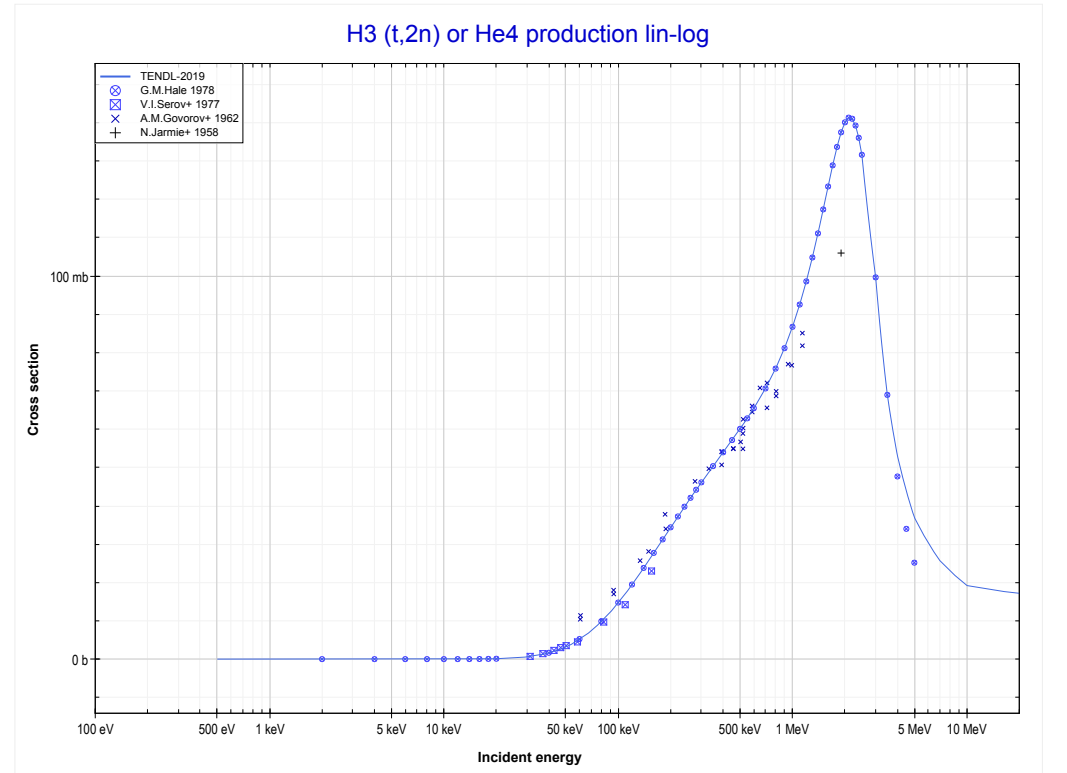
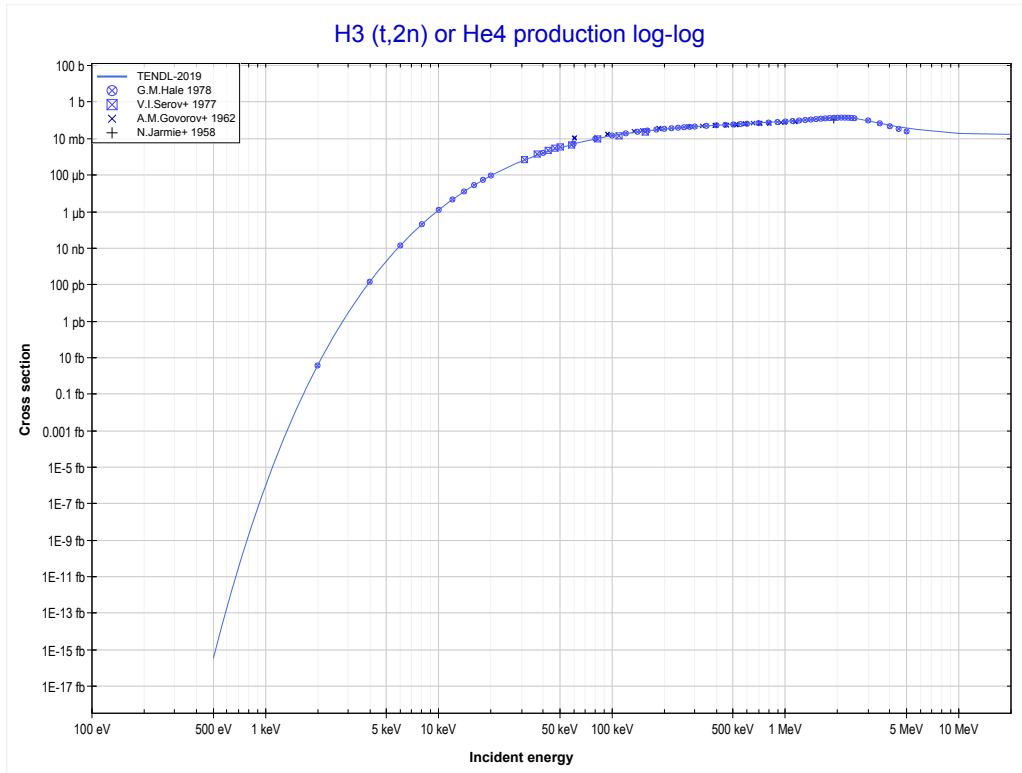
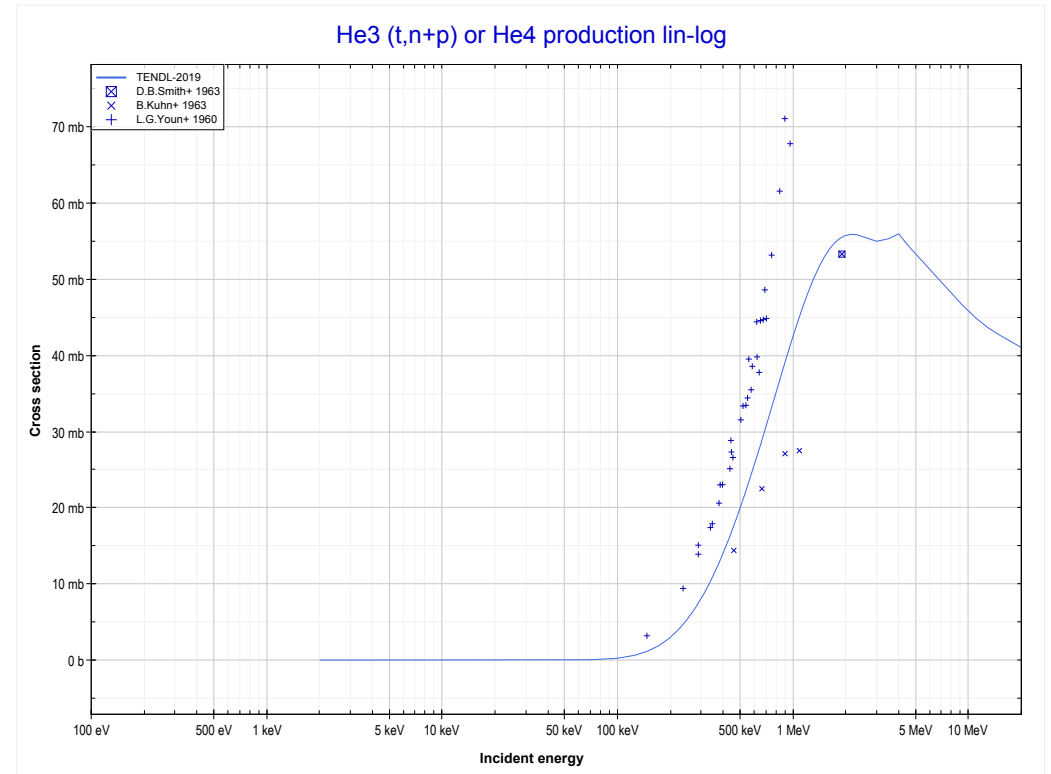
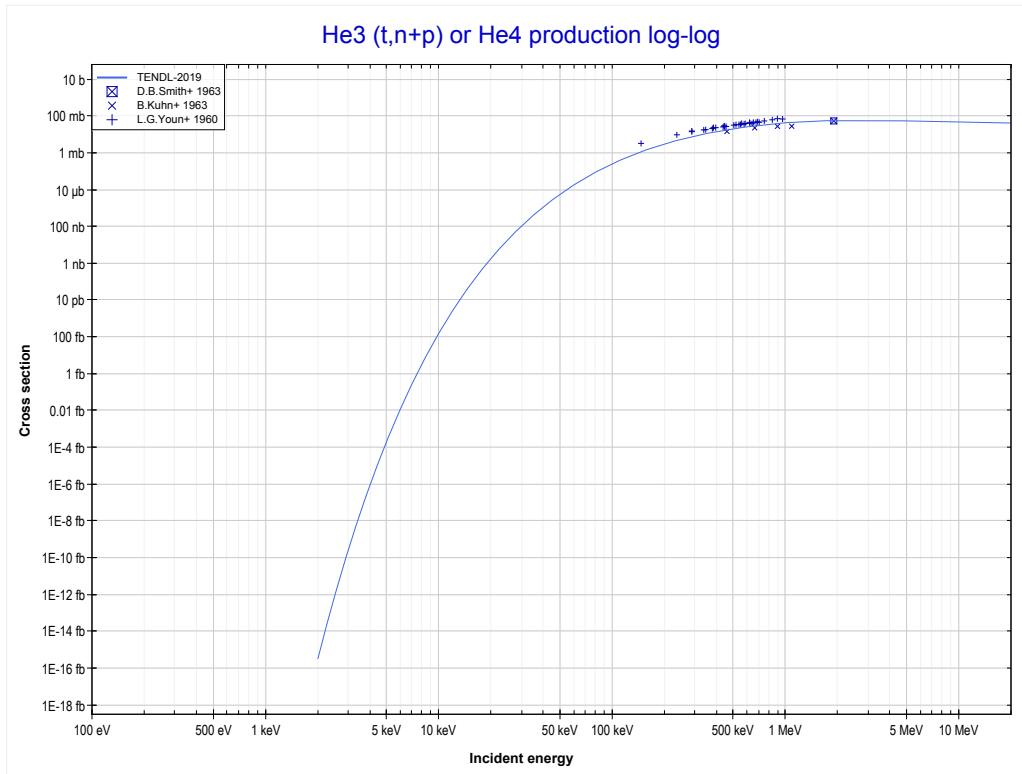


	1-H-3	
	MT16 (t,2n) or MT5 (He4 production)	2-He-3 MT28 (t,n+p) >>



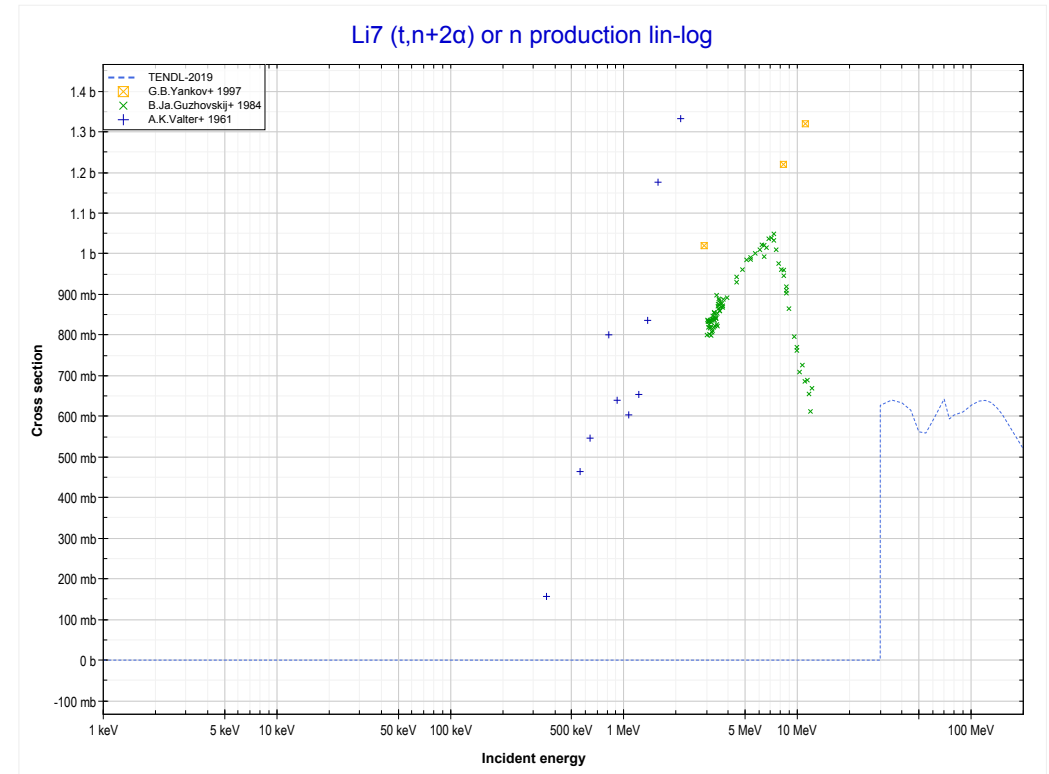
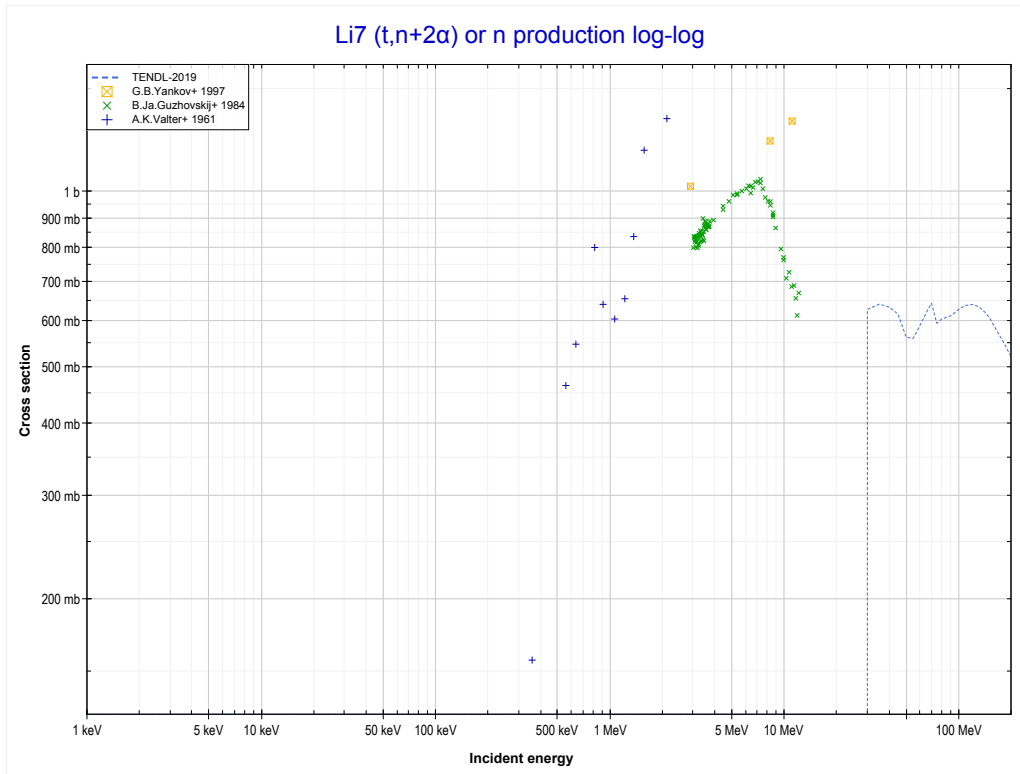
Reaction	Q-Value
H3(t,2n)He4	11332.07 keV

