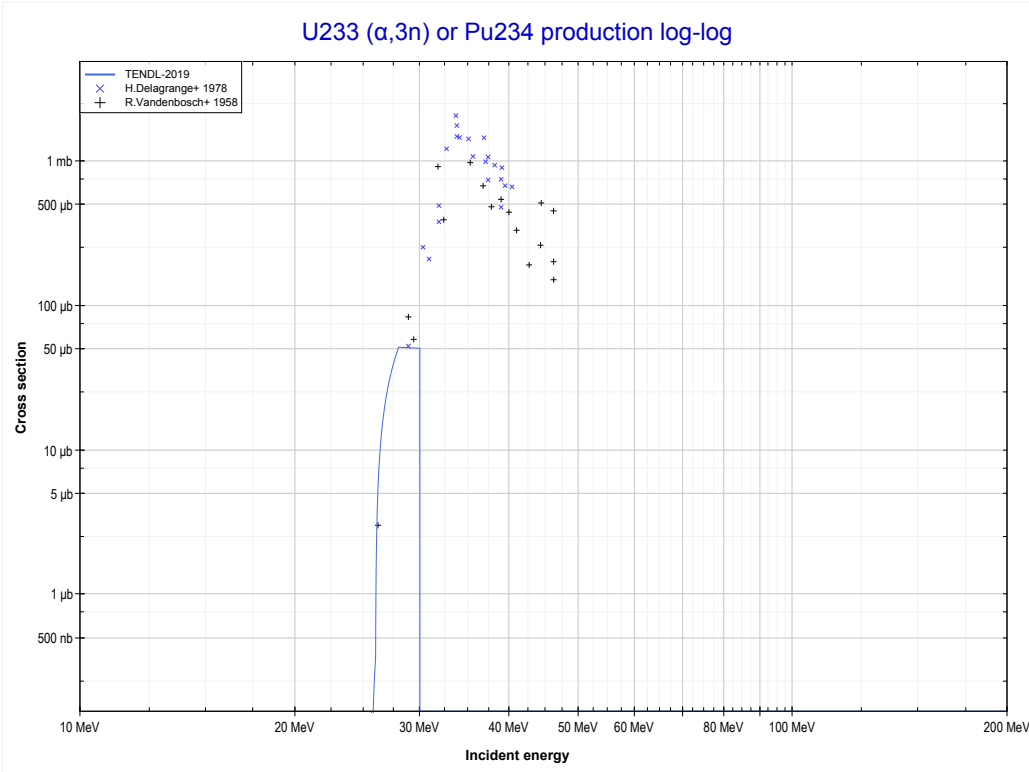
Reaction	Q-Value
U233(α,n+t)Np233	-21627.01 keV
U233(α,2n+d)Np233	-27884.24 keV
U233(α,3n+p)Np233	-30108.81 keV

<< 83-Bi-209	92-U-233	92-U-234 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (Pu235 production)	MT17 ($\alpha,3n$) >>



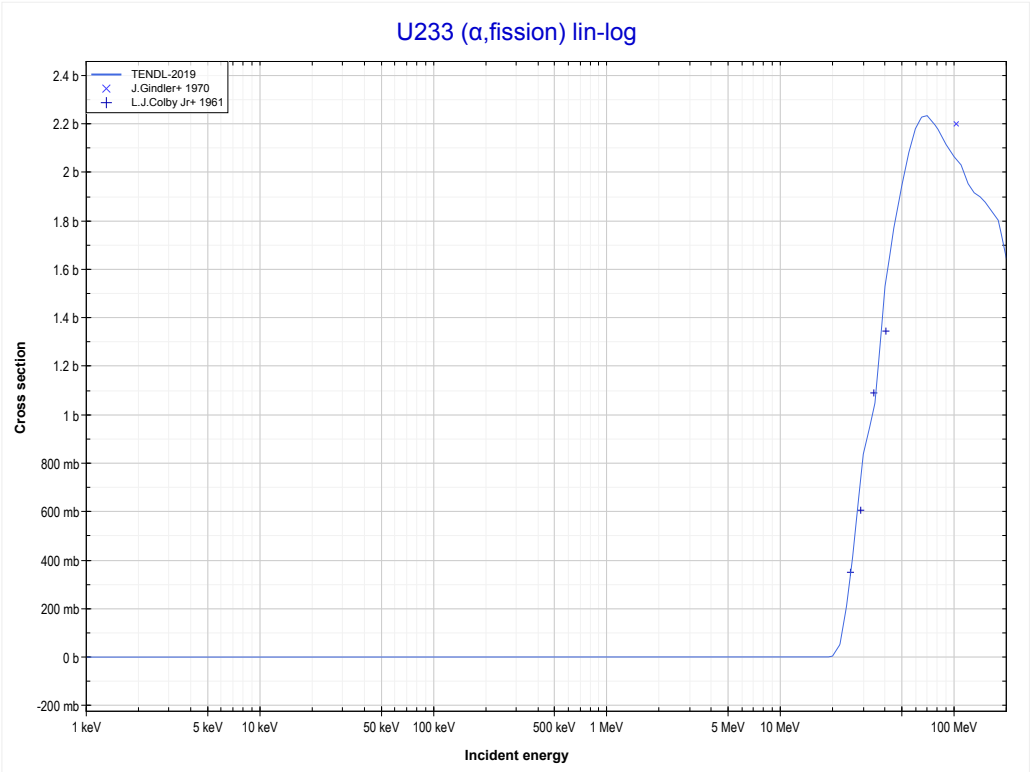
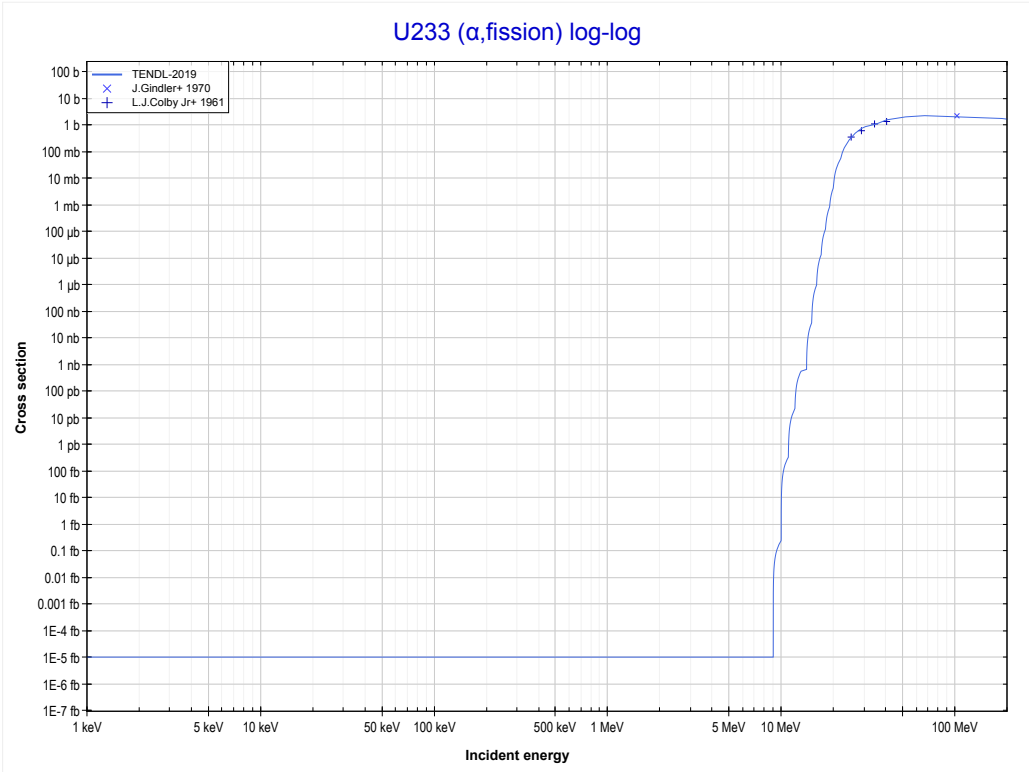
Reaction	Q-Value
U233($\alpha,2n$)Pu235	-18980.52 keV

<< 83-Bi-209	92-U-233	92-U-234 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Pu234 production)	MT18 ($\alpha,fission$) >>

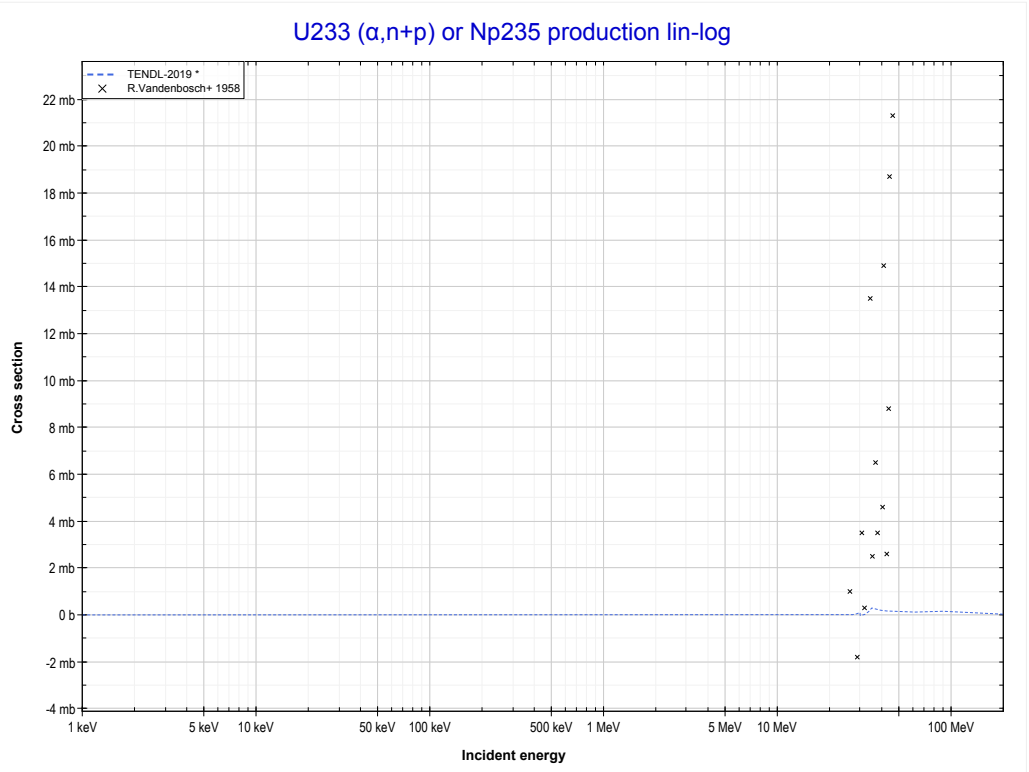
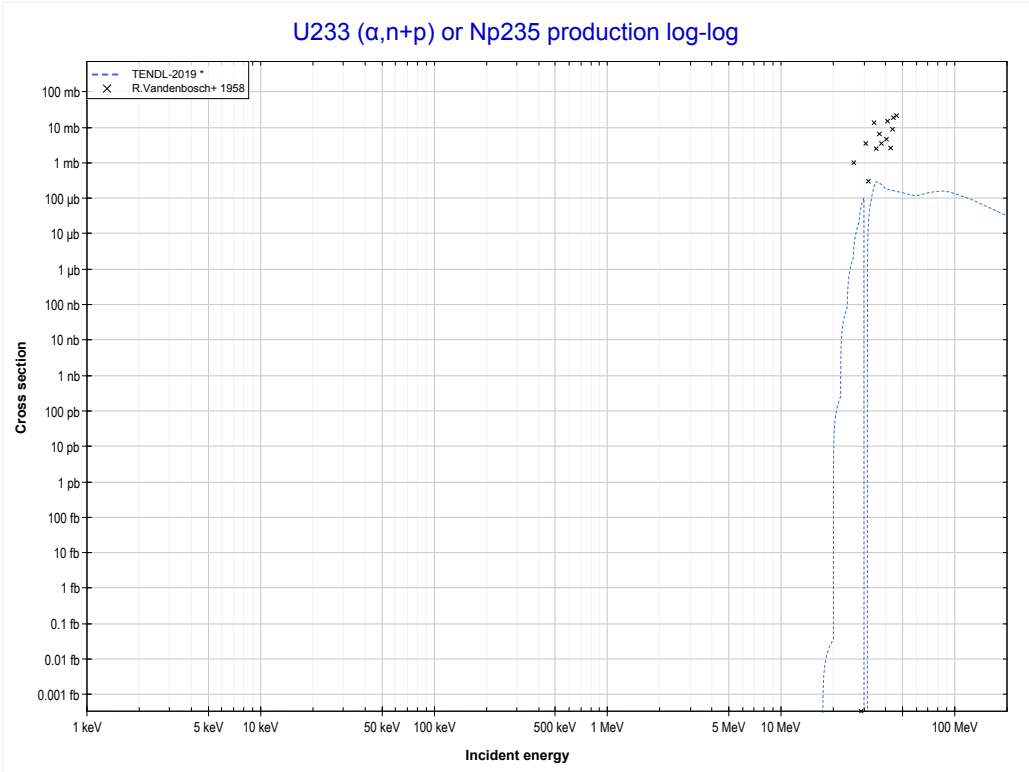


Reaction	Q-Value
U233($\alpha,3n$)Pu234	-25219.84 keV

<< 90-Th-232	92-U-233	92-U-234 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT28 (α ,n+p) >>

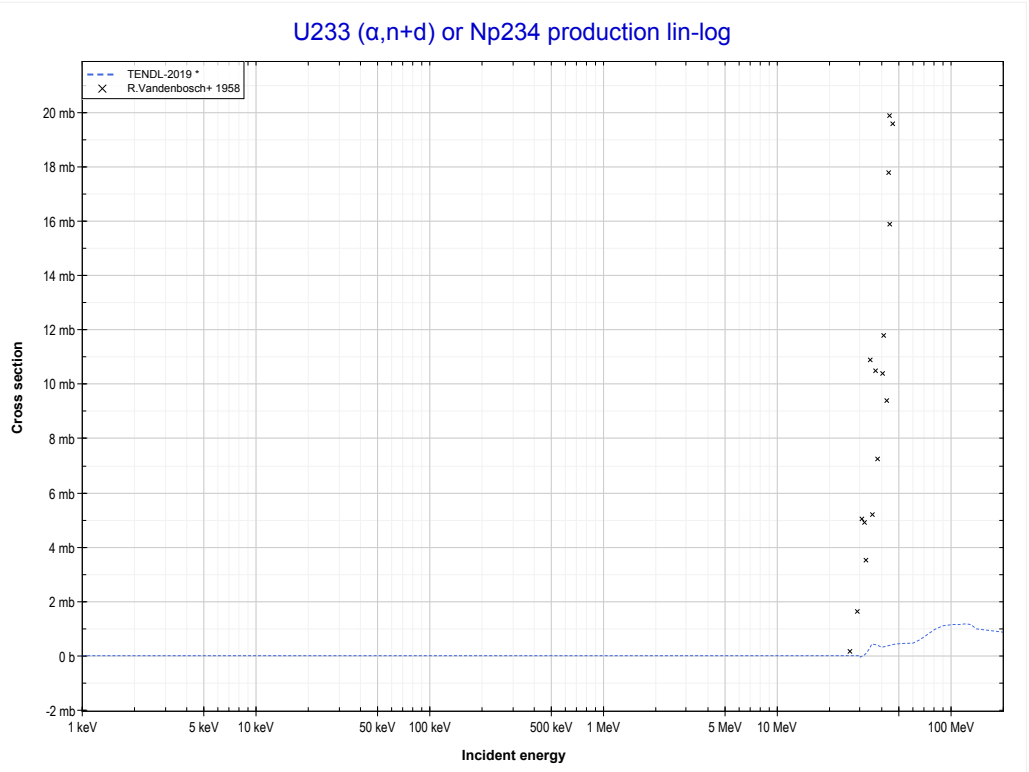
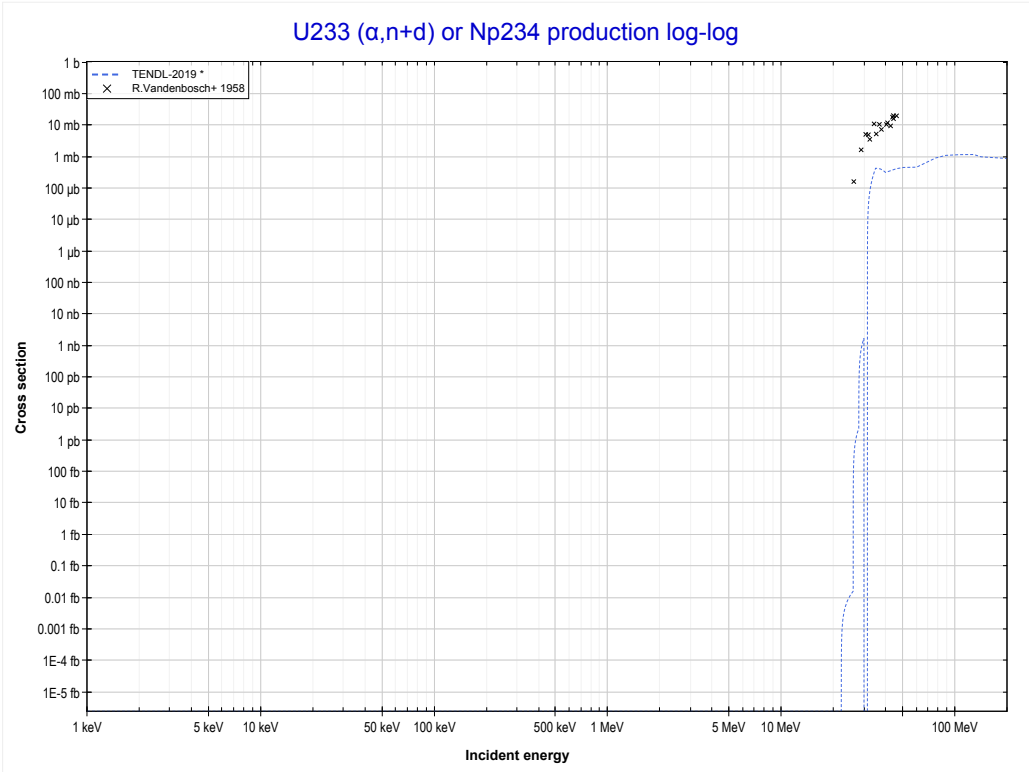


<< 83-Bi-209	92-U-233	94-Pu-238 >>
<< MT18 (α,fission)	MT28 (α,n+p) or MT5 (Np235 production)	MT32 (α,n+d) >>



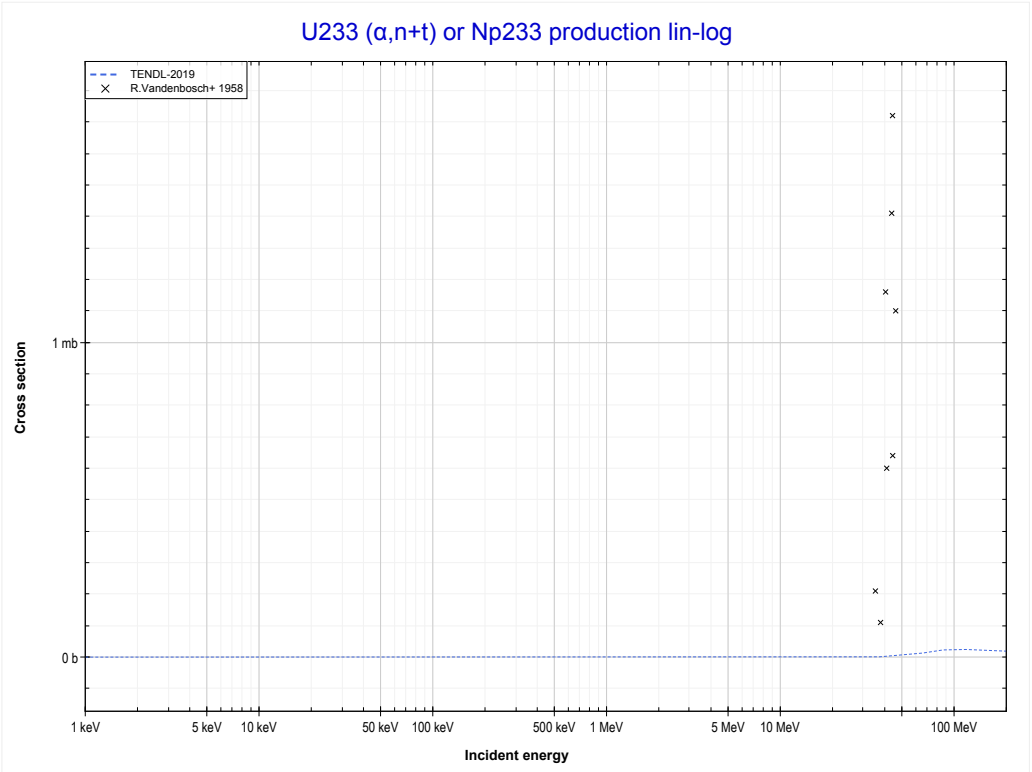
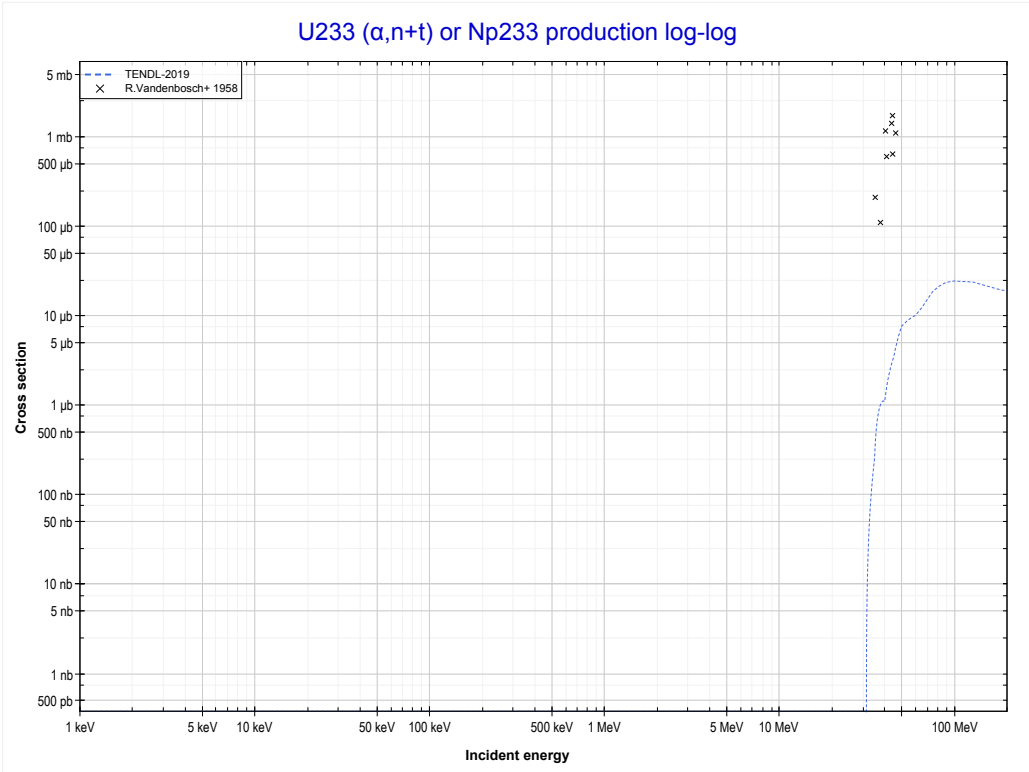
Reaction	Q-Value
U233(α,d)Np235	-14834.71 keV
U233(α,n+p)Np235	-17059.27 keV

<< 42-Mo-95	92-U-233	92-U-238 >>
<< MT28 (α,n+p)	MT32 (α,n+d) or MT5 (Np234 production)	MT33 (α,n+t) >>



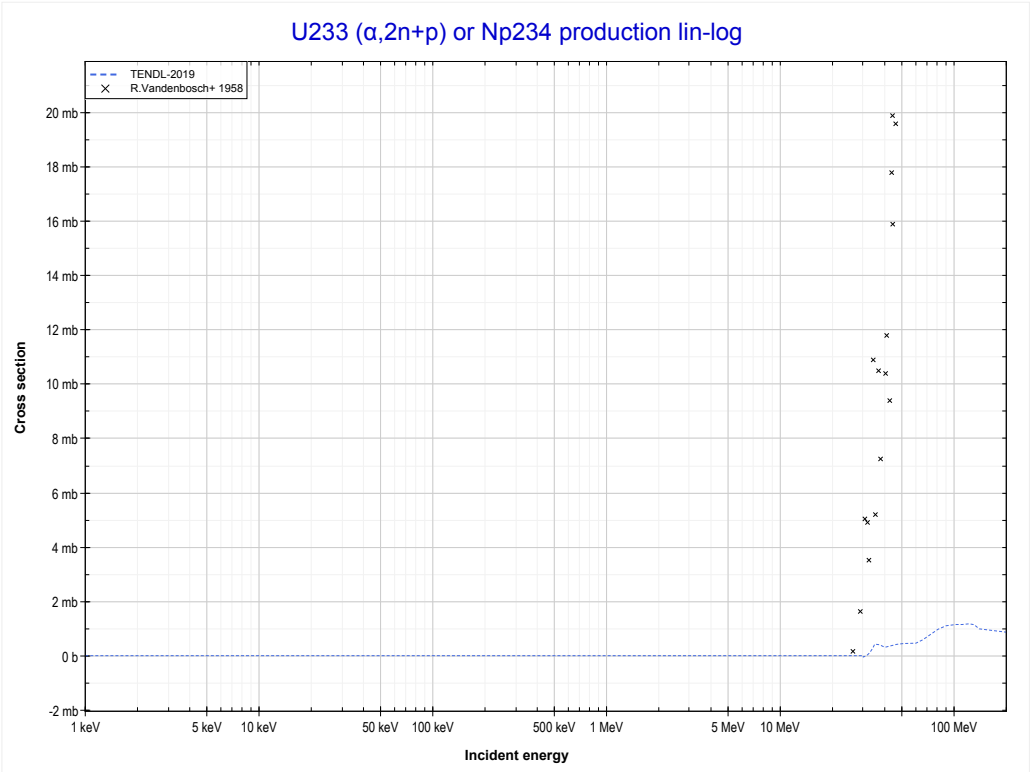
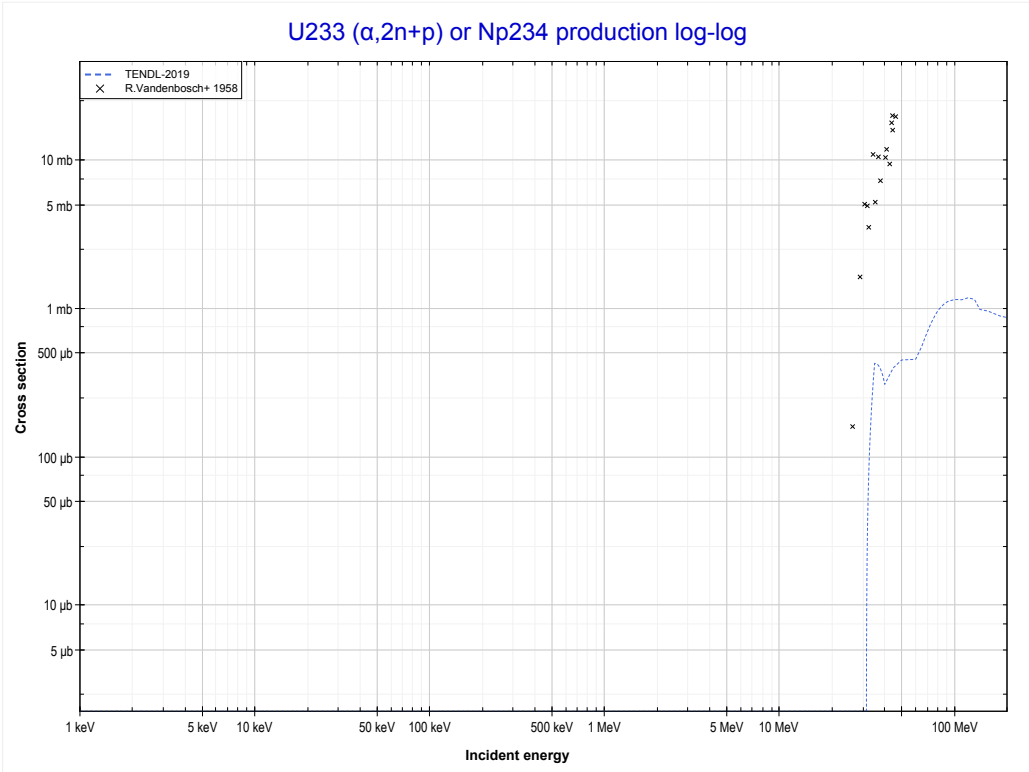
Reaction	Q-Value
U233(α,t)Np234	-15560.69 keV
U233(α,n+d)Np234	-21817.92 keV
U233(α,2n+p)Np234	-24042.49 keV

<< 90-Th-232	92-U-233	92-U-238 >>
<< MT32 (α,n+d)	MT33 (α,n+t) or MT5 (Np233 production)	MT41 (α,2n+p) >>



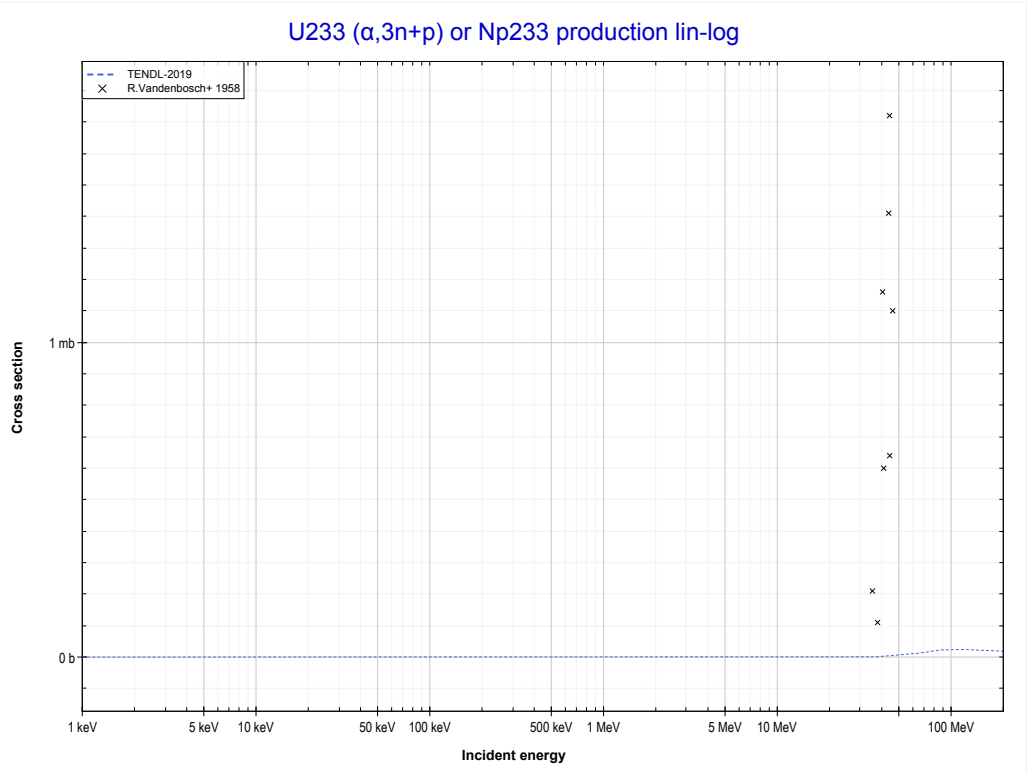
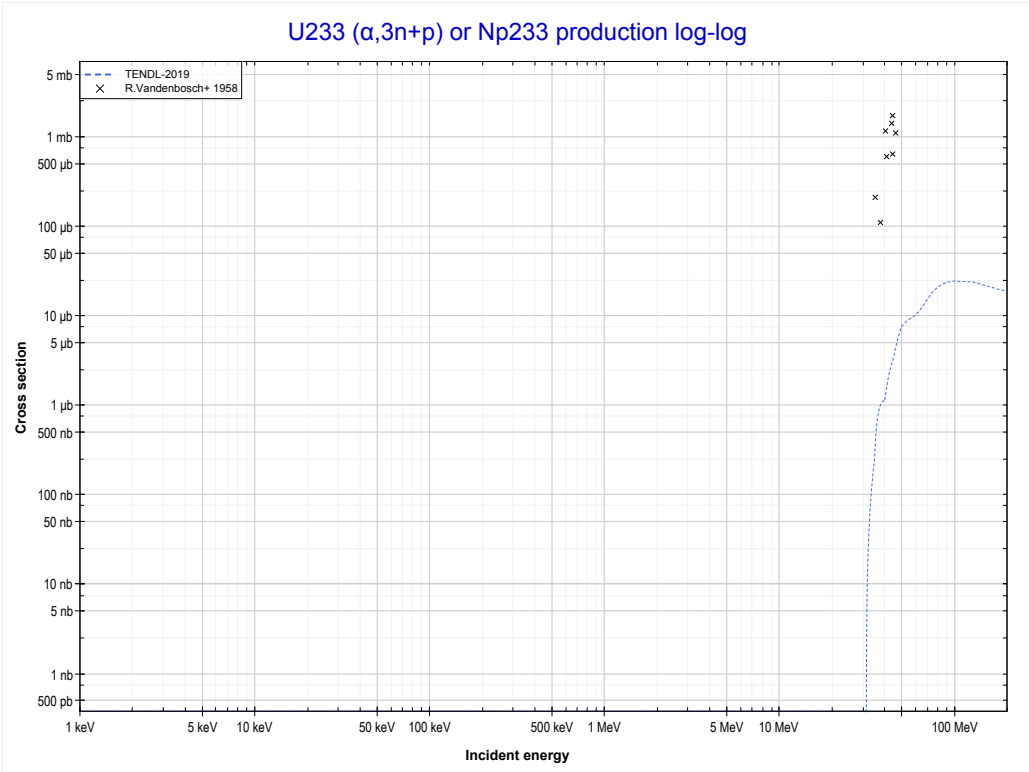
Reaction	Q-Value
U233(α,n+t)Np233	-21627.01 keV
U233(α,2n+d)Np233	-27884.24 keV
U233(α,3n+p)Np233	-30108.81 keV

<< 68-Er-167	92-U-233	92-U-238 >>
<< MT33 (α ,n+t)	MT41 (α ,2n+p) or MT5 (Np234 production)	MT42 (α ,3n+p) >>



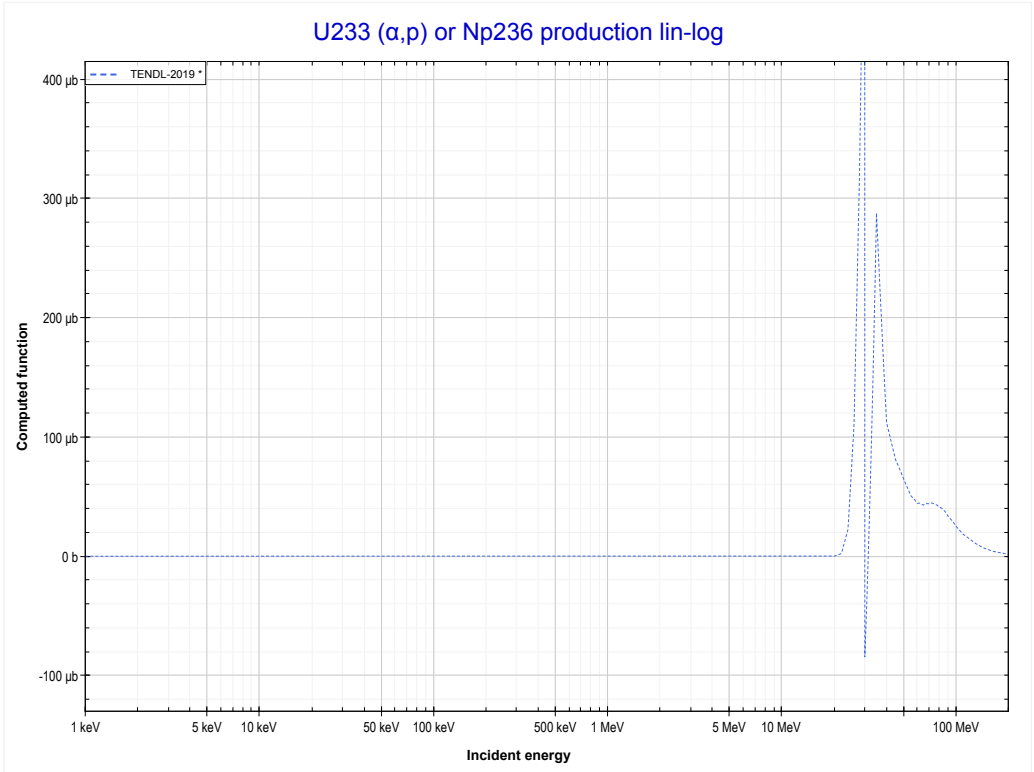
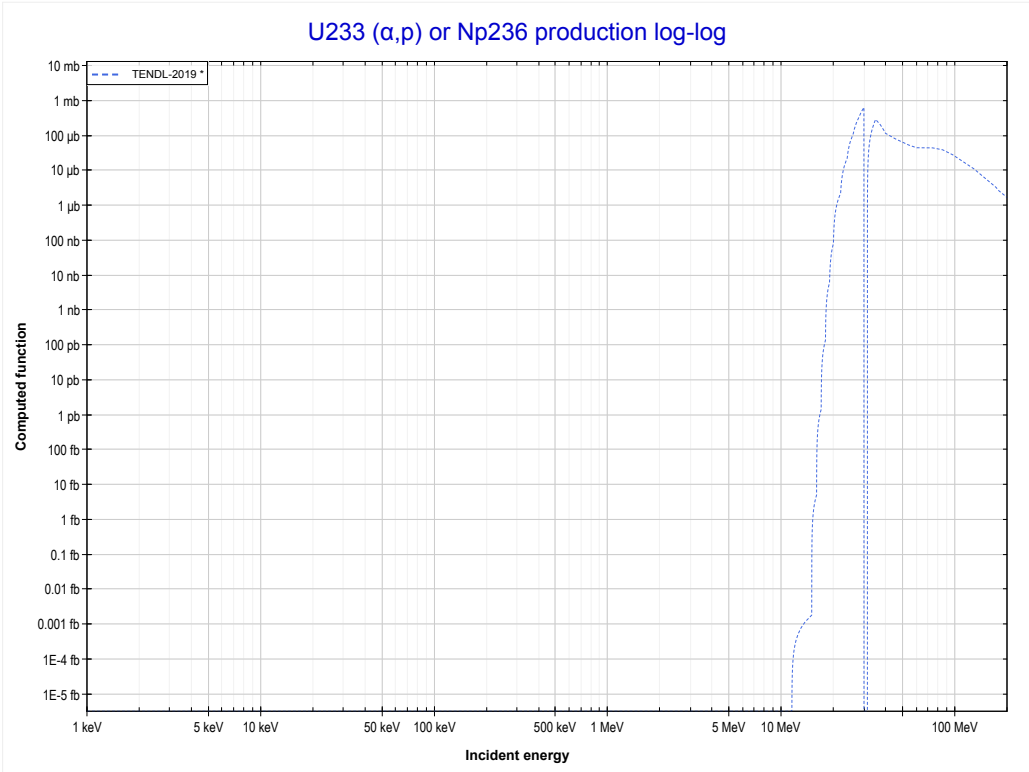
Reaction	Q-Value
U233(α ,t)Np234	-15560.69 keV
U233(α ,n+d)Np234	-21817.92 keV
U233(α ,2n+p)Np234	-24042.49 keV

<< 90-Th-232	92-U-233	92-U-238 >>
<< MT41 (α,2n+p)	MT42 (α,3n+p) or MT5 (Np233 production)	MT103 (α,p) >>



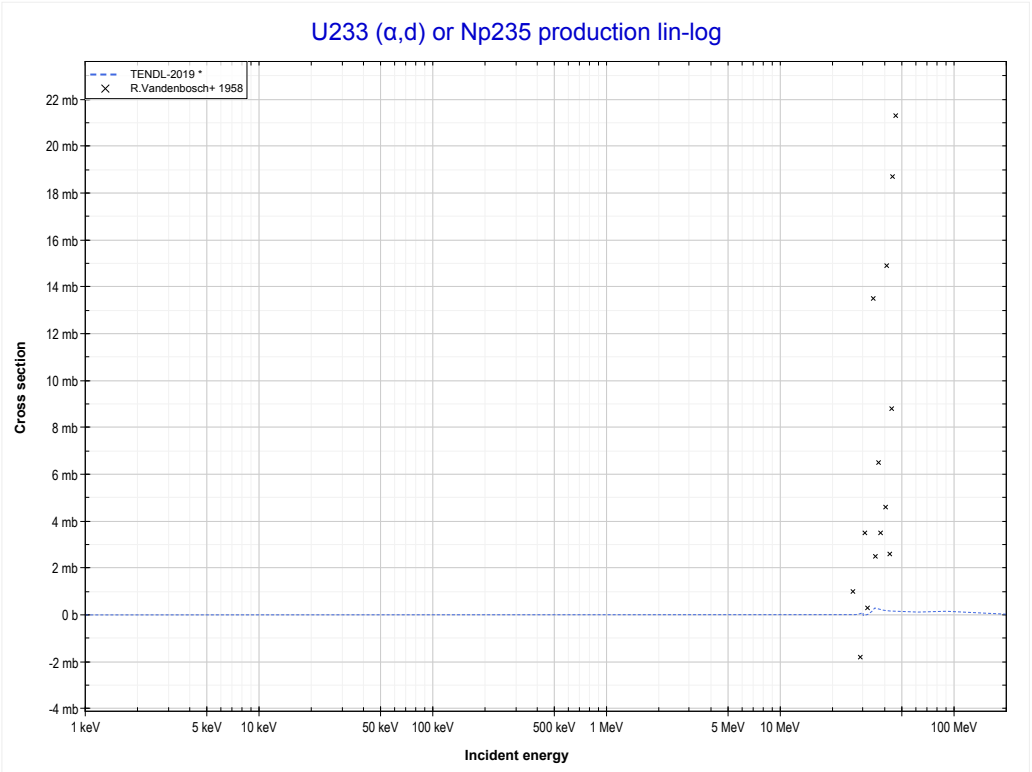
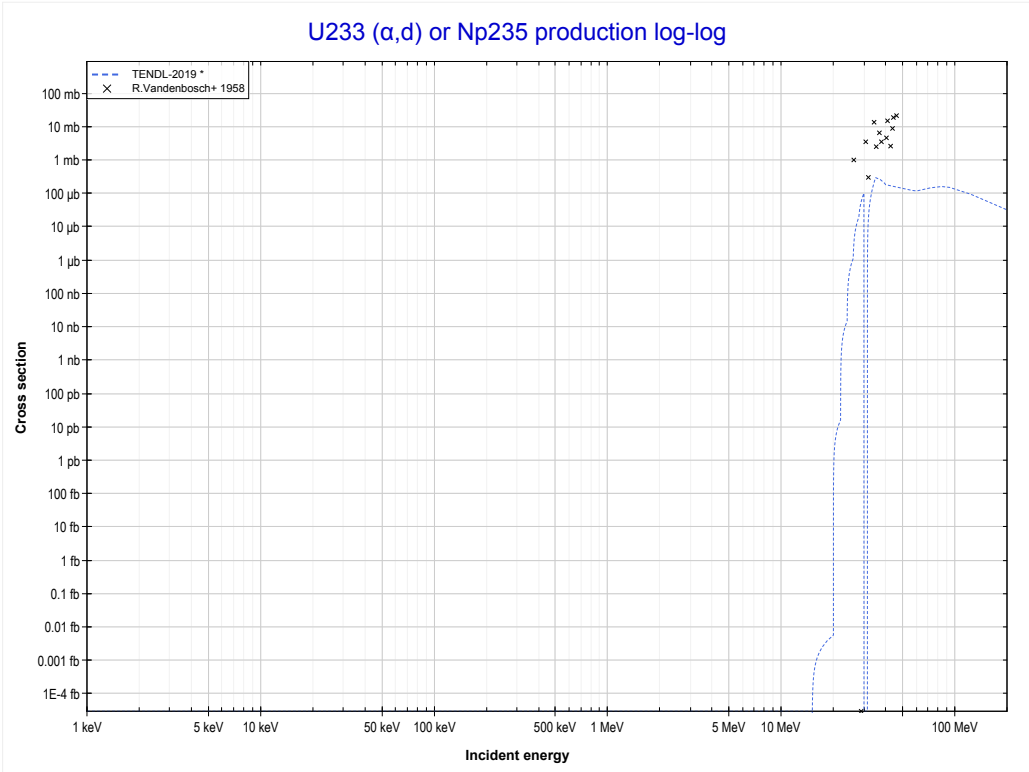
Reaction	Q-Value
U233(α,n+t)Np233	-21627.01 keV
U233(α,2n+d)Np233	-27884.24 keV
U233(α,3n+p)Np233	-30108.81 keV

<< 90-Th-232	92-U-233	92-U-235 >>
<< MT42 (α,3n+p)	MT103 (α,p) or MT5 (Np236 production)	MT104 (α,d) >>



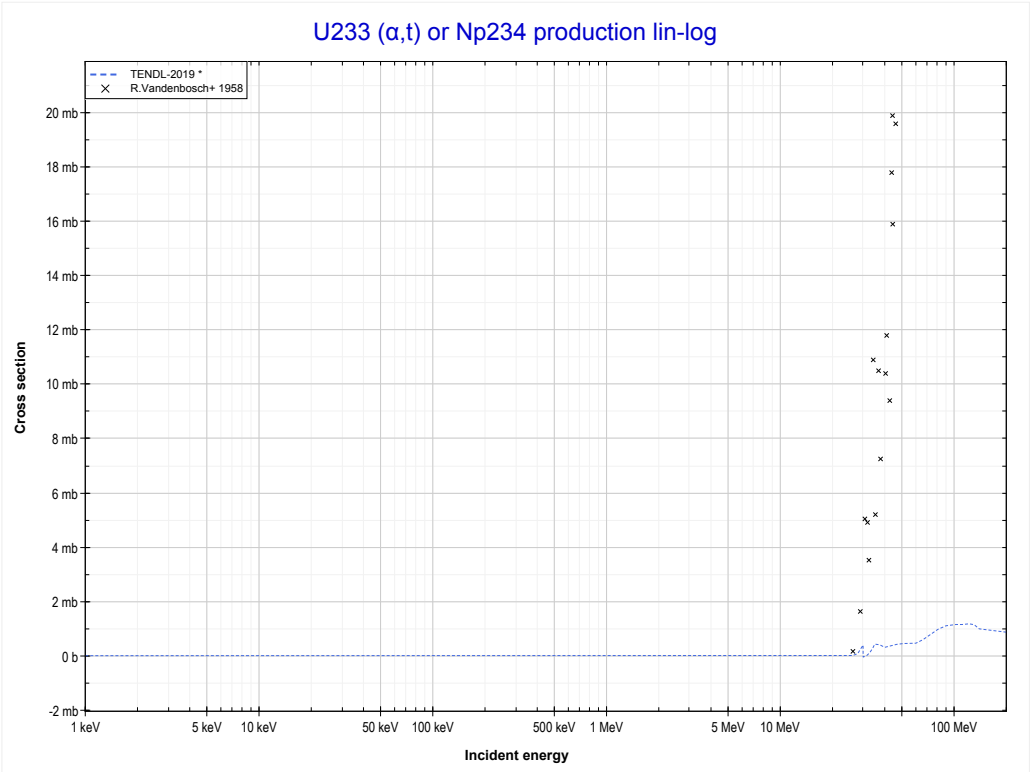
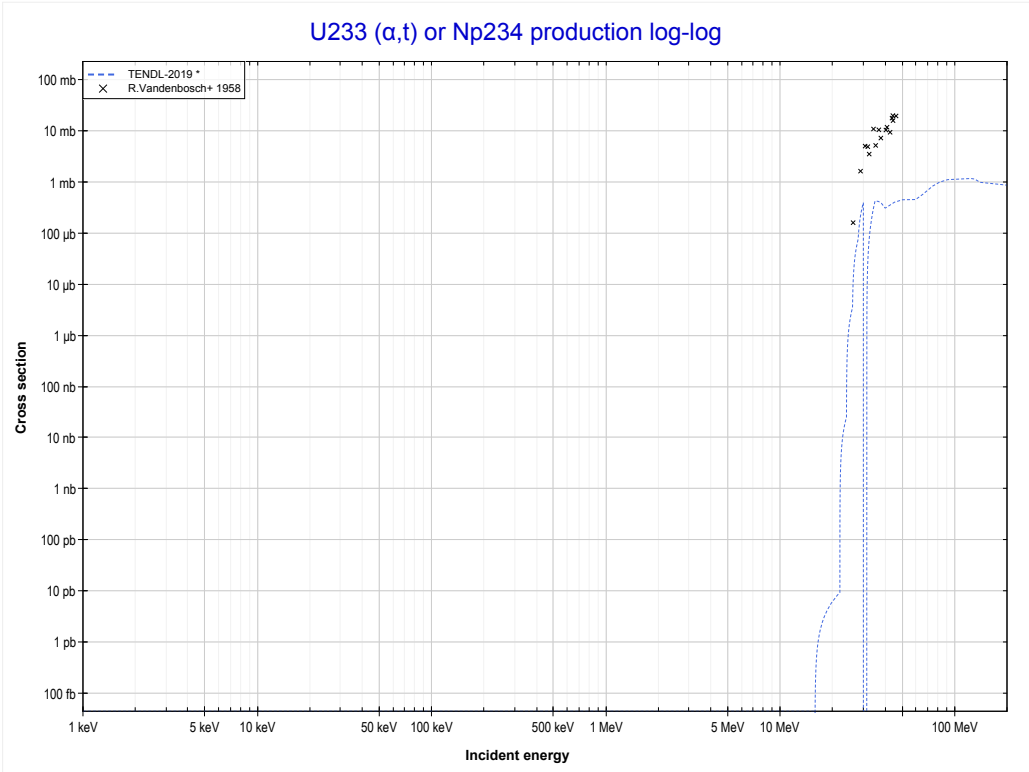
Reaction	Q-Value
U233(α,p)Np236	-11324.86 keV

