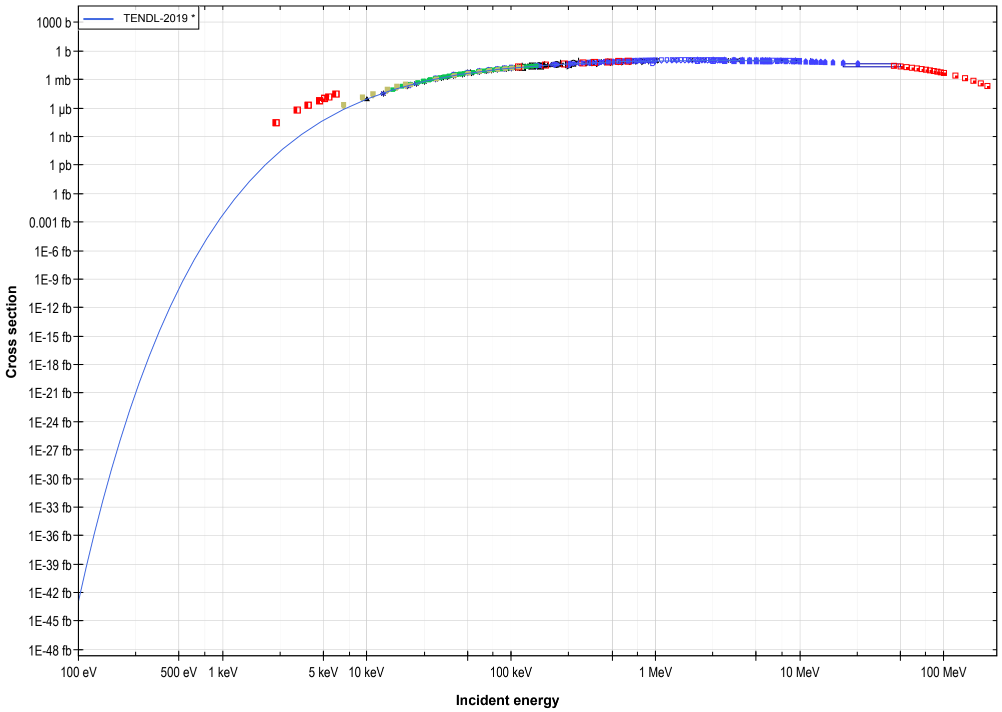
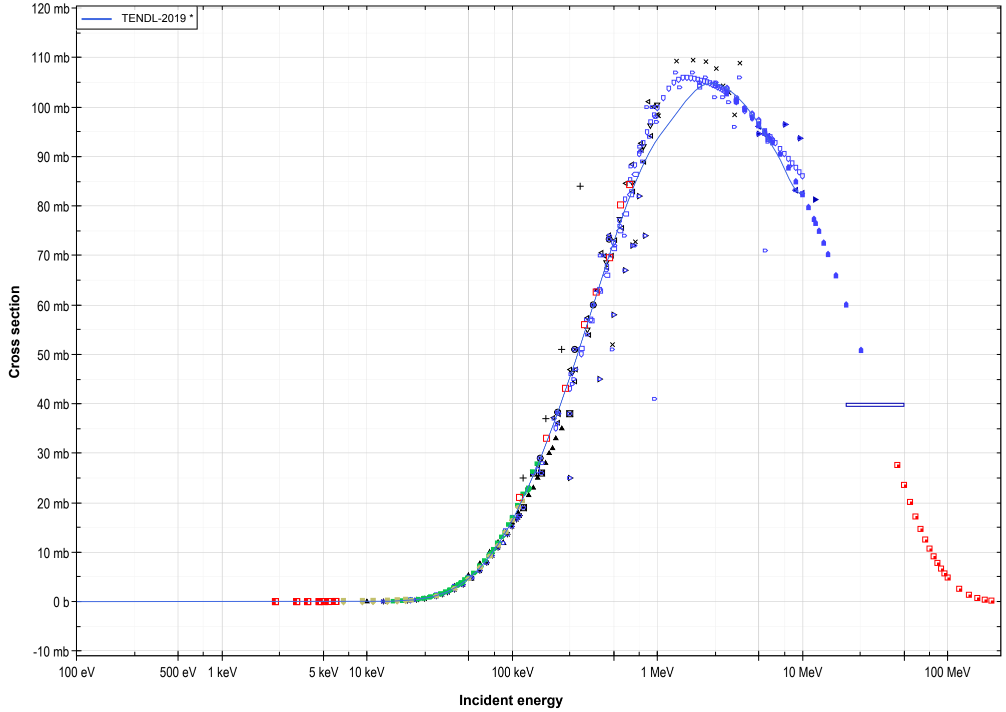
	1-H-2	1-H-3 >>
	MT4 (d,n) or MT5 (He3 production)	1-H-3 MT4 (d,n) >>

H2 (d,n) or He3 production log-log



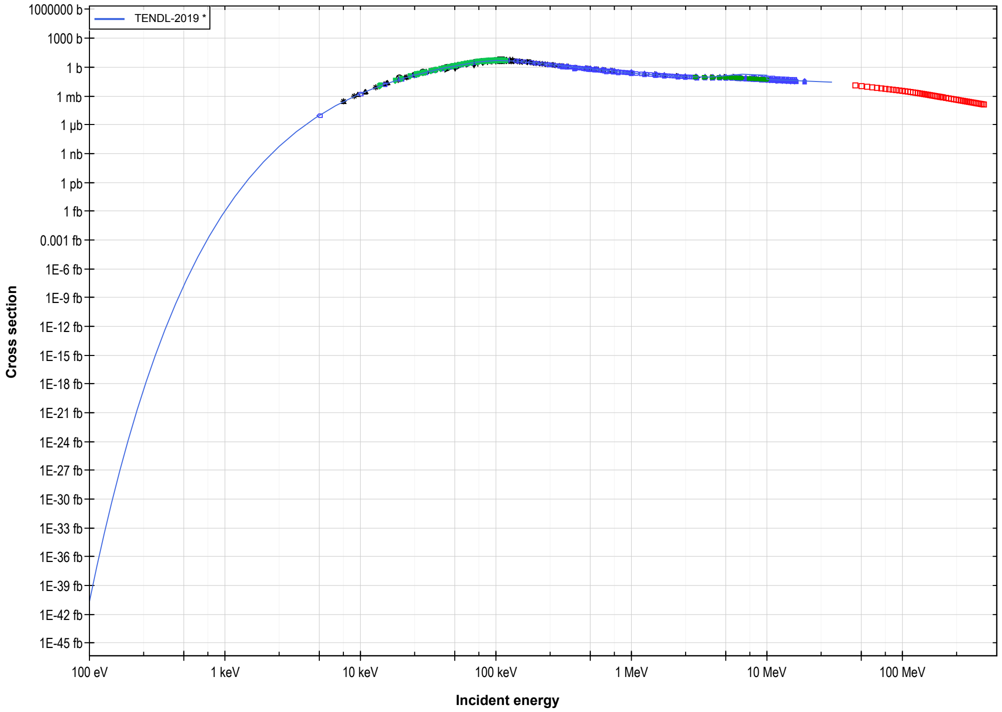
H2 (d,n) or He3 production lin-log



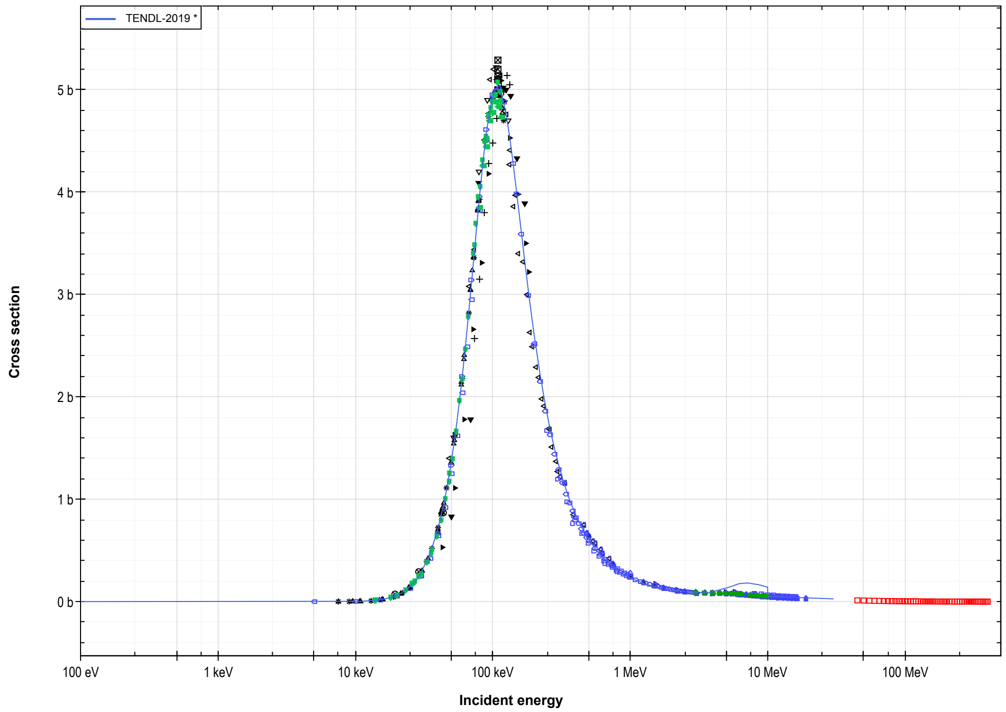
Reaction	Q-Value
H2(d,n)He3	3268.91 keV

<< 1-H-2	1-H-3	3-Li-6 >>
<< 1-H-2 MT4 (d,n)	MT4 (d,n) or MT5 (He4 production)	3-Li-6 MT4 (d,n) >>

H3 (d,n) or He4 production log-log

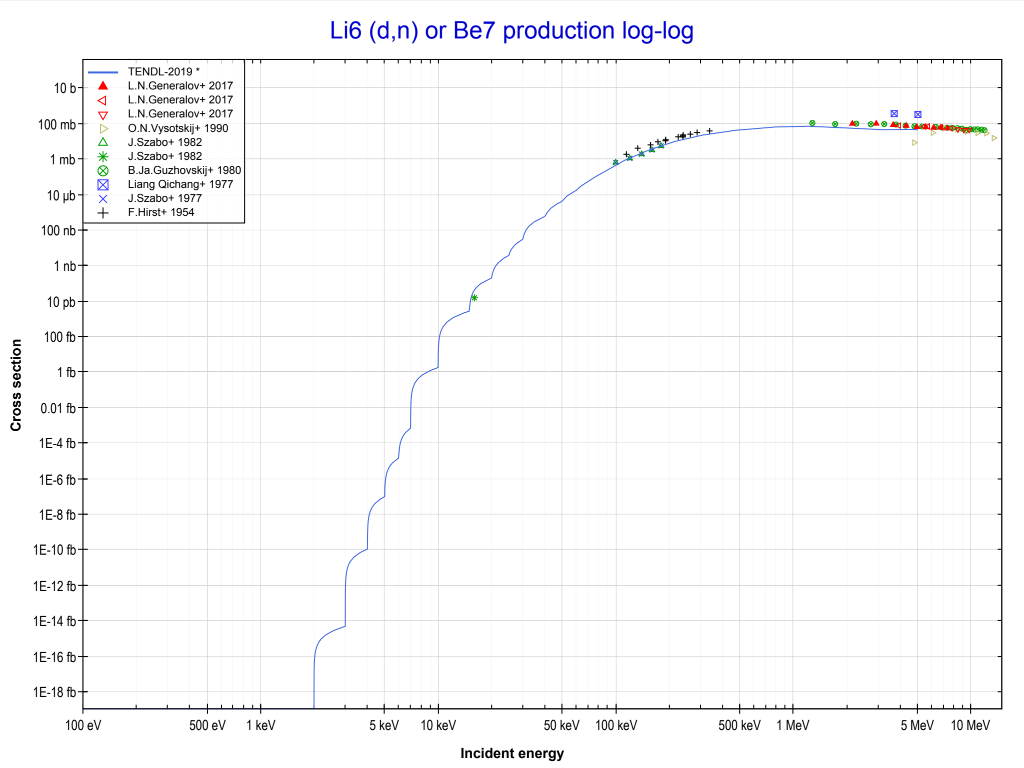


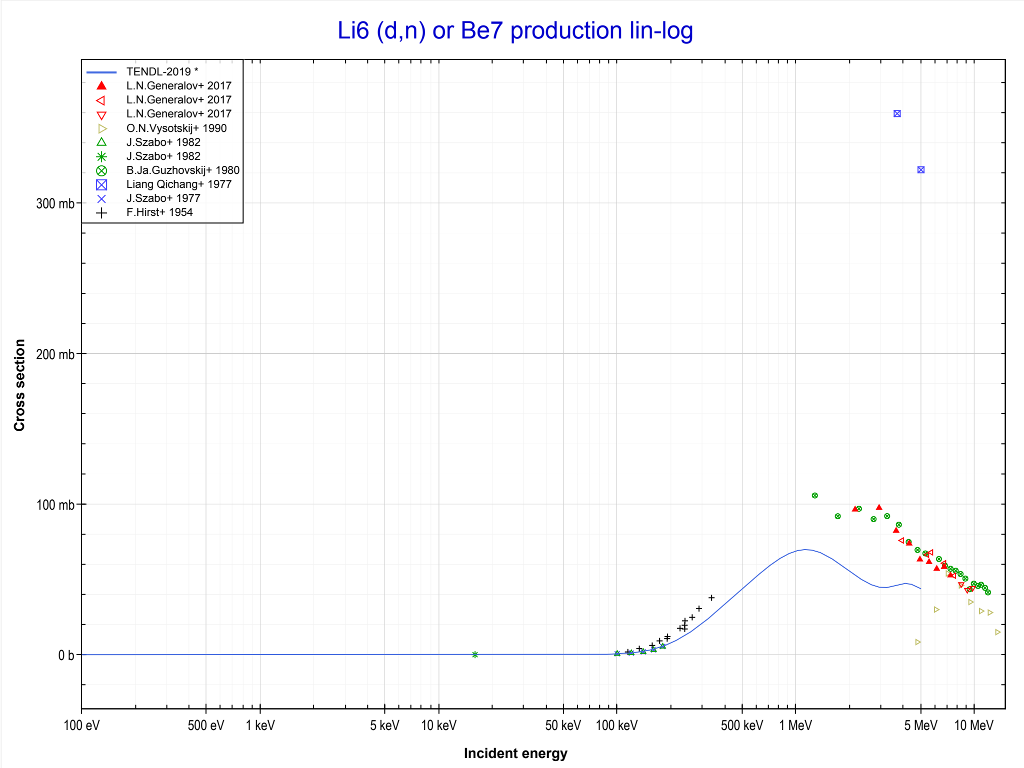
H3 (d,n) or He4 production lin-log



Reaction	Q-Value
H3(d,n)He4	17589.30 keV

<< 1-H-3	**3-Li-6**	5-B-10 >>
<< 1-H-3 MT4 (d,n)	**MT4 (d,n) or MT5 (Be7 production)**	3-Li-7 MT22 (d,n+α) >>

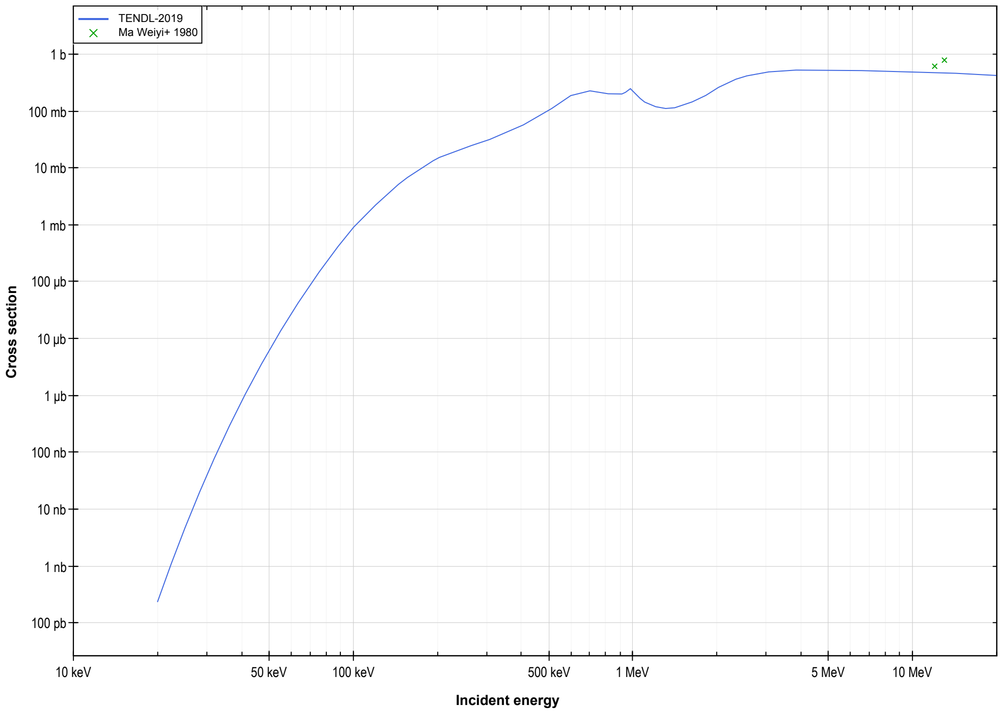




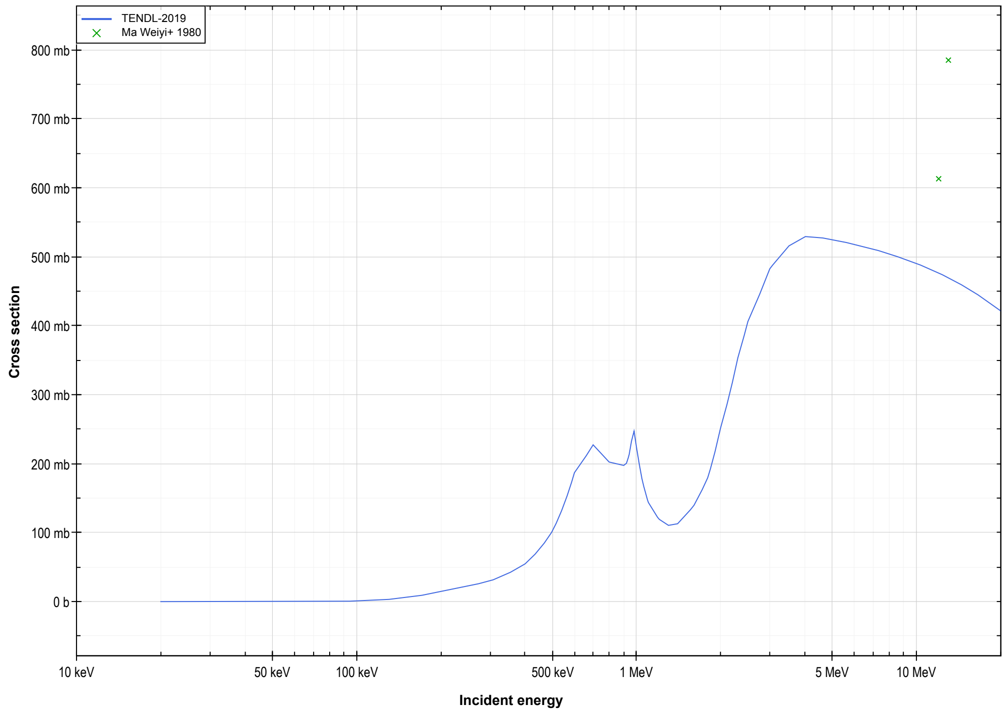
Reaction	Q-Value
Li6(d,n)Be7	3382.28 keV

	3-Li-7	7-N-14 >>
<< 3-Li-6 MT4 (d,n)	**MT22 (d,n+α) or MT5 (He4 production)**	4-Be-9 MT11 (d,2n+d) >>

Li7 (d,n+α) or He4 production log-log



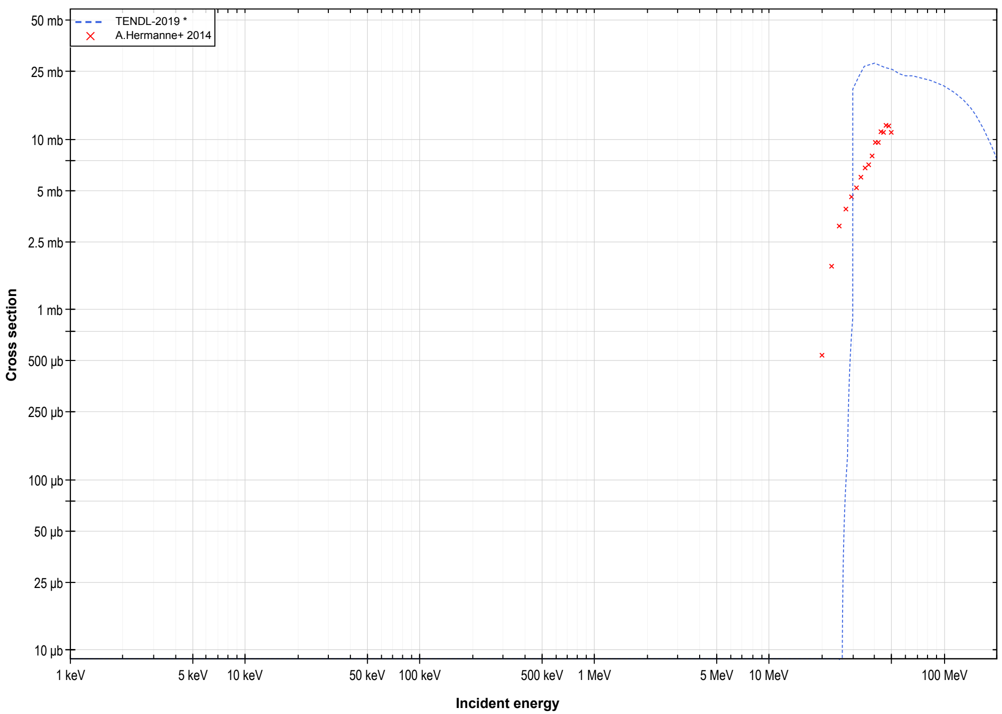
Li7 (d,n+α) or He4 production lin-log



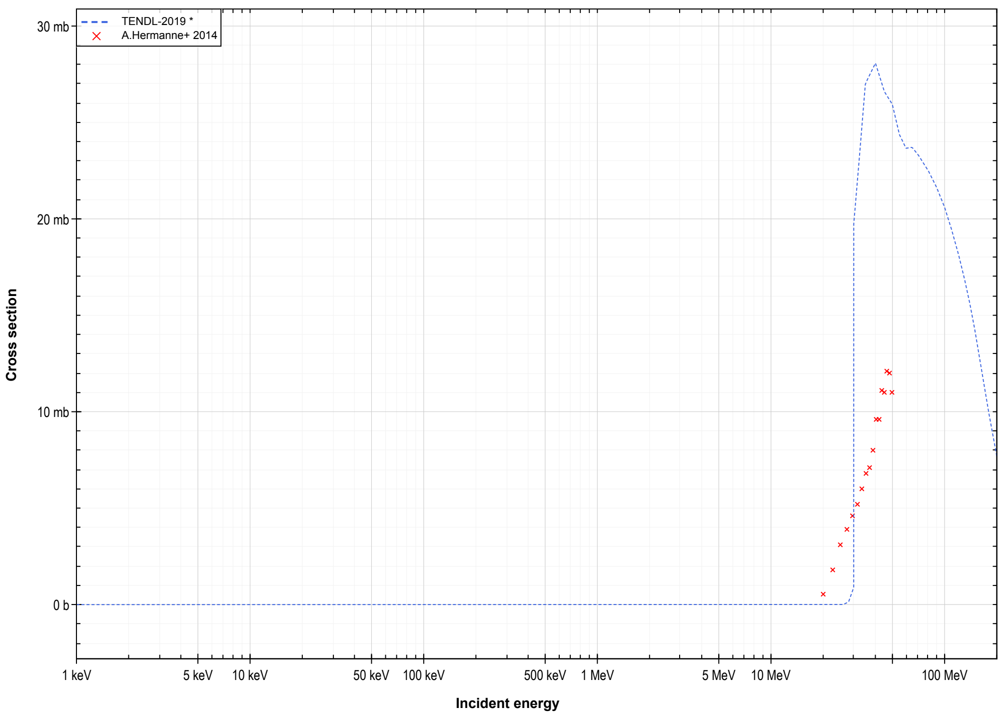
Reaction	Q-Value
Li7(d,n+α)He4	15121.68 keV
Li7(d,d+t)He4	-2467.62 keV
Li7(d,n+p+t)He4	-4692.19 keV
Li7(d,2n+He3)He4	-5455.94 keV
Li7(d,n+2d)He4	-8724.85 keV
Li7(d,2n+p+d)He4	-10949.42 keV
Li7(d,3n+2p)He4	-13173.98 keV

	4-Be-9	21-Sc-45 >>
<< 3-Li-7 MT22 (d,n+α)	**MT11 (d,2n+d) or MT5 (Be7 production)**	MT33 (d,n+t) >>

Be9 (d,2n+d) or Be7 production log-log



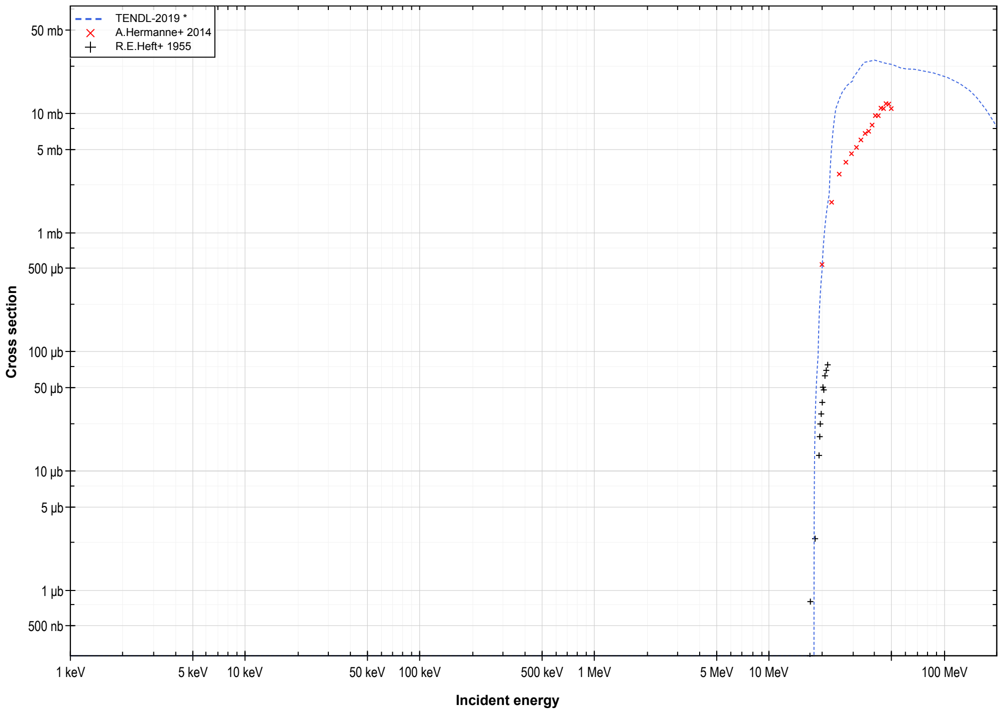
Be9 (d,2n+d) or Be7 production lin-log



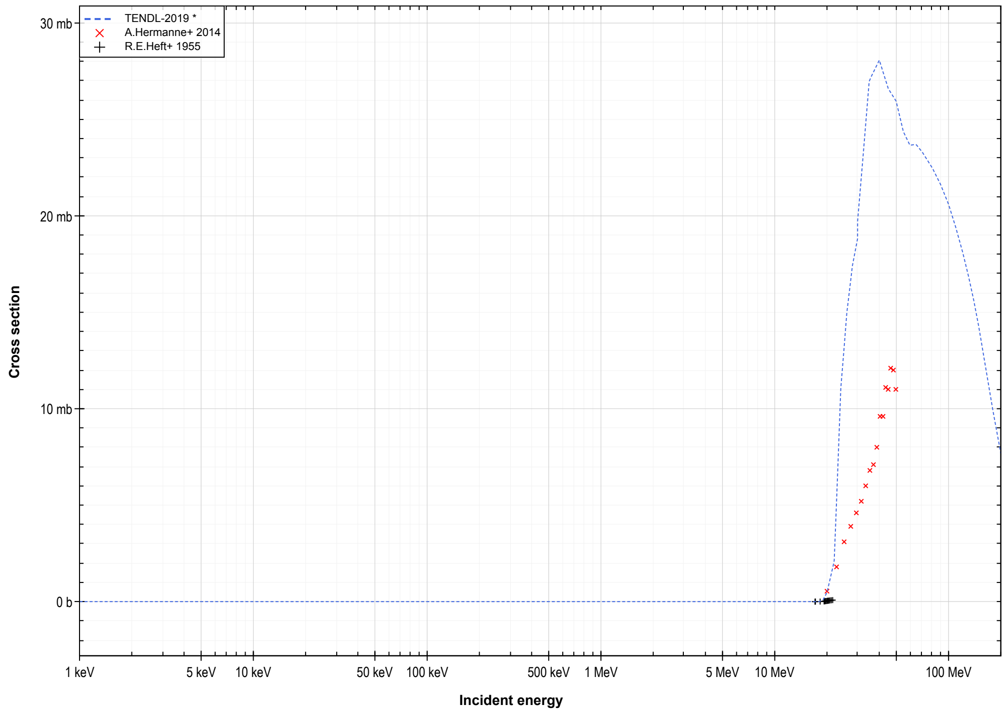
Reaction	Q-Value
Be9(d,n+t)Be7	-14305.96 keV
Be9(d,2n+d)Be7	-20563.18 keV
Be9(d,3n+p)Be7	-22787.75 keV

	4-Be-9	21-Sc-45 >>
<< MT11 (d,2n+d)	**MT33 (d,n+t) or MT5 (Be7 production)**	MT42 (d,3n+p) >>

Be9 (d,n+t) or Be7 production log-log

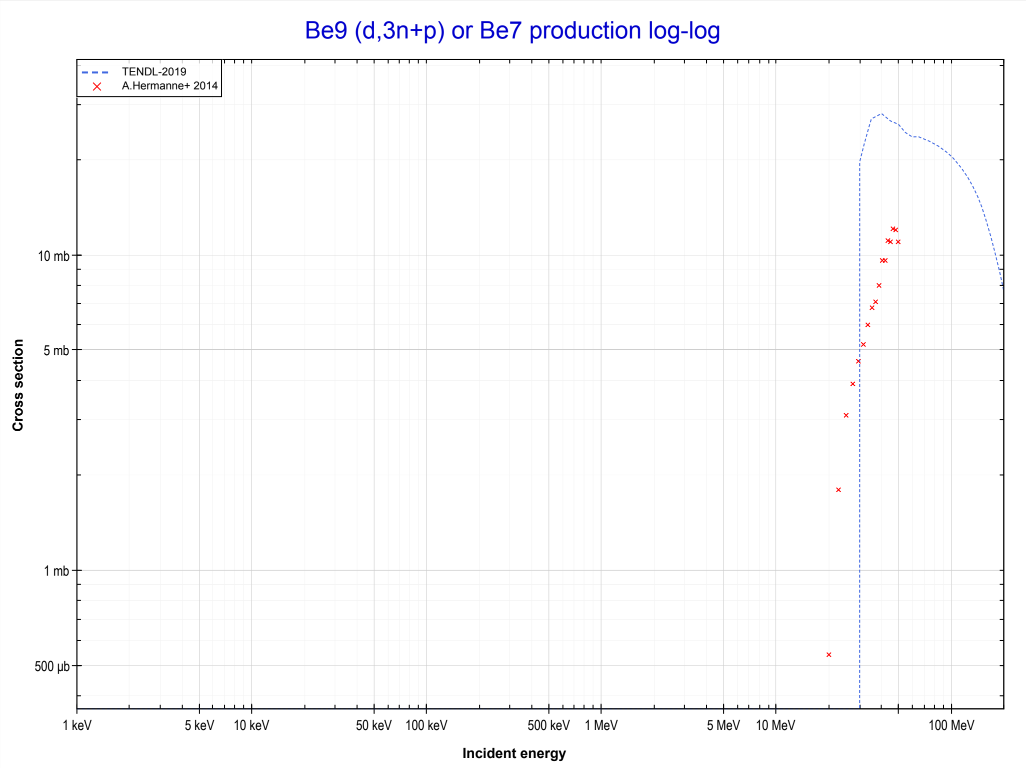


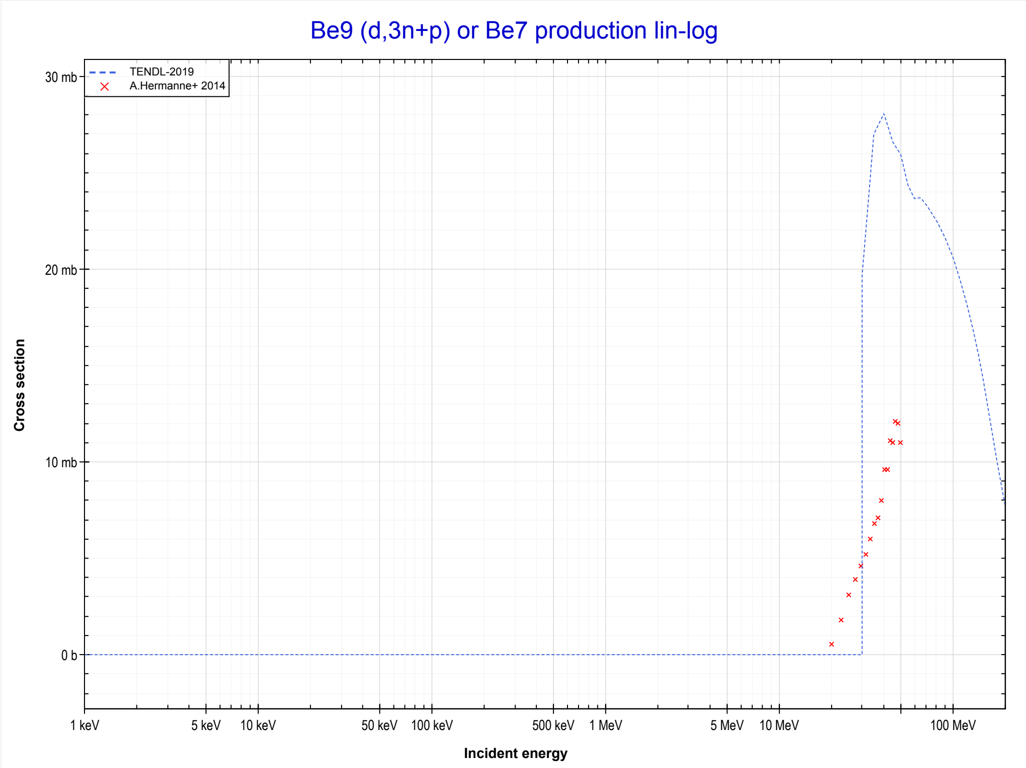
Be9 (d,n+t) or Be7 production lin-log



Reaction	Q-Value
Be9(d,n+t)Be7	-14305.96 keV
Be9(d,2n+d)Be7	-20563.18 keV
Be9(d,3n+p)Be7	-22787.75 keV

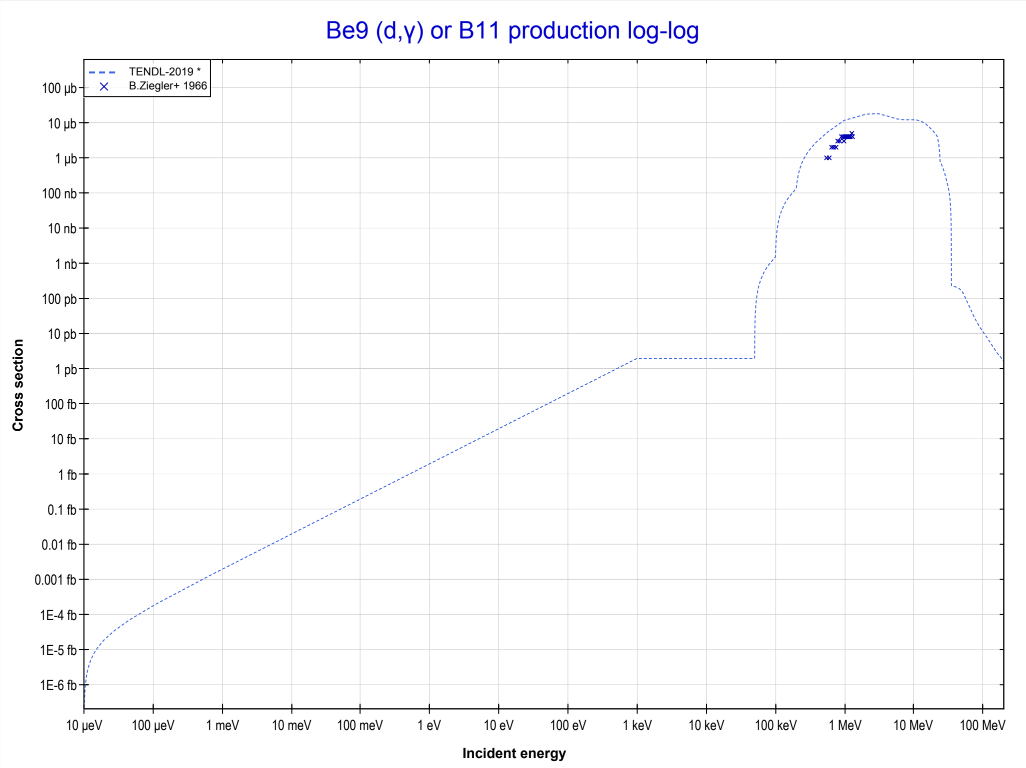
	4-Be-9	21-Sc-45 >>
<< MT33 (d,n+t)	**MT42 (d,3n+p) or MT5 (Be7 production)**	MT102 (d,γ) >>

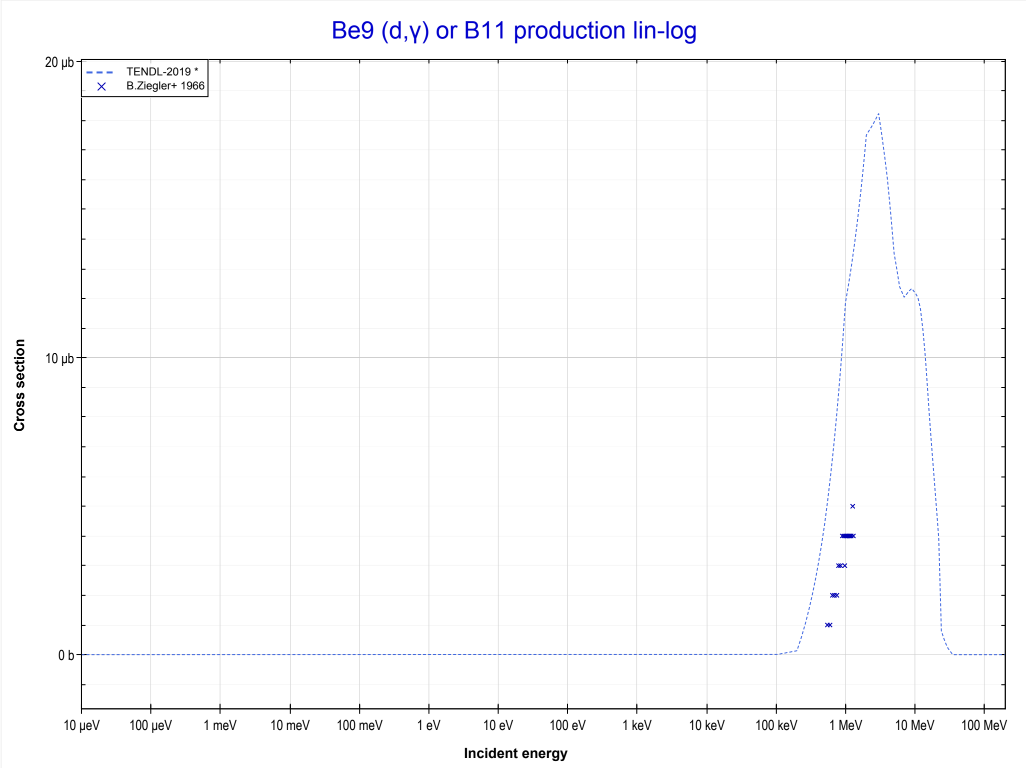




Reaction	Q-Value
Be9(d,n+t)Be7	-14305.96 keV
Be9(d,2n+d)Be7	-20563.18 keV
Be9(d,3n+p)Be7	-22787.75 keV

	4-Be-9	6-C-14 >>
<< MT42 (d,3n+p)	**MT102 (d,γ) or MT5 (B11 production)**	MT103 (d,p) >>

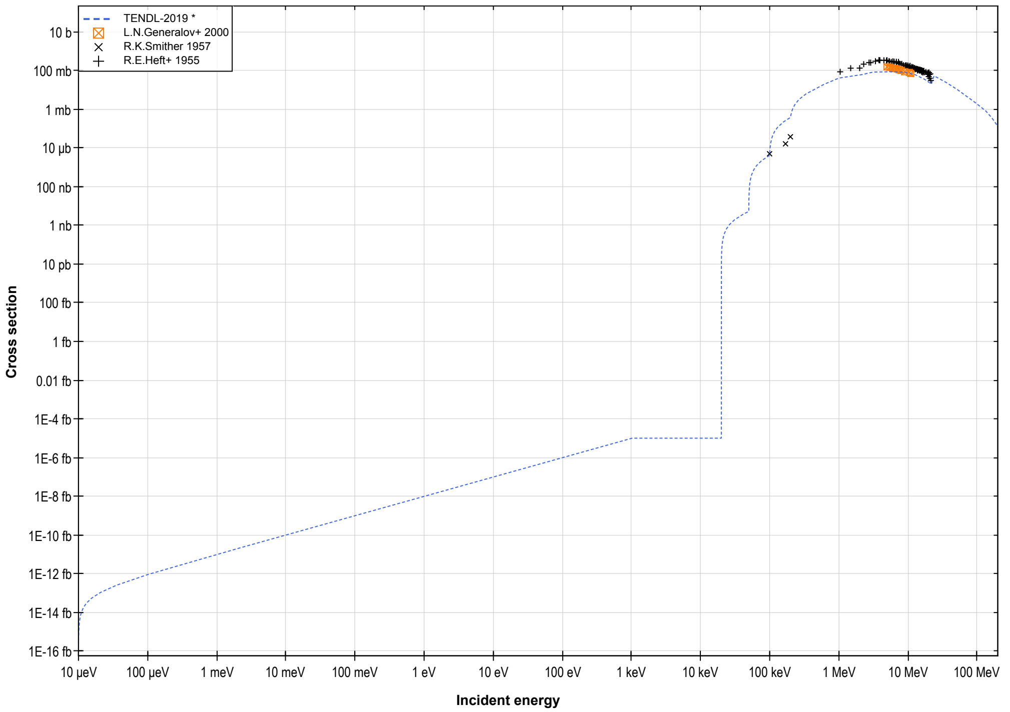




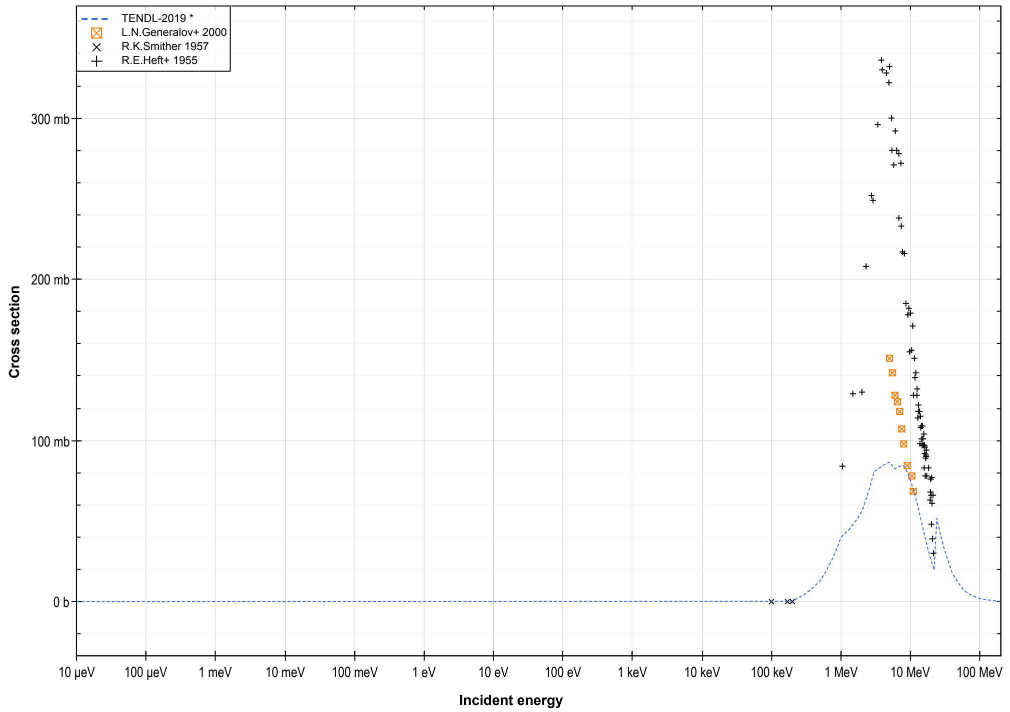
Reaction	Q-Value
Be9(d,γ)B11	15816.46 keV

	4-Be-9	5-B-11 >>
<< MT102 (d,γ)	**MT103 (d,p) or MT5 (Be10 production)**	MT105 (d,t) >>

Be9 (d,p) or Be10 production log-log

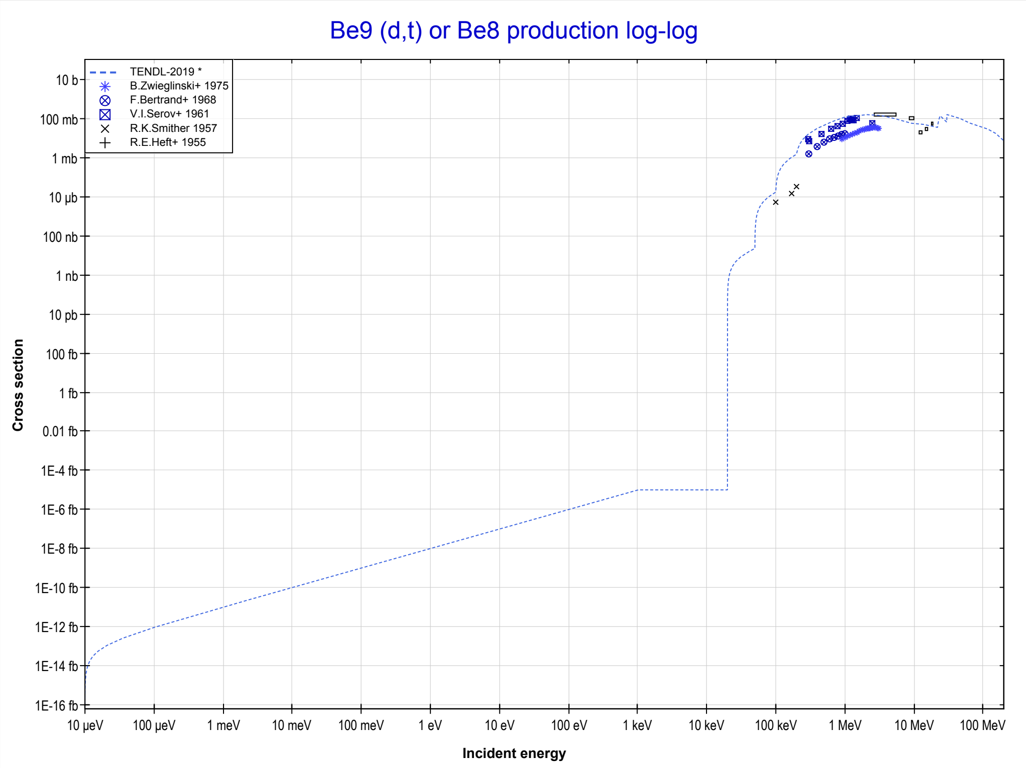


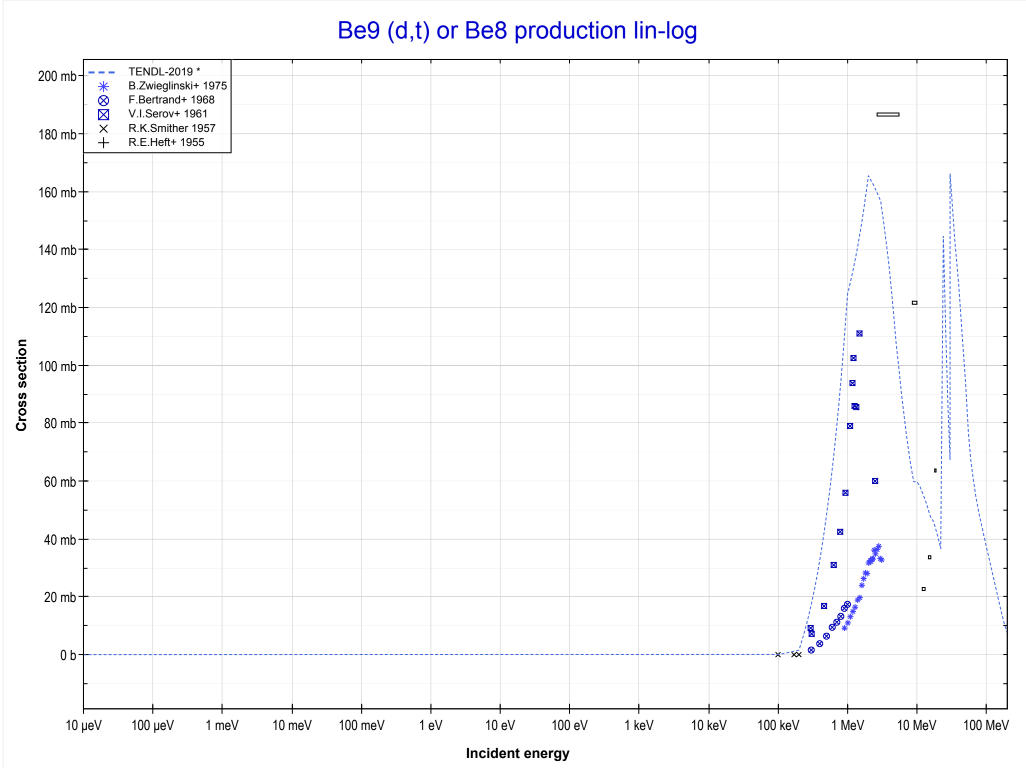
Be9 (d,p) or Be10 production lin-log



Reaction	Q-Value
Be9(d,p)Be10	4587.71 keV

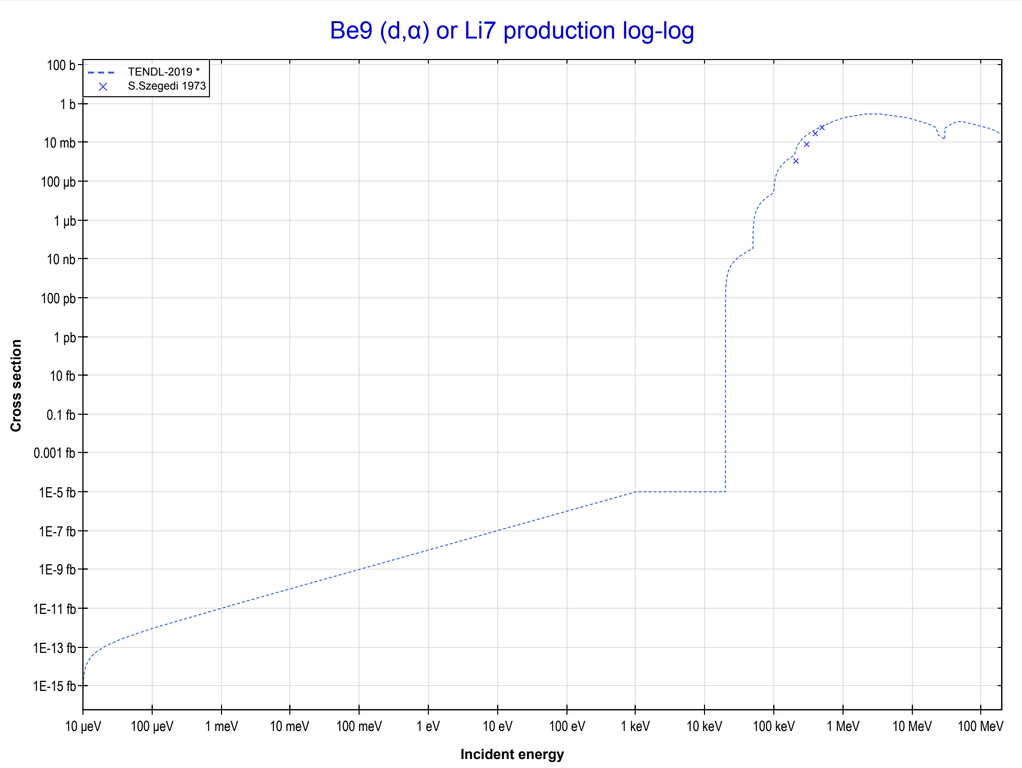
	4-Be-9	6-C-12 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Be8 production)**	MT107 (d,α) >>

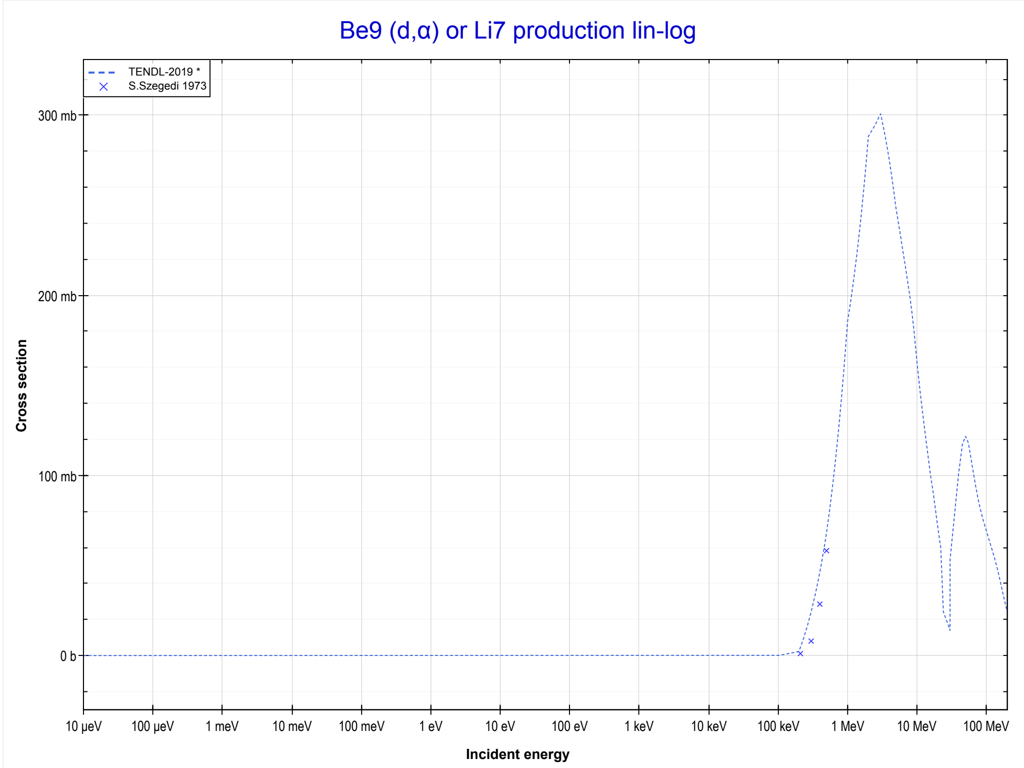




Reaction	Q-Value
Be9(d,t)Be8	4592.69 keV
Be9(d,n+d)Be8	-1664.54 keV
Be9(d,2n+p)Be8	-3889.10 keV

	4-Be-9	6-C-12 >>
<< MT105 (d,t)	**MT107 (d,α) or MT5 (Li7 production)**	MT108 (d,2α) >>

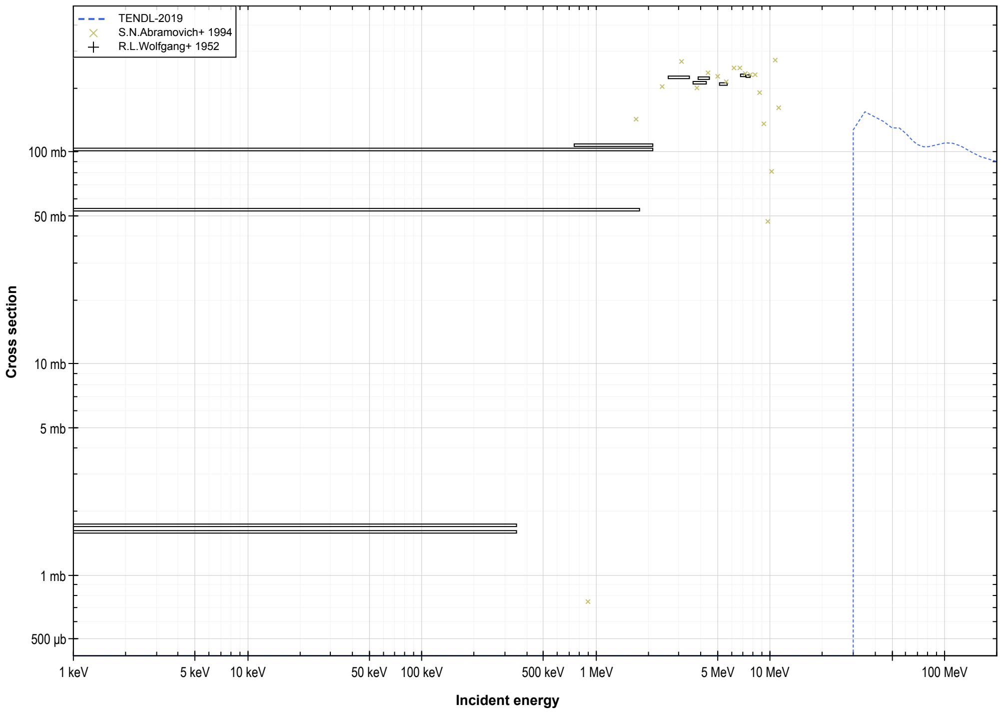




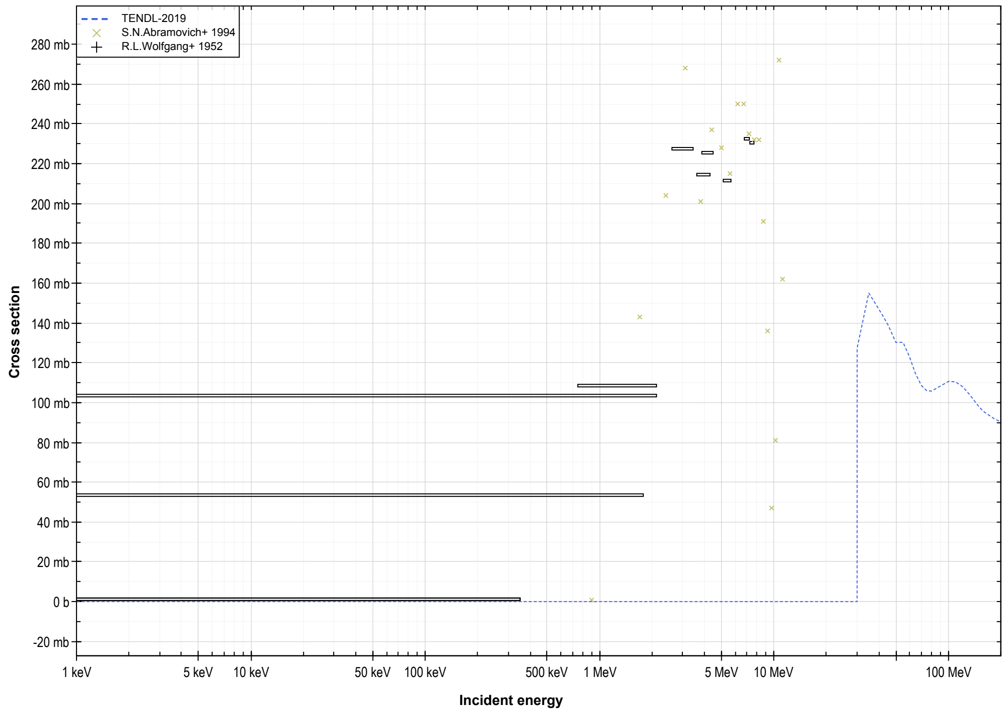
Reaction	Q-Value
Be9(d,α)Li7	7152.15 keV
Be9(d,p+t)Li7	-12661.71 keV
Be9(d,n+He3)Li7	-13425.47 keV
Be9(d,2d)Li7	-16694.38 keV
Be9(d,n+p+d)Li7	-18918.94 keV
Be9(d,2n+2p)Li7	-21143.51 keV

	4-Be-9	12-Mg-24 >>
<< MT107 (d,α)	**MT108 (d,2α) or MT5 (H3 production)**	MT114 (d,d+2α) >>

Be9 (d,2α) or H3 production log-log



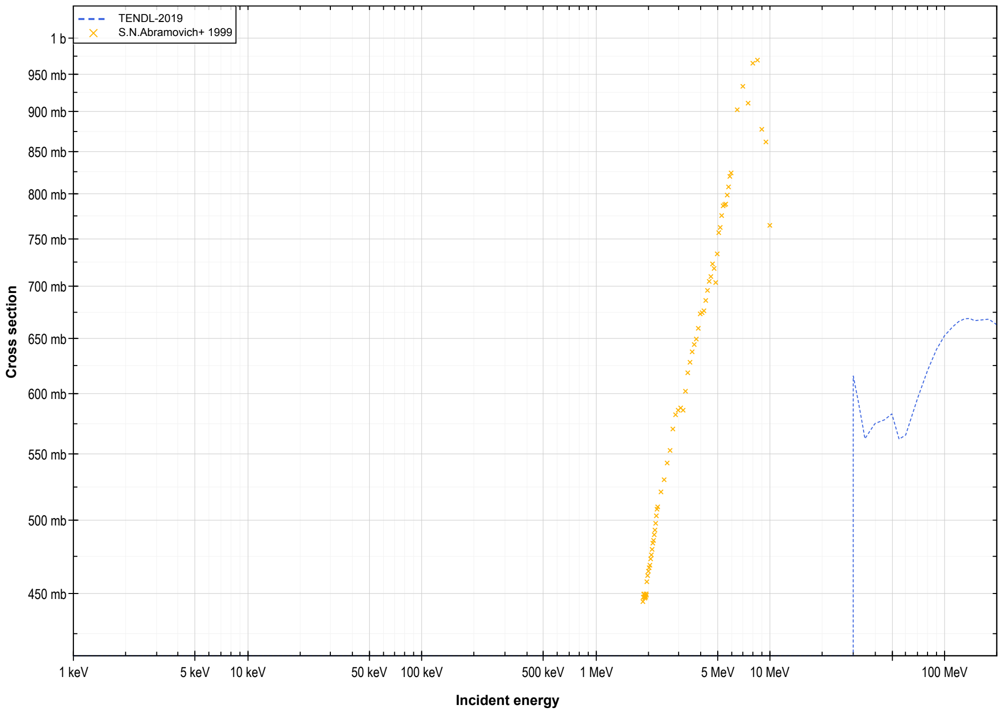
Be9 (d,2α) or H3 production lin-log



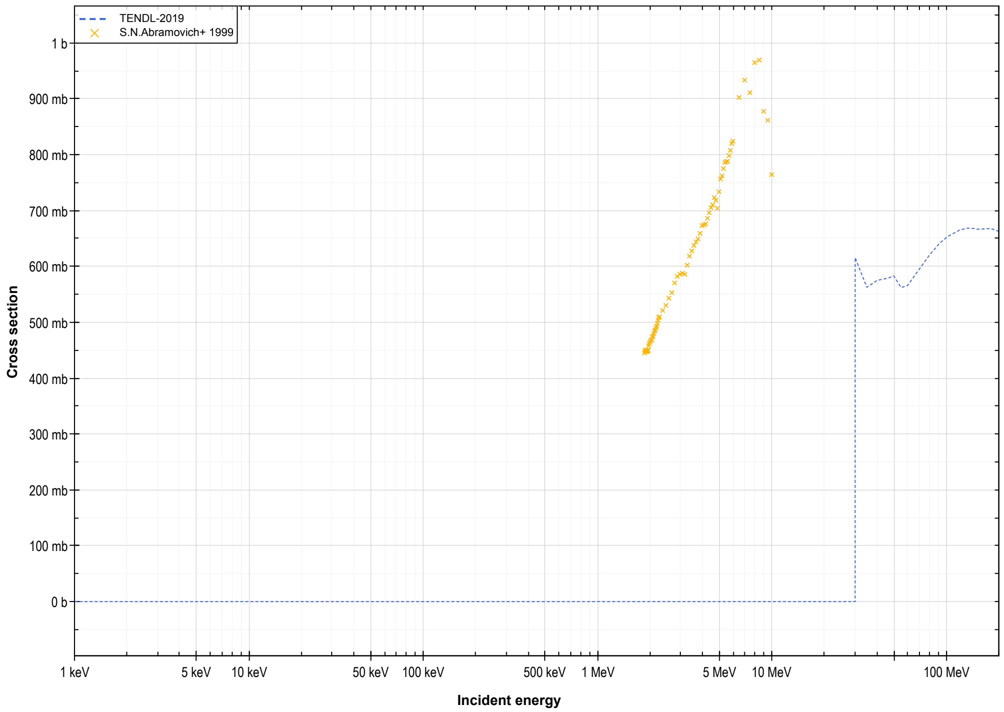
Reaction	Q-Value	Reaction	Q-Value
Be9(d,2α)H3	4684.53 keV	Be9(d,n+p+t+He3)H3	-35706.95 keV
Be9(d,p+t+α)H3	-15129.33 keV	Be9(d,2n+2He3)H3	-36470.71 keV
Be9(d,n+He3+α)H3	-15893.09 keV	Be9(d,p+2d+t)H3	-38975.86 keV
Be9(d,2d+α)H3	-19162.00 keV	Be9(d,n+2d+He3)H3	-39739.62 keV
Be9(d,n+p+d+α)H3	-21386.56 keV	Be9(d,n+2p+d+t)H3	-41200.43 keV
Be9(d,2n+2p+α)H3	-23611.13 keV	Be9(d,2n+p+d+He3)H3	-41964.18 keV
Be9(d,d+t+He3)H3	-33482.39 keV	Be9(d,4d)H3	-43008.53 keV
Be9(d,2p+2t)H3	-34943.20 keV	Be9(d,2n+3p+t)H3	-43424.99 keV

	4-Be-9	23-V-51 >>
<< MT108 (d,2α)	**MT114 (d,d+2α) or MT5 (n production)**	5-B-10 MT4 (d,n) >>

Be9 (d,d+2α) or n production log-log

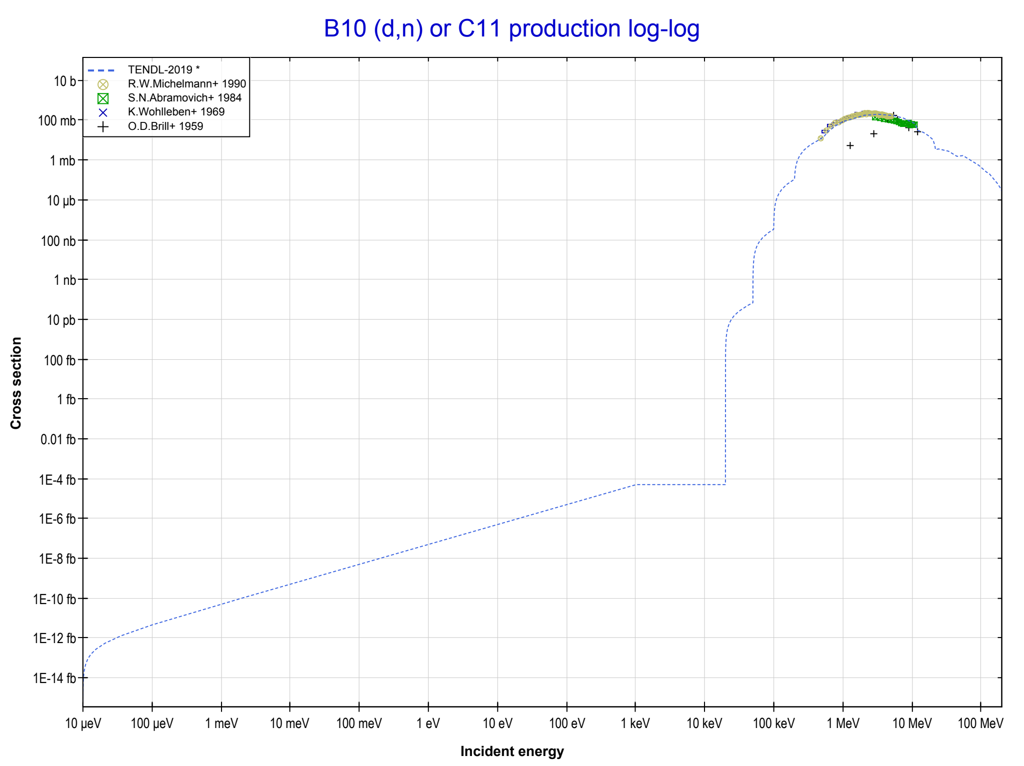


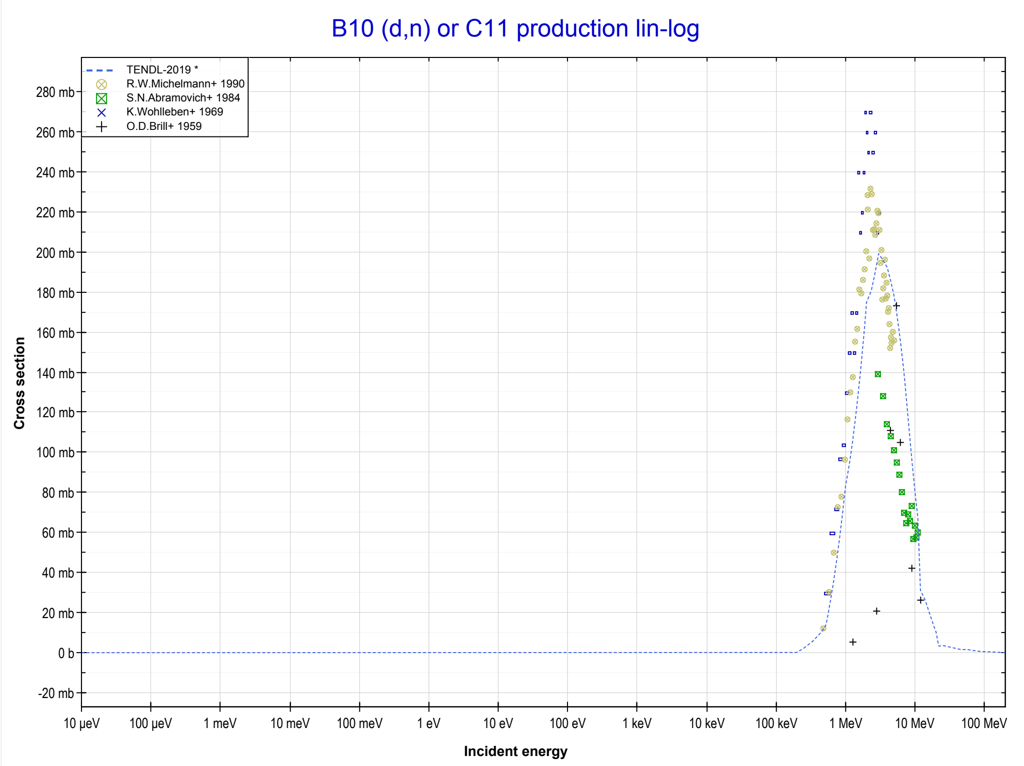
Be9 (d,d+2α) or n production lin-log



Reaction	Q-Value	Reaction	Q-Value
Be9(d,d+2α)n	-1572.70 keV	Be9(d,n+p+2d+α)n	-27643.79 keV
Be9(d,n+p+2α)n	-3797.26 keV	Be9(d,2n+2p+d+α)n	-29868.36 keV
Be9(d,t+He3+α)n	-15893.09 keV	Be9(d,3n+3p+α)n	-32092.92 keV
Be9(d,p+d+t+α)n	-21386.56 keV	Be9(d,p+2t+He3)n	-35706.95 keV
Be9(d,n+d+He3+α)n	-22150.32 keV	Be9(d,n+t+2He3)n	-36470.71 keV
Be9(d,n+2p+t+α)n	-23611.13 keV	Be9(d,2d+t+He3)n	-39739.62 keV
Be9(d,2n+p+He3+α)n	-24374.88 keV	Be9(d,2p+d+2t)n	-41200.43 keV
Be9(d,3d+α)n	-25419.23 keV	Be9(d,n+p+d+t+He3)n	-41964.18 keV

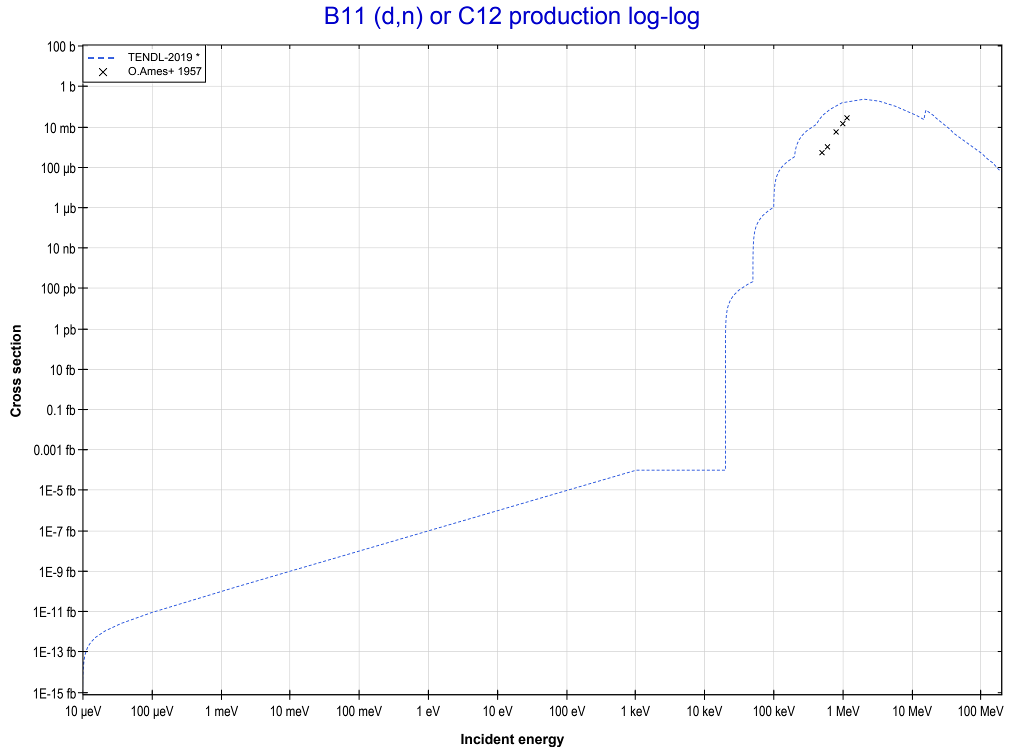
<< 3-Li-6	**5-B-10**	5-B-11 >>
<< 4-Be-9 MT114 (d,d+2α)	**MT4 (d,n) or MT5 (C11 production)**	5-B-11 MT4 (d,n) >>

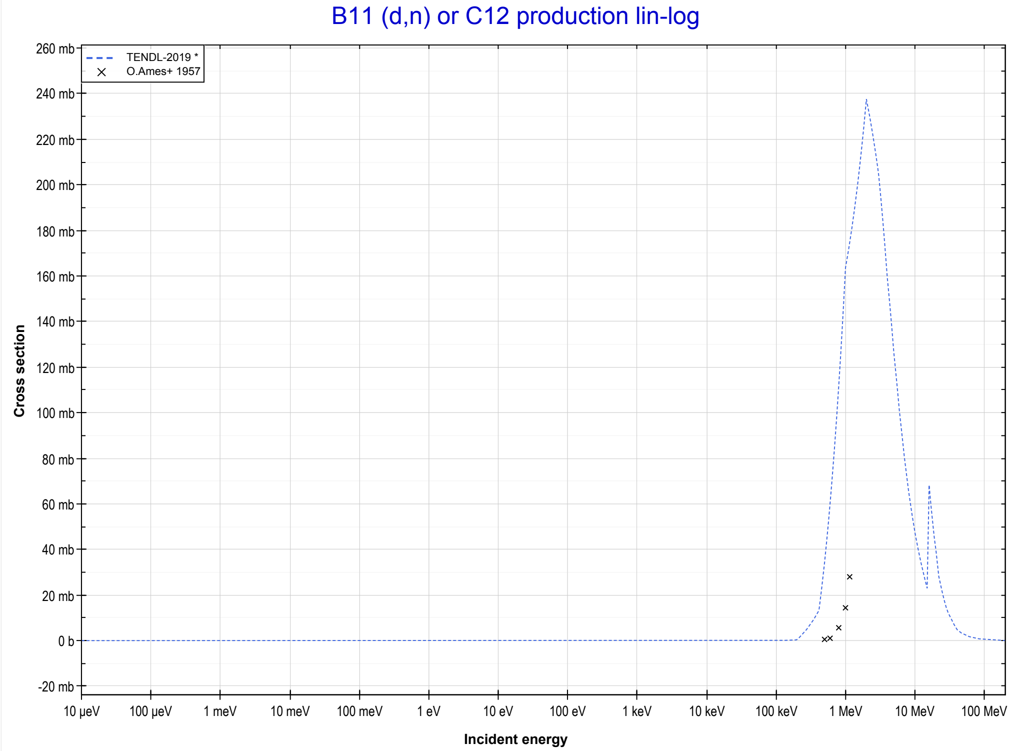




Reaction	Q-Value
B10(d,n)C11	6465.61 keV

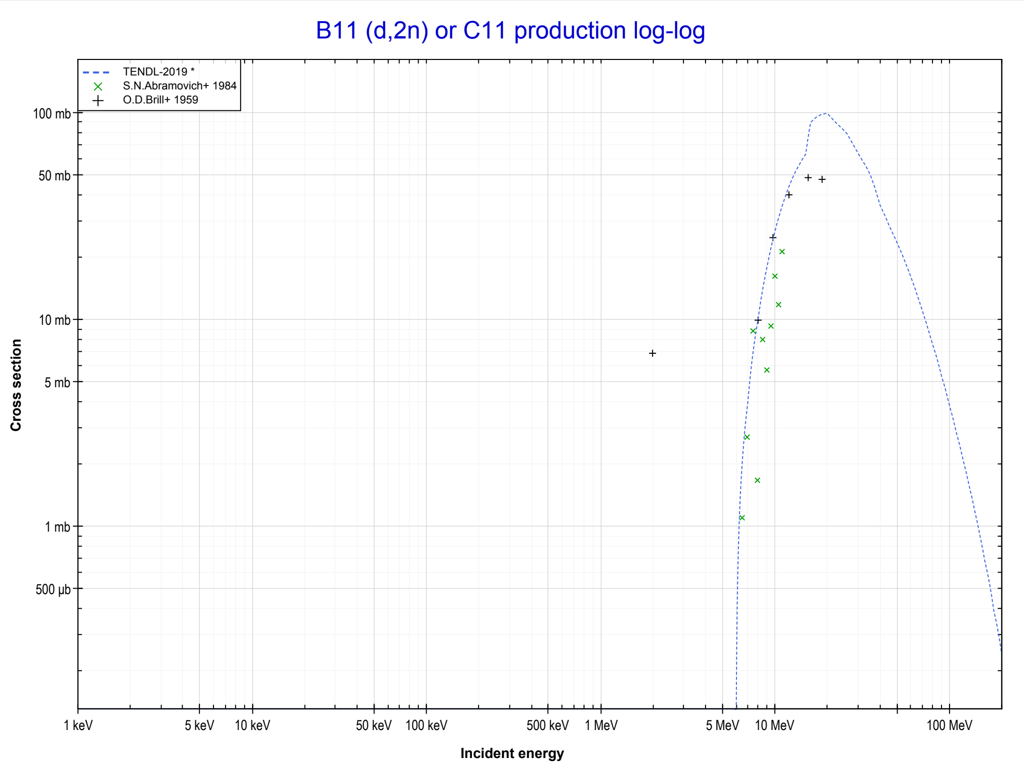
<< 5-B-10	**5-B-11**	6-C-12 >>
<< 5-B-10 MT4 (d,n)	**MT4 (d,n) or MT5 (C12 production)**	MT16 (d,2n) >>

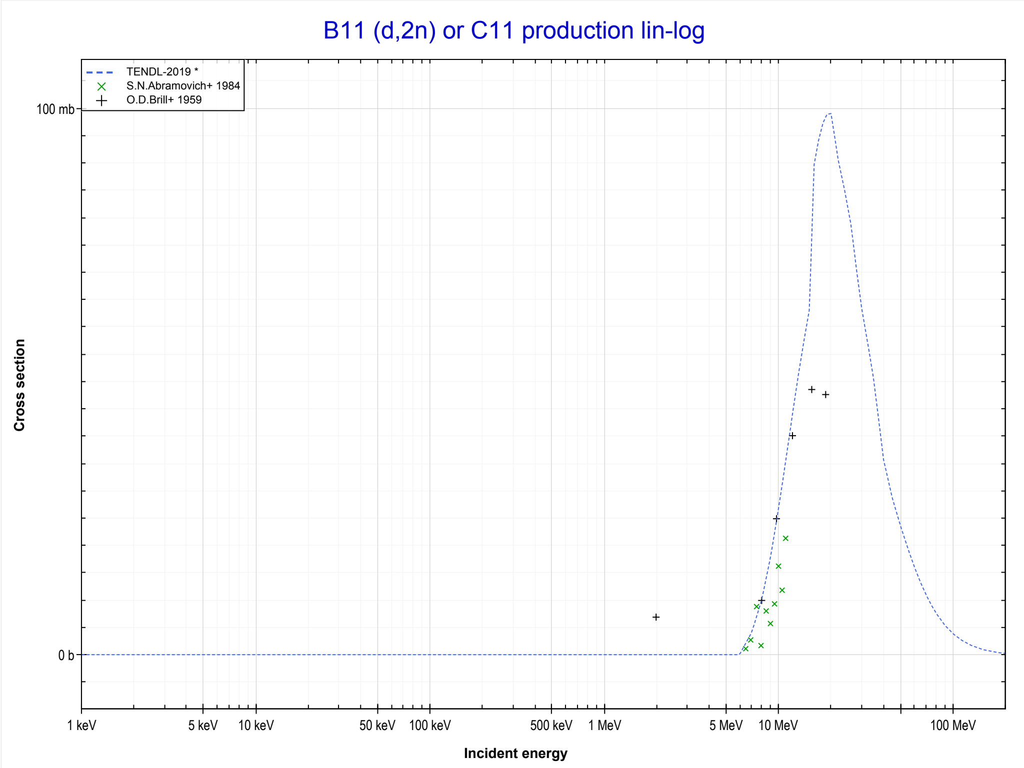




Reaction	Q-Value
B11(d,n)C12	13732.11 keV

	5-B-11	13-Al-27 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (C11 production)**	MT103 (d,p) >>

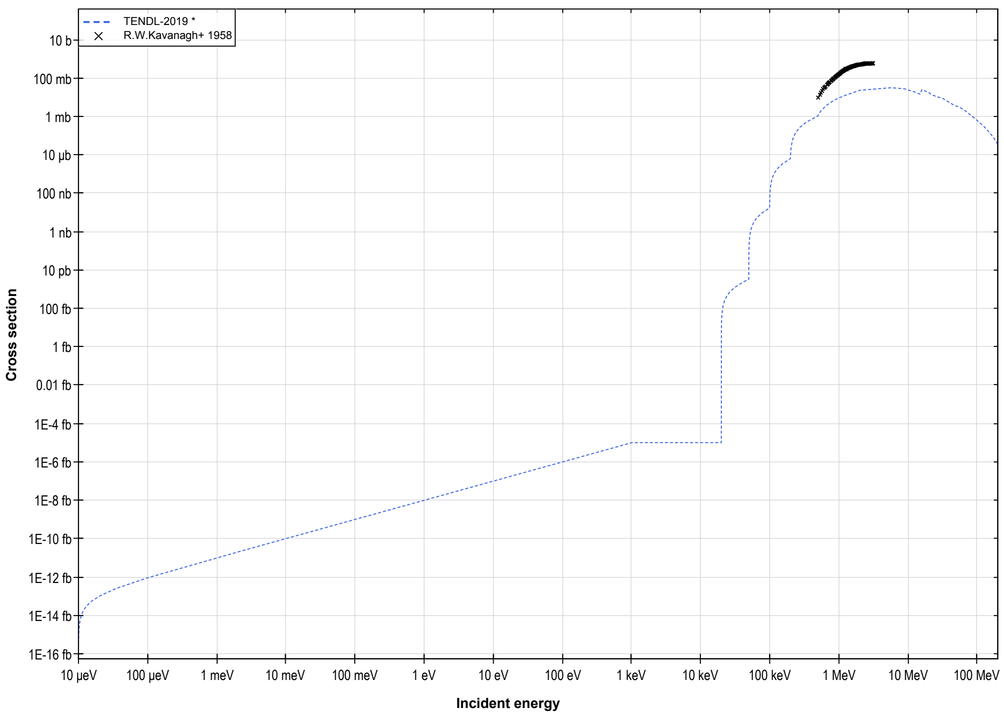




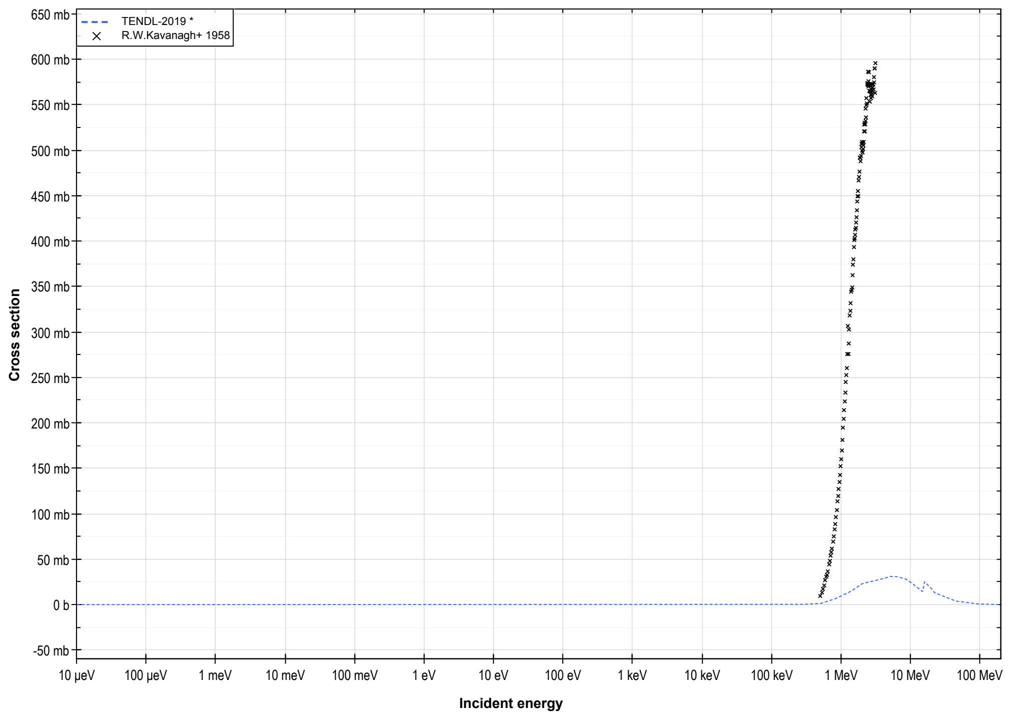
Reaction	Q-Value
B11(d,2n)C11	-4988.61 keV

<< 4-Be-9	**5-B-11**	6-C-12 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (B12 production)**	6-C-12 MT4 (d,n) >>

B11 (d,p) or B12 production log-log



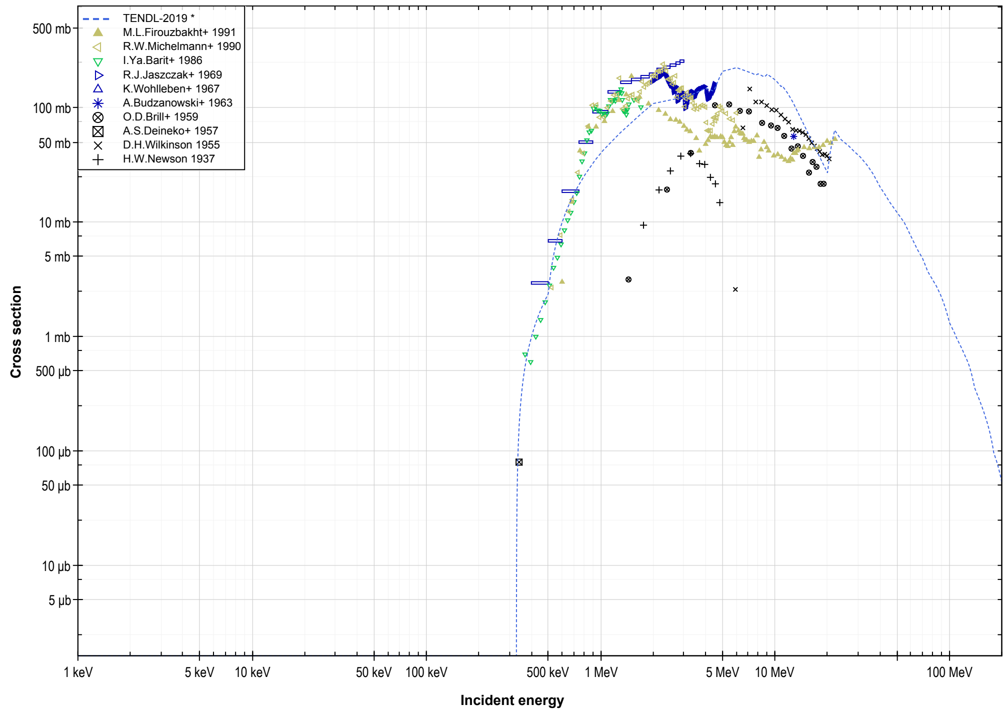
B11 (d,p) or B12 production lin-log



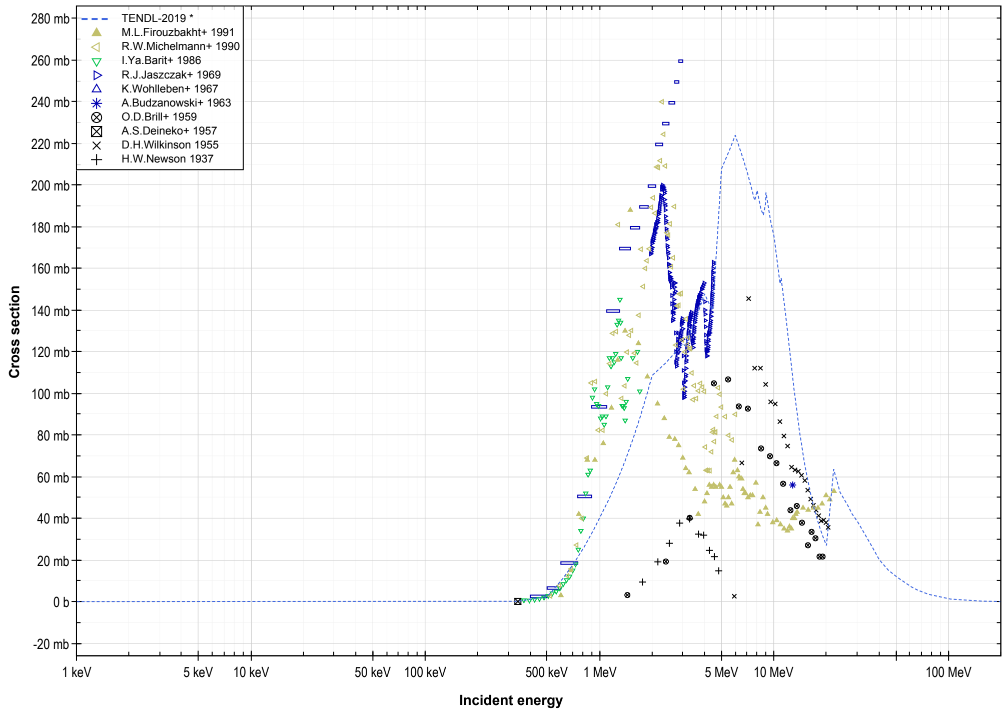
Reaction	Q-Value
B11(d,p)B12	1145.06 keV

<< 5-B-11	**6-C-12**	6-C-13 >>
<< 5-B-11 MT103 (d,p)	**MT4 (d,n) or MT5 (N13 production)**	MT32 (d,n+d) >>

C12 (d,n) or N13 production log-log

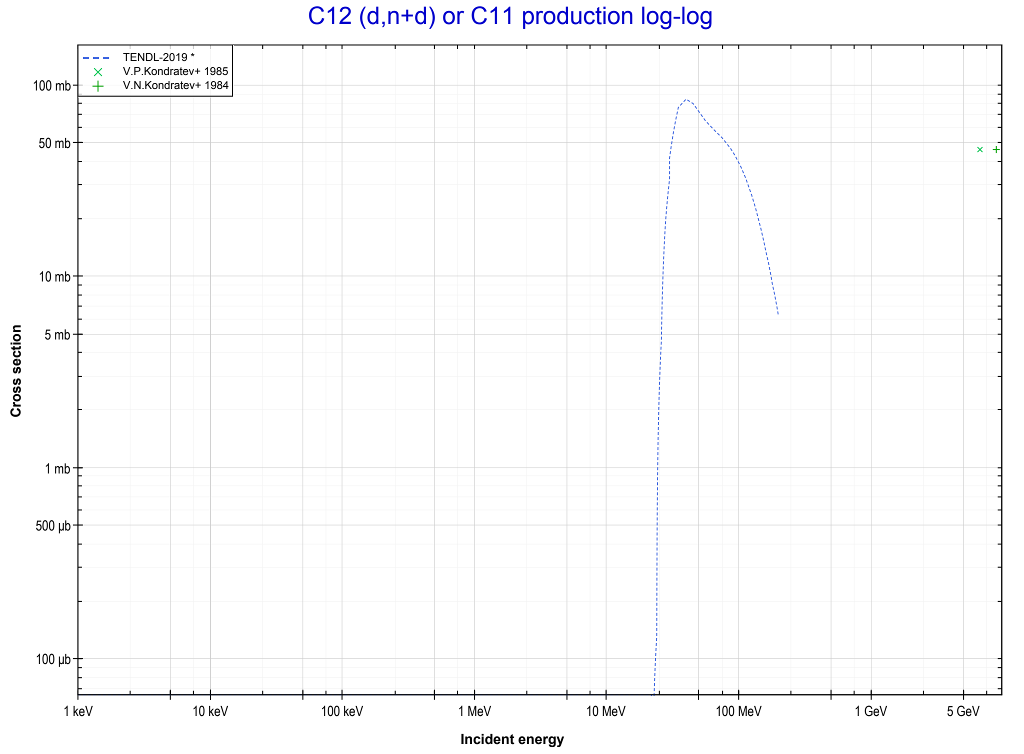


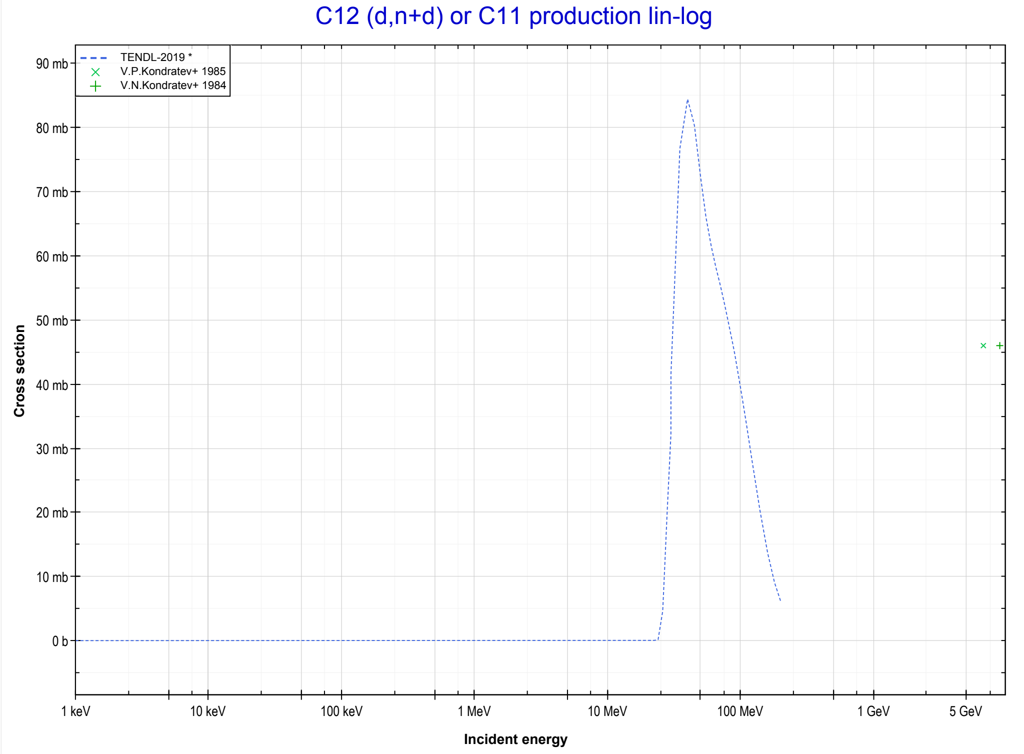
C12 (d,n) or N13 production lin-log



Reaction	Q-Value
C12(d,n)N13	-281.08 keV

	6-C-12	7-N-14 >>
<< MT4 (d,n)	**MT32 (d,n+d) or MT5 (C11 production)**	MT41 (d,2n+p) >>

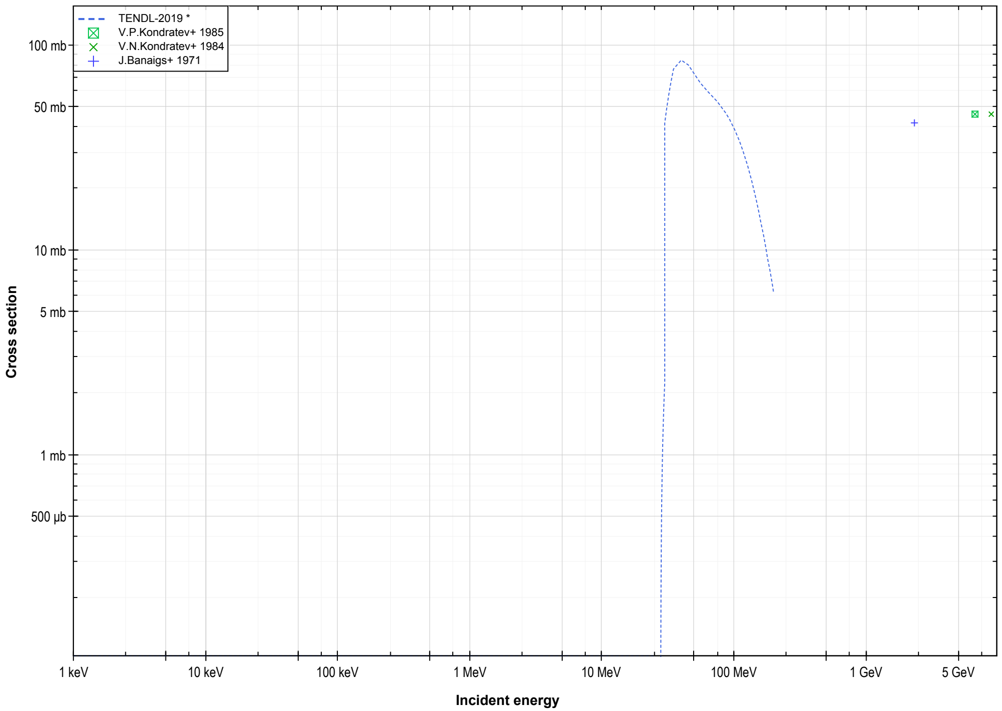




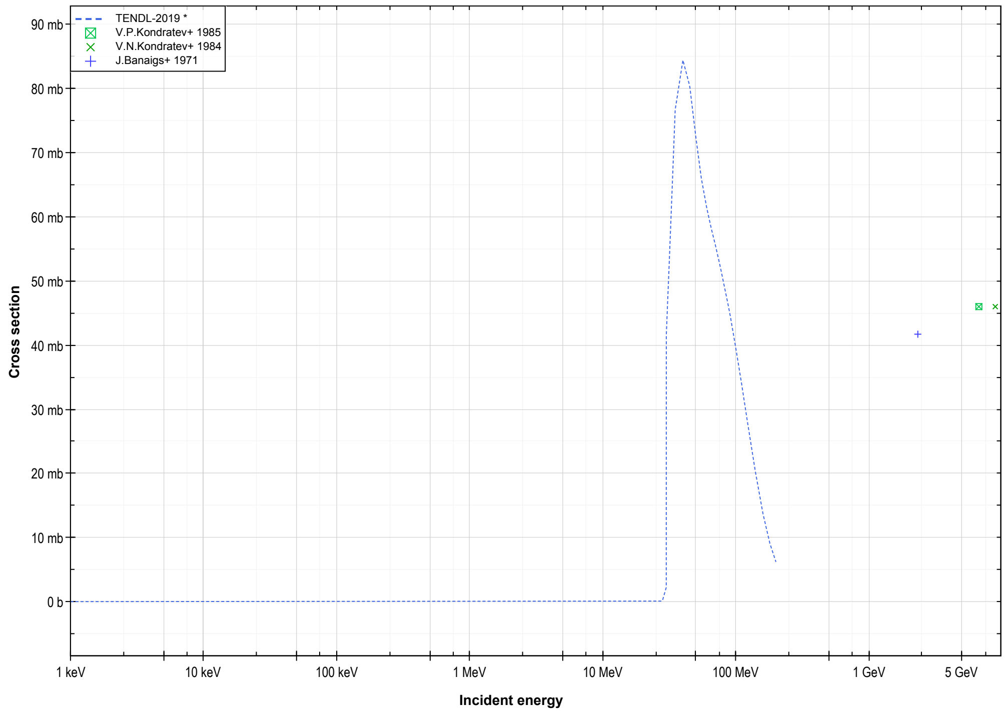
Reaction	Q-Value
C12(d,t)C11	-12463.49 keV
C12(d,n+d)C11	-18720.72 keV
C12(d,2n+p)C11	-20945.28 keV

	6-C-12	7-N-14 >>
<< MT32 (d,n+d)	**MT41 (d,2n+p) or MT5 (C11 production)**	MT103 (d,p) >>

C12 (d,2n+p) or C11 production log-log



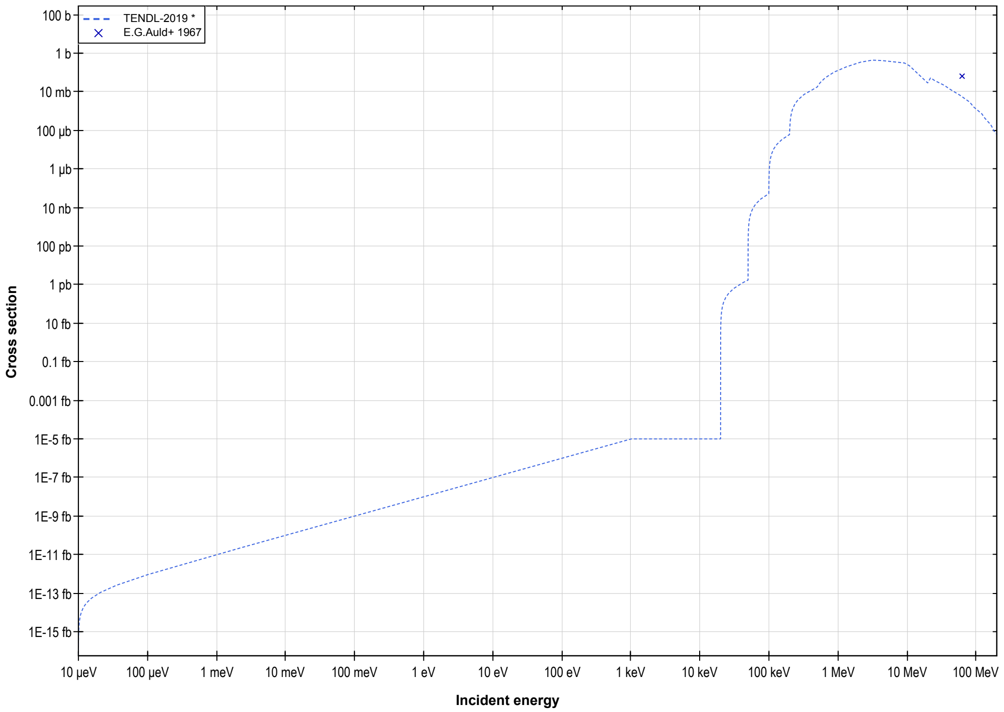
C12 (d,2n+p) or C11 production lin-log



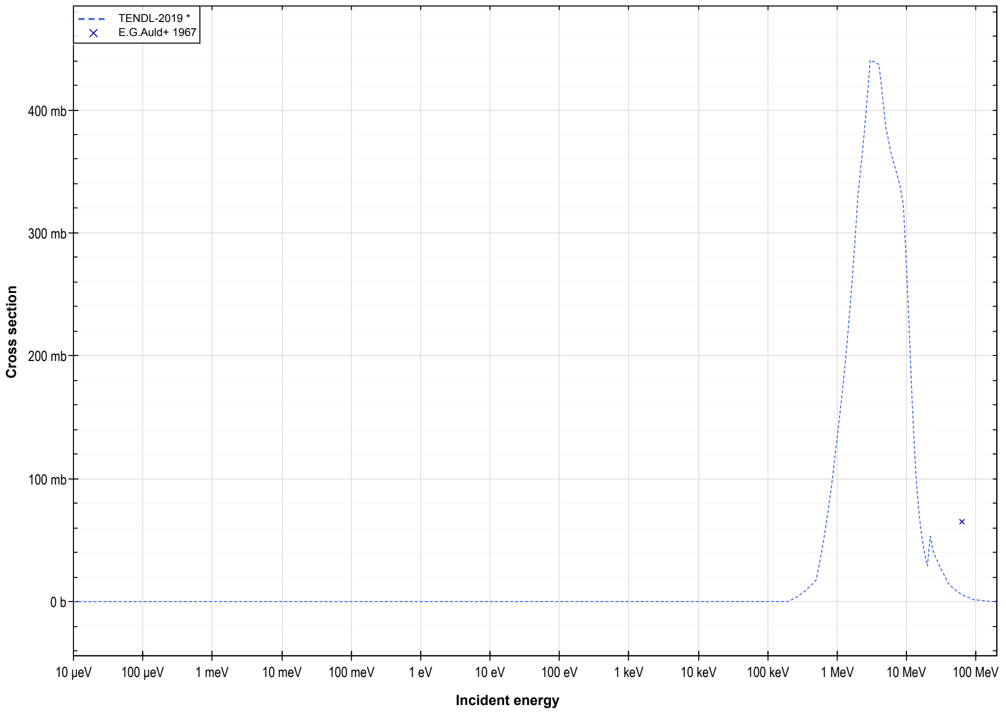
Reaction	Q-Value
C12(d,t)C11	-12463.49 keV
C12(d,n+d)C11	-18720.72 keV
C12(d,2n+p)C11	-20945.28 keV

<< 5-B-11	**6-C-12**	6-C-13 >>
<< MT41 (d,2n+p)	**MT103 (d,p) or MT5 (C13 production)**	MT105 (d,t) >>

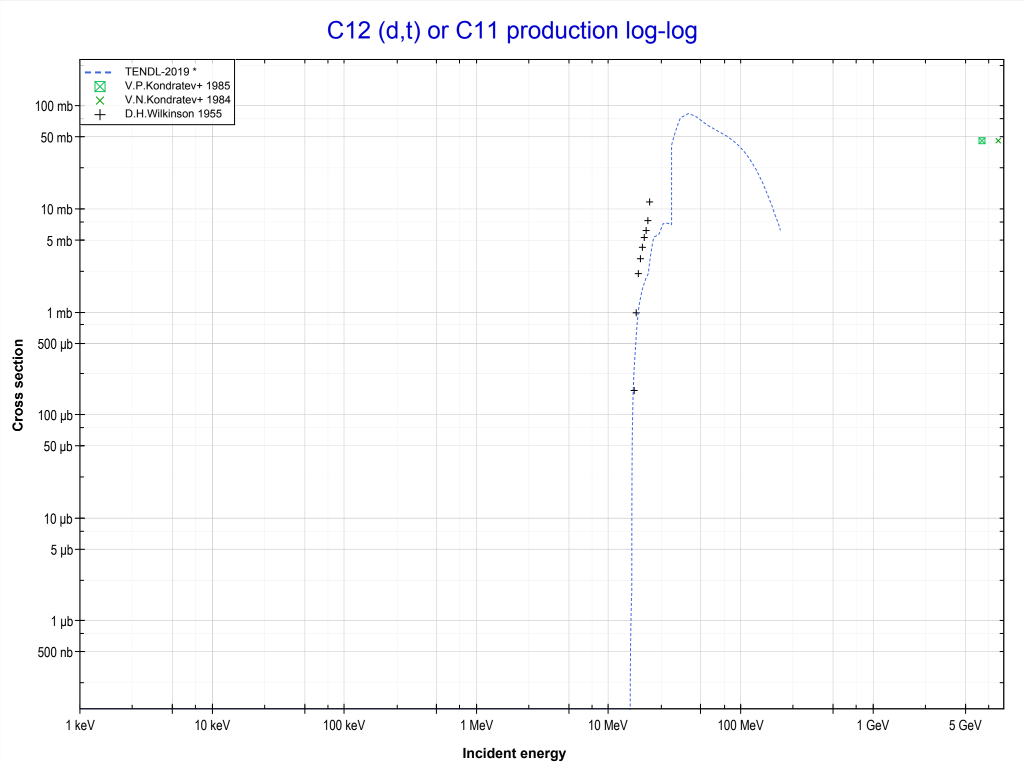
C12 (d,p) or C13 production log-log

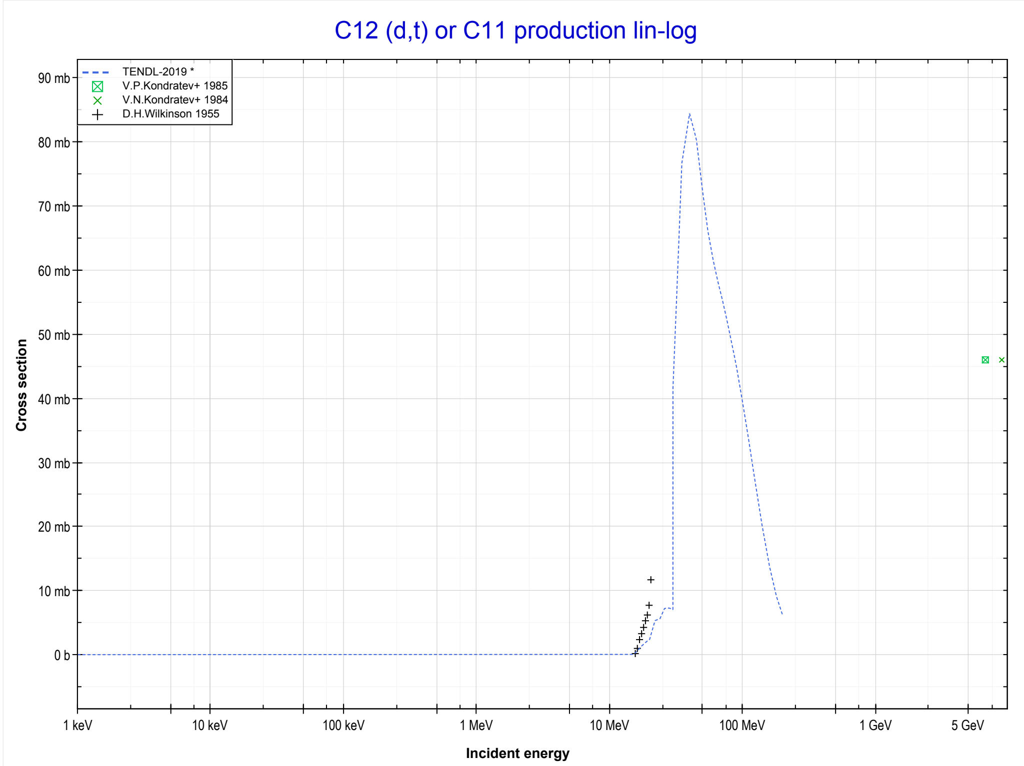


C12 (d,p) or C13 production lin-log



Reaction	Q-Value
C12(d,p)C13	2721.74 keV

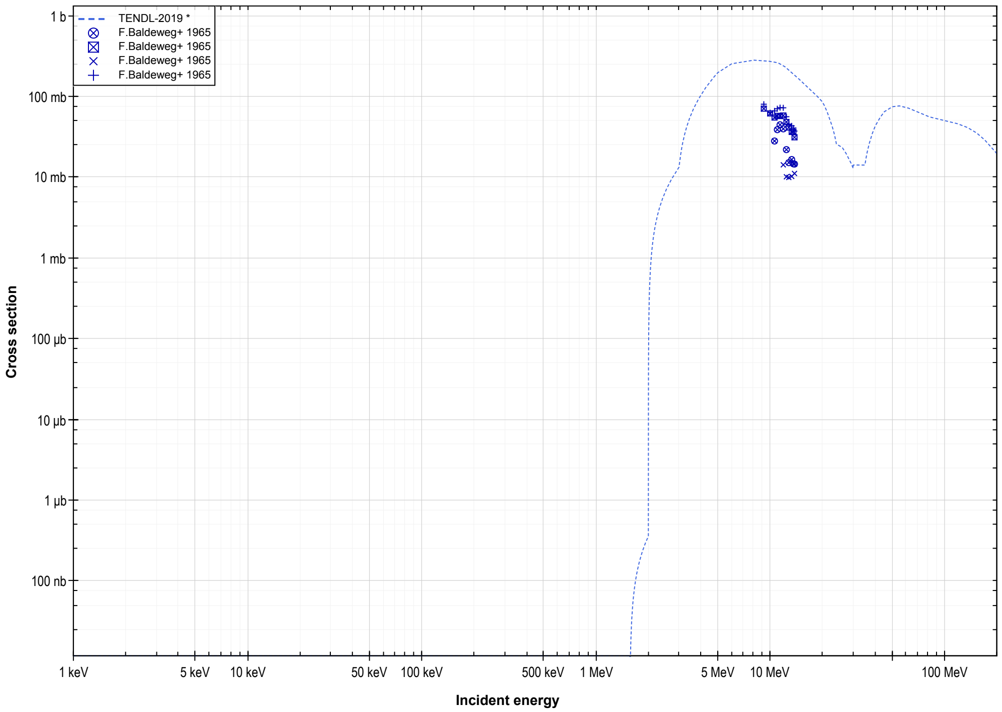




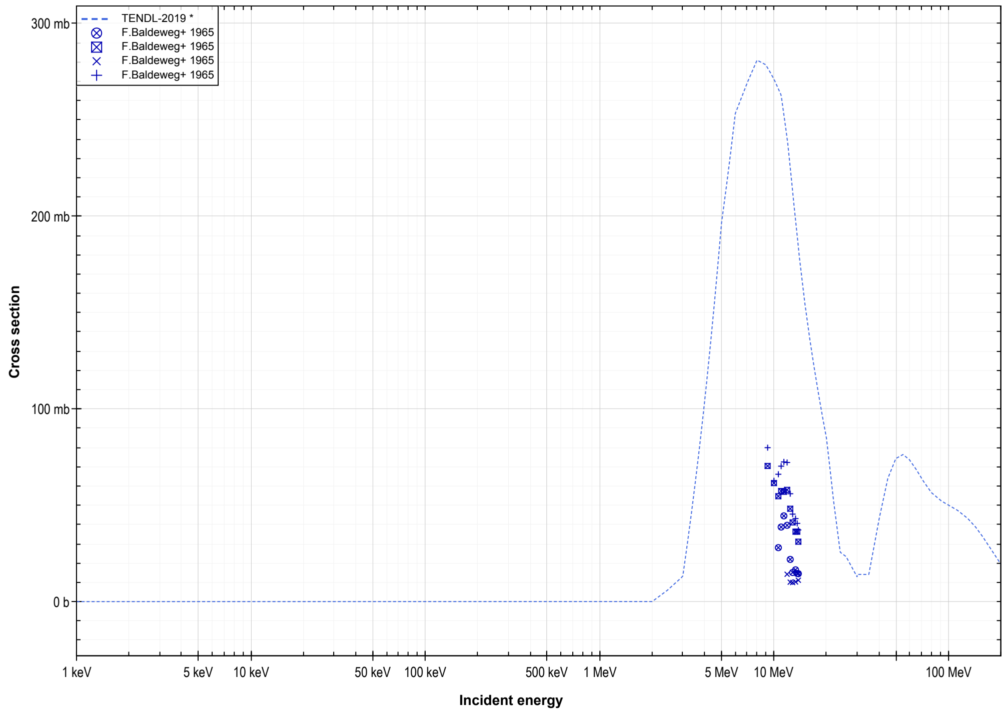
Reaction	Q-Value
C12(d,t)C11	-12463.49 keV
C12(d,n+d)C11	-18720.72 keV
C12(d,2n+p)C11	-20945.28 keV

<< 4-Be-9	**6-C-12**	8-O-16 >>
<< MT105 (d,t)	**MT107 (d,α) or MT5 (B10 production)**	6-C-13 MT4 (d,n) >>

C12 (d,α) or B10 production log-log

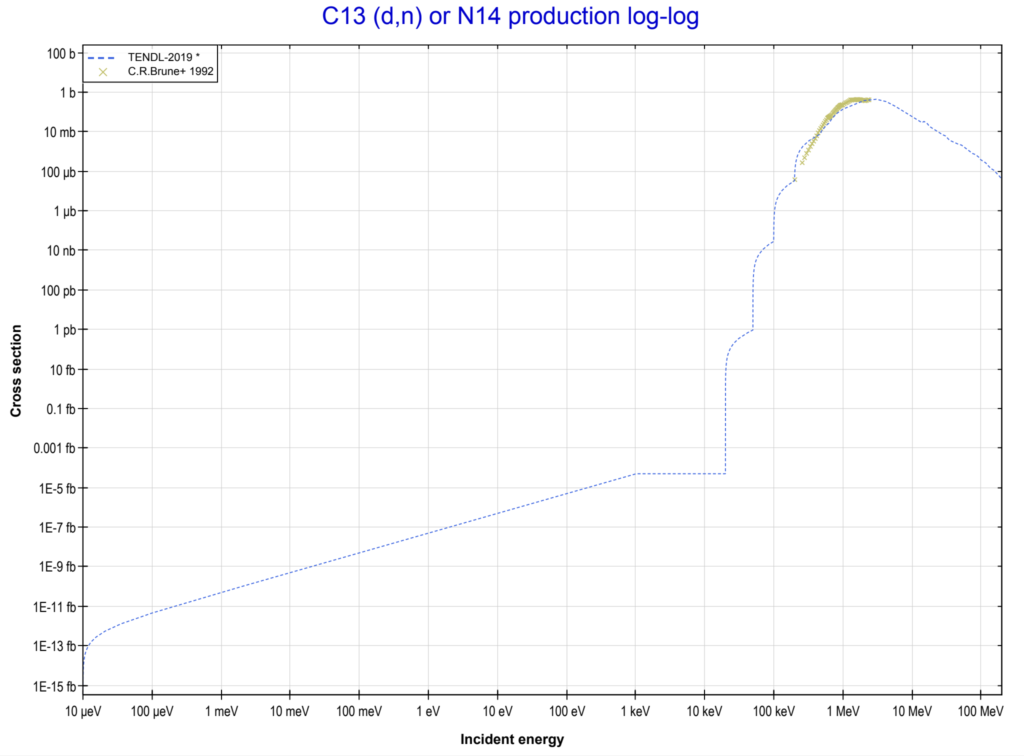


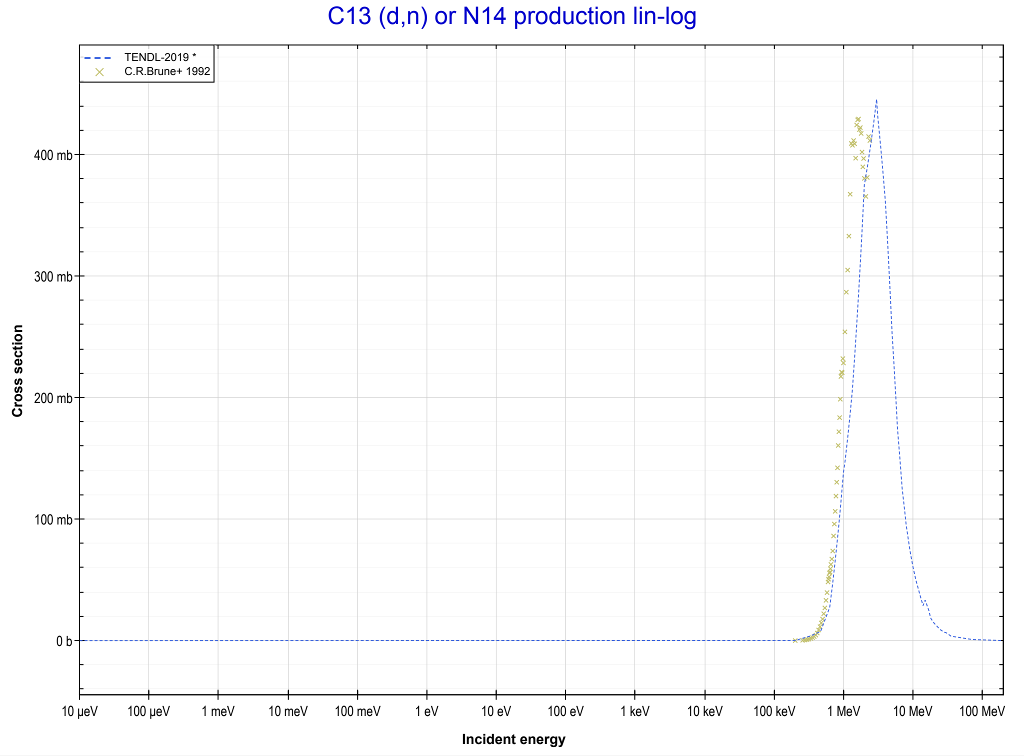
C12 (d,α) or B10 production lin-log



Reaction	Q-Value
C12(d,α)B10	-1339.80 keV
C12(d,p+t)B10	-21153.67 keV
C12(d,n+He3)B10	-21917.42 keV
C12(d,2d)B10	-25186.33 keV
C12(d,n+p+d)B10	-27410.90 keV
C12(d,2n+2p)B10	-29635.46 keV

<< 6-C-12	**6-C-13**	6-C-14 >>
<< 6-C-12 MT107 (d,α)	**MT4 (d,n) or MT5 (N14 production)**	MT103 (d,p) >>

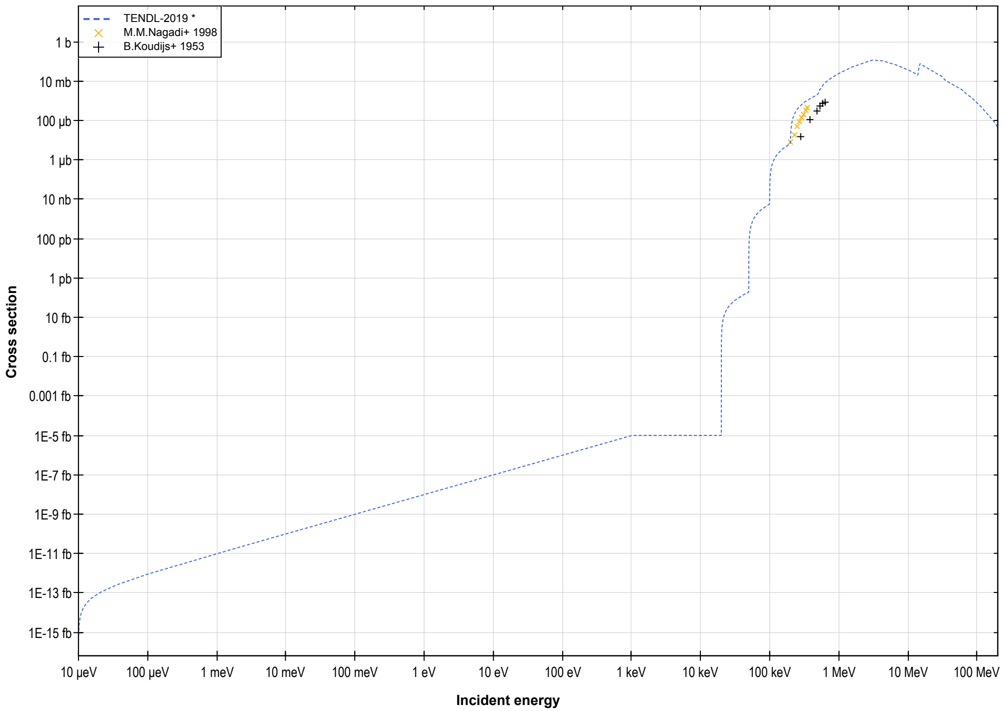




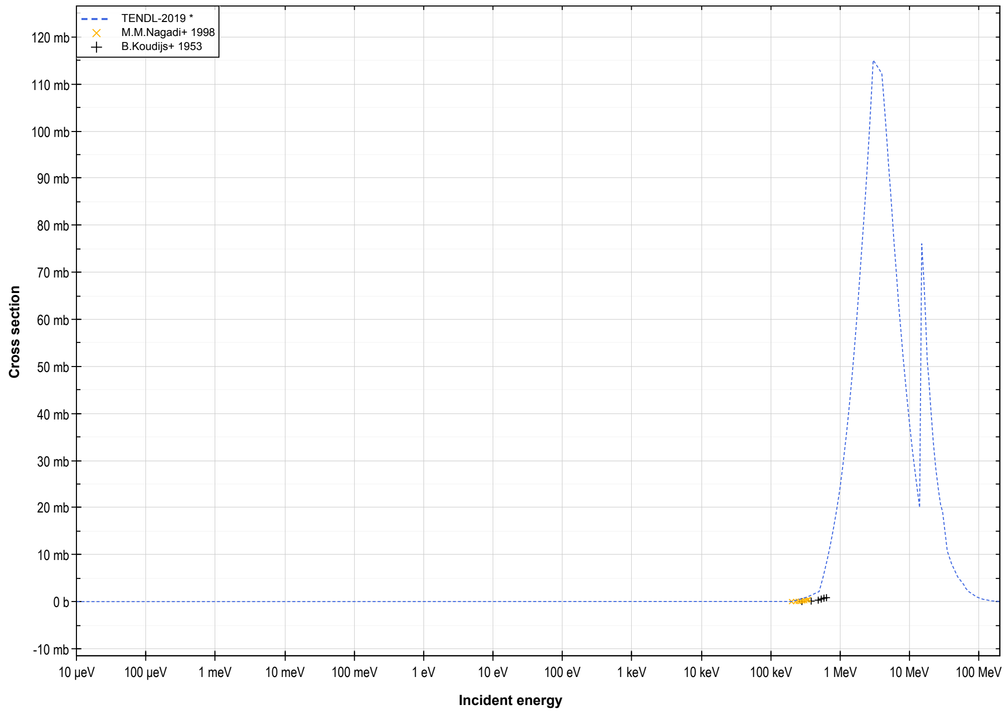
Reaction	Q-Value
C13(d,n)N14	5326.00 keV

<< 6-C-12	**6-C-13**	6-C-14 >>
<< MT4 (d,n)	**MT103 (d,p) or MT5 (C14 production)**	6-C-14 MT4 (d,n) >>

C13 (d,p) or C14 production log-log



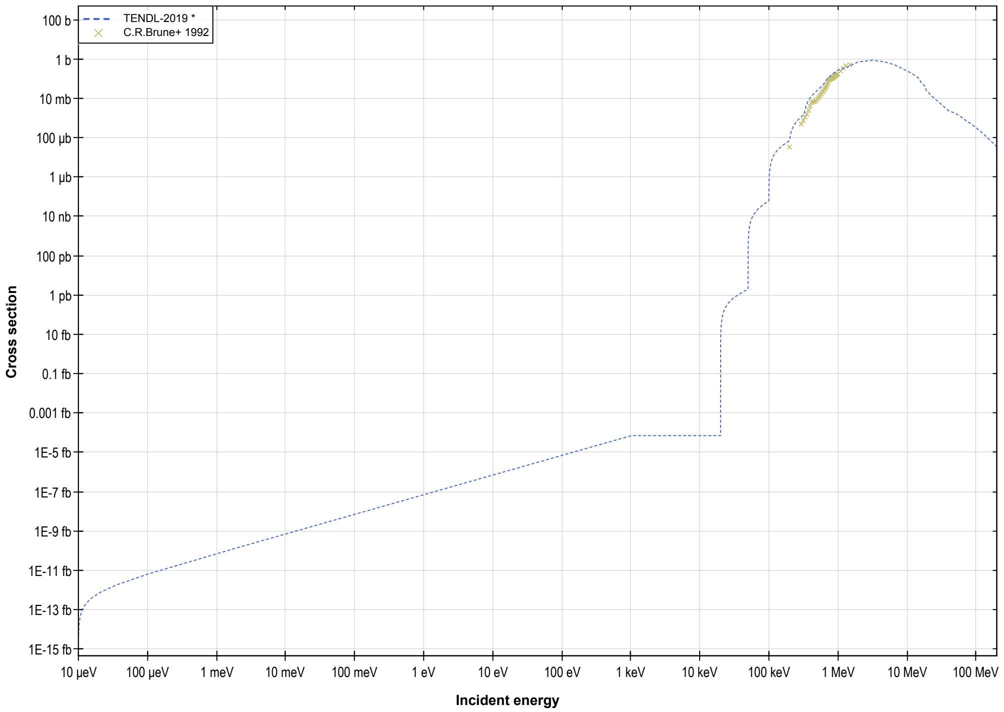
C13 (d,p) or C14 production lin-log



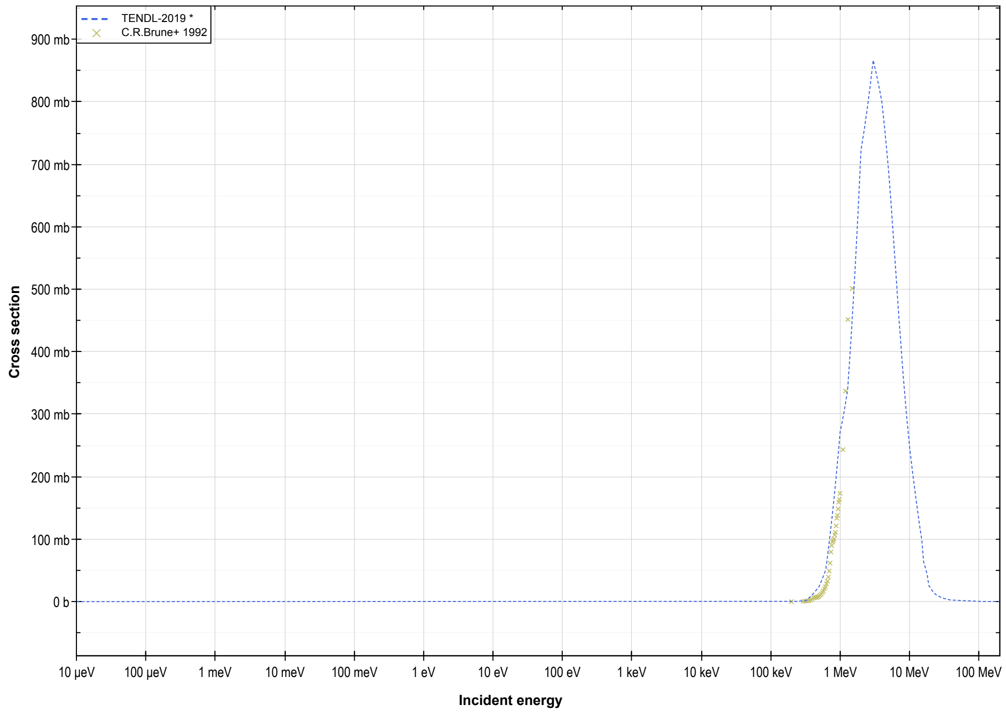
Reaction	Q-Value
C13(d,p)C14	5951.87 keV

<< 6-C-13	**6-C-14**	7-N-14 >>
<< 6-C-13 MT103 (d,p)	**MT4 (d,n) or MT5 (N15 production)**	MT102 (d,γ) >>

C14 (d,n) or N15 production log-log

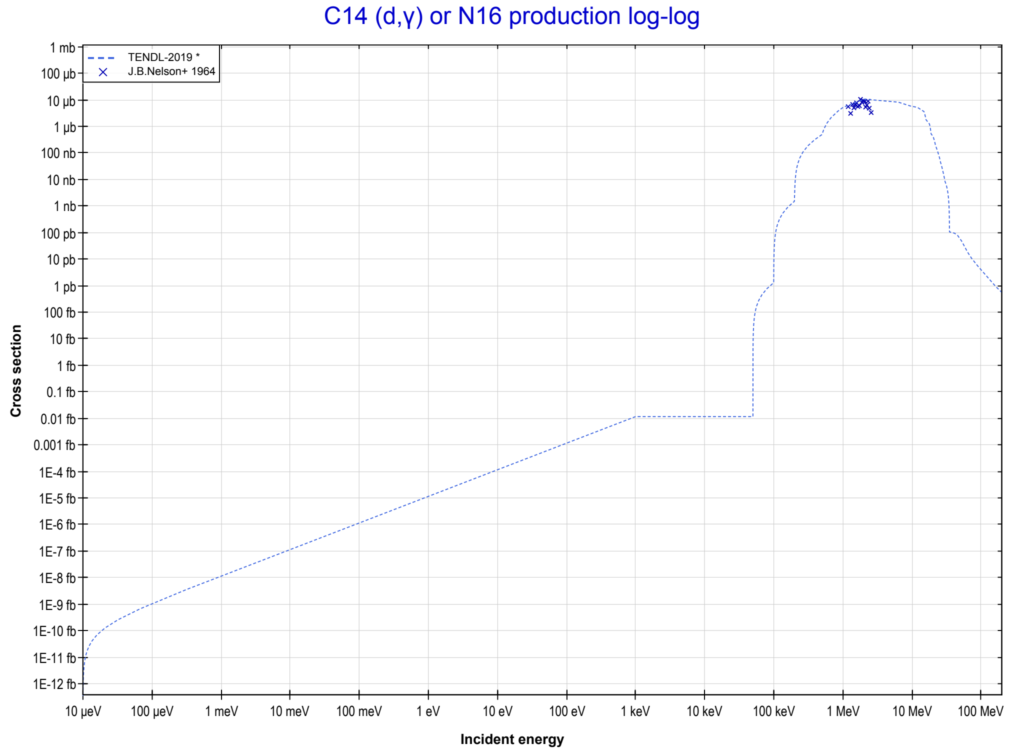


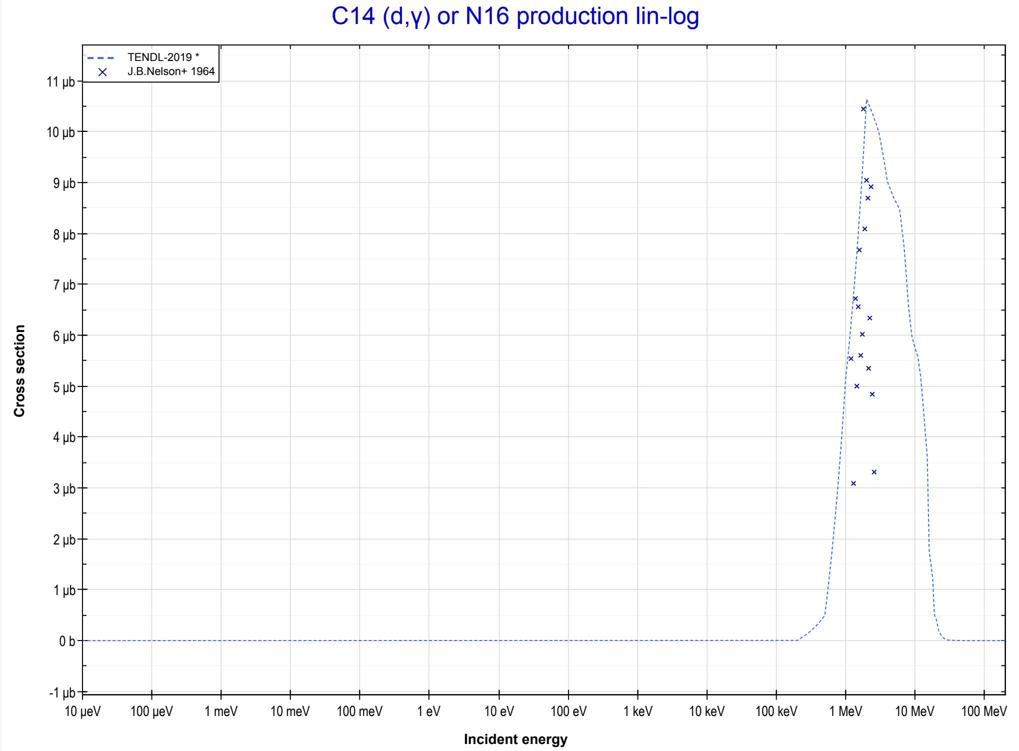
C14 (d,n) or N15 production lin-log



Reaction	Q-Value
C14(d,n)N15	7982.86 keV

<< 4-Be-9	**6-C-14**	8-O-16 >>
<< MT4 (d,n)	**MT102 (d,γ) or MT5 (N16 production)**	MT103 (d,p) >>

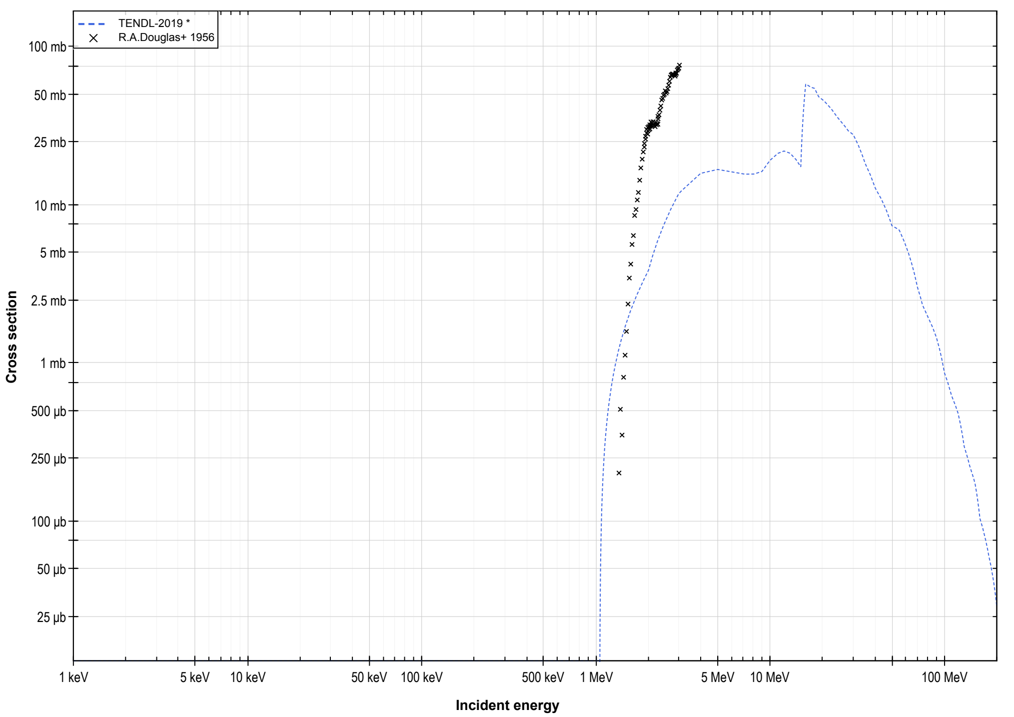




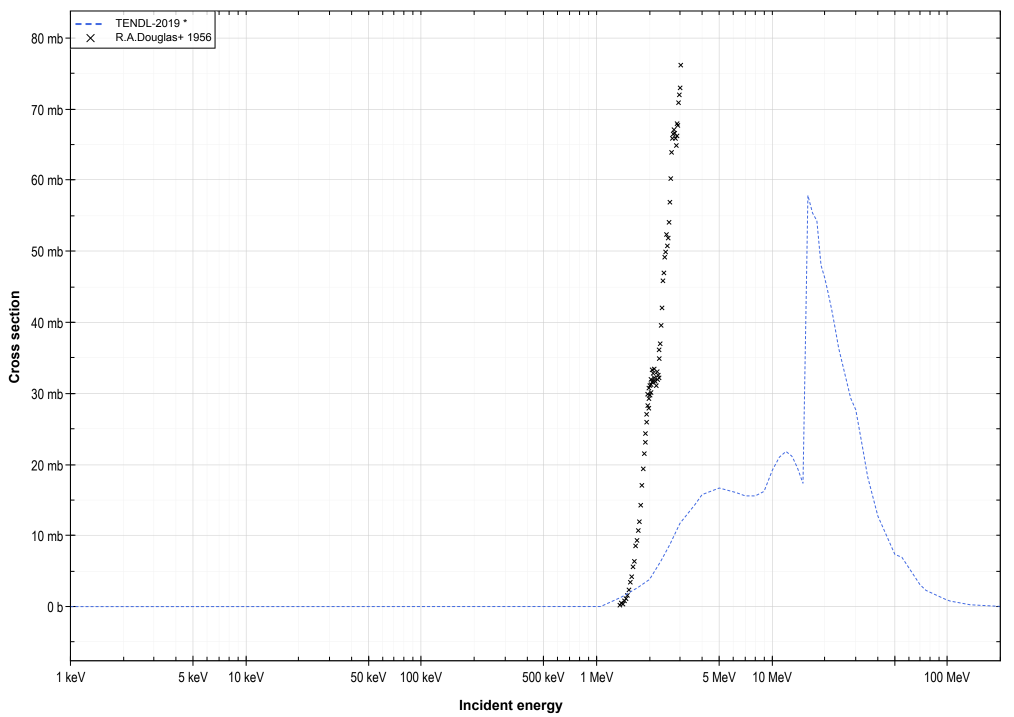
Reaction	Q-Value
C14(d,γ)N16	10471.71 keV

<< 6-C-13	**6-C-14**	7-N-15 >>
<< MT102 (d,γ)	**MT103 (d,p) or MT5 (C15 production)**	7-N-14 MT4 (d,n) >>

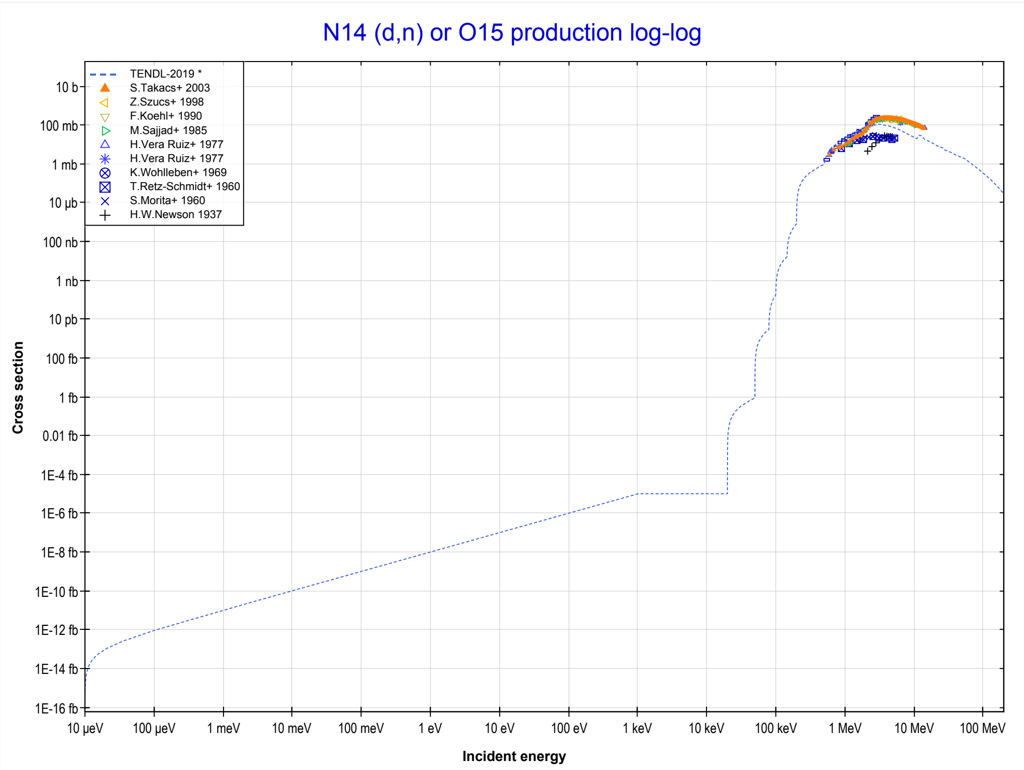
C14 (d,p) or C15 production log-log

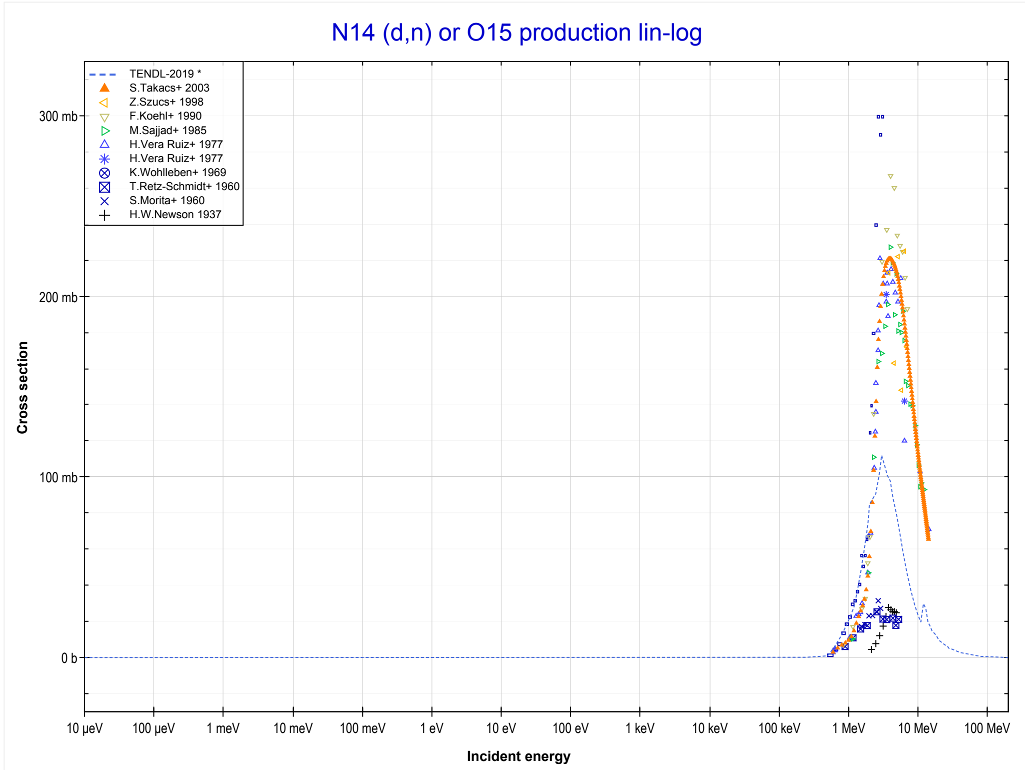


C14 (d,p) or C15 production lin-log



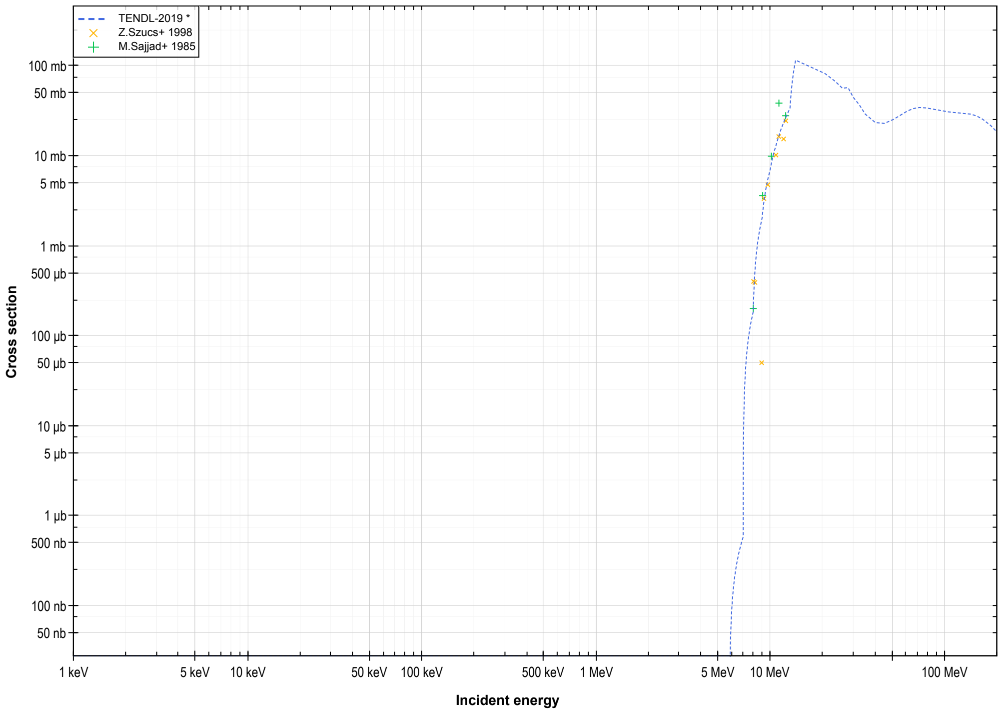
Reaction	Q-Value
C14(d,p)C15	-1006.46 keV



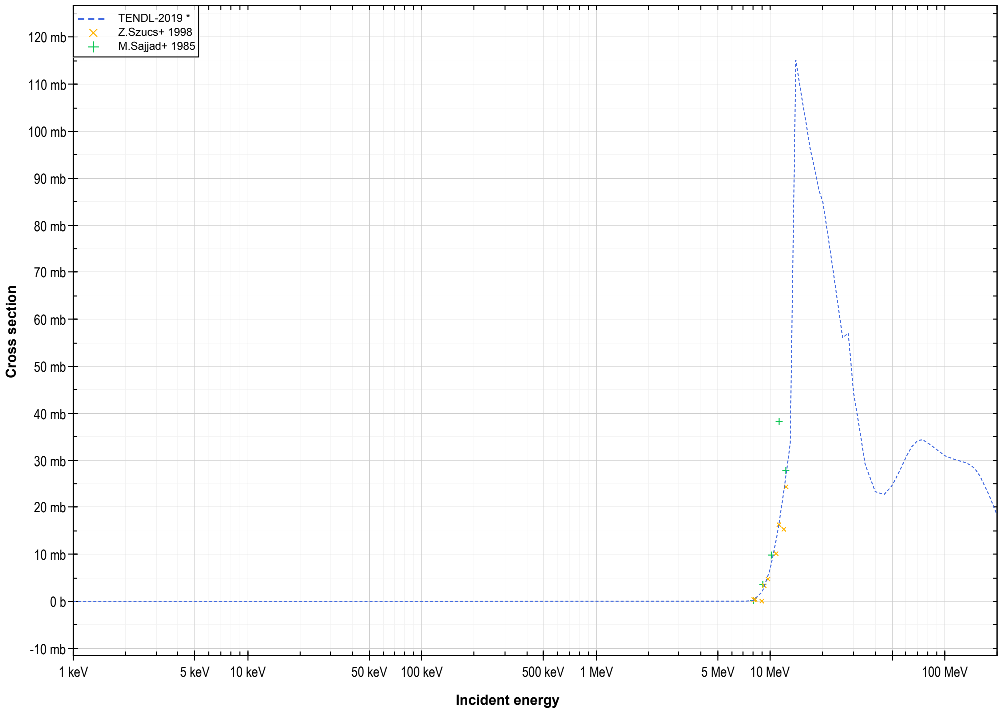


Reaction	Q-Value
N14(d,n)O15	5072.22 keV

N14 (d,n+α) or C11 production log-log

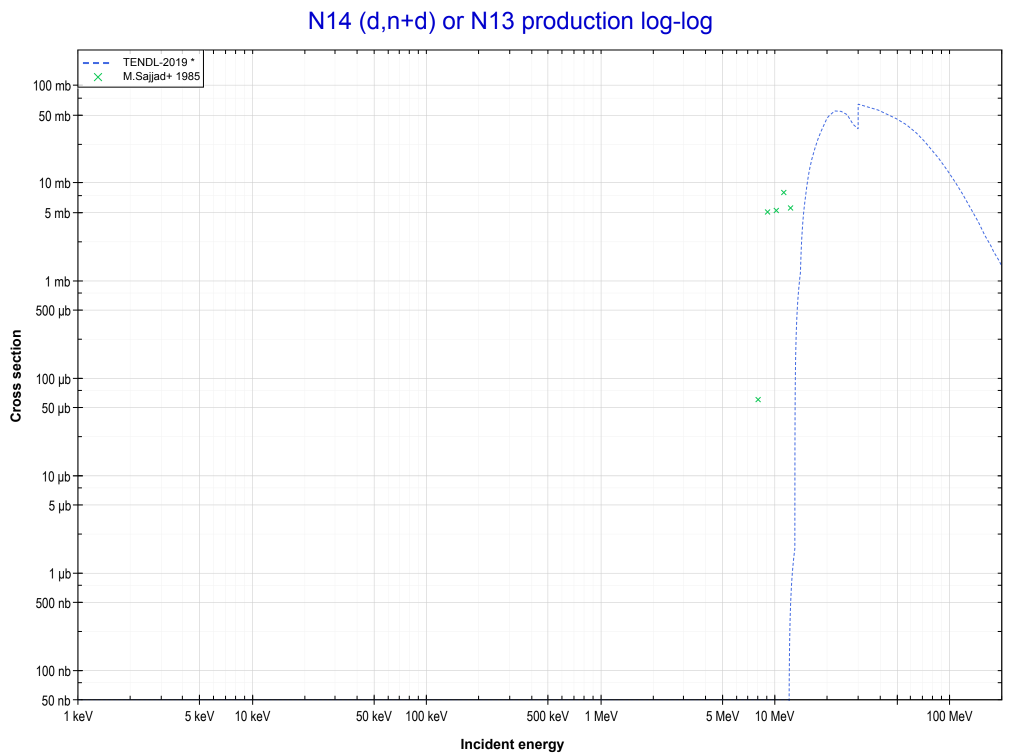


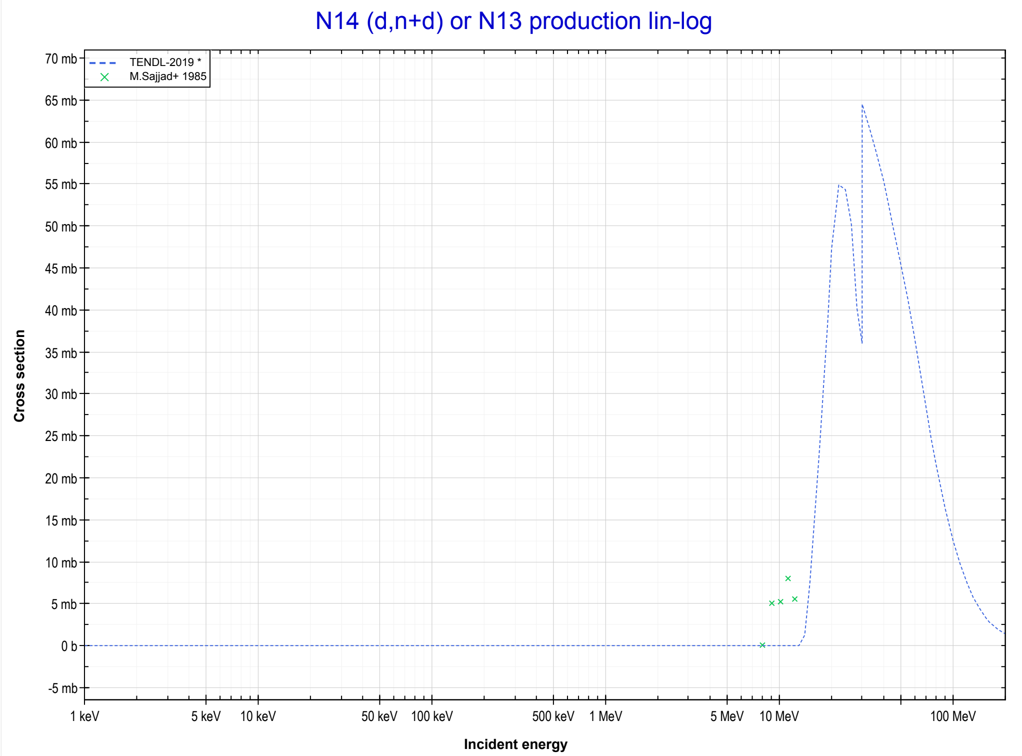
N14 (d,n+α) or C11 production lin-log



Reaction	Q-Value
N14(d,n+α)C11	-5146.49 keV
N14(d,d+t)C11	-22735.79 keV
N14(d,n+p+t)C11	-24960.36 keV
N14(d,2n+He3)C11	-25724.11 keV
N14(d,n+2d)C11	-28993.02 keV
N14(d,2n+p+d)C11	-31217.59 keV
N14(d,3n+2p)C11	-33442.15 keV

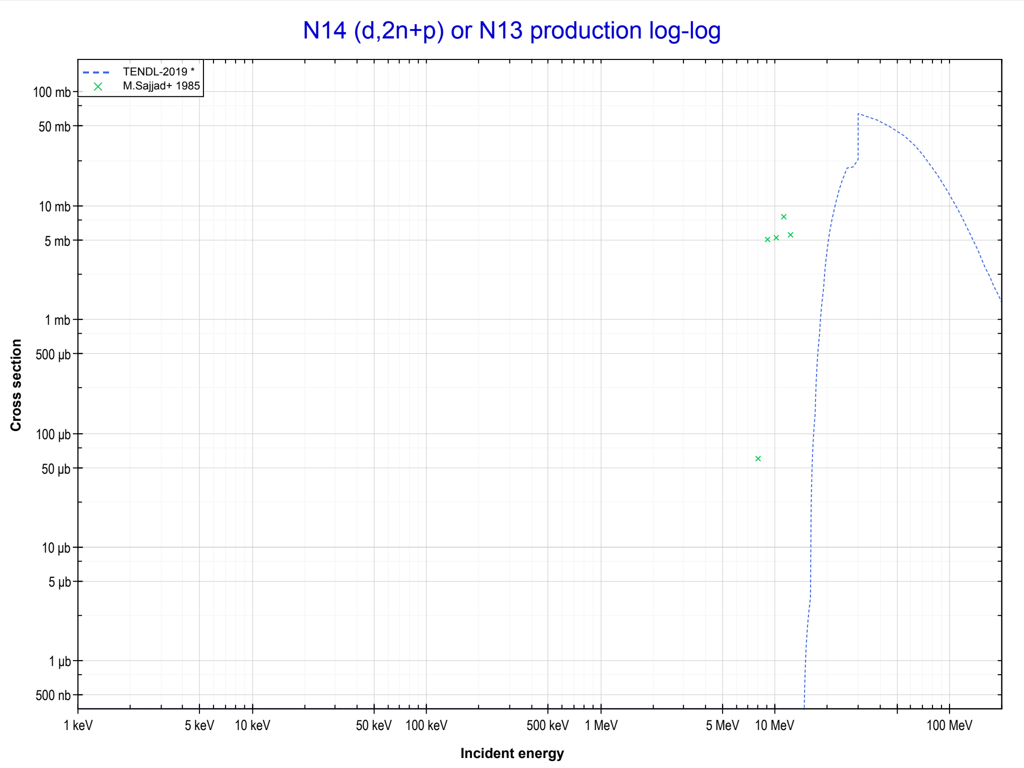
<< 6-C-12	**7-N-14**	11-Na-23 >>
<< MT22 (d,n+α)	**MT32 (d,n+d) or MT5 (N13 production)**	MT41 (d,2n+p) >>

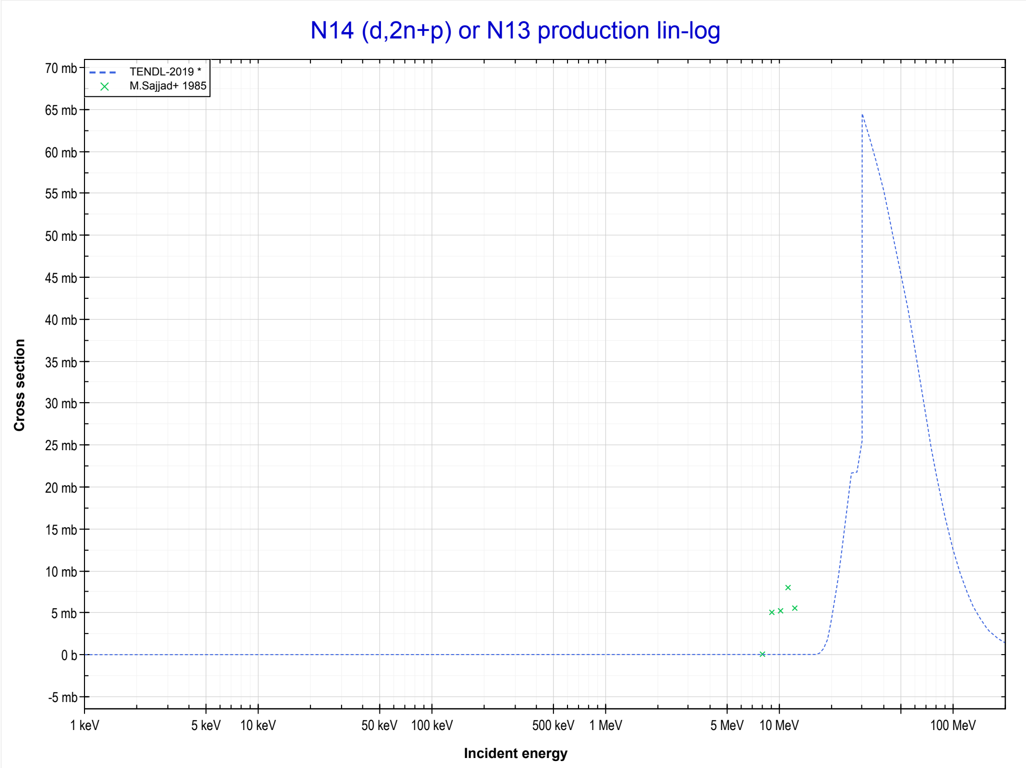




Reaction	Q-Value
N14(d,t)N13	-4296.15 keV
N14(d,n+d)N13	-10553.38 keV
N14(d,2n+p)N13	-12777.95 keV

<< 6-C-12	**7-N-14**	11-Na-23 >>
<< MT32 (d,n+d)	**MT41 (d,2n+p) or MT5 (N13 production)**	MT105 (d,t) >>

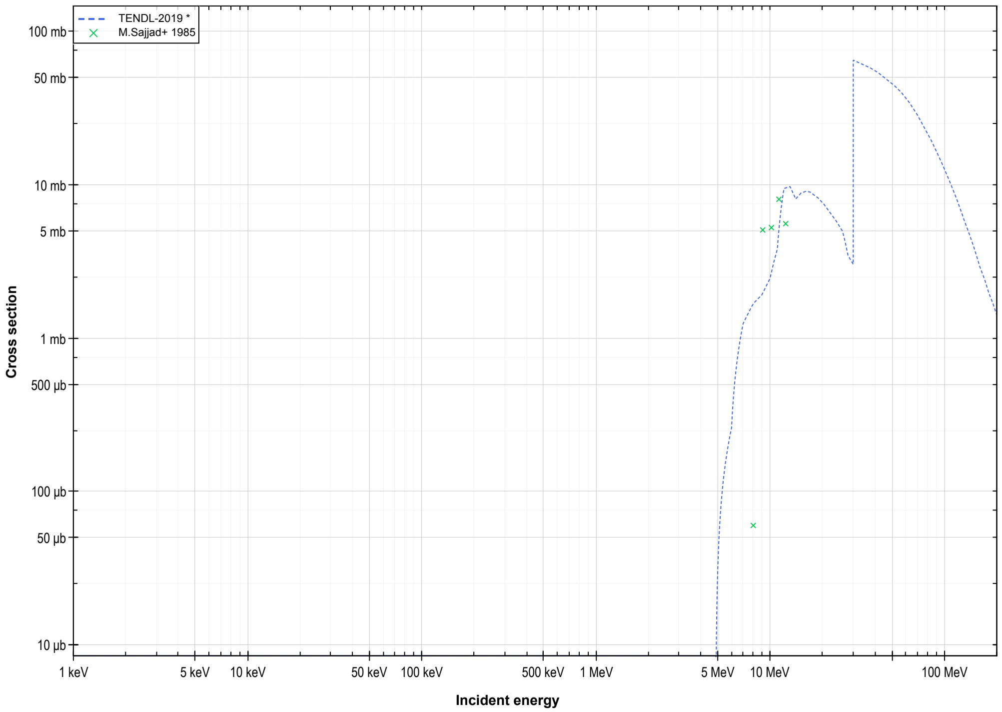




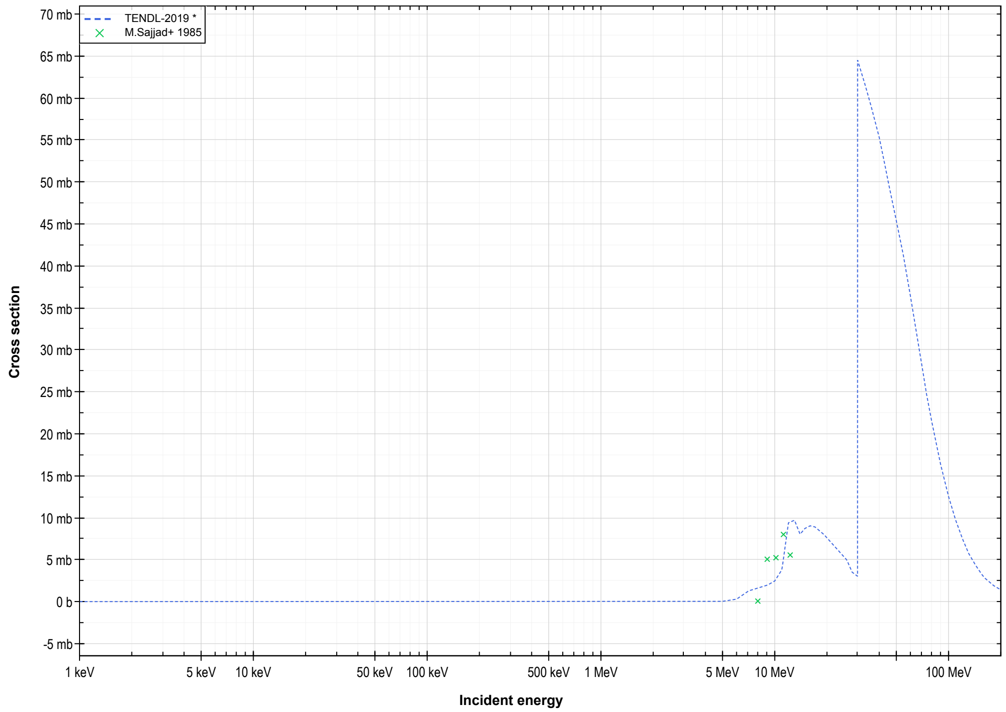
Reaction	Q-Value
N14(d,t)N13	-4296.15 keV
N14(d,n+d)N13	-10553.38 keV
N14(d,2n+p)N13	-12777.95 keV

<< 6-C-12	**7-N-14**	9-F-19 >>
<< MT41 (d,2n+p)	**MT105 (d,t) or MT5 (N13 production)**	7-N-15 MT103 (d,p) >>

N14 (d,t) or N13 production log-log

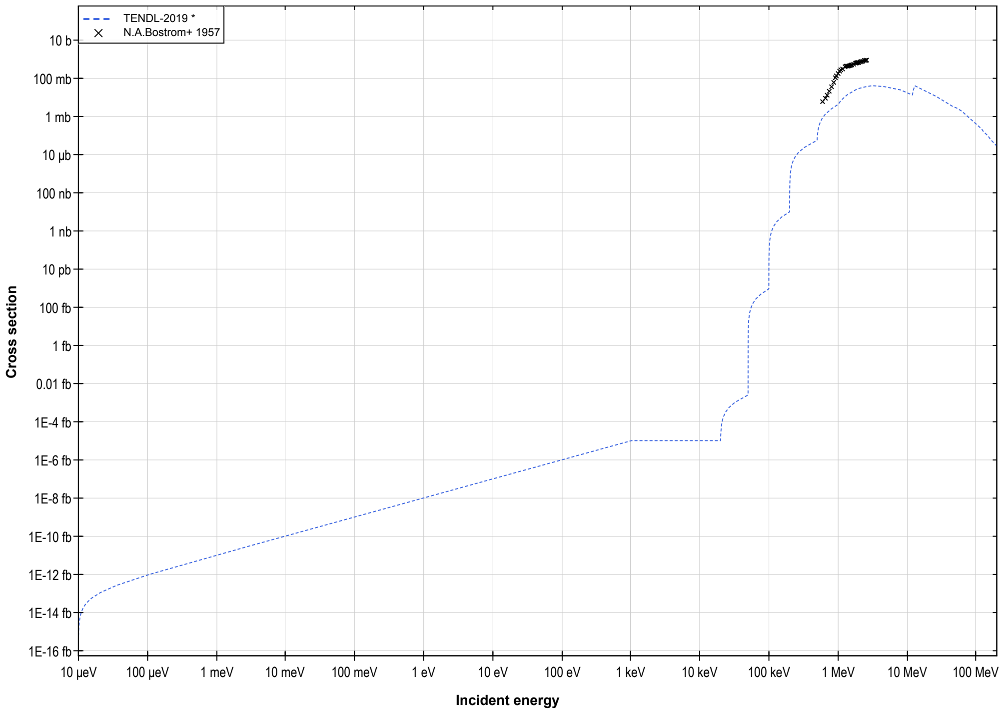


N14 (d,t) or N13 production lin-log

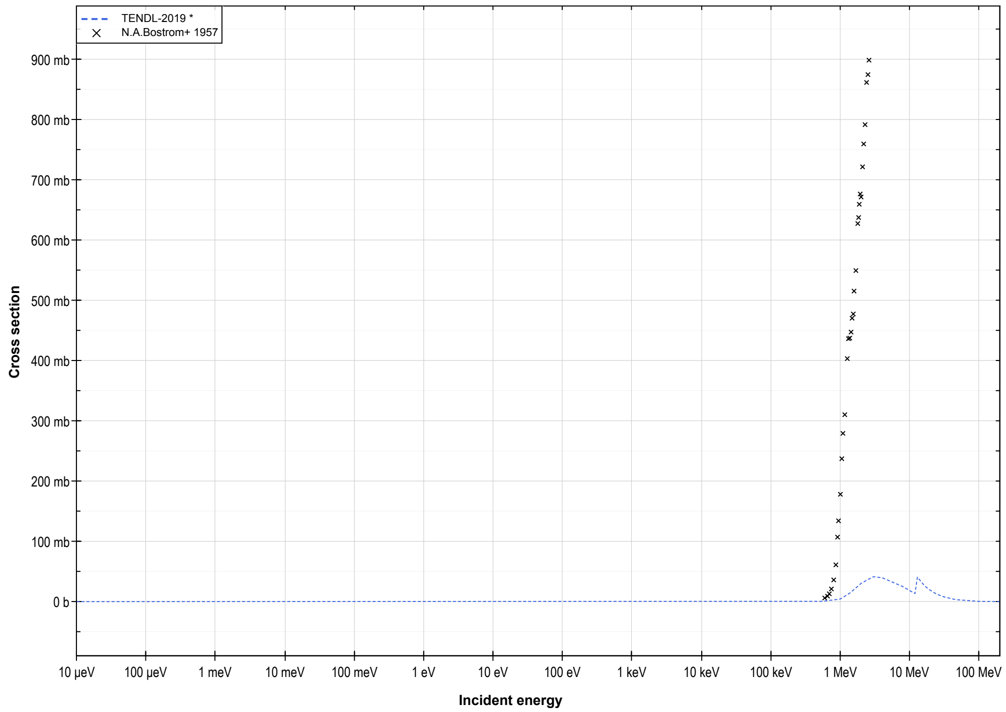


Reaction	Q-Value
N14(d,t)N13	-4296.15 keV
N14(d,n+d)N13	-10553.38 keV
N14(d,2n+p)N13	-12777.95 keV

N15 (d,p) or N16 production log-log

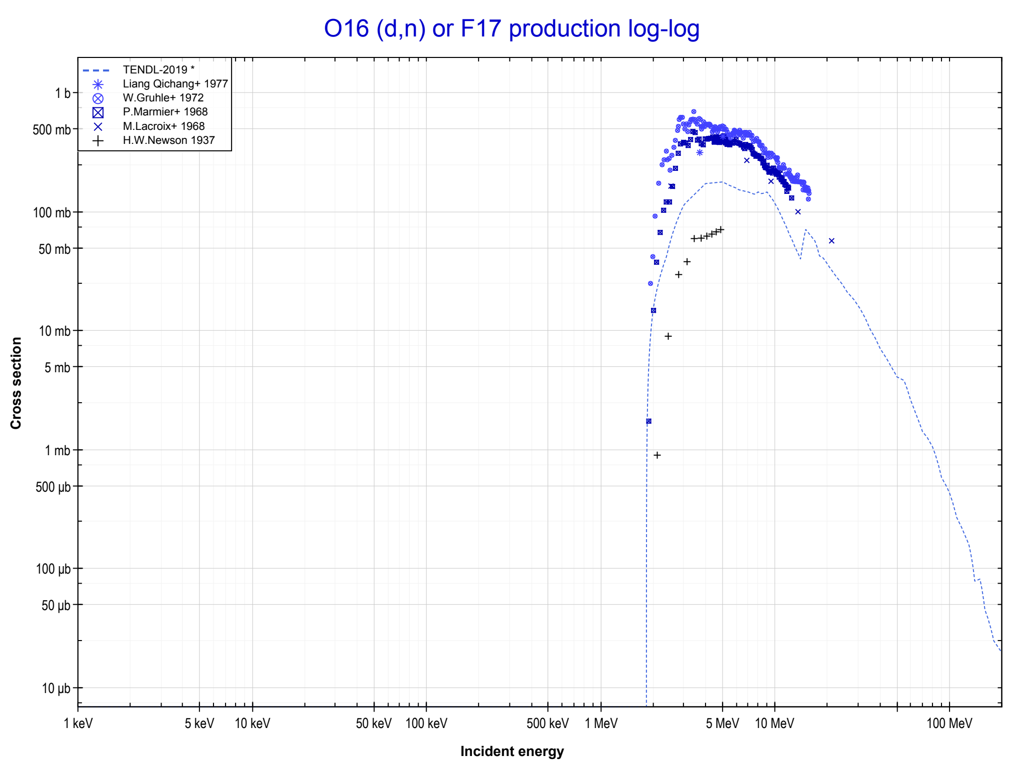


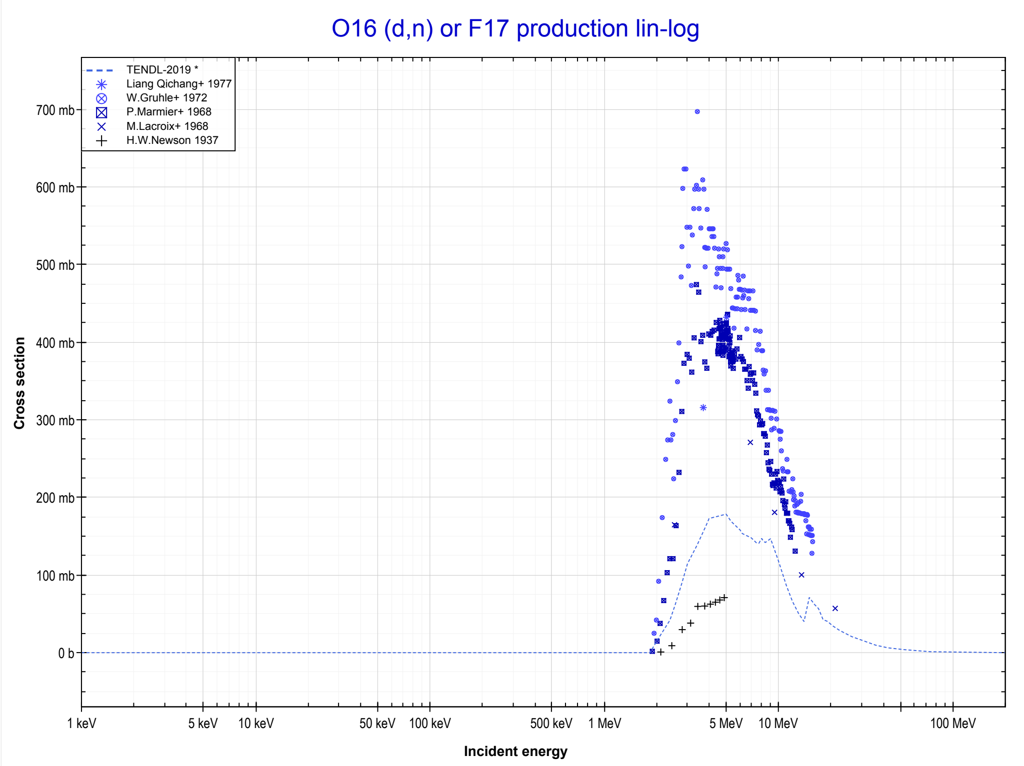
N15 (d,p) or N16 production lin-log



Reaction	Q-Value
N15(d,p)N16	264.29 keV

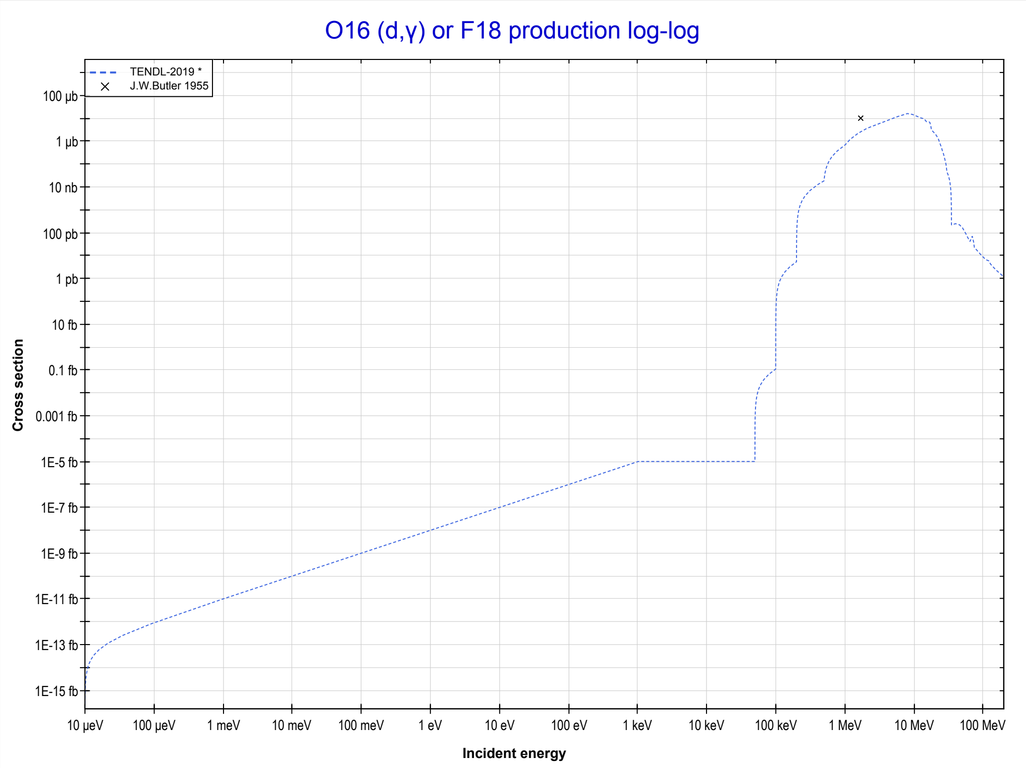
<< 7-N-14	**8-O-16**	10-Ne-20 >>
<< 7-N-15 MT103 (d,p)	**MT4 (d,n) or MT5 (F17 production)**	MT102 (d,γ) >>

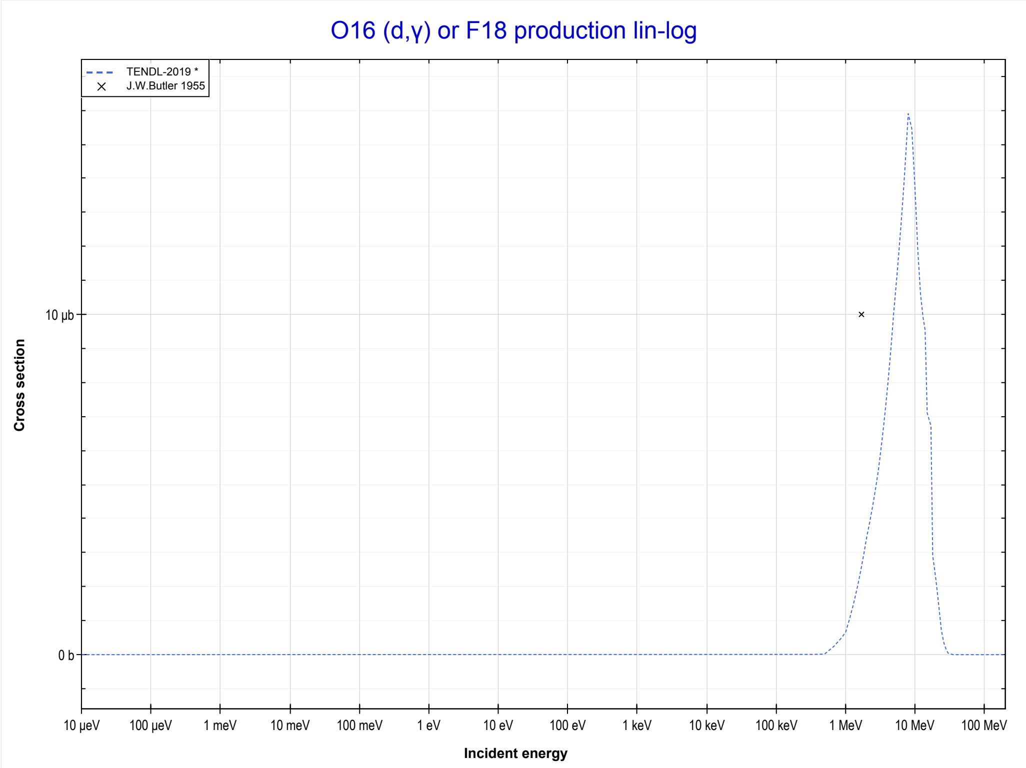




Reaction	Q-Value
O16(d,n)F17	-1624.30 keV

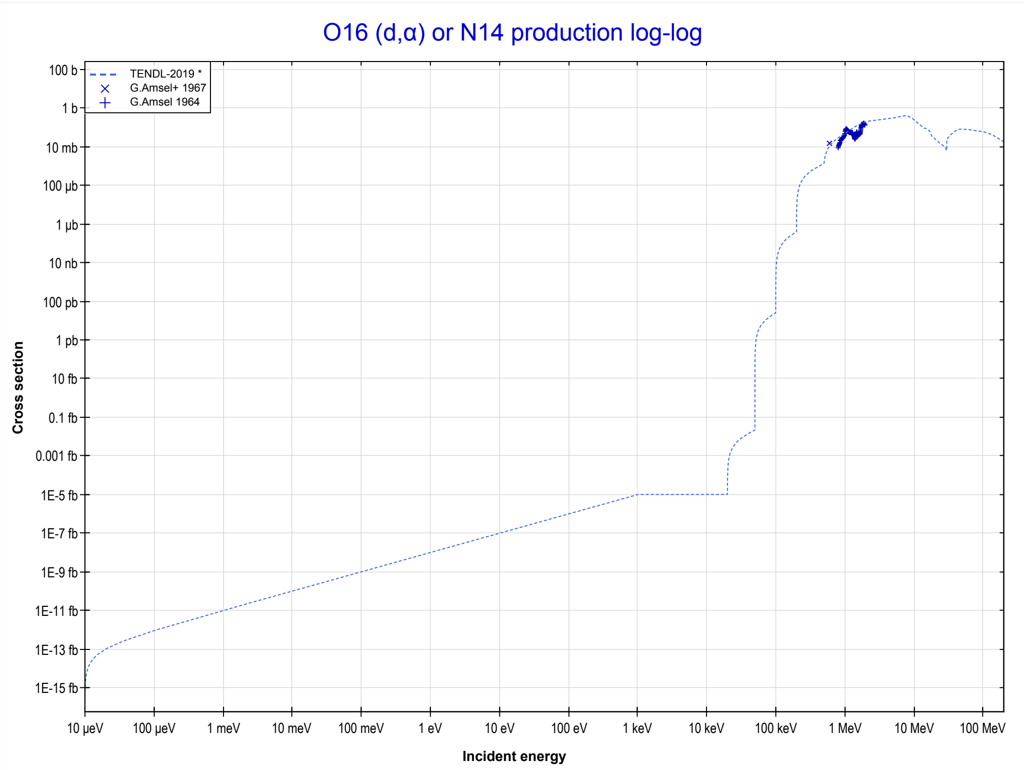
<< 6-C-14	**8-O-16**	14-Si-30 >>
<< MT4 (d,n)	**MT102 (d,γ) or MT5 (F18 production)**	MT107 (d,α) >>

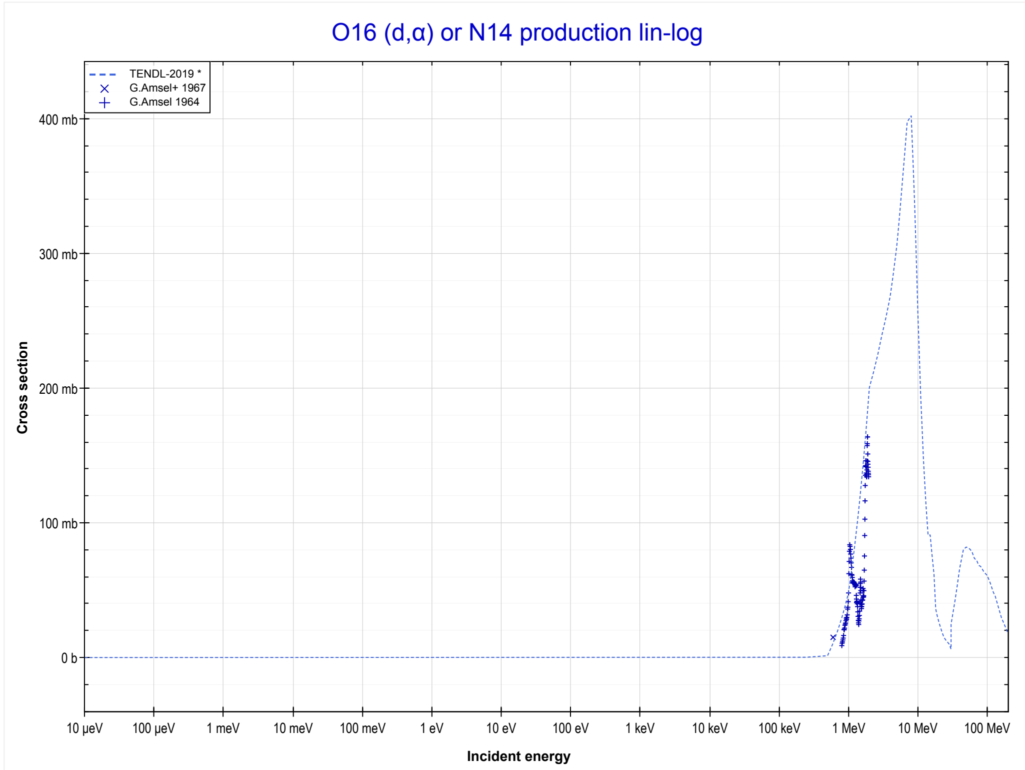




Reaction	Q-Value
O16(d,γ)F18	7525.62 keV

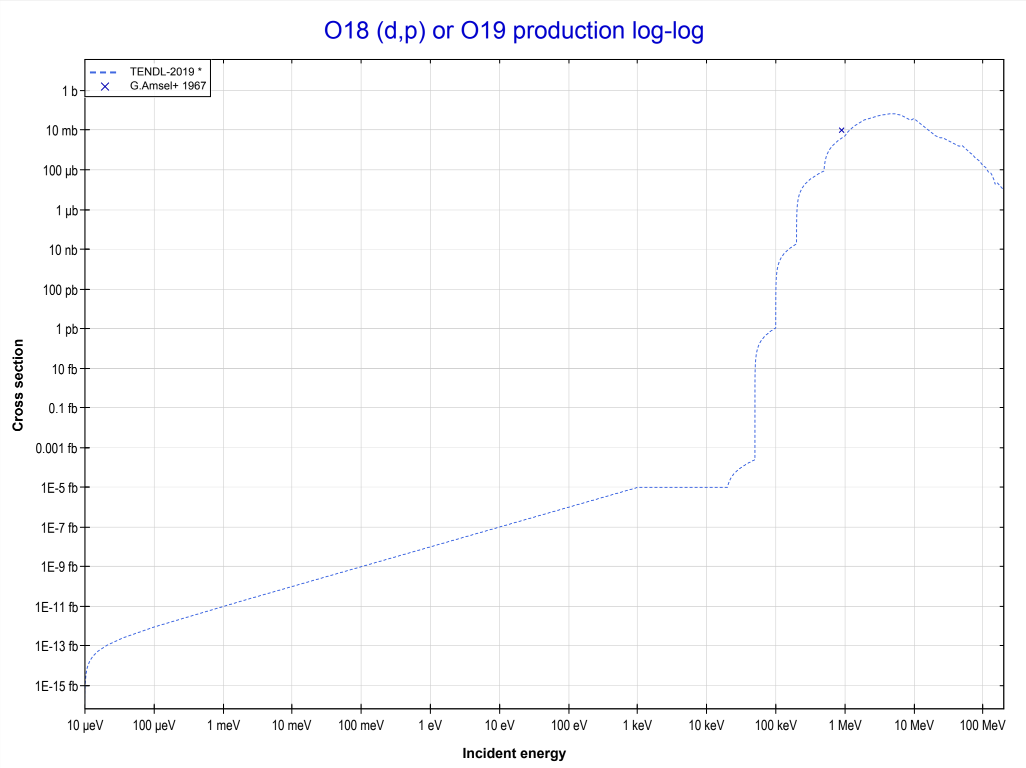
<< 6-C-12	**8-O-16**	8-O-18 >>
<< MT102 (d,γ)	**MT107 (d,α) or MT5 (N14 production)**	8-O-18 MT103 (d,p) >>

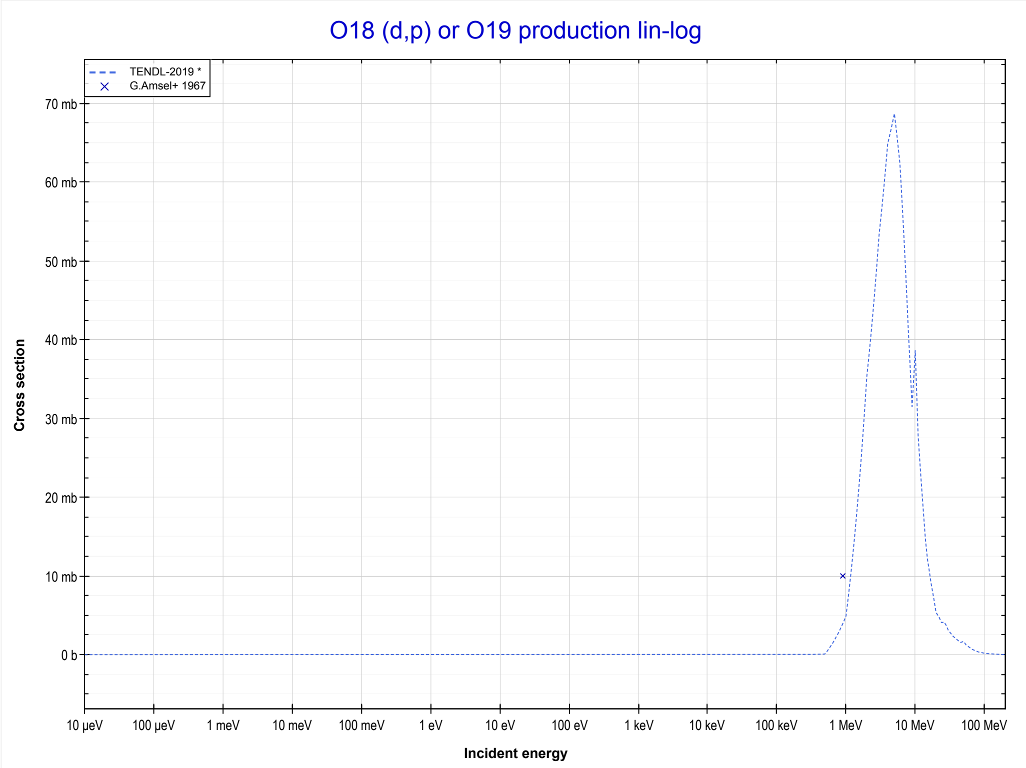




Reaction	Q-Value
O16(d,α)N14	3110.39 keV
O16(d,p+t)N14	-16703.48 keV
O16(d,n+He3)N14	-17467.23 keV
O16(d,2d)N14	-20736.14 keV
O16(d,n+p+d)N14	-22960.71 keV
O16(d,2n+2p)N14	-25185.27 keV

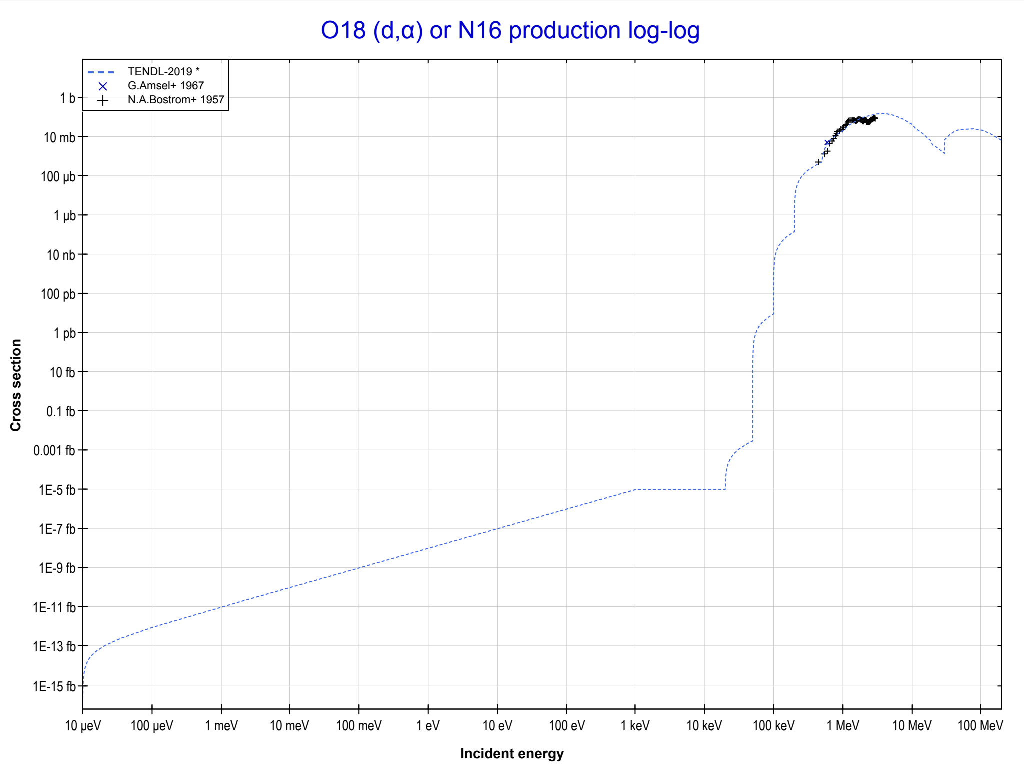
<< 7-N-15	**8-O-18**	9-F-19 >>
<< 8-O-16 MT107 (d,α)	**MT103 (d,p) or MT5 (O19 production)**	MT107 (d,α) >>

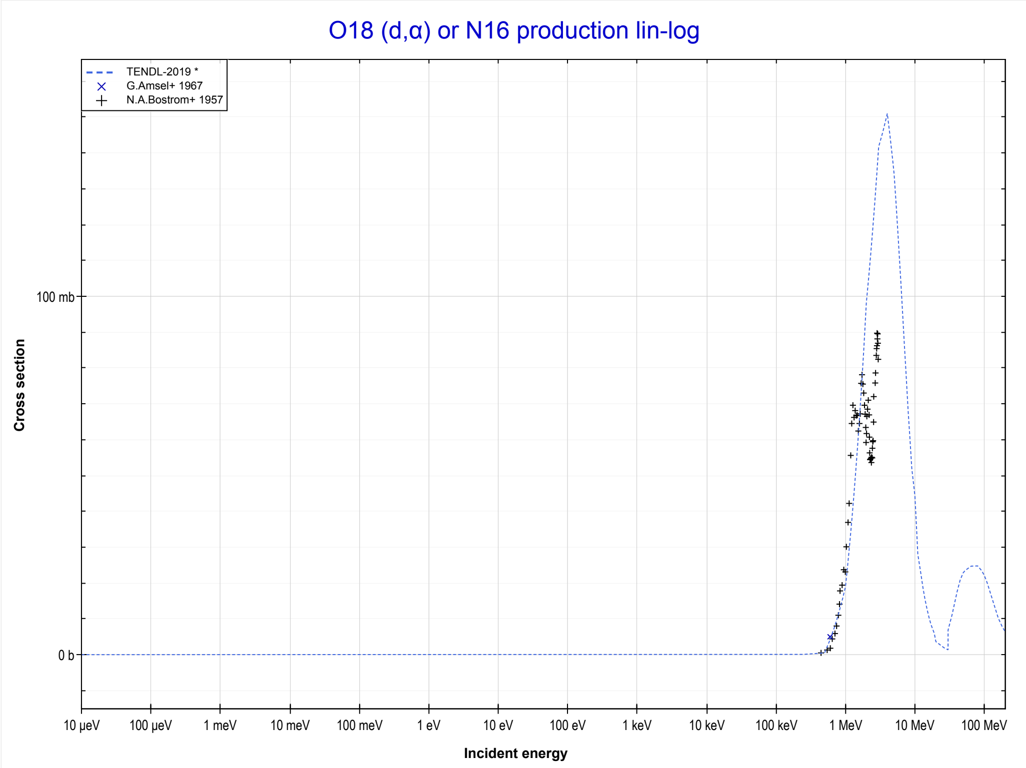




Reaction	Q-Value
O18(d,p)O19	1731.04 keV

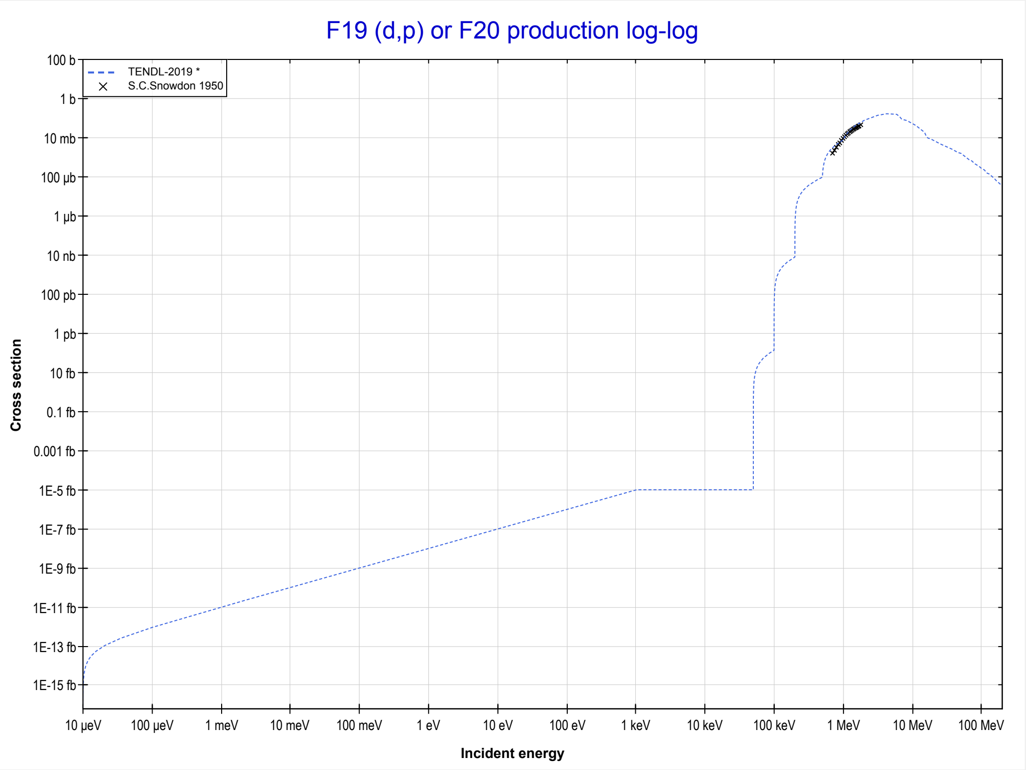
<< 8-O-16	**8-O-18**	10-Ne-20 >>
<< MT103 (d,p)	**MT107 (d,α) or MT5 (N16 production)**	9-F-19 MT103 (d,p) >>

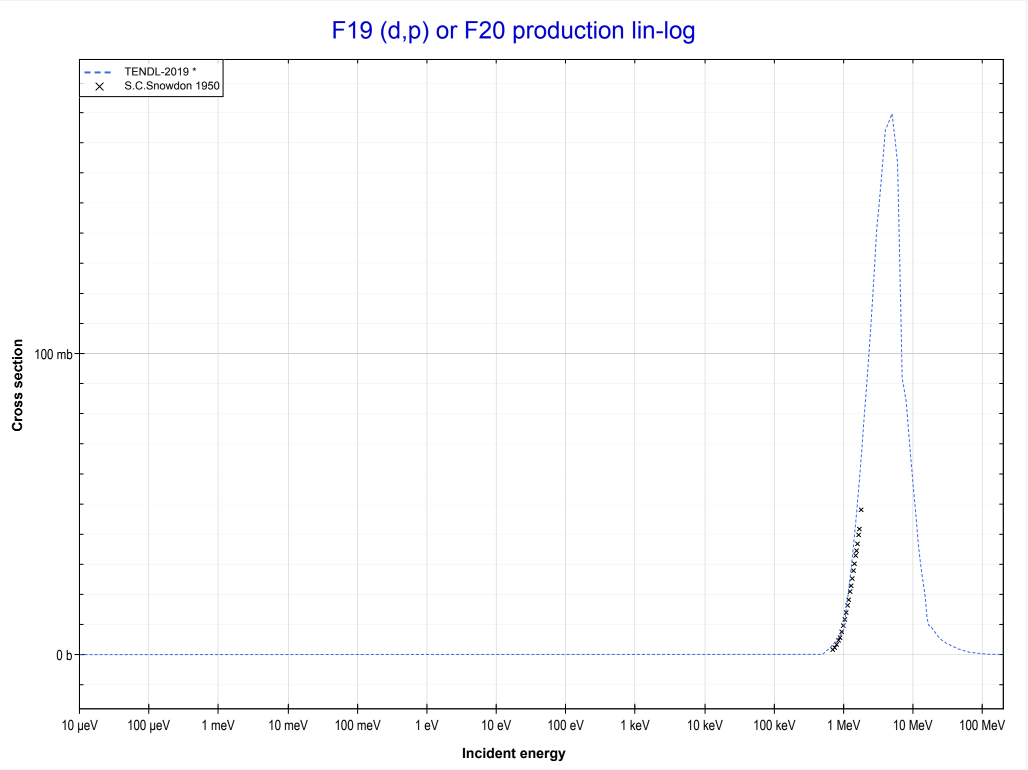




Reaction	Q-Value
O18(d,α)N16	4244.09 keV
O18(d,p+t)N16	-15569.77 keV
O18(d,n+He3)N16	-16333.53 keV
O18(d,2d)N16	-19602.44 keV
O18(d,n+p+d)N16	-21827.00 keV
O18(d,2n+2p)N16	-24051.57 keV

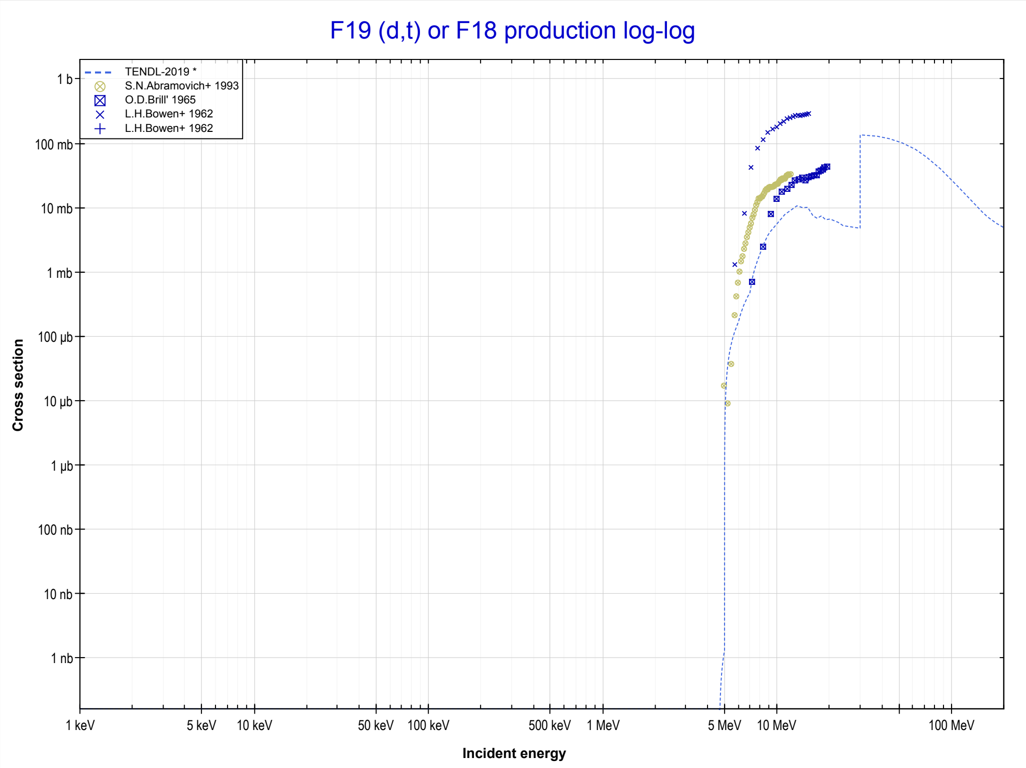
<< 8-O-18	**9-F-19**	10-Ne-22 >>
<< 8-O-18 MT107 (d,α)	**MT103 (d,p) or MT5 (F20 production)**	MT105 (d,t) >>

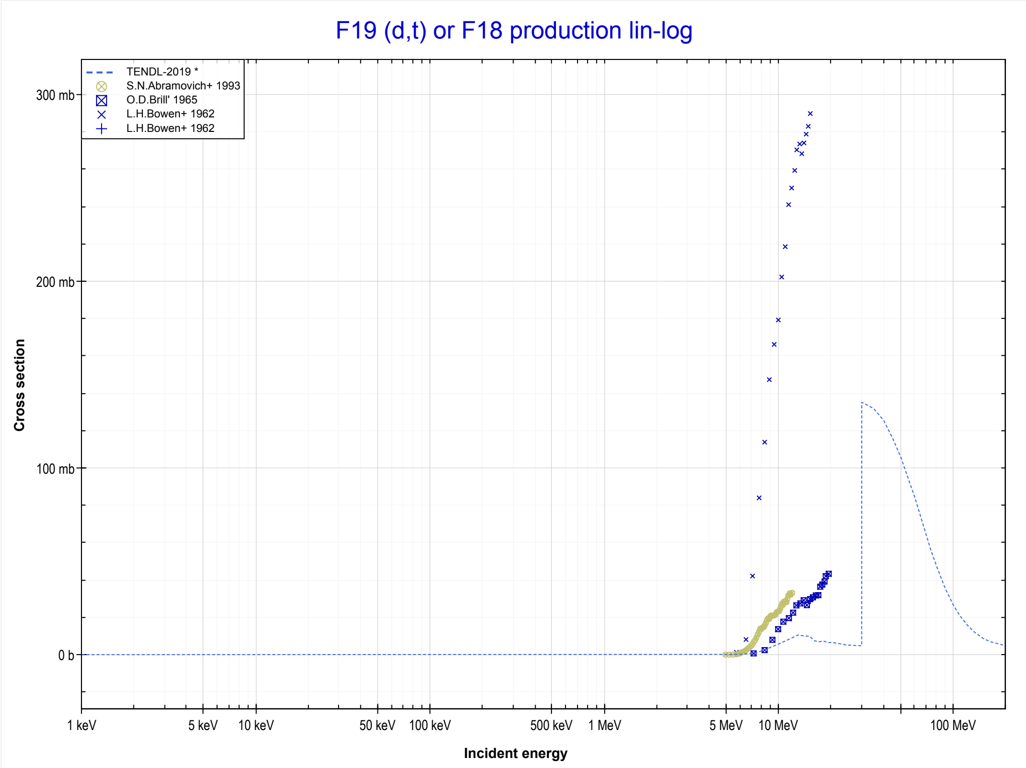




Reaction	Q-Value
F19(d,p)F20	4376.77 keV

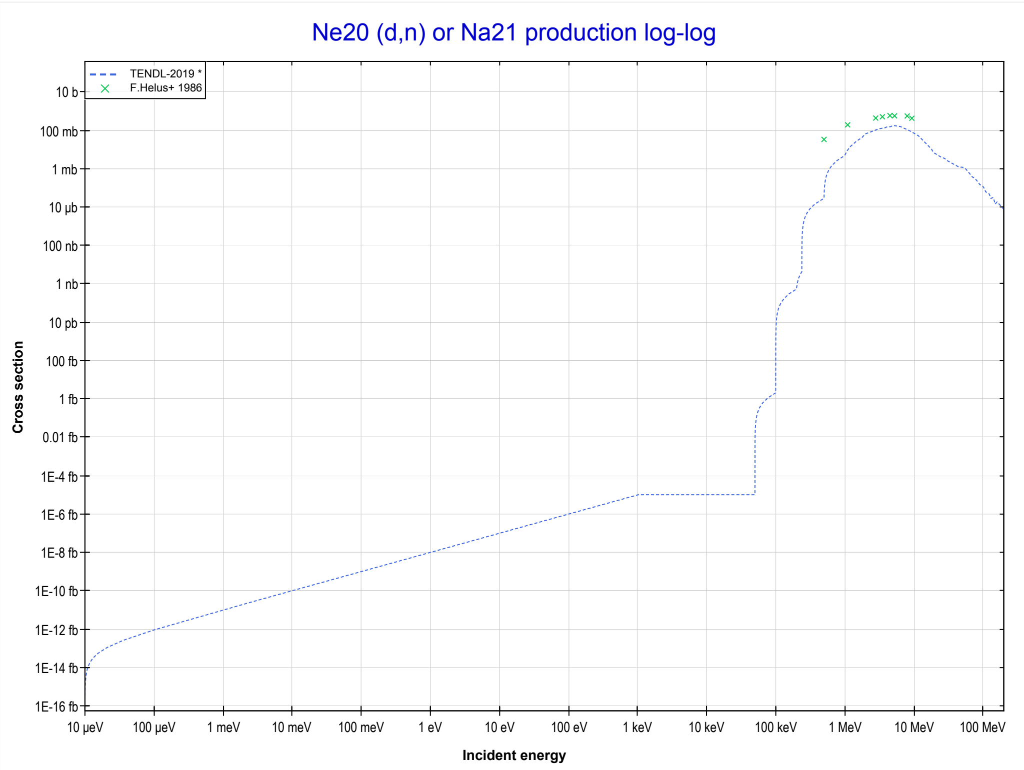
<< 7-N-14	**9-F-19**	11-Na-23 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (F18 production)**	10-Ne-20 MT4 (d,n) >>

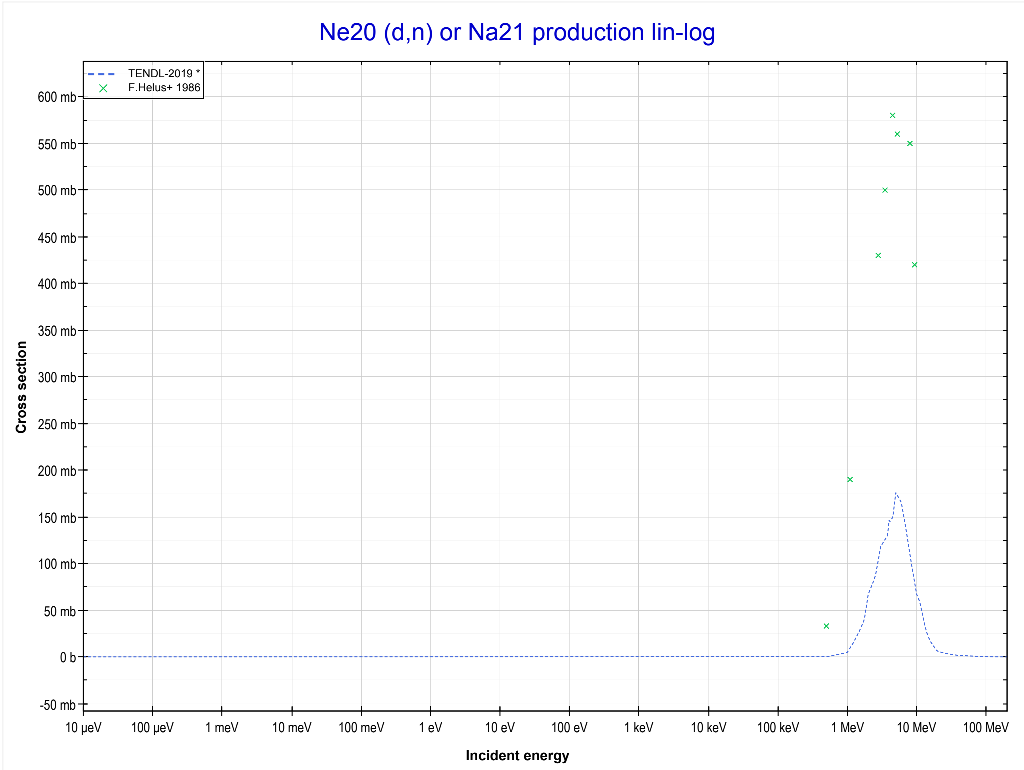




Reaction	Q-Value
F19(d,t)F18	-4174.63 keV
F19(d,n+d)F18	-10431.86 keV
F19(d,2n+p)F18	-12656.43 keV

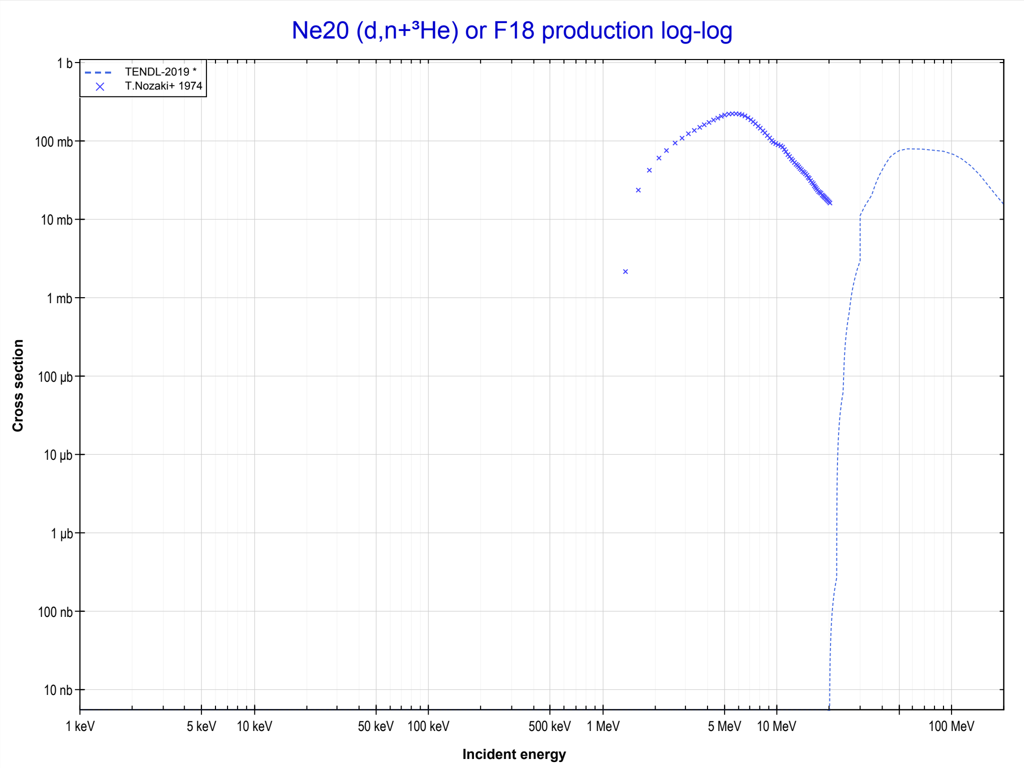
<< 8-O-16	**10-Ne-20**	20-Ca-42 >>
<< 9-F-19 MT105 (d,t)	**MT4 (d,n) or MT5 (Na21 production)**	MT34 (d,n+³He) >>

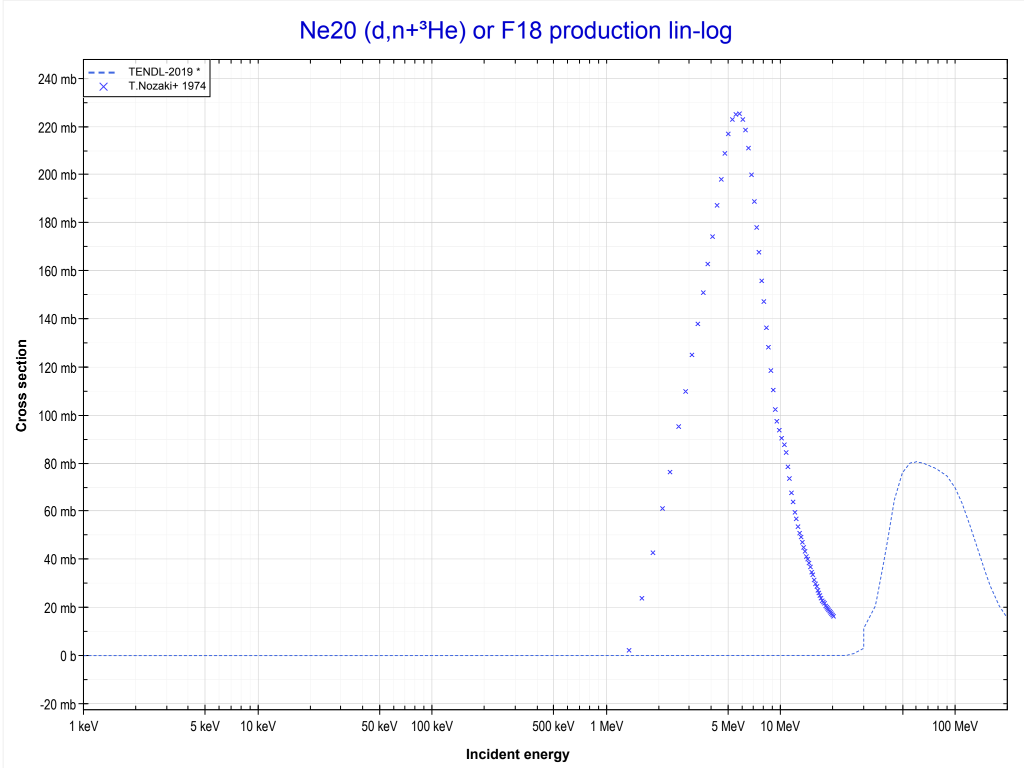




Reaction	Q-Value
Ne20(d,n)Na21	207.10 keV

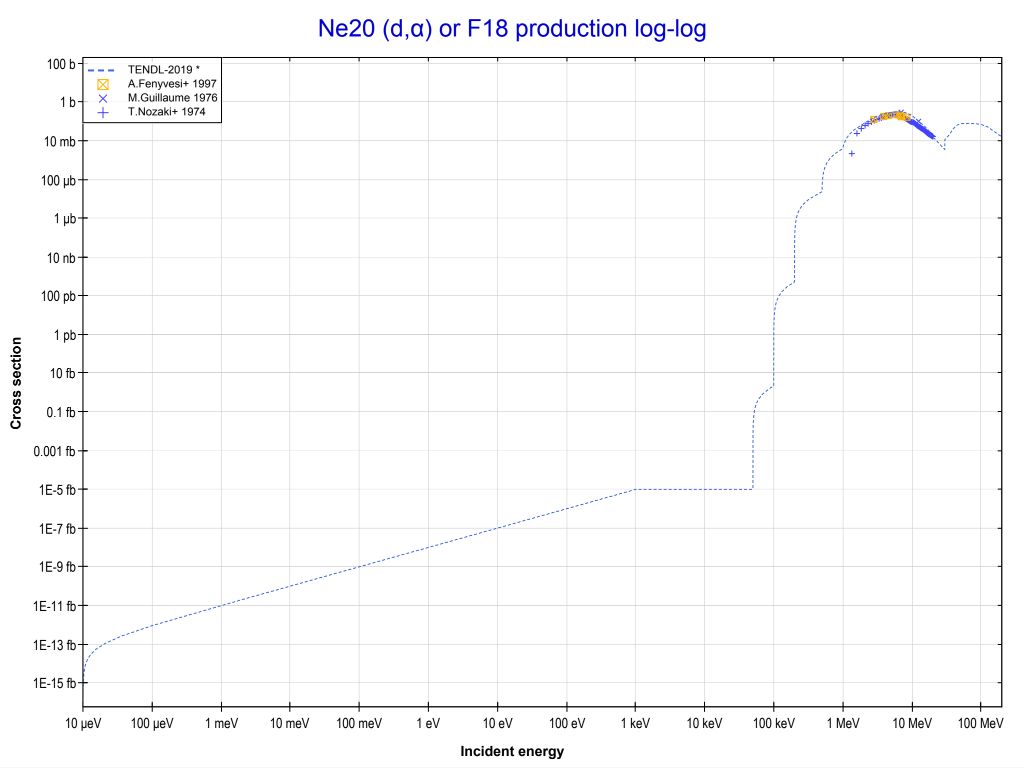
	10-Ne-20	40-Zr-90 >>
<< MT4 (d,n)	**MT34 (d,n+³He) or MT5 (F18 production)**	MT107 (d,α) >>

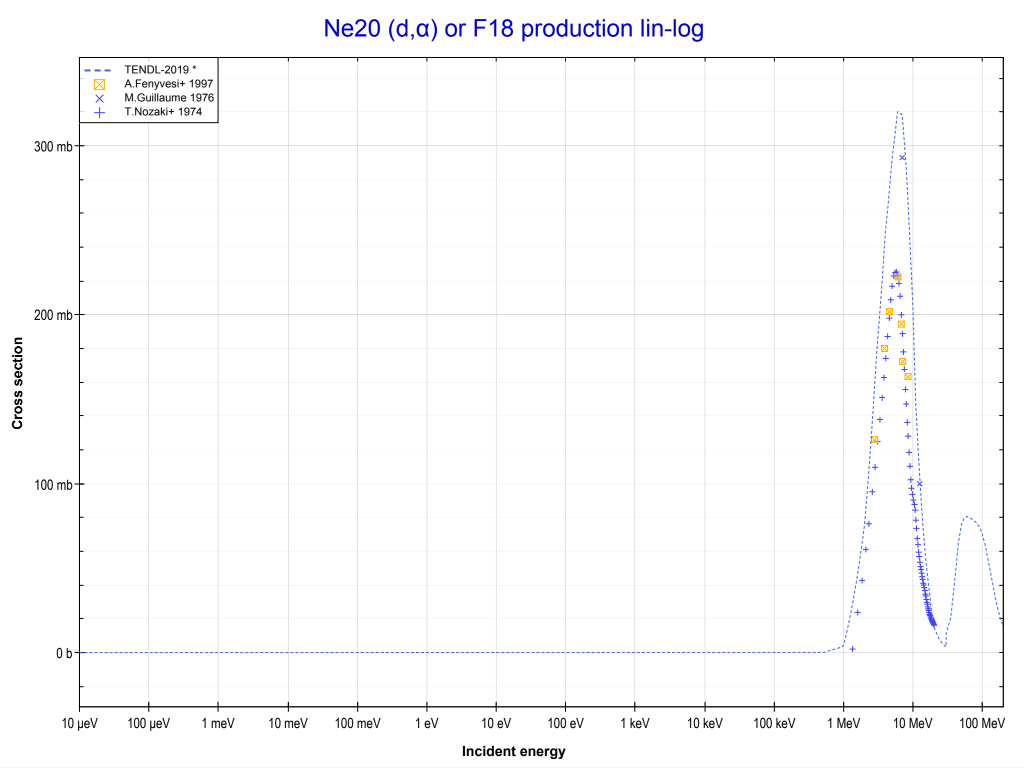




Reaction	Q-Value
Ne20(d,α)F18	2795.78 keV
Ne20(d,p+t)F18	-17018.09 keV
Ne20(d,n+He3)F18	-17781.84 keV
Ne20(d,2d)F18	-21050.75 keV
Ne20(d,n+p+d)F18	-23275.32 keV
Ne20(d,2n+2p)F18	-25499.88 keV

<< 8-O-18	**10-Ne-20**	12-Mg-24 >>
<< MT34 (d,n+³He)	**MT107 (d,α) or MT5 (F18 production)**	MT116 (d,p+t) >>

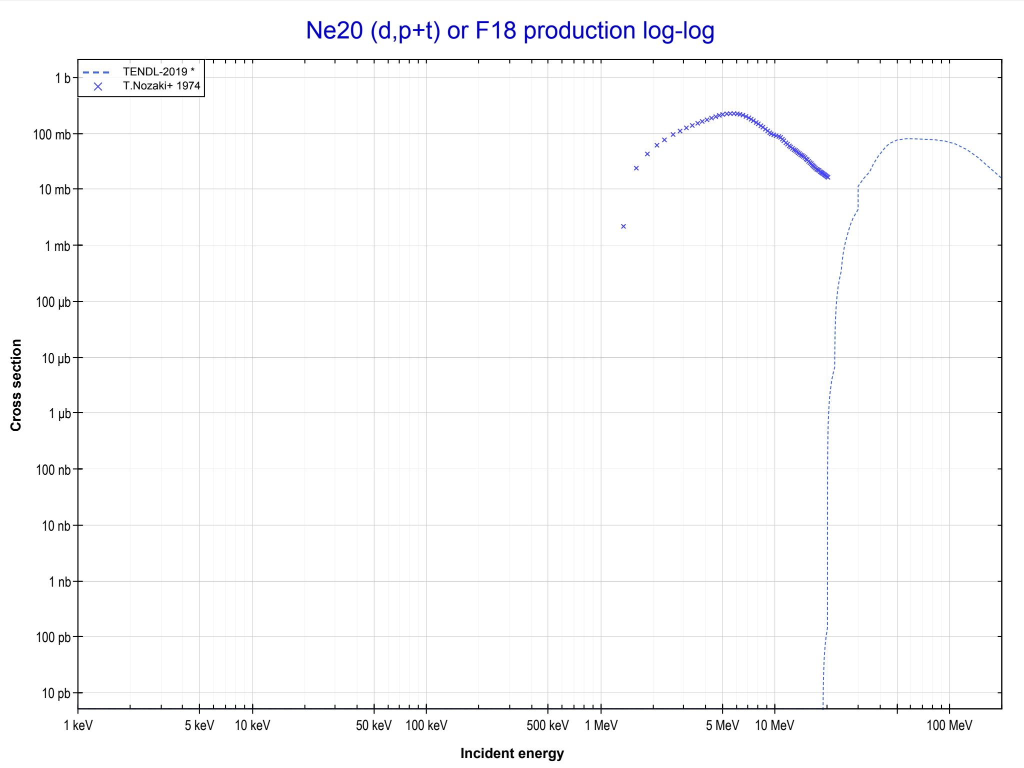




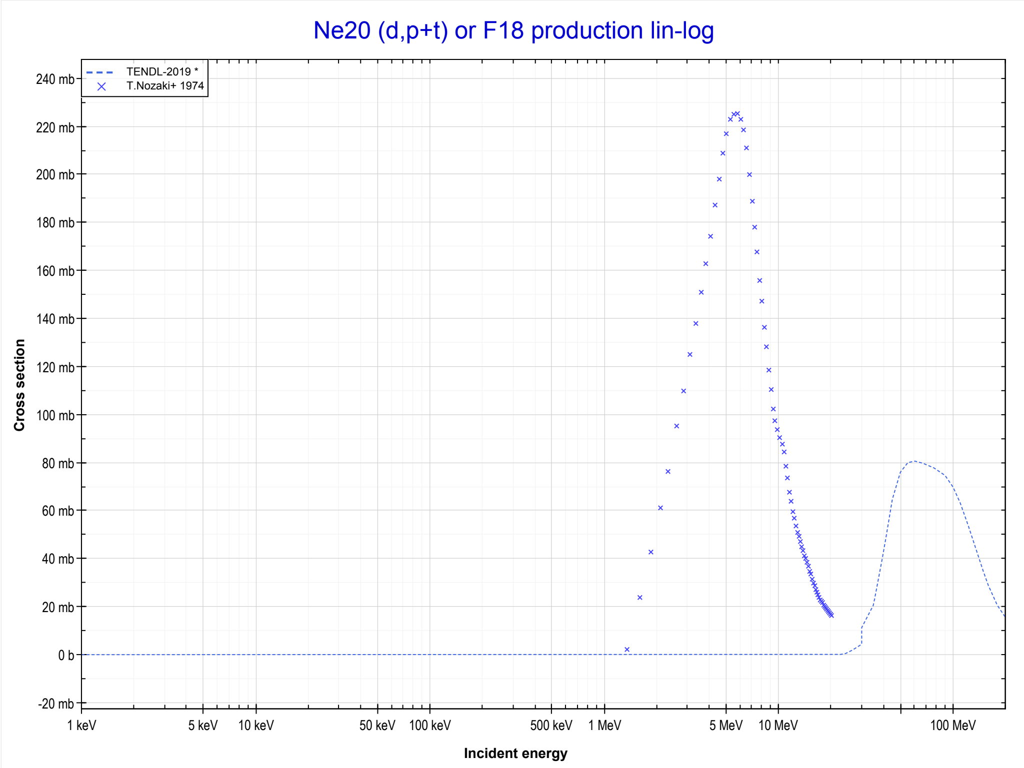
Reaction	Q-Value
Ne20(d,α)F18	2795.78 keV
Ne20(d,p+t)F18	-17018.09 keV
Ne20(d,n+He3)F18	-17781.84 keV
Ne20(d,2d)F18	-21050.75 keV
Ne20(d,n+p+d)F18	-23275.32 keV
Ne20(d,2n+2p)F18	-25499.88 keV

	10-Ne-20	40-Zr-90 >>
<< MT107 (d,α)	**MT116 (d,p+t) or MT5 (F18 production)**	MT183 (d,n+p+d) >>

Ne20 (d,p+t) or F18 production log-log

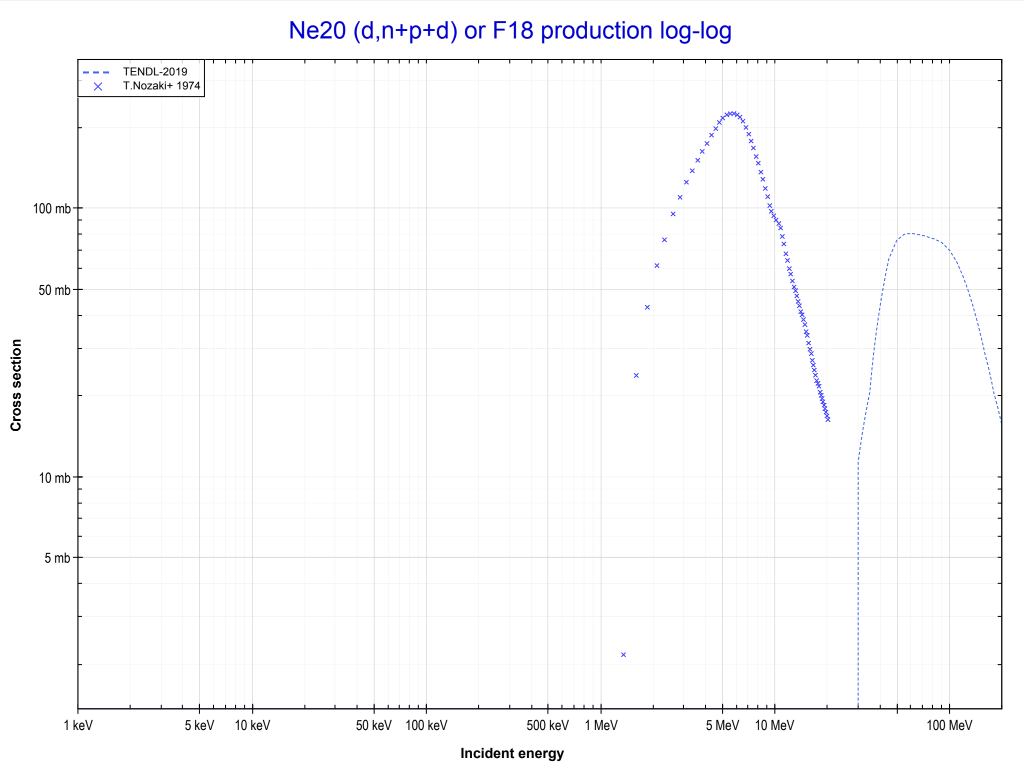


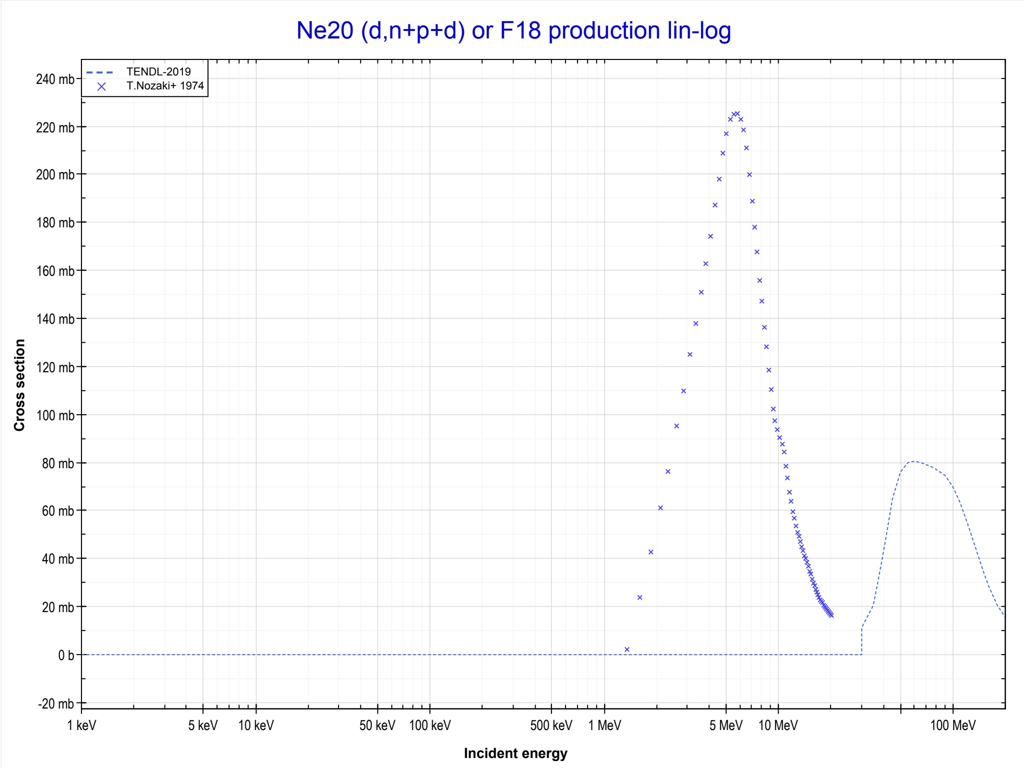
Ne20 (d,p+t) or F18 production lin-log



Reaction	Q-Value
Ne20(d,α)F18	2795.78 keV
Ne20(d,p+t)F18	-17018.09 keV
Ne20(d,n+He3)F18	-17781.84 keV
Ne20(d,2d)F18	-21050.75 keV
Ne20(d,n+p+d)F18	-23275.32 keV
Ne20(d,2n+2p)F18	-25499.88 keV

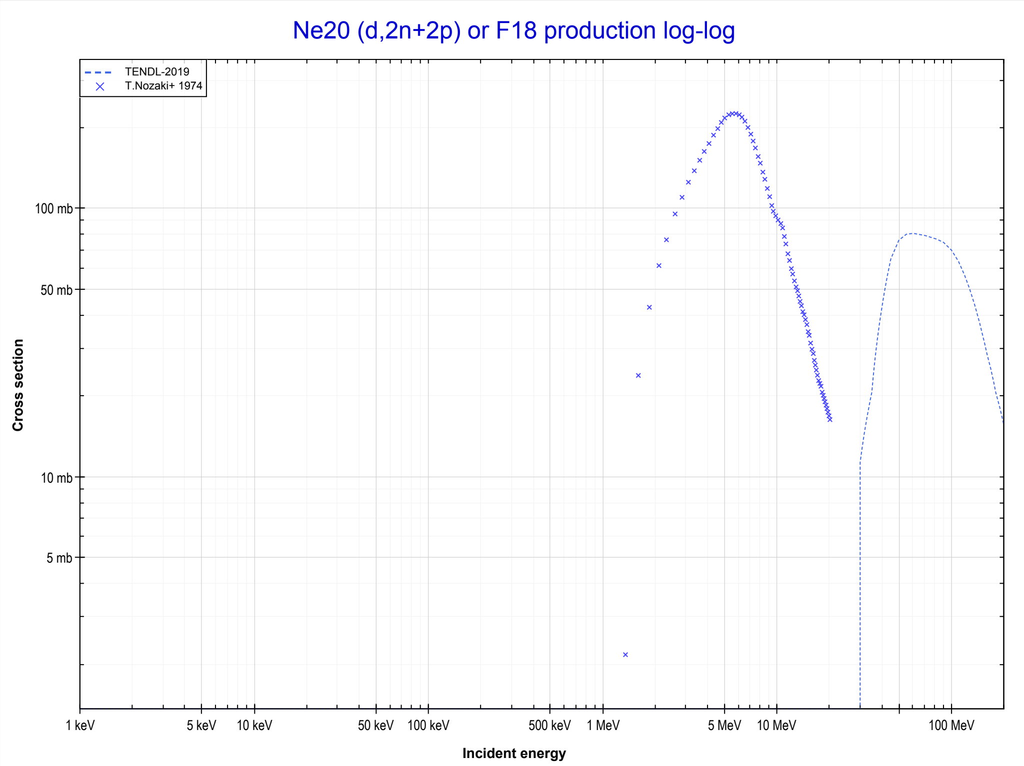
	10-Ne-20	40-Zr-90 >>
<< MT116 (d,p+t)	**MT183 (d,n+p+d) or MT5 (F18 production)**	MT190 (d,2n+2p) >>

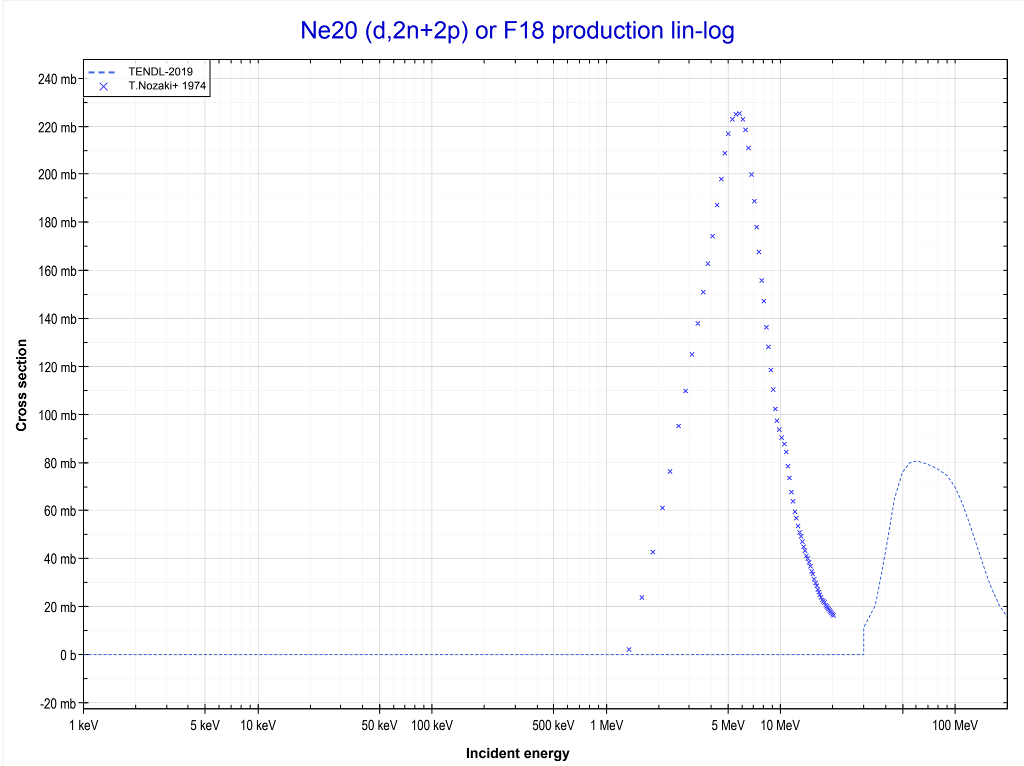




Reaction	Q-Value
Ne20(d,α)F18	2795.78 keV
Ne20(d,p+t)F18	-17018.09 keV
Ne20(d,n+He3)F18	-17781.84 keV
Ne20(d,2d)F18	-21050.75 keV
Ne20(d,n+p+d)F18	-23275.32 keV
Ne20(d,2n+2p)F18	-25499.88 keV

	10-Ne-20	40-Zr-90 >>
<< MT183 (d,n+p+d)	**MT190 (d,2n+2p) or MT5 (F18 production)**	10-Ne-22 MT103 (d,p) >>

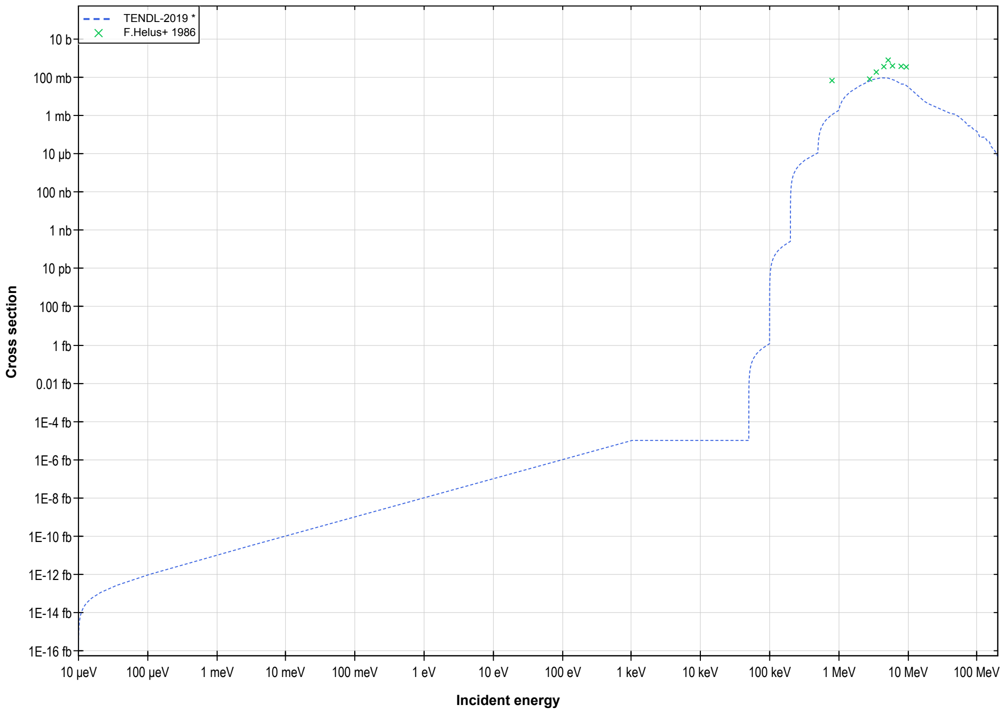




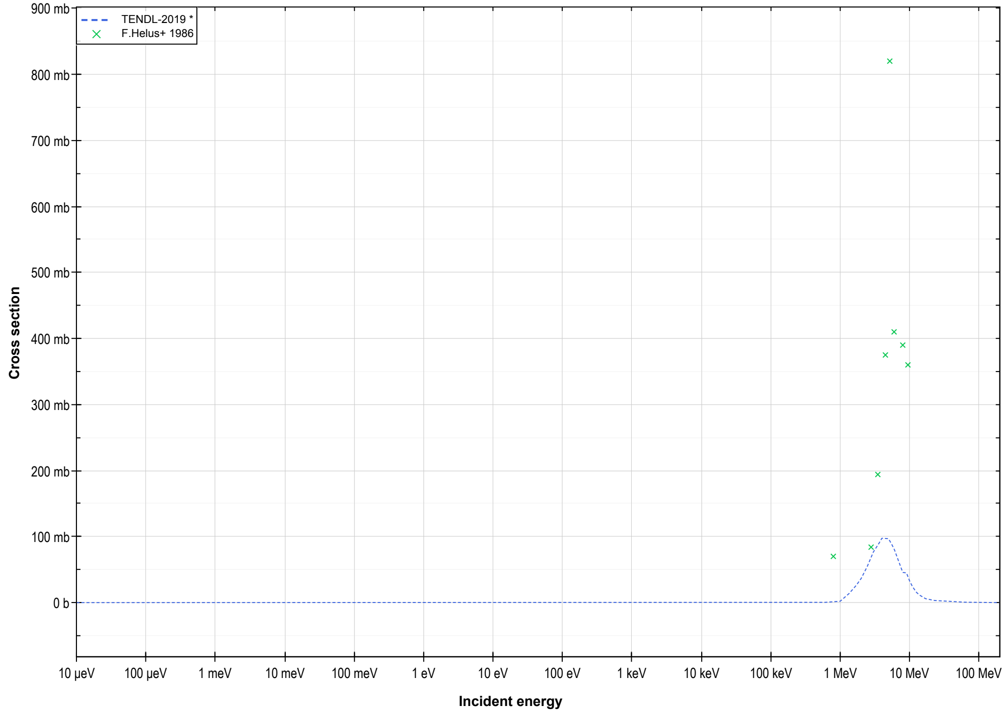
Reaction	Q-Value
Ne20(d,α)F18	2795.78 keV
Ne20(d,p+t)F18	-17018.09 keV
Ne20(d,n+He3)F18	-17781.84 keV
Ne20(d,2d)F18	-21050.75 keV
Ne20(d,n+p+d)F18	-23275.32 keV
Ne20(d,2n+2p)F18	-25499.88 keV

<< 9-F-19	**10-Ne-22**	11-Na-23 >>
<< 10-Ne-20 MT190 (d,2n+2p)	**MT103 (d,p) or MT5 (Ne23 production)**	11-Na-23 MT32 (d,n+d) >>

Ne22 (d,p) or Ne23 production log-log



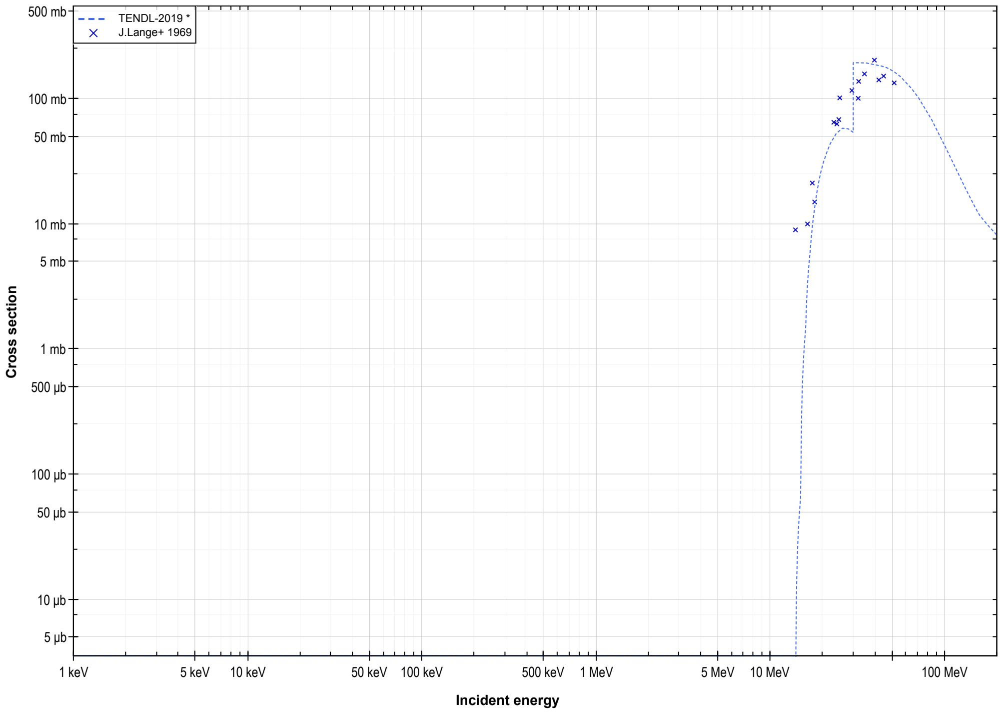
Ne22 (d,p) or Ne23 production lin-log



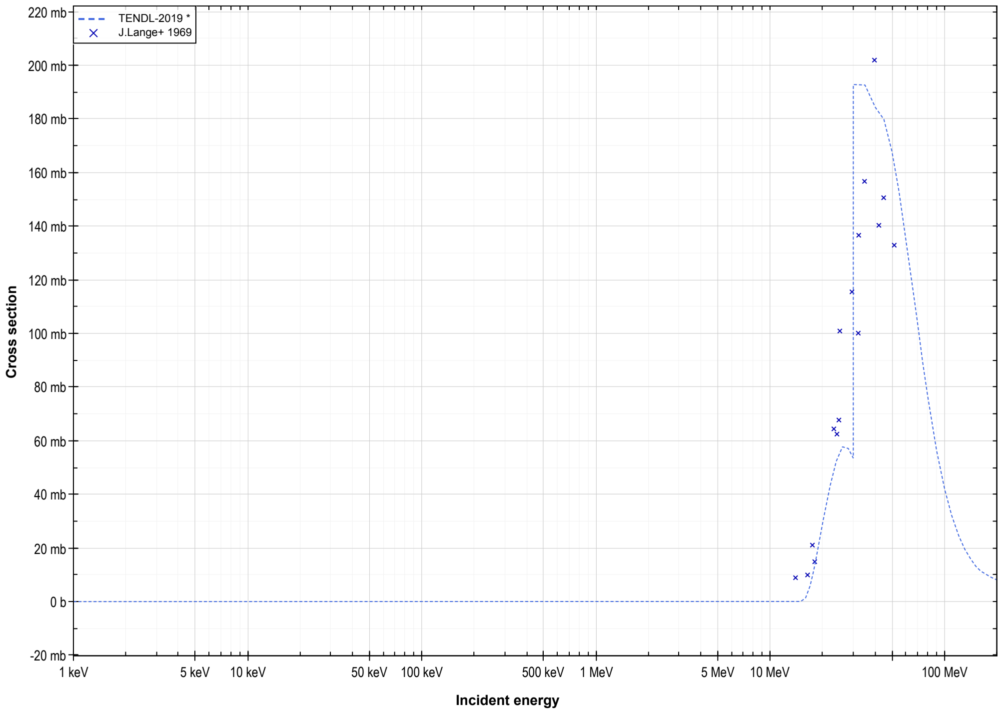
Reaction	Q-Value
Ne22(d,p)Ne23	2976.08 keV

<< 7-N-14	**11-Na-23**	21-Sc-45 >>
<< 10-Ne-22 MT103 (d,p)	**MT32 (d,n+d) or MT5 (Na22 production)**	MT41 (d,2n+p) >>

Na23 (d,n+d) or Na22 production log-log



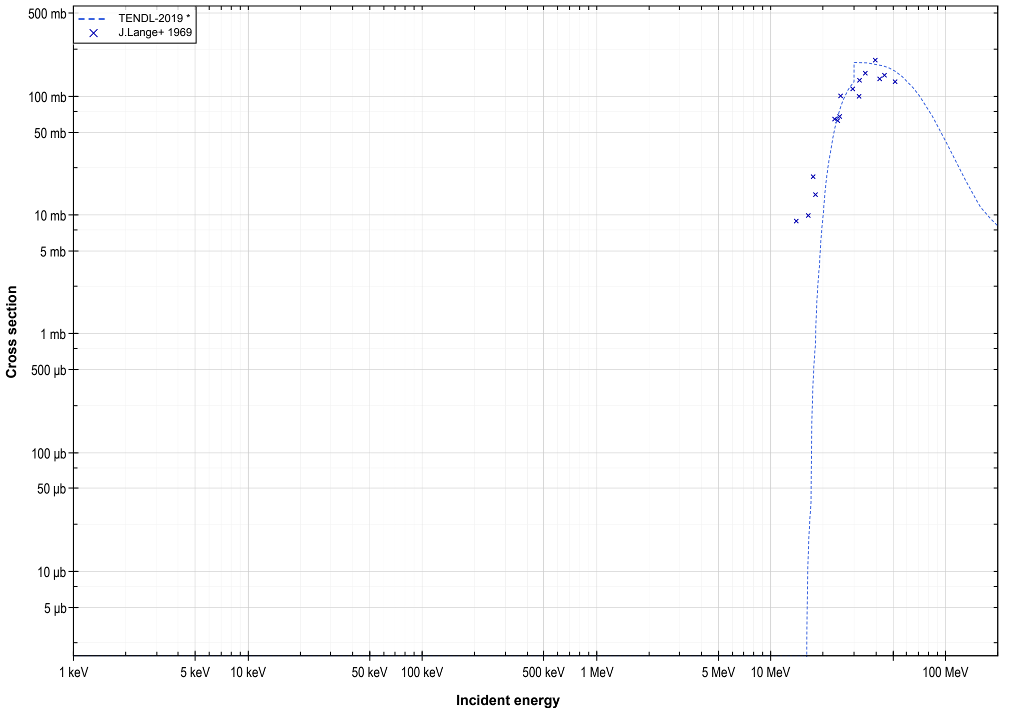
Na23 (d,n+d) or Na22 production lin-log



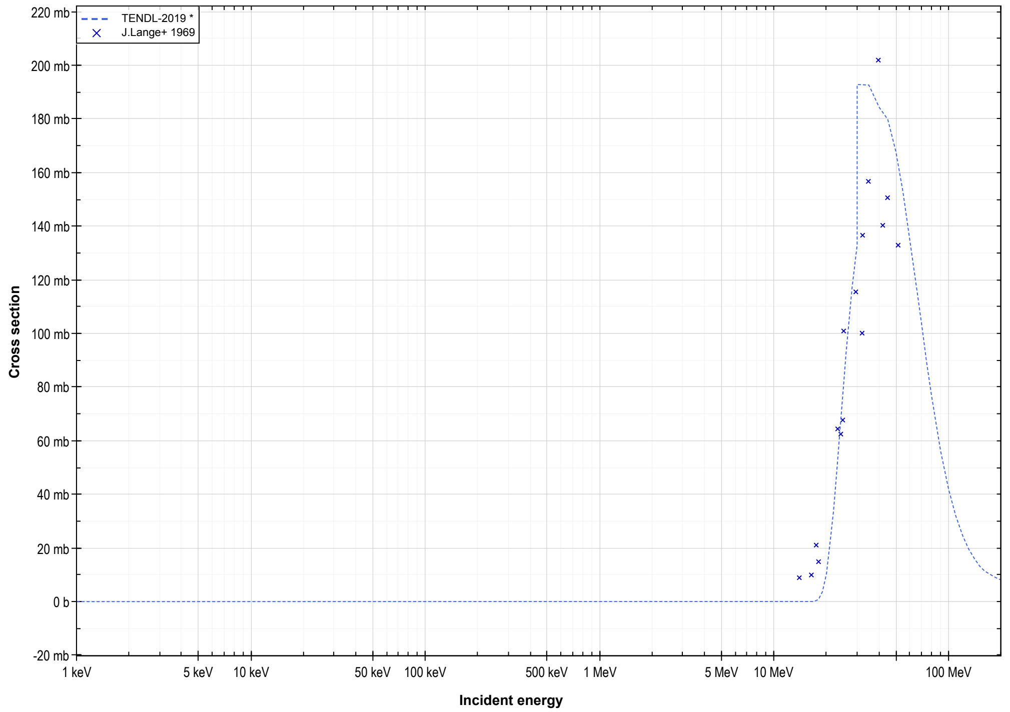
Reaction	Q-Value
Na23(d,t)Na22	-6162.43 keV
Na23(d,n+d)Na22	-12419.66 keV
Na23(d,2n+p)Na22	-14644.23 keV

<< 7-N-14	**11-Na-23**	21-Sc-45 >>
<< MT32 (d,n+d)	**MT41 (d,2n+p) or MT5 (Na22 production)**	MT103 (d,p) >>

Na23 (d,2n+p) or Na22 production log-log

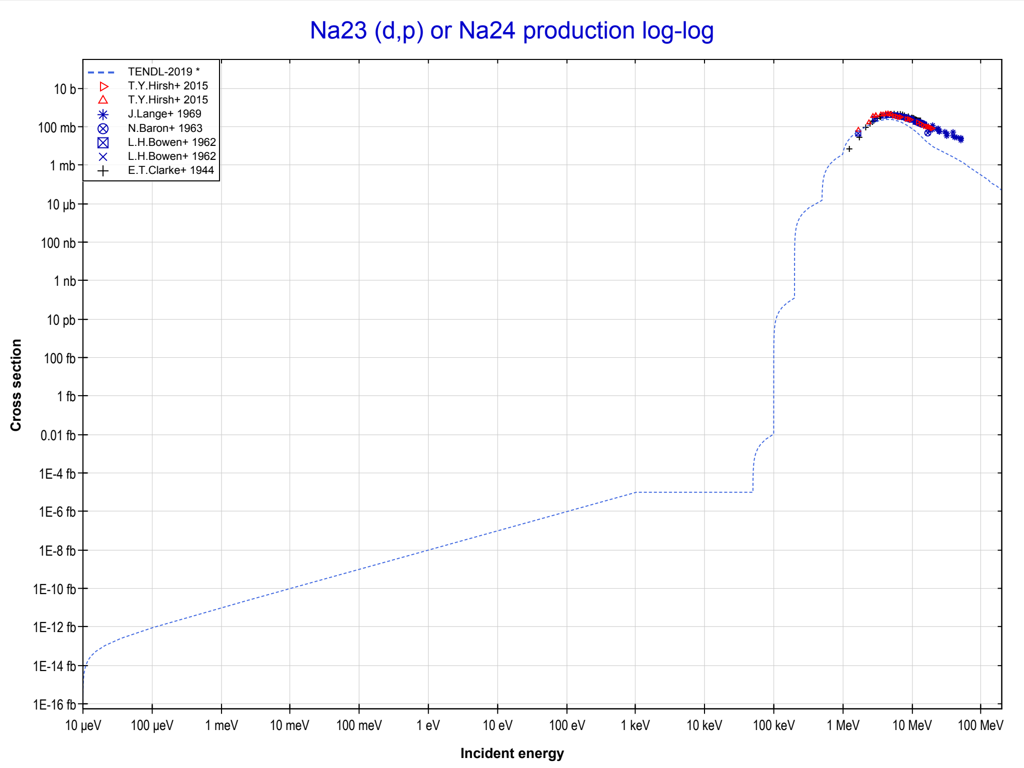


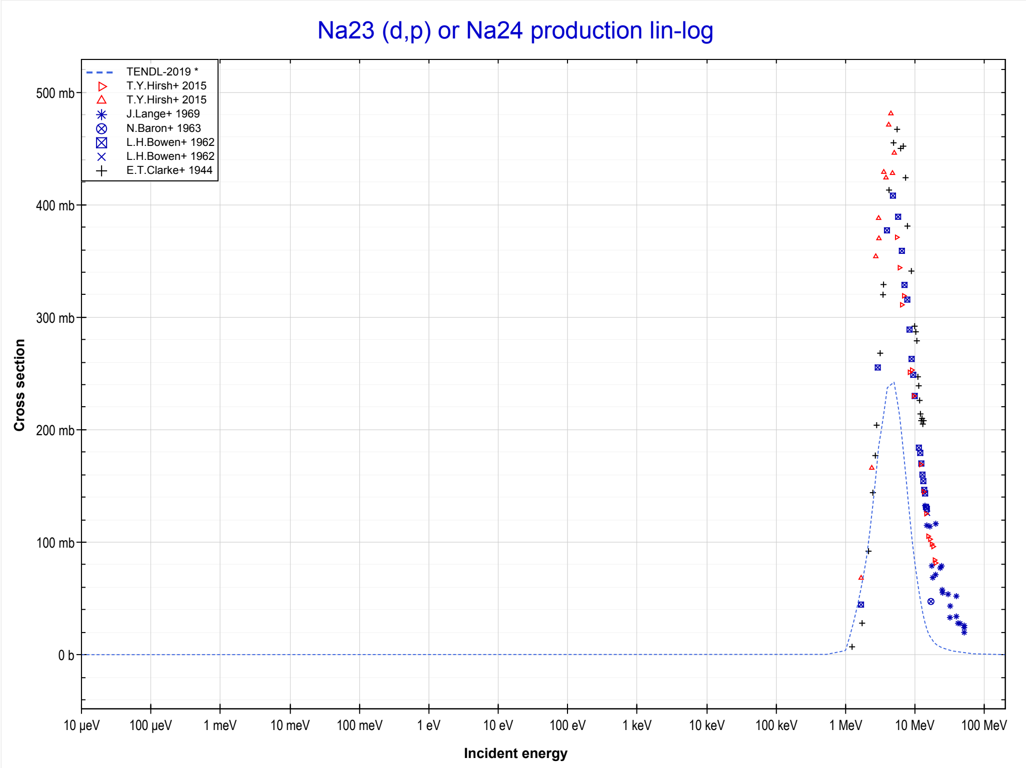
Na23 (d,2n+p) or Na22 production lin-log



Reaction	Q-Value
Na23(d,t)Na22	-6162.43 keV
Na23(d,n+d)Na22	-12419.66 keV
Na23(d,2n+p)Na22	-14644.23 keV

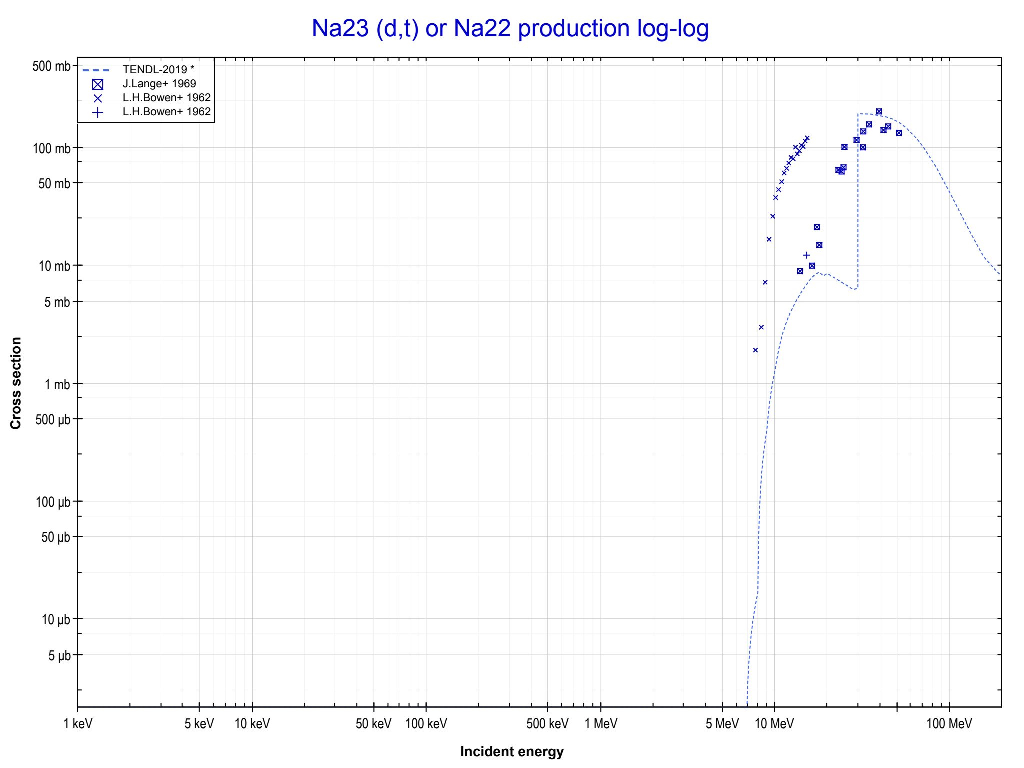
<< 10-Ne-22	**11-Na-23**	12-Mg-24 >>
<< MT41 (d,2n+p)	**MT103 (d,p) or MT5 (Na24 production)**	MT105 (d,t) >>

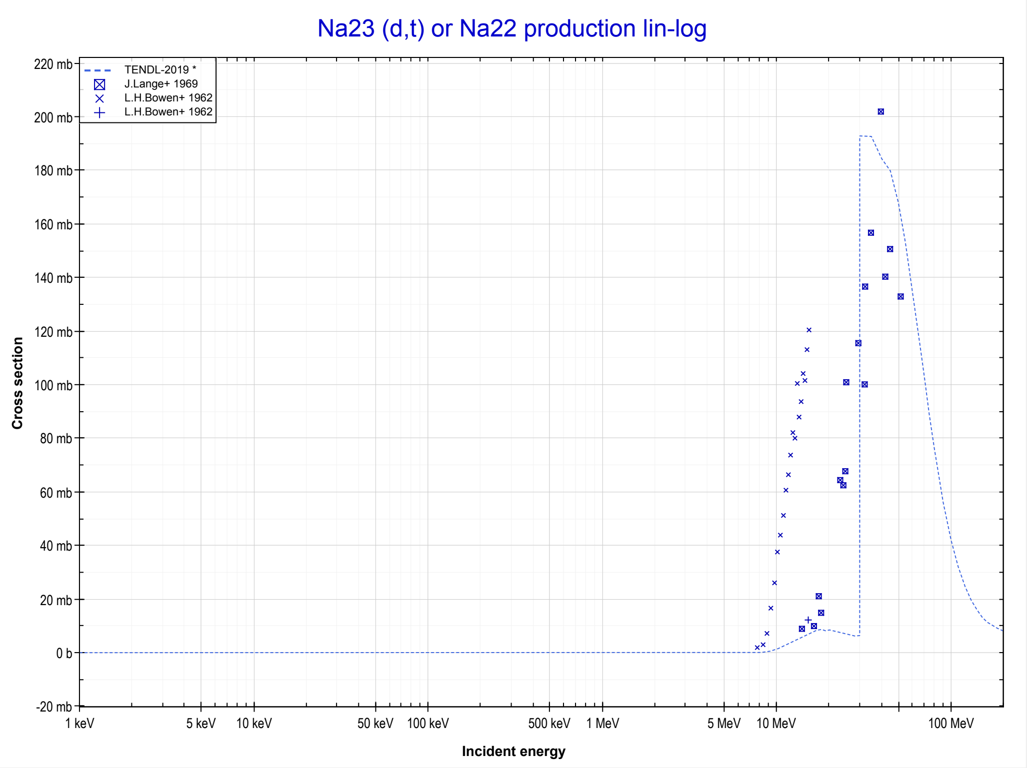




Reaction	Q-Value
Na23(d,p)Na24	4734.80 keV

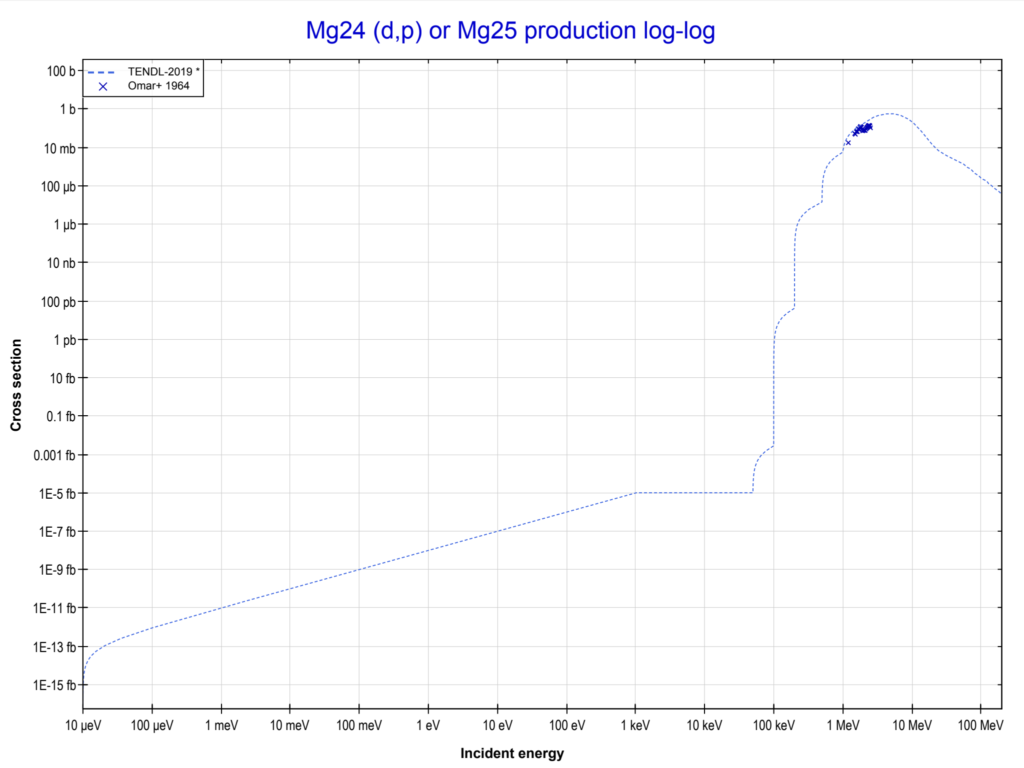
<< 9-F-19	**11-Na-23**	21-Sc-45 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Na22 production)**	12-Mg-24 MT103 (d,p) >>

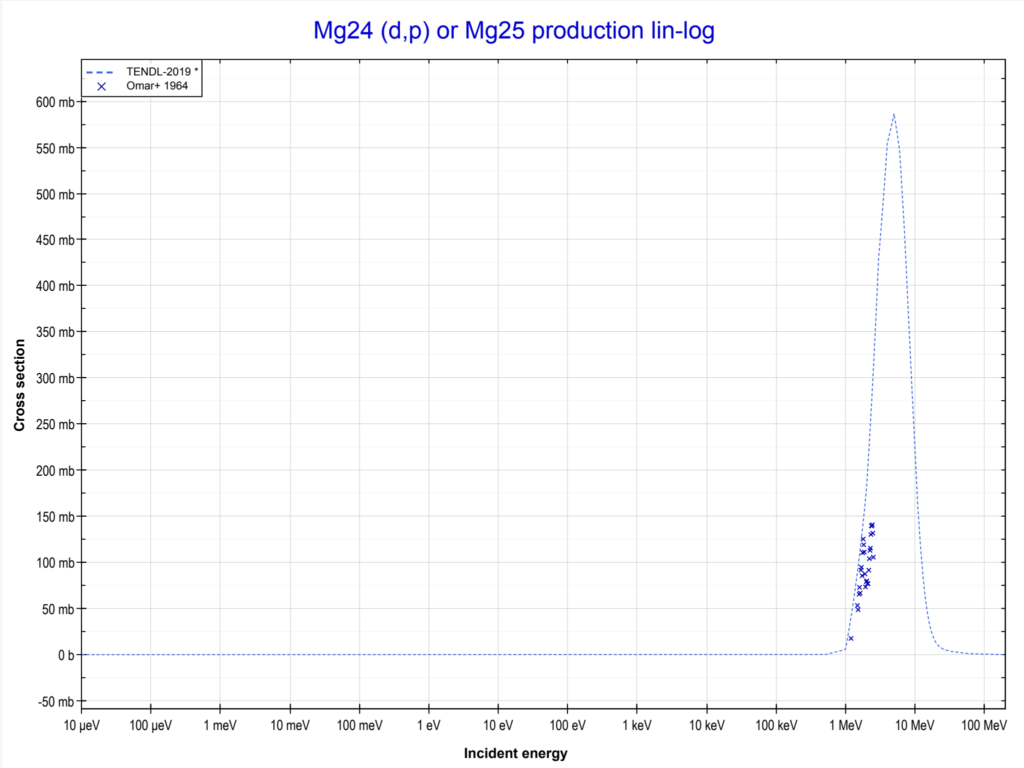




Reaction	Q-Value
Na23(d,t)Na22	-6162.43 keV
Na23(d,n+d)Na22	-12419.66 keV
Na23(d,2n+p)Na22	-14644.23 keV

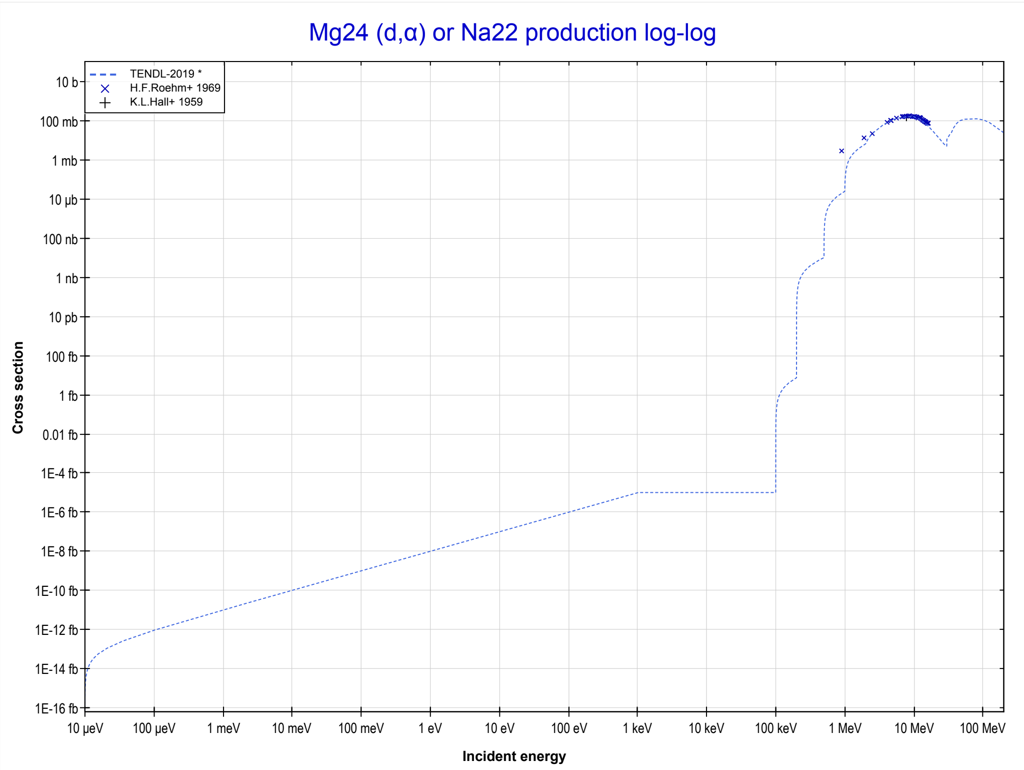
<< 11-Na-23	**12-Mg-24**	13-Al-27 >>
<< 11-Na-23 MT105 (d,t)	**MT103 (d,p) or MT5 (Mg25 production)**	MT107 (d,α) >>

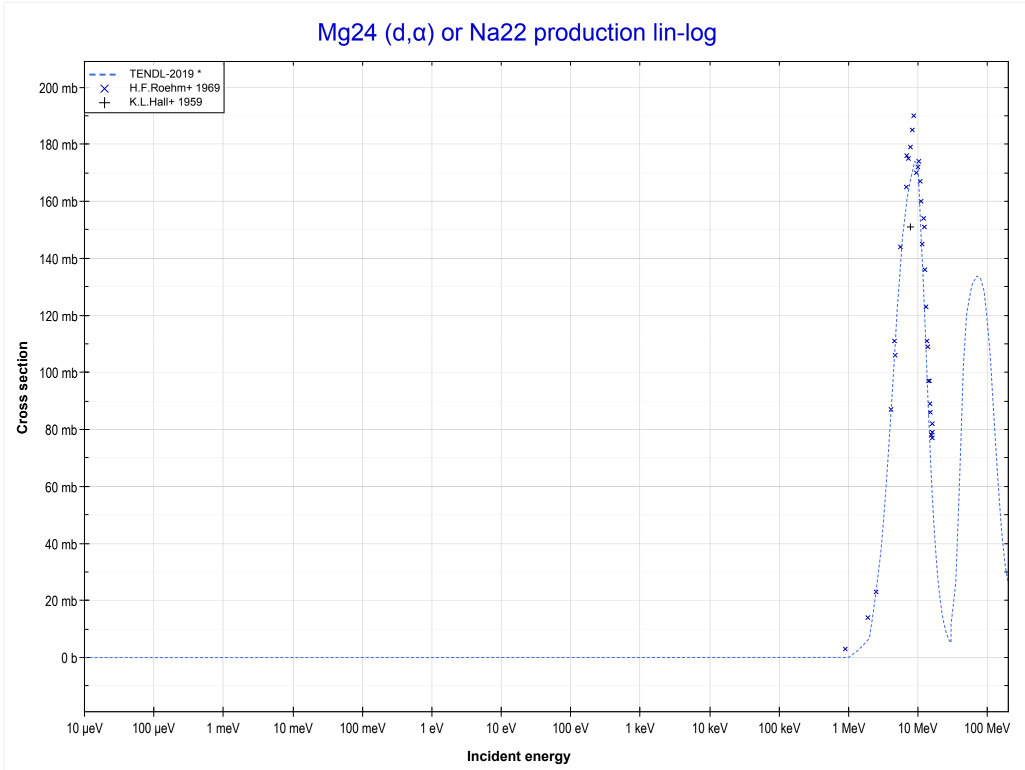




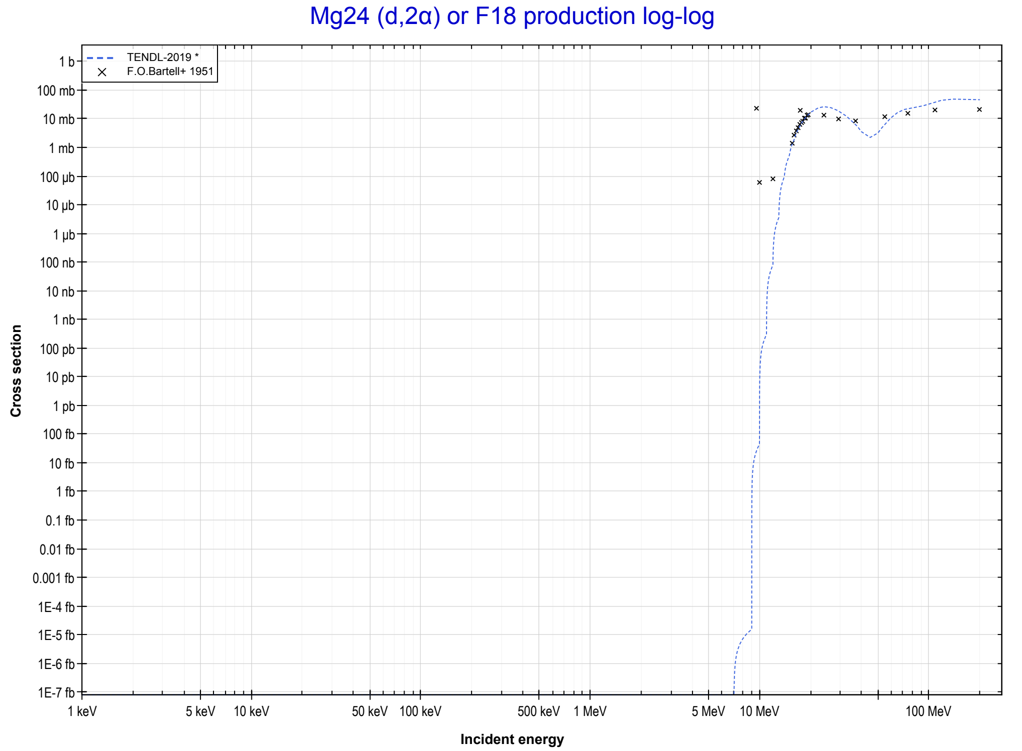
Reaction	Q-Value
Mg24(d,p)Mg25	5105.96 keV

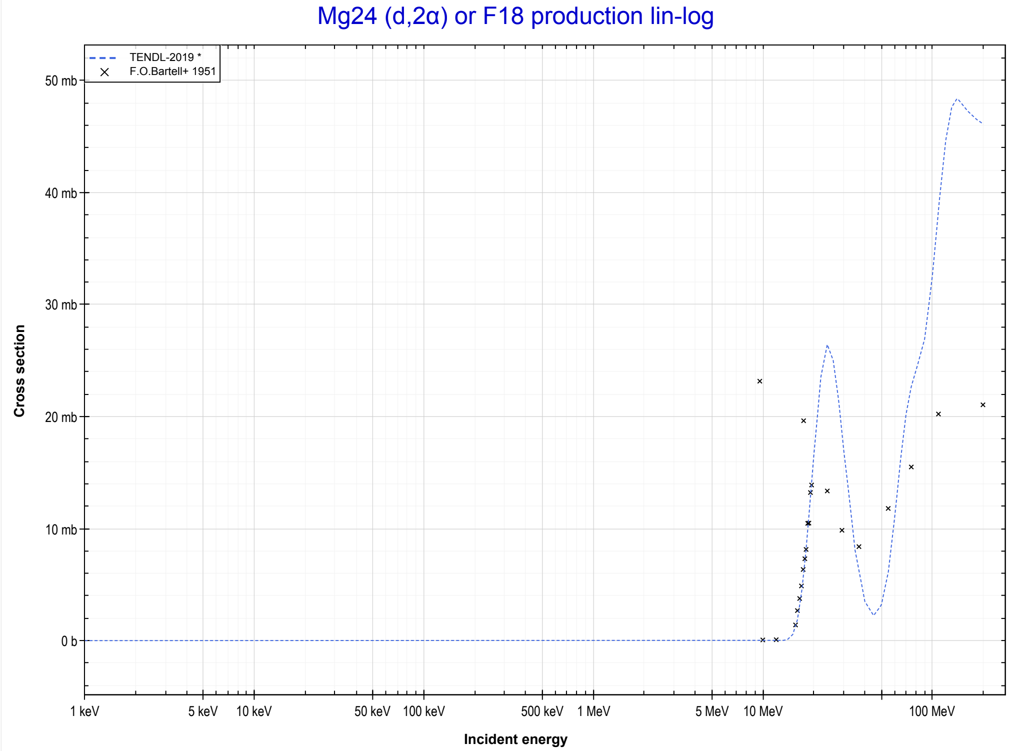
<< 10-Ne-20	**12-Mg-24**	12-Mg-26 >>
<< MT103 (d,p)	**MT107 (d,α) or MT5 (Na22 production)**	MT108 (d,2α) >>





Reaction	Q-Value
Mg24(d,α)Na22	1958.75 keV
Mg24(d,p+t)Na22	-17855.12 keV
Mg24(d,n+He3)Na22	-18618.87 keV
Mg24(d,2d)Na22	-21887.78 keV
Mg24(d,n+p+d)Na22	-24112.35 keV
Mg24(d,2n+2p)Na22	-26336.91 keV

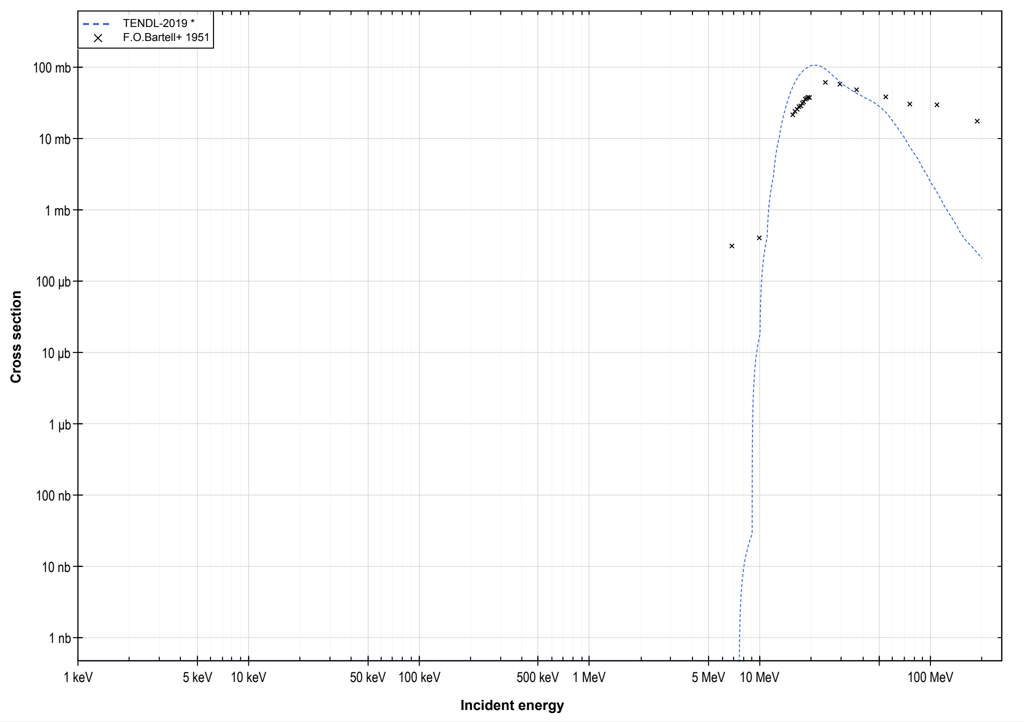




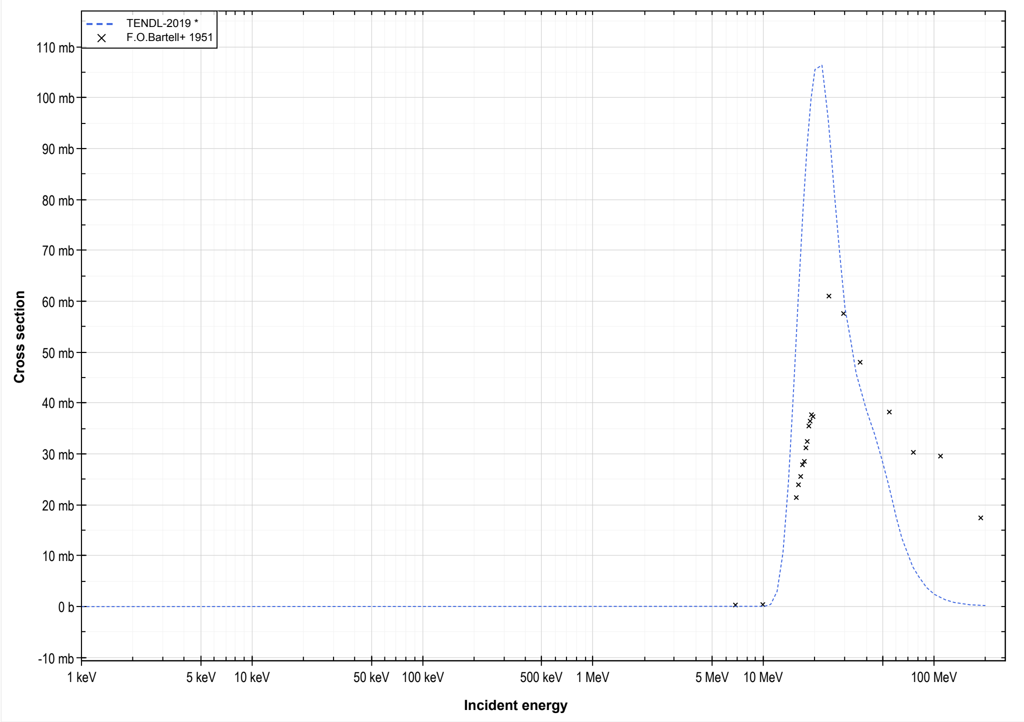
Reaction	Q-Value	Reaction	Q-Value
Mg24(d,2α)F18	-6520.78 keV	Mg24(d,n+p+t+He3)F18	-46912.26 keV
Mg24(d,p+t+α)F18	-26334.64 keV	Mg24(d,2n+2He3)F18	-47676.02 keV
Mg24(d,n+He3+α)F18	-27098.40 keV	Mg24(d,p+2d+t)F18	-50181.17 keV
Mg24(d,2d+α)F18	-30367.31 keV	Mg24(d,n+2d+He3)F18	-50944.93 keV
Mg24(d,n+p+d+α)F18	-32591.87 keV	Mg24(d,n+2p+d+t)F18	-52405.74 keV
Mg24(d,2n+2p+α)F18	-34816.44 keV	Mg24(d,2n+p+d+He3)F18	-53169.49 keV
Mg24(d,d+t+He3)F18	-44687.70 keV	Mg24(d,4d)F18	-54213.83 keV
Mg24(d,2p+2t)F18	-46148.51 keV	Mg24(d,2n+3p+t)F18	-54630.30 keV

	12-Mg-24	13-Al-27 >>
<< MT108 (d,2α)	**MT111 (d,2p) or MT5 (Na24 production)**	12-Mg-26 MT107 (d,α) >>

Mg24 (d,2p) or Na24 production log-log

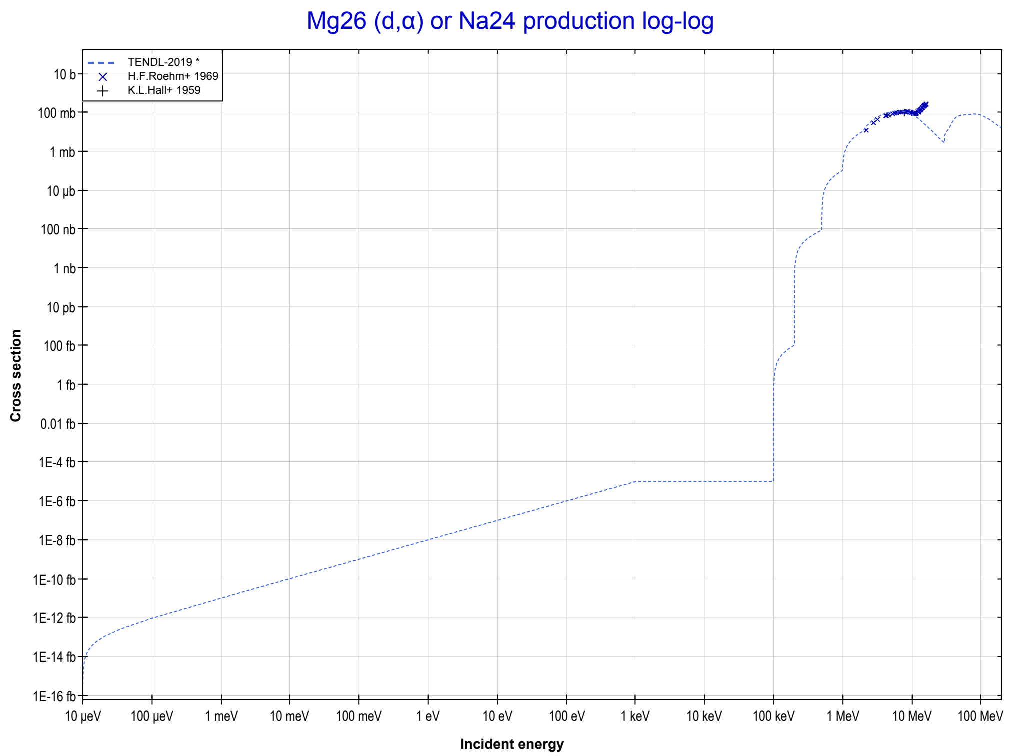


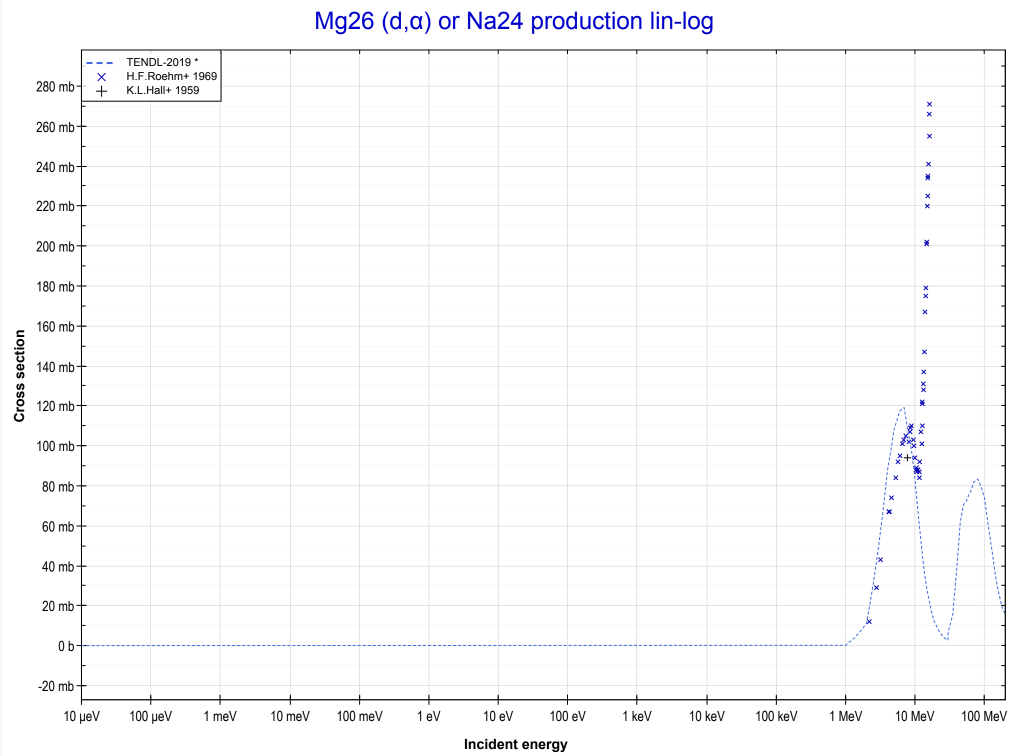
Mg24 (d,2p) or Na24 production lin-log



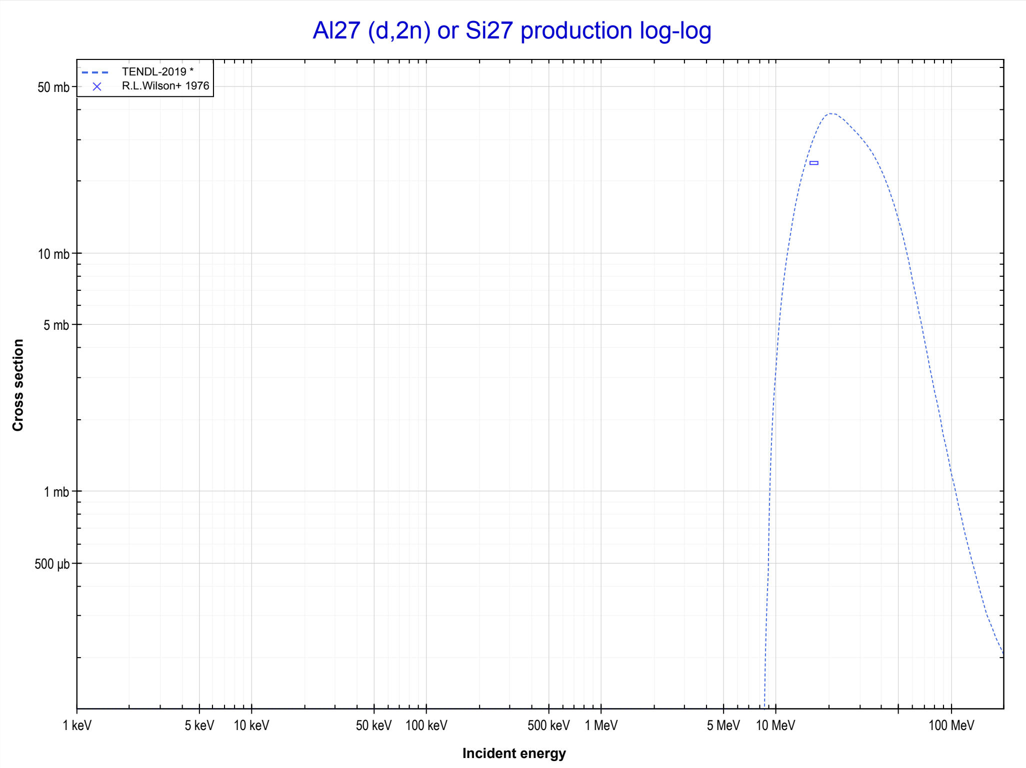
Reaction	Q-Value
Mg24(d,2p)Na24	-6957.89 keV

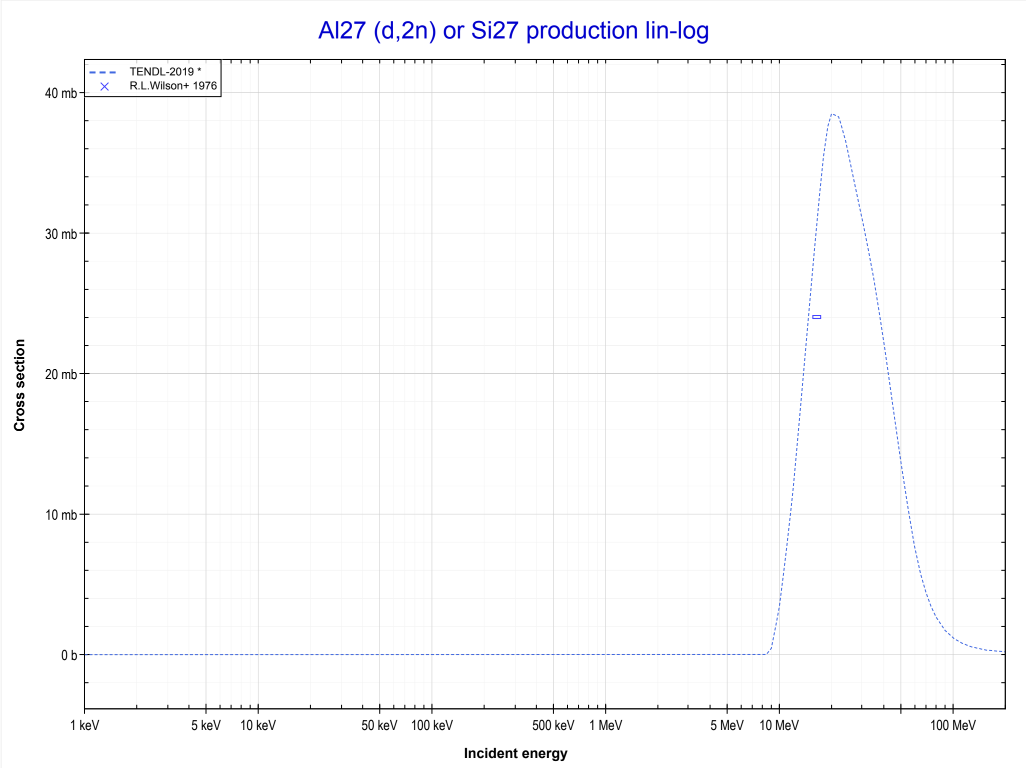
<< 12-Mg-24	**12-Mg-26**	16-S-32 >>
<< 12-Mg-24 MT111 (d,2p)	**MT107 (d,α) or MT5 (Na24 production)**	13-Al-27 MT16 (d,2n) >>





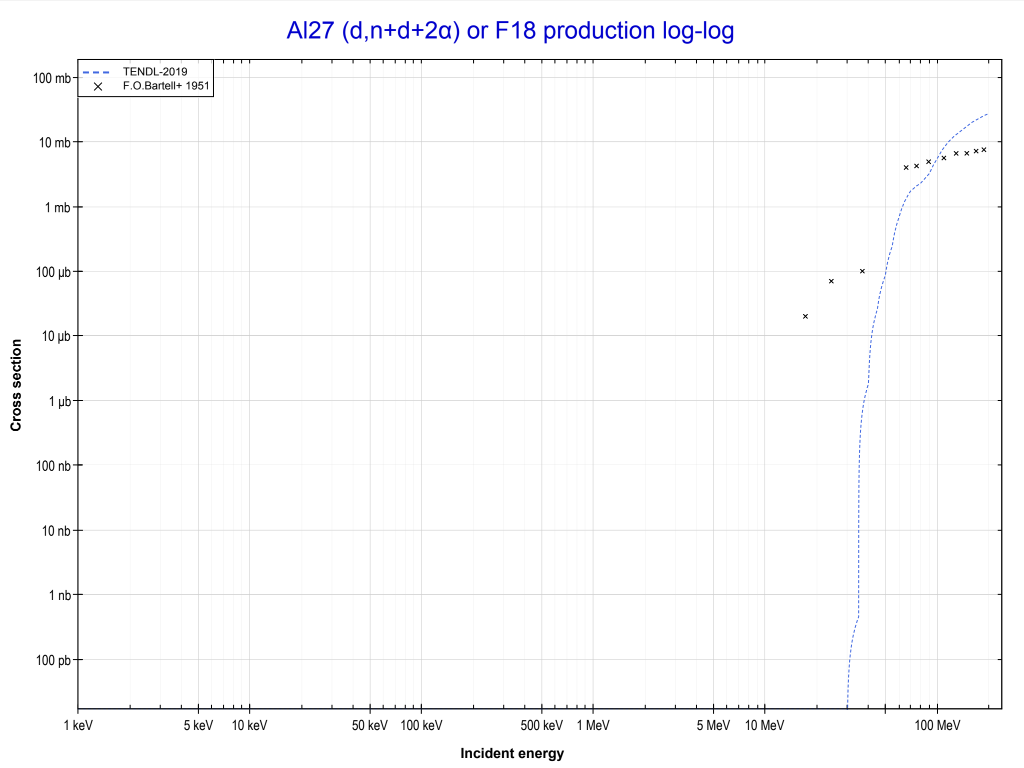
Reaction	Q-Value
Mg26(d,α)Na24	2914.17 keV
Mg26(d,p+t)Na24	-16899.70 keV
Mg26(d,n+He3)Na24	-17663.45 keV
Mg26(d,2d)Na24	-20932.36 keV
Mg26(d,n+p+d)Na24	-23156.93 keV
Mg26(d,2n+2p)Na24	-25381.49 keV

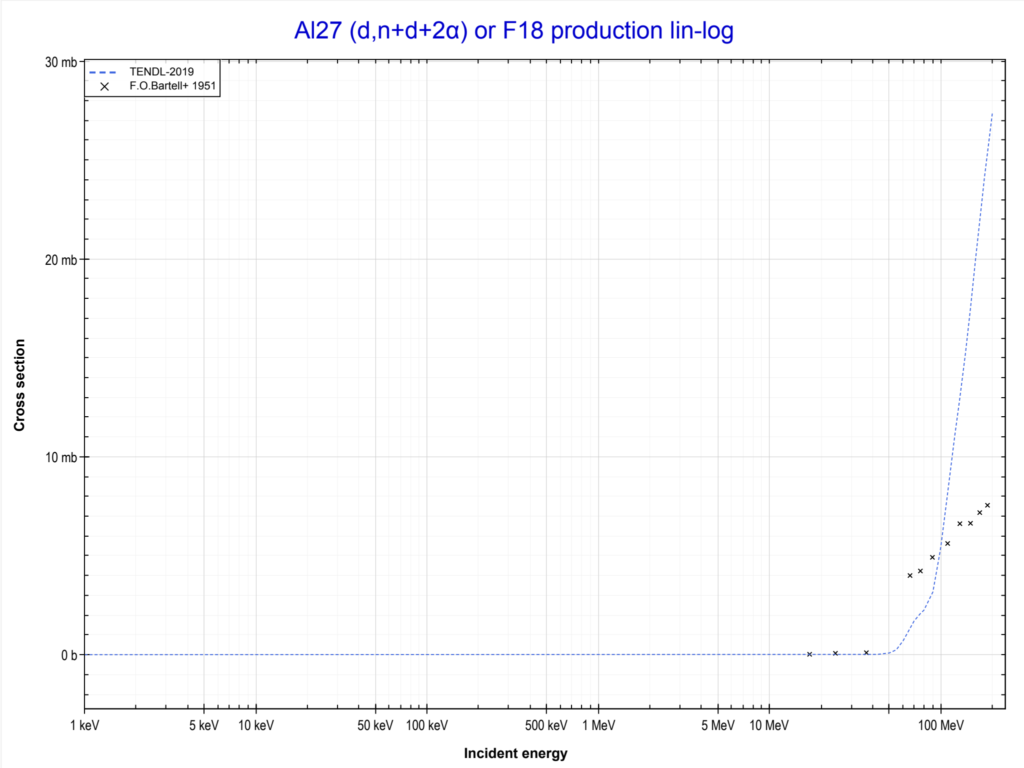




Reaction	Q-Value
Al27(d,2n)Si27	-7819.27 keV

	13-Al-27	23-V-51 >>
<< MT16 (d,2n)	**MT35 (d,n+d+2α) or MT5 (F18 production)**	MT103 (d,p) >>

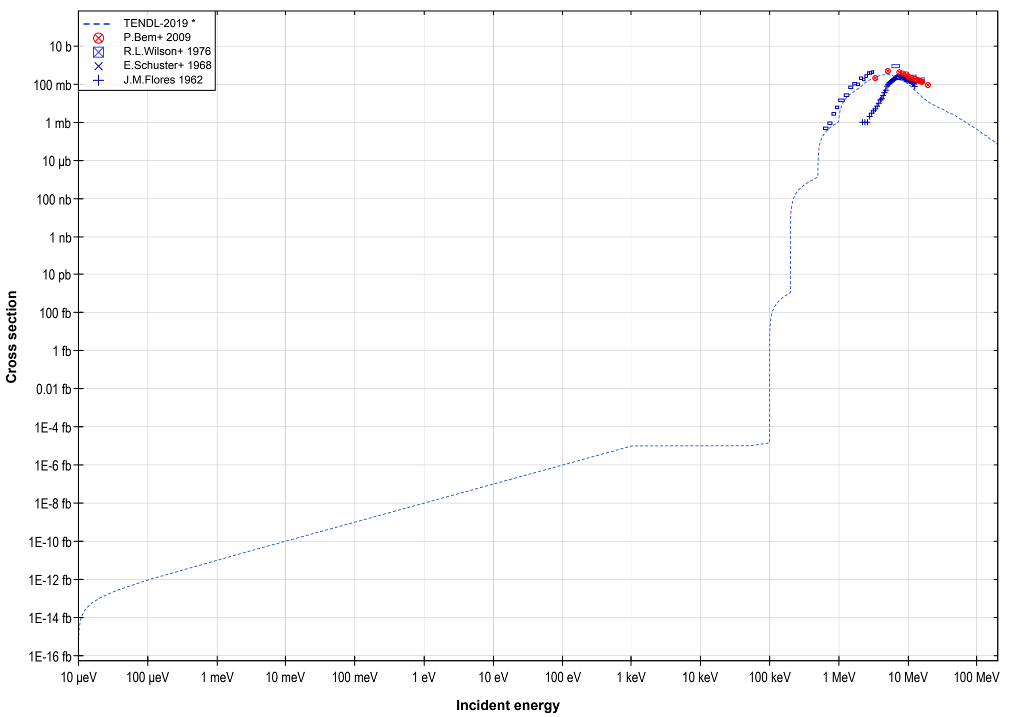




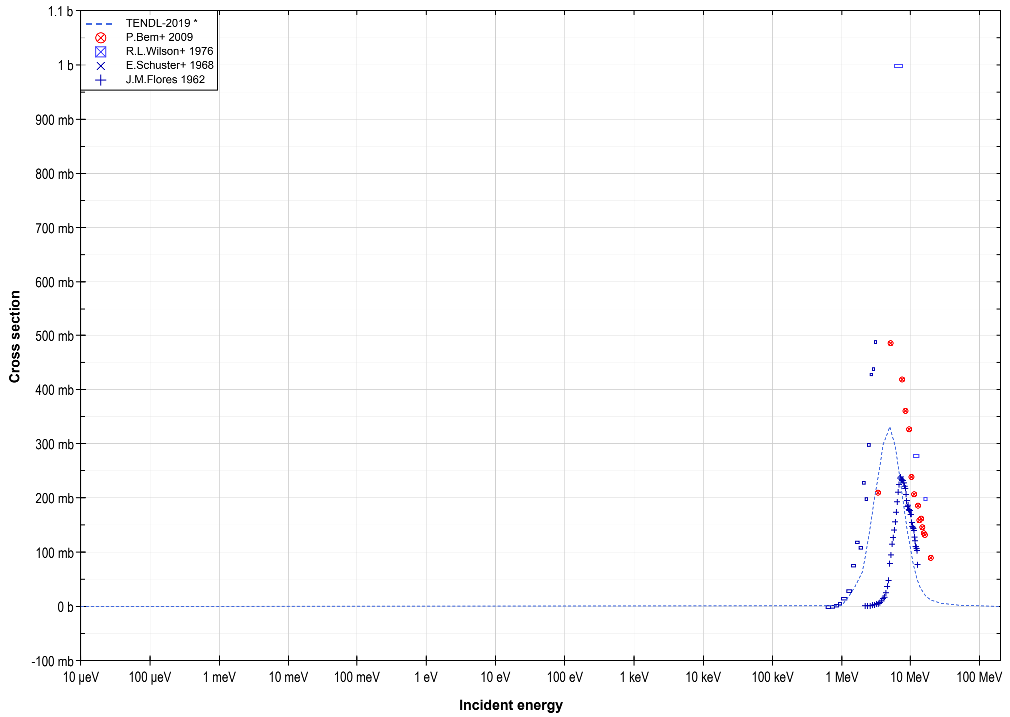
Reaction	Q-Value	Reaction	Q-Value
Al27(d,t+2α)F18	-24733.88 keV	Al27(d,2n+2p+t+α)F18	-53029.54 keV
Al27(d,n+d+2α)F18	-30991.11 keV	Al27(d,3n+p+He3+α)F18	-53793.29 keV
Al27(d,2n+p+2α)F18	-33215.67 keV	Al27(d,n+3d+α)F18	-54837.64 keV
Al27(d,p+2t+α)F18	-44547.74 keV	Al27(d,2n+p+2d+α)F18	-57062.20 keV
Al27(d,n+t+He3+α)F18	-45311.50 keV	Al27(d,3n+2p+d+α)F18	-59286.77 keV
Al27(d,2d+t+α)F18	-48580.41 keV	Al27(d,4n+3p+α)F18	-61511.33 keV
Al27(d,n+p+d+t+α)F18	-50804.97 keV	Al27(d,d+2t+He3)F18	-62900.80 keV
Al27(d,2n+d+He3+α)F18	-51568.73 keV	Al27(d,2p+3t)F18	-64361.61 keV

<< 12-Mg-24	**13-Al-27**	18-Ar-40 >>
<< MT35 (d,n+d+2α)	**MT103 (d,p) or MT5 (Al28 production)**	MT111 (d,2p) >>

Al27 (d,p) or Al28 production log-log

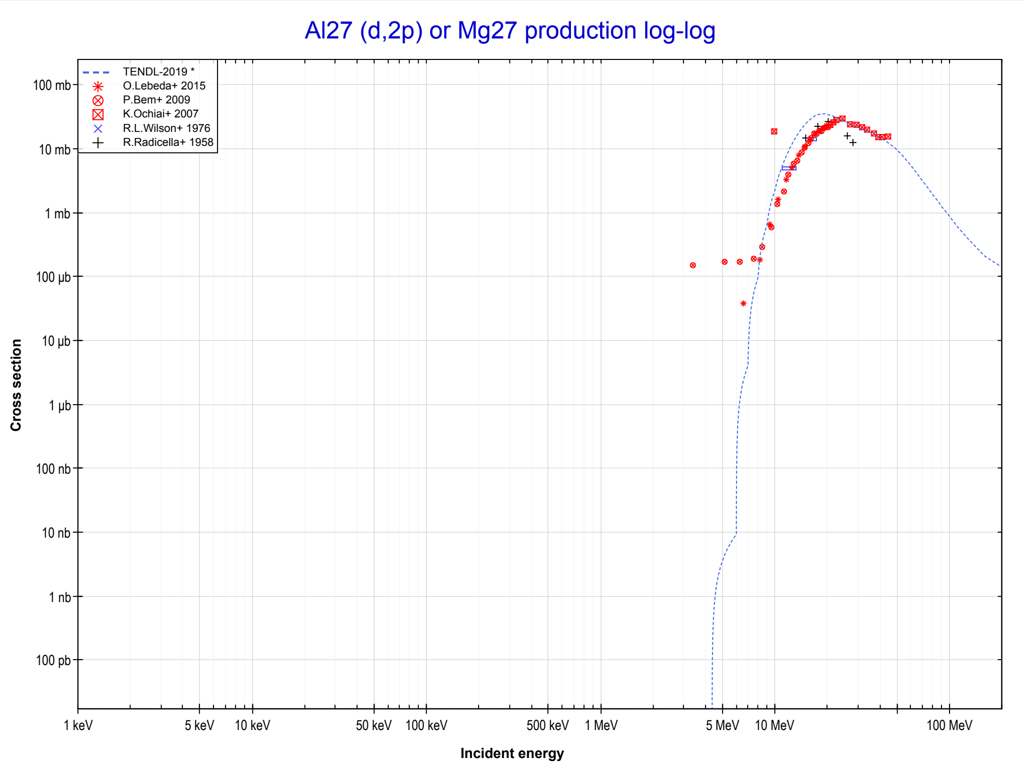


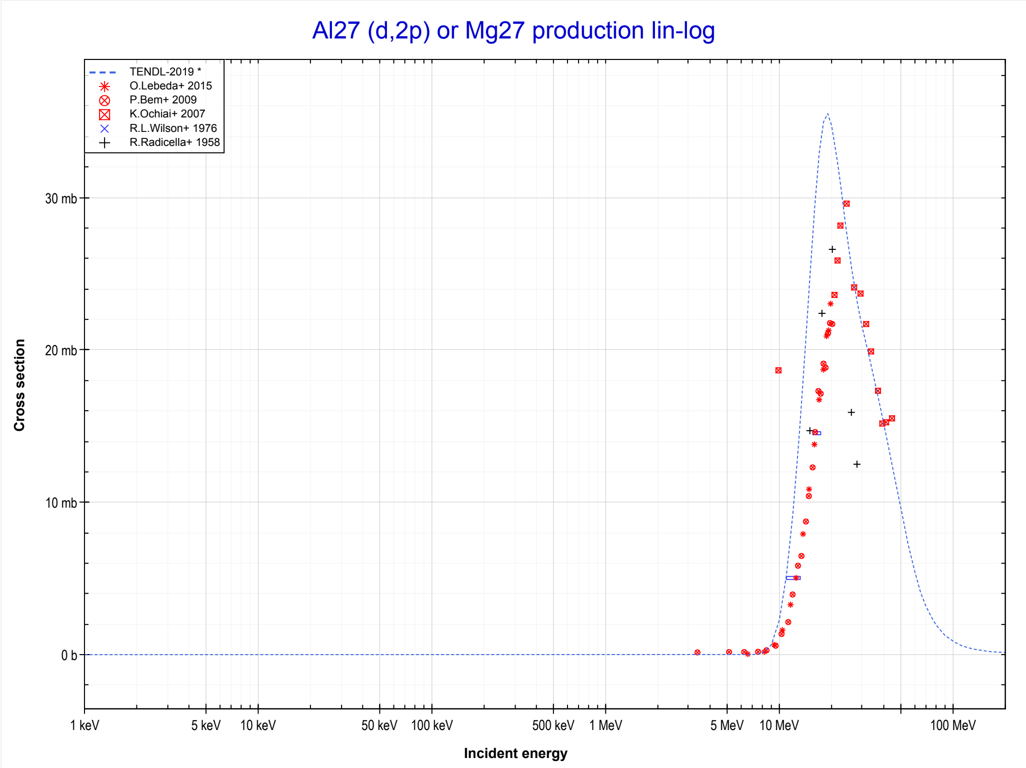
Al27 (d,p) or Al28 production lin-log



Reaction	Q-Value
Al27(d,p)Al28	5500.53 keV

<< 12-Mg-24	**13-Al-27**	16-S-32 >>
<< MT103 (d,p)	**MT111 (d,2p) or MT5 (Mg27 production)**	MT112 (d,p+α) >>

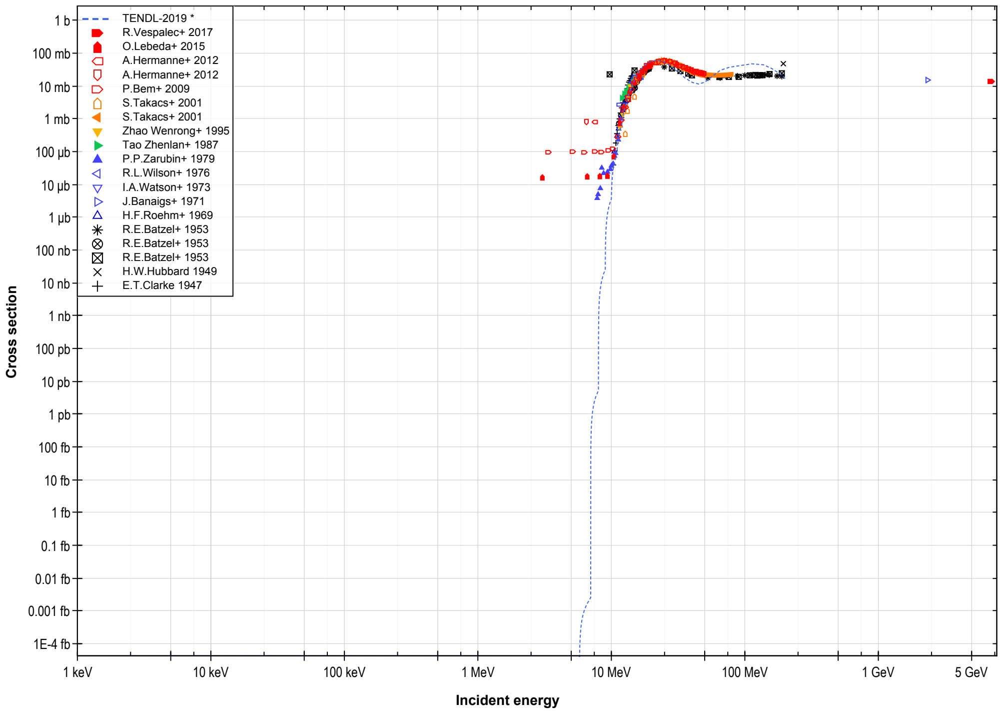




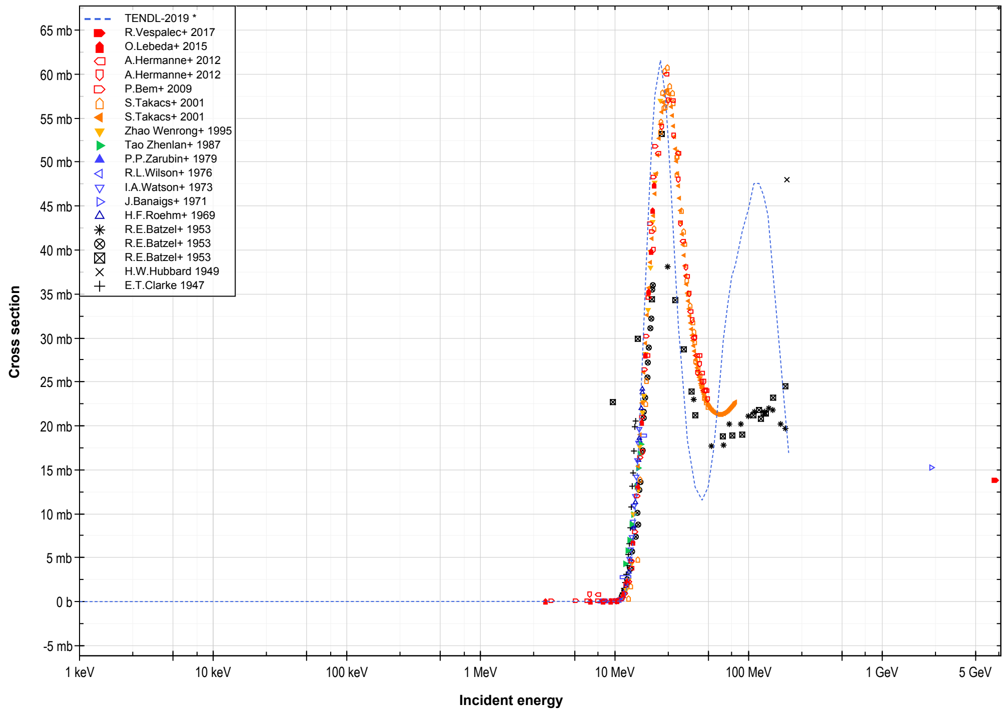
Reaction	Q-Value
Al27(d,2p)Mg27	-4052.47 keV

	13-Al-27	17-Cl-35 >>
<< MT111 (d,2p)	**MT112 (d,p+α) or MT5 (Na24 production)**	MT113 (d,t+2α) >>

Al27 (d,p+α) or Na24 production log-log

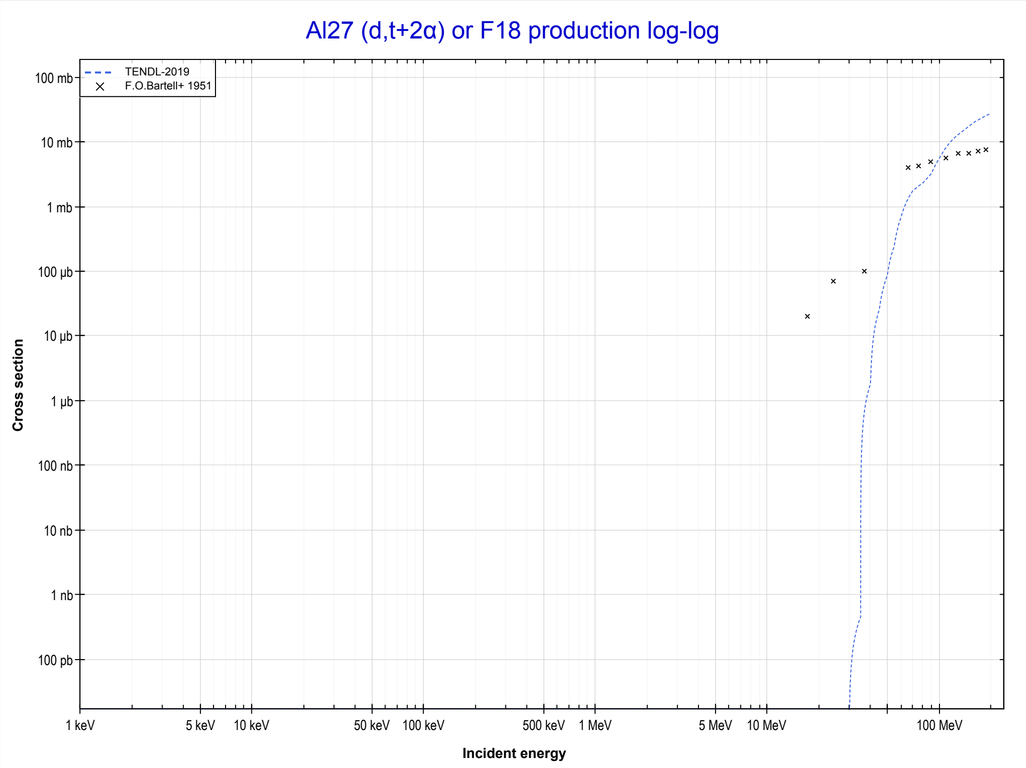


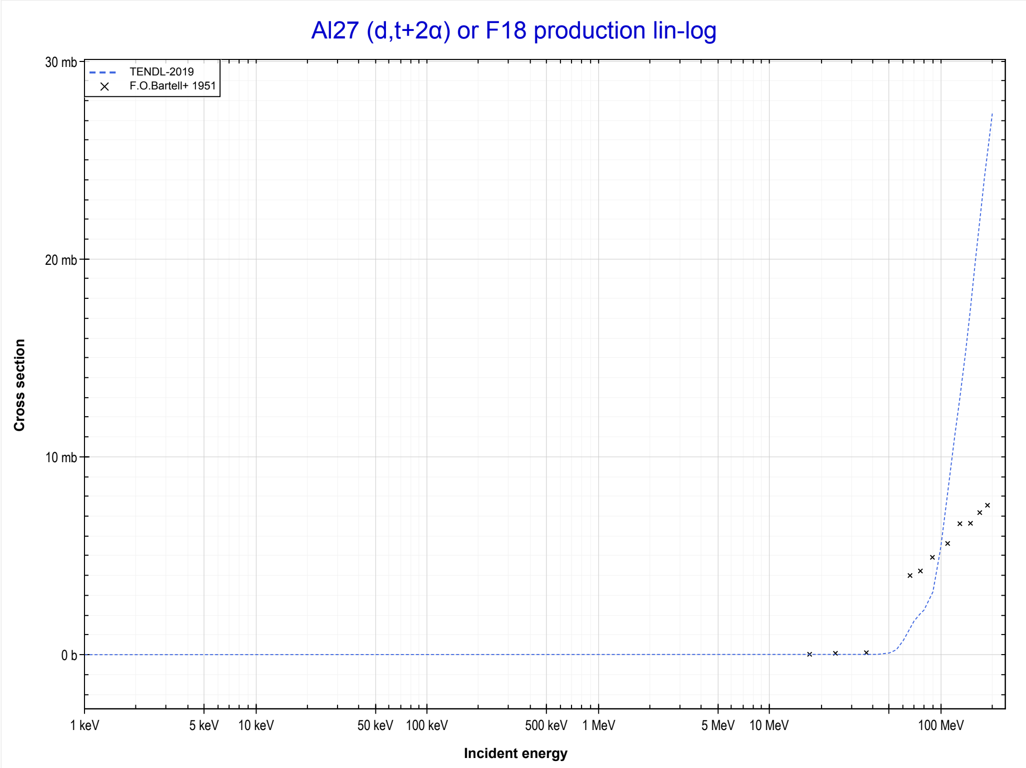
Al27 (d,p+α) or Na24 production lin-log



Reaction	Q-Value
Al27(d,p+α)Na24	-5357.12 keV
Al27(d,d+He3)Na24	-23710.18 keV
Al27(d,2p+t)Na24	-25170.99 keV
Al27(d,n+p+He3)Na24	-25934.74 keV
Al27(d,p+2d)Na24	-29203.65 keV
Al27(d,n+2p+d)Na24	-31428.22 keV
Al27(d,2n+3p)Na24	-33652.78 keV

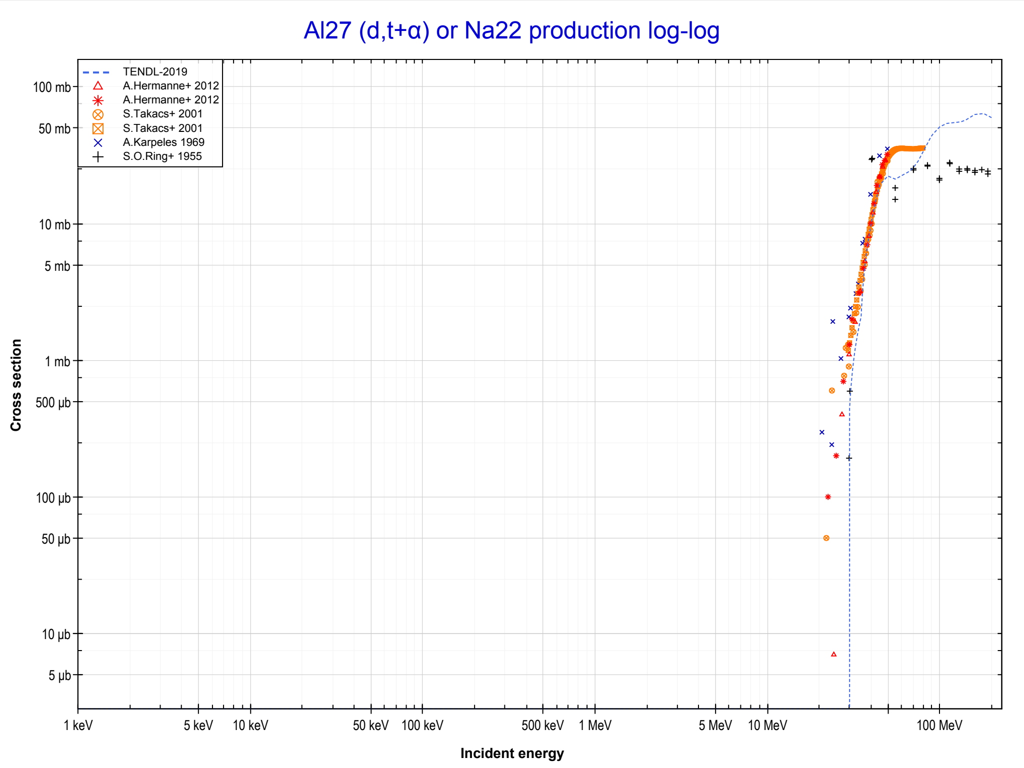
	13-Al-27	23-V-51 >>
<< MT112 (d,p+α)	**MT113 (d,t+2α) or MT5 (F18 production)**	MT155 (d,t+α) >>

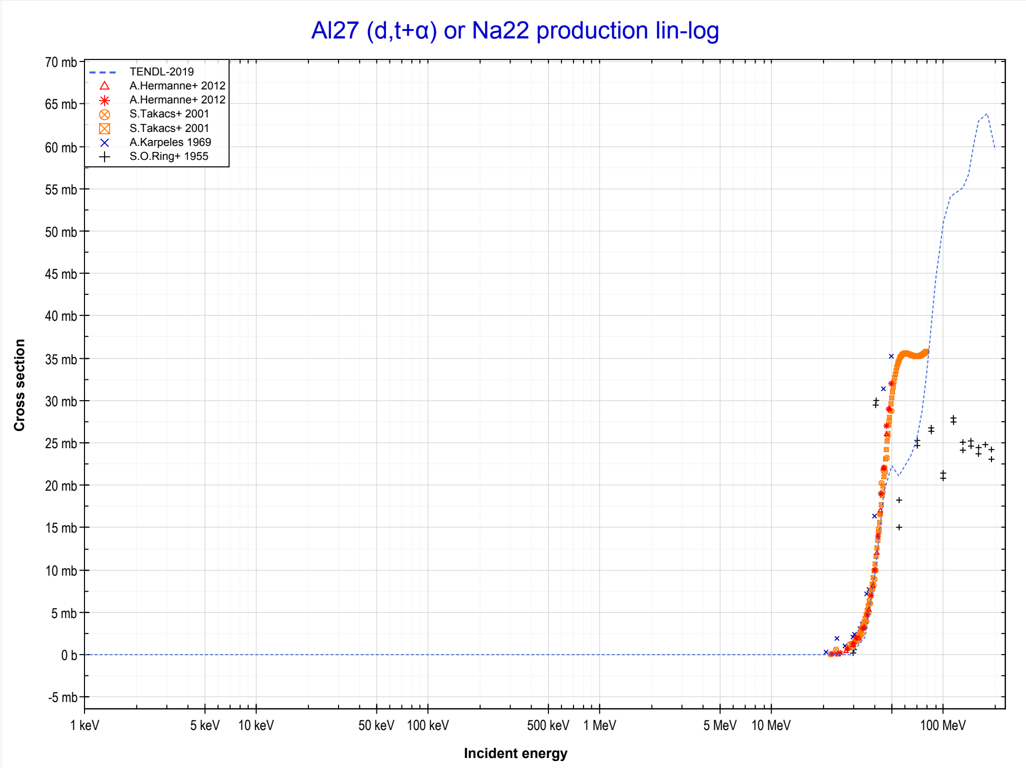




Reaction	Q-Value	Reaction	Q-Value
Al27(d,t+2α)F18	-24733.88 keV	Al27(d,2n+2p+t+α)F18	-53029.54 keV
Al27(d,n+d+2α)F18	-30991.11 keV	Al27(d,3n+p+He3+α)F18	-53793.29 keV
Al27(d,2n+p+2α)F18	-33215.67 keV	Al27(d,n+3d+α)F18	-54837.64 keV
Al27(d,p+2t+α)F18	-44547.74 keV	Al27(d,2n+p+2d+α)F18	-57062.20 keV
Al27(d,n+t+He3+α)F18	-45311.50 keV	Al27(d,3n+2p+d+α)F18	-59286.77 keV
Al27(d,2d+t+α)F18	-48580.41 keV	Al27(d,4n+3p+α)F18	-61511.33 keV
Al27(d,n+p+d+t+α)F18	-50804.97 keV	Al27(d,d+2t+He3)F18	-62900.80 keV
Al27(d,2n+d+He3+α)F18	-51568.73 keV	Al27(d,2p+3t)F18	-64361.61 keV

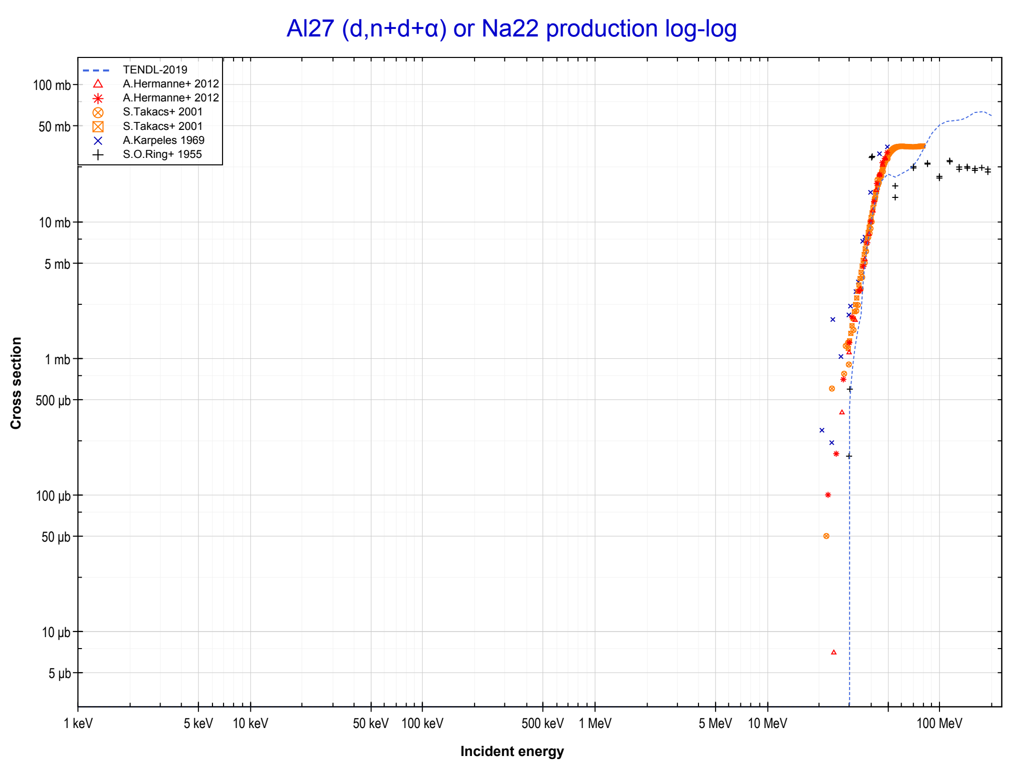
	13-Al-27	23-V-51 >>
<< MT113 (d,t+2α)	**MT155 (d,t+α) or MT5 (Na22 production)**	MT158 (d,n+d+α) >>

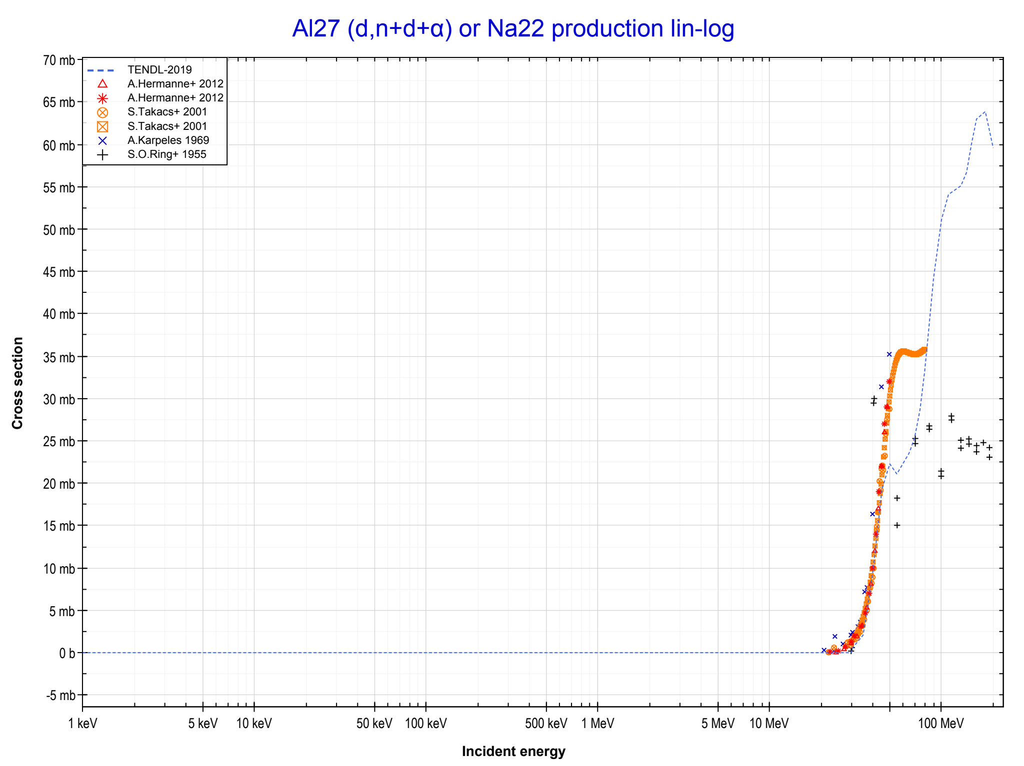




Reaction	Q-Value	Reaction	Q-Value
Al27(d,t+α)Na22	-16254.35 keV	Al27(d,2n+2p+t)Na22	-44550.01 keV
Al27(d,n+d+α)Na22	-22511.58 keV	Al27(d,3n+p+He3)Na22	-45313.77 keV
Al27(d,2n+p+α)Na22	-24736.15 keV	Al27(d,n+3d)Na22	-46358.11 keV
Al27(d,p+2t)Na22	-36068.22 keV	Al27(d,2n+p+2d)Na22	-48582.68 keV
Al27(d,n+t+He3)Na22	-36831.97 keV	Al27(d,3n+2p+d)Na22	-50807.24 keV
Al27(d,2d+t)Na22	-40100.88 keV	Al27(d,4n+3p)Na22	-53031.81 keV
Al27(d,n+p+d+t)Na22	-42325.45 keV		
Al27(d,2n+d+He3)Na22	-43089.20 keV		

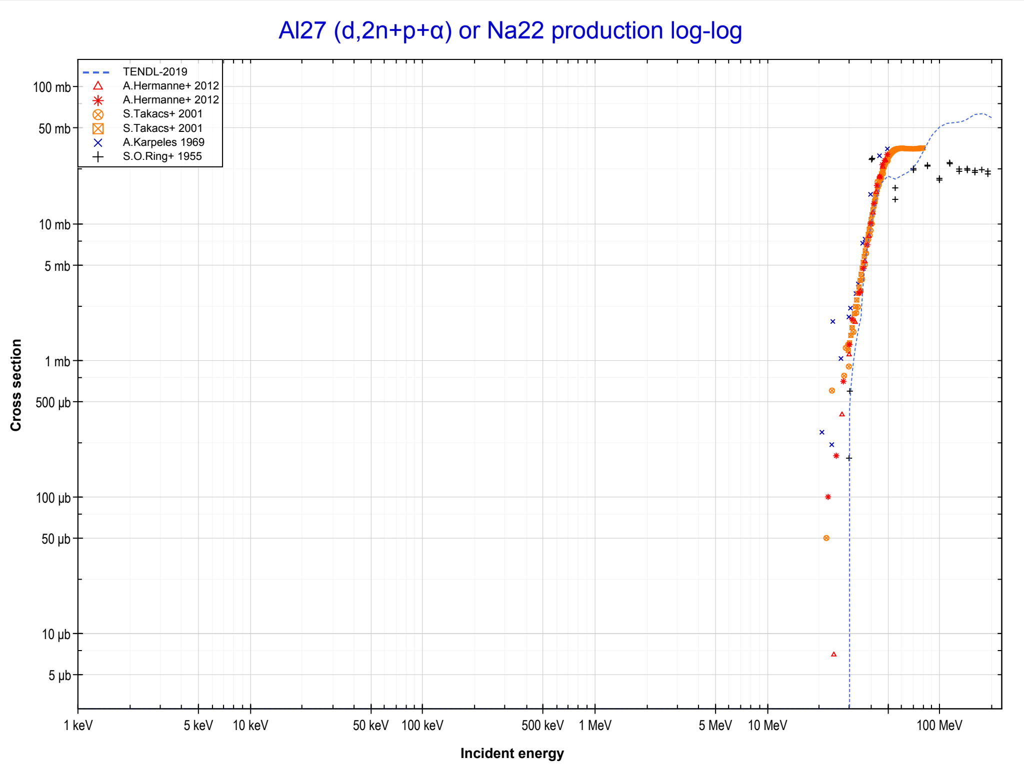
	13-Al-27	23-V-51 >>
<< MT155 (d,t+α)	**MT158 (d,n+d+α) or MT5 (Na22 production)**	MT159 (d,2n+p+α) >>

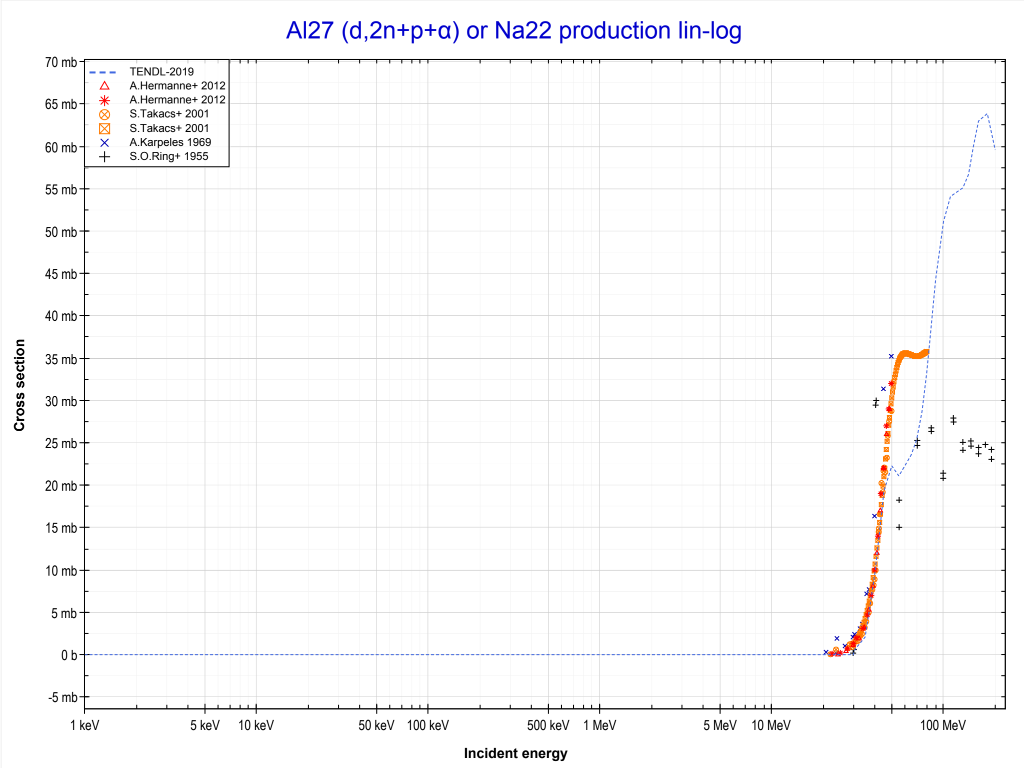




Reaction	Q-Value	Reaction	Q-Value
Al27(d,t+α)Na22	-16254.35 keV	Al27(d,2n+2p+t)Na22	-44550.01 keV
Al27(d,n+d+α)Na22	-22511.58 keV	Al27(d,3n+p+He3)Na22	-45313.77 keV
Al27(d,2n+p+α)Na22	-24736.15 keV	Al27(d,n+3d)Na22	-46358.11 keV
Al27(d,p+2t)Na22	-36068.22 keV	Al27(d,2n+p+2d)Na22	-48582.68 keV
Al27(d,n+t+He3)Na22	-36831.97 keV	Al27(d,3n+2p+d)Na22	-50807.24 keV
Al27(d,2d+t)Na22	-40100.88 keV	Al27(d,4n+3p)Na22	-53031.81 keV
Al27(d,n+p+d+t)Na22	-42325.45 keV		
Al27(d,2n+d+He3)Na22	-43089.20 keV		

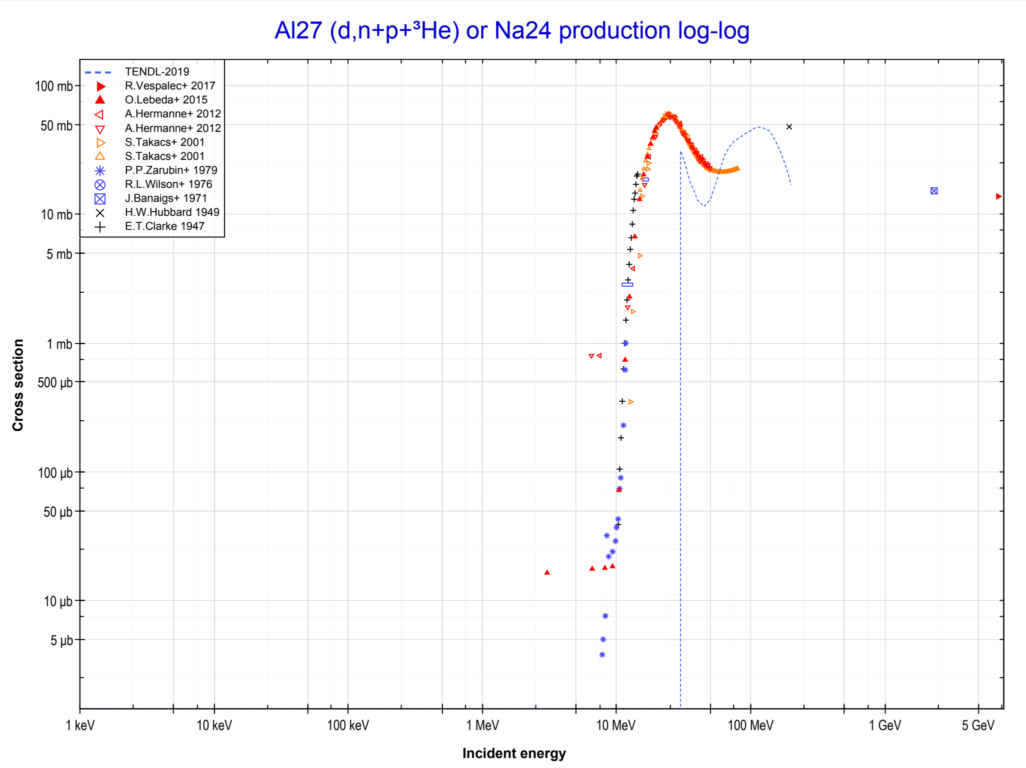
	13-Al-27	23-V-51 >>
<< MT158 (d,n+d+α)	**MT159 (d,2n+p+α) or MT5 (Na22 production)**	MT186 (d,n+p+³He) >>

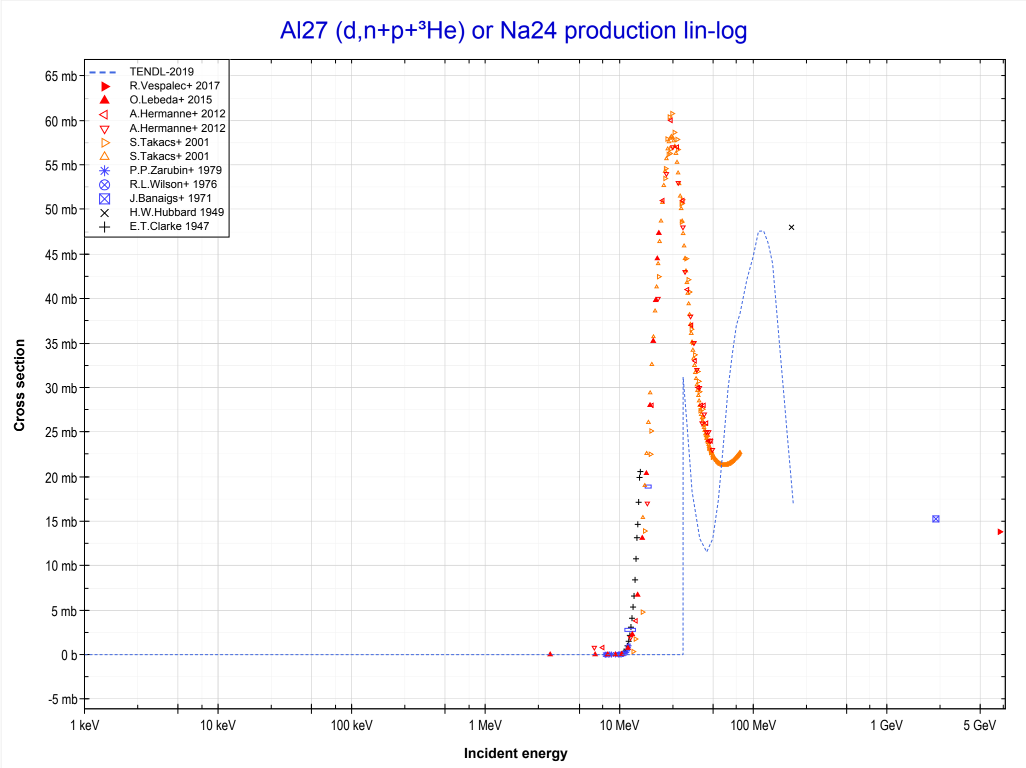




Reaction	Q-Value	Reaction	Q-Value
Al27(d,t+α)Na22	-16254.35 keV	Al27(d,2n+2p+t)Na22	-44550.01 keV
Al27(d,n+d+α)Na22	-22511.58 keV	Al27(d,3n+p+He3)Na22	-45313.77 keV
Al27(d,2n+p+α)Na22	-24736.15 keV	Al27(d,n+3d)Na22	-46358.11 keV
Al27(d,p+2t)Na22	-36068.22 keV	Al27(d,2n+p+2d)Na22	-48582.68 keV
Al27(d,n+t+He3)Na22	-36831.97 keV	Al27(d,3n+2p+d)Na22	-50807.24 keV
Al27(d,2d+t)Na22	-40100.88 keV	Al27(d,4n+3p)Na22	-53031.81 keV
Al27(d,n+p+d+t)Na22	-42325.45 keV		
Al27(d,2n+d+He3)Na22	-43089.20 keV		

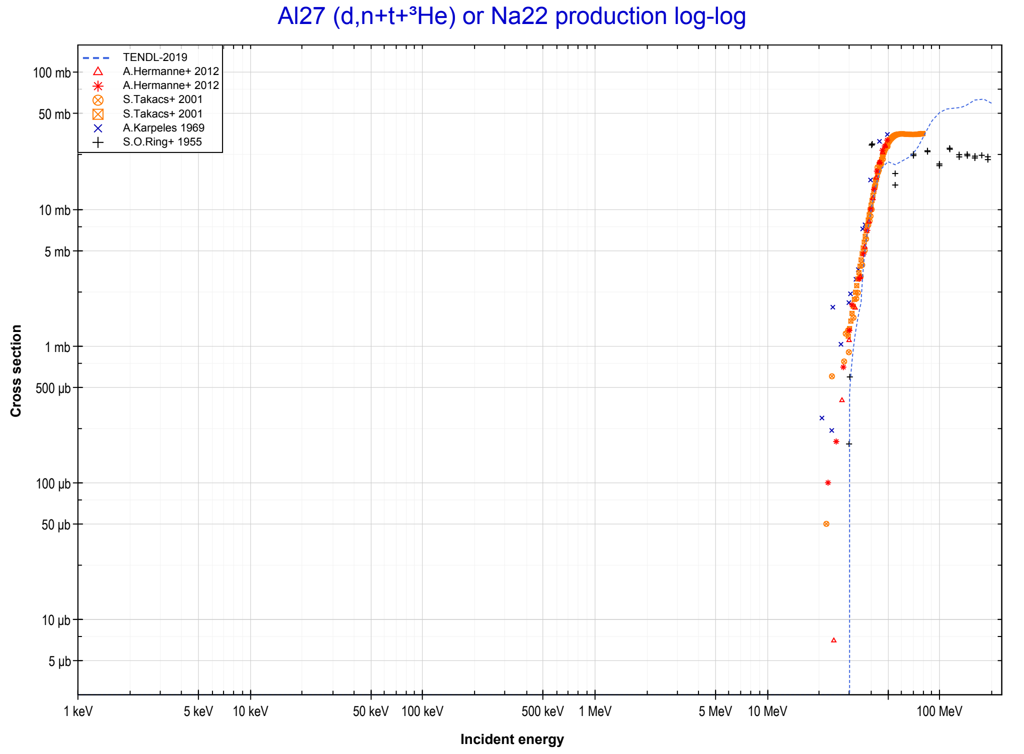
	13-Al-27	23-V-51 >>
<< MT159 (d,2n+p+α)	**MT186 (d,n+p+³He) or MT5 (Na24 production)**	MT188 (d,n+t+³He) >>

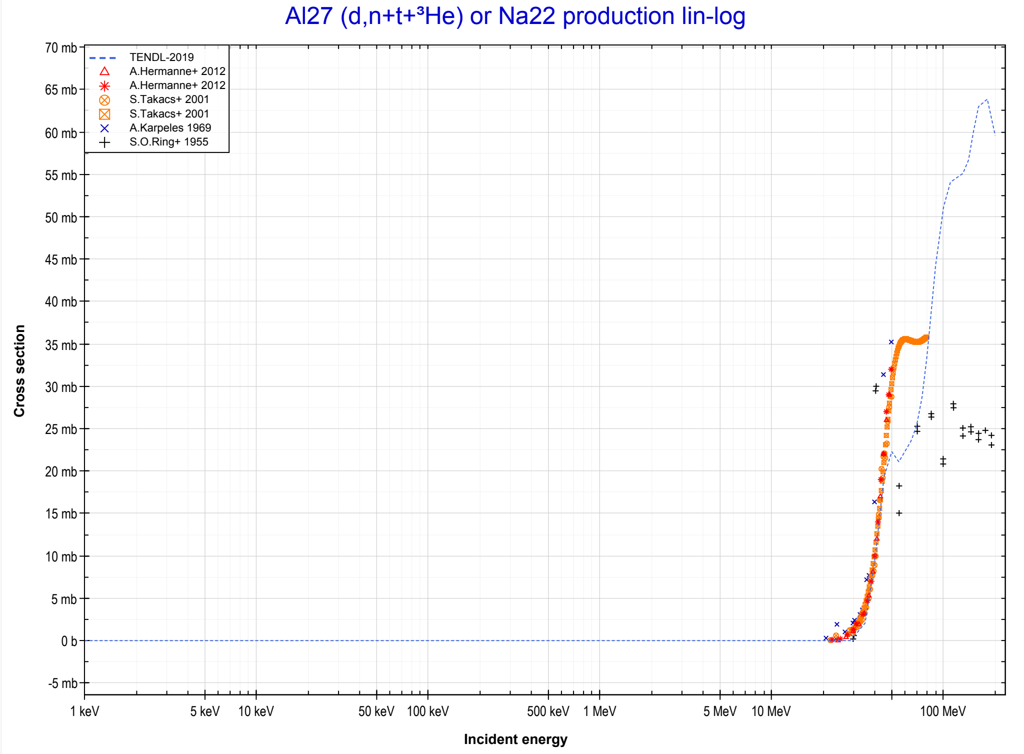




Reaction	Q-Value
Al27(d,p+α)Na24	-5357.12 keV
Al27(d,d+He3)Na24	-23710.18 keV
Al27(d,2p+t)Na24	-25170.99 keV
Al27(d,n+p+He3)Na24	-25934.74 keV
Al27(d,p+2d)Na24	-29203.65 keV
Al27(d,n+2p+d)Na24	-31428.22 keV
Al27(d,2n+3p)Na24	-33652.78 keV

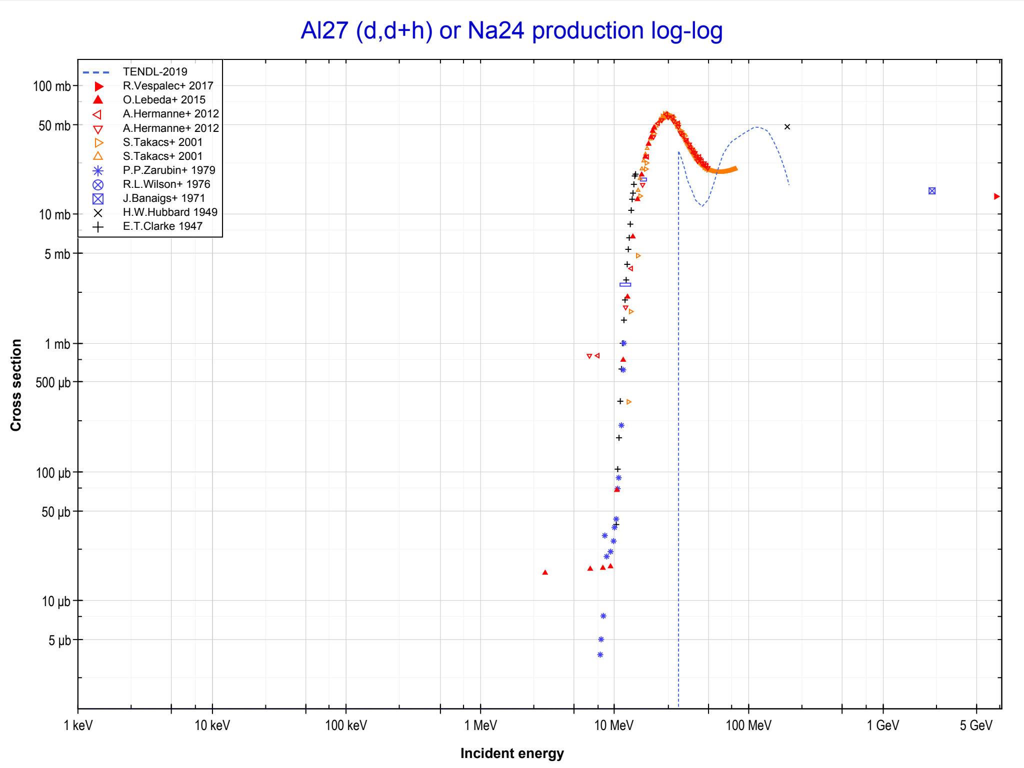
	13-Al-27	23-V-51 >>
<< MT186 (d,n+p+³He)	**MT188 (d,n+t+³He) or MT5 (Na22 production)**	MT192 (d,d+³He) >>

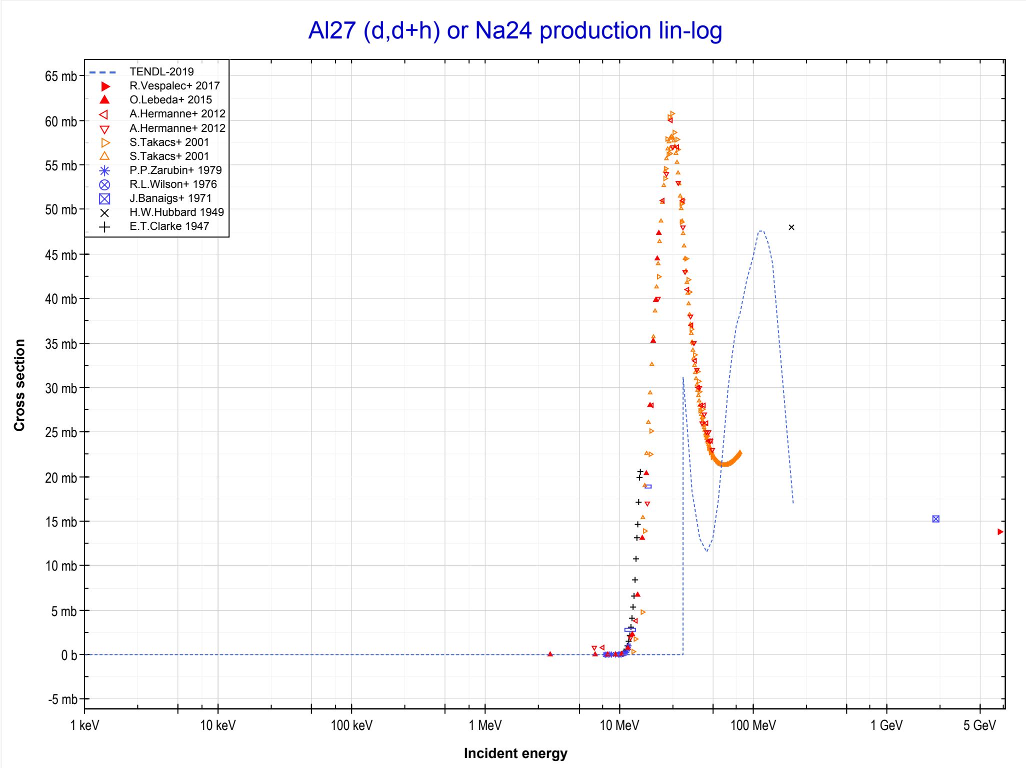




Reaction	Q-Value	Reaction	Q-Value
Al27(d,t+α)Na22	-16254.35 keV	Al27(d,2n+2p+t)Na22	-44550.01 keV
Al27(d,n+d+α)Na22	-22511.58 keV	Al27(d,3n+p+He3)Na22	-45313.77 keV
Al27(d,2n+p+α)Na22	-24736.15 keV	Al27(d,n+3d)Na22	-46358.11 keV
Al27(d,p+2t)Na22	-36068.22 keV	Al27(d,2n+p+2d)Na22	-48582.68 keV
Al27(d,n+t+He3)Na22	-36831.97 keV	Al27(d,3n+2p+d)Na22	-50807.24 keV
Al27(d,2d+t)Na22	-40100.88 keV	Al27(d,4n+3p)Na22	-53031.81 keV
Al27(d,n+p+d+t)Na22	-42325.45 keV		
Al27(d,2n+d+He3)Na22	-43089.20 keV		

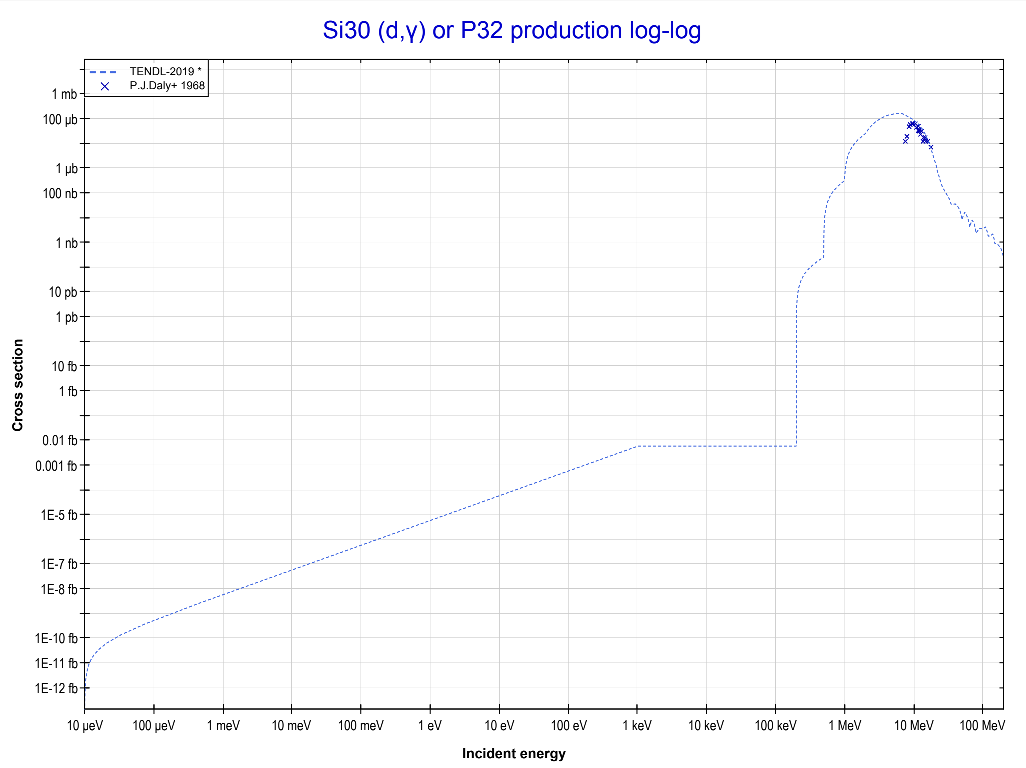
	13-Al-27	23-V-51 >>
<< MT188 (d,n+t+³He)	**MT192 (d,d+³He) or MT5 (Na24 production)**	14-Si-30 MT102 (d,γ) >>