	2-He-3	
<< 1-H-3 MT16 (t,2n)	MT28 (t,n+p) or MT5 (He4 production)	3-Li-7 MT29 (t,n+2α) >>



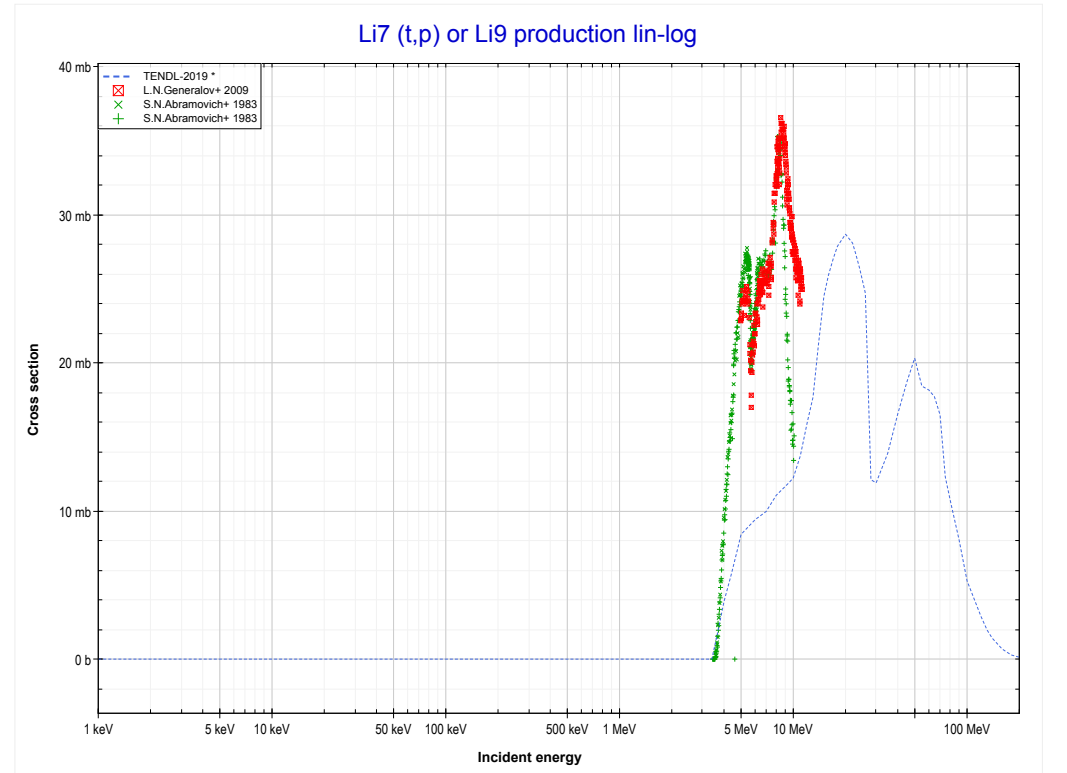
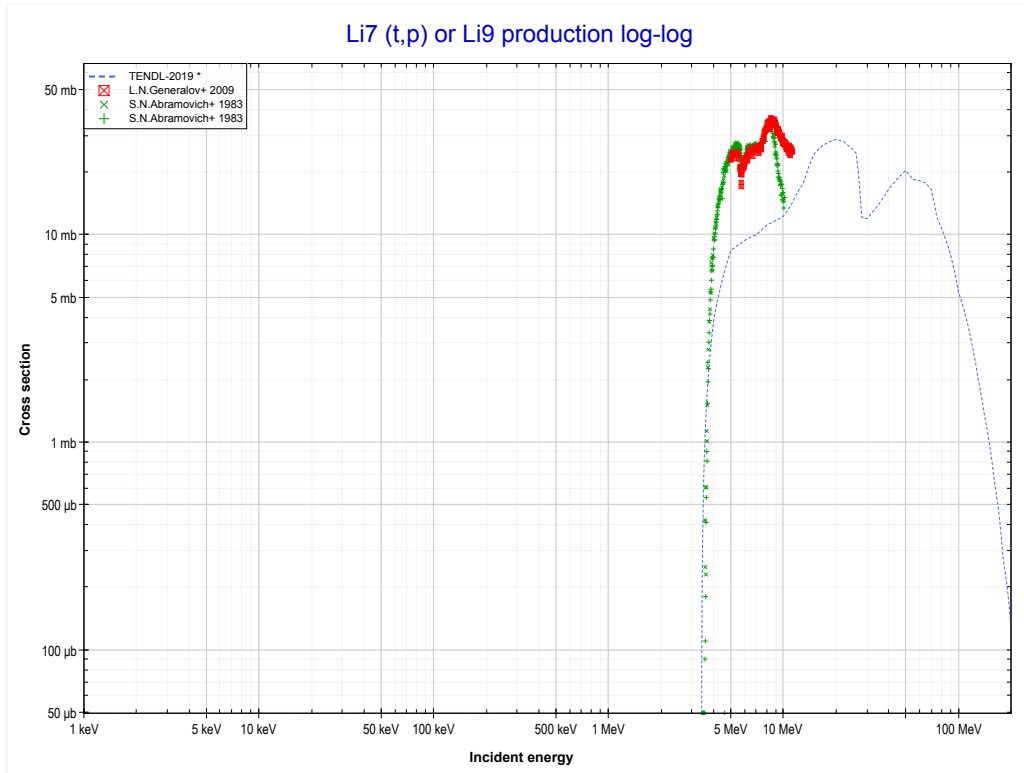
Reaction	Q-Value
He3(t,d)He4	14320.39 keV
He3(t,n+p)He4	12095.82 keV

	3-Li-7	
<< 2-He-3 MT28 (t,n+p)	MT29 (t,n+2α) or MT5 (n production)	MT103 (t,p) >>



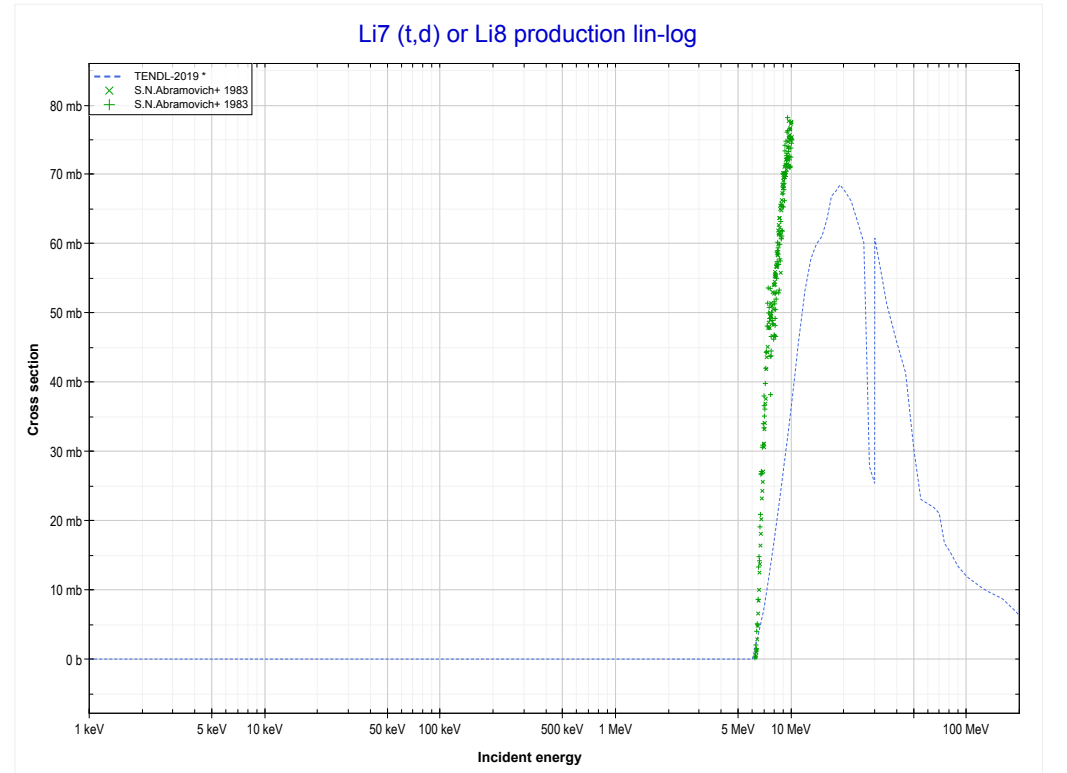
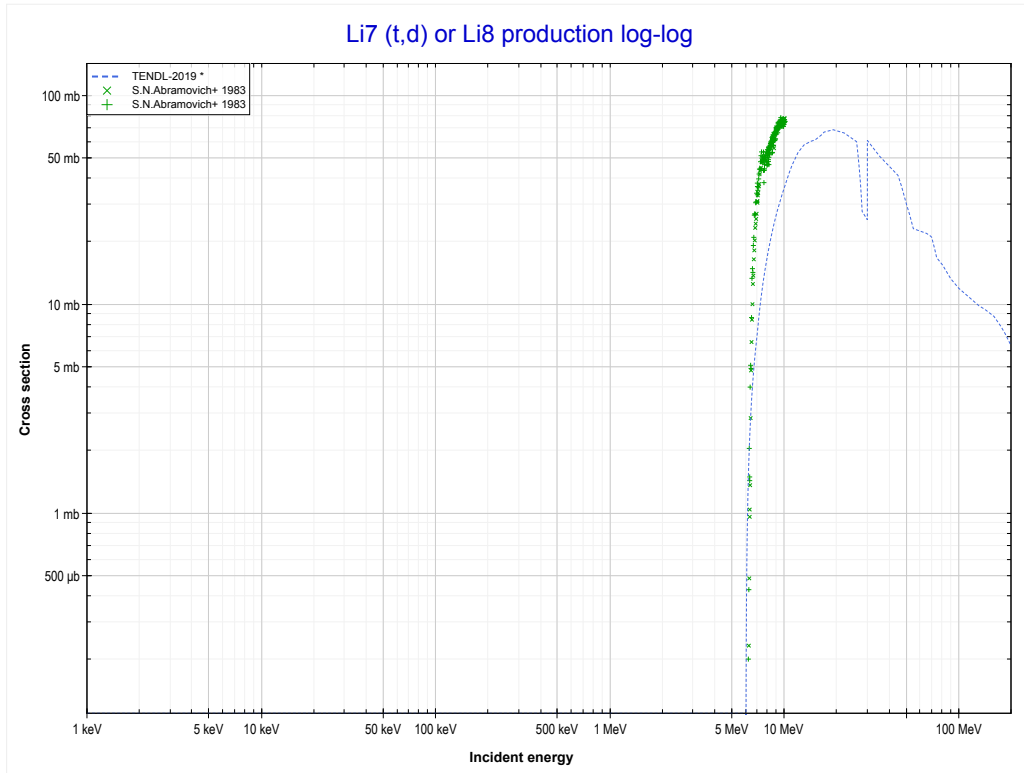
Reaction	Q-Value	Reaction	Q-Value
Li7(t,n+2α)n	8864.45 keV	Li7(t,p+d+2t)n	-28538.71 keV
Li7(t,d+t+α)n	-8724.85 keV	Li7(t,n+d+t+He3)n	-29302.47 keV
Li7(t,n+p+t+α)n	-10949.42 keV	Li7(t,n+2p+2t)n	-30763.28 keV
Li7(t,2n+He3+α)n	-11713.17 keV	Li7(t,2n+p+t+He3)n	-31527.03 keV
Li7(t,n+2d+α)n	-14982.08 keV	Li7(t,3n+2He3)n	-32290.79 keV
Li7(t,2n+p+d+α)n	-17206.64 keV	Li7(t,3d+t)n	-32571.38 keV
Li7(t,3n+2p+α)n	-19431.21 keV	Li7(t,n+p+2d+t)n	-34795.94 keV
Li7(t,2t+He3)n	-23045.24 keV	Li7(t,2n+2d+He3)n	-35559.70 keV

	3-Li-7	5-B-11 >>
<< MT29 (t,n+2 α)	MT103 (t,p) or MT5 (Li9 production)	MT104 (t,d) >>



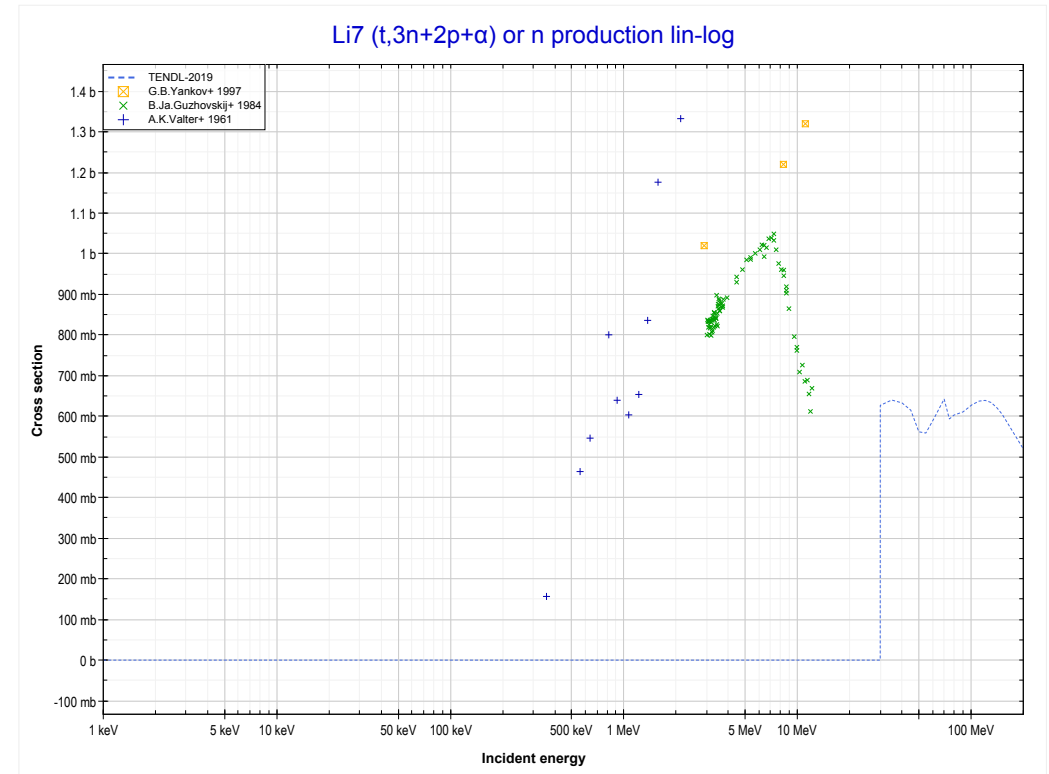
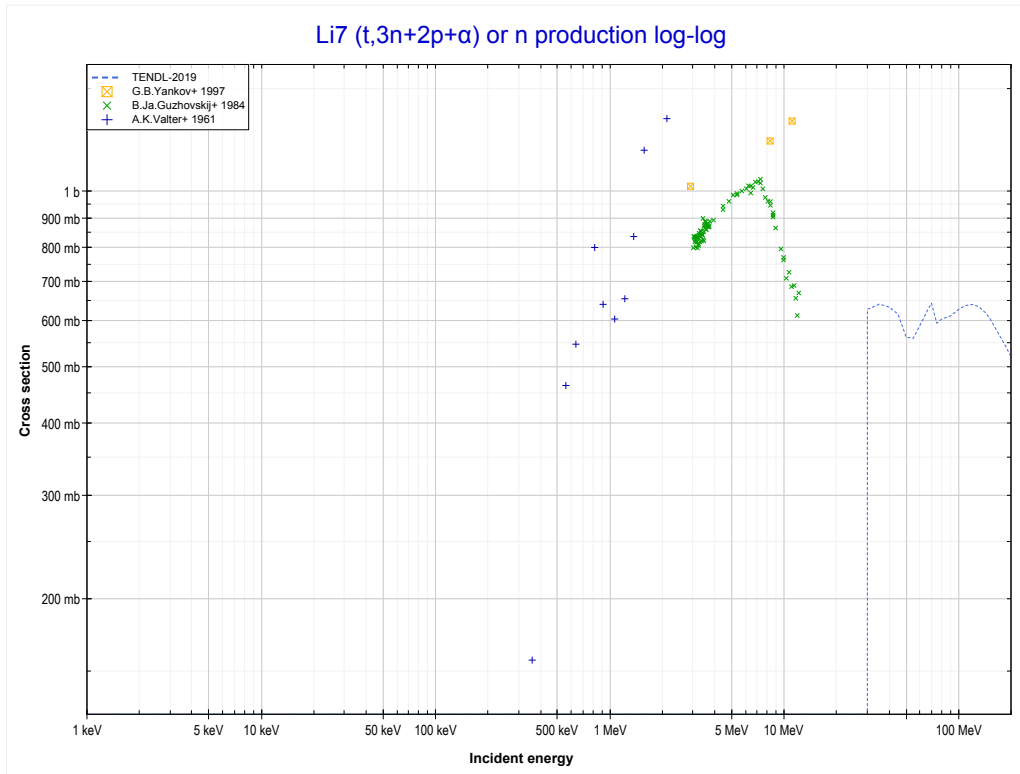
Reaction	Q-Value
Li7(t,p)Li9	-2386.96 keV