<< 82-Pb-208	92-U-233	94-Pu-238 >>
<< MT103 (α,p)	MT104 (α,d) or MT5 (Np235 production)	MT105 (α,t) >>



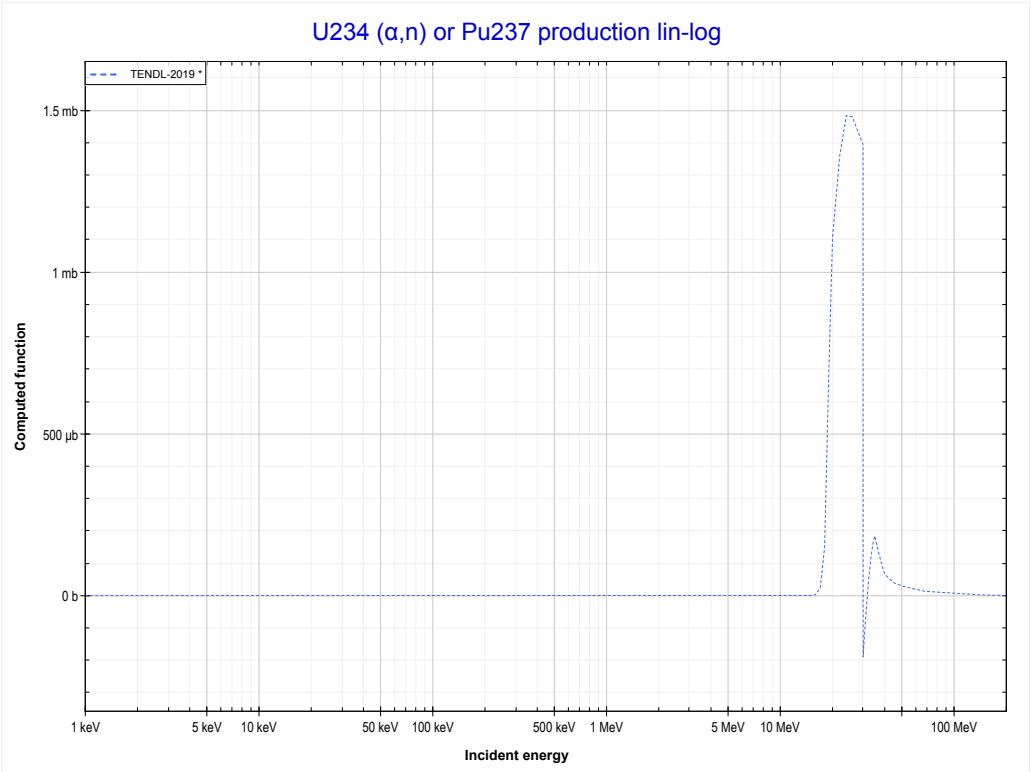
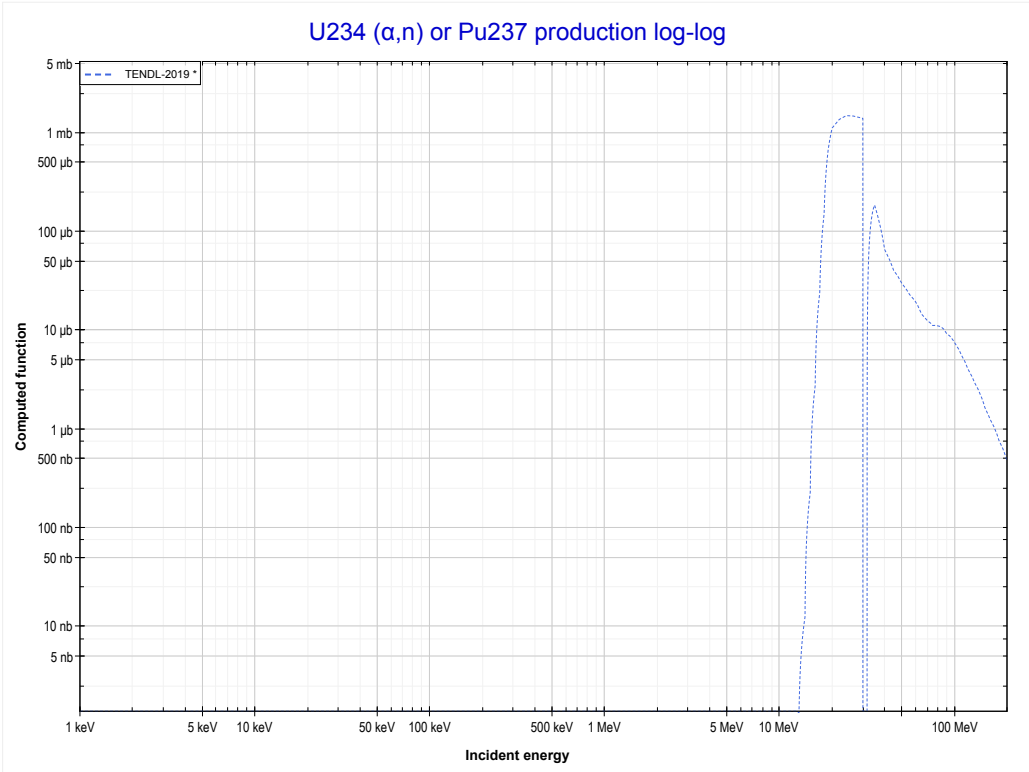
Reaction	Q-Value
U233(α,d)Np235	-14834.71 keV
U233(α,n+p)Np235	-17059.27 keV

<< 42-Mo-95	92-U-233	92-U-235 >>
<< MT104 (α,d)	MT105 (α,t) or MT5 (Np234 production)	92-U-234 MT4 (α,n) >>



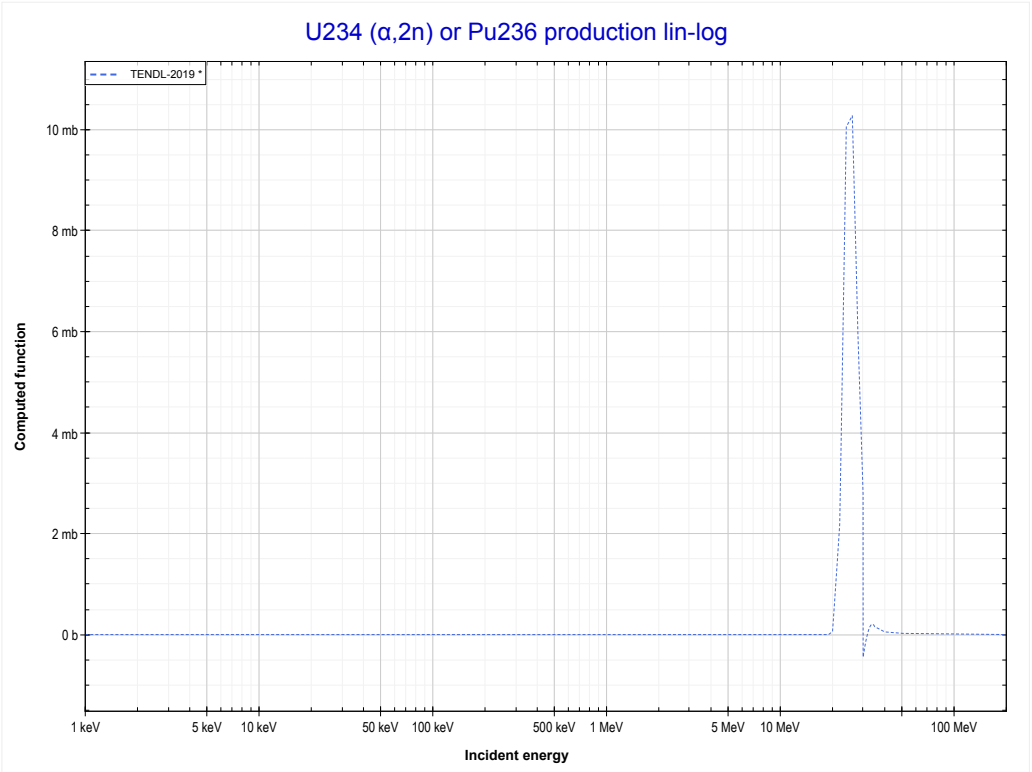
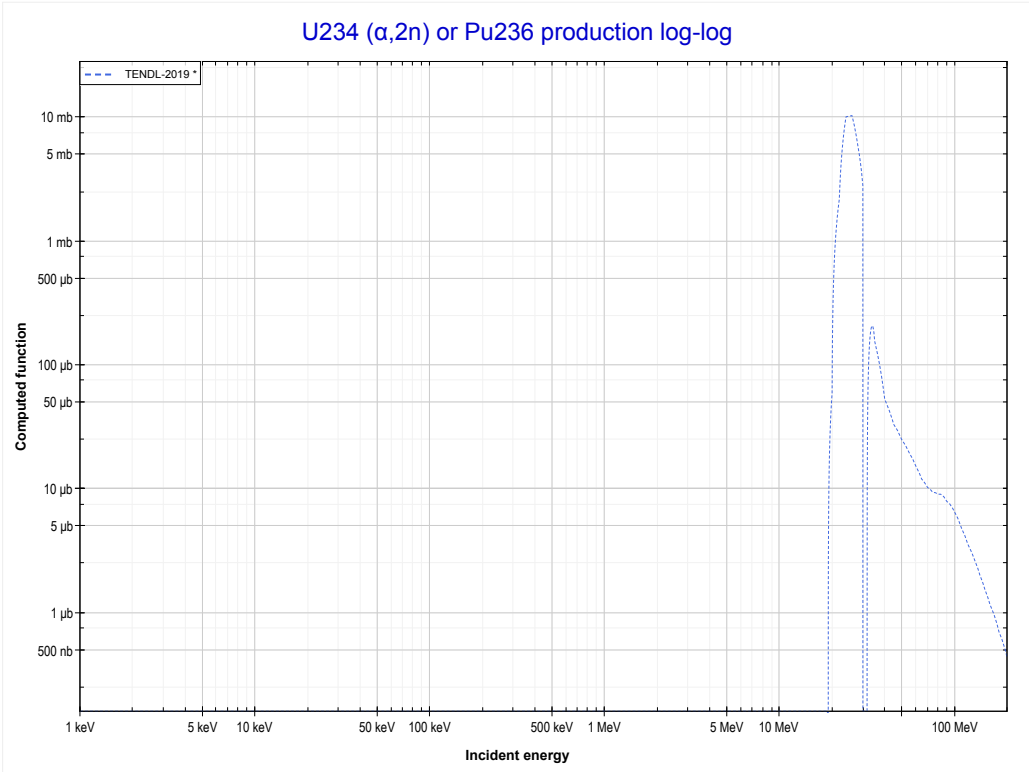
Reaction	Q-Value
U233(α,t)Np234	-15560.69 keV
U233(α,n+d)Np234	-21817.92 keV
U233(α,2n+p)Np234	-24042.49 keV

<< 92-U-233	92-U-234	92-U-235 >>
<< 92-U-233 MT105 (α,t)	MT4 (α,n) or MT5 (Pu237 production)	MT16 (α,2n) >>



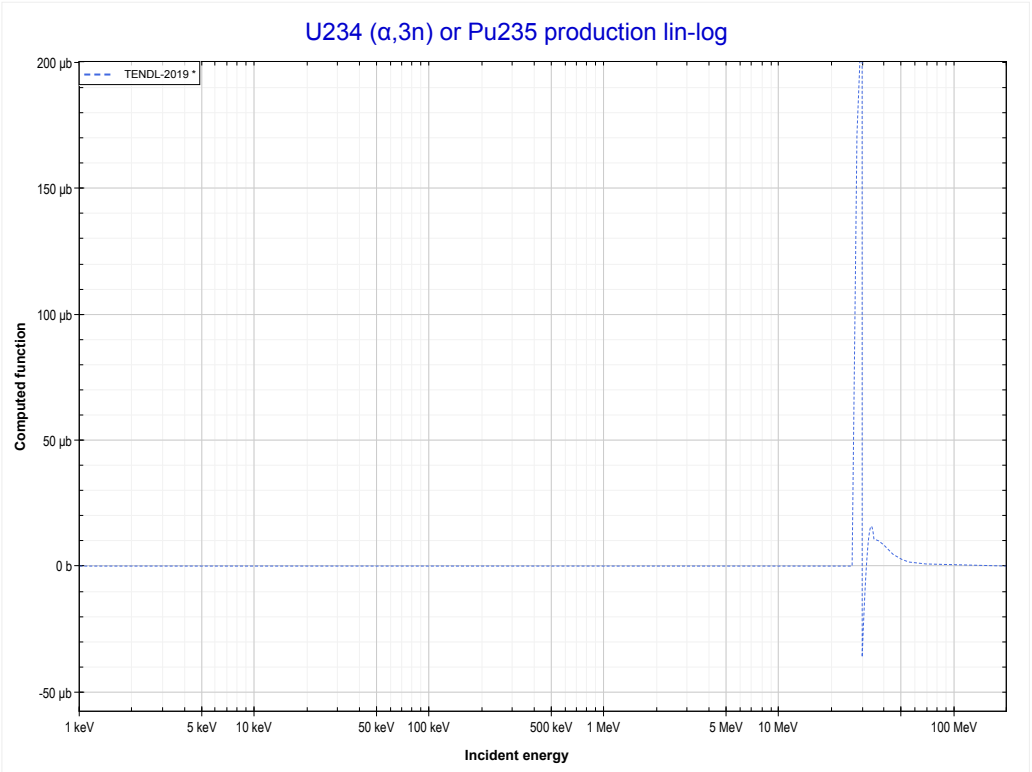
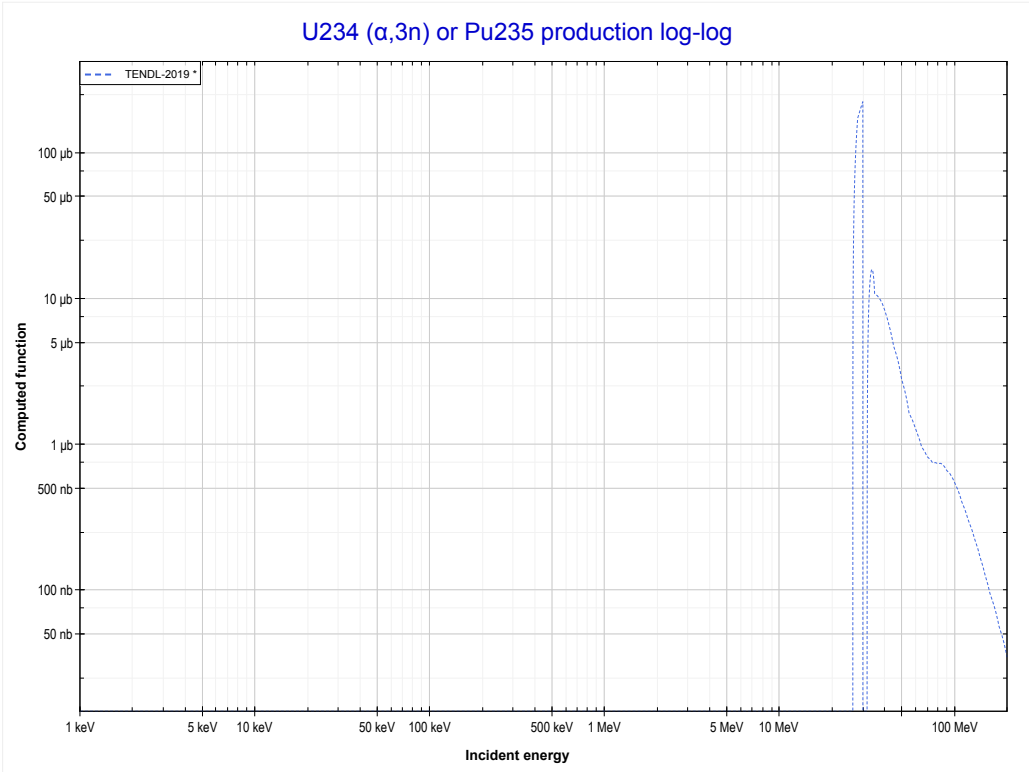
Reaction	Q-Value
U234(α,n)Pu237	-12593.10 keV

<< 92-U-233	92-U-234	92-U-235 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Pu236 production)	MT17 (α,3n) >>



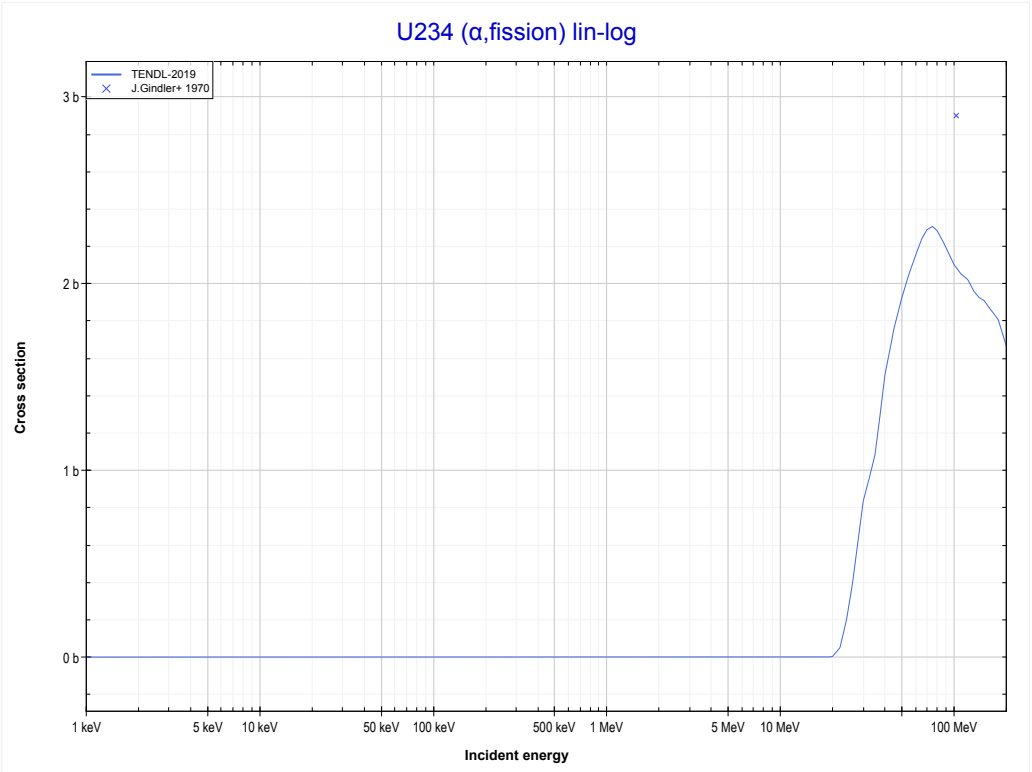
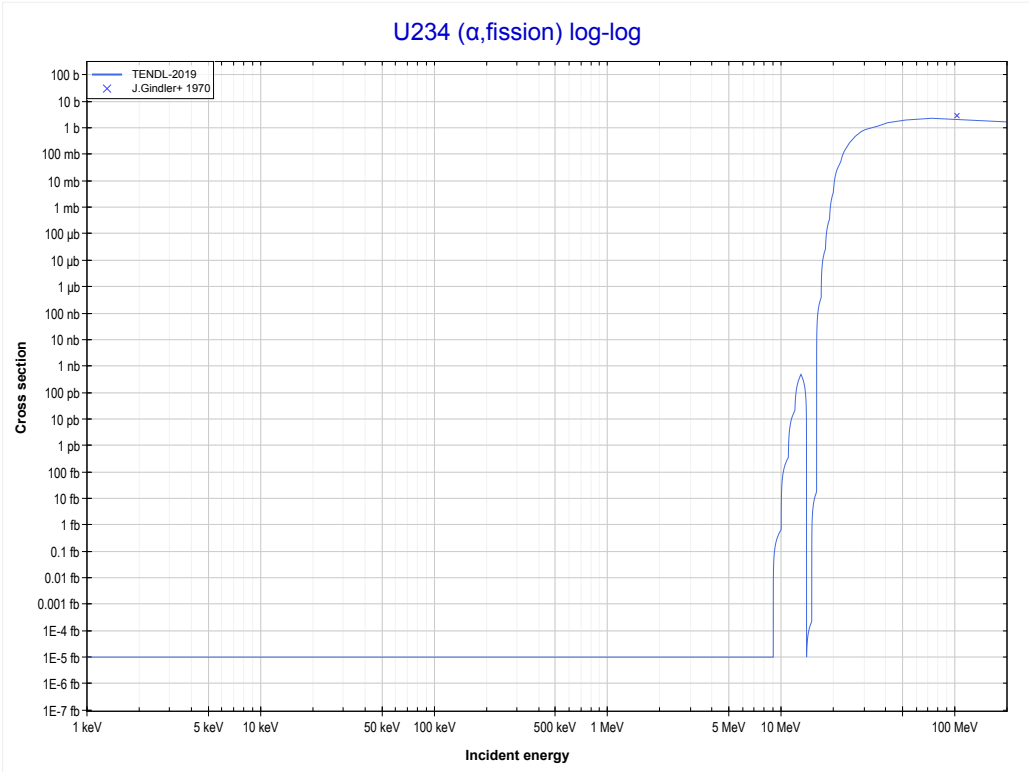
Reaction	Q-Value
U234(α,2n)Pu236	-18474.32 keV

<< 92-U-233	92-U-234	92-U-235 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Pu235 production)	MT18 ($\alpha,fission$) >>

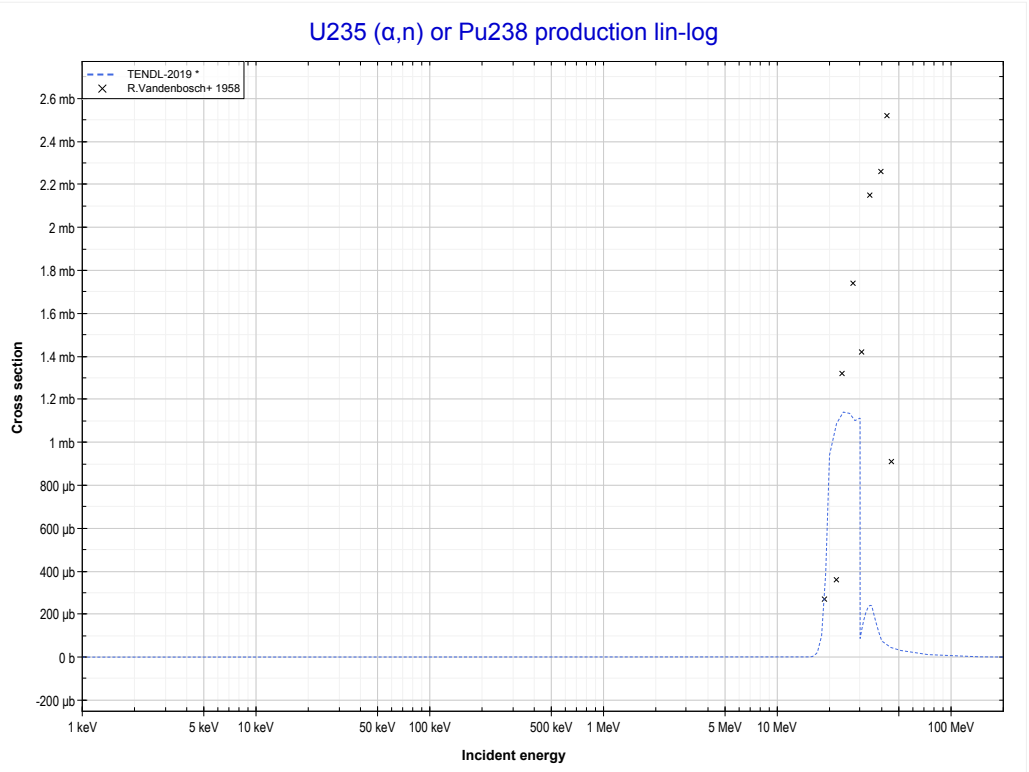
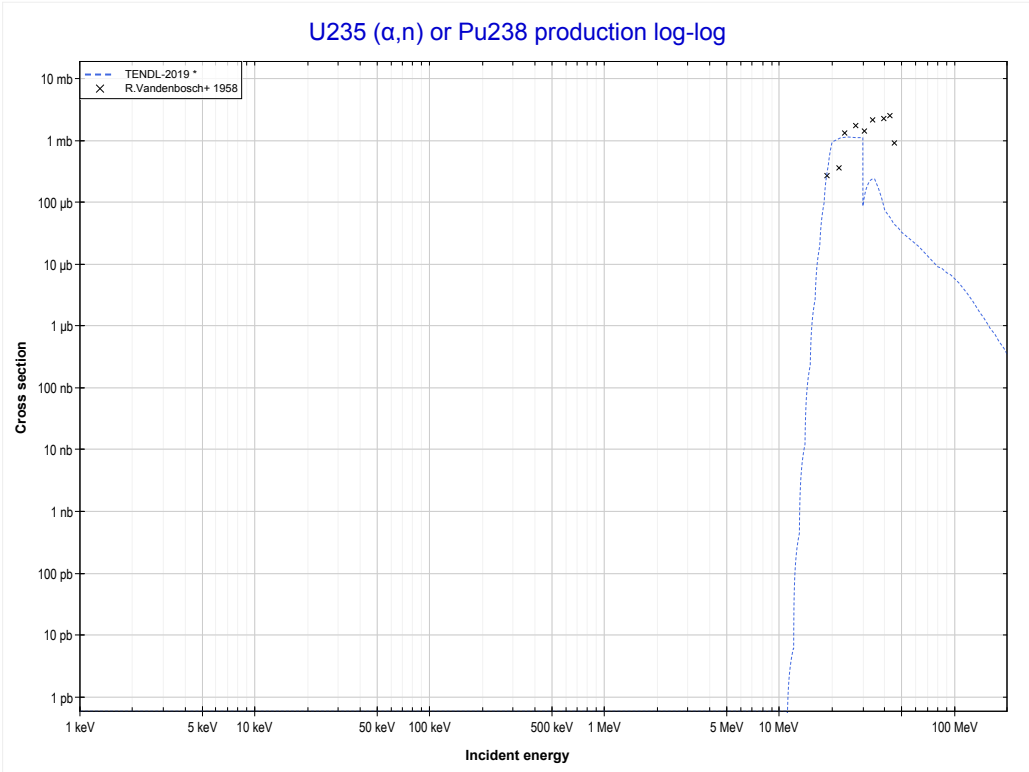


Reaction	Q-Value
U234($\alpha,3n$)Pu235	-25826.04 keV

<< 92-U-233	92-U-234	92-U-235 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	92-U-235 MT4 (α,n) >>

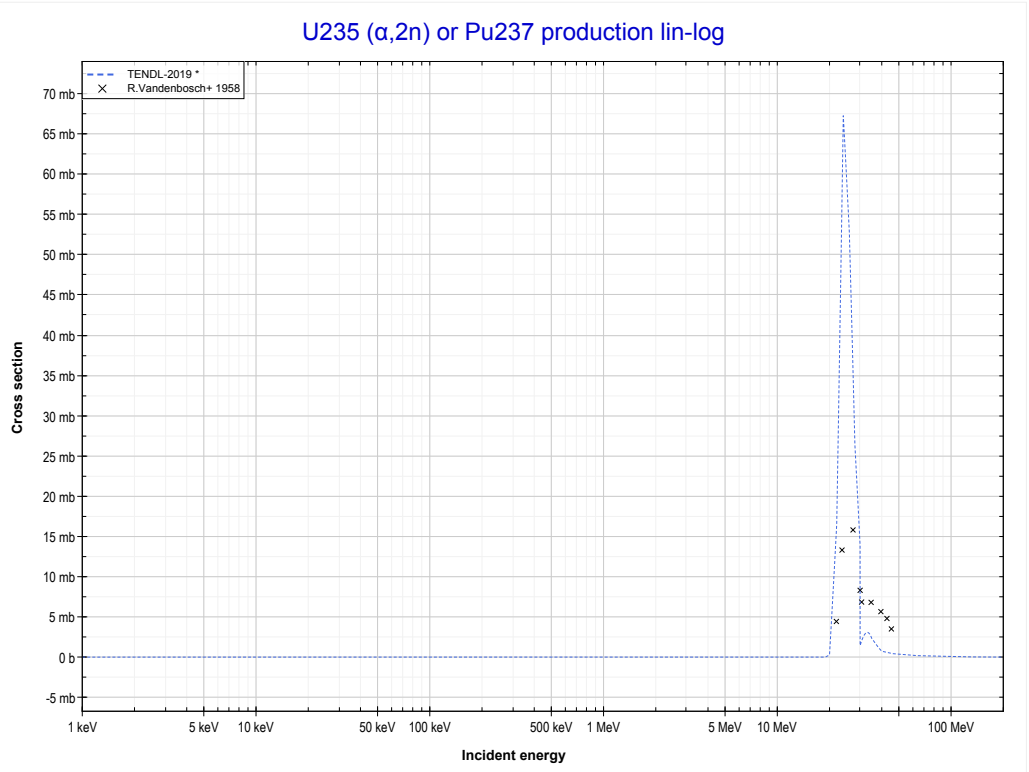
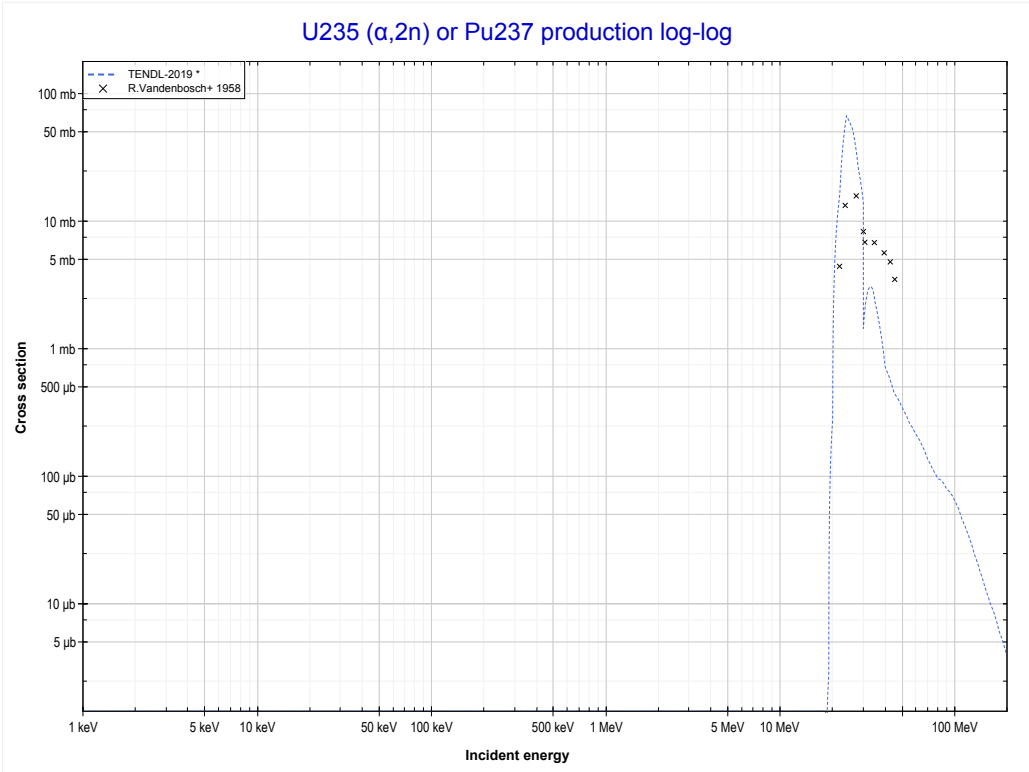


<< 92-U-234	92-U-235	93-Np-237 >>
<< 92-U-234 MT18 (α,fission)	MT4 (α,n) or MT5 (Pu238 production)	MT16 (α,2n) >>



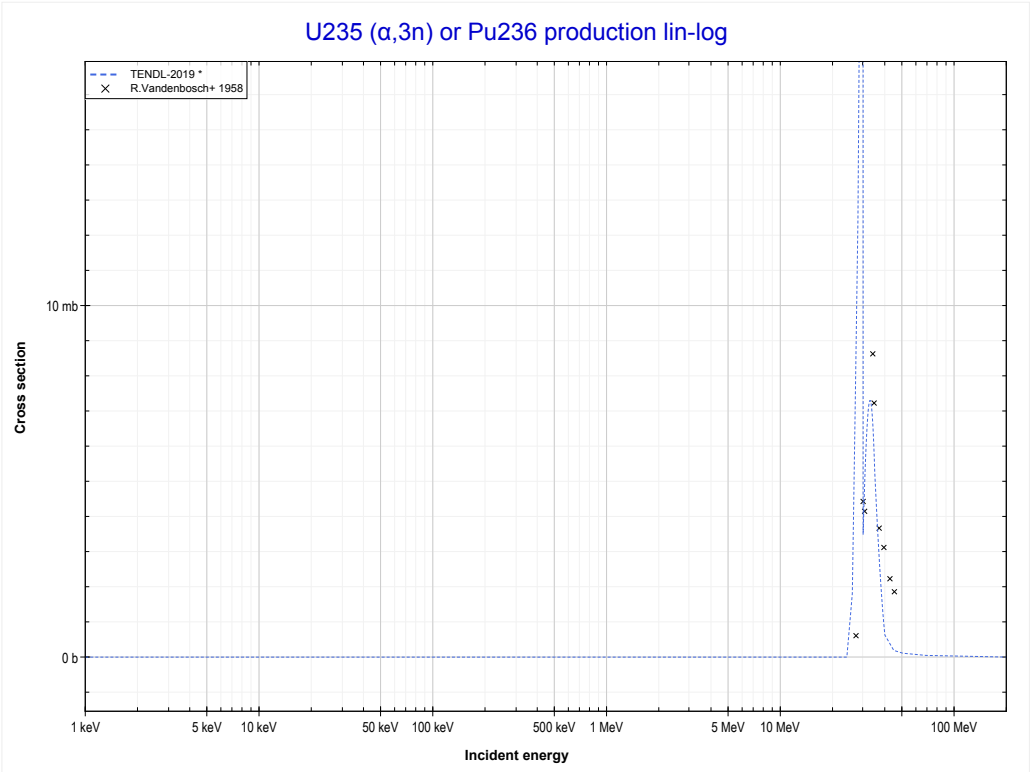
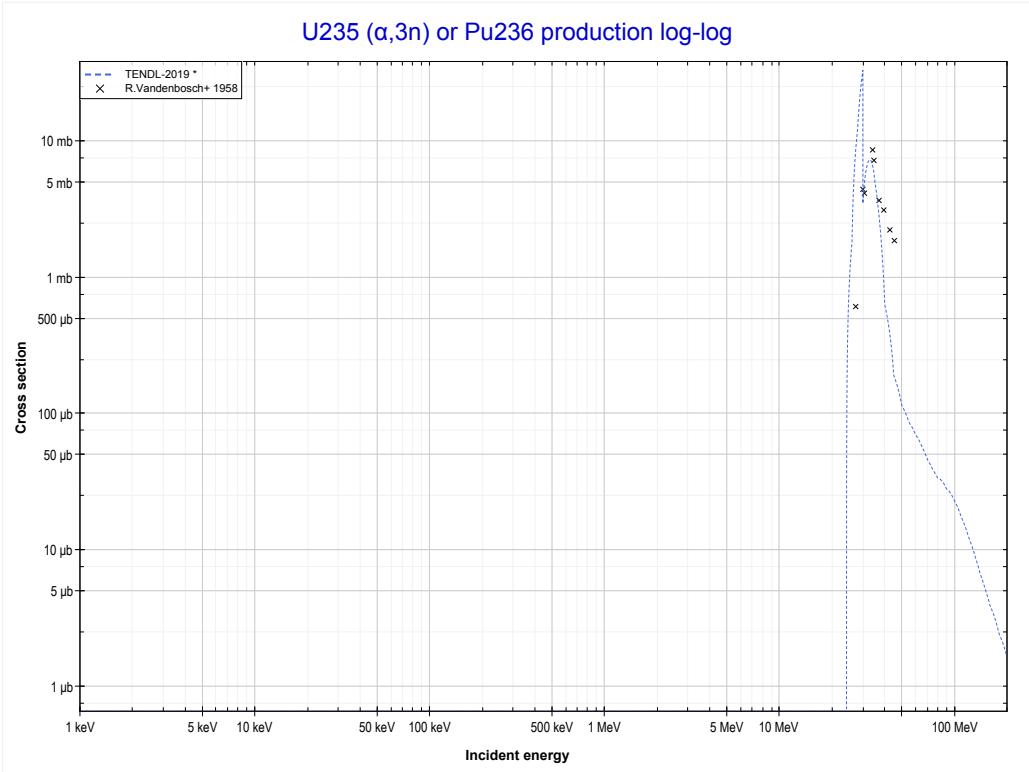
Reaction	Q-Value
U235(α,n)Pu238	-10890.80 keV

<< 92-U-234	92-U-235	92-U-238 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Pu237 production)	MT17 (α,3n) >>



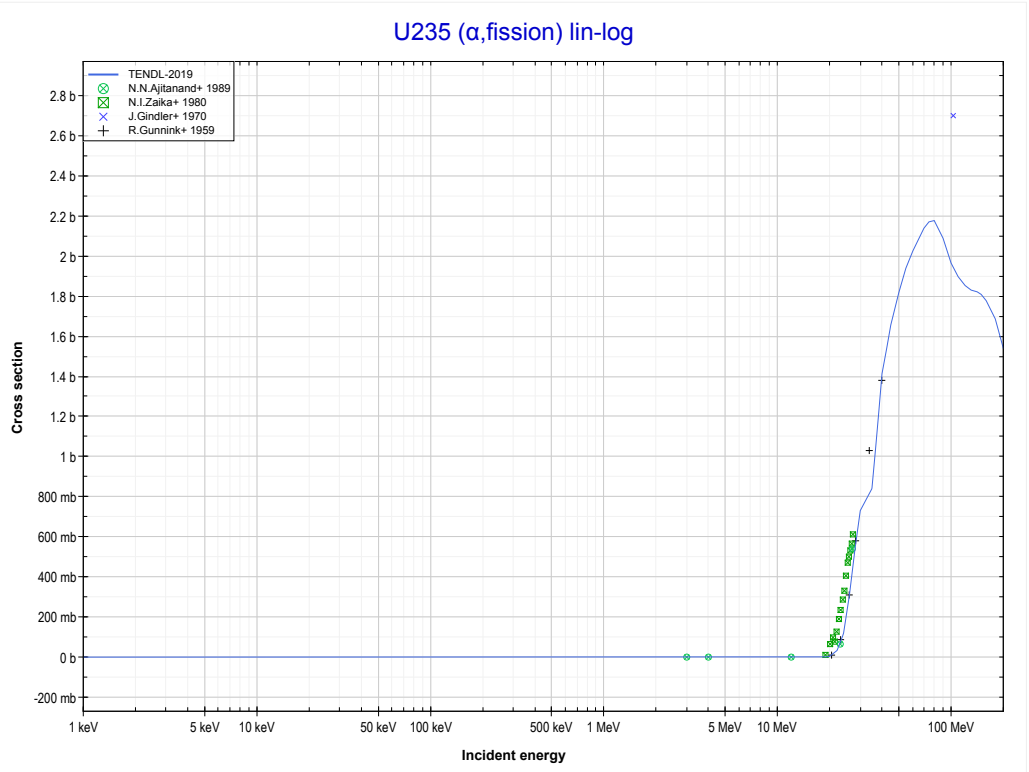
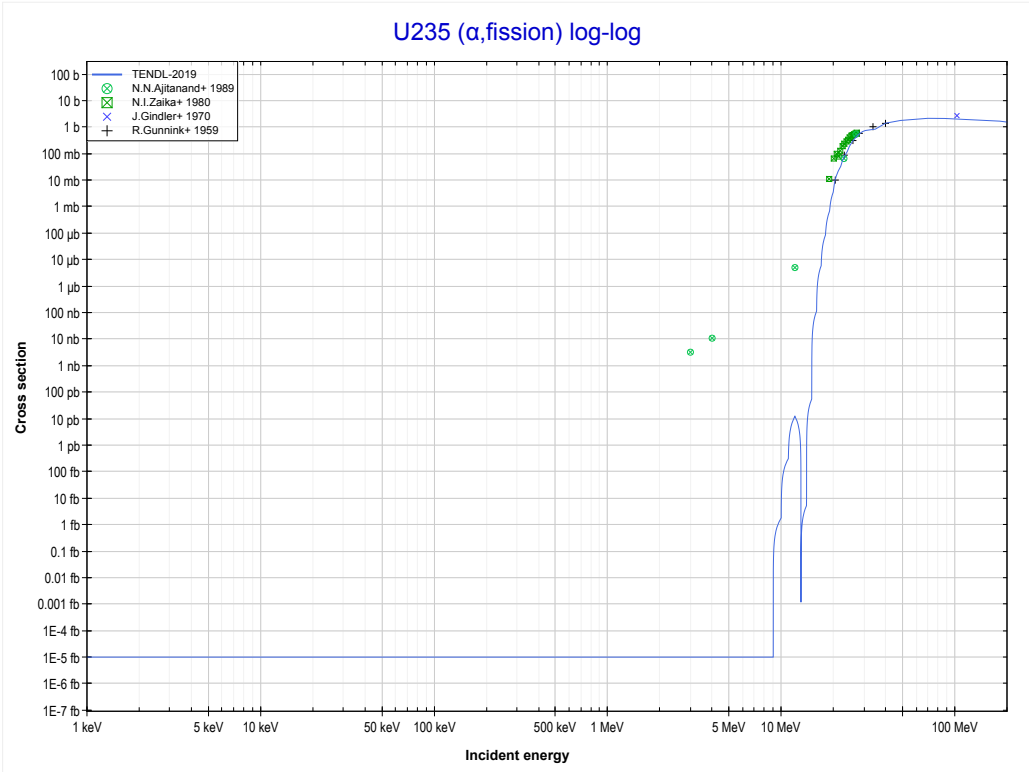
Reaction	Q-Value
U235(α,2n)Pu237	-17890.62 keV

<< 92-U-234	92-U-235	92-U-238 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Pu236 production)	MT18 (α ,fission) >>

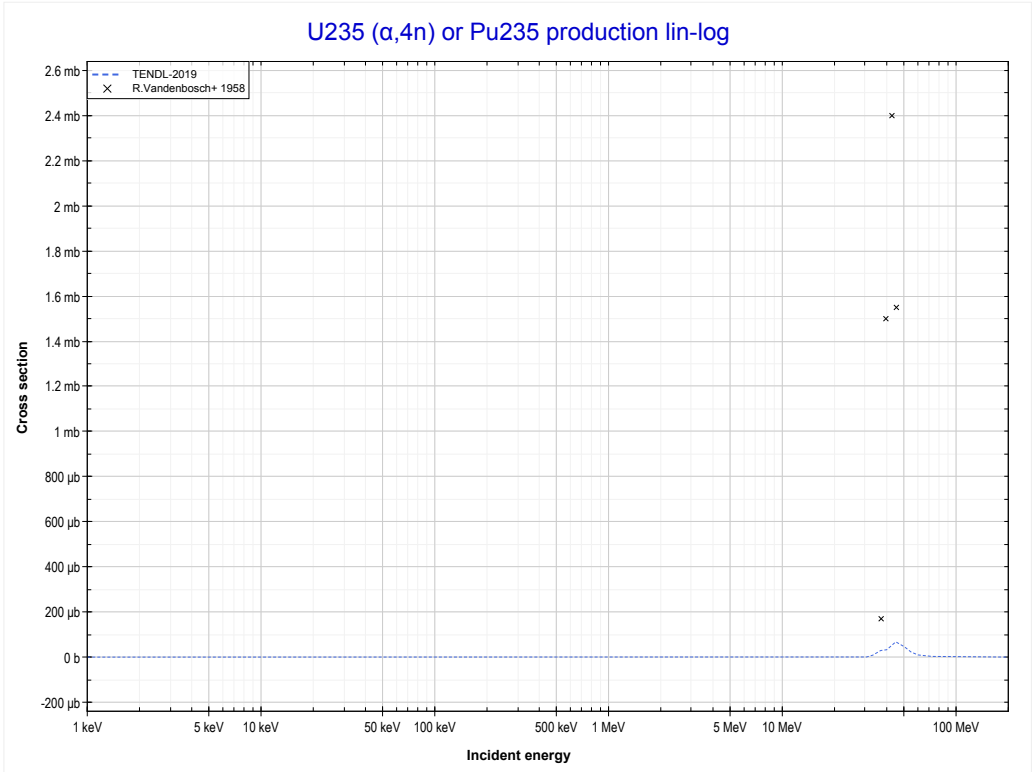
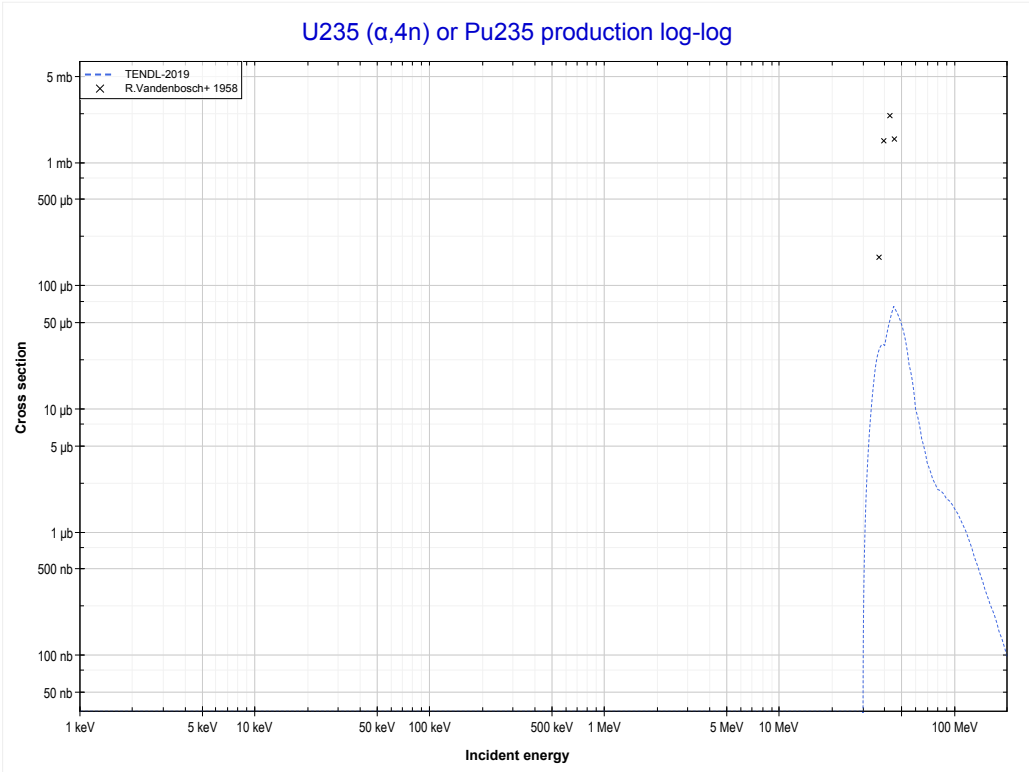