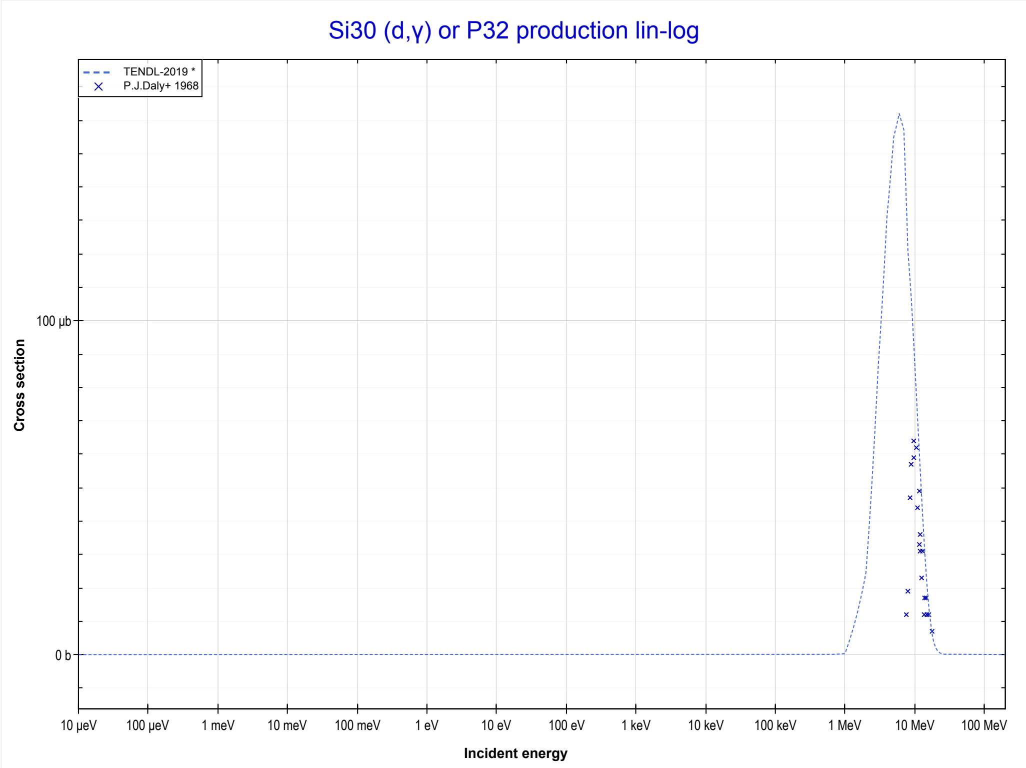




Reaction	Q-Value
Al27(d,p+α)Na24	-5357.12 keV
Al27(d,d+He3)Na24	-23710.18 keV
Al27(d,2p+t)Na24	-25170.99 keV
Al27(d,n+p+He3)Na24	-25934.74 keV
Al27(d,p+2d)Na24	-29203.65 keV
Al27(d,n+2p+d)Na24	-31428.22 keV
Al27(d,2n+3p)Na24	-33652.78 keV

<< 8-O-16	**14-Si-30**	24-Cr-54 >>
<< 13-Al-27 MT192 (d,d+³He)	**MT102 (d,γ) or MT5 (P32 production)**	16-S-32 MT107 (d,α) >>

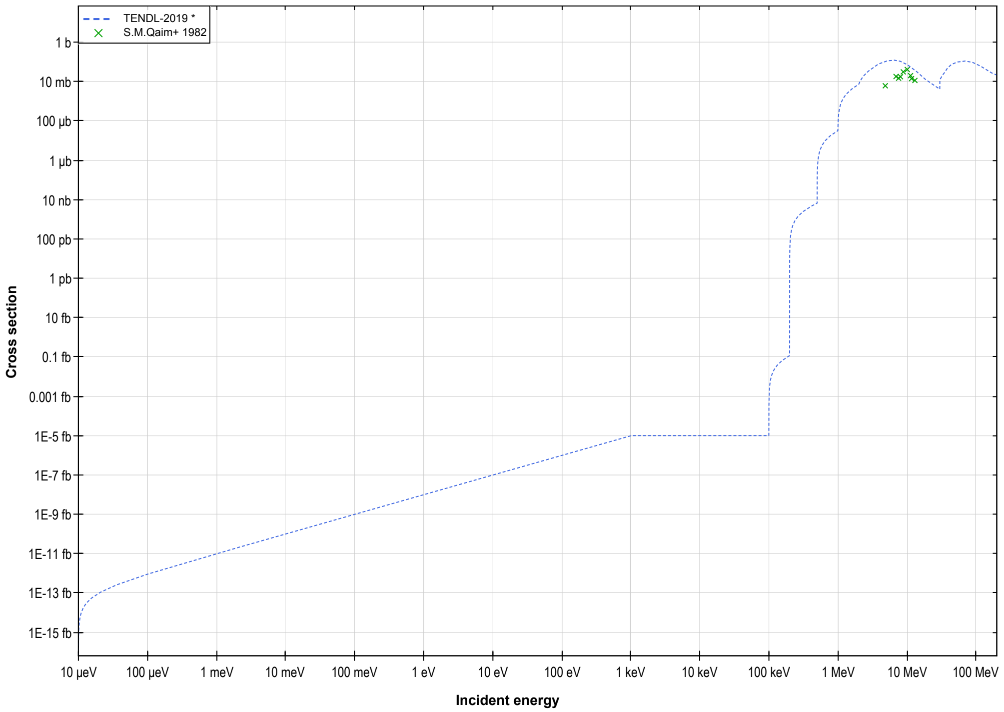




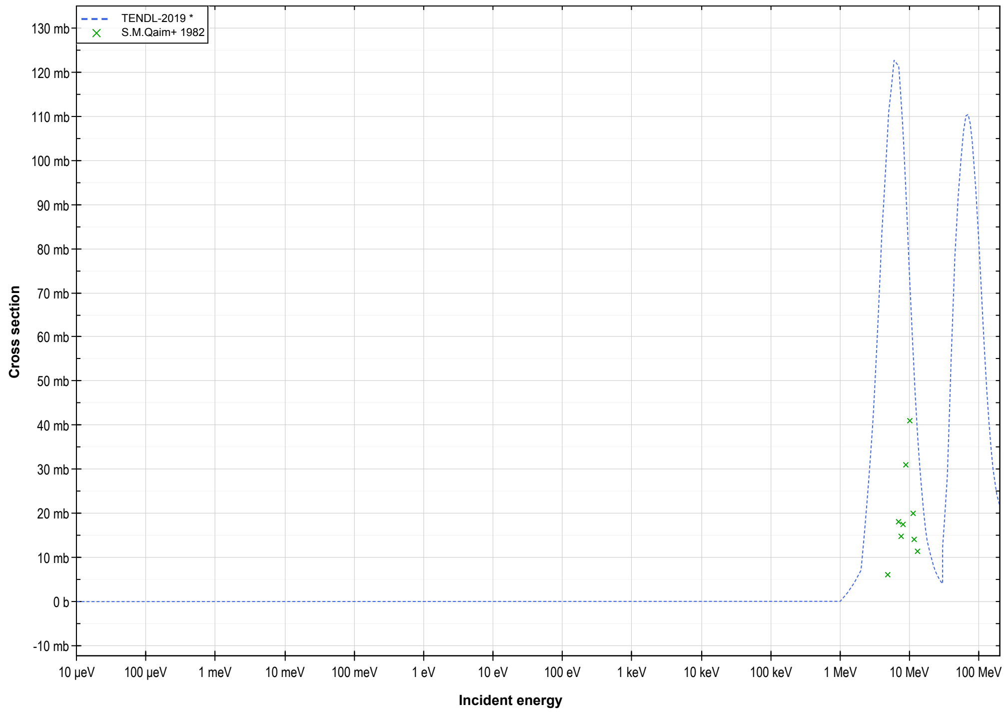
Reaction	Q-Value
Si30(d,γ)P32	13007.63 keV

<< 12-Mg-26	**16-S-32**	16-S-34 >>
<< 14-Si-30 MT102 (d,γ)	**MT107 (d,α) or MT5 (P30 production)**	MT111 (d,2p) >>

S32 (d,α) or P30 production log-log

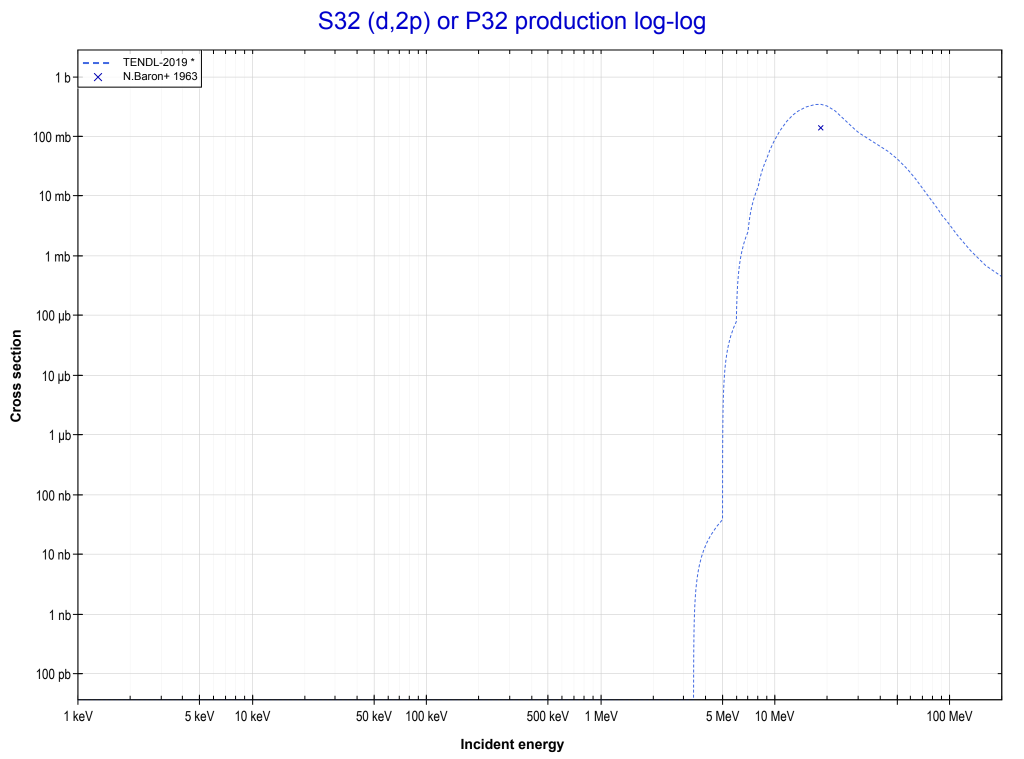


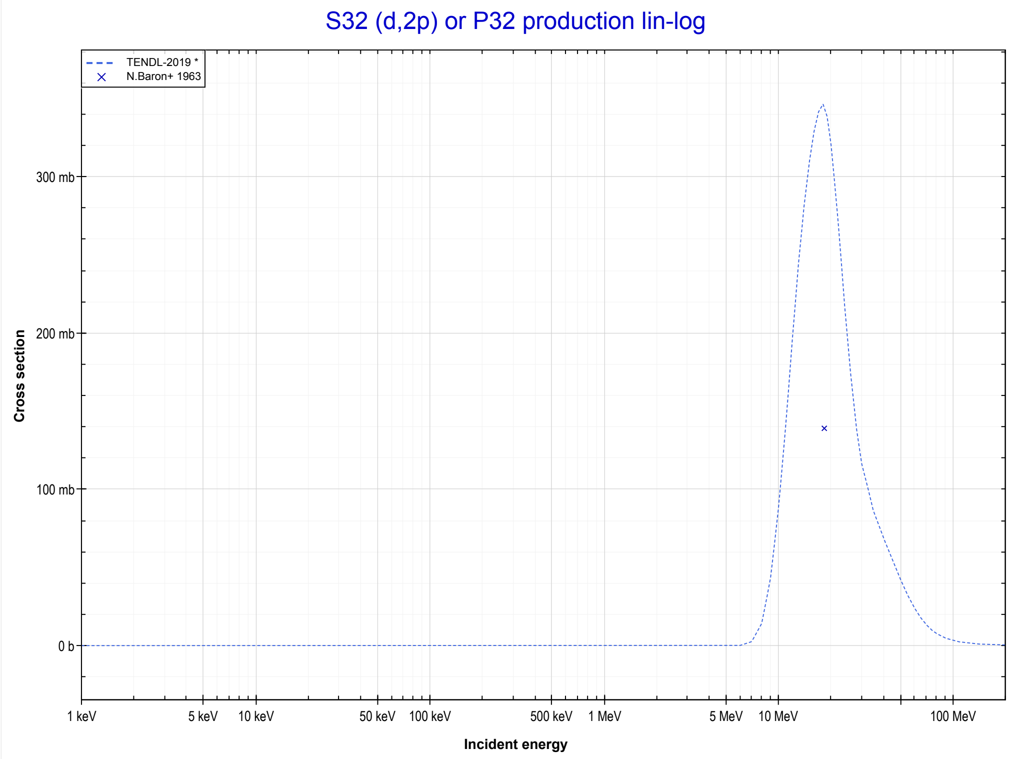
S32 (d,α) or P30 production lin-log



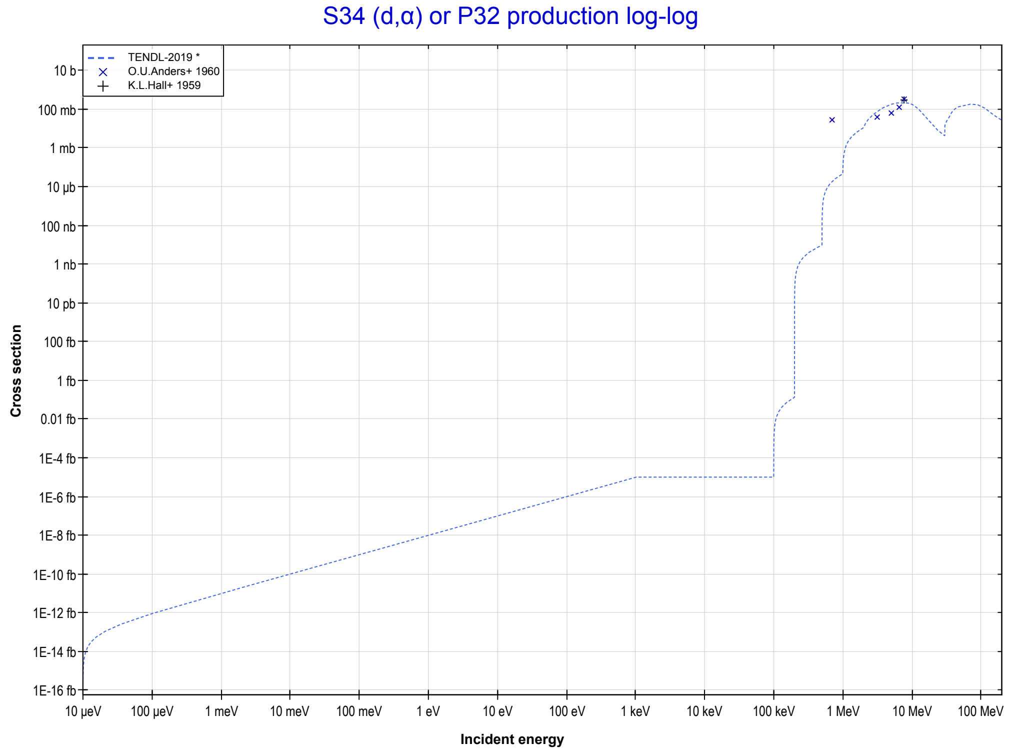
Reaction	Q-Value
S32(d,α)P30	4896.12 keV
S32(d,p+t)P30	-14917.74 keV
S32(d,n+He3)P30	-15681.50 keV
S32(d,2d)P30	-18950.41 keV
S32(d,n+p+d)P30	-21174.97 keV
S32(d,2n+2p)P30	-23399.54 keV

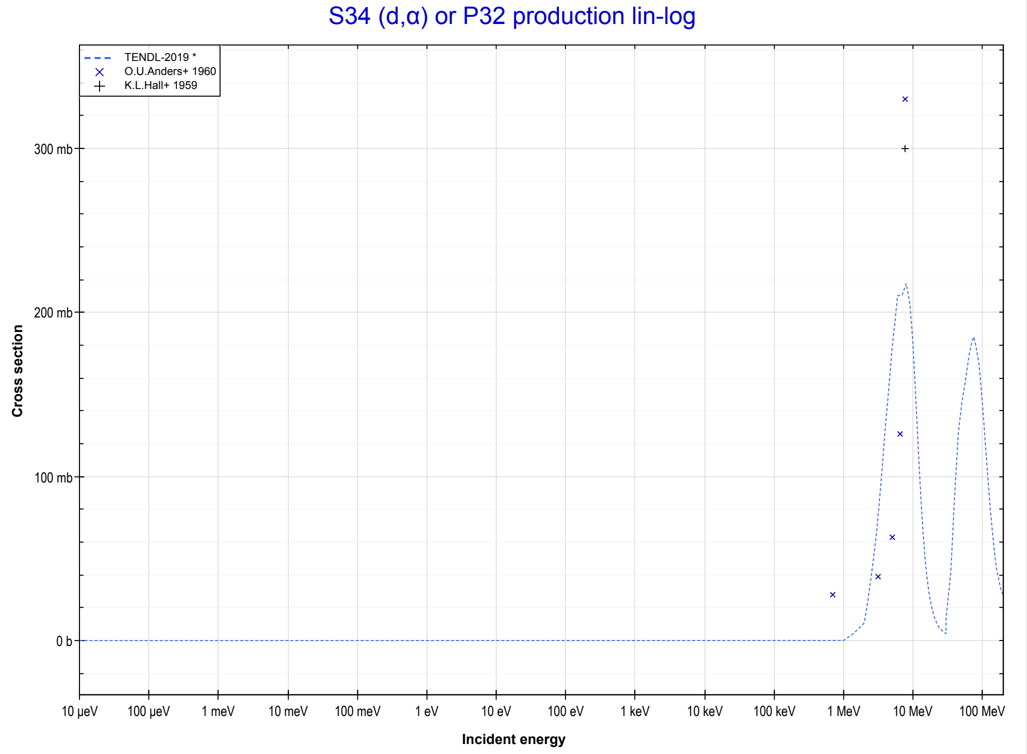
<< 13-Al-27	**16-S-32**	22-Ti-47 >>
<< MT107 (d,α)	**MT111 (d,2p) or MT5 (P32 production)**	16-S-34 MT107 (d,α) >>





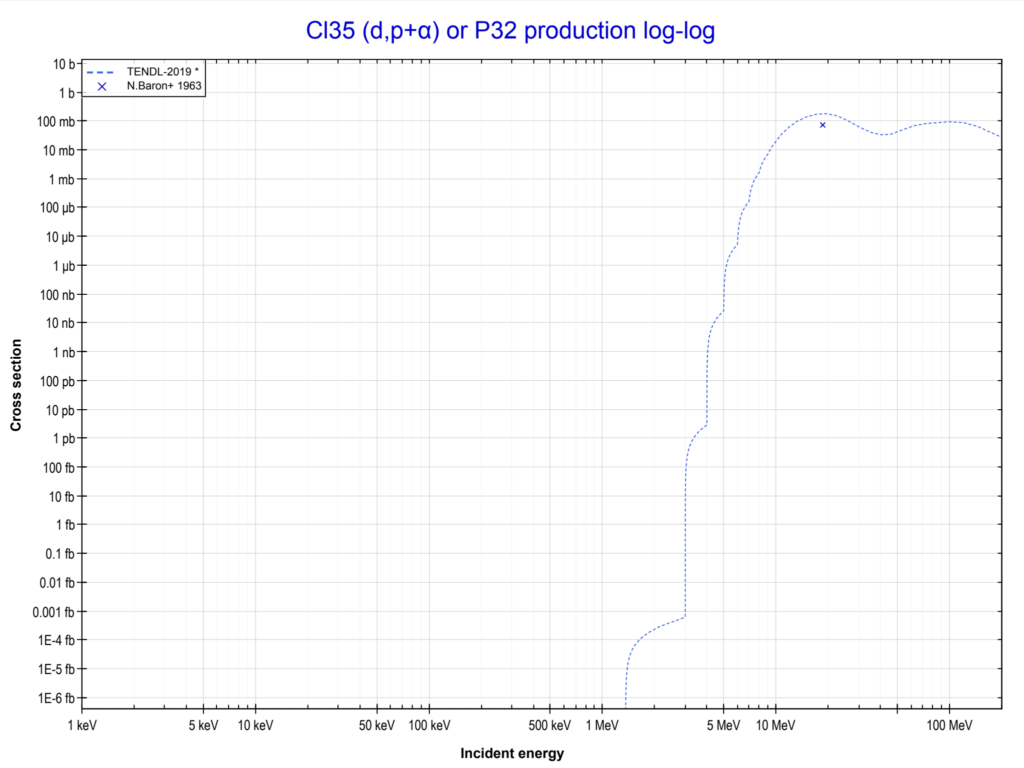
Reaction	Q-Value
S32(d,2p)P32	-3152.88 keV

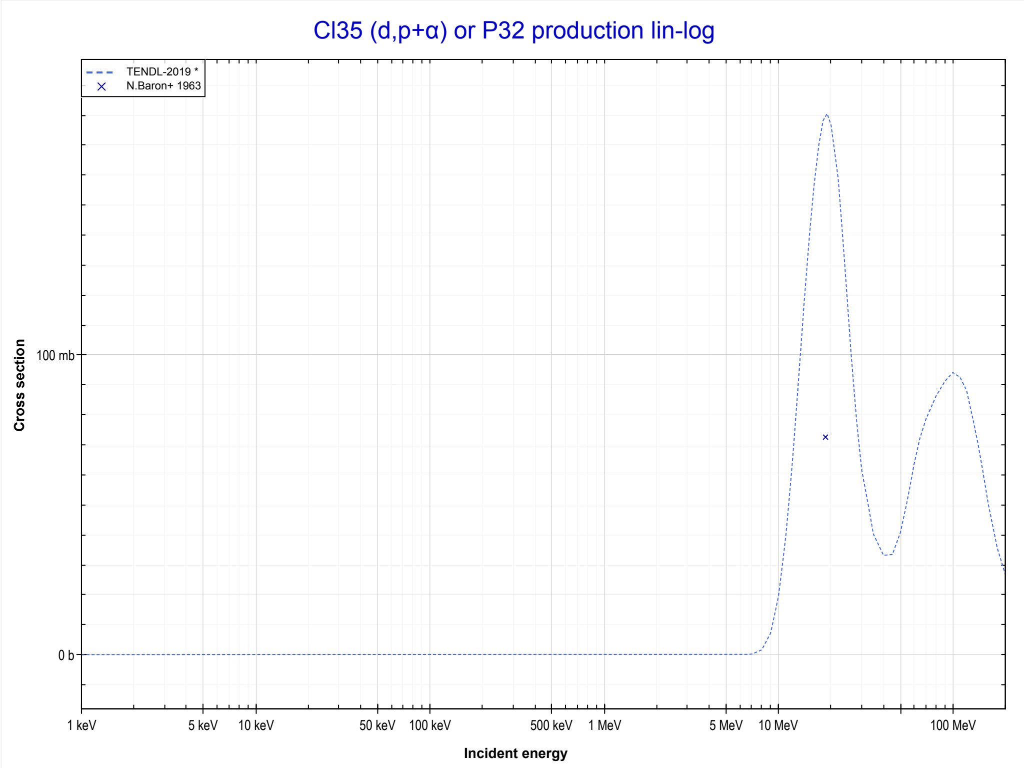




Reaction	Q-Value
S34(d,α)P32	5083.99 keV
S34(d,p+t)P32	-14729.88 keV
S34(d,n+He3)P32	-15493.63 keV
S34(d,2d)P32	-18762.54 keV
S34(d,n+p+d)P32	-20987.11 keV
S34(d,2n+2p)P32	-23211.67 keV

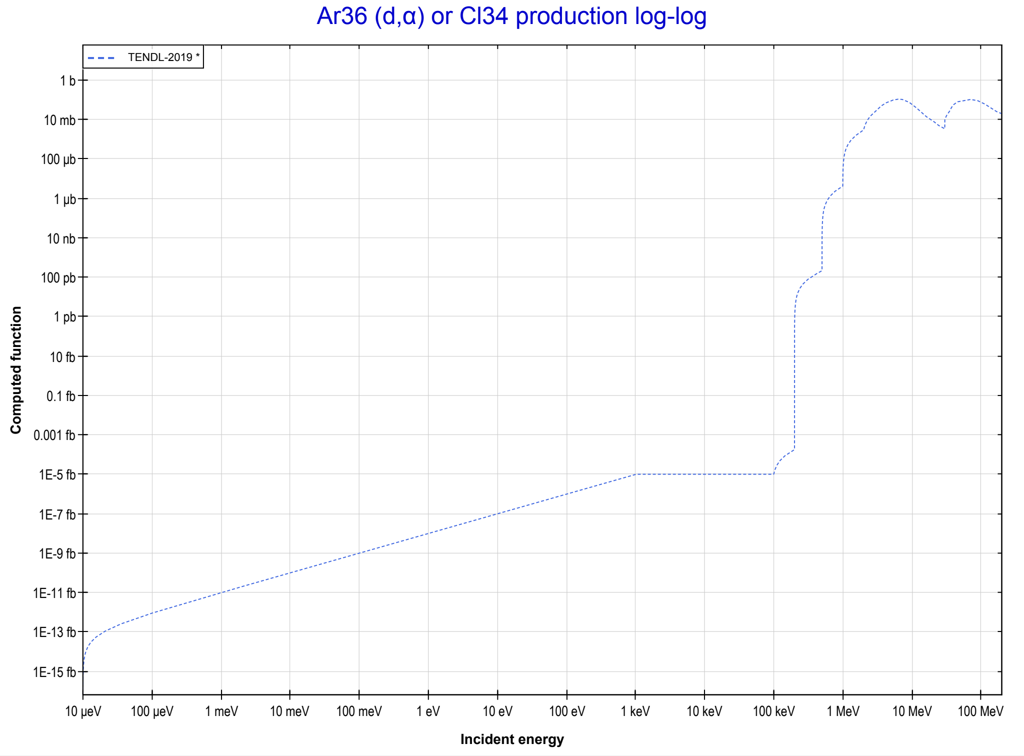
<< 13-Al-27	**17-Cl-35**	23-V-51 >>
<< 16-S-34 MT107 (d,α)	**MT112 (d,p+α) or MT5 (P32 production)**	18-Ar-36 MT107 (d,α) >>

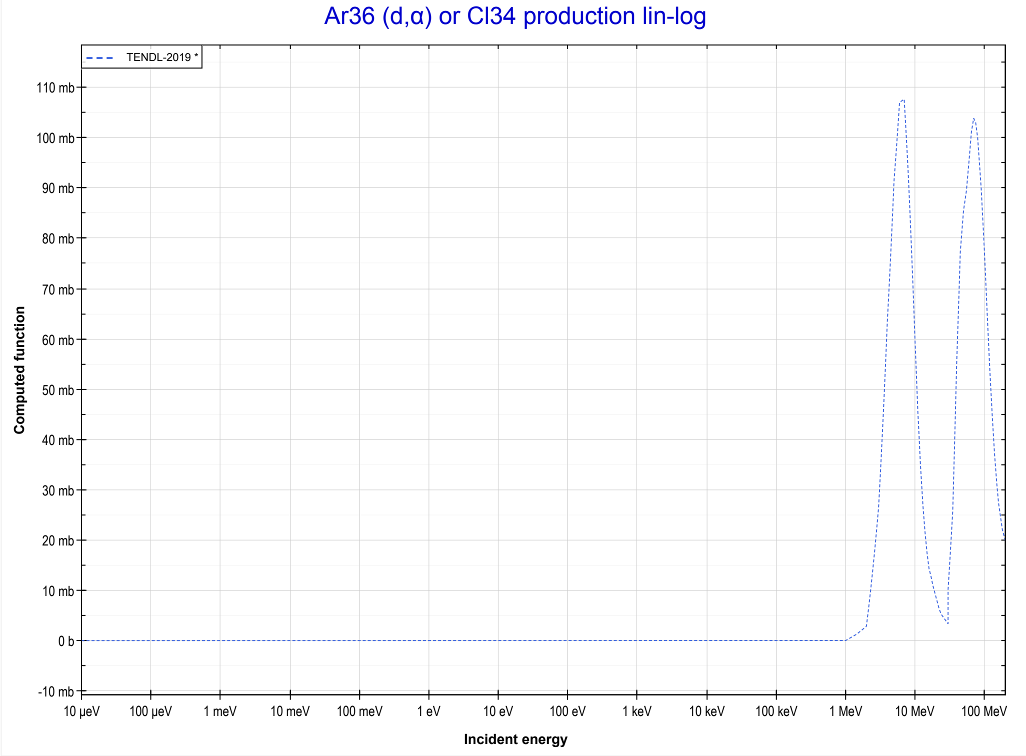




Reaction	Q-Value
Cl35(d,p+α)P32	-1286.82 keV
Cl35(d,d+He3)P32	-19639.88 keV
Cl35(d,2p+t)P32	-21100.69 keV
Cl35(d,n+p+He3)P32	-21864.44 keV
Cl35(d,p+2d)P32	-25133.35 keV
Cl35(d,n+2p+d)P32	-27357.92 keV
Cl35(d,2n+3p)P32	-29582.48 keV

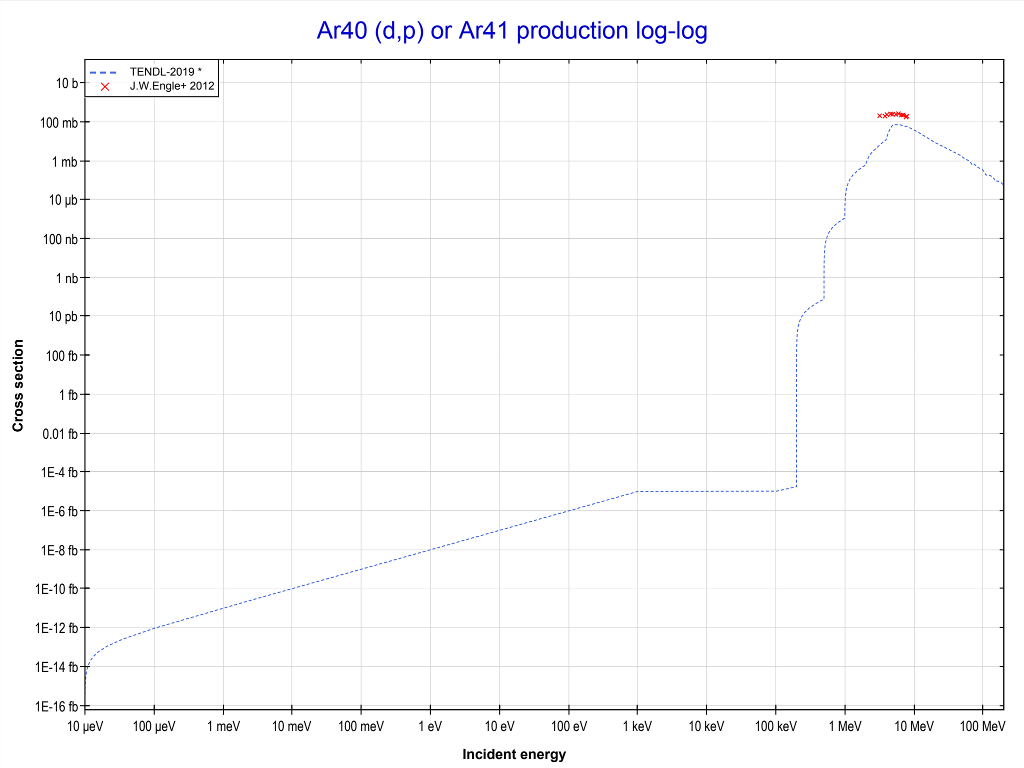
<< 16-S-34	**18-Ar-36**	18-Ar-40 >>
<< 17-Cl-35 MT112 (d,p+α)	**MT107 (d,α) or MT5 (Cl34 production)**	18-Ar-40 MT103 (d,p) >>

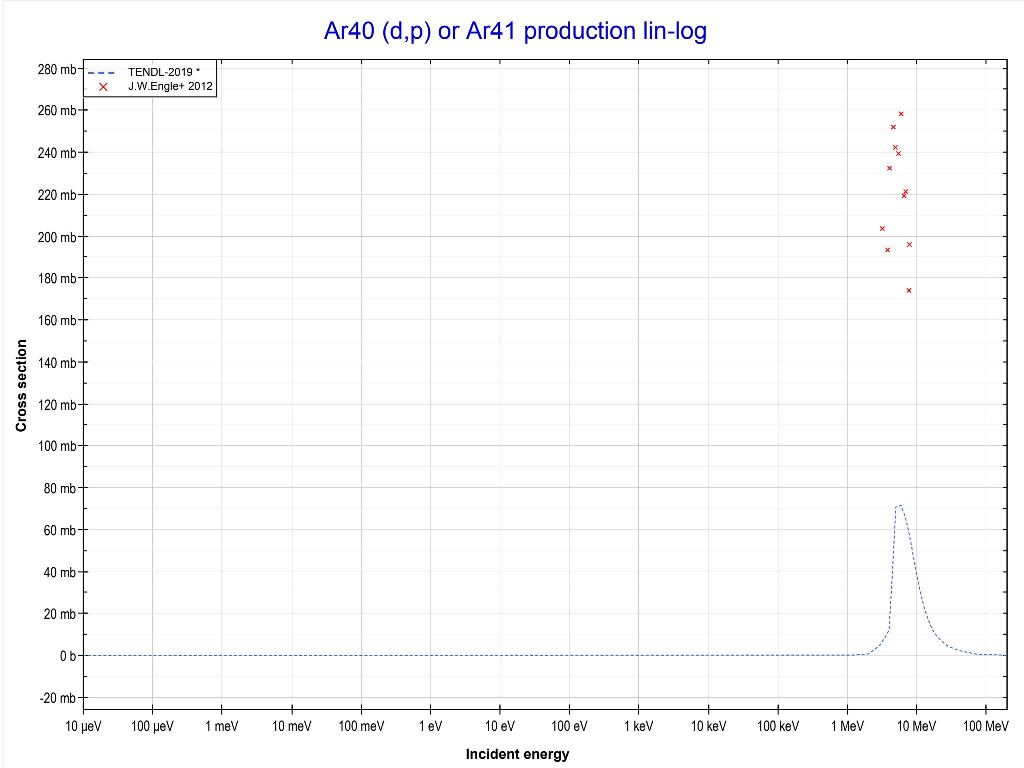




Reaction	Q-Value
Ar36(d,α)Cl34	4919.35 keV
Ar36(d,p+t)Cl34	-14894.52 keV
Ar36(d,n+He3)Cl34	-15658.27 keV
Ar36(d,2d)Cl34	-18927.18 keV
Ar36(d,n+p+d)Cl34	-21151.75 keV
Ar36(d,2n+2p)Cl34	-23376.31 keV

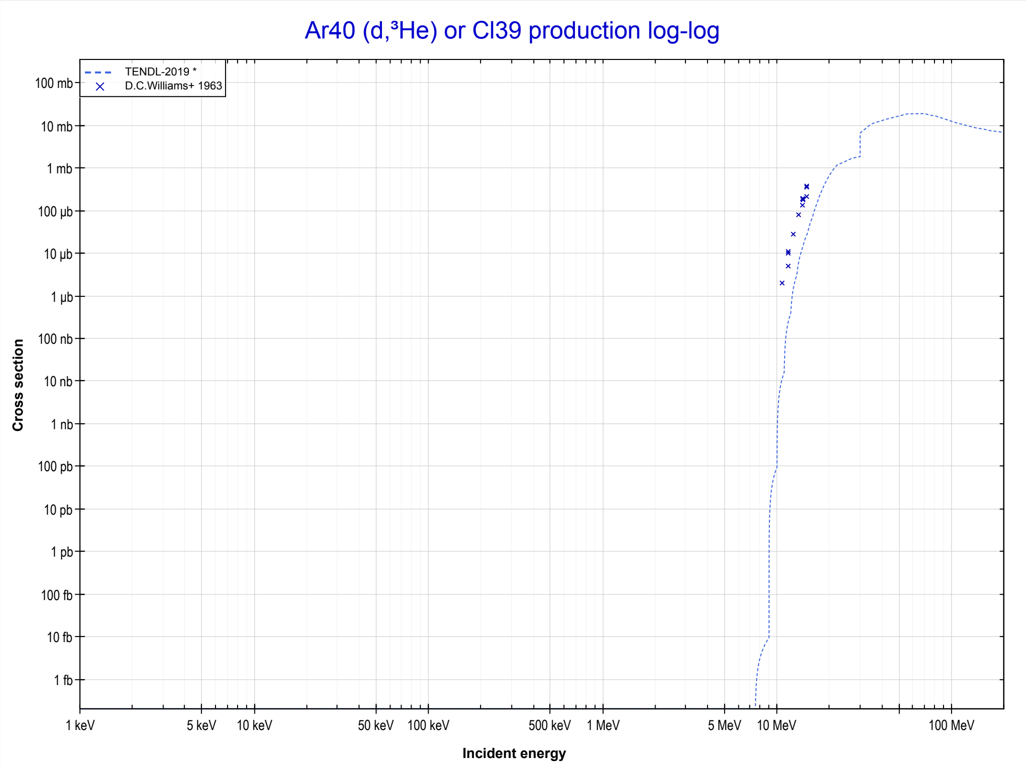
<< 13-Al-27	**18-Ar-40**	19-K-41 >>
<< 18-Ar-36 MT107 (d,α)	**MT103 (d,p) or MT5 (Ar41 production)**	MT106 (d,³He) >>

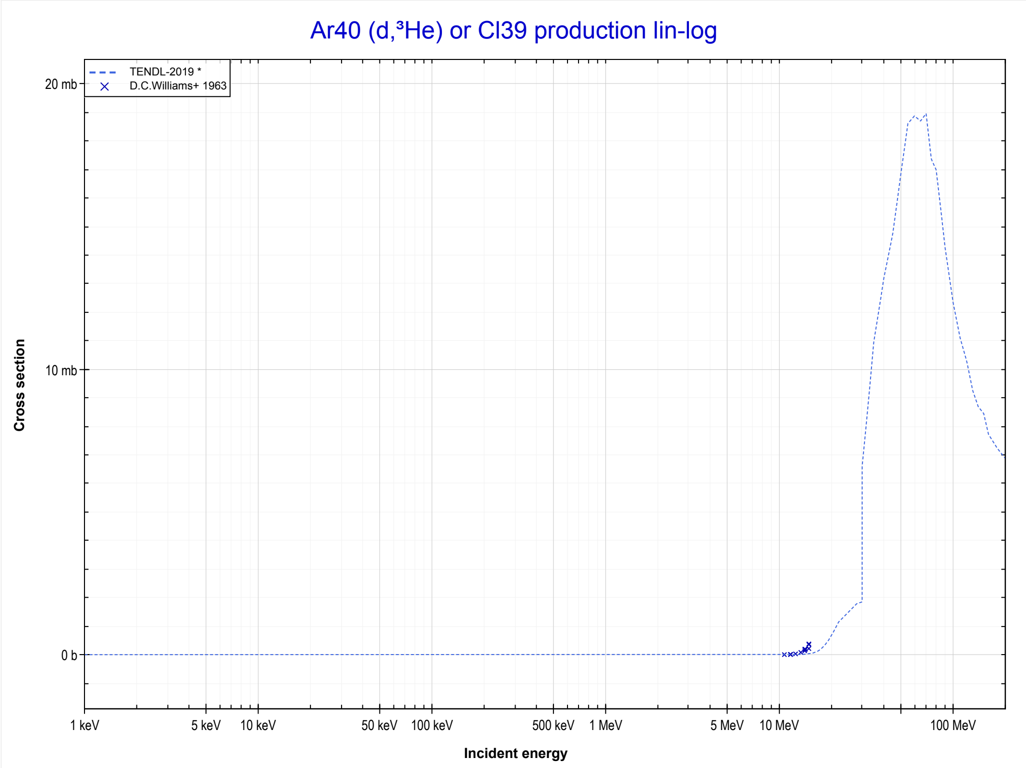




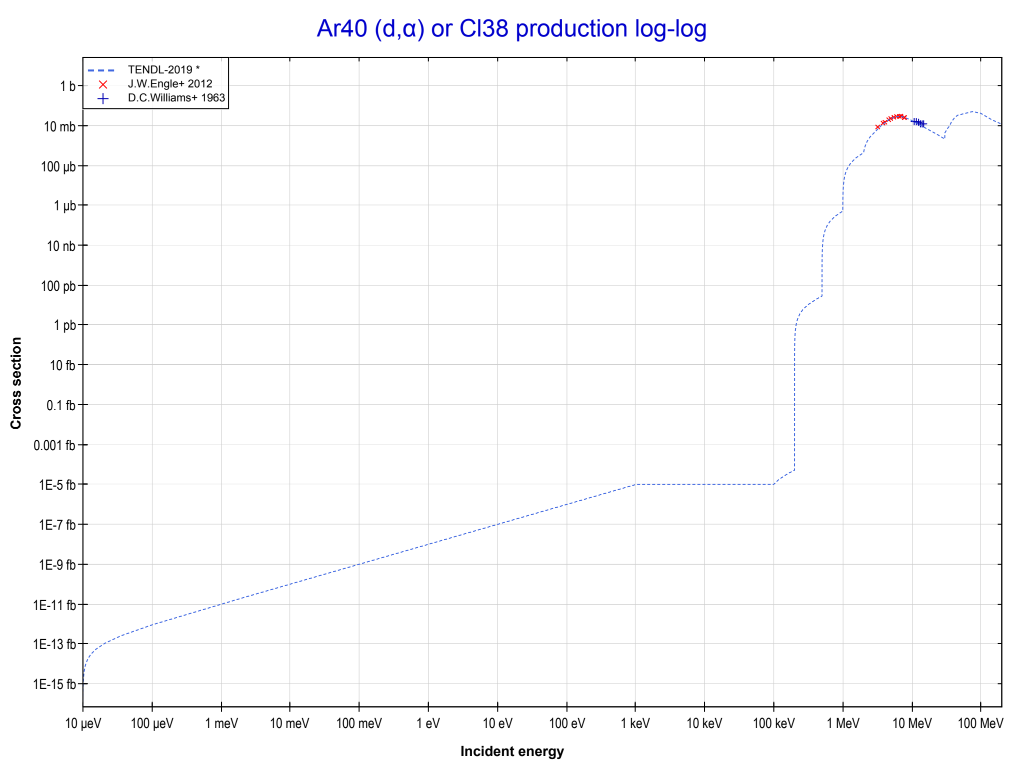
Reaction	Q-Value
Ar40(d,p)Ar41	3874.36 keV

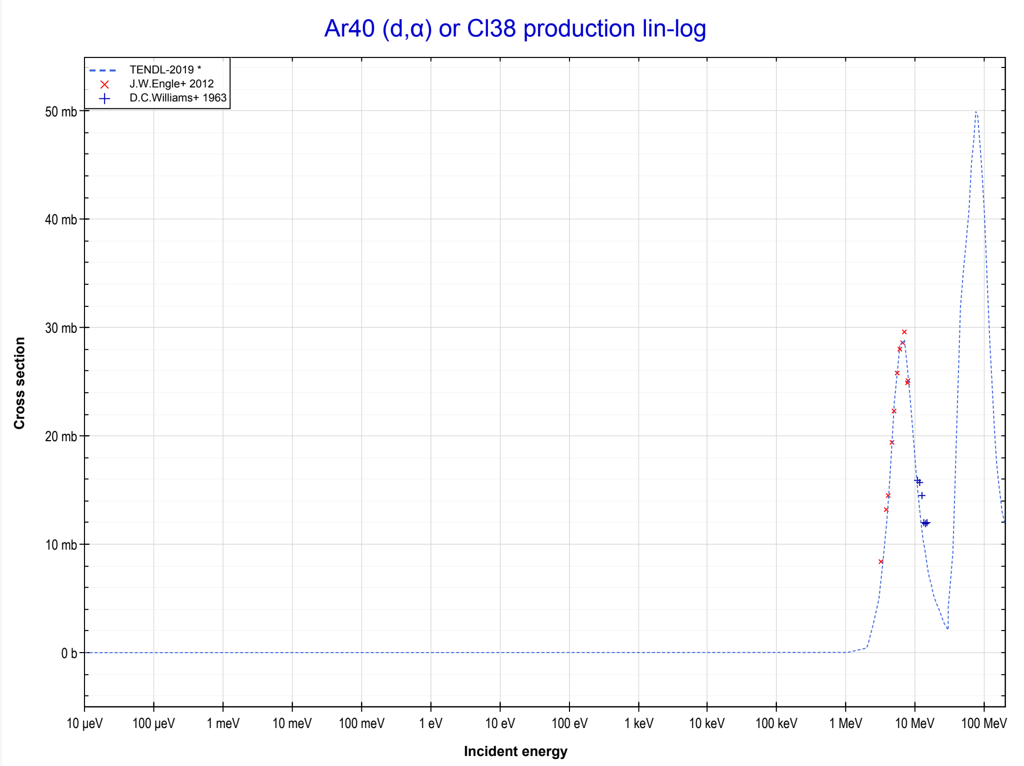
	18-Ar-40	30-Zn-68 >>
<< MT103 (d,p)	**MT106 (d,³He) or MT5 (Cl39 production)**	MT107 (d,α) >>





Reaction	Q-Value
Ar40(d,He3)Cl39	-7035.19 keV
Ar40(d,p+d)Cl39	-12528.67 keV
Ar40(d,n+2p)Cl39	-14753.23 keV

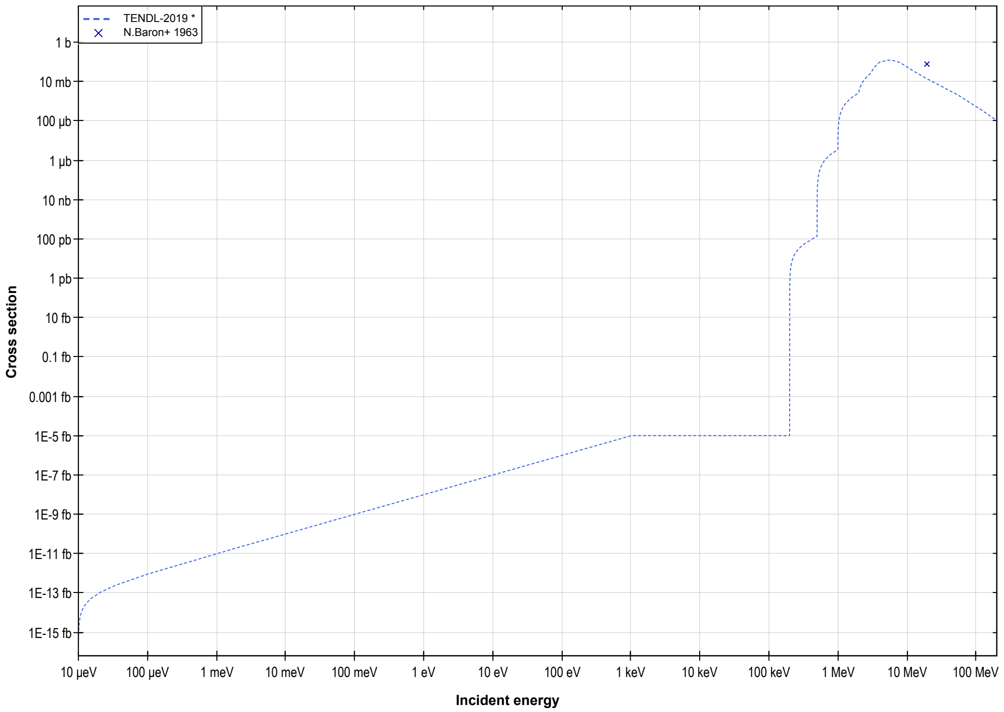




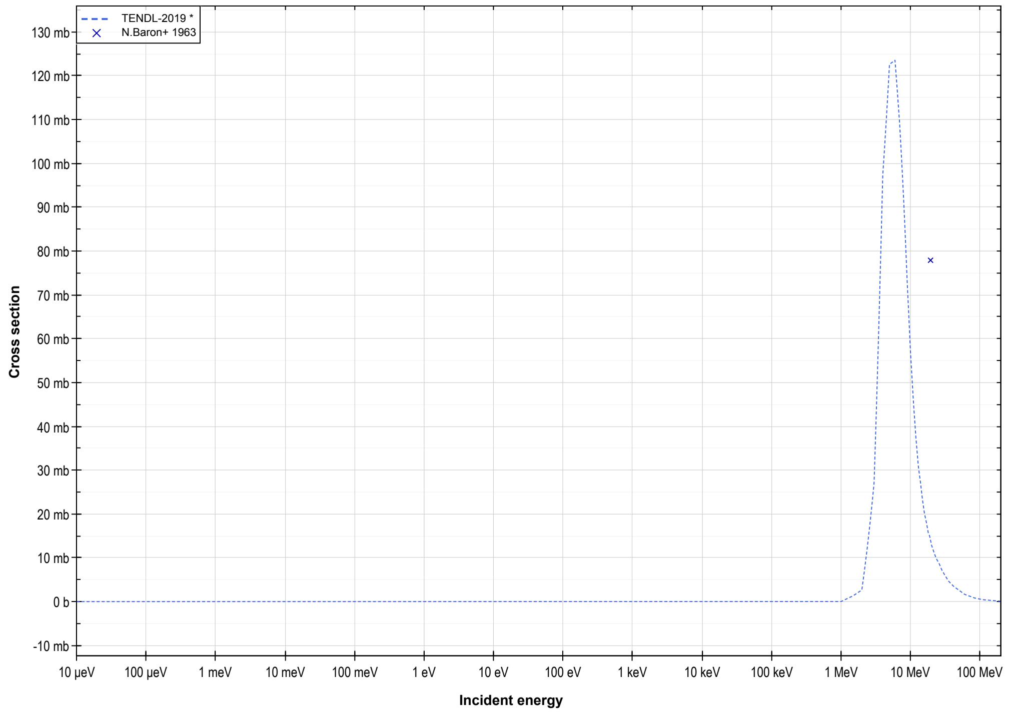
Reaction	Q-Value
Ar40(d,α)Cl38	5469.01 keV
Ar40(d,p+t)Cl38	-14344.85 keV
Ar40(d,n+He3)Cl38	-15108.61 keV
Ar40(d,2d)Cl38	-18377.52 keV
Ar40(d,n+p+d)Cl38	-20602.08 keV
Ar40(d,2n+2p)Cl38	-22826.65 keV

<< 18-Ar-40	**19-K-41**	20-Ca-48 >>
<< 18-Ar-40 MT107 (d,α)	**MT103 (d,p) or MT5 (K42 production)**	20-Ca-40 MT107 (d,α) >>

K41 (d,p) or K42 production log-log

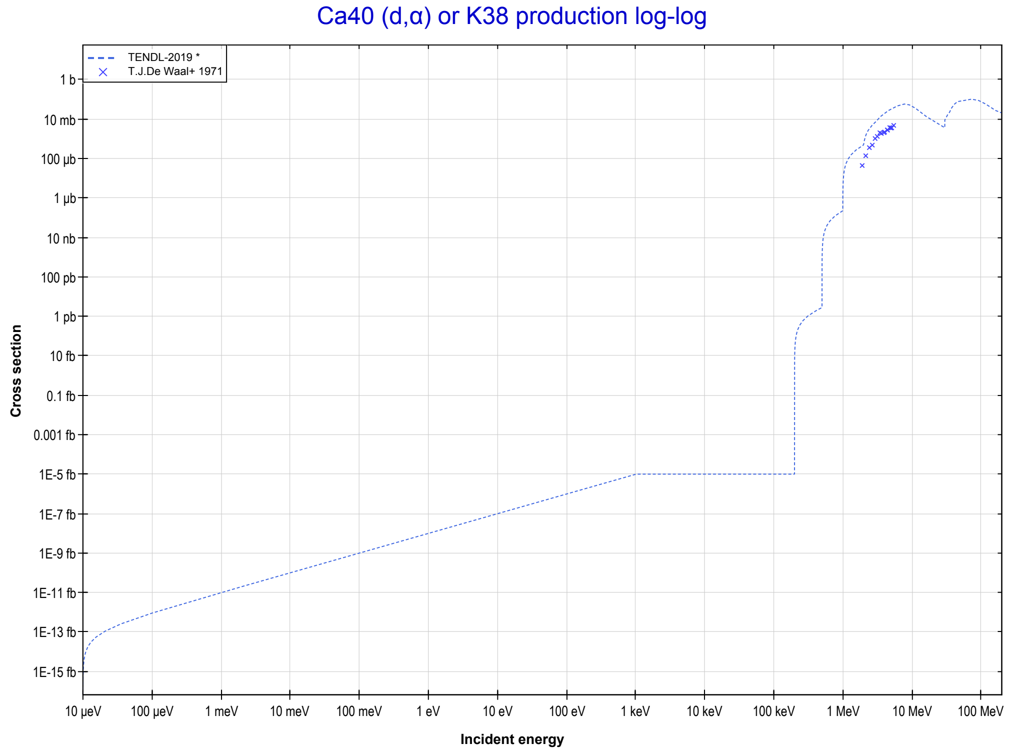


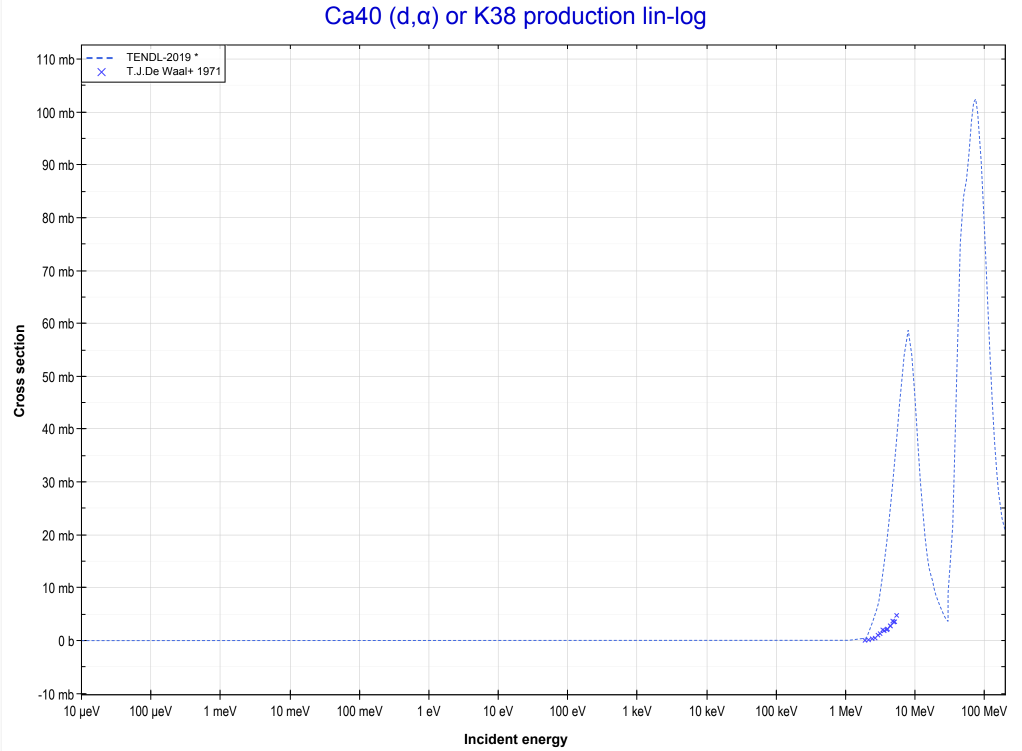
K41 (d,p) or K42 production lin-log



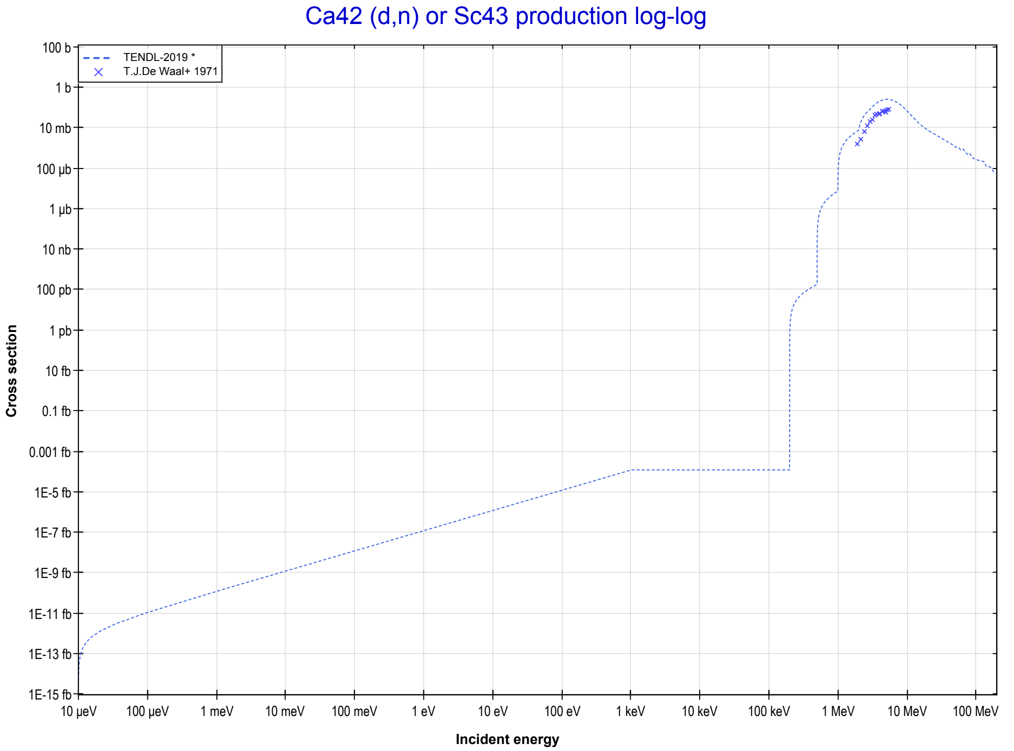
Reaction	Q-Value
K41(d,p)K42	5309.24 keV

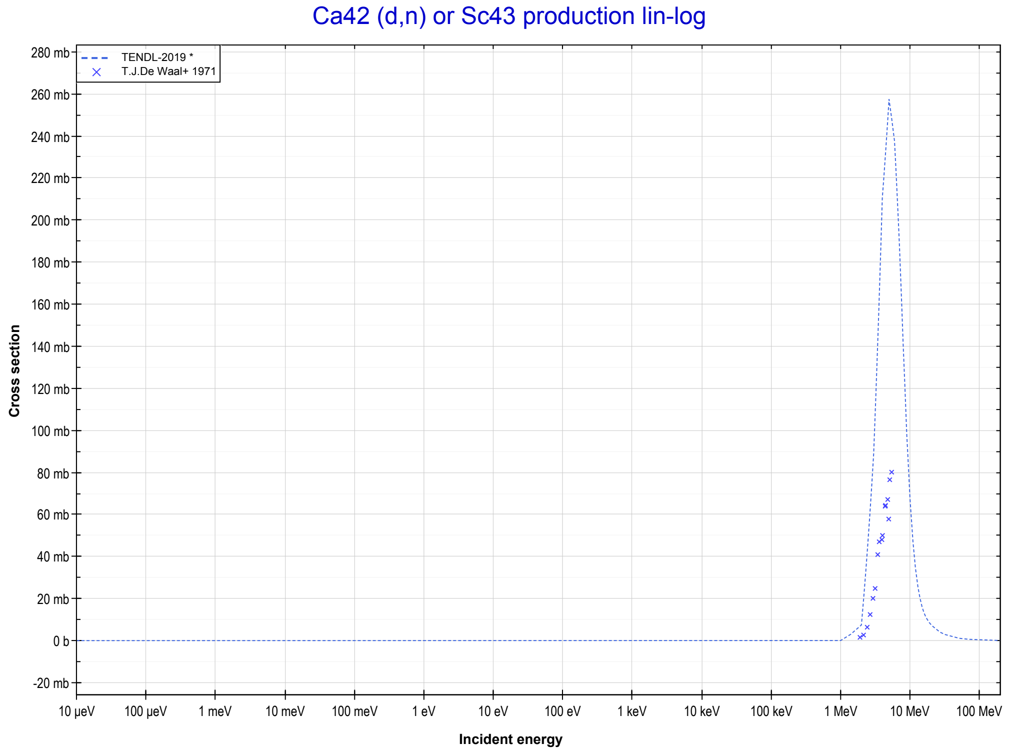
<< 18-Ar-40	**20-Ca-40**	22-Ti-46 >>
<< 19-K-41 MT103 (d,p)	**MT107 (d,α) or MT5 (K38 production)**	20-Ca-42 MT4 (d,n) >>





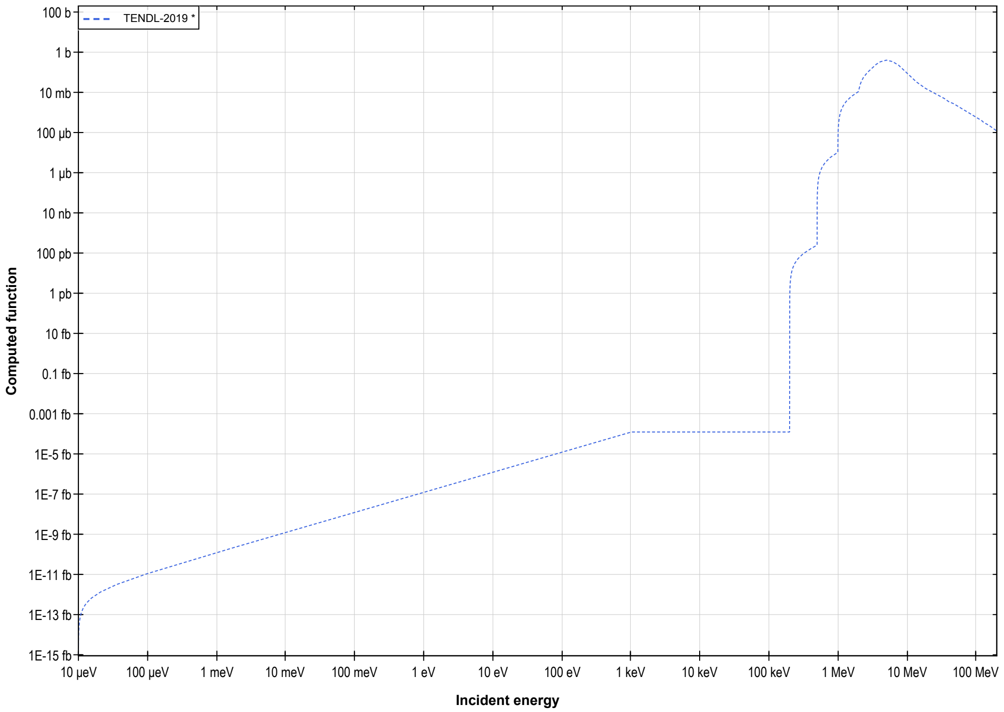
Reaction	Q-Value
Ca40(d,α)K38	4665.17 keV
Ca40(d,p+t)K38	-15148.69 keV
Ca40(d,n+He3)K38	-15912.45 keV
Ca40(d,2d)K38	-19181.36 keV
Ca40(d,n+p+d)K38	-21405.92 keV
Ca40(d,2n+2p)K38	-23630.49 keV



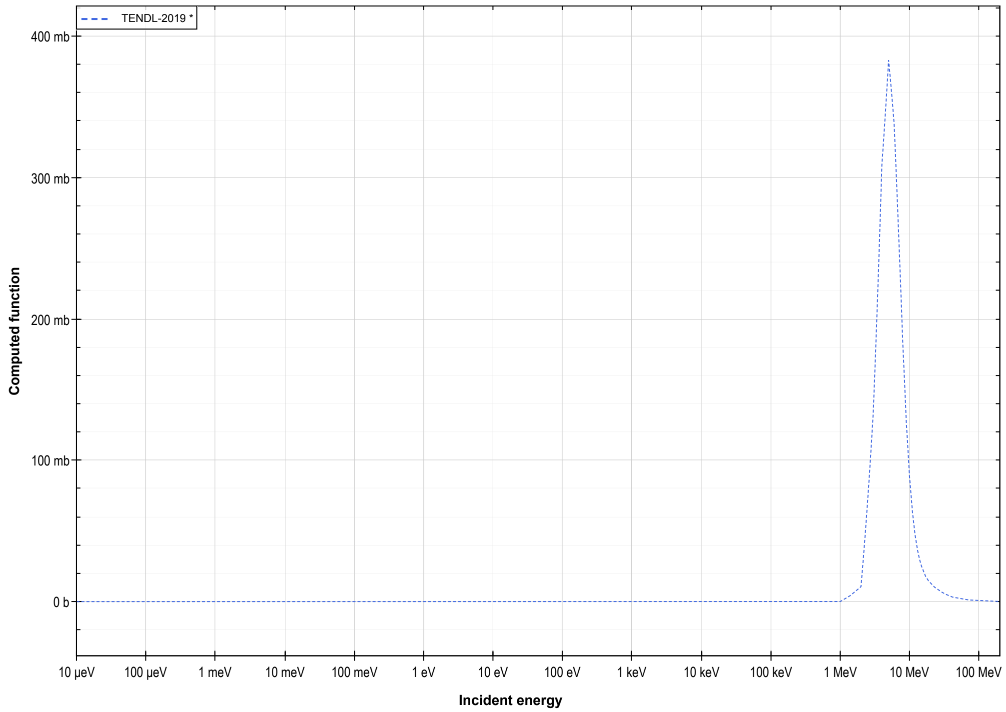


Reaction	Q-Value
Ca42(d,n)Sc43	2705.26 keV

Ca43 (d,n) or Sc44 production log-log

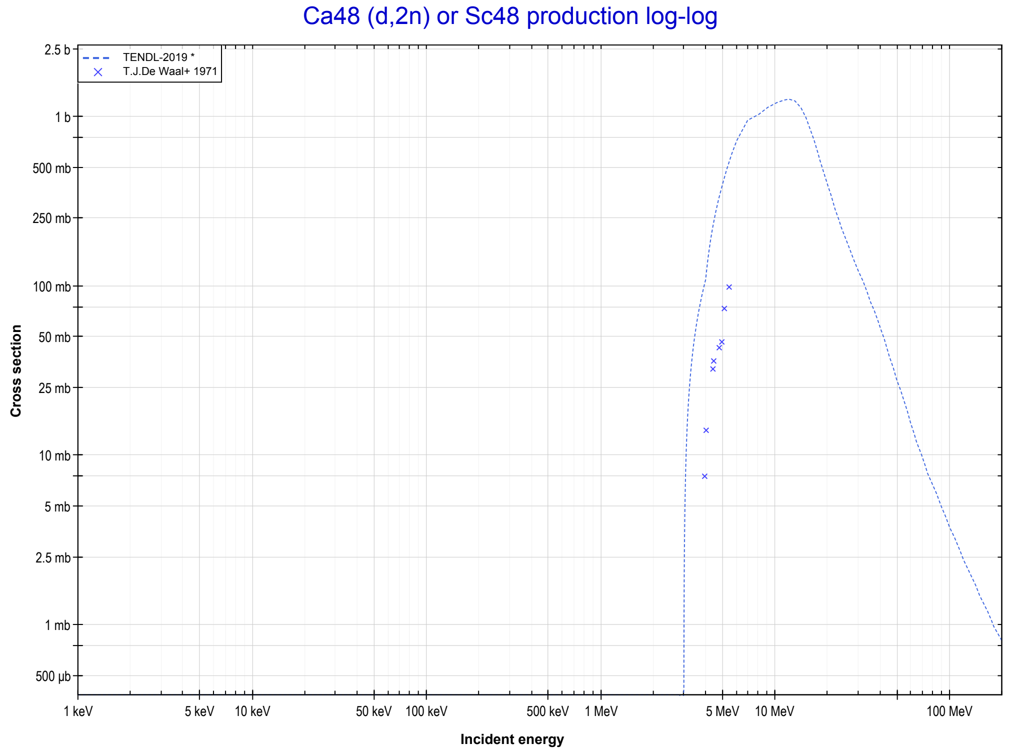


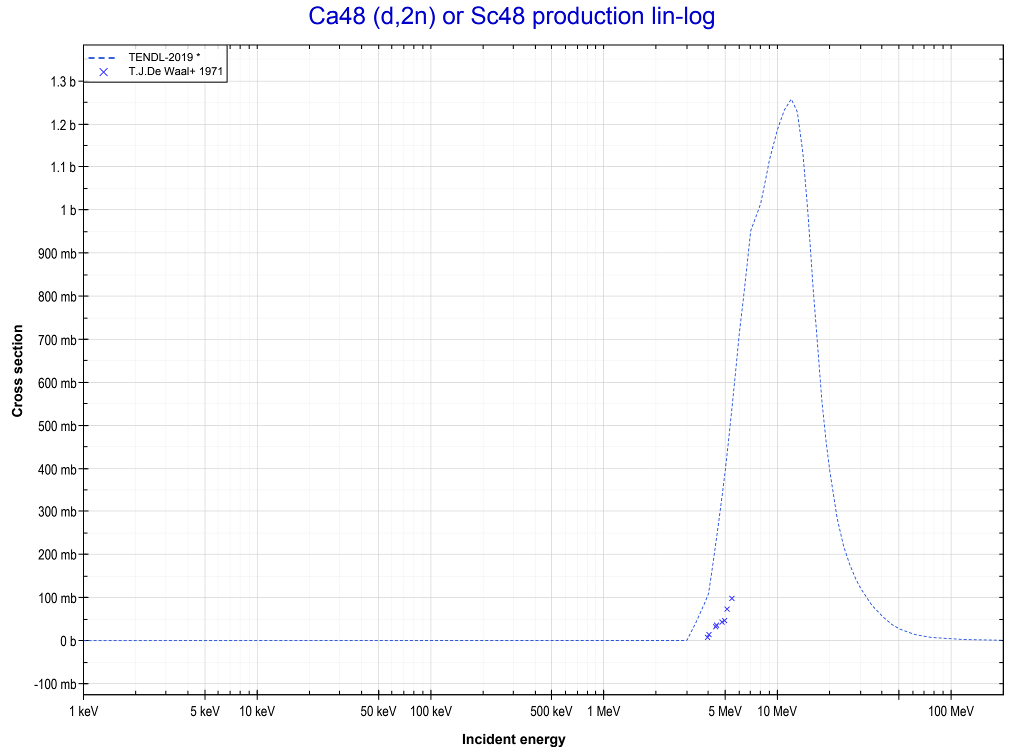
Ca43 (d,n) or Sc44 production lin-log



Reaction	Q-Value
Ca43(d,n)Sc44	4471.58 keV

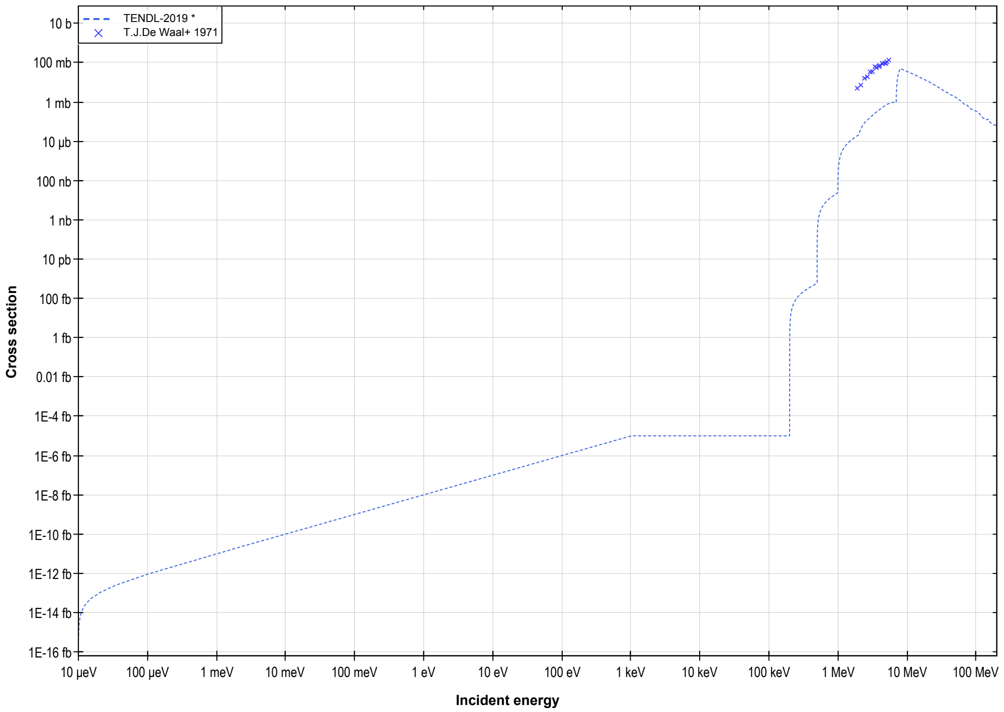
<< 13-Al-27	**20-Ca-48**	21-Sc-45 >>
<< 20-Ca-43 MT4 (d,n)	**MT16 (d,2n) or MT5 (Sc48 production)**	MT103 (d,p) >>



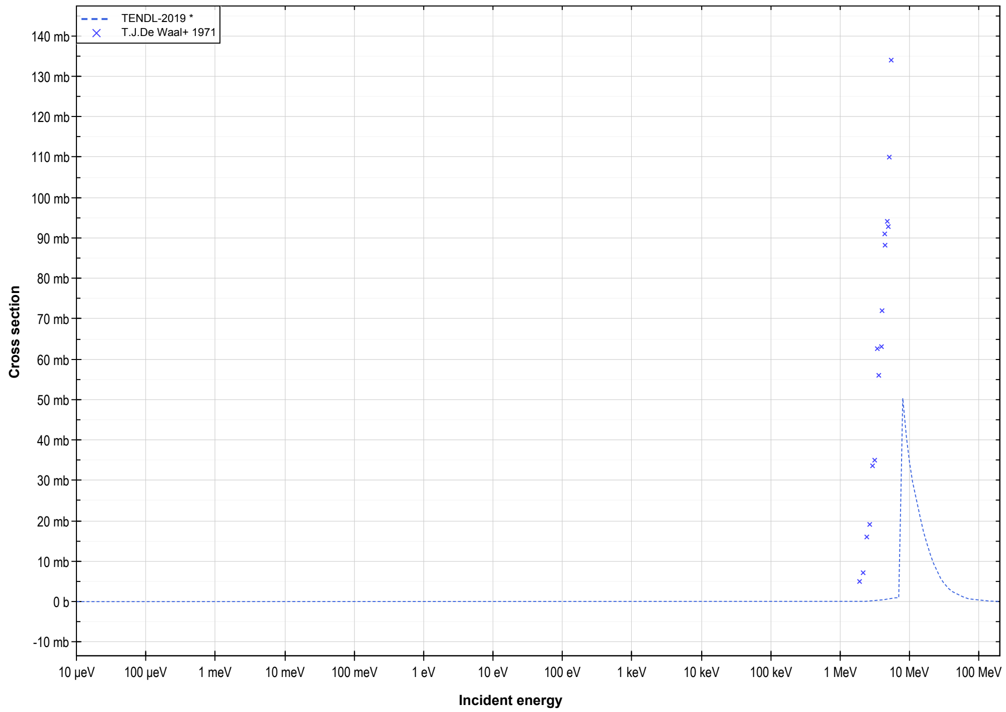


Reaction	Q-Value
Ca48(d,2n)Sc48	-2727.54 keV

Ca48 (d,p) or Ca49 production log-log



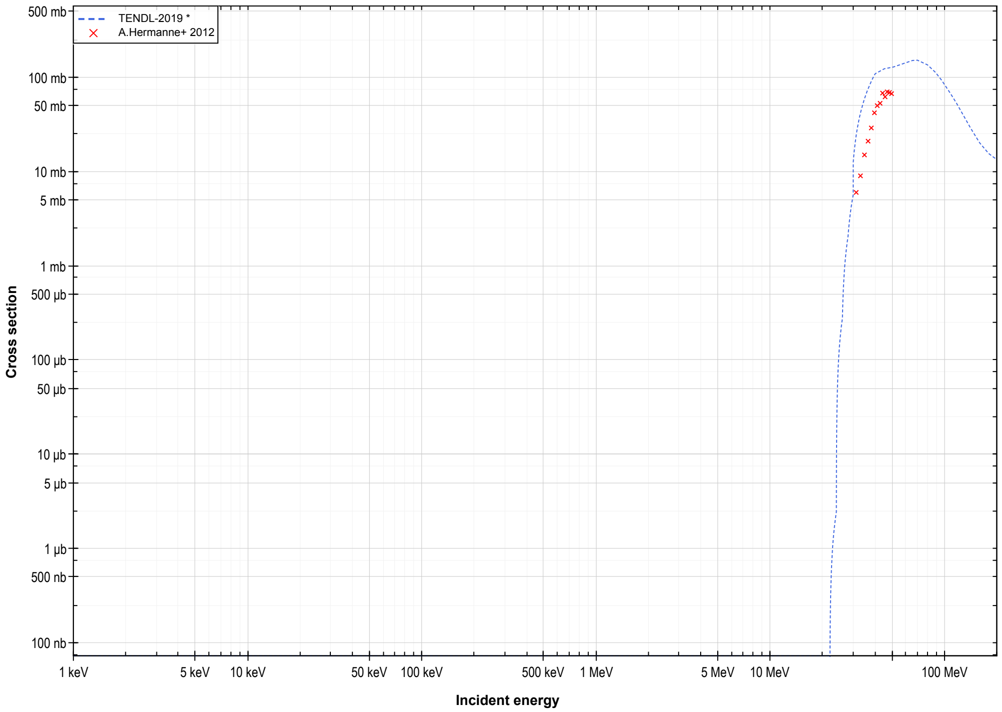
Ca48 (d,p) or Ca49 production lin-log



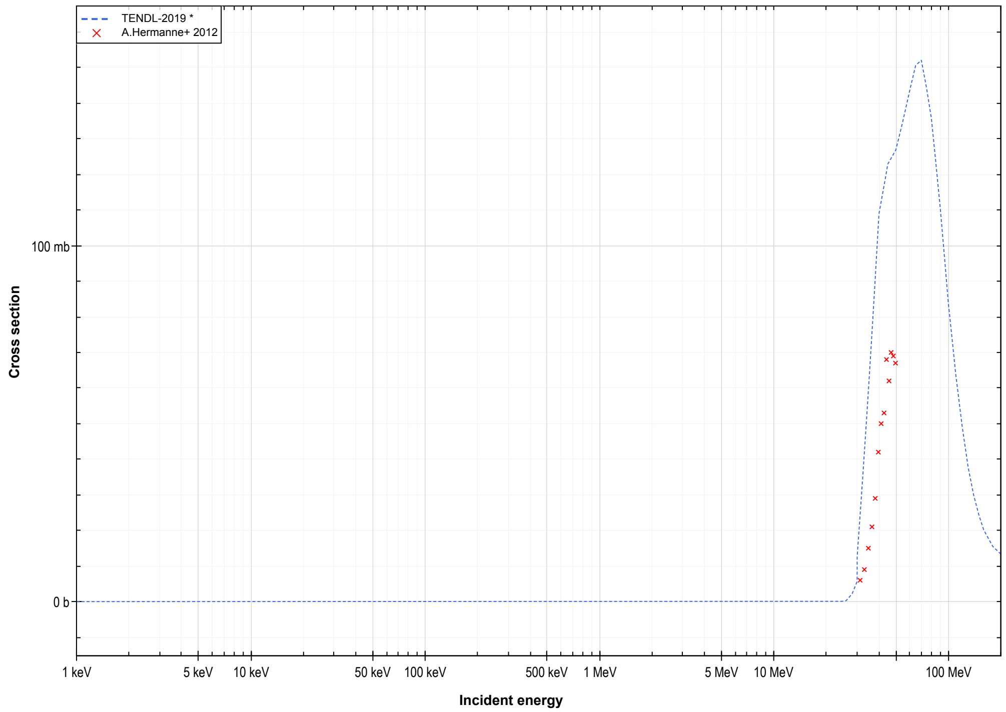
Reaction	Q-Value
Ca48(d,p)Ca49	2921.89 keV

<< 4-Be-9	**21-Sc-45**	27-Co-59 >>
<< 20-Ca-48 MT103 (d,p)	**MT11 (d,2n+d) or MT5 (Sc43 production)**	MT16 (d,2n) >>

Sc45 (d,2n+d) or Sc43 production log-log



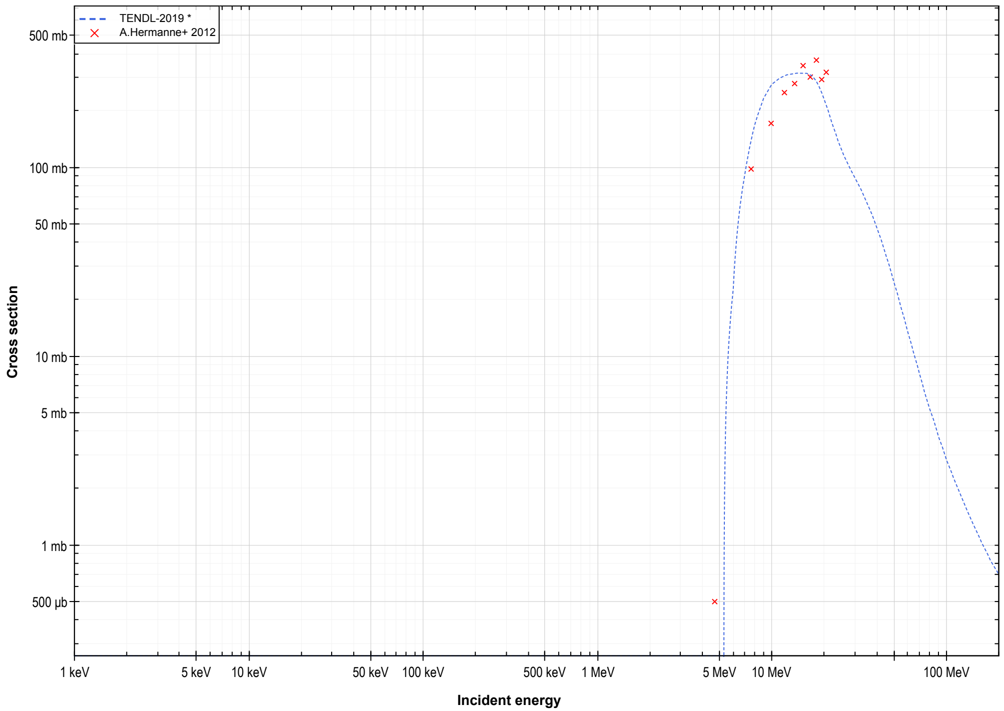
Sc45 (d,2n+d) or Sc43 production lin-log



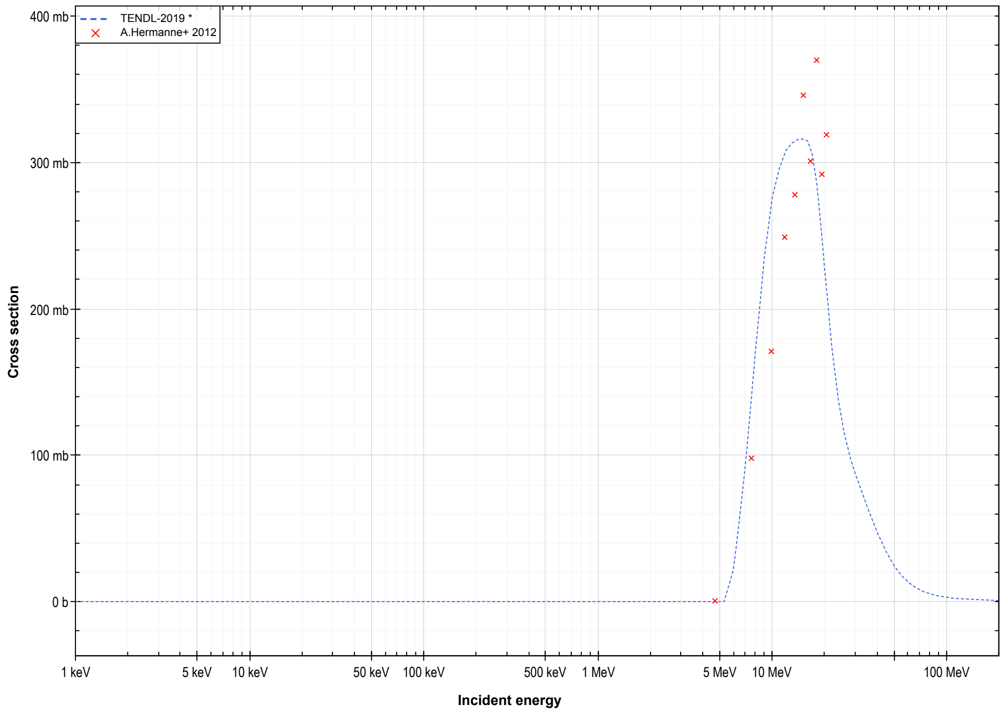
Reaction	Q-Value
Sc45(d,n+t)Sc43	-14769.21 keV
Sc45(d,2n+d)Sc43	-21026.43 keV
Sc45(d,3n+p)Sc43	-23251.00 keV

<< 20-Ca-48	**21-Sc-45**	22-Ti-47 >>
<< MT11 (d,2n+d)	**MT16 (d,2n) or MT5 (Ti45 production)**	MT17 (d,3n) >>

Sc45 (d,2n) or Ti45 production log-log

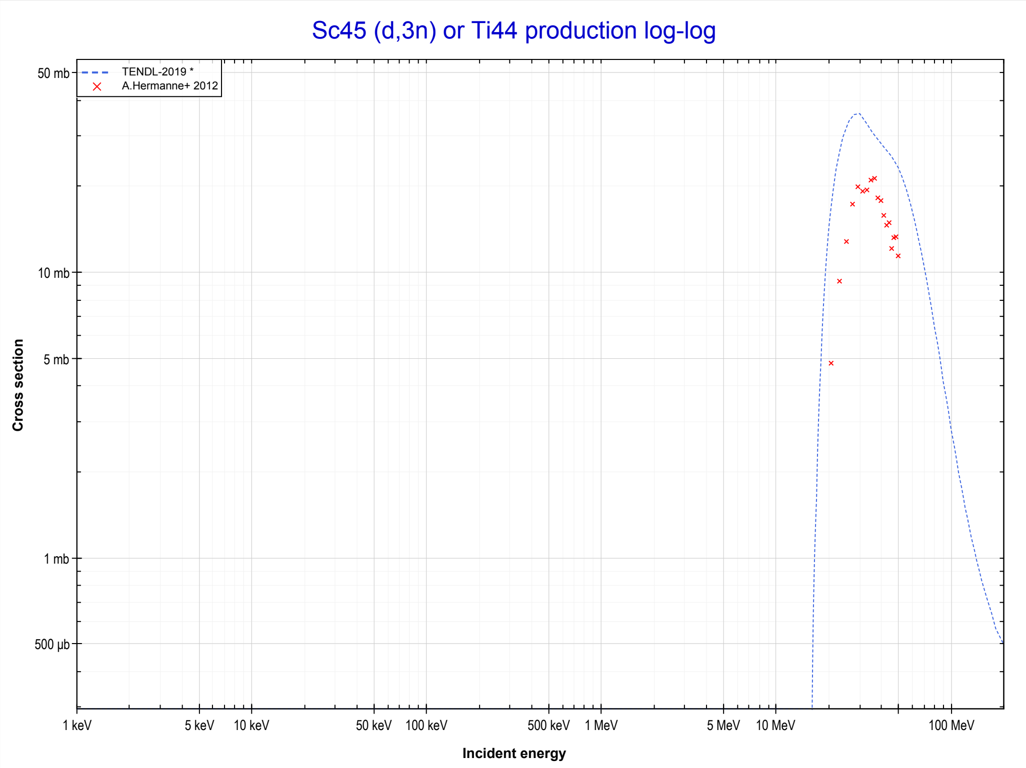


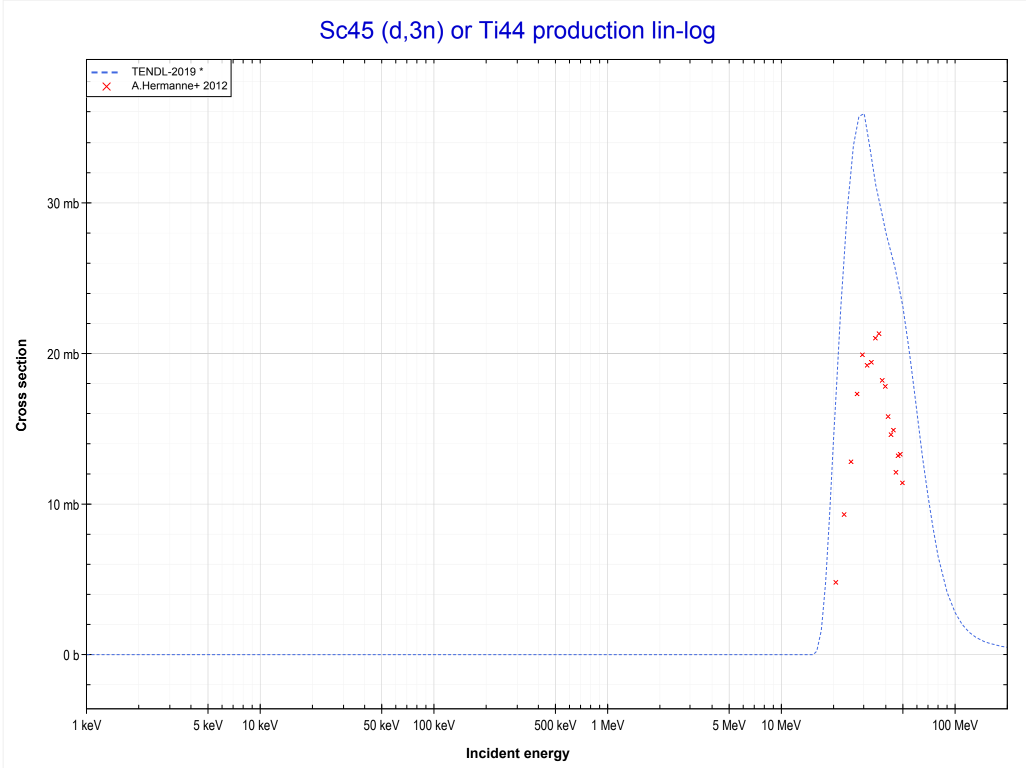
Sc45 (d,2n) or Ti45 production lin-log



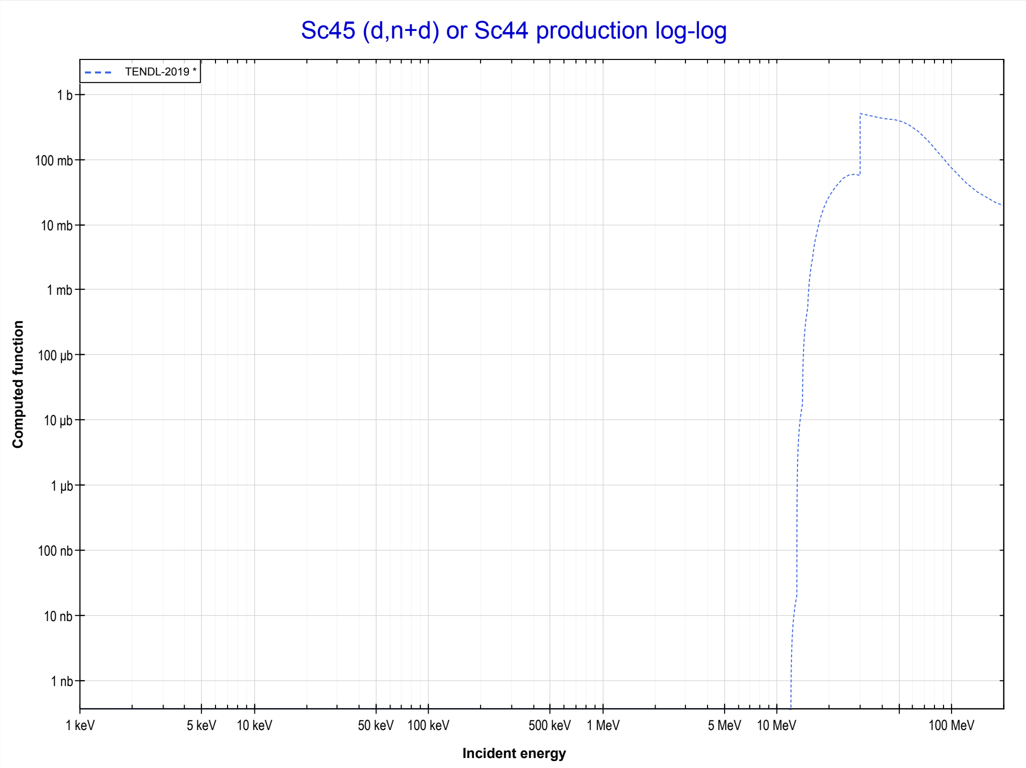
Reaction	Q-Value
Sc45(d,2n)Ti45	-5069.01 keV

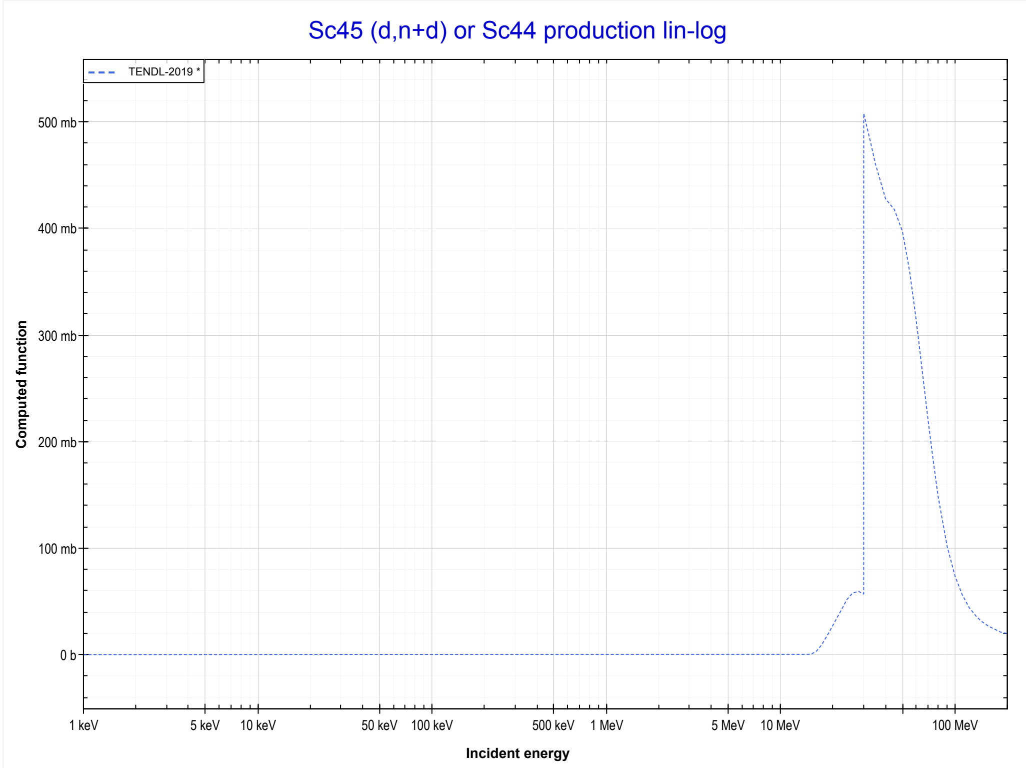
	21-Sc-45	29-Cu-63 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Ti44 production)**	MT32 (d,n+d) >>





Reaction	Q-Value
Sc45(d,3n)Ti44	-14601.53 keV

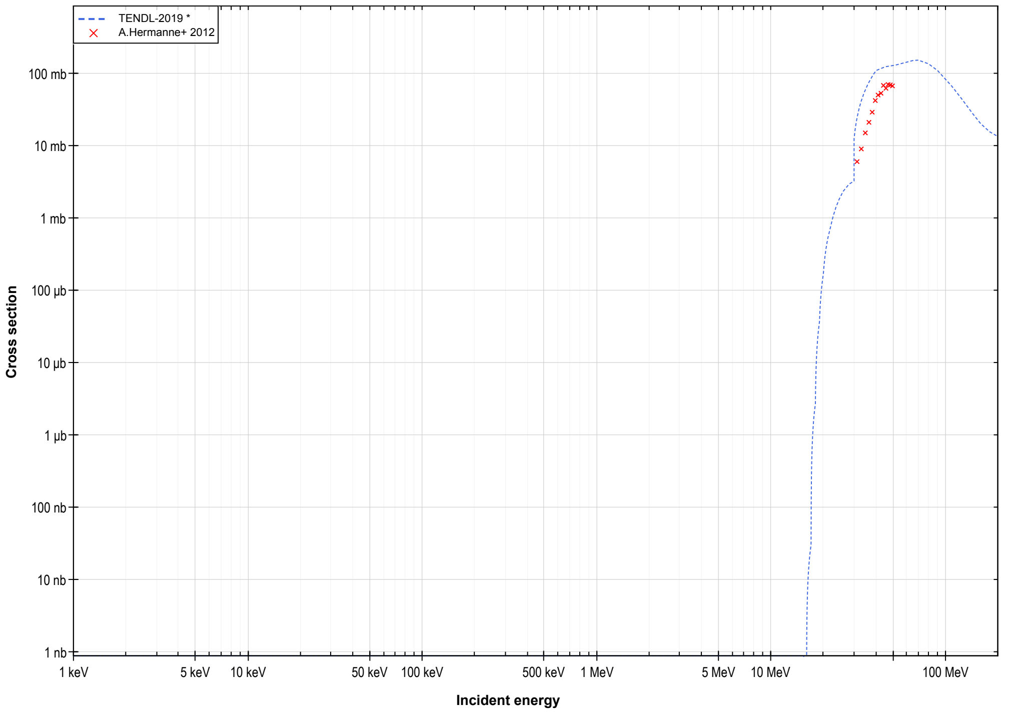




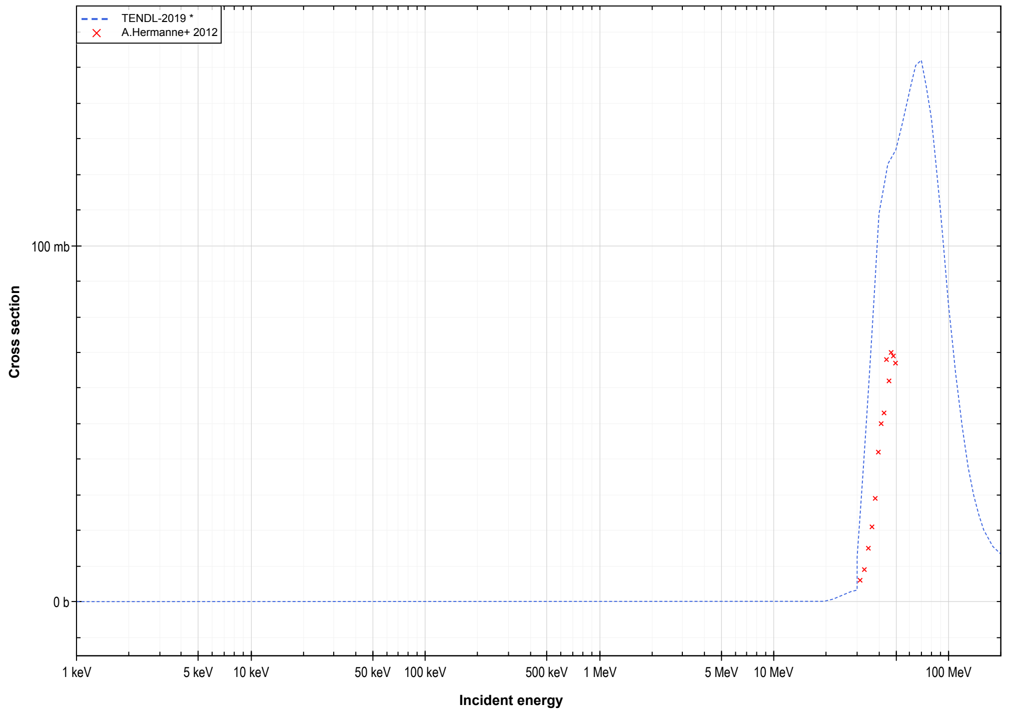
Reaction	Q-Value
Sc45(d,t)Sc44	-5069.99 keV
Sc45(d,n+d)Sc44	-11327.22 keV
Sc45(d,2n+p)Sc44	-13551.78 keV

<< 4-Be-9	**21-Sc-45**	23-V-51 >>
<< MT32 (d,n+d)	**MT33 (d,n+t) or MT5 (Sc43 production)**	MT41 (d,2n+p) >>

Sc45 (d,n+t) or Sc43 production log-log

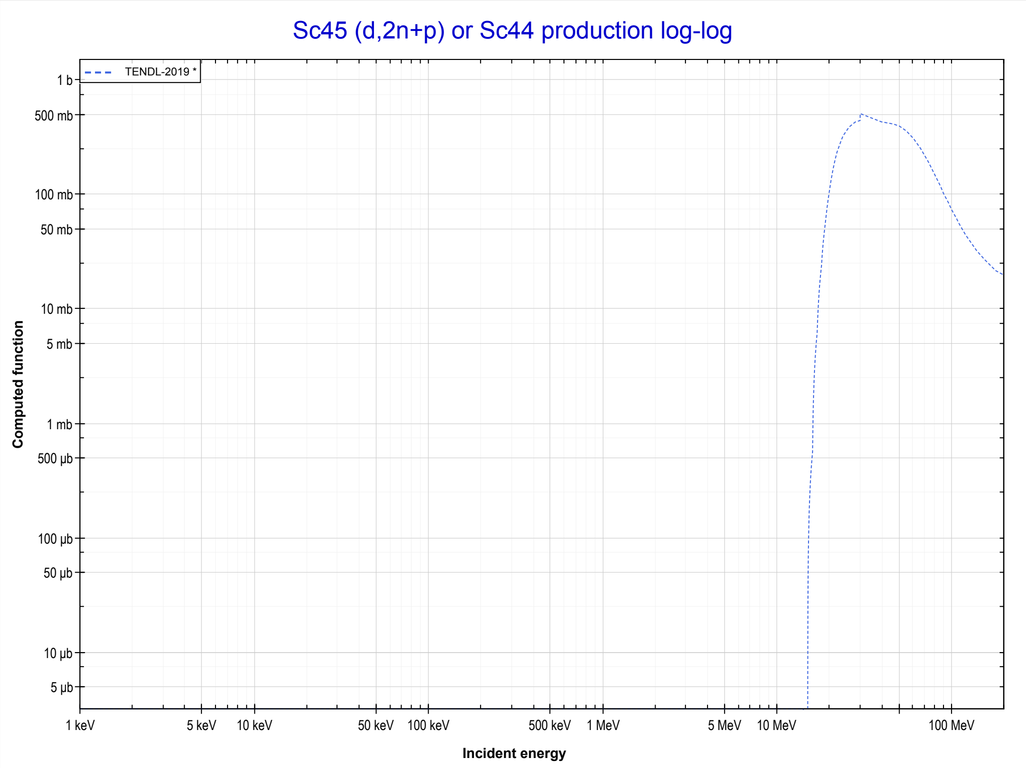


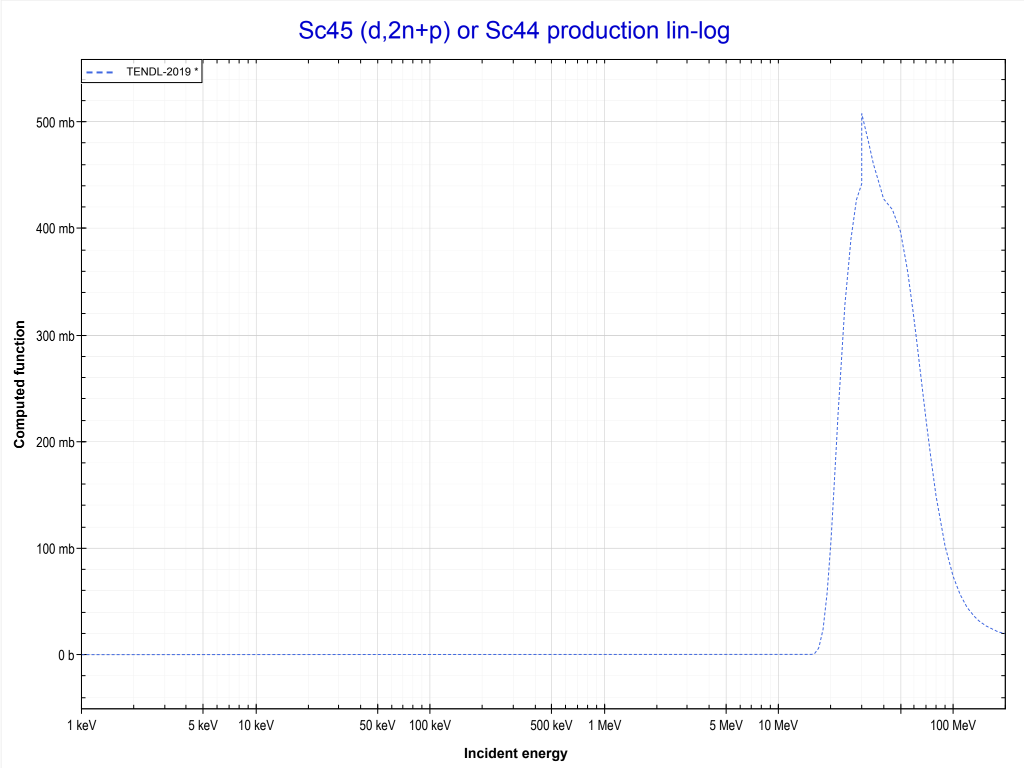
Sc45 (d,n+t) or Sc43 production lin-log



Reaction	Q-Value
Sc45(d,n+t)Sc43	-14769.21 keV
Sc45(d,2n+d)Sc43	-21026.43 keV
Sc45(d,3n+p)Sc43	-23251.00 keV

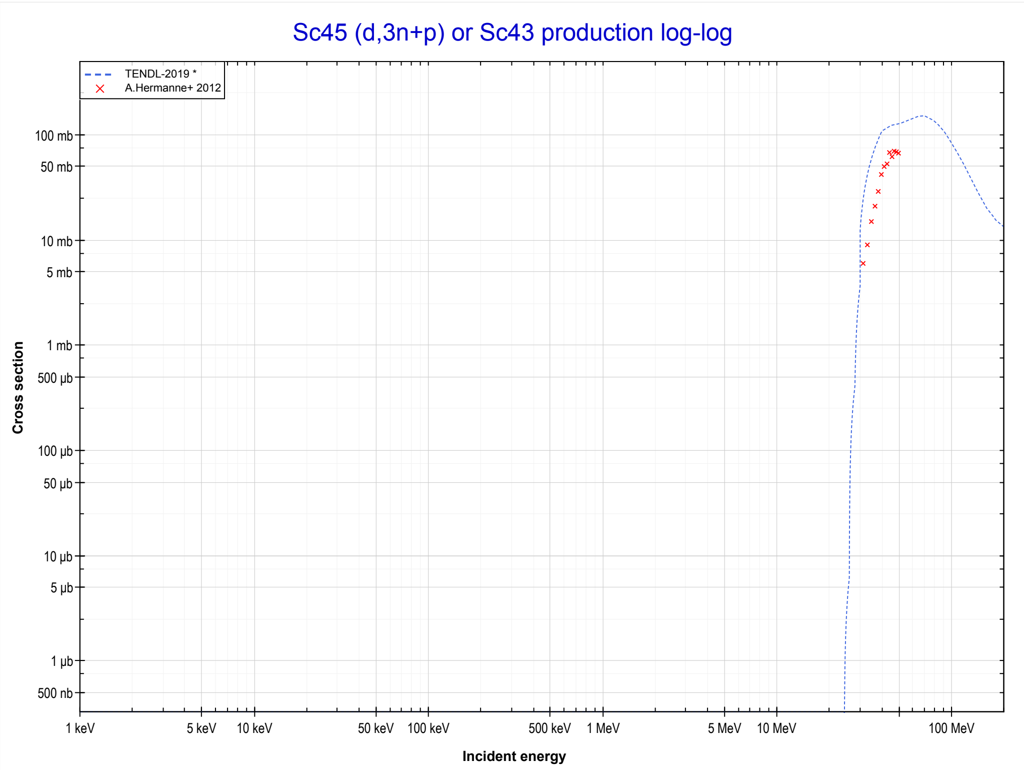
<< 11-Na-23	**21-Sc-45**	25-Mn-55 >>
<< MT33 (d,n+t)	**MT41 (d,2n+p) or MT5 (Sc44 production)**	MT42 (d,3n+p) >>

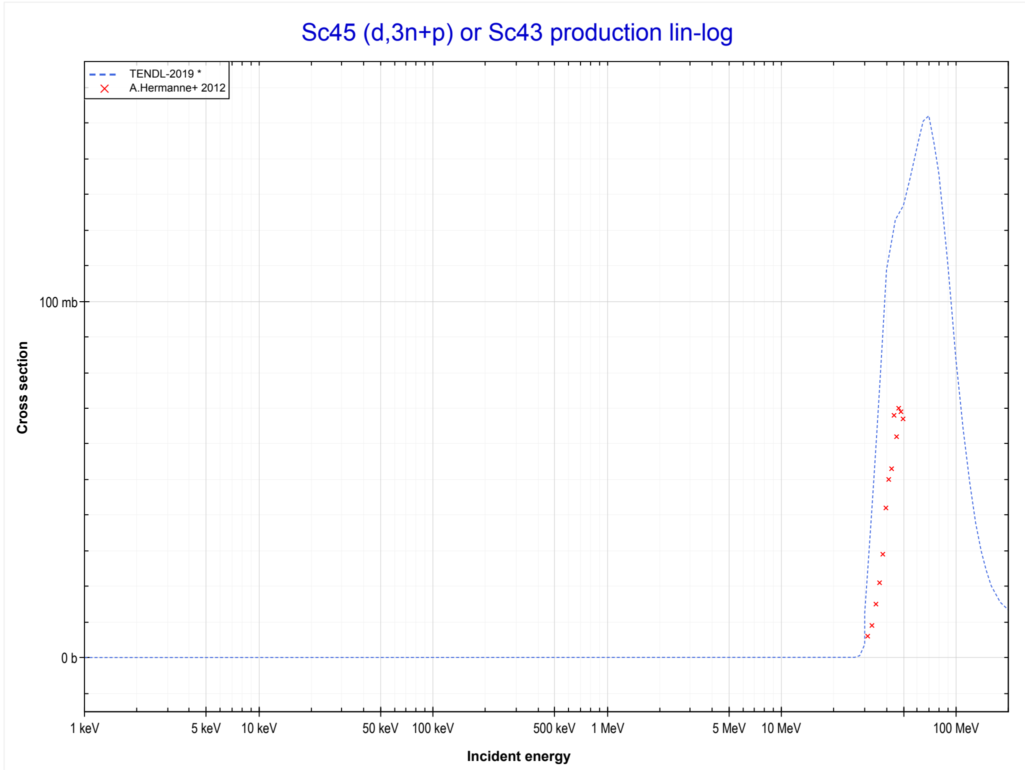




Reaction	Q-Value
Sc45(d,t)Sc44	-5069.99 keV
Sc45(d,n+d)Sc44	-11327.22 keV
Sc45(d,2n+p)Sc44	-13551.78 keV

<< 4-Be-9	**21-Sc-45**	27-Co-59 >>
<< MT41 (d,2n+p)	**MT42 (d,3n+p) or MT5 (Sc43 production)**	MT103 (d,p) >>

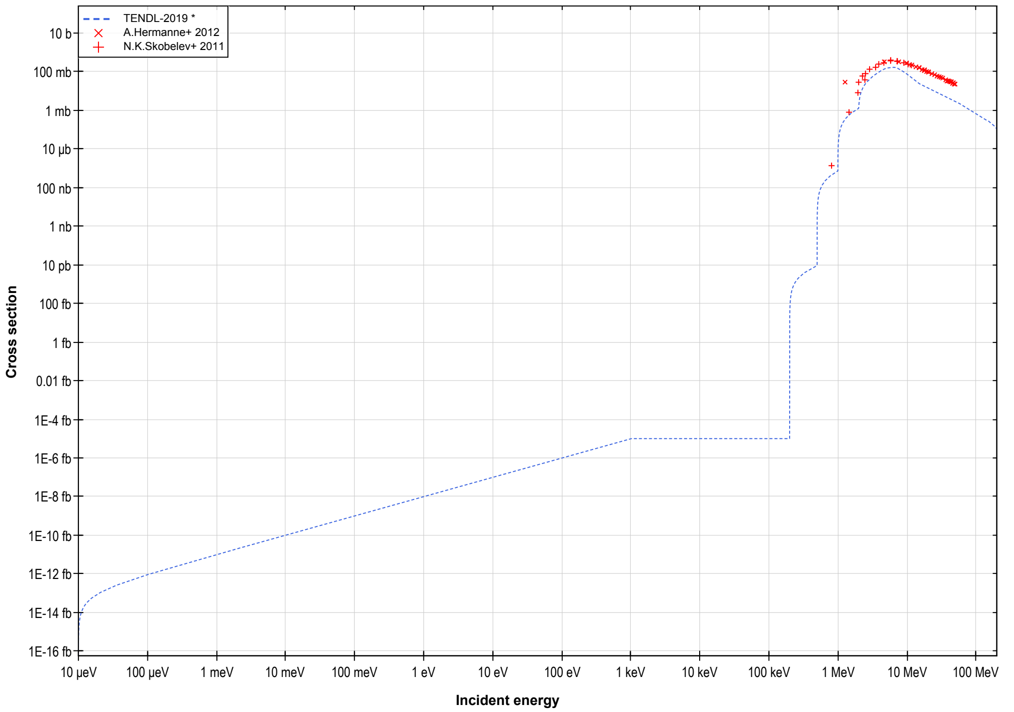




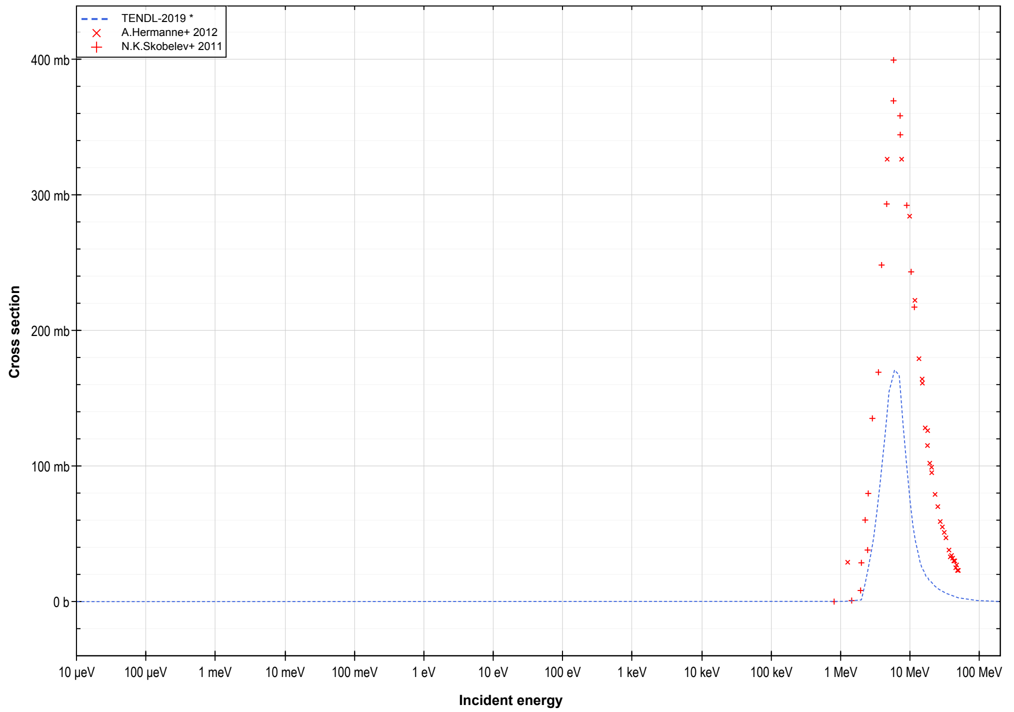
Reaction	Q-Value
Sc45(d,n+t)Sc43	-14769.21 keV
Sc45(d,2n+d)Sc43	-21026.43 keV
Sc45(d,3n+p)Sc43	-23251.00 keV

<< 20-Ca-48	**21-Sc-45**	24-Cr-50 >>
<< MT42 (d,3n+p)	**MT103 (d,p) or MT5 (Sc46 production)**	MT105 (d,t) >>

Sc45 (d,p) or Sc46 production log-log

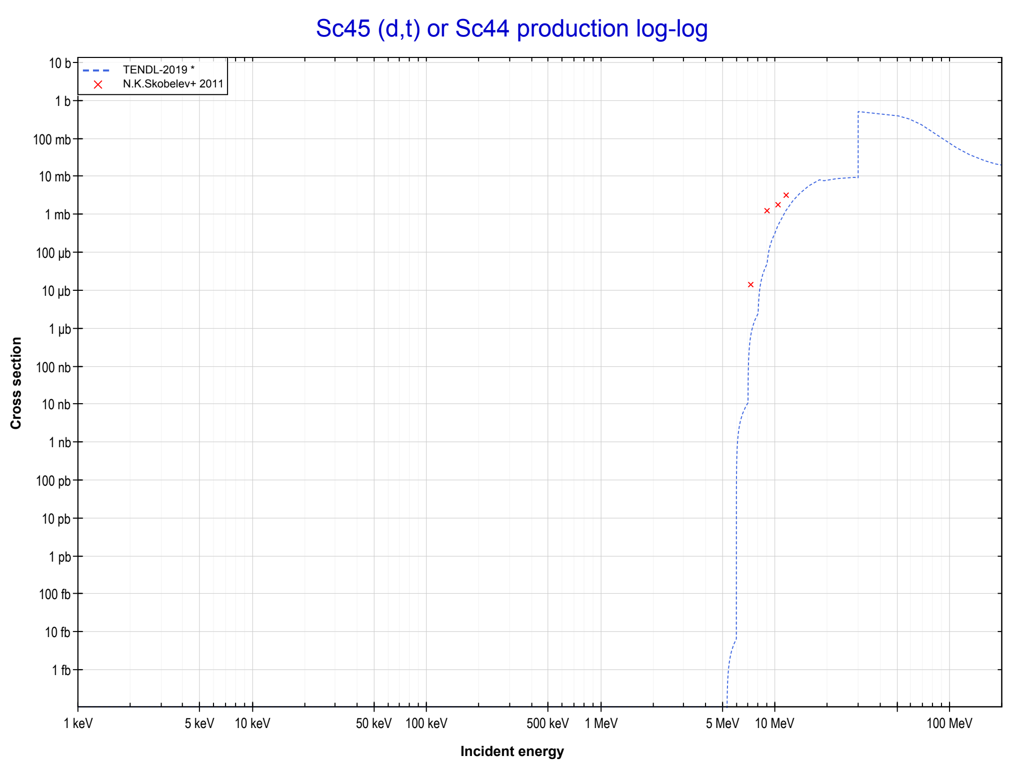


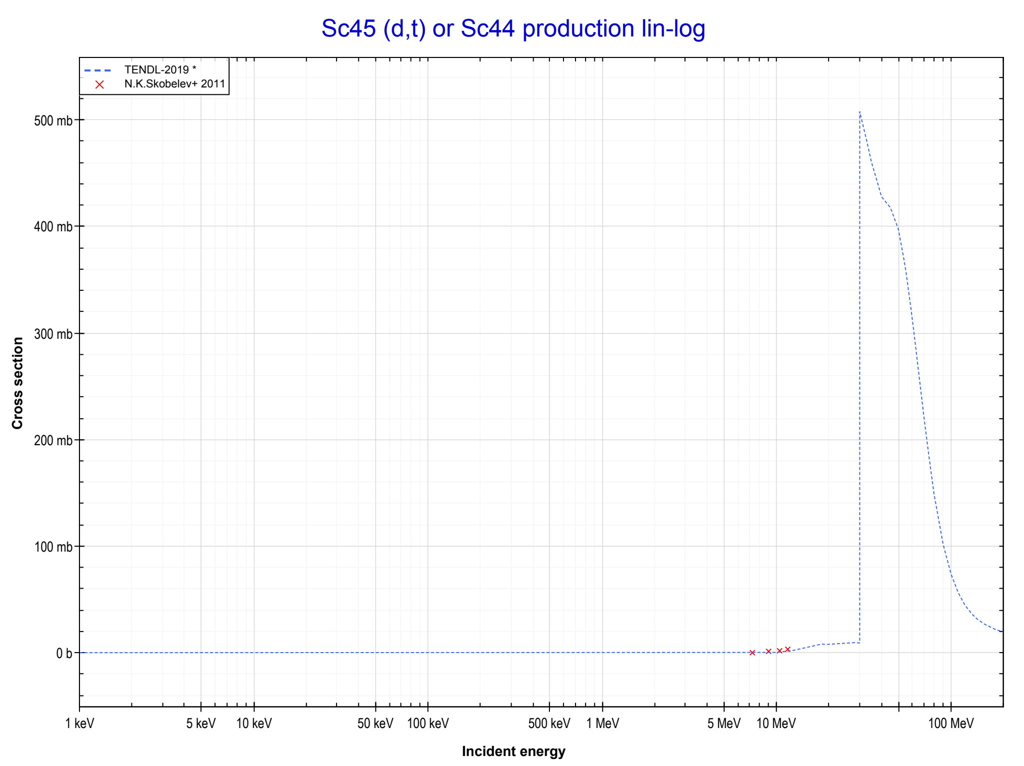
Sc45 (d,p) or Sc46 production lin-log



Reaction	Q-Value
Sc45(d,p)Sc46	6536.05 keV

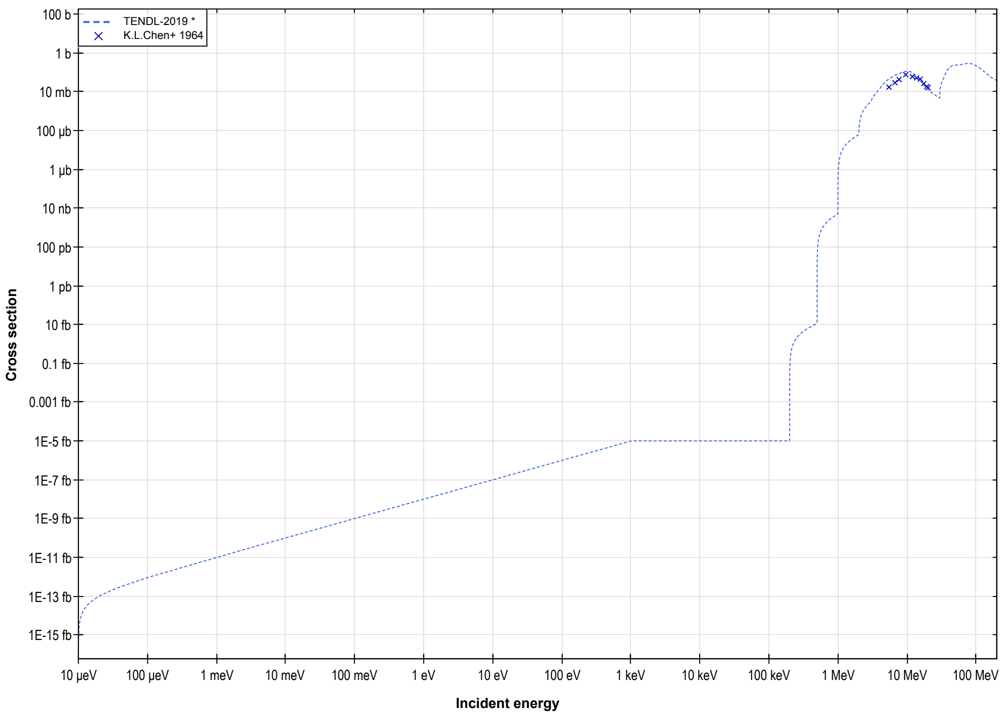
<< 11-Na-23	**21-Sc-45**	24-Cr-50 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Sc44 production)**	22-Ti-46 MT107 (d,α) >>



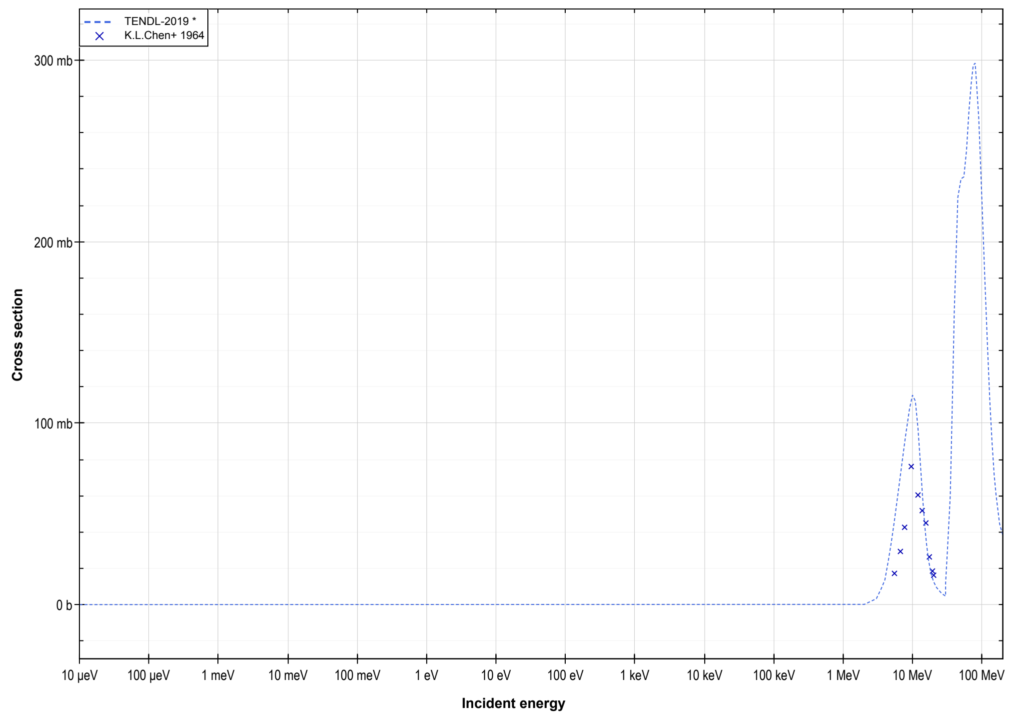


Reaction	Q-Value
Sc45(d,t)Sc44	-5069.99 keV
Sc45(d,n+d)Sc44	-11327.22 keV
Sc45(d,2n+p)Sc44	-13551.78 keV

Ti46 (d,α) or Sc44 production log-log

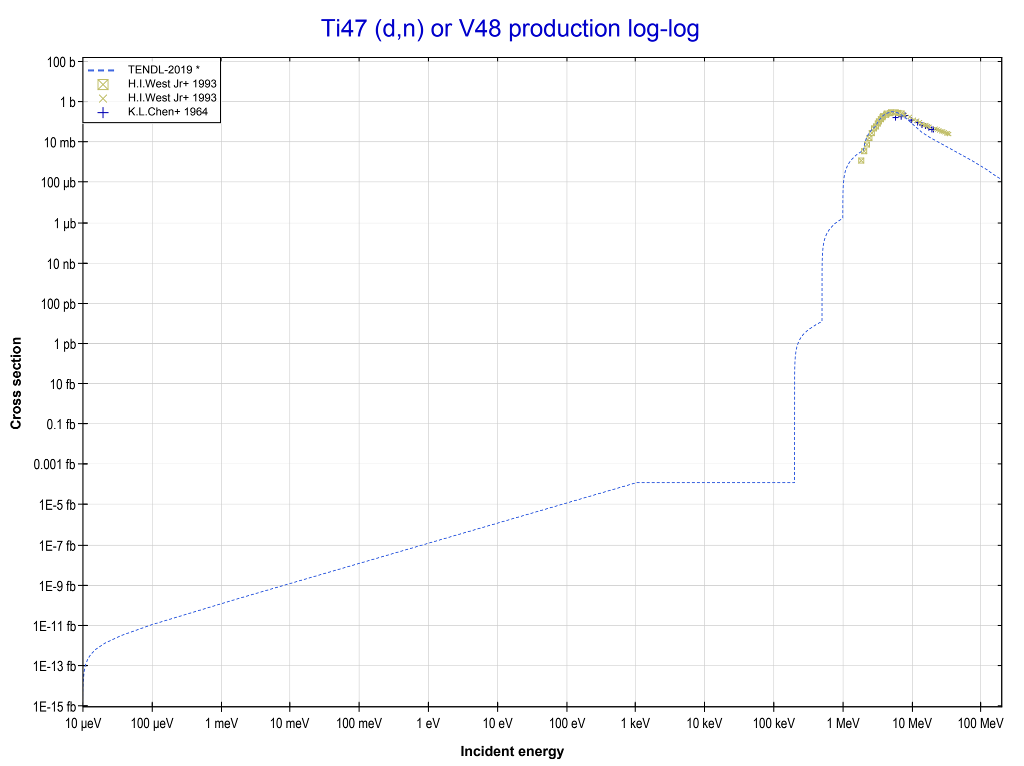


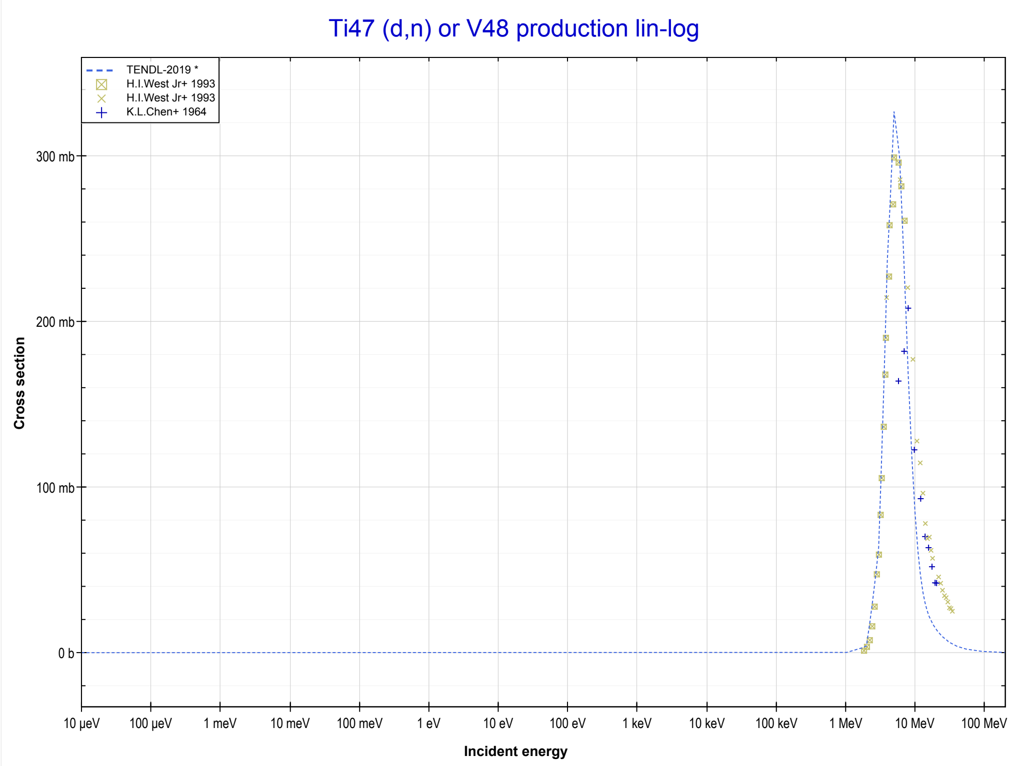
Ti46 (d,α) or Sc44 production lin-log



Reaction	Q-Value
Ti46(d,α)Sc44	4399.01 keV
Ti46(d,p+t)Sc44	-15414.86 keV
Ti46(d,n+He3)Sc44	-16178.61 keV
Ti46(d,2d)Sc44	-19447.52 keV
Ti46(d,n+p+d)Sc44	-21672.09 keV
Ti46(d,2n+2p)Sc44	-23896.65 keV

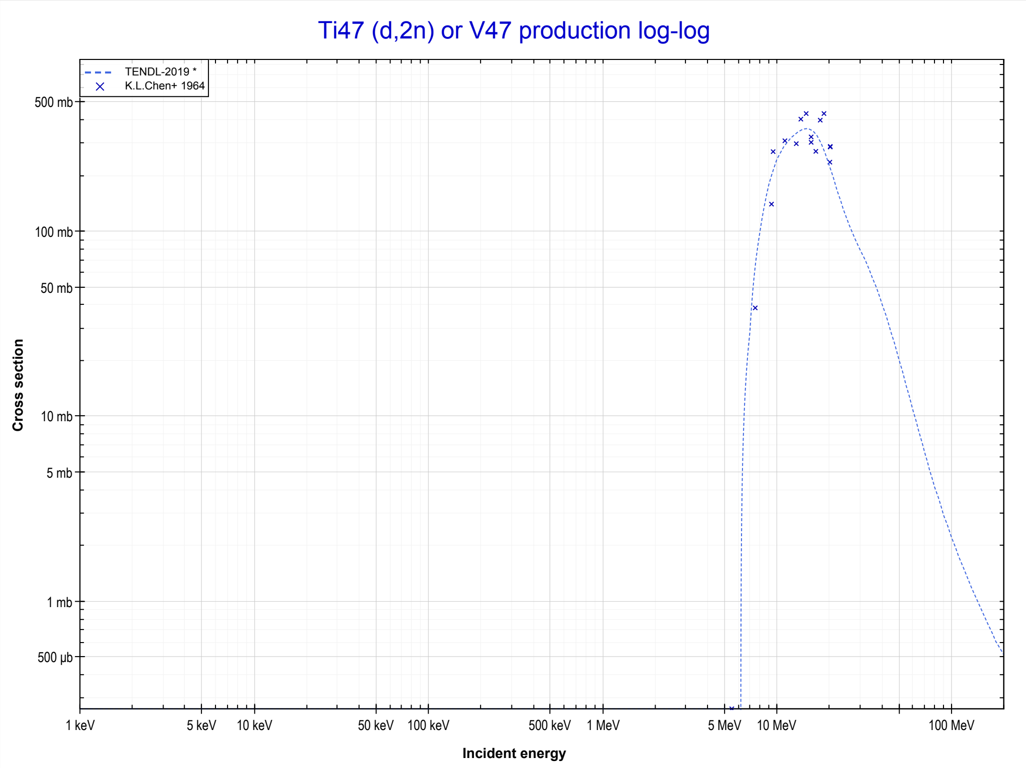
<< 20-Ca-43	**22-Ti-47**	24-Cr-50 >>
<< 22-Ti-46 MT107 (d,α)	**MT4 (d,n) or MT5 (V48 production)**	MT16 (d,2n) >>

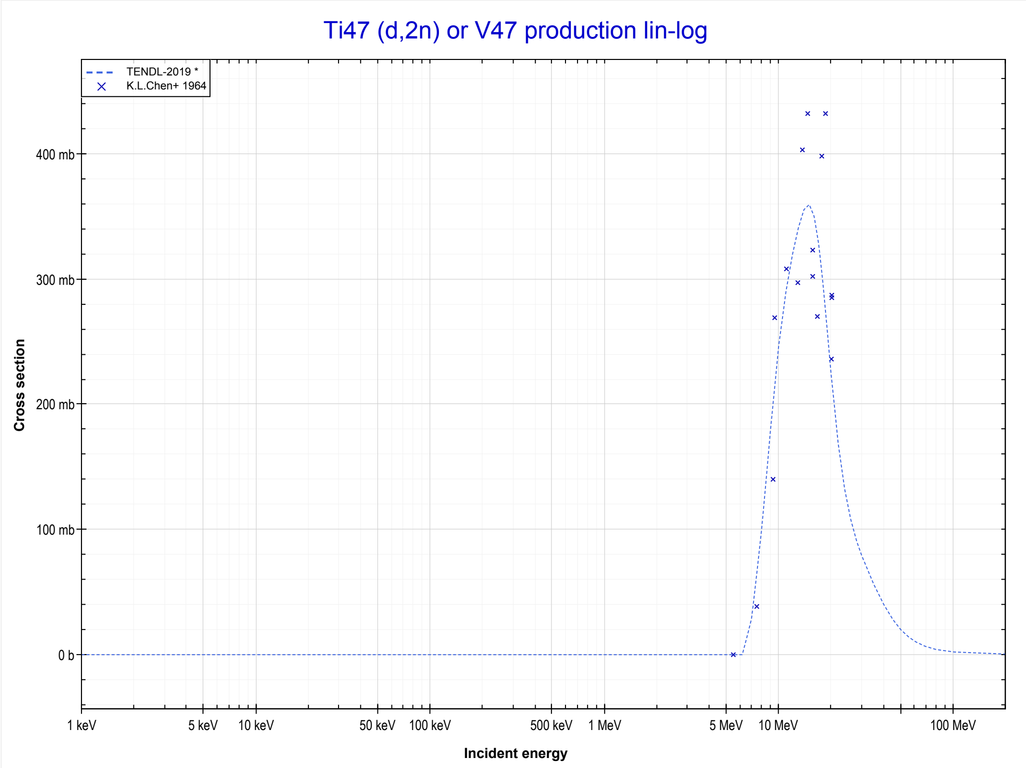




Reaction	Q-Value
Ti47(d,n)V48	4604.74 keV

<< 21-Sc-45	**22-Ti-47**	22-Ti-48 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (V47 production)**	MT22 (d,n+α) >>

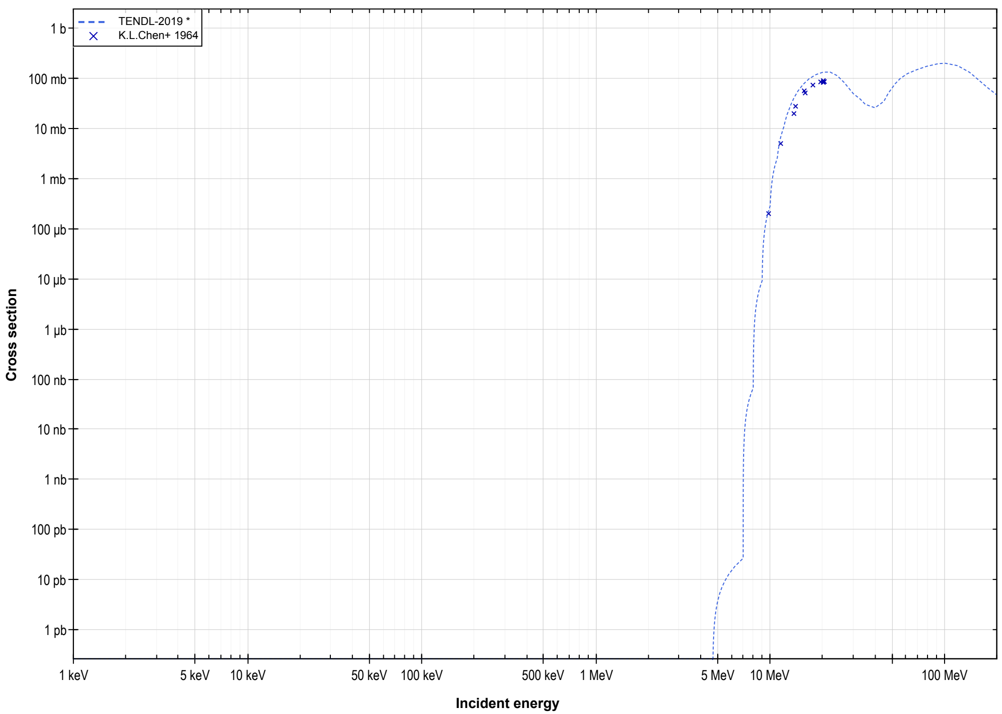




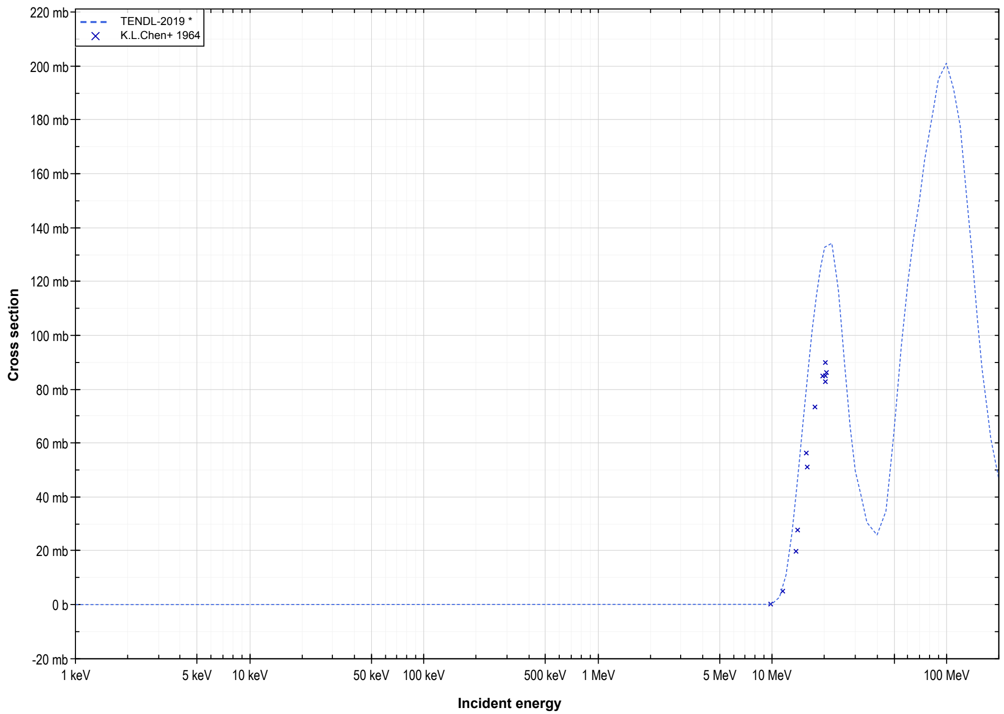
Reaction	Q-Value
Ti47(d,2n)V47	-5937.65 keV

<< 7-N-14	**22-Ti-47**	28-Ni-58 >>
<< MT16 (d,2n)	**MT22 (d,n+α) or MT5 (Sc44 production)**	MT111 (d,2p) >>

Ti47 (d,n+α) or Sc44 production log-log

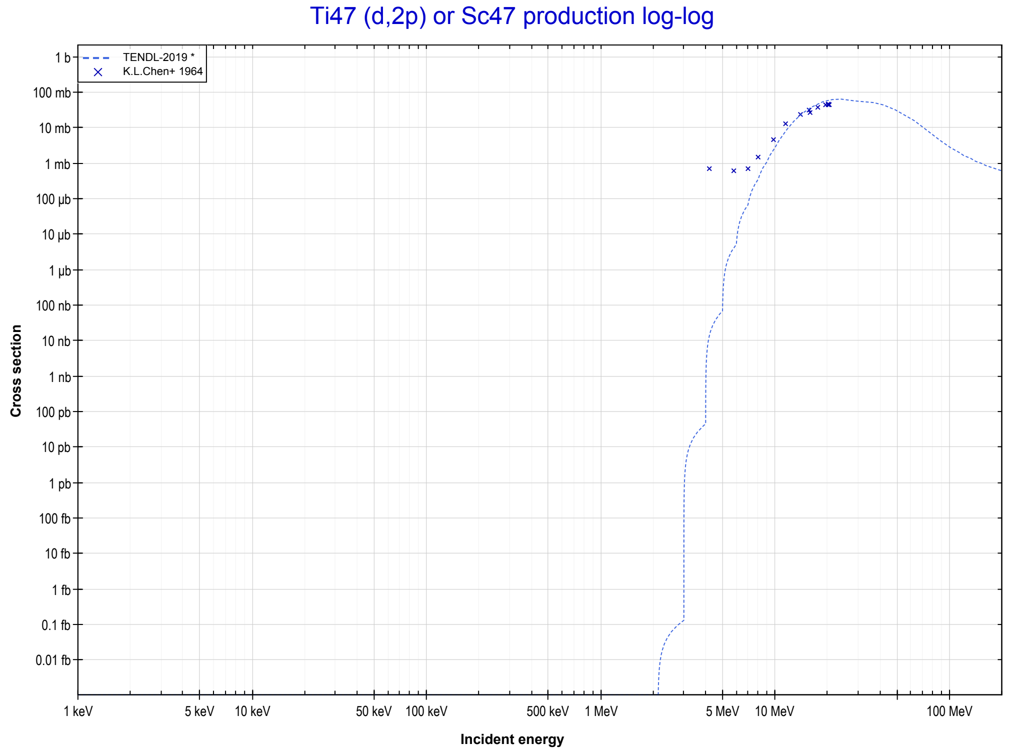


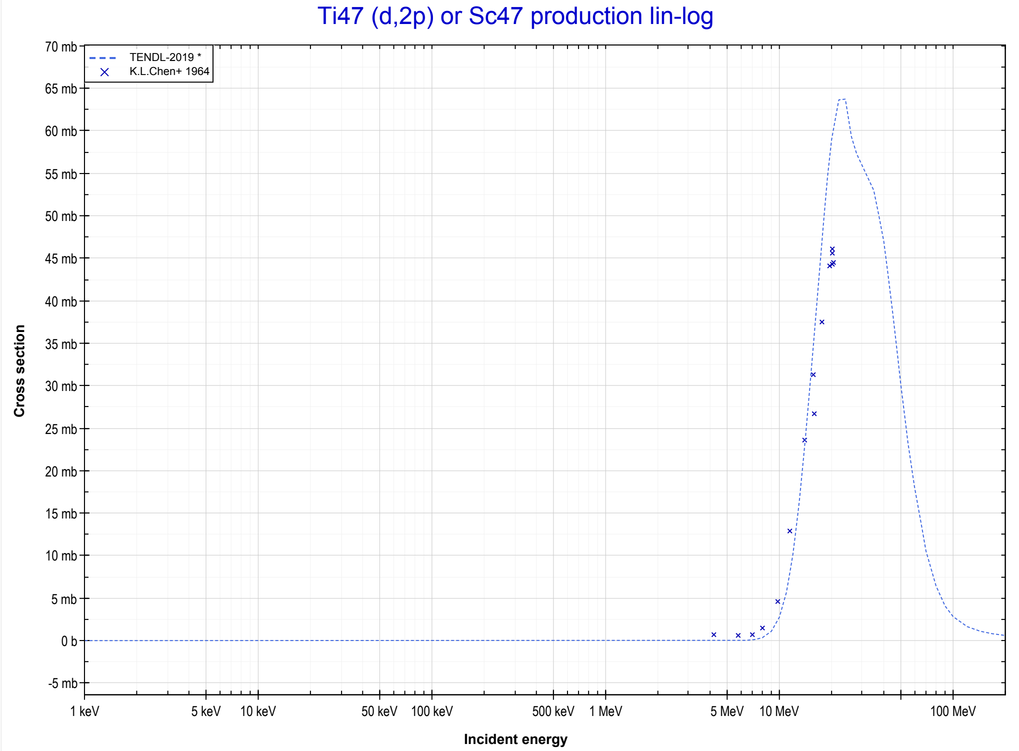
Ti47 (d,n+α) or Sc44 production lin-log



Reaction	Q-Value
Ti47(d,n+α)Sc44	-4481.87 keV
Ti47(d,d+t)Sc44	-22071.17 keV
Ti47(d,n+p+t)Sc44	-24295.74 keV
Ti47(d,2n+He3)Sc44	-25059.49 keV
Ti47(d,n+2d)Sc44	-28328.40 keV
Ti47(d,2n+p+d)Sc44	-30552.96 keV
Ti47(d,3n+2p)Sc44	-32777.53 keV

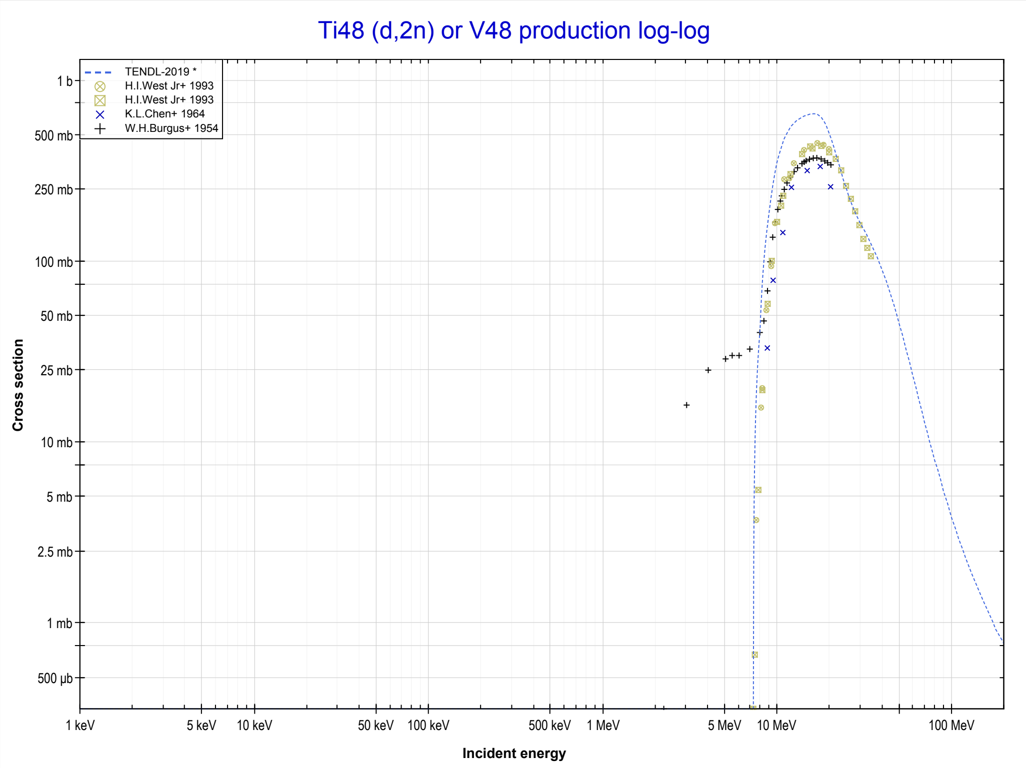
<< 16-S-32	**22-Ti-47**	24-Cr-52 >>
<< MT22 (d,n+α)	**MT111 (d,2p) or MT5 (Sc47 production)**	22-Ti-48 MT16 (d,2n) >>

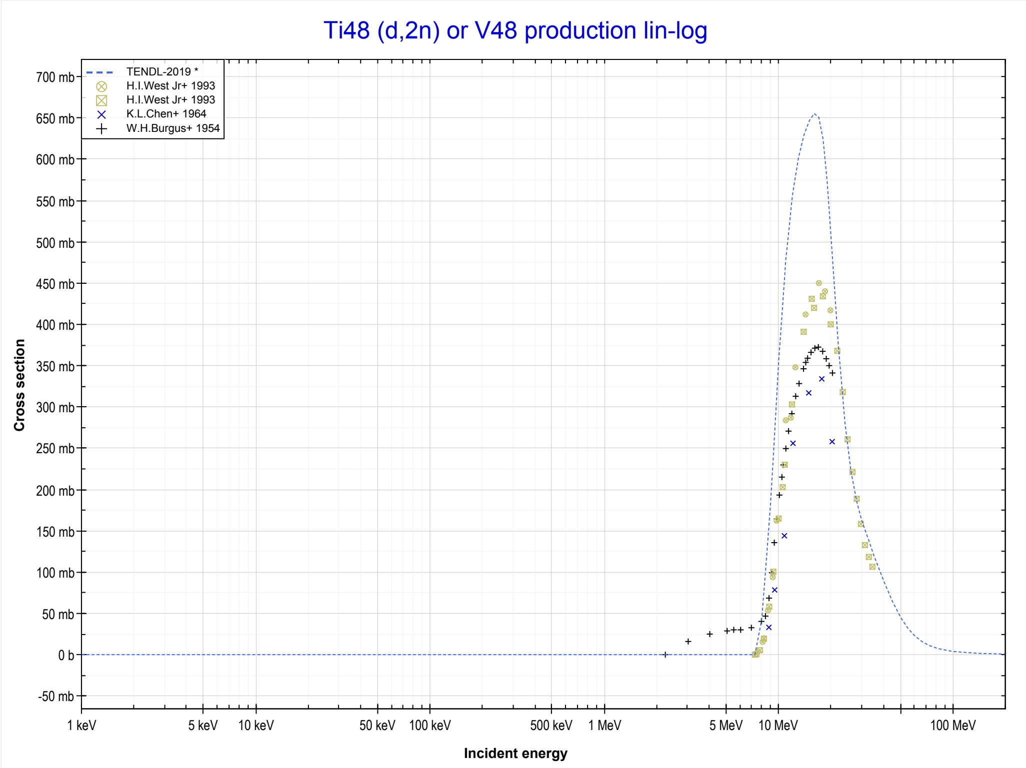




Reaction	Q-Value
Ti47(d,2p)Sc47	-2042.98 keV

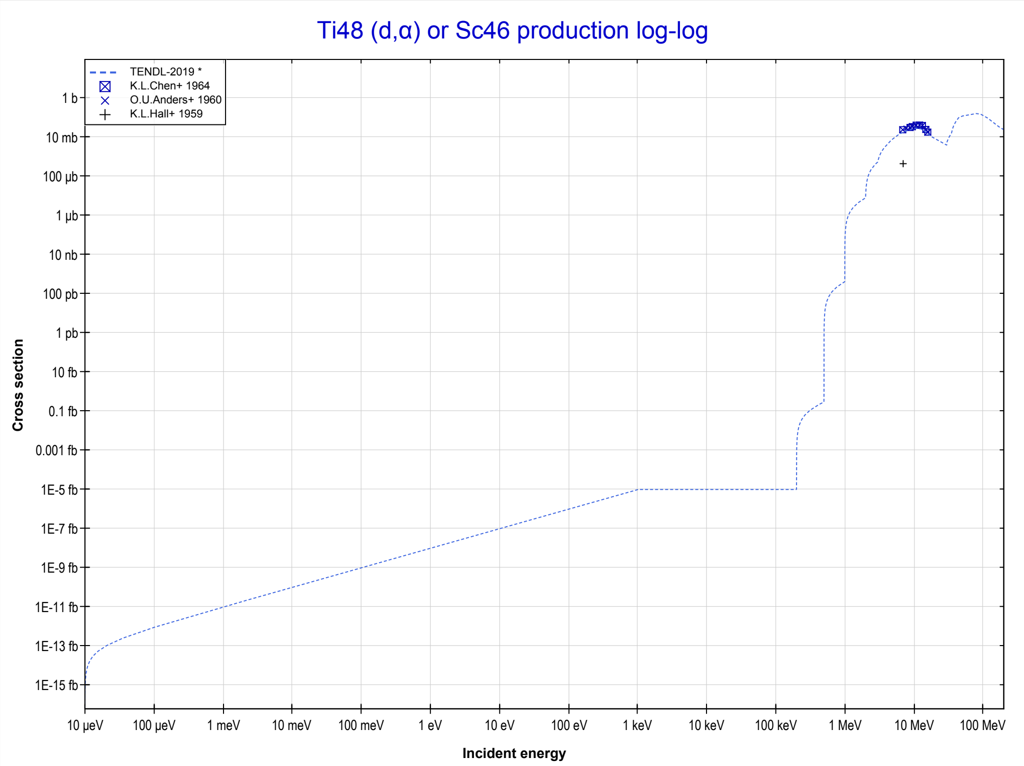
<< 22-Ti-47	**22-Ti-48**	23-V-51 >>
<< 22-Ti-47 MT111 (d,2p)	**MT16 (d,2n) or MT5 (V48 production)**	MT107 (d,α) >>

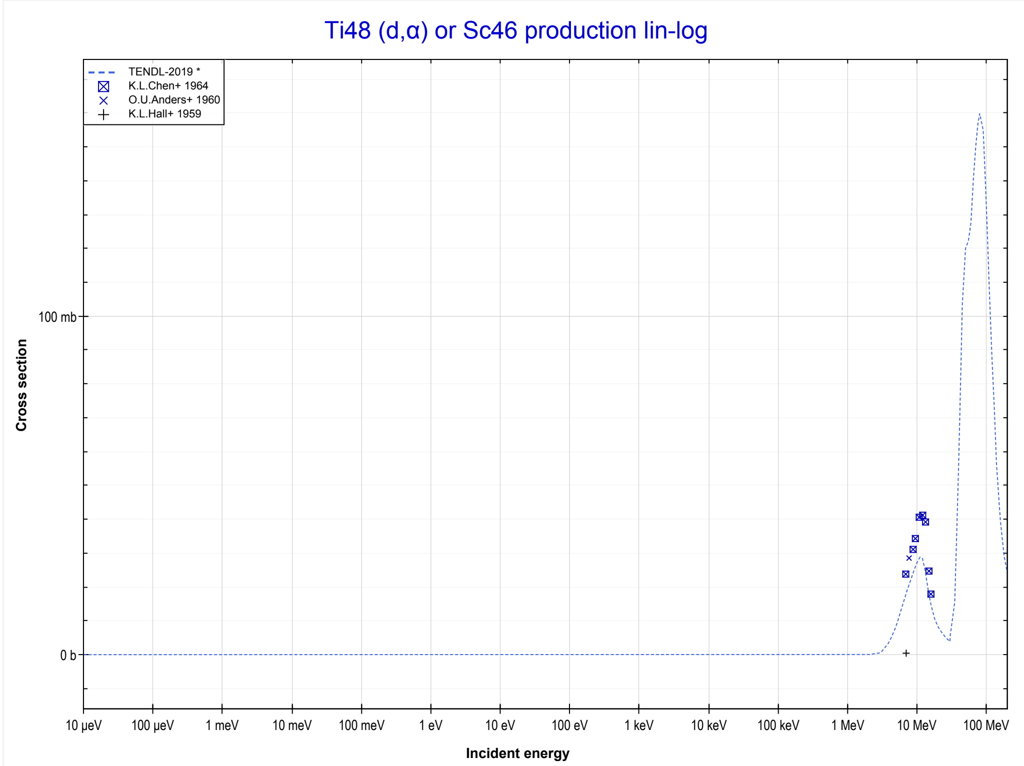




Reaction	Q-Value
Ti48(d,2n)V48	-7021.92 keV

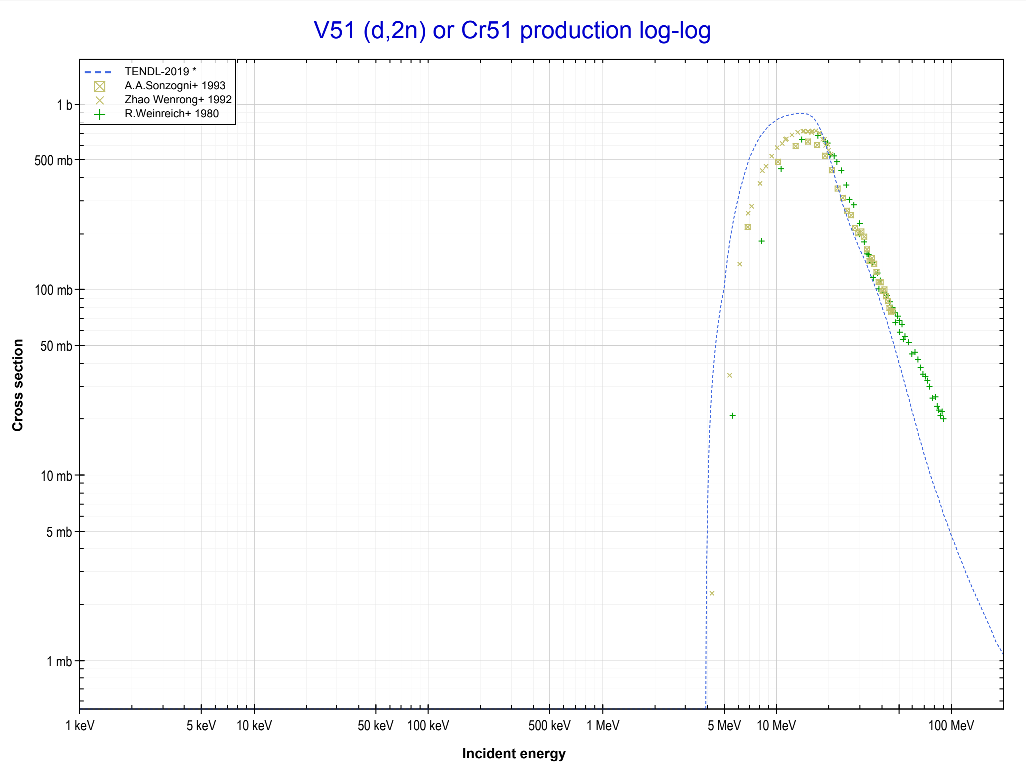
<< 22-Ti-46	**22-Ti-48**	24-Cr-50 >>
<< MT16 (d,2n)	**MT107 (d,α) or MT5 (Sc46 production)**	23-V-51 MT16 (d,2n) >>

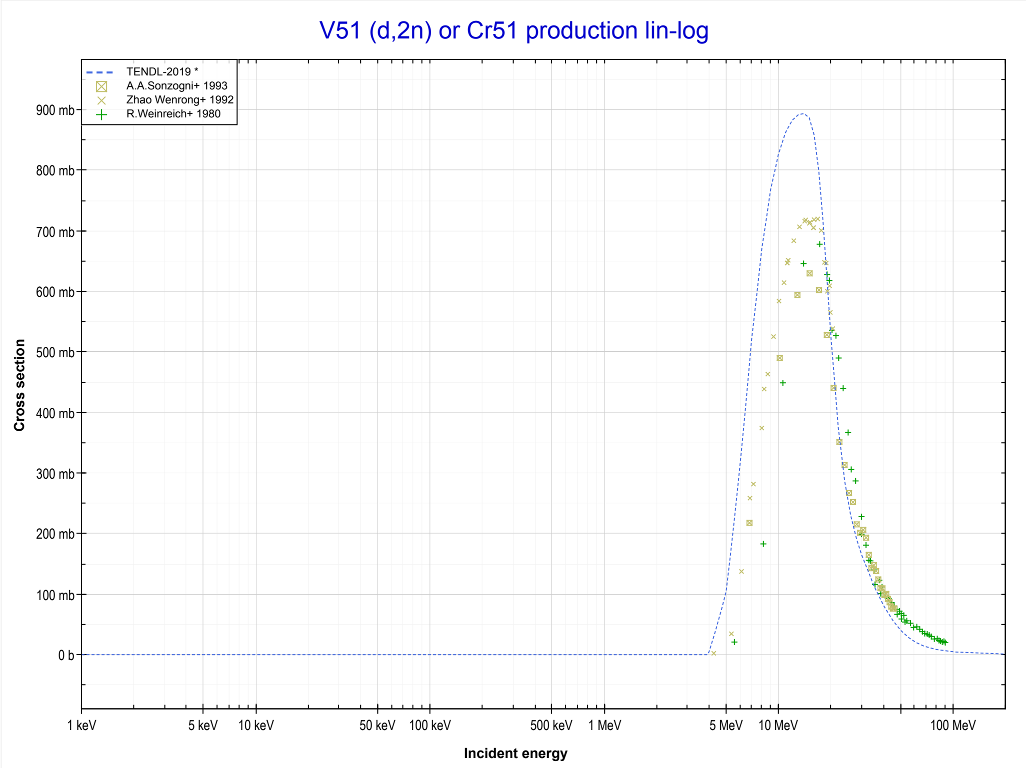




Reaction	Q-Value
Ti48(d,α)Sc46	3979.30 keV
Ti48(d,p+t)Sc46	-15834.57 keV
Ti48(d,n+He3)Sc46	-16598.32 keV
Ti48(d,2d)Sc46	-19867.23 keV
Ti48(d,n+p+d)Sc46	-22091.80 keV
Ti48(d,2n+2p)Sc46	-24316.36 keV

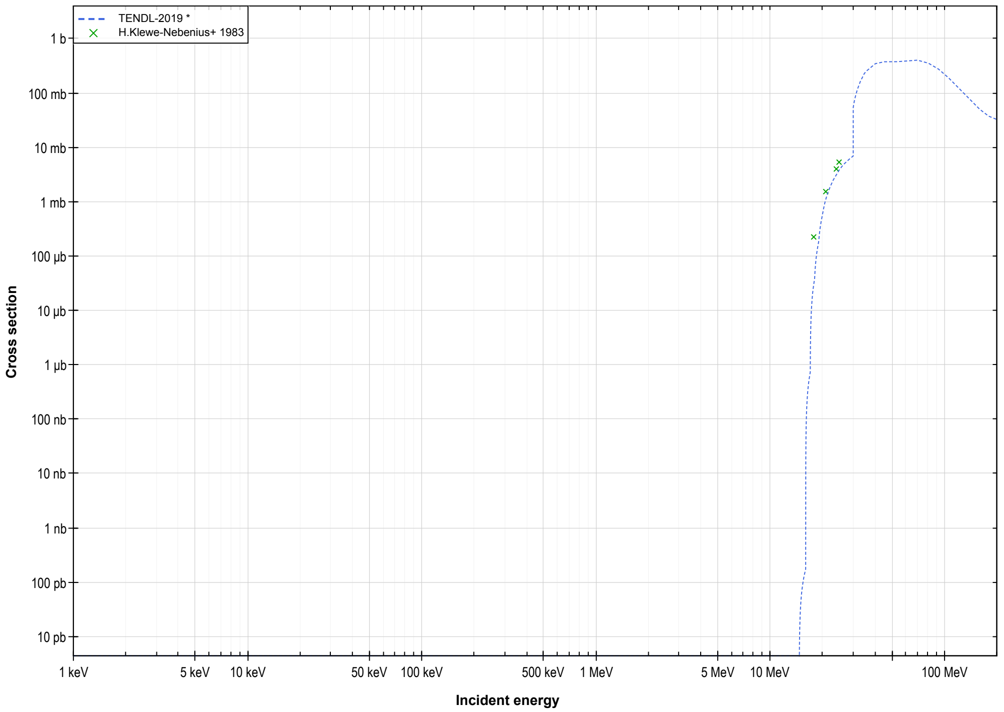
<< 22-Ti-48	**23-V-51**	24-Cr-50 >>
<< 22-Ti-48 MT107 (d,α)	**MT16 (d,2n) or MT5 (Cr51 production)**	MT33 (d,n+t) >>



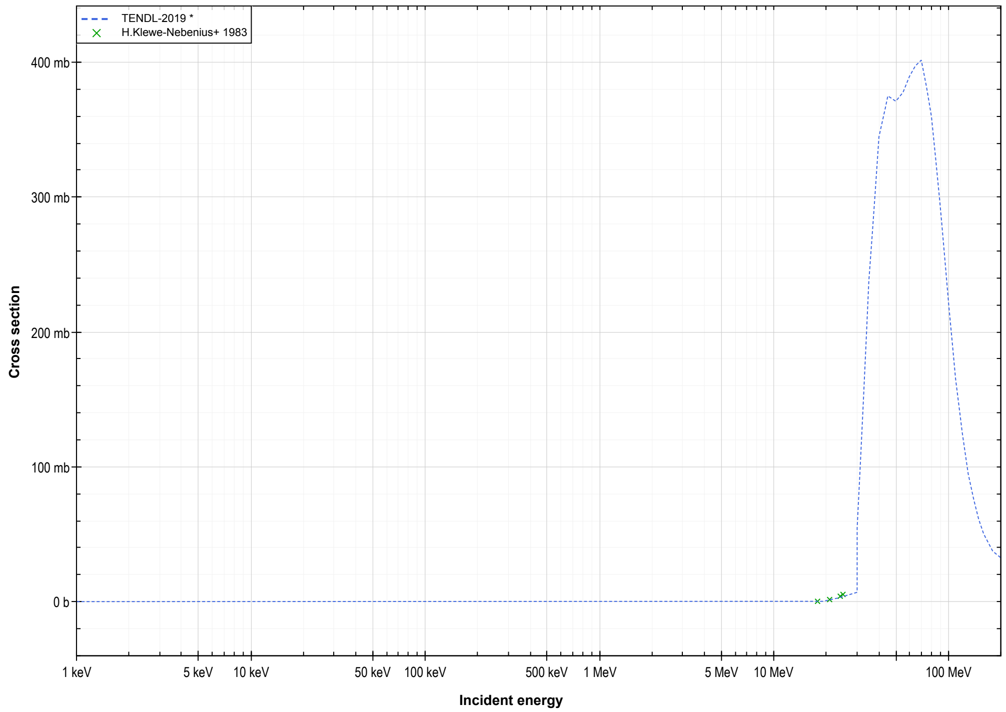


Reaction	Q-Value
V51(d,2n)Cr51	-3759.31 keV

V51 (d,n+t) or V49 production log-log



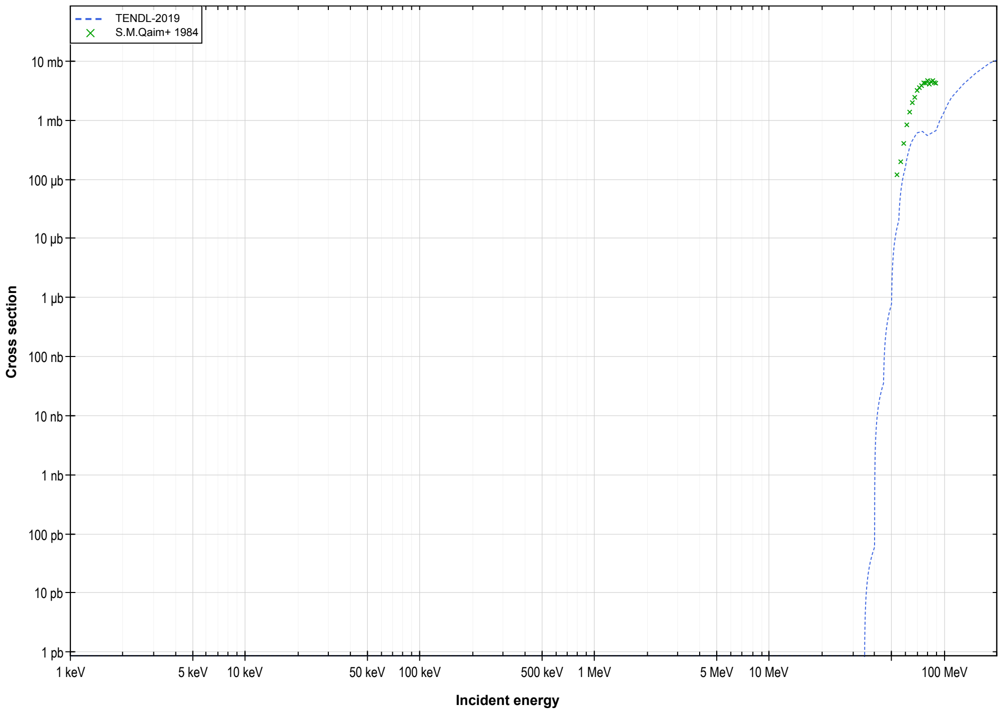
V51 (d,n+t) or V49 production lin-log



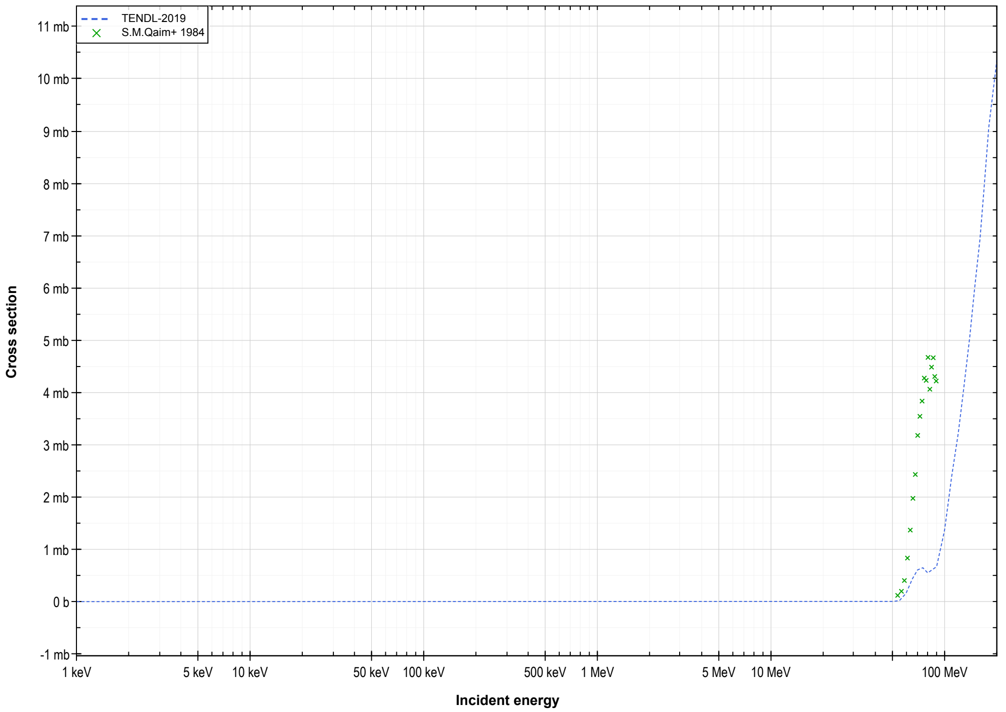
Reaction	Q-Value
V51(d,n+t)V49	-14127.31 keV
V51(d,2n+d)V49	-20384.53 keV
V51(d,3n+p)V49	-22609.10 keV

<< 13-Al-27	**23-V-51**	
<< MT33 (d,n+t)	**MT35 (d,n+d+2α) or MT5 (K42 production)**	MT37 (d,4n) >>

V51 (d,n+d+2α) or K42 production log-log

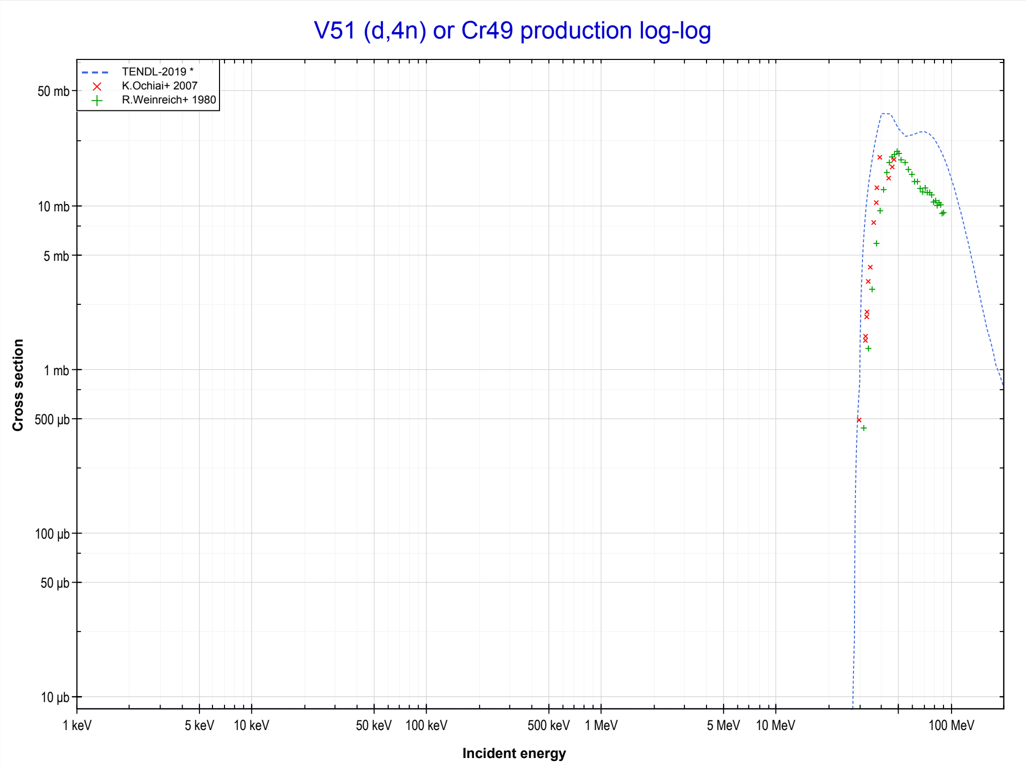


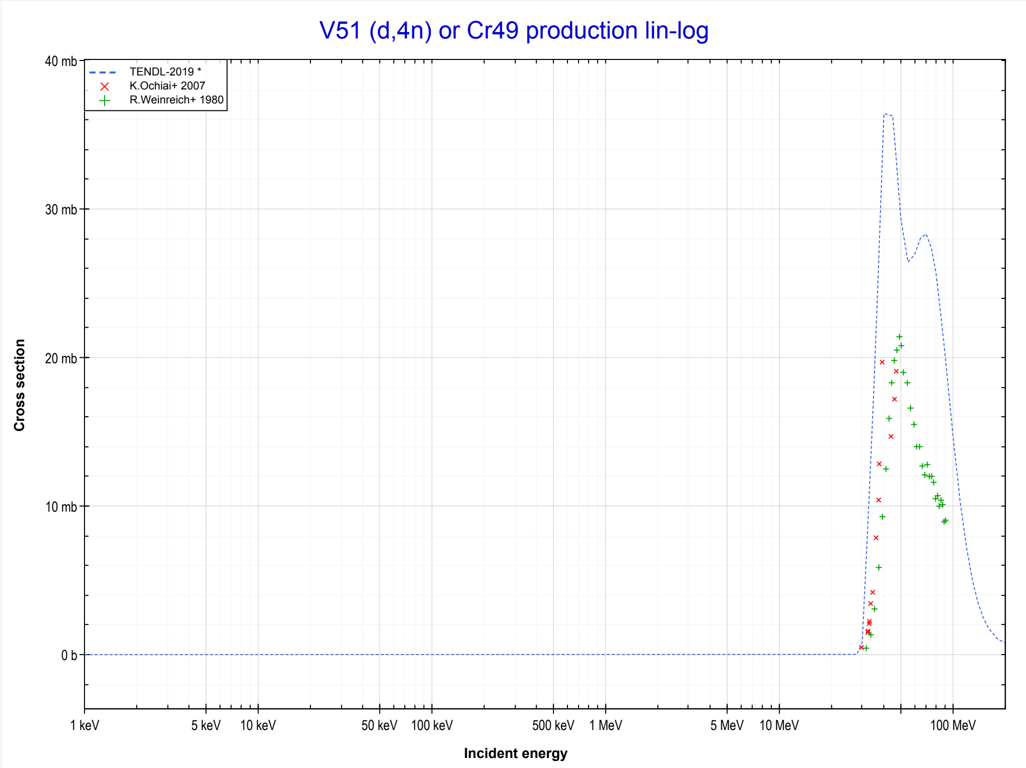
V51 (d,n+d+2α) or K42 production lin-log



Reaction	Q-Value	Reaction	Q-Value
V51(d,t+2α)K42	-23845.69 keV	V51(d,2n+2p+t+α)K42	-52141.35 keV
V51(d,n+d+2α)K42	-30102.92 keV	V51(d,3n+p+He3+α)K42	-52905.10 keV
V51(d,2n+p+2α)K42	-32327.48 keV	V51(d,n+3d+α)K42	-53949.45 keV
V51(d,p+2t+α)K42	-43659.55 keV	V51(d,2n+p+2d+α)K42	-56174.01 keV
V51(d,n+t+He3+α)K42	-44423.31 keV	V51(d,3n+2p+d+α)K42	-58398.58 keV
V51(d,2d+t+α)K42	-47692.22 keV	V51(d,4n+3p+α)K42	-60623.14 keV
V51(d,n+p+d+t+α)K42	-49916.78 keV	V51(d,d+2t+He3)K42	-62012.61 keV
V51(d,2n+d+He3+α)K42	-50680.54 keV	V51(d,2p+3t)K42	-63473.42 keV

	23-V-51	27-Co-59 >>
<< MT35 (d,n+d+2α)	**MT37 (d,4n) or MT5 (Cr49 production)**	MT45 (d,n+p+α) >>

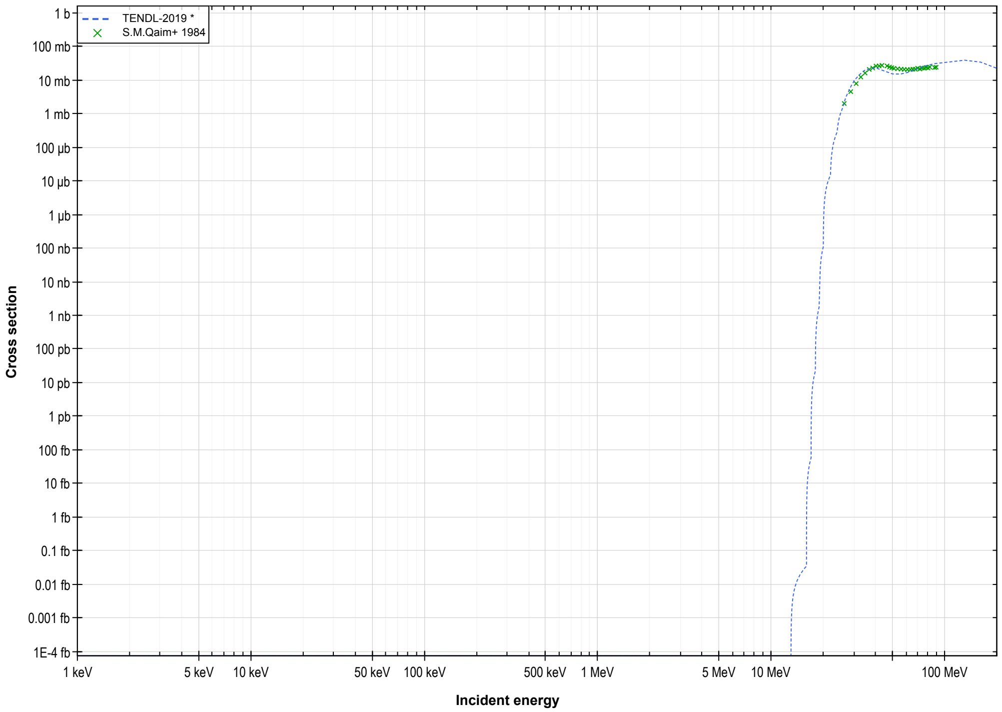




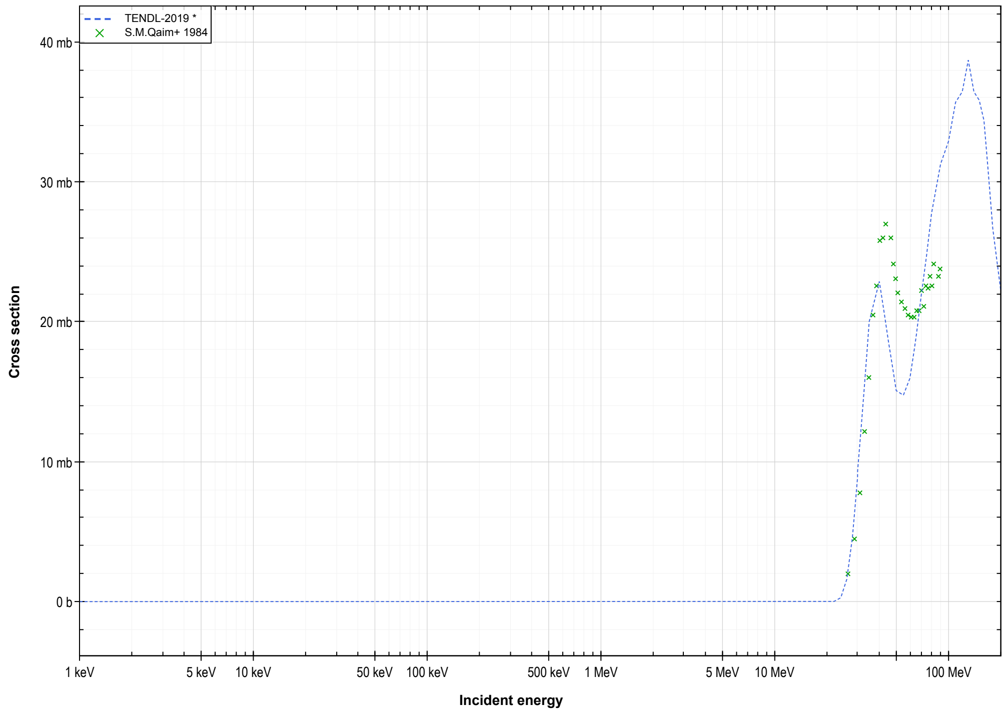
Reaction	Q-Value
V51(d,4n)Cr49	-26020.25 keV

	23-V-51	
<< MT37 (d,4n)	**MT45 (d,n+p+α) or MT5 (Sc47 production)**	MT109 (d,3α) >>

V51 (d,n+p+α) or Sc47 production log-log

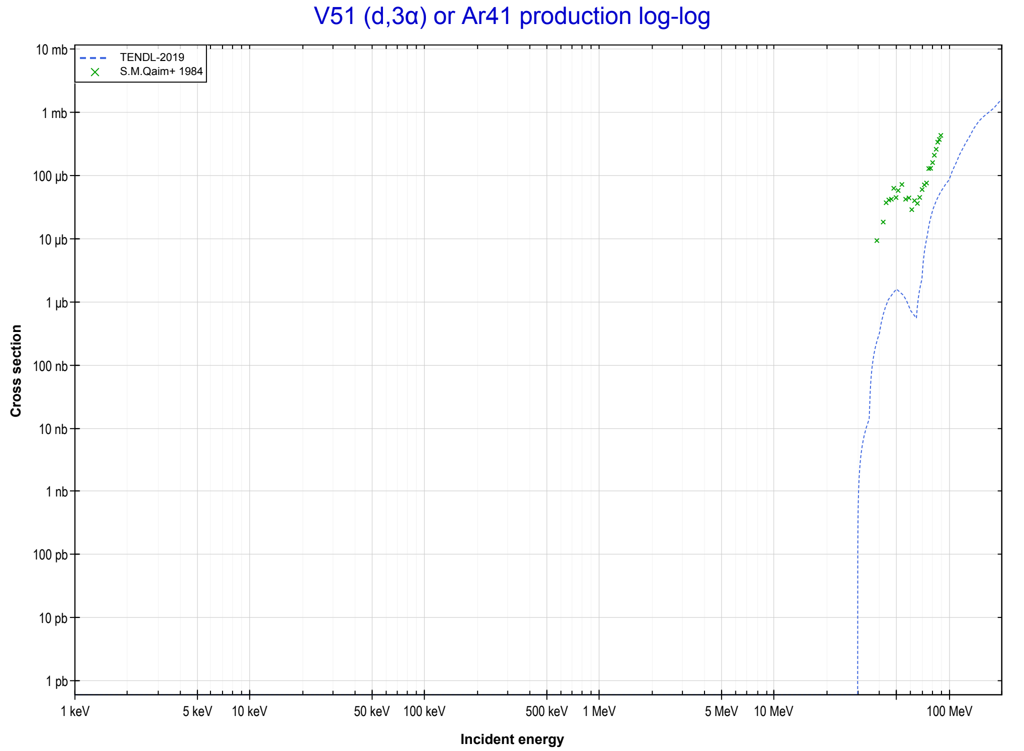


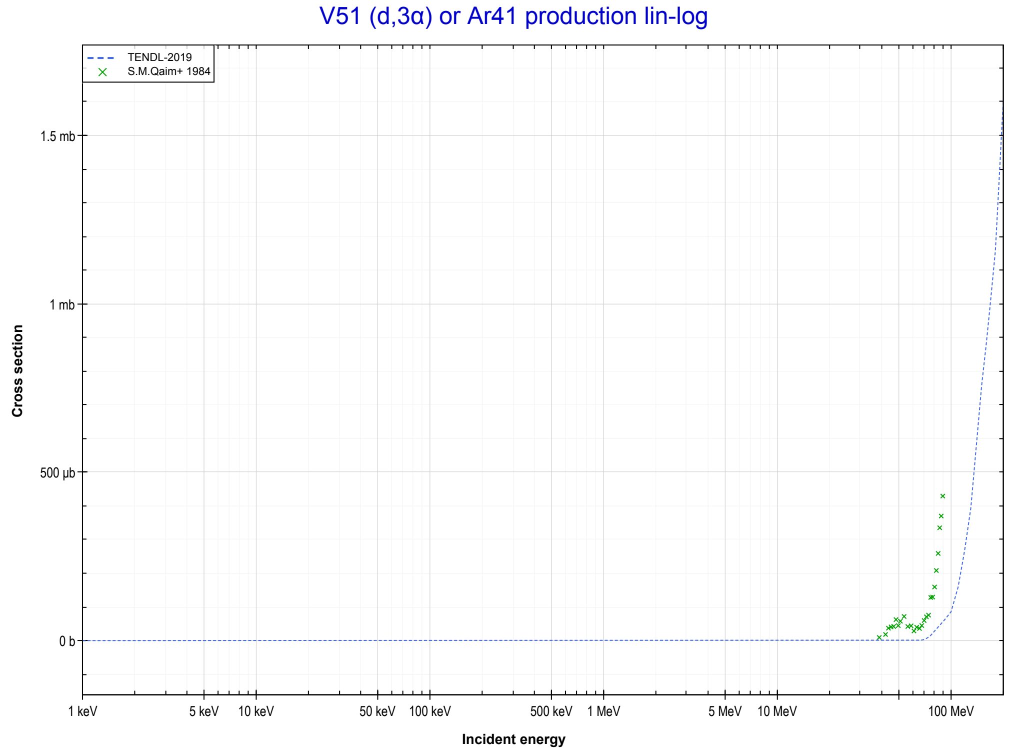
V51 (d,n+p+α) or Sc47 production lin-log



Reaction	Q-Value	Reaction	Q-Value
V51(d,d+α)Sc47	-10292.12 keV	V51(d,n+p+2d)Sc47	-36363.21 keV
V51(d,n+p+α)Sc47	-12516.68 keV	V51(d,2n+2p+d)Sc47	-38587.78 keV
V51(d,t+He3)Sc47	-24612.51 keV	V51(d,3n+3p)Sc47	-40812.34 keV
V51(d,p+d+t)Sc47	-30105.98 keV		
V51(d,n+d+He3)Sc47	-30869.73 keV		
V51(d,n+2p+t)Sc47	-32330.55 keV		
V51(d,2n+p+He3)Sc47	-33094.30 keV		
V51(d,3d)Sc47	-34138.64 keV		

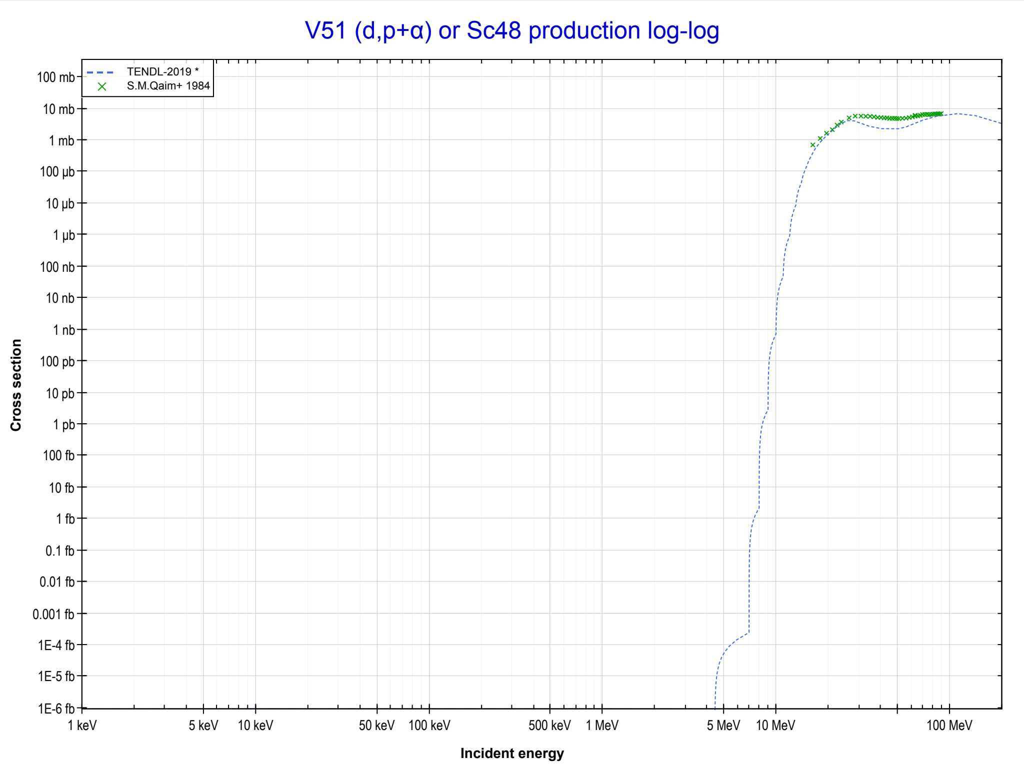
	23-V-51	
<< MT45 (d,n+p+α)	**MT109 (d,3α) or MT5 (Ar41 production)**	MT112 (d,p+α) >>

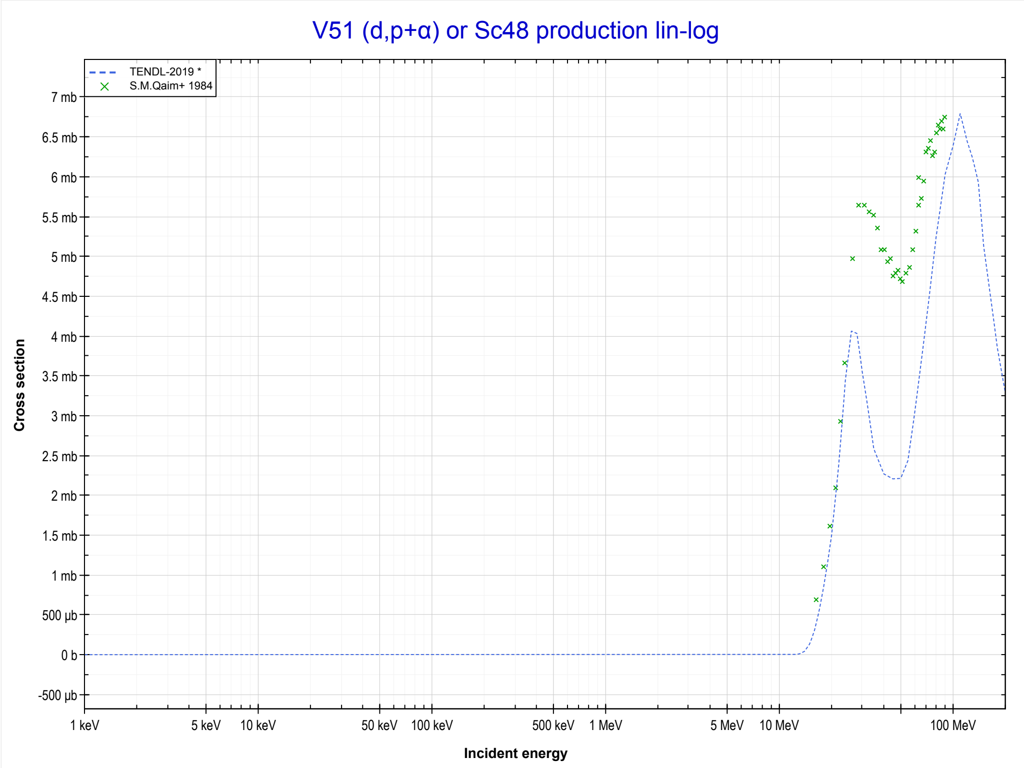




Reaction	Q-Value	Reaction	Q-Value
V51(d,3α)Ar41	-13275.33 keV	V51(d,n+p+t+He3+α)Ar41	-53666.81 keV
V51(d,p+t+2α)Ar41	-33089.19 keV	V51(d,2n+2He3+α)Ar41	-54430.56 keV
V51(d,n+He3+2α)Ar41	-33852.94 keV	V51(d,p+2d+t+α)Ar41	-56935.72 keV
V51(d,2d+2α)Ar41	-37121.85 keV	V51(d,n+2d+He3+α)Ar41	-57699.47 keV
V51(d,n+p+d+2α)Ar41	-39346.42 keV	V51(d,n+2p+d+t+α)Ar41	-59160.28 keV
V51(d,2n+2p+2α)Ar41	-41570.98 keV	V51(d,2n+p+d+He3+α)Ar41	-59924.04 keV
V51(d,d+t+He3+α)Ar41	-51442.24 keV	V51(d,4d+α)Ar41	-60968.38 keV
V51(d,2p+2t+α)Ar41	-52903.05 keV	V51(d,2n+3p+t+α)Ar41	-61384.85 keV

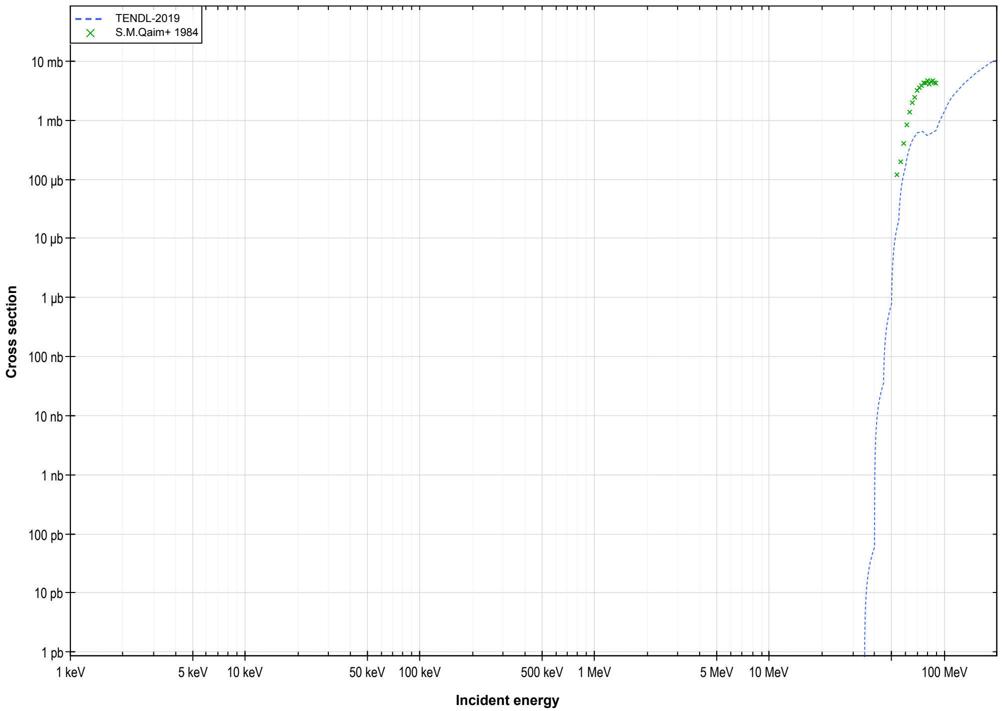
<< 17-Cl-35	23-V-51	27-Co-59 >>
<< MT109 (d,3α)	**MT112 (d,p+α) or MT5 (Sc48 production)**	MT113 (d,t+2α) >>



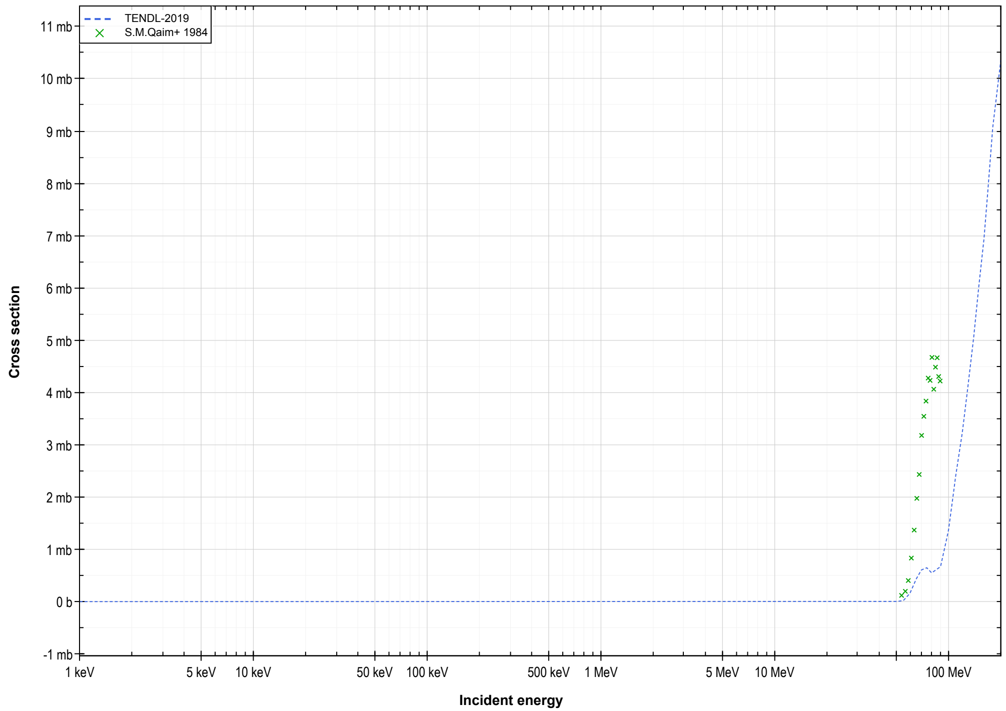


Reaction	Q-Value
V51(d,p+α)Sc48	-4277.96 keV
V51(d,d+He3)Sc48	-22631.02 keV
V51(d,2p+t)Sc48	-24091.83 keV
V51(d,n+p+He3)Sc48	-24855.58 keV
V51(d,p+2d)Sc48	-28124.49 keV
V51(d,n+2p+d)Sc48	-30349.06 keV
V51(d,2n+3p)Sc48	-32573.62 keV

V51 (d,t+2α) or K42 production log-log

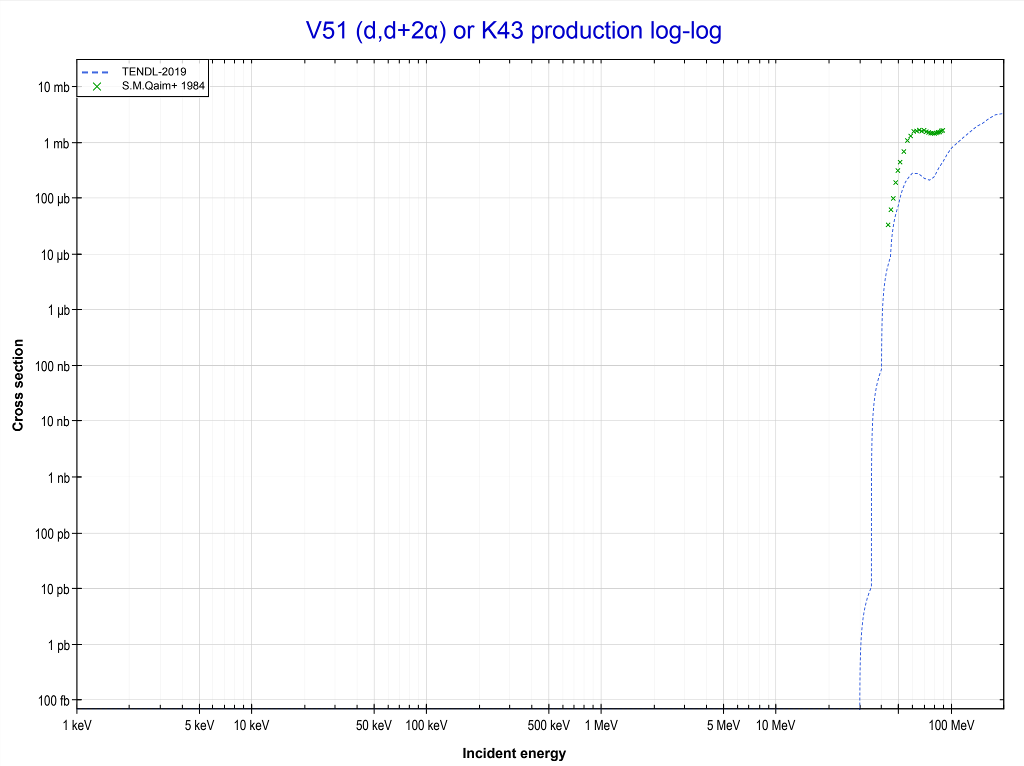


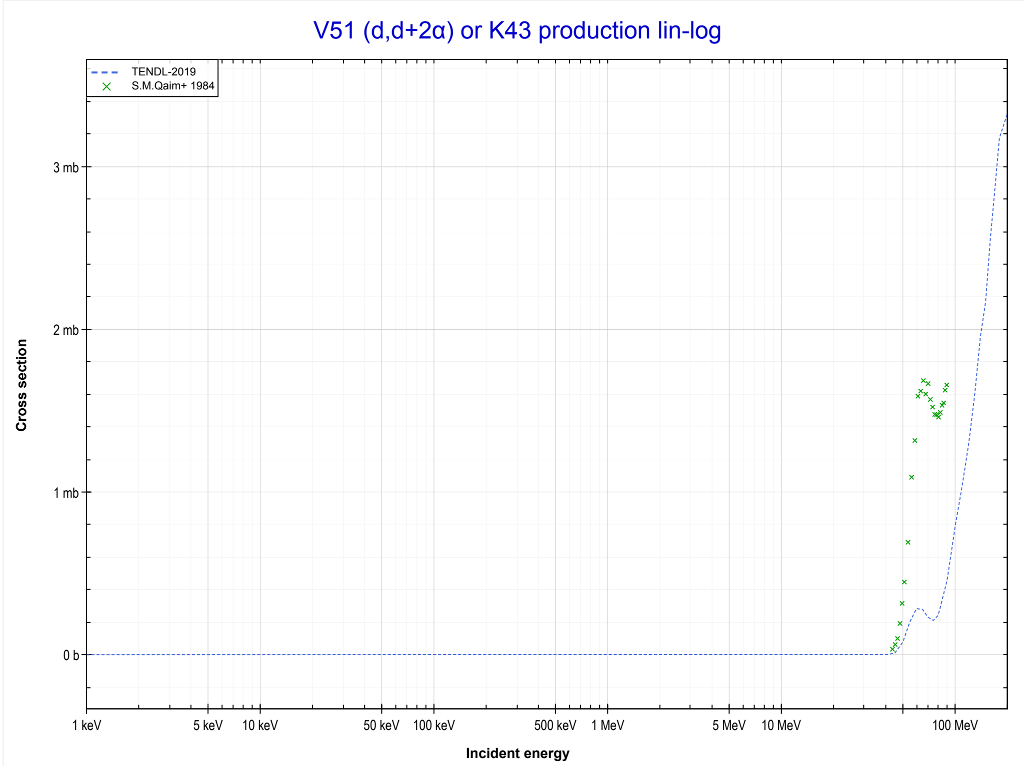
V51 (d,t+2α) or K42 production lin-log



Reaction	Q-Value	Reaction	Q-Value
V51(d,t+2α)K42	-23845.69 keV	V51(d,2n+2p+t+α)K42	-52141.35 keV
V51(d,n+d+2α)K42	-30102.92 keV	V51(d,3n+p+He3+α)K42	-52905.10 keV
V51(d,2n+p+2α)K42	-32327.48 keV	V51(d,n+3d+α)K42	-53949.45 keV
V51(d,p+2t+α)K42	-43659.55 keV	V51(d,2n+p+2d+α)K42	-56174.01 keV
V51(d,n+t+He3+α)K42	-44423.31 keV	V51(d,3n+2p+d+α)K42	-58398.58 keV
V51(d,2d+t+α)K42	-47692.22 keV	V51(d,4n+3p+α)K42	-60623.14 keV
V51(d,n+p+d+t+α)K42	-49916.78 keV	V51(d,d+2t+He3)K42	-62012.61 keV
V51(d,2n+d+He3+α)K42	-50680.54 keV	V51(d,2p+3t)K42	-63473.42 keV

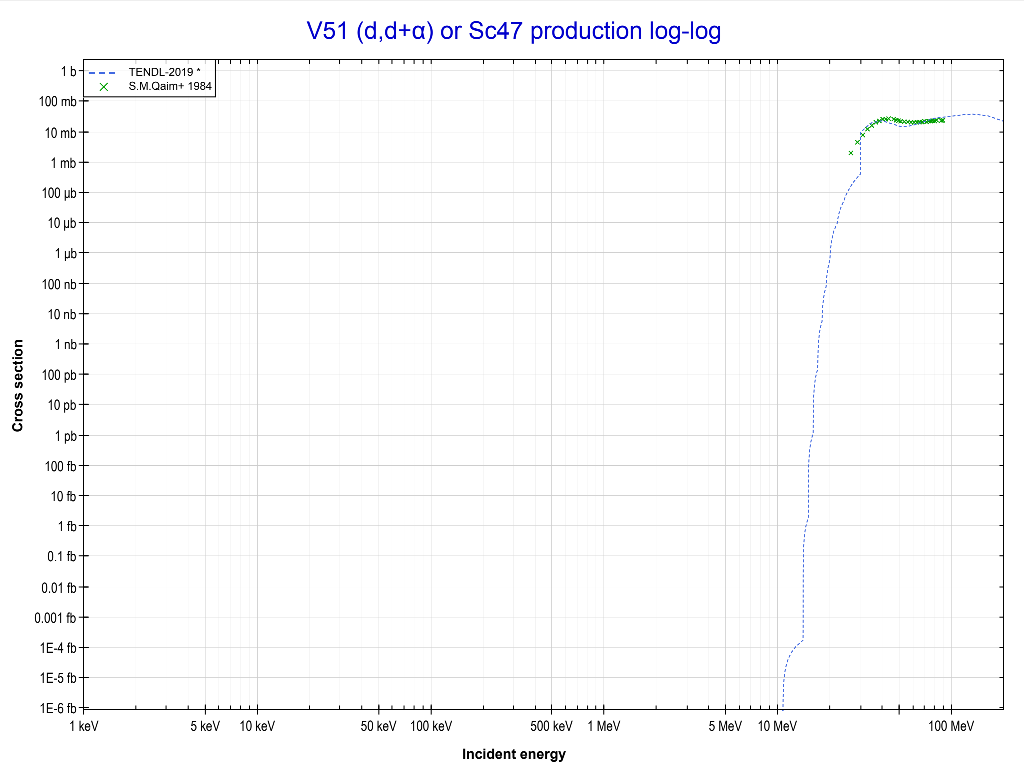
<< 4-Be-9	23-V-51	
<< MT113 (d,t+2α)	**MT114 (d,d+2α) or MT5 (K43 production)**	MT117 (d,d+α) >>

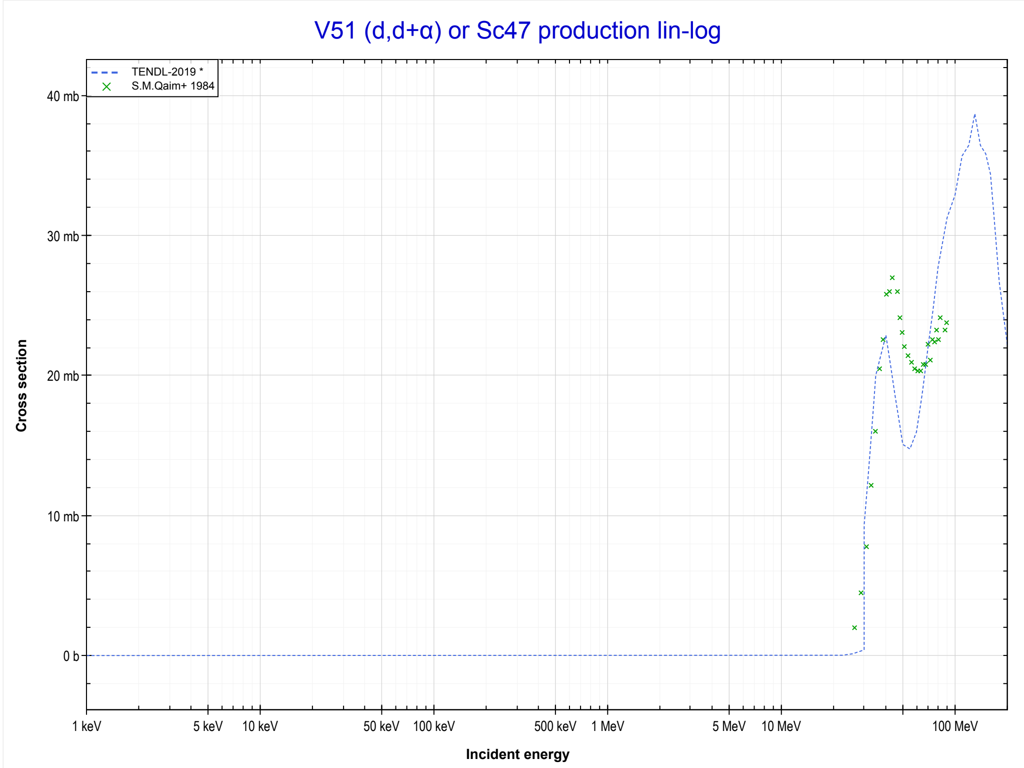




Reaction	Q-Value	Reaction	Q-Value
V51(d,d+2α)K43	-20478.23 keV	V51(d,n+p+2d+α)K43	-46549.33 keV
V51(d,n+p+2α)K43	-22702.80 keV	V51(d,2n+2p+d+α)K43	-48773.89 keV
V51(d,t+He3+α)K43	-34798.62 keV	V51(d,3n+3p+α)K43	-50998.46 keV
V51(d,p+d+t+α)K43	-40292.10 keV	V51(d,p+2t+He3)K43	-54612.49 keV
V51(d,n+d+He3+α)K43	-41055.85 keV	V51(d,n+t+2He3)K43	-55376.24 keV
V51(d,n+2p+t+α)K43	-42516.66 keV	V51(d,2d+t+He3)K43	-58645.15 keV
V51(d,2n+p+He3+α)K43	-43280.42 keV	V51(d,2p+d+2t)K43	-60105.96 keV
V51(d,3d+α)K43	-44324.76 keV	V51(d,n+p+d+t+He3)K43	-60869.72 keV

	23-V-51	
<< MT114 (d,d+2α)	**MT117 (d,d+α) or MT5 (Sc47 production)**	MT152 (d,5n) >>

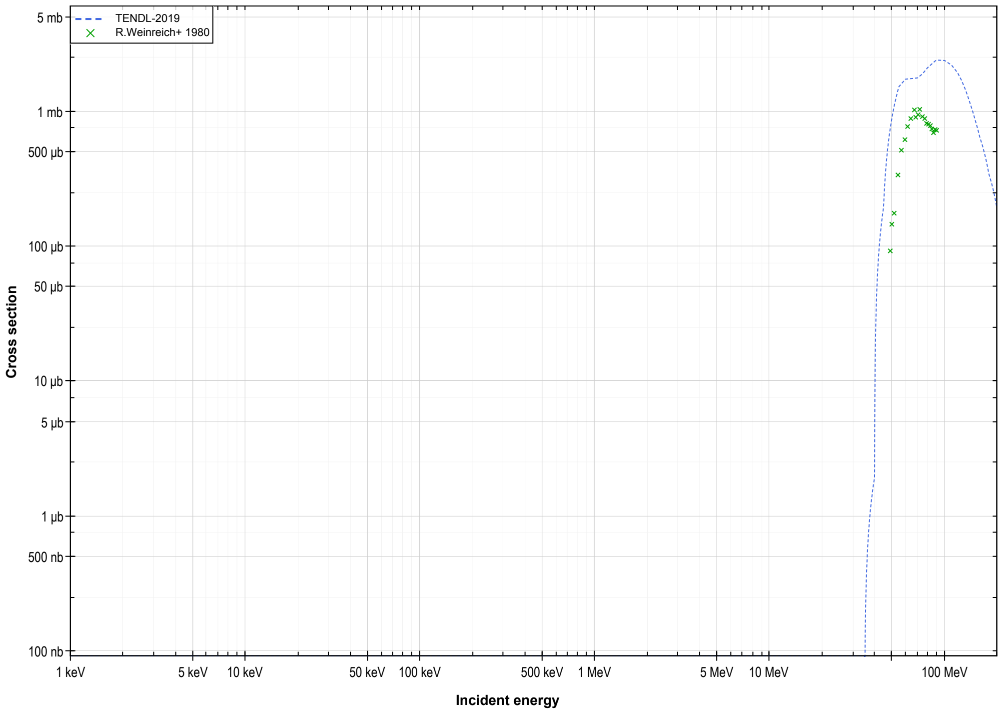




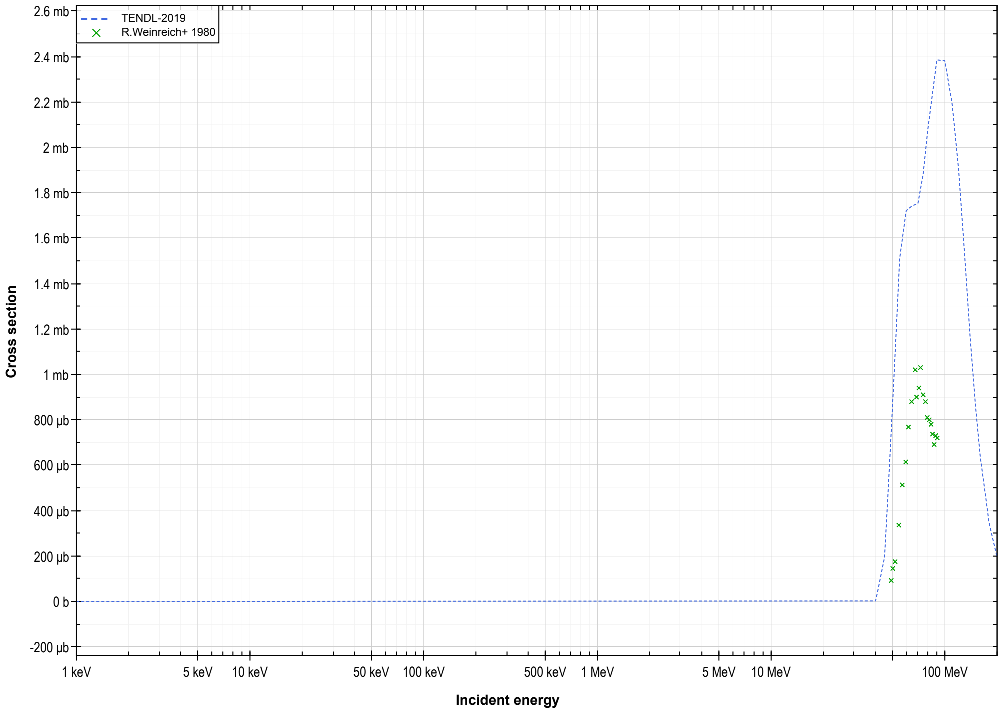
Reaction	Q-Value	Reaction	Q-Value
V51(d,d+α)Sc47	-10292.12 keV	V51(d,n+p+2d)Sc47	-36363.21 keV
V51(d,n+p+α)Sc47	-12516.68 keV	V51(d,2n+2p+d)Sc47	-38587.78 keV
V51(d,t+He3)Sc47	-24612.51 keV	V51(d,3n+3p)Sc47	-40812.34 keV
V51(d,p+d+t)Sc47	-30105.98 keV		
V51(d,n+d+He3)Sc47	-30869.73 keV		
V51(d,n+2p+t)Sc47	-32330.55 keV		
V51(d,2n+p+He3)Sc47	-33094.30 keV		
V51(d,3d)Sc47	-34138.64 keV		

	23-V-51	27-Co-59 >>
<< MT117 (d,d+α)	**MT152 (d,5n) or MT5 (Cr48 production)**	MT154 (d,2n+t) >>

V51 (d,5n) or Cr48 production log-log

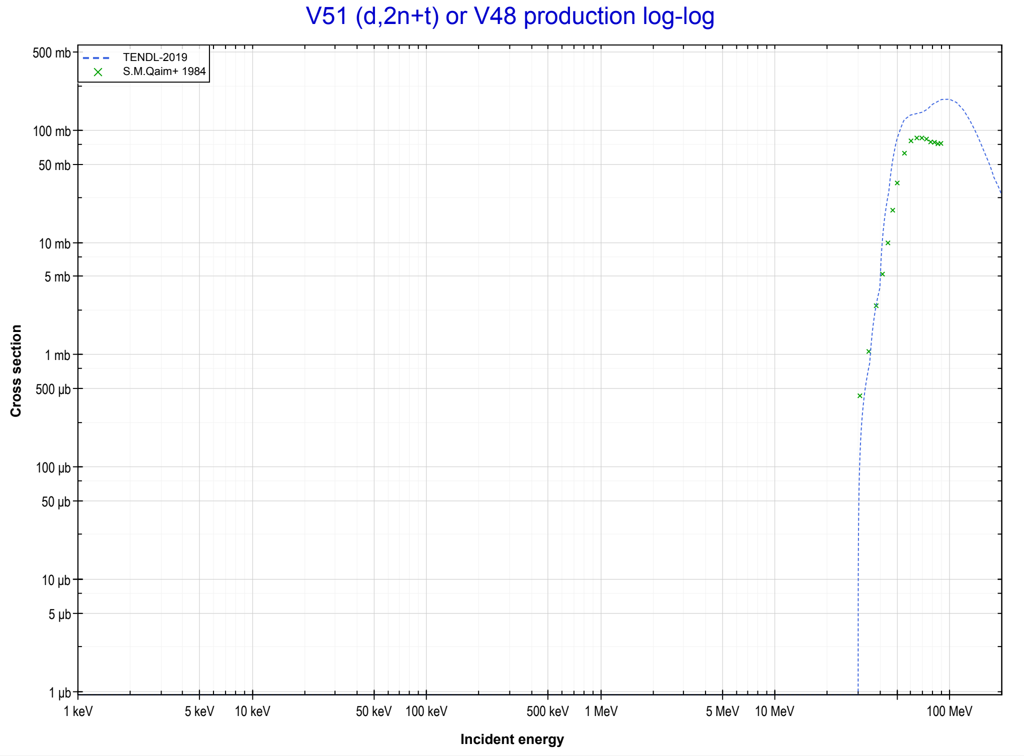


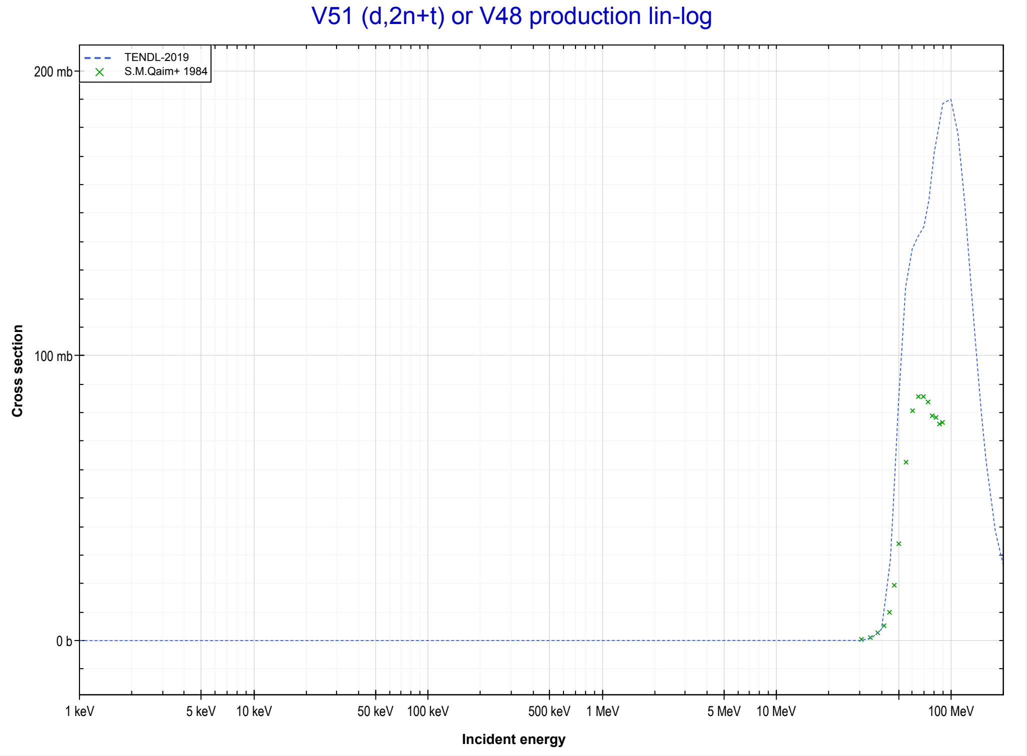
V51 (d,5n) or Cr48 production lin-log



Reaction	Q-Value
V51(d,5n)Cr48	-36602.66 keV

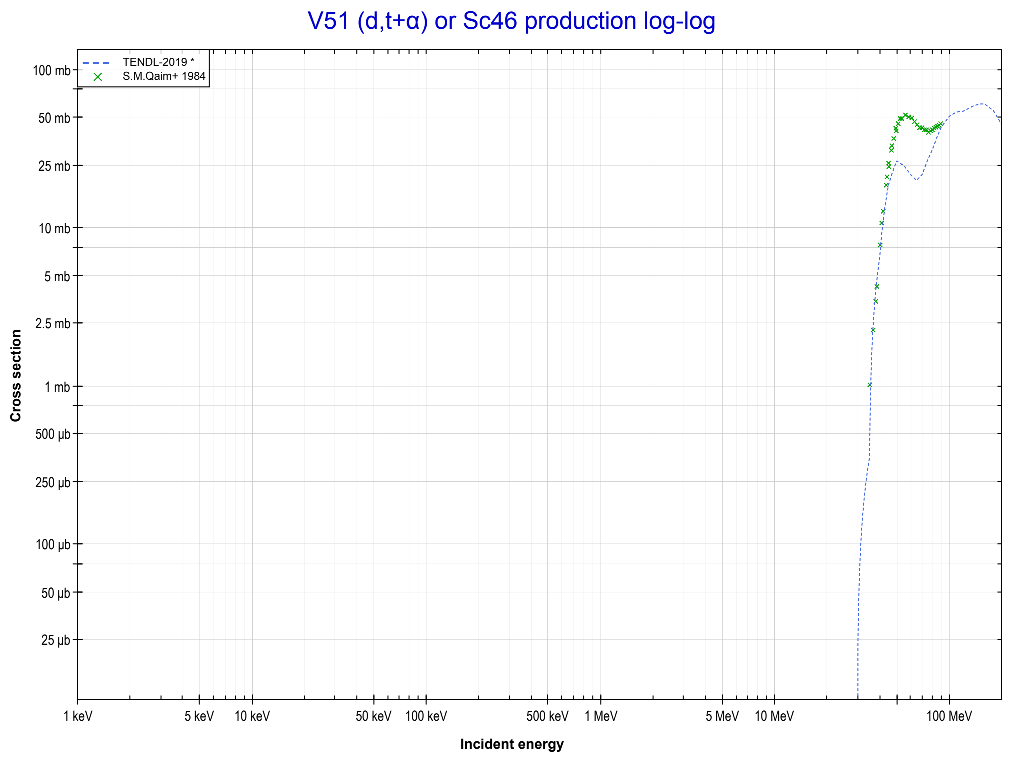
	23-V-51	25-Mn-55 >>
<< MT152 (d,5n)	**MT154 (d,2n+t) or MT5 (V48 production)**	MT155 (d,t+α) >>

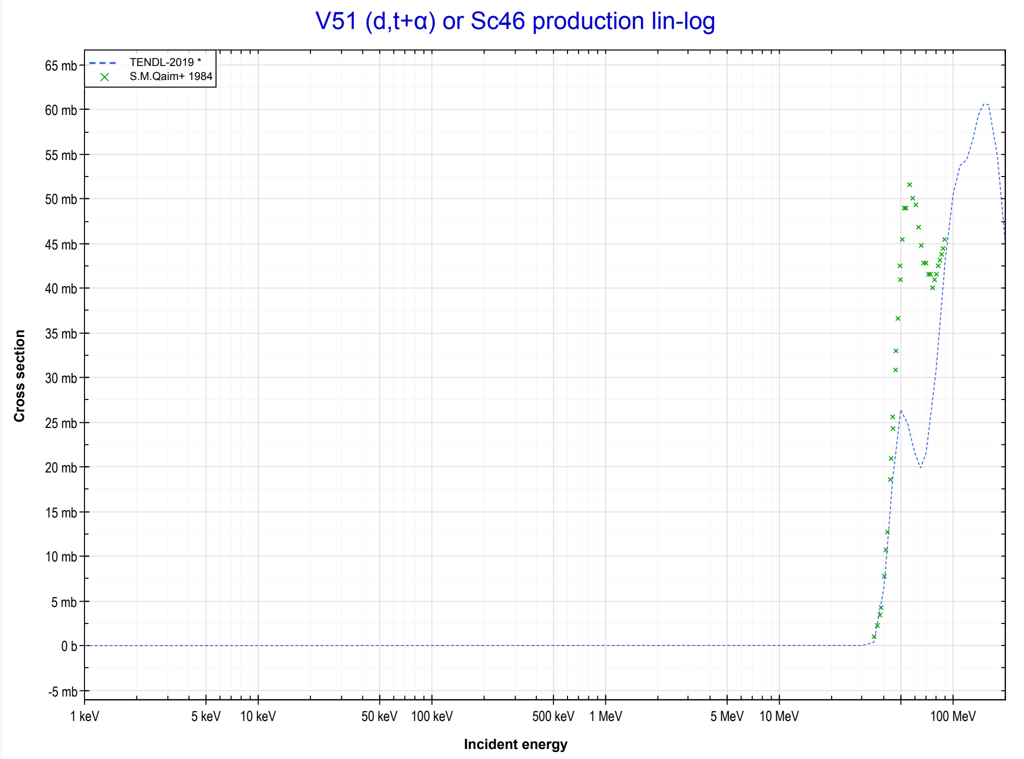




Reaction	Q-Value
V51(d,2n+t)V48	-25682.82 keV
V51(d,3n+d)V48	-31940.05 keV
V51(d,4n+p)V48	-34164.62 keV

<< 13-Al-27	**23-V-51**	27-Co-59 >>
<< MT154 (d,2n+t)	**MT155 (d,t+α) or MT5 (Sc46 production)**	MT156 (d,4n+p) >>

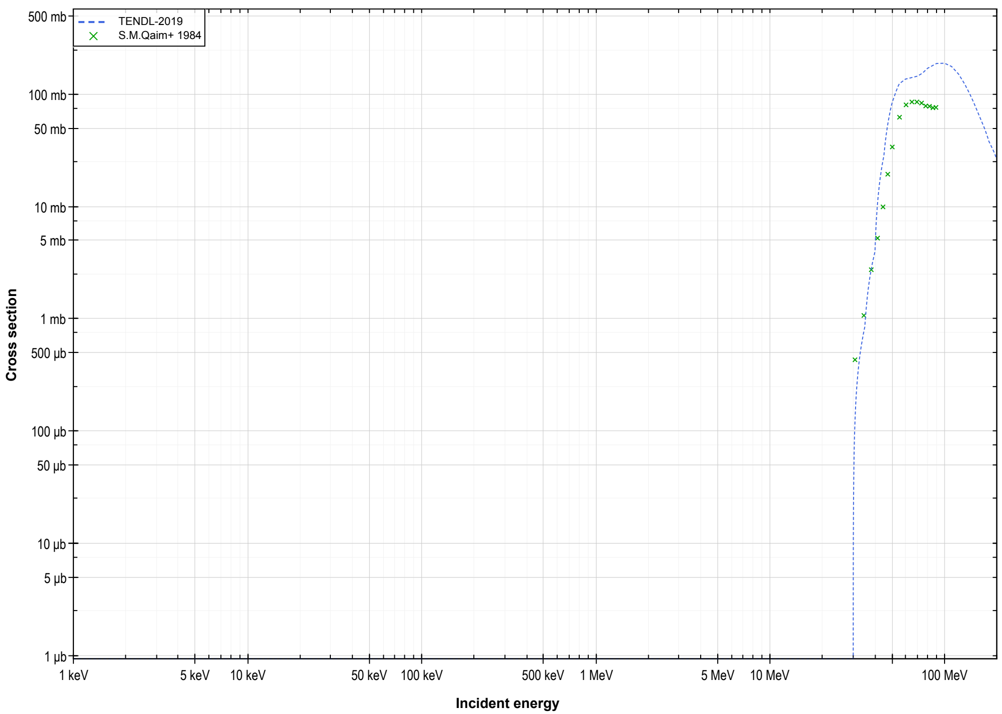




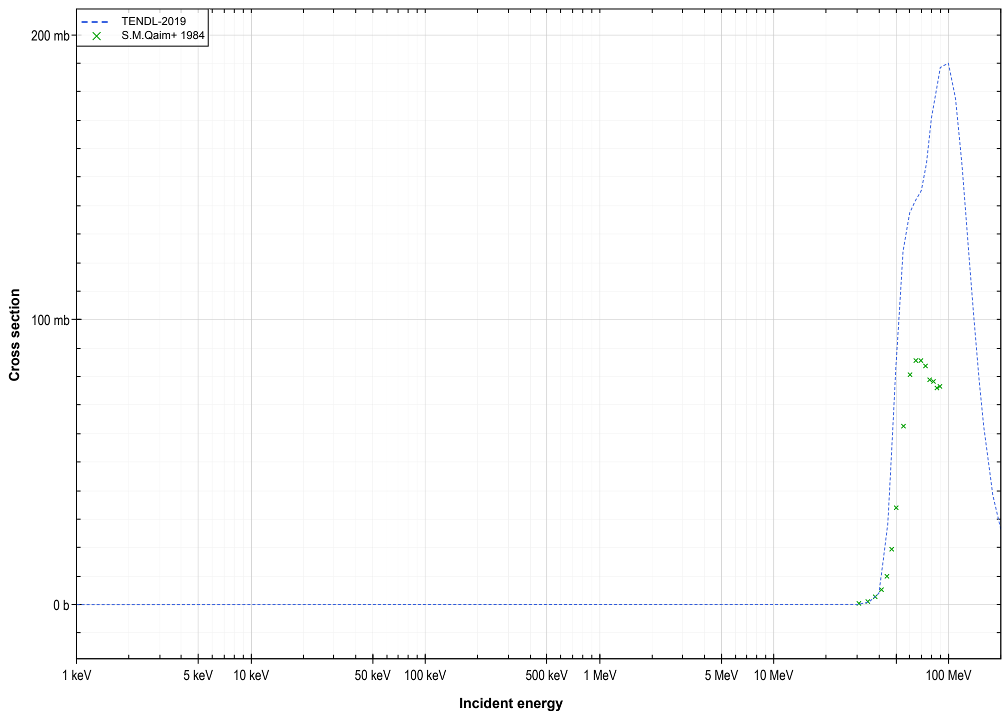
Reaction	Q-Value	Reaction	Q-Value
V51(d,t+α)Sc46	-14681.60 keV	V51(d,2n+2p+t)Sc46	-42977.26 keV
V51(d,n+d+α)Sc46	-20938.83 keV	V51(d,3n+p+He3)Sc46	-43741.02 keV
V51(d,2n+p+α)Sc46	-23163.40 keV	V51(d,n+3d)Sc46	-44785.36 keV
V51(d,p+2t)Sc46	-34495.47 keV	V51(d,2n+p+2d)Sc46	-47009.93 keV
V51(d,n+t+He3)Sc46	-35259.22 keV	V51(d,3n+2p+d)Sc46	-49234.49 keV
V51(d,2d+t)Sc46	-38528.13 keV	V51(d,4n+3p)Sc46	-51459.06 keV
V51(d,n+p+d+t)Sc46	-40752.70 keV		
V51(d,2n+d+He3)Sc46	-41516.45 keV		

	23-V-51	25-Mn-55 >>
<< MT155 (d,t+α)	**MT156 (d,4n+p) or MT5 (V48 production)**	MT157 (d,3n+d) >>

V51 (d,4n+p) or V48 production log-log

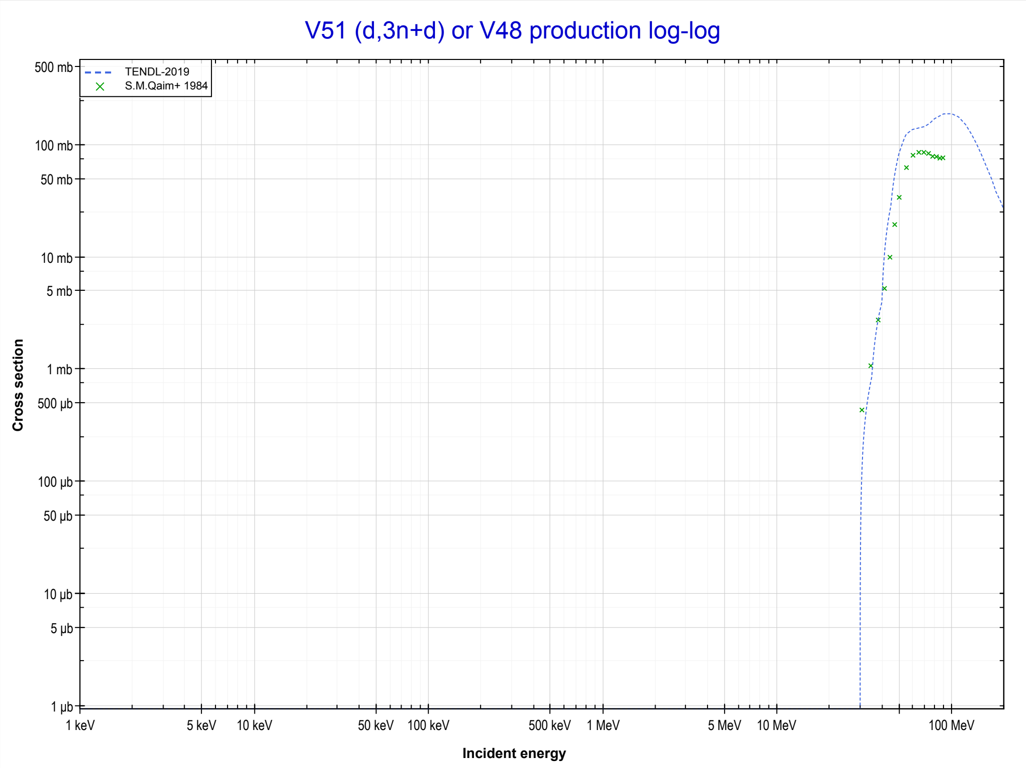


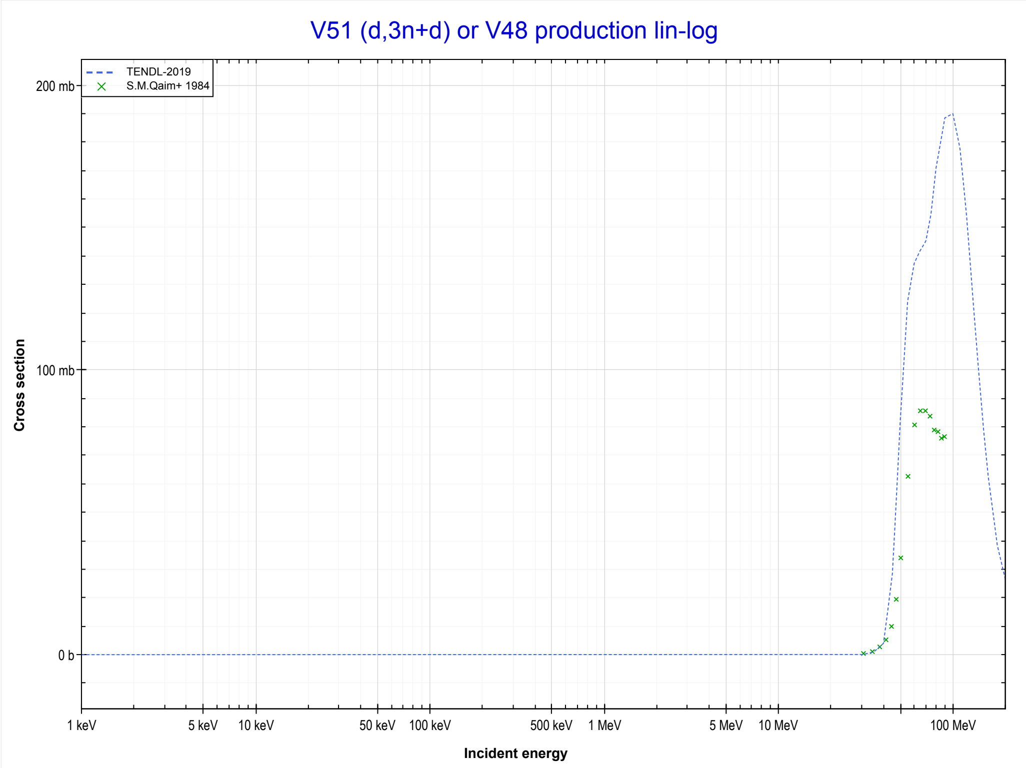
V51 (d,4n+p) or V48 production lin-log



Reaction	Q-Value
V51(d,2n+t)V48	-25682.82 keV
V51(d,3n+d)V48	-31940.05 keV
V51(d,4n+p)V48	-34164.62 keV

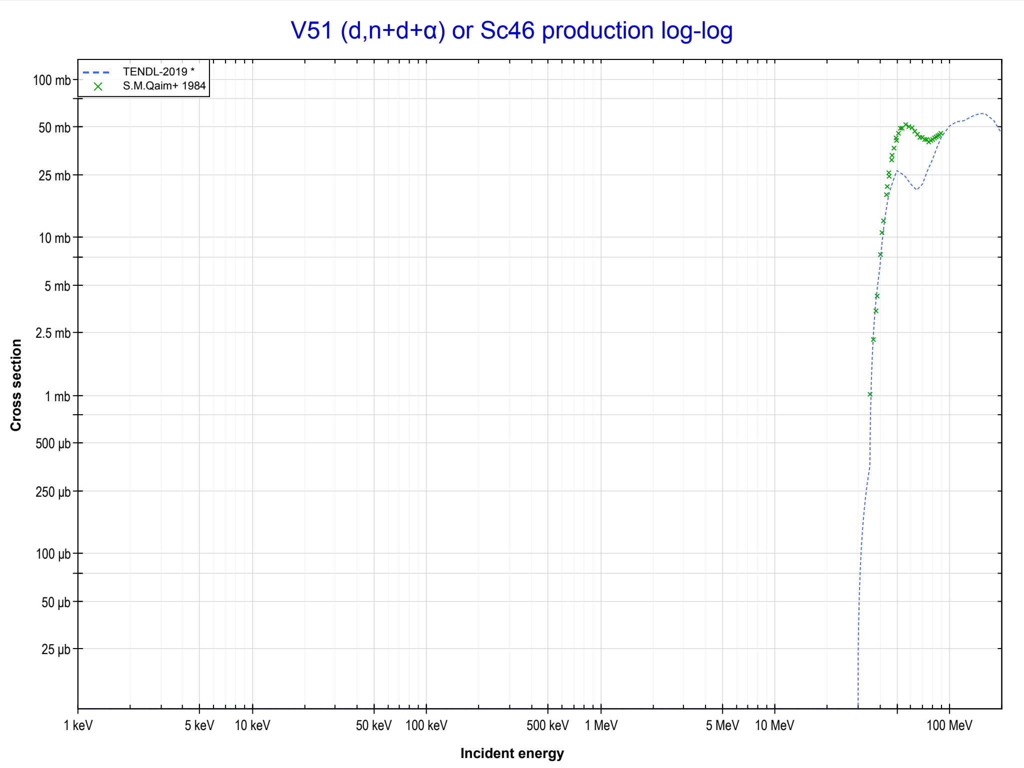
	23-V-51	25-Mn-55 >>
<< MT156 (d,4n+p)	**MT157 (d,3n+d) or MT5 (V48 production)**	MT158 (d,n+d+α) >>

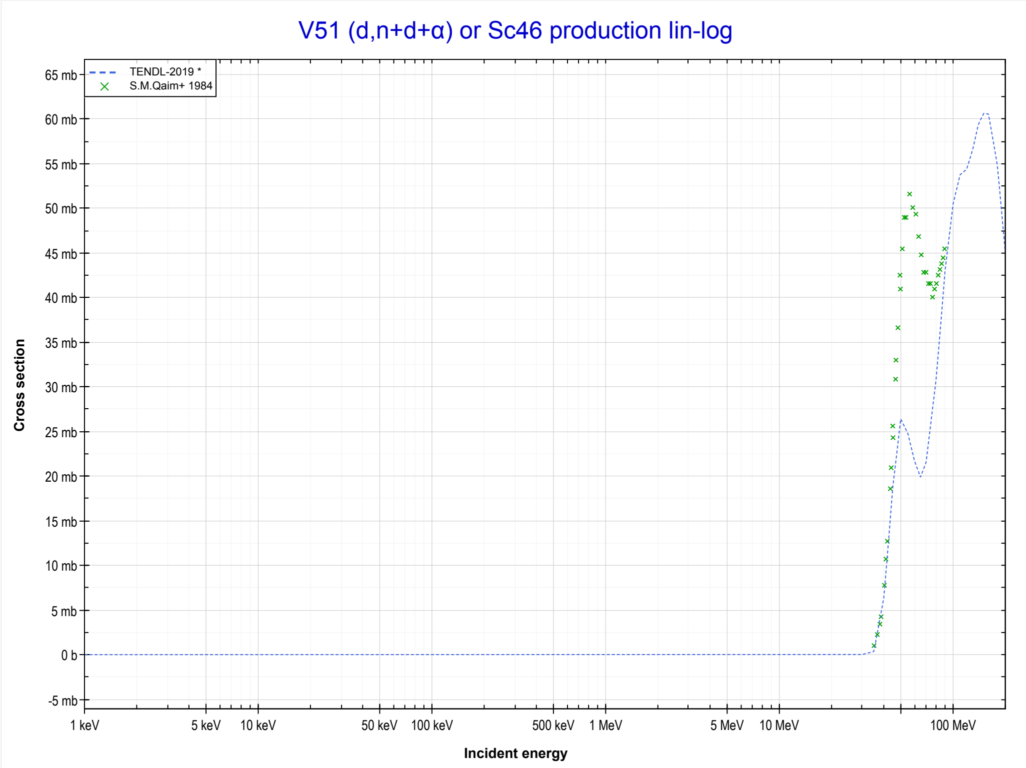




Reaction	Q-Value
V51(d,2n+t)V48	-25682.82 keV
V51(d,3n+d)V48	-31940.05 keV
V51(d,4n+p)V48	-34164.62 keV

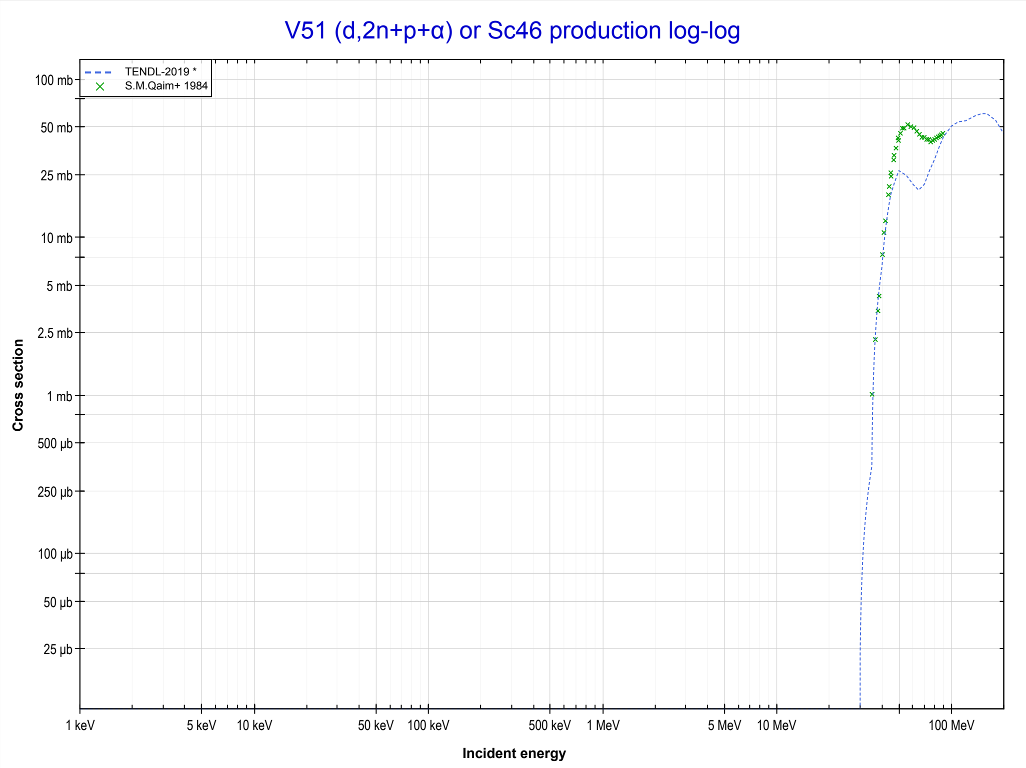
<< 13-Al-27	**23-V-51**	27-Co-59 >>
<< MT157 (d,3n+d)	**MT158 (d,n+d+α) or MT5 (Sc46 production)**	MT159 (d,2n+p+α) >>

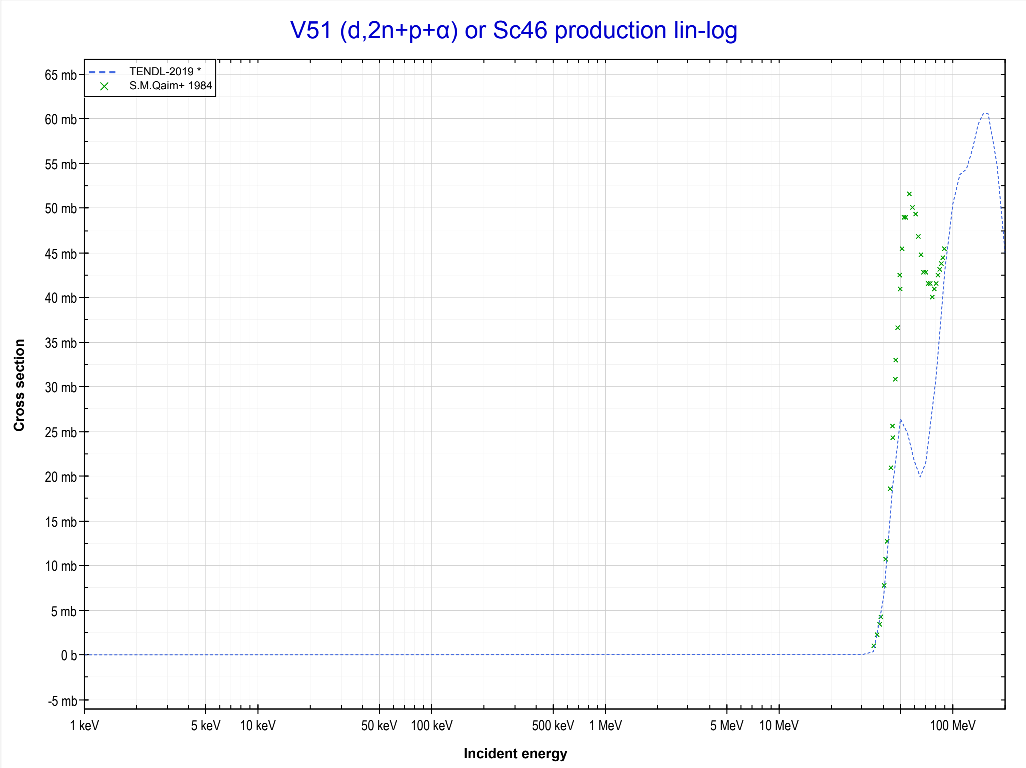




Reaction	Q-Value	Reaction	Q-Value
V51(d,t+α)Sc46	-14681.60 keV	V51(d,2n+2p+t)Sc46	-42977.26 keV
V51(d,n+d+α)Sc46	-20938.83 keV	V51(d,3n+p+He3)Sc46	-43741.02 keV
V51(d,2n+p+α)Sc46	-23163.40 keV	V51(d,n+3d)Sc46	-44785.36 keV
V51(d,p+2t)Sc46	-34495.47 keV	V51(d,2n+p+2d)Sc46	-47009.93 keV
V51(d,n+t+He3)Sc46	-35259.22 keV	V51(d,3n+2p+d)Sc46	-49234.49 keV
V51(d,2d+t)Sc46	-38528.13 keV	V51(d,4n+3p)Sc46	-51459.06 keV
V51(d,n+p+d+t)Sc46	-40752.70 keV		
V51(d,2n+d+He3)Sc46	-41516.45 keV		

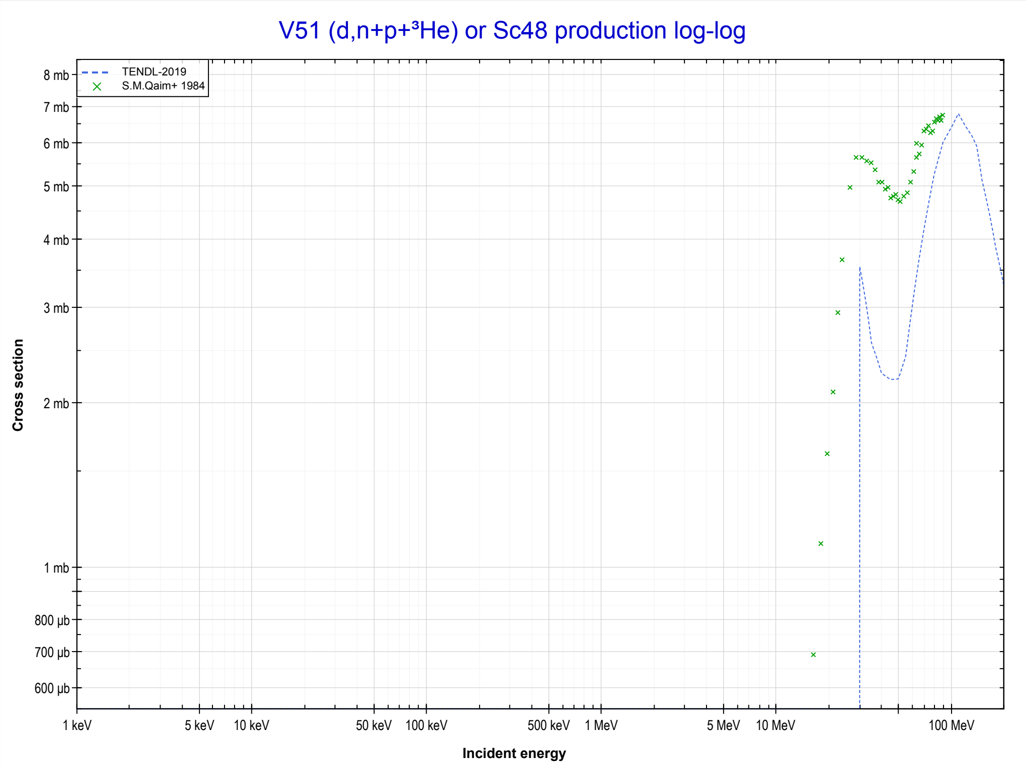
<< 13-Al-27	**23-V-51**	27-Co-59 >>
<< MT158 (d,n+d+α)	**MT159 (d,2n+p+α) or MT5 (Sc46 production)**	MT186 (d,n+p+³He) >>

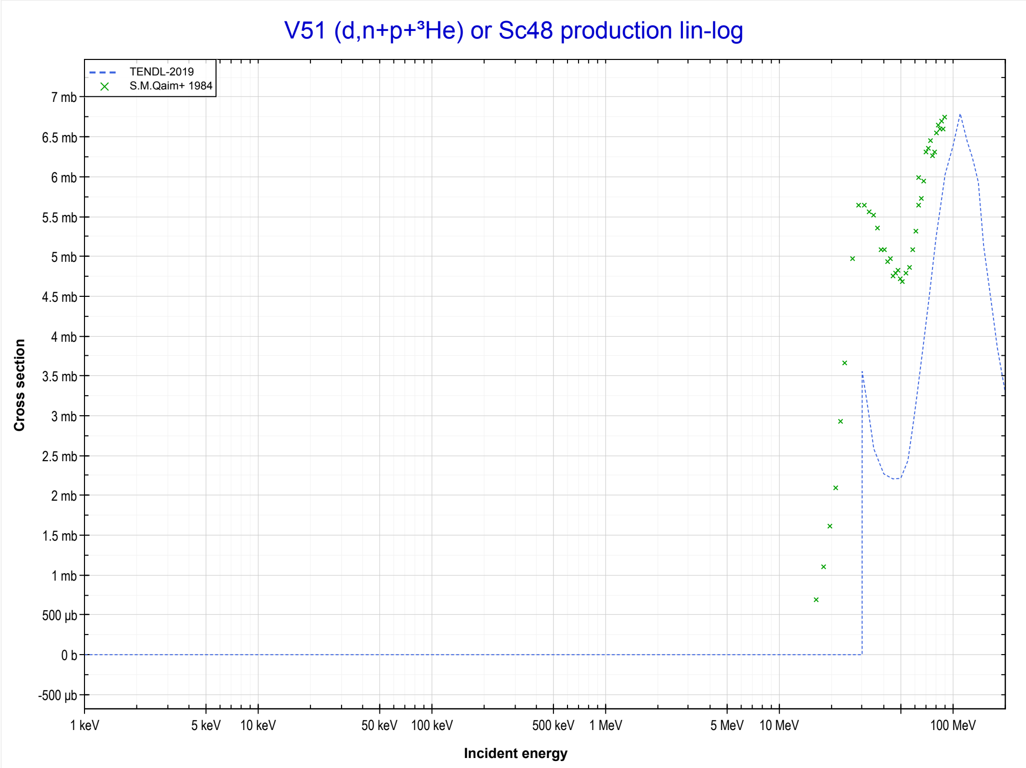




Reaction	Q-Value	Reaction	Q-Value
V51(d,t+α)Sc46	-14681.60 keV	V51(d,2n+2p+t)Sc46	-42977.26 keV
V51(d,n+d+α)Sc46	-20938.83 keV	V51(d,3n+p+He3)Sc46	-43741.02 keV
V51(d,2n+p+α)Sc46	-23163.40 keV	V51(d,n+3d)Sc46	-44785.36 keV
V51(d,p+2t)Sc46	-34495.47 keV	V51(d,2n+p+2d)Sc46	-47009.93 keV
V51(d,n+t+He3)Sc46	-35259.22 keV	V51(d,3n+2p+d)Sc46	-49234.49 keV
V51(d,2d+t)Sc46	-38528.13 keV	V51(d,4n+3p)Sc46	-51459.06 keV
V51(d,n+p+d+t)Sc46	-40752.70 keV		
V51(d,2n+d+He3)Sc46	-41516.45 keV		

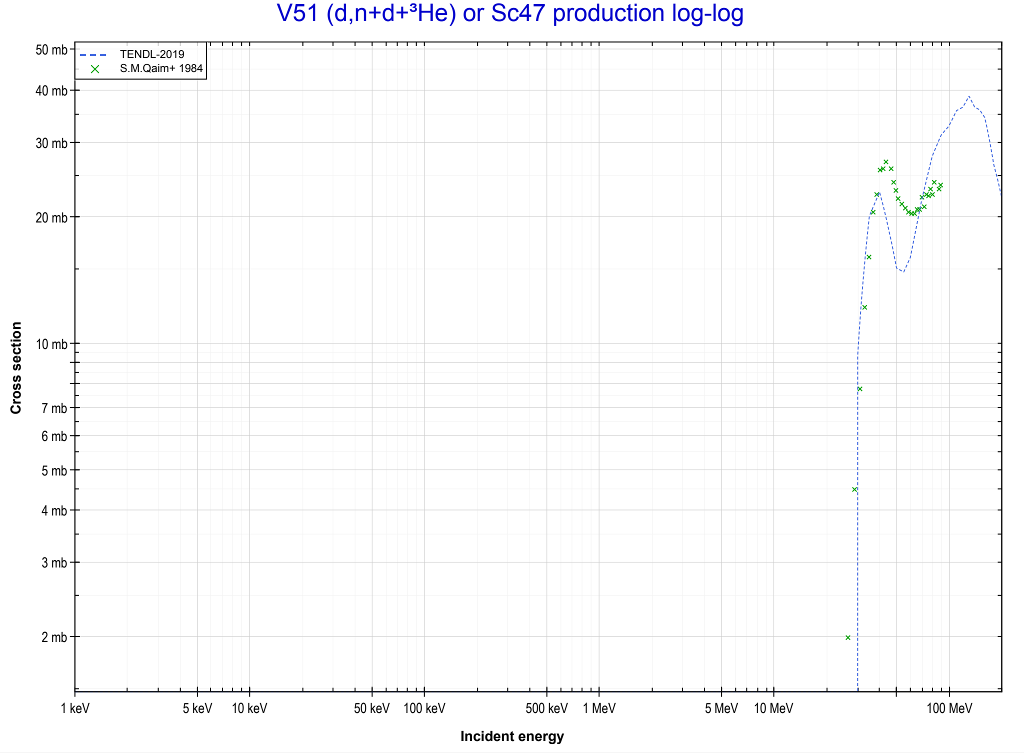
<< 13-Al-27	**23-V-51**	27-Co-59 >>
<< MT159 (d,2n+p+α)	**MT186 (d,n+p+³He) or MT5 (Sc48 production)**	MT187 (d,n+d+³He) >>

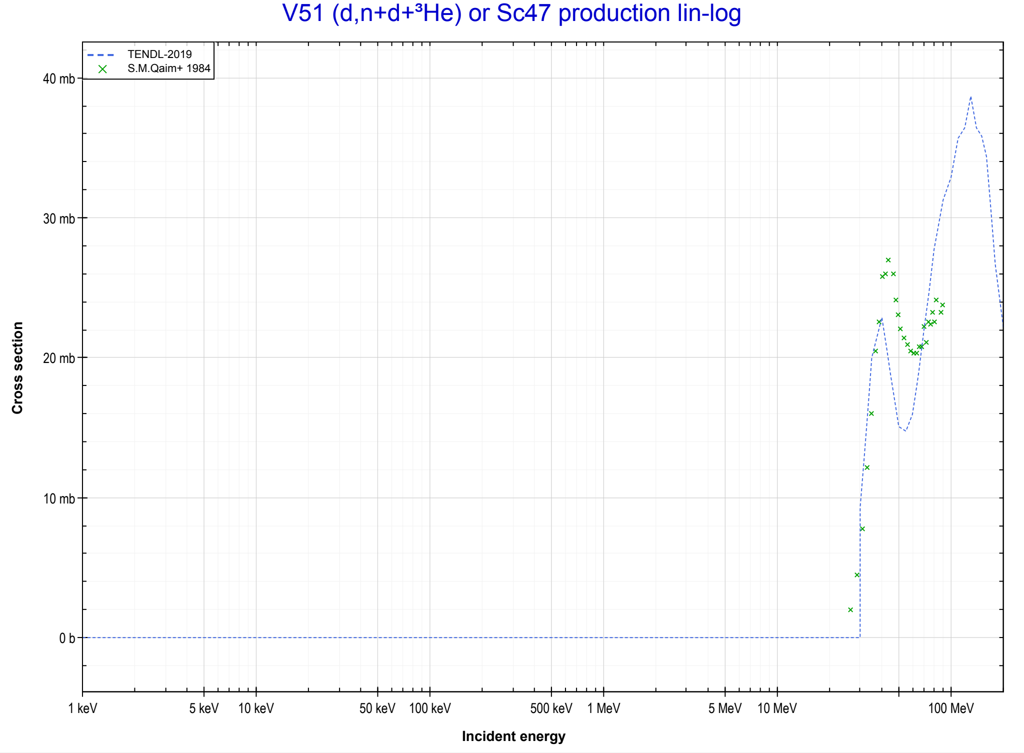




Reaction	Q-Value
V51(d,p+α)Sc48	-4277.96 keV
V51(d,d+He3)Sc48	-22631.02 keV
V51(d,2p+t)Sc48	-24091.83 keV
V51(d,n+p+He3)Sc48	-24855.58 keV
V51(d,p+2d)Sc48	-28124.49 keV
V51(d,n+2p+d)Sc48	-30349.06 keV
V51(d,2n+3p)Sc48	-32573.62 keV

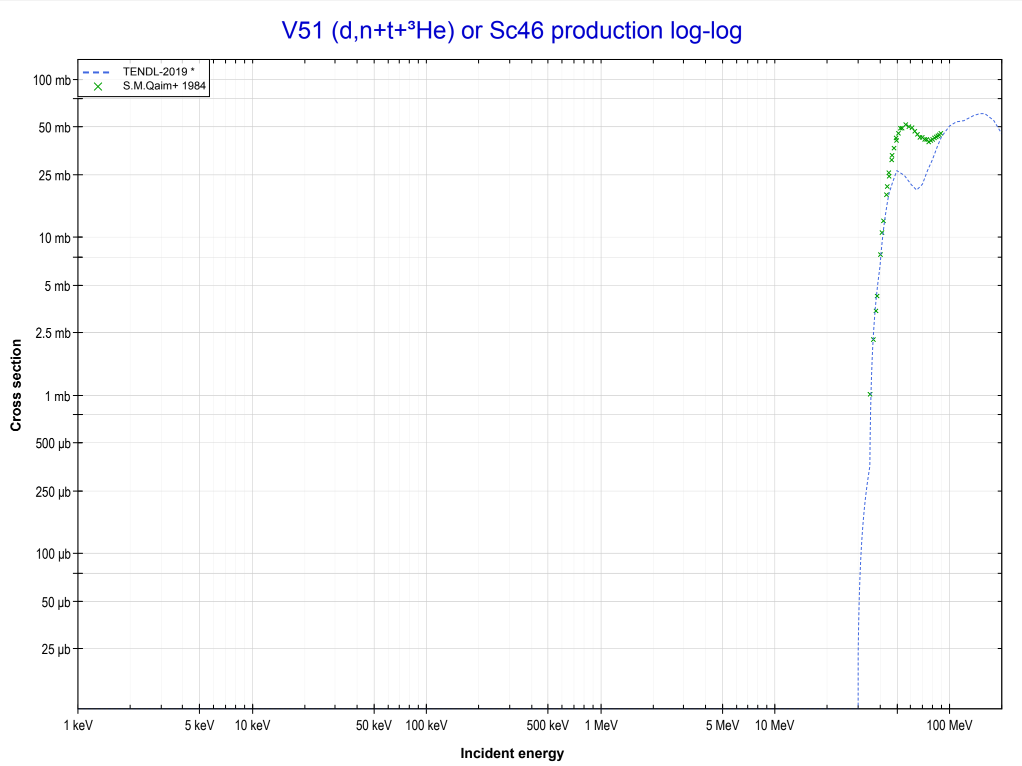
	23-V-51	
<< MT186 (d,n+p+³He)	**MT187 (d,n+d+³He) or MT5 (Sc47 production)**	MT188 (d,n+t+³He) >>

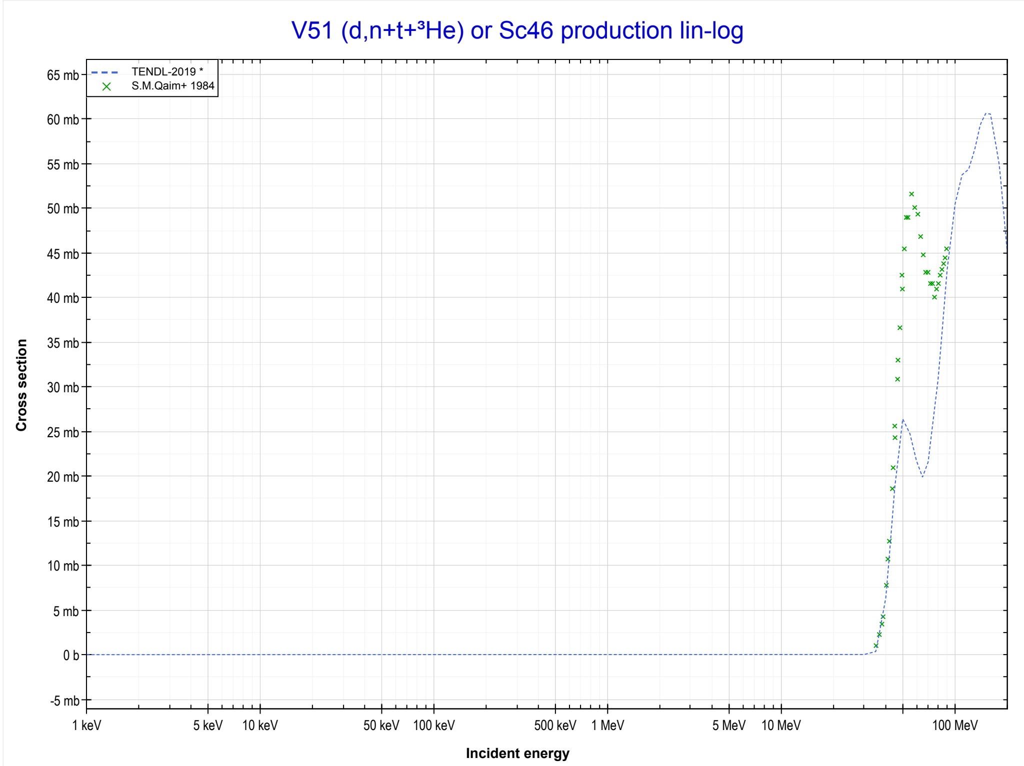




Reaction	Q-Value	Reaction	Q-Value
V51(d,d+α)Sc47	-10292.12 keV	V51(d,n+p+2d)Sc47	-36363.21 keV
V51(d,n+p+α)Sc47	-12516.68 keV	V51(d,2n+2p+d)Sc47	-38587.78 keV
V51(d,t+He3)Sc47	-24612.51 keV	V51(d,3n+3p)Sc47	-40812.34 keV
V51(d,p+d+t)Sc47	-30105.98 keV		
V51(d,n+d+He3)Sc47	-30869.73 keV		
V51(d,n+2p+t)Sc47	-32330.55 keV		
V51(d,2n+p+He3)Sc47	-33094.30 keV		
V51(d,3d)Sc47	-34138.64 keV		

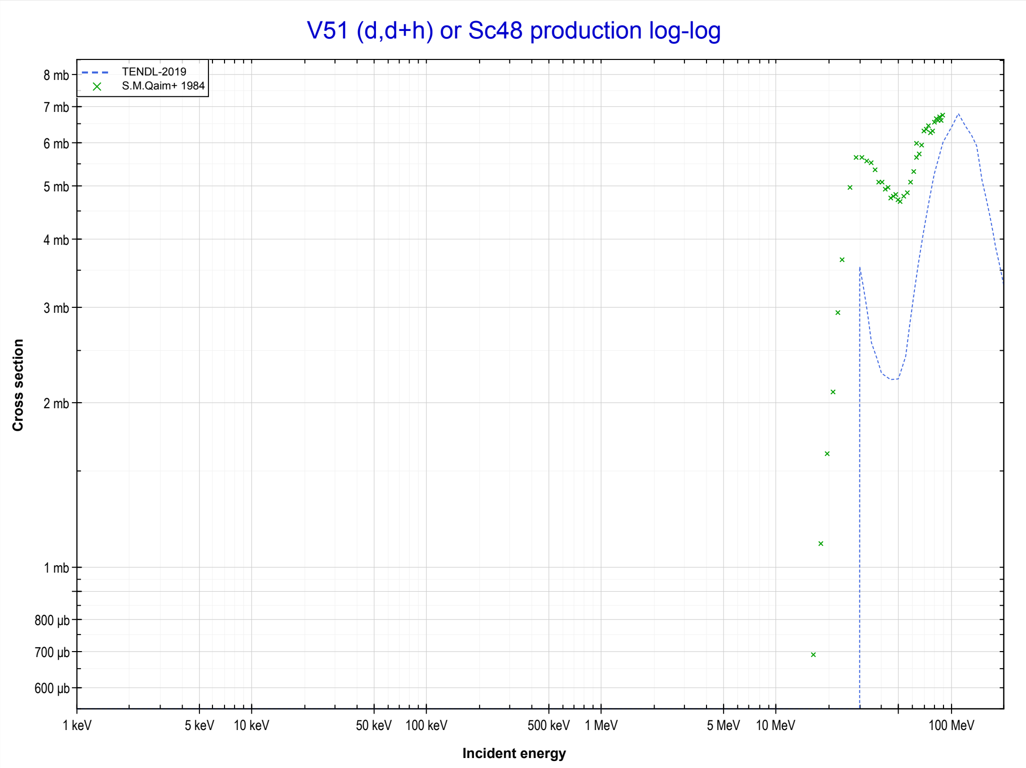
<< 13-Al-27	**23-V-51**	27-Co-59 >>
<< MT187 (d,n+d+³He)	**MT188 (d,n+t+³He) or MT5 (Sc46 production)**	MT192 (d,d+³He) >>

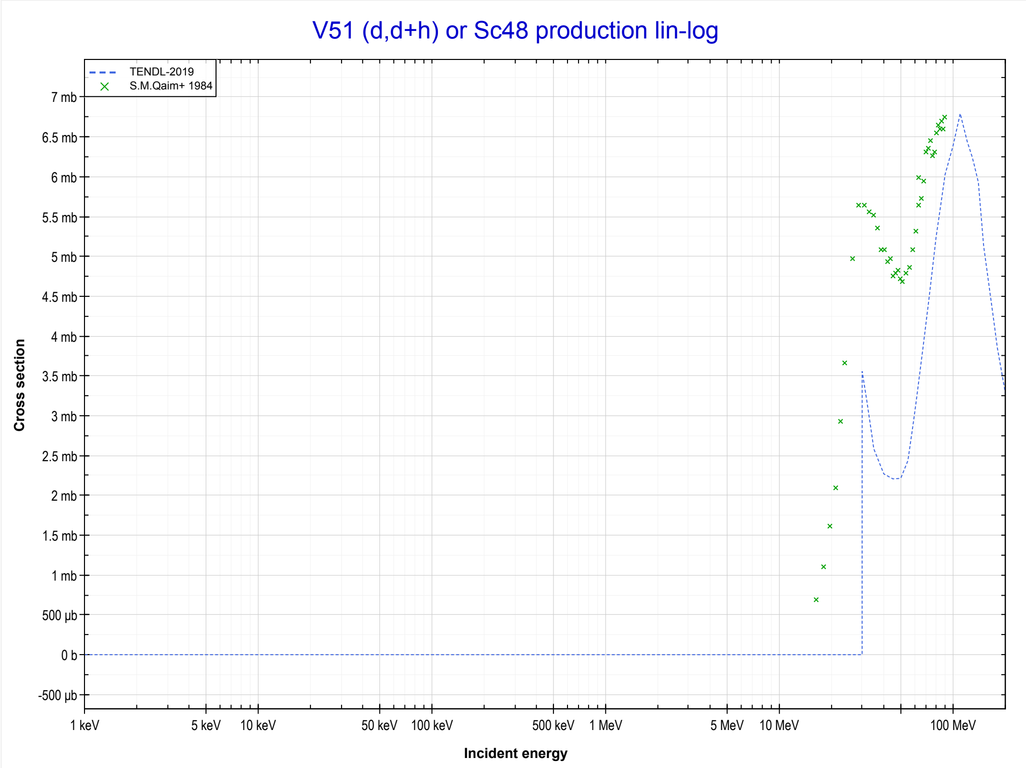




Reaction	Q-Value	Reaction	Q-Value
V51(d,t+α)Sc46	-14681.60 keV	V51(d,2n+2p+t)Sc46	-42977.26 keV
V51(d,n+d+α)Sc46	-20938.83 keV	V51(d,3n+p+He3)Sc46	-43741.02 keV
V51(d,2n+p+α)Sc46	-23163.40 keV	V51(d,n+3d)Sc46	-44785.36 keV
V51(d,p+2t)Sc46	-34495.47 keV	V51(d,2n+p+2d)Sc46	-47009.93 keV
V51(d,n+t+He3)Sc46	-35259.22 keV	V51(d,3n+2p+d)Sc46	-49234.49 keV
V51(d,2d+t)Sc46	-38528.13 keV	V51(d,4n+3p)Sc46	-51459.06 keV
V51(d,n+p+d+t)Sc46	-40752.70 keV		
V51(d,2n+d+He3)Sc46	-41516.45 keV		

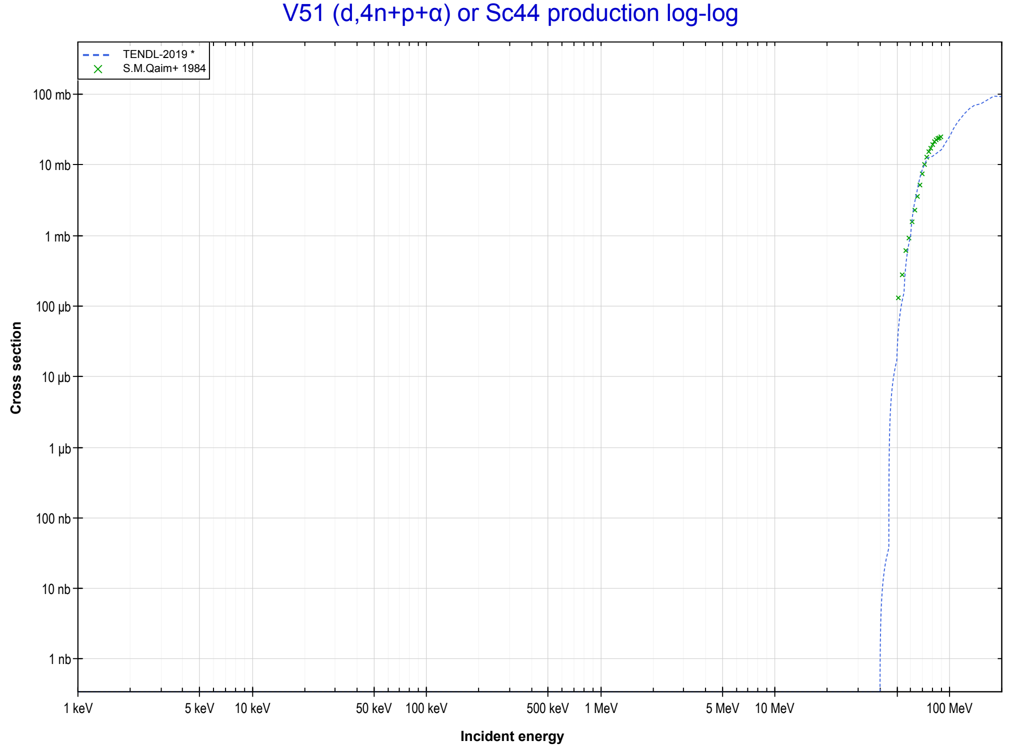
<< 13-Al-27	**23-V-51**	27-Co-59 >>
<< MT188 (d,n+t+³He)	**MT192 (d,d+³He) or MT5 (Sc48 production)**	MT196 (d,4n+p+α) >>

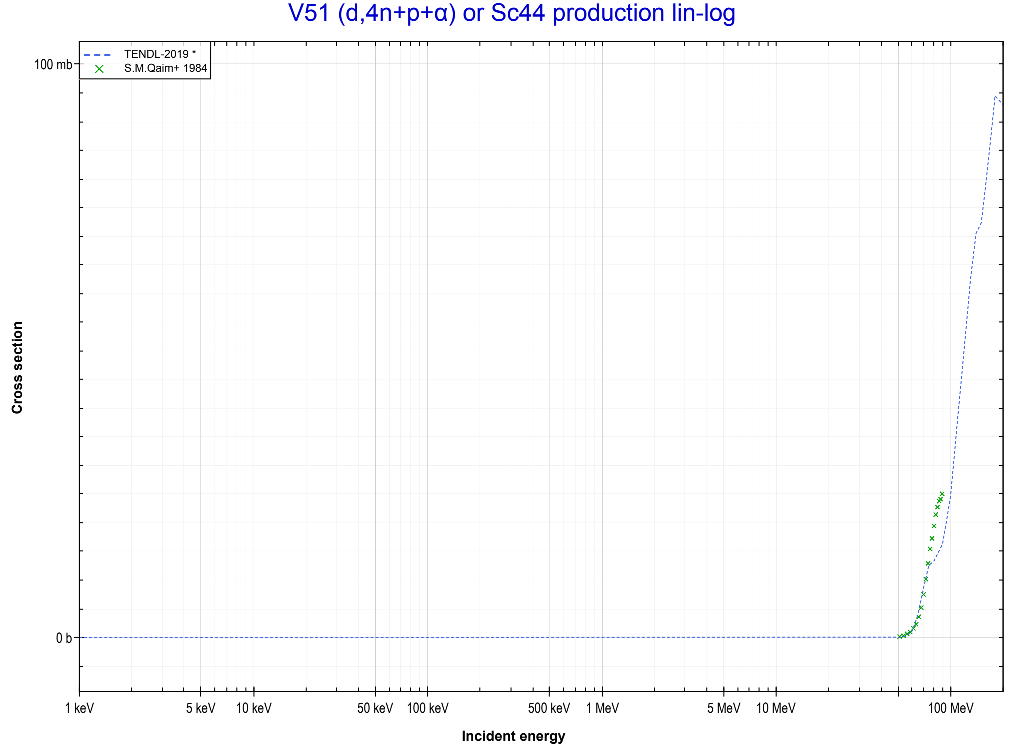




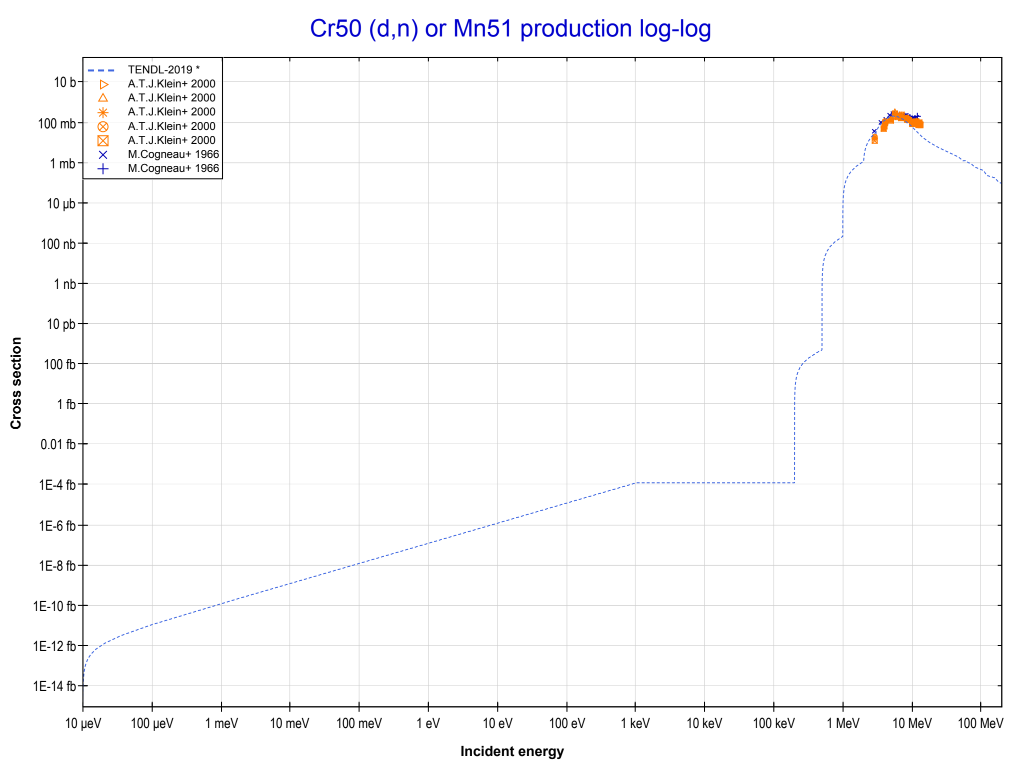
Reaction	Q-Value
V51(d,p+α)Sc48	-4277.96 keV
V51(d,d+He3)Sc48	-22631.02 keV
V51(d,2p+t)Sc48	-24091.83 keV
V51(d,n+p+He3)Sc48	-24855.58 keV
V51(d,p+2d)Sc48	-28124.49 keV
V51(d,n+2p+d)Sc48	-30349.06 keV
V51(d,2n+3p)Sc48	-32573.62 keV

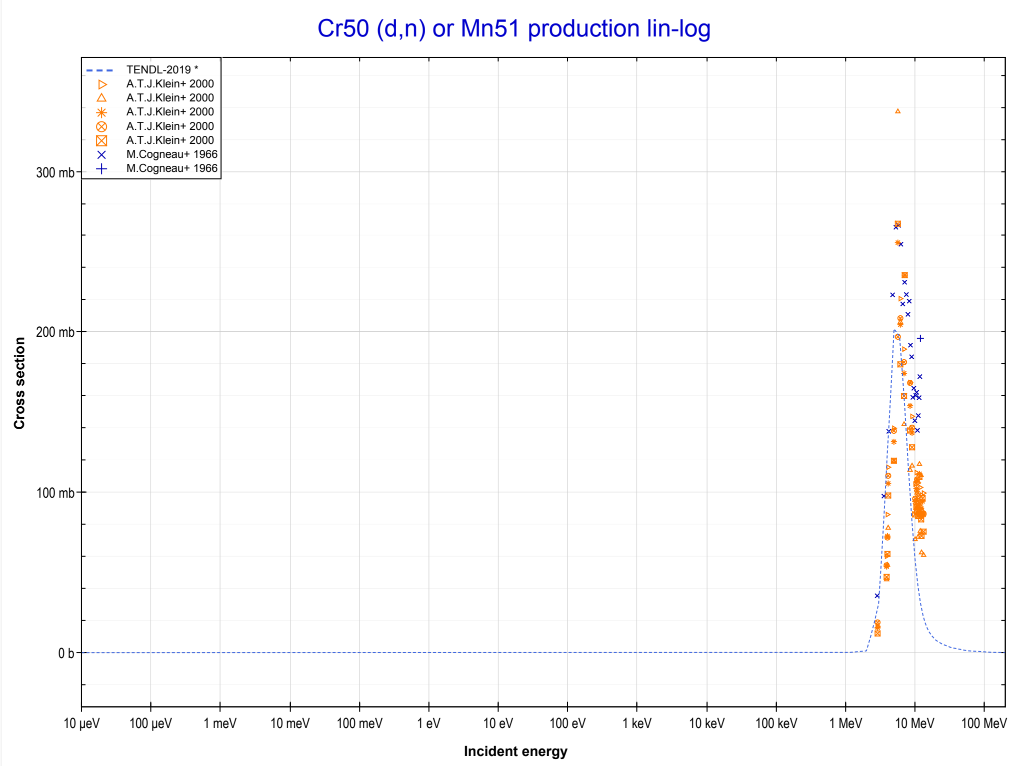
	23-V-51	
<< MT192 (d,d+³He)	**MT196 (d,4n+p+α) or MT5 (Sc44 production)**	24-Cr-50 MT4 (d,n) >>



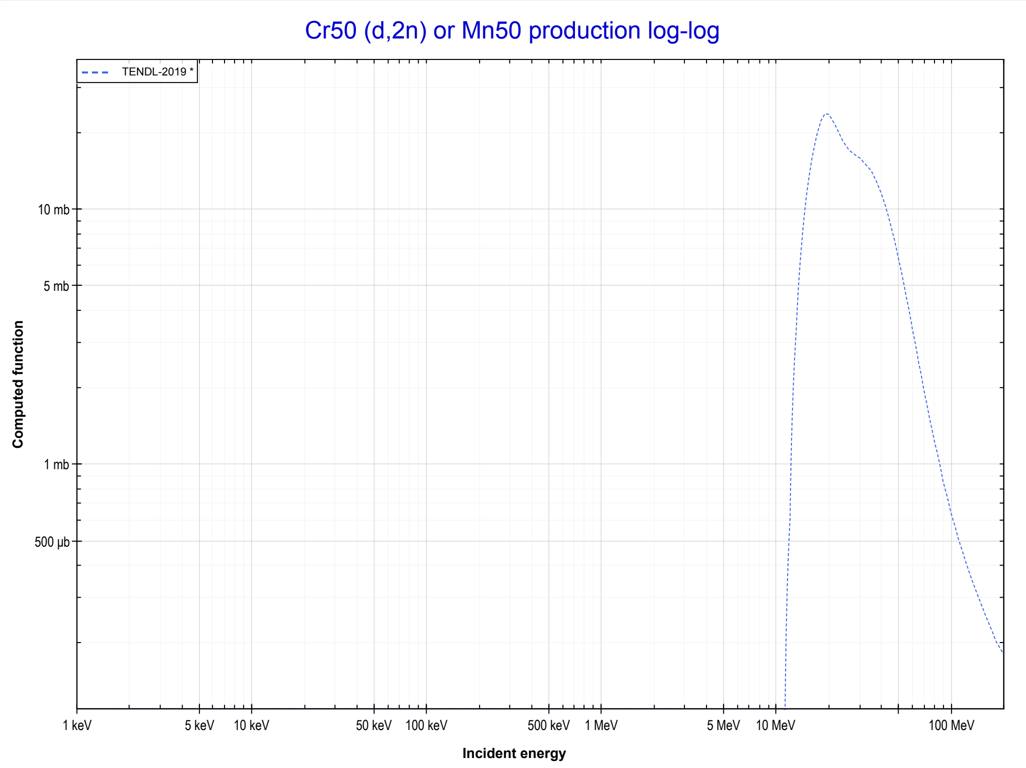


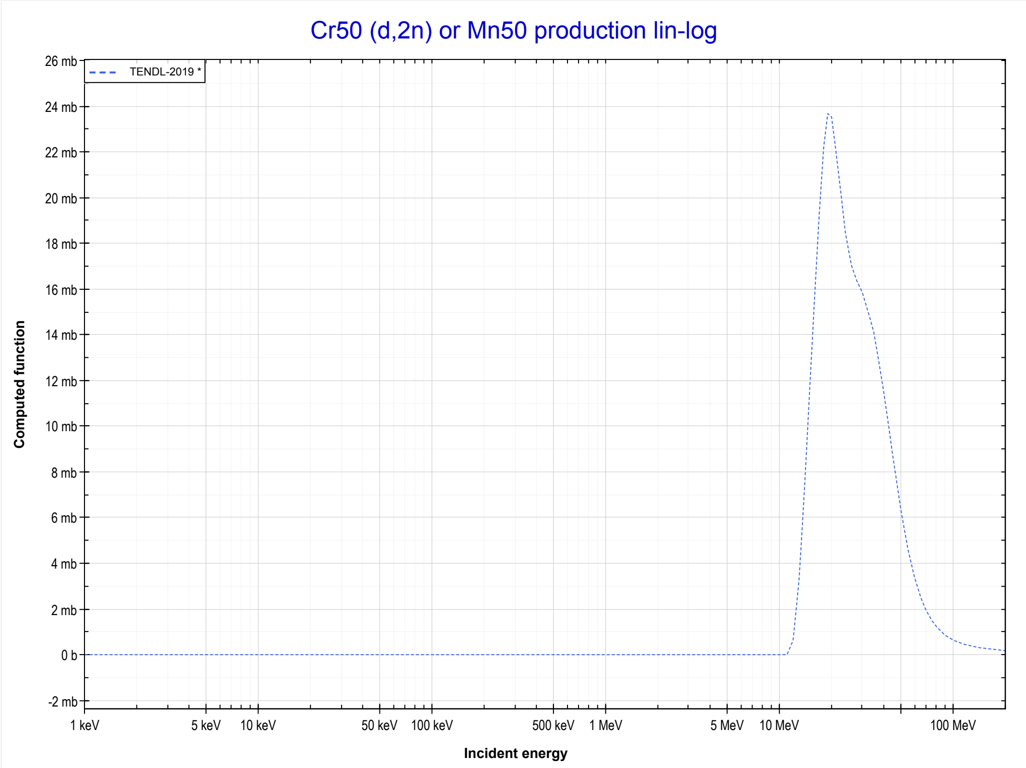
Reaction	Q-Value	Reaction	Q-Value
V51(d,2n+t+α)Sc44	-34769.44 keV	V51(d,3n+p+d+t)Sc44	-60840.53 keV
V51(d,3n+d+α)Sc44	-41026.67 keV	V51(d,4n+d+He3)Sc44	-61604.29 keV
V51(d,4n+p+α)Sc44	-43251.23 keV	V51(d,4n+2p+t)Sc44	-63065.10 keV
V51(d,3t)Sc44	-46101.51 keV	V51(d,5n+p+He3)Sc44	-63828.85 keV
V51(d,n+d+2t)Sc44	-52358.74 keV	V51(d,3n+3d)Sc44	-64873.19 keV
V51(d,2n+p+2t)Sc44	-54583.30 keV	V51(d,4n+p+2d)Sc44	-67097.76 keV
V51(d,3n+t+He3)Sc44	-55347.06 keV	V51(d,5n+2p+d)Sc44	-69322.33 keV
V51(d,2n+2d+t)Sc44	-58615.97 keV	V51(d,6n+3p)Sc44	-71546.89 keV





Reaction	Q-Value
Cr50(d,n)Mn51	3046.20 keV

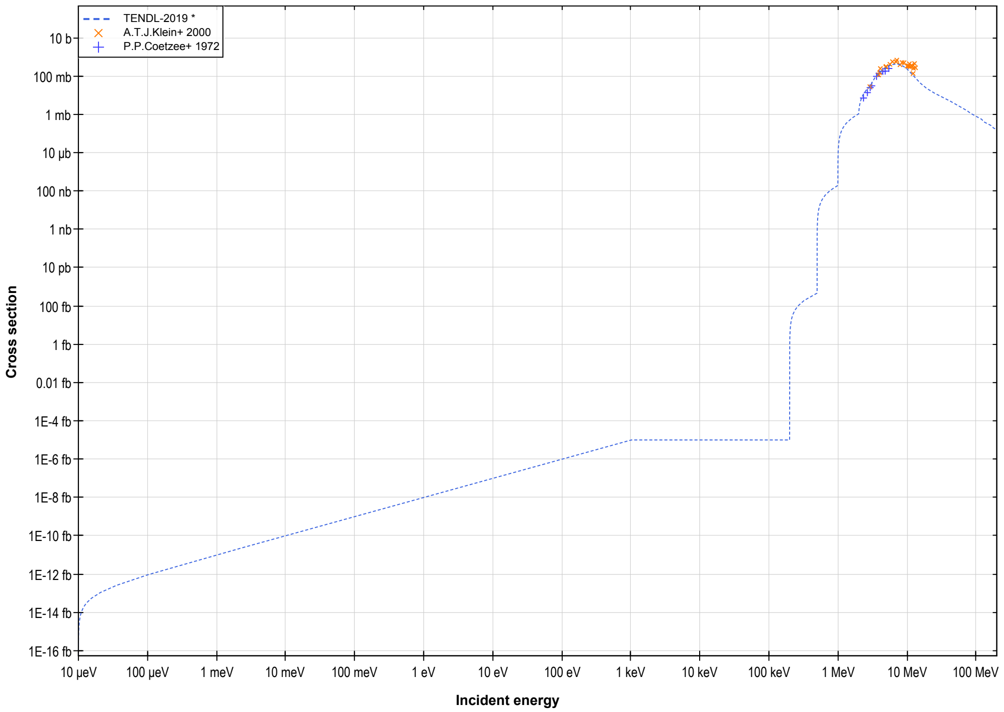




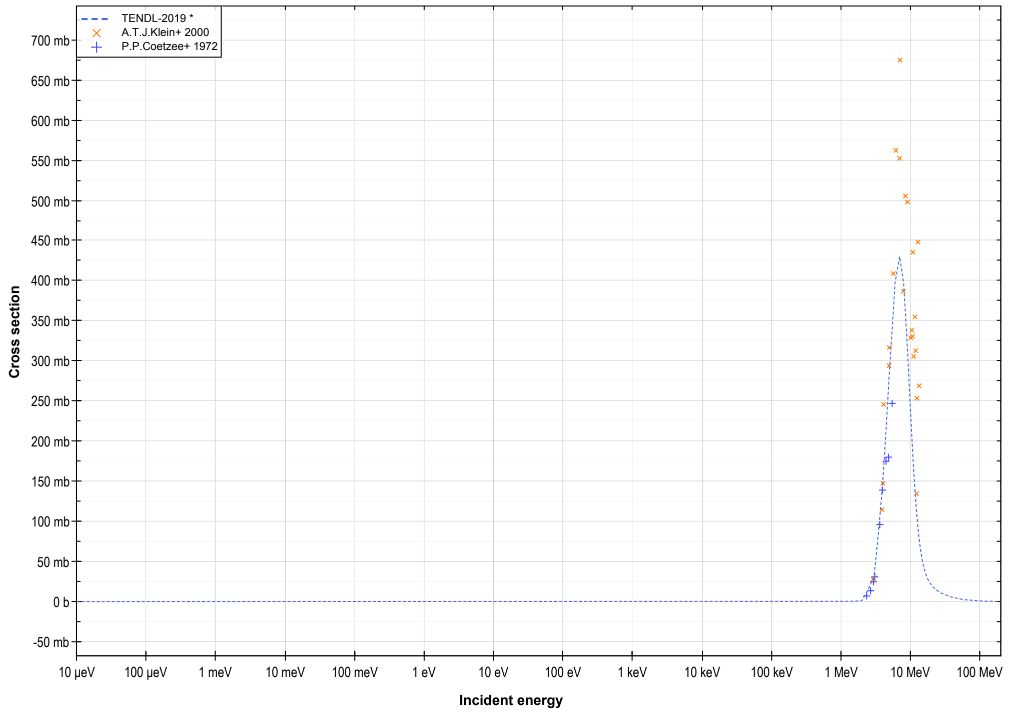
Reaction	Q-Value
Cr50(d,2n)Mn50	-10641.41 keV

<< 21-Sc-45	**24-Cr-50**	24-Cr-54 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Cr51 production)**	MT105 (d,t) >>

Cr50 (d,p) or Cr51 production log-log

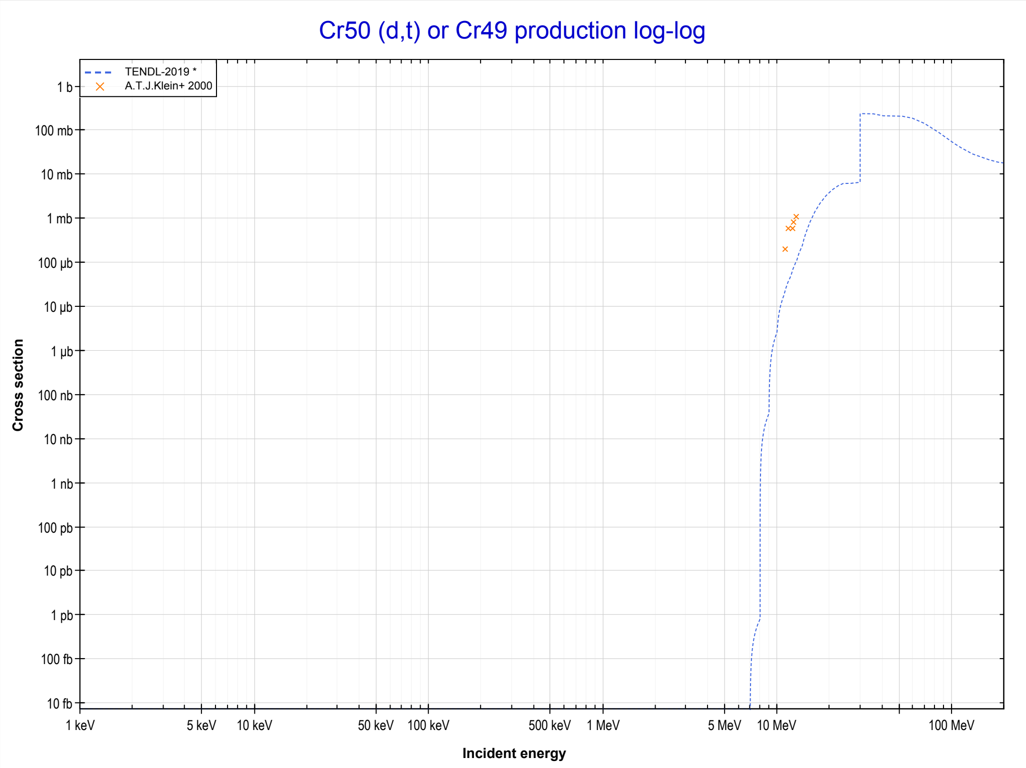


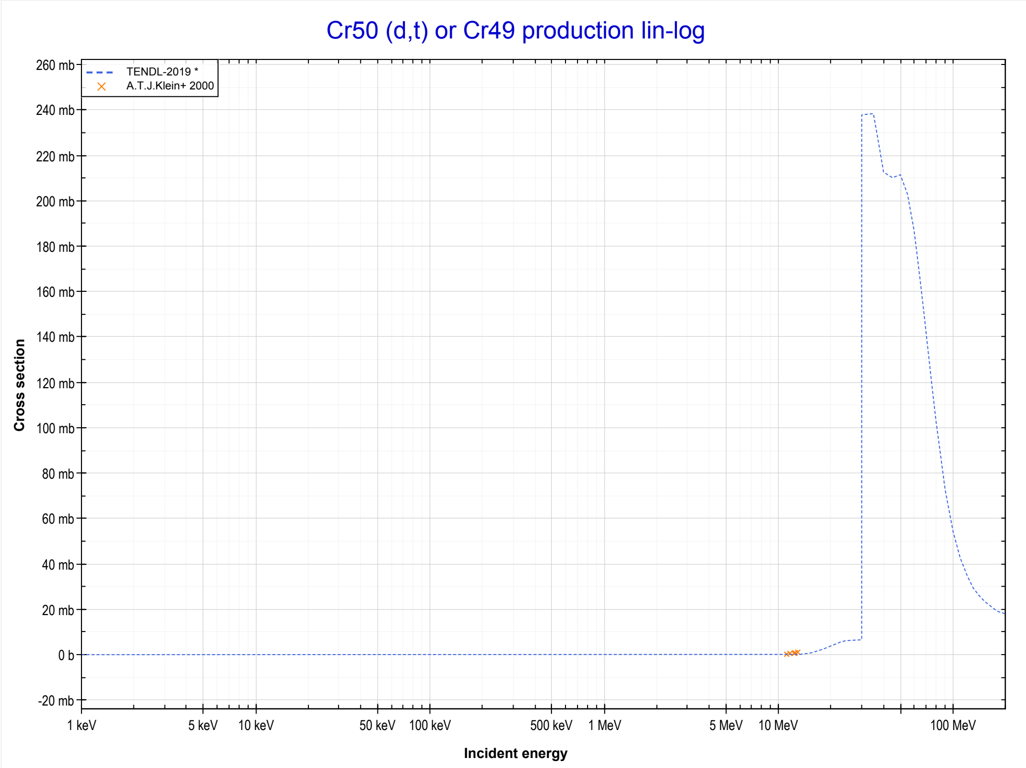
Cr50 (d,p) or Cr51 production lin-log



Reaction	Q-Value
Cr50(d,p)Cr51	7036.05 keV

<< 21-Sc-45	**24-Cr-50**	25-Mn-55 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Cr49 production)**	MT107 (d,α) >>

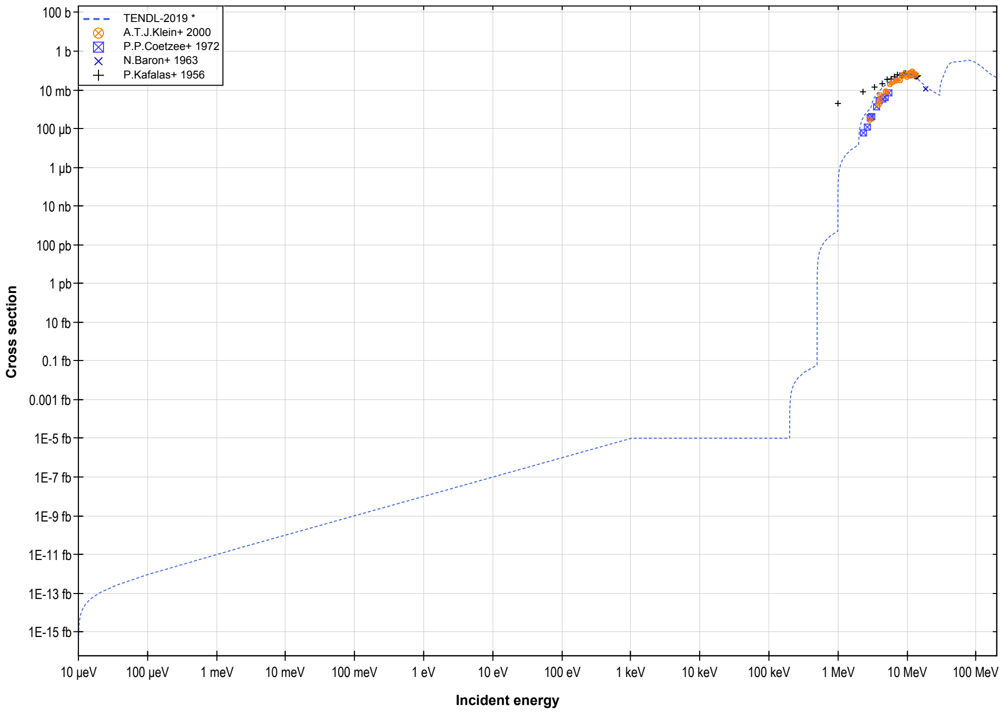




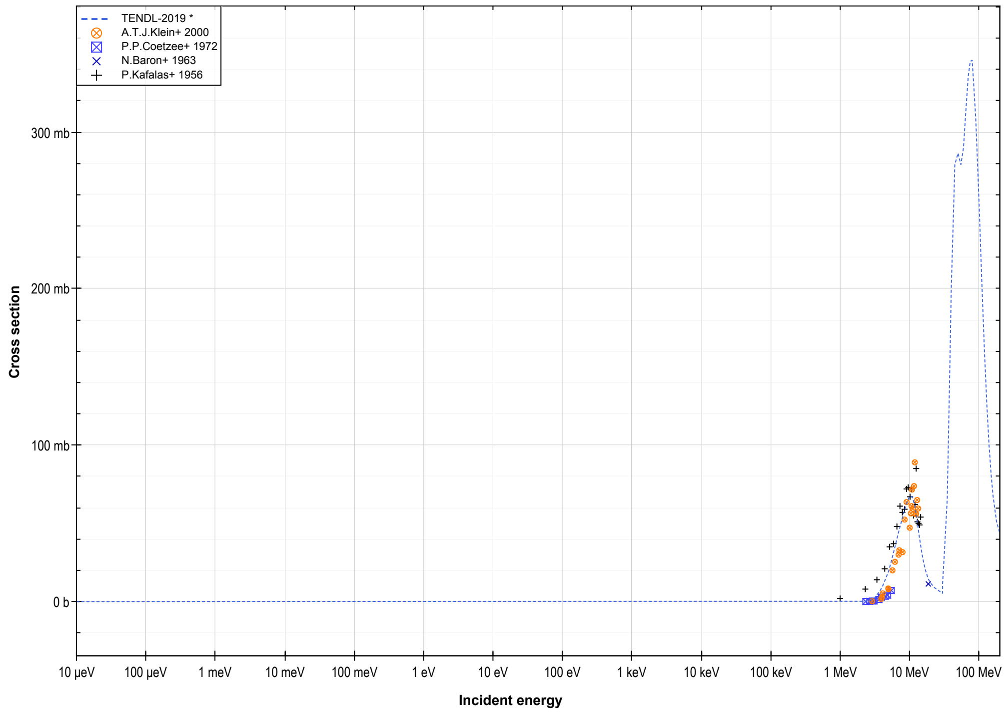
Reaction	Q-Value
Cr50(d,t)Cr49	-6743.09 keV
Cr50(d,n+d)Cr49	-13000.32 keV
Cr50(d,2n+p)Cr49	-15224.88 keV

<< 22-Ti-48	**24-Cr-50**	26-Fe-54 >>
<< MT105 (d,t)	**MT107 (d,α) or MT5 (V48 production)**	24-Cr-52 MT4 (d,n) >>

Cr50 (d,α) or V48 production log-log



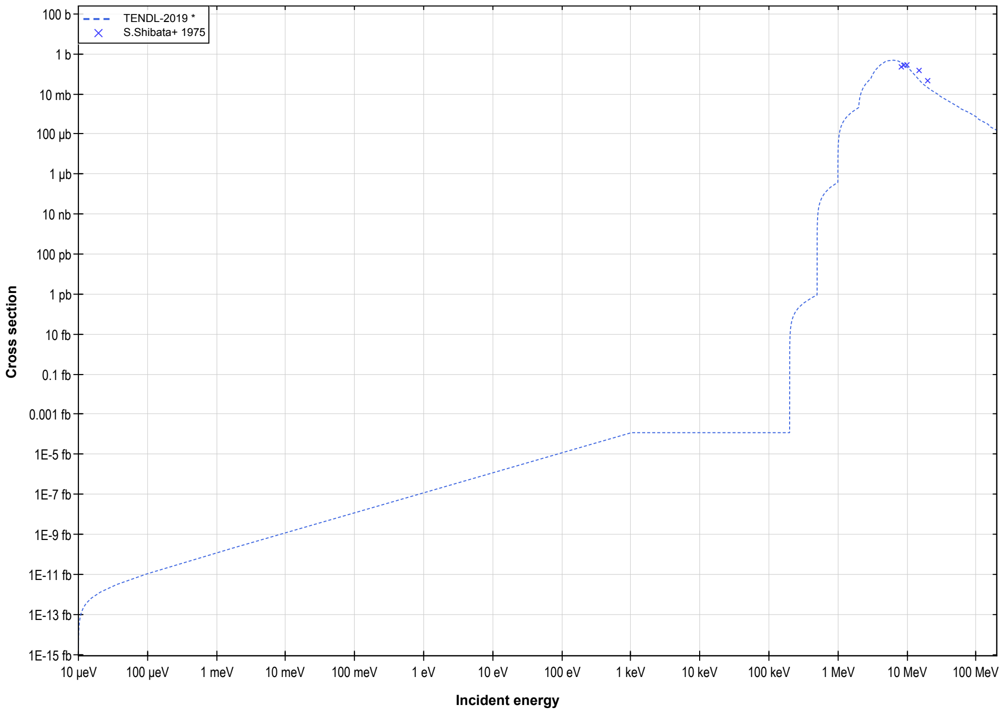
Cr50 (d,α) or V48 production lin-log



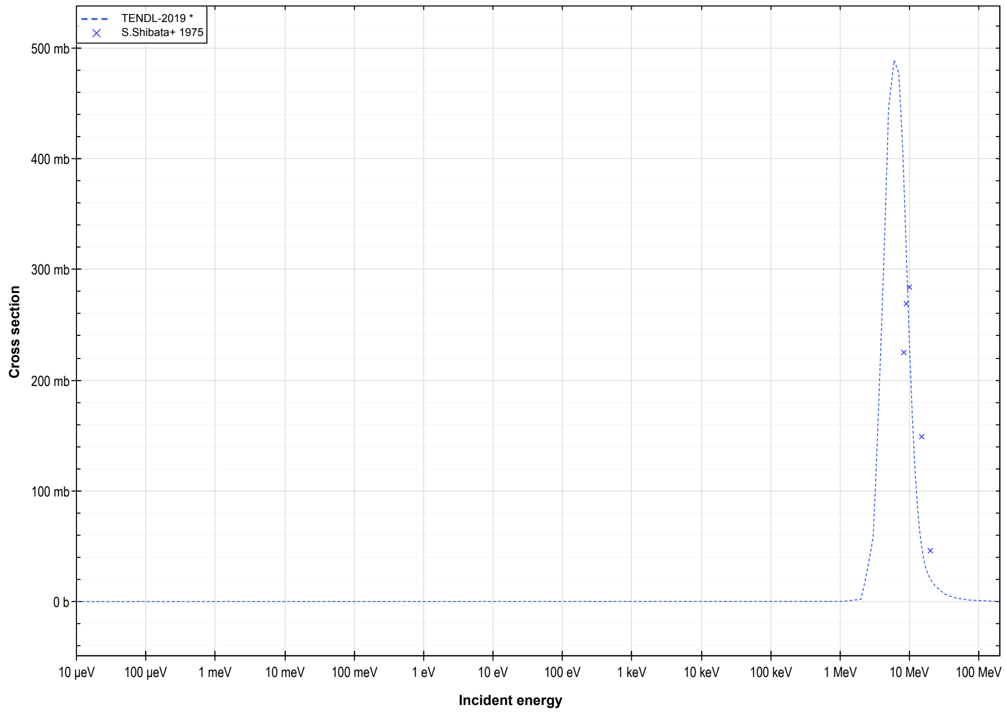
Reaction	Q-Value
Cr50(d,α)V48	4926.41 keV
Cr50(d,p+t)V48	-14887.46 keV
Cr50(d,n+He3)V48	-15651.21 keV
Cr50(d,2d)V48	-18920.12 keV
Cr50(d,n+p+d)V48	-21144.69 keV
Cr50(d,2n+2p)V48	-23369.25 keV

<< 24-Cr-50	**24-Cr-52**	24-Cr-53 >>
<< 24-Cr-50 MT107 (d,α)	**MT4 (d,n) or MT5 (Mn53 production)**	MT16 (d,2n) >>

Cr52 (d,n) or Mn53 production log-log

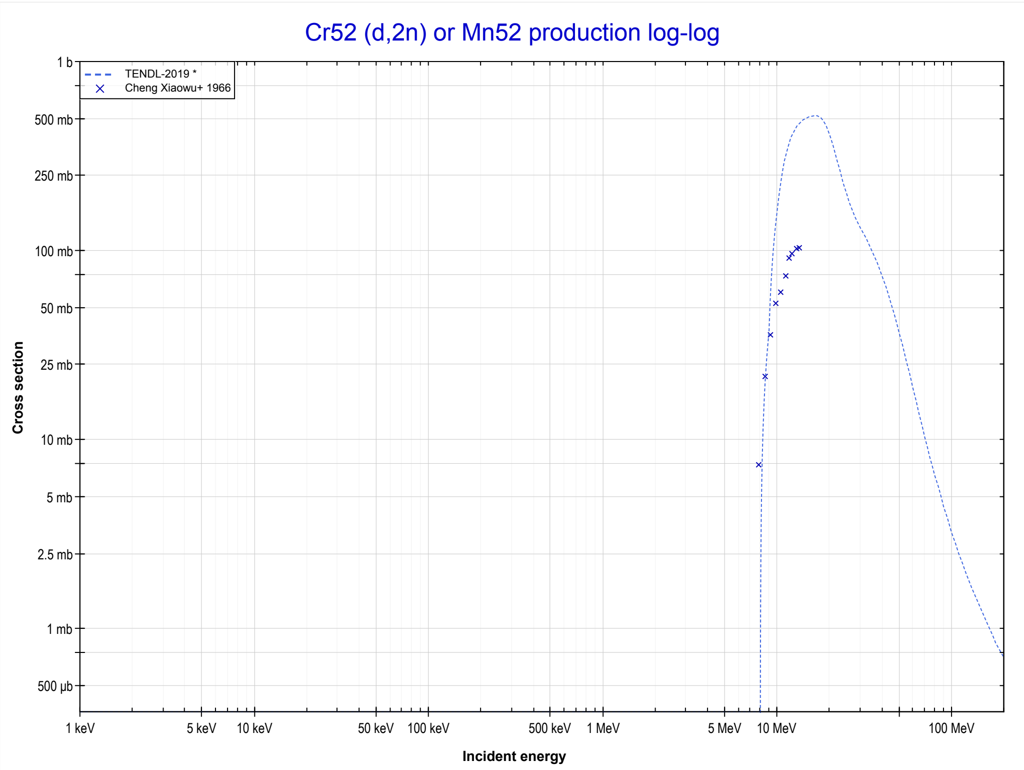


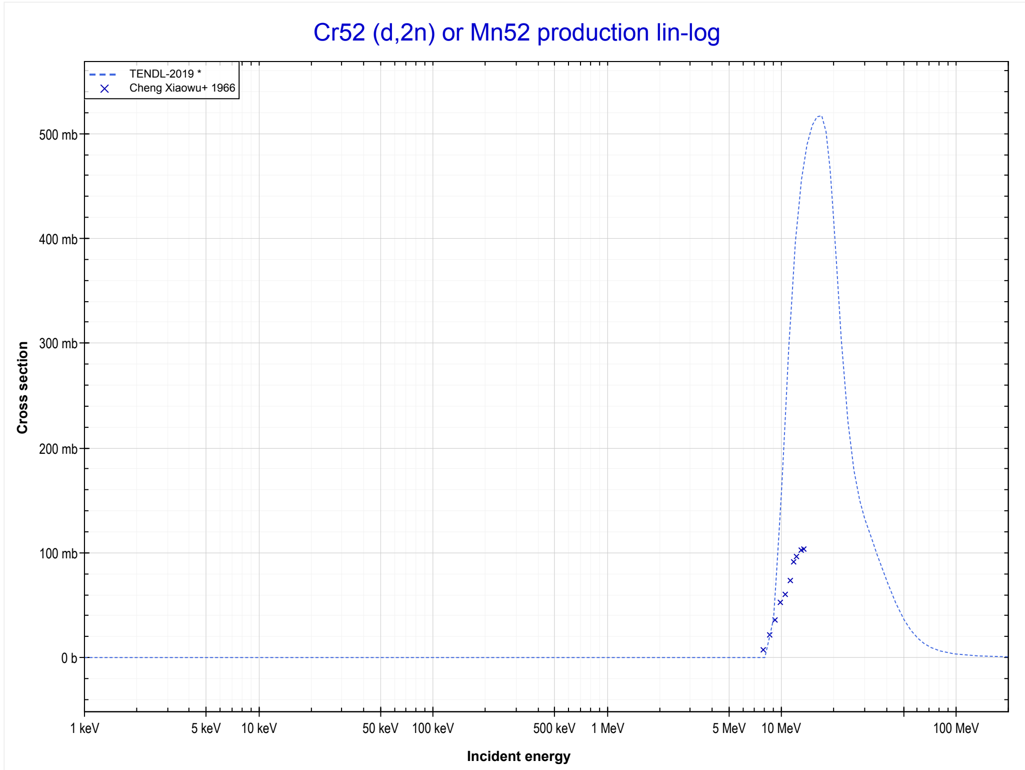
Cr52 (d,n) or Mn53 production lin-log



Reaction	Q-Value
Cr52(d,n)Mn53	4335.30 keV

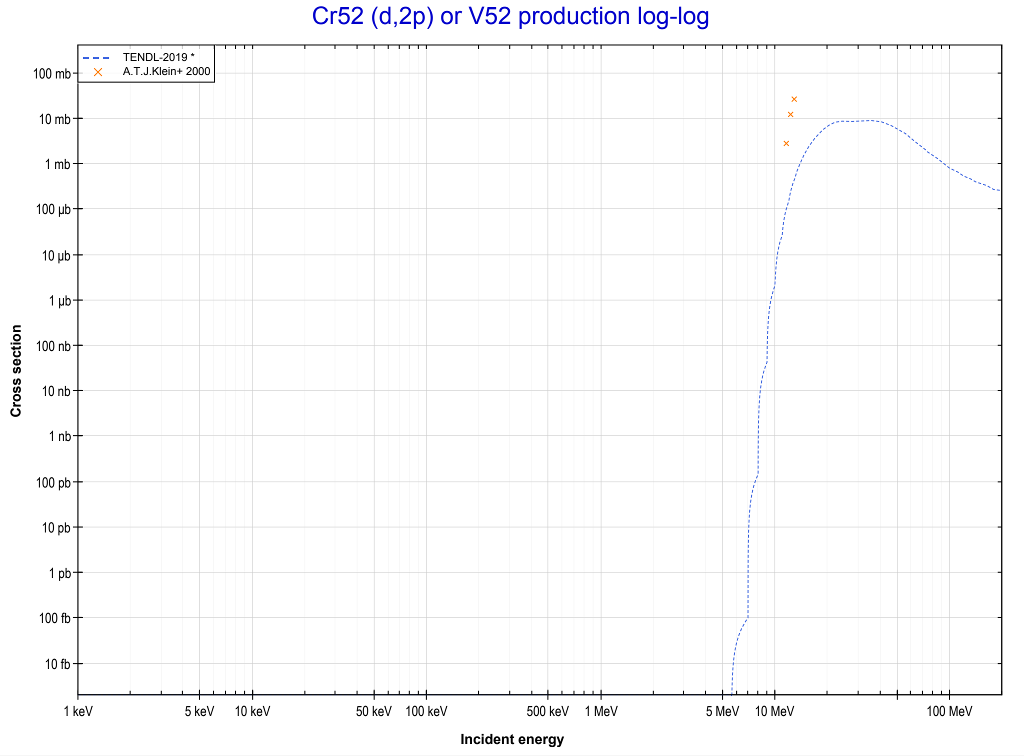
<< 24-Cr-50	**24-Cr-52**	26-Fe-56 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Mn52 production)**	MT111 (d,2p) >>

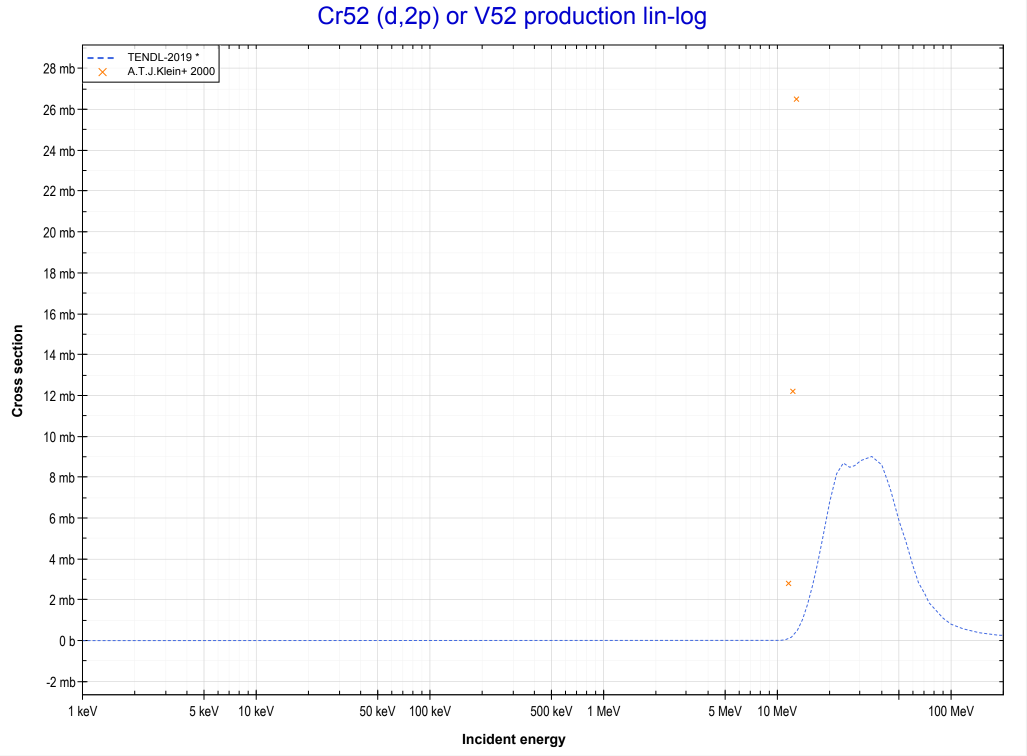




Reaction	Q-Value
Cr52(d,2n)Mn52	-7718.81 keV

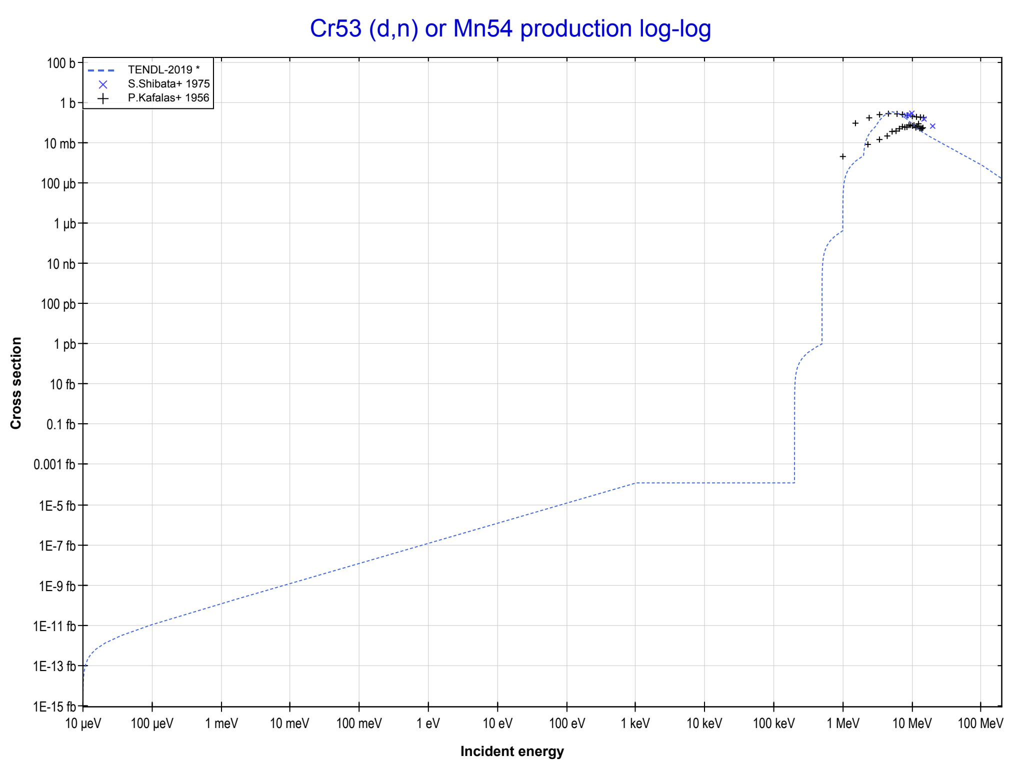
<< 22-Ti-47	**24-Cr-52**	26-Fe-56 >>
<< MT16 (d,2n)	**MT111 (d,2p) or MT5 (V52 production)**	24-Cr-53 MT4 (d,n) >>

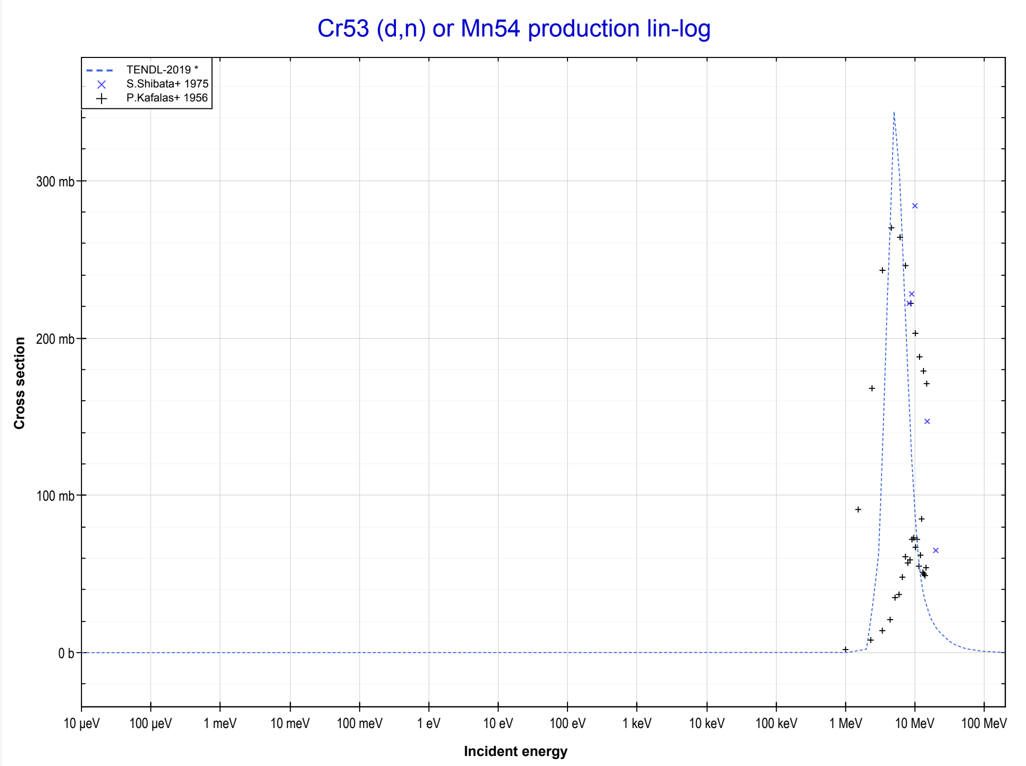




Reaction	Q-Value
Cr52(d,2p)V52	-5417.62 keV

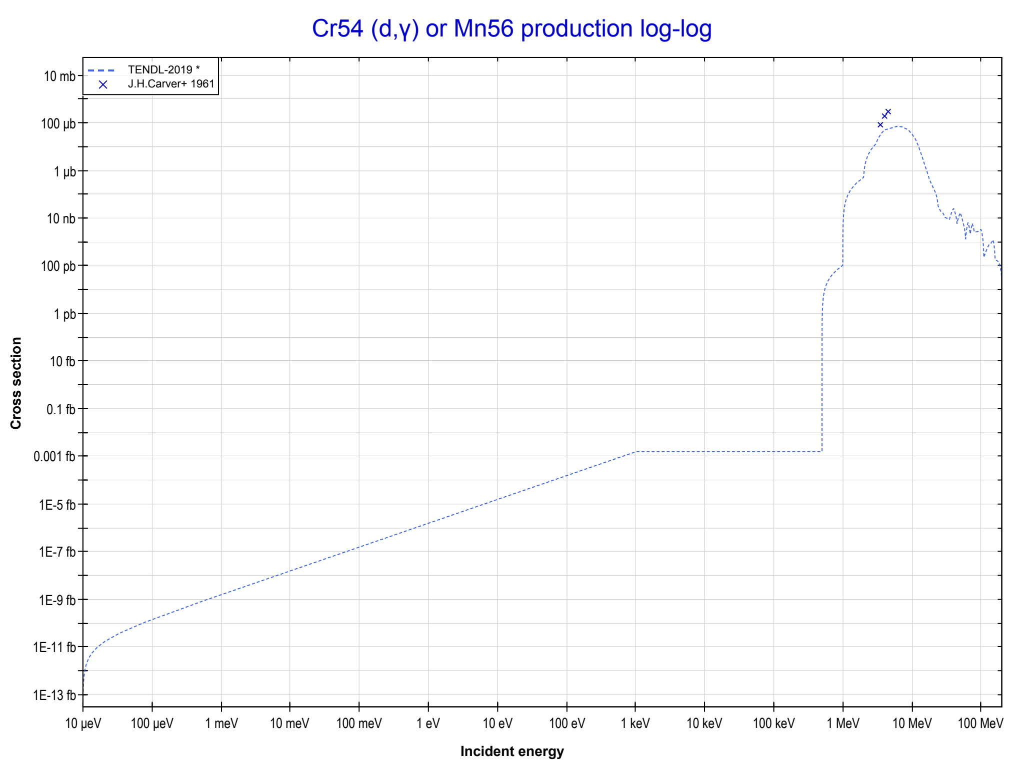
<< 24-Cr-52	**24-Cr-53**	26-Fe-54 >>
<< 24-Cr-52 MT111 (d,2p)	**MT4 (d,n) or MT5 (Mn54 production)**	24-Cr-54 MT102 (d,γ) >>

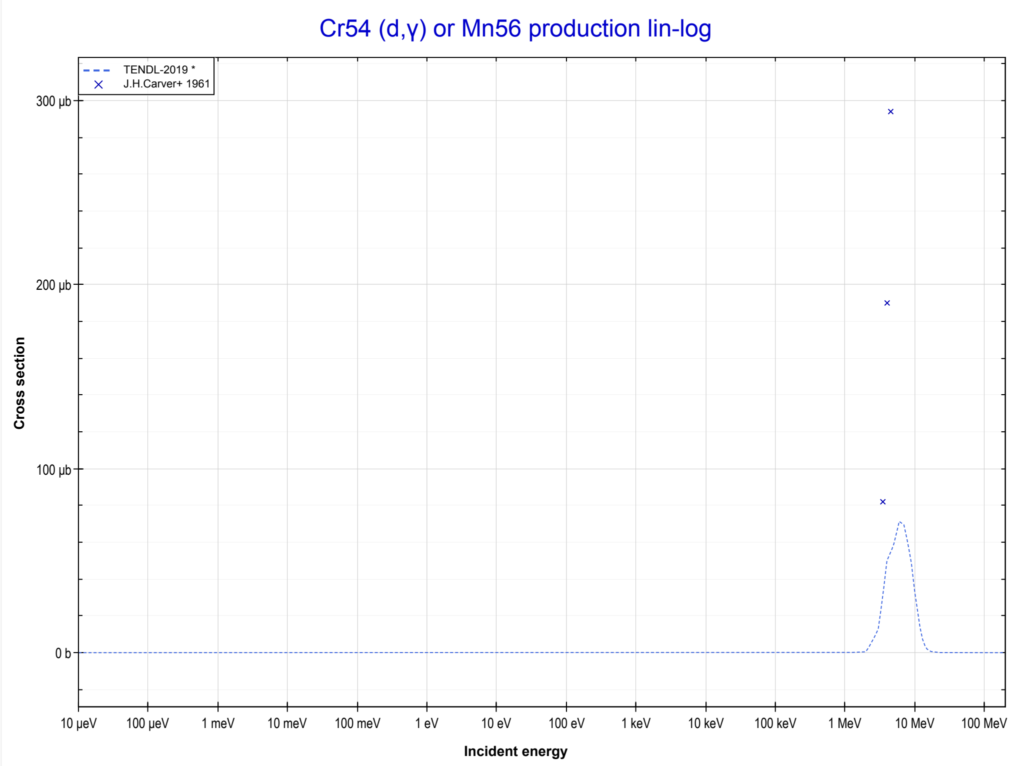




Reaction	Q-Value
Cr53(d,n)Mn54	5335.00 keV

<< 14-Si-30	**24-Cr-54**	28-Ni-58 >>
<< 24-Cr-53 MT4 (d,n)	**MT102 (d,γ) or MT5 (Mn56 production)**	MT103 (d,p) >>

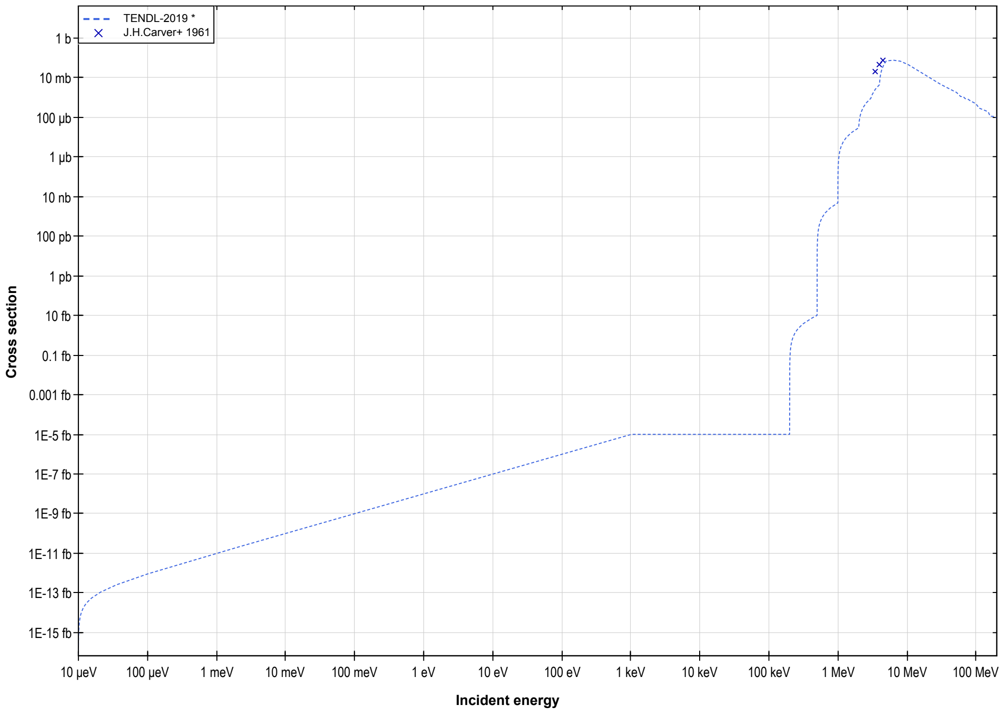




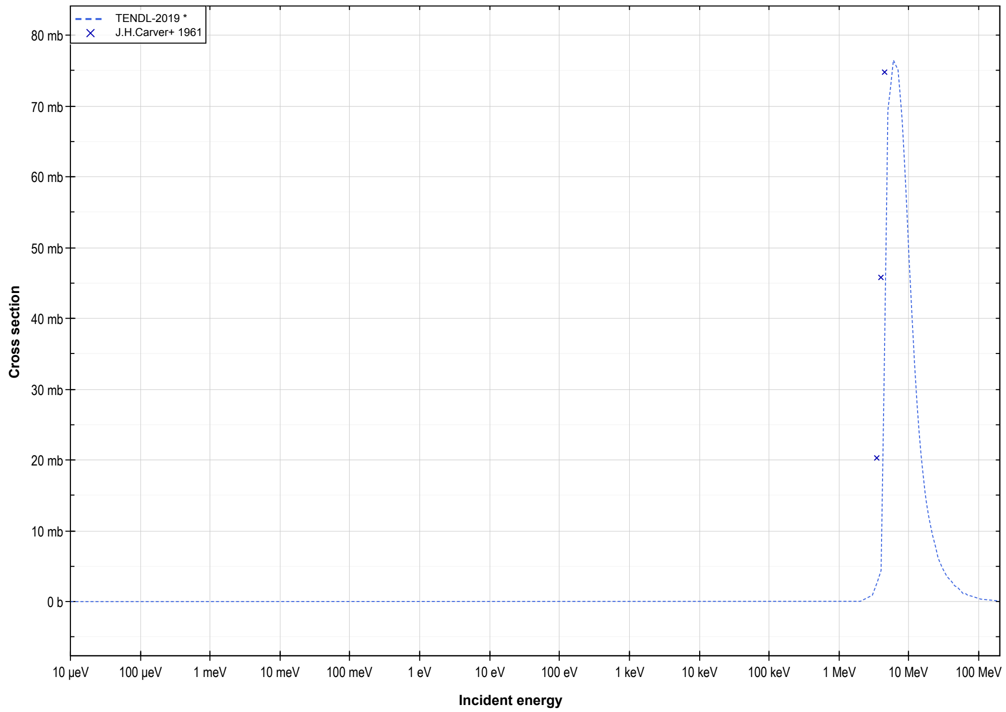
Reaction	Q-Value
Cr54(d,γ)Mn56	13112.42 keV

<< 24-Cr-50	**24-Cr-54**	25-Mn-55 >>
<< MT102 (d,γ)	**MT103 (d,p) or MT5 (Cr55 production)**	25-Mn-55 MT24 (d,2n+α) >>

Cr54 (d,p) or Cr55 production log-log



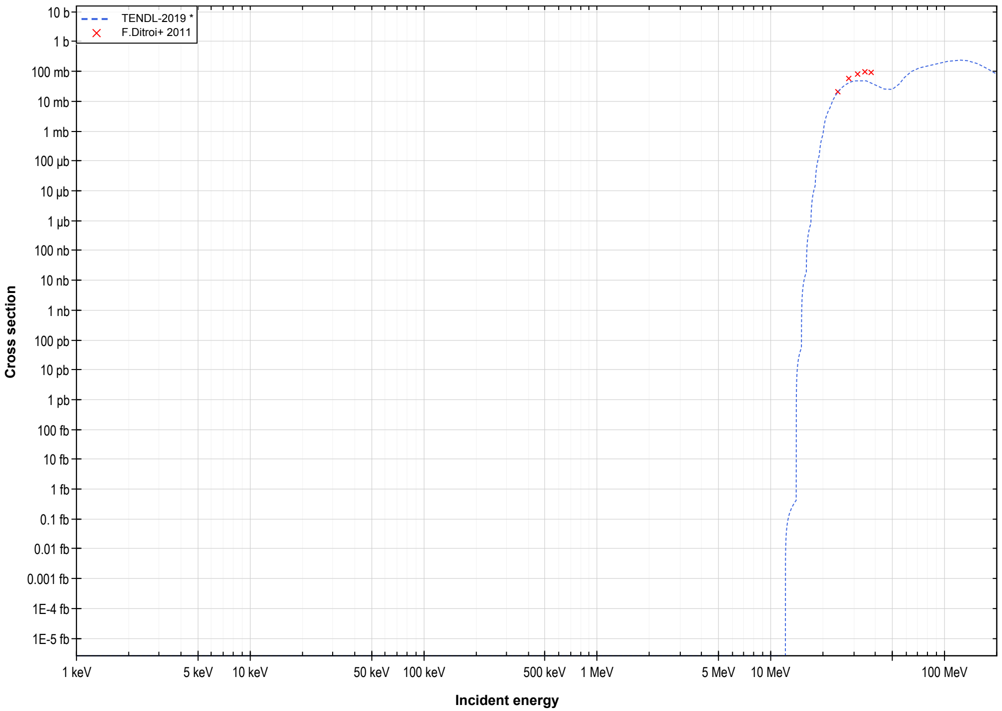
Cr54 (d,p) or Cr55 production lin-log



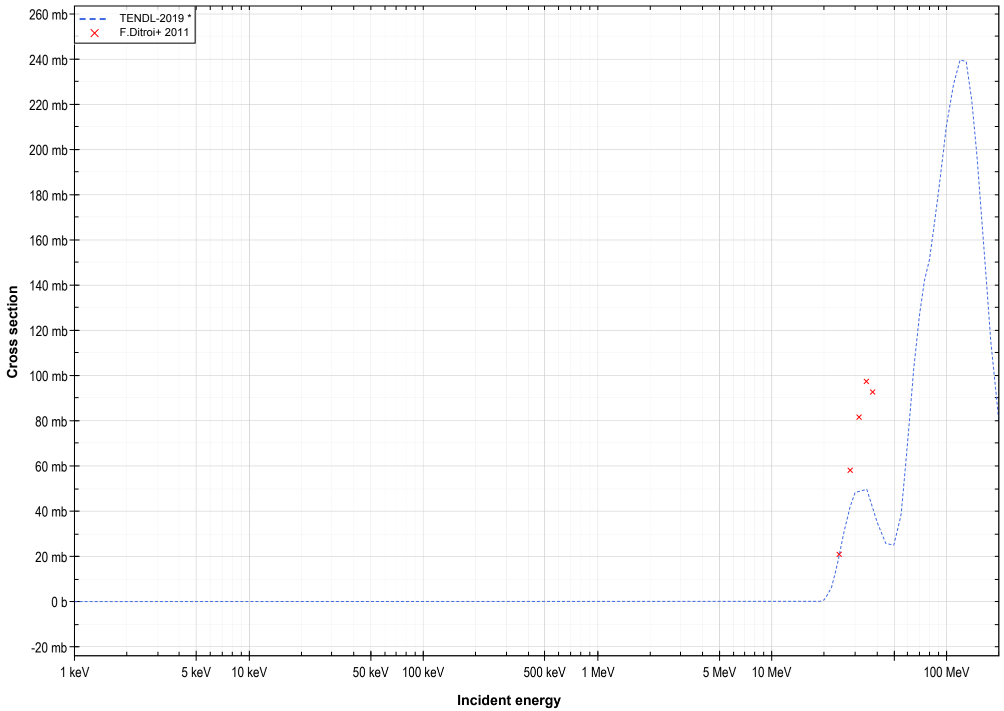
Reaction	Q-Value
Cr54(d,p)Cr55	4021.65 keV

	25-Mn-55	39-Y-89 >>
<< 24-Cr-54 MT103 (d,p)	**MT24 (d,2n+α) or MT5 (Cr51 production)**	MT32 (d,n+d) >>

Mn55 (d,2n+α) or Cr51 production log-log

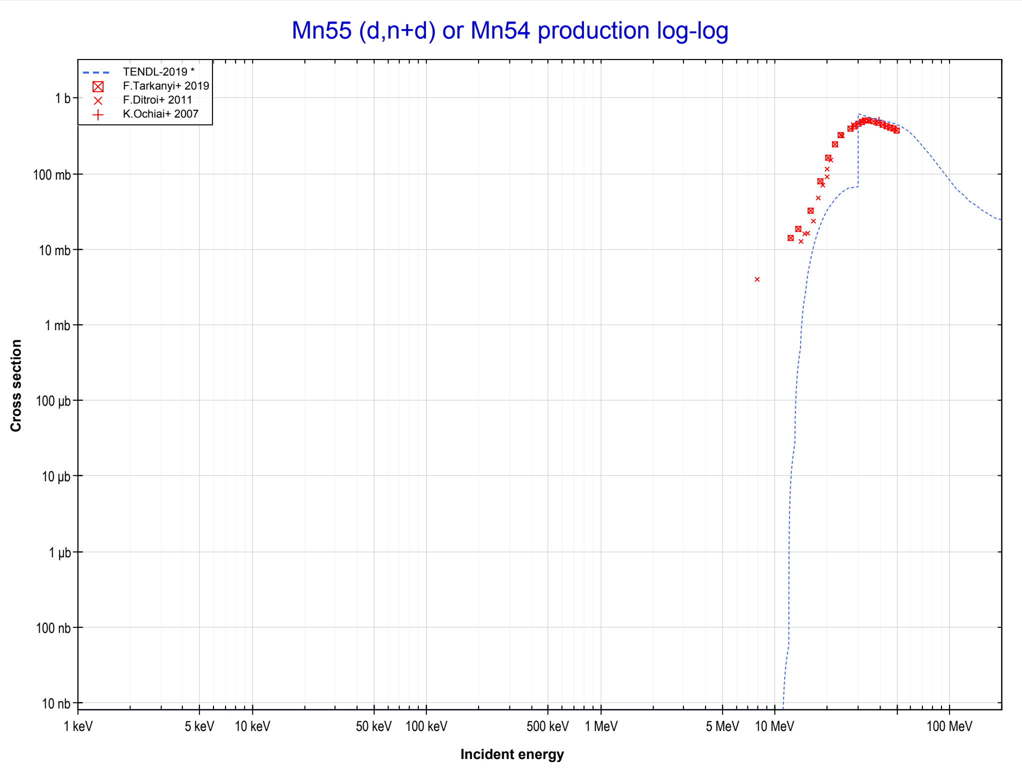


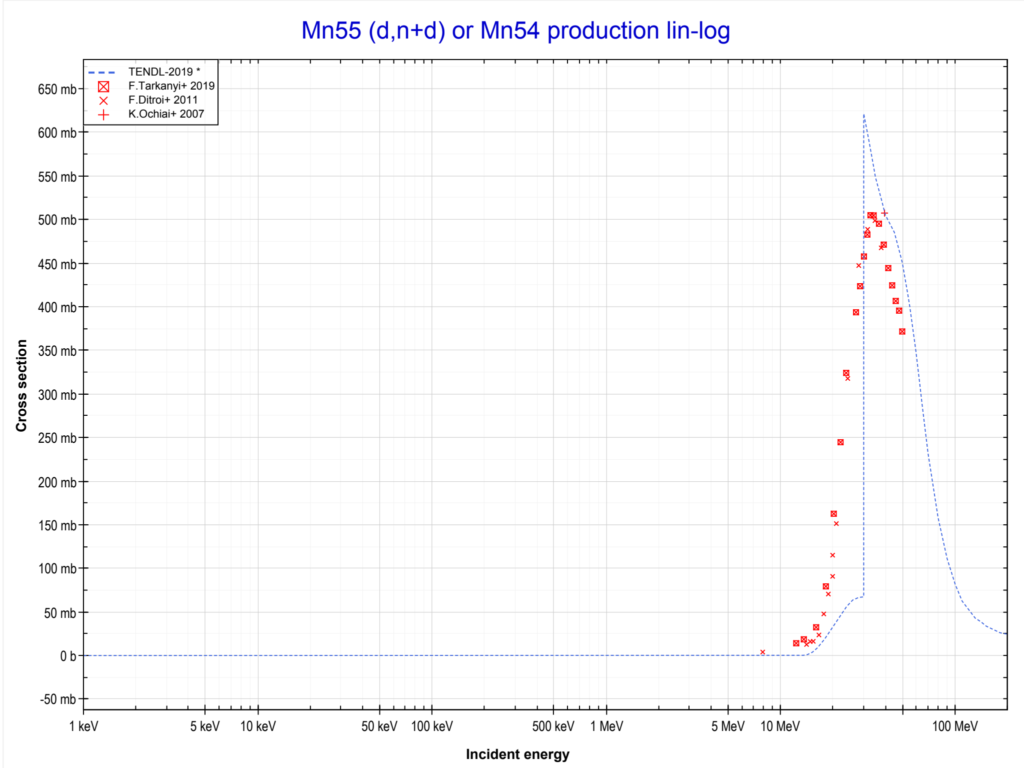
Mn55 (d,2n+α) or Cr51 production lin-log



Reaction	Q-Value
Mn55(d,2n+α)Cr51	-11692.83 keV
Mn55(d,2t)Cr51	-23024.90 keV
Mn55(d,n+d+t)Cr51	-29282.13 keV
Mn55(d,2n+p+t)Cr51	-31506.69 keV
Mn55(d,3n+He3)Cr51	-32270.45 keV
Mn55(d,2n+2d)Cr51	-35539.36 keV
Mn55(d,3n+p+d)Cr51	-37763.92 keV
Mn55(d,4n+2p)Cr51	-39988.49 keV

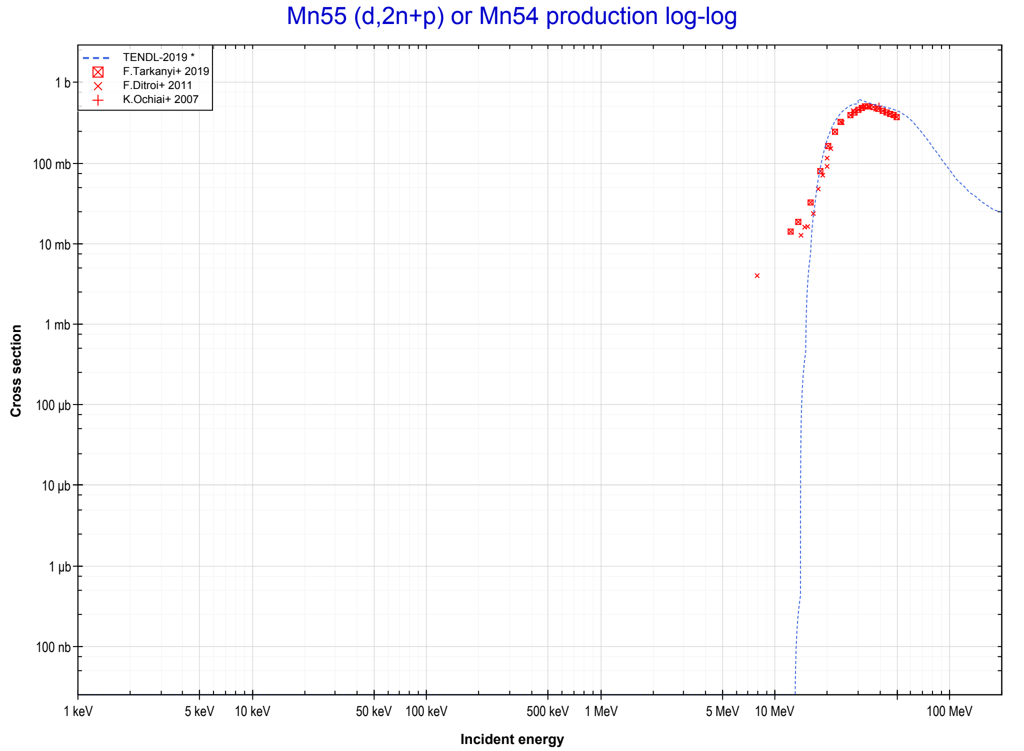
<< 21-Sc-45	**25-Mn-55**	27-Co-59 >>
<< MT24 (d,2n+α)	**MT32 (d,n+d) or MT5 (Mn54 production)**	MT41 (d,2n+p) >>

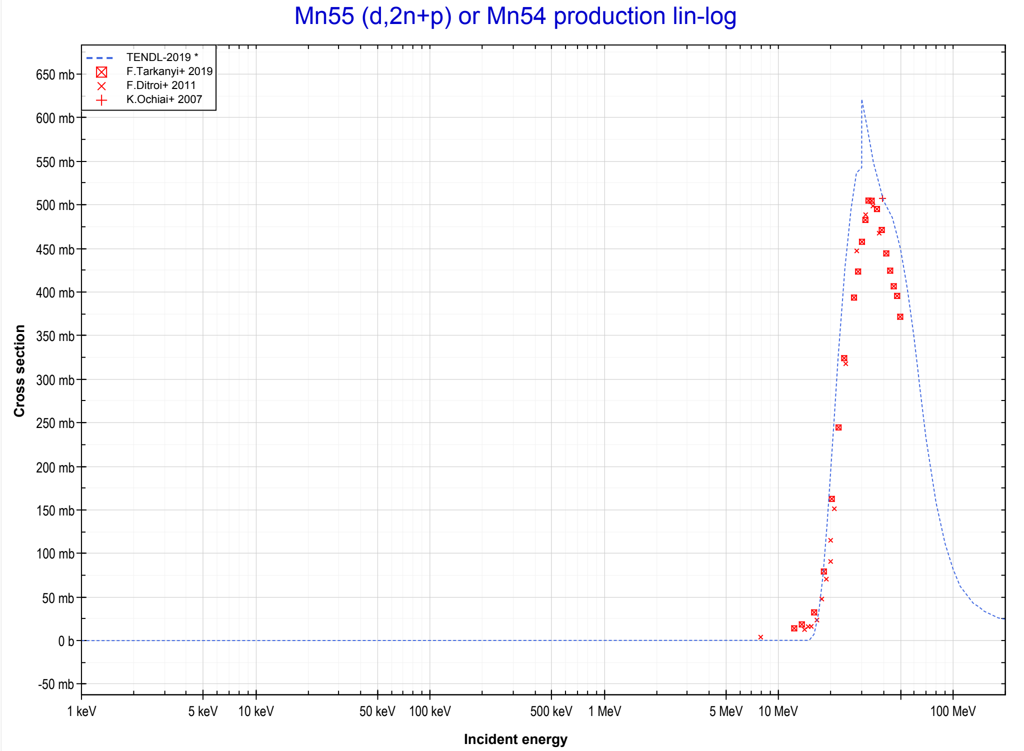




Reaction	Q-Value
Mn55(d,t)Mn54	-3968.89 keV
Mn55(d,n+d)Mn54	-10226.12 keV
Mn55(d,2n+p)Mn54	-12450.68 keV

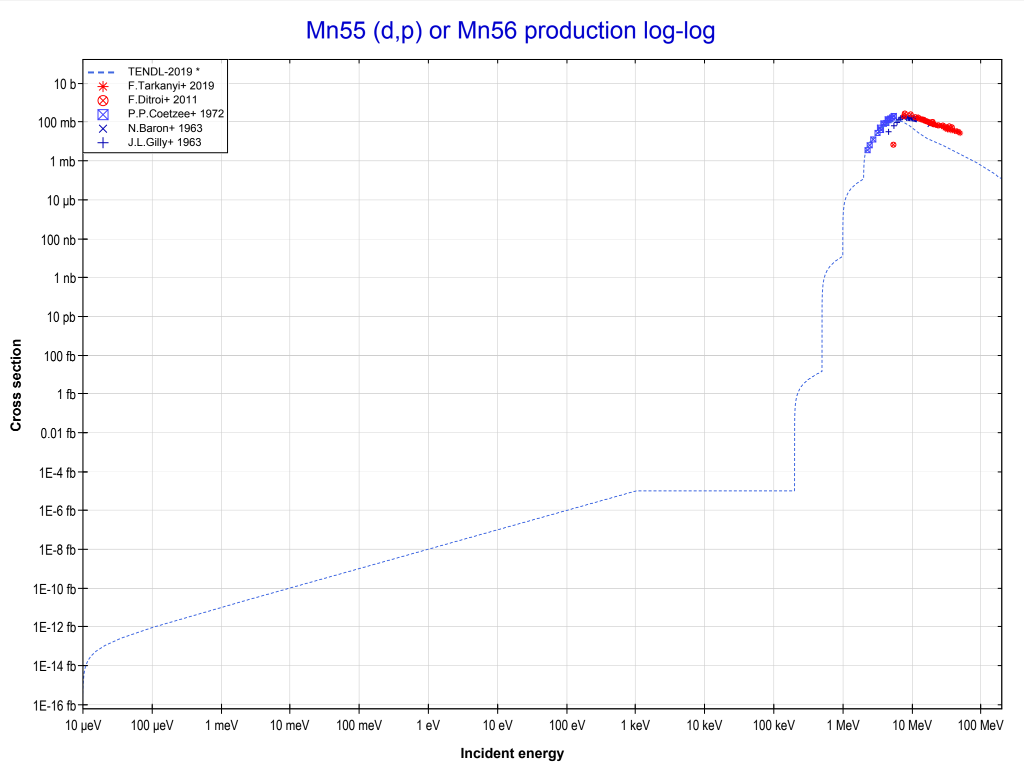
<< 21-Sc-45	**25-Mn-55**	27-Co-59 >>
<< MT32 (d,n+d)	**MT41 (d,2n+p) or MT5 (Mn54 production)**	MT103 (d,p) >>

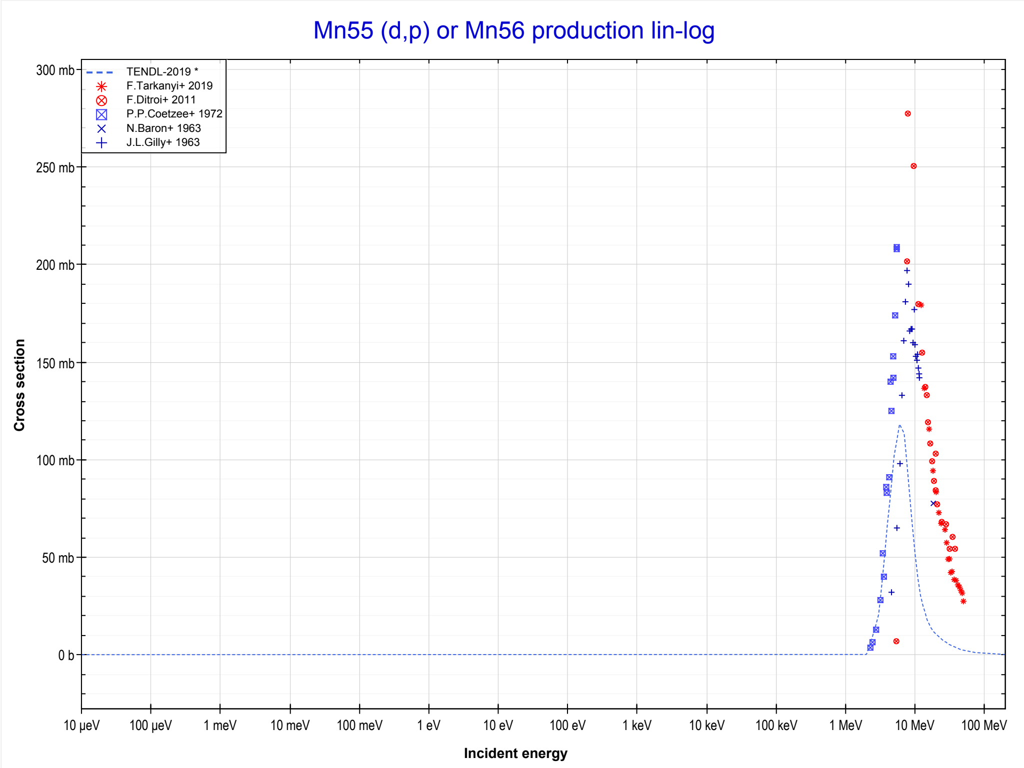




Reaction	Q-Value
Mn55(d,t)Mn54	-3968.89 keV
Mn55(d,n+d)Mn54	-10226.12 keV
Mn55(d,2n+p)Mn54	-12450.68 keV

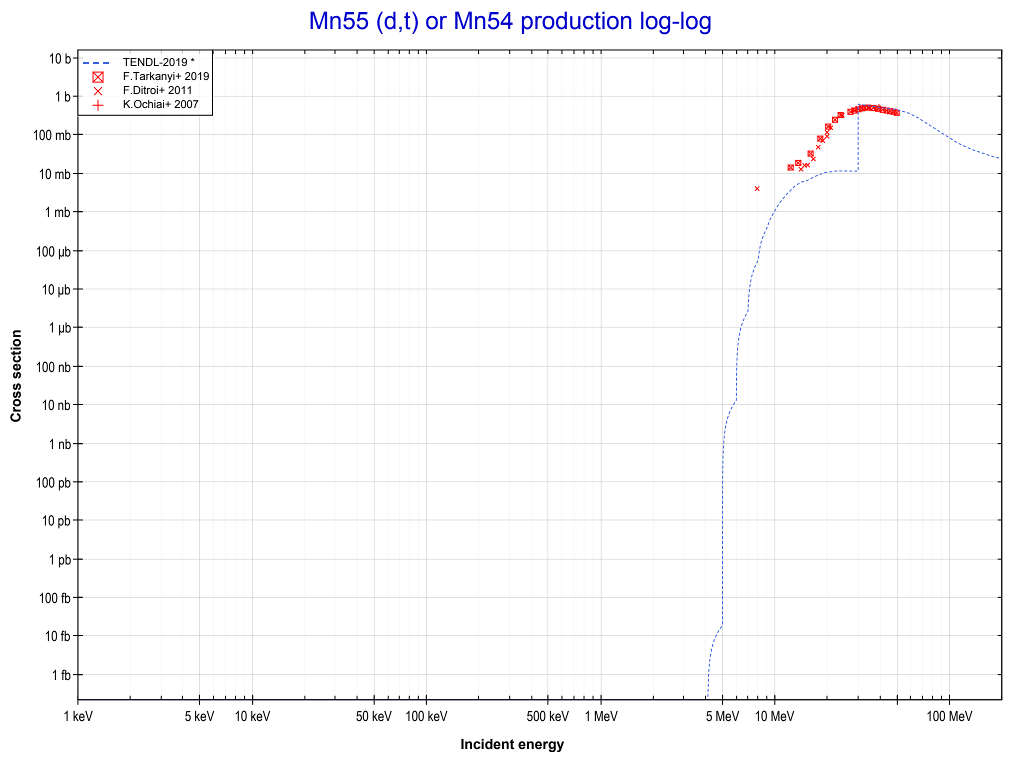
<< 24-Cr-54	**25-Mn-55**	26-Fe-58 >>
<< MT41 (d,2n+p)	**MT103 (d,p) or MT5 (Mn56 production)**	MT105 (d,t) >>

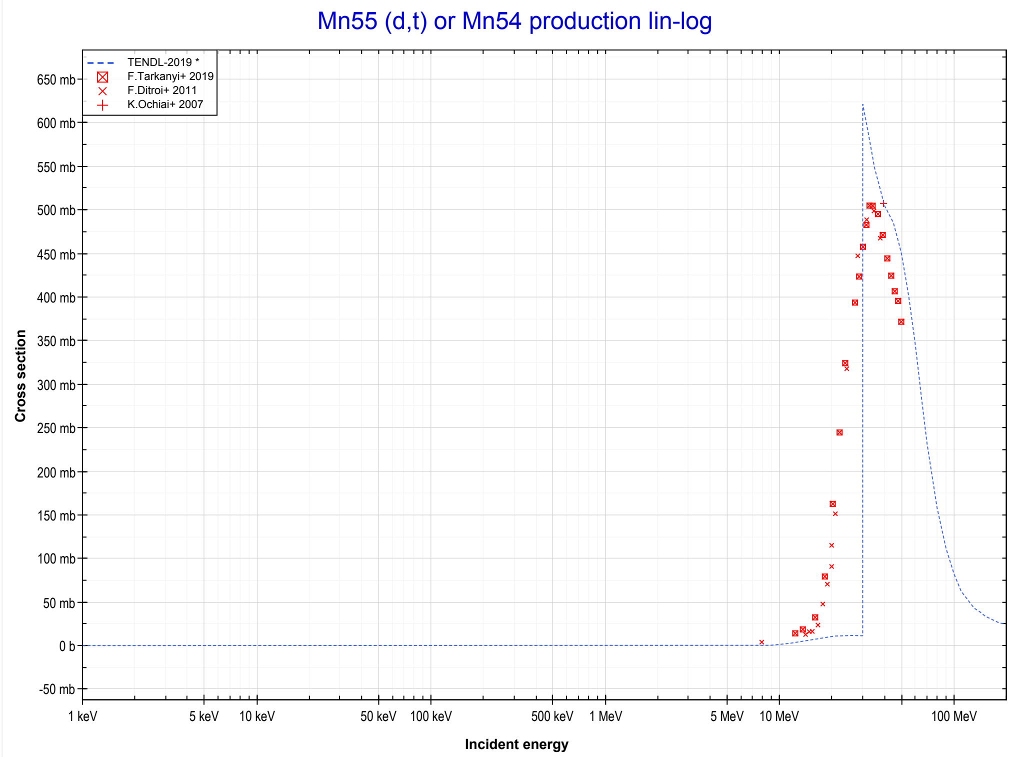




Reaction	Q-Value
Mn55(d,p)Mn56	5045.85 keV

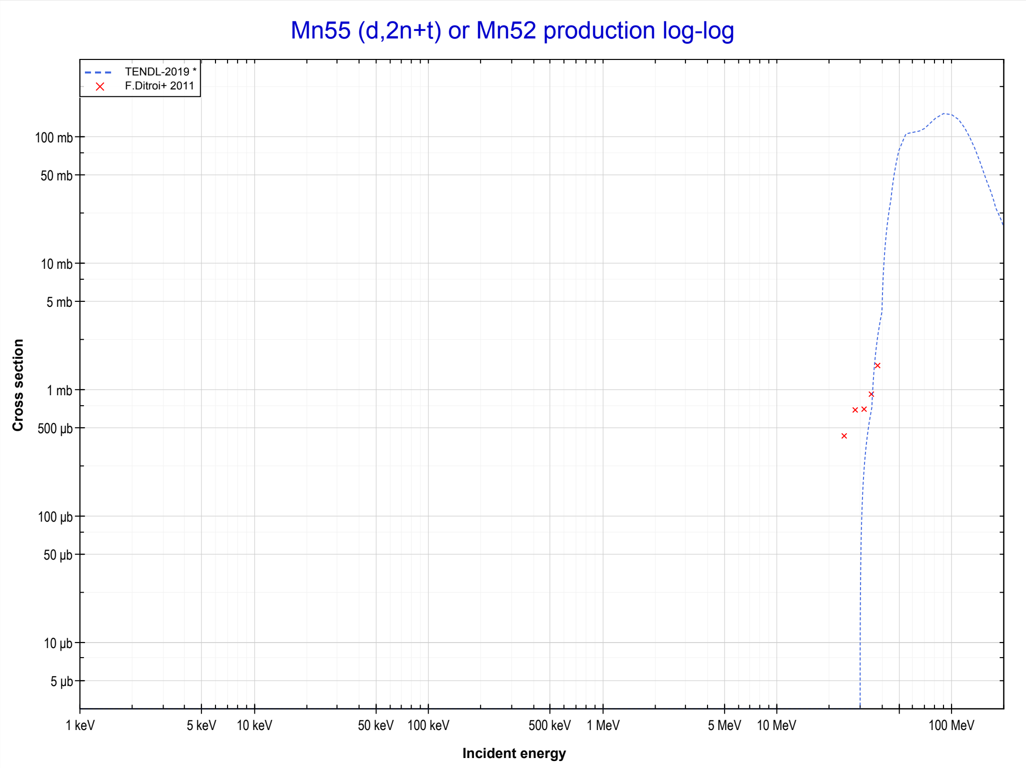
<< 24-Cr-50	**25-Mn-55**	26-Fe-54 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Mn54 production)**	MT154 (d,2n+t) >>

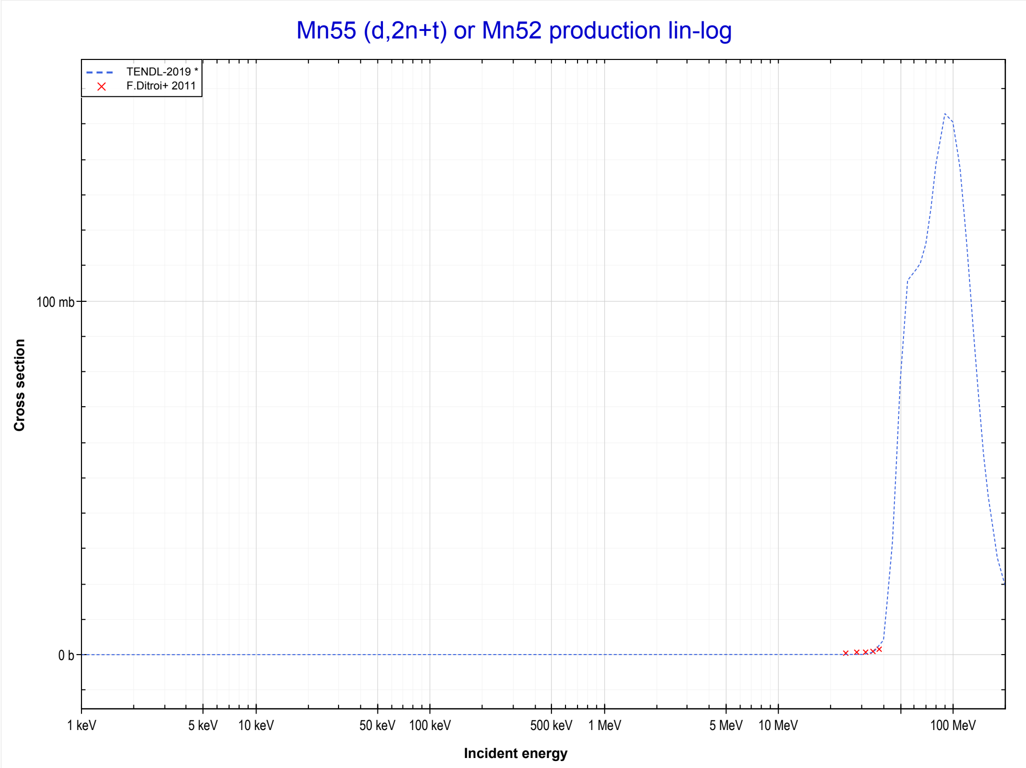




Reaction	Q-Value
Mn55(d,t)Mn54	-3968.89 keV
Mn55(d,n+d)Mn54	-10226.12 keV
Mn55(d,2n+p)Mn54	-12450.68 keV