	3-Li-7	79-Au-197 >>
<< MT103 (t,p)	MT104 (t,d) or MT5 (Li8 production)	MT199 (t,3n+2p+α) >>



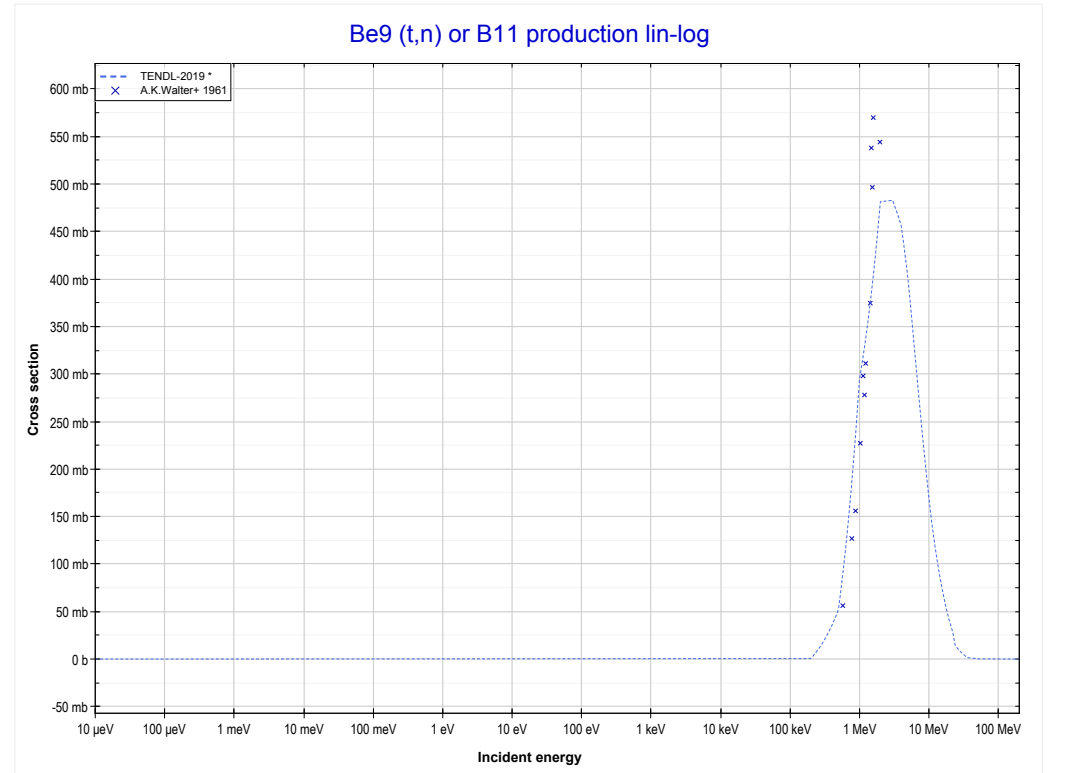
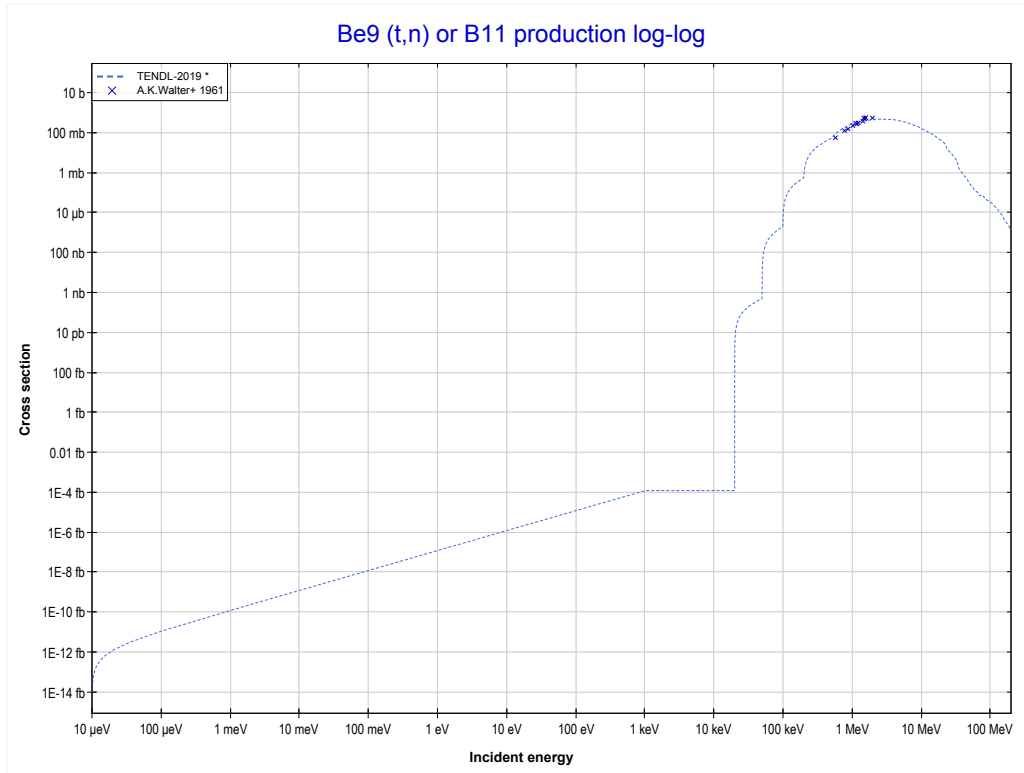
Reaction	Q-Value
Li7(t,d)Li8	-4224.61 keV
Li7(t,n+p)Li8	-6449.17 keV

	3-Li-7	
<< MT104 (t,d)	MT199 (t,3n+2p+α) or MT5 (n production)	4-Be-9 MT4 (t,n) >>



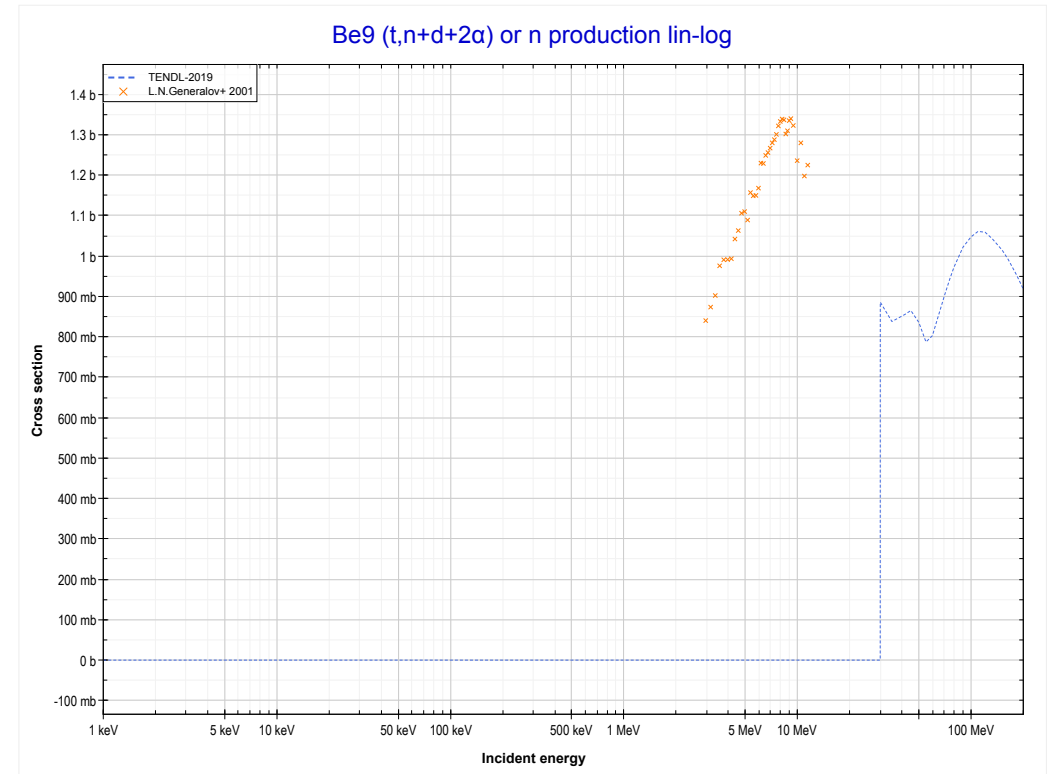
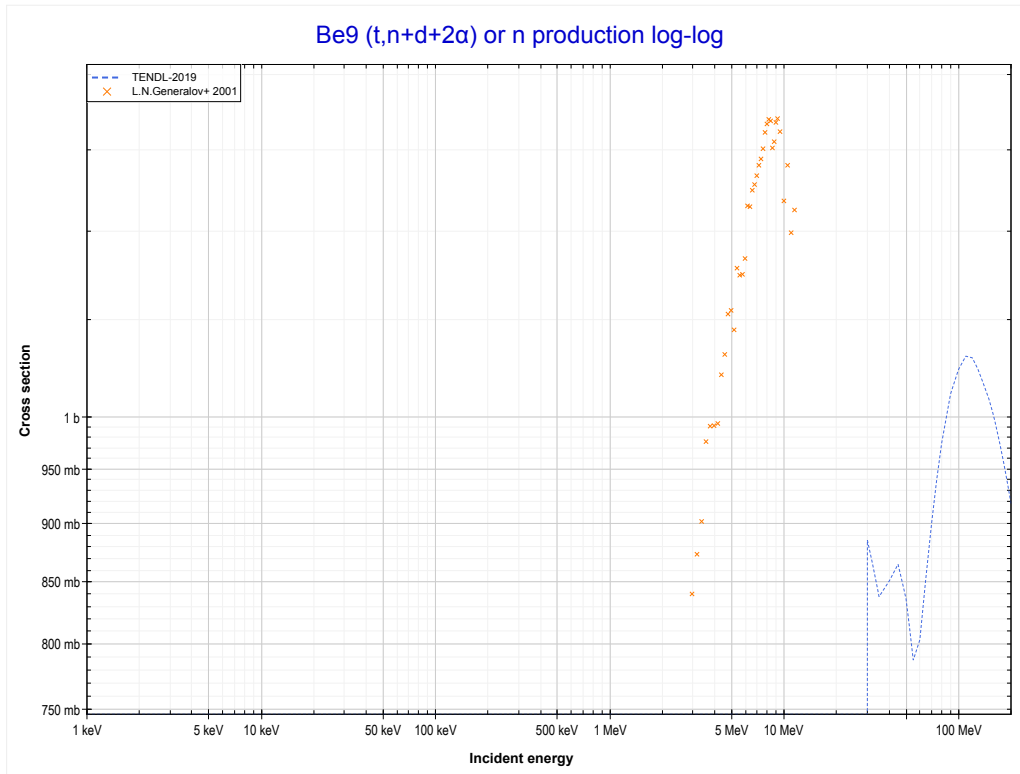
Reaction	Q-Value	Reaction	Q-Value
Li7(t,n+2α)n	8864.45 keV	Li7(t,p+d+2t)n	-28538.71 keV
Li7(t,d+t+α)n	-8724.85 keV	Li7(t,n+d+t+He3)n	-29302.47 keV
Li7(t,n+p+t+α)n	-10949.42 keV	Li7(t,n+2p+2t)n	-30763.28 keV
Li7(t,2n+He3+α)n	-11713.17 keV	Li7(t,2n+p+t+He3)n	-31527.03 keV
Li7(t,n+2d+α)n	-14982.08 keV	Li7(t,3n+2He3)n	-32290.79 keV
Li7(t,2n+p+d+α)n	-17206.64 keV	Li7(t,3d+t)n	-32571.38 keV
Li7(t,3n+2p+α)n	-19431.21 keV	Li7(t,n+p+2d+t)n	-34795.94 keV
Li7(t,2t+He3)n	-23045.24 keV	Li7(t,2n+2d+He3)n	-35559.70 keV

	4-Be-9	6-C-12 >>
<< 3-Li-7 MT199 (t,3n+2p+α)	MT4 (t,n) or MT5 (B11 production)	MT35 (t,n+d+2α) >>