Reaction	Q-Value
U235($\alpha,3n$)Pu236	-23771.84 keV

<< 92-U-234	92-U-235	92-U-238 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT37 ($\alpha,4n$) >>

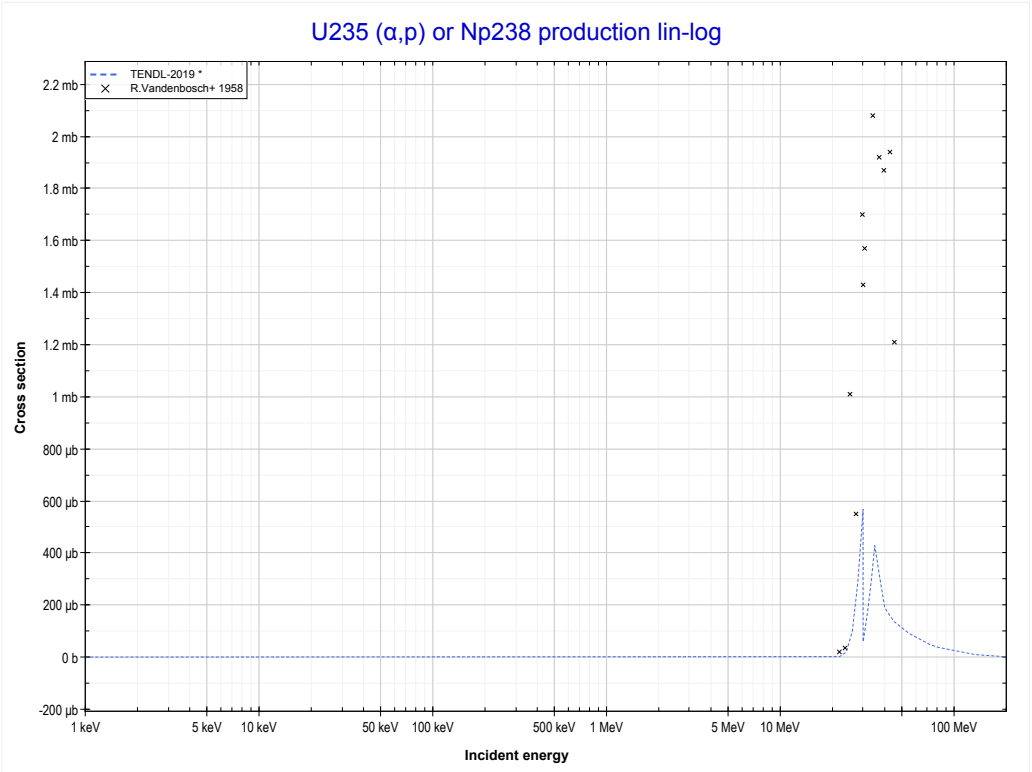
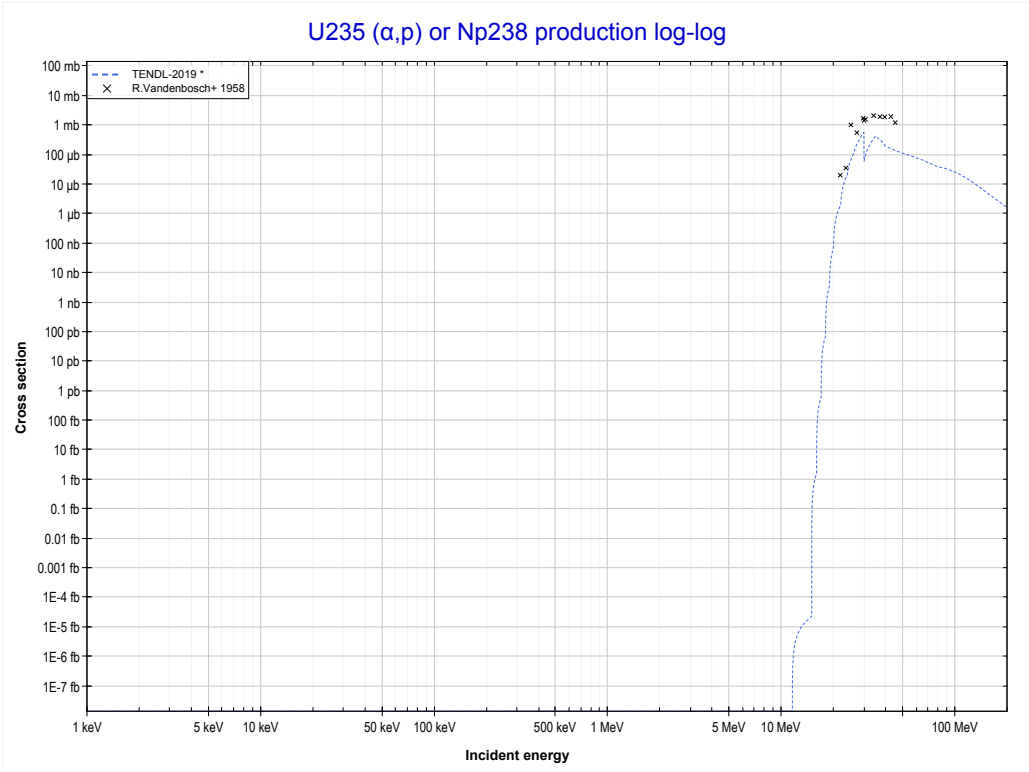


<< 90-Th-232	92-U-235	92-U-238 >>
<< MT18 (α,fission)	MT37 (α,4n) or MT5 (Pu235 production)	MT103 (α,p) >>



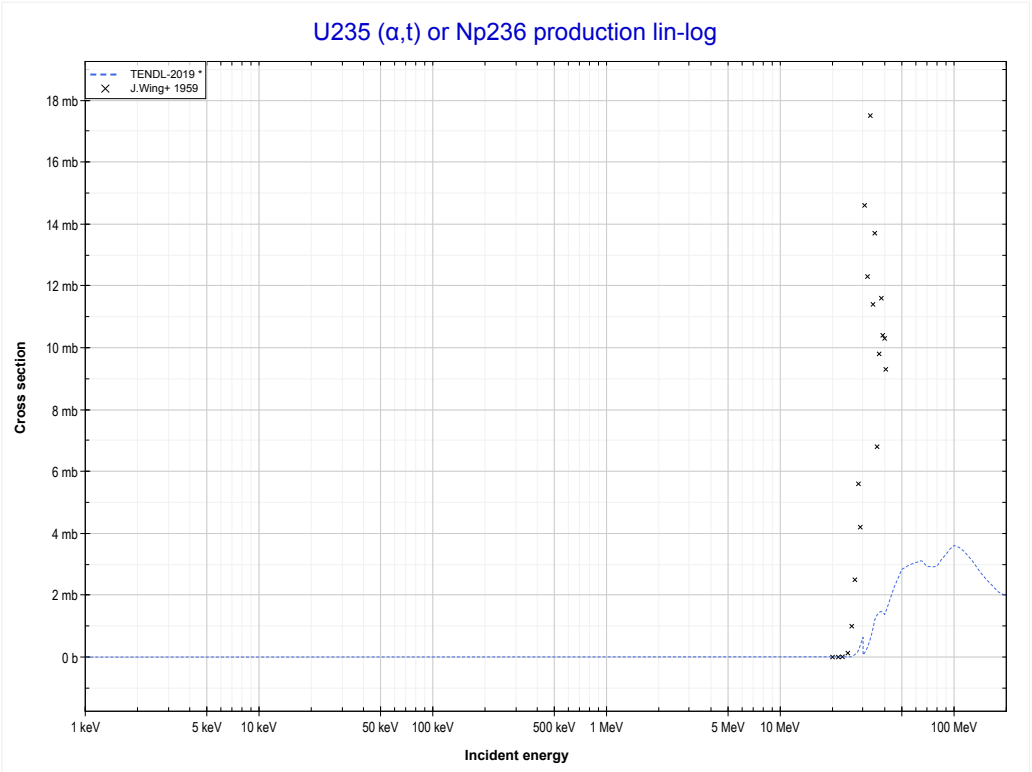
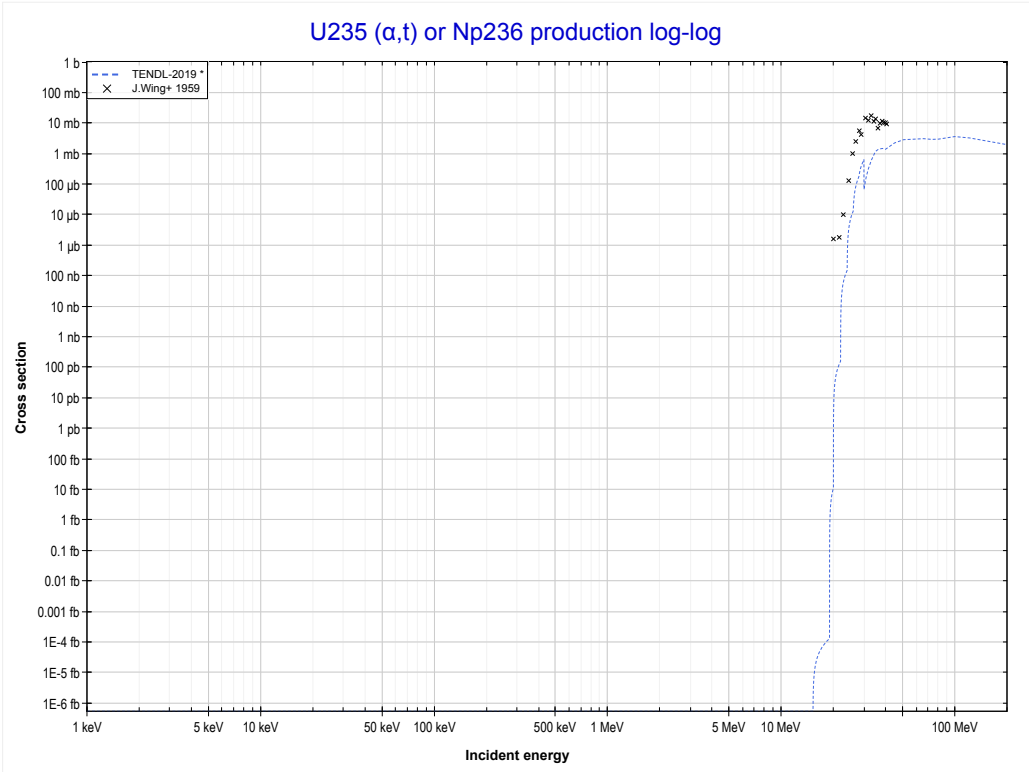
Reaction	Q-Value
U235(α,4n)Pu235	-31123.55 keV

<< 92-U-233	92-U-235	94-Pu-239 >>
<< MT37 (α,4n)	MT103 (α,p) or MT5 (Np238 production)	MT105 (α,t) >>



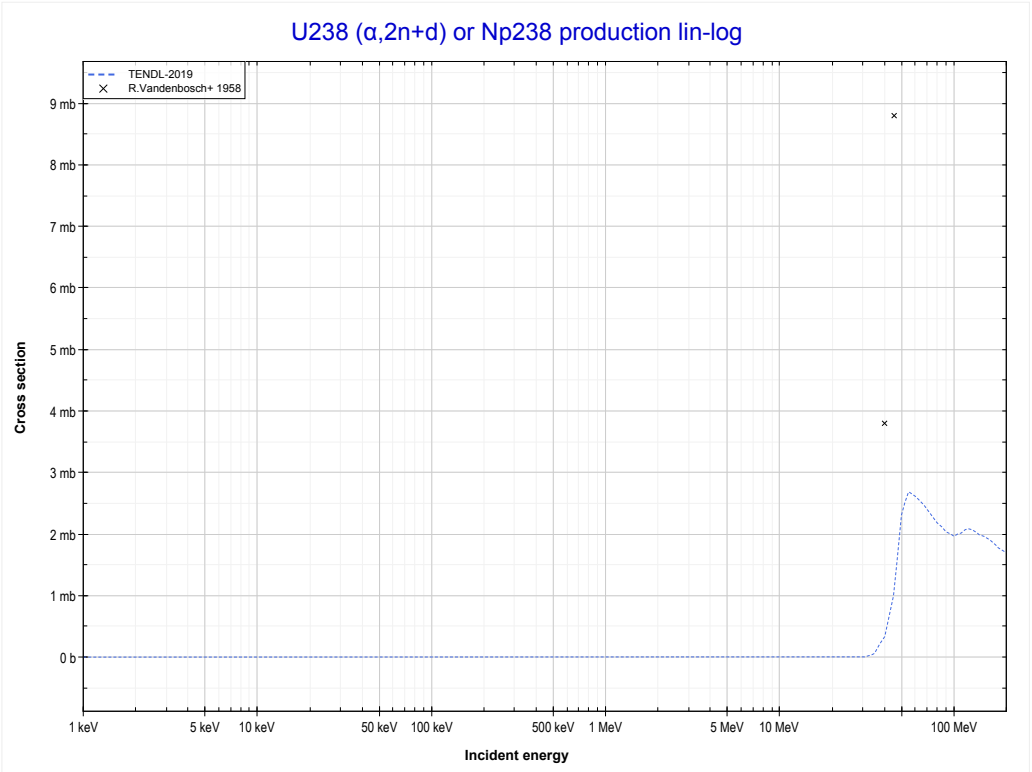
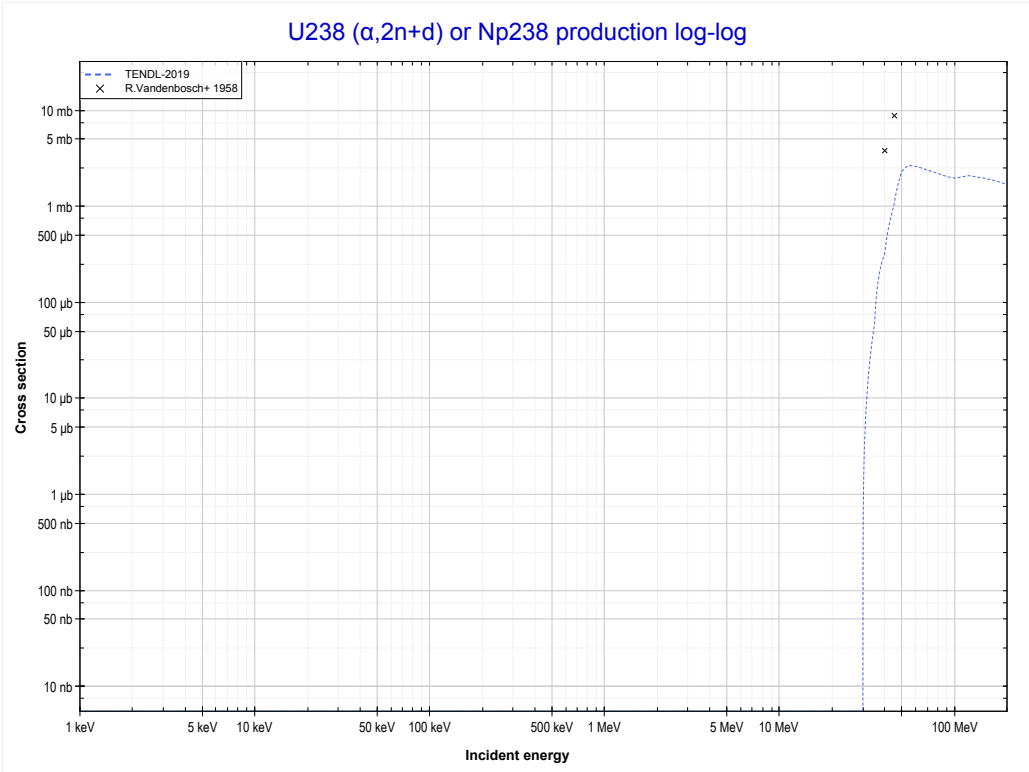
Reaction	Q-Value
U235(α,p)Np238	-11399.96 keV

<< 92-U-233	92-U-235	92-U-238 >>
<< MT103 (α,p)	MT105 (α,t) or MT5 (Np236 production)	92-U-238 MT11 (α,2n+d) >>



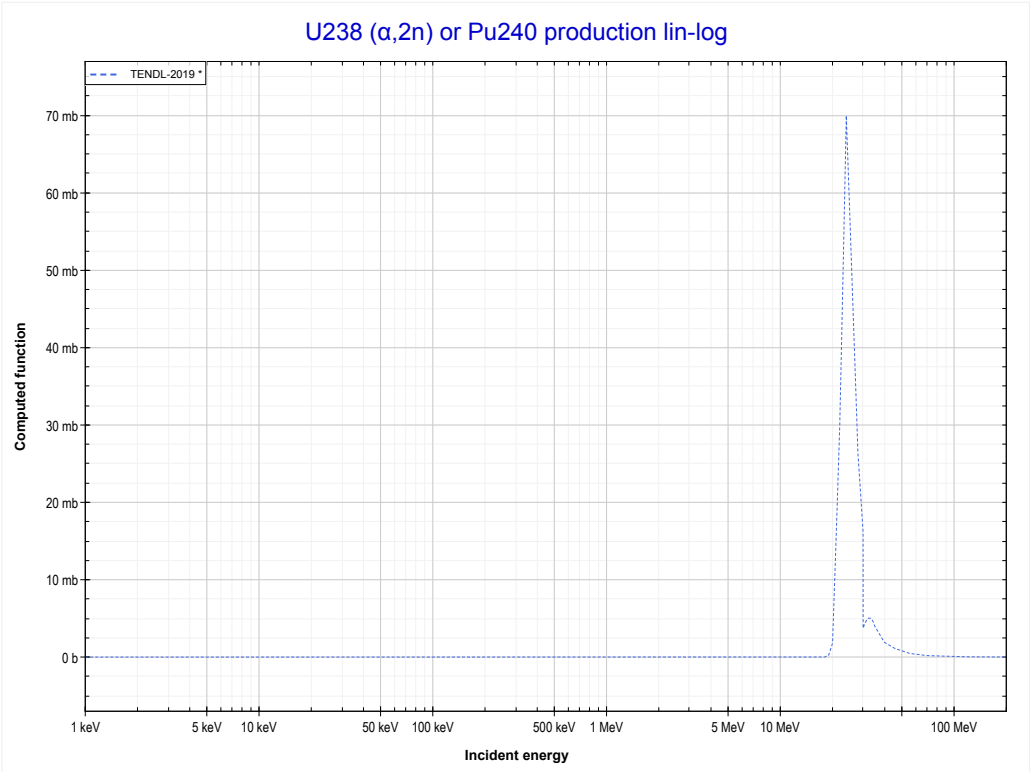
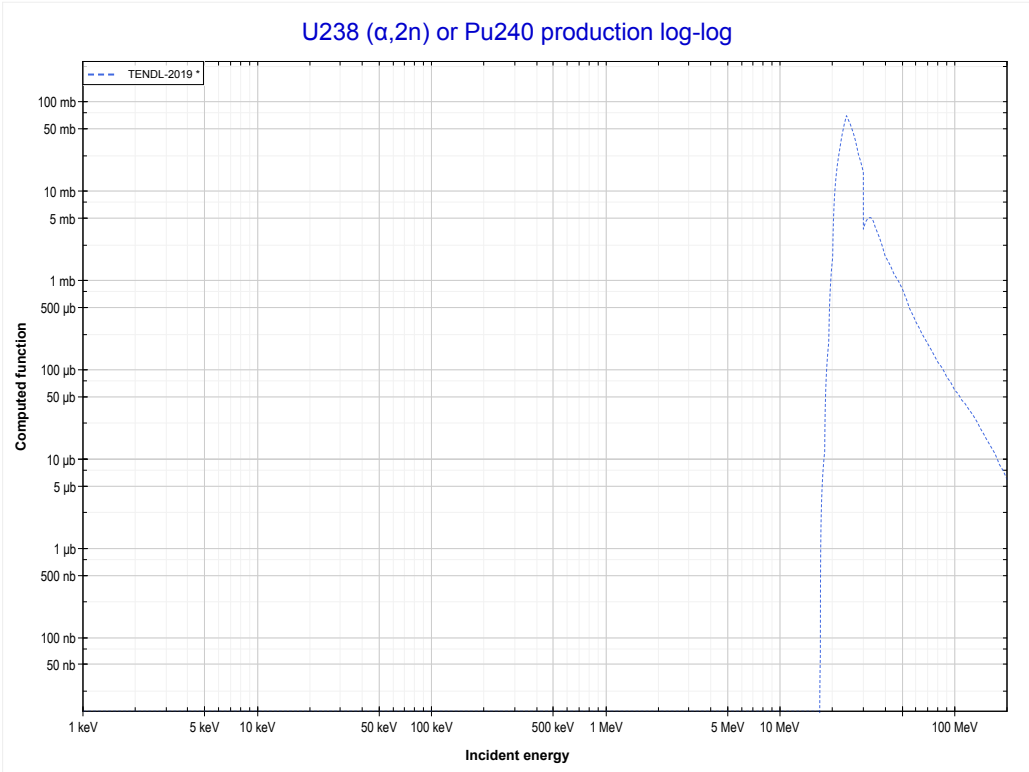
Reaction	Q-Value
U235(α,t)Np236	-14986.09 keV
U235(α,n+d)Np236	-21243.32 keV
U235(α,2n+p)Np236	-23467.89 keV

<< 92-U-233	92-U-238	94-Pu-239 >>
<< 92-U-235 MT105 (α,t)	MT11 (α,2n+d) or MT5 (Np238 production)	MT16 (α,2n) >>



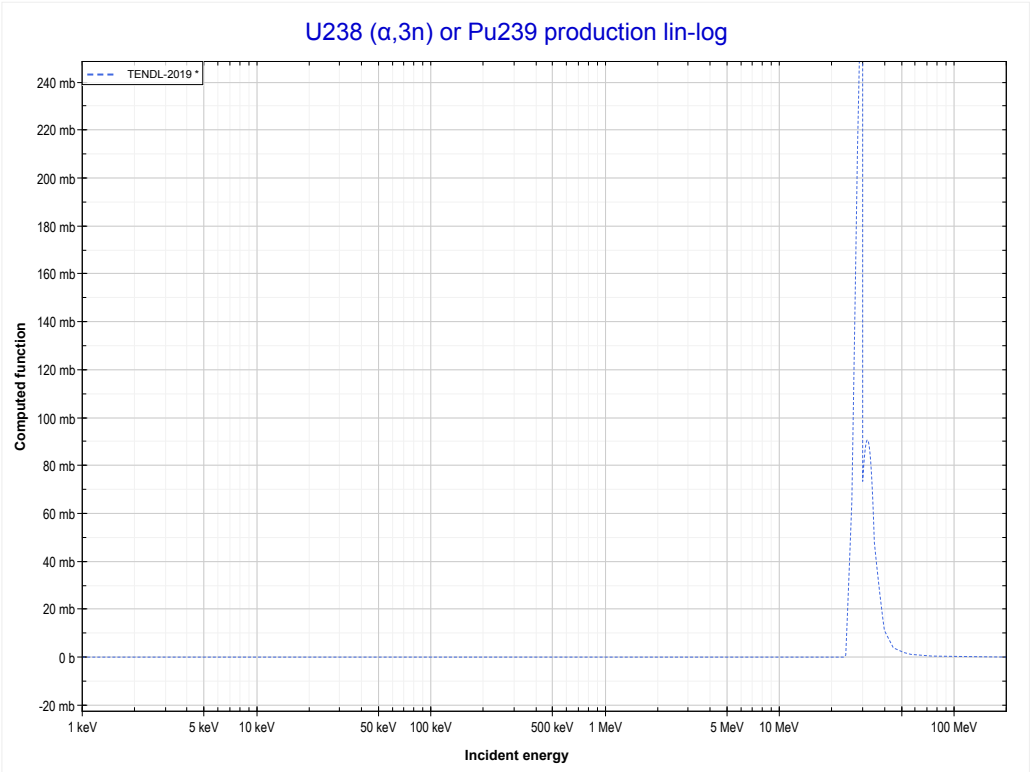
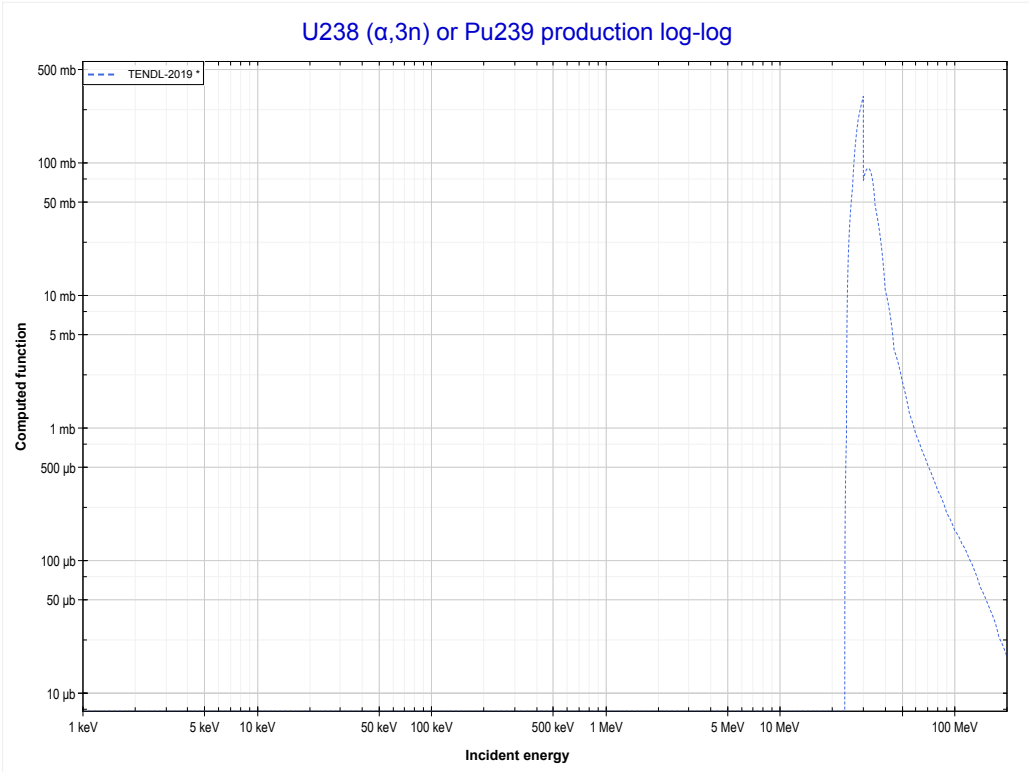
Reaction	Q-Value
U238(α,n+t)Np238	-20743.11 keV
U238(α,2n+d)Np238	-27000.34 keV
U238(α,3n+p)Np238	-29224.91 keV

<< 92-U-235	92-U-238	93-Np-237 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (Pu240 production)	MT17 ($\alpha,3n$) >>



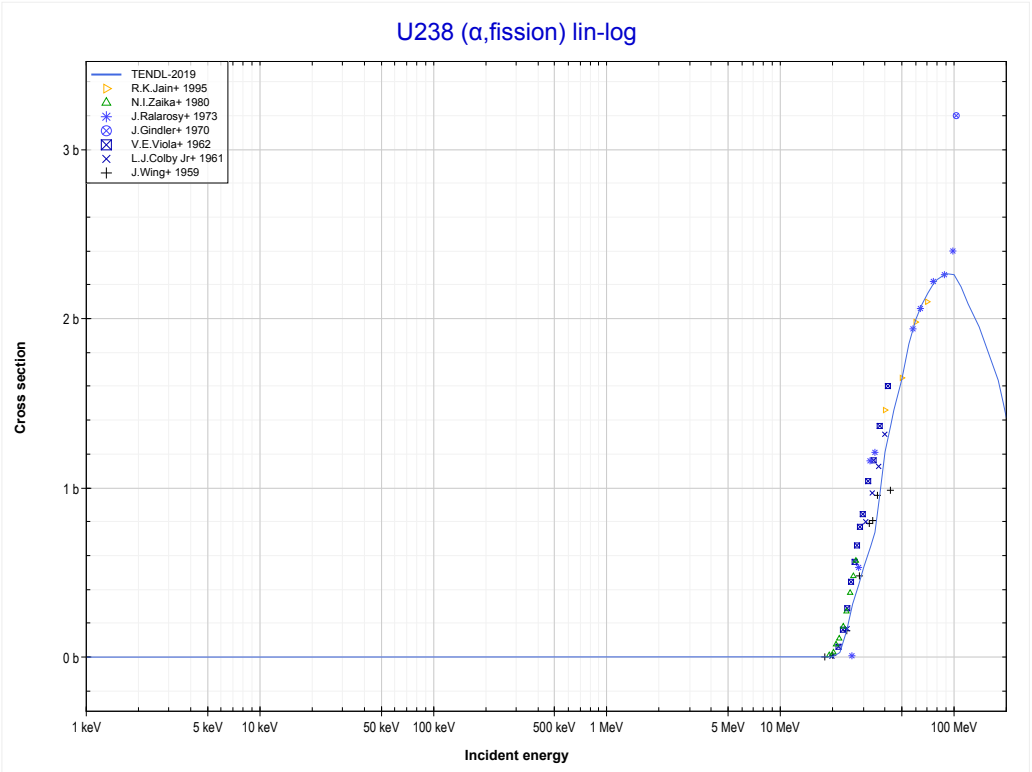
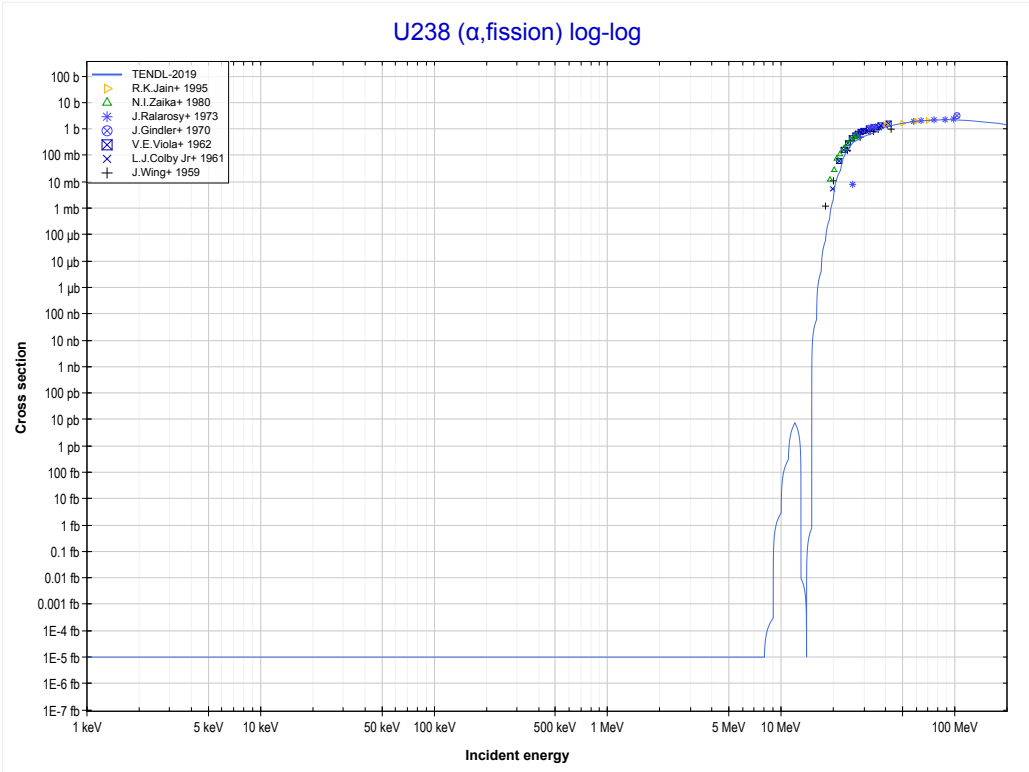
Reaction	Q-Value
U238($\alpha,2n$)Pu240	-16535.32 keV

<< 92-U-235	92-U-238	93-Np-237 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Pu239 production)	MT18 (α ,fission) >>

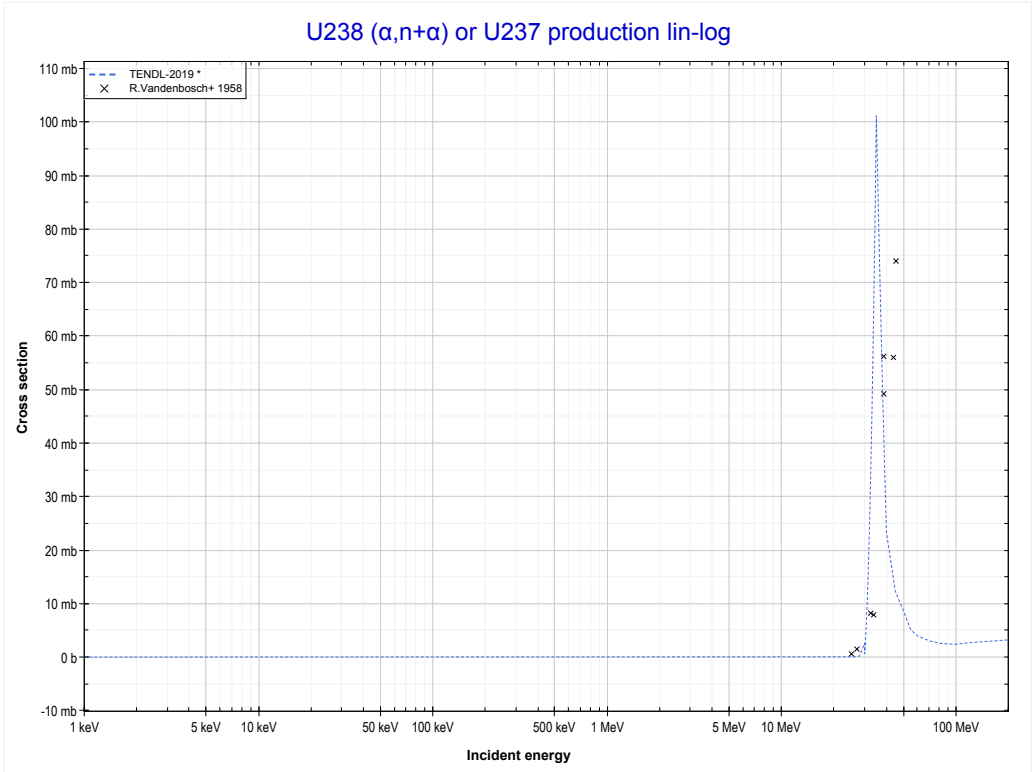
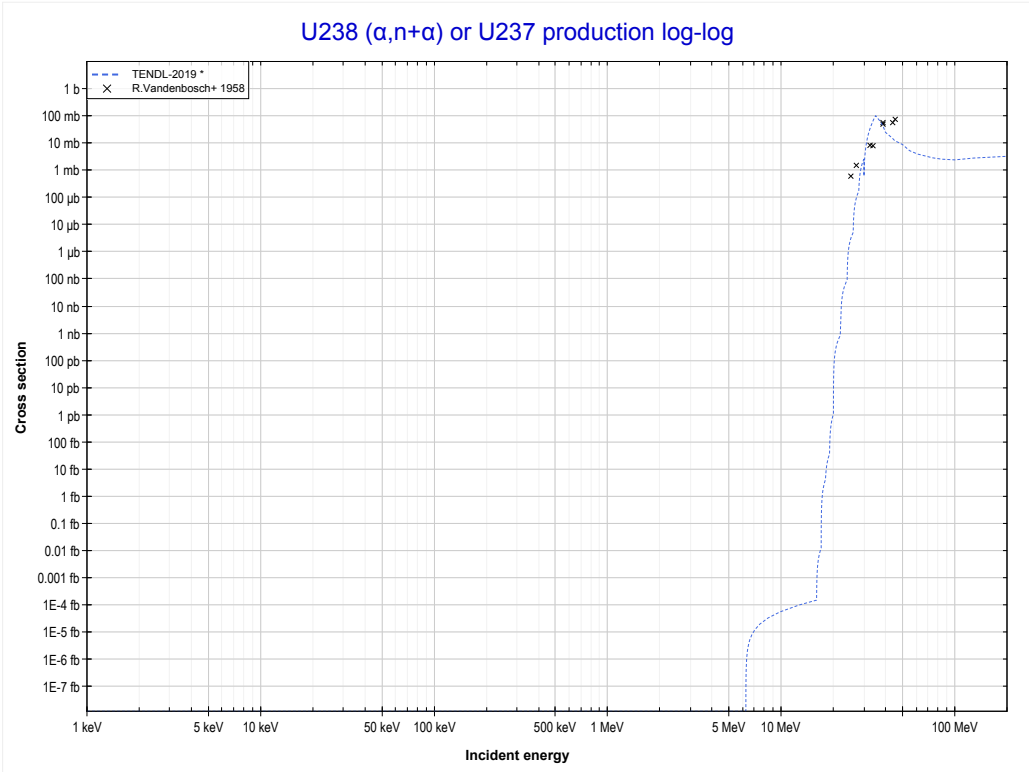


Reaction	Q-Value
U238($\alpha,3n$)Pu239	-23069.54 keV

<< 92-U-235	92-U-238	93-Np-237 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT22 ($\alpha,n+\alpha$) >>

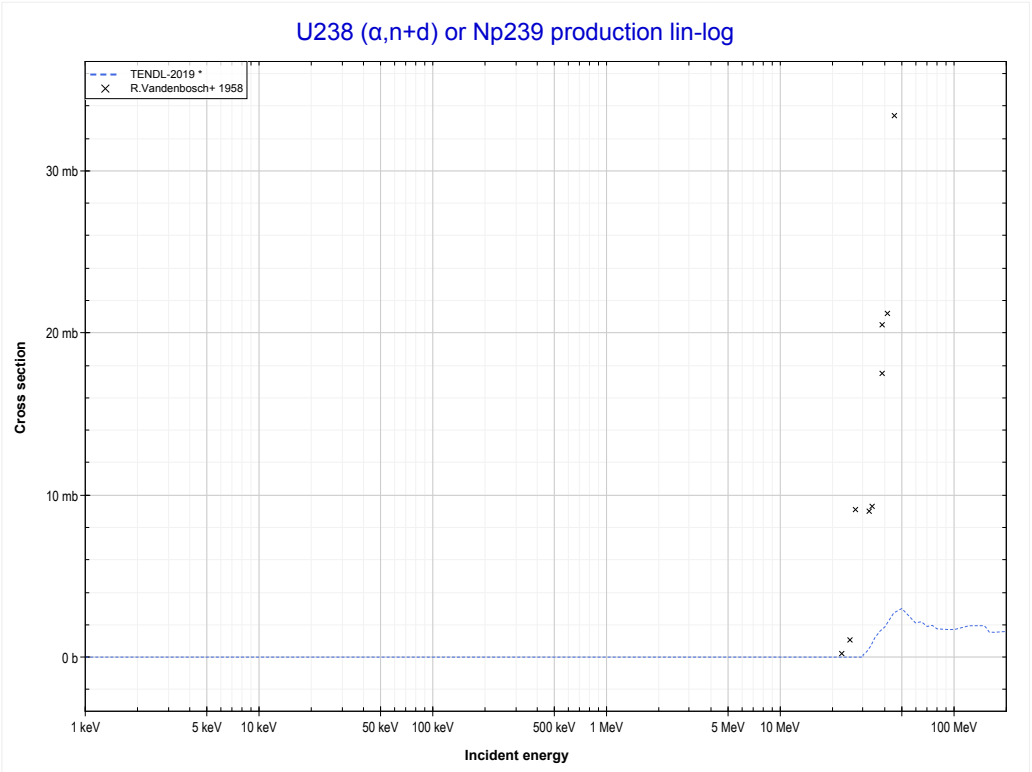
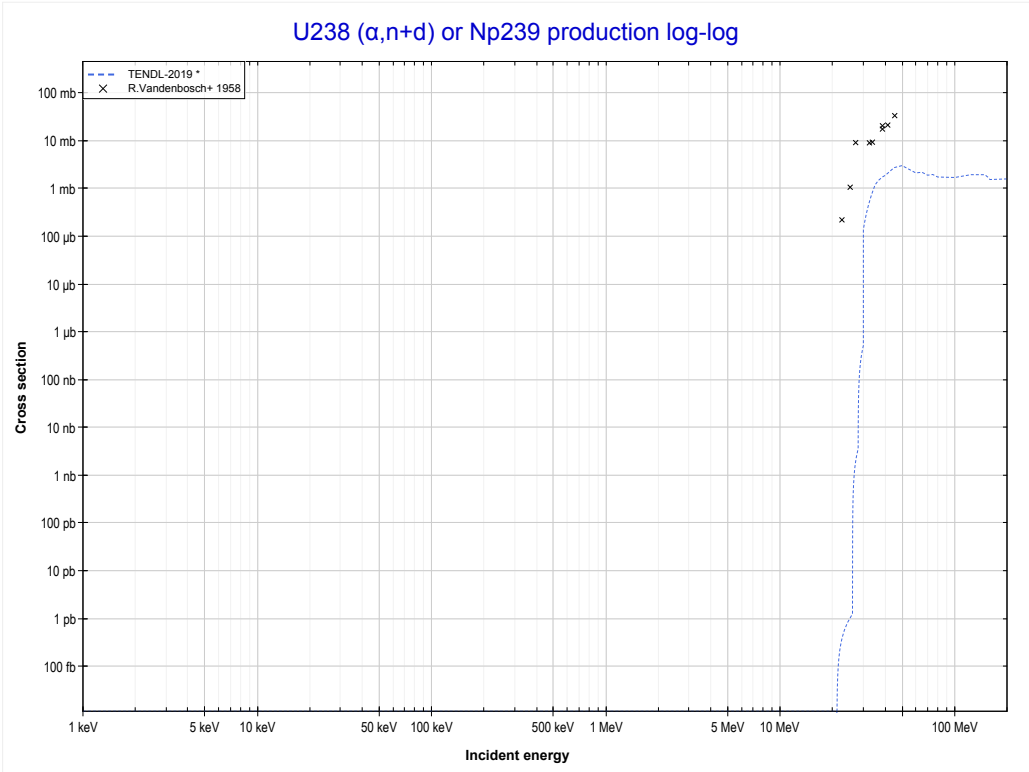


<< 79-Au-197	92-U-238	93-Np-237 >>
<< MT18 (α,fission)	MT22 (α,n+α) or MT5 (U237 production)	MT32 (α,n+d) >>



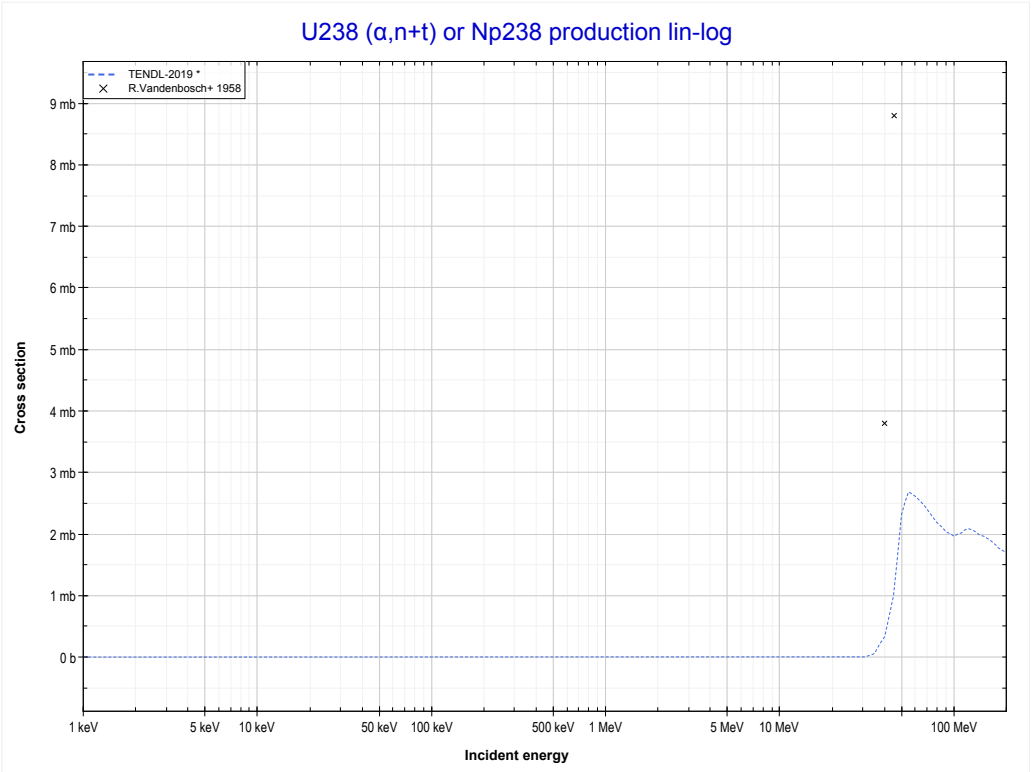
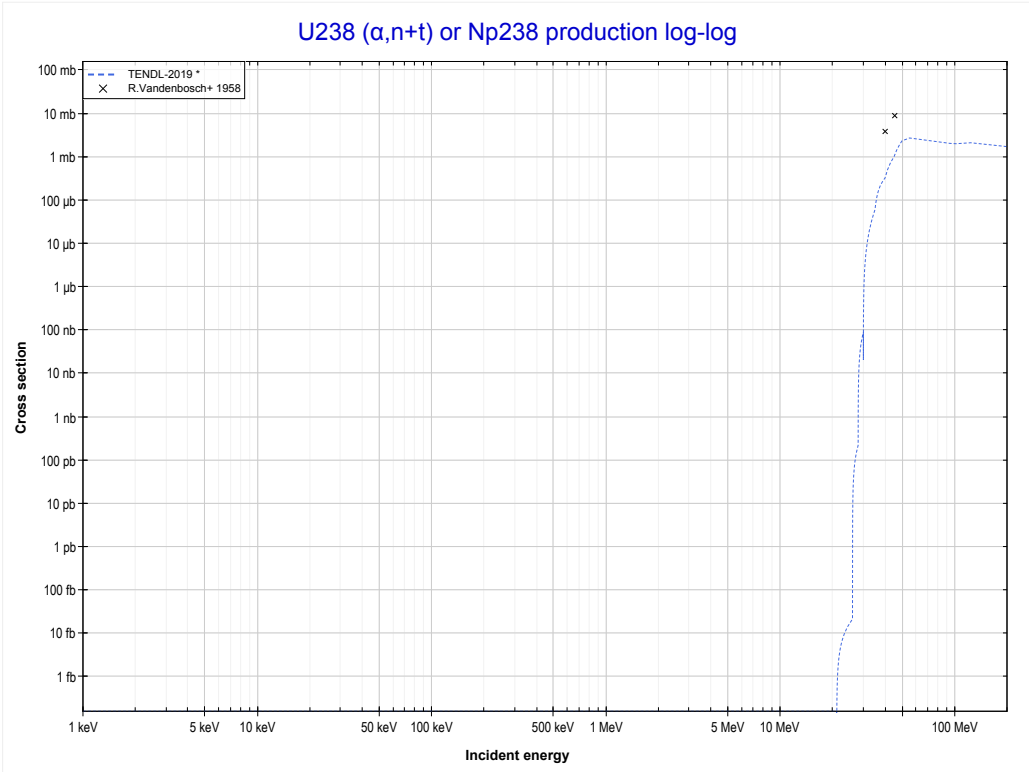
Reaction	Q-Value
U238(α,n+α)U237	-6153.72 keV
U238(α,d+t)U237	-23743.02 keV
U238(α,n+p+t)U237	-25967.58 keV
U238(α,2n+He3)U237	-26731.34 keV
U238(α,n+2d)U237	-30000.24 keV
U238(α,2n+p+d)U237	-32224.81 keV
U238(α,3n+2p)U237	-34449.38 keV