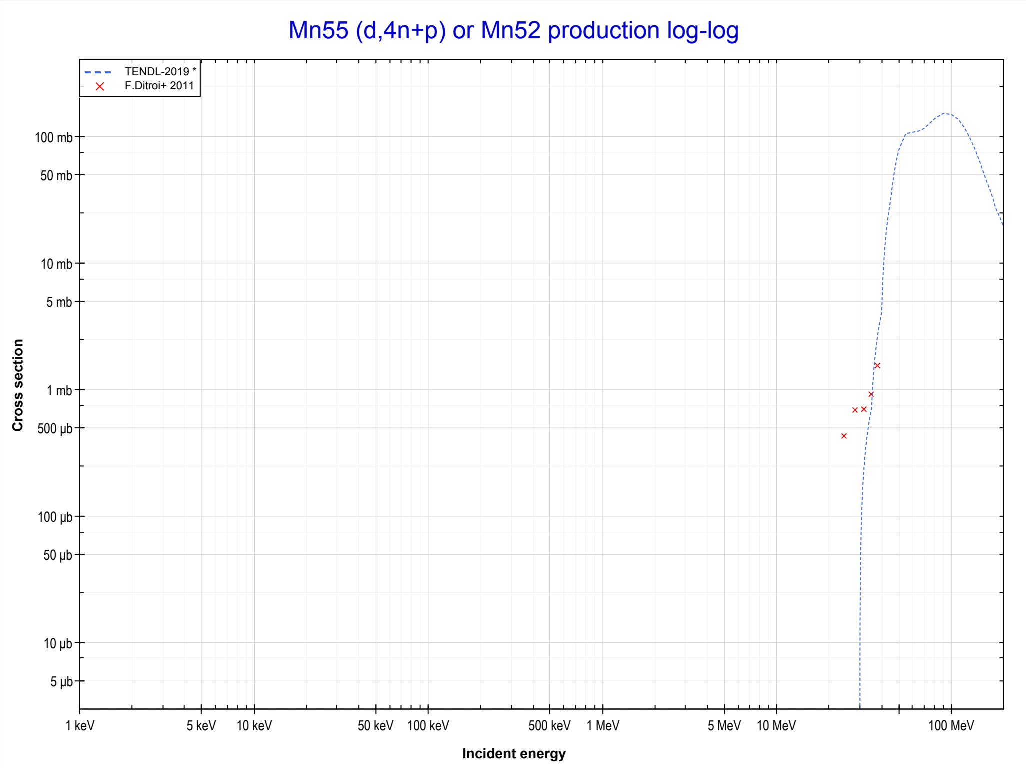
<< 23-V-51	**25-Mn-55**	27-Co-59 >>
<< MT105 (d,t)	**MT154 (d,2n+t) or MT5 (Mn52 production)**	MT156 (d,4n+p) >>

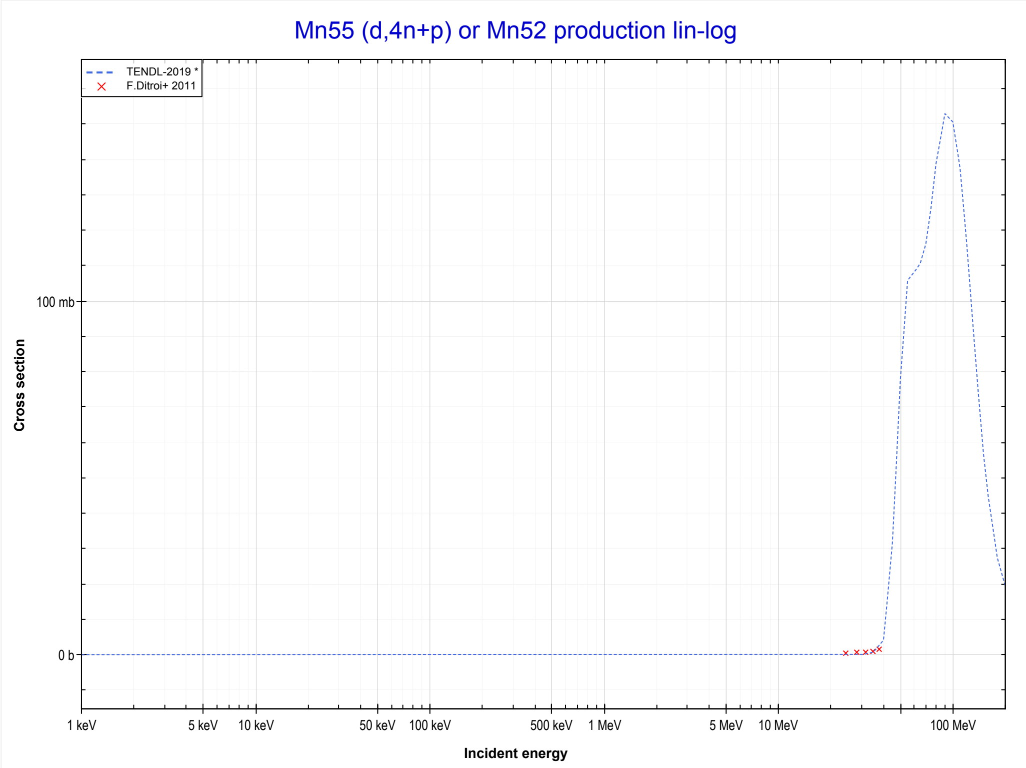




Reaction	Q-Value
Mn55(d,2n+t)Mn52	-24961.82 keV
Mn55(d,3n+d)Mn52	-31219.05 keV
Mn55(d,4n+p)Mn52	-33443.62 keV

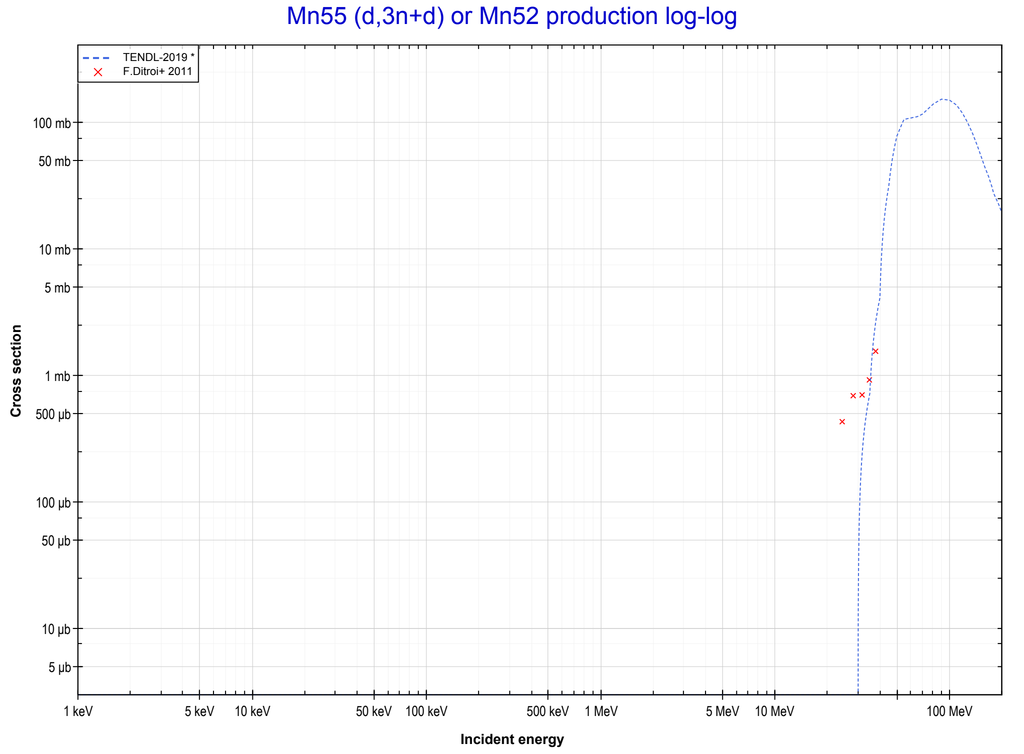
<< 23-V-51	**25-Mn-55**	27-Co-59 >>
<< MT154 (d,2n+t)	**MT156 (d,4n+p) or MT5 (Mn52 production)**	MT157 (d,3n+d) >>

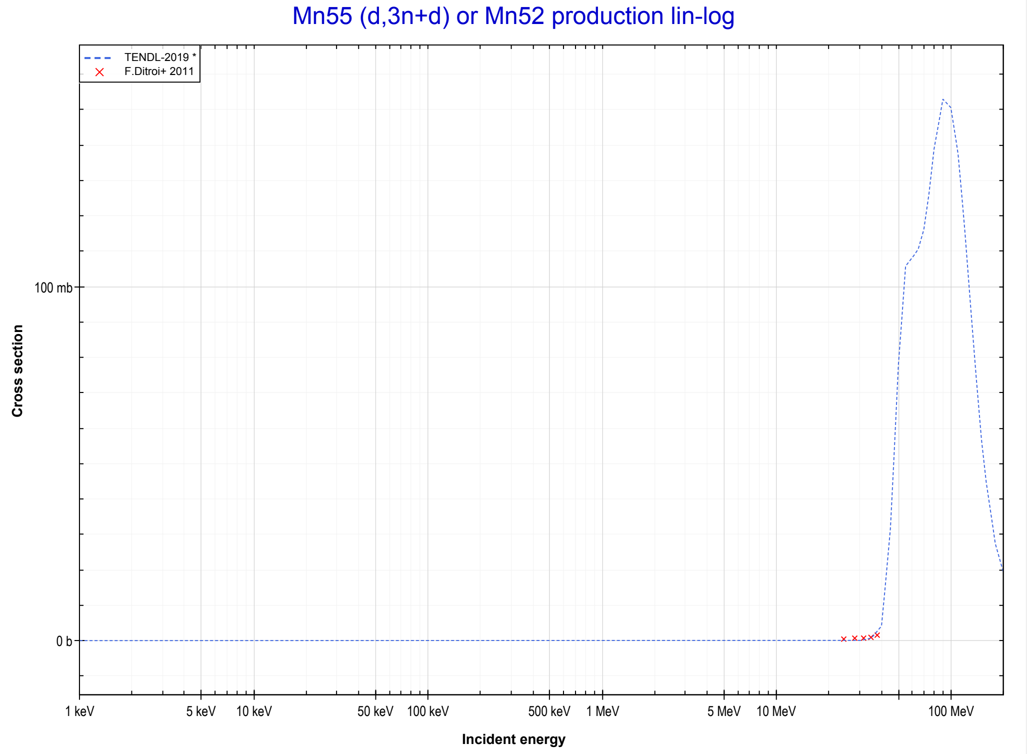




Reaction	Q-Value
Mn55(d,2n+t)Mn52	-24961.82 keV
Mn55(d,3n+d)Mn52	-31219.05 keV
Mn55(d,4n+p)Mn52	-33443.62 keV

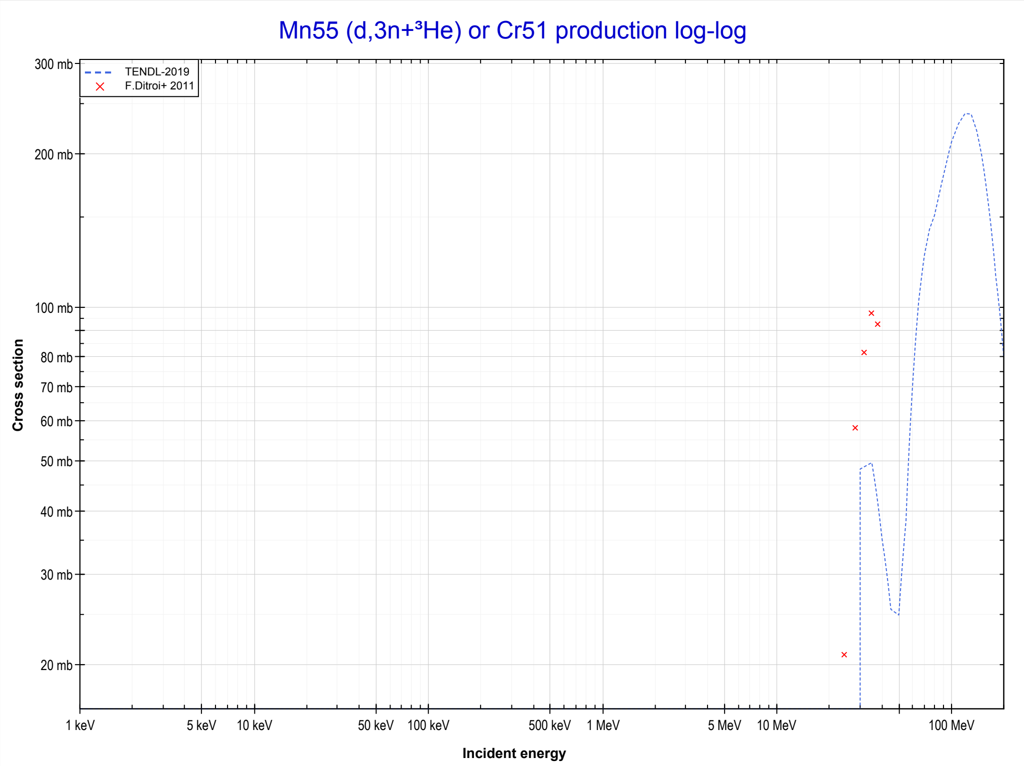
<< 23-V-51	**25-Mn-55**	27-Co-59 >>
<< MT156 (d,4n+p)	**MT157 (d,3n+d) or MT5 (Mn52 production)**	MT177 (d,3n+³He) >>

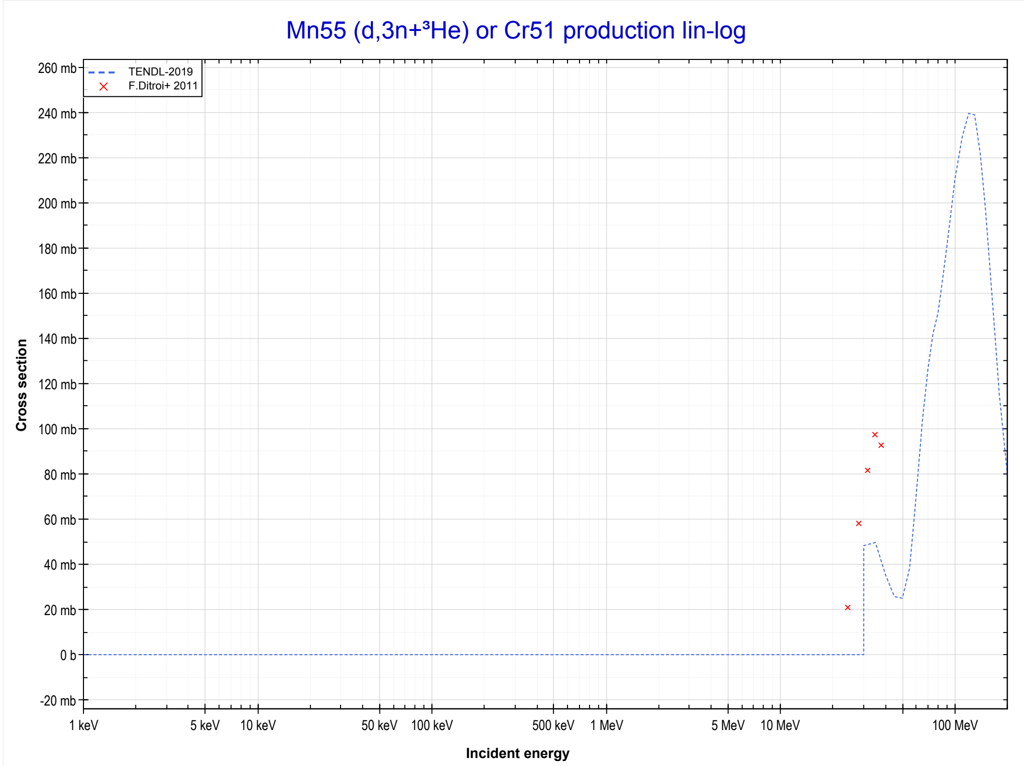




Reaction	Q-Value
Mn55(d,2n+t)Mn52	-24961.82 keV
Mn55(d,3n+d)Mn52	-31219.05 keV
Mn55(d,4n+p)Mn52	-33443.62 keV

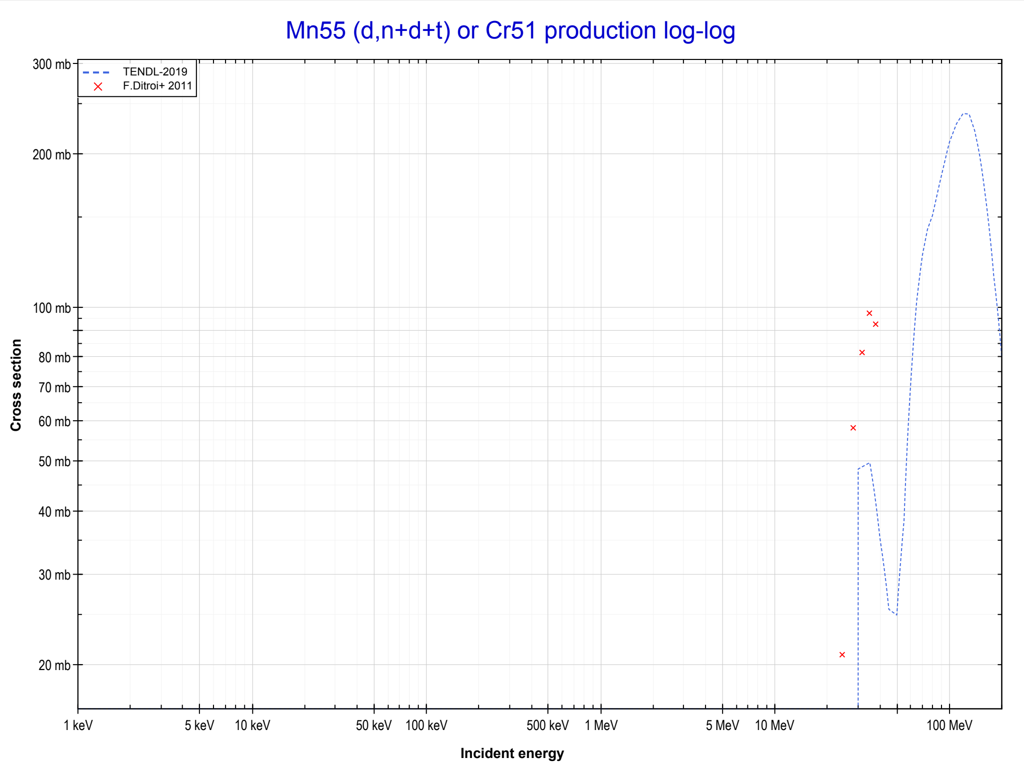
	25-Mn-55	
<< MT157 (d,3n+d)	**MT177 (d,3n+³He) or MT5 (Cr51 production)**	MT185 (d,n+d+t) >>

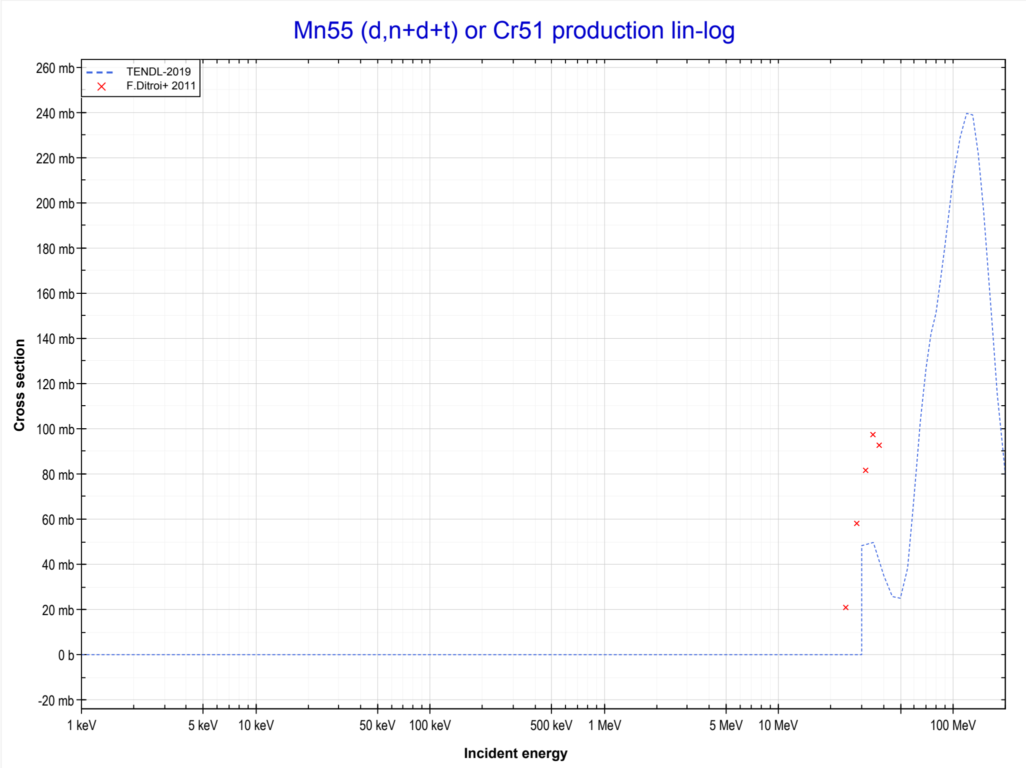




Reaction	Q-Value
Mn55(d,2n+α)Cr51	-11692.83 keV
Mn55(d,2t)Cr51	-23024.90 keV
Mn55(d,n+d+t)Cr51	-29282.13 keV
Mn55(d,2n+p+t)Cr51	-31506.69 keV
Mn55(d,3n+He3)Cr51	-32270.45 keV
Mn55(d,2n+2d)Cr51	-35539.36 keV
Mn55(d,3n+p+d)Cr51	-37763.92 keV
Mn55(d,4n+2p)Cr51	-39988.49 keV

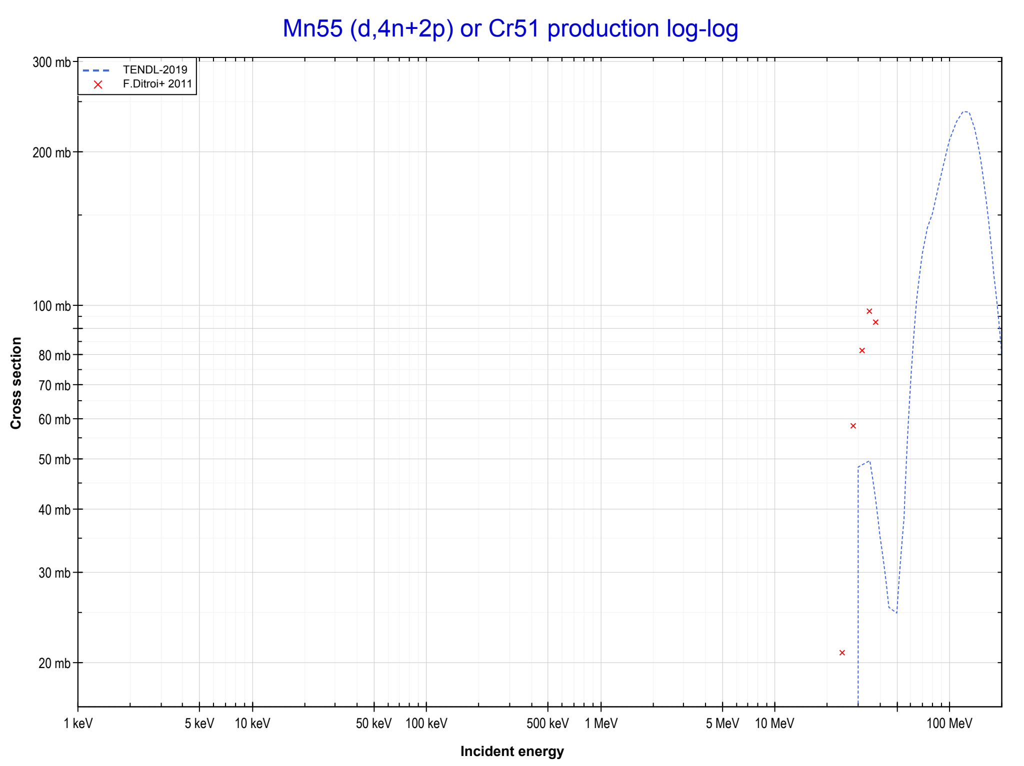
<< MT177 (d,3n+³He)	25-Mn-55 MT185 (d,n+d+t) or MT5 (Cr51 production)	MT194 (d,4n+2p) >>

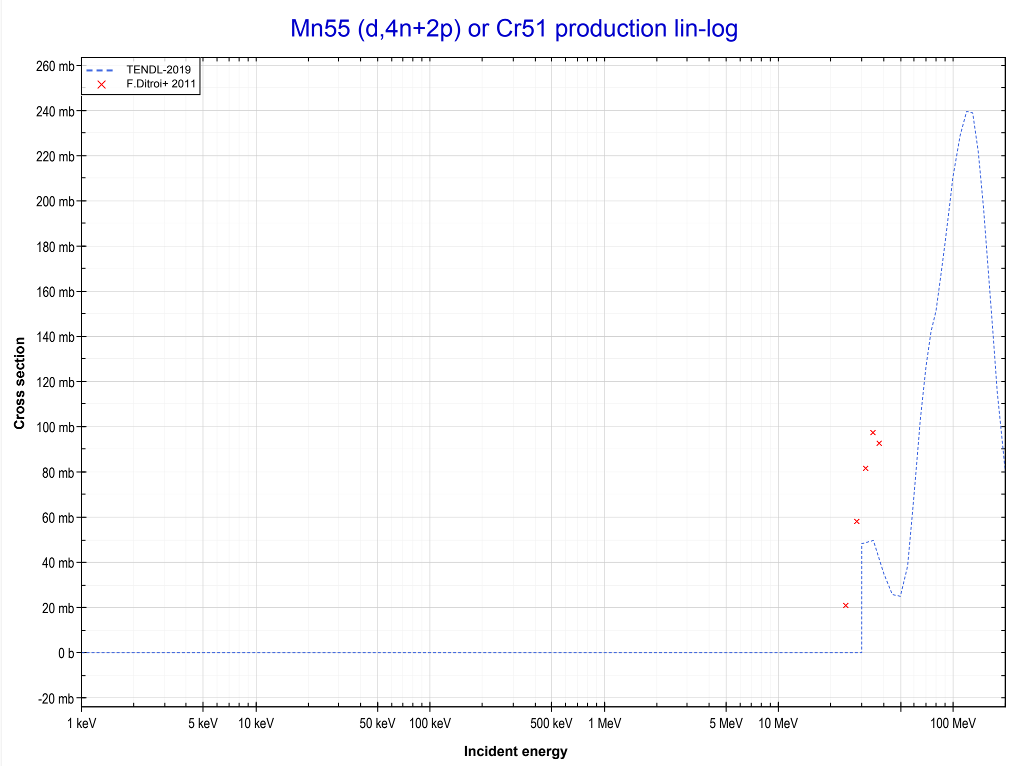




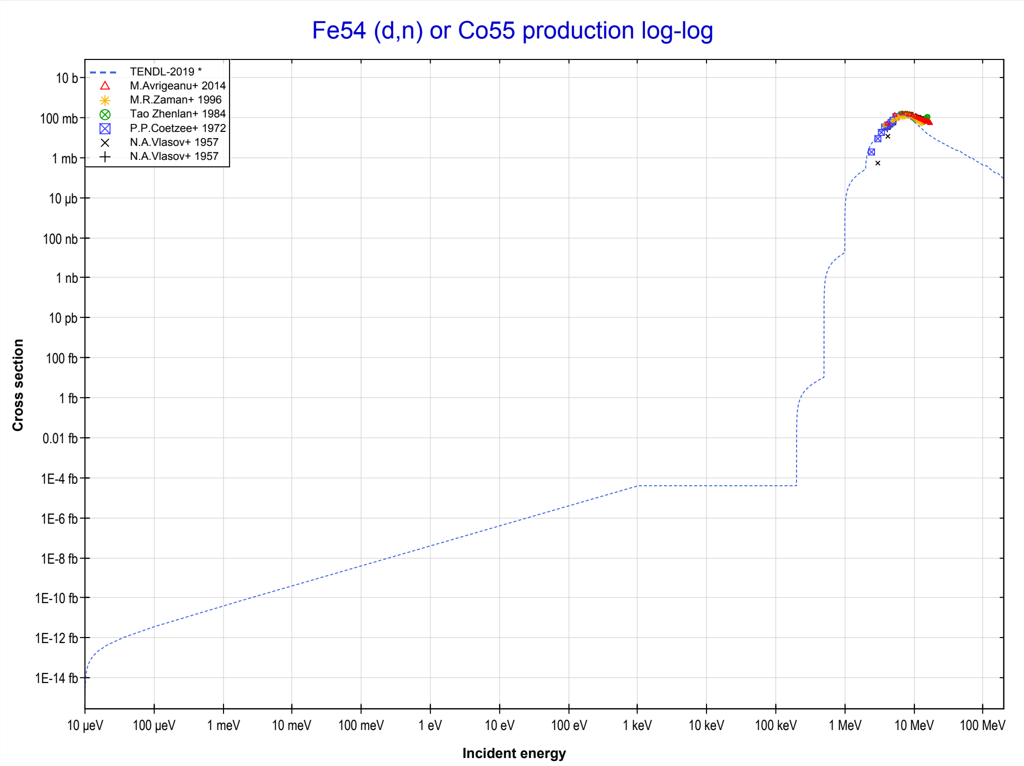
Reaction	Q-Value
Mn55(d,2n+α)Cr51	-11692.83 keV
Mn55(d,2t)Cr51	-23024.90 keV
Mn55(d,n+d+t)Cr51	-29282.13 keV
Mn55(d,2n+p+t)Cr51	-31506.69 keV
Mn55(d,3n+He3)Cr51	-32270.45 keV
Mn55(d,2n+2d)Cr51	-35539.36 keV
Mn55(d,3n+p+d)Cr51	-37763.92 keV
Mn55(d,4n+2p)Cr51	-39988.49 keV

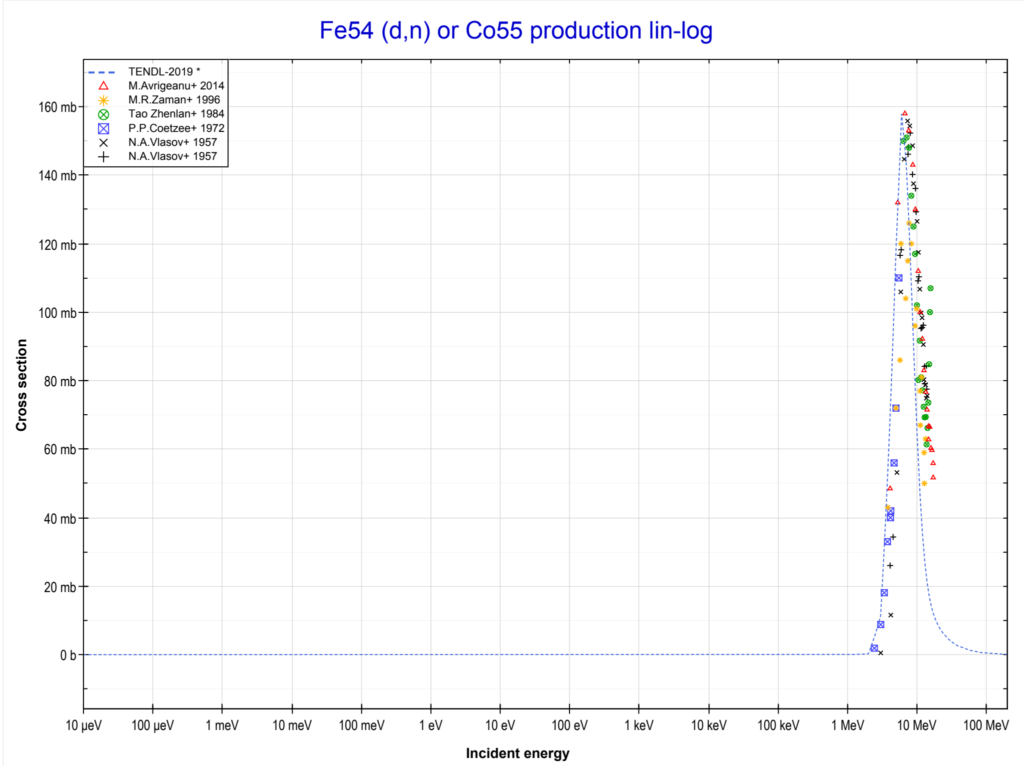
	25-Mn-55	
<< MT185 (d,n+d+t)	**MT194 (d,4n+2p) or MT5 (Cr51 production)**	26-Fe-54 MT4 (d,n) >>





Reaction	Q-Value
Mn55(d,2n+α)Cr51	-11692.83 keV
Mn55(d,2t)Cr51	-23024.90 keV
Mn55(d,n+d+t)Cr51	-29282.13 keV
Mn55(d,2n+p+t)Cr51	-31506.69 keV
Mn55(d,3n+He3)Cr51	-32270.45 keV
Mn55(d,2n+2d)Cr51	-35539.36 keV
Mn55(d,3n+p+d)Cr51	-37763.92 keV
Mn55(d,4n+2p)Cr51	-39988.49 keV

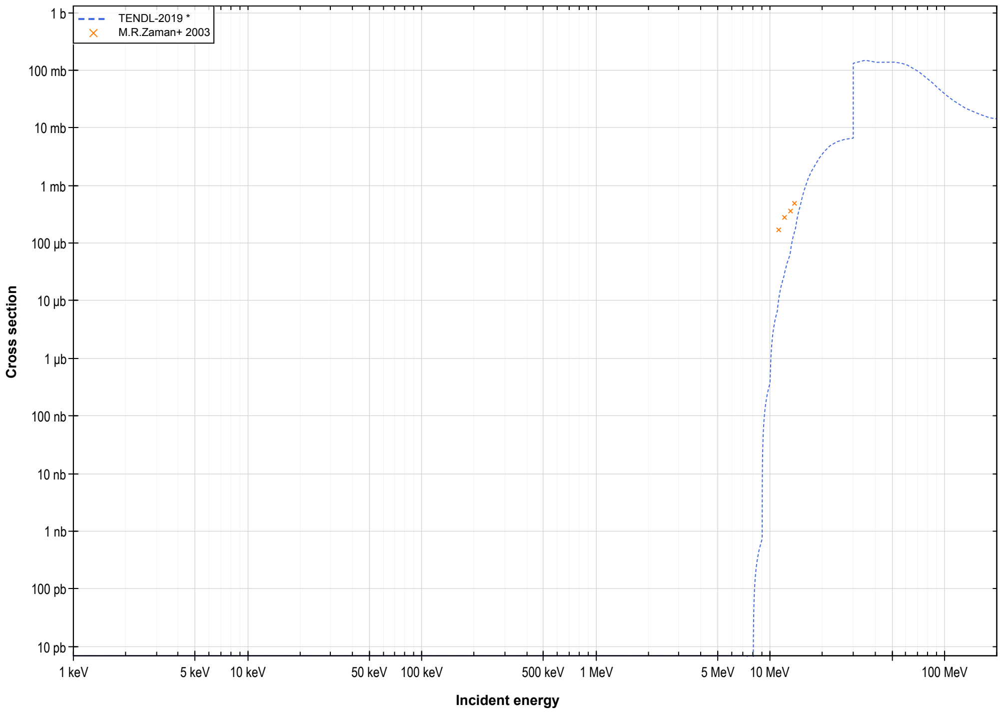




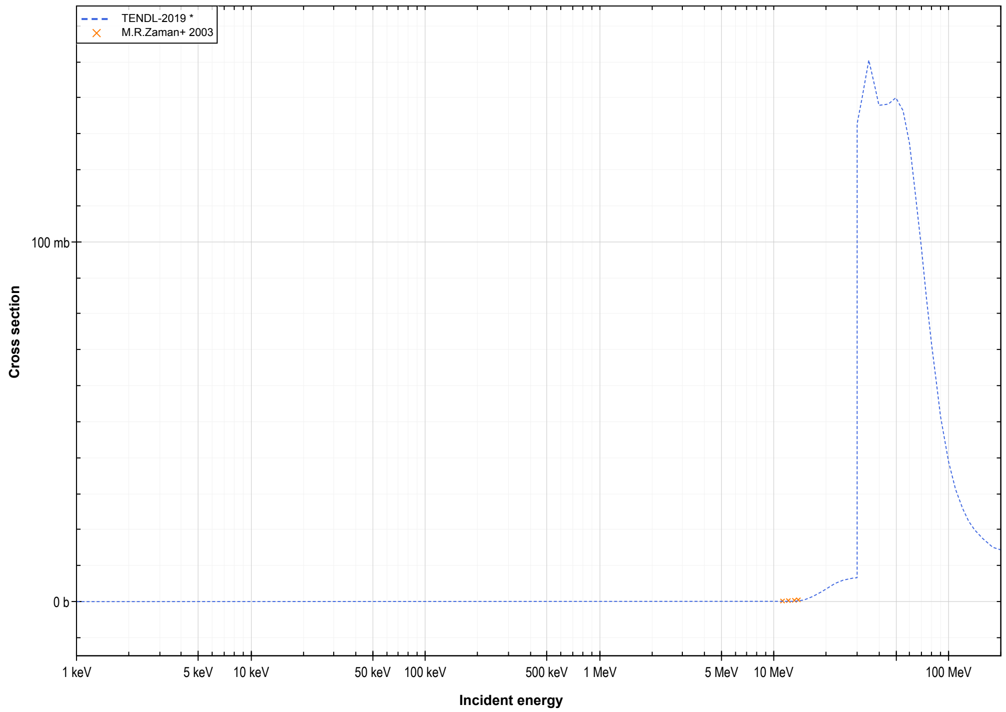
Reaction	Q-Value
Fe54(d,n)Co55	2839.80 keV

<< 25-Mn-55	**26-Fe-54**	27-Co-59 >>
<< MT4 (d,n)	**MT105 (d,t) or MT5 (Fe53 production)**	MT107 (d,α) >>

Fe54 (d,t) or Fe53 production log-log

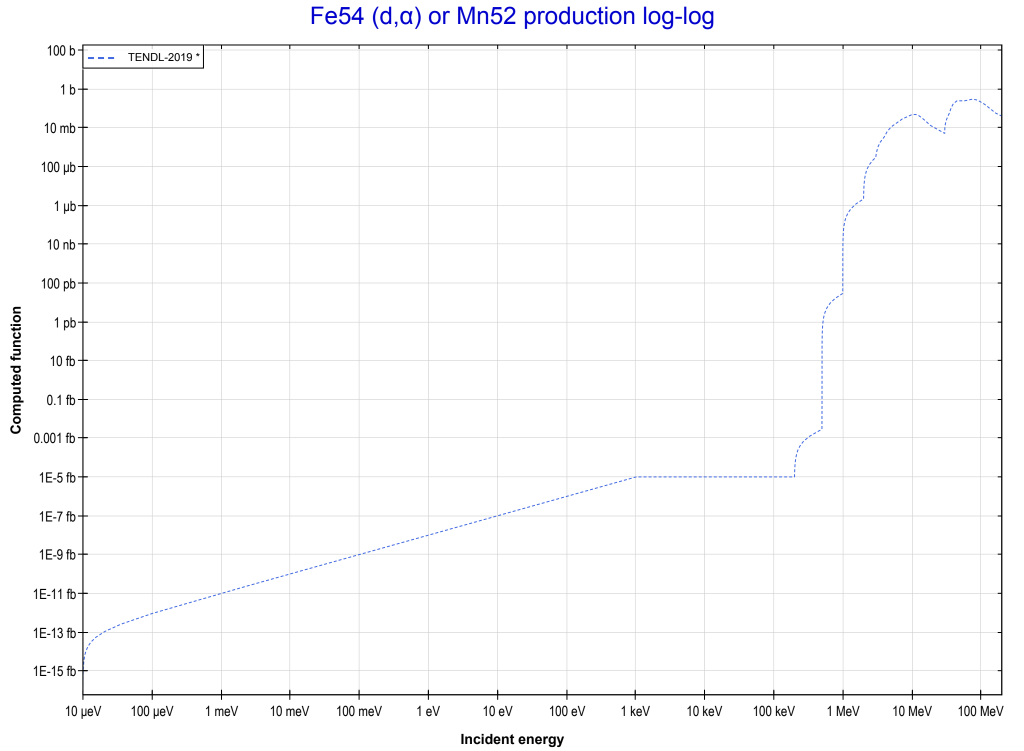


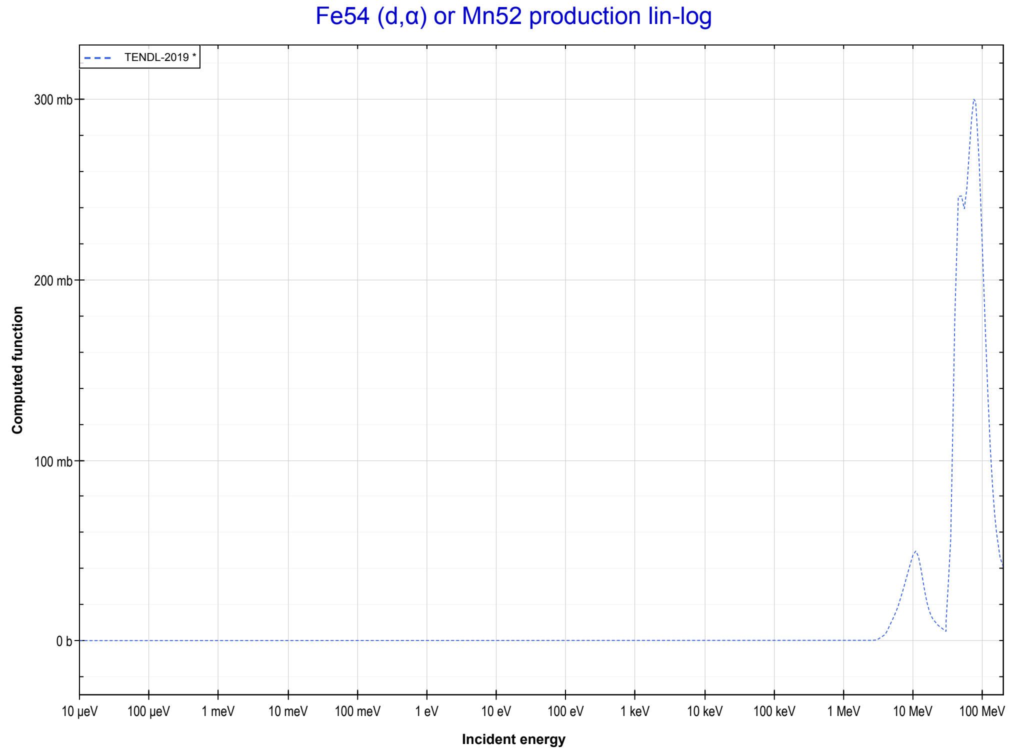
Fe54 (d,t) or Fe53 production lin-log



Reaction	Q-Value
Fe54(d,t)Fe53	-7121.09 keV
Fe54(d,n+d)Fe53	-13378.32 keV
Fe54(d,2n+p)Fe53	-15602.88 keV

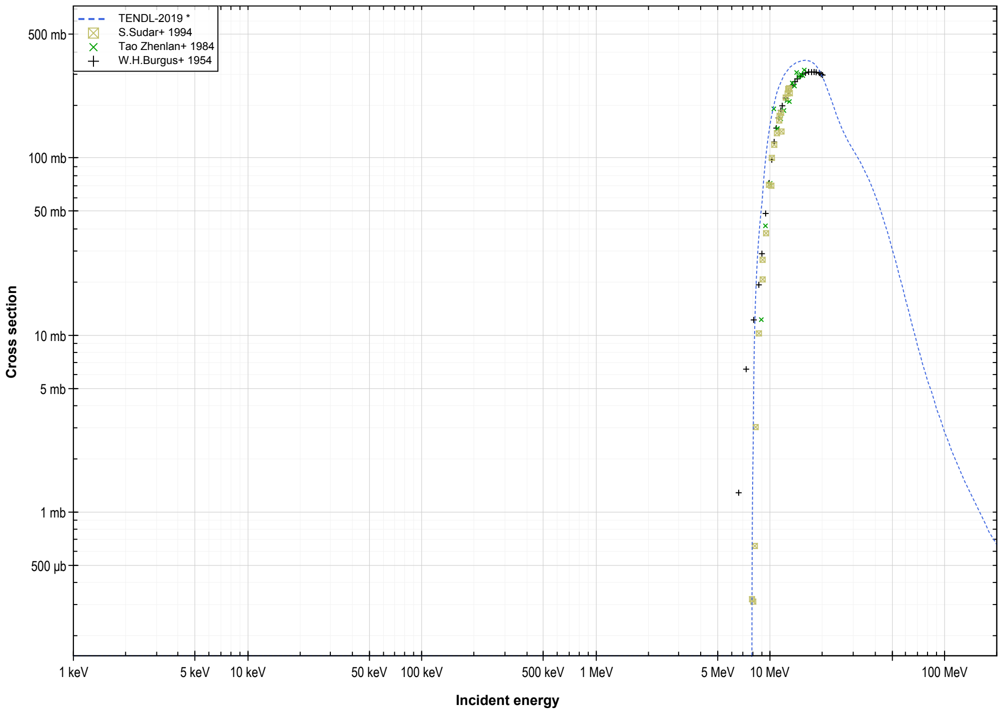
<< 24-Cr-50	**26-Fe-54**	26-Fe-56 >>
<< MT105 (d,t)	**MT107 (d,α) or MT5 (Mn52 production)**	26-Fe-56 MT16 (d,2n) >>



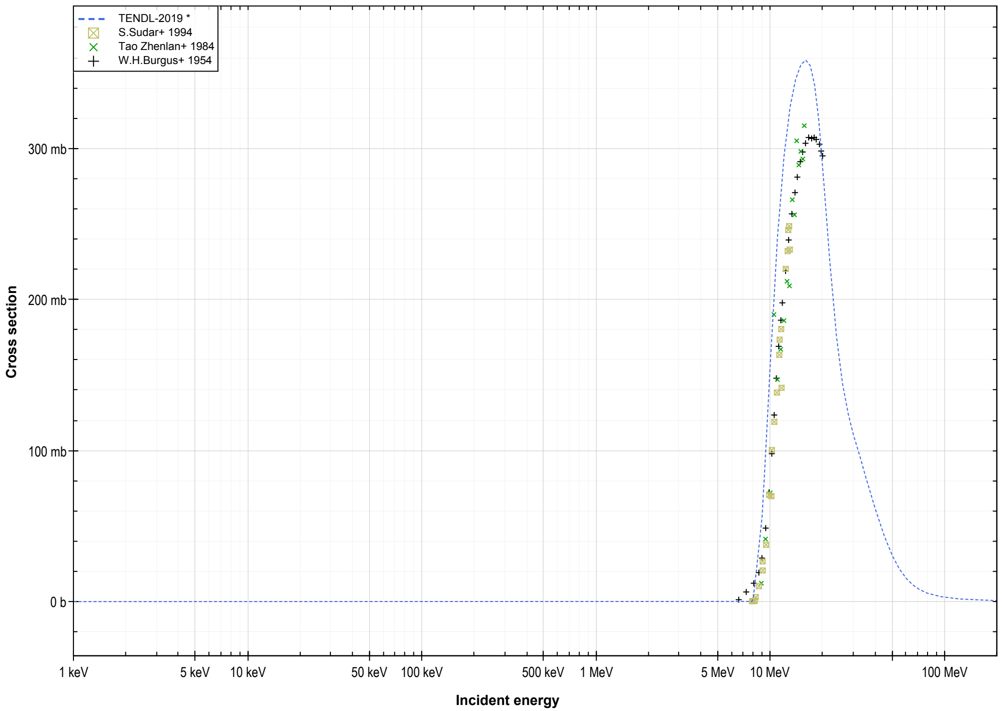


Reaction	Q-Value
Fe54(d,α)Mn52	5163.61 keV
Fe54(d,p+t)Mn52	-14650.26 keV
Fe54(d,n+He3)Mn52	-15414.01 keV
Fe54(d,2d)Mn52	-18682.92 keV
Fe54(d,n+p+d)Mn52	-20907.49 keV
Fe54(d,2n+2p)Mn52	-23132.05 keV

Fe56 (d,2n) or Co56 production log-log

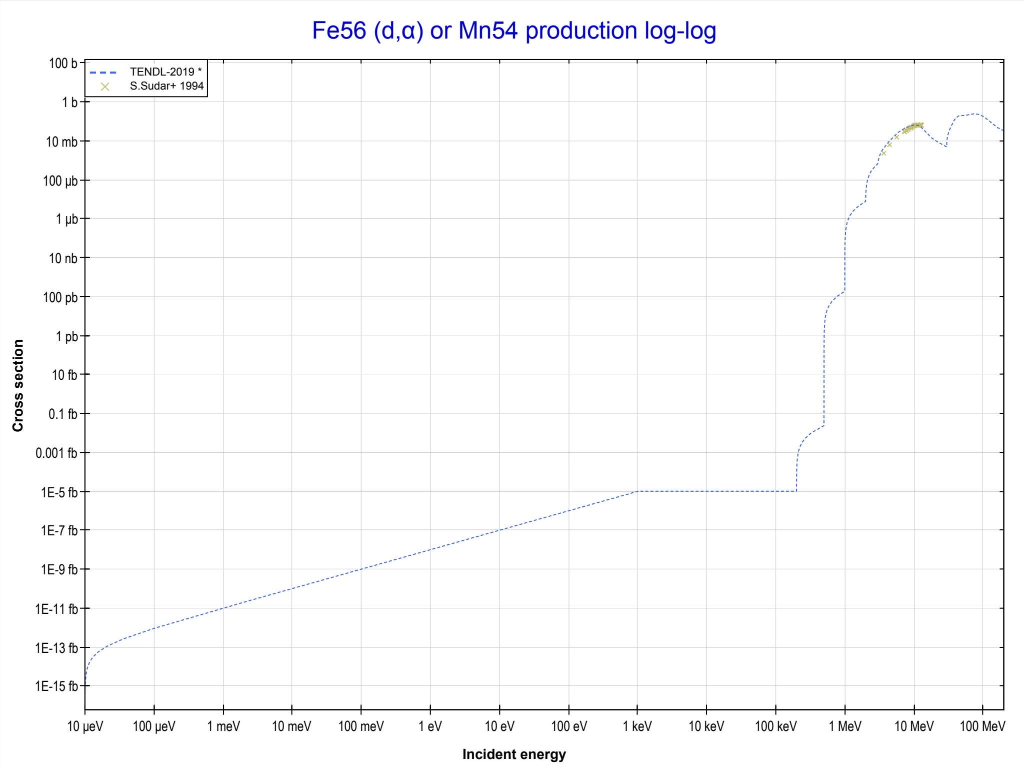


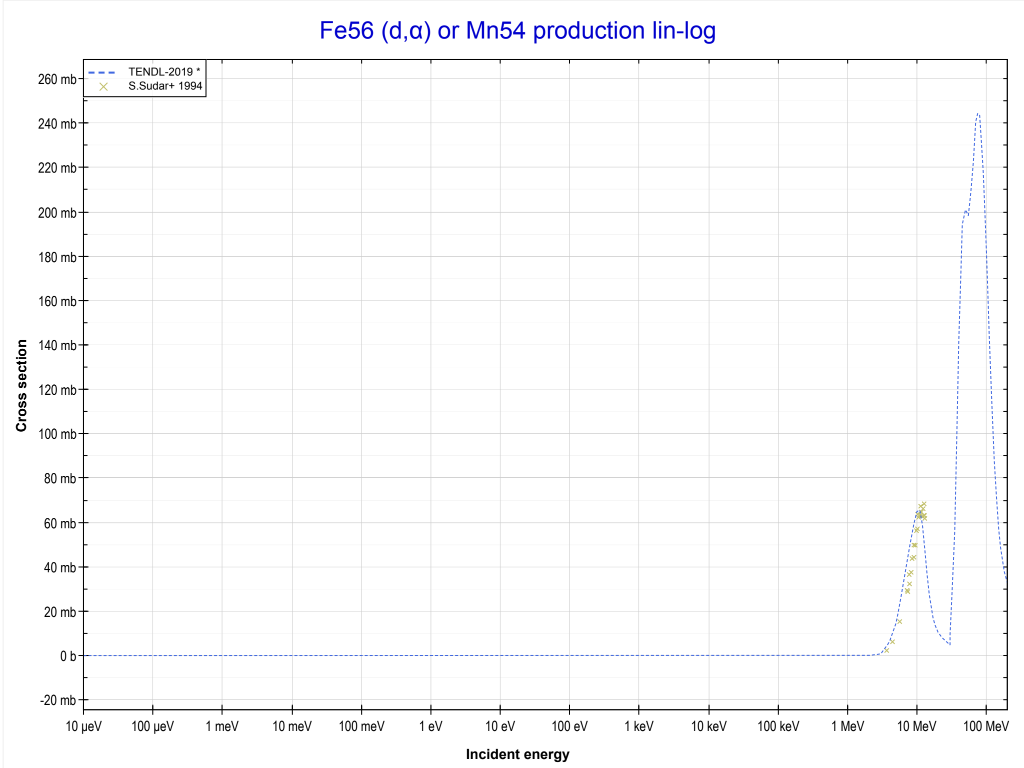
Fe56 (d,2n) or Co56 production lin-log



Reaction	Q-Value
Fe56(d,2n)Co56	-7573.61 keV

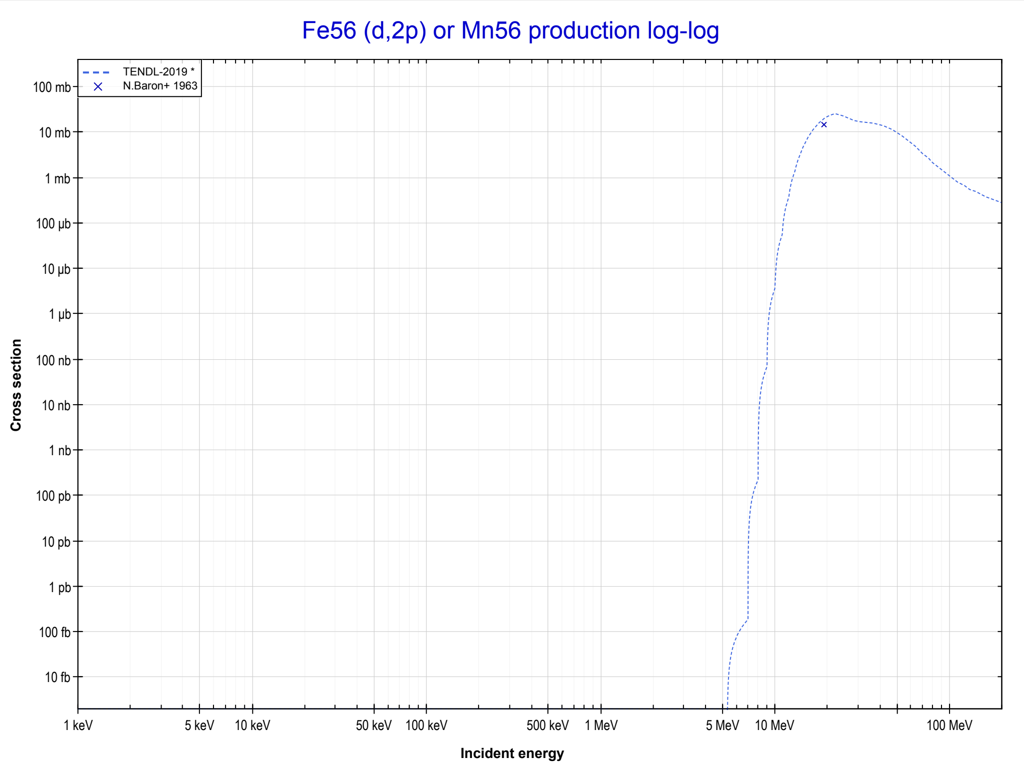
<< 26-Fe-54	**26-Fe-56**	28-Ni-58 >>
<< MT16 (d,2n)	**MT107 (d,α) or MT5 (Mn54 production)**	MT111 (d,2p) >>

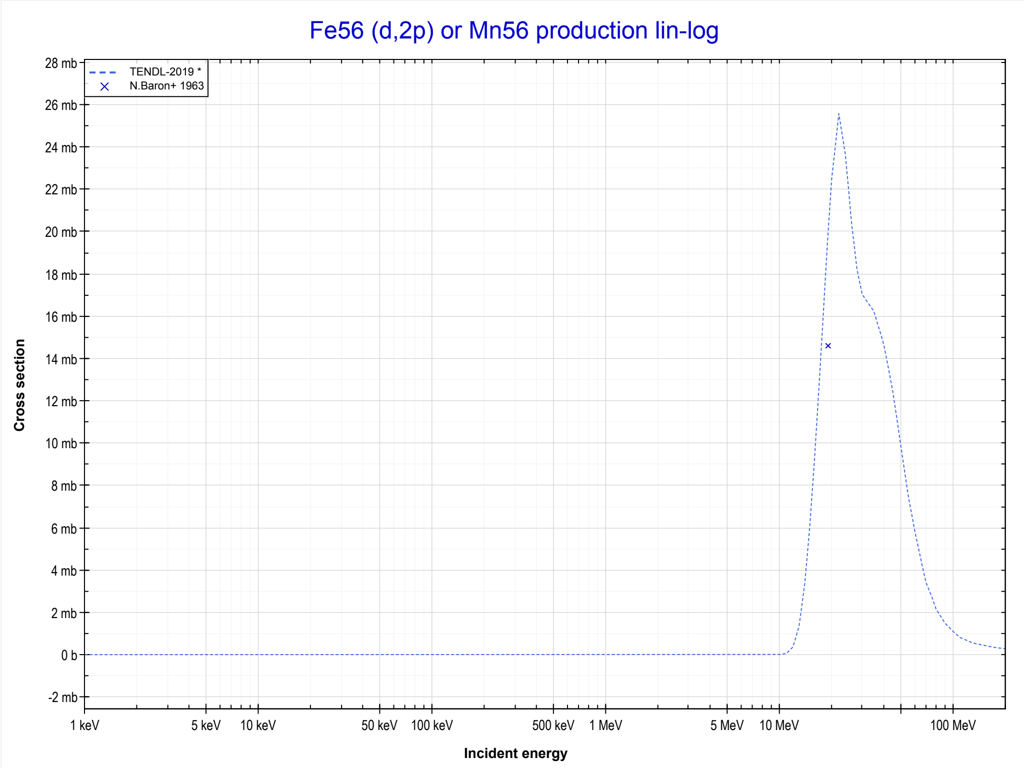




Reaction	Q-Value
Fe56(d,α)Mn54	5661.31 keV
Fe56(d,p+t)Mn54	-14152.56 keV
Fe56(d,n+He3)Mn54	-14916.31 keV
Fe56(d,2d)Mn54	-18185.22 keV
Fe56(d,n+p+d)Mn54	-20409.79 keV
Fe56(d,2n+2p)Mn54	-22634.35 keV

<< 24-Cr-52	**26-Fe-56**	27-Co-59 >>
<< MT107 (d,α)	**MT111 (d,2p) or MT5 (Mn56 production)**	26-Fe-58 MT103 (d,p) >>

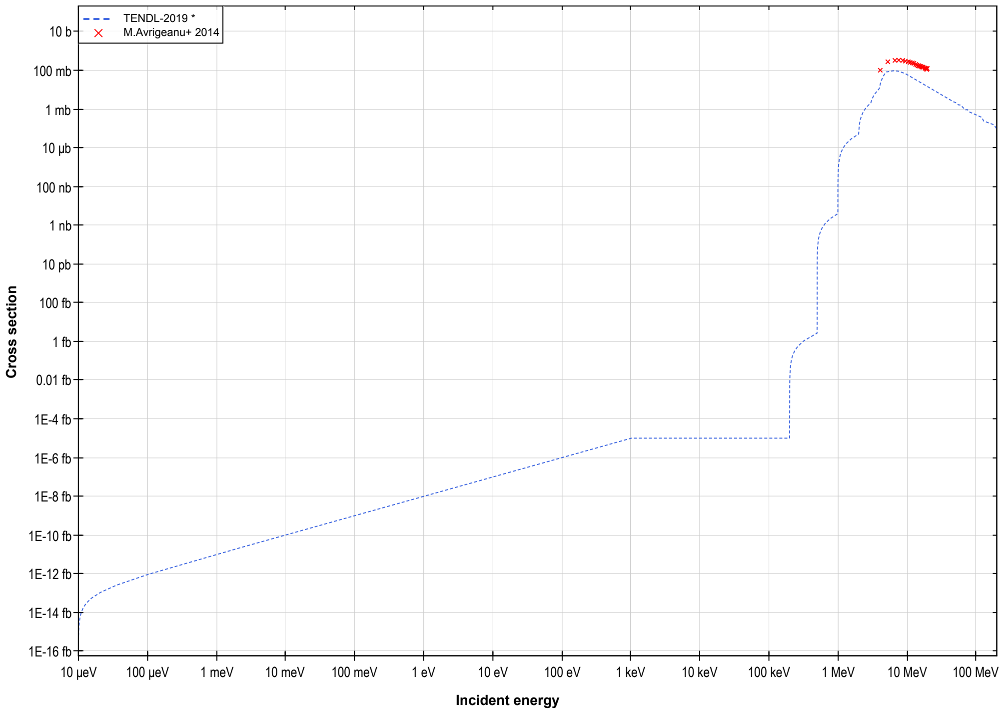




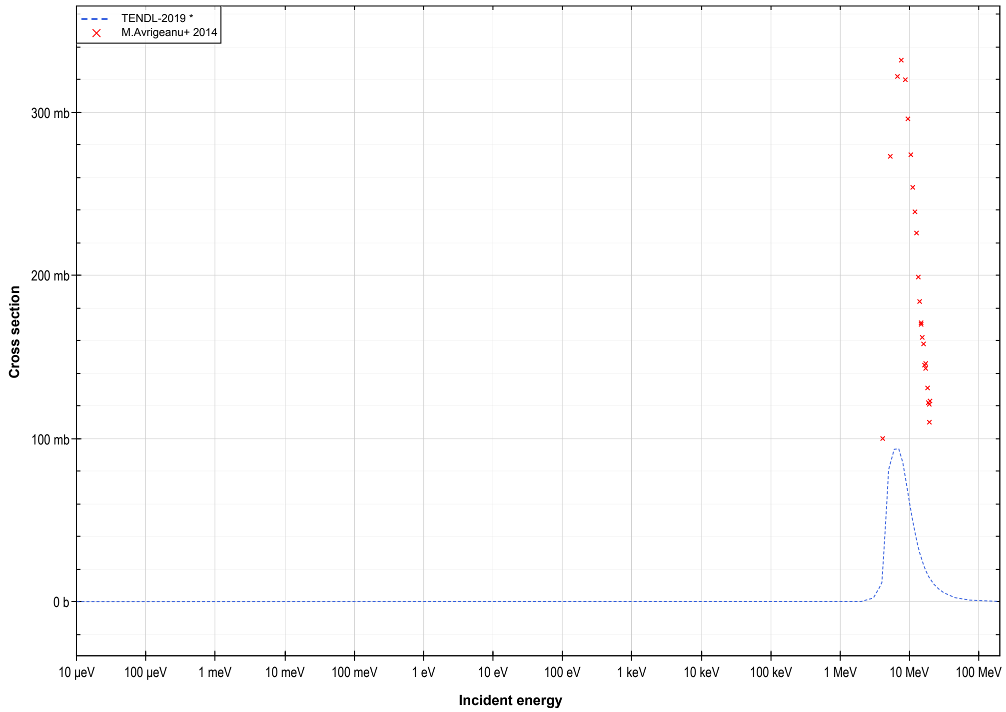
Reaction	Q-Value
Fe56(d,2p)Mn56	-5137.82 keV

<< 25-Mn-55	**26-Fe-58**	27-Co-59 >>
<< 26-Fe-56 MT111 (d,2p)	**MT103 (d,p) or MT5 (Fe59 production)**	27-Co-59 MT11 (d,2n+d) >>

Fe58 (d,p) or Fe59 production log-log

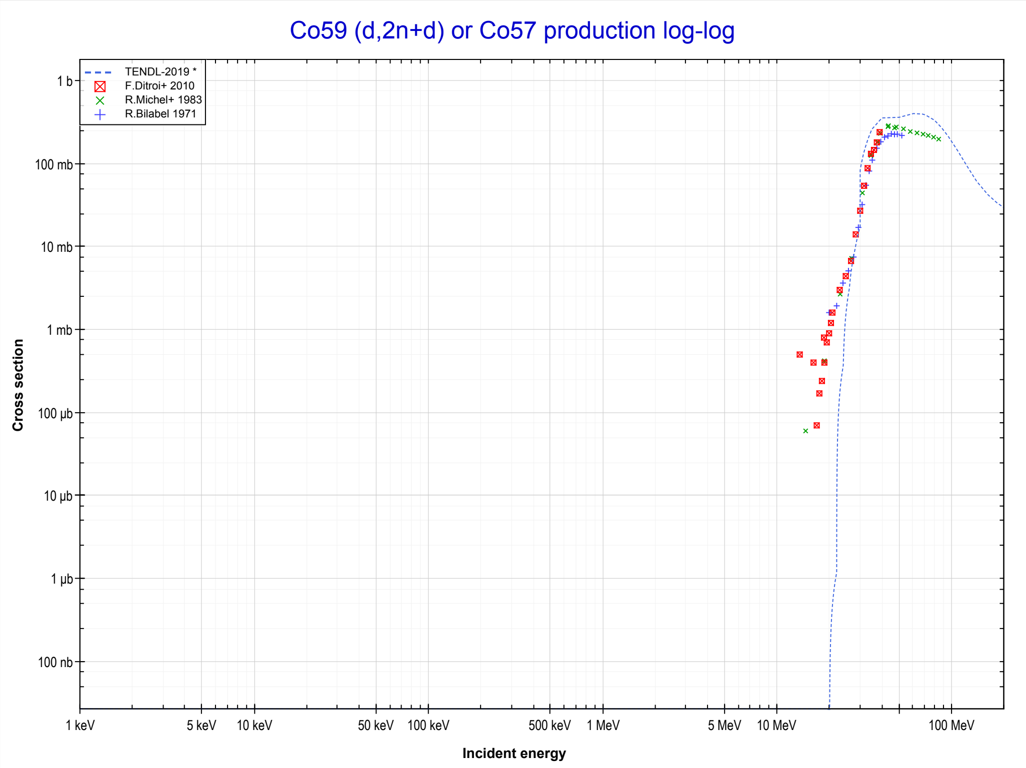


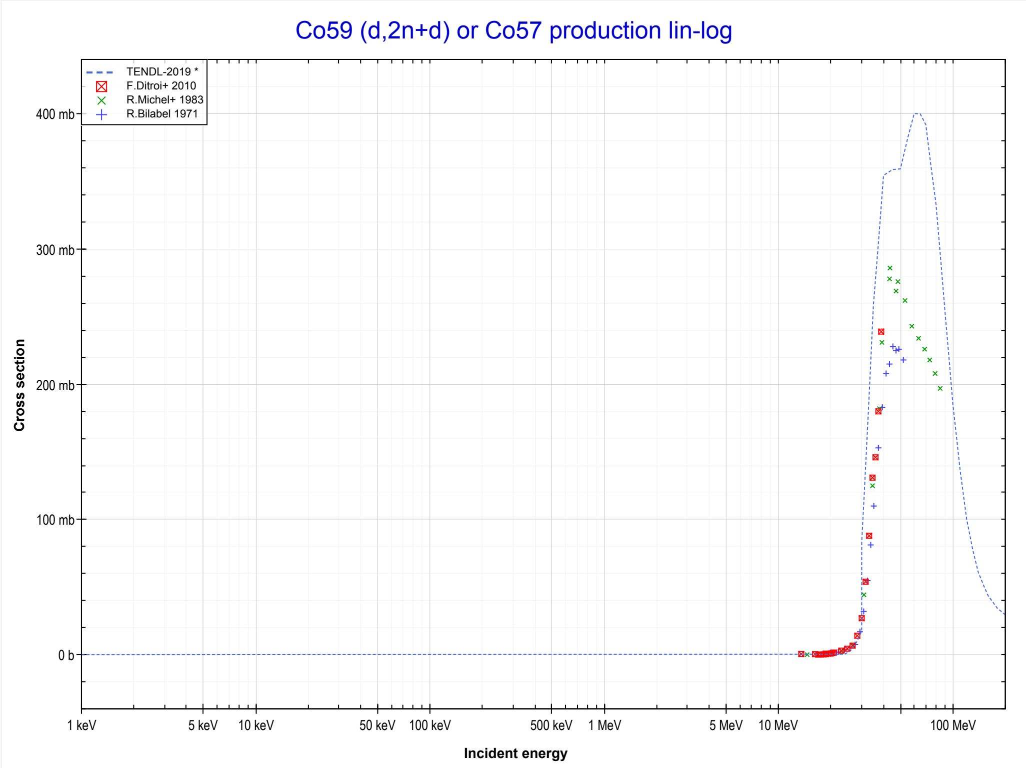
Fe58 (d,p) or Fe59 production lin-log



Reaction	Q-Value
Fe58(d,p)Fe59	4356.45 keV

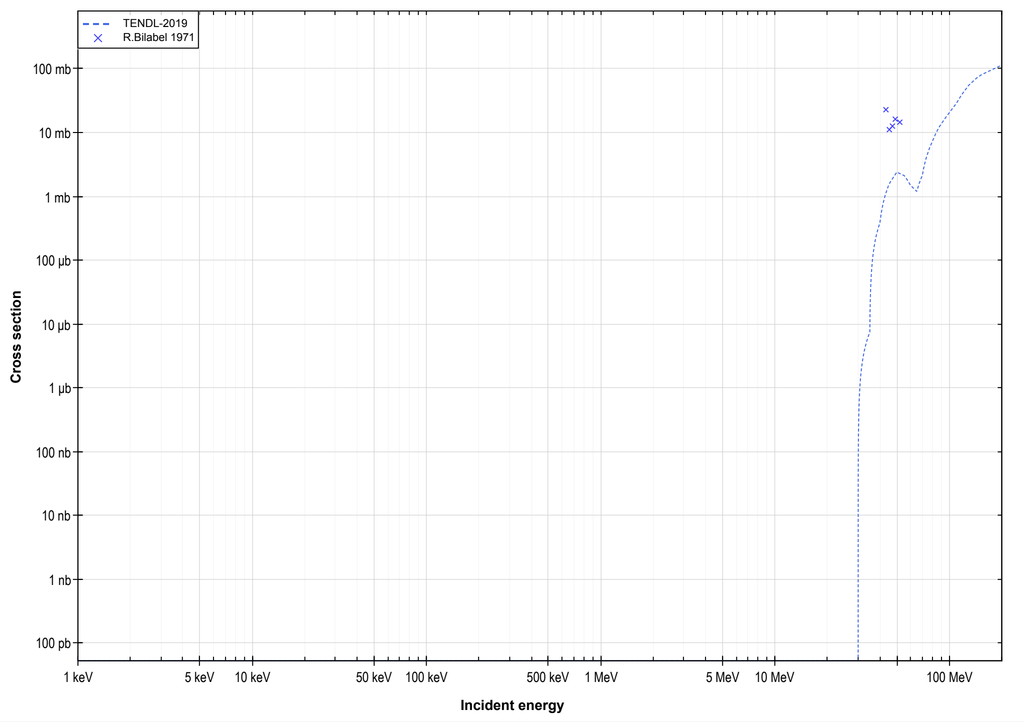
<< 21-Sc-45	**27-Co-59**	39-Y-89 >>
<< 26-Fe-58 MT103 (d,p)	**MT11 (d,2n+d) or MT5 (Co57 production)**	MT30 (d,2n+2α) >>

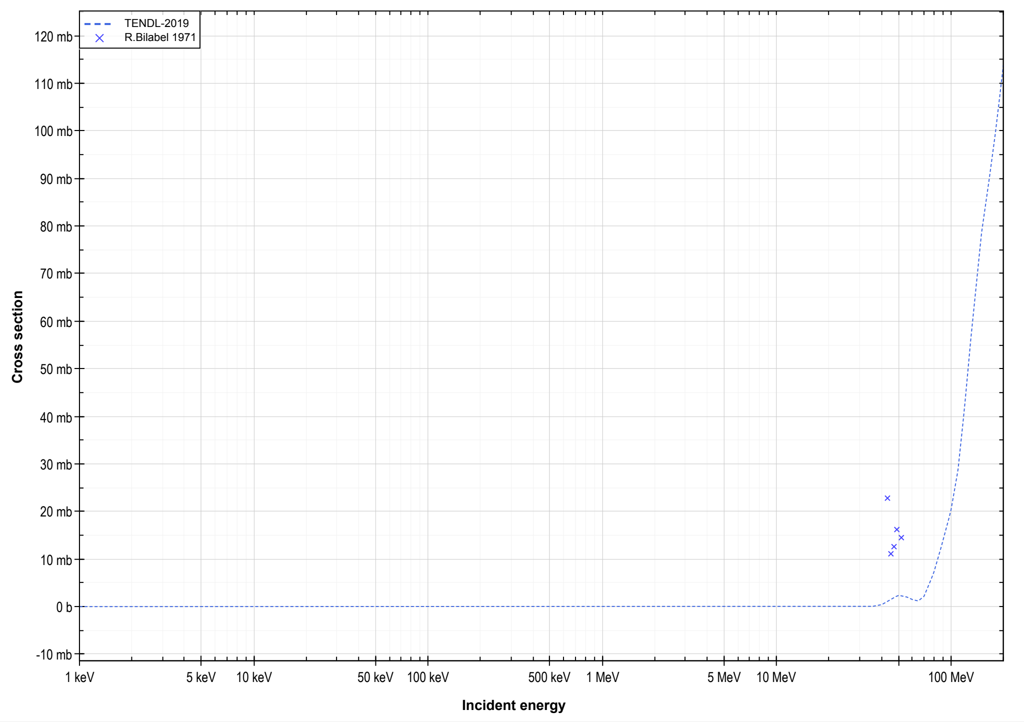




Reaction	Q-Value
Co59(d,n+t)Co57	-12769.51 keV
Co59(d,2n+d)Co57	-19026.73 keV
Co59(d,3n+p)Co57	-21251.30 keV

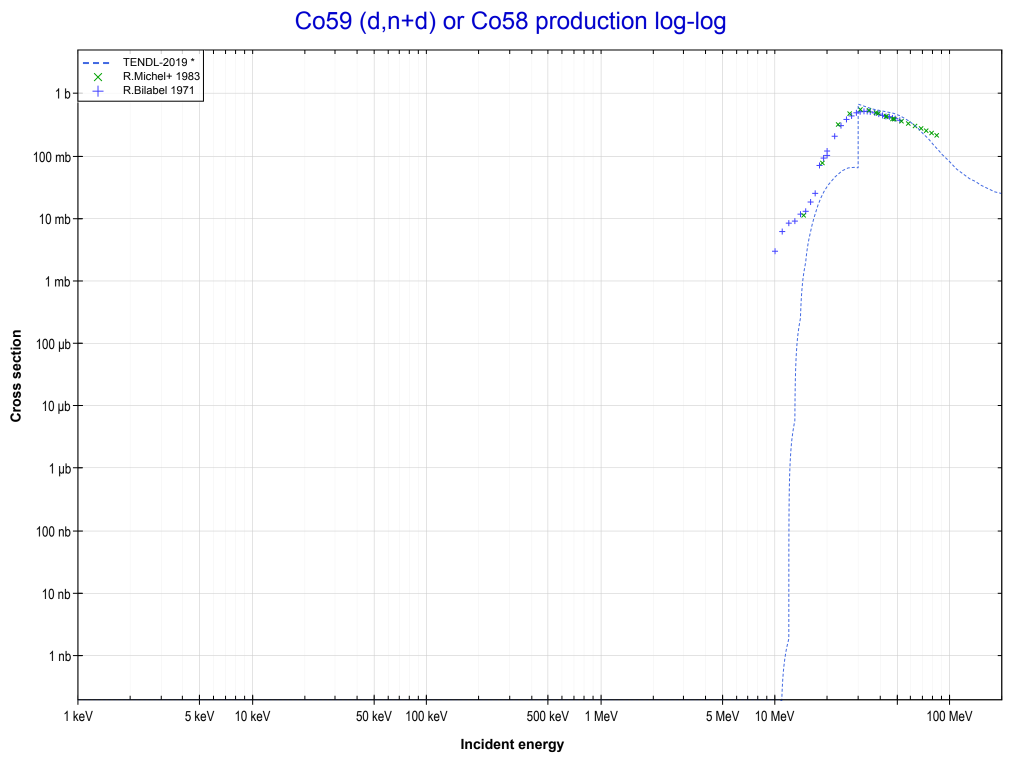
	27-Co-59	
<< MT11 (d,2n+d)	**MT30 (d,2n+2α) or MT5 (Cr51 production)**	MT32 (d,n+d) >>

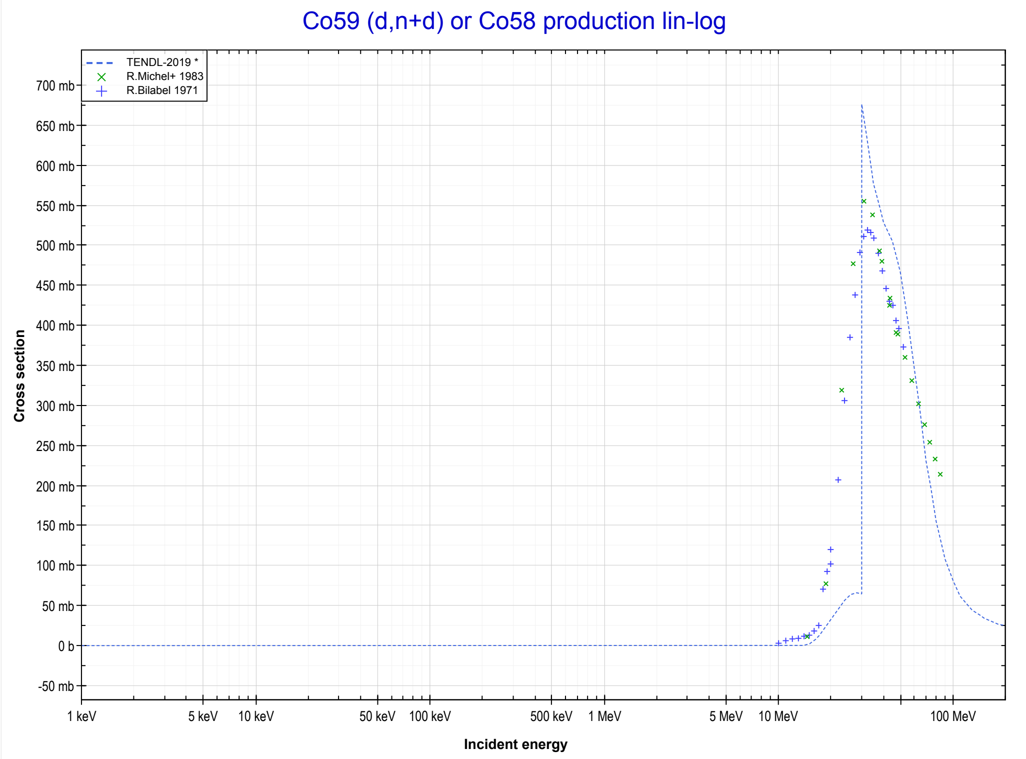




Reaction	Q-Value	Reaction	Q-Value
Co59(d,2n+2α)Cr51	-18635.04 keV	Co59(d,p+3t)Cr51	-49780.98 keV
Co59(d,2t+α)Cr51	-29967.11 keV	Co59(d,n+2t+He3)Cr51	-50544.73 keV
Co59(d,n+d+t+α)Cr51	-36224.34 keV	Co59(d,2d+2t)Cr51	-53813.64 keV
Co59(d,2n+p+t+α)Cr51	-38448.91 keV	Co59(d,n+p+d+2t)Cr51	-56038.21 keV
Co59(d,3n+He3+α)Cr51	-39212.66 keV	Co59(d,2n+d+t+He3)Cr51	-56801.96 keV
Co59(d,2n+2d+α)Cr51	-42481.57 keV	Co59(d,2n+2p+2t)Cr51	-58262.77 keV
Co59(d,3n+p+d+α)Cr51	-44706.14 keV	Co59(d,3n+p+t+He3)Cr51	-59026.53 keV
Co59(d,4n+2p+α)Cr51	-46930.70 keV	Co59(d,4n+2He3)Cr51	-59790.28 keV

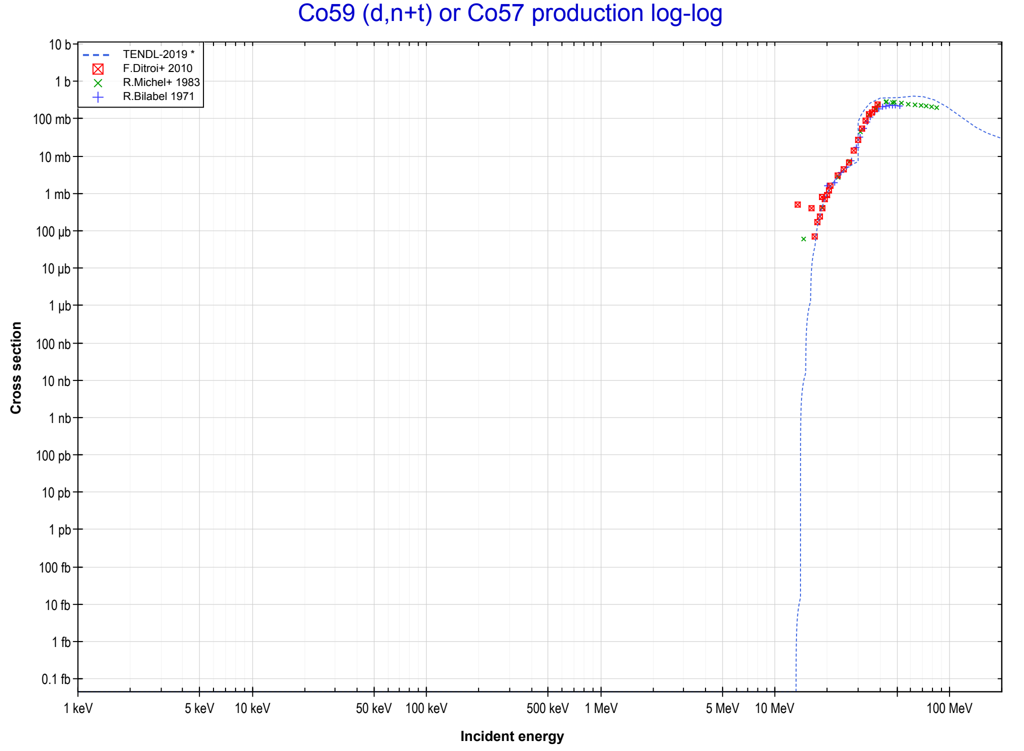
<< 25-Mn-55	**27-Co-59**	28-Ni-58 >>
<< MT30 (d,2n+2α)	**MT32 (d,n+d) or MT5 (Co58 production)**	MT33 (d,n+t) >>

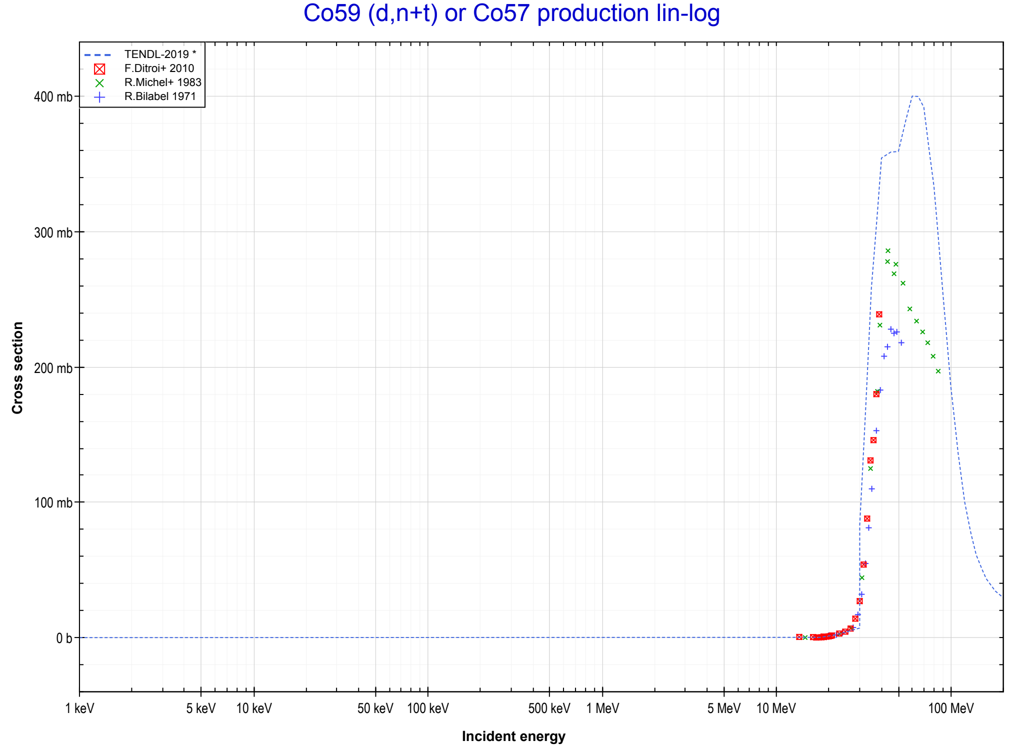




Reaction	Q-Value
Co59(d,t)Co58	-4196.59 keV
Co59(d,n+d)Co58	-10453.82 keV
Co59(d,2n+p)Co58	-12678.38 keV

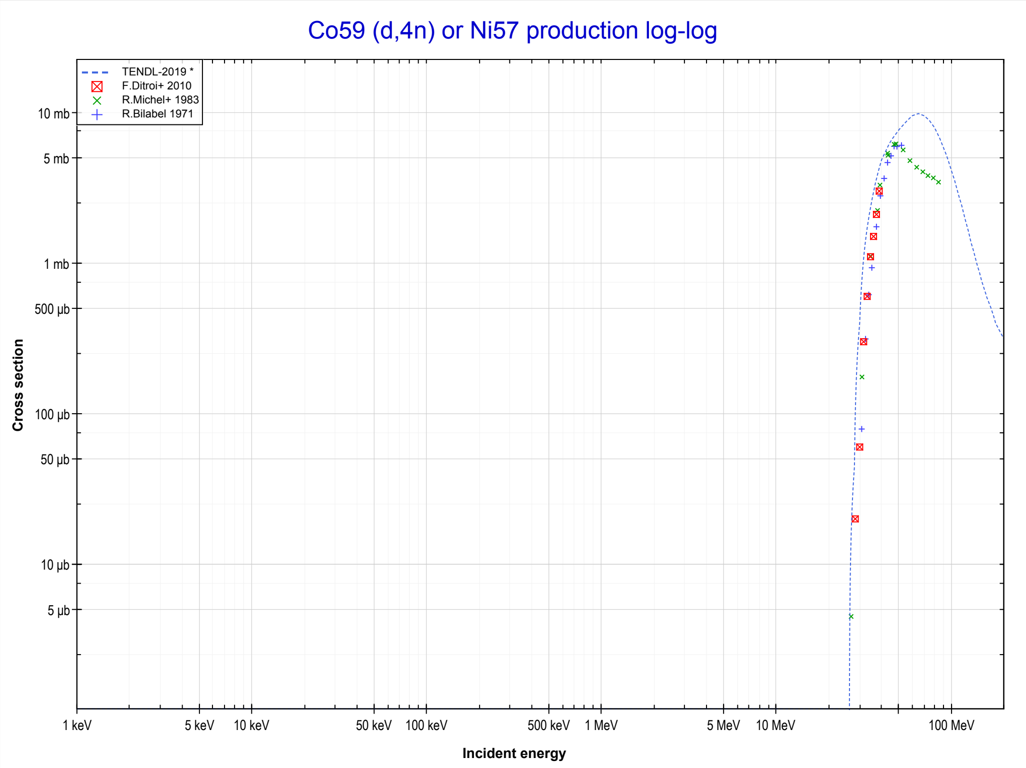
<< 23-V-51	**27-Co-59**	39-Y-89 >>
<< MT32 (d,n+d)	**MT33 (d,n+t) or MT5 (Co57 production)**	MT37 (d,4n) >>

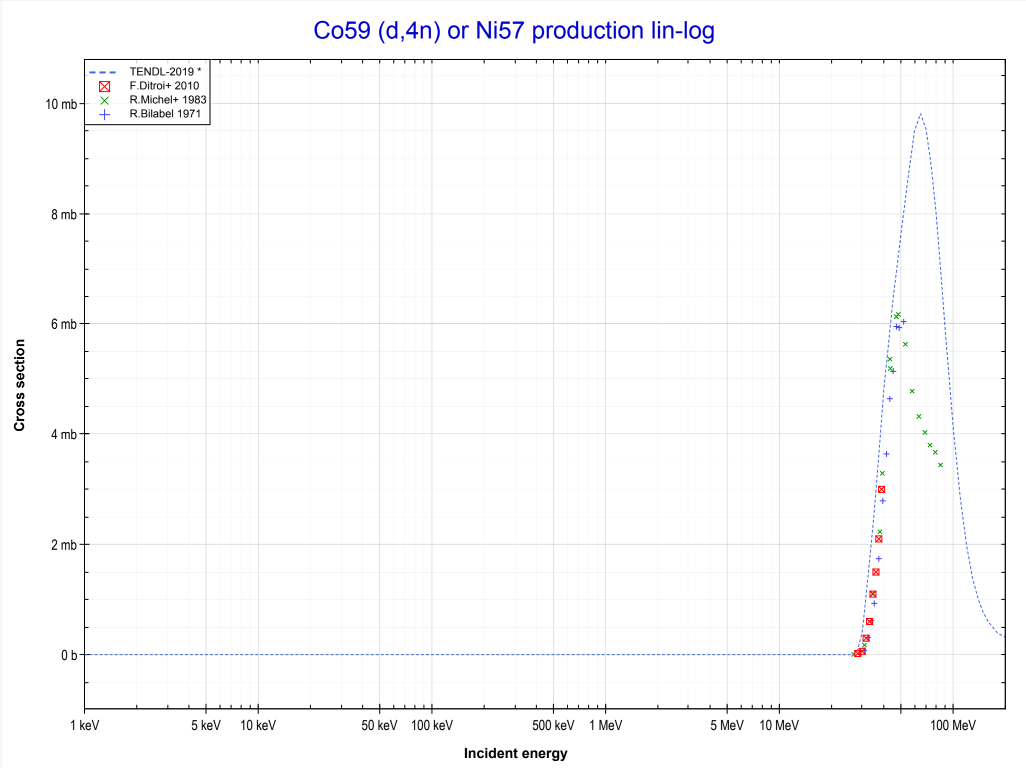




Reaction	Q-Value
Co59(d,n+t)Co57	-12769.51 keV
Co59(d,2n+d)Co57	-19026.73 keV
Co59(d,3n+p)Co57	-21251.30 keV

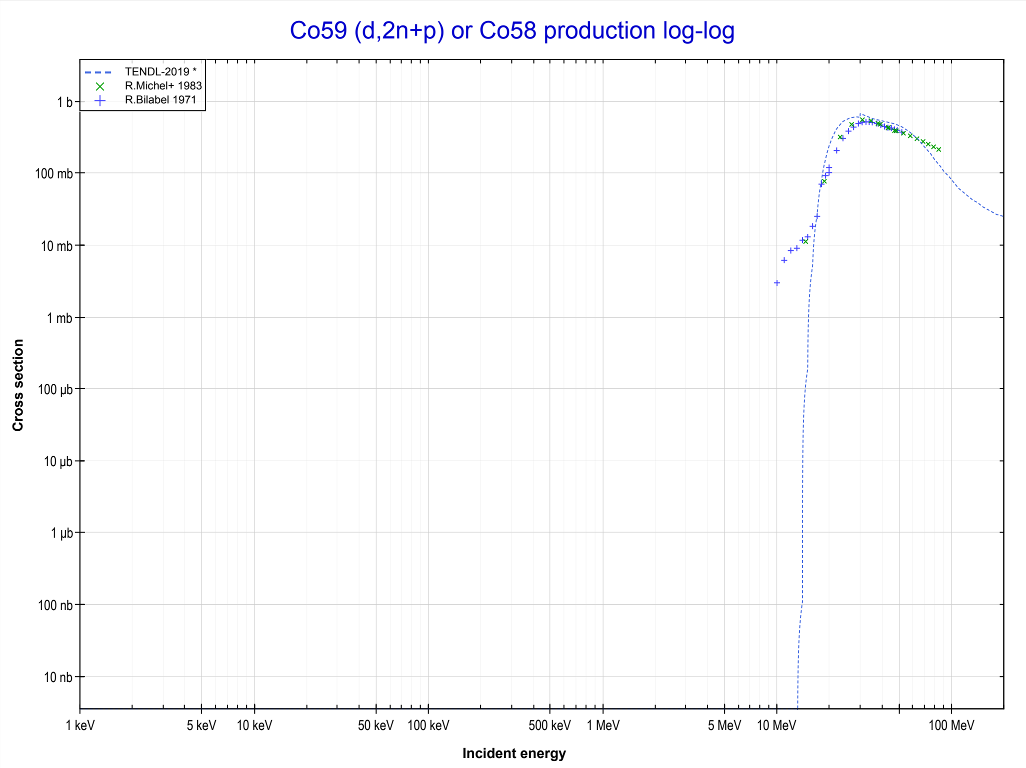
<< 23-V-51	**27-Co-59**	33-As-75 >>
<< MT33 (d,n+t)	**MT37 (d,4n) or MT5 (Ni57 production)**	MT41 (d,2n+p) >>

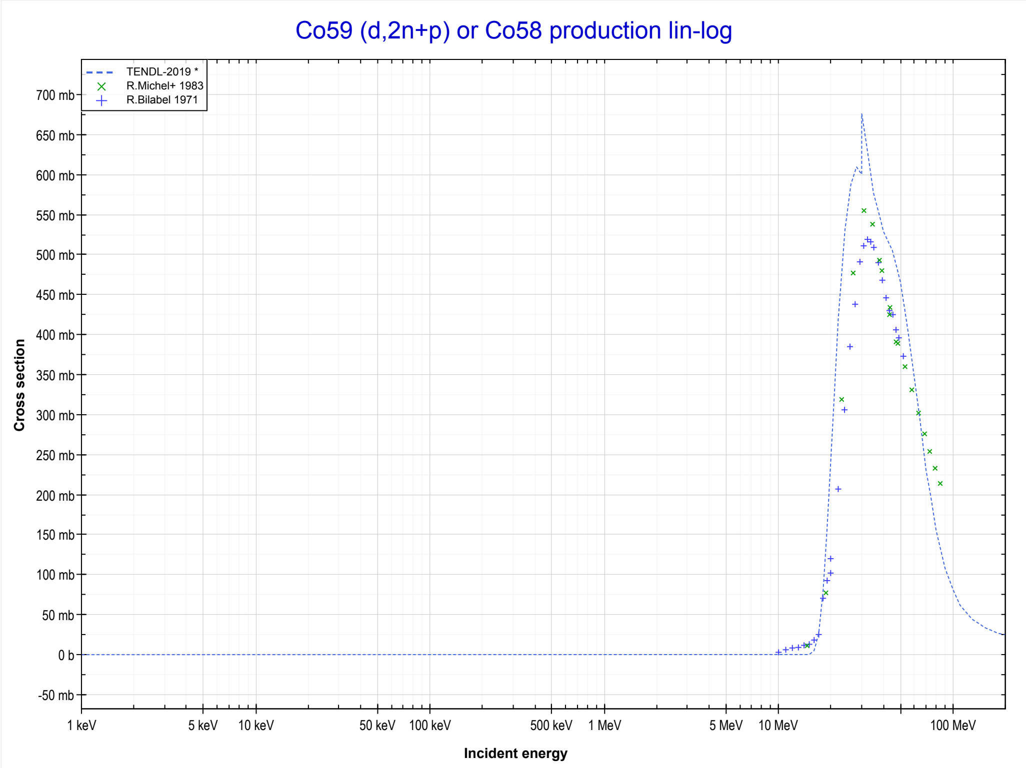




Reaction	Q-Value
Co59(d,4n)Ni57	-25295.45 keV

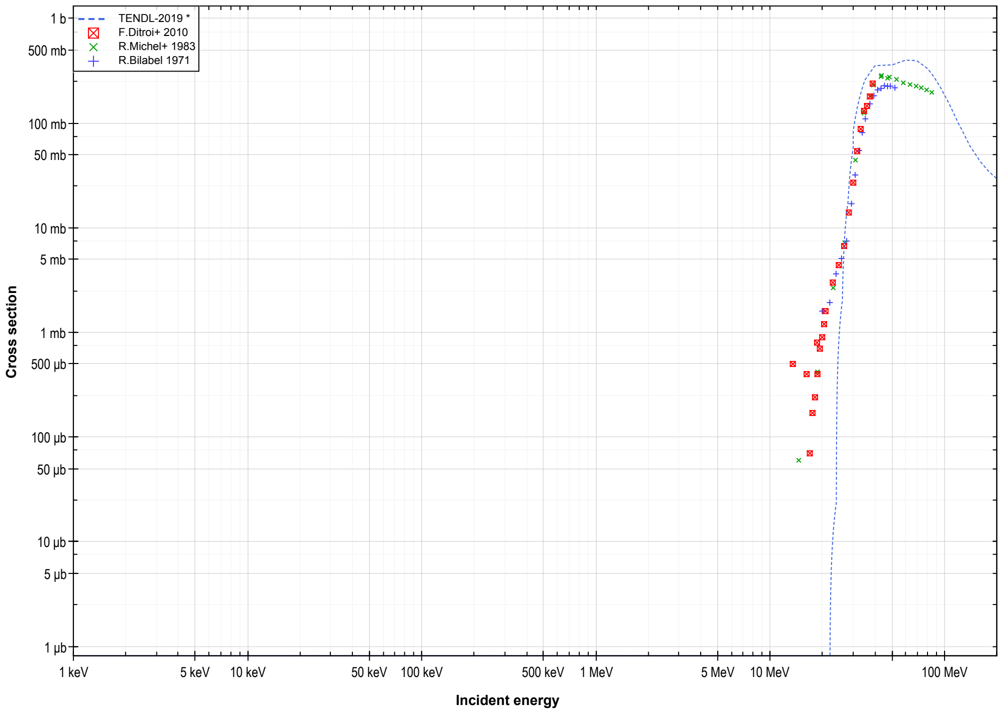
<< 25-Mn-55	**27-Co-59**	28-Ni-58 >>
<< MT37 (d,4n)	**MT41 (d,2n+p) or MT5 (Co58 production)**	MT42 (d,3n+p) >>



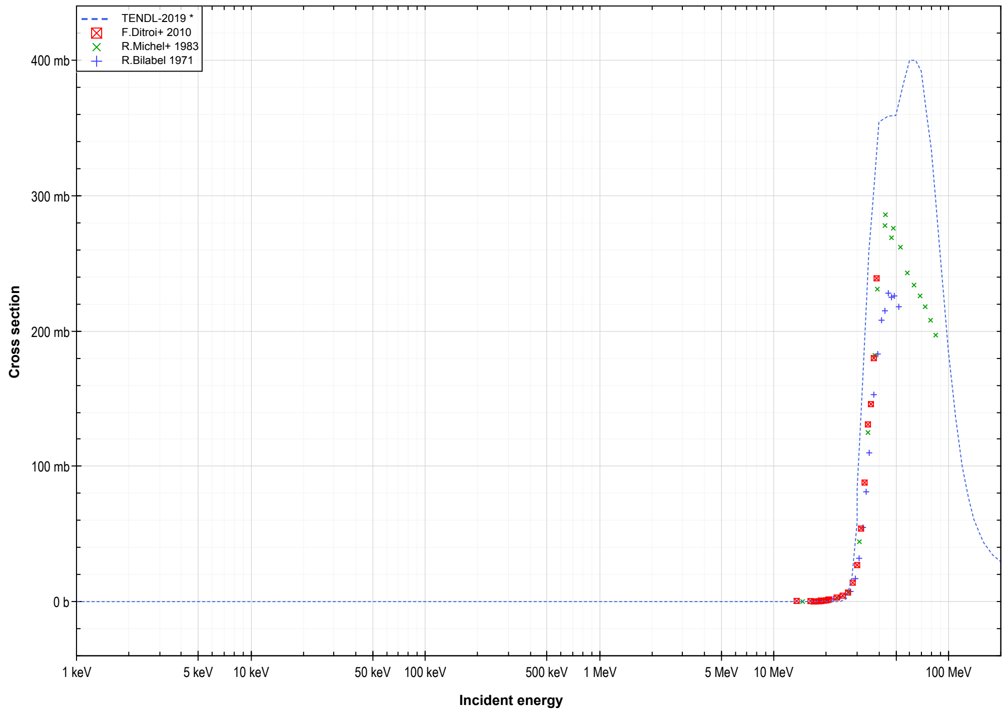


Reaction	Q-Value
Co59(d,t)Co58	-4196.59 keV
Co59(d,n+d)Co58	-10453.82 keV
Co59(d,2n+p)Co58	-12678.38 keV

Co59 (d,3n+p) or Co57 production log-log

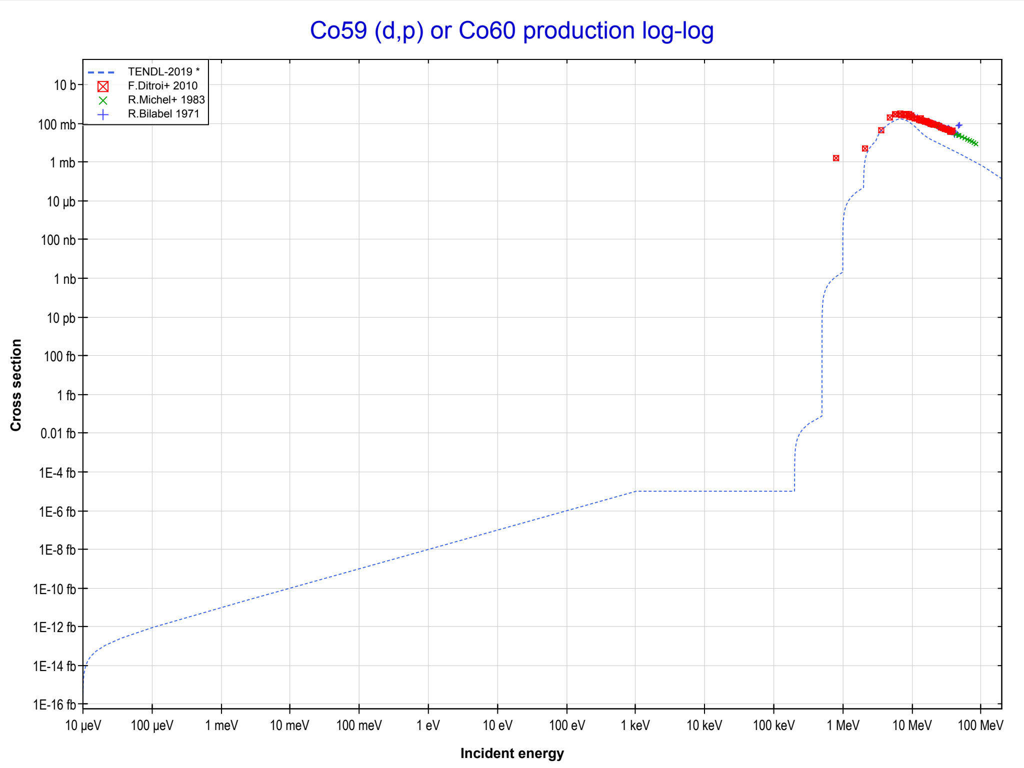


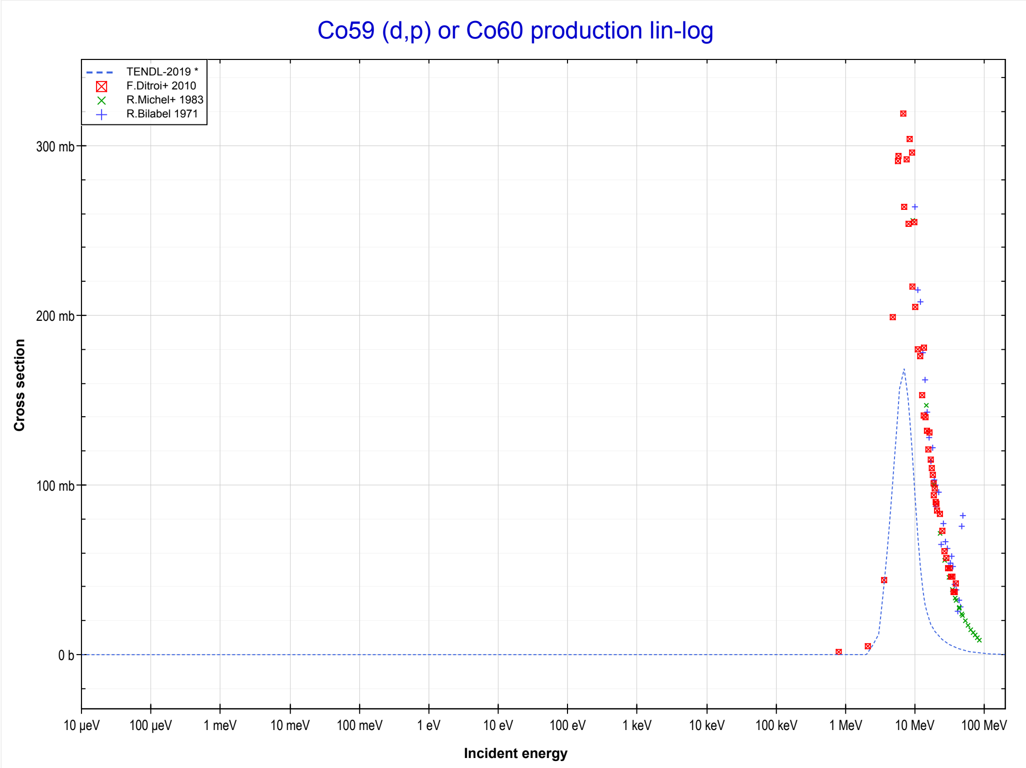
Co59 (d,3n+p) or Co57 production lin-log



Reaction	Q-Value
Co59(d,n+t)Co57	-12769.51 keV
Co59(d,2n+d)Co57	-19026.73 keV
Co59(d,3n+p)Co57	-21251.30 keV

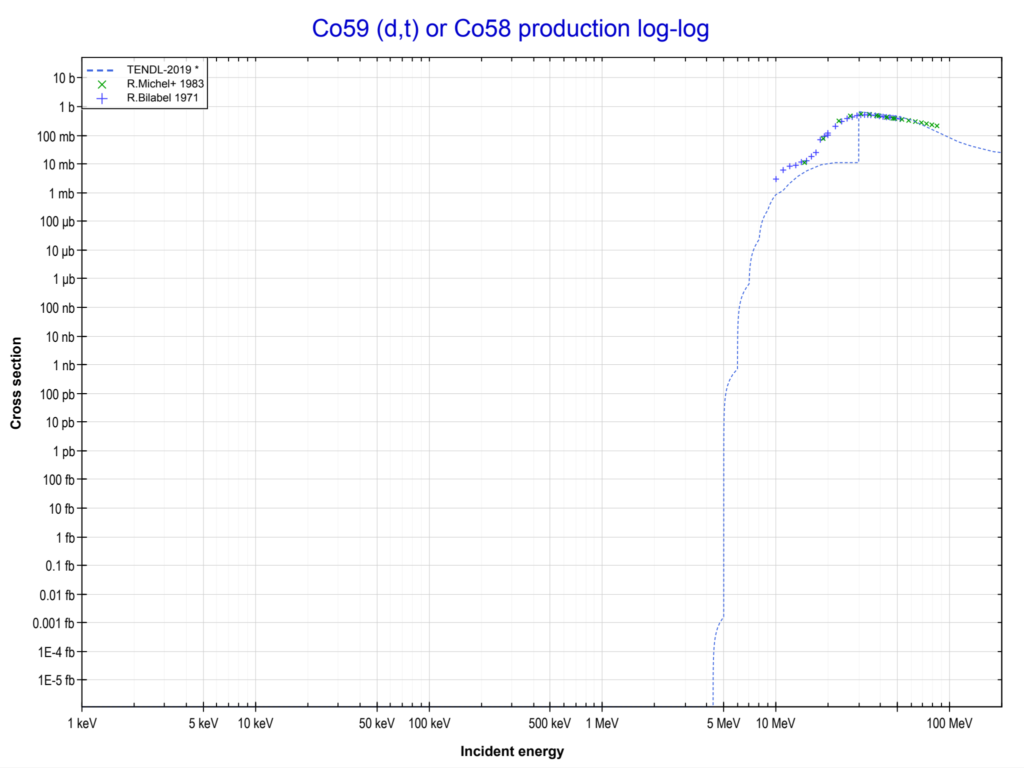
<< 26-Fe-58	**27-Co-59**	28-Ni-64 >>
<< MT42 (d,3n+p)	**MT103 (d,p) or MT5 (Co60 production)**	MT105 (d,t) >>

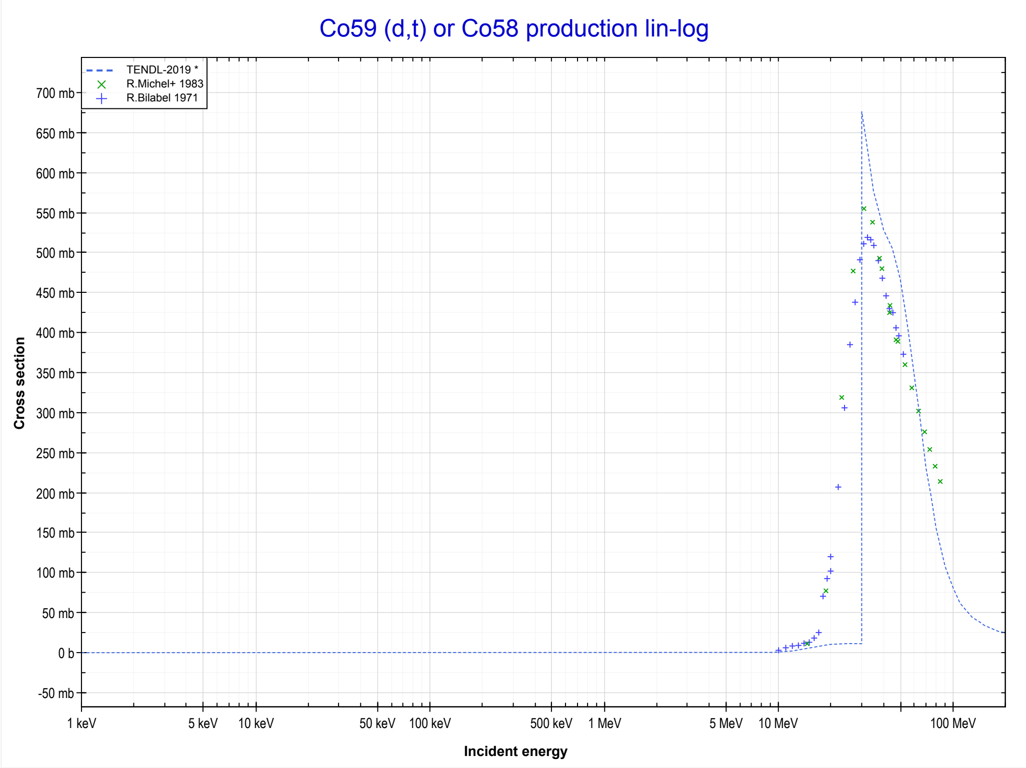




Reaction	Q-Value
Co59(d,p)Co60	5267.35 keV

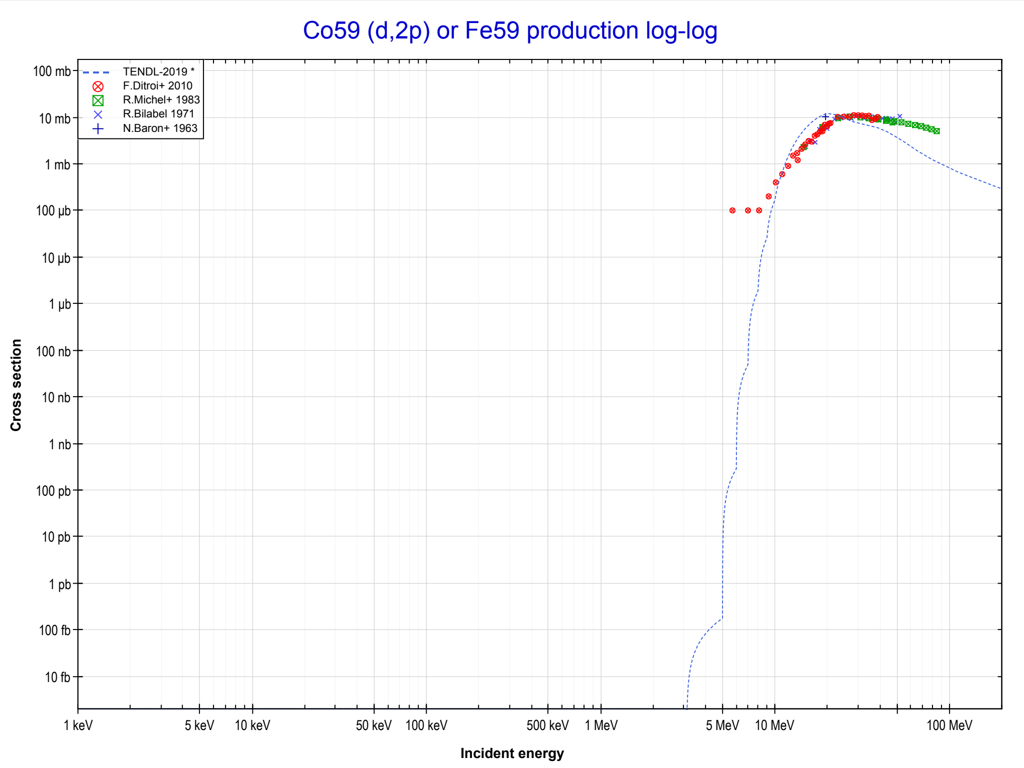
<< 26-Fe-54	**27-Co-59**	28-Ni-58 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Co58 production)**	MT111 (d,2p) >>

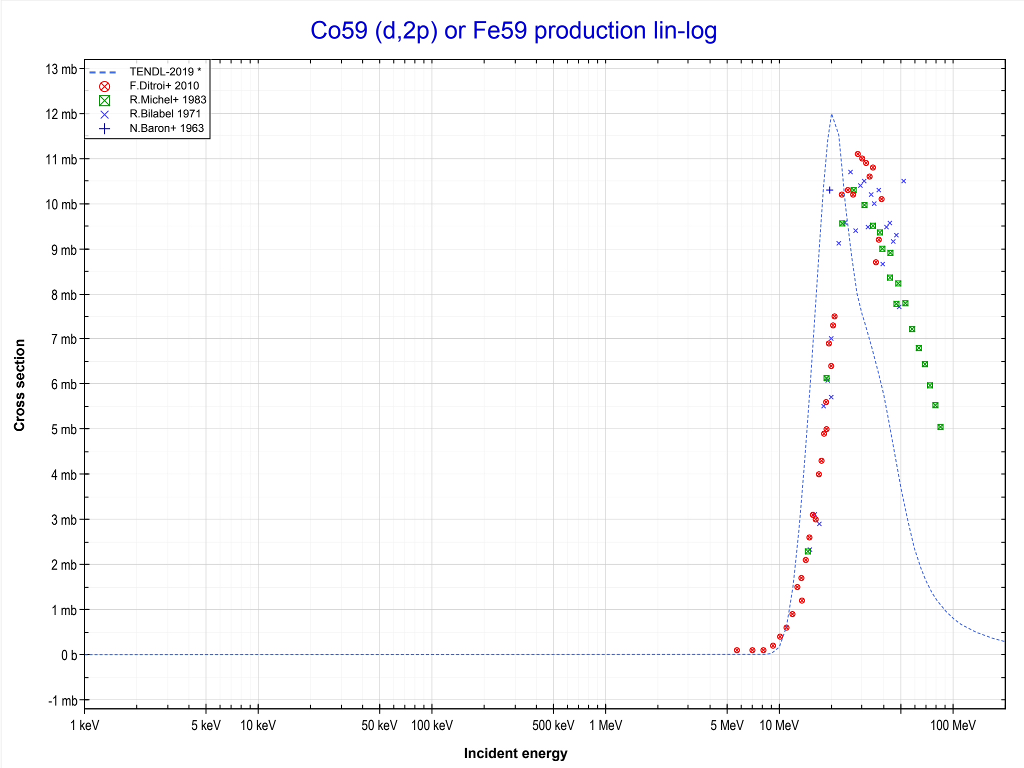




Reaction	Q-Value
Co59(d,t)Co58	-4196.59 keV
Co59(d,n+d)Co58	-10453.82 keV
Co59(d,2n+p)Co58	-12678.38 keV

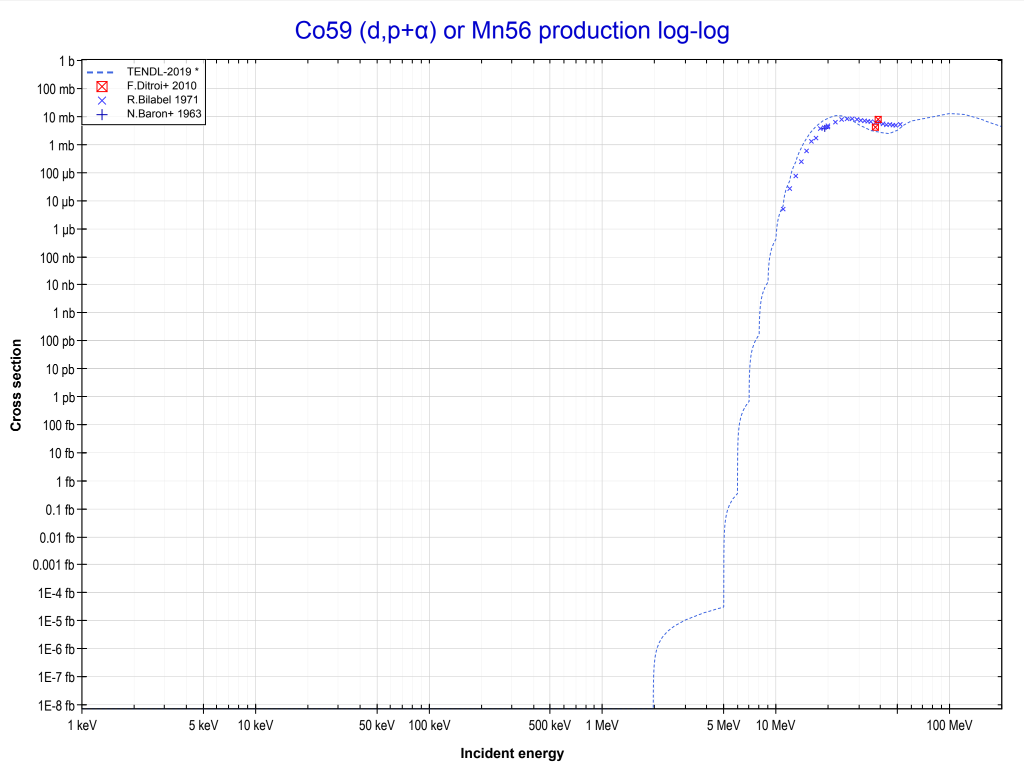
<< 26-Fe-56	**27-Co-59**	28-Ni-58 >>
<< MT105 (d,t)	**MT111 (d,2p) or MT5 (Fe59 production)**	MT112 (d,p+α) >>

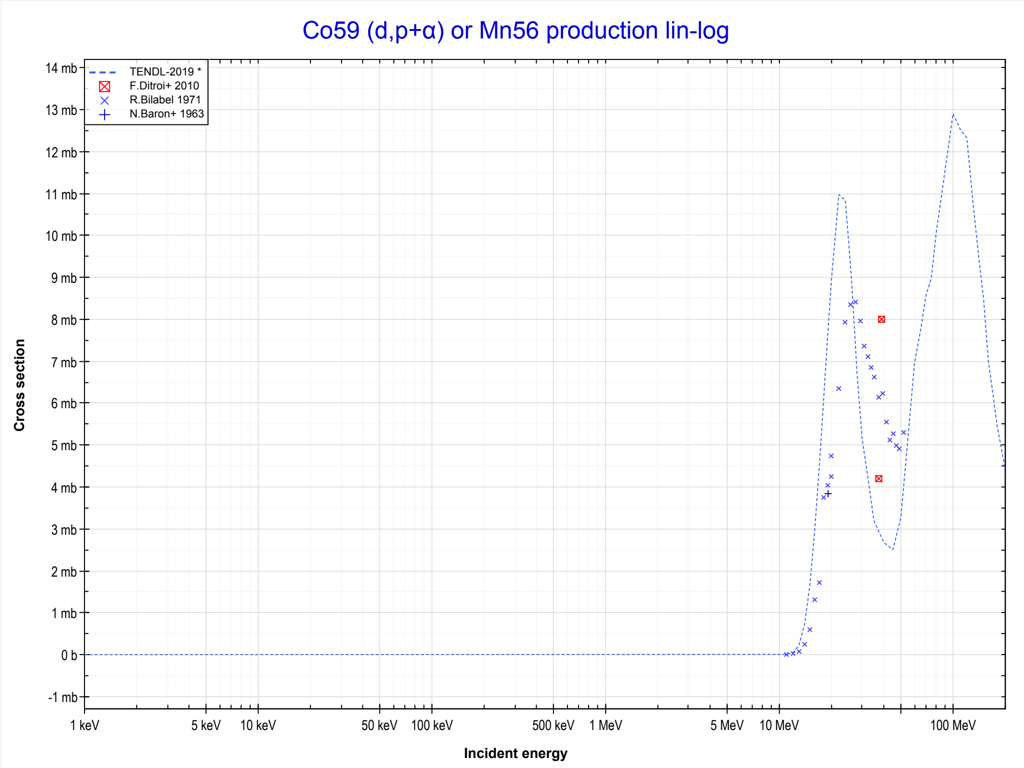




Reaction	Q-Value
Co59(d,2p)Fe59	-3007.12 keV

<< 23-V-51	**27-Co-59**	28-Ni-58 >>
<< MT111 (d,2p)	**MT112 (d,p+α) or MT5 (Mn56 production)**	MT152 (d,5n) >>

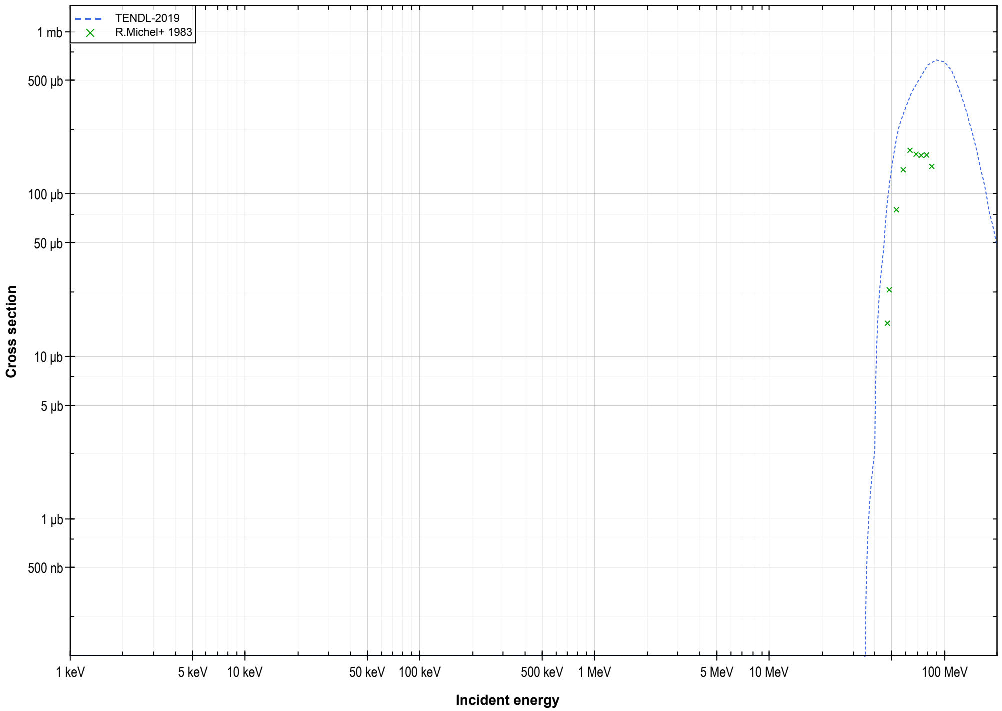




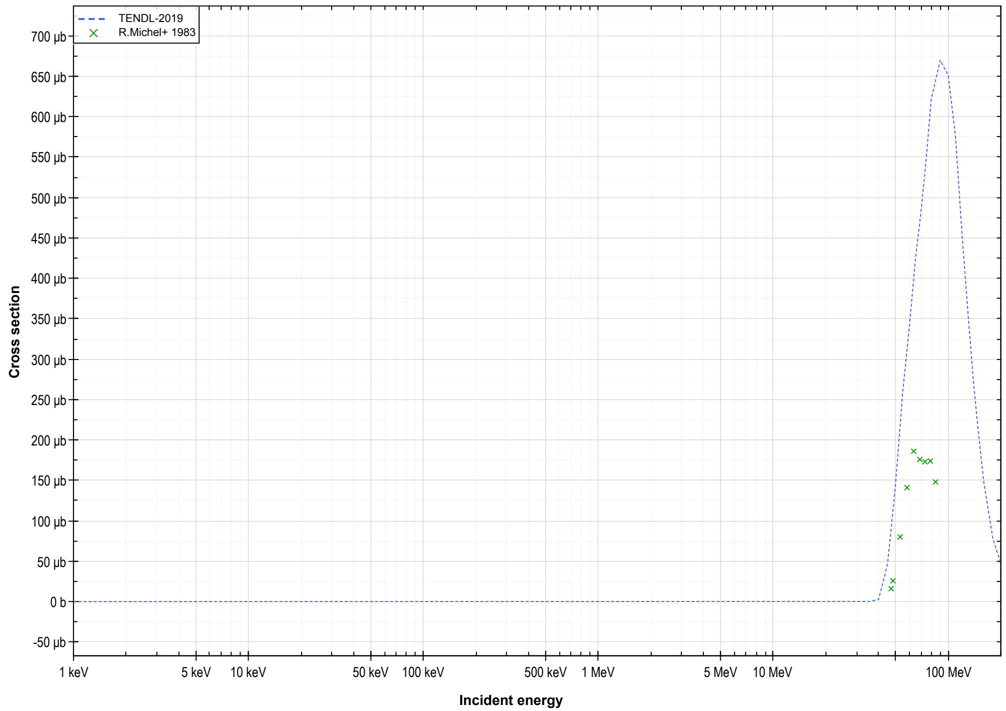
Reaction	Q-Value
Co59(d,p+α)Mn56	-1896.36 keV
Co59(d,d+He3)Mn56	-20249.42 keV
Co59(d,2p+t)Mn56	-21710.23 keV
Co59(d,n+p+He3)Mn56	-22473.98 keV
Co59(d,p+2d)Mn56	-25742.89 keV
Co59(d,n+2p+d)Mn56	-27967.46 keV
Co59(d,2n+3p)Mn56	-30192.02 keV

<< 23-V-51	27-Co-59	33-As-75 >>
<< MT112 (d,p+α)	**MT152 (d,5n) or MT5 (Ni56 production)**	MT154 (d,2n+t) >>

Co59 (d,5n) or Ni56 production log-log

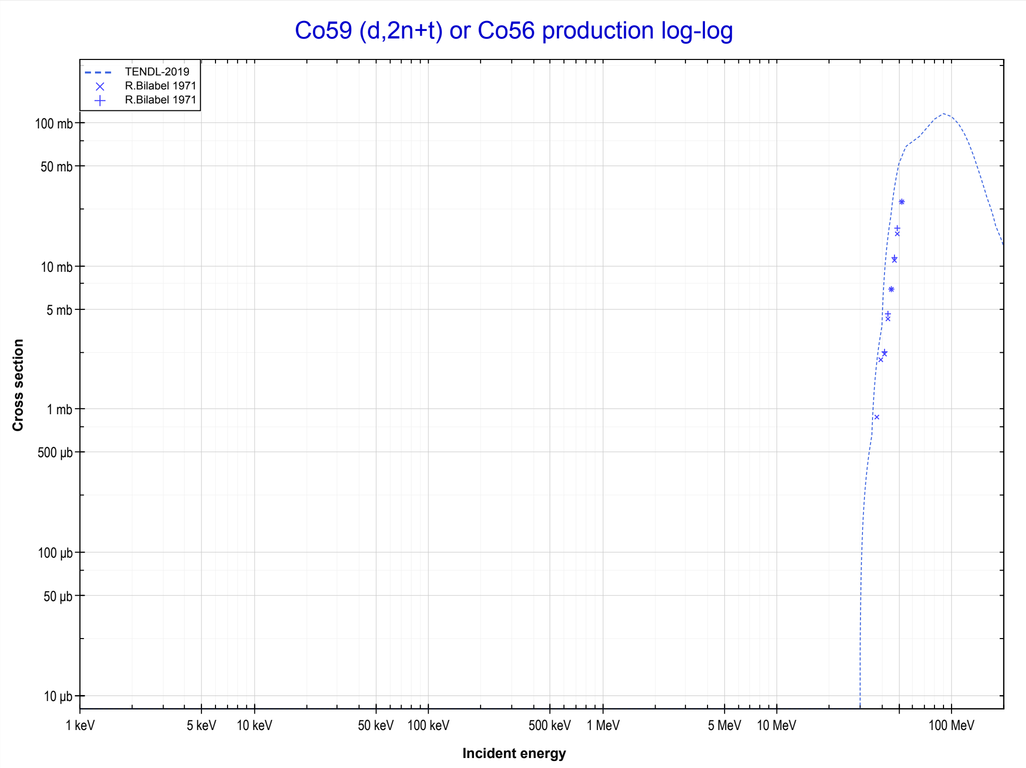


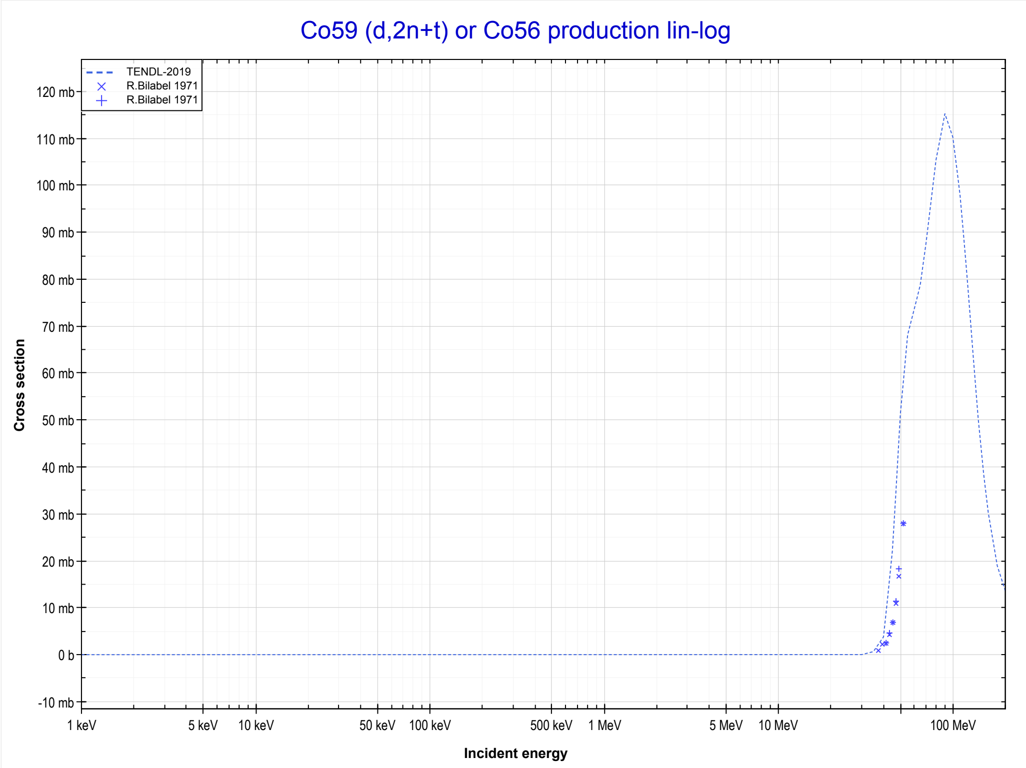
Co59 (d,5n) or Ni56 production lin-log



Reaction	Q-Value
Co59(d,5n)Ni56	-35543.06 keV

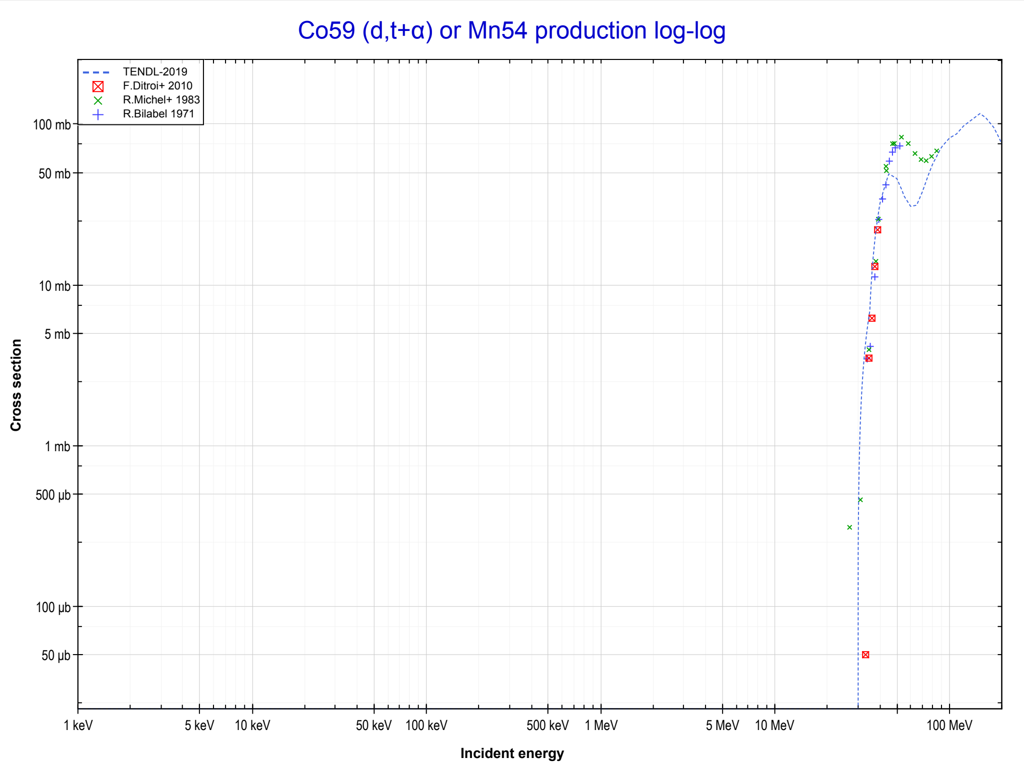
<< 25-Mn-55	**27-Co-59**	53-I-127 >>
<< MT152 (d,5n)	**MT154 (d,2n+t) or MT5 (Co56 production)**	MT155 (d,t+α) >>

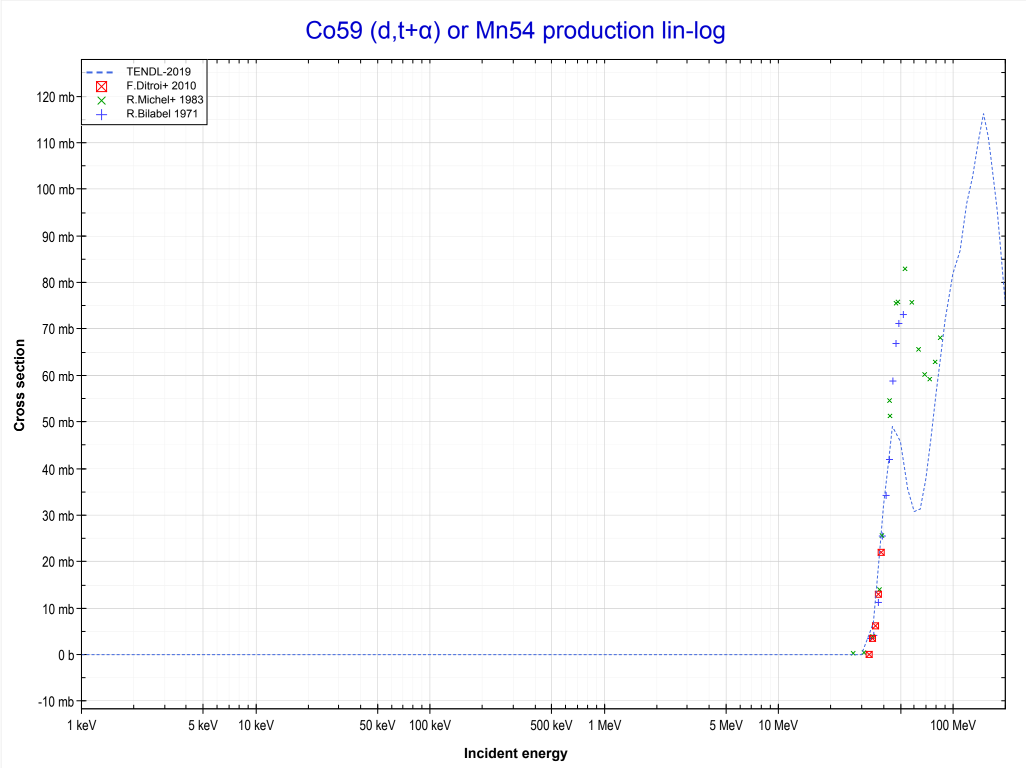




Reaction	Q-Value
Co59(d,2n+t)Co56	-24146.02 keV
Co59(d,3n+d)Co56	-30403.25 keV
Co59(d,4n+p)Co56	-32627.82 keV

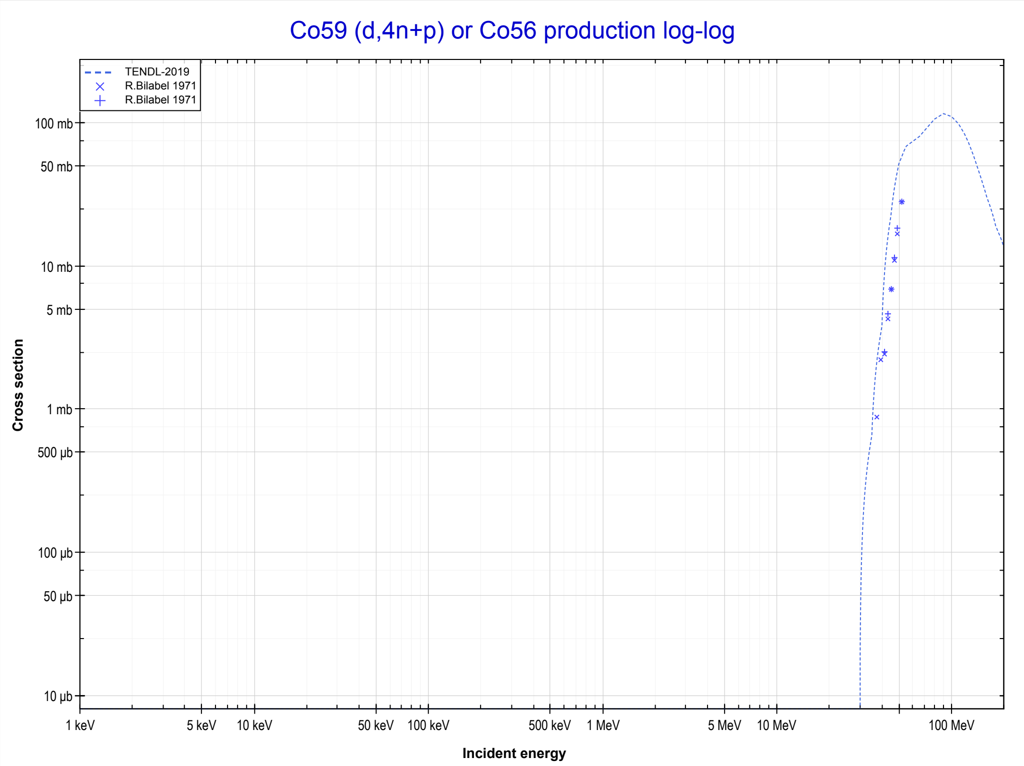
<< 23-V-51	**27-Co-59**	
<< MT154 (d,2n+t)	**MT155 (d,t+α) or MT5 (Mn54 production)**	MT156 (d,4n+p) >>

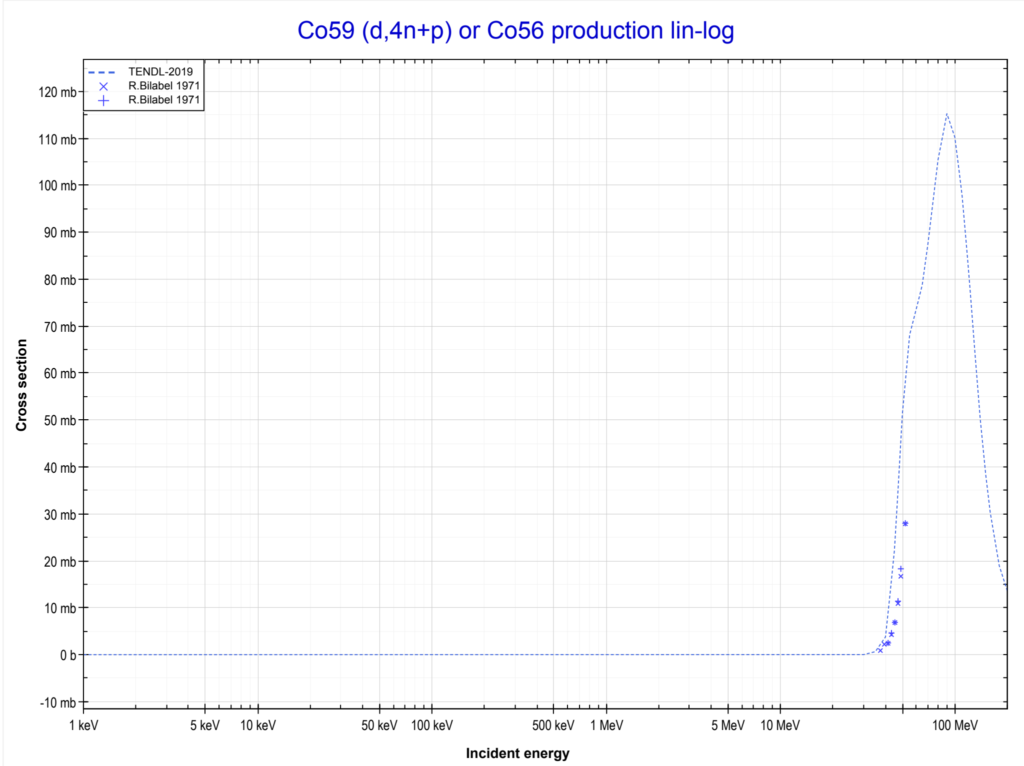




Reaction	Q-Value	Reaction	Q-Value
Co59(d,t+α)Mn54	-10911.10 keV	Co59(d,2n+2p+t)Mn54	-39206.76 keV
Co59(d,n+d+α)Mn54	-17168.33 keV	Co59(d,3n+p+He3)Mn54	-39970.52 keV
Co59(d,2n+p+α)Mn54	-19392.90 keV	Co59(d,n+3d)Mn54	-41014.86 keV
Co59(d,p+2t)Mn54	-30724.97 keV	Co59(d,2n+p+2d)Mn54	-43239.43 keV
Co59(d,n+t+He3)Mn54	-31488.72 keV	Co59(d,3n+2p+d)Mn54	-45463.99 keV
Co59(d,2d+t)Mn54	-34757.63 keV	Co59(d,4n+3p)Mn54	-47688.56 keV
Co59(d,n+p+d+t)Mn54	-36982.20 keV		
Co59(d,2n+d+He3)Mn54	-37745.95 keV		

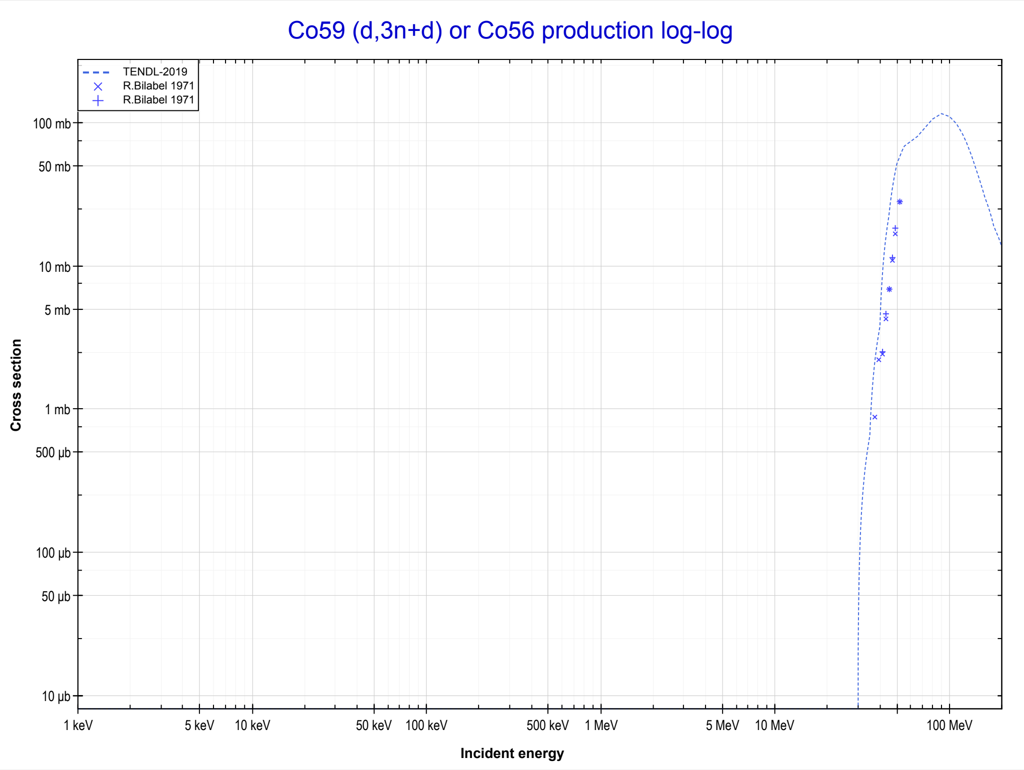
<< 25-Mn-55	**27-Co-59**	53-I-127 >>
<< MT155 (d,t+α)	**MT156 (d,4n+p) or MT5 (Co56 production)**	MT157 (d,3n+d) >>

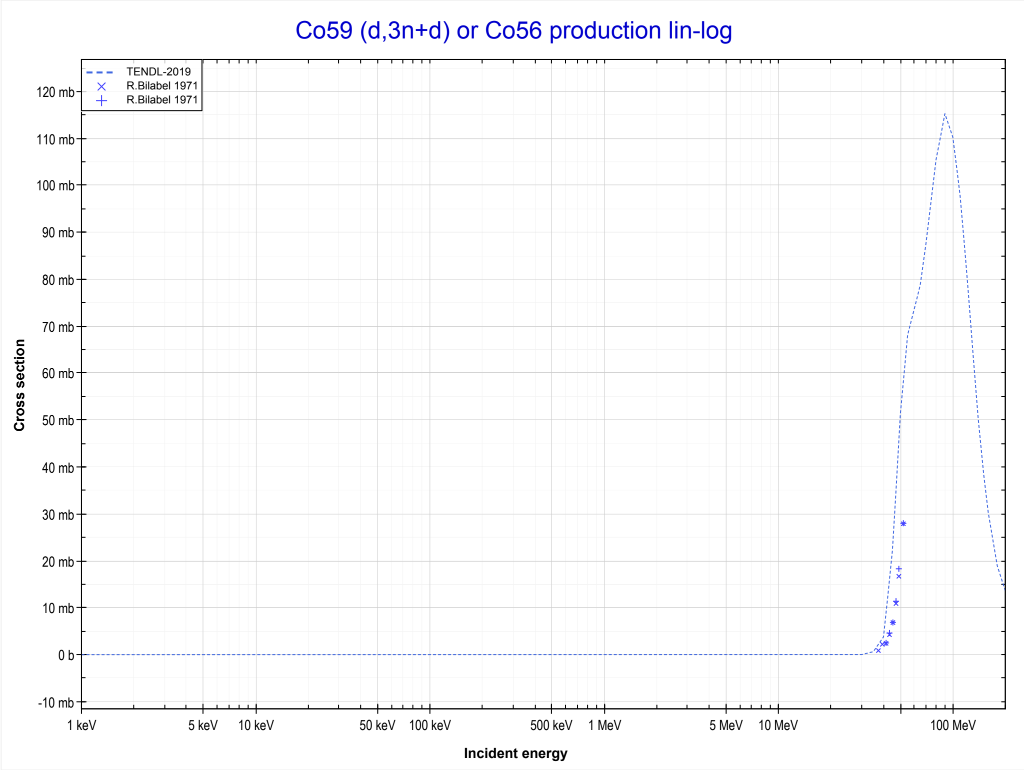




Reaction	Q-Value
Co59(d,2n+t)Co56	-24146.02 keV
Co59(d,3n+d)Co56	-30403.25 keV
Co59(d,4n+p)Co56	-32627.82 keV

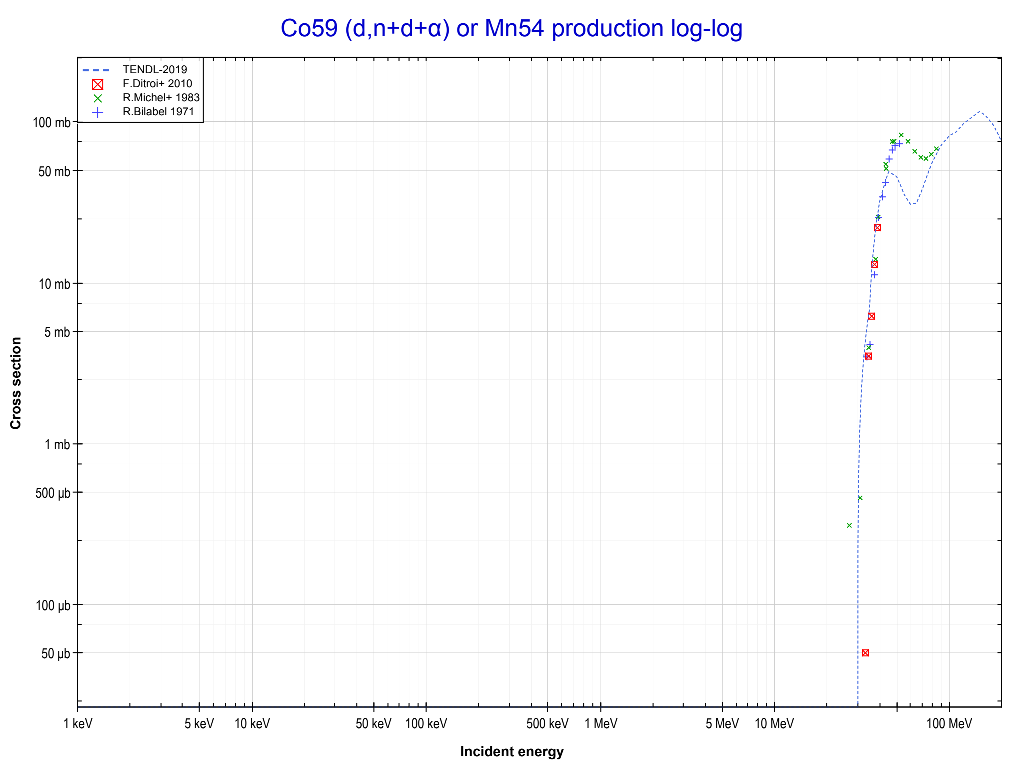
<< 25-Mn-55	**27-Co-59**	53-I-127 >>
<< MT156 (d,4n+p)	**MT157 (d,3n+d) or MT5 (Co56 production)**	MT158 (d,n+d+α) >>

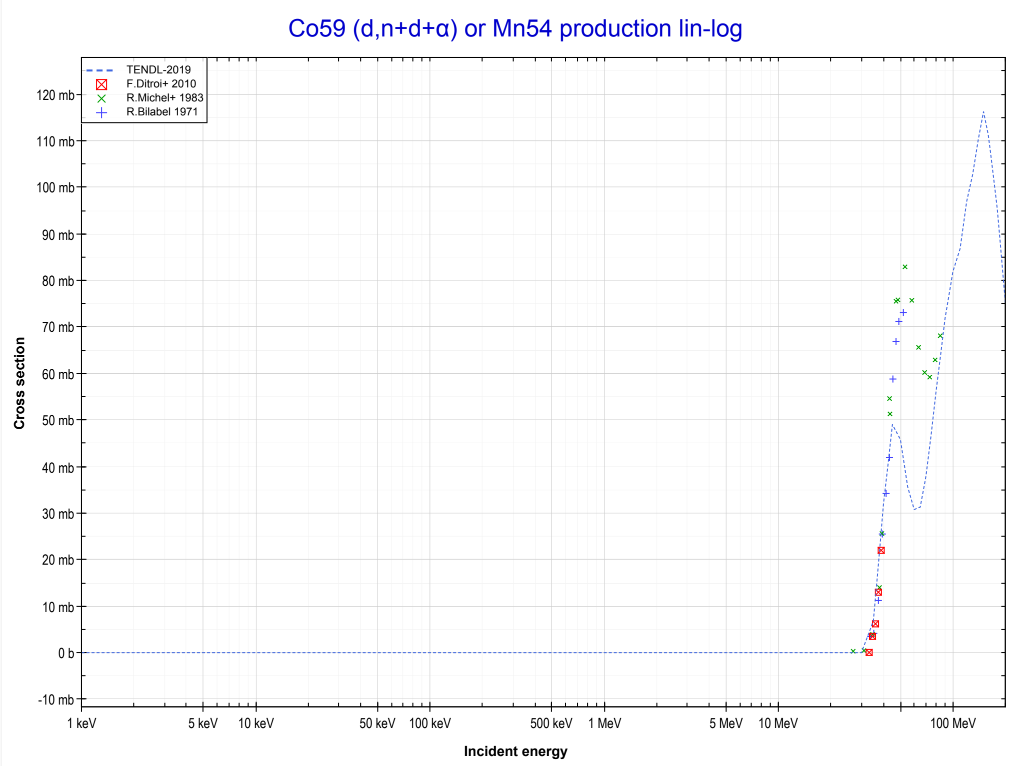




Reaction	Q-Value
Co59(d,2n+t)Co56	-24146.02 keV
Co59(d,3n+d)Co56	-30403.25 keV
Co59(d,4n+p)Co56	-32627.82 keV

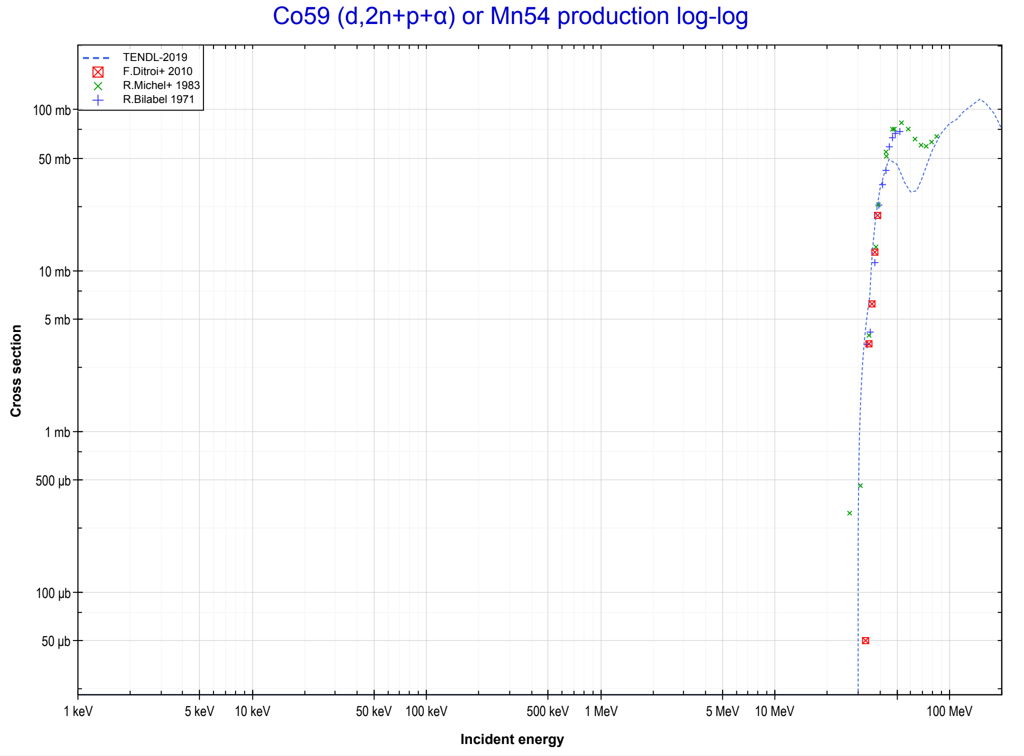
<< 23-V-51	**27-Co-59**	
<< MT157 (d,3n+d)	**MT158 (d,n+d+α) or MT5 (Mn54 production)**	MT159 (d,2n+p+α) >>

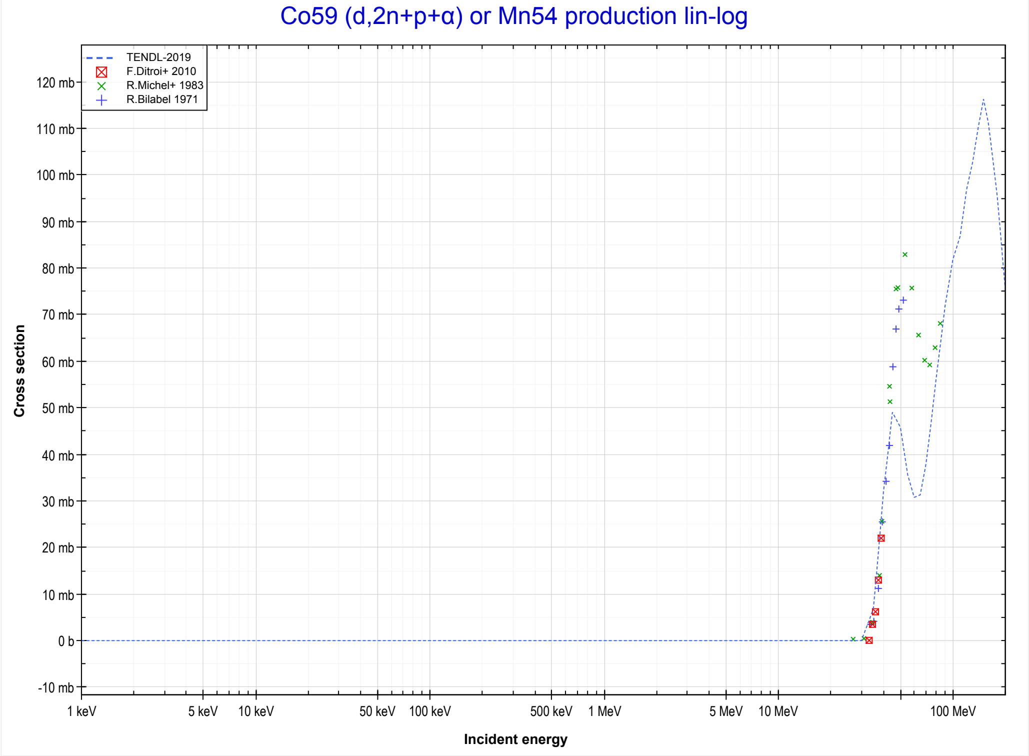




Reaction	Q-Value	Reaction	Q-Value
Co59(d,t+α)Mn54	-10911.10 keV	Co59(d,2n+2p+t)Mn54	-39206.76 keV
Co59(d,n+d+α)Mn54	-17168.33 keV	Co59(d,3n+p+He3)Mn54	-39970.52 keV
Co59(d,2n+p+α)Mn54	-19392.90 keV	Co59(d,n+3d)Mn54	-41014.86 keV
Co59(d,p+2t)Mn54	-30724.97 keV	Co59(d,2n+p+2d)Mn54	-43239.43 keV
Co59(d,n+t+He3)Mn54	-31488.72 keV	Co59(d,3n+2p+d)Mn54	-45463.99 keV
Co59(d,2d+t)Mn54	-34757.63 keV	Co59(d,4n+3p)Mn54	-47688.56 keV
Co59(d,n+p+d+t)Mn54	-36982.20 keV		
Co59(d,2n+d+He3)Mn54	-37745.95 keV		

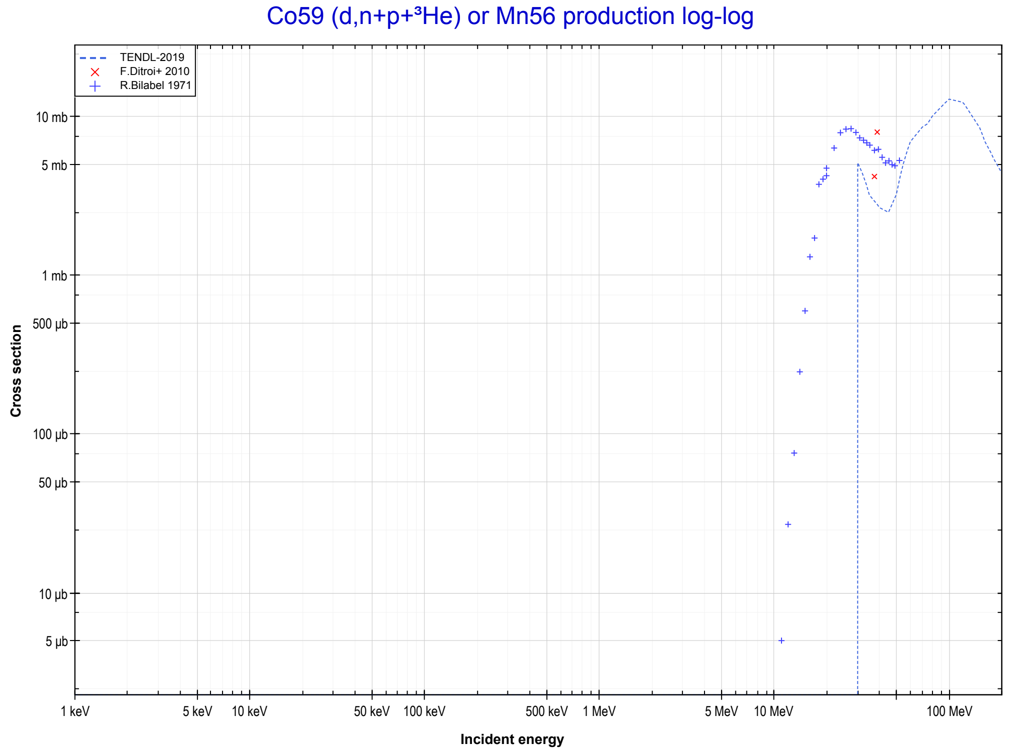
<< 23-V-51	**27-Co-59**	
<< MT158 (d,n+d+α)	**MT159 (d,2n+p+α) or MT5 (Mn54 production)**	MT186 (d,n+p+³He) >>

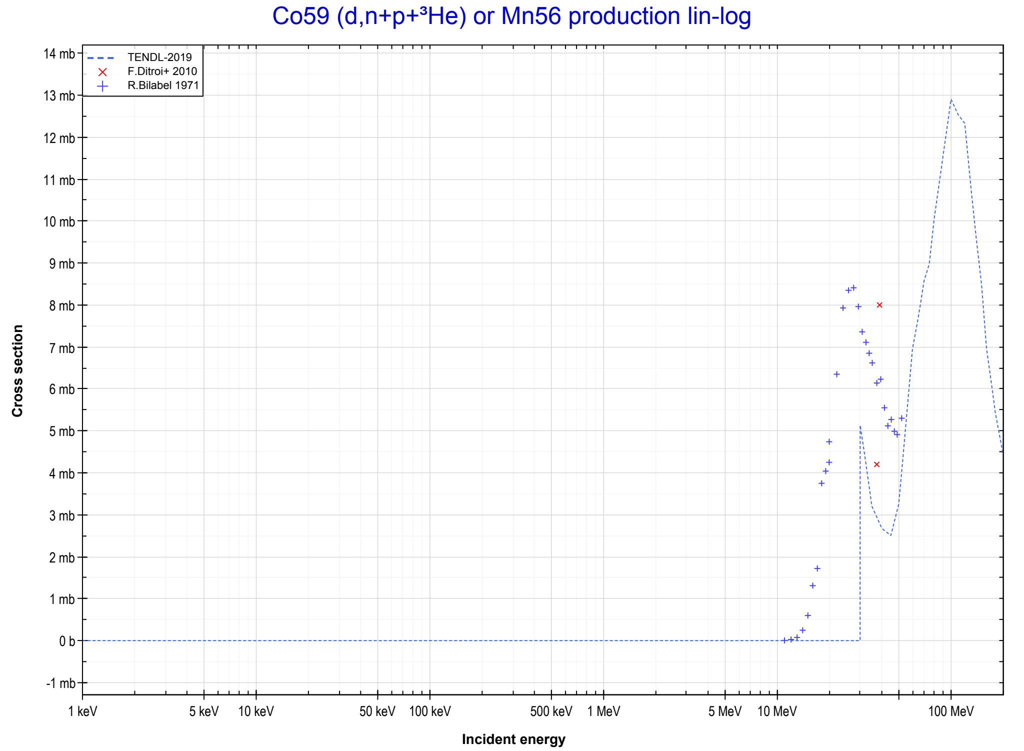




Reaction	Q-Value	Reaction	Q-Value
Co59(d,t+α)Mn54	-10911.10 keV	Co59(d,2n+2p+t)Mn54	-39206.76 keV
Co59(d,n+d+α)Mn54	-17168.33 keV	Co59(d,3n+p+He3)Mn54	-39970.52 keV
Co59(d,2n+p+α)Mn54	-19392.90 keV	Co59(d,n+3d)Mn54	-41014.86 keV
Co59(d,p+2t)Mn54	-30724.97 keV	Co59(d,2n+p+2d)Mn54	-43239.43 keV
Co59(d,n+t+He3)Mn54	-31488.72 keV	Co59(d,3n+2p+d)Mn54	-45463.99 keV
Co59(d,2d+t)Mn54	-34757.63 keV	Co59(d,4n+3p)Mn54	-47688.56 keV
Co59(d,n+p+d+t)Mn54	-36982.20 keV		
Co59(d,2n+d+He3)Mn54	-37745.95 keV		

<< 23-V-51	**27-Co-59**	
<< MT159 (d,2n+p+α)	**MT186 (d,n+p+³He) or MT5 (Mn56 production)**	MT188 (d,n+t+³He) >>

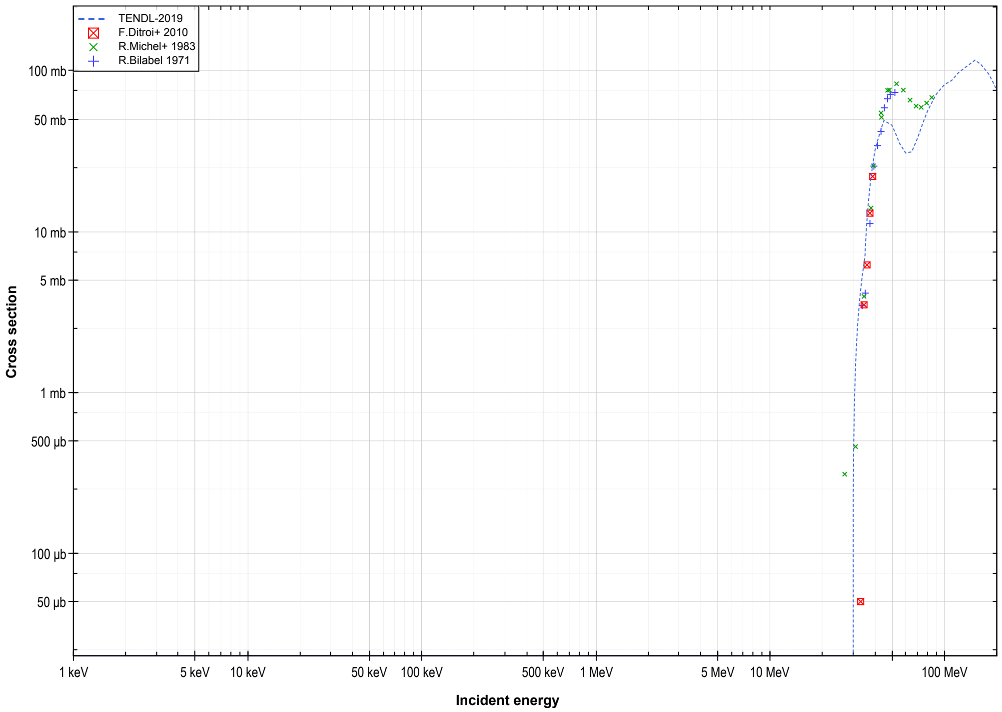




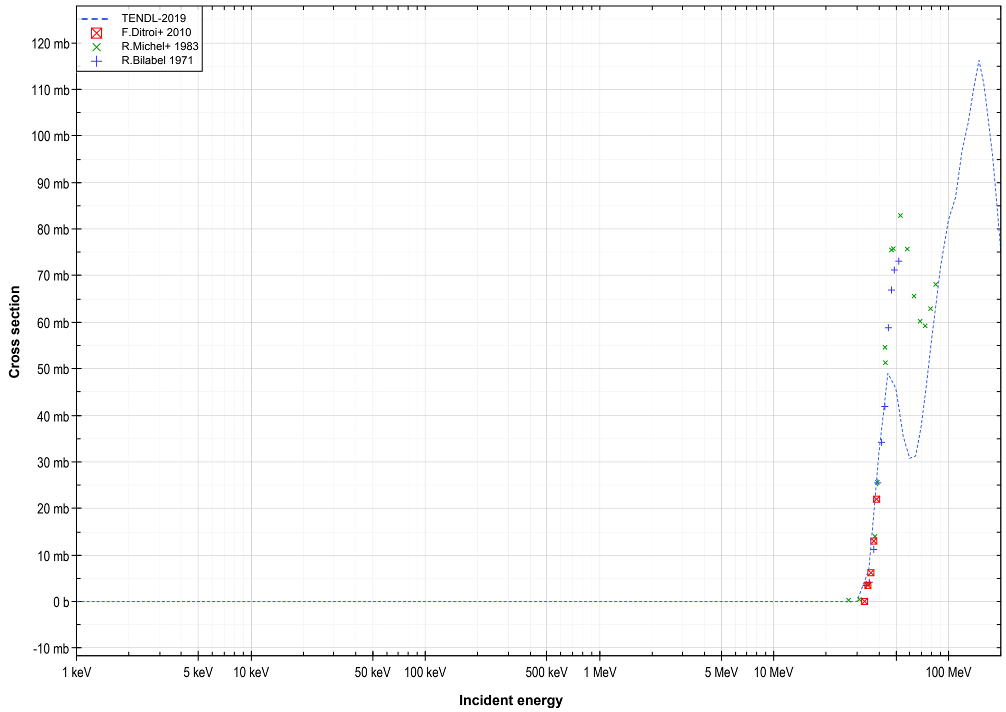
Reaction	Q-Value
Co59(d,p+α)Mn56	-1896.36 keV
Co59(d,d+He3)Mn56	-20249.42 keV
Co59(d,2p+t)Mn56	-21710.23 keV
Co59(d,n+p+He3)Mn56	-22473.98 keV
Co59(d,p+2d)Mn56	-25742.89 keV
Co59(d,n+2p+d)Mn56	-27967.46 keV
Co59(d,2n+3p)Mn56	-30192.02 keV

<< 23-V-51	**27-Co-59**	
<< MT186 (d,n+p+³He)	**MT188 (d,n+t+³He) or MT5 (Mn54 production)**	MT192 (d,d+³He) >>

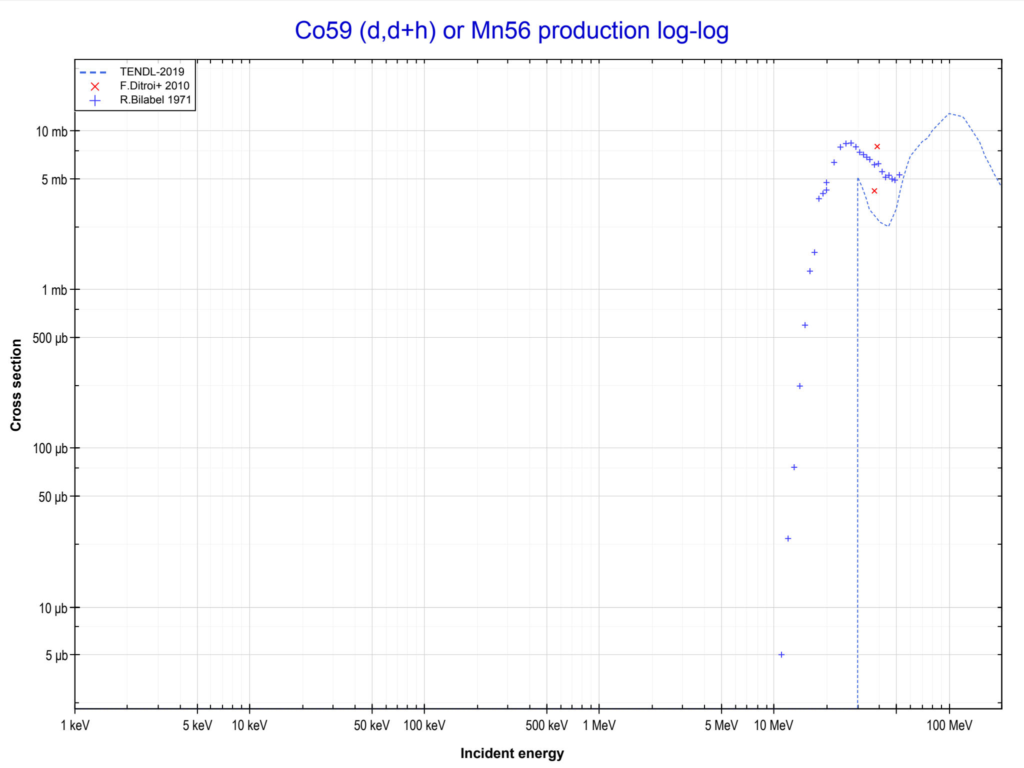
Co59 (d,n+t+³He) or Mn54 production log-log

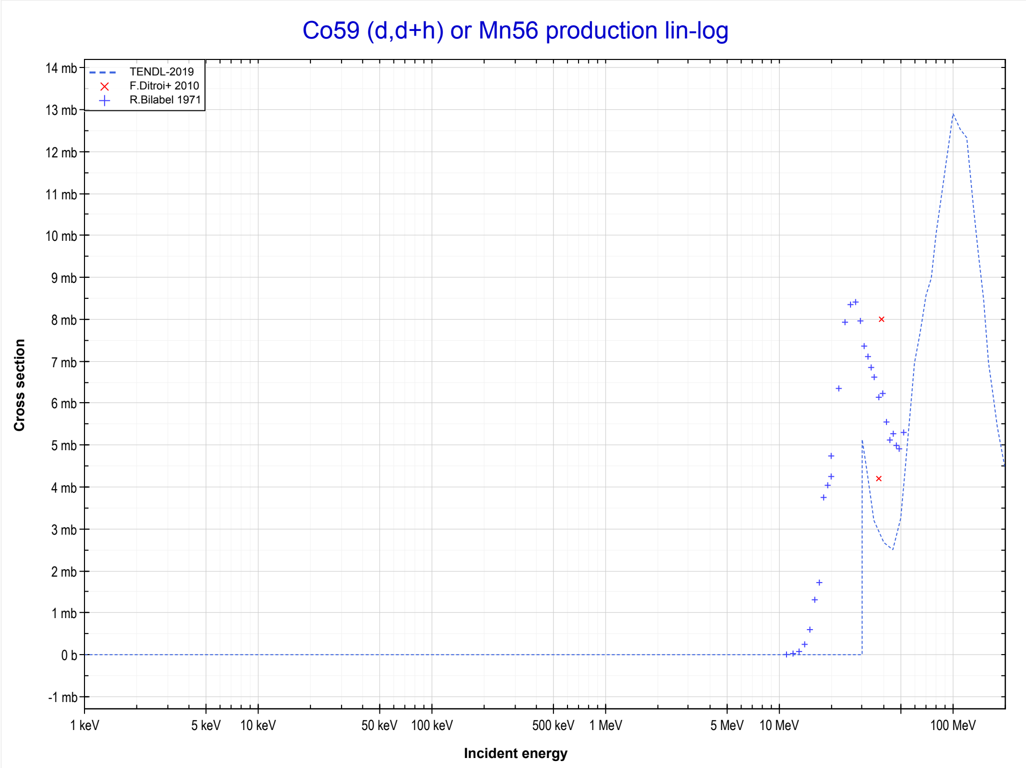


Co59 (d,n+t+³He) or Mn54 production lin-log



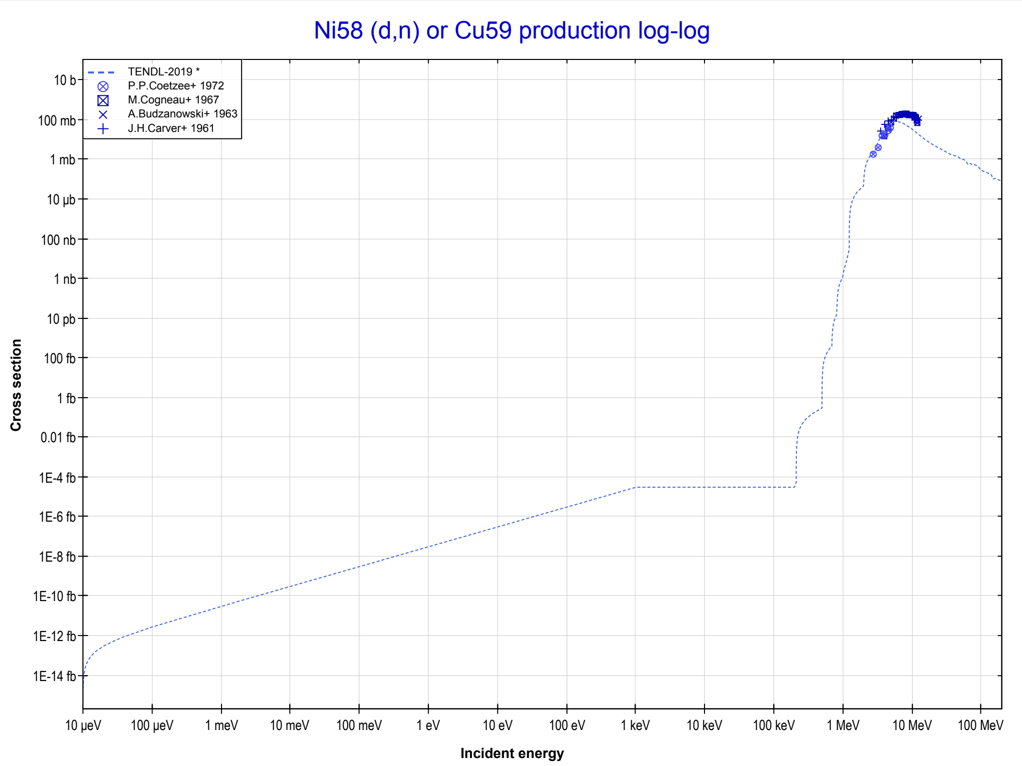
Reaction	Q-Value	Reaction	Q-Value
Co59(d,t+α)Mn54	-10911.10 keV	Co59(d,2n+2p+t)Mn54	-39206.76 keV
Co59(d,n+d+α)Mn54	-17168.33 keV	Co59(d,3n+p+He3)Mn54	-39970.52 keV
Co59(d,2n+p+α)Mn54	-19392.90 keV	Co59(d,n+3d)Mn54	-41014.86 keV
Co59(d,p+2t)Mn54	-30724.97 keV	Co59(d,2n+p+2d)Mn54	-43239.43 keV
Co59(d,n+t+He3)Mn54	-31488.72 keV	Co59(d,3n+2p+d)Mn54	-45463.99 keV
Co59(d,2d+t)Mn54	-34757.63 keV	Co59(d,4n+3p)Mn54	-47688.56 keV
Co59(d,n+p+d+t)Mn54	-36982.20 keV		
Co59(d,2n+d+He3)Mn54	-37745.95 keV		

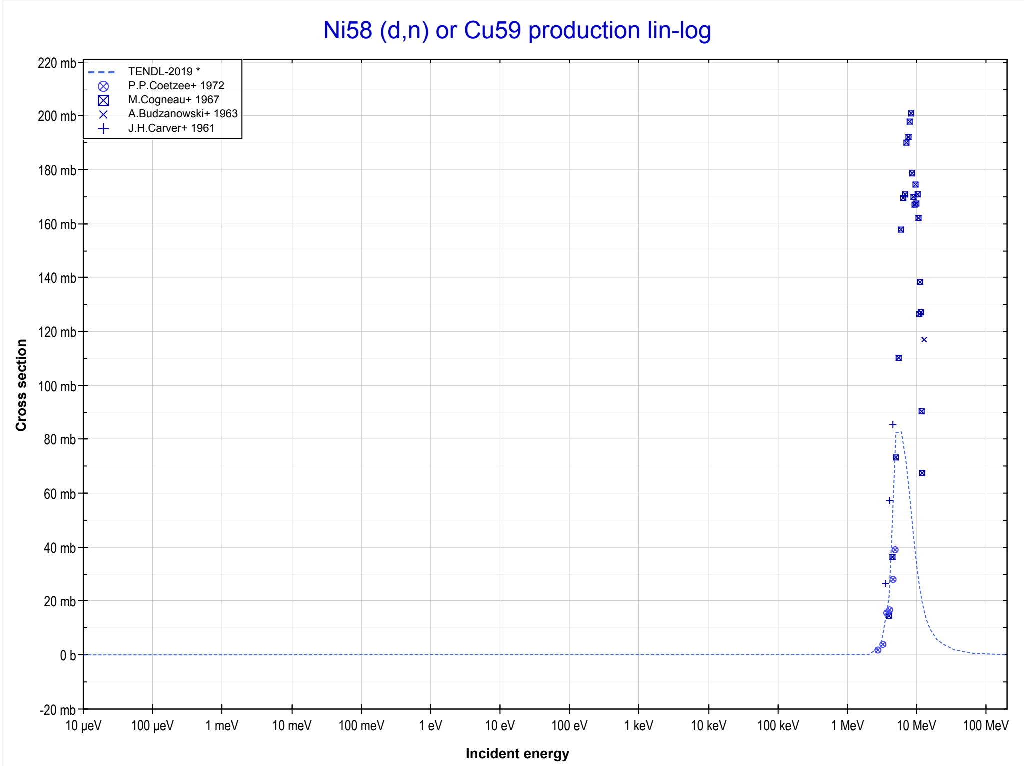




Reaction	Q-Value
Co59(d,p+α)Mn56	-1896.36 keV
Co59(d,d+He3)Mn56	-20249.42 keV
Co59(d,2p+t)Mn56	-21710.23 keV
Co59(d,n+p+He3)Mn56	-22473.98 keV
Co59(d,p+2d)Mn56	-25742.89 keV
Co59(d,n+2p+d)Mn56	-27967.46 keV
Co59(d,2n+3p)Mn56	-30192.02 keV

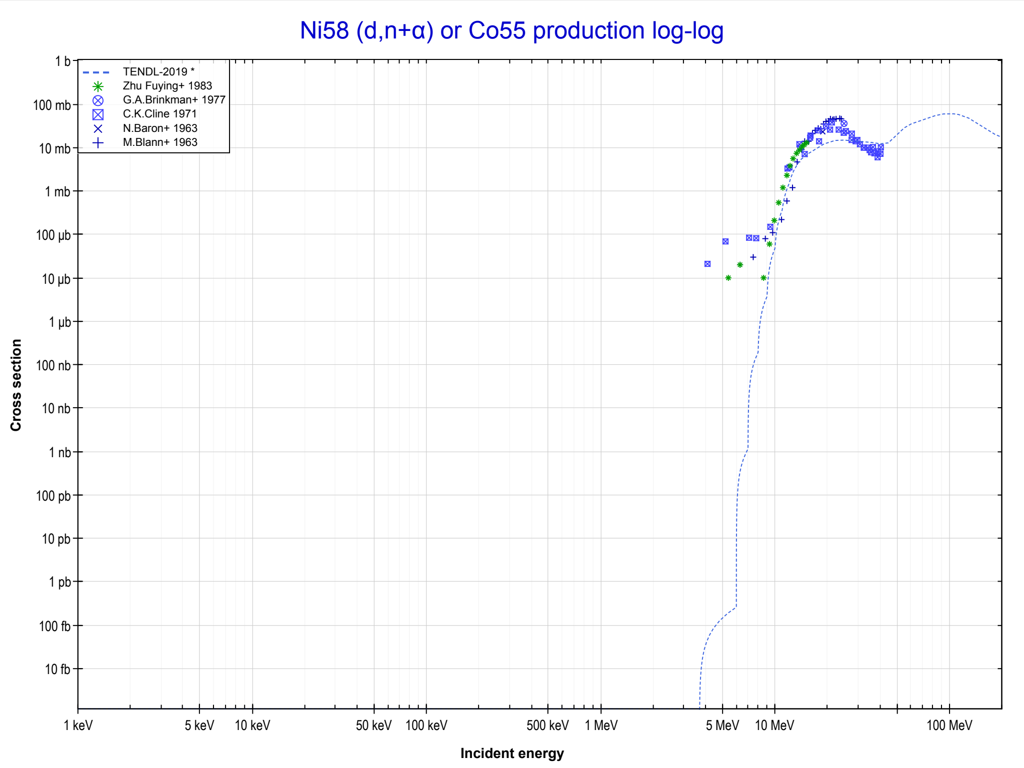
<< 26-Fe-54	**28-Ni-58**	28-Ni-60 >>
<< 27-Co-59 MT192 (d,d+³He)	**MT4 (d,n) or MT5 (Cu59 production)**	MT22 (d,n+α) >>

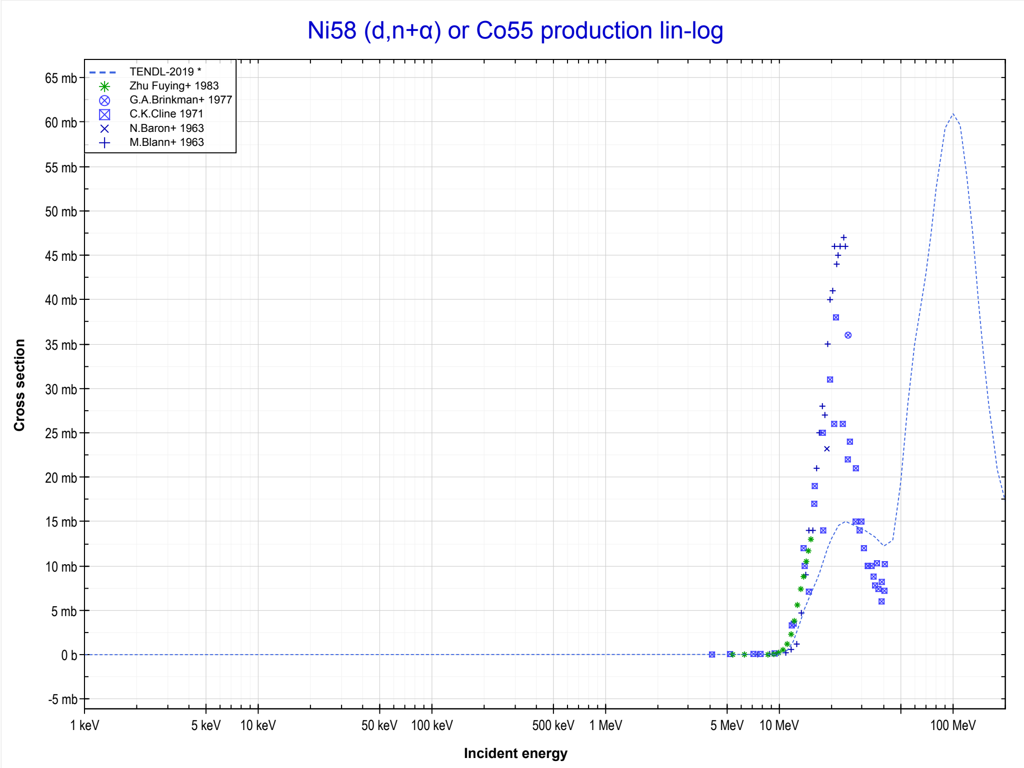




Reaction	Q-Value
Ni58(d,n)Cu59	1194.00 keV

<< 22-Ti-47	**28-Ni-58**	30-Zn-64 >>
<< MT4 (d,n)	**MT22 (d,n+α) or MT5 (Co55 production)**	MT32 (d,n+d) >>

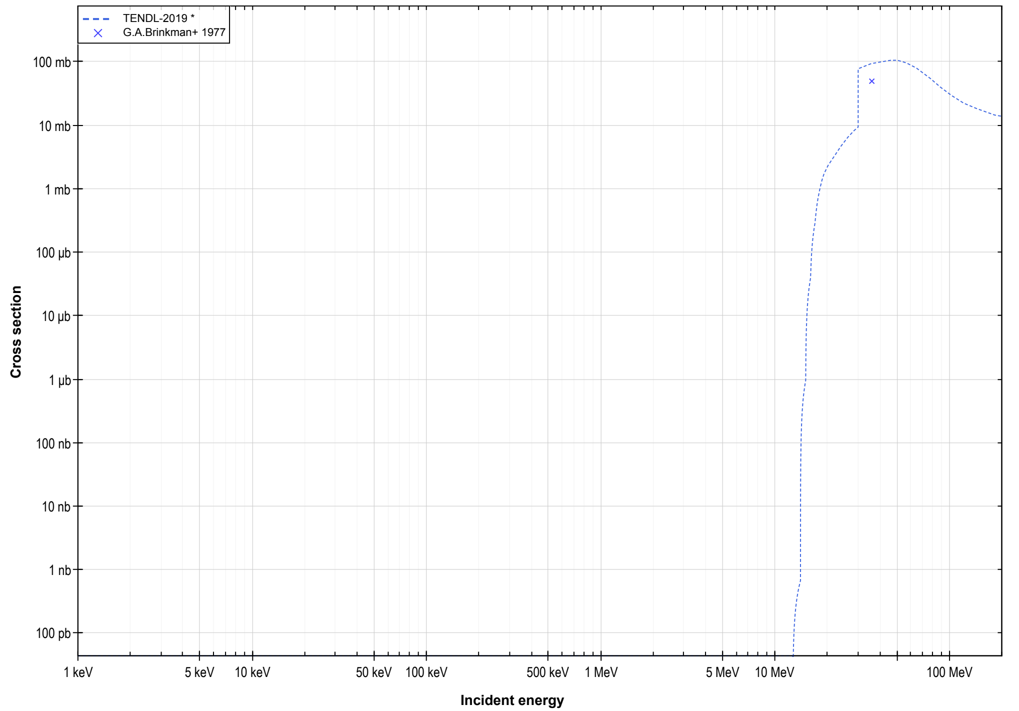




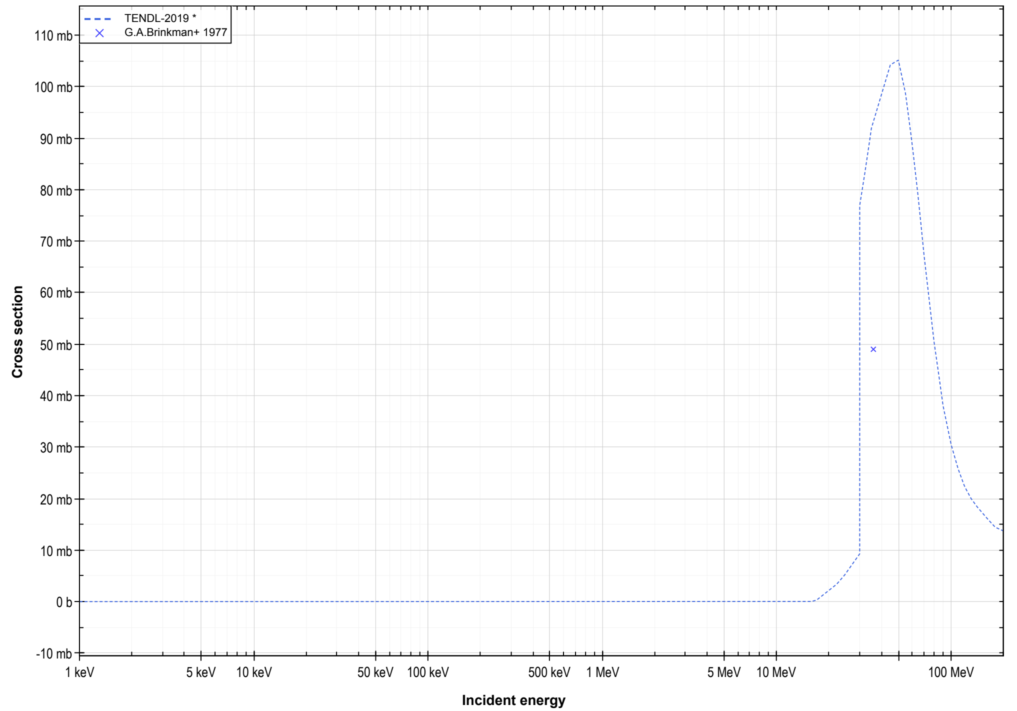
Reaction	Q-Value
Ni58(d,n+α)Co55	-3559.31 keV
Ni58(d,d+t)Co55	-21148.61 keV
Ni58(d,n+p+t)Co55	-23373.18 keV
Ni58(d,2n+He3)Co55	-24136.93 keV
Ni58(d,n+2d)Co55	-27405.84 keV
Ni58(d,2n+p+d)Co55	-29630.40 keV
Ni58(d,3n+2p)Co55	-31854.97 keV

<< 27-Co-59	**28-Ni-58**	39-Y-89 >>
<< MT22 (d,n+α)	**MT32 (d,n+d) or MT5 (Ni57 production)**	MT41 (d,2n+p) >>

Ni58 (d,n+d) or Ni57 production log-log



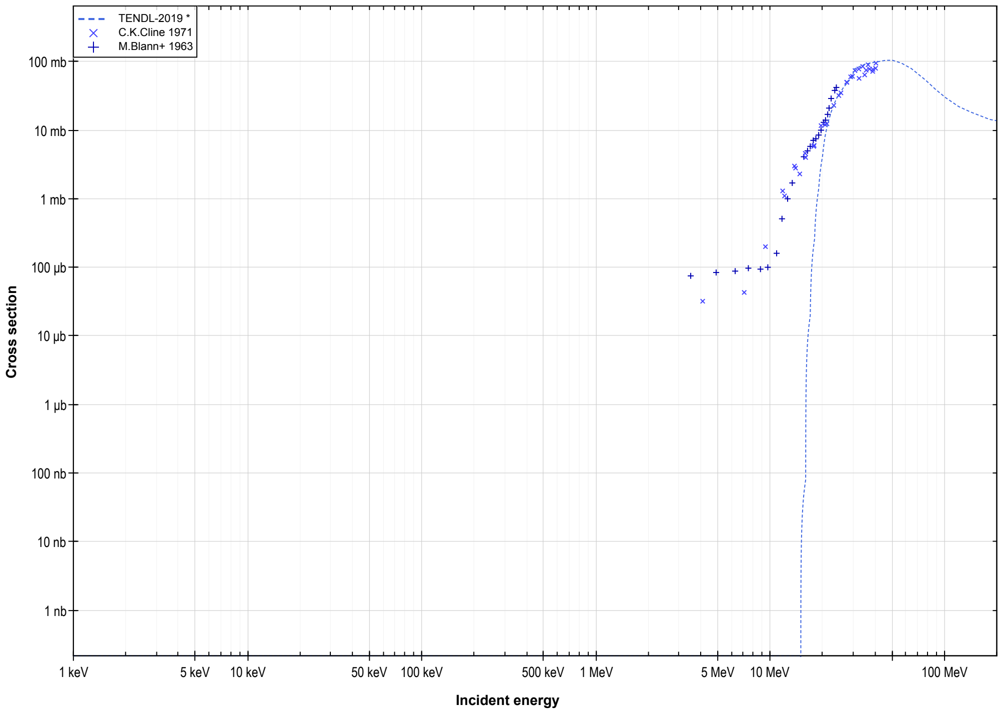
Ni58 (d,n+d) or Ni57 production lin-log



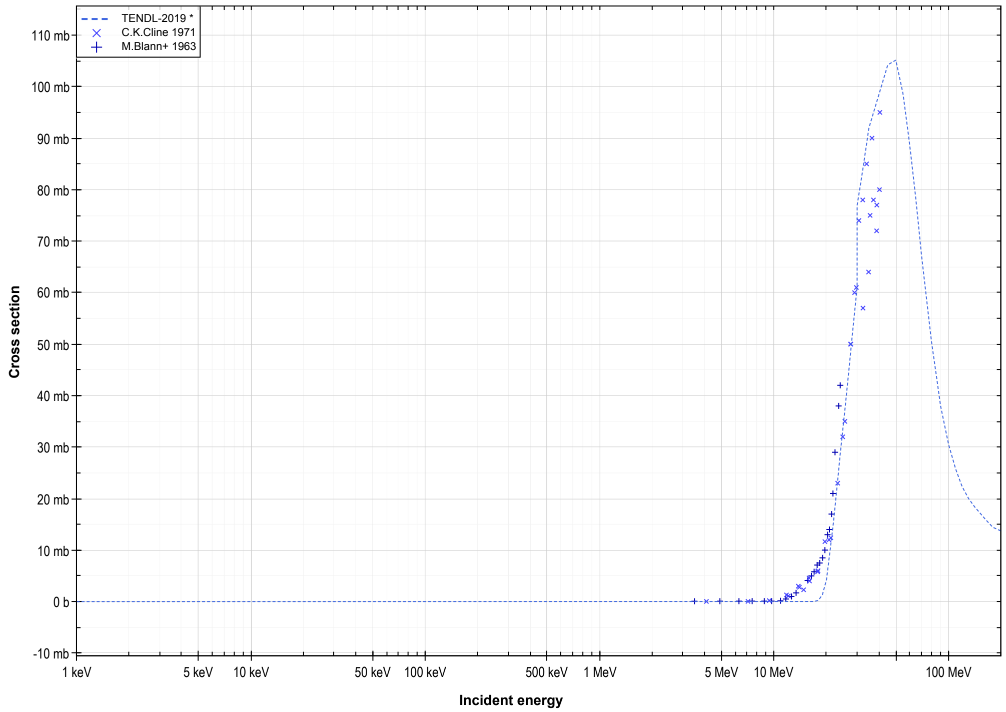
Reaction	Q-Value
Ni58(d,t)Ni57	-5958.99 keV
Ni58(d,n+d)Ni57	-12216.22 keV
Ni58(d,2n+p)Ni57	-14440.78 keV

<< 27-Co-59	**28-Ni-58**	33-As-75 >>
<< MT32 (d,n+d)	**MT41 (d,2n+p) or MT5 (Ni57 production)**	MT42 (d,3n+p) >>

Ni58 (d,2n+p) or Ni57 production log-log

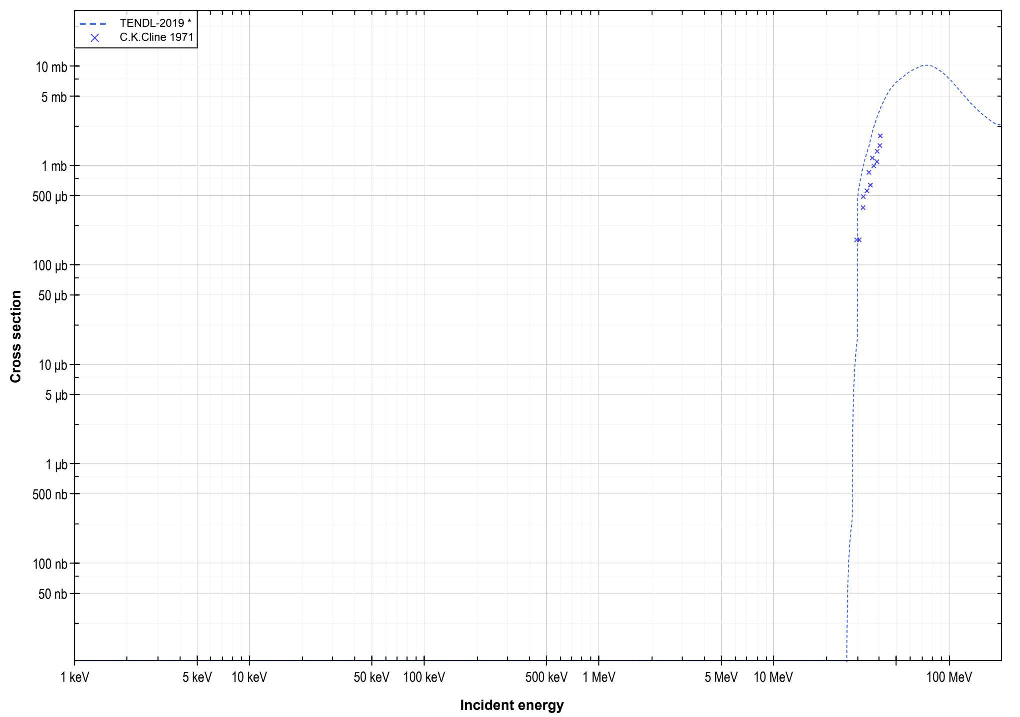


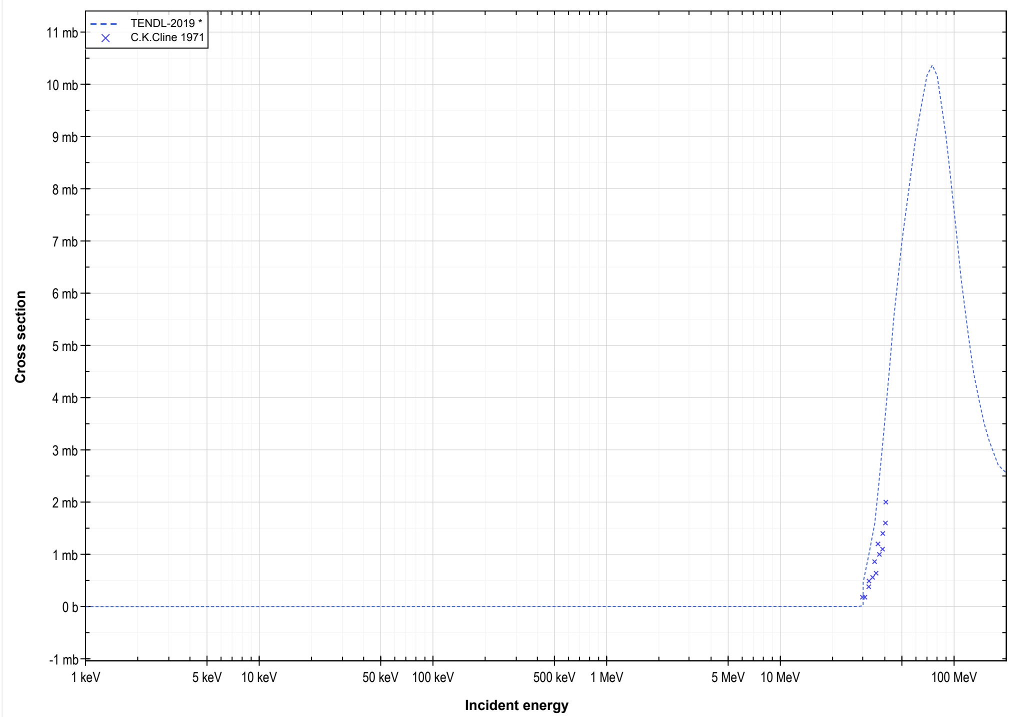
Ni58 (d,2n+p) or Ni57 production lin-log



Reaction	Q-Value
Ni58(d,t)Ni57	-5958.99 keV
Ni58(d,n+d)Ni57	-12216.22 keV
Ni58(d,2n+p)Ni57	-14440.78 keV

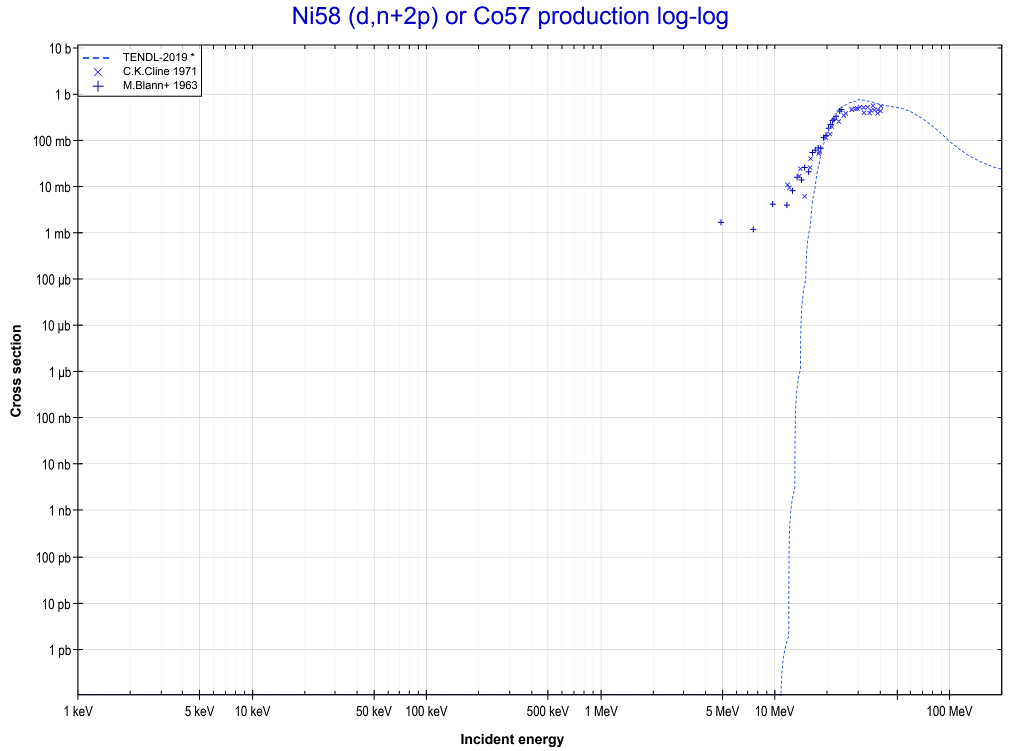
<< 27-Co-59	**28-Ni-58**	33-As-75 >>
<< MT41 (d,2n+p)	**MT42 (d,3n+p) or MT5 (Ni56 production)**	MT44 (d,n+2p) >>

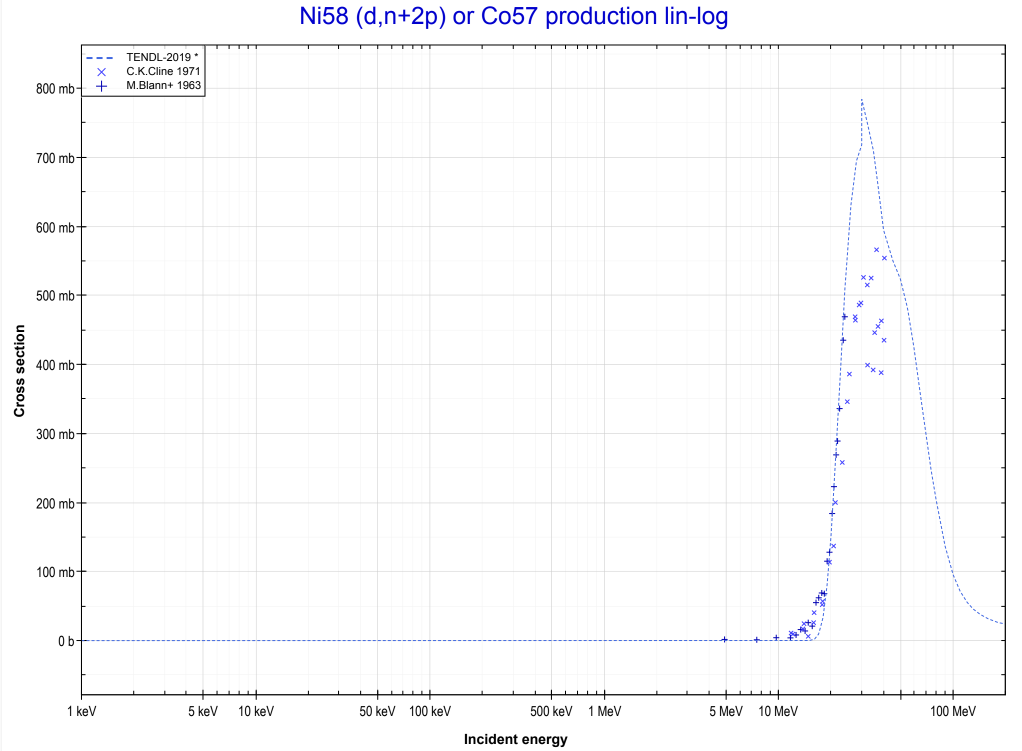




Reaction	Q-Value
Ni58(d,n+t)Ni56	-16206.61 keV
Ni58(d,2n+d)Ni56	-22463.83 keV
Ni58(d,3n+p)Ni56	-24688.40 keV

	28-Ni-58	48-Cd-112 >>
<< MT42 (d,3n+p)	**MT44 (d,n+2p) or MT5 (Co57 production)**	MT102 (d,γ) >>

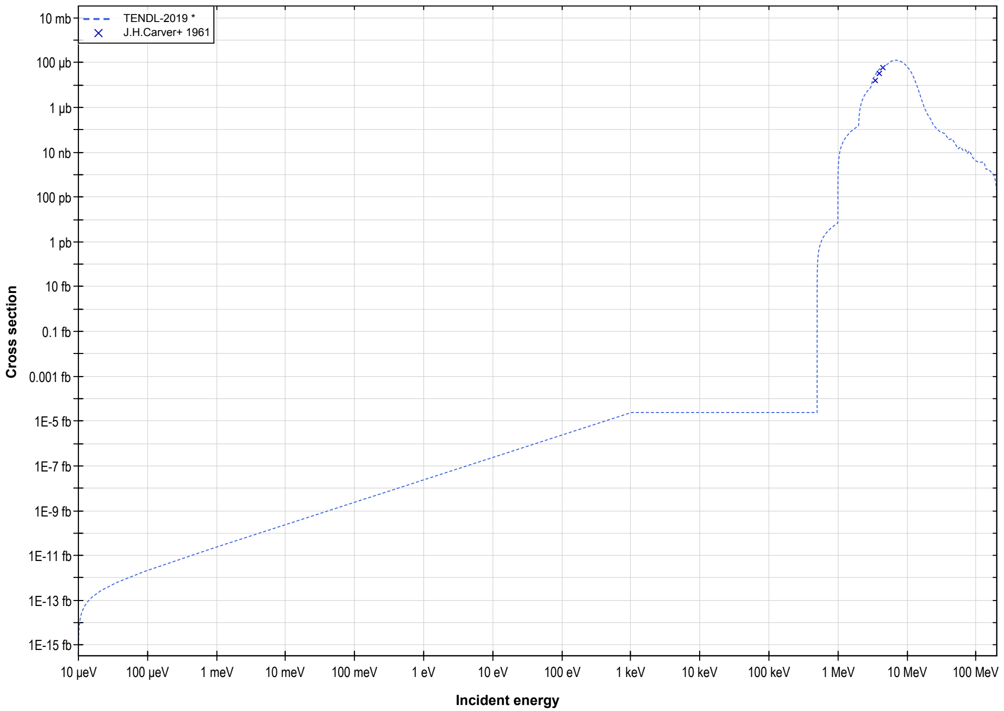




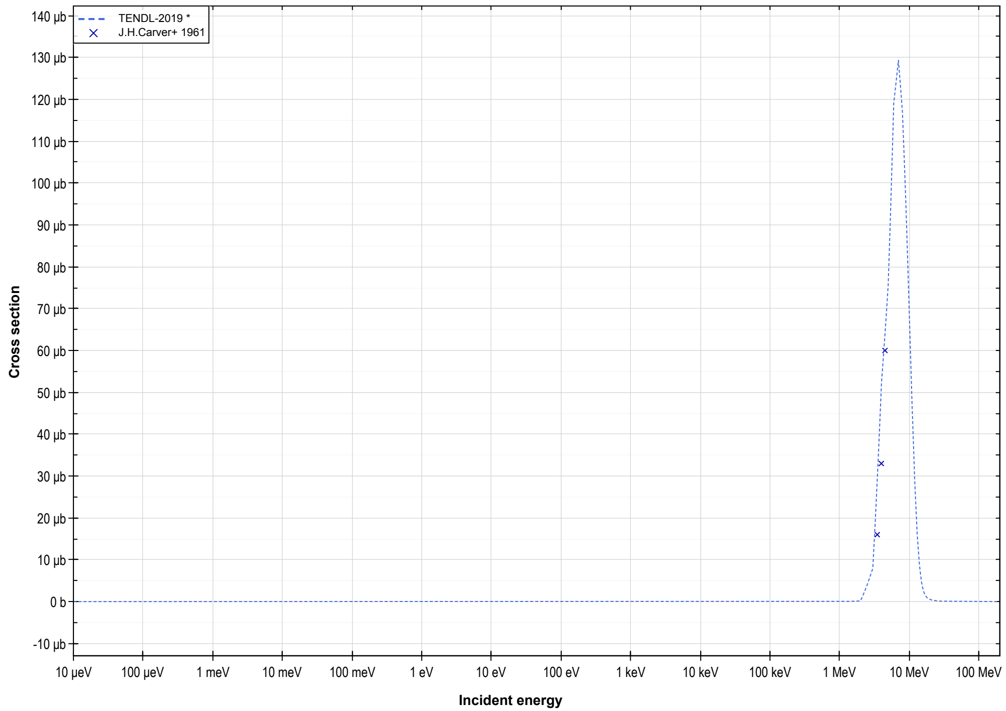
Reaction	Q-Value
Ni58(d,He3)Co57	-2678.60 keV
Ni58(d,p+d)Co57	-8172.07 keV
Ni58(d,n+2p)Co57	-10396.64 keV

<< 24-Cr-54	**28-Ni-58**	29-Cu-63 >>
<< MT44 (d,n+2p)	**MT102 (d,γ) or MT5 (Cu60 production)**	MT105 (d,t) >>

Ni58 (d,γ) or Cu60 production log-log



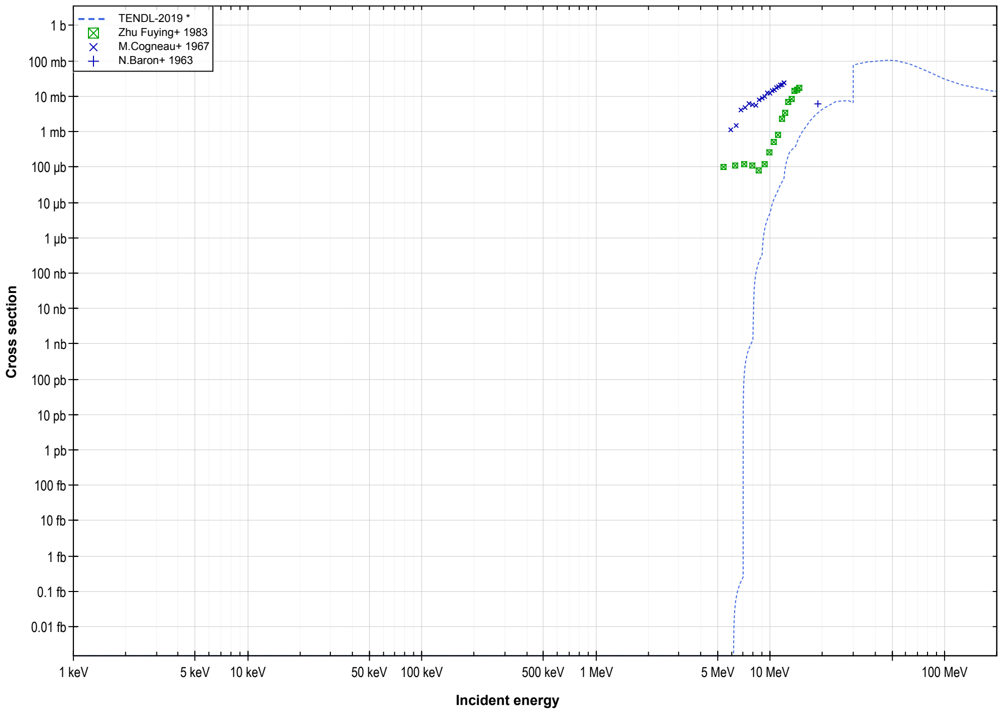
Ni58 (d,γ) or Cu60 production lin-log



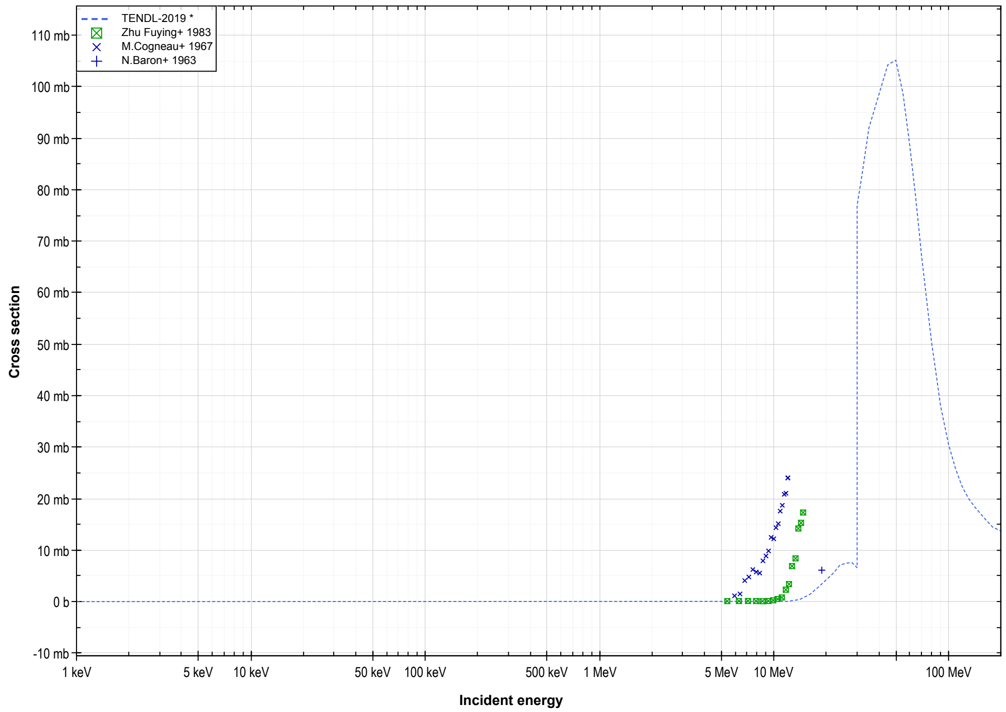
Reaction	Q-Value
Ni58(d,γ)Cu60	11252.12 keV

<< 27-Co-59	**28-Ni-58**	33-As-75 >>
<< MT102 (d,γ)	**MT105 (d,t) or MT5 (Ni57 production)**	MT107 (d,α) >>

Ni58 (d,t) or Ni57 production log-log

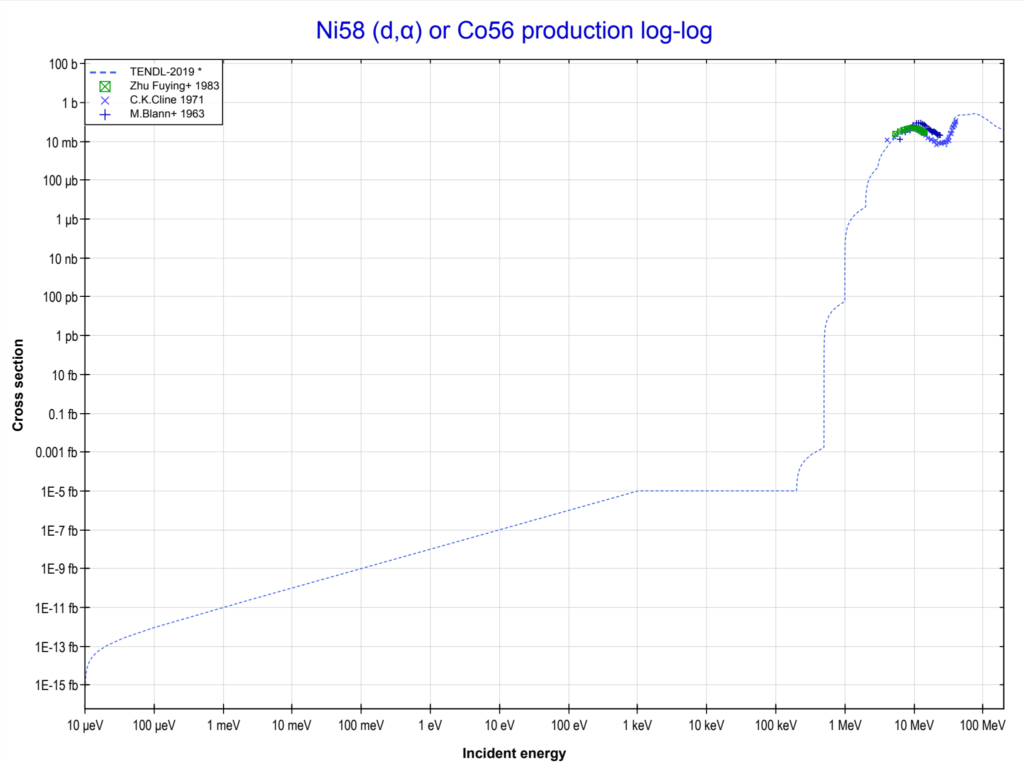


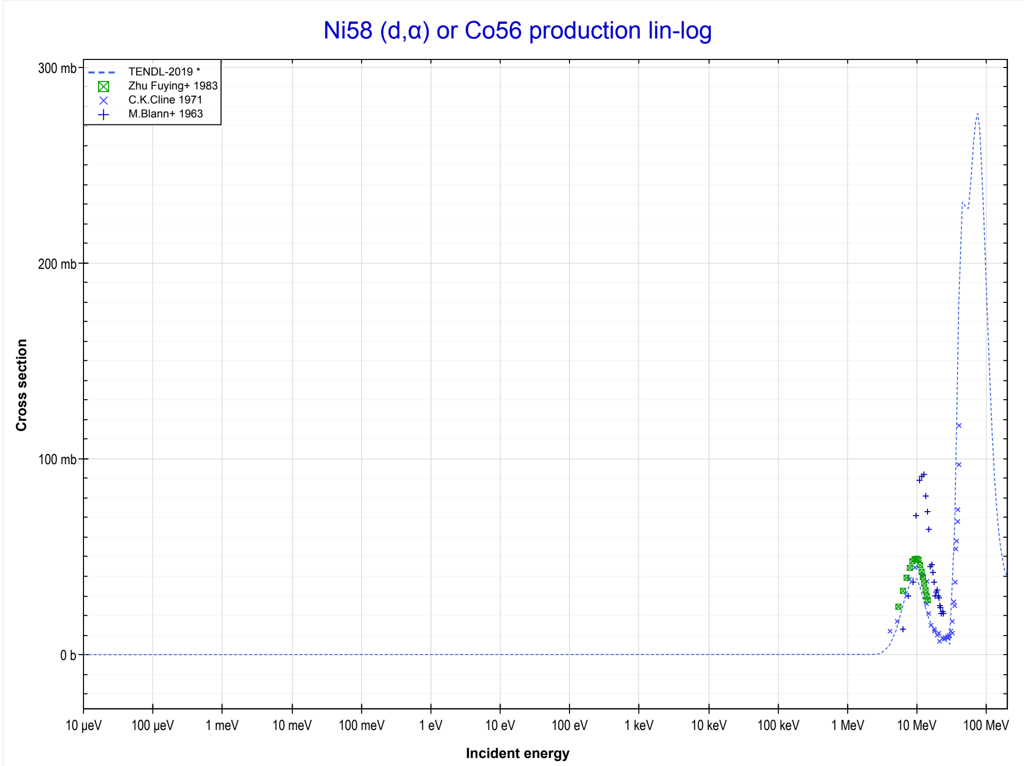
Ni58 (d,t) or Ni57 production lin-log



Reaction	Q-Value
Ni58(d,t)Ni57	-5958.99 keV
Ni58(d,n+d)Ni57	-12216.22 keV
Ni58(d,2n+p)Ni57	-14440.78 keV

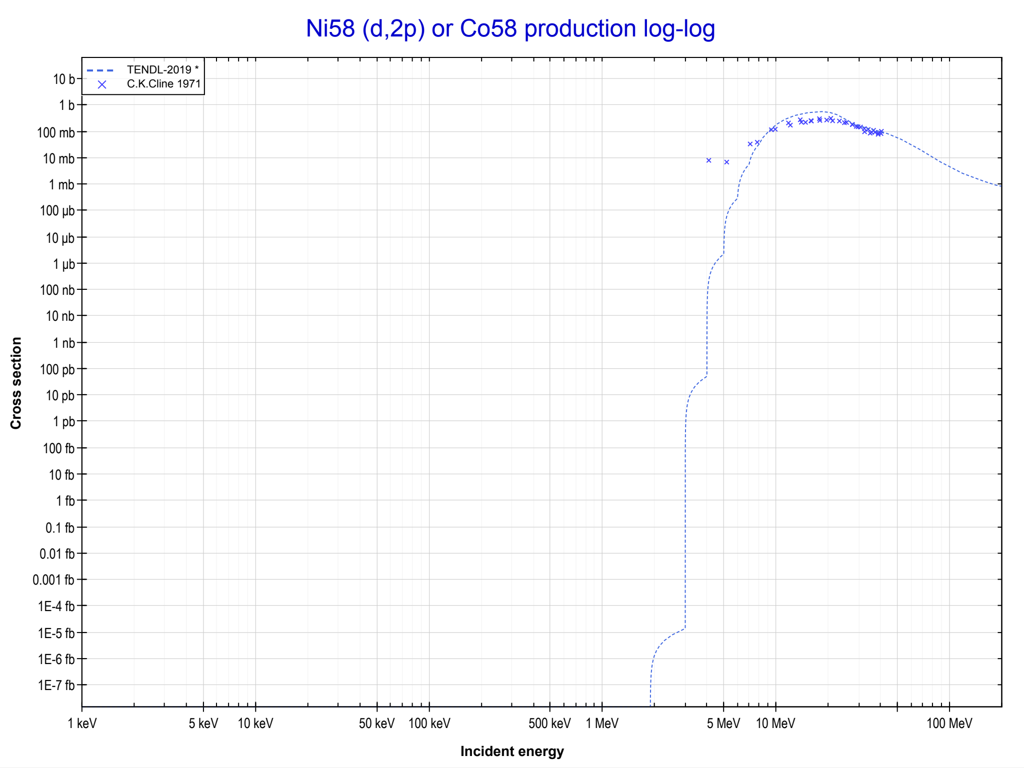
<< 26-Fe-56	**28-Ni-58**	30-Zn-66 >>
<< MT105 (d,t)	**MT107 (d,α) or MT5 (Co56 production)**	MT111 (d,2p) >>

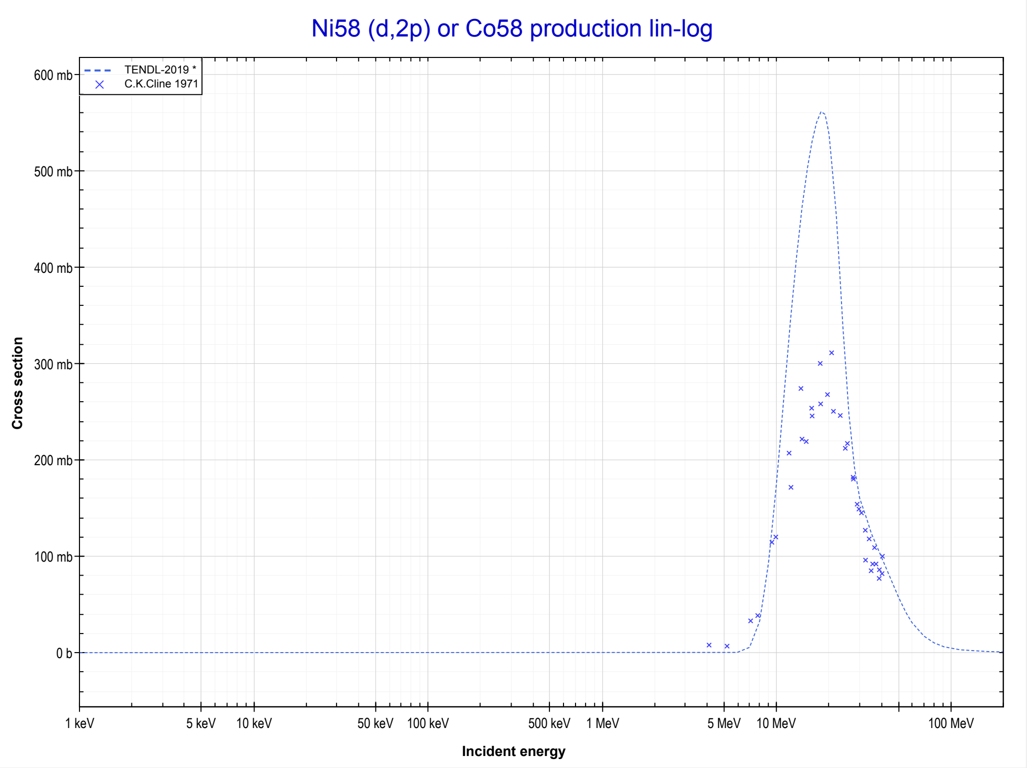




Reaction	Q-Value
Ni58(d,α)Co56	6522.51 keV
Ni58(d,p+t)Co56	-13291.36 keV
Ni58(d,n+He3)Co56	-14055.11 keV
Ni58(d,2d)Co56	-17324.02 keV
Ni58(d,n+p+d)Co56	-19548.59 keV
Ni58(d,2n+2p)Co56	-21773.15 keV

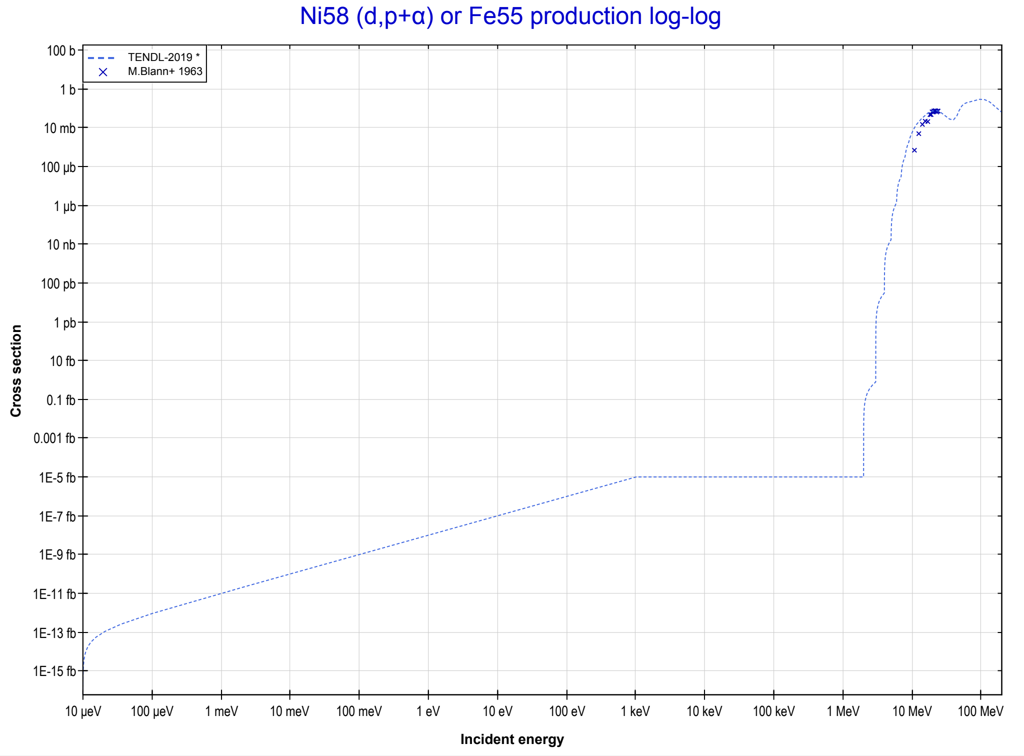
<< 27-Co-59	**28-Ni-58**	29-Cu-65 >>
<< MT107 (d,α)	**MT111 (d,2p) or MT5 (Co58 production)**	MT112 (d,p+α) >>

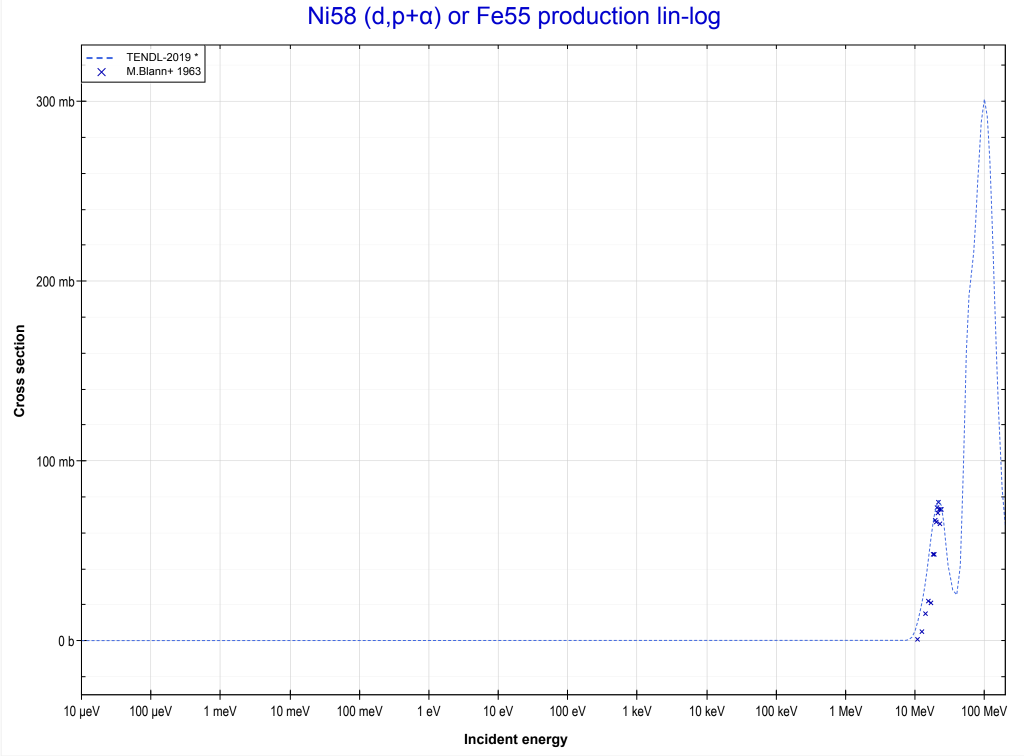




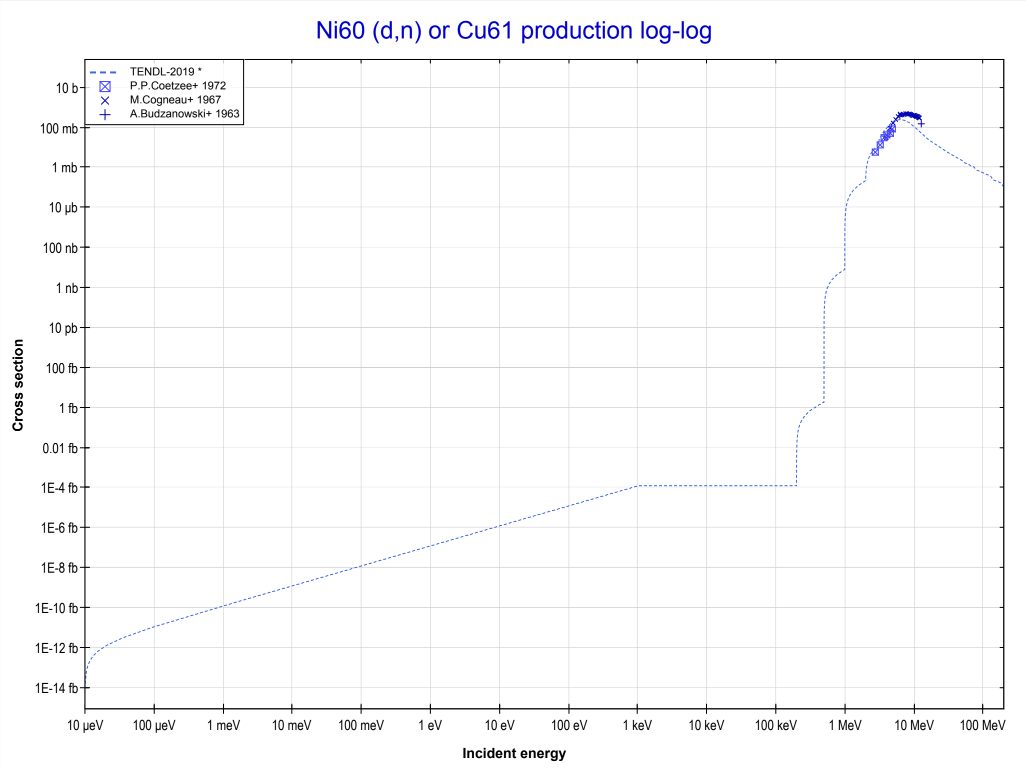
Reaction	Q-Value
Ni58(d,2p)Co58	-1823.72 keV

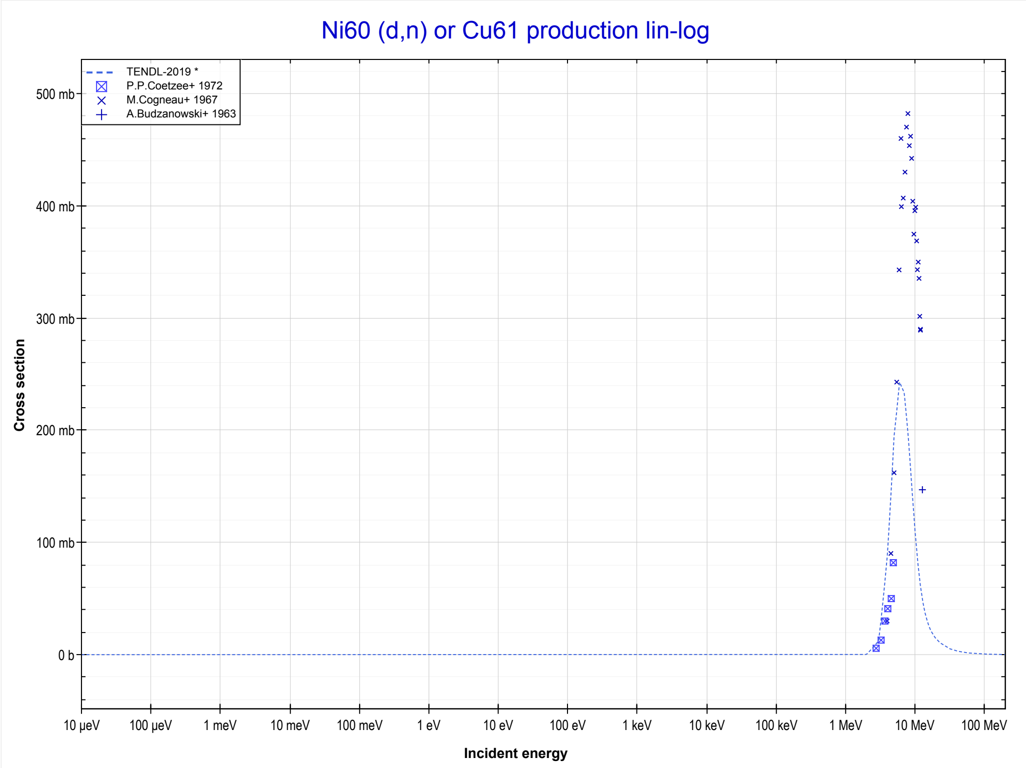
<< 27-Co-59	28-Ni-58	28-Ni-62 >>
<< MT111 (d,2p)	MT112 (d,p+α) or MT5 (Fe55 production)	28-Ni-60 MT4 (d,n) >>





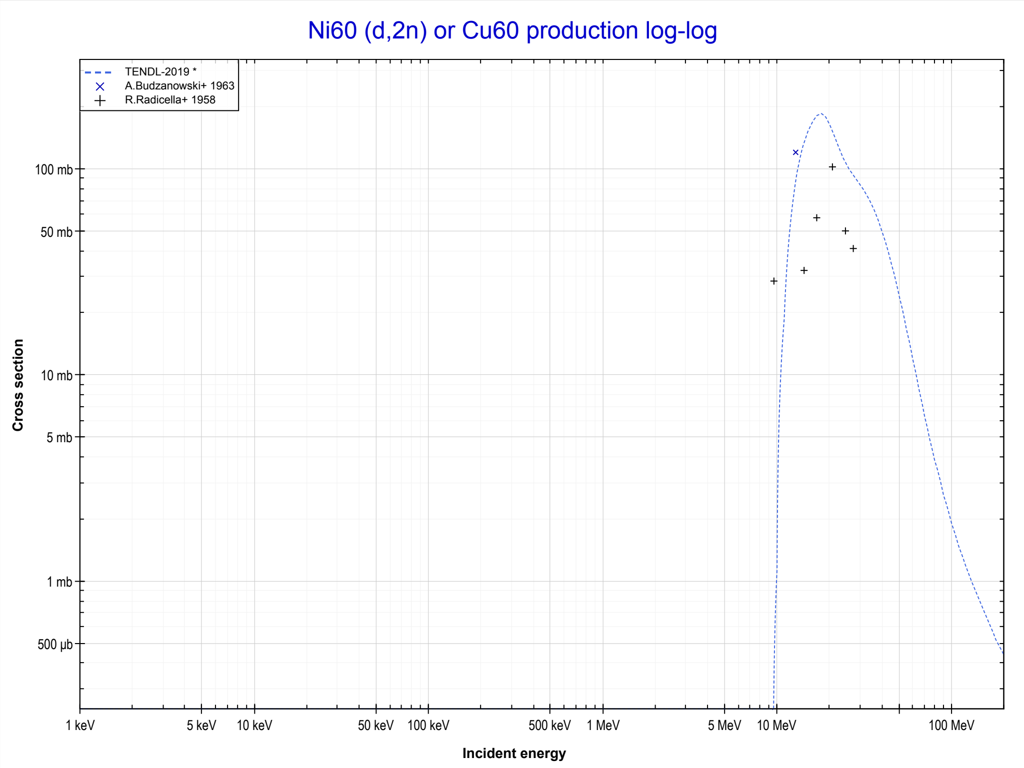
Reaction	Q-Value
Ni58(d,p+α)Fe55	674.44 keV
Ni58(d,d+He3)Fe55	-17678.62 keV
Ni58(d,2p+t)Fe55	-19139.43 keV
Ni58(d,n+p+He3)Fe55	-19903.18 keV
Ni58(d,p+2d)Fe55	-23172.09 keV
Ni58(d,n+2p+d)Fe55	-25396.66 keV
Ni58(d,2n+3p)Fe55	-27621.22 keV

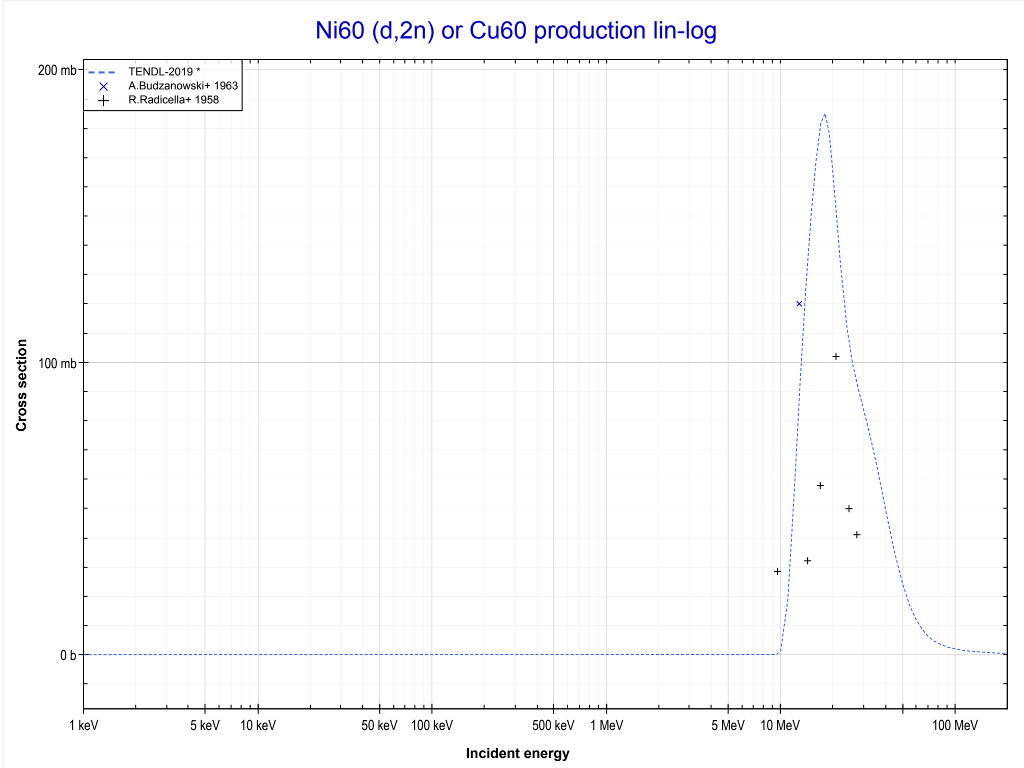




Reaction	Q-Value
Ni60(d,n)Cu61	2575.40 keV

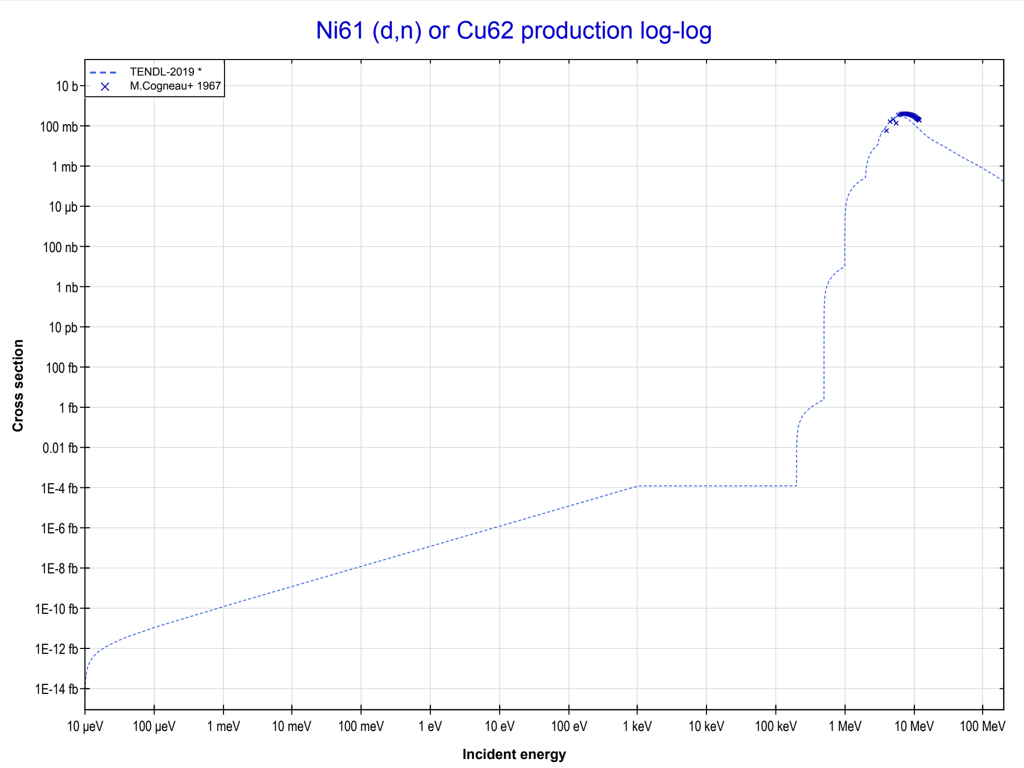
<< 26-Fe-56	**28-Ni-60**	28-Ni-62 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Cu60 production)**	28-Ni-61 MT4 (d,n) >>

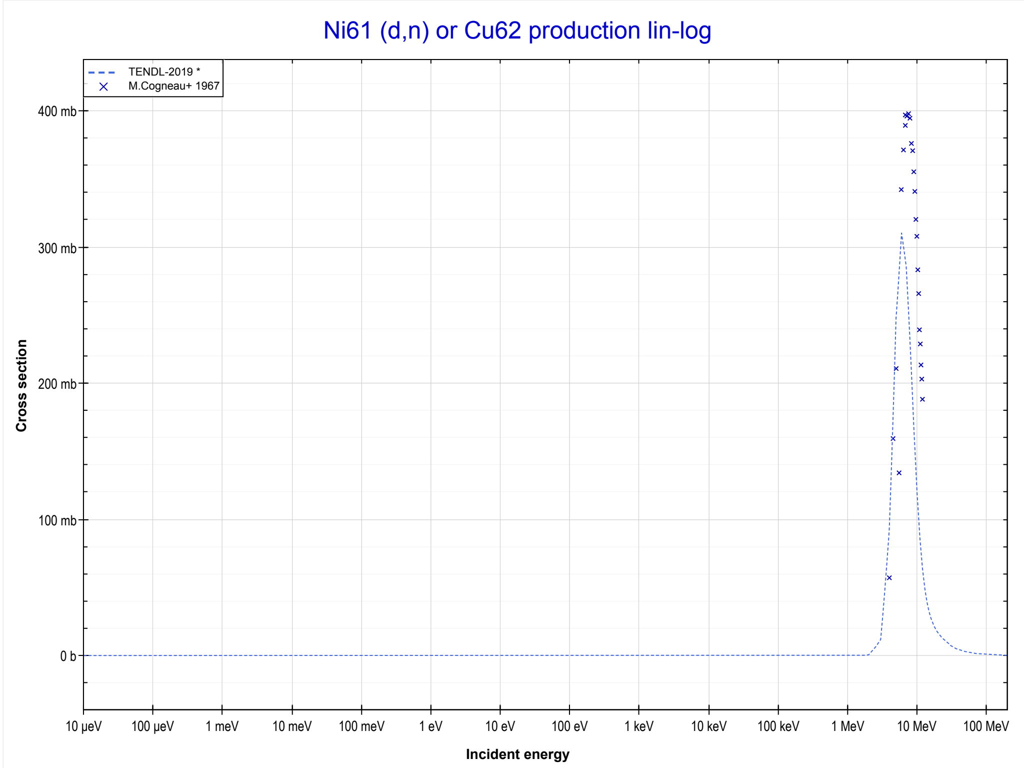




Reaction	Q-Value
Ni60(d,2n)Cu60	-9134.91 keV

<< 28-Ni-60	**28-Ni-61**	30-Zn-64 >>
<< 28-Ni-60 MT16 (d,2n)	**MT4 (d,n) or MT5 (Cu62 production)**	28-Ni-62 MT16 (d,2n) >>

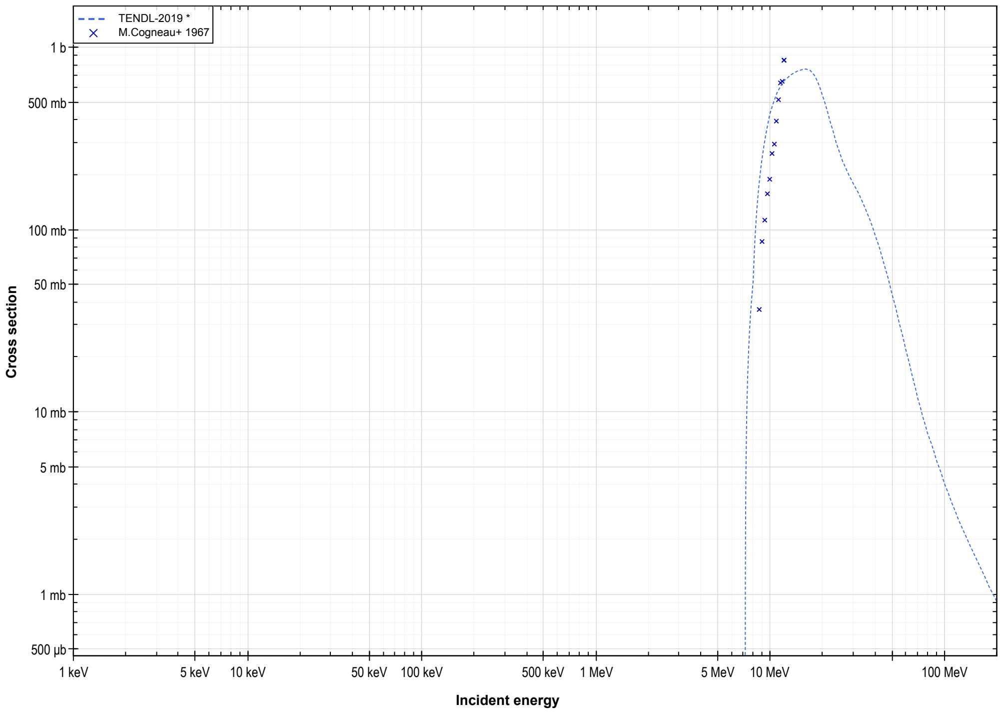




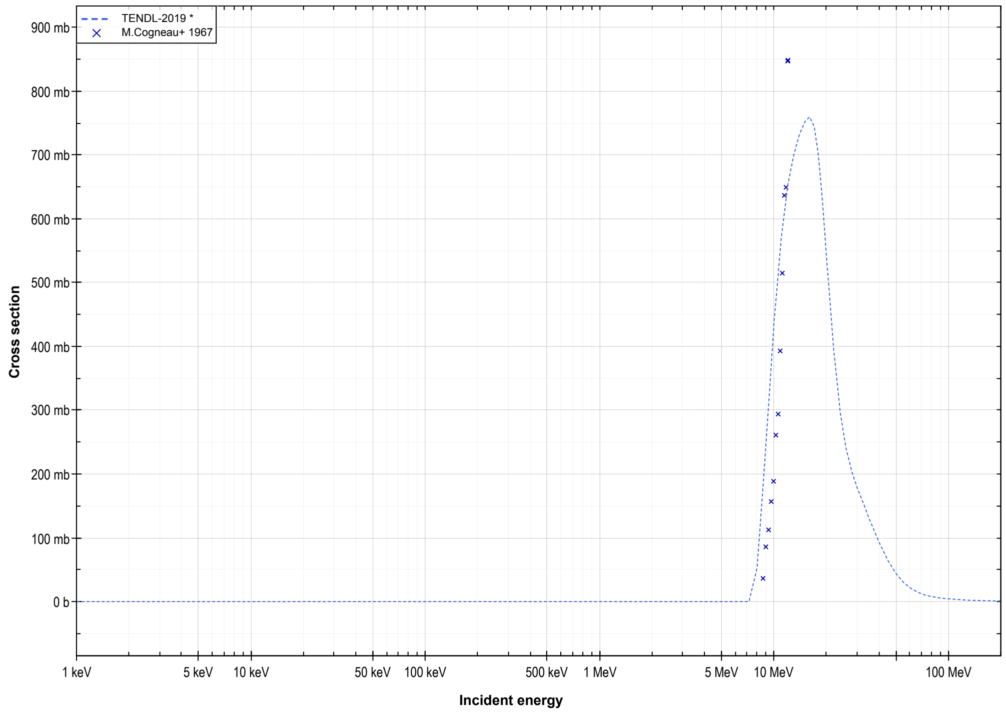
Reaction	Q-Value
Ni61(d,n)Cu62	3629.90 keV

<< 28-Ni-60	**28-Ni-62**	28-Ni-64 >>
<< 28-Ni-61 MT4 (d,n)	**MT16 (d,2n) or MT5 (Cu62 production)**	MT112 (d,p+α) >>

Ni62 (d,2n) or Cu62 production log-log

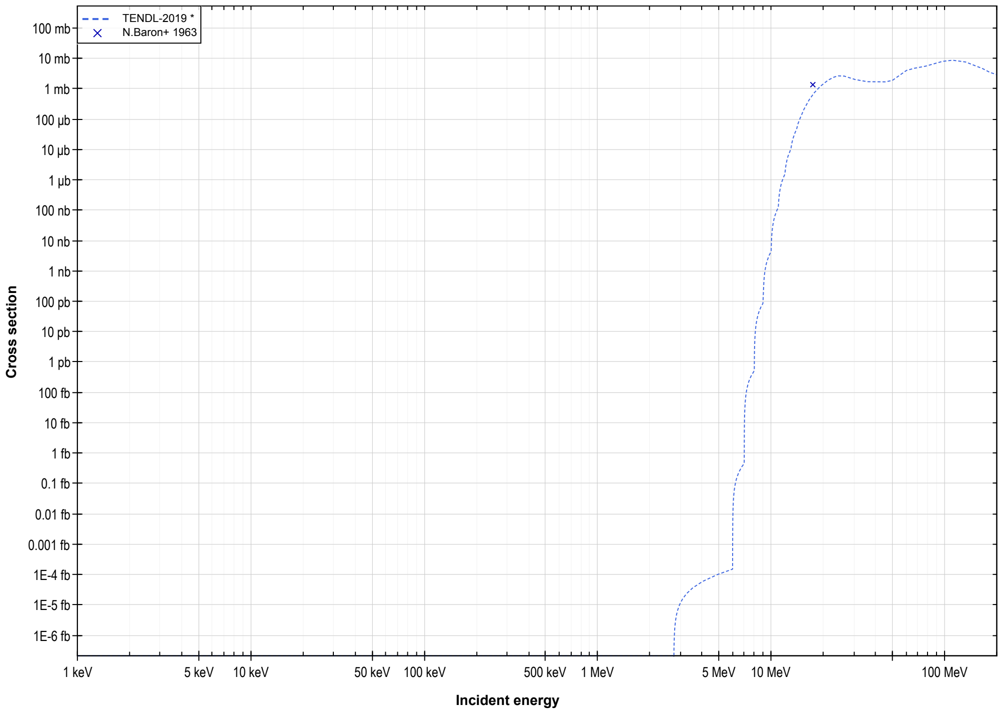


Ni62 (d,2n) or Cu62 production lin-log

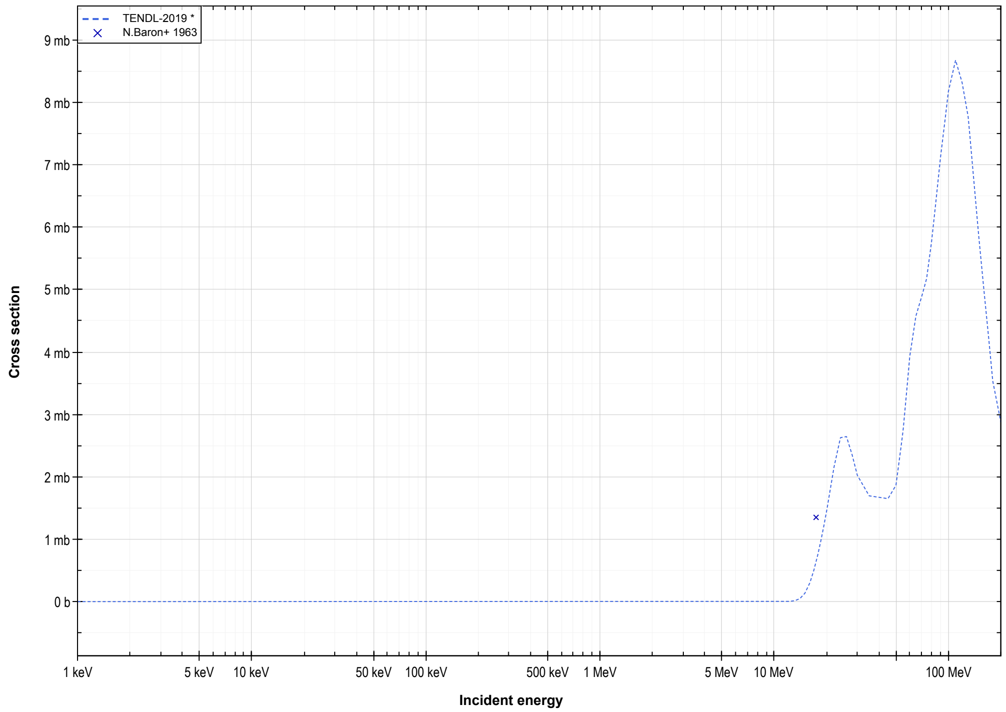


Reaction	Q-Value
Ni62(d,2n)Cu62	-6965.81 keV

Ni62 (d,p+α) or Fe59 production log-log

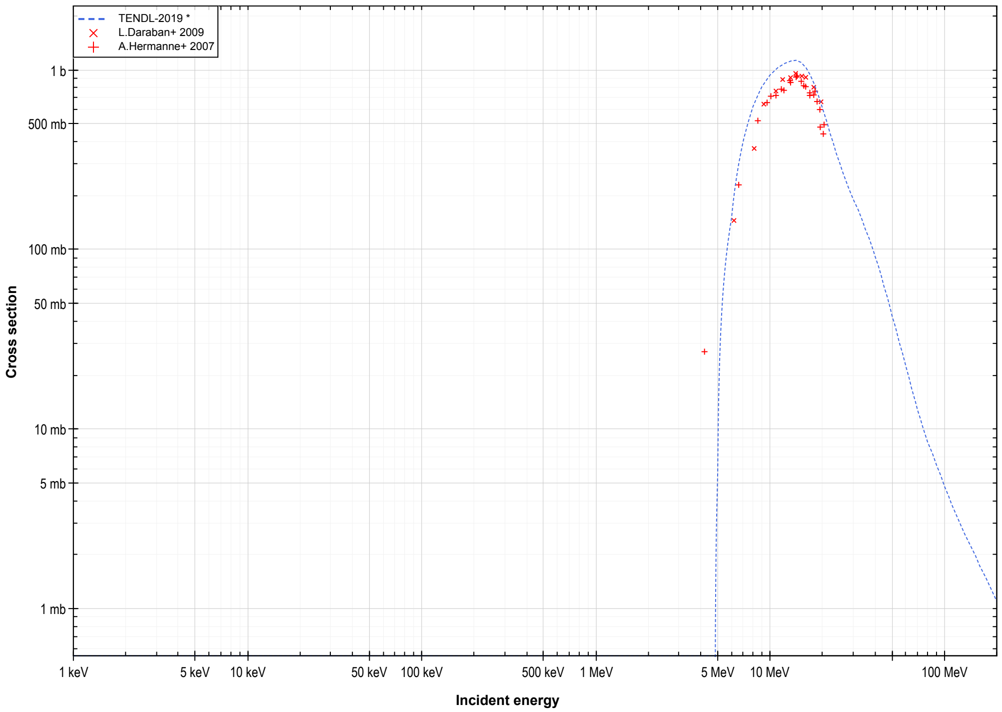


Ni62 (d,p+α) or Fe59 production lin-log

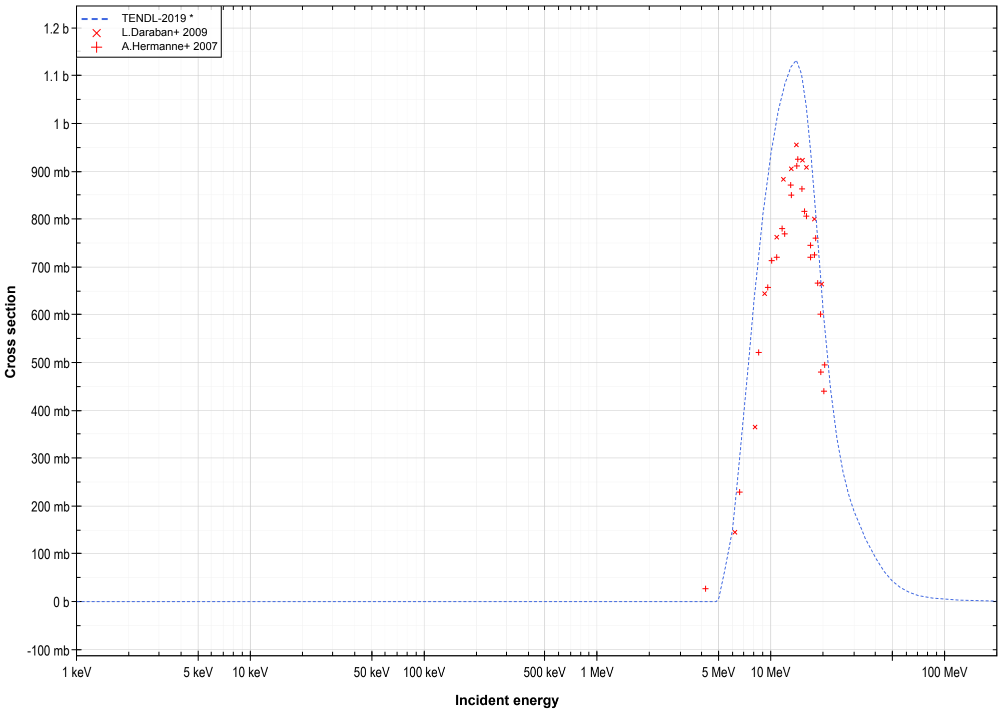


Reaction	Q-Value
Ni62(d,p+α)Fe59	-2659.66 keV
Ni62(d,d+He3)Fe59	-21012.72 keV
Ni62(d,2p+t)Fe59	-22473.53 keV
Ni62(d,n+p+He3)Fe59	-23237.28 keV
Ni62(d,p+2d)Fe59	-26506.19 keV
Ni62(d,n+2p+d)Fe59	-28730.76 keV
Ni62(d,2n+3p)Fe59	-30955.32 keV

Ni64 (d,2n) or Cu64 production log-log

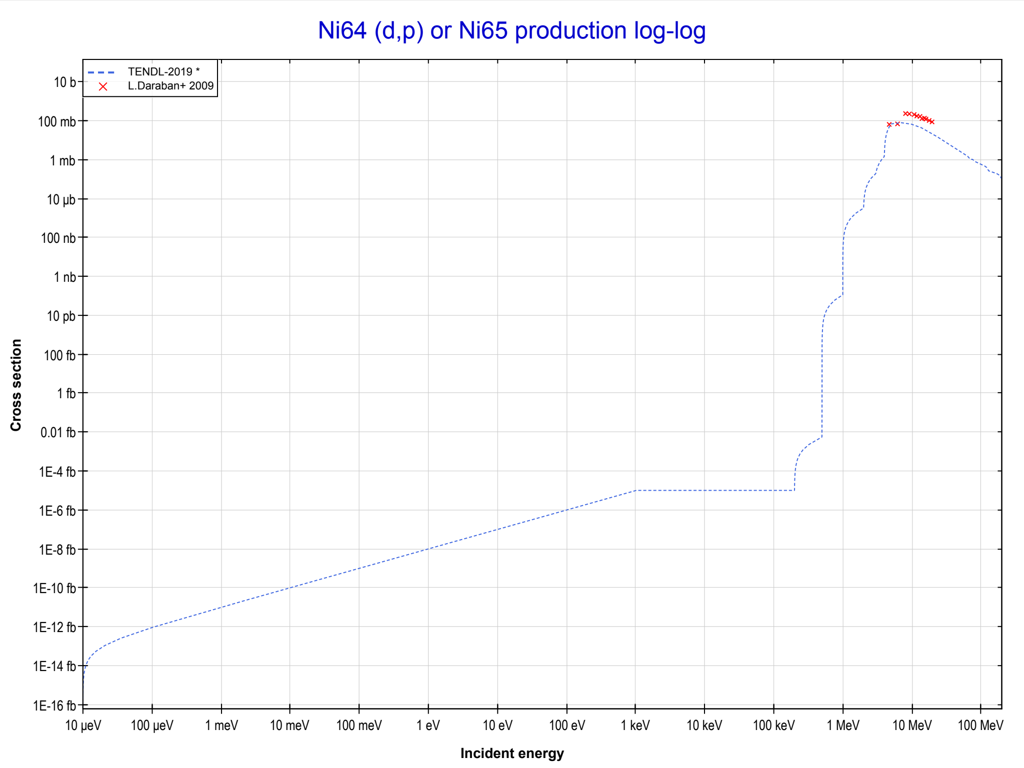


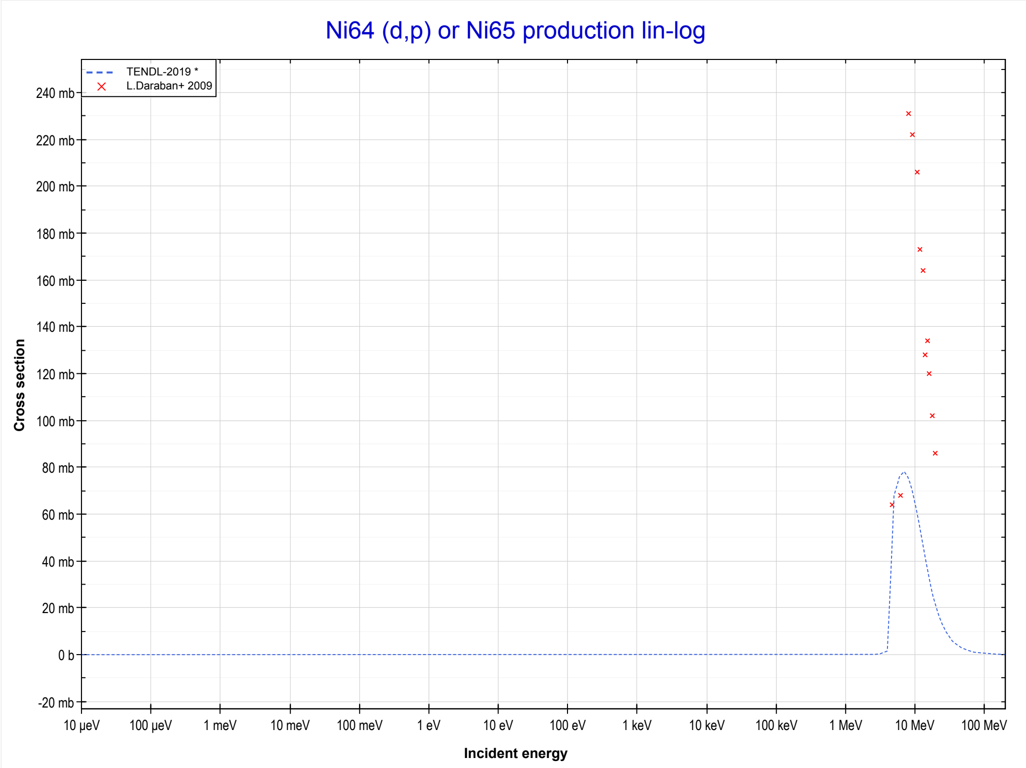
Ni64 (d,2n) or Cu64 production lin-log



Reaction	Q-Value
Ni64(d,2n)Cu64	-4681.31 keV

<< 27-Co-59	**28-Ni-64**	29-Cu-63 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Ni65 production)**	29-Cu-63 MT16 (d,2n) >>

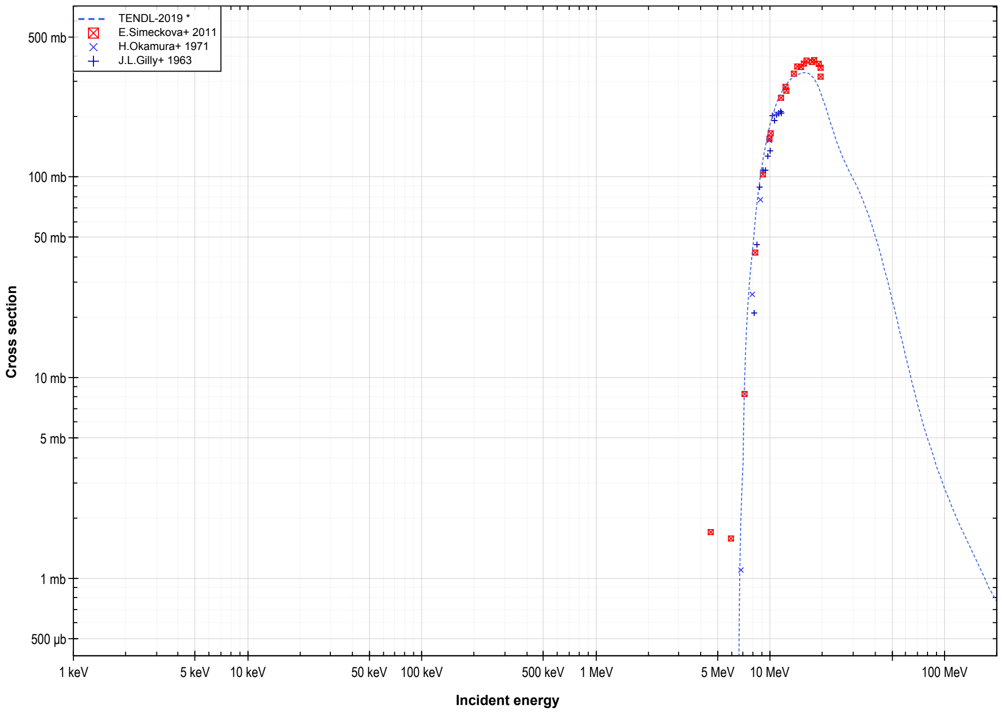




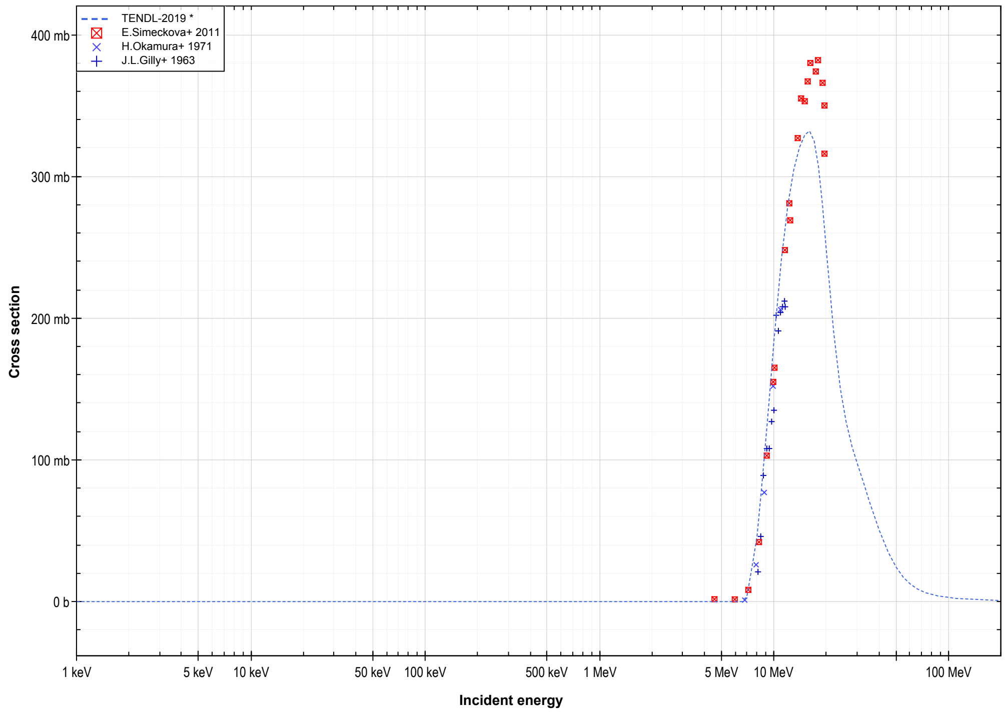
Reaction	Q-Value
Ni64(d,p)Ni65	3873.55 keV

<< 28-Ni-64	**29-Cu-63**	29-Cu-65 >>
<< 28-Ni-64 MT103 (d,p)	**MT16 (d,2n) or MT5 (Zn63 production)**	MT17 (d,3n) >>

Cu63 (d,2n) or Zn63 production log-log

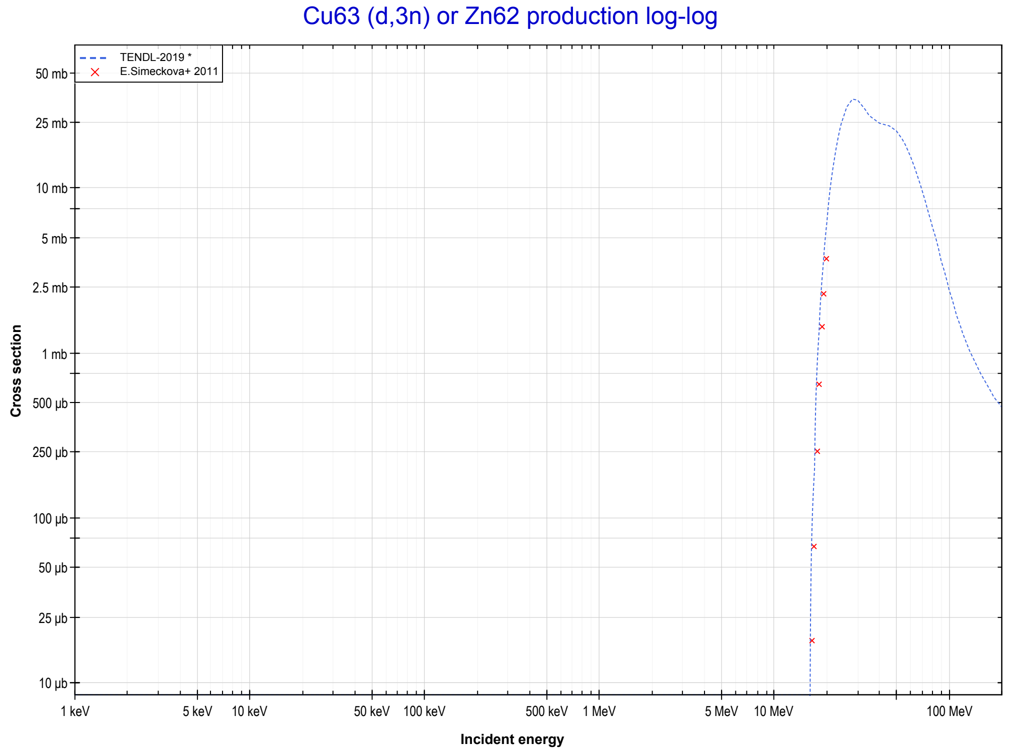


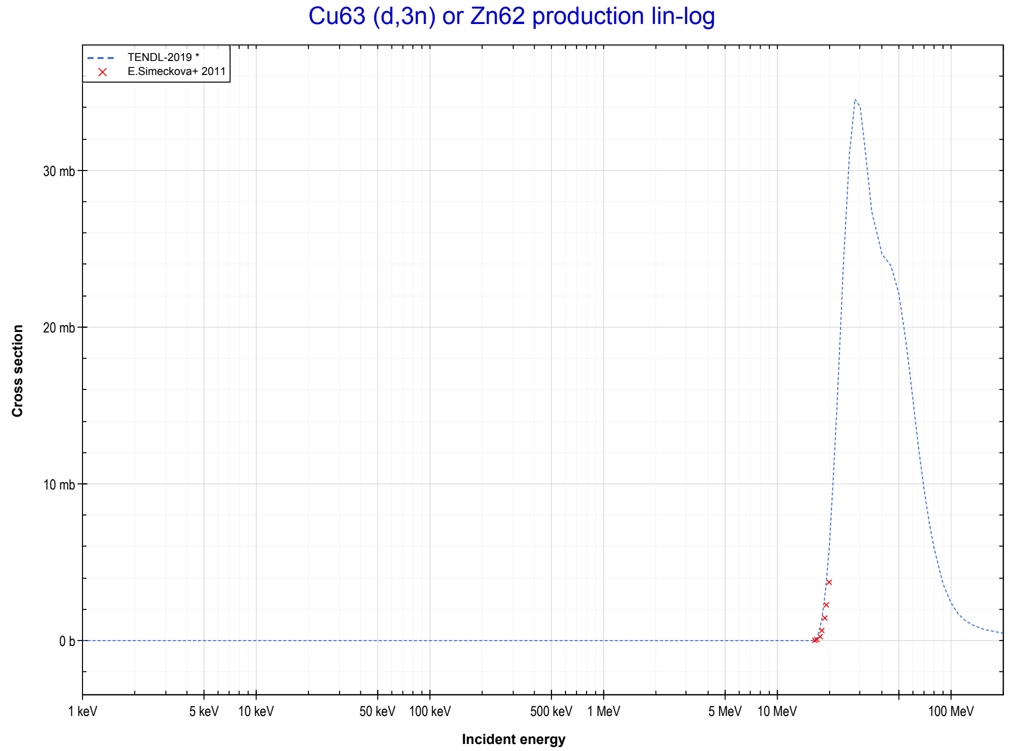
Cu63 (d,2n) or Zn63 production lin-log



Reaction	Q-Value
Cu63(d,2n)Zn63	-6373.31 keV

<< 21-Sc-45	**29-Cu-63**	30-Zn-66 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Zn62 production)**	MT102 (d,γ) >>

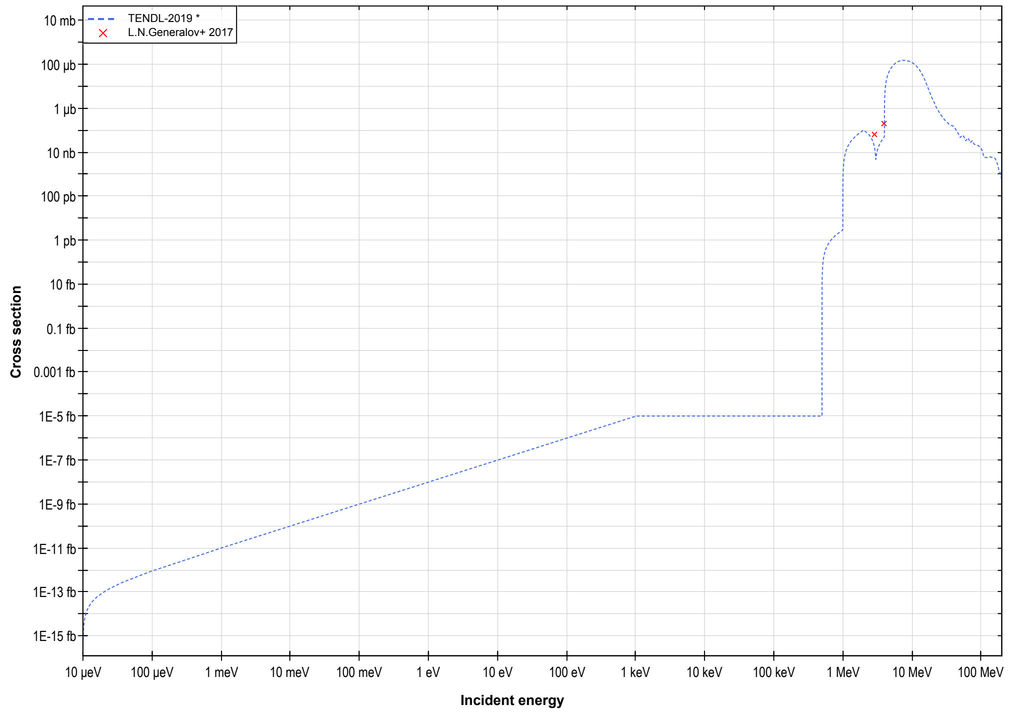




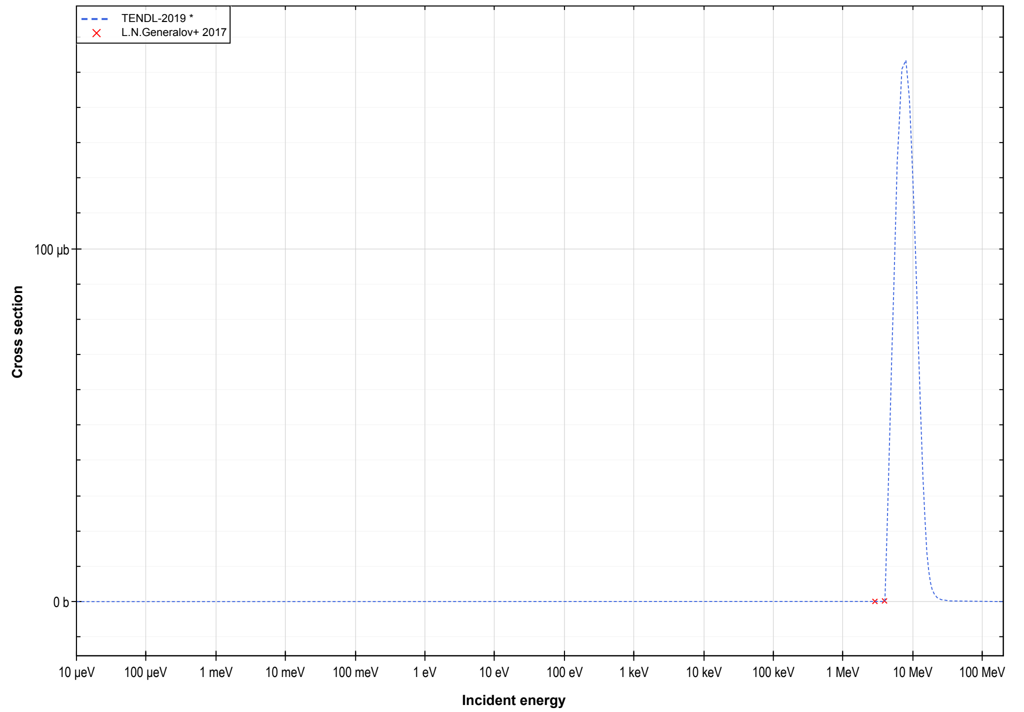
Reaction	Q-Value
Cu63(d,3n)Zn62	-15490.03 keV

<< 28-Ni-58	**29-Cu-63**	30-Zn-64 >>
<< MT17 (d,3n)	**MT102 (d,γ) or MT5 (Zn65 production)**	MT103 (d,p) >>

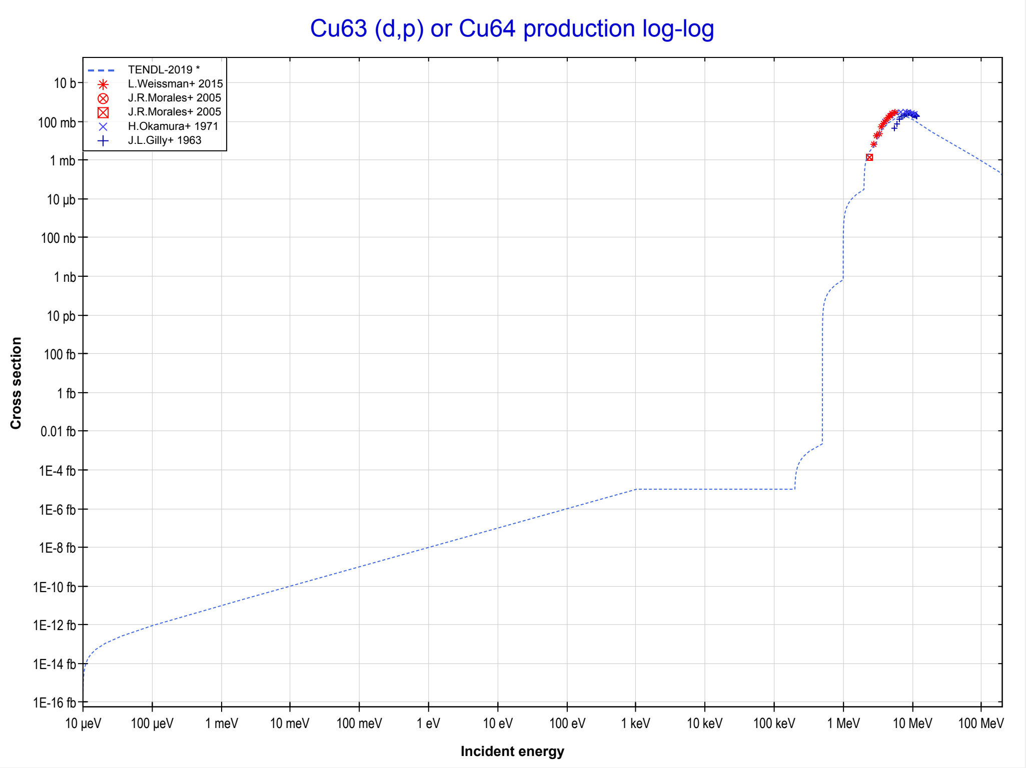
Cu63 (d,γ) or Zn65 production log-log

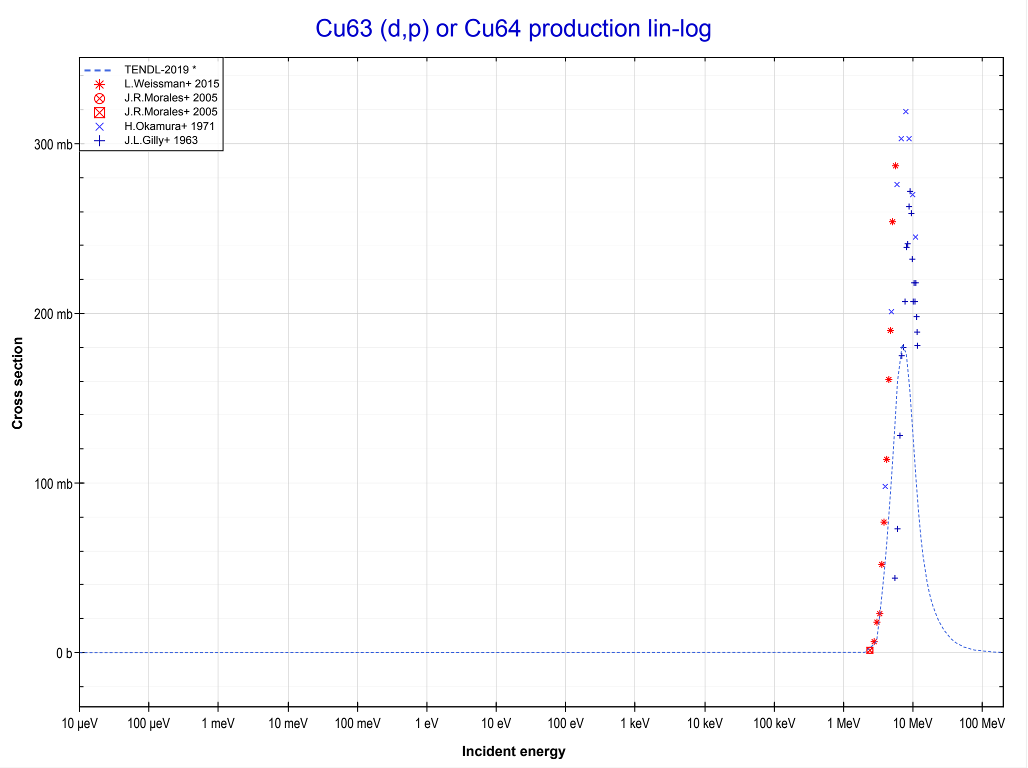


Cu63 (d,γ) or Zn65 production lin-log



Reaction	Q-Value
Cu63(d,γ)Zn65	13467.92 keV

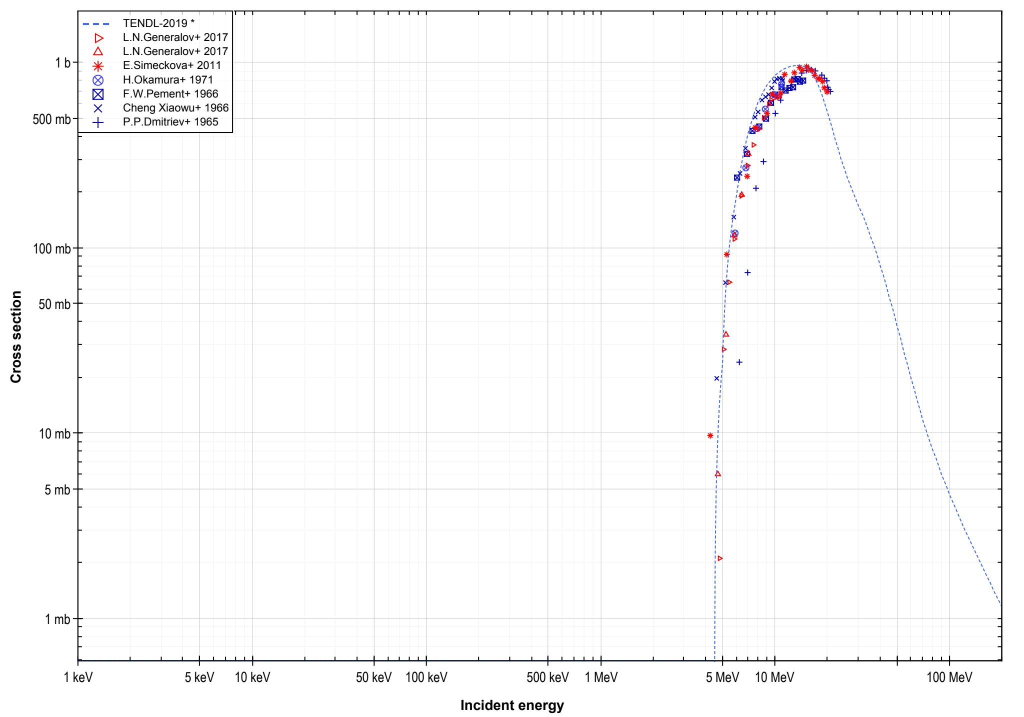




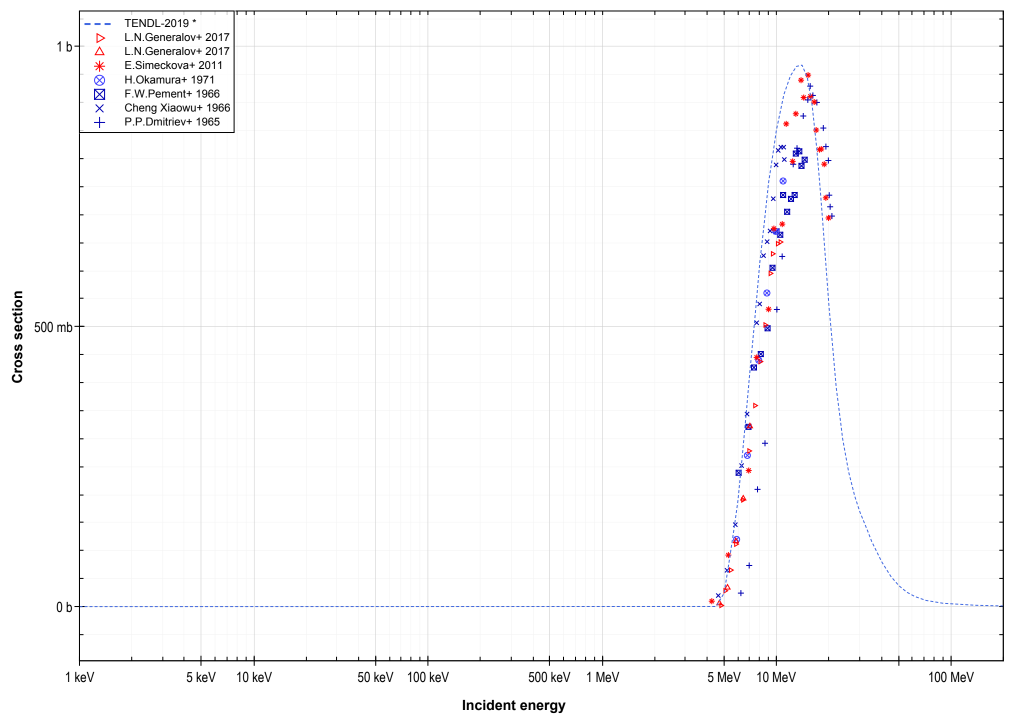
Reaction	Q-Value
Cu63(d,p)Cu64	5691.45 keV

<< 29-Cu-63	**29-Cu-65**	30-Zn-64 >>
<< 29-Cu-63 MT103 (d,p)	**MT16 (d,2n) or MT5 (Zn65 production)**	MT103 (d,p) >>

Cu65 (d,2n) or Zn65 production log-log

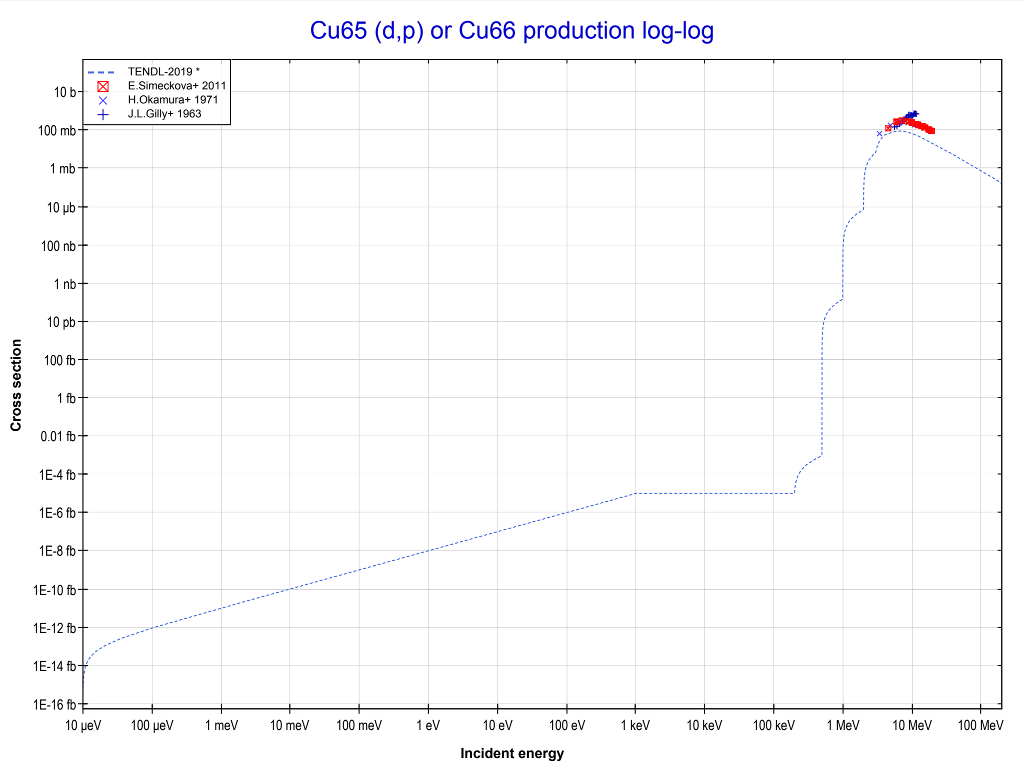


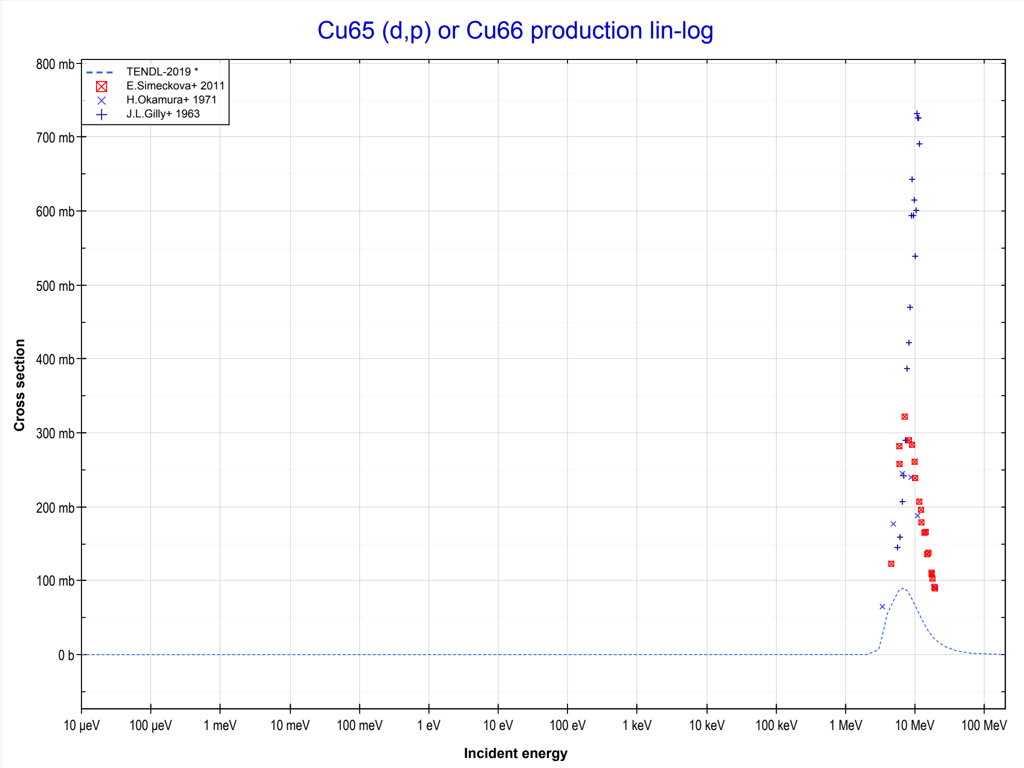
Cu65 (d,2n) or Zn65 production lin-log



Reaction	Q-Value
Cu65(d,2n)Zn65	-4358.61 keV

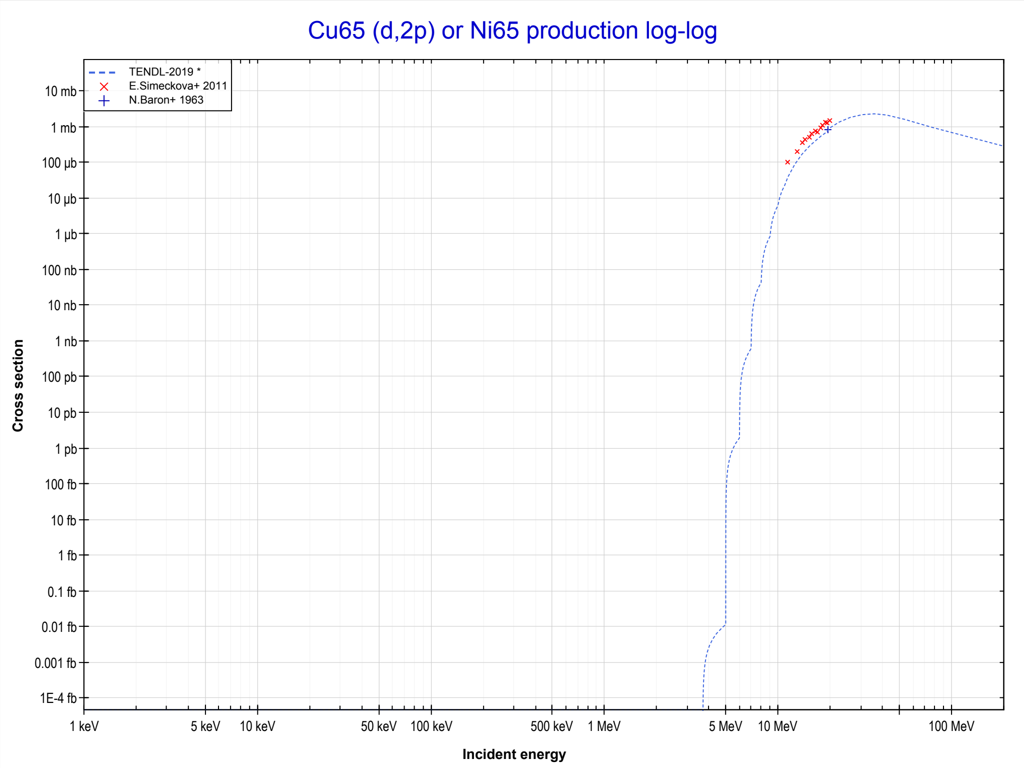
<< 29-Cu-63	**29-Cu-65**	30-Zn-68 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Cu66 production)**	MT111 (d,2p) >>

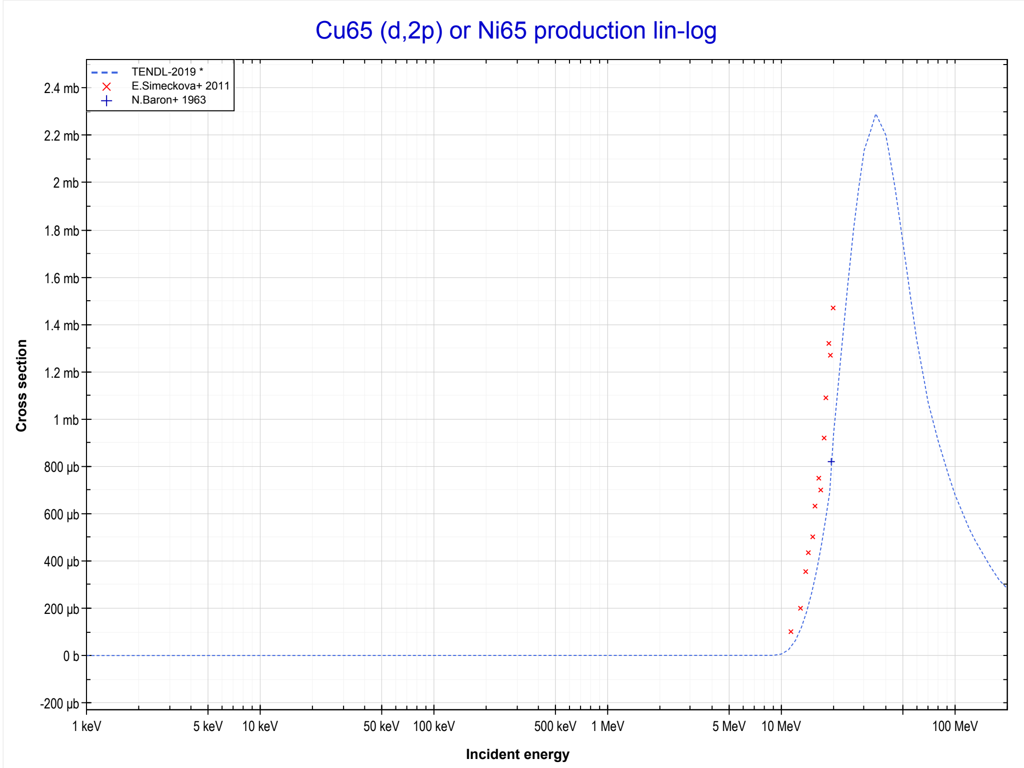




Reaction	Q-Value
Cu65(d,p)Cu66	4841.35 keV

<< 28-Ni-58	**29-Cu-65**	30-Zn-64 >>
<< MT103 (d,p)	**MT111 (d,2p) or MT5 (Ni65 production)**	30-Zn-64 MT4 (d,n) >>

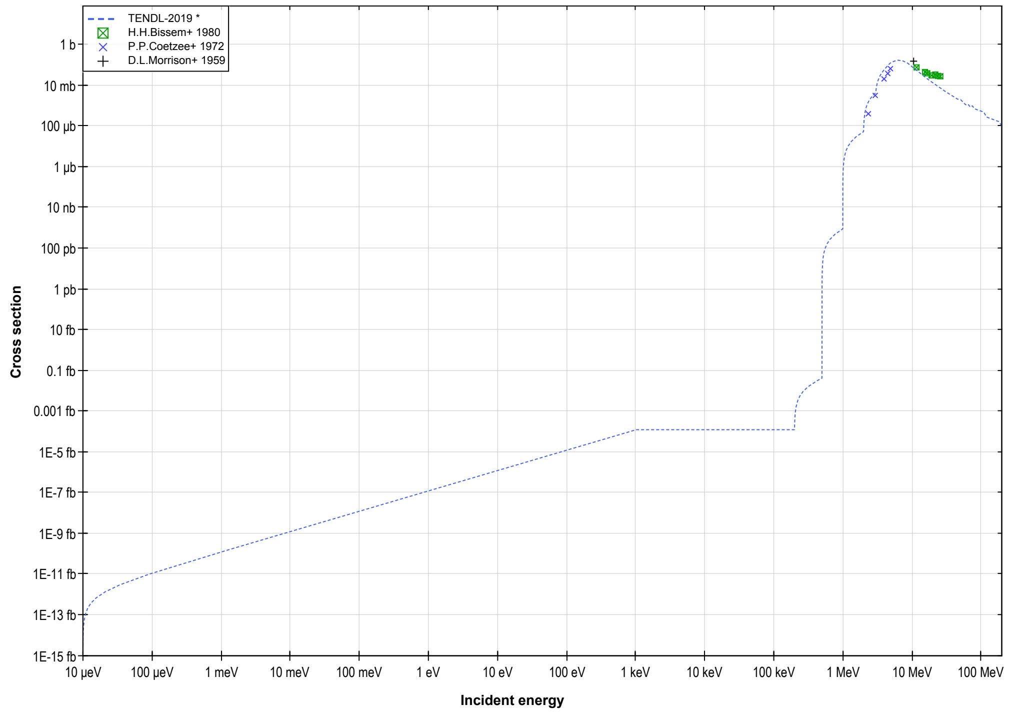




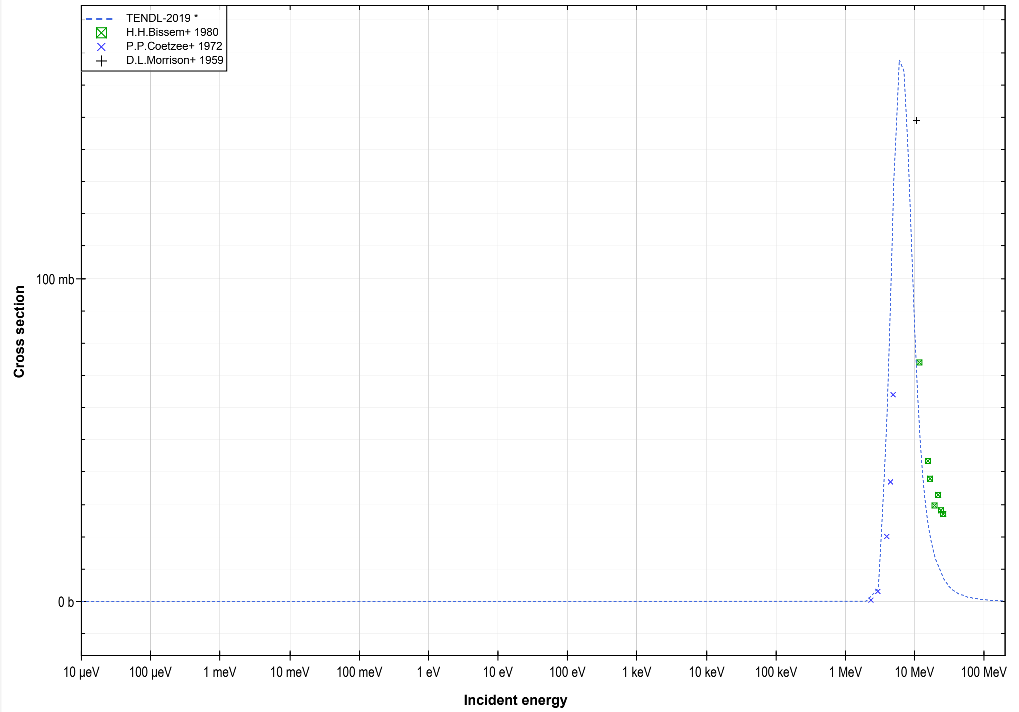
Reaction	Q-Value
Cu65(d,2p)Ni65	-3580.22 keV

<< 28-Ni-61	**30-Zn-64**	30-Zn-66 >>
<< 29-Cu-65 MT111 (d,2p)	**MT4 (d,n) or MT5 (Ga65 production)**	MT16 (d,2n) >>

Zn64 (d,n) or Ga65 production log-log



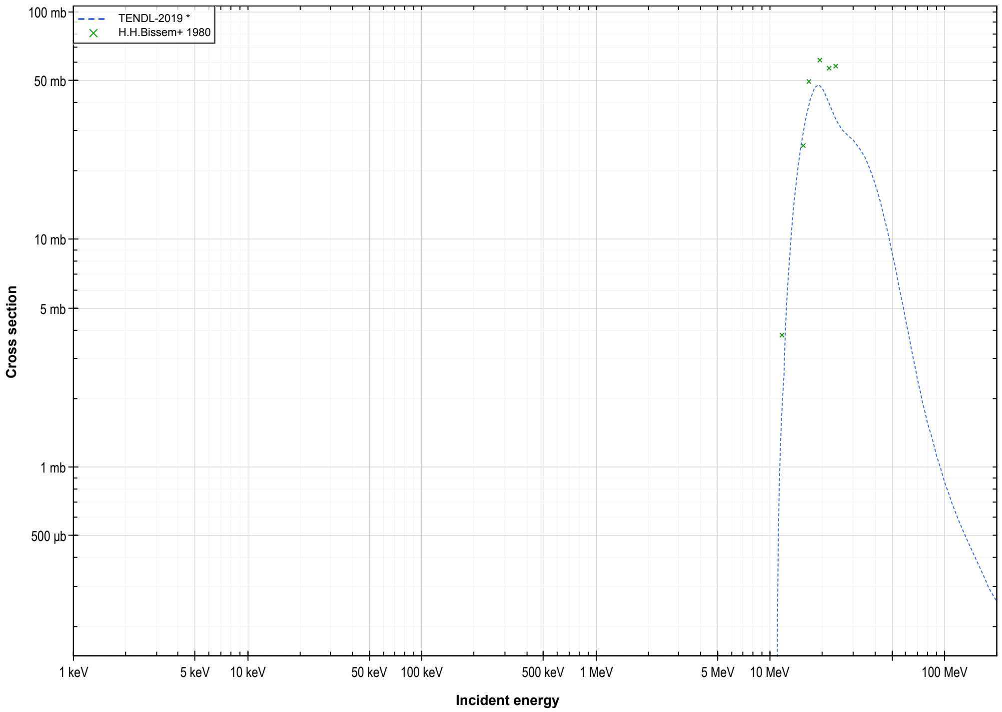
Zn64 (d,n) or Ga65 production lin-log



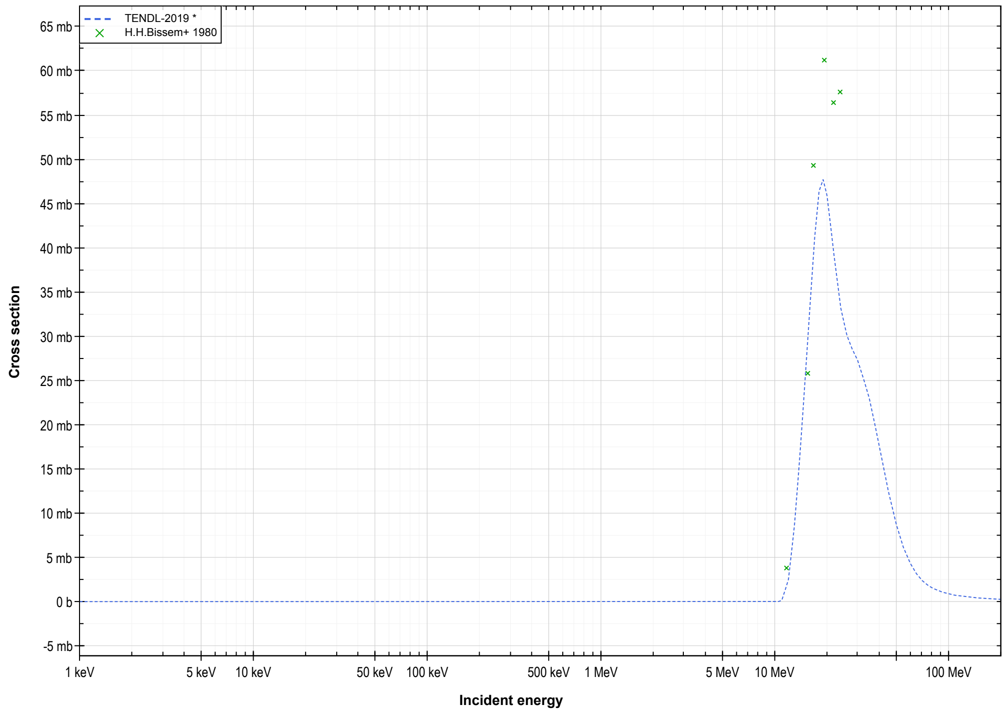
Reaction	Q-Value
Zn64(d,n)Ga65	1717.90 keV

<< 29-Cu-65	**30-Zn-64**	30-Zn-66 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Ga64 production)**	MT22 (d,n+α) >>

Zn64 (d,2n) or Ga64 production log-log

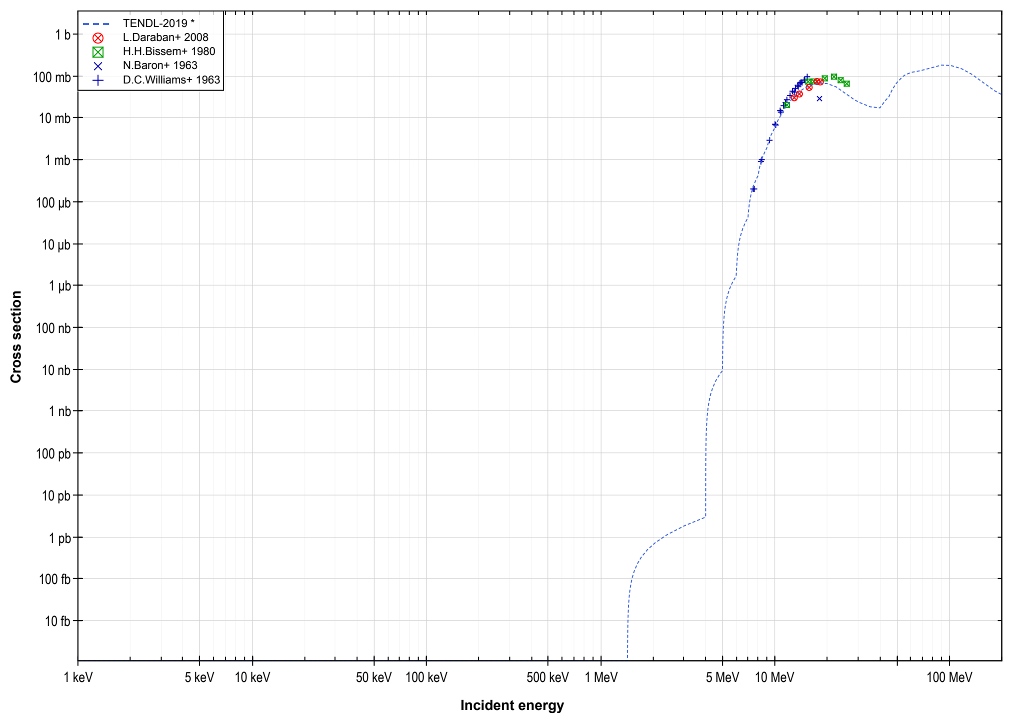


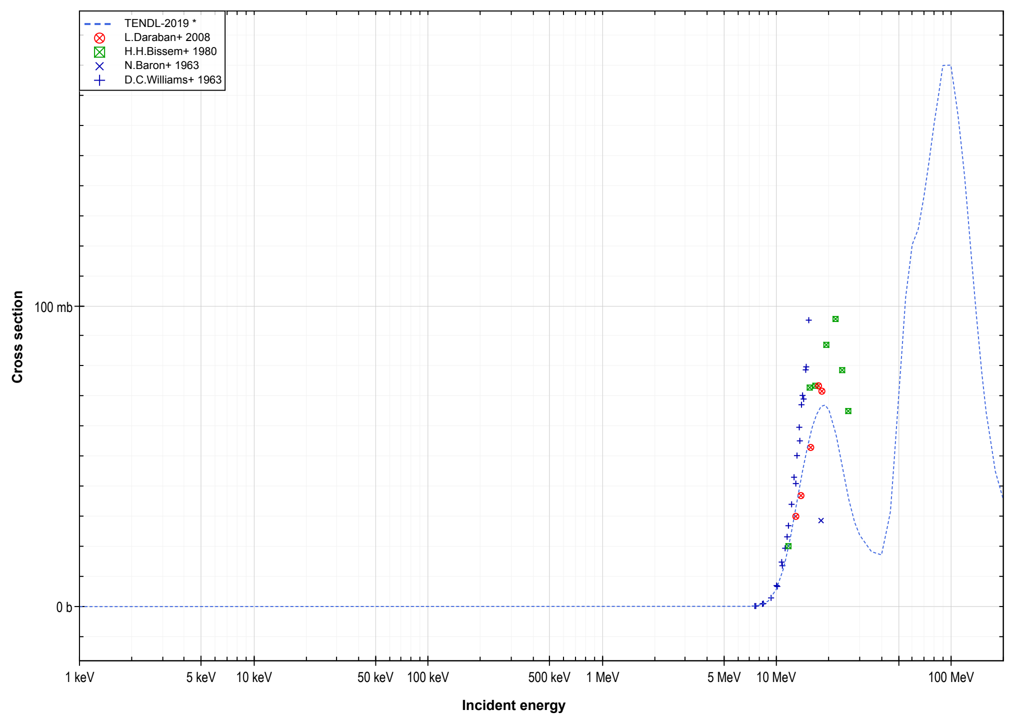
Zn64 (d,2n) or Ga64 production lin-log



Reaction	Q-Value
Zn64(d,2n)Ga64	-10178.11 keV

<< 28-Ni-58	**30-Zn-64**	30-Zn-67 >>
<< MT16 (d,2n)	**MT22 (d,n+α) or MT5 (Cu61 production)**	MT102 (d,γ) >>

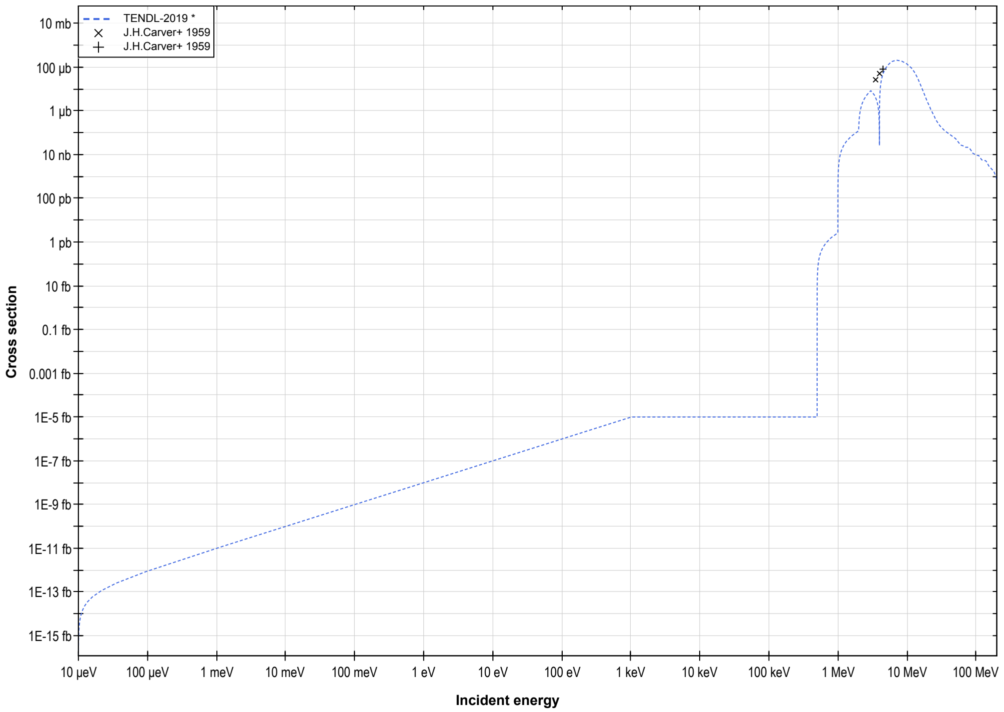




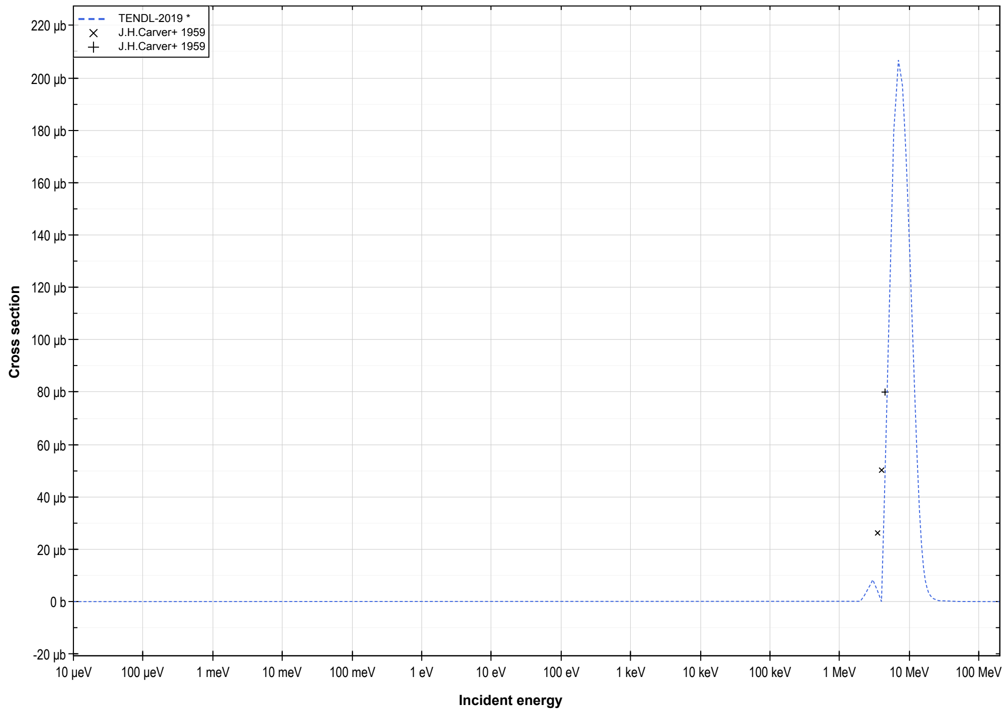
Reaction	Q-Value
Zn64(d,n+α)Cu61	-1380.41 keV
Zn64(d,d+t)Cu61	-18969.71 keV
Zn64(d,n+p+t)Cu61	-21194.28 keV
Zn64(d,2n+He3)Cu61	-21958.03 keV
Zn64(d,n+2d)Cu61	-25226.94 keV
Zn64(d,2n+p+d)Cu61	-27451.50 keV
Zn64(d,3n+2p)Cu61	-29676.07 keV

<< 29-Cu-63	**30-Zn-64**	56-Ba-138 >>
<< MT22 (d,n+α)	**MT102 (d,γ) or MT5 (Ga66 production)**	MT108 (d,2α) >>

Zn64 (d,γ) or Ga66 production log-log



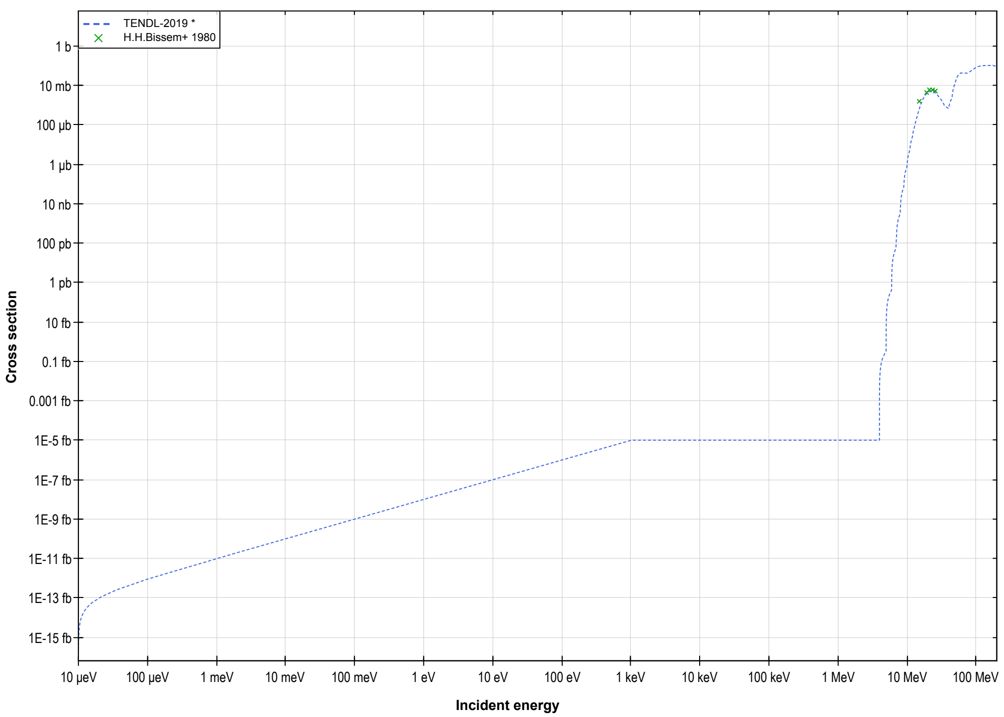
Zn64 (d,γ) or Ga66 production lin-log



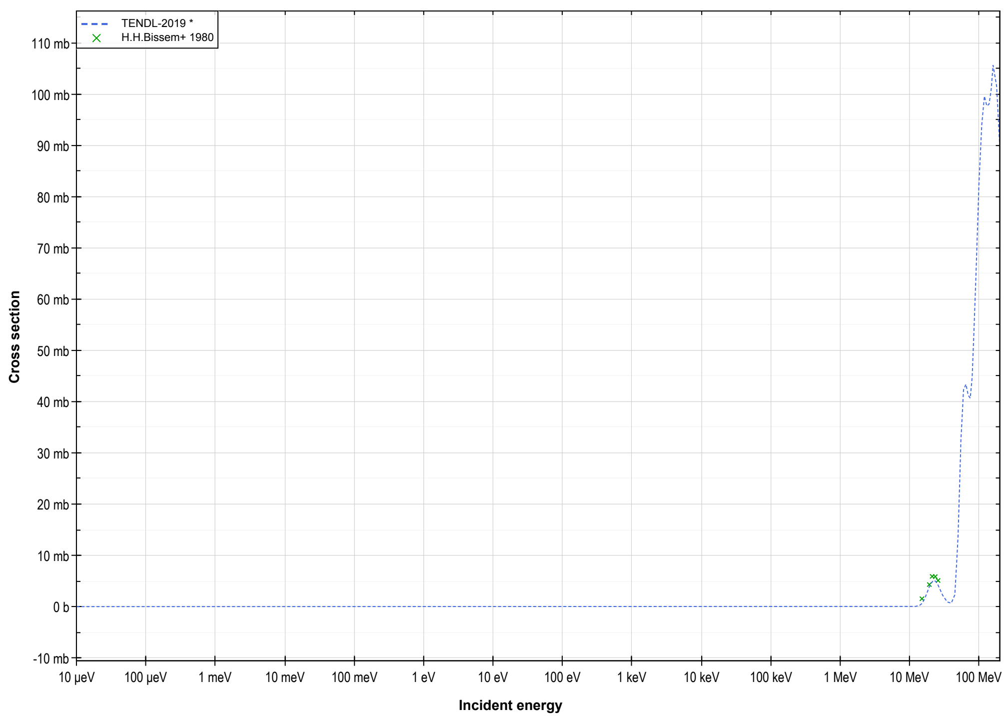
Reaction	Q-Value
Zn64(d,γ)Ga66	10855.42 keV

<< 12-Mg-24	**30-Zn-64**	
<< MT102 (d,γ)	**MT108 (d,2α) or MT5 (Co58 production)**	MT111 (d,2p) >>

Zn64 (d,2α) or Co58 production log-log

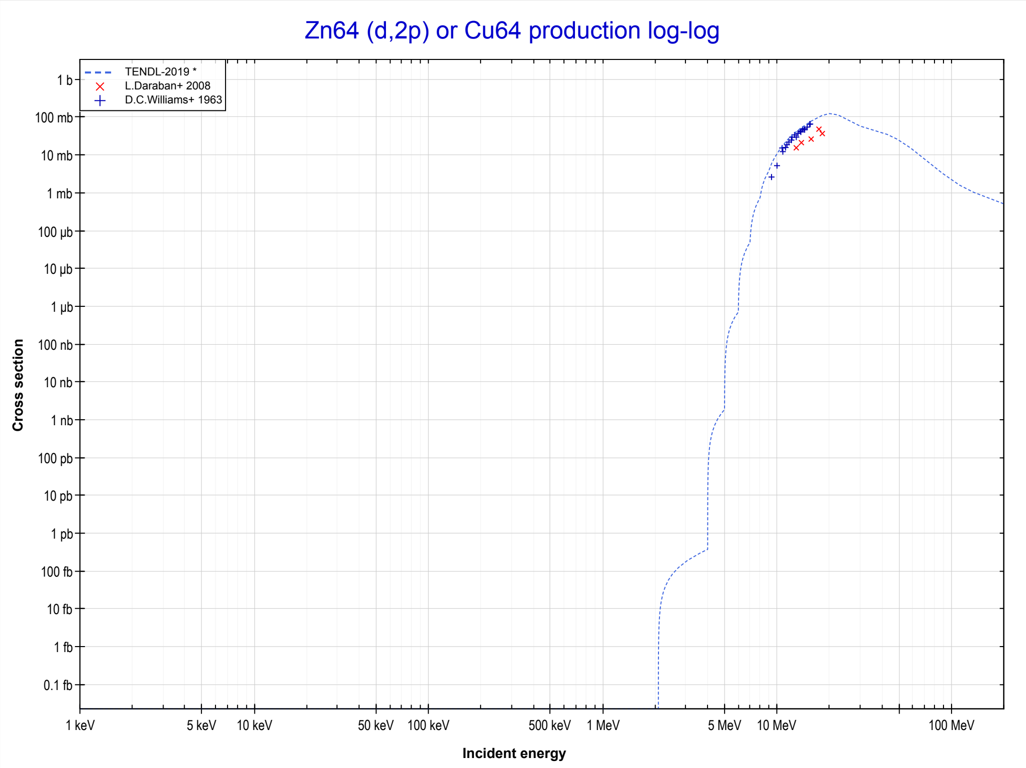


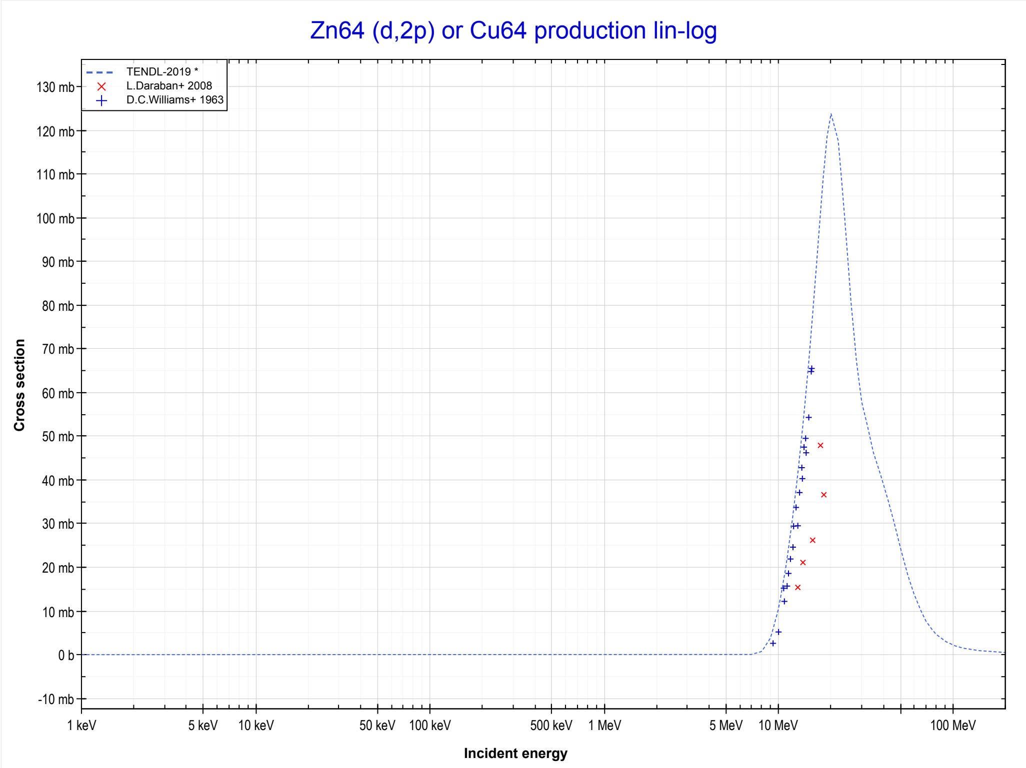
Zn64 (d,2α) or Co58 production lin-log



Reaction	Q-Value	Reaction	Q-Value
Zn64(d,2α)Co58	2129.09 keV	Zn64(d,n+p+t+He3)Co58	-38262.39 keV
Zn64(d,p+t+α)Co58	-17684.77 keV	Zn64(d,2n+2He3)Co58	-39026.15 keV
Zn64(d,n+He3+α)Co58	-18448.53 keV	Zn64(d,p+2d+t)Co58	-41531.30 keV
Zn64(d,2d+α)Co58	-21717.44 keV	Zn64(d,n+2d+He3)Co58	-42295.06 keV
Zn64(d,n+p+d+α)Co58	-23942.00 keV	Zn64(d,n+2p+d+t)Co58	-43755.87 keV
Zn64(d,2n+2p+α)Co58	-26166.57 keV	Zn64(d,2n+p+d+He3)Co58	-44519.62 keV
Zn64(d,d+t+He3)Co58	-36037.83 keV	Zn64(d,4d)Co58	-45563.97 keV
Zn64(d,2p+2t)Co58	-37498.64 keV	Zn64(d,2n+3p+t)Co58	-45980.43 keV

<< 29-Cu-65	**30-Zn-64**	30-Zn-67 >>
<< MT108 (d,2α)	**MT111 (d,2p) or MT5 (Cu64 production)**	30-Zn-66 MT4 (d,n) >>

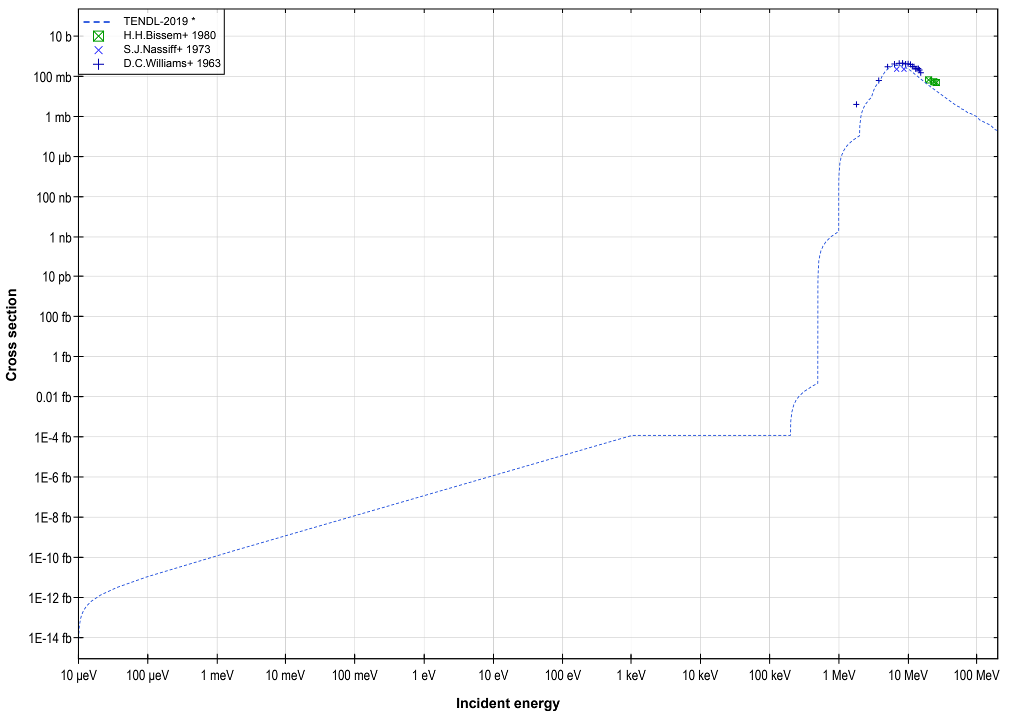




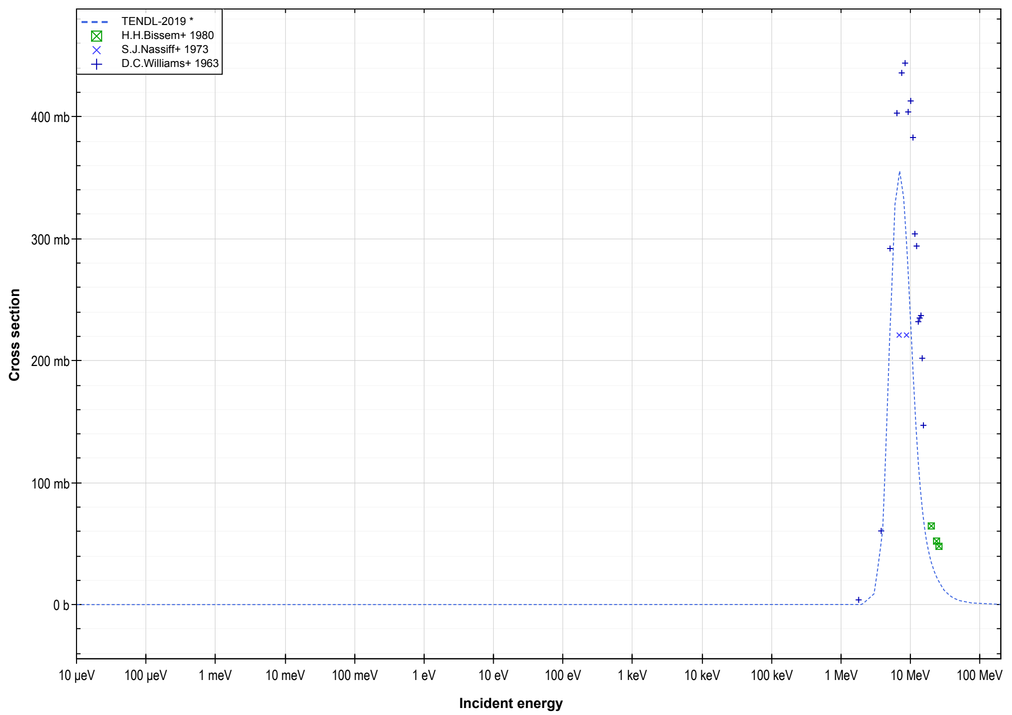
Reaction	Q-Value
Zn64(d,2p)Cu64	-2021.72 keV

<< 30-Zn-64	**30-Zn-66**	34-Se-74 >>
<< 30-Zn-64 MT111 (d,2p)	**MT4 (d,n) or MT5 (Ga67 production)**	MT16 (d,2n) >>

Zn66 (d,n) or Ga67 production log-log



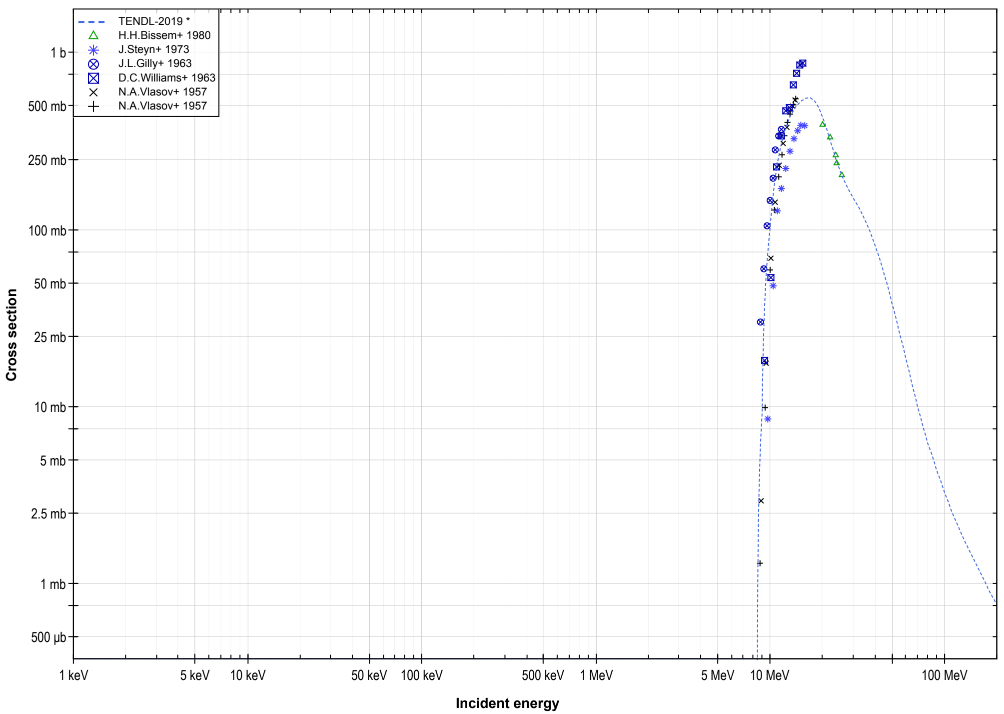
Zn66 (d,n) or Ga67 production lin-log



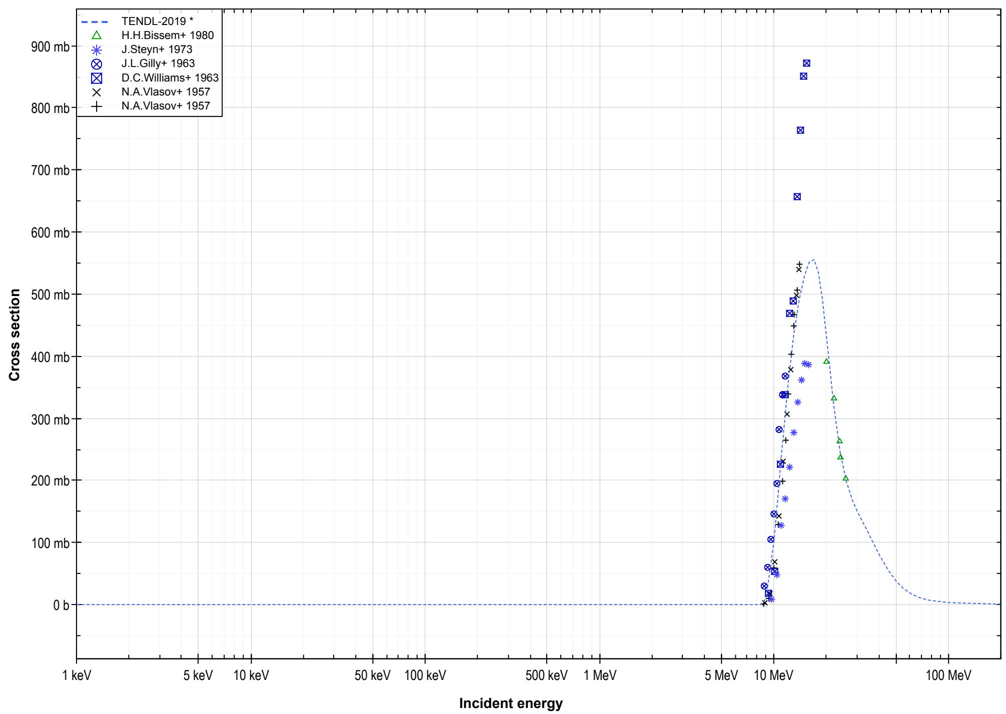
Reaction	Q-Value
Zn66(d,n)Ga67	3044.20 keV

<< 30-Zn-64	**30-Zn-66**	30-Zn-68 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Ga66 production)**	MT17 (d,3n) >>

Zn66 (d,2n) or Ga66 production log-log

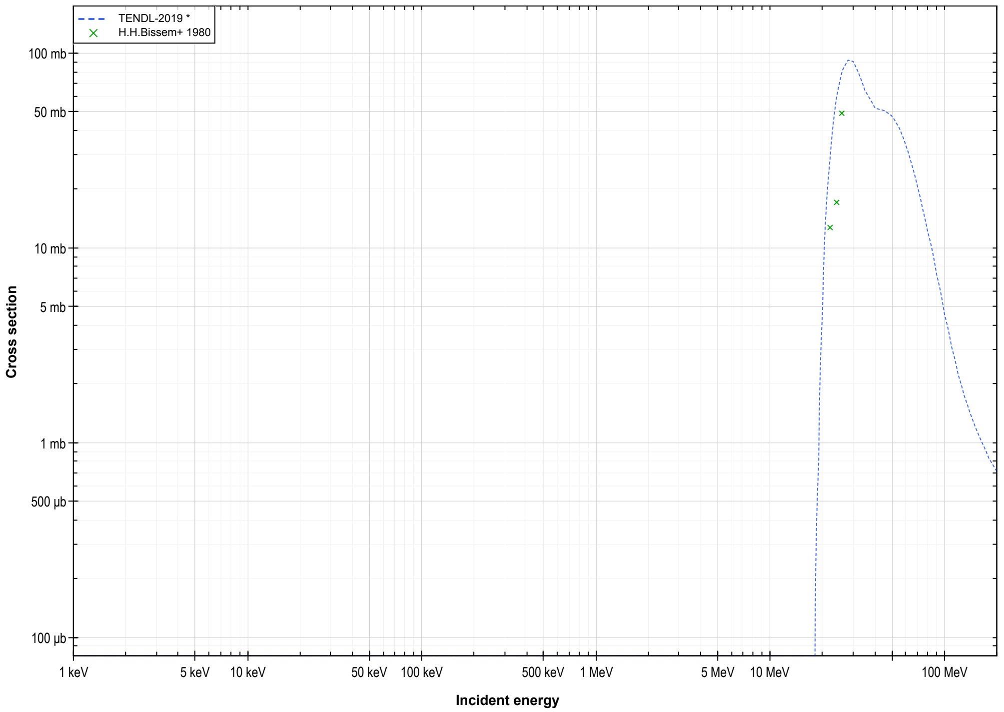


Zn66 (d,2n) or Ga66 production lin-log

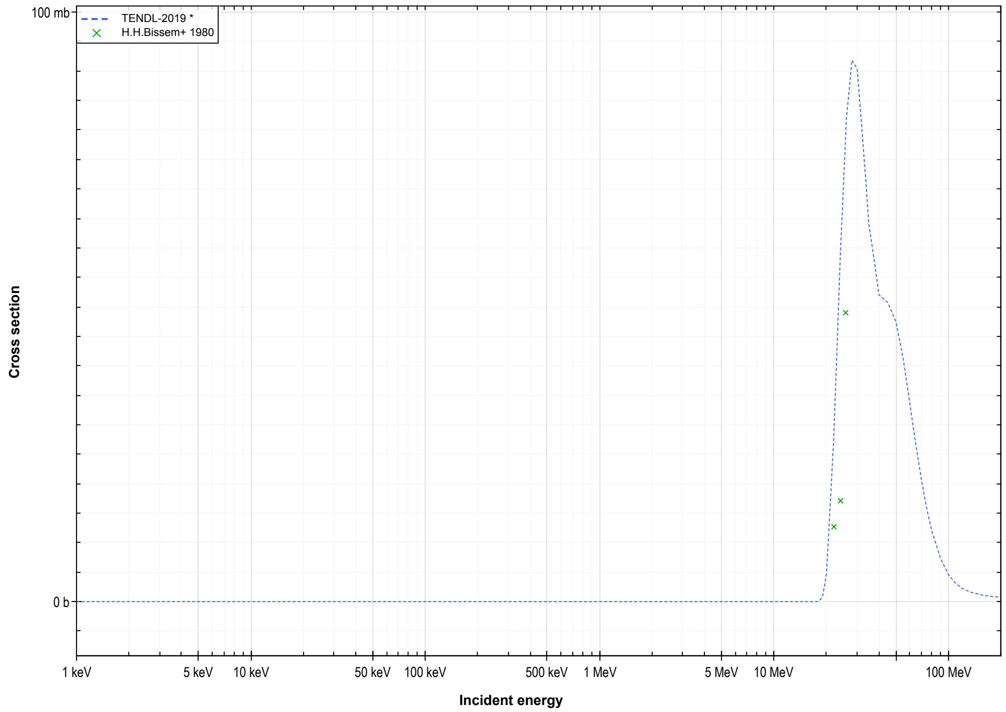


Reaction	Q-Value
Zn66(d,2n)Ga66	-8182.41 keV

Zn66 (d,3n) or Ga65 production log-log

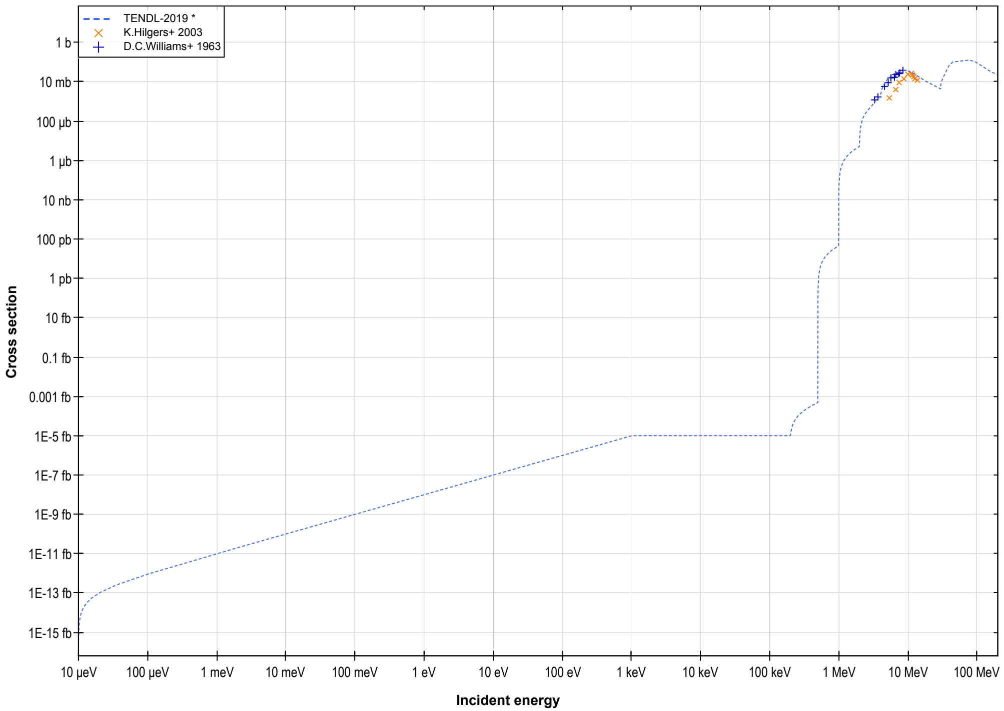


Zn66 (d,3n) or Ga65 production lin-log

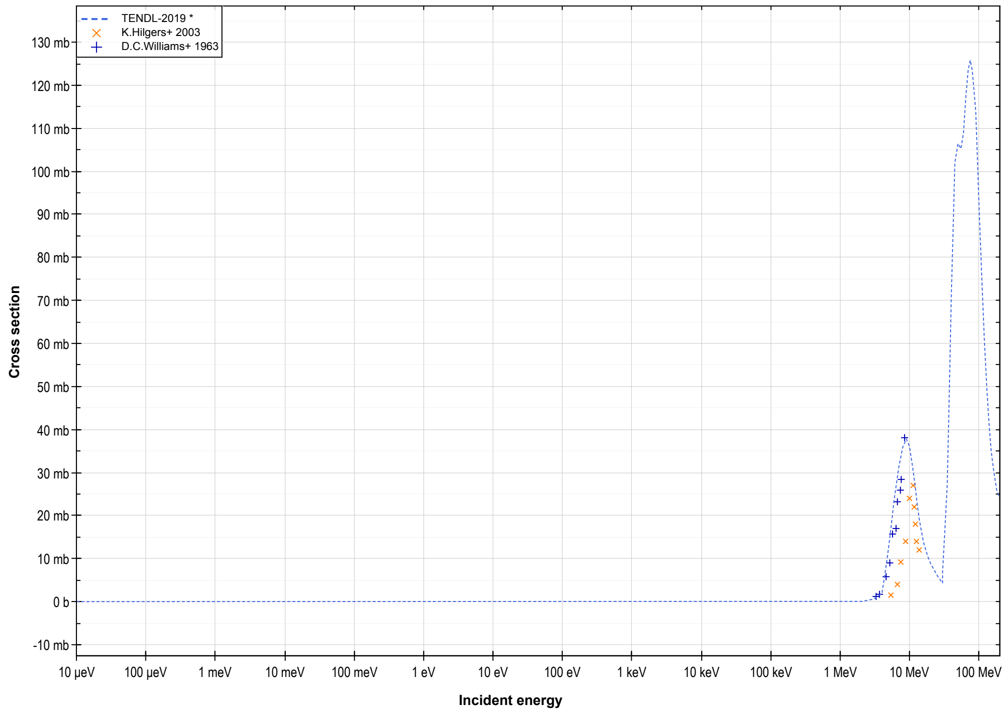


Reaction	Q-Value
Zn66(d,3n)Ga65	-17319.93 keV

Zn66 (d,α) or Cu64 production log-log

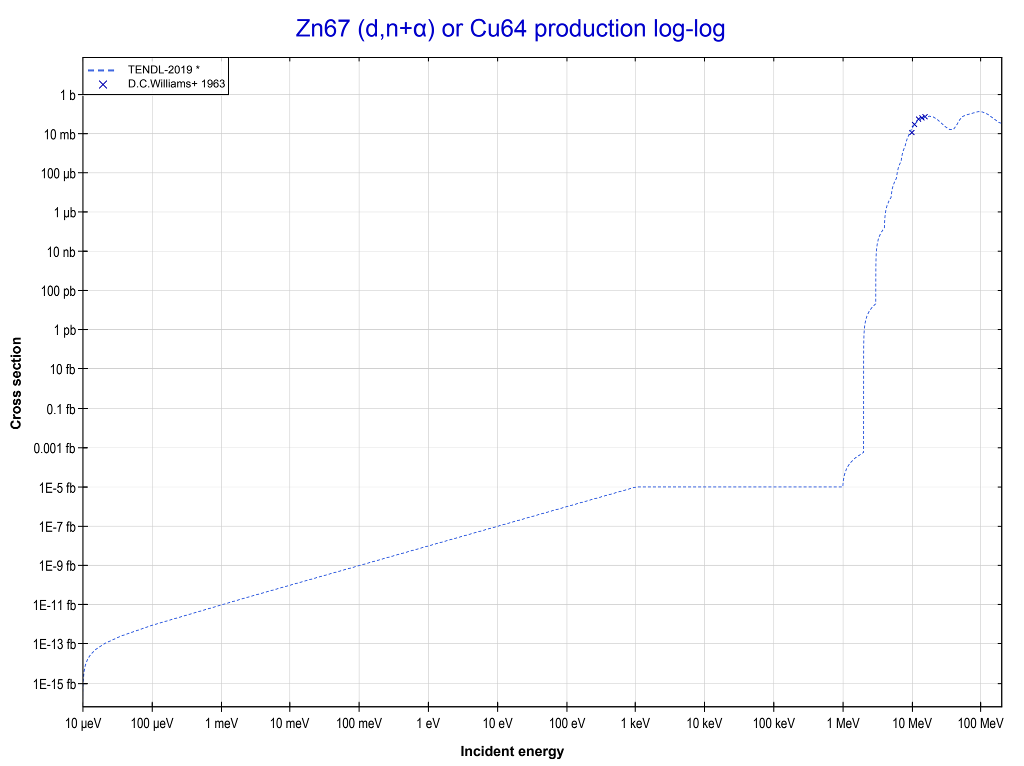


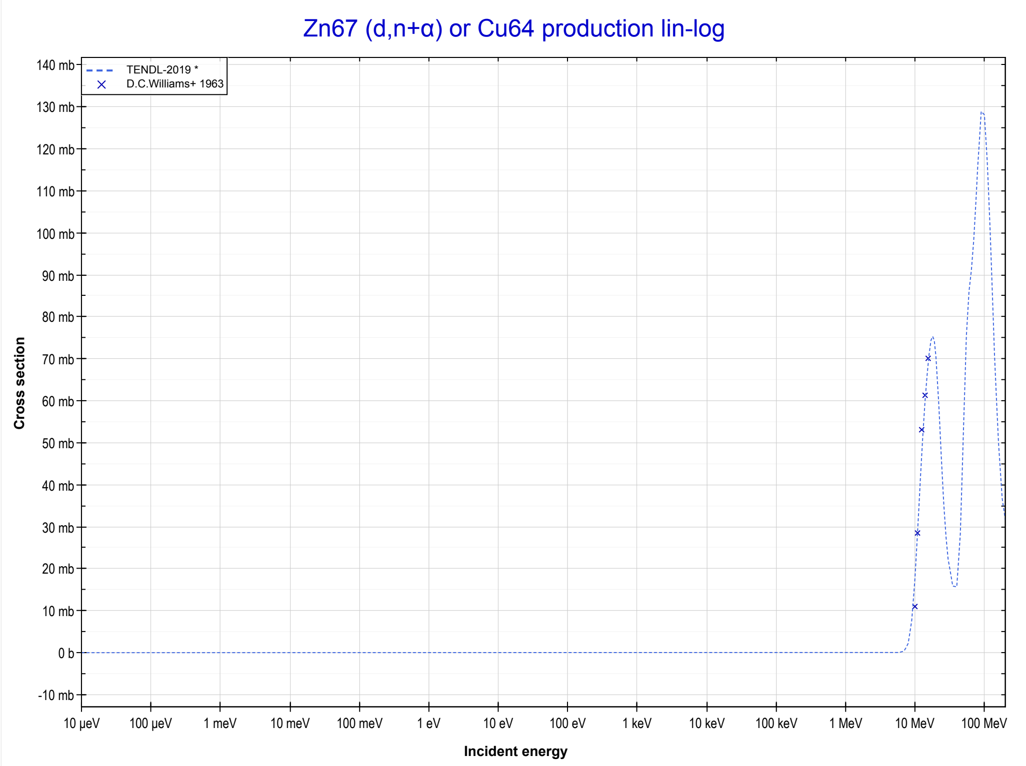
Zn66 (d,α) or Cu64 production lin-log



Reaction	Q-Value
Zn66(d,α)Cu64	7236.11 keV
Zn66(d,p+t)Cu64	-12577.76 keV
Zn66(d,n+He3)Cu64	-13341.51 keV
Zn66(d,2d)Cu64	-16610.42 keV
Zn66(d,n+p+d)Cu64	-18834.99 keV
Zn66(d,2n+2p)Cu64	-21059.55 keV

<< 30-Zn-64	**30-Zn-67**	30-Zn-70 >>
<< 30-Zn-66 MT107 (d,α)	**MT22 (d,n+α) or MT5 (Cu64 production)**	MT111 (d,2p) >>

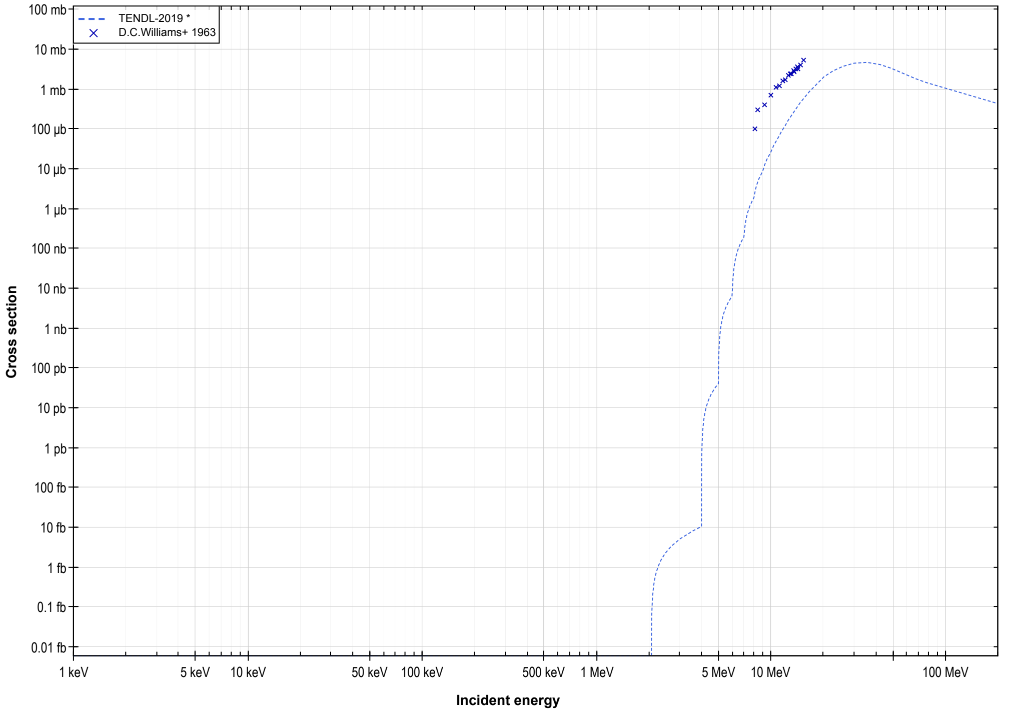




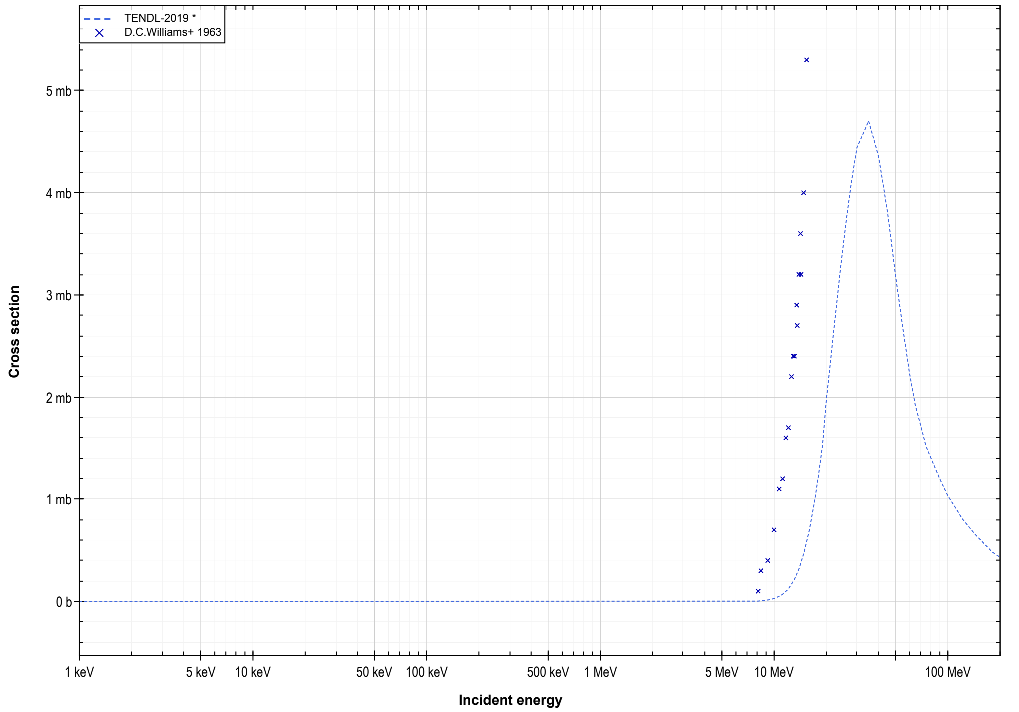
Reaction	Q-Value
Zn67(d,n+α)Cu64	183.69 keV
Zn67(d,d+t)Cu64	-17405.61 keV
Zn67(d,n+p+t)Cu64	-19630.18 keV
Zn67(d,2n+He3)Cu64	-20393.93 keV
Zn67(d,n+2d)Cu64	-23662.84 keV
Zn67(d,2n+p+d)Cu64	-25887.40 keV
Zn67(d,3n+2p)Cu64	-28111.97 keV