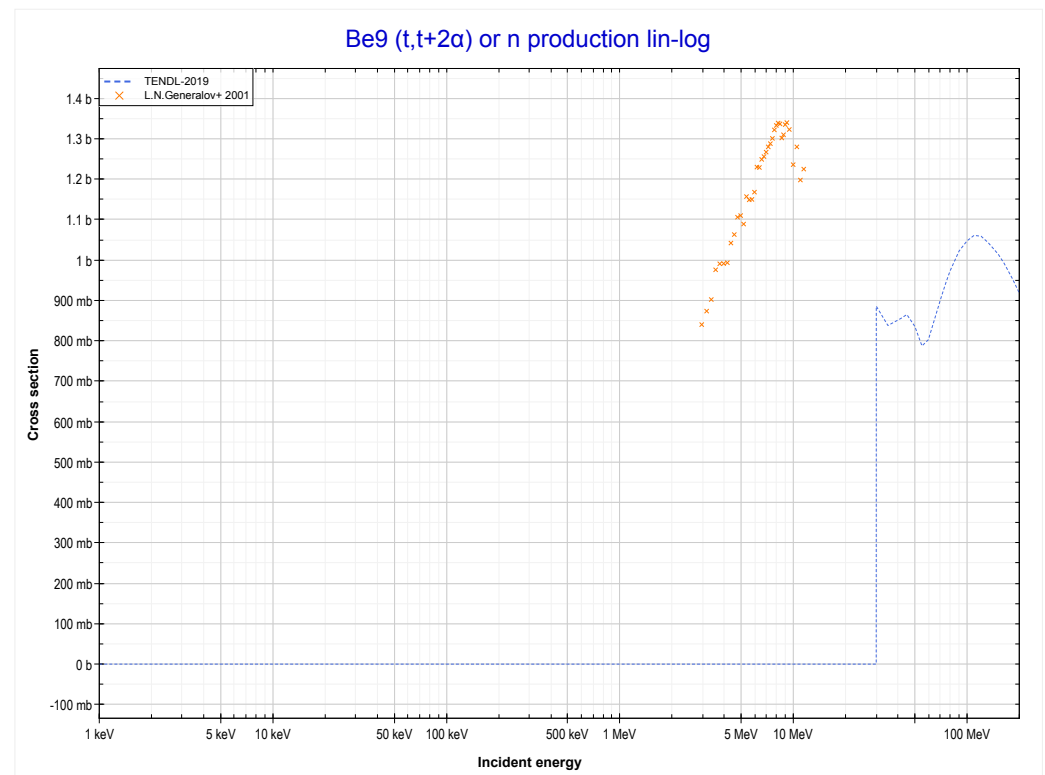
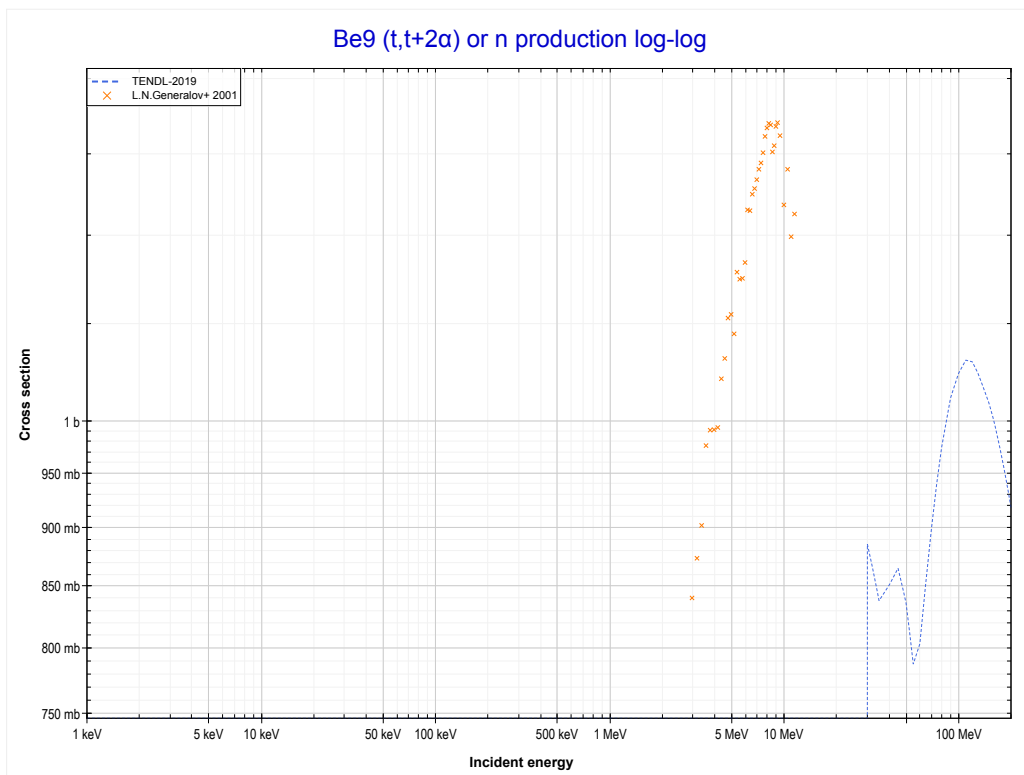
Reaction	Q-Value
Be9(t,n)B11	9559.24 keV

	4-Be-9	
<< MT4 (t,n)	MT35 (t,n+d+2α) or MT5 (n production)	MT113 (t,t+2α) >>



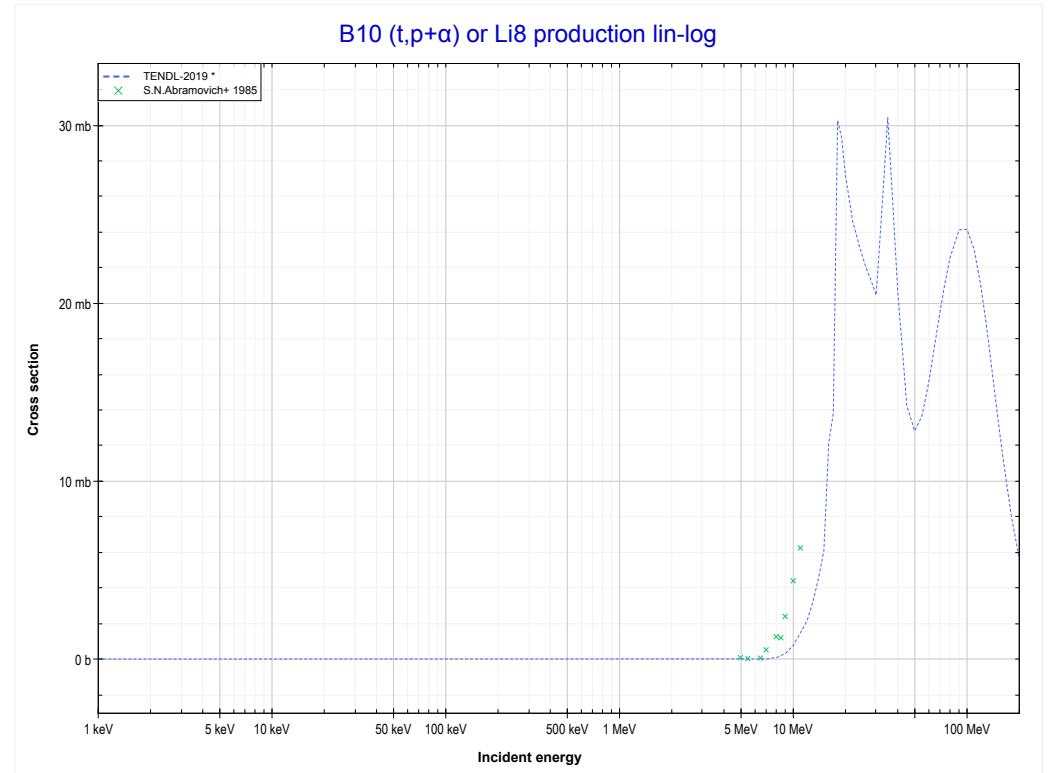
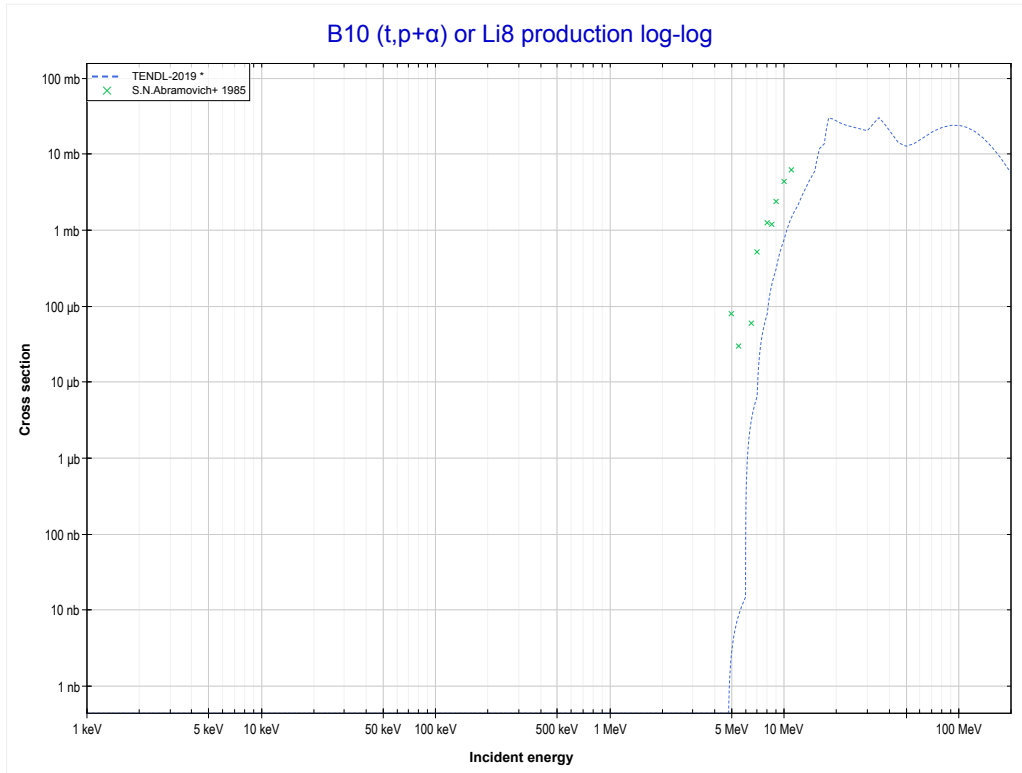
Reaction	Q-Value	Reaction	Q-Value
Be9(t,t+2α)n	-1572.70 keV	Be9(t,2n+2p+t+α)n	-29868.36 keV
Be9(t,n+d+2α)n	-7829.93 keV	Be9(t,3n+p+He3+α)n	-30632.11 keV
Be9(t,2n+p+2α)n	-10054.49 keV	Be9(t,n+3d+α)n	-31676.46 keV
Be9(t,p+2t+α)n	-21386.56 keV	Be9(t,2n+p+2d+α)n	-33901.02 keV
Be9(t,n+t+He3+α)n	-22150.32 keV	Be9(t,3n+2p+d+α)n	-36125.59 keV
Be9(t,2d+t+α)n	-25419.23 keV	Be9(t,4n+3p+α)n	-38350.15 keV
Be9(t,n+p+d+t+α)n	-27643.79 keV	Be9(t,d+2t+He3)n	-39739.62 keV
Be9(t,2n+d+He3+α)n	-28407.55 keV	Be9(t,2p+3t)n	-41200.43 keV

	4-Be-9	
<< MT35 (t,n+d+2α)	MT113 (t,t+2α) or MT5 (n production)	5-B-10 MT112 (t,p+α) >>



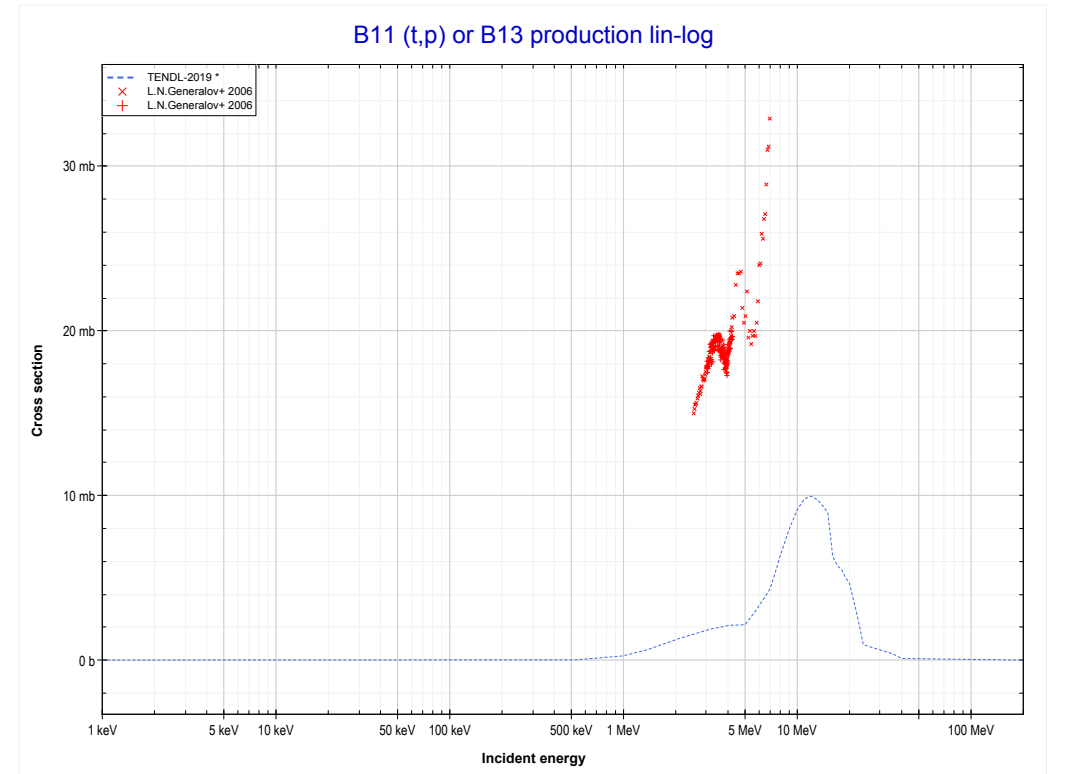
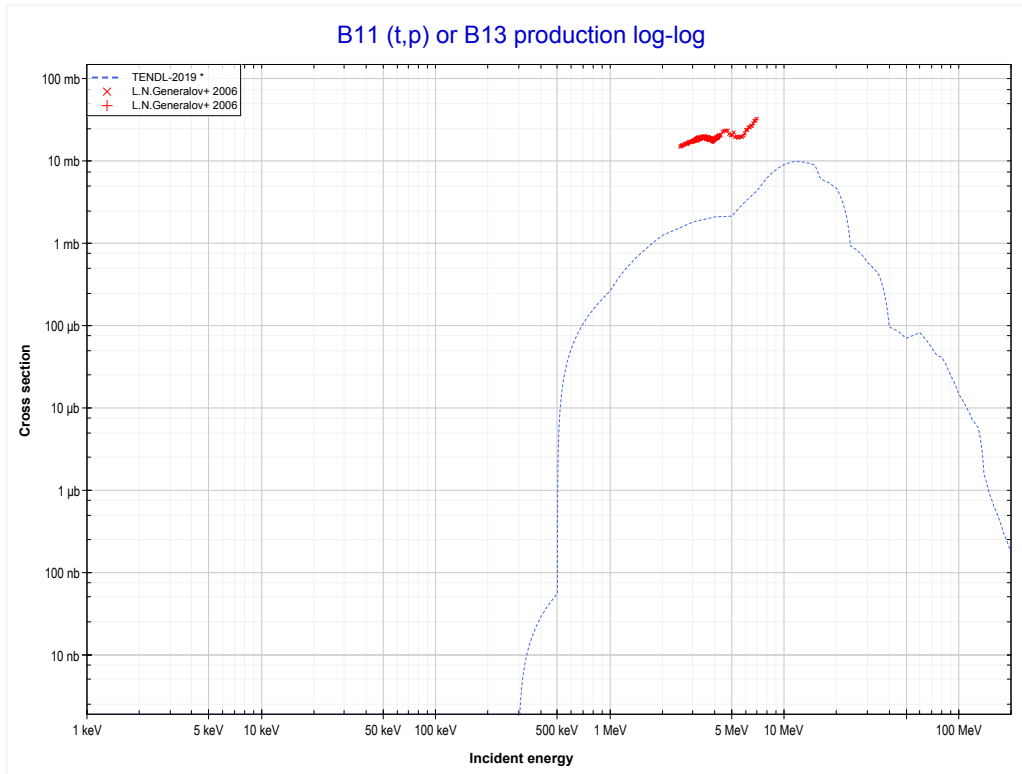
Reaction	Q-Value	Reaction	Q-Value
Be9(t,t+2α)n	-1572.70 keV	Be9(t,2n+2p+t+α)n	-29868.36 keV
Be9(t,n+d+2α)n	-7829.93 keV	Be9(t,3n+p+He3+α)n	-30632.11 keV
Be9(t,2n+p+2α)n	-10054.49 keV	Be9(t,n+3d+α)n	-31676.46 keV
Be9(t,p+2t+α)n	-21386.56 keV	Be9(t,2n+p+2d+α)n	-33901.02 keV
Be9(t,n+t+He3+α)n	-22150.32 keV	Be9(t,3n+2p+d+α)n	-36125.59 keV
Be9(t,2d+t+α)n	-25419.23 keV	Be9(t,4n+3p+α)n	-38350.15 keV
Be9(t,n+p+d+t+α)n	-27643.79 keV	Be9(t,d+2t+He3)n	-39739.62 keV
Be9(t,2n+d+He3+α)n	-28407.55 keV	Be9(t,2p+3t)n	-41200.43 keV