<< 92-U-233	92-U-238	94-Pu-239 >>
<< MT22 ($\alpha,n+\alpha$)	MT32 ($\alpha,n+d$) or MT5 (Np239 production)	MT33 ($\alpha,n+t$) >>



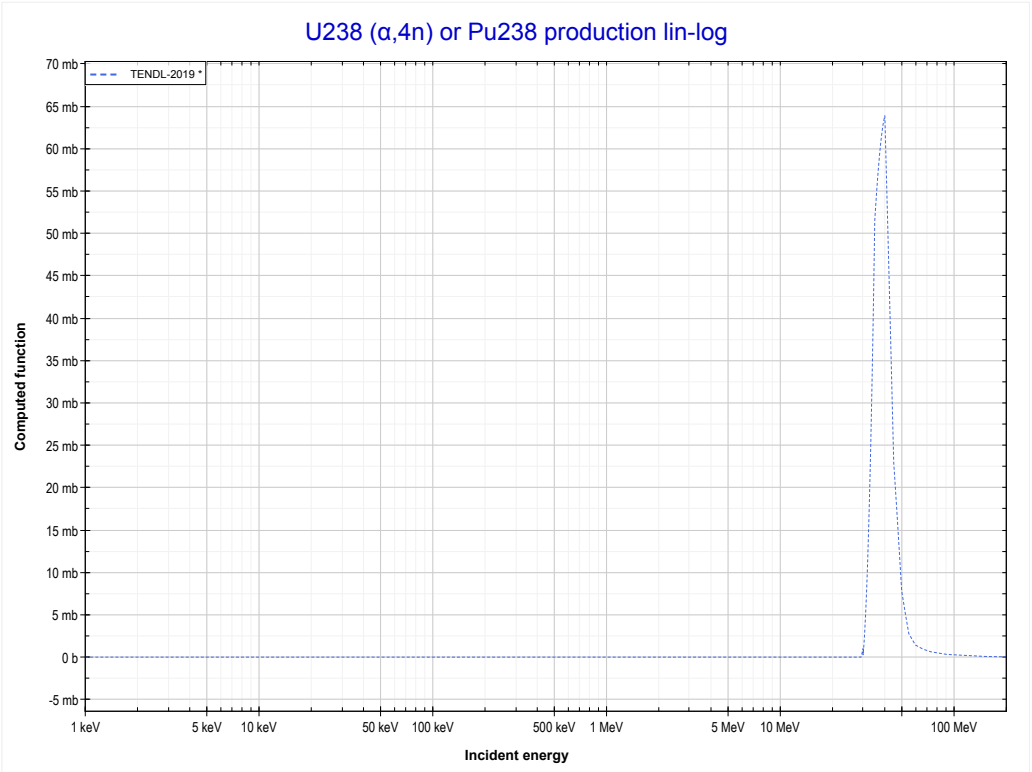
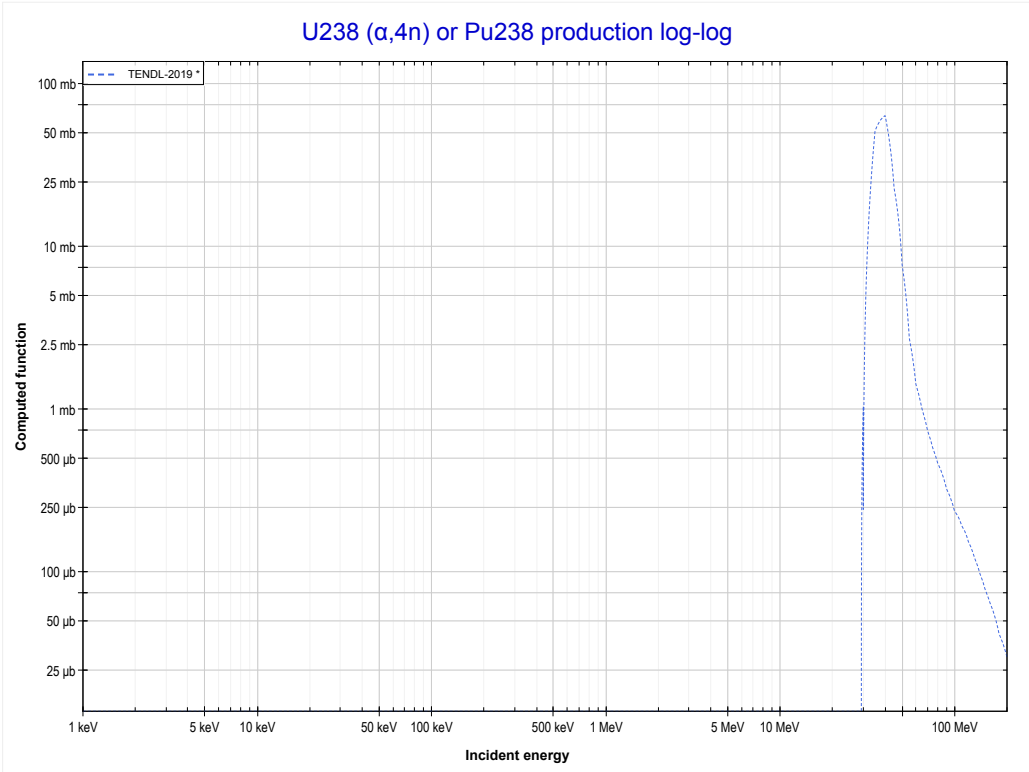
Reaction	Q-Value
U238(α,t)Np239	-14528.19 keV
U238($\alpha,n+d$)Np239	-20785.42 keV
U238($\alpha,2n+p$)Np239	-23009.99 keV

<< 92-U-233	92-U-238	94-Pu-239 >>
<< MT32 (α,n+d)	MT33 (α,n+t) or MT5 (Np238 production)	MT37 (α,4n) >>



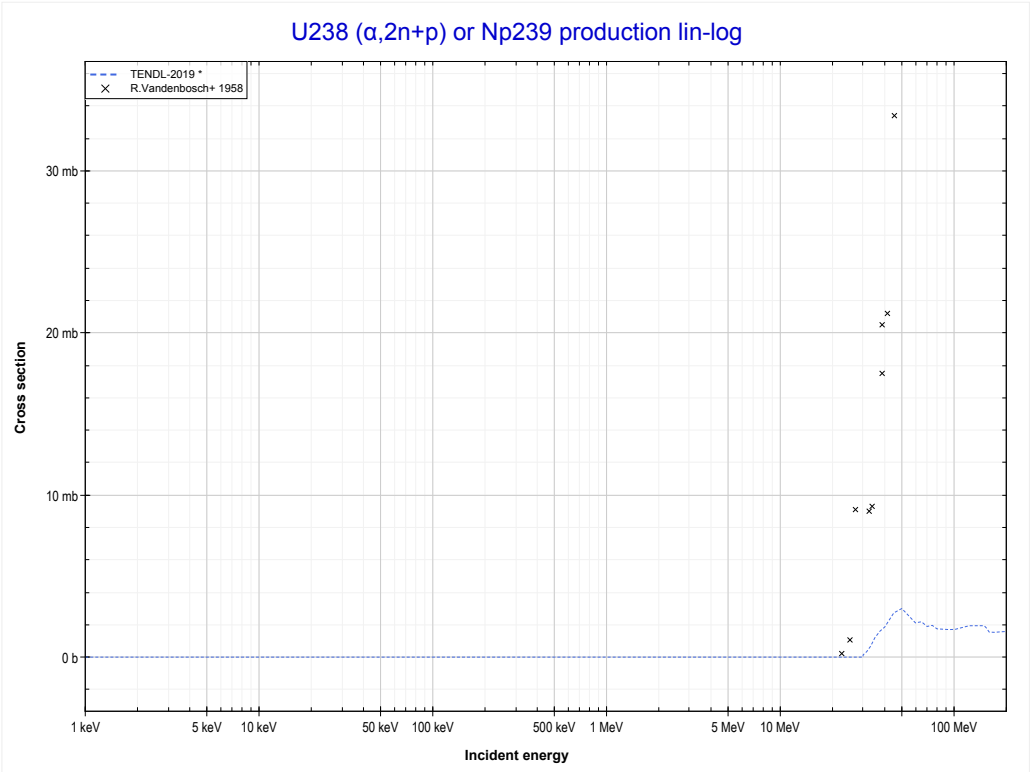
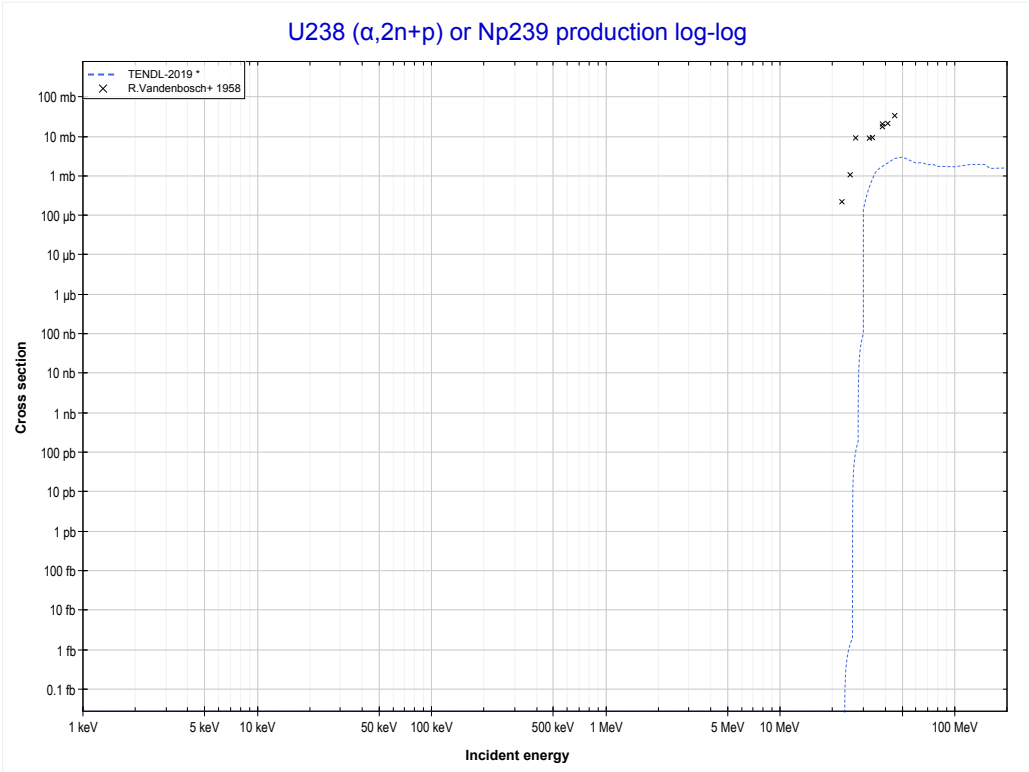
Reaction	Q-Value
U238(α,n+t)Np238	-20743.11 keV
U238(α,2n+d)Np238	-27000.34 keV
U238(α,3n+p)Np238	-29224.91 keV

<< 92-U-235	92-U-238	94-Pu-238 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Pu238 production)	MT41 ($\alpha,2n+p$) >>



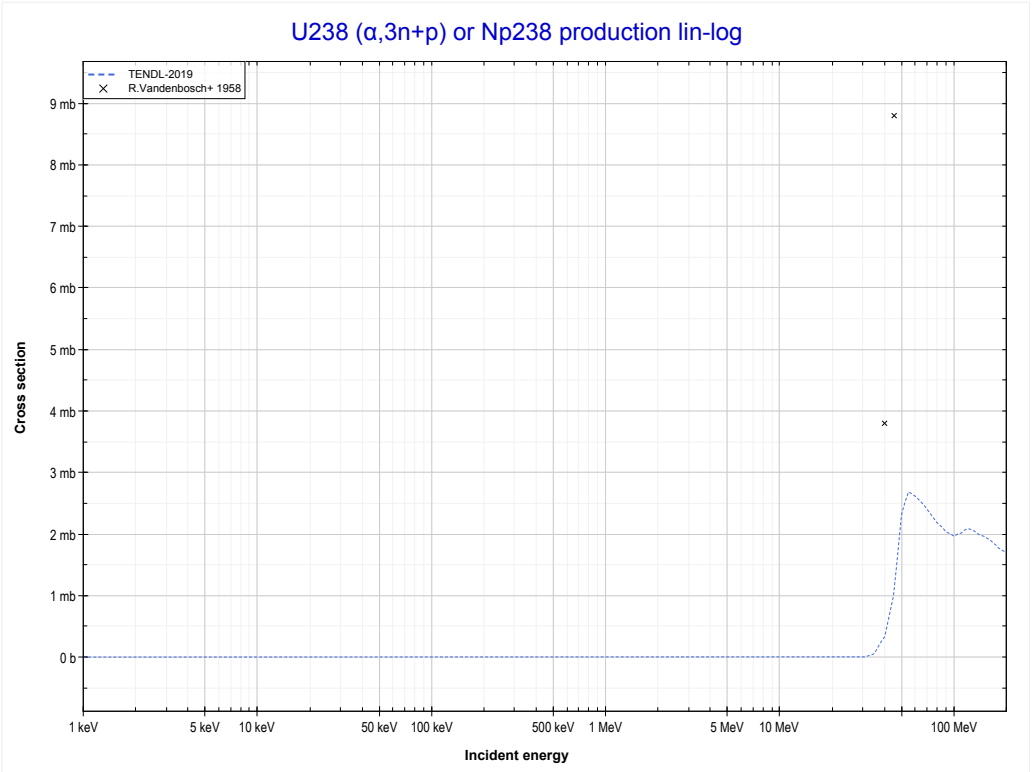
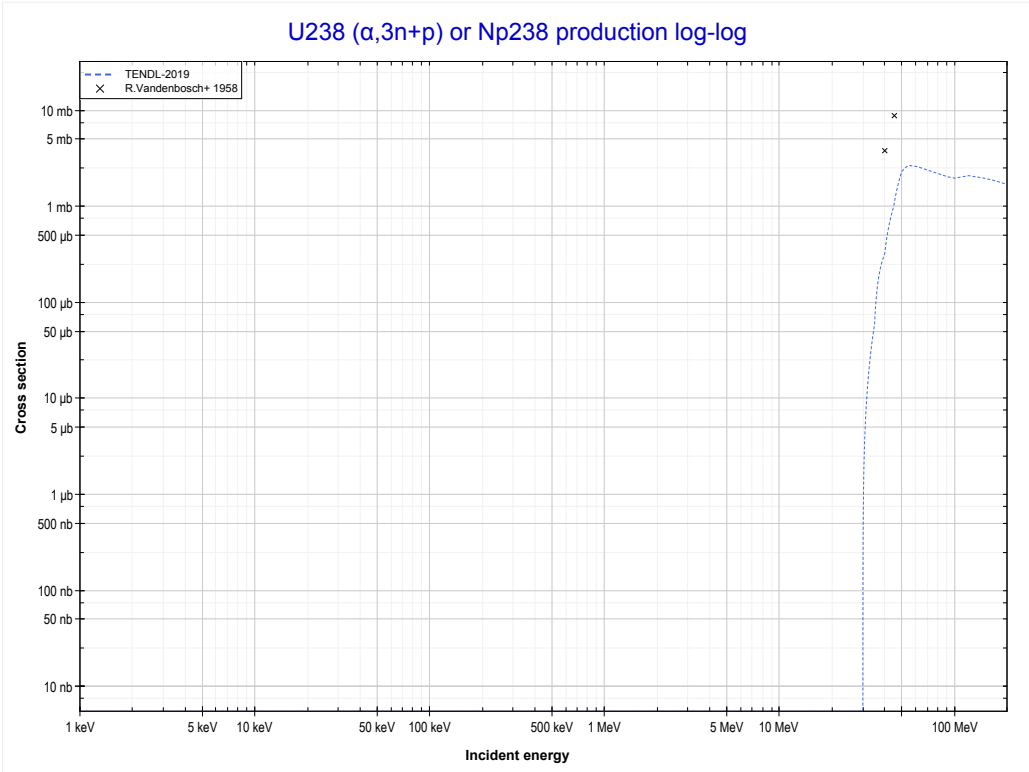
Reaction	Q-Value
U238($\alpha,4n$)Pu238	-28715.75 keV

<< 92-U-233	92-U-238	94-Pu-239 >>
<< MT37 (α,4n)	MT41 (α,2n+p) or MT5 (Np239 production)	MT42 (α,3n+p) >>



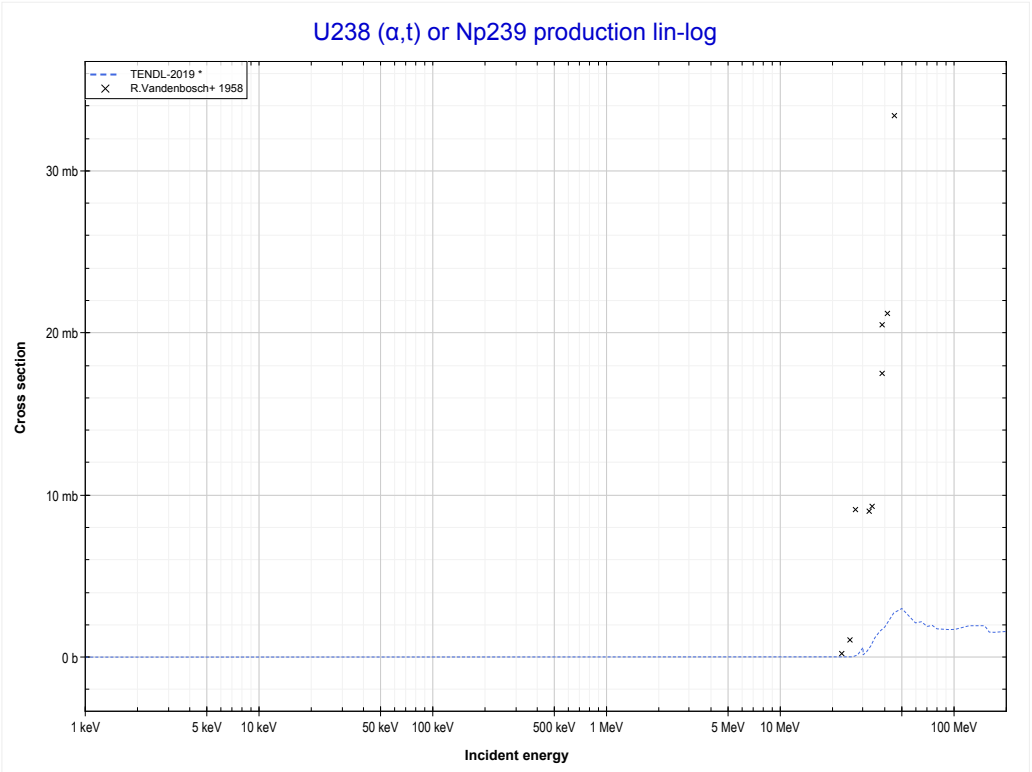
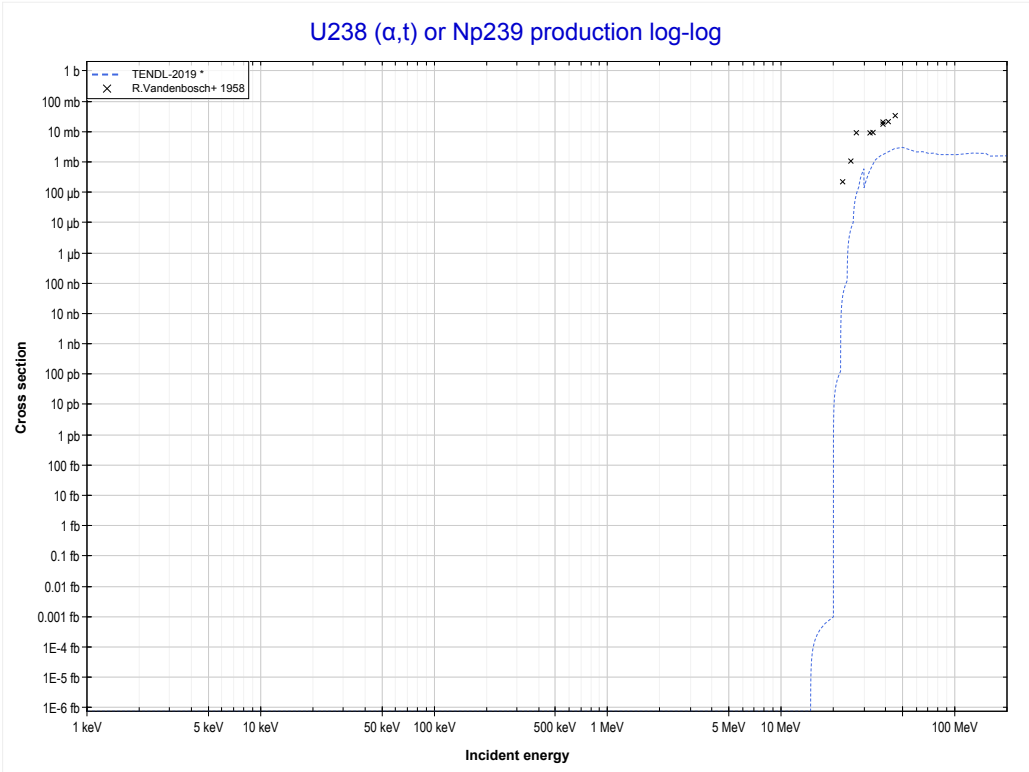
Reaction	Q-Value
U238(α,t)Np239	-14528.19 keV
U238(α,n+d)Np239	-20785.42 keV
U238(α,2n+p)Np239	-23009.99 keV

<< 92-U-233	92-U-238	94-Pu-239 >>
<< MT41 (α,2n+p)	MT42 (α,3n+p) or MT5 (Np238 production)	MT105 (α,t) >>



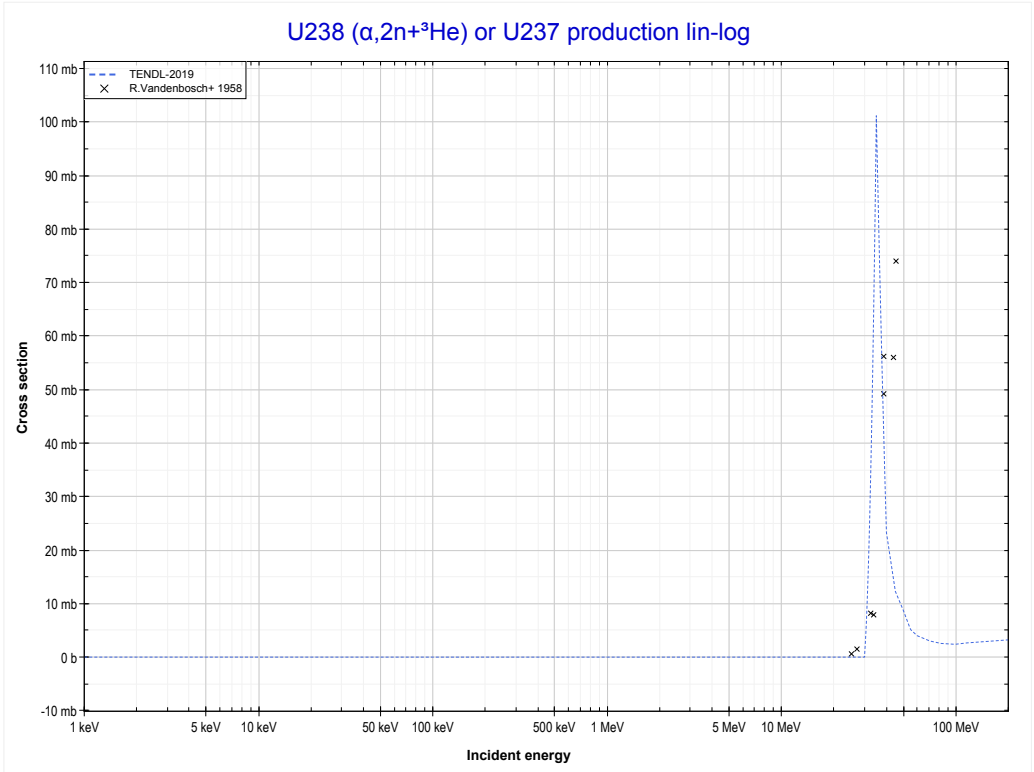
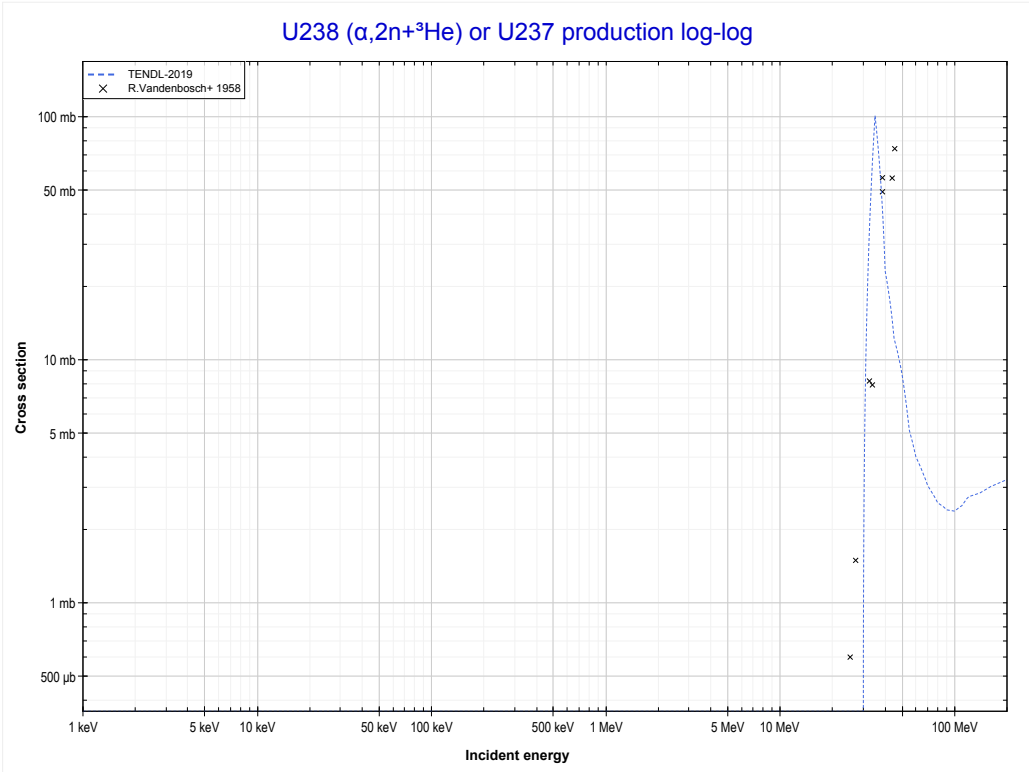
Reaction	Q-Value
U238(α,n+t)Np238	-20743.11 keV
U238(α,2n+d)Np238	-27000.34 keV
U238(α,3n+p)Np238	-29224.91 keV

<< 92-U-235	92-U-238	94-Pu-239 >>
<< MT42 ($\alpha,3n+p$)	MT105 (α,t) or MT5 (Np239 production)	MT176 ($\alpha,2n+^3\text{He}$) >>



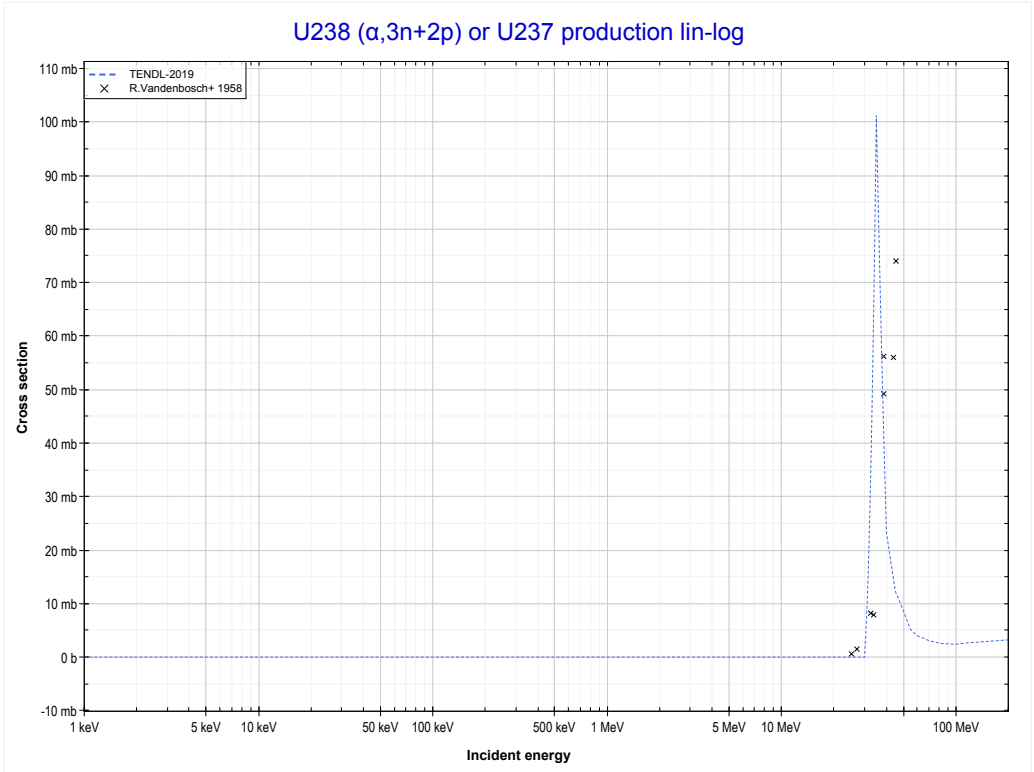
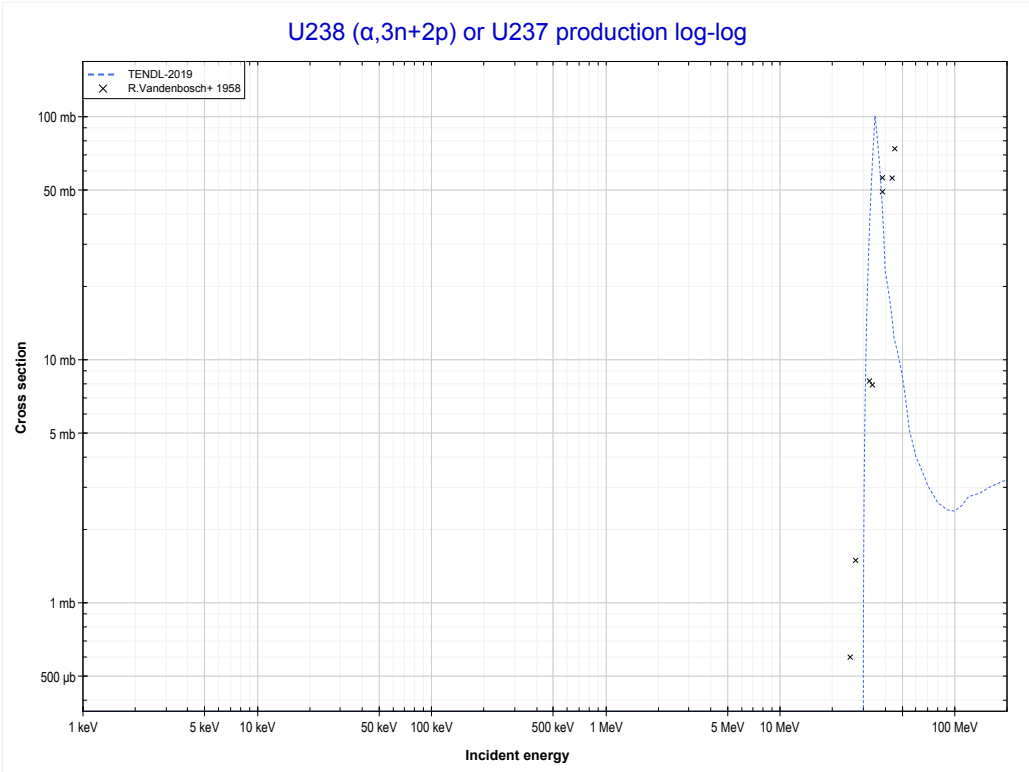
Reaction	Q-Value
U238(α,t)Np239	-14528.19 keV
U238($\alpha,n+d$)Np239	-20785.42 keV
U238($\alpha,2n+p$)Np239	-23009.99 keV

<< 79-Au-197	92-U-238	
<< MT105 (α,t)	MT176 (α,2n+ ³ He) or MT5 (U237 production)	MT179 (α,3n+2p) >>



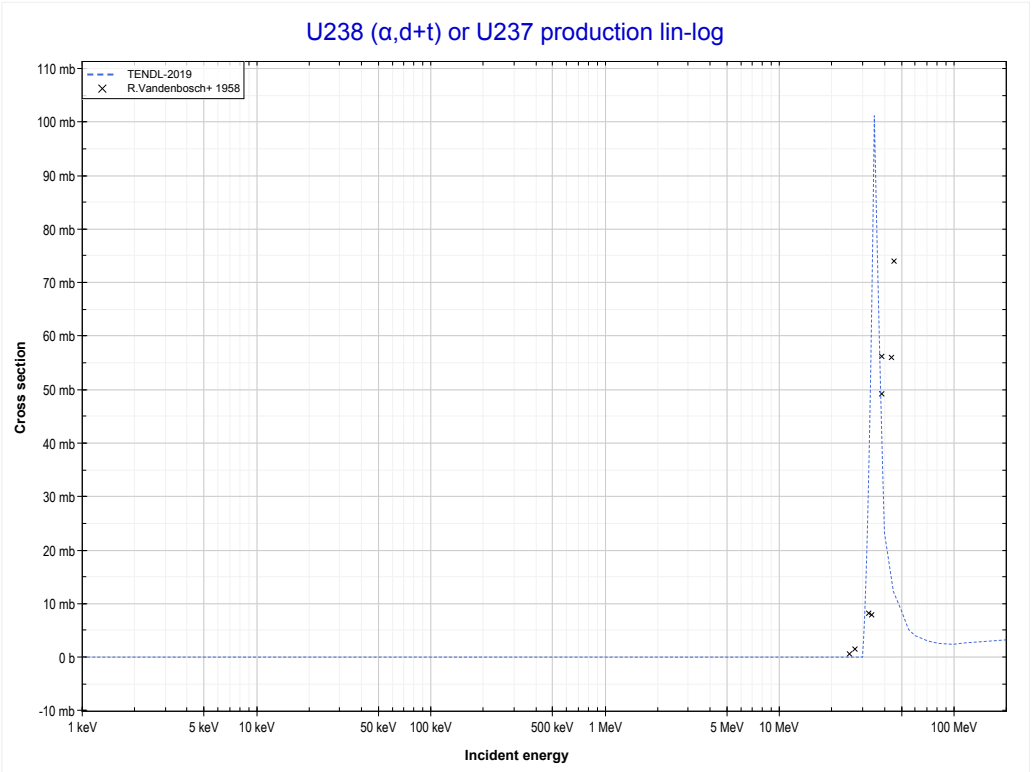
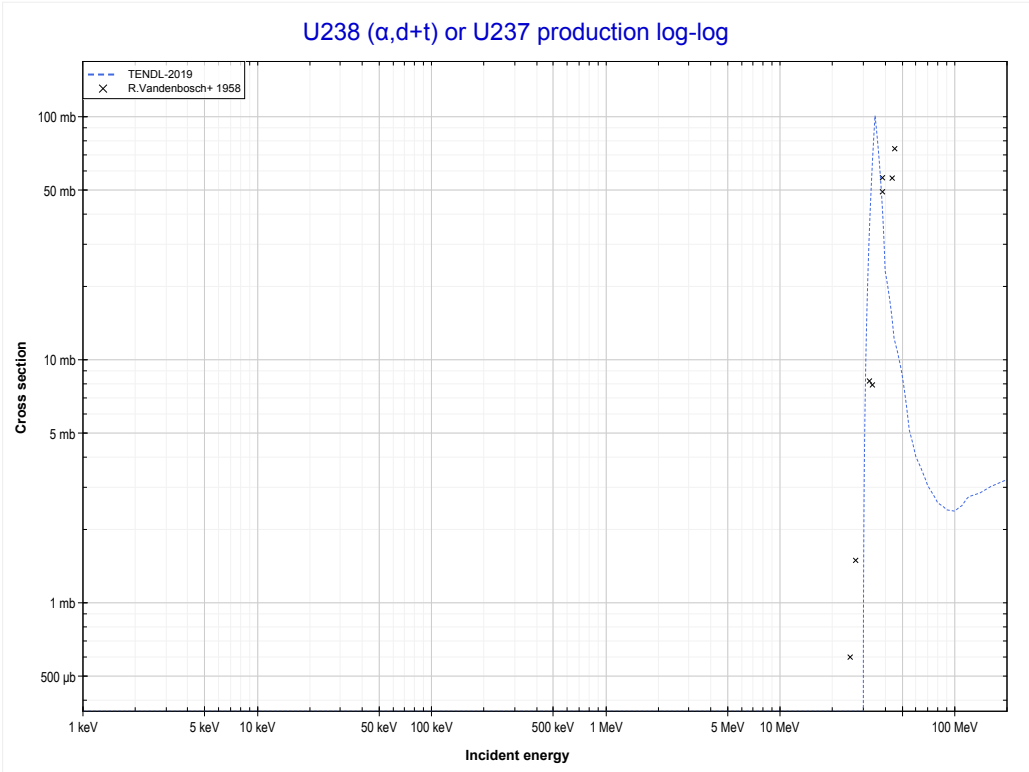
Reaction	Q-Value
U238(α,n+α)U237	-6153.72 keV
U238(α,d+t)U237	-23743.02 keV
U238(α,n+p+t)U237	-25967.58 keV
U238(α,2n+He3)U237	-26731.34 keV
U238(α,n+2d)U237	-30000.24 keV
U238(α,2n+p+d)U237	-32224.81 keV
U238(α,3n+2p)U237	-34449.38 keV

<< 79-Au-197	92-U-238	
<< MT176 ($\alpha,2n+^3\text{He}$)	MT179 ($\alpha,3n+2p$) or MT5 (U237 production)	MT182 ($\alpha,d+t$) >>



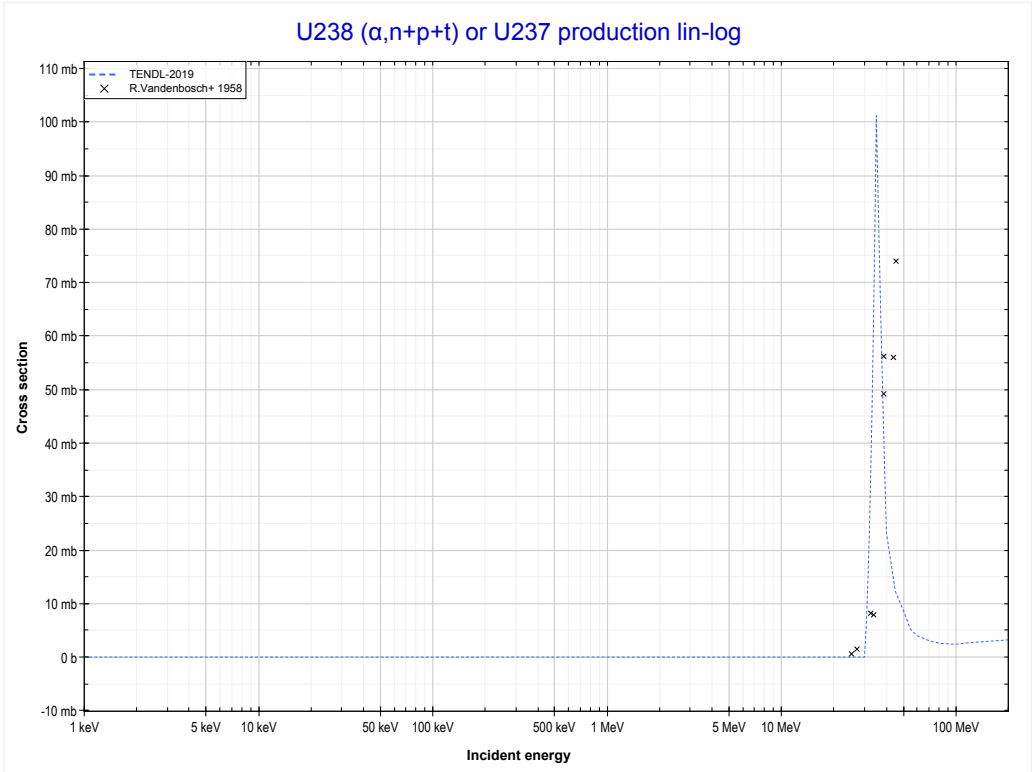
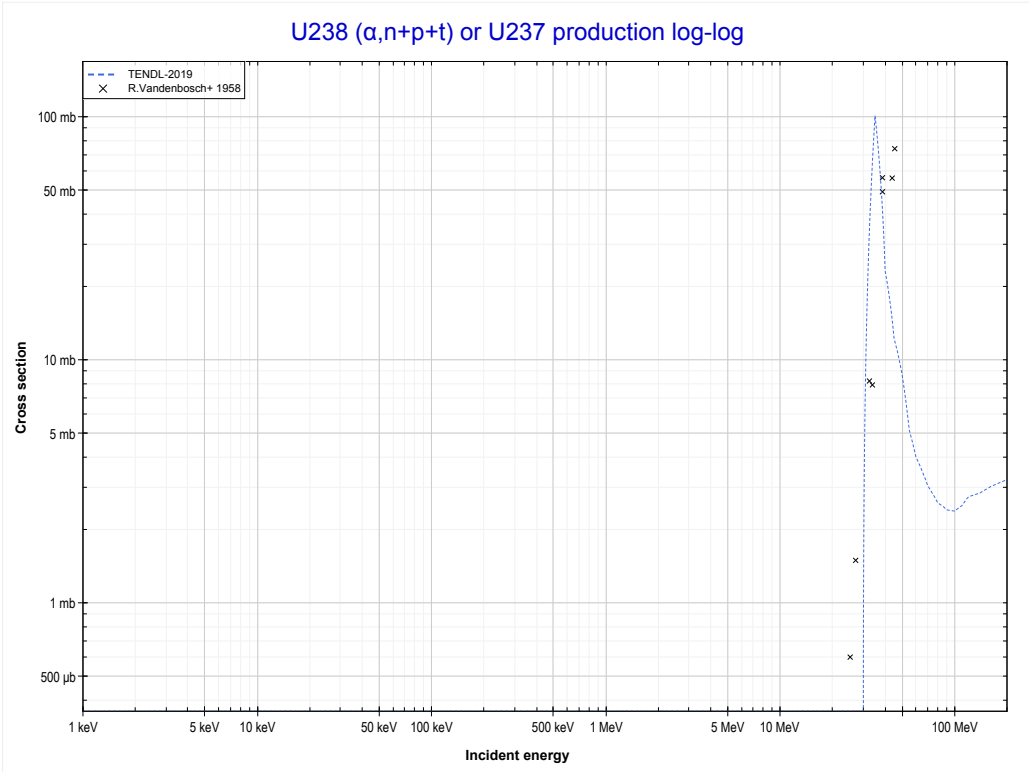
Reaction	Q-Value
U238($\alpha,n+\alpha$)U237	-6153.72 keV
U238($\alpha,d+t$)U237	-23743.02 keV
U238($\alpha,n+p+t$)U237	-25967.58 keV
U238($\alpha,2n+\text{He3}$)U237	-26731.34 keV
U238($\alpha,n+2d$)U237	-30000.24 keV
U238($\alpha,2n+p+d$)U237	-32224.81 keV
U238($\alpha,3n+2p$)U237	-34449.38 keV

<< 79-Au-197	92-U-238	
<< MT179 ($\alpha,3n+2p$)	MT182 ($\alpha,d+t$) or MT5 (U237 production)	MT184 ($\alpha,n+p+t$) >>



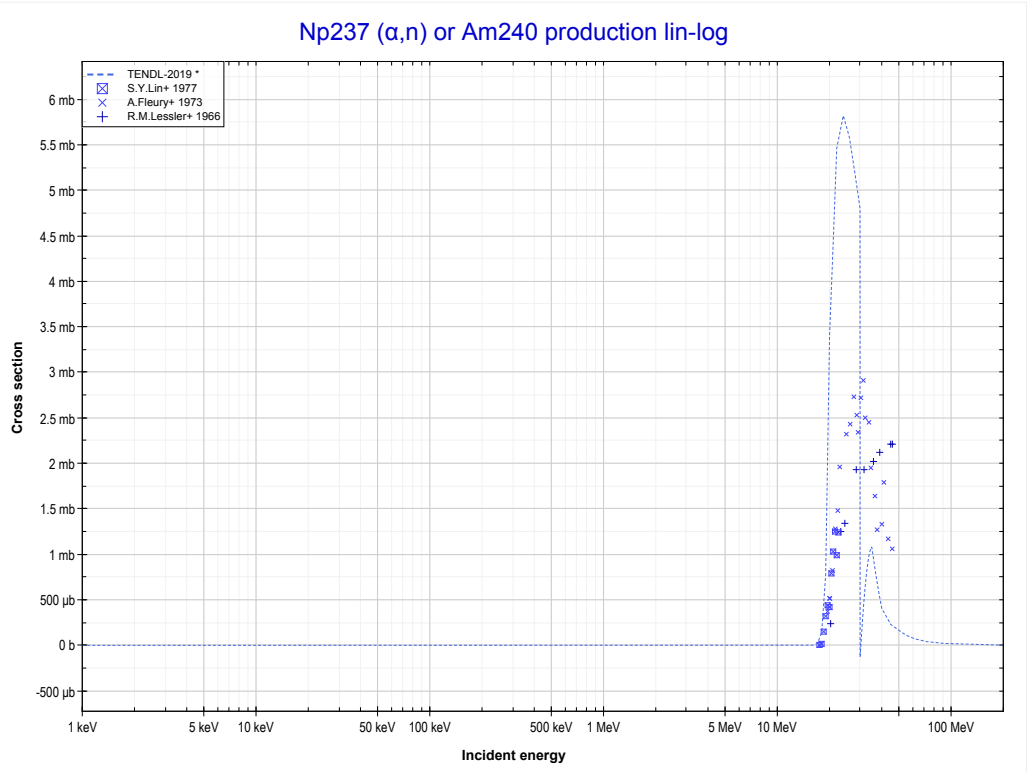
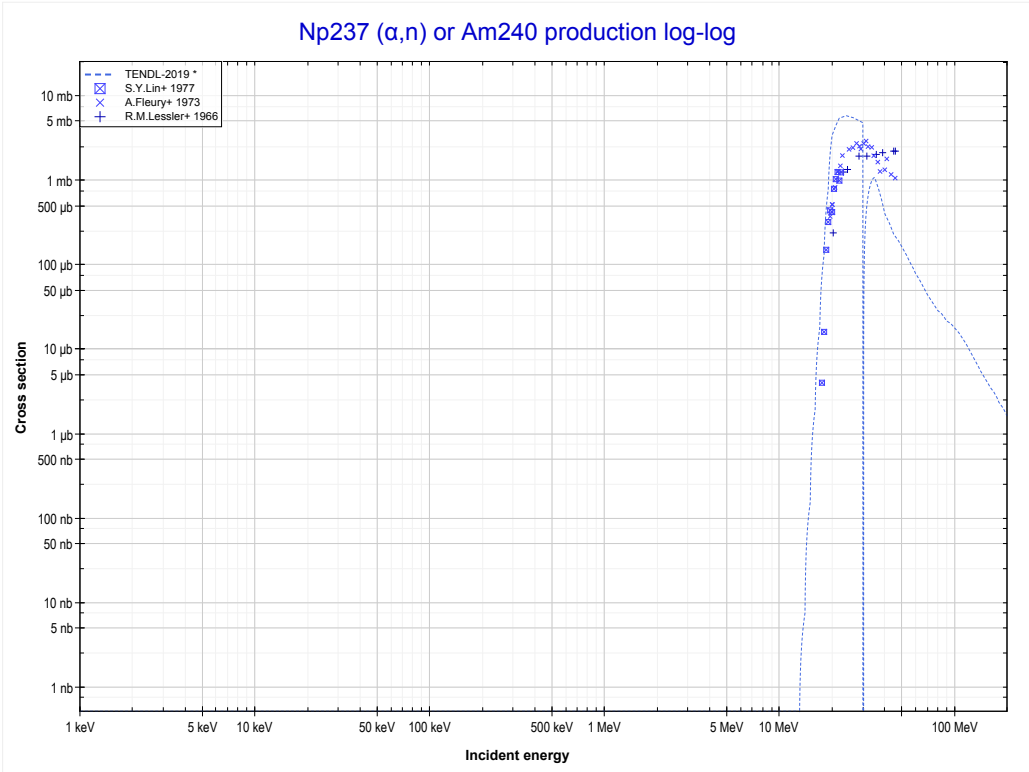
Reaction	Q-Value
U238($\alpha,n+\alpha$)U237	-6153.72 keV
U238($\alpha,d+t$)U237	-23743.02 keV
U238($\alpha,n+p+t$)U237	-25967.58 keV
U238($\alpha,2n+He3$)U237	-26731.34 keV
U238($\alpha,n+2d$)U237	-30000.24 keV
U238($\alpha,2n+p+d$)U237	-32224.81 keV
U238($\alpha,3n+2p$)U237	-34449.38 keV