<< 30-Zn-64	**30-Zn-67**	39-Y-89 >>
<< MT22 (d,n+α)	**MT111 (d,2p) or MT5 (Cu67 production)**	30-Zn-68 MT16 (d,2n) >>

Zn67 (d,2p) or Cu67 production log-log



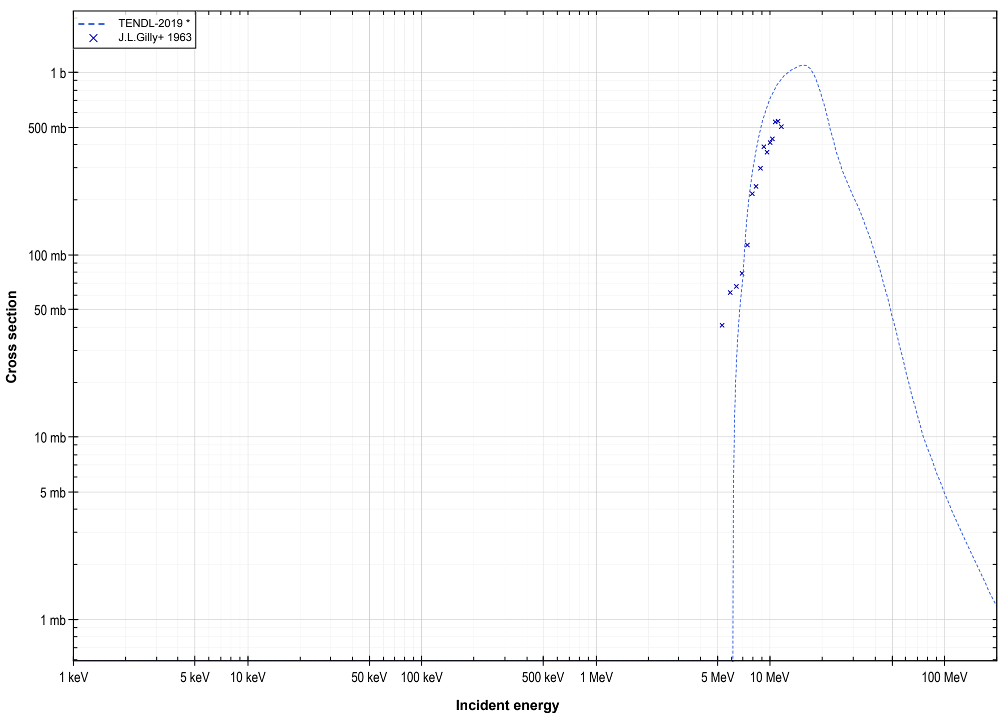
Zn67 (d,2p) or Cu67 production lin-log



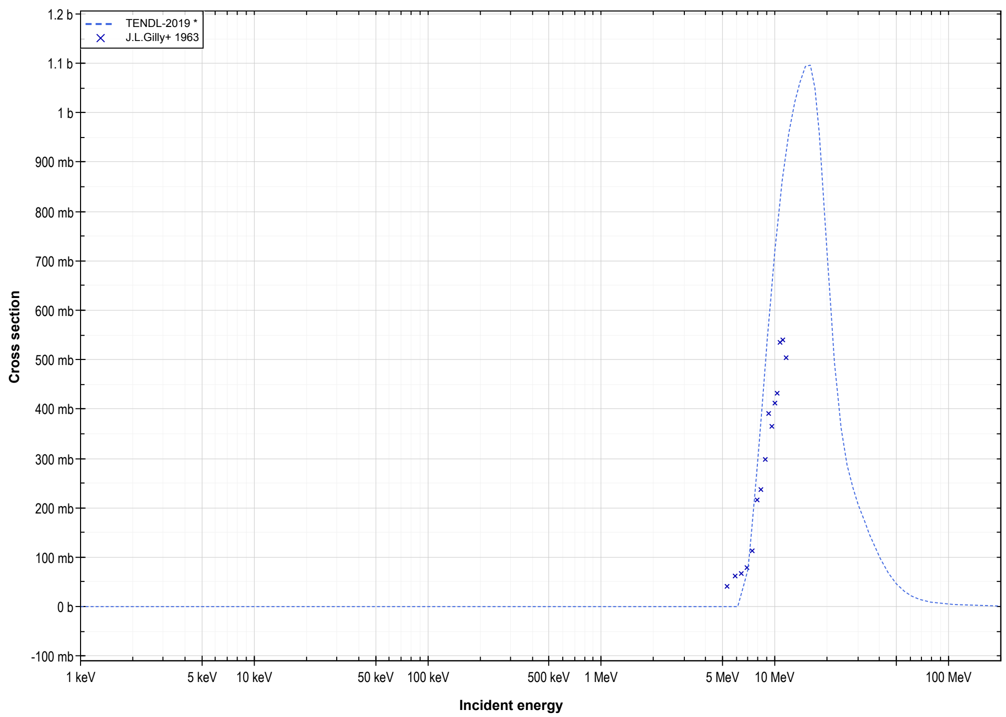
Reaction	Q-Value
Zn67(d,2p)Cu67	-2003.02 keV

<< 30-Zn-66	**30-Zn-68**	31-Ga-69 >>
<< 30-Zn-67 MT111 (d,2p)	**MT16 (d,2n) or MT5 (Ga68 production)**	MT103 (d,p) >>

Zn68 (d,2n) or Ga68 production log-log

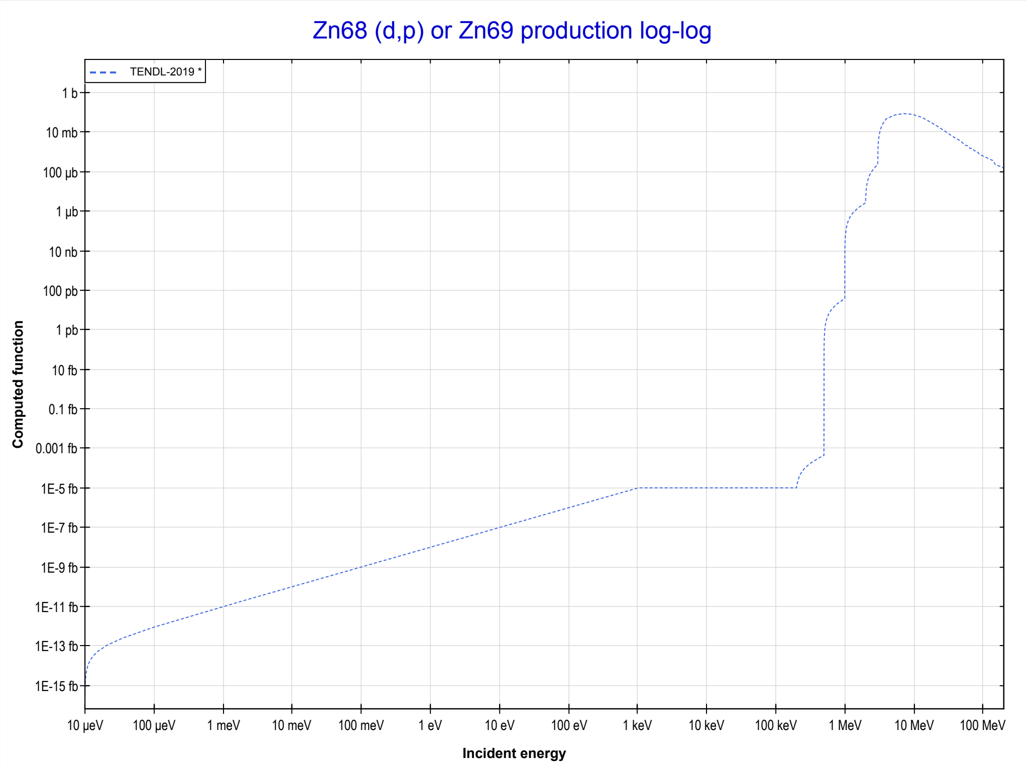


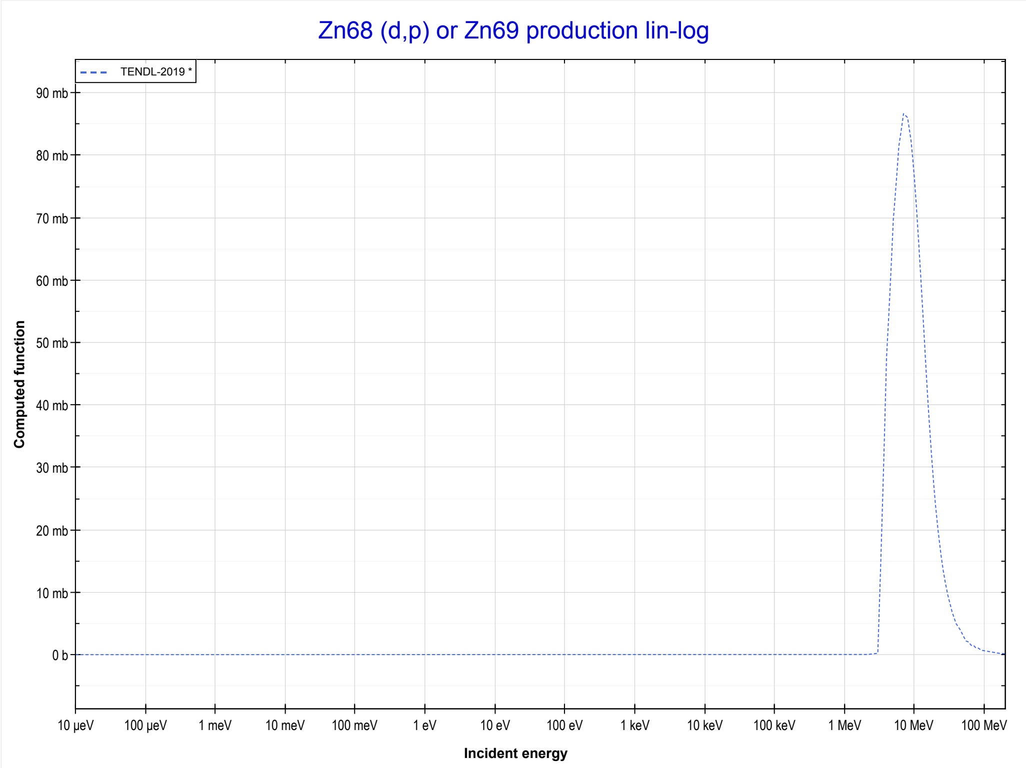
Zn68 (d,2n) or Ga68 production lin-log



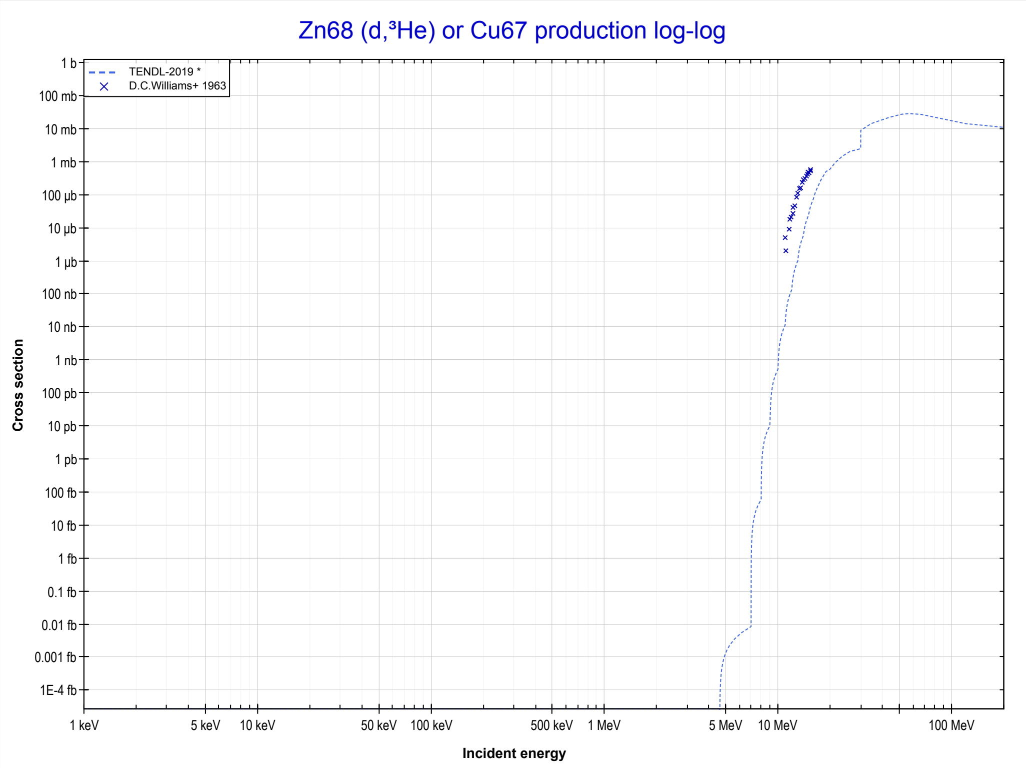
Reaction	Q-Value
Zn68(d,2n)Ga68	-5928.01 keV

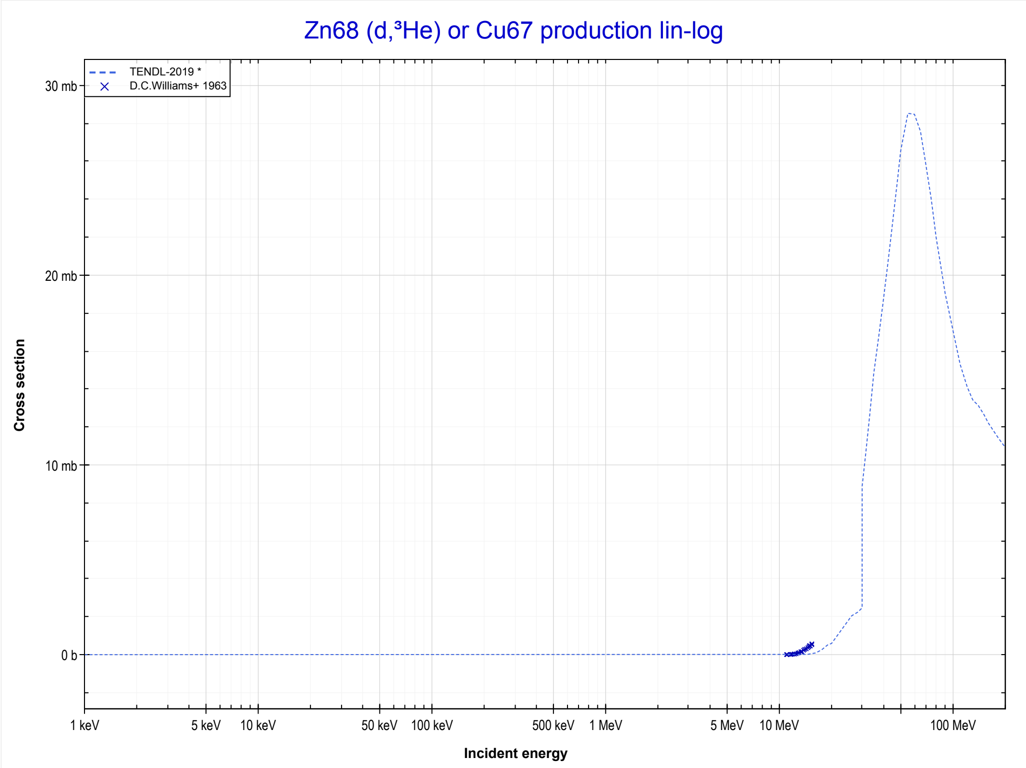
<< 29-Cu-65	**30-Zn-68**	31-Ga-71 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Zn69 production)**	MT106 (d,³He) >>





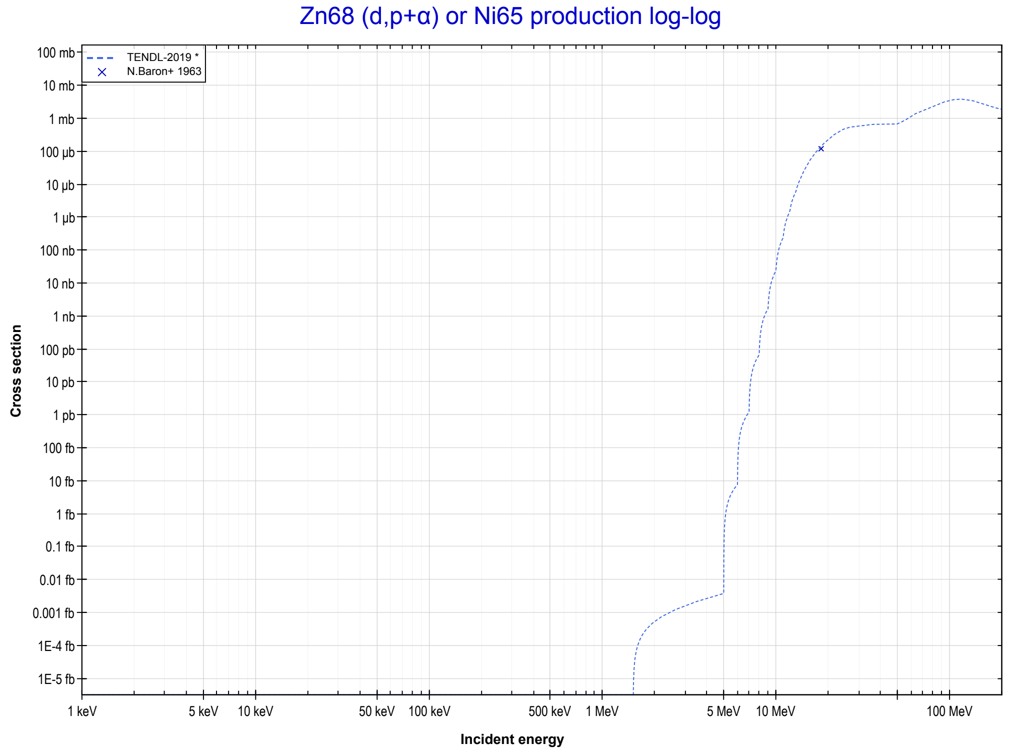
Reaction	Q-Value
Zn68(d,p)Zn69	4257.45 keV

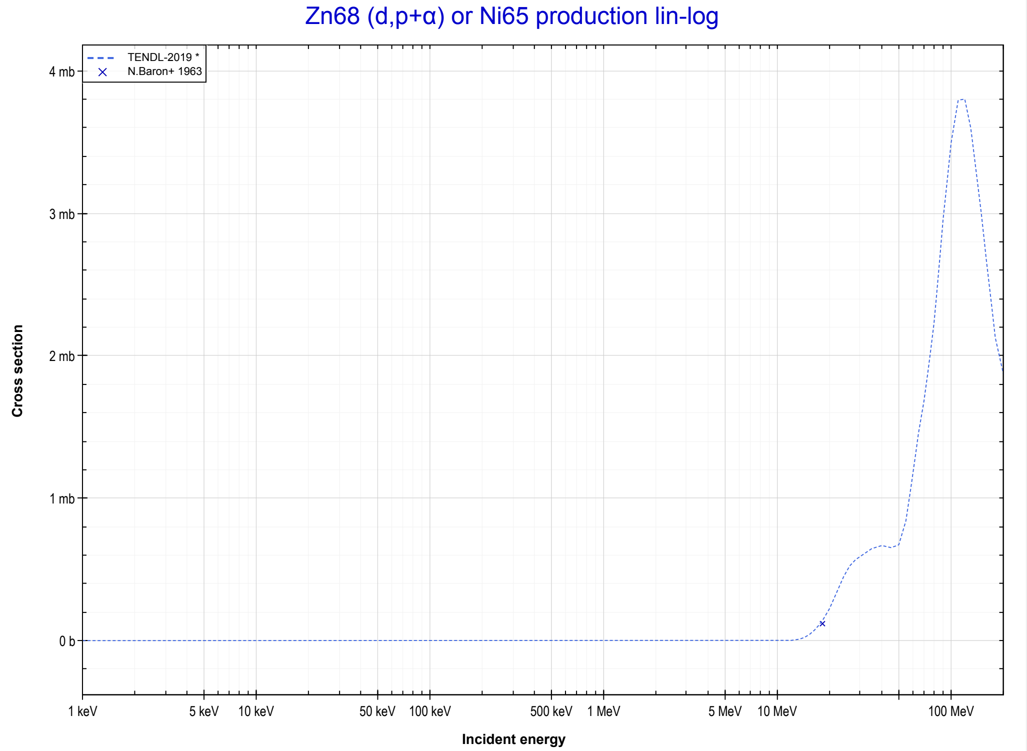




Reaction	Q-Value
Zn68(d,He3)Cu67	-4483.10 keV
Zn68(d,p+d)Cu67	-9976.57 keV
Zn68(d,n+2p)Cu67	-12201.14 keV

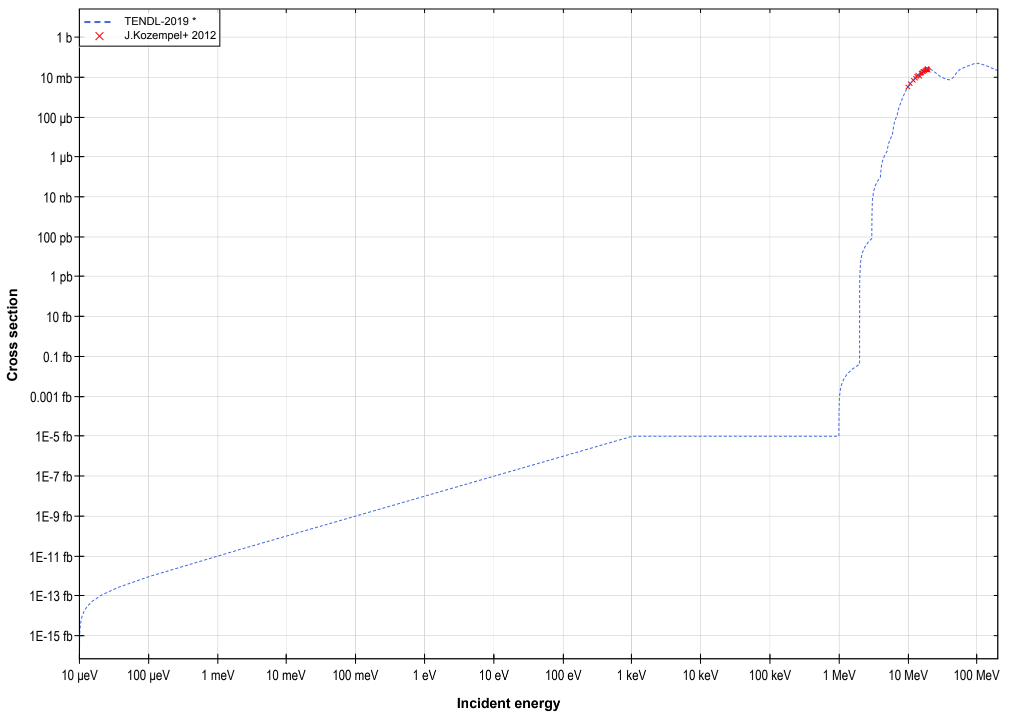
<< 28-Ni-62	**30-Zn-68**	33-As-75 >>
<< MT106 (d,³He)	**MT112 (d,p+α) or MT5 (Ni65 production)**	30-Zn-70 MT22 (d,n+α) >>



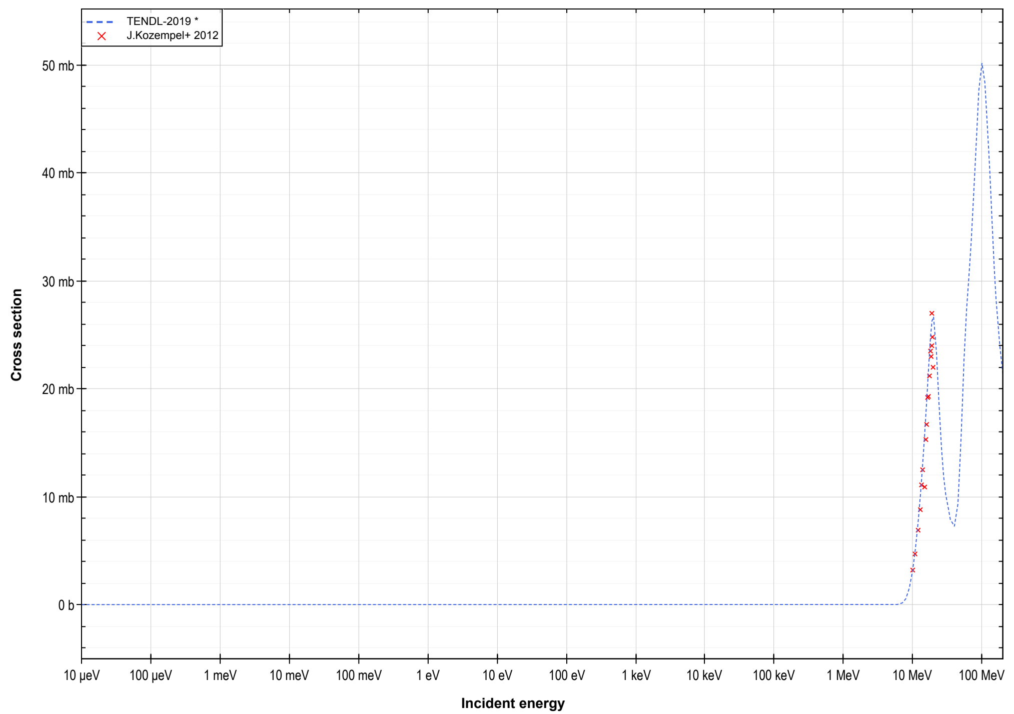


Reaction	Q-Value
Zn68(d,p+α)Ni65	-1459.56 keV
Zn68(d,d+He3)Ni65	-19812.62 keV
Zn68(d,2p+t)Ni65	-21273.43 keV
Zn68(d,n+p+He3)Ni65	-22037.18 keV
Zn68(d,p+2d)Ni65	-25306.09 keV
Zn68(d,n+2p+d)Ni65	-27530.66 keV
Zn68(d,2n+3p)Ni65	-29755.22 keV

Zn70 (d,n+α) or Cu67 production log-log

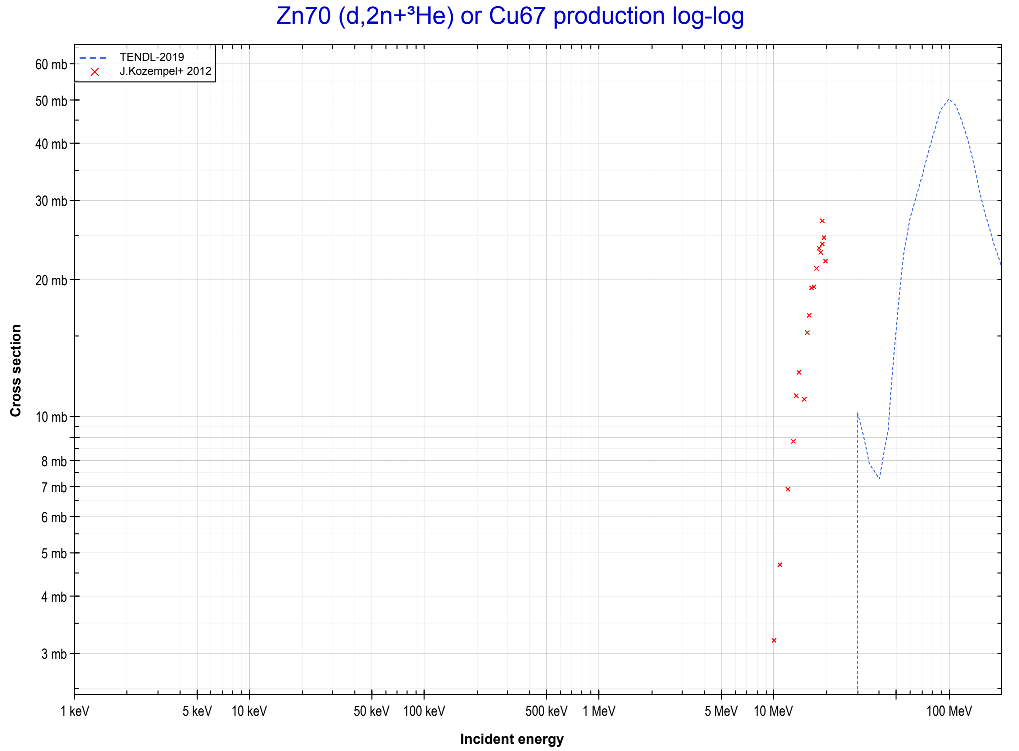


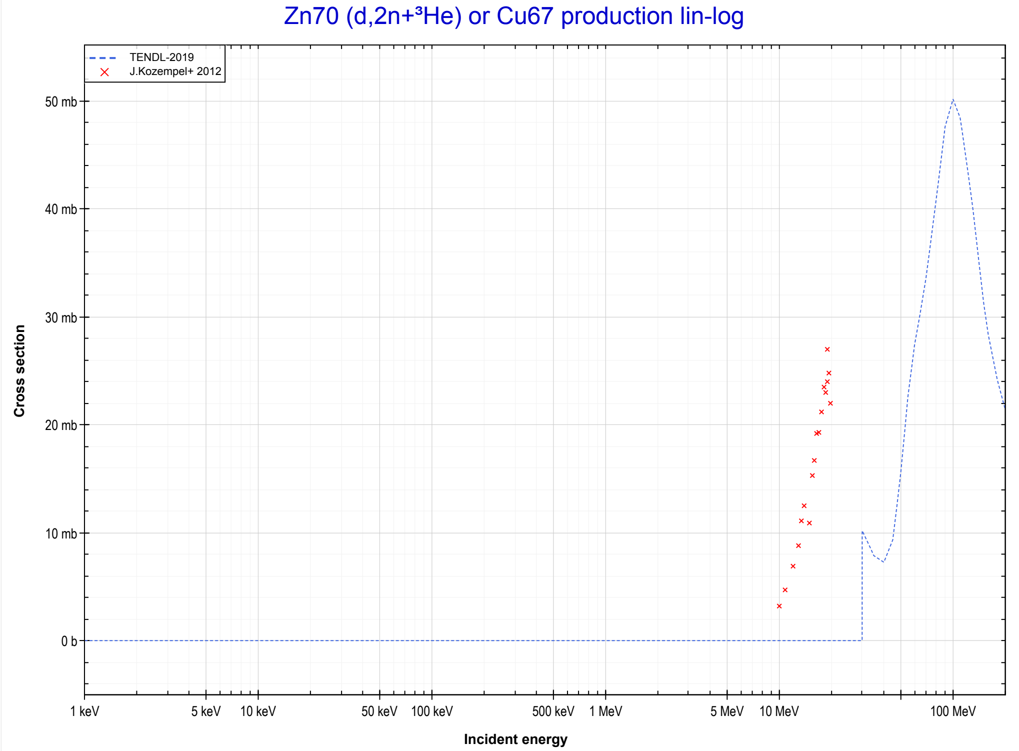
Zn70 (d,n+α) or Cu67 production lin-log



Reaction	Q-Value
Zn70(d,n+α)Cu67	394.29 keV
Zn70(d,d+t)Cu67	-17195.01 keV
Zn70(d,n+p+t)Cu67	-19419.58 keV
Zn70(d,2n+He3)Cu67	-20183.33 keV
Zn70(d,n+2d)Cu67	-23452.24 keV
Zn70(d,2n+p+d)Cu67	-25676.80 keV
Zn70(d,3n+2p)Cu67	-27901.37 keV

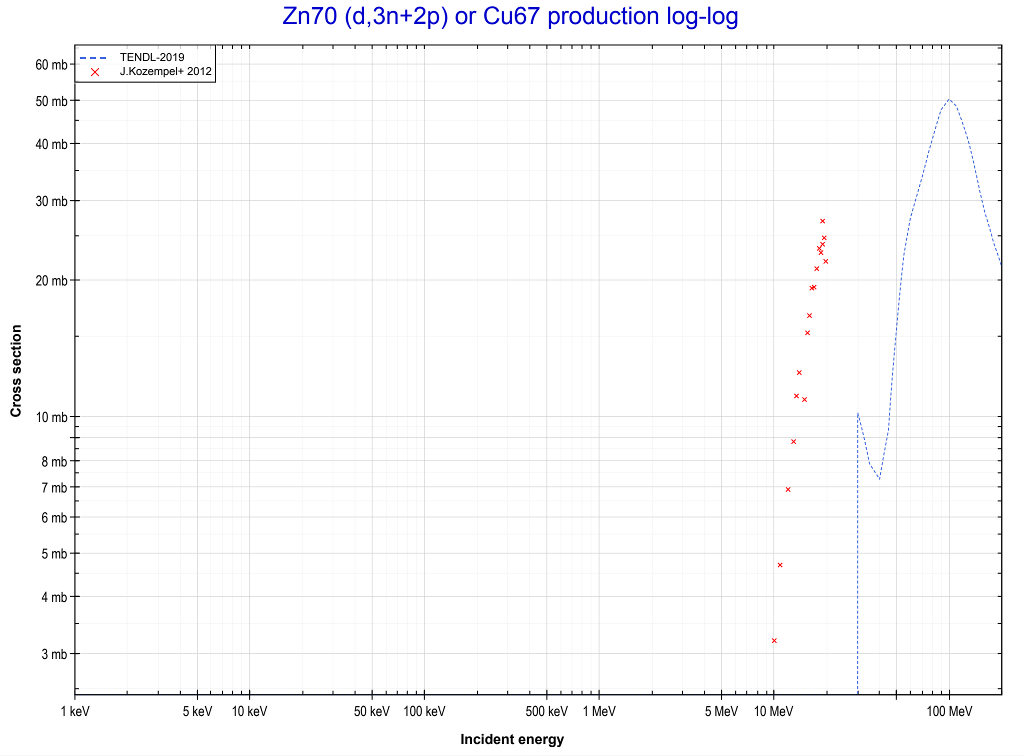
	30-Zn-70	40-Zr-91 >>
<< MT22 (d,n+α)	**MT176 (d,2n+³He) or MT5 (Cu67 production)**	MT179 (d,3n+2p) >>

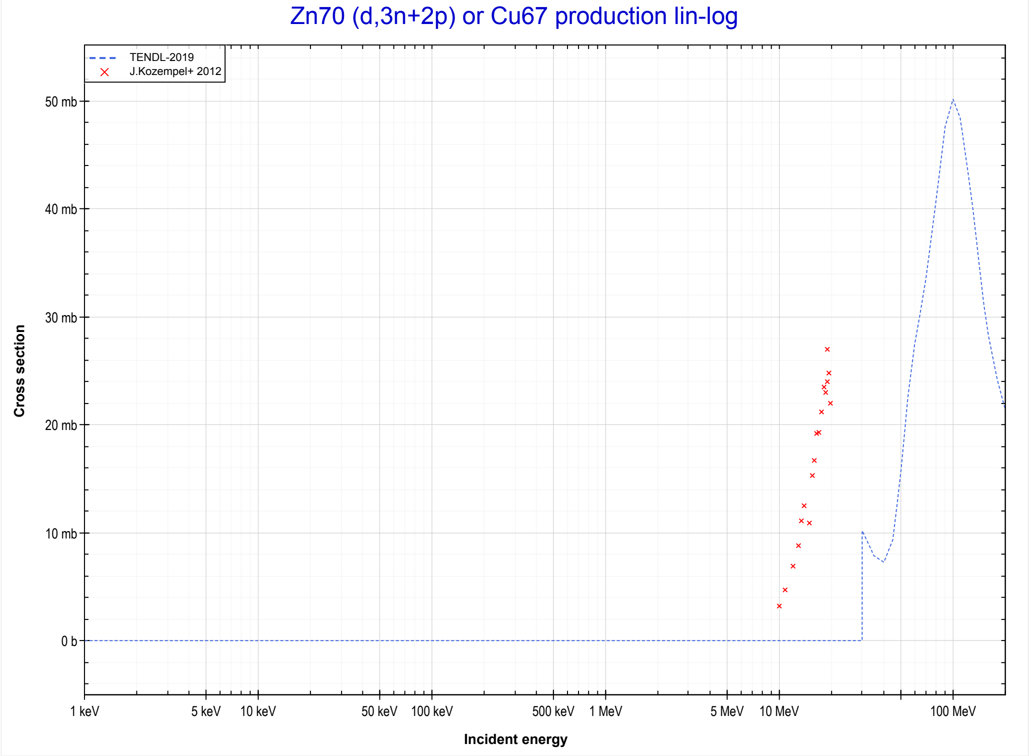




Reaction	Q-Value
Zn70(d,n+α)Cu67	394.29 keV
Zn70(d,d+t)Cu67	-17195.01 keV
Zn70(d,n+p+t)Cu67	-19419.58 keV
Zn70(d,2n+He3)Cu67	-20183.33 keV
Zn70(d,n+2d)Cu67	-23452.24 keV
Zn70(d,2n+p+d)Cu67	-25676.80 keV
Zn70(d,3n+2p)Cu67	-27901.37 keV

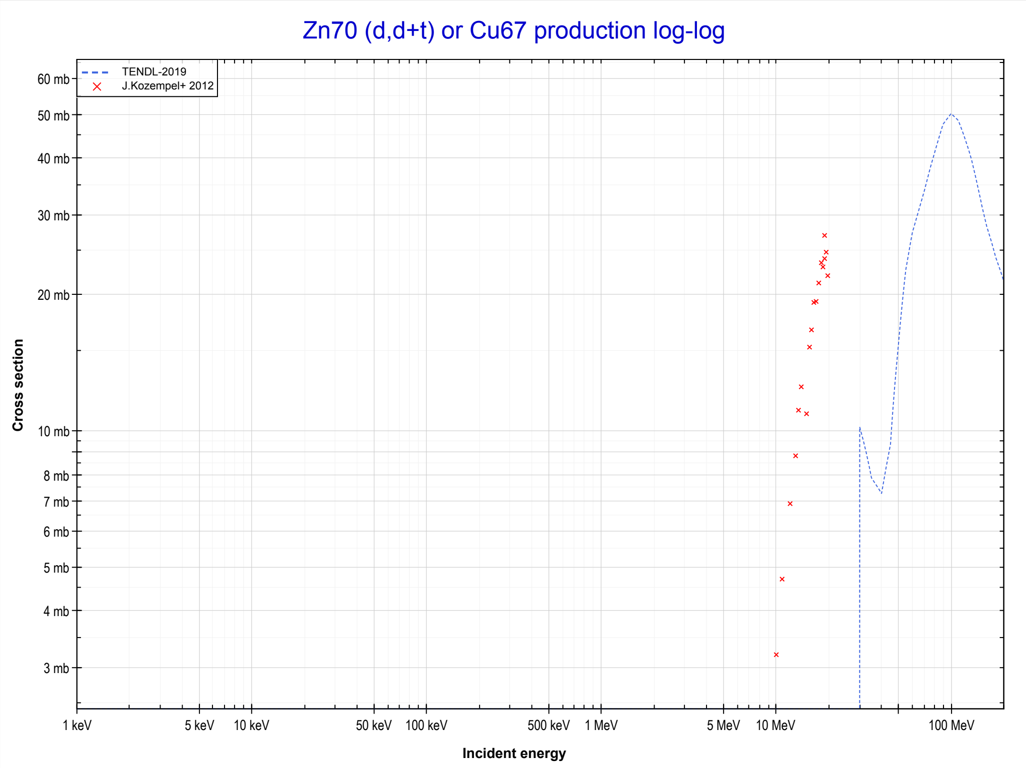
<< MT176 (d,2n+³He)	**30-Zn-70**	40-Zr-91 >>
	MT179 (d,3n+2p) or MT5 (Cu67 production)	MT182 (d,d+t) >>

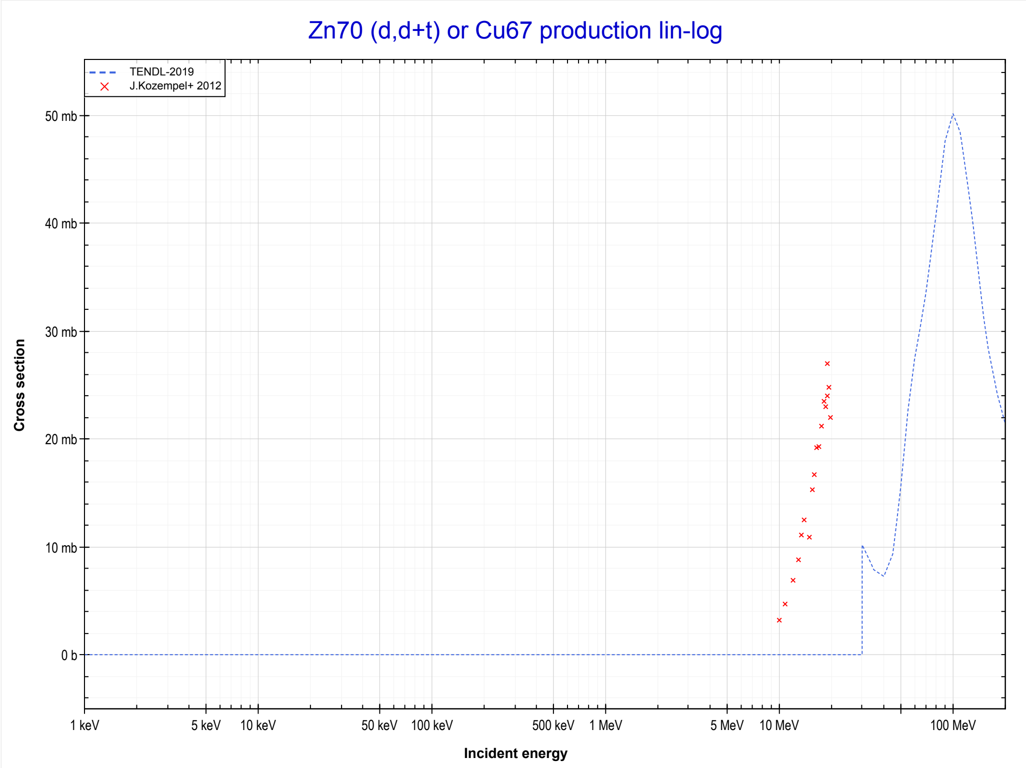




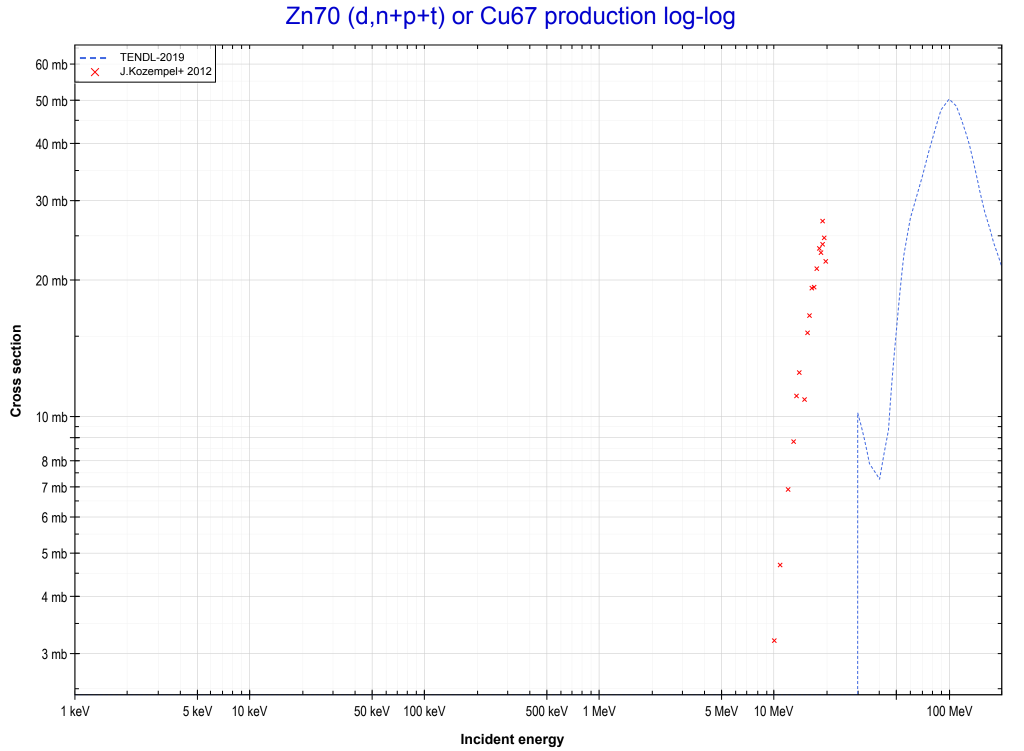
Reaction	Q-Value
Zn70(d,n+α)Cu67	394.29 keV
Zn70(d,d+t)Cu67	-17195.01 keV
Zn70(d,n+p+t)Cu67	-19419.58 keV
Zn70(d,2n+He3)Cu67	-20183.33 keV
Zn70(d,n+2d)Cu67	-23452.24 keV
Zn70(d,2n+p+d)Cu67	-25676.80 keV
Zn70(d,3n+2p)Cu67	-27901.37 keV

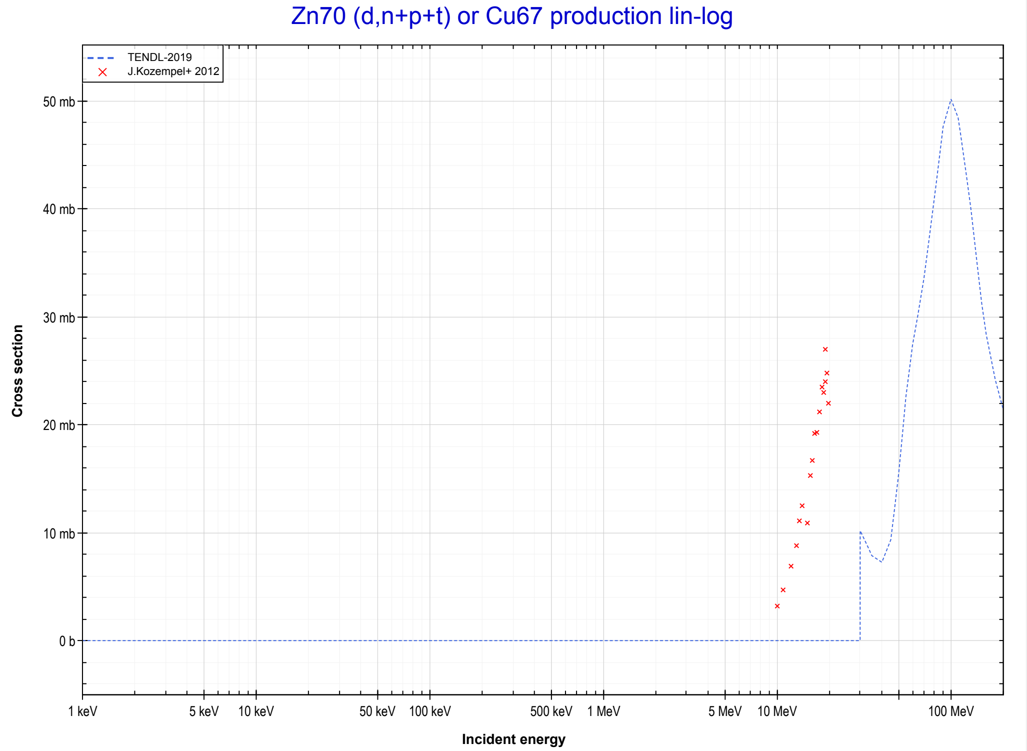
	30-Zn-70	40-Zr-91 >>
<< MT179 (d,3n+2p)	**MT182 (d,d+t) or MT5 (Cu67 production)**	MT184 (d,n+p+t) >>



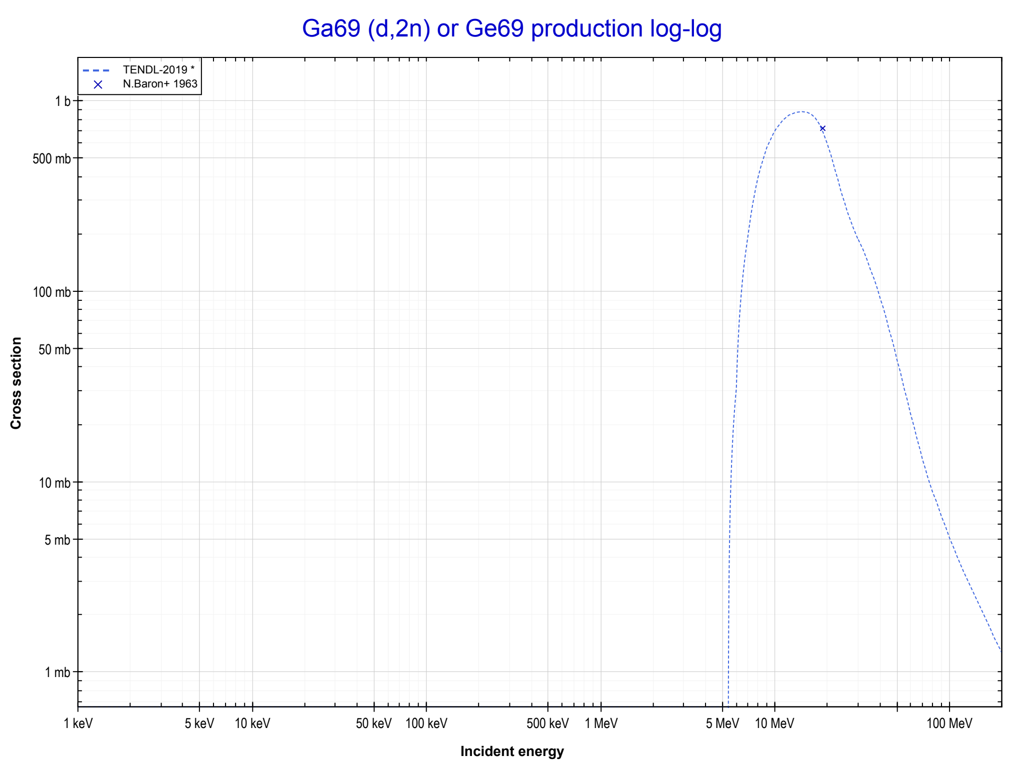


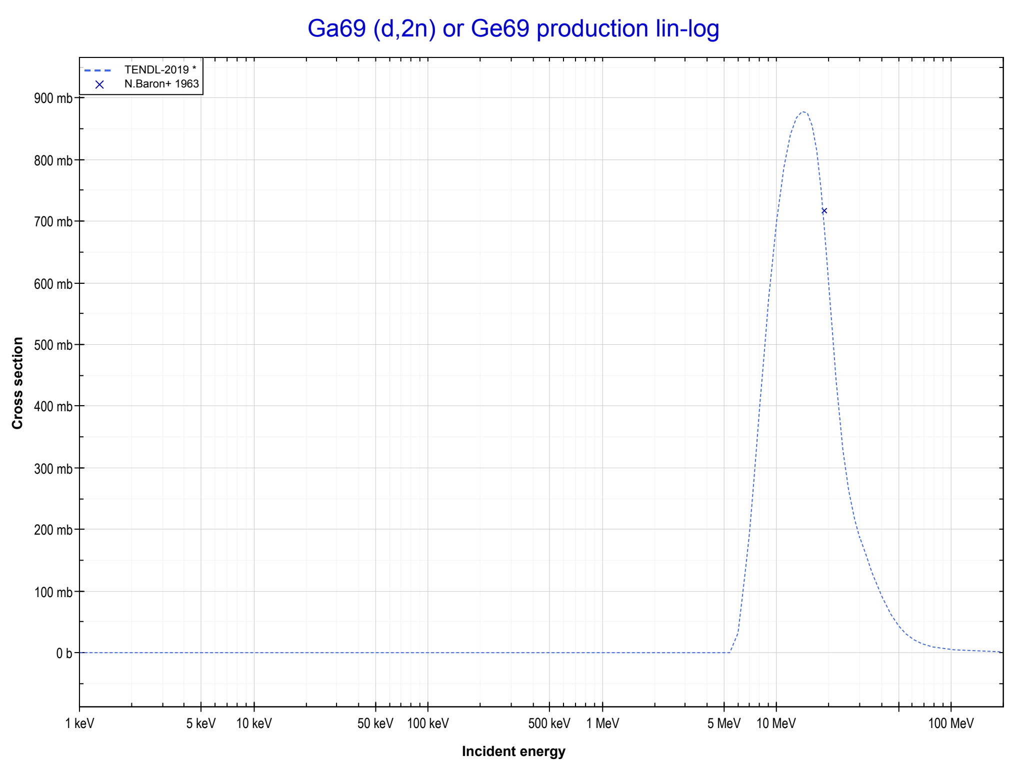
Reaction	Q-Value
Zn70(d,n+α)Cu67	394.29 keV
Zn70(d,d+t)Cu67	-17195.01 keV
Zn70(d,n+p+t)Cu67	-19419.58 keV
Zn70(d,2n+He3)Cu67	-20183.33 keV
Zn70(d,n+2d)Cu67	-23452.24 keV
Zn70(d,2n+p+d)Cu67	-25676.80 keV
Zn70(d,3n+2p)Cu67	-27901.37 keV



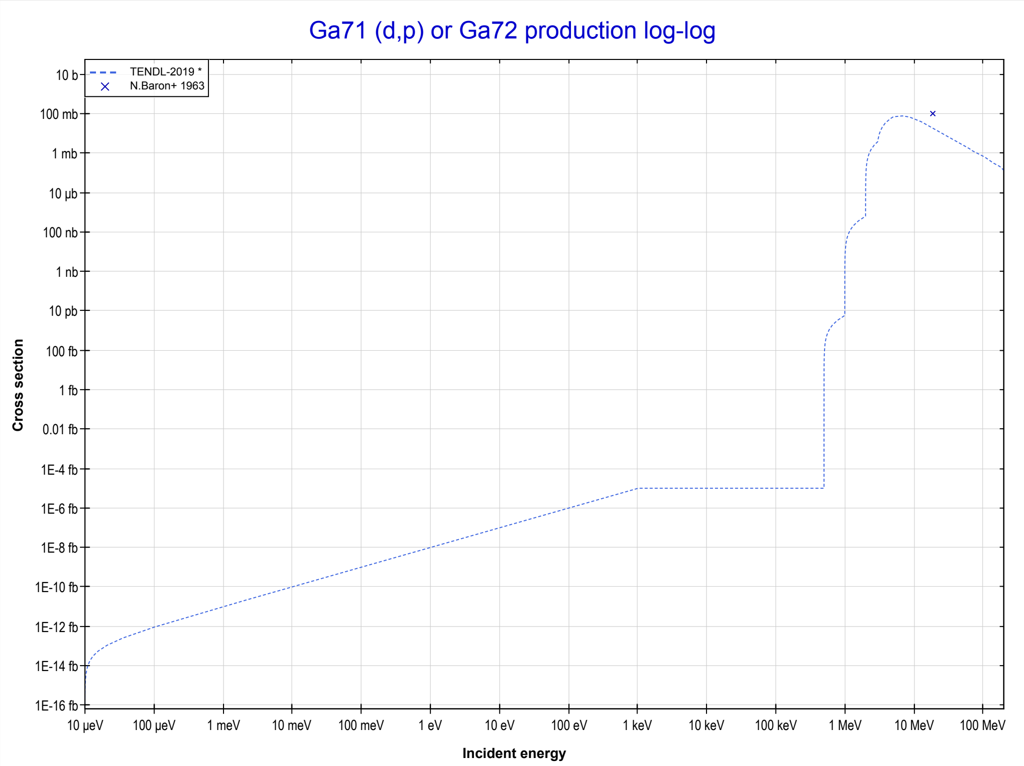


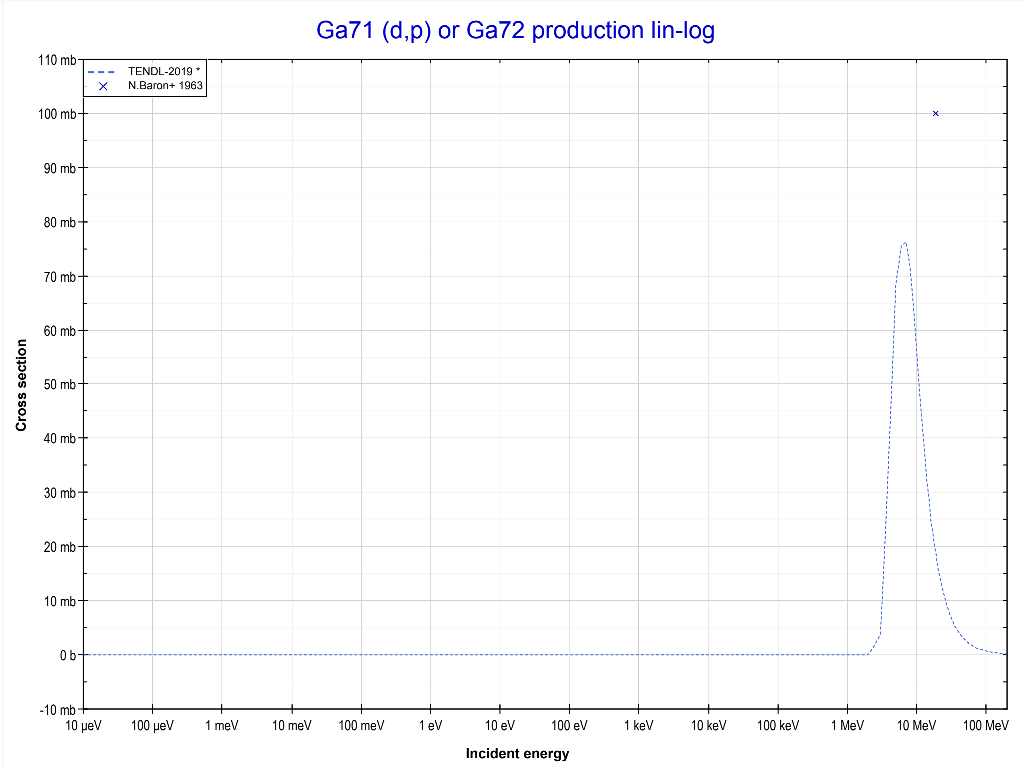
Reaction	Q-Value
Zn70(d,n+α)Cu67	394.29 keV
Zn70(d,d+t)Cu67	-17195.01 keV
Zn70(d,n+p+t)Cu67	-19419.58 keV
Zn70(d,2n+He3)Cu67	-20183.33 keV
Zn70(d,n+2d)Cu67	-23452.24 keV
Zn70(d,2n+p+d)Cu67	-25676.80 keV
Zn70(d,3n+2p)Cu67	-27901.37 keV





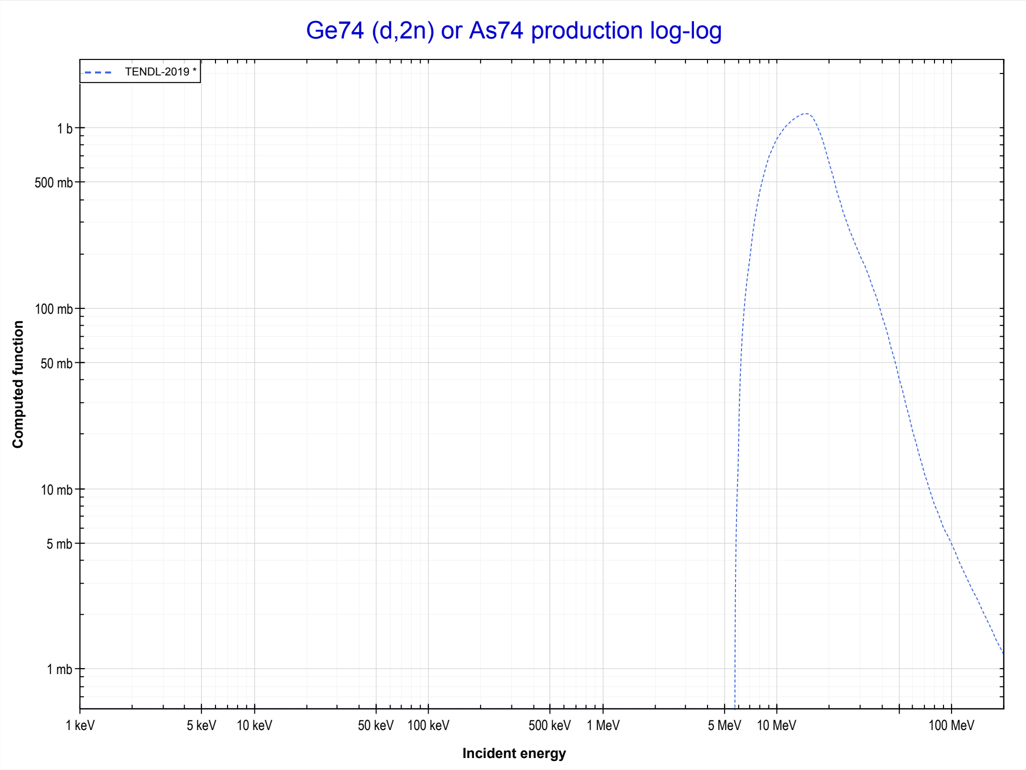
Reaction	Q-Value
Ga69(d,2n)Ge69	-5234.01 keV

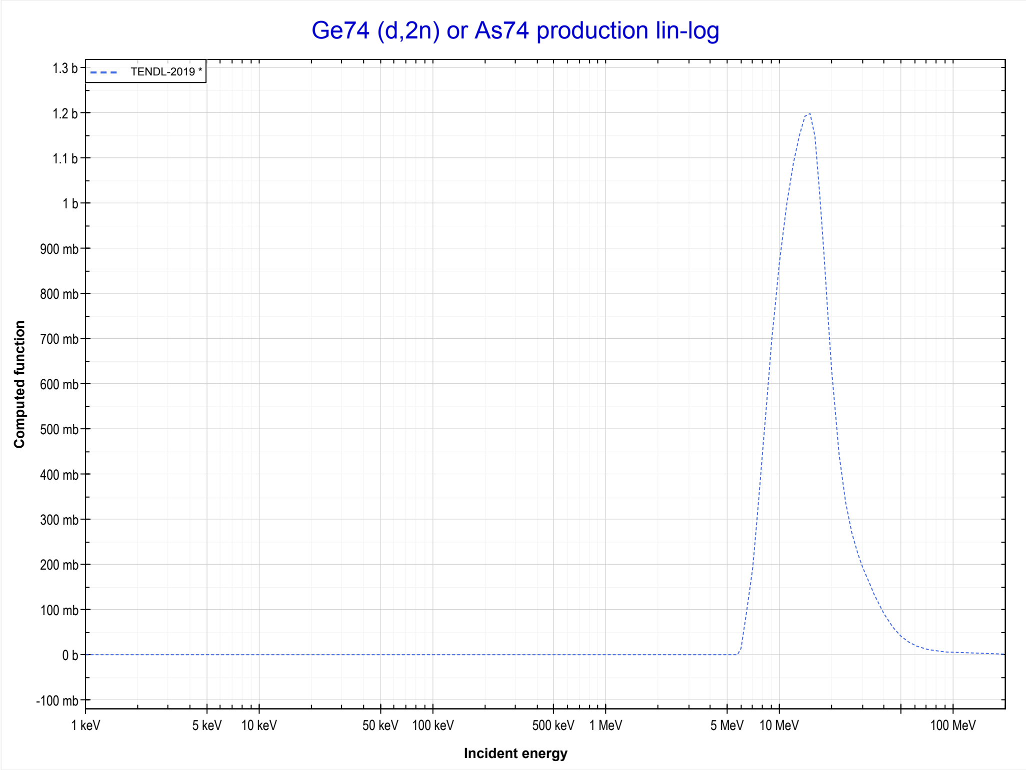




Reaction	Q-Value
Ga71(d,p)Ga72	4295.95 keV

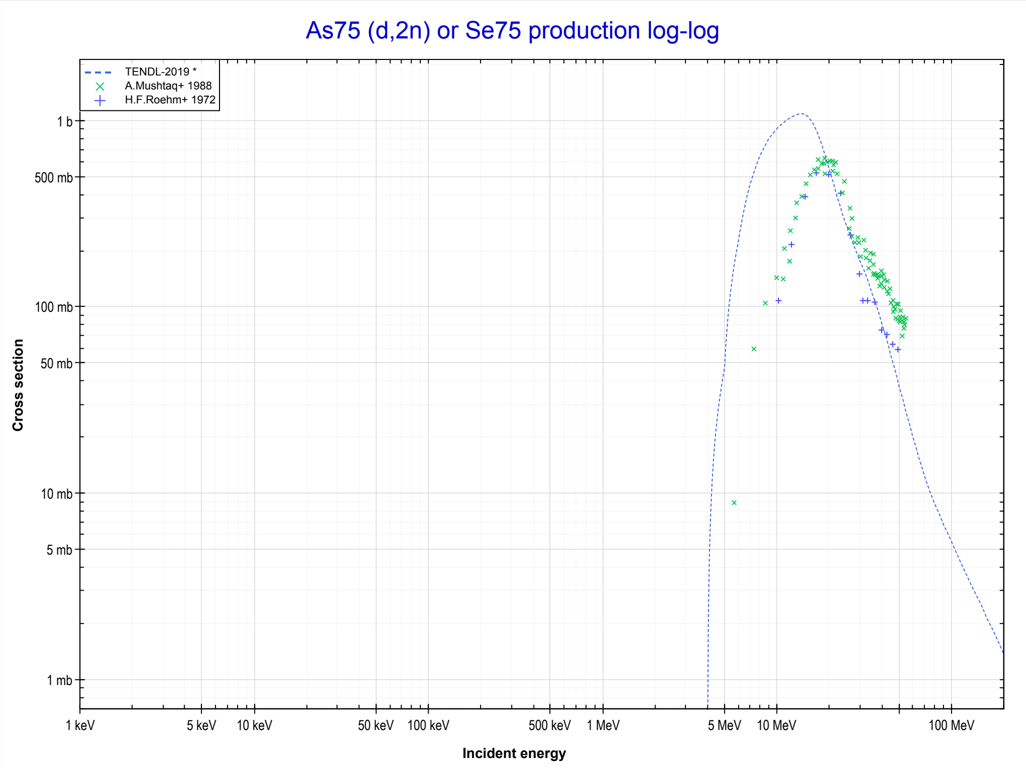
<< 31-Ga-69	**32-Ge-74**	33-As-75 >>
<< 31-Ga-71 MT103 (d,p)	**MT16 (d,2n) or MT5 (As74 production)**	33-As-75 MT16 (d,2n) >>

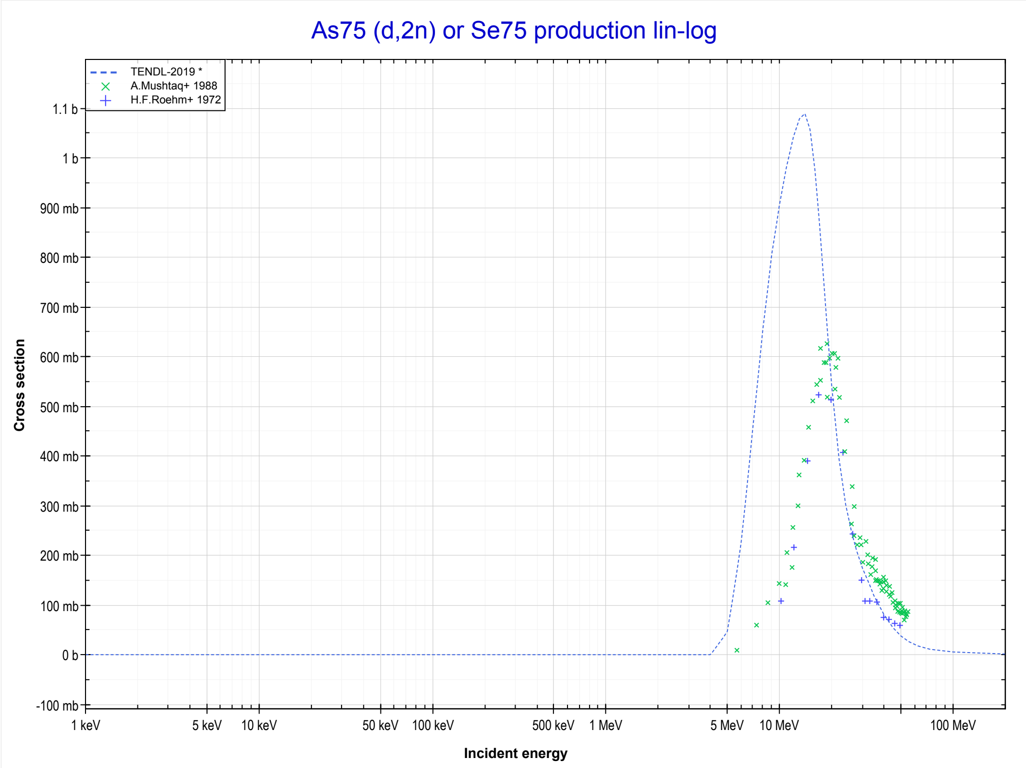




Reaction	Q-Value
Ge74(d,2n)As74	-5569.25 keV

<< 32-Ge-74	**33-As-75**	34-Se-74 >>
<< 32-Ge-74 MT16 (d,2n)	**MT16 (d,2n) or MT5 (Se75 production)**	MT37 (d,4n) >>

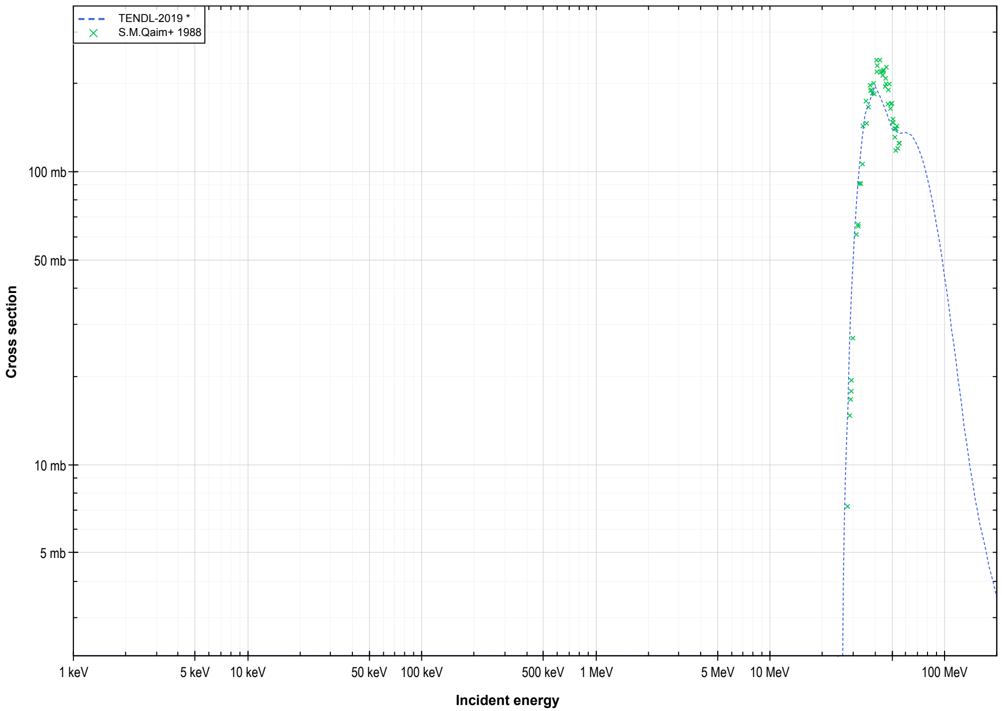




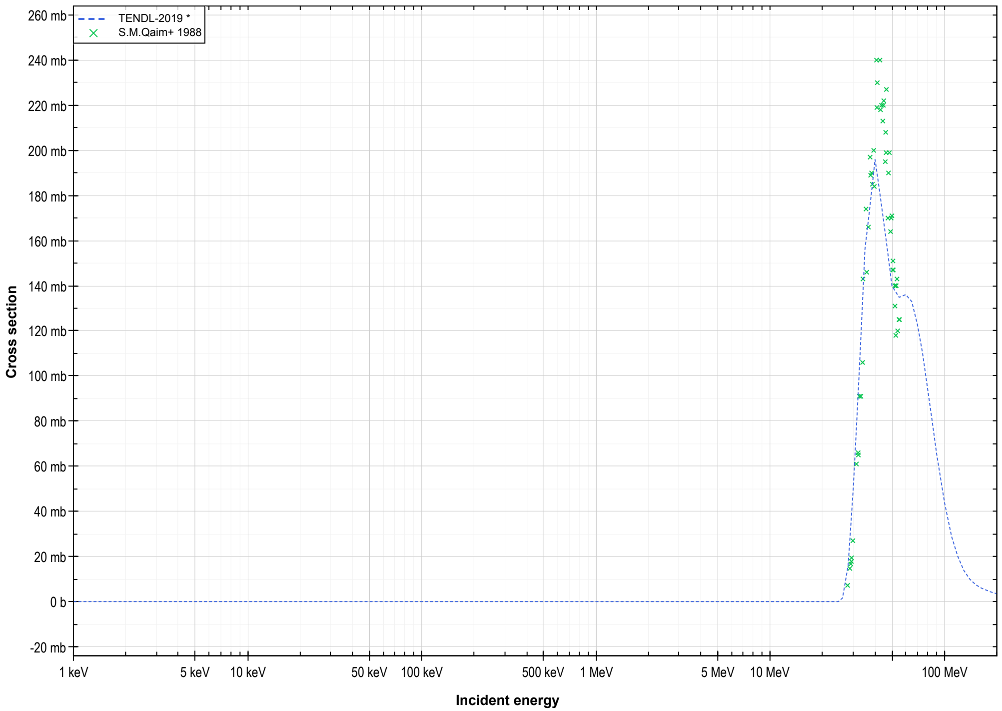
Reaction	Q-Value
As75(d,2n)Se75	-3871.63 keV

<< 27-Co-59	**33-As-75**	34-Se-76 >>
<< MT16 (d,2n)	**MT37 (d,4n) or MT5 (Se73 production)**	MT41 (d,2n+p) >>

As75 (d,4n) or Se73 production log-log

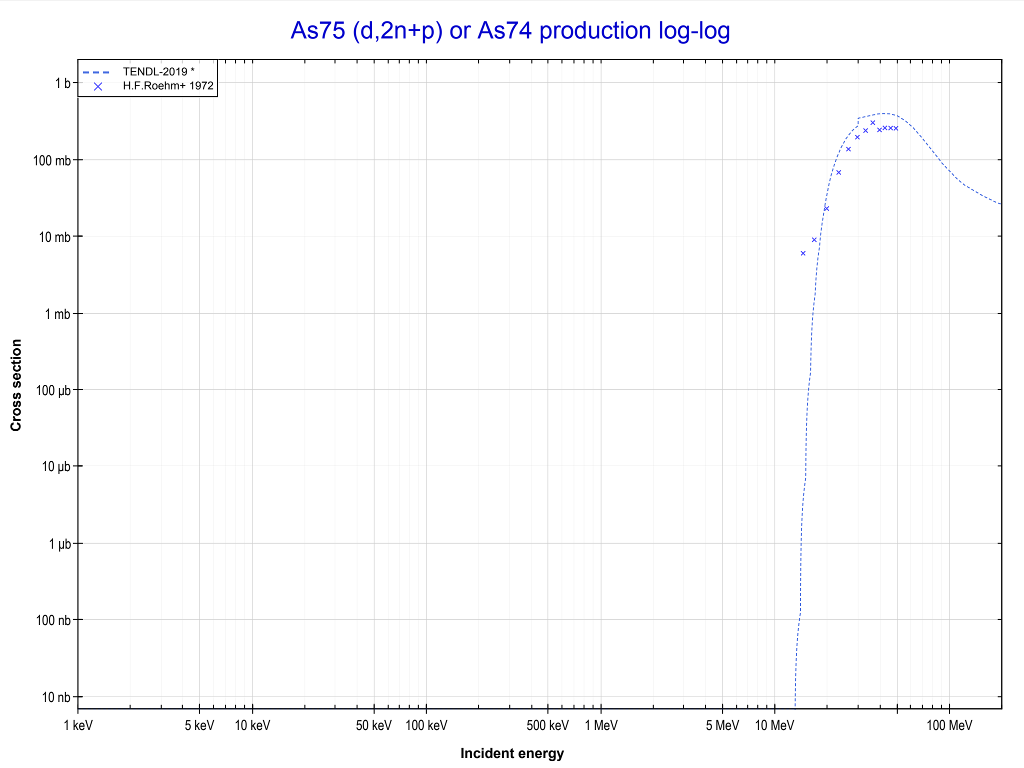


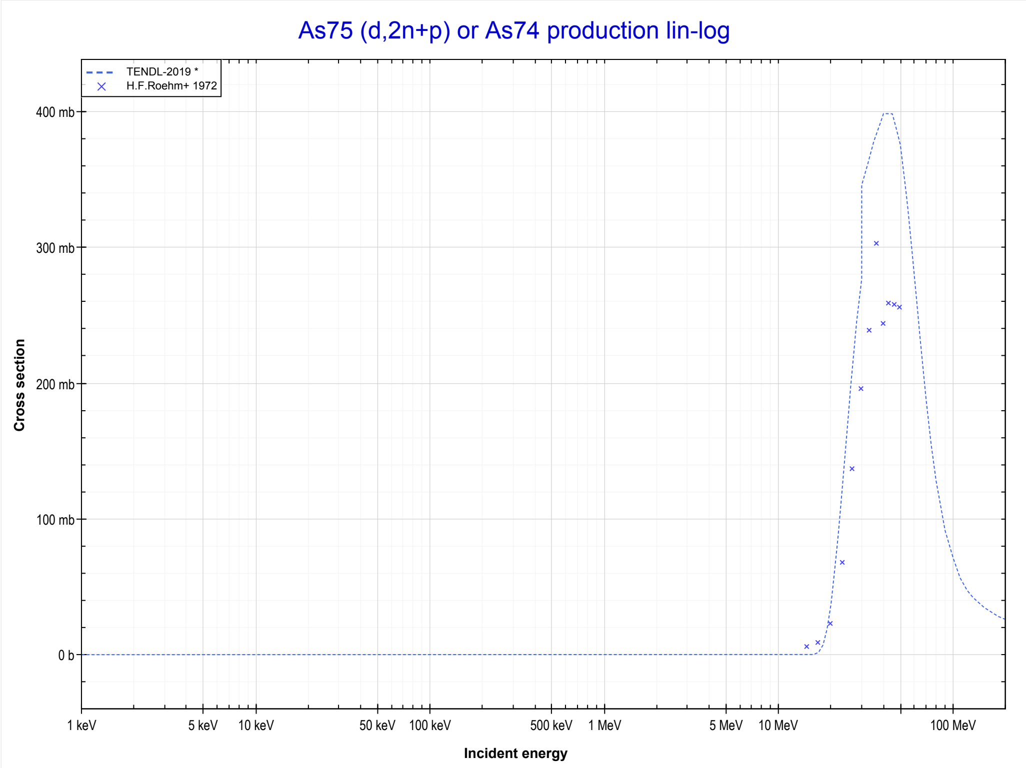
As75 (d,4n) or Se73 production lin-log



Reaction	Q-Value
As75(d,4n)Se73	-23956.75 keV

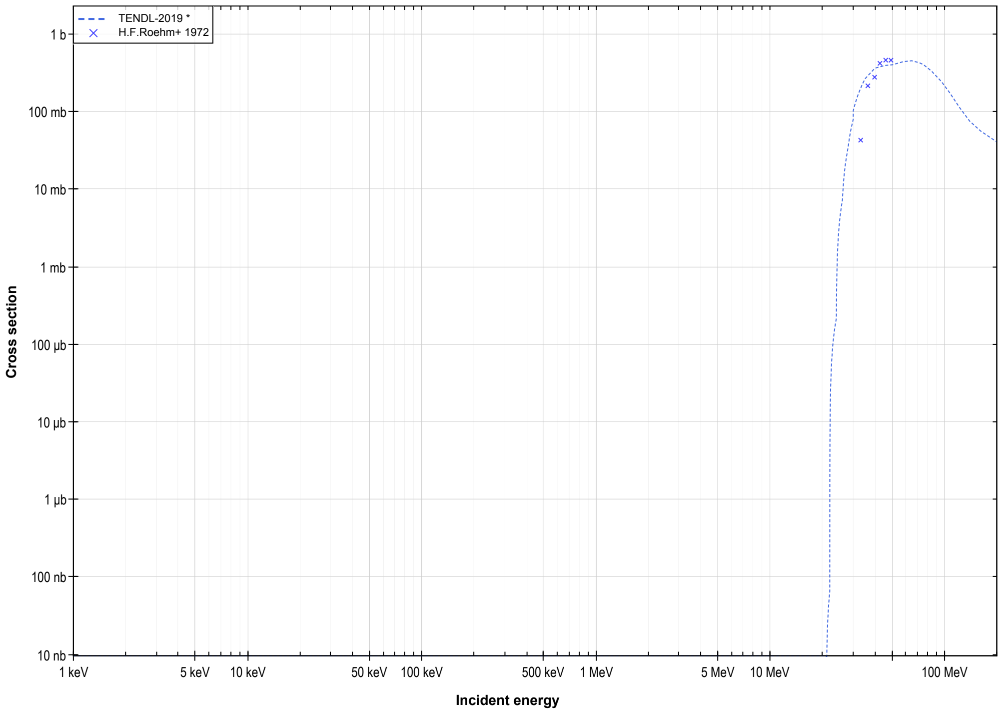
<< 28-Ni-58	**33-As-75**	39-Y-89 >>
<< MT37 (d,4n)	**MT41 (d,2n+p) or MT5 (As74 production)**	MT42 (d,3n+p) >>



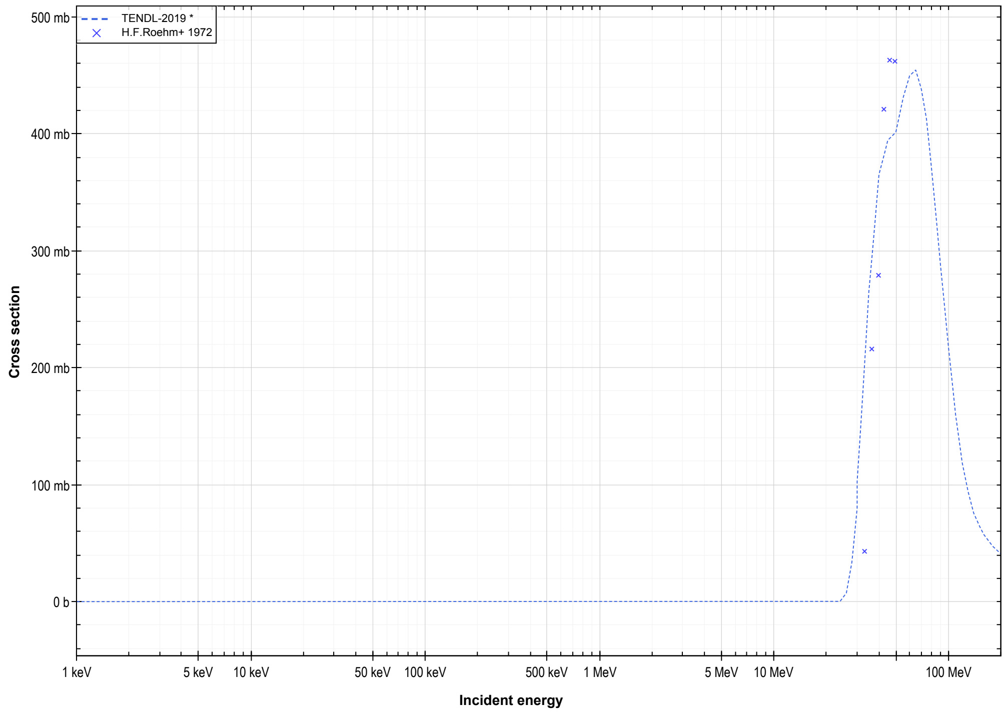


Reaction	Q-Value
As75(d,t)As74	-3988.19 keV
As75(d,n+d)As74	-10245.42 keV
As75(d,2n+p)As74	-12469.98 keV

As75 (d,3n+p) or As73 production log-log

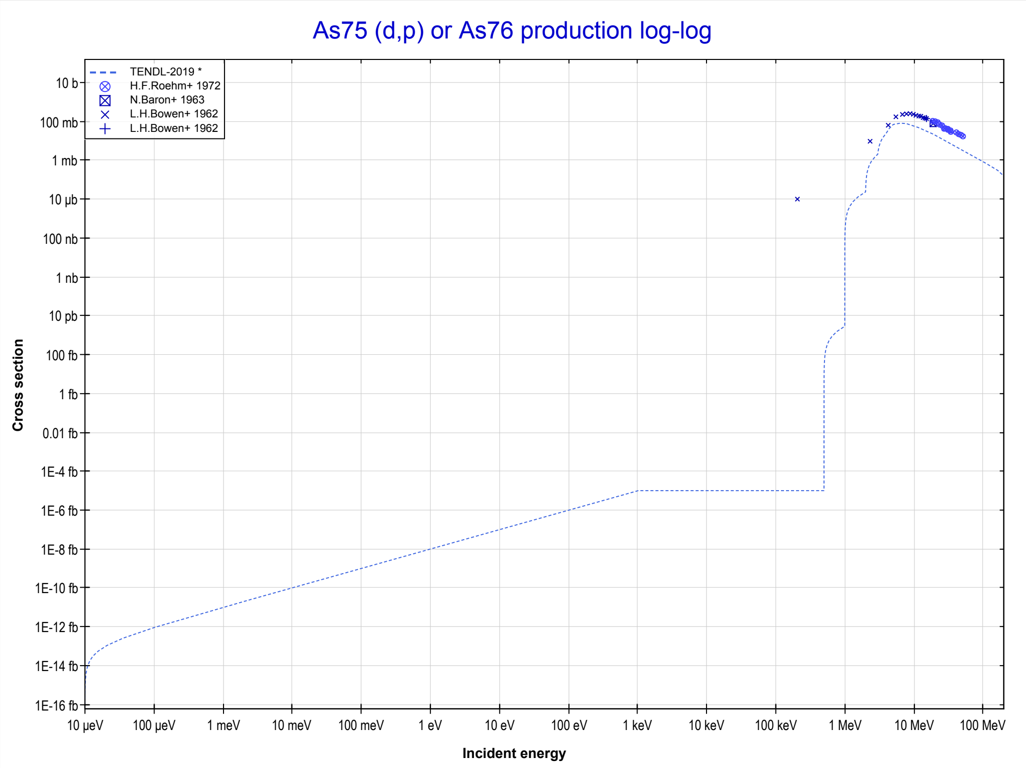


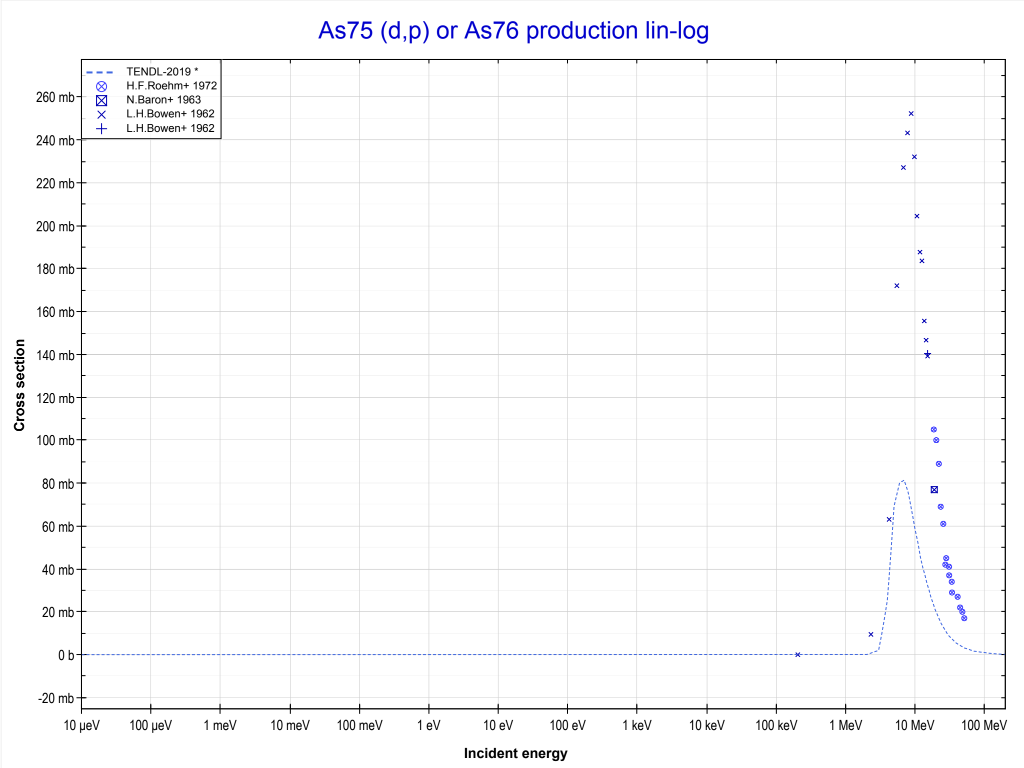
As75 (d,3n+p) or As73 production lin-log



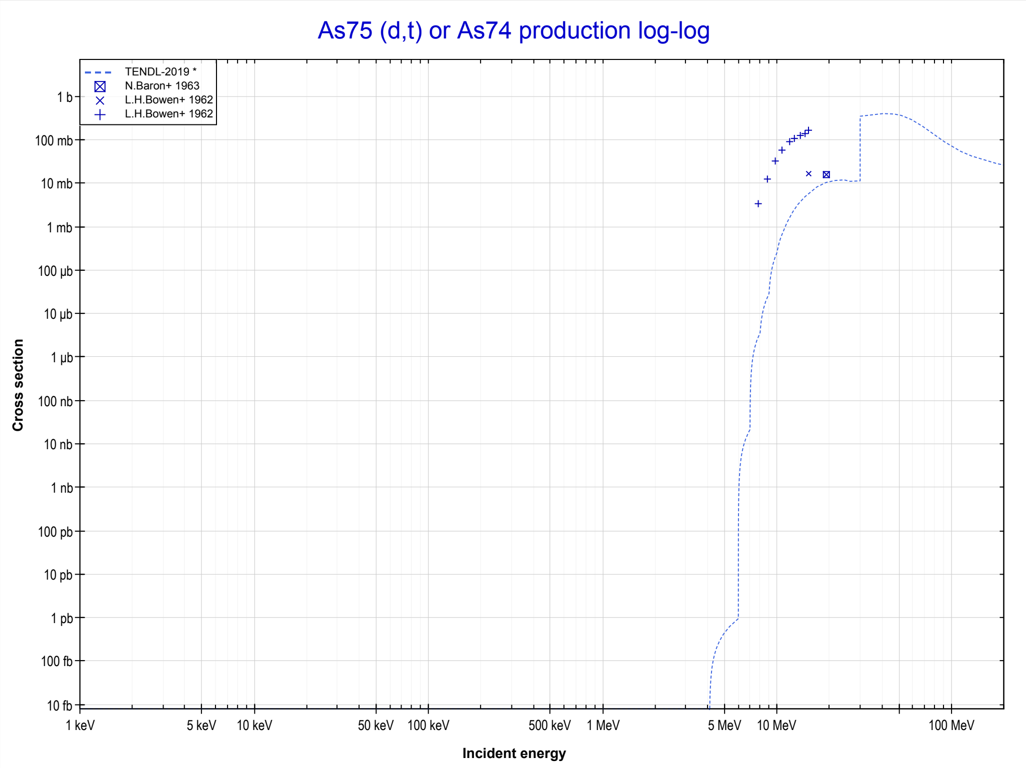
Reaction	Q-Value
As75(d,n+t)As73	-11966.61 keV
As75(d,2n+d)As73	-18223.83 keV
As75(d,3n+p)As73	-20448.40 keV

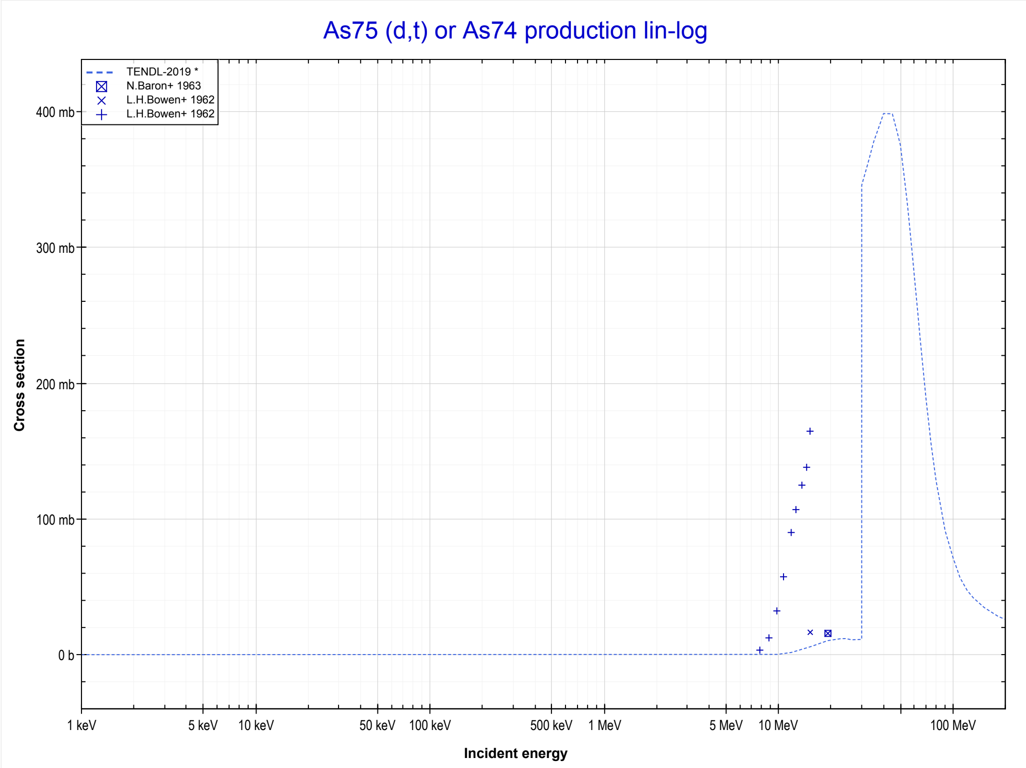
<< 31-Ga-71	**33-As-75**	35-Br-81 >>
<< MT42 (d,3n+p)	**MT103 (d,p) or MT5 (As76 production)**	MT105 (d,t) >>



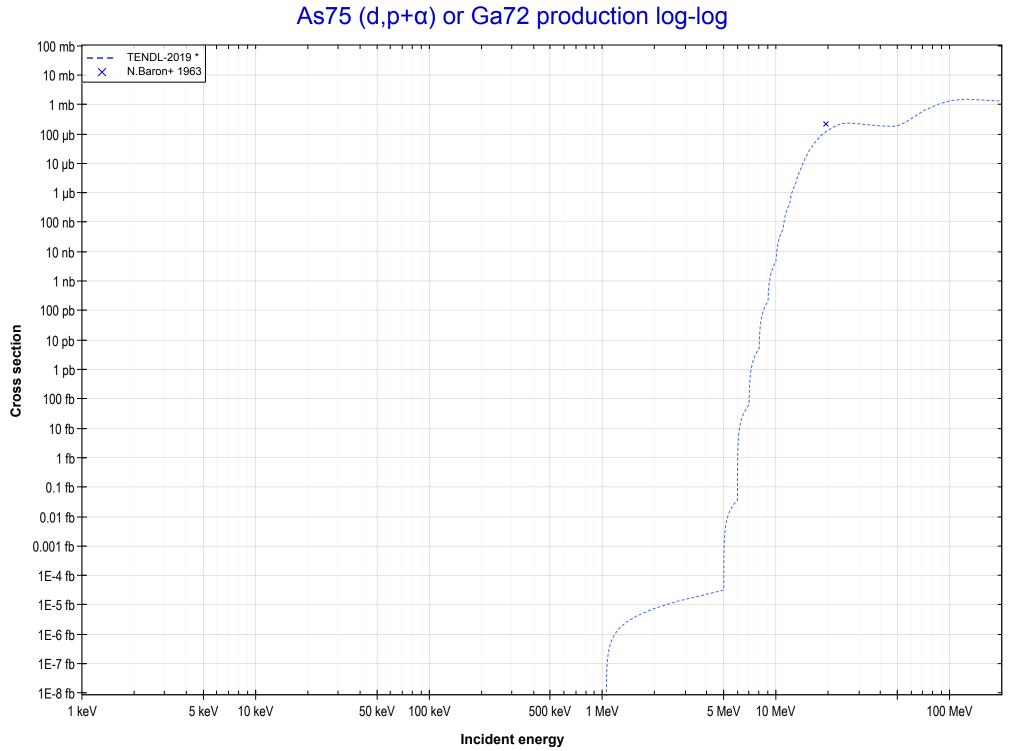


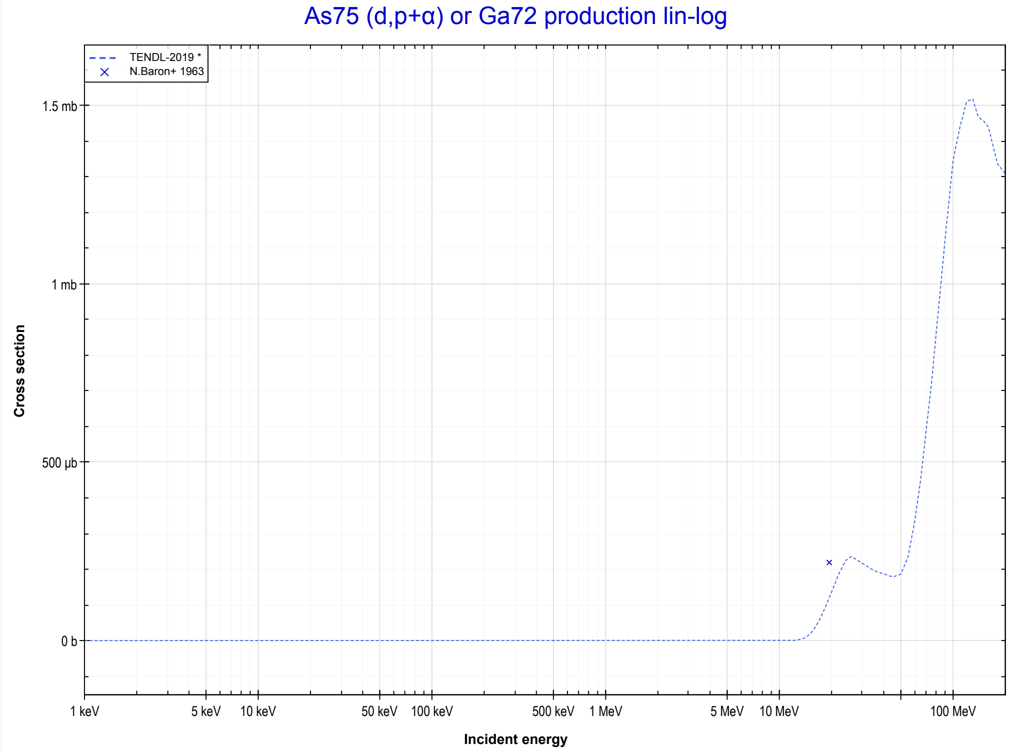
Reaction	Q-Value
As75(d,p)As76	5103.95 keV





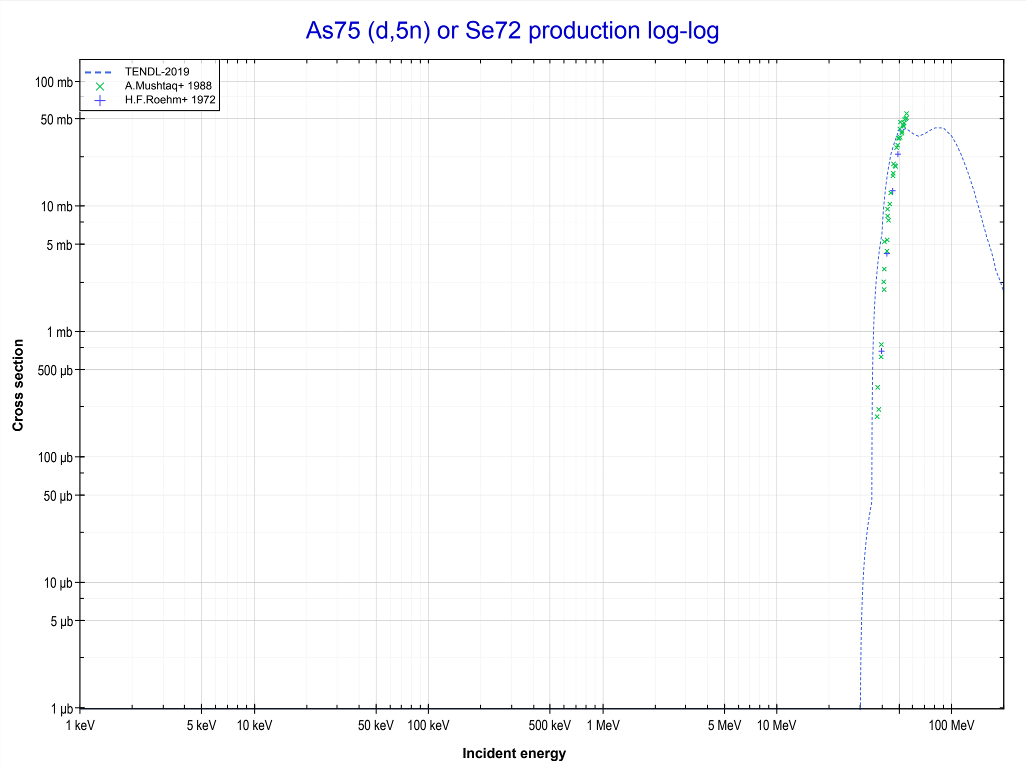
Reaction	Q-Value
As75(d,t)As74	-3988.19 keV
As75(d,n+d)As74	-10245.42 keV
As75(d,2n+p)As74	-12469.98 keV

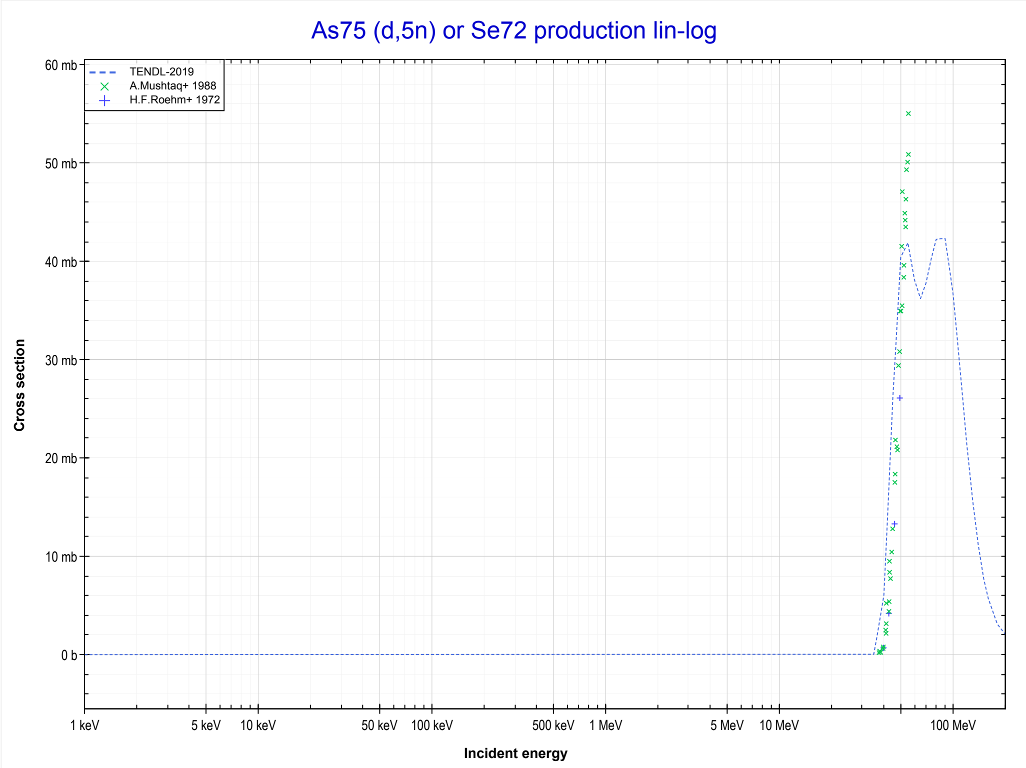




Reaction	Q-Value
As75(d,p+α)Ga72	-1024.06 keV
As75(d,d+He3)Ga72	-19377.12 keV
As75(d,2p+t)Ga72	-20837.93 keV
As75(d,n+p+He3)Ga72	-21601.68 keV
As75(d,p+2d)Ga72	-24870.59 keV
As75(d,n+2p+d)Ga72	-27095.16 keV
As75(d,2n+3p)Ga72	-29319.72 keV

<< 27-Co-59	**33-As-75**	41-Nb-93 >>
<< MT112 (d,p+α)	**MT152 (d,5n) or MT5 (Se72 production)**	34-Se-74 MT4 (d,n) >>

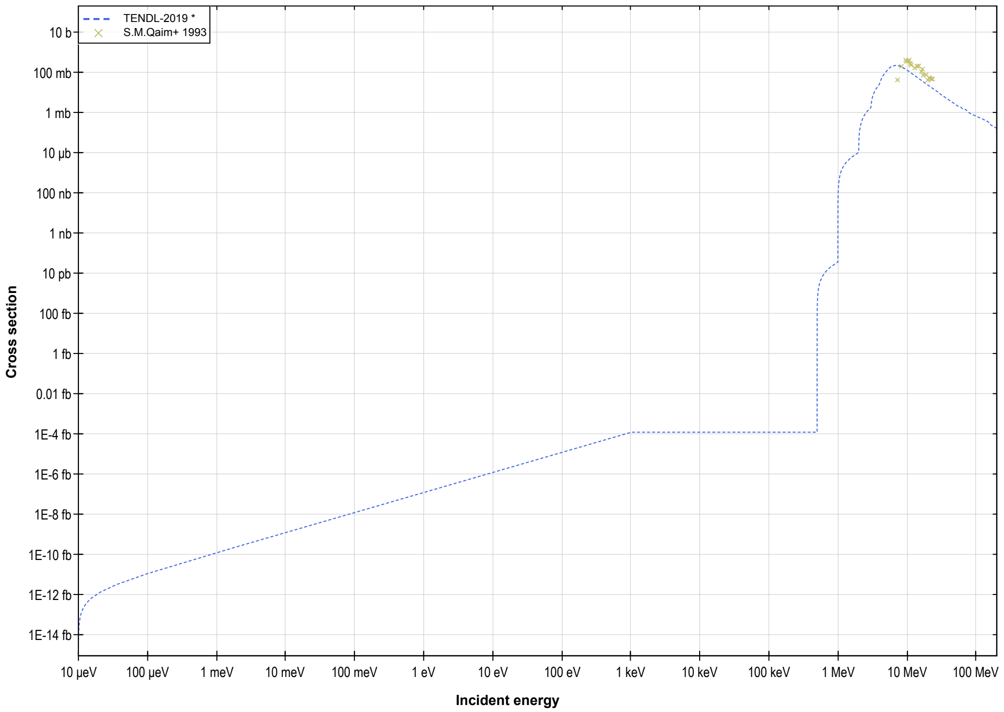




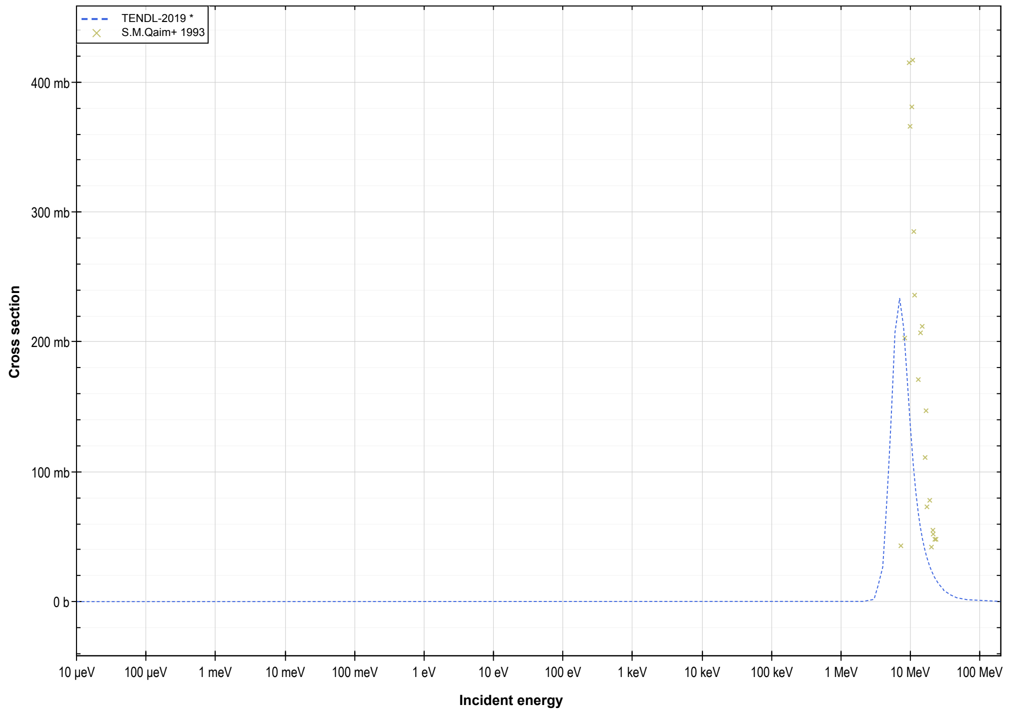
Reaction	Q-Value
As75(d,5n)Se72	-32386.86 keV

<< 30-Zn-66	**34-Se-74**	36-Kr-78 >>
<< 33-As-75 MT152 (d,5n)	**MT4 (d,n) or MT5 (Br75 production)**	MT16 (d,2n) >>

Se74 (d,n) or Br75 production log-log



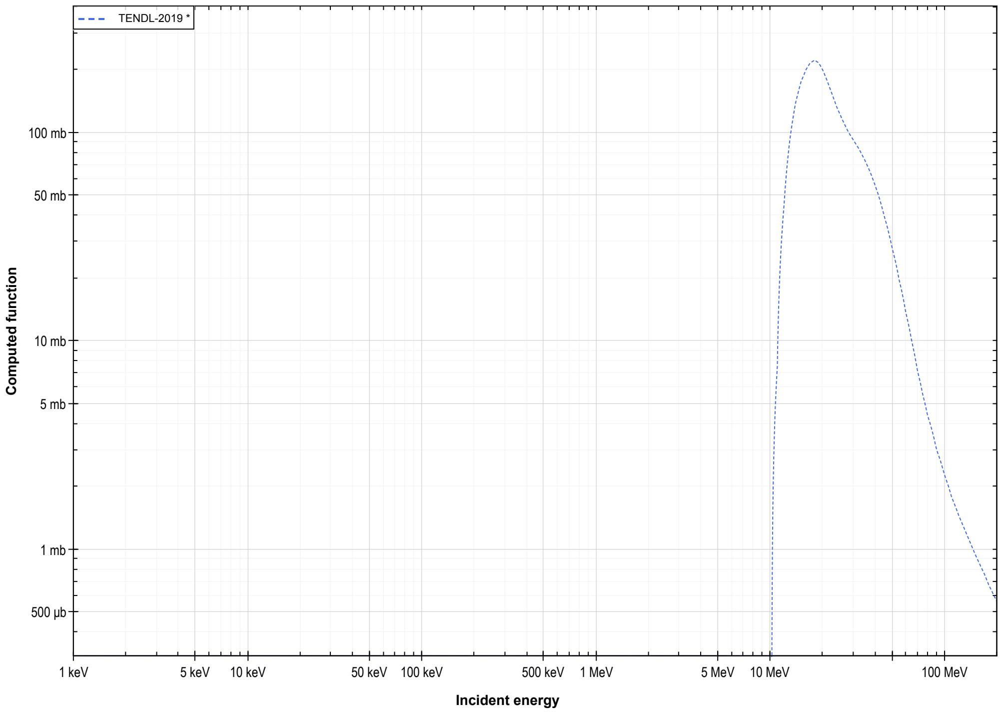
Se74 (d,n) or Br75 production lin-log



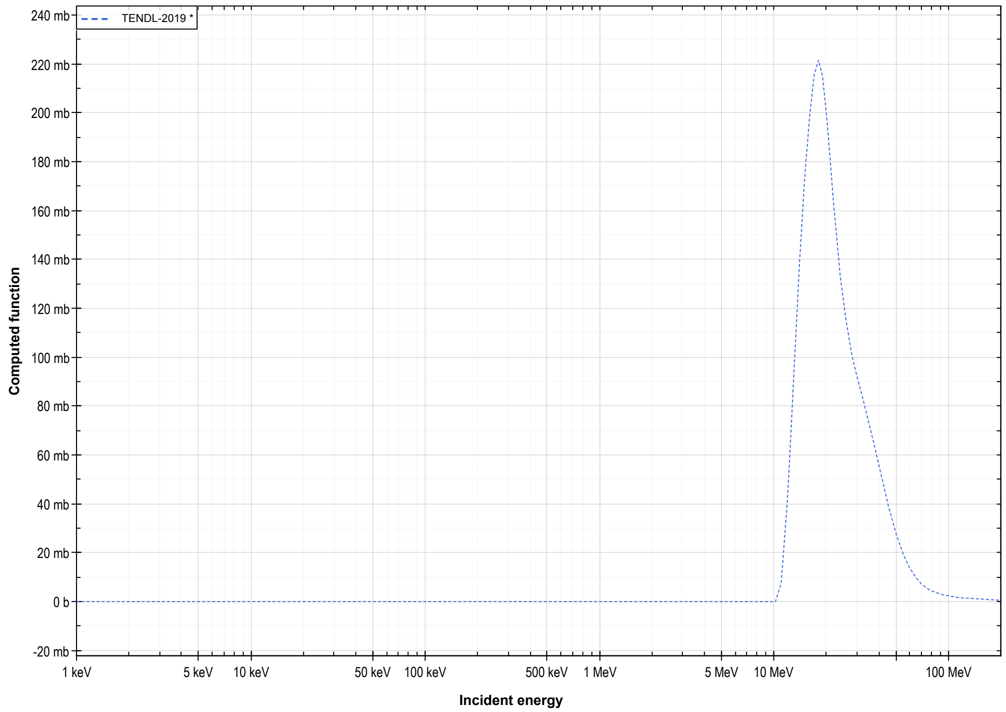
Reaction	Q-Value
Se74(d,n)Br75	1958.20 keV

<< 33-As-75	**34-Se-74**	34-Se-76 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Br74 production)**	34-Se-76 MT16 (d,2n) >>

Se74 (d,2n) or Br74 production log-log

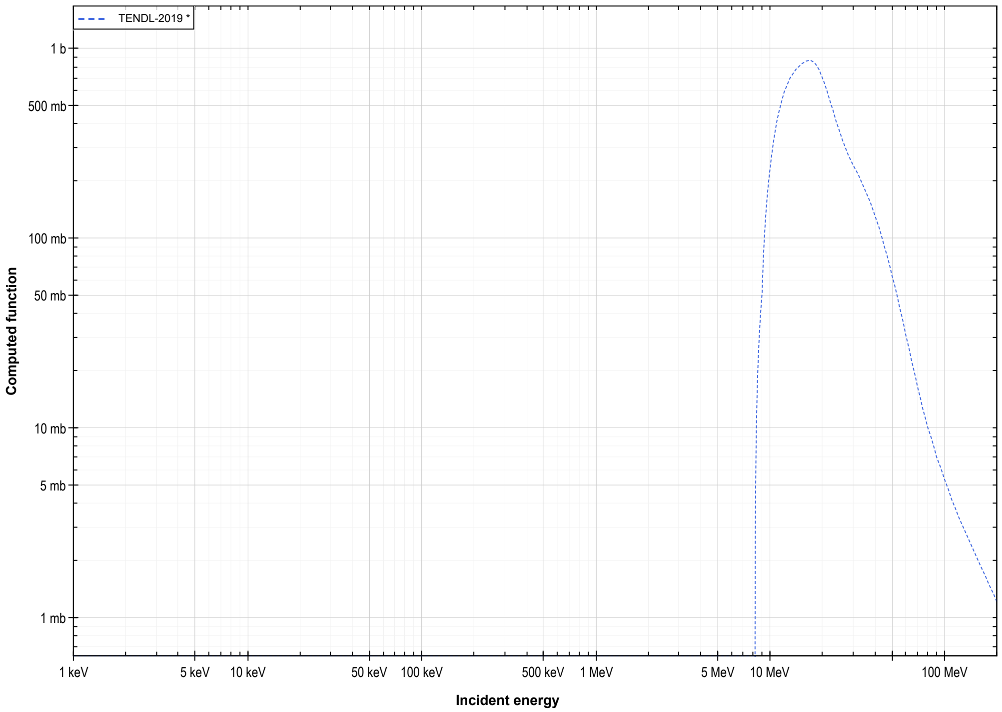


Se74 (d,2n) or Br74 production lin-log

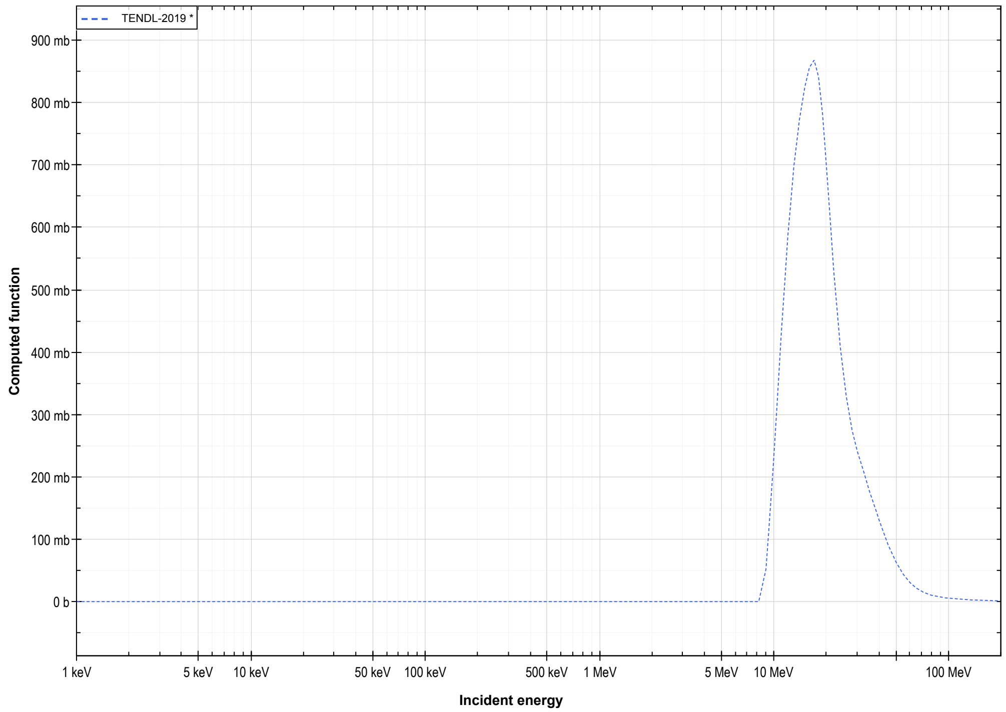


Reaction	Q-Value
Se74(d,2n)Br74	-9932.11 keV

Se76 (d,2n) or Br76 production log-log

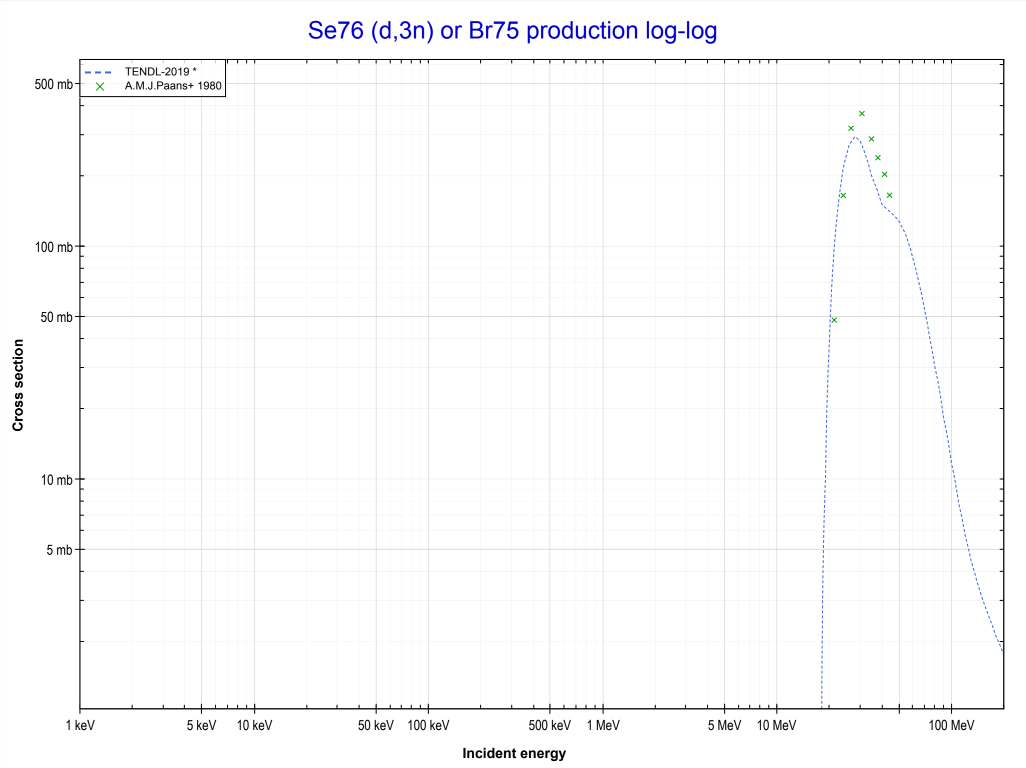


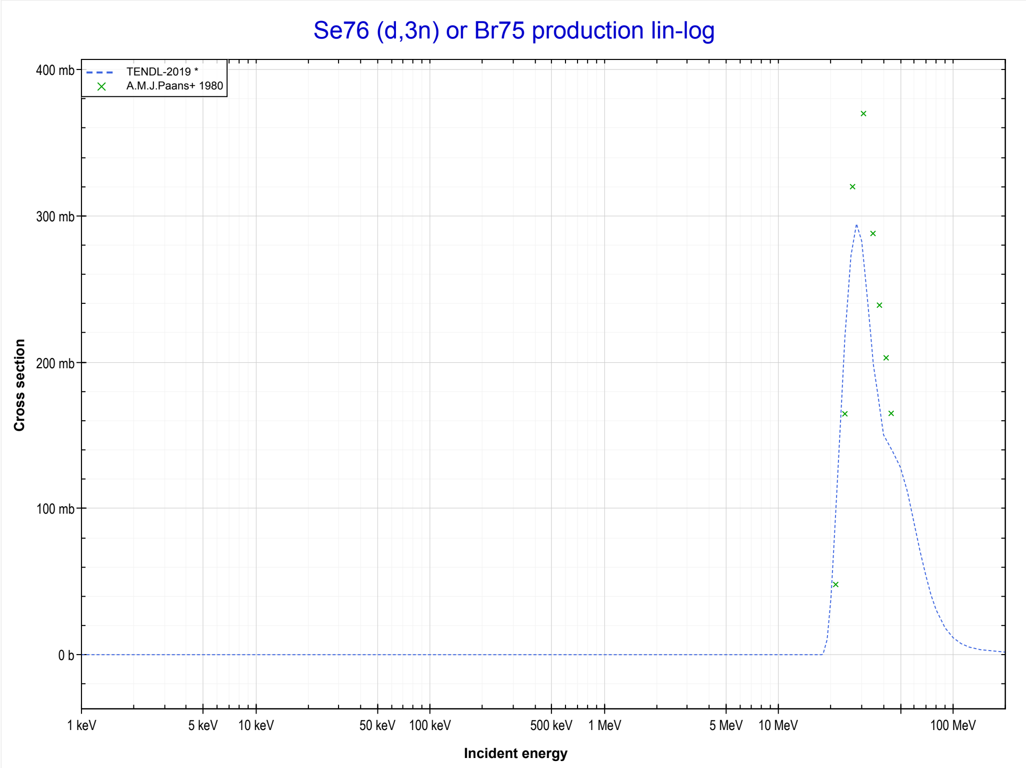
Se76 (d,2n) or Br76 production lin-log



Reaction	Q-Value
Se76(d,2n)Br76	-7969.86 keV

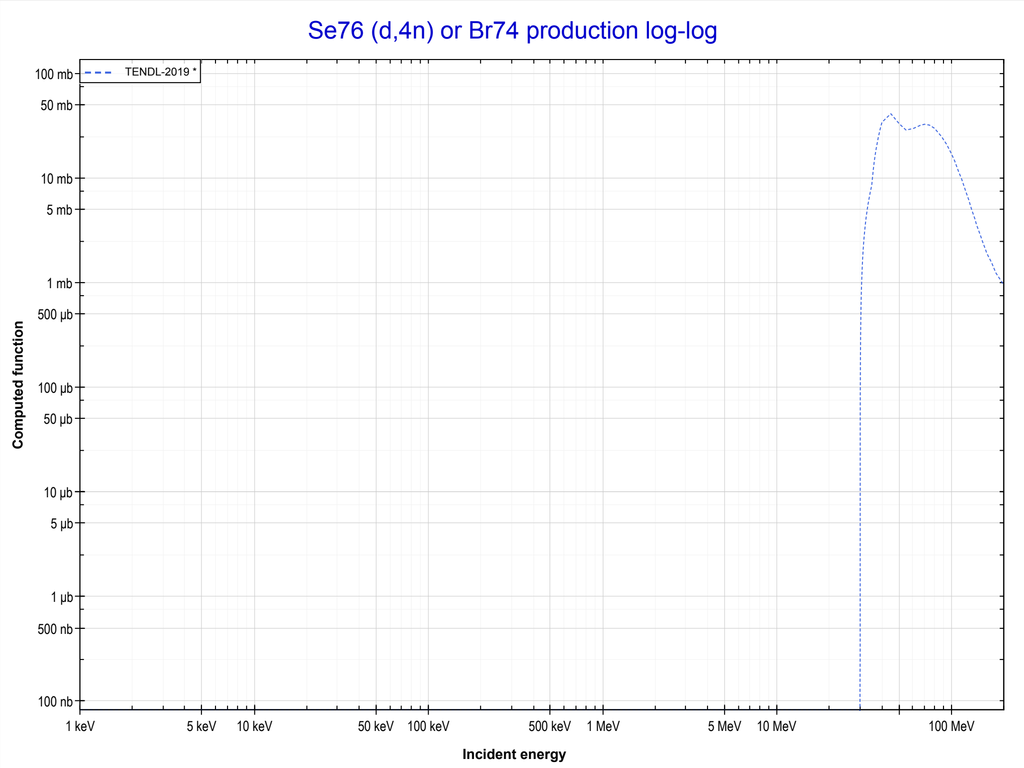
<< 30-Zn-66	**34-Se-76**	39-Y-89 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Br75 production)**	MT37 (d,4n) >>

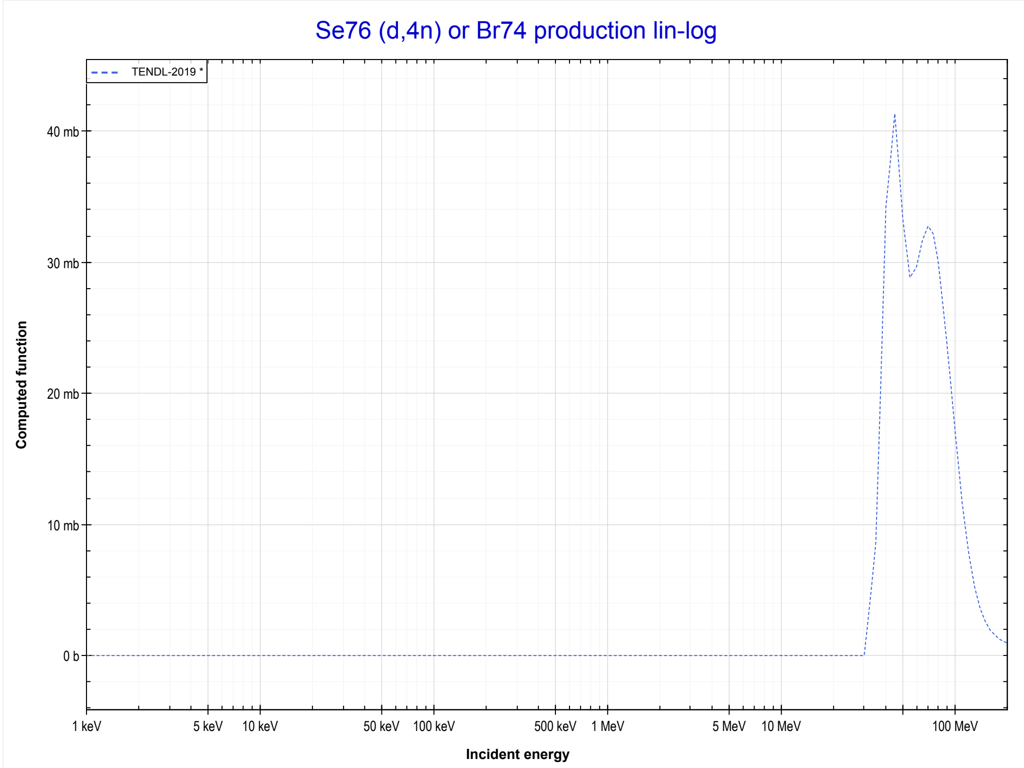




Reaction	Q-Value
Se76(d,3n)Br75	-17223.18 keV

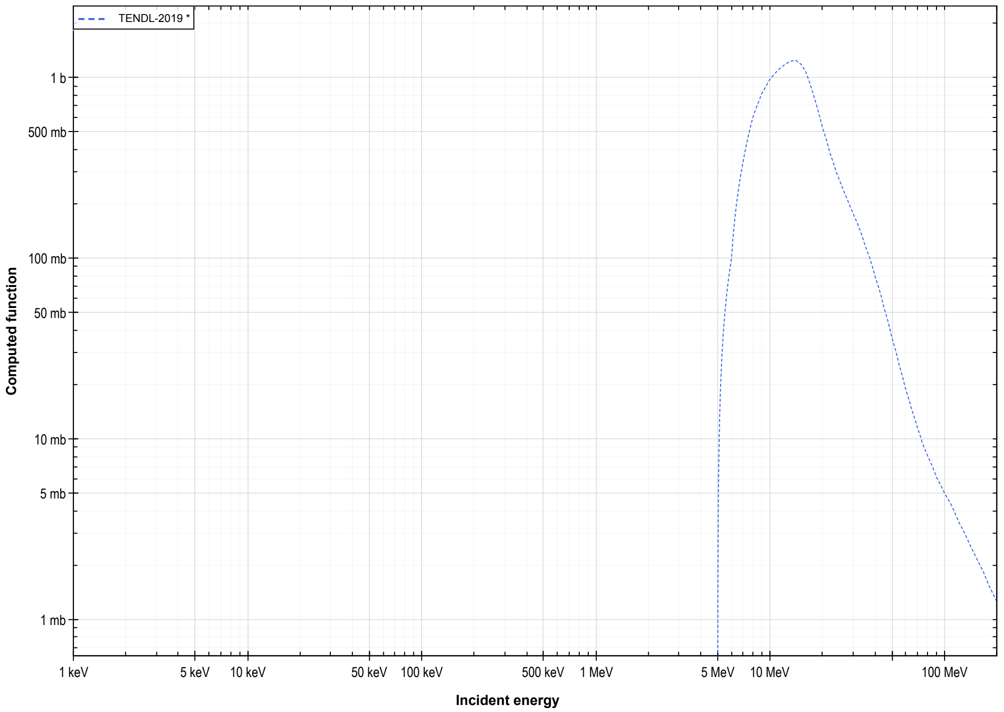
<< 33-As-75	**34-Se-76**	39-Y-89 >>
<< MT17 (d,3n)	**MT37 (d,4n) or MT5 (Br74 production)**	34-Se-80 MT16 (d,2n) >>



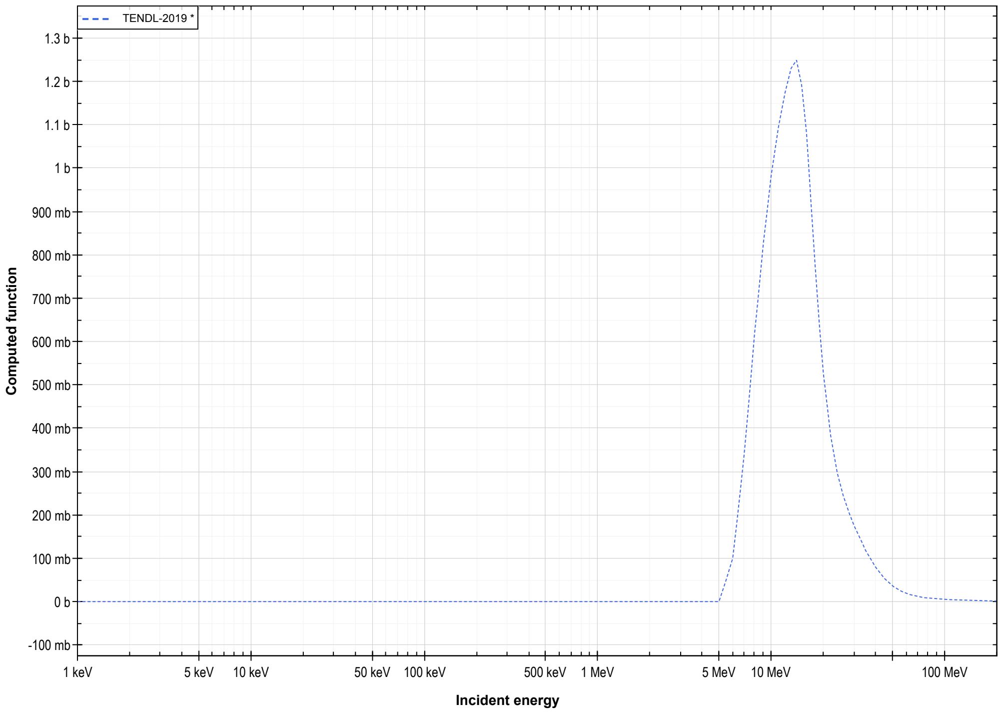


Reaction	Q-Value
Se76(d,4n)Br74	-29113.50 keV

Se80 (d,2n) or Br80 production log-log



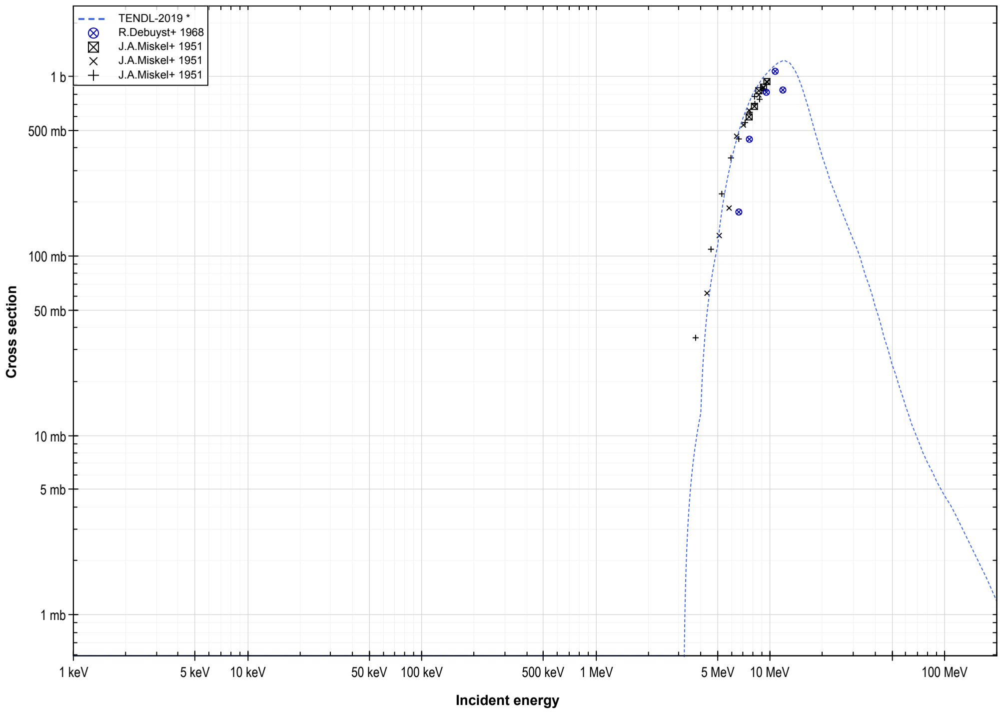
Se80 (d,2n) or Br80 production lin-log



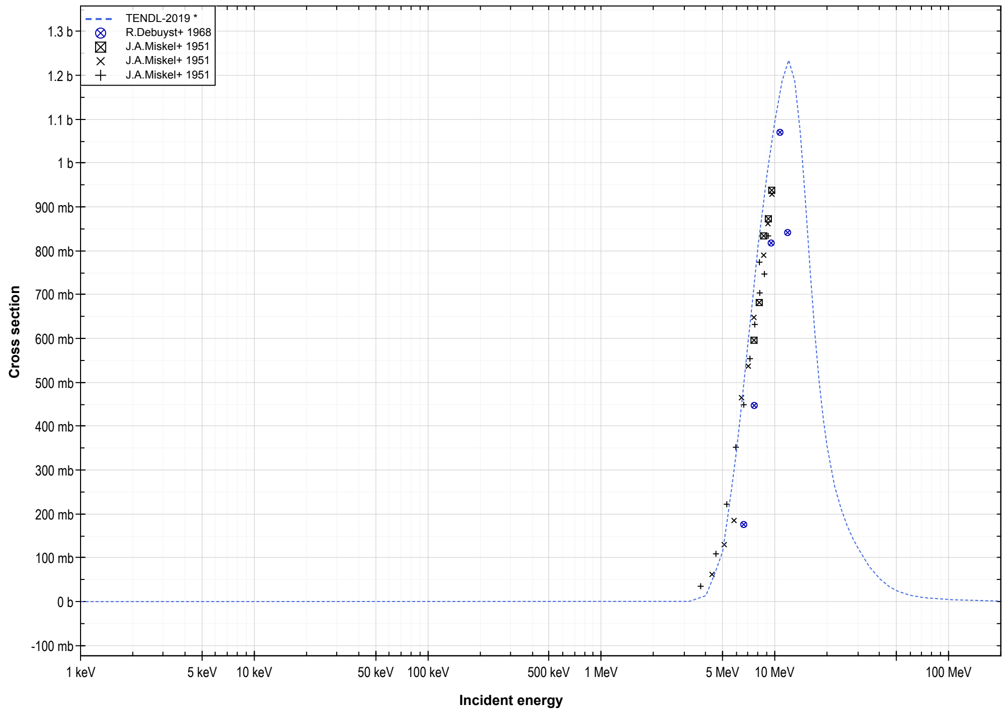
Reaction	Q-Value
Se80(d,2n)Br80	-4877.41 keV

<< 34-Se-80	**34-Se-82**	35-Br-79 >>
<< 34-Se-80 MT16 (d,2n)	**MT16 (d,2n) or MT5 (Br82 production)**	35-Br-79 MT16 (d,2n) >>

Se82 (d,2n) or Br82 production log-log

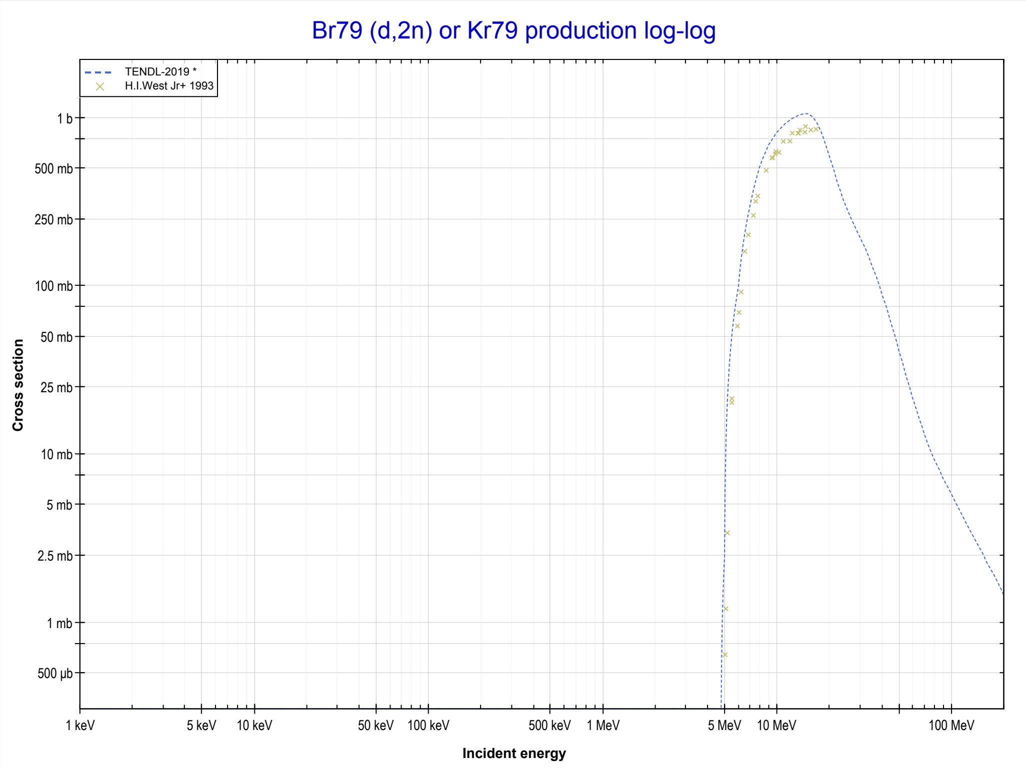


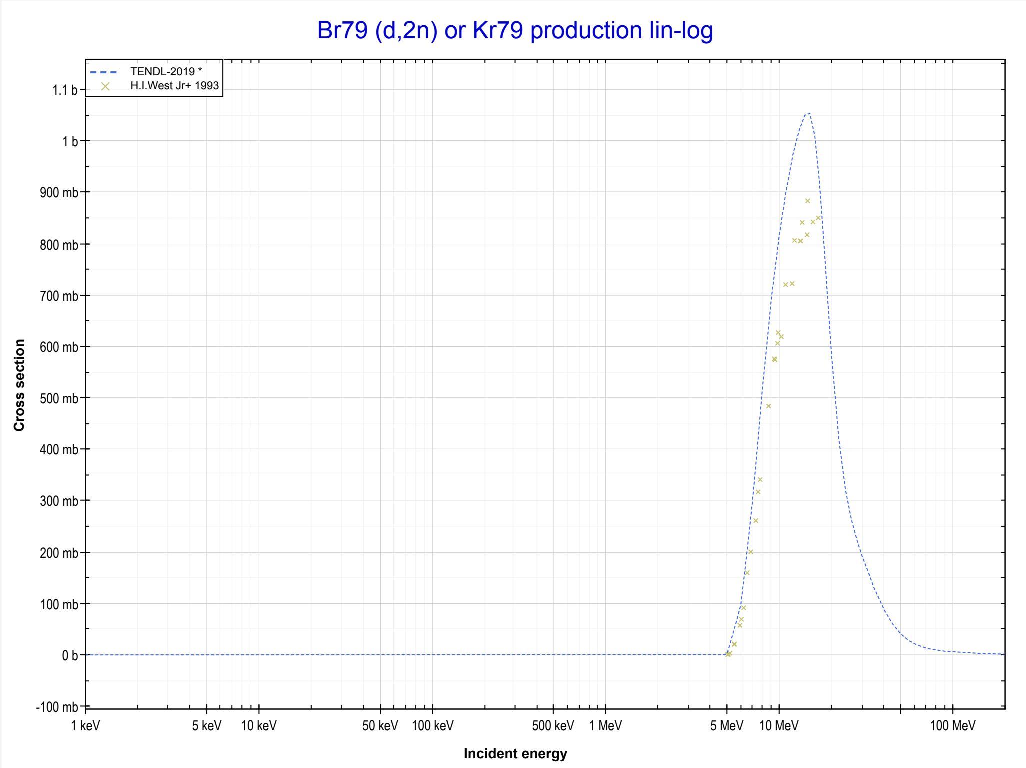
Se82 (d,2n) or Br82 production lin-log



Reaction	Q-Value
Se82(d,2n)Br82	-3102.11 keV

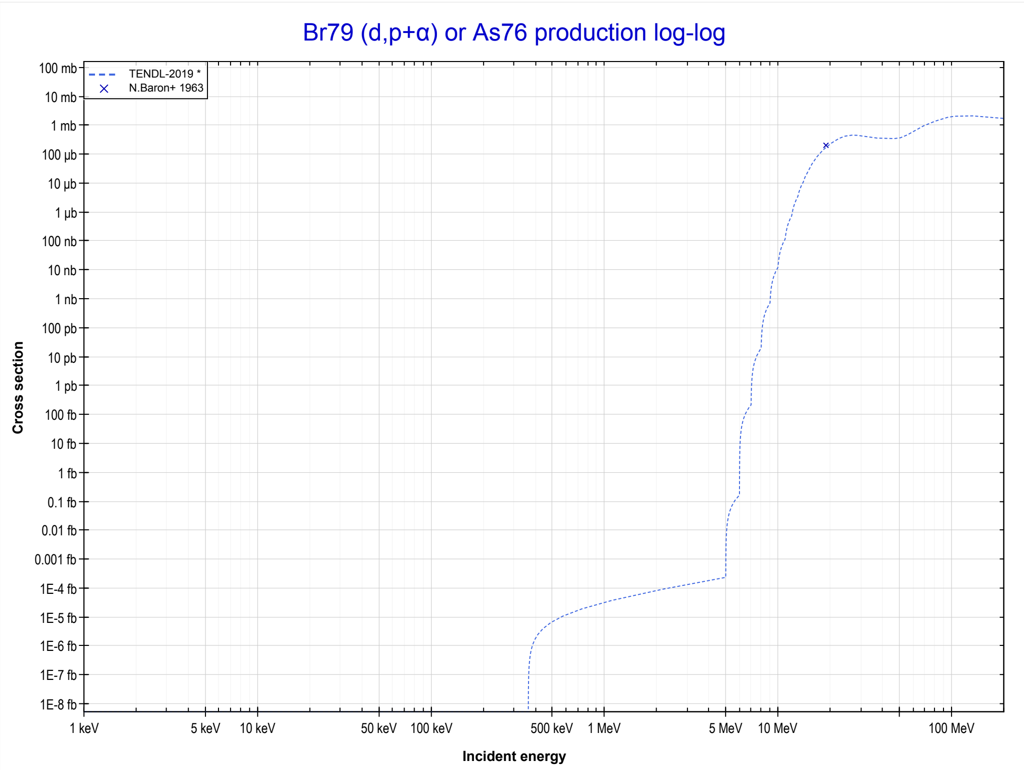
<< 34-Se-82	**35-Br-79**	35-Br-81 >>
<< 34-Se-82 MT16 (d,2n)	**MT16 (d,2n) or MT5 (Kr79 production)**	MT112 (d,p+α) >>

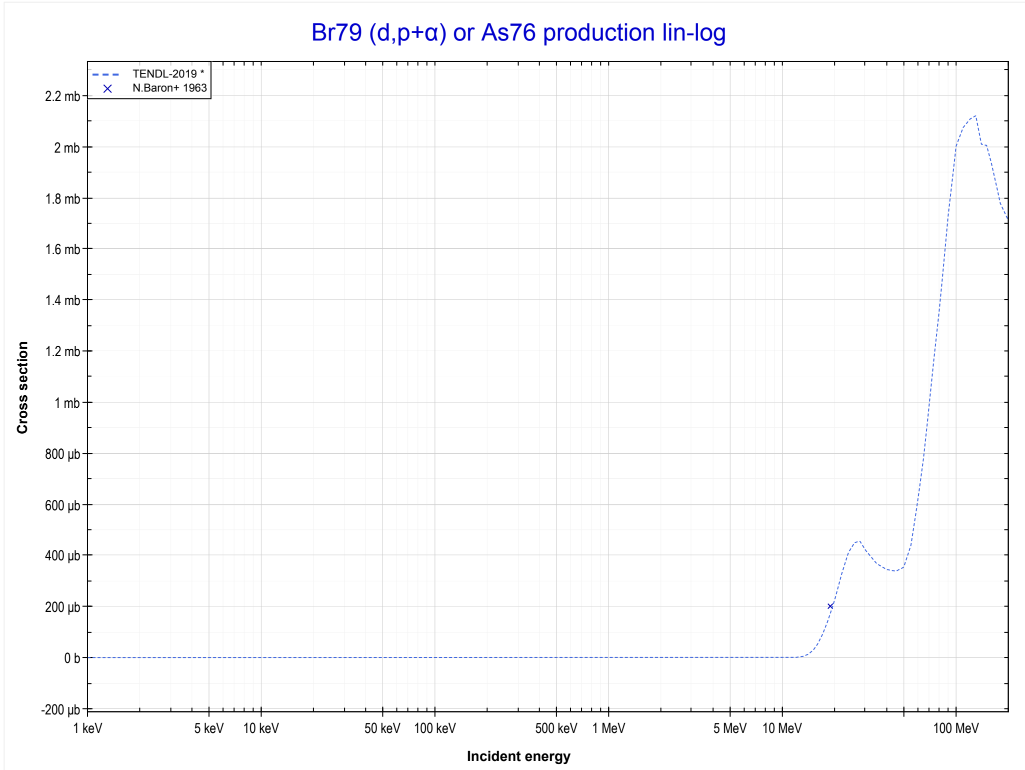




Reaction	Q-Value
Br79(d,2n)Kr79	-4632.91 keV

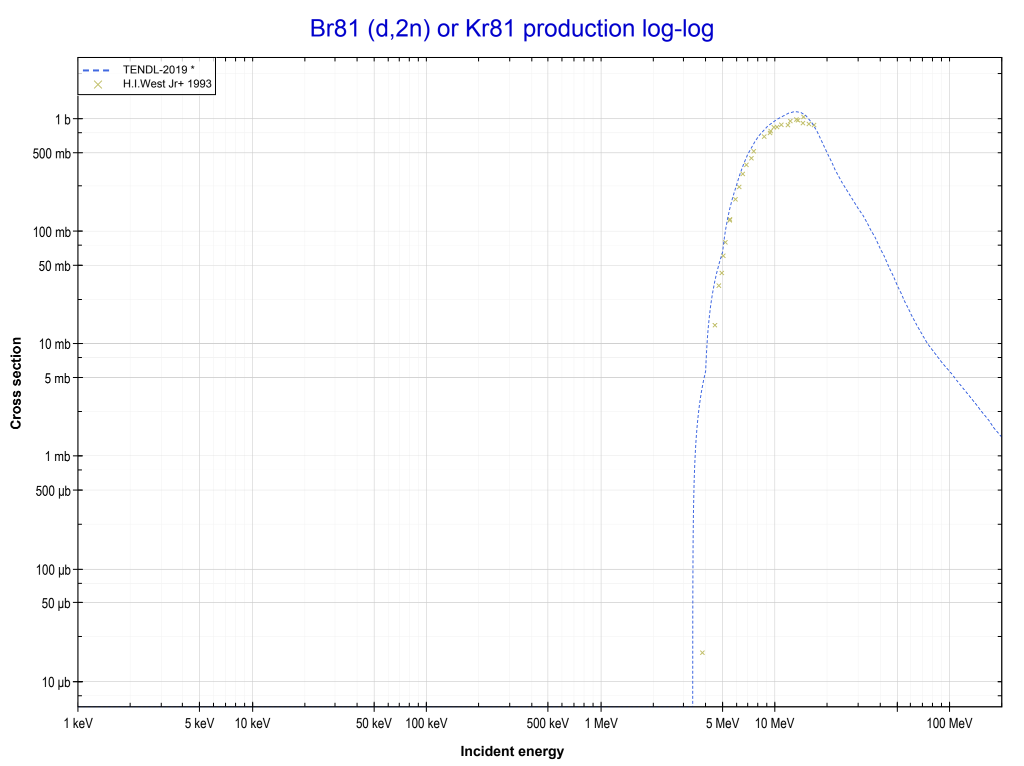
<< 33-As-75	35-Br-79	49-In-115 >>
<< MT16 (d,2n)	**MT112 (d,p+α) or MT5 (As76 production)**	35-Br-81 MT16 (d,2n) >>

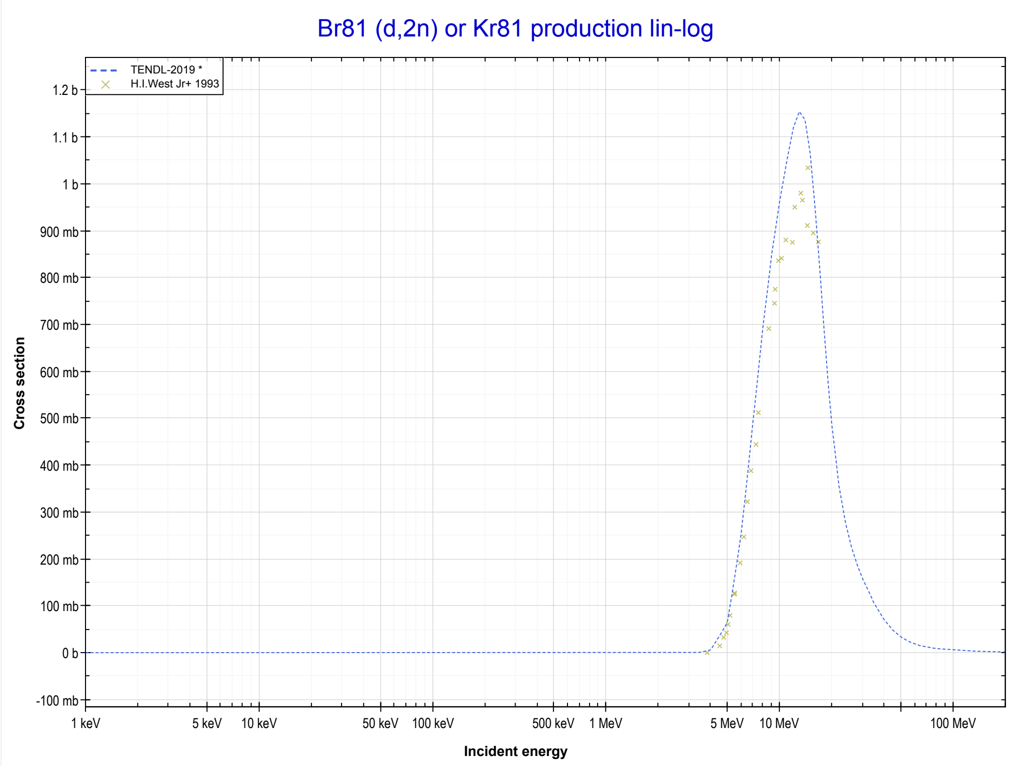




Reaction	Q-Value
Br79(d,p+α)As76	-354.76 keV
Br79(d,d+He3)As76	-18707.82 keV
Br79(d,2p+t)As76	-20168.63 keV
Br79(d,n+p+He3)As76	-20932.38 keV
Br79(d,p+2d)As76	-24201.29 keV
Br79(d,n+2p+d)As76	-26425.86 keV
Br79(d,2n+3p)As76	-28650.42 keV

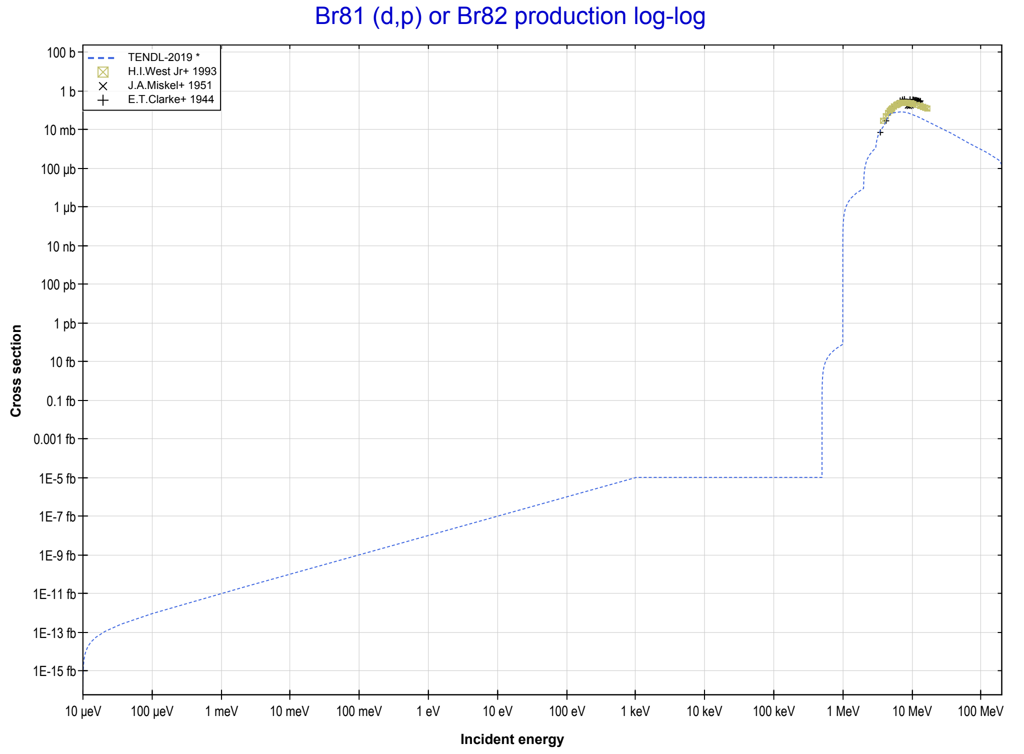
<< 35-Br-79	**35-Br-81**	39-Y-89 >>
<< 35-Br-79 MT112 (d,p+α)	**MT16 (d,2n) or MT5 (Kr81 production)**	MT103 (d,p) >>

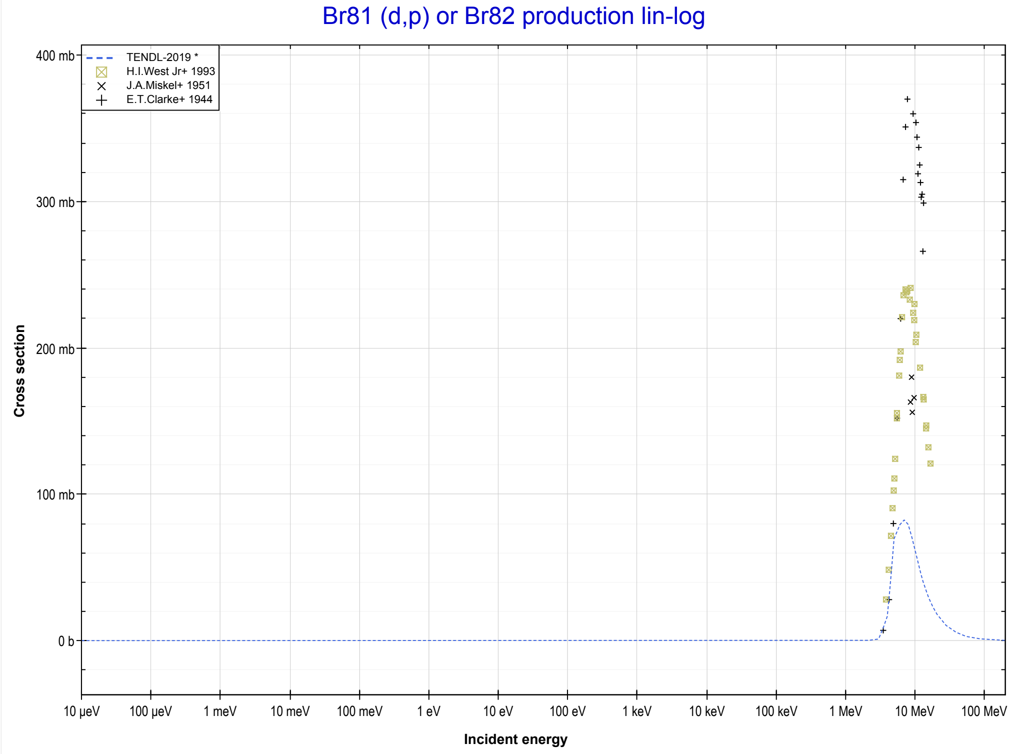




Reaction	Q-Value
Br81(d,2n)Kr81	-3287.71 keV

<< 33-As-75	**35-Br-81**	39-Y-89 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Br82 production)**	36-Kr-78 MT4 (d,n) >>

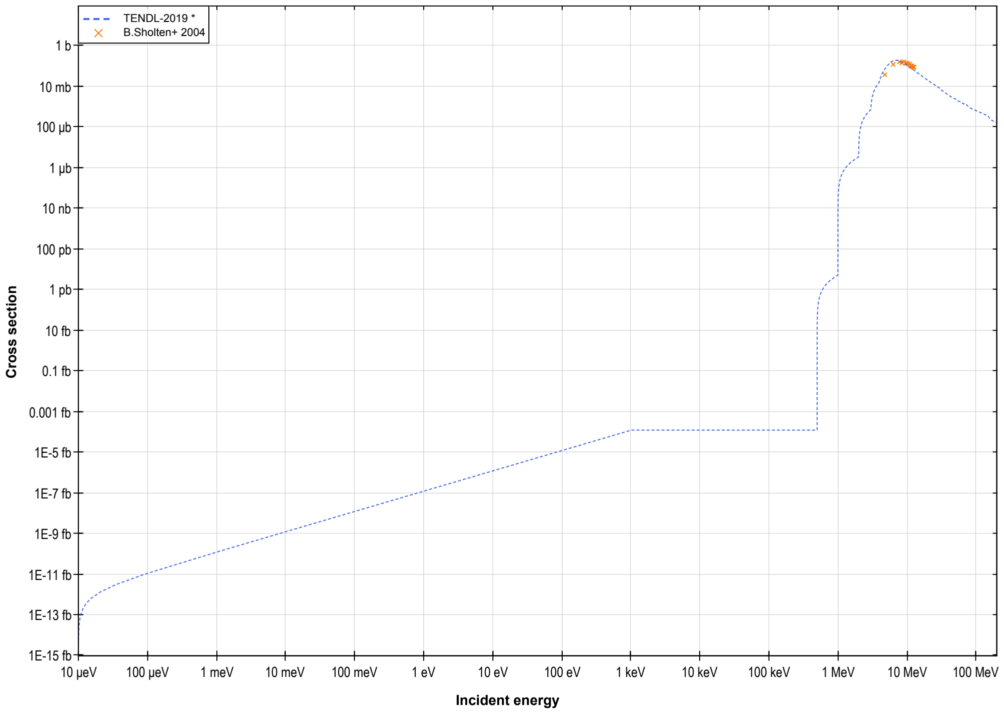




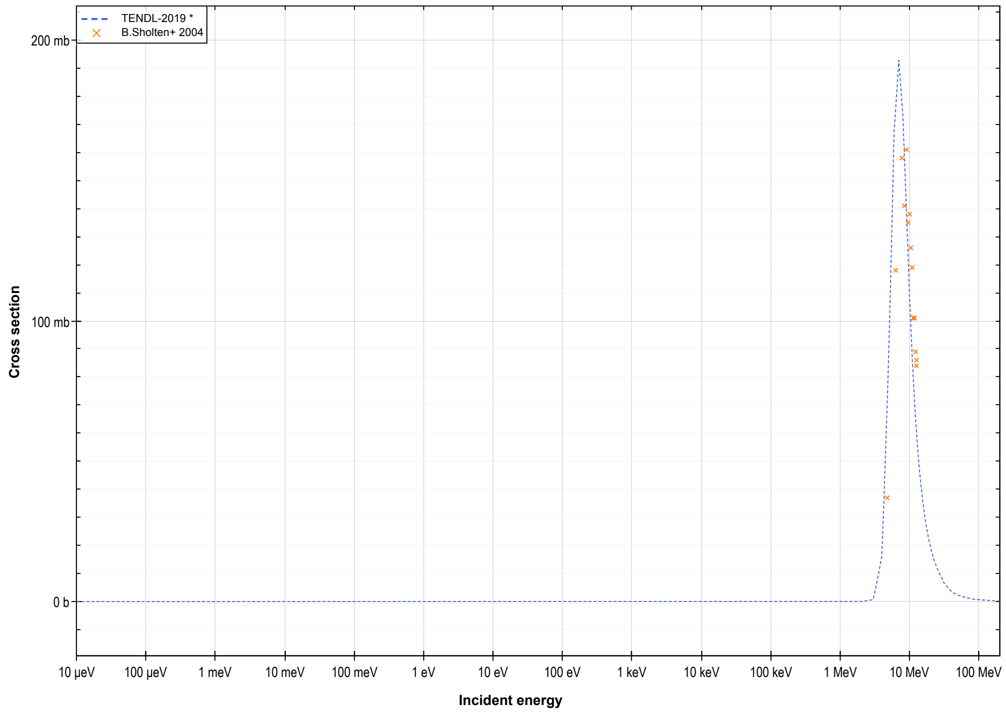
Reaction	Q-Value
Br81(d,p)Br82	5368.45 keV

<< 34-Se-74	**36-Kr-78**	36-Kr-80 >>
<< 35-Br-81 MT103 (d,p)	**MT4 (d,n) or MT5 (Rb79 production)**	MT22 (d,n+α) >>

Kr78 (d,n) or Rb79 production log-log

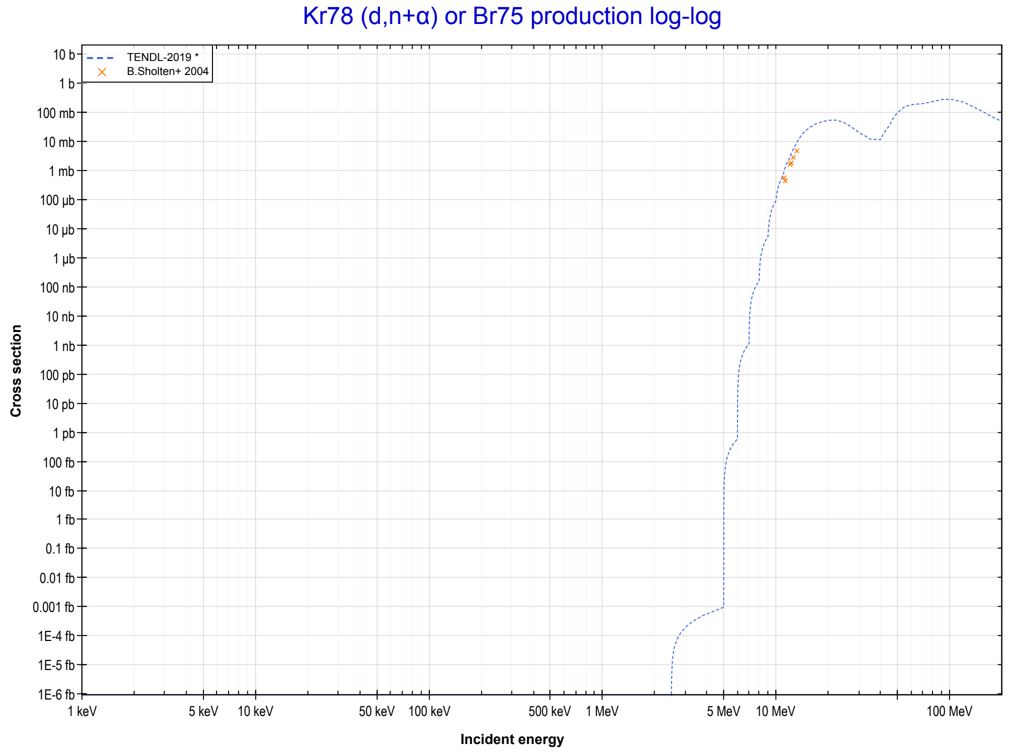


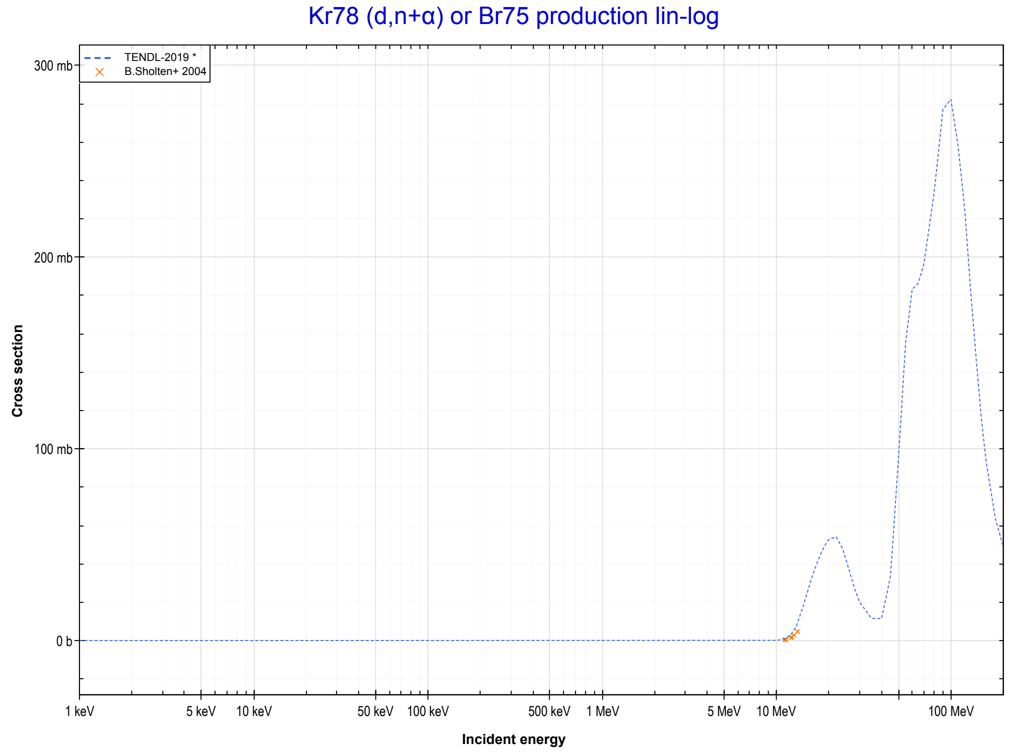
Kr78 (d,n) or Rb79 production lin-log



Reaction	Q-Value
Kr78(d,n)Rb79	1689.10 keV

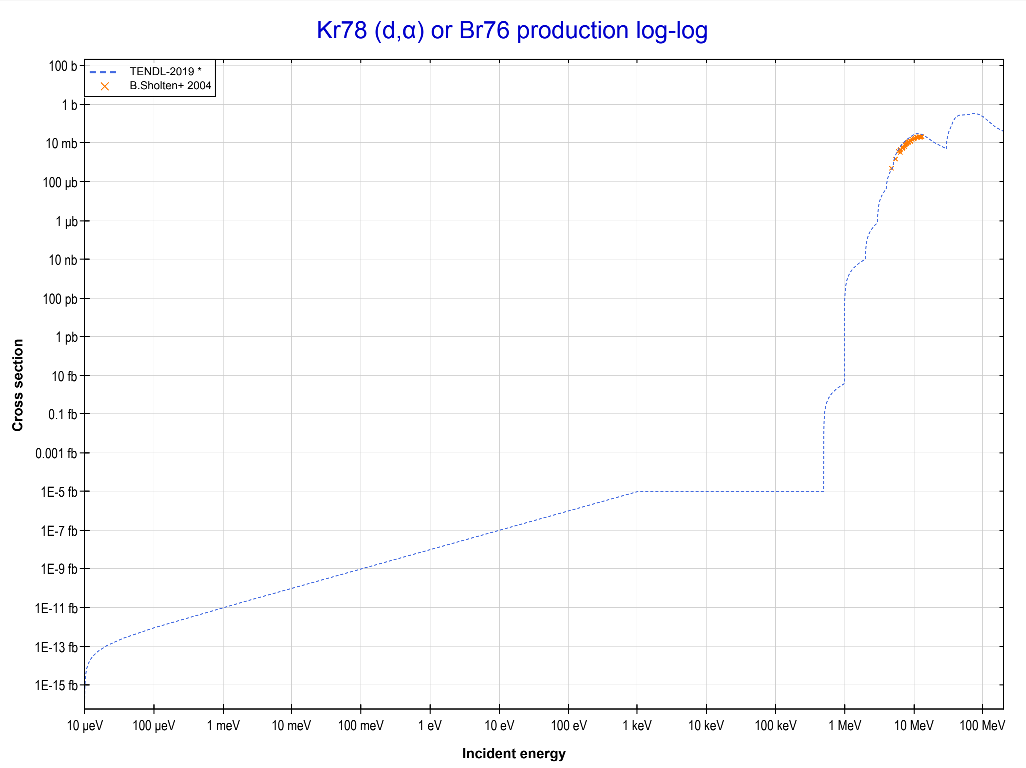
<< 30-Zn-70	36-Kr-78	40-Zr-91 >>
<< MT4 (d,n)	**MT22 (d,n+α) or MT5 (Br75 production)**	MT107 (d,α) >>

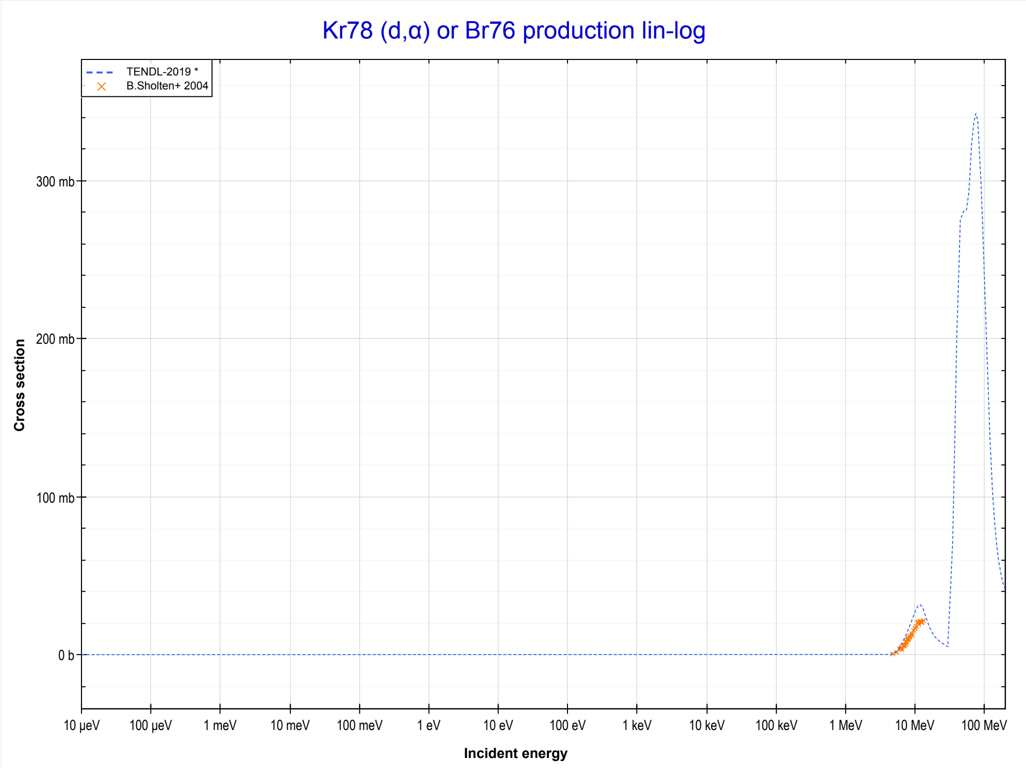




Reaction	Q-Value
Kr78(d,n+α)Br75	-2431.81 keV
Kr78(d,d+t)Br75	-20021.11 keV
Kr78(d,n+p+t)Br75	-22245.68 keV
Kr78(d,2n+He3)Br75	-23009.43 keV
Kr78(d,n+2d)Br75	-26278.34 keV
Kr78(d,2n+p+d)Br75	-28502.90 keV
Kr78(d,3n+2p)Br75	-30727.47 keV

<< 30-Zn-66	**36-Kr-78**	39-Y-89 >>
<< MT22 (d,n+α)	**MT107 (d,α) or MT5 (Br76 production)**	36-Kr-80 MT4 (d,n) >>

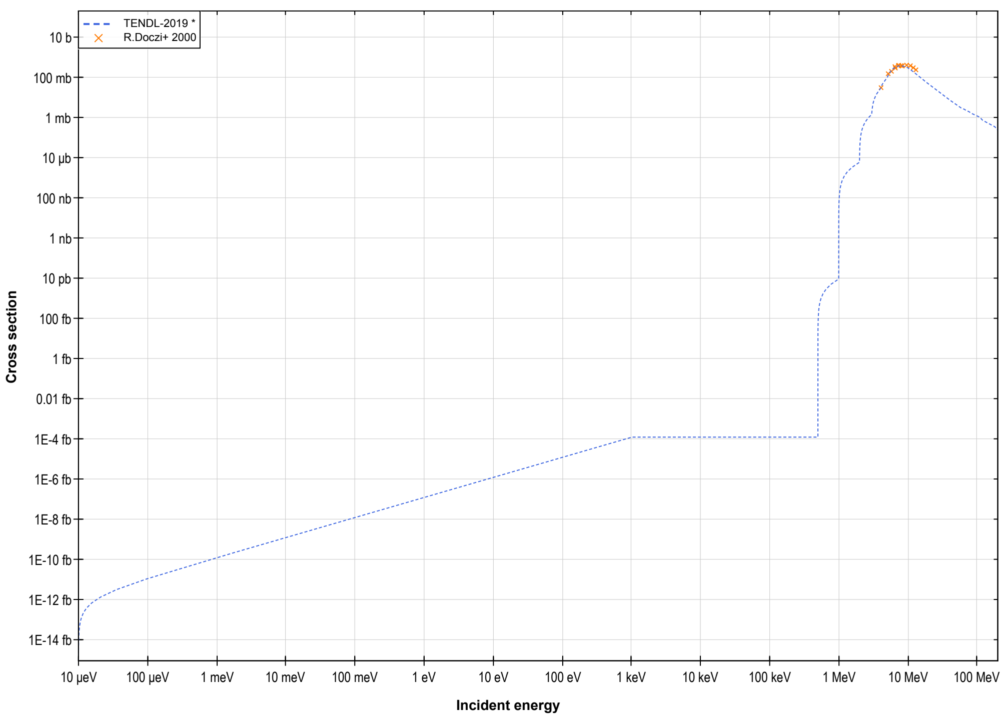




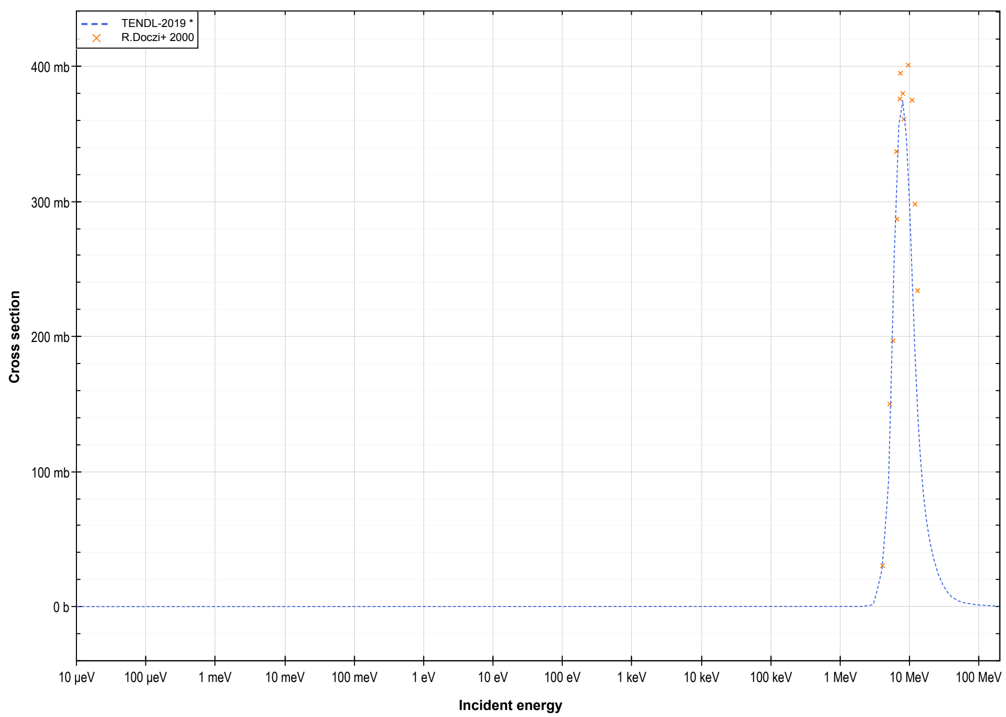
Reaction	Q-Value
Kr78(d,α)Br76	6821.51 keV
Kr78(d,p+t)Br76	-12992.36 keV
Kr78(d,n+He3)Br76	-13756.11 keV
Kr78(d,2d)Br76	-17025.02 keV
Kr78(d,n+p+d)Br76	-19249.59 keV
Kr78(d,2n+2p)Br76	-21474.15 keV

<< 36-Kr-78	**36-Kr-80**	40-Zr-94 >>
<< 36-Kr-78 MT107 (d,α)	**MT4 (d,n) or MT5 (Rb81 production)**	39-Y-89 MT11 (d,2n+d) >>

Kr80 (d,n) or Rb81 production log-log

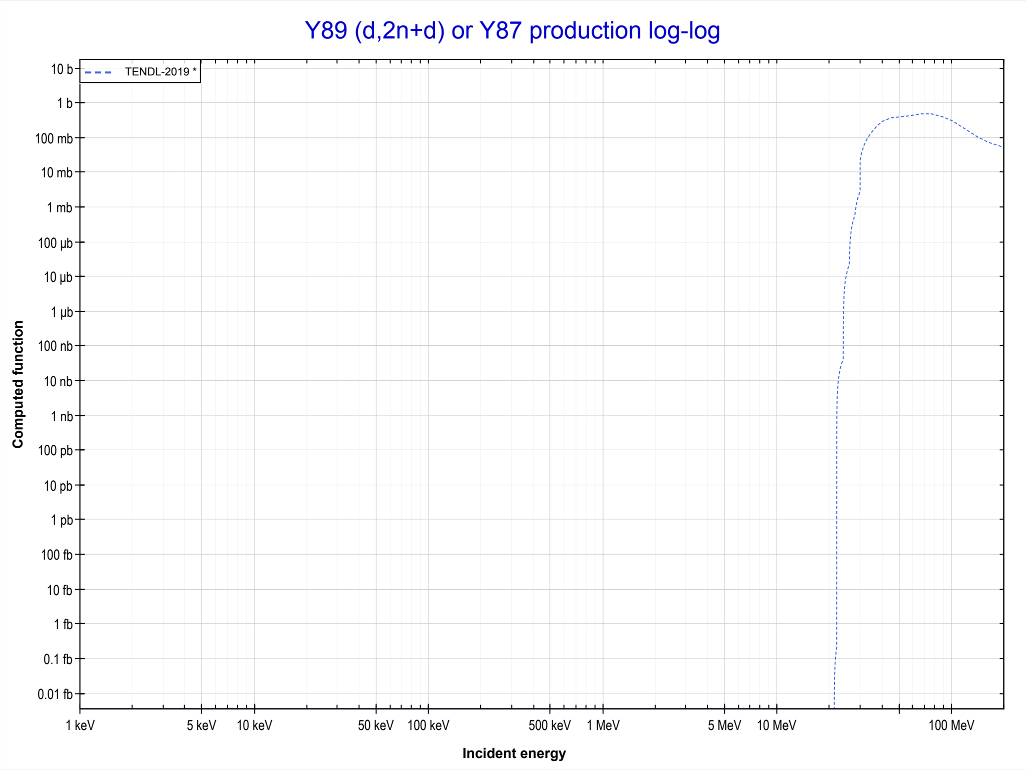


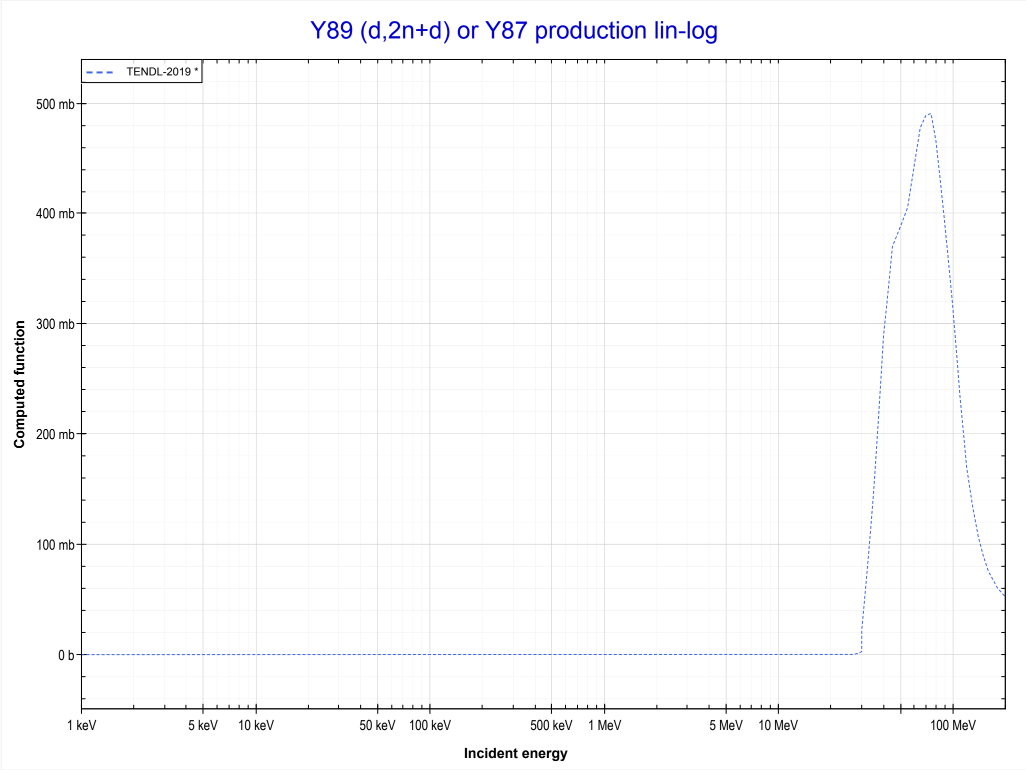
Kr80 (d,n) or Rb81 production lin-log



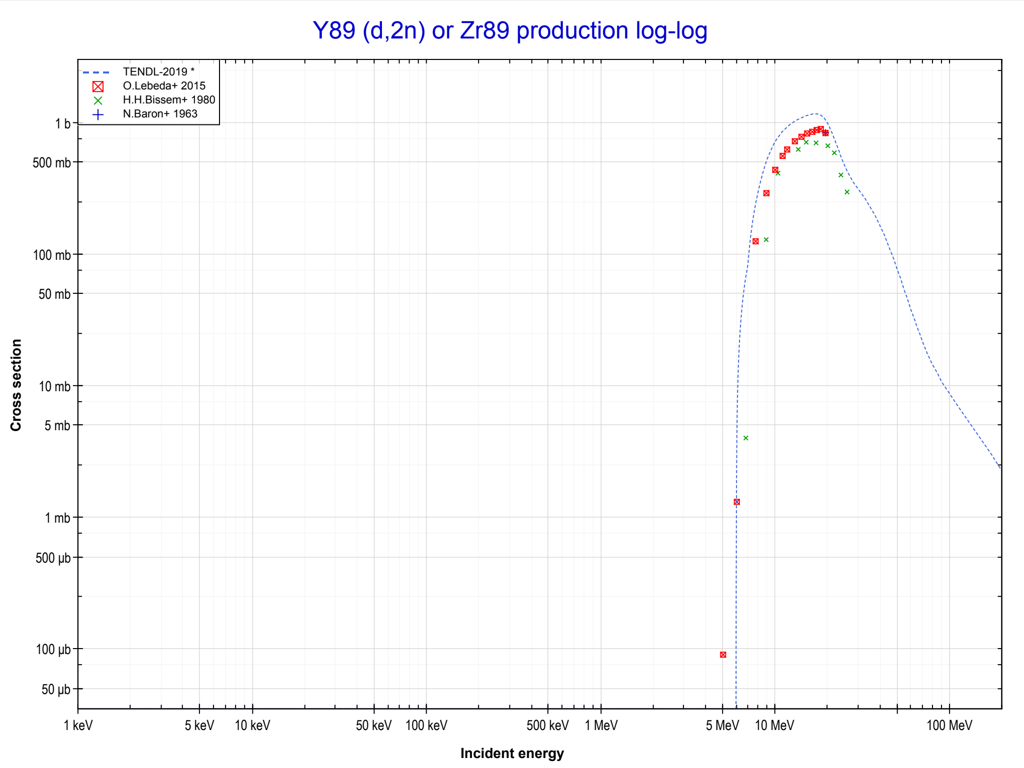
Reaction	Q-Value
Kr80(d,n)Rb81	2628.10 keV

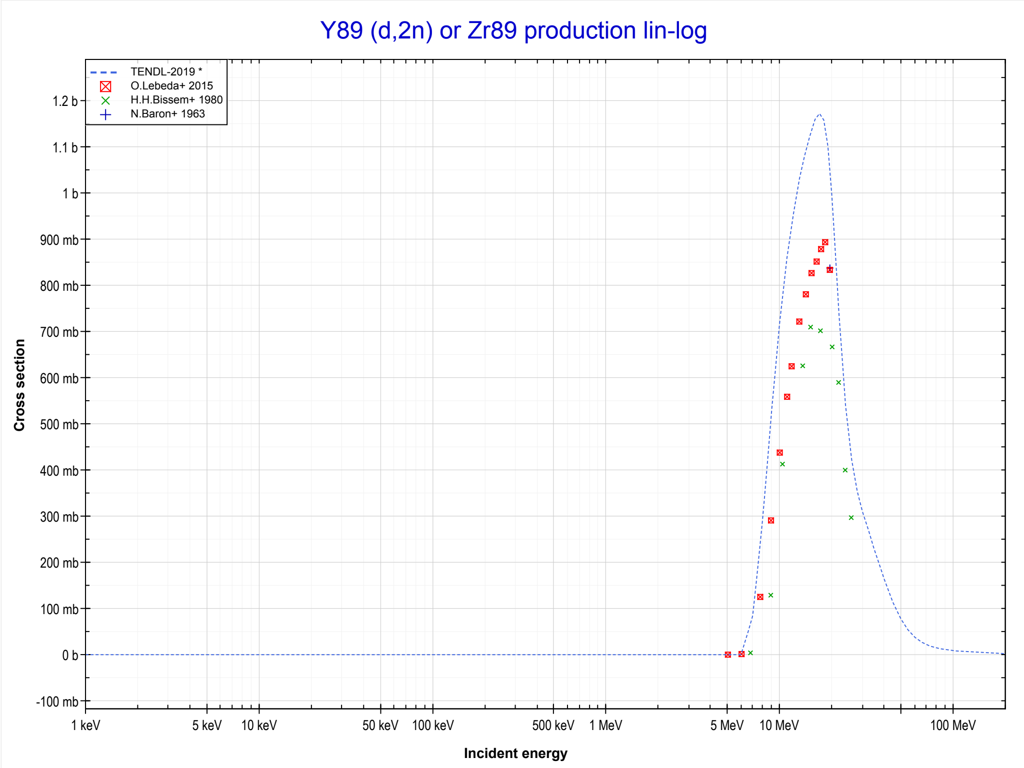
<< 27-Co-59	39-Y-89	45-Rh-103 >>
<< 36-Kr-80 MT4 (d,n)	**MT11 (d,2n+d) or MT5 (Y87 production)**	MT16 (d,2n) >>





Reaction	Q-Value
Y89(d,n+t)Y87	-14575.41 keV
Y89(d,2n+d)Y87	-20832.63 keV
Y89(d,3n+p)Y87	-23057.20 keV

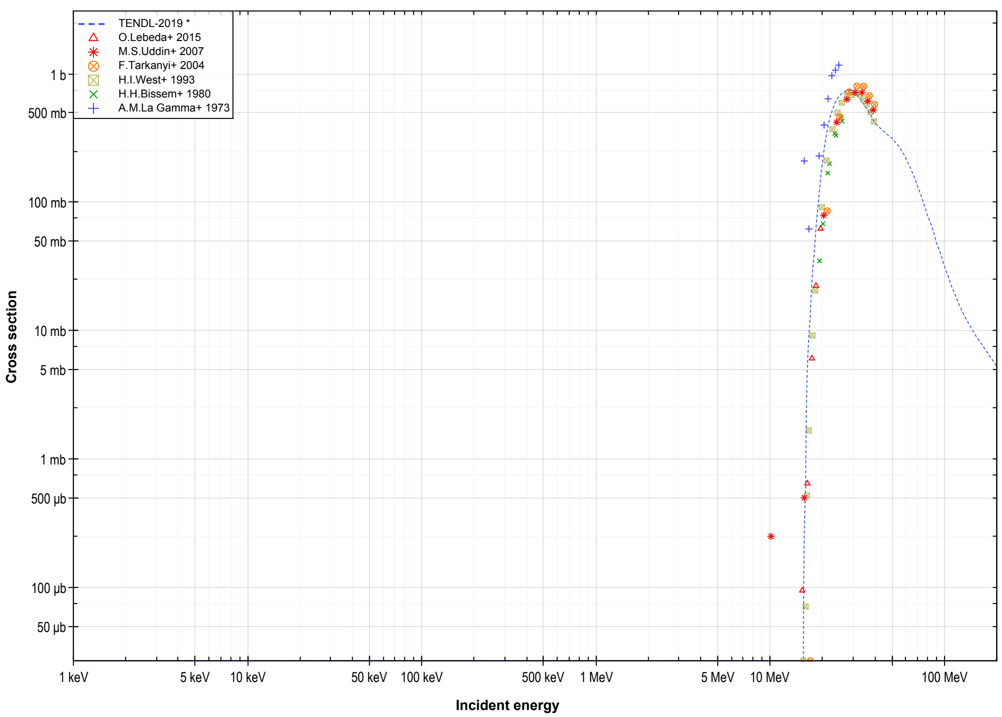




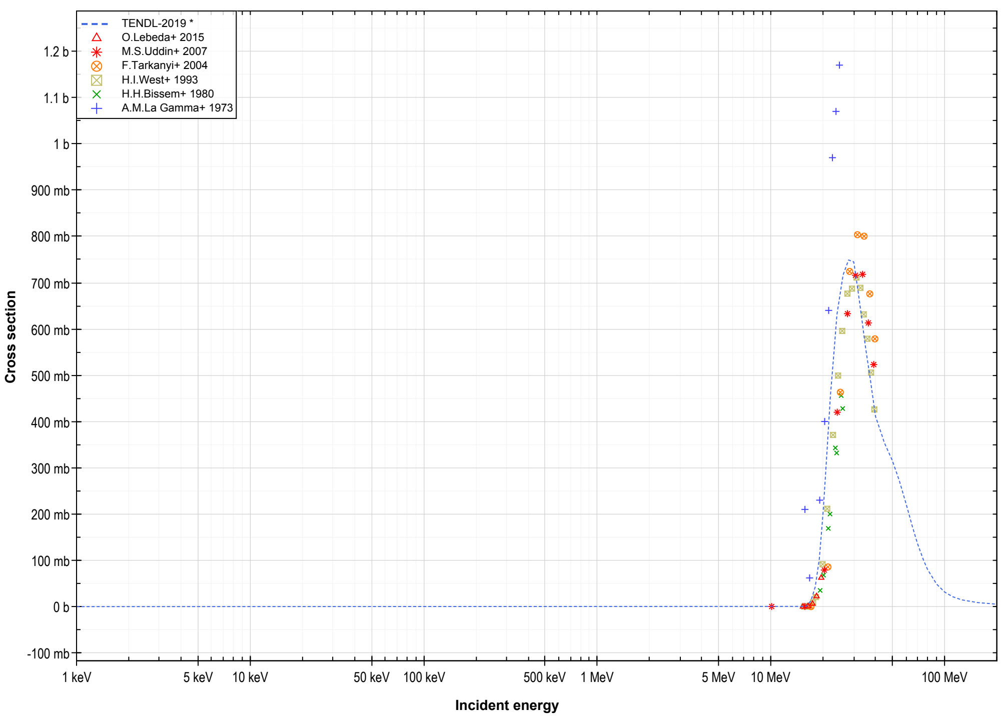
Reaction	Q-Value
Y89(d,2n)Zr89	-5839.31 keV

<< 34-Se-76	**39-Y-89**	40-Zr-90 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Zr88 production)**	MT24 (d,2n+α) >>

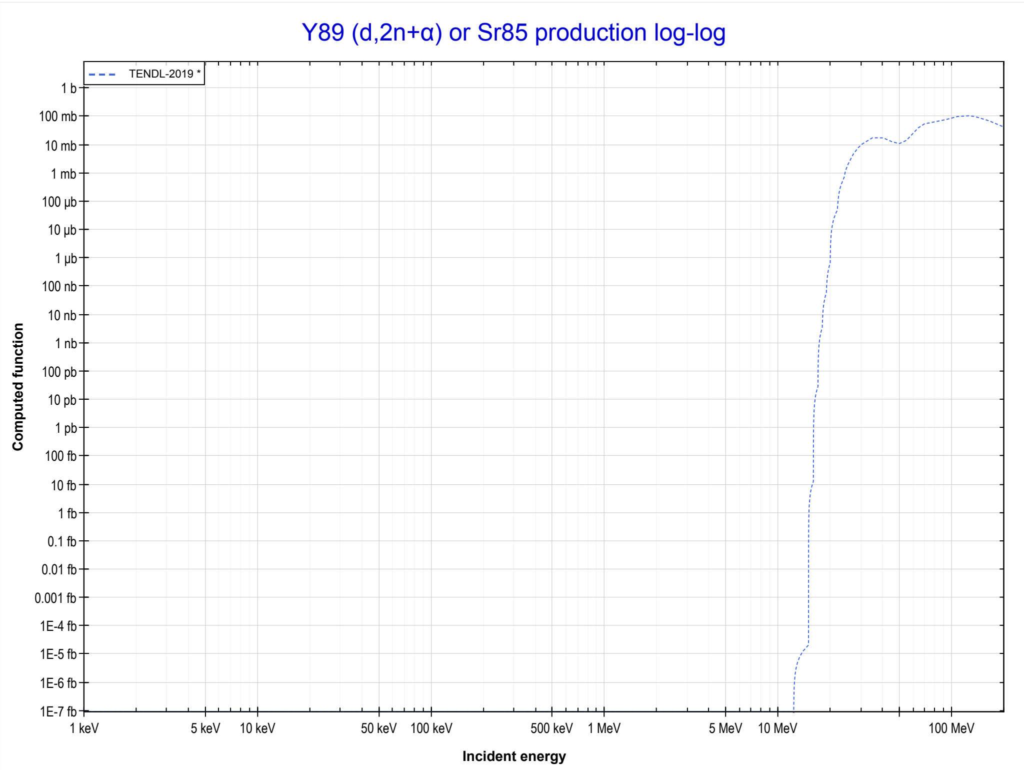
Y89 (d,3n) or Zr88 production log-log

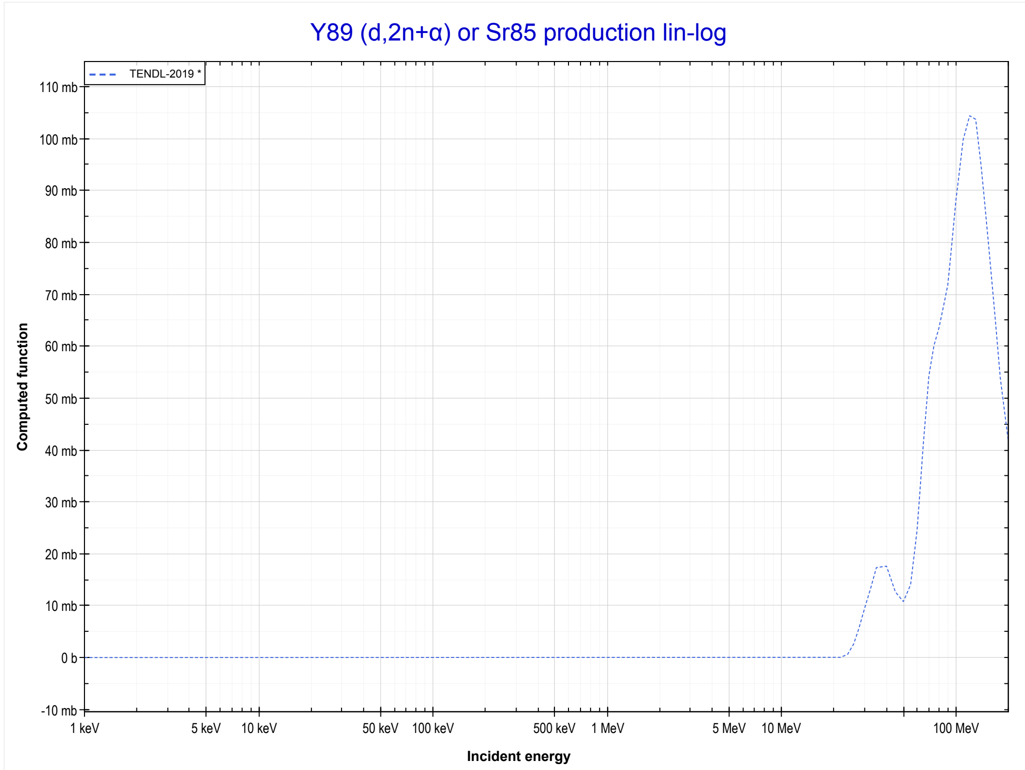


Y89 (d,3n) or Zr88 production lin-log



Reaction	Q-Value
Y89(d,3n)Zr88	-15157.63 keV

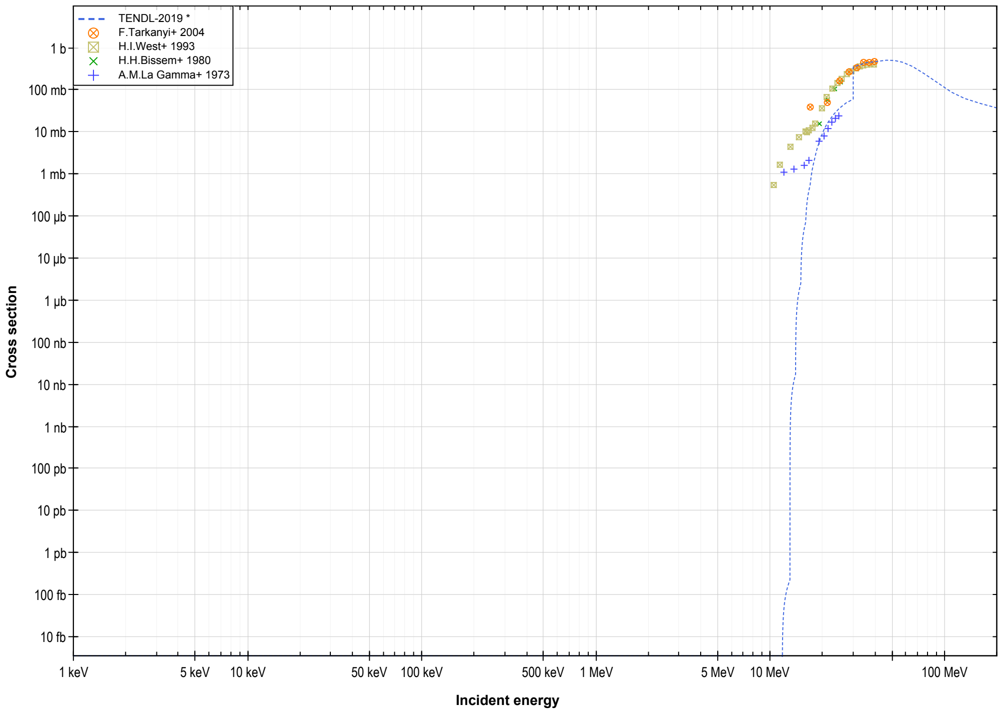




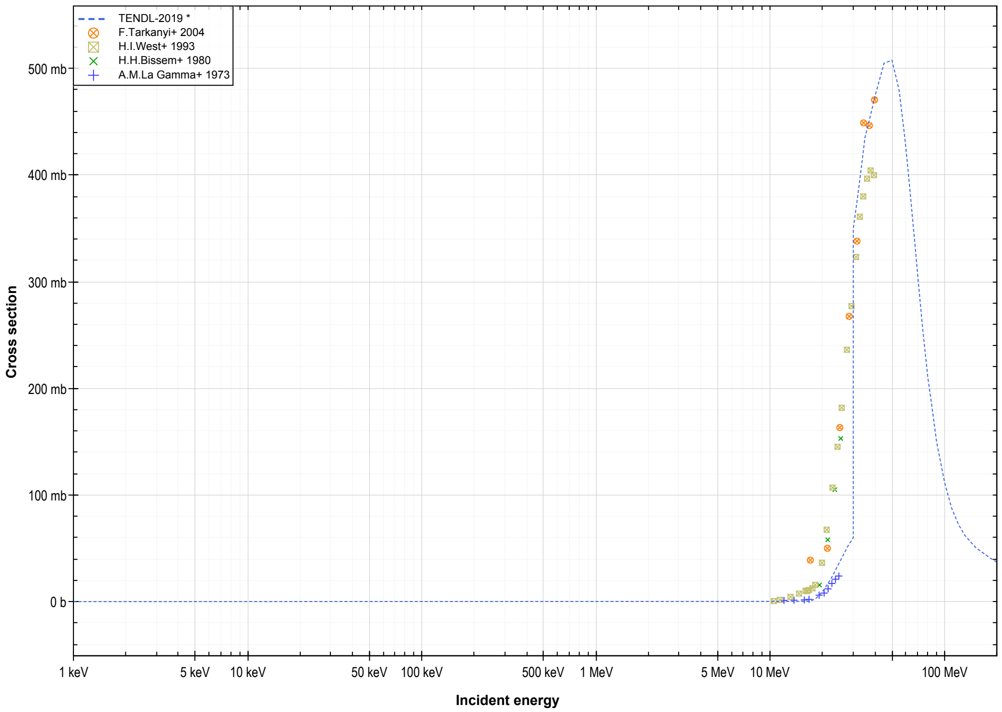
Reaction	Q-Value
Y89(d,2n+α)Sr85	-12036.93 keV
Y89(d,2t)Sr85	-23369.00 keV
Y89(d,n+d+t)Sr85	-29626.23 keV
Y89(d,2n+p+t)Sr85	-31850.79 keV
Y89(d,3n+He3)Sr85	-32614.55 keV
Y89(d,2n+2d)Sr85	-35883.46 keV
Y89(d,3n+p+d)Sr85	-38108.02 keV
Y89(d,4n+2p)Sr85	-40332.59 keV

<< 28-Ni-58	**39-Y-89**	45-Rh-103 >>
<< MT24 (d,2n+α)	**MT32 (d,n+d) or MT5 (Y88 production)**	MT33 (d,n+t) >>

Y89 (d,n+d) or Y88 production log-log

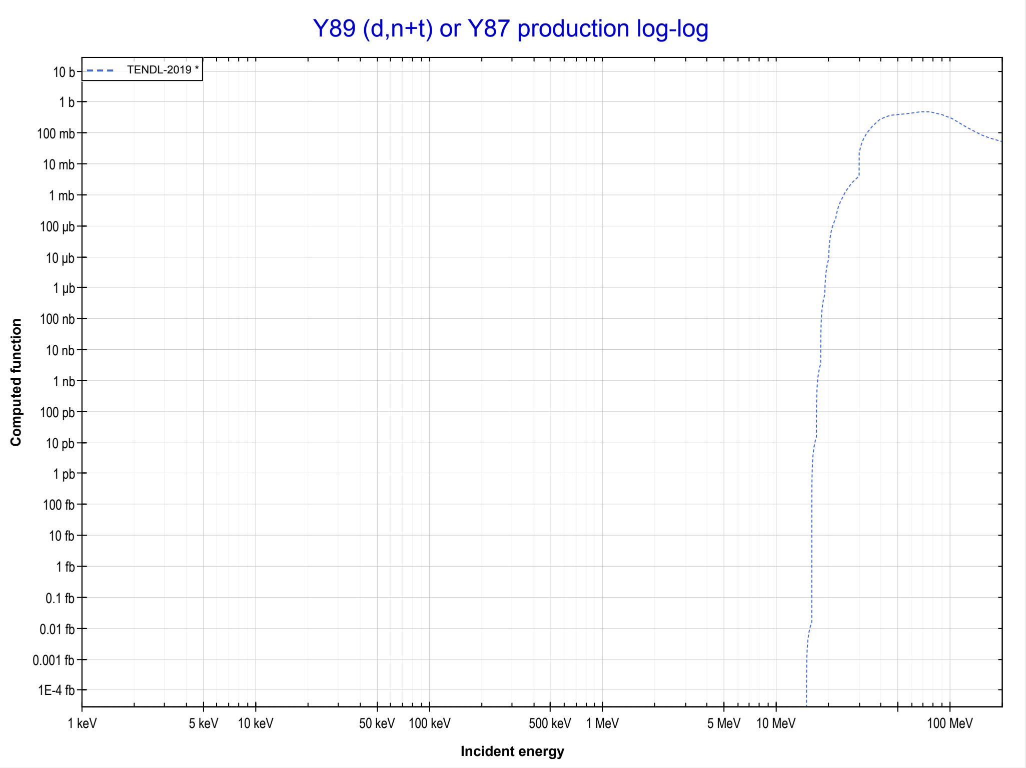


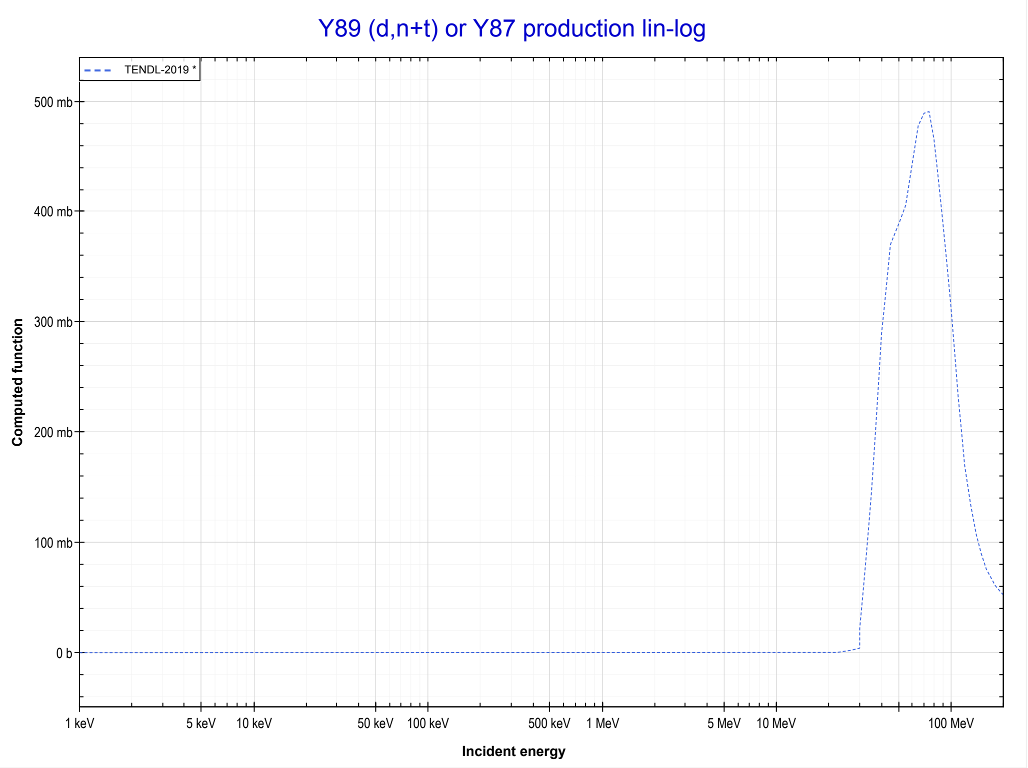
Y89 (d,n+d) or Y88 production lin-log



Reaction	Q-Value
Y89(d,t)Y88	-5223.49 keV
Y89(d,n+d)Y88	-11480.72 keV
Y89(d,2n+p)Y88	-13705.28 keV

<< 27-Co-59	39-Y-89	45-Rh-103 >>
<< MT32 (d,n+d)	**MT33 (d,n+t) or MT5 (Y87 production)**	MT37 (d,4n) >>

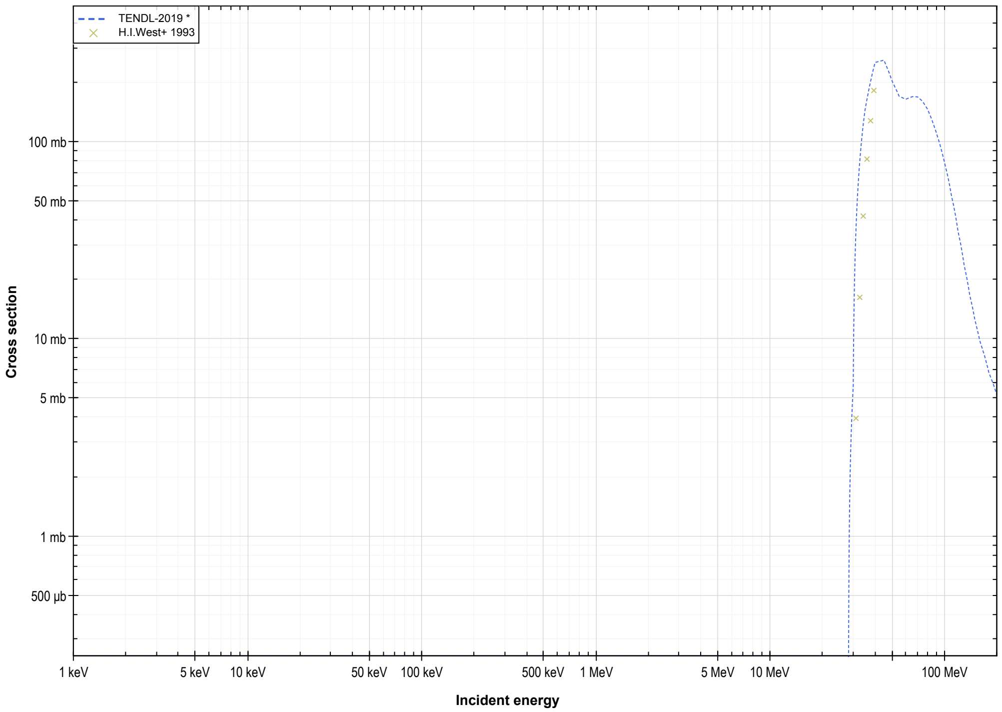




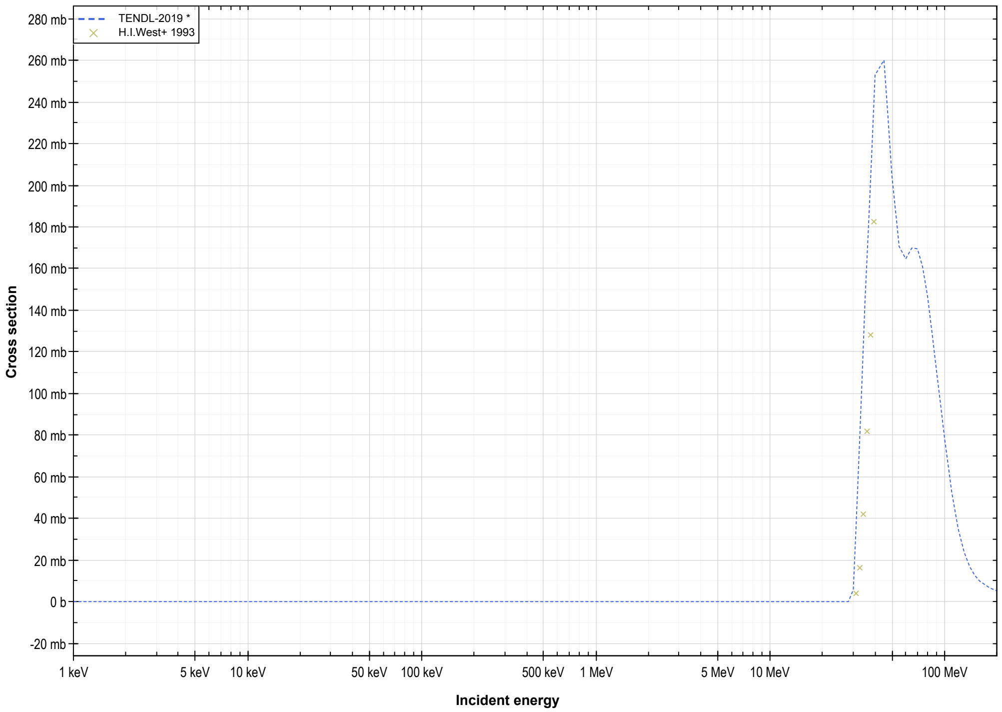
Reaction	Q-Value
Y89(d,n+t)Y87	-14575.41 keV
Y89(d,2n+d)Y87	-20832.63 keV
Y89(d,3n+p)Y87	-23057.20 keV

<< 34-Se-76	**39-Y-89**	45-Rh-103 >>
<< MT33 (d,n+t)	**MT37 (d,4n) or MT5 (Zr87 production)**	MT41 (d,2n+p) >>

Y89 (d,4n) or Zr87 production log-log

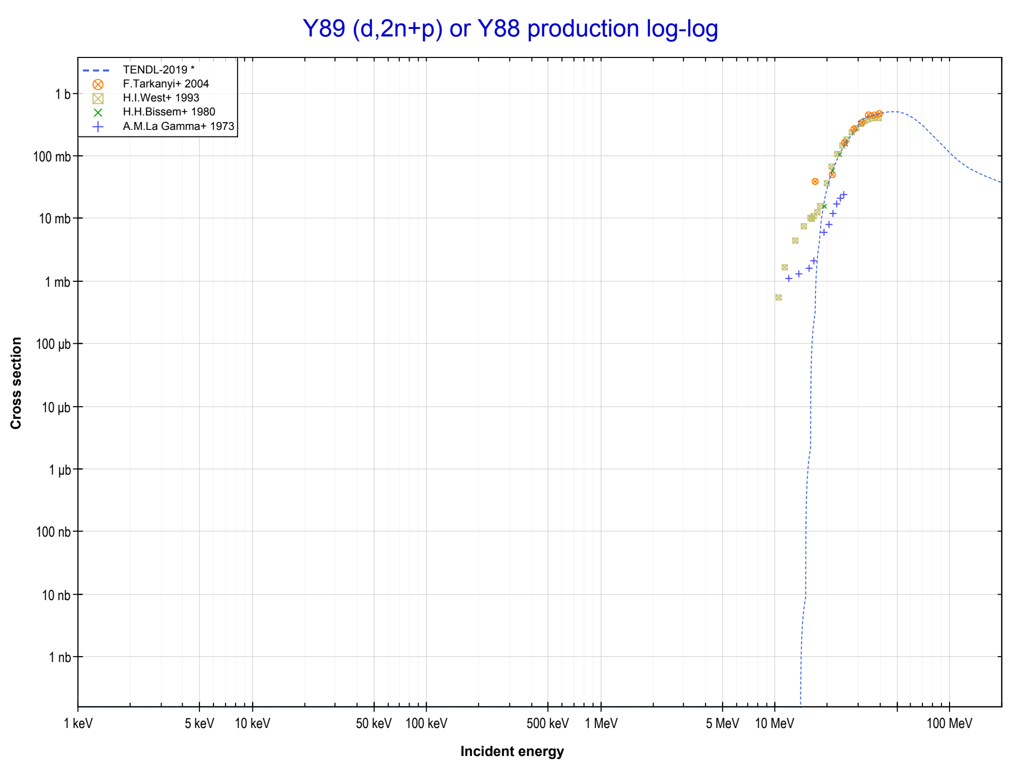


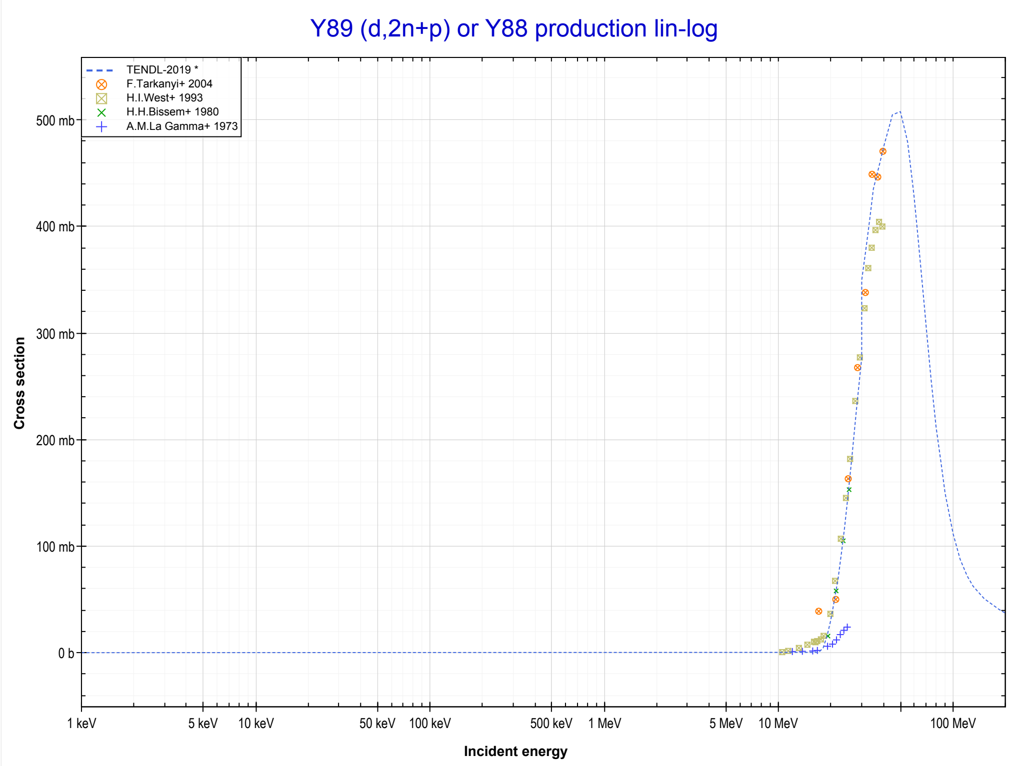
Y89 (d,4n) or Zr87 production lin-log



Reaction	Q-Value
Y89(d,4n)Zr87	-27510.95 keV

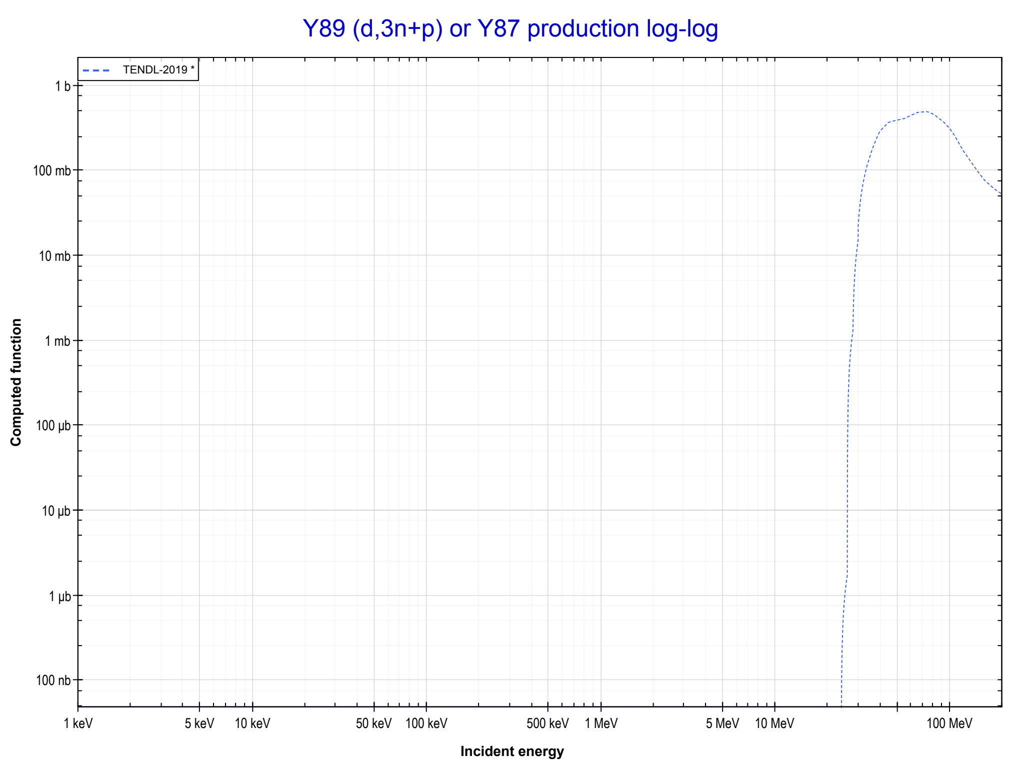
<< 33-As-75	39-Y-89	45-Rh-103 >>
<< MT37 (d,4n)	**MT41 (d,2n+p) or MT5 (Y88 production)**	MT42 (d,3n+p) >>

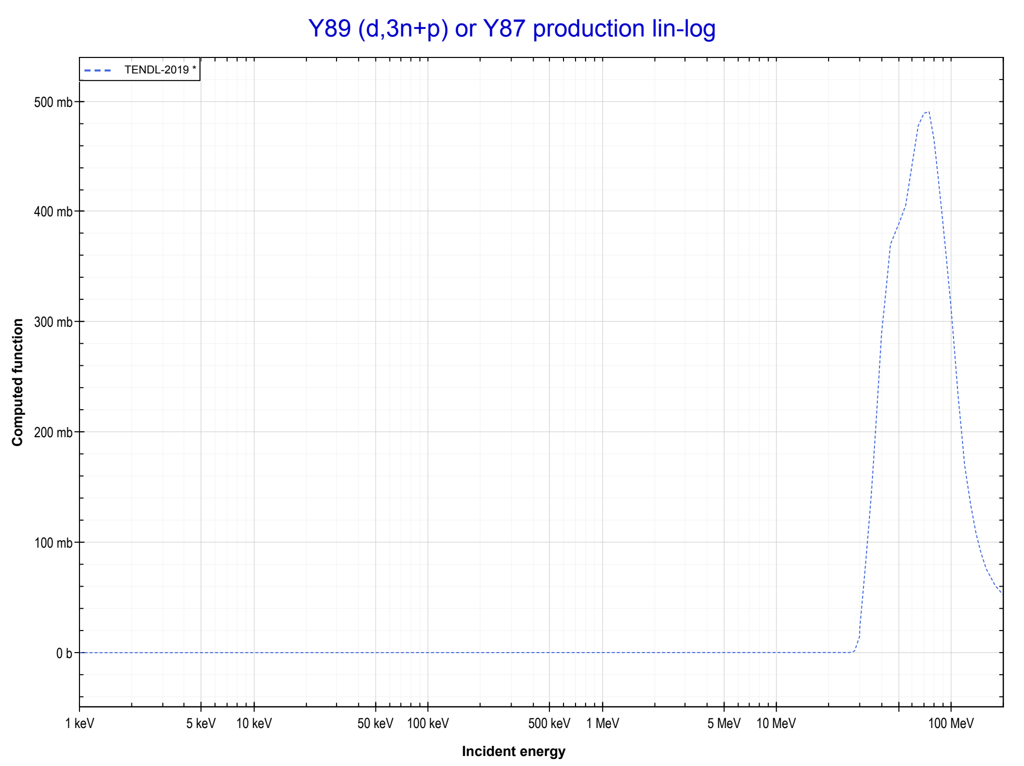




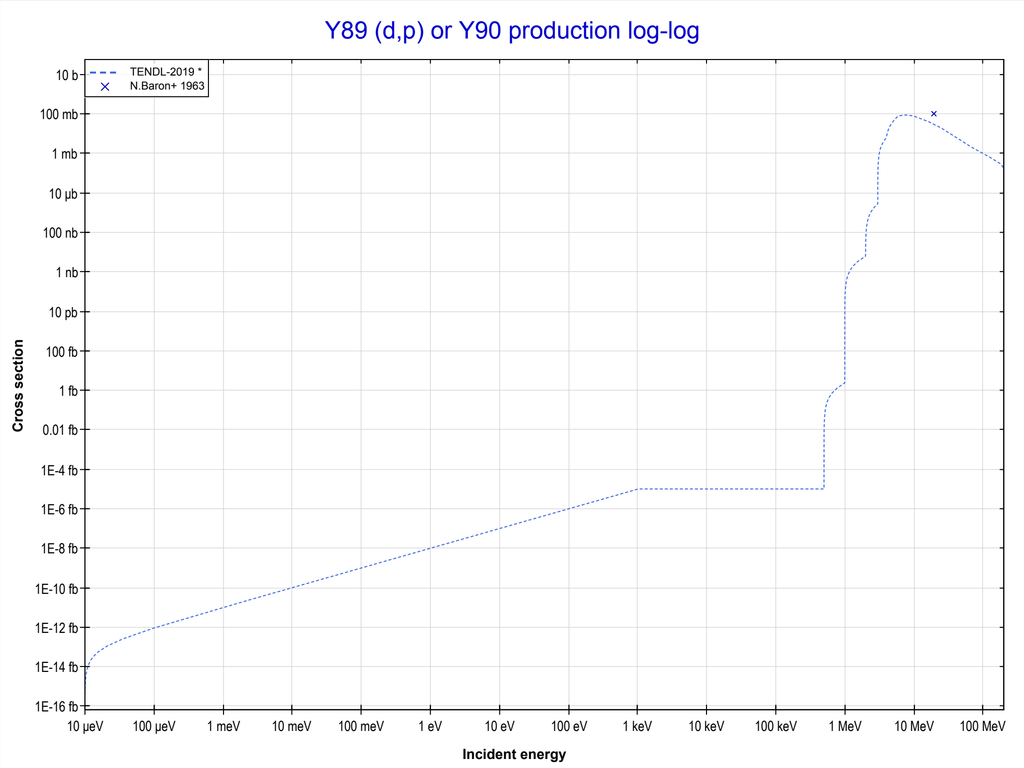
Reaction	Q-Value
Y89(d,t)Y88	-5223.49 keV
Y89(d,n+d)Y88	-11480.72 keV
Y89(d,2n+p)Y88	-13705.28 keV

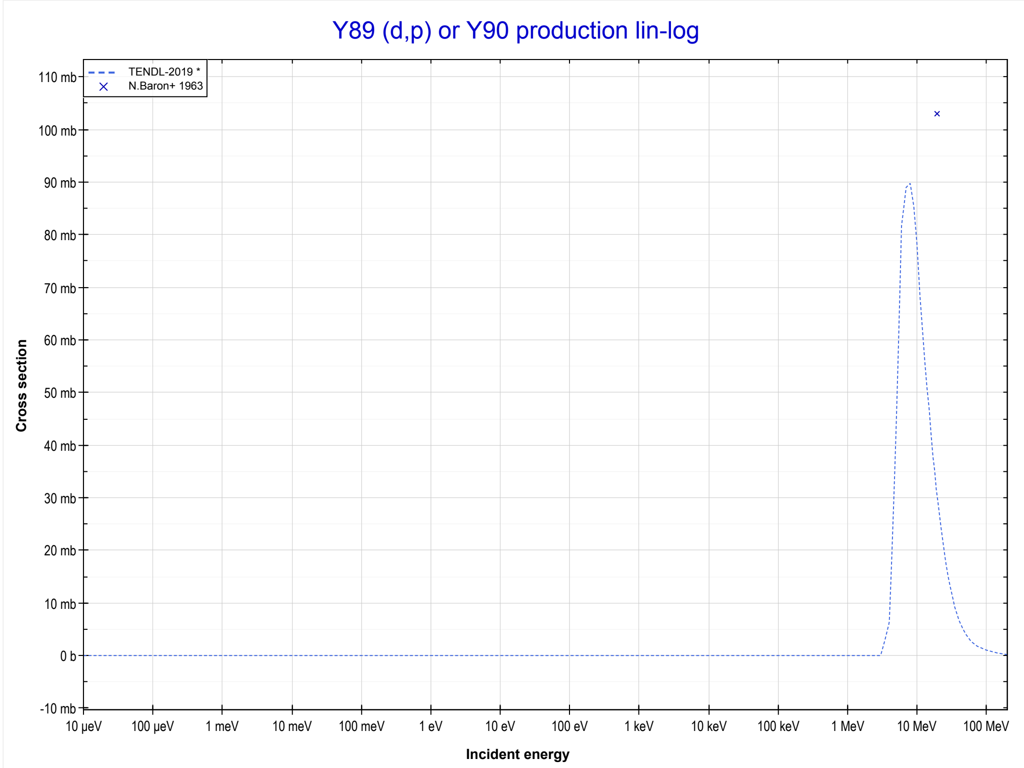
<< 33-As-75	**39-Y-89**	45-Rh-103 >>
<< MT41 (d,2n+p)	**MT42 (d,3n+p) or MT5 (Y87 production)**	MT103 (d,p) >>





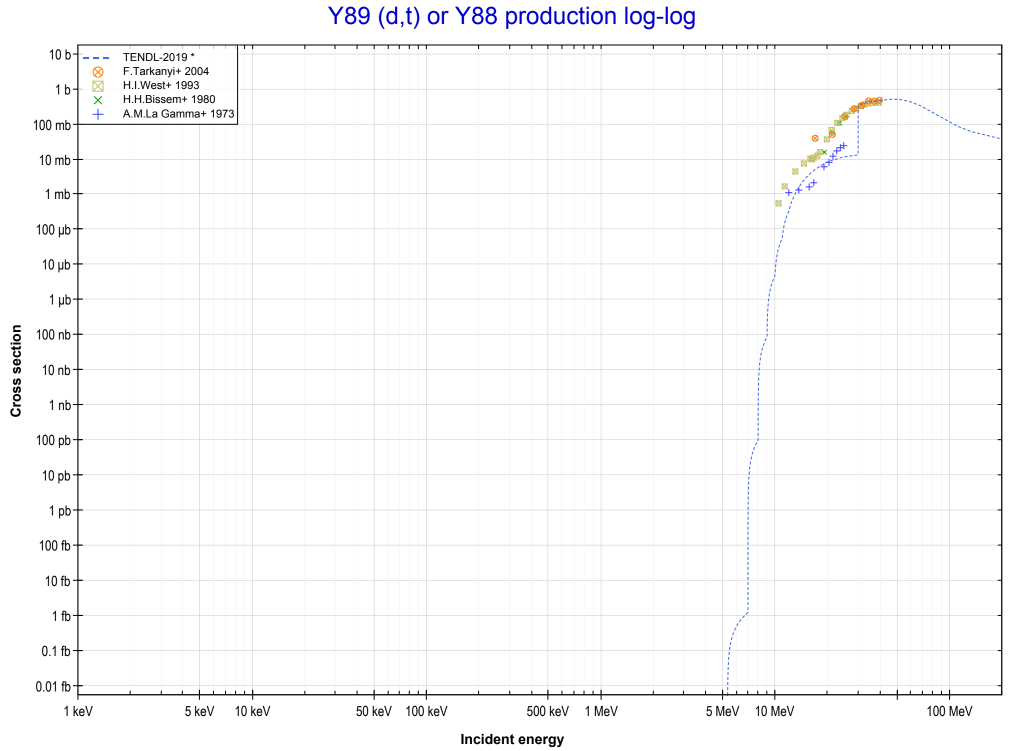
Reaction	Q-Value
Y89(d,n+t)Y87	-14575.41 keV
Y89(d,2n+d)Y87	-20832.63 keV
Y89(d,3n+p)Y87	-23057.20 keV

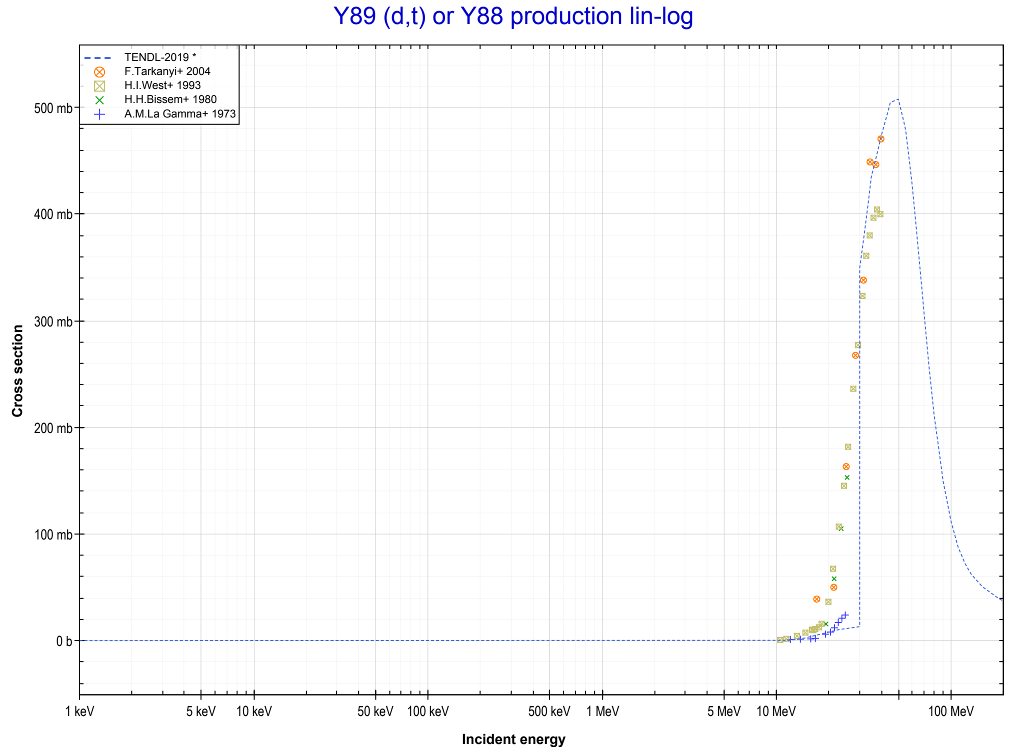




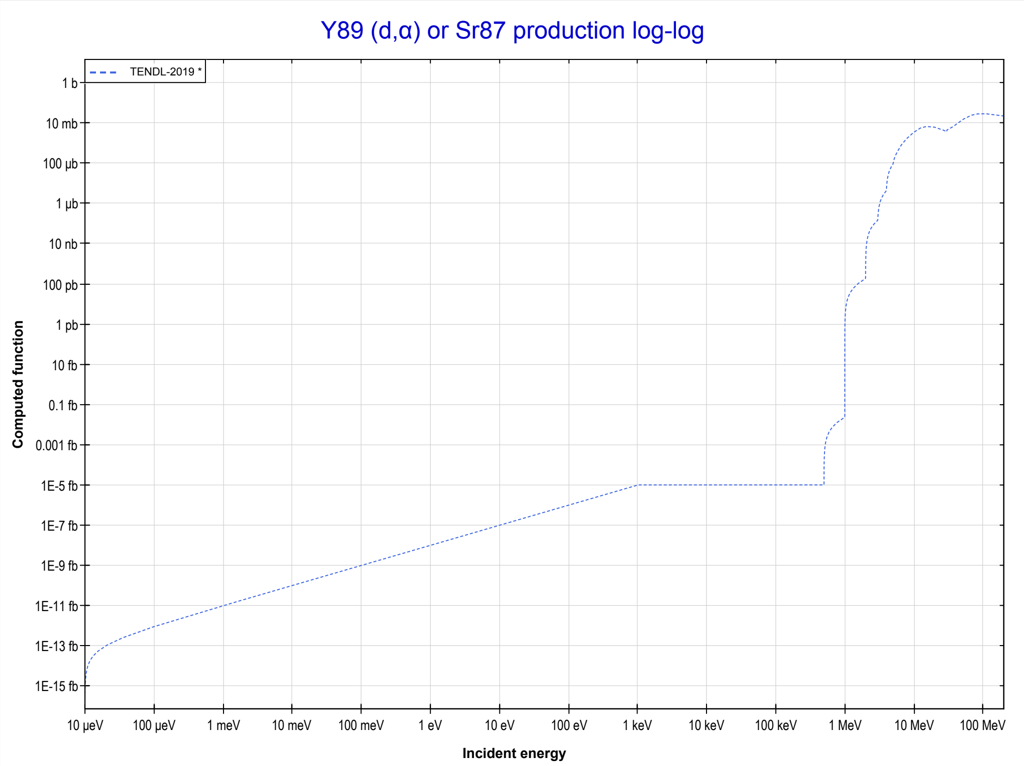
Reaction	Q-Value
Y89(d,p)Y90	4632.45 keV

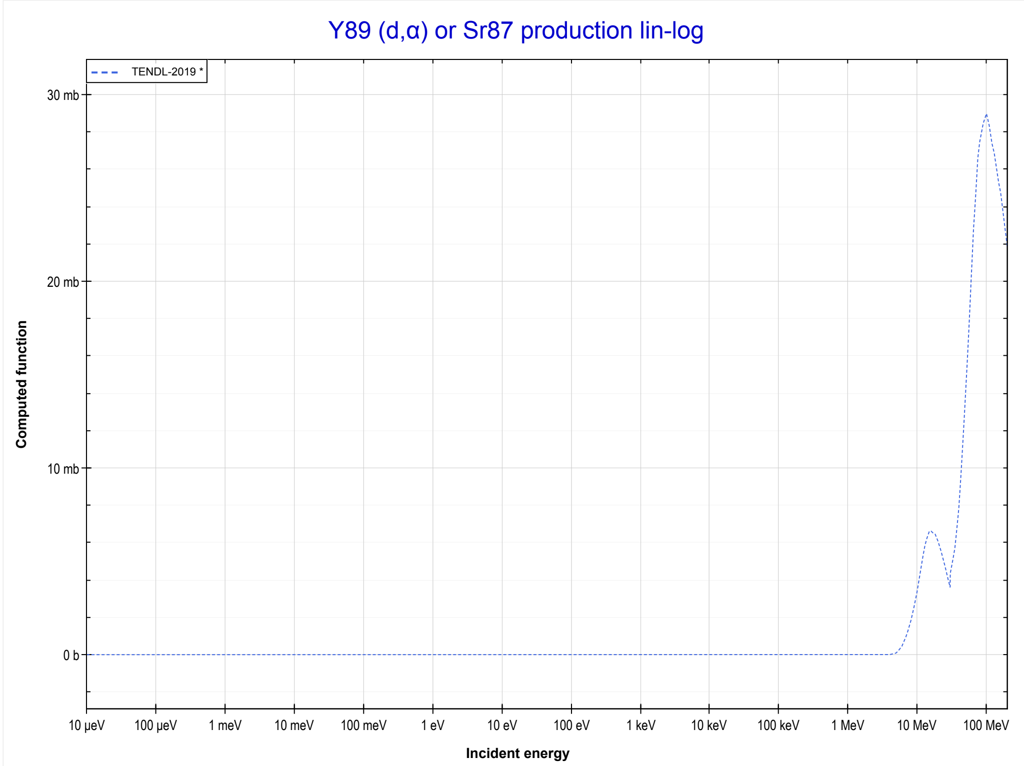
<< 33-As-75	**39-Y-89**	40-Zr-90 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Y88 production)**	MT107 (d,α) >>



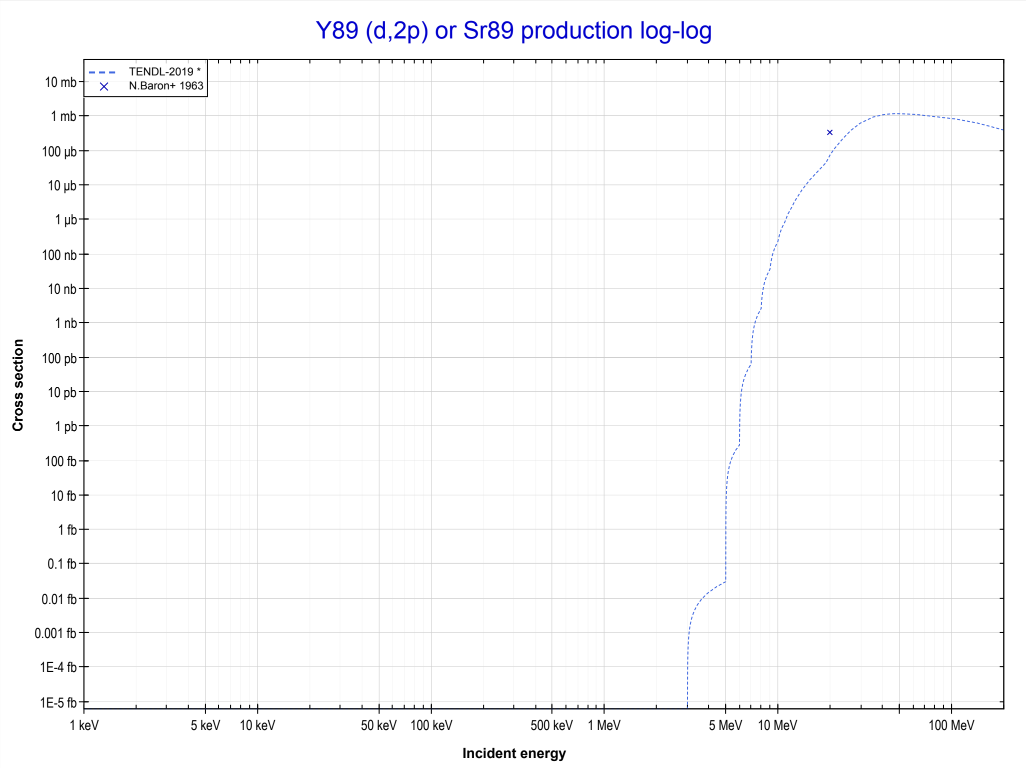


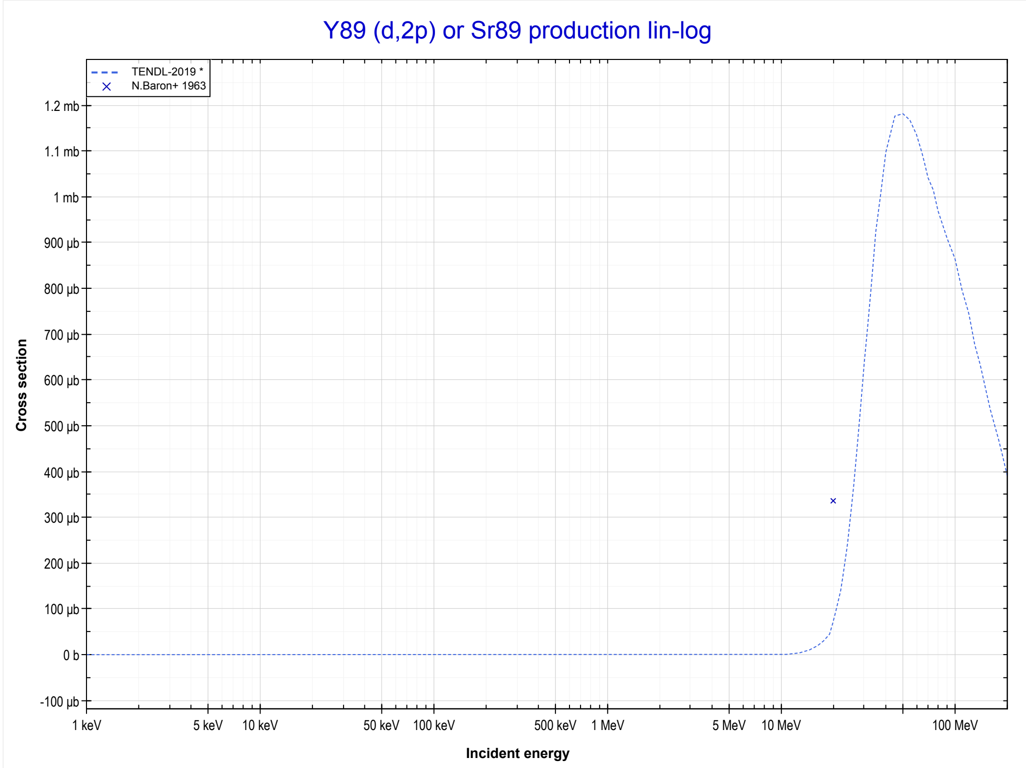
Reaction	Q-Value
Y89(d,t)Y88	-5223.49 keV
Y89(d,n+d)Y88	-11480.72 keV
Y89(d,2n+p)Y88	-13705.28 keV





Reaction	Q-Value
Y89(d,α)Sr87	7882.47 keV
Y89(d,p+t)Sr87	-11931.39 keV
Y89(d,n+He3)Sr87	-12695.15 keV
Y89(d,2d)Sr87	-15964.06 keV
Y89(d,n+p+d)Sr87	-18188.62 keV
Y89(d,2n+2p)Sr87	-20413.19 keV

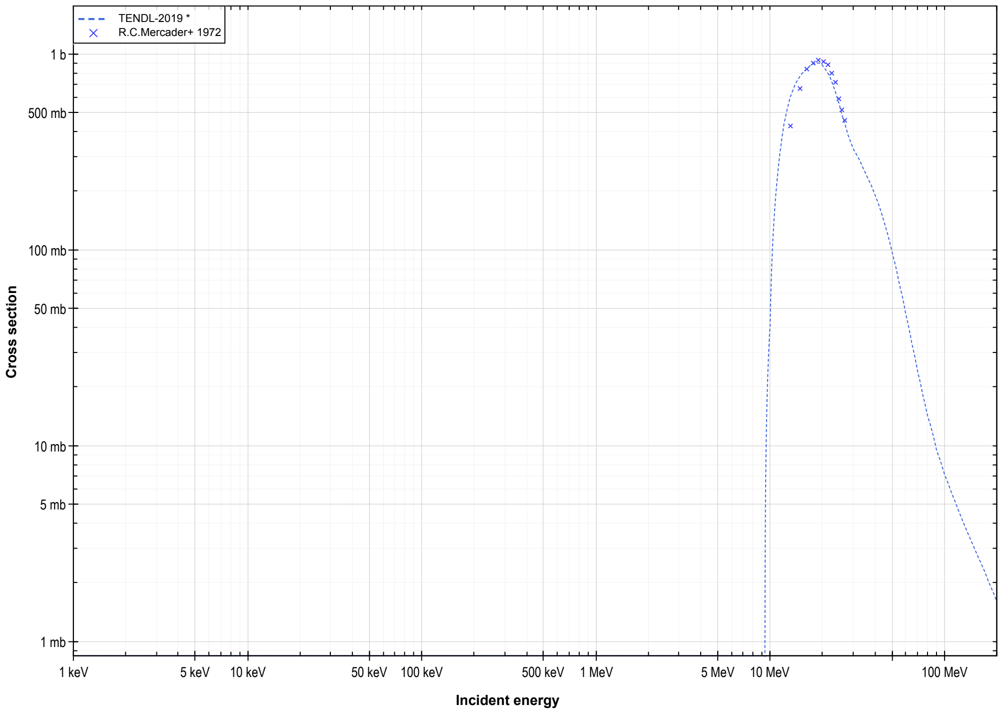




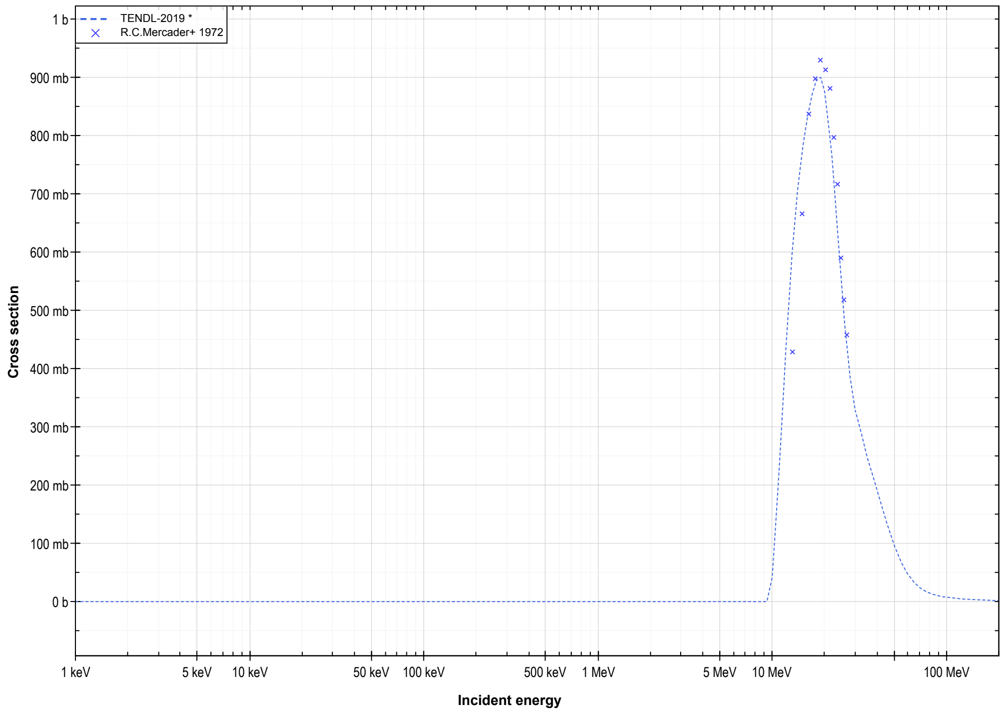
Reaction	Q-Value
Y89(d,2p)Sr89	-2941.60 keV

<< 39-Y-89	**40-Zr-90**	40-Zr-96 >>
<< 39-Y-89 MT111 (d,2p)	**MT16 (d,2n) or MT5 (Nb90 production)**	MT17 (d,3n) >>

Zr90 (d,2n) or Nb90 production log-log



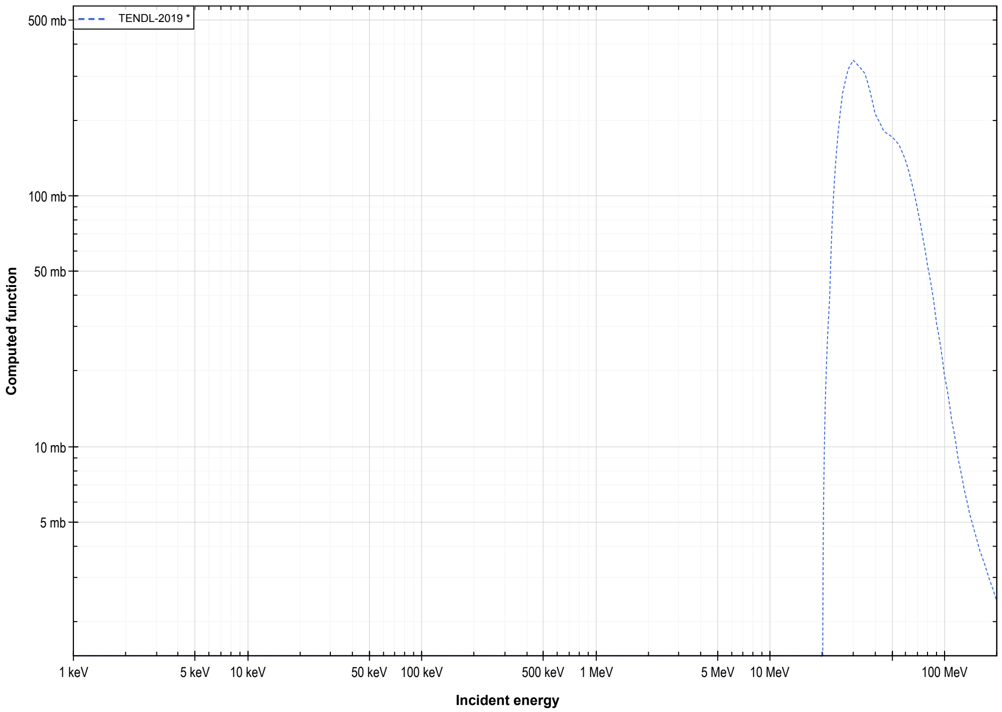
Zr90 (d,2n) or Nb90 production lin-log



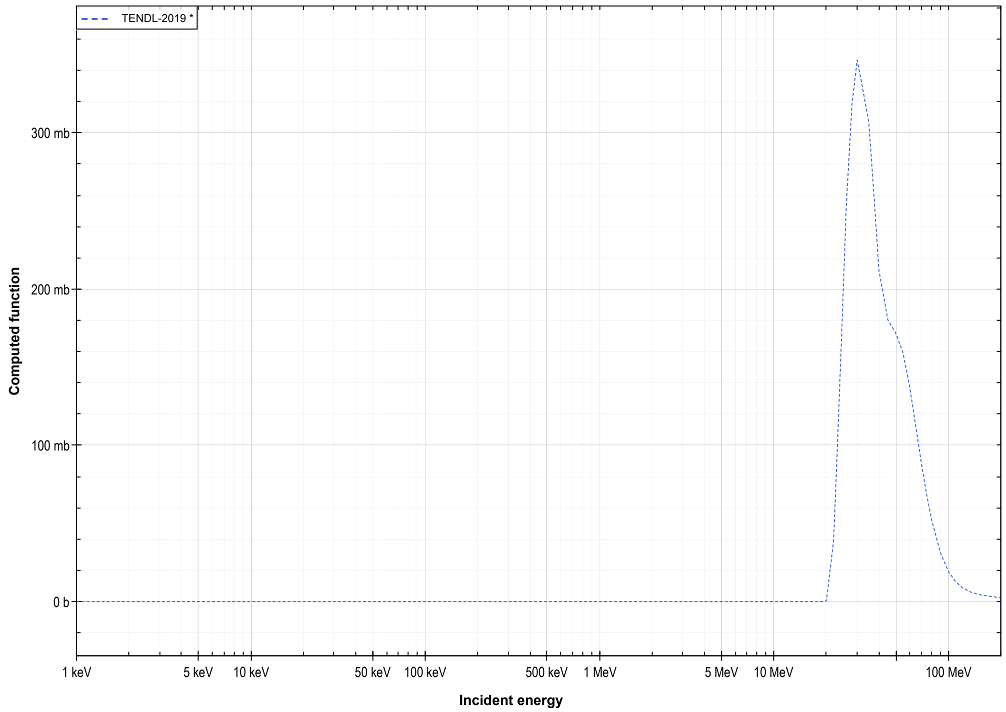
Reaction	Q-Value
Zr90(d,2n)Nb90	-9117.45 keV

<< 39-Y-89	**40-Zr-90**	40-Zr-91 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Nb89 production)**	MT34 (d,n+³He) >>

Zr90 (d,3n) or Nb89 production log-log

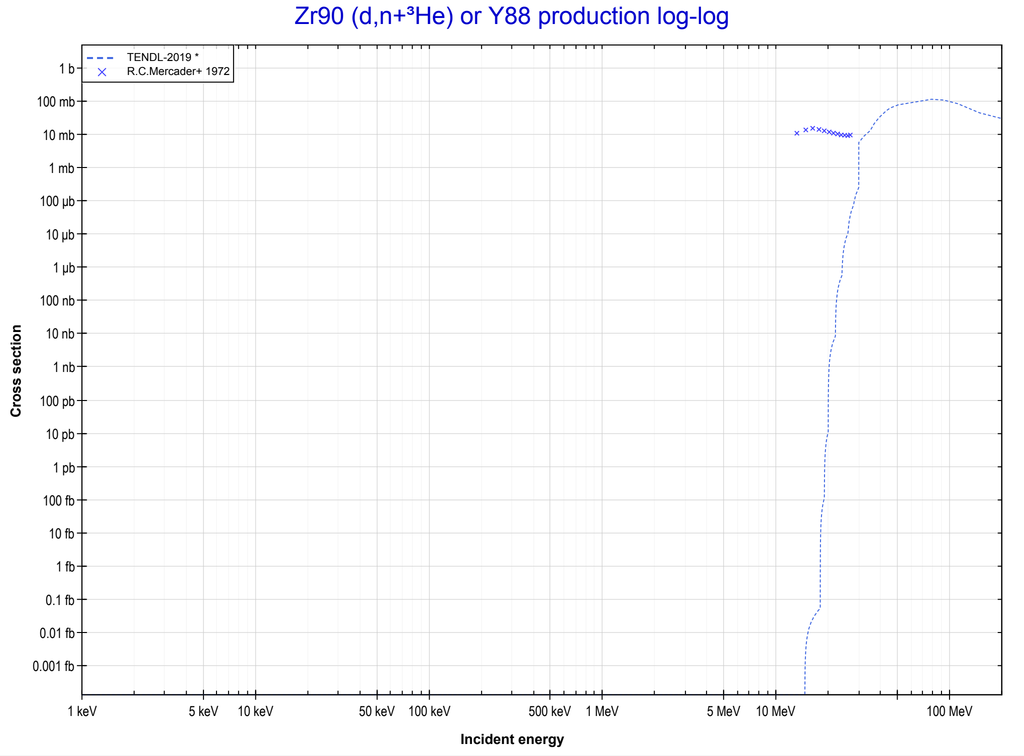


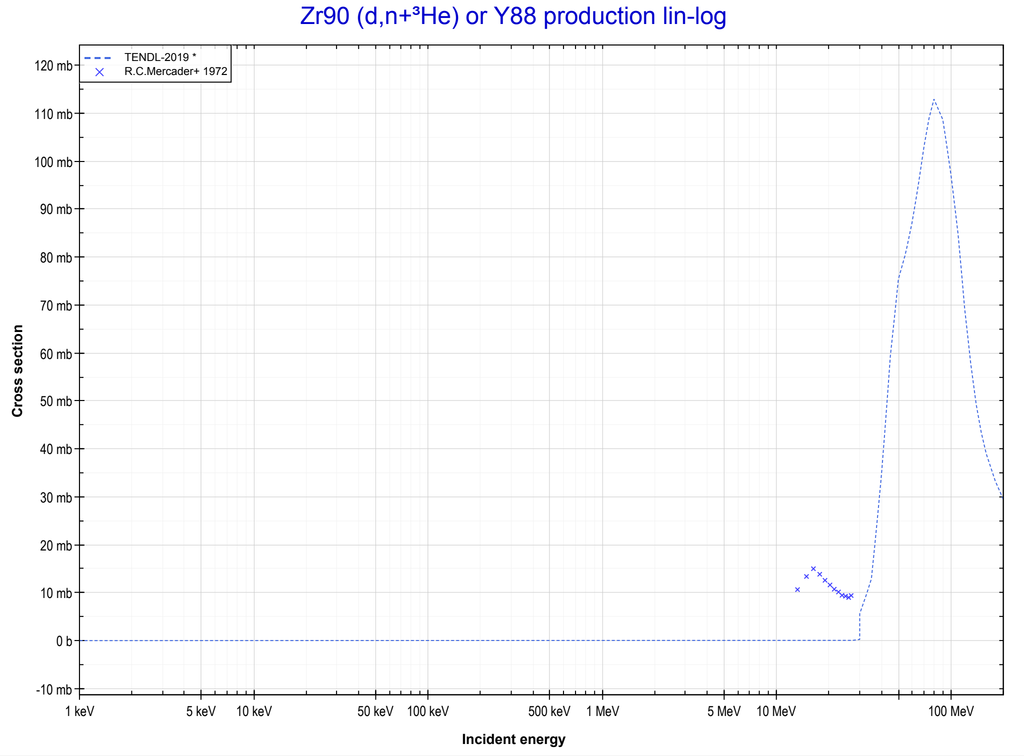
Zr90 (d,3n) or Nb89 production lin-log



Reaction	Q-Value
Zr90(d,3n)Nb89	-19225.77 keV

<< 10-Ne-20	**40-Zr-90**	
<< MT17 (d,3n)	**MT34 (d,n+³He) or MT5 (Y88 production)**	MT105 (d,t) >>

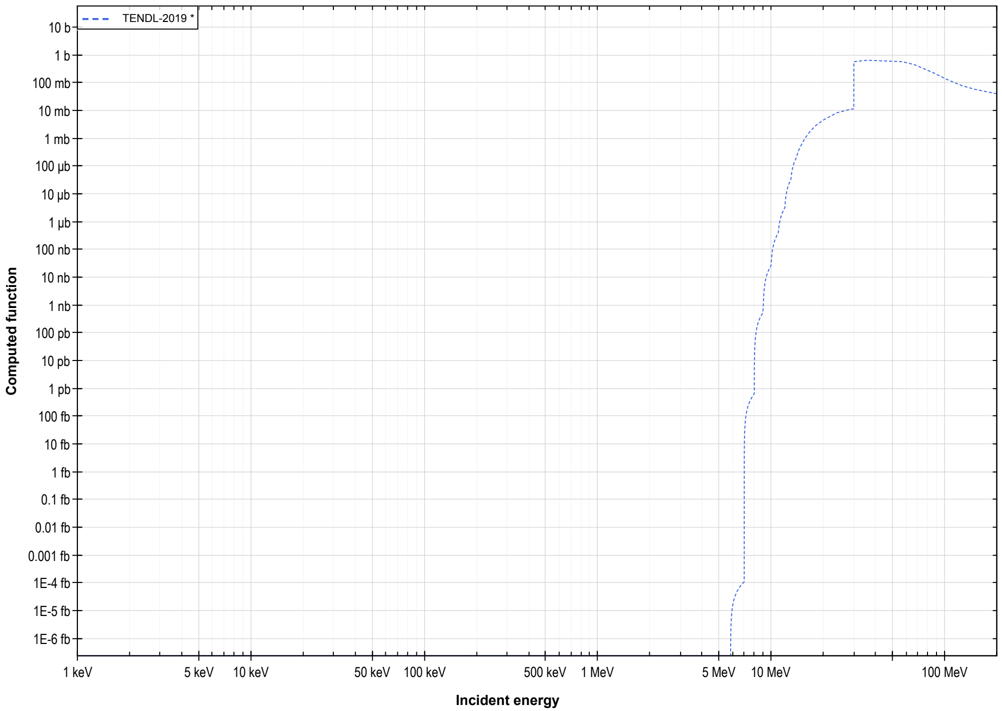




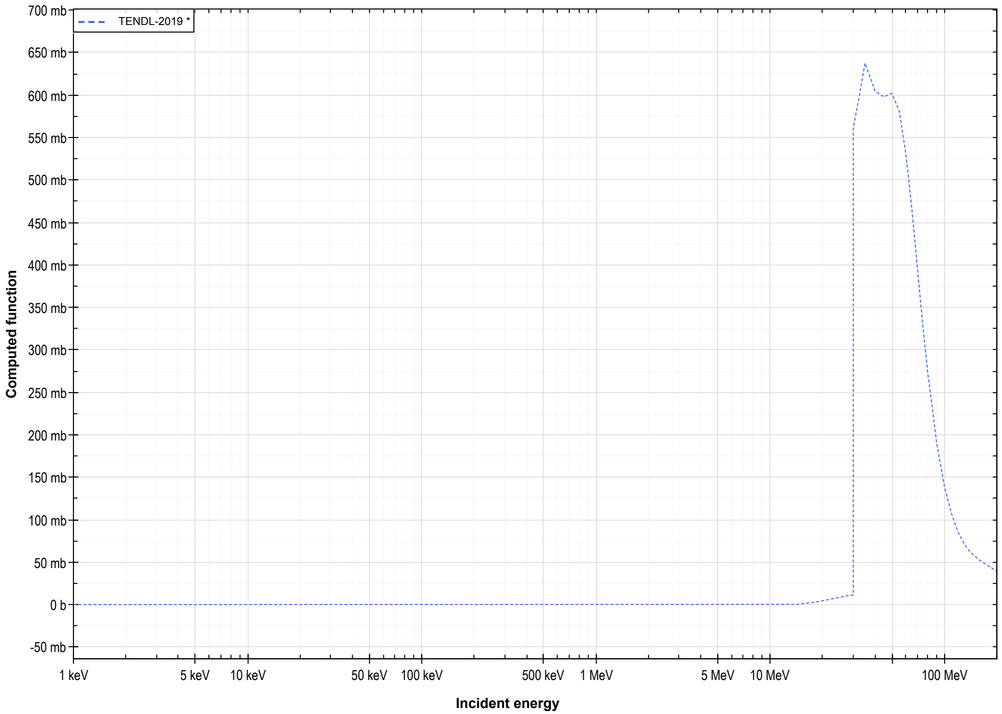
Reaction	Q-Value
Zr90(d,α)Y88	6237.27 keV
Zr90(d,p+t)Y88	-13576.60 keV
Zr90(d,n+He3)Y88	-14340.35 keV
Zr90(d,2d)Y88	-17609.26 keV
Zr90(d,n+p+d)Y88	-19833.83 keV
Zr90(d,2n+2p)Y88	-22058.39 keV

<< 39-Y-89	**40-Zr-90**	45-Rh-103 >>
<< MT34 (d,n+³He)	**MT105 (d,t) or MT5 (Zr89 production)**	MT107 (d,α) >>

Zr90 (d,t) or Zr89 production log-log

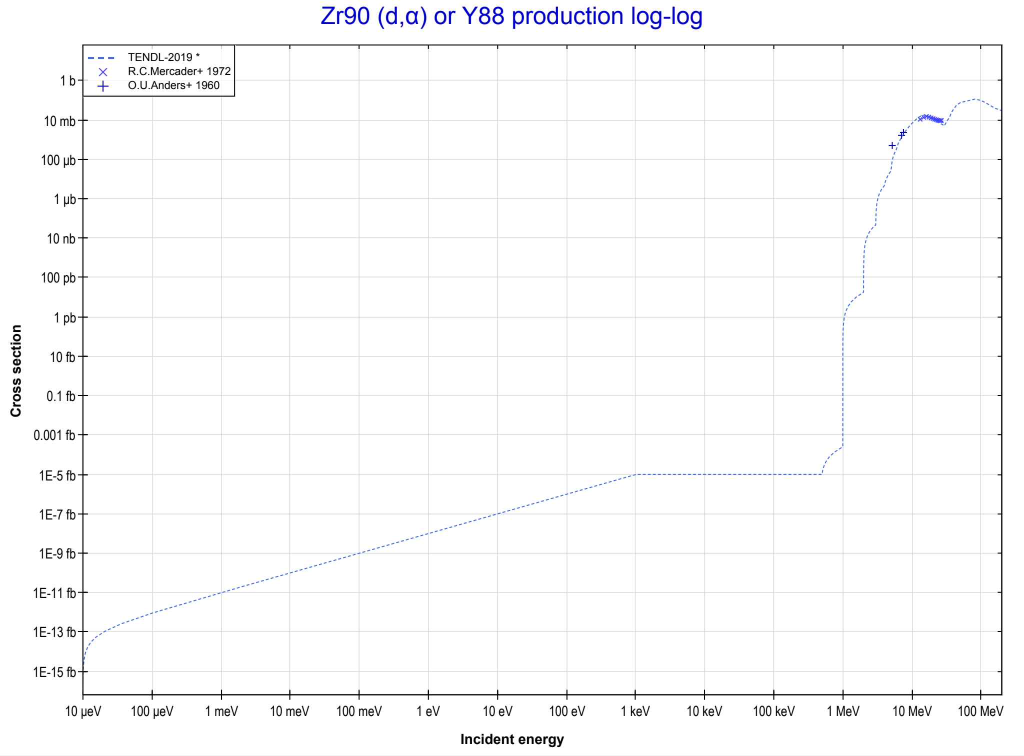


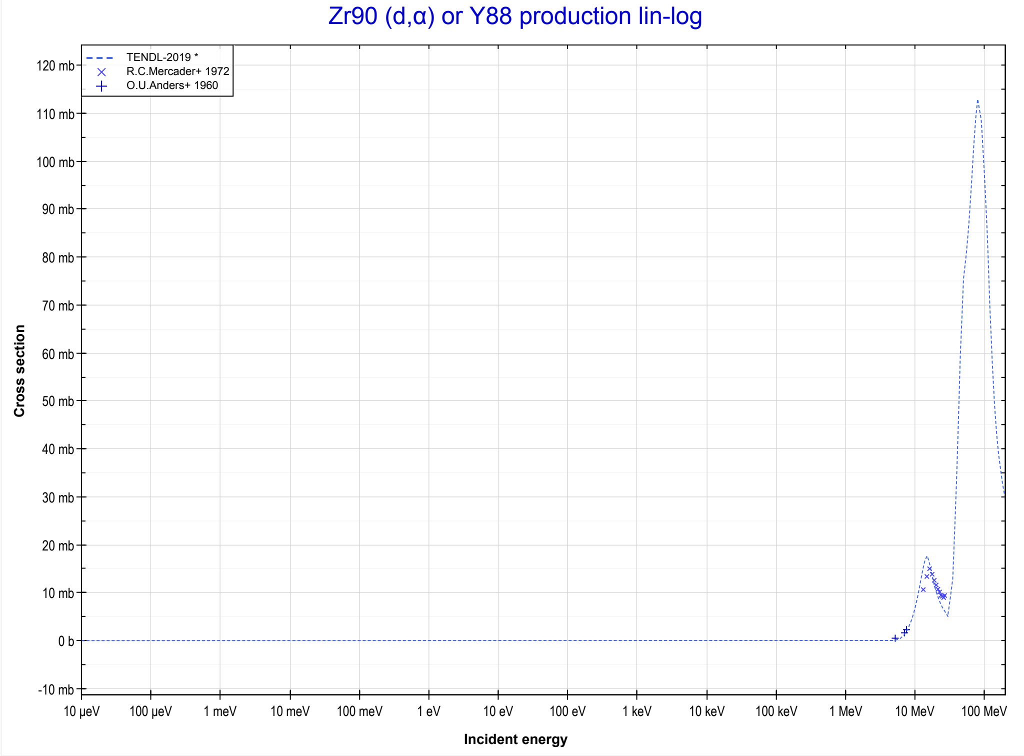
Zr90 (d,t) or Zr89 production lin-log



Reaction	Q-Value
Zr90(d,t)Zr89	-5710.63 keV
Zr90(d,n+d)Zr89	-11967.86 keV
Zr90(d,2n+p)Zr89	-14192.42 keV

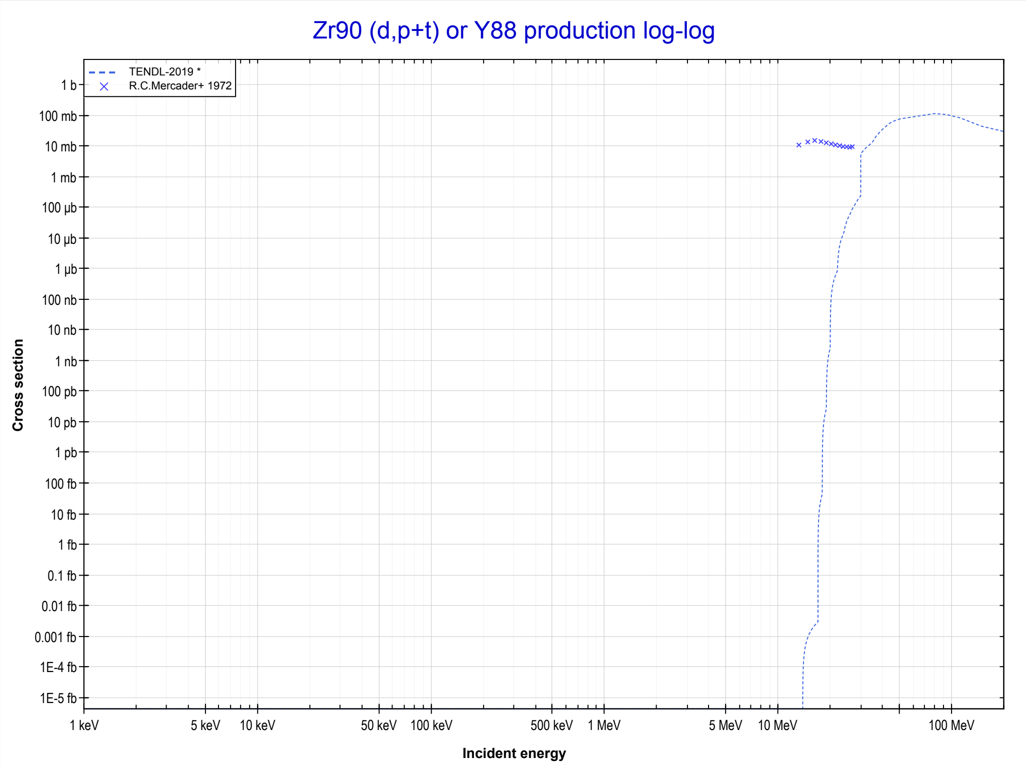
<< 39-Y-89	**40-Zr-90**	40-Zr-92 >>
<< MT105 (d,t)	**MT107 (d,α) or MT5 (Y88 production)**	MT116 (d,p+t) >>

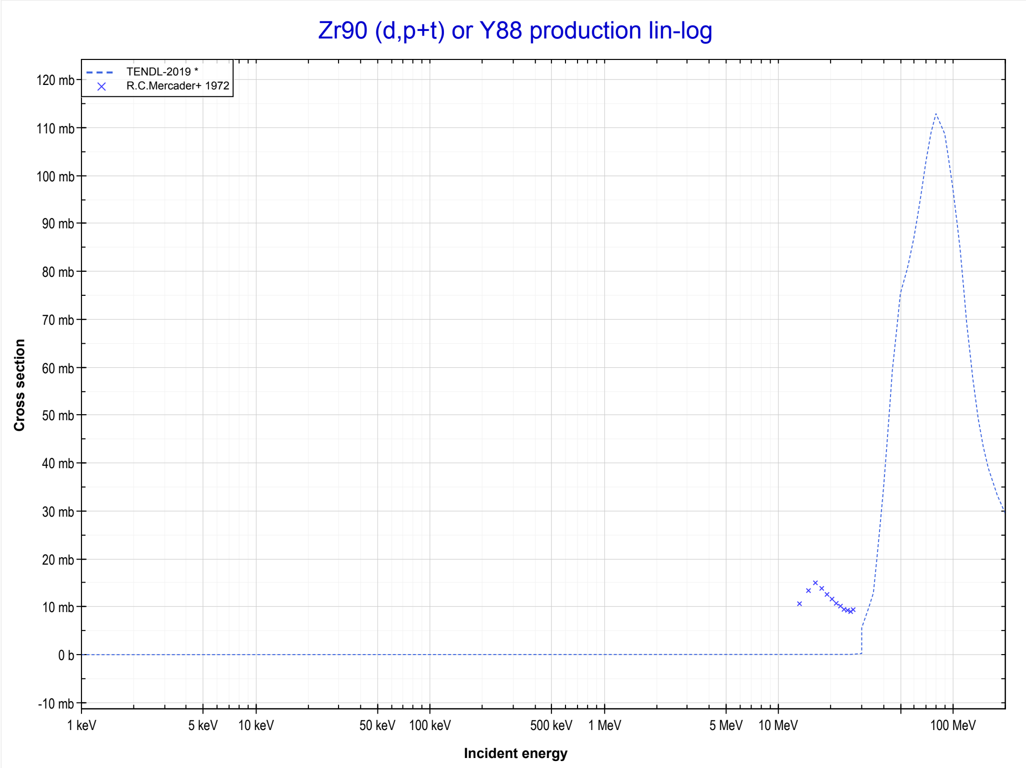




Reaction	Q-Value
Zr90(d,α)Y88	6237.27 keV
Zr90(d,p+t)Y88	-13576.60 keV
Zr90(d,n+He3)Y88	-14340.35 keV
Zr90(d,2d)Y88	-17609.26 keV
Zr90(d,n+p+d)Y88	-19833.83 keV
Zr90(d,2n+2p)Y88	-22058.39 keV

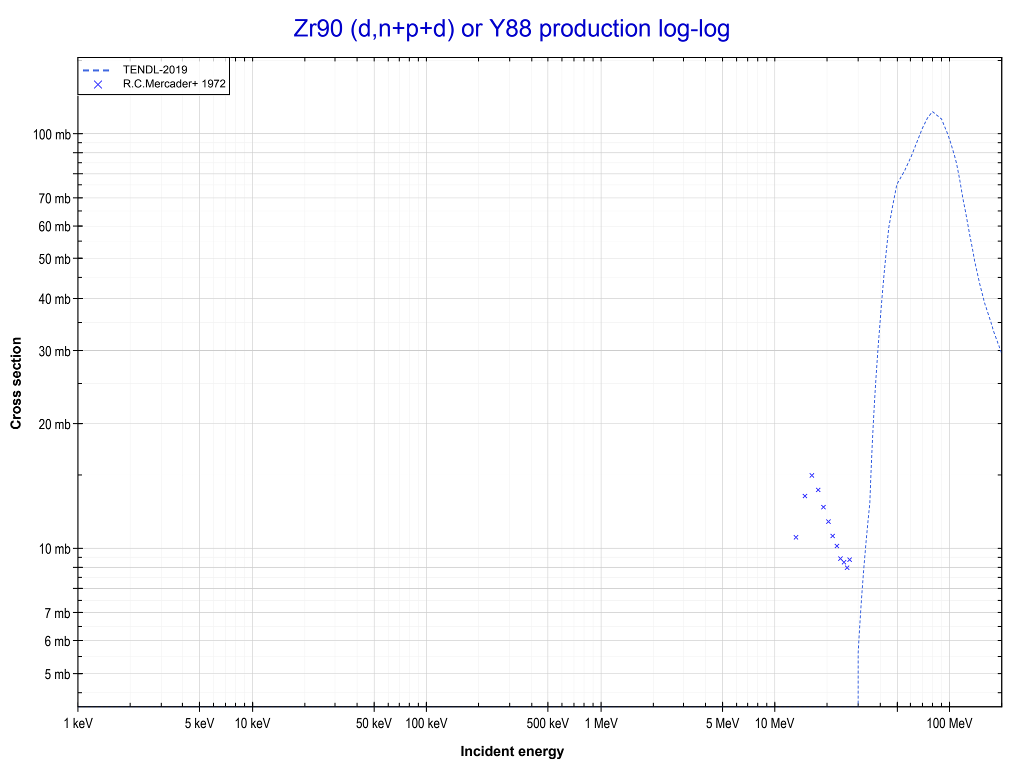
<< 10-Ne-20	**40-Zr-90**	
<< MT107 (d,α)	**MT116 (d,p+t) or MT5 (Y88 production)**	MT183 (d,n+p+d) >>

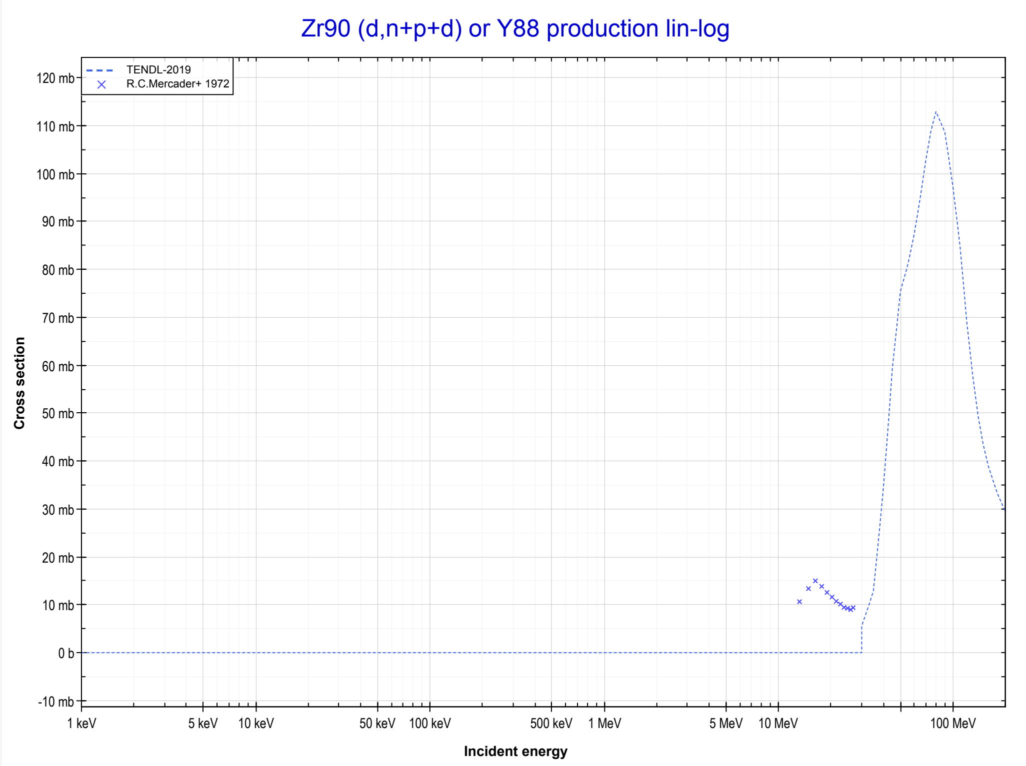




Reaction	Q-Value
Zr90(d,α)Y88	6237.27 keV
Zr90(d,p+t)Y88	-13576.60 keV
Zr90(d,n+He3)Y88	-14340.35 keV
Zr90(d,2d)Y88	-17609.26 keV
Zr90(d,n+p+d)Y88	-19833.83 keV
Zr90(d,2n+2p)Y88	-22058.39 keV

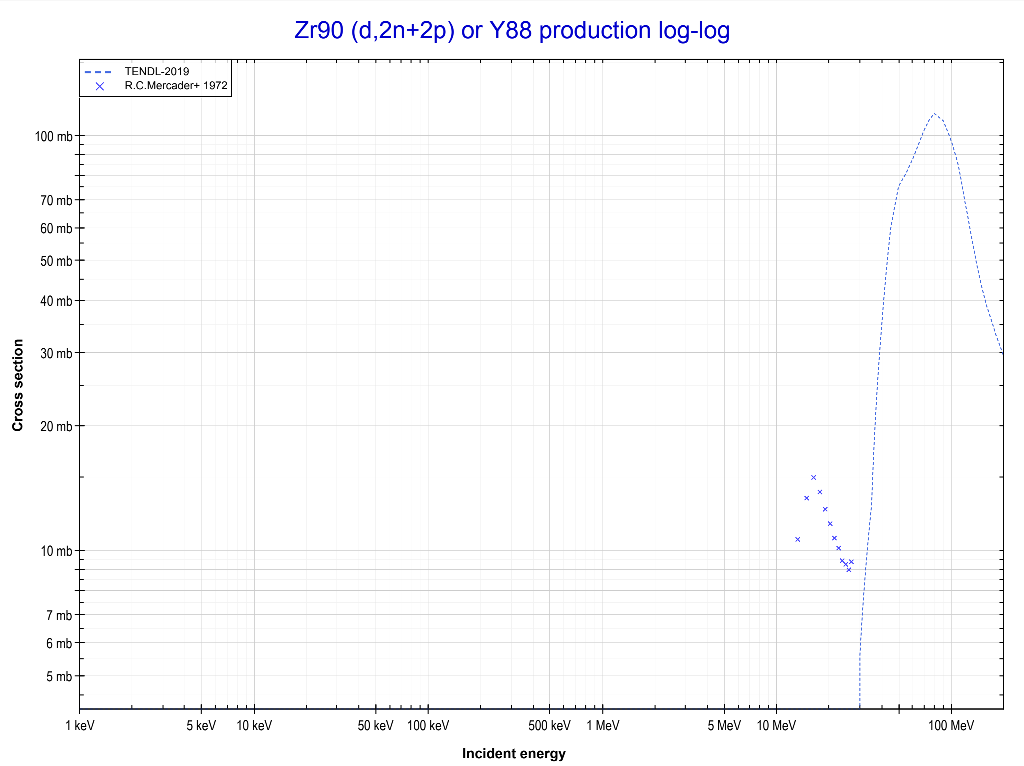
<< 10-Ne-20	**40-Zr-90**	
<< MT116 (d,p+t)	**MT183 (d,n+p+d) or MT5 (Y88 production)**	MT190 (d,2n+2p) >>

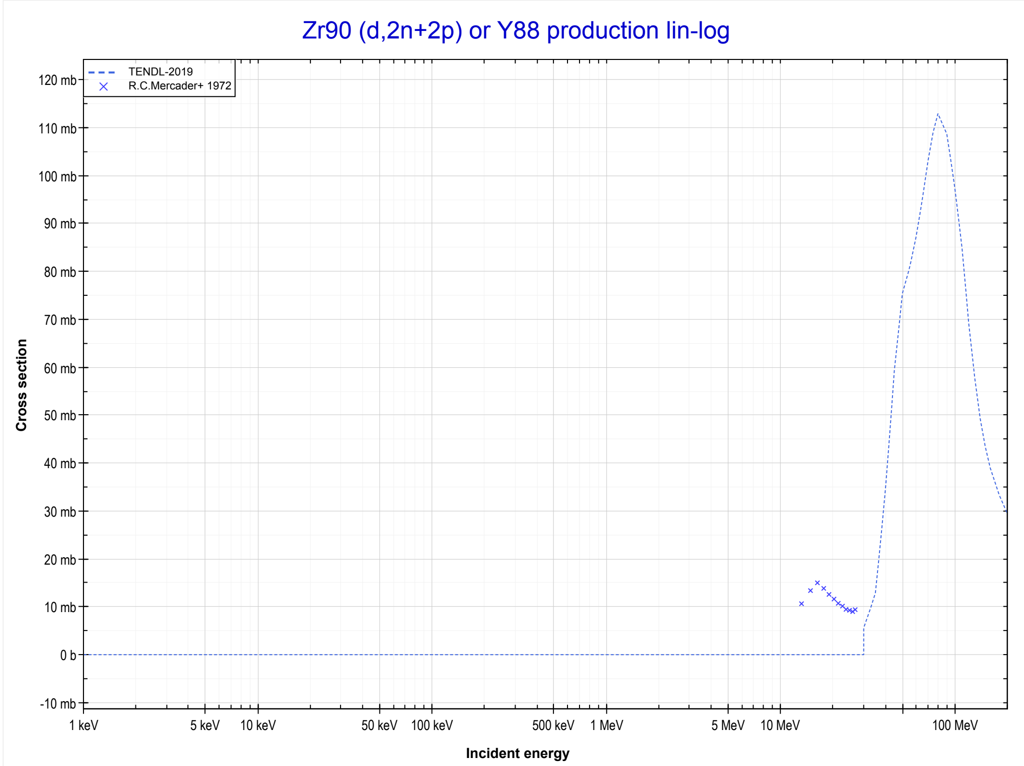




Reaction	Q-Value
Zr90(d,α)Y88	6237.27 keV
Zr90(d,p+t)Y88	-13576.60 keV
Zr90(d,n+He3)Y88	-14340.35 keV
Zr90(d,2d)Y88	-17609.26 keV
Zr90(d,n+p+d)Y88	-19833.83 keV
Zr90(d,2n+2p)Y88	-22058.39 keV

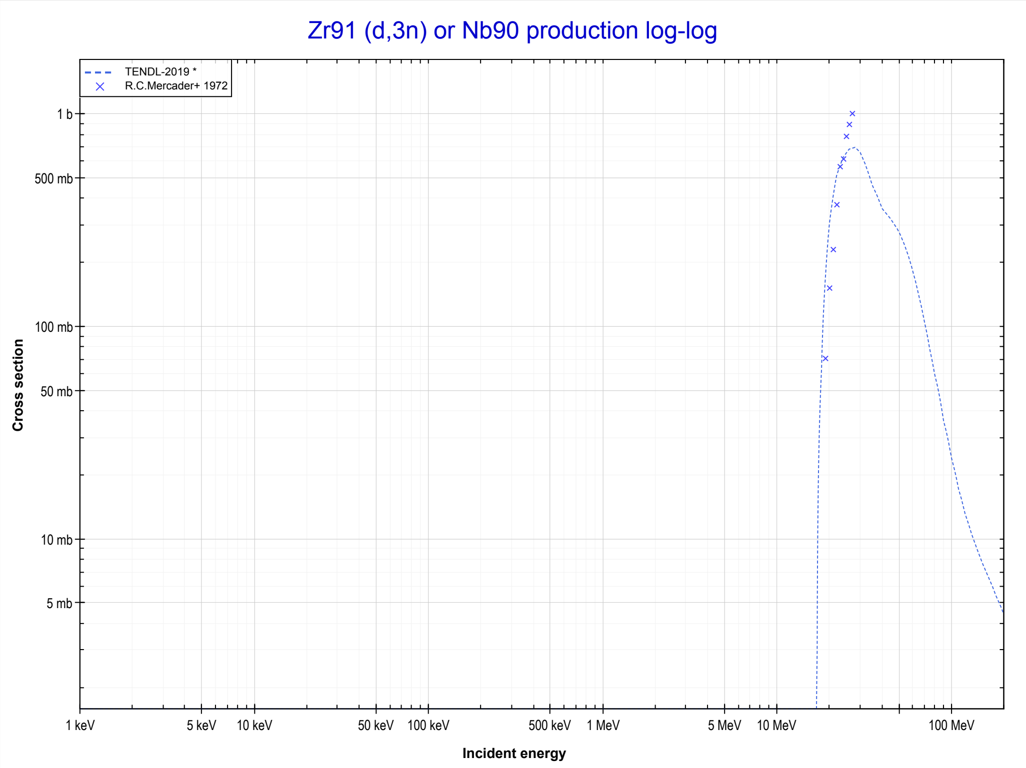
<< 10-Ne-20	**40-Zr-90**	
<< MT183 (d,n+p+d)	**MT190 (d,2n+2p) or MT5 (Y88 production)**	40-Zr-91 MT17 (d,3n) >>

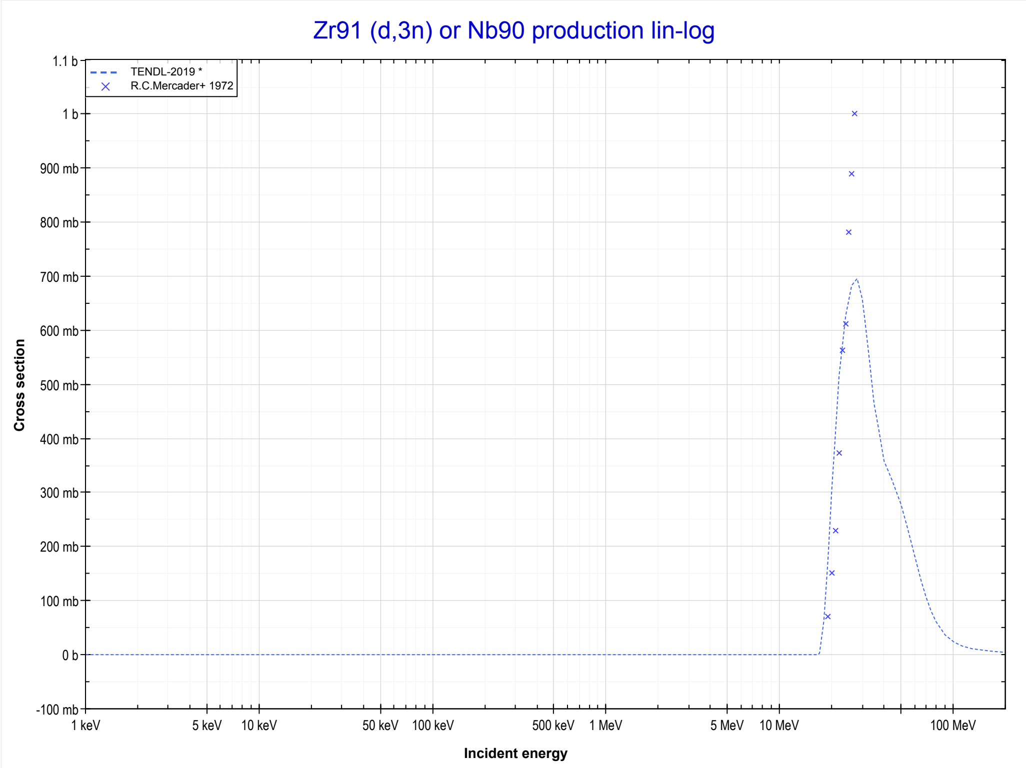




Reaction	Q-Value
Zr90(d,α)Y88	6237.27 keV
Zr90(d,p+t)Y88	-13576.60 keV
Zr90(d,n+He3)Y88	-14340.35 keV
Zr90(d,2d)Y88	-17609.26 keV
Zr90(d,n+p+d)Y88	-19833.83 keV
Zr90(d,2n+2p)Y88	-22058.39 keV

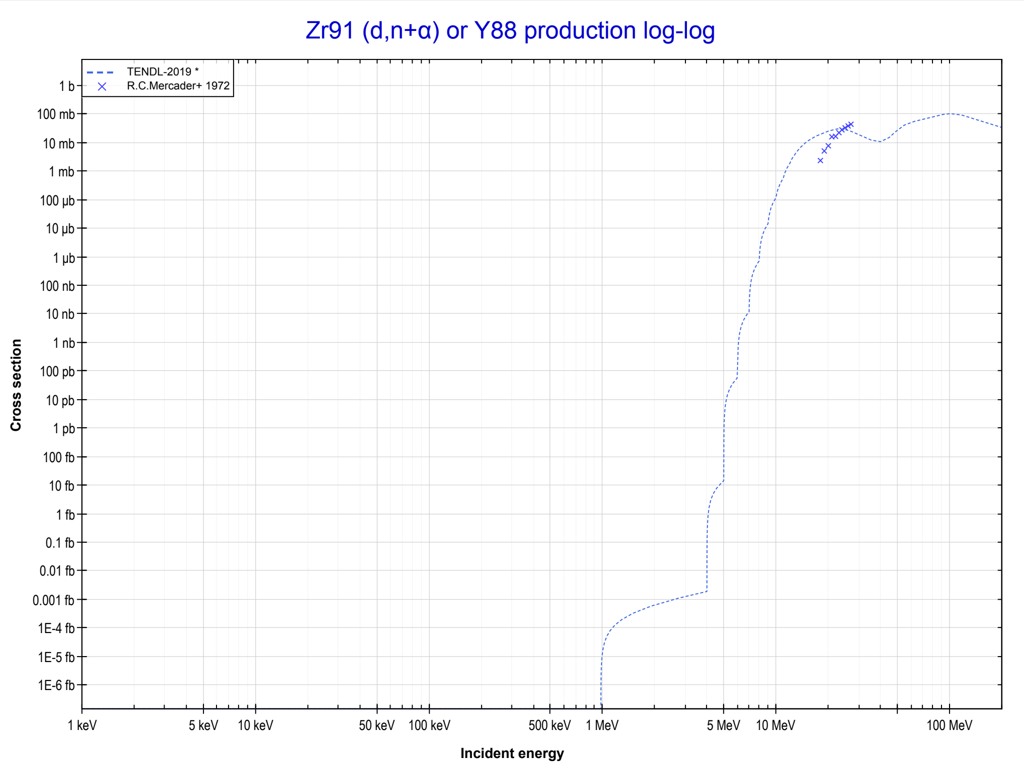
<< 40-Zr-90	**40-Zr-91**	42-Mo-100 >>
<< 40-Zr-90 MT190 (d,2n+2p)	**MT17 (d,3n) or MT5 (Nb90 production)**	MT22 (d,n+α) >>

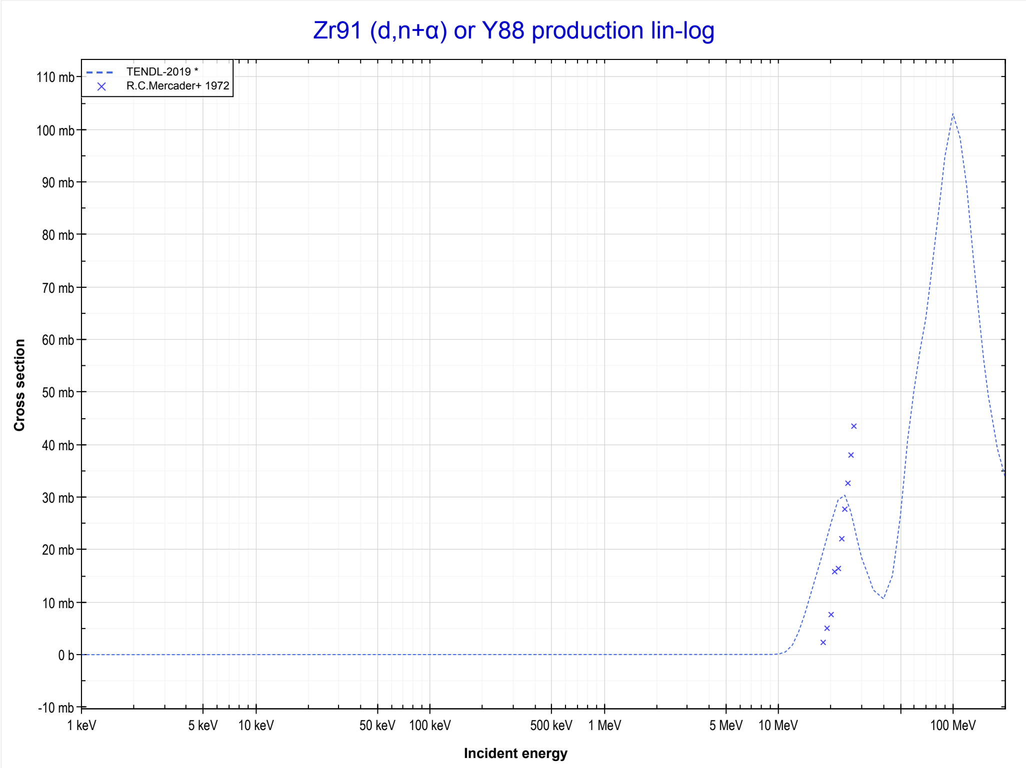




Reaction	Q-Value
Zr91(d,3n)Nb90	-16311.80 keV

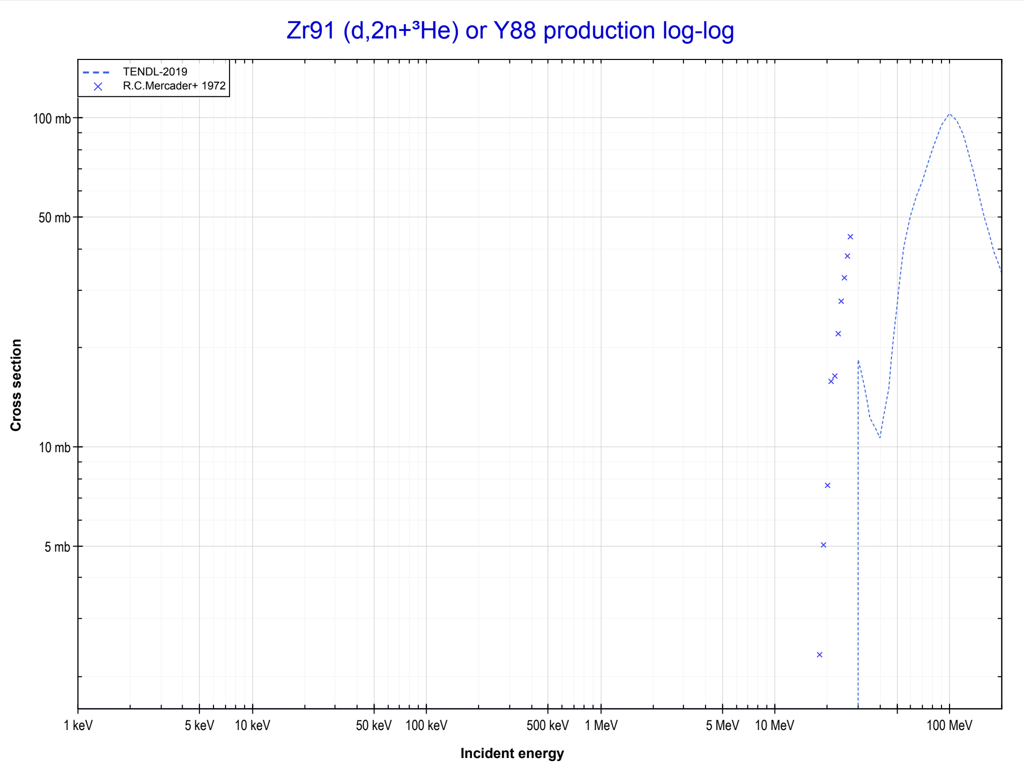
<< 36-Kr-78	**40-Zr-91**	48-Cd-114 >>
<< MT17 (d,3n)	**MT22 (d,n+α) or MT5 (Y88 production)**	MT176 (d,2n+^{3}He) >>

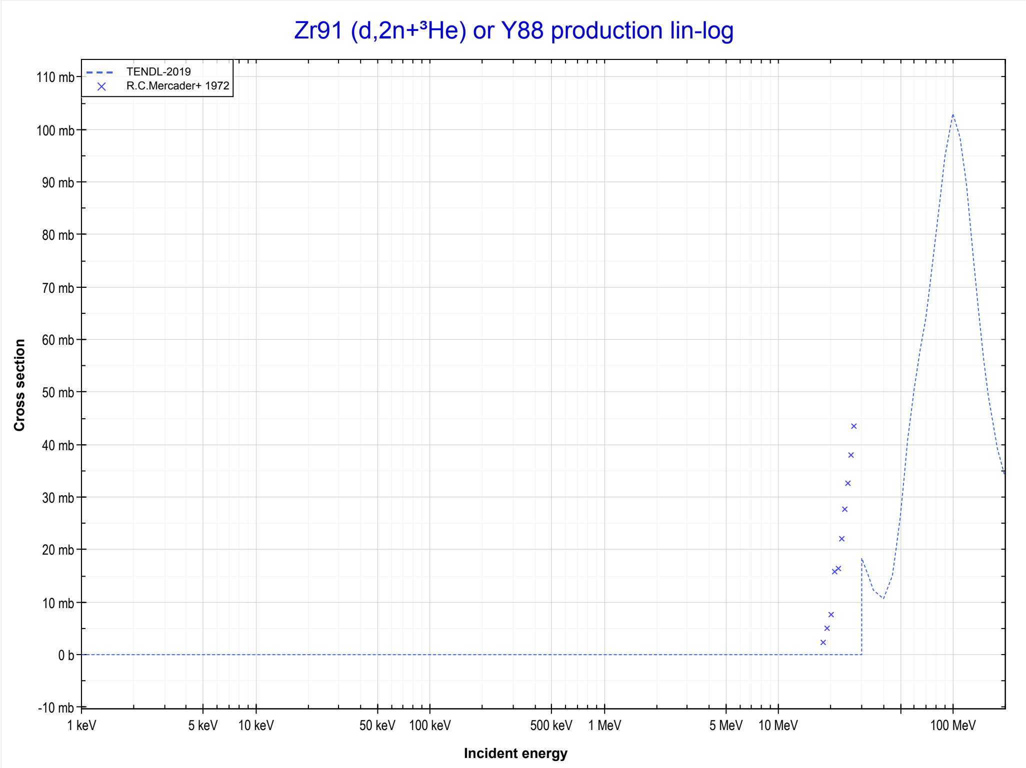




Reaction	Q-Value
Zr91(d,n+α)Y88	-957.08 keV
Zr91(d,d+t)Y88	-18546.38 keV
Zr91(d,n+p+t)Y88	-20770.95 keV
Zr91(d,2n+He3)Y88	-21534.70 keV
Zr91(d,n+2d)Y88	-24803.61 keV
Zr91(d,2n+p+d)Y88	-27028.17 keV
Zr91(d,3n+2p)Y88	-29252.74 keV

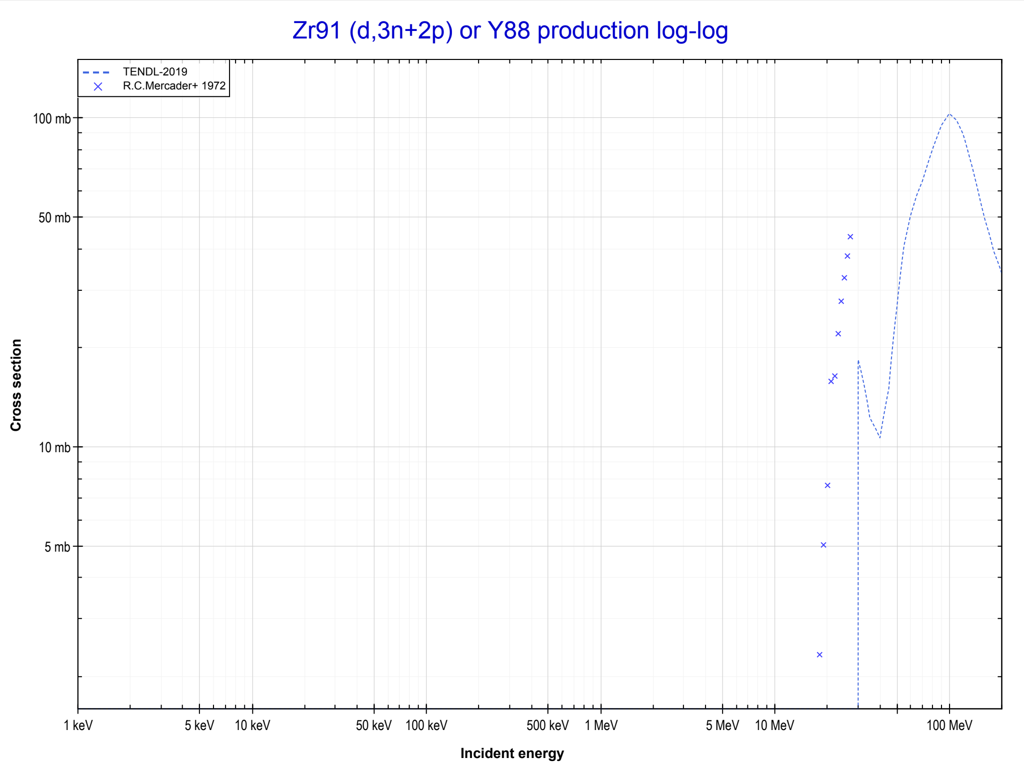
<< 30-Zn-70	**40-Zr-91**	92-U-233 >>
<< MT22 (d,n+α)	**MT176 (d,2n+³He) or MT5 (Y88 production)**	MT179 (d,3n+2p) >>

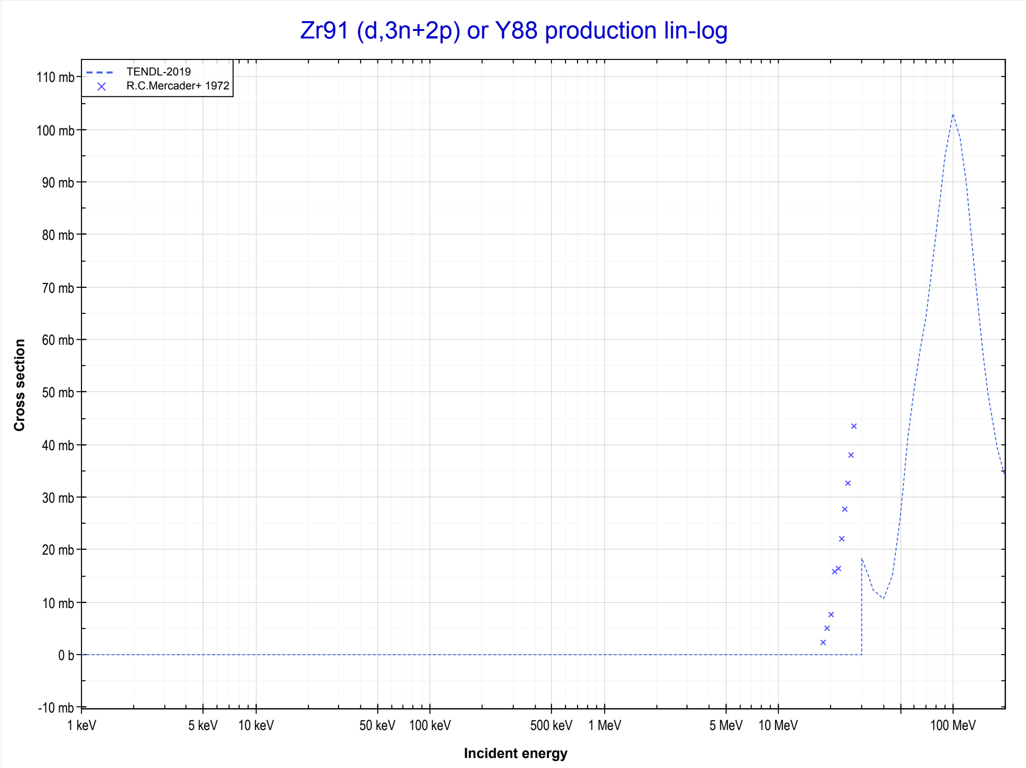




Reaction	Q-Value
Zr91(d,n+α)Y88	-957.08 keV
Zr91(d,d+t)Y88	-18546.38 keV
Zr91(d,n+p+t)Y88	-20770.95 keV
Zr91(d,2n+He3)Y88	-21534.70 keV
Zr91(d,n+2d)Y88	-24803.61 keV
Zr91(d,2n+p+d)Y88	-27028.17 keV
Zr91(d,3n+2p)Y88	-29252.74 keV

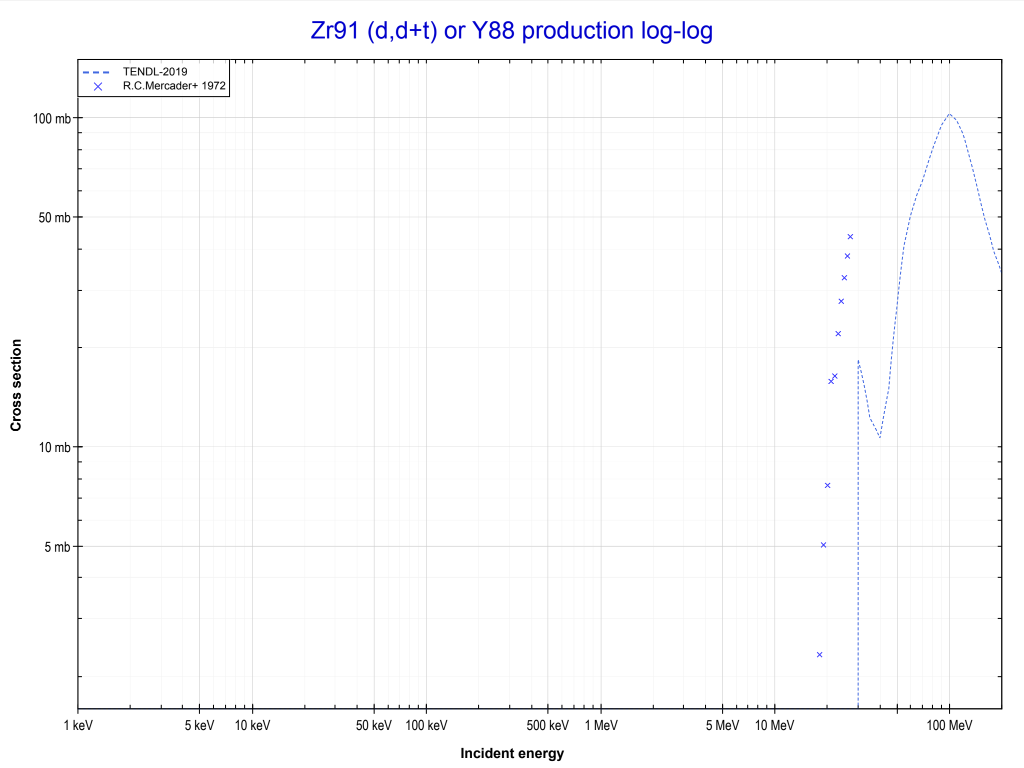
<< 30-Zn-70	**40-Zr-91**	92-U-233 >>
<< MT176 (d,2n+³He)	**MT179 (d,3n+2p) or MT5 (Y88 production)**	MT182 (d,d+t) >>

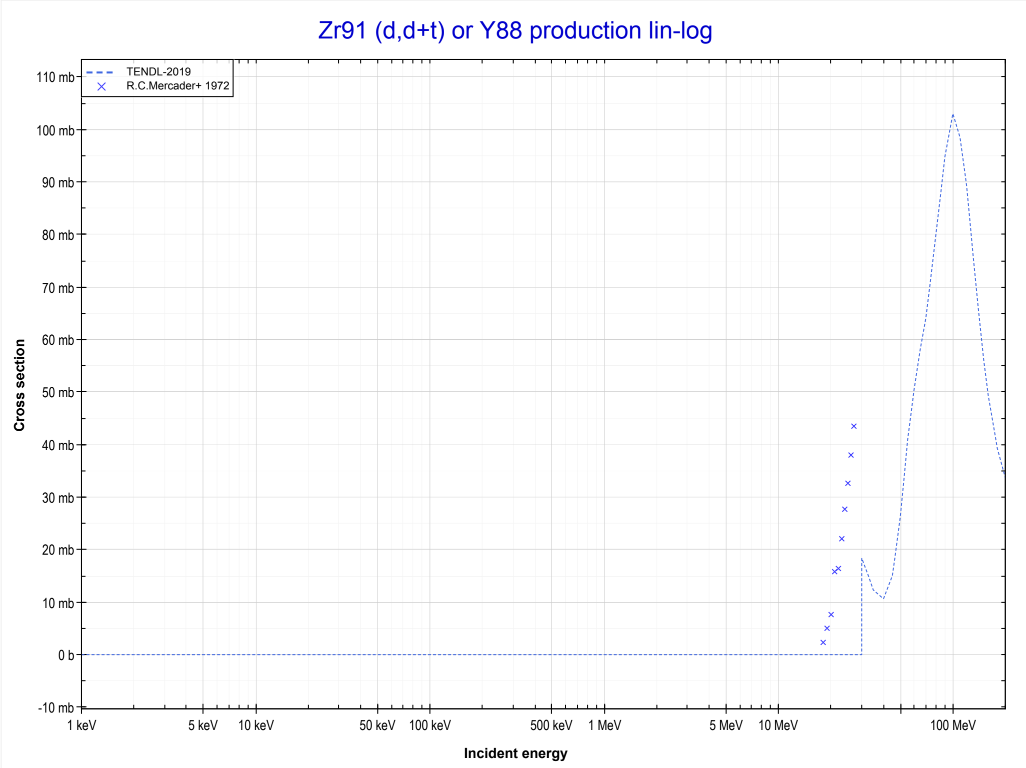




Reaction	Q-Value
Zr91(d,n+α)Y88	-957.08 keV
Zr91(d,d+t)Y88	-18546.38 keV
Zr91(d,n+p+t)Y88	-20770.95 keV
Zr91(d,2n+He3)Y88	-21534.70 keV
Zr91(d,n+2d)Y88	-24803.61 keV
Zr91(d,2n+p+d)Y88	-27028.17 keV
Zr91(d,3n+2p)Y88	-29252.74 keV

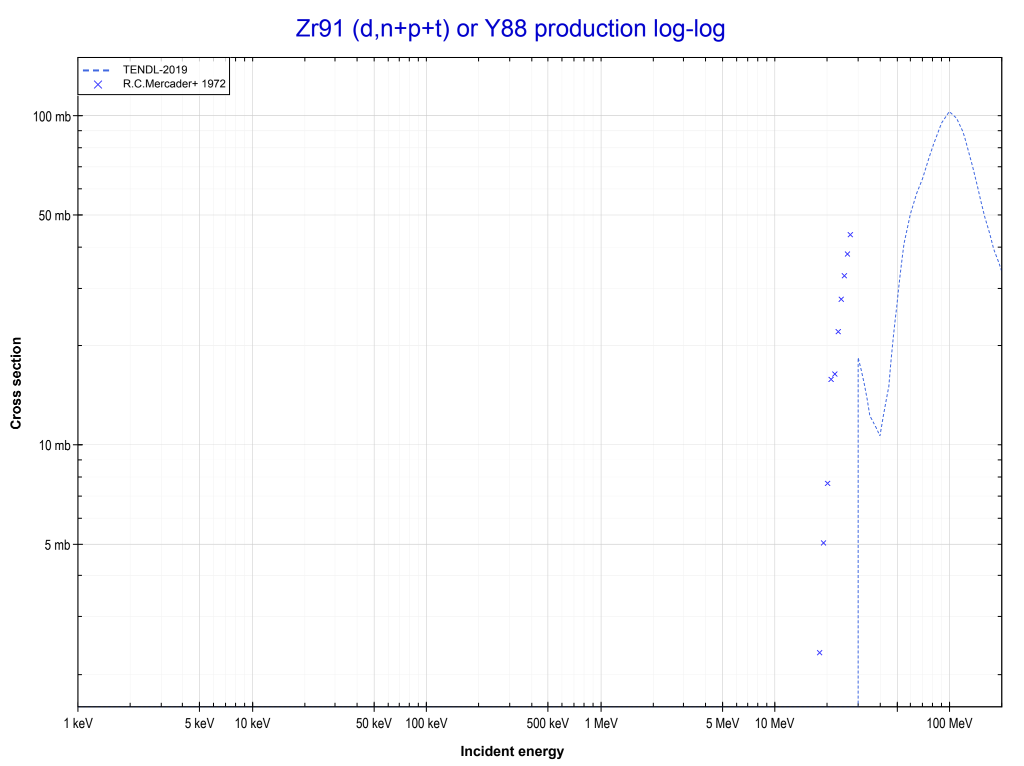
<< 30-Zn-70	**40-Zr-91**	92-U-233 >>
<< MT179 (d,3n+2p)	**MT182 (d,d+t) or MT5 (Y88 production)**	MT184 (d,n+p+t) >>

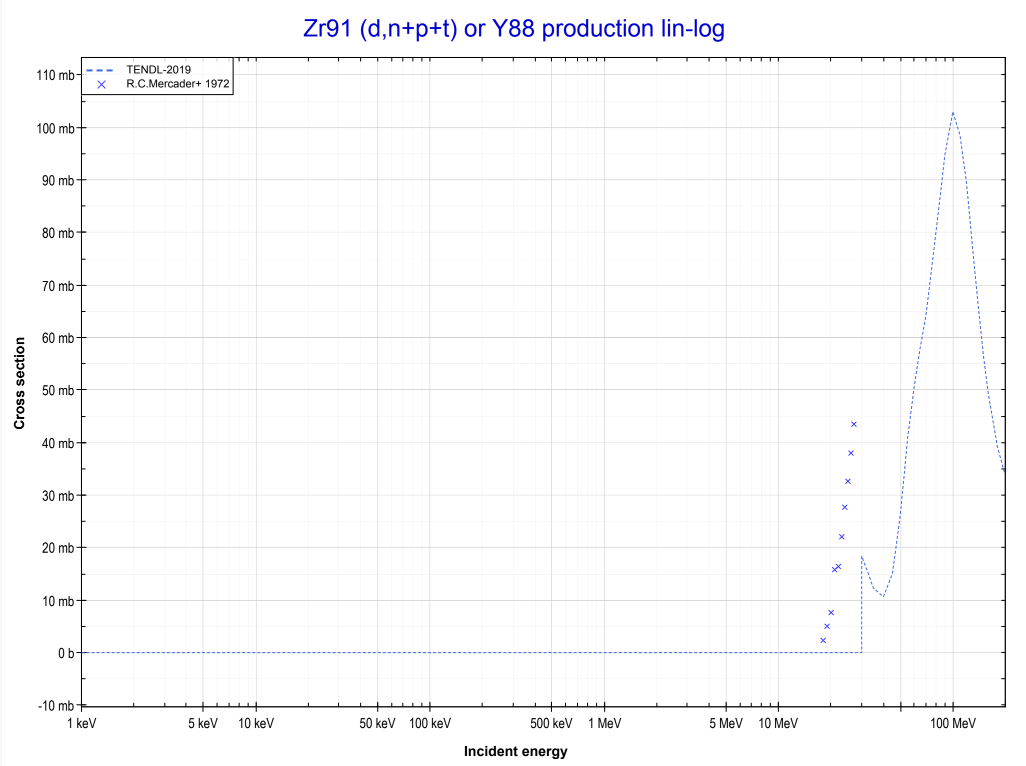




Reaction	Q-Value
Zr91(d,n+α)Y88	-957.08 keV
Zr91(d,d+t)Y88	-18546.38 keV
Zr91(d,n+p+t)Y88	-20770.95 keV
Zr91(d,2n+He3)Y88	-21534.70 keV
Zr91(d,n+2d)Y88	-24803.61 keV
Zr91(d,2n+p+d)Y88	-27028.17 keV
Zr91(d,3n+2p)Y88	-29252.74 keV

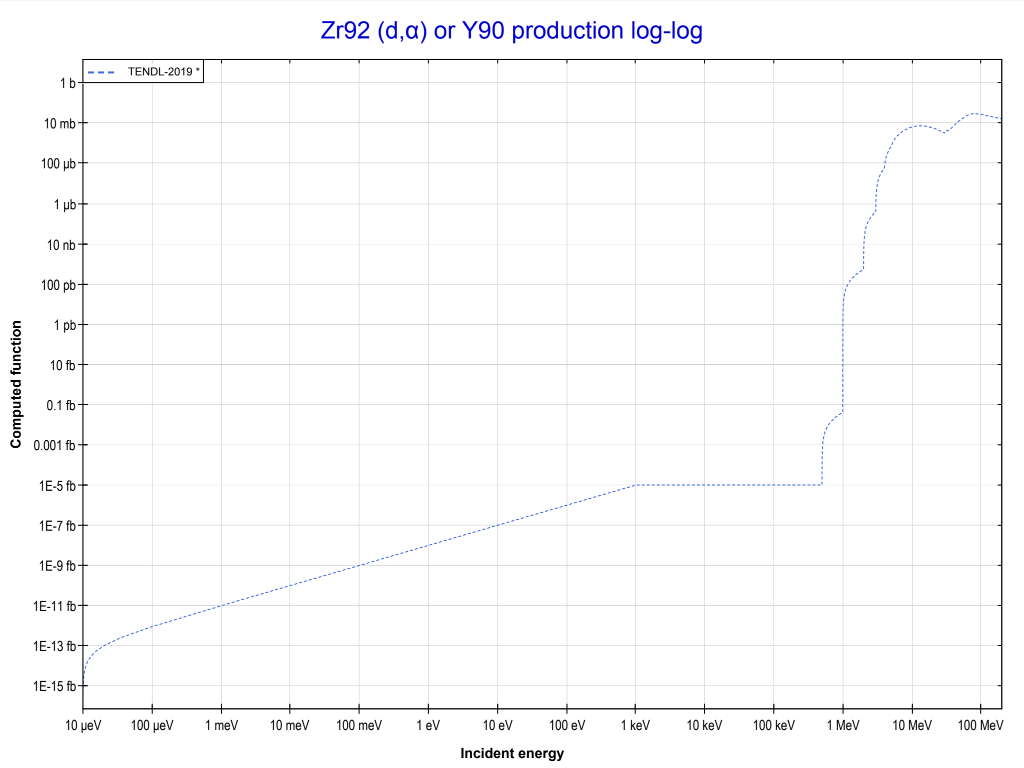
<< 30-Zn-70	**40-Zr-91**	92-U-233 >>
<< MT182 (d,d+t)	**MT184 (d,n+p+t) or MT5 (Y88 production)**	40-Zr-92 MT107 (d,α) >>

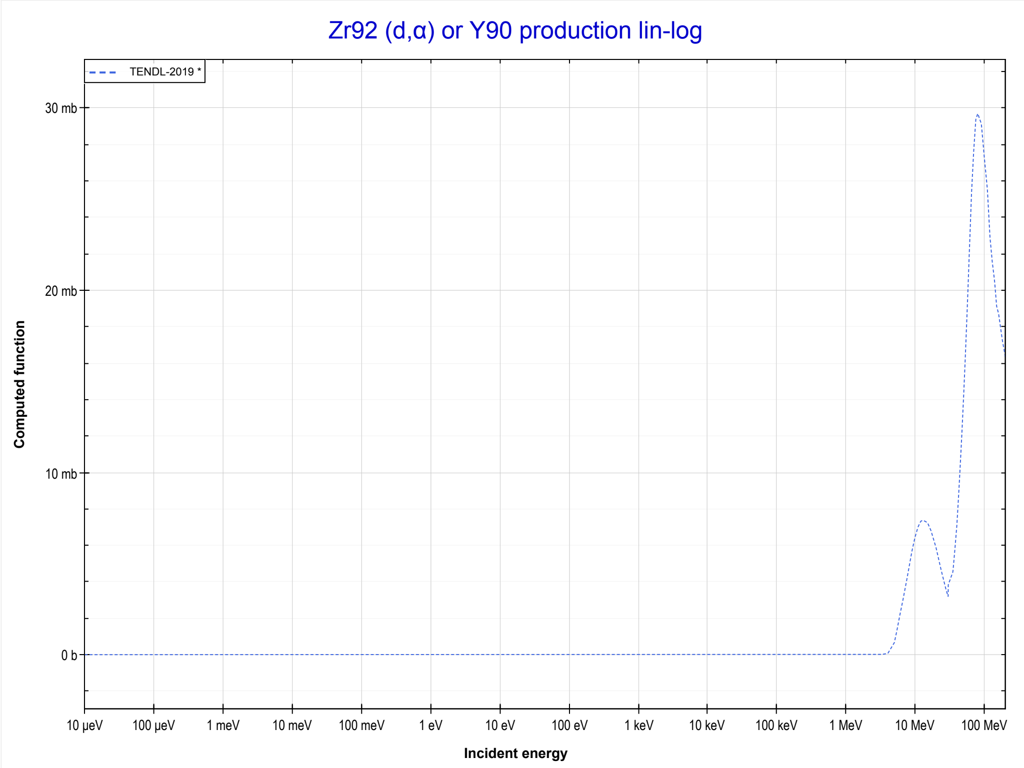




Reaction	Q-Value
Zr91(d,n+α)Y88	-957.08 keV
Zr91(d,d+t)Y88	-18546.38 keV
Zr91(d,n+p+t)Y88	-20770.95 keV
Zr91(d,2n+He3)Y88	-21534.70 keV
Zr91(d,n+2d)Y88	-24803.61 keV
Zr91(d,2n+p+d)Y88	-27028.17 keV
Zr91(d,3n+2p)Y88	-29252.74 keV

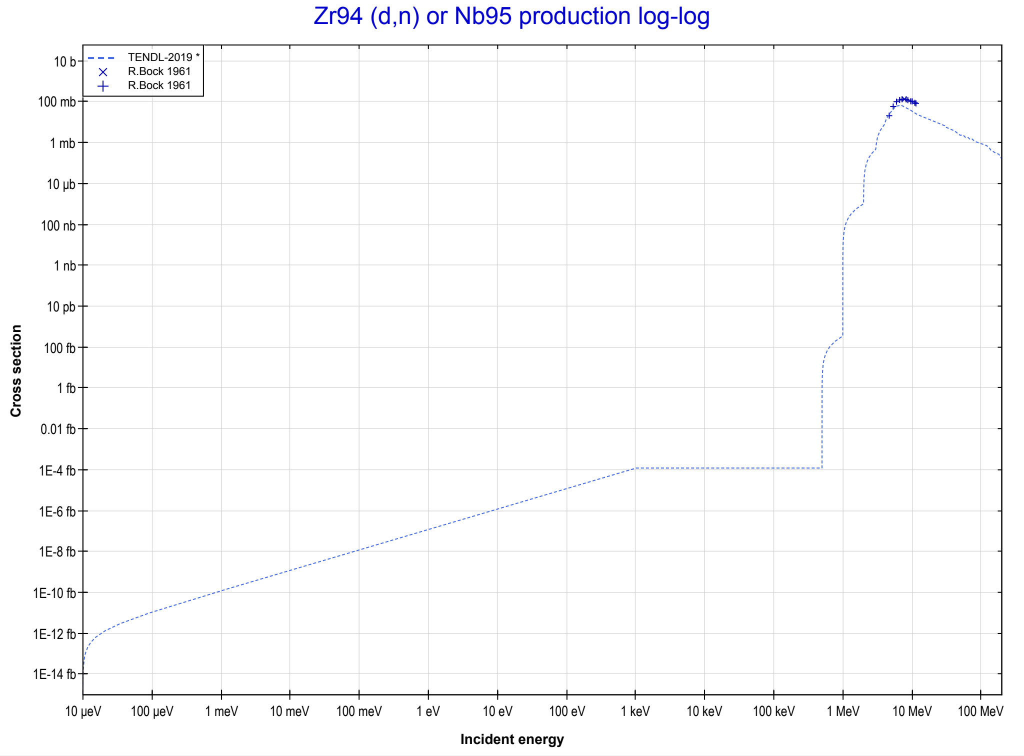
<< 40-Zr-90	**40-Zr-92**	40-Zr-94 >>
<< 40-Zr-91 MT184 (d,n+p+t)	**MT107 (d,α) or MT5 (Y90 production)**	40-Zr-94 MT4 (d,n) >>

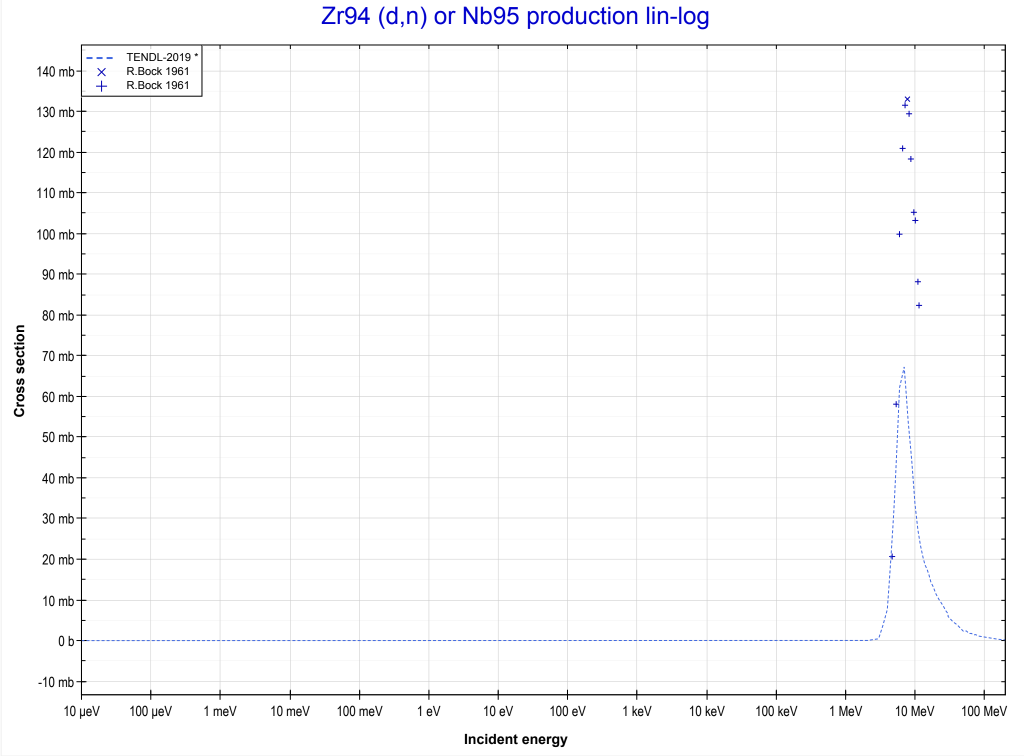




Reaction	Q-Value
Zr92(d,α)Y90	8745.88 keV
Zr92(d,p+t)Y90	-11067.99 keV
Zr92(d,n+He3)Y90	-11831.74 keV
Zr92(d,2d)Y90	-15100.65 keV
Zr92(d,n+p+d)Y90	-17325.22 keV
Zr92(d,2n+2p)Y90	-19549.78 keV

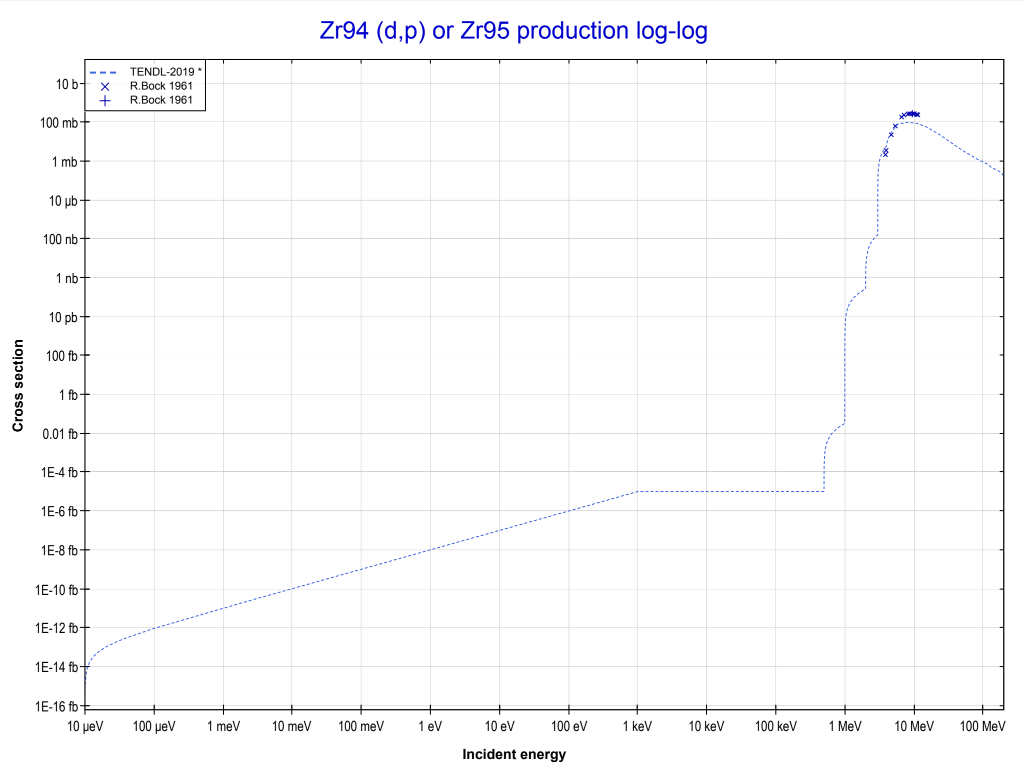
<< 36-Kr-80	**40-Zr-94**	40-Zr-96 >>
<< 40-Zr-92 MT107 (d,α)	**MT4 (d,n) or MT5 (Nb95 production)**	MT103 (d,p) >>

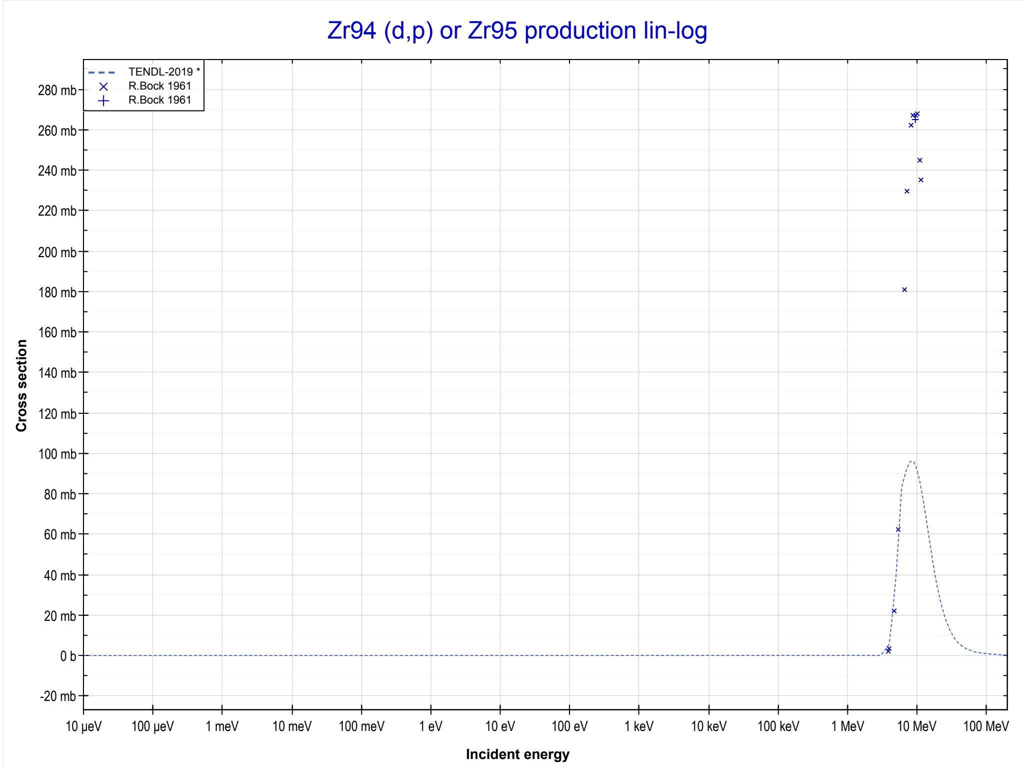




Reaction	Q-Value
Zr94(d,n)Nb95	4581.38 keV

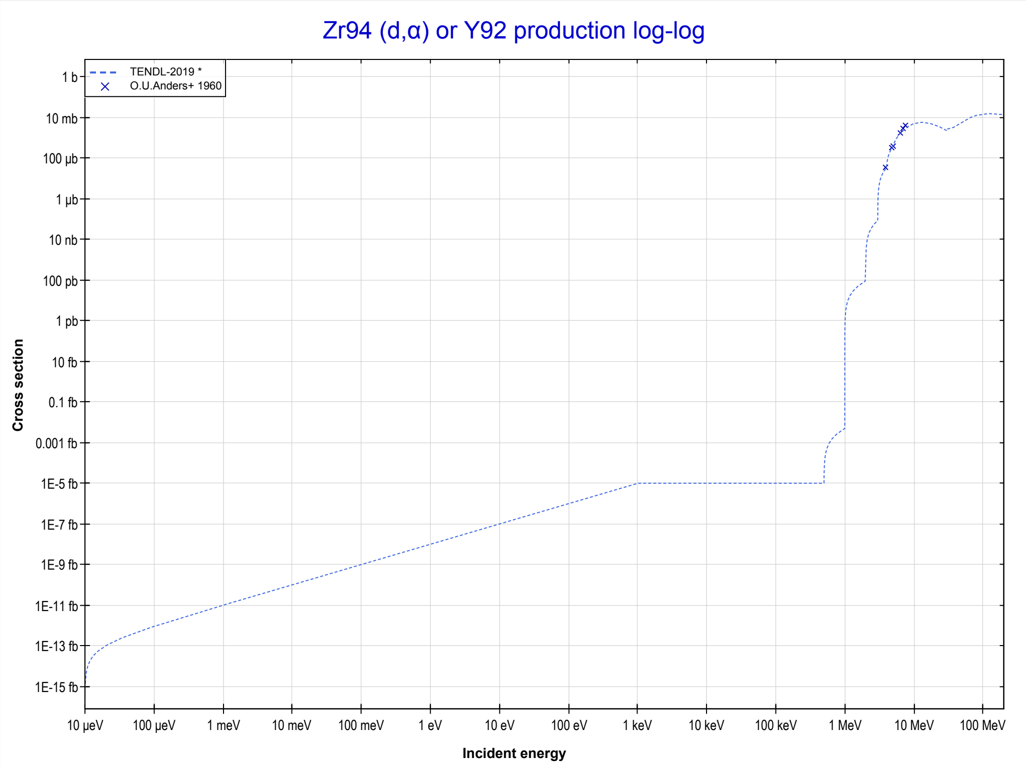
<< 39-Y-89	**40-Zr-94**	40-Zr-96 >>
<< MT4 (d,n)	**MT103 (d,p) or MT5 (Zr95 production)**	MT107 (d,α) >>

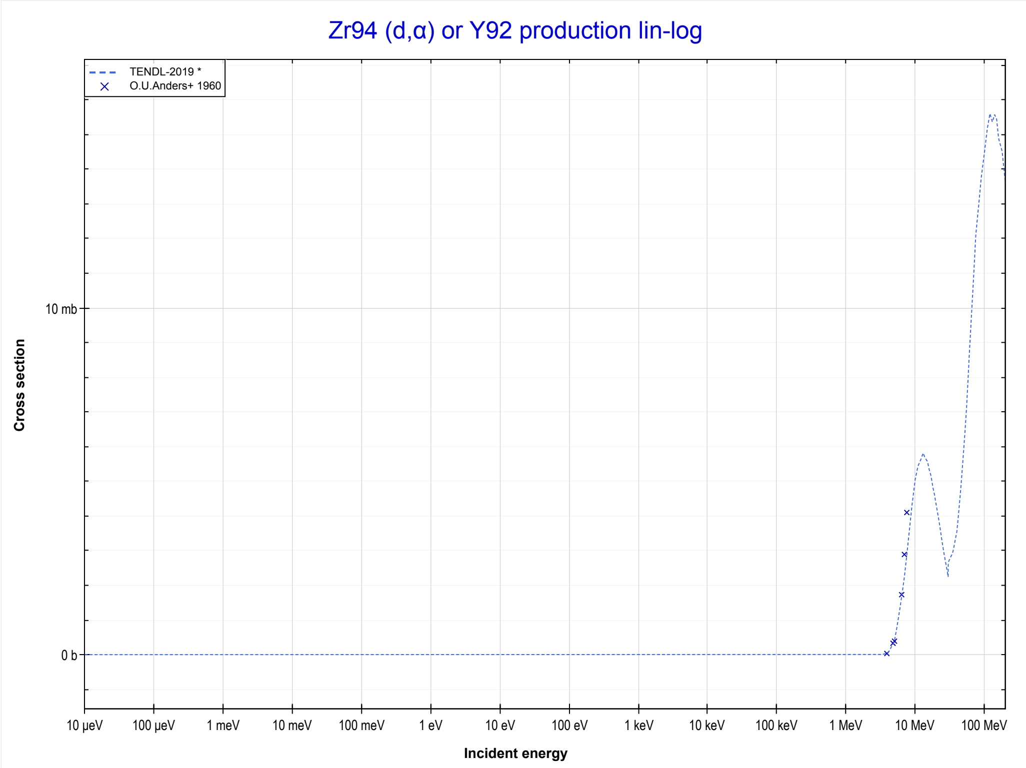




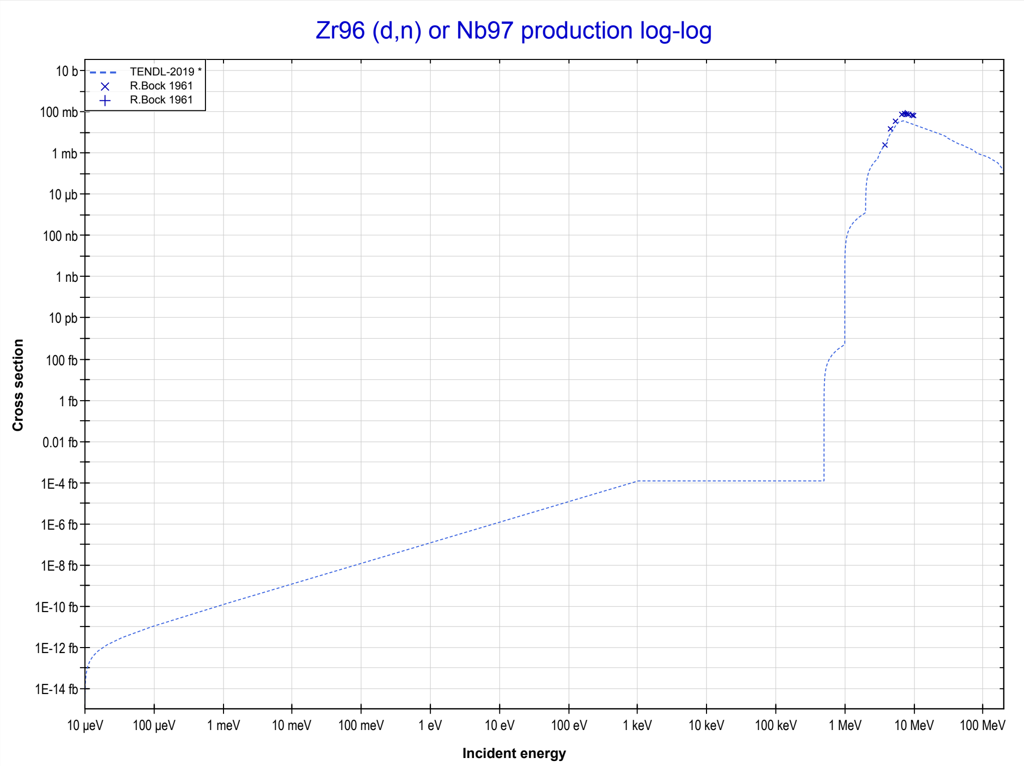
Reaction	Q-Value
Zr94(d,p)Zr95	4237.33 keV

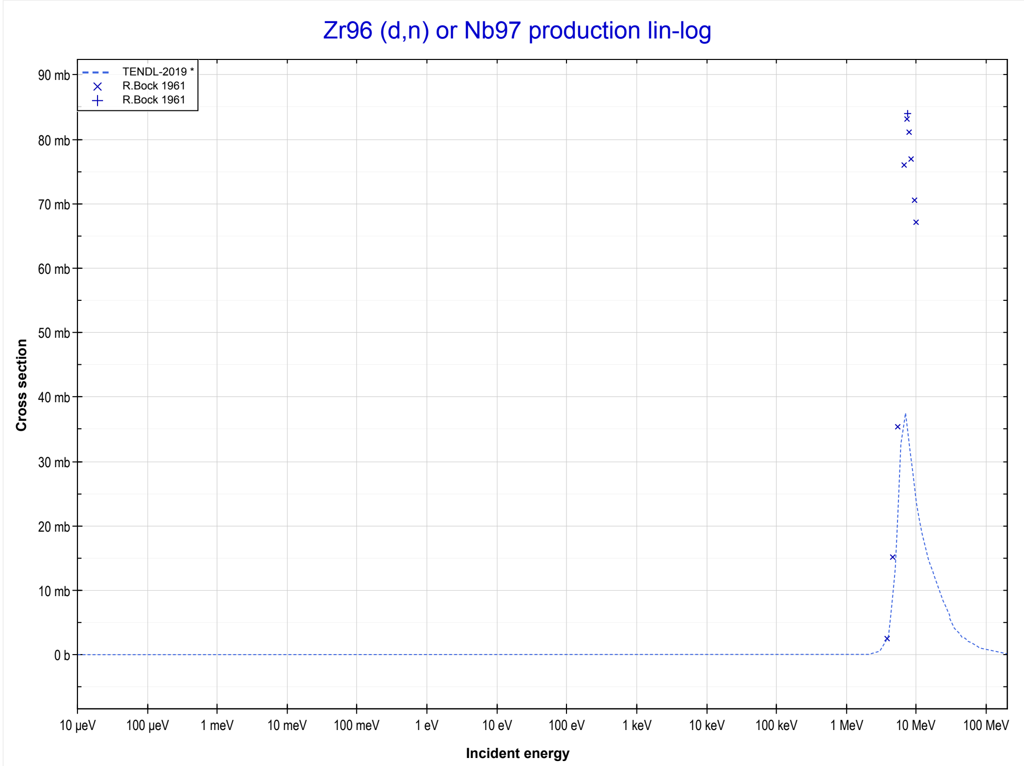
<< 40-Zr-92	**40-Zr-94**	42-Mo-92 >>
<< MT103 (d,p)	**MT107 (d,α) or MT5 (Y92 production)**	40-Zr-96 MT4 (d,n) >>





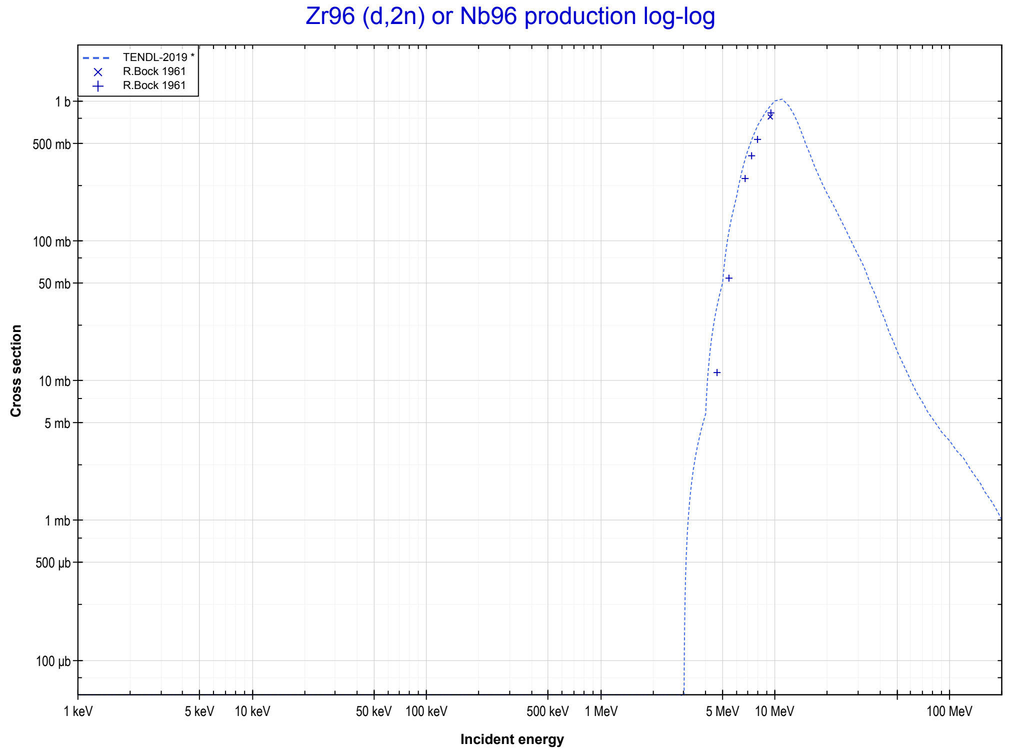
Reaction	Q-Value
Zr94(d,α)Y92	8257.49 keV
Zr94(d,p+t)Y92	-11556.38 keV
Zr94(d,n+He3)Y92	-12320.13 keV
Zr94(d,2d)Y92	-15589.04 keV
Zr94(d,n+p+d)Y92	-17813.61 keV
Zr94(d,2n+2p)Y92	-20038.17 keV

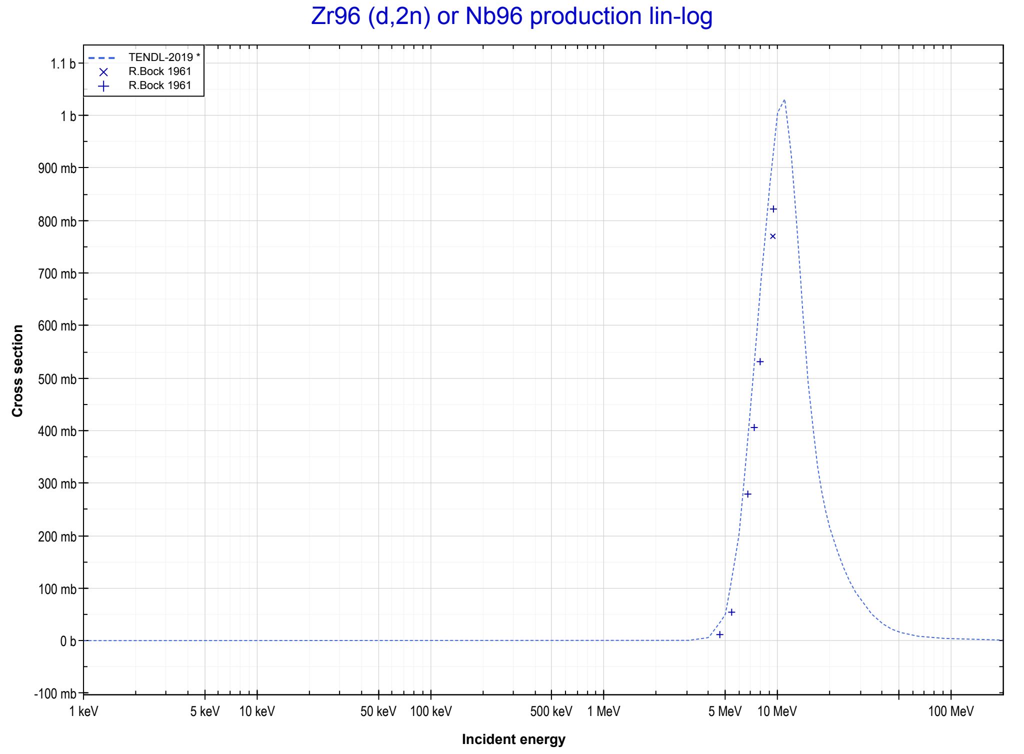




Reaction	Q-Value
Zr96(d,n)Nb97	5231.55 keV

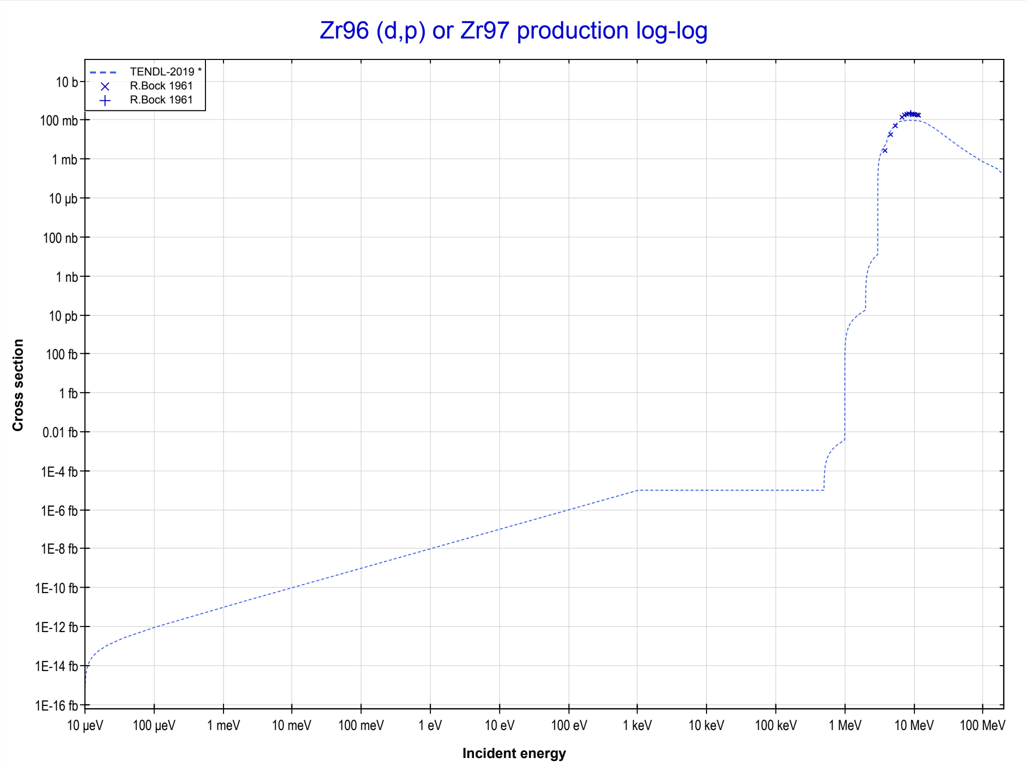
<< 40-Zr-90	**40-Zr-96**	41-Nb-93 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Nb96 production)**	MT103 (d,p) >>

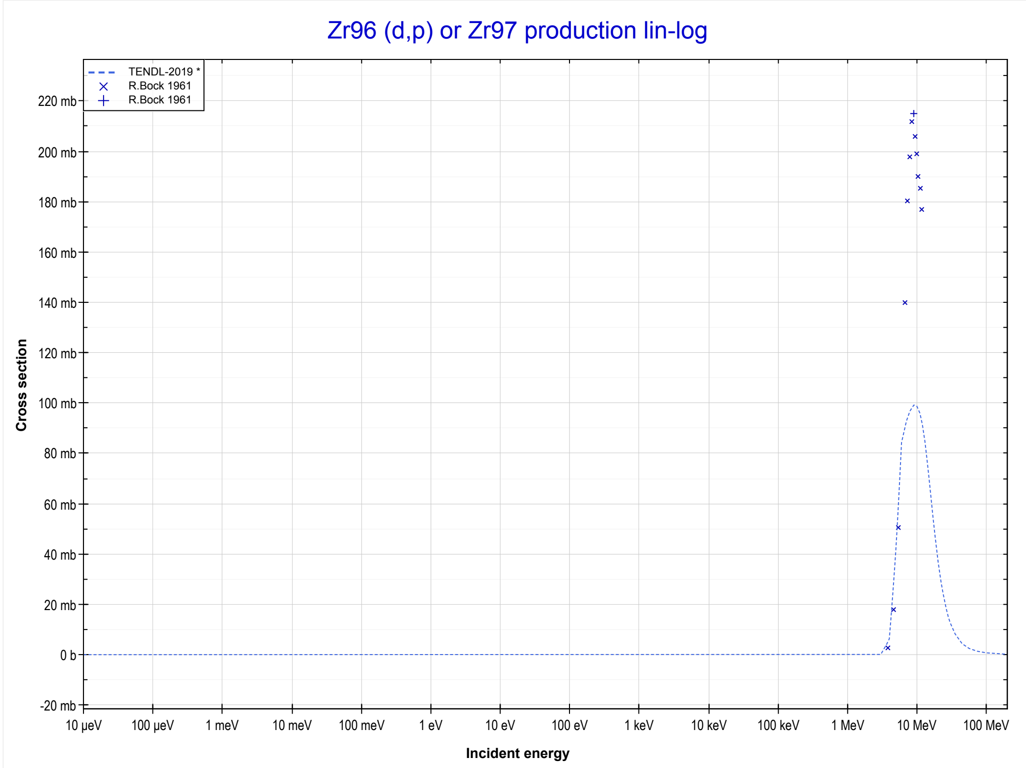




Reaction	Q-Value
Zr96(d,2n)Nb96	-2842.94 keV

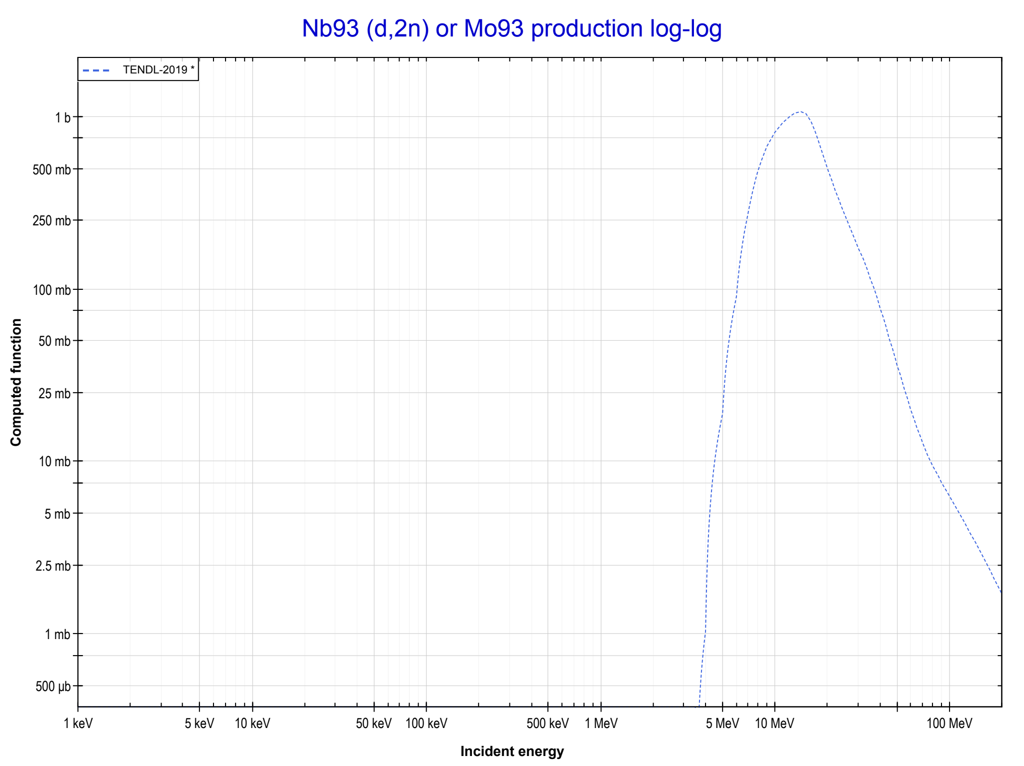
<< 40-Zr-94	**40-Zr-96**	41-Nb-93 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Zr97 production)**	41-Nb-93 MT16 (d,2n) >>