	5-B-10	
<< 4-Be-9 MT113 (t,t+2α)	MT112 (t,p+α) or MT5 (Li8 production)	5-B-11 MT103 (t,p) >>



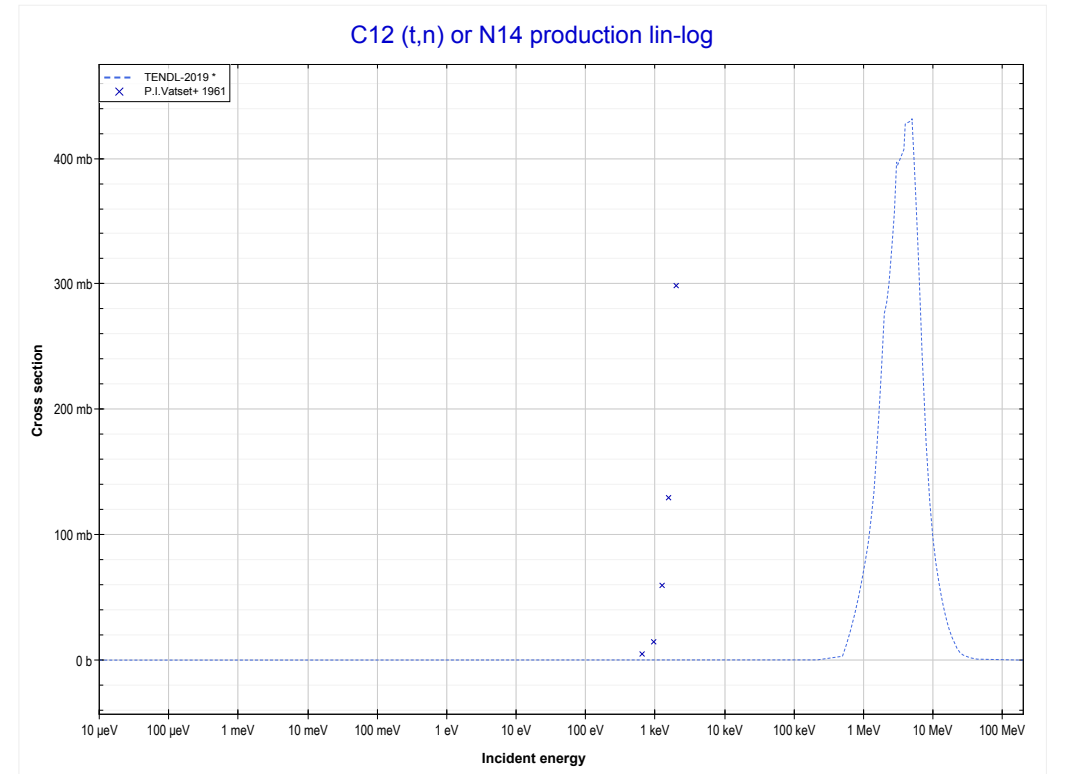
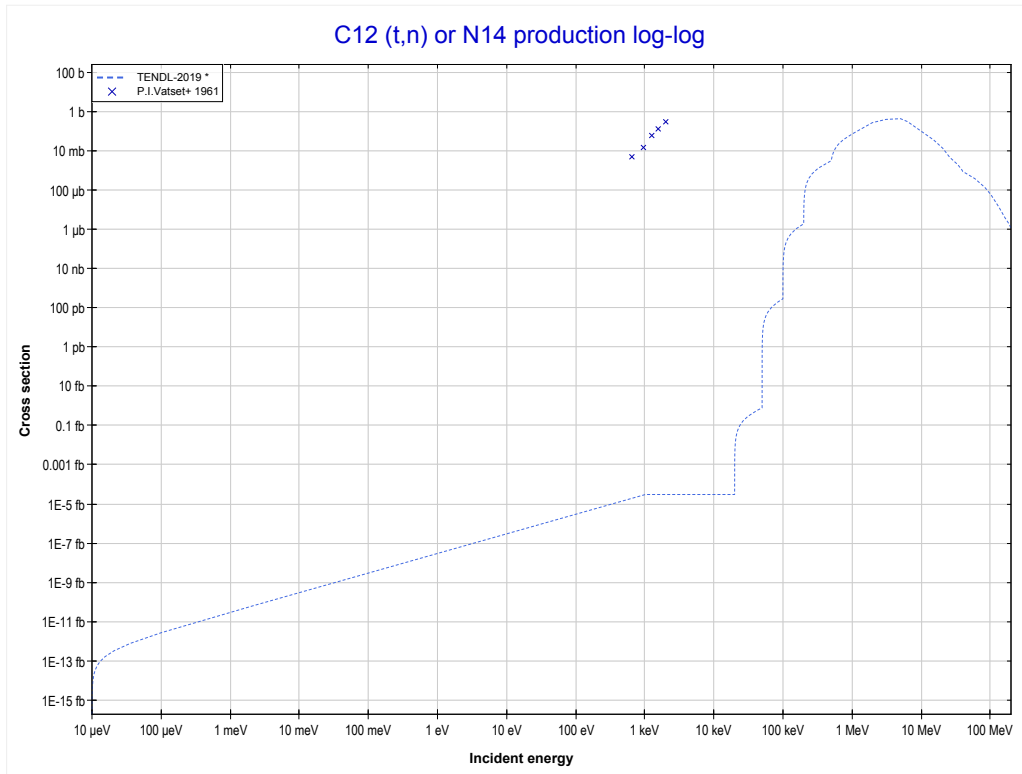
Reaction	Q-Value
B10(t,p+α)Li8	-3659.27 keV
B10(t,d+He3)Li8	-22012.32 keV
B10(t,2p+t)Li8	-23473.13 keV
B10(t,n+p+He3)Li8	-24236.89 keV
B10(t,p+2d)Li8	-27505.80 keV
B10(t,n+2p+d)Li8	-29730.36 keV
B10(t,2n+3p)Li8	-31954.93 keV

<< 3-Li-7	5-B-11	6-C-12 >>
<< 5-B-10 MT112 (t,p+α)	MT103 (t,p) or MT5 (B13 production)	6-C-12 MT4 (t,n) >>



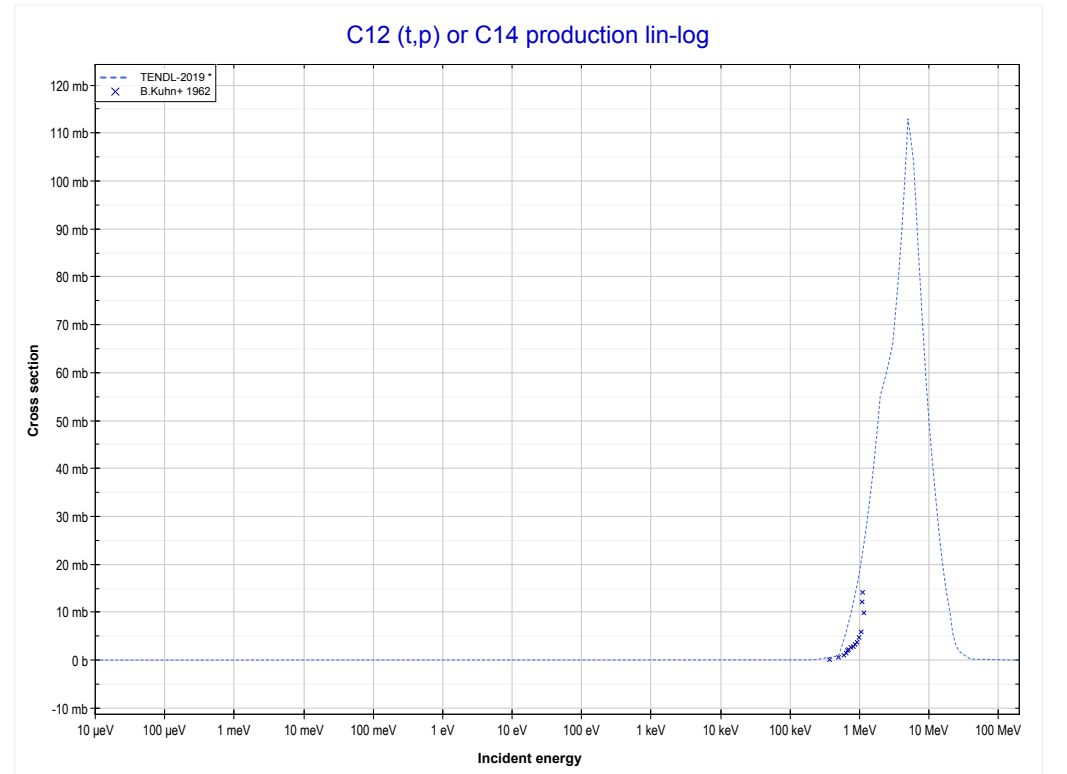
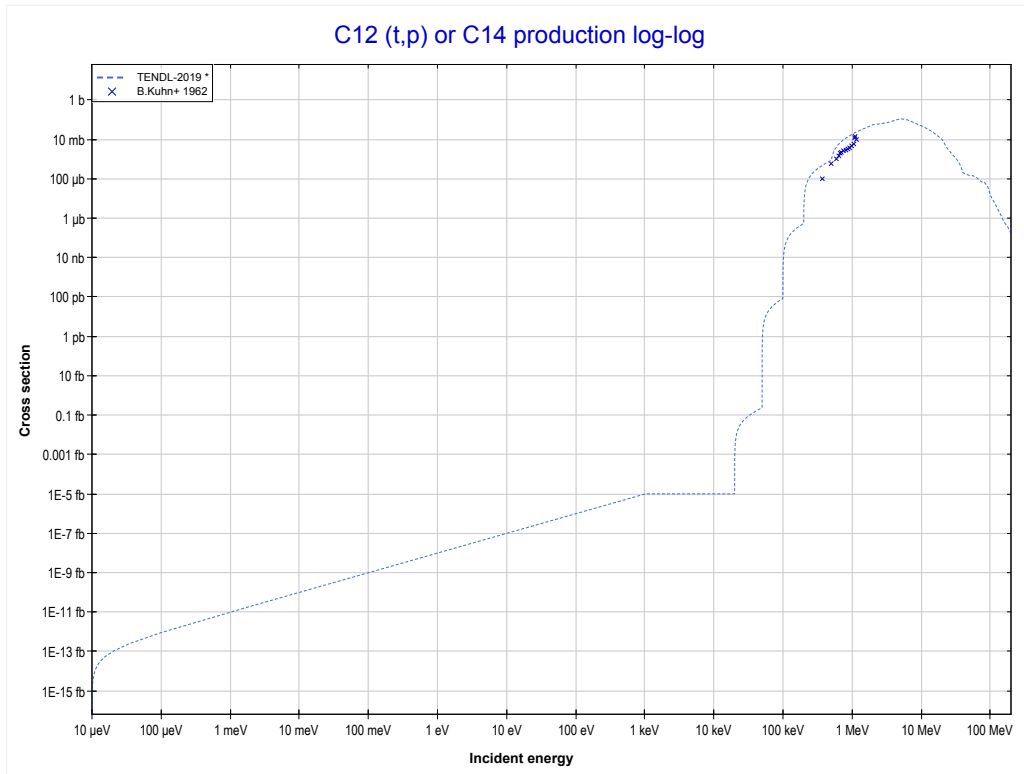
Reaction	Q-Value
B11(t,p)B13	-233.35 keV

<< 4-Be-9	6-C-12	8-O-16 >>
<< 5-B-11 MT103 (t,p)	MT4 (t,n) or MT5 (N14 production)	MT103 (t,p) >>