<< 79-Au-197	92-U-238	
<< MT182 (α,d+t)	MT184 (α,n+p+t) or MT5 (U237 production)	93-Np-237 MT4 (α,n) >>



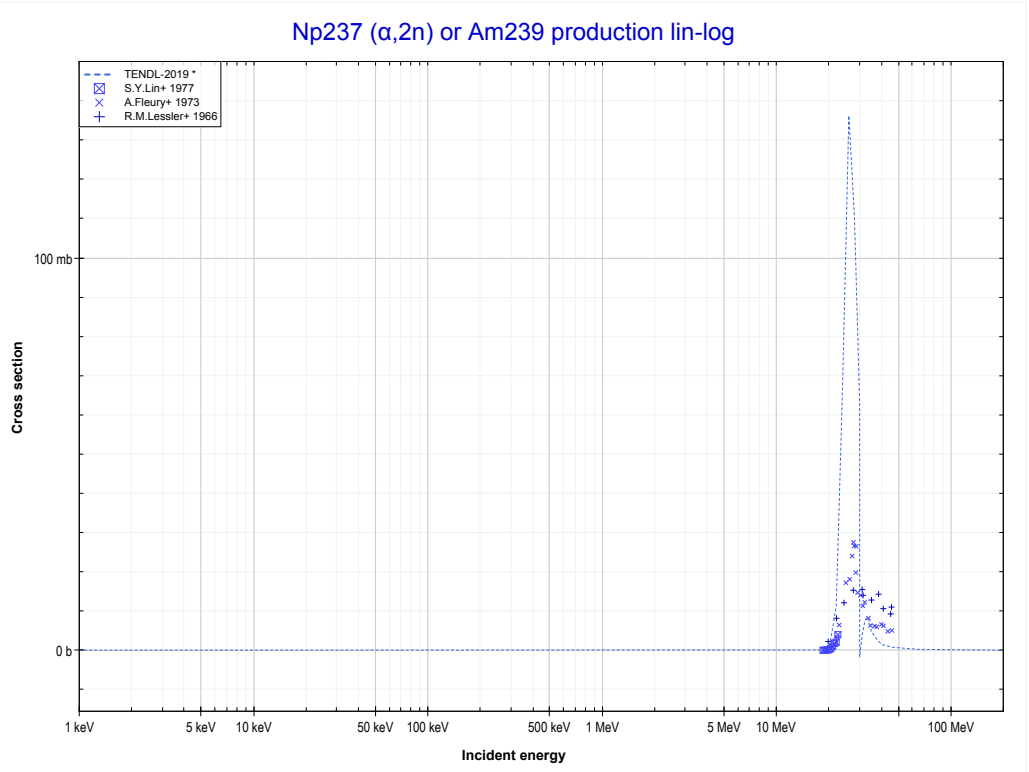
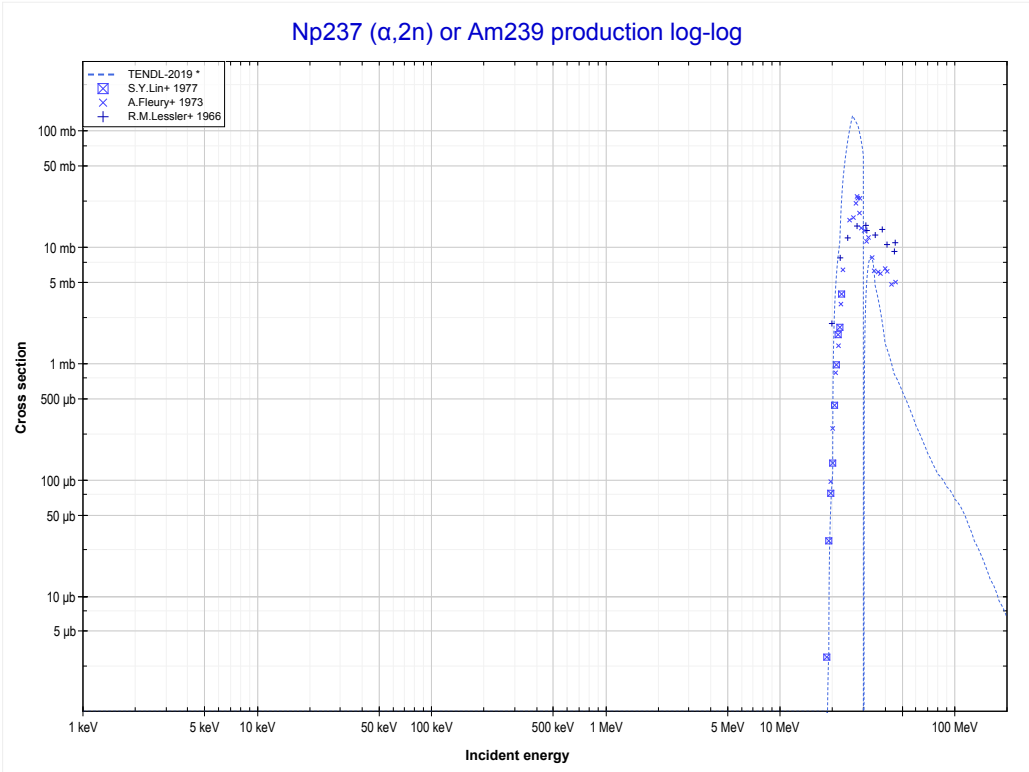
Reaction	Q-Value
U238(α,n+α)U237	-6153.72 keV
U238(α,d+t)U237	-23743.02 keV
U238(α,n+p+t)U237	-25967.58 keV
U238(α,2n+He3)U237	-26731.34 keV
U238(α,n+2d)U237	-30000.24 keV
U238(α,2n+p+d)U237	-32224.81 keV
U238(α,3n+2p)U237	-34449.38 keV

<< 92-U-235	93-Np-237	94-Pu-238 >>
<< 92-U-238 MT184 (α,n+p+t)	MT4 (α,n) or MT5 (Am240 production)	MT16 (α,2n) >>



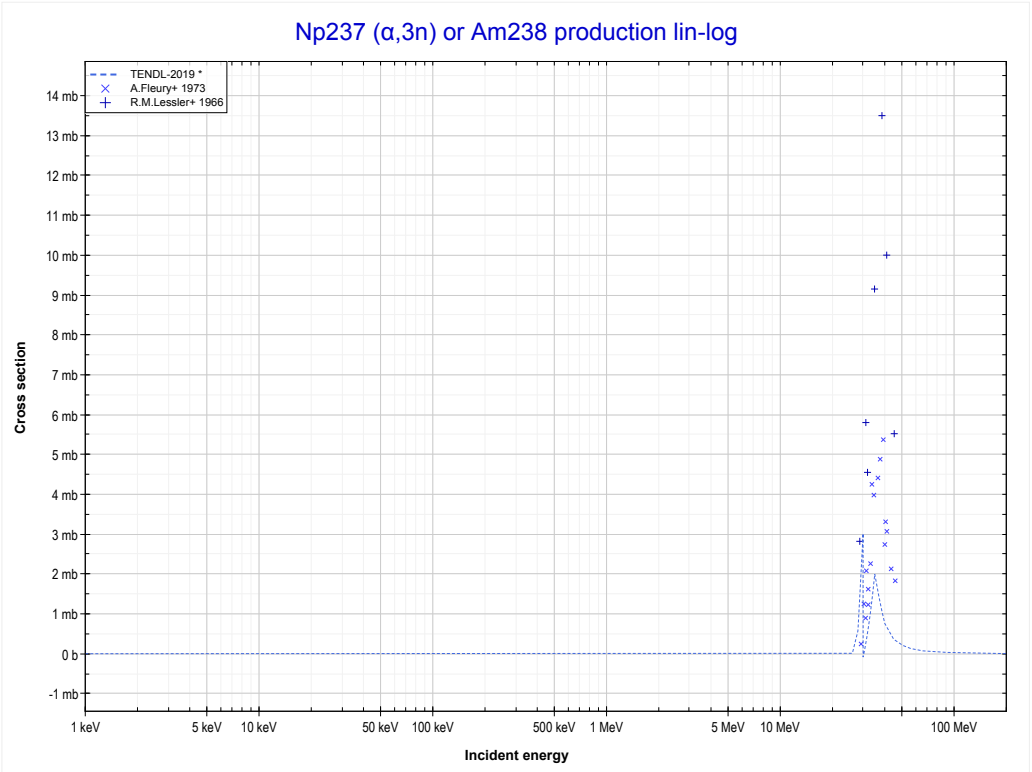
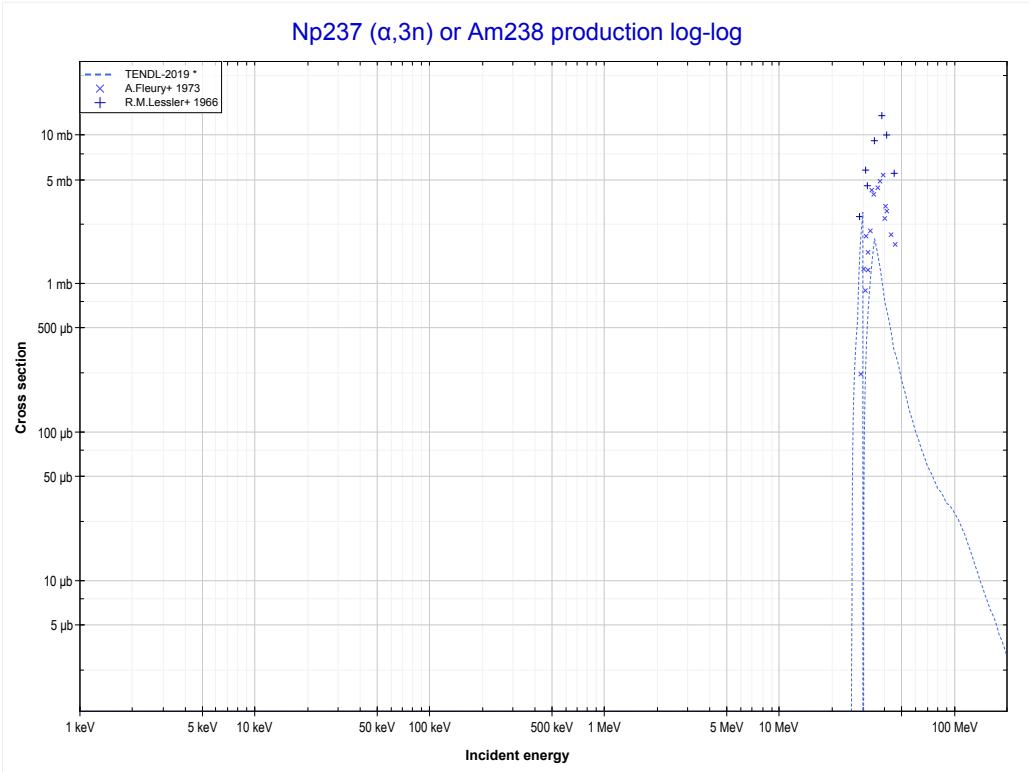
Reaction	Q-Value
Np237(α,n)Am240	-12284.70 keV

<< 92-U-238	93-Np-237	94-Pu-238 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Am239 production)	MT17 (α,3n) >>



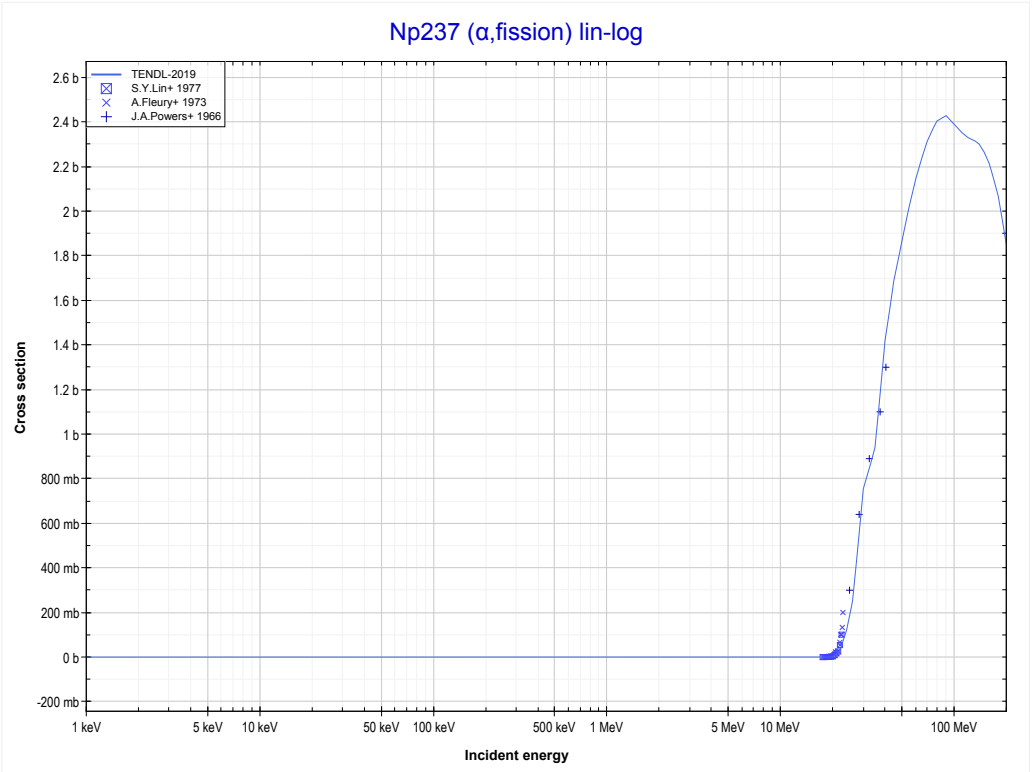
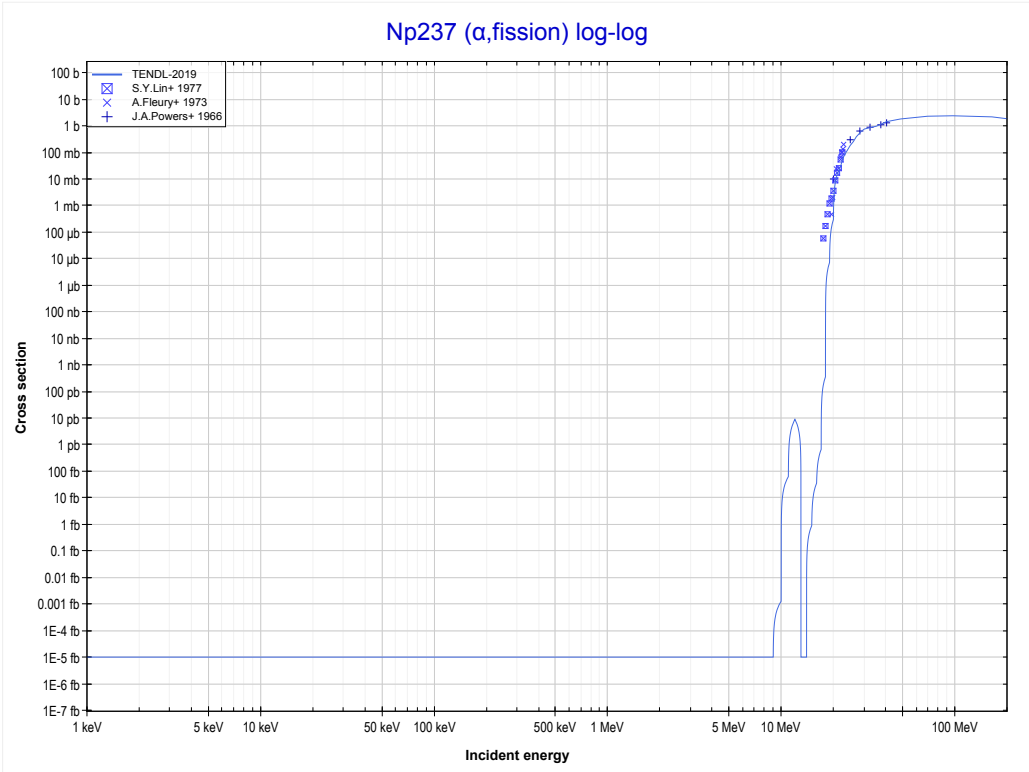
Reaction	Q-Value
Np237(α,2n)Am239	-18236.42 keV

<< 92-U-238	93-Np-237	94-Pu-239 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Am238 production)	MT18 (α ,fission) >>

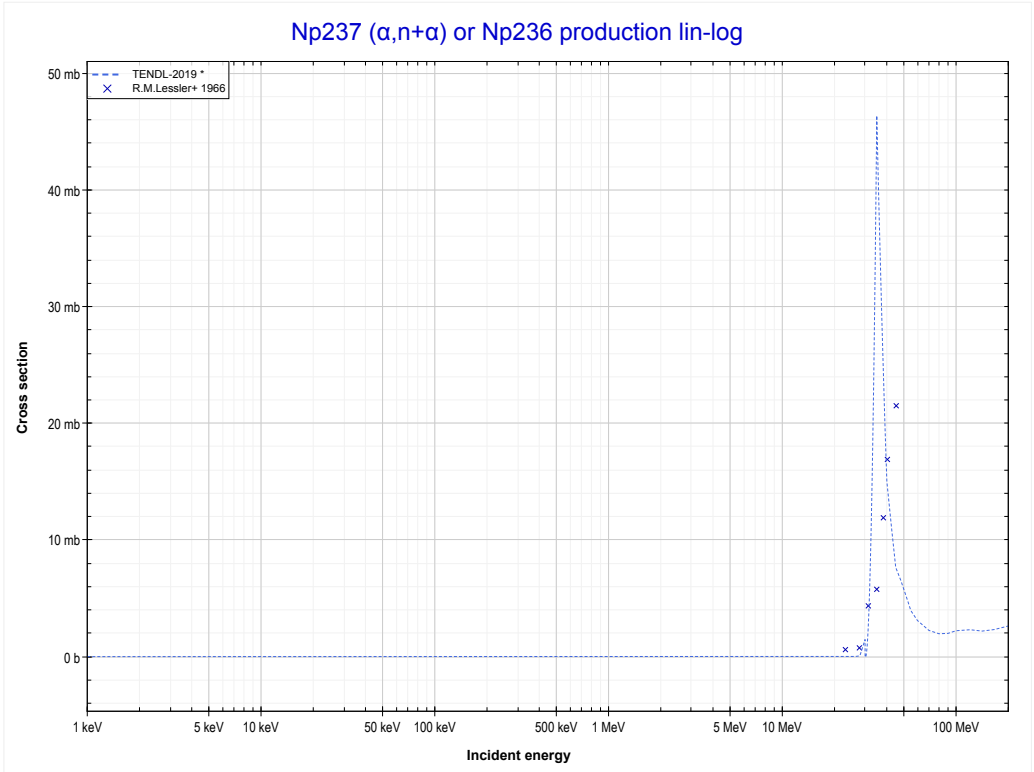
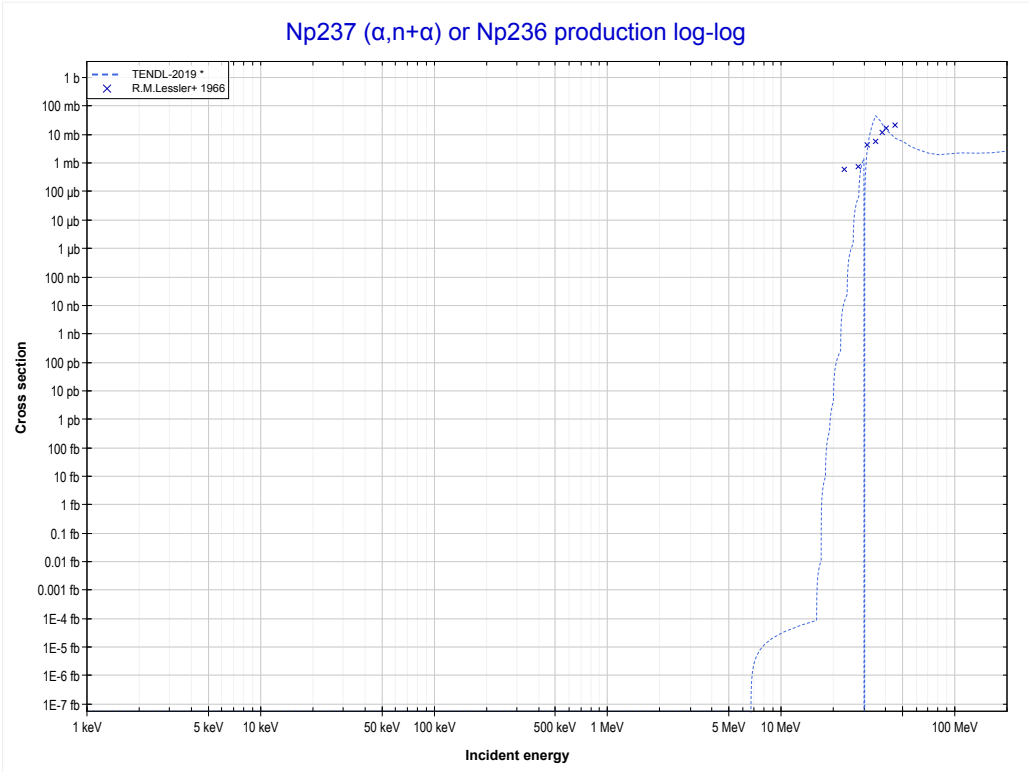


Reaction	Q-Value
Np237($\alpha,3n$)Am238	-25337.34 keV

<< 92-U-238	93-Np-237	94-Pu-239 >>
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT22 ($\alpha,n+\alpha$) >>

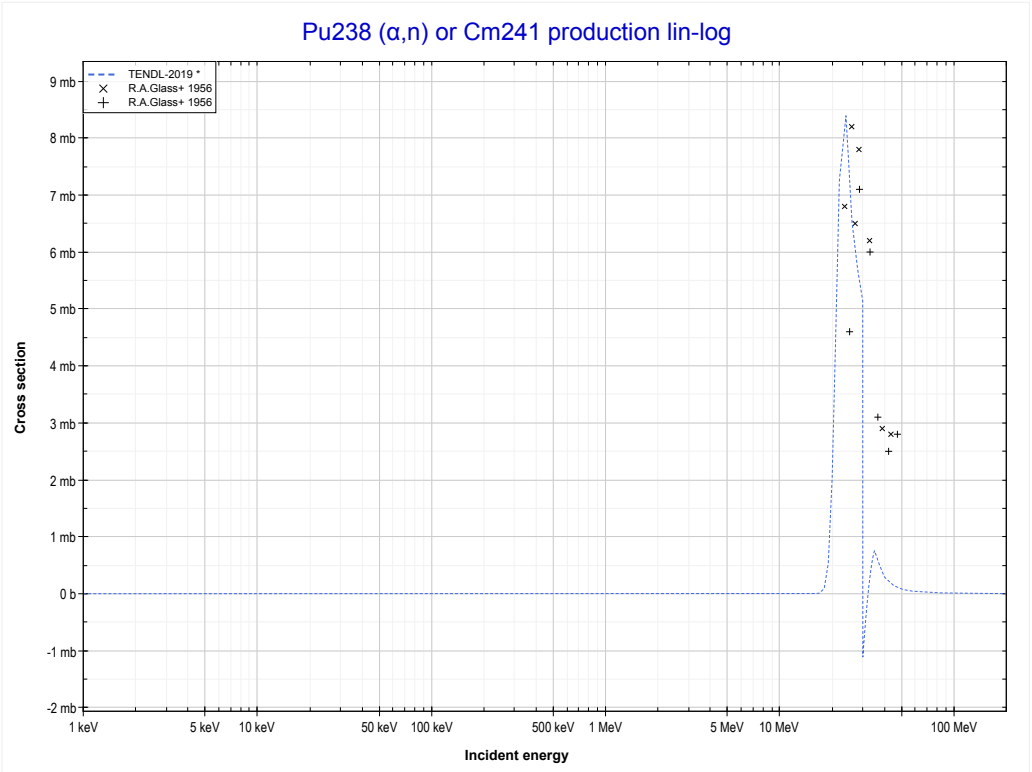
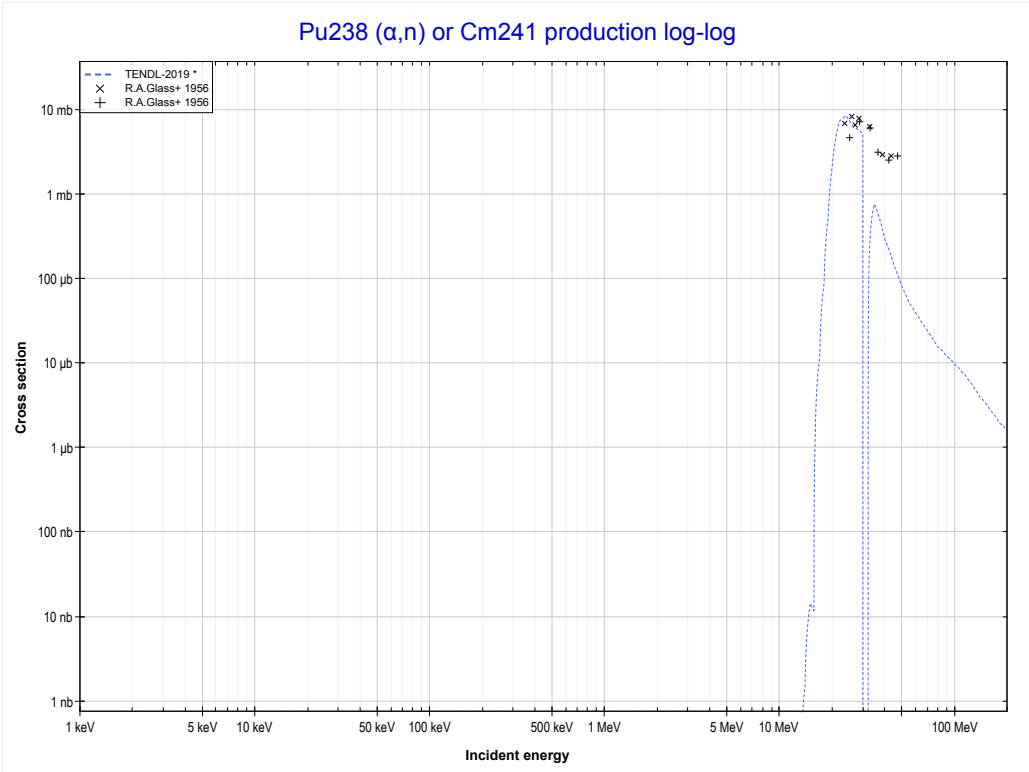


<< 92-U-238	93-Np-237	
<< MT18 (α,fission)	MT22 (α,n+α) or MT5 (Np236 production)	94-Pu-238 MT4 (α,n) >>



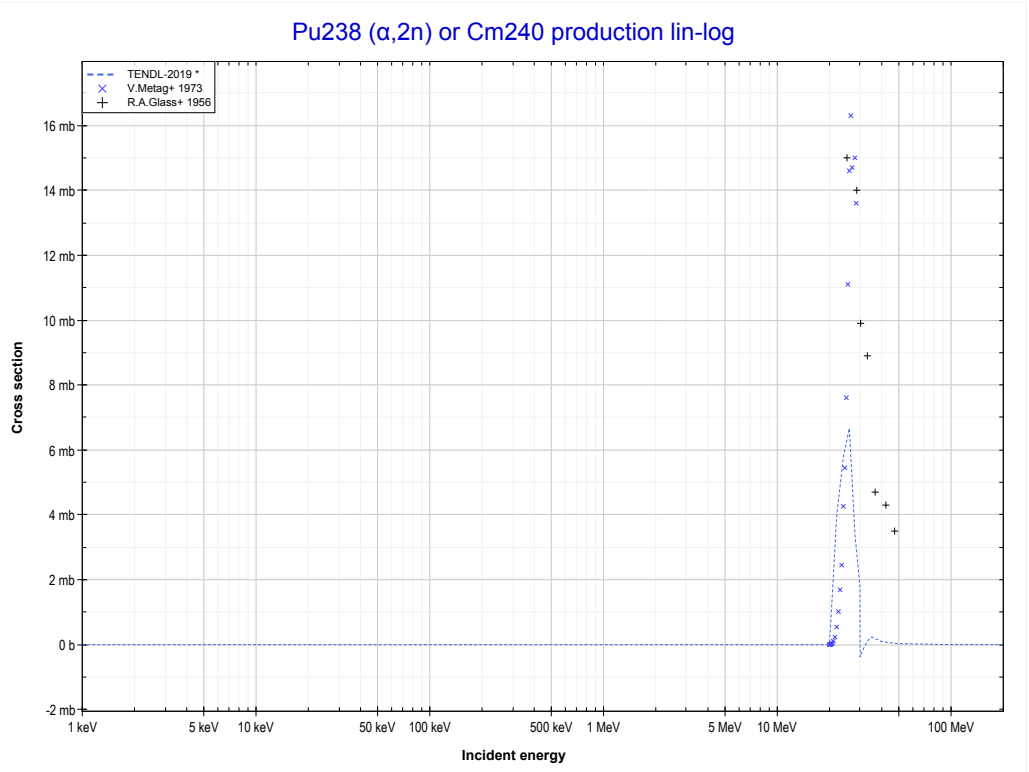
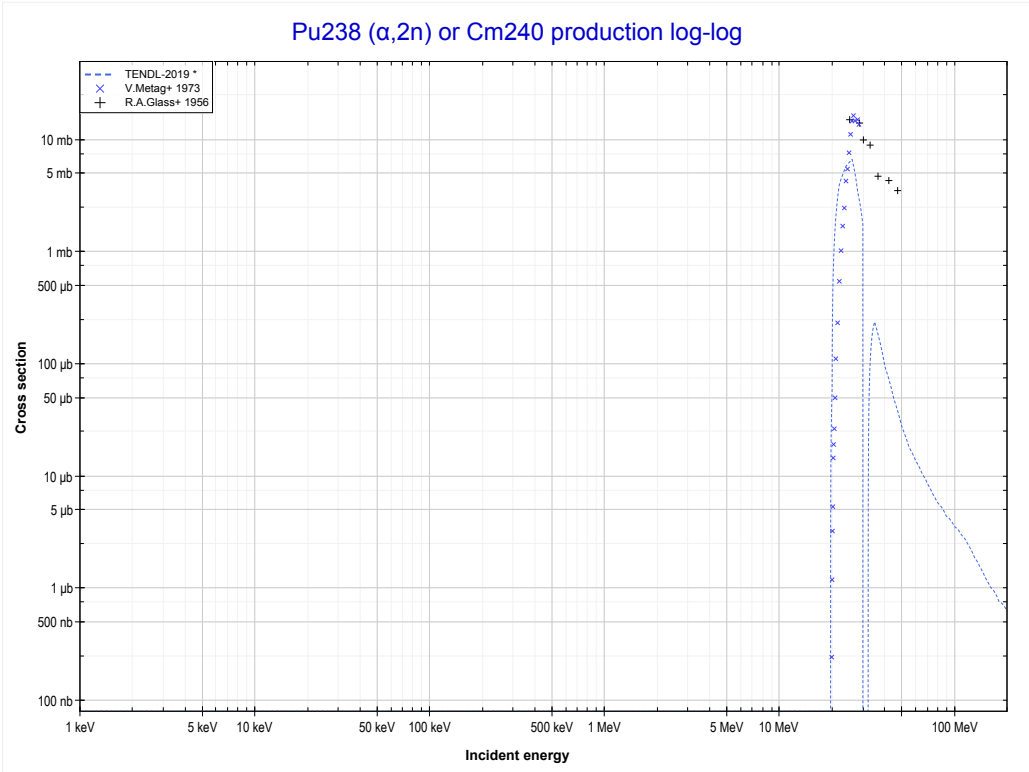
Reaction	Q-Value
Np237(α,n+α)Np236	-6579.62 keV
Np237(α,d+t)Np236	-24168.92 keV
Np237(α,n+p+t)Np236	-26393.48 keV
Np237(α,2n+He3)Np236	-27157.24 keV
Np237(α,n+2d)Np236	-30426.14 keV
Np237(α,2n+p+d)Np236	-32650.71 keV
Np237(α,3n+2p)Np236	-34875.28 keV

<< 93-Np-237	94-Pu-238	94-Pu-239 >>
<< 93-Np-237 MT22 ($\alpha,n+\alpha$)	MT4 (α,n) or MT5 (Cm241 production)	MT16 ($\alpha,2n$) >>



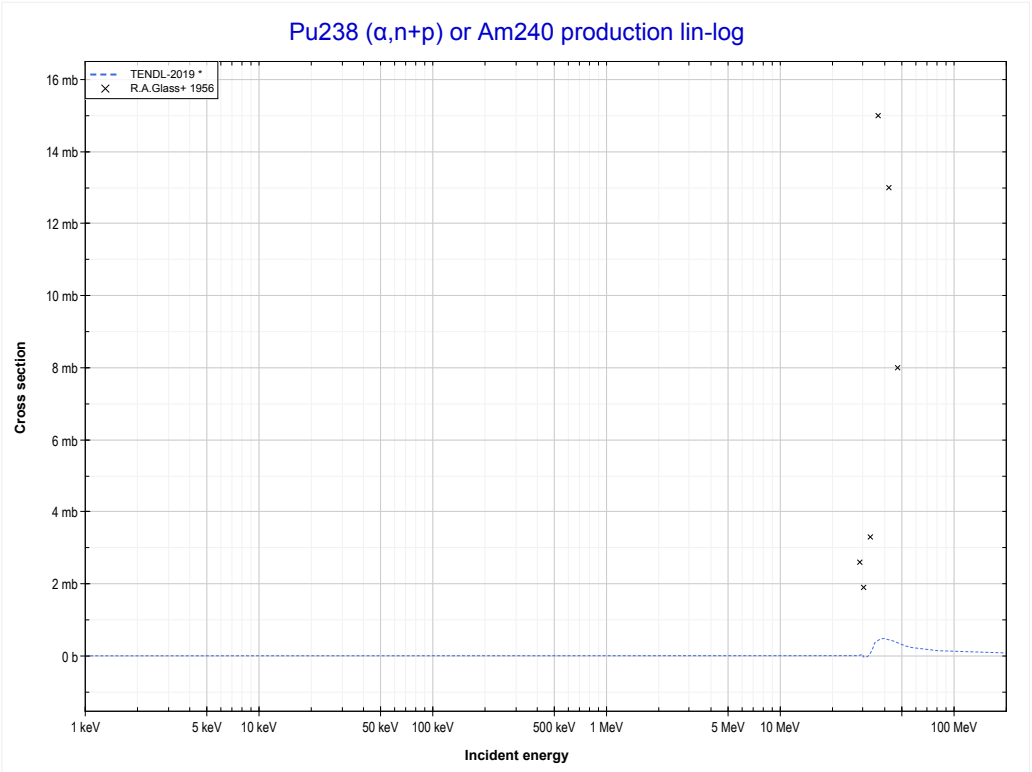
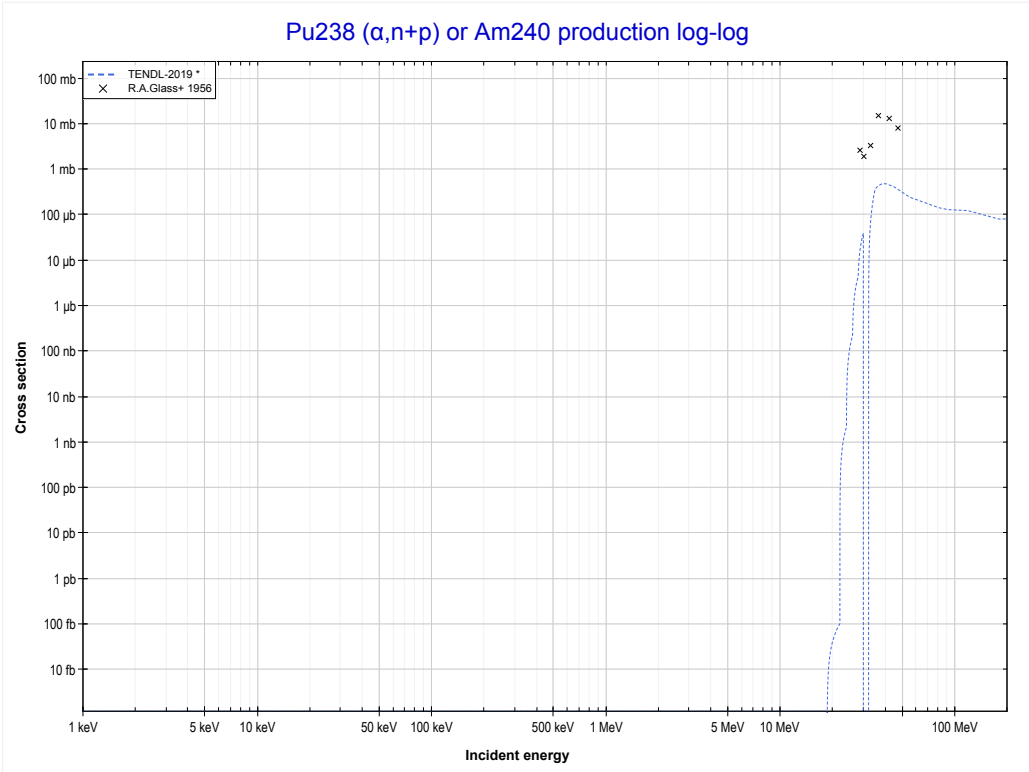
Reaction	Q-Value
Pu238(α,n)Cm241	-13185.00 keV

<< 93-Np-237	94-Pu-238	94-Pu-239 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Cm240 production)	MT28 (α,n+p) >>



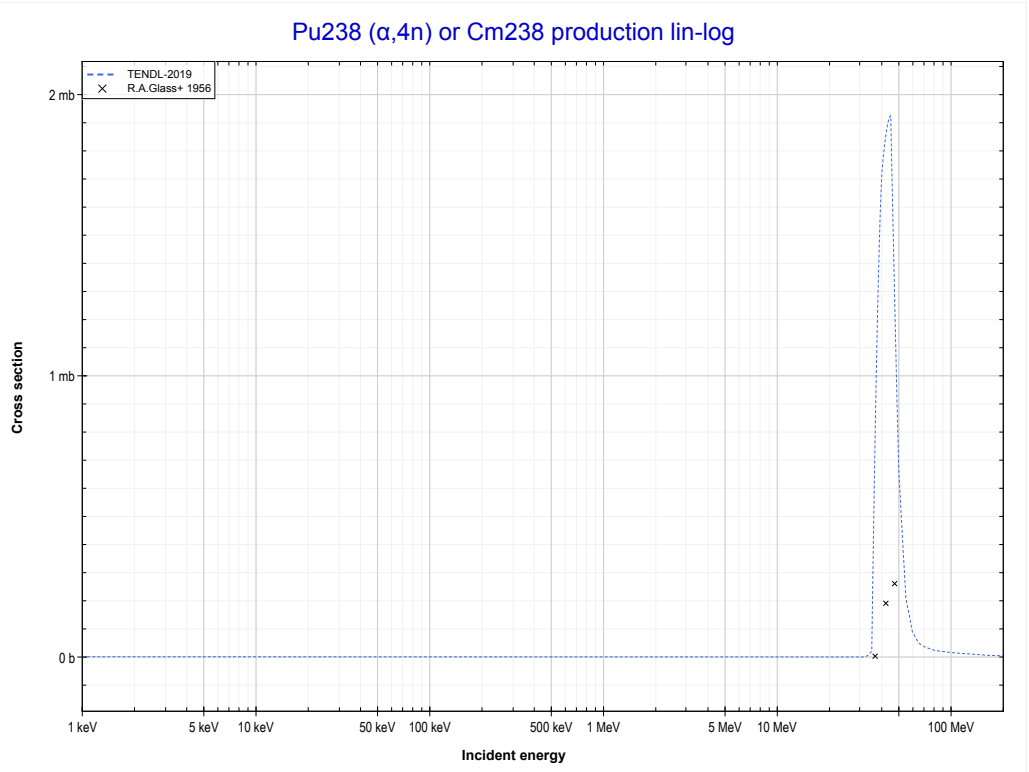
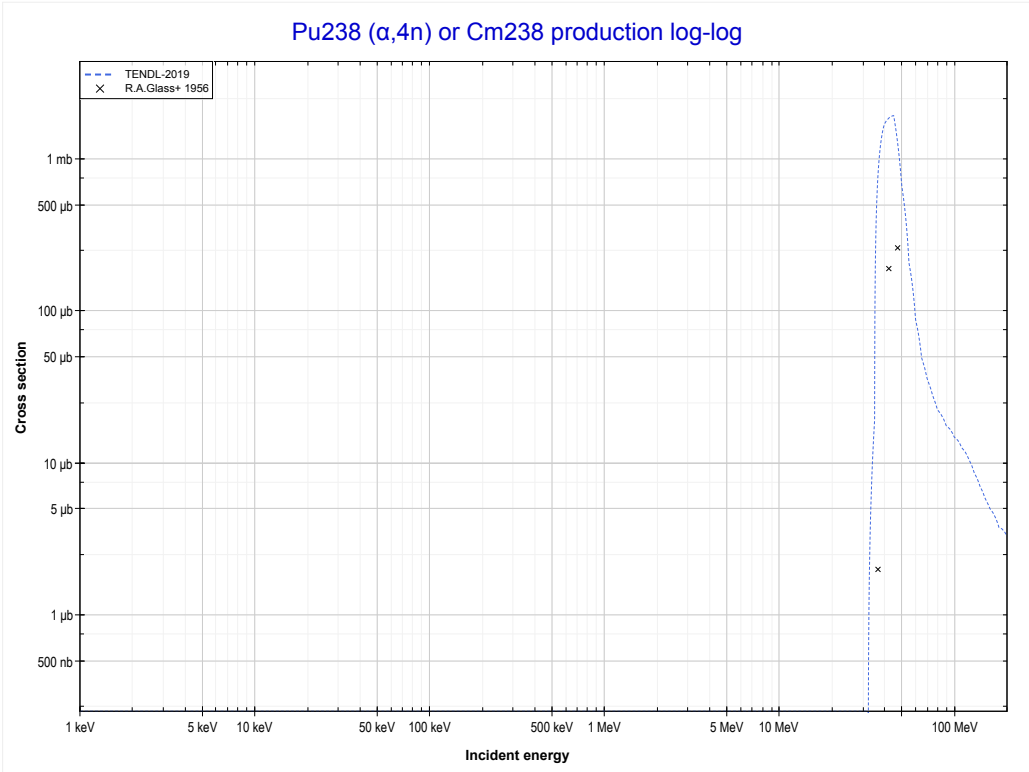
Reaction	Q-Value
Pu238(α,2n)Cm240	-19278.82 keV

<< 92-U-233	94-Pu-238	98-Cf-252 >>
<< MT16 (α,2n)	MT28 (α,n+p) or MT5 (Am240 production)	MT37 (α,4n) >>



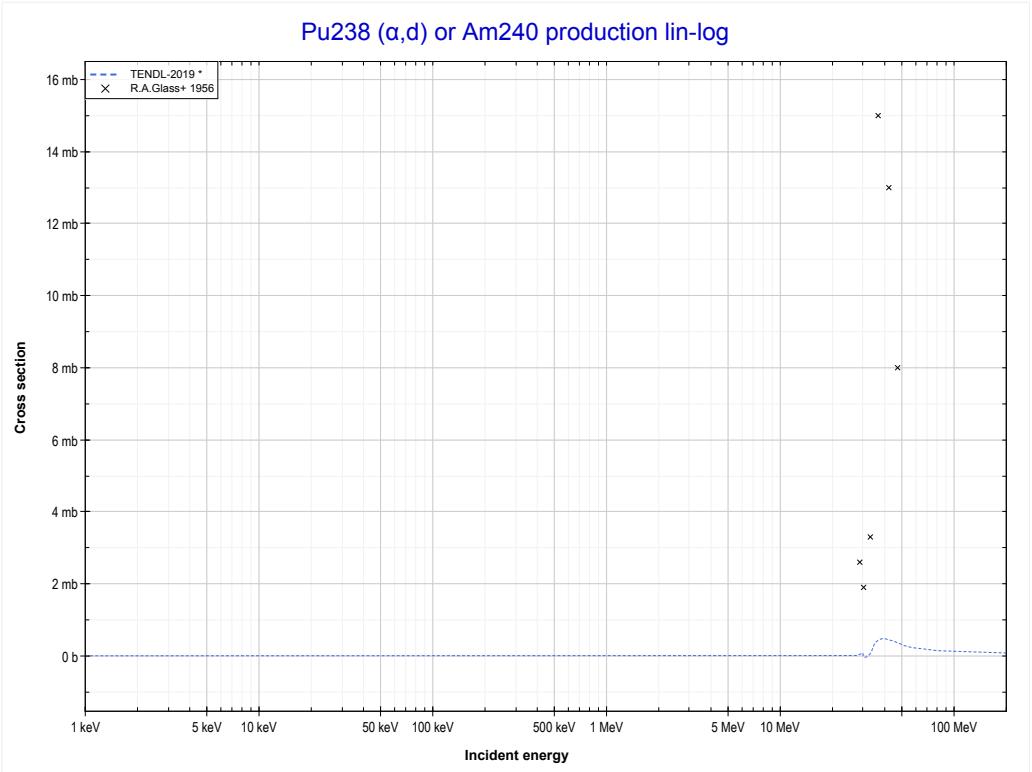
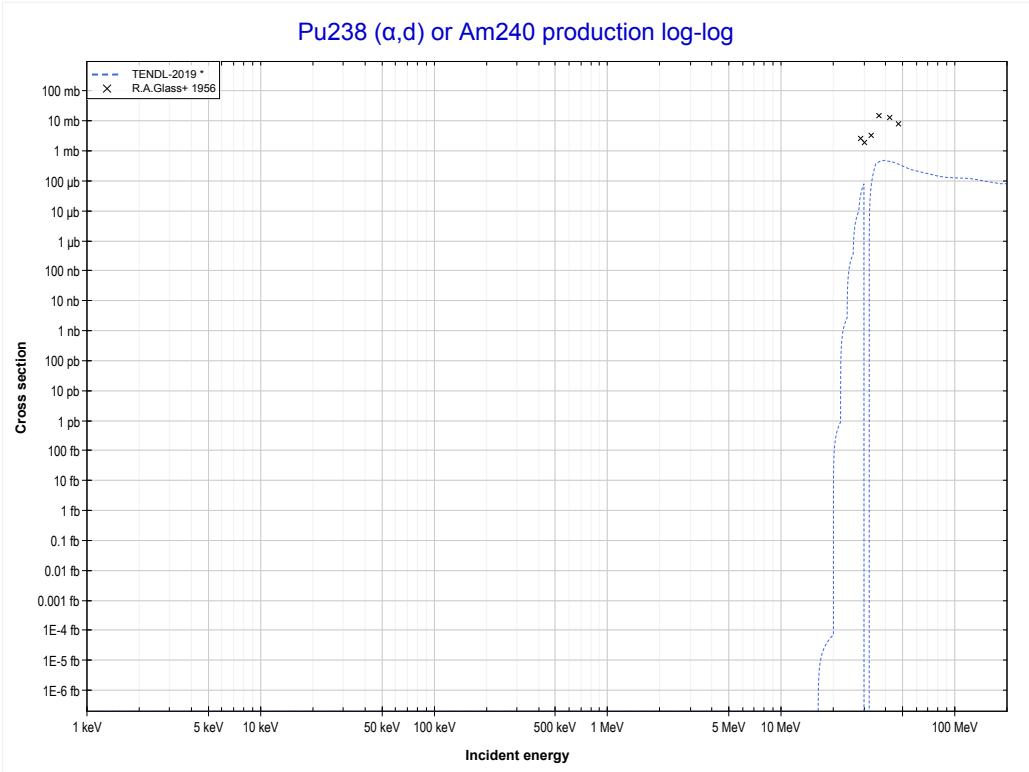
Reaction	Q-Value
Pu238(α,d)Am240	-16057.61 keV
Pu238(α,n+p)Am240	-18282.17 keV