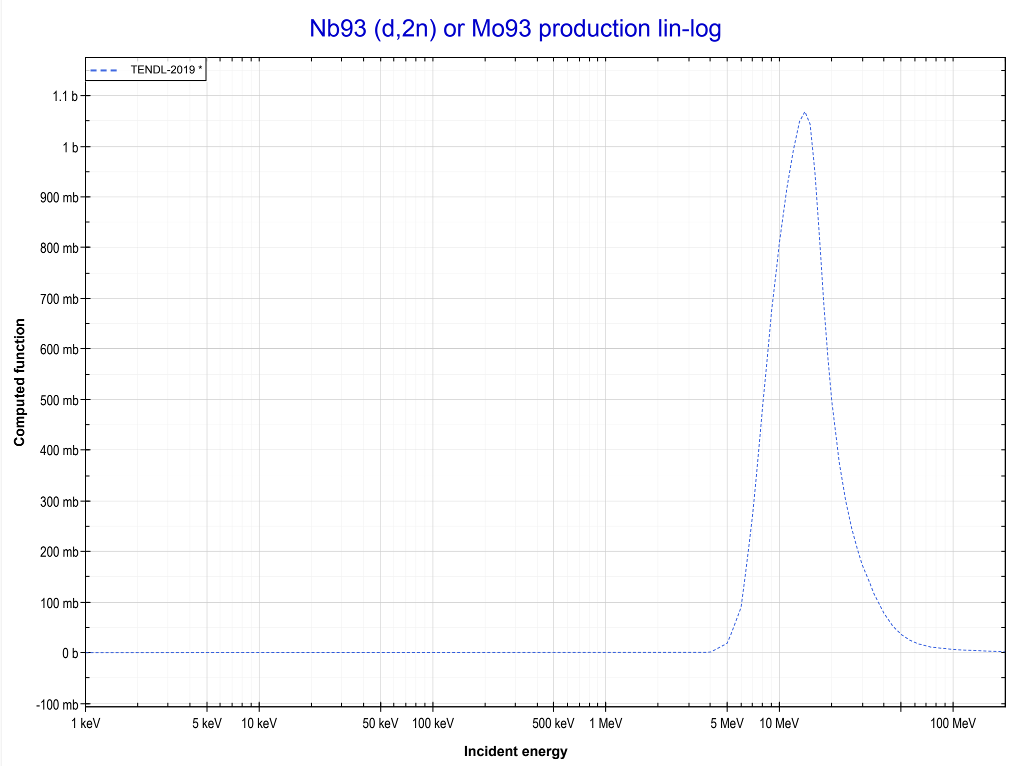




Reaction	Q-Value
Zr96(d,p)Zr97	3350.60 keV

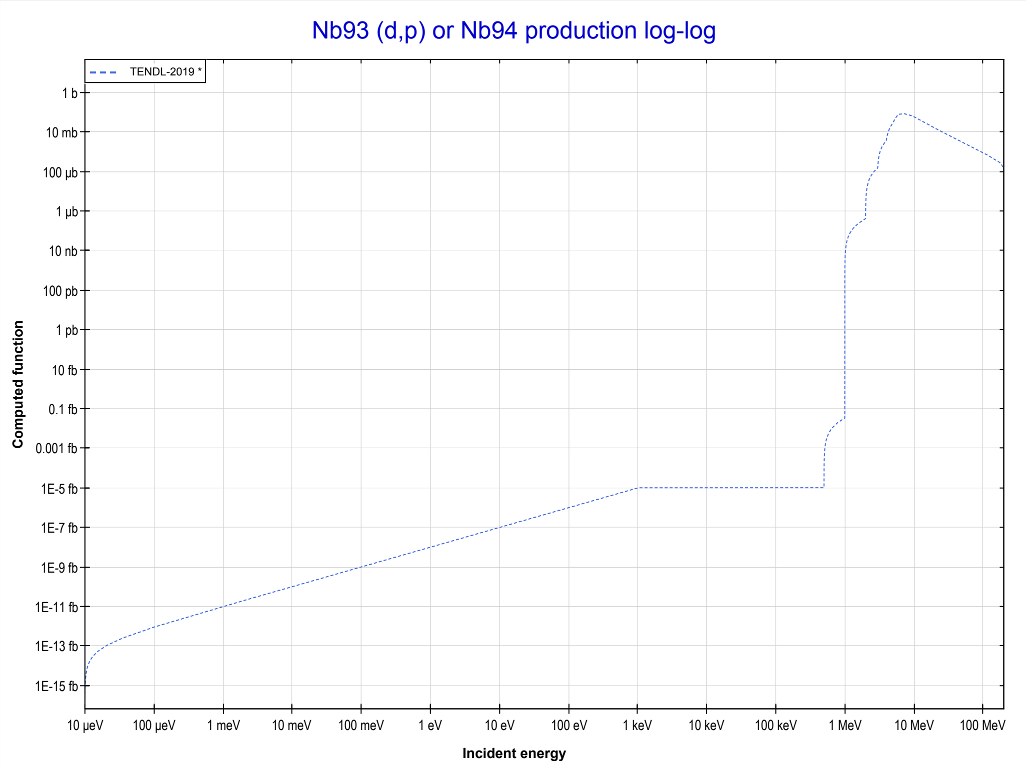
<< 40-Zr-96	**41-Nb-93**	42-Mo-94 >>
<< 40-Zr-96 MT103 (d,p)	**MT16 (d,2n) or MT5 (Mo93 production)**	MT103 (d,p) >>

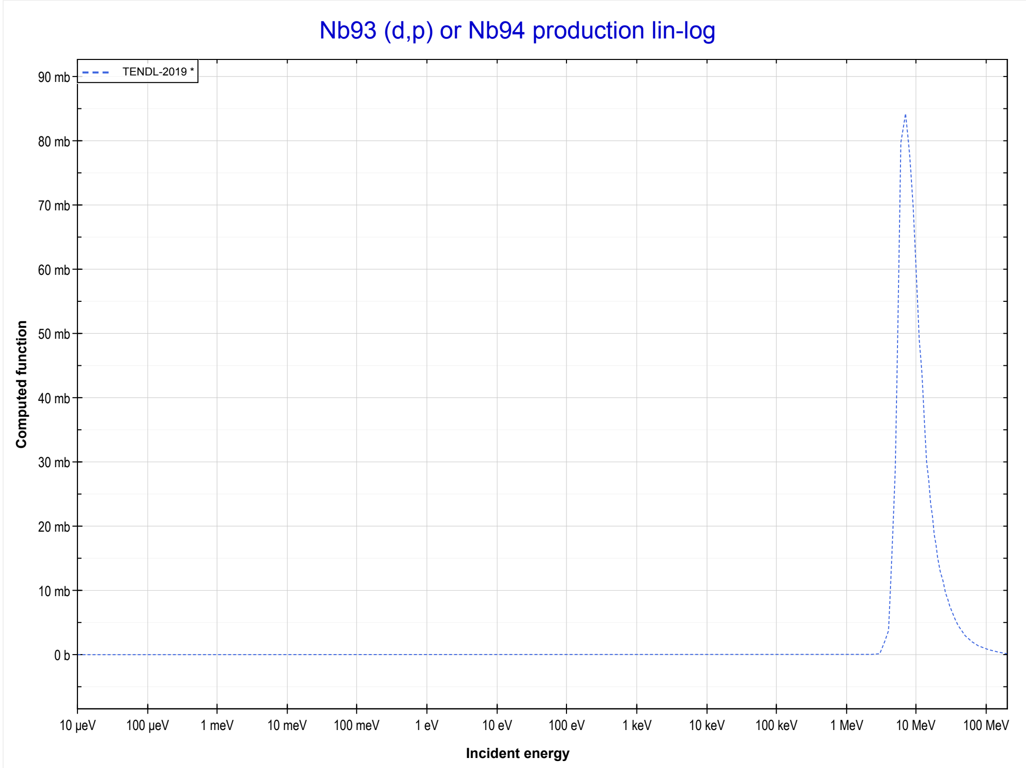




Reaction	Q-Value
Nb93(d,2n)Mo93	-3412.64 keV

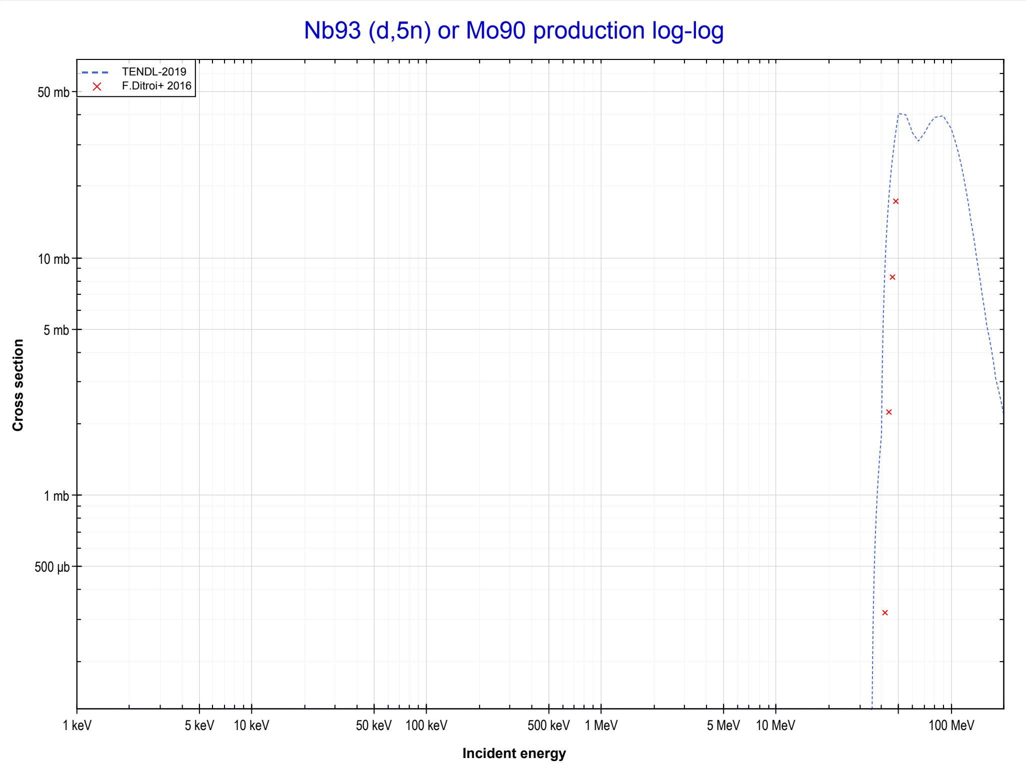
<< 40-Zr-96	**41-Nb-93**	42-Mo-98 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Nb94 production)**	MT152 (d,5n) >>

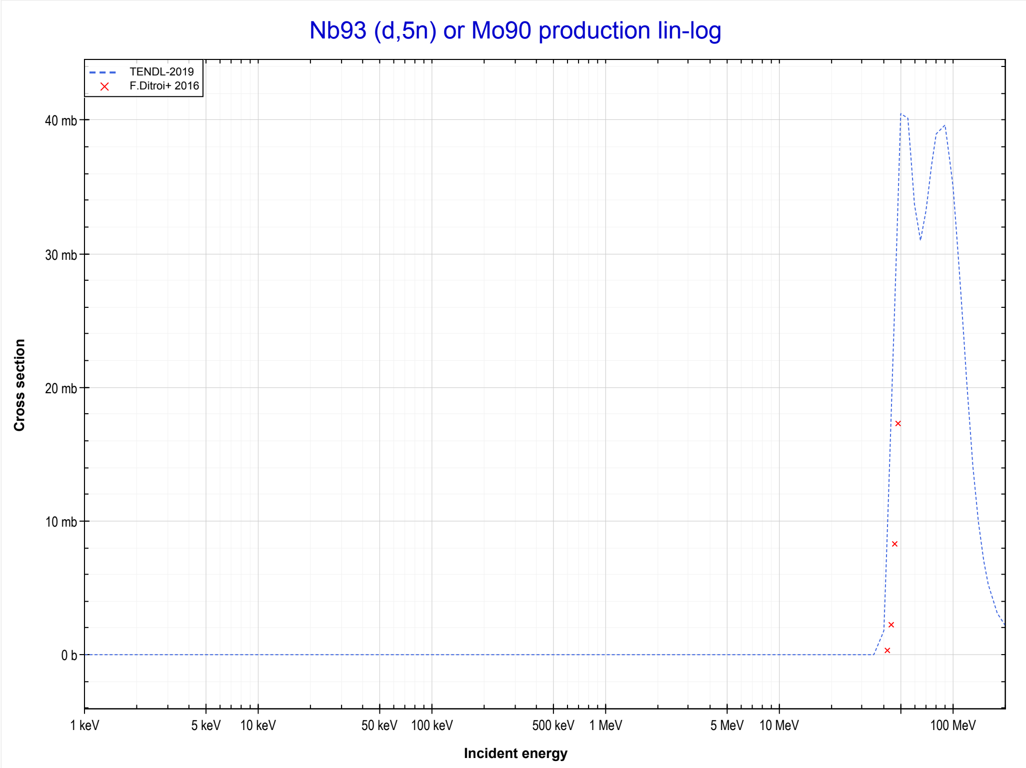




Reaction	Q-Value
Nb93(d,p)Nb94	5003.05 keV

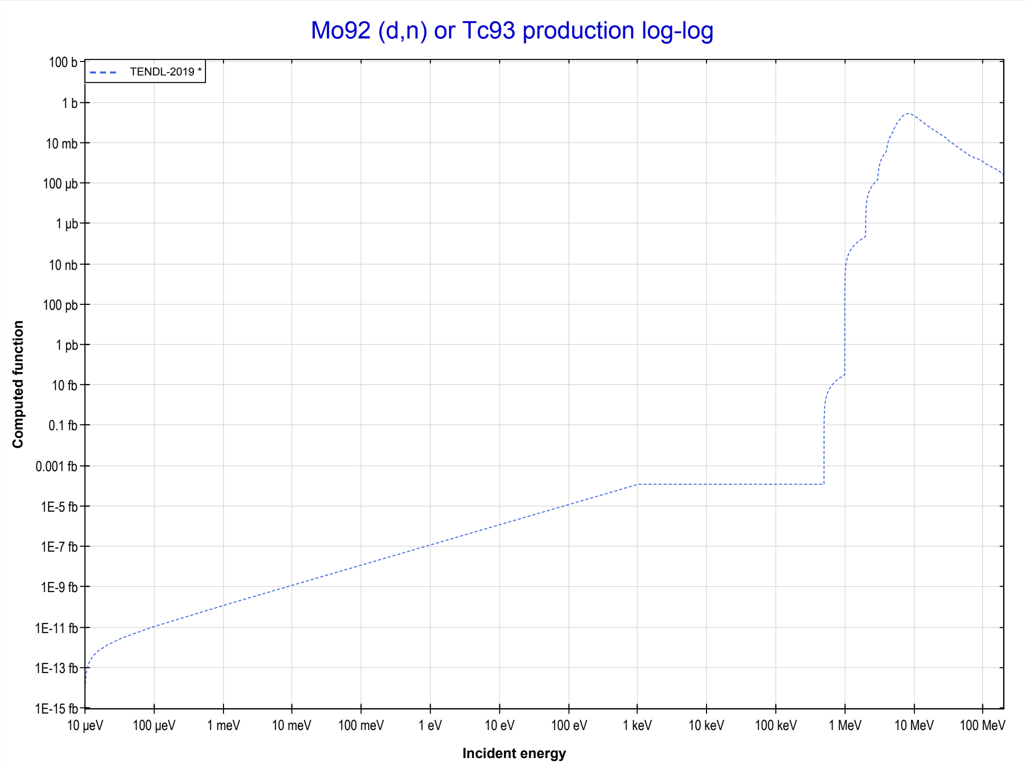
<< 33-As-75	**41-Nb-93**	45-Rh-103 >>
<< MT103 (d,p)	**MT152 (d,5n) or MT5 (Mo90 production)**	42-Mo-92 MT4 (d,n) >>

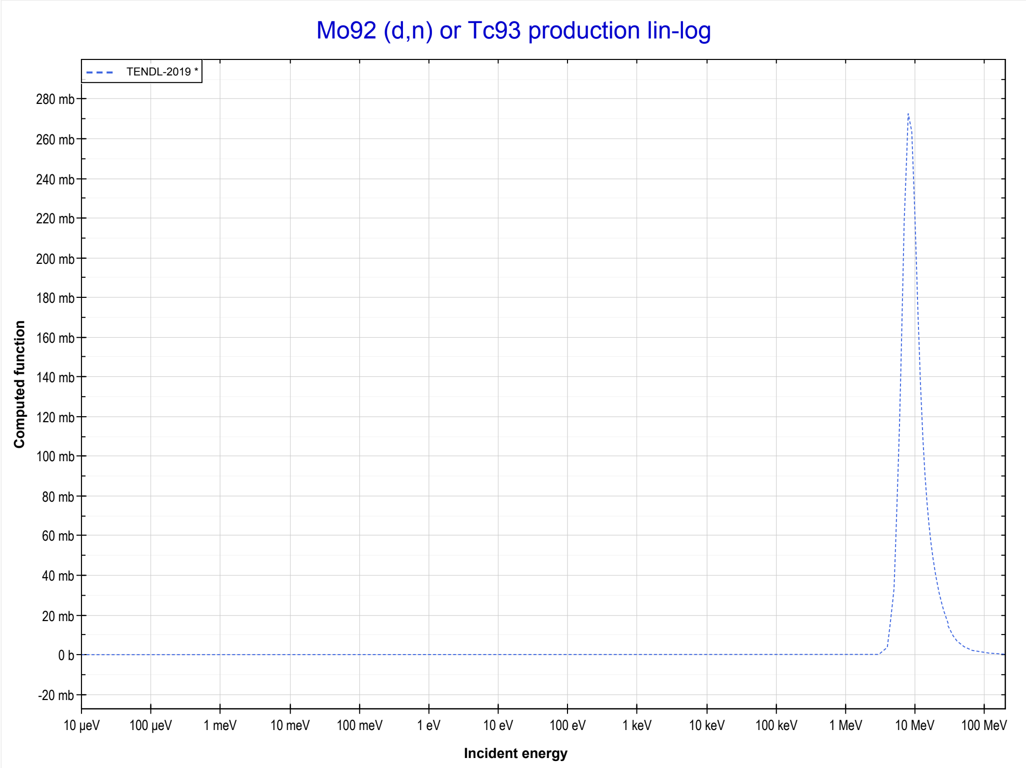




Reaction	Q-Value
Nb93(d,5n)Mo90	-34260.66 keV

<< 40-Zr-96	**42-Mo-92**	42-Mo-94 >>
<< 41-Nb-93 MT152 (d,5n)	**MT4 (d,n) or MT5 (Tc93 production)**	MT107 (d,α) >>

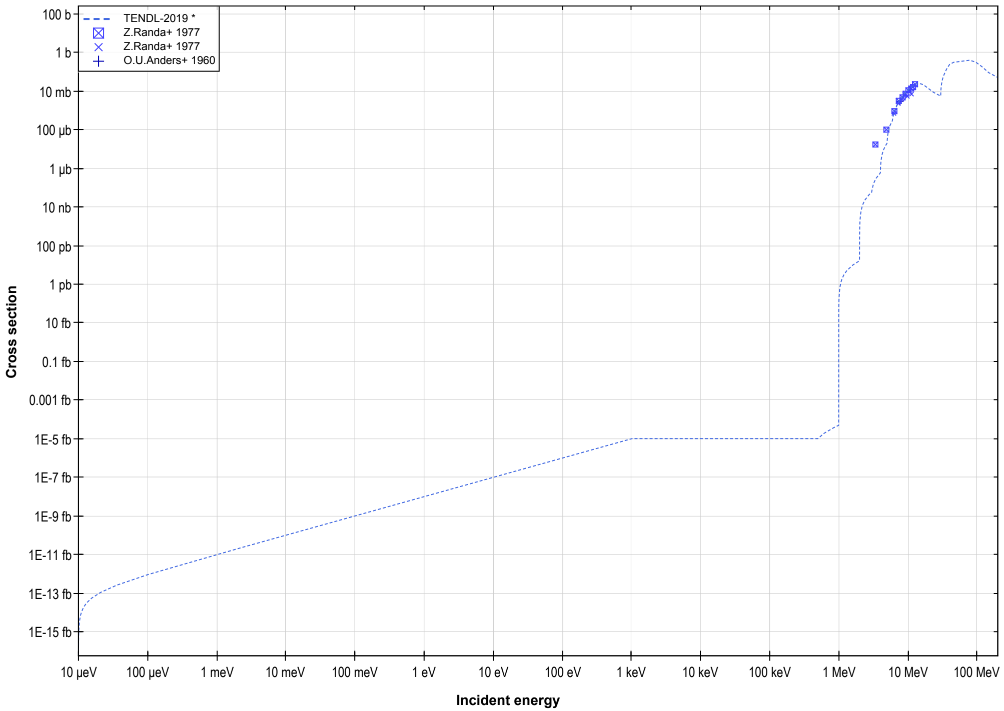




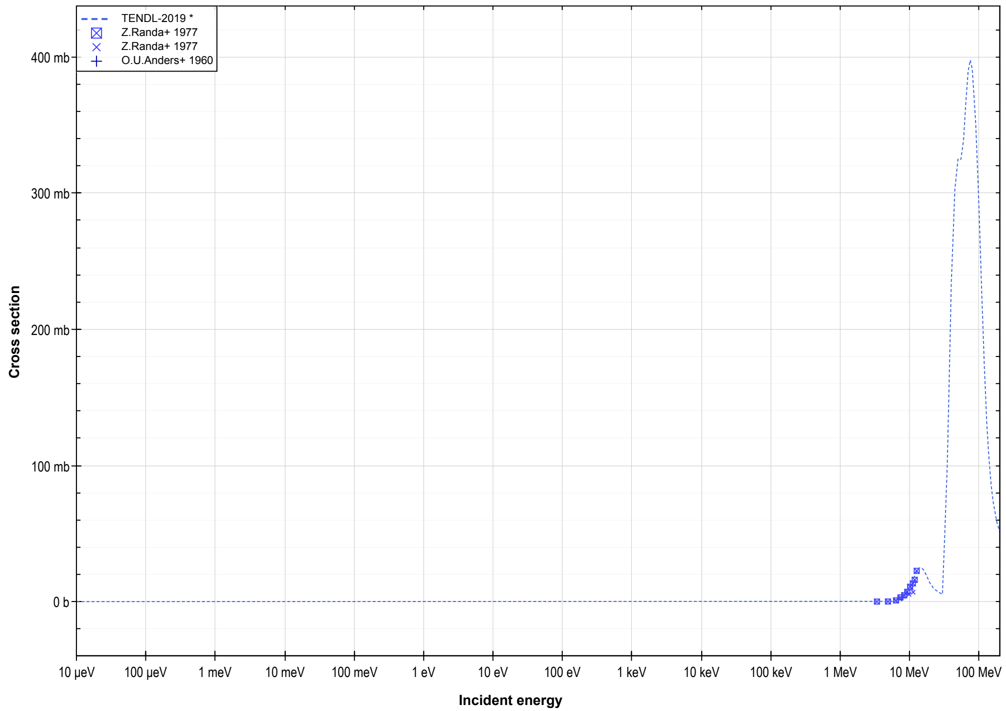
Reaction	Q-Value
Mo92(d,n)Tc93	1861.92 keV

<< 40-Zr-94	**42-Mo-92**	42-Mo-94 >>
<< MT4 (d,n)	**MT107 (d,α) or MT5 (Nb90 production)**	42-Mo-94 MT4 (d,n) >>

Mo92 (d,α) or Nb90 production log-log

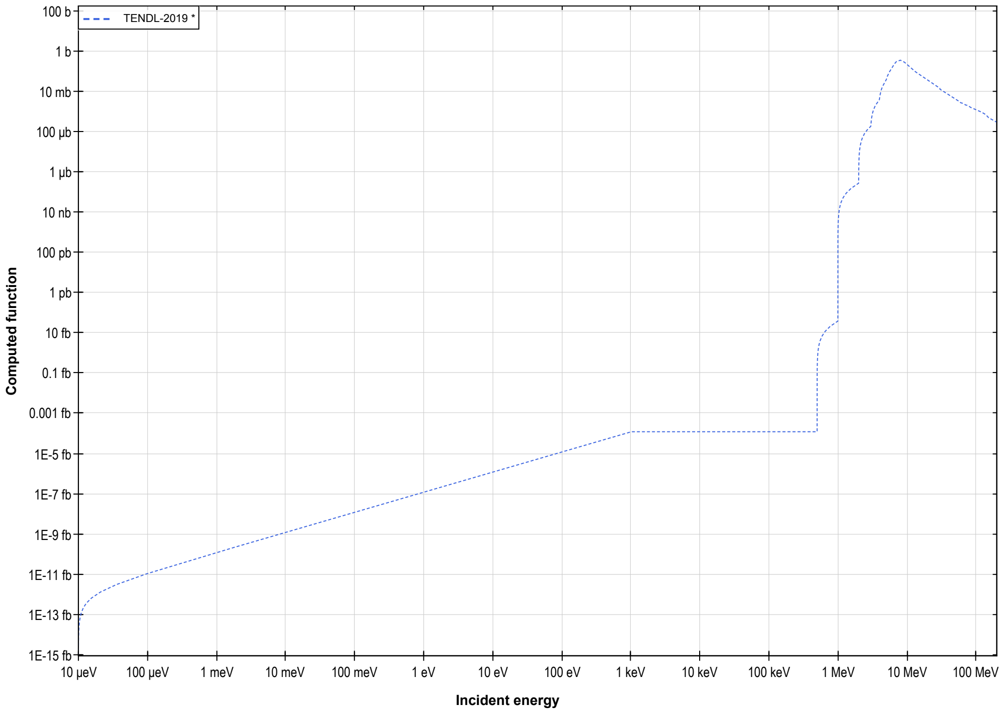


Mo92 (d,α) or Nb90 production lin-log

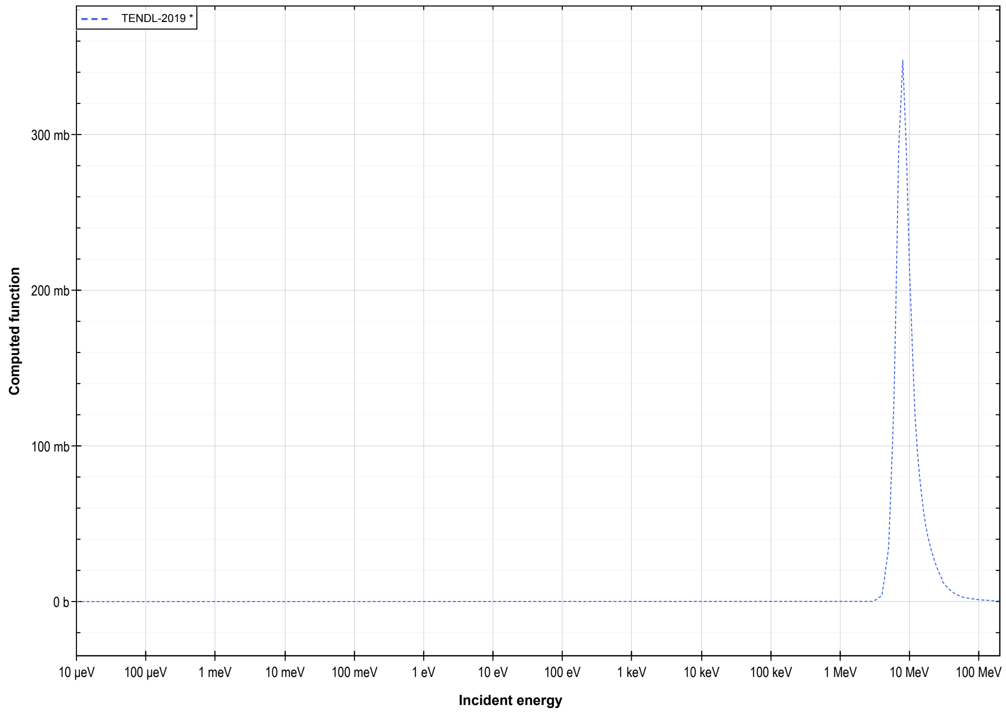


Reaction	Q-Value
Mo92(d,α)Nb90	6564.23 keV
Mo92(d,p+t)Nb90	-13249.64 keV
Mo92(d,n+He3)Nb90	-14013.39 keV
Mo92(d,2d)Nb90	-17282.30 keV
Mo92(d,n+p+d)Nb90	-19506.87 keV
Mo92(d,2n+2p)Nb90	-21731.43 keV

Mo94 (d,n) or Tc95 production log-log

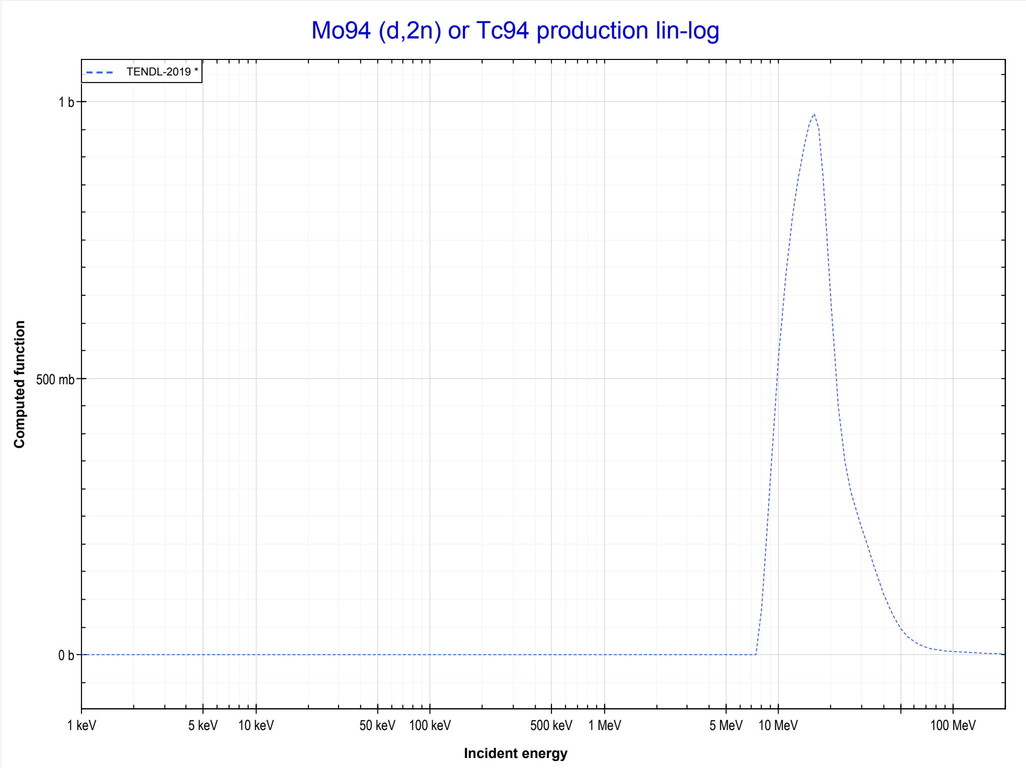


Mo94 (d,n) or Tc95 production lin-log



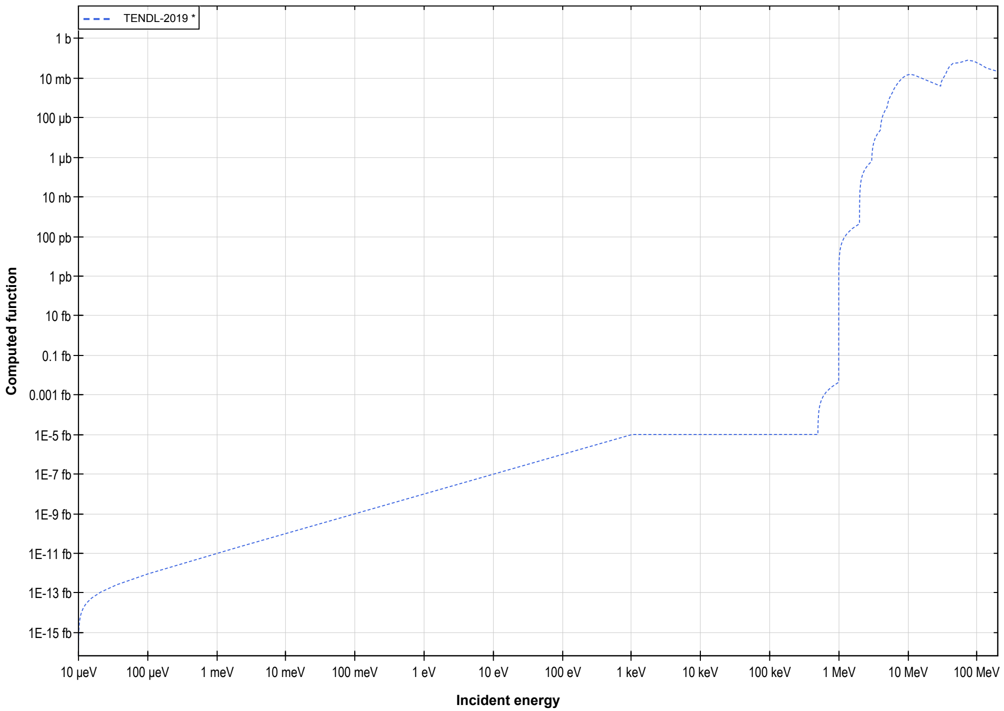
Reaction	Q-Value
Mo94(d,n)Tc95	2671.34 keV

<< 41-Nb-93	**42-Mo-94**	45-Rh-103 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Tc94 production)**	MT107 (d,α) >>

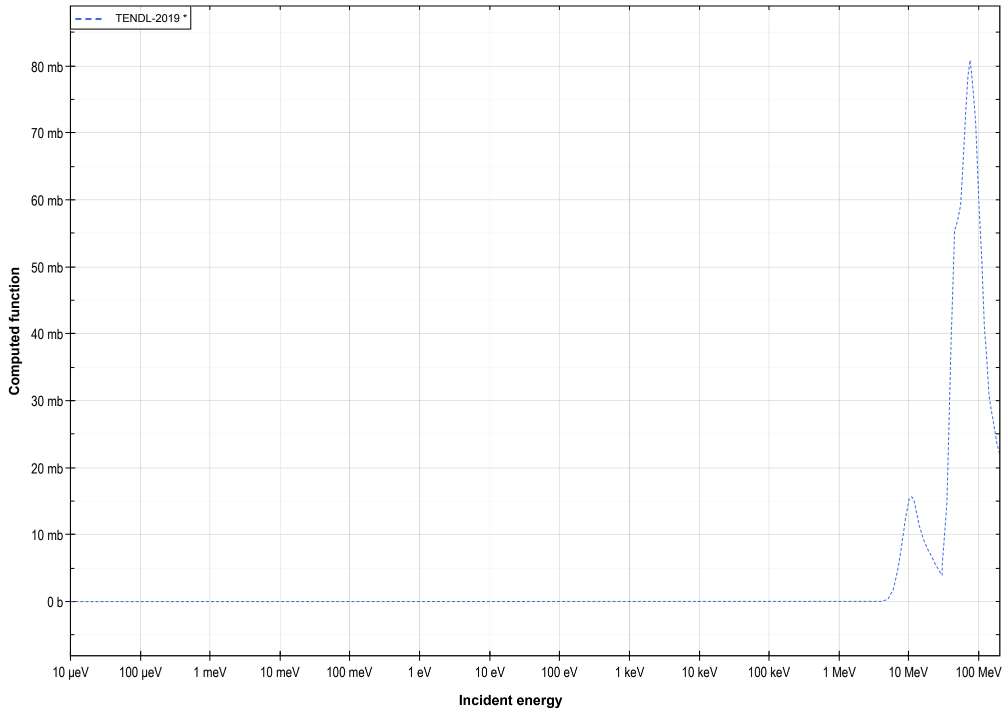


Reaction	Q-Value
Mo94(d,2n)Tc94	-7262.97 keV

Mo94 (d,α) or Nb92 production log-log

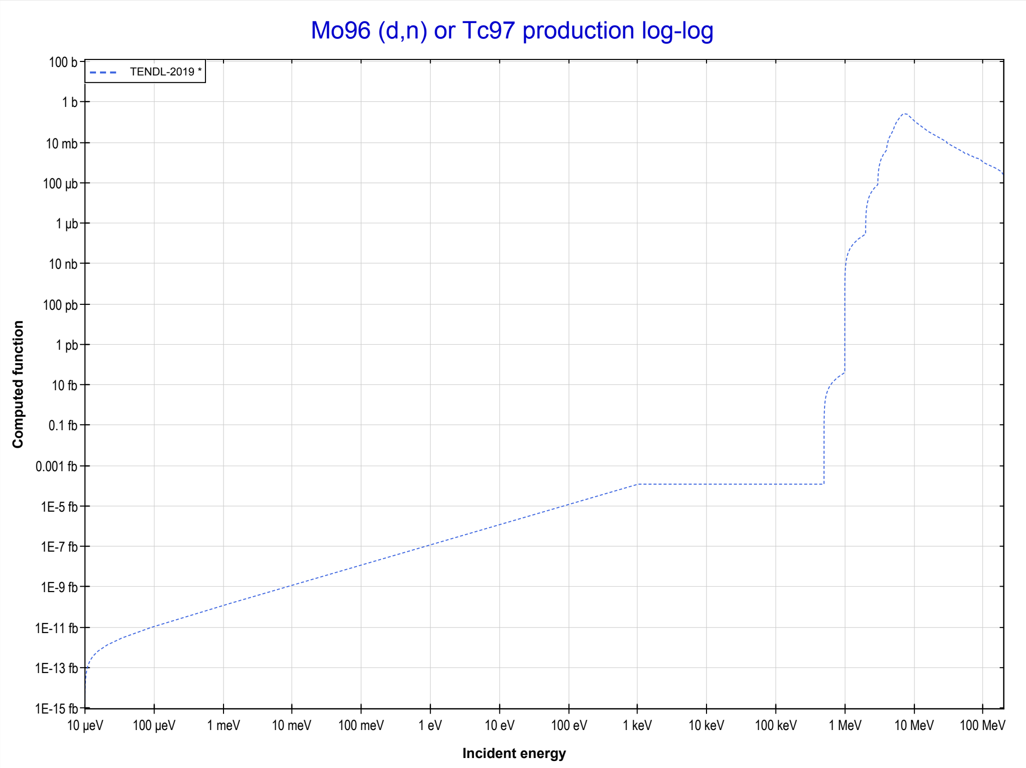


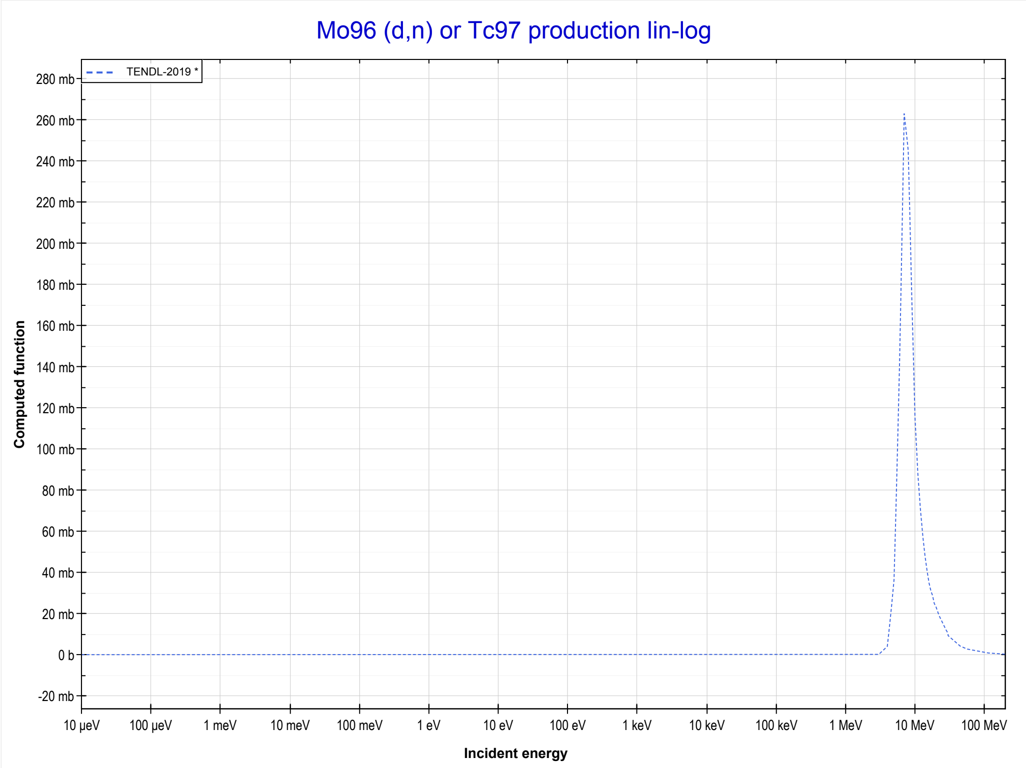
Mo94 (d,α) or Nb92 production lin-log



Reaction	Q-Value
Mo94(d,α)Nb92	8750.05 keV
Mo94(d,p+t)Nb92	-11063.82 keV
Mo94(d,n+He3)Nb92	-11827.57 keV
Mo94(d,2d)Nb92	-15096.48 keV
Mo94(d,n+p+d)Nb92	-17321.05 keV
Mo94(d,2n+2p)Nb92	-19545.61 keV

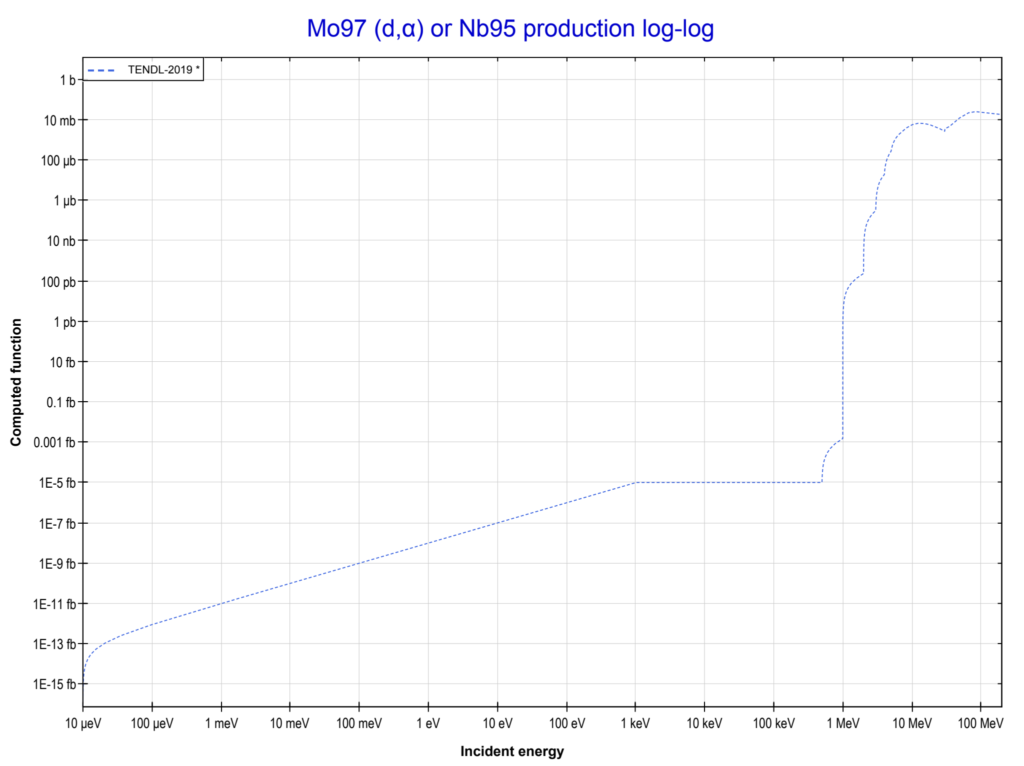
<< 42-Mo-94	**42-Mo-96**	42-Mo-98 >>
<< 42-Mo-94 MT107 (d,α)	**MT4 (d,n) or MT5 (Tc97 production)**	42-Mo-97 MT107 (d,α) >>

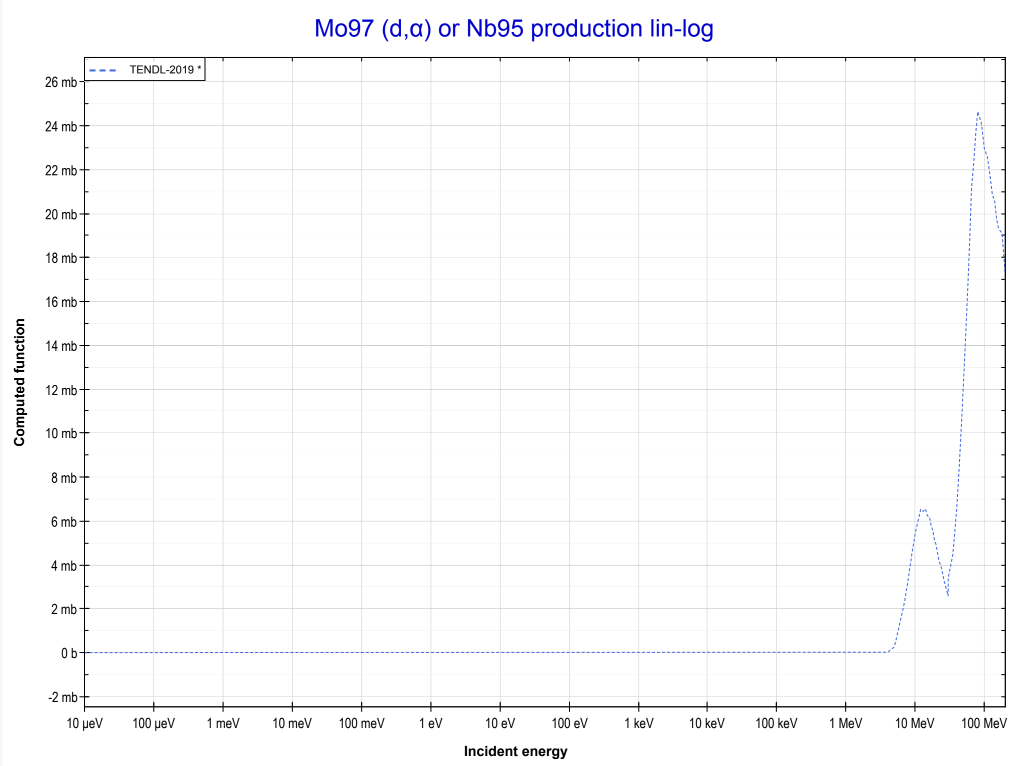




Reaction	Q-Value
Mo96(d,n)Tc97	3493.52 keV

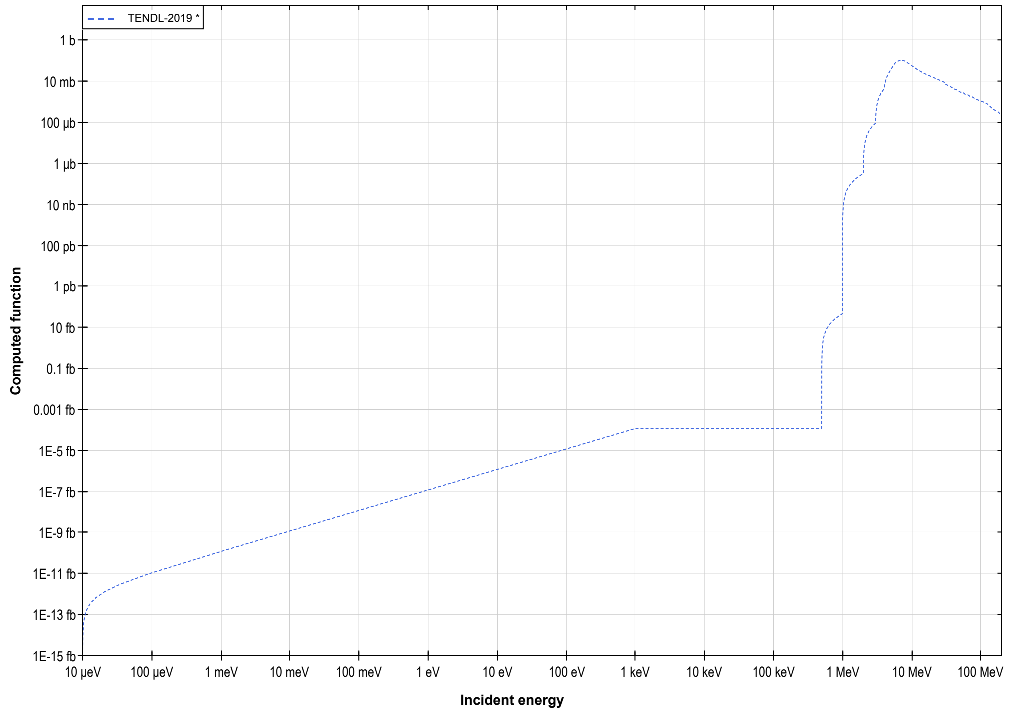
<< 42-Mo-94	**42-Mo-97**	42-Mo-98 >>
<< 42-Mo-96 MT4 (d,n)	**MT107 (d,α) or MT5 (Nb95 production)**	42-Mo-98 MT4 (d,n) >>



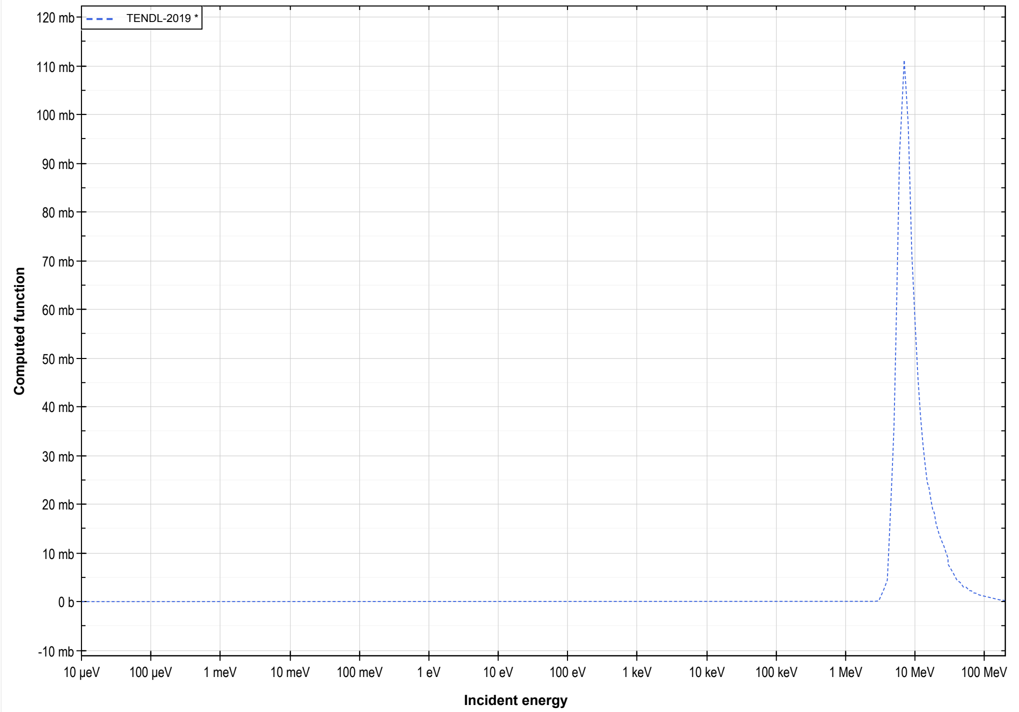


Reaction	Q-Value
Mo97(d,α)Nb95	9952.42 keV
Mo97(d,p+t)Nb95	-9861.45 keV
Mo97(d,n+He3)Nb95	-10625.20 keV
Mo97(d,2d)Nb95	-13894.11 keV
Mo97(d,n+p+d)Nb95	-16118.68 keV
Mo97(d,2n+2p)Nb95	-18343.24 keV

Mo98 (d,n) or Tc99 production log-log



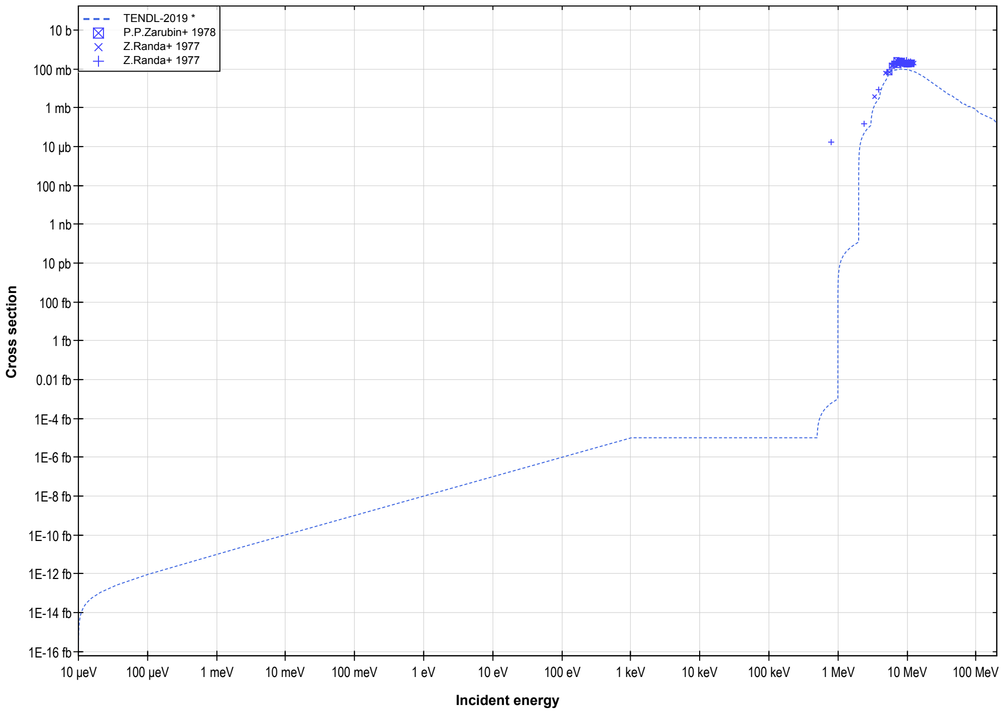
Mo98 (d,n) or Tc99 production lin-log



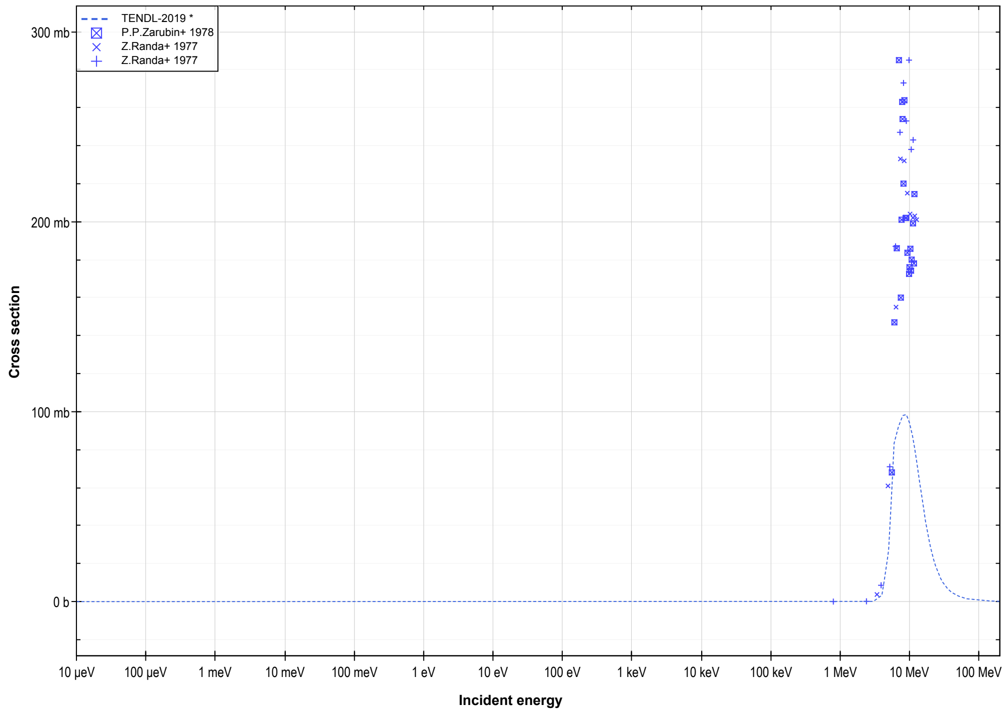
Reaction	Q-Value
Mo98(d,n)Tc99	4276.33 keV

<< 41-Nb-93	**42-Mo-98**	42-Mo-100 >>
<< MT4 (d,n)	**MT103 (d,p) or MT5 (Mo99 production)**	MT107 (d,α) >>

Mo98 (d,p) or Mo99 production log-log

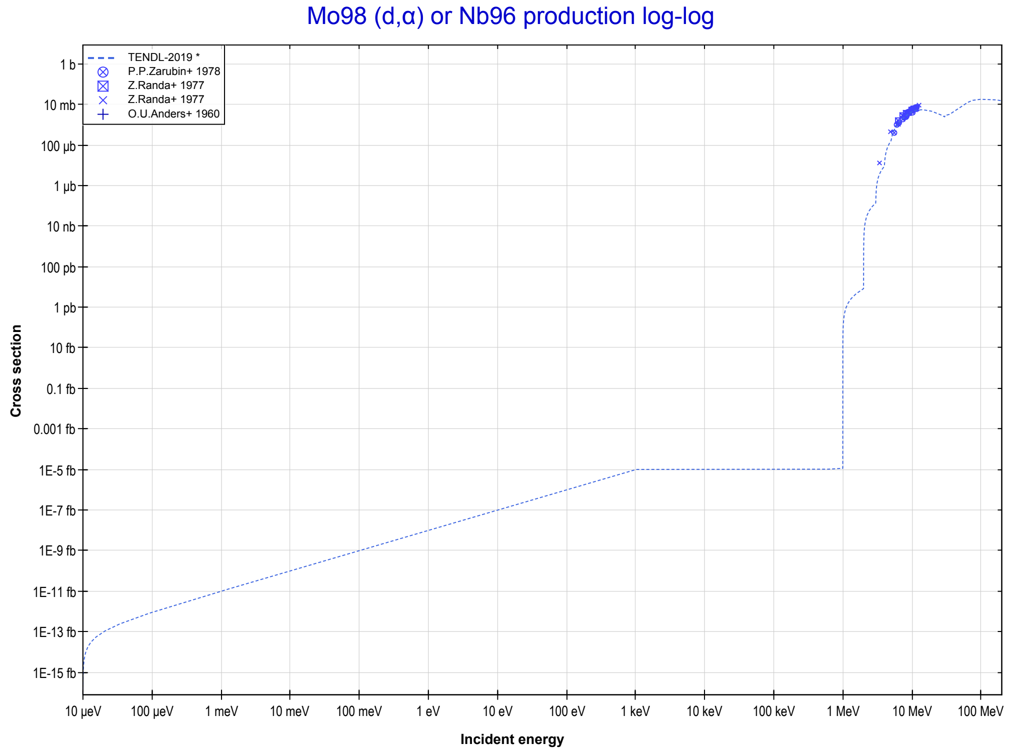


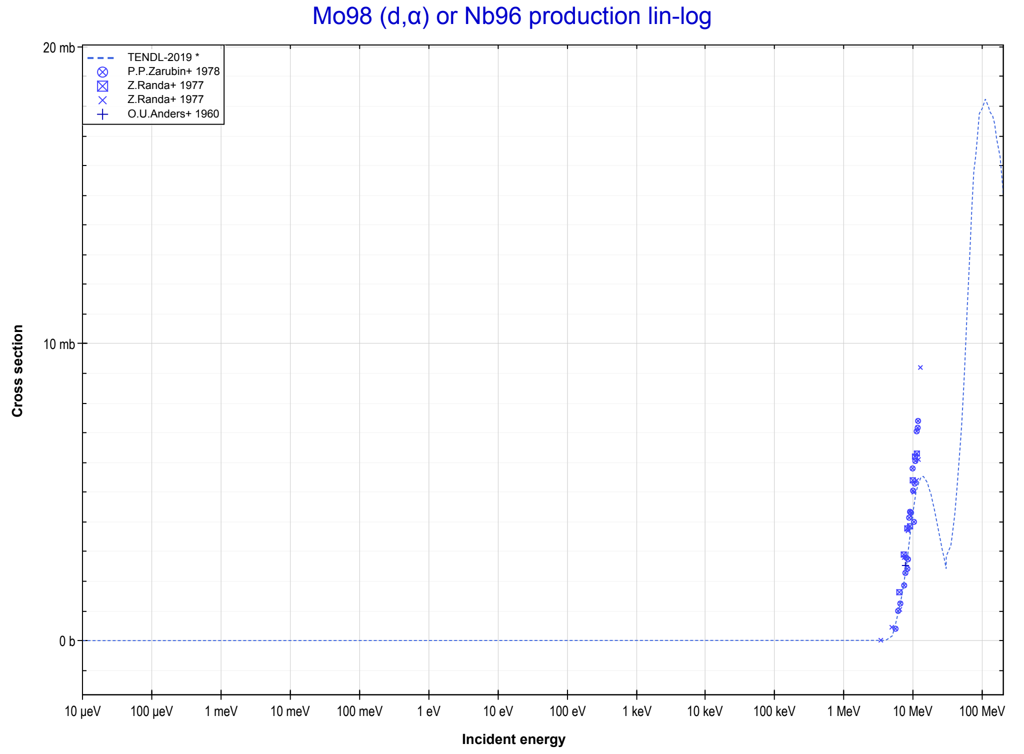
Mo98 (d,p) or Mo99 production lin-log



Reaction	Q-Value
Mo98(d,p)Mo99	3700.88 keV

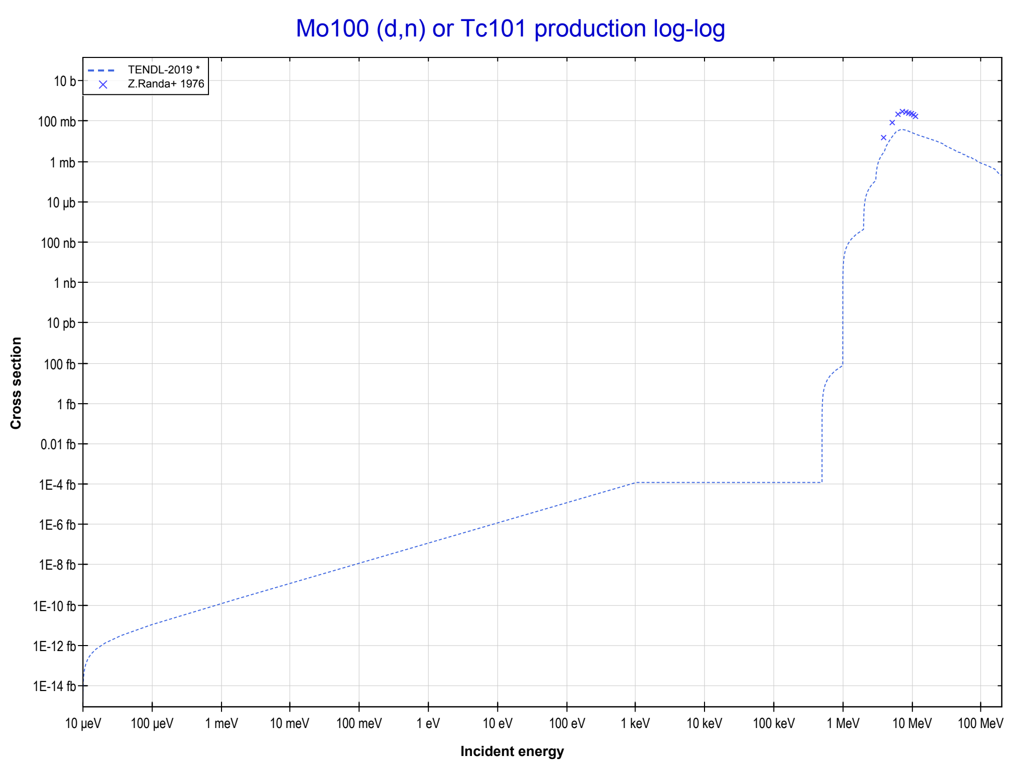
<< 42-Mo-97	**42-Mo-98**	48-Cd-106 >>
<< MT103 (d,p)	**MT107 (d,α) or MT5 (Nb96 production)**	42-Mo-100 MT4 (d,n) >>

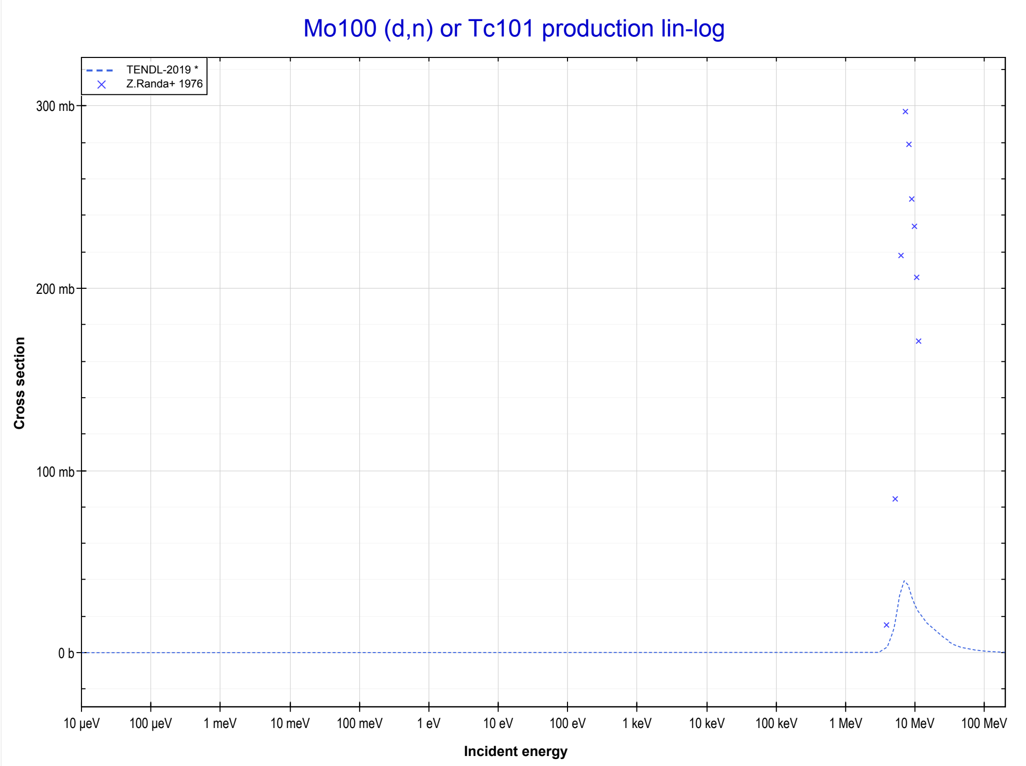




Reaction	Q-Value
Mo98(d,α)Nb96	8197.66 keV
Mo98(d,p+t)Nb96	-11616.21 keV
Mo98(d,n+He3)Nb96	-12379.96 keV
Mo98(d,2d)Nb96	-15648.87 keV
Mo98(d,n+p+d)Nb96	-17873.44 keV
Mo98(d,2n+2p)Nb96	-20098.00 keV

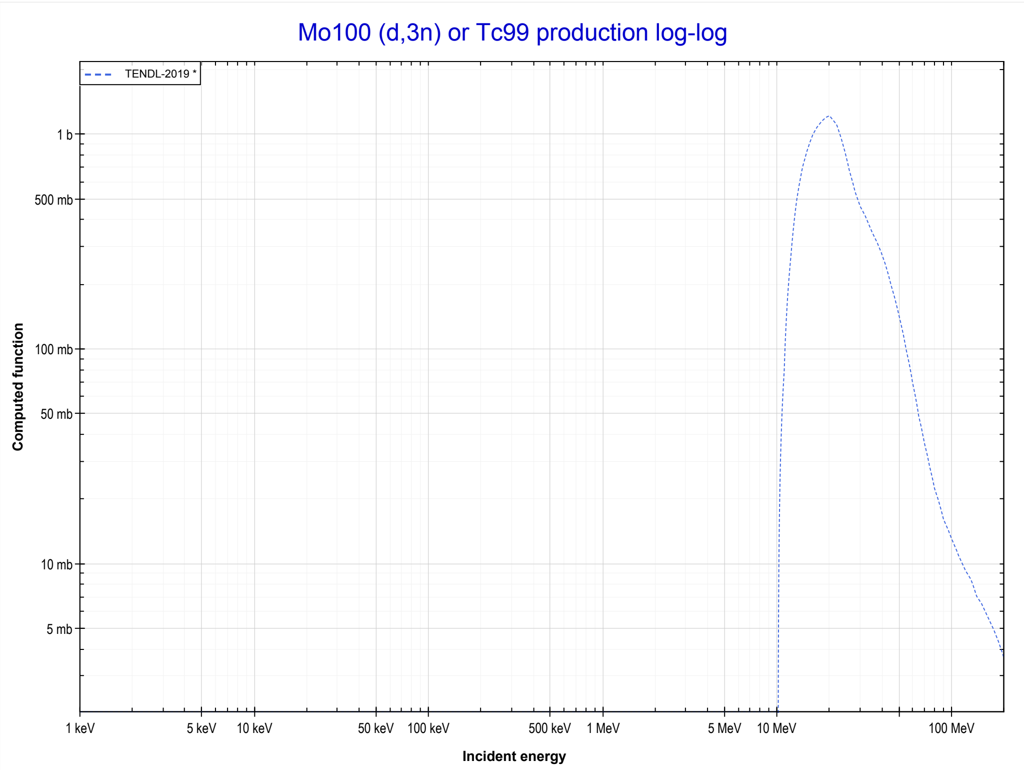
<< 42-Mo-98	**42-Mo-100**	46-Pd-110 >>
<< 42-Mo-98 MT107 (d,α)	**MT4 (d,n) or MT5 (Tc101 production)**	MT17 (d,3n) >>

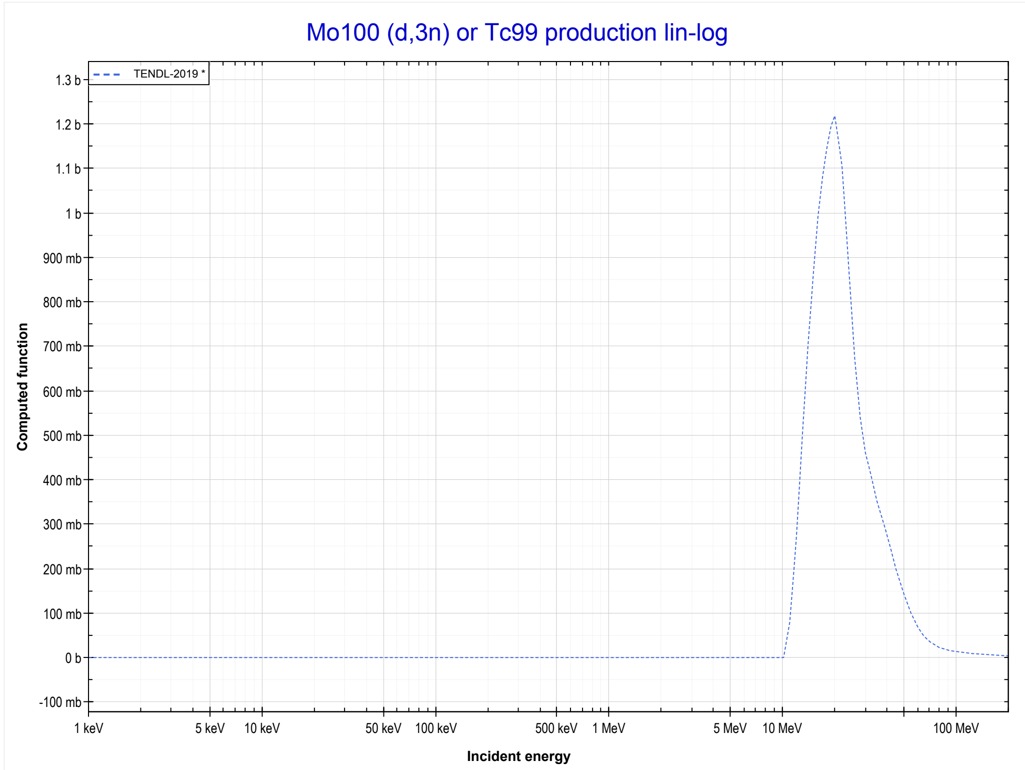




Reaction	Q-Value
Mo100(d,n)Tc101	5216.40 keV

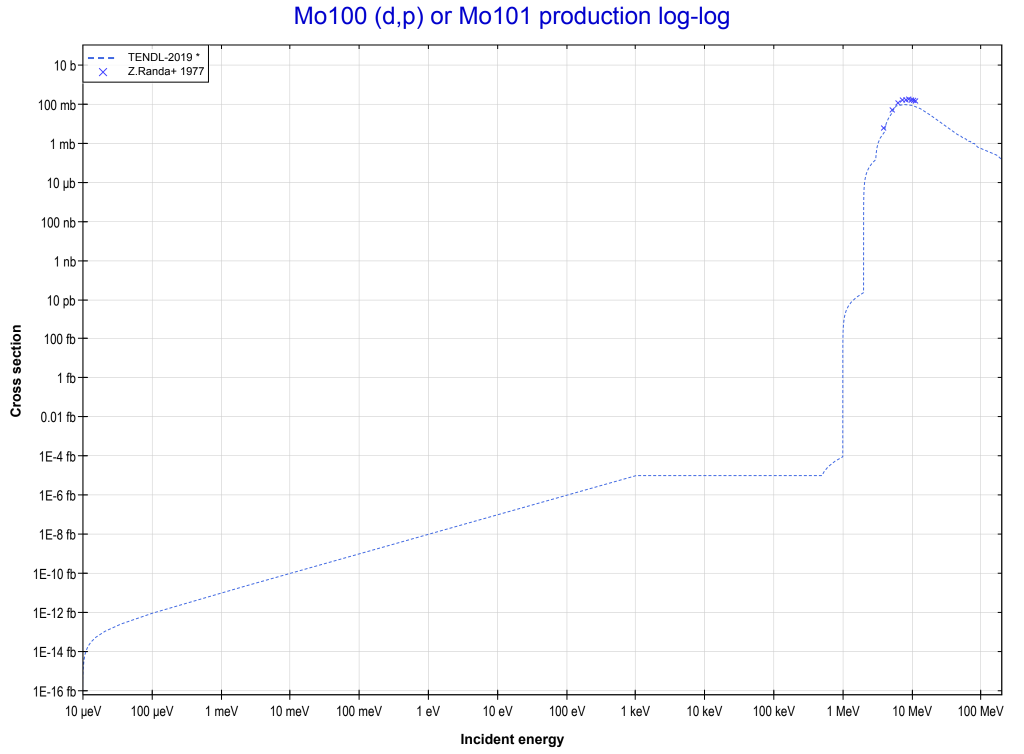
<< 40-Zr-91	**42-Mo-100**	48-Cd-112 >>
<< MT4 (d,n)	**MT17 (d,3n) or MT5 (Tc99 production)**	MT103 (d,p) >>

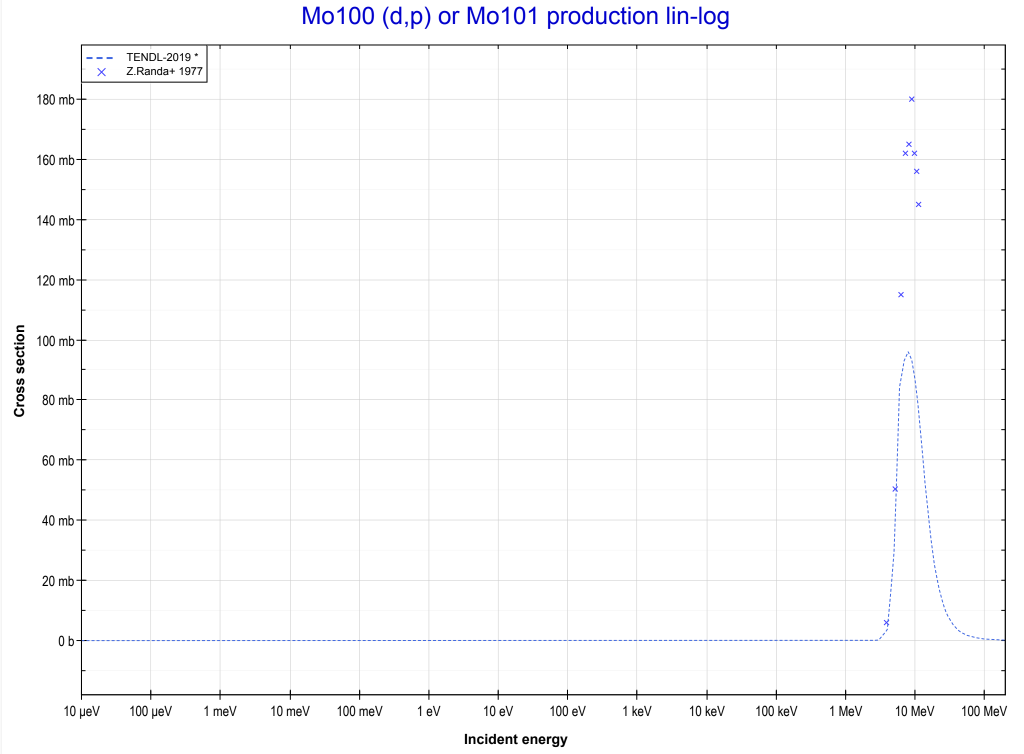




Reaction	Q-Value
Mo100(d,3n)Tc99	-9943.33 keV

<< 42-Mo-98	**42-Mo-100**	45-Rh-103 >>
<< MT17 (d,3n)	**MT103 (d,p) or MT5 (Mo101 production)**	45-Rh-103 MT11 (d,2n+d) >>

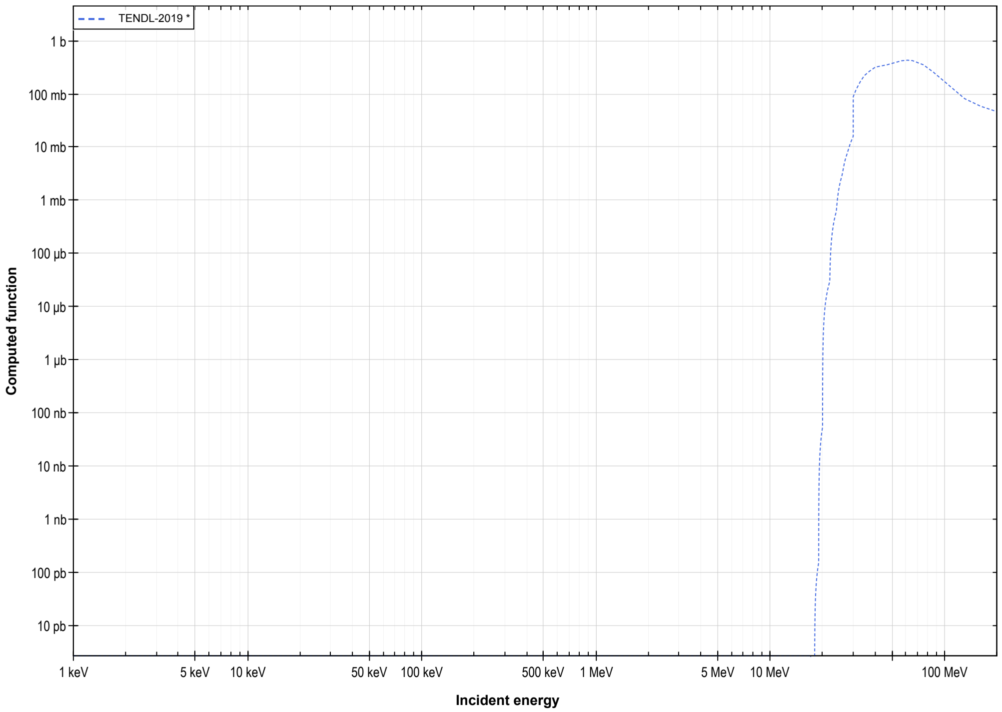




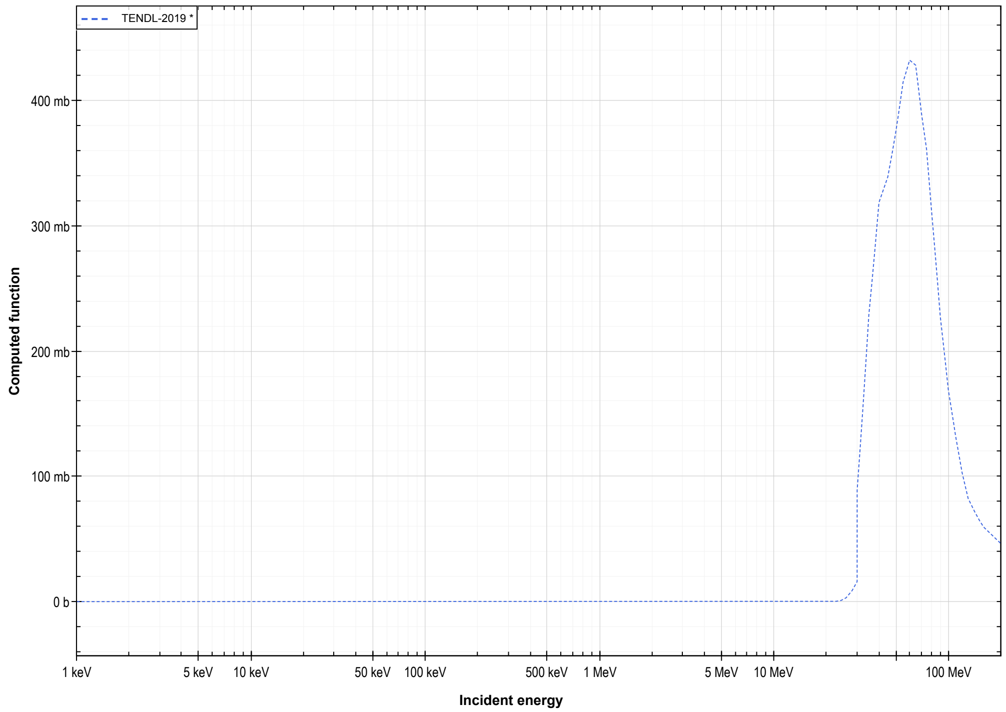
Reaction	Q-Value
Mo100(d,p)Mo101	3173.65 keV

<< 39-Y-89	**45-Rh-103**	79-Au-197 >>
<< 42-Mo-100 MT103 (d,p)	**MT11 (d,2n+d) or MT5 (Rh101 production)**	MT16 (d,2n) >>

Rh103 (d,2n+d) or Rh101 production log-log



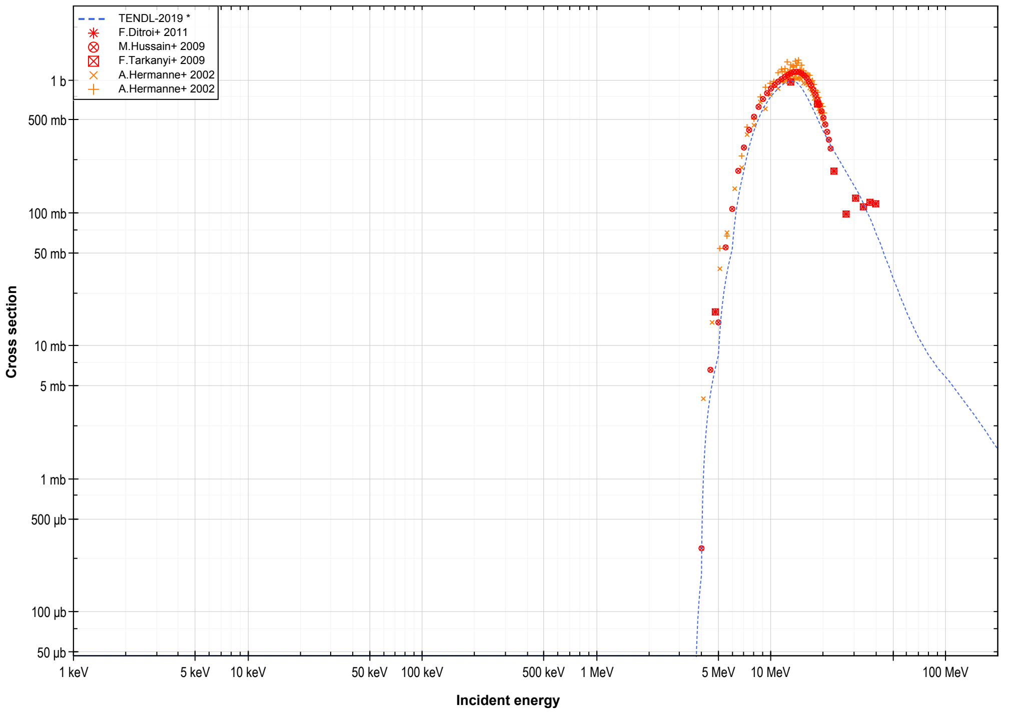
Rh103 (d,2n+d) or Rh101 production lin-log



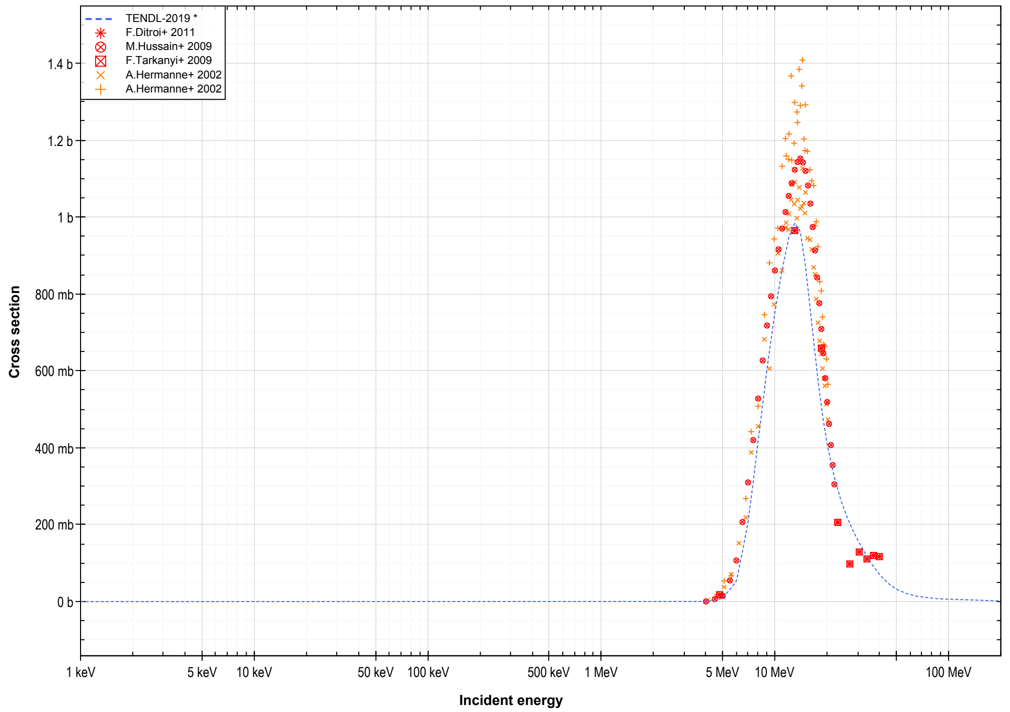
Reaction	Q-Value
Rh103(d,n+t)Rh101	-10505.11 keV
Rh103(d,2n+d)Rh101	-16762.33 keV
Rh103(d,3n+p)Rh101	-18986.90 keV

<< 42-Mo-94	**45-Rh-103**	46-Pd-110 >>
<< MT11 (d,2n+d)	**MT16 (d,2n) or MT5 (Pd103 production)**	MT32 (d,n+d) >>

Rh103 (d,2n) or Pd103 production log-log



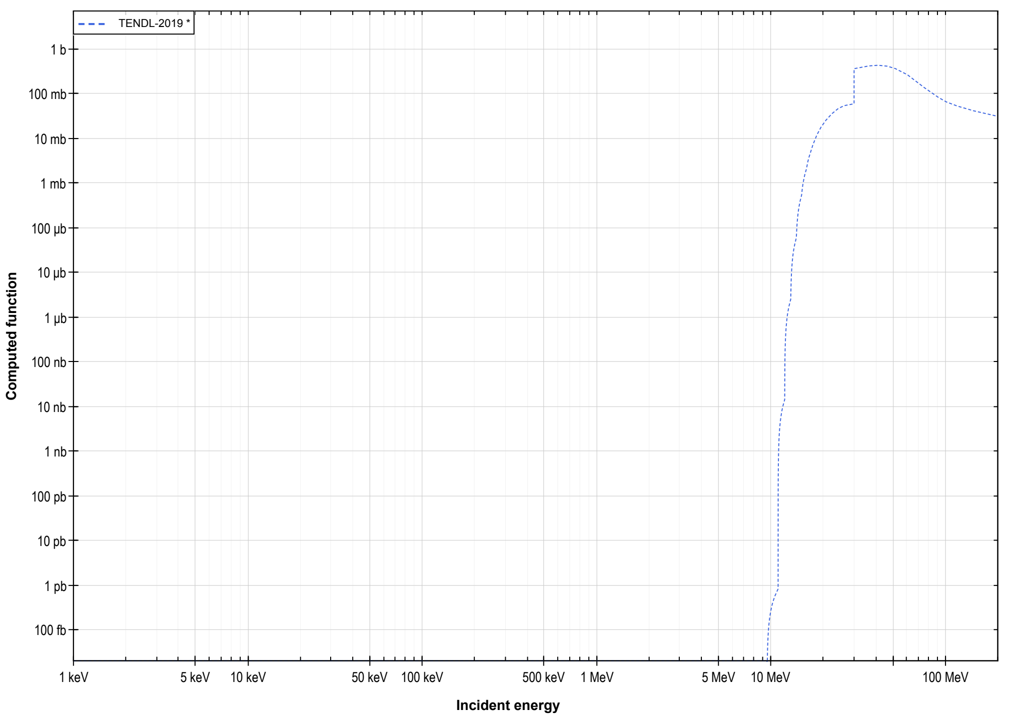
Rh103 (d,2n) or Pd103 production lin-log



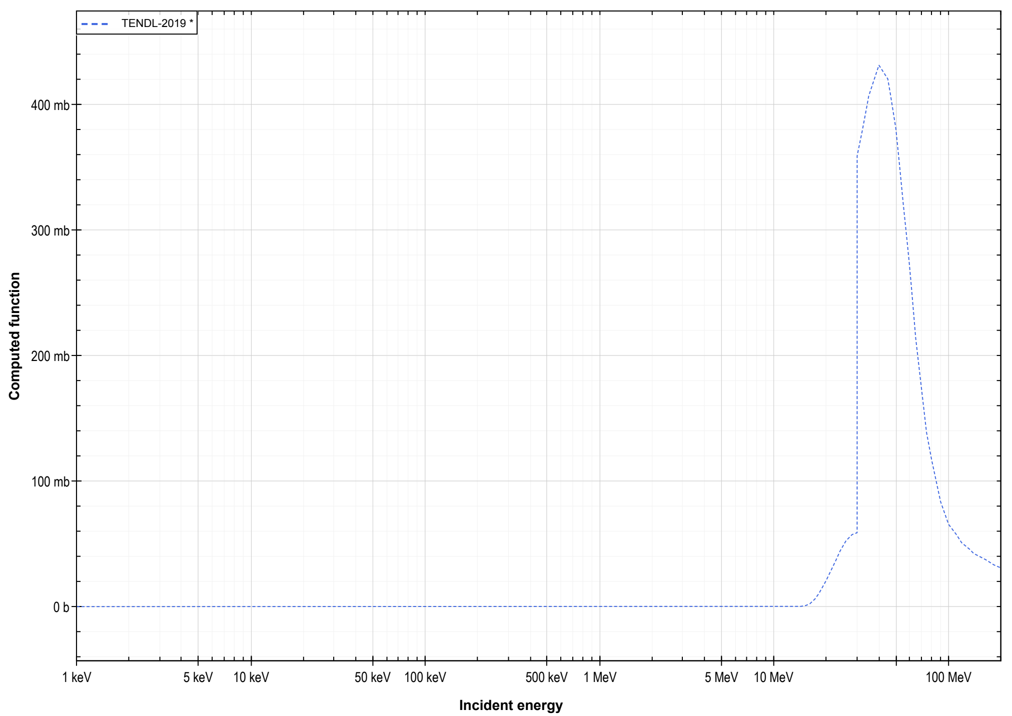
Reaction	Q-Value
Rh103(d,2n)Pd103	-3581.41 keV

<< 39-Y-89	**45-Rh-103**	47-Ag-107 >>
<< MT16 (d,2n)	**MT32 (d,n+d) or MT5 (Rh102 production)**	MT33 (d,n+t) >>

Rh103 (d,n+d) or Rh102 production log-log



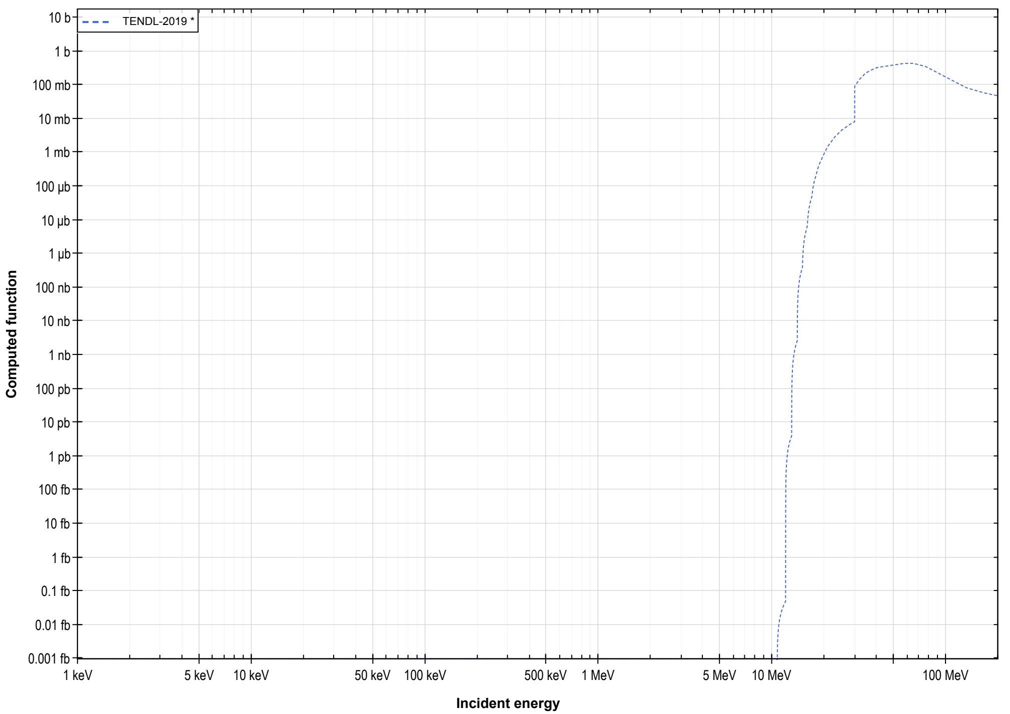
Rh103 (d,n+d) or Rh102 production lin-log



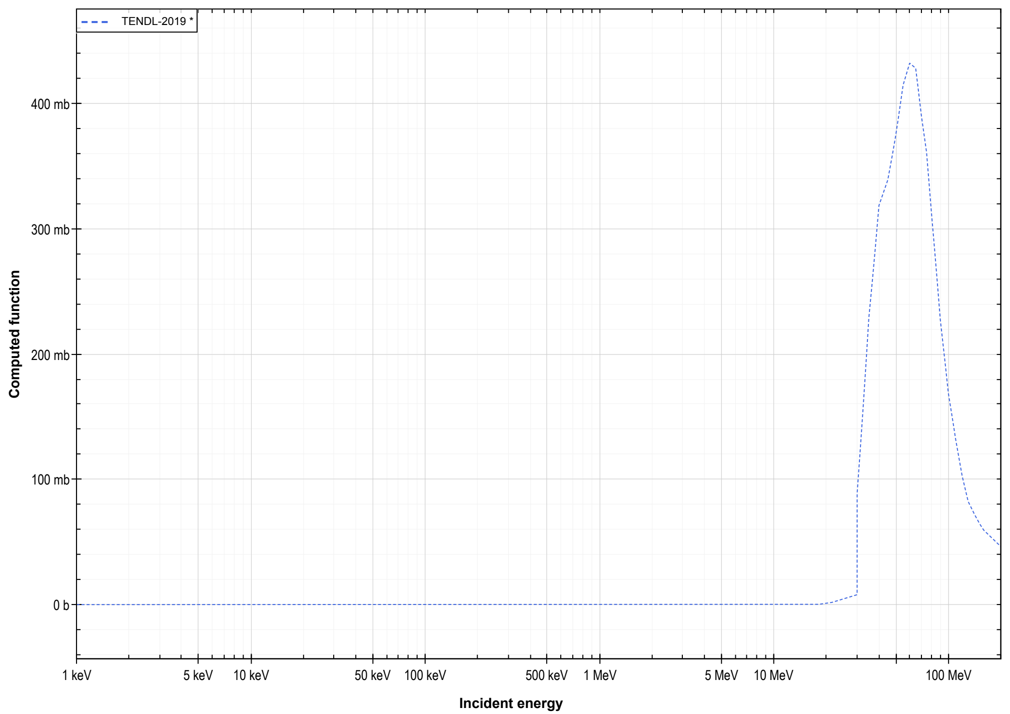
Reaction	Q-Value
Rh103(d,t)Rh102	-3062.79 keV
Rh103(d,n+d)Rh102	-9320.02 keV
Rh103(d,2n+p)Rh102	-11544.58 keV

<< 39-Y-89	**45-Rh-103**	79-Au-197 >>
<< MT32 (d,n+d)	**MT33 (d,n+t) or MT5 (Rh101 production)**	MT37 (d,4n) >>

Rh103 (d,n+t) or Rh101 production log-log

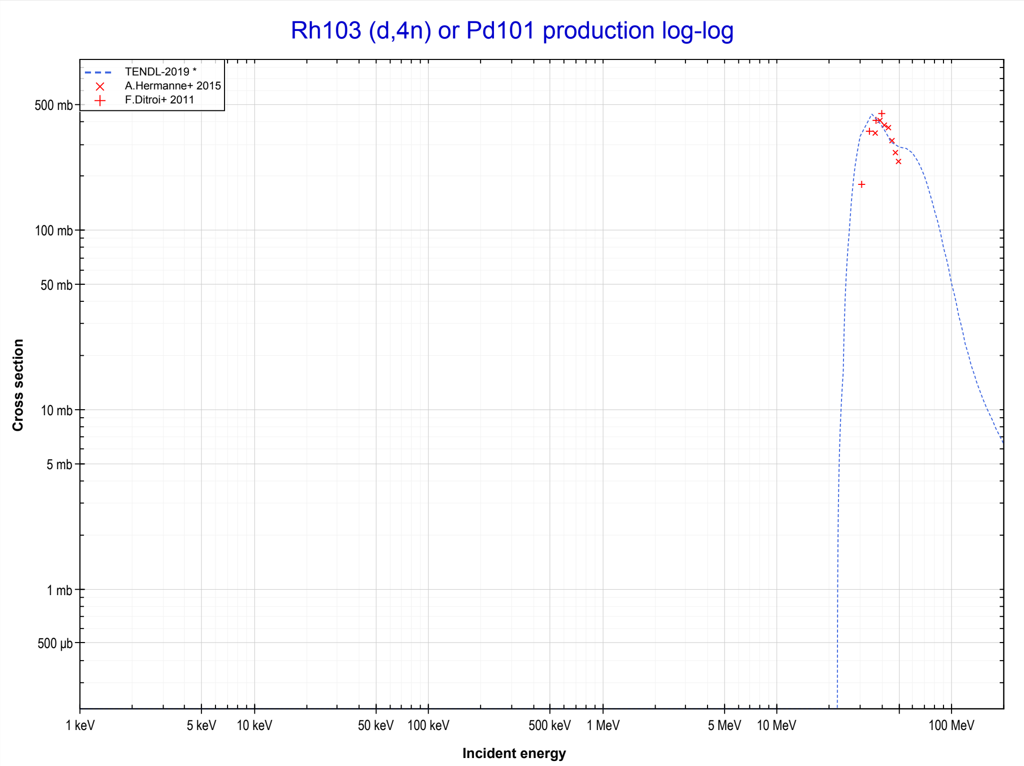


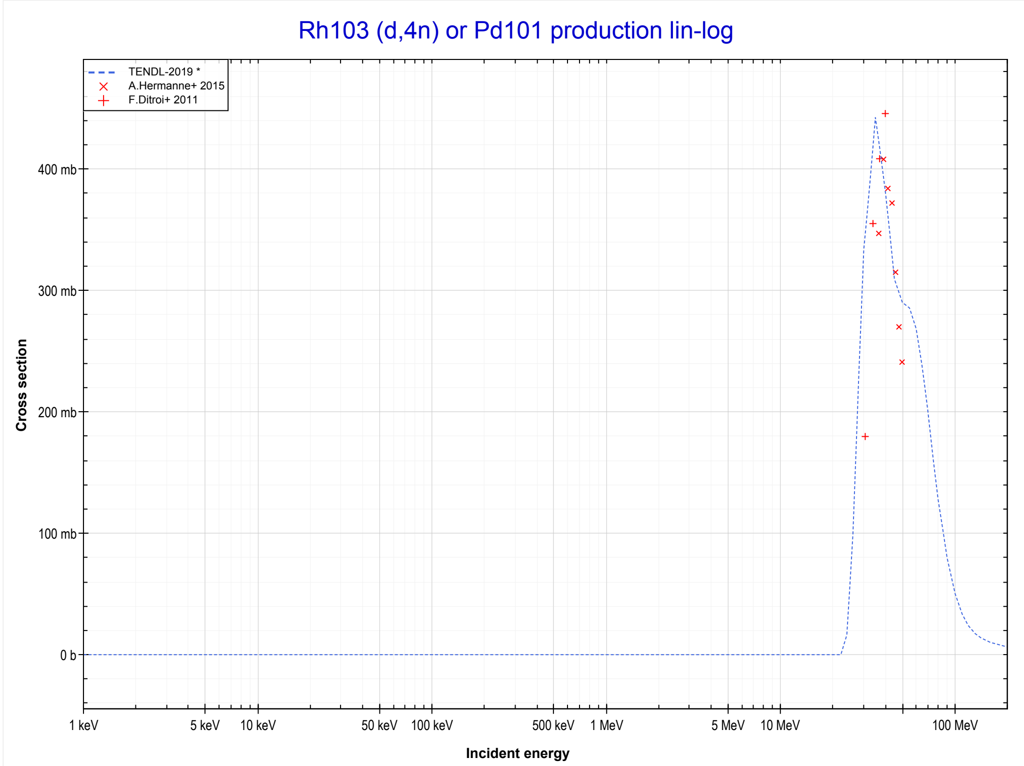
Rh103 (d,n+t) or Rh101 production lin-log



Reaction	Q-Value
Rh103(d,n+t)Rh101	-10505.11 keV
Rh103(d,2n+d)Rh101	-16762.33 keV
Rh103(d,3n+p)Rh101	-18986.90 keV

<< 39-Y-89	**45-Rh-103**	48-Cd-112 >>
<< MT33 (d,n+t)	**MT37 (d,4n) or MT5 (Pd101 production)**	MT41 (d,2n+p) >>

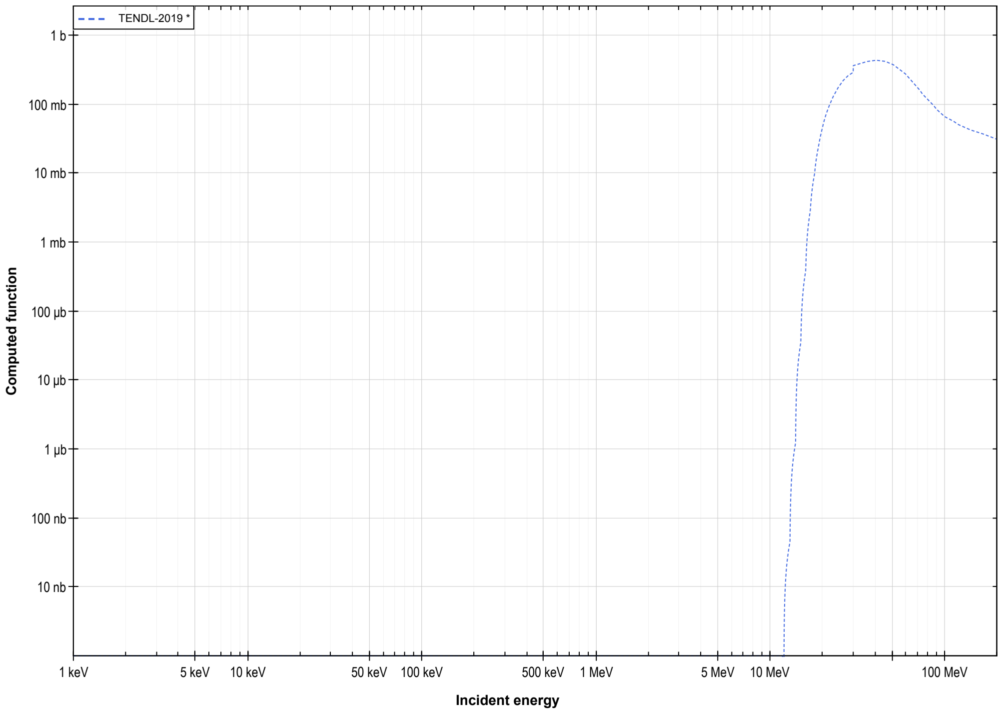




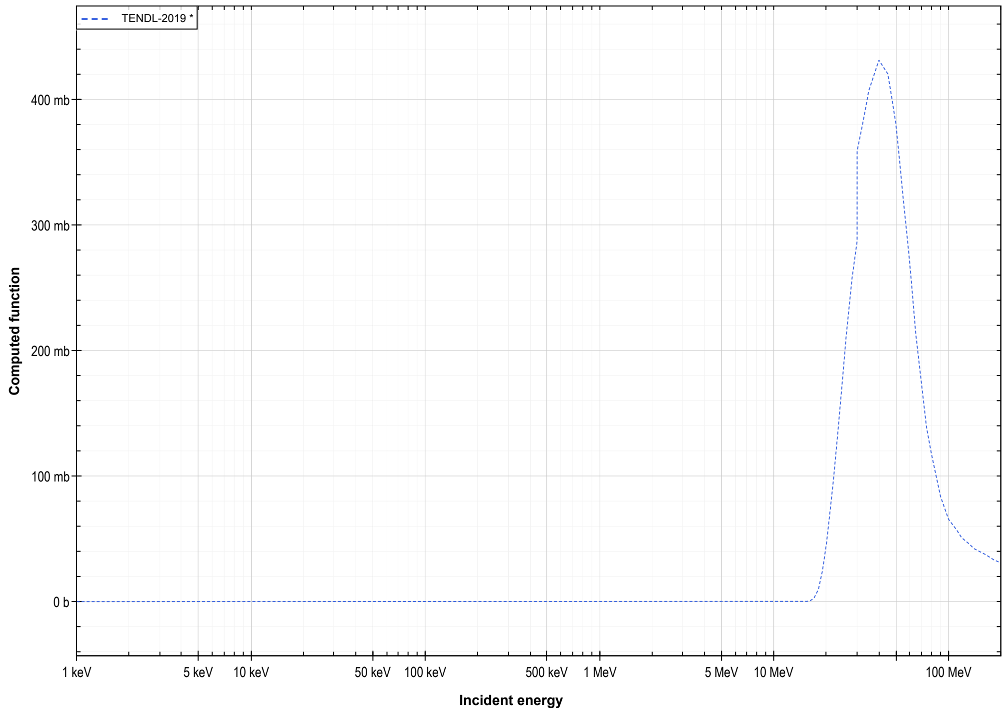
Reaction	Q-Value
Rh103(d,4n)Pd101	-21749.25 keV

<< 39-Y-89	**45-Rh-103**	47-Ag-107 >>
<< MT37 (d,4n)	**MT41 (d,2n+p) or MT5 (Rh102 production)**	MT42 (d,3n+p) >>

Rh103 (d,2n+p) or Rh102 production log-log



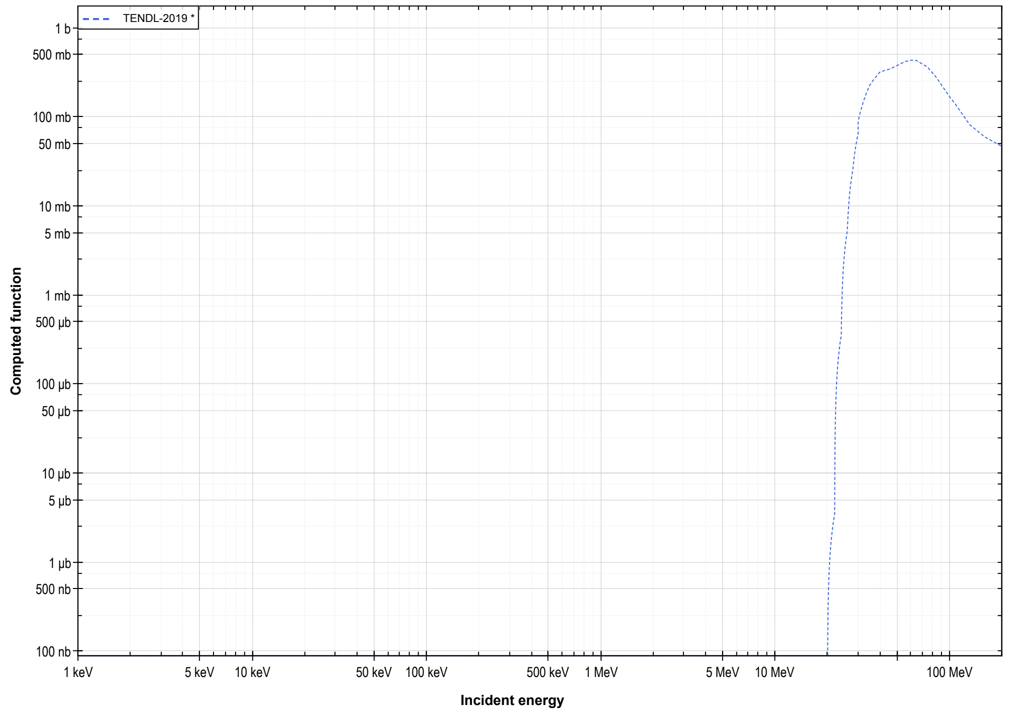
Rh103 (d,2n+p) or Rh102 production lin-log



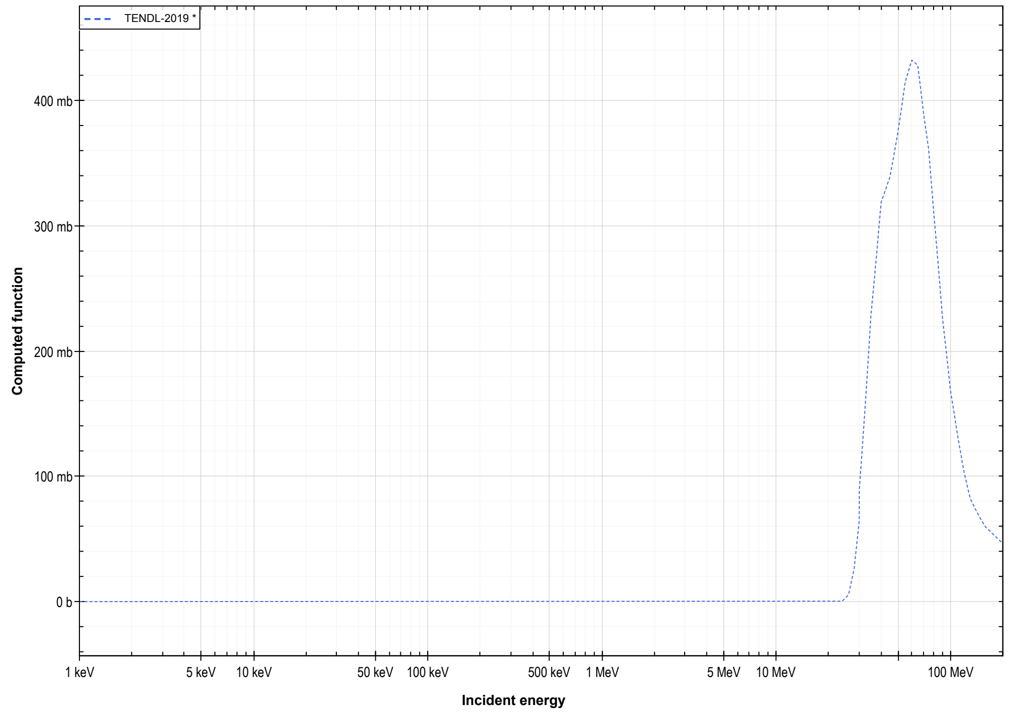
Reaction	Q-Value
Rh103(d,t)Rh102	-3062.79 keV
Rh103(d,n+d)Rh102	-9320.02 keV
Rh103(d,2n+p)Rh102	-11544.58 keV

<< 39-Y-89	**45-Rh-103**	79-Au-197 >>
<< MT41 (d,2n+p)	**MT42 (d,3n+p) or MT5 (Rh101 production)**	MT103 (d,p) >>

Rh103 (d,3n+p) or Rh101 production log-log

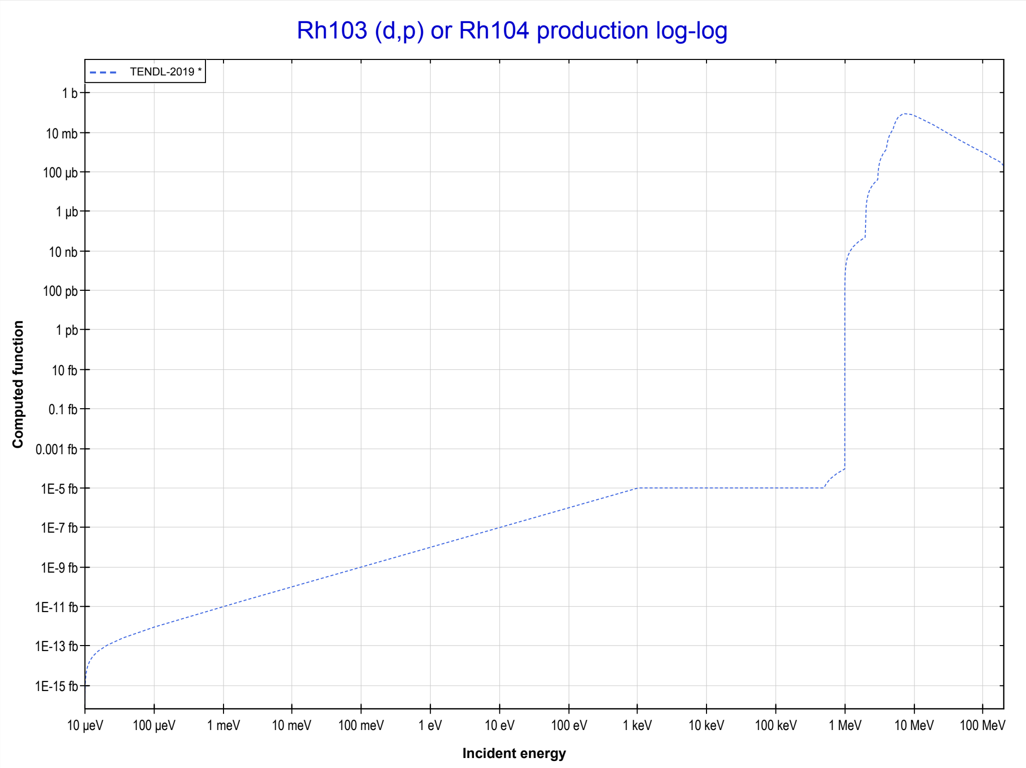


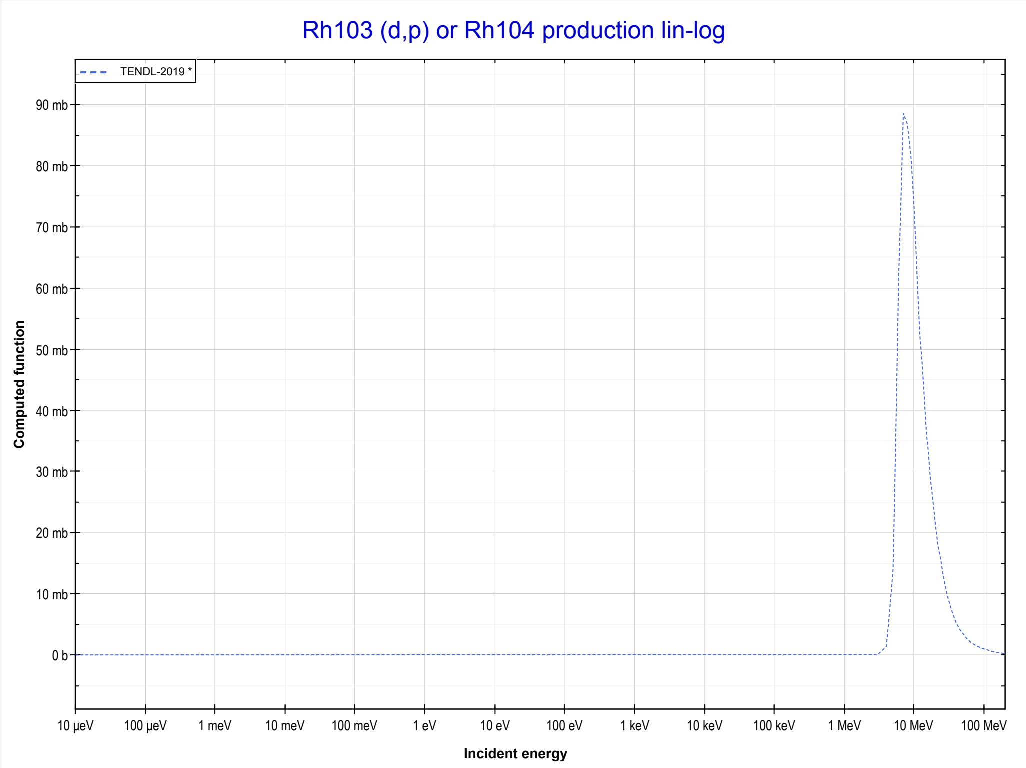
Rh103 (d,3n+p) or Rh101 production lin-log



Reaction	Q-Value
Rh103(d,n+t)Rh101	-10505.11 keV
Rh103(d,2n+d)Rh101	-16762.33 keV
Rh103(d,3n+p)Rh101	-18986.90 keV

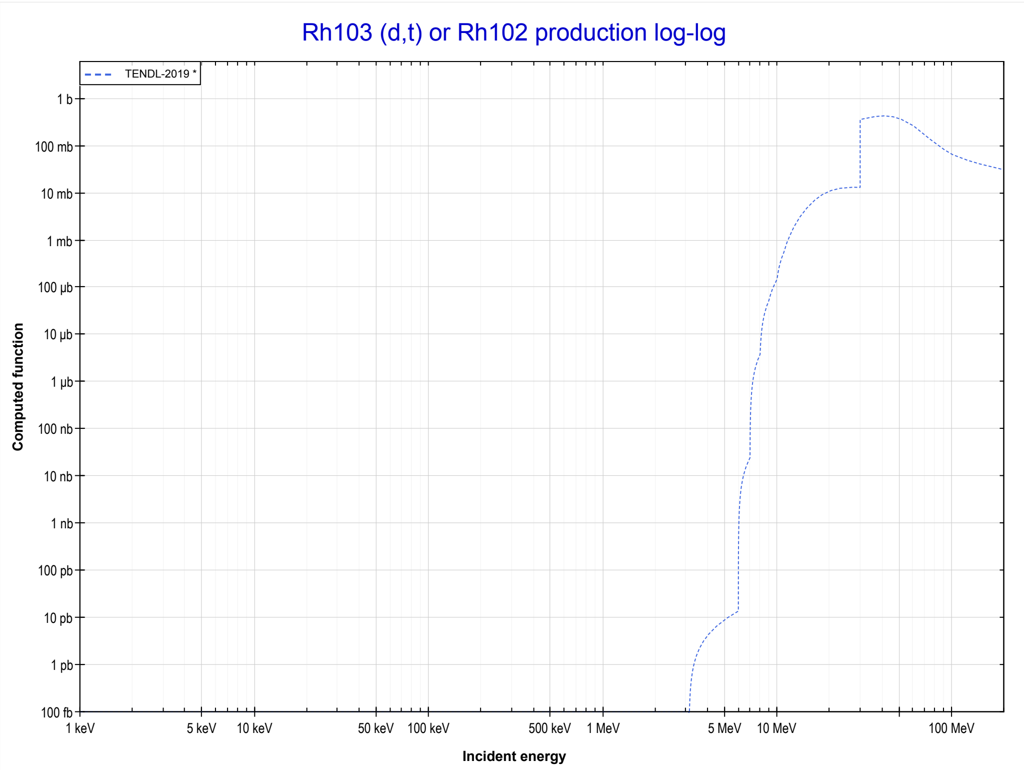
<< 42-Mo-100	**45-Rh-103**	46-Pd-110 >>
<< MT42 (d,3n+p)	**MT103 (d,p) or MT5 (Rh104 production)**	MT105 (d,t) >>

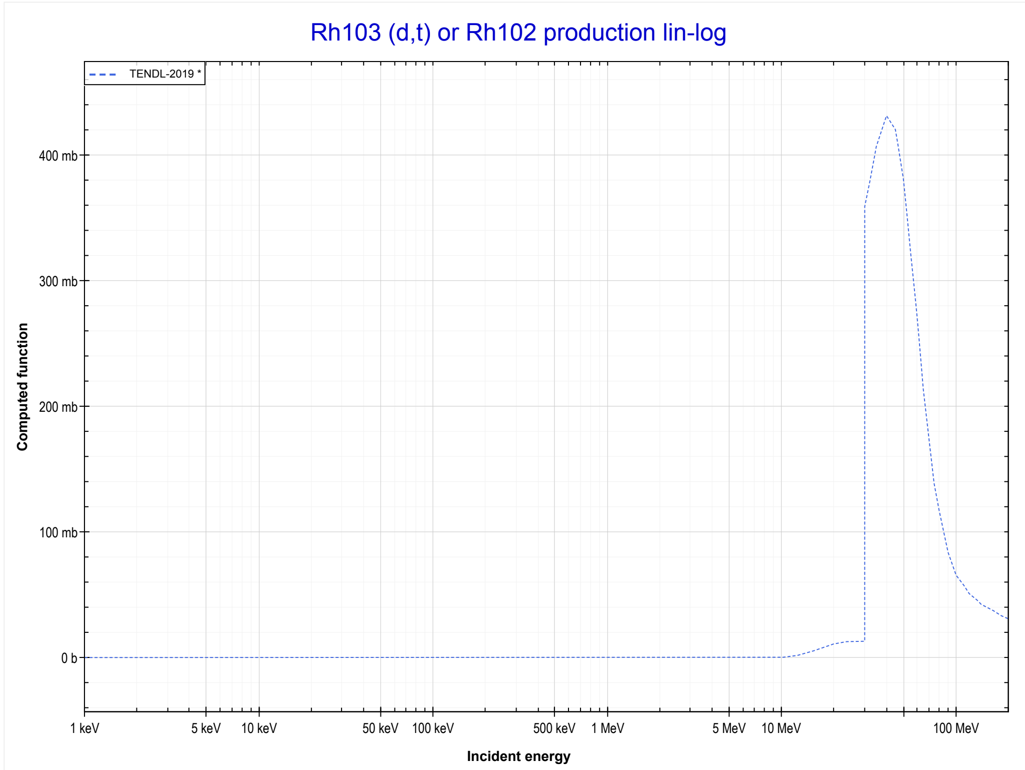




Reaction	Q-Value
Rh103(d,p)Rh104	4774.35 keV

<< 40-Zr-90	**45-Rh-103**	47-Ag-107 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Rh102 production)**	MT111 (d,2p) >>

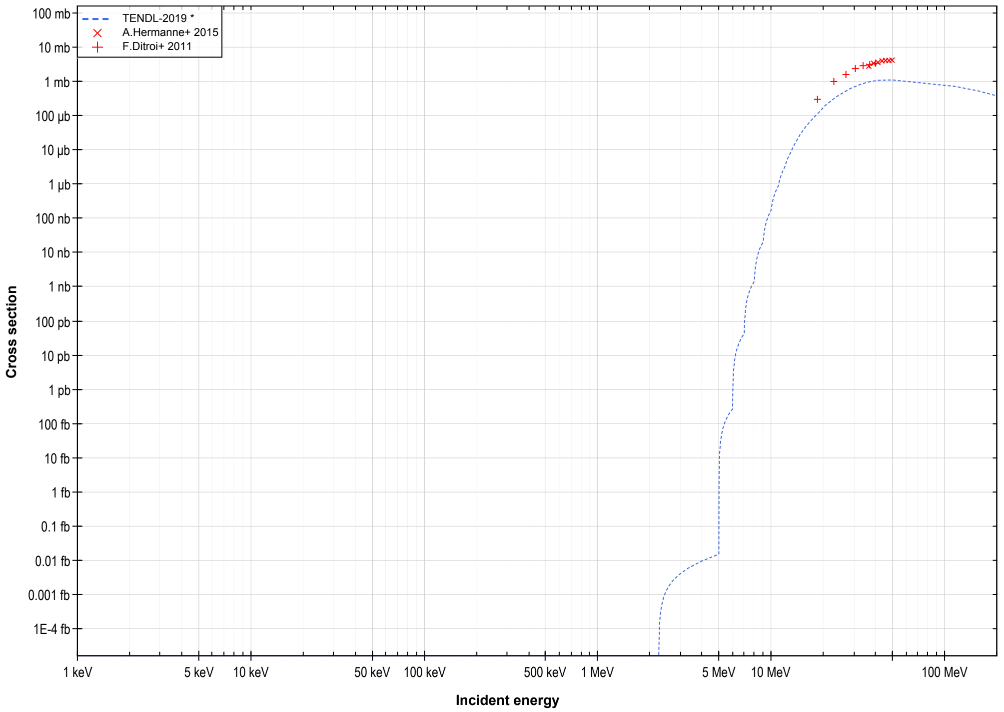




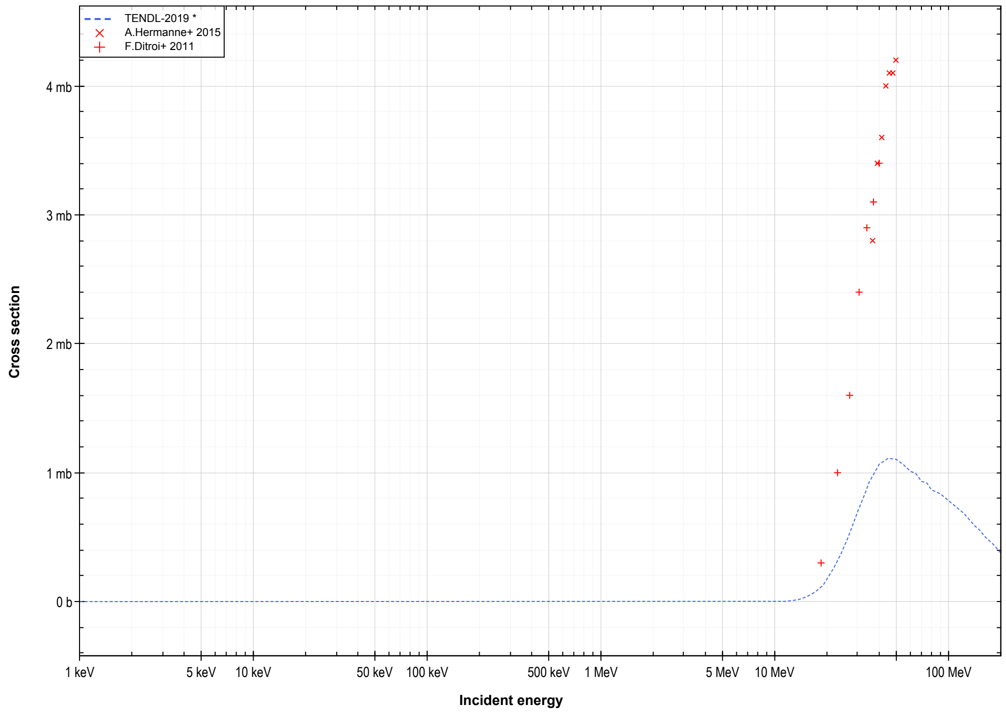
Reaction	Q-Value
Rh103(d,t)Rh102	-3062.79 keV
Rh103(d,n+d)Rh102	-9320.02 keV
Rh103(d,2n+p)Rh102	-11544.58 keV

<< 39-Y-89	**45-Rh-103**	47-Ag-109 >>
<< MT105 (d,t)	**MT111 (d,2p) or MT5 (Ru103 production)**	MT152 (d,5n) >>

Rh103 (d,2p) or Ru103 production log-log

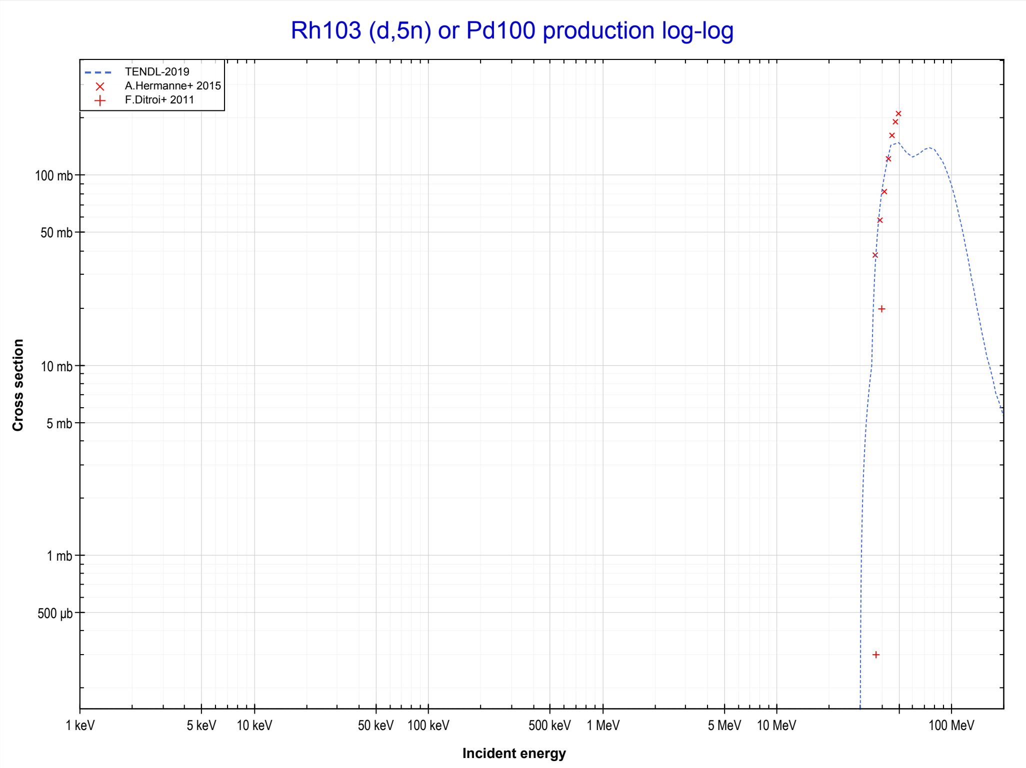


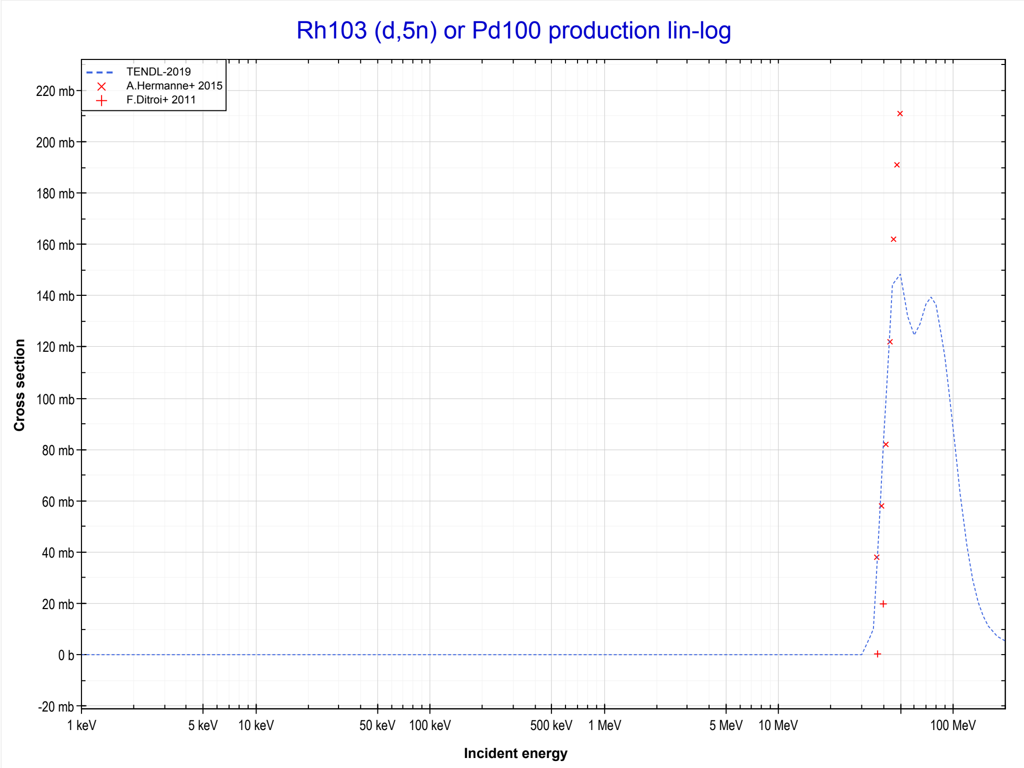
Rh103 (d,2p) or Ru103 production lin-log



Reaction	Q-Value
Rh103(d,2p)Ru103	-2206.72 keV

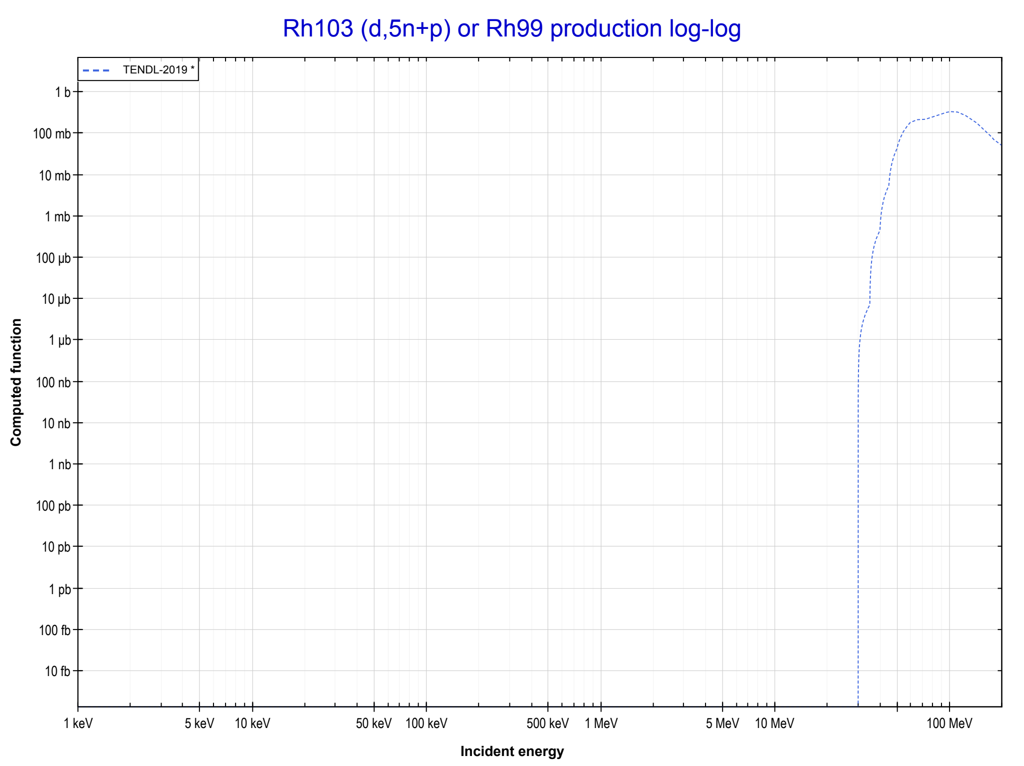
<< 41-Nb-93	**45-Rh-103**	48-Cd-112 >>
<< MT111 (d,2p)	**MT152 (d,5n) or MT5 (Pd100 production)**	MT162 (d,5n+p) >>

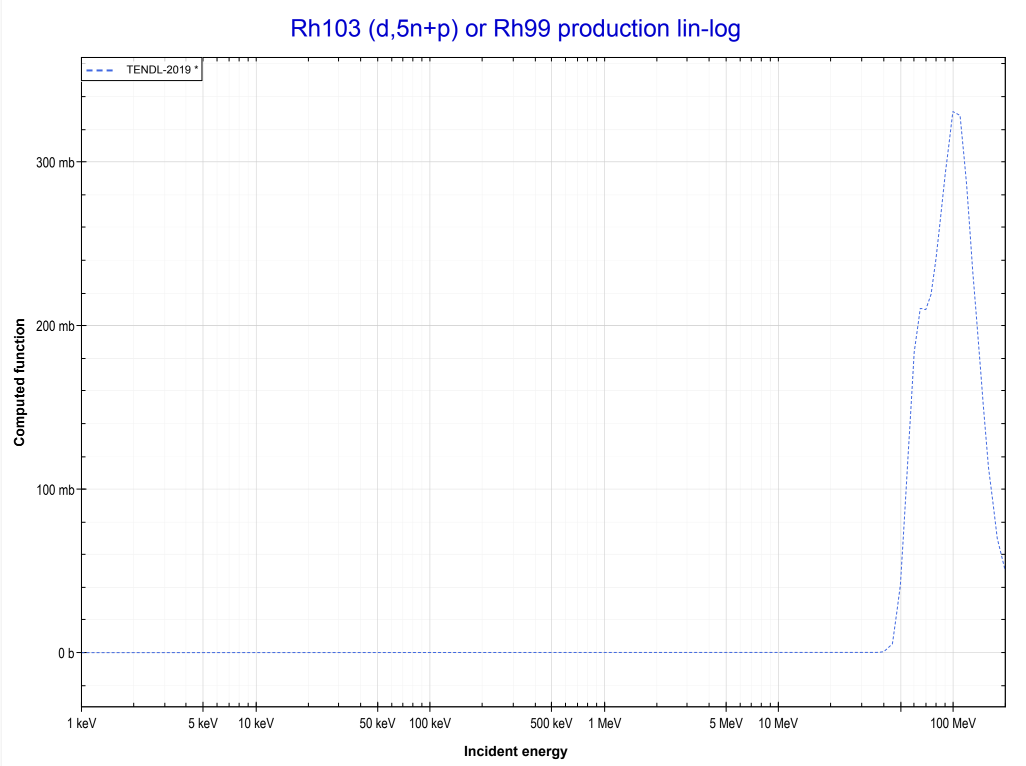




Reaction	Q-Value
Rh103(d,5n)Pd100	-30039.56 keV

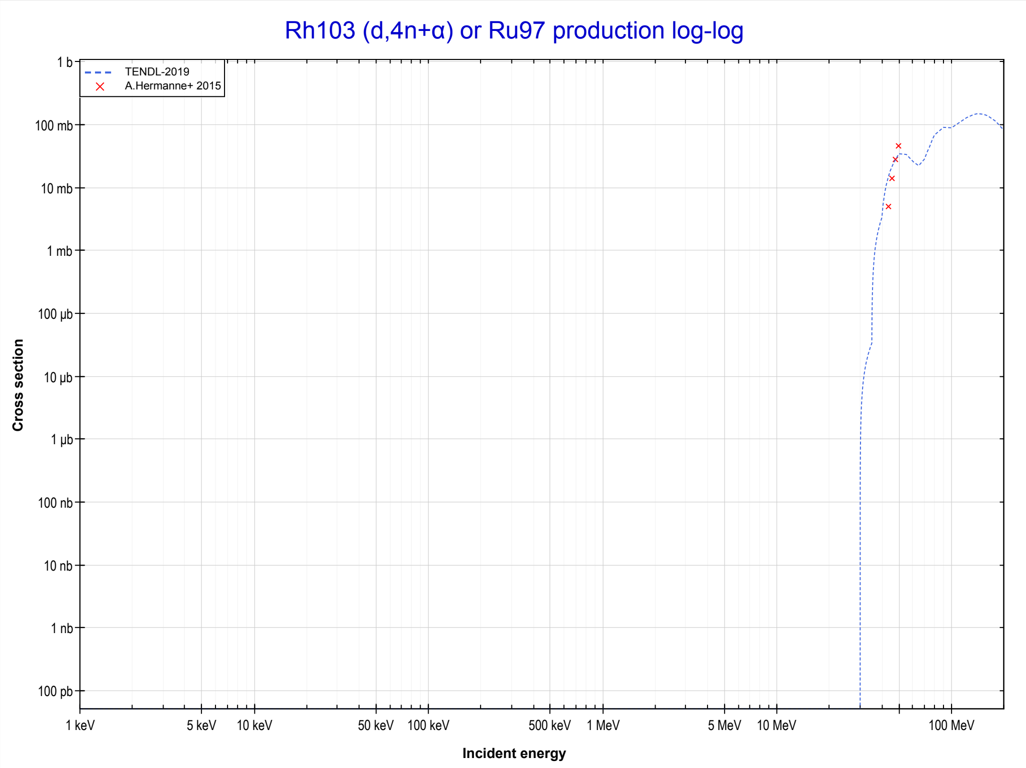
	45-Rh-103	53-I-127 >>
<< MT152 (d,5n)	**MT162 (d,5n+p) or MT5 (Rh99 production)**	MT165 (d,4n+α) >>

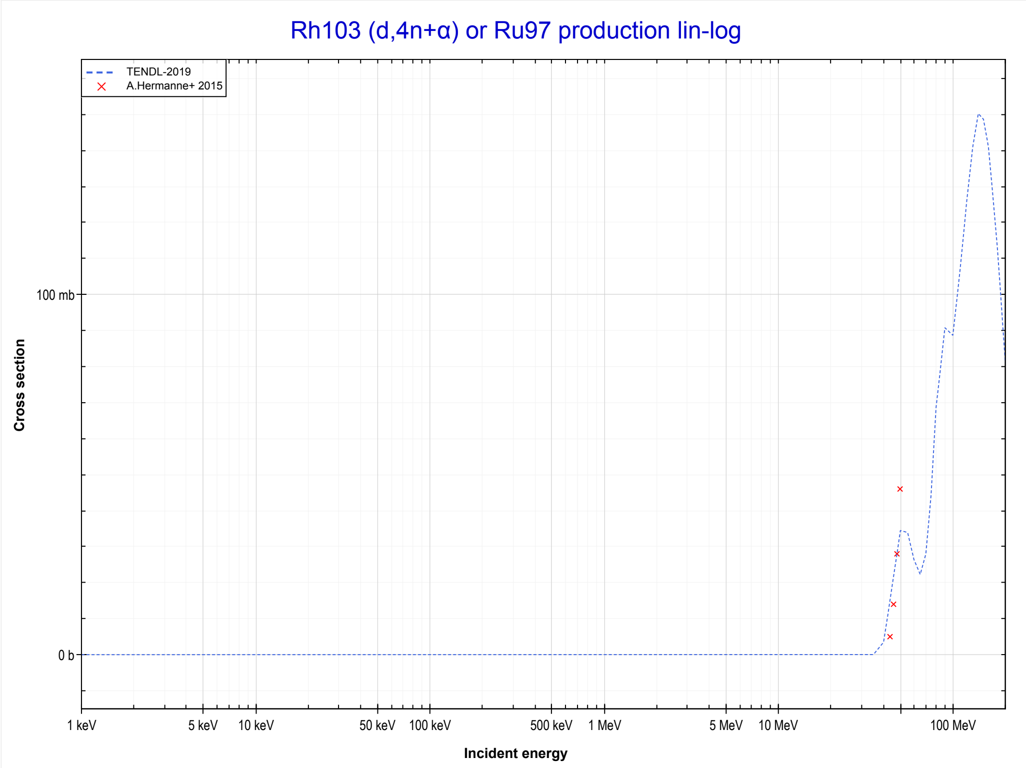




Reaction	Q-Value
Rh103(d,3n+t)Rh99	-28478.74 keV
Rh103(d,4n+d)Rh99	-34735.97 keV
Rh103(d,5n+p)Rh99	-36960.53 keV

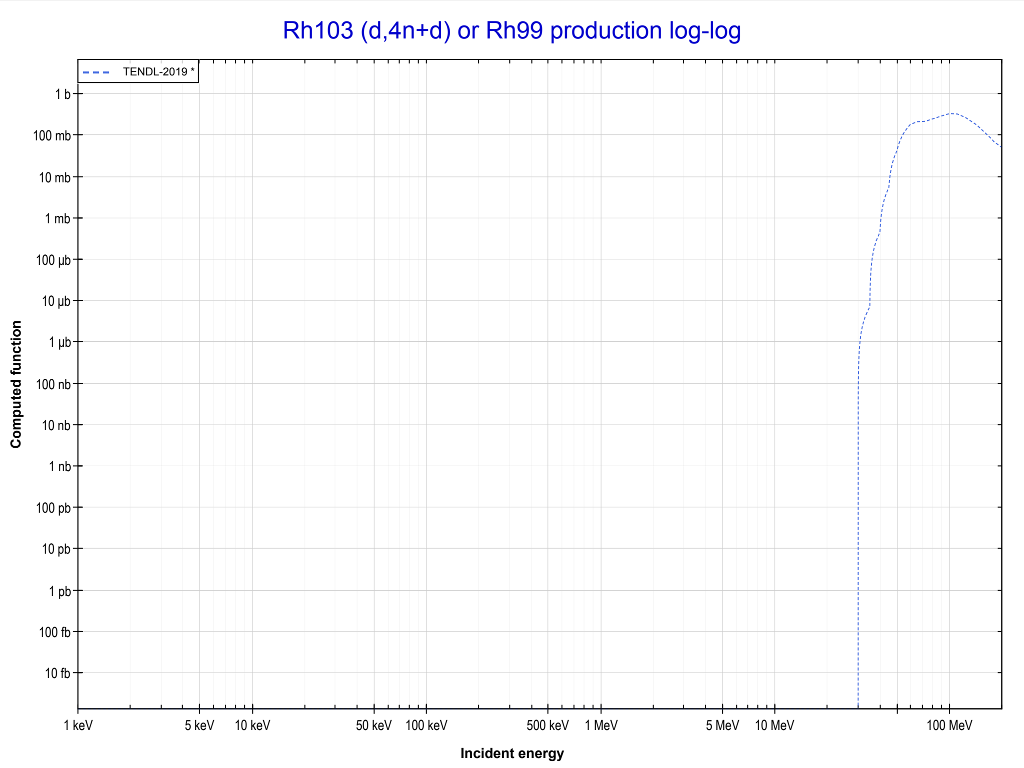
<< MT162 (d,5n+p)	45-Rh-103	48-Cd-112 >>
	MT165 (d,4n+α) or MT5 (Ru97 production)	MT169 (d,4n+d) >>

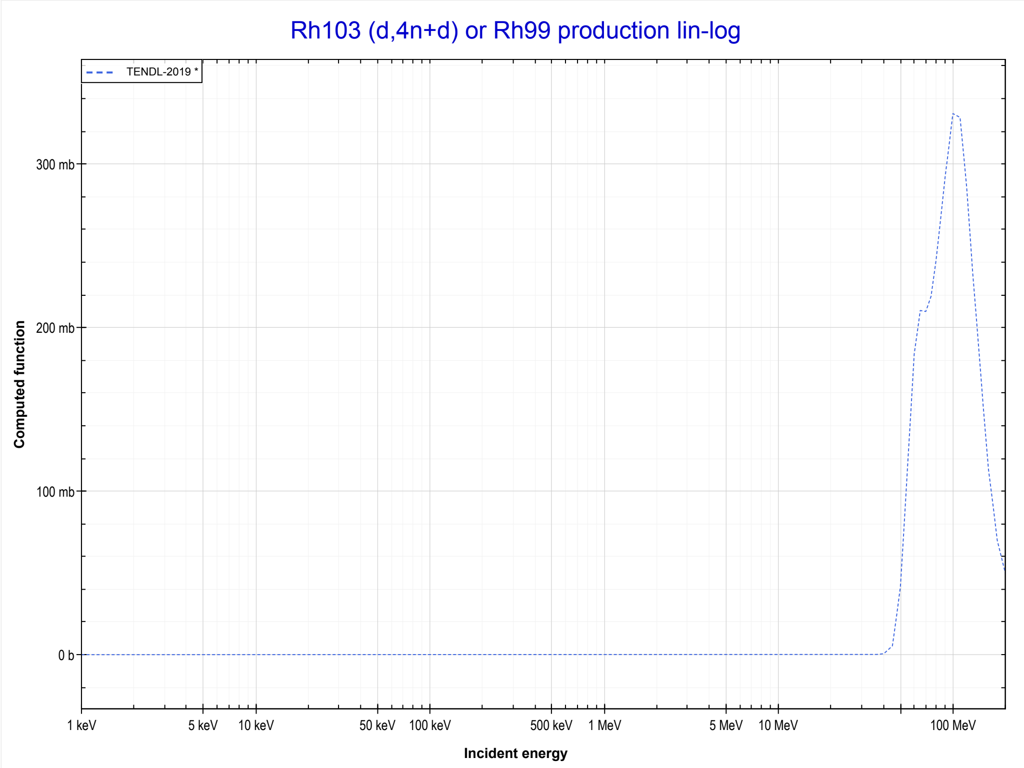




Reaction	Q-Value
Rh103(d,4n+α)Ru97	-23485.56 keV
Rh103(d,2n+2t)Ru97	-34817.63 keV
Rh103(d,3n+d+t)Ru97	-41074.86 keV
Rh103(d,4n+p+t)Ru97	-43299.43 keV
Rh103(d,5n+He3)Ru97	-44063.18 keV
Rh103(d,4n+2d)Ru97	-47332.09 keV
Rh103(d,5n+p+d)Ru97	-49556.66 keV
Rh103(d,6n+2p)Ru97	-51781.22 keV

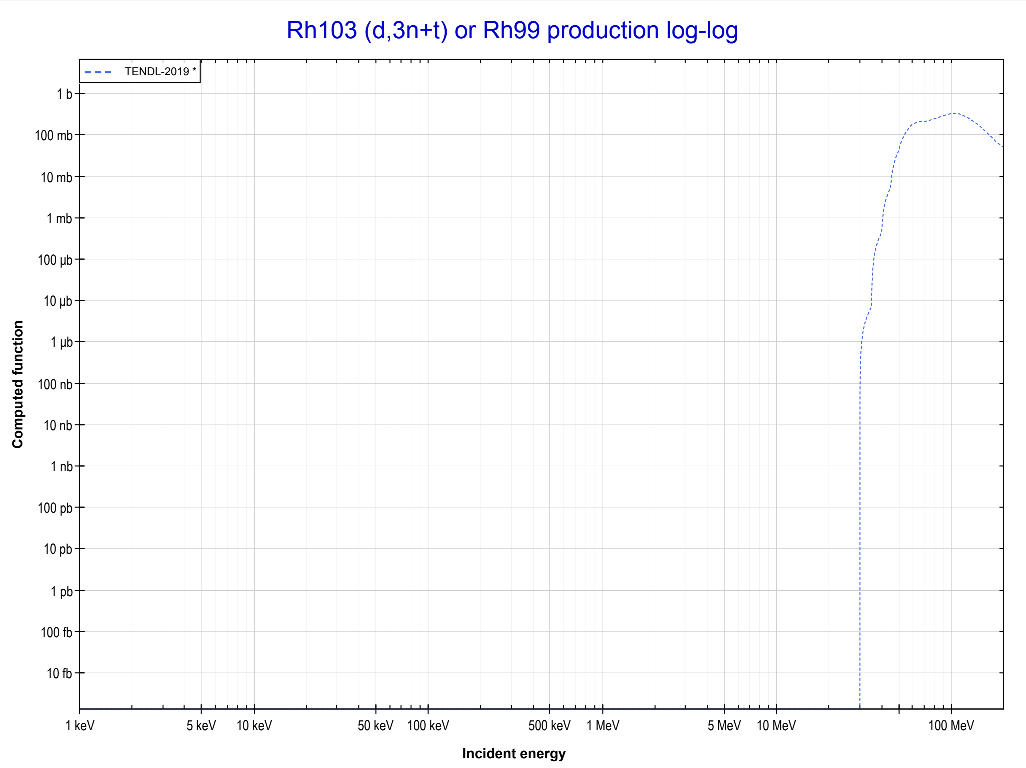
	45-Rh-103	53-I-127 >>
<< MT165 (d,4n+α)	**MT169 (d,4n+d) or MT5 (Rh99 production)**	MT172 (d,3n+t) >>

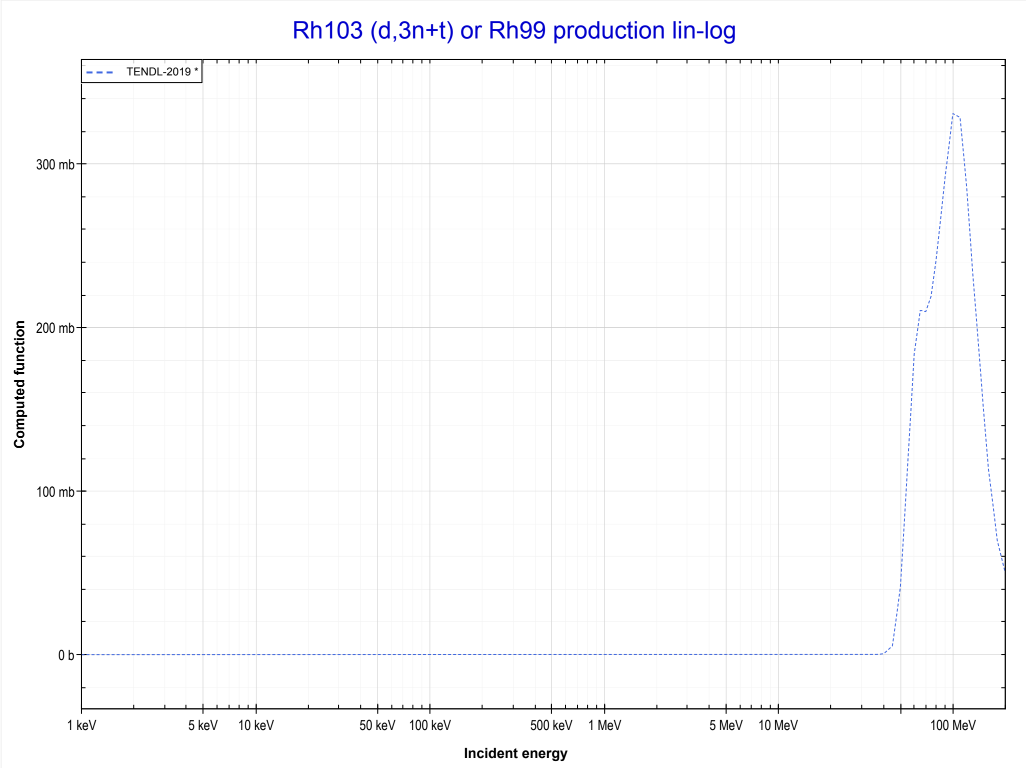




Reaction	Q-Value
Rh103(d,3n+t)Rh99	-28478.74 keV
Rh103(d,4n+d)Rh99	-34735.97 keV
Rh103(d,5n+p)Rh99	-36960.53 keV

	45-Rh-103	53-I-127 >>
<< MT169 (d,4n+d)	**MT172 (d,3n+t) or MT5 (Rh99 production)**	46-Pd-110 MT4 (d,n) >>

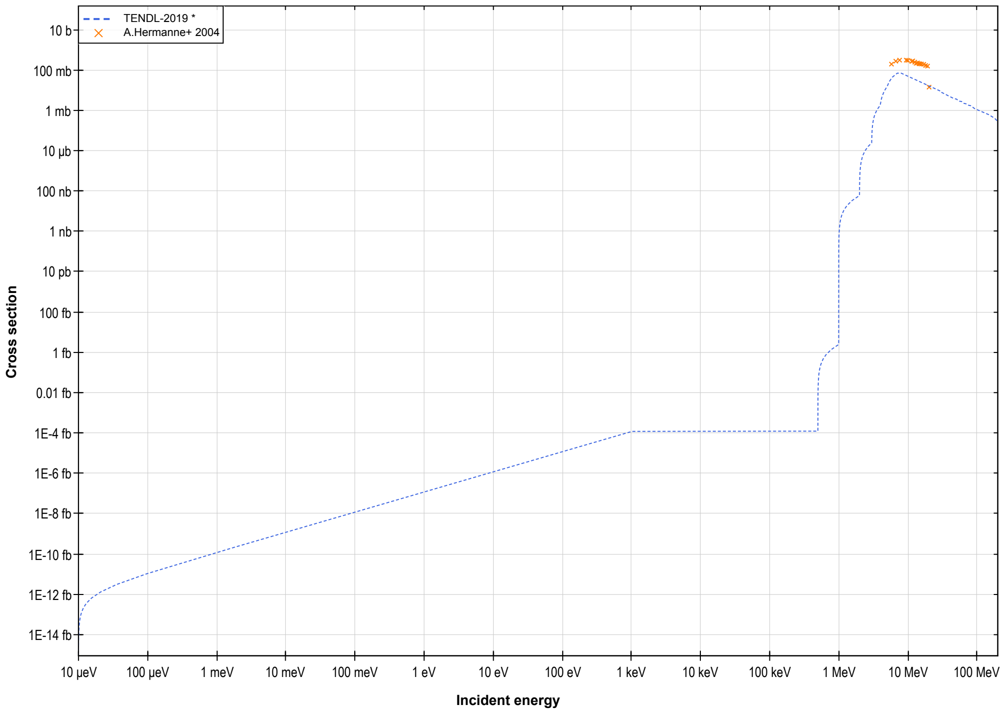




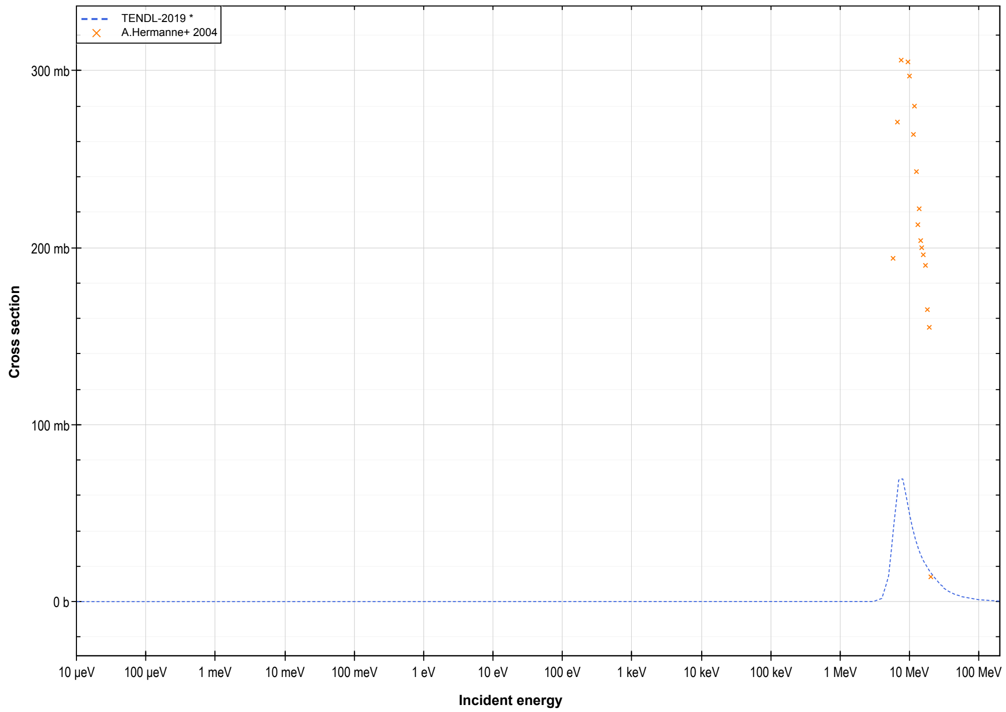
Reaction	Q-Value
Rh103(d,3n+t)Rh99	-28478.74 keV
Rh103(d,4n+d)Rh99	-34735.97 keV
Rh103(d,5n+p)Rh99	-36960.53 keV

<< 42-Mo-100	**46-Pd-110**	48-Cd-114 >>
<< 45-Rh-103 MT172 (d,3n+t)	**MT4 (d,n) or MT5 (Ag111 production)**	MT16 (d,2n) >>

Pd110 (d,n) or Ag111 production log-log



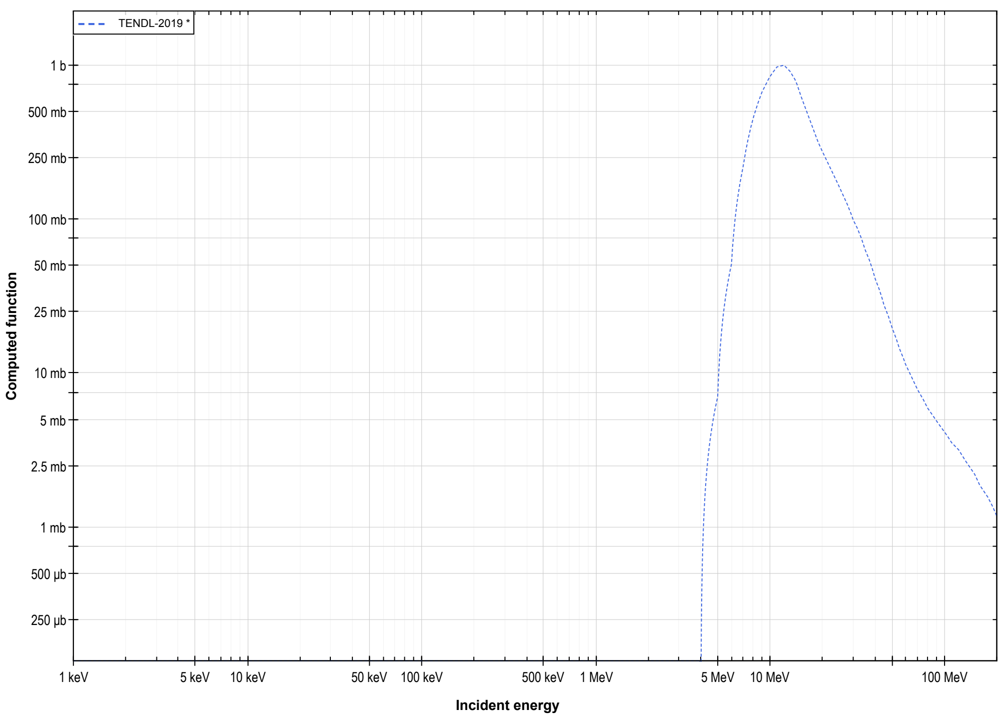
Pd110 (d,n) or Ag111 production lin-log



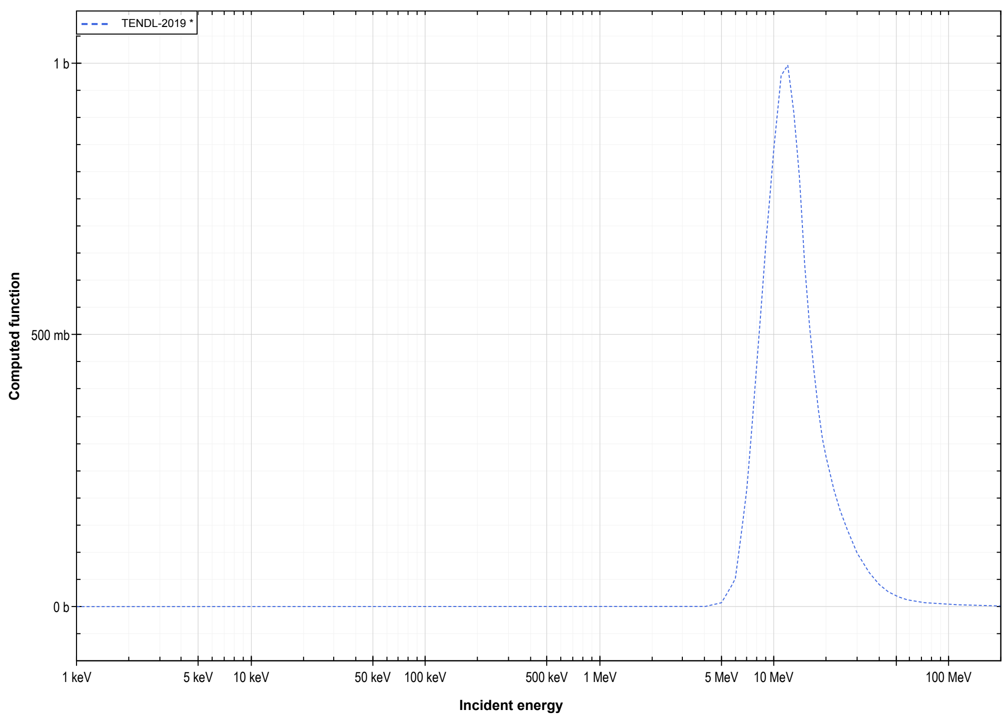
Reaction	Q-Value
Pd110(d,n)Ag111	4948.90 keV

<< 45-Rh-103	**46-Pd-110**	47-Ag-107 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Ag110 production)**	MT103 (d,p) >>

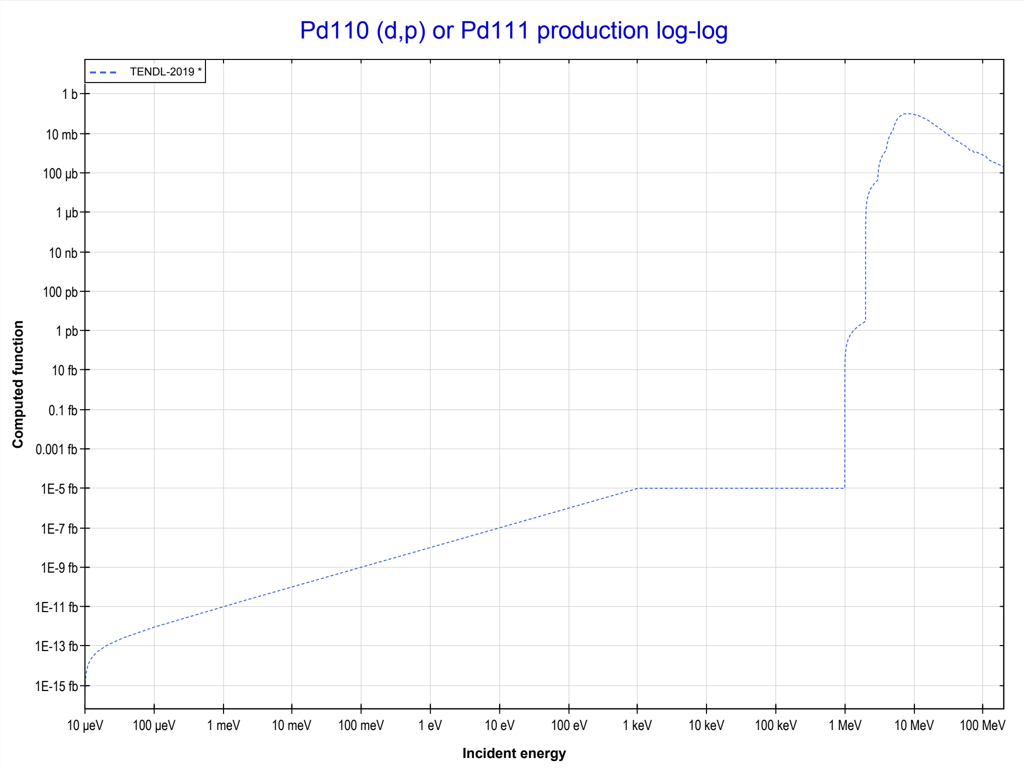
Pd110 (d,2n) or Ag110 production log-log

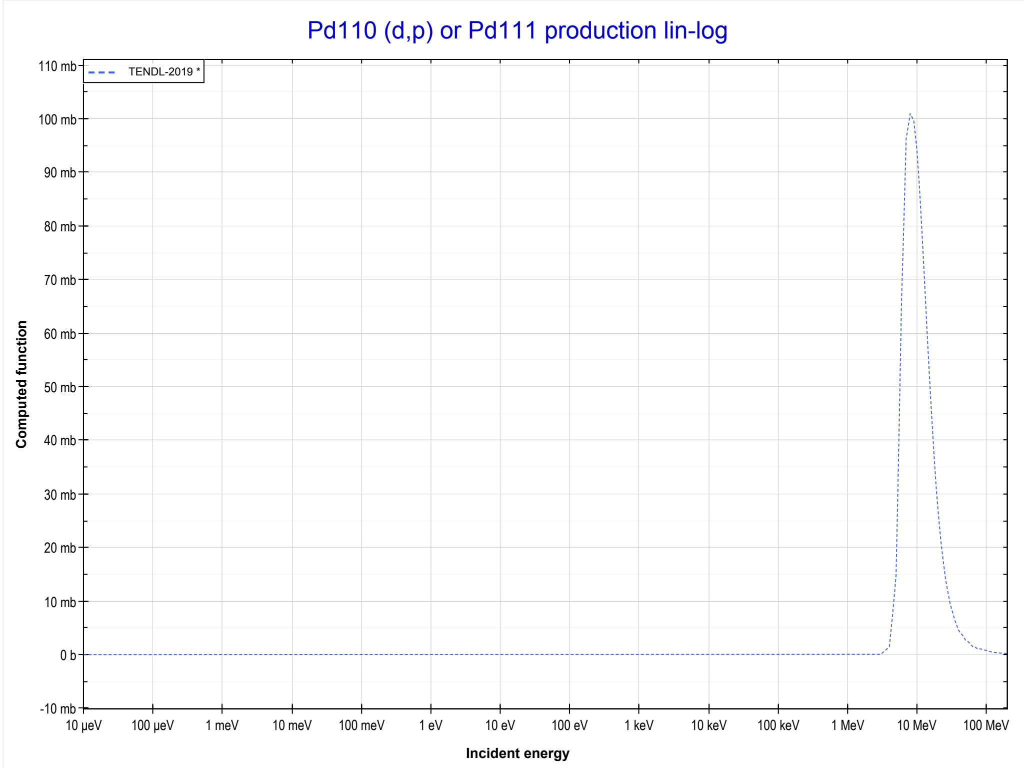


Pd110 (d,2n) or Ag110 production lin-log



Reaction	Q-Value
Pd110(d,2n)Ag110	-3880.51 keV

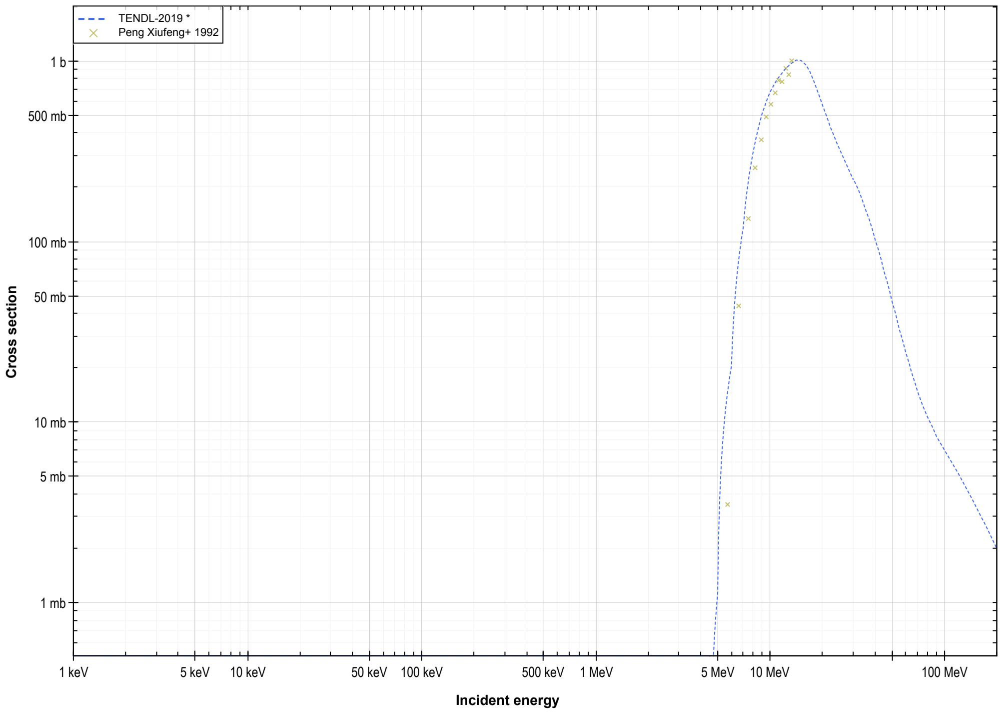




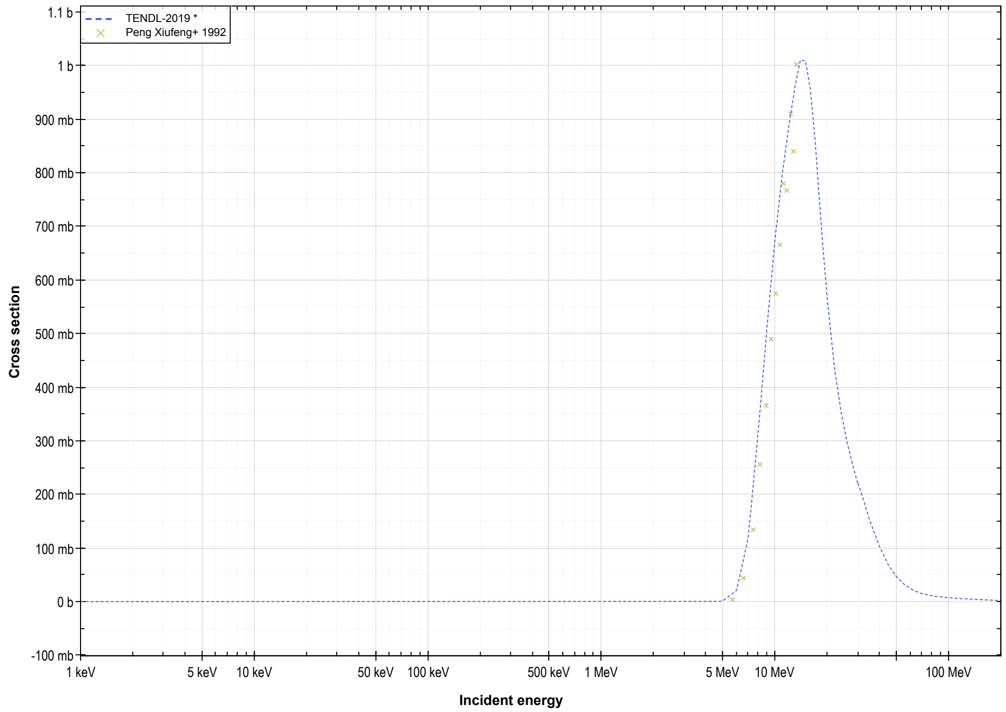
Reaction	Q-Value
Pd110(d,p)Pd111	3501.75 keV

<< 46-Pd-110	**47-Ag-107**	47-Ag-109 >>
<< 46-Pd-110 MT103 (d,p)	**MT16 (d,2n) or MT5 (Cd107 production)**	MT24 (d,2n+α) >>

Ag107 (d,2n) or Cd107 production log-log

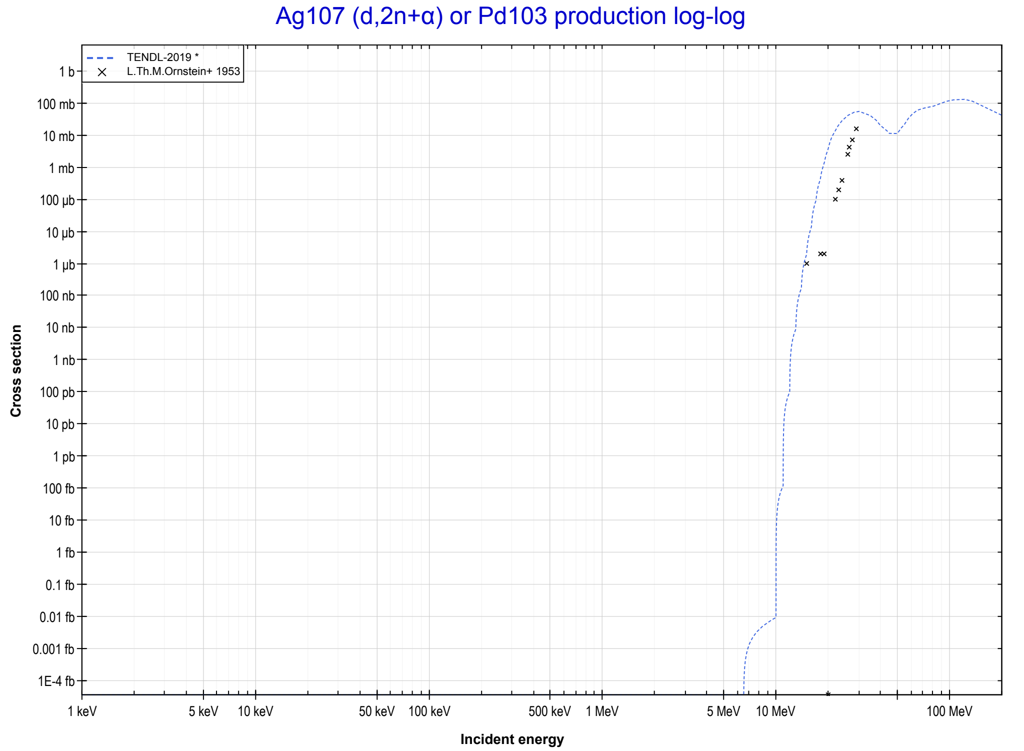


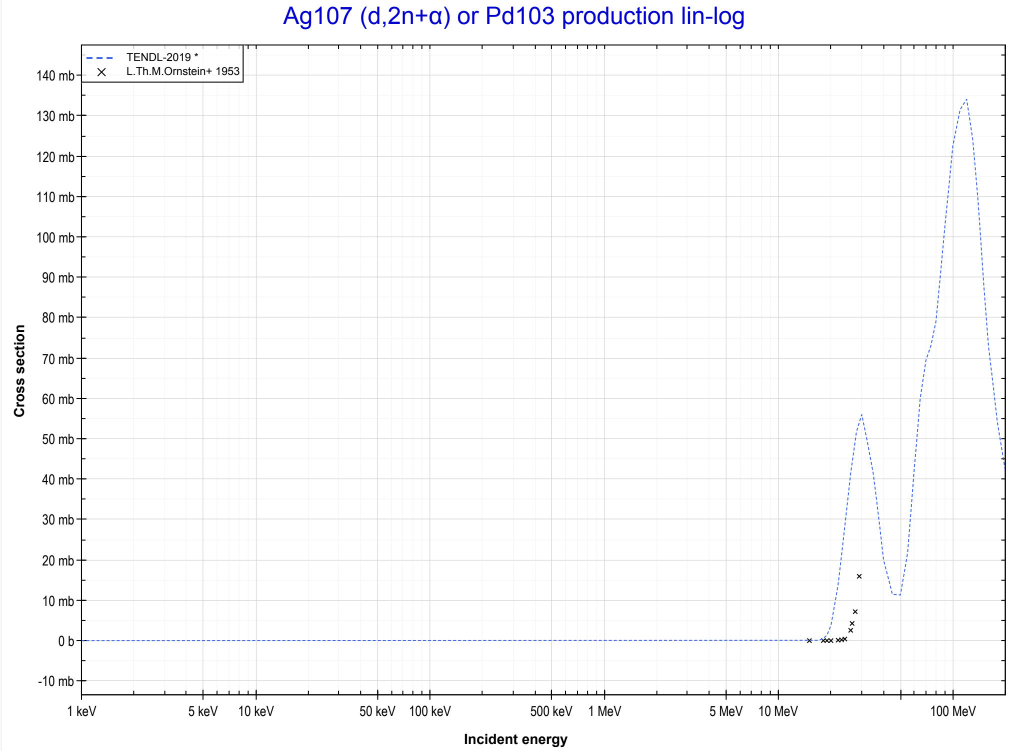
Ag107 (d,2n) or Cd107 production lin-log



Reaction	Q-Value
Ag107(d,2n)Cd107	-4423.31 keV

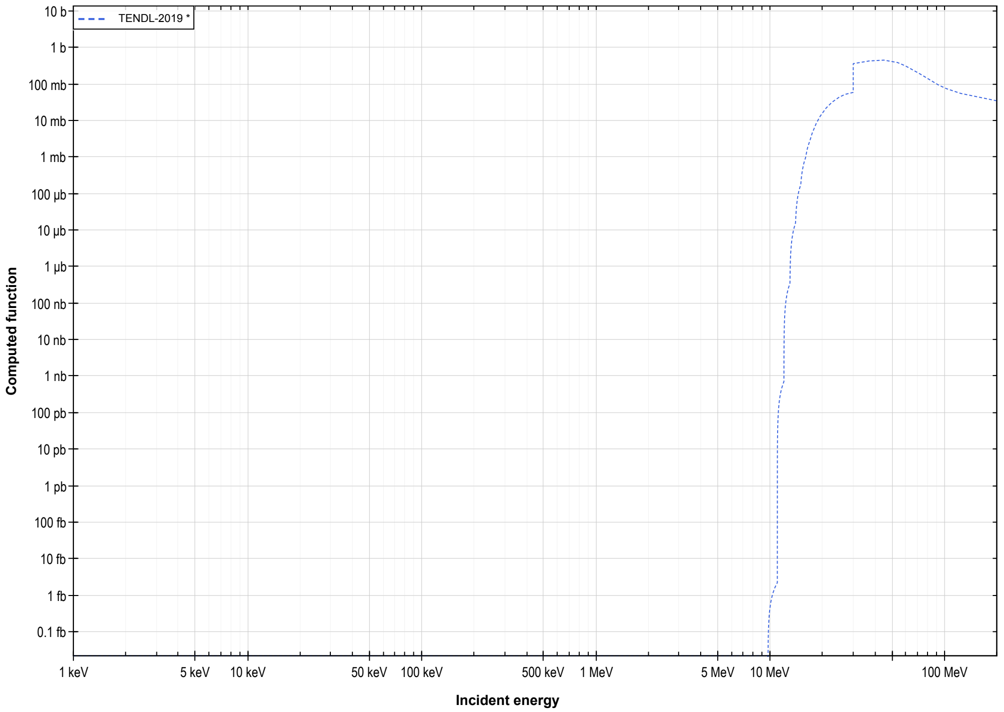
<< 39-Y-89	**47-Ag-107**	
<< MT16 (d,2n)	**MT24 (d,2n+α) or MT5 (Pd103 production)**	MT32 (d,n+d) >>



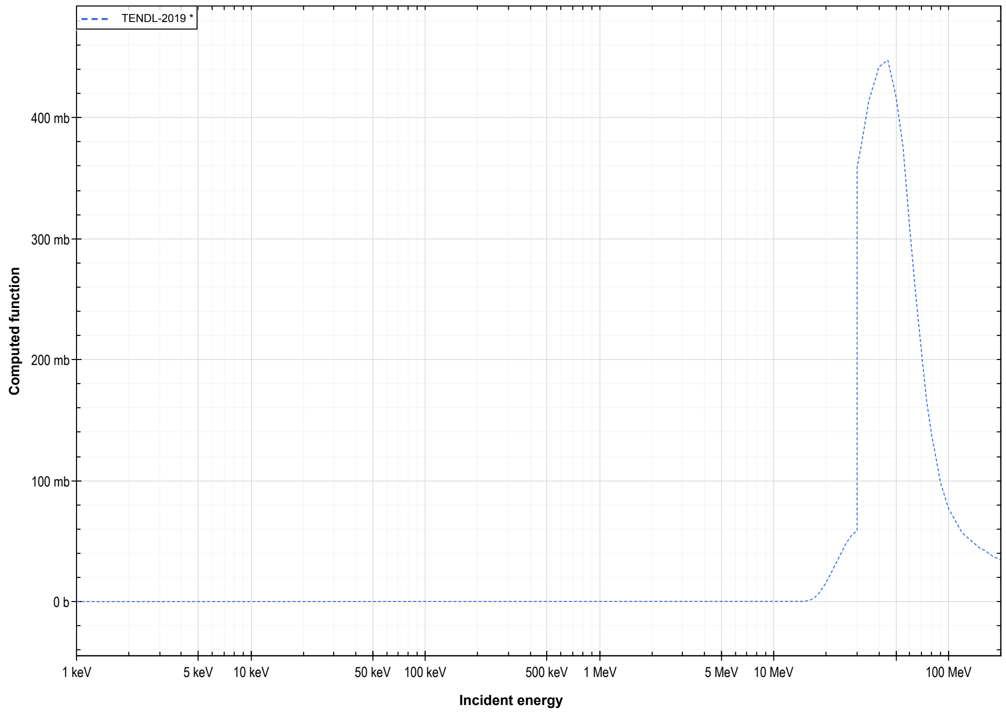


Reaction	Q-Value
Ag107(d,2n+α)Pd103	-6381.33 keV
Ag107(d,2t)Pd103	-17713.40 keV
Ag107(d,n+d+t)Pd103	-23970.63 keV
Ag107(d,2n+p+t)Pd103	-26195.19 keV
Ag107(d,3n+He3)Pd103	-26958.95 keV
Ag107(d,2n+2d)Pd103	-30227.86 keV
Ag107(d,3n+p+d)Pd103	-32452.42 keV
Ag107(d,4n+2p)Pd103	-34676.99 keV

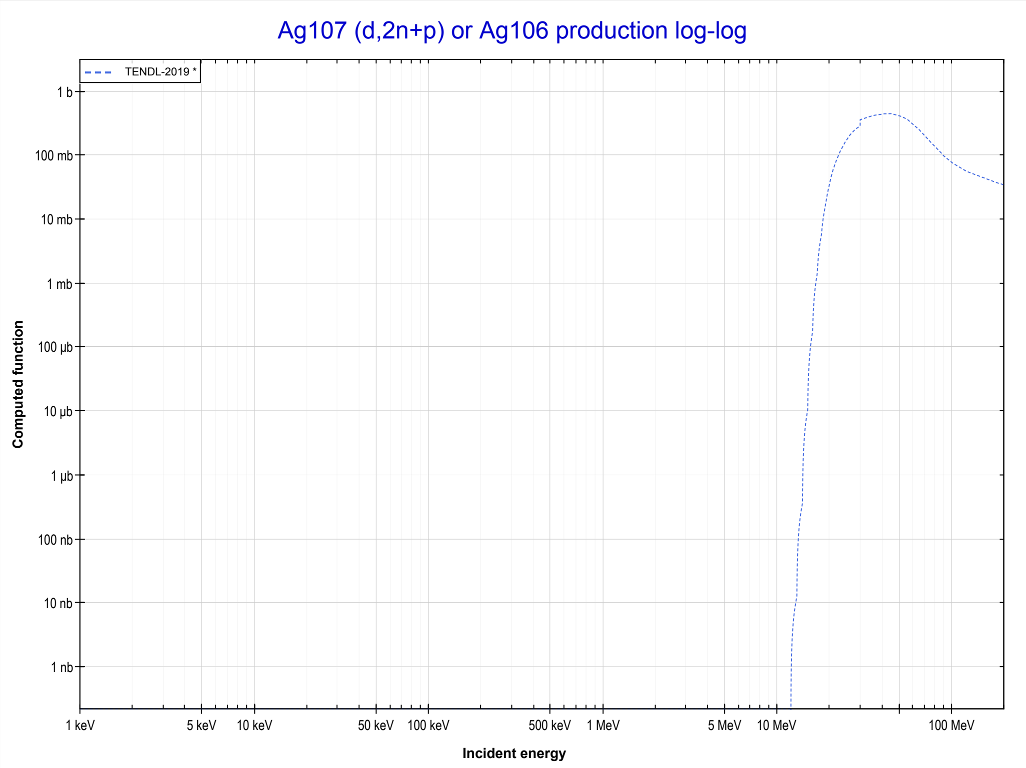
Ag107 (d,n+d) or Ag106 production log-log

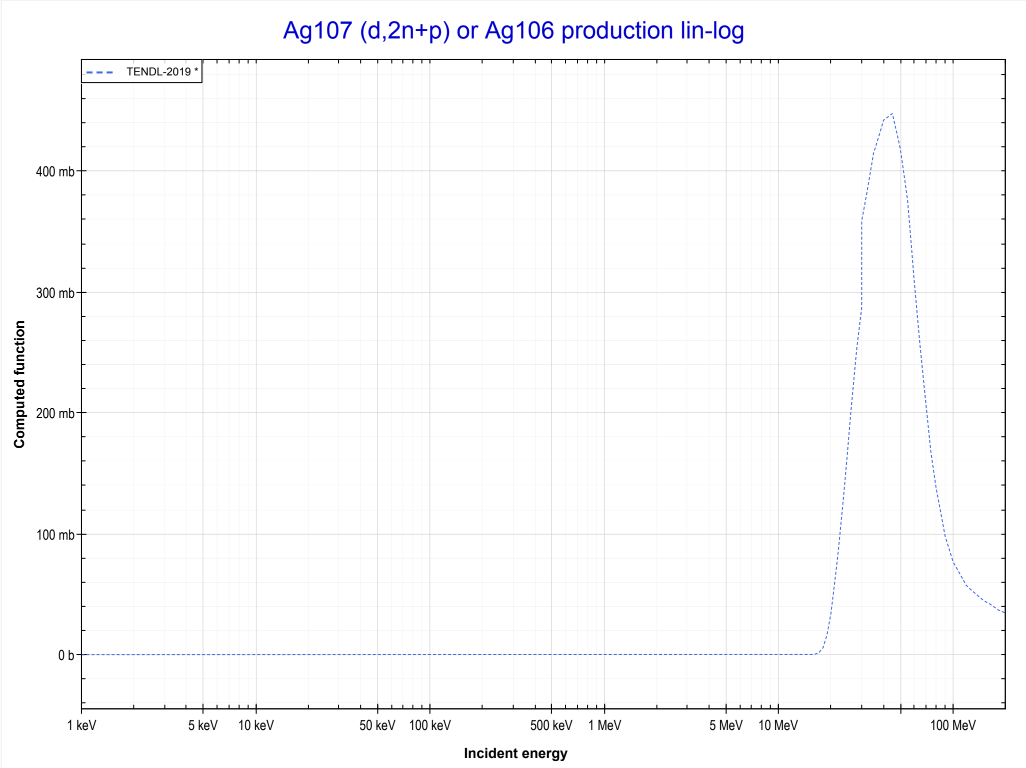


Ag107 (d,n+d) or Ag106 production lin-log

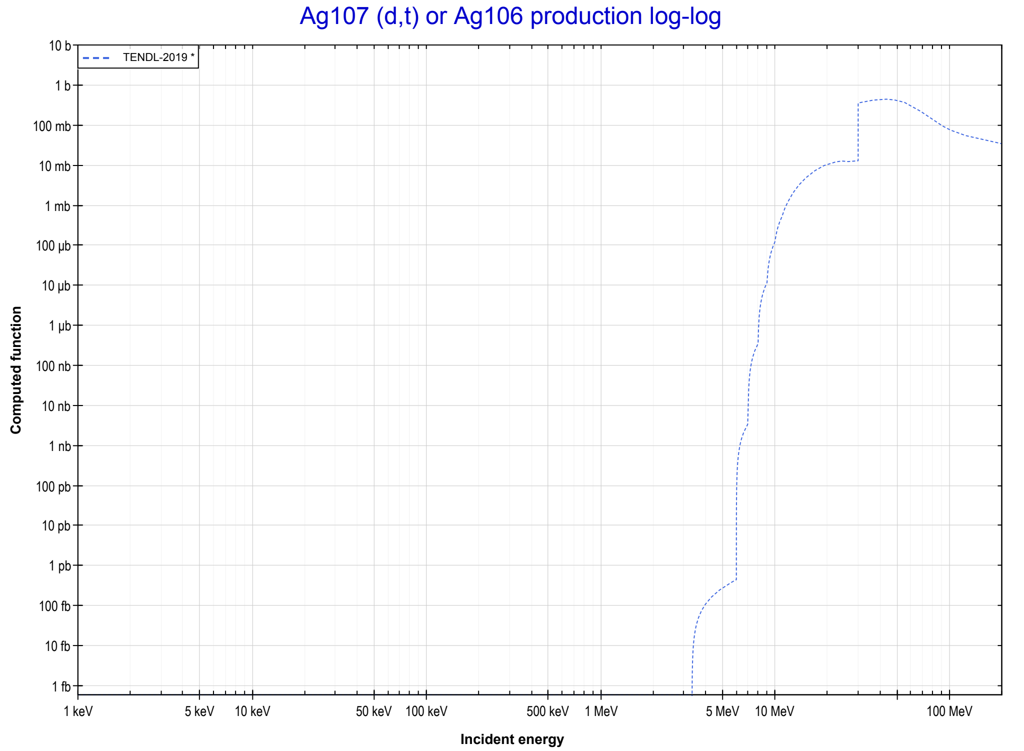


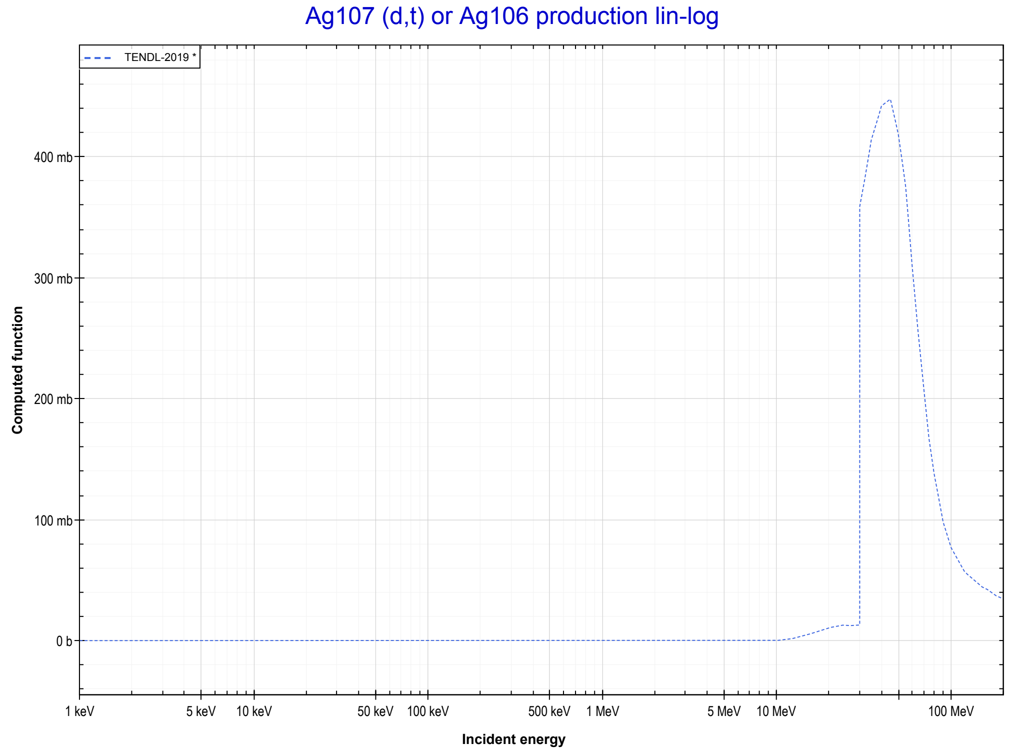
Reaction	Q-Value
Ag107(d,t)Ag106	-3278.79 keV
Ag107(d,n+d)Ag106	-9536.02 keV
Ag107(d,2n+p)Ag106	-11760.58 keV





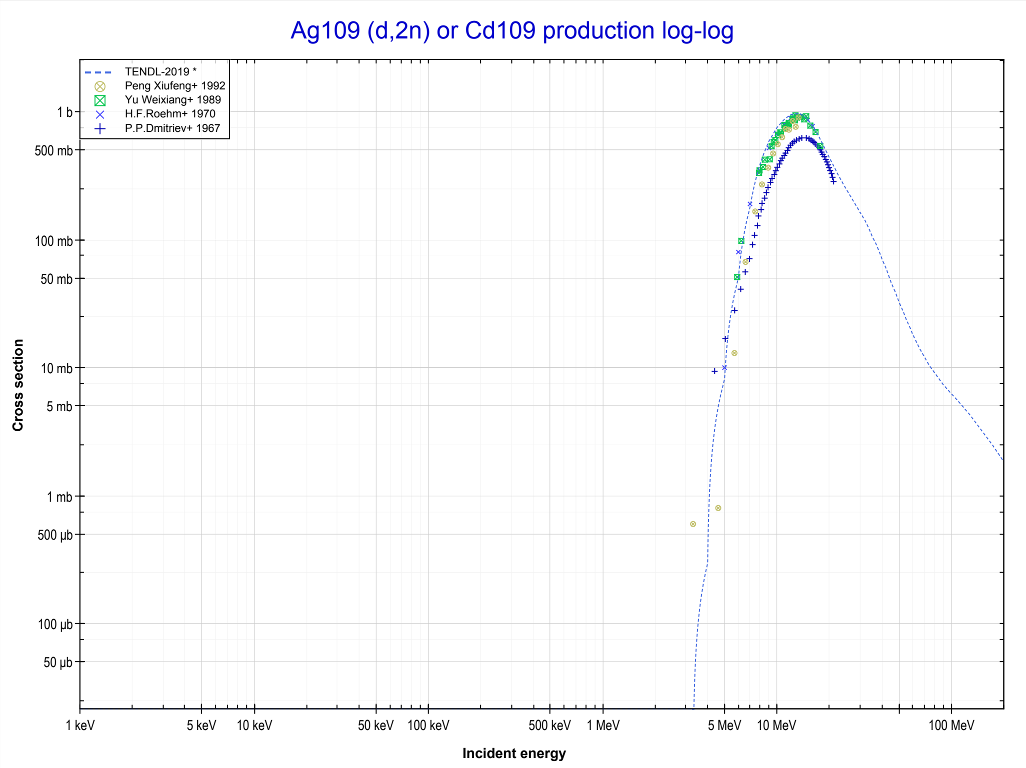
Reaction	Q-Value
Ag107(d,t)Ag106	-3278.79 keV
Ag107(d,n+d)Ag106	-9536.02 keV
Ag107(d,2n+p)Ag106	-11760.58 keV

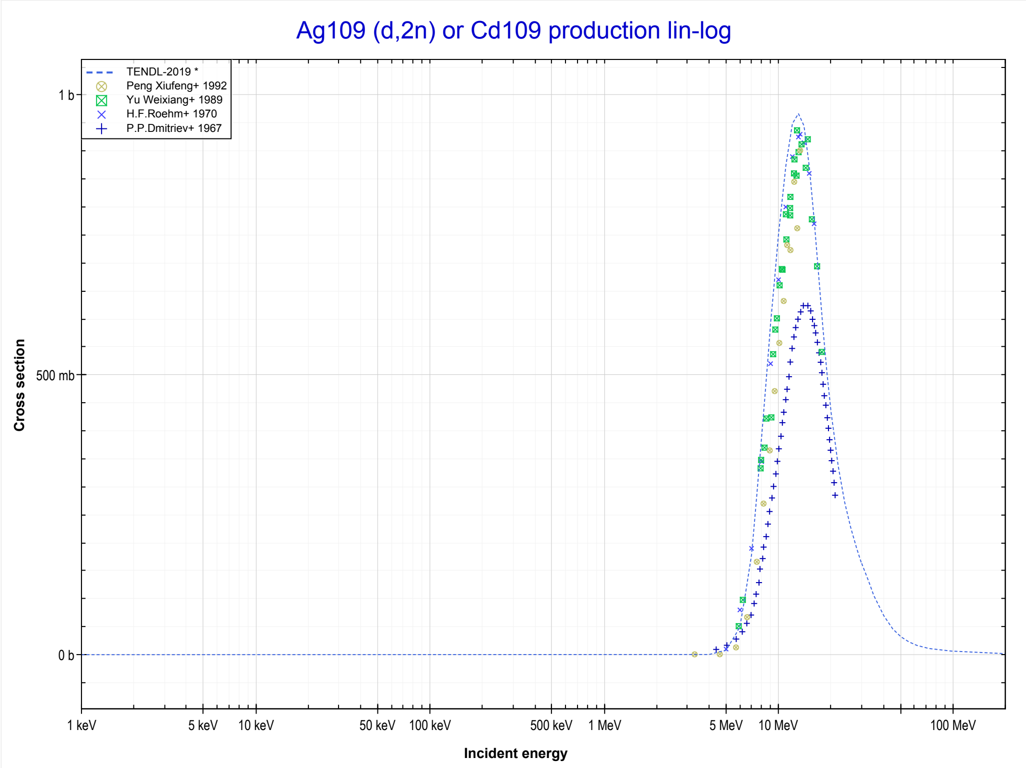




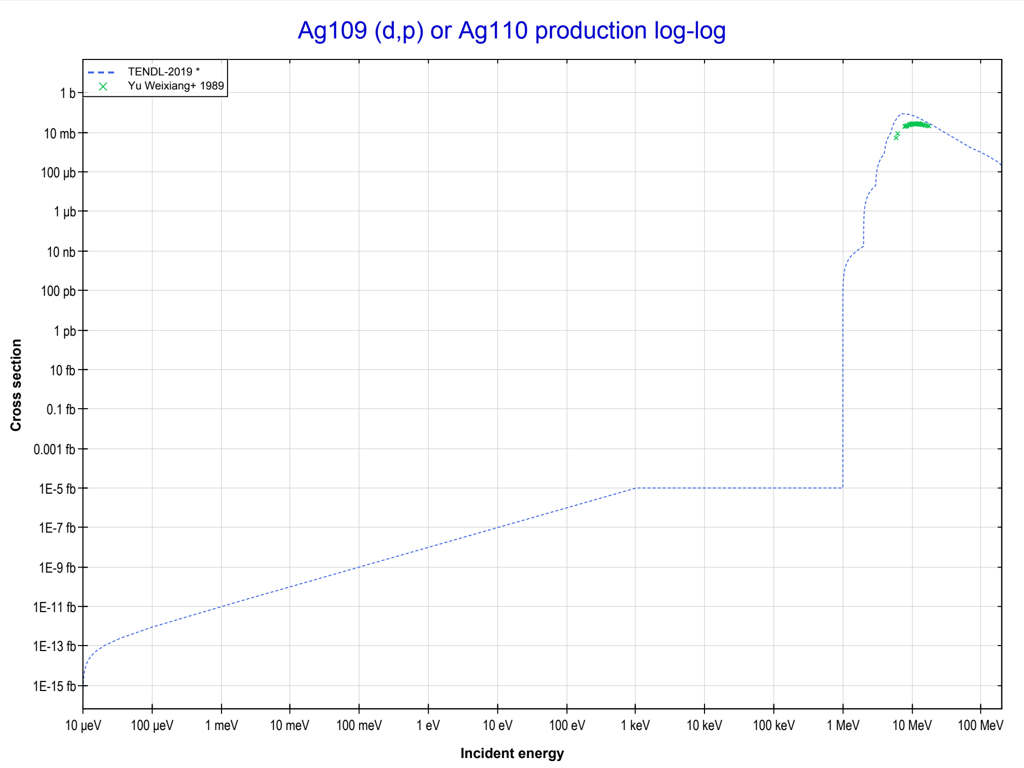
Reaction	Q-Value
Ag107(d,t)Ag106	-3278.79 keV
Ag107(d,n+d)Ag106	-9536.02 keV
Ag107(d,2n+p)Ag106	-11760.58 keV

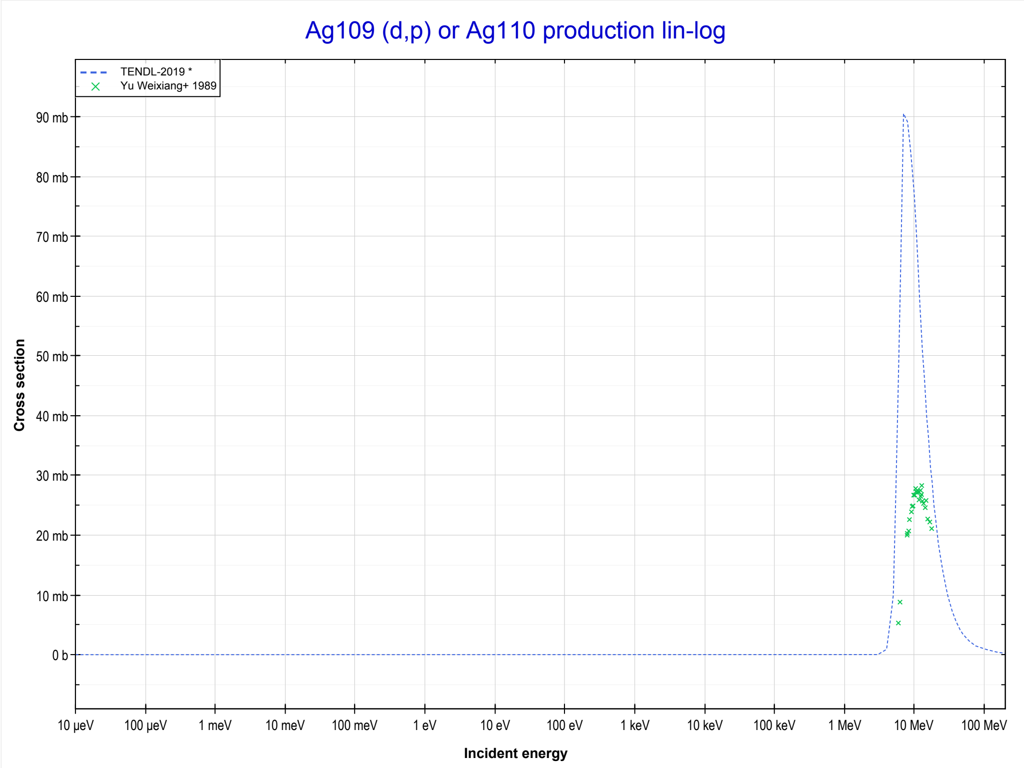
<< 47-Ag-107	**47-Ag-109**	48-Cd-110 >>
<< 47-Ag-107 MT105 (d,t)	**MT16 (d,2n) or MT5 (Cd109 production)**	MT103 (d,p) >>





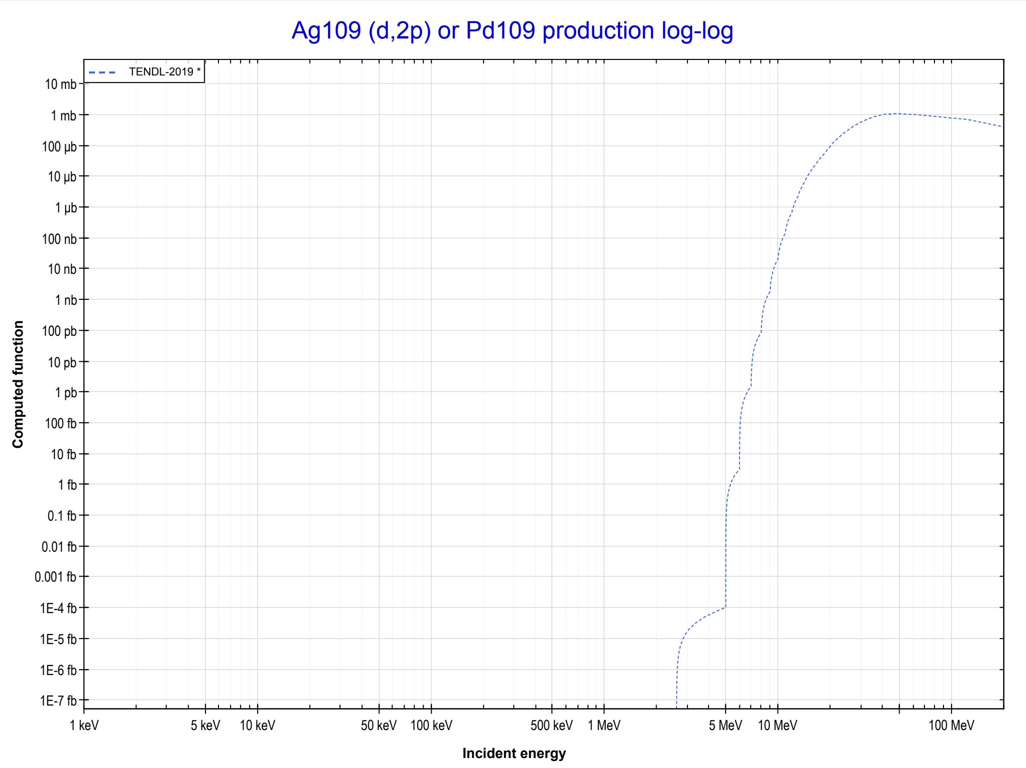
Reaction	Q-Value
Ag109(d,2n)Cd109	-3222.01 keV

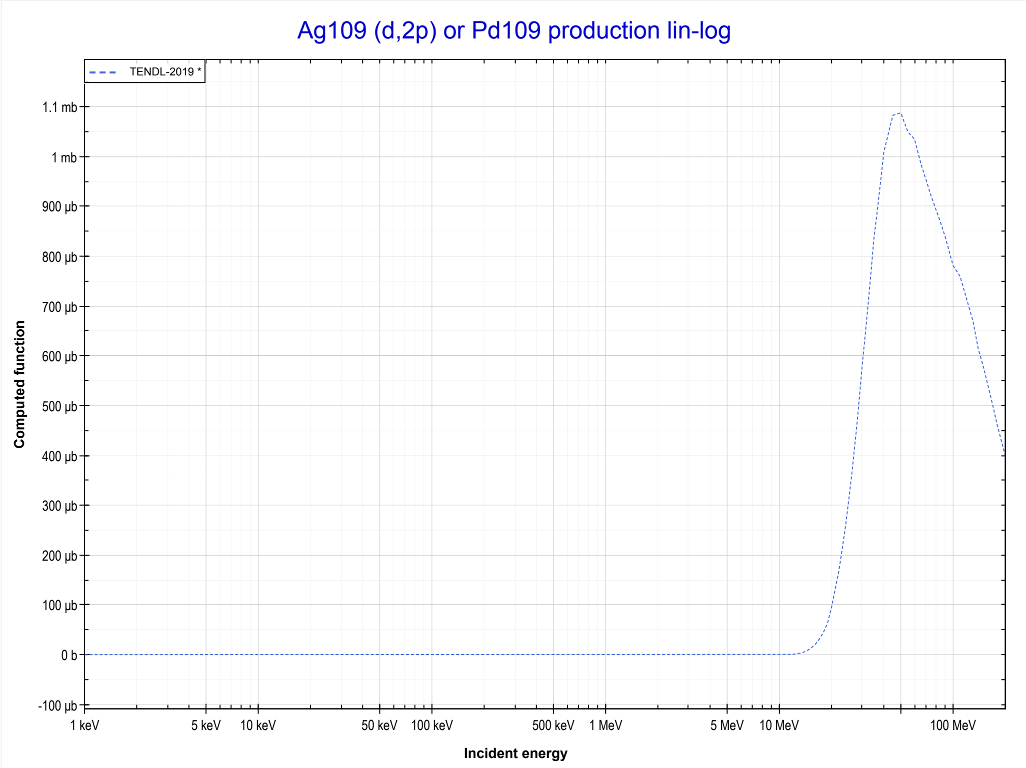




Reaction	Q-Value
Ag109(d,p)Ag110	4584.65 keV

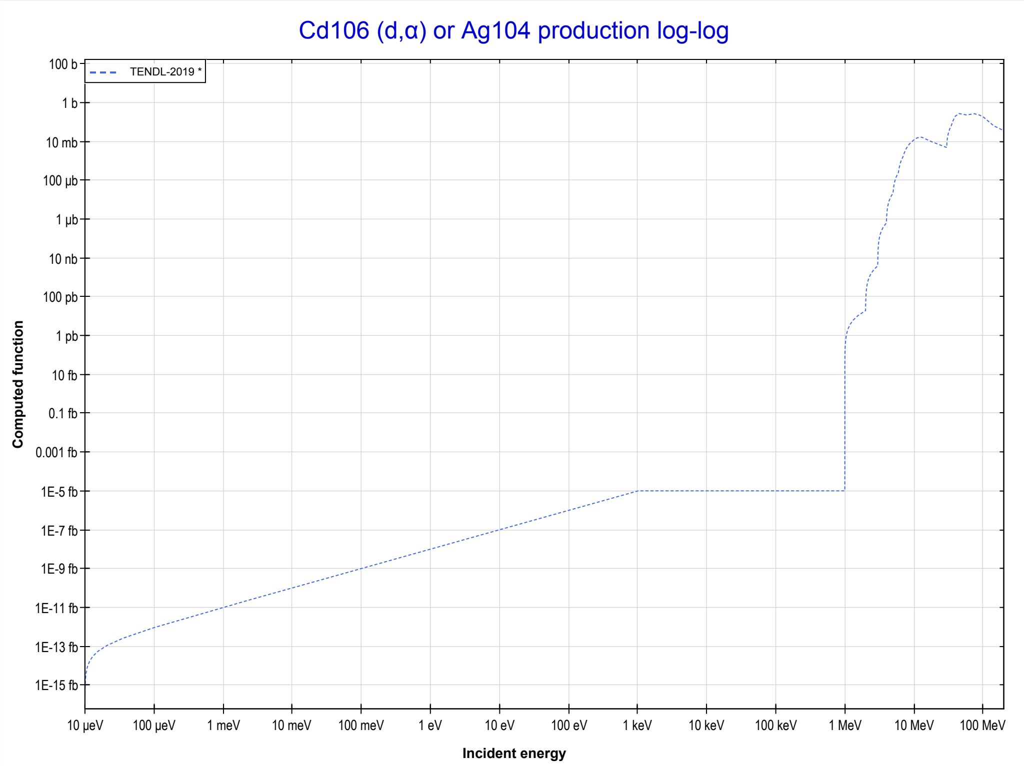
<< 45-Rh-103	**47-Ag-109**	59-Pr-141 >>
<< MT103 (d,p)	**MT111 (d,2p) or MT5 (Pd109 production)**	48-Cd-106 MT107 (d,α) >>

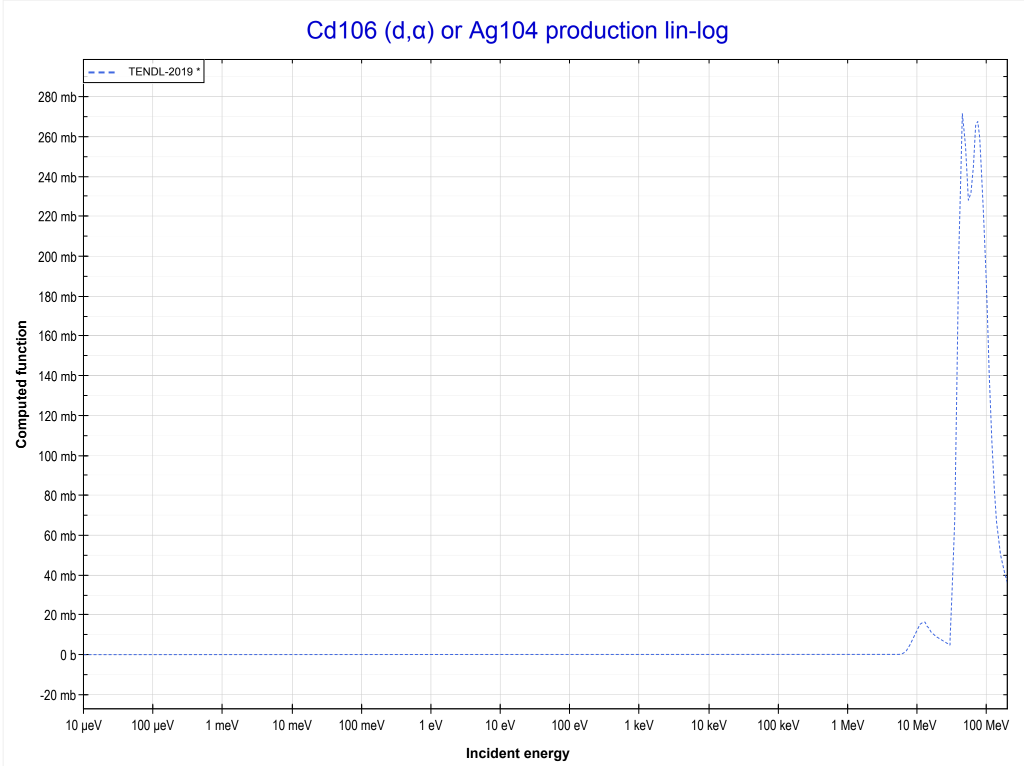




Reaction	Q-Value
Ag109(d,2p)Pd109	-2555.12 keV

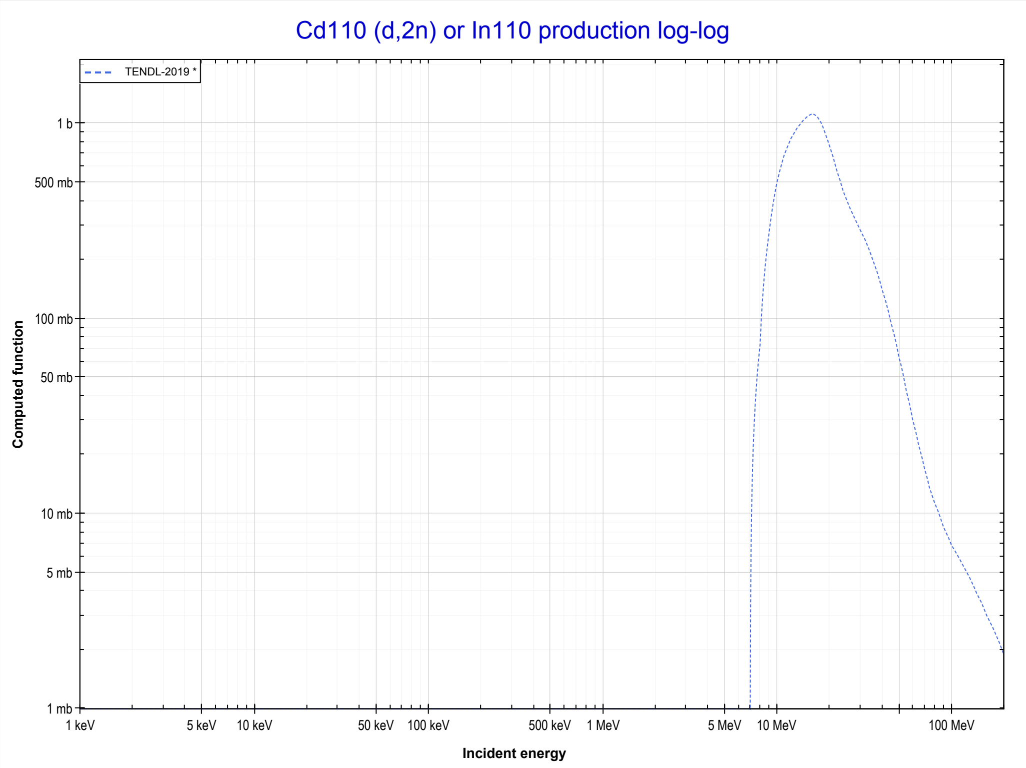
<< 42-Mo-98	**48-Cd-106**	48-Cd-113 >>
<< 47-Ag-109 MT111 (d,2p)	**MT107 (d,α) or MT5 (Ag104 production)**	48-Cd-110 MT16 (d,2n) >>

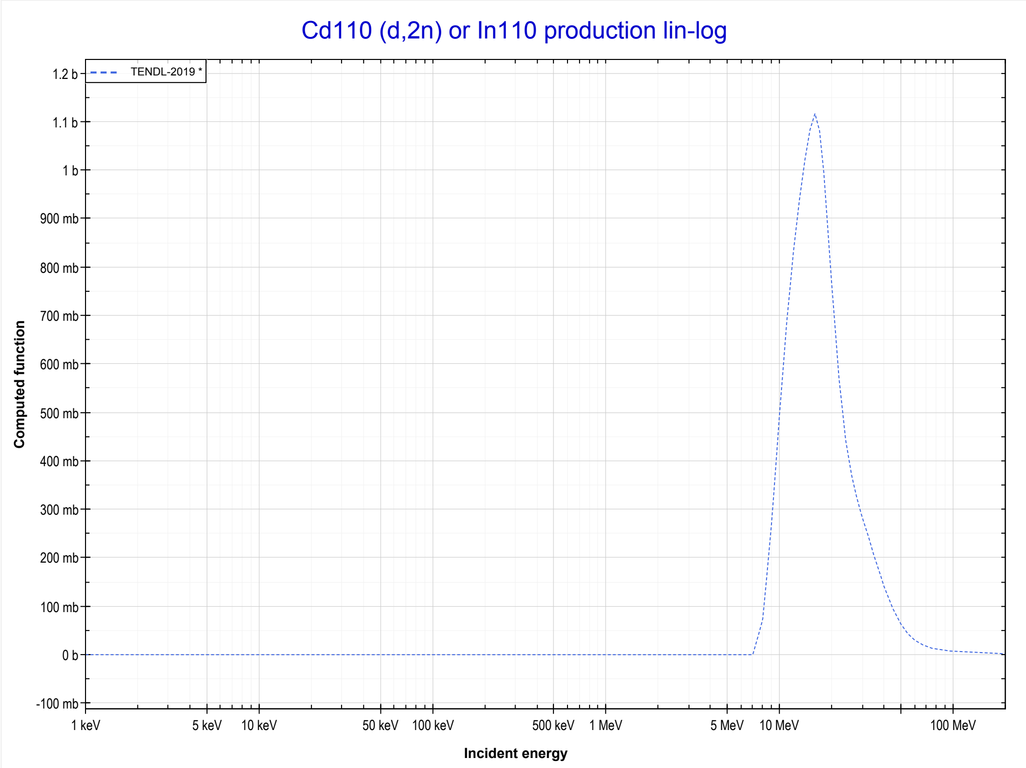




Reaction	Q-Value
Cd106(d,α)Ag104	8694.71 keV
Cd106(d,p+t)Ag104	-11119.16 keV
Cd106(d,n+He3)Ag104	-11882.91 keV
Cd106(d,2d)Ag104	-15151.82 keV
Cd106(d,n+p+d)Ag104	-17376.39 keV
Cd106(d,2n+2p)Ag104	-19600.95 keV

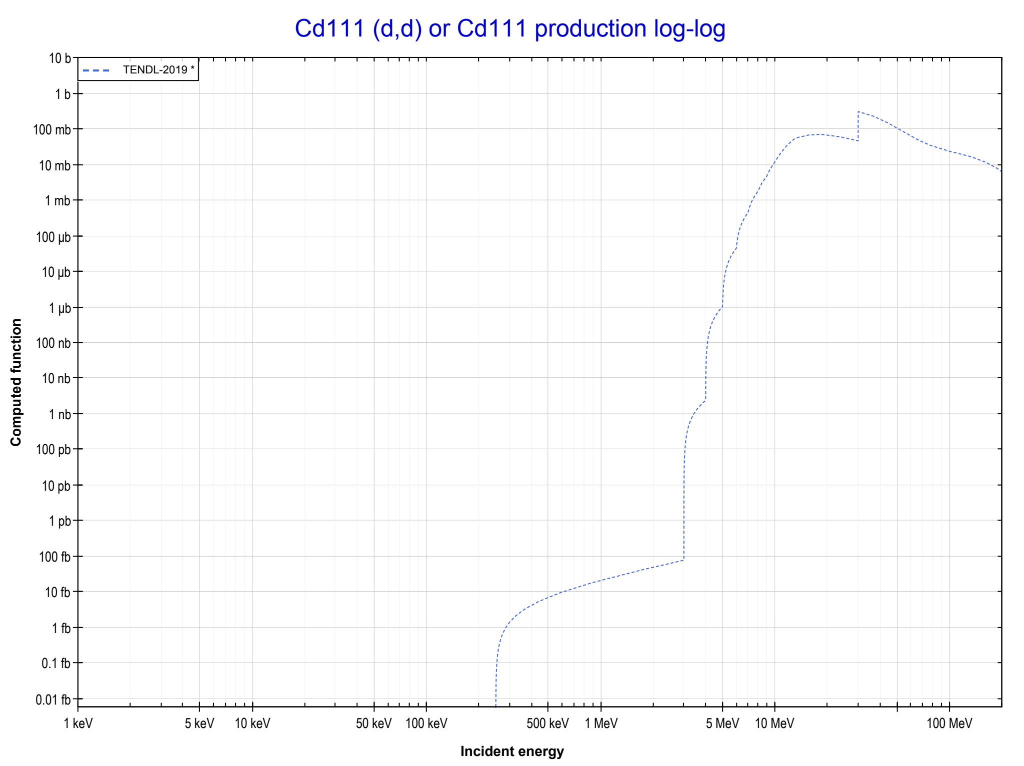
<< 47-Ag-109	**48-Cd-110**	48-Cd-114 >>
<< 48-Cd-106 MT107 (d,α)	**MT16 (d,2n) or MT5 (In110 production)**	48-Cd-111 MT104 (d,d) >>

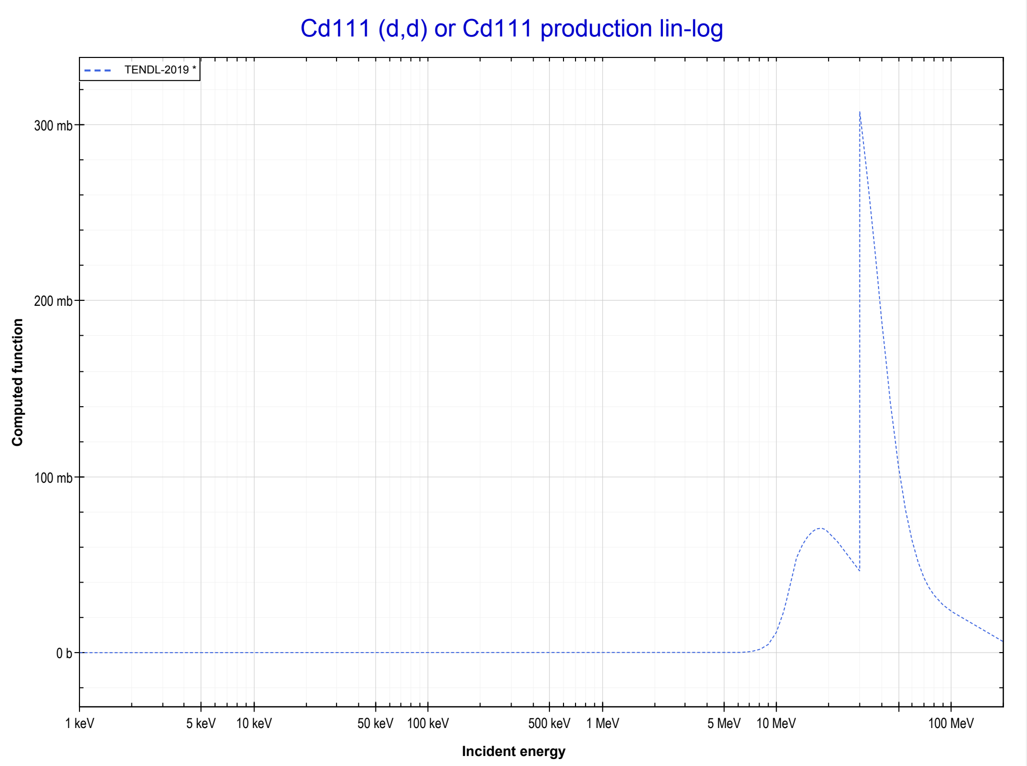




Reaction	Q-Value
Cd110(d,2n)In110	-6884.91 keV

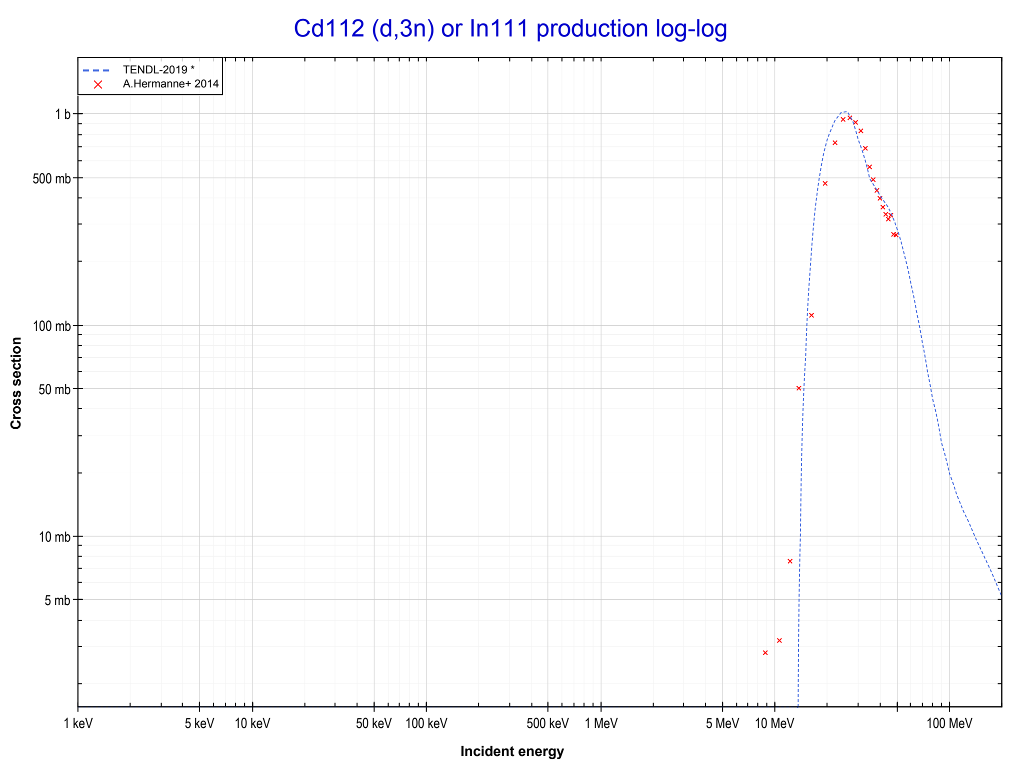
	48-Cd-111	49-In-115 >>
<< 48-Cd-110 MT16 (d,2n)	**MT104 (d,d) or MT5 (Cd111 production)**	48-Cd-112 MT17 (d,3n) >>

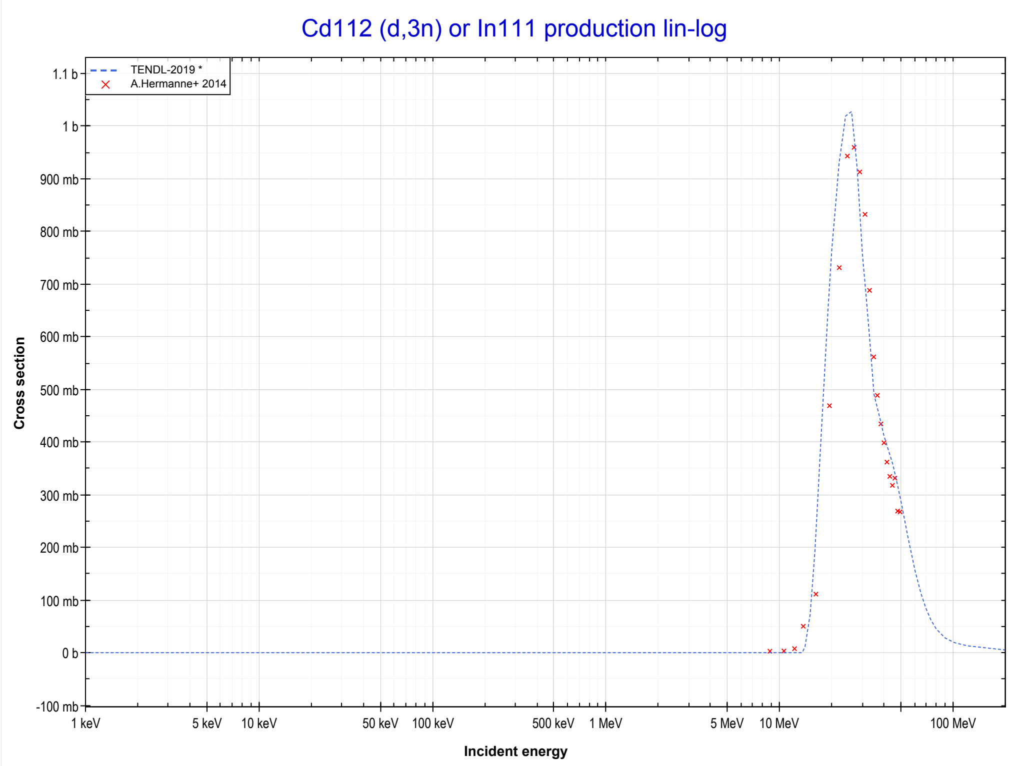




Reaction	Q-Value
Cd111(d,d)Cd111	0.00 keV
Cd111(d,n+p)Cd111	-2224.57 keV

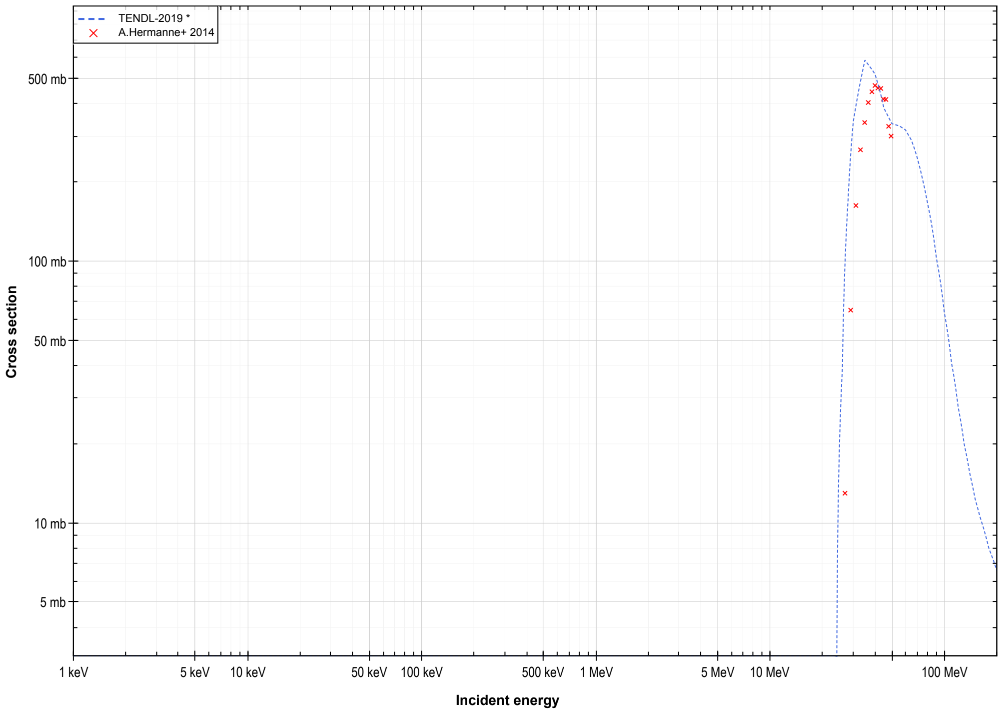
<< 42-Mo-100	**48-Cd-112**	48-Cd-114 >>
<< 48-Cd-111 MT104 (d,d)	**MT17 (d,3n) or MT5 (In111 production)**	MT37 (d,4n) >>



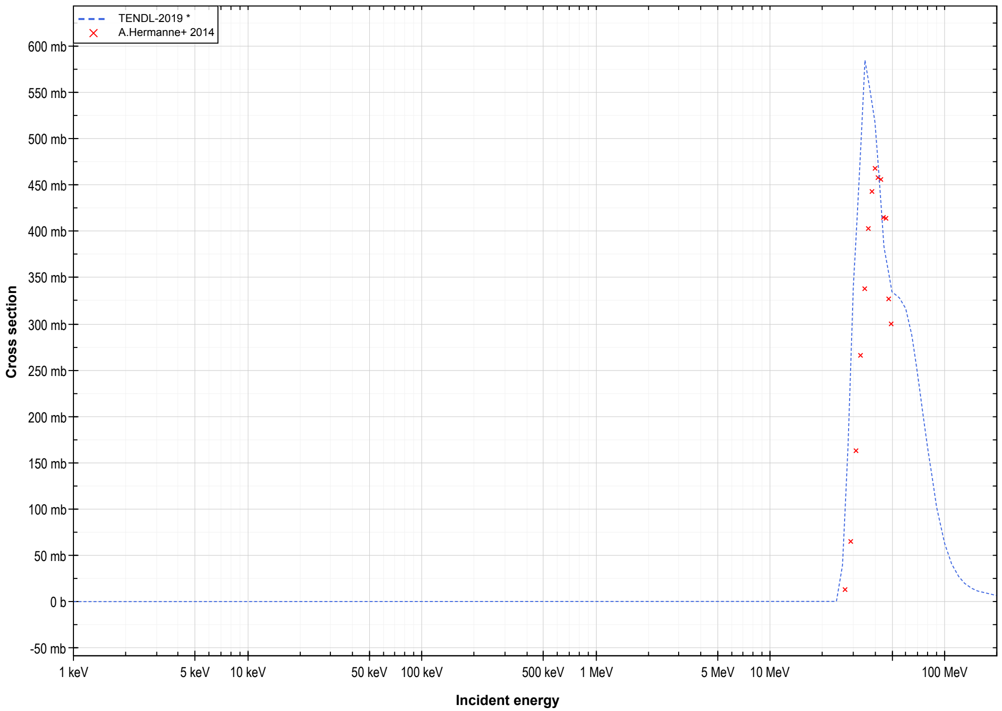


Reaction	Q-Value
Cd112(d,3n)In111	-13261.09 keV

Cd112 (d,4n) or In110 production log-log



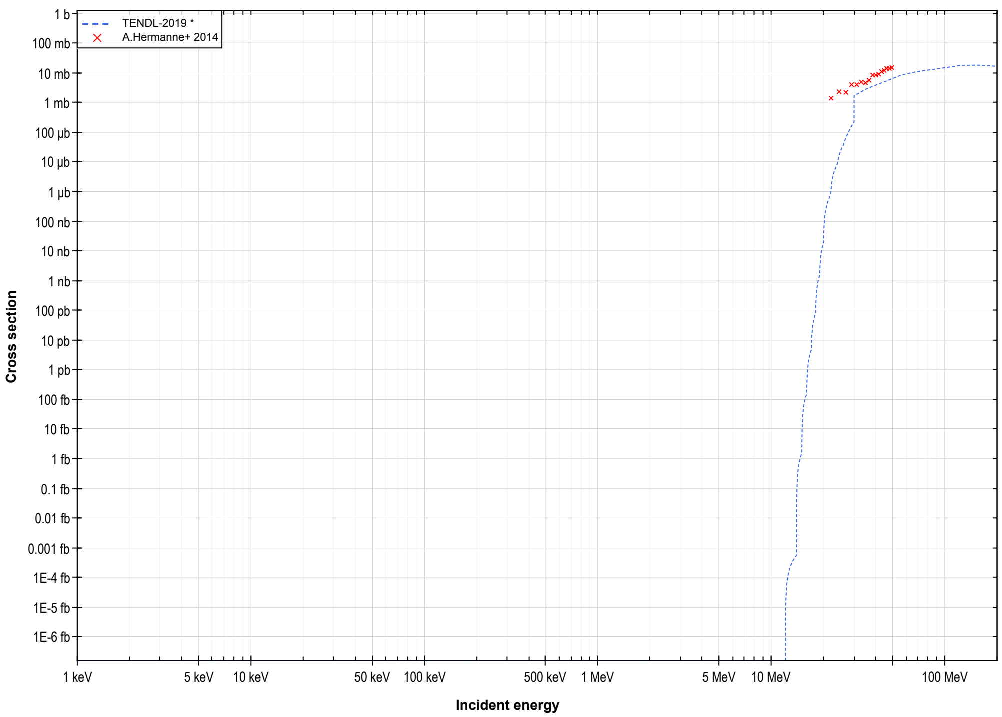
Cd112 (d,4n) or In110 production lin-log



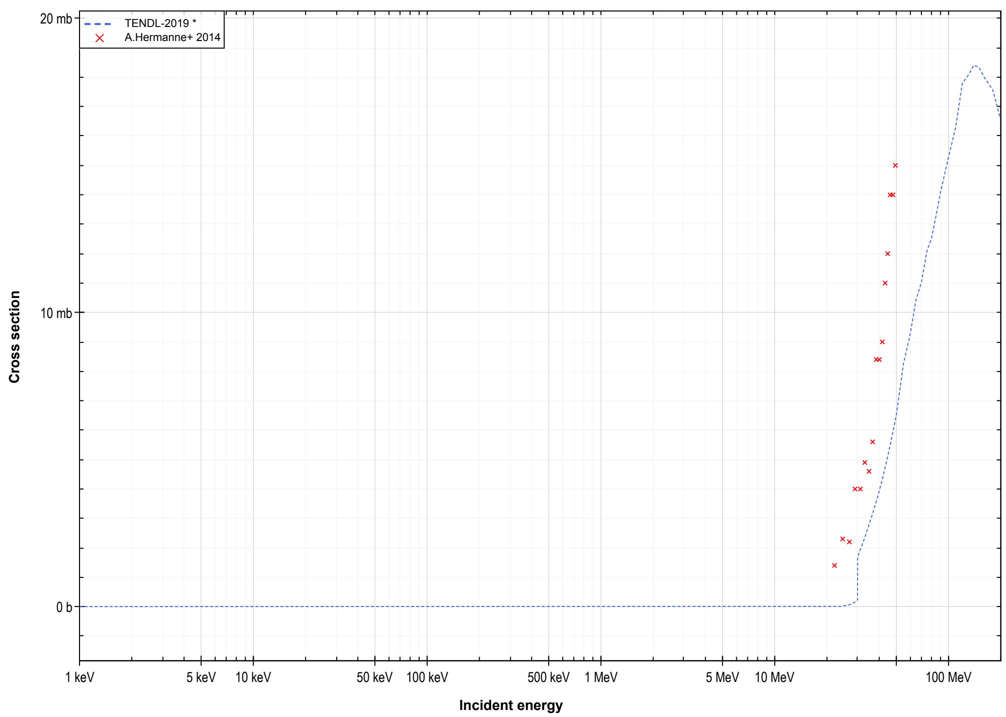
Reaction	Q-Value
Cd112(d,4n)In110	-23254.41 keV

<< 28-Ni-58	**48-Cd-112**	58-Ce-142 >>
<< MT37 (d,4n)	**MT44 (d,n+2p) or MT5 (Ag111 production)**	MT106 (d,³He) >>

Cd112 (d,n+2p) or Ag111 production log-log



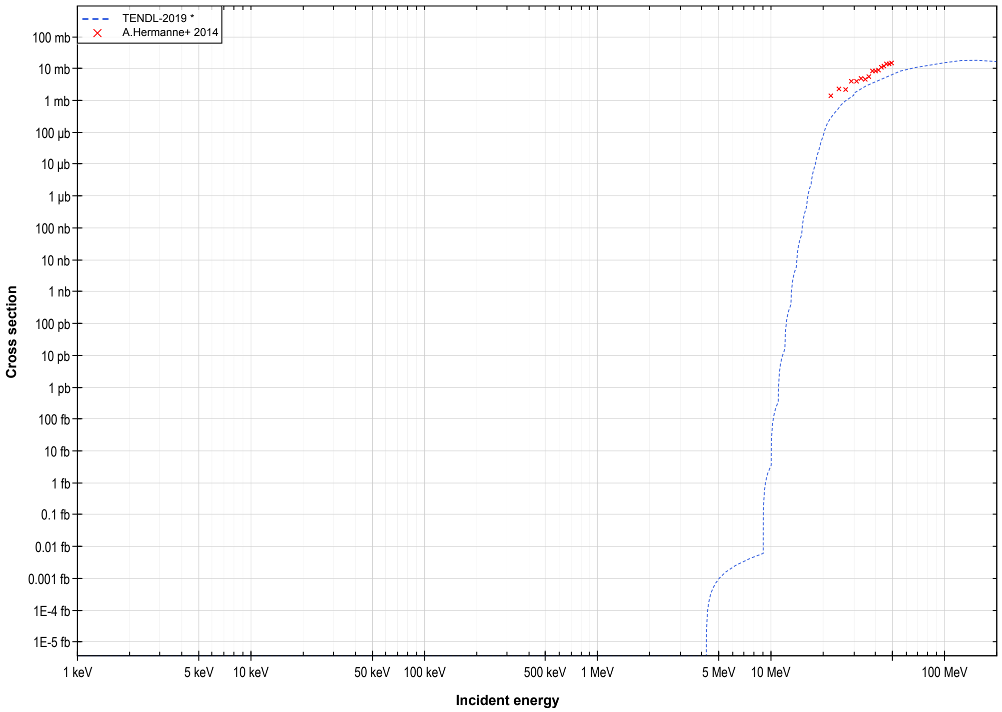
Cd112 (d,n+2p) or Ag111 production lin-log



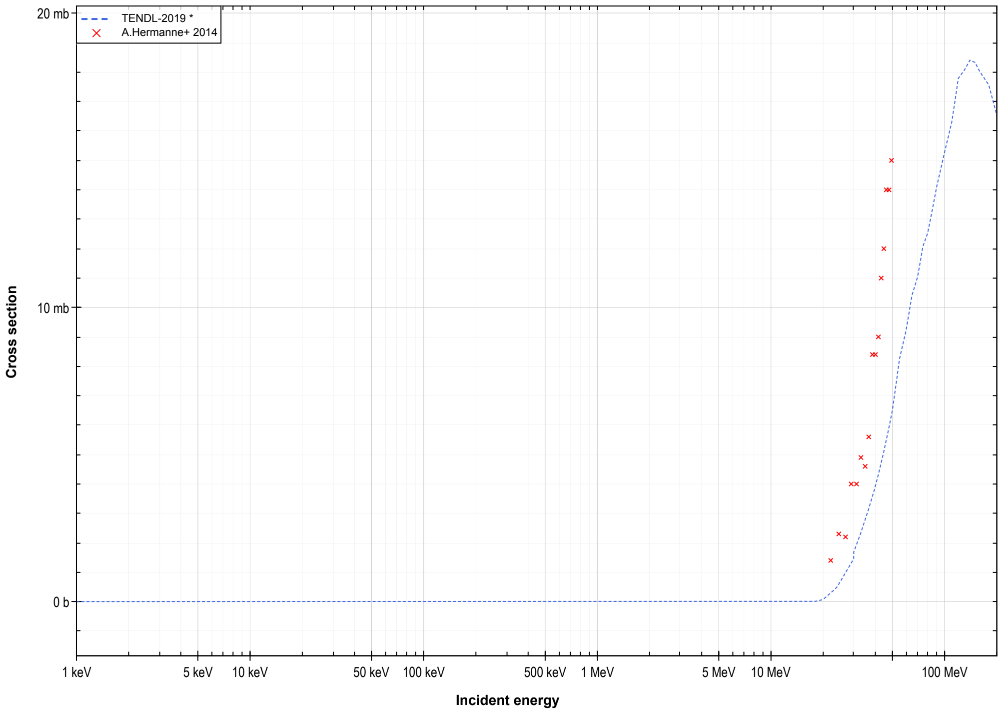
Reaction	Q-Value
Cd112(d,He3)Ag111	-4154.96 keV
Cd112(d,p+d)Ag111	-9648.43 keV
Cd112(d,n+2p)Ag111	-11873.00 keV

<< 30-Zn-68	**48-Cd-112**	
<< MT44 (d,n+2p)	**MT106 (d,^{3}He) or MT5 (Ag111 production)**	MT115 (d,p+d) >>

Cd112 (d,^{3}He) or Ag111 production log-log

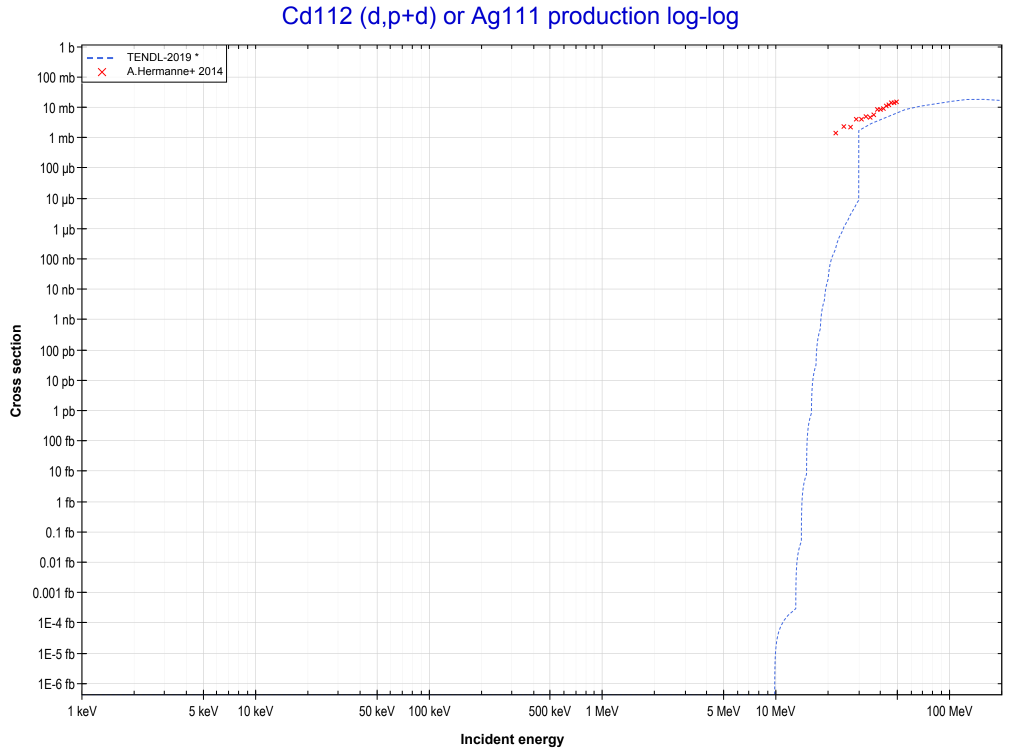


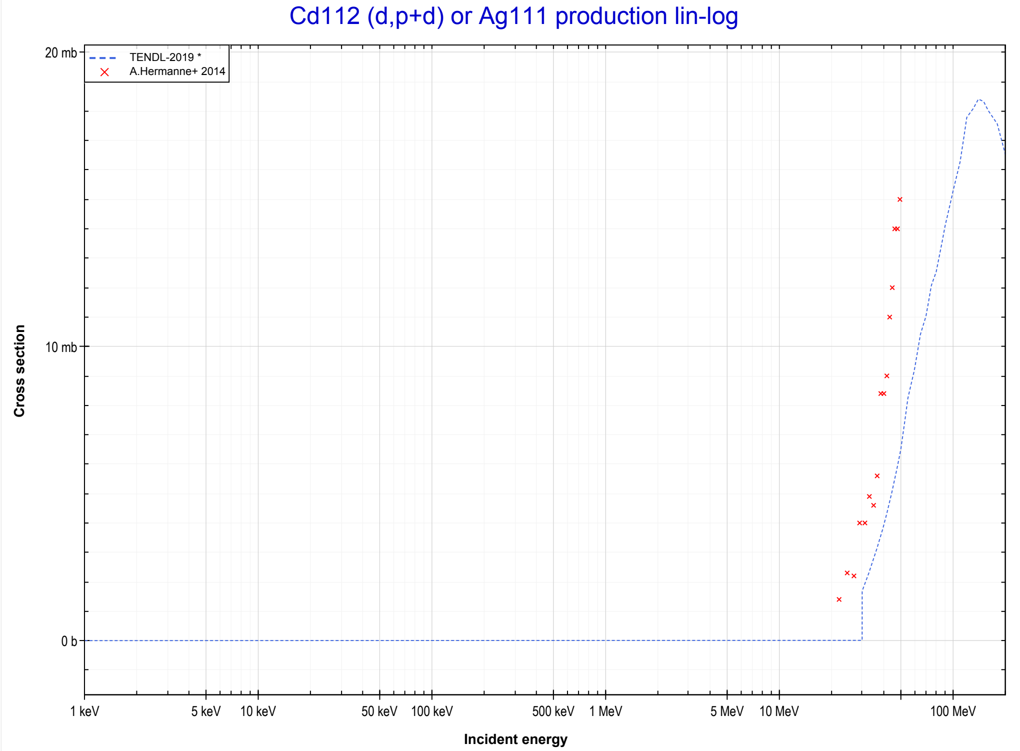
Cd112 (d,^{3}He) or Ag111 production lin-log



Reaction	Q-Value
Cd112(d,He3)Ag111	-4154.96 keV
Cd112(d,p+d)Ag111	-9648.43 keV
Cd112(d,n+2p)Ag111	-11873.00 keV

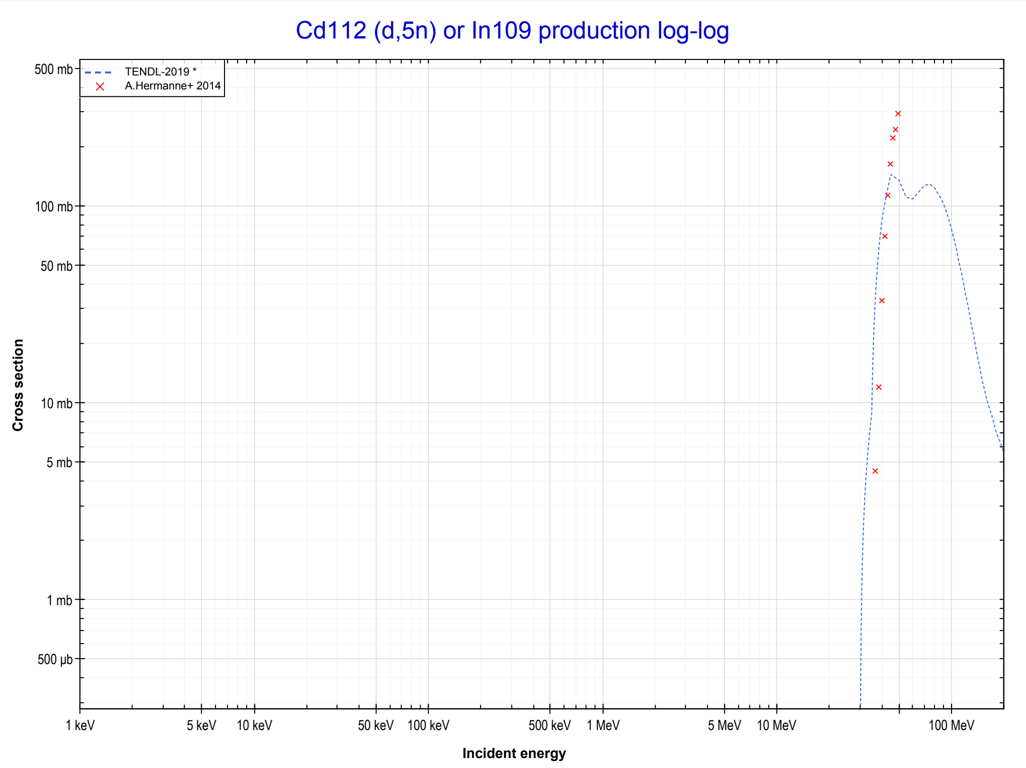
	48-Cd-112	
<< MT106 (d,³He)	**MT115 (d,p+d) or MT5 (Ag111 production)**	MT152 (d,5n) >>

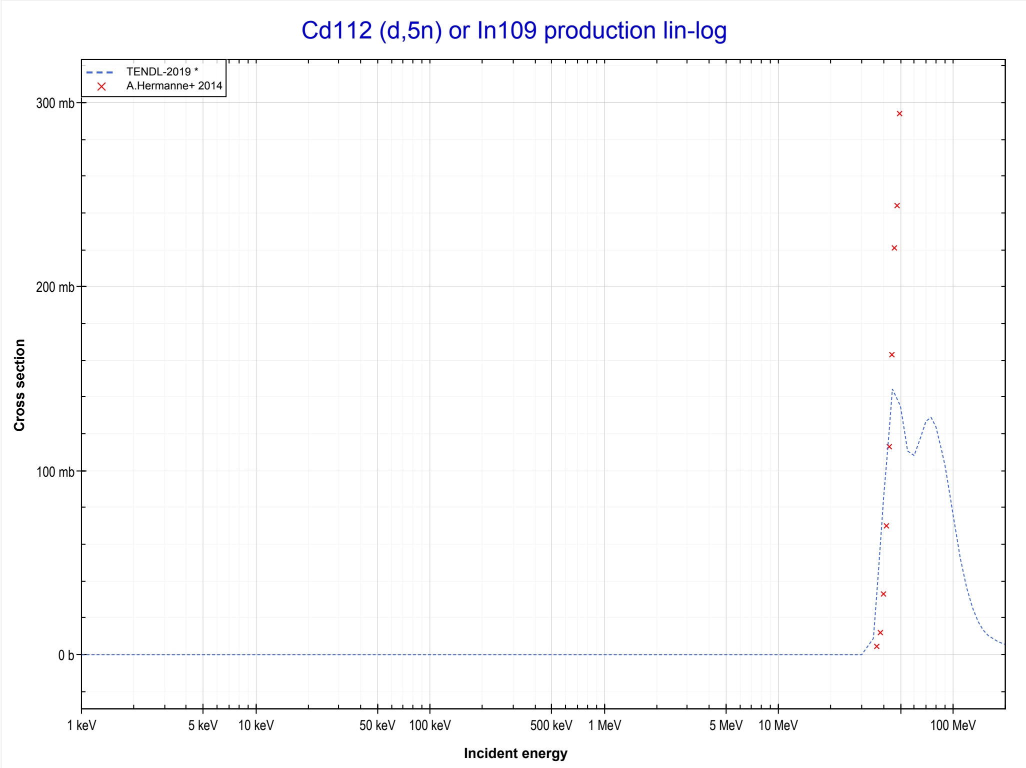




Reaction	Q-Value
Cd112(d,He3)Ag111	-4154.96 keV
Cd112(d,p+d)Ag111	-9648.43 keV
Cd112(d,n+2p)Ag111	-11873.00 keV

<< 45-Rh-103	**48-Cd-112**	59-Pr-141 >>
<< MT115 (d,p+d)	**MT152 (d,5n) or MT5 (In109 production)**	MT165 (d,4n+α) >>

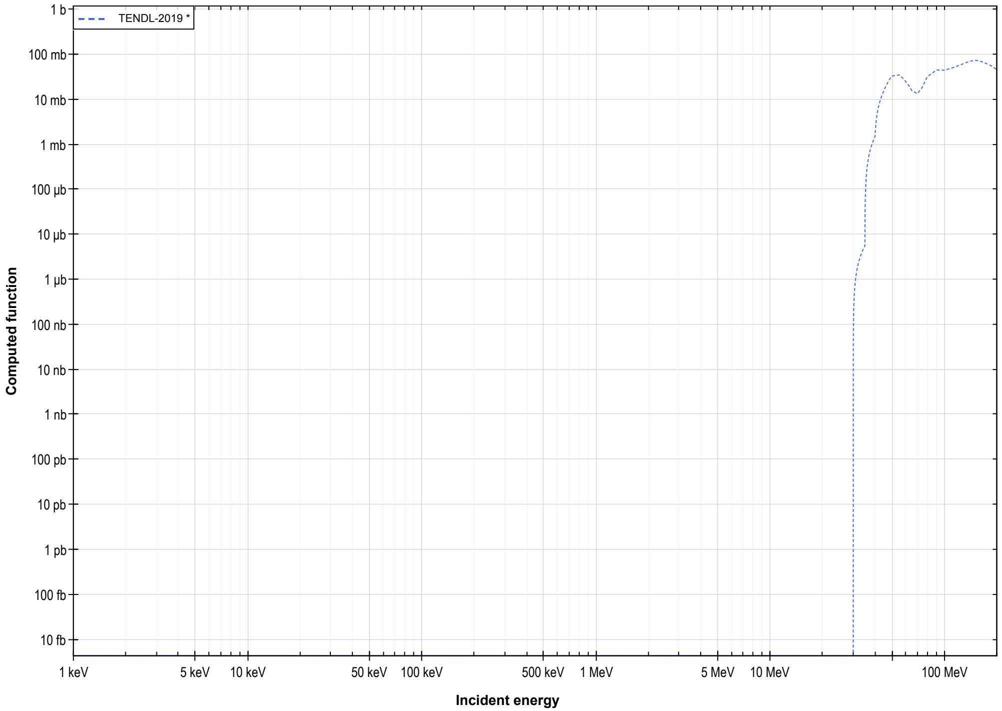




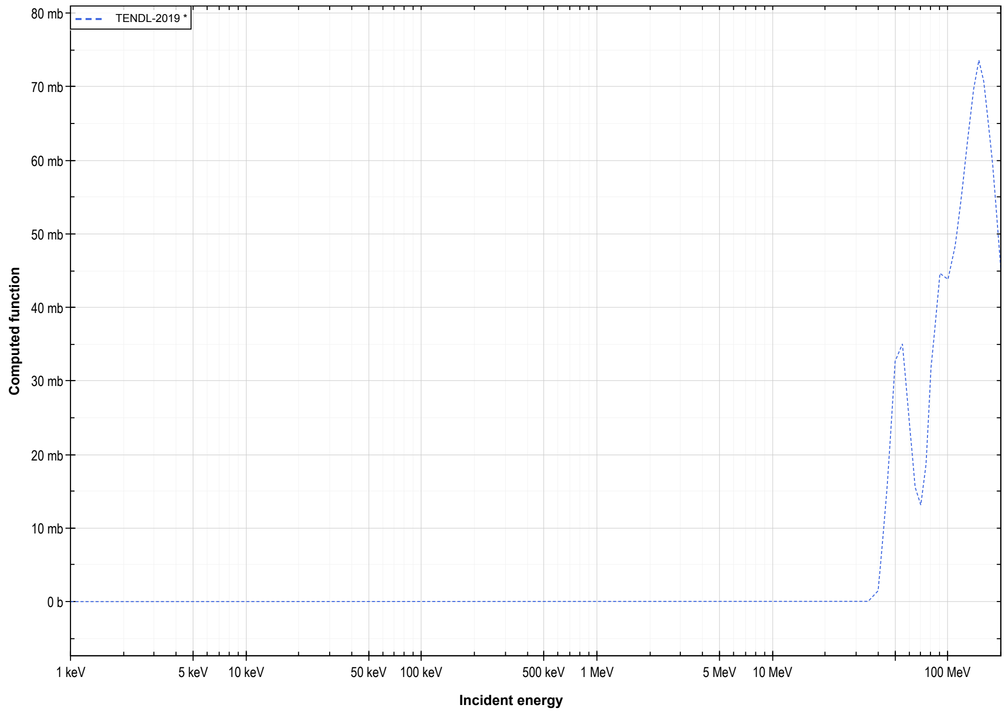
Reaction	Q-Value
Cd112(d,5n)In109	-31305.72 keV

<< 45-Rh-103	**48-Cd-112**	59-Pr-141 >>
<< MT152 (d,5n)	**MT165 (d,4n+α) or MT5 (Ag106 production)**	48-Cd-113 MT107 (d,α) >>

Cd112 (d,4n+α) or Ag106 production log-log



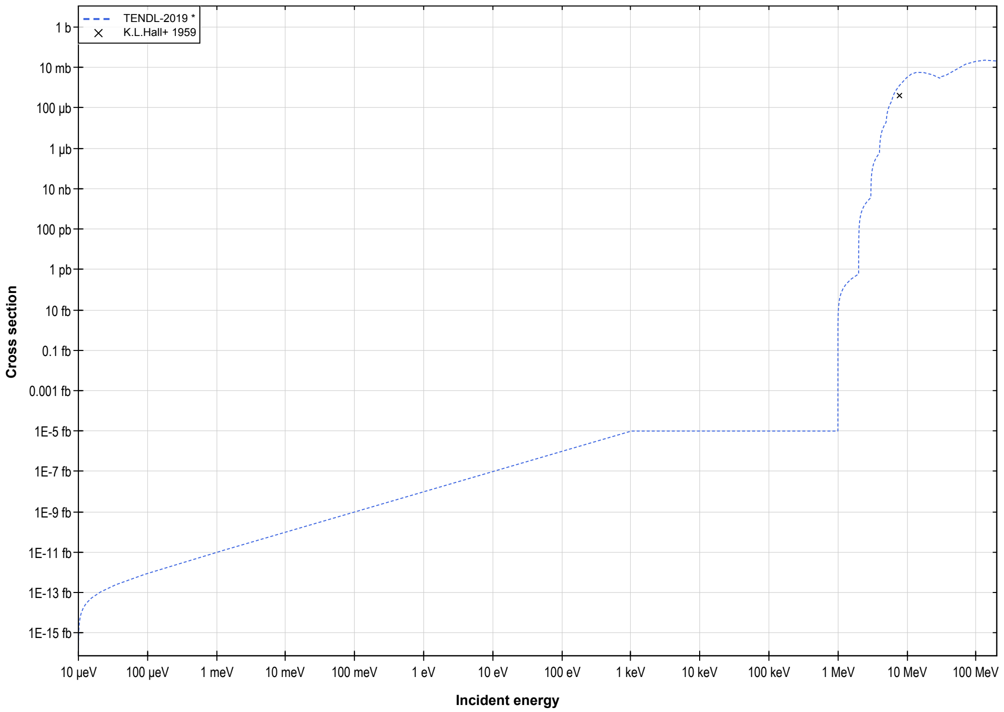
Cd112 (d,4n+α) or Ag106 production lin-log



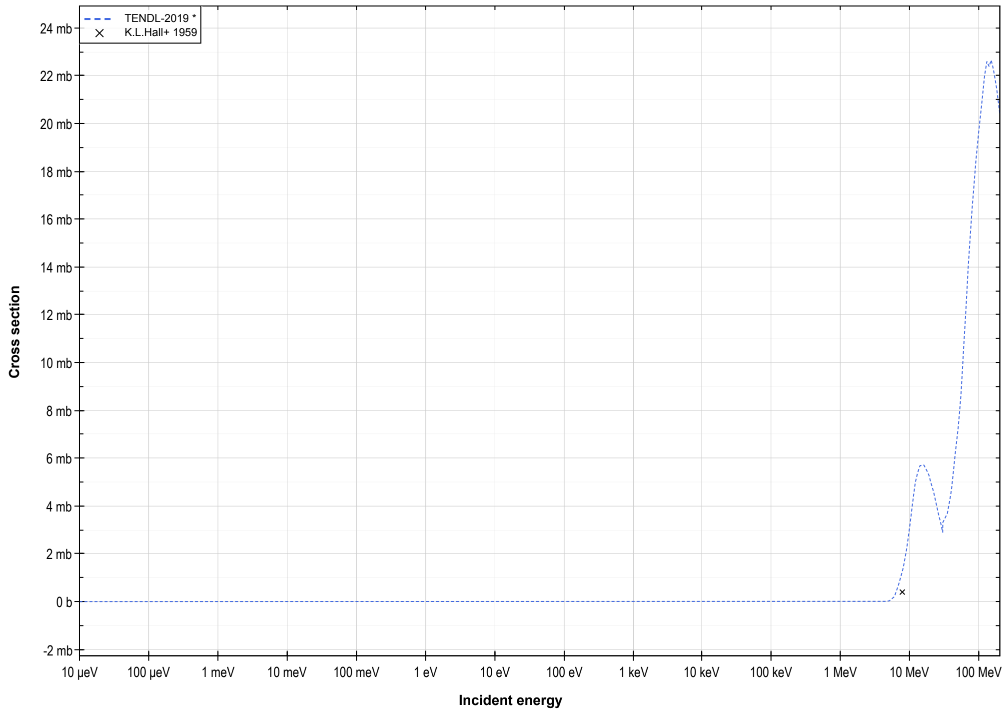
Reaction	Q-Value
Cd112(d,4n+α)Ag106	-25207.32 keV
Cd112(d,2n+2t)Ag106	-36539.39 keV
Cd112(d,3n+d+t)Ag106	-42796.62 keV
Cd112(d,4n+p+t)Ag106	-45021.19 keV
Cd112(d,5n+He3)Ag106	-45784.94 keV
Cd112(d,4n+2d)Ag106	-49053.85 keV
Cd112(d,5n+p+d)Ag106	-51278.42 keV
Cd112(d,6n+2p)Ag106	-53502.98 keV

<< 48-Cd-106	48-Cd-113	48-Cd-114 >>
<< 48-Cd-112 MT165 (d,4n+α)	MT107 (d,α) or MT5 (Ag111 production)	48-Cd-114 MT4 (d,n) >>

Cd113 (d,α) or Ag111 production log-log



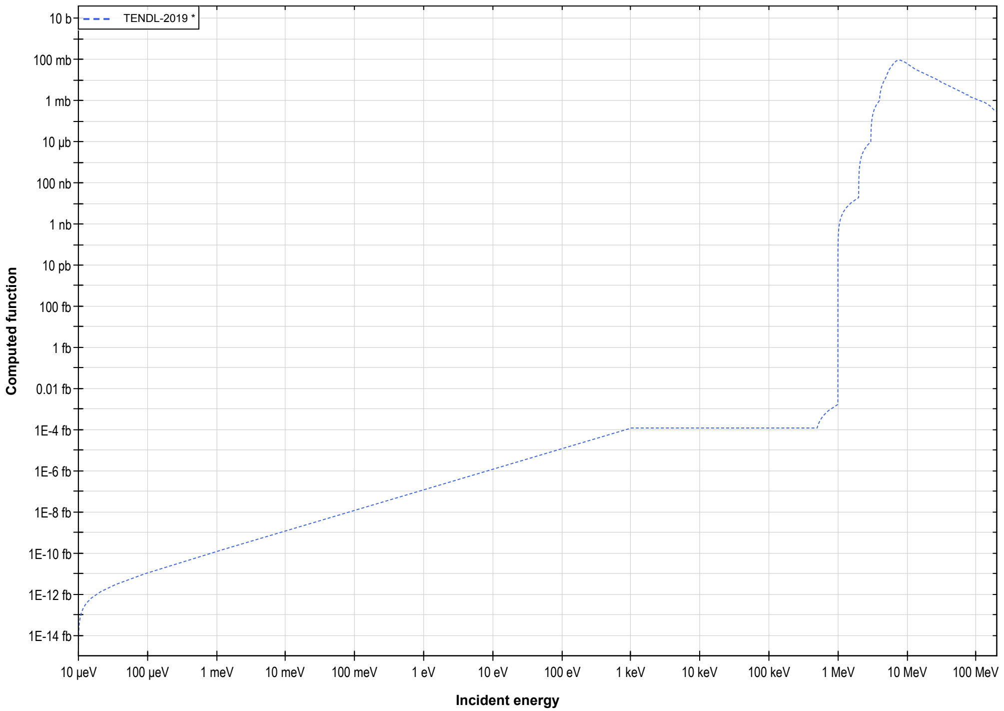
Cd113 (d,α) or Ag111 production lin-log



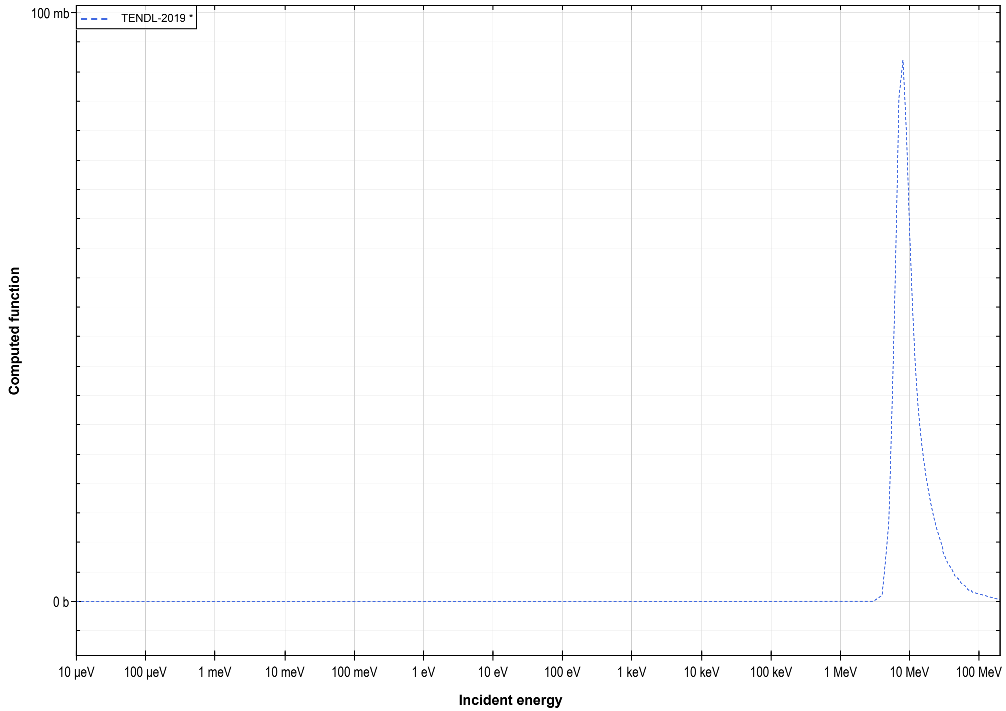
Reaction	Q-Value
Cd113(d,α)Ag111	9882.93 keV
Cd113(d,p+t)Ag111	-9930.94 keV
Cd113(d,n+He3)Ag111	-10694.69 keV
Cd113(d,2d)Ag111	-13963.60 keV
Cd113(d,n+p+d)Ag111	-16188.17 keV
Cd113(d,2n+2p)Ag111	-18412.73 keV

<< 46-Pd-110	**48-Cd-114**	52-Te-120 >>
<< 48-Cd-113 MT107 (d,α)	**MT4 (d,n) or MT5 (In115 production)**	MT16 (d,2n) >>

Cd114 (d,n) or In115 production log-log

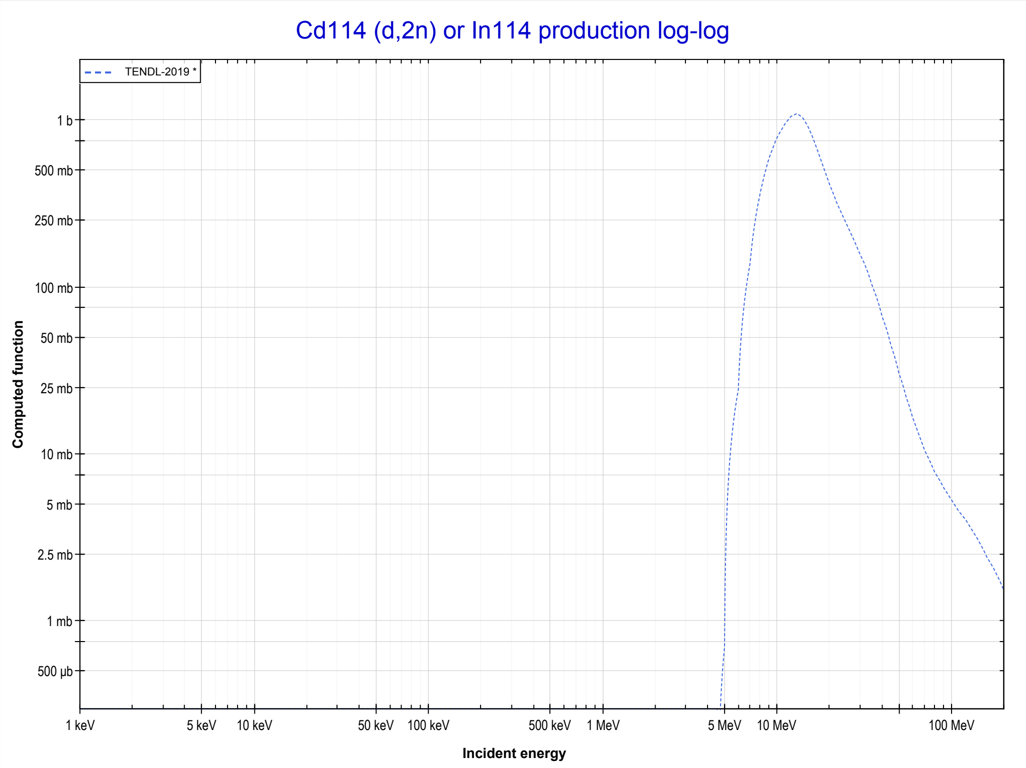


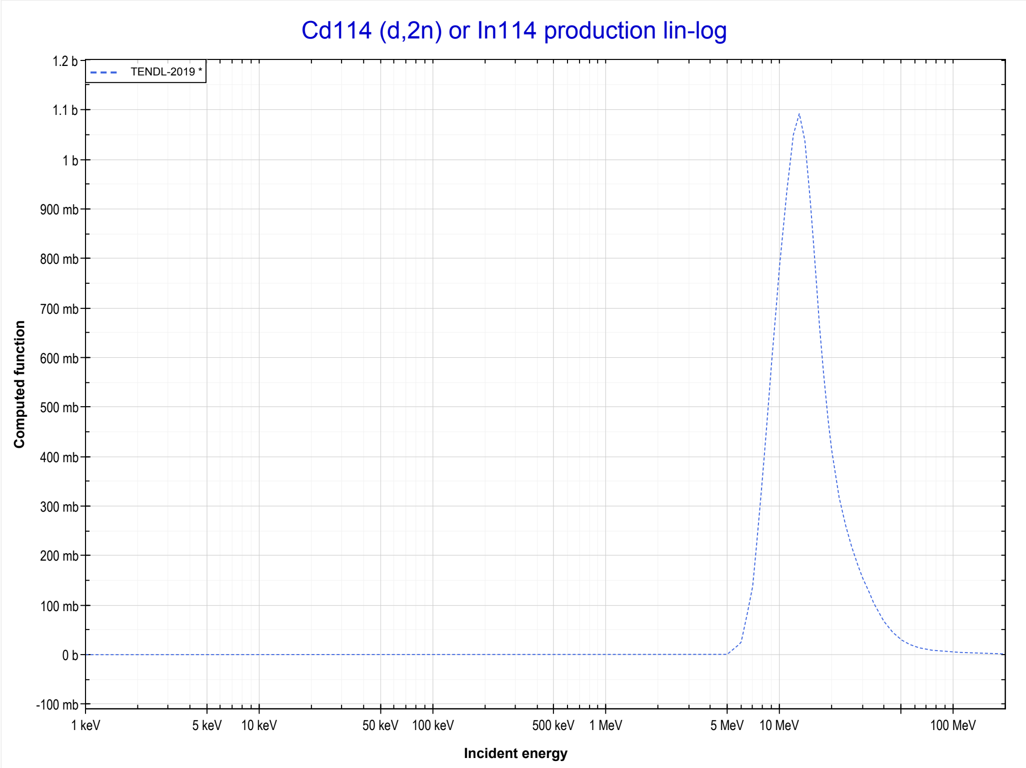
Cd114 (d,n) or In115 production lin-log



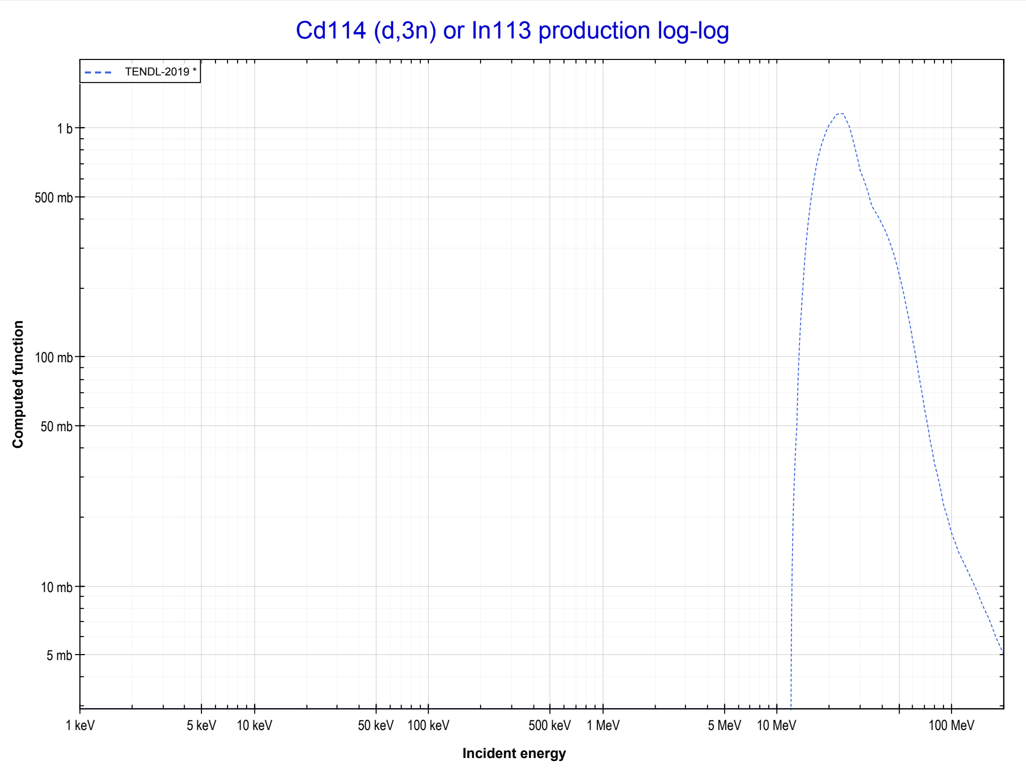
Reaction	Q-Value
Cd114(d,n)In115	4585.82 keV

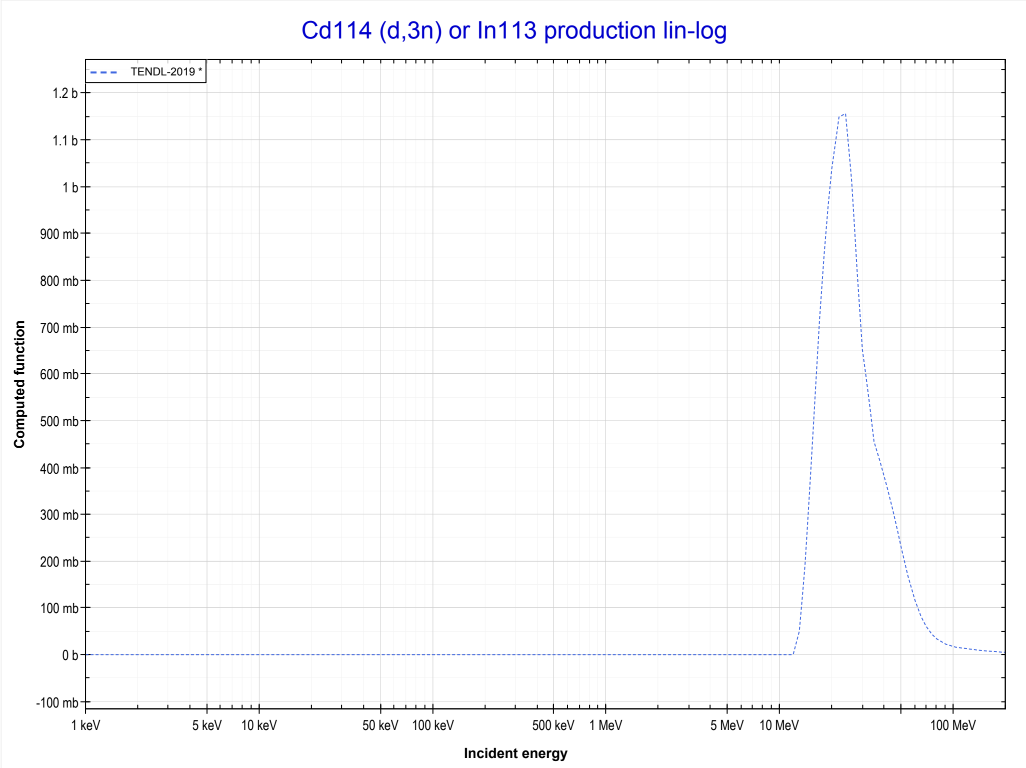
<< 48-Cd-110	**48-Cd-114**	48-Cd-116 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (In114 production)**	MT17 (d,3n) >>





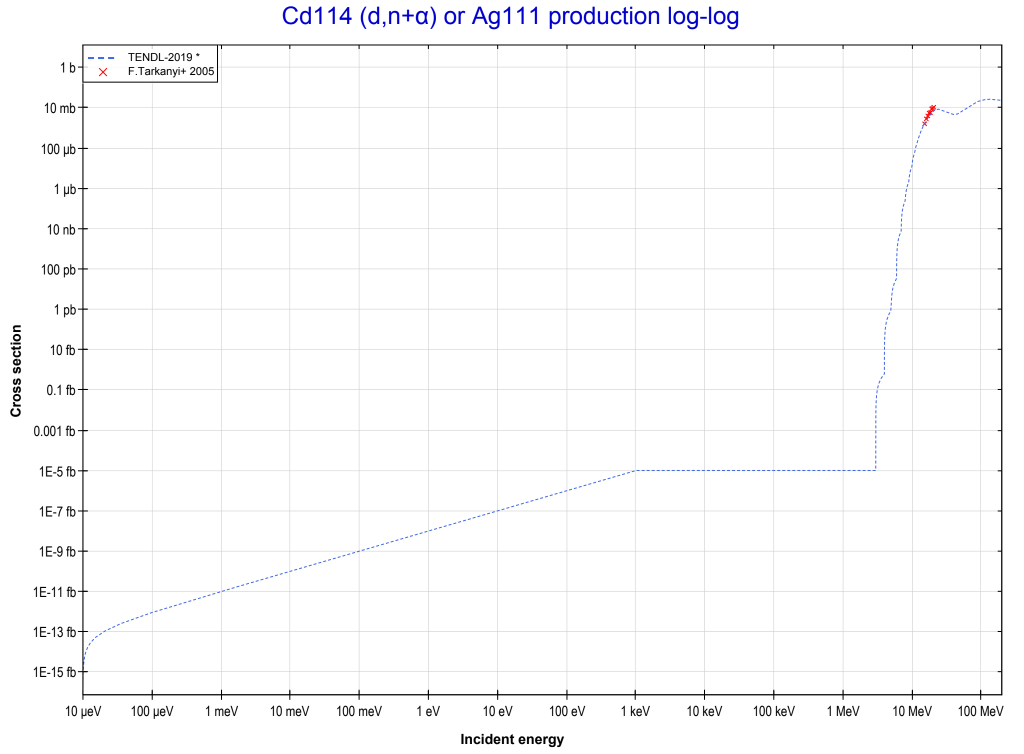
Reaction	Q-Value
Cd114(d,2n)In114	-4452.04 keV

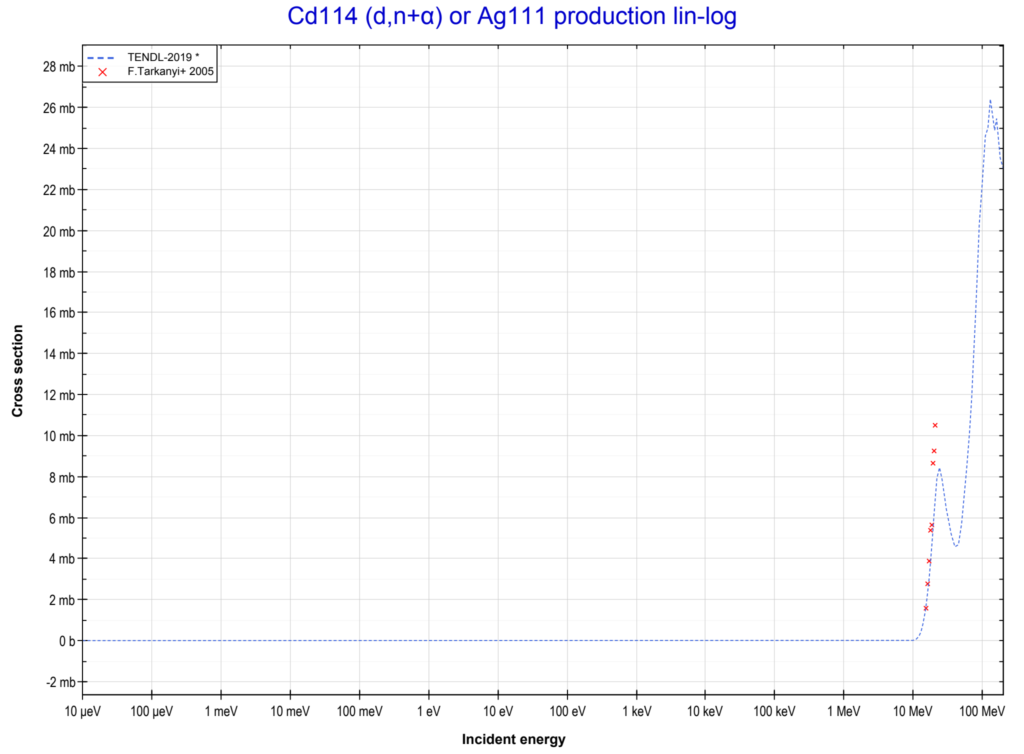




Reaction	Q-Value
Cd114(d,3n)In113	-11726.04 keV

<< 40-Zr-91	**48-Cd-114**	74-W-186 >>
<< MT17 (d,3n)	**MT22 (d,n+α) or MT5 (Ag111 production)**	MT103 (d,p) >>

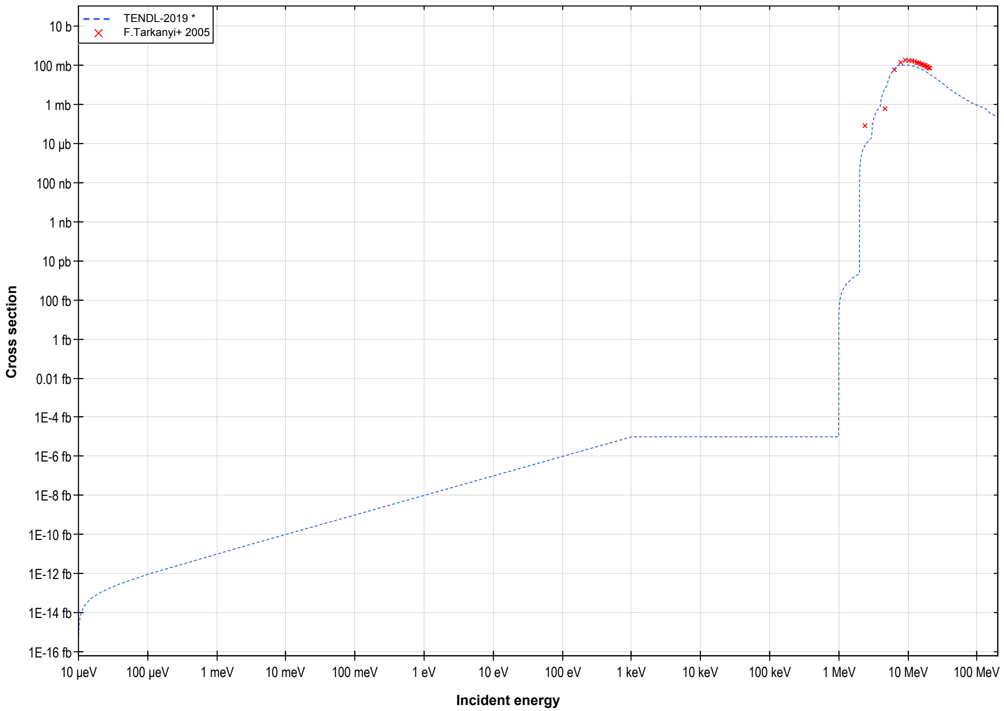




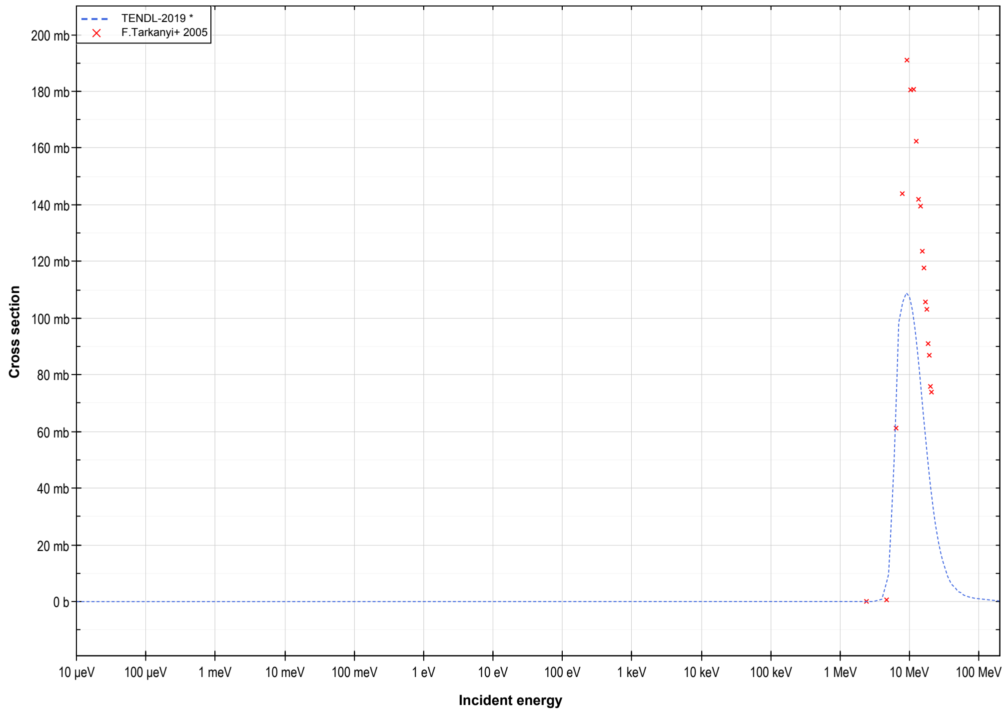
Reaction	Q-Value
Cd114(d,n+α)Ag111	839.96 keV
Cd114(d,d+t)Ag111	-16749.34 keV
Cd114(d,n+p+t)Ag111	-18973.91 keV
Cd114(d,2n+He3)Ag111	-19737.66 keV
Cd114(d,n+2d)Ag111	-23006.57 keV
Cd114(d,2n+p+d)Ag111	-25231.13 keV
Cd114(d,3n+2p)Ag111	-27455.70 keV

<< 47-Ag-109	**48-Cd-114**	48-Cd-116 >>
<< MT22 (d,n+α)	**MT103 (d,p) or MT5 (Cd115 production)**	MT107 (d,α) >>

Cd114 (d,p) or Cd115 production log-log



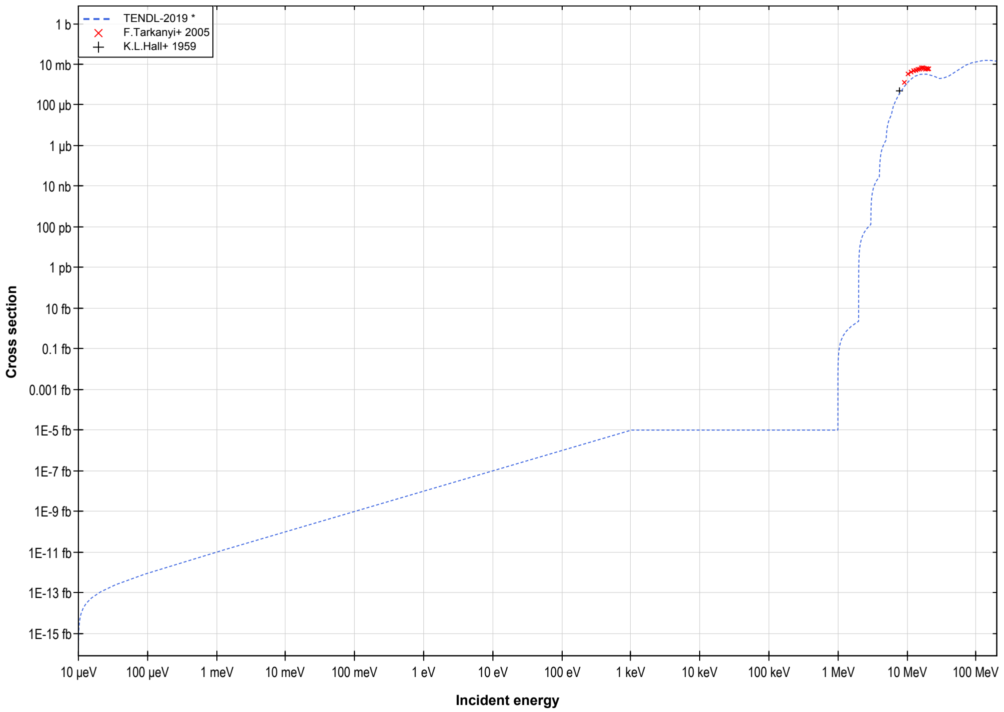
Cd114 (d,p) or Cd115 production lin-log



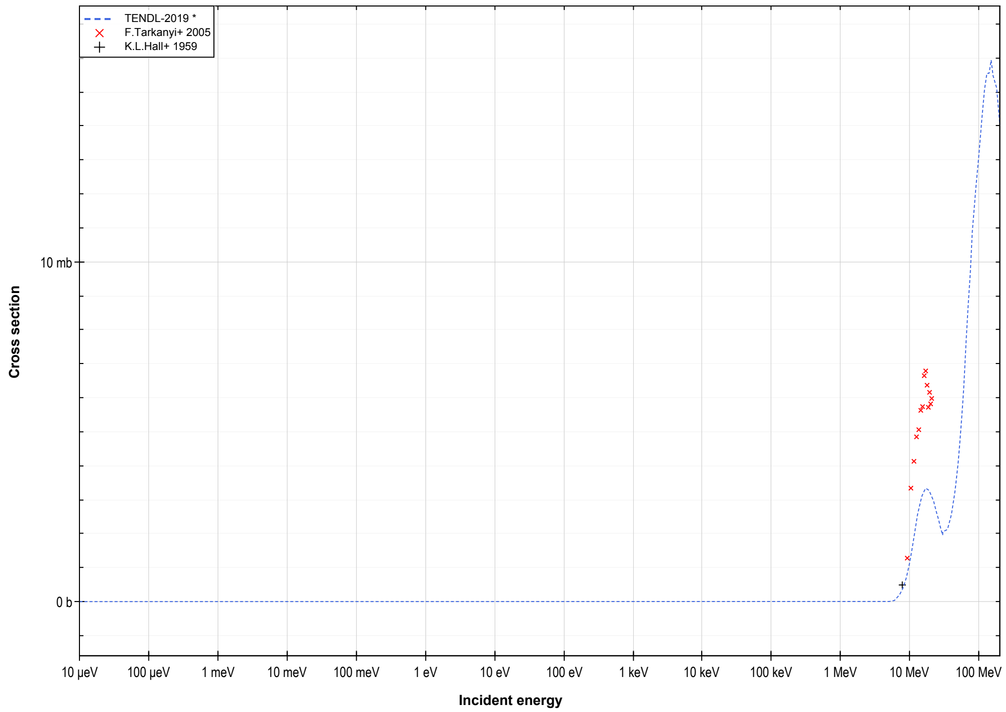
Reaction	Q-Value
Cd114(d,p)Cd115	3916.32 keV

<< 48-Cd-113	**48-Cd-114**	52-Te-122 >>
<< MT103 (d,p)	**MT107 (d,α) or MT5 (Ag112 production)**	48-Cd-116 MT16 (d,2n) >>

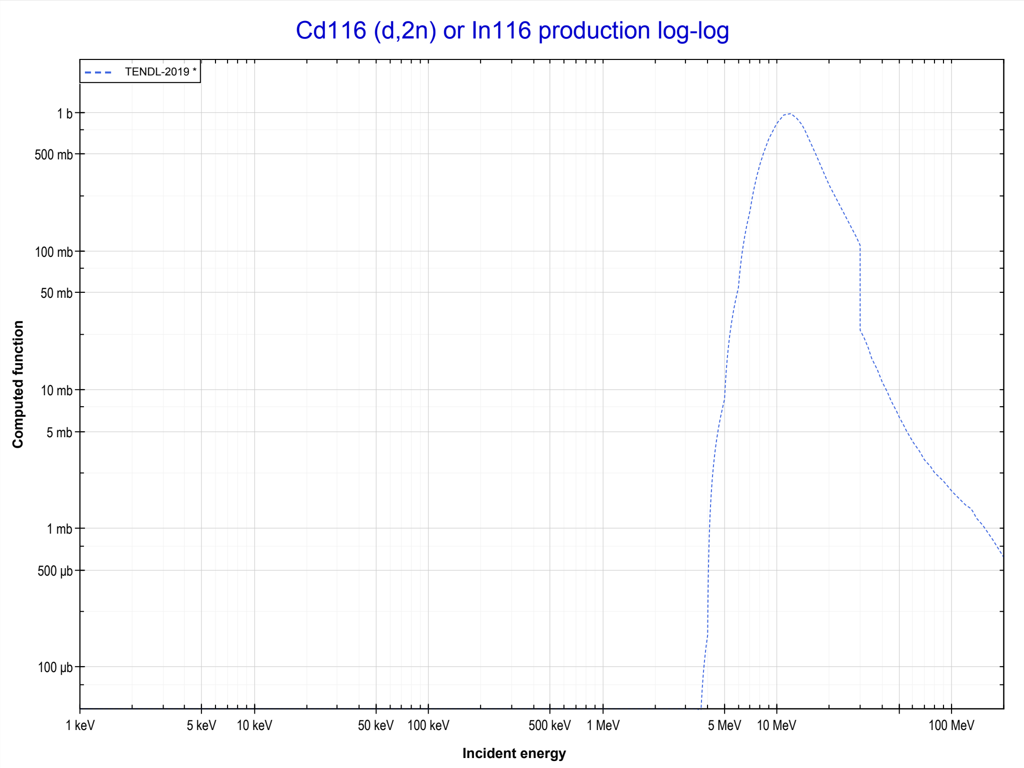
Cd114 (d,α) or Ag112 production log-log

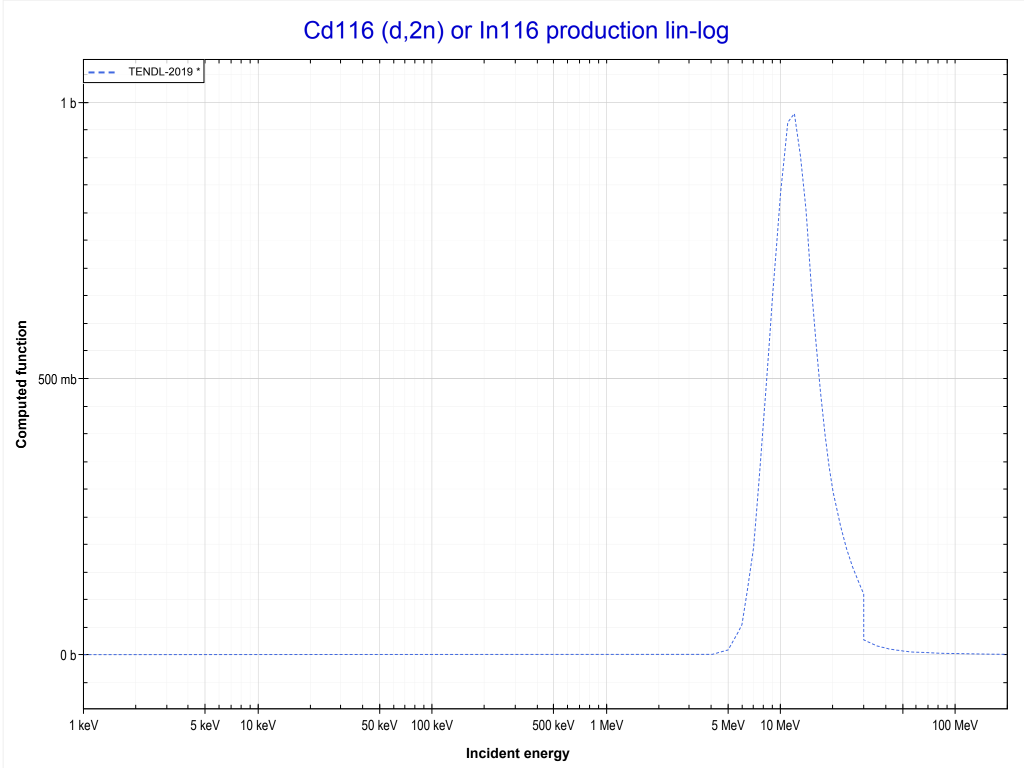


Cd114 (d,α) or Ag112 production lin-log



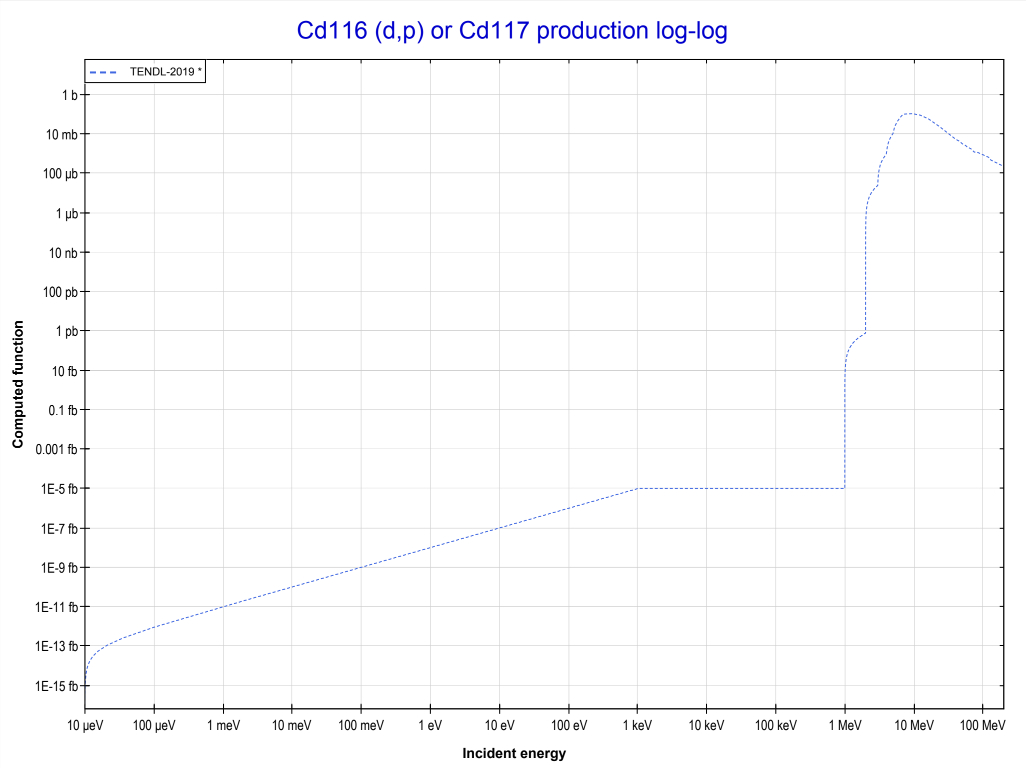
Reaction	Q-Value
Cd114(d,α)Ag112	7279.58 keV
Cd114(d,p+t)Ag112	-12534.29 keV
Cd114(d,n+He3)Ag112	-13298.04 keV
Cd114(d,2d)Ag112	-16566.95 keV
Cd114(d,n+p+d)Ag112	-18791.52 keV
Cd114(d,2n+2p)Ag112	-21016.08 keV

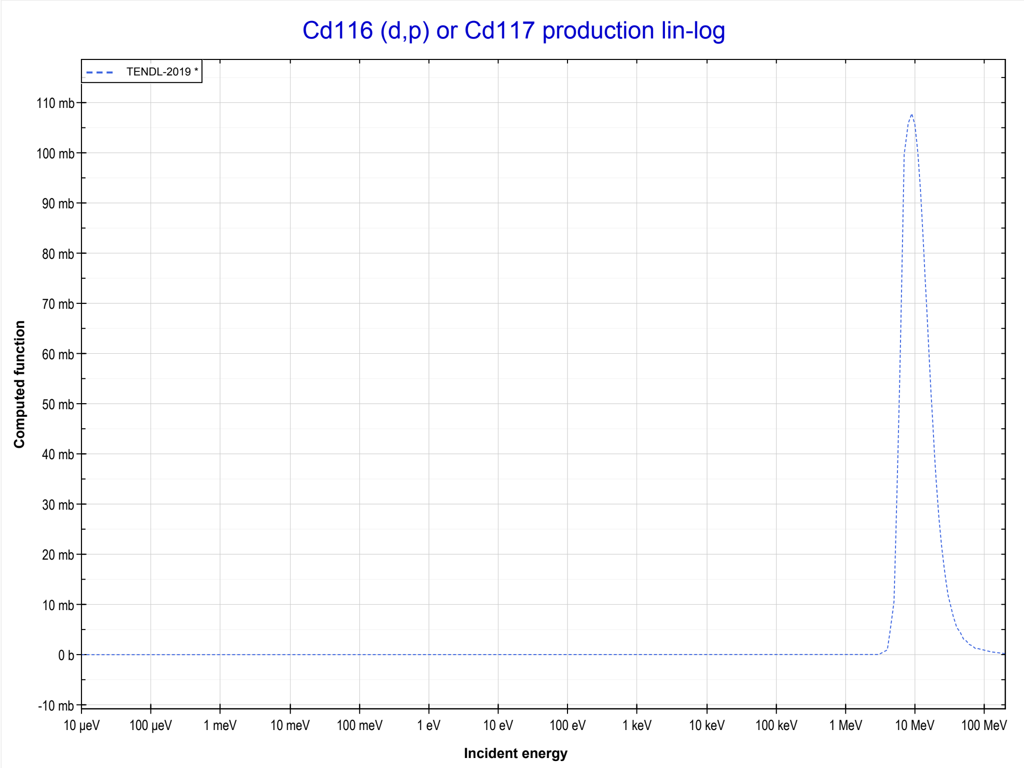




Reaction	Q-Value
Cd116(d,2n)In116	-3469.64 keV

<< 48-Cd-114	**48-Cd-116**	52-Te-122 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Cd117 production)**	49-In-115 MT104 (d,d) >>

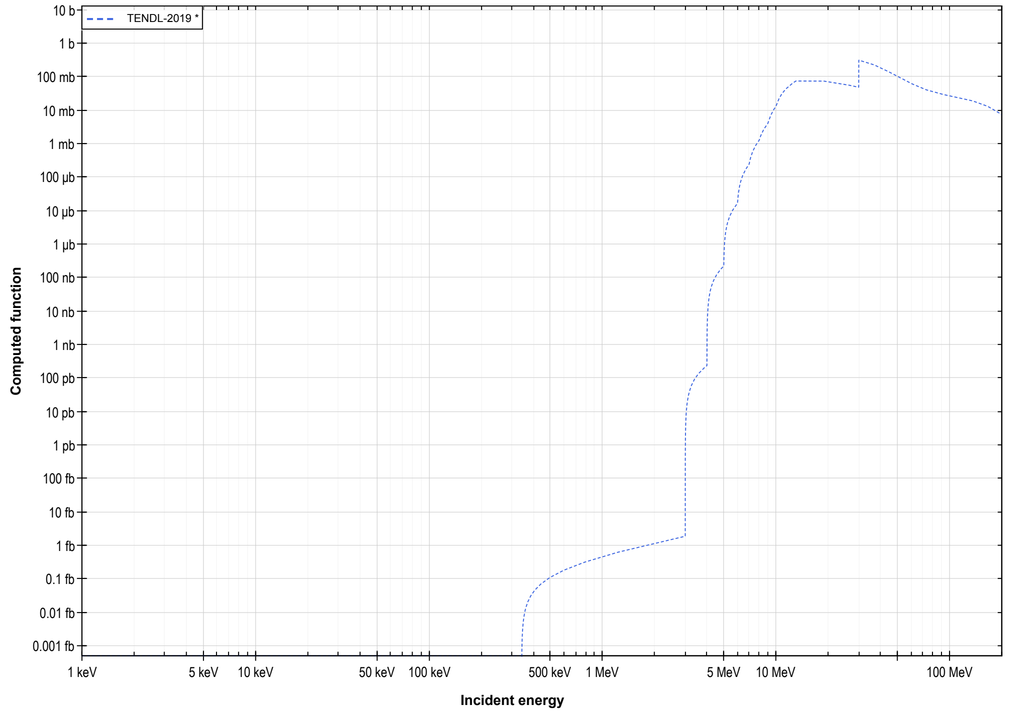




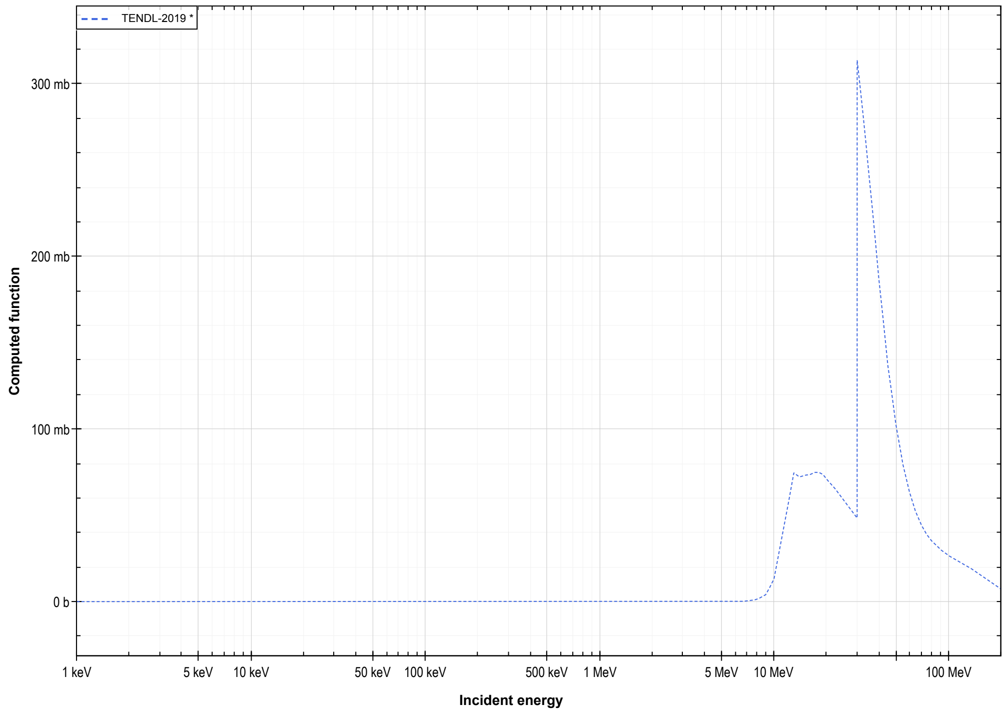
Reaction	Q-Value
Cd116(d,p)Cd117	3552.67 keV

<< 48-Cd-111	**49-In-115**	
<< 48-Cd-116 MT103 (d,p)	**MT104 (d,d) or MT5 (In115 production)**	MT112 (d,p+α) >>

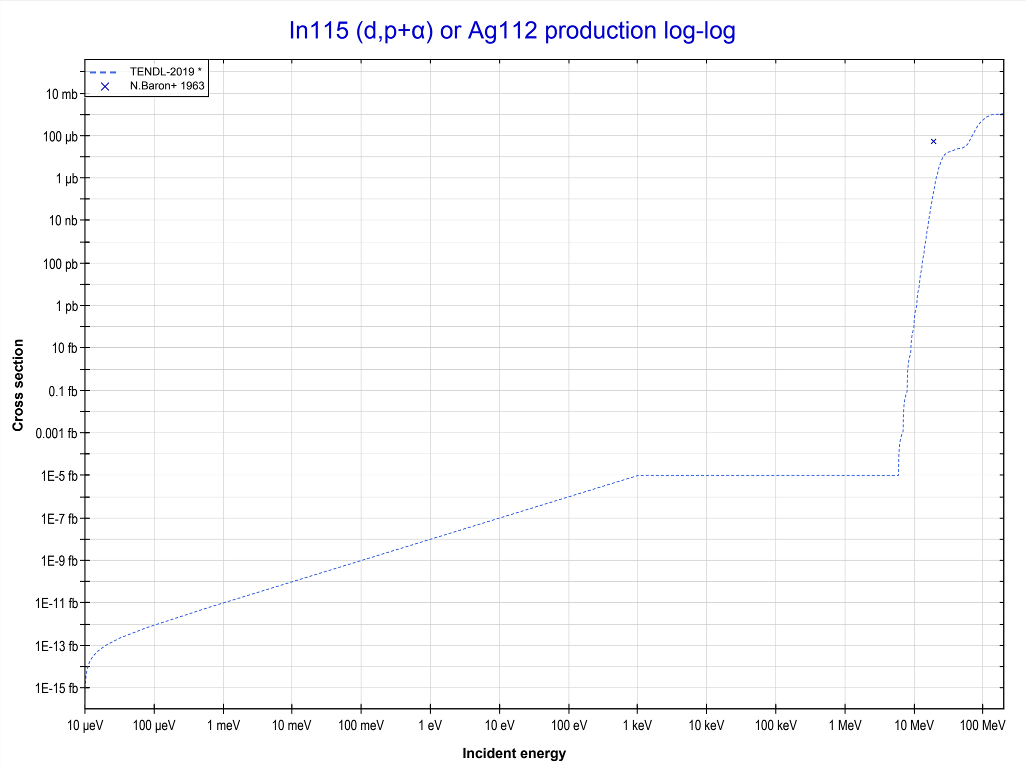
In115 (d,d) or In115 production log-log

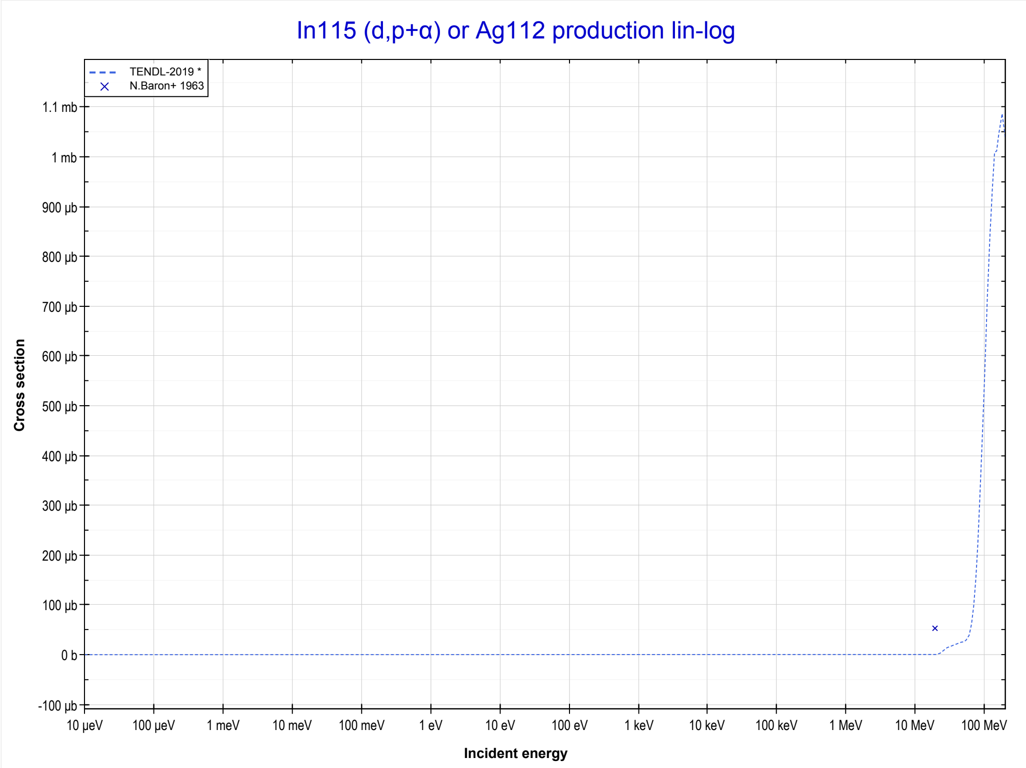


In115 (d,d) or In115 production lin-log



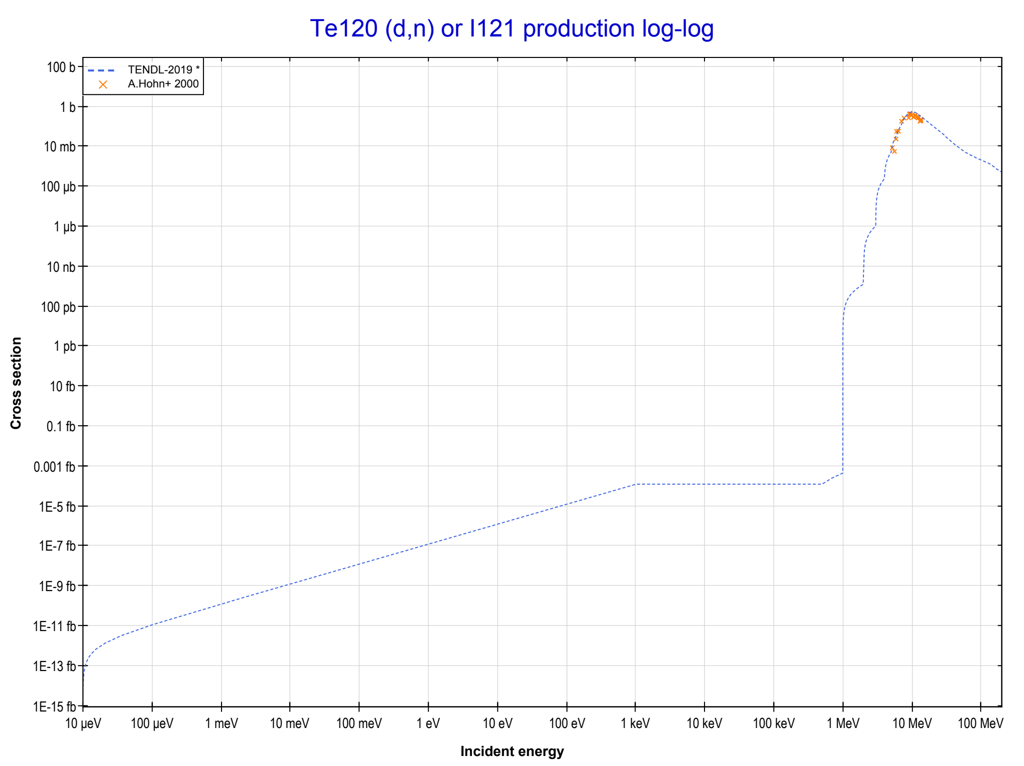
Reaction	Q-Value
In115(d,d)In115	0.00 keV
In115(d,n+p)In115	-2224.57 keV

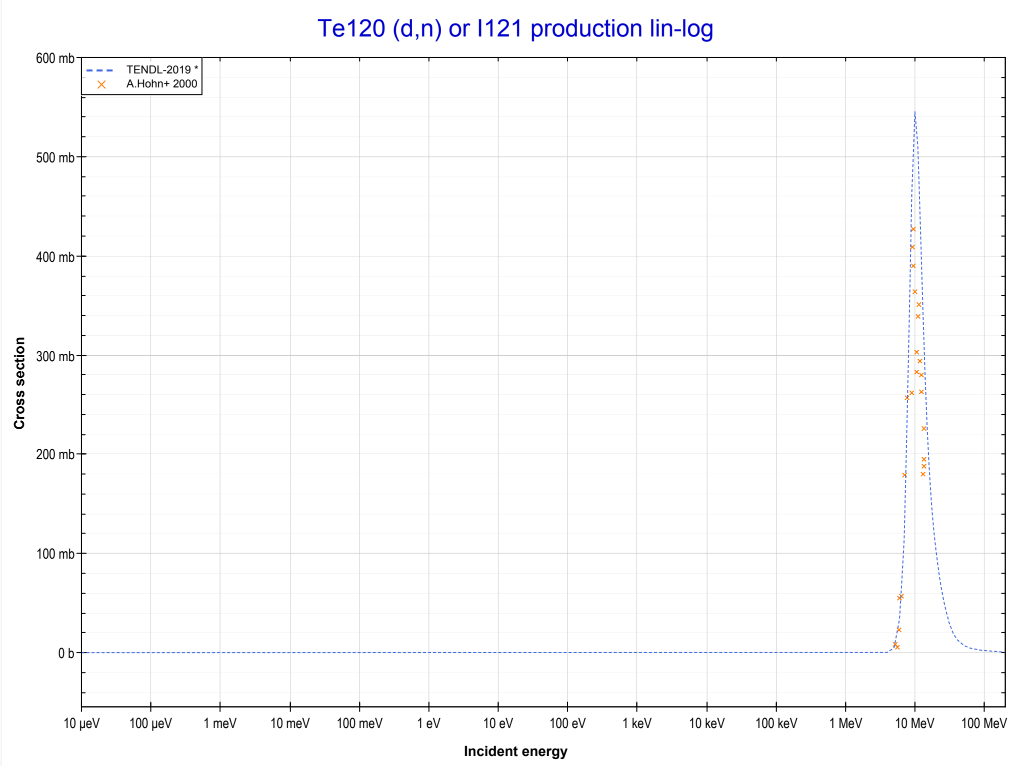




Reaction	Q-Value
In115(d,p+α)Ag112	469.19 keV
In115(d,d+He3)Ag112	-17883.86 keV
In115(d,2p+t)Ag112	-19344.68 keV
In115(d,n+p+He3)Ag112	-20108.43 keV
In115(d,p+2d)Ag112	-23377.34 keV
In115(d,n+2p+d)Ag112	-25601.90 keV
In115(d,2n+3p)Ag112	-27826.47 keV

<< 48-Cd-114	**52-Te-120**	52-Te-122 >>
<< 49-In-115 MT112 (d,p+α)	**MT4 (d,n) or MT5 (I121 production)**	MT16 (d,2n) >>

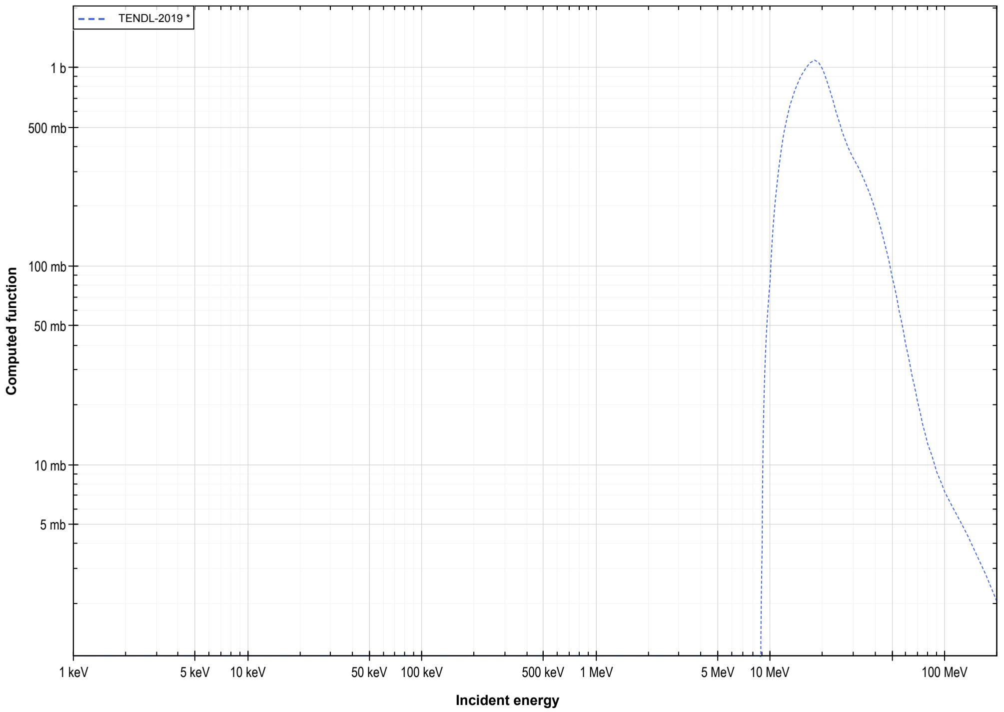




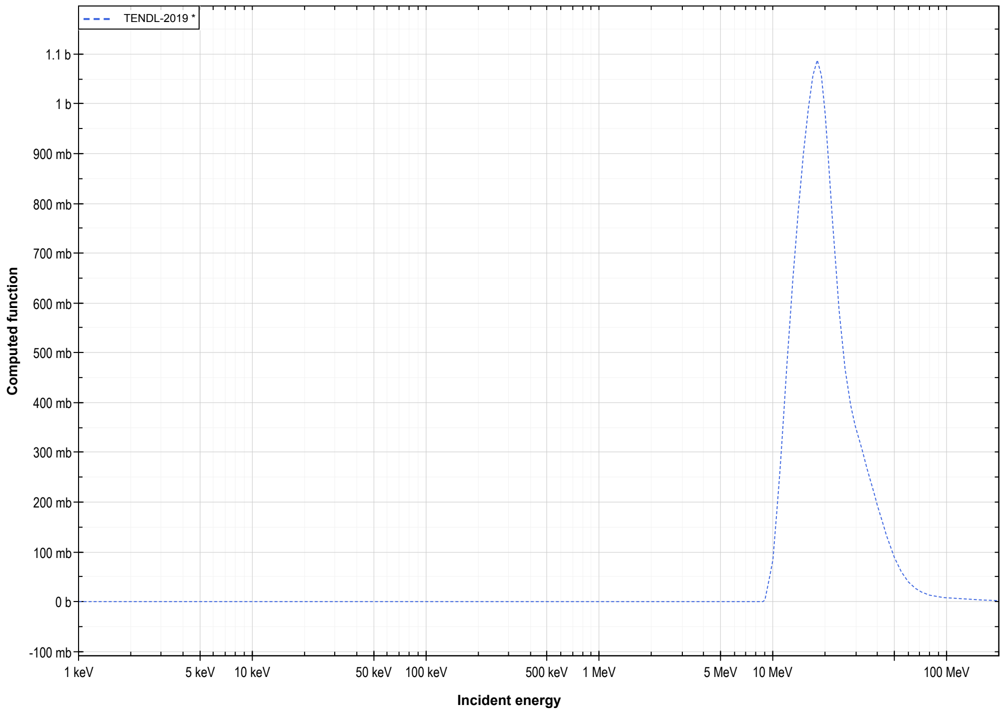
Reaction	Q-Value
Te120(d,n)I121	1947.40 keV

<< 48-Cd-116	**52-Te-120**	52-Te-122 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (I120 production)**	52-Te-122 MT4 (d,n) >>

Te120 (d,2n) or I120 production log-log

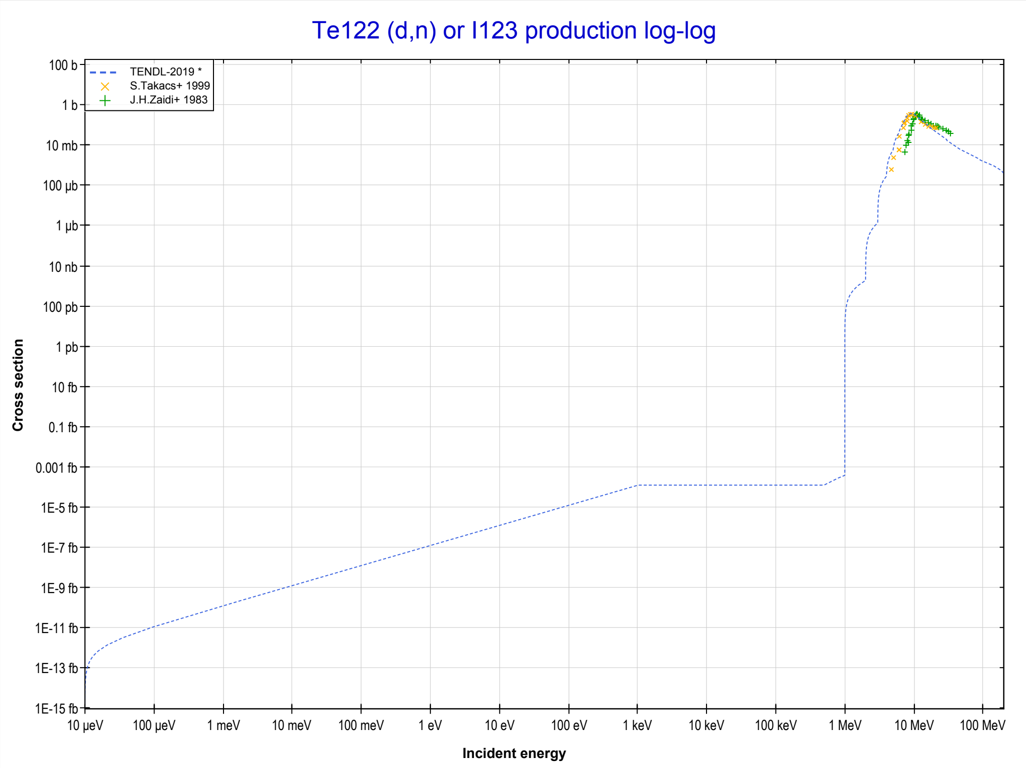


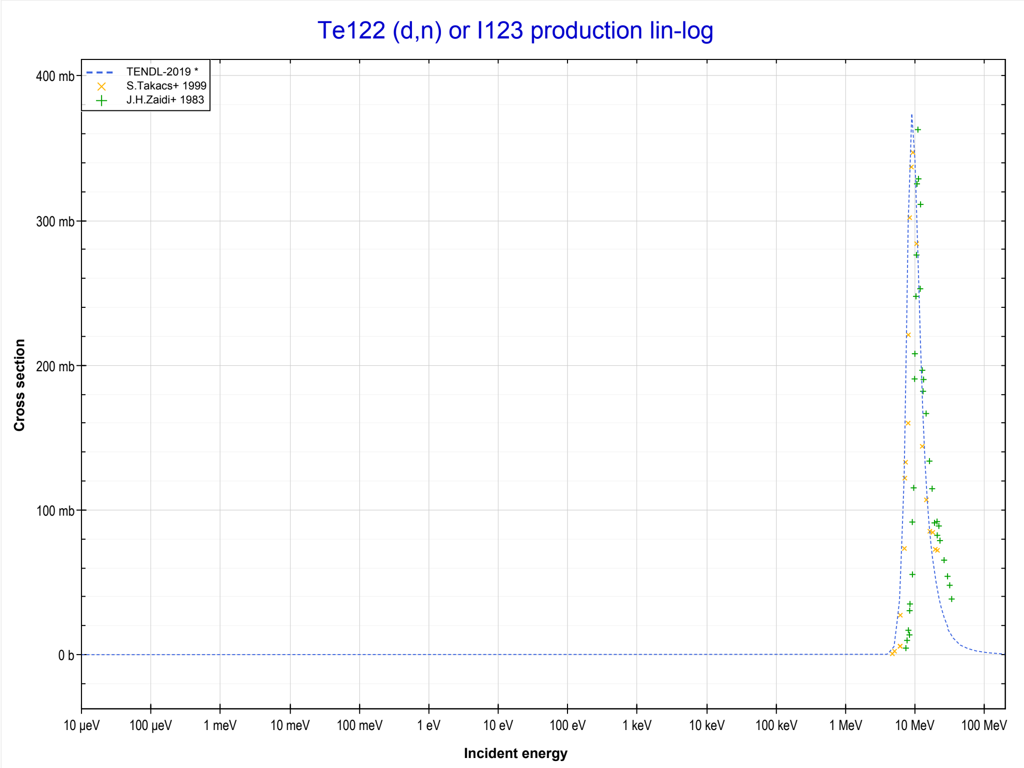
Te120 (d,2n) or I120 production lin-log



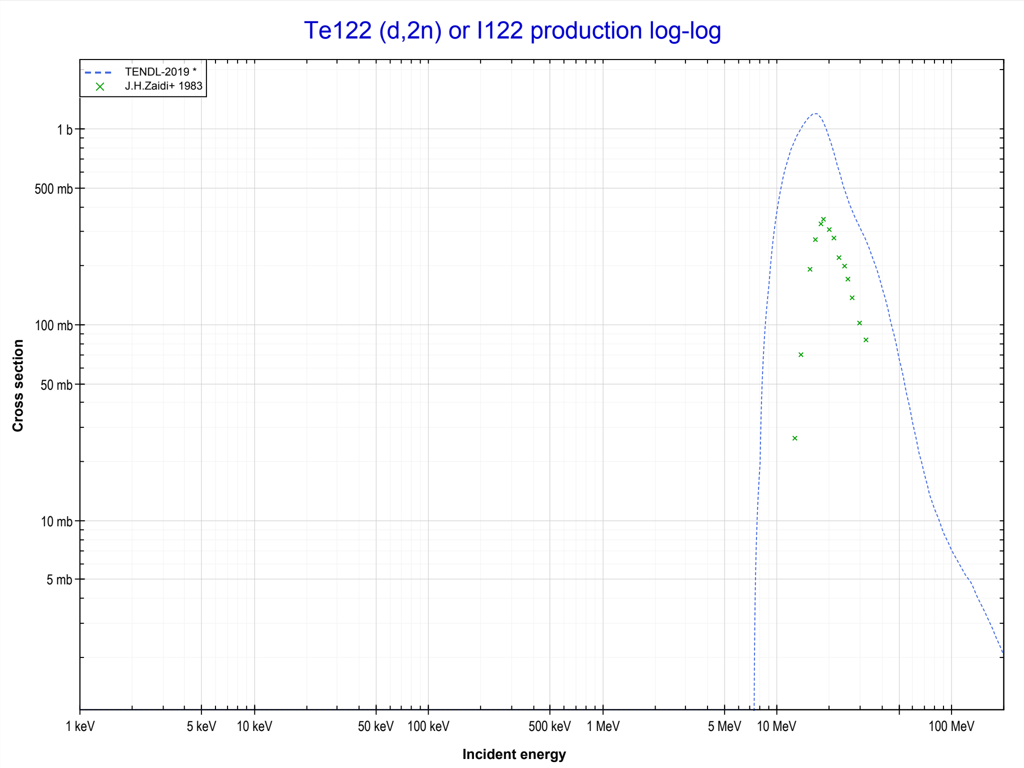
Reaction	Q-Value
Te120(d,2n)I120	-8621.91 keV

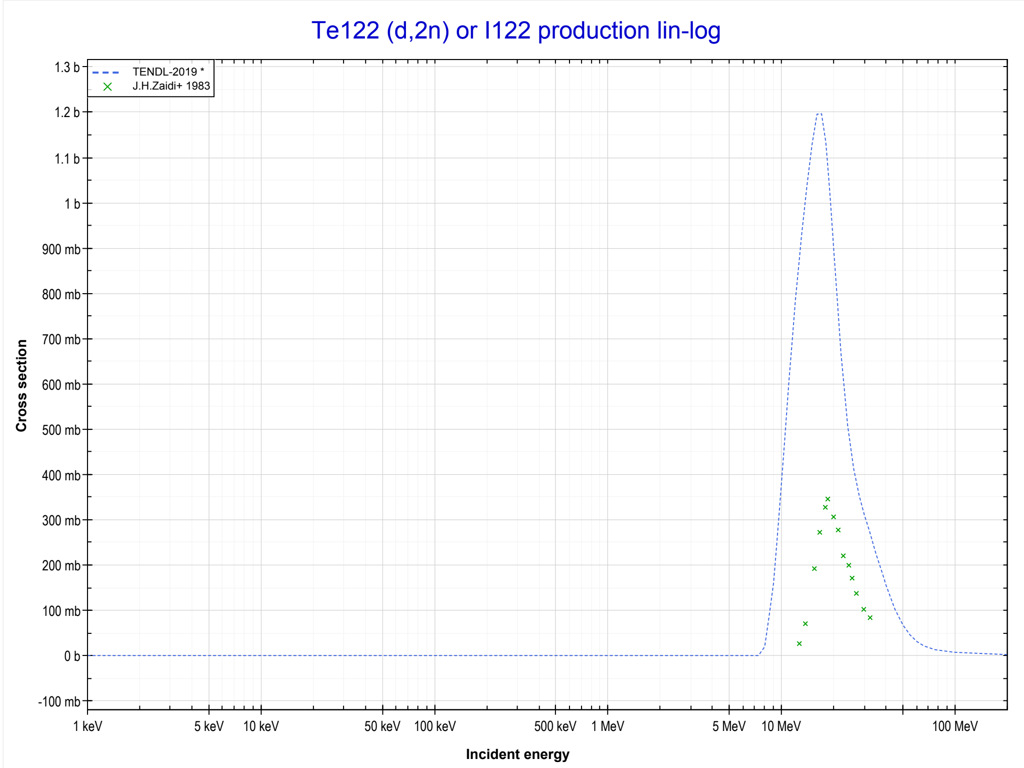
<< 52-Te-120	**52-Te-122**	52-Te-123 >>
<< 52-Te-120 MT16 (d,2n)	**MT4 (d,n) or MT5 (I123 production)**	MT16 (d,2n) >>





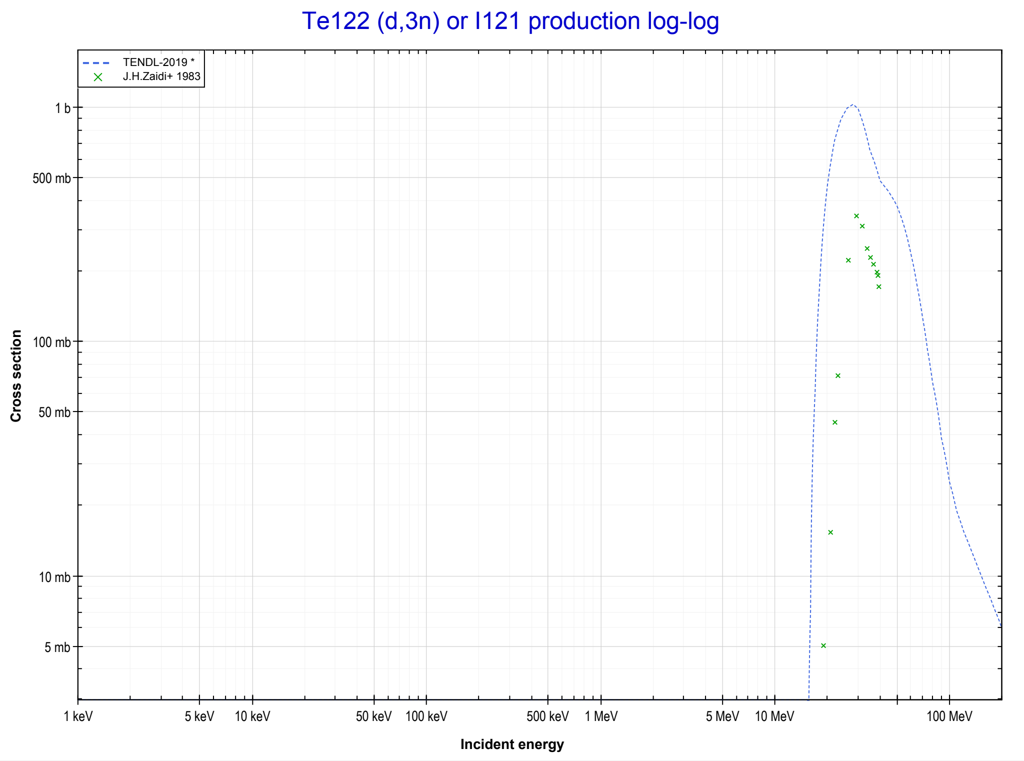
Reaction	Q-Value
Te122(d,n)I123	2693.90 keV

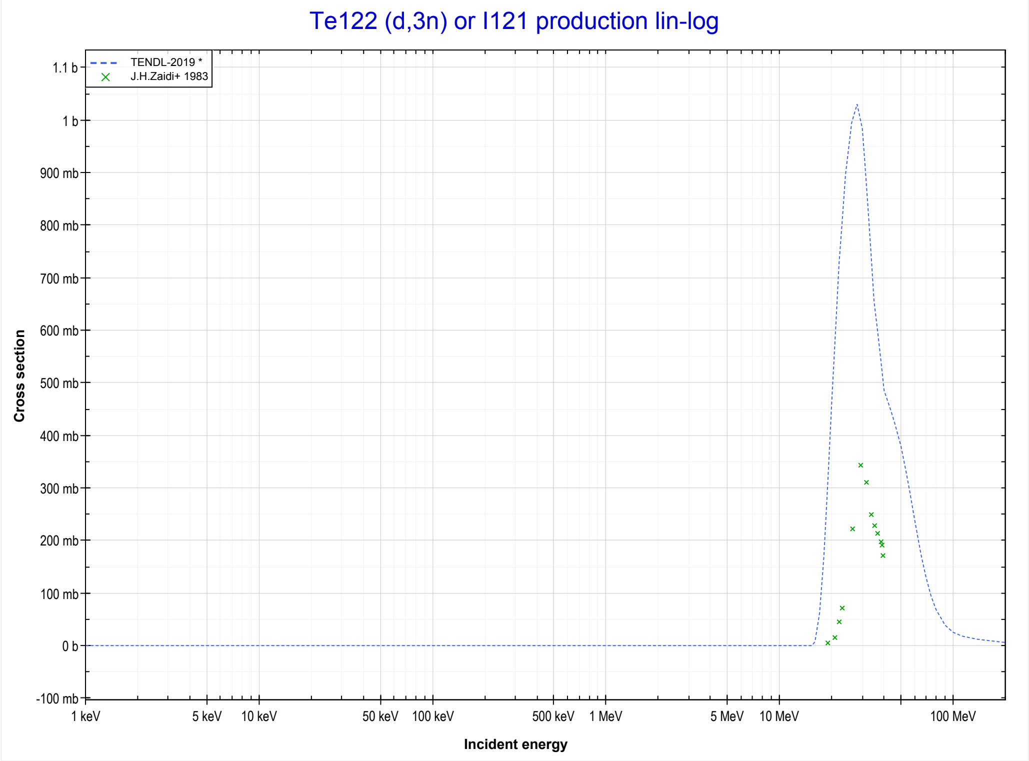




Reaction	Q-Value
Te122(d,2n)I122	-7241.41 keV

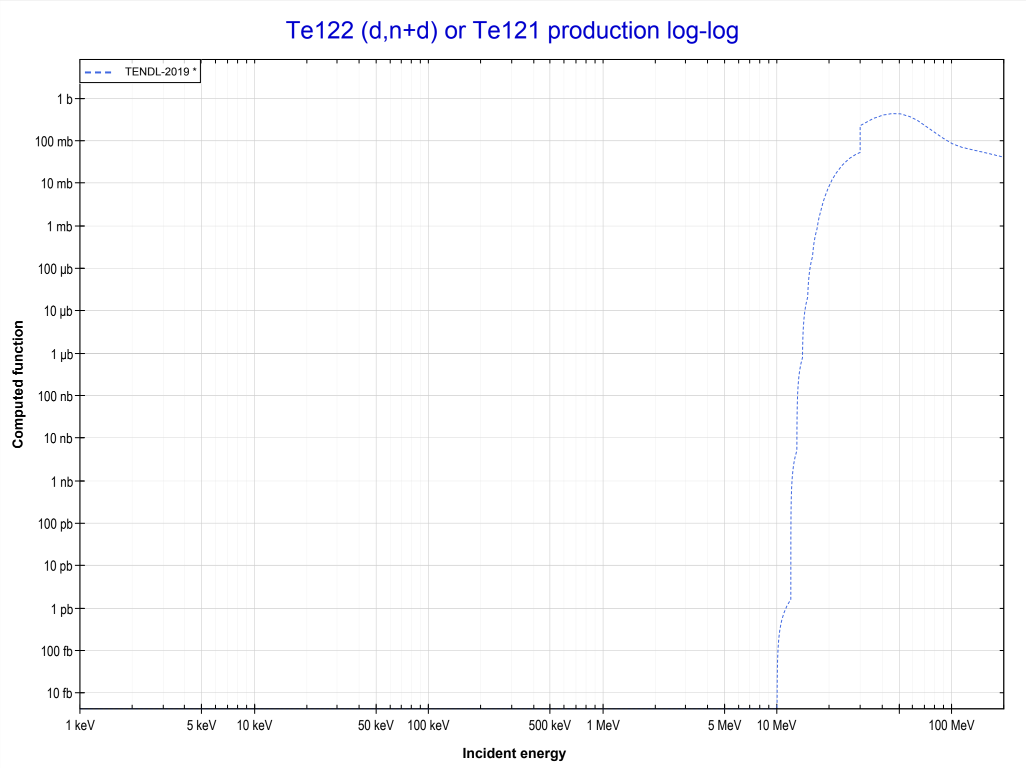
<< 48-Cd-114	**52-Te-122**	52-Te-124 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (I121 production)**	MT32 (d,n+d) >>

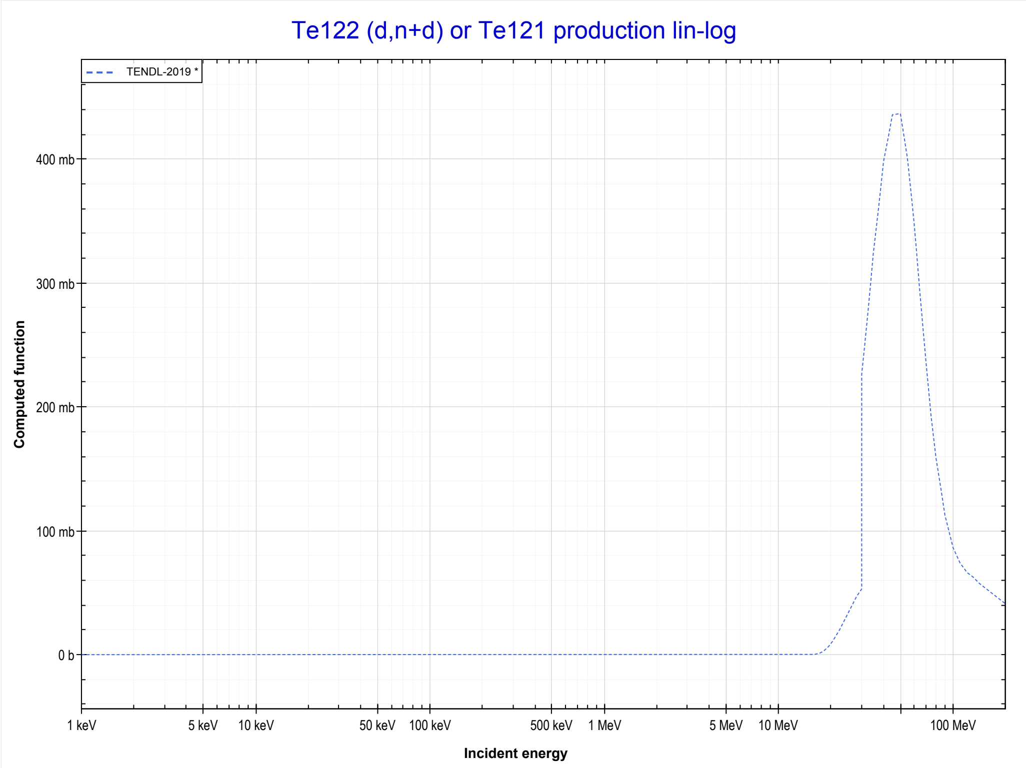




Reaction	Q-Value
Te122(d,3n)I121	-15141.73 keV

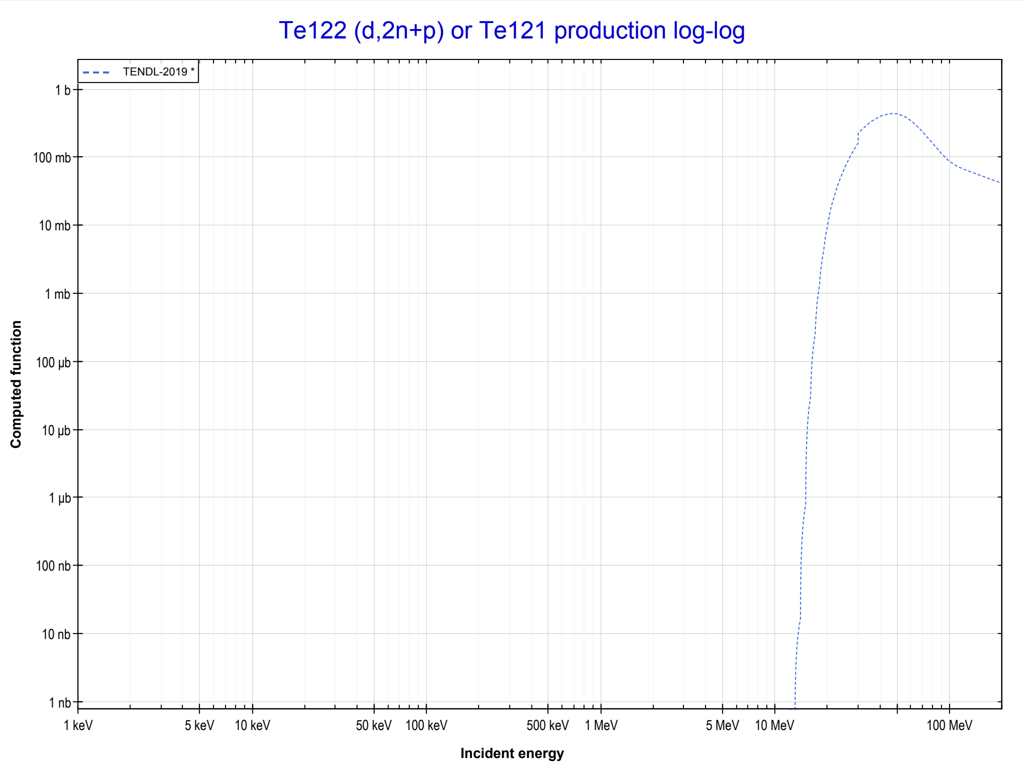
<< 47-Ag-107	**52-Te-122**	53-I-127 >>
<< MT17 (d,3n)	**MT32 (d,n+d) or MT5 (Te121 production)**	MT41 (d,2n+p) >>

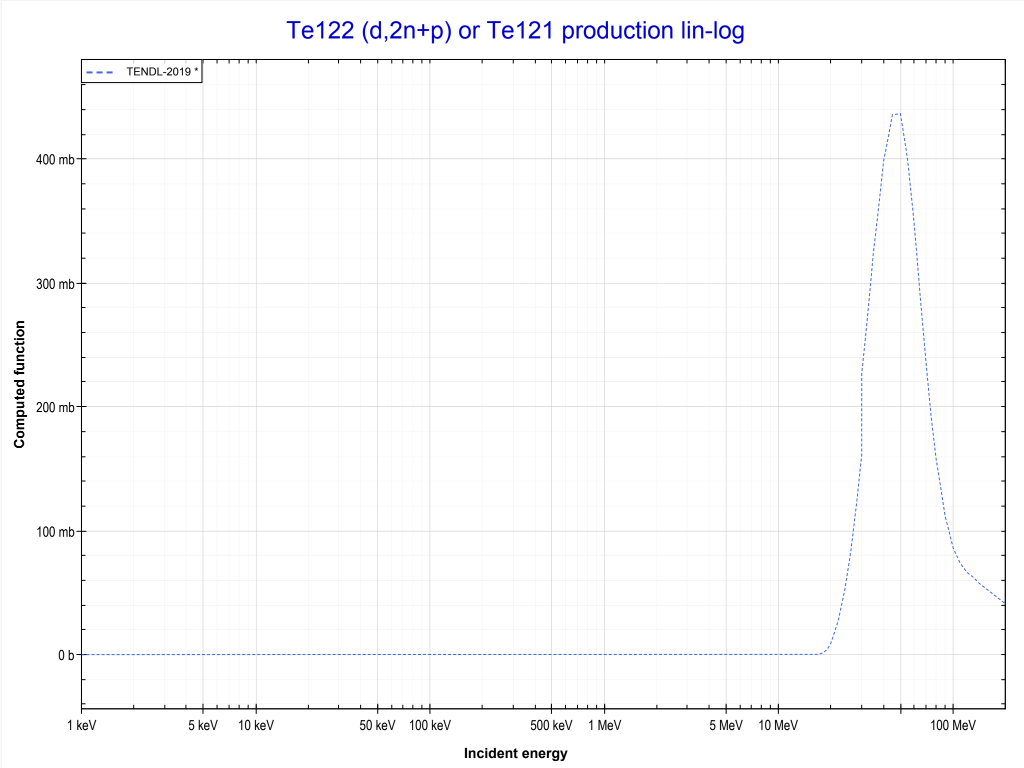




Reaction	Q-Value
Te122(d,t)Te121	-3582.59 keV
Te122(d,n+d)Te121	-9839.82 keV
Te122(d,2n+p)Te121	-12064.38 keV

<< 47-Ag-107	**52-Te-122**	53-I-127 >>
<< MT32 (d,n+d)	**MT41 (d,2n+p) or MT5 (Te121 production)**	MT103 (d,p) >>

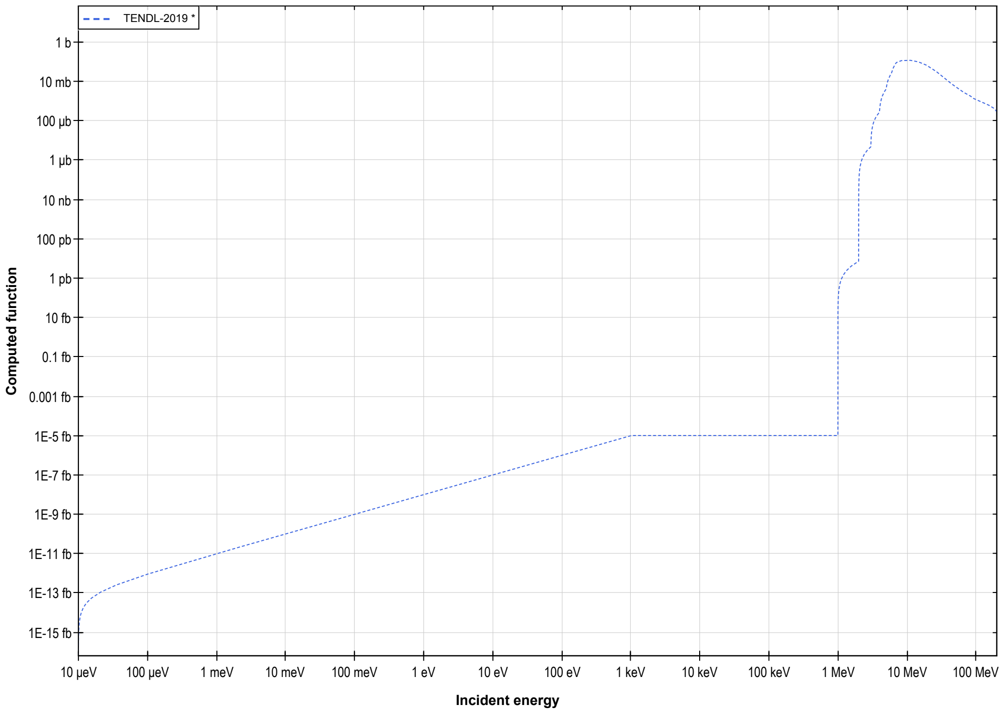




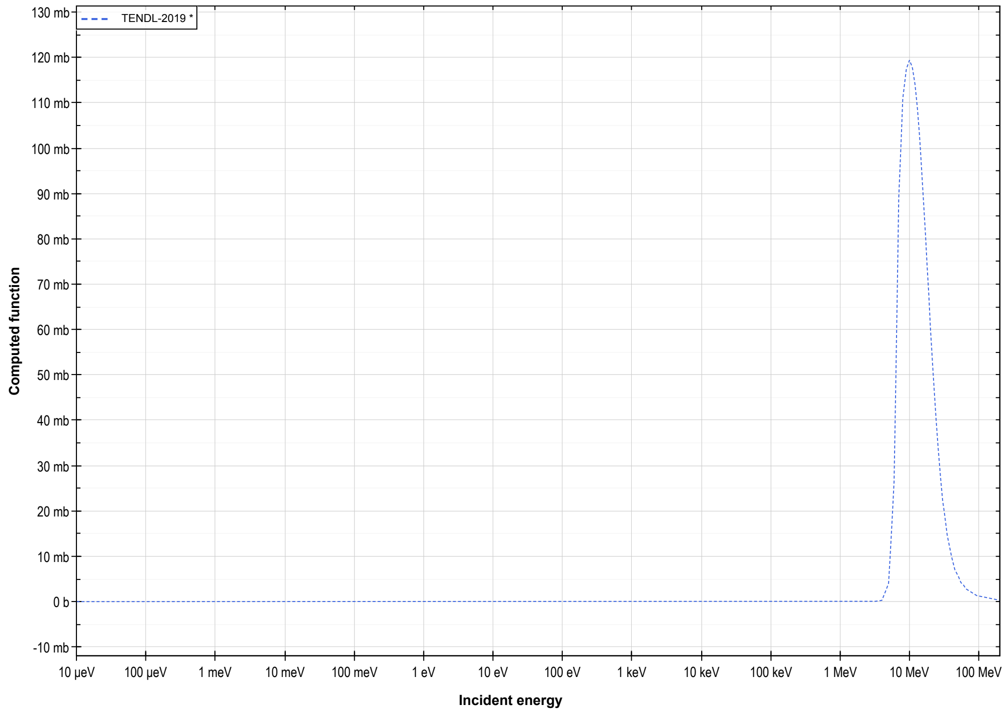
Reaction	Q-Value
Te122(d,t)Te121	-3582.59 keV
Te122(d,n+d)Te121	-9839.82 keV
Te122(d,2n+p)Te121	-12064.38 keV

<< 48-Cd-116	**52-Te-122**	52-Te-130 >>
<< MT41 (d,2n+p)	**MT103 (d,p) or MT5 (Te123 production)**	MT105 (d,t) >>

Te122 (d,p) or Te123 production log-log

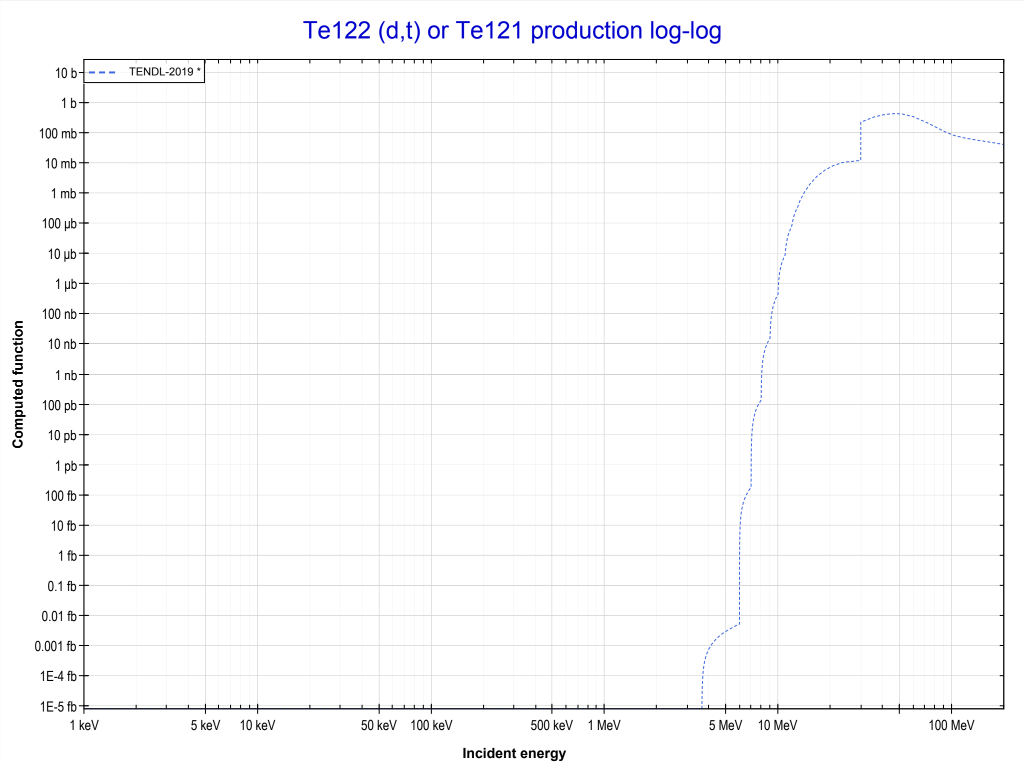


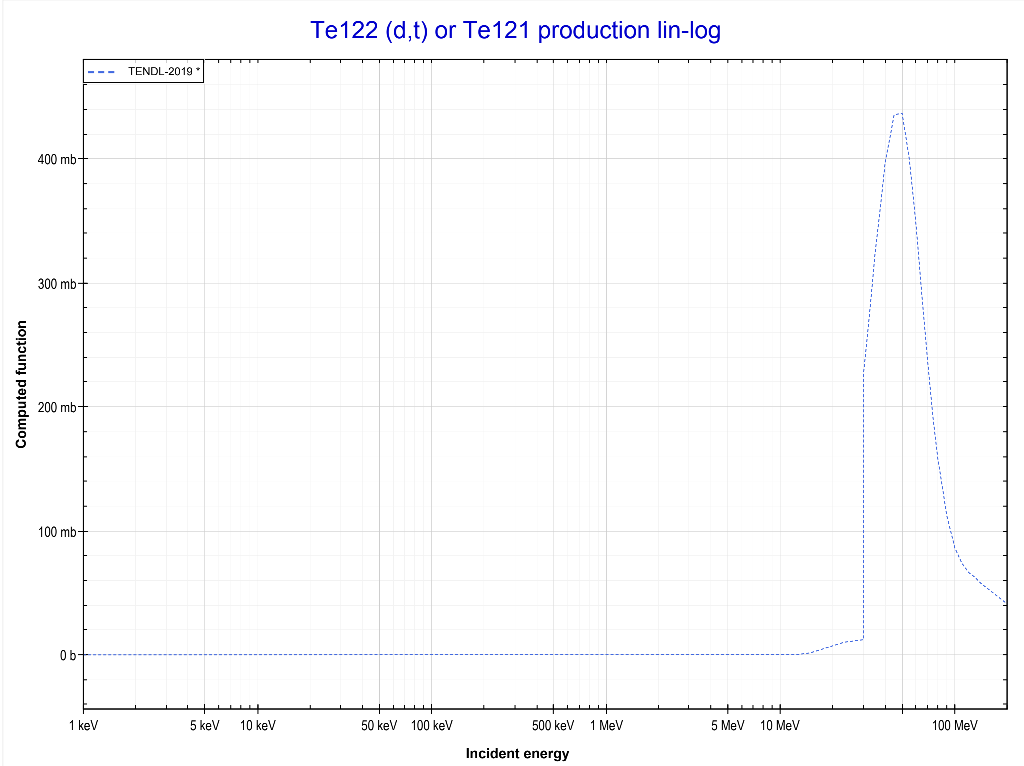
Te122 (d,p) or Te123 production lin-log



Reaction	Q-Value
Te122(d,p)Te123	4704.45 keV

<< 47-Ag-107	**52-Te-122**	53-I-127 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Te121 production)**	MT107 (d,α) >>

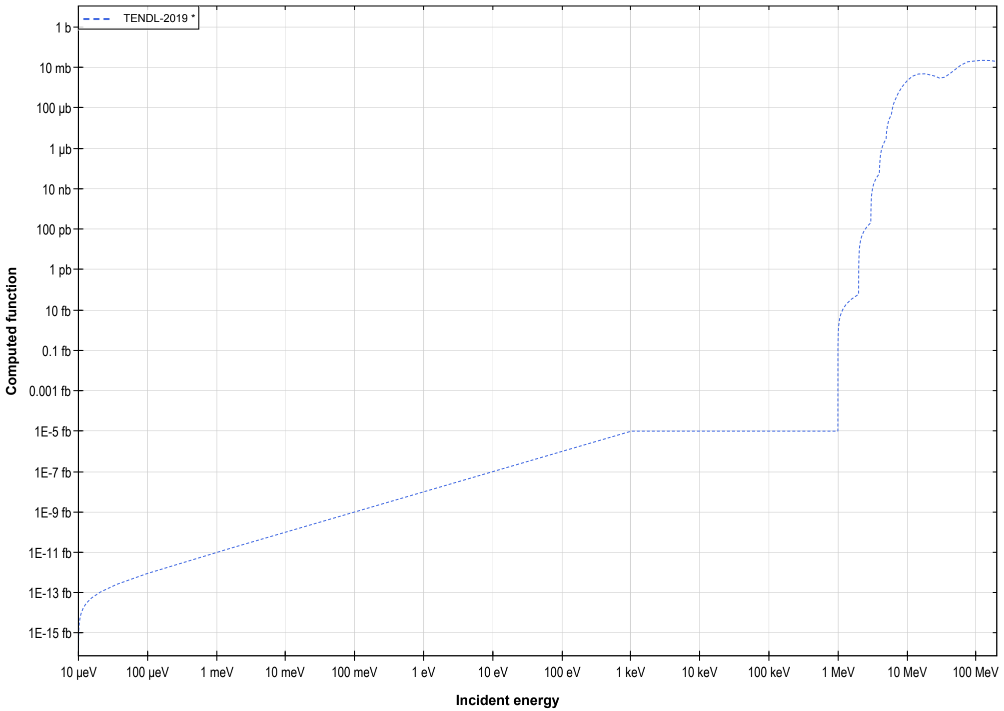




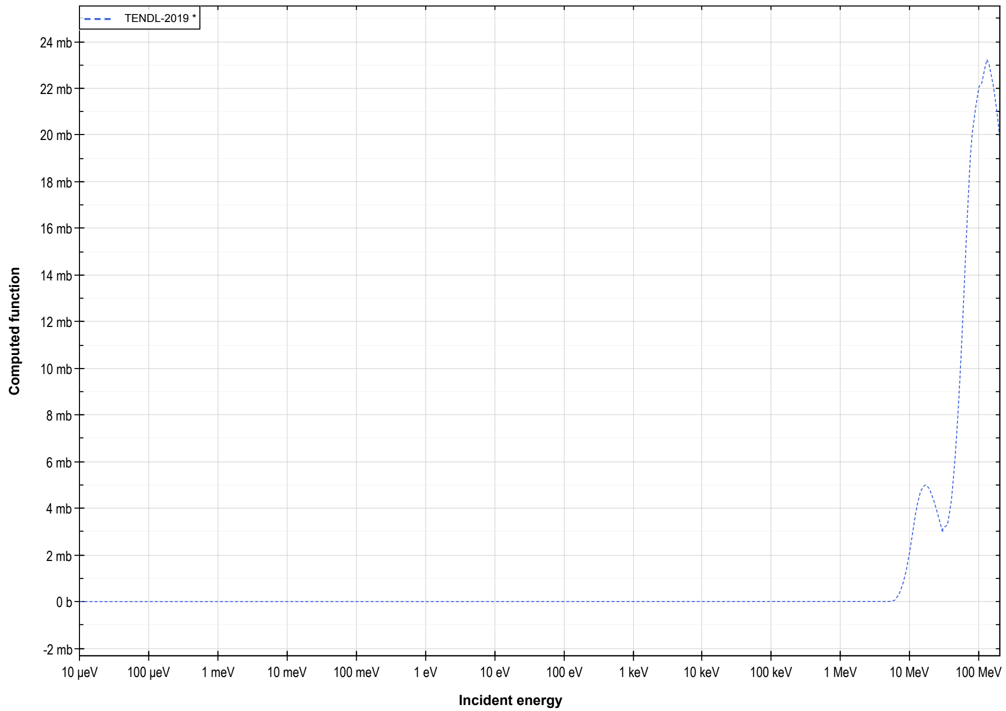
Reaction	Q-Value
Te122(d,t)Te121	-3582.59 keV
Te122(d,n+d)Te121	-9839.82 keV
Te122(d,2n+p)Te121	-12064.38 keV