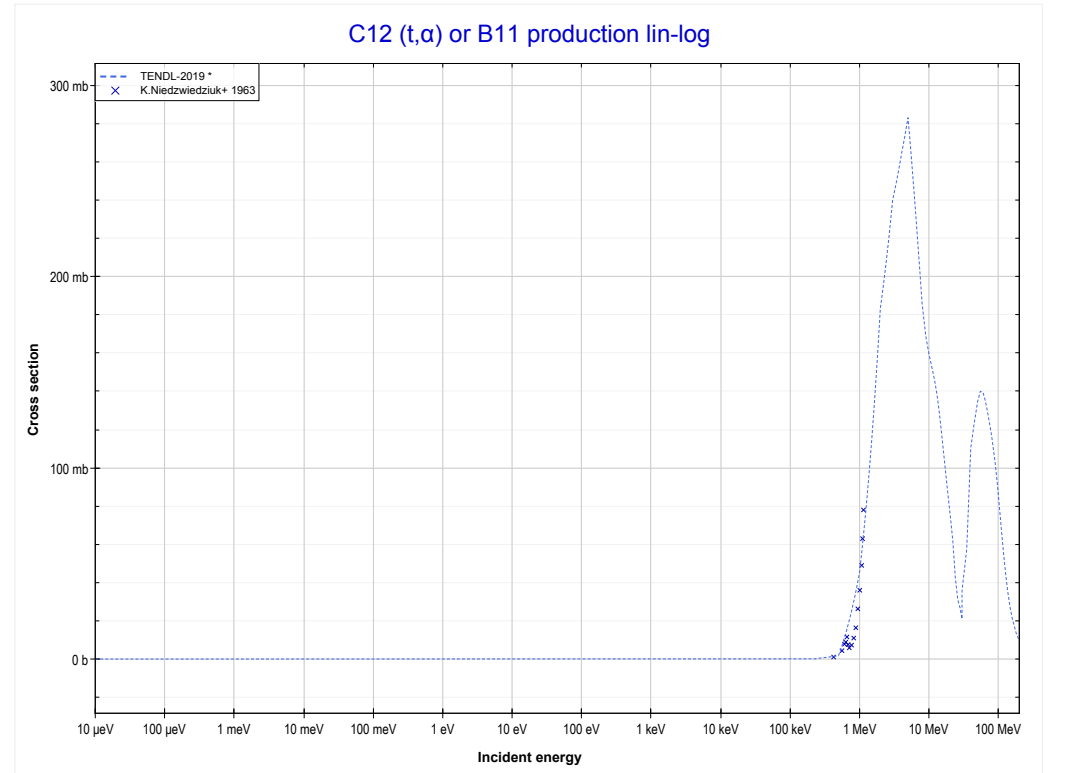
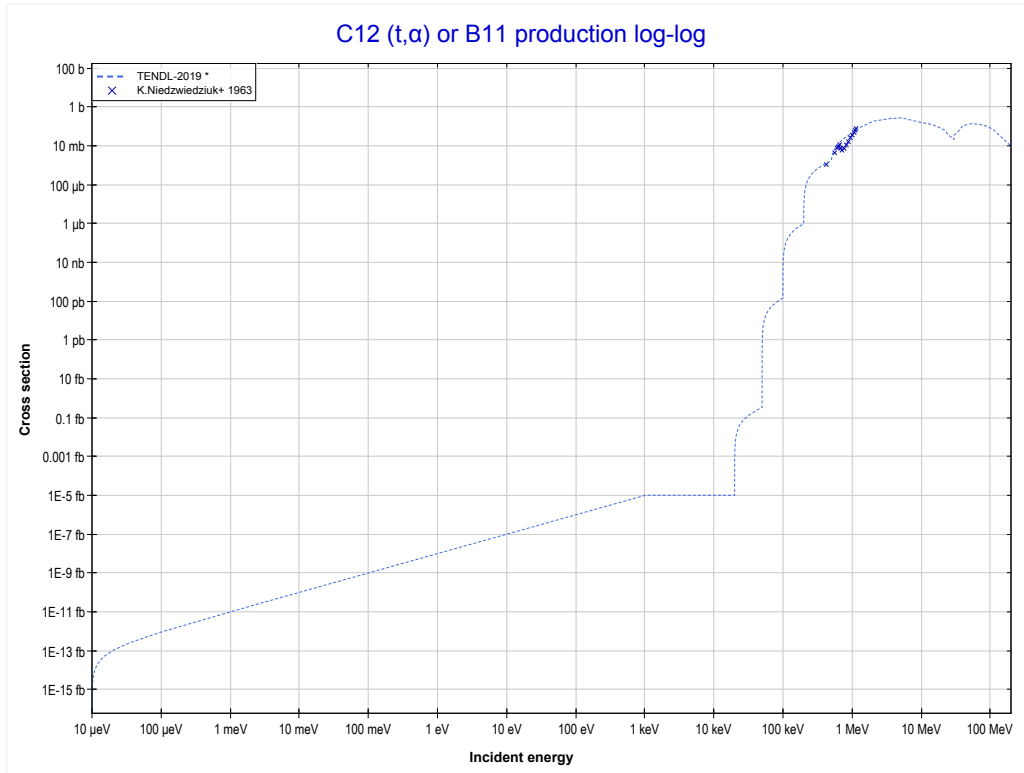
Reaction	Q-Value
C12(t,n)N14	4015.08 keV

<< 5-B-11	6-C-12	8-O-17 >>
<< MT4 (t,n)	MT103 (t,p) or MT5 (C14 production)	MT107 (t, α) >>



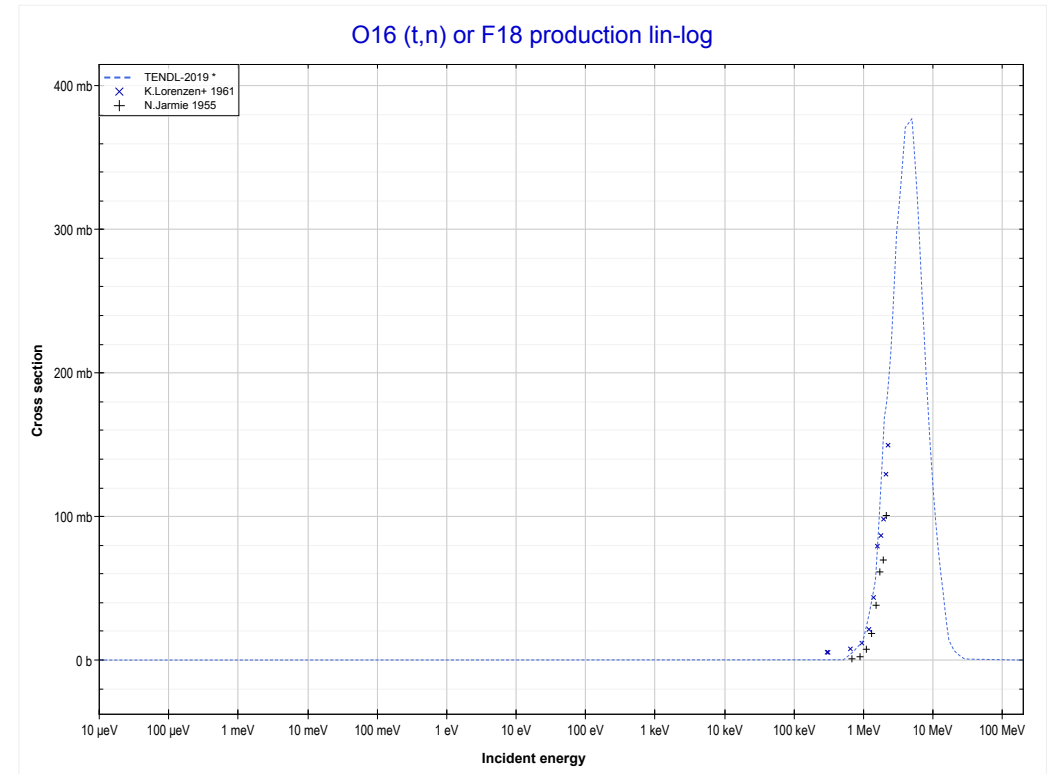
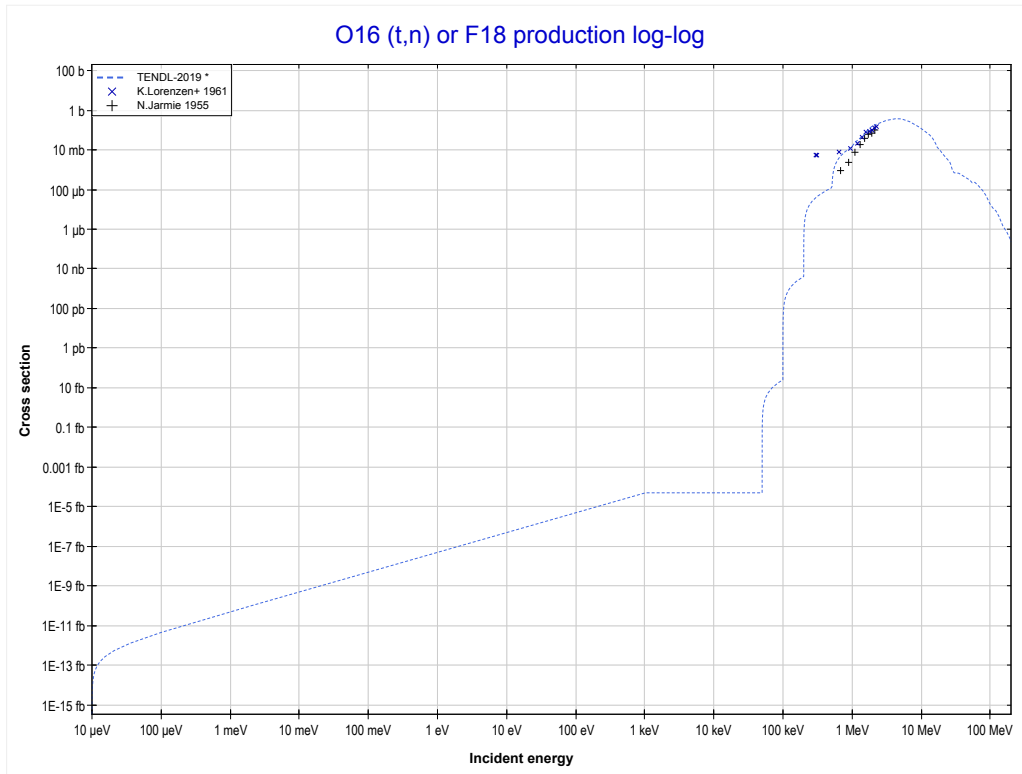
Reaction	Q-Value
C12(t,p)C14	4640.95 keV

	6-C-12	22-Ti-48 >>
<< MT103 (t,p)	MT107 (t,α) or MT5 (B11 production)	8-O-16 MT4 (t,n) >>



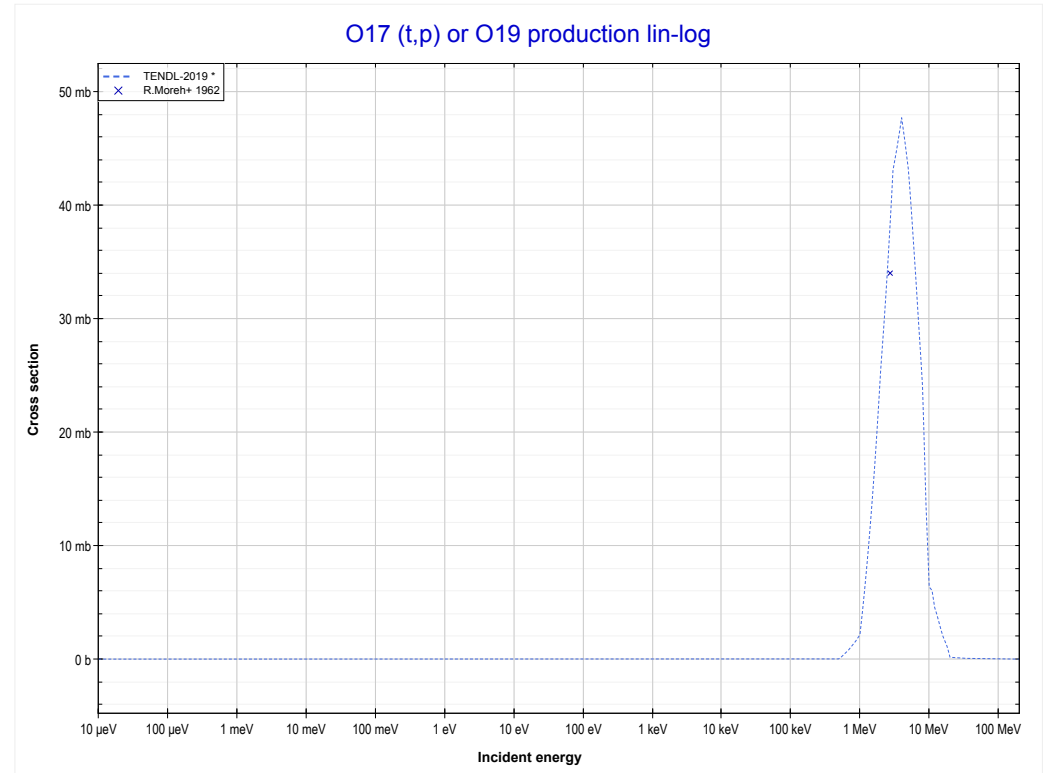
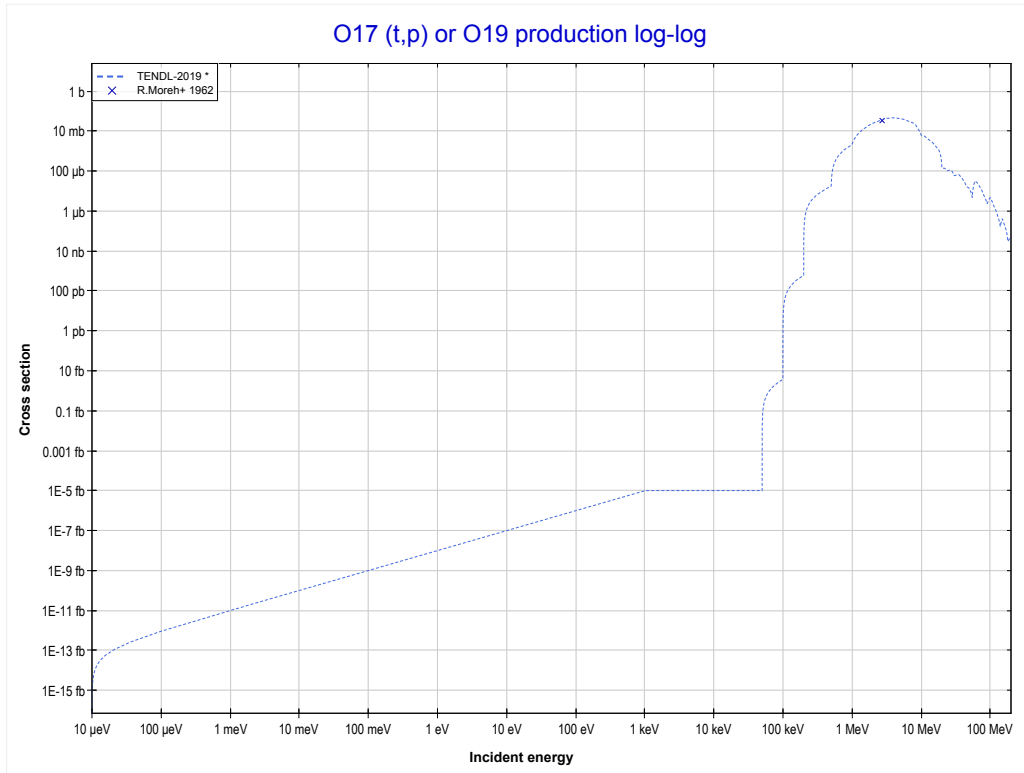
Reaction	Q-Value
C12(t, α)B11	3857.19 keV
C12(t,p+t)B11	-15956.68 keV
C12(t,n+He3)B11	-16720.43 keV
C12(t,2d)B11	-19989.34 keV
C12(t,n+p+d)B11	-22213.91 keV
C12(t,2n+2p)B11	-24438.47 keV

<< 6-C-12	8-O-16	
<< 6-C-12 MT107 (t, α)	MT4 (t,n) or MT5 (F18 production)	8-O-17 MT103 (t,p) >>