<< 92-U-238	94-Pu-238	94-Pu-239 >>
<< MT28 (α,n+p)	MT37 (α,4n) or MT5 (Cm238 production)	MT104 (α,d) >>



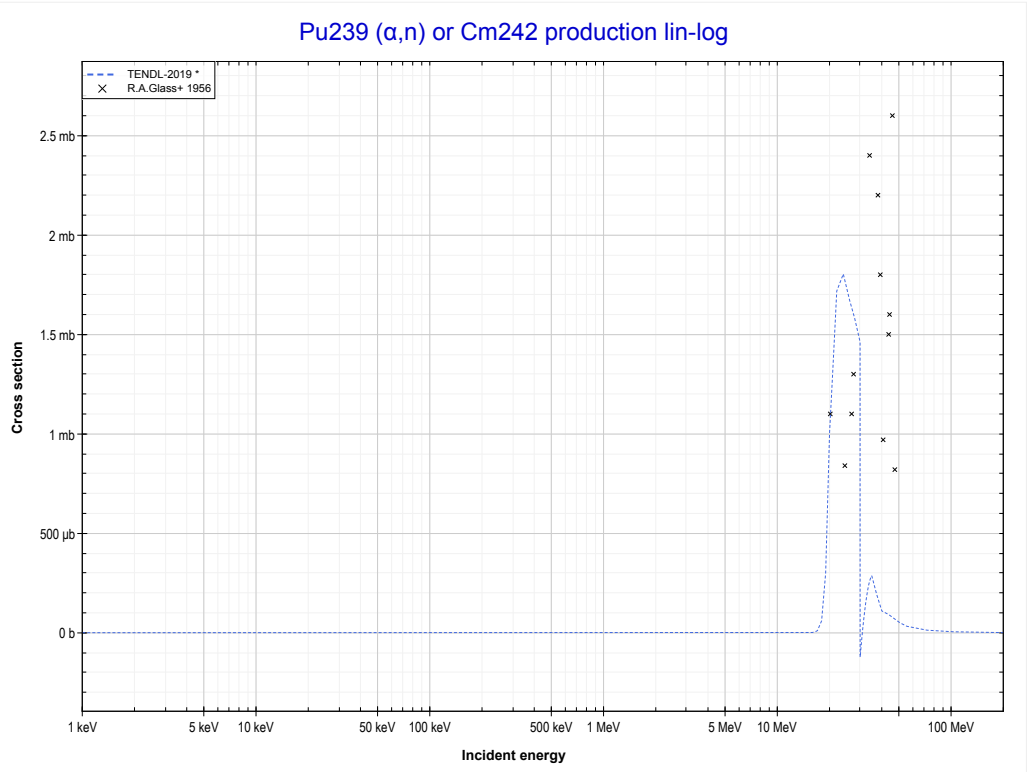
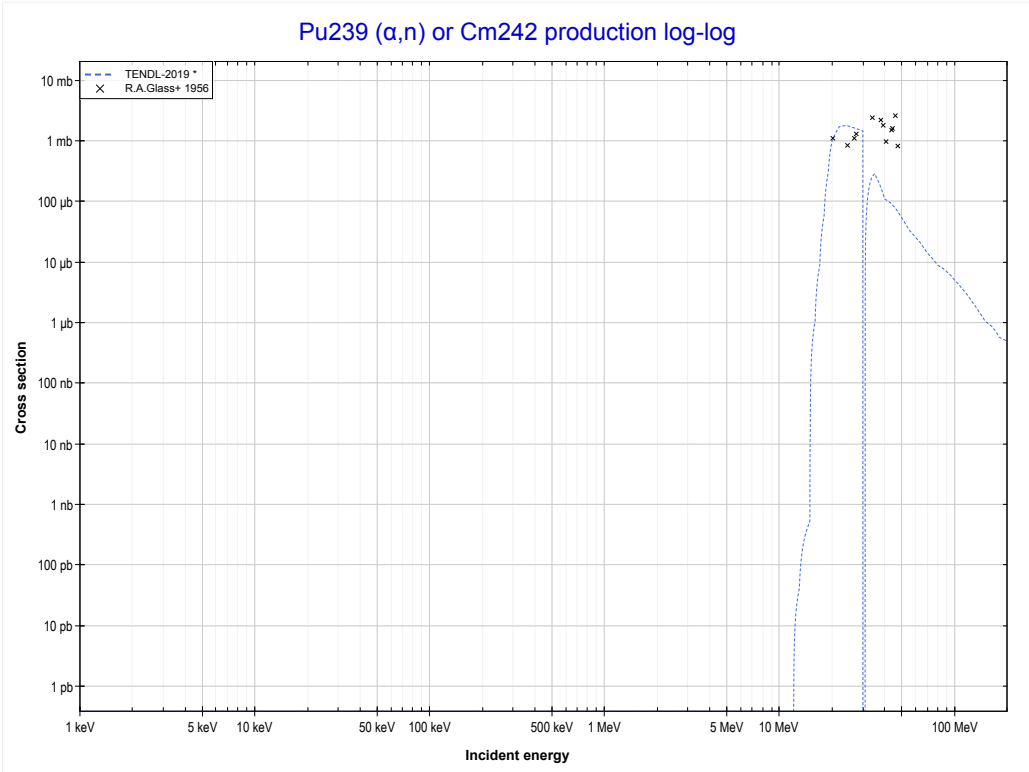
Reaction	Q-Value
Pu238(α,4n)Cm238	-33142.15 keV

<< 92-U-233	94-Pu-238	98-Cf-252 >>
<< MT37 (α,4n)	MT104 (α,d) or MT5 (Am240 production)	94-Pu-239 MT4 (α,n) >>



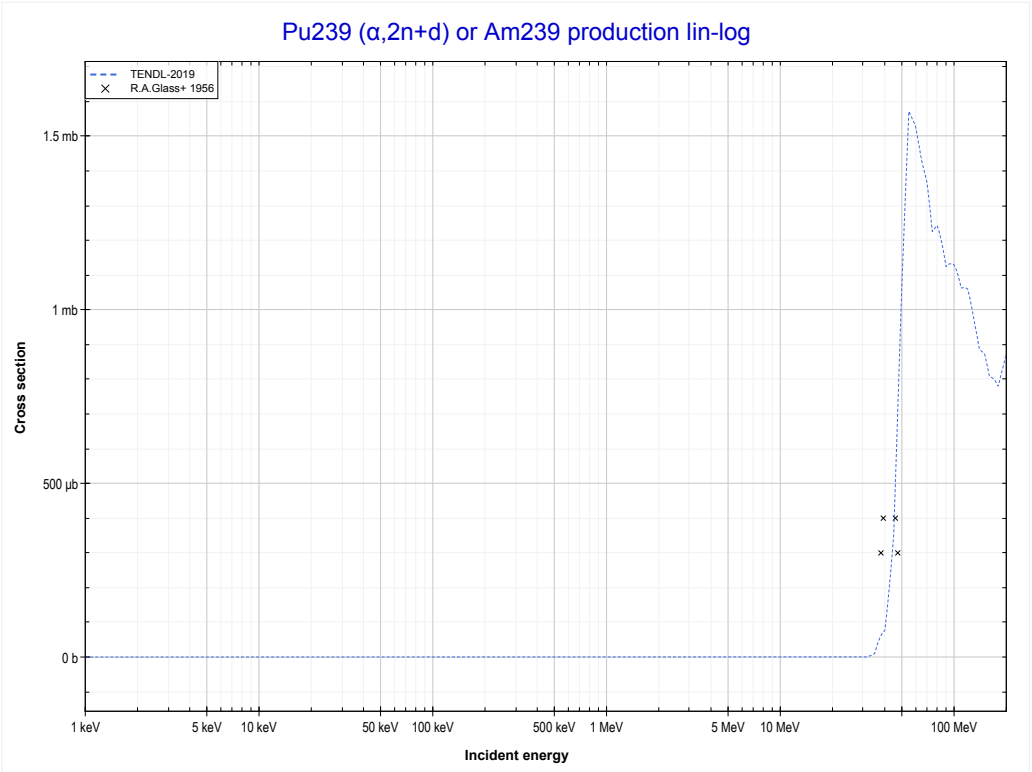
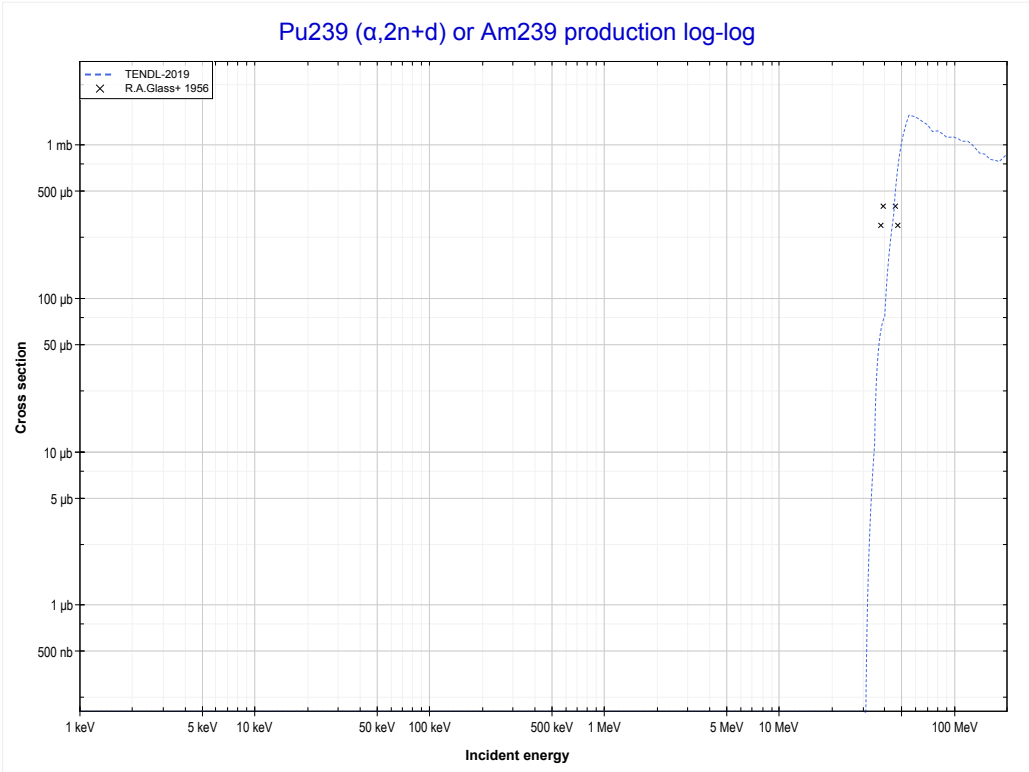
Reaction	Q-Value
Pu238(α,d)Am240	-16057.61 keV
Pu238(α,n+p)Am240	-18282.17 keV

<< 94-Pu-238	94-Pu-239	97-Bk-249 >>
<< 94-Pu-238 MT104 (α,d)	MT4 (α,n) or MT5 (Cm242 production)	MT11 (α,2n+d) >>



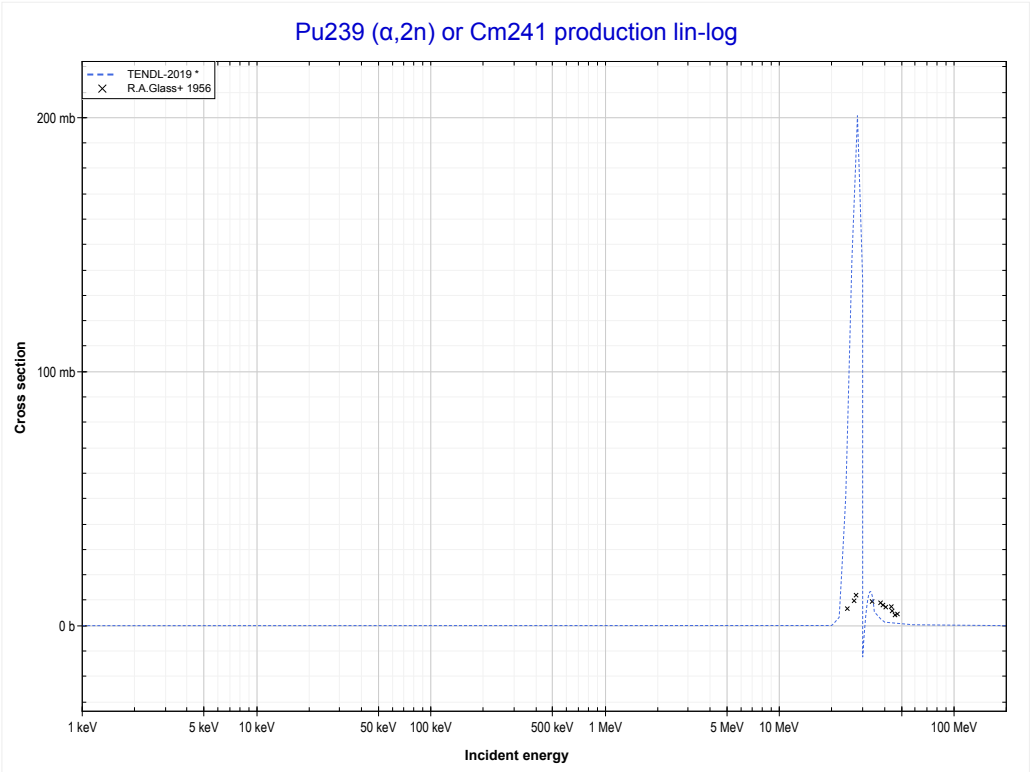
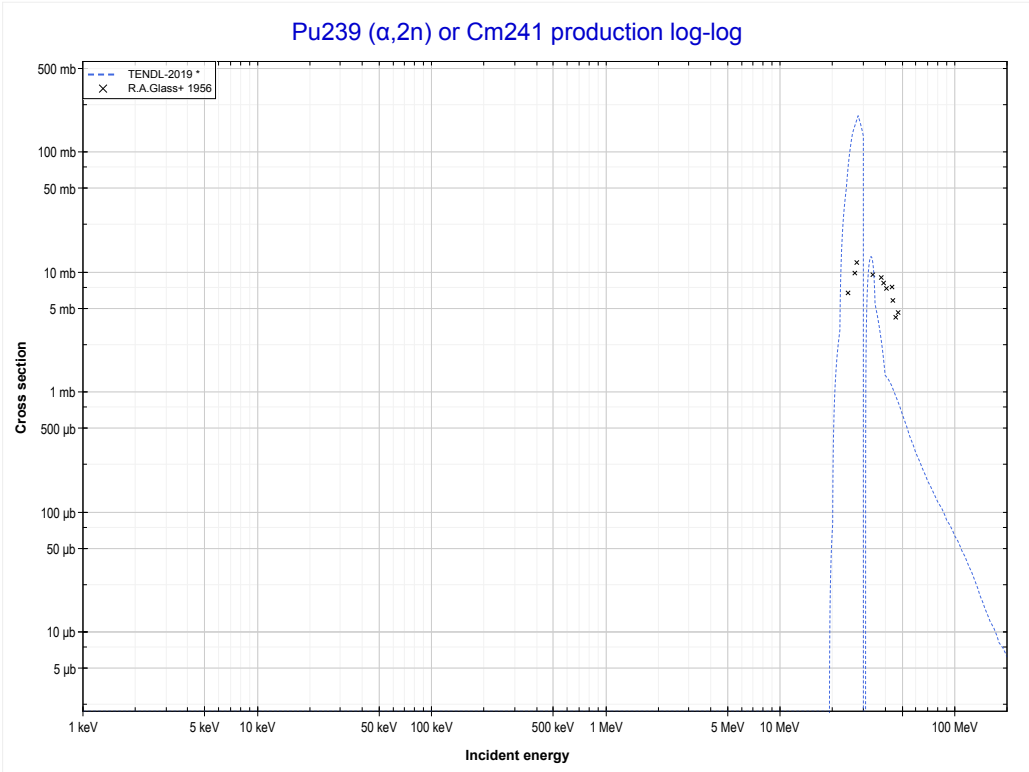
Reaction	Q-Value
Pu239(α,n)Cm242	-11861.90 keV

<< 92-U-238	94-Pu-239	
<< MT4 (α,n)	MT11 (α,2n+d) or MT5 (Am239 production)	MT16 (α,2n) >>



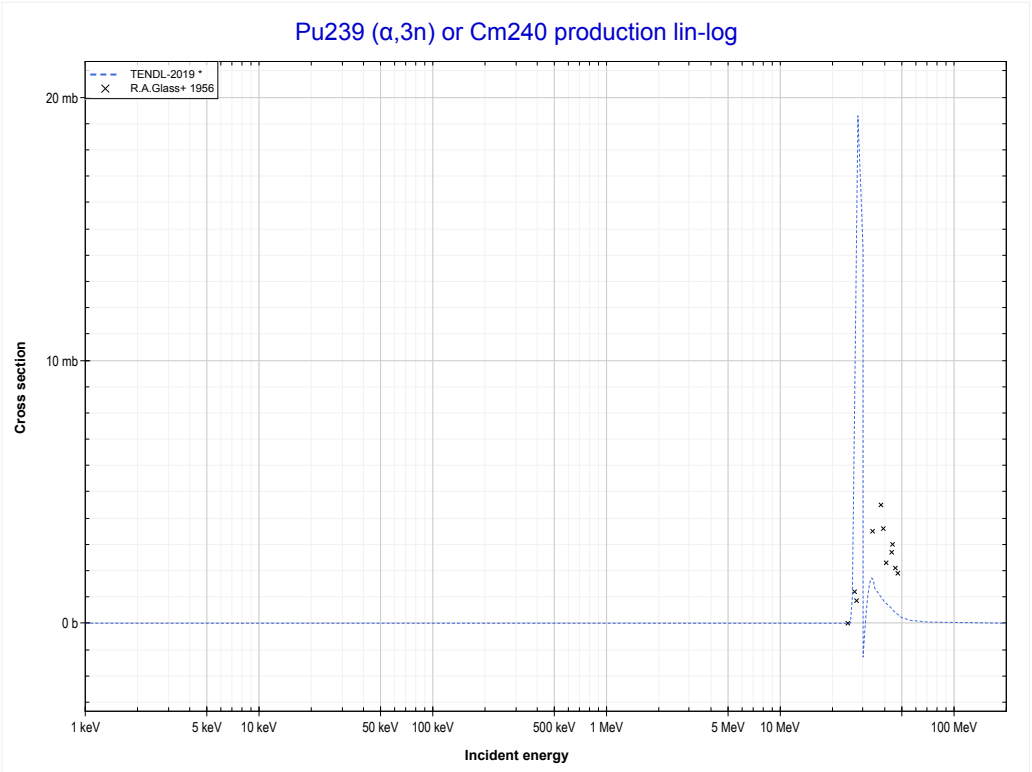
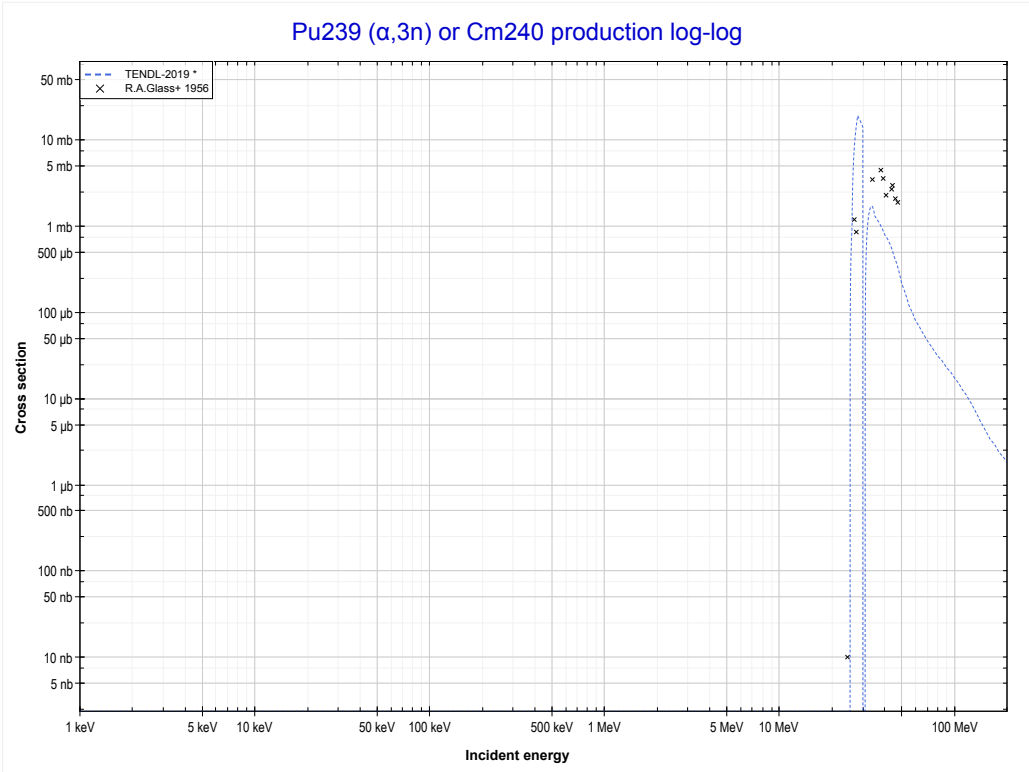
Reaction	Q-Value
Pu239(α,n+t)Am239	-21398.31 keV
Pu239(α,2n+d)Am239	-27655.54 keV
Pu239(α,3n+p)Am239	-29880.11 keV

<< 94-Pu-238	94-Pu-239	97-Bk-249 >>
<< MT11 ($\alpha,2n+d$)	MT16 ($\alpha,2n$) or MT5 (Cm241 production)	MT17 ($\alpha,3n$) >>



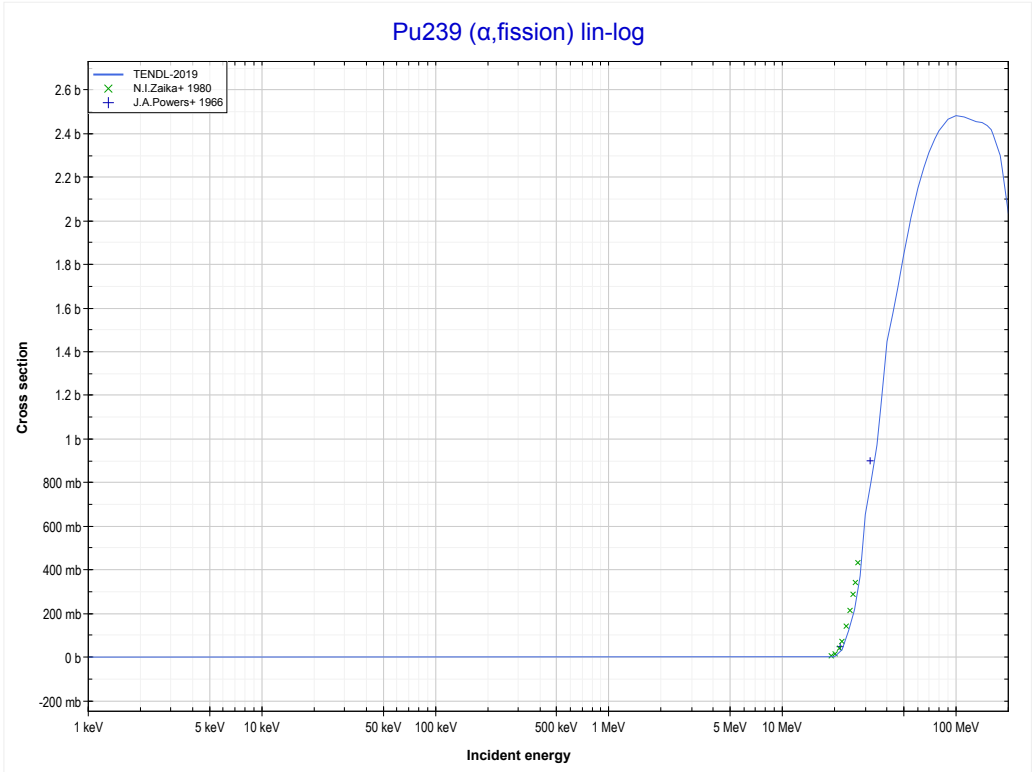
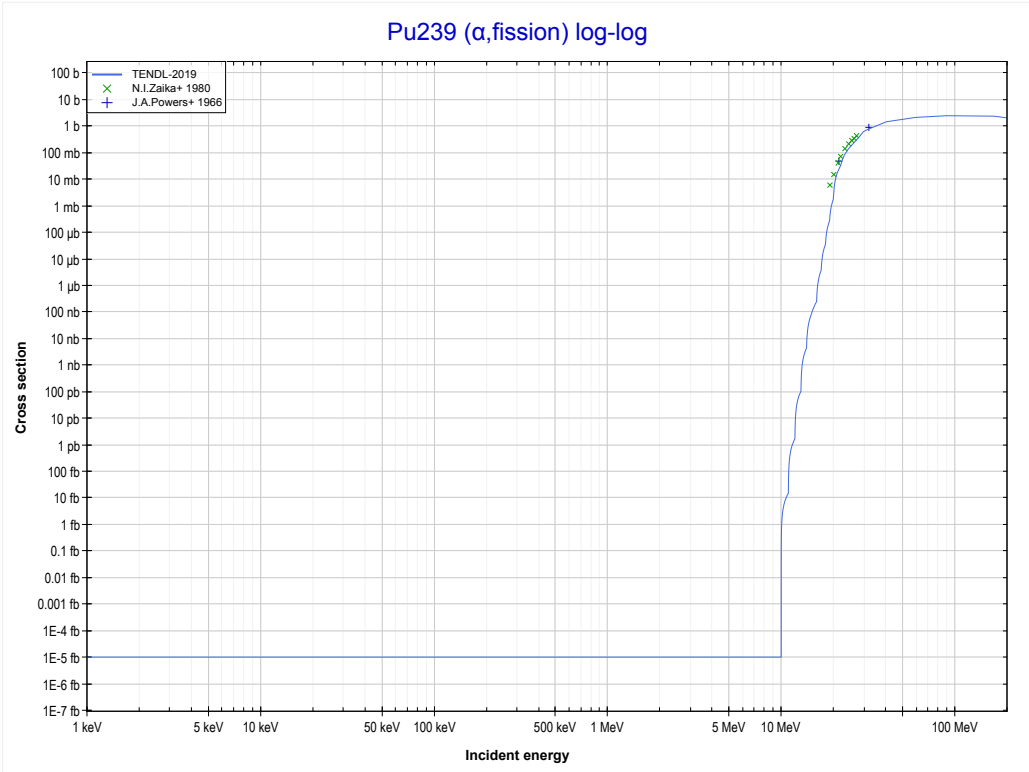
Reaction	Q-Value
Pu239($\alpha,2n$)Cm241	-18831.22 keV

<< 93-Np-237	94-Pu-239	96-Cm-244 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Cm240 production)	MT18 (α ,fission) >>

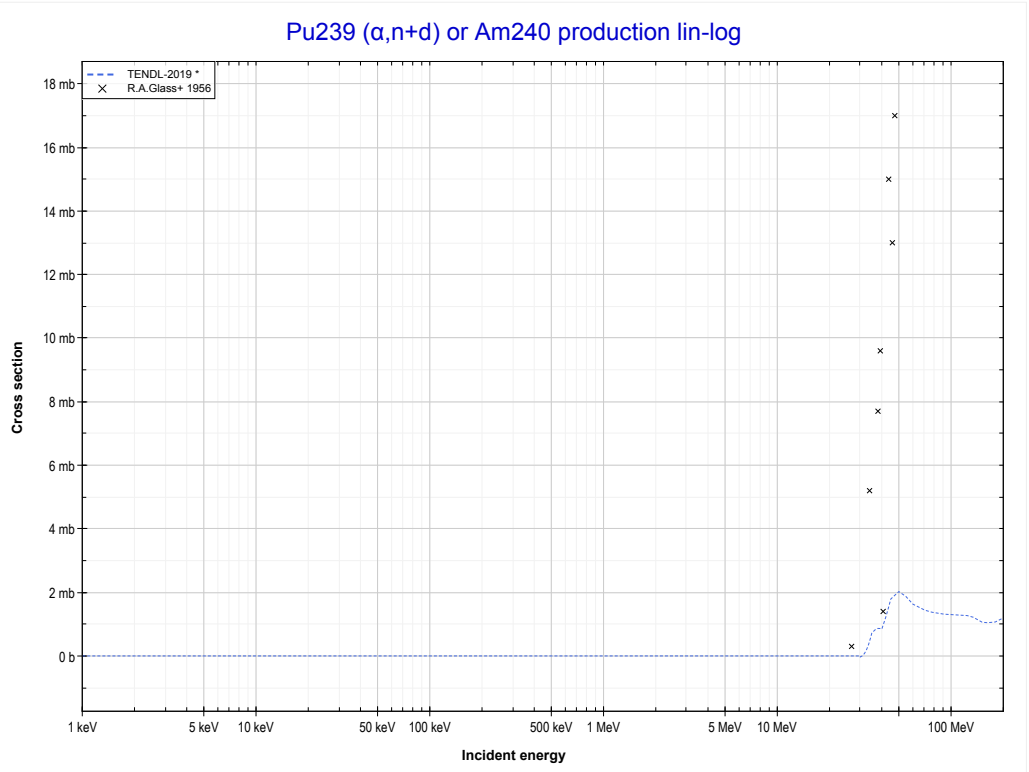
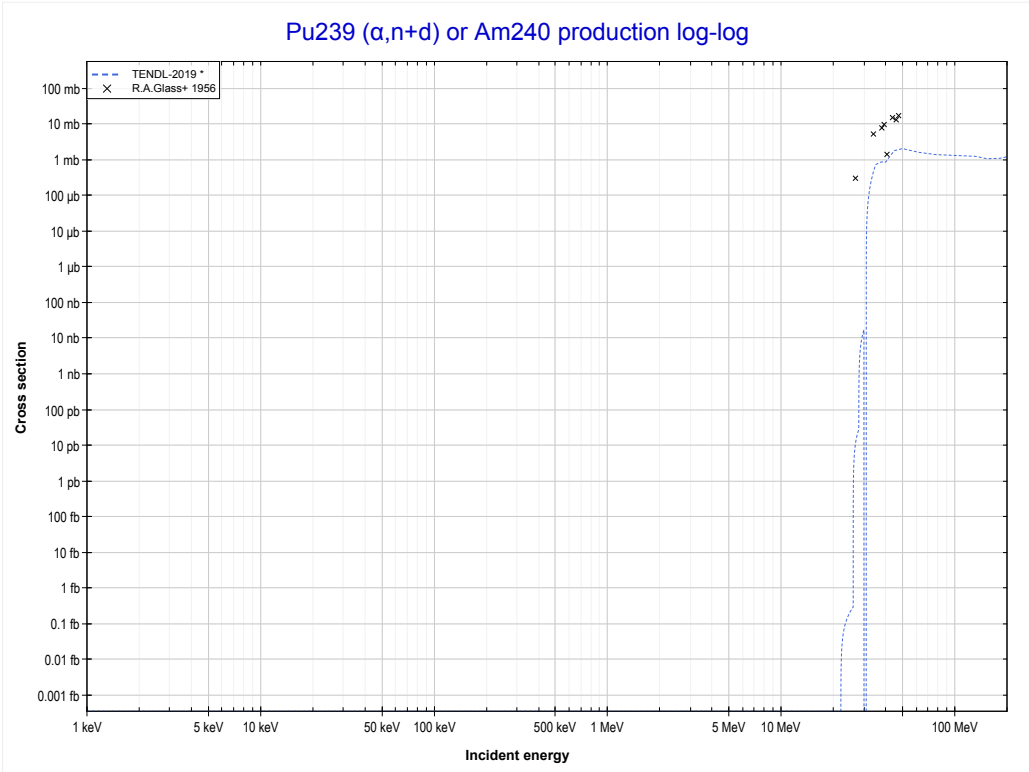


Reaction	Q-Value
Pu239($\alpha,3n$)Cm240	-24925.04 keV

<< 93-Np-237	94-Pu-239	
<< MT17 ($\alpha,3n$)	MT18 (α ,fission)	MT32 (α ,n+d) >>

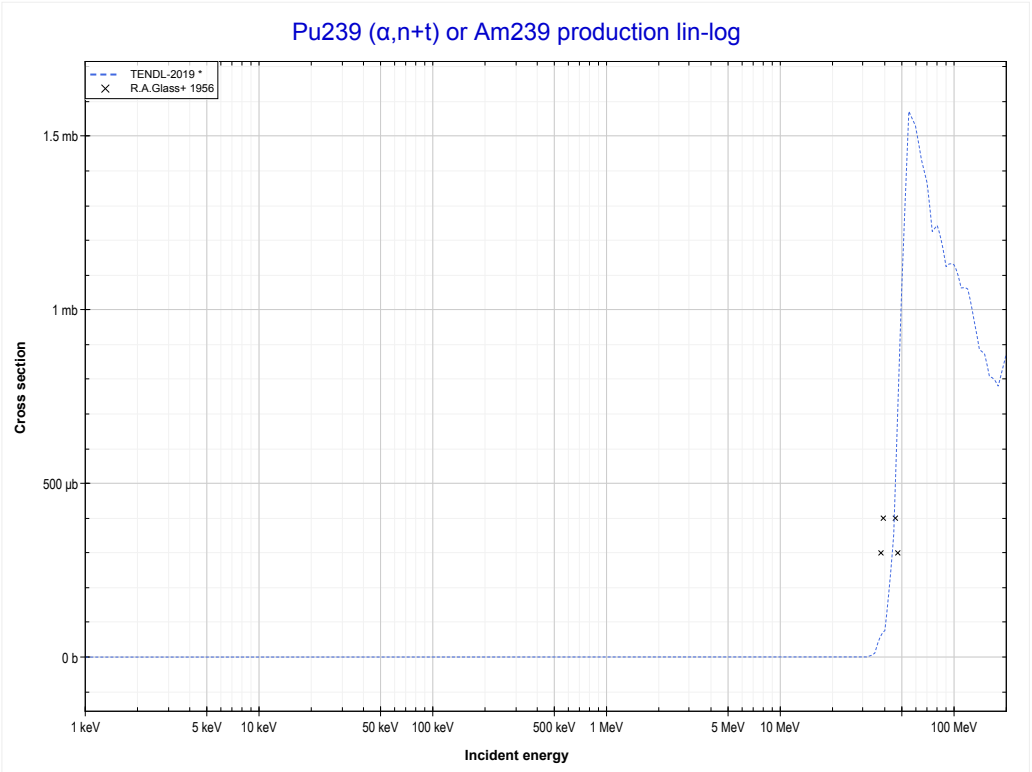
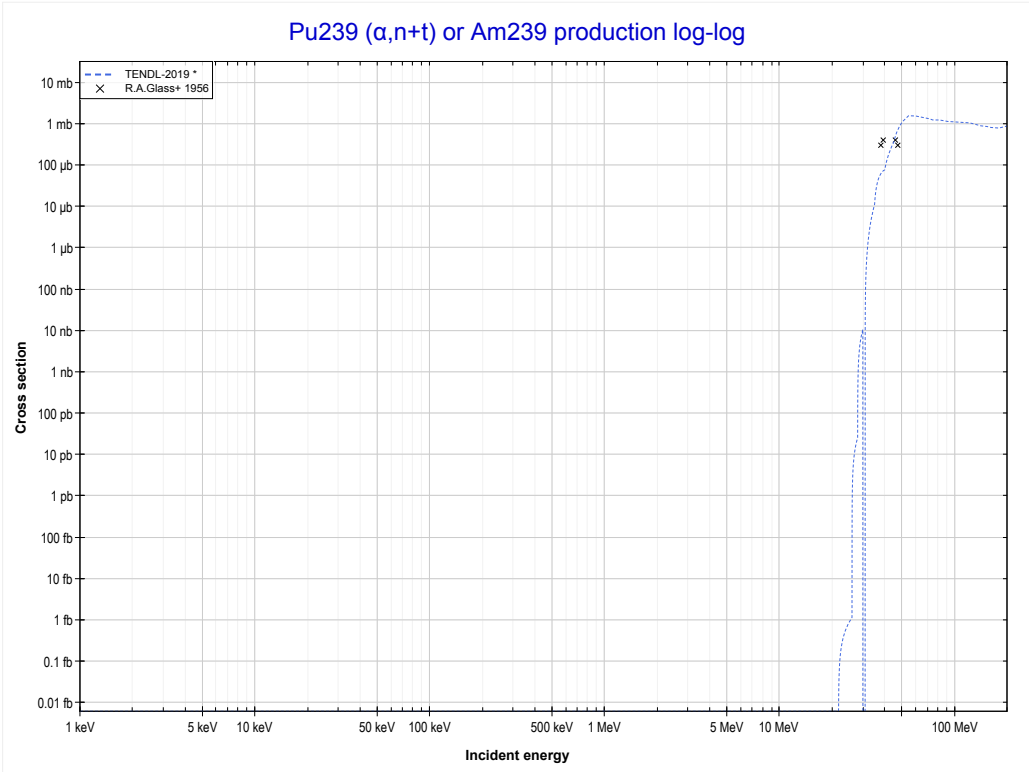


<< 92-U-238	94-Pu-239	98-Cf-252 >>
<< MT18 (α,fission)	MT32 (α,n+d) or MT5 (Am240 production)	MT33 (α,n+t) >>



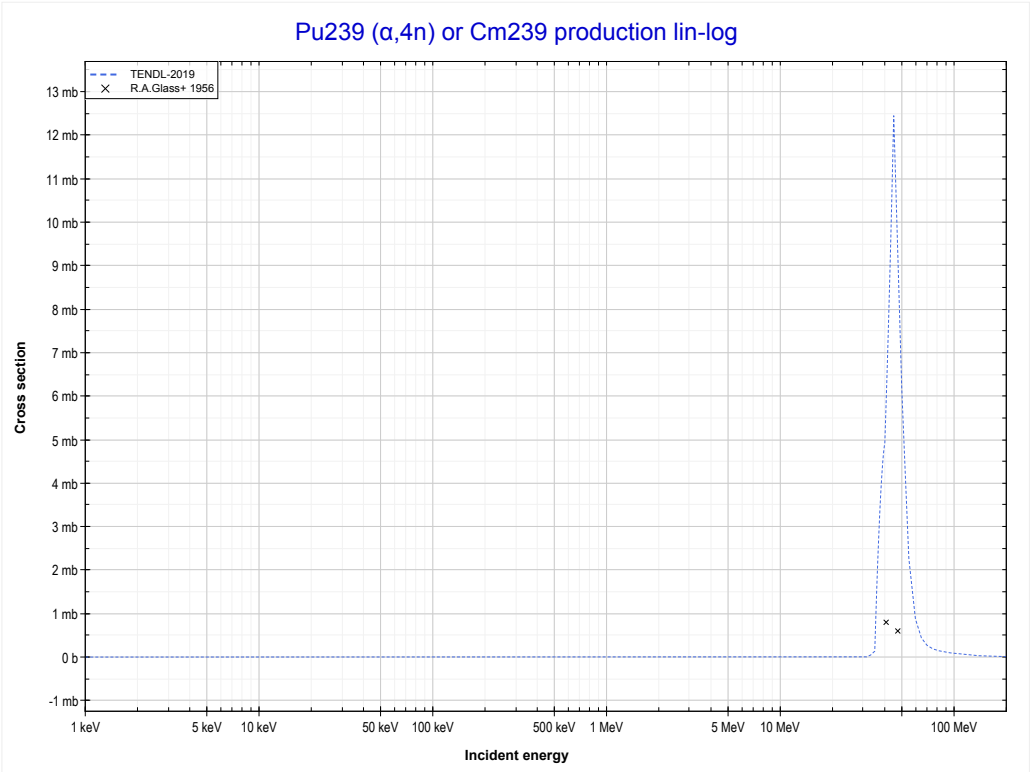
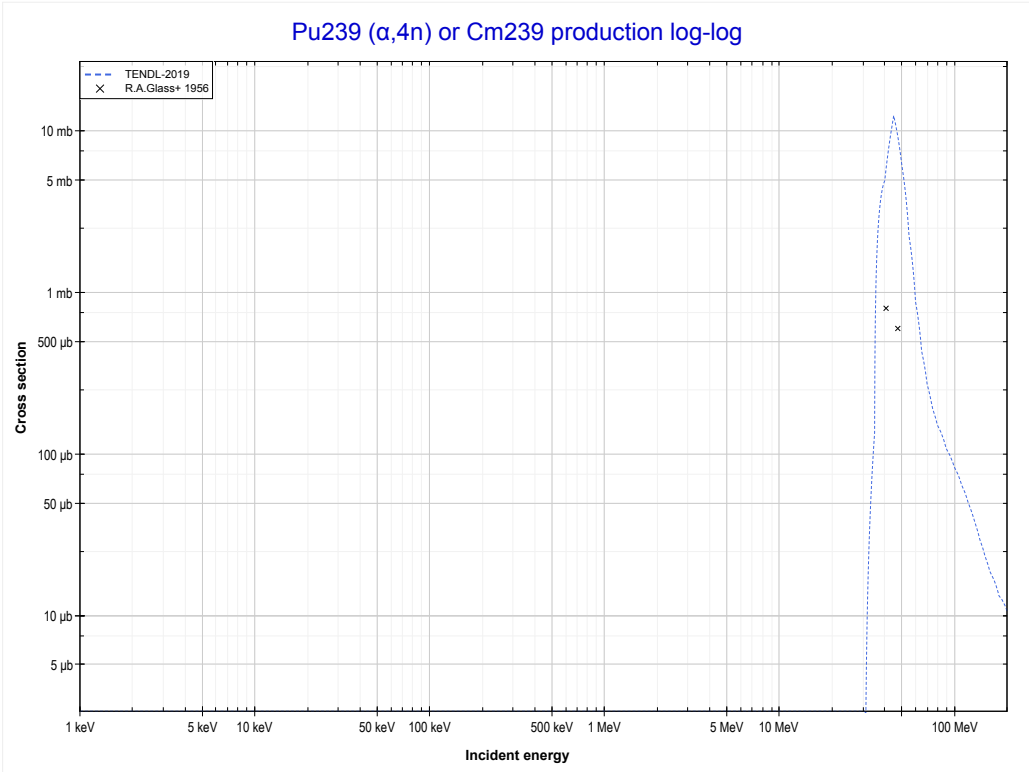
Reaction	Q-Value
Pu239(α,t)Am240	-15446.59 keV
Pu239(α,n+d)Am240	-21703.82 keV
Pu239(α,2n+p)Am240	-23928.39 keV

<< 92-U-238	94-Pu-239	
<< MT32 ($\alpha,n+d$)	MT33 ($\alpha,n+t$) or MT5 (Am239 production)	MT37 ($\alpha,4n$) >>



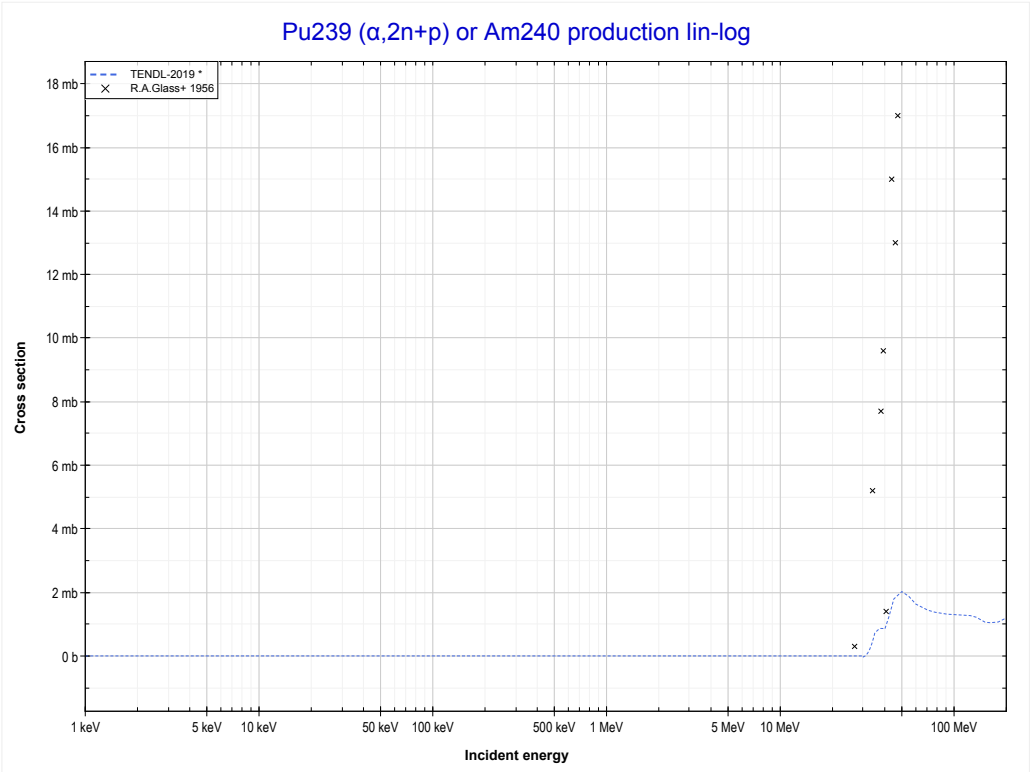
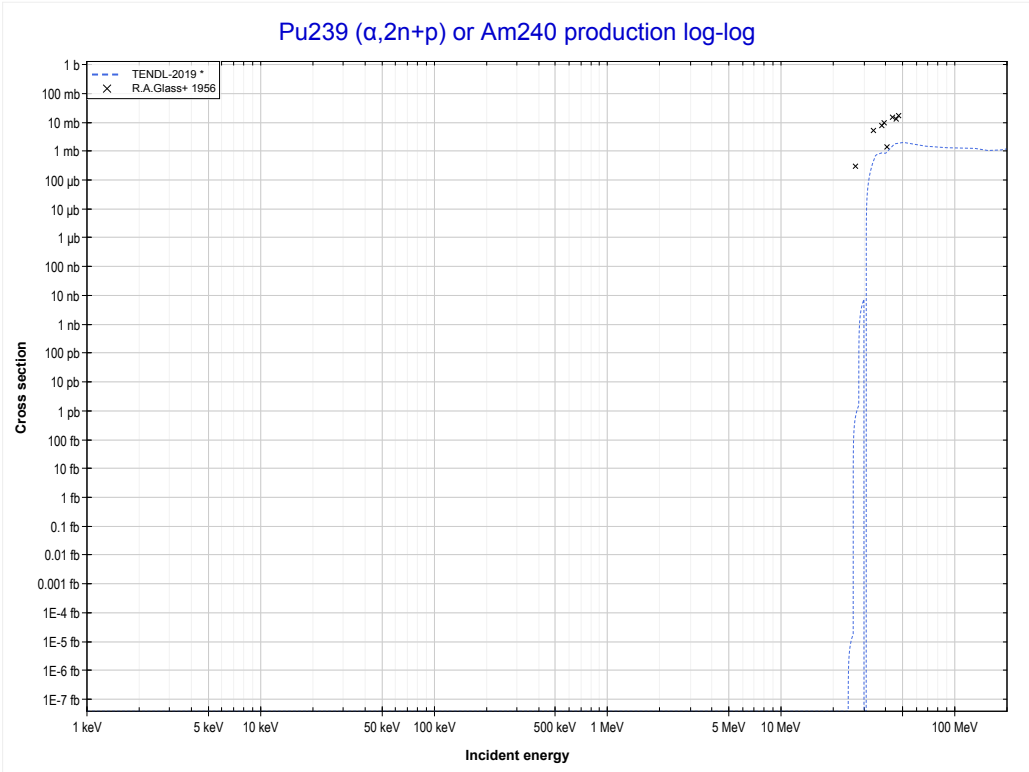
Reaction	Q-Value
Pu239($\alpha,n+t$)Am239	-21398.31 keV
Pu239($\alpha,2n+d$)Am239	-27655.54 keV
Pu239($\alpha,3n+p$)Am239	-29880.11 keV