<< 48-Cd-114	**52-Te-122**	74-W-184 >>
<< MT105 (d,t)	**MT107 (d,α) or MT5 (Sb120 production)**	52-Te-123 MT4 (d,n) >>

Te122 (d,α) or Sb120 production log-log

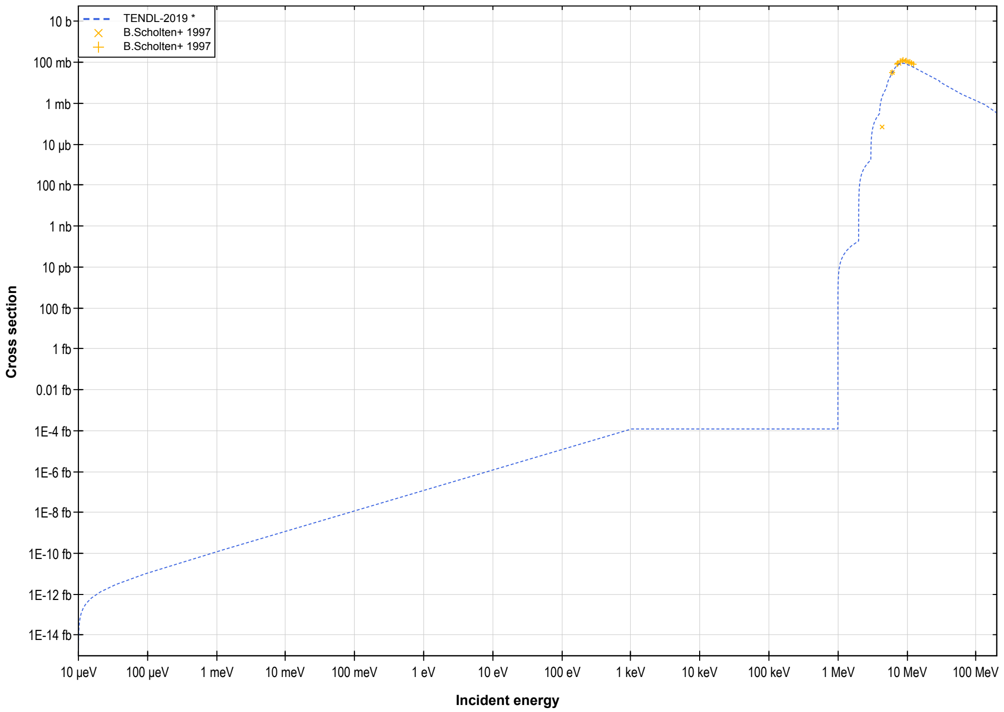


Te122 (d,α) or Sb120 production lin-log

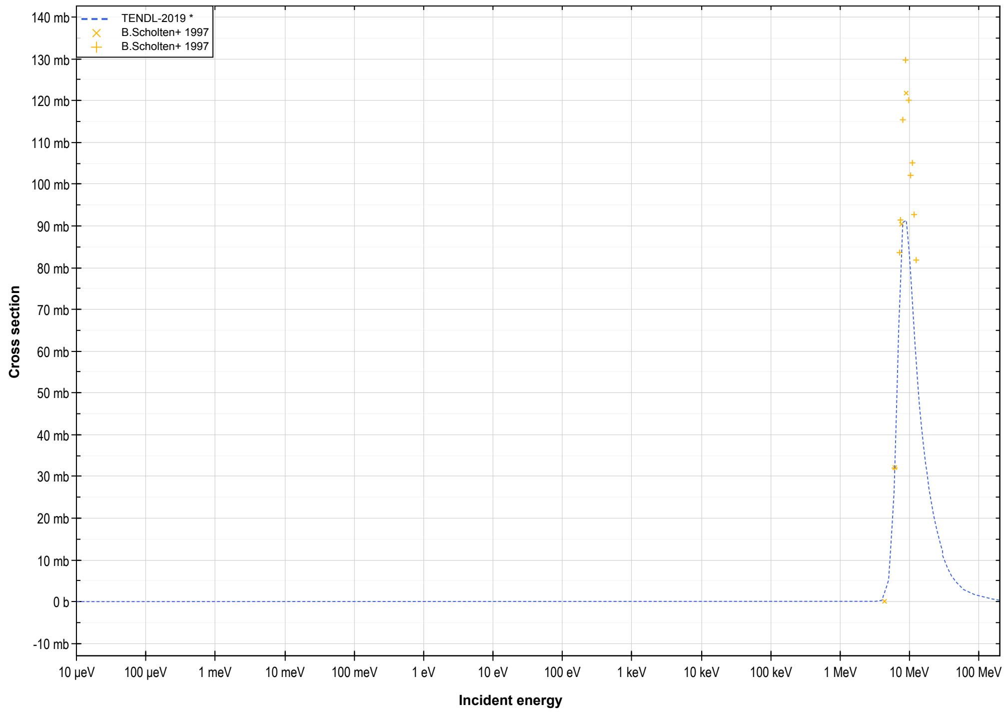


Reaction	Q-Value
Te122(d,α)Sb120	8814.31 keV
Te122(d,p+t)Sb120	-10999.56 keV
Te122(d,n+He3)Sb120	-11763.31 keV
Te122(d,2d)Sb120	-15032.22 keV
Te122(d,n+p+d)Sb120	-17256.79 keV
Te122(d,2n+2p)Sb120	-19481.35 keV

Te123 (d,n) or I124 production log-log

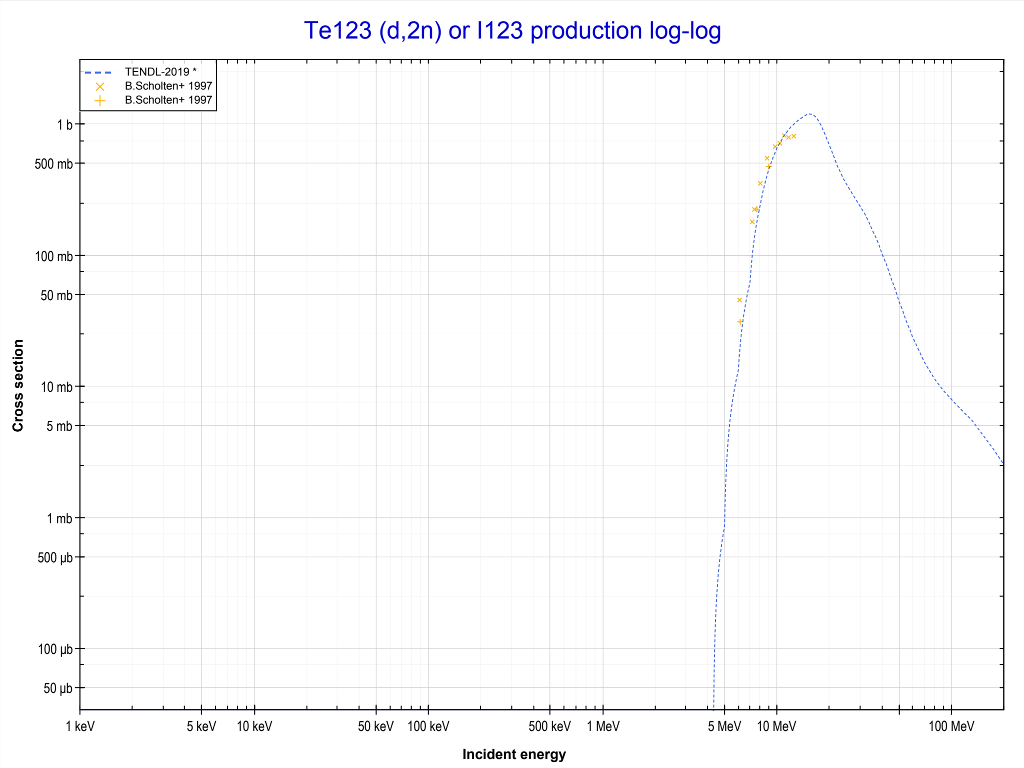


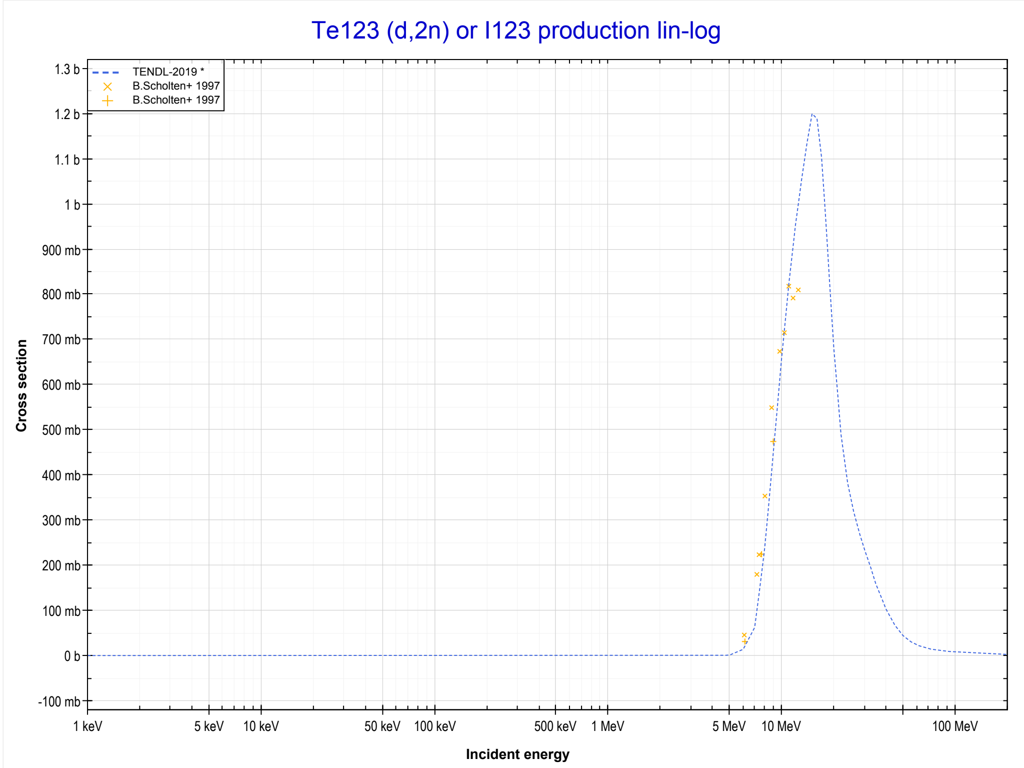
Te123 (d,n) or I124 production lin-log



Reaction	Q-Value
Te123(d,n)I124	3257.90 keV

<< 52-Te-122	**52-Te-123**	52-Te-124 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (I123 production)**	52-Te-124 MT4 (d,n) >>

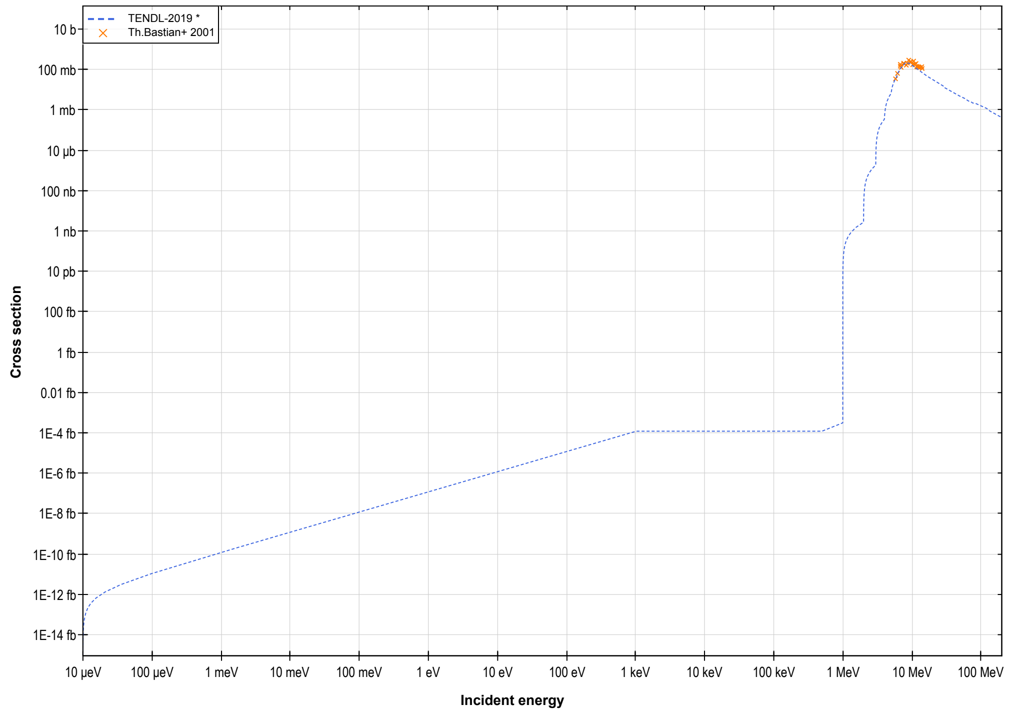




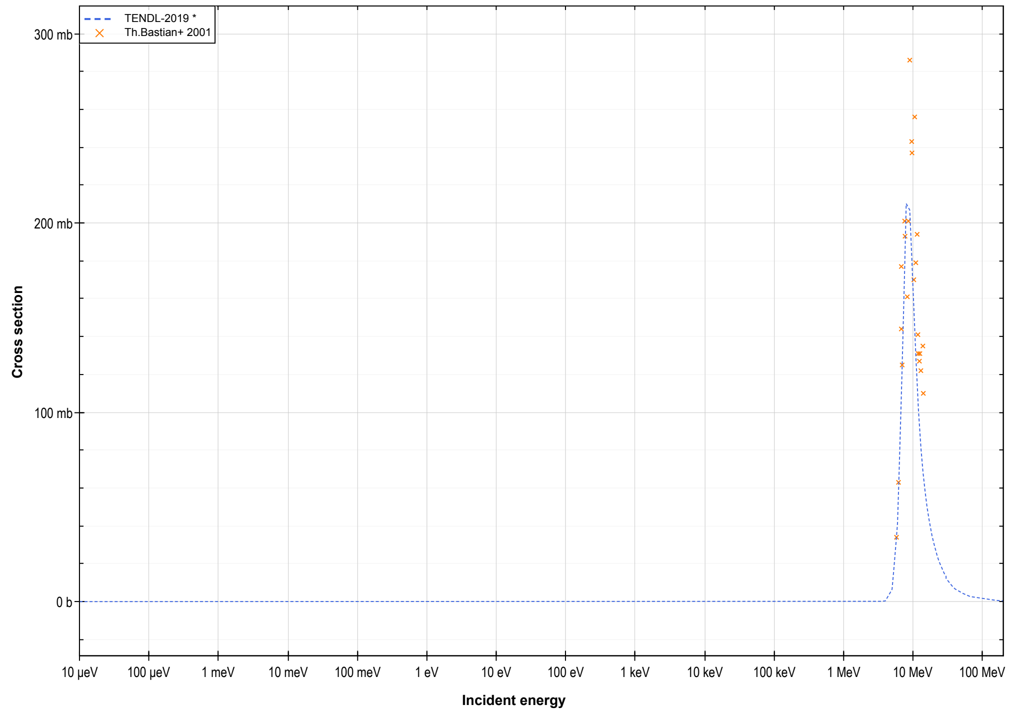
Reaction	Q-Value
Te123(d,2n)I123	-4235.11 keV

<< 52-Te-123	**52-Te-124**	53-I-127 >>
<< 52-Te-123 MT16 (d,2n)	**MT4 (d,n) or MT5 (I125 production)**	MT16 (d,2n) >>

Te124 (d,n) or I125 production log-log

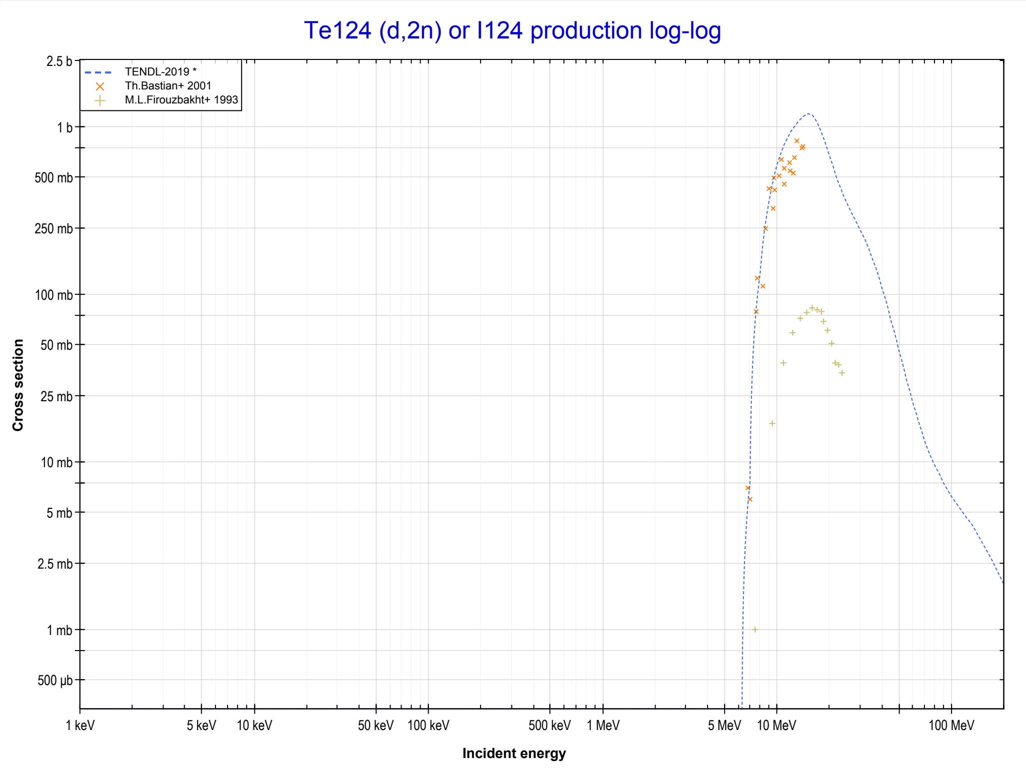


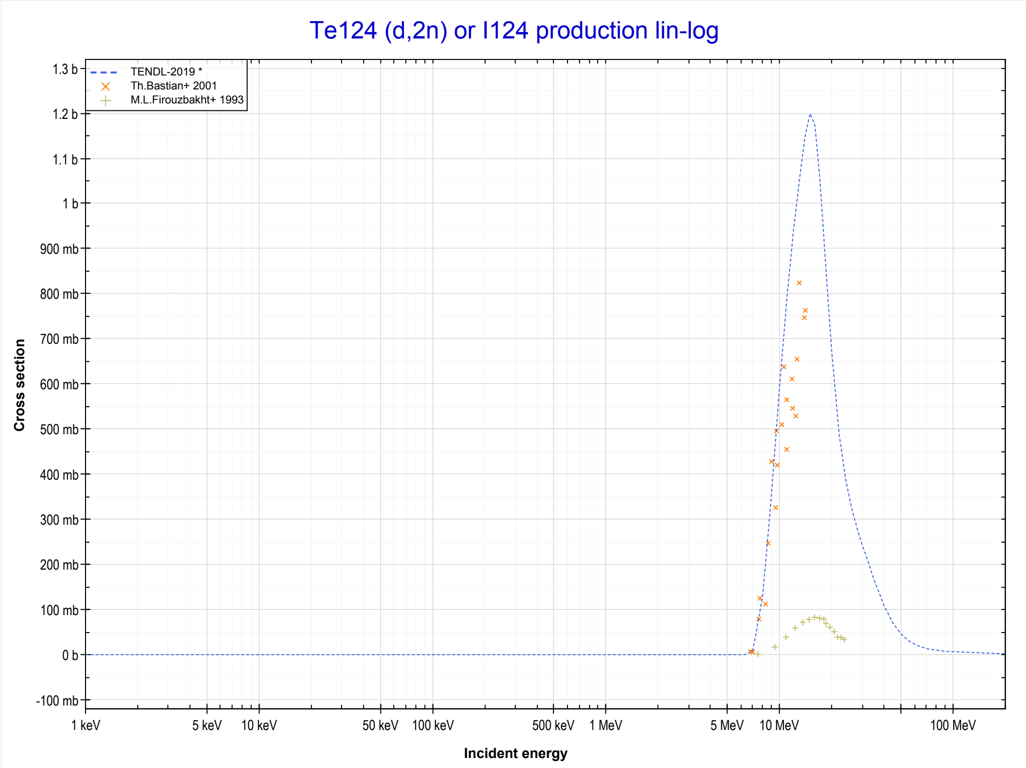
Te124 (d,n) or I125 production lin-log



Reaction	Q-Value
Te124(d,n)I125	3376.30 keV

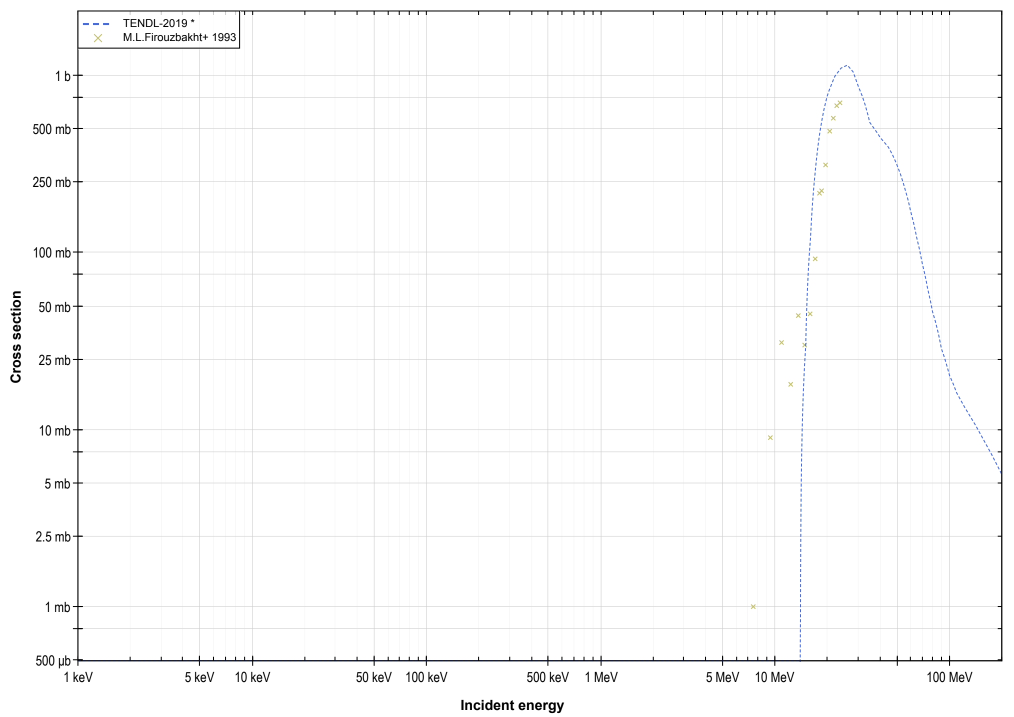
<< 52-Te-123	**52-Te-124**	52-Te-126 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (I124 production)**	MT17 (d,3n) >>



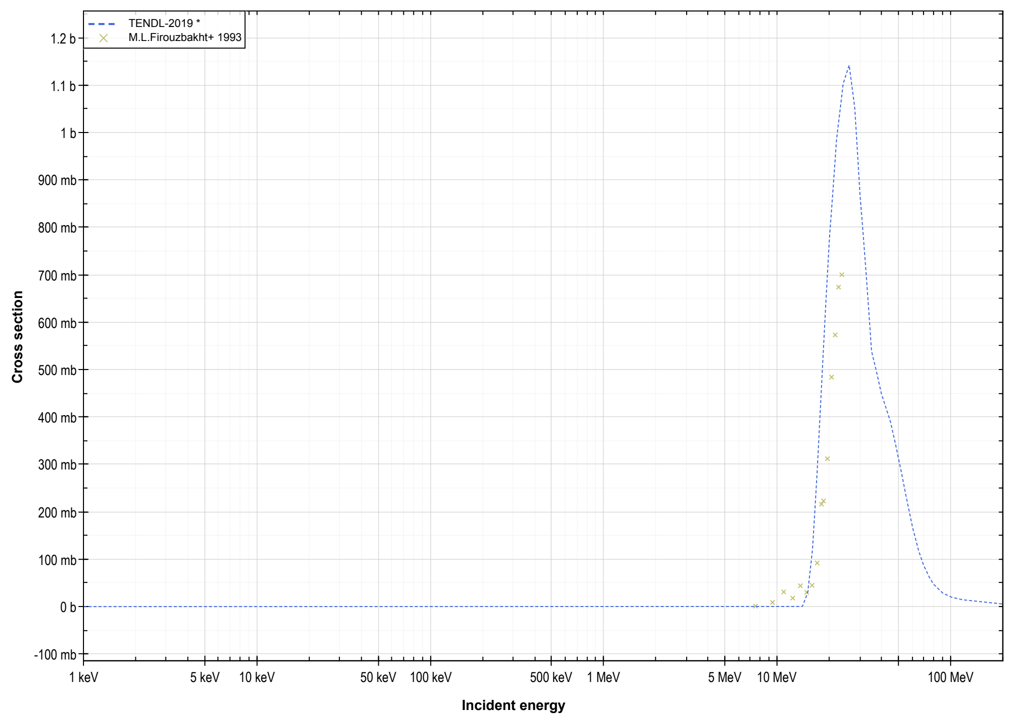


Reaction	Q-Value
Te124(d,2n)I124	-6166.51 keV

Te124 (d,3n) or I123 production log-log

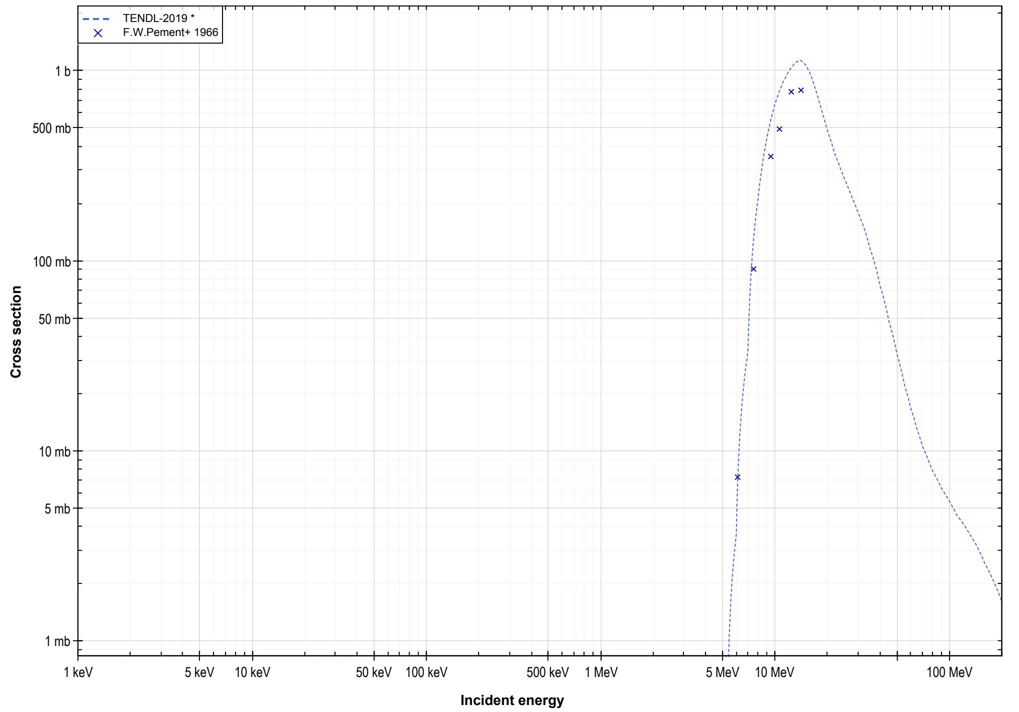


Te124 (d,3n) or I123 production lin-log

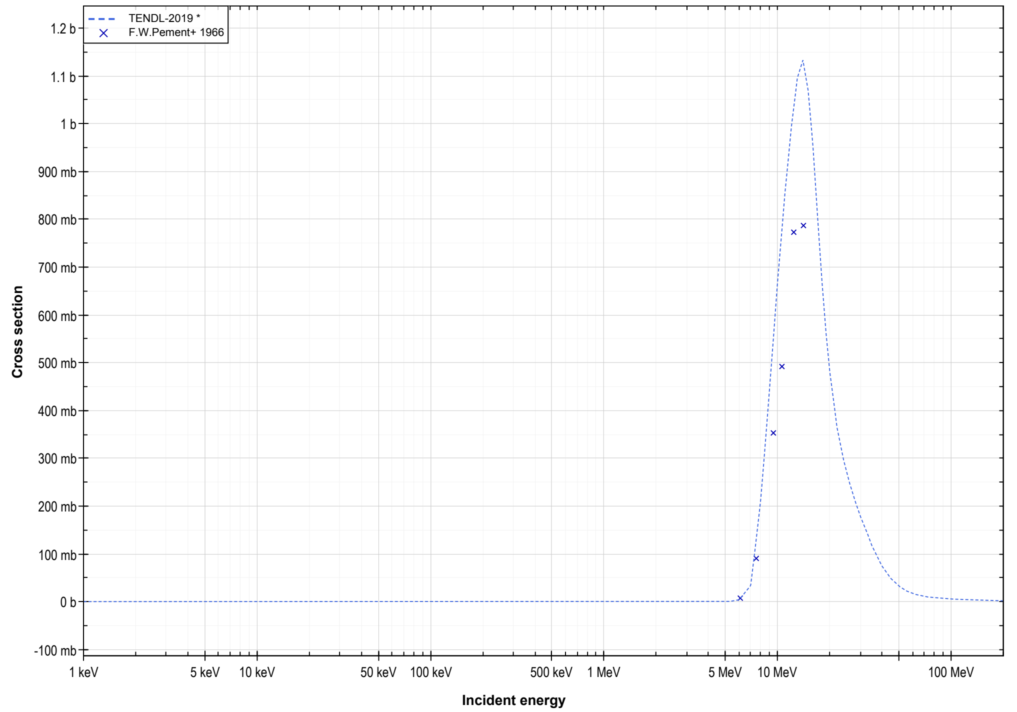


Reaction	Q-Value
Te124(d,3n)I123	-13659.53 keV

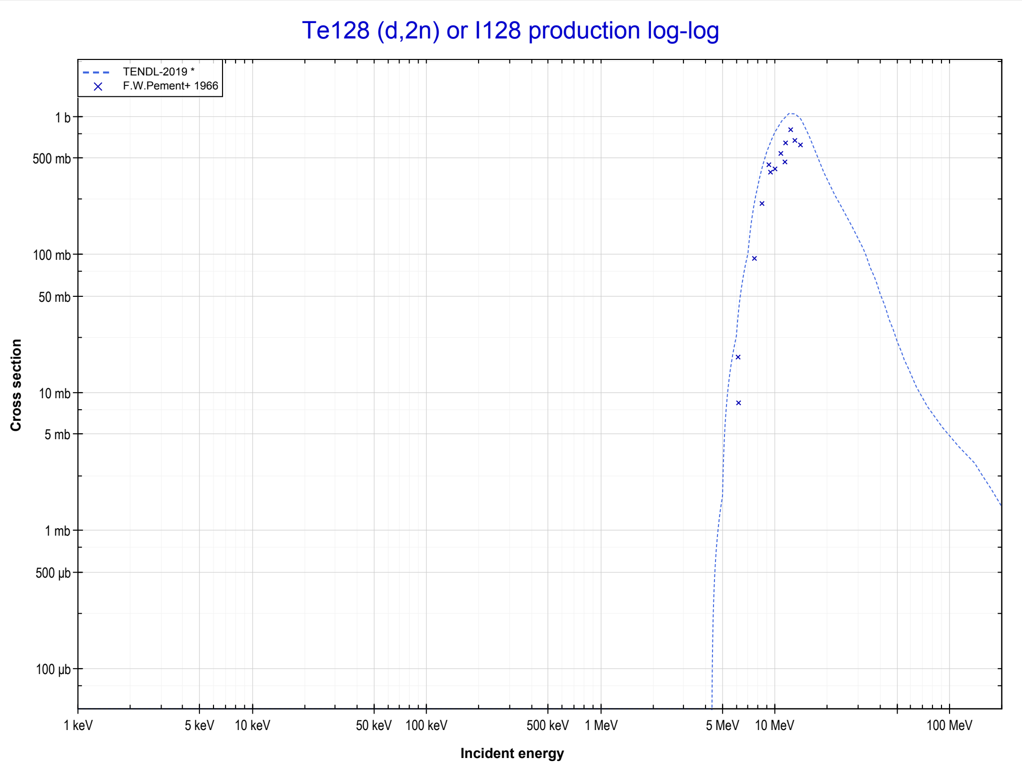
Te126 (d,2n) or I126 production log-log

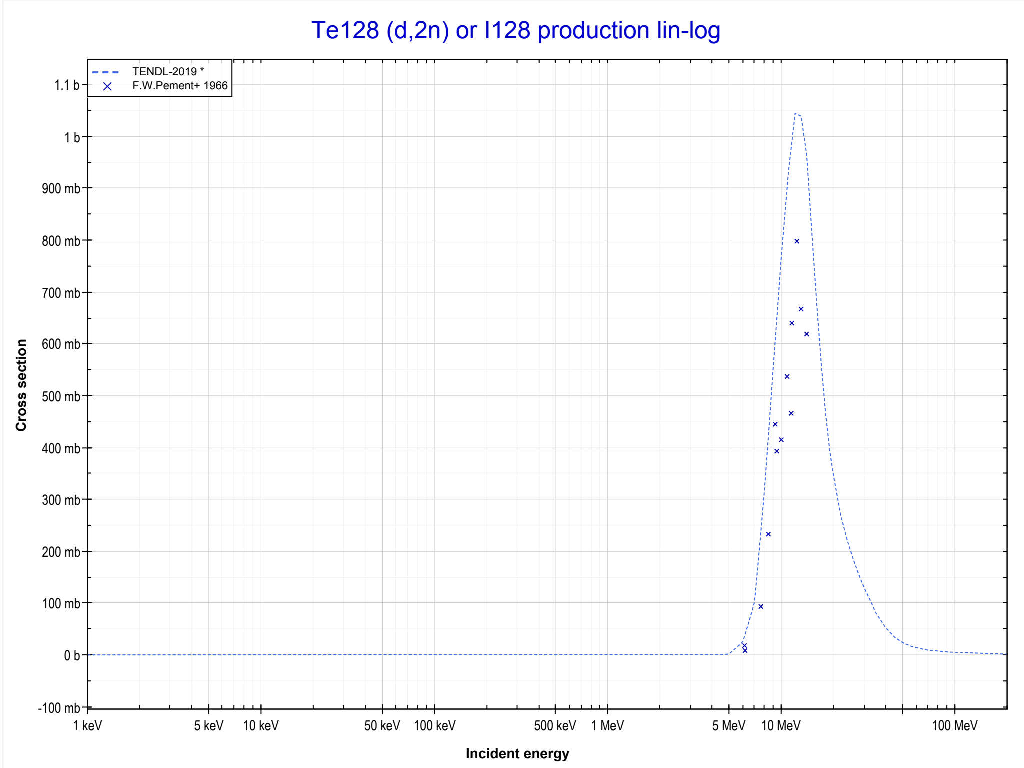


Te126 (d,2n) or I126 production lin-log



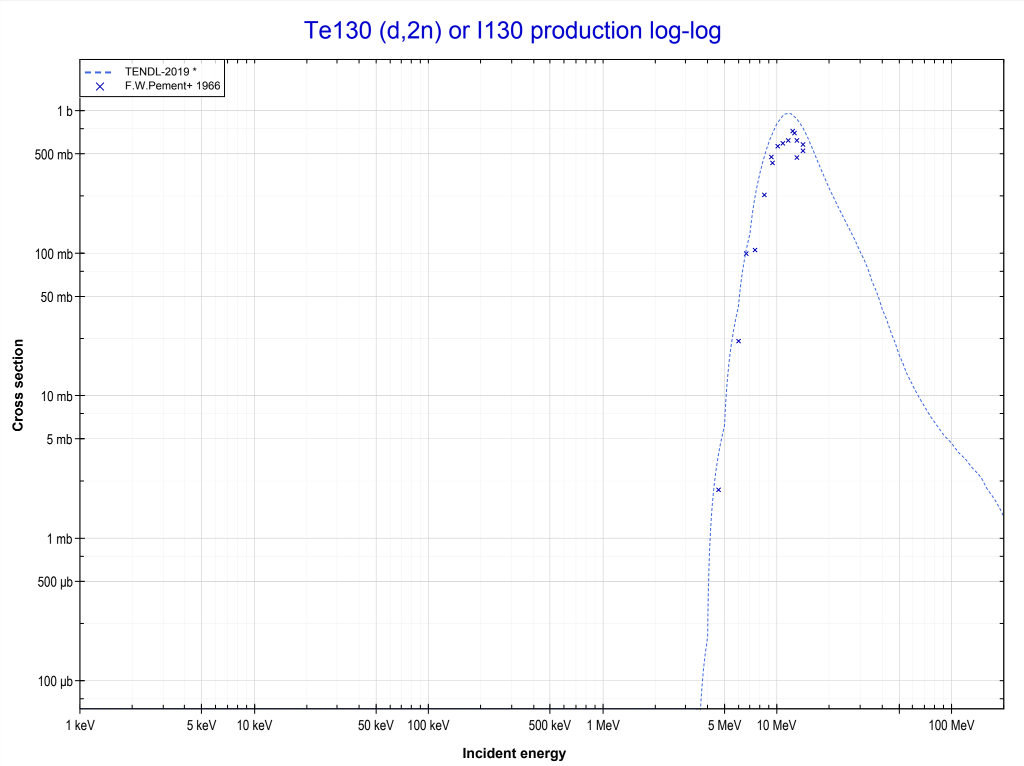
Reaction	Q-Value
Te126(d,2n)I126	-5161.21 keV

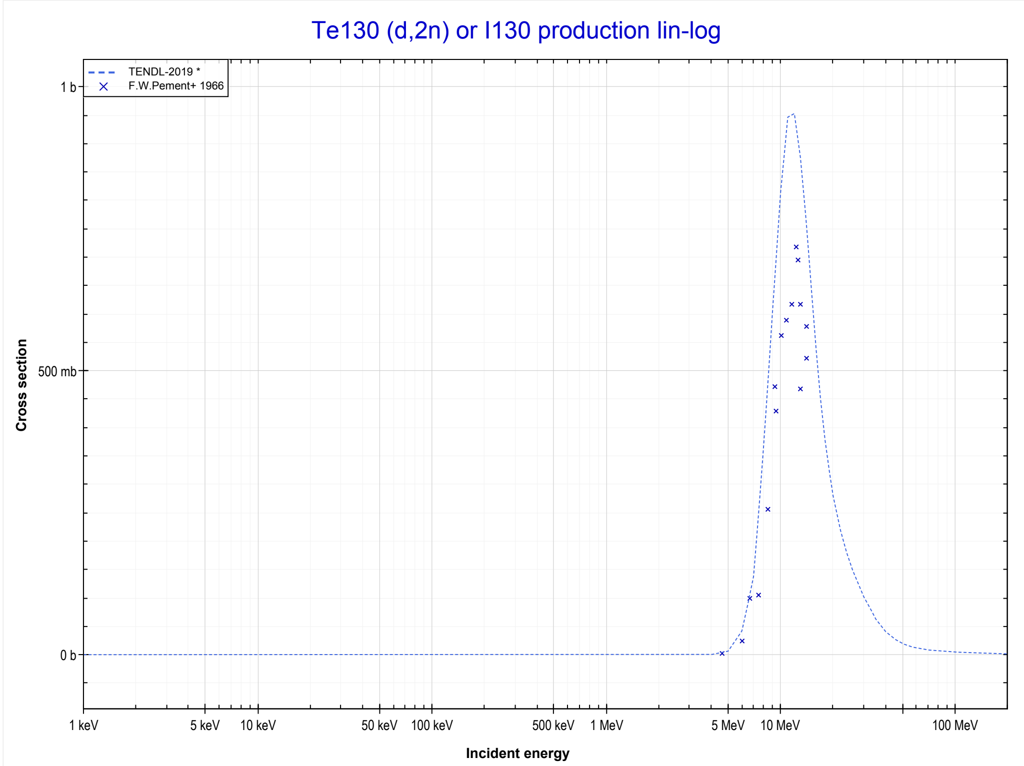




Reaction	Q-Value
Te128(d,2n)I128	-4261.61 keV

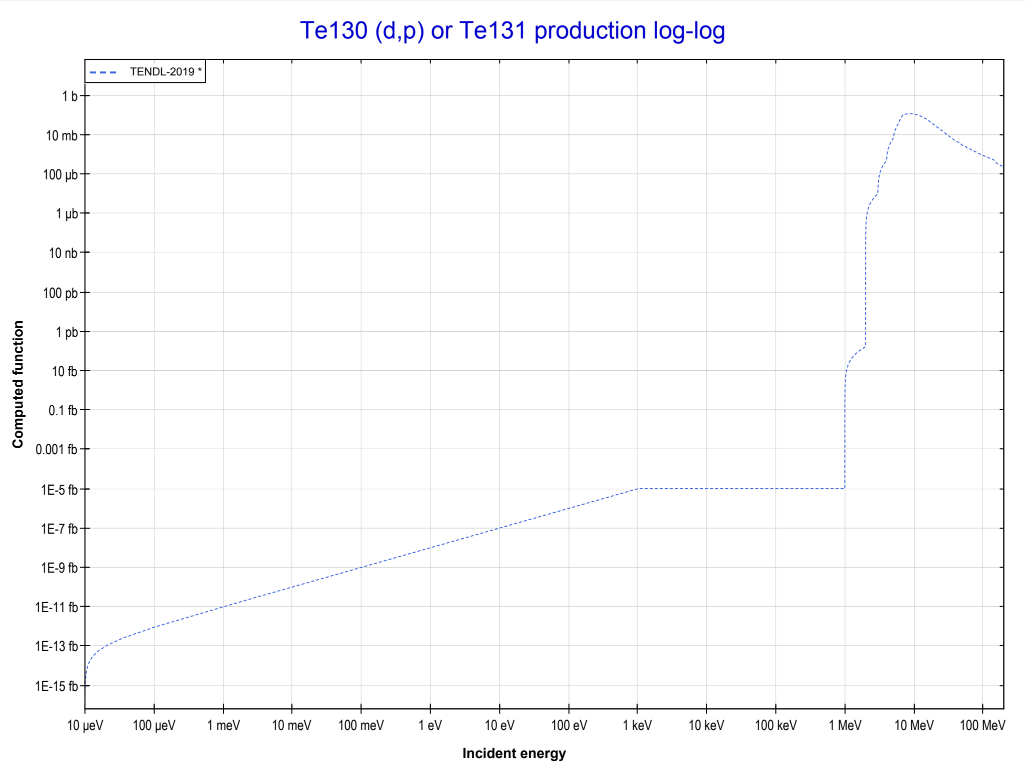
<< 52-Te-128	**52-Te-130**	53-I-127 >>
<< 52-Te-128 MT16 (d,2n)	**MT16 (d,2n) or MT5 (I130 production)**	MT103 (d,p) >>

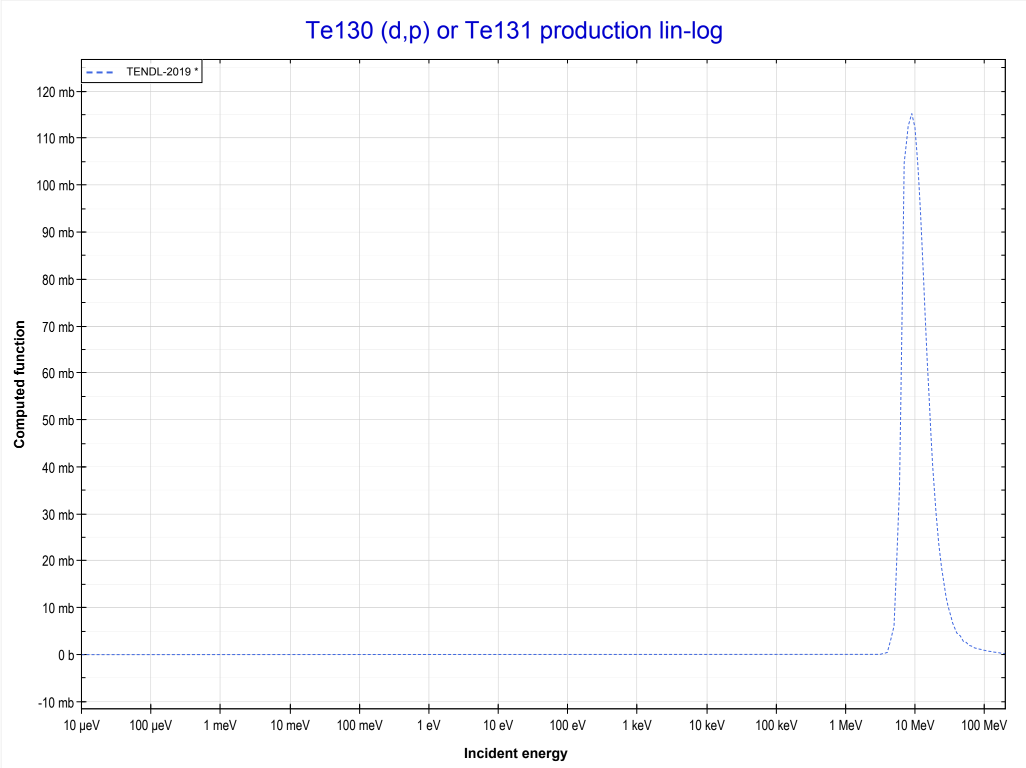




Reaction	Q-Value
Te130(d,2n)I130	-3423.86 keV

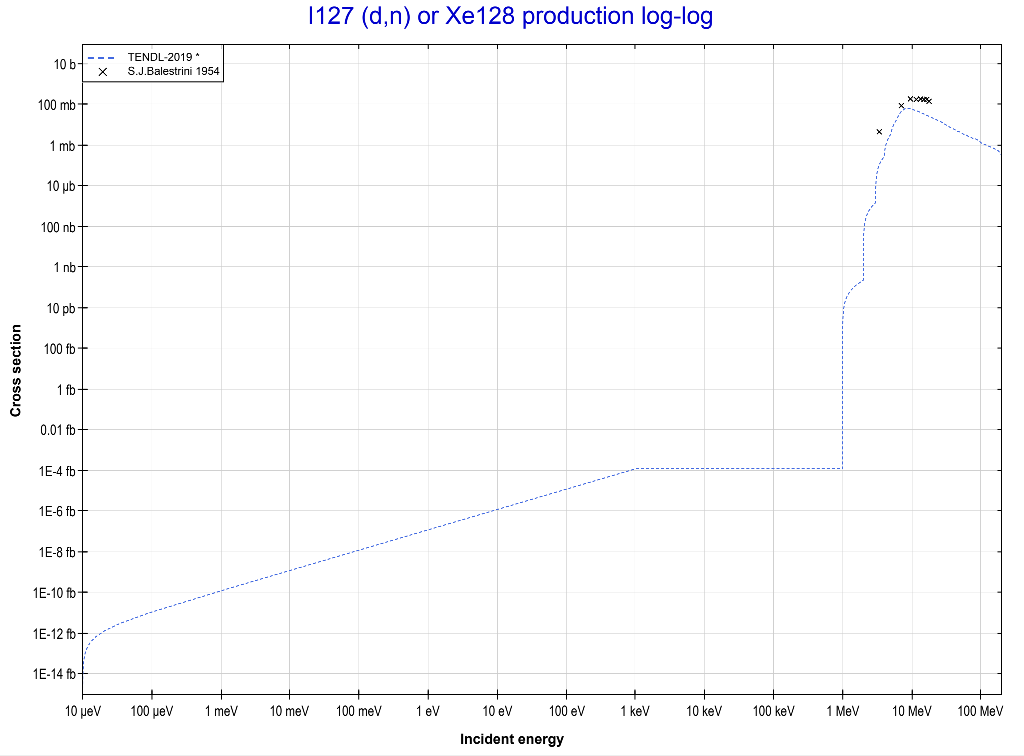
<< 52-Te-122	**52-Te-130**	55-Cs-133 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Te131 production)**	53-I-127 MT4 (d,n) >>

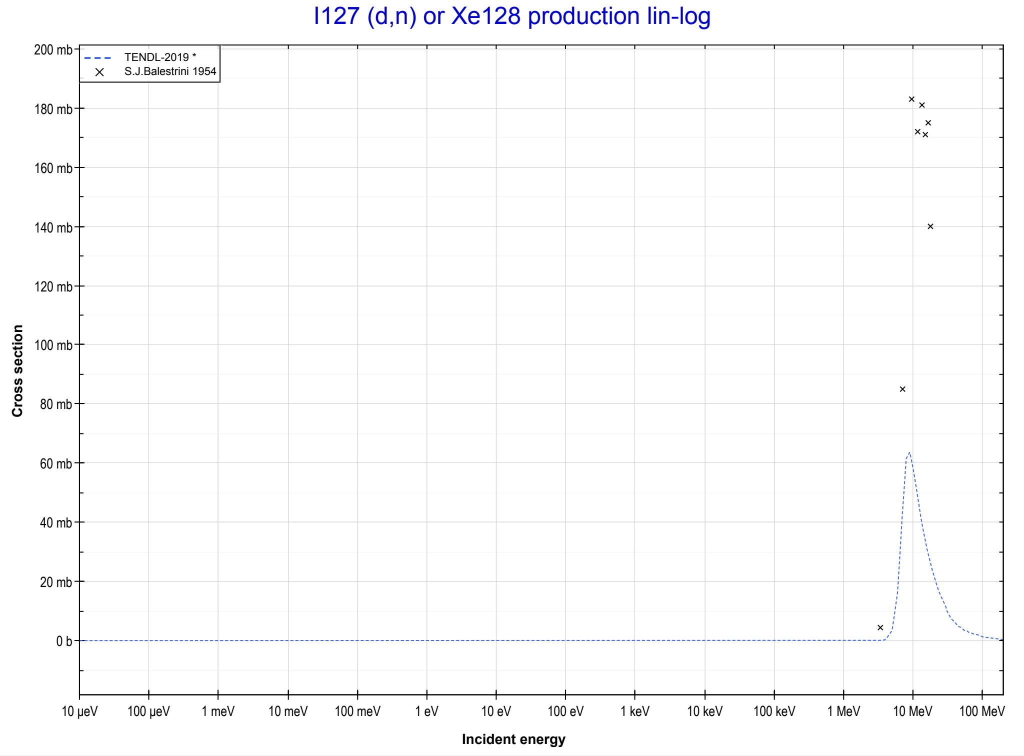




Reaction	Q-Value
Te130(d,p)Te131	3704.81 keV

<< 52-Te-124	**53-I-127**	58-Ce-142 >>
<< 52-Te-130 MT103 (d,p)	**MT4 (d,n) or MT5 (Xe128 production)**	MT16 (d,2n) >>

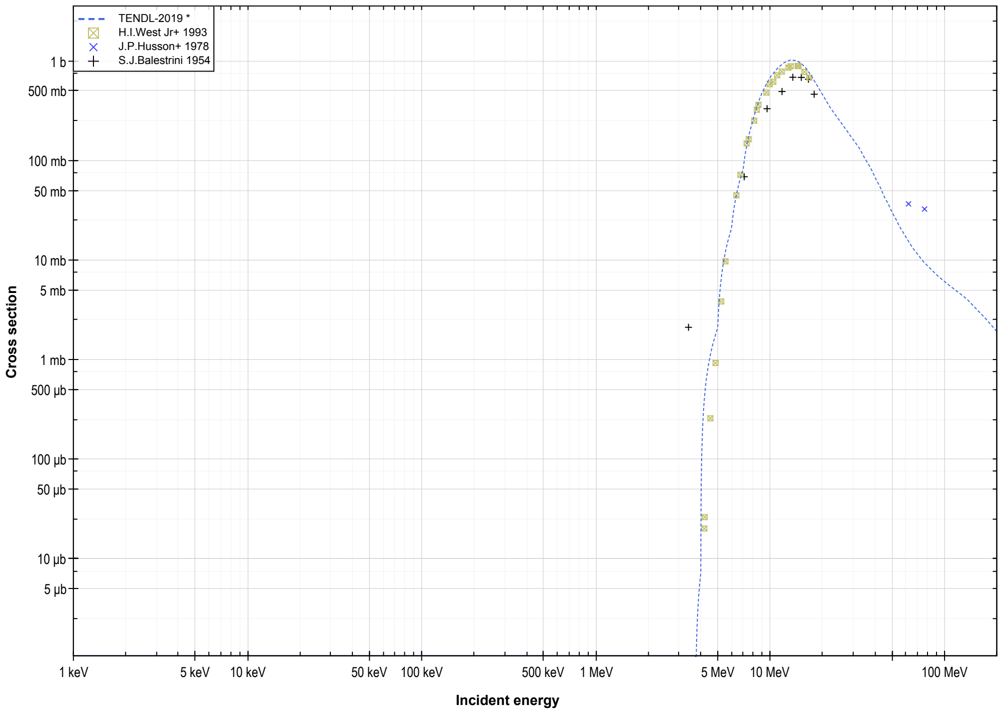




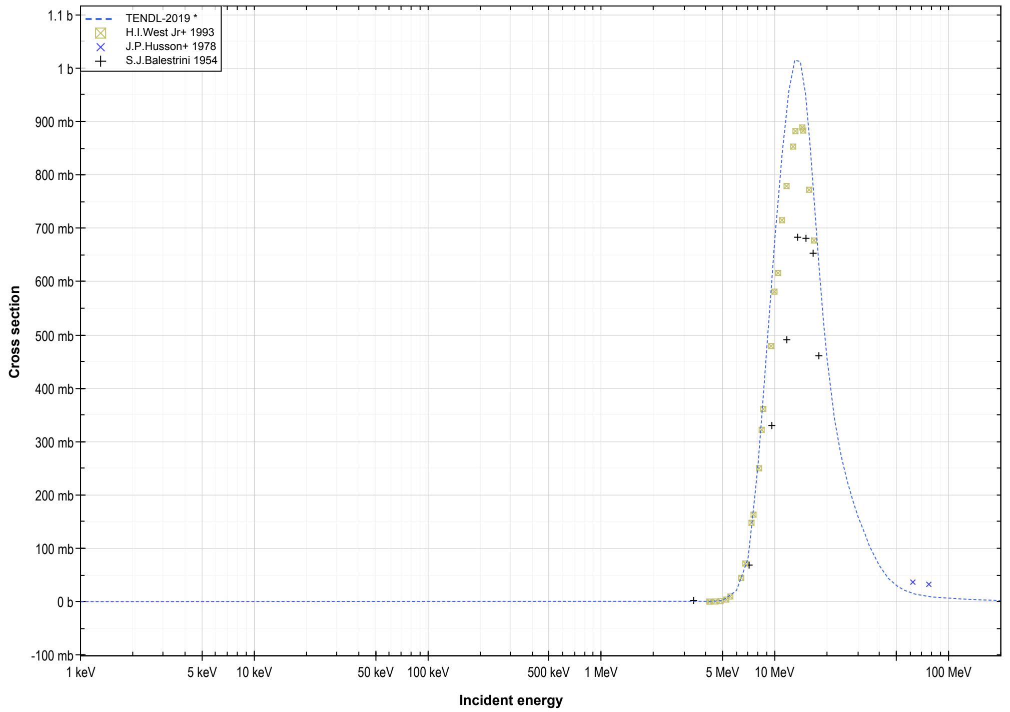
Reaction	Q-Value
I127(d,n)Xe128	5940.70 keV

<< 52-Te-130	**53-I-127**	55-Cs-133 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Xe127 production)**	MT17 (d,3n) >>

I127 (d,2n) or Xe127 production log-log

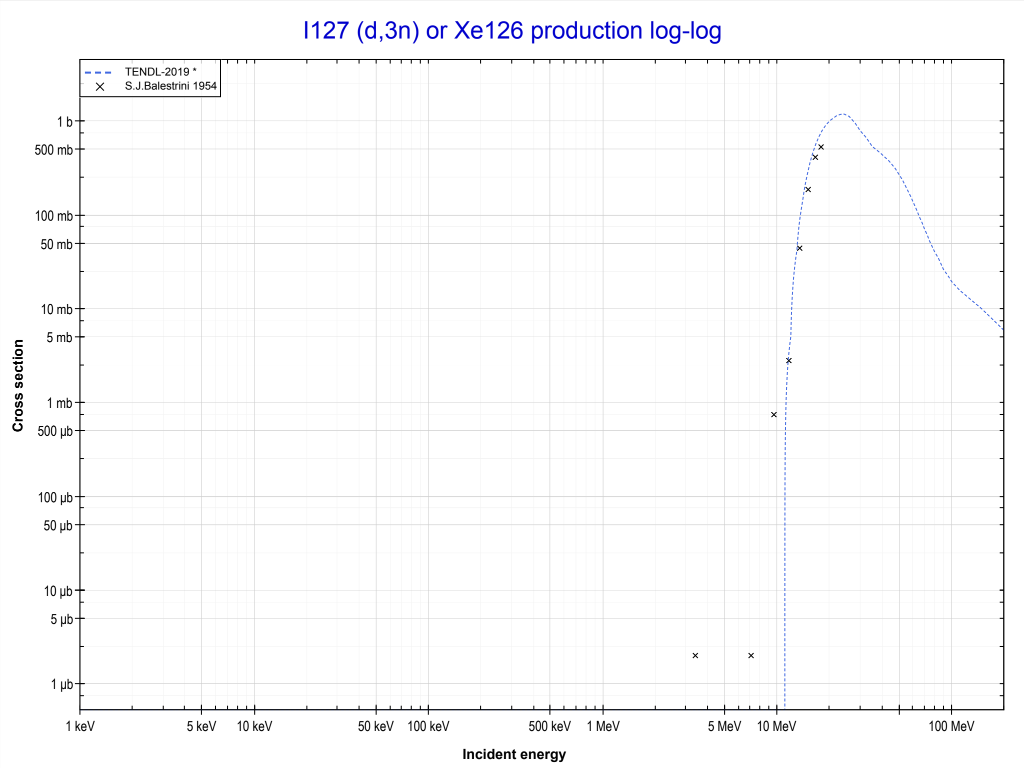


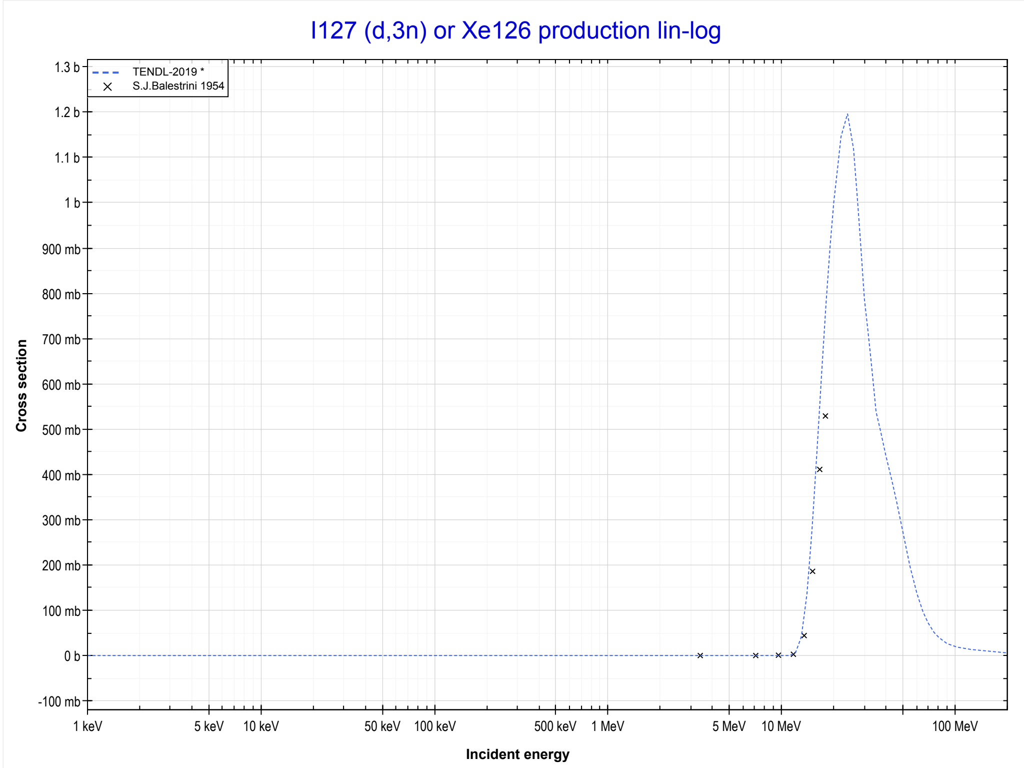
I127 (d,2n) or Xe127 production lin-log



Reaction	Q-Value
I127(d,2n)Xe127	-3668.91 keV

<< 52-Te-124	**53-I-127**	59-Pr-141 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Xe126 production)**	MT32 (d,n+d) >>

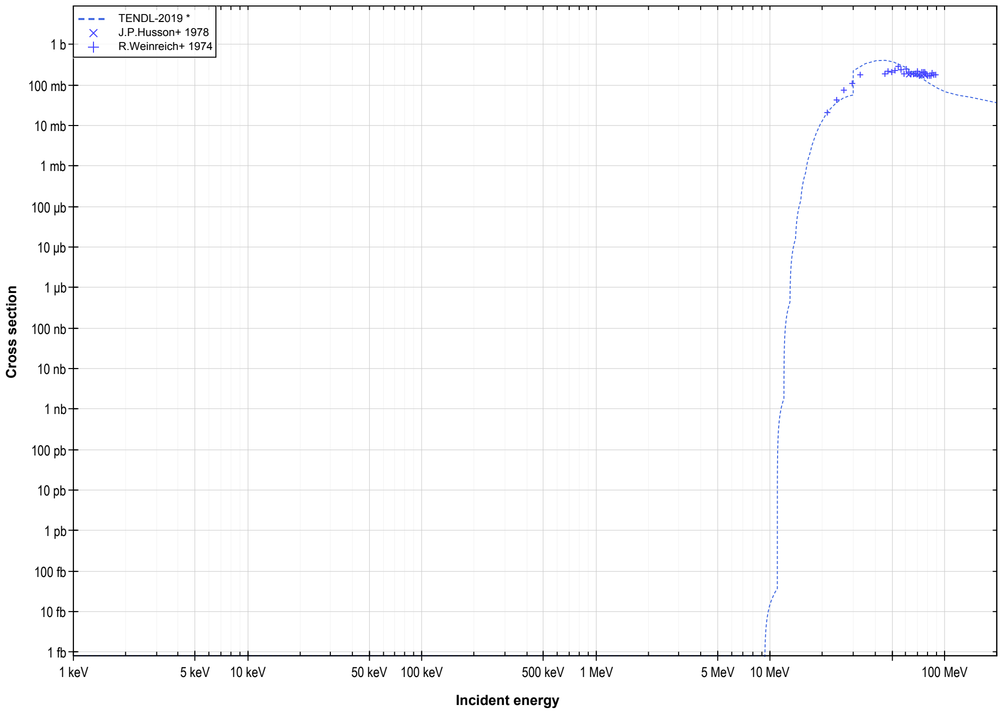




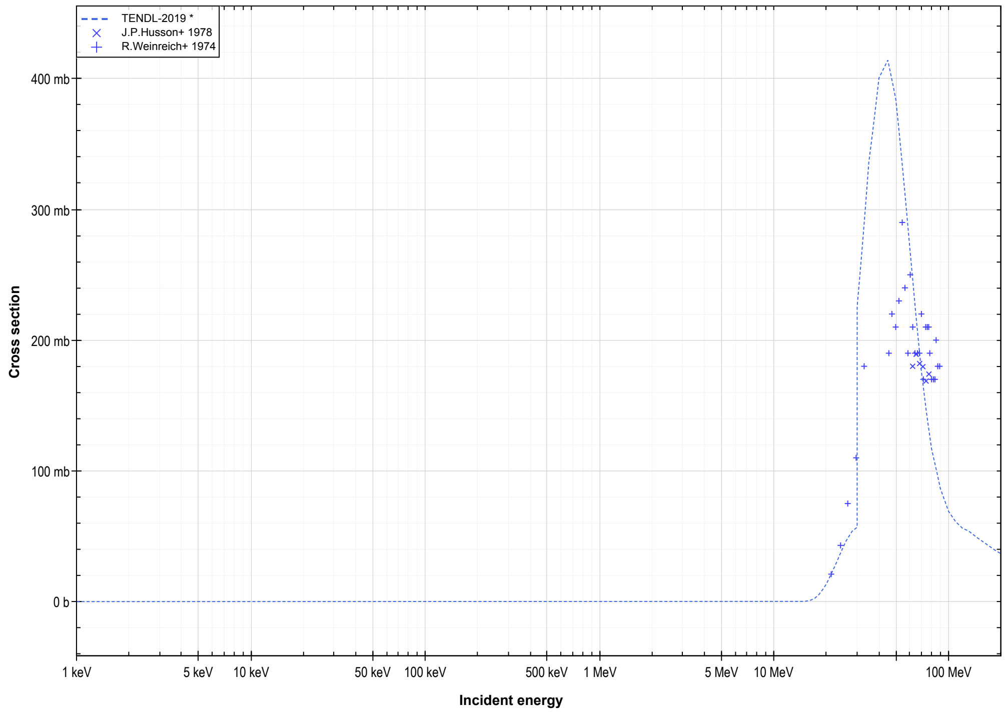
Reaction	Q-Value
I127(d,3n)Xe126	-10915.23 keV

<< 52-Te-122	**53-I-127**	55-Cs-133 >>
<< MT17 (d,3n)	**MT32 (d,n+d) or MT5 (I126 production)**	MT37 (d,4n) >>

I127 (d,n+d) or I126 production log-log

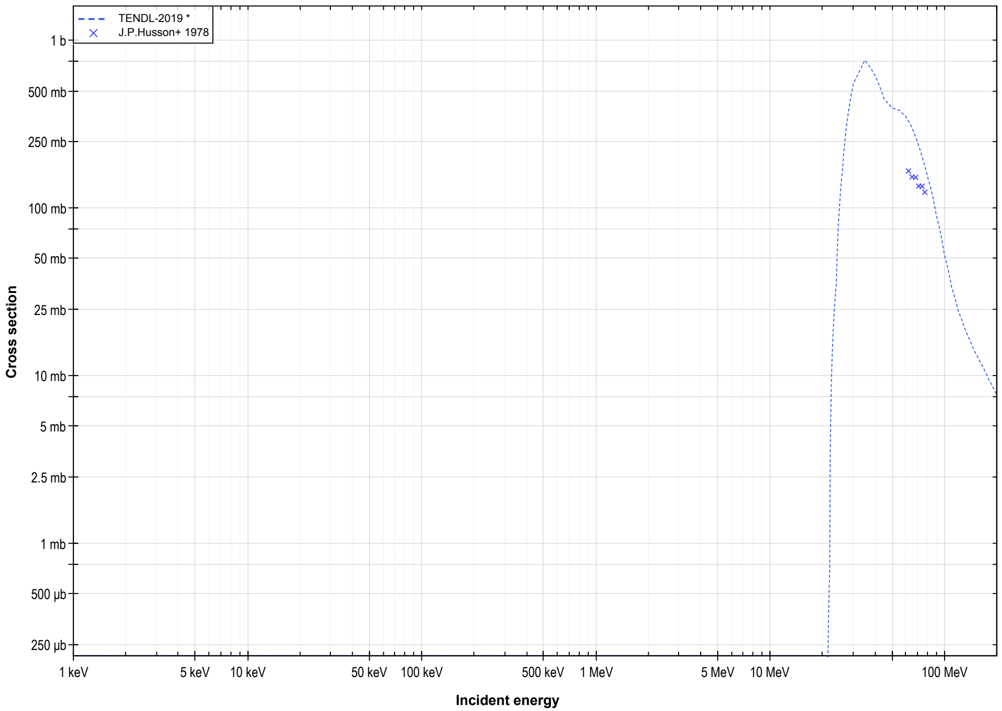


I127 (d,n+d) or I126 production lin-log

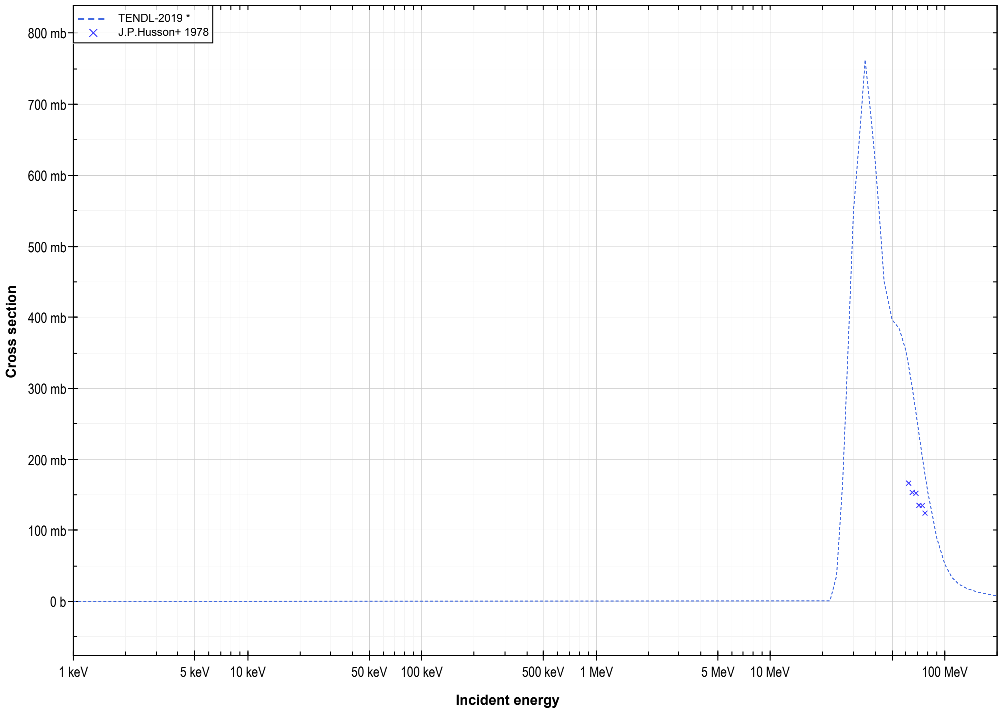


Reaction	Q-Value
I127(d,t)I126	-2887.09 keV
I127(d,n+d)I126	-9144.32 keV
I127(d,2n+p)I126	-11368.88 keV

I127 (d,4n) or Xe125 production log-log

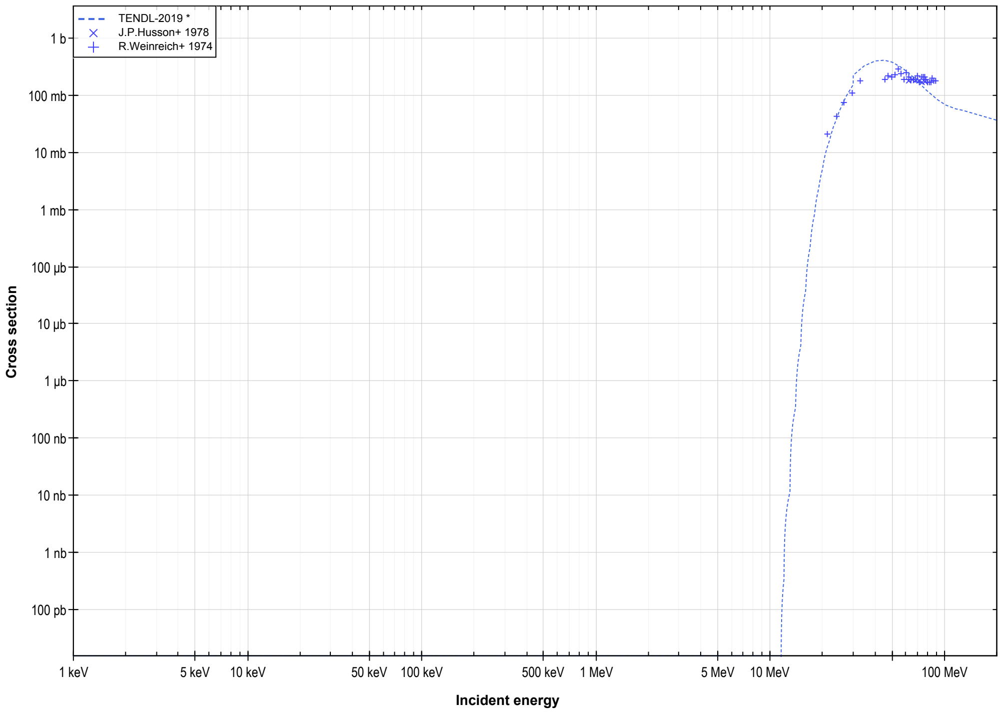


I127 (d,4n) or Xe125 production lin-log

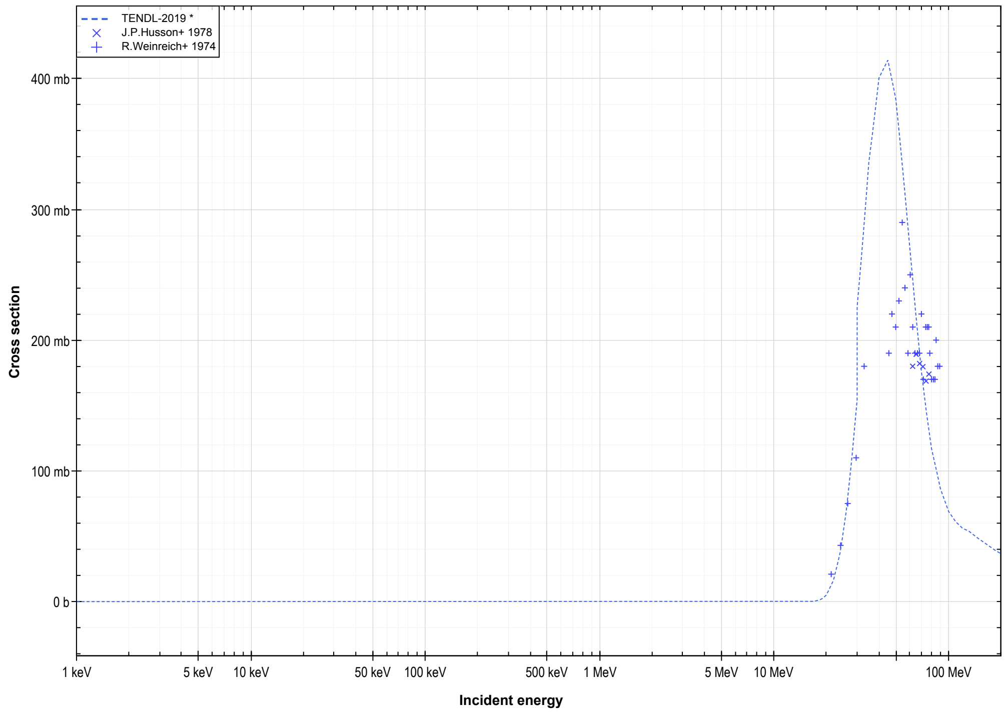


Reaction	Q-Value
I127(d,4n)Xe125	-20940.15 keV

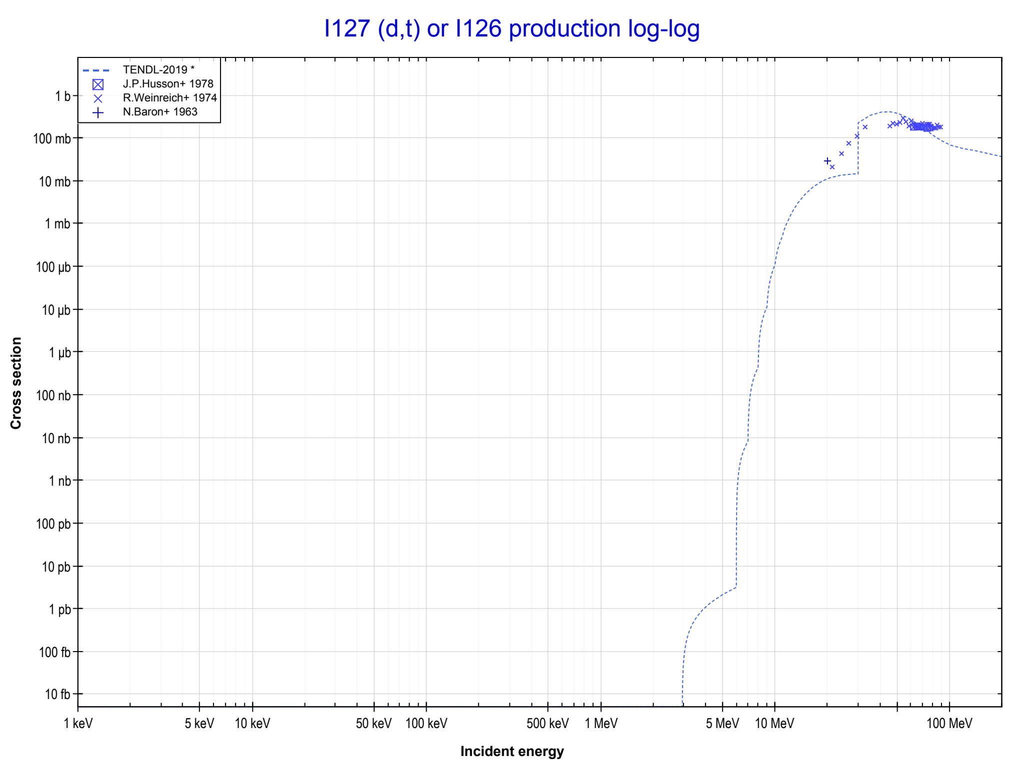
I127 (d,2n+p) or I126 production log-log

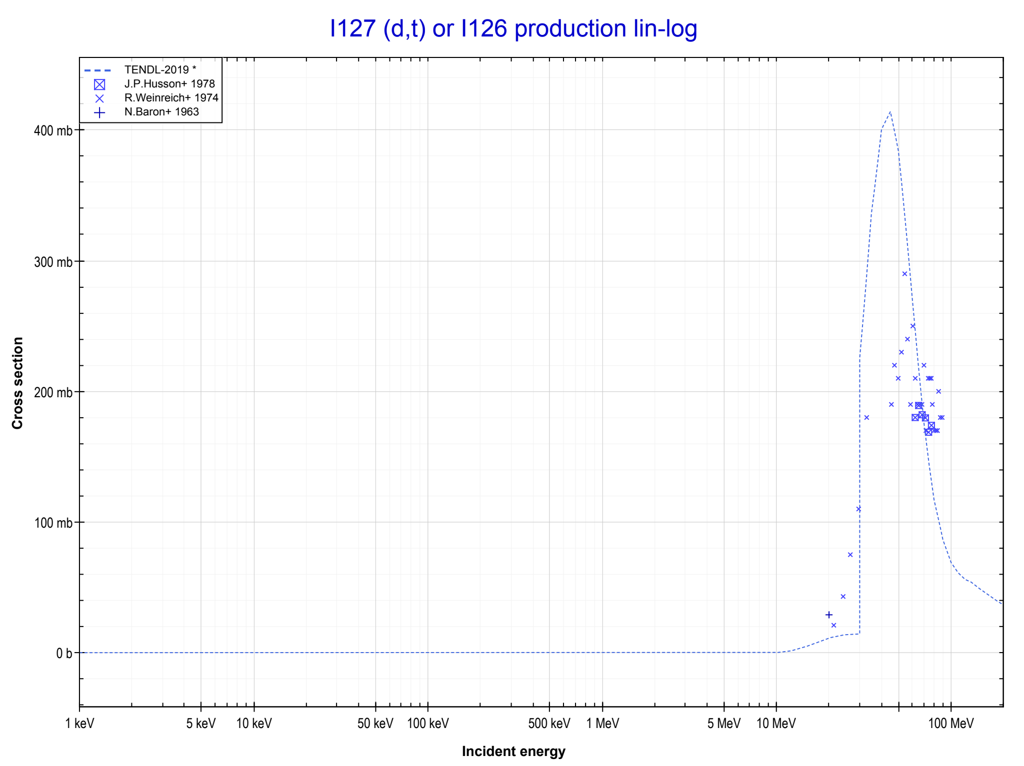


I127 (d,2n+p) or I126 production lin-log



Reaction	Q-Value
I127(d,t)I126	-2887.09 keV
I127(d,n+d)I126	-9144.32 keV
I127(d,2n+p)I126	-11368.88 keV

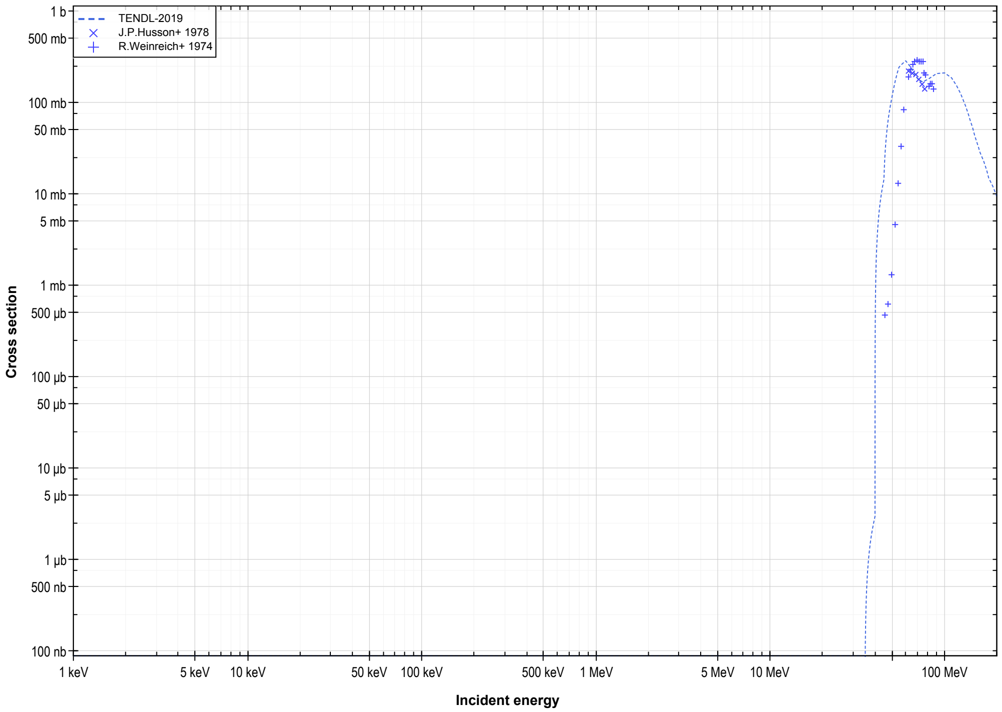




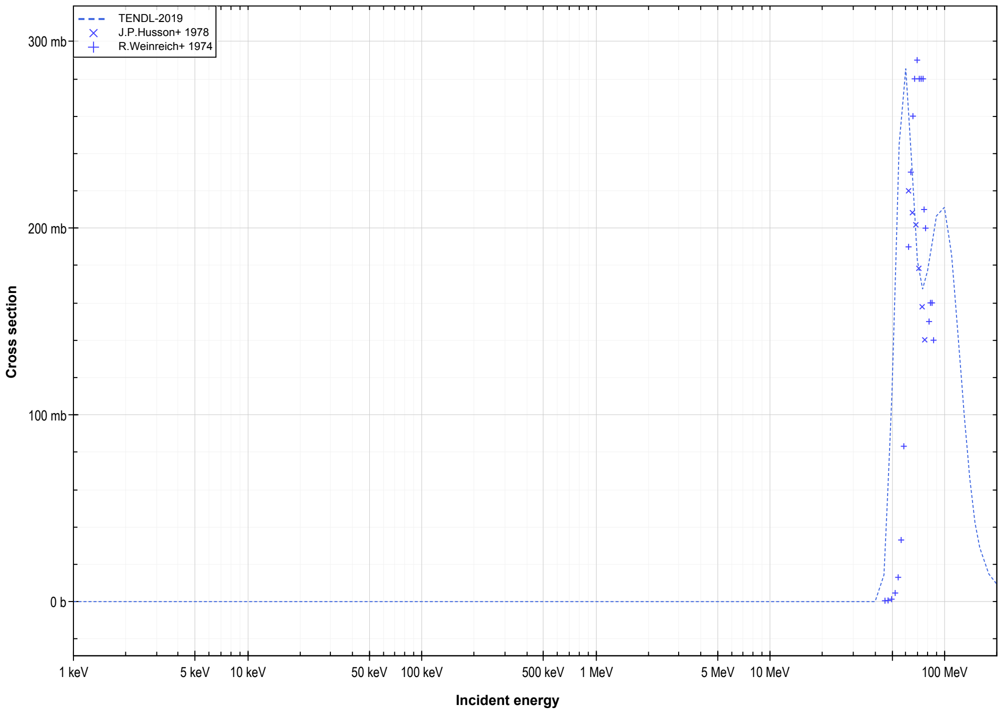
Reaction	Q-Value
I127(d,t)I126	-2887.09 keV
I127(d,n+d)I126	-9144.32 keV
I127(d,2n+p)I126	-11368.88 keV

	53-I-127	65-Tb-159 >>
<< MT105 (d,t)	**MT153 (d,6n) or MT5 (Xe123 production)**	MT154 (d,2n+t) >>

I127 (d,6n) or Xe123 production log-log

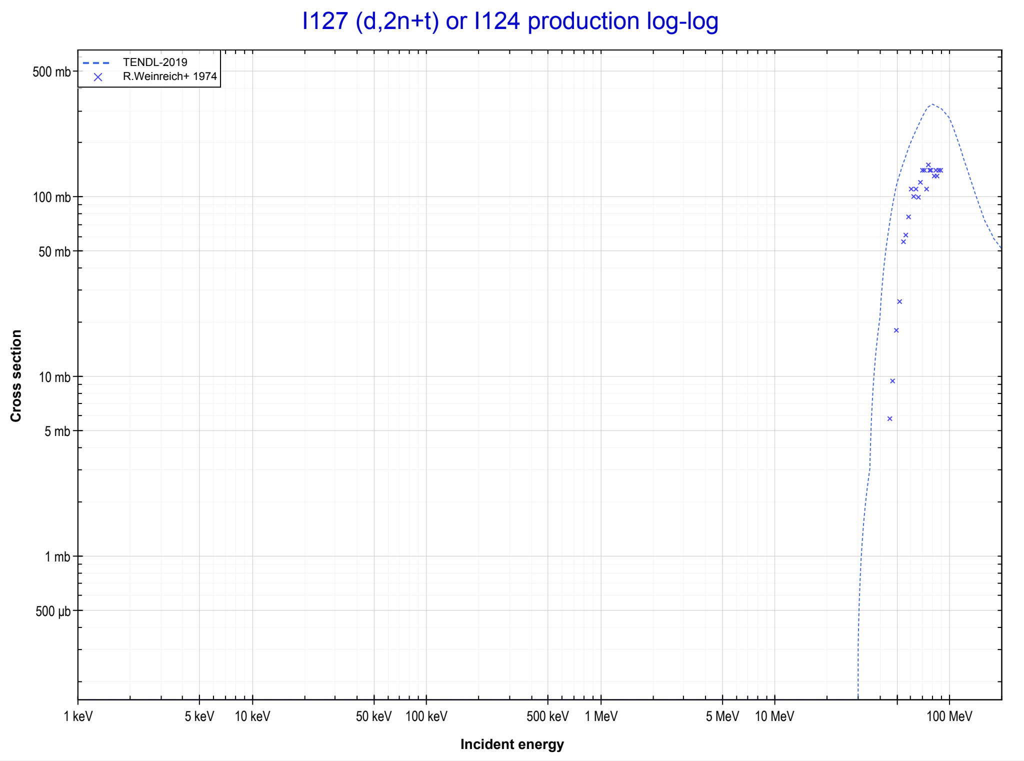


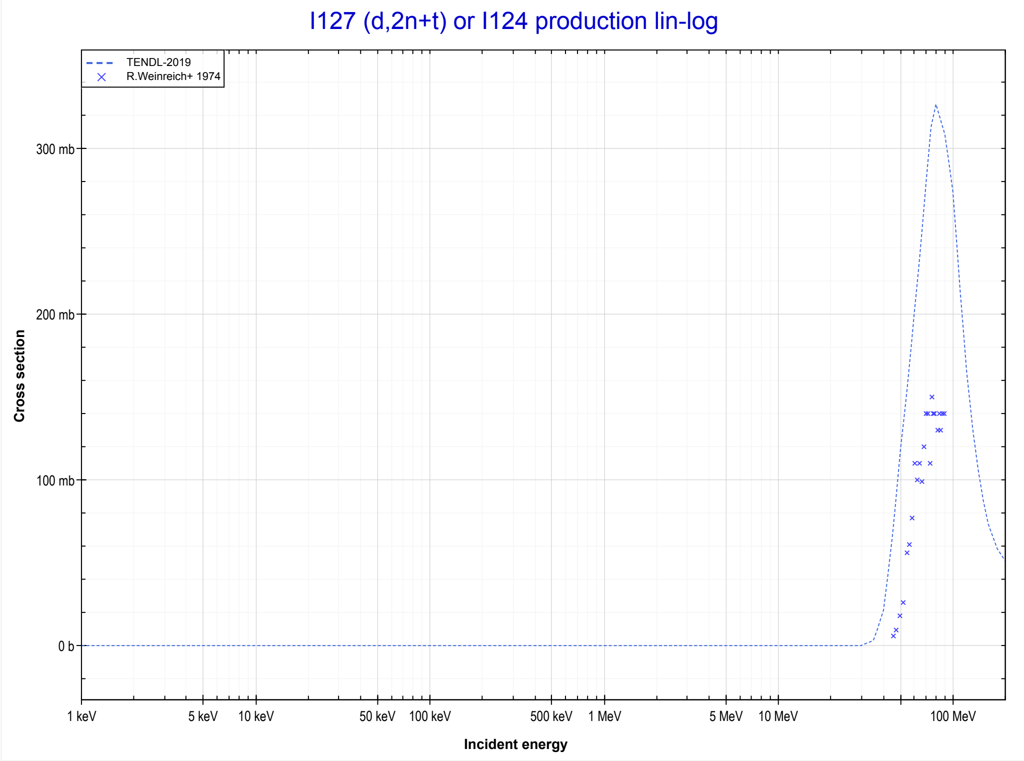
I127 (d,6n) or Xe123 production lin-log



Reaction	Q-Value
I127(d,6n)Xe123	-39027.18 keV

<< 27-Co-59	**53-I-127**	79-Au-197 >>
<< MT153 (d,6n)	**MT154 (d,2n+t) or MT5 (I124 production)**	MT156 (d,4n+p) >>

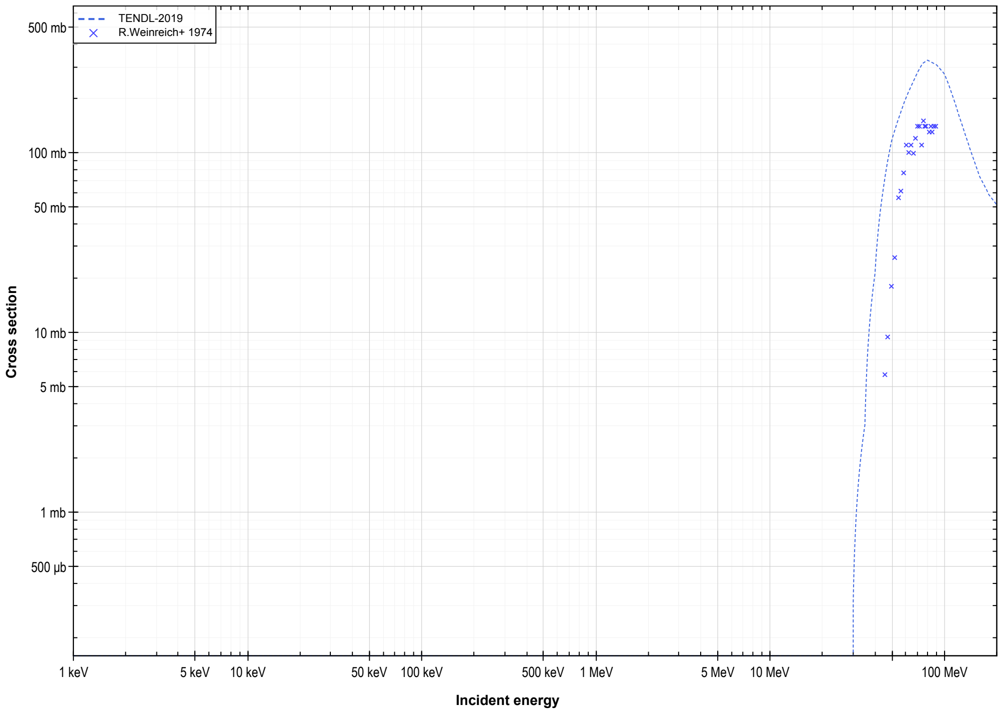




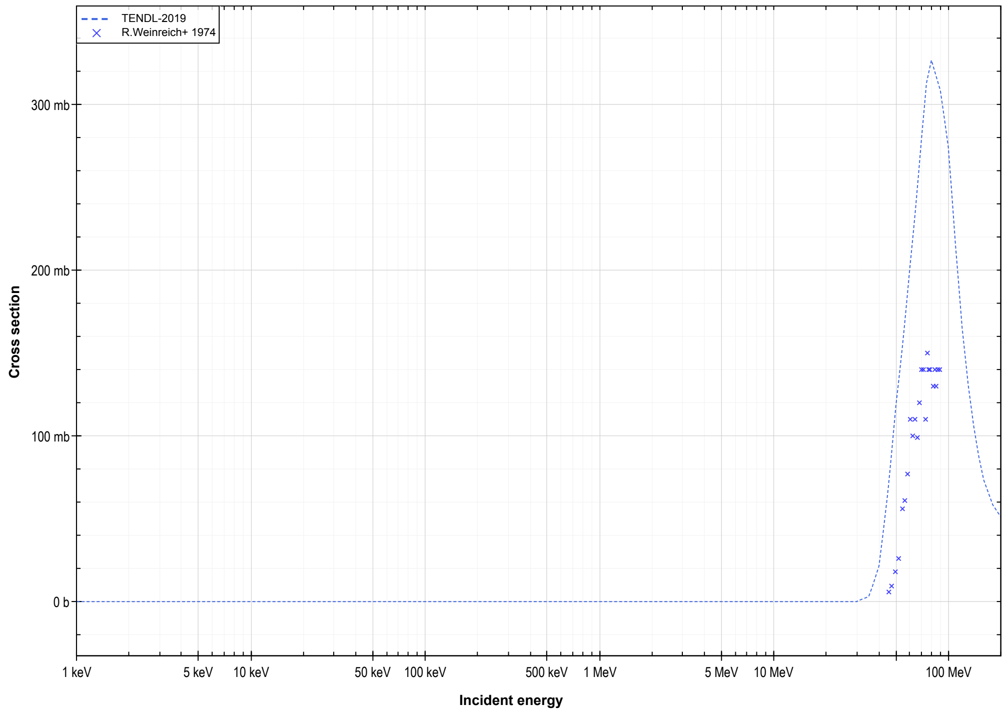
Reaction	Q-Value
I127(d,2n+t)I124	-19575.02 keV
I127(d,3n+d)I124	-25832.25 keV
I127(d,4n+p)I124	-28056.82 keV

<< 27-Co-59	**53-I-127**	73-Ta-181 >>
<< MT154 (d,2n+t)	**MT156 (d,4n+p) or MT5 (I124 production)**	MT157 (d,3n+d) >>

I127 (d,4n+p) or I124 production log-log



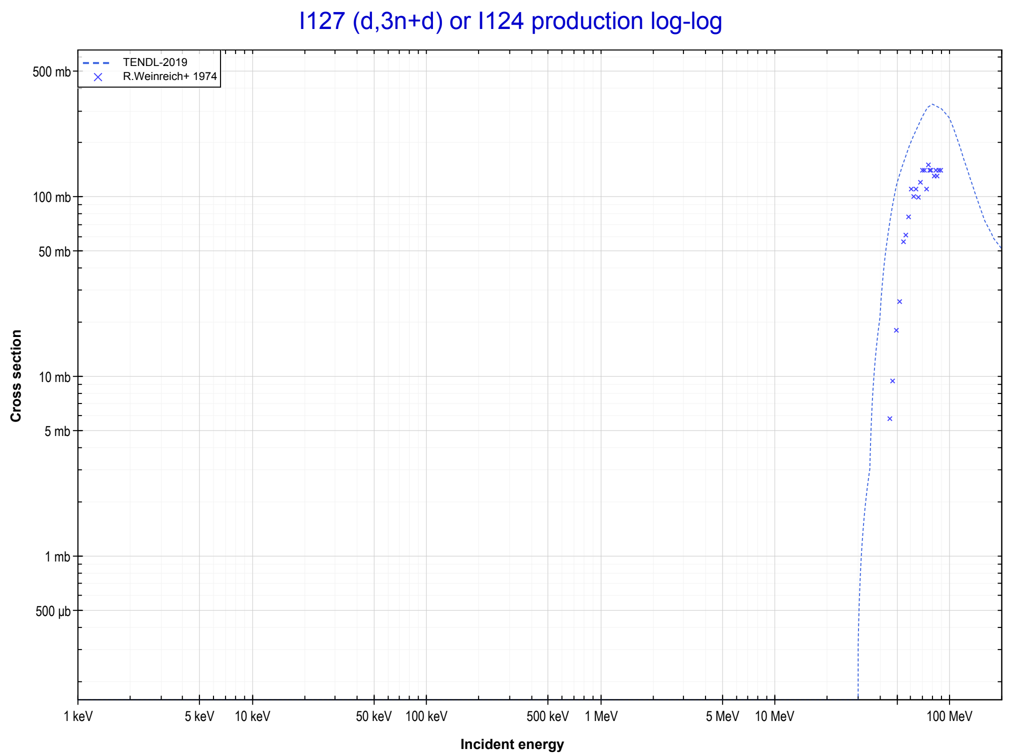
I127 (d,4n+p) or I124 production lin-log



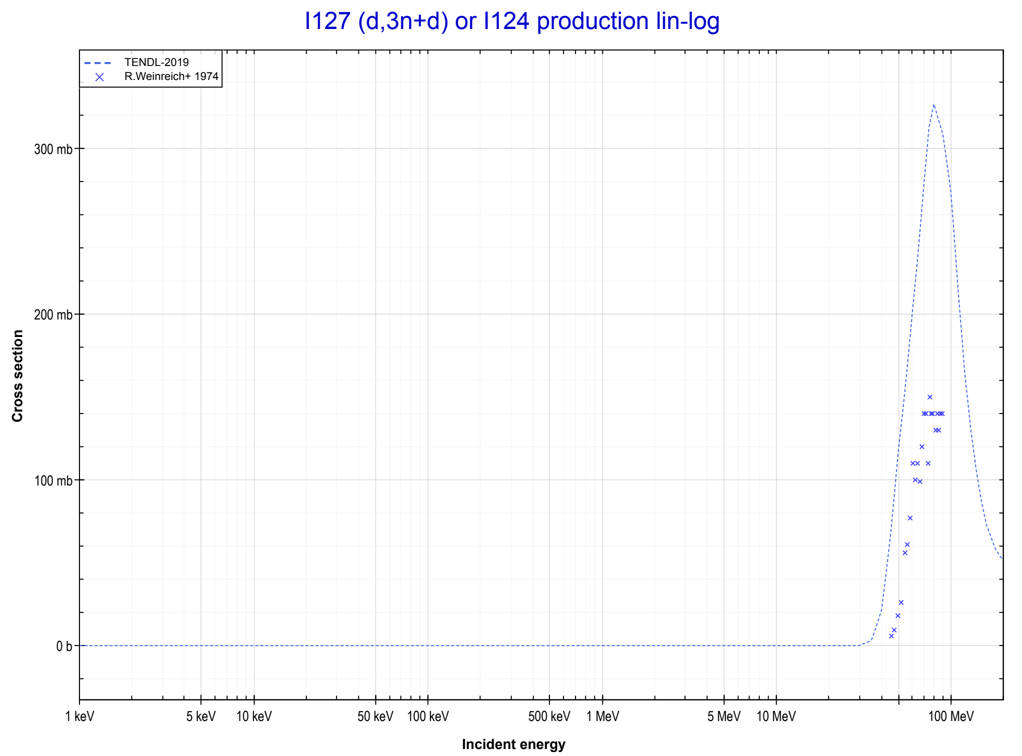
Reaction	Q-Value
I127(d,2n+t)I124	-19575.02 keV
I127(d,3n+d)I124	-25832.25 keV
I127(d,4n+p)I124	-28056.82 keV

<< 27-Co-59	**53-I-127**	79-Au-197 >>
<< MT156 (d,4n+p)	**MT157 (d,3n+d) or MT5 (I124 production)**	MT160 (d,7n) >>

I127 (d,3n+d) or I124 production log-log



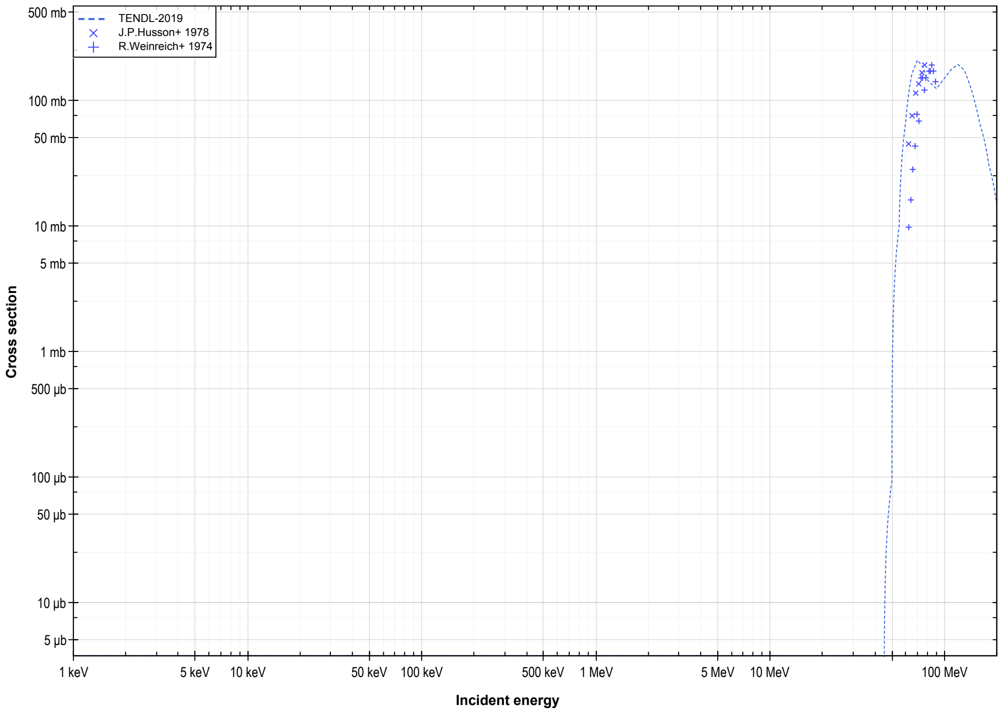
I127 (d,3n+d) or I124 production lin-log



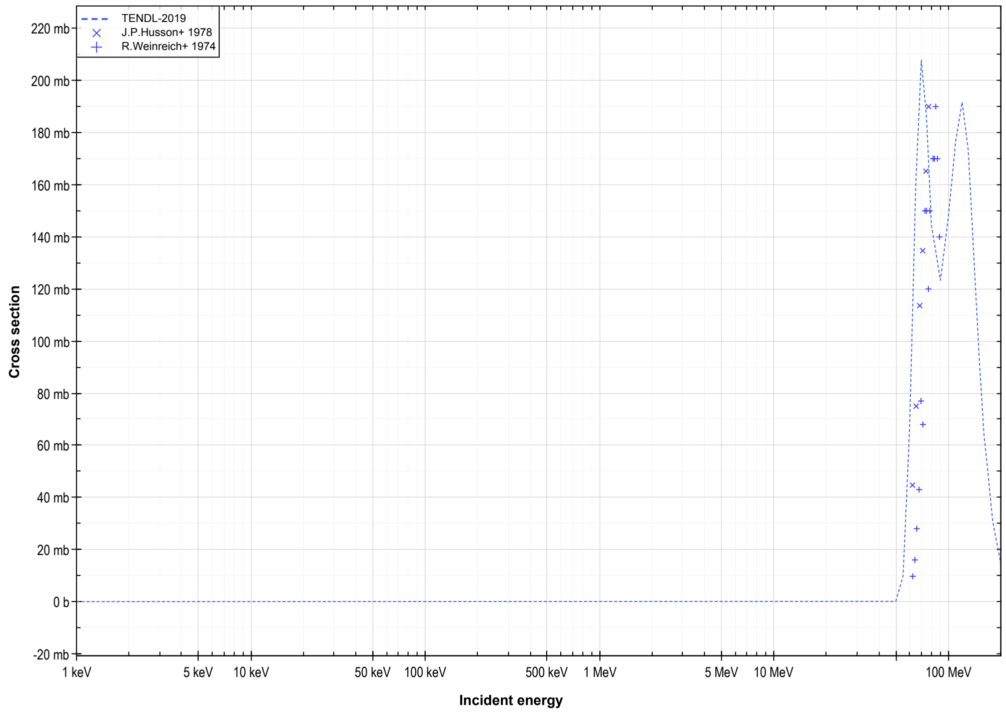
Reaction	Q-Value
I127(d,2n+t)I124	-19575.02 keV
I127(d,3n+d)I124	-25832.25 keV
I127(d,4n+p)I124	-28056.82 keV

	53-I-127	73-Ta-181 >>
<< MT157 (d,3n+d)	**MT160 (d,7n) or MT5 (Xe122 production)**	MT161 (d,8n) >>

I127 (d,7n) or Xe122 production log-log



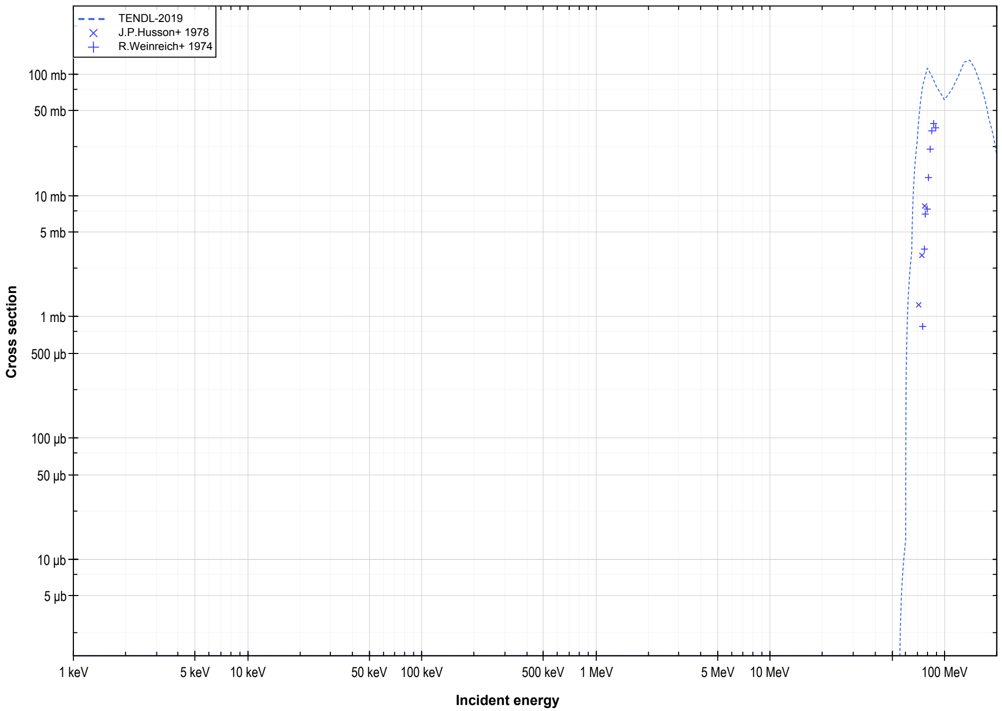
I127 (d,7n) or Xe122 production lin-log



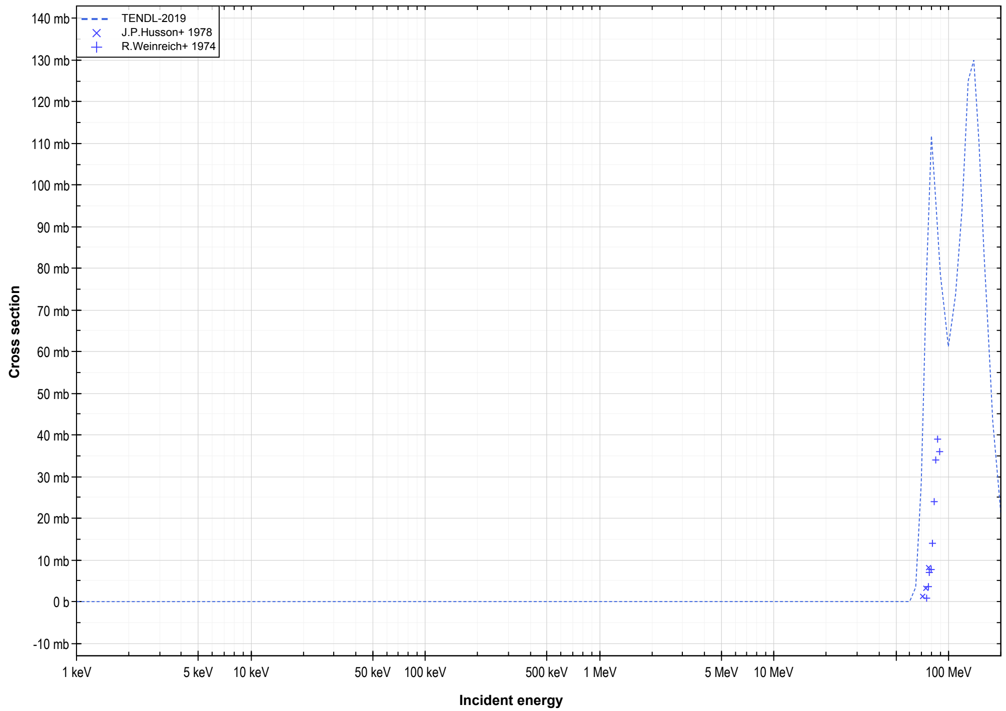
Reaction	Q-Value
I127(d,7n)Xe122	-46992.50 keV

	53-I-127	79-Au-197 >>
<< MT160 (d,7n)	**MT161 (d,8n) or MT5 (Xe121 production)**	MT162 (d,5n+p) >>

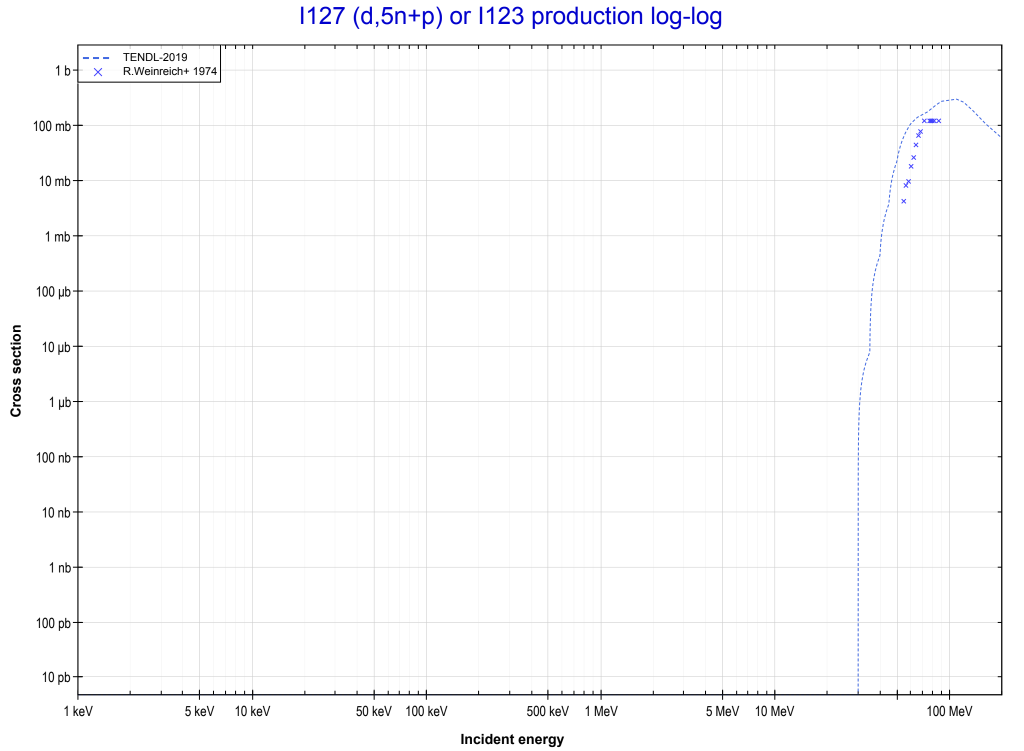
I127 (d,8n) or Xe121 production log-log

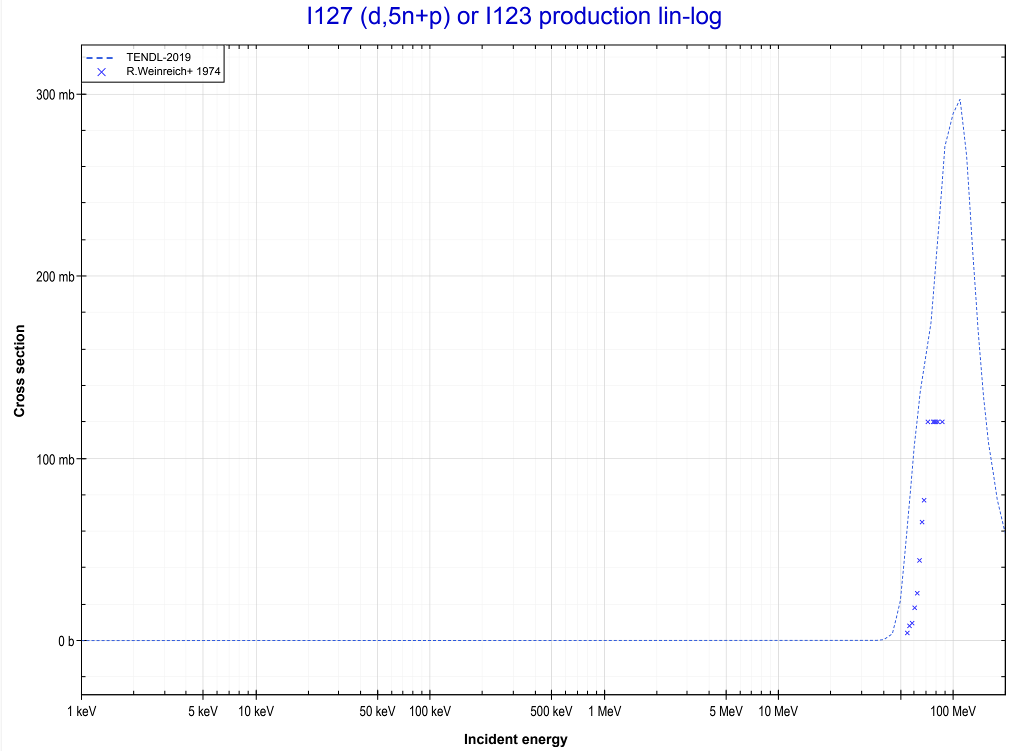


I127 (d,8n) or Xe121 production lin-log



Reaction	Q-Value
I127(d,8n)Xe121	-57937.82 keV

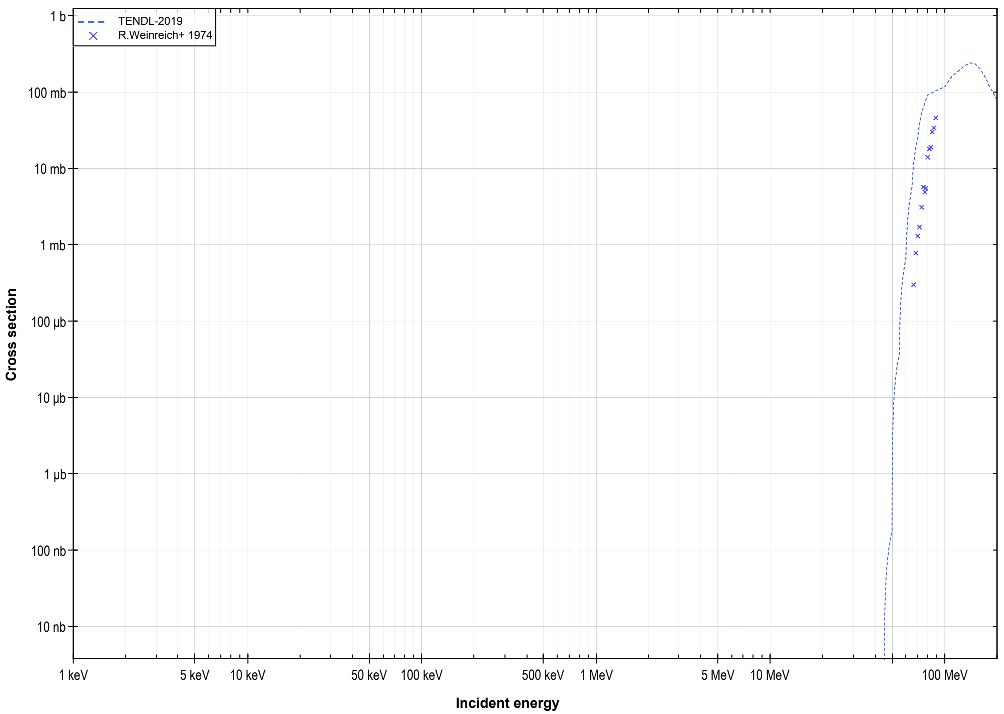




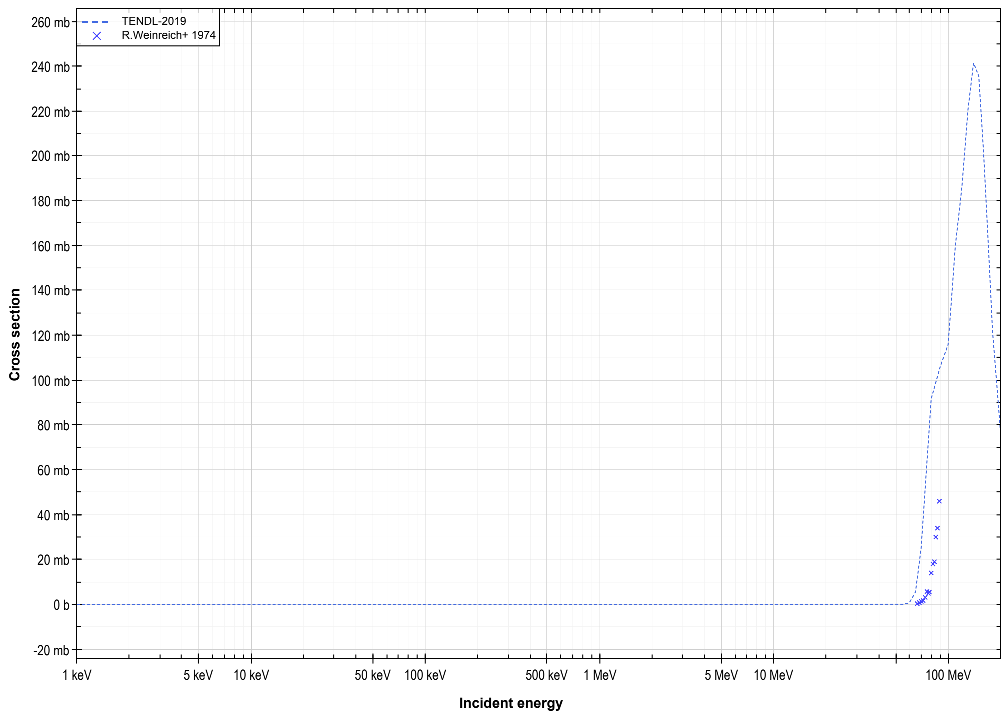
Reaction	Q-Value
I127(d,3n+t)I123	-27068.04 keV
I127(d,4n+d)I123	-33325.27 keV
I127(d,5n+p)I123	-35549.83 keV

	53-I-127	79-Au-197 >>
<< MT162 (d,5n+p)	**MT164 (d,7n+p) or MT5 (I121 production)**	MT169 (d,4n+d) >>

I127 (d,7n+p) or I121 production log-log

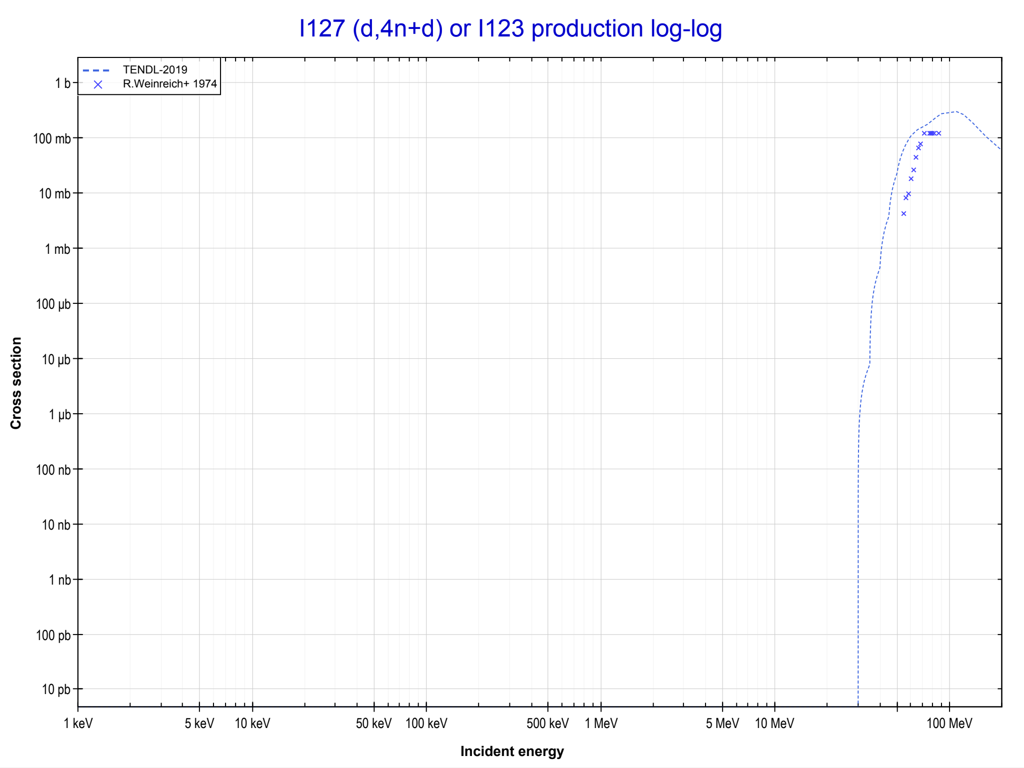


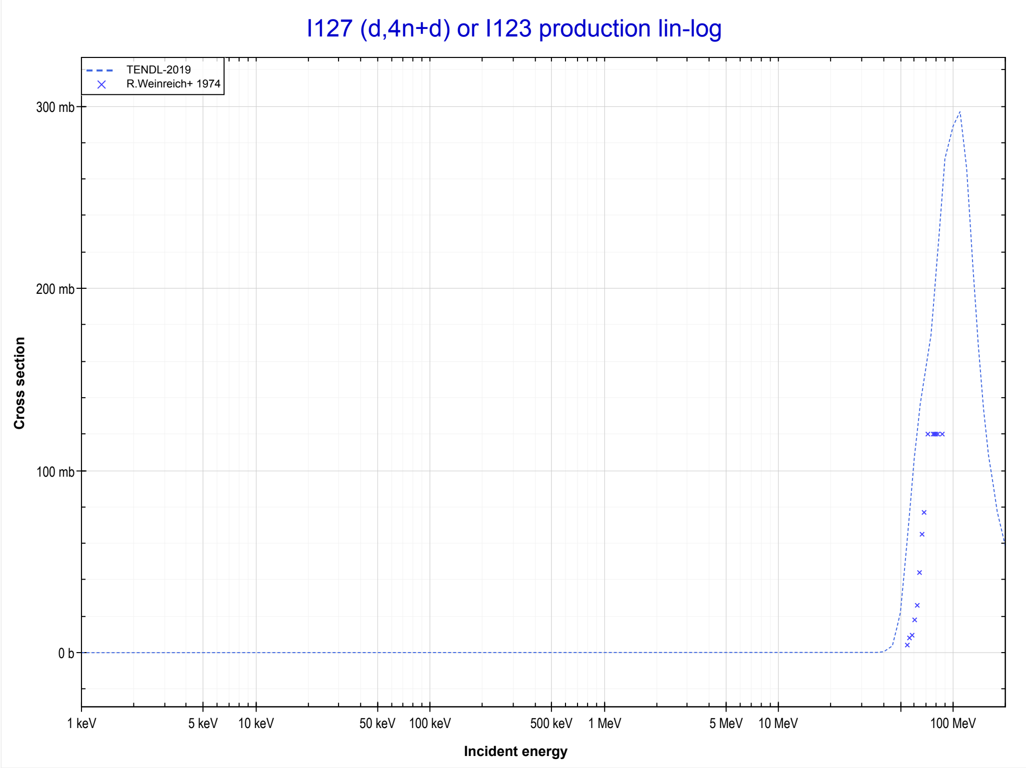
I127 (d,7n+p) or I121 production lin-log



Reaction	Q-Value
I127(d,5n+t)I121	-44903.67 keV
I127(d,6n+d)I121	-51160.90 keV
I127(d,7n+p)I121	-53385.47 keV

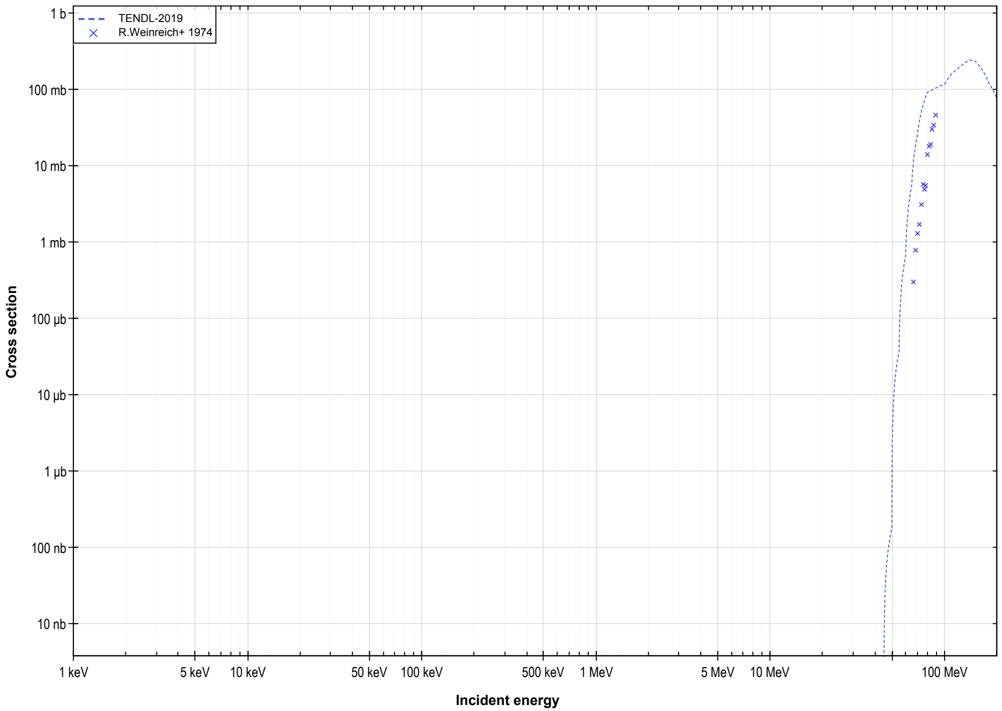
<< 45-Rh-103	**53-I-127**	79-Au-197 >>
<< MT164 (d,7n+p)	**MT169 (d,4n+d) or MT5 (I123 production)**	MT171 (d,6n+d) >>



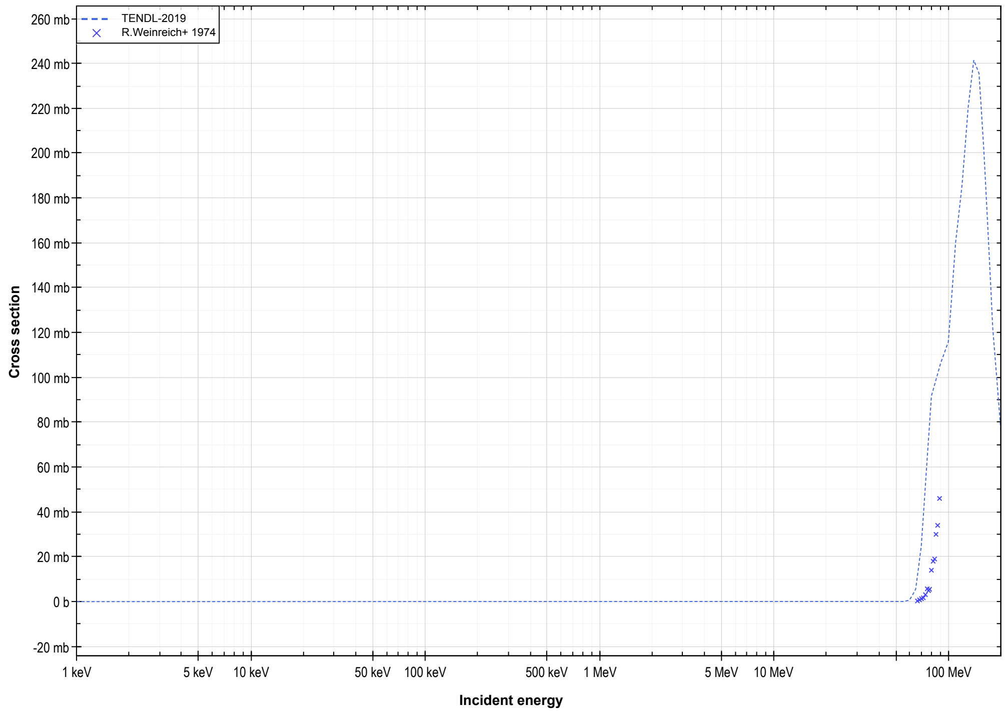


Reaction	Q-Value
I127(d,3n+t)I123	-27068.04 keV
I127(d,4n+d)I123	-33325.27 keV
I127(d,5n+p)I123	-35549.83 keV

I127 (d,6n+d) or I121 production log-log

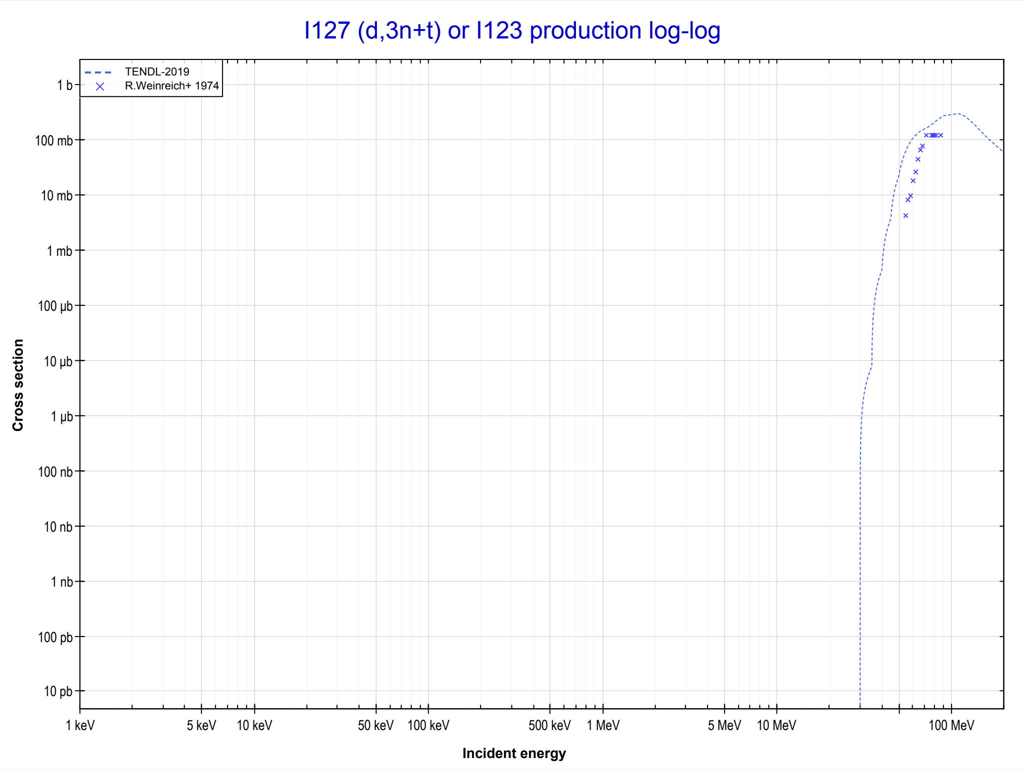


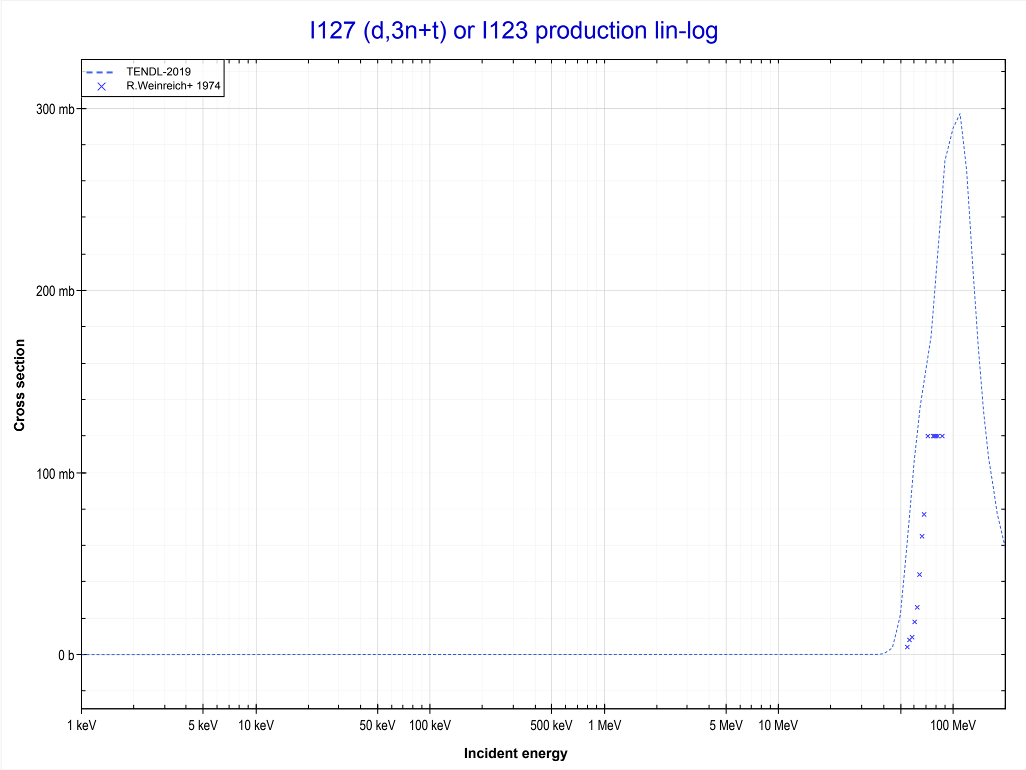
I127 (d,6n+d) or I121 production lin-log



Reaction	Q-Value
I127(d,5n+t)I121	-44903.67 keV
I127(d,6n+d)I121	-51160.90 keV
I127(d,7n+p)I121	-53385.47 keV

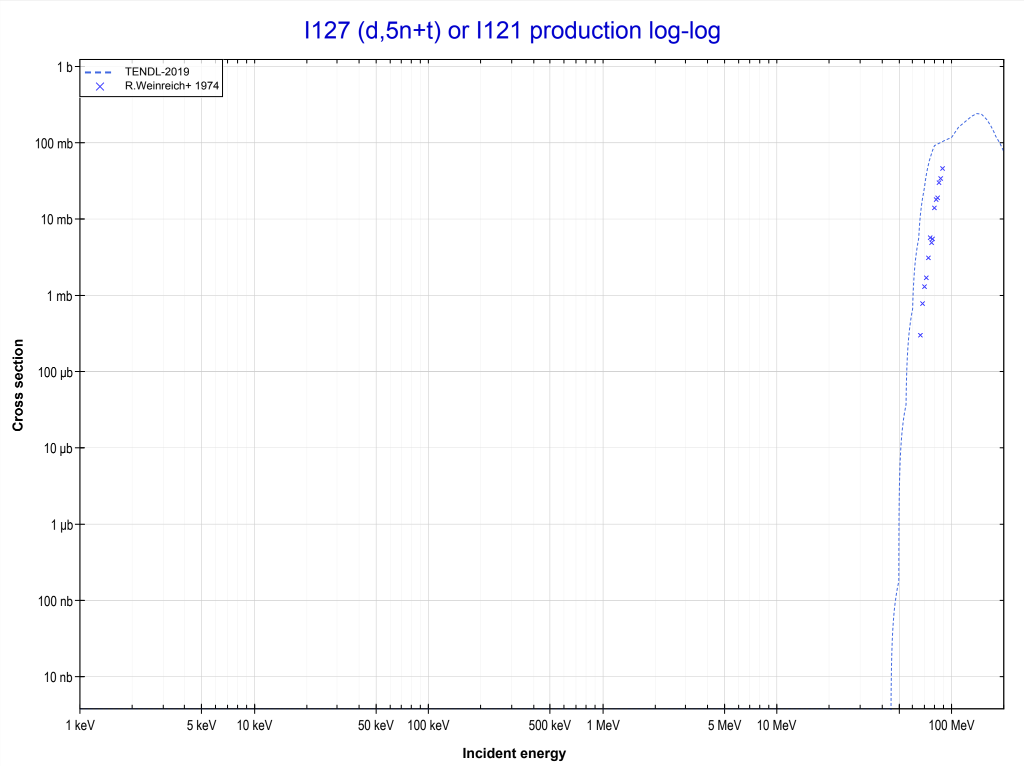
<< 45-Rh-103	**53-I-127**	79-Au-197 >>
<< MT171 (d,6n+d)	**MT172 (d,3n+t) or MT5 (I123 production)**	MT174 (d,5n+t) >>

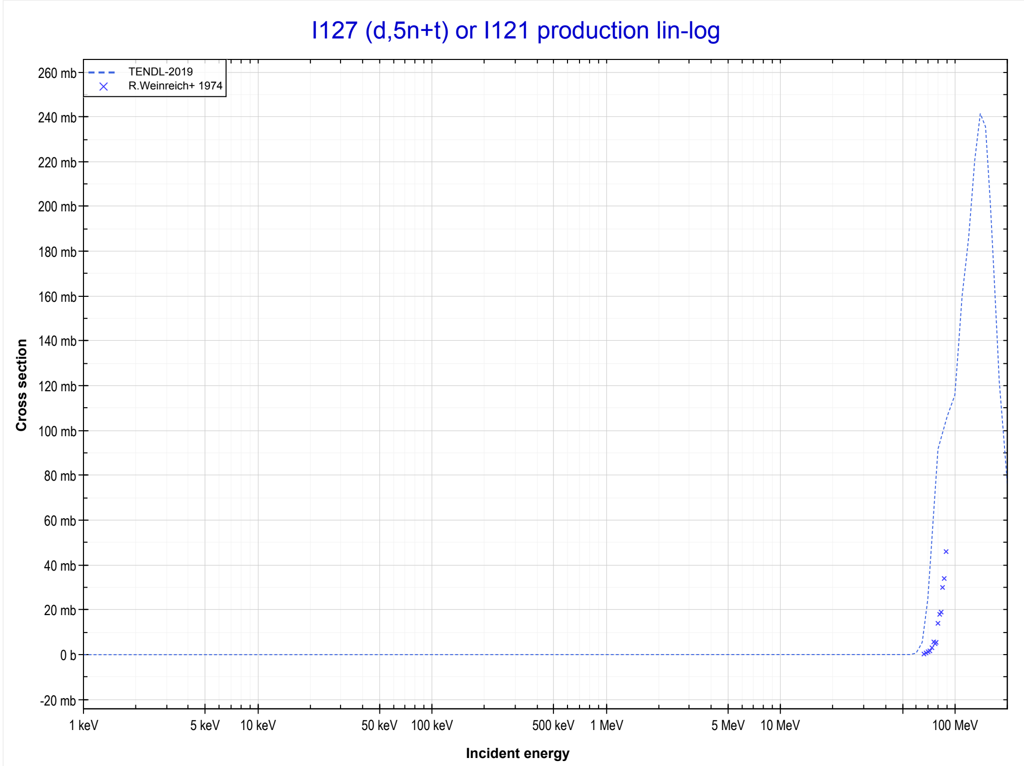




Reaction	Q-Value
I127(d,3n+t)I123	-27068.04 keV
I127(d,4n+d)I123	-33325.27 keV
I127(d,5n+p)I123	-35549.83 keV

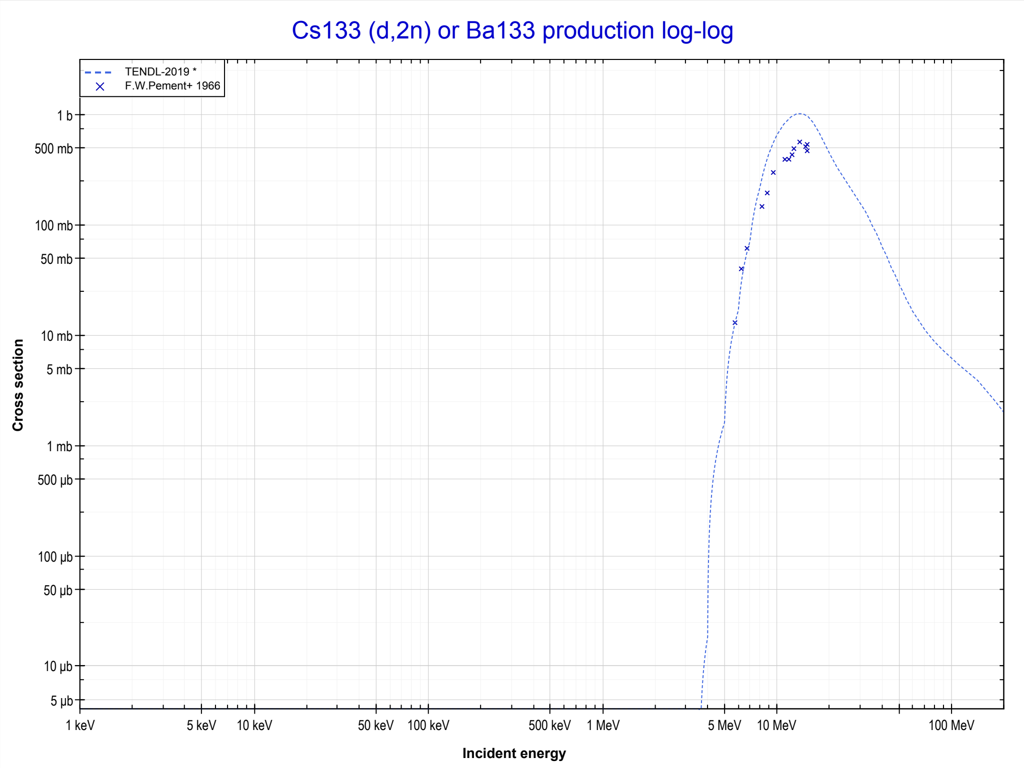
	53-I-127	79-Au-197 >>
<< MT172 (d,3n+t)	**MT174 (d,5n+t) or MT5 (I121 production)**	55-Cs-133 MT16 (d,2n) >>

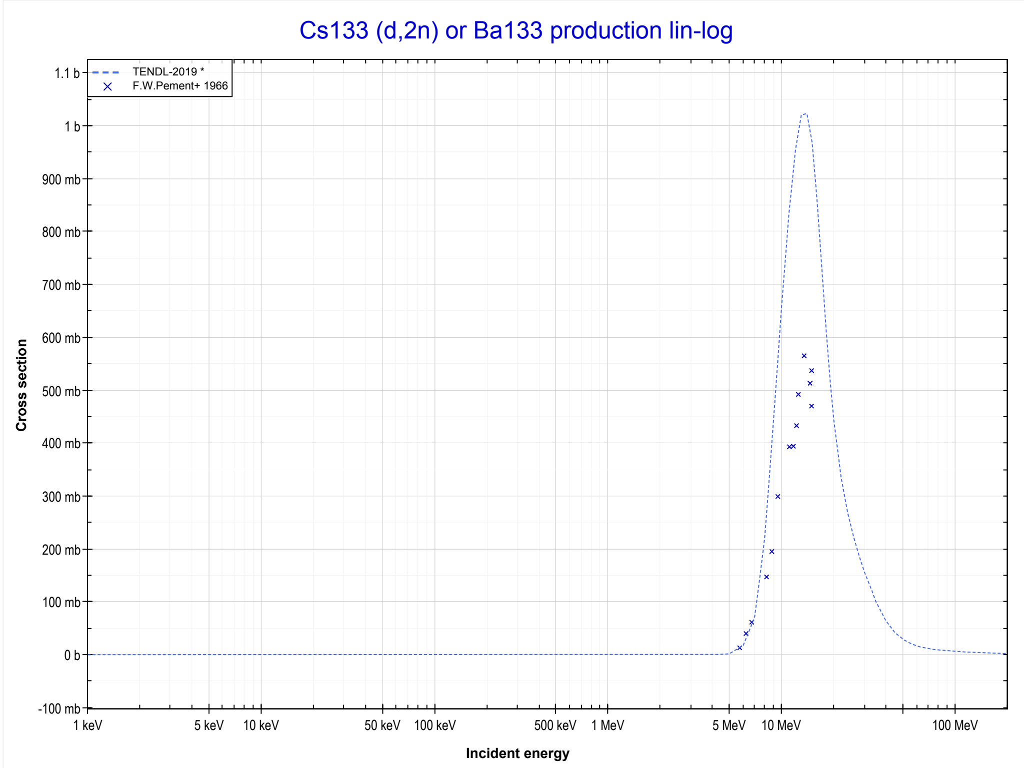




Reaction	Q-Value
I127(d,5n+t)I121	-44903.67 keV
I127(d,6n+d)I121	-51160.90 keV
I127(d,7n+p)I121	-53385.47 keV

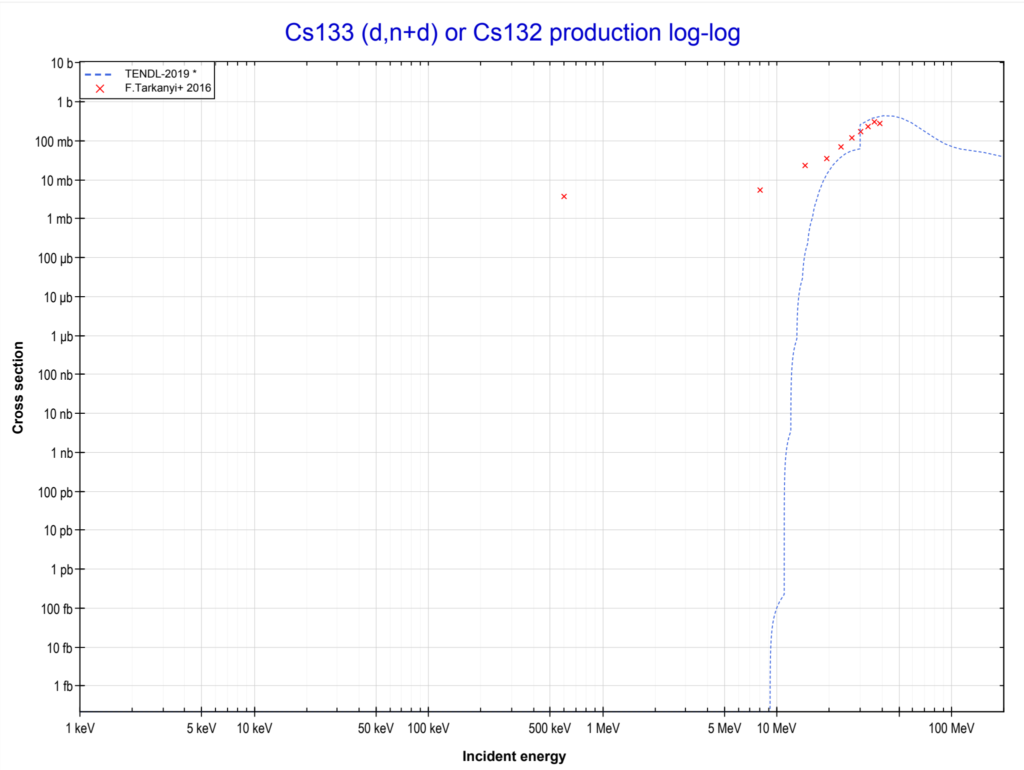
<< 53-I-127	**55-Cs-133**	58-Ce-142 >>
<< 53-I-127 MT174 (d,5n+t)	**MT16 (d,2n) or MT5 (Ba133 production)**	MT32 (d,n+d) >>

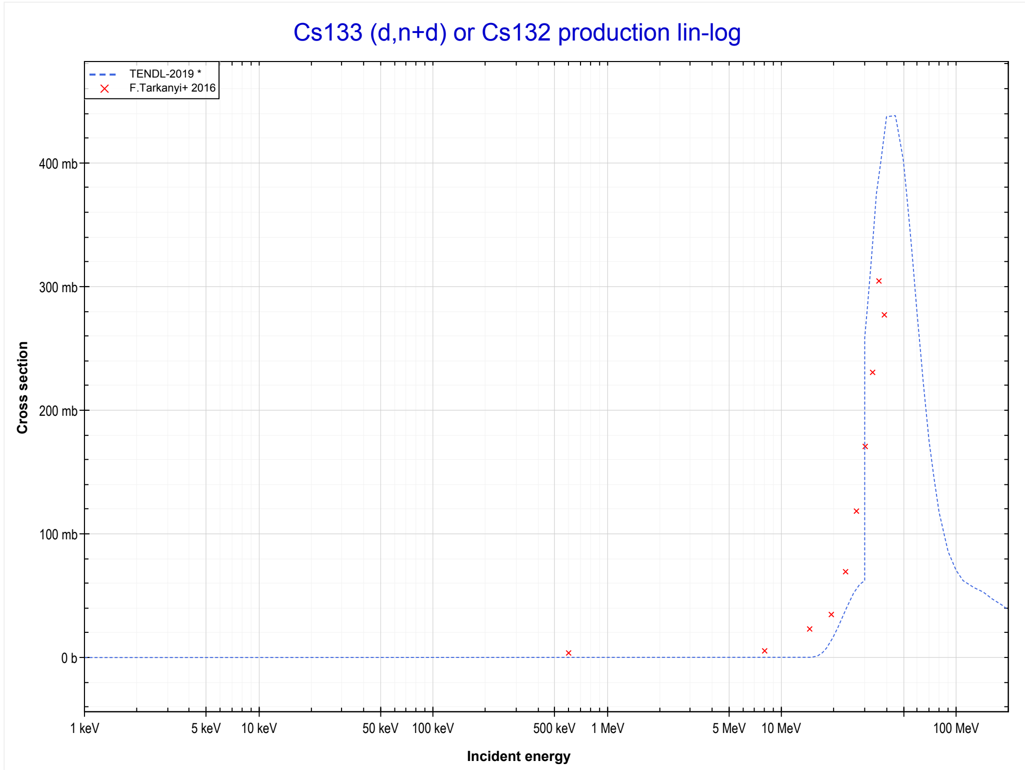




Reaction	Q-Value
Cs133(d,2n)Ba133	-3524.24 keV

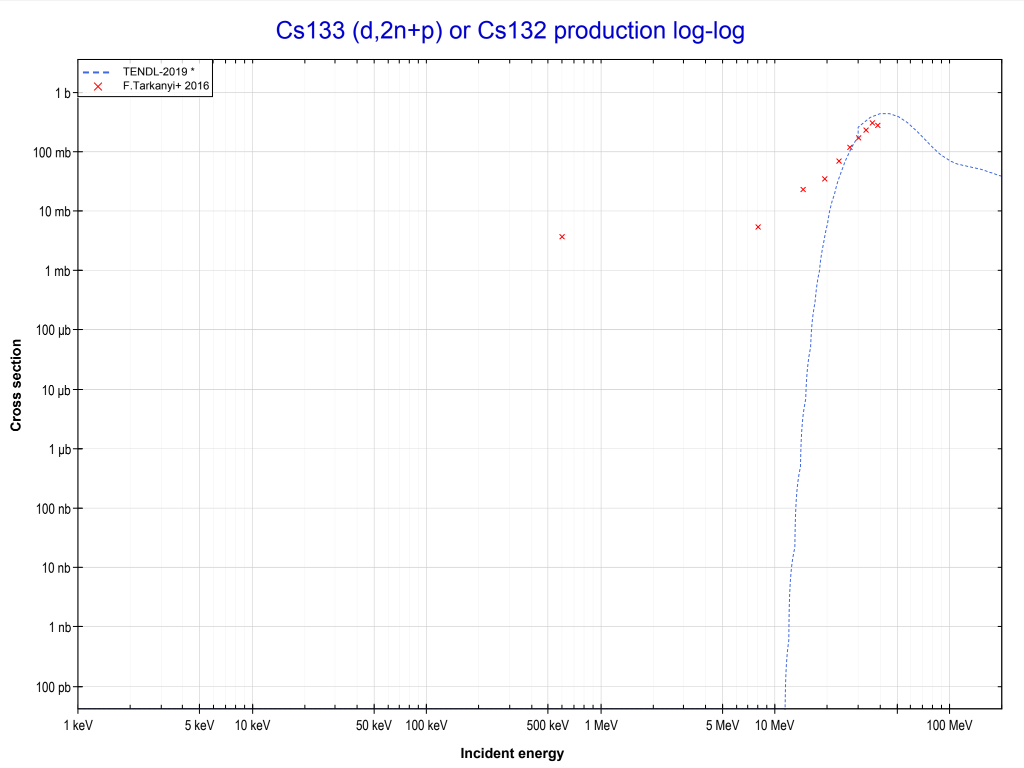
<< 53-I-127	**55-Cs-133**	69-Tm-169 >>
<< MT16 (d,2n)	**MT32 (d,n+d) or MT5 (Cs132 production)**	MT41 (d,2n+p) >>

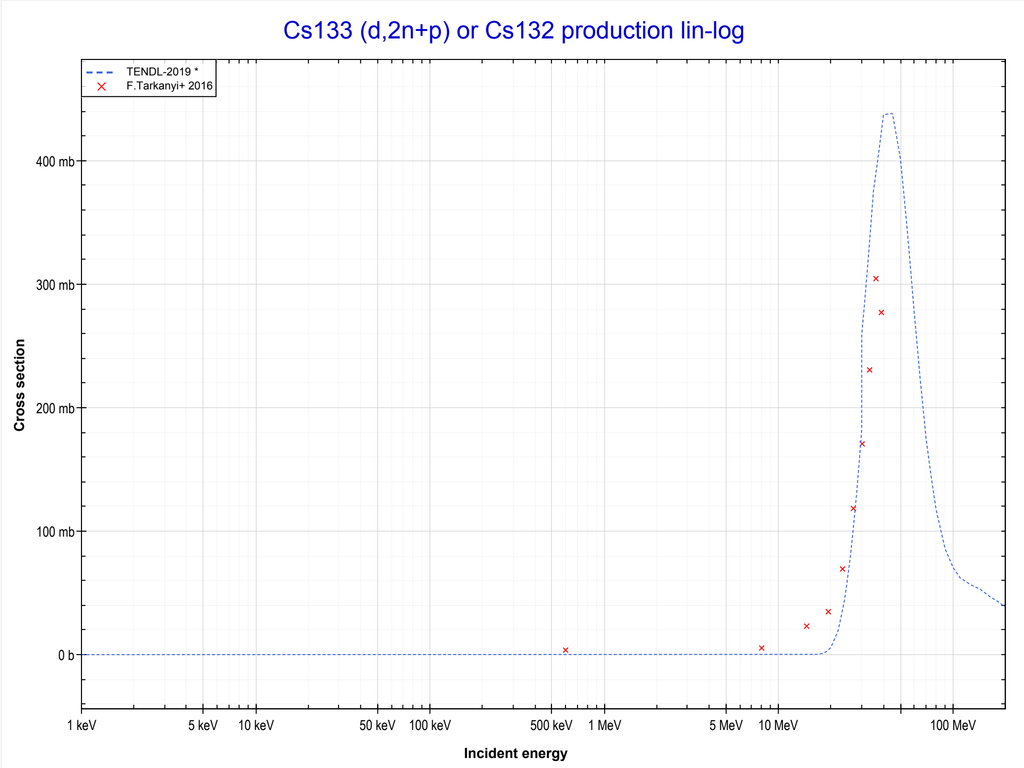




Reaction	Q-Value
Cs133(d,t)Cs132	-2732.32 keV
Cs133(d,n+d)Cs132	-8989.55 keV
Cs133(d,2n+p)Cs132	-11214.11 keV

<< 53-I-127	**55-Cs-133**	69-Tm-169 >>
<< MT32 (d,n+d)	**MT41 (d,2n+p) or MT5 (Cs132 production)**	MT103 (d,p) >>

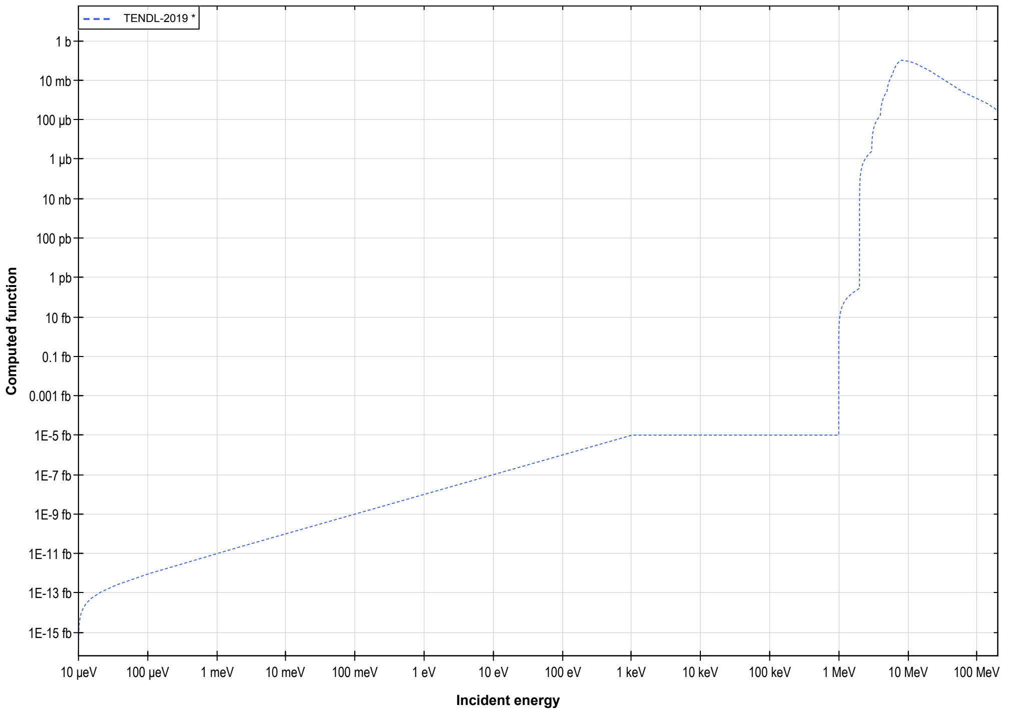




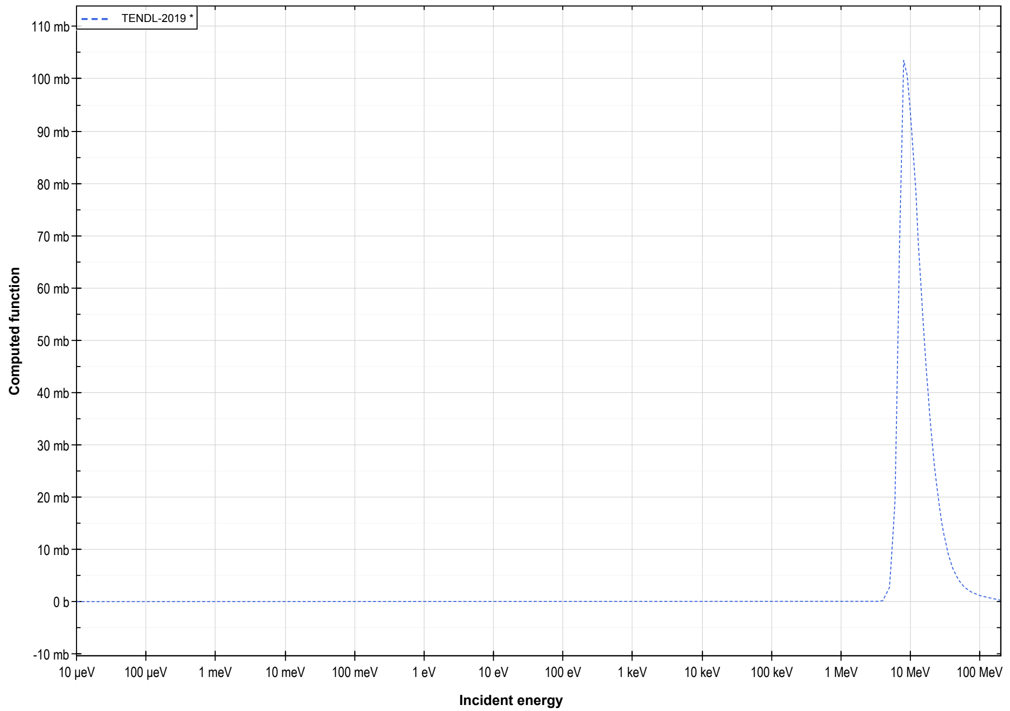
Reaction	Q-Value
Cs133(d,t)Cs132	-2732.32 keV
Cs133(d,n+d)Cs132	-8989.55 keV
Cs133(d,2n+p)Cs132	-11214.11 keV

<< 52-Te-130	**55-Cs-133**	56-Ba-138 >>
<< MT41 (d,2n+p)	**MT103 (d,p) or MT5 (Cs134 production)**	MT105 (d,t) >>

Cs133 (d,p) or Cs134 production log-log



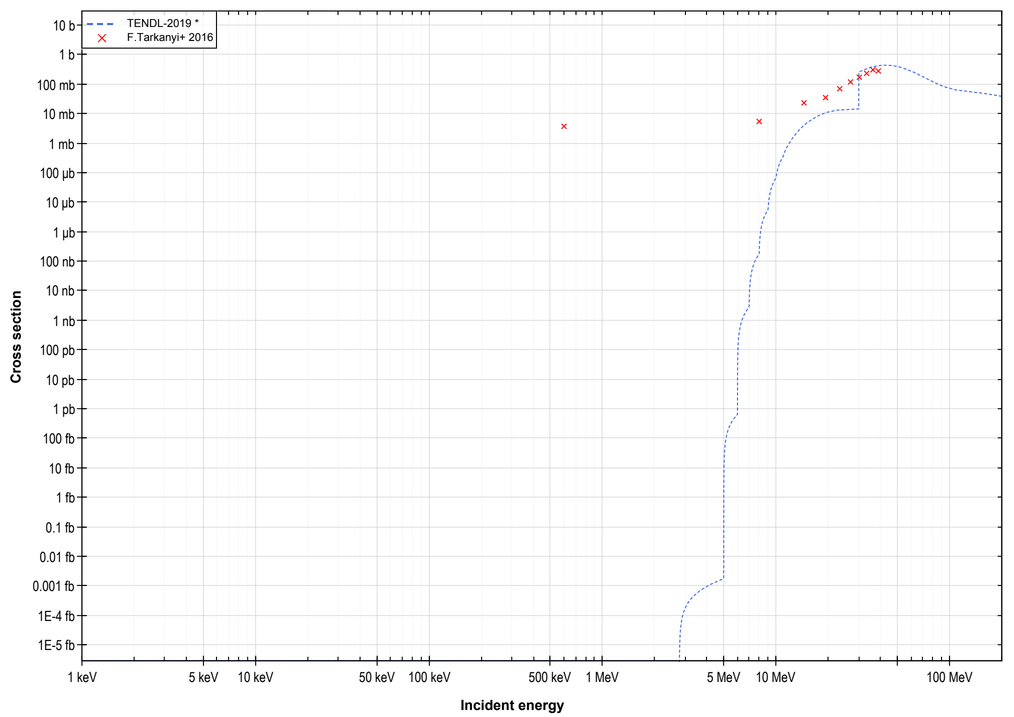
Cs133 (d,p) or Cs134 production lin-log



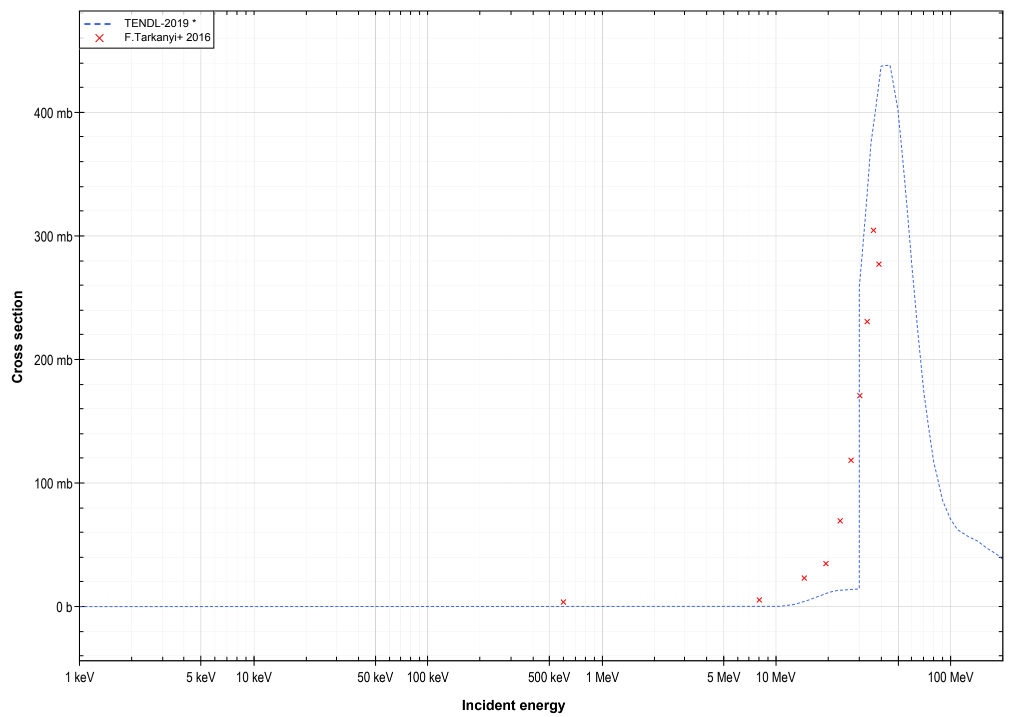
Reaction	Q-Value
Cs133(d,p)Cs134	4666.97 keV

<< 53-I-127	**55-Cs-133**	69-Tm-169 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Cs132 production)**	56-Ba-138 MT102 (d,γ) >>

Cs133 (d,t) or Cs132 production log-log

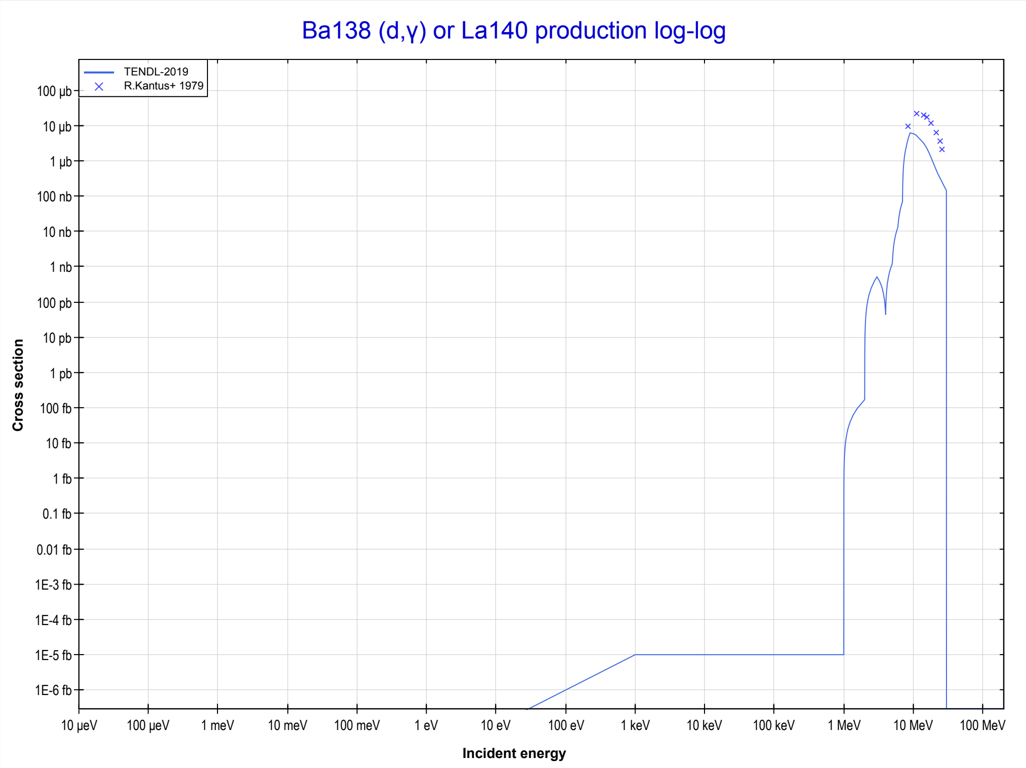


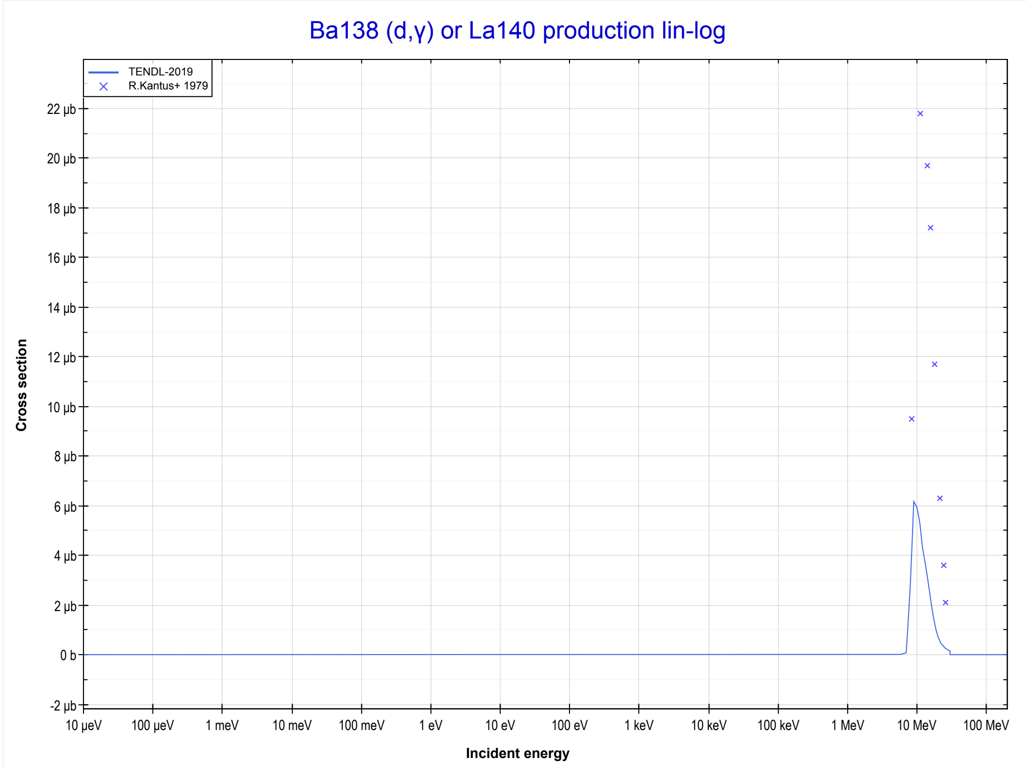
Cs133 (d,t) or Cs132 production lin-log



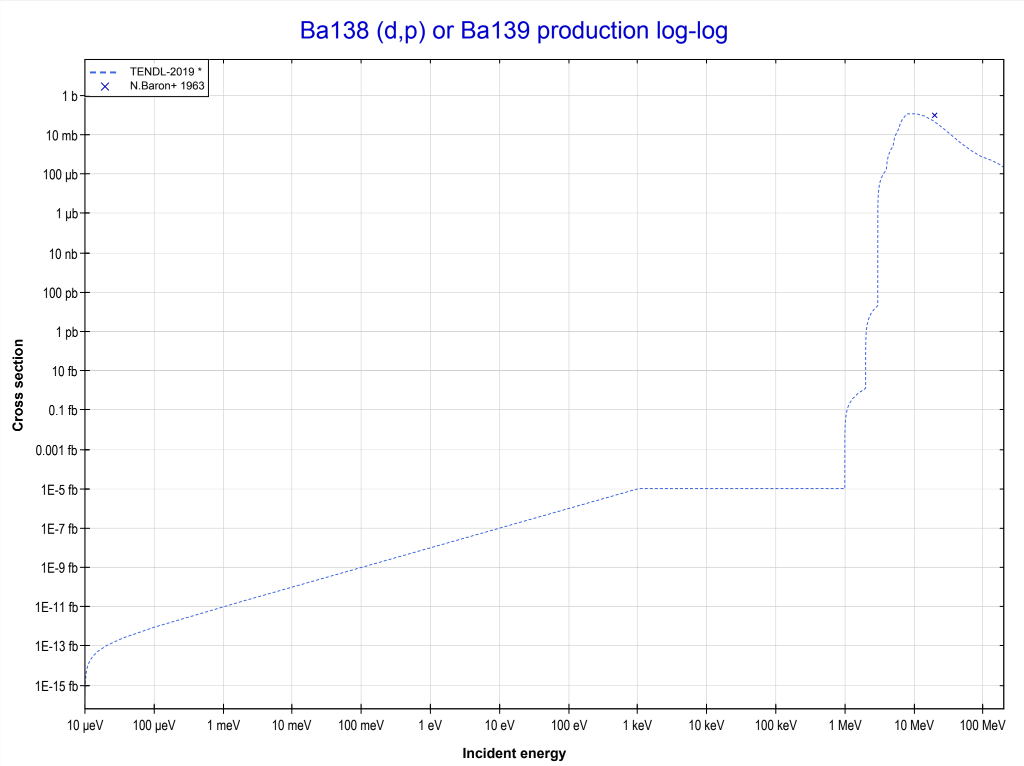
Reaction	Q-Value
Cs133(d,t)Cs132	-2732.32 keV
Cs133(d,n+d)Cs132	-8989.55 keV
Cs133(d,2n+p)Cs132	-11214.11 keV

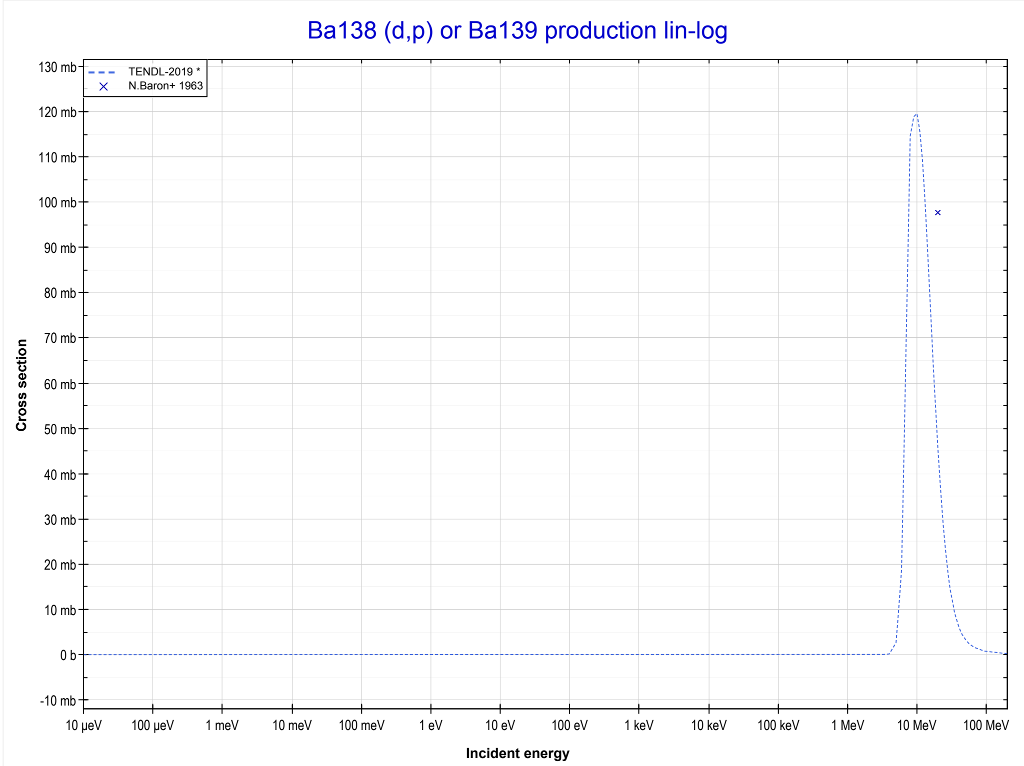
<< 30-Zn-64	**56-Ba-138**	57-La-139 >>
<< 55-Cs-133 MT105 (d,t)	**MT102 (d,γ) or MT5 (La140 production)**	MT103 (d,p) >>



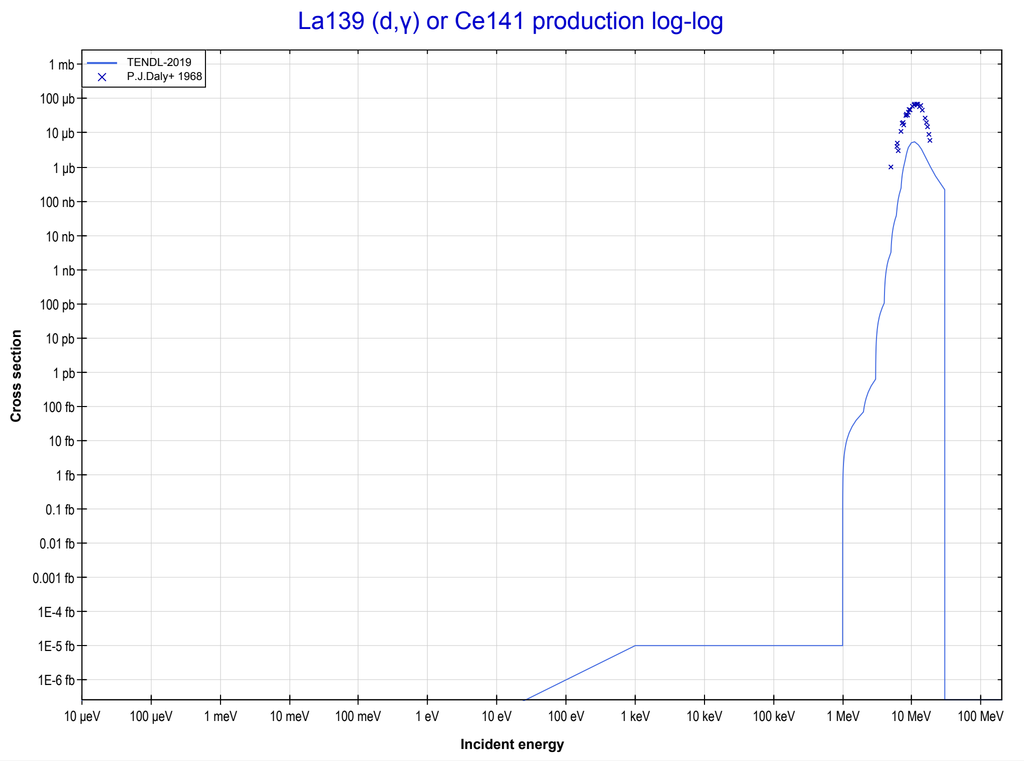


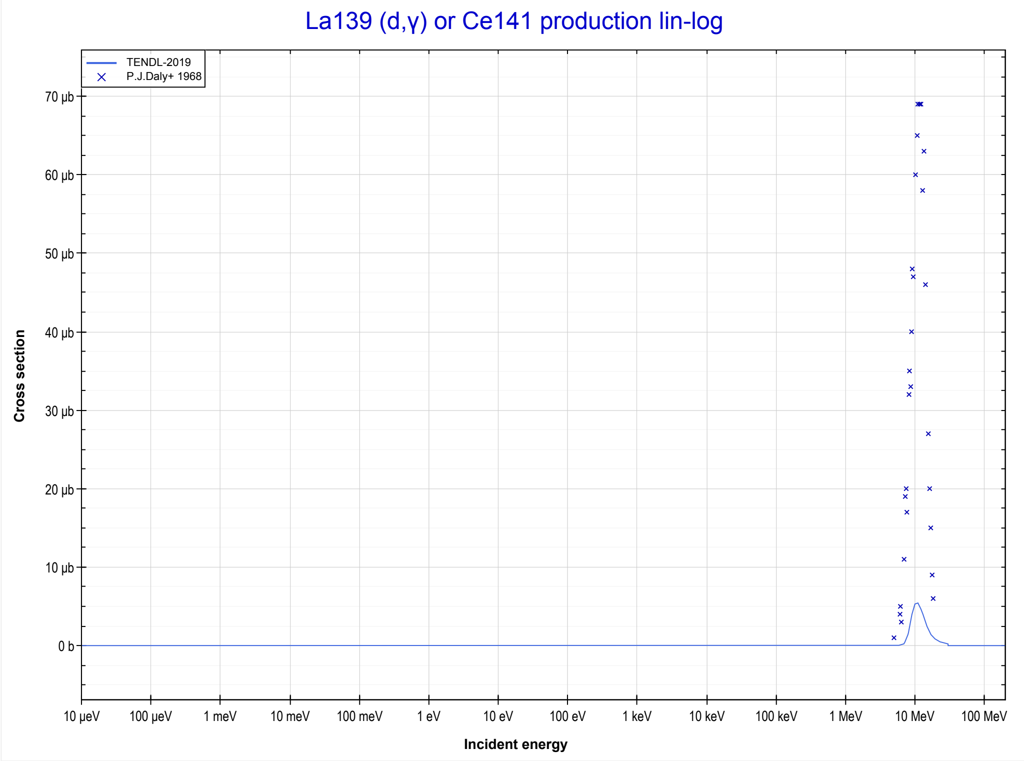
Reaction	Q-Value
Ba138(d,γ)La140	9190.02 keV



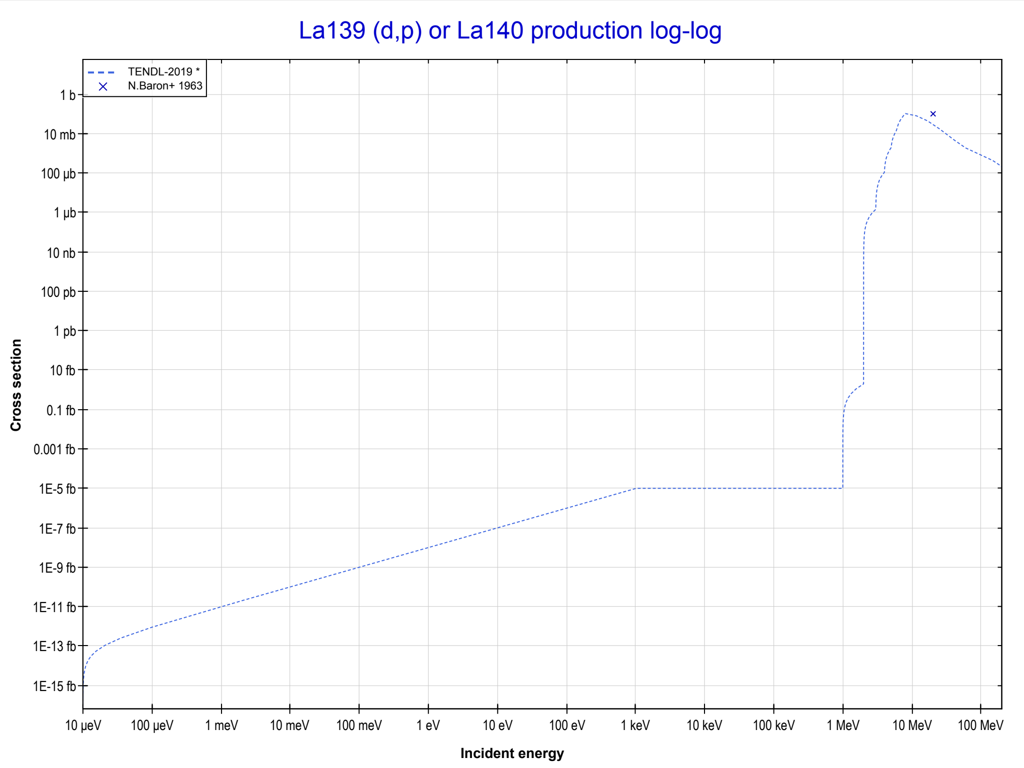


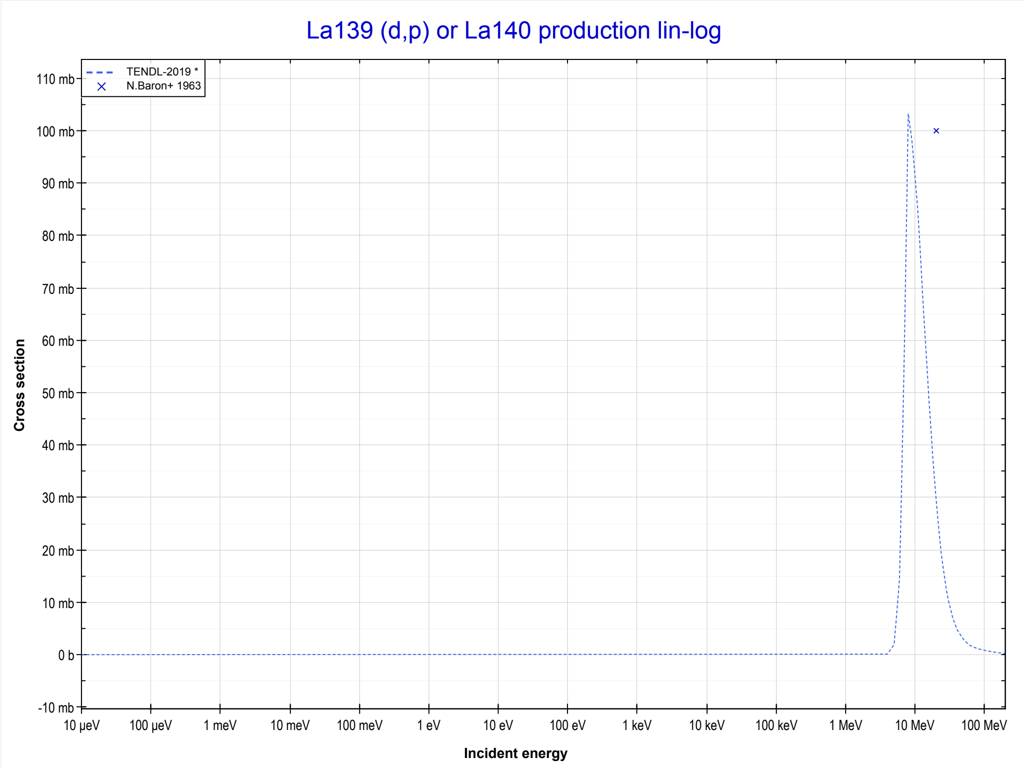
Reaction	Q-Value
Ba138(d,p)Ba139	2498.95 keV





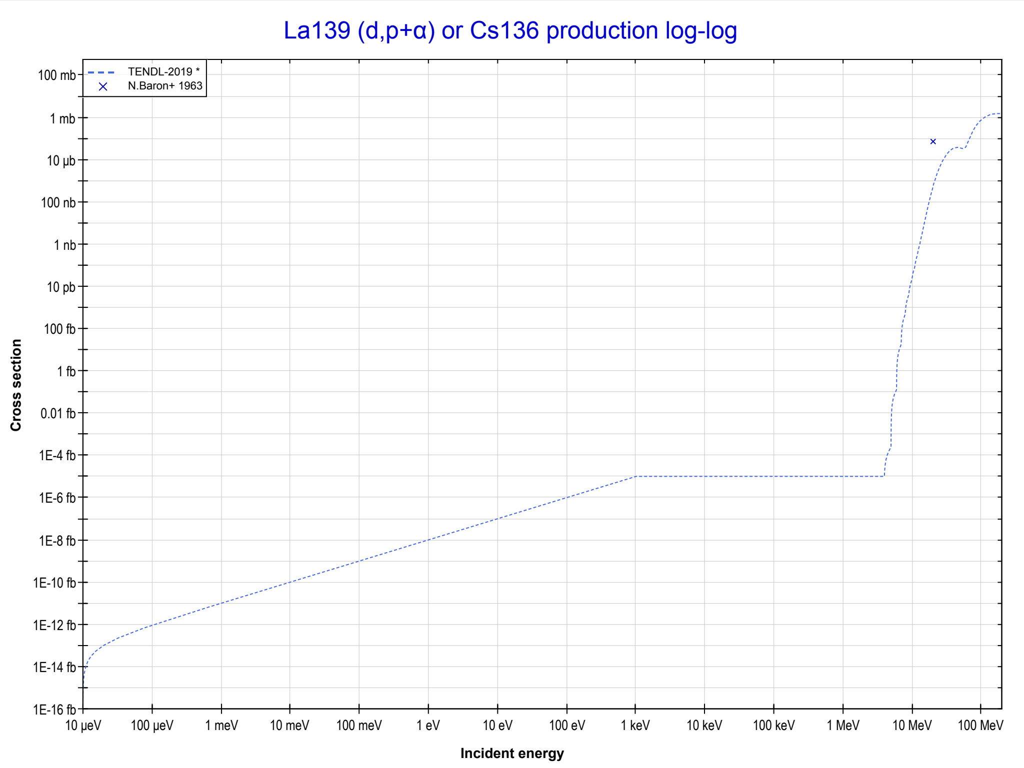
Reaction	Q-Value
La139(d,γ)Ce141	11342.42 keV

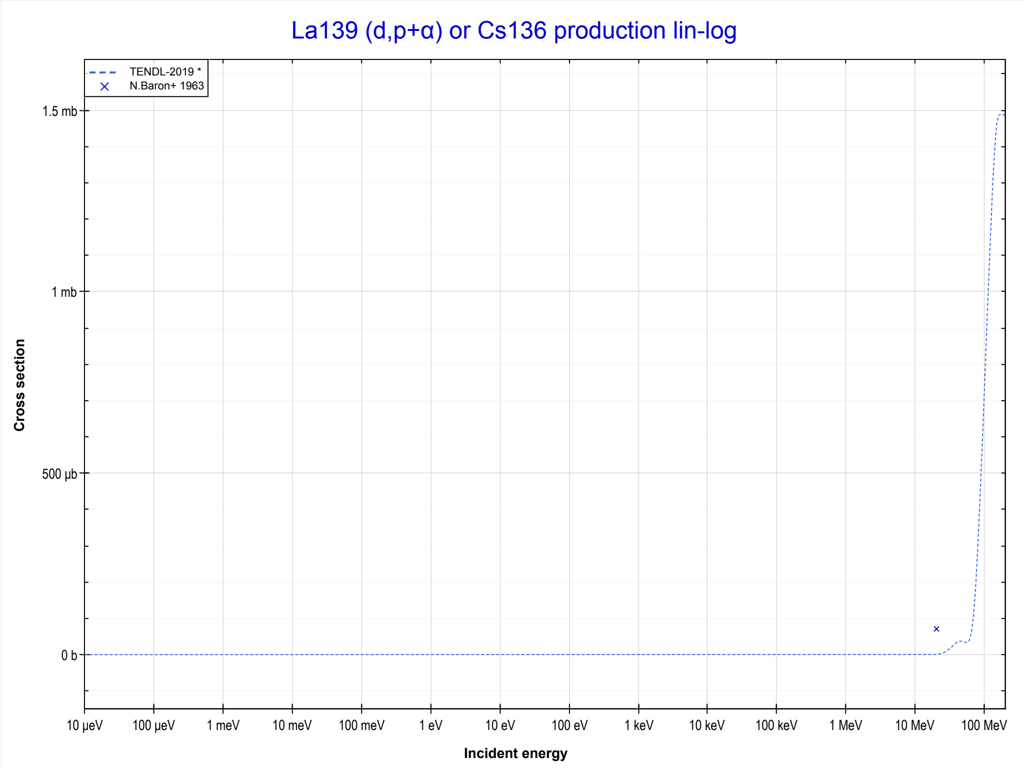




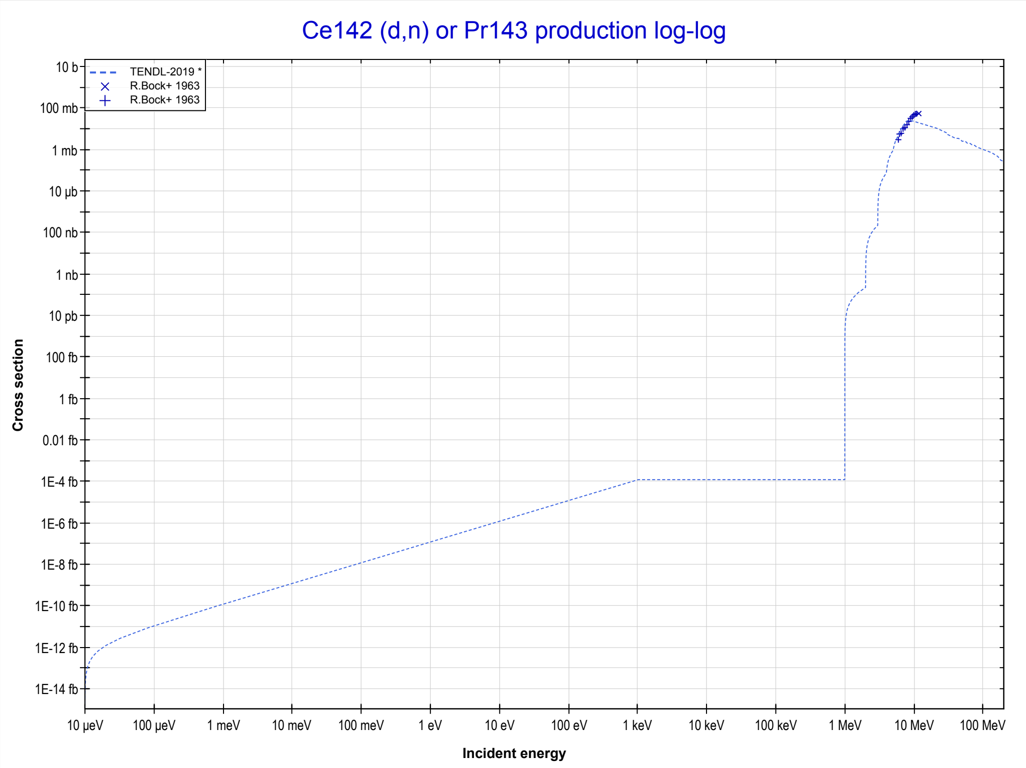
Reaction	Q-Value
La139(d,p)La140	2936.45 keV

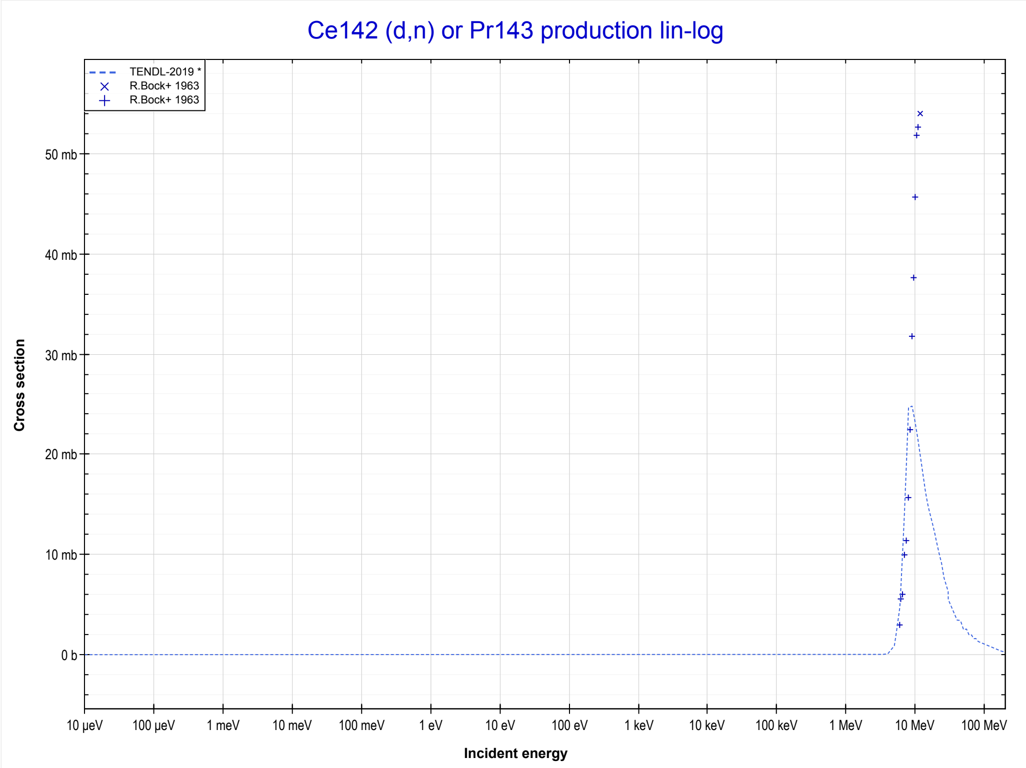
<< 49-In-115	**57-La-139**	
<< MT103 (d,p)	**MT112 (d,p+α) or MT5 (Cs136 production)**	58-Ce-142 MT4 (d,n) >>





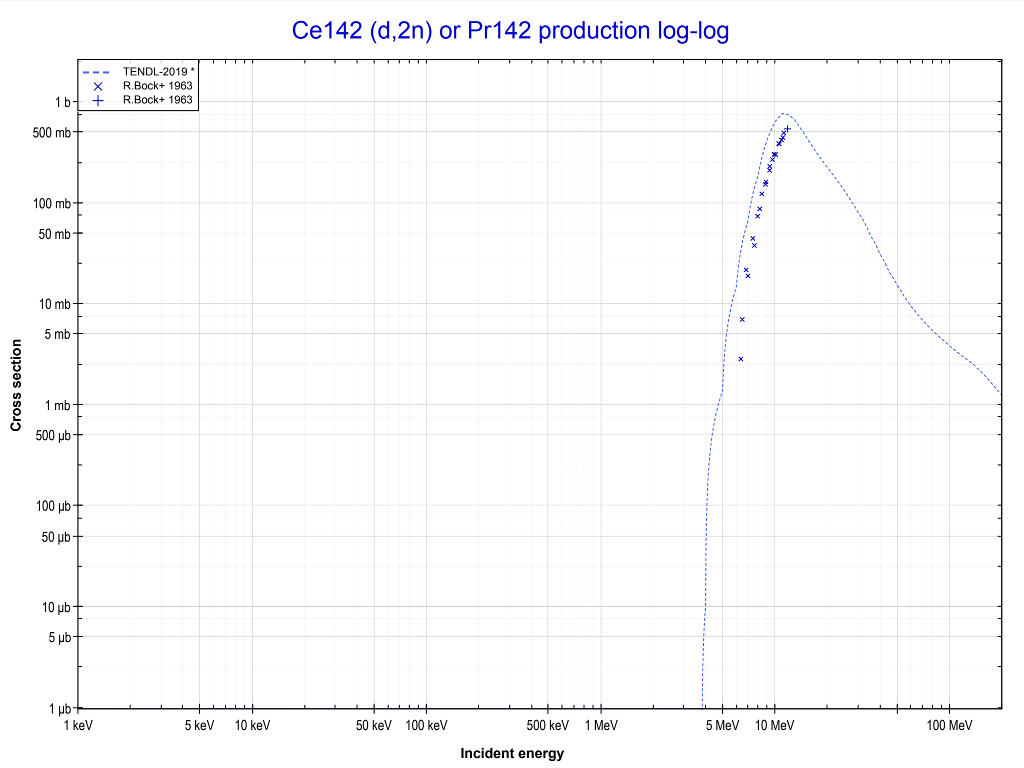
Reaction	Q-Value
La139(d,p+α)Cs136	2534.34 keV
La139(d,d+He3)Cs136	-15818.72 keV
La139(d,2p+t)Cs136	-17279.53 keV
La139(d,n+p+He3)Cs136	-18043.28 keV
La139(d,p+2d)Cs136	-21312.19 keV
La139(d,n+2p+d)Cs136	-23536.76 keV
La139(d,2n+3p)Cs136	-25761.32 keV

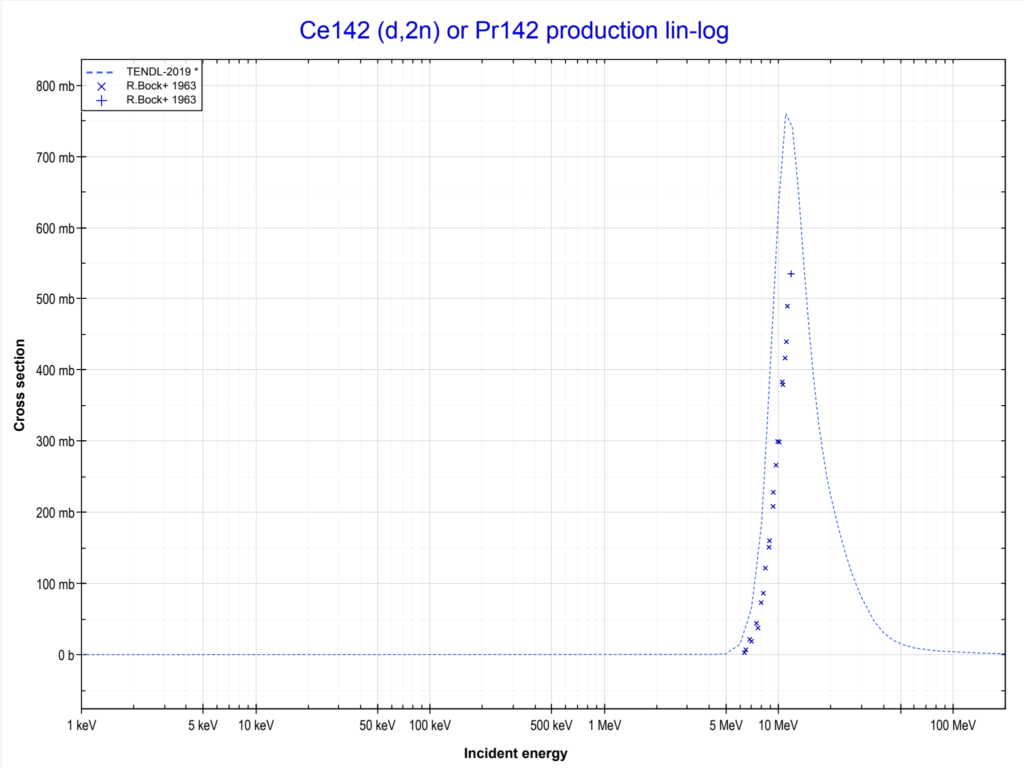




Reaction	Q-Value
Ce142(d,n)Pr143	3599.40 keV

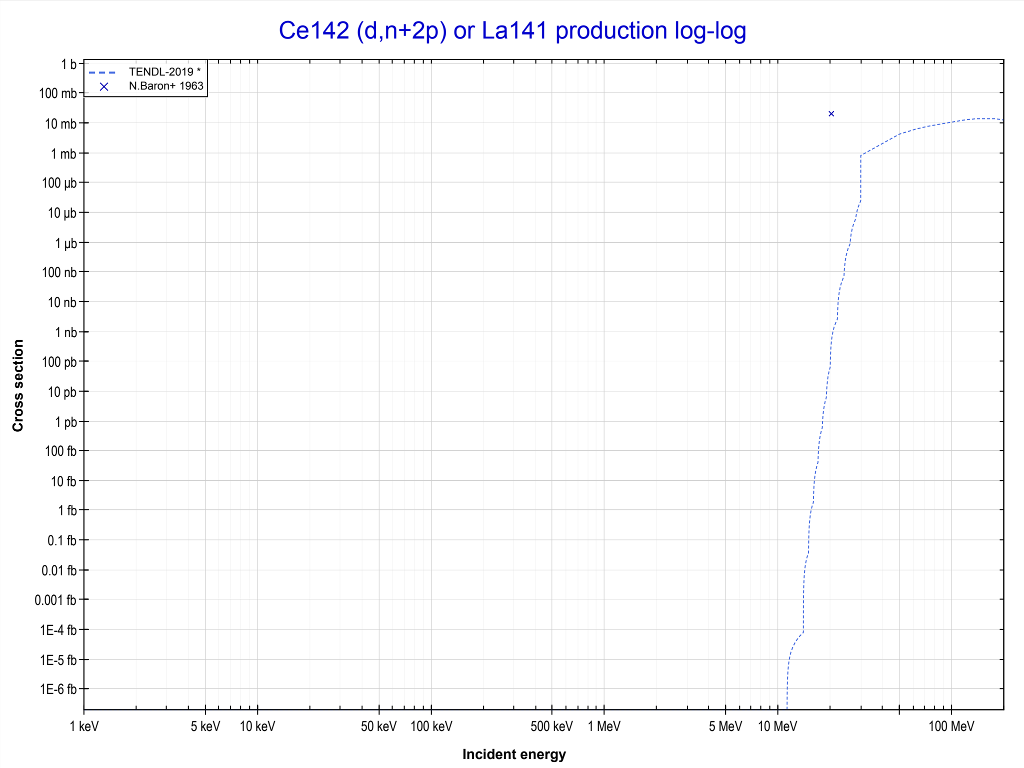
<< 55-Cs-133	**58-Ce-142**	59-Pr-141 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Pr142 production)**	MT44 (d,n+2p) >>

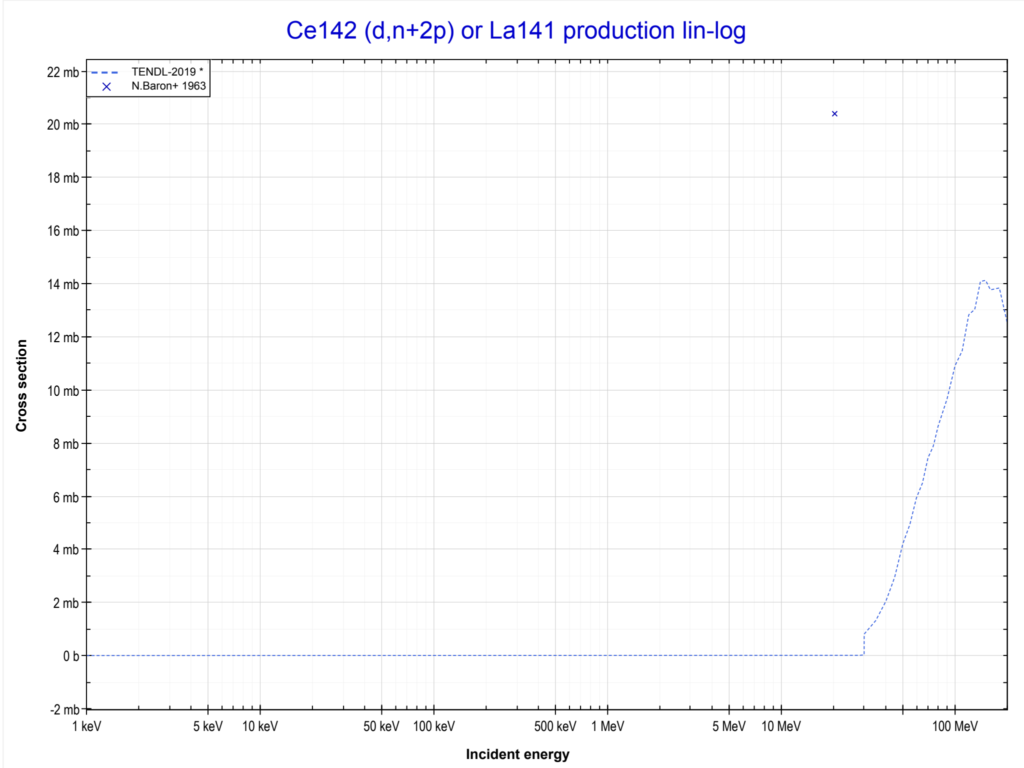




Reaction	Q-Value
Ce142(d,2n)Pr142	-3752.61 keV

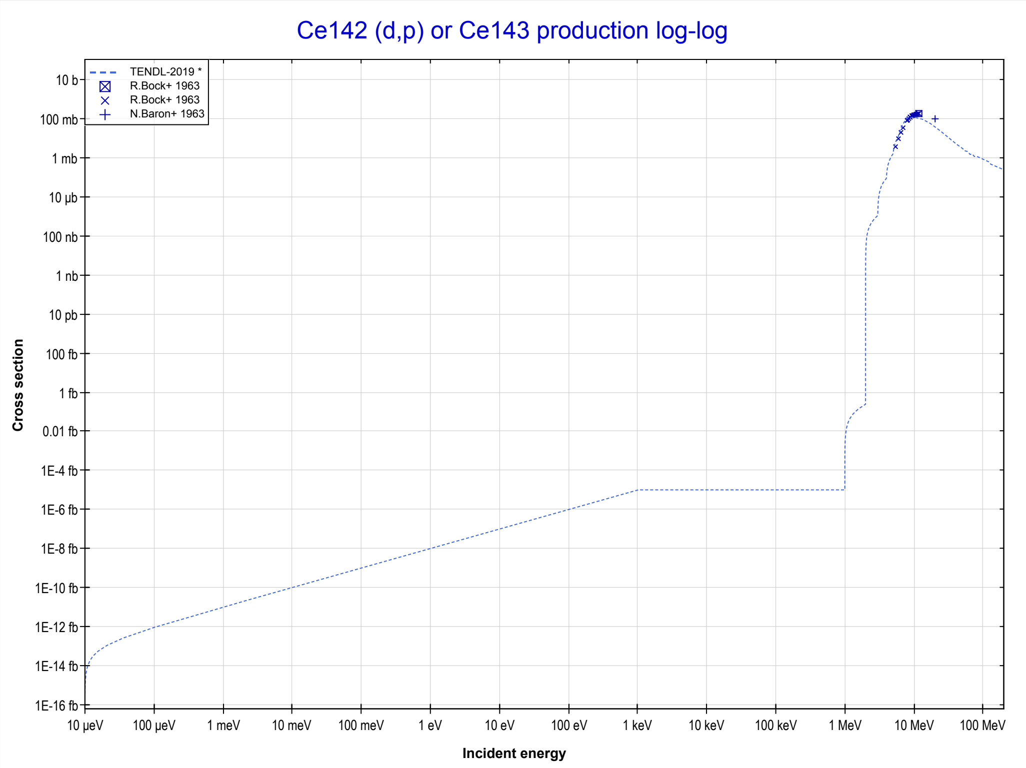
<< 48-Cd-112	**58-Ce-142**	73-Ta-181 >>
<< MT16 (d,2n)	**MT44 (d,n+2p) or MT5 (La141 production)**	MT103 (d,p) >>

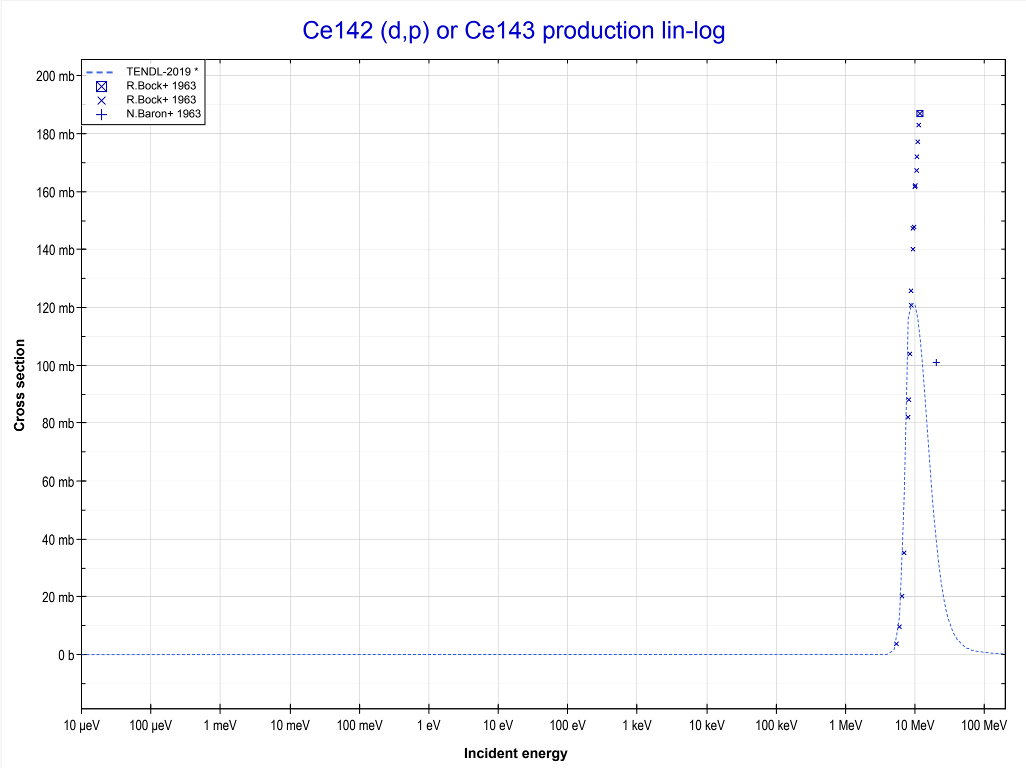




Reaction	Q-Value
Ce142(d,He3)La141	-3396.70 keV
Ce142(d,p+d)La141	-8890.17 keV
Ce142(d,n+2p)La141	-11114.74 keV

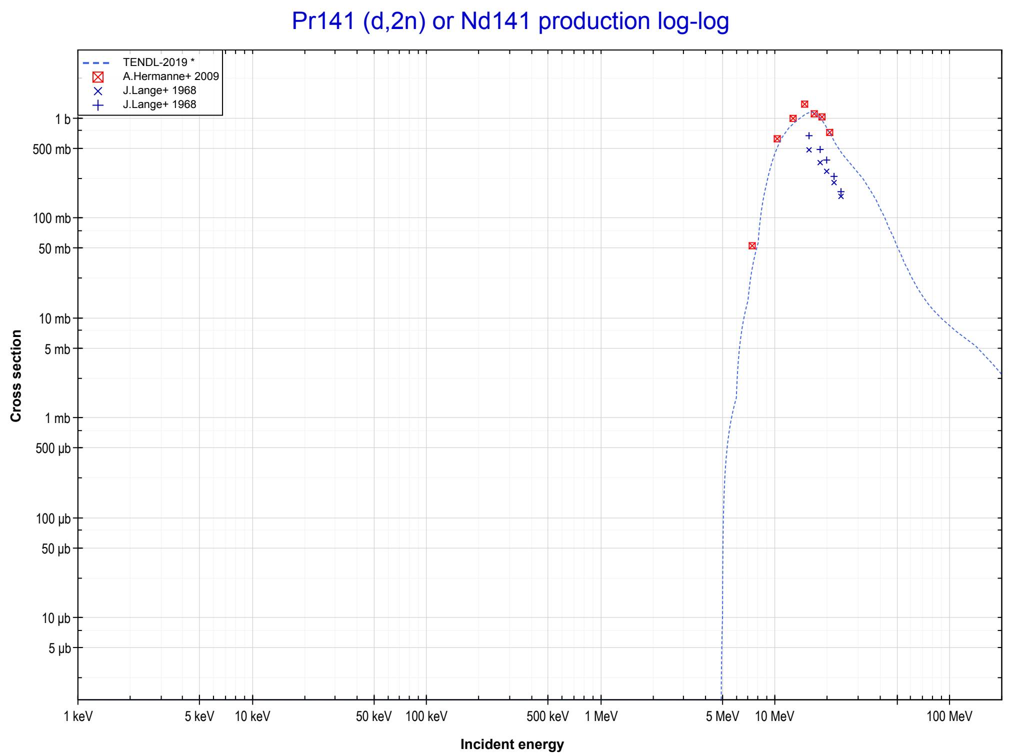
<< 57-La-139	**58-Ce-142**	59-Pr-141 >>
<< MT44 (d,n+2p)	**MT103 (d,p) or MT5 (Ce143 production)**	59-Pr-141 MT16 (d,2n) >>

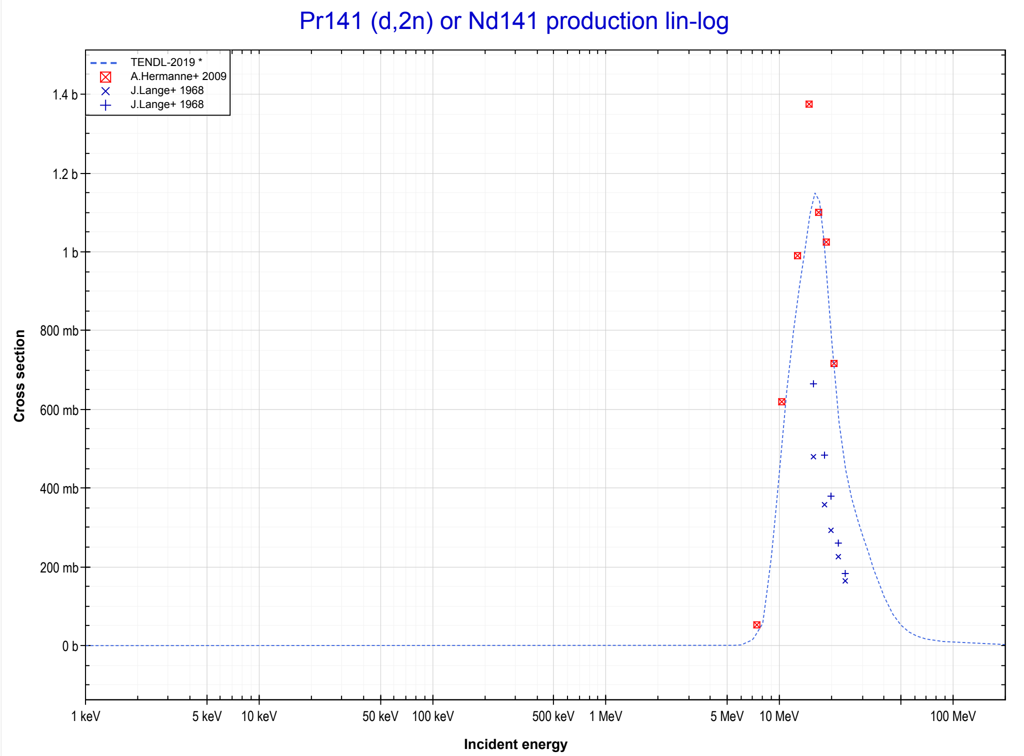




Reaction	Q-Value
Ce142(d,p)Ce143	2920.25 keV

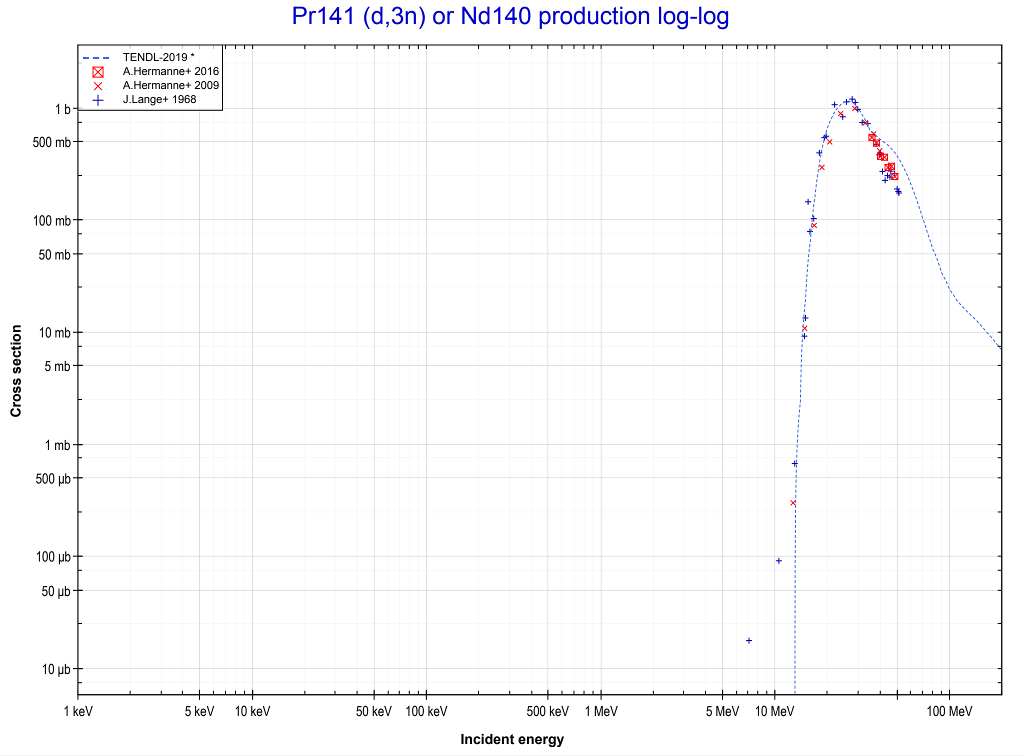
<< 58-Ce-142	**59-Pr-141**	60-Nd-148 >>
<< 58-Ce-142 MT103 (d,p)	**MT16 (d,2n) or MT5 (Nd141 production)**	MT17 (d,3n) >>

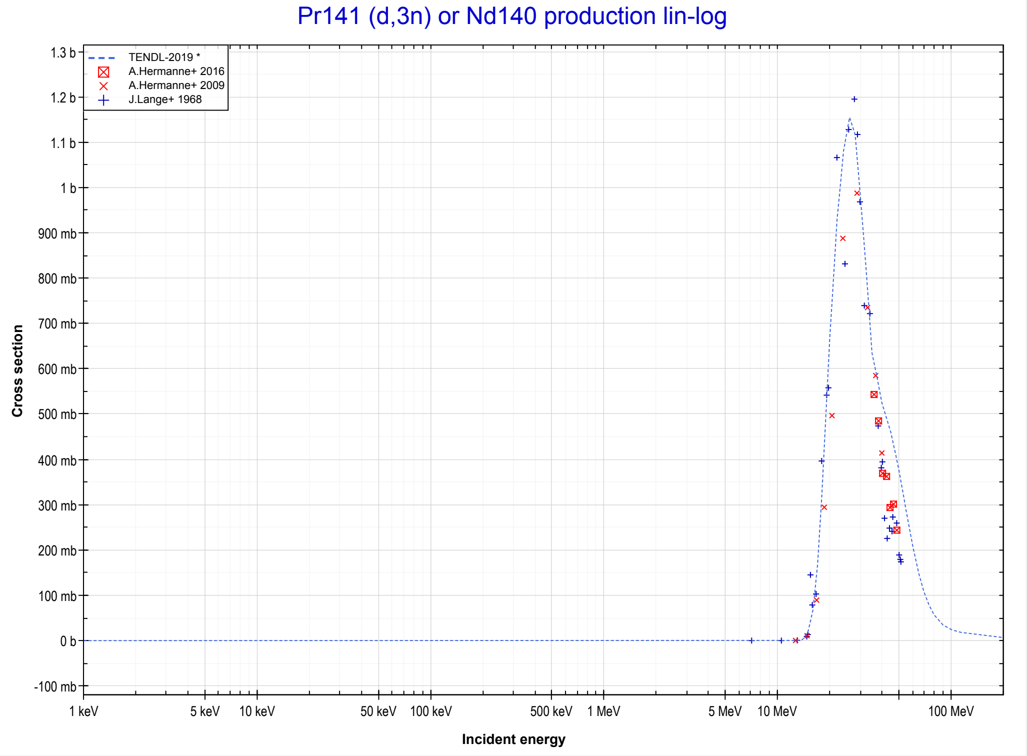




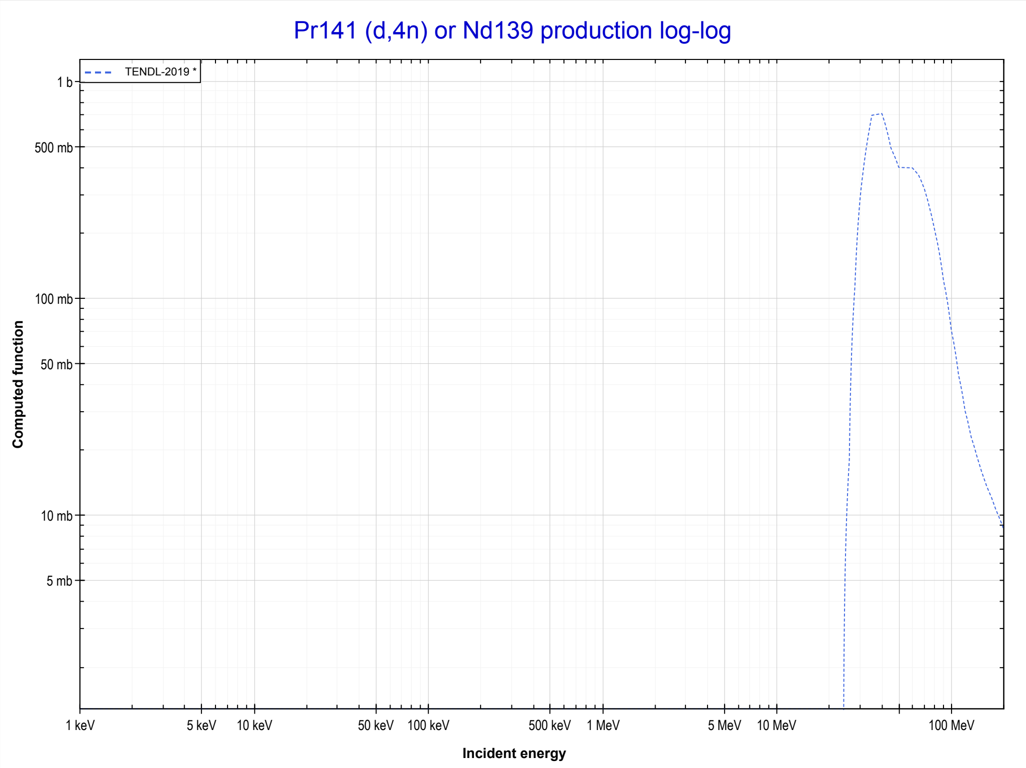
Reaction	Q-Value
Pr141(d,2n)Nd141	-4829.51 keV

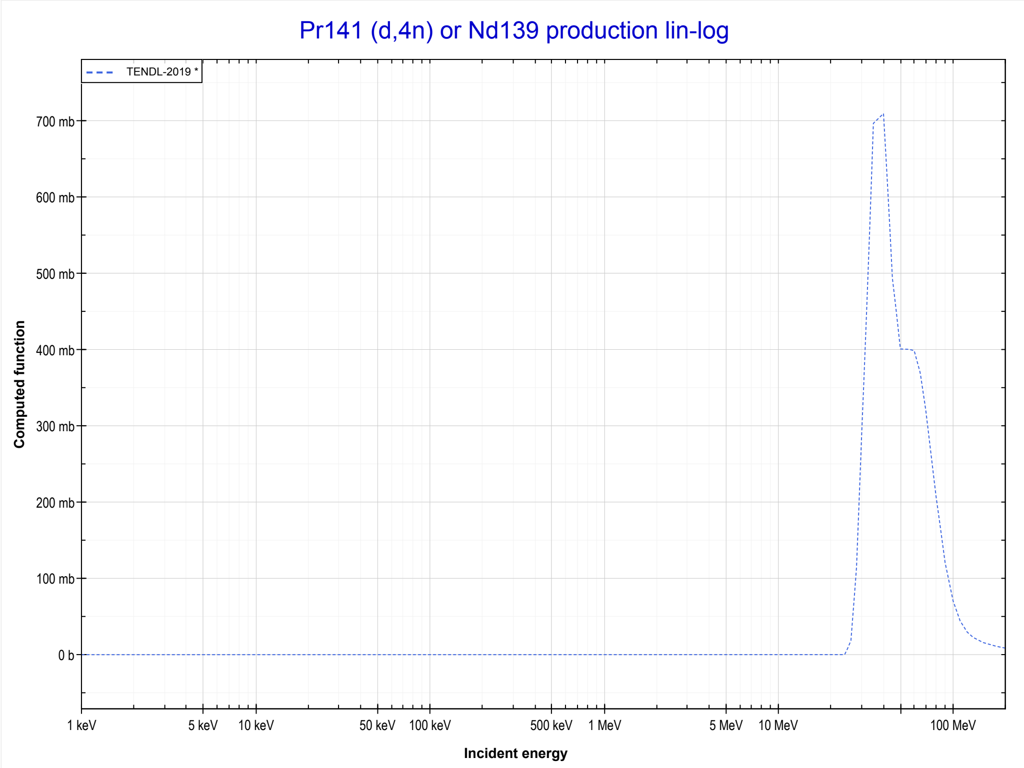
<< 53-I-127	59-Pr-141	68-Er-166 >>
<< MT16 (d,2n)	MT17 (d,3n) or MT5 (Nd140 production)	MT37 (d,4n) >>





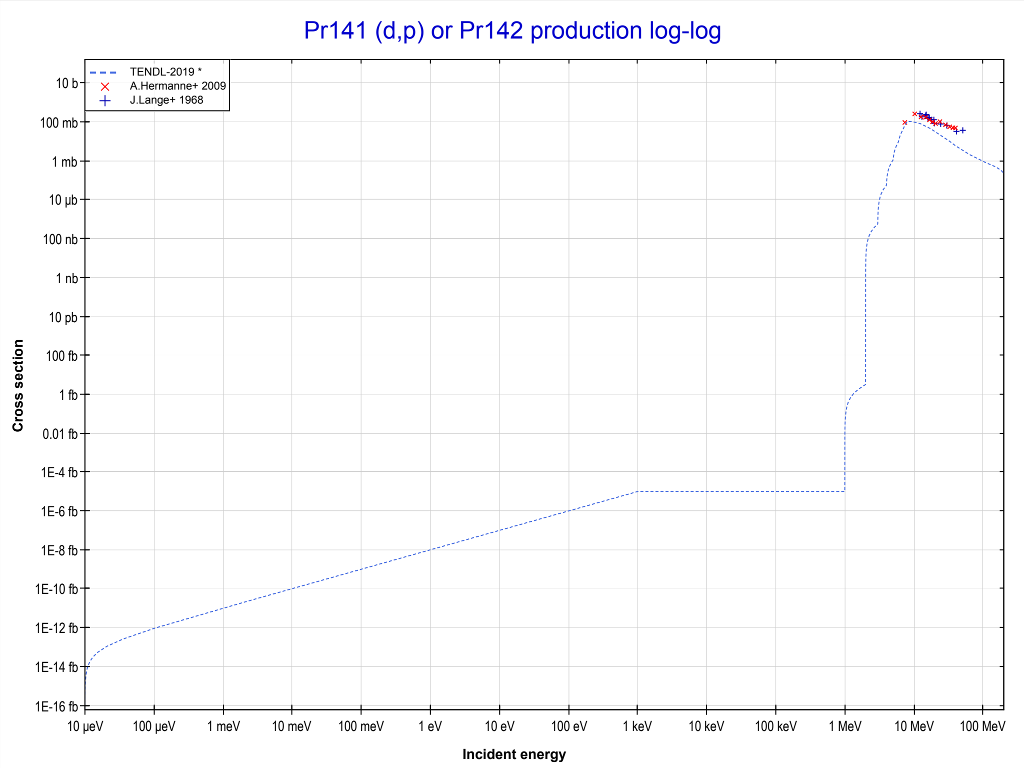
Reaction	Q-Value
Pr141(d,3n)Nd140	-12834.83 keV

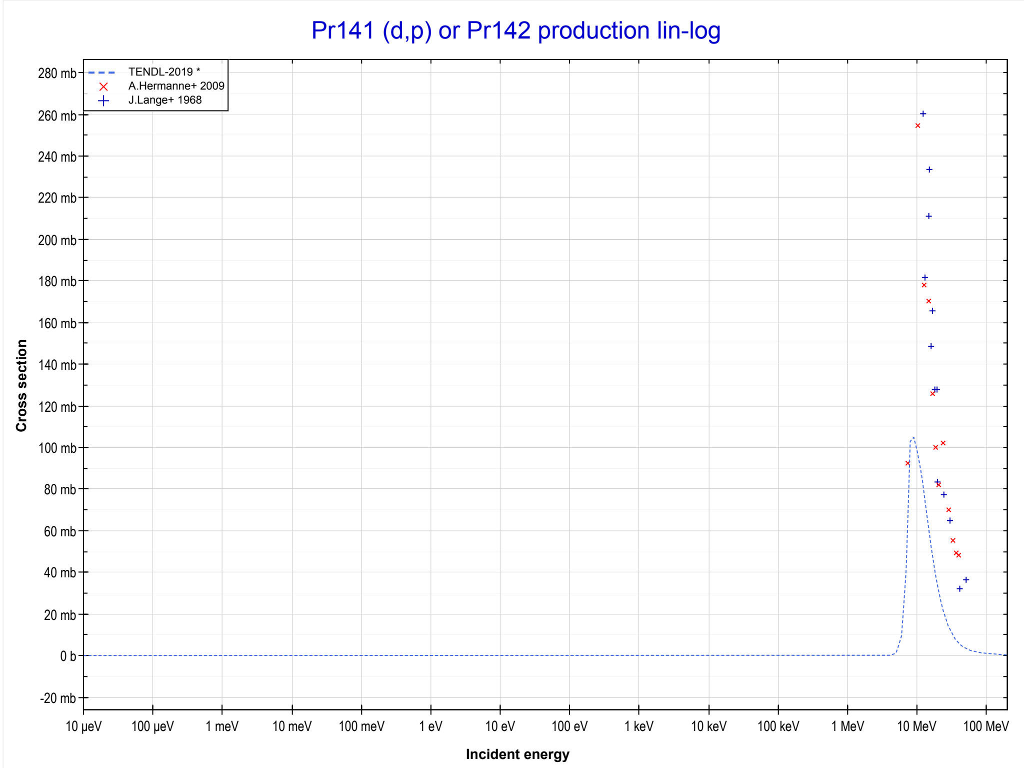




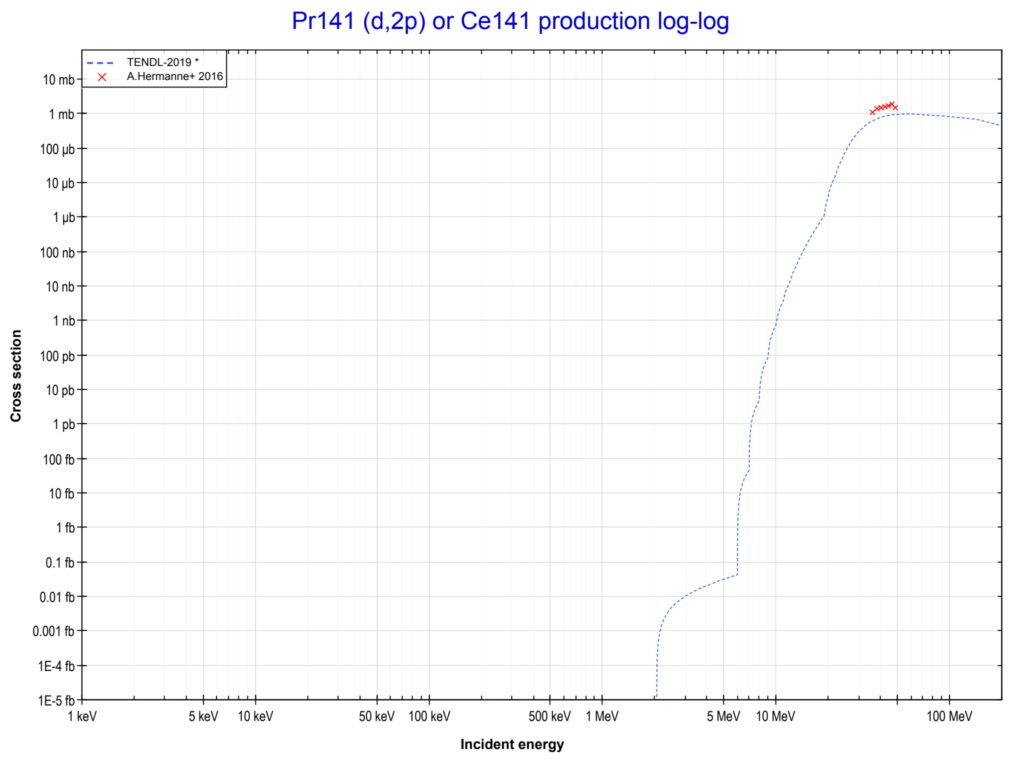
Reaction	Q-Value
Pr141(d,4n)Nd139	-23151.15 keV

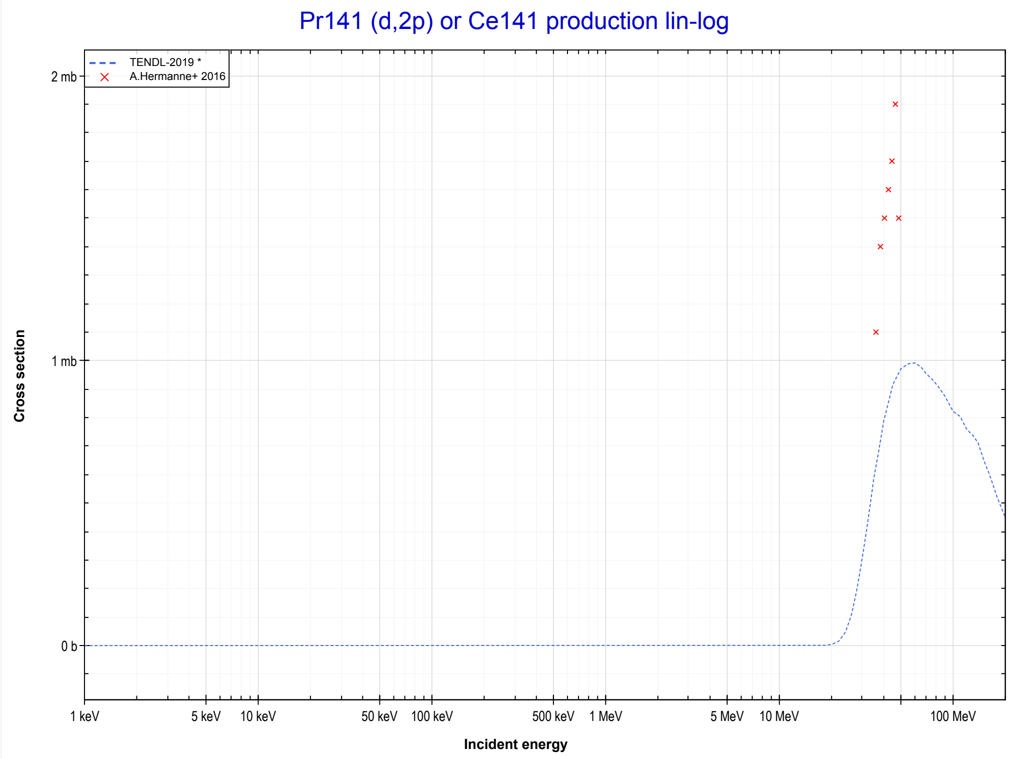
<< 58-Ce-142	**59-Pr-141**	65-Tb-159 >>
<< MT37 (d,4n)	**MT103 (d,p) or MT5 (Pr142 production)**	MT111 (d,2p) >>





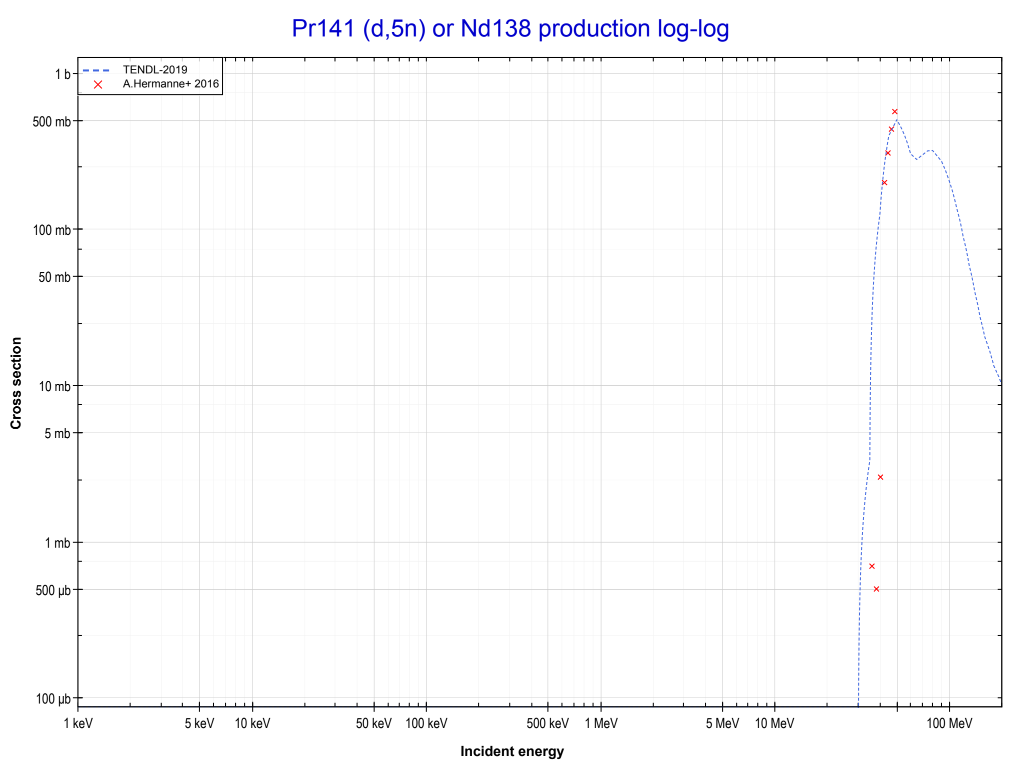
Reaction	Q-Value
Pr141(d,p)Pr142	3618.65 keV

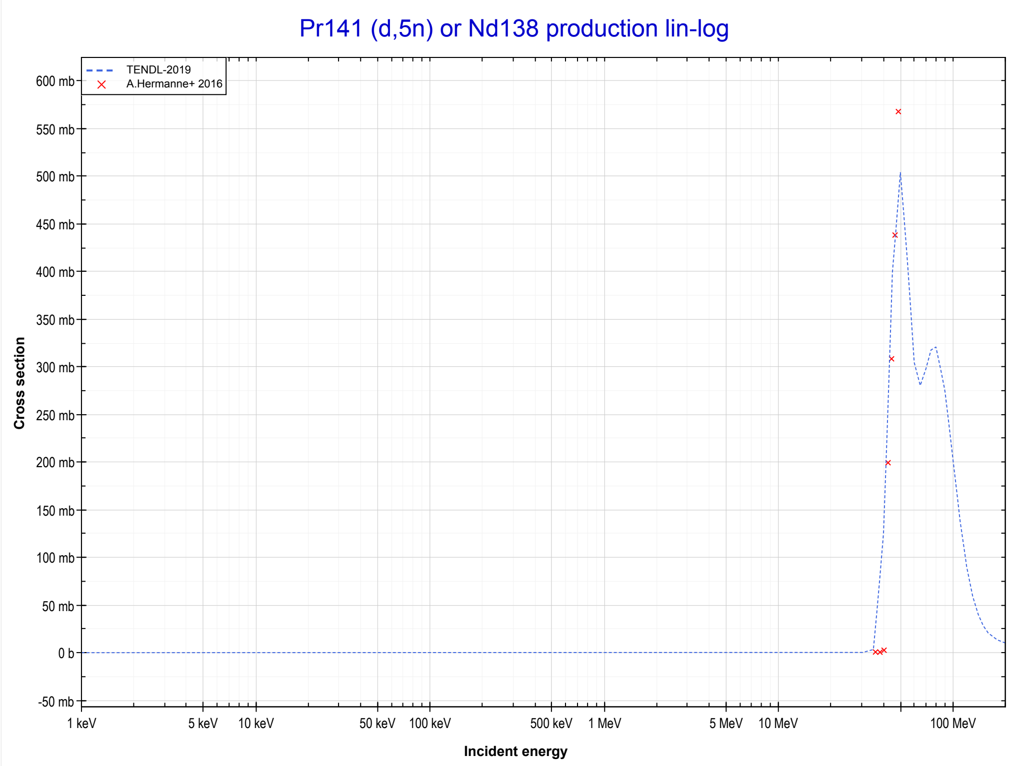




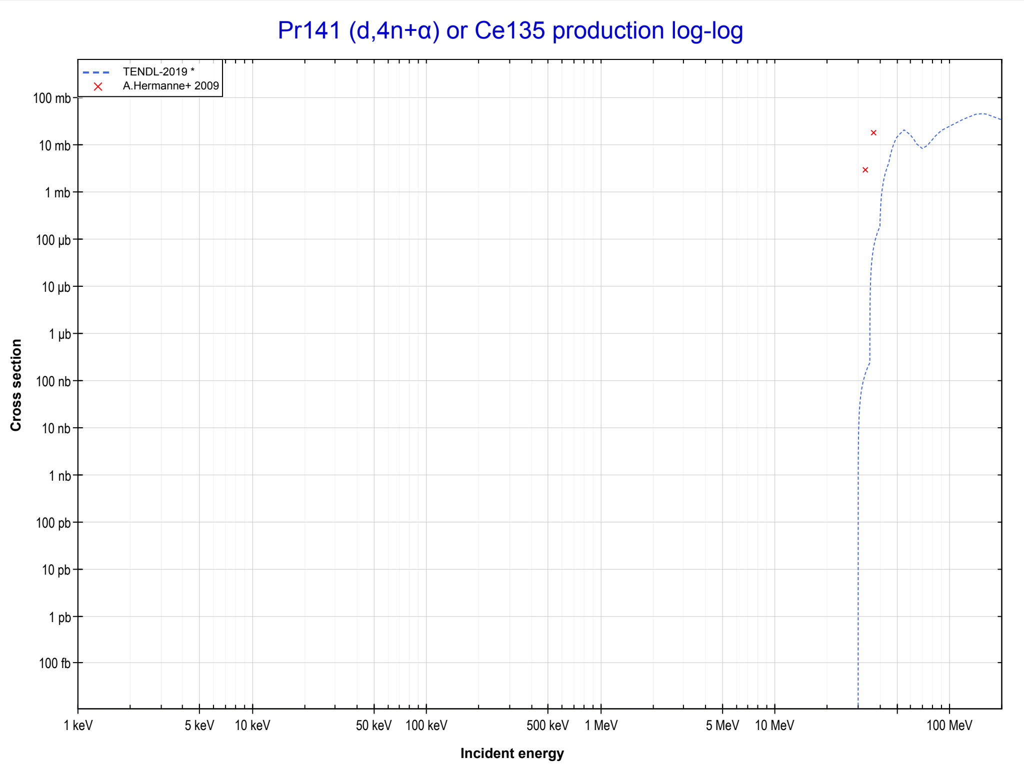
Reaction	Q-Value
Pr141(d,2p)Ce141	-2024.92 keV

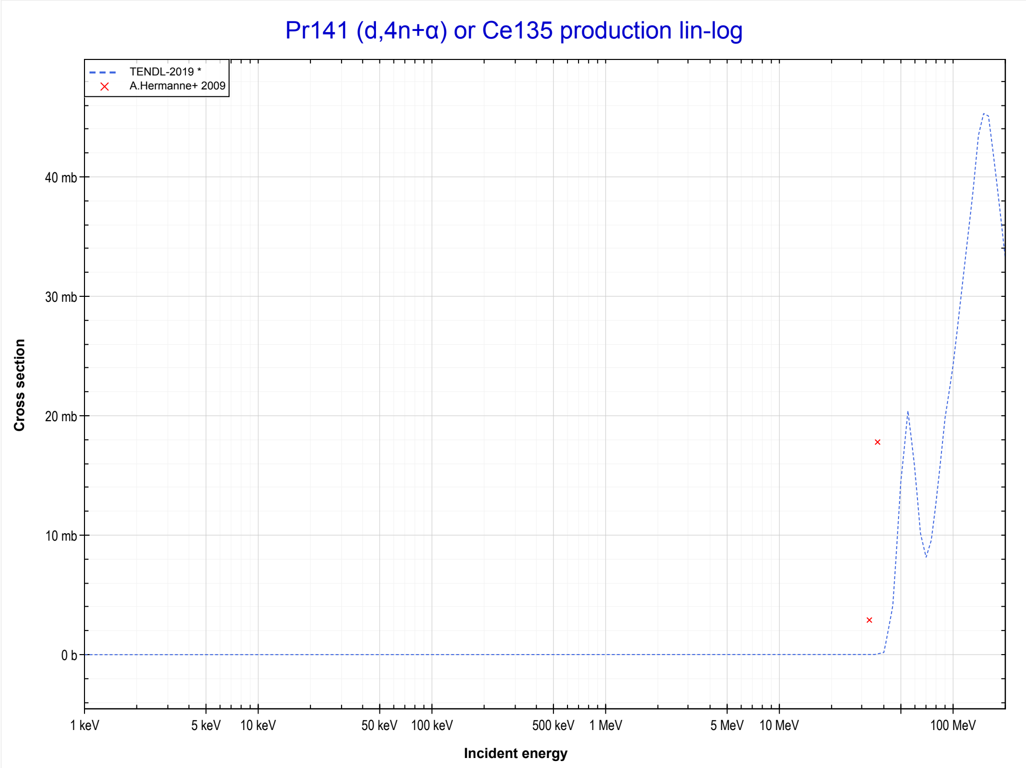
<< 48-Cd-112	59-Pr-141	69-Tm-169 >>
<< MT111 (d,2p)	**MT152 (d,5n) or MT5 (Nd138 production)**	MT165 (d,4n+α) >>





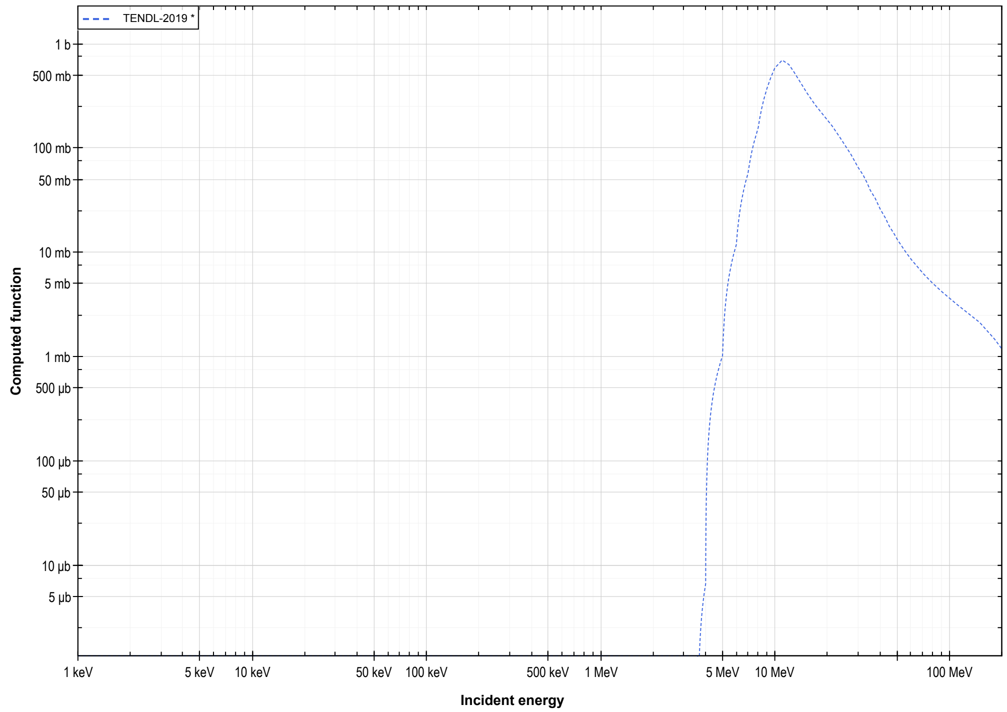
Reaction	Q-Value
Pr141(d,5n)Nd138	-31218.46 keV



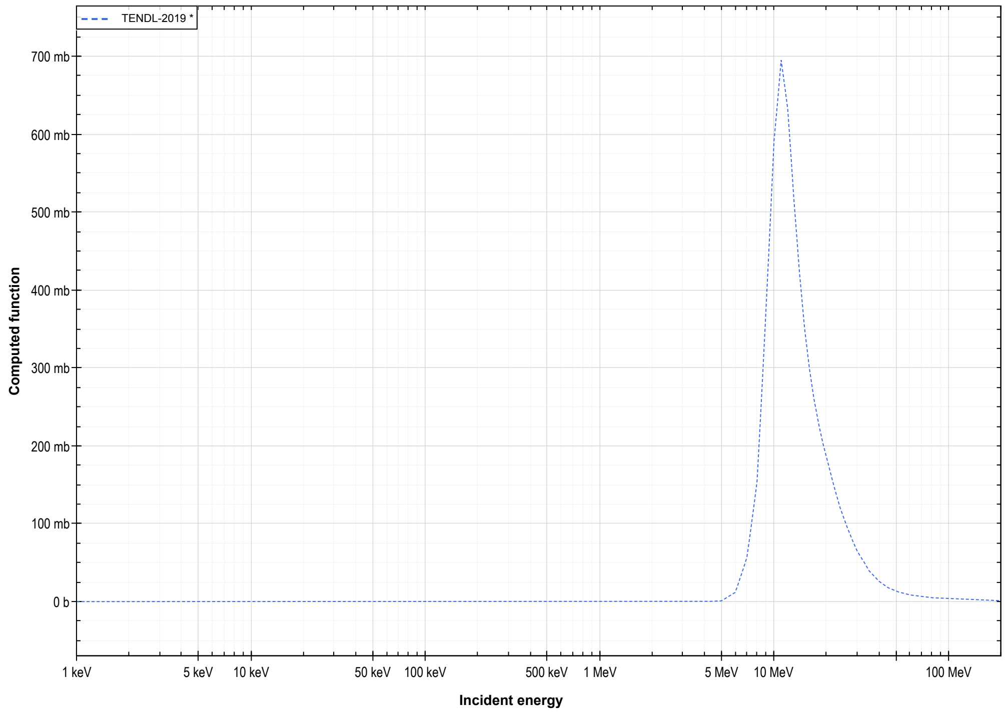


Reaction	Q-Value
Pr141(d,4n+α)Ce135	-22974.06 keV
Pr141(d,2n+2t)Ce135	-34306.13 keV
Pr141(d,3n+d+t)Ce135	-40563.36 keV
Pr141(d,4n+p+t)Ce135	-42787.93 keV
Pr141(d,5n+He3)Ce135	-43551.68 keV
Pr141(d,4n+2d)Ce135	-46820.59 keV
Pr141(d,5n+p+d)Ce135	-49045.16 keV
Pr141(d,6n+2p)Ce135	-51269.72 keV

Nd148 (d,2n) or Pm148 production log-log

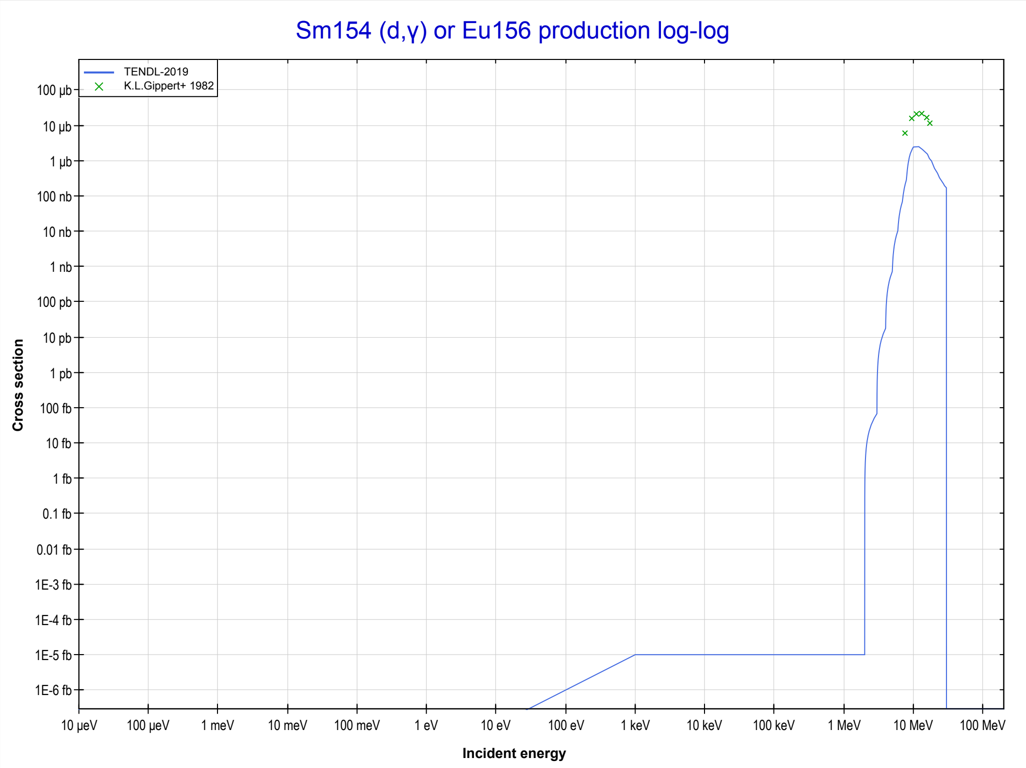


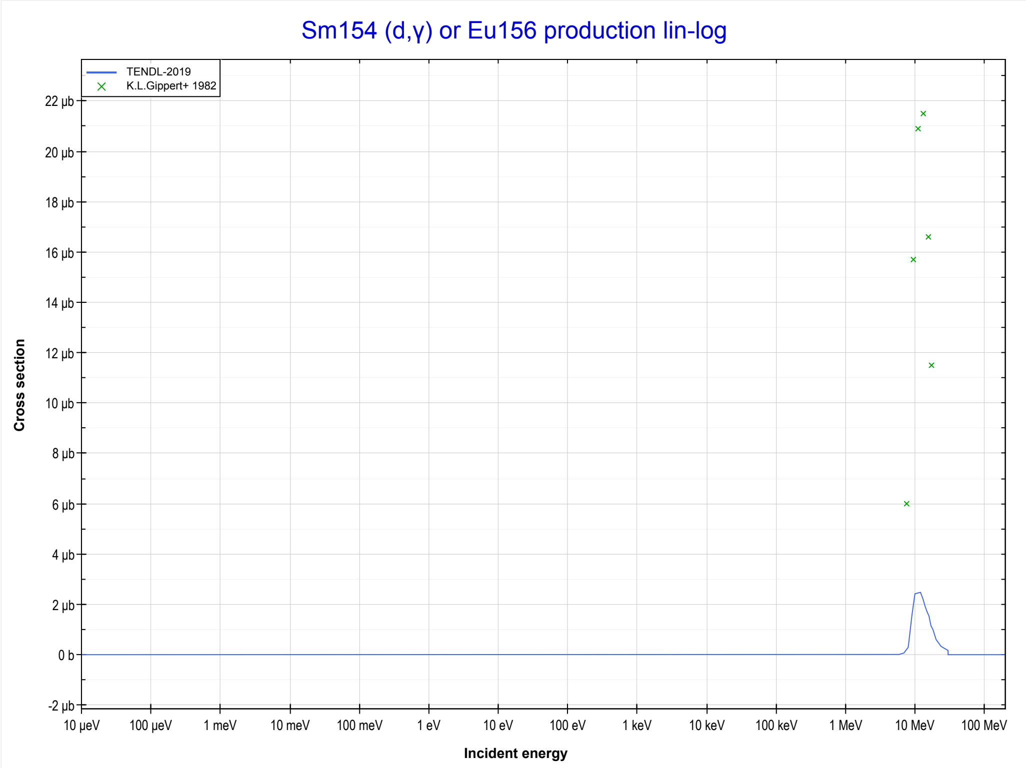
Nd148 (d,2n) or Pm148 production lin-log



Reaction	Q-Value
Nd148(d,2n)Pm148	-3548.91 keV

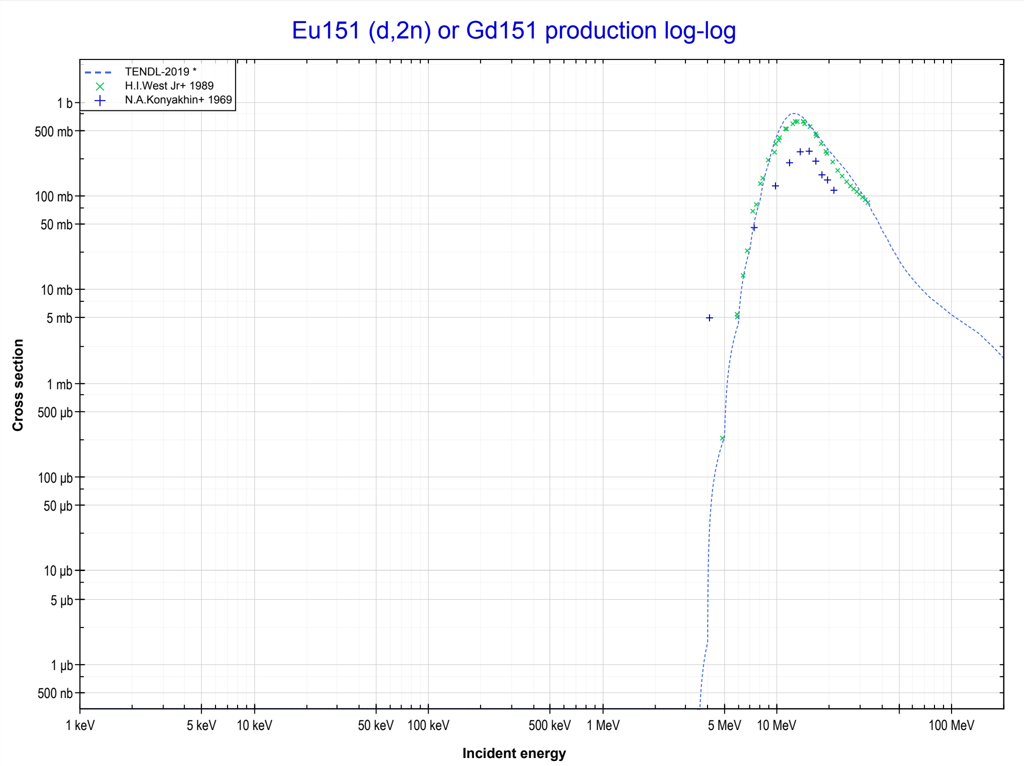
<< 57-La-139	**62-Sm-154**	79-Au-197 >>
<< 60-Nd-148 MT16 (d,2n)	**MT102 (d,γ) or MT5 (Eu156 production)**	63-Eu-151 MT16 (d,2n) >>

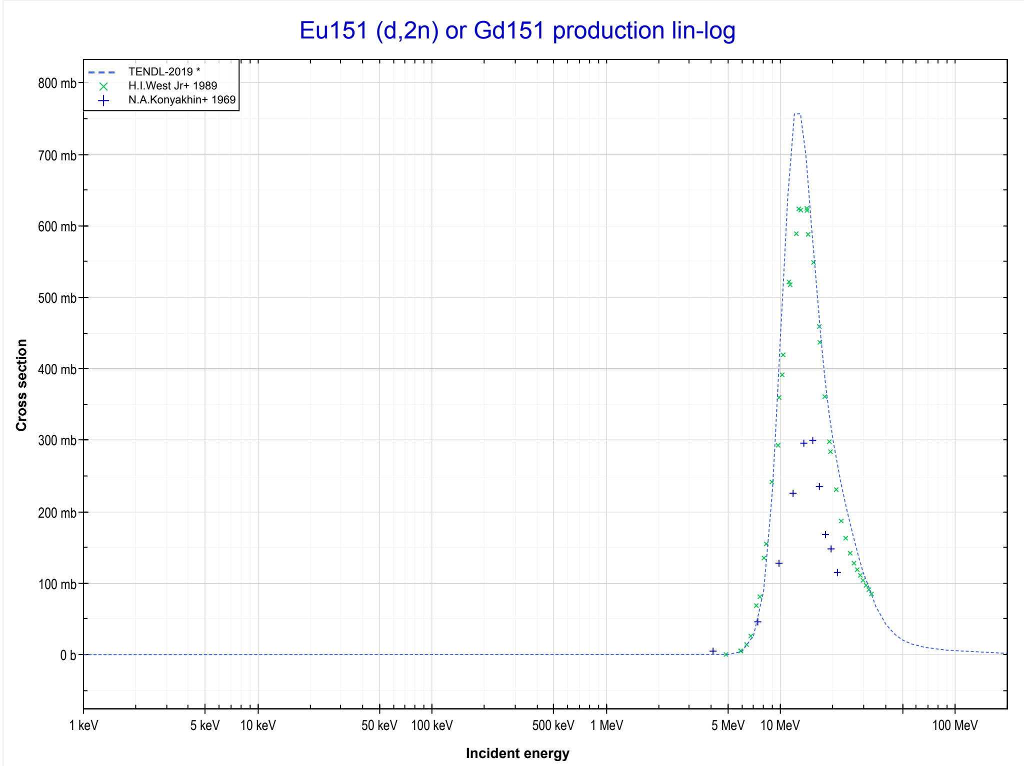




Reaction	Q-Value
Sm154(d,γ)Eu156	10763.52 keV

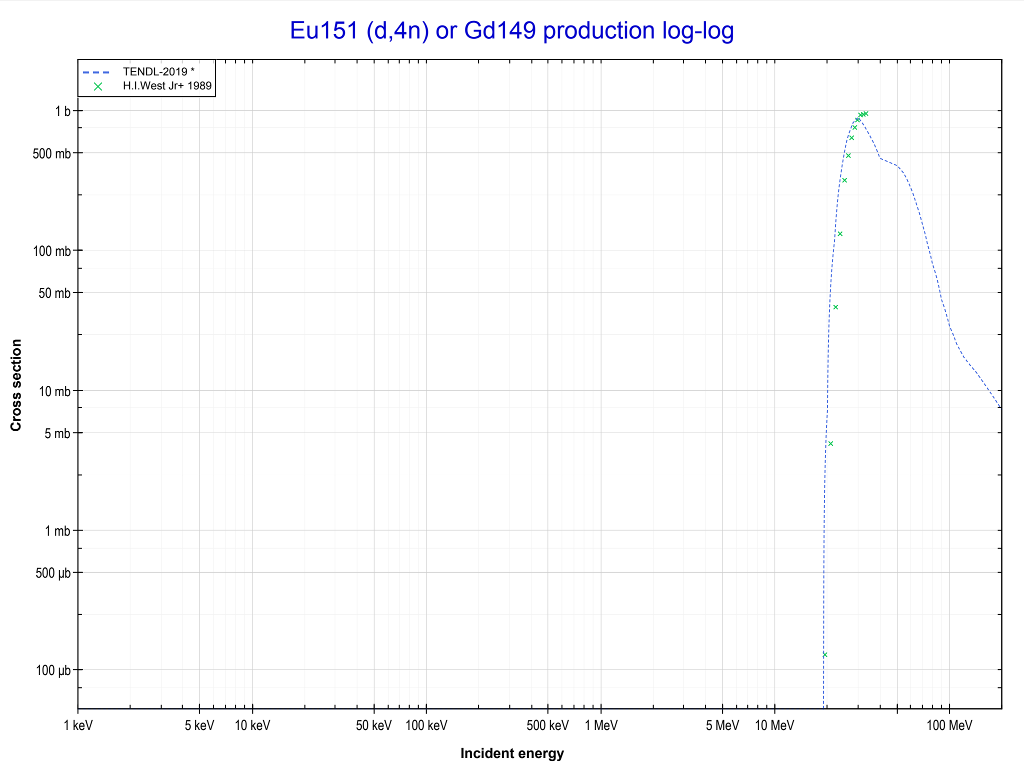
<< 60-Nd-148	**63-Eu-151**	63-Eu-153 >>
<< 62-Sm-154 MT102 (d,γ)	**MT16 (d,2n) or MT5 (Gd151 production)**	MT37 (d,4n) >>

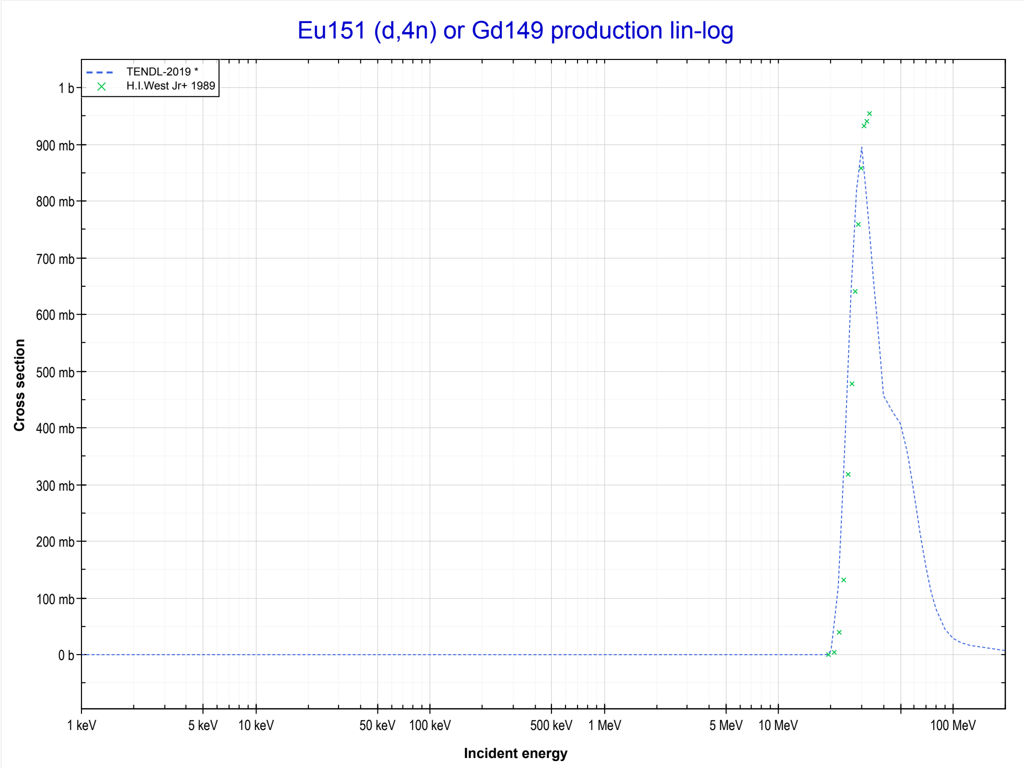




Reaction	Q-Value
Eu151(d,2n)Gd151	-3470.81 keV

<< 59-Pr-141	**63-Eu-151**	63-Eu-153 >>
<< MT16 (d,2n)	**MT37 (d,4n) or MT5 (Gd149 production)**	63-Eu-153 MT16 (d,2n) >>

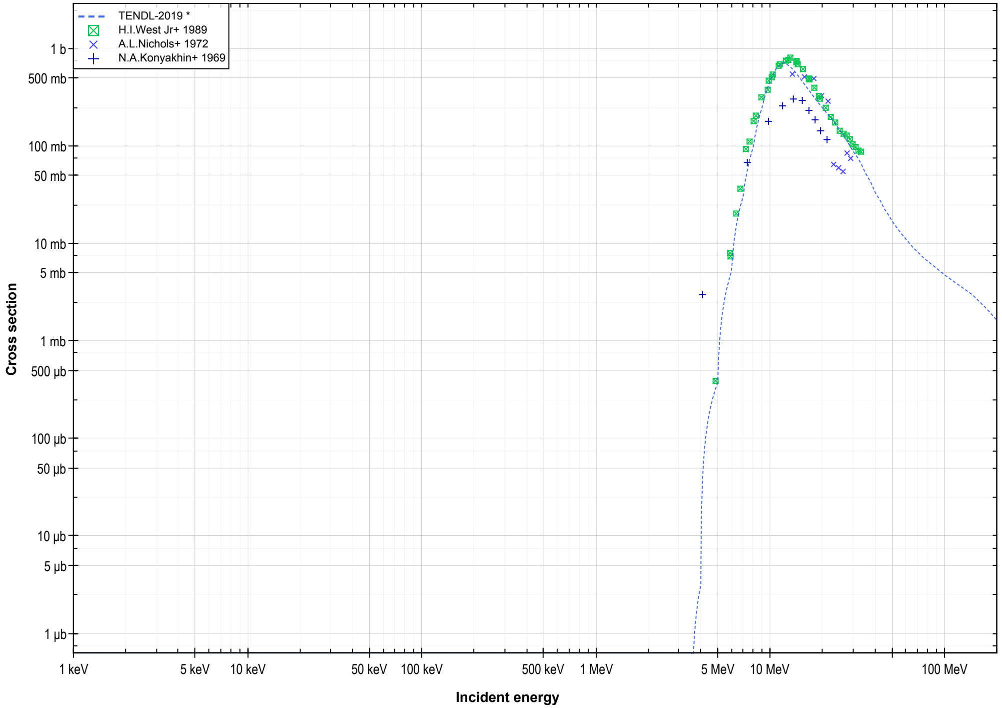




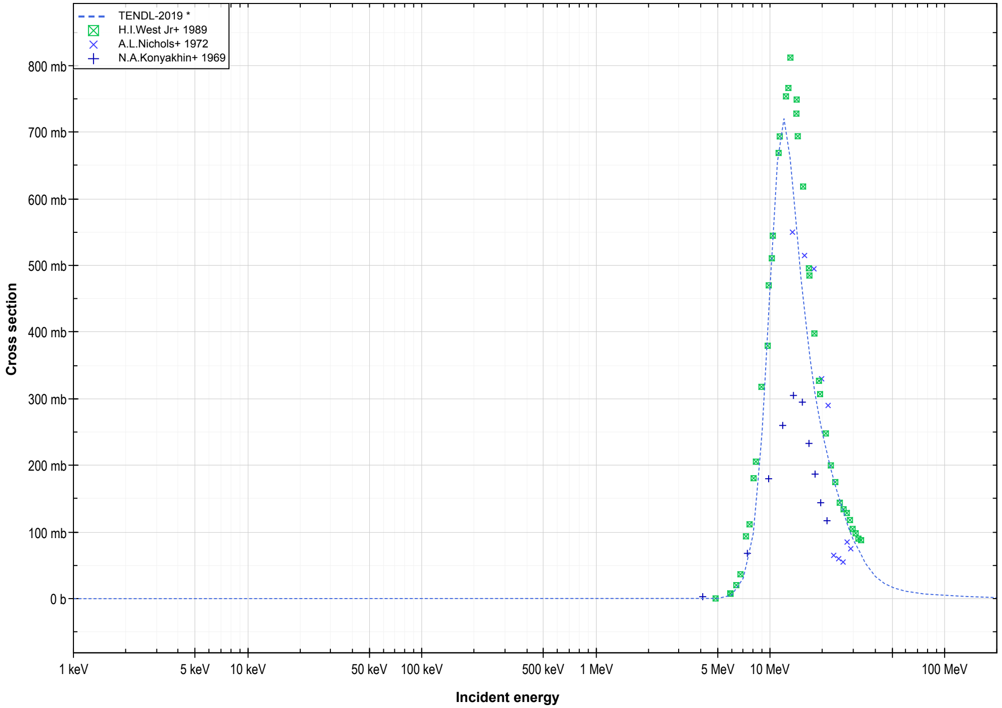
Reaction	Q-Value
Eu151(d,4n)Gd149	-18675.45 keV

<< 63-Eu-151	**63-Eu-153**	64-Gd-160 >>
<< 63-Eu-151 MT37 (d,4n)	**MT16 (d,2n) or MT5 (Gd153 production)**	MT37 (d,4n) >>

Eu153 (d,2n) or Gd153 production log-log

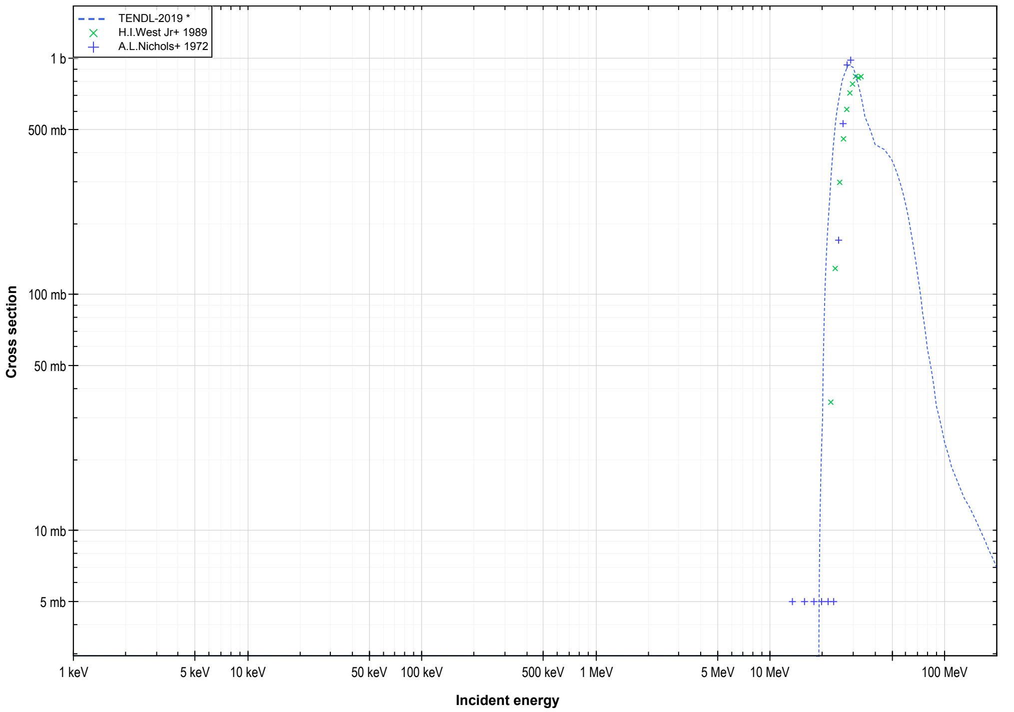


Eu153 (d,2n) or Gd153 production lin-log

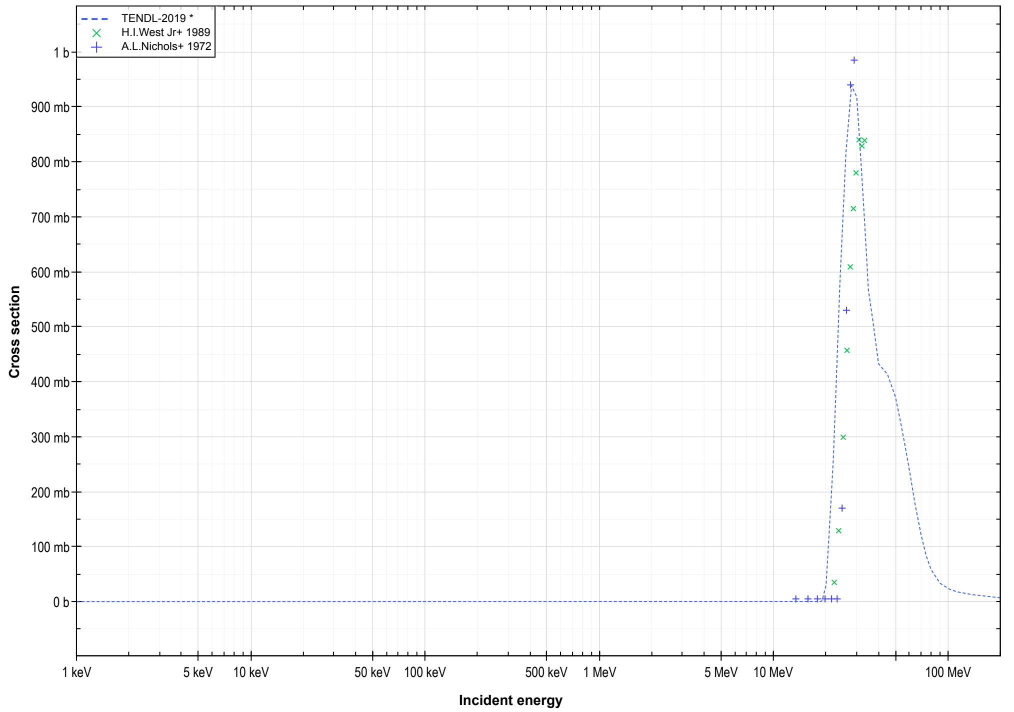


Reaction	Q-Value
Eu153(d,2n)Gd153	-3491.51 keV

Eu153 (d,4n) or Gd151 production log-log

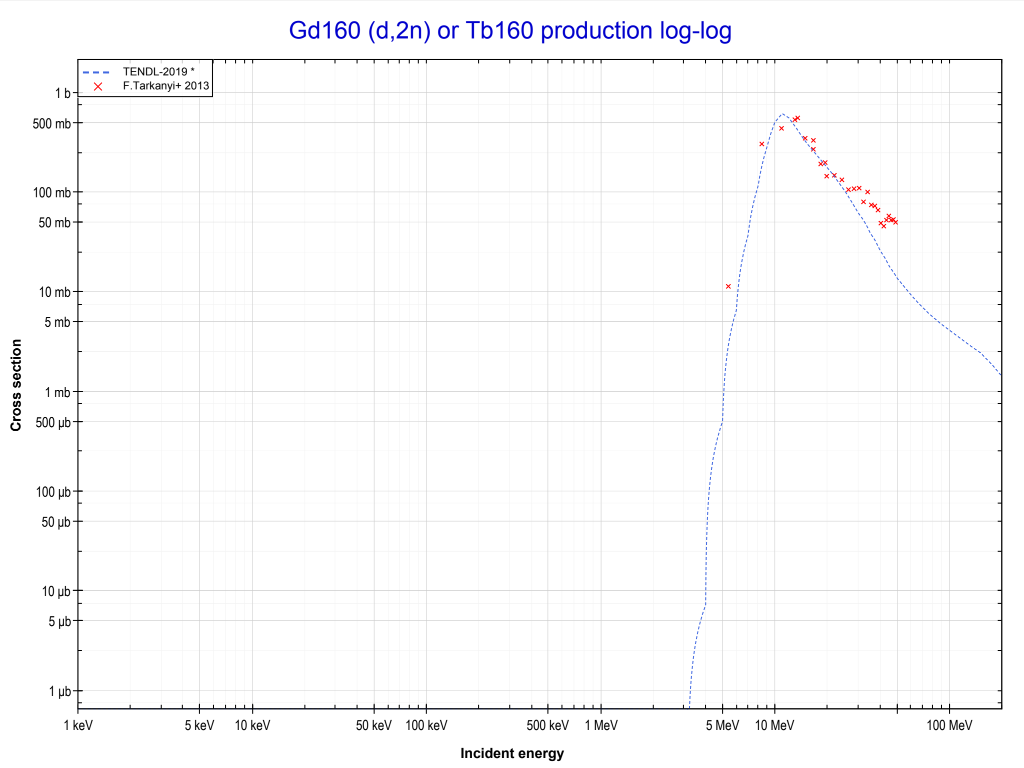


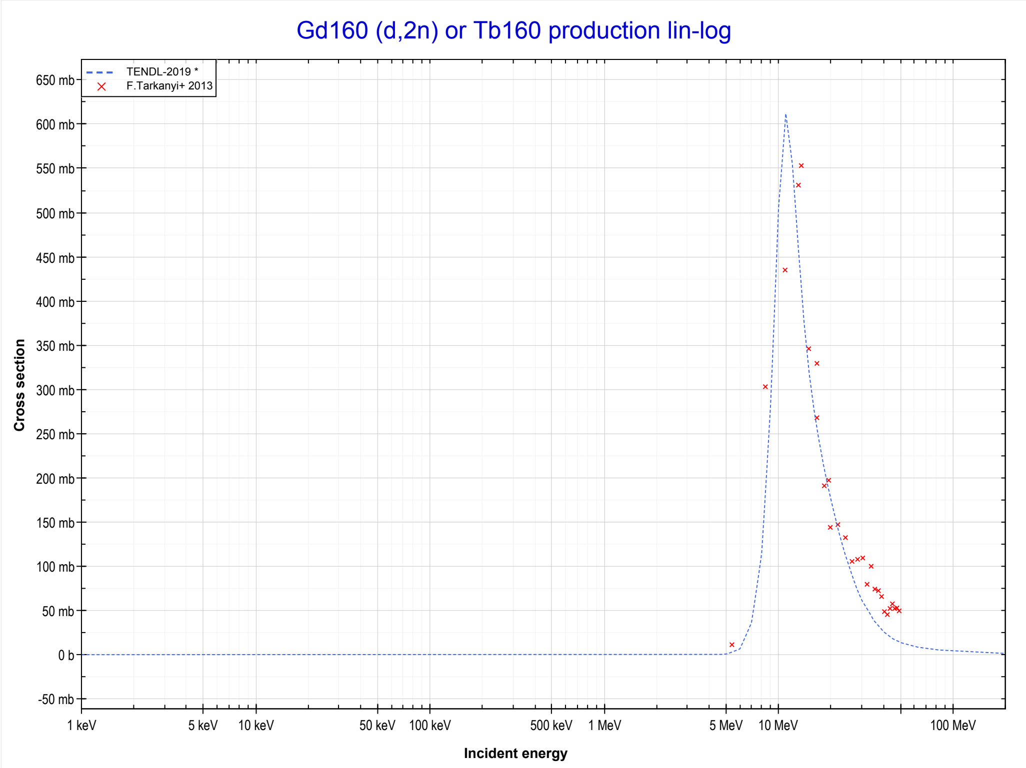
Eu153 (d,4n) or Gd151 production lin-log



Reaction	Q-Value
Eu153(d,4n)Gd151	-18327.75 keV

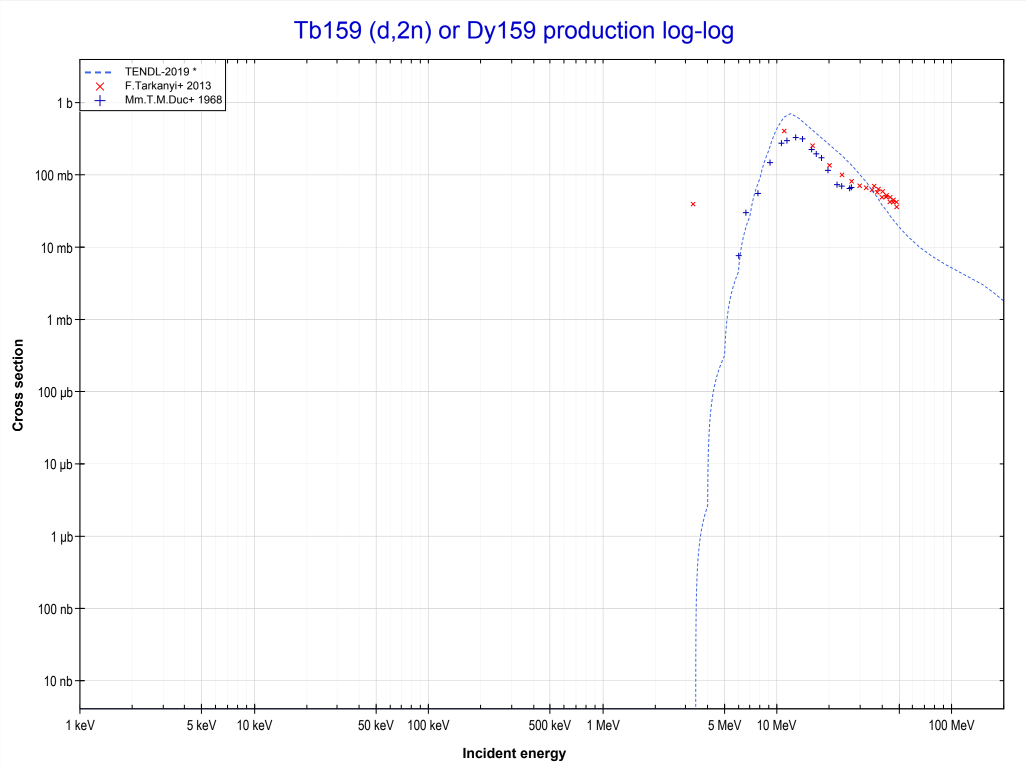
<< 63-Eu-153	**64-Gd-160**	65-Tb-159 >>
<< 63-Eu-153 MT37 (d,4n)	**MT16 (d,2n) or MT5 (Tb160 production)**	65-Tb-159 MT16 (d,2n) >>

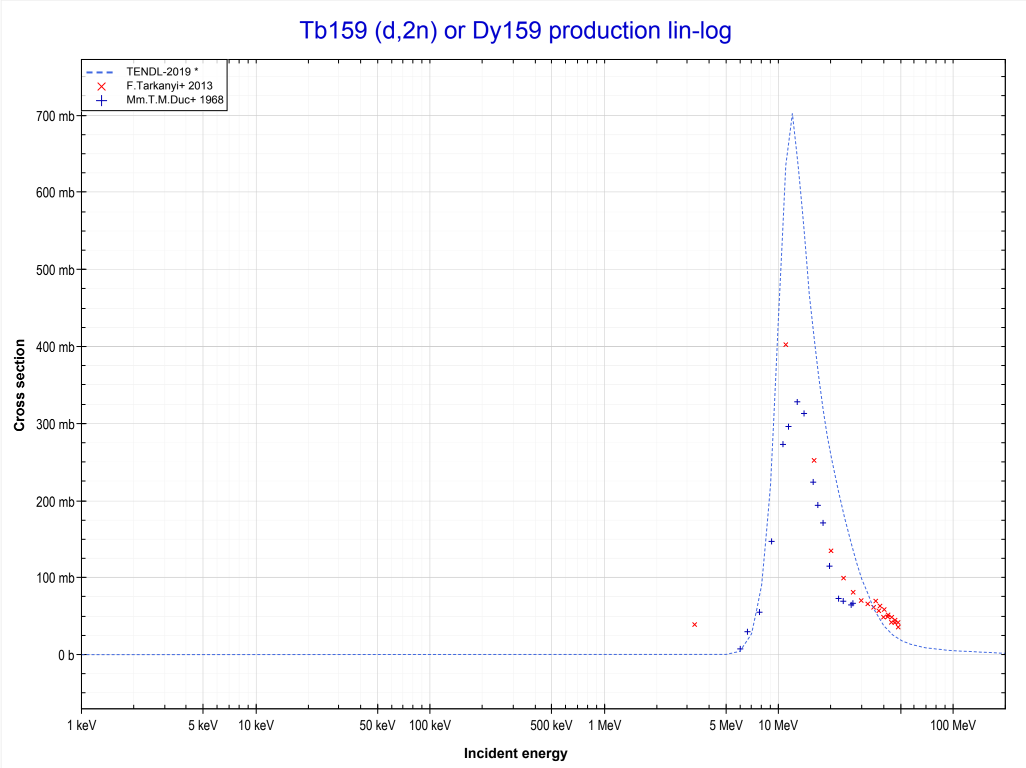




Reaction	Q-Value
Gd160(d,2n)Tb160	-3112.31 keV

<< 64-Gd-160	**65-Tb-159**	67-Ho-165 >>
<< 64-Gd-160 MT16 (d,2n)	**MT16 (d,2n) or MT5 (Dy159 production)**	MT37 (d,4n) >>

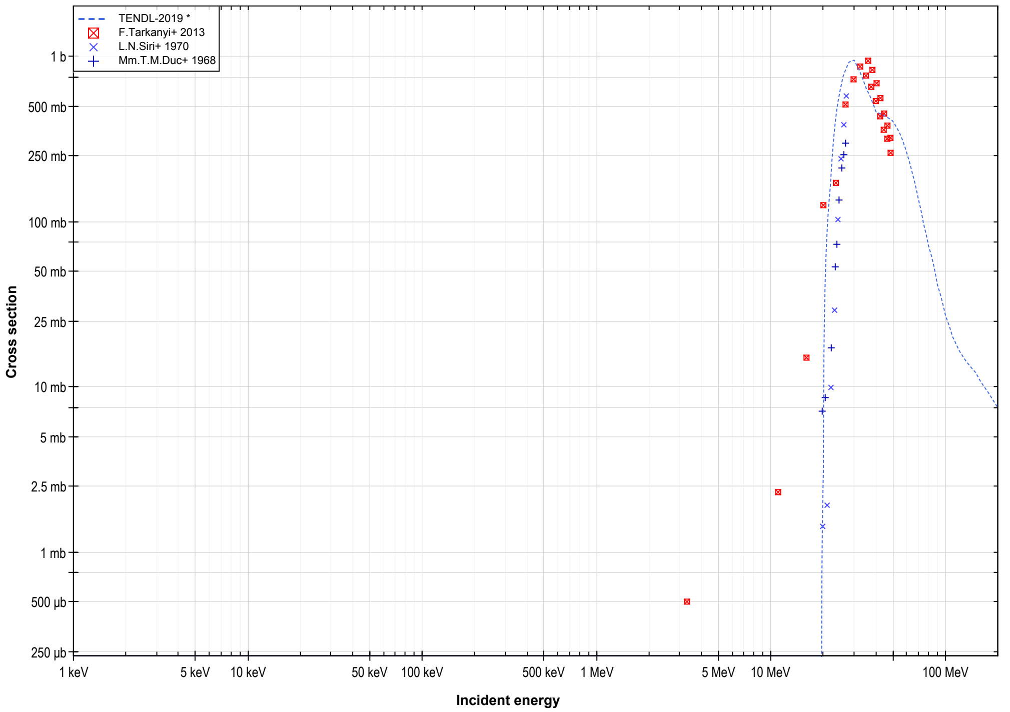




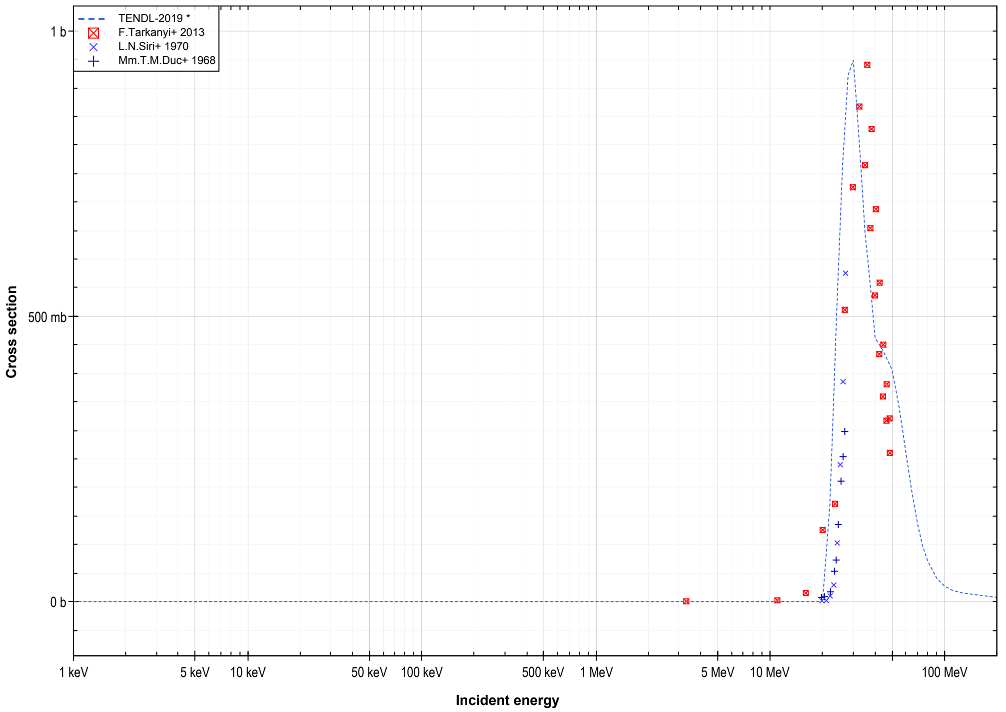
Reaction	Q-Value
Tb159(d,2n)Dy159	-3372.21 keV

<< 63-Eu-153	**65-Tb-159**	79-Au-197 >>
<< MT16 (d,2n)	**MT37 (d,4n) or MT5 (Dy157 production)**	MT103 (d,p) >>

Tb159 (d,4n) or Dy157 production log-log

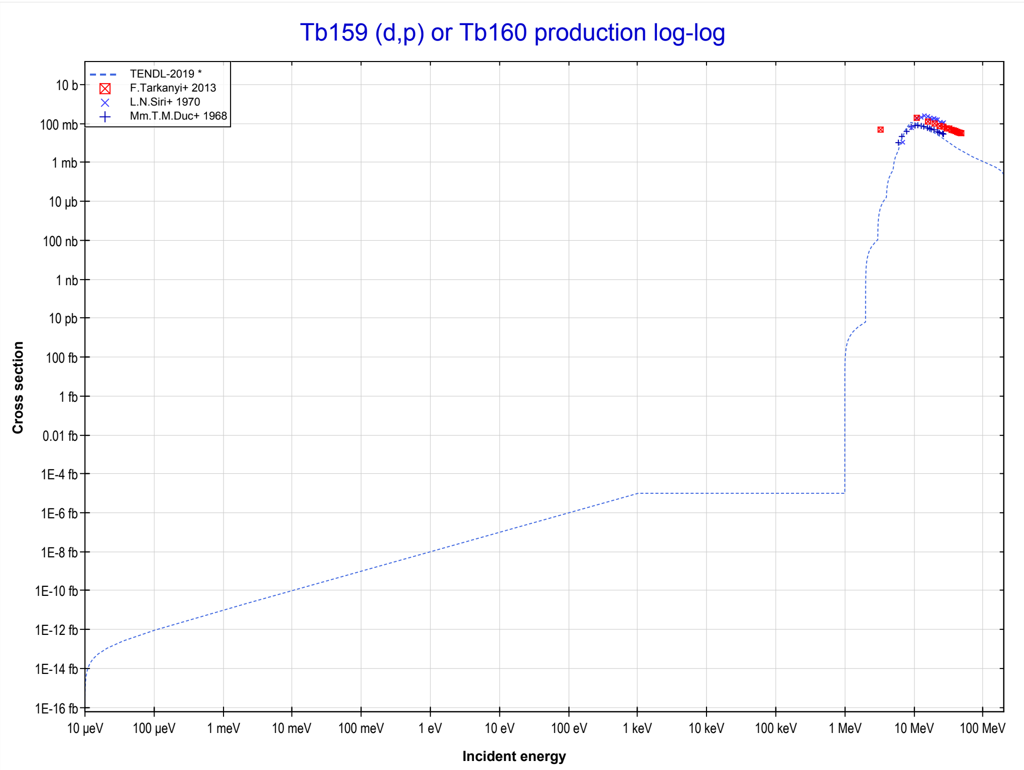


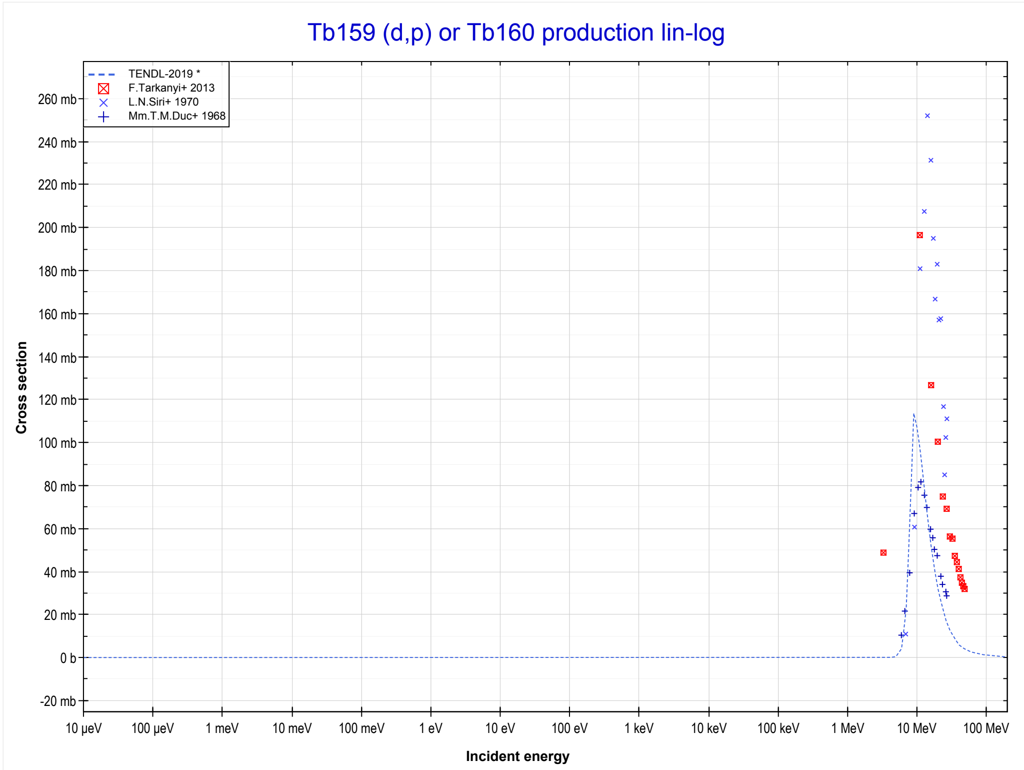
Tb159 (d,4n) or Dy157 production lin-log



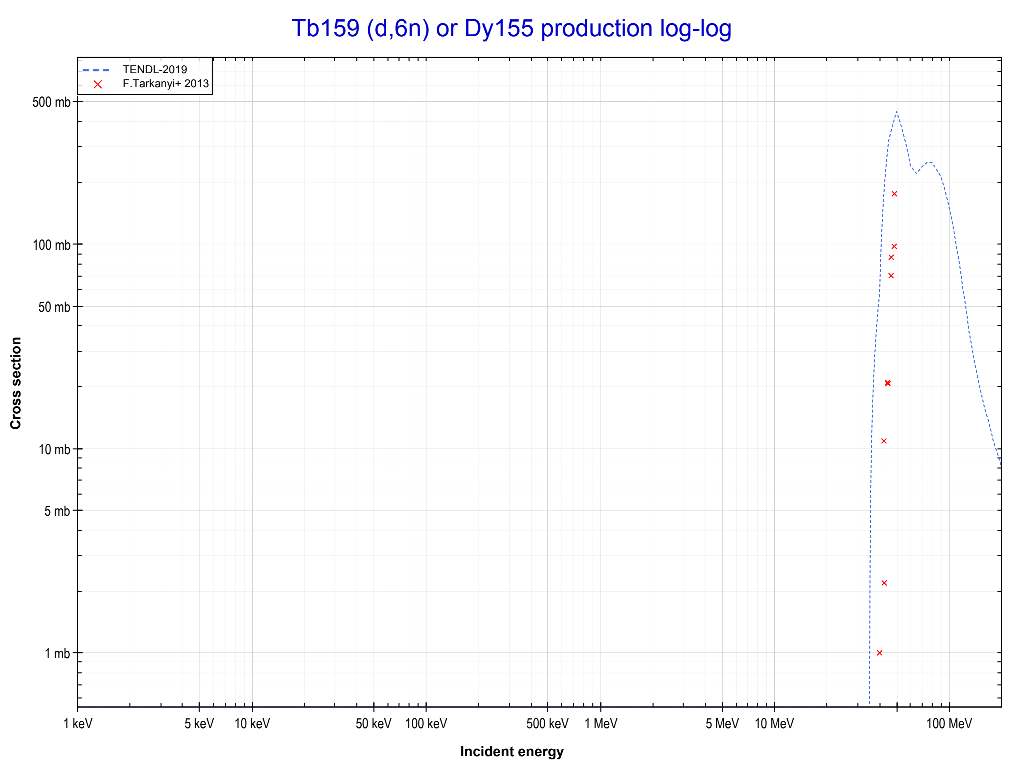
Reaction	Q-Value
Tb159(d,4n)Dy157	-19256.95 keV

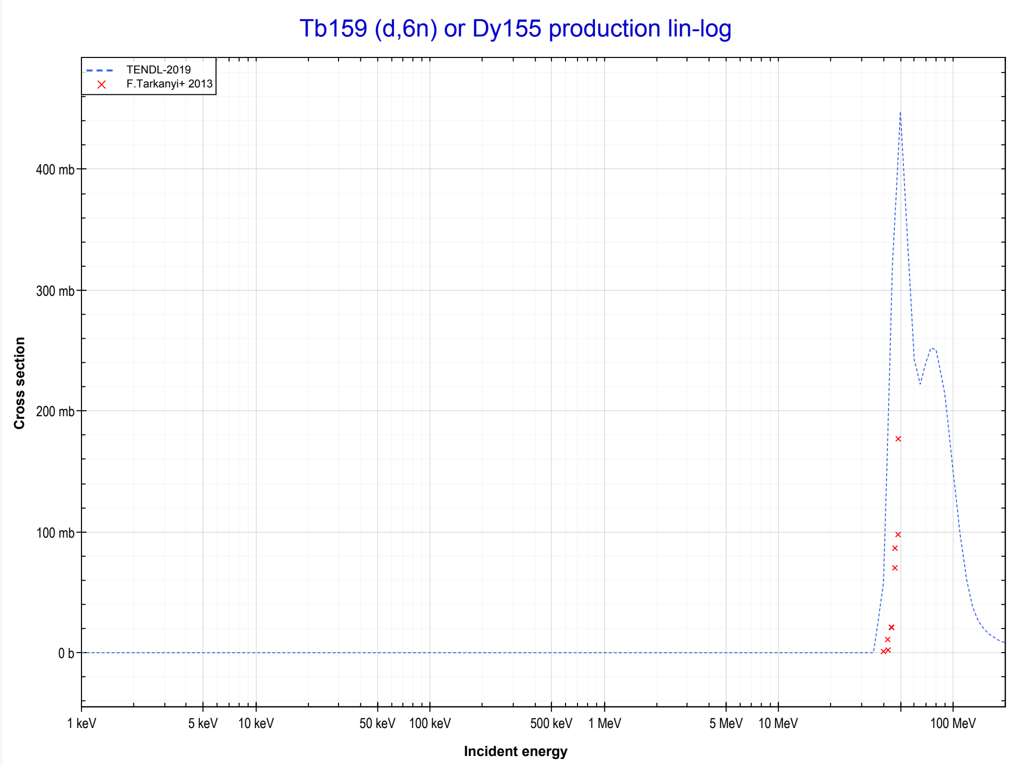
<< 59-Pr-141	**65-Tb-159**	67-Ho-165 >>
<< MT37 (d,4n)	**MT103 (d,p) or MT5 (Tb160 production)**	MT153 (d,6n) >>





Reaction	Q-Value
Tb159(d,p)Tb160	4150.65 keV

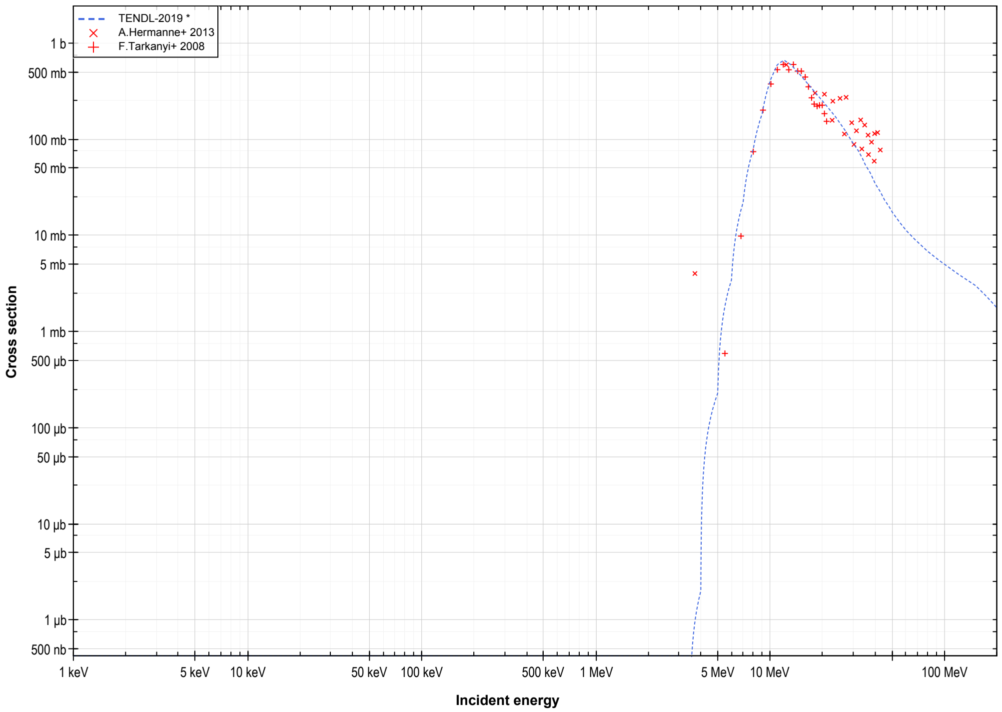




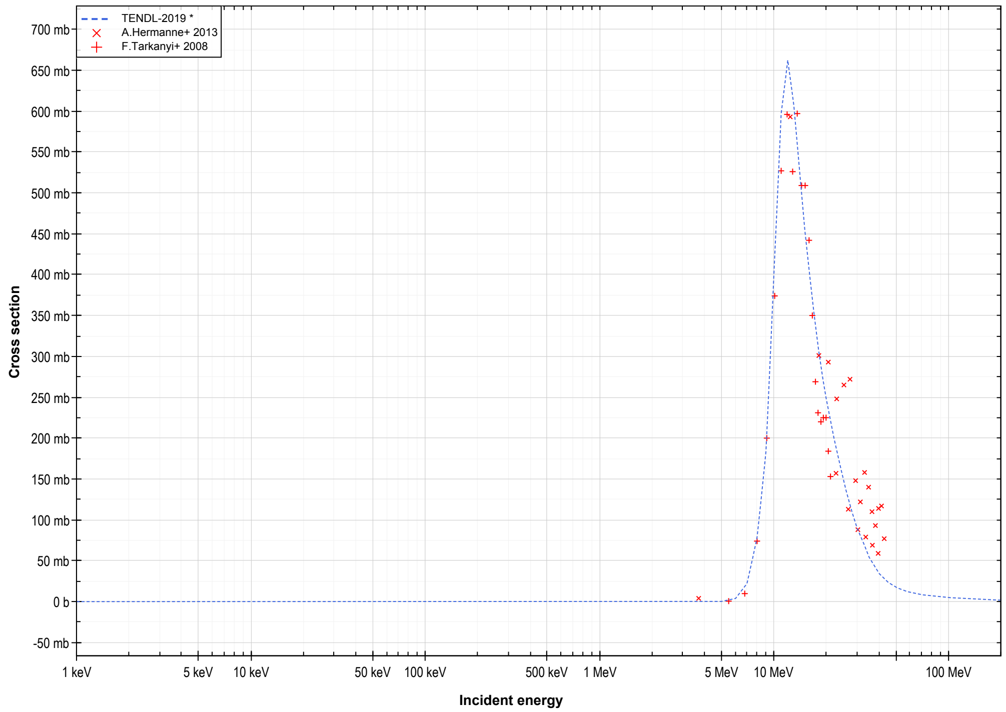
Reaction	Q-Value
Tb159(d,6n)Dy155	-35668.58 keV

<< 65-Tb-159	**67-Ho-165**	68-Er-167 >>
<< 65-Tb-159 MT153 (d,6n)	**MT16 (d,2n) or MT5 (Er165 production)**	MT103 (d,p) >>

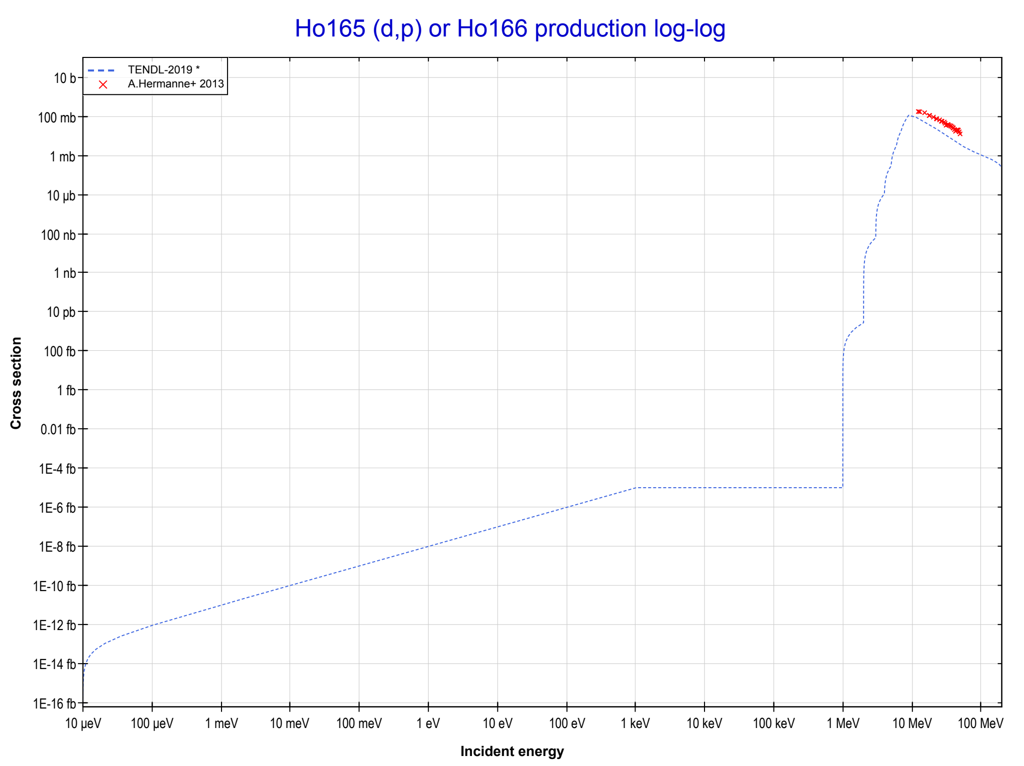
Ho165 (d,2n) or Er165 production log-log

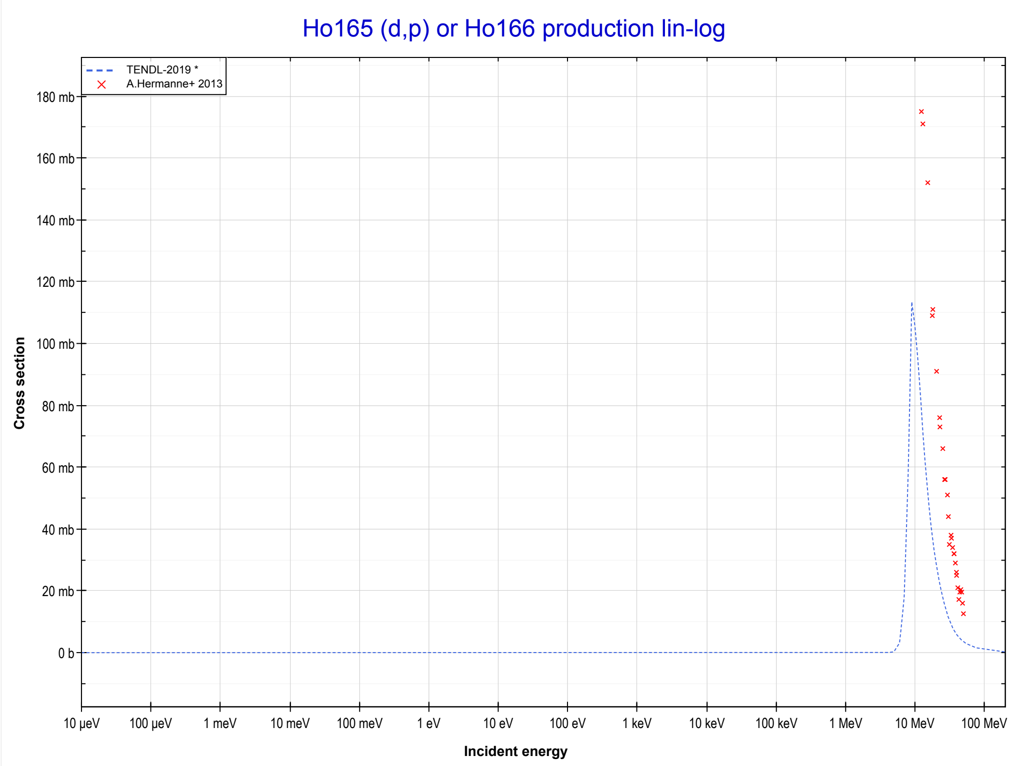


Ho165 (d,2n) or Er165 production lin-log



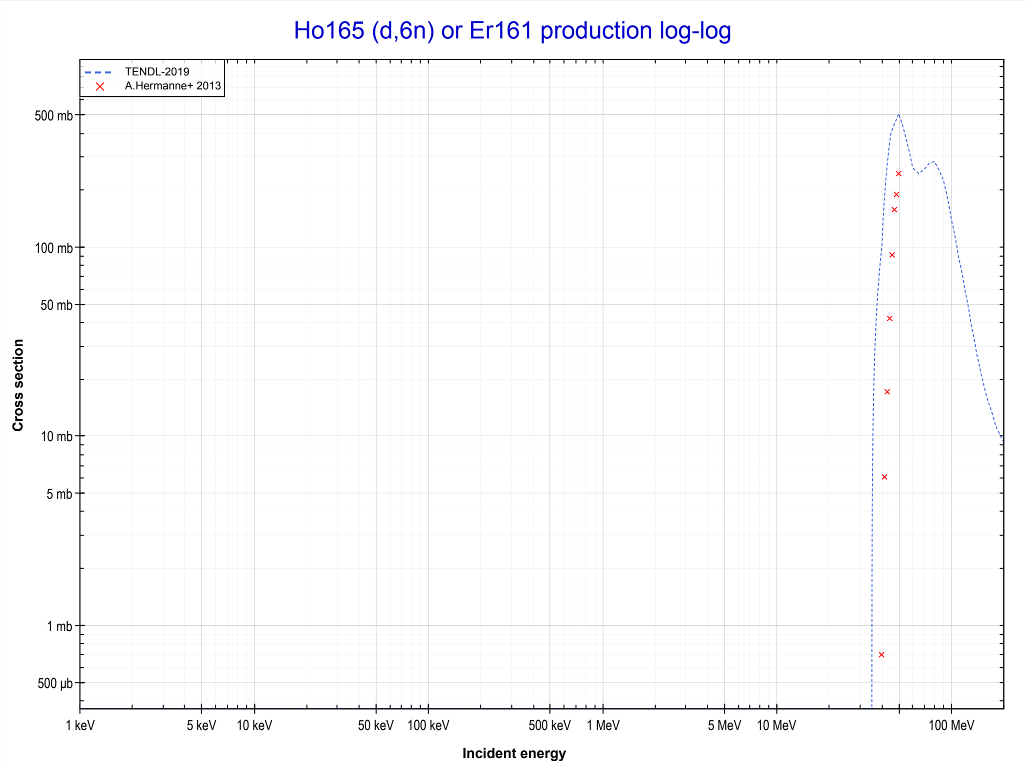
Reaction	Q-Value
Ho165(d,2n)Er165	-3384.31 keV

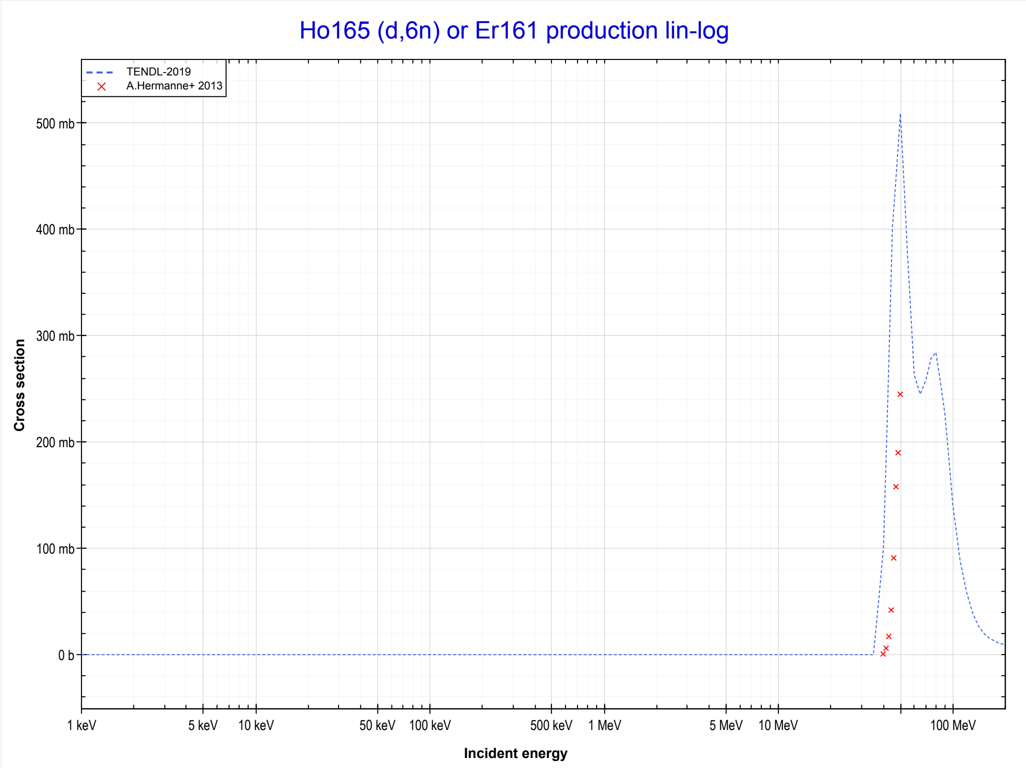




Reaction	Q-Value
Ho165(d,p)Ho166	4019.05 keV

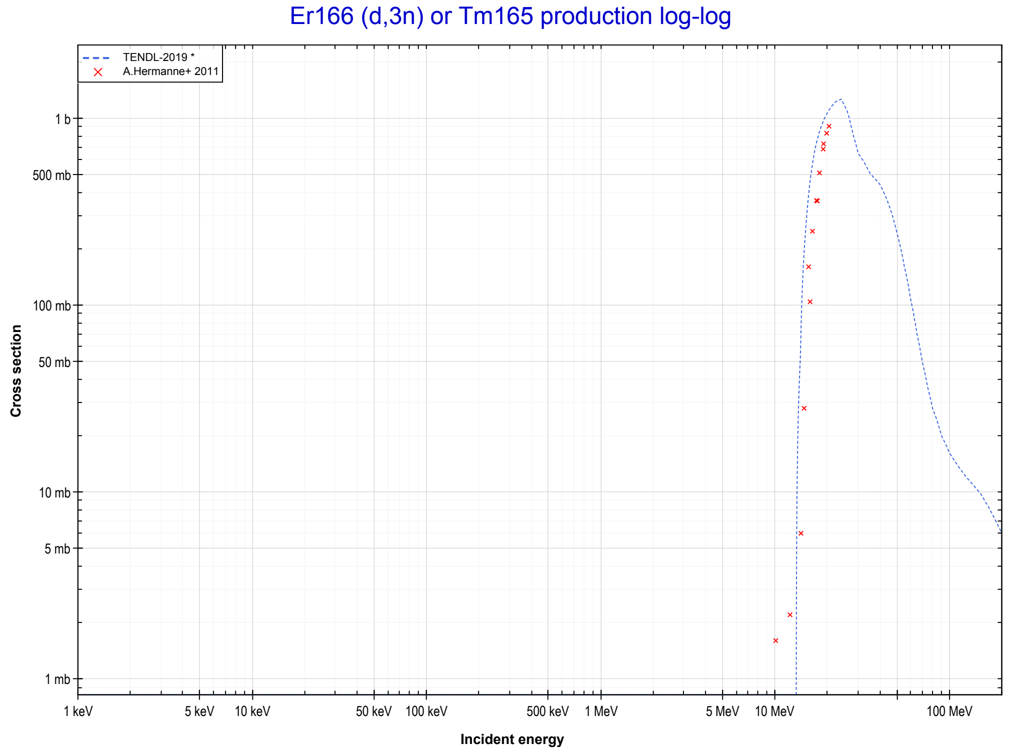
<< 65-Tb-159	**67-Ho-165**	73-Ta-181 >>
<< MT103 (d,p)	**MT153 (d,6n) or MT5 (Er161 production)**	68-Er-166 MT17 (d,3n) >>

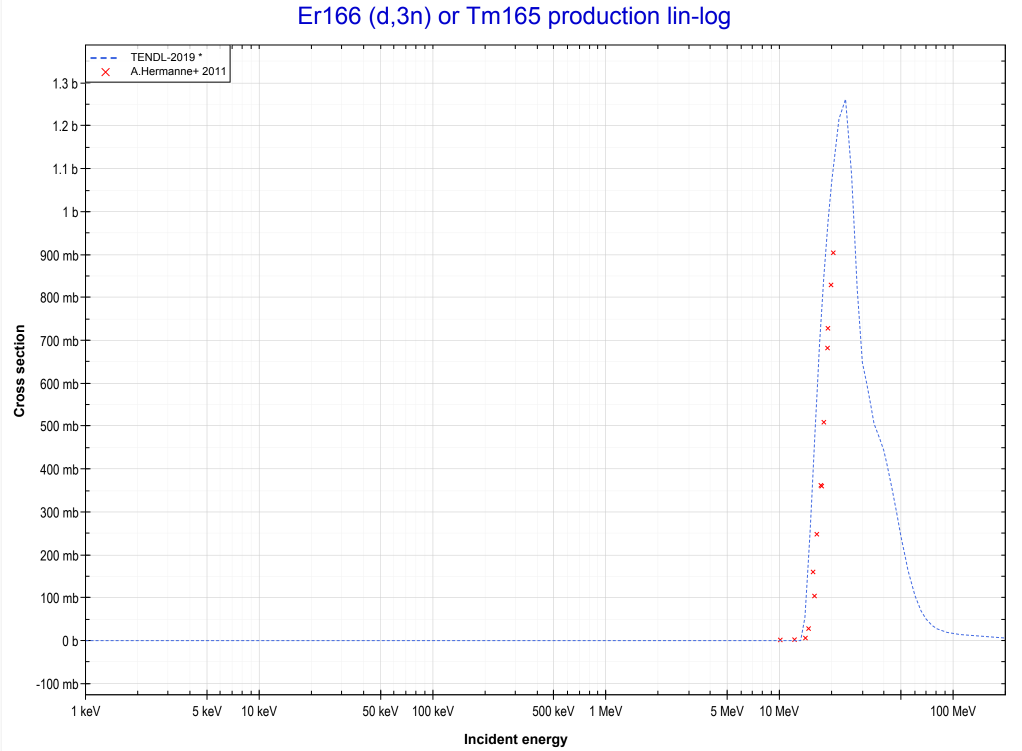




Reaction	Q-Value
Ho165(d,6n)Er161	-34989.18 keV

<< 59-Pr-141	**68-Er-166**	68-Er-167 >>
<< 67-Ho-165 MT153 (d,6n)	**MT17 (d,3n) or MT5 (Tm165 production)**	68-Er-167 MT16 (d,2n) >>

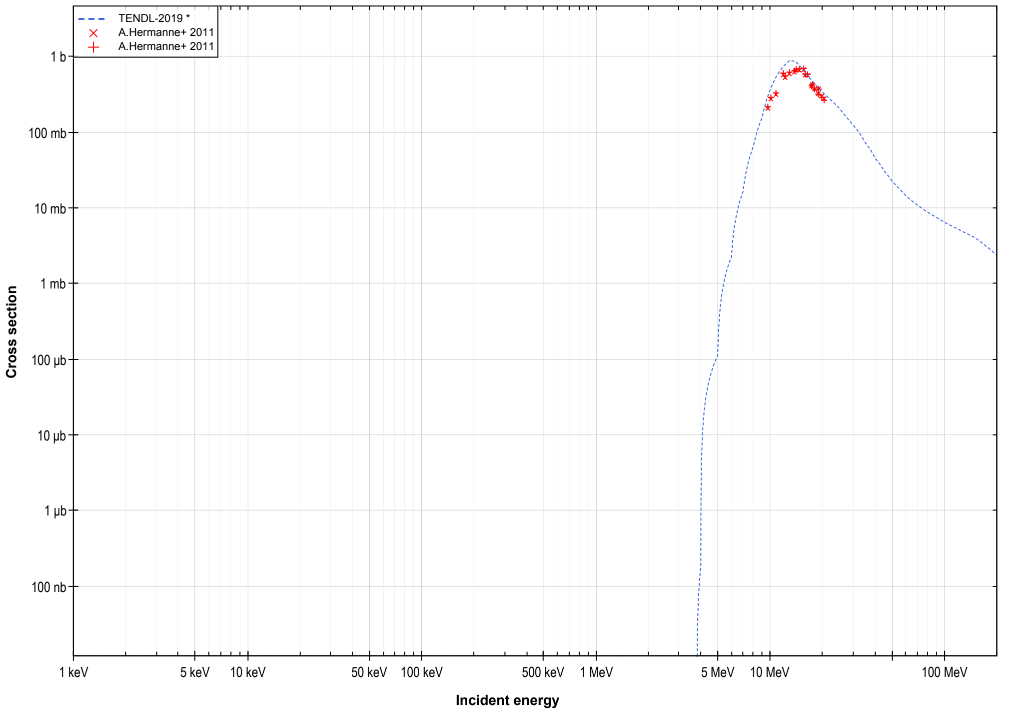




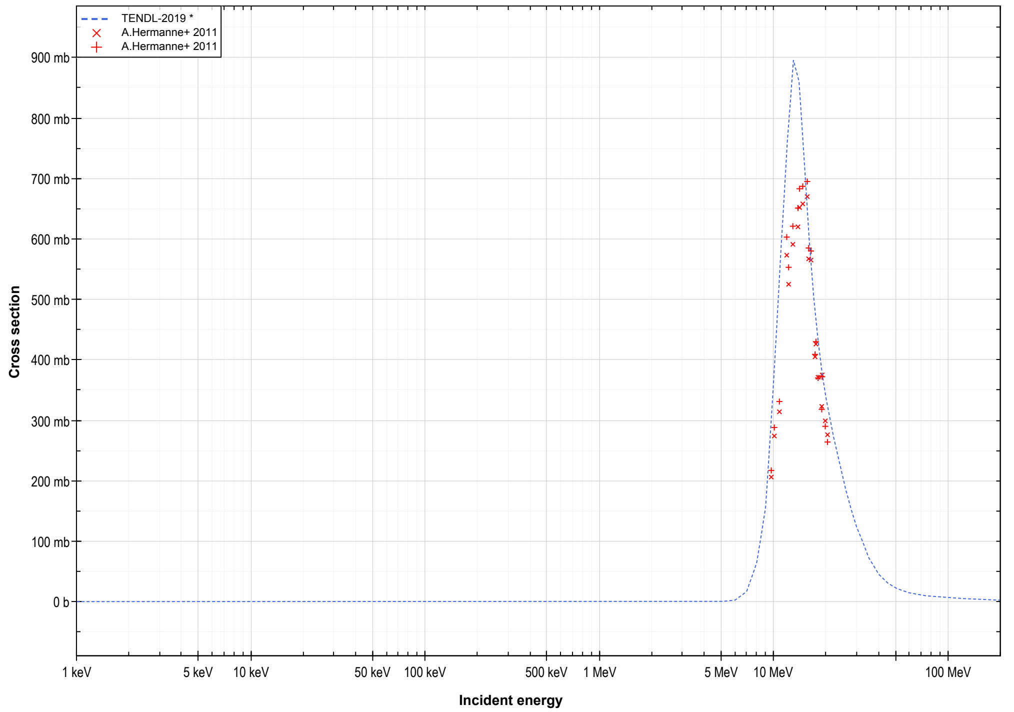
Reaction	Q-Value
Er166(d,3n)Tm165	-13074.63 keV

<< 67-Ho-165	**68-Er-167**	69-Tm-169 >>
<< 68-Er-166 MT17 (d,3n)	**MT16 (d,2n) or MT5 (Tm167 production)**	MT17 (d,3n) >>

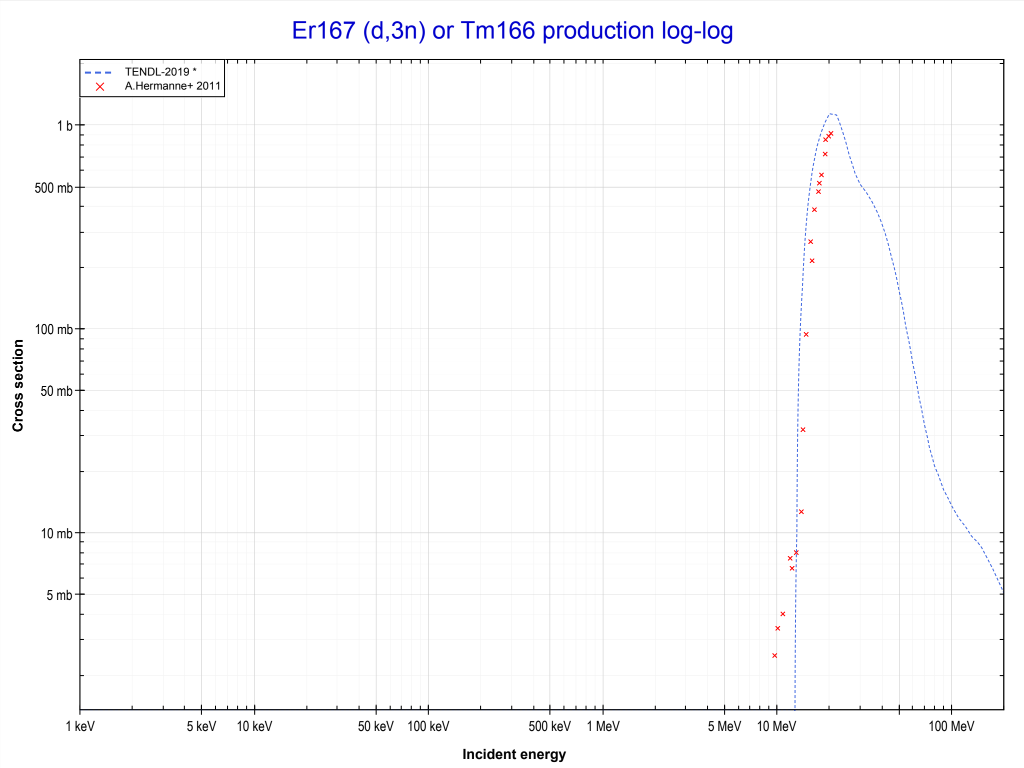
Er167 (d,2n) or Tm167 production log-log

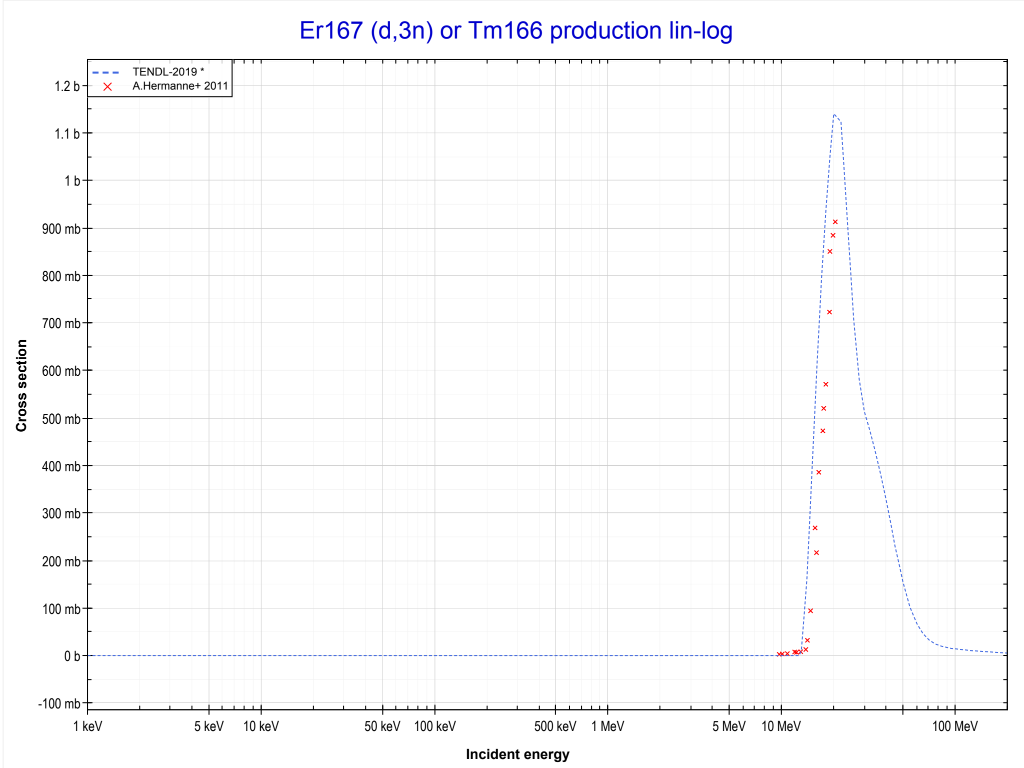


Er167 (d,2n) or Tm167 production lin-log



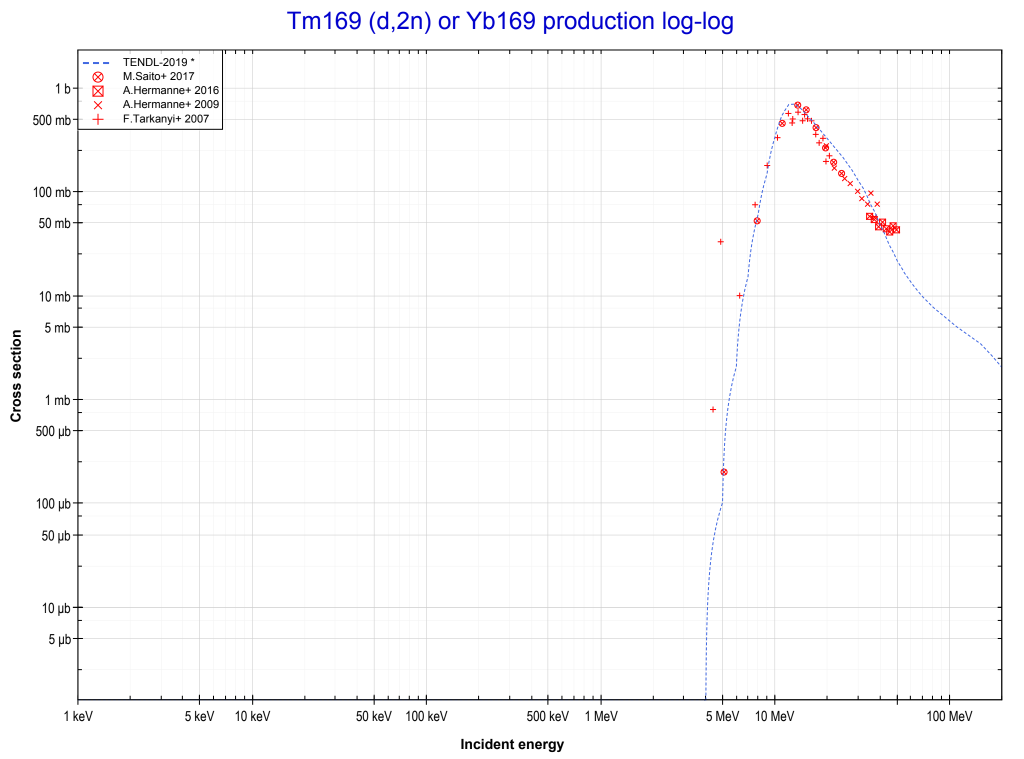
Reaction	Q-Value
Er167(d,2n)Tm167	-3754.51 keV

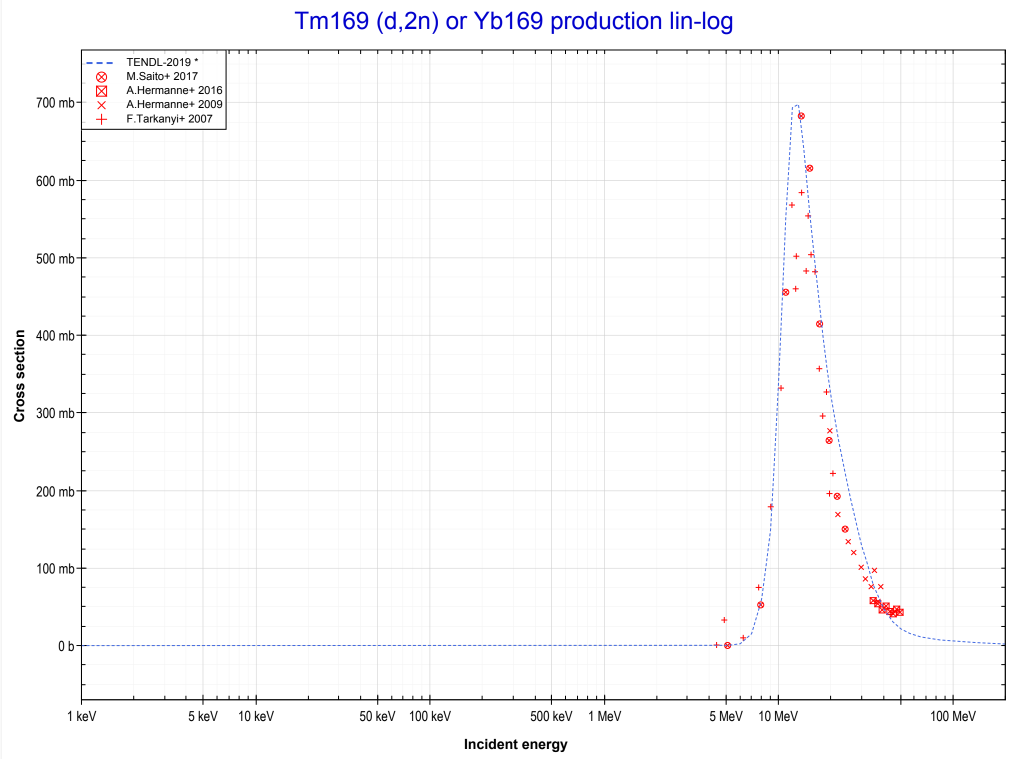




Reaction	Q-Value
Er167(d,3n)Tm166	-12481.43 keV

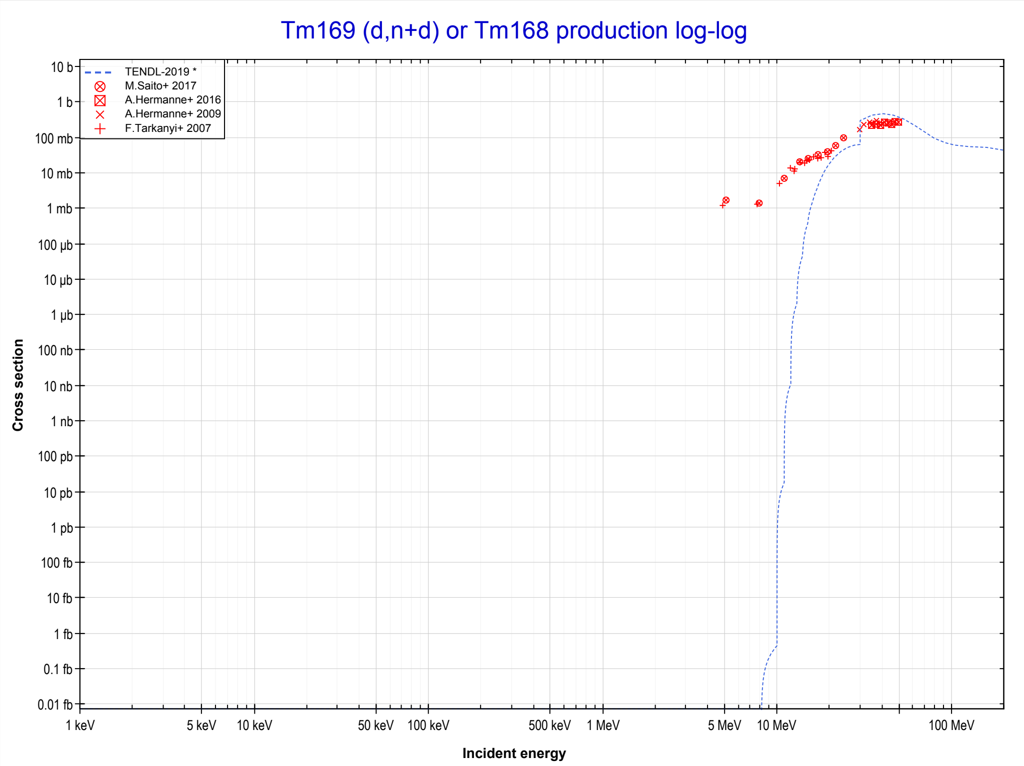
<< 68-Er-167	**69-Tm-169**	70-Yb-176 >>
<< 68-Er-167 MT17 (d,3n)	**MT16 (d,2n) or MT5 (Yb169 production)**	MT32 (d,n+d) >>

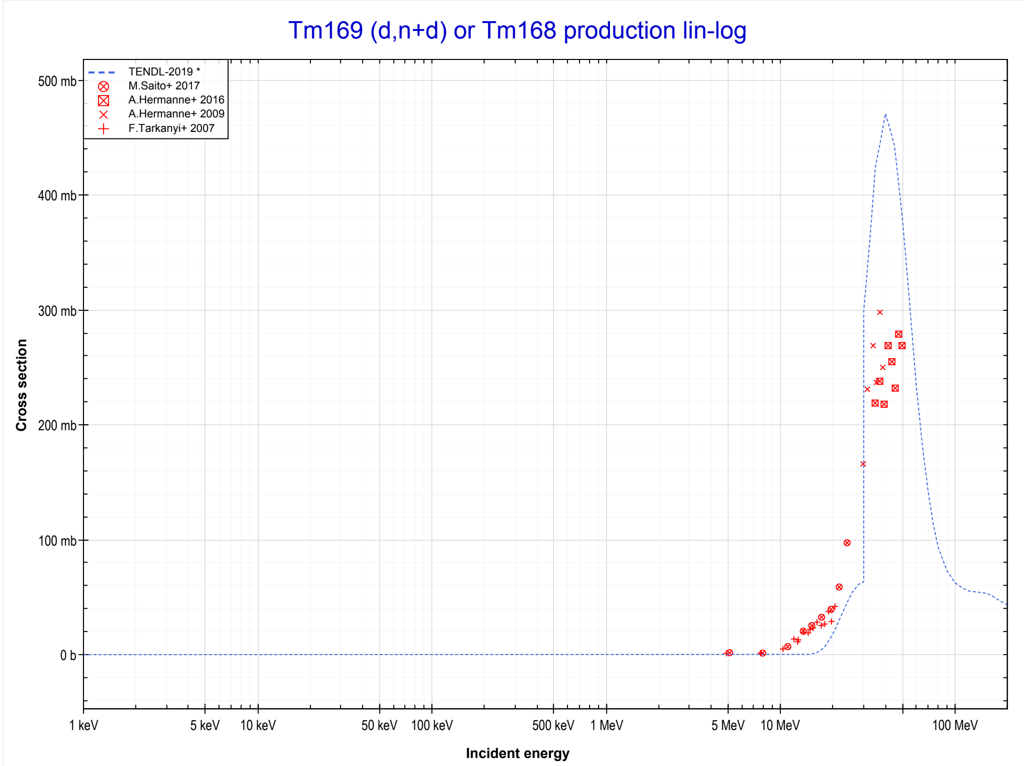




Reaction	Q-Value
Tm169(d,2n)Yb169	-3904.51 keV

<< 55-Cs-133	**69-Tm-169**	79-Au-197 >>
<< MT16 (d,2n)	**MT32 (d,n+d) or MT5 (Tm168 production)**	MT41 (d,2n+p) >>

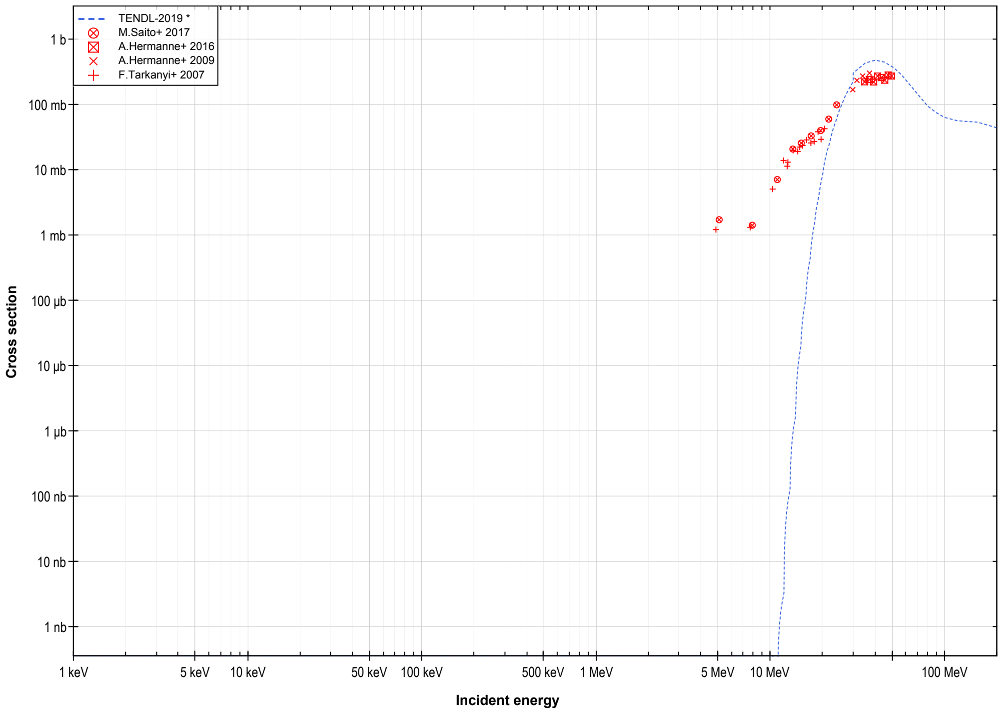




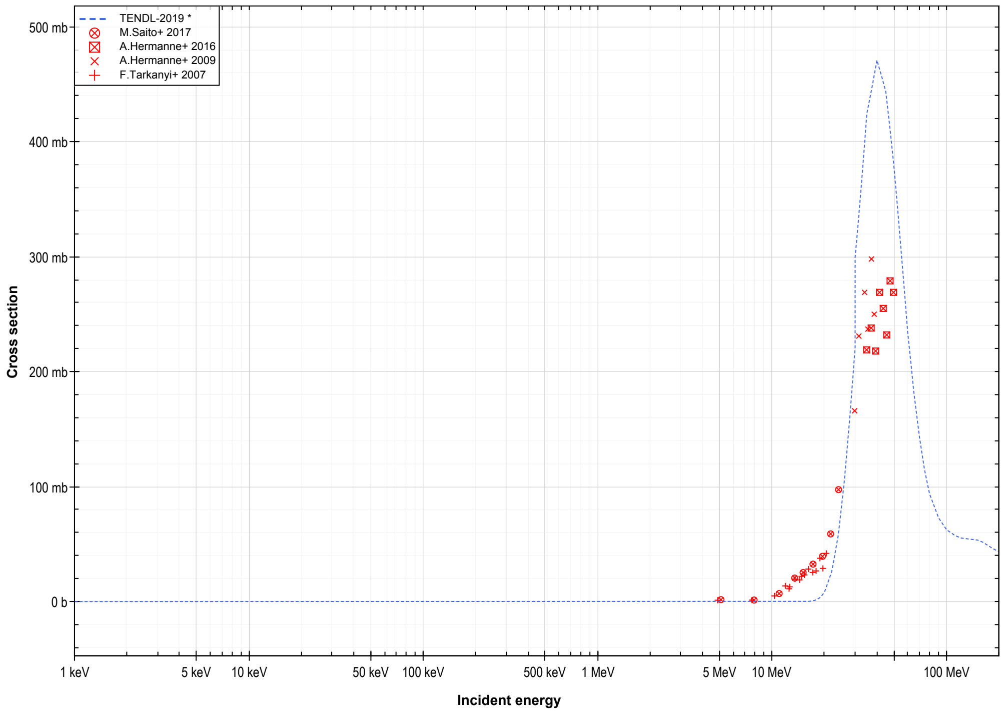
Reaction	Q-Value
Tm169(d,t)Tm168	-1776.39 keV
Tm169(d,n+d)Tm168	-8033.62 keV
Tm169(d,2n+p)Tm168	-10258.18 keV

<< 55-Cs-133	**69-Tm-169**	73-Ta-181 >>
<< MT32 (d,n+d)	**MT41 (d,2n+p) or MT5 (Tm168 production)**	MT103 (d,p) >>

Tm169 (d,2n+p) or Tm168 production log-log

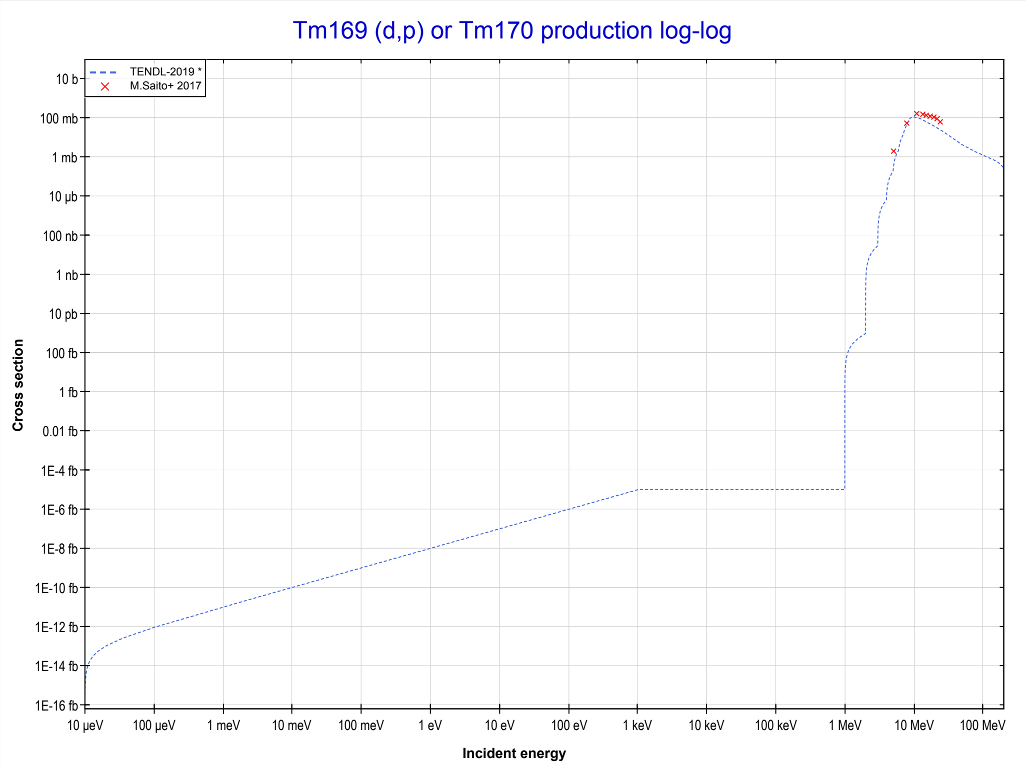


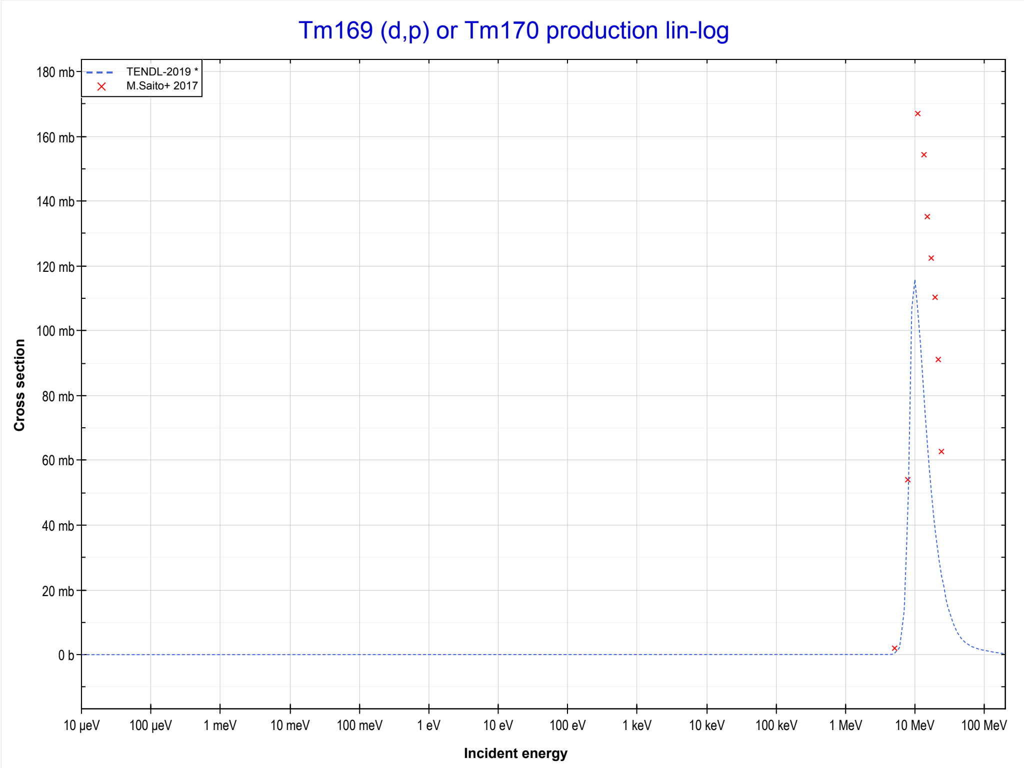
Tm169 (d,2n+p) or Tm168 production lin-log



Reaction	Q-Value
Tm169(d,t)Tm168	-1776.39 keV
Tm169(d,n+d)Tm168	-8033.62 keV
Tm169(d,2n+p)Tm168	-10258.18 keV

<< 67-Ho-165	**69-Tm-169**	70-Yb-176 >>
<< MT41 (d,2n+p)	**MT103 (d,p) or MT5 (Tm170 production)**	MT105 (d,t) >>

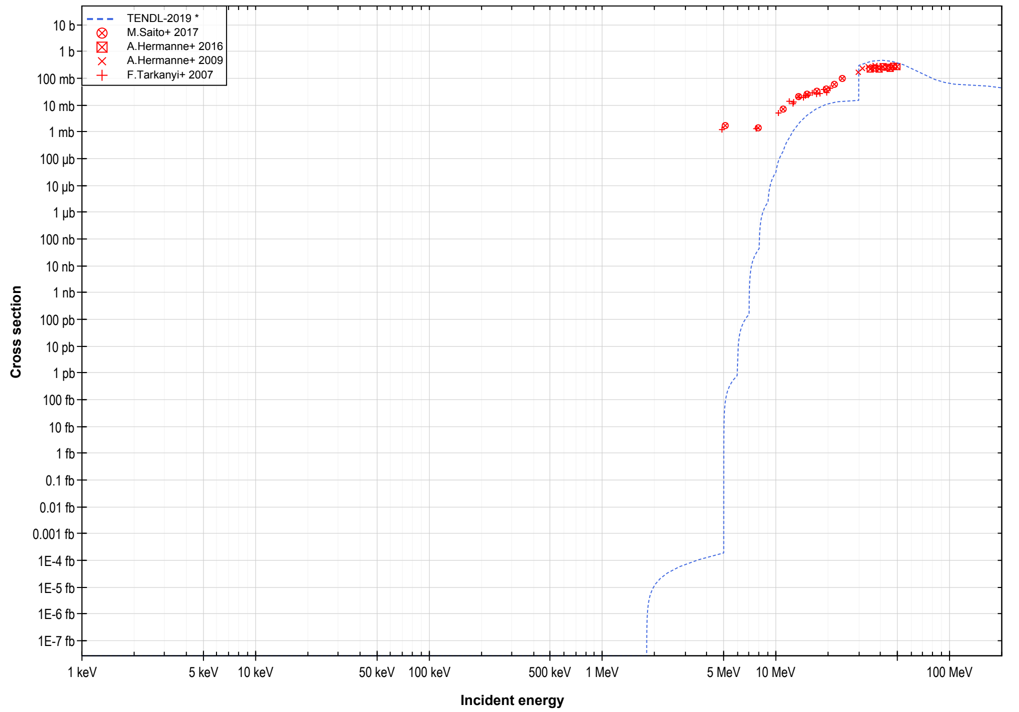




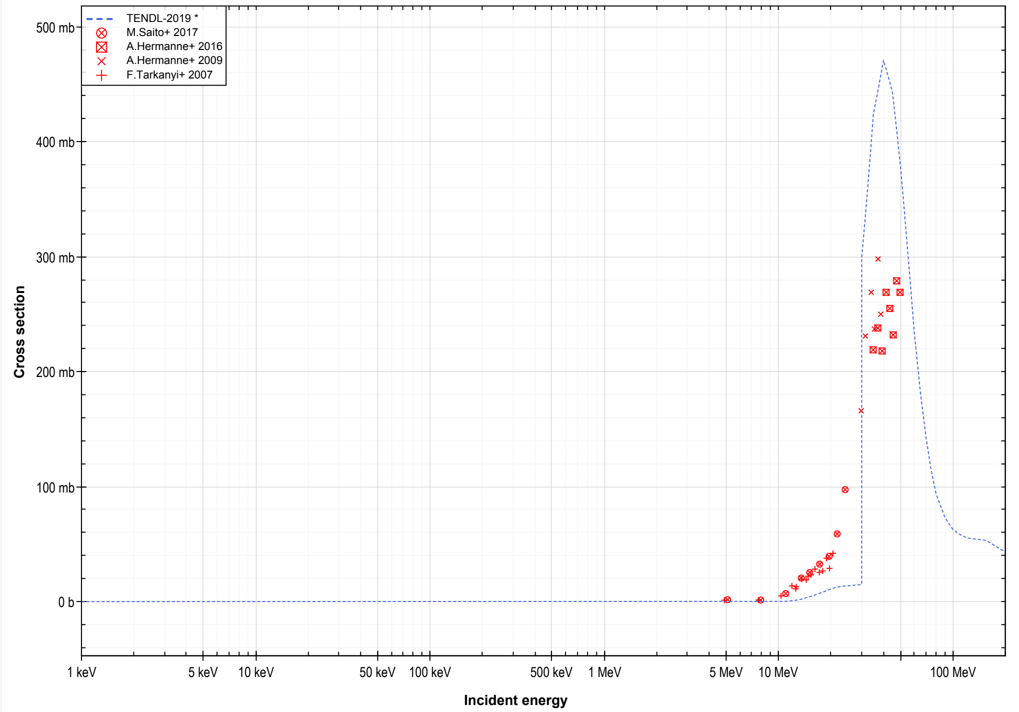
Reaction	Q-Value
Tm169(d,p)Tm170	4367.45 keV

<< 55-Cs-133	**69-Tm-169**	79-Au-197 >>
<< MT103 (d,p)	**MT105 (d,t) or MT5 (Tm168 production)**	MT152 (d,5n) >>