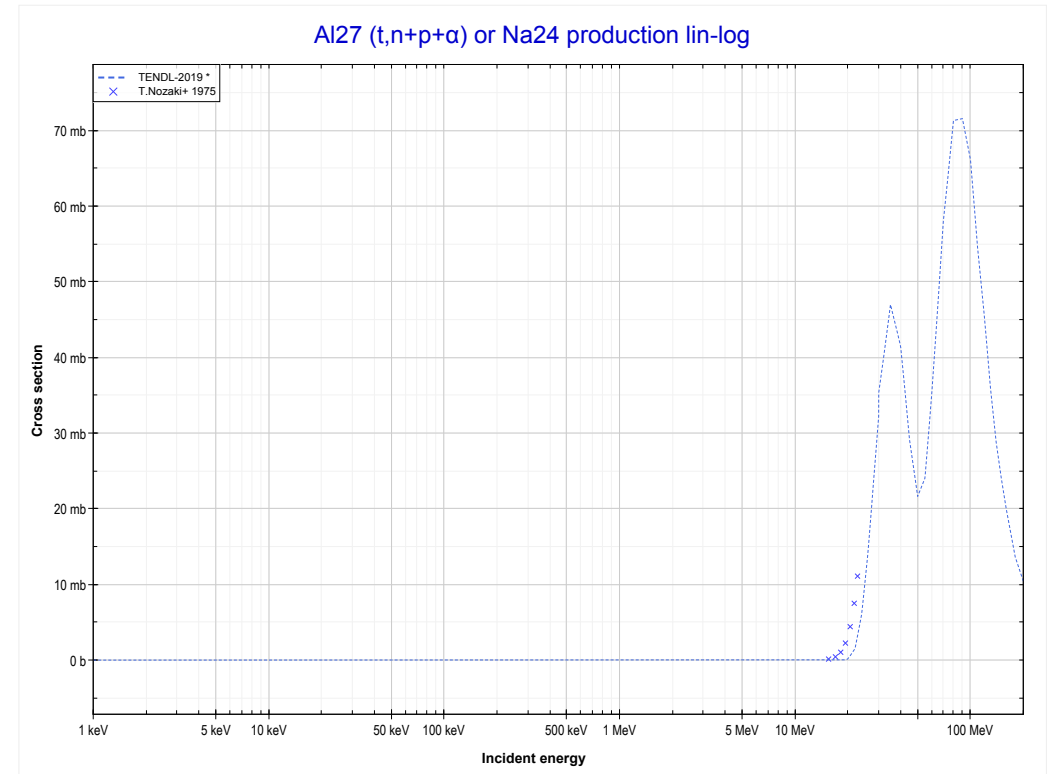
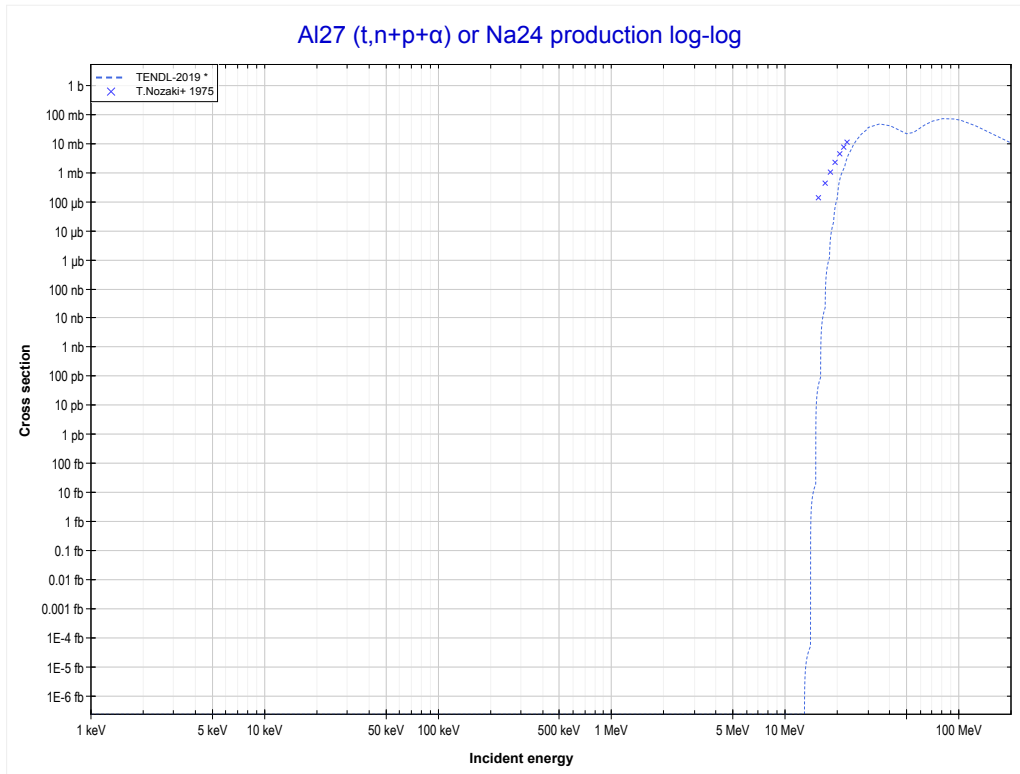
Reaction	Q-Value
O16(t,n)F18	1268.39 keV

<< 6-C-12	8-O-17	
<< 8-O-16 MT4 (t,n)	MT103 (t,p) or MT5 (O19 production)	13-Al-27 MT45 (t,n+p+α) >>



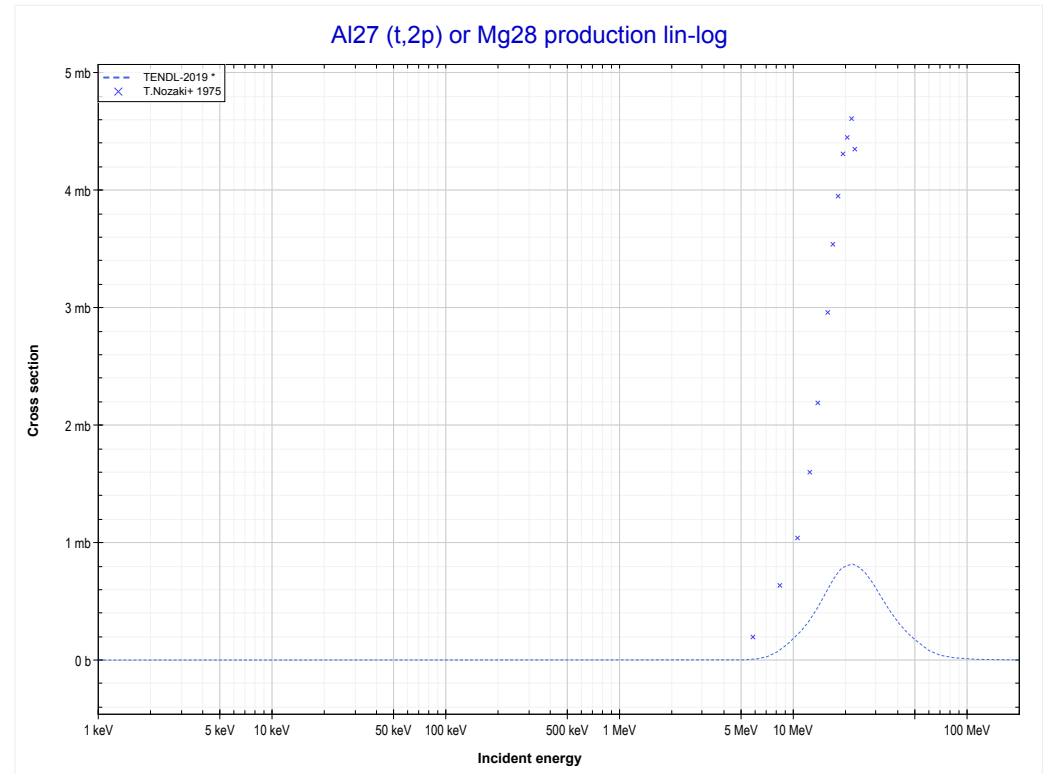
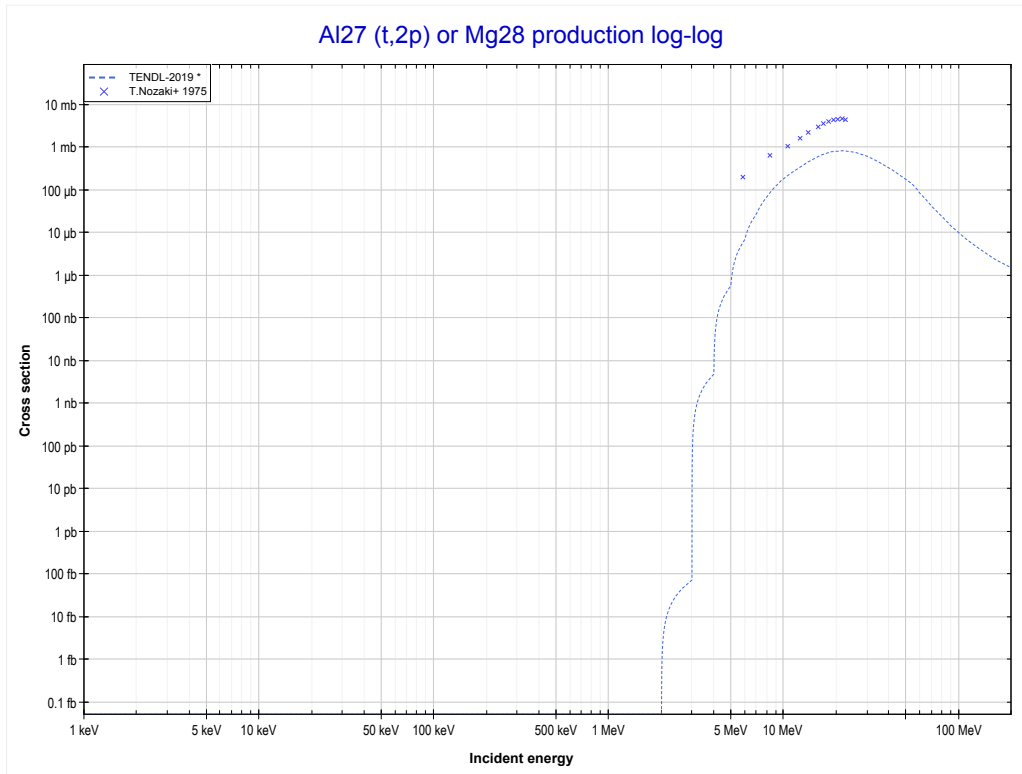
Reaction	Q-Value
O17(t,p)O19	3519.18 keV

	13-Al-27	
<< 8-O-17 MT103 (t,p)	MT45 (t,n+p+α) or MT5 (Na24 production)	MT111 (t,2p) >>



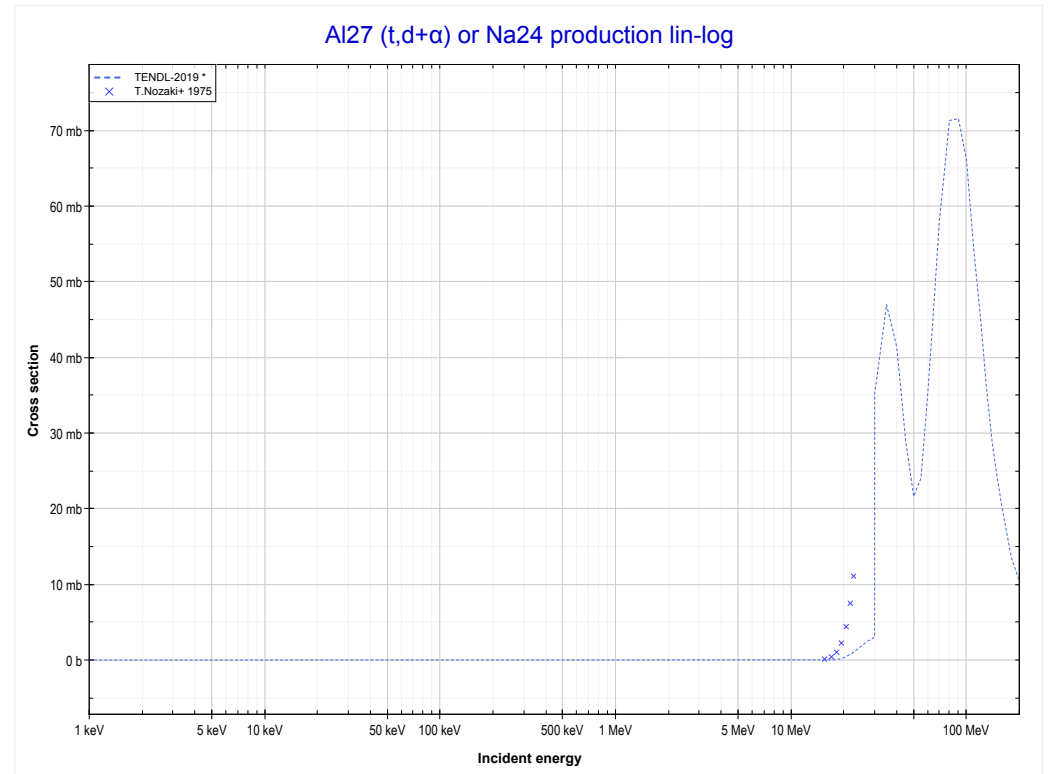
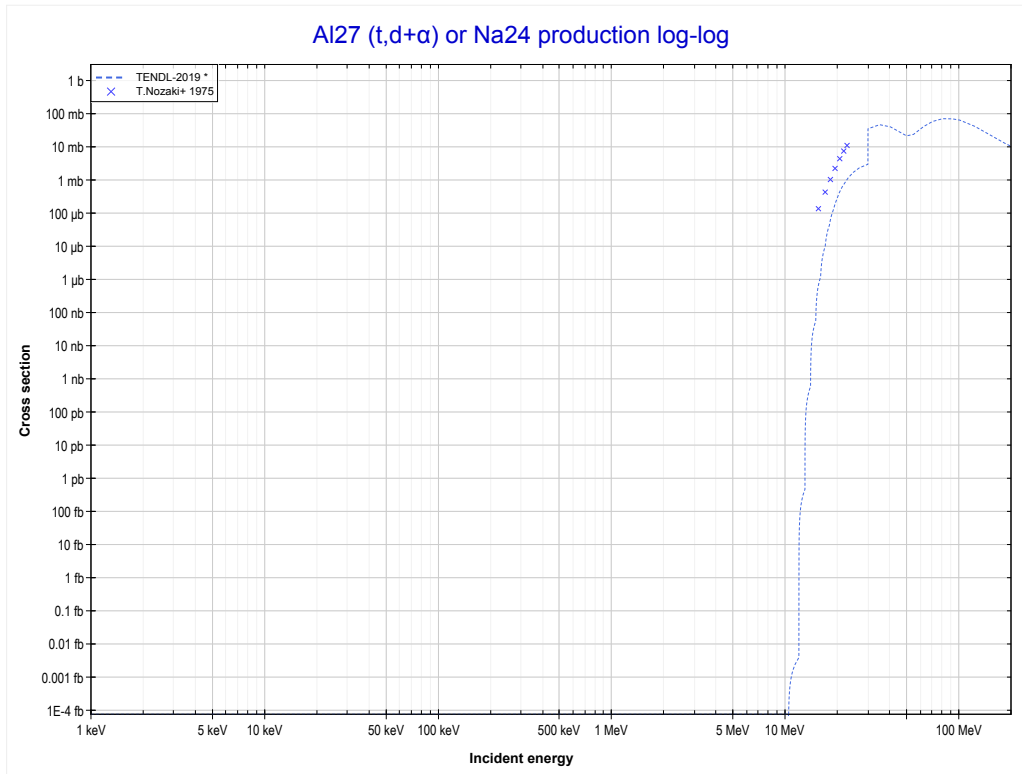
Reaction	Q-Value	Reaction	Q-Value
Al27(t,d+α)Na24	-9389.79 keV	Al27(t,n+p+2d)Na24	-35460.88 keV
Al27(t,n+p+α)Na24	-11614.35 keV	Al27(t,2n+2p+d)Na24	-37685.45 keV
Al27(t,t+He3)Na24	-23710.18 keV	Al27(t,3n+3p)Na24	-39910.01 keV
Al27(t,p+d+t)Na24	-29203.65 keV		
Al27(t,n+d+He3)Na24	-29967.41 keV		
Al27(t,n+2p+t)Na24	-31428.22 keV		
Al27(t,2n+p+He3)Na24	-32191.97 keV		
Al27(t,3d)Na24	-33236.31 keV		