<< 94-Pu-238	94-Pu-239	94-Pu-242 >>
<< MT33 ($\alpha,n+t$)	MT37 ($\alpha,4n$) or MT5 (Cm239 production)	MT41 ($\alpha,2n+p$) >>



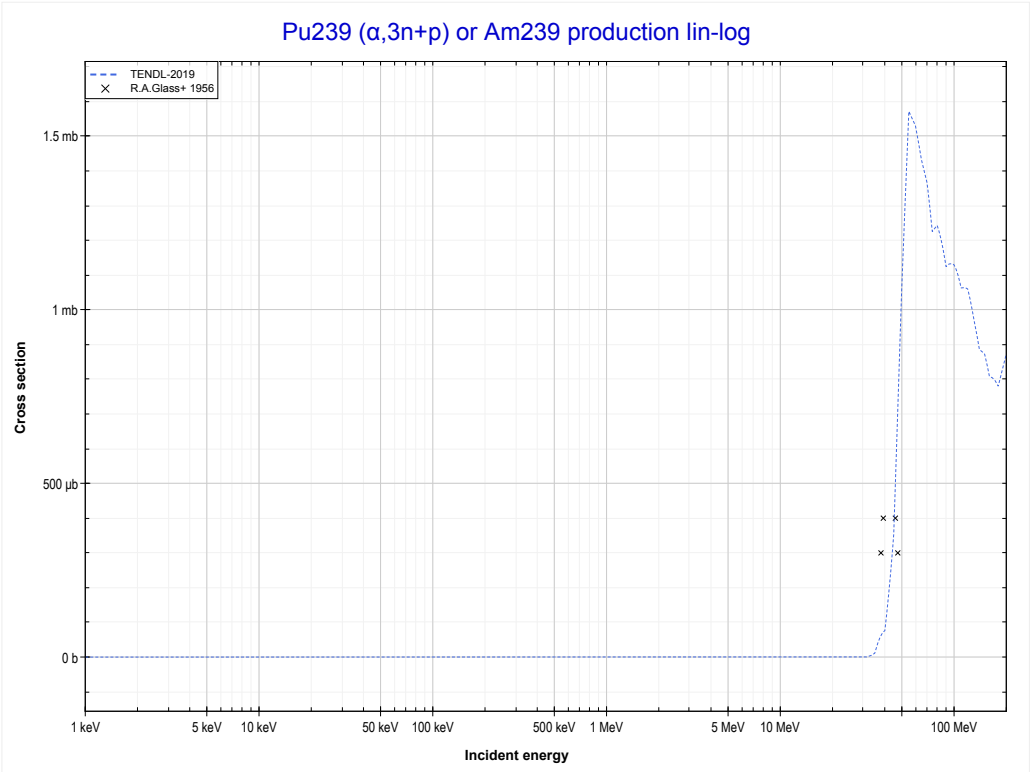
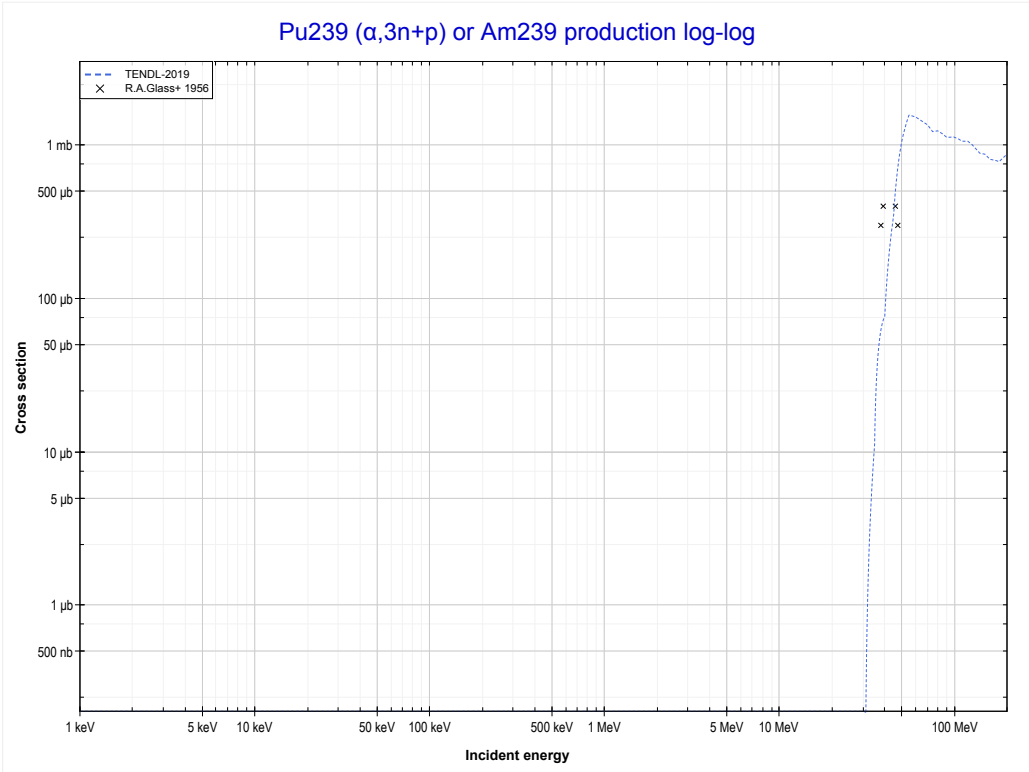
Reaction	Q-Value
Pu239($\alpha,4n$)Cm239	-32422.05 keV

<< 92-U-238	94-Pu-239	98-Cf-252 >>
<< MT37 ($\alpha,4n$)	MT41 ($\alpha,2n+p$) or MT5 (Am240 production)	MT42 ($\alpha,3n+p$) >>



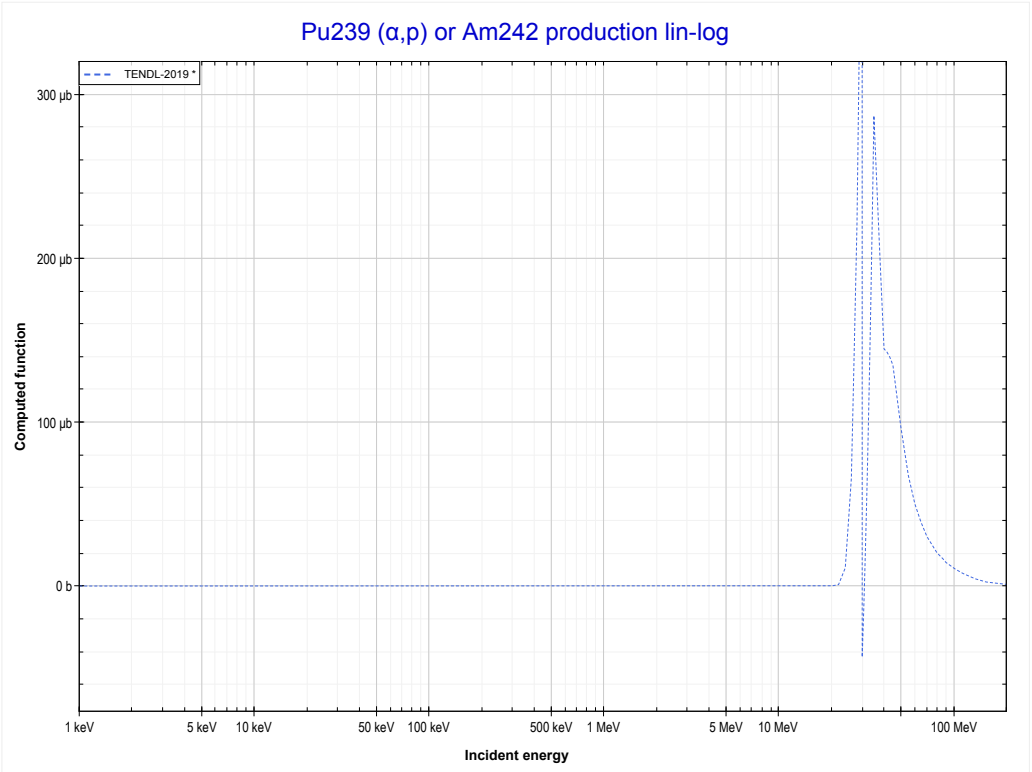
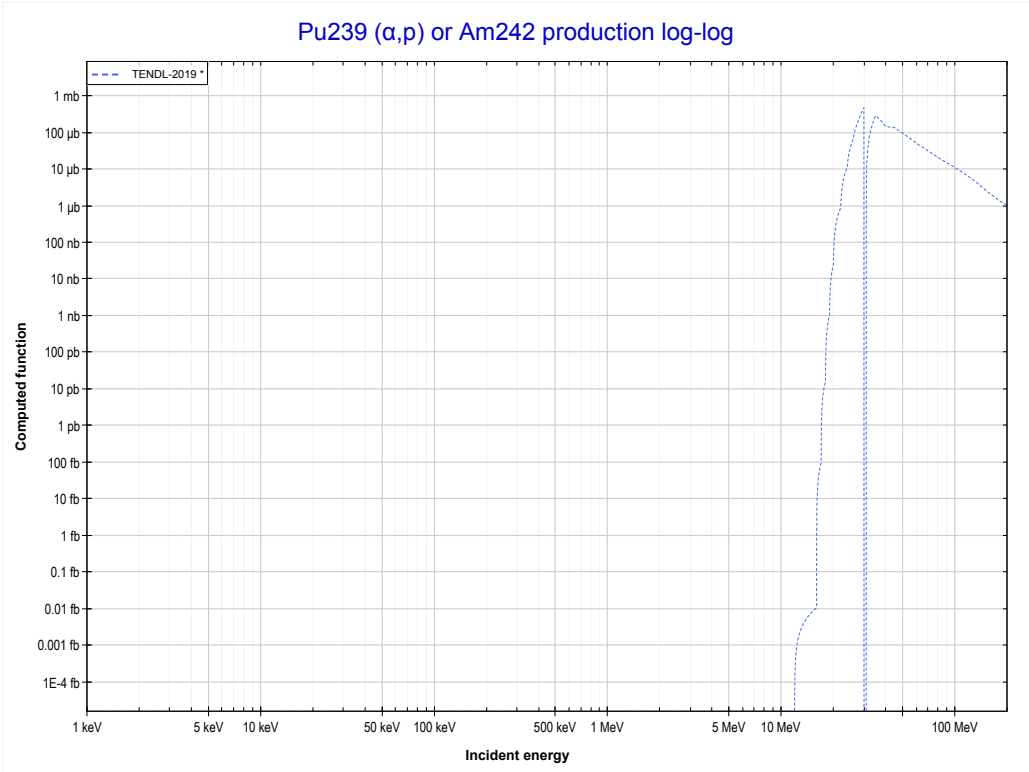
Reaction	Q-Value
Pu239(α,t)Am240	-15446.59 keV
Pu239($\alpha,n+d$)Am240	-21703.82 keV
Pu239($\alpha,2n+p$)Am240	-23928.39 keV

<< 92-U-238	94-Pu-239	
<< MT41 ($\alpha,2n+p$)	MT42 ($\alpha,3n+p$) or MT5 (Am239 production)	MT103 (α,p) >>



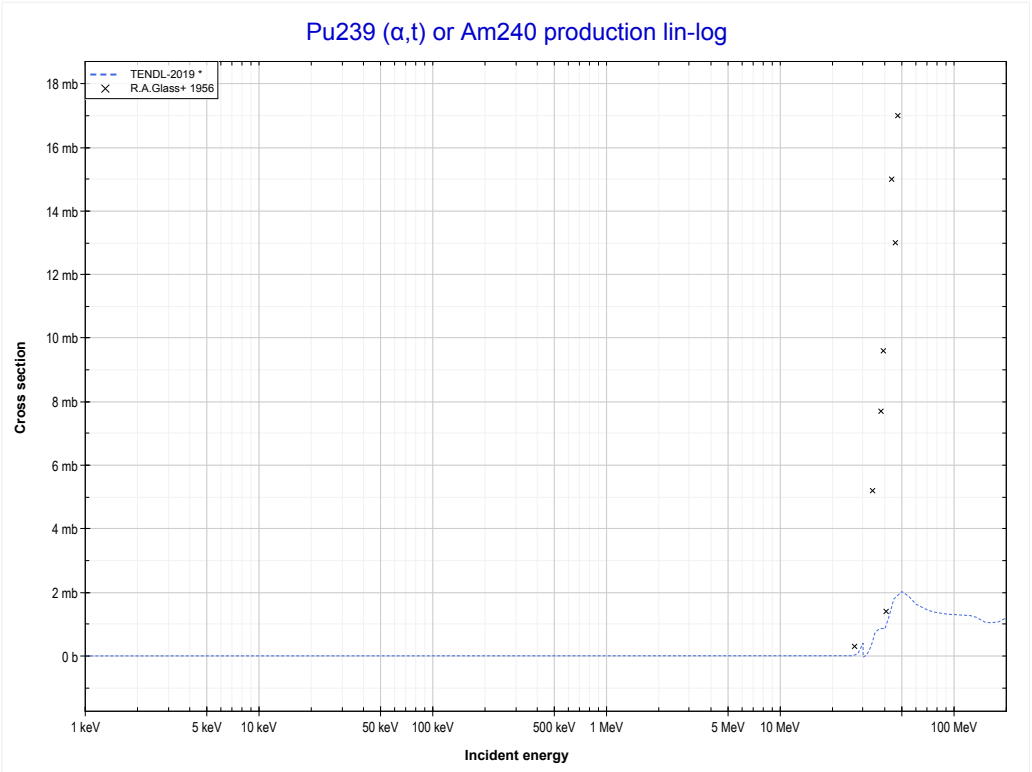
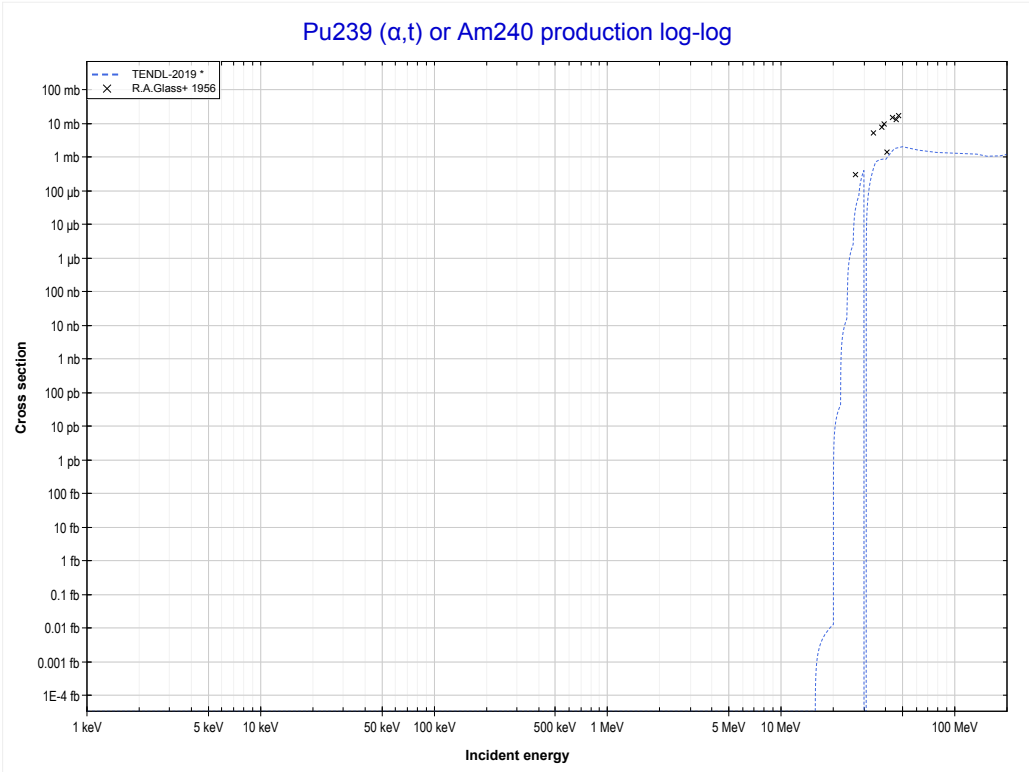
Reaction	Q-Value
Pu239($\alpha,n+t$)Am239	-21398.31 keV
Pu239($\alpha,2n+d$)Am239	-27655.54 keV
Pu239($\alpha,3n+p$)Am239	-29880.11 keV

<< 92-U-235	94-Pu-239	
<< MT42 ($\alpha,3n+p$)	MT103 (α,p) or MT5 (Am242 production)	MT105 (α,t) >>



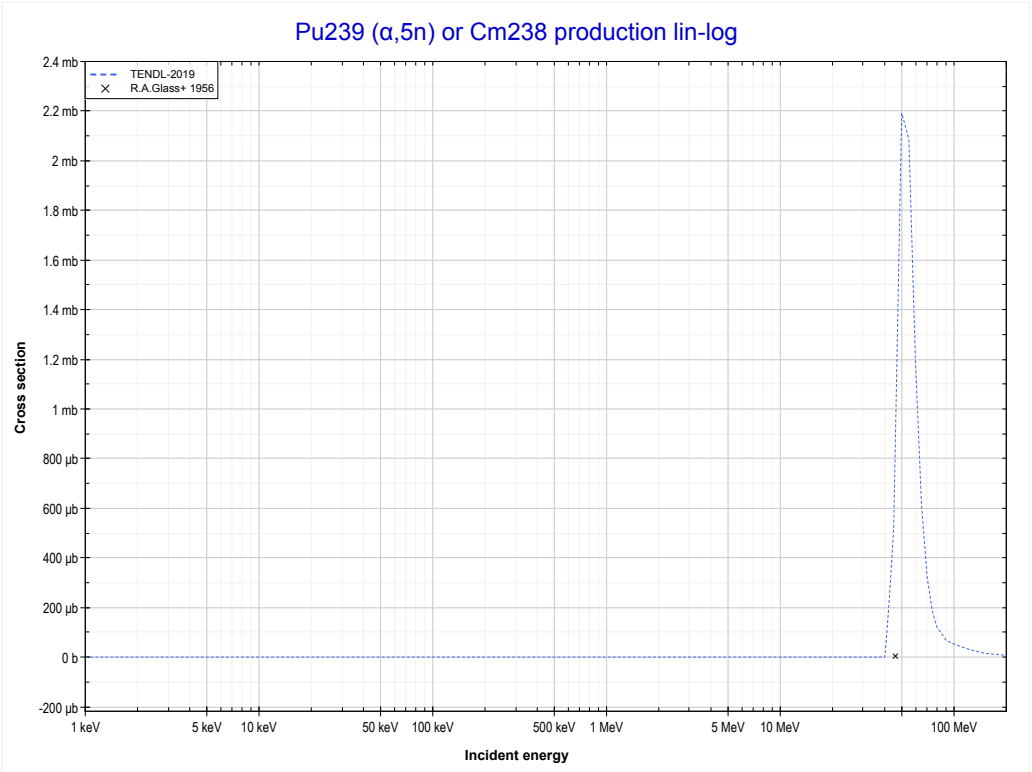
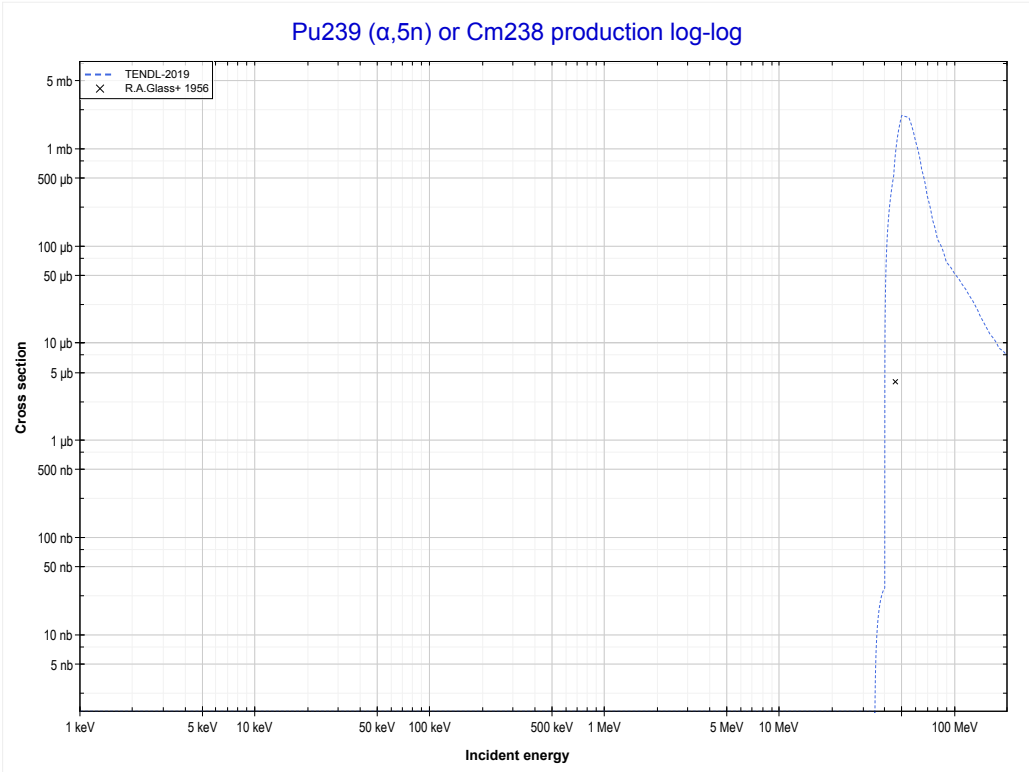
Reaction	Q-Value
Pu239(α,p)Am242	-11743.86 keV

<< 92-U-238	94-Pu-239	98-Cf-252 >>
<< MT103 (α,p)	MT105 (α,t) or MT5 (Am240 production)	MT152 (α,5n) >>



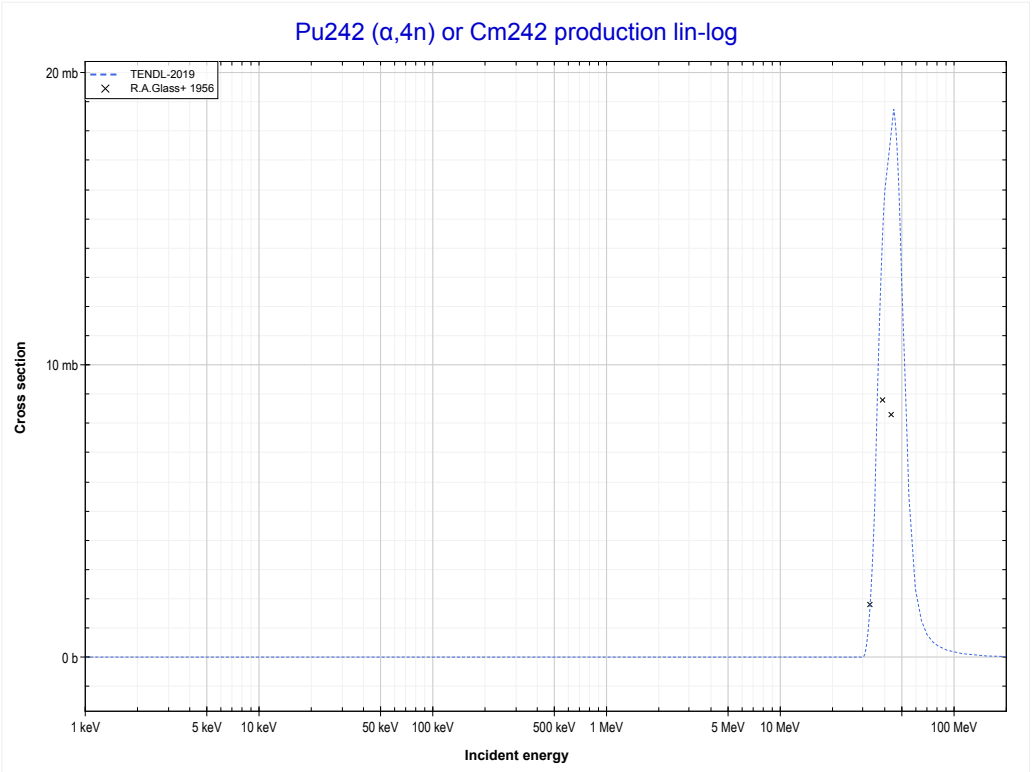
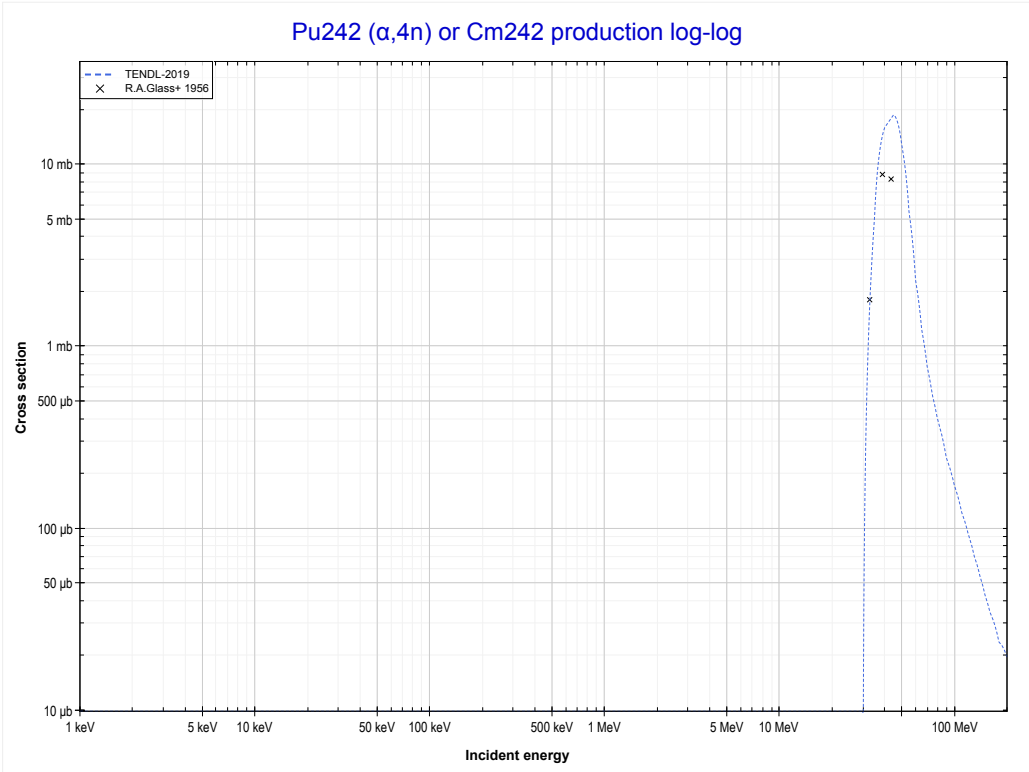
Reaction	Q-Value
Pu239(α,t)Am240	-15446.59 keV
Pu239(α,n+d)Am240	-21703.82 keV
Pu239(α,2n+p)Am240	-23928.39 keV

<< 90-Th-232	94-Pu-239	
<< MT105 (α,t)	MT152 ($\alpha,5n$) or MT5 (Cm238 production)	94-Pu-242 MT37 ($\alpha,4n$) >>



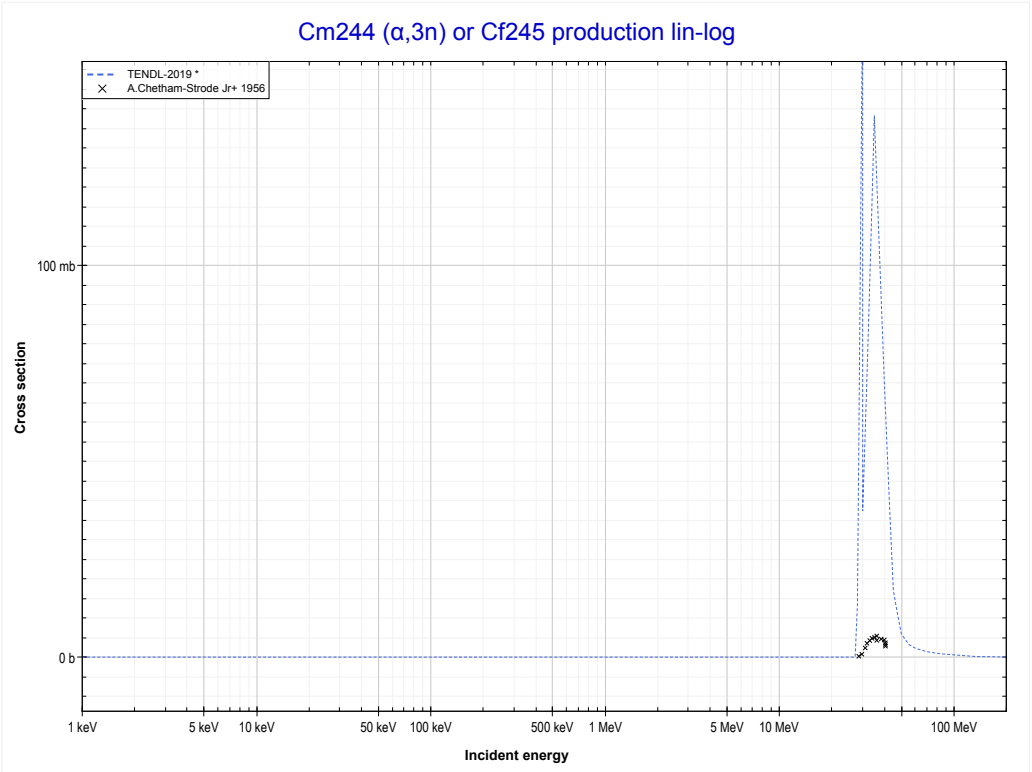
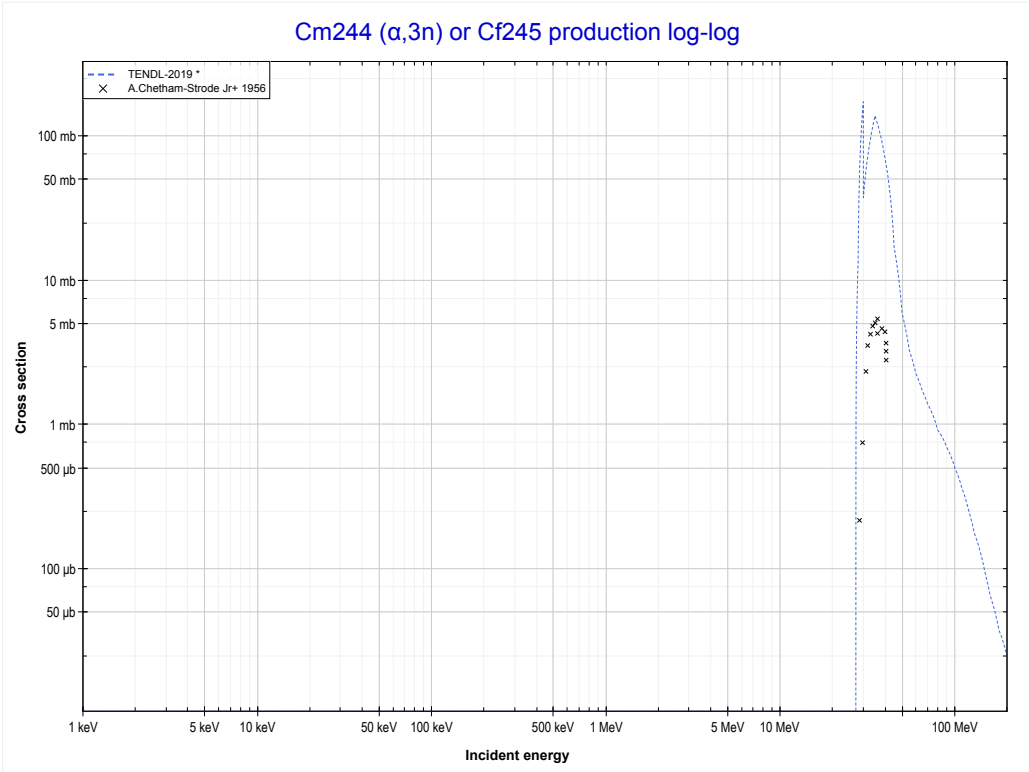
Reaction	Q-Value
Pu239($\alpha,5n$)Cm238	-38788.37 keV

<< 94-Pu-239	94-Pu-242	96-Cm-244 >>
<< 94-Pu-239 MT152 (α,5n)	MT37 (α,4n) or MT5 (Cm242 production)	96-Cm-244 MT17 (α,3n) >>



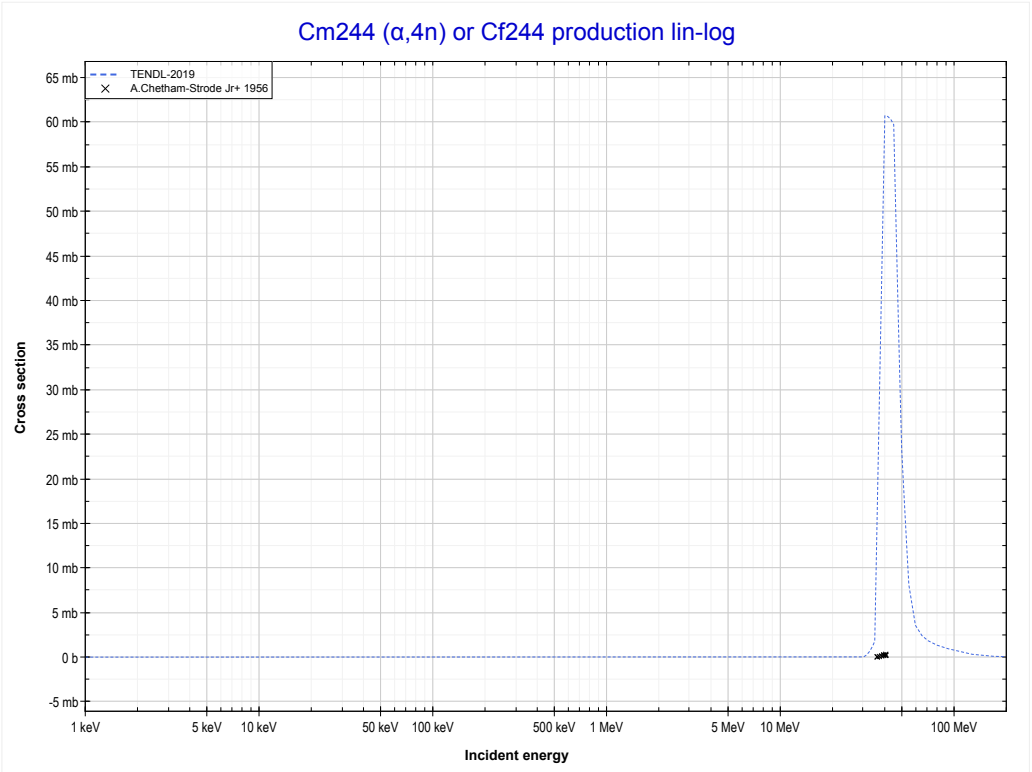
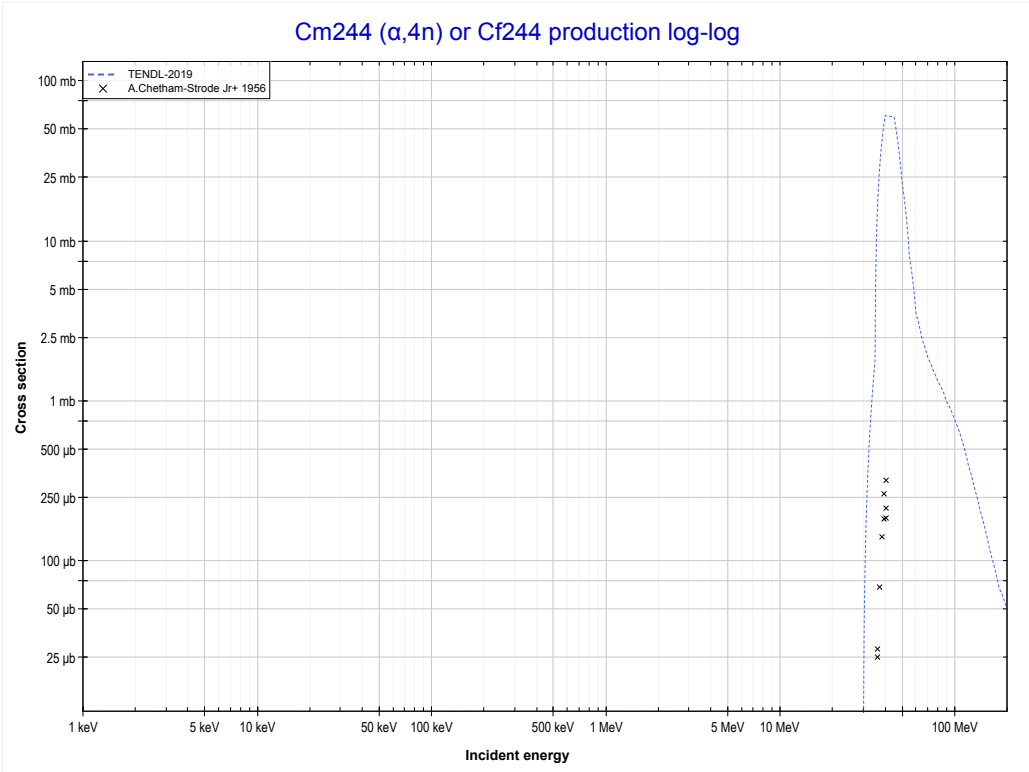
Reaction	Q-Value
Pu242(α,4n)Cm242	-29947.25 keV

<< 94-Pu-239	96-Cm-244	97-Bk-249 >>
<< 94-Pu-242 MT37 (α ,4n)	MT17 (α ,3n) or MT5 (Cf245 production)	MT37 (α ,4n) >>



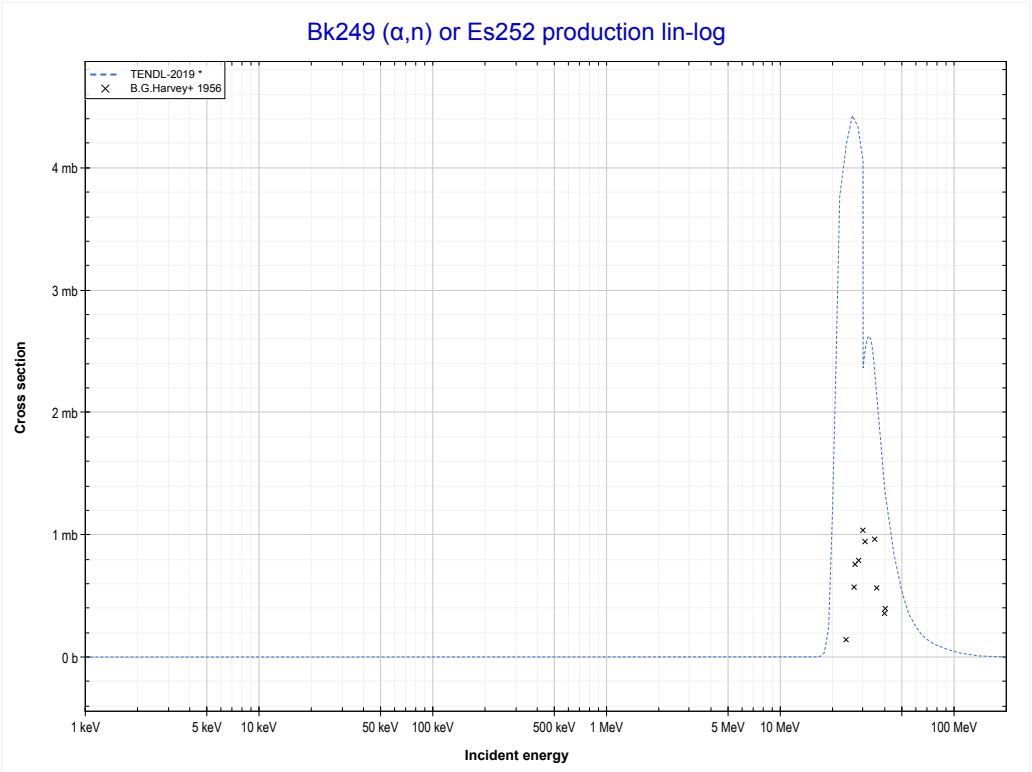
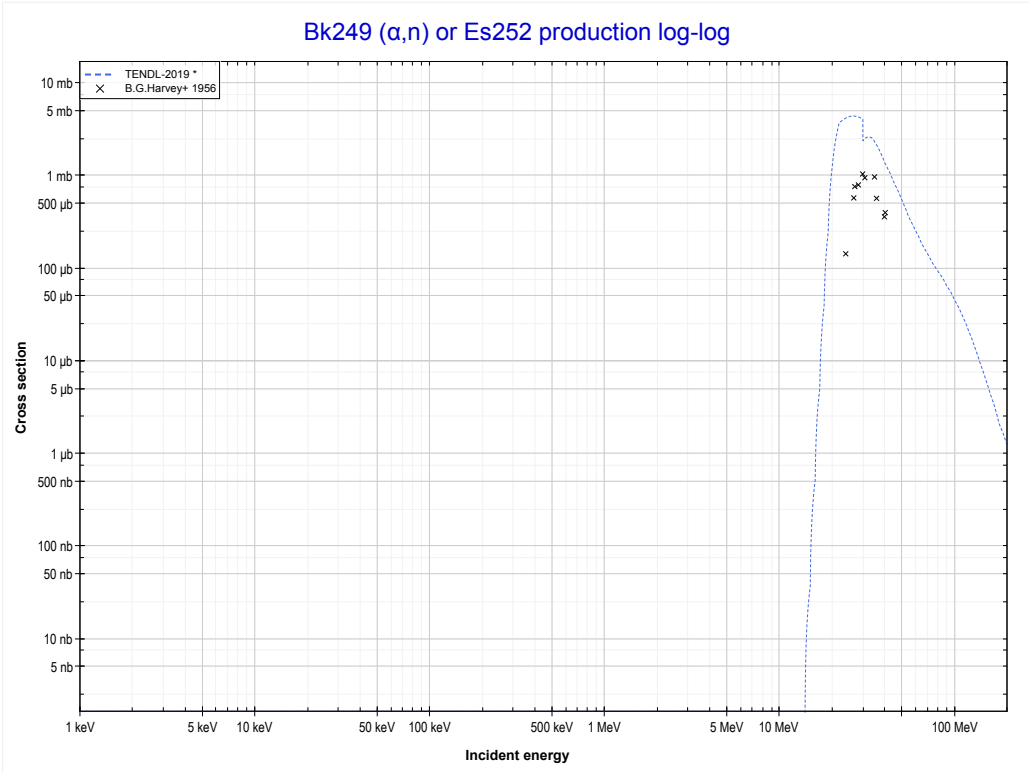
Reaction	Q-Value
Cm244(α ,3n)Cf245	-26722.34 keV

<< 94-Pu-242	96-Cm-244	97-Bk-249 >>
<< MT17 (α,3n)	MT37 (α,4n) or MT5 (Cf244 production)	97-Bk-249 MT4 (α,n) >>



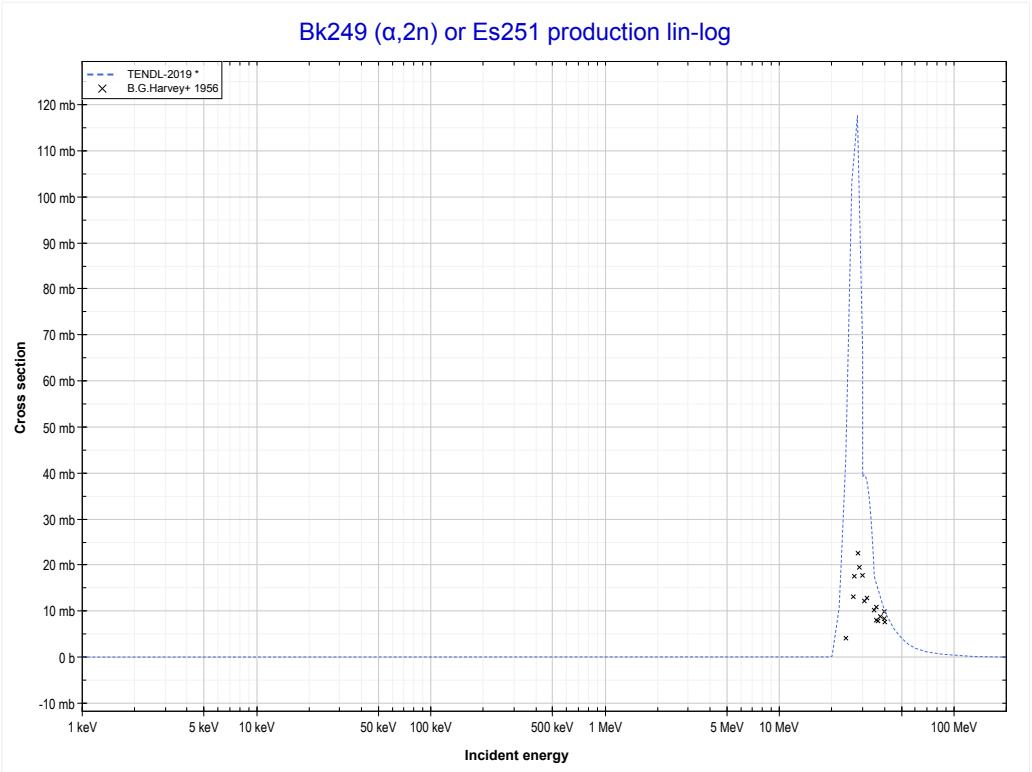
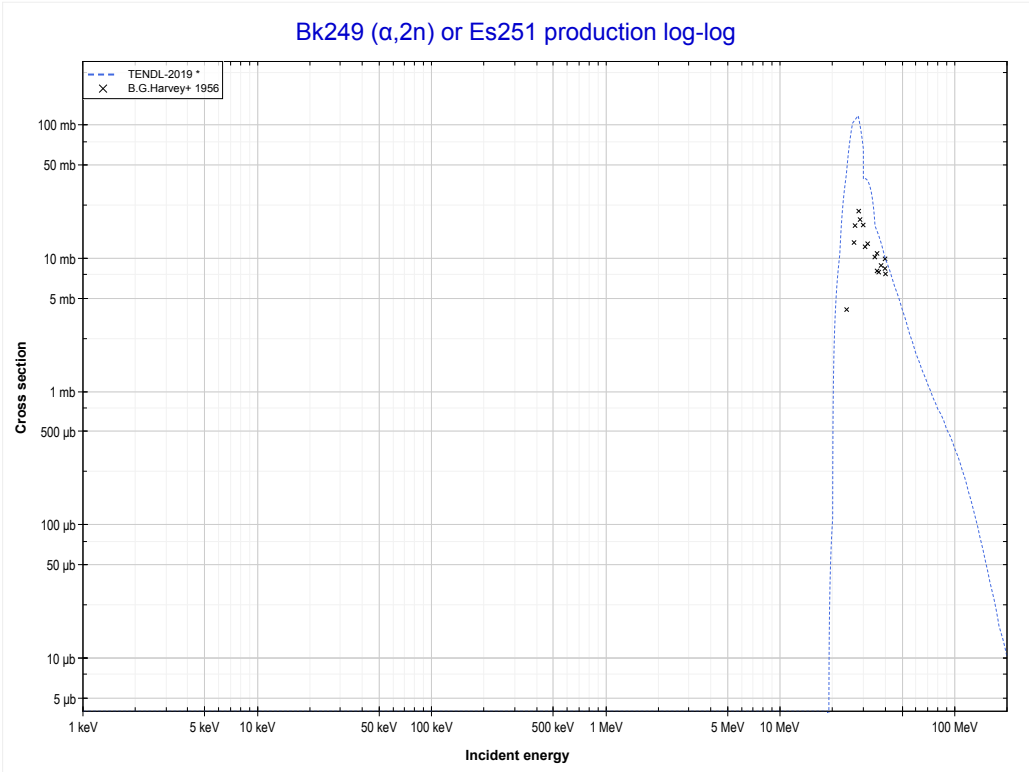
Reaction	Q-Value
Cm244(α,4n)Cf244	-32886.65 keV

<< 94-Pu-239	97-Bk-249	
<< 96-Cm-244 MT37 (α,4n)	MT4 (α,n) or MT5 (Es252 production)	MT16 (α,2n) >>