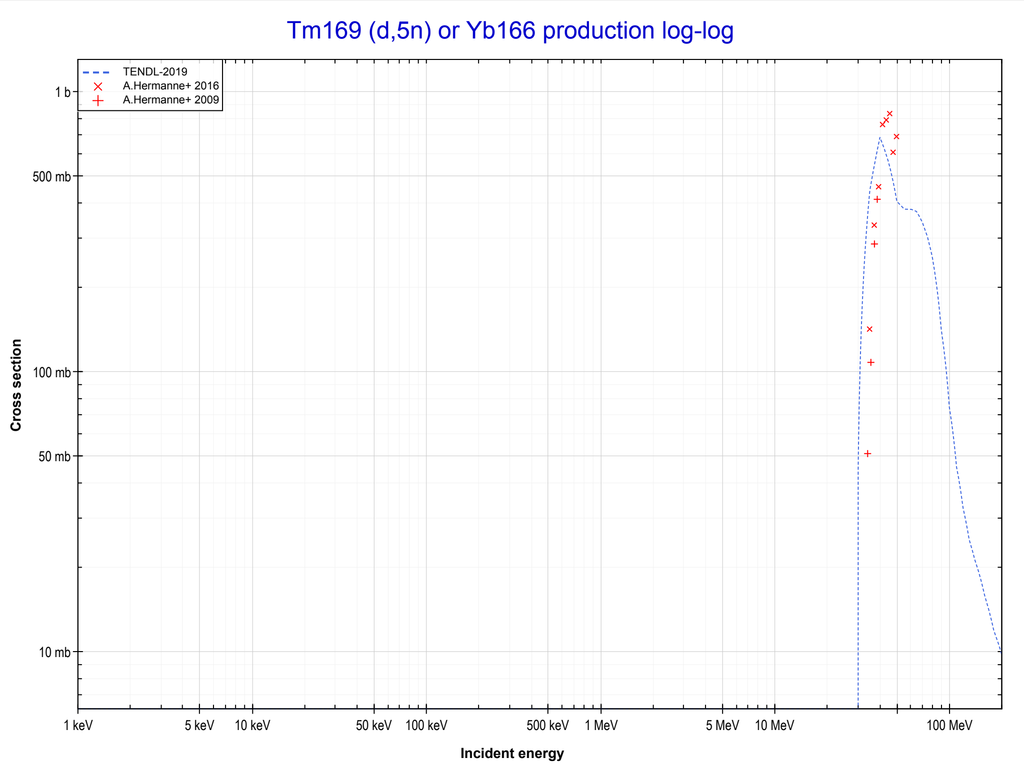
Tm169 (d,t) or Tm168 production log-log

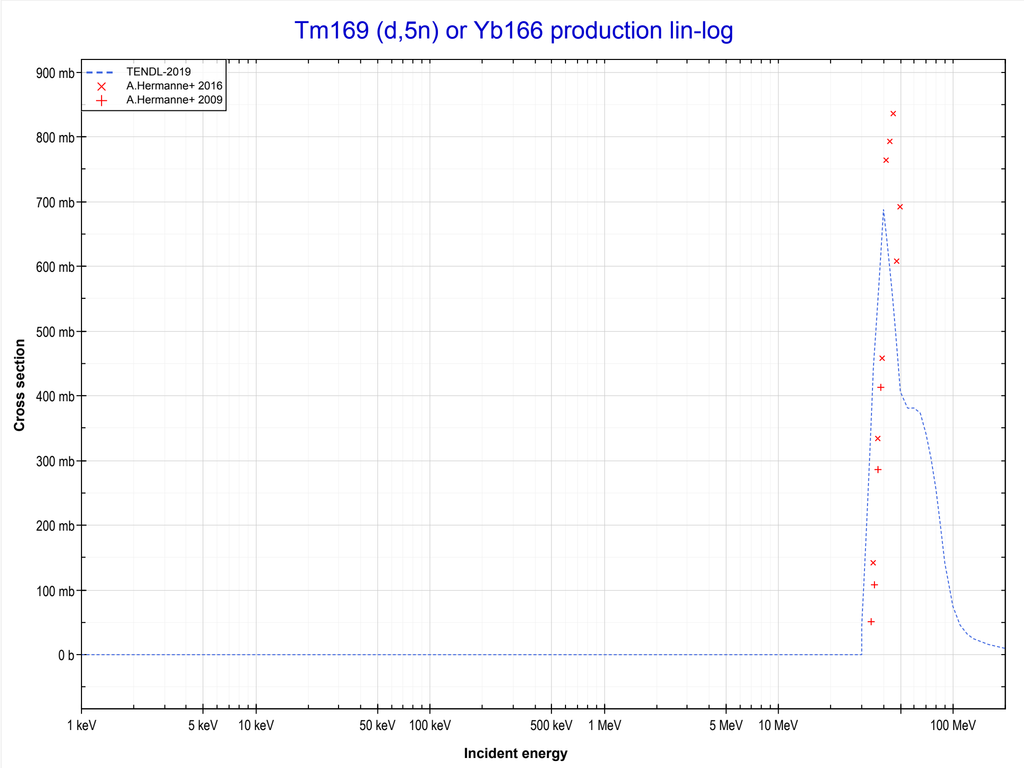


Tm169 (d,t) or Tm168 production lin-log



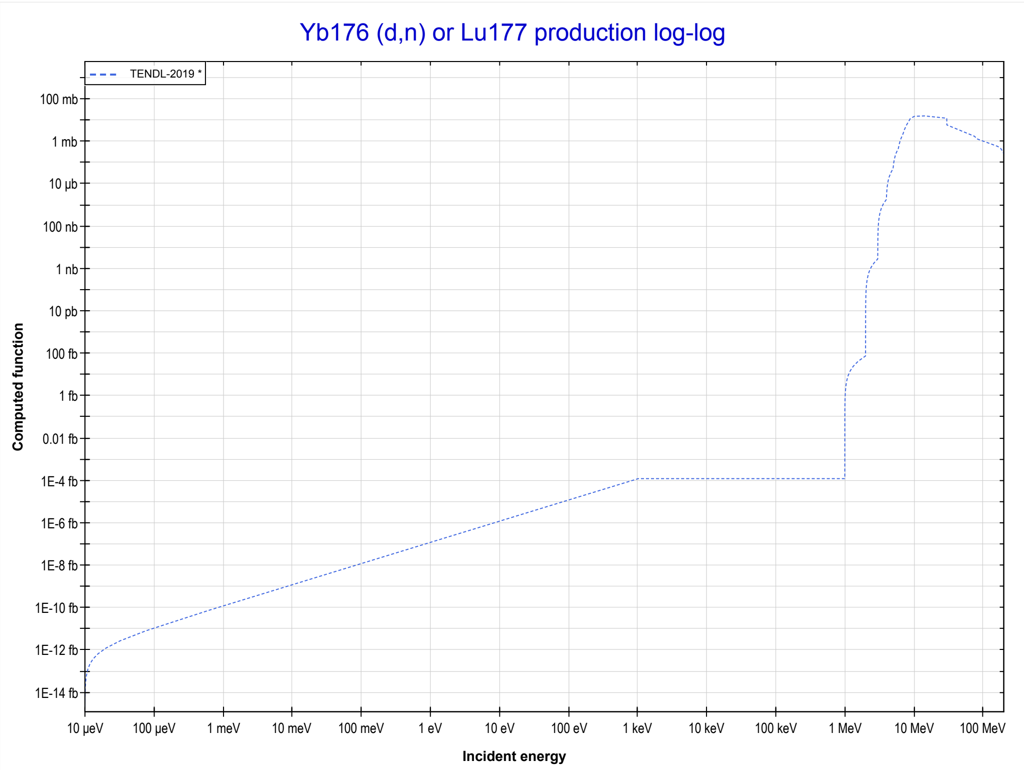
Reaction	Q-Value
Tm169(d,t)Tm168	-1776.39 keV
Tm169(d,n+d)Tm168	-8033.62 keV
Tm169(d,2n+p)Tm168	-10258.18 keV

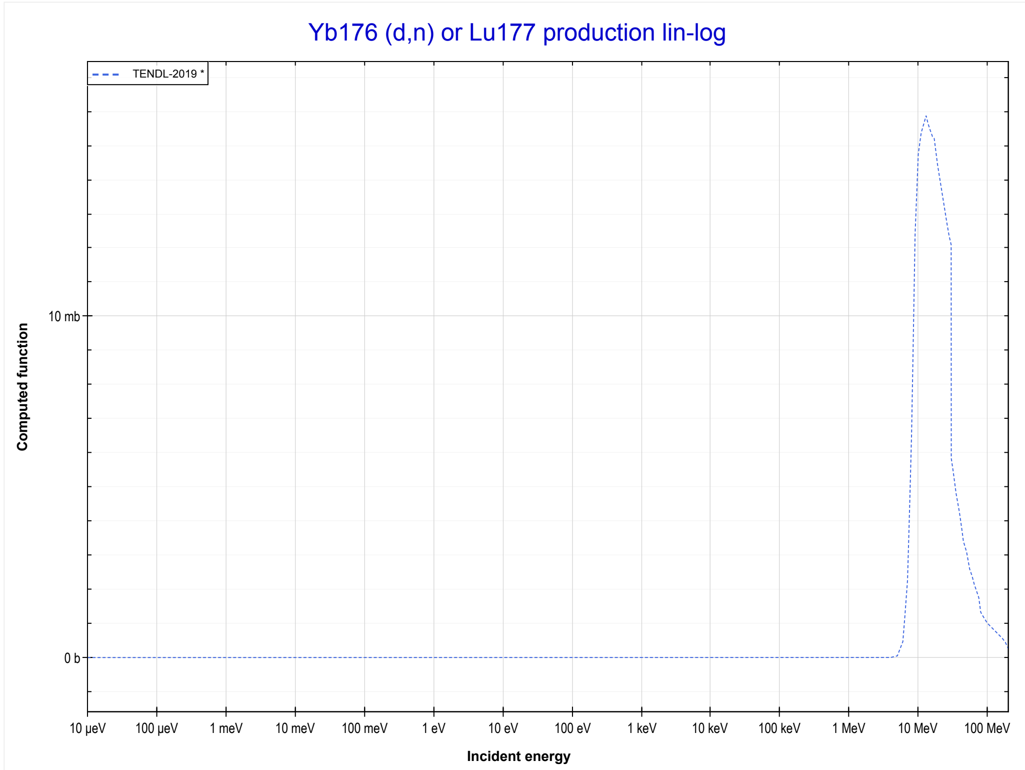




Reaction	Q-Value
Tm169(d,5n)Yb166	-26900.06 keV

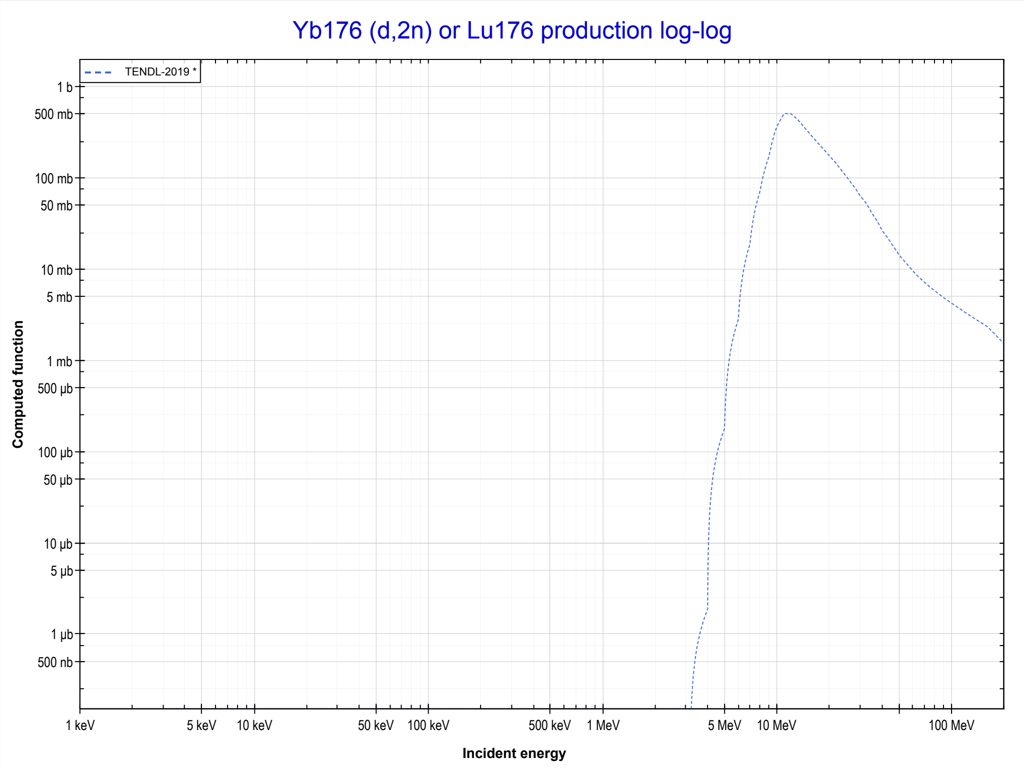
<< 58-Ce-142	**70-Yb-176**	78-Pt-194 >>
<< 69-Tm-169 MT152 (d,5n)	**MT4 (d,n) or MT5 (Lu177 production)**	MT16 (d,2n) >>

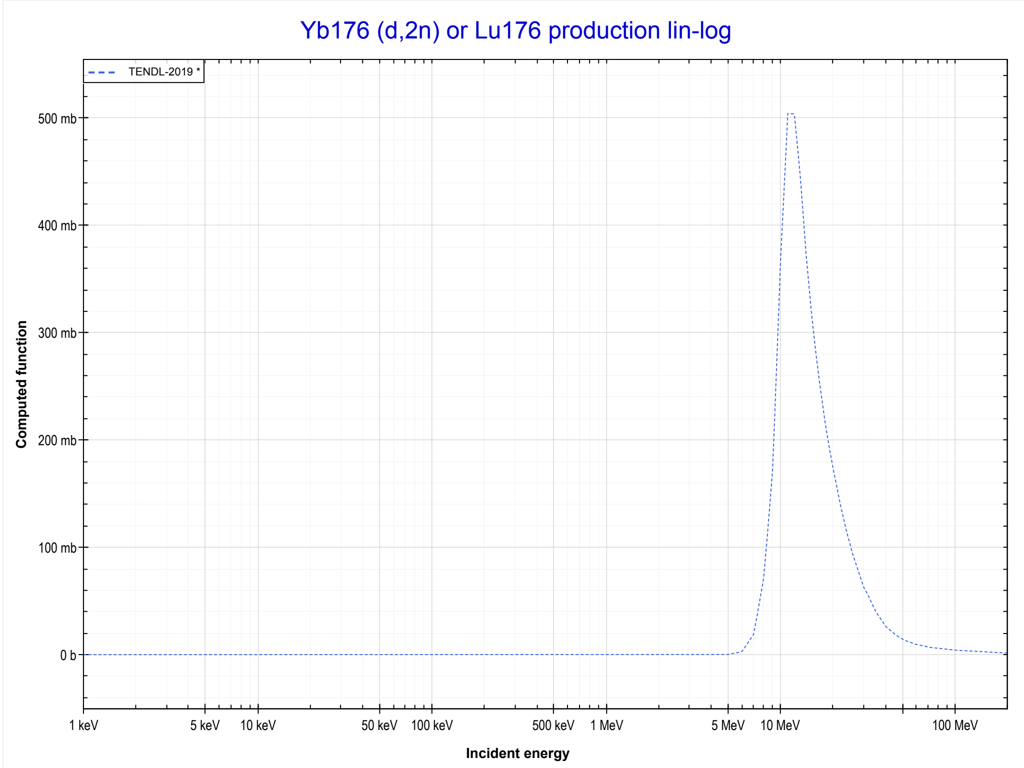




Reaction	Q-Value
Yb176(d,n)Lu177	3956.89 keV

<< 69-Tm-169	**70-Yb-176**	72-Hf-174 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Lu176 production)**	MT103 (d,p) >>

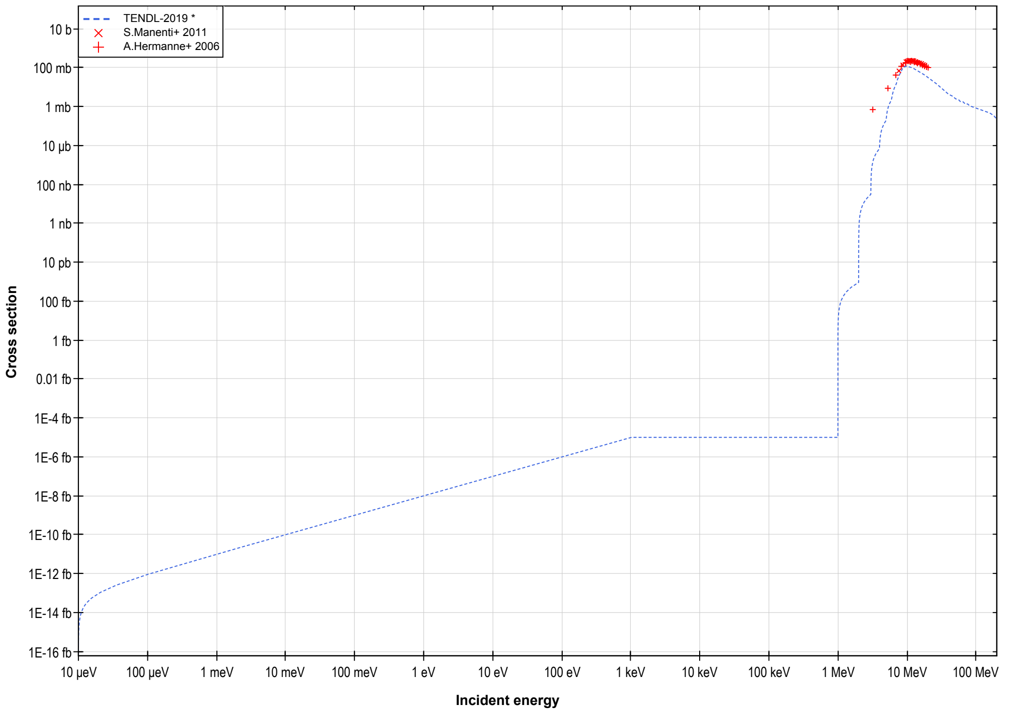




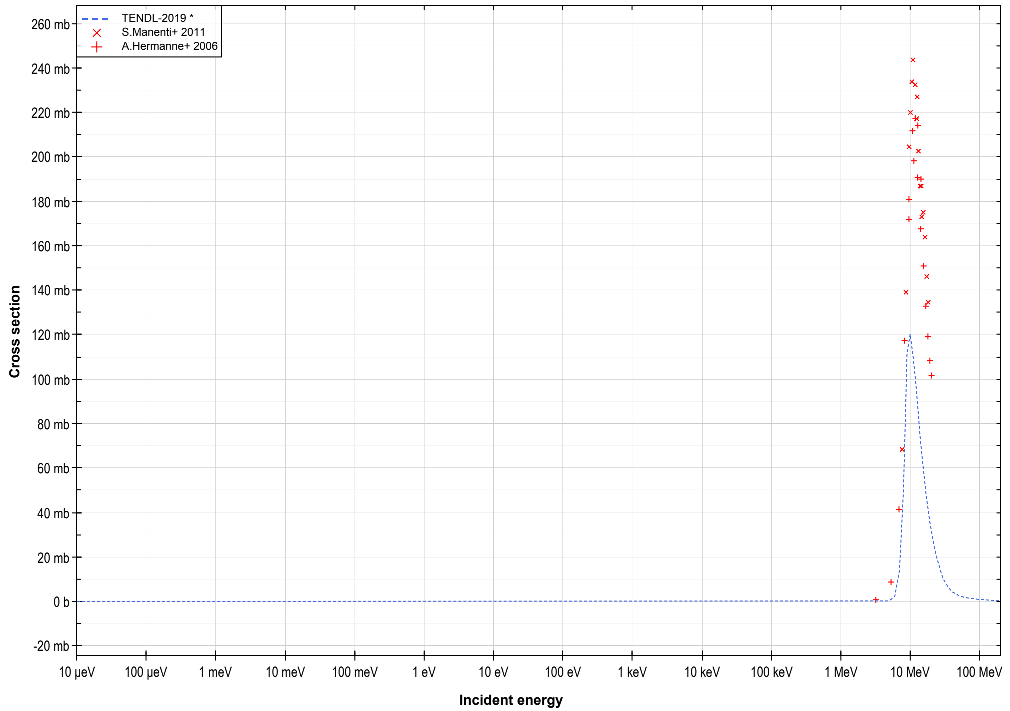
Reaction	Q-Value
Yb176(d,2n)Lu176	-3116.03 keV

<< 69-Tm-169	**70-Yb-176**	72-Hf-180 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Yb177 production)**	72-Hf-174 MT16 (d,2n) >>

Yb176 (d,p) or Yb177 production log-log

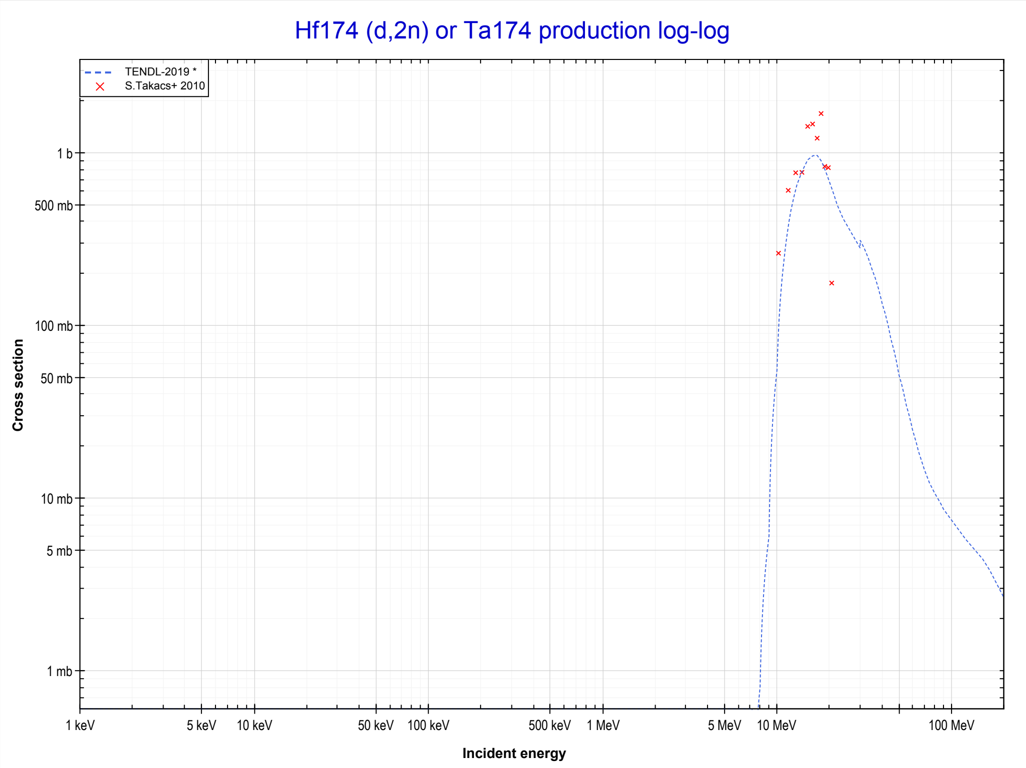


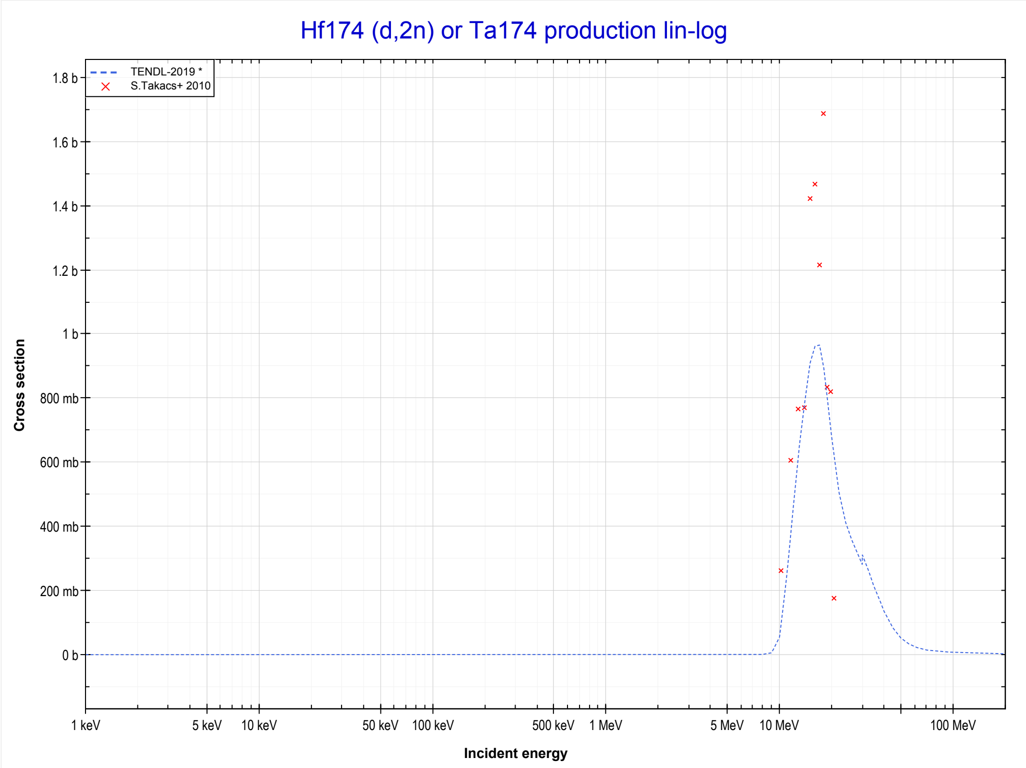
Yb176 (d,p) or Yb177 production lin-log



Reaction	Q-Value
Yb176(d,p)Yb177	3341.84 keV

<< 70-Yb-176	**72-Hf-174**	73-Ta-181 >>
<< 70-Yb-176 MT103 (d,p)	**MT16 (d,2n) or MT5 (Ta174 production)**	72-Hf-180 MT103 (d,p) >>

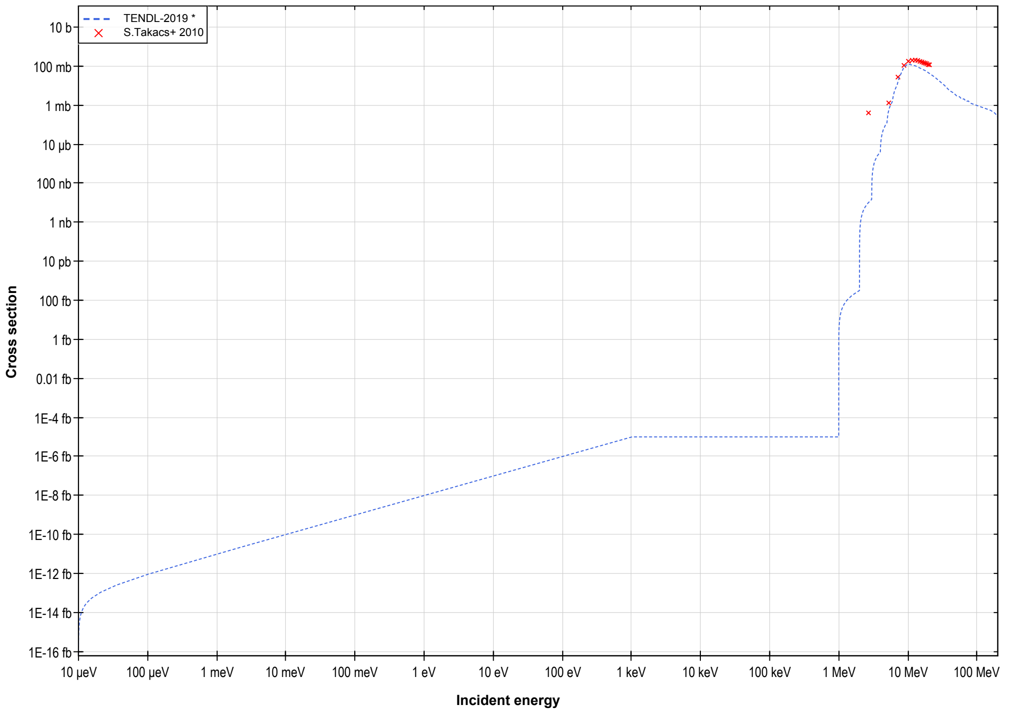




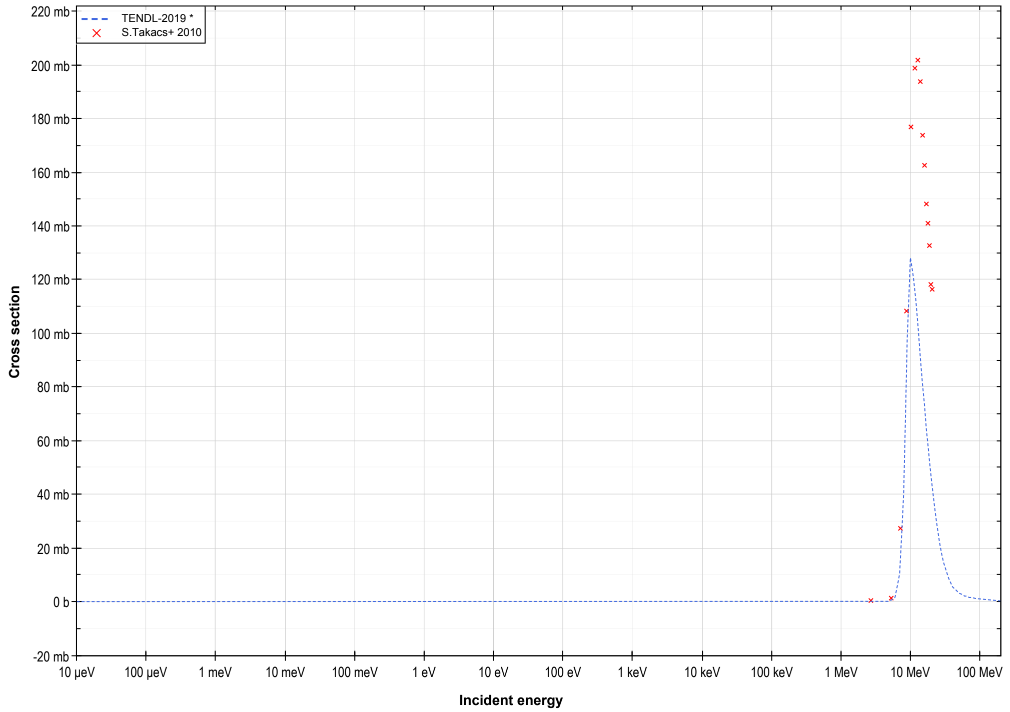
Reaction	Q-Value
Hf174(d,2n)Ta174	-7110.41 keV

<< 70-Yb-176	**72-Hf-180**	73-Ta-181 >>
<< 72-Hf-174 MT16 (d,2n)	**MT103 (d,p) or MT5 (Hf181 production)**	73-Ta-181 MT16 (d,2n) >>

Hf180 (d,p) or Hf181 production log-log

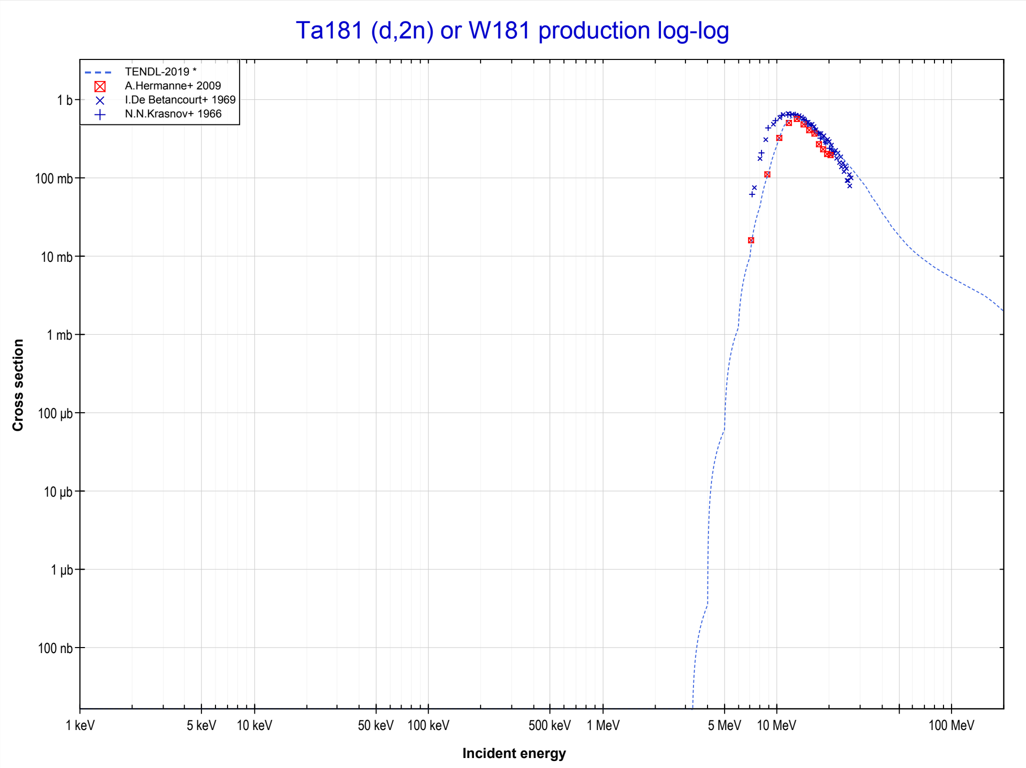


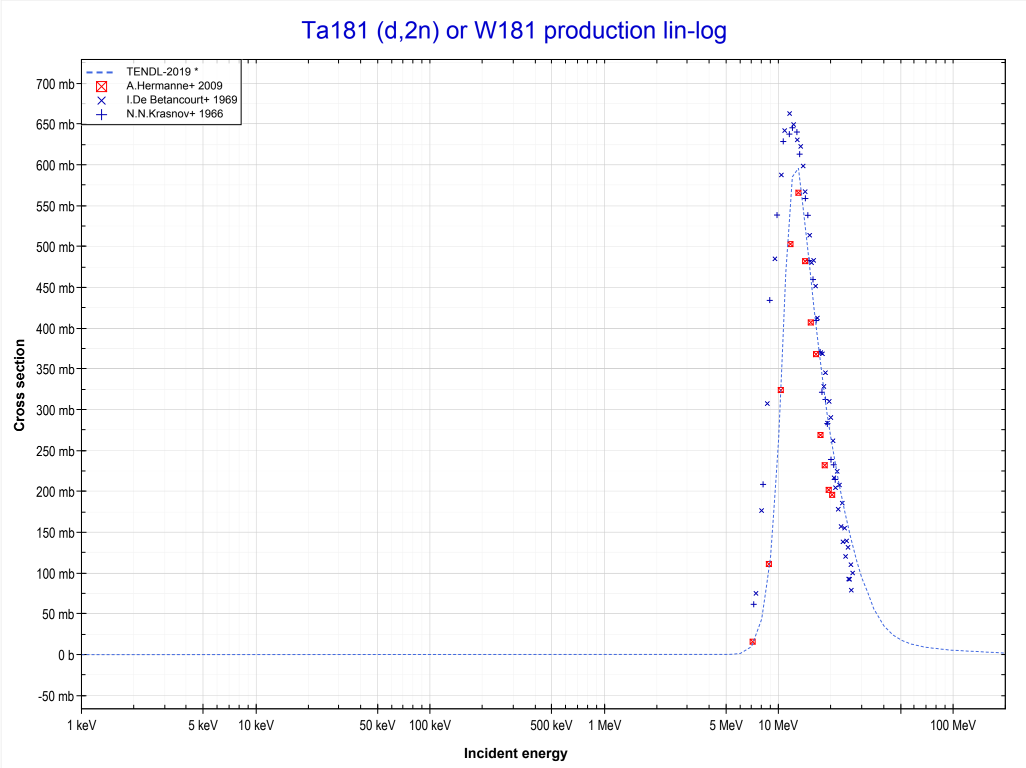
Hf180 (d,p) or Hf181 production lin-log



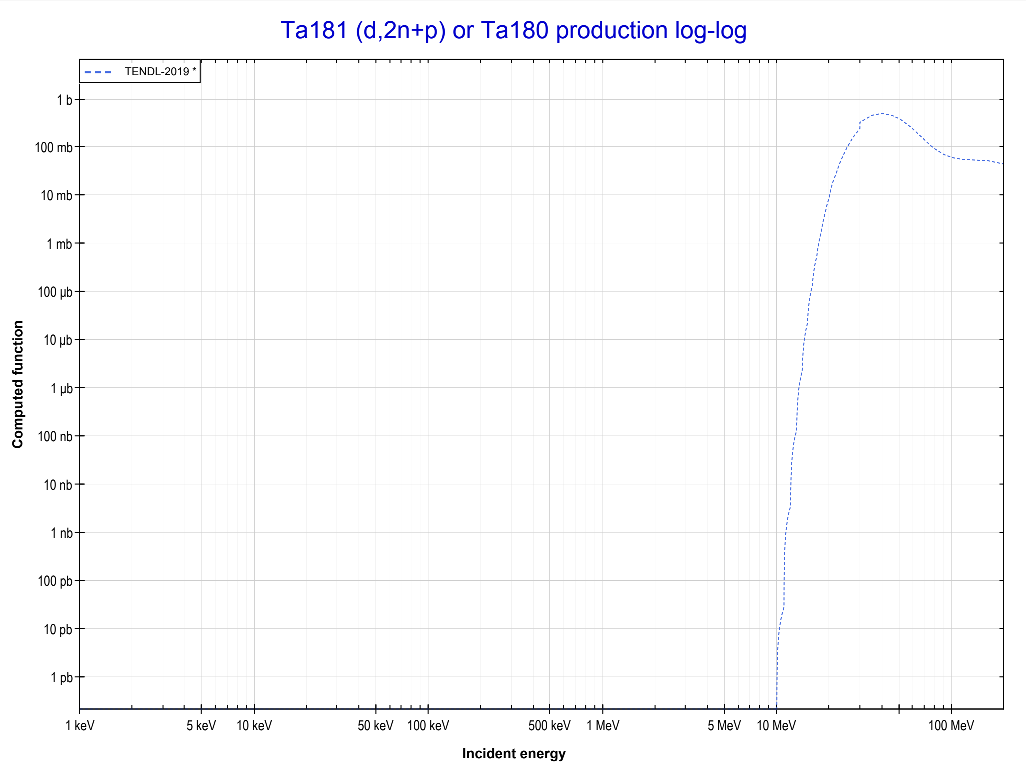
Reaction	Q-Value
Hf180(d,p)Hf181	3470.25 keV

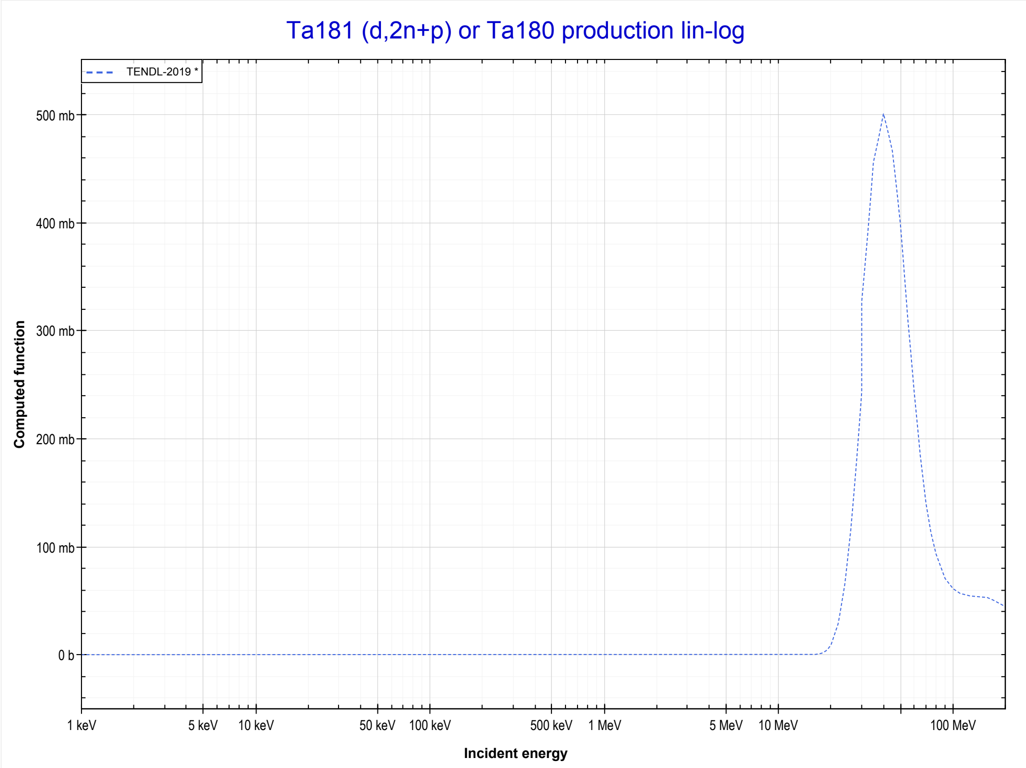
<< 72-Hf-174	**73-Ta-181**	74-W-186 >>
<< 72-Hf-180 MT103 (d,p)	**MT16 (d,2n) or MT5 (W181 production)**	MT41 (d,2n+p) >>





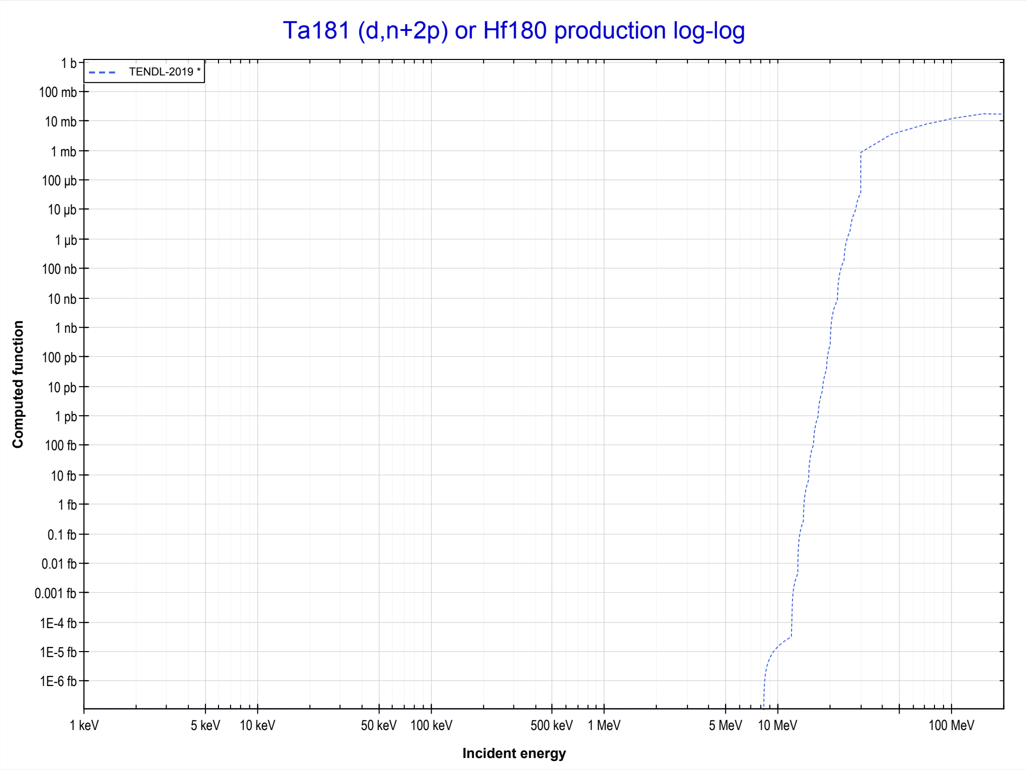
Reaction	Q-Value
Ta181(d,2n)W181	-3211.41 keV

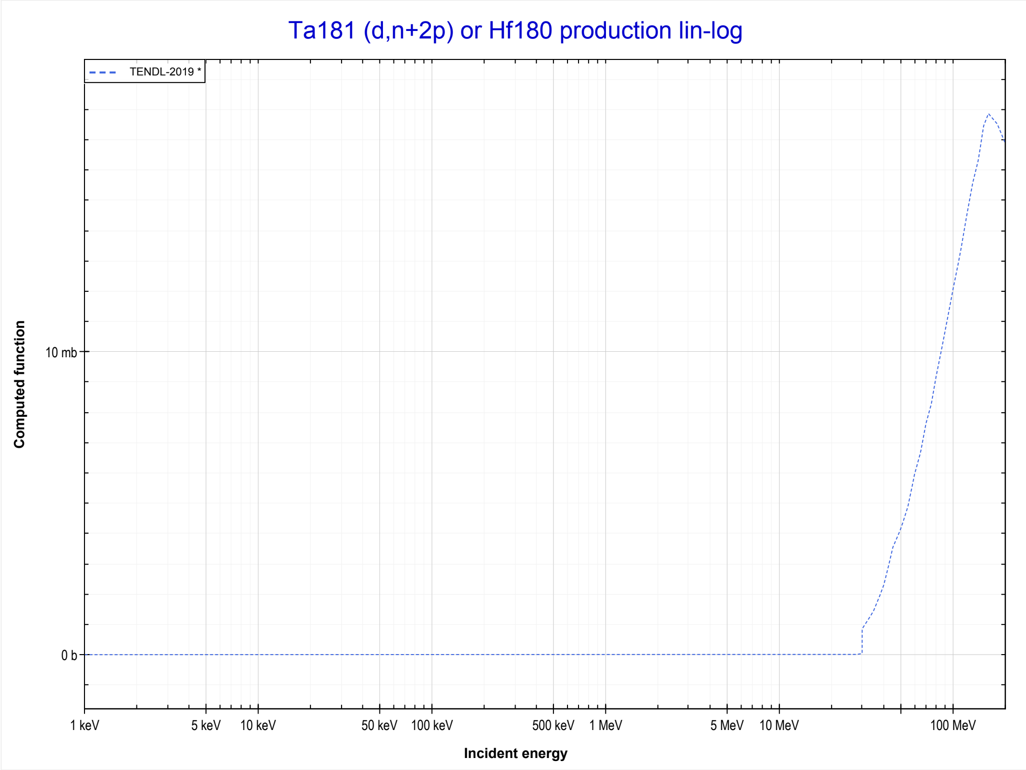




Reaction	Q-Value
Ta181(d,t)Ta180	-1319.49 keV
Ta181(d,n+d)Ta180	-7576.72 keV
Ta181(d,2n+p)Ta180	-9801.28 keV

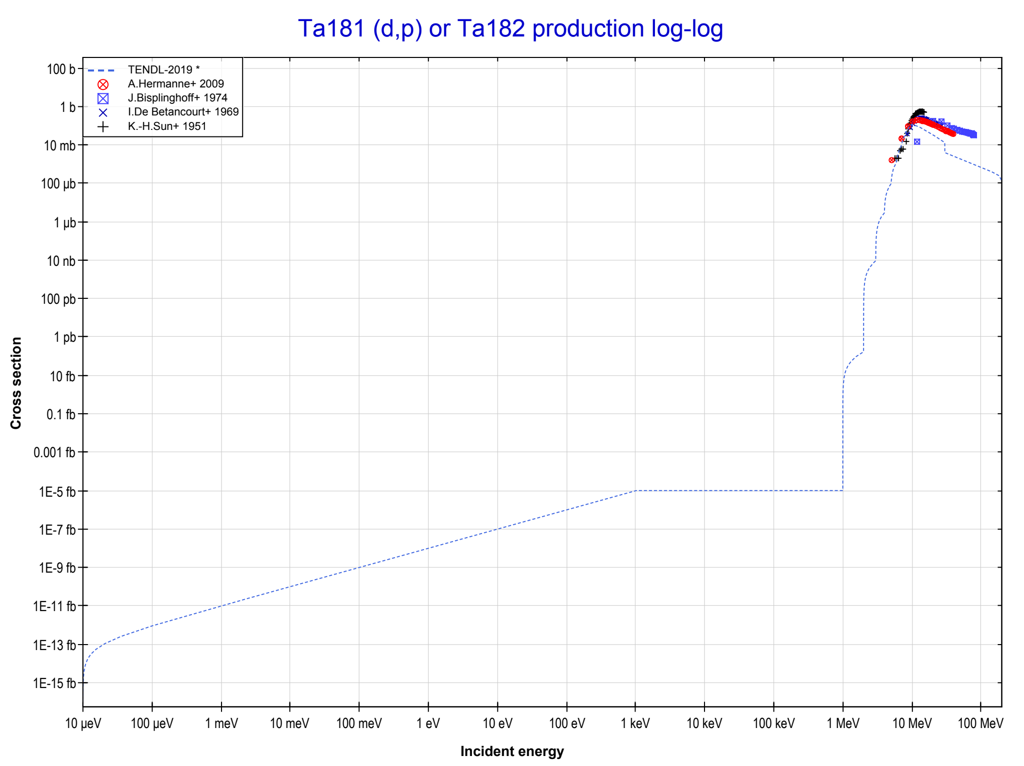
<< 58-Ce-142	**73-Ta-181**	
<< MT41 (d,2n+p)	**MT44 (d,n+2p) or MT5 (Hf180 production)**	MT103 (d,p) >>

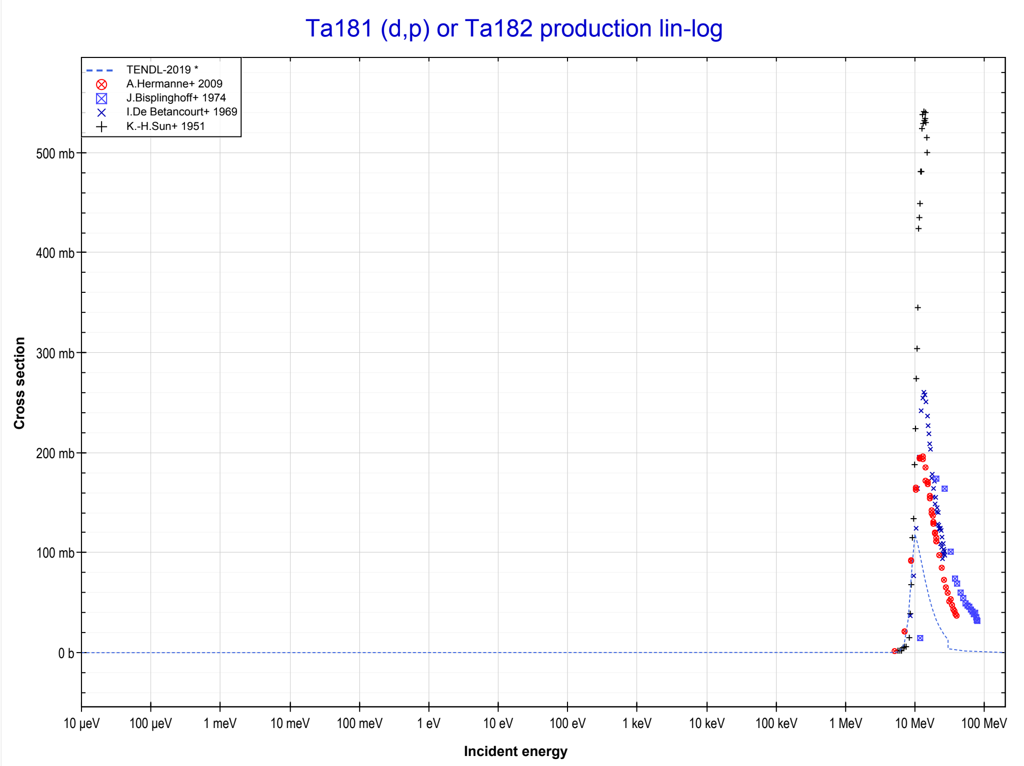




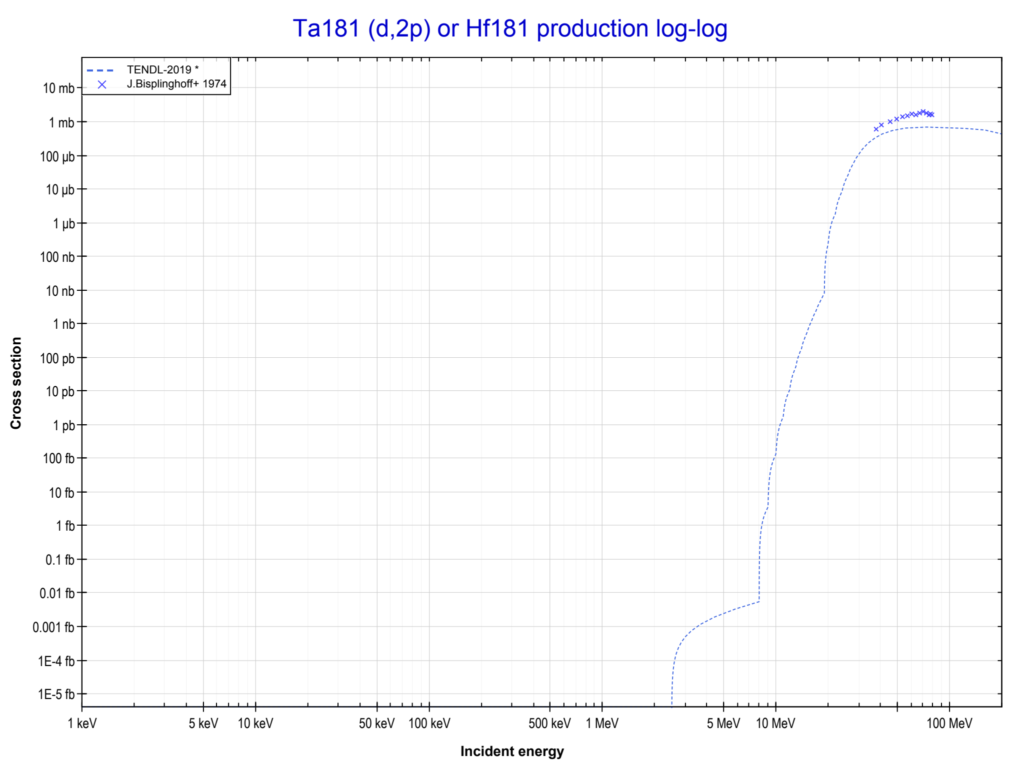
Reaction	Q-Value
Ta181(d,He3)Hf180	-454.50 keV
Ta181(d,p+d)Hf180	-5947.97 keV
Ta181(d,n+2p)Hf180	-8172.54 keV

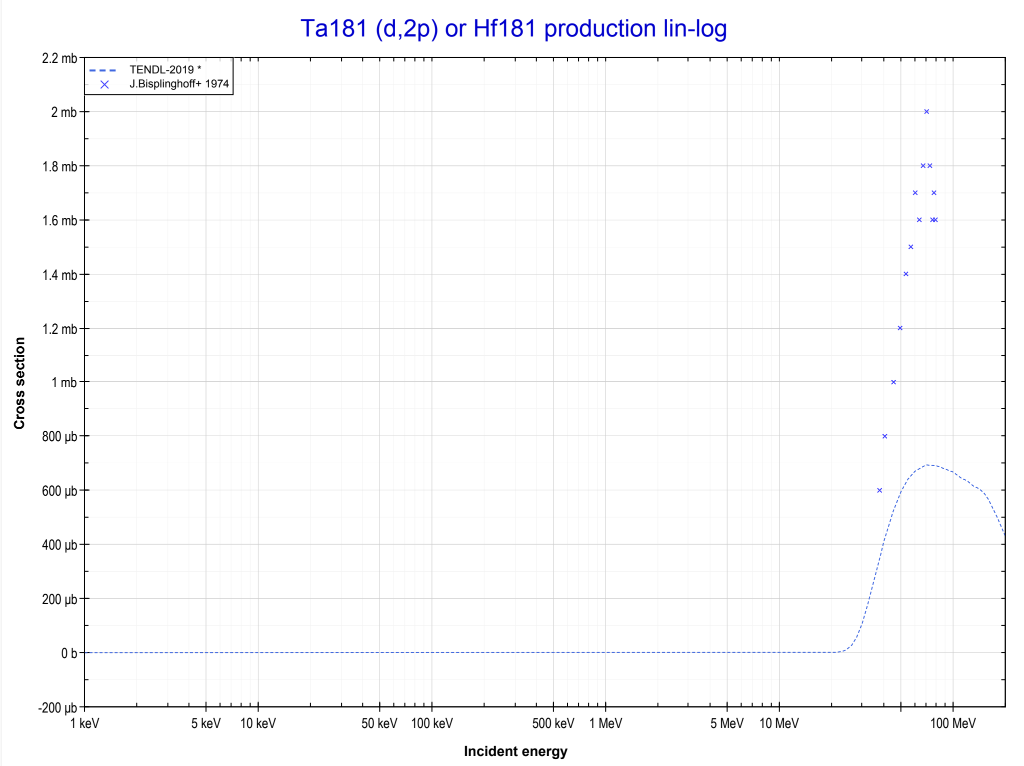
<< 72-Hf-180	**73-Ta-181**	74-W-184 >>
<< MT44 (d,n+2p)	**MT103 (d,p) or MT5 (Ta182 production)**	MT111 (d,2p) >>



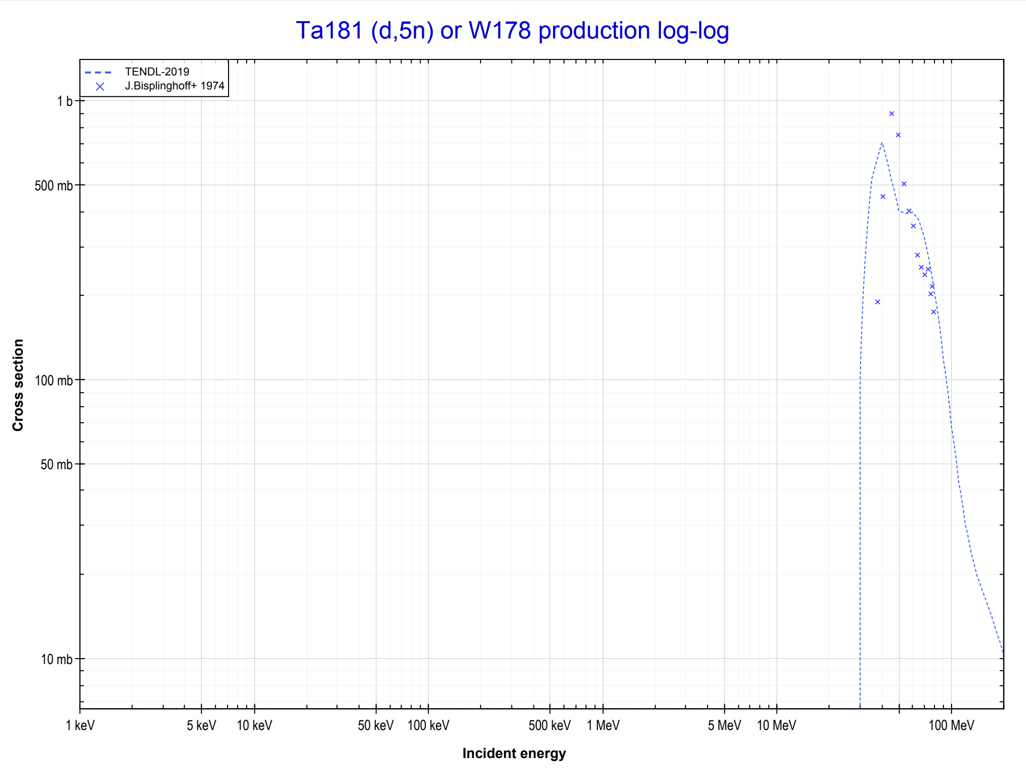


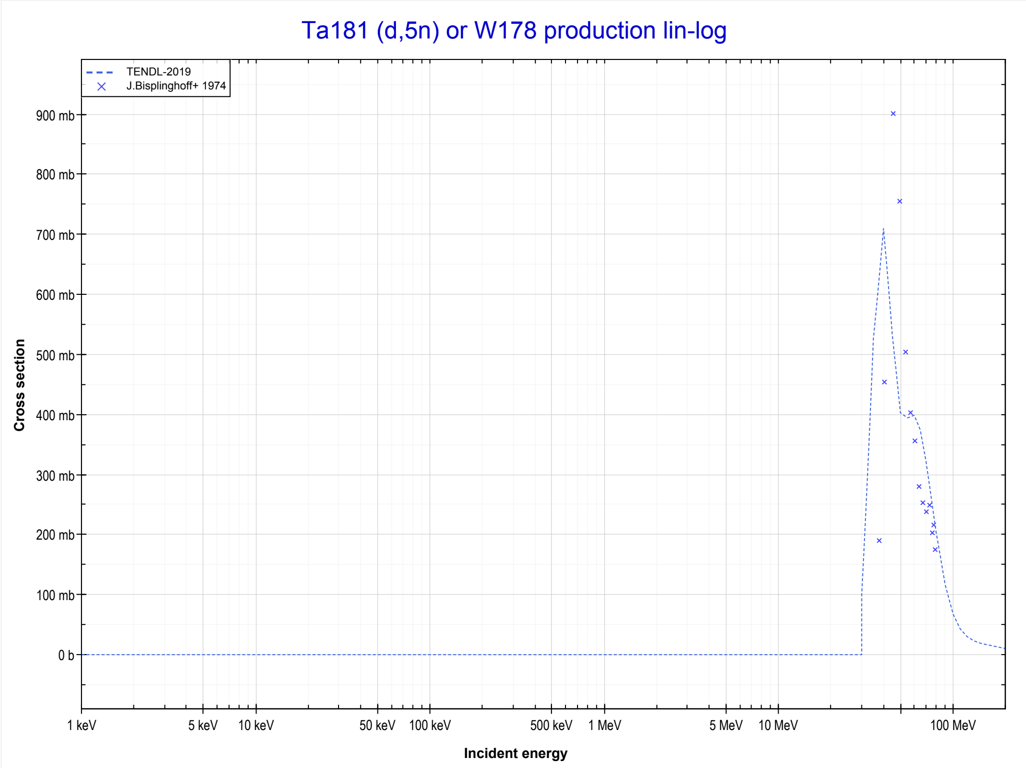
Reaction	Q-Value
Ta181(d,p)Ta182	3838.35 keV





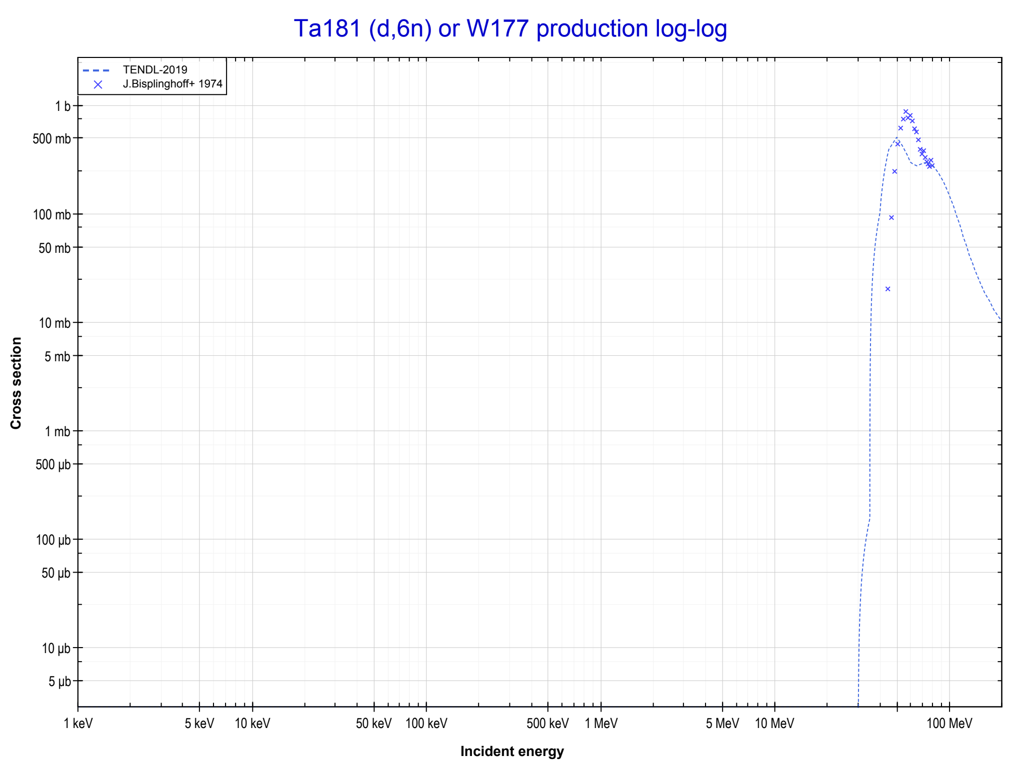
Reaction	Q-Value
Ta181(d,2p)Hf181	-2477.72 keV

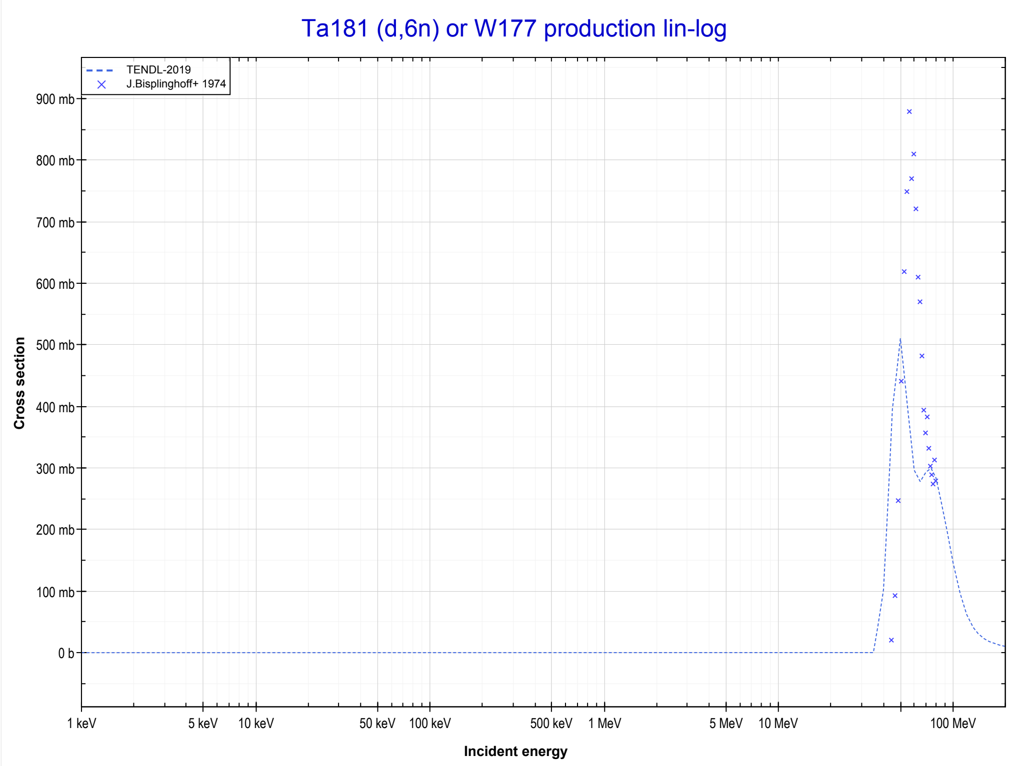




Reaction	Q-Value
Ta181(d,5n)W178	-25252.16 keV

<< 67-Ho-165	**73-Ta-181**	79-Au-197 >>
<< MT152 (d,5n)	**MT153 (d,6n) or MT5 (W177 production)**	MT156 (d,4n+p) >>

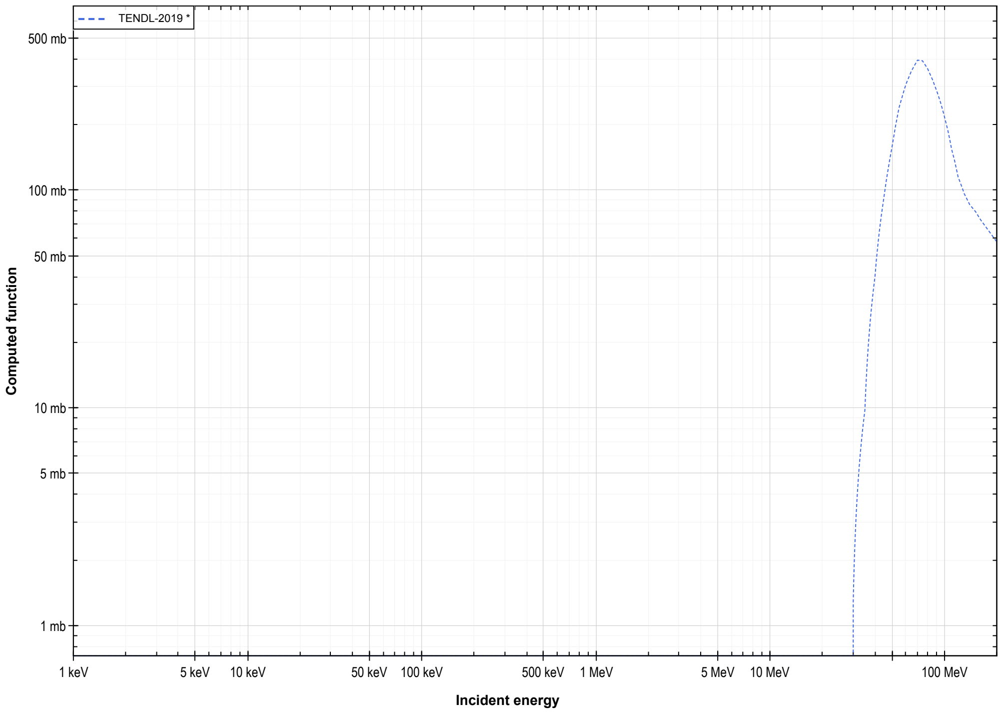




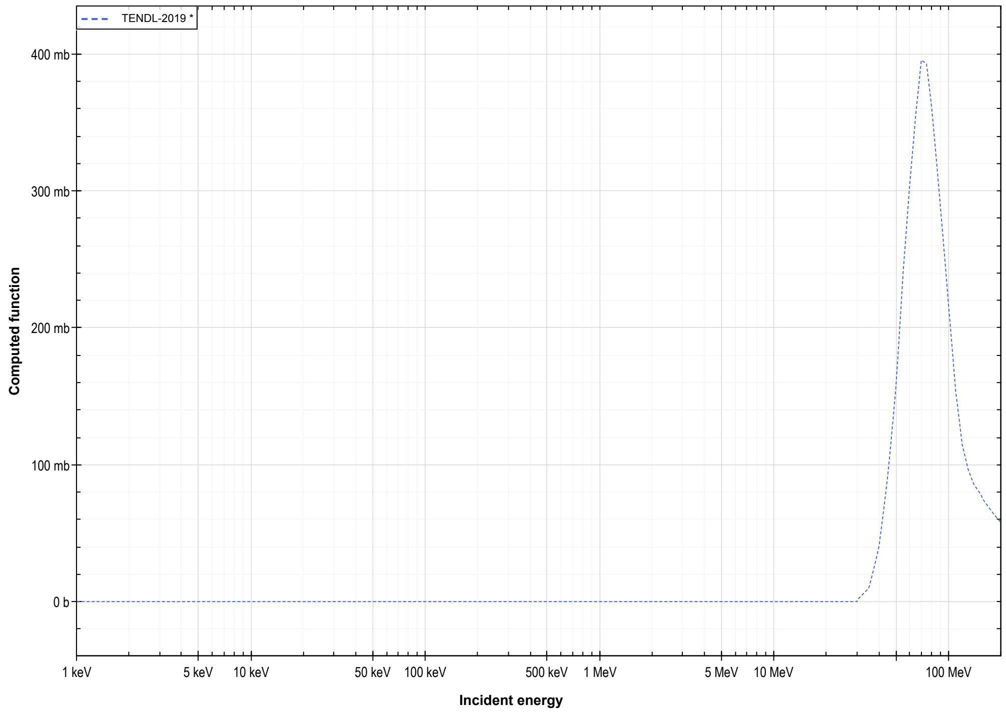
Reaction	Q-Value
Ta181(d,6n)W177	-34028.48 keV

<< 53-I-127	**73-Ta-181**	79-Au-197 >>
<< MT153 (d,6n)	**MT156 (d,4n+p) or MT5 (Ta178 production)**	MT160 (d,7n) >>

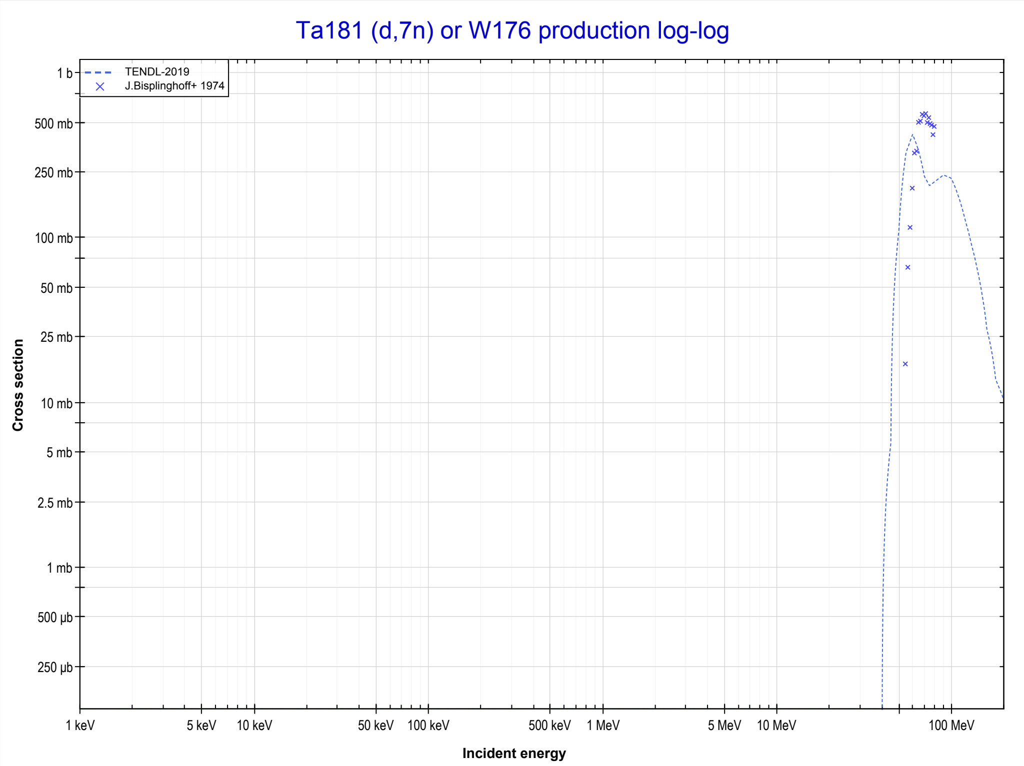
Ta181 (d,4n+p) or Ta178 production log-log

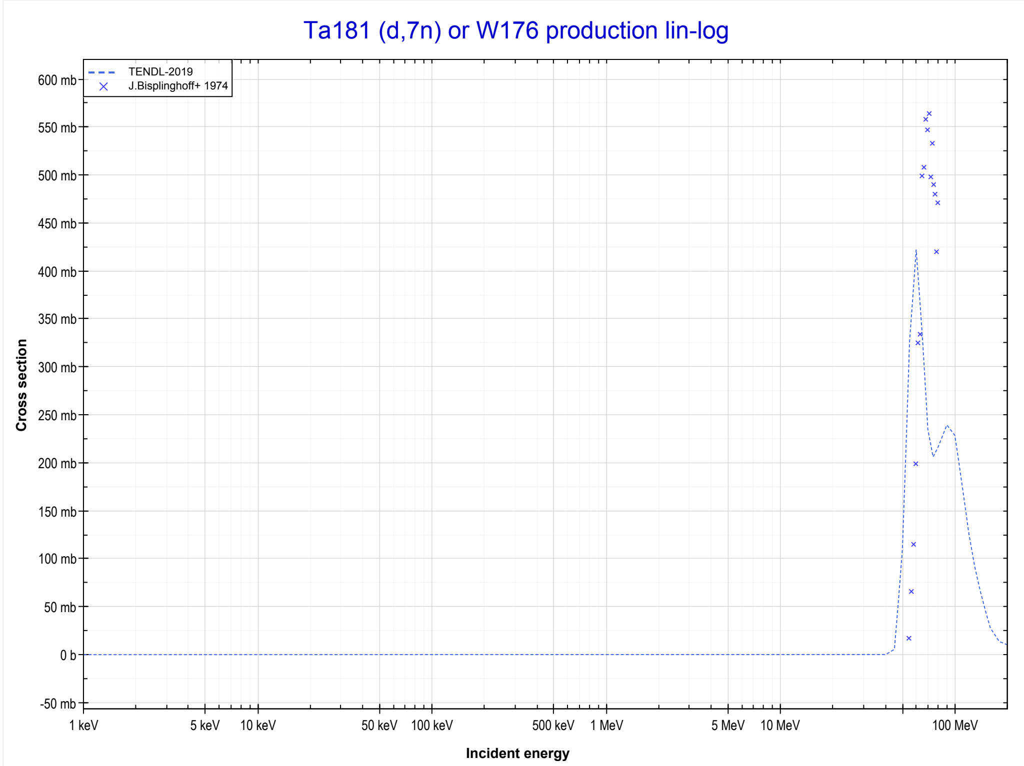


Ta181 (d,4n+p) or Ta178 production lin-log



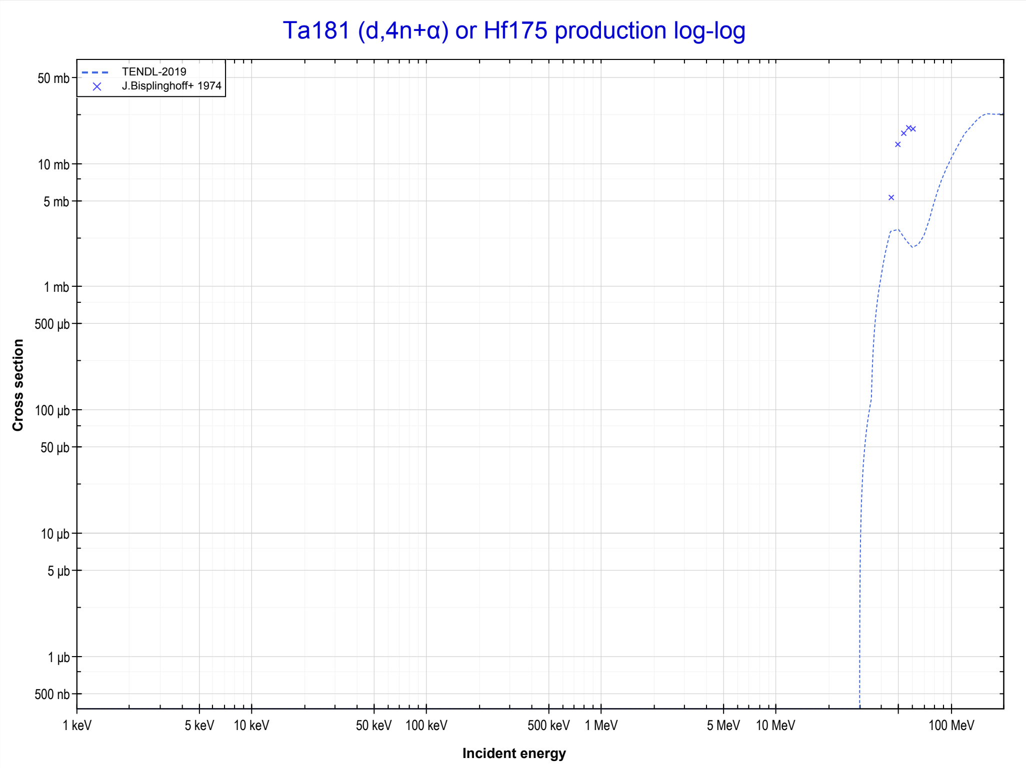
Reaction	Q-Value
Ta181(d,2n+t)Ta178	-15795.02 keV
Ta181(d,3n+d)Ta178	-22052.25 keV
Ta181(d,4n+p)Ta178	-24276.82 keV

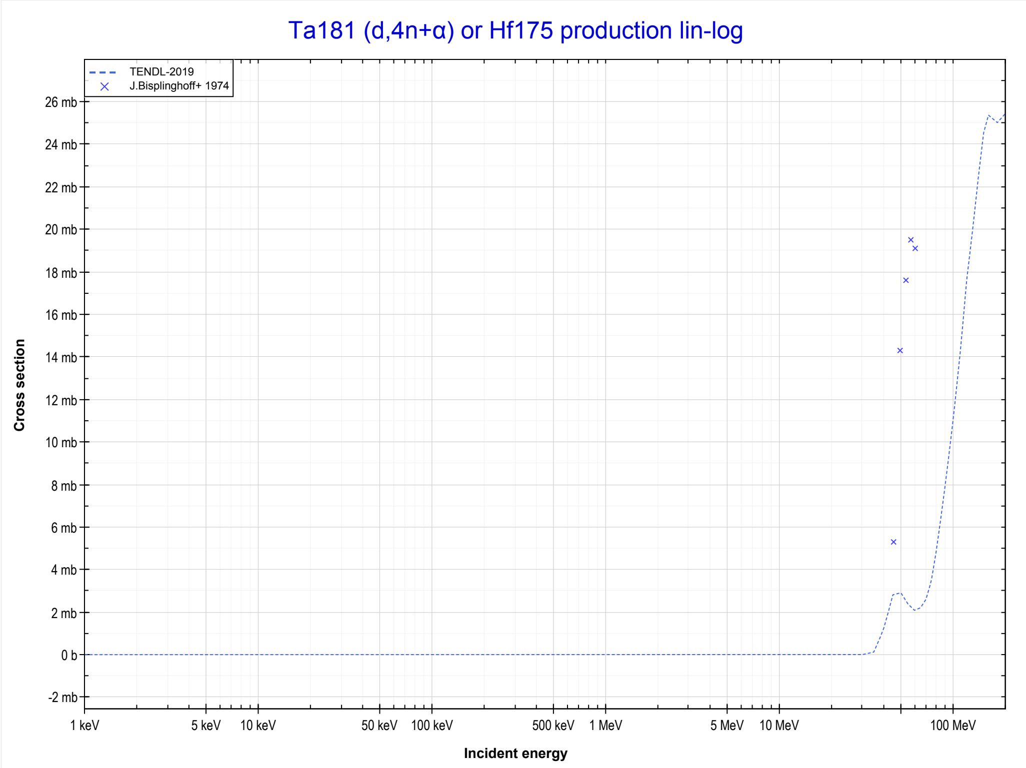




Reaction	Q-Value
Ta181(d,7n)W176	-41159.80 keV

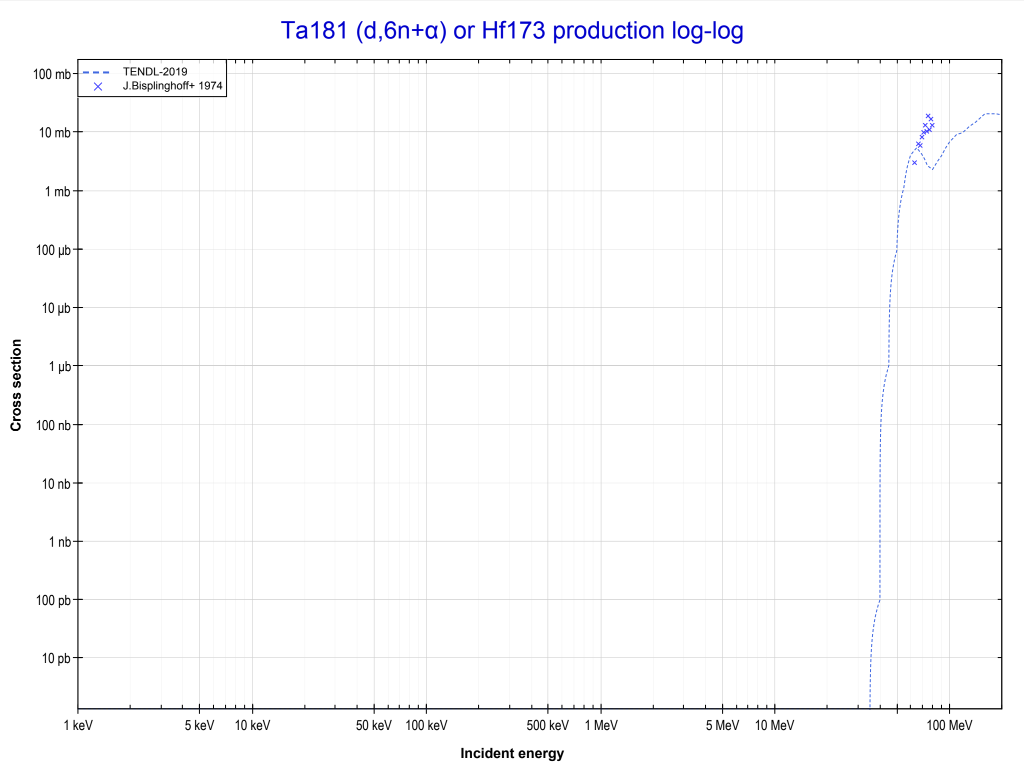
<< 59-Pr-141	**73-Ta-181**	
<< MT160 (d,7n)	**MT165 (d,4n+α) or MT5 (Hf175 production)**	MT167 (d,6n+α) >>

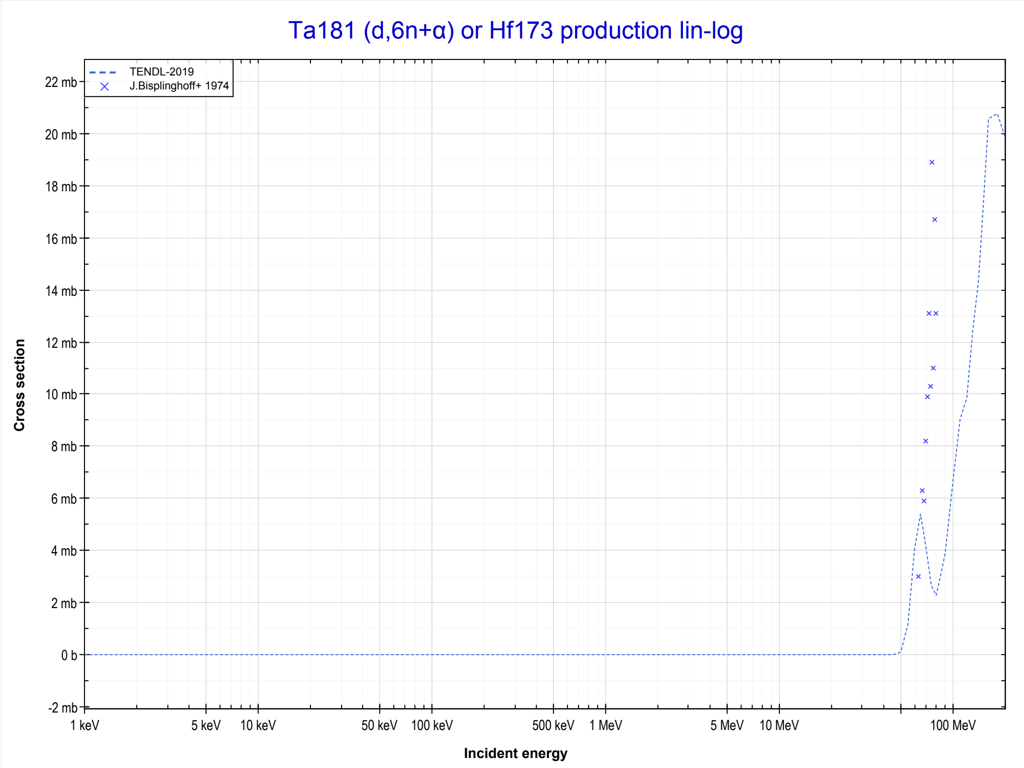




Reaction	Q-Value
Ta181(d,4n+α)Hf175	-15531.06 keV
Ta181(d,2n+2t)Hf175	-26863.13 keV
Ta181(d,3n+d+t)Hf175	-33120.36 keV
Ta181(d,4n+p+t)Hf175	-35344.93 keV
Ta181(d,5n+He3)Hf175	-36108.68 keV
Ta181(d,4n+2d)Hf175	-39377.59 keV
Ta181(d,5n+p+d)Hf175	-41602.16 keV
Ta181(d,6n+2p)Hf175	-43826.72 keV

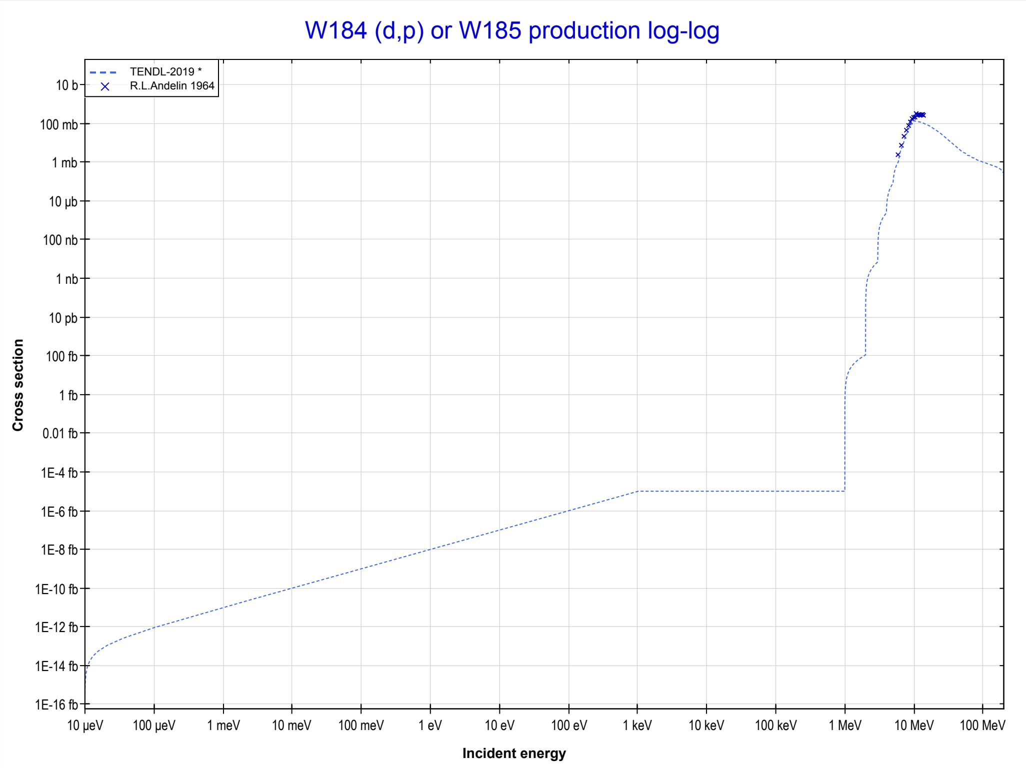
<< MT165 (d,4n+α)	73-Ta-181 MT167 (d,6n+α) or MT5 (Hf173 production)	74-W-184 MT103 (d,p) >>

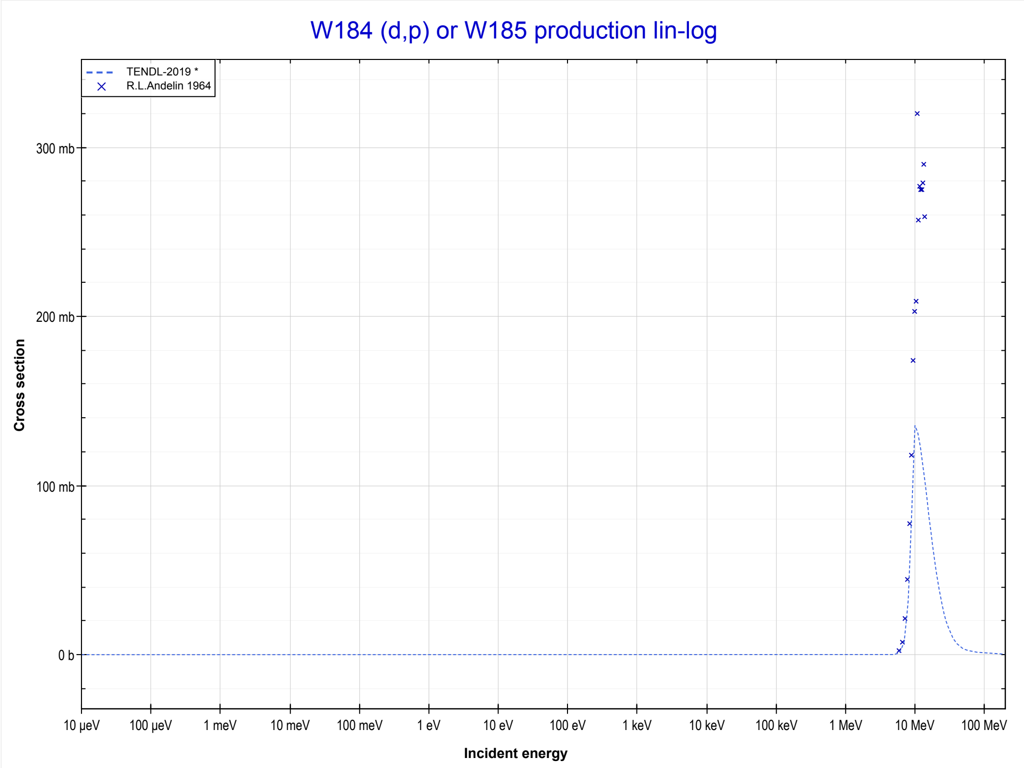




Reaction	Q-Value
Ta181(d,6n+α)Hf173	-30743.40 keV
Ta181(d,4n+2t)Hf173	-42075.47 keV
Ta181(d,5n+d+t)Hf173	-48332.70 keV
Ta181(d,6n+p+t)Hf173	-50557.26 keV
Ta181(d,7n+He3)Hf173	-51321.02 keV
Ta181(d,6n+2d)Hf173	-54589.92 keV
Ta181(d,7n+p+d)Hf173	-56814.49 keV
Ta181(d,8n+2p)Hf173	-59039.06 keV

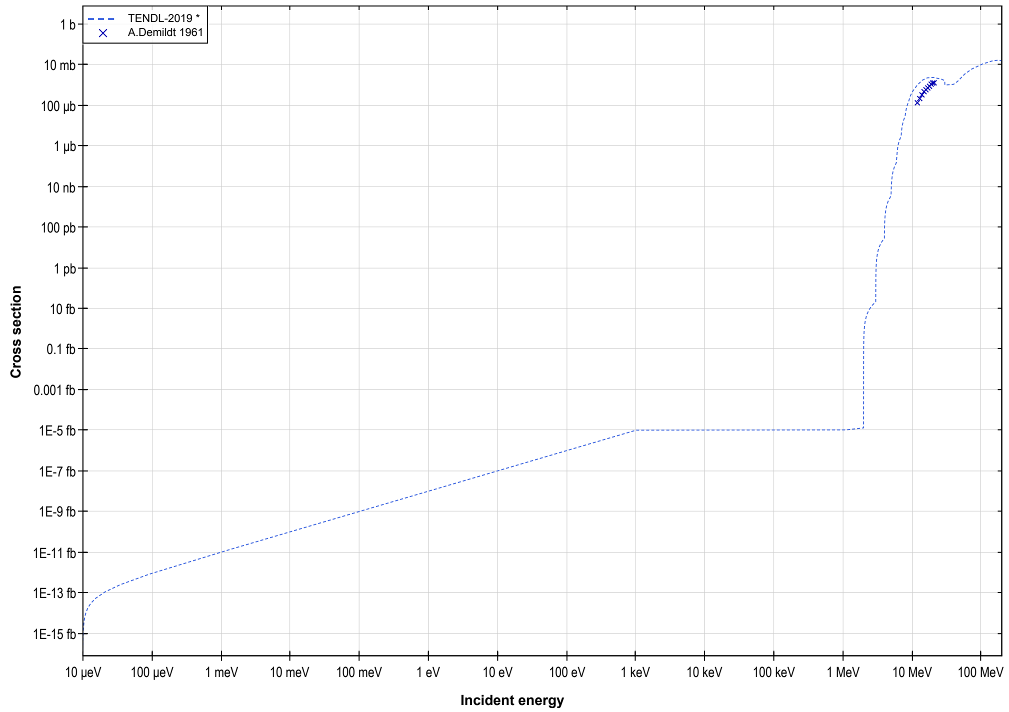
<< 73-Ta-181	**74-W-184**	74-W-186 >>
<< 73-Ta-181 MT167 (d,6n+α)	**MT103 (d,p) or MT5 (W185 production)**	MT107 (d,α) >>



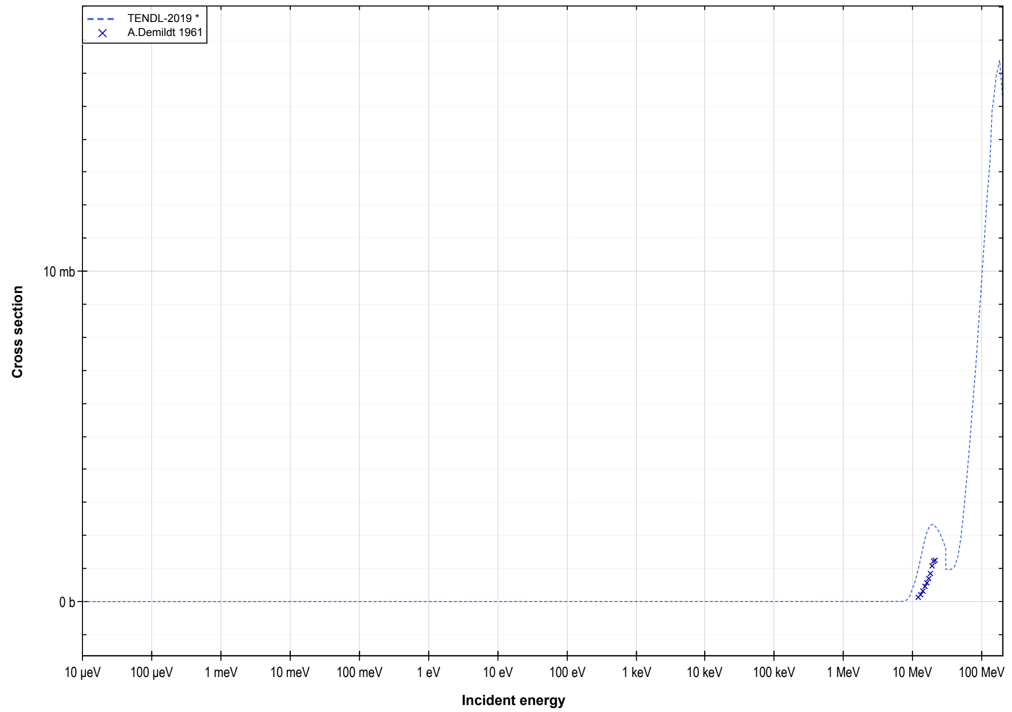


Reaction	Q-Value
W184(d,p)W185	3529.15 keV

W184 (d,α) or Ta182 production log-log

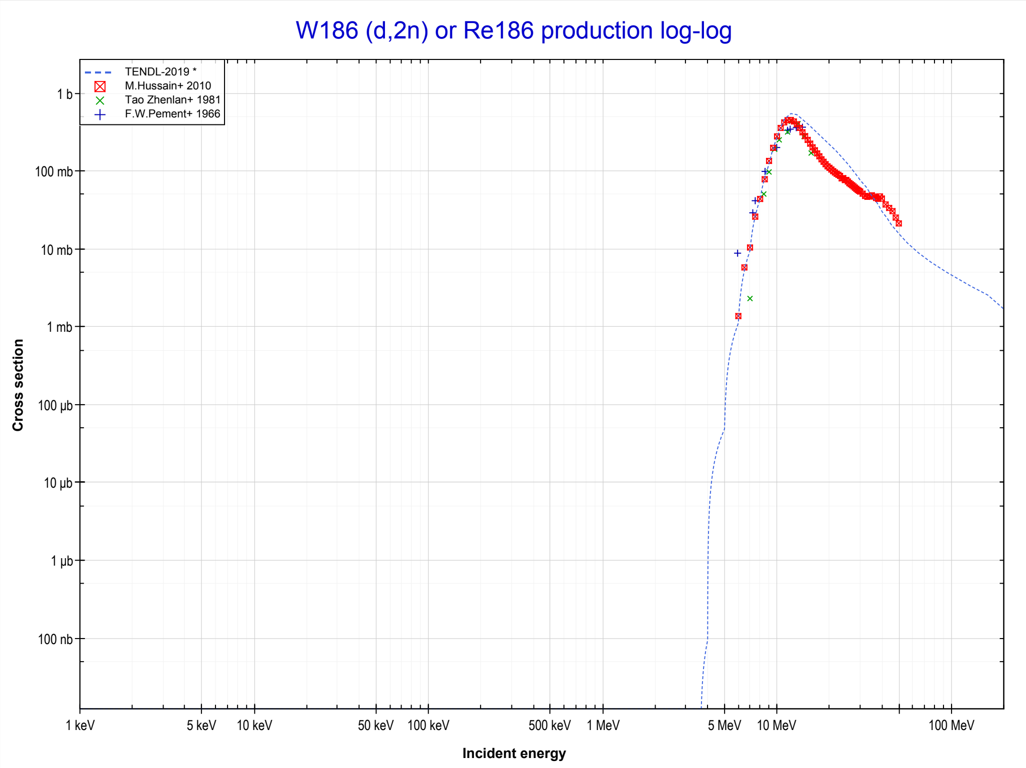


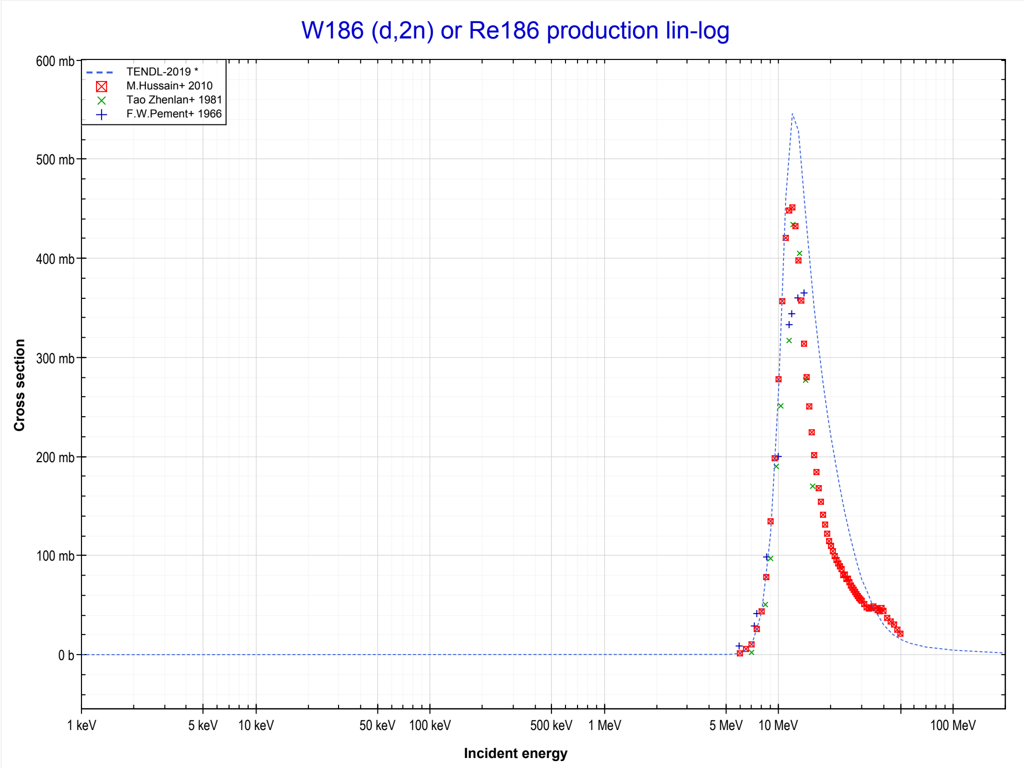
W184 (d,α) or Ta182 production lin-log



Reaction	Q-Value
W184(d,α)Ta182	11435.31 keV
W184(d,p+t)Ta182	-8378.56 keV
W184(d,n+He3)Ta182	-9142.31 keV
W184(d,2d)Ta182	-12411.22 keV
W184(d,n+p+d)Ta182	-14635.79 keV
W184(d,2n+2p)Ta182	-16860.35 keV

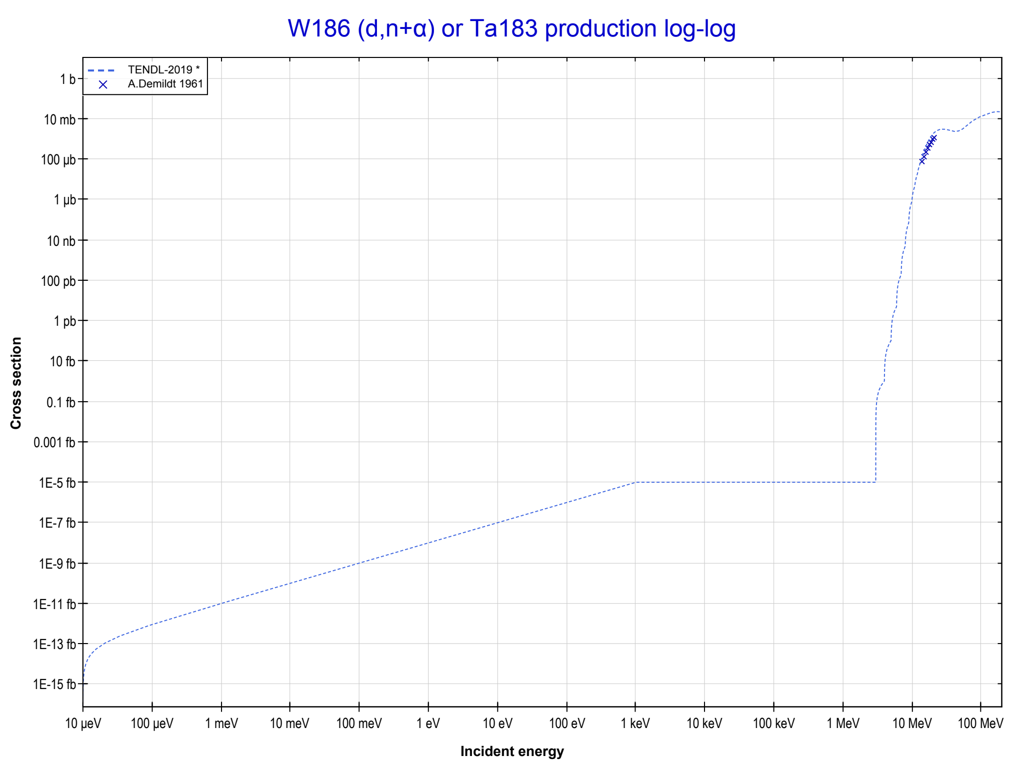
<< 73-Ta-181	**74-W-186**	76-Os-192 >>
<< 74-W-184 MT107 (d,α)	**MT16 (d,2n) or MT5 (Re186 production)**	MT22 (d,n+α) >>

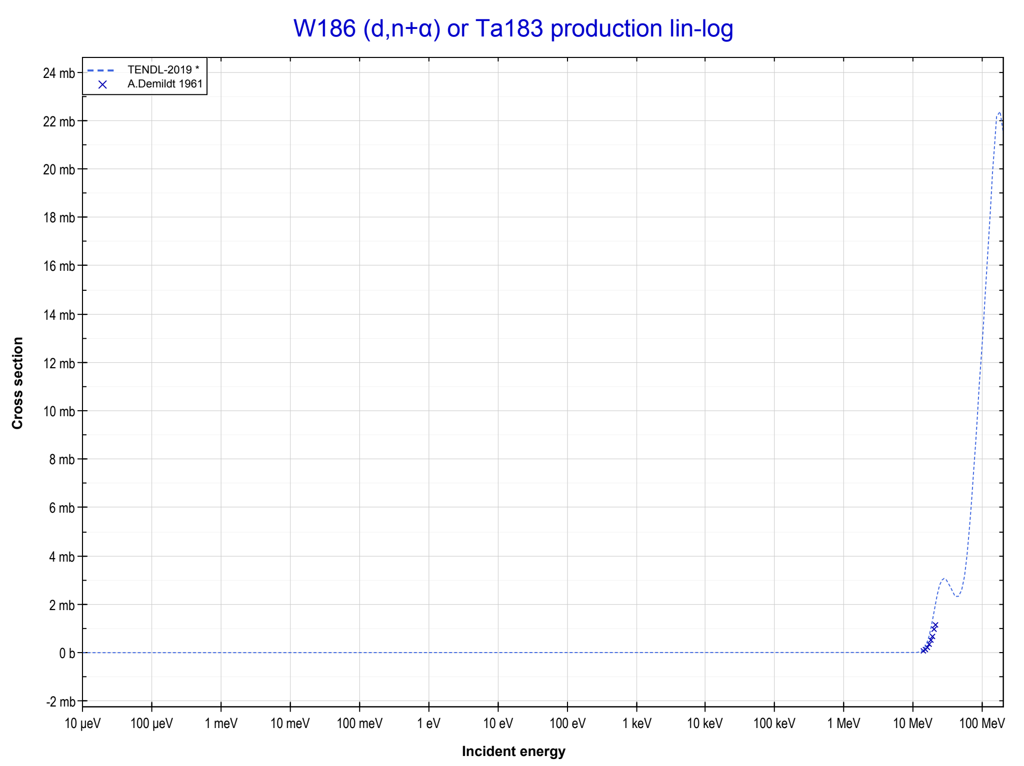




Reaction	Q-Value
W186(d,2n)Re186	-3588.31 keV

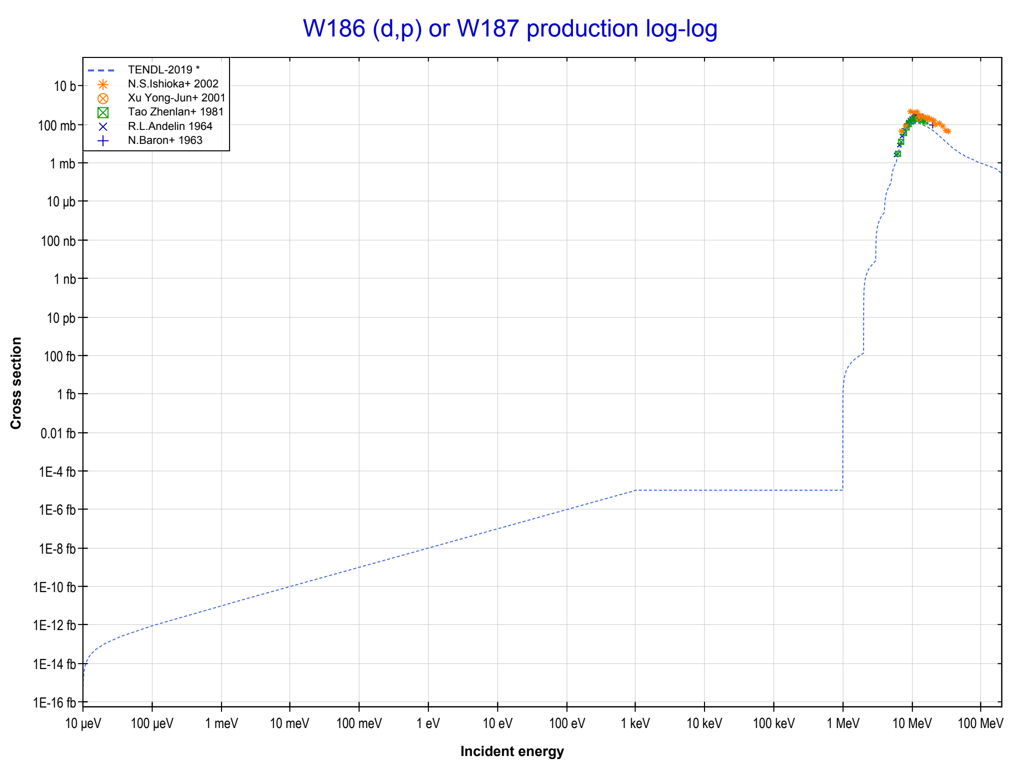
<< 48-Cd-114	**74-W-186**	92-U-233 >>
<< MT16 (d,2n)	**MT22 (d,n+α) or MT5 (Ta183 production)**	MT103 (d,p) >>

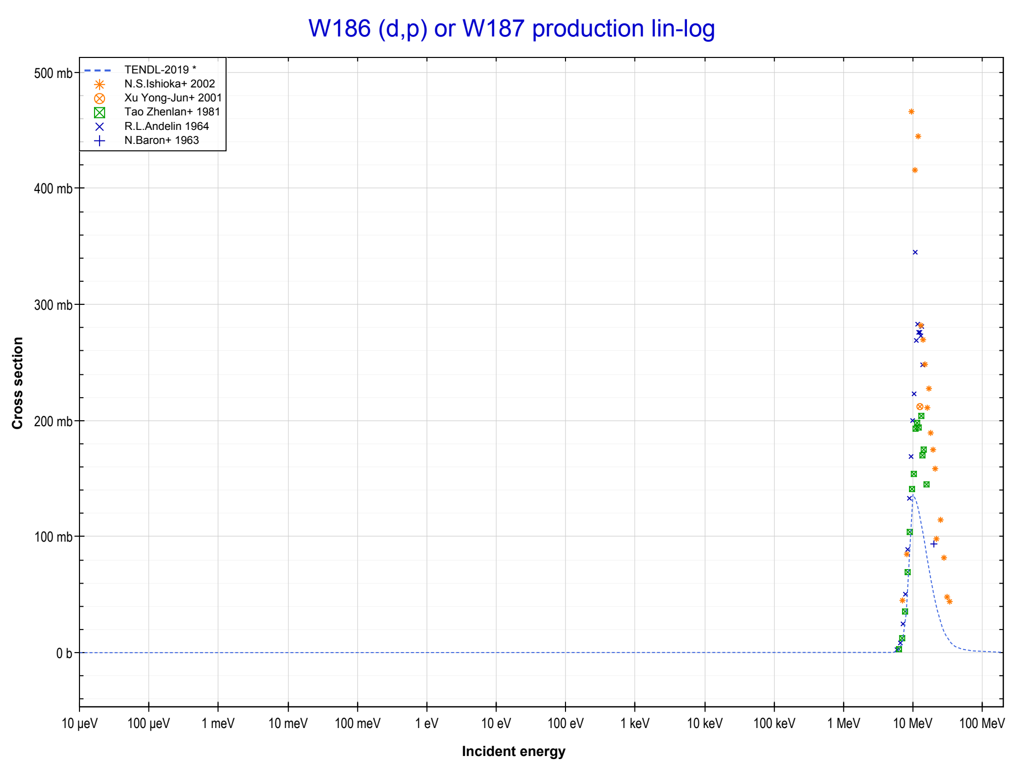




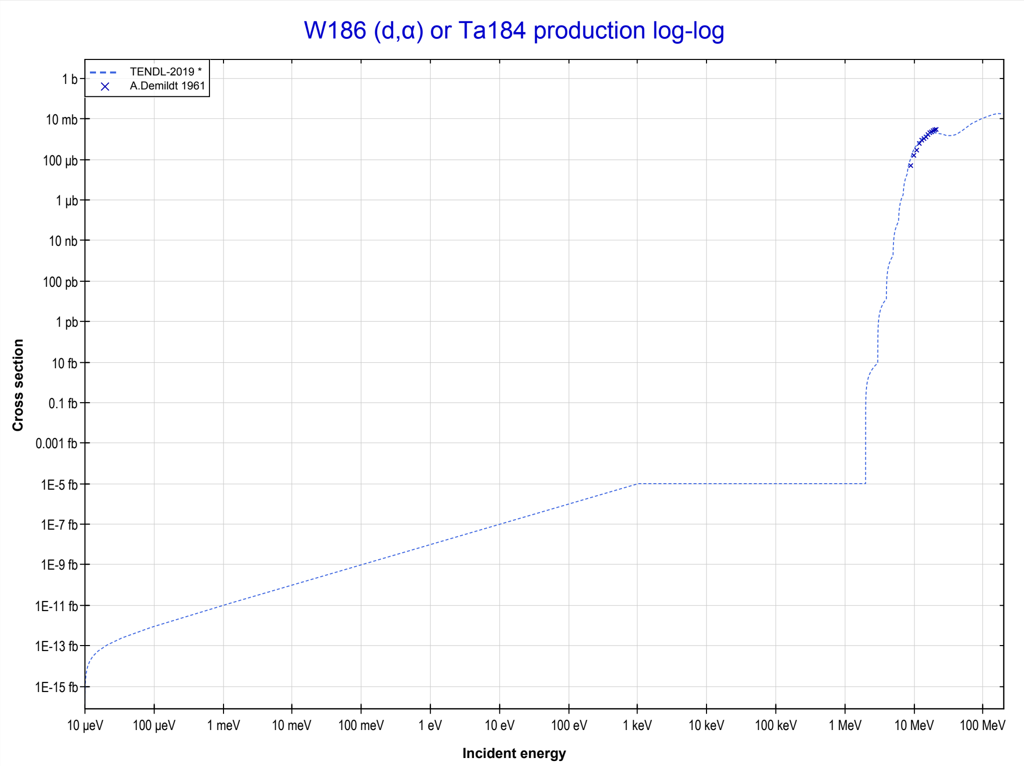
Reaction	Q-Value
W186(d,n+α)Ta183	5423.79 keV
W186(d,d+t)Ta183	-12165.51 keV
W186(d,n+p+t)Ta183	-14390.08 keV
W186(d,2n+He3)Ta183	-15153.83 keV
W186(d,n+2d)Ta183	-18422.74 keV
W186(d,2n+p+d)Ta183	-20647.30 keV
W186(d,3n+2p)Ta183	-22871.87 keV

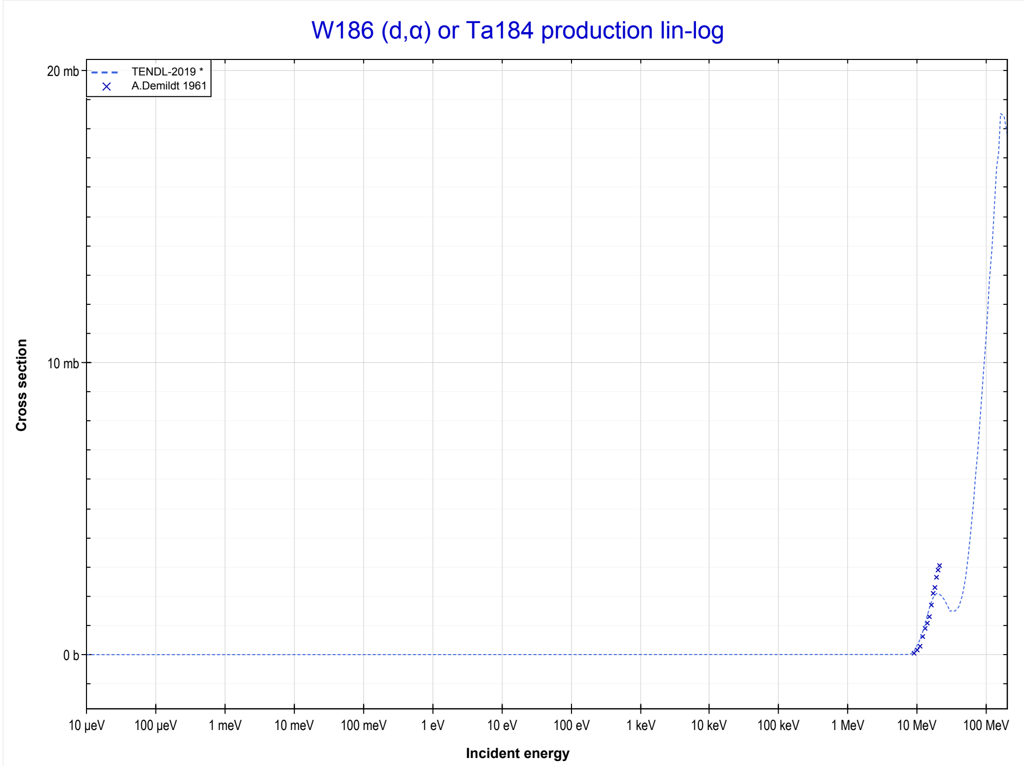
<< 74-W-184	**74-W-186**	75-Re-187 >>
<< MT22 (d,n+α)	**MT103 (d,p) or MT5 (W187 production)**	MT107 (d,α) >>





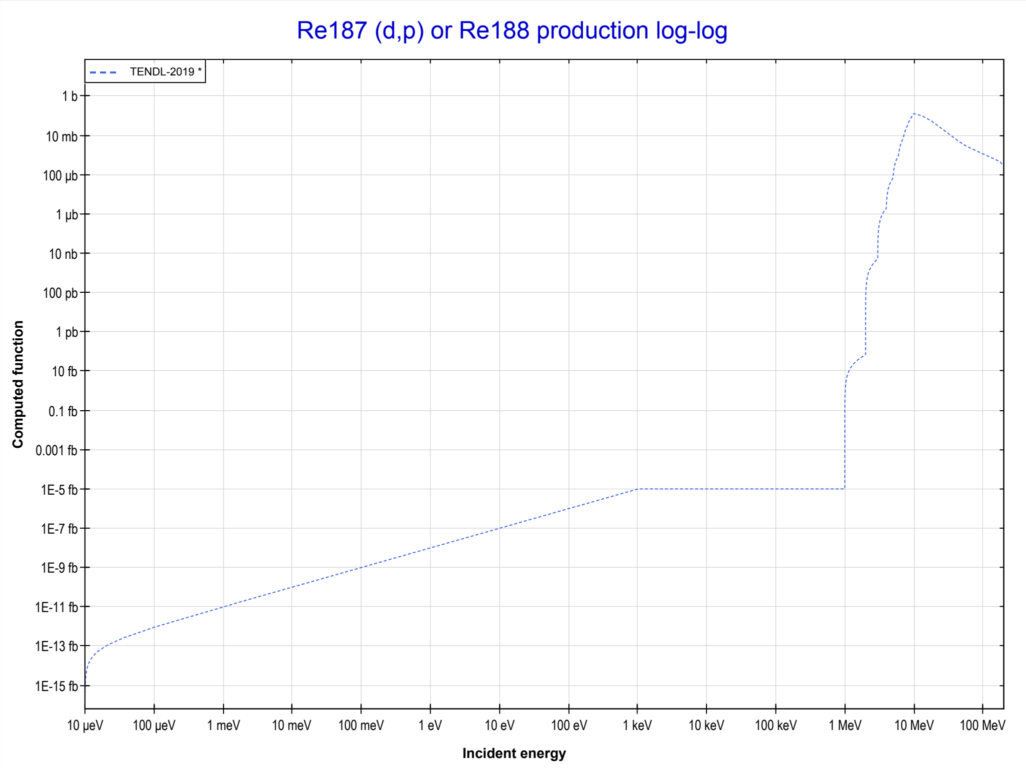
Reaction	Q-Value
W186(d,p)W187	3242.25 keV

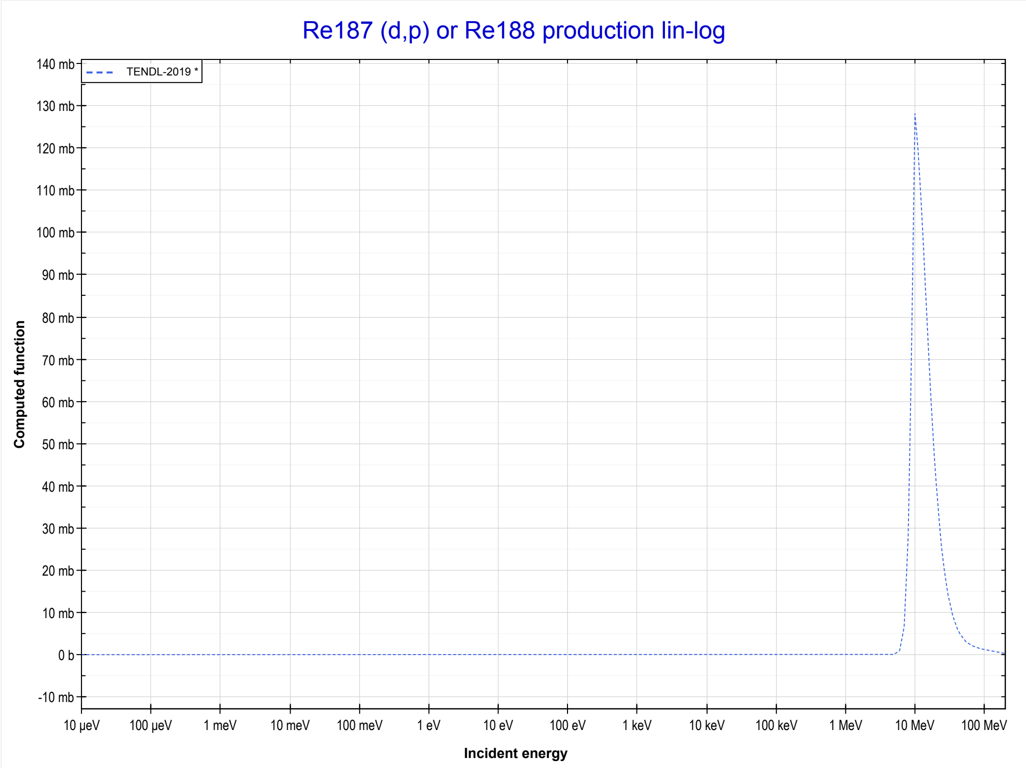




Reaction	Q-Value
W186(d,α)Ta184	11041.31 keV
W186(d,p+t)Ta184	-8772.56 keV
W186(d,n+He3)Ta184	-9536.31 keV
W186(d,2d)Ta184	-12805.22 keV
W186(d,n+p+d)Ta184	-15029.79 keV
W186(d,2n+2p)Ta184	-17254.35 keV

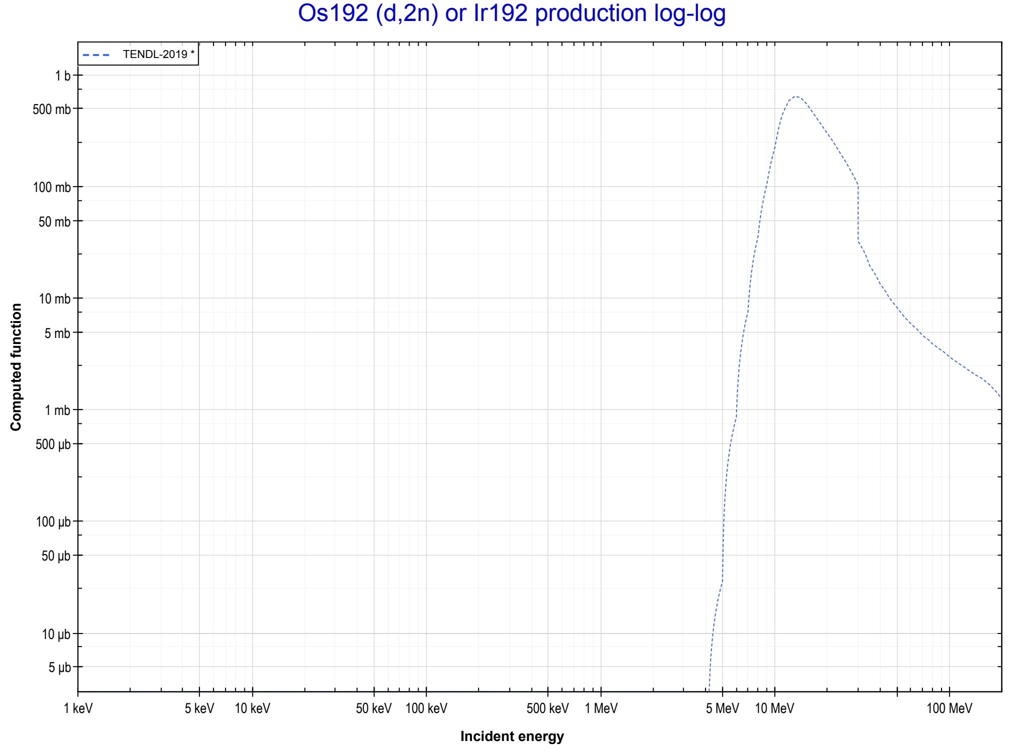
<< 74-W-186	**75-Re-187**	76-Os-192 >>
<< 74-W-186 MT107 (d,α)	**MT103 (d,p) or MT5 (Re188 production)**	76-Os-192 MT16 (d,2n) >>

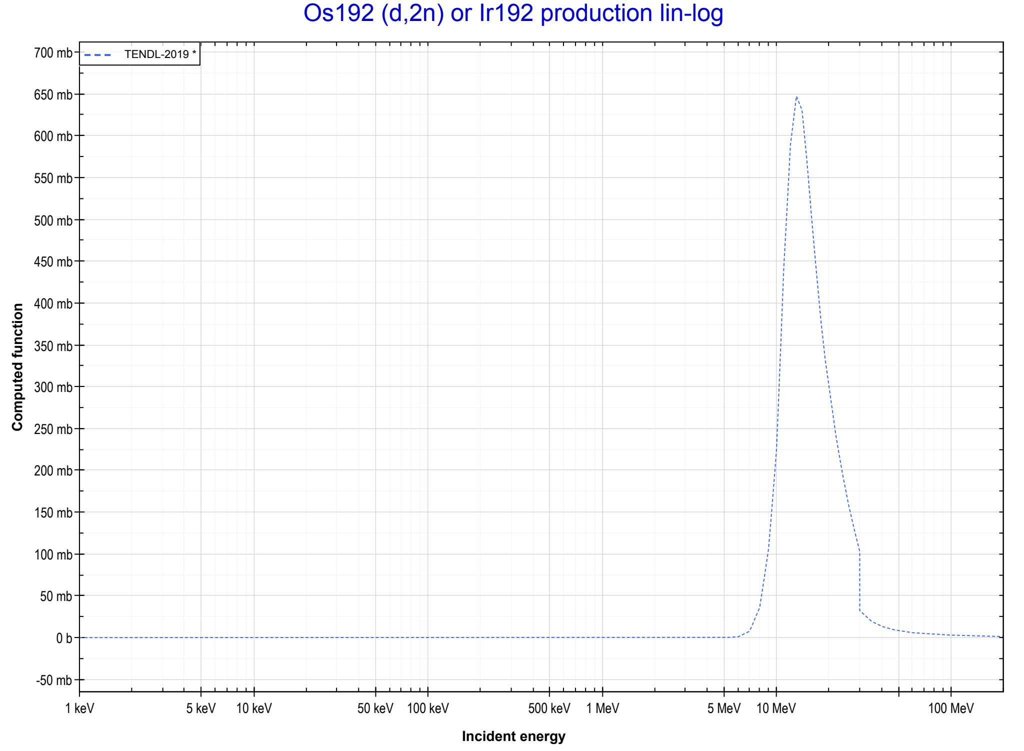




Reaction	Q-Value
Re187(d,p)Re188	3647.05 keV

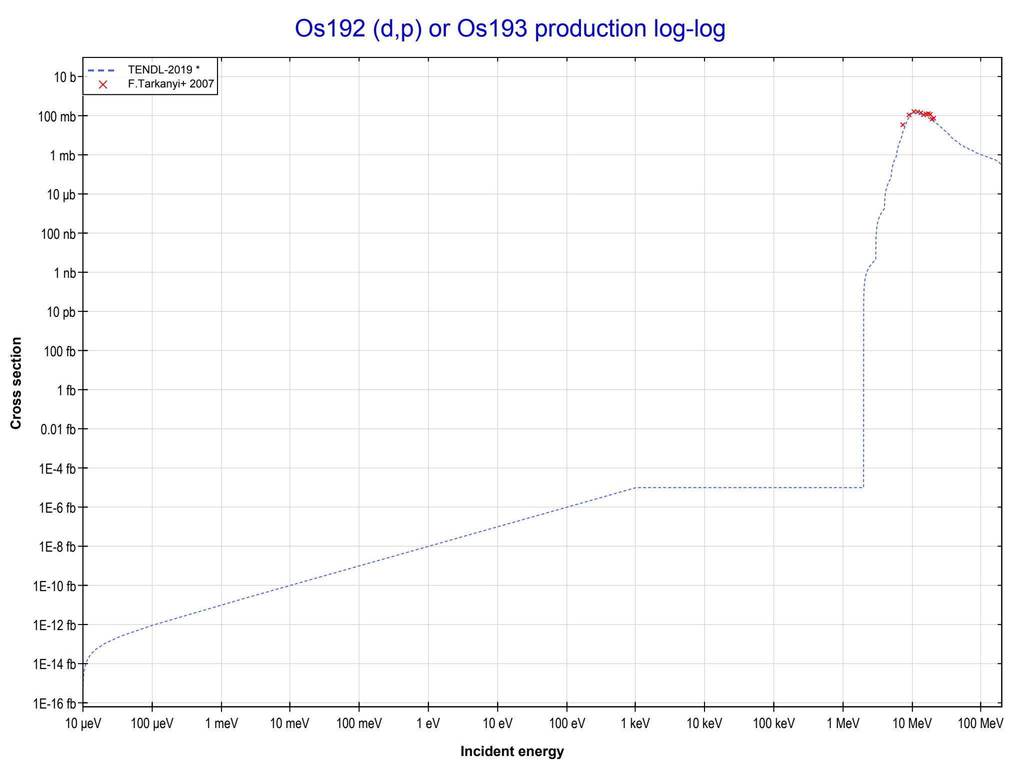
<< 74-W-186	**76-Os-192**	78-Pt-194 >>
<< 75-Re-187 MT103 (d,p)	**MT16 (d,2n) or MT5 (Ir192 production)**	MT103 (d,p) >>

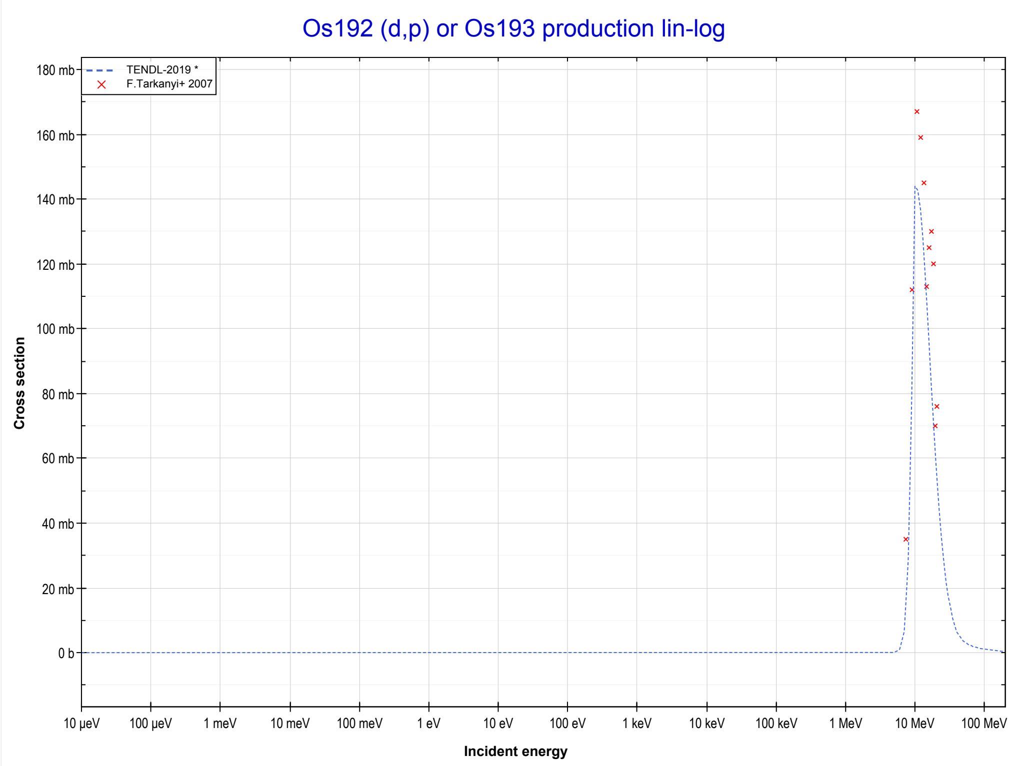




Reaction	Q-Value
Os192(d,2n)Ir192	-4053.51 keV

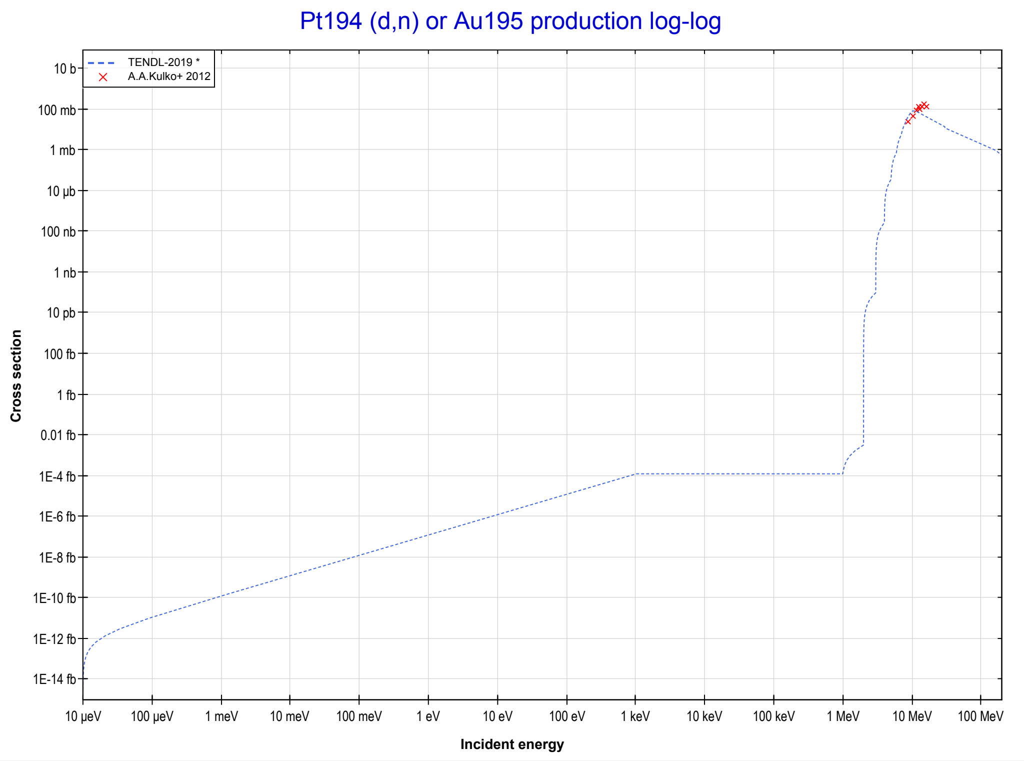
<< 75-Re-187	**76-Os-192**	78-Pt-194 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Os193 production)**	78-Pt-194 MT4 (d,n) >>

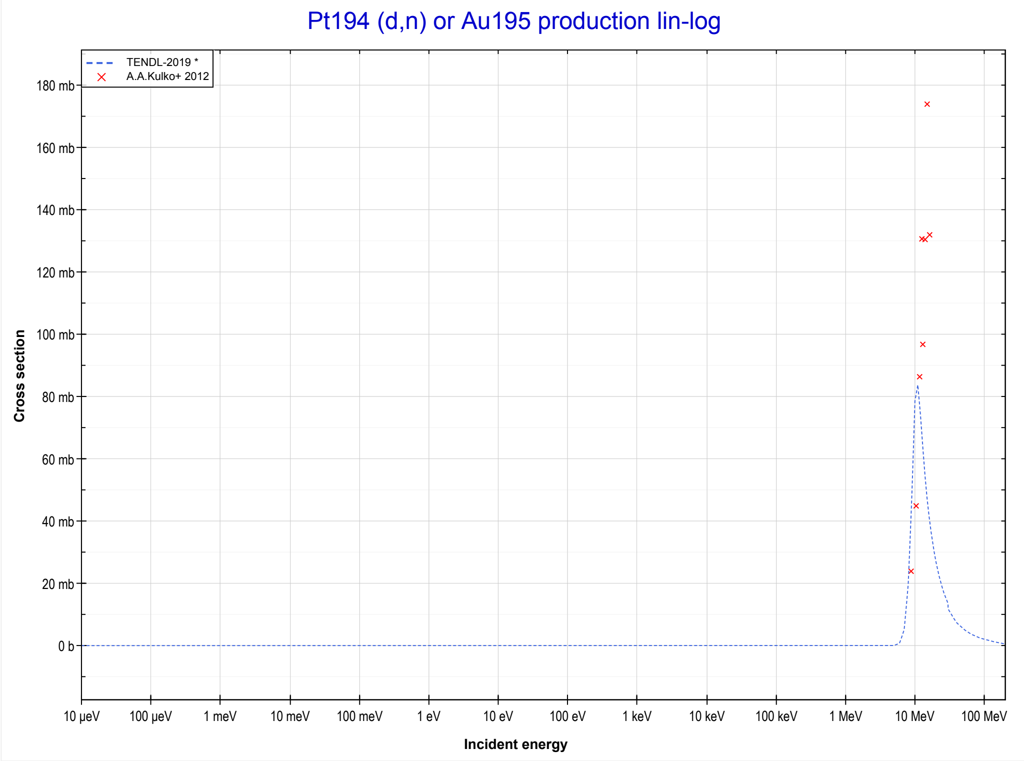




Reaction	Q-Value
Os192(d,p)Os193	3358.85 keV

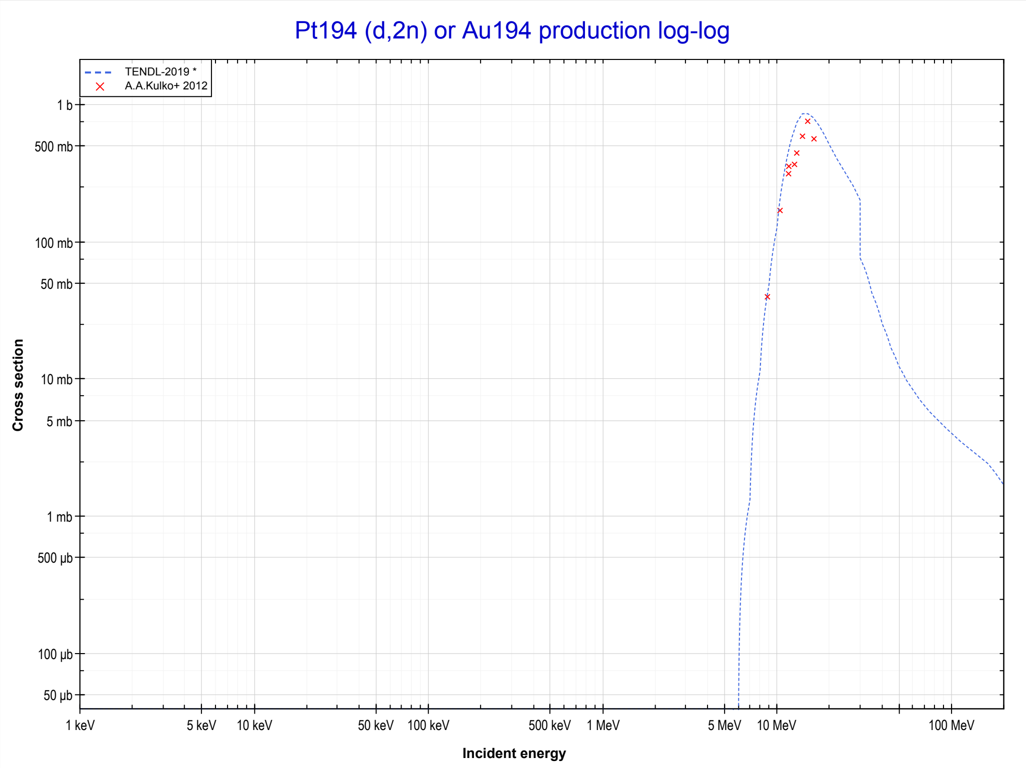
<< 70-Yb-176	**78-Pt-194**	78-Pt-198 >>
<< 76-Os-192 MT103 (d,p)	**MT4 (d,n) or MT5 (Au195 production)**	MT16 (d,2n) >>

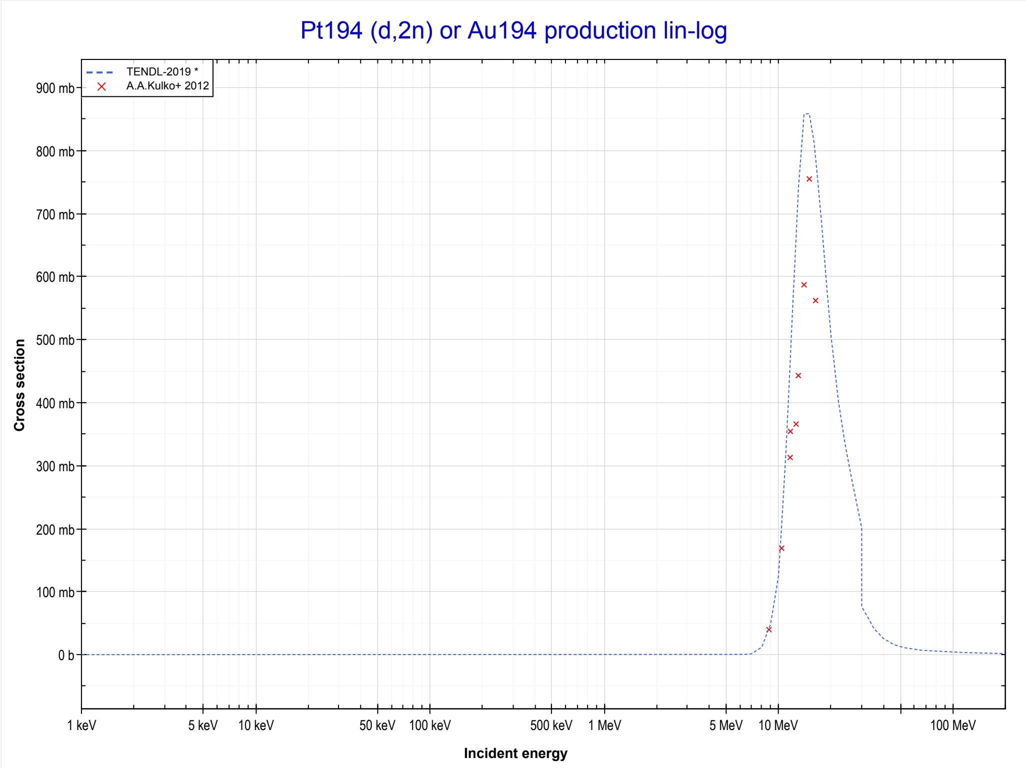




Reaction	Q-Value
Pt194(d,n)Au195	2871.30 keV

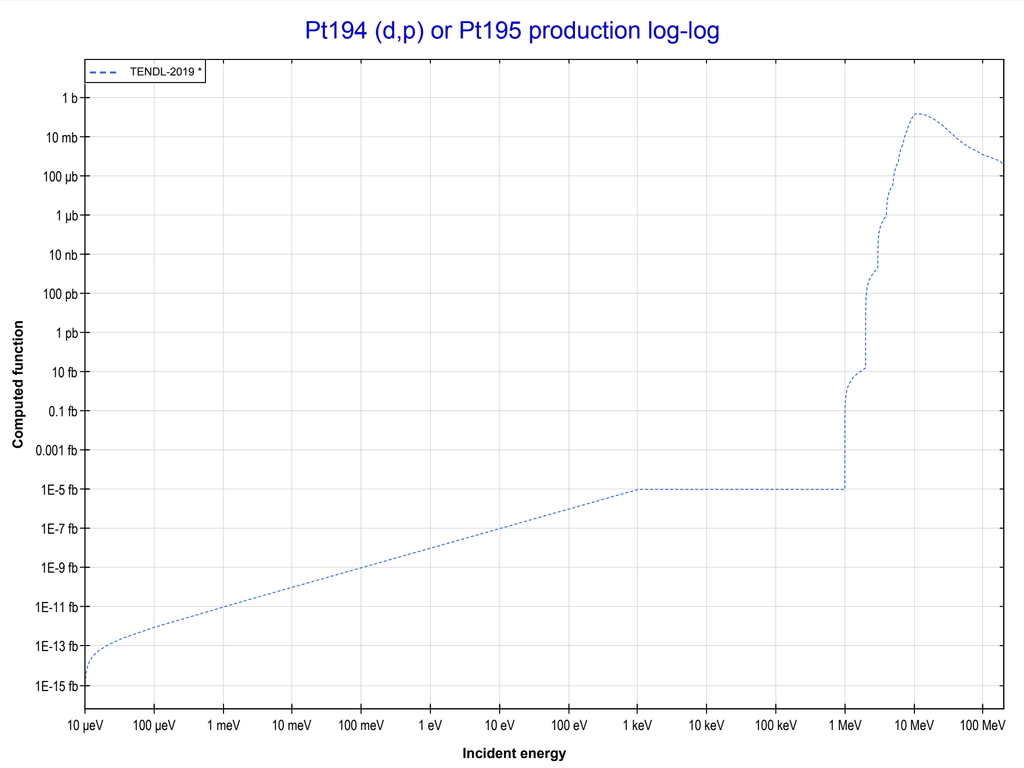
<< 76-Os-192	**78-Pt-194**	78-Pt-198 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Au194 production)**	MT103 (d,p) >>

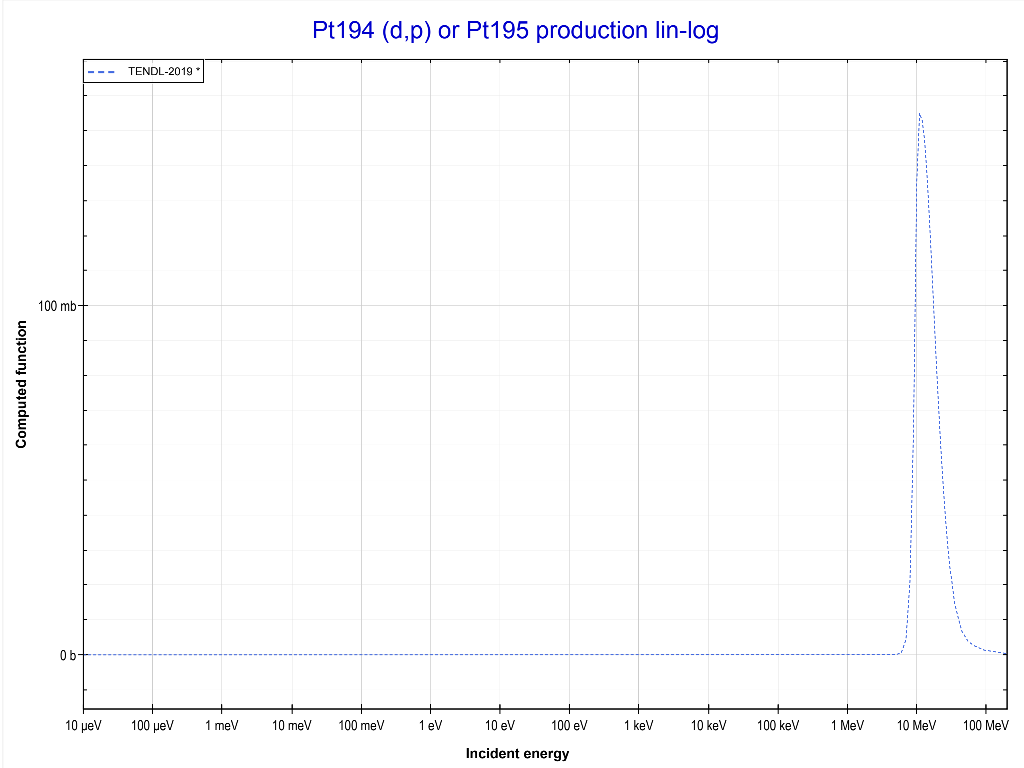




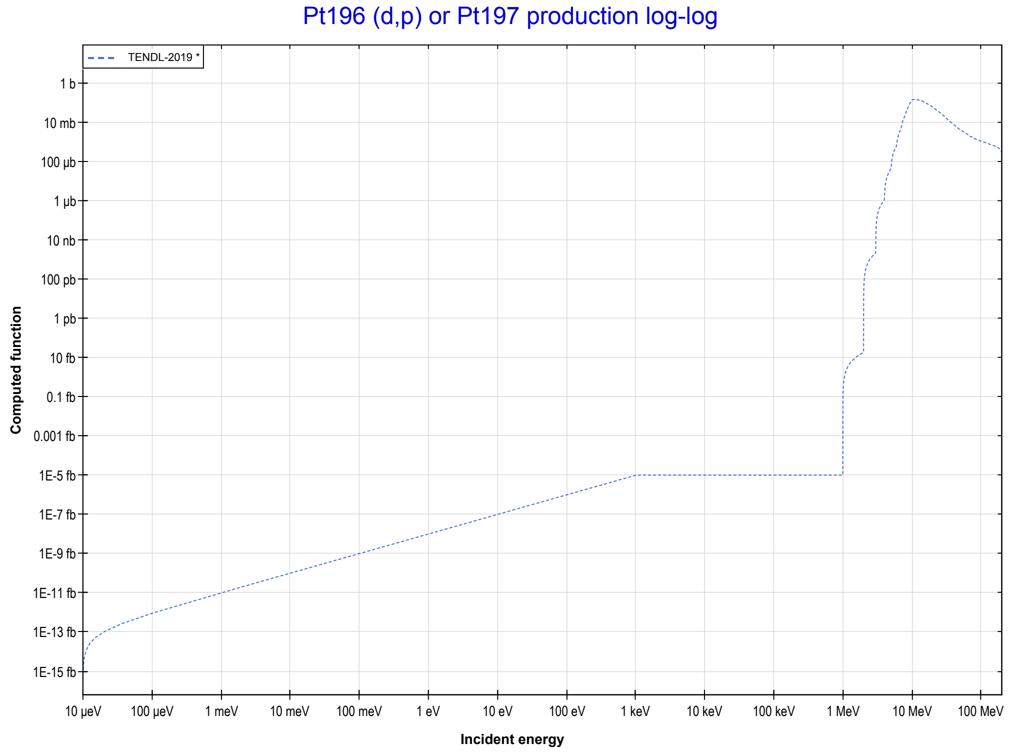
Reaction	Q-Value
Pt194(d,2n)Au194	-5555.11 keV

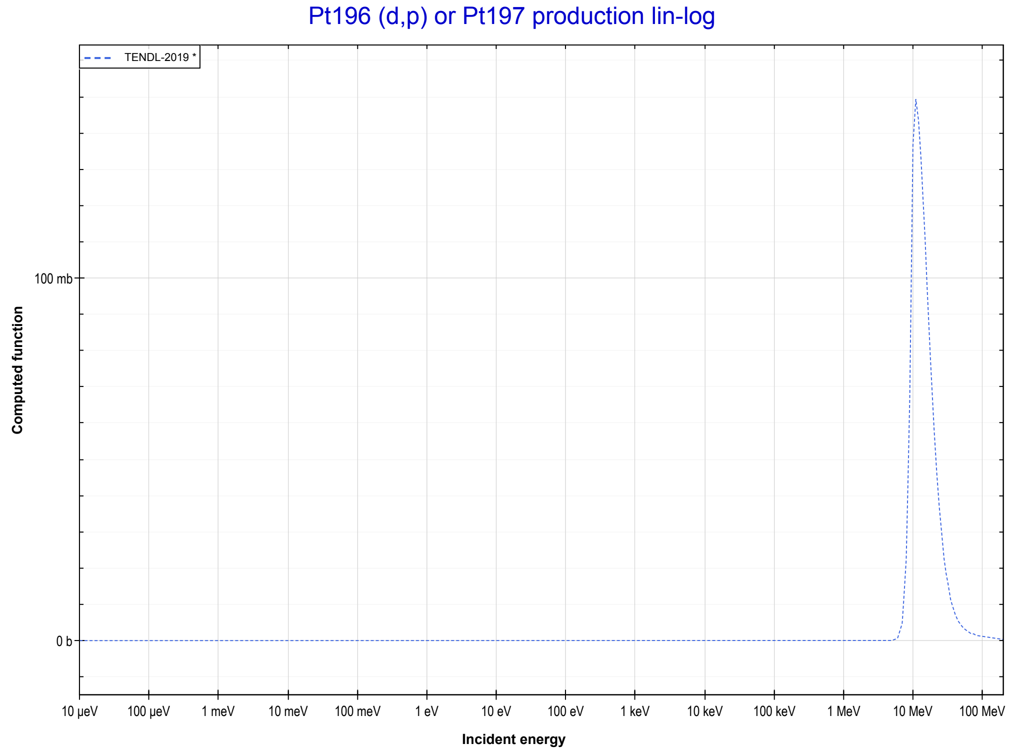
<< 76-Os-192	**78-Pt-194**	78-Pt-196 >>
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Pt195 production)**	78-Pt-196 MT103 (d,p) >>





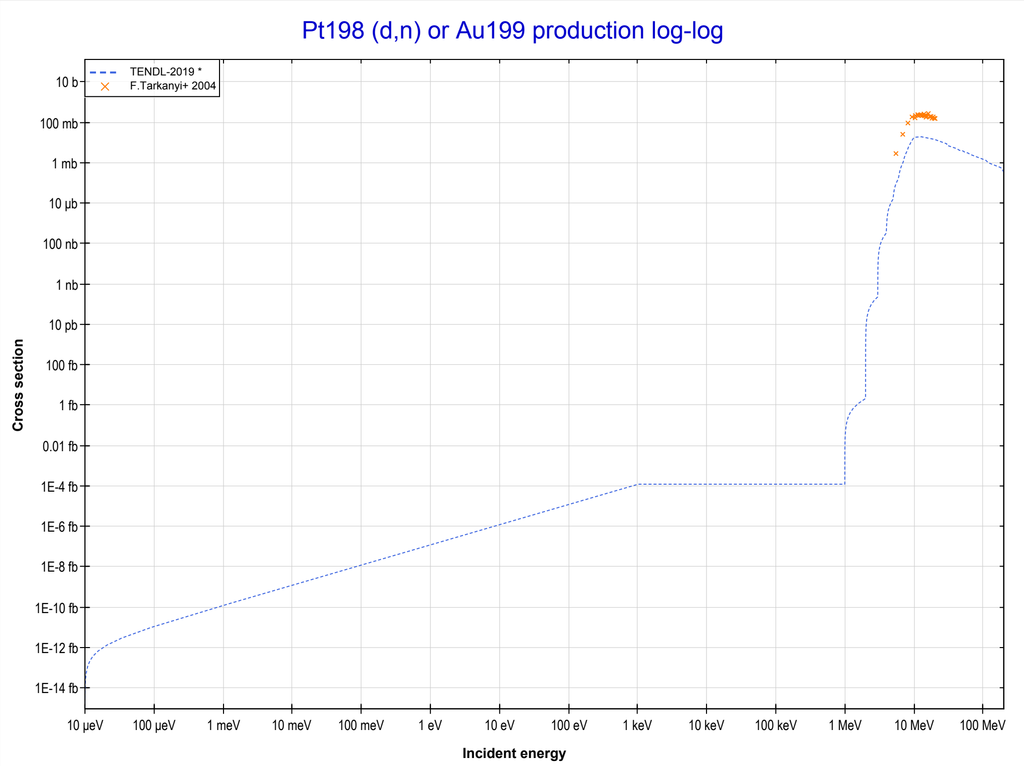
Reaction	Q-Value
Pt194(d,p)Pt195	3880.45 keV

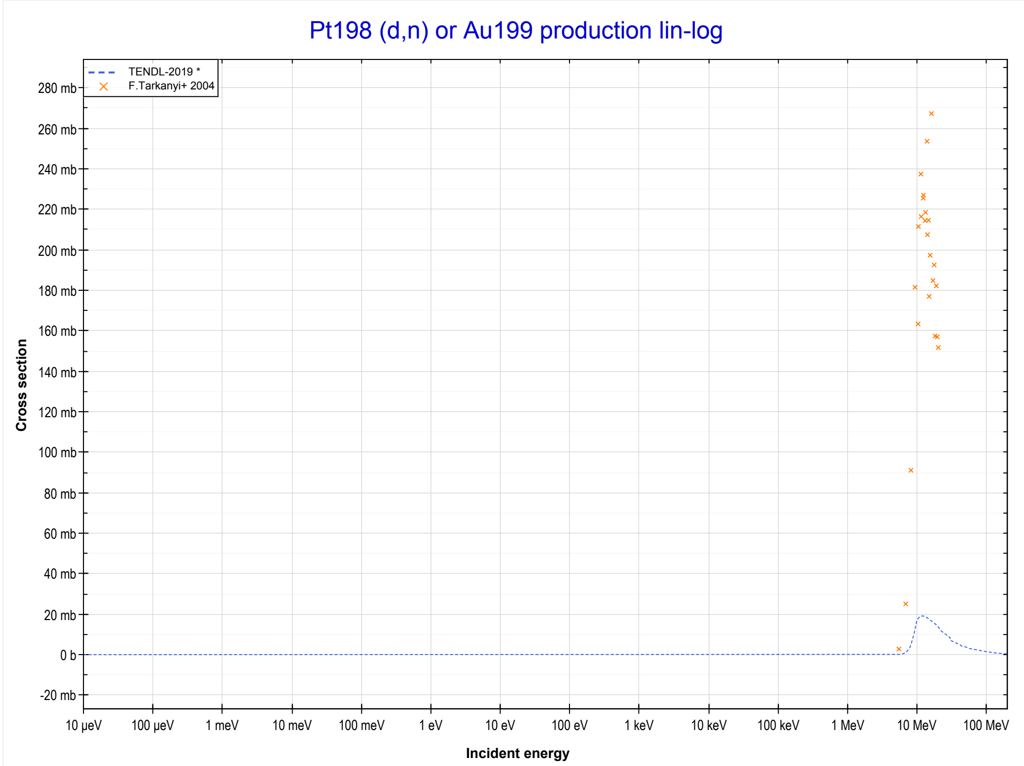




Reaction	Q-Value
Pt196(d,p)Pt197	3621.95 keV

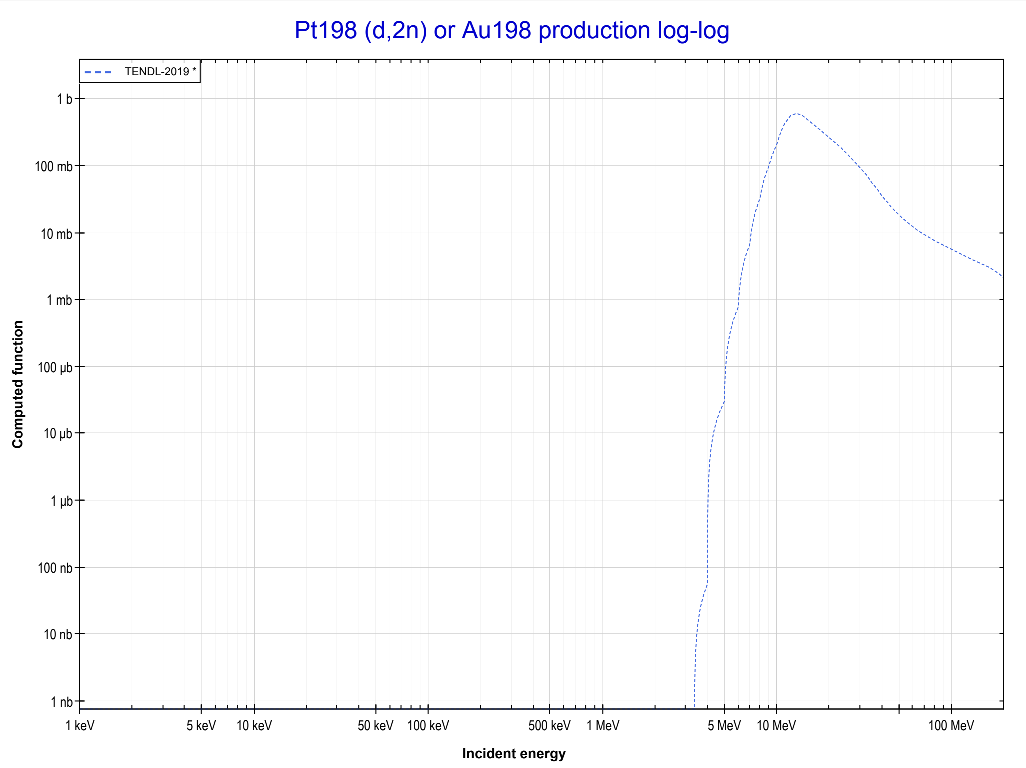
<< 78-Pt-194	**78-Pt-198**	83-Bi-209 >>
<< 78-Pt-196 MT103 (d,p)	**MT4 (d,n) or MT5 (Au199 production)**	MT16 (d,2n) >>

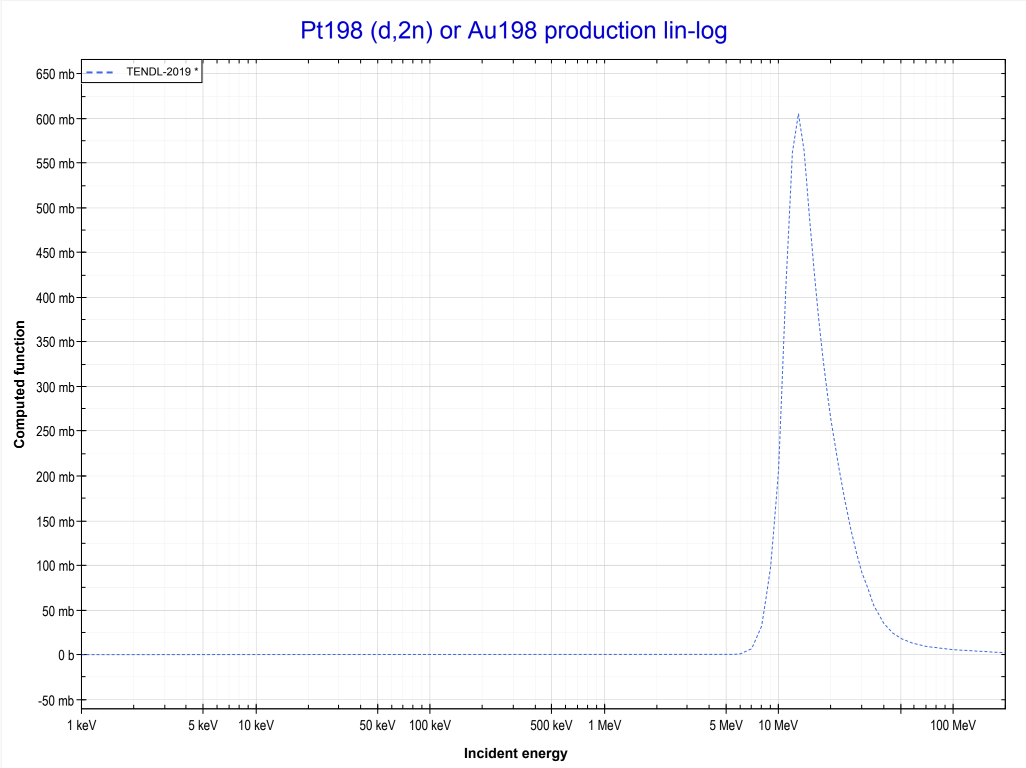




Reaction	Q-Value
Pt198(d,n)Au199	4254.10 keV

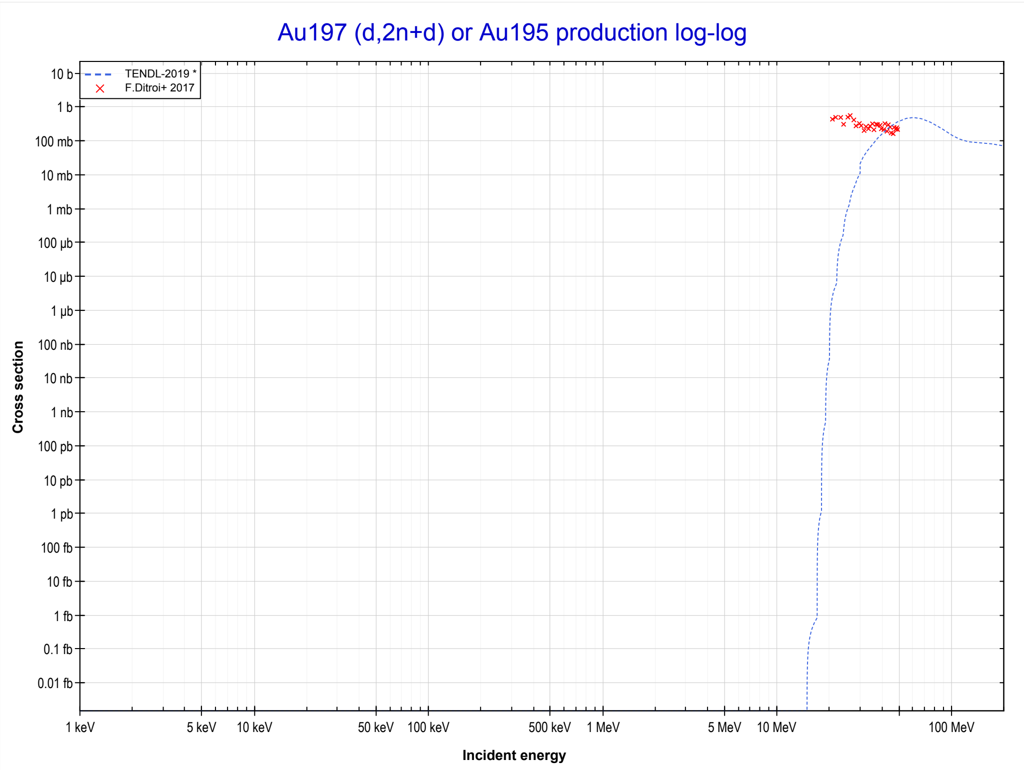
<< 78-Pt-194	**78-Pt-198**	79-Au-197 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Au198 production)**	79-Au-197 MT11 (d,2n+d) >>

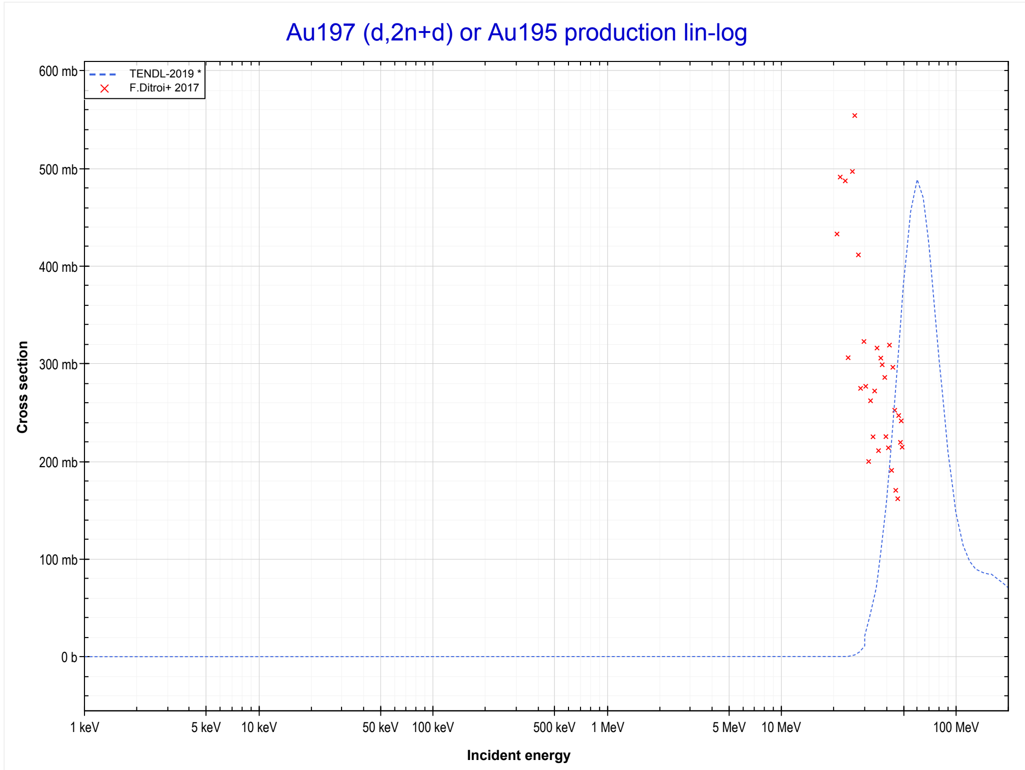




Reaction	Q-Value
Pt198(d,2n)Au198	-3330.11 keV

<< 45-Rh-103	**79-Au-197**	83-Bi-209 >>
<< 78-Pt-198 MT16 (d,2n)	**MT11 (d,2n+d) or MT5 (Au195 production)**	MT16 (d,2n) >>

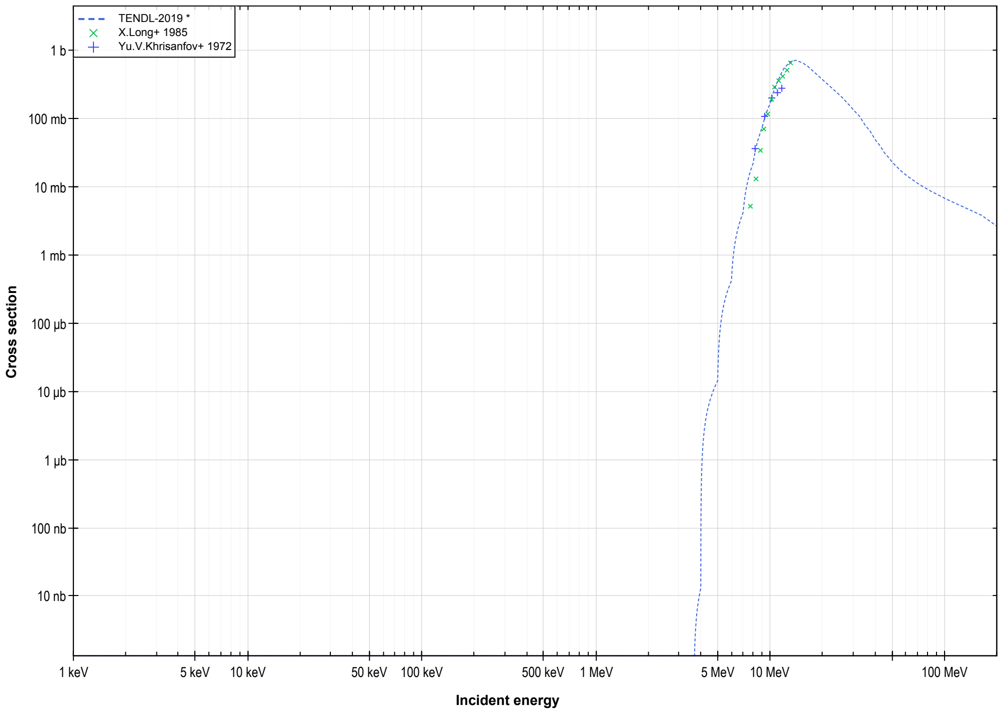




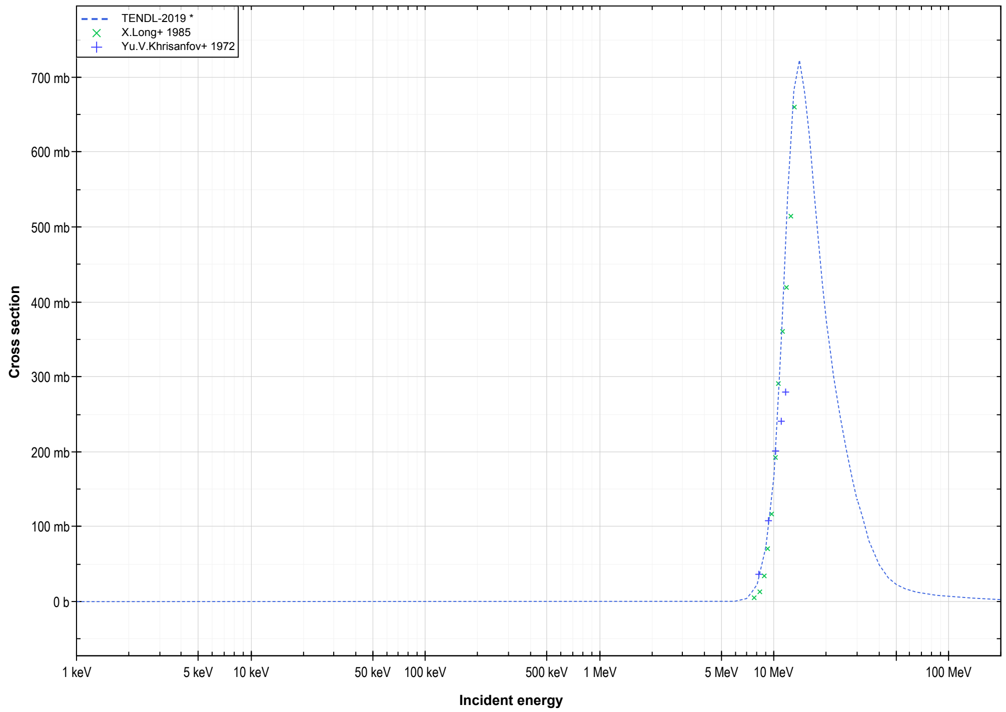
Reaction	Q-Value
Au197(d,n+t)Au195	-8458.11 keV
Au197(d,2n+d)Au195	-14715.33 keV
Au197(d,3n+p)Au195	-16939.90 keV

<< 78-Pt-198	**79-Au-197**	82-Pb-204 >>
<< MT11 (d,2n+d)	**MT16 (d,2n) or MT5 (Hg197 production)**	MT17 (d,3n) >>

Au197 (d,2n) or Hg197 production log-log



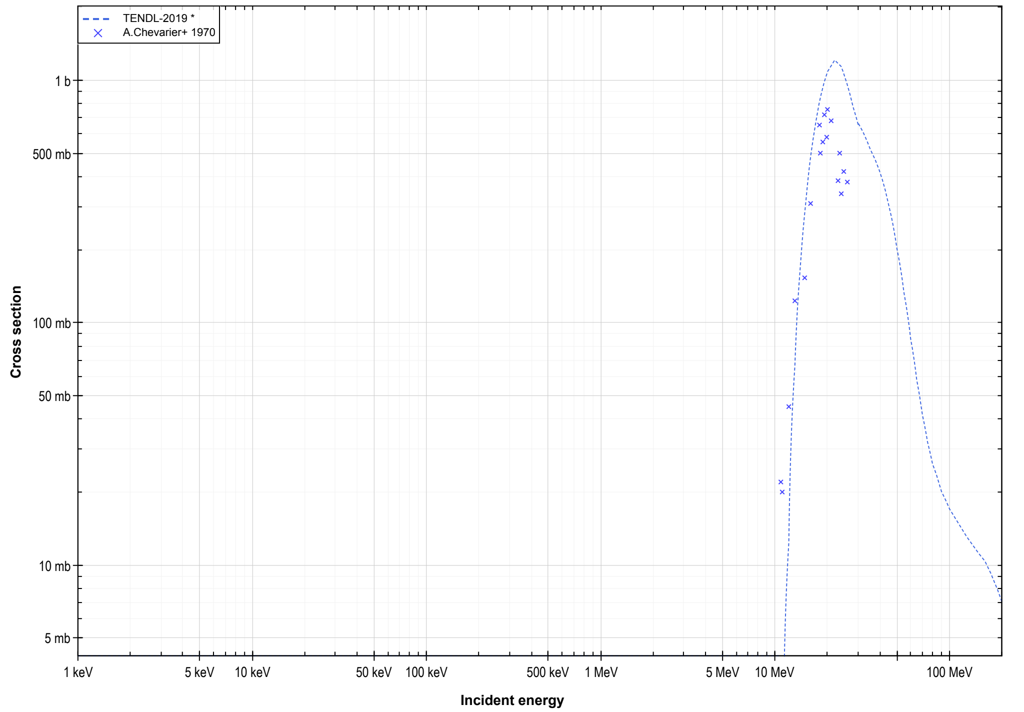
Au197 (d,2n) or Hg197 production lin-log



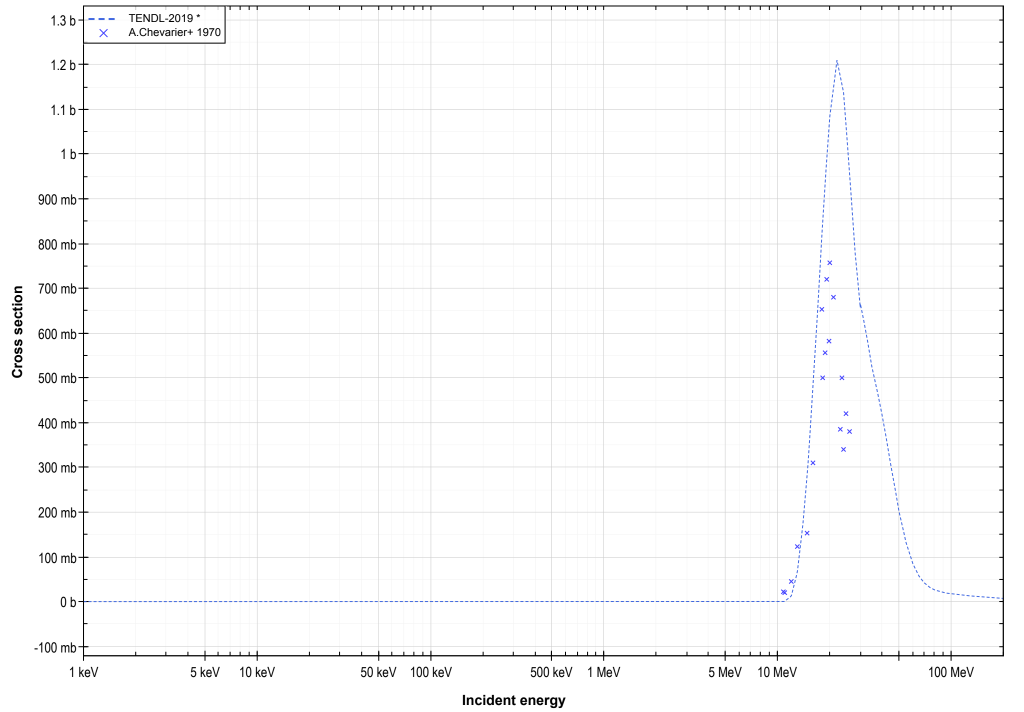
Reaction	Q-Value
Au197(d,2n)Hg197	-3606.61 keV

<< 68-Er-167	**79-Au-197**	81-Tl-203 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Hg196 production)**	MT18 (d,fission) >>

Au197 (d,3n) or Hg196 production log-log

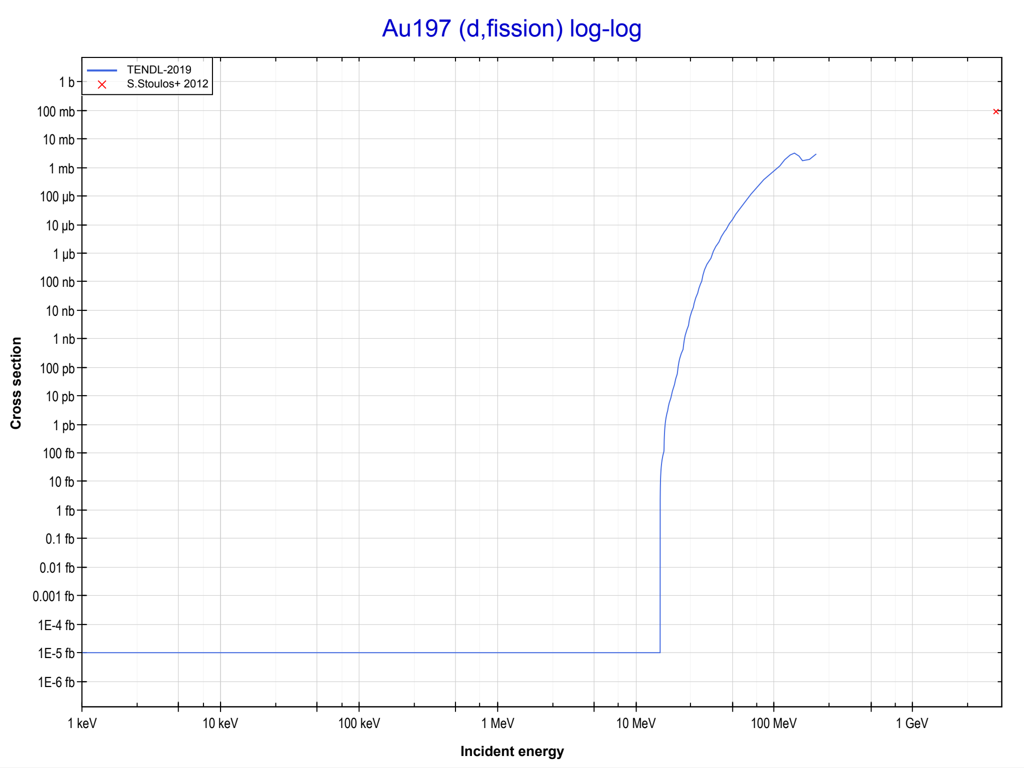


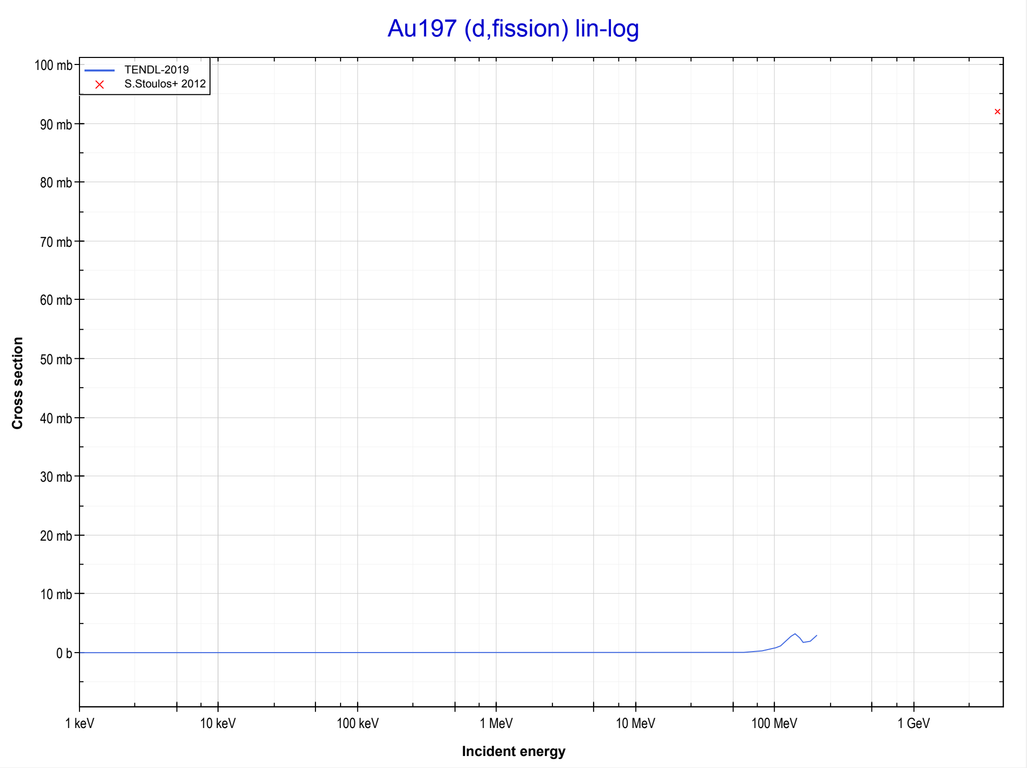
Au197 (d,3n) or Hg196 production lin-log



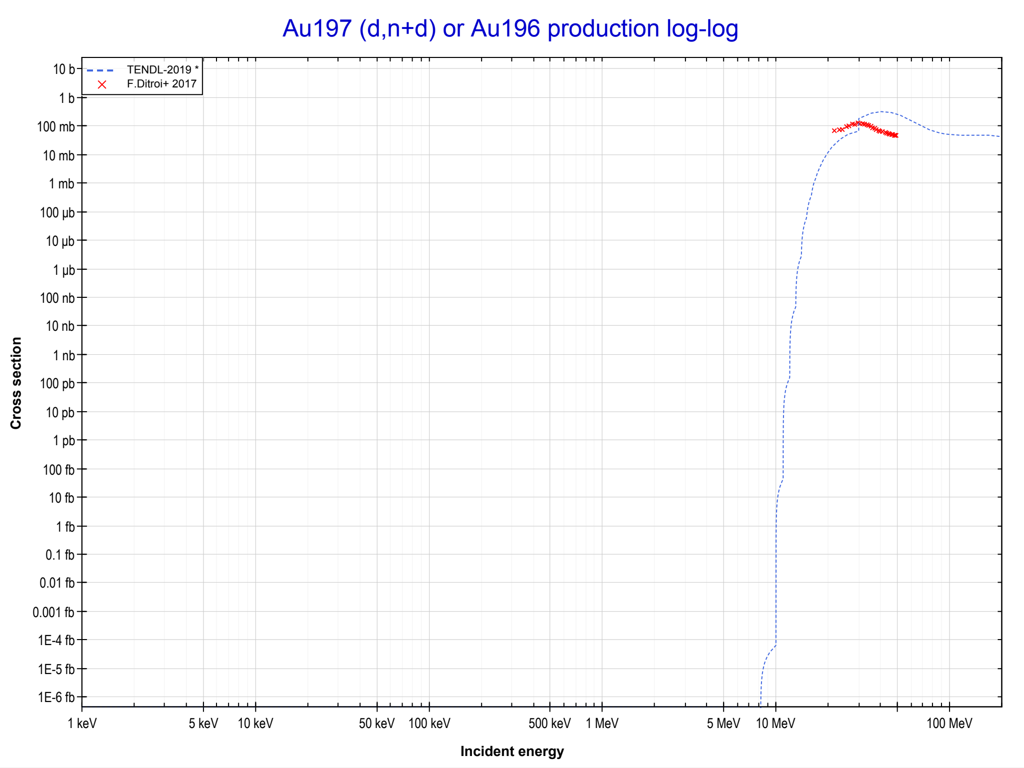
Reaction	Q-Value
Au197(d,3n)Hg196	-10392.03 keV

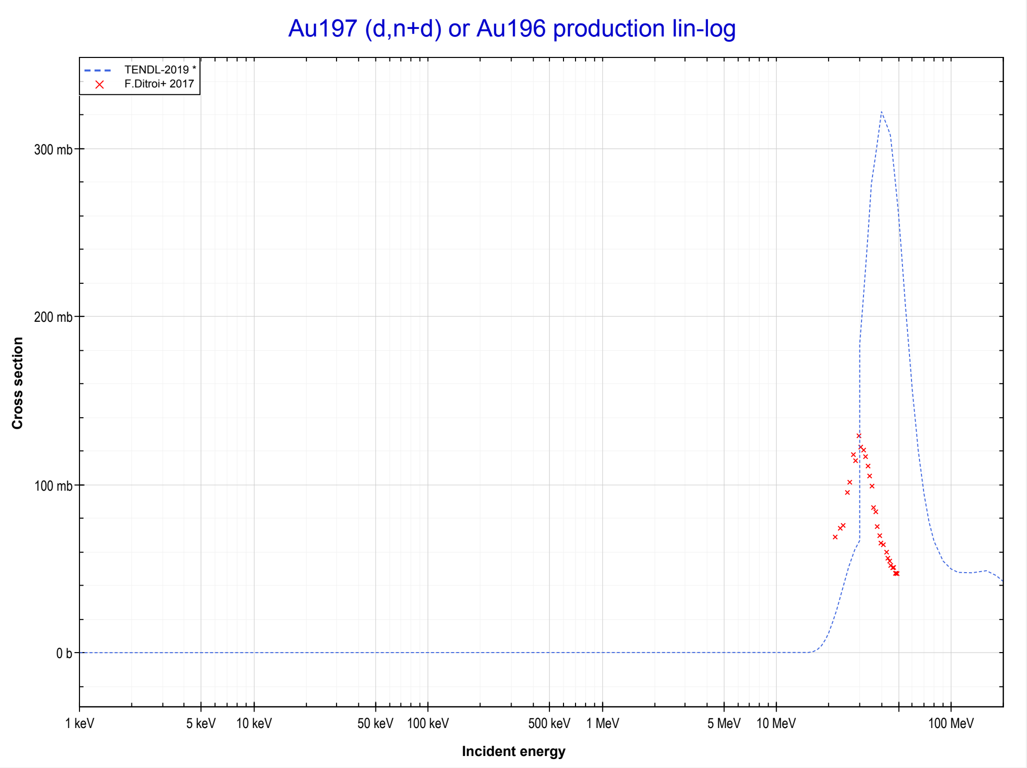
	79-Au-197	83-Bi-209 >>
<< MT17 (d,3n)	**MT18 (d,fission)**	MT32 (d,n+d) >>





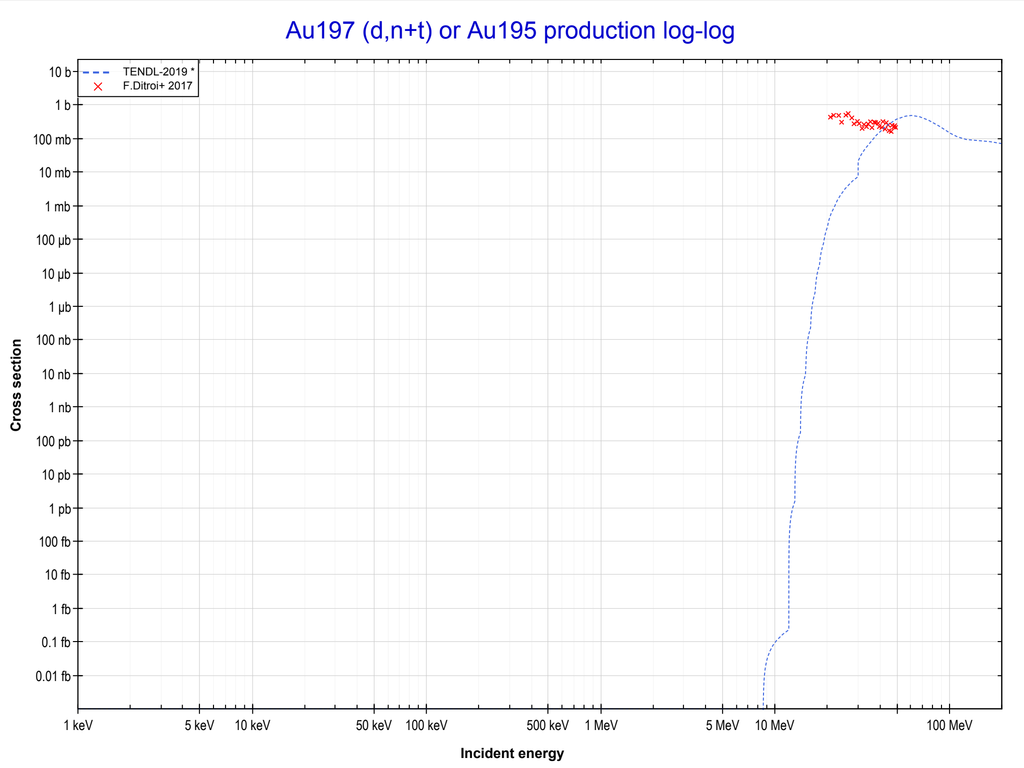
<< 69-Tm-169	**79-Au-197**	92-U-238 >>
<< MT18 (d,fission)	**MT32 (d,n+d) or MT5 (Au196 production)**	MT33 (d,n+t) >>

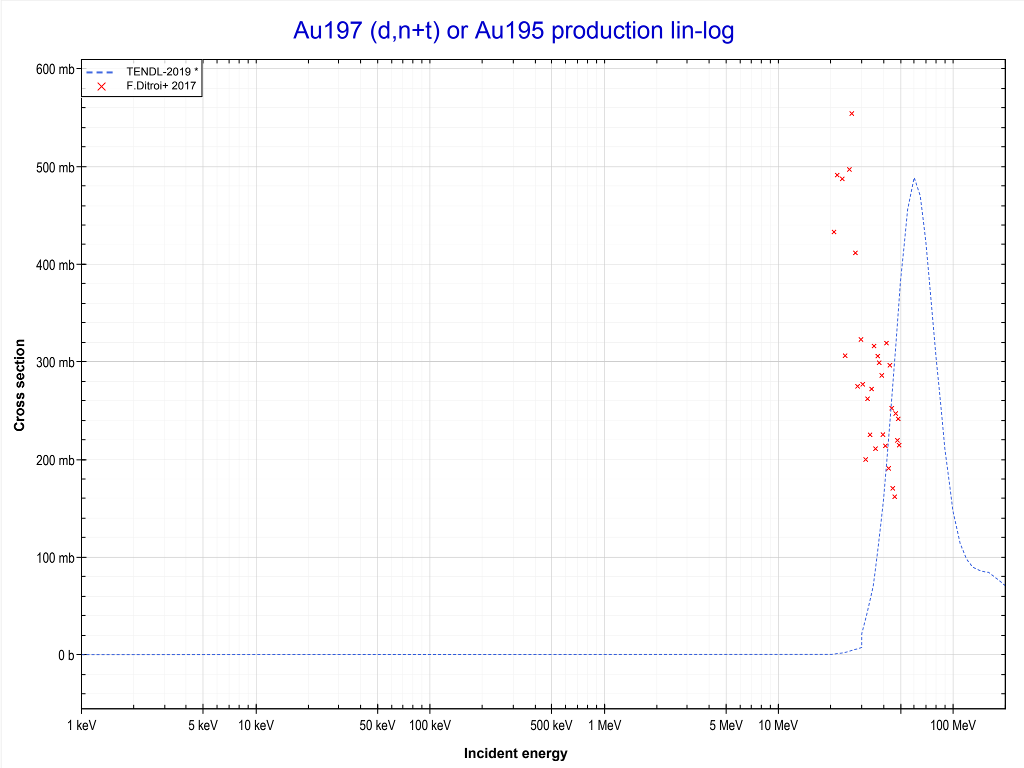




Reaction	Q-Value
Au197(d,t)Au196	-1815.09 keV
Au197(d,n+d)Au196	-8072.32 keV
Au197(d,2n+p)Au196	-10296.88 keV

<< 45-Rh-103	**79-Au-197**	83-Bi-209 >>
<< MT32 (d,n+d)	**MT33 (d,n+t) or MT5 (Au195 production)**	MT37 (d,4n) >>

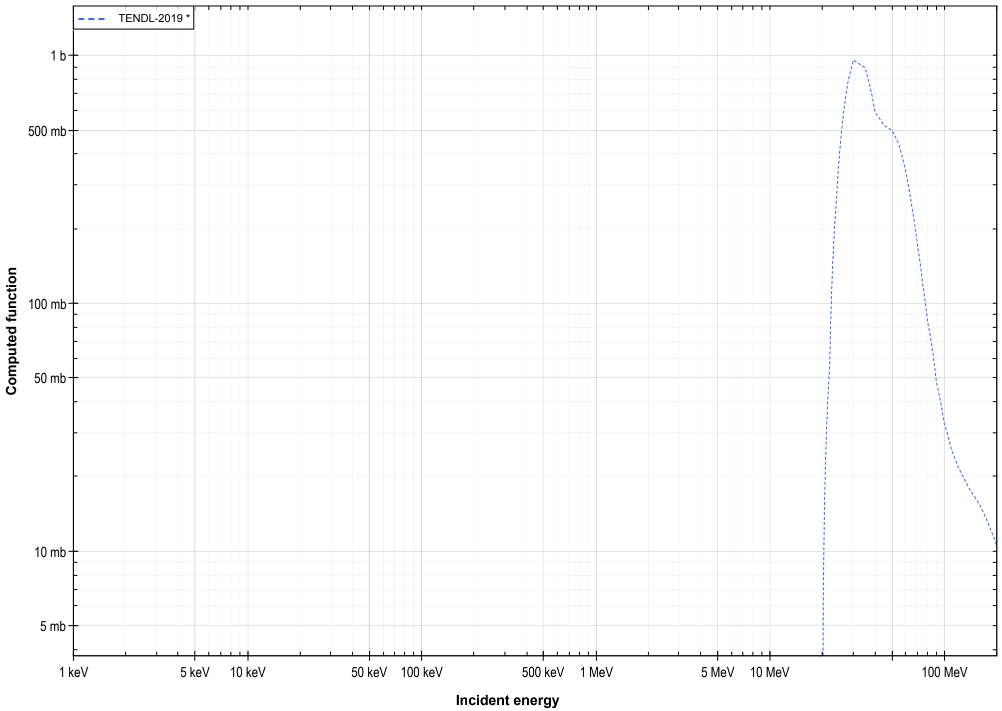




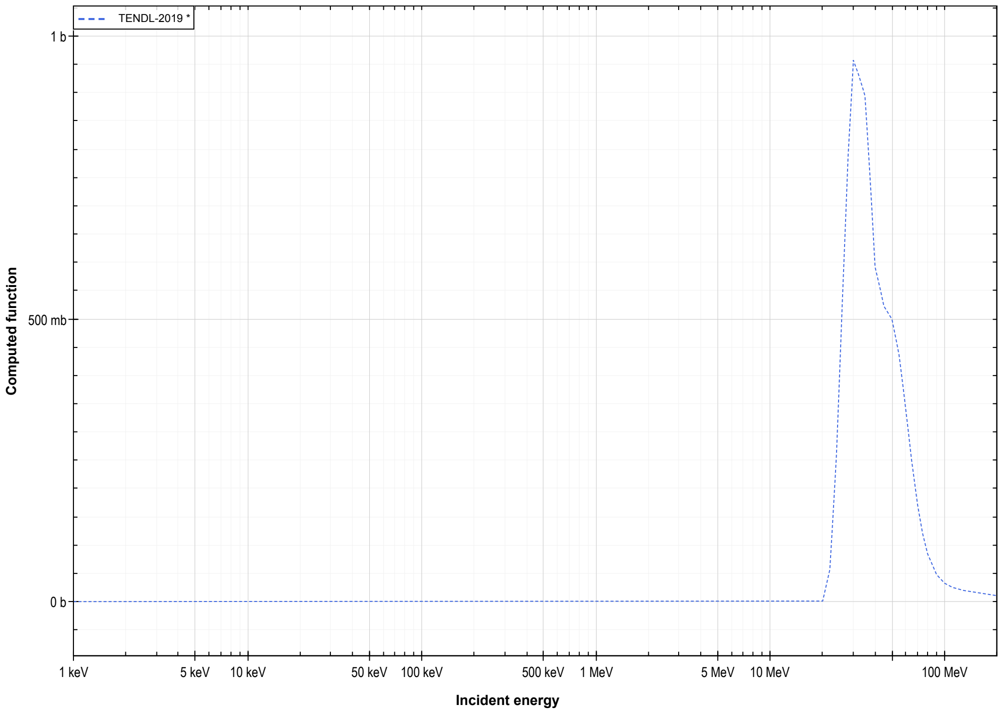
Reaction	Q-Value
Au197(d,n+t)Au195	-8458.11 keV
Au197(d,2n+d)Au195	-14715.33 keV
Au197(d,3n+p)Au195	-16939.90 keV

<< 65-Tb-159	**79-Au-197**	81-Tl-203 >>
<< MT33 (d,n+t)	**MT37 (d,4n) or MT5 (Hg195 production)**	MT41 (d,2n+p) >>

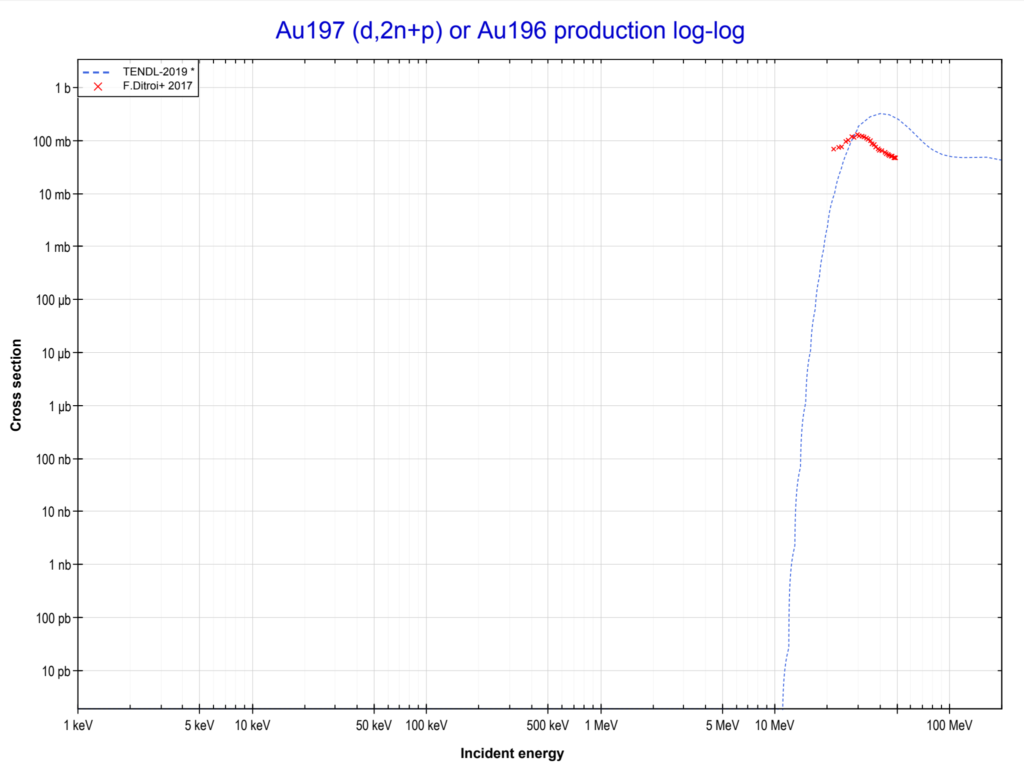
Au197 (d,4n) or Hg195 production log-log

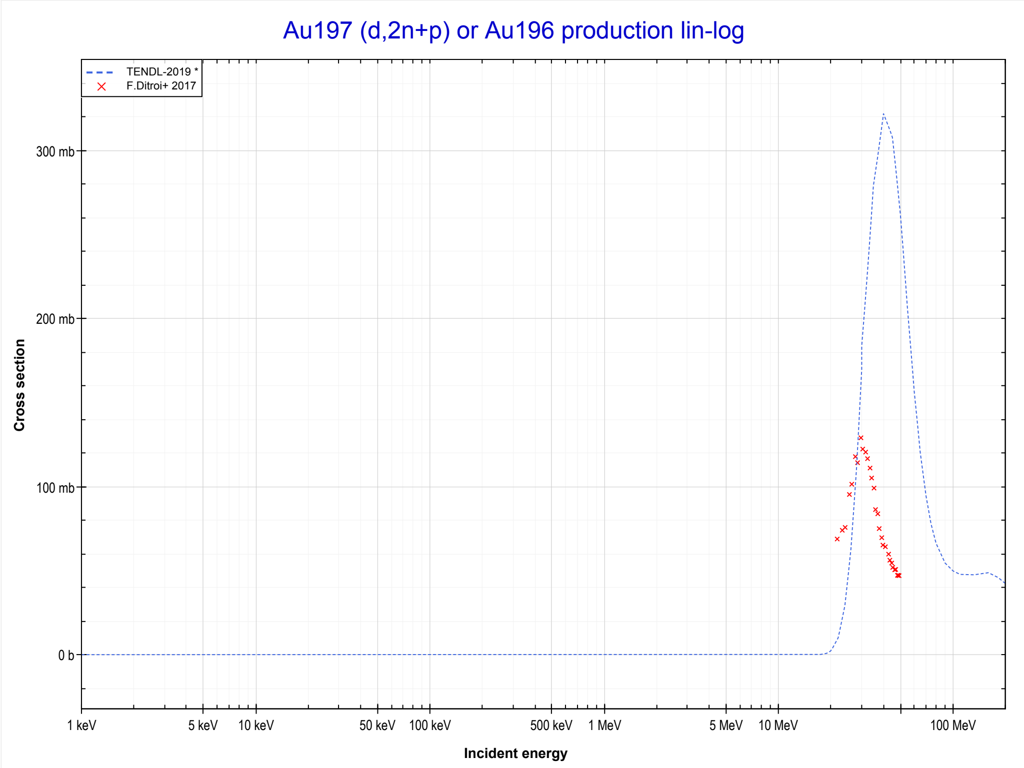


Au197 (d,4n) or Hg195 production lin-log

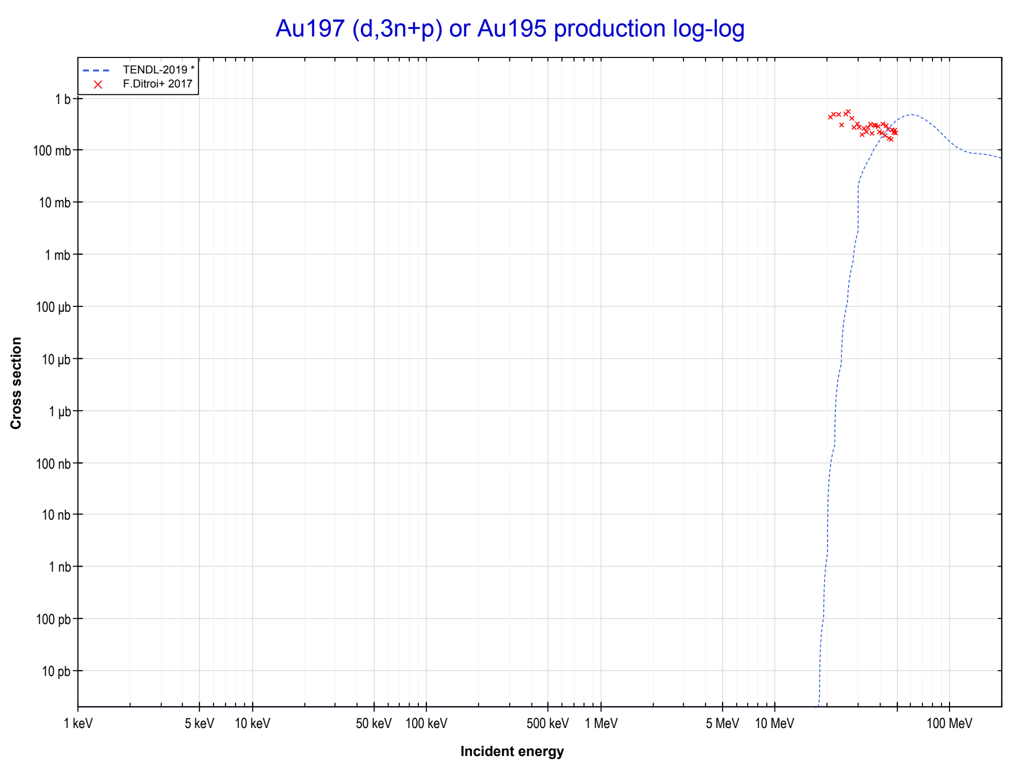


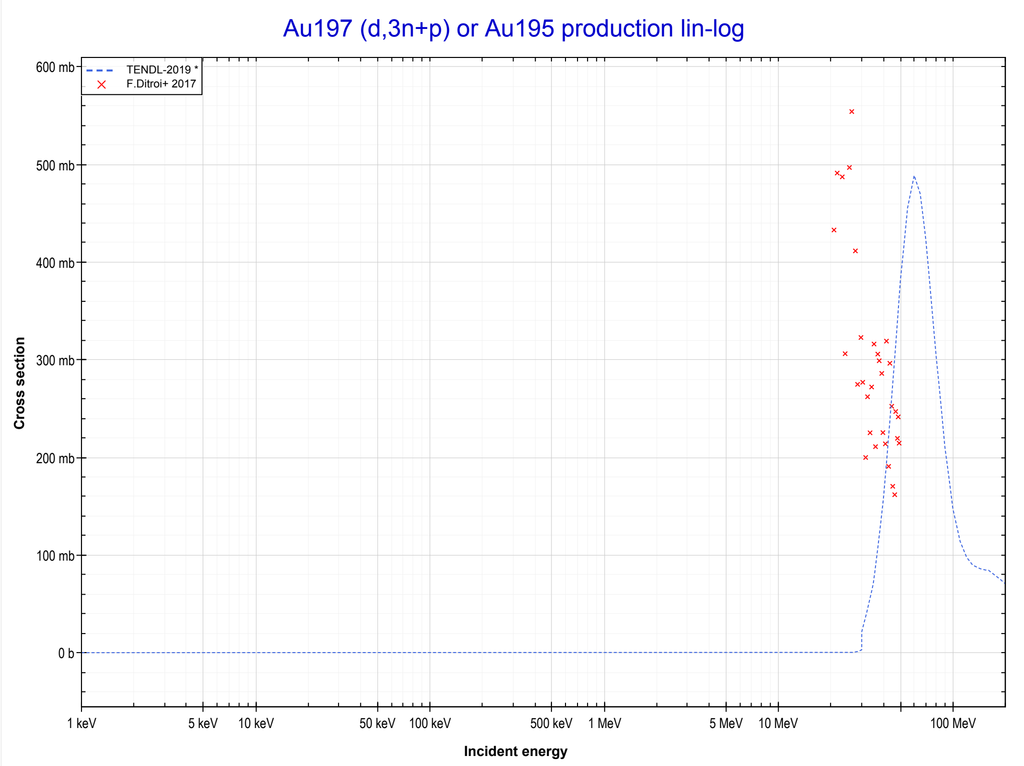
Reaction	Q-Value
Au197(d,4n)Hg195	-19276.25 keV



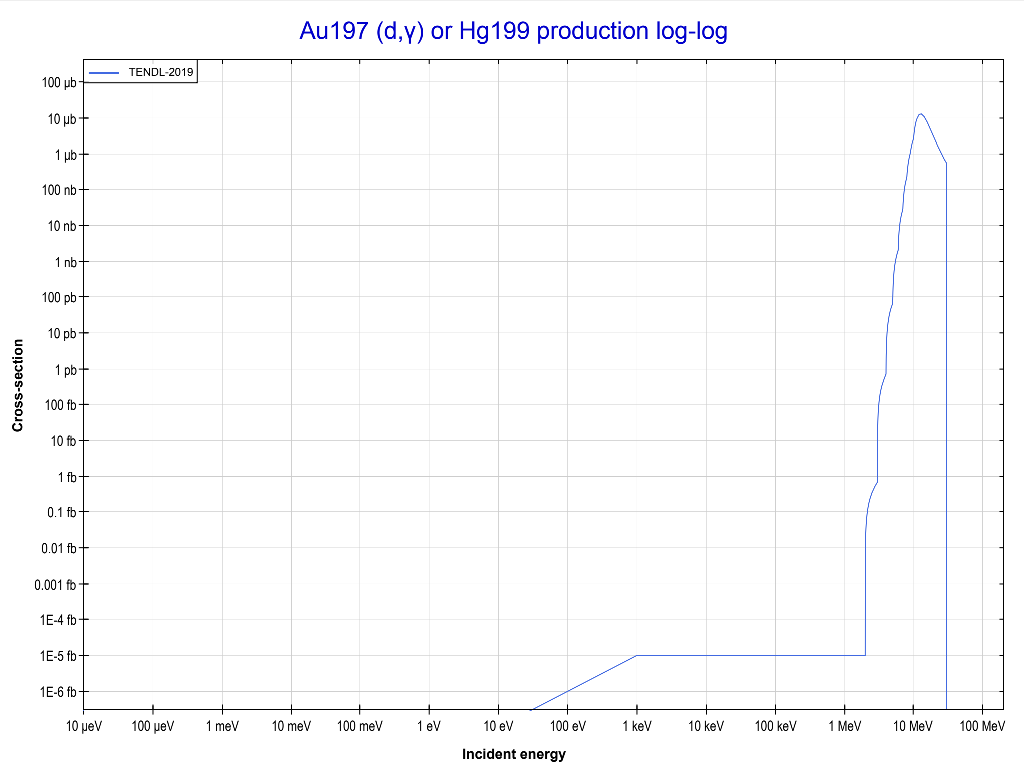


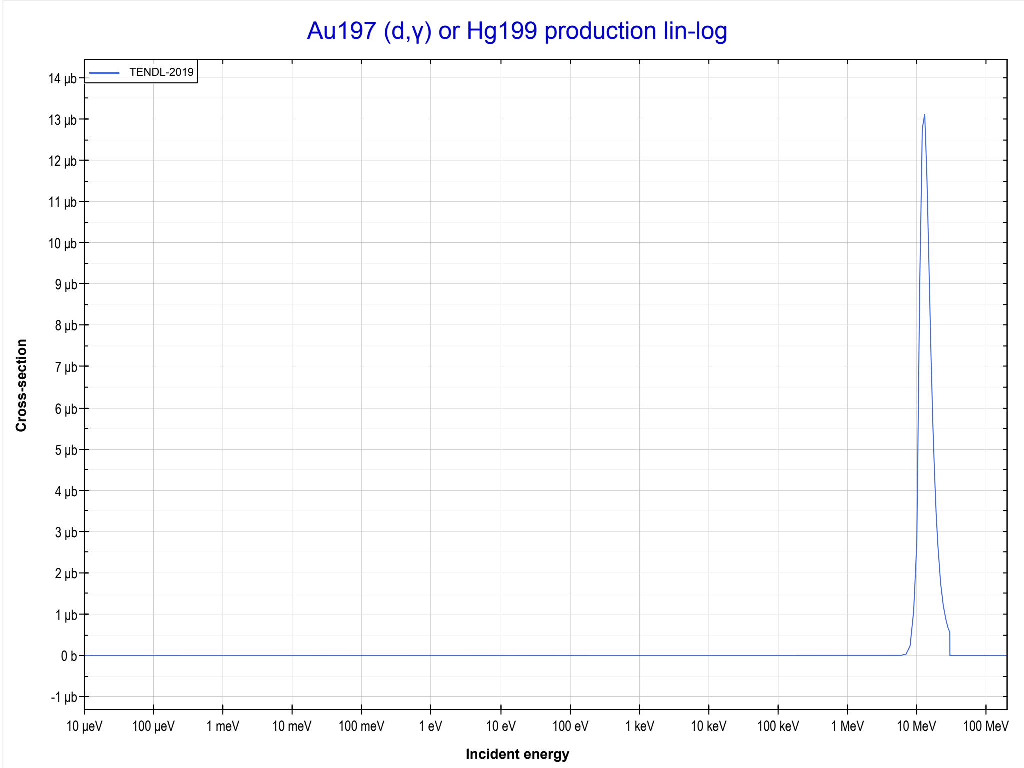
Reaction	Q-Value
Au197(d,t)Au196	-1815.09 keV
Au197(d,n+d)Au196	-8072.32 keV
Au197(d,2n+p)Au196	-10296.88 keV





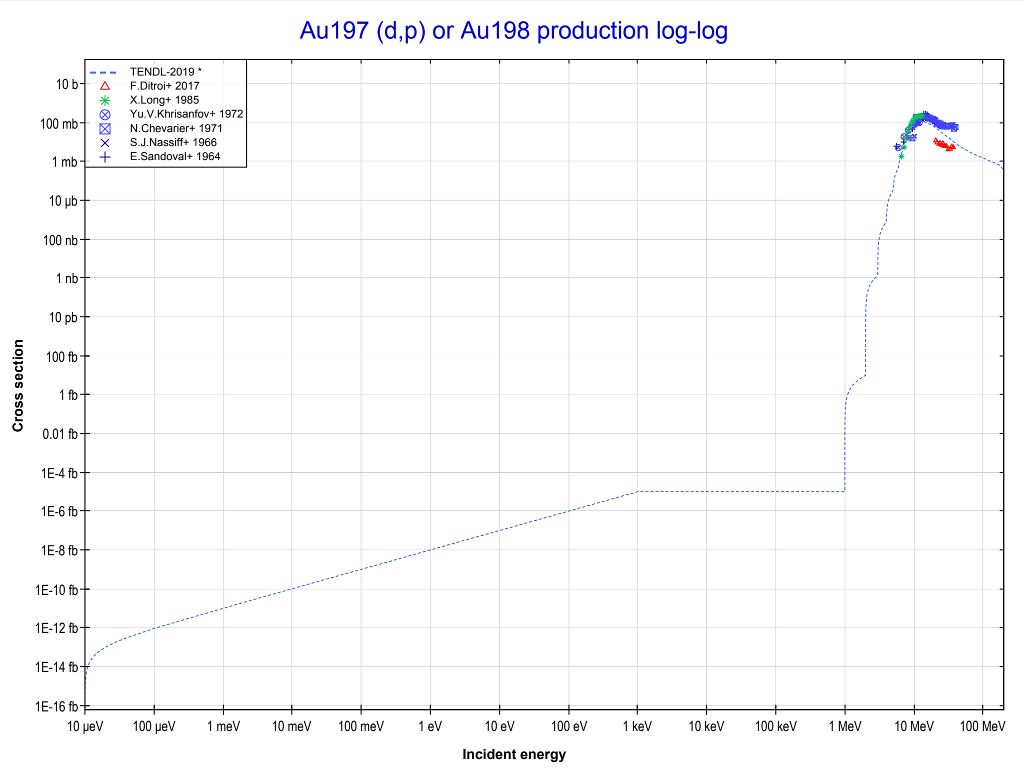
Reaction	Q-Value
Au197(d,n+t)Au195	-8458.11 keV
Au197(d,2n+d)Au195	-14715.33 keV
Au197(d,3n+p)Au195	-16939.90 keV

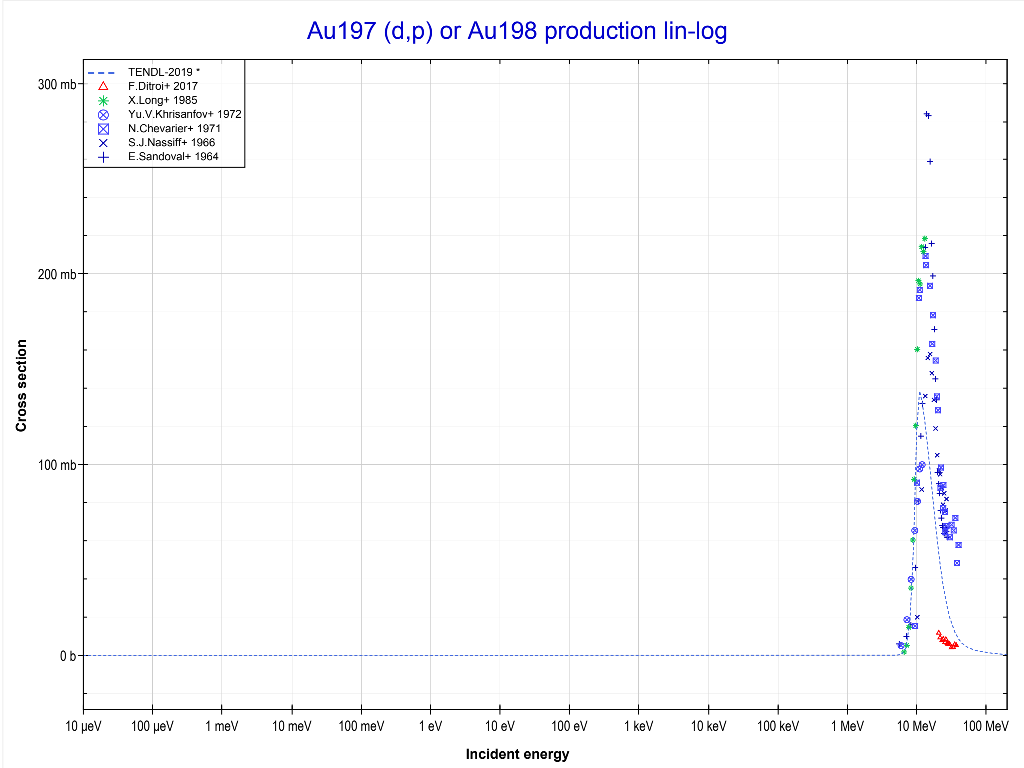




Reaction	Q-Value
Au197(d,γ)Hg199	11542.12 keV

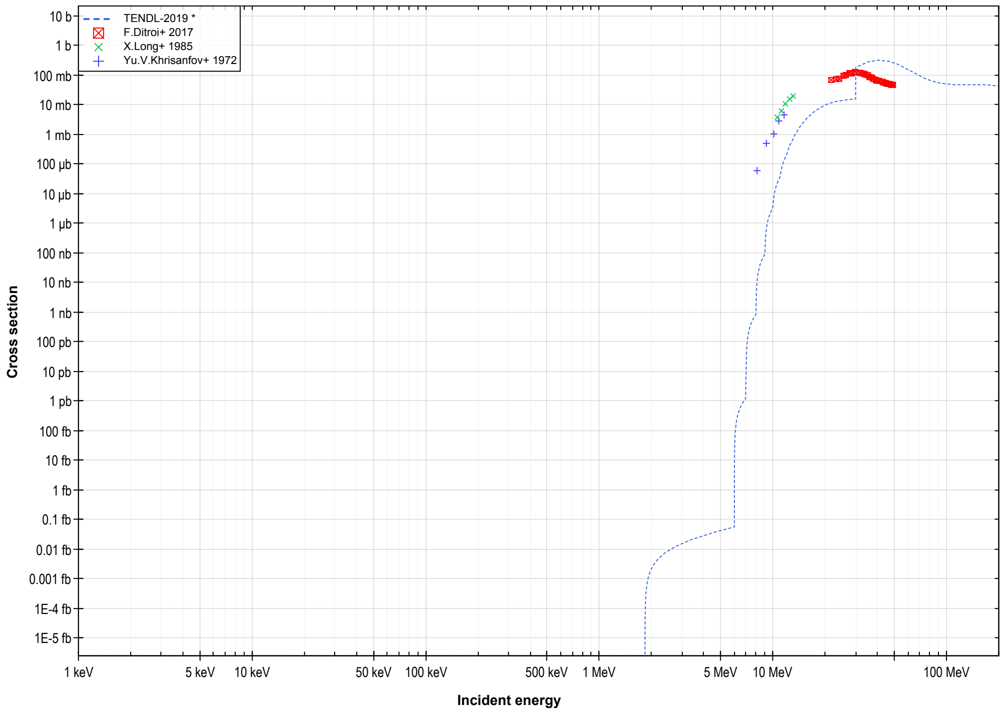
<< 78-Pt-196	**79-Au-197**	82-Pb-208 >>
<< MT102 (d,γ)	**MT103 (d,p) or MT5 (Au198 production)**	MT105 (d,t) >>



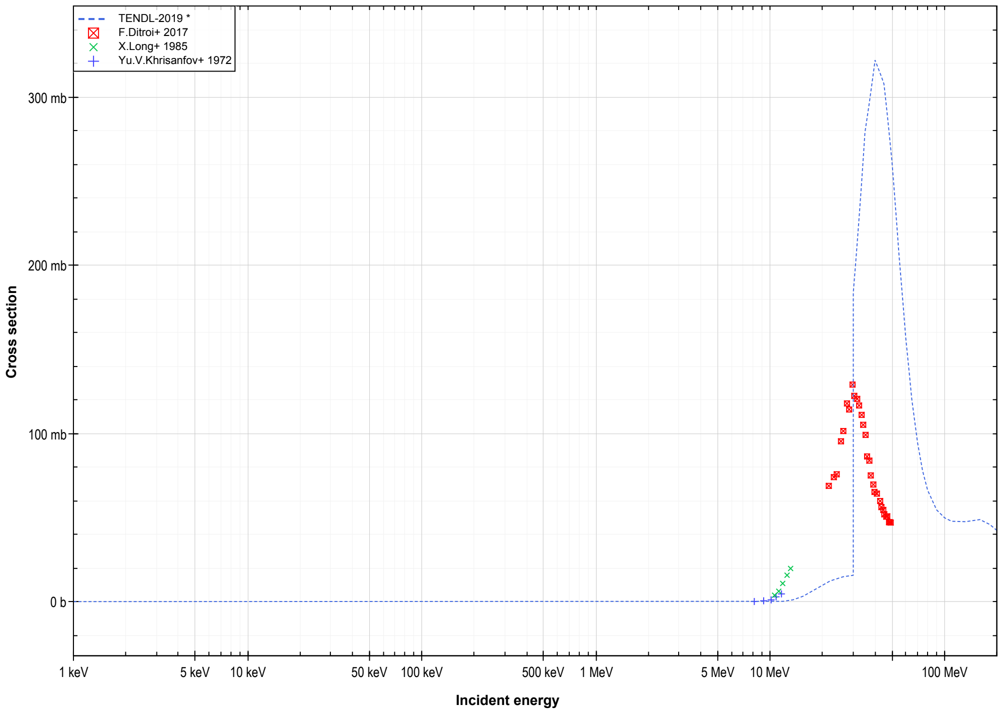


Reaction	Q-Value
Au197(d,p)Au198	4287.85 keV

Au197 (d,t) or Au196 production log-log

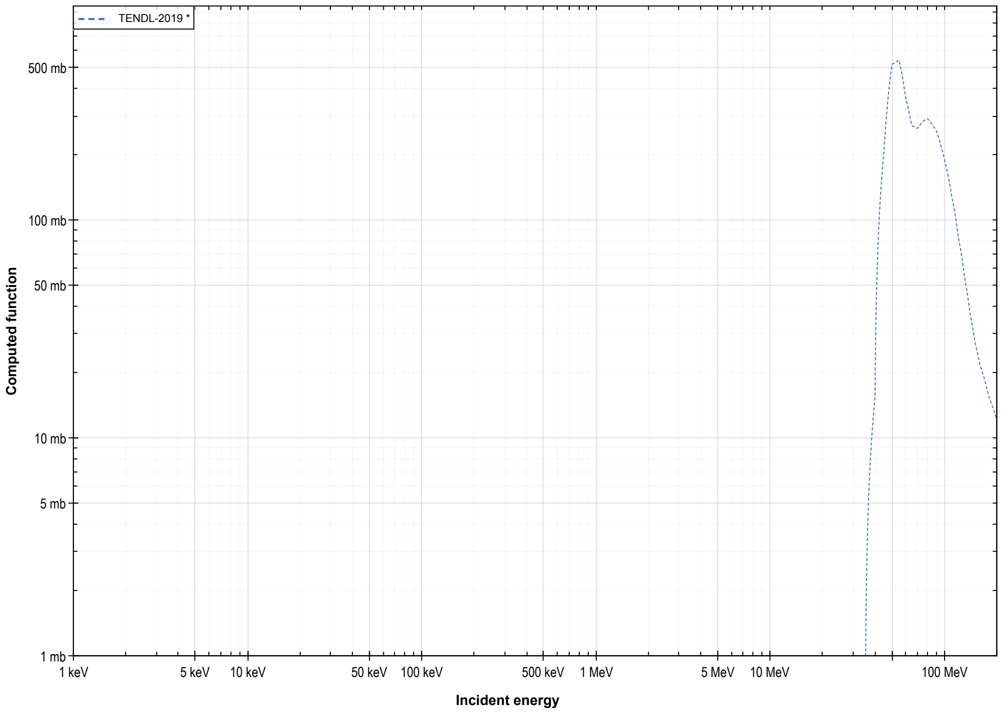


Au197 (d,t) or Au196 production lin-log

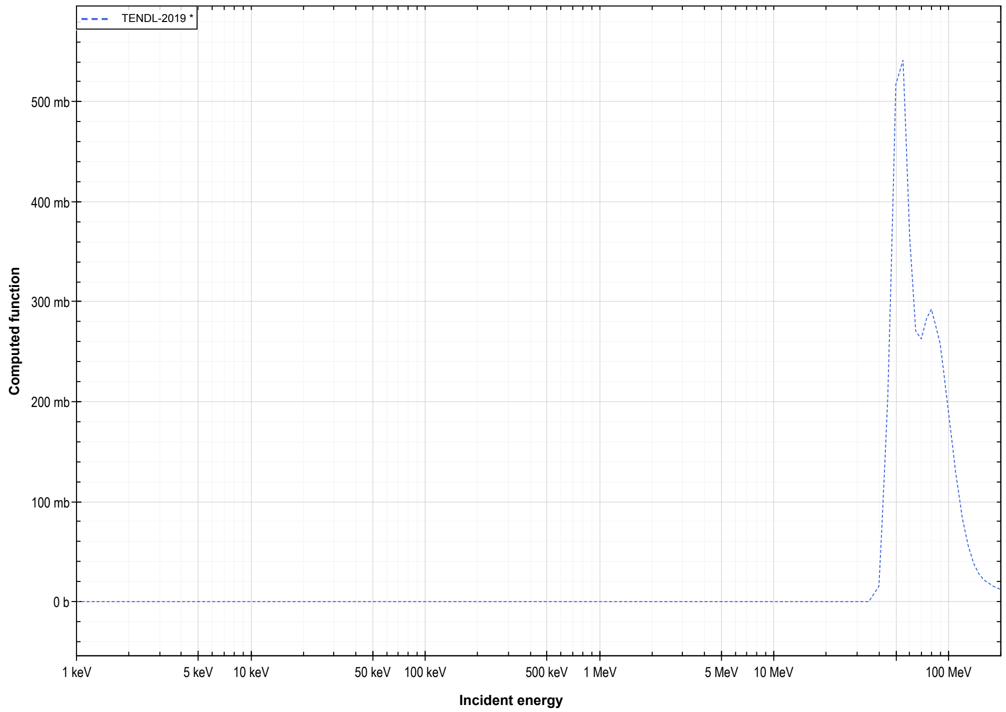


Reaction	Q-Value
Au197(d,t)Au196	-1815.09 keV
Au197(d,n+d)Au196	-8072.32 keV
Au197(d,2n+p)Au196	-10296.88 keV

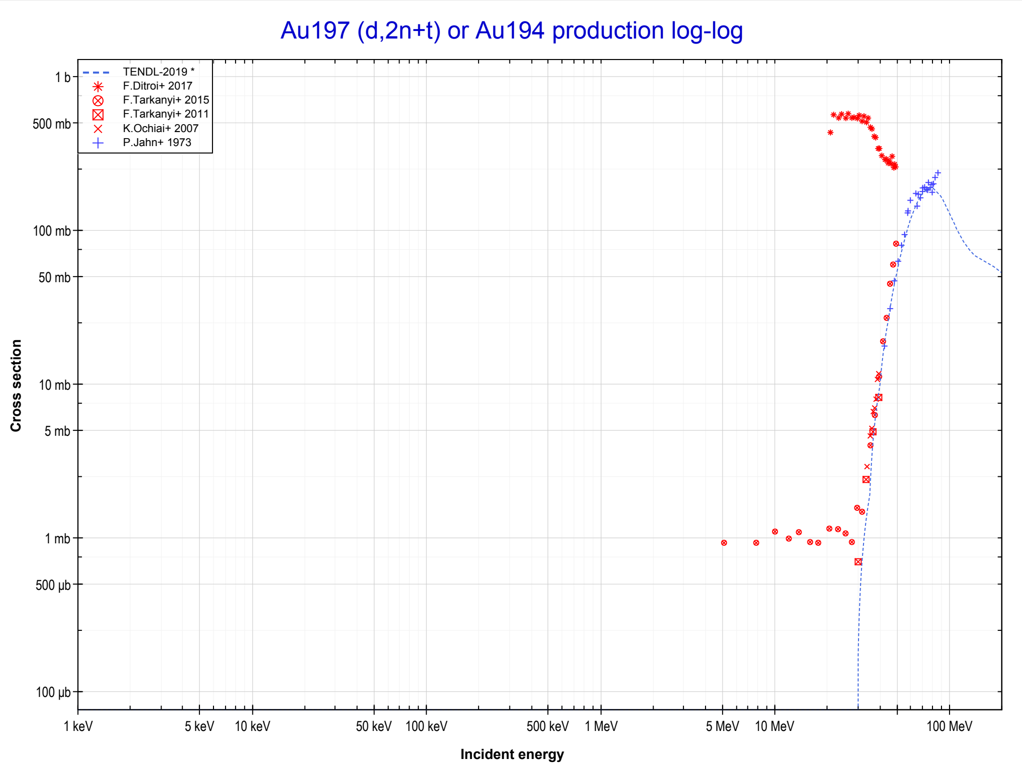
Au197 (d,6n) or Hg193 production log-log

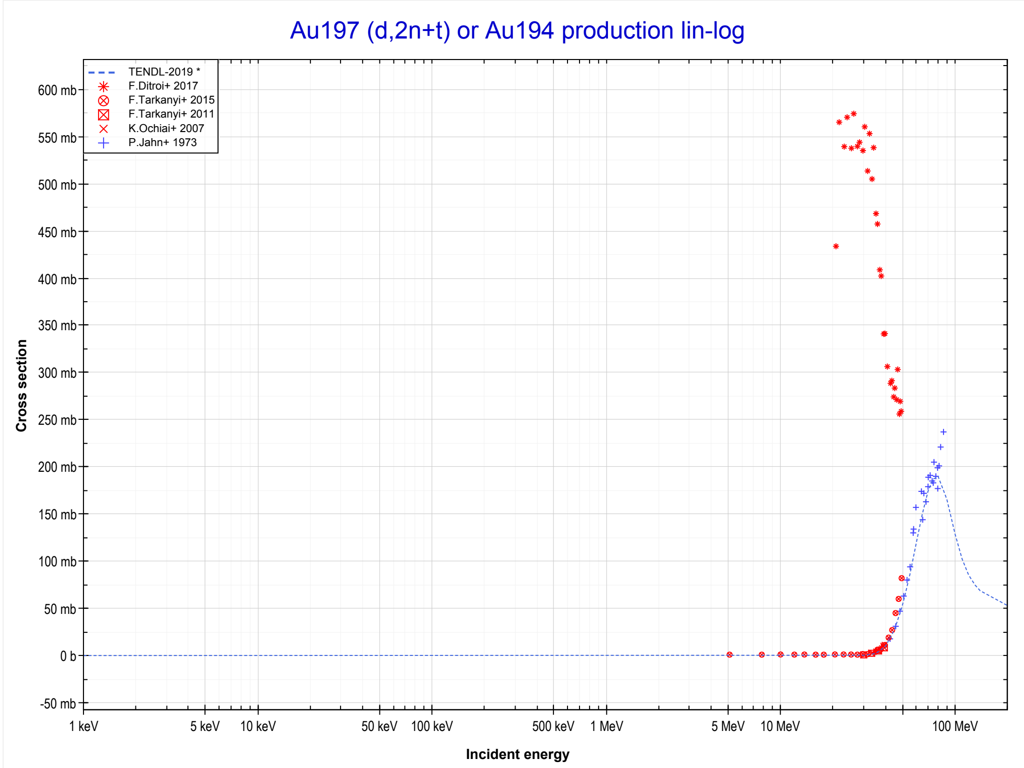


Au197 (d,6n) or Hg193 production lin-log



Reaction	Q-Value
Au197(d,6n)Hg193	-35369.88 keV

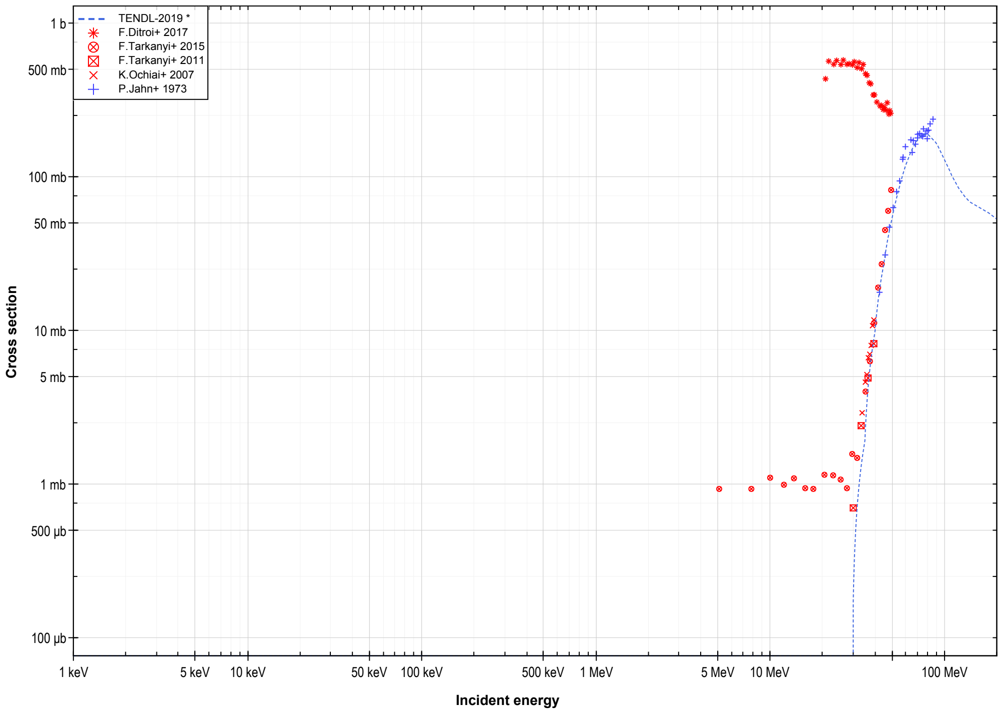




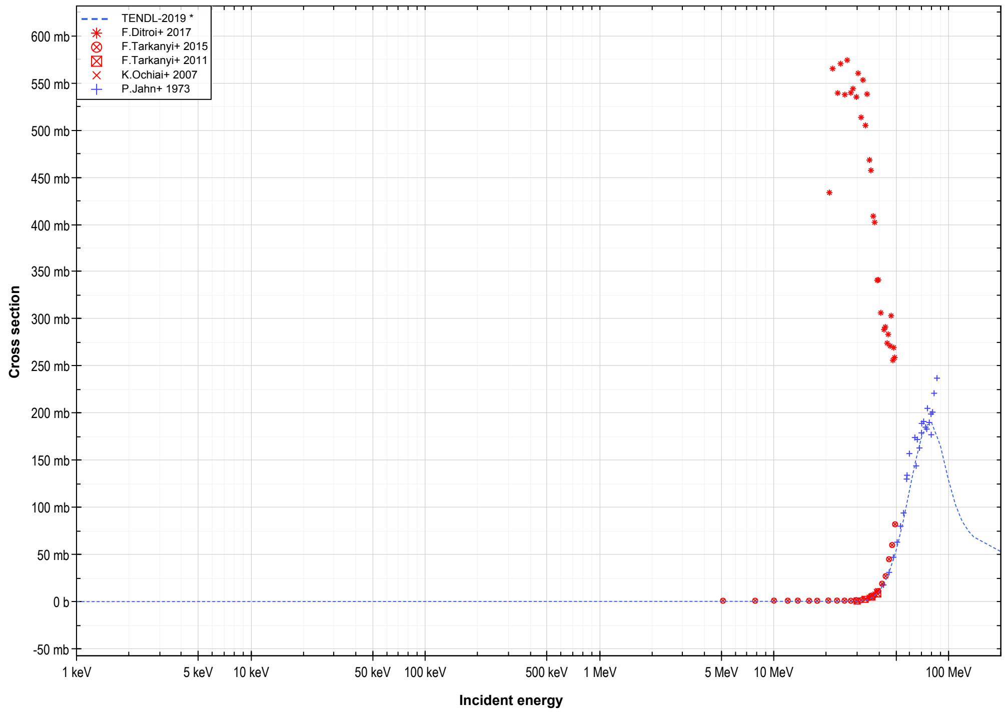
Reaction	Q-Value
Au197(d,2n+t)Au194	-16884.52 keV
Au197(d,3n+d)Au194	-23141.75 keV
Au197(d,4n+p)Au194	-25366.32 keV

<< 73-Ta-181	**79-Au-197**	83-Bi-209 >>
<< MT154 (d,2n+t)	**MT156 (d,4n+p) or MT5 (Au194 production)**	MT157 (d,3n+d) >>

Au197 (d,4n+p) or Au194 production log-log



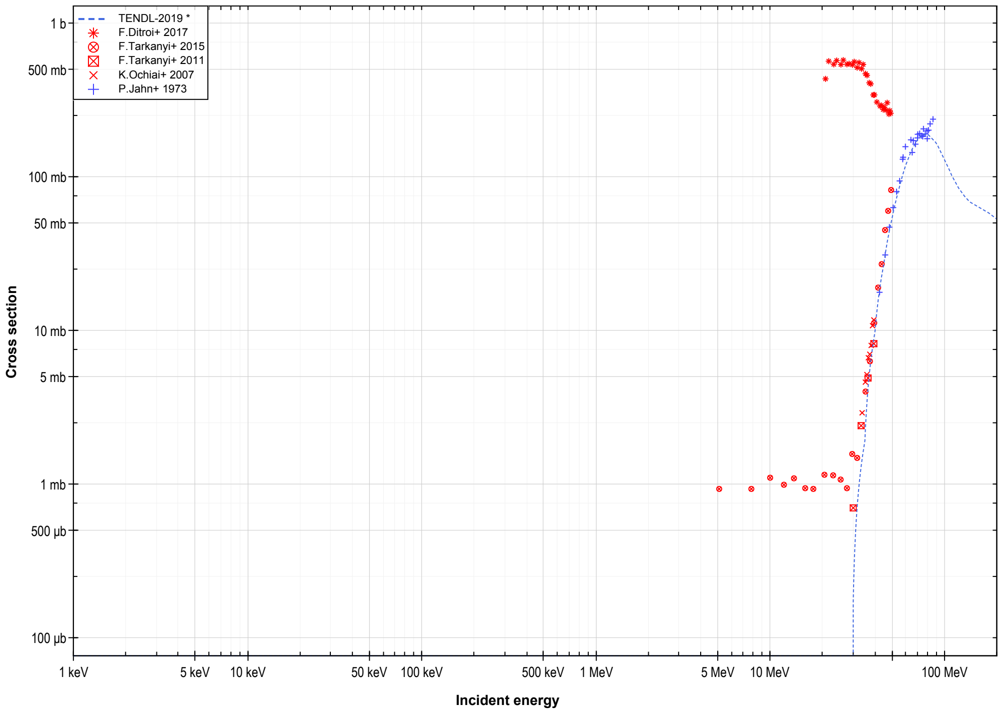
Au197 (d,4n+p) or Au194 production lin-log



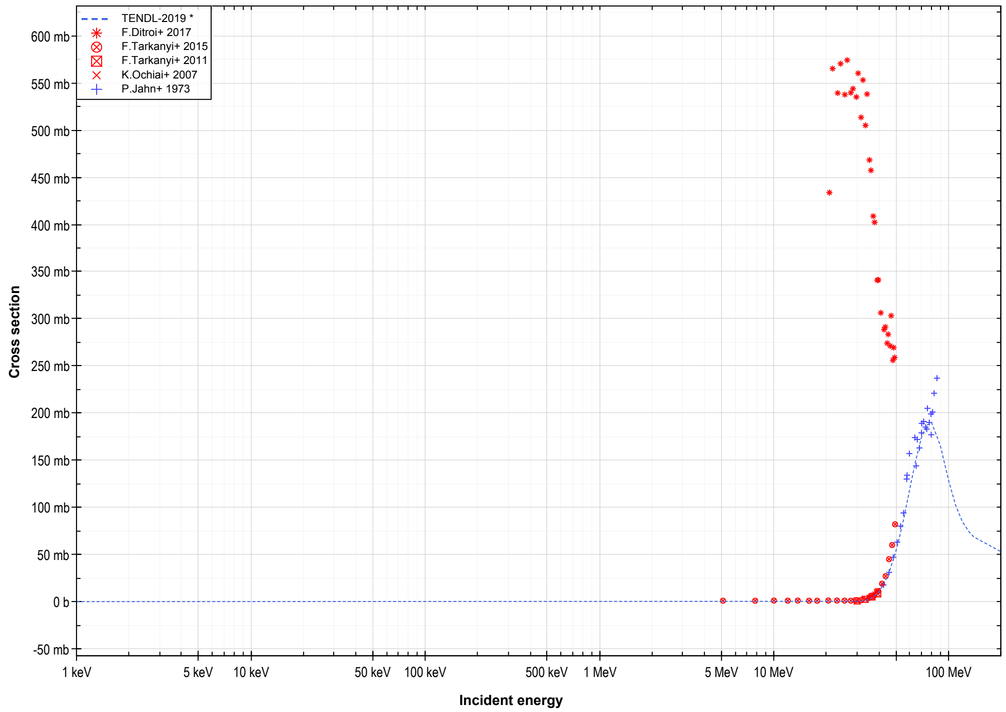
Reaction	Q-Value
Au197(d,2n+t)Au194	-16884.52 keV
Au197(d,3n+d)Au194	-23141.75 keV
Au197(d,4n+p)Au194	-25366.32 keV

<< 53-I-127	**79-Au-197**	83-Bi-209 >>
<< MT156 (d,4n+p)	**MT157 (d,3n+d) or MT5 (Au194 production)**	MT160 (d,7n) >>

Au197 (d,3n+d) or Au194 production log-log

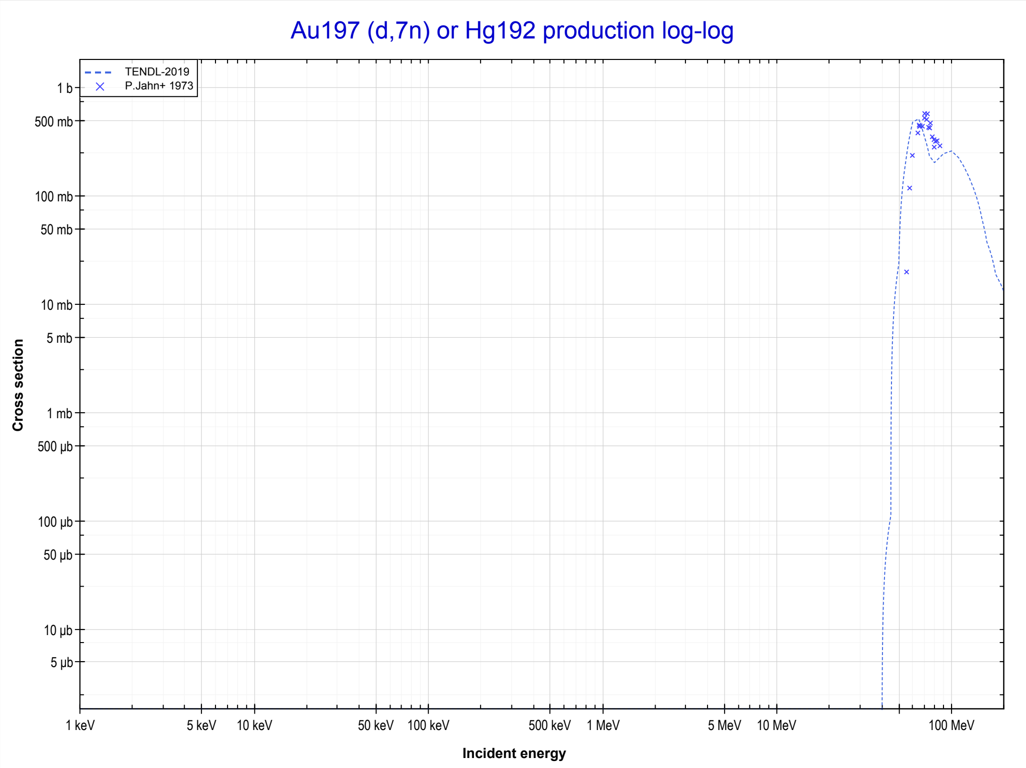


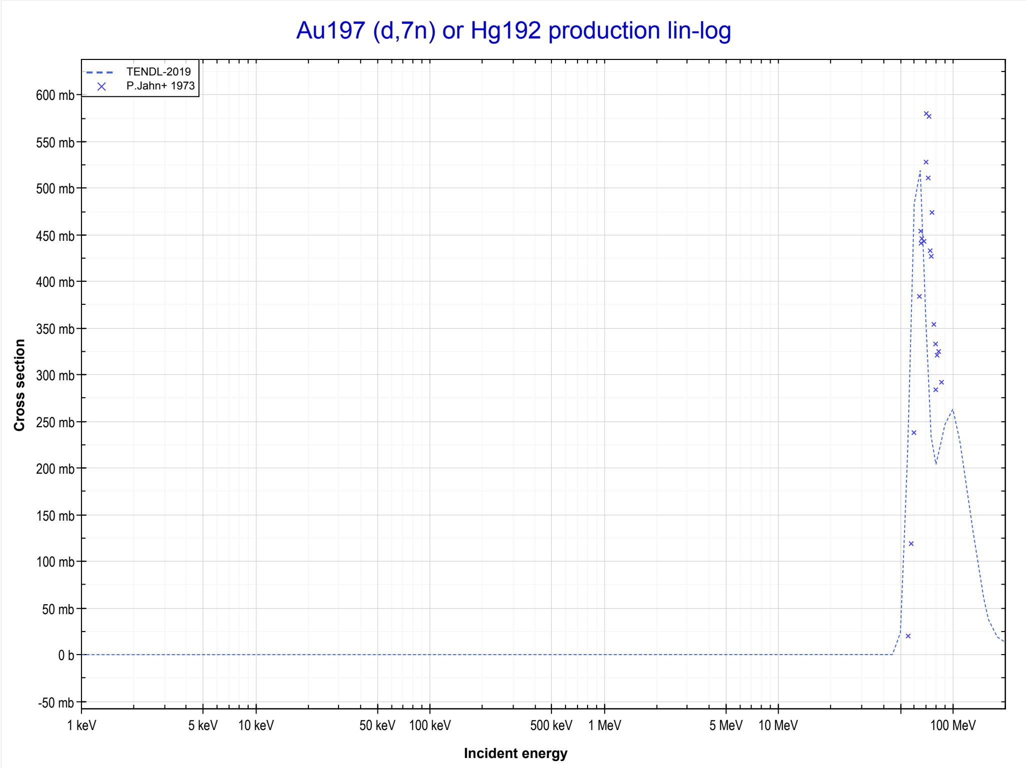
Au197 (d,3n+d) or Au194 production lin-log



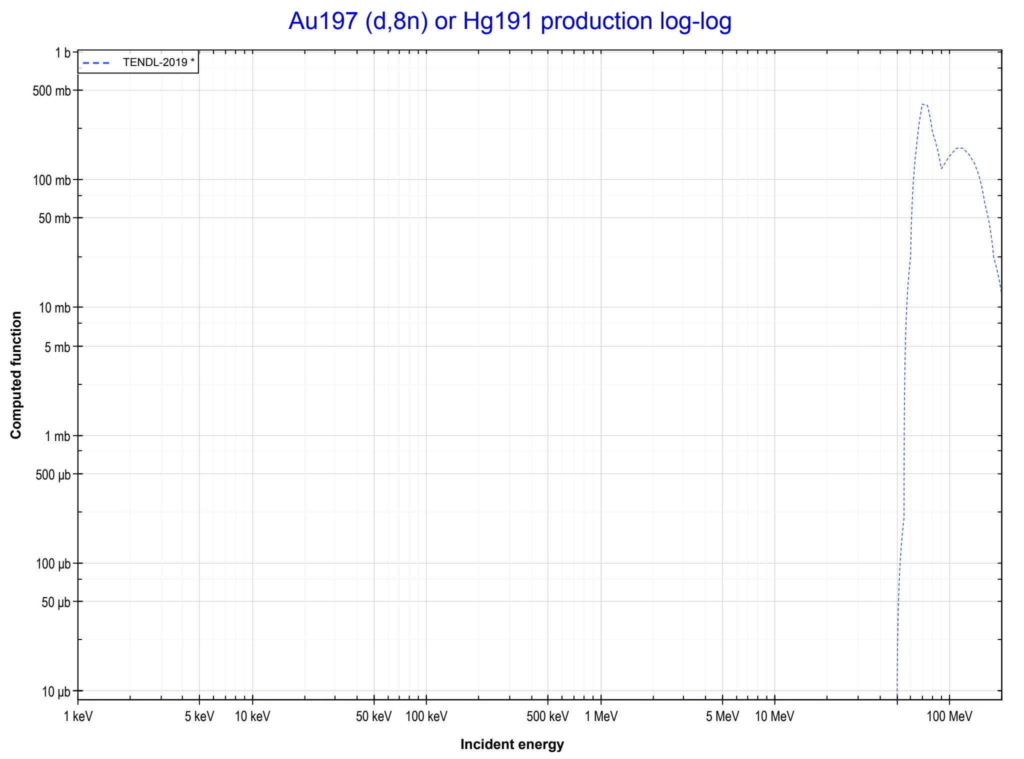
Reaction	Q-Value
Au197(d,2n+t)Au194	-16884.52 keV
Au197(d,3n+d)Au194	-23141.75 keV
Au197(d,4n+p)Au194	-25366.32 keV

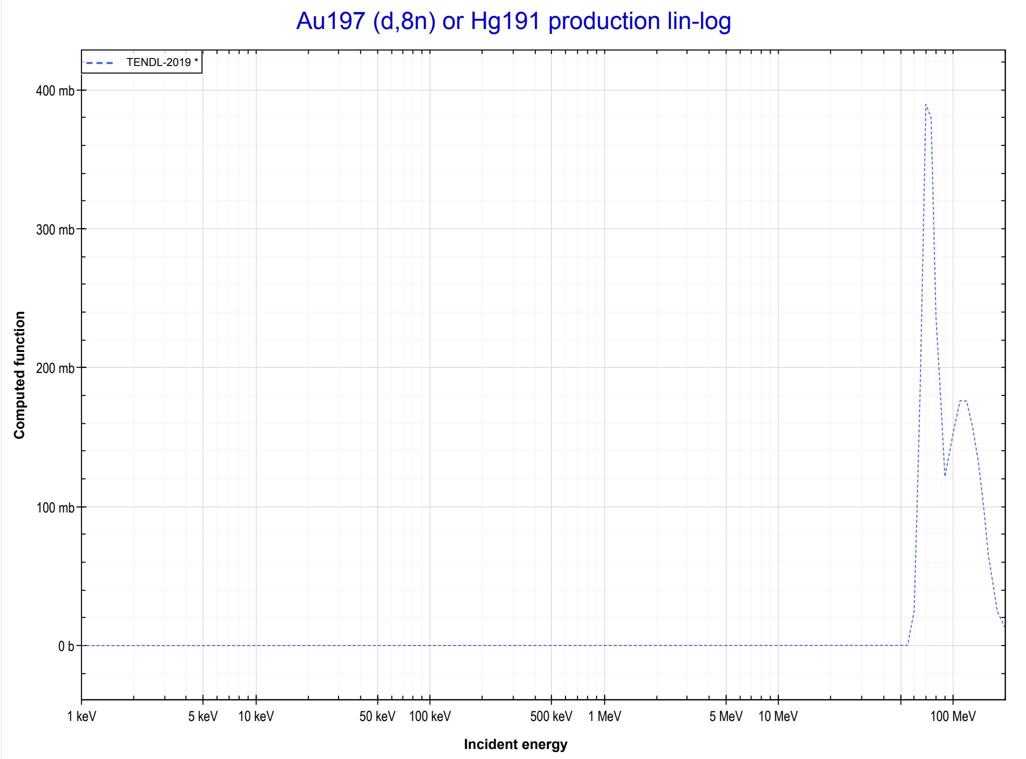
<< 73-Ta-181	**79-Au-197**	83-Bi-209 >>
<< MT157 (d,3n+d)	**MT160 (d,7n) or MT5 (Hg192 production)**	MT161 (d,8n) >>





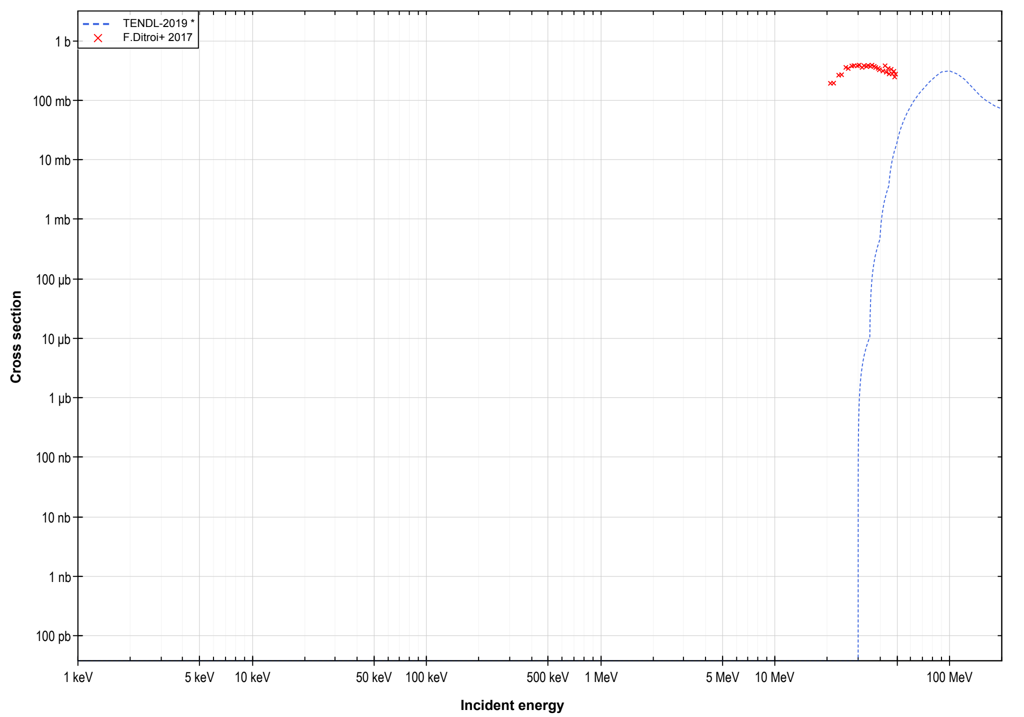
Reaction	Q-Value
Au197(d,7n)Hg192	-42491.20 keV

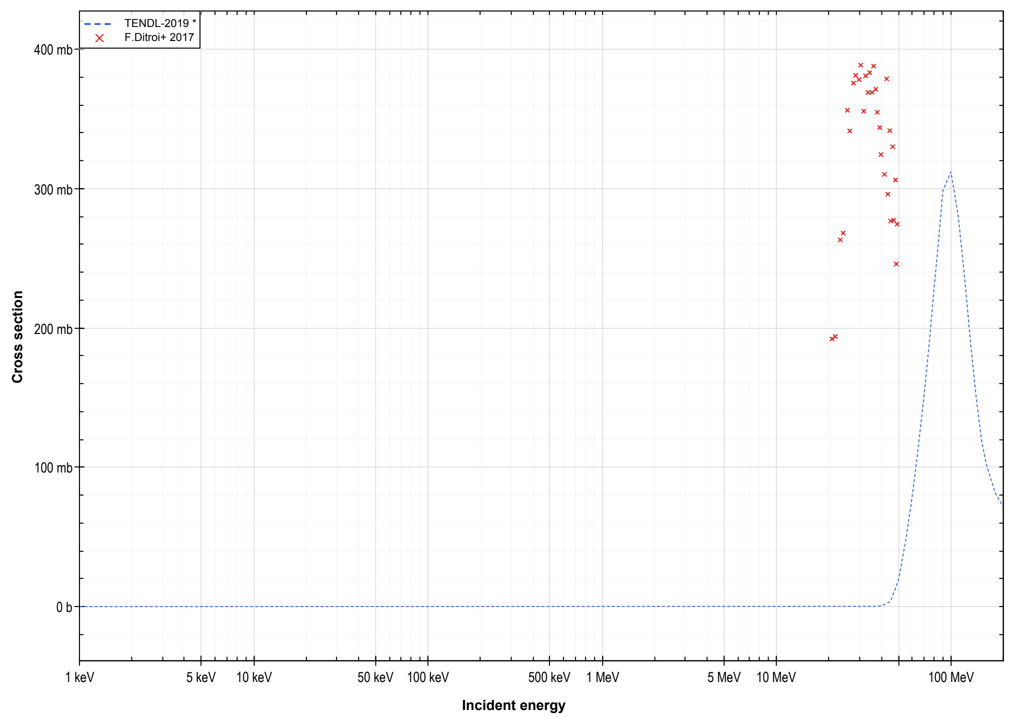




Reaction	Q-Value
Au197(d,8n)Hg191	-51982.52 keV

<< 53-I-127	**79-Au-197**	
<< MT161 (d,8n)	**MT162 (d,5n+p) or MT5 (Au193 production)**	MT163 (d,6n+p) >>

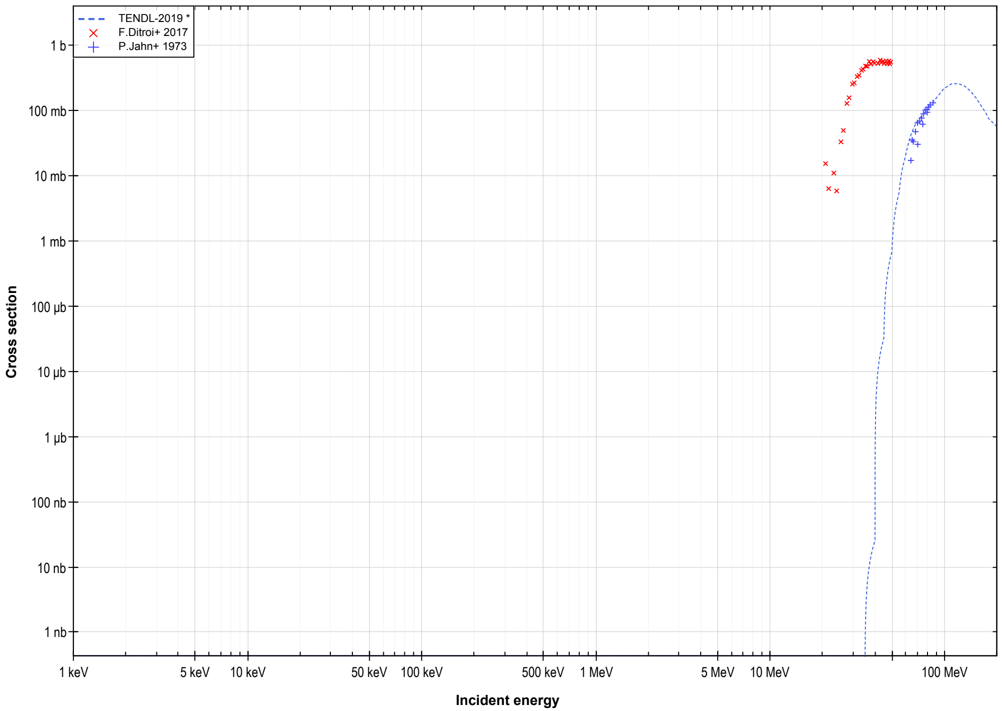




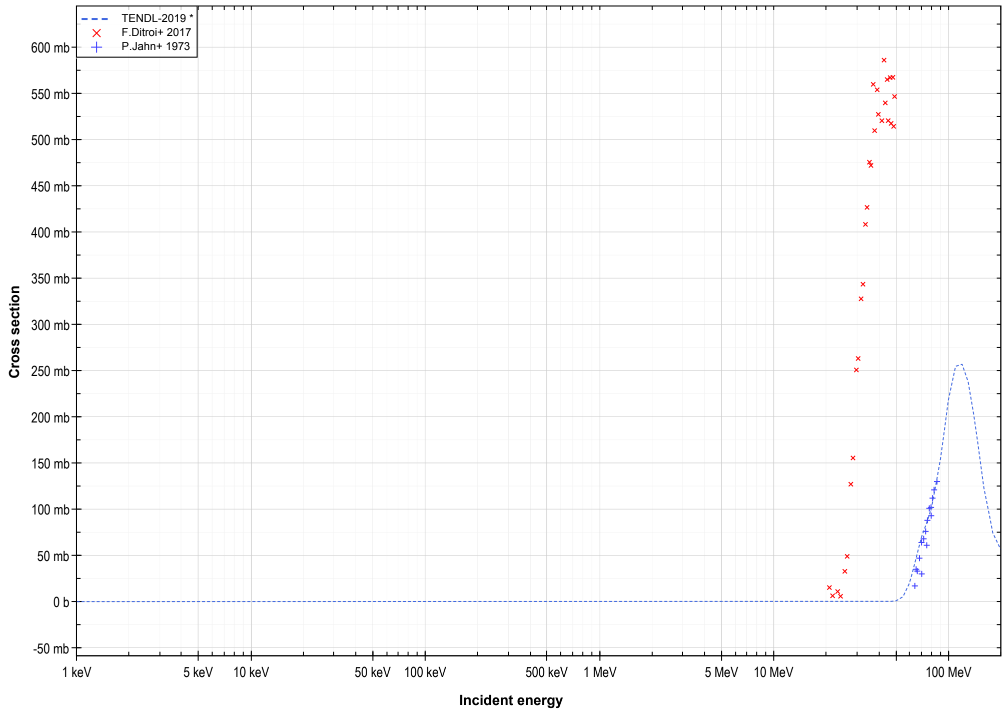
Reaction	Q-Value
Au197(d,3n+t)Au193	-23762.74 keV
Au197(d,4n+d)Au193	-30019.97 keV
Au197(d,5n+p)Au193	-32244.53 keV

	79-Au-197	83-Bi-209 >>
<< MT162 (d,5n+p)	**MT163 (d,6n+p) or MT5 (Au192 production)**	MT164 (d,7n+p) >>

Au197 (d,6n+p) or Au192 production log-log



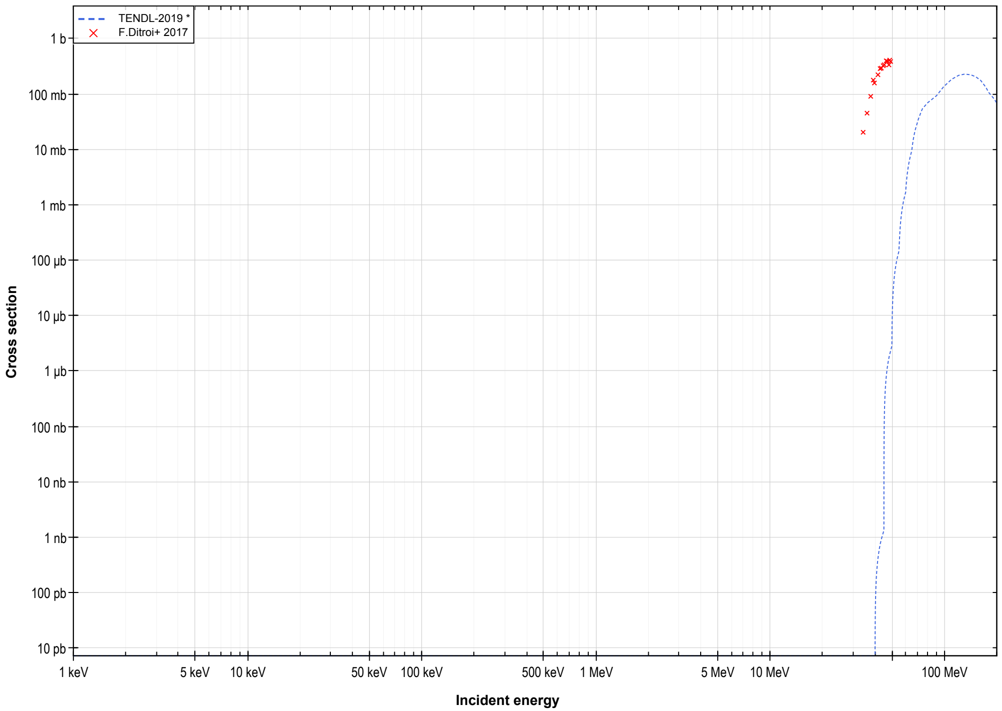
Au197 (d,6n+p) or Au192 production lin-log



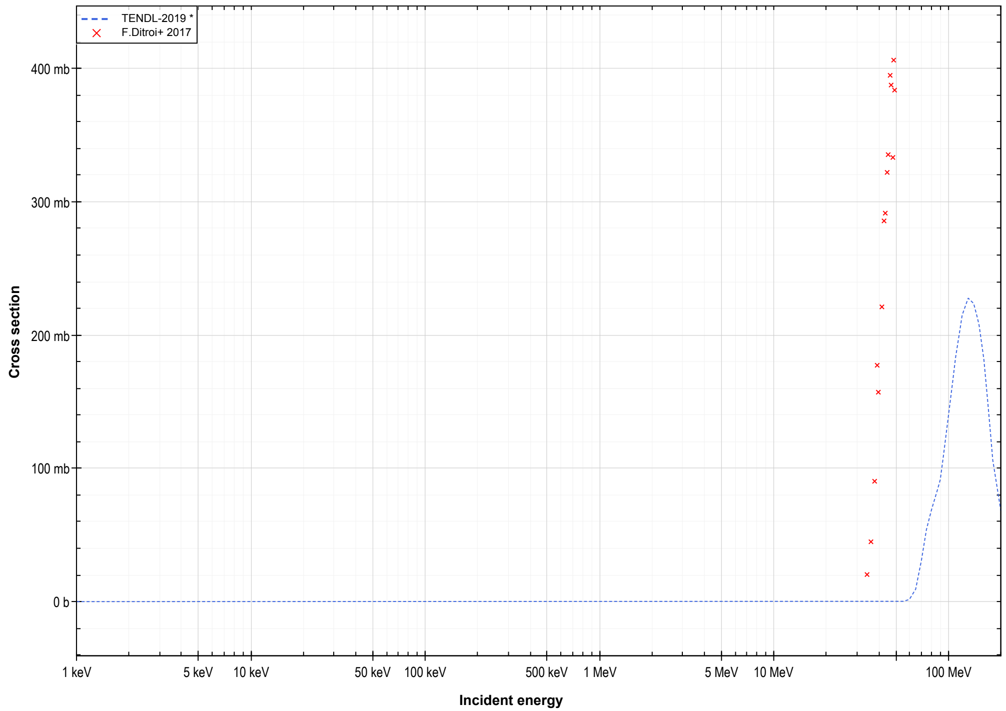
Reaction	Q-Value
Au197(d,4n+t)Au192	-32467.06 keV
Au197(d,5n+d)Au192	-38724.29 keV
Au197(d,6n+p)Au192	-40948.85 keV

<< 53-I-127	**79-Au-197**	83-Bi-209 >>
<< MT163 (d,6n+p)	**MT164 (d,7n+p) or MT5 (Au191 production)**	MT169 (d,4n+d) >>

Au197 (d,7n+p) or Au191 production log-log

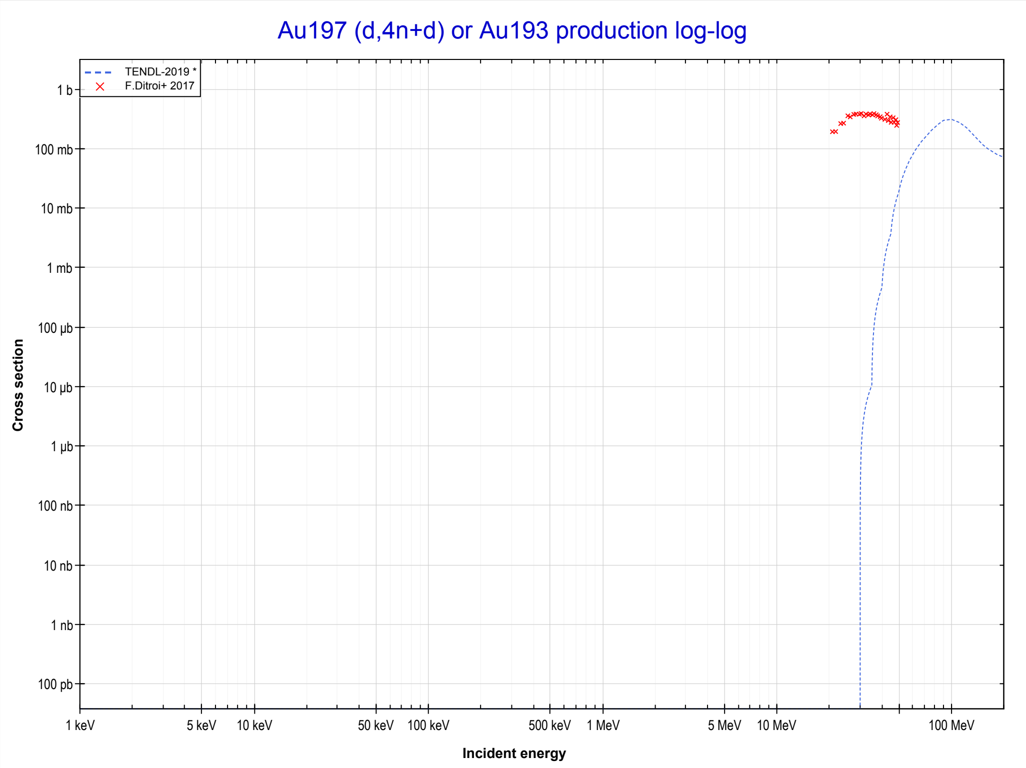


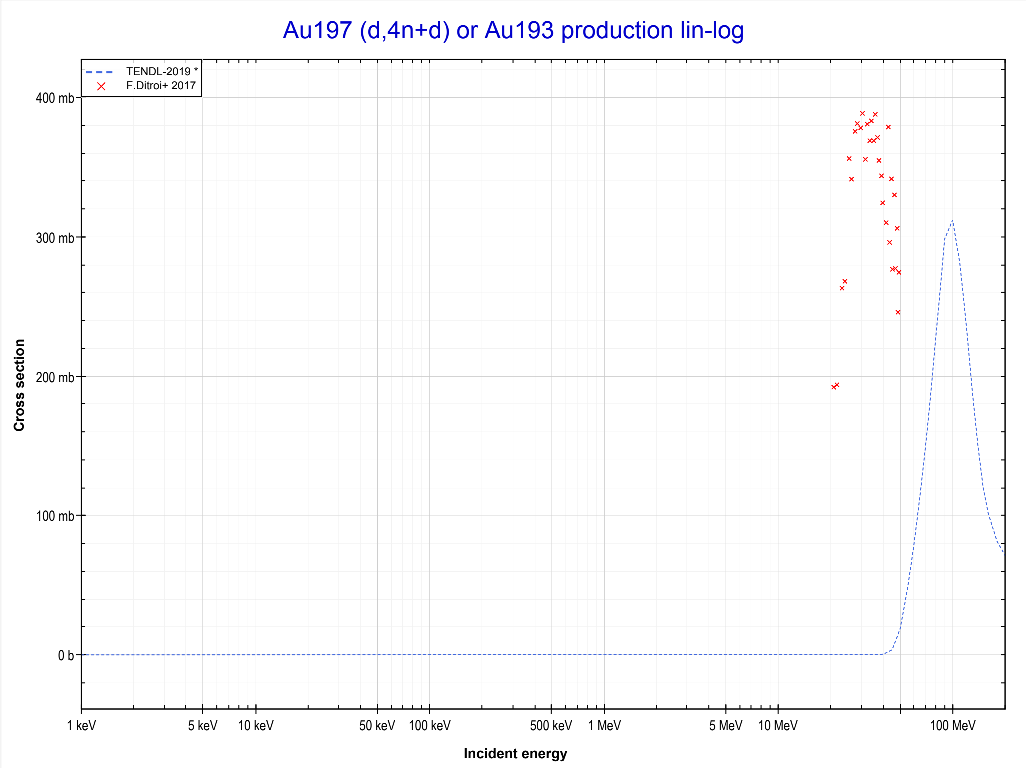
Au197 (d,7n+p) or Au191 production lin-log



Reaction	Q-Value
Au197(d,5n+t)Au191	-39512.37 keV
Au197(d,6n+d)Au191	-45769.60 keV
Au197(d,7n+p)Au191	-47994.17 keV

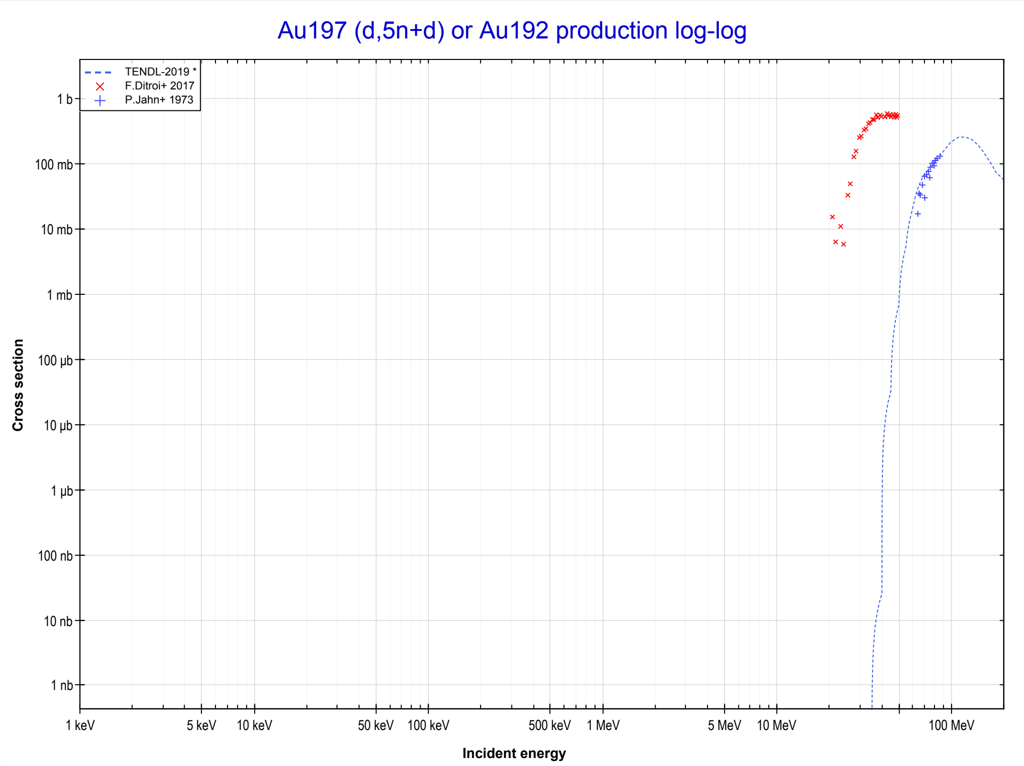
<< 53-I-127	**79-Au-197**	
<< MT164 (d,7n+p)	**MT169 (d,4n+d) or MT5 (Au193 production)**	MT170 (d,5n+d) >>

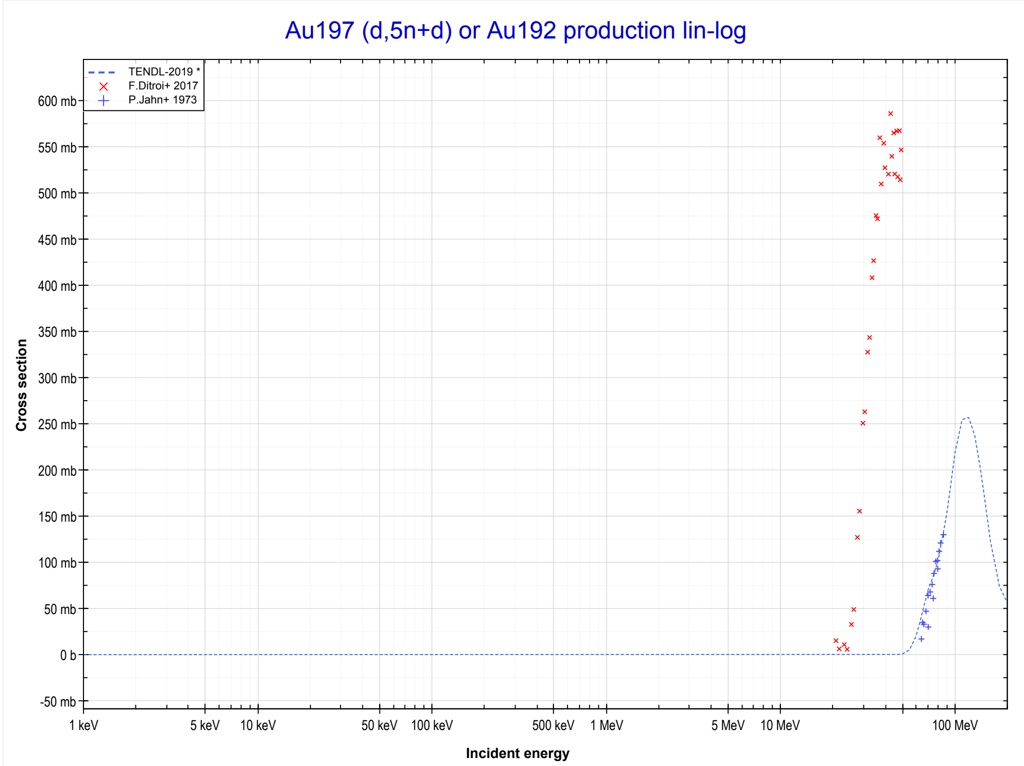




Reaction	Q-Value
Au197(d,3n+t)Au193	-23762.74 keV
Au197(d,4n+d)Au193	-30019.97 keV
Au197(d,5n+p)Au193	-32244.53 keV

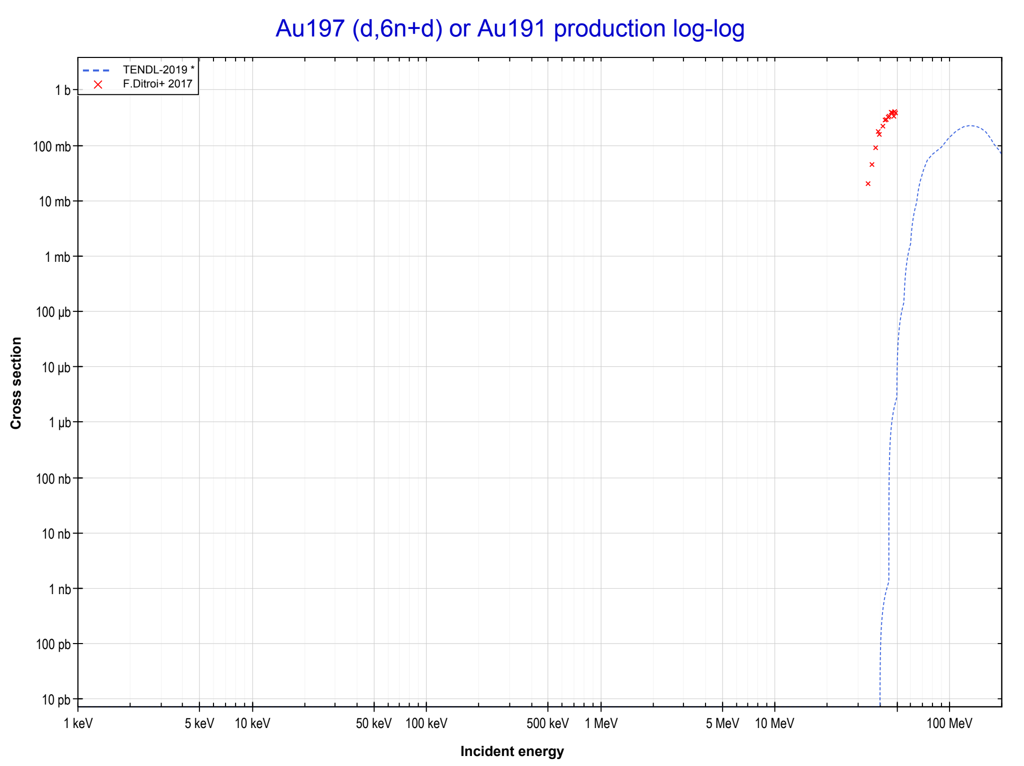
	79-Au-197	83-Bi-209 >>
<< MT169 (d,4n+d)	**MT170 (d,5n+d) or MT5 (Au192 production)**	MT171 (d,6n+d) >>

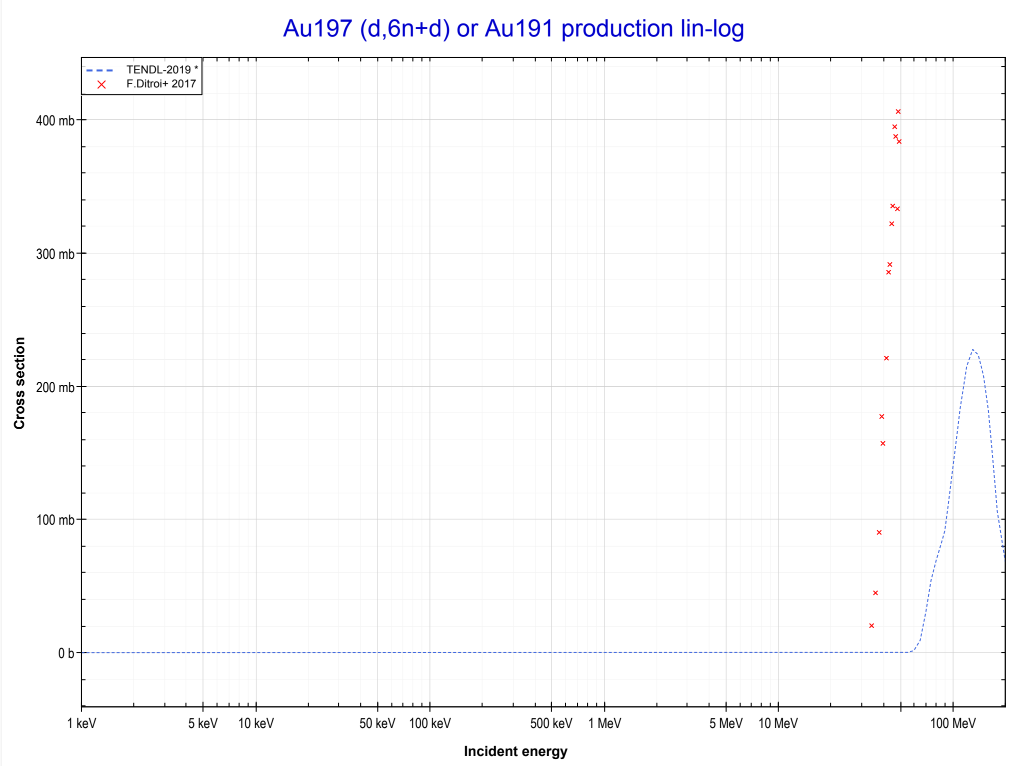




Reaction	Q-Value
Au197(d,4n+t)Au192	-32467.06 keV
Au197(d,5n+d)Au192	-38724.29 keV
Au197(d,6n+p)Au192	-40948.85 keV

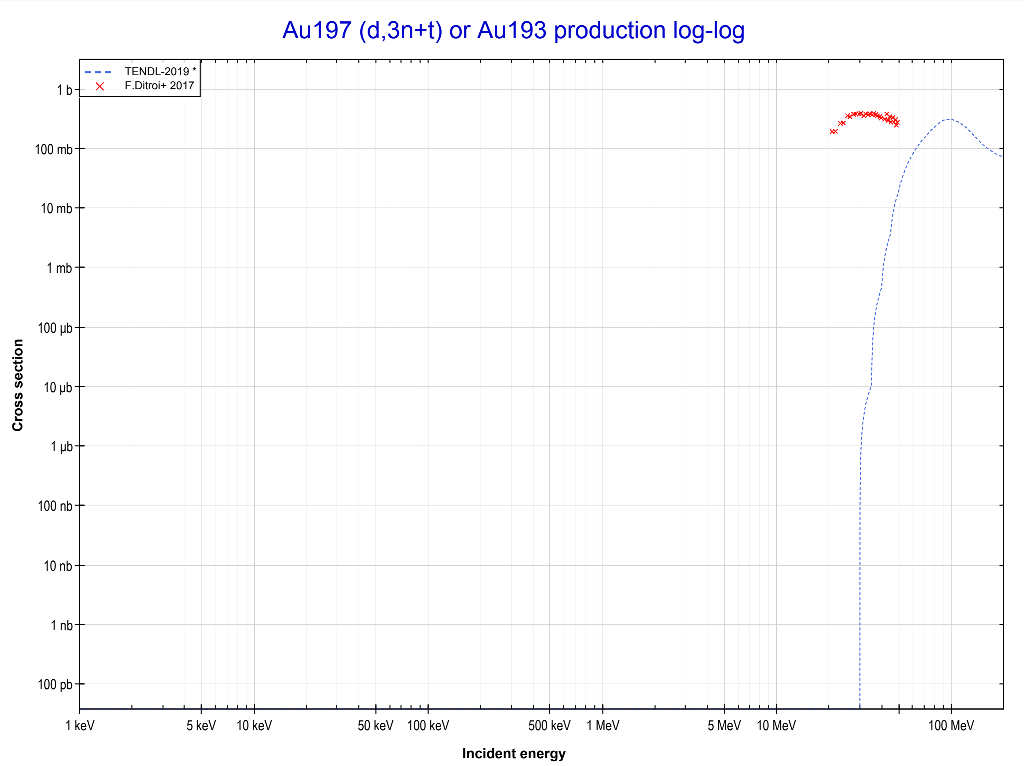
<< 53-I-127	**79-Au-197**	83-Bi-209 >>
<< MT170 (d,5n+d)	**MT171 (d,6n+d) or MT5 (Au191 production)**	MT172 (d,3n+t) >>

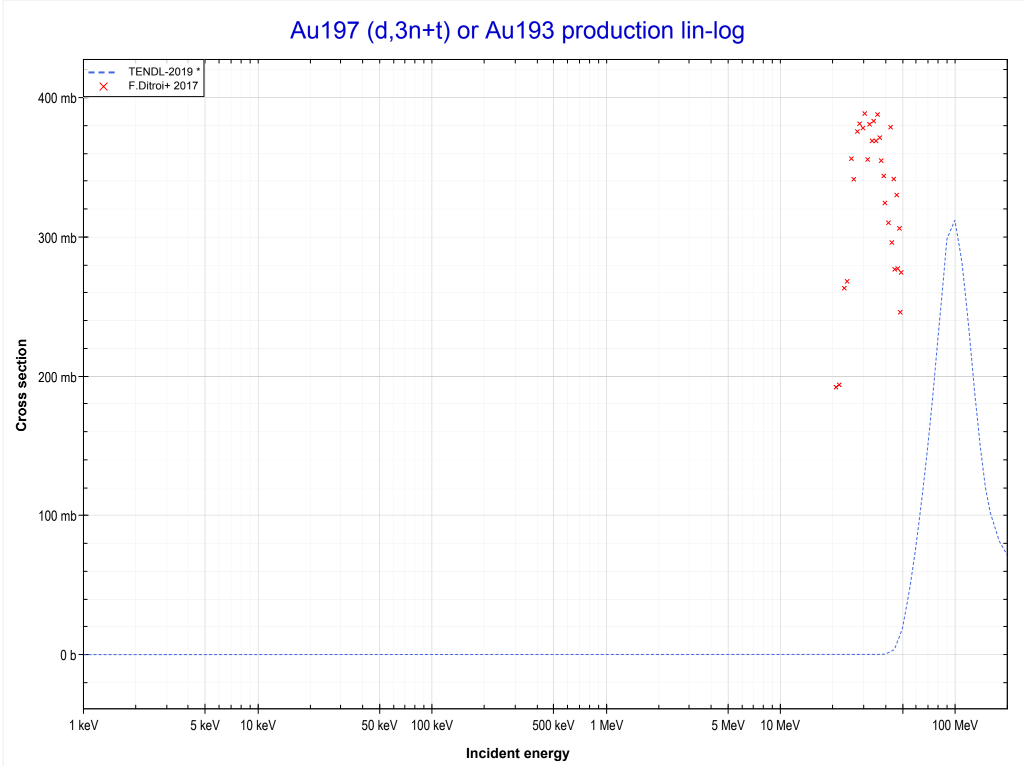




Reaction	Q-Value
Au197(d,5n+t)Au191	-39512.37 keV
Au197(d,6n+d)Au191	-45769.60 keV
Au197(d,7n+p)Au191	-47994.17 keV

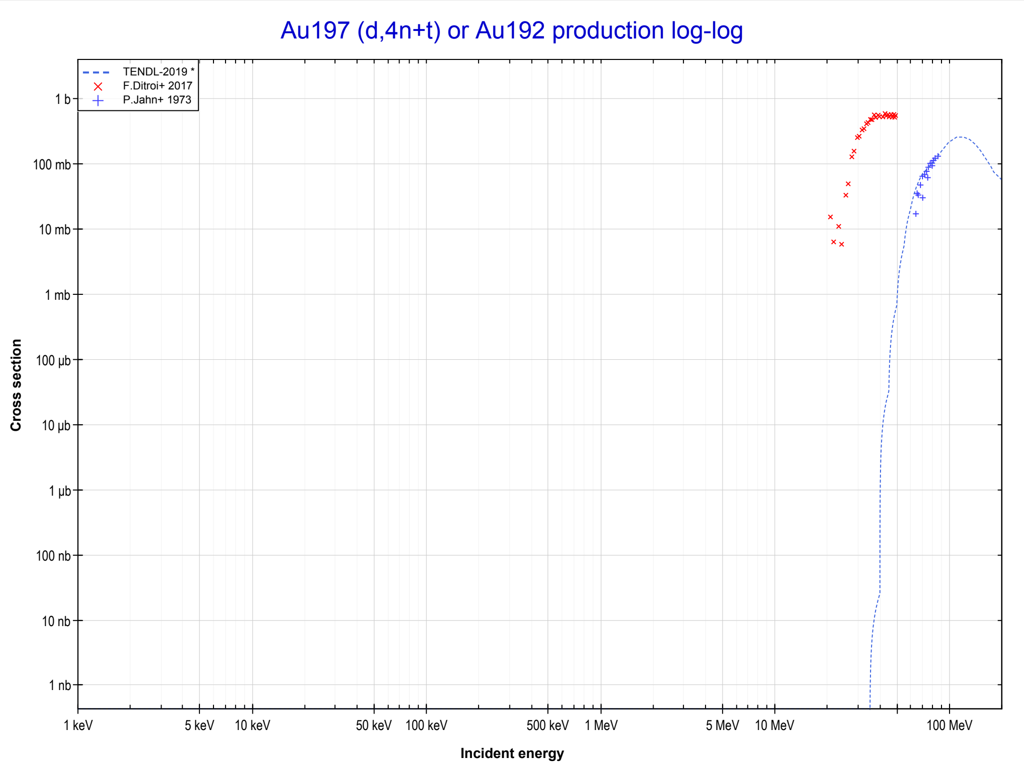
<< 53-I-127	79-Au-197	
<< MT171 (d,6n+d)	**MT172 (d,3n+t) or MT5 (Au193 production)**	MT173 (d,4n+t) >>

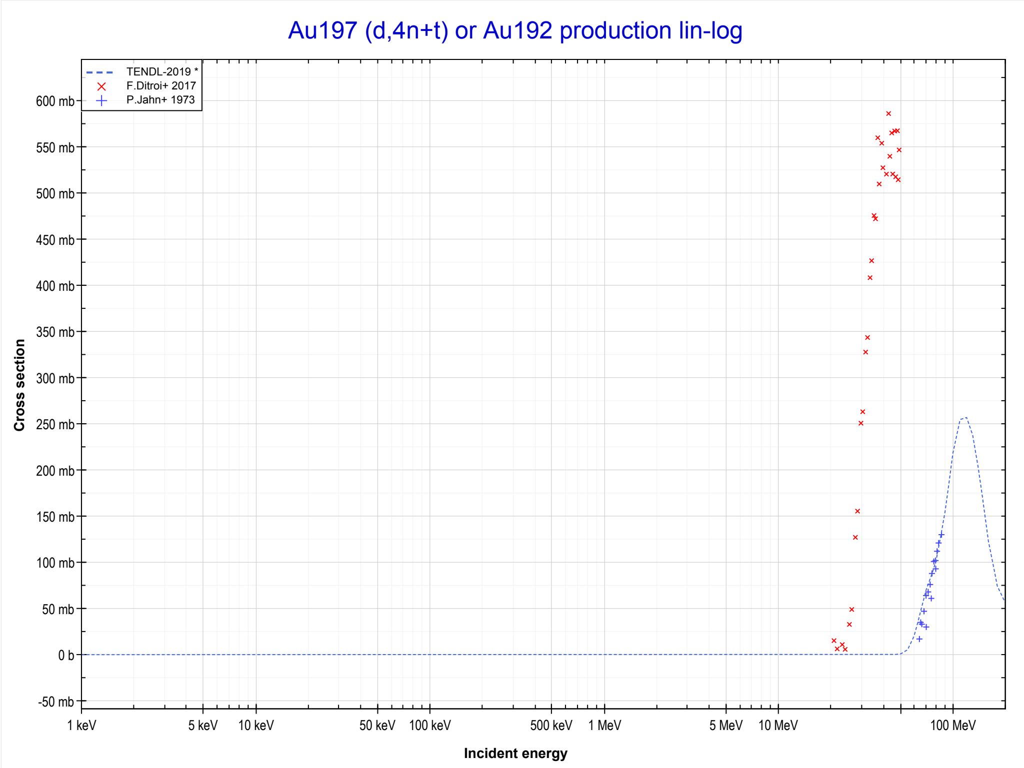




Reaction	Q-Value
Au197(d,3n+t)Au193	-23762.74 keV
Au197(d,4n+d)Au193	-30019.97 keV
Au197(d,5n+p)Au193	-32244.53 keV

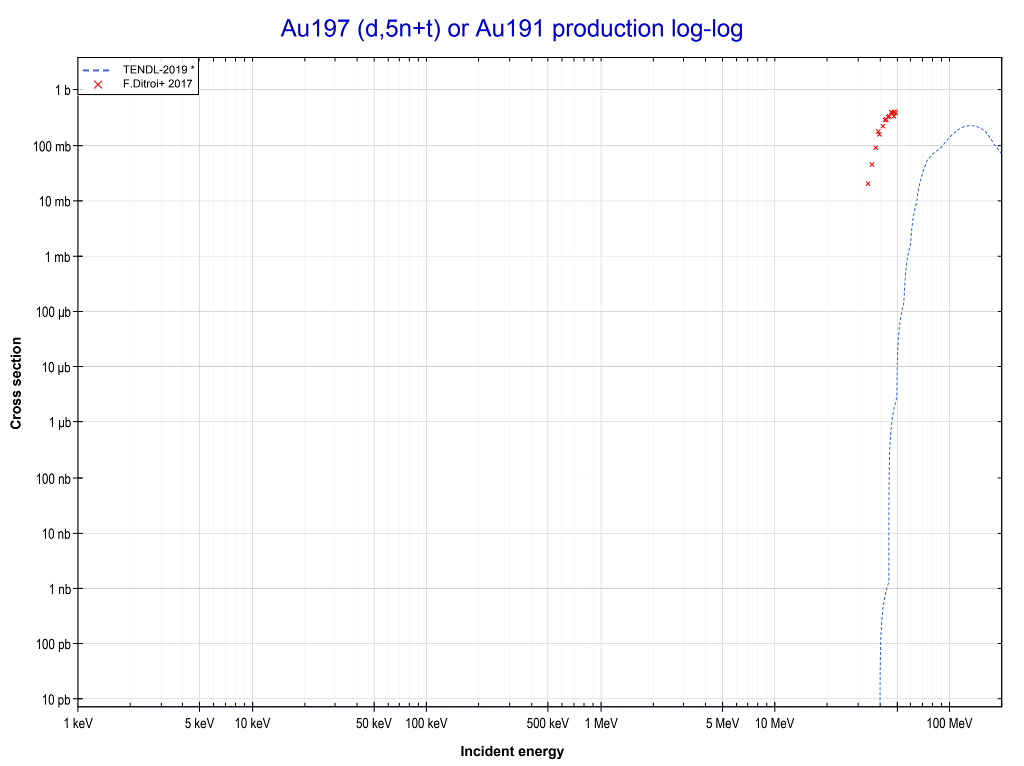
	79-Au-197	83-Bi-209 >>
<< MT172 (d,3n+t)	**MT173 (d,4n+t) or MT5 (Au192 production)**	MT174 (d,5n+t) >>

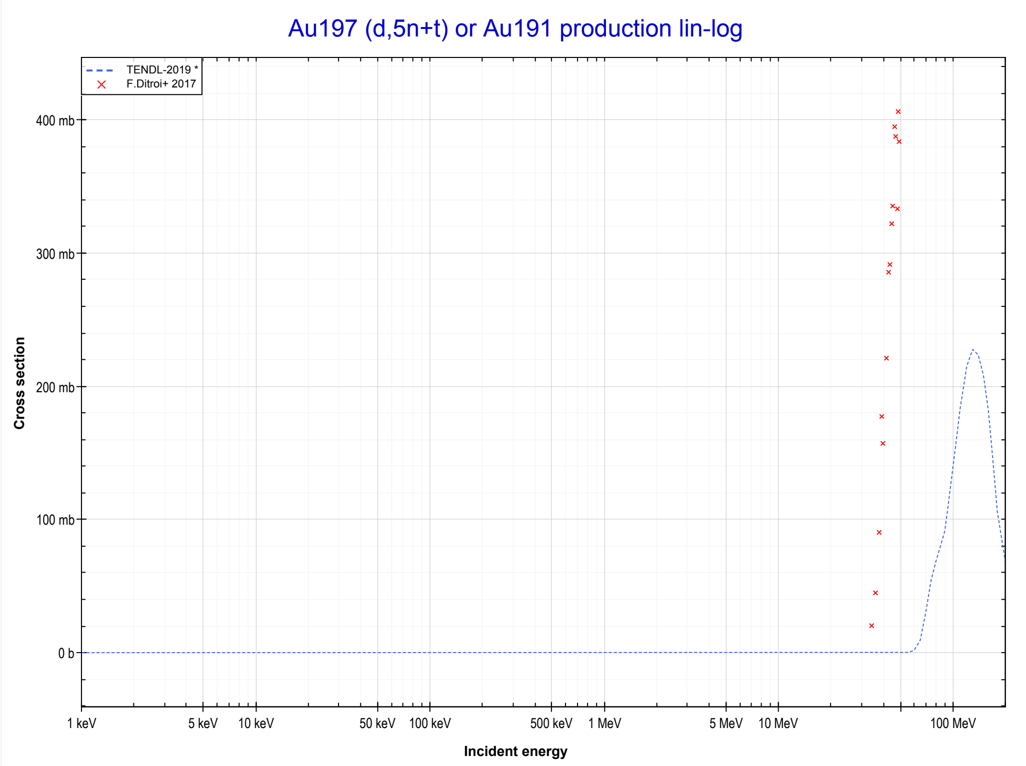




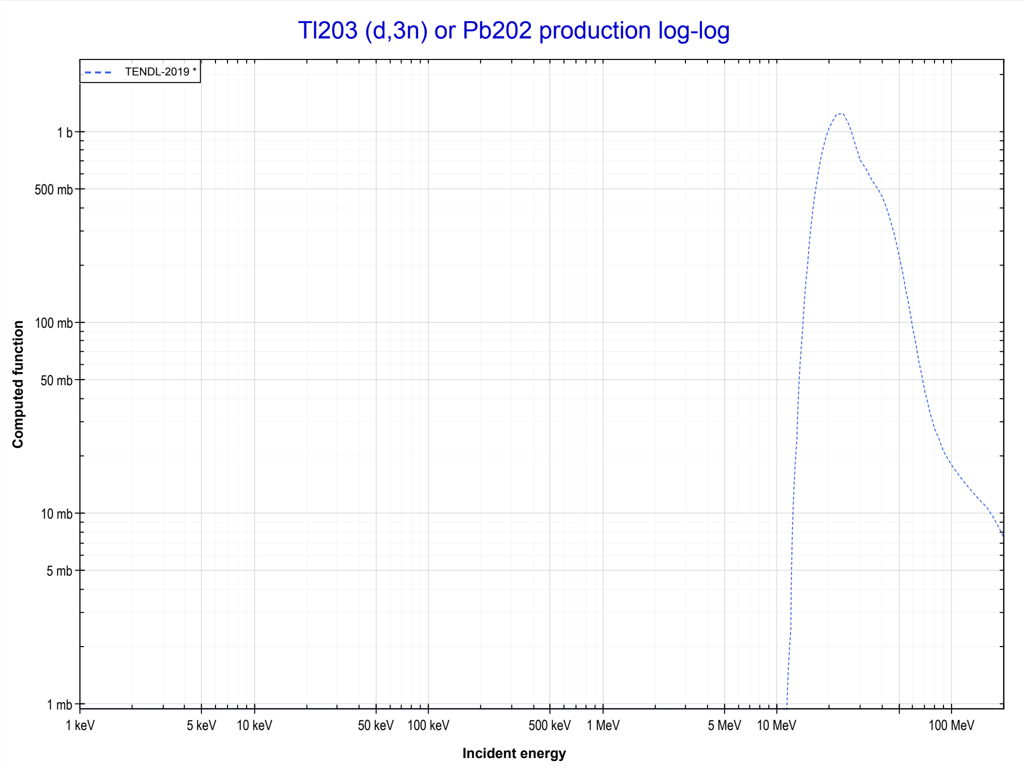
Reaction	Q-Value
Au197(d,4n+t)Au192	-32467.06 keV
Au197(d,5n+d)Au192	-38724.29 keV
Au197(d,6n+p)Au192	-40948.85 keV

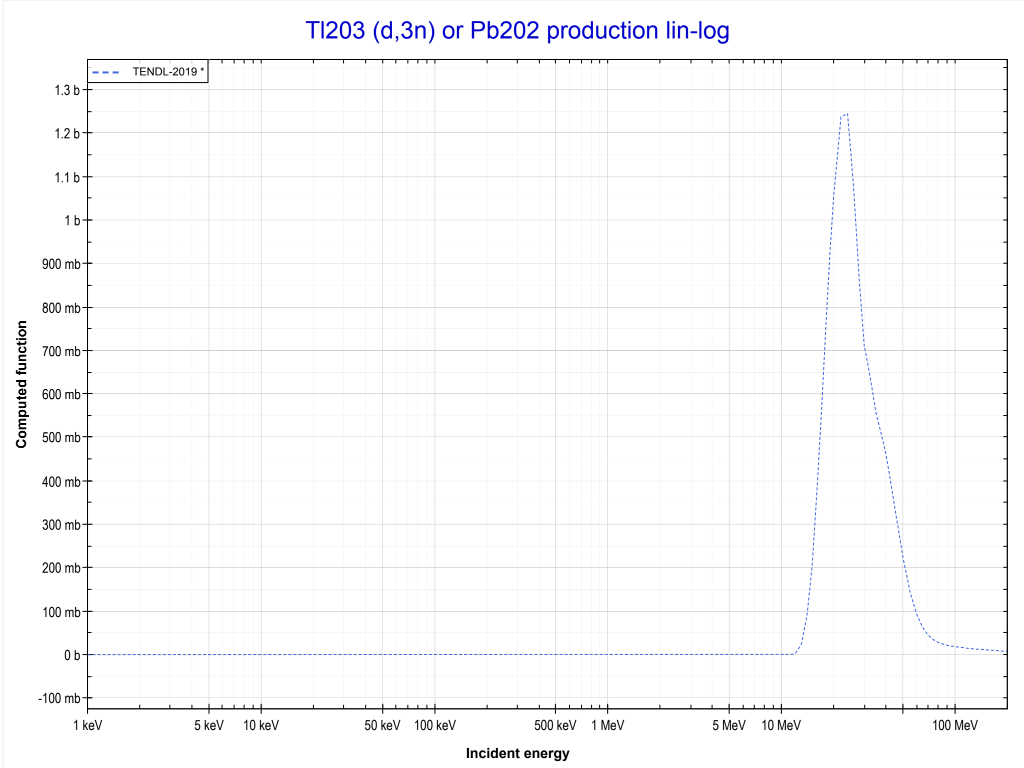
<< 53-I-127	**79-Au-197**	83-Bi-209 >>
<< MT173 (d,4n+t)	**MT174 (d,5n+t) or MT5 (Au191 production)**	81-Tl-203 MT17 (d,3n) >>



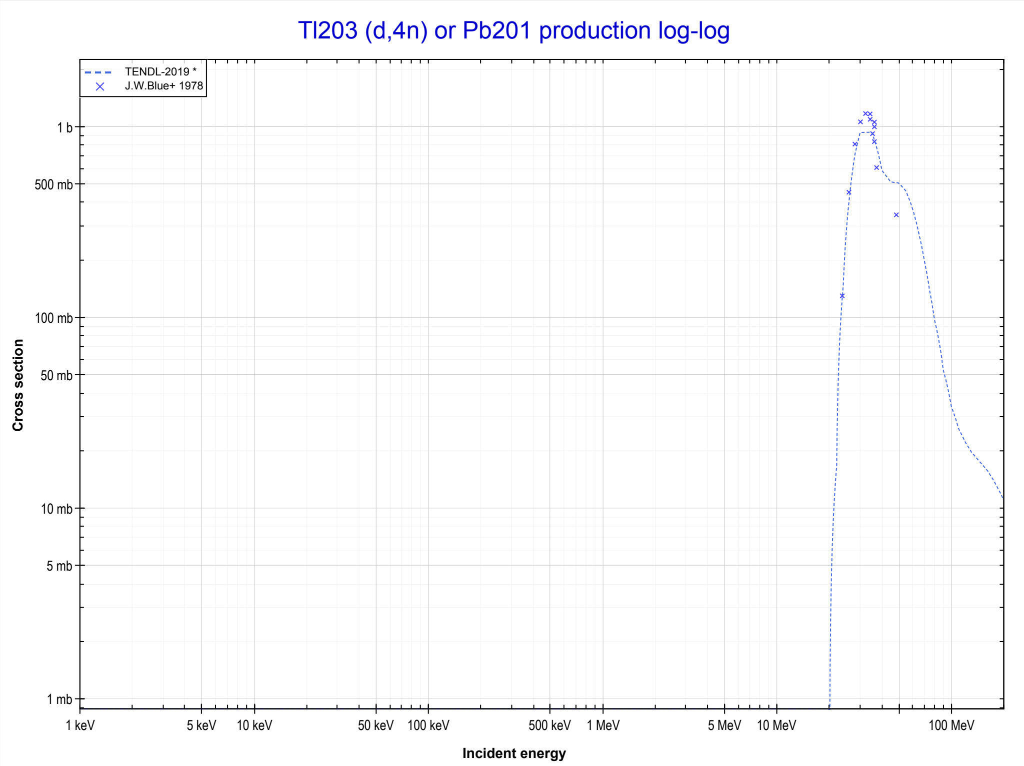


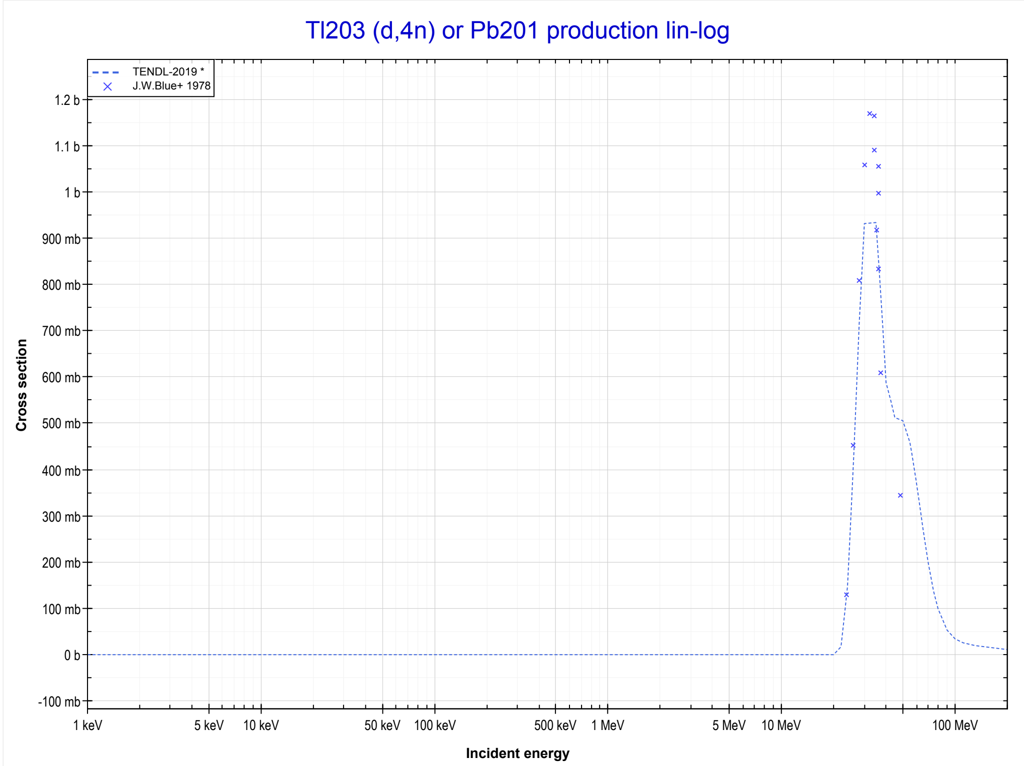
Reaction	Q-Value
Au197(d,5n+t)Au191	-39512.37 keV
Au197(d,6n+d)Au191	-45769.60 keV
Au197(d,7n+p)Au191	-47994.17 keV





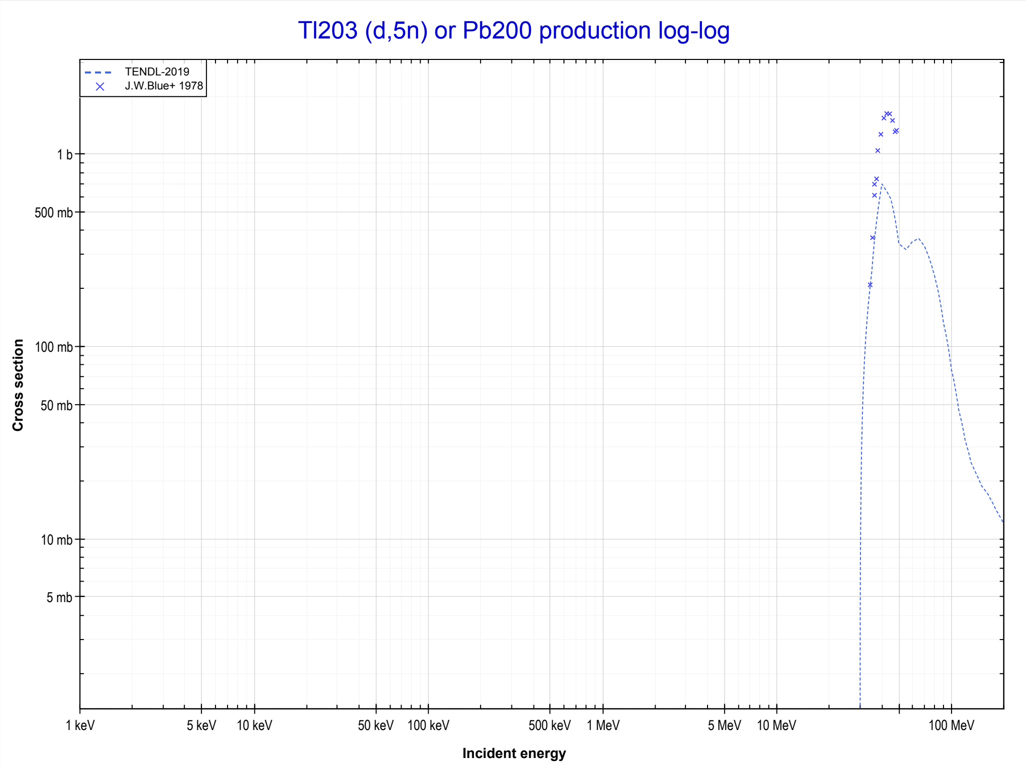
Reaction	Q-Value
Tl203(d,3n)Pb202	-10898.63 keV

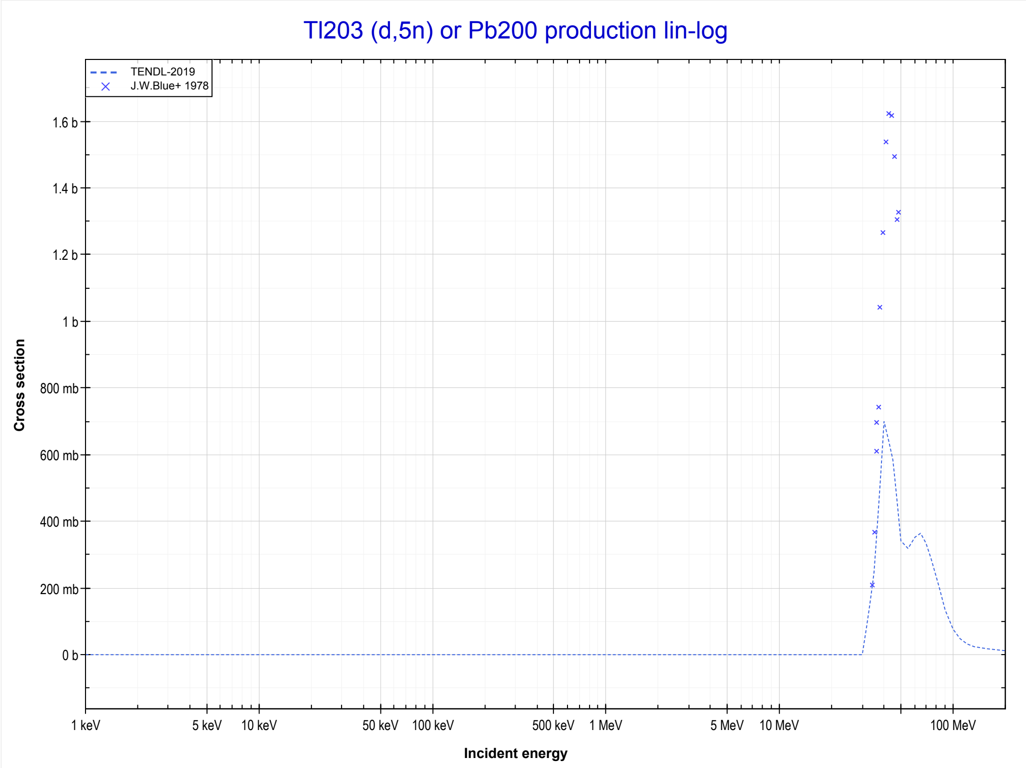




Reaction	Q-Value
Tl203(d,4n)Pb201	-19639.95 keV

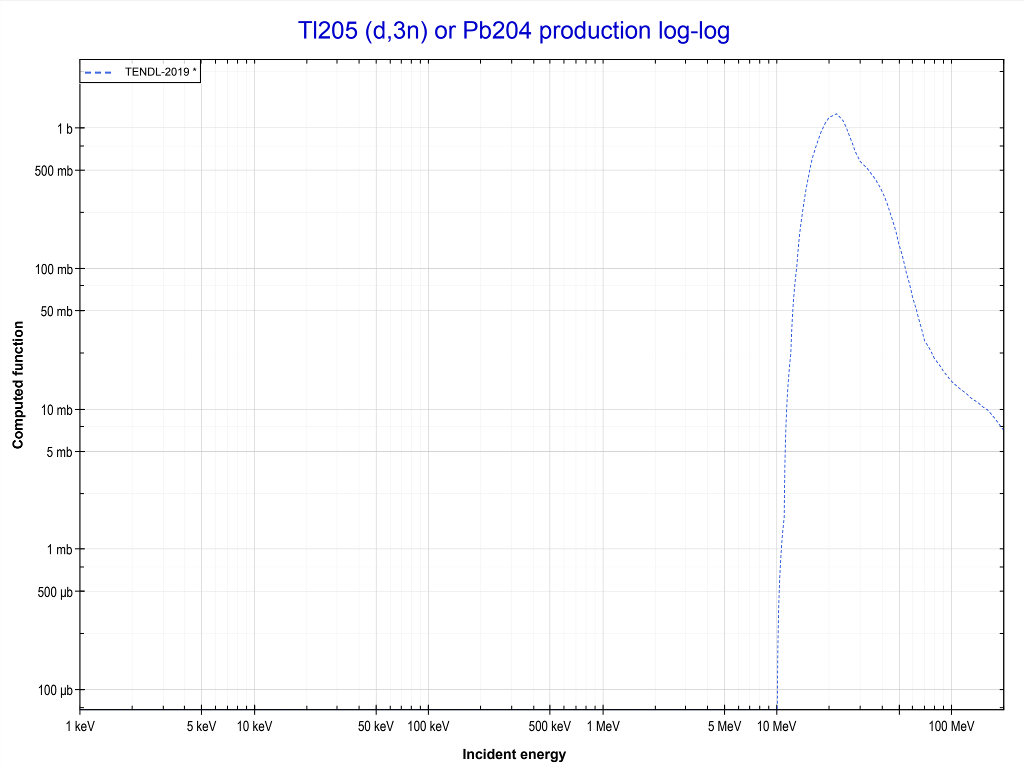
<< 73-Ta-181	**81-Tl-203**	81-Tl-205 >>
<< MT37 (d,4n)	**MT152 (d,5n) or MT5 (Pb200 production)**	81-Tl-205 MT17 (d,3n) >>

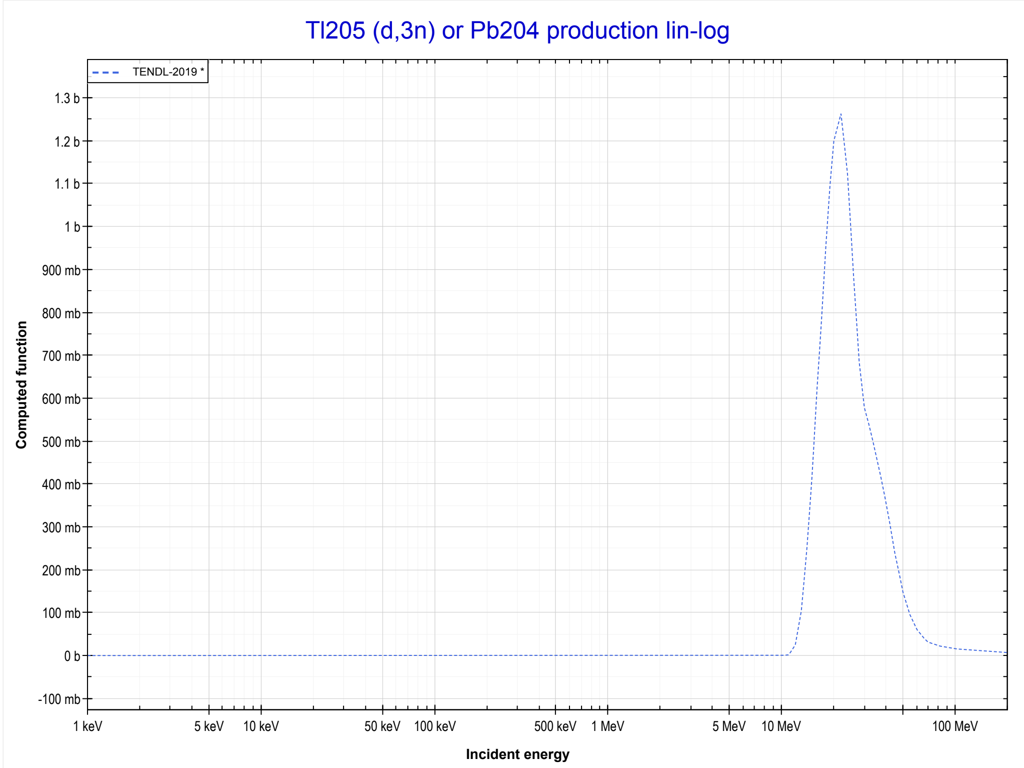




Reaction	Q-Value
Tl203(d,5n)Pb200	-26731.26 keV

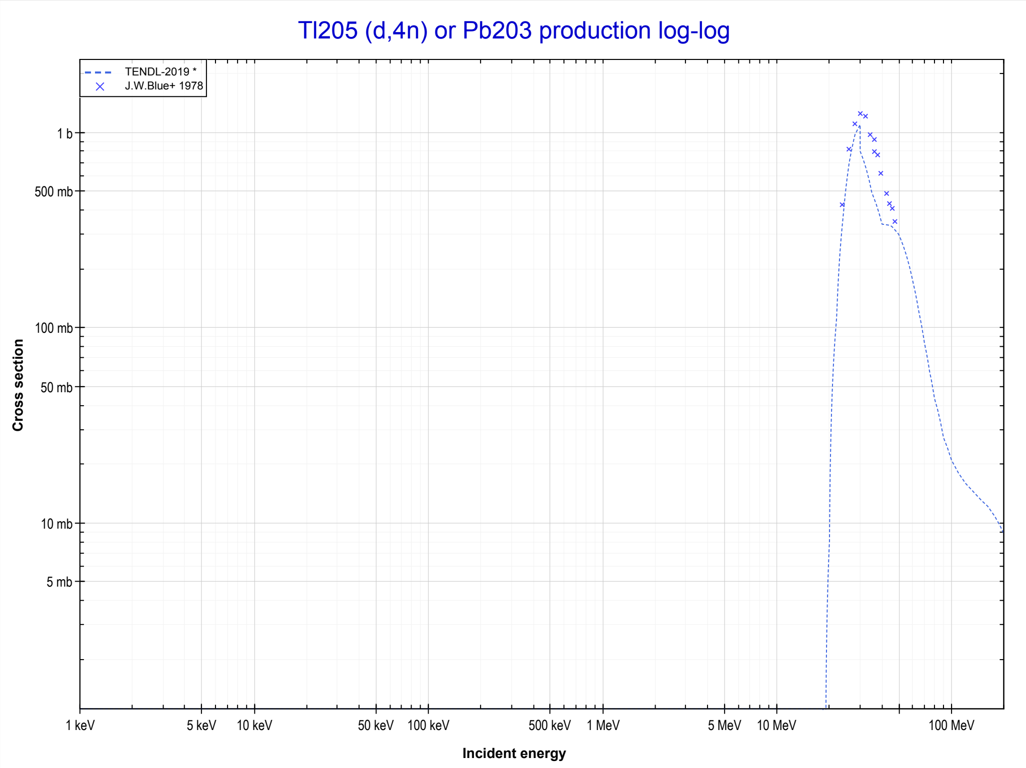
<< 81-Tl-203	**81-Tl-205**	83-Bi-209 >>
<< 81-Tl-203 MT152 (d,5n)	**MT17 (d,3n) or MT5 (Pb204 production)**	MT37 (d,4n) >>

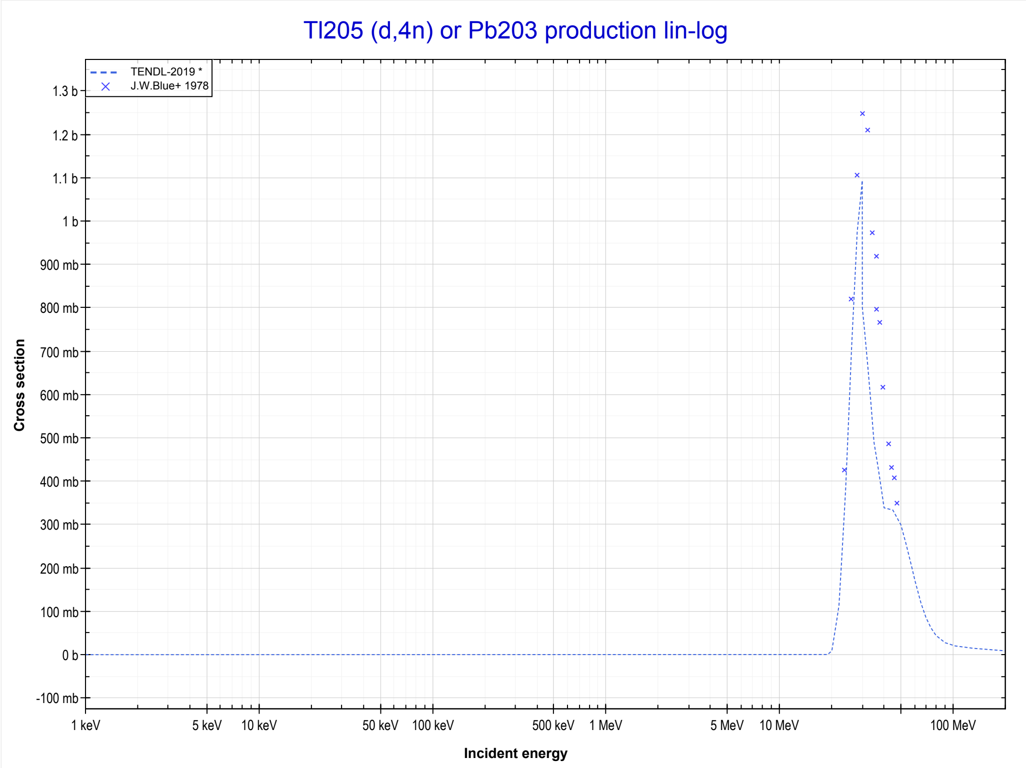




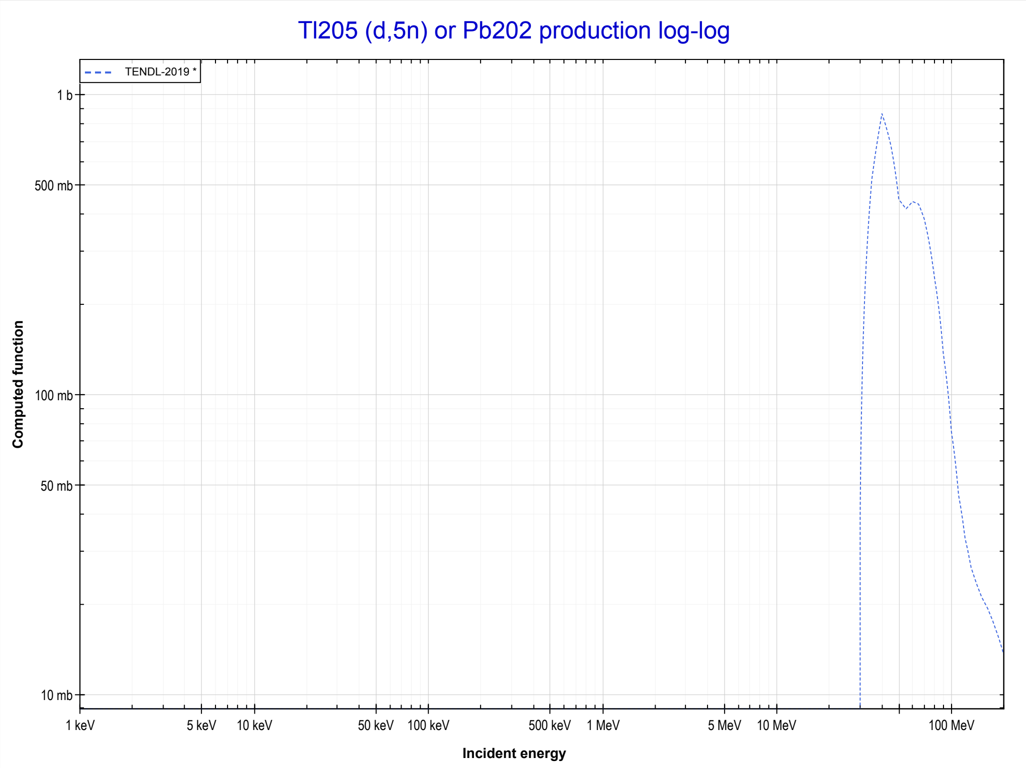
Reaction	Q-Value
Tl205(d,3n)Pb204	-9789.23 keV

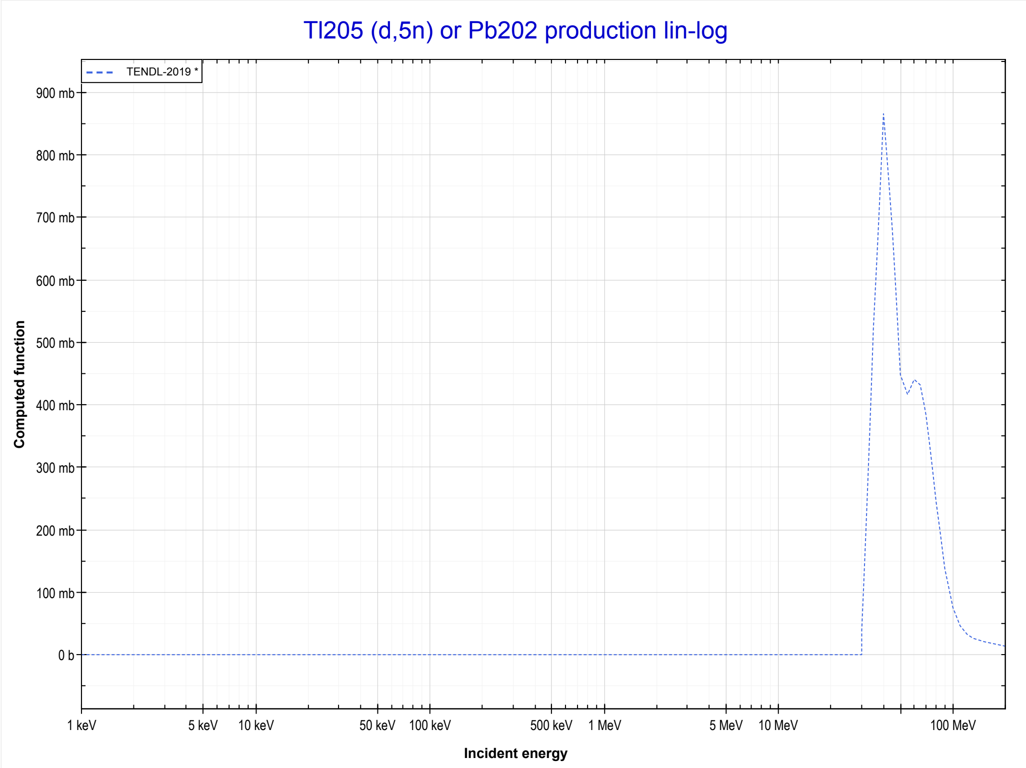
<< 81-Tl-203	**81-Tl-205**	83-Bi-209 >>
<< MT17 (d,3n)	**MT37 (d,4n) or MT5 (Pb203 production)**	MT152 (d,5n) >>





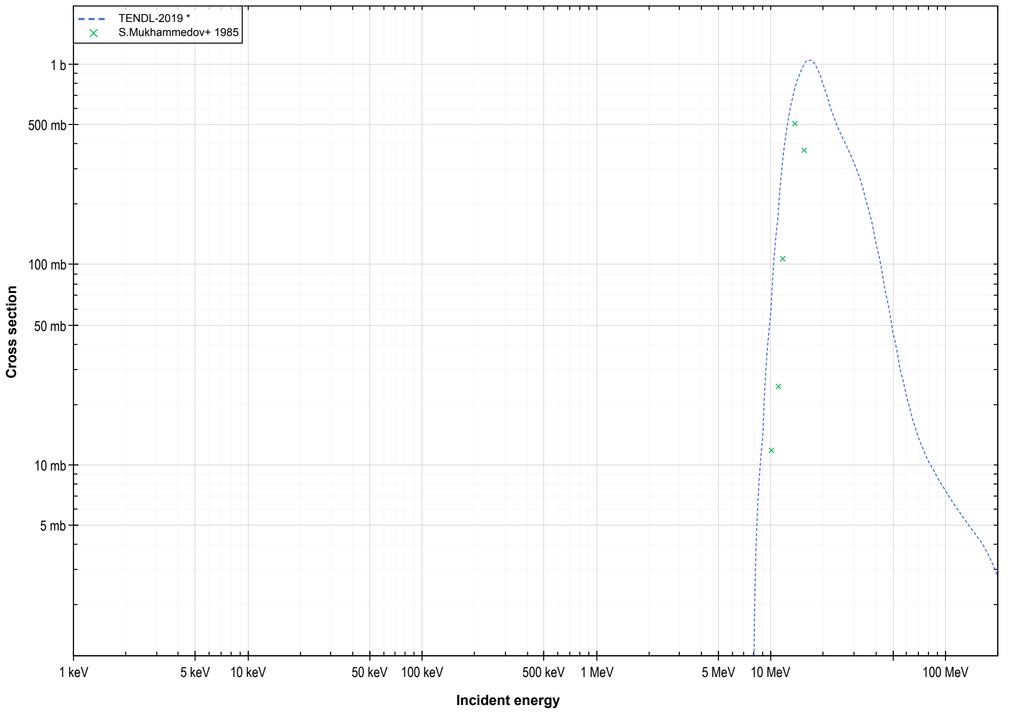
Reaction	Q-Value
Tl205(d,4n)Pb203	-18183.45 keV



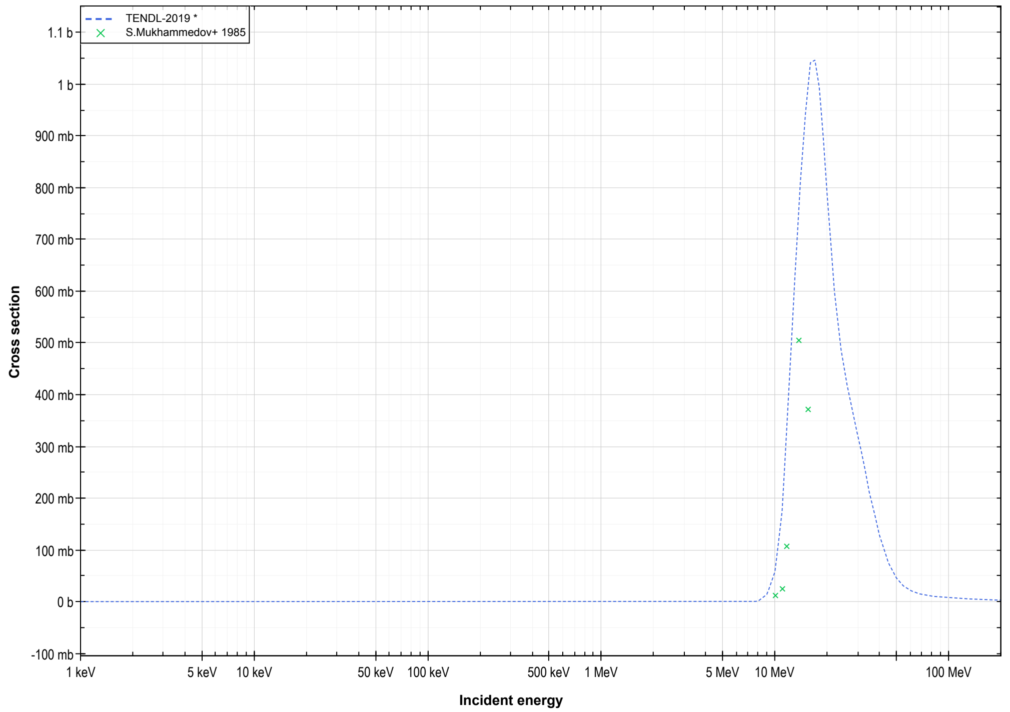


Reaction	Q-Value
Tl205(d,5n)Pb202	-25100.76 keV

Pb204 (d,2n) or Bi204 production log-log

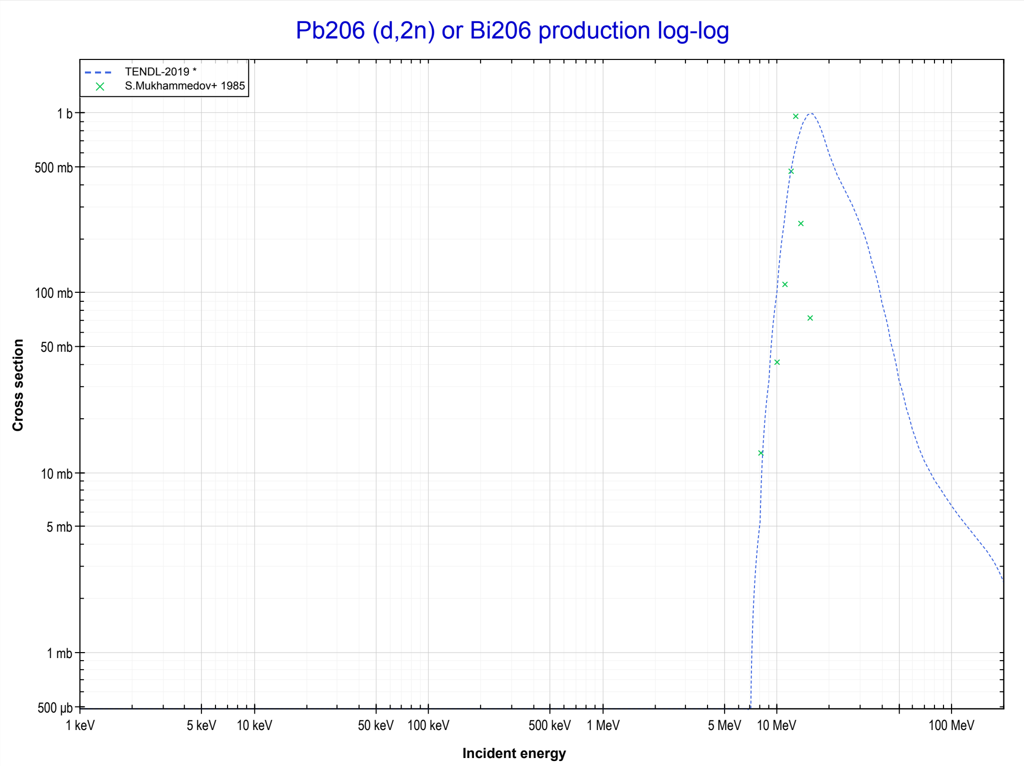


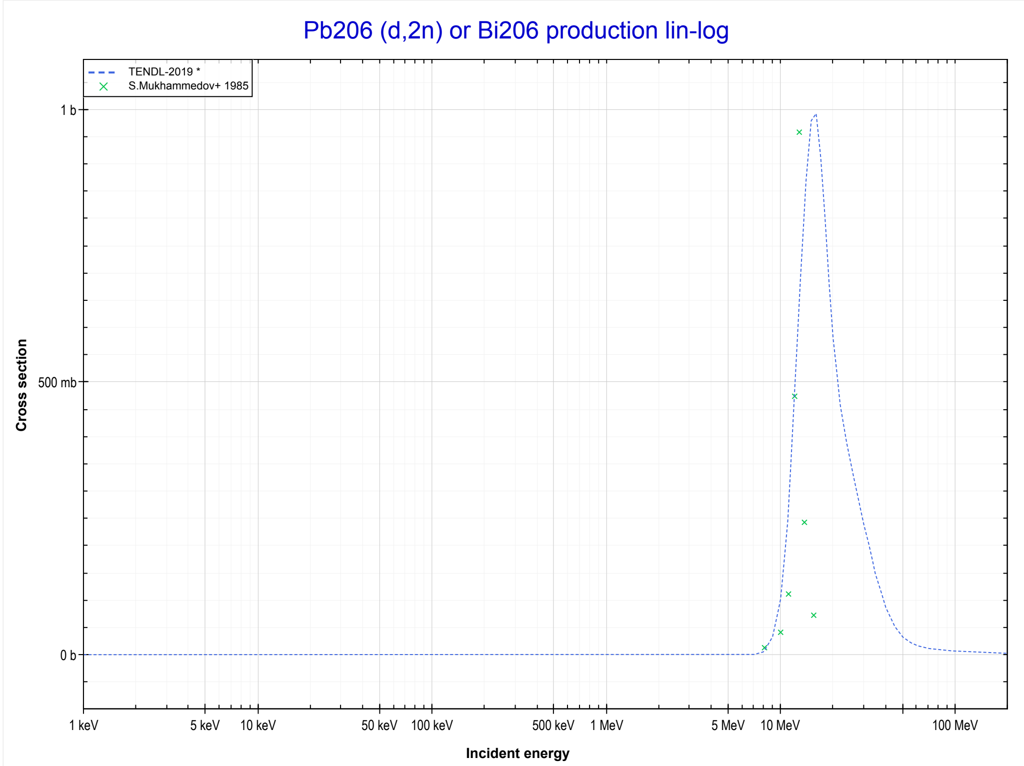
Pb204 (d,2n) or Bi204 production lin-log



Reaction	Q-Value
Pb204(d,2n)Bi204	-7470.81 keV

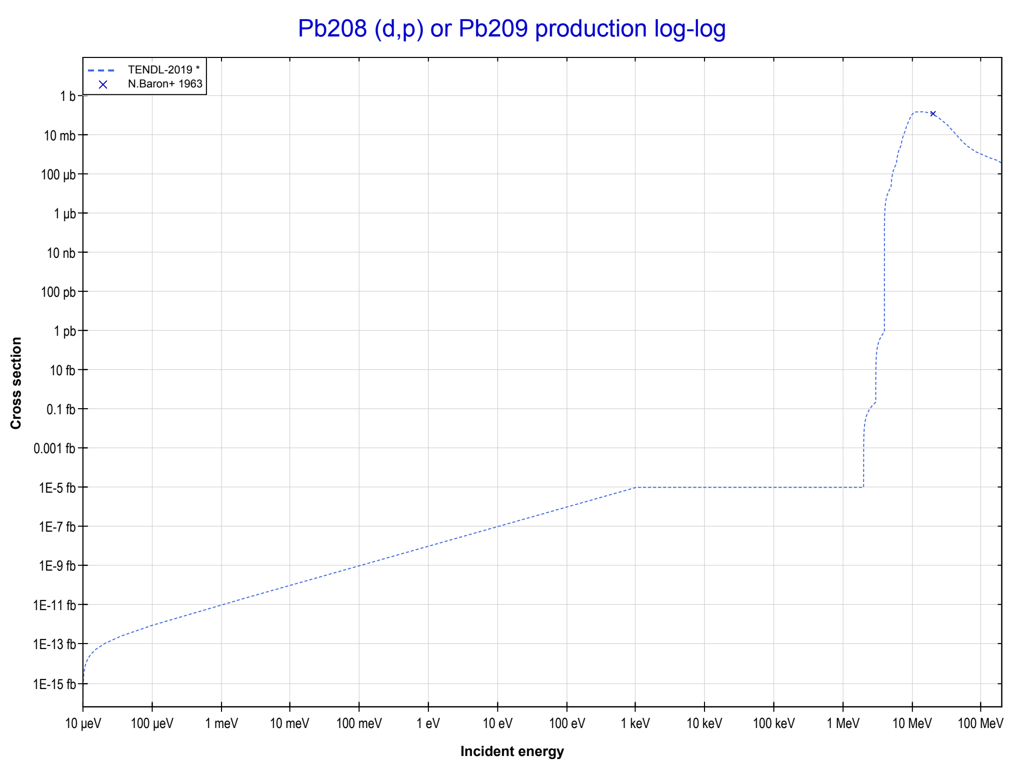
<< 82-Pb-204	**82-Pb-206**	83-Bi-209 >>
<< 82-Pb-204 MT16 (d,2n)	**MT16 (d,2n) or MT5 (Bi206 production)**	82-Pb-208 MT103 (d,p) >>

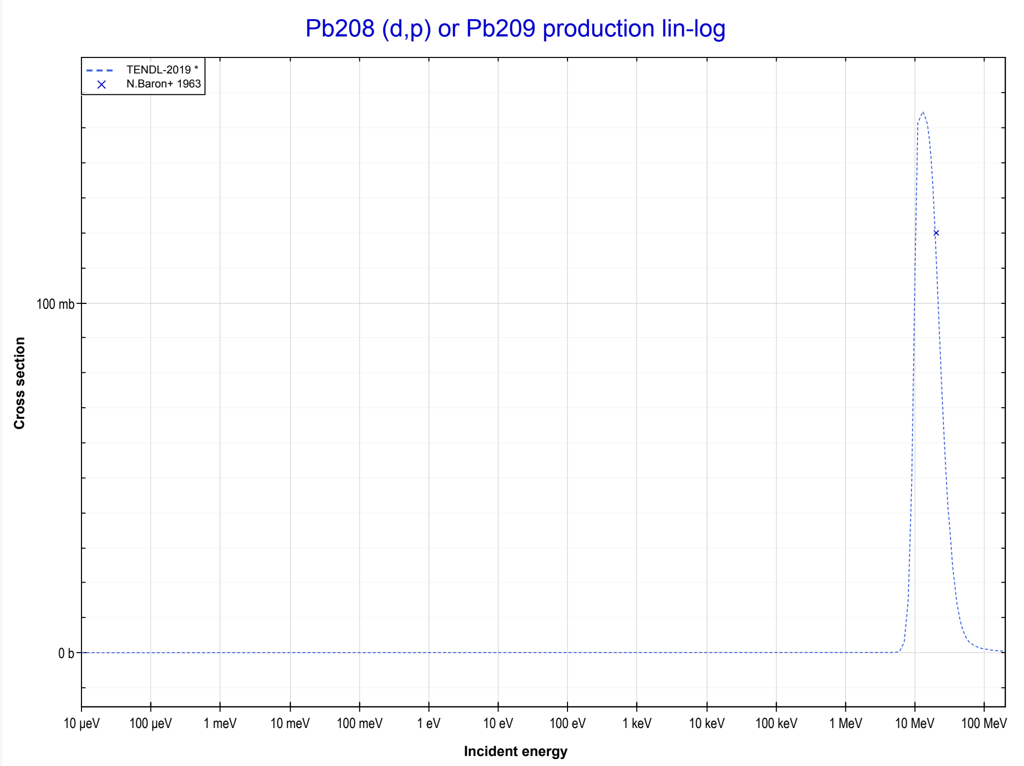




Reaction	Q-Value
Pb206(d,2n)Bi206	-6764.51 keV

<< 79-Au-197	**82-Pb-208**	83-Bi-209 >>
<< 82-Pb-206 MT16 (d,2n)	**MT103 (d,p) or MT5 (Pb209 production)**	83-Bi-209 MT4 (d,n) >>

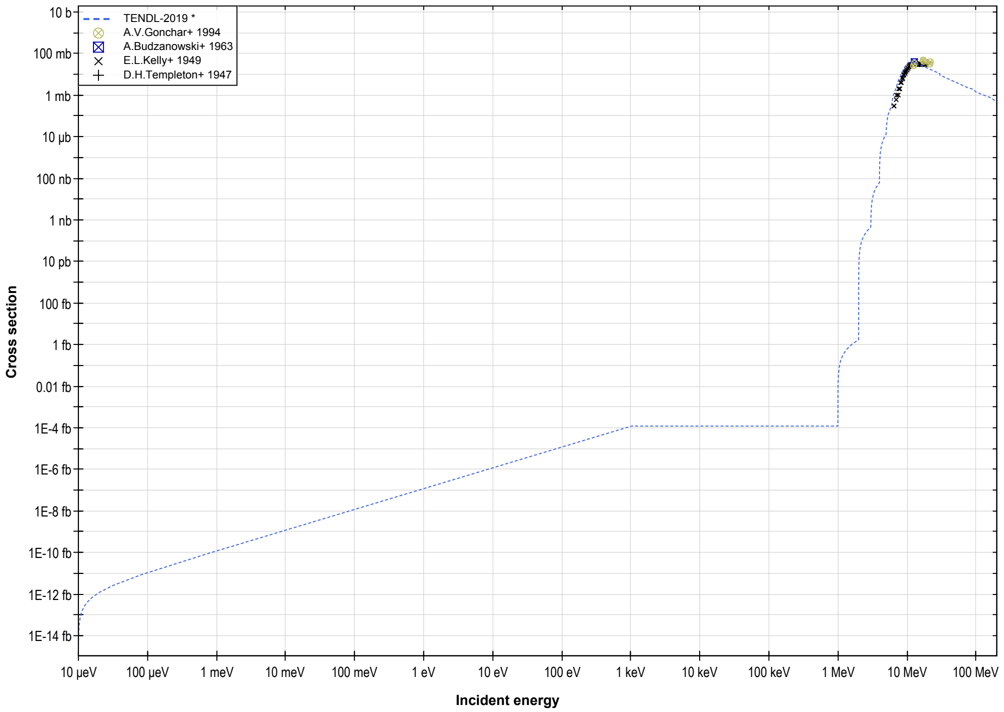




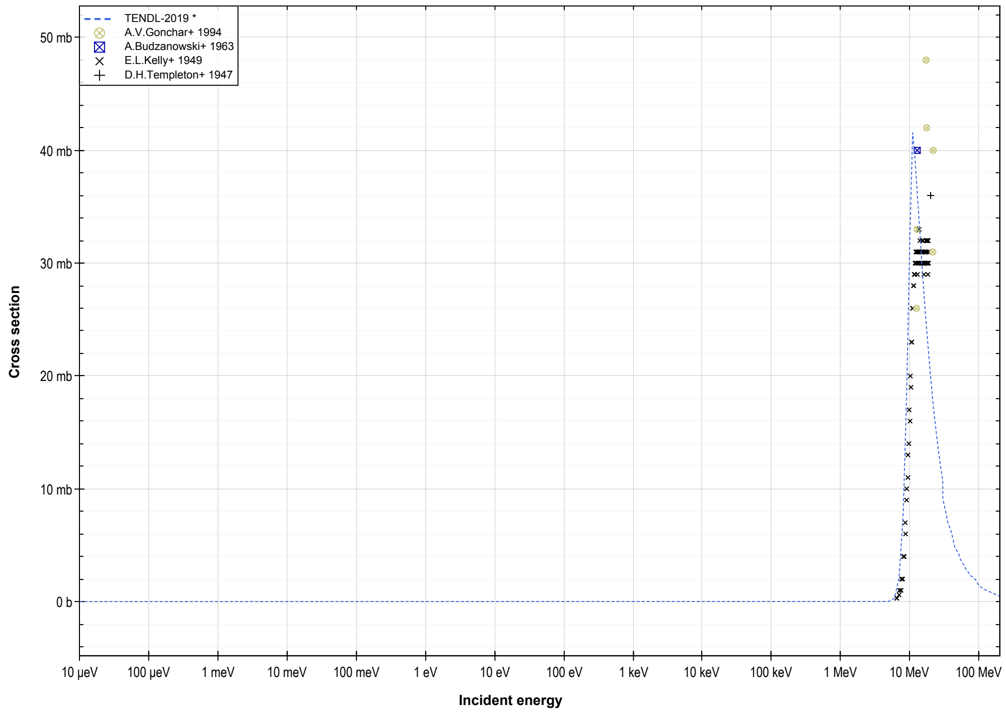
Reaction	Q-Value
Pb208(d,p)Pb209	1712.75 keV

<< 78-Pt-198	**83-Bi-209**	92-U-233 >>
<< 82-Pb-208 MT103 (d,p)	**MT4 (d,n) or MT5 (Po210 production)**	MT11 (d,2n+d) >>

Bi209 (d,n) or Po210 production log-log

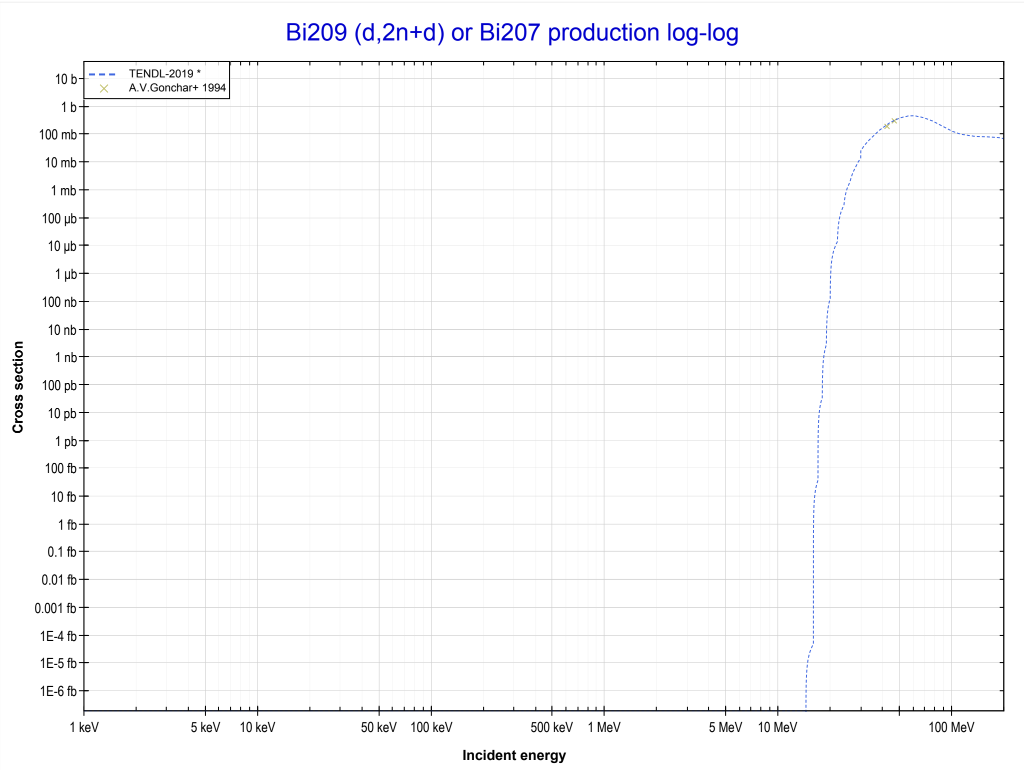


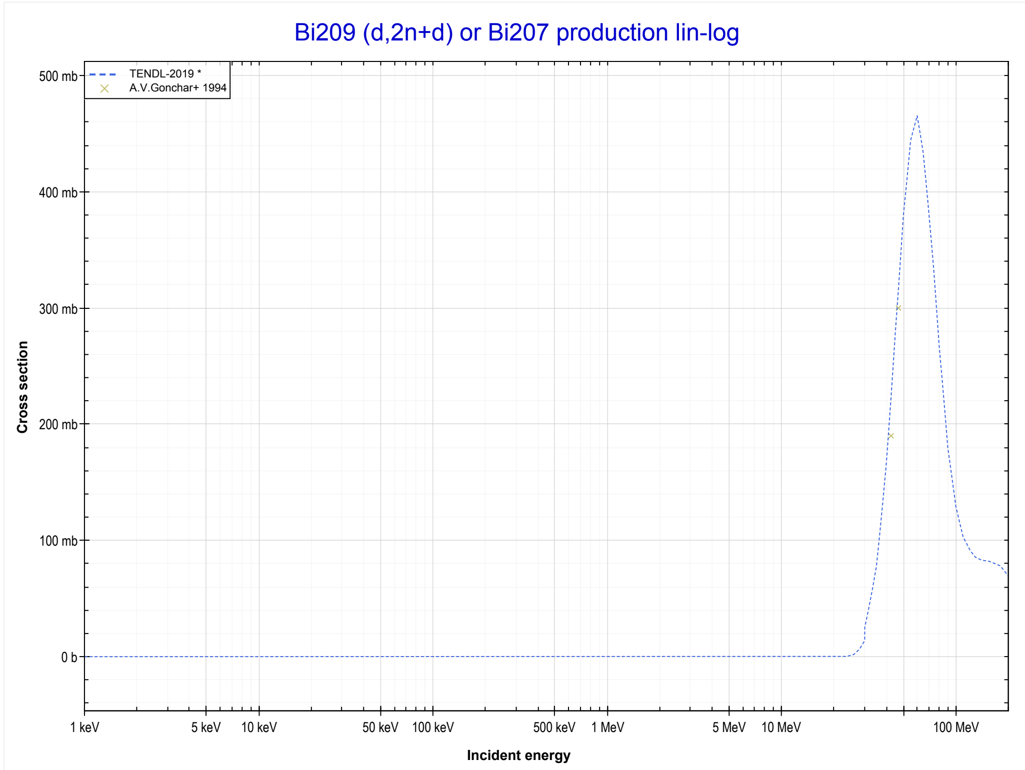
Bi209 (d,n) or Po210 production lin-log



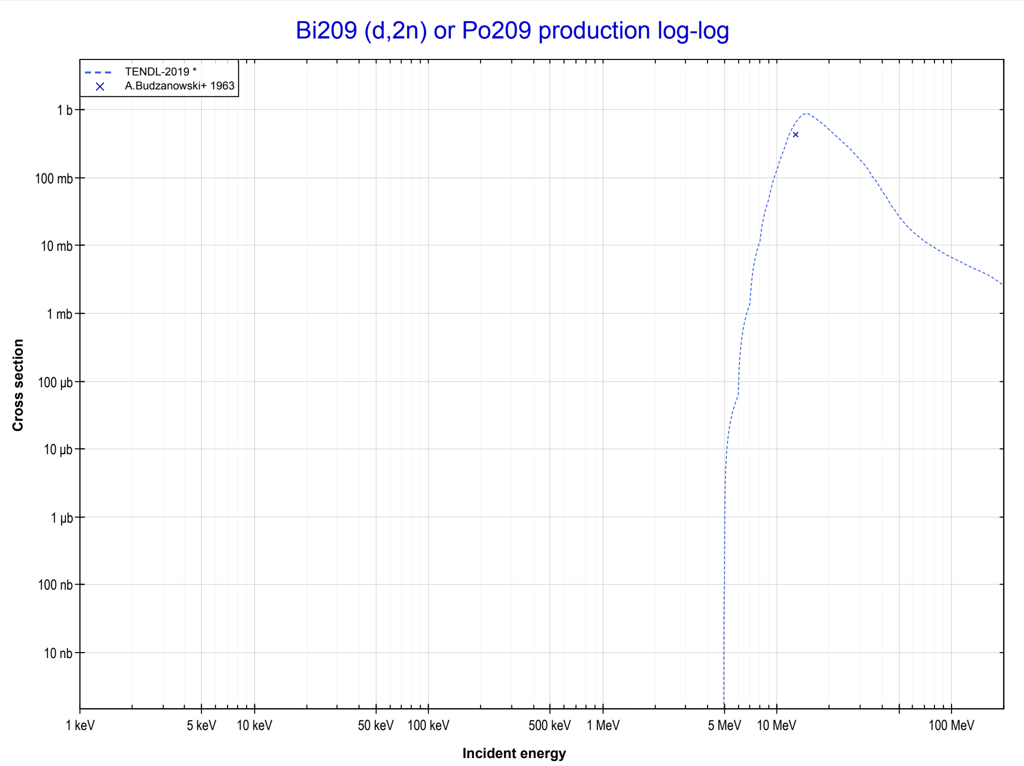
Reaction	Q-Value
Bi209(d,n)Po210	2758.80 keV

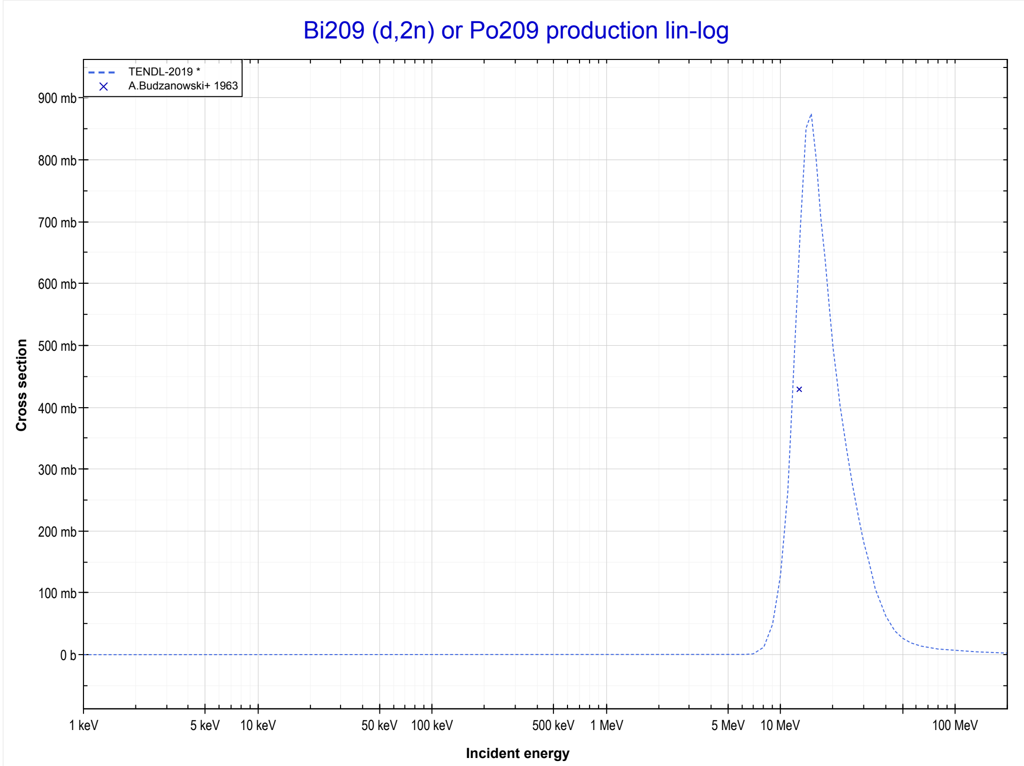
<< 79-Au-197	**83-Bi-209**	
<< MT4 (d,n)	**MT11 (d,2n+d) or MT5 (Bi207 production)**	MT16 (d,2n) >>





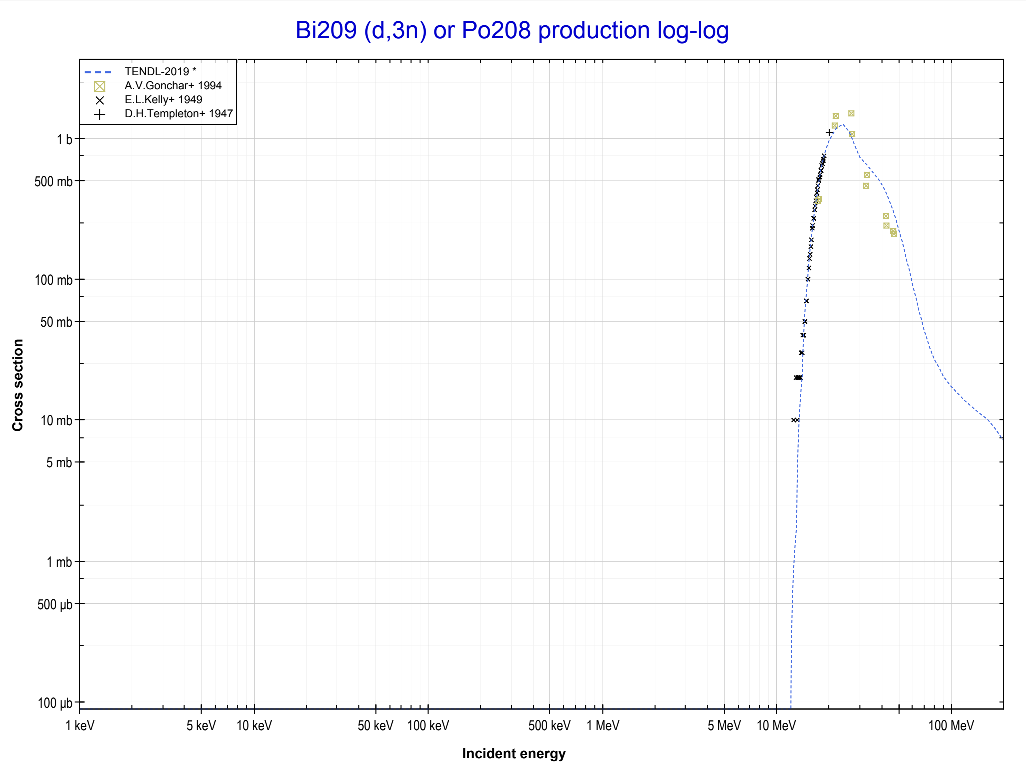
Reaction	Q-Value
Bi209(d,n+t)Bi207	-8089.51 keV
Bi209(d,2n+d)Bi207	-14346.73 keV
Bi209(d,3n+p)Bi207	-16571.30 keV