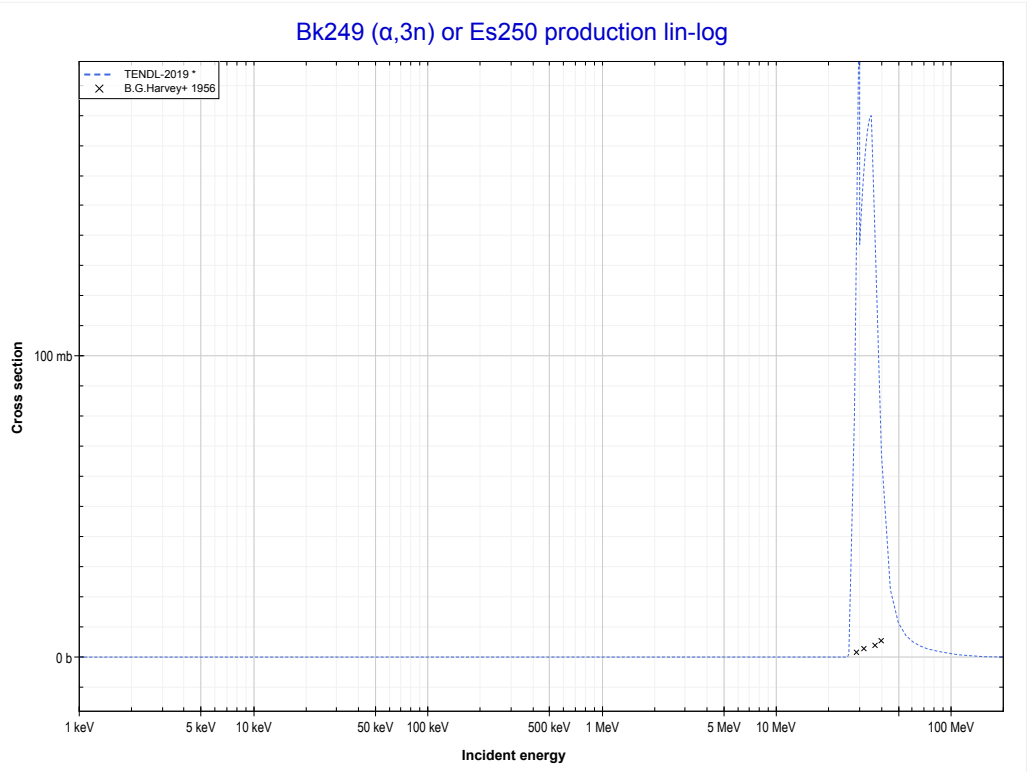
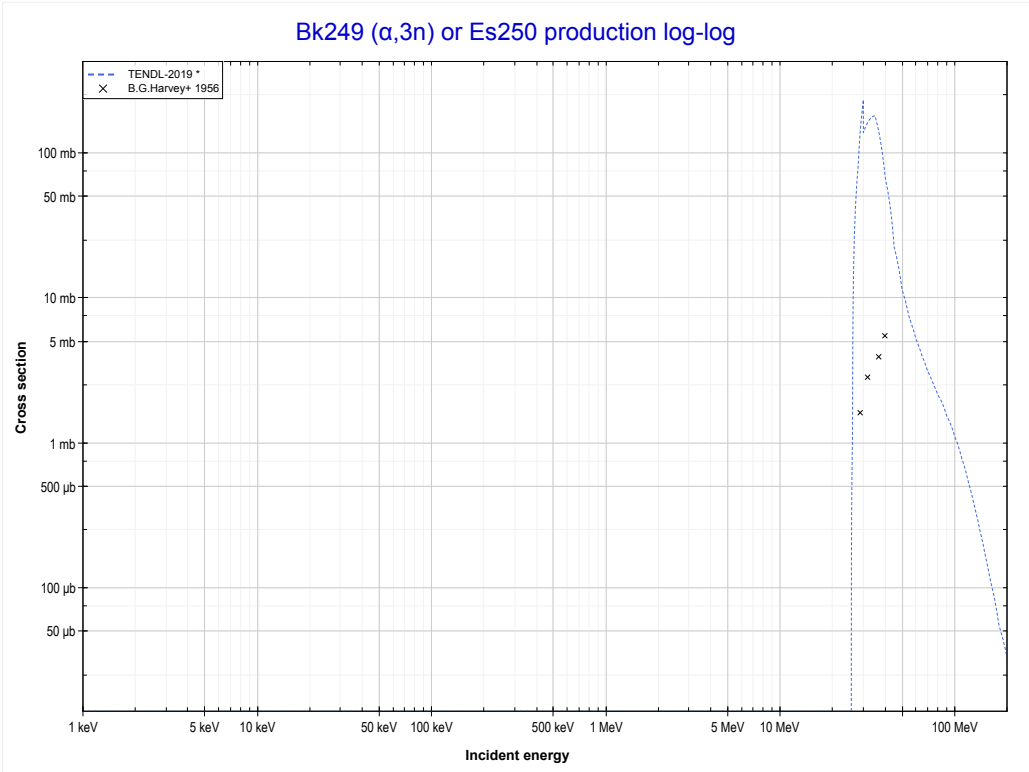
Reaction	Q-Value
Bk249(α,n)Es252	-13090.00 keV

<< 94-Pu-239	97-Bk-249	98-Cf-252 >>
<< MT4 (α,n)	MT16 (α,2n) or MT5 (Es251 production)	MT17 (α,3n) >>



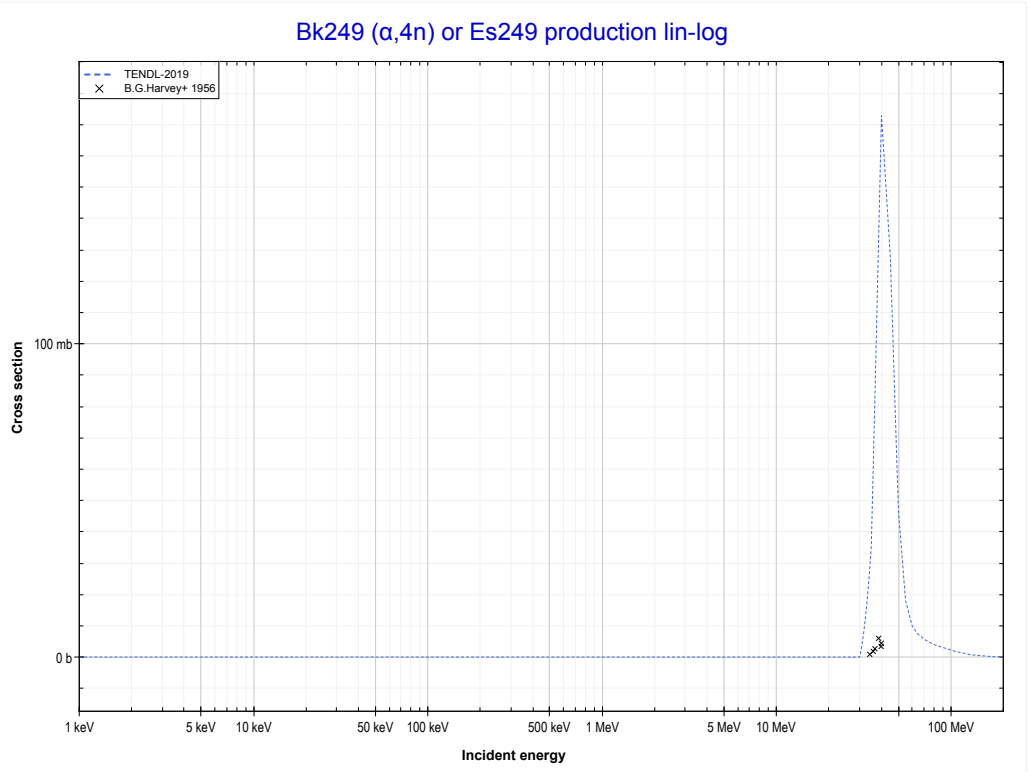
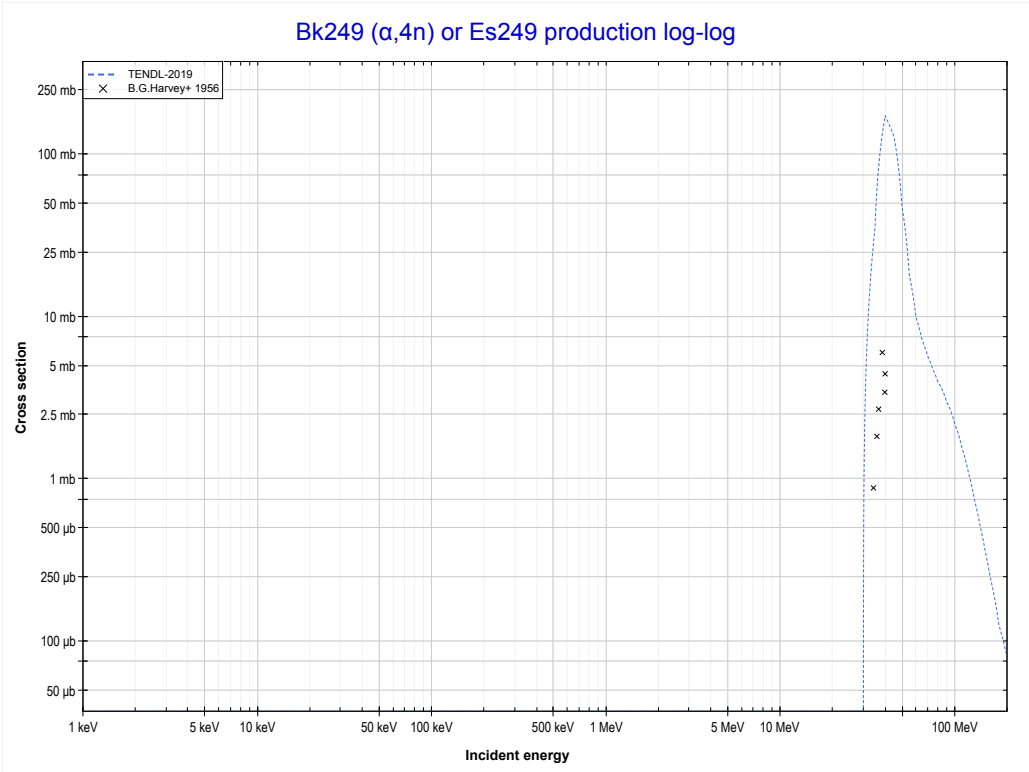
Reaction	Q-Value
Bk249(α,2n)Es251	-18383.32 keV

<< 96-Cm-244	97-Bk-249	98-Cf-252 >>
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Es250 production)	MT37 ($\alpha,4n$) >>



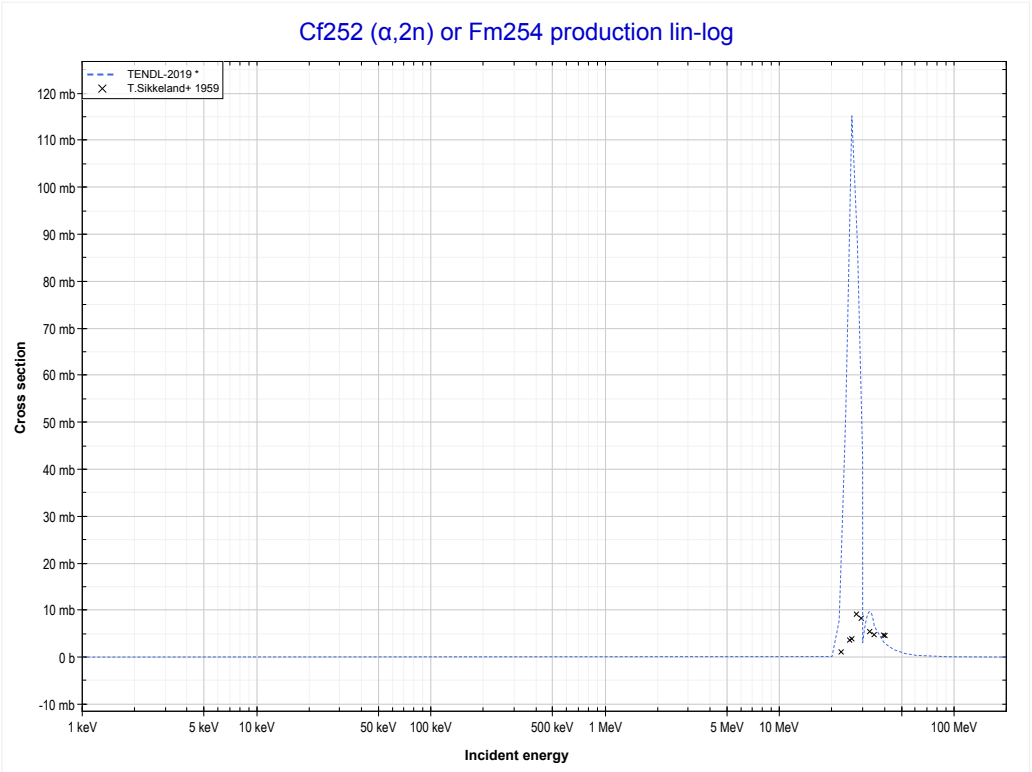
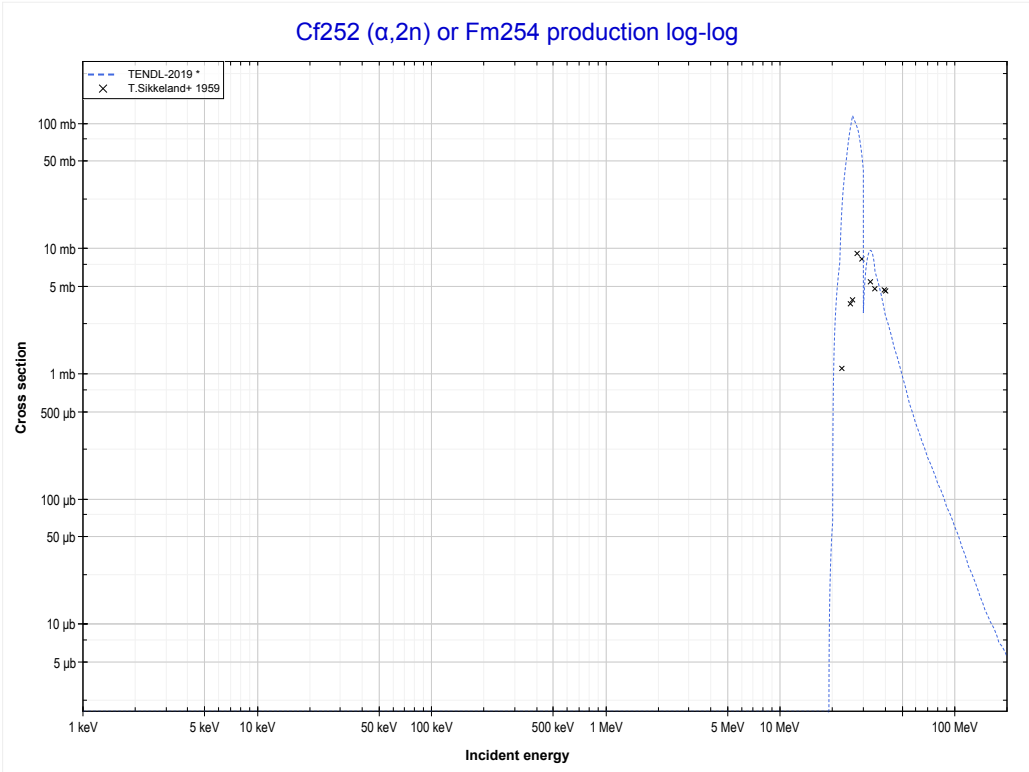
Reaction	Q-Value
Bk249($\alpha,3n$)Es250	-25172.64 keV

<< 96-Cm-244	97-Bk-249	
<< MT17 ($\alpha,3n$)	MT37 ($\alpha,4n$) or MT5 (Es249 production)	98-Cf-252 MT16 ($\alpha,2n$) >>



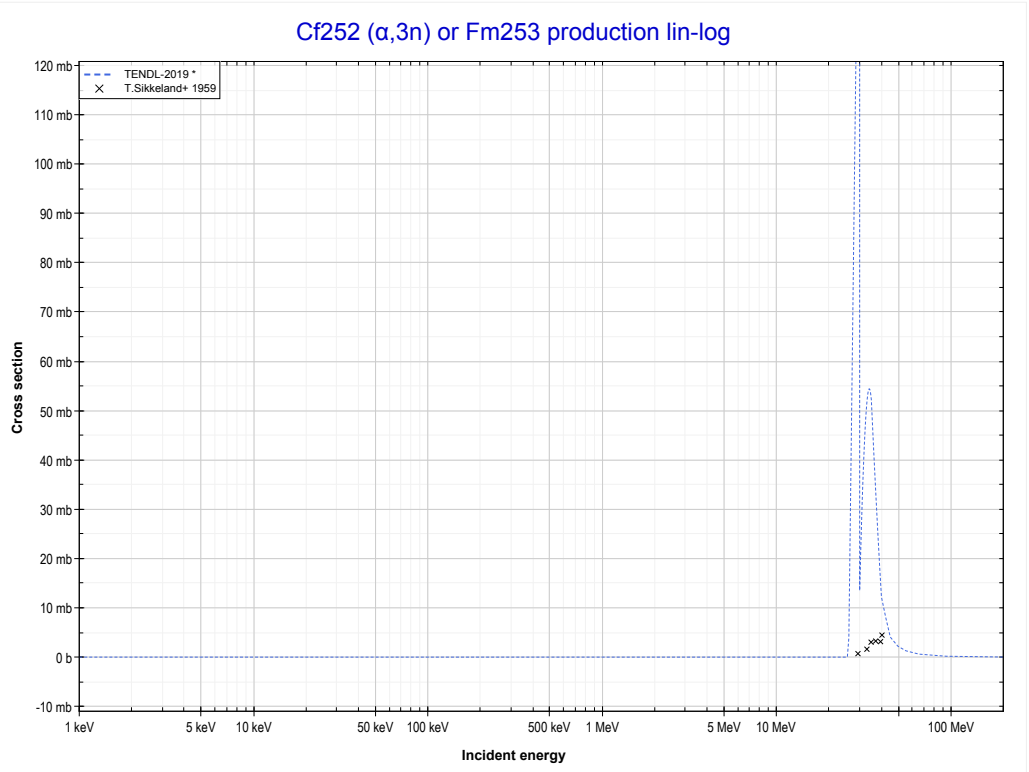
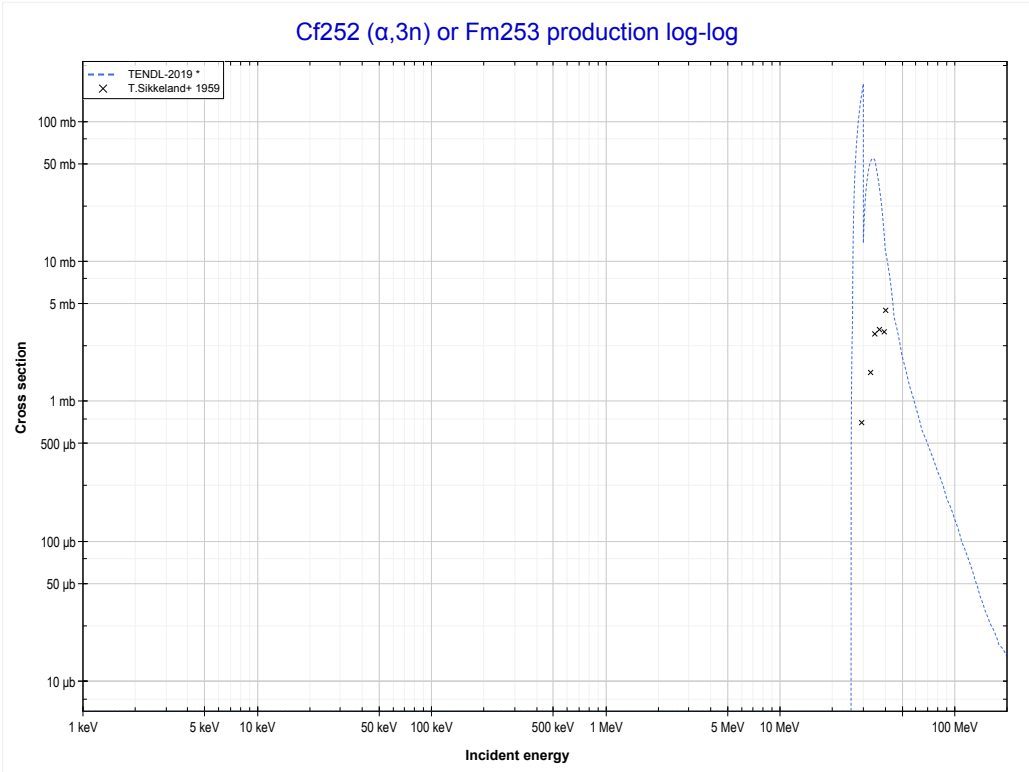
Reaction	Q-Value
Bk249($\alpha,4n$)Es249	-31193.95 keV

<< 97-Bk-249	98-Cf-252	
<< 97-Bk-249 MT37 ($\alpha,4n$)	MT16 ($\alpha,2n$) or MT5 (Fm254 production)	MT17 ($\alpha,3n$) >>



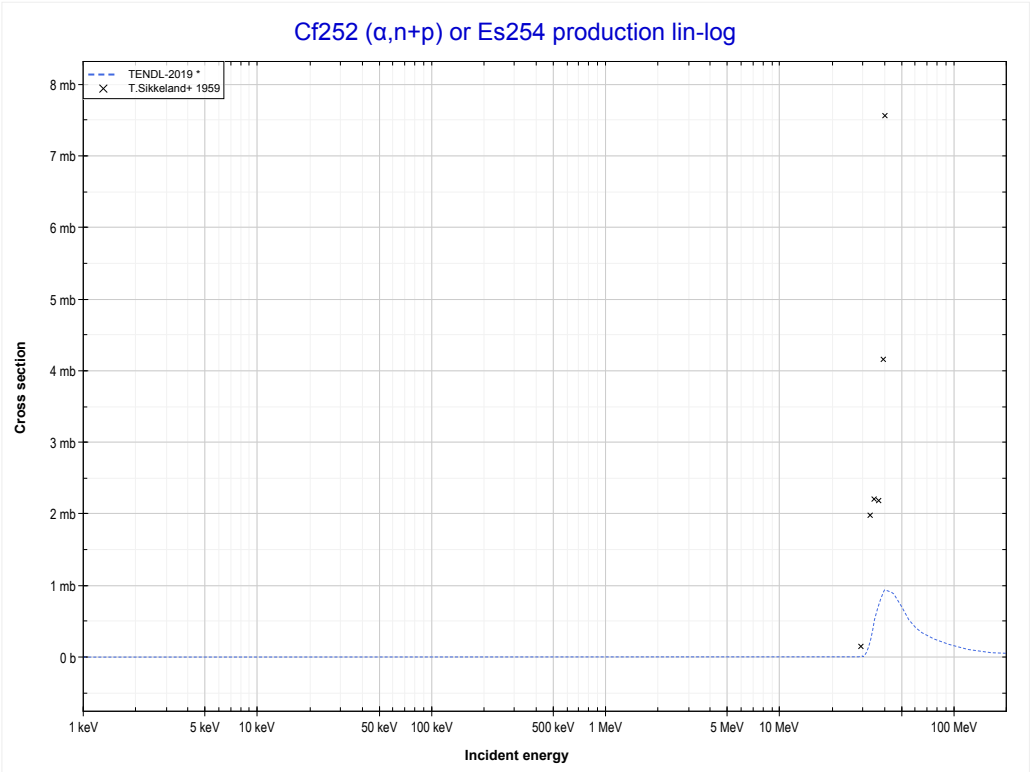
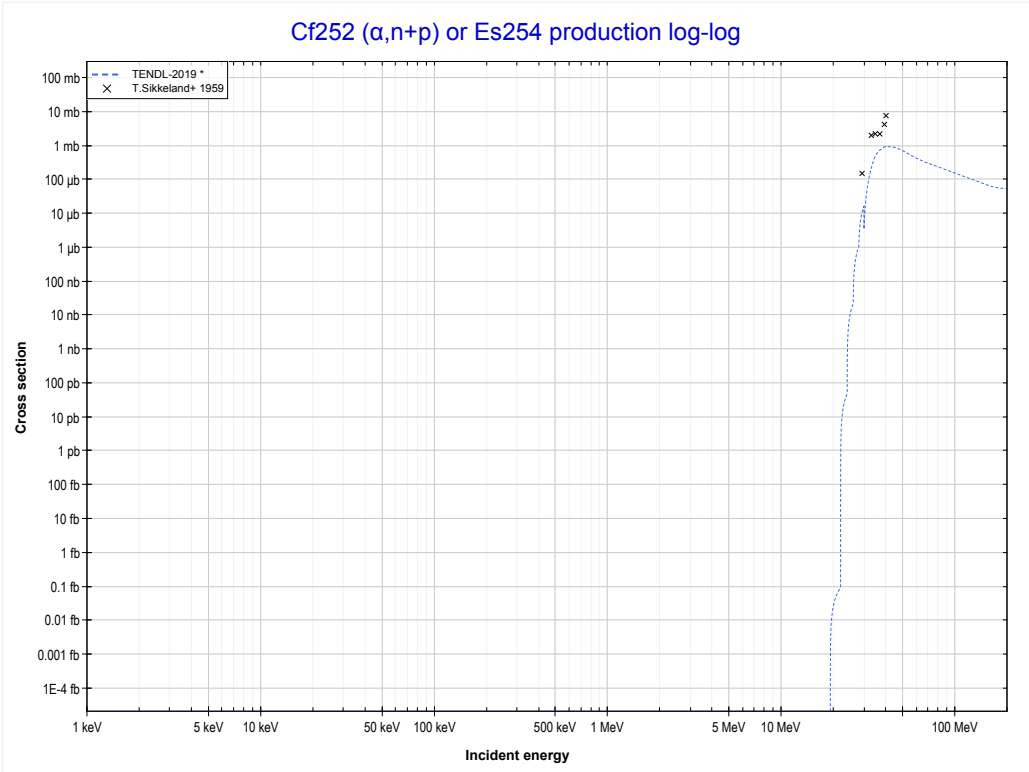
Reaction	Q-Value
Cf252($\alpha,2n$)Fm254	-18585.92 keV

<< 97-Bk-249	98-Cf-252	
<< MT16 ($\alpha,2n$)	MT17 ($\alpha,3n$) or MT5 (Fm253 production)	MT28 ($\alpha,n+p$) >>



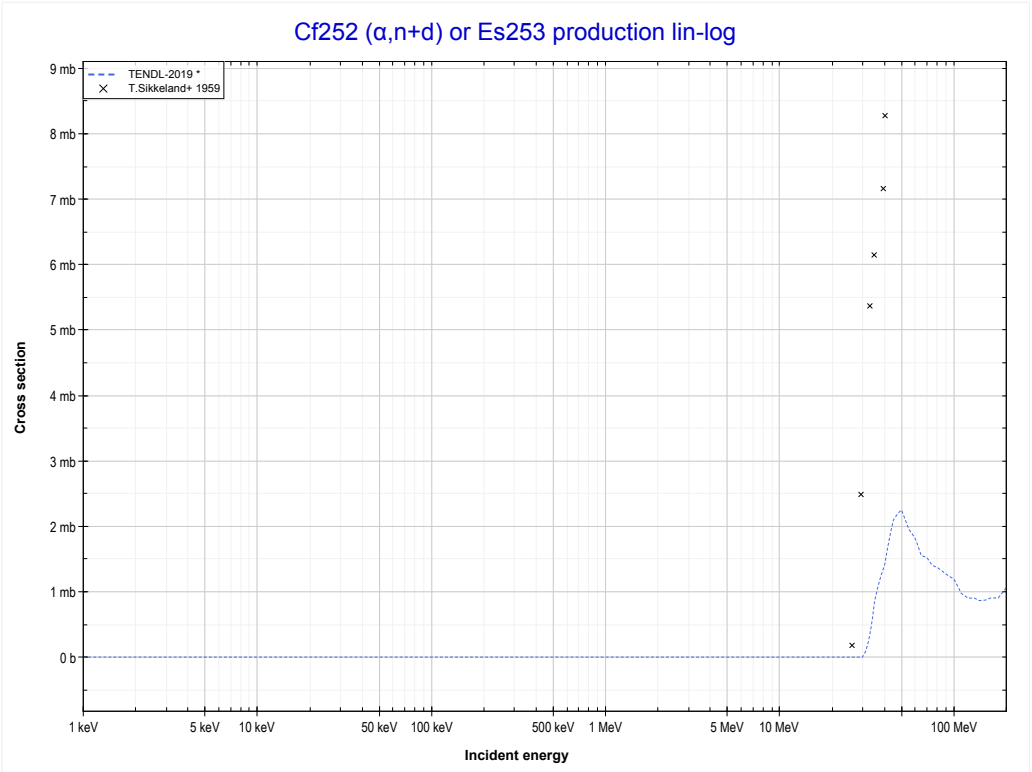
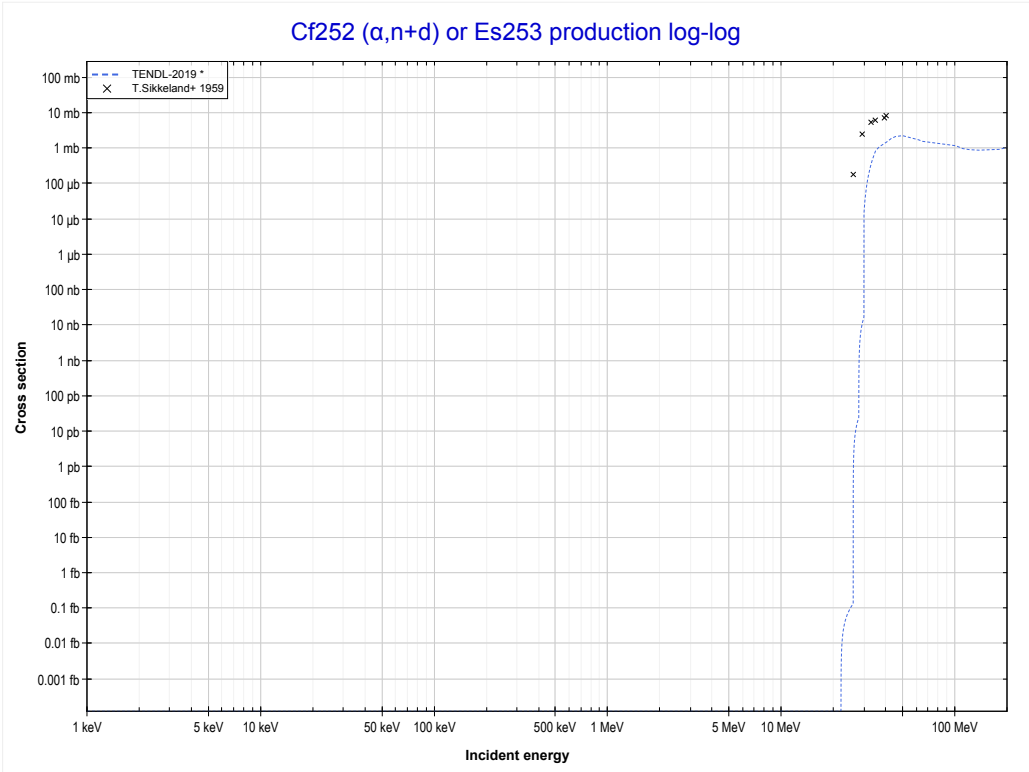
Reaction	Q-Value
Cf252($\alpha,3n$)Fm253	-25100.14 keV

<< 94-Pu-238	98-Cf-252	
<< MT17 (α,3n)	MT28 (α,n+p) or MT5 (Es254 production)	MT32 (α,n+d) >>



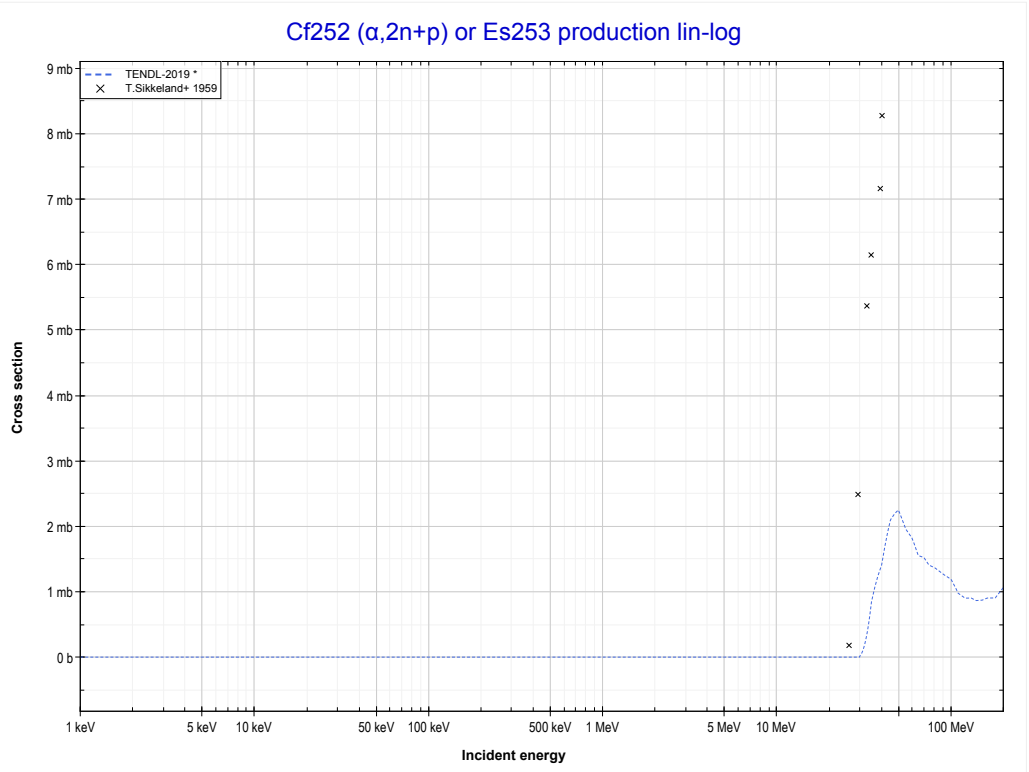
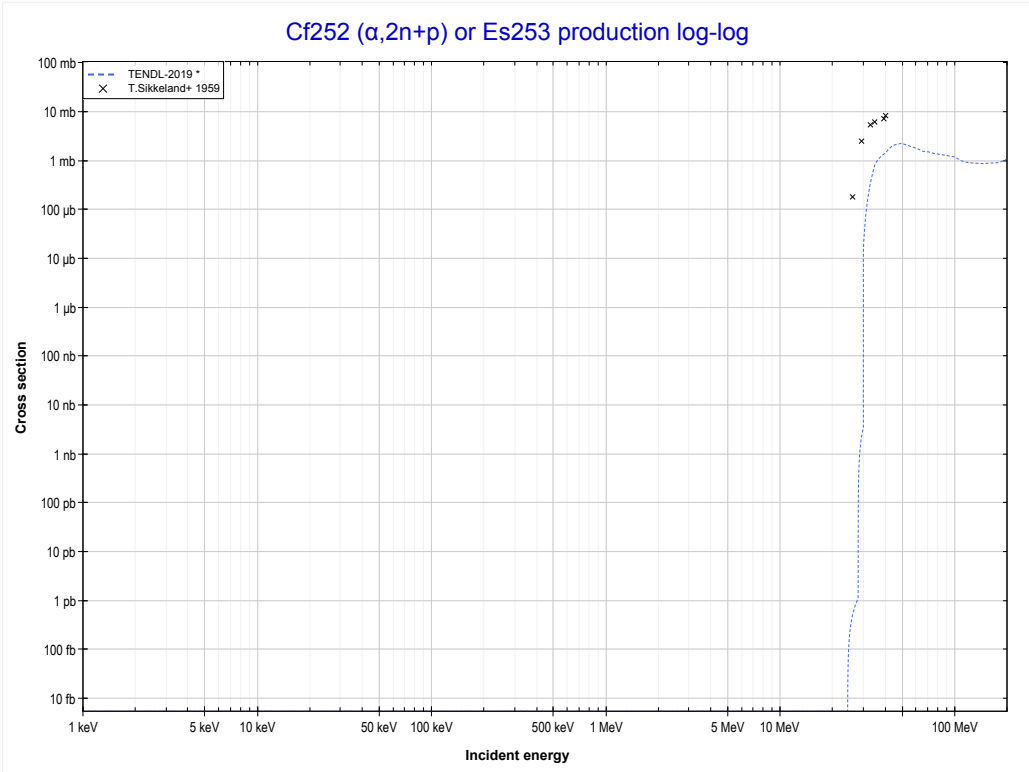
Reaction	Q-Value
Cf252(α,d)Es254	-16667.21 keV
Cf252(α,n+p)Es254	-18891.77 keV

<< 94-Pu-239	98-Cf-252	
<< MT28 ($\alpha,n+p$)	MT32 ($\alpha,n+d$) or MT5 (Es253 production)	MT41 ($\alpha,2n+p$) >>



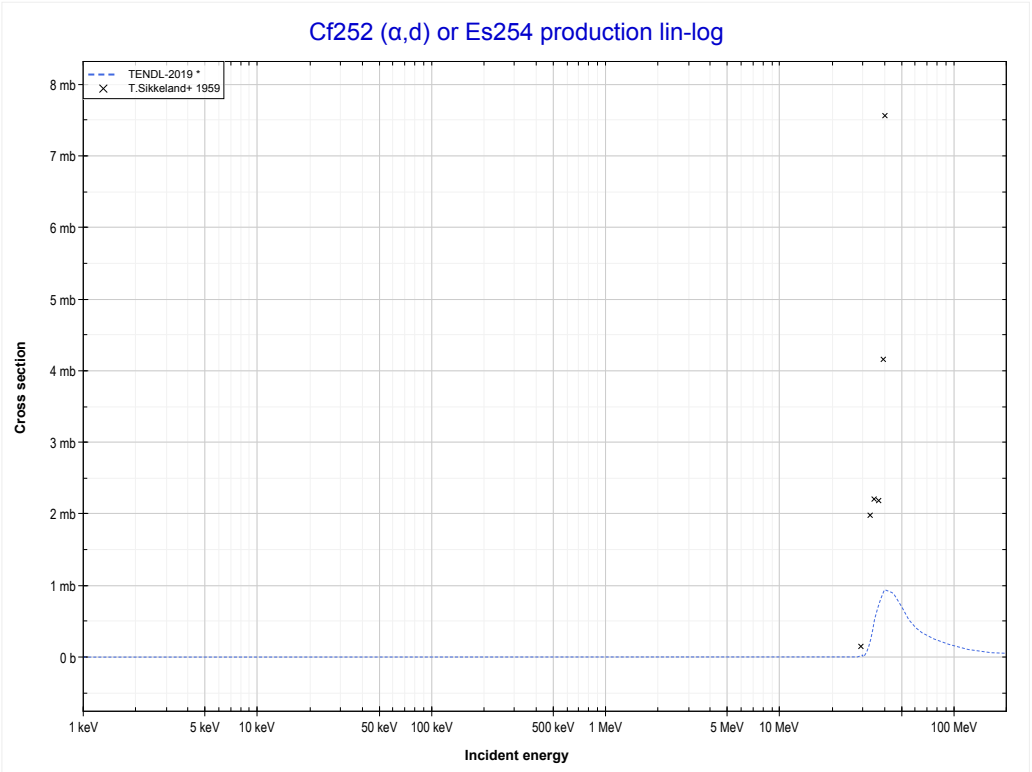
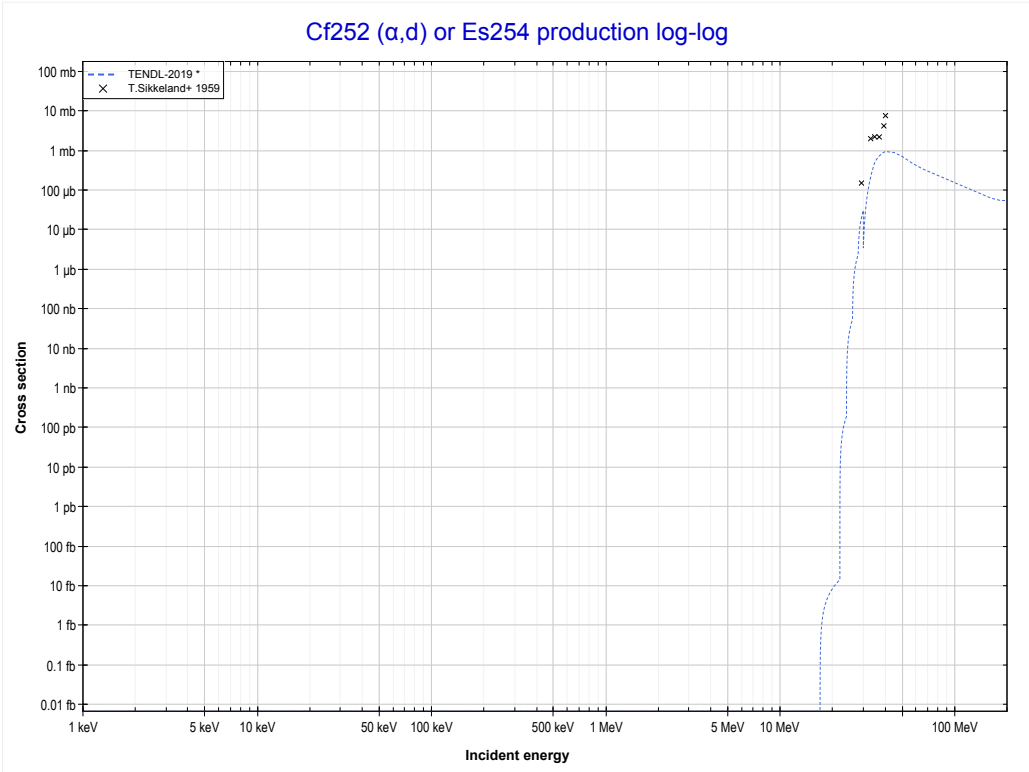
Reaction	Q-Value
Cf252(α,t)Es253	-15500.79 keV
Cf252($\alpha,n+d$)Es253	-21758.02 keV
Cf252($\alpha,2n+p$)Es253	-23982.59 keV

<< 94-Pu-239	98-Cf-252	
<< MT32 (α,n+d)	MT41 (α,2n+p) or MT5 (Es253 production)	MT104 (α,d) >>



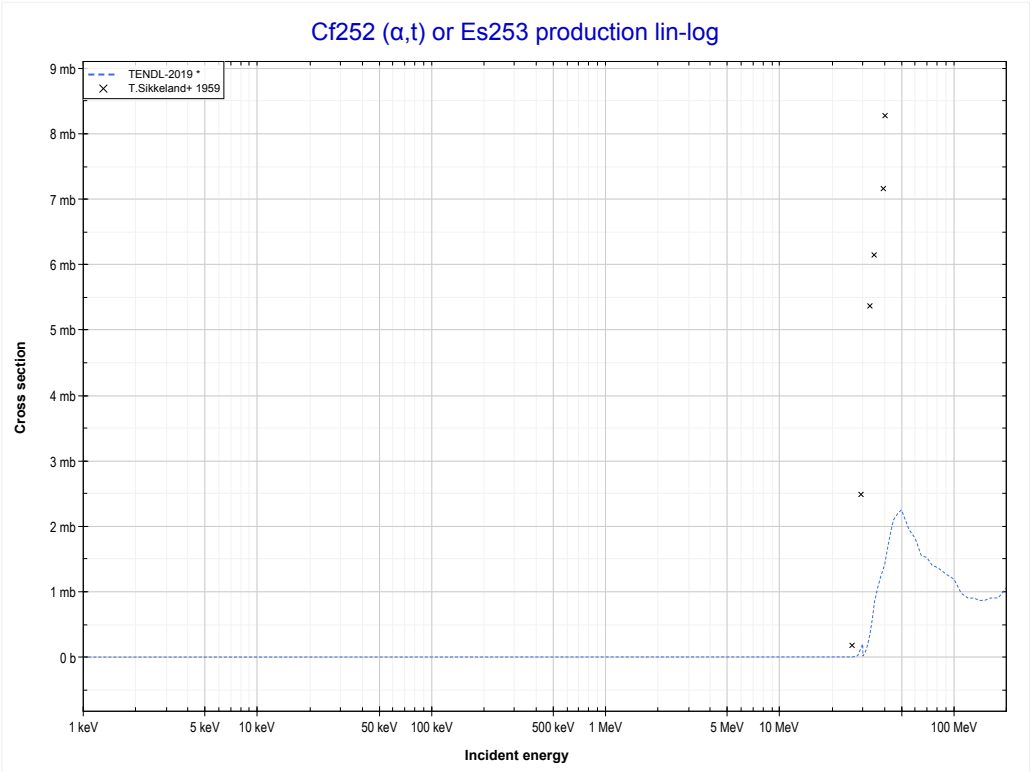
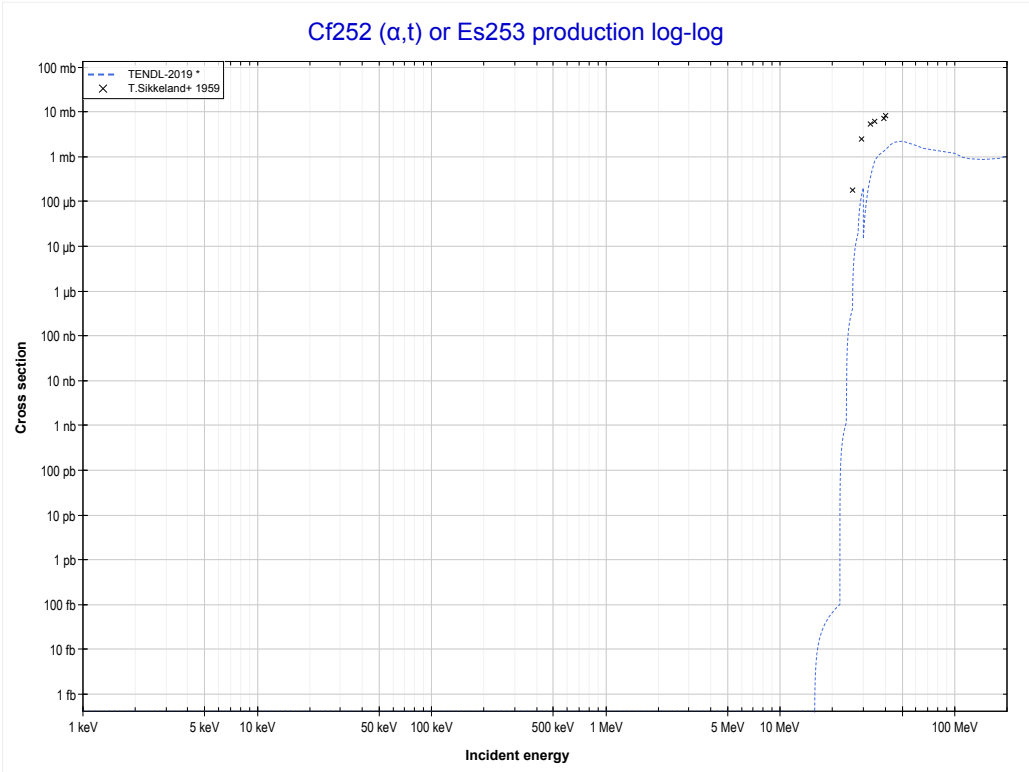
Reaction	Q-Value
Cf252(α,t)Es253	-15500.79 keV
Cf252(α,n+d)Es253	-21758.02 keV
Cf252(α,2n+p)Es253	-23982.59 keV

<< 94-Pu-238	98-Cf-252	
<< MT41 (α,2n+p)	MT104 (α,d) or MT5 (Es254 production)	MT105 (α,t) >>



Reaction	Q-Value
Cf252(α,d)Es254	-16667.21 keV
Cf252(α,n+p)Es254	-18891.77 keV

<< 94-Pu-239	98-Cf-252	
<< MT104 (α,d)	MT105 (α,t) or MT5 (Es253 production)	



Reaction	Q-Value
Cf252(α,t)Es253	-15500.79 keV
Cf252(α,n+d)Es253	-21758.02 keV
Cf252(α,2n+p)Es253	-23982.59 keV