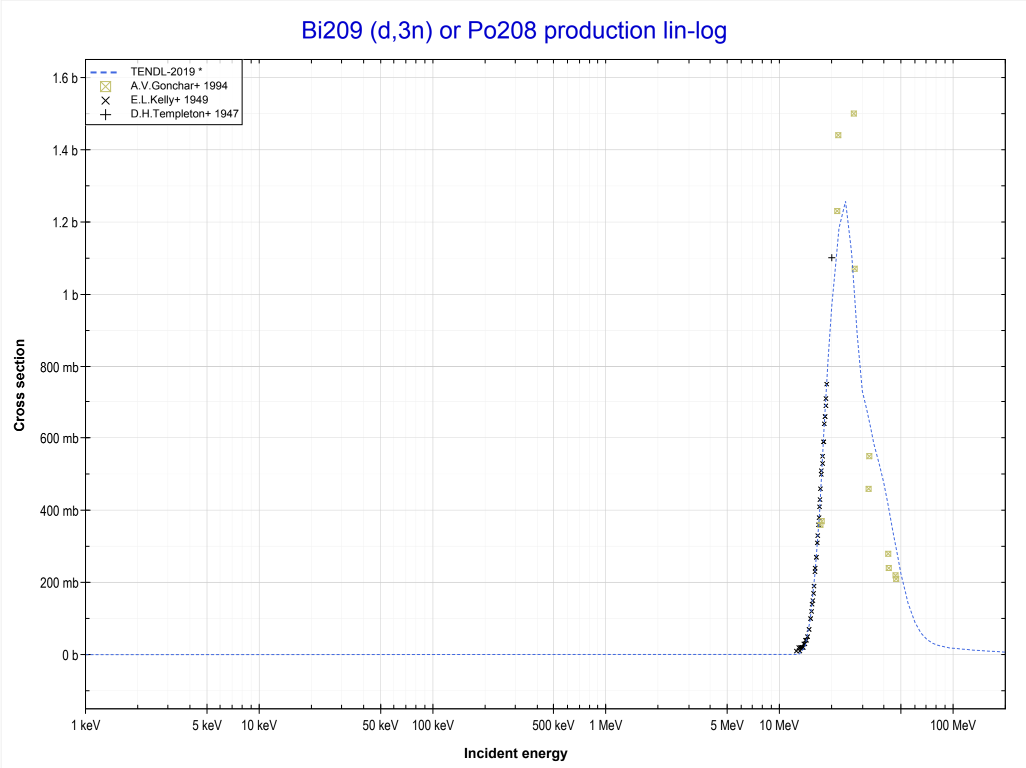




Reaction	Q-Value
Bi209(d,2n)Po209	-4899.51 keV

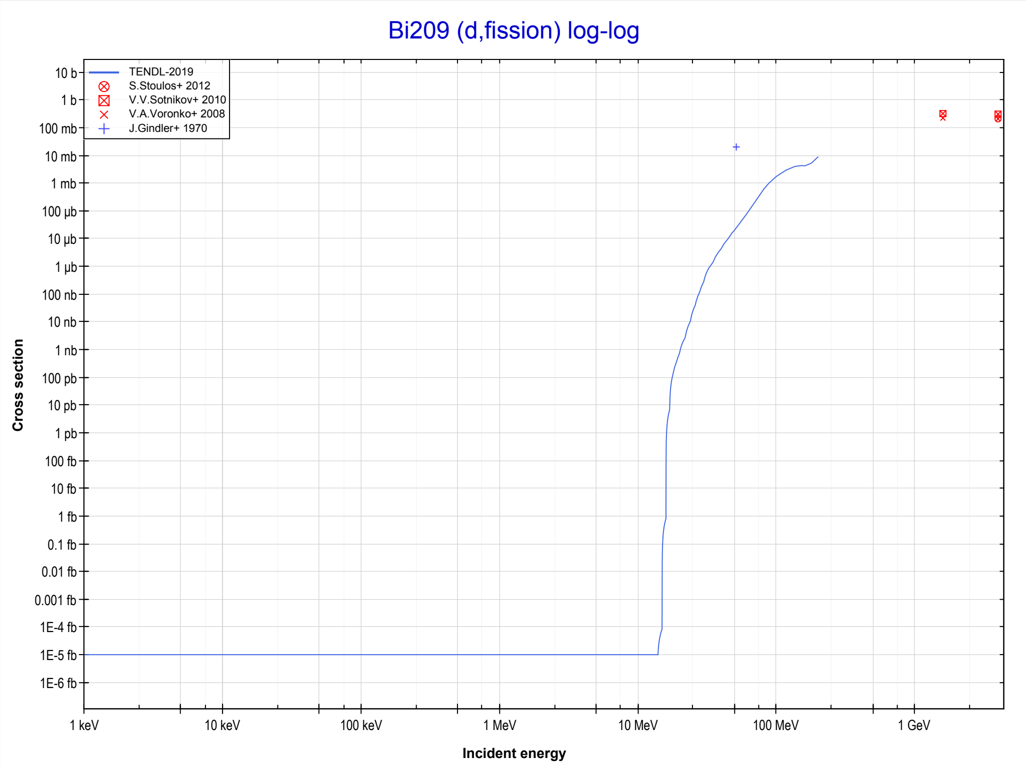
<< 81-Tl-205	**83-Bi-209**	91-Pa-231 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Po208 production)**	MT18 (d,fission) >>

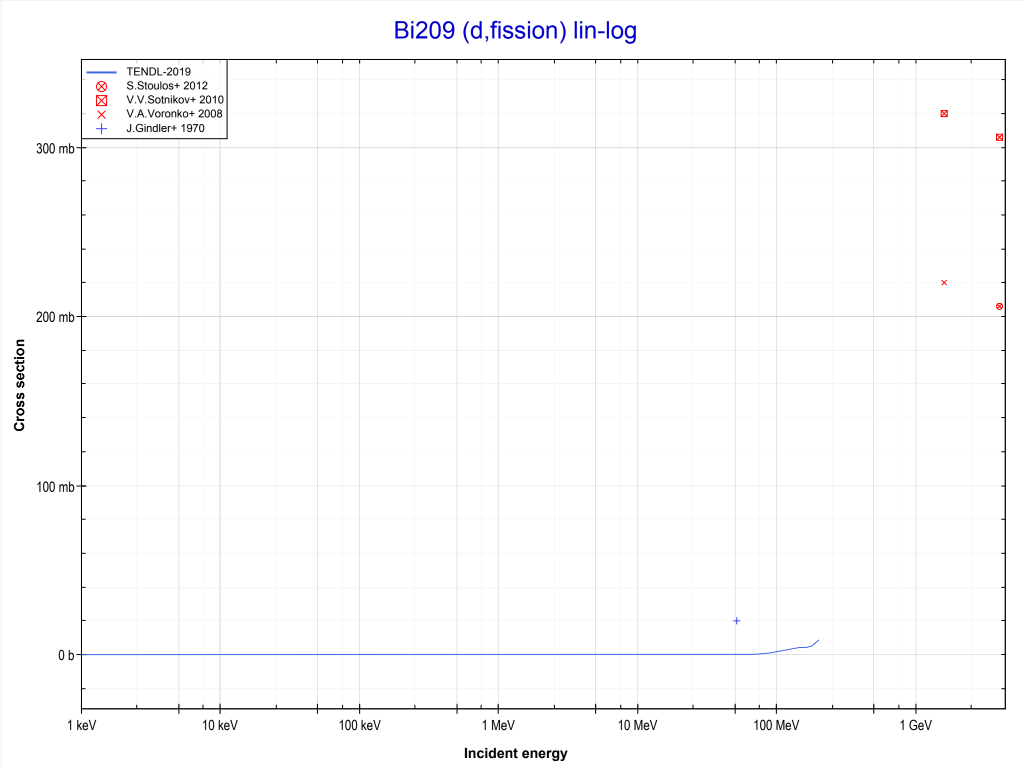




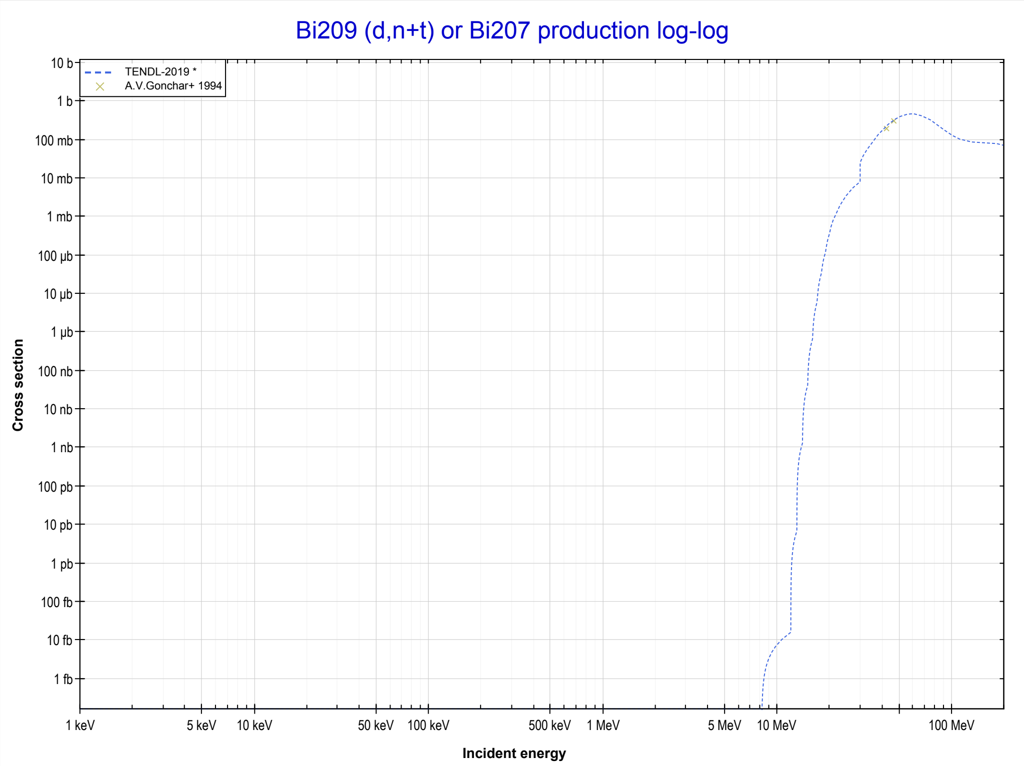
Reaction	Q-Value
Bi209(d,3n)Po208	-11867.33 keV

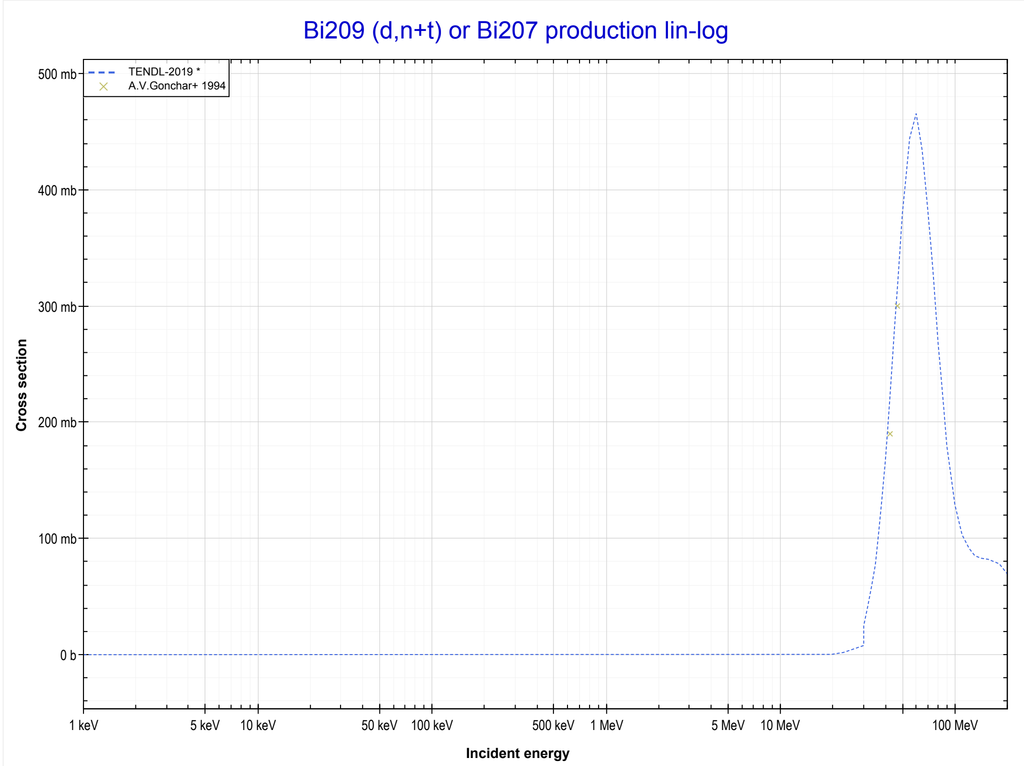
<< 79-Au-197	**83-Bi-209**	88-Ra-226 >>
<< MT17 (d,3n)	**MT18 (d,fission)**	MT33 (d,n+t) >>



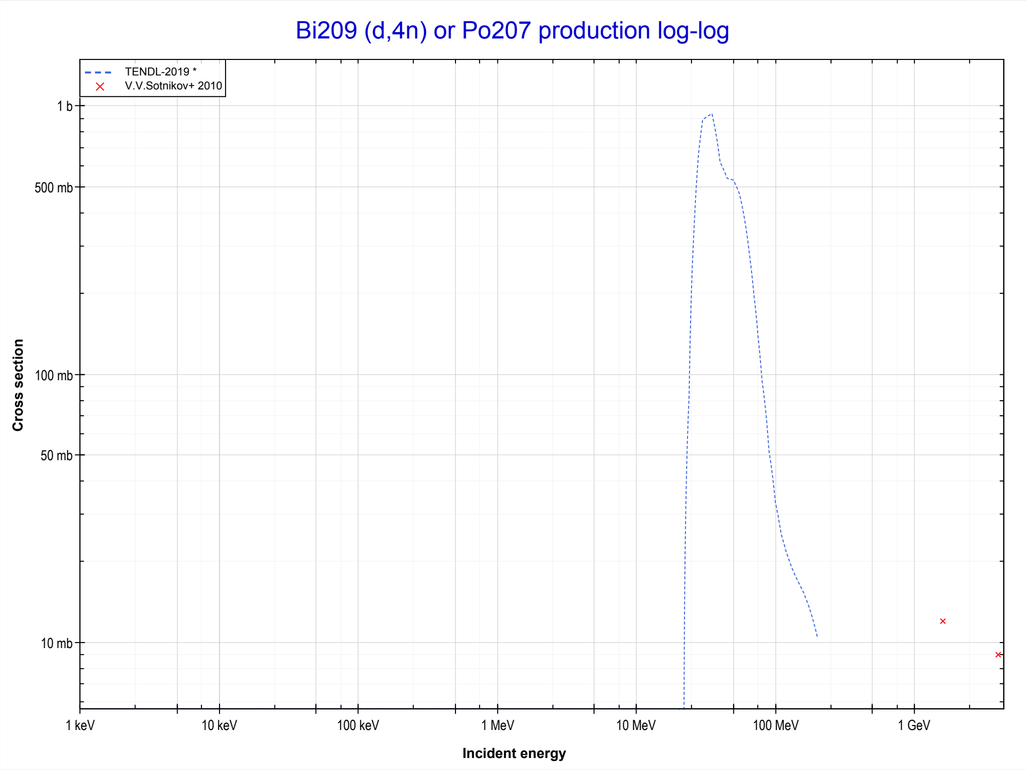


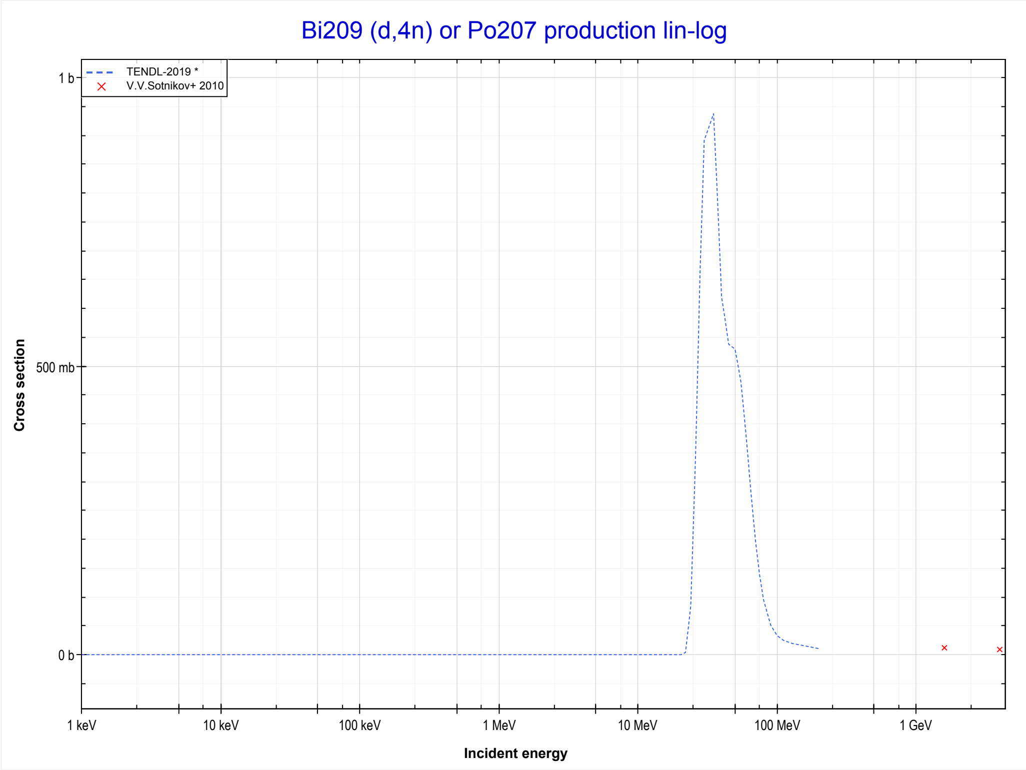
<< 79-Au-197	**83-Bi-209**	
<< MT18 (d,fission)	**MT33 (d,n+t) or MT5 (Bi207 production)**	MT37 (d,4n) >>





Reaction	Q-Value
Bi209(d,n+t)Bi207	-8089.51 keV
Bi209(d,2n+d)Bi207	-14346.73 keV
Bi209(d,3n+p)Bi207	-16571.30 keV

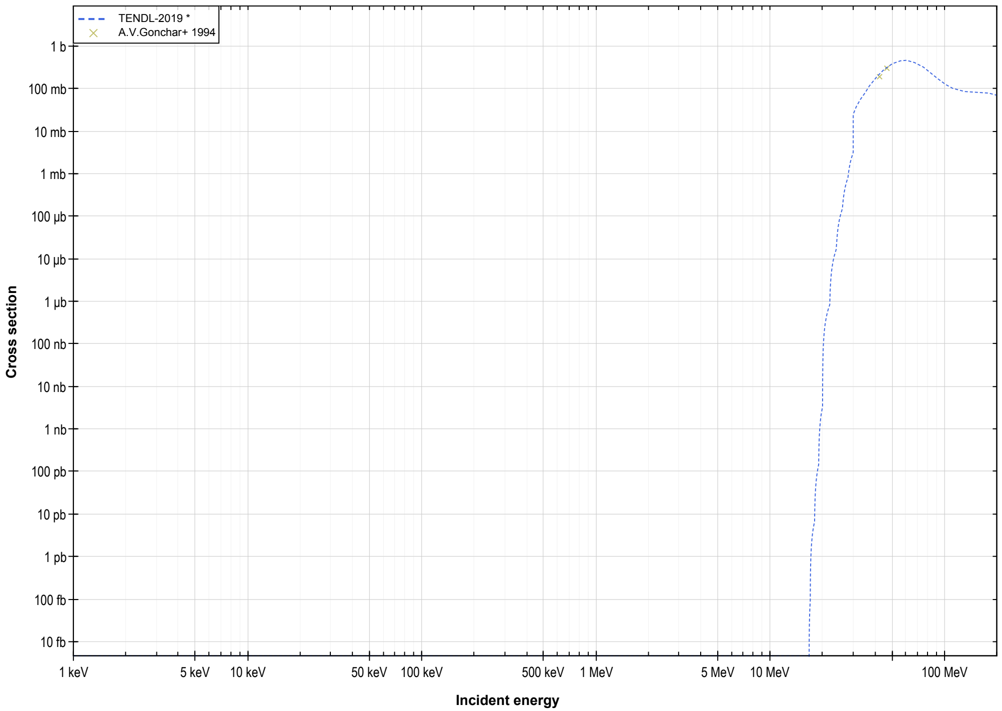




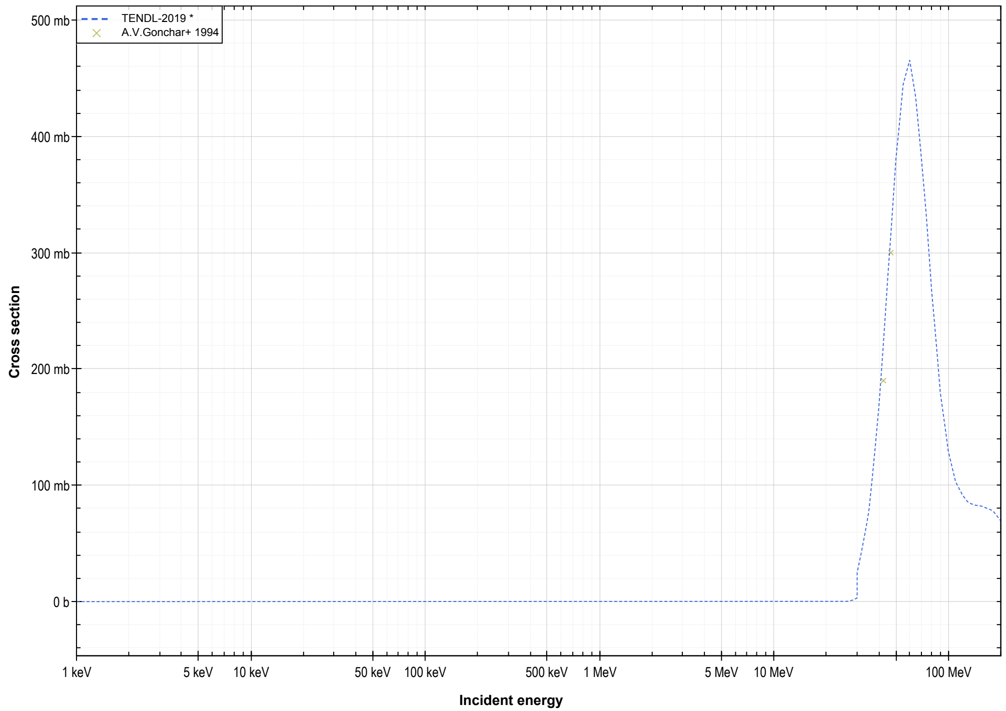
Reaction	Q-Value
Bi209(d,4n)Po207	-20262.25 keV

<< 79-Au-197	**83-Bi-209**	
<< MT37 (d,4n)	**MT42 (d,3n+p) or MT5 (Bi207 production)**	MT102 (d,γ) >>

Bi209 (d,3n+p) or Bi207 production log-log



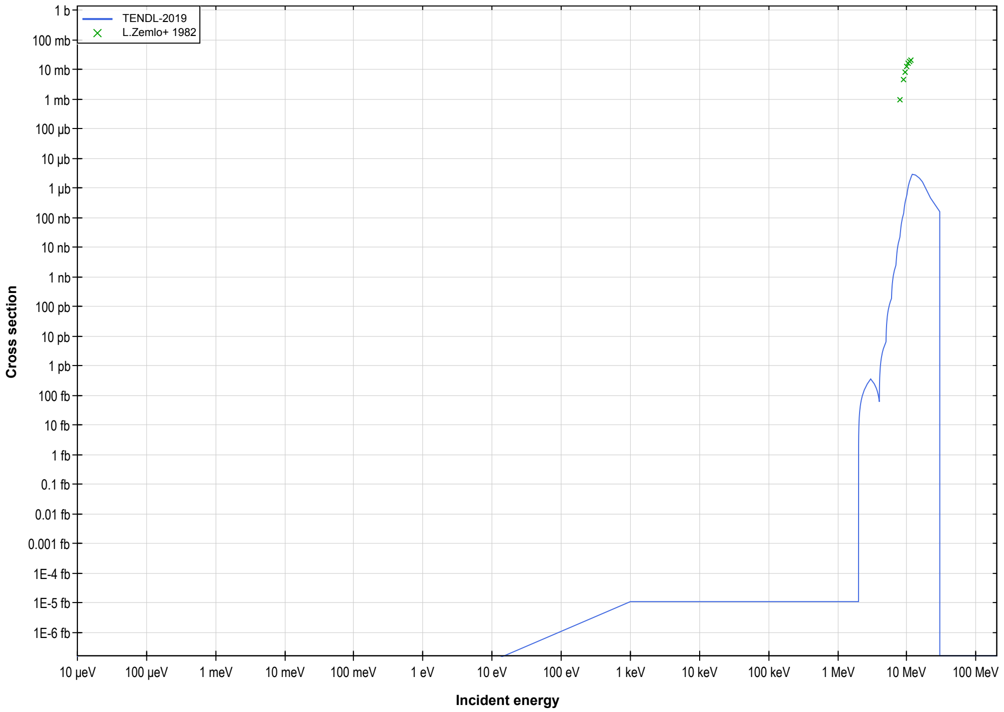
Bi209 (d,3n+p) or Bi207 production lin-log



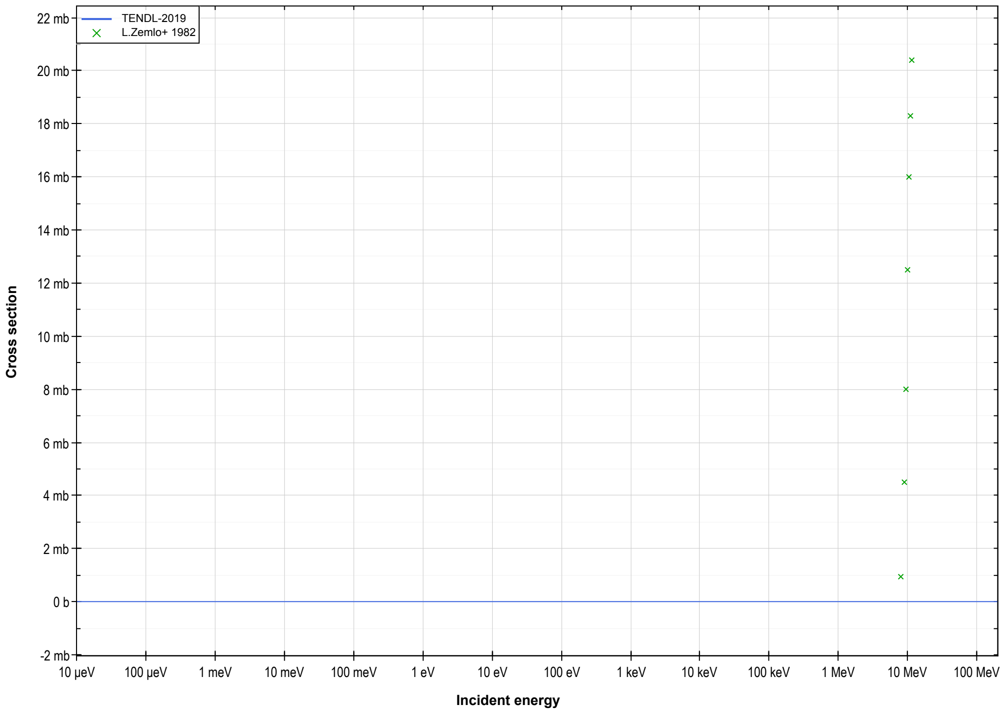
Reaction	Q-Value
Bi209(d,n+t)Bi207	-8089.51 keV
Bi209(d,2n+d)Bi207	-14346.73 keV
Bi209(d,3n+p)Bi207	-16571.30 keV

<< 79-Au-197	**83-Bi-209**	92-U-234 >>
<< MT42 (d,3n+p)	**MT102 (d,γ) or MT5 (Po211 production)**	MT103 (d,p) >>

Bi209 (d,γ) or Po211 production log-log



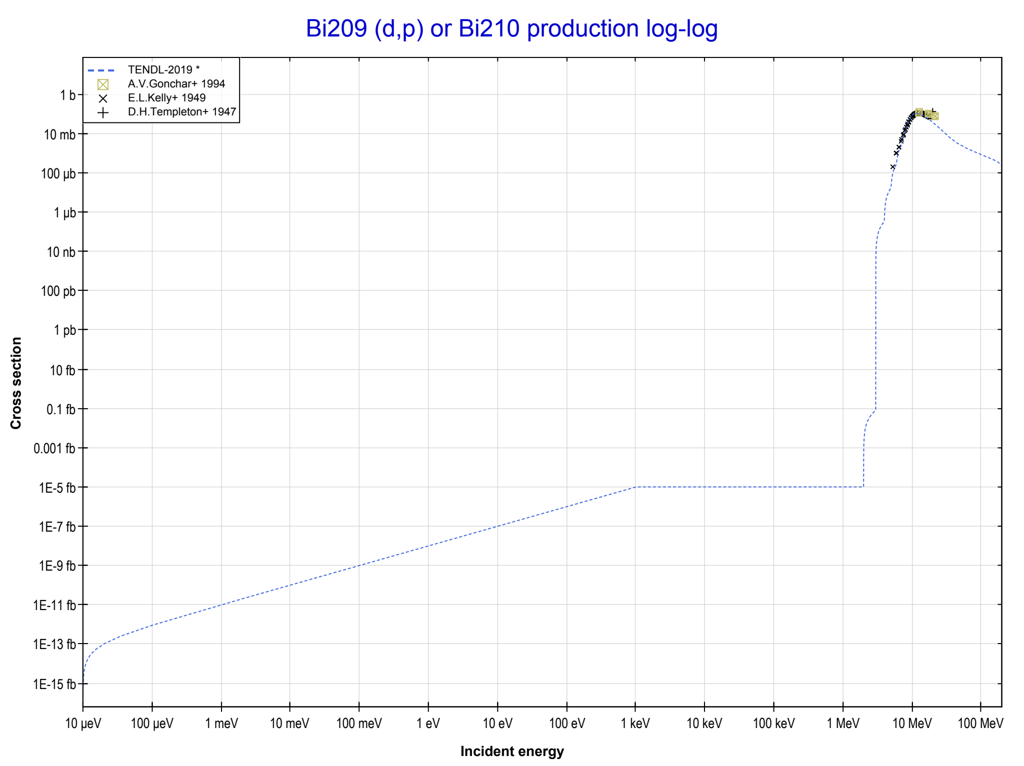
Bi209 (d,γ) or Po211 production lin-log



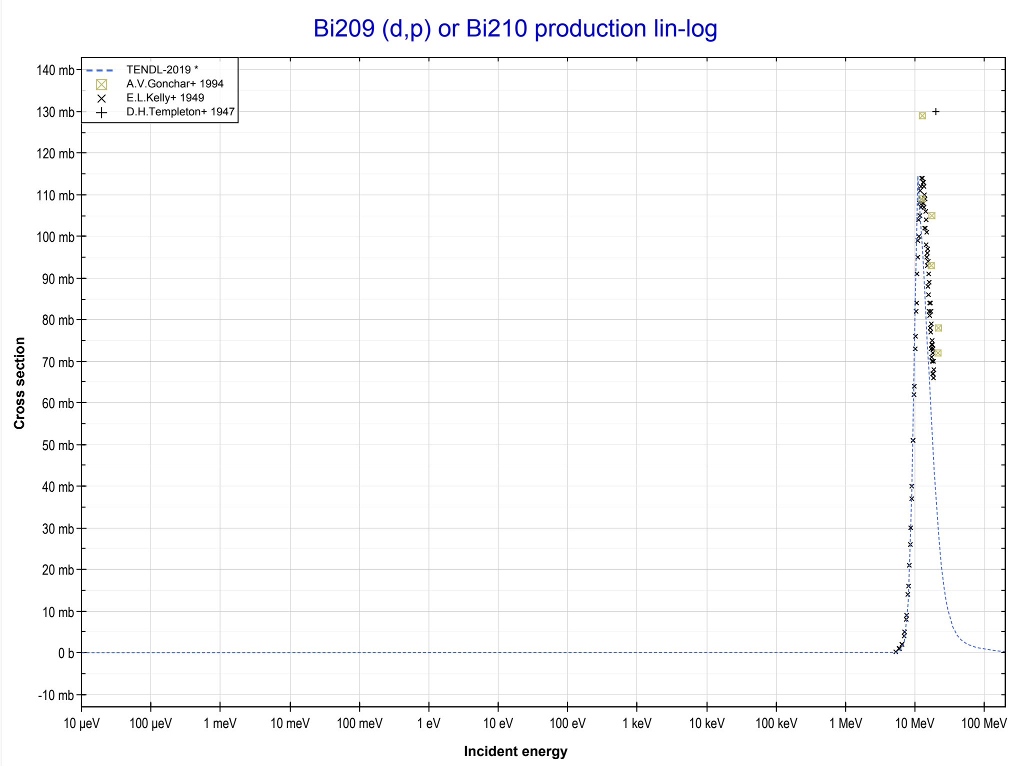
Reaction	Q-Value
Bi209(d,γ)Po211	7309.62 keV

<< 82-Pb-208	**83-Bi-209**	92-U-235 >>
<< MT102 (d,γ)	**MT103 (d,p) or MT5 (Bi210 production)**	MT152 (d,5n) >>

Bi209 (d,p) or Bi210 production log-log

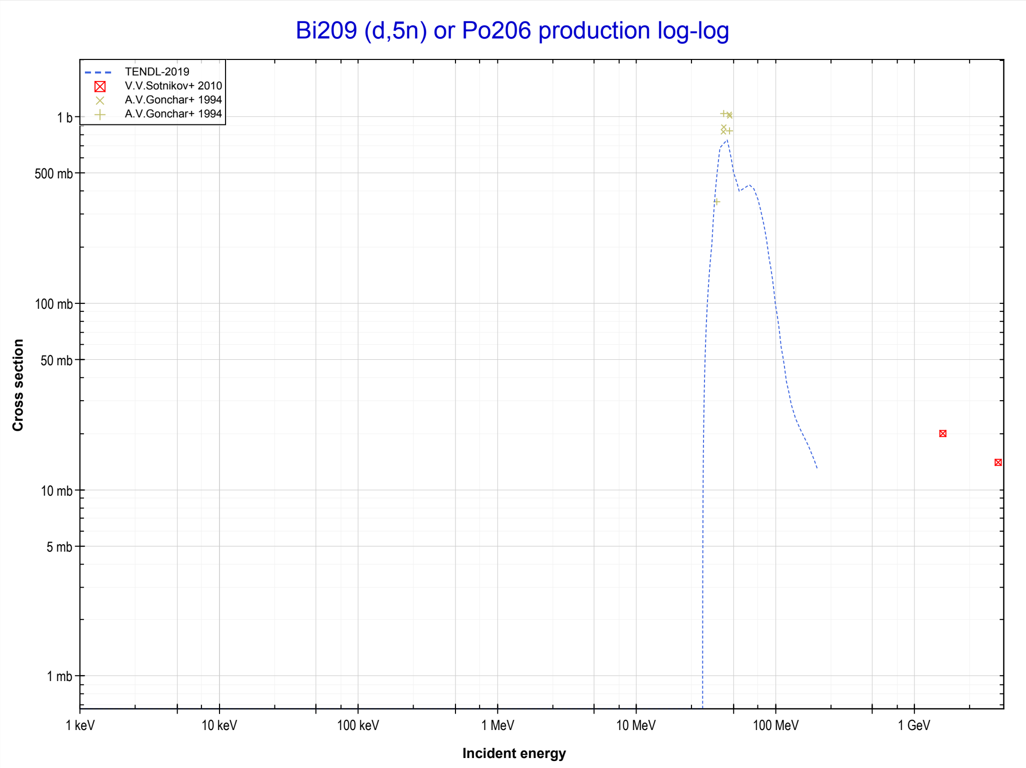


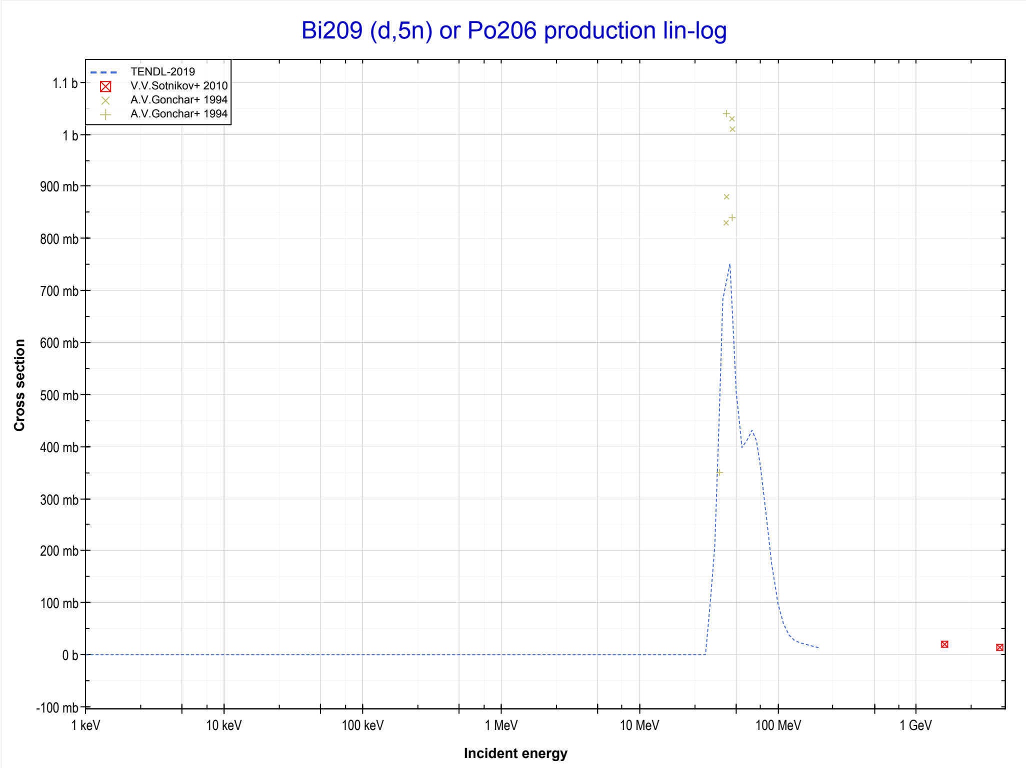
Bi209 (d,p) or Bi210 production lin-log



Reaction	Q-Value
Bi209(d,p)Bi210	2380.05 keV

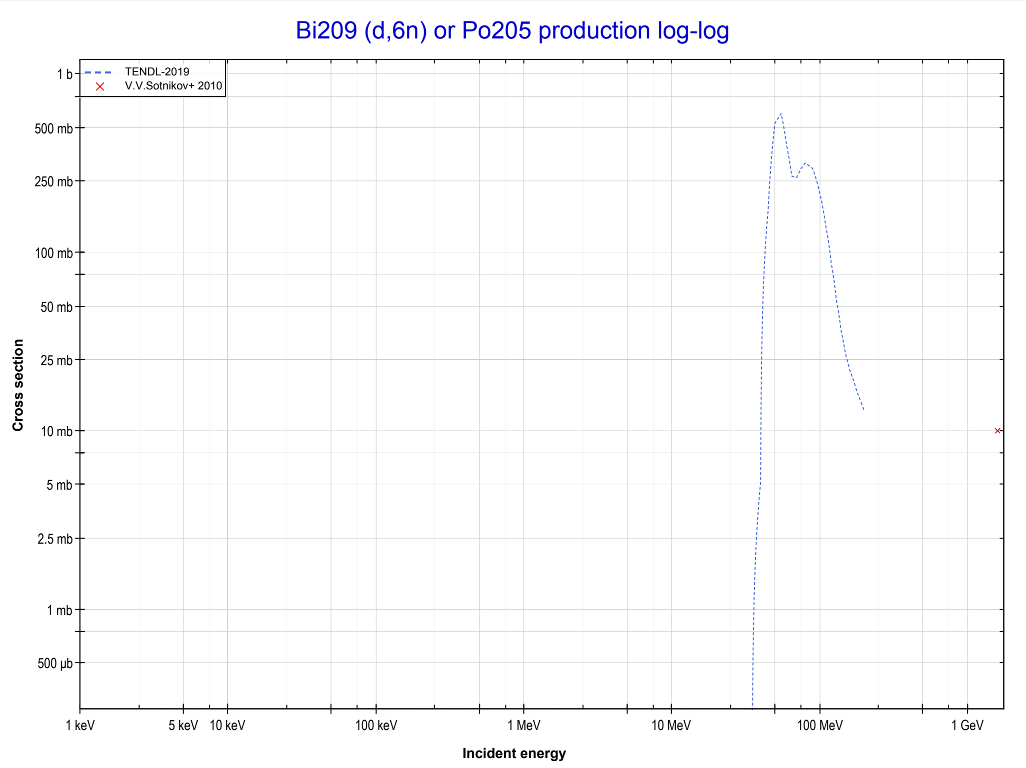
<< 81-Tl-205	**83-Bi-209**	92-U-238 >>
<< MT103 (d,p)	**MT152 (d,5n) or MT5 (Po206 production)**	MT153 (d,6n) >>

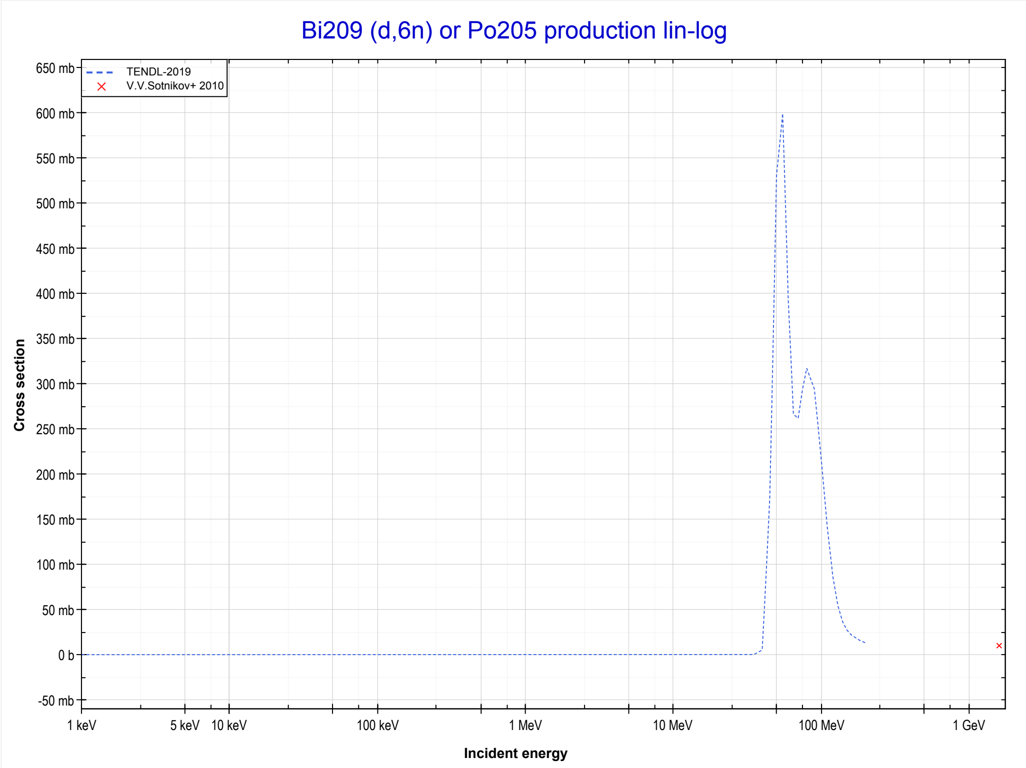




Reaction	Q-Value
Bi209(d,5n)Po206	-27290.56 keV

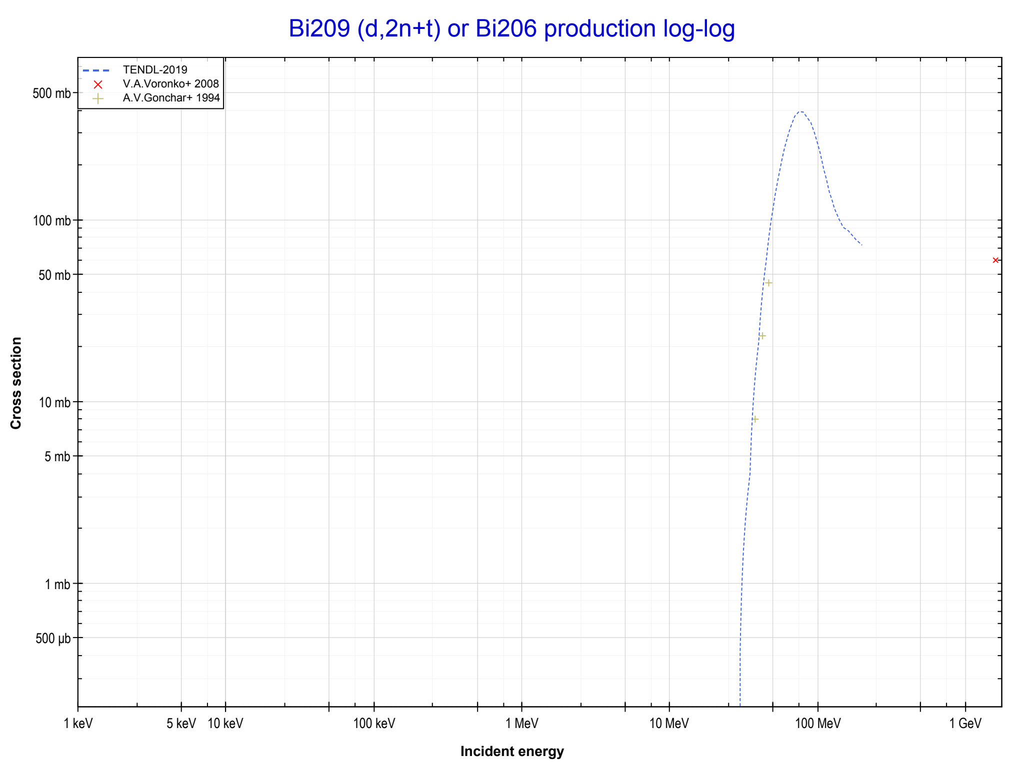
<< 79-Au-197	**83-Bi-209**	90-Th-232 >>
<< MT152 (d,5n)	**MT153 (d,6n) or MT5 (Po205 production)**	MT154 (d,2n+t) >>

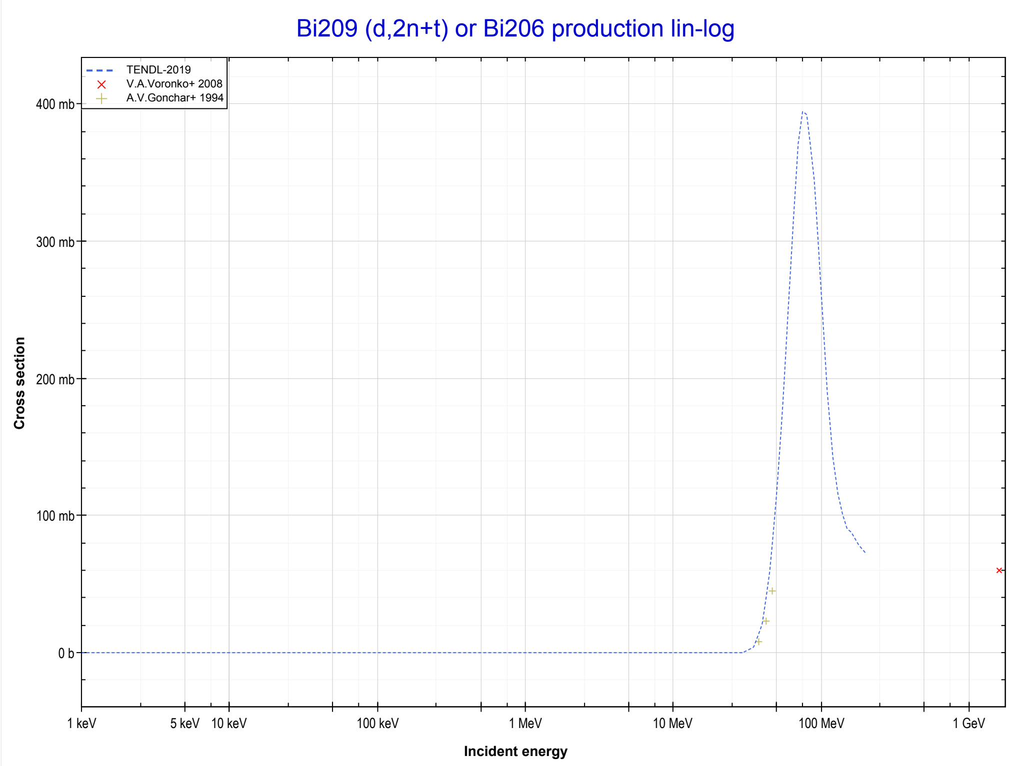




Reaction	Q-Value
Bi209(d,6n)Po205	-36029.88 keV

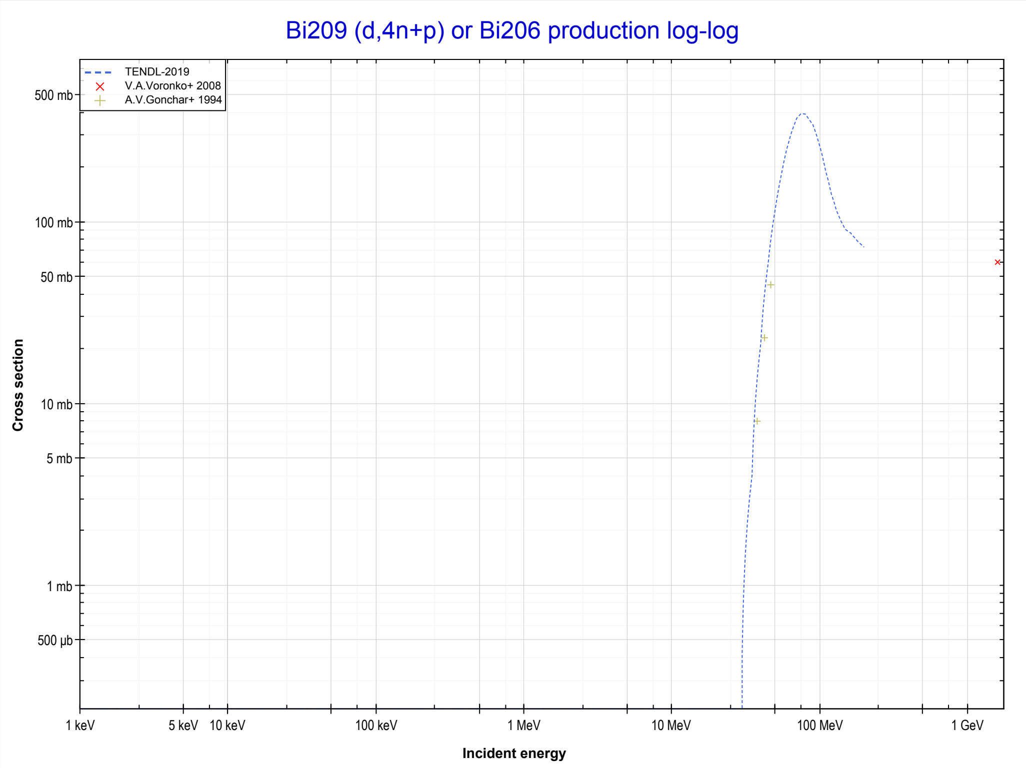
<< 79-Au-197	**83-Bi-209**	
<< MT153 (d,6n)	**MT154 (d,2n+t) or MT5 (Bi206 production)**	MT156 (d,4n+p) >>

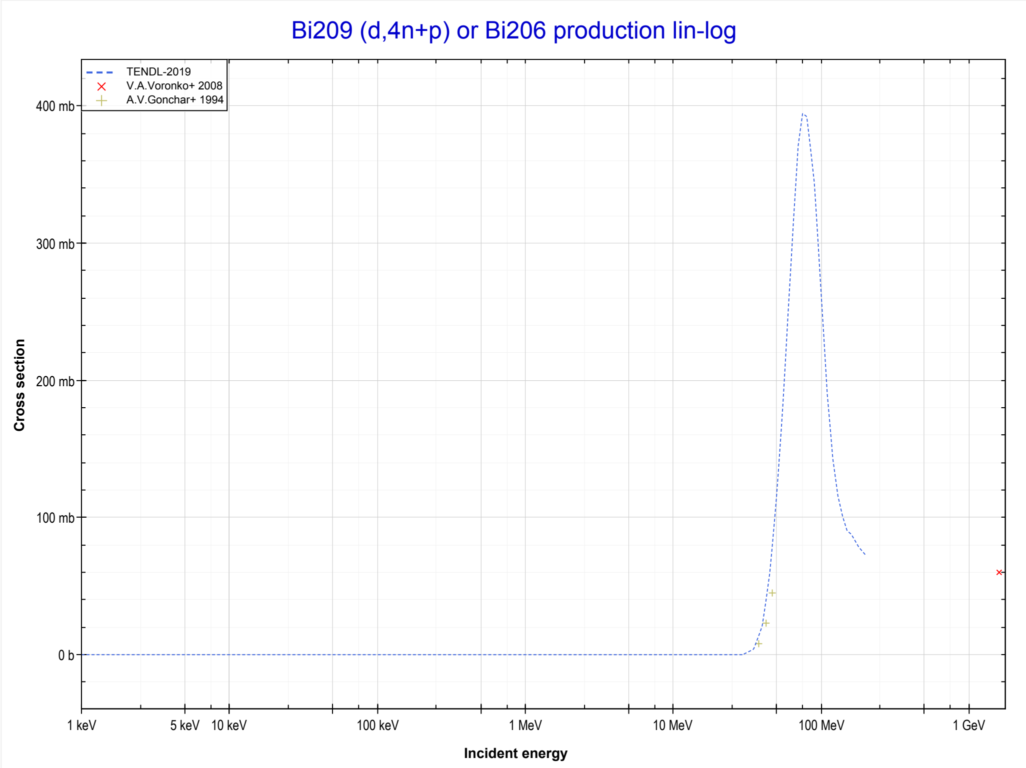




Reaction	Q-Value
Bi209(d,2n+t)Bi206	-16187.42 keV
Bi209(d,3n+d)Bi206	-22444.65 keV
Bi209(d,4n+p)Bi206	-24669.22 keV

<< 79-Au-197	**83-Bi-209**	
<< MT154 (d,2n+t)	**MT156 (d,4n+p) or MT5 (Bi206 production)**	MT157 (d,3n+d) >>

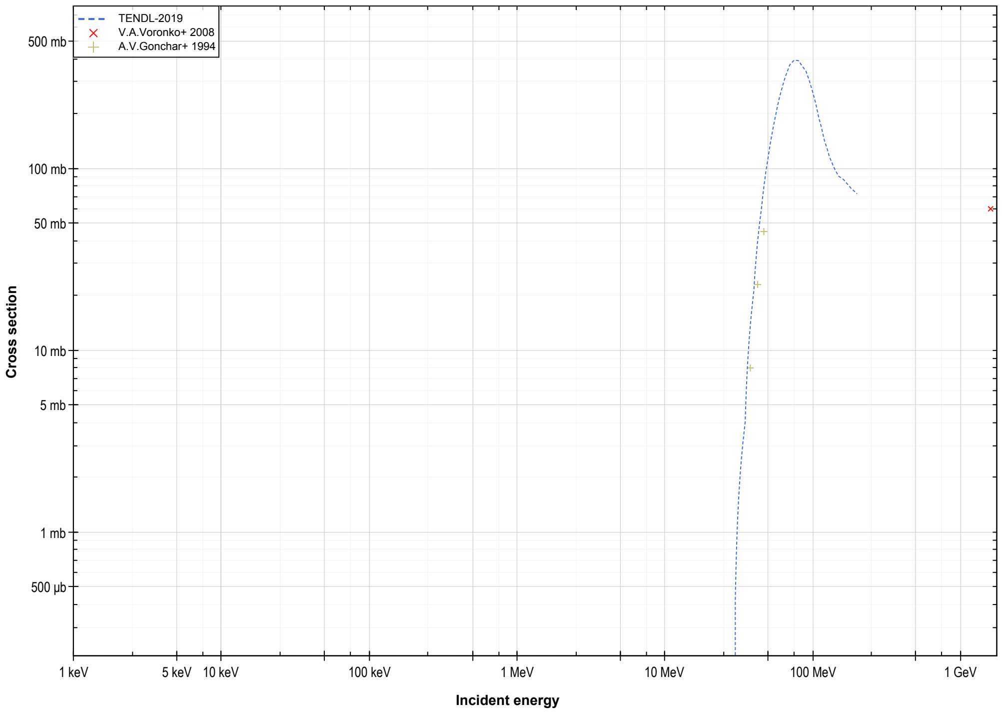




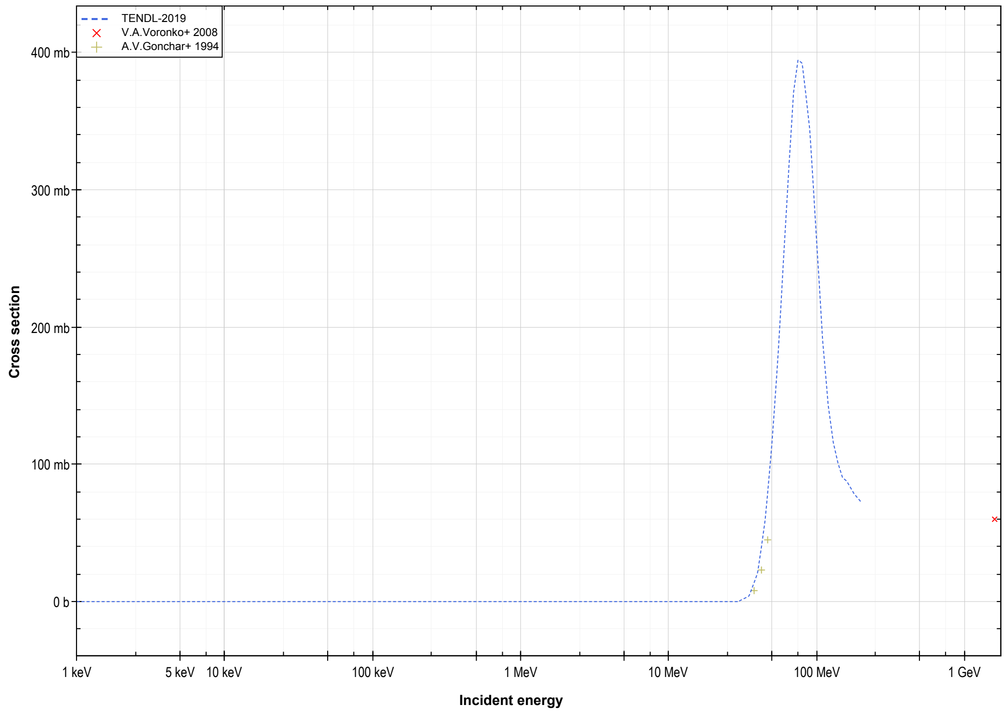
Reaction	Q-Value
Bi209(d,2n+t)Bi206	-16187.42 keV
Bi209(d,3n+d)Bi206	-22444.65 keV
Bi209(d,4n+p)Bi206	-24669.22 keV

<< 79-Au-197	**83-Bi-209**	
<< MT156 (d,4n+p)	**MT157 (d,3n+d) or MT5 (Bi206 production)**	MT160 (d,7n) >>

Bi209 (d,3n+d) or Bi206 production log-log

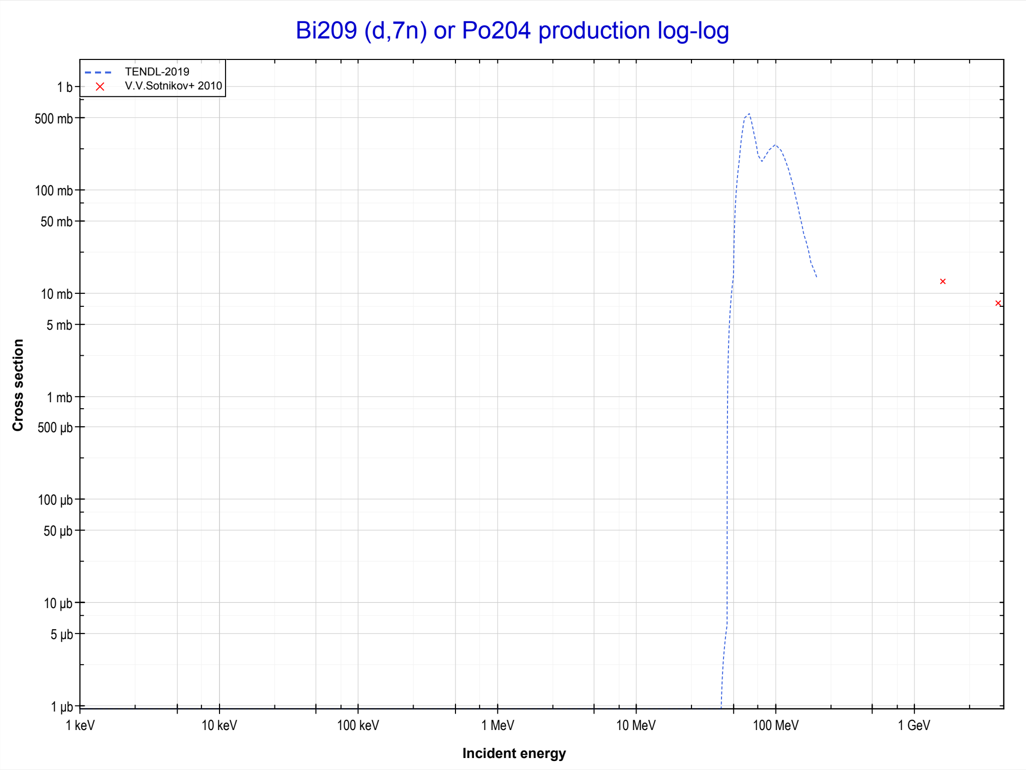


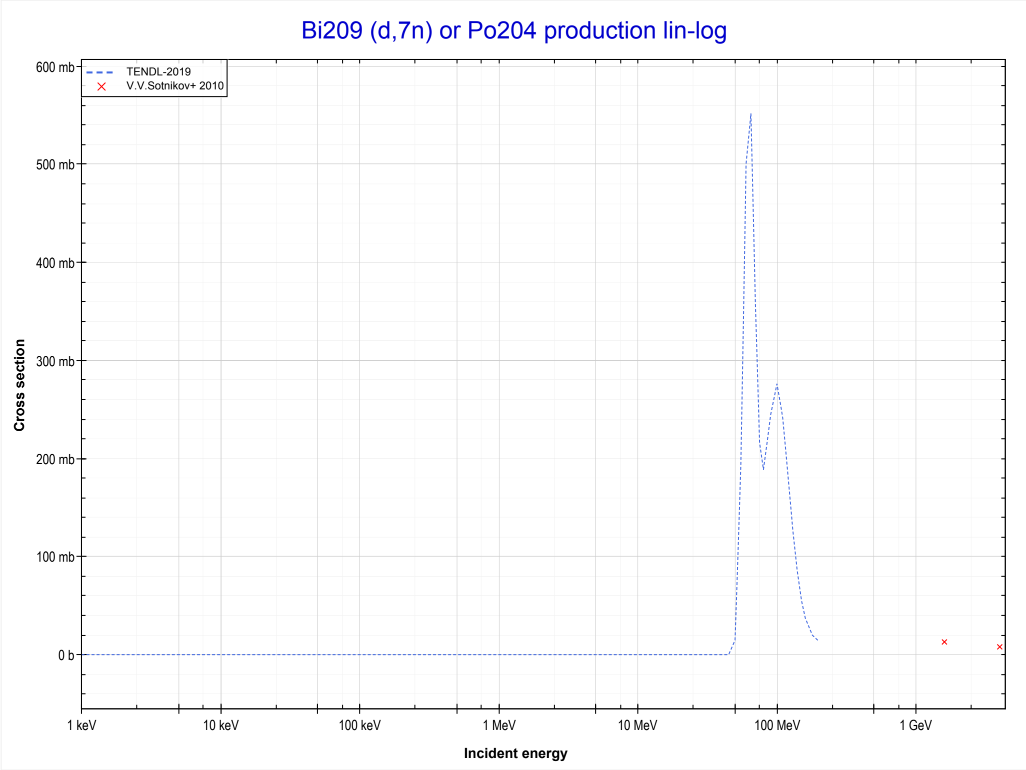
Bi209 (d,3n+d) or Bi206 production lin-log



Reaction	Q-Value
Bi209(d,2n+t)Bi206	-16187.42 keV
Bi209(d,3n+d)Bi206	-22444.65 keV
Bi209(d,4n+p)Bi206	-24669.22 keV

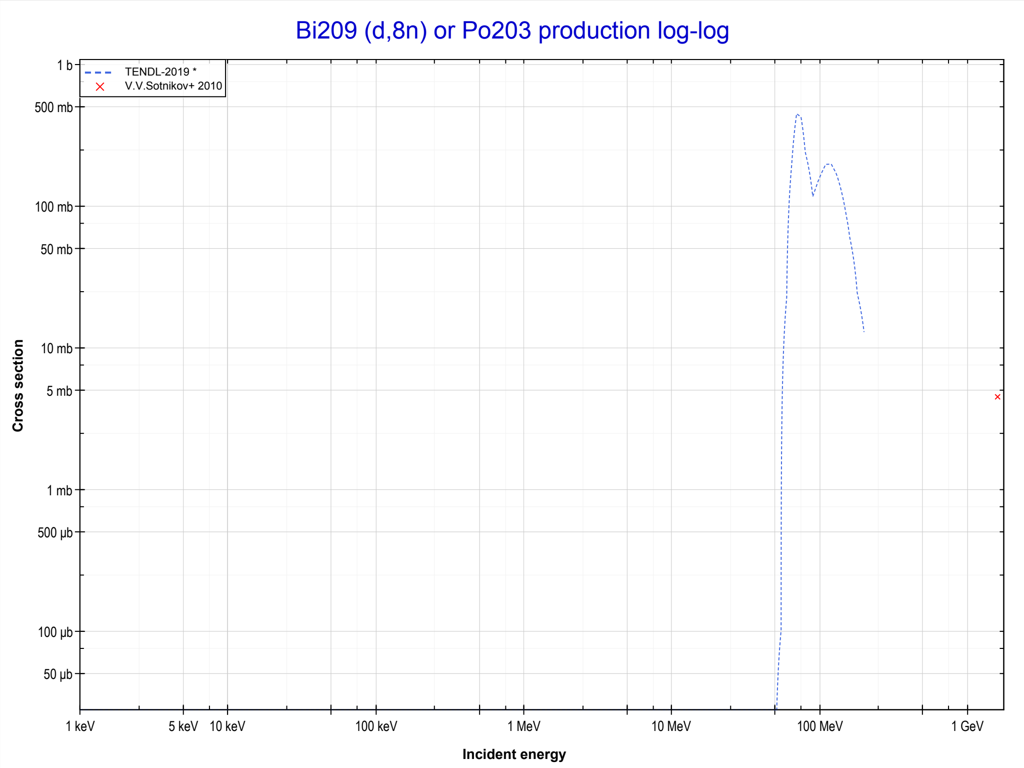
<< 79-Au-197	**83-Bi-209**	90-Th-232 >>
<< MT157 (d,3n+d)	**MT160 (d,7n) or MT5 (Po204 production)**	MT161 (d,8n) >>

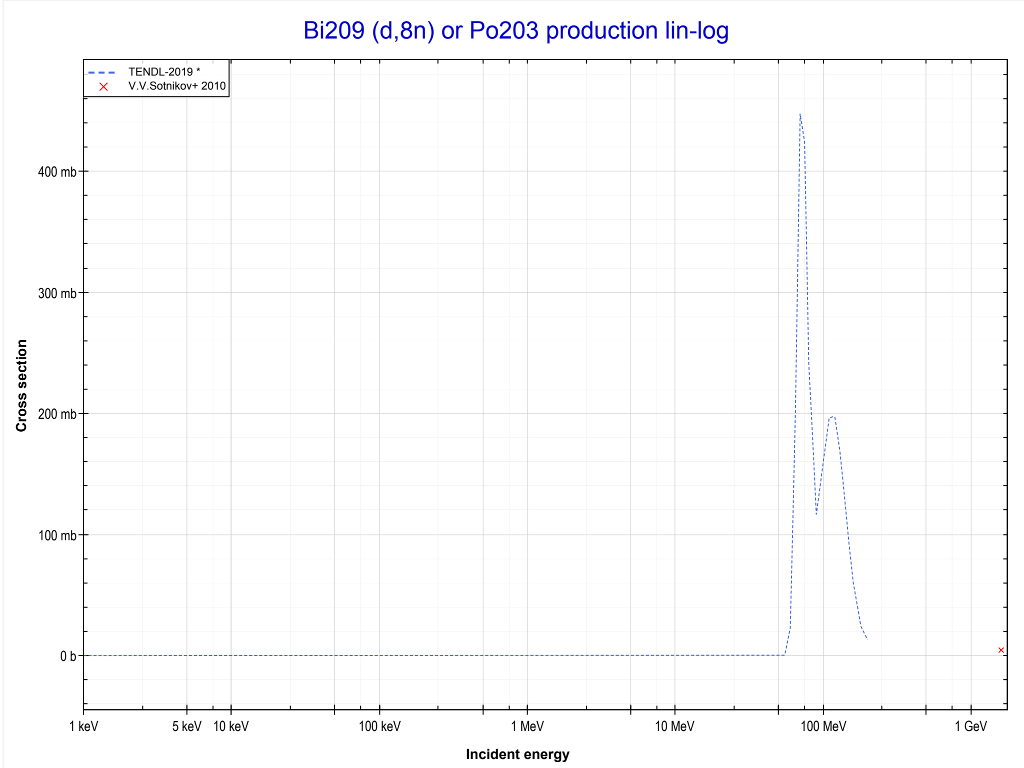




Reaction	Q-Value
Bi209(d,7n)Po204	-43281.20 keV

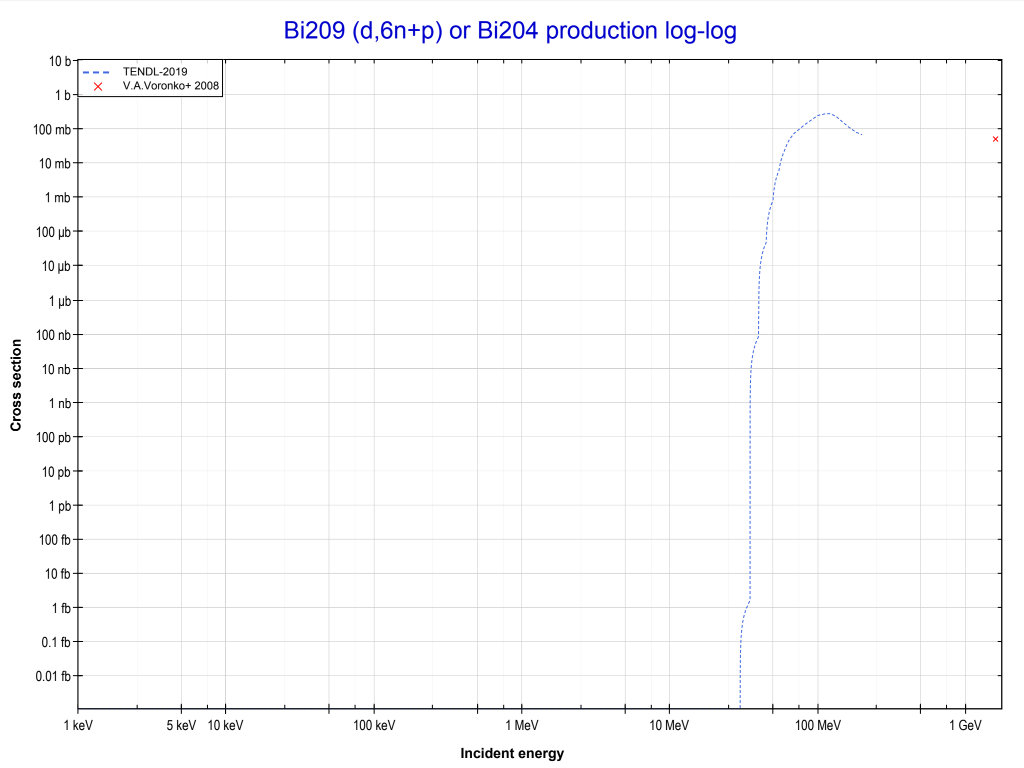
<< 79-Au-197	**83-Bi-209**	
<< MT160 (d,7n)	**MT161 (d,8n) or MT5 (Po203 production)**	MT163 (d,6n+p) >>

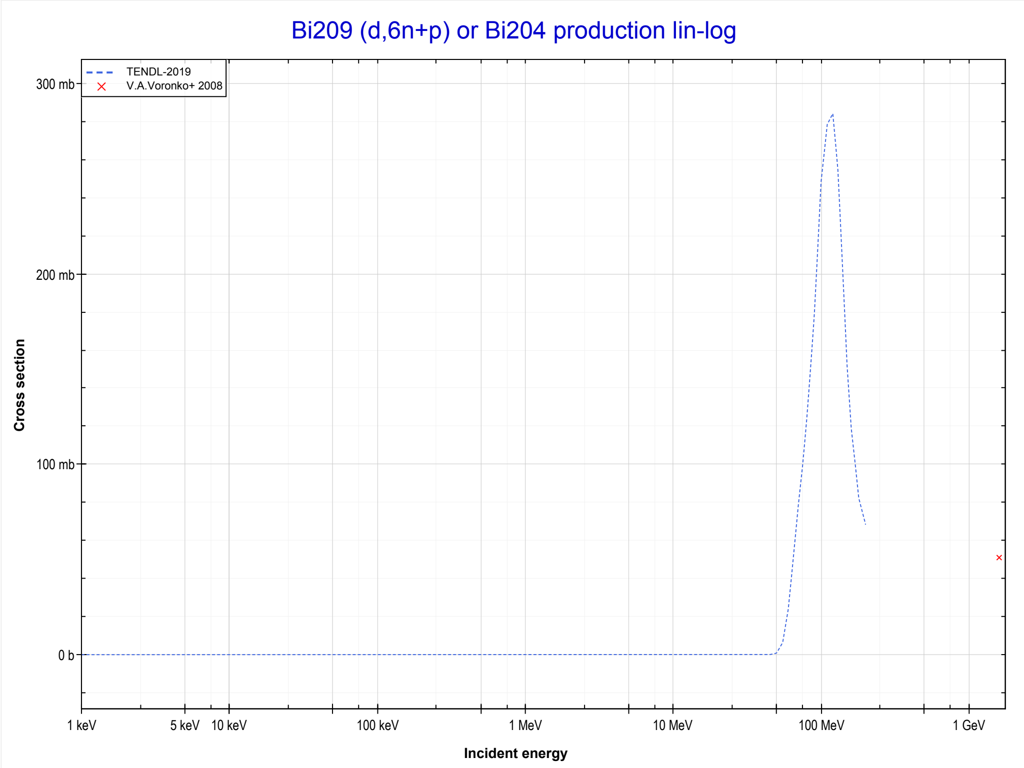




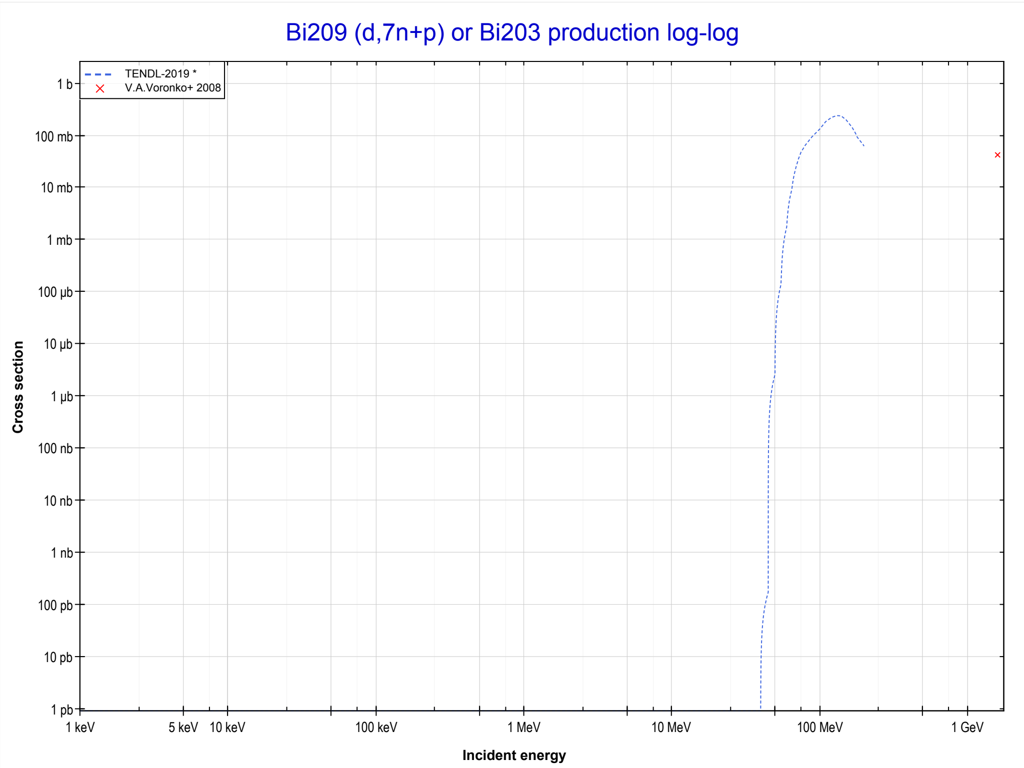
Reaction	Q-Value
Bi209(d,8n)Po203	-52382.52 keV

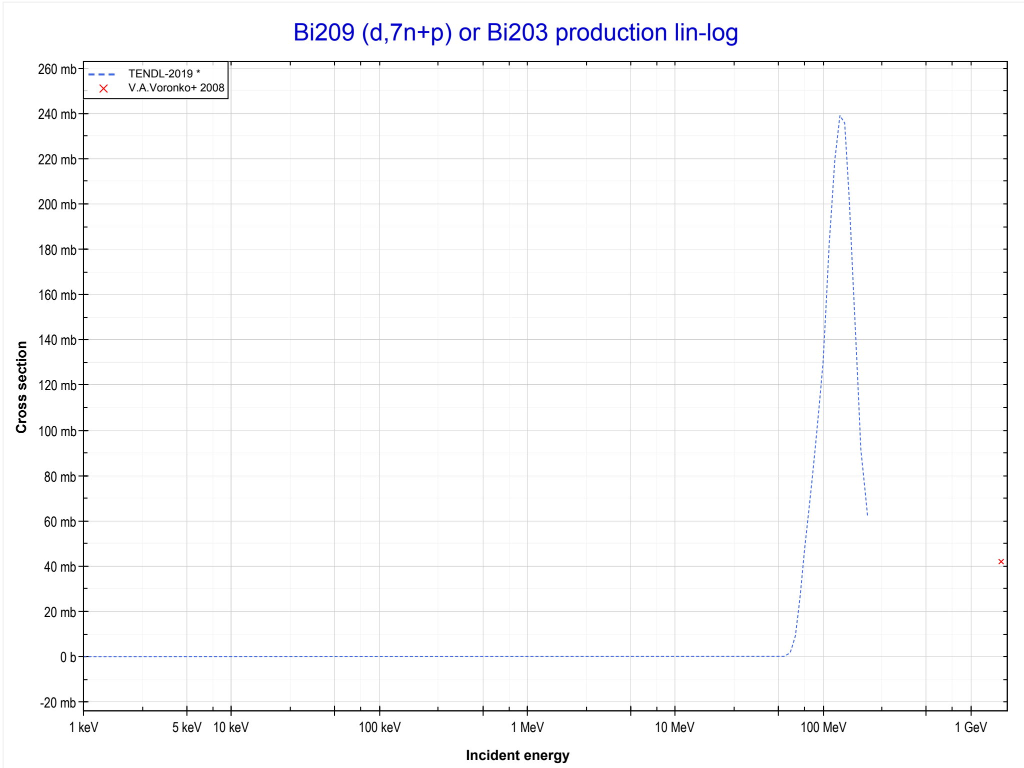
<< 79-Au-197	**83-Bi-209**	
<< MT161 (d,8n)	**MT163 (d,6n+p) or MT5 (Bi204 production)**	MT164 (d,7n+p) >>





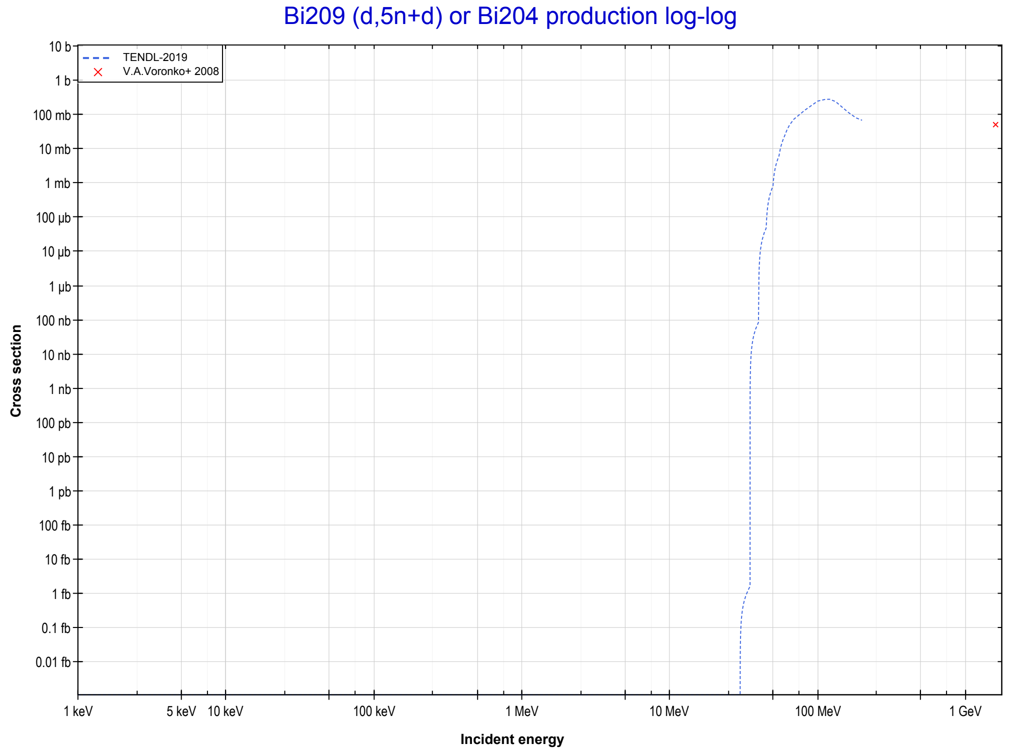
Reaction	Q-Value
Bi209(d,4n+t)Bi204	-31712.06 keV
Bi209(d,5n+d)Bi204	-37969.29 keV
Bi209(d,6n+p)Bi204	-40193.85 keV

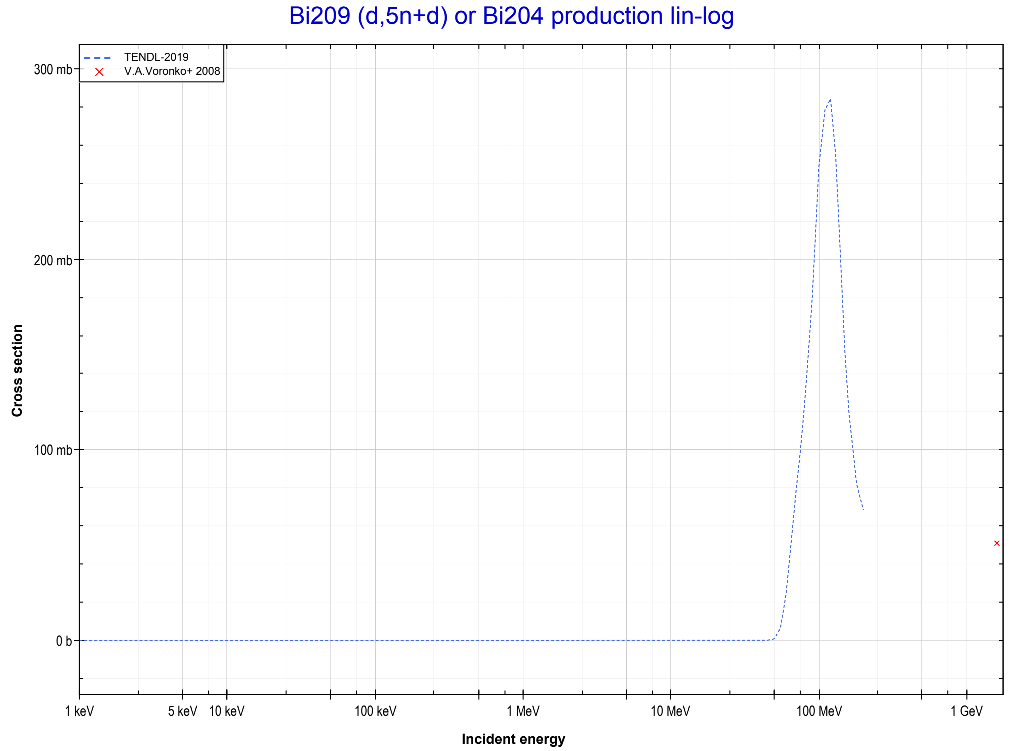




Reaction	Q-Value
Bi209(d,5n+t)Bi203	-38904.37 keV
Bi209(d,6n+d)Bi203	-45161.60 keV
Bi209(d,7n+p)Bi203	-47386.17 keV

<< 79-Au-197	**83-Bi-209**	
<< MT164 (d,7n+p)	**MT170 (d,5n+d) or MT5 (Bi204 production)**	MT171 (d,6n+d) >>

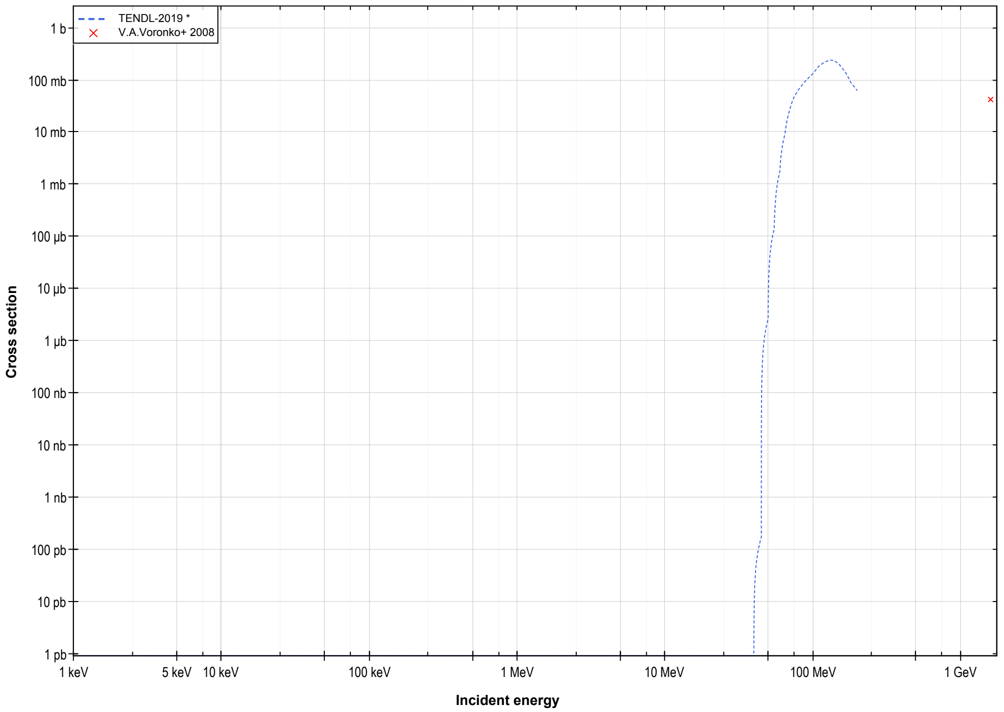




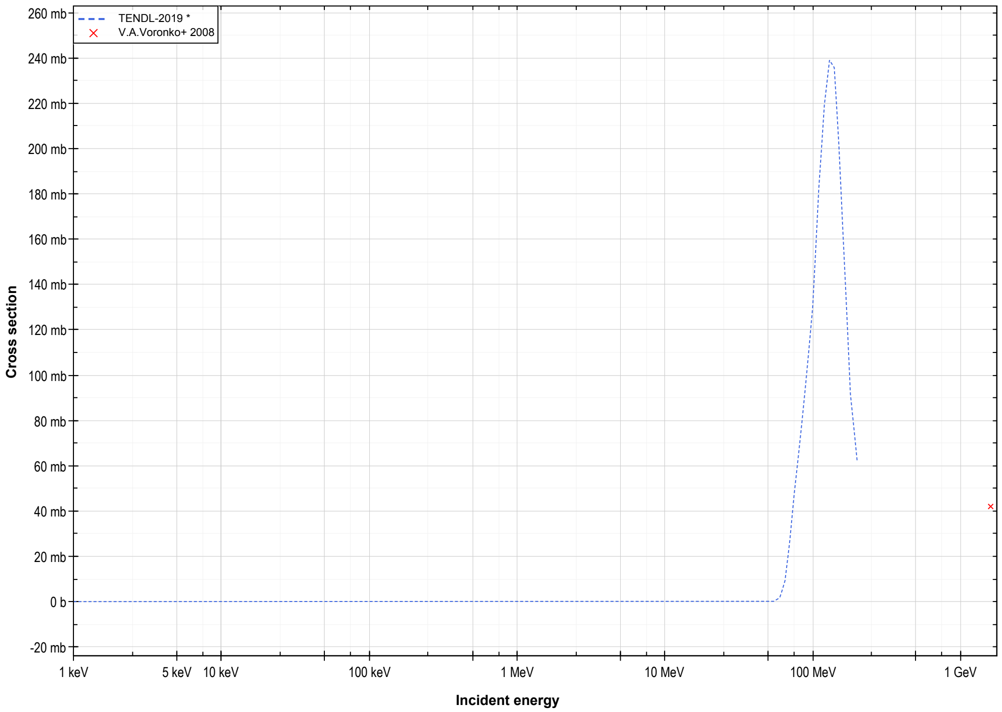
Reaction	Q-Value
Bi209(d,4n+t)Bi204	-31712.06 keV
Bi209(d,5n+d)Bi204	-37969.29 keV
Bi209(d,6n+p)Bi204	-40193.85 keV

<< 79-Au-197	**83-Bi-209**	
<< MT170 (d,5n+d)	**MT171 (d,6n+d) or MT5 (Bi203 production)**	MT173 (d,4n+t) >>

Bi209 (d,6n+d) or Bi203 production log-log

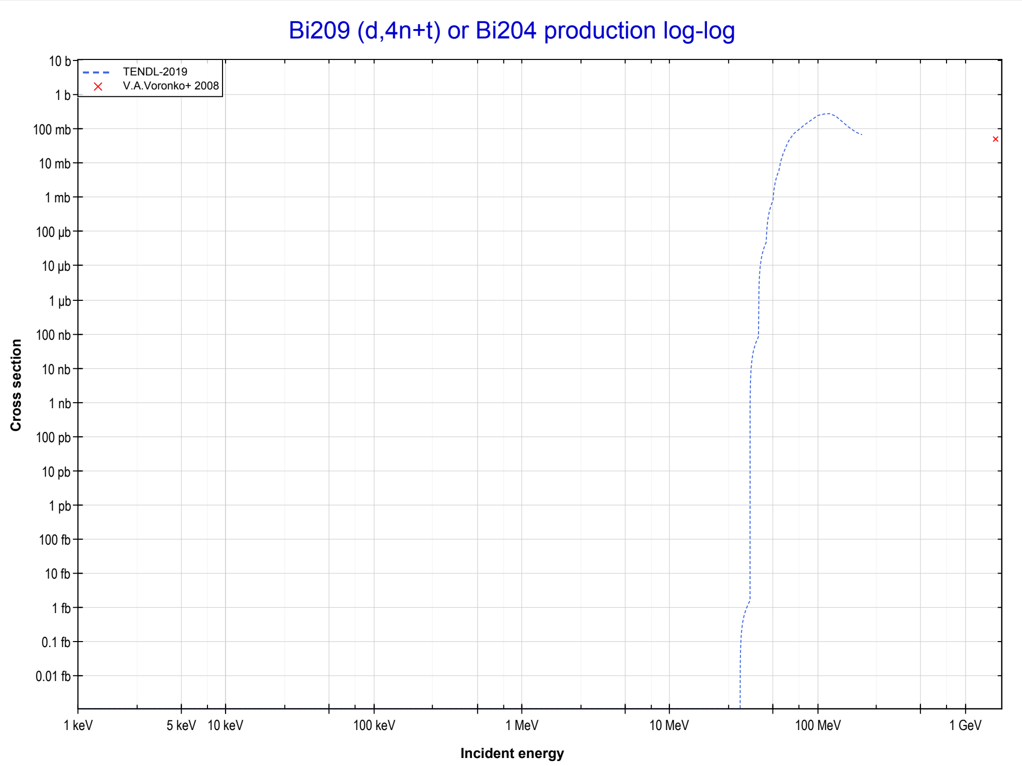


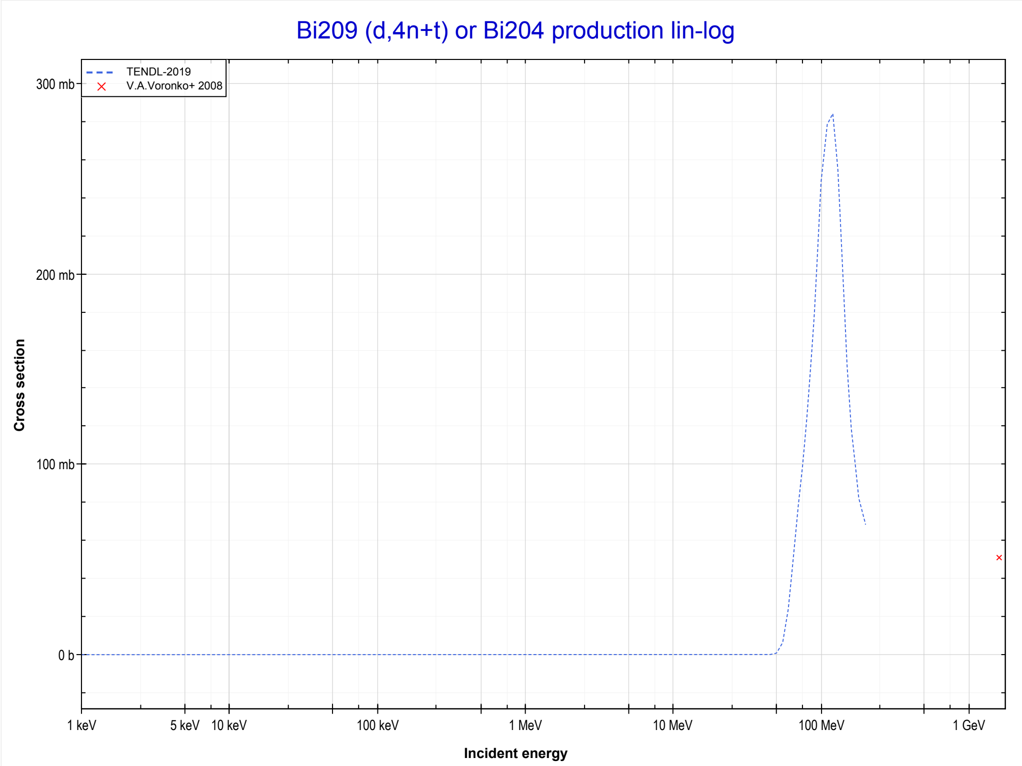
Bi209 (d,6n+d) or Bi203 production lin-log



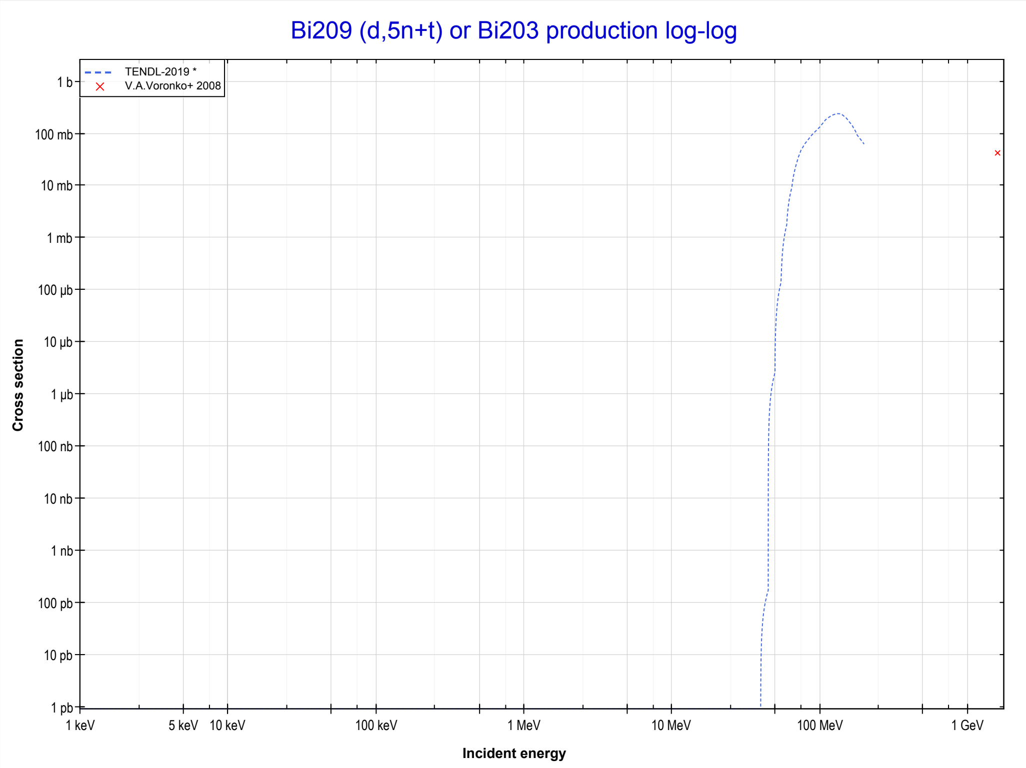
Reaction	Q-Value
Bi209(d,5n+t)Bi203	-38904.37 keV
Bi209(d,6n+d)Bi203	-45161.60 keV
Bi209(d,7n+p)Bi203	-47386.17 keV

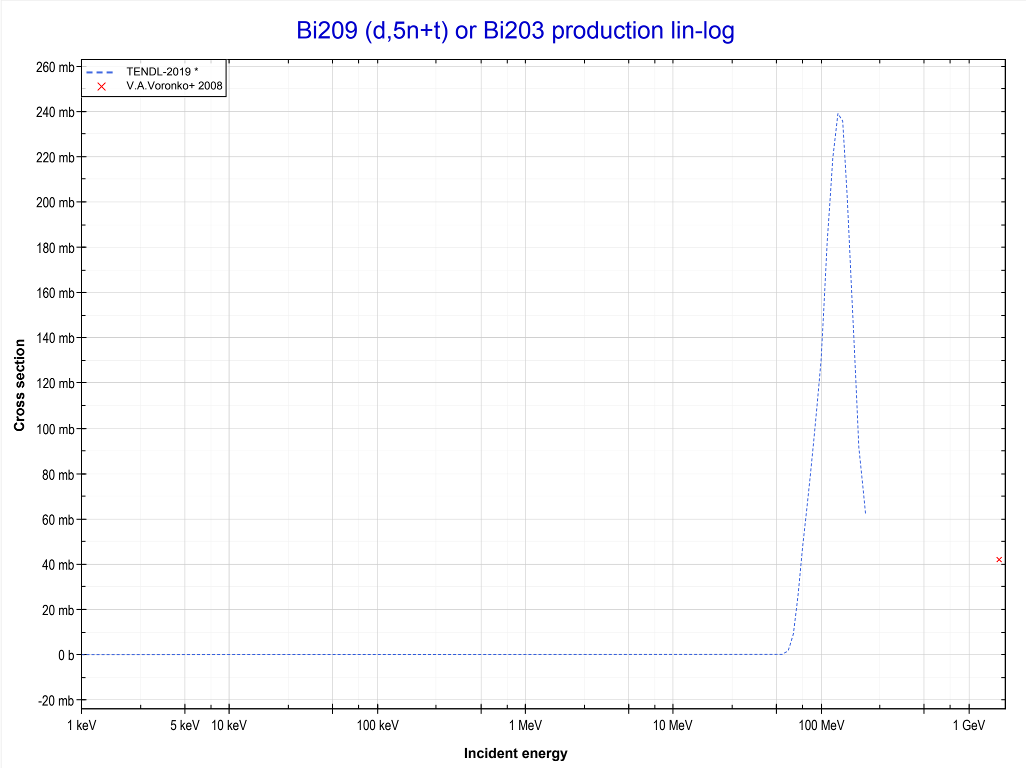
<< 79-Au-197	**83-Bi-209**	
<< MT171 (d,6n+d)	**MT173 (d,4n+t) or MT5 (Bi204 production)**	MT174 (d,5n+t) >>





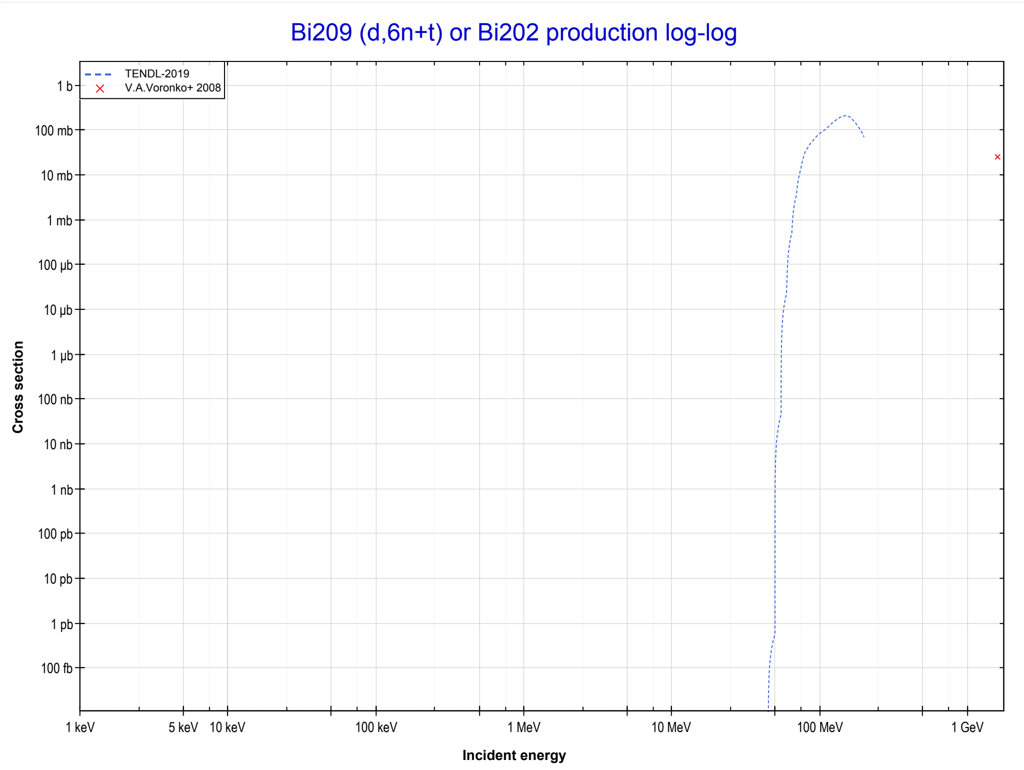
Reaction	Q-Value
Bi209(d,4n+t)Bi204	-31712.06 keV
Bi209(d,5n+d)Bi204	-37969.29 keV
Bi209(d,6n+p)Bi204	-40193.85 keV

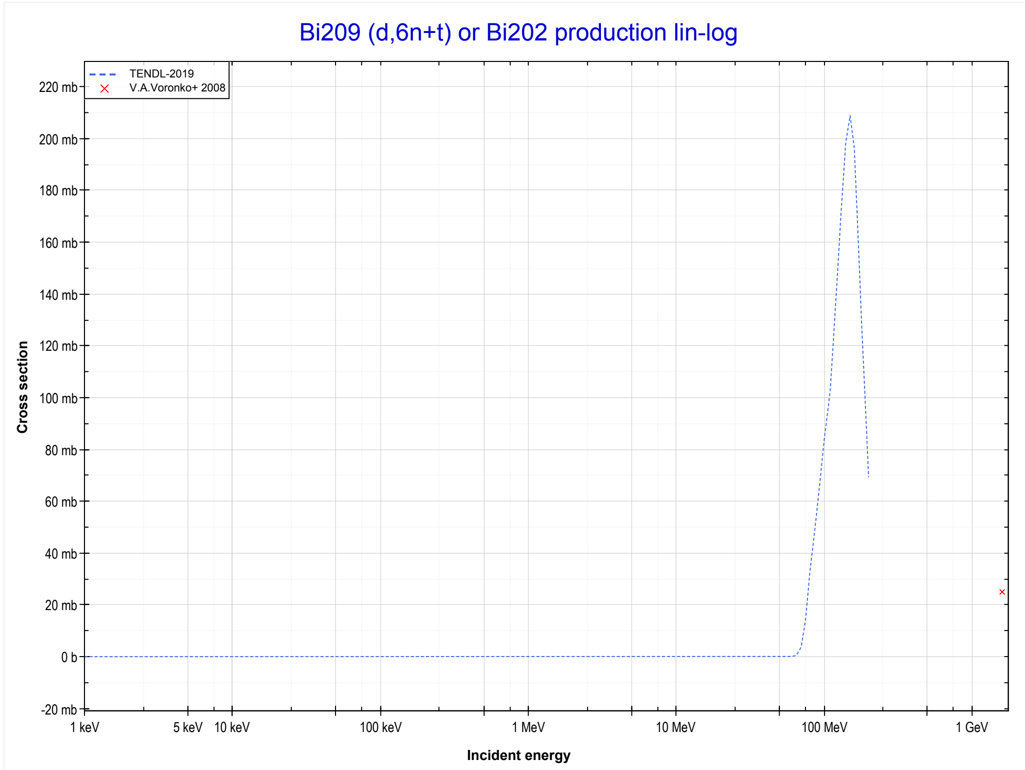




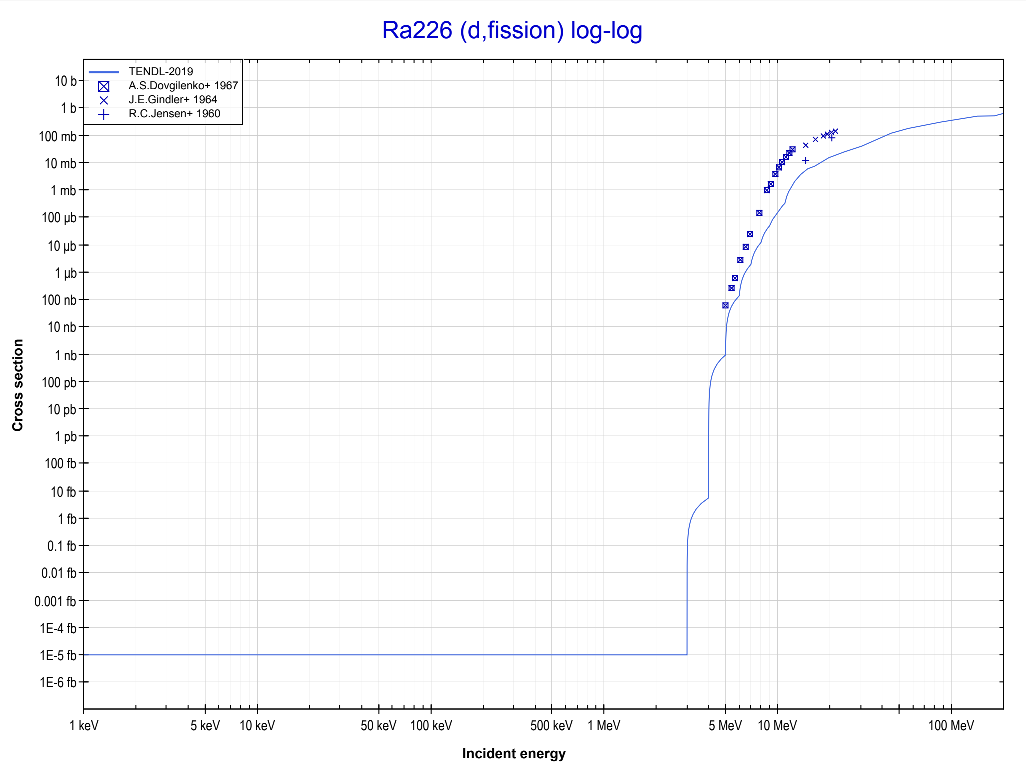
Reaction	Q-Value
Bi209(d,5n+t)Bi203	-38904.37 keV
Bi209(d,6n+d)Bi203	-45161.60 keV
Bi209(d,7n+p)Bi203	-47386.17 keV

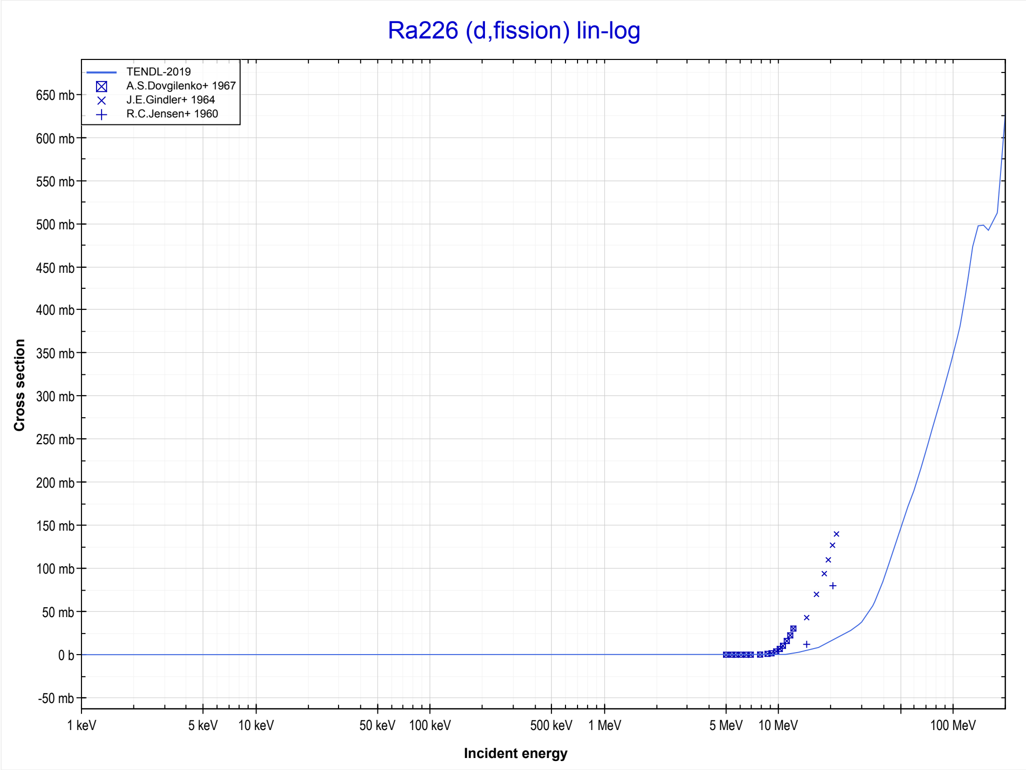
	83-Bi-209	
<< MT174 (d,5n+t)	**MT175 (d,6n+t) or MT5 (Bi202 production)**	88-Ra-226 MT18 (d,fission) >>



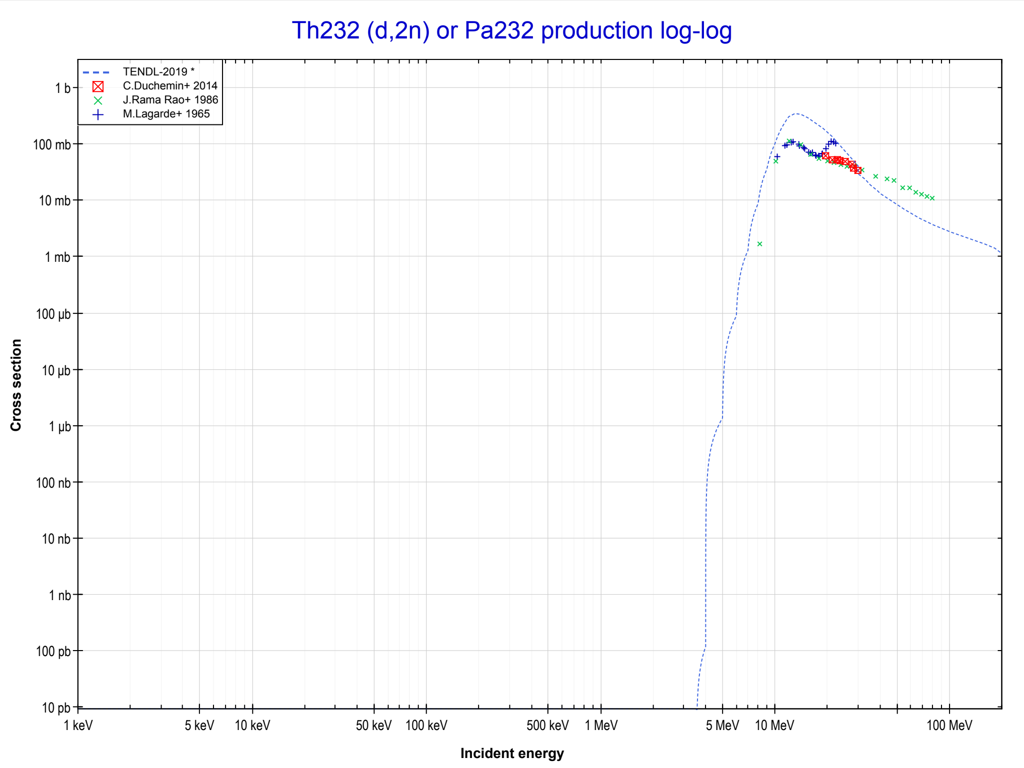


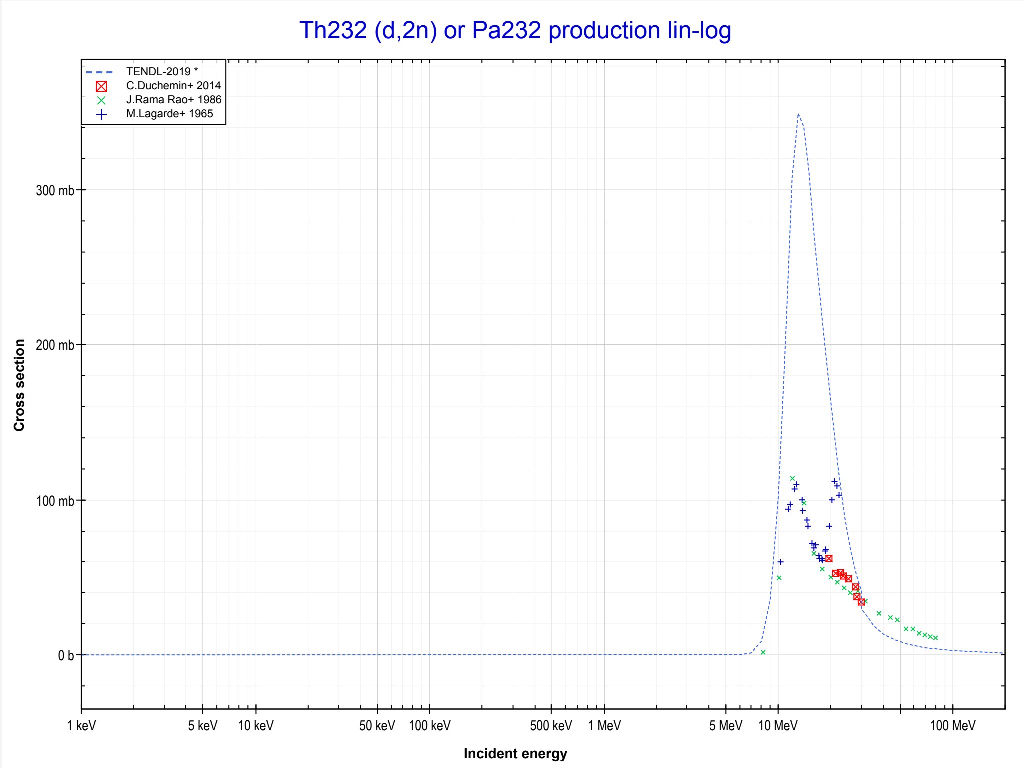
Reaction	Q-Value
Bi209(d,6n+t)Bi202	-47759.69 keV
Bi209(d,7n+d)Bi202	-54016.92 keV
Bi209(d,8n+p)Bi202	-56241.49 keV


Ra226 (d,fission) log-log
TENDL-2019
A.S.Dovgilenko+ 1967
J.E.Gindler+ 1964
R.C.Jensen+ 1960
Cross section
Incident energy


Ra226 (d,fission) lin-log
TENDL-2019
A.S.Dovgilenko+ 1967
J.E.Gindler+ 1964
R.C.Jensen+ 1960
Cross section
Incident energy

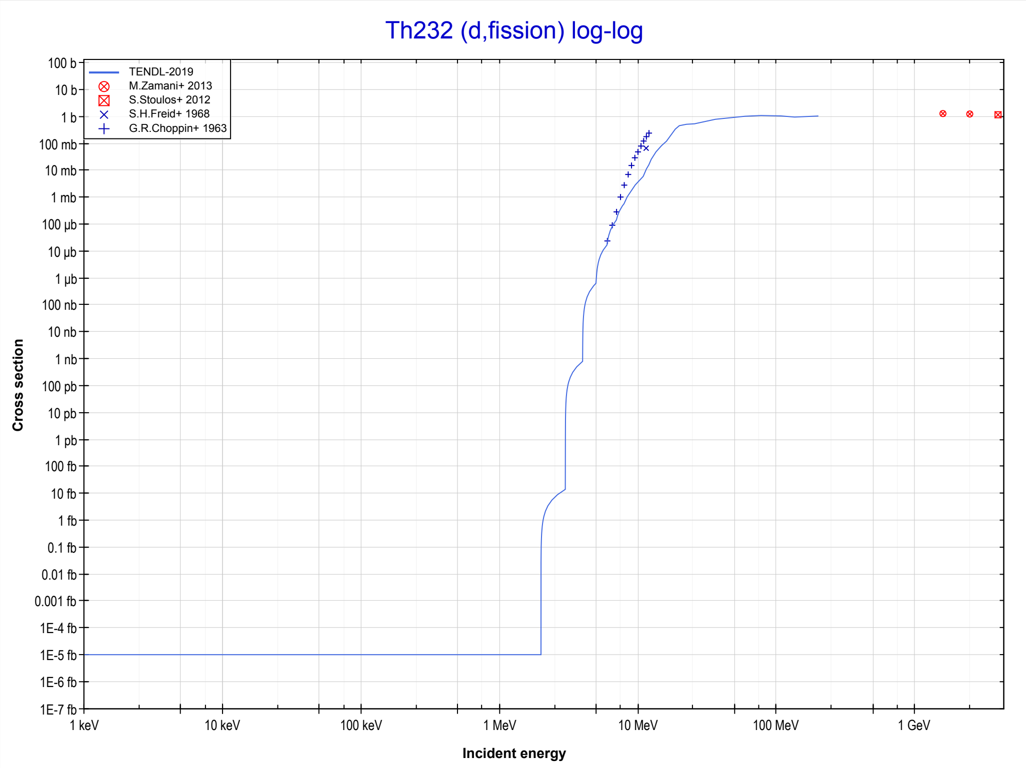
<< 83-Bi-209	**90-Th-232**	92-U-233 >>
<< 88-Ra-226 MT18 (d,fission)	**MT16 (d,2n) or MT5 (Pa232 production)**	MT18 (d,fission) >>

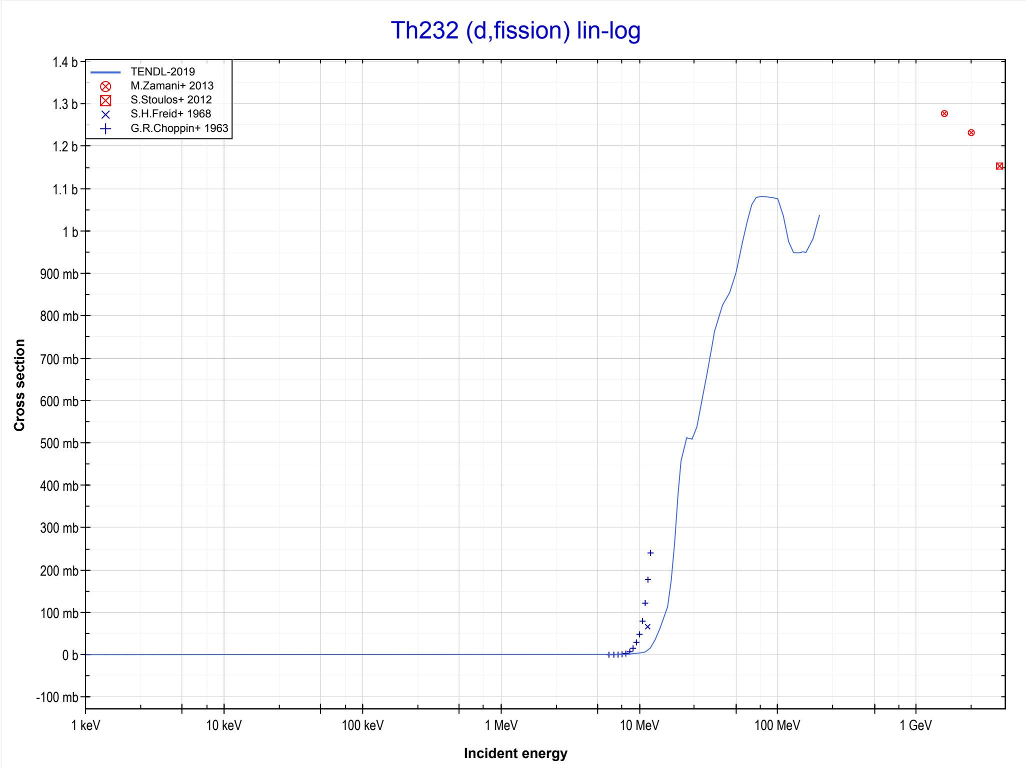




Reaction	Q-Value
Th232(d,2n)Pa232	-3507.11 keV

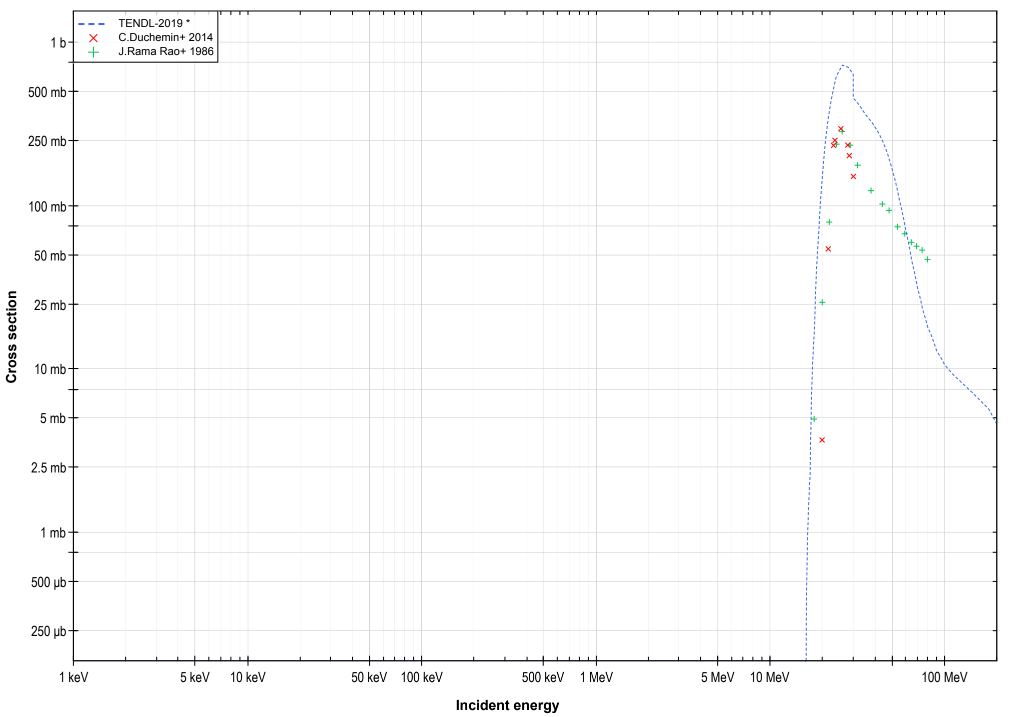
<< 88-Ra-226	**90-Th-232**	92-U-233 >>
<< MT16 (d,2n)	**MT18 (d,fission)**	MT37 (d,4n) >>



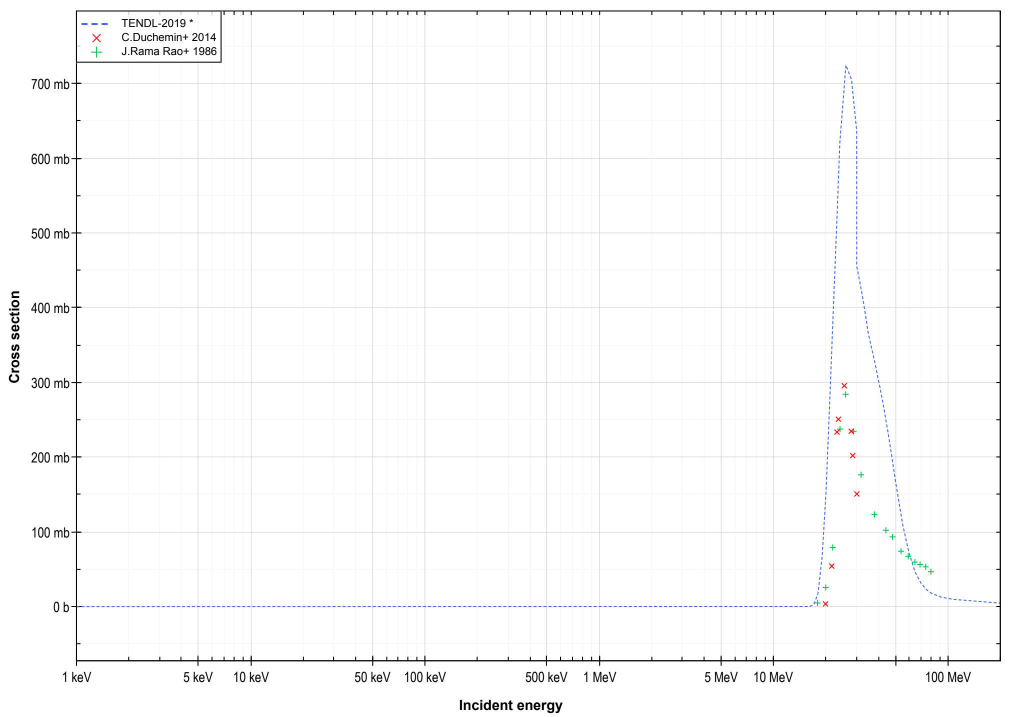


<< 83-Bi-209	**90-Th-232**	92-U-238 >>
<< MT18 (d,fission)	**MT37 (d,4n) or MT5 (Pa230 production)**	MT153 (d,6n) >>

Th232 (d,4n) or Pa230 production log-log

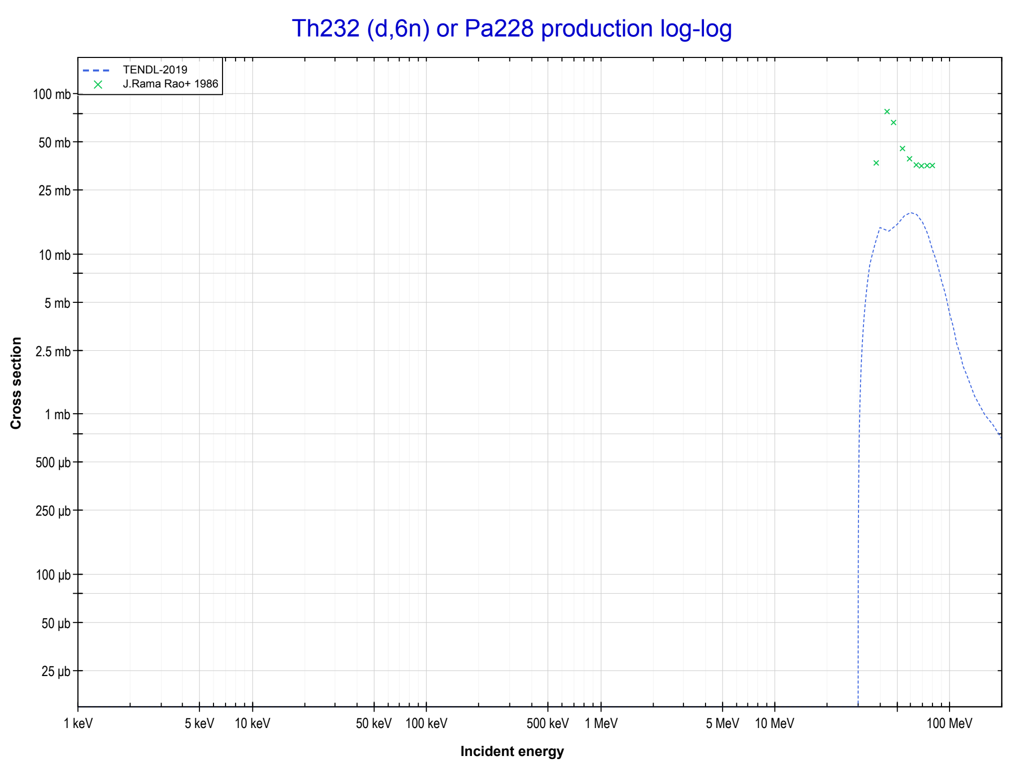


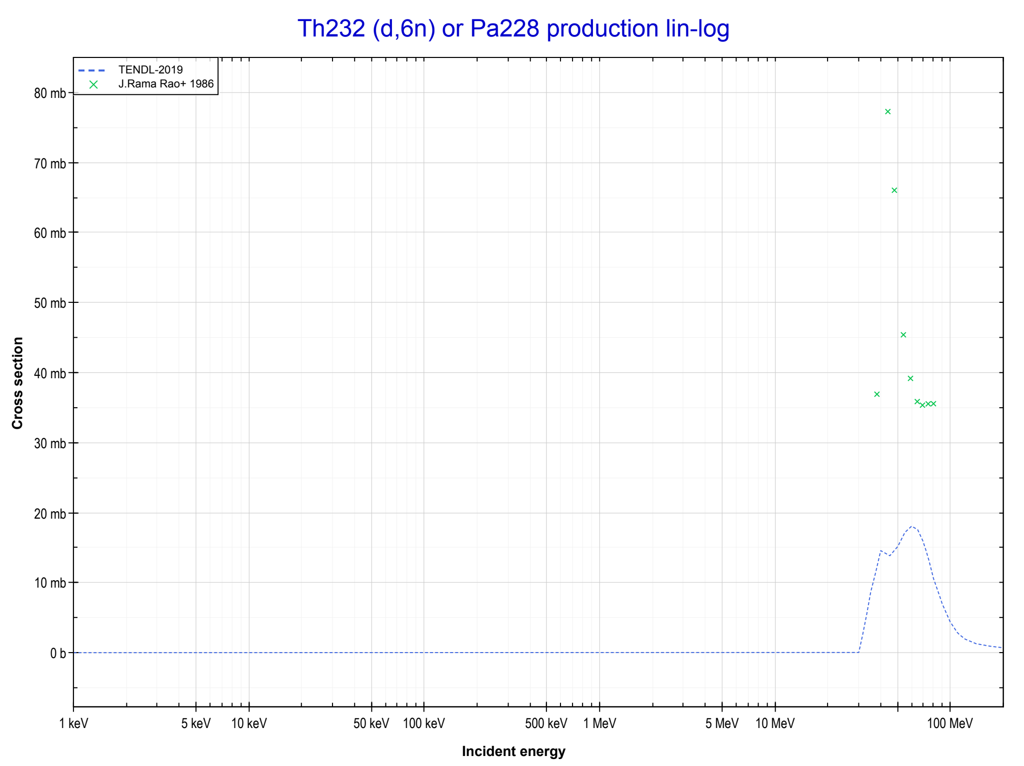
Th232 (d,4n) or Pa230 production lin-log



Reaction	Q-Value
Th232(d,4n)Pa230	-15876.75 keV

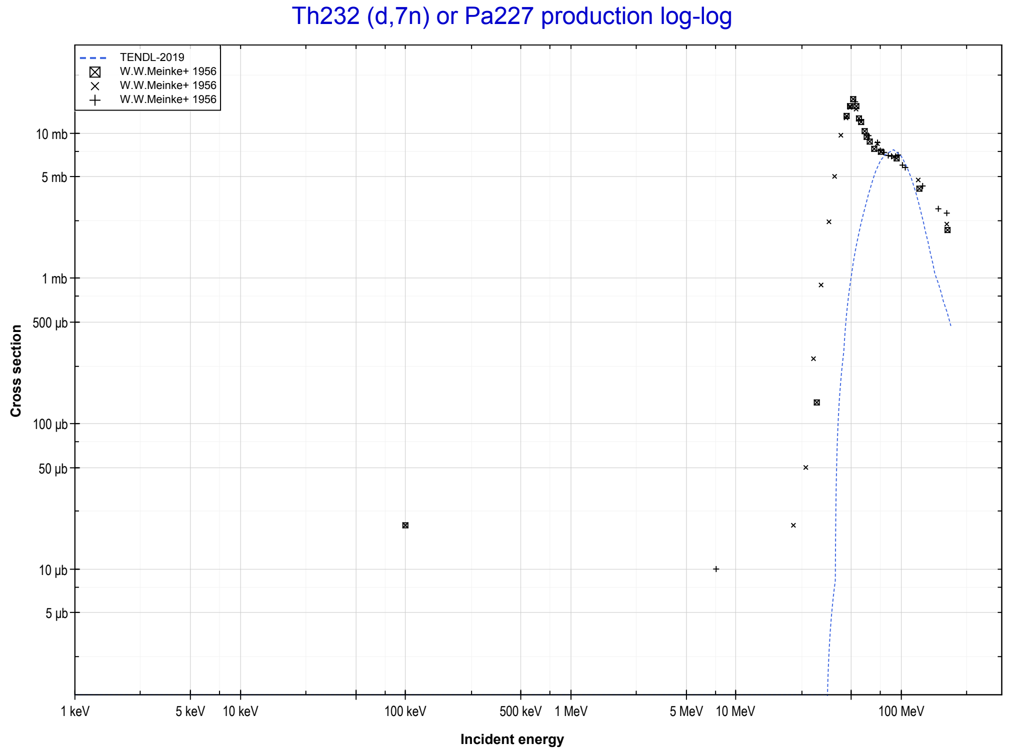
<< 83-Bi-209	**90-Th-232**	
<< MT37 (d,4n)	**MT153 (d,6n) or MT5 (Pa228 production)**	MT160 (d,7n) >>

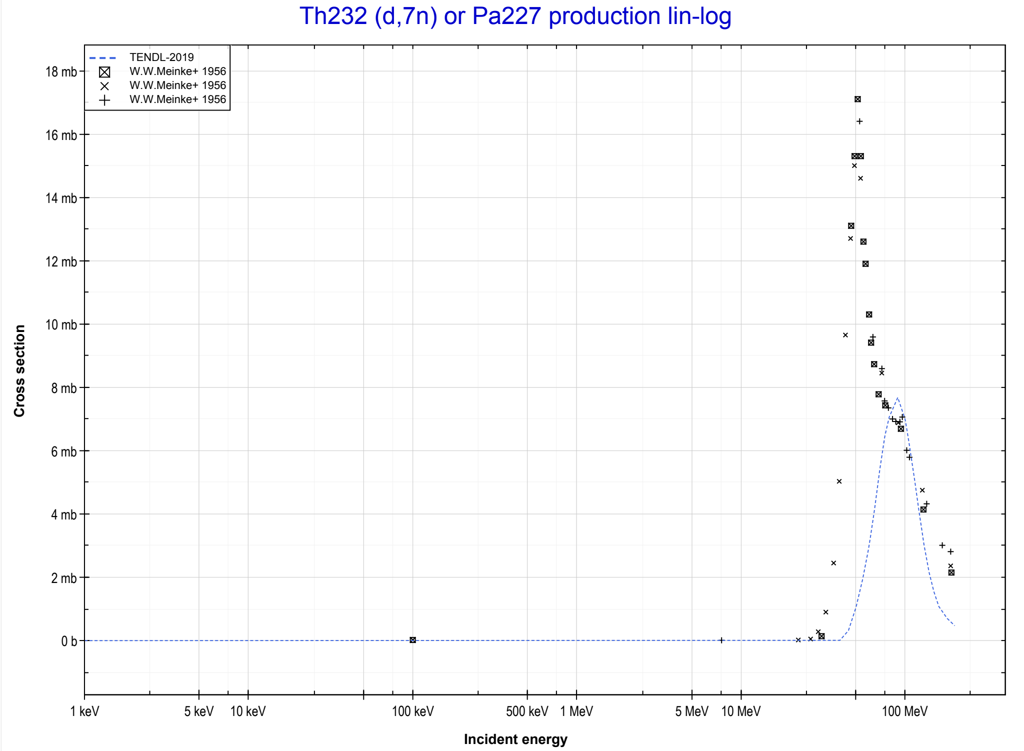




Reaction	Q-Value
Th232(d,6n)Pa228	-28769.38 keV

<< 83-Bi-209	90-Th-232	
<< MT153 (d,6n)	**MT160 (d,7n) or MT5 (Pa227 production)**	91-Pa-231 MT17 (d,3n) >>

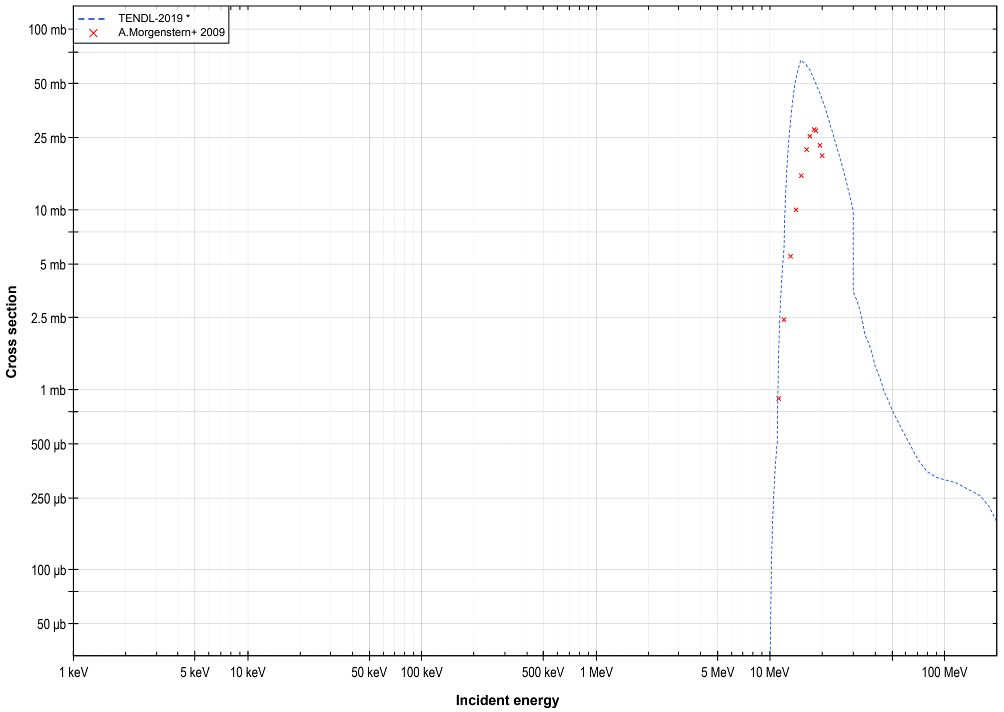




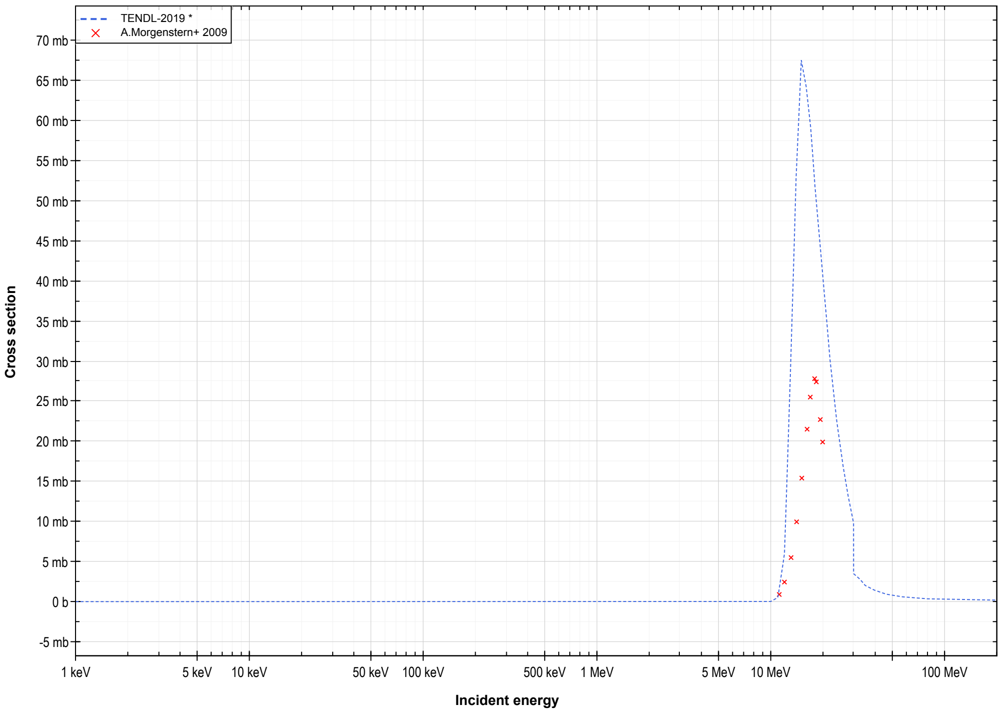
Reaction	Q-Value
Th232(d,7n)Pa227	-34747.70 keV

<< 83-Bi-209	**91-Pa-231**	92-U-233 >>
<< 90-Th-232 MT160 (d,7n)	**MT17 (d,3n) or MT5 (U230 production)**	92-U-233 MT4 (d,n) >>

Pa231 (d,3n) or U230 production log-log



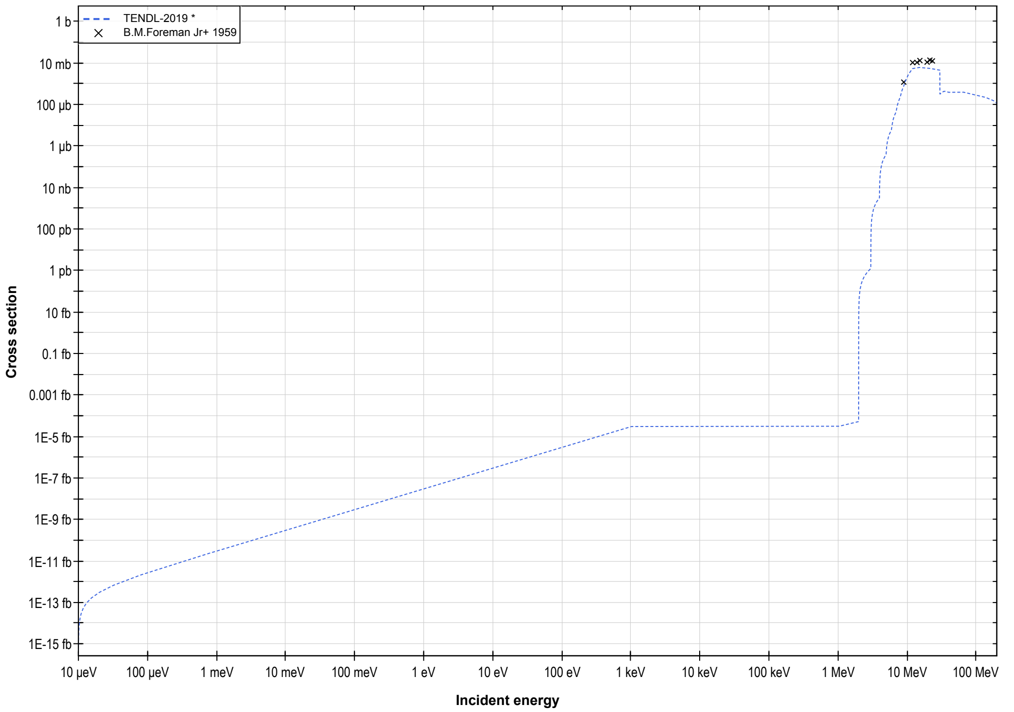
Pa231 (d,3n) or U230 production lin-log



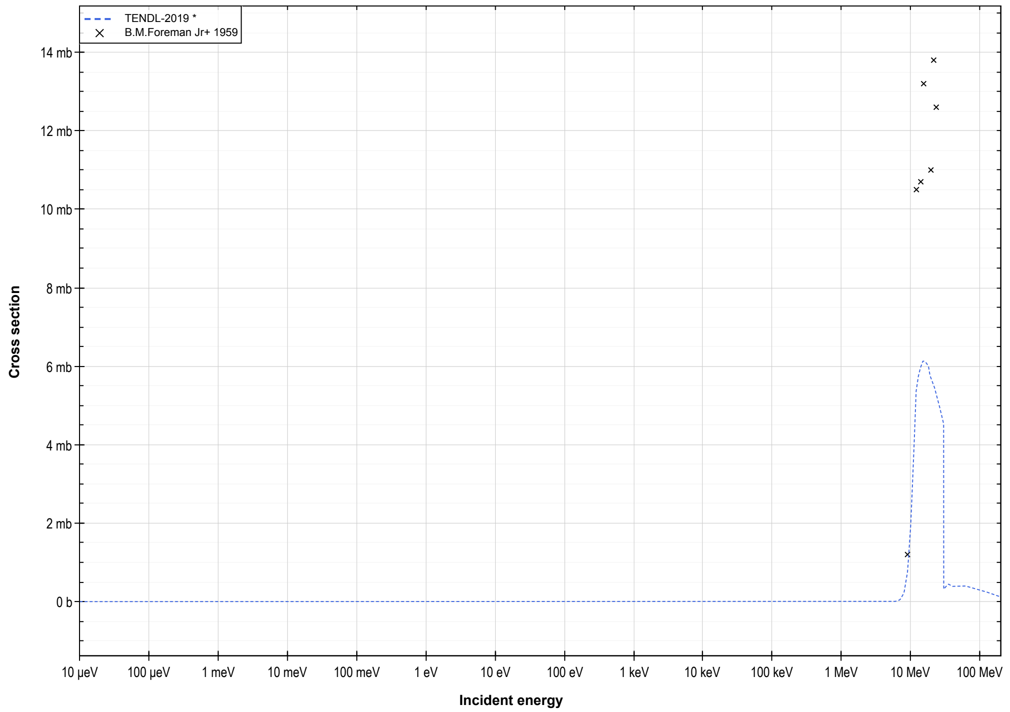
Reaction	Q-Value
Pa231(d,3n)U230	-9268.83 keV

<< 83-Bi-209	**92-U-233**	92-U-234 >>
<< 91-Pa-231 MT17 (d,3n)	**MT4 (d,n) or MT5 (Np234 production)**	MT16 (d,2n) >>

U233 (d,n) or Np234 production log-log



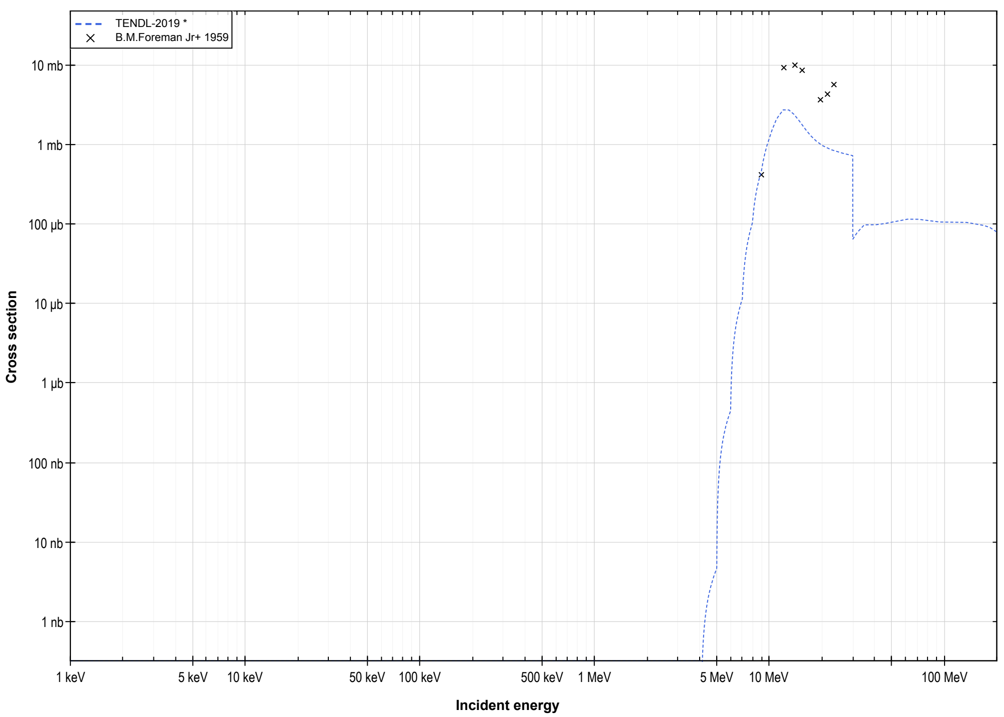
U233 (d,n) or Np234 production lin-log



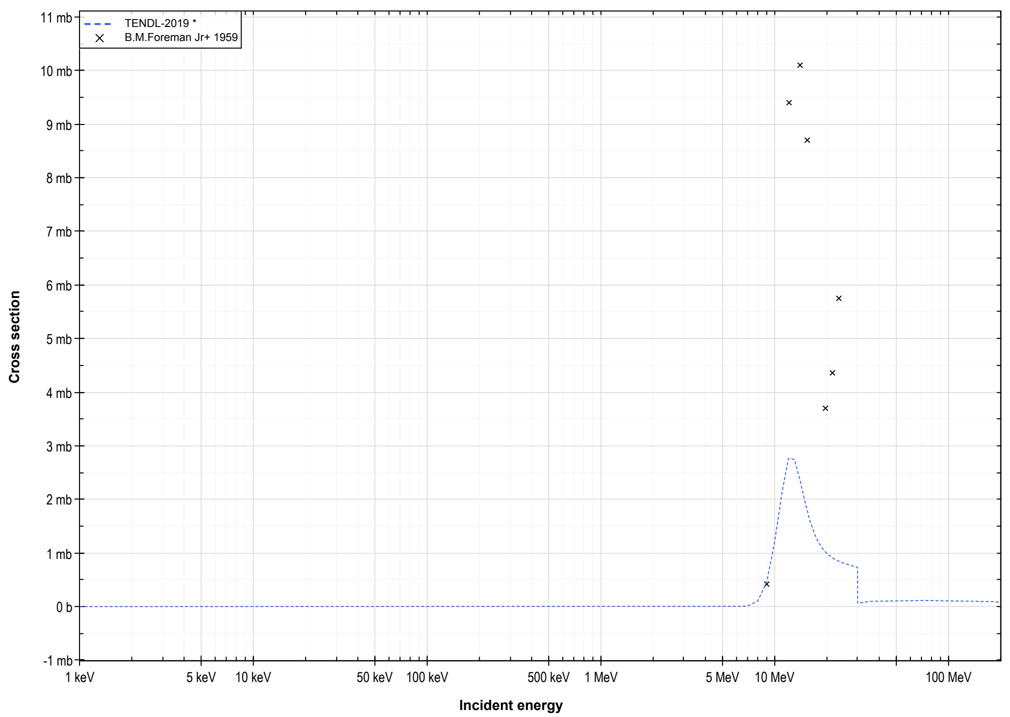
Reaction	Q-Value
U233(d,n)Np234	2028.60 keV

<< 90-Th-232	**92-U-233**	92-U-234 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Np233 production)**	MT17 (d,3n) >>

U233 (d,2n) or Np233 production log-log

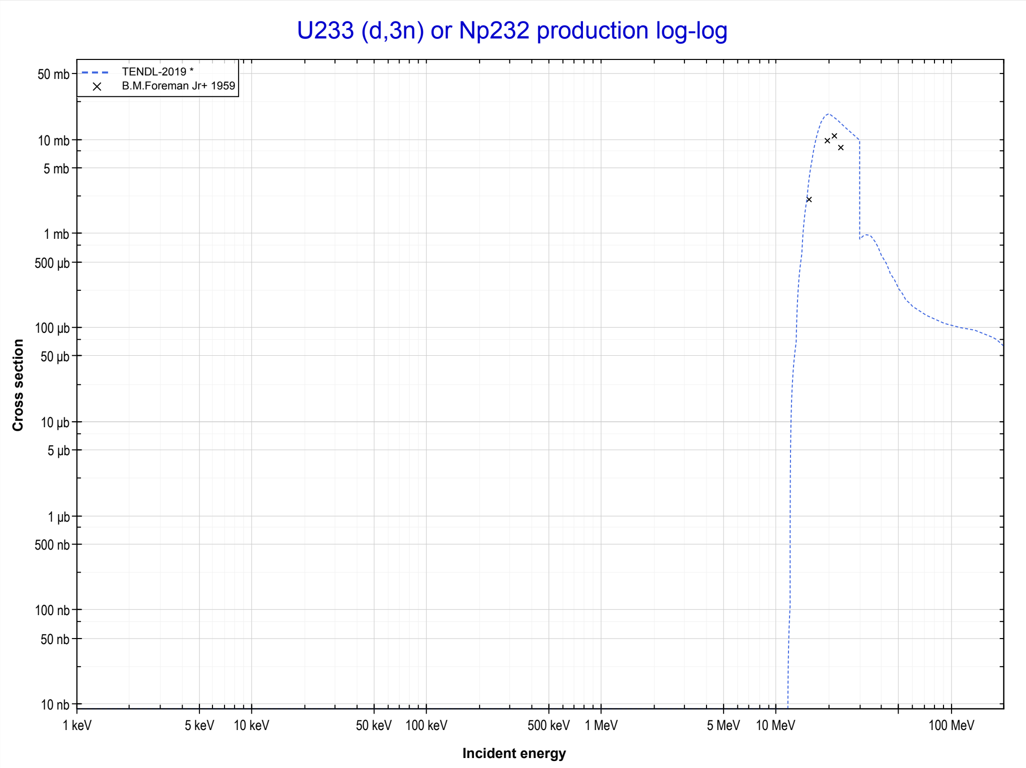


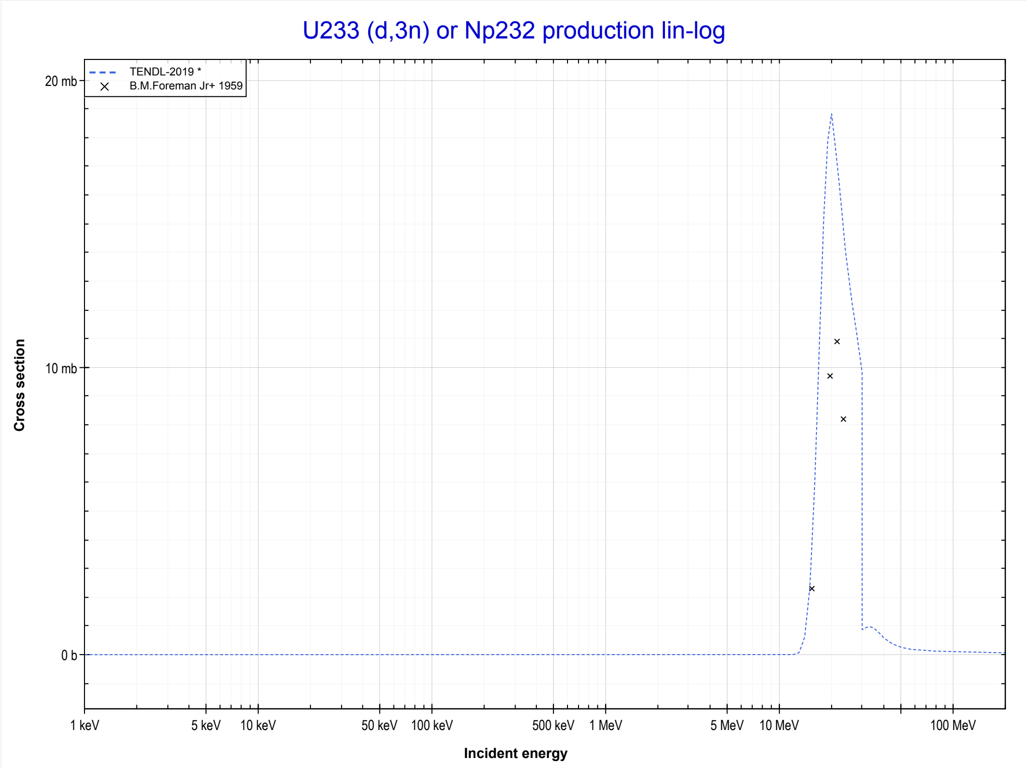
U233 (d,2n) or Np233 production lin-log



Reaction	Q-Value
U233(d,2n)Np233	-4037.71 keV

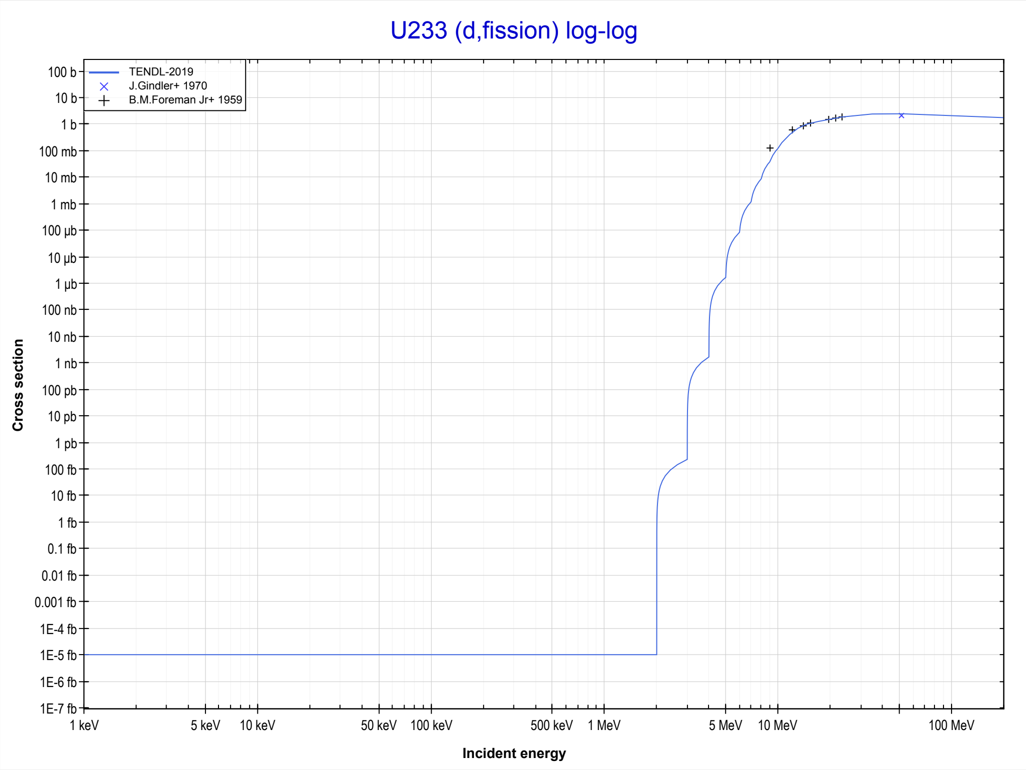
<< 91-Pa-231	**92-U-233**	92-U-234 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Np232 production)**	MT18 (d,fission) >>

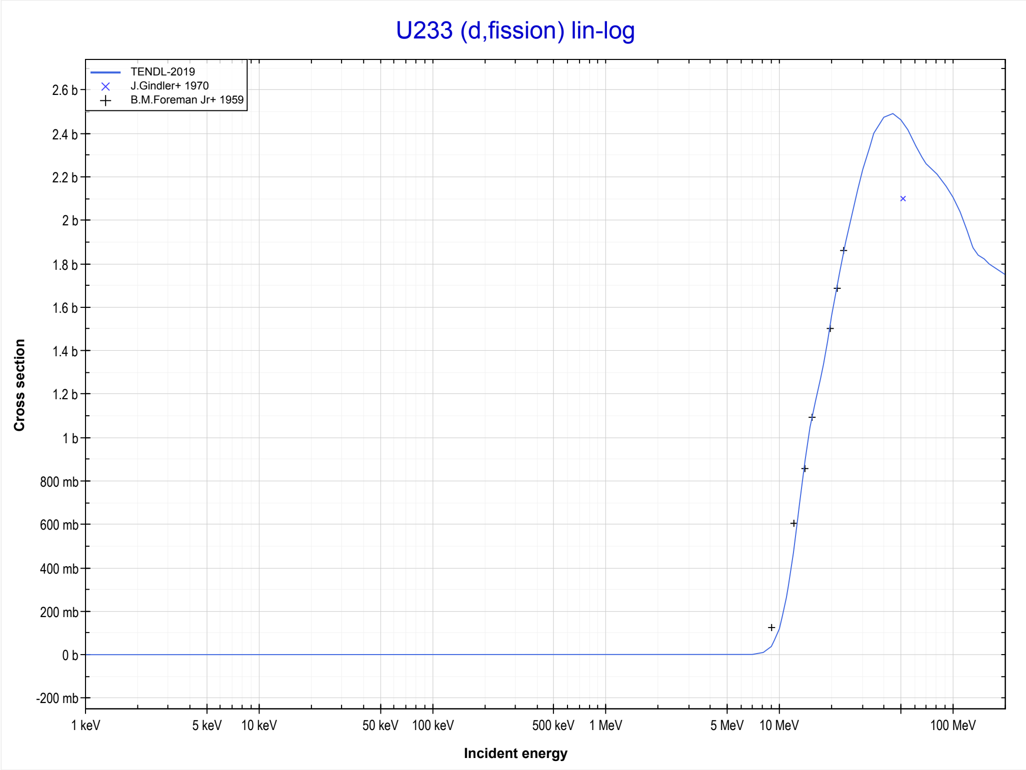




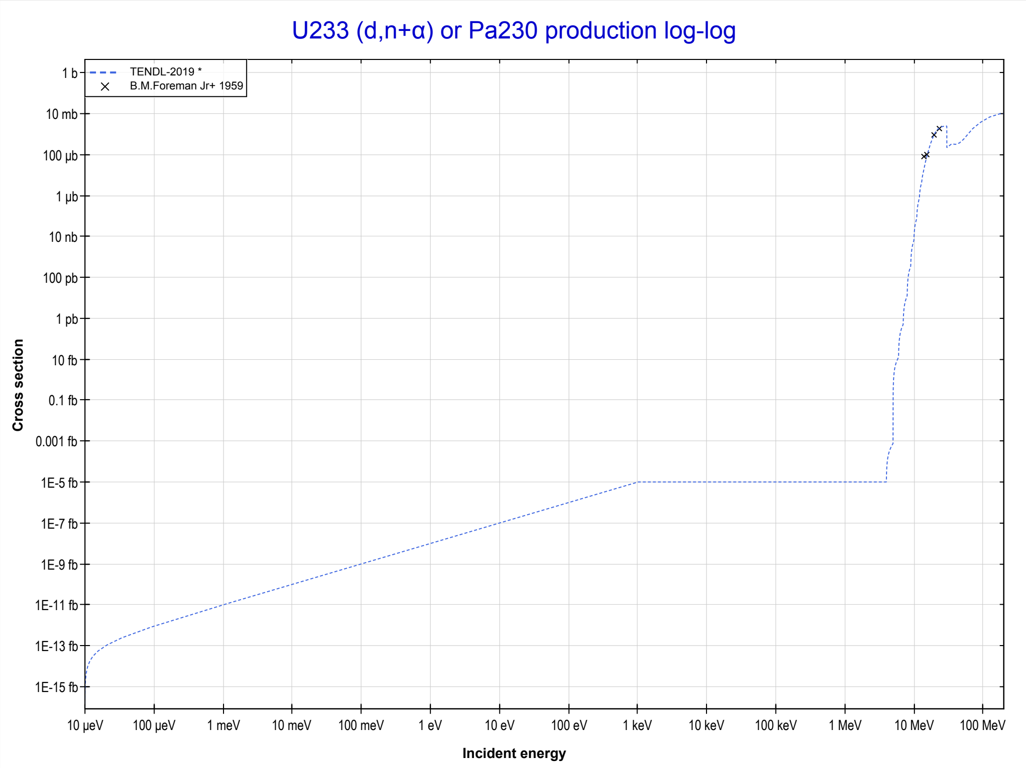
Reaction	Q-Value
U233(d,3n)Np232	-11519.03 keV

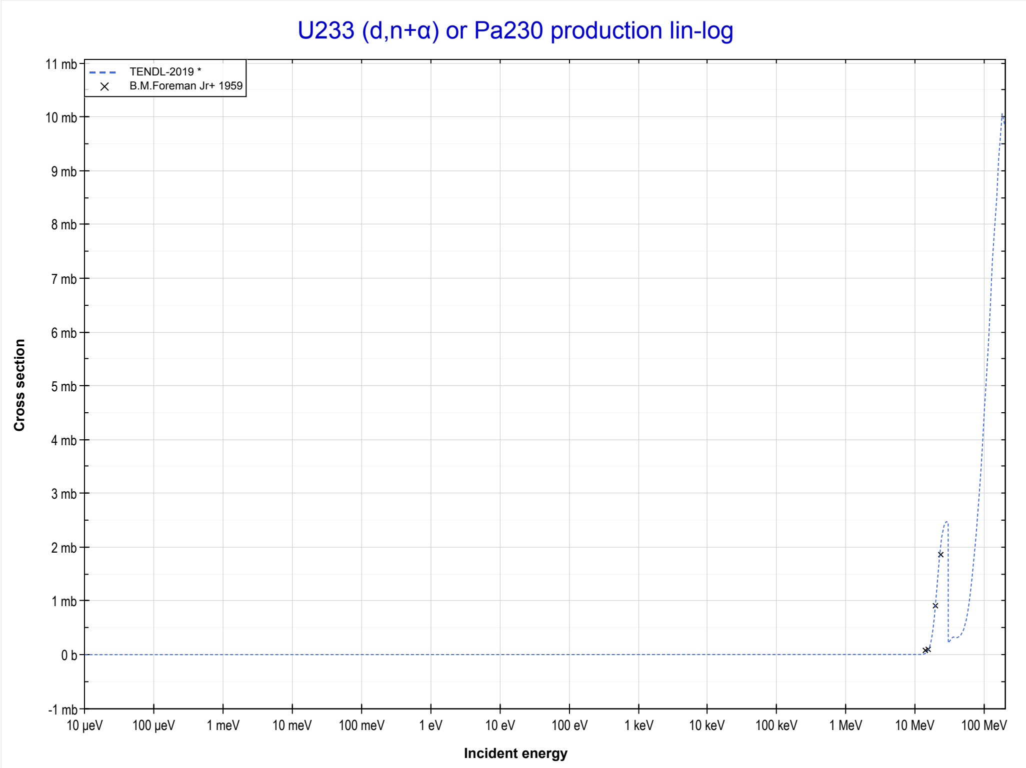
<< 90-Th-232	**92-U-233**	92-U-234 >>
<< MT17 (d,3n)	**MT18 (d,fission)**	MT22 (d,n+α) >>





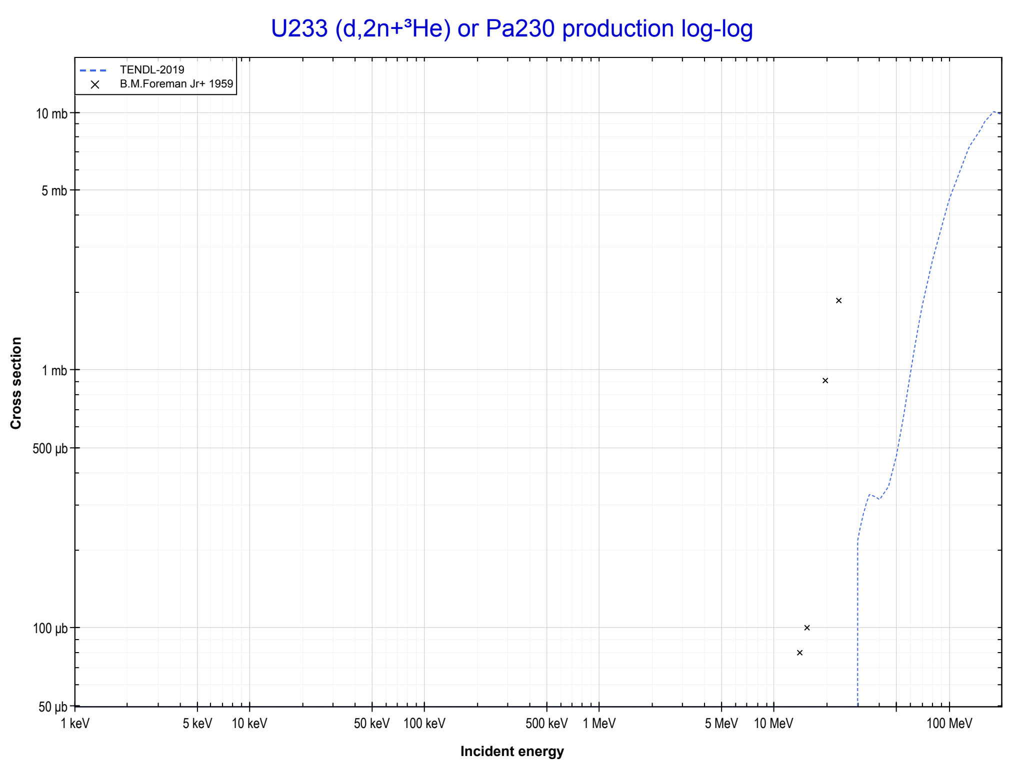
<< 74-W-186	**92-U-233**	
<< MT18 (d,fission)	**MT22 (d,n+α) or MT5 (Pa230 production)**	MT176 (d,2n+³He) >>

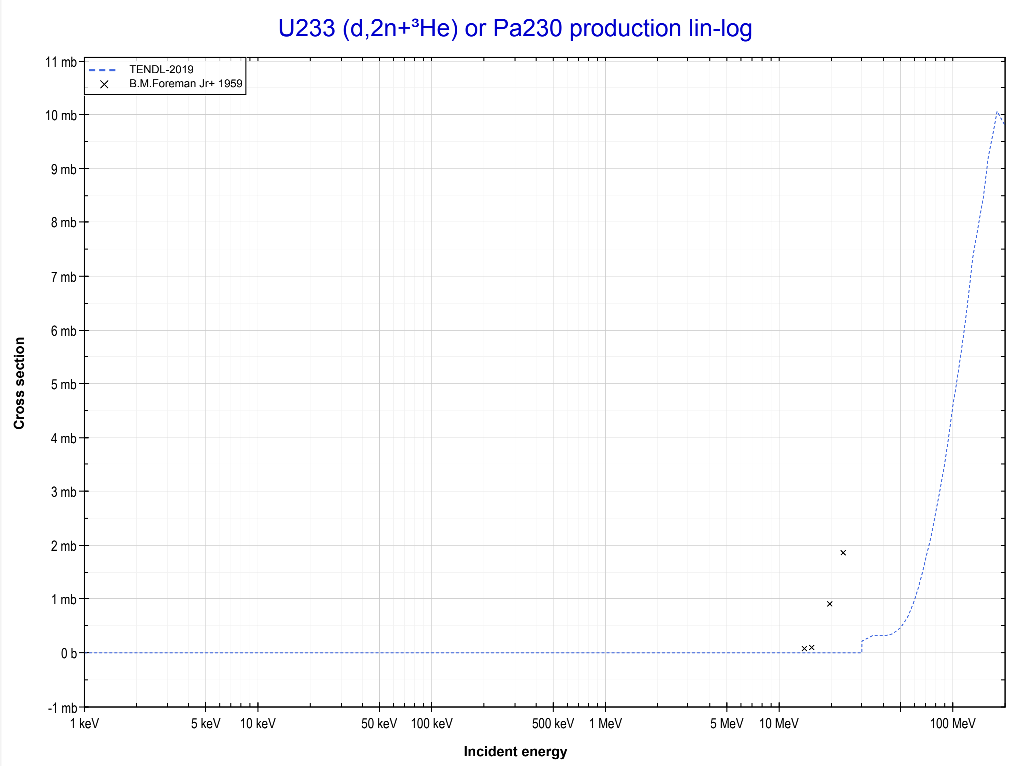




Reaction	Q-Value
U233(d,n+α)Pa230	7384.69 keV
U233(d,d+t)Pa230	-10204.61 keV
U233(d,n+p+t)Pa230	-12429.18 keV
U233(d,2n+He3)Pa230	-13192.93 keV
U233(d,n+2d)Pa230	-16461.84 keV
U233(d,2n+p+d)Pa230	-18686.40 keV
U233(d,3n+2p)Pa230	-20910.97 keV

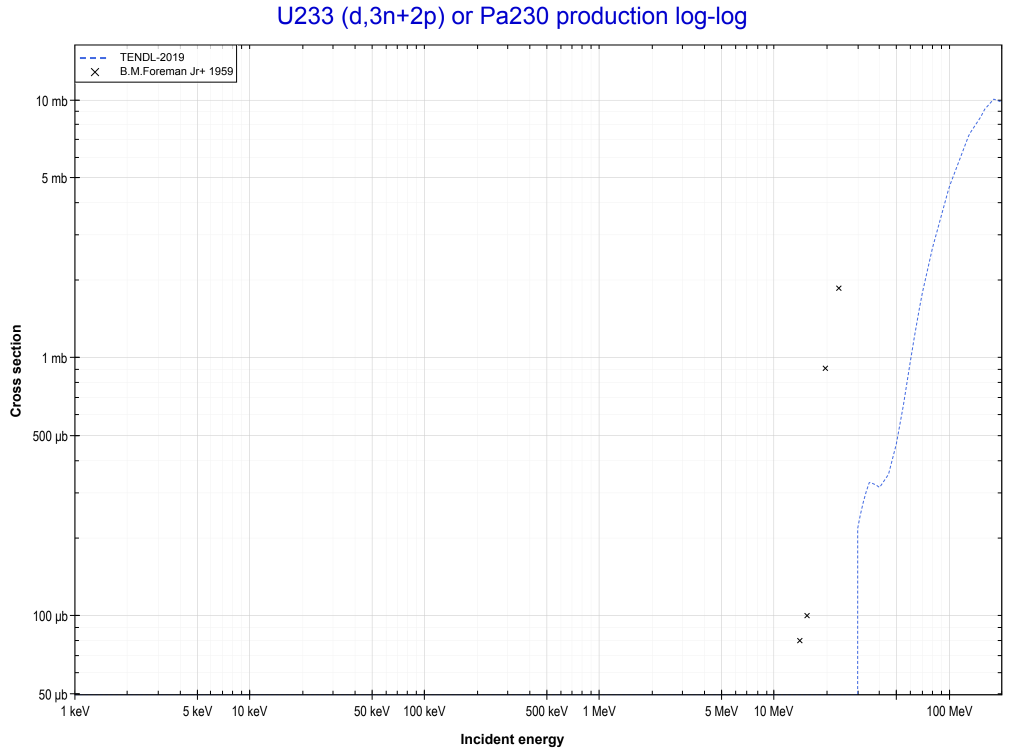
<< 40-Zr-91	**92-U-233**	
<< MT22 (d,n+α)	**MT176 (d,2n+³He) or MT5 (Pa230 production)**	MT179 (d,3n+2p) >>

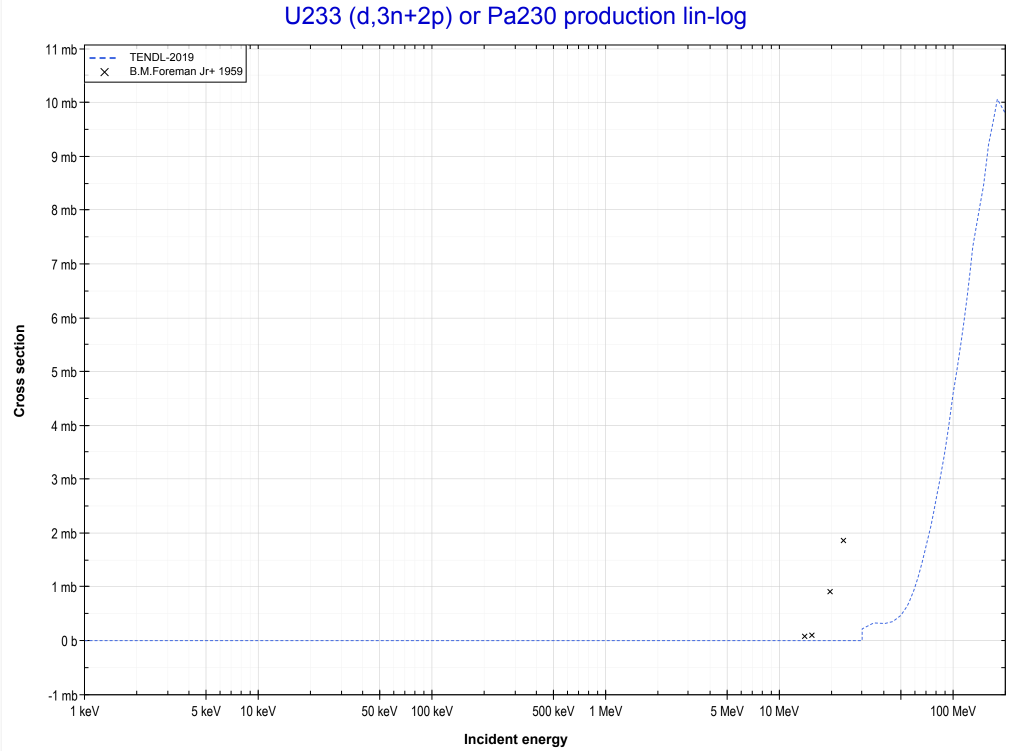




Reaction	Q-Value
U233(d,n+α)Pa230	7384.69 keV
U233(d,d+t)Pa230	-10204.61 keV
U233(d,n+p+t)Pa230	-12429.18 keV
U233(d,2n+He3)Pa230	-13192.93 keV
U233(d,n+2d)Pa230	-16461.84 keV
U233(d,2n+p+d)Pa230	-18686.40 keV
U233(d,3n+2p)Pa230	-20910.97 keV

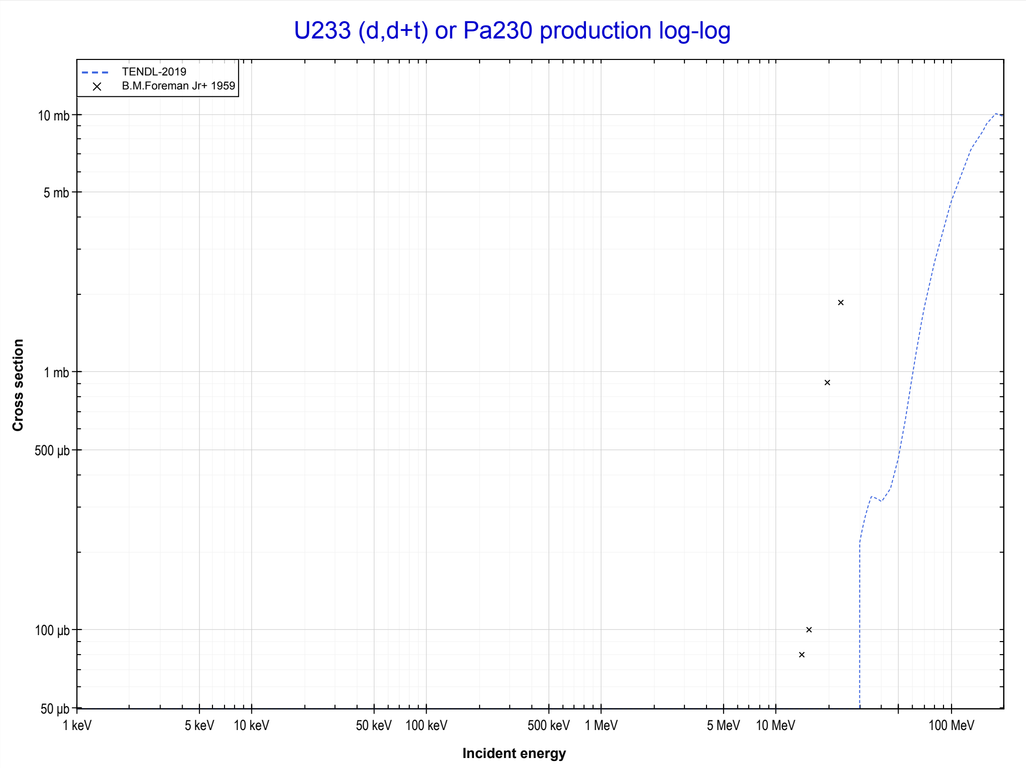
<< 40-Zr-91	92-U-233	
<< MT176 (d,2n+³He)	**MT179 (d,3n+2p) or MT5 (Pa230 production)**	MT182 (d,d+t) >>

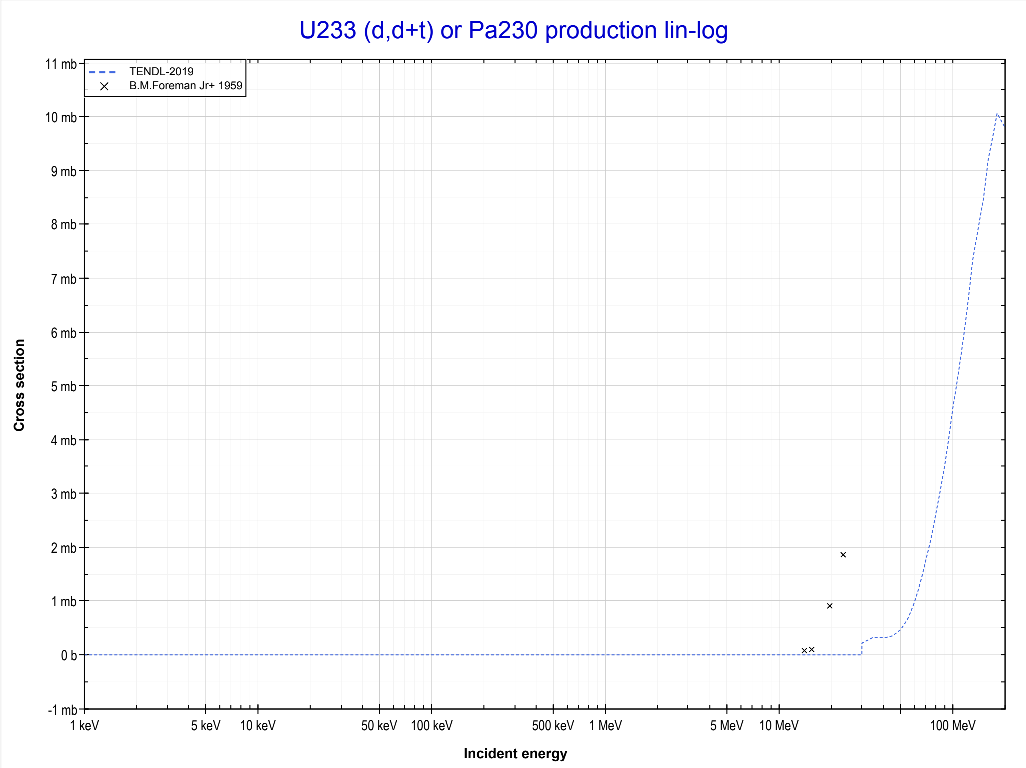




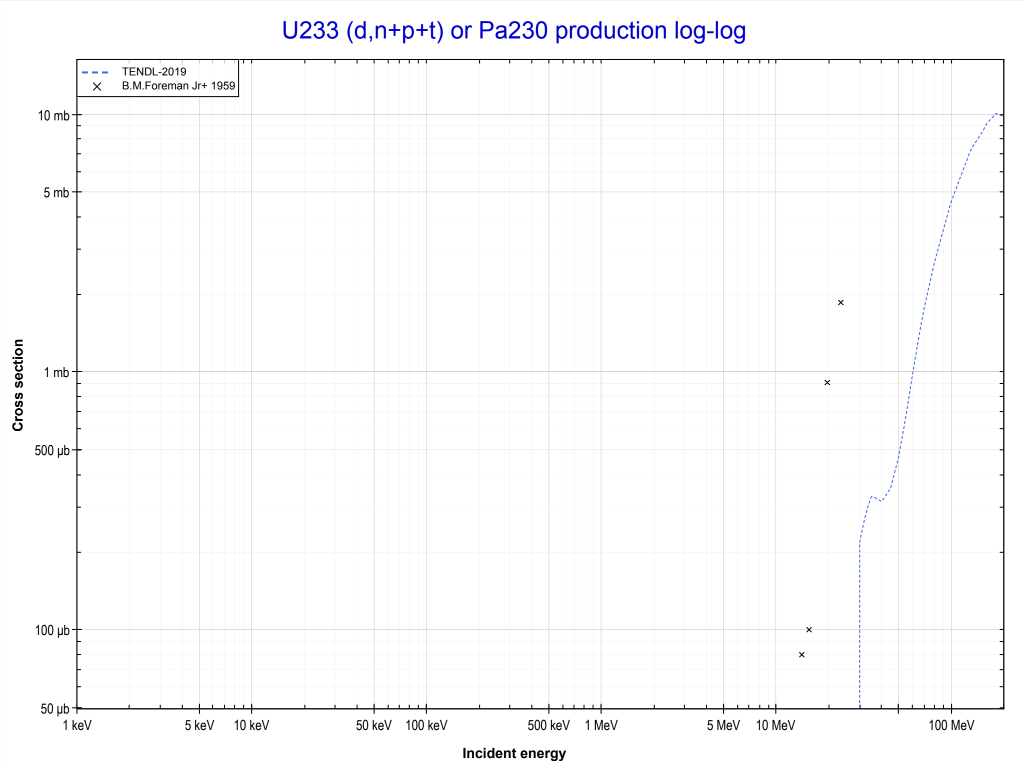
Reaction	Q-Value
U233(d,n+α)Pa230	7384.69 keV
U233(d,d+t)Pa230	-10204.61 keV
U233(d,n+p+t)Pa230	-12429.18 keV
U233(d,2n+He3)Pa230	-13192.93 keV
U233(d,n+2d)Pa230	-16461.84 keV
U233(d,2n+p+d)Pa230	-18686.40 keV
U233(d,3n+2p)Pa230	-20910.97 keV

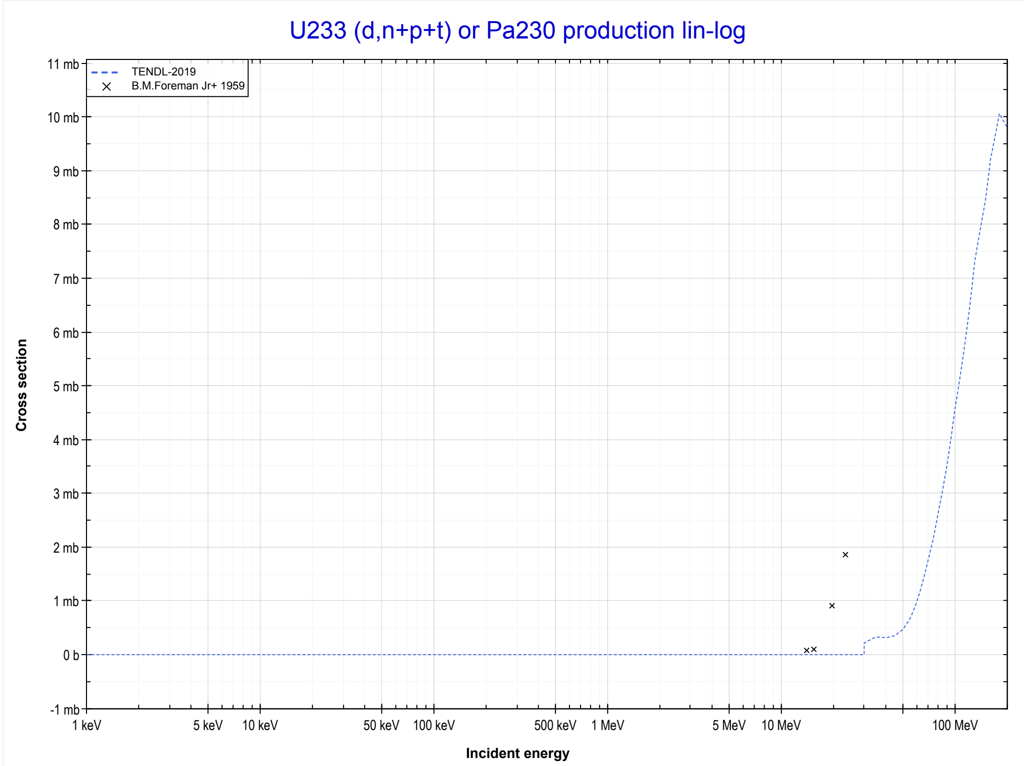
<< 40-Zr-91	**92-U-233**	
<< MT179 (d,3n+2p)	**MT182 (d,d+t) or MT5 (Pa230 production)**	MT184 (d,n+p+t) >>





Reaction	Q-Value
U233(d,n+α)Pa230	7384.69 keV
U233(d,d+t)Pa230	-10204.61 keV
U233(d,n+p+t)Pa230	-12429.18 keV
U233(d,2n+He3)Pa230	-13192.93 keV
U233(d,n+2d)Pa230	-16461.84 keV
U233(d,2n+p+d)Pa230	-18686.40 keV
U233(d,3n+2p)Pa230	-20910.97 keV

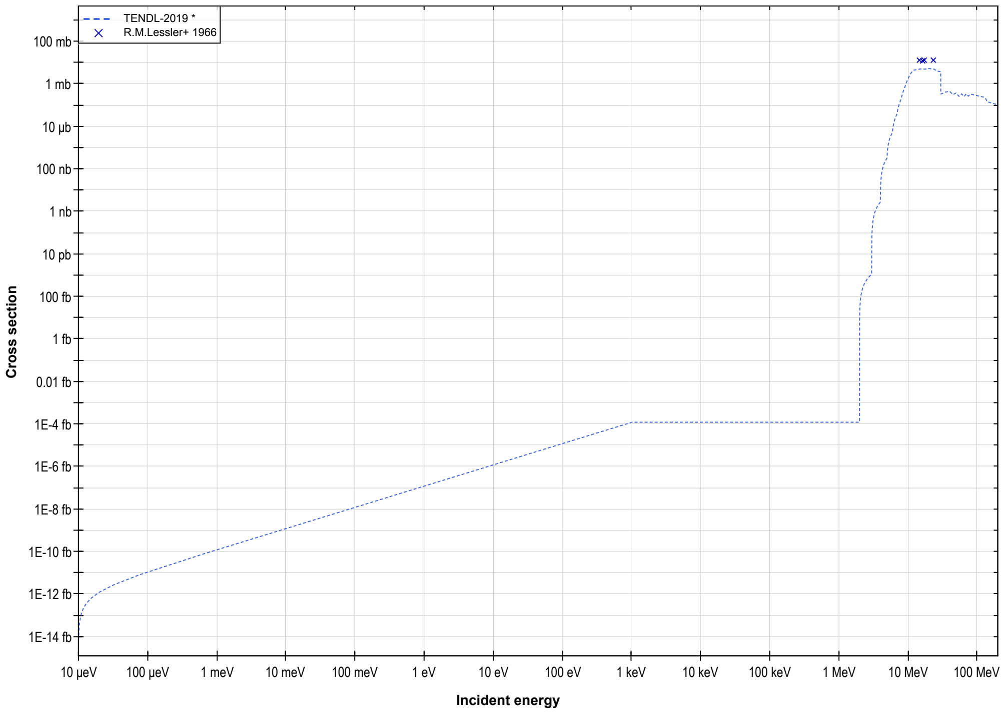




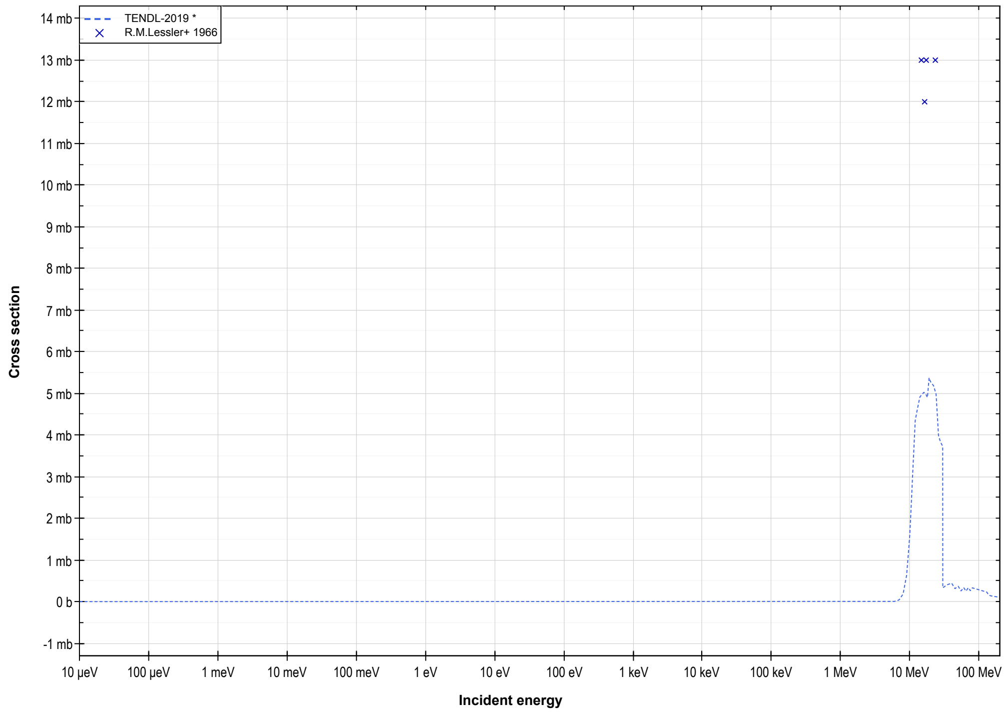
Reaction	Q-Value
U233(d,n+α)Pa230	7384.69 keV
U233(d,d+t)Pa230	-10204.61 keV
U233(d,n+p+t)Pa230	-12429.18 keV
U233(d,2n+He3)Pa230	-13192.93 keV
U233(d,n+2d)Pa230	-16461.84 keV
U233(d,2n+p+d)Pa230	-18686.40 keV
U233(d,3n+2p)Pa230	-20910.97 keV

<< 92-U-233	**92-U-234**	92-U-235 >>
<< 92-U-233 MT184 (d,n+p+t)	**MT4 (d,n) or MT5 (Np235 production)**	MT16 (d,2n) >>

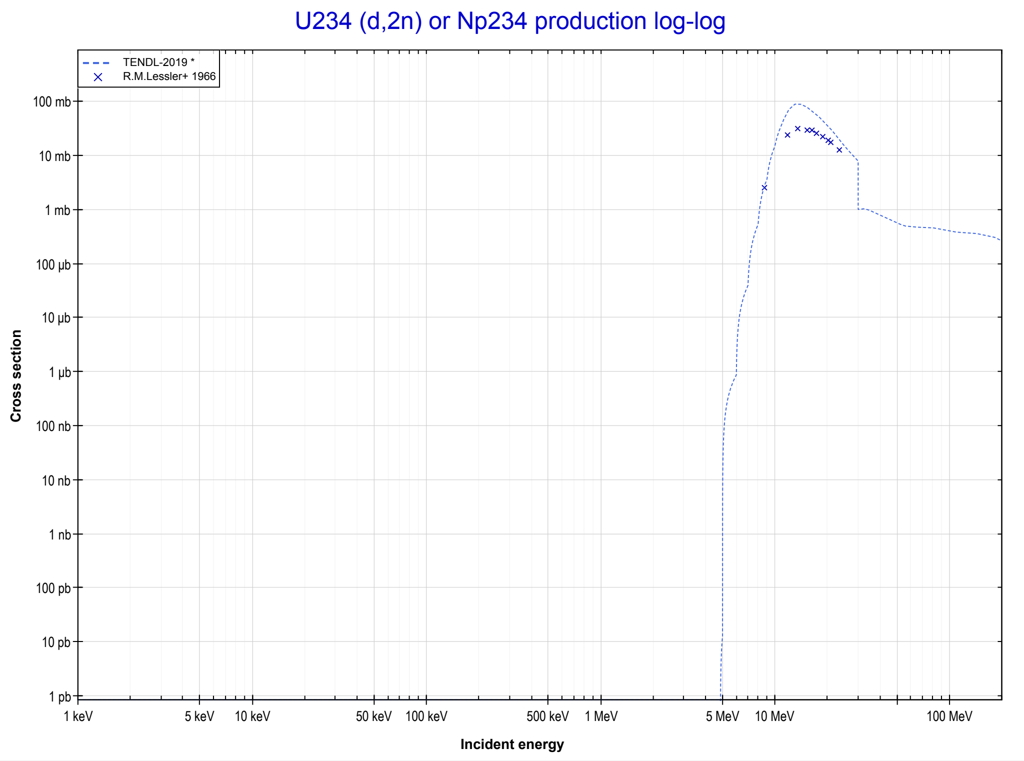
U234 (d,n) or Np235 production log-log

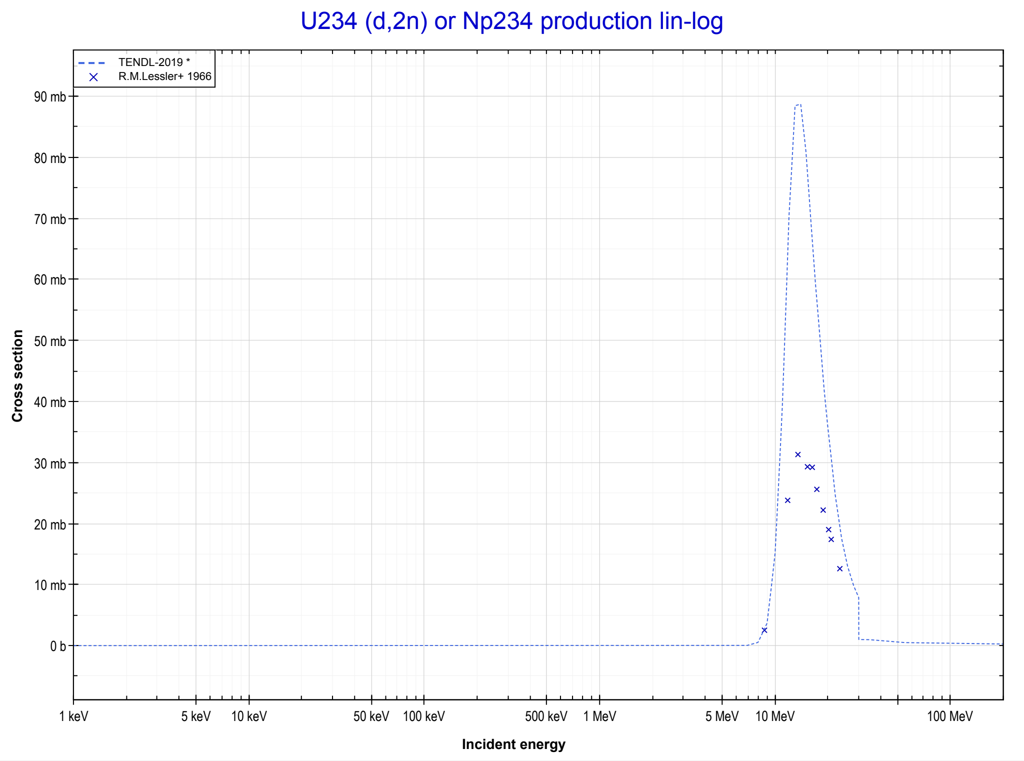


U234 (d,n) or Np235 production lin-log



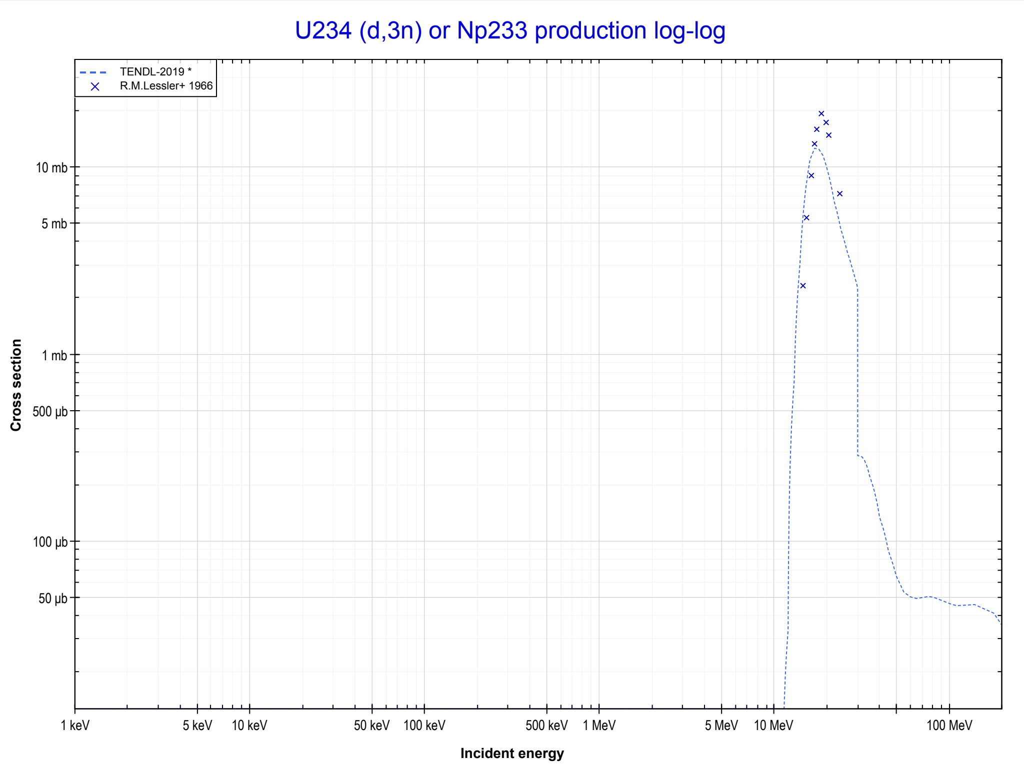
Reaction	Q-Value
U234(d,n)Np235	2166.30 keV

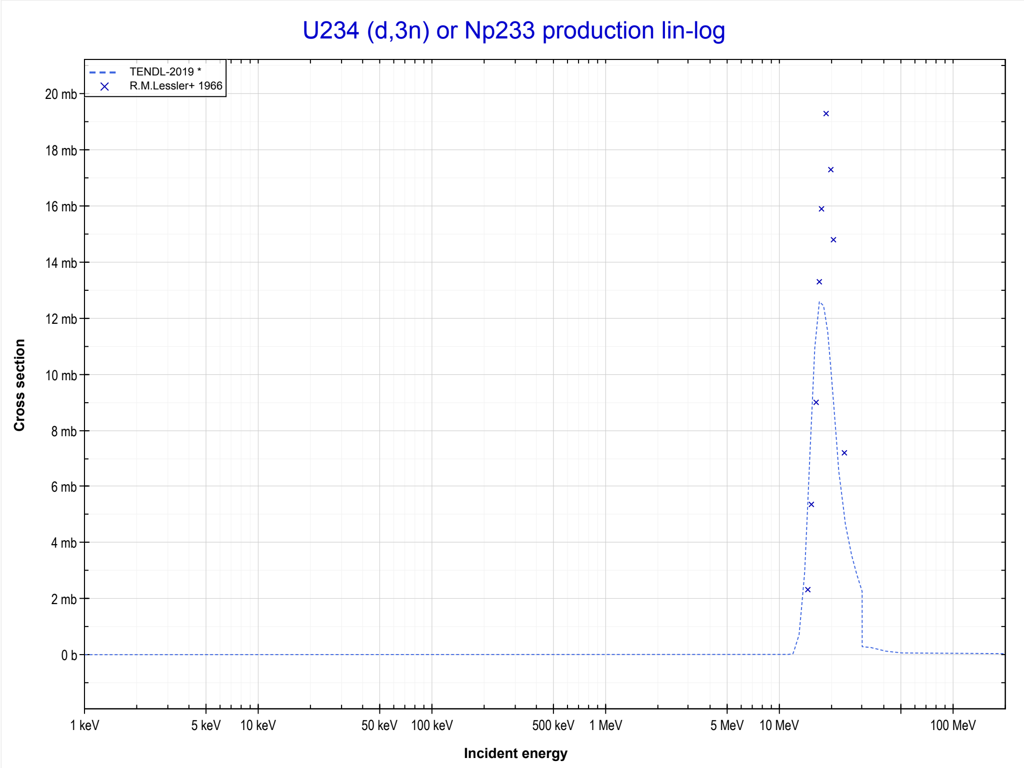




Reaction	Q-Value
U234(d,2n)Np234	-4816.91 keV

<< 92-U-233	**92-U-234**	92-U-235 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Np233 production)**	MT18 (d,fission) >>

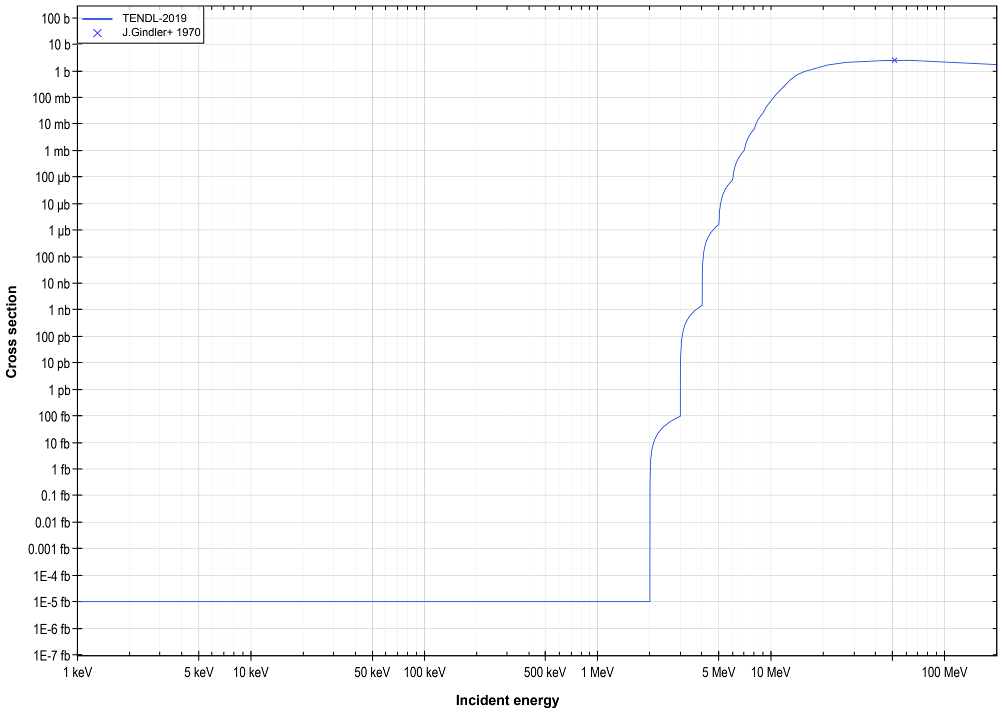




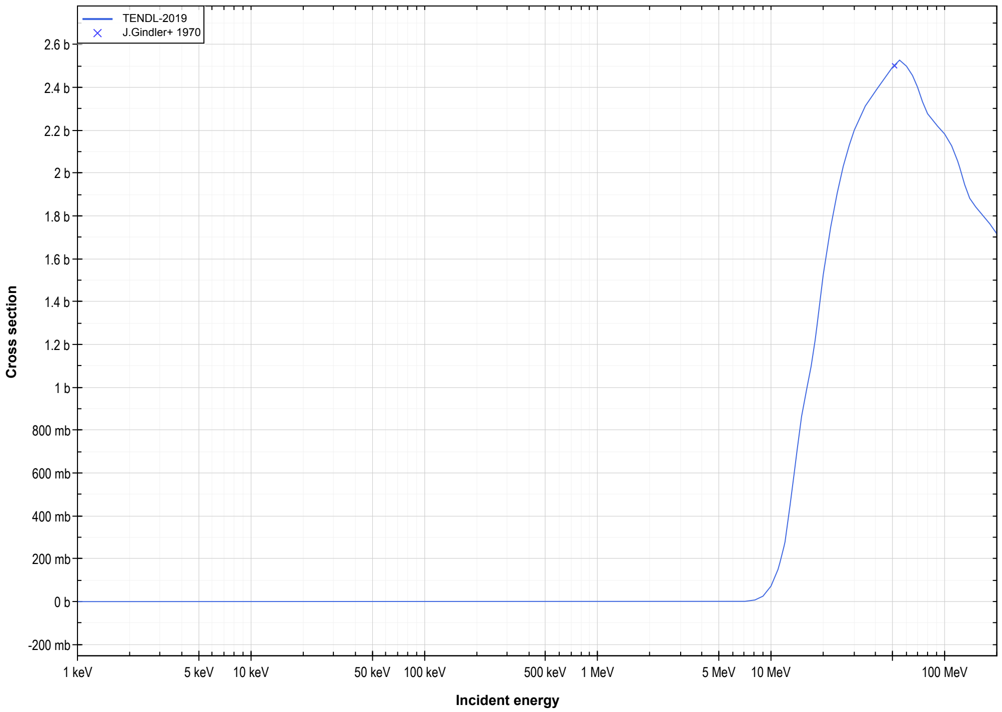
Reaction	Q-Value
U234(d,3n)Np233	-10883.23 keV

<< 92-U-233	**92-U-234**	92-U-235 >>
<< MT17 (d,3n)	**MT18 (d,fission)**	MT102 (d,γ) >>

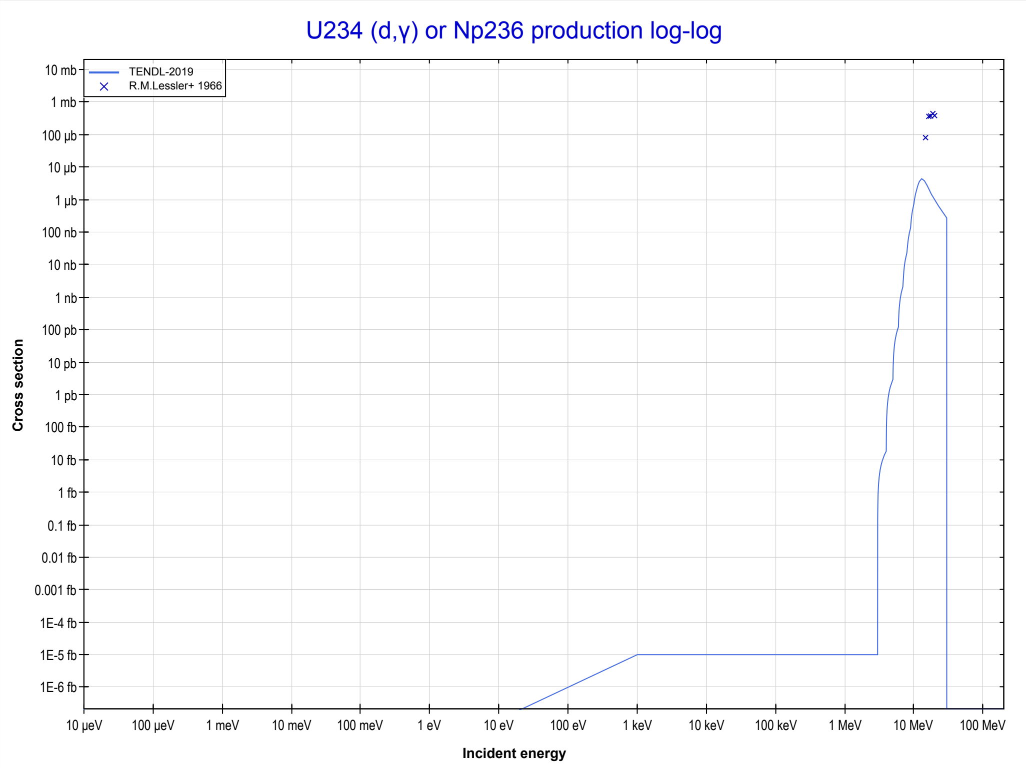
U234 (d,fission) log-log

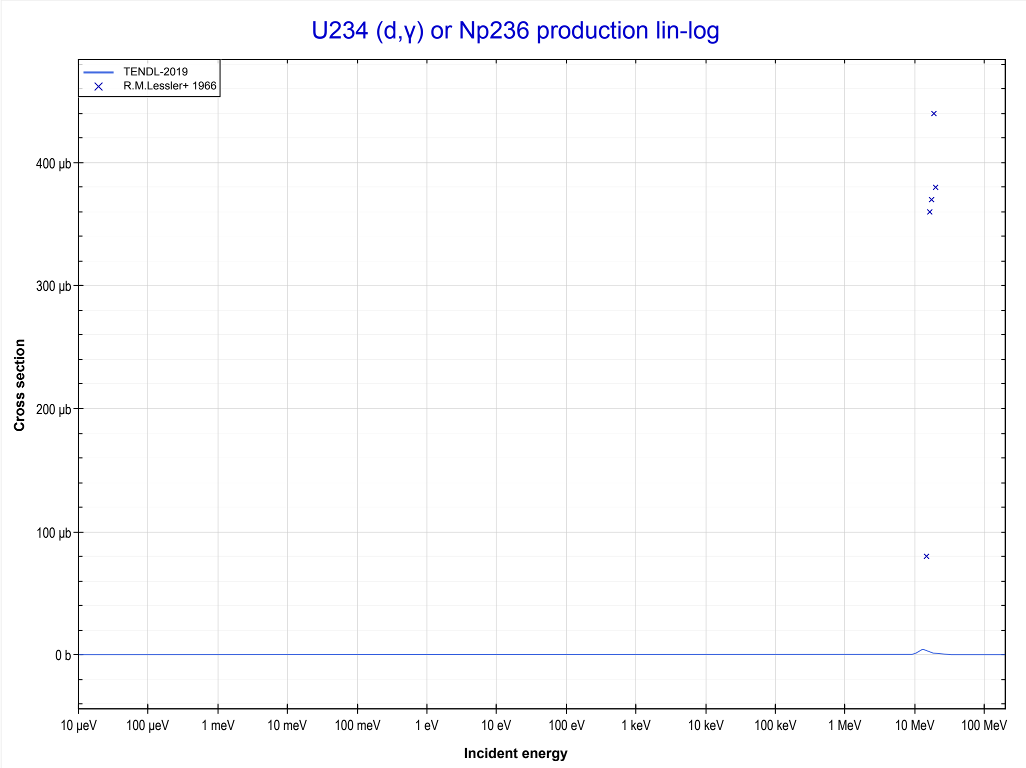


U234 (d,fission) lin-log



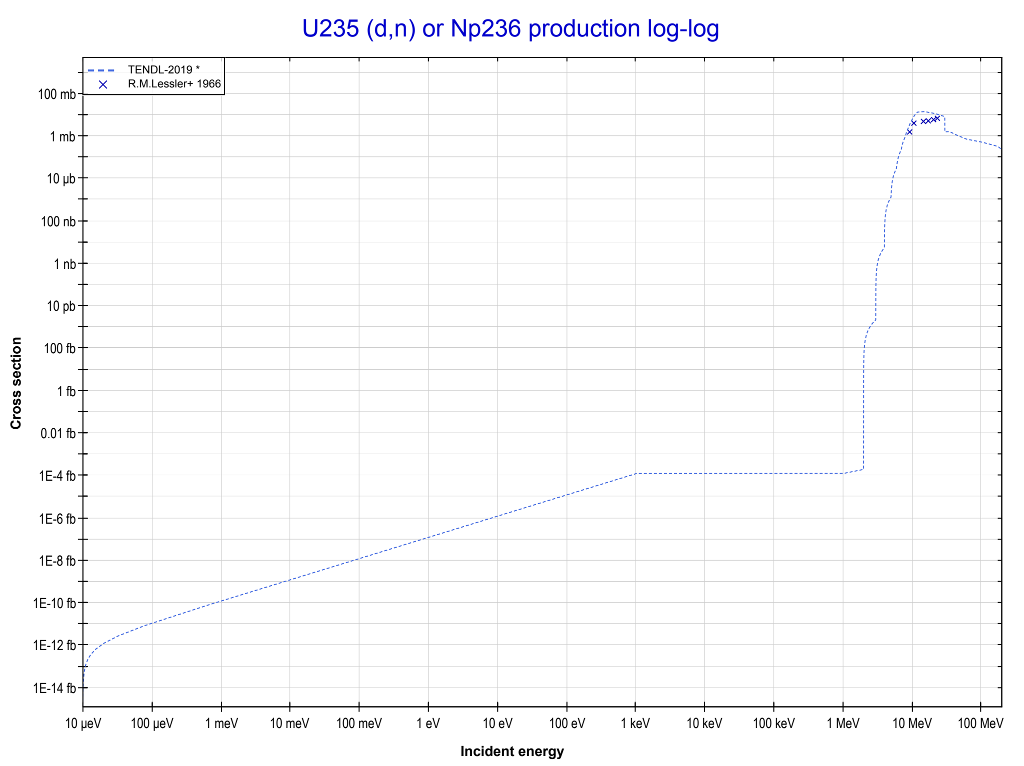
<< 83-Bi-209	**92-U-234**	92-U-236 >>
<< MT18 (d,fission)	**MT102 (d,γ) or MT5 (Np236 production)**	92-U-235 MT4 (d,n) >>

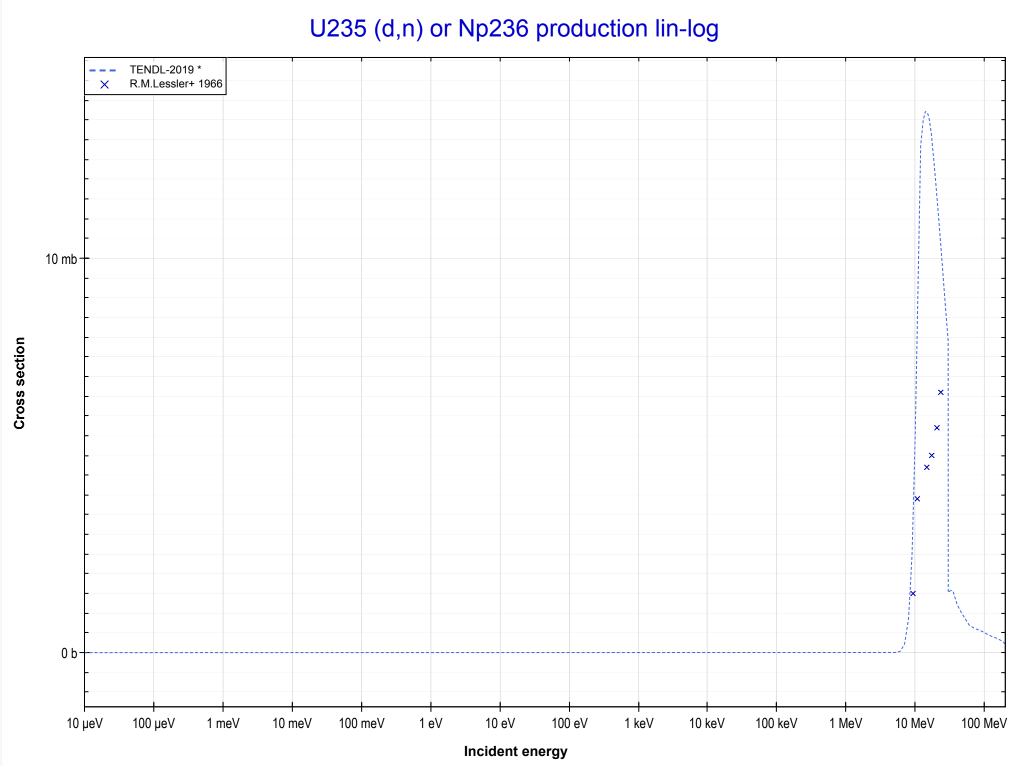




Reaction	Q-Value
U234(d,γ)Np236	7900.72 keV

<< 92-U-234	**92-U-235**	92-U-238 >>
<< 92-U-234 MT102 (d,γ)	**MT4 (d,n) or MT5 (Np236 production)**	MT16 (d,2n) >>

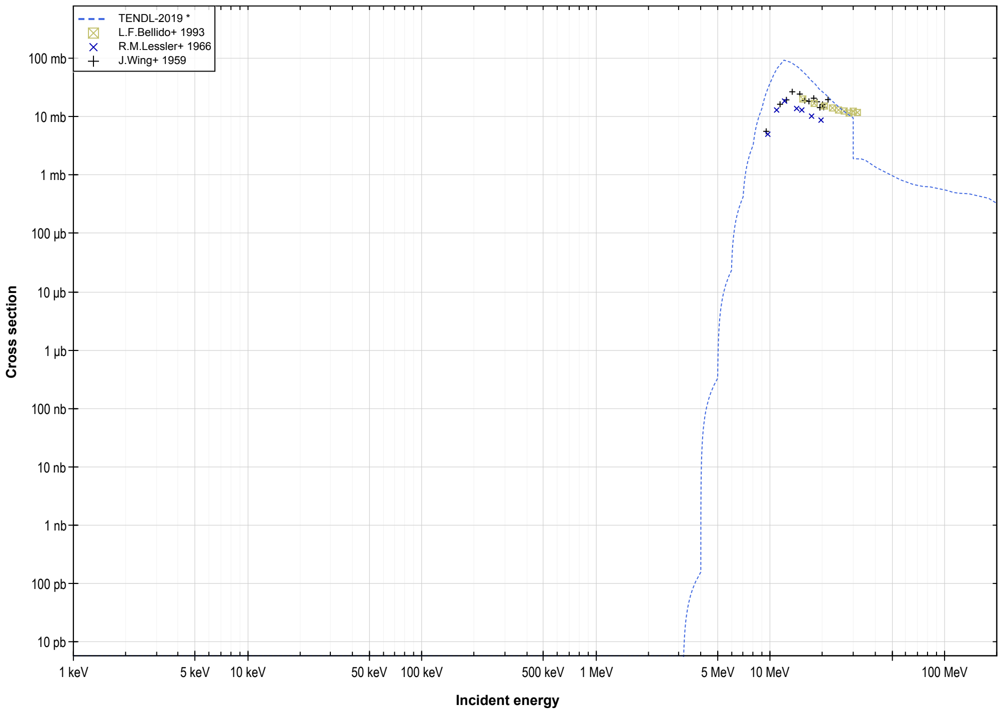




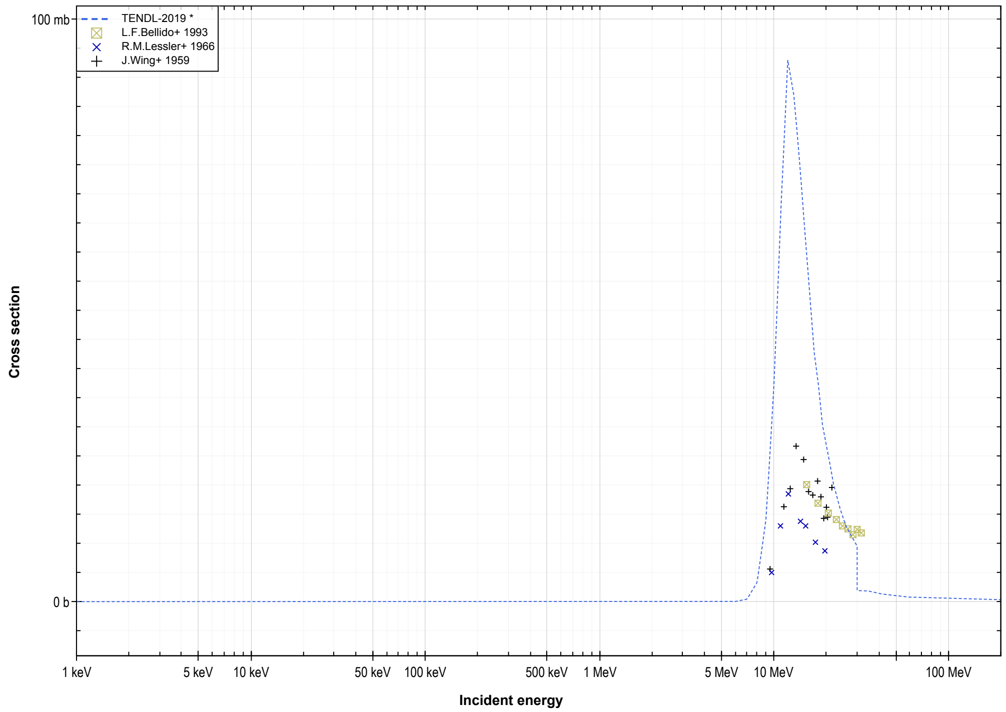
Reaction	Q-Value
U235(d,n)Np236	2603.20 keV

<< 92-U-234	**92-U-235**	92-U-236 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Np235 production)**	MT17 (d,3n) >>

U235 (d,2n) or Np235 production log-log

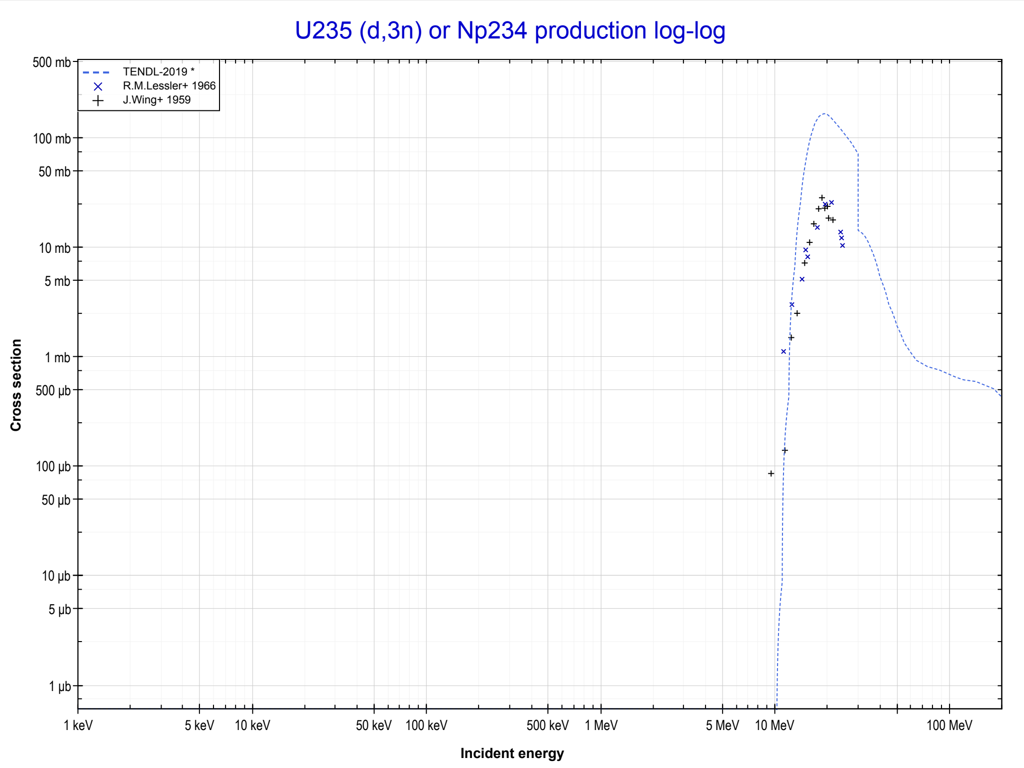


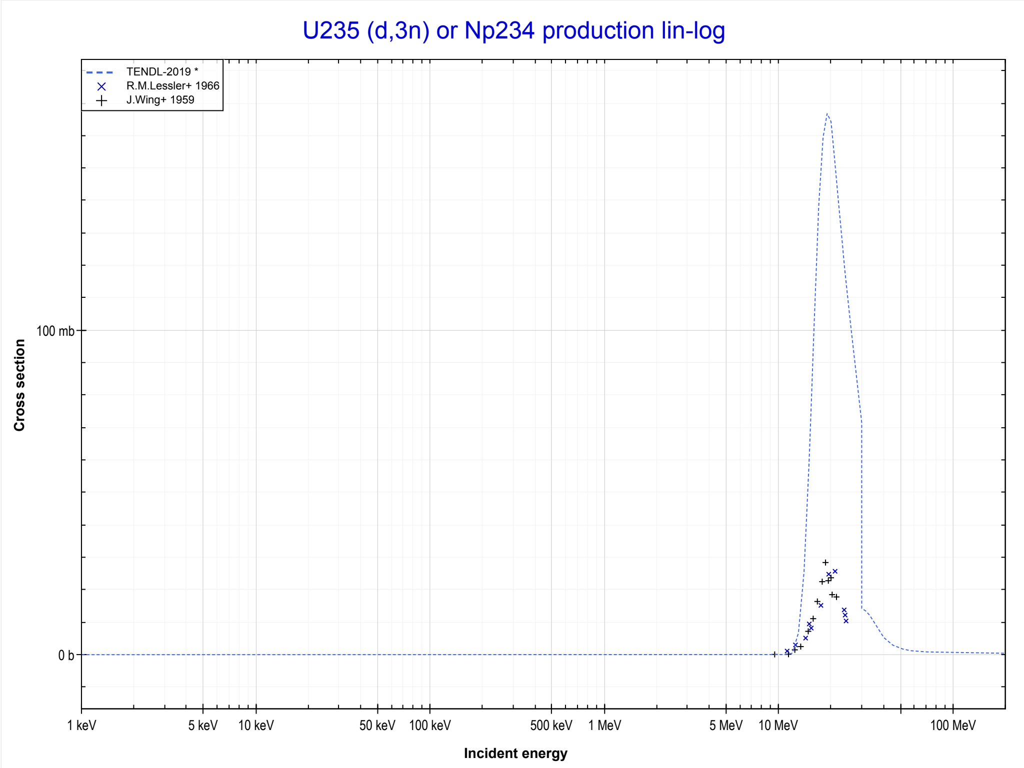
U235 (d,2n) or Np235 production lin-log



Reaction	Q-Value
U235(d,2n)Np235	-3131.21 keV

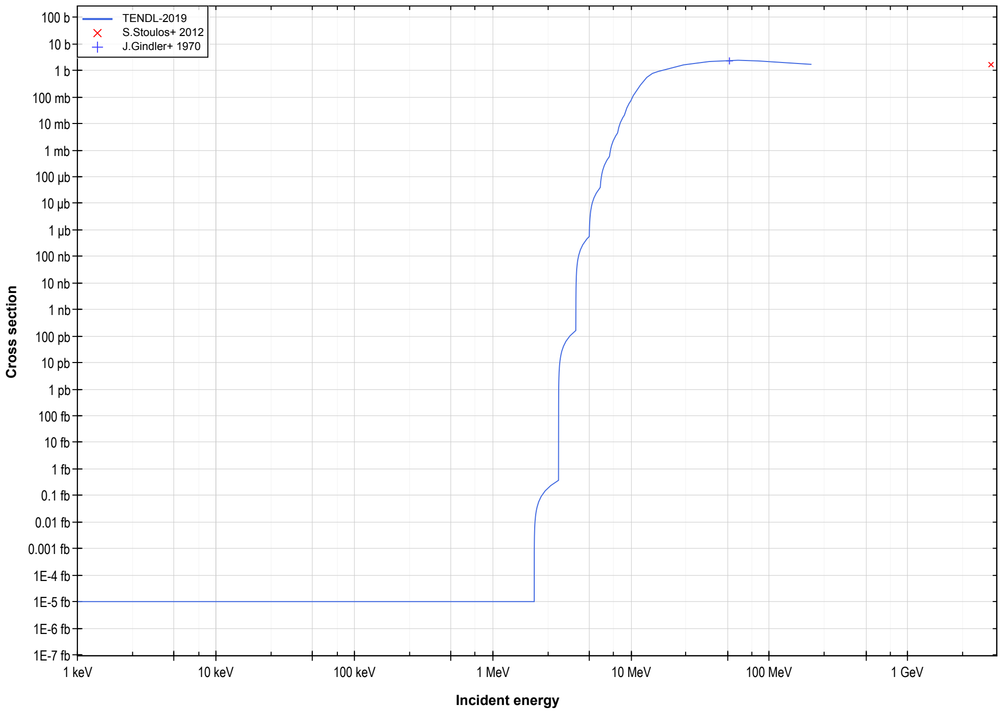
<< 92-U-234	**92-U-235**	92-U-236 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Np234 production)**	MT18 (d,fission) >>



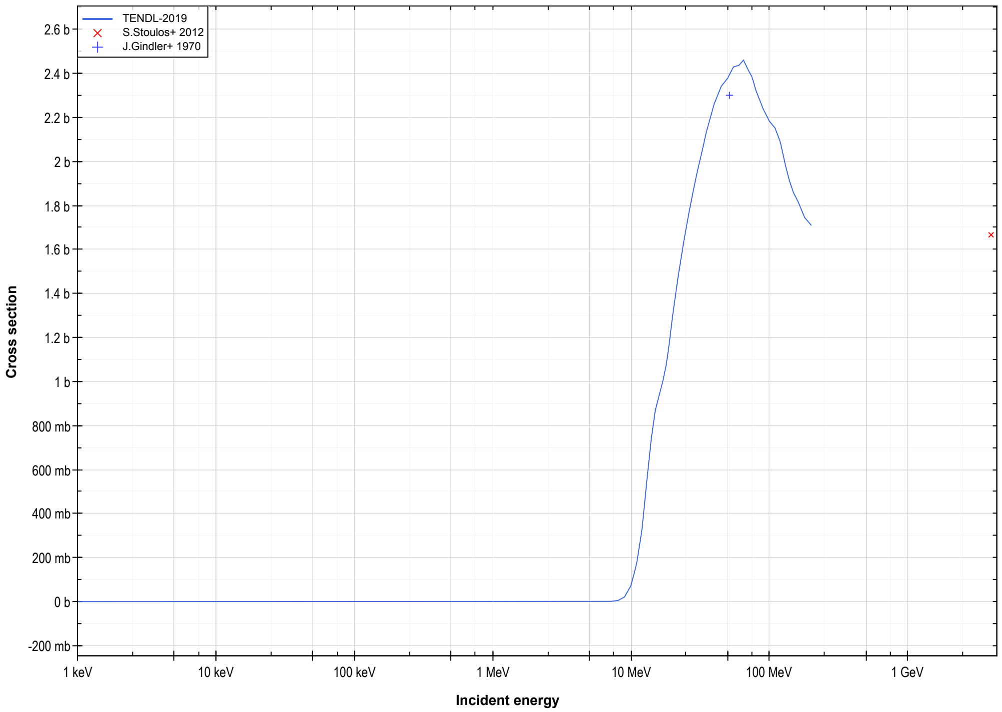


Reaction	Q-Value
U235(d,3n)Np234	-10114.43 keV

U235 (d,fission) log-log

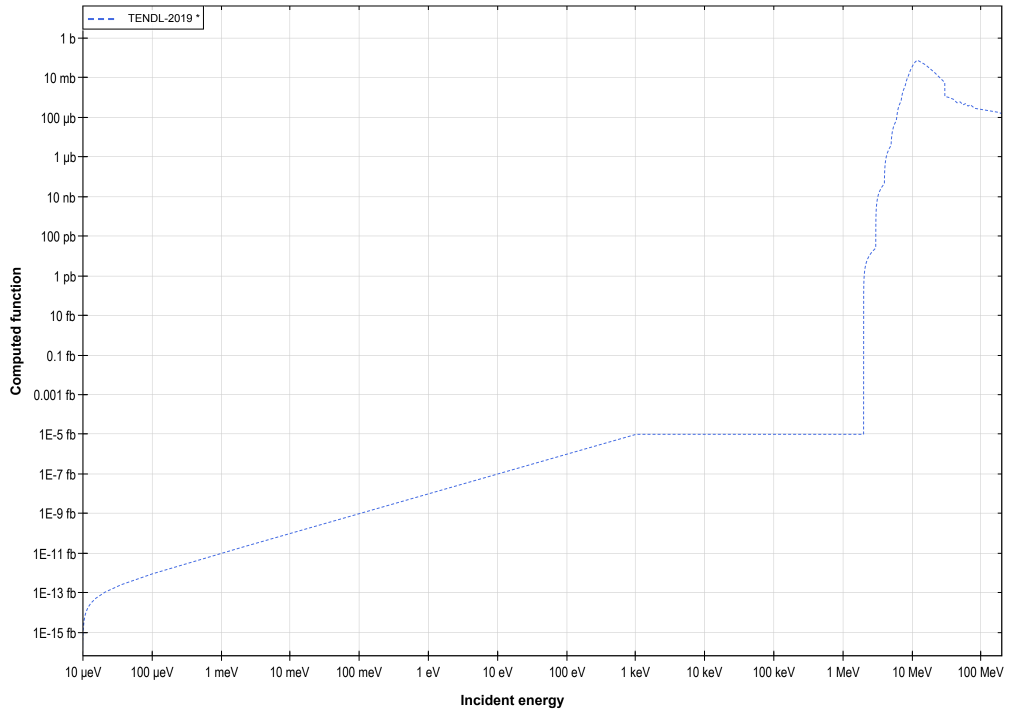


U235 (d,fission) lin-log

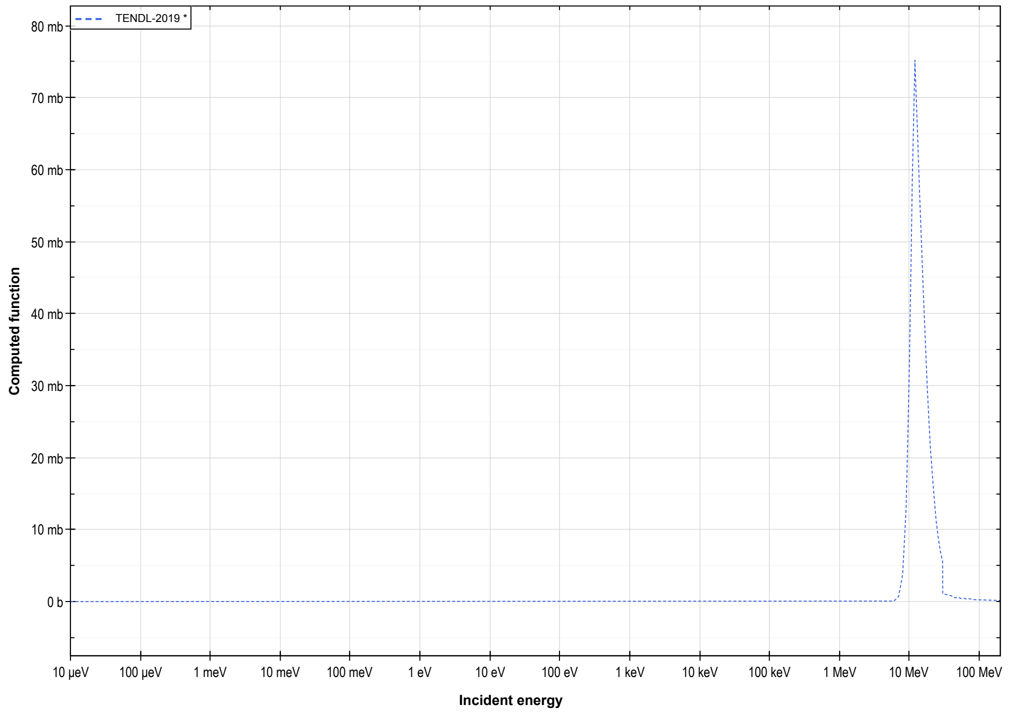


<< 83-Bi-209	**92-U-235**	92-U-238 >>
<< MT18 (d,fission)	**MT103 (d,p) or MT5 (U236 production)**	92-U-236 MT16 (d,2n) >>

U235 (d,p) or U236 production log-log

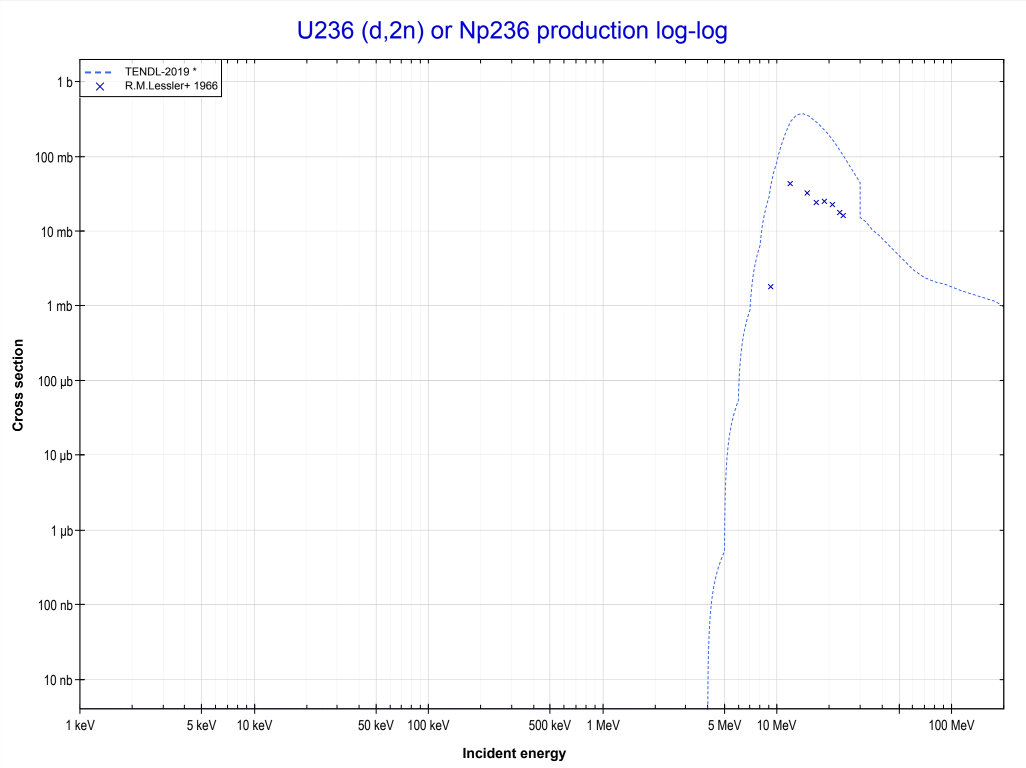


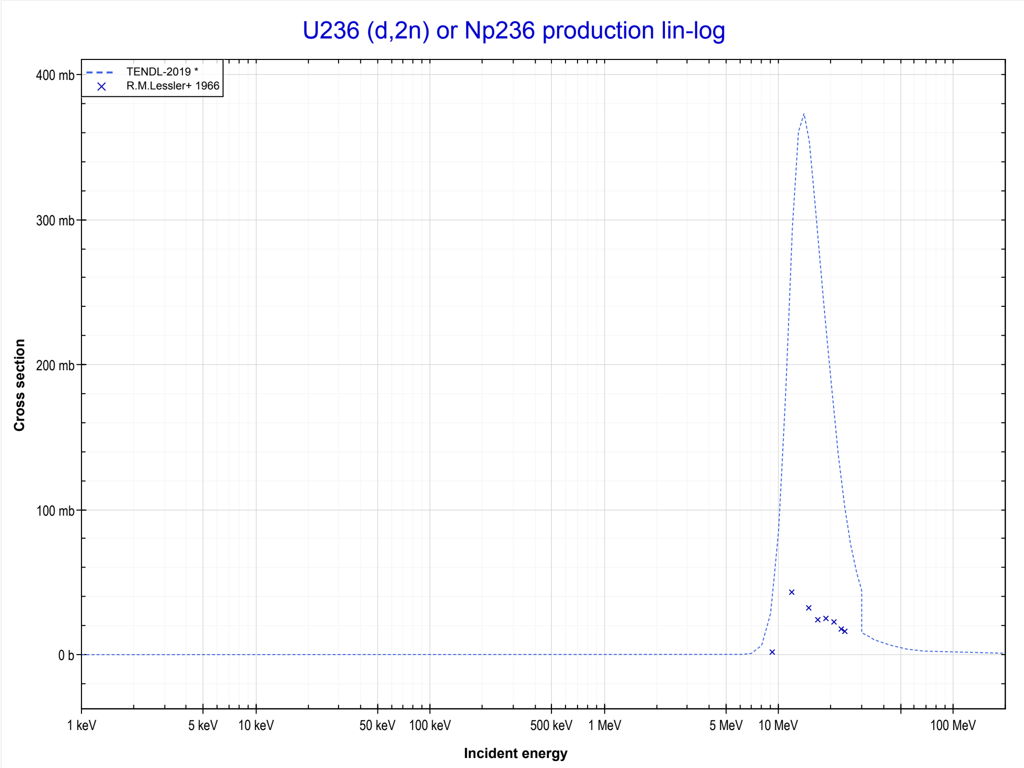
U235 (d,p) or U236 production lin-log



Reaction	Q-Value
U235(d,p)U236	4320.95 keV

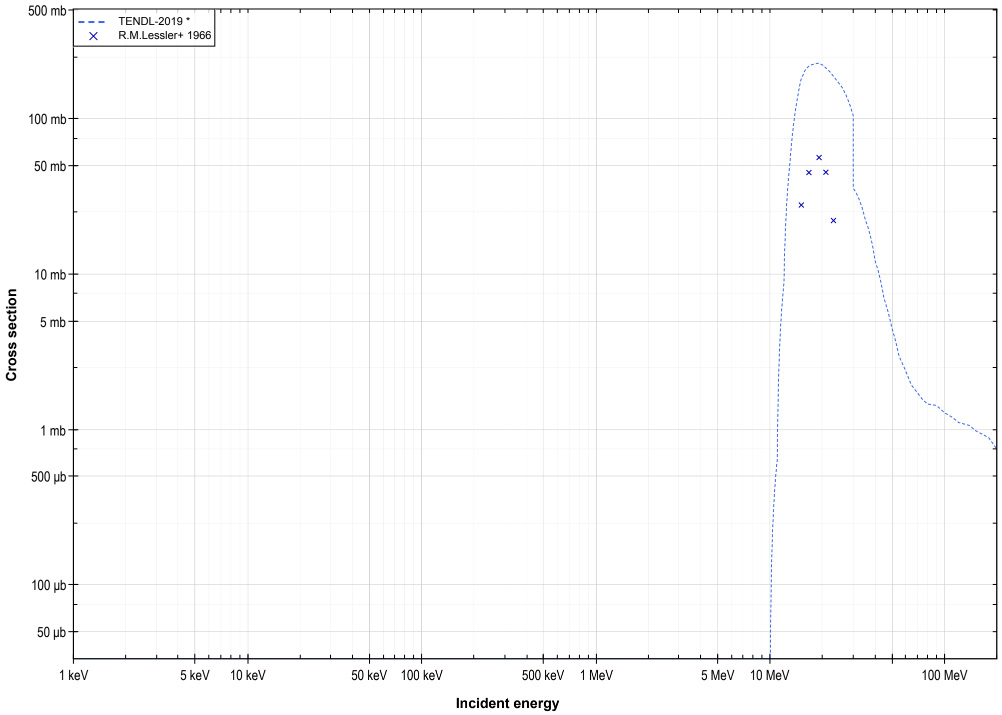
<< 92-U-235	**92-U-236**	92-U-238 >>
<< 92-U-235 MT103 (d,p)	**MT16 (d,2n) or MT5 (Np236 production)**	MT17 (d,3n) >>



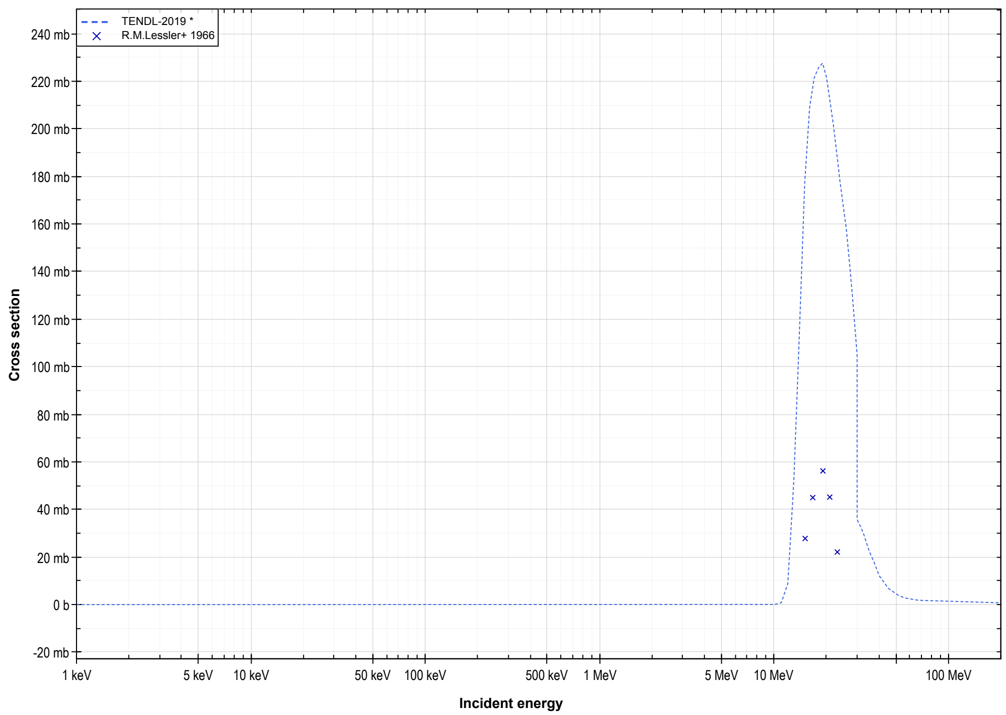


Reaction	Q-Value
U236(d,2n)Np236	-3942.31 keV

U236 (d,3n) or Np235 production log-log

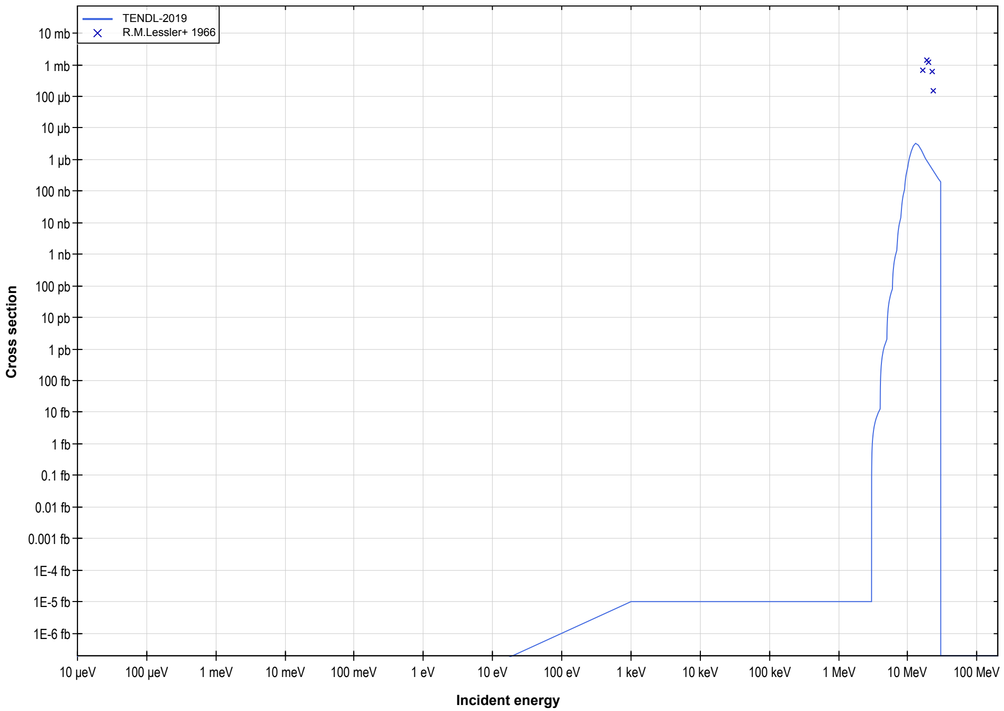


U236 (d,3n) or Np235 production lin-log

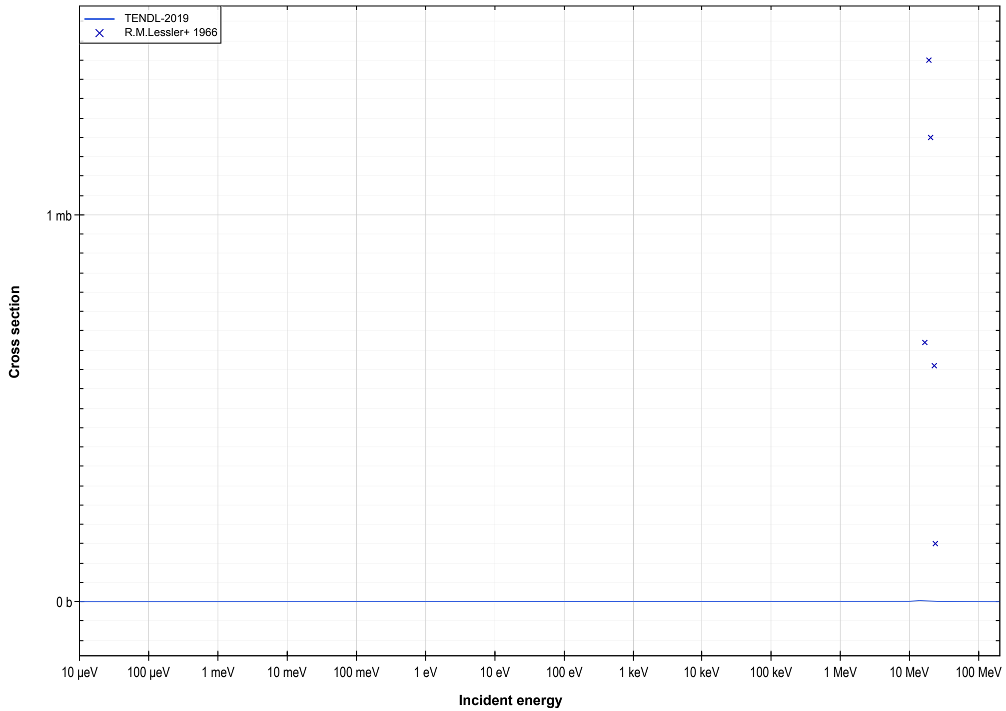


Reaction	Q-Value
U236(d,3n)Np235	-9676.73 keV

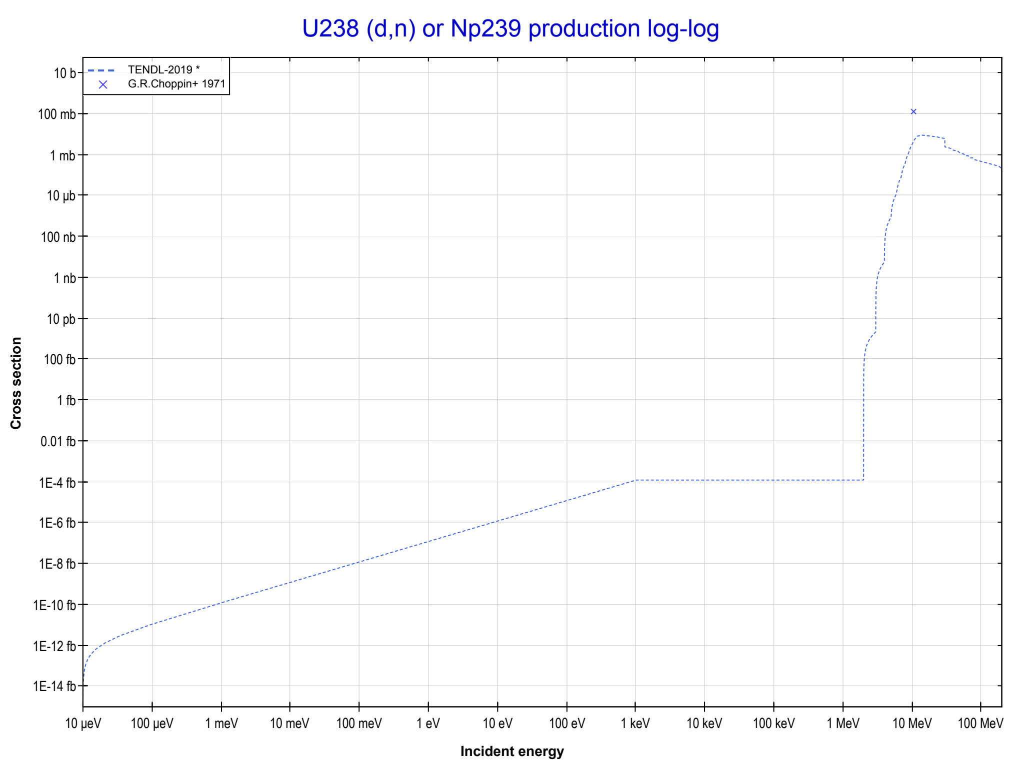
U236 (d,γ) or Np238 production log-log

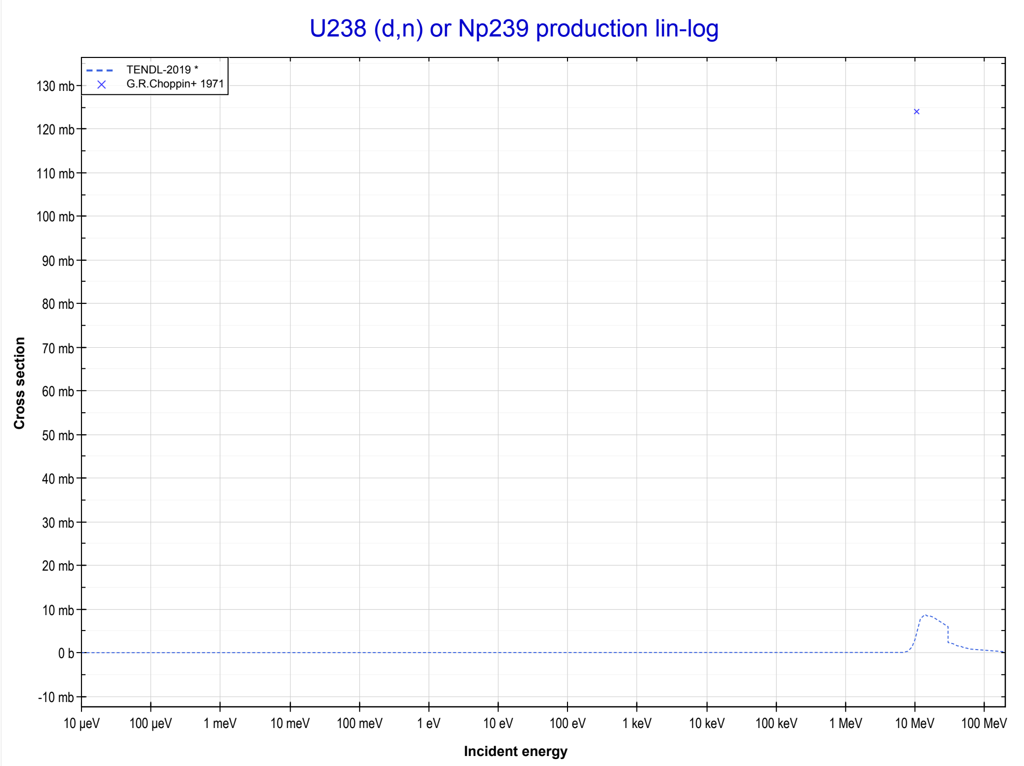


U236 (d,γ) or Np238 production lin-log

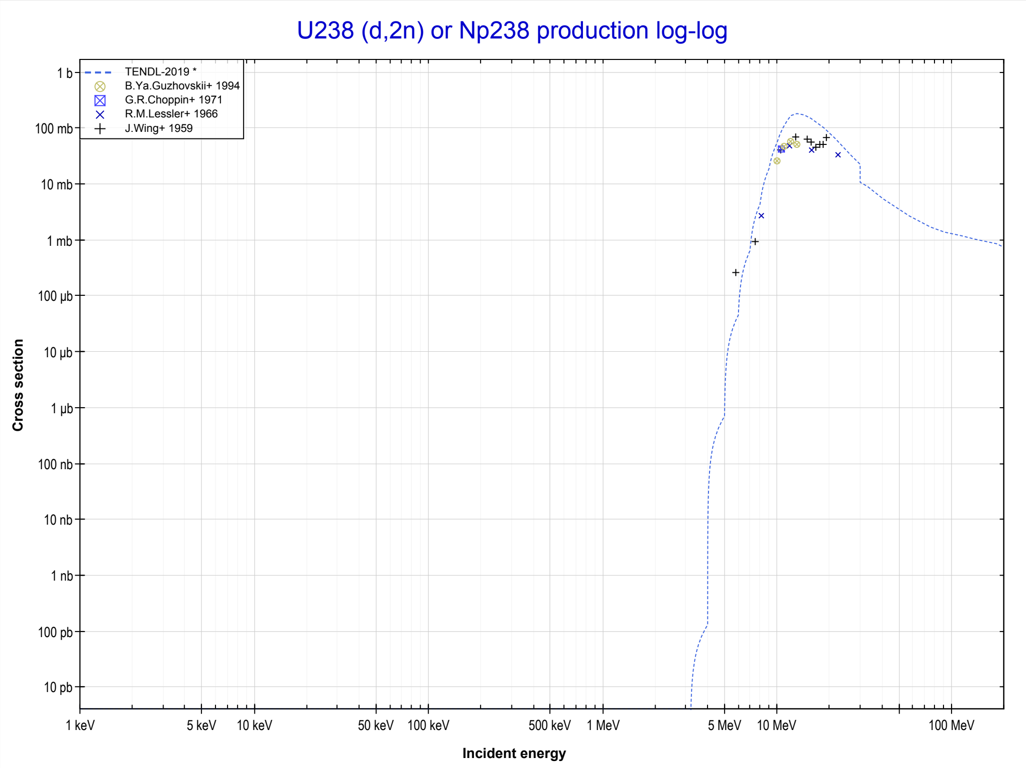


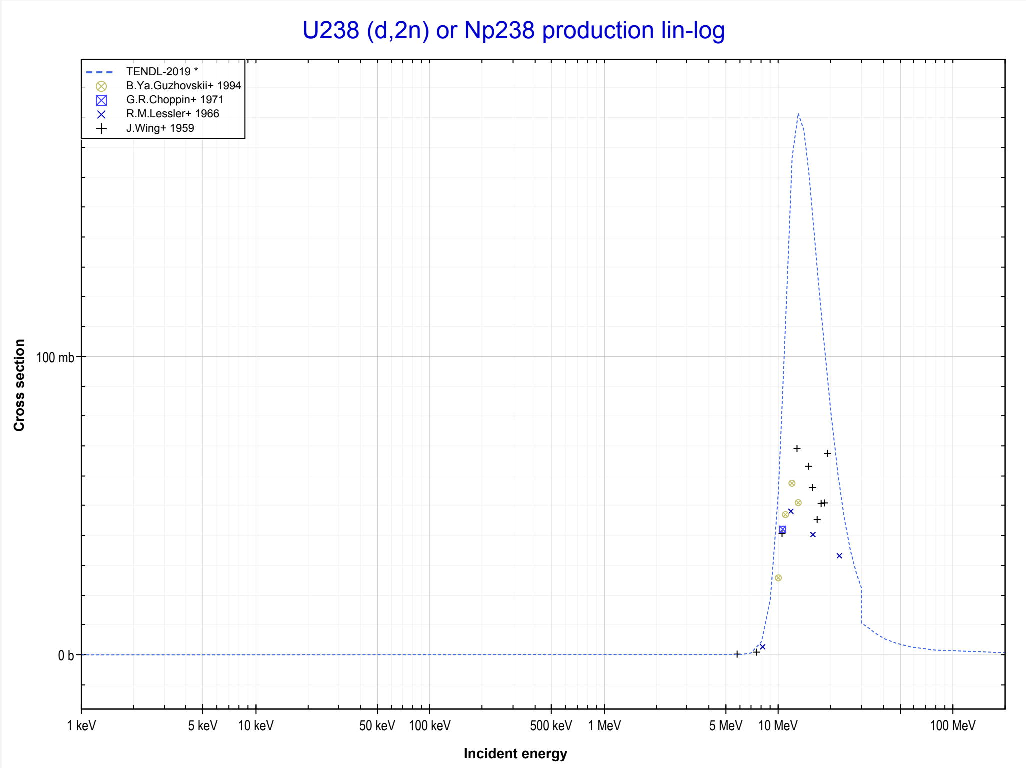
Reaction	Q-Value
U236(d,γ)Np238	8125.62 keV





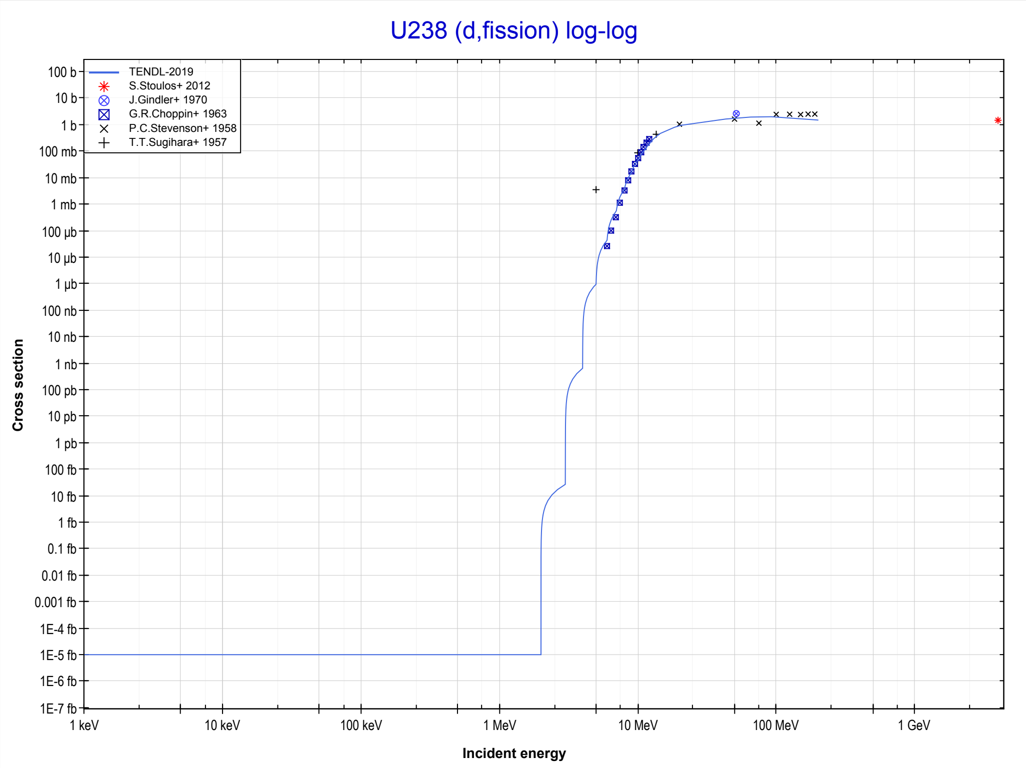
Reaction	Q-Value
U238(d,n)Np239	3061.10 keV

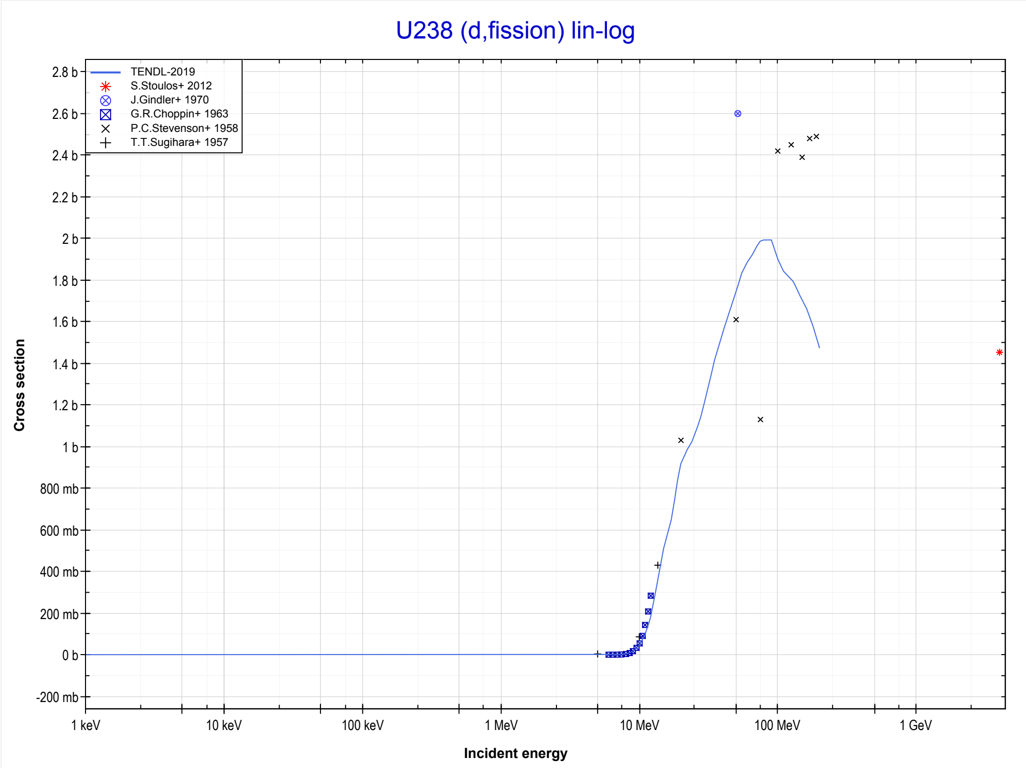




Reaction	Q-Value
U238(d,2n)Np238	-3153.81 keV

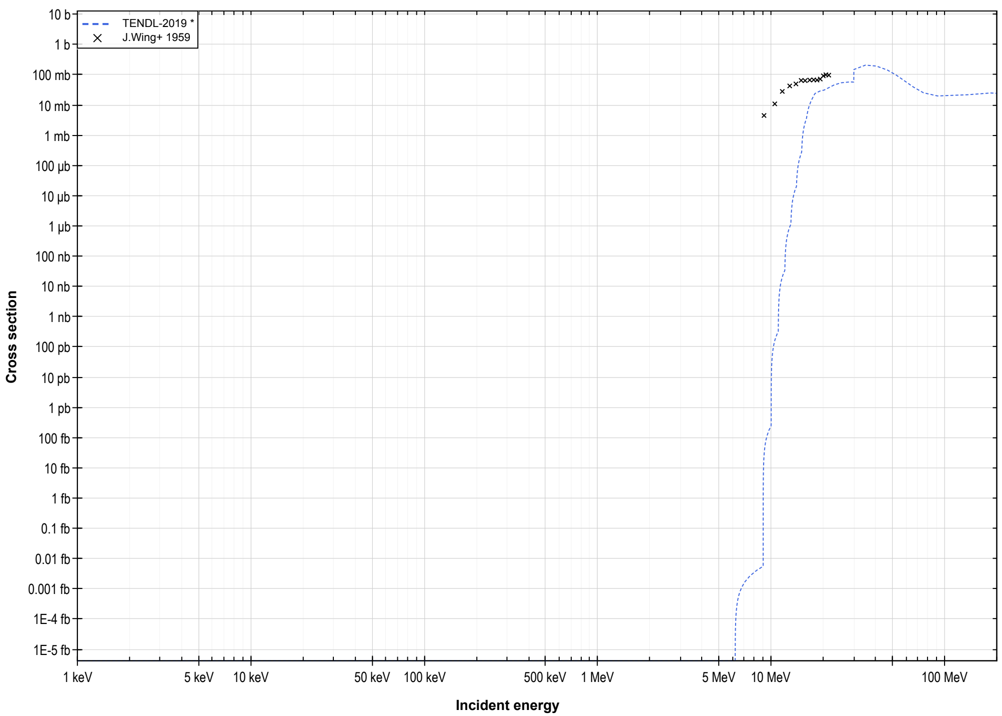
<< 92-U-235	**92-U-238**	94-Pu-240 >>
<< MT16 (d,2n)	**MT18 (d,fission)**	MT32 (d,n+d) >>



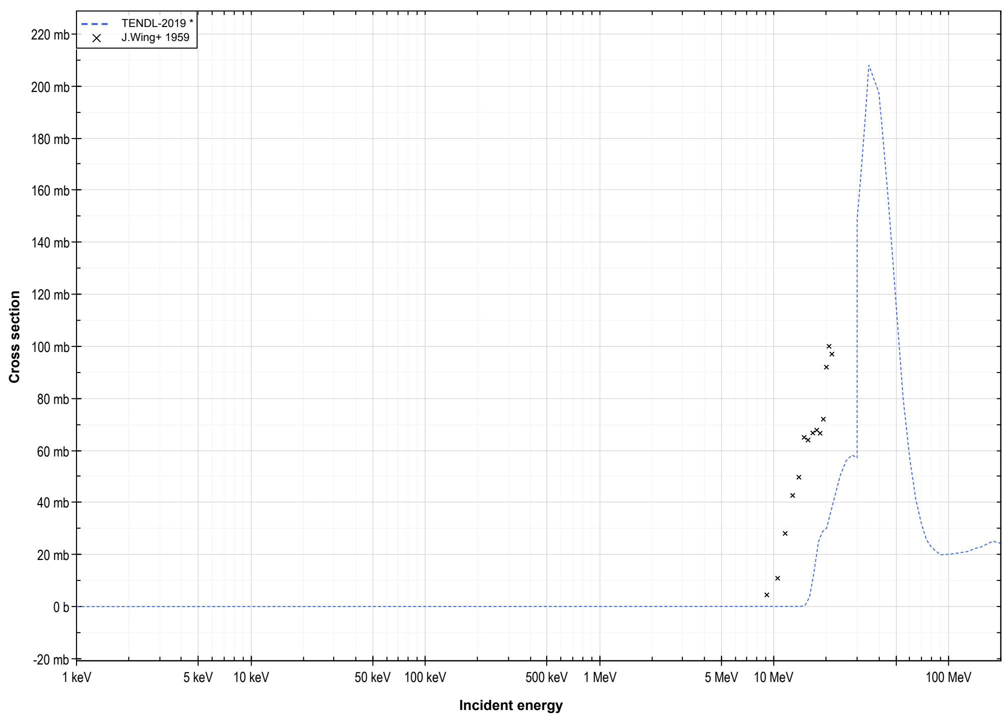


<< 79-Au-197	**92-U-238**	
<< MT18 (d,fission)	**MT32 (d,n+d) or MT5 (U237 production)**	MT37 (d,4n) >>

U238 (d,n+d) or U237 production log-log

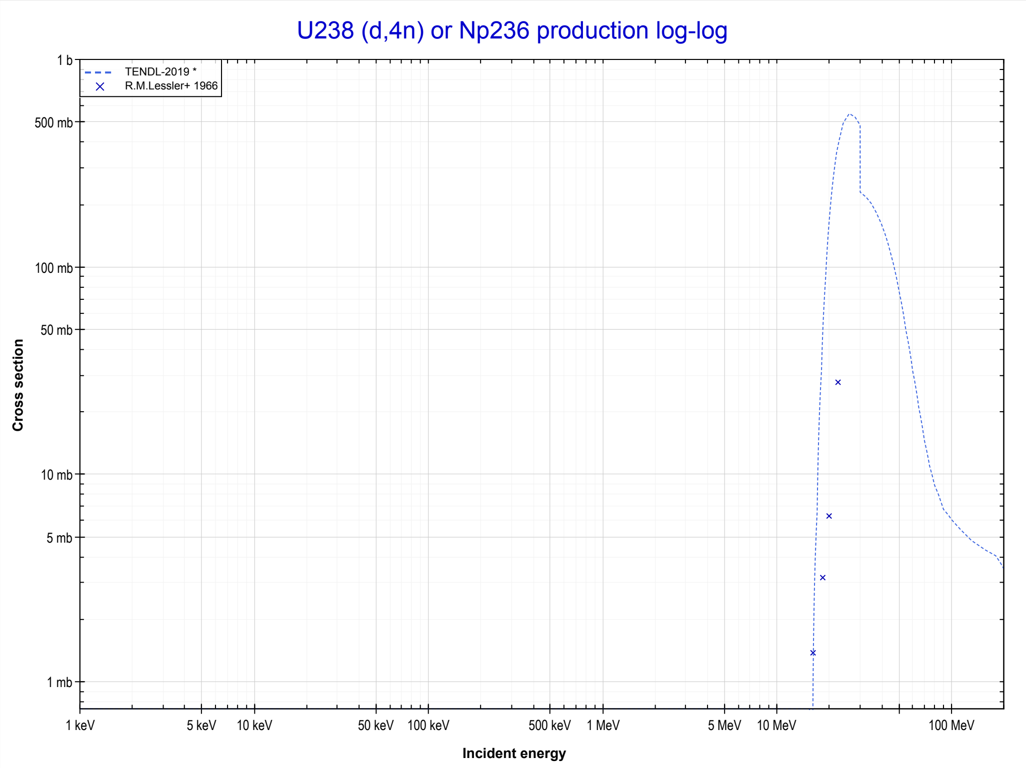


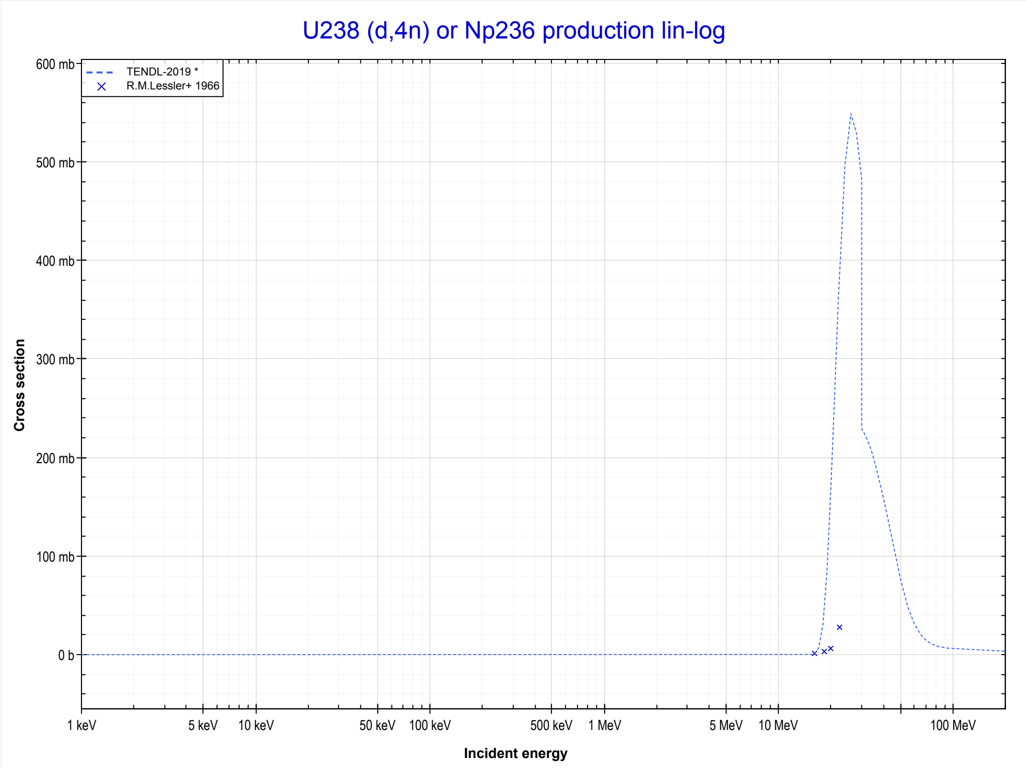
U238 (d,n+d) or U237 production lin-log



Reaction	Q-Value
U238(d,t)U237	103.51 keV
U238(d,n+d)U237	-6153.72 keV
U238(d,2n+p)U237	-8378.28 keV

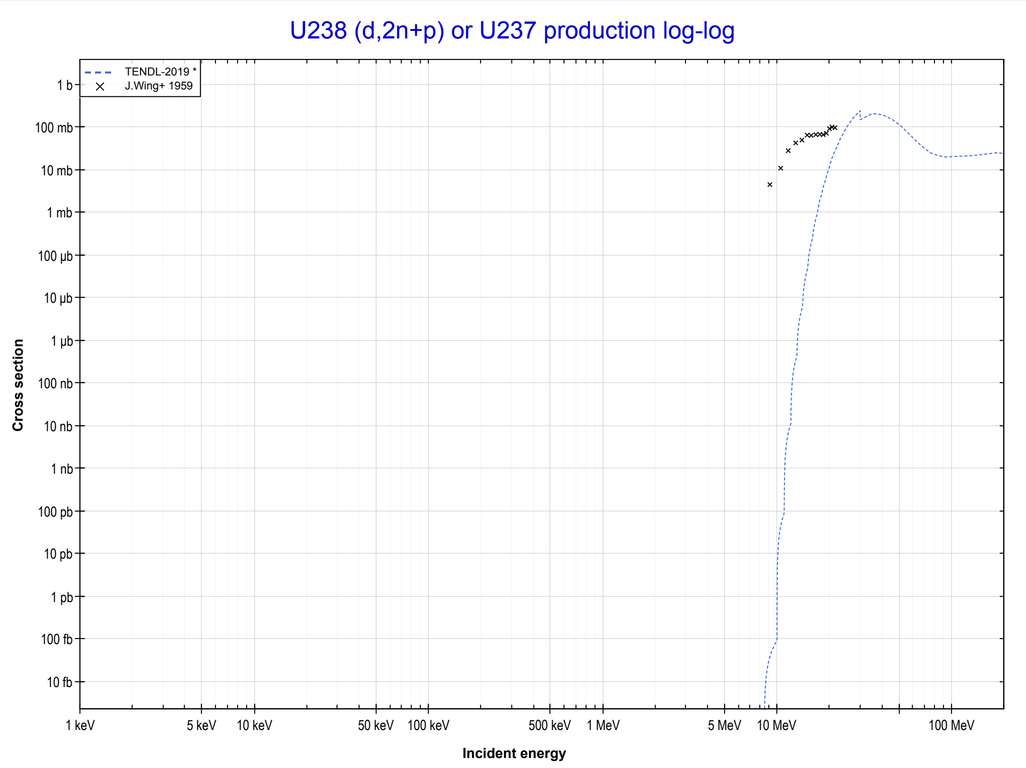
<< 90-Th-232	**92-U-238**	
<< MT32 (d,n+d)	**MT37 (d,4n) or MT5 (Np236 production)**	MT41 (d,2n+p) >>

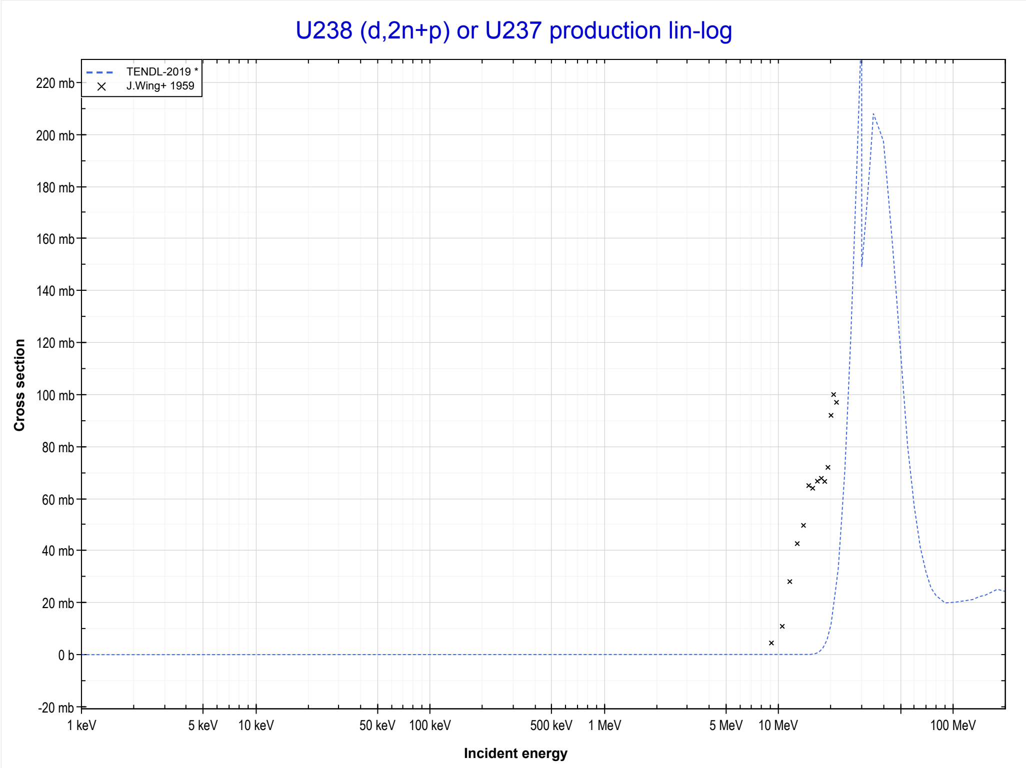




Reaction	Q-Value
U238(d,4n)Np236	-15221.75 keV

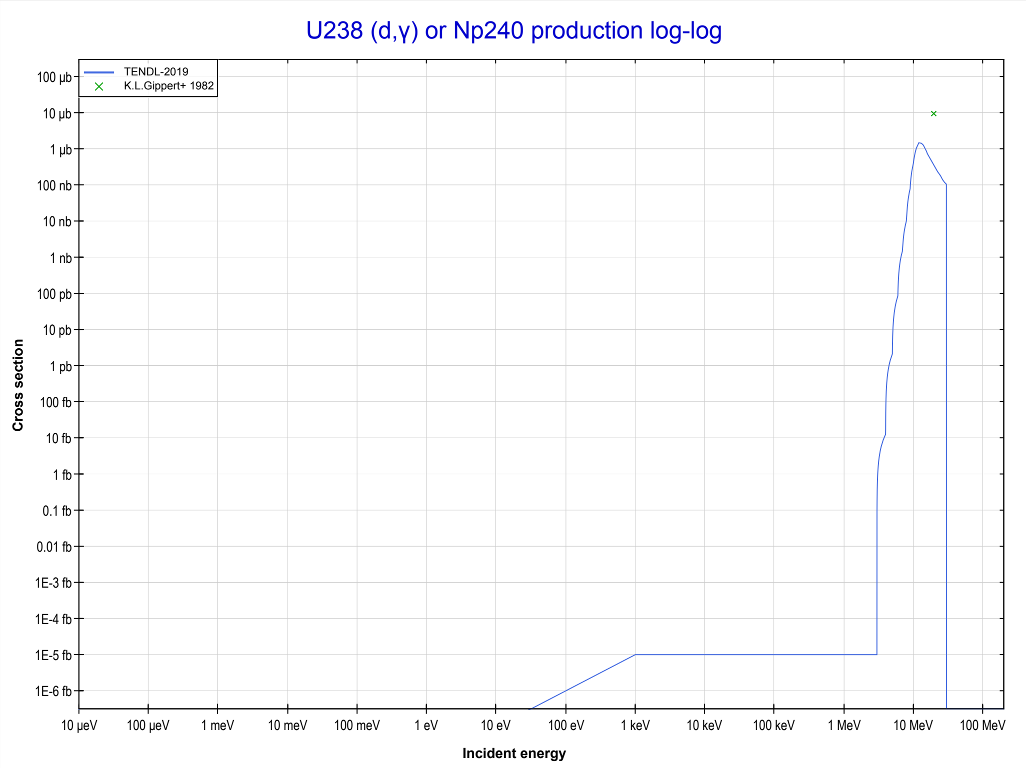
<< 79-Au-197	**92-U-238**	
<< MT37 (d,4n)	**MT41 (d,2n+p) or MT5 (U237 production)**	MT102 (d,γ) >>

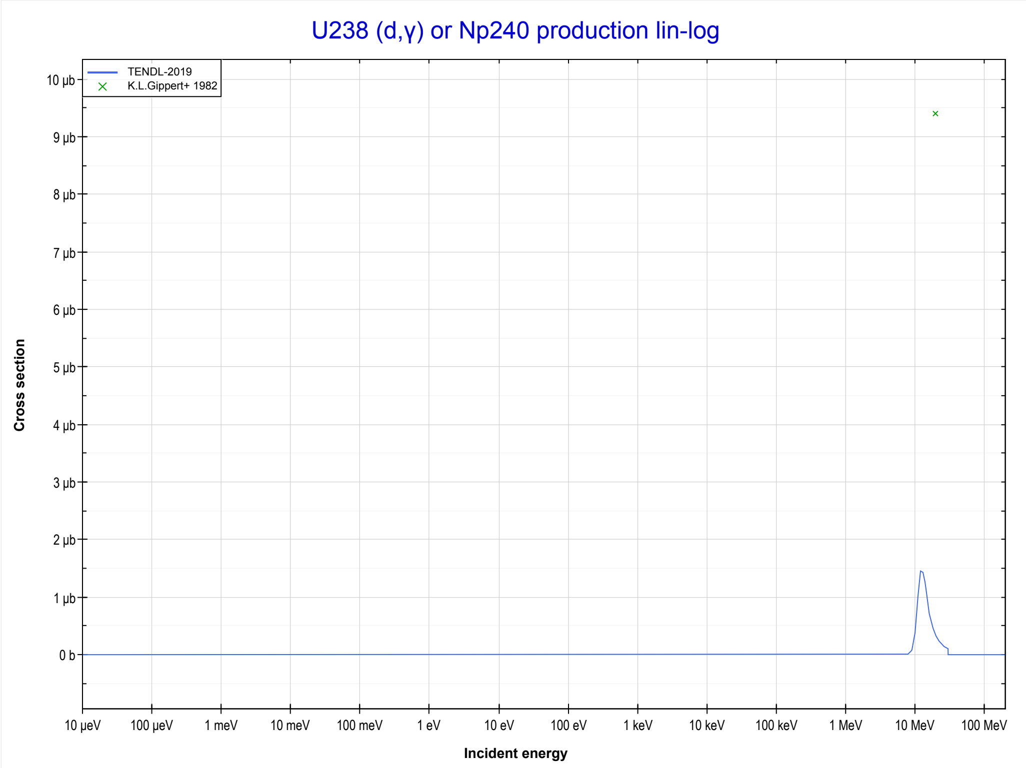




Reaction	Q-Value
U238(d,t)U237	103.51 keV
U238(d,n+d)U237	-6153.72 keV
U238(d,2n+p)U237	-8378.28 keV

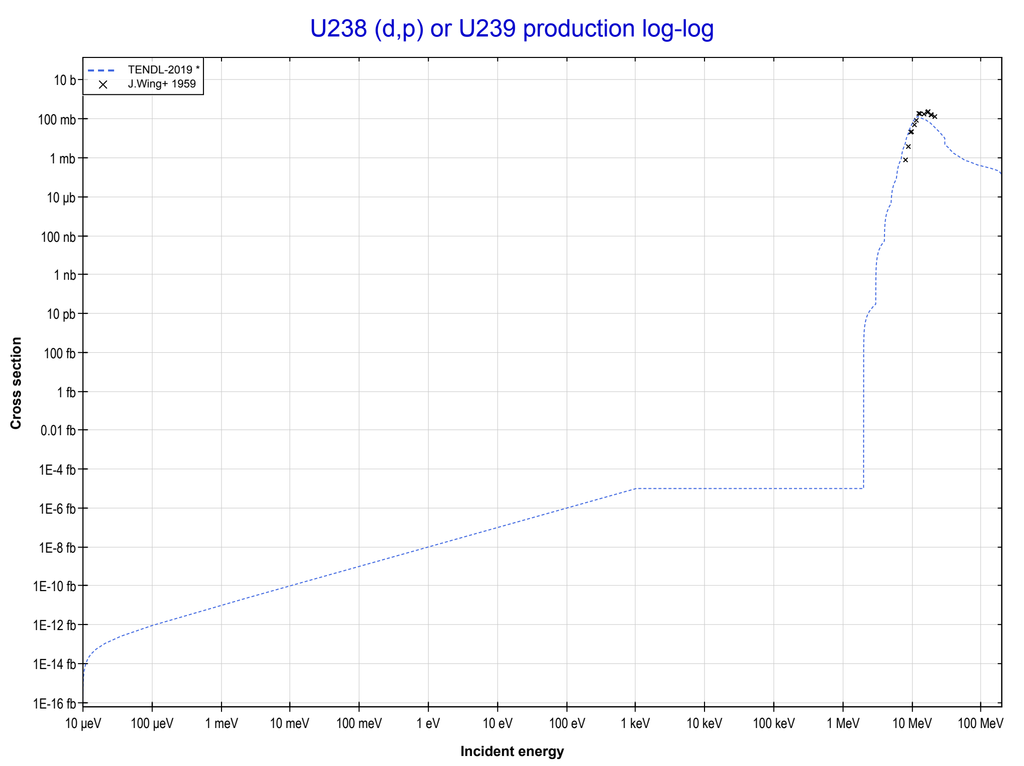
<< 92-U-236	**92-U-238**	
<< MT41 (d,2n+p)	**MT102 (d,γ) or MT5 (Np240 production)**	MT103 (d,p) >>

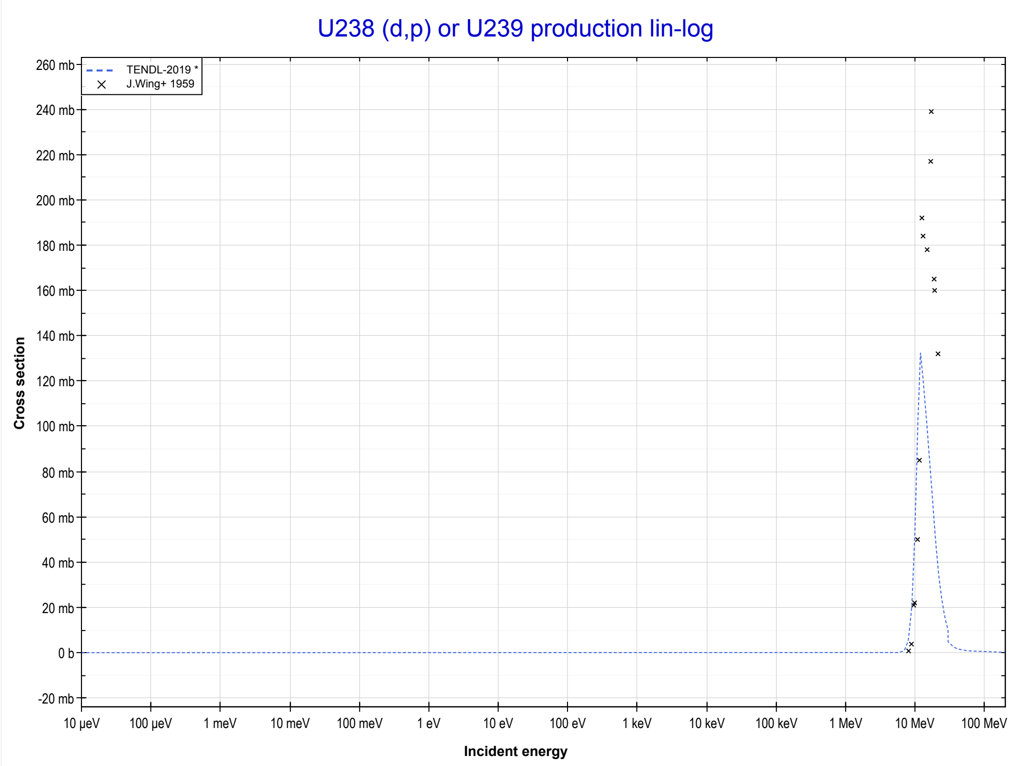




Reaction	Q-Value
U238(d,γ)Np240	8127.52 keV

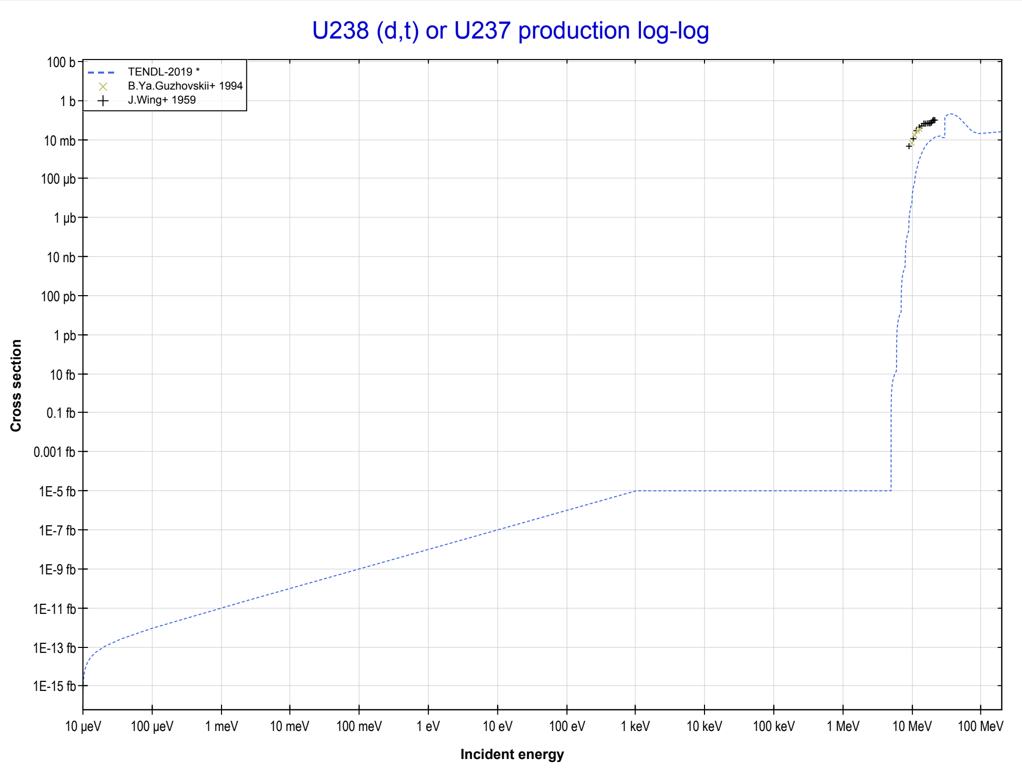
<< 92-U-235	**92-U-238**	93-Np-237 >>
<< MT102 (d,γ)	**MT103 (d,p) or MT5 (U239 production)**	MT105 (d,t) >>

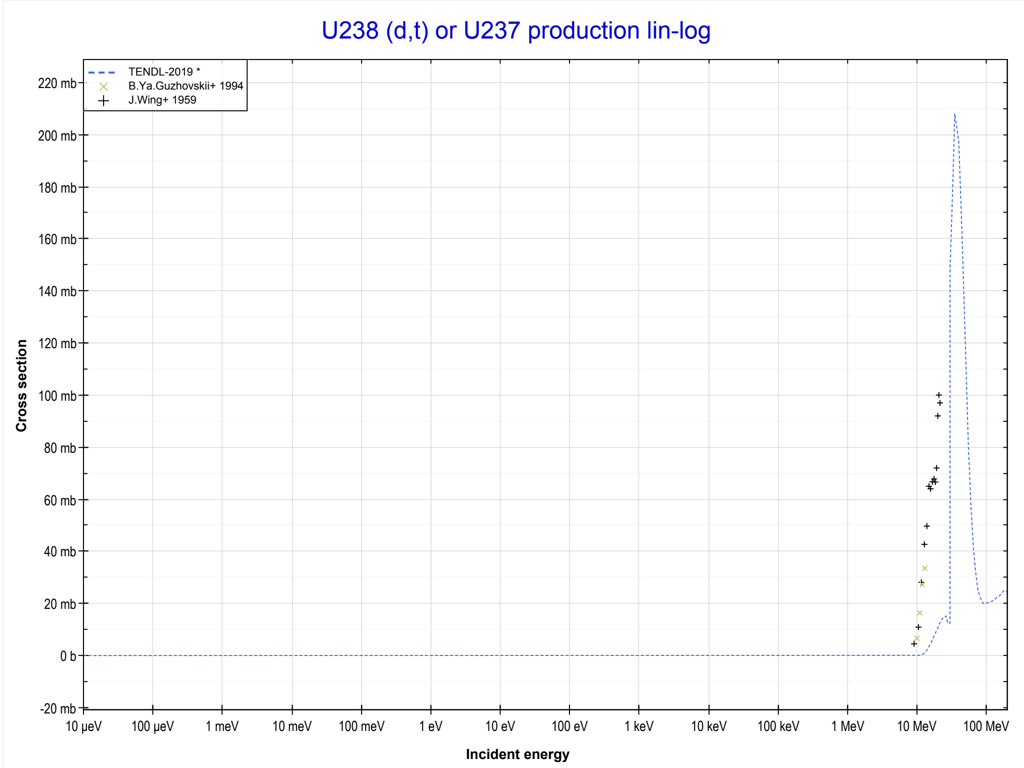




Reaction	Q-Value
U238(d,p)U239	2581.85 keV

<< 79-Au-197	**92-U-238**	
<< MT103 (d,p)	**MT105 (d,t) or MT5 (U237 production)**	MT152 (d,5n) >>

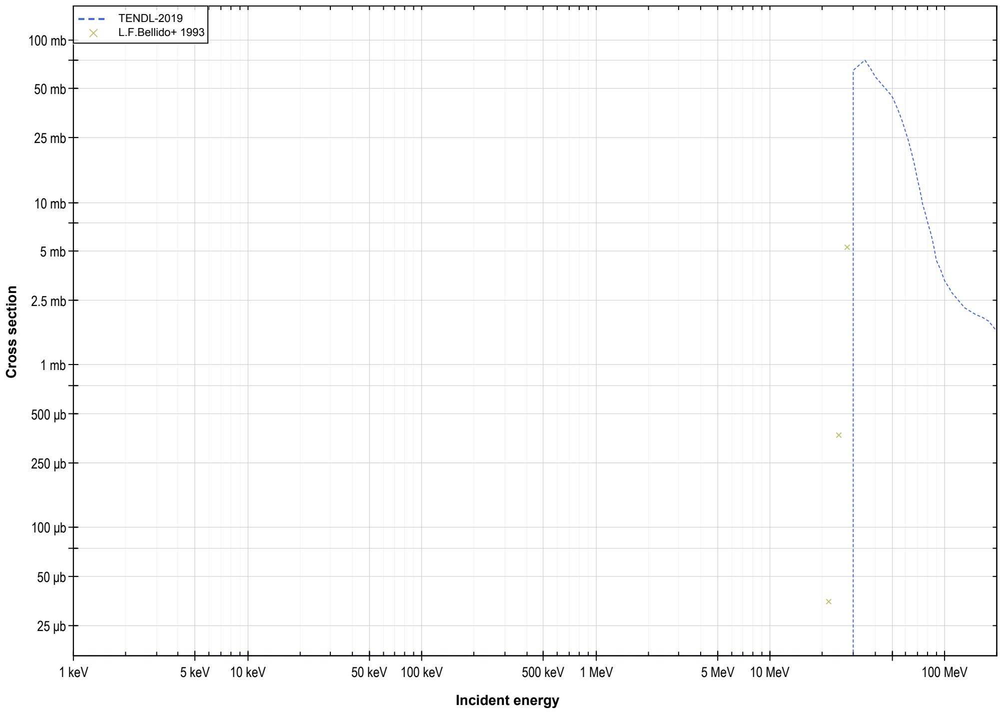




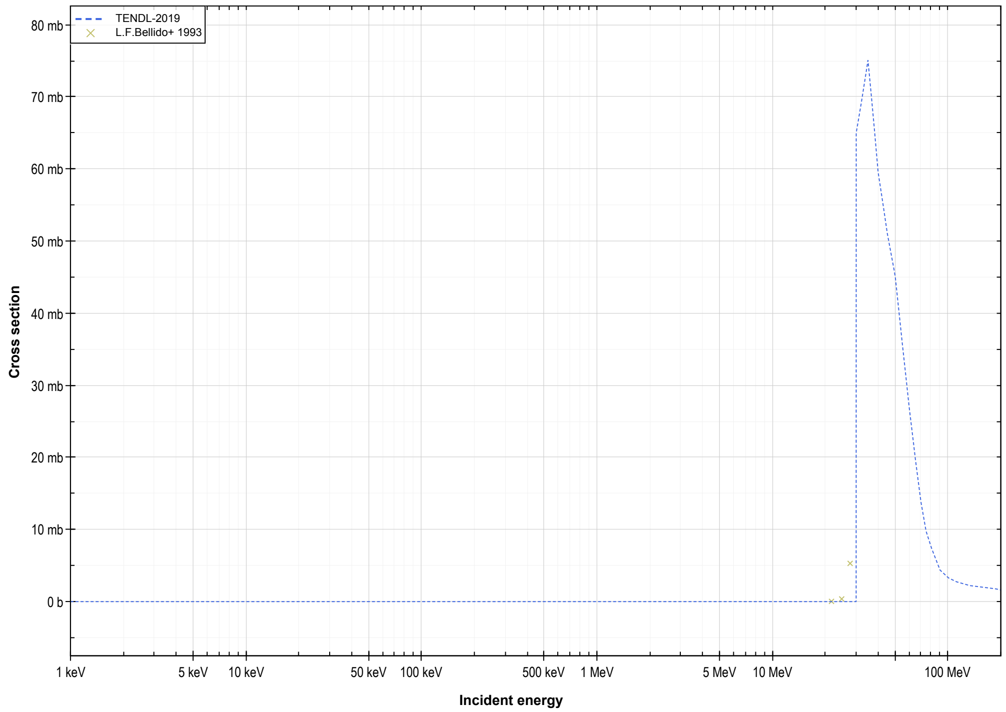
Reaction	Q-Value
U238(d,t)U237	103.51 keV
U238(d,n+d)U237	-6153.72 keV
U238(d,2n+p)U237	-8378.28 keV

<< 83-Bi-209	**92-U-238**	
<< MT105 (d,t)	**MT152 (d,5n) or MT5 (Np235 production)**	93-Np-237 MT16 (d,2n) >>

U238 (d,5n) or Np235 production log-log

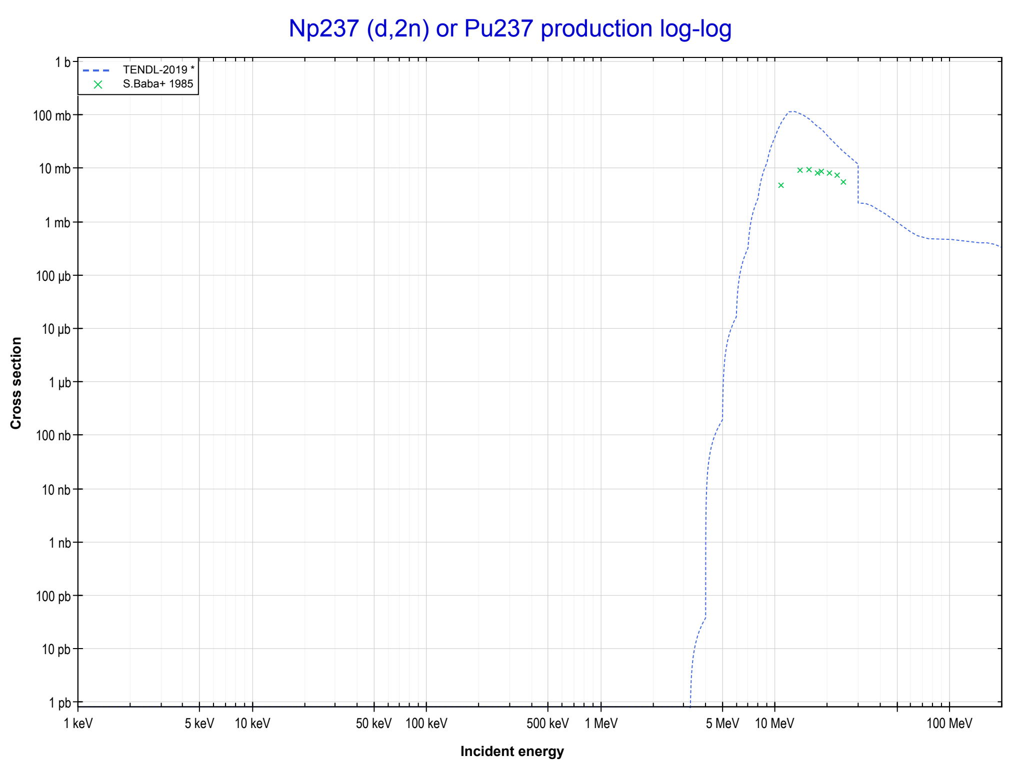


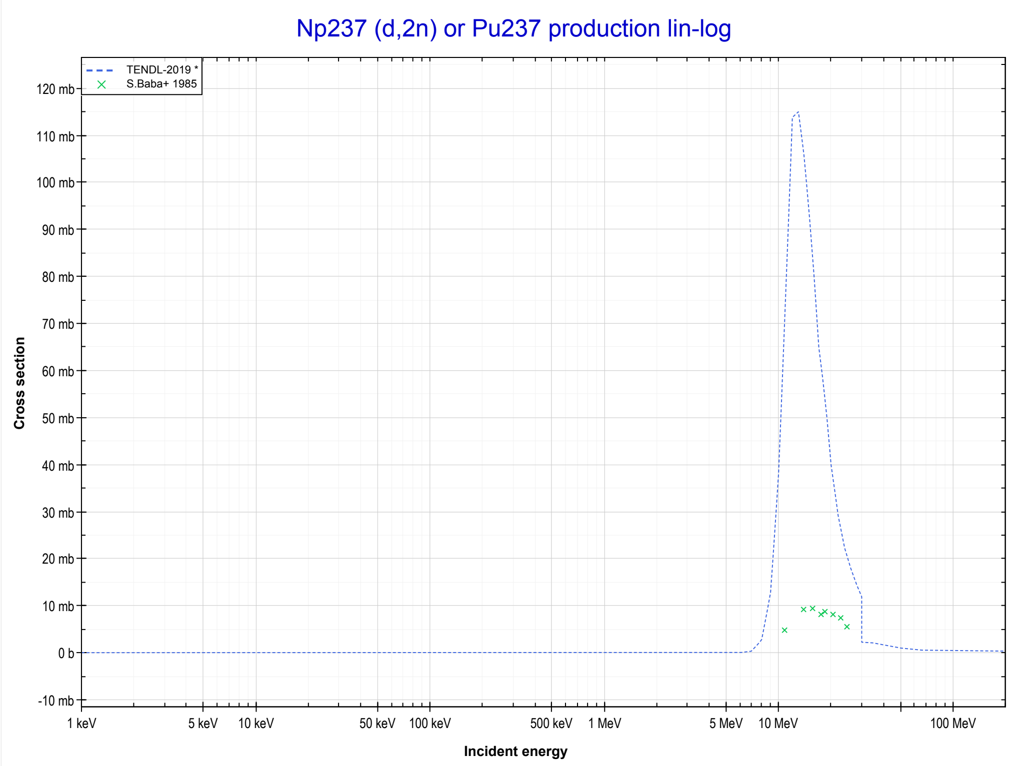
U238 (d,5n) or Np235 production lin-log



Reaction	Q-Value
U238(d,5n)Np235	-20956.16 keV

<< 92-U-238	**93-Np-237**	94-Pu-239 >>
<< 92-U-238 MT152 (d,5n)	**MT16 (d,2n) or MT5 (Pu237 production)**	MT103 (d,p) >>

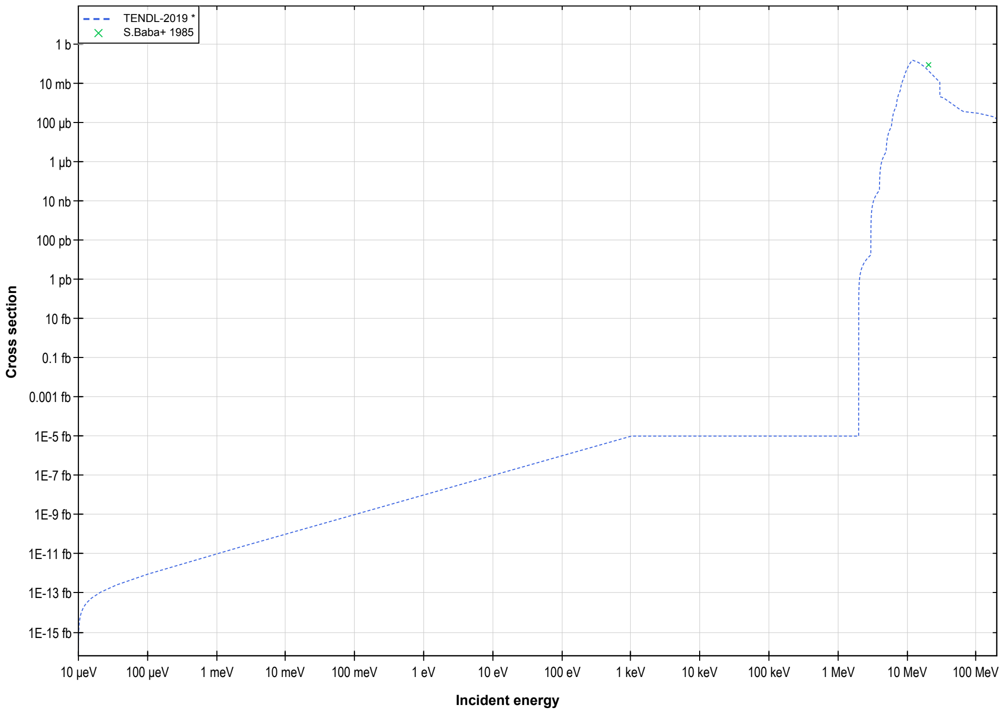




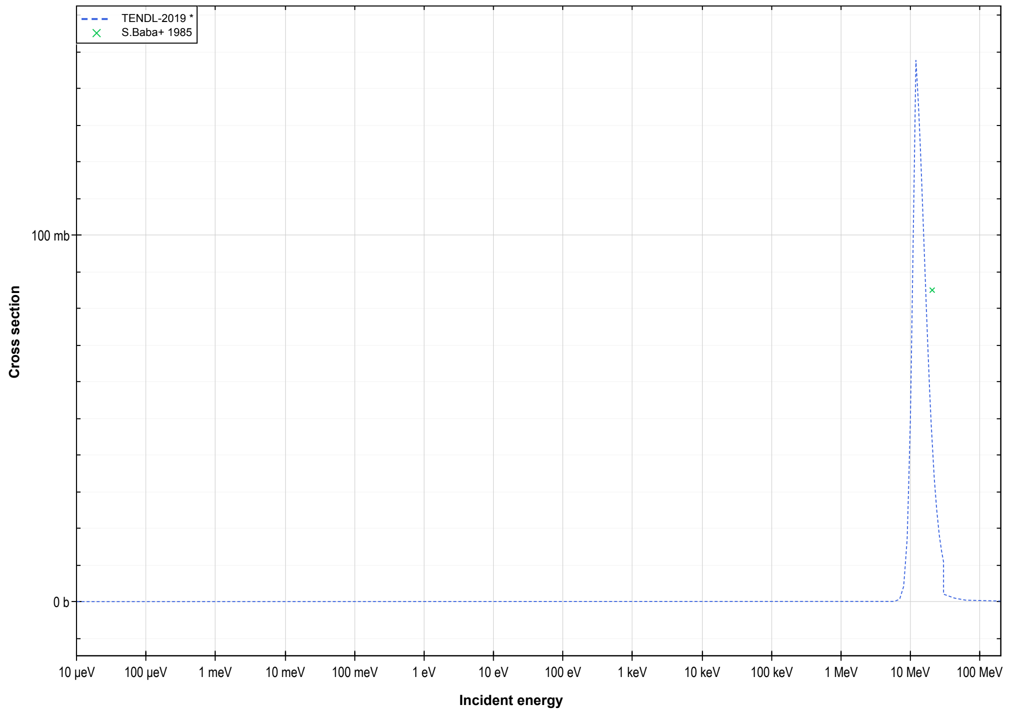
Reaction	Q-Value
Np237(d,2n)Pu237	-3226.91 keV

<< 92-U-238	**93-Np-237**	
<< MT16 (d,2n)	**MT103 (d,p) or MT5 (Np238 production)**	94-Pu-239 MT4 (d,n) >>

Np237 (d,p) or Np238 production log-log

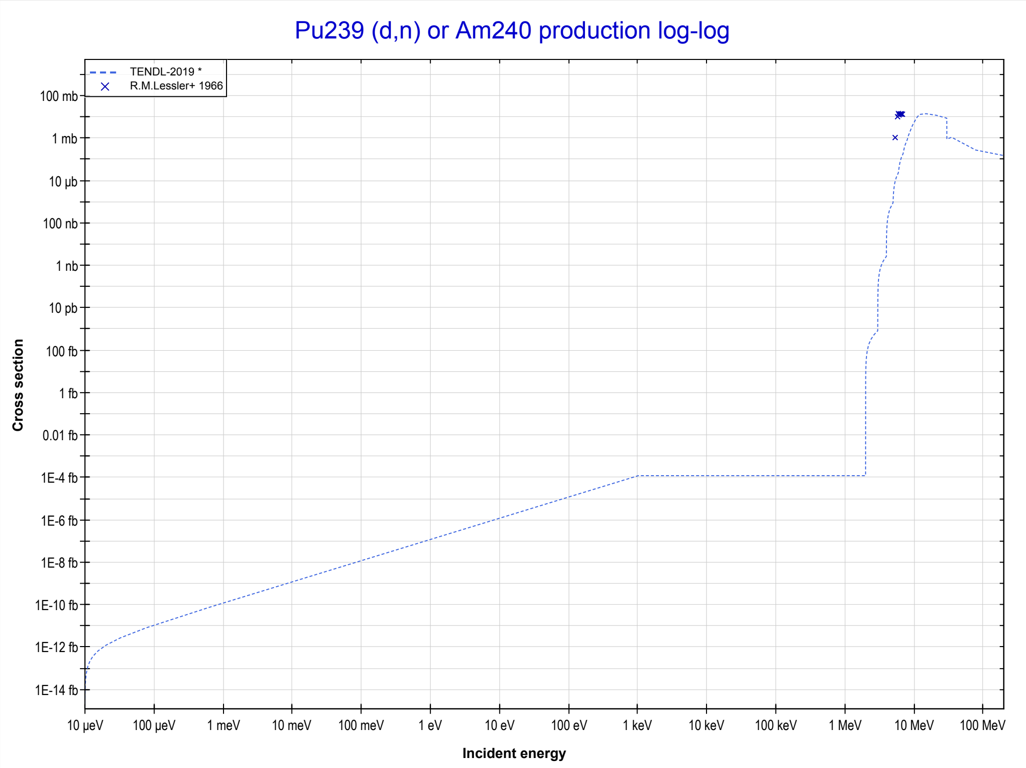


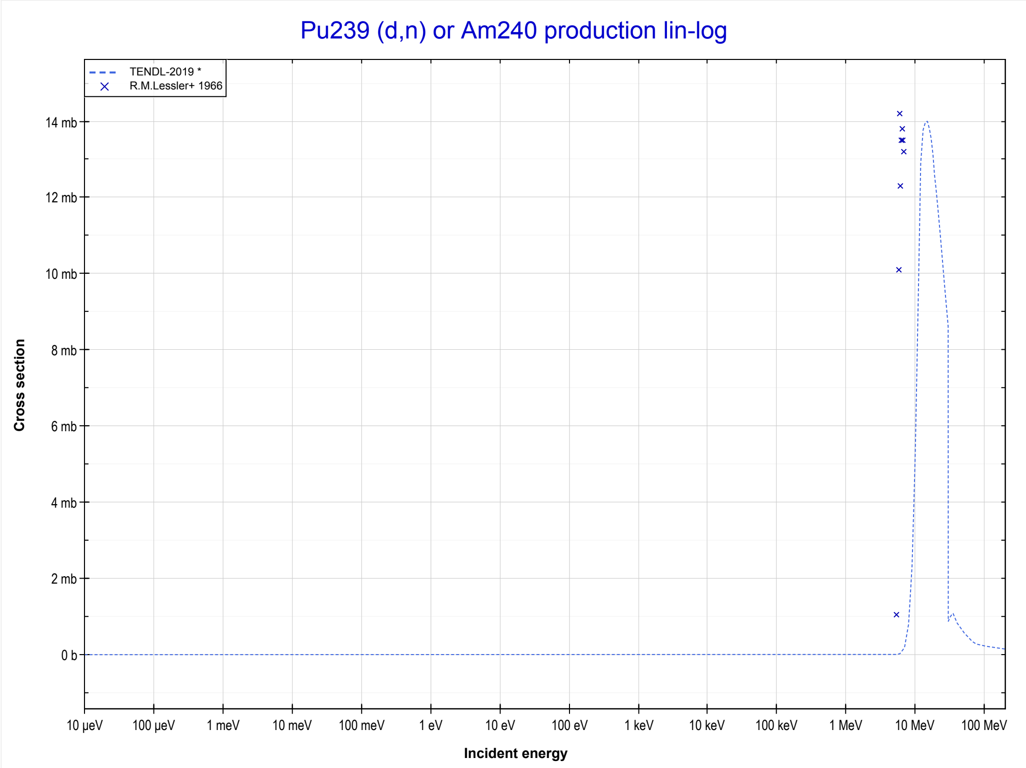
Np237 (d,p) or Np238 production lin-log



Reaction	Q-Value
Np237(d,p)Np238	3263.75 keV

<< 92-U-238	**94-Pu-239**	
<< 93-Np-237 MT103 (d,p)	**MT4 (d,n) or MT5 (Am240 production)**	MT16 (d,2n) >>

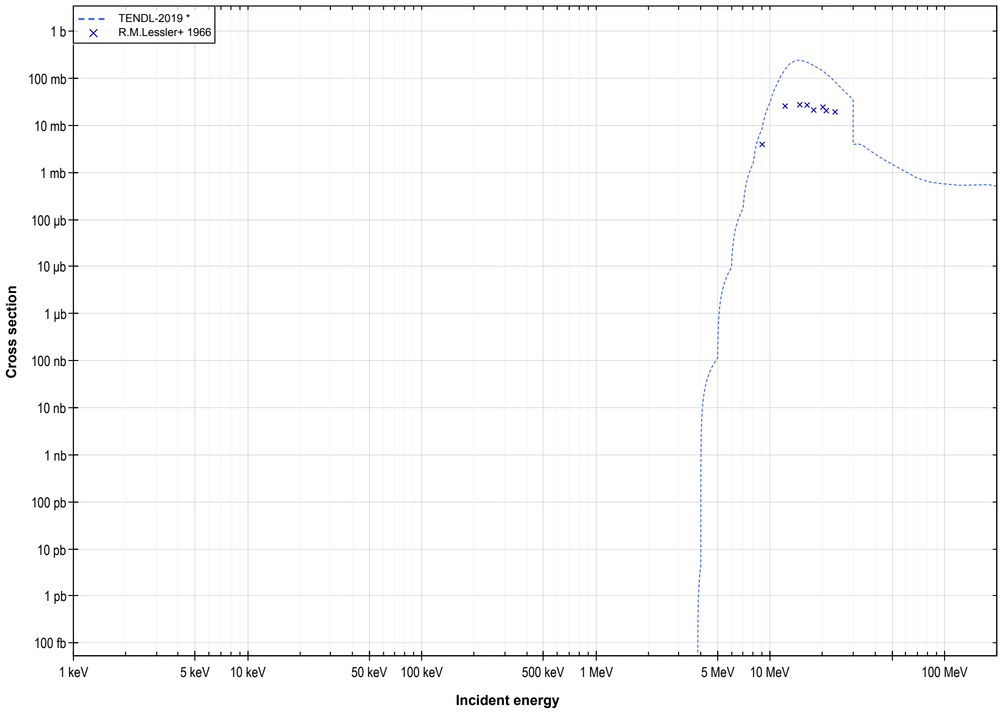




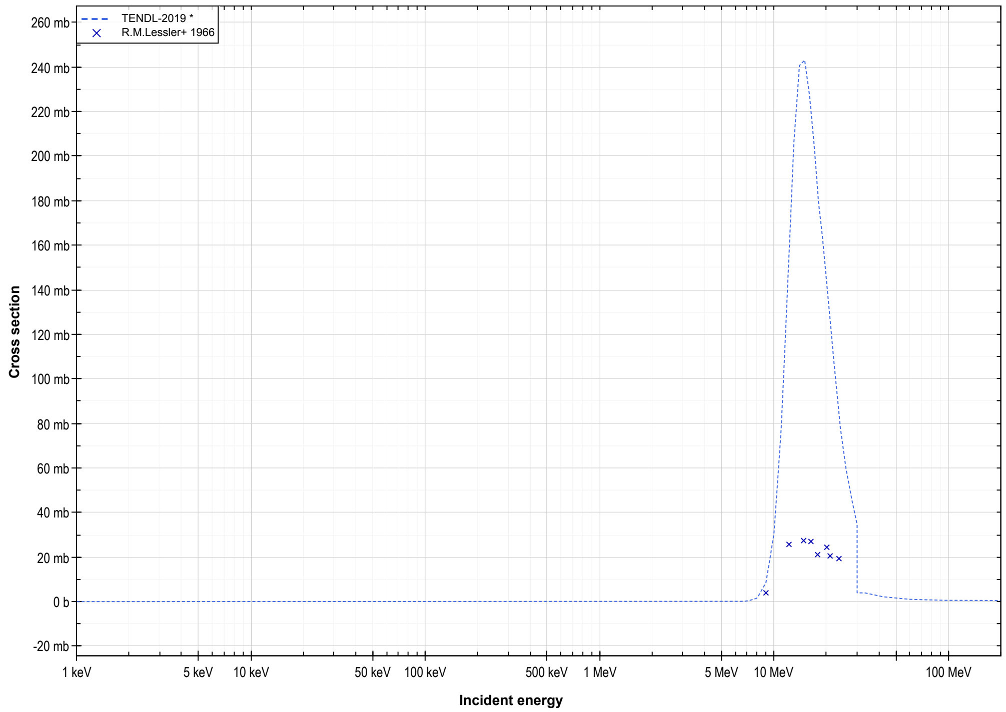
Reaction	Q-Value
Pu239(d,n)Am240	2142.70 keV

<< 93-Np-237	**94-Pu-239**	94-Pu-240 >>
<< MT4 (d,n)	**MT16 (d,2n) or MT5 (Am239 production)**	MT17 (d,3n) >>

Pu239 (d,2n) or Am239 production log-log



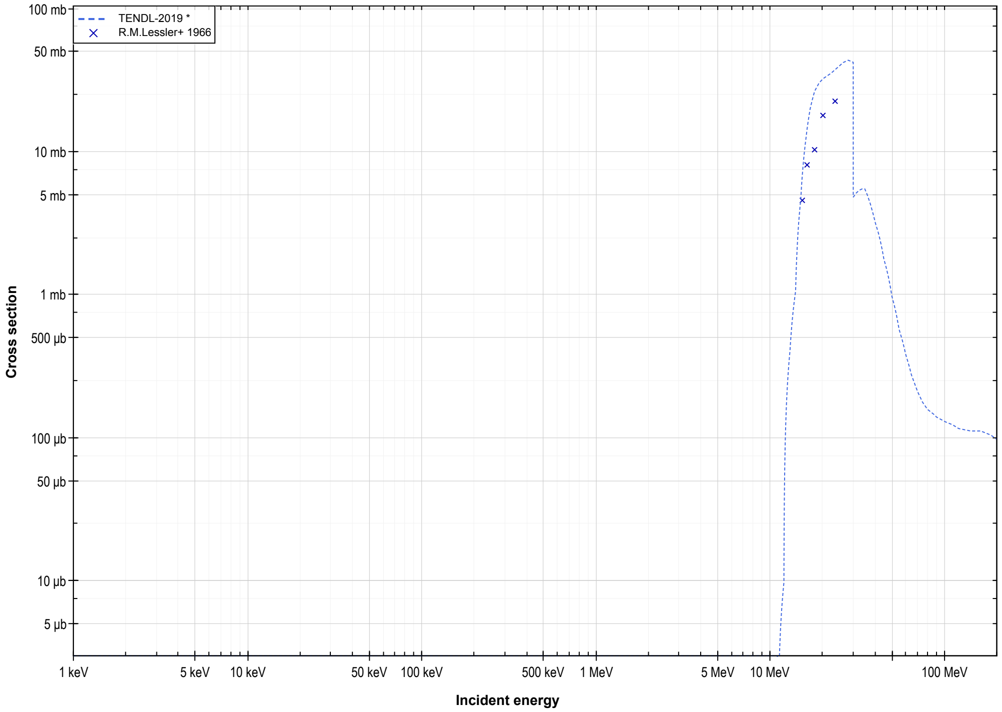
Pu239 (d,2n) or Am239 production lin-log



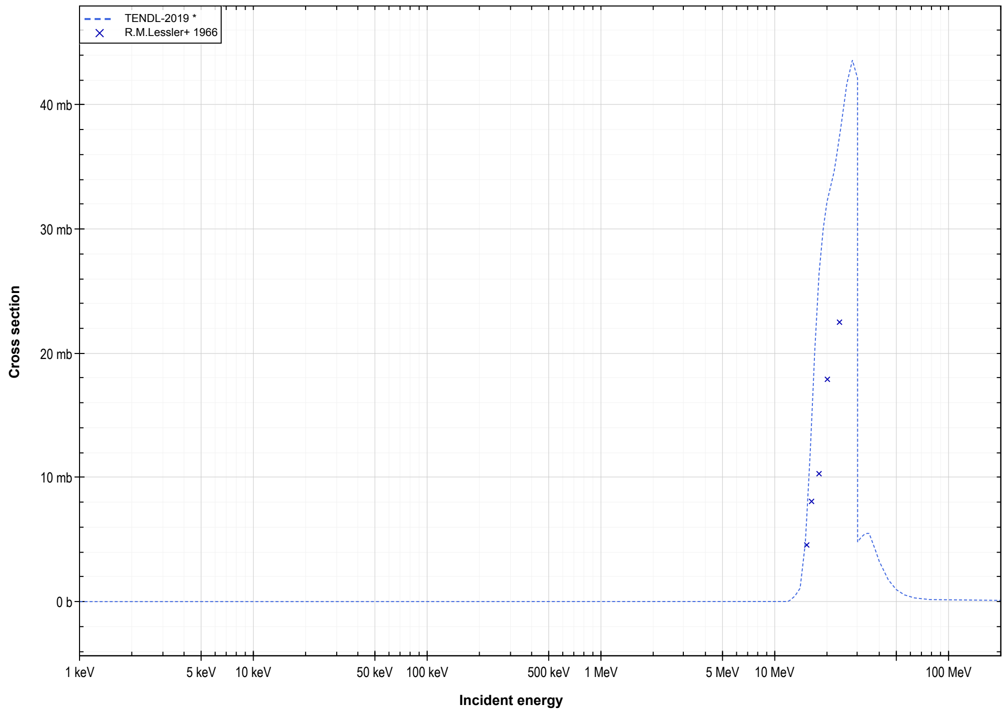
Reaction	Q-Value
Pu239(d,2n)Am239	-3809.01 keV

<< 92-U-236	**94-Pu-239**	98-Cf-249 >>
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Am238 production)**	94-Pu-240 MT16 (d,2n) >>

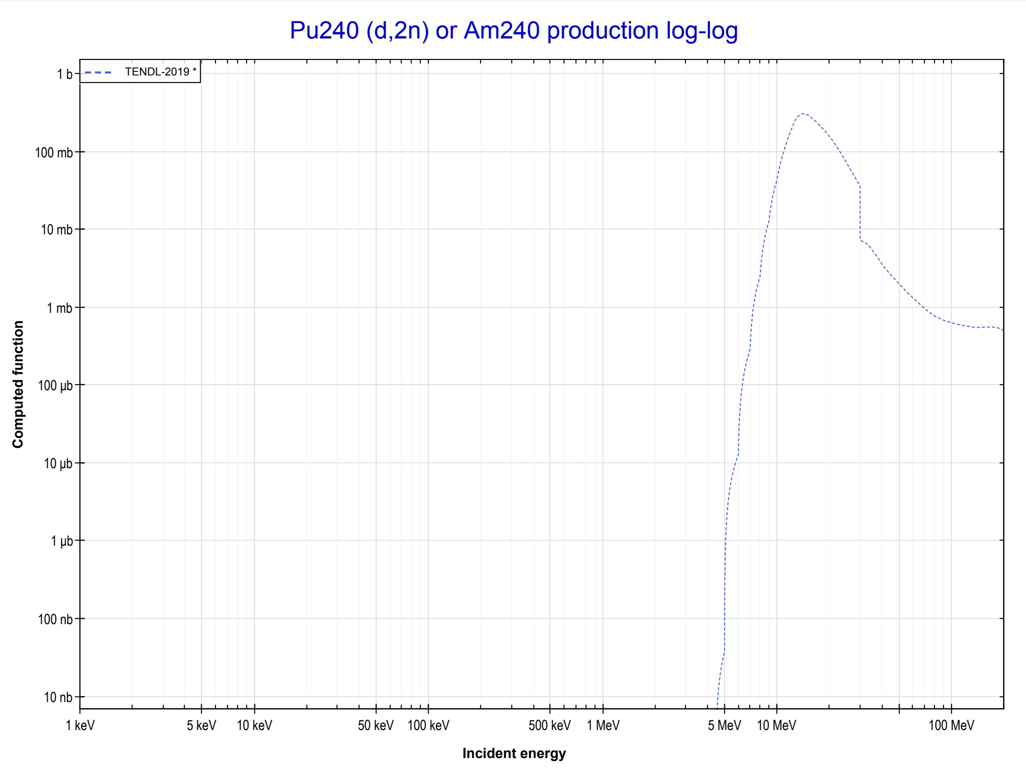
Pu239 (d,3n) or Am238 production log-log

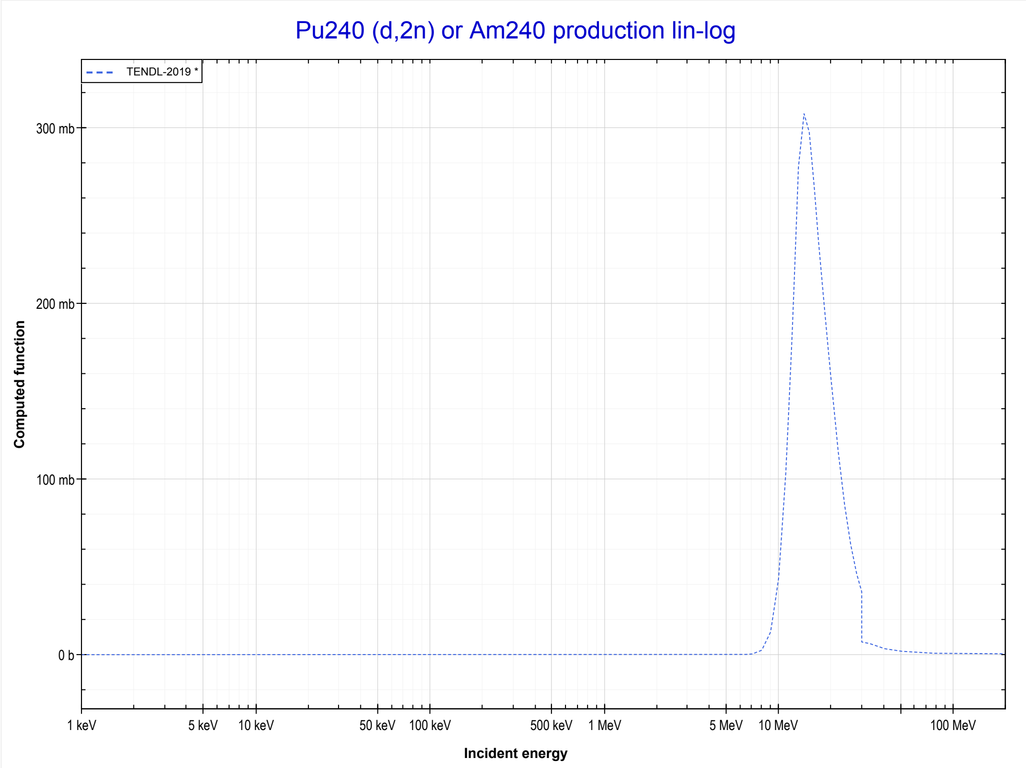


Pu239 (d,3n) or Am238 production lin-log



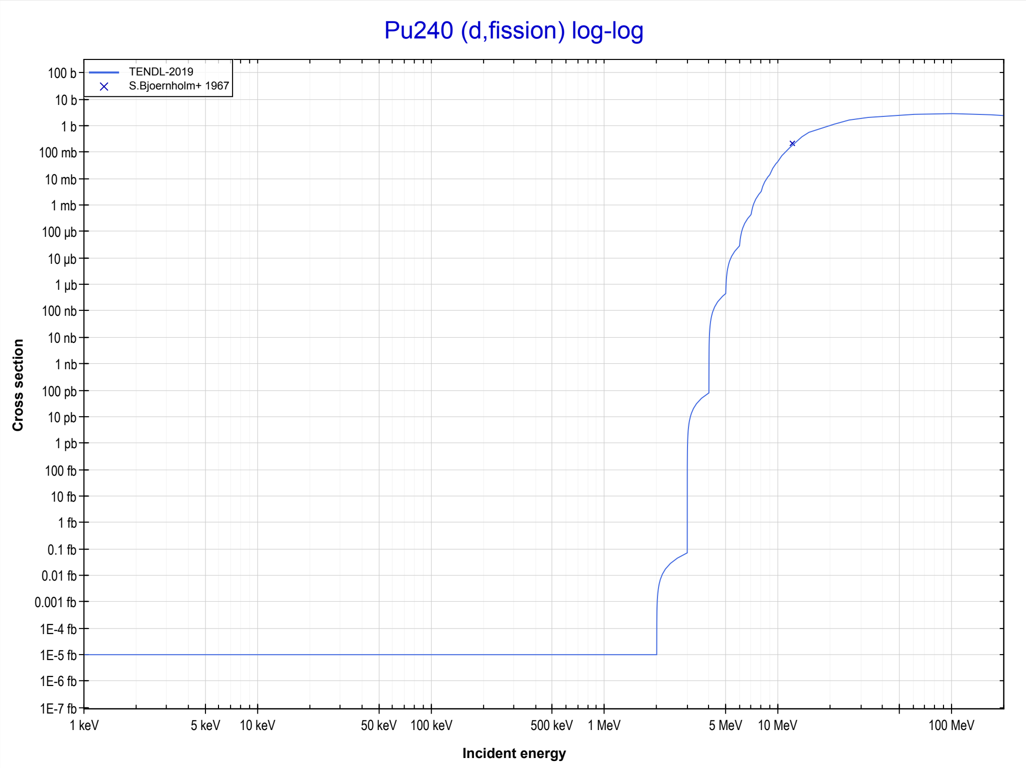
Reaction	Q-Value
Pu239(d,3n)Am238	-10909.93 keV

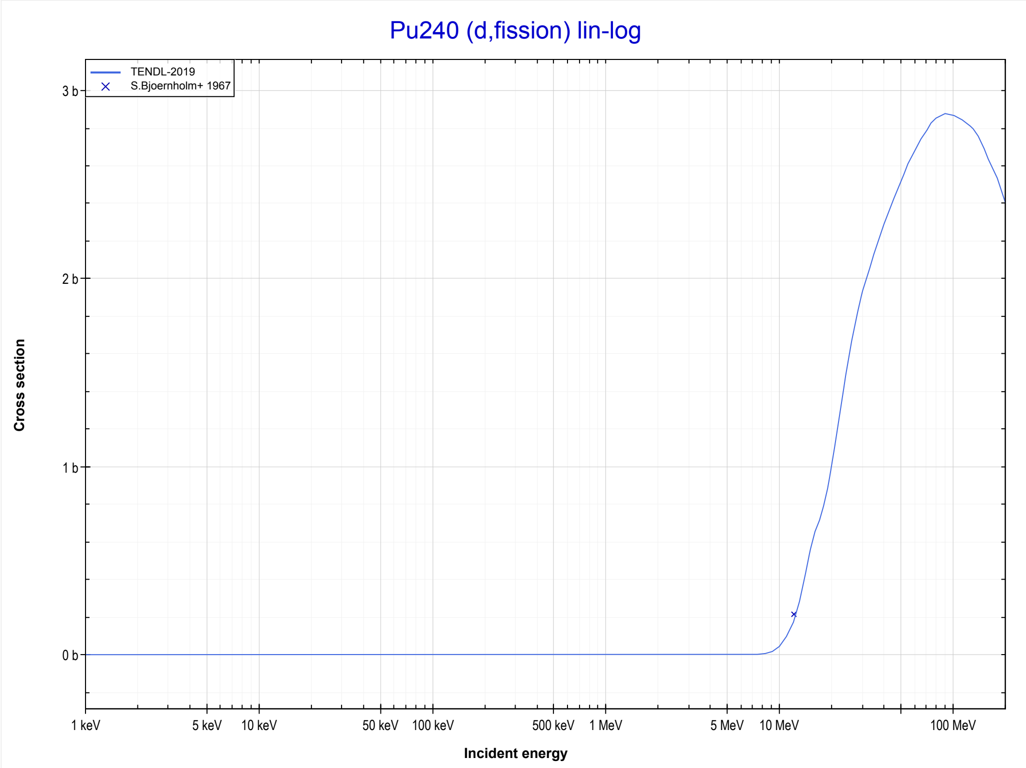


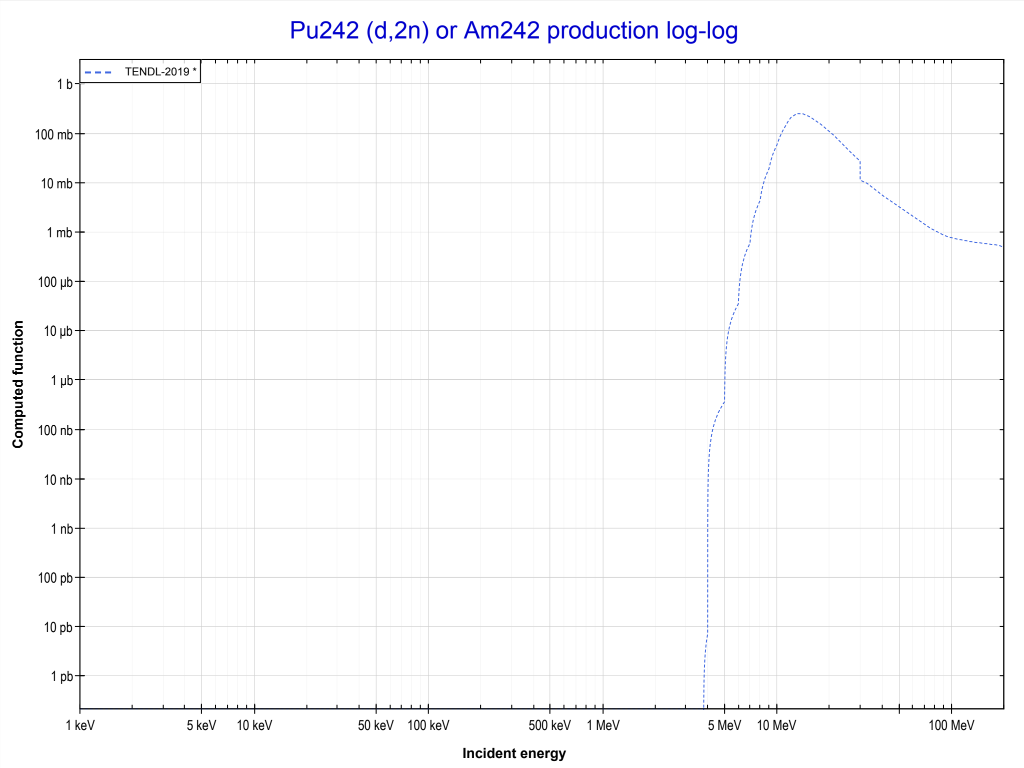


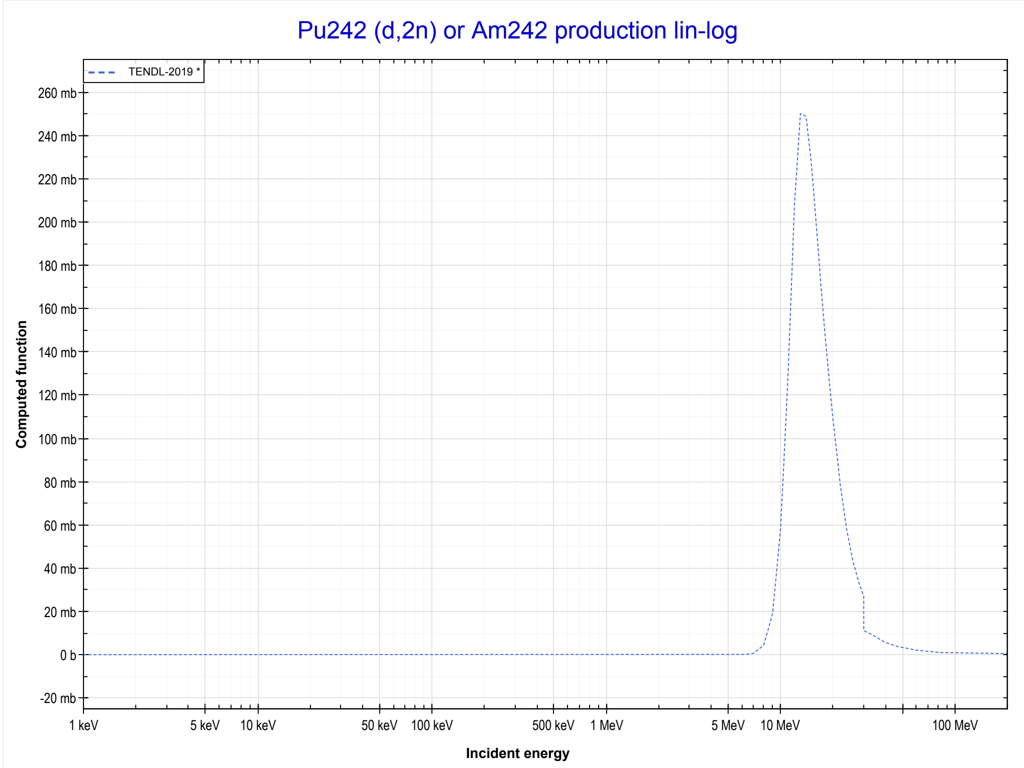
Reaction	Q-Value
Pu240(d,2n)Am240	-4391.51 keV

<< 92-U-238	**94-Pu-240**	94-Pu-242 >>
<< MT16 (d,2n)	**MT18 (d,fission)**	94-Pu-242 MT16 (d,2n) >>



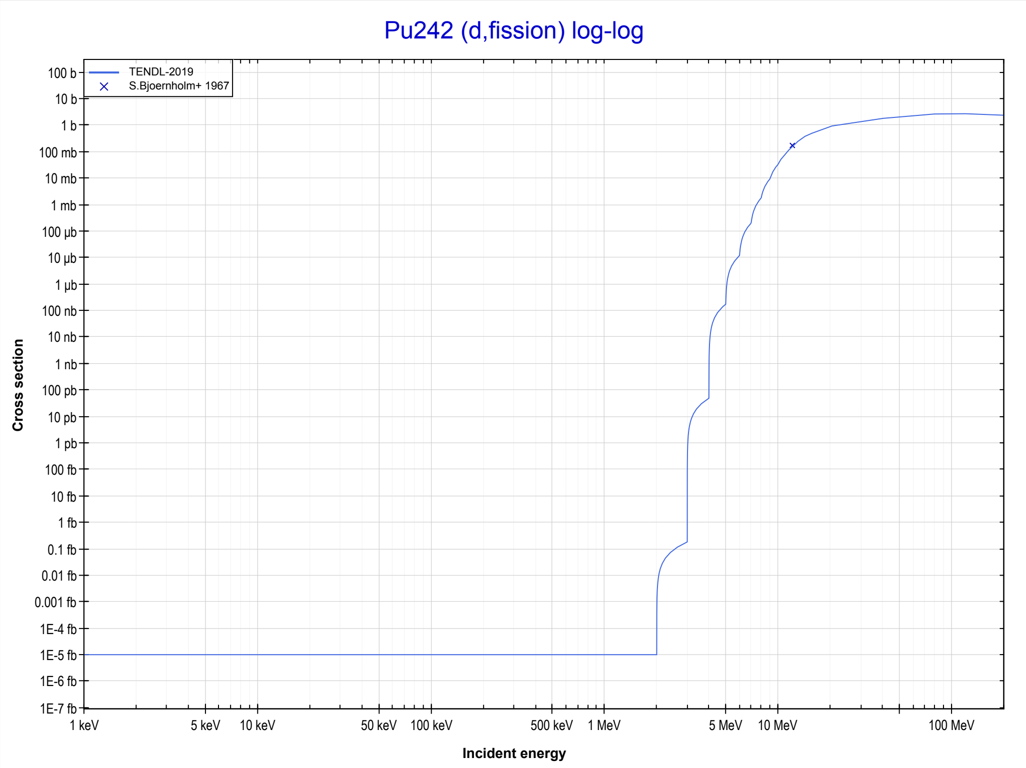


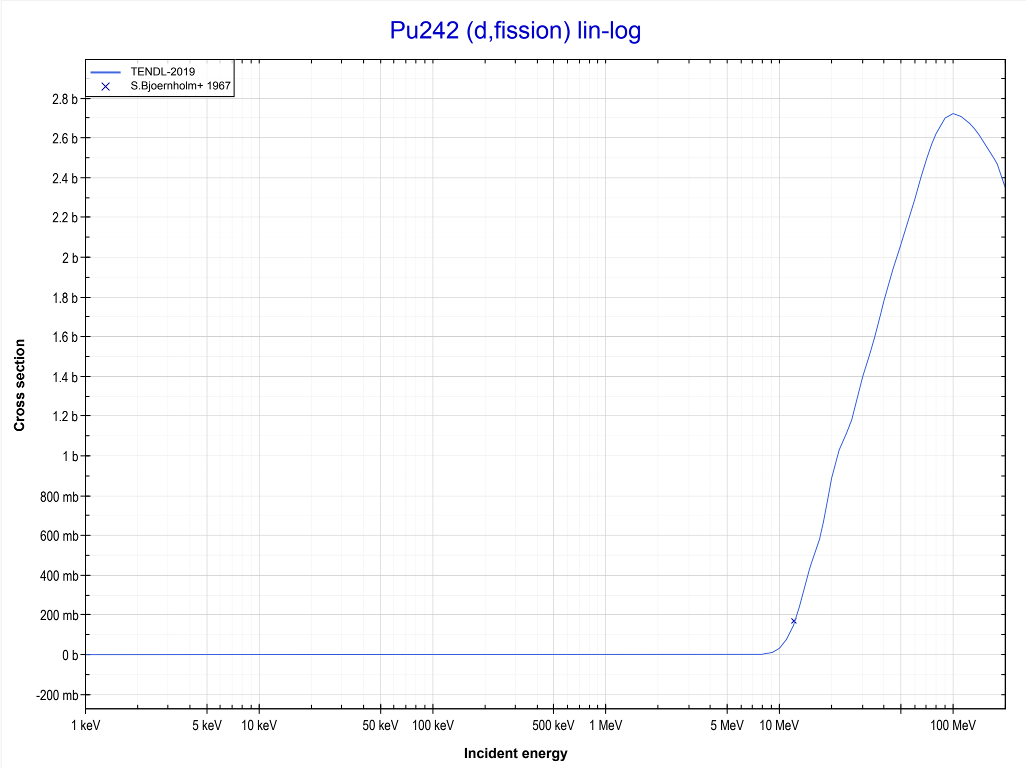




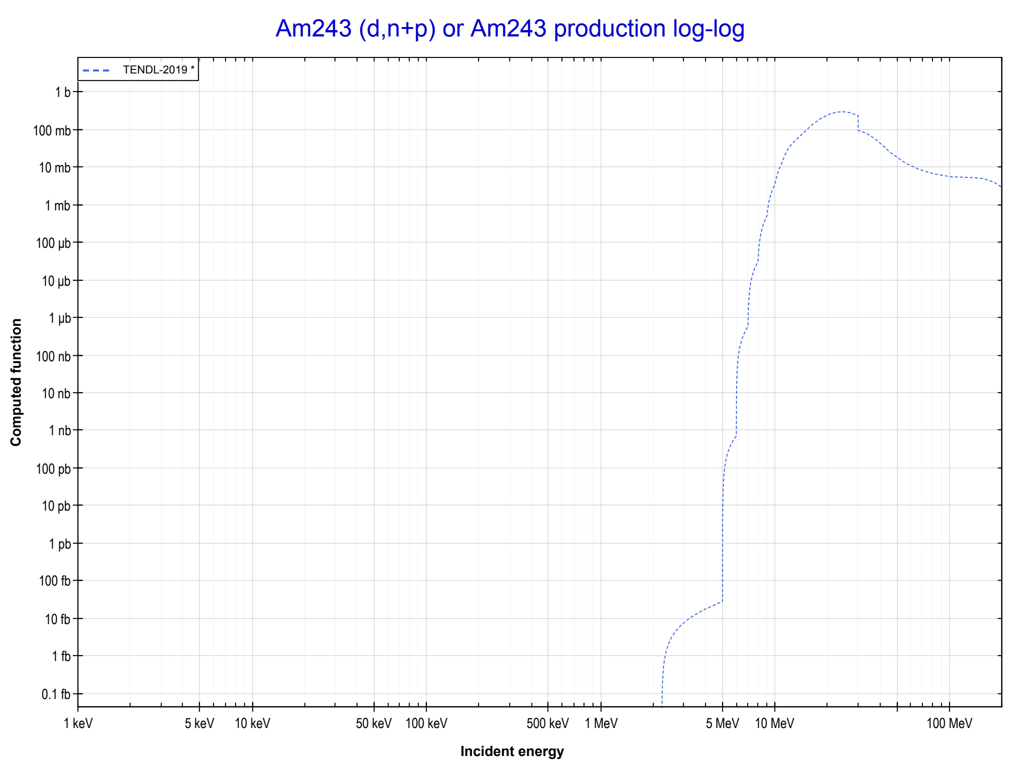
Reaction	Q-Value
Pu242(d,2n)Am242	-3758.11 keV

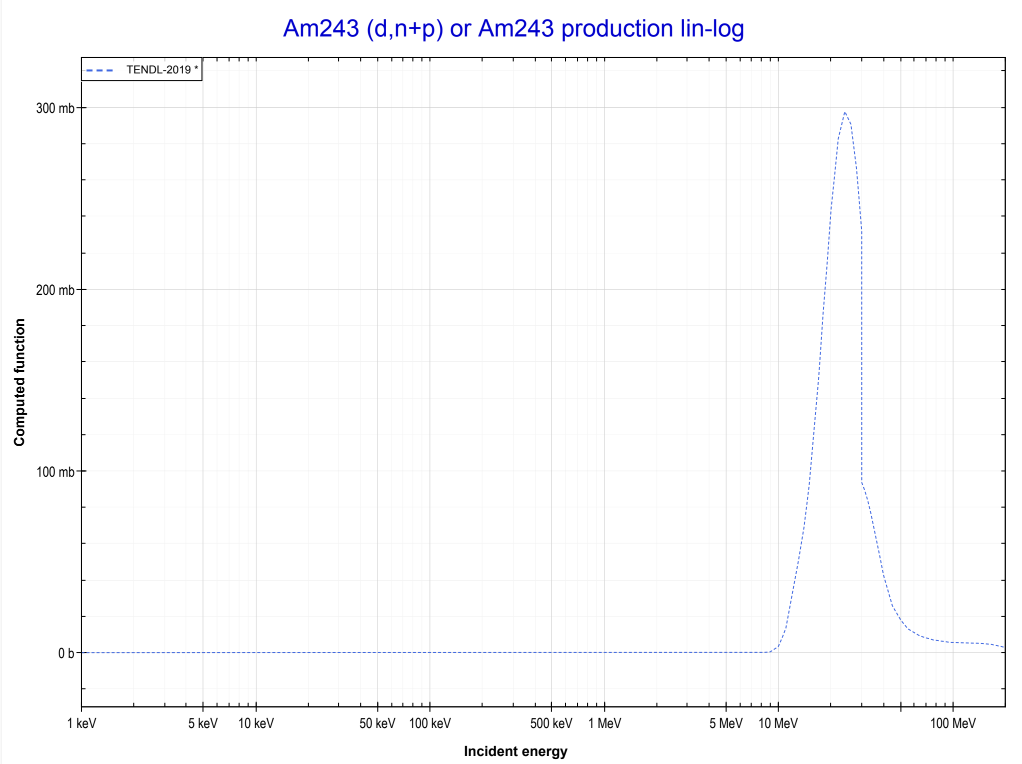
<< 94-Pu-240	**94-Pu-242**	
<< MT16 (d,2n)	**MT18 (d,fission)**	95-Am-243 MT28 (d,n+p) >>





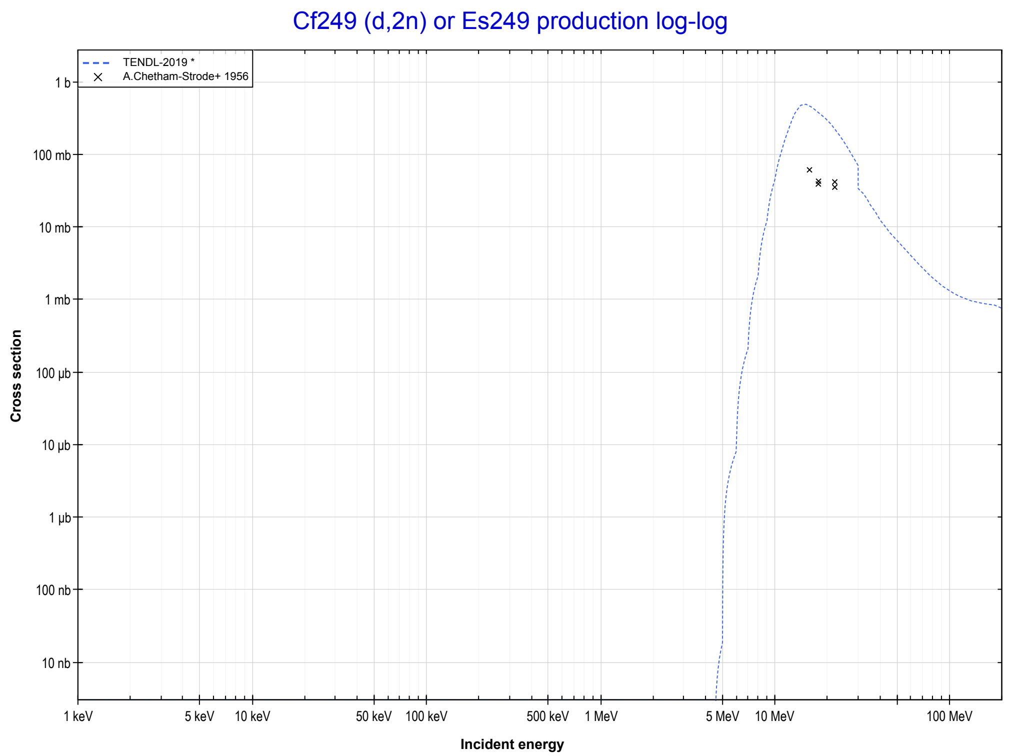
	95-Am-243	
<< 94-Pu-242 MT18 (d,fission)	**MT28 (d,n+p) or MT5 (Am243 production)**	98-Cf-249 MT16 (d,2n) >>

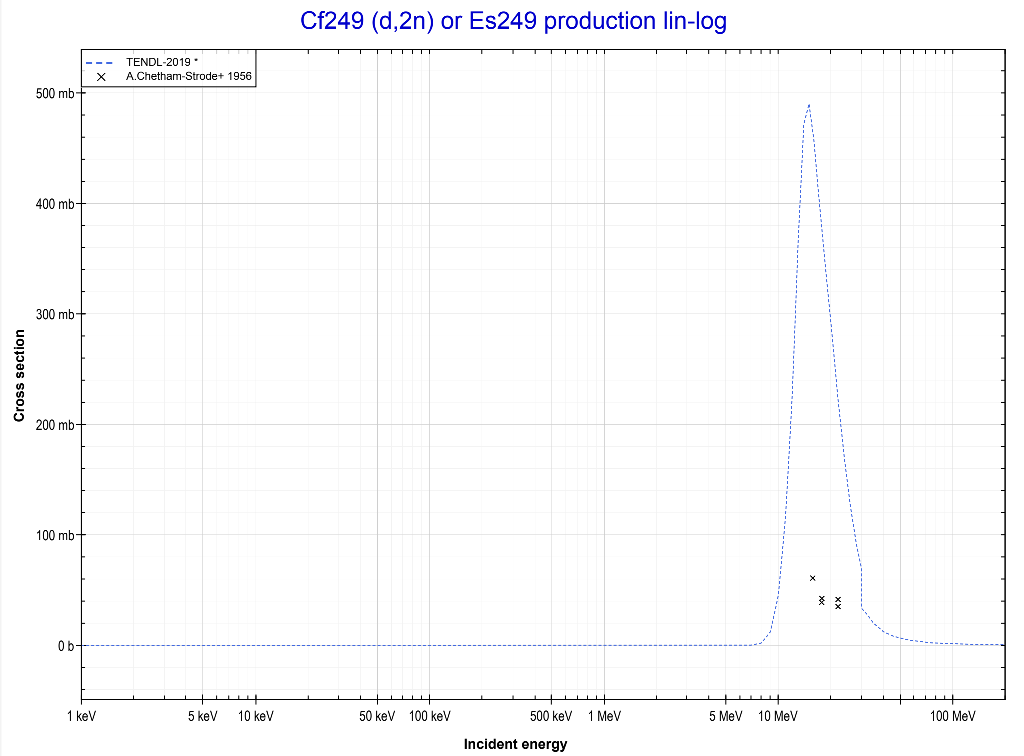




Reaction	Q-Value
Am243(d,d)Am243	0.00 keV
Am243(d,n+p)Am243	-2224.57 keV

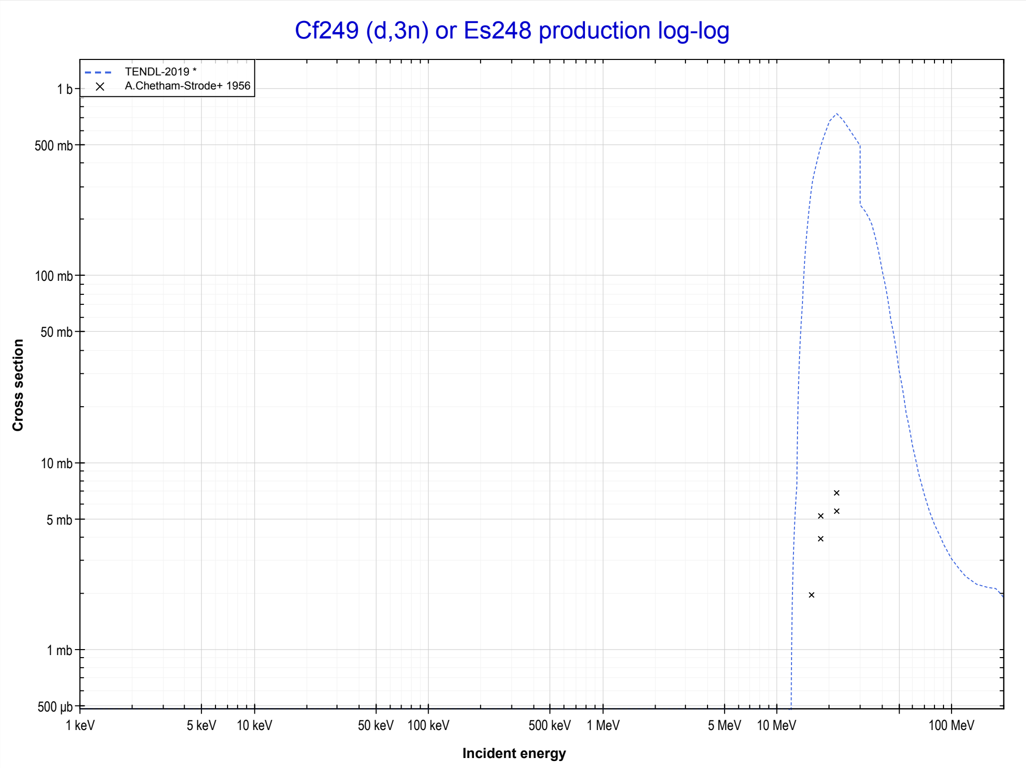
<< 94-Pu-242	**98-Cf-249**	
<< 95-Am-243 MT28 (d,n+p)	**MT16 (d,2n) or MT5 (Es249 production)**	MT17 (d,3n) >>

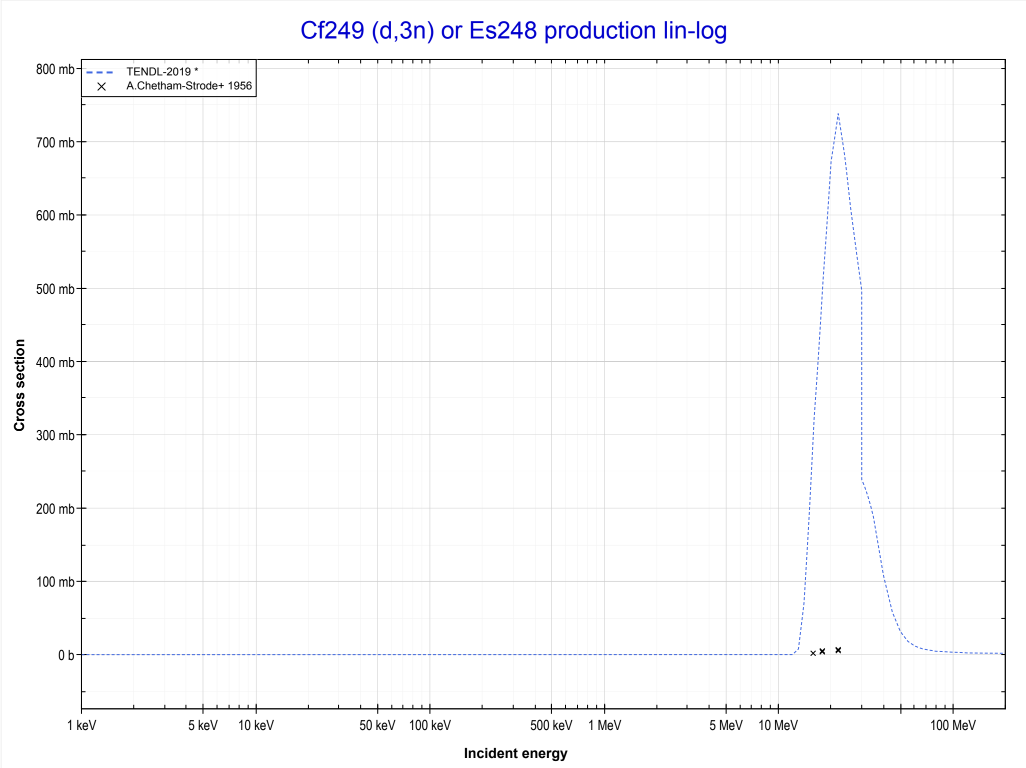




Reaction	Q-Value
Cf249(d,2n)Es249	-4464.11 keV

<< 94-Pu-239	**98-Cf-249**	
<< MT16 (d,2n)	**MT17 (d,3n) or MT5 (Es248 production)**	





Reaction	Q-Value
Cf249(d,3n)Es248	-11655.43 keV