	13-AI-27	
<< MT45 (t,n+p+α)	MT111 (t,2p) or MT5 (Mg28 production)	MT117 (t,d+α) >>



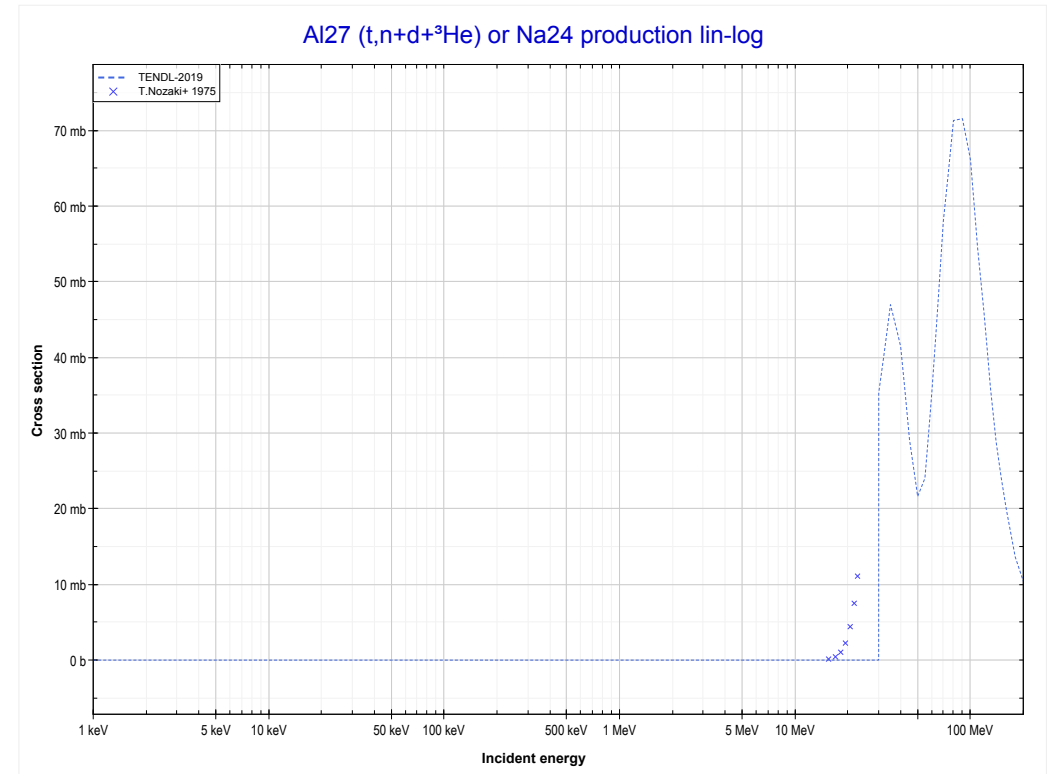
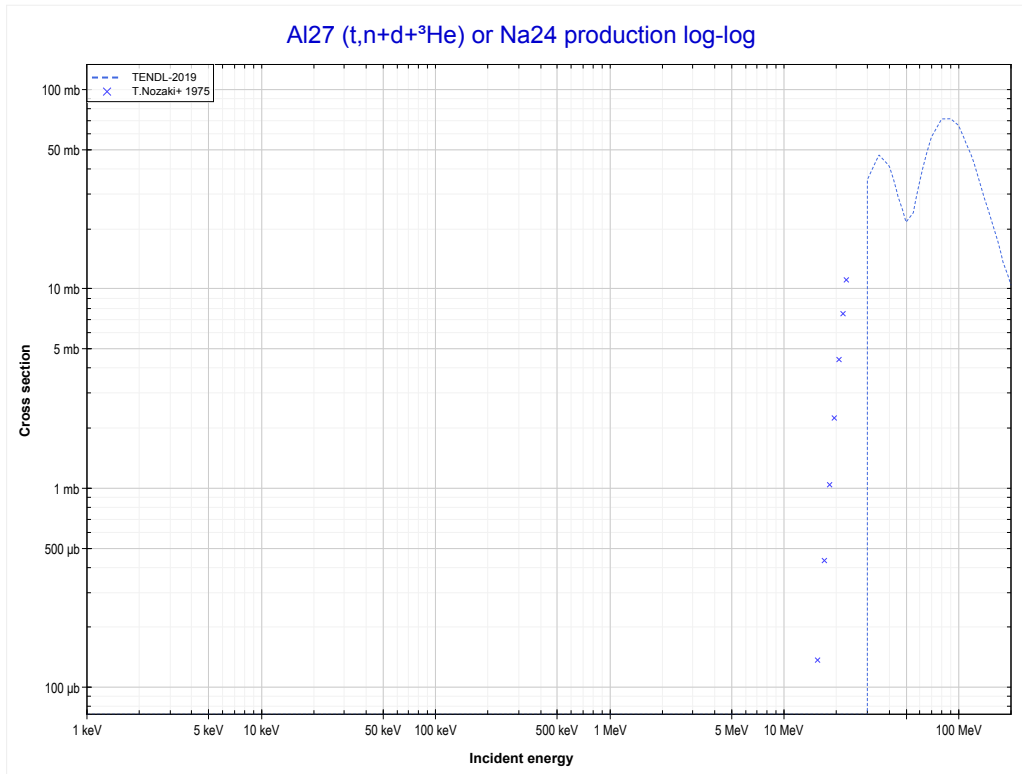
Reaction	Q-Value
Al27(t,2p)Mg28	-1806.19 keV

	13-Al-27	
<< MT111 (t,2p)	MT117 (t,d+α) or MT5 (Na24 production)	MT187 (t,n+d+ ^3He) >>



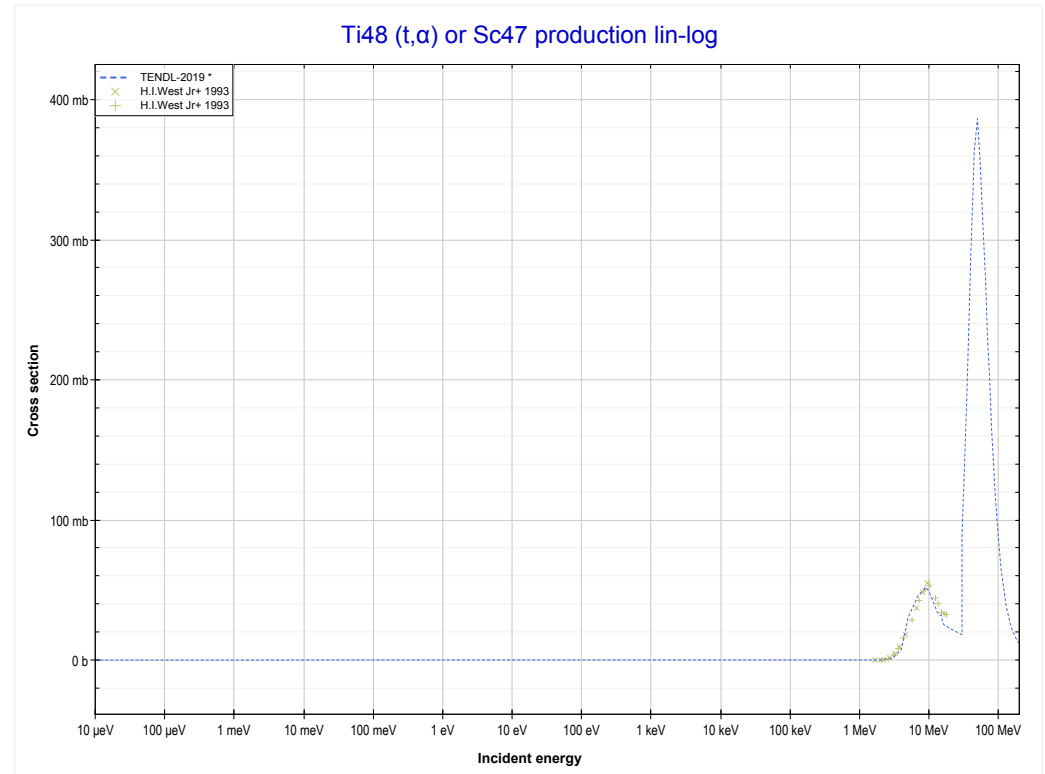
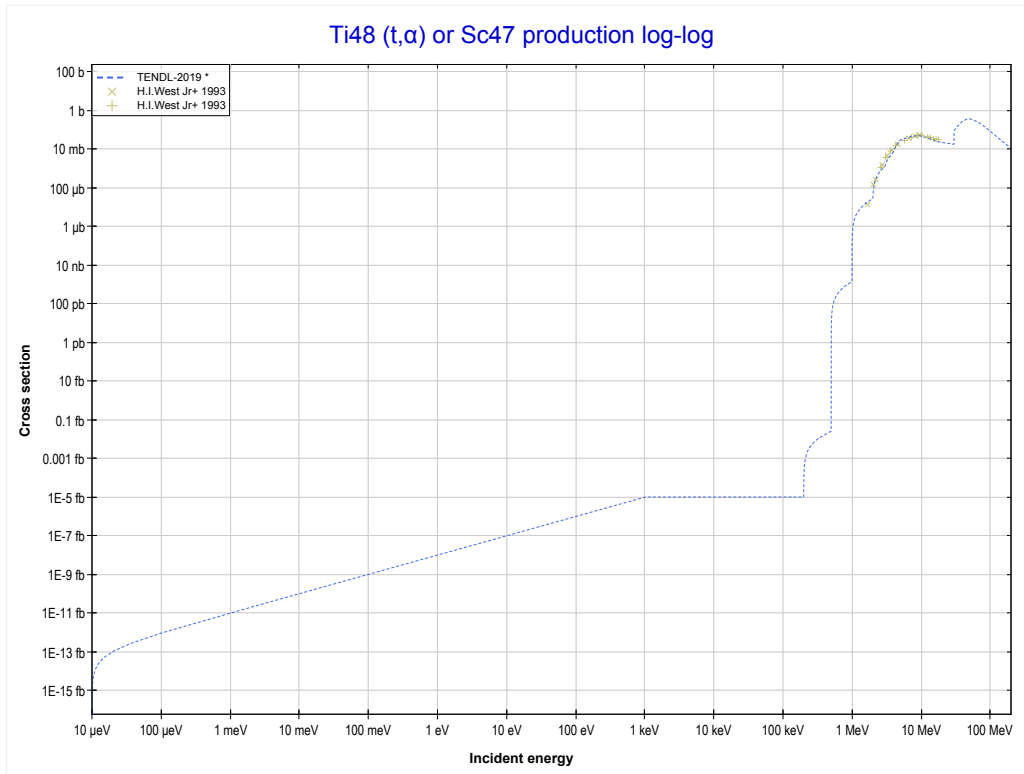
Reaction	Q-Value	Reaction	Q-Value
Al27(t,d+ α)Na24	-9389.79 keV	Al27(t,n+p+2d)Na24	-35460.88 keV
Al27(t,n+p+ α)Na24	-11614.35 keV	Al27(t,2n+2p+d)Na24	-37685.45 keV
Al27(t,t+He3)Na24	-23710.18 keV	Al27(t,3n+3p)Na24	-39910.01 keV
Al27(t,p+d+t)Na24	-29203.65 keV		
Al27(t,n+d+He3)Na24	-29967.41 keV		
Al27(t,n+2p+t)Na24	-31428.22 keV		
Al27(t,2n+p+He3)Na24	-32191.97 keV		
Al27(t,3d)Na24	-33236.31 keV		

	13-Al-27	
<< MT117 (t,d+ α)	MT187 (t,n+d+^3He) or MT5 (Na24 production)	22-Ti-48 MT107 (t, α) >>



Reaction	Q-Value	Reaction	Q-Value
Al27(t,d+ α)Na24	-9389.79 keV	Al27(t,n+p+2d)Na24	-35460.88 keV
Al27(t,n+p+ α)Na24	-11614.35 keV	Al27(t,2n+2p+d)Na24	-37685.45 keV
Al27(t,t+He3)Na24	-23710.18 keV	Al27(t,3n+3p)Na24	-39910.01 keV
Al27(t,p+d+t)Na24	-29203.65 keV		
Al27(t,n+d+He3)Na24	-29967.41 keV		
Al27(t,n+2p+t)Na24	-31428.22 keV		
Al27(t,2n+p+He3)Na24	-32191.97 keV		
Al27(t,3d)Na24	-33236.31 keV		

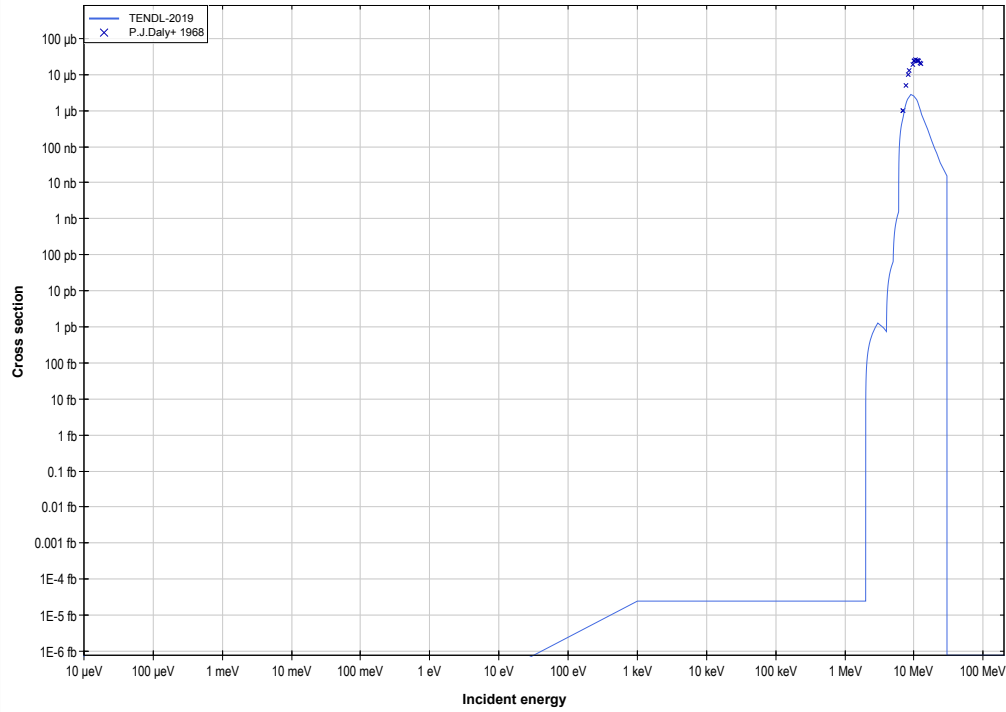
<< 6-C-12	22-Ti-48	
<< 13-Al-27 MT187 (t,n+d+ ³ He)	MT107 (t,α) or MT5 (Sc47 production)	56-Ba-138 MT102 (t, γ) >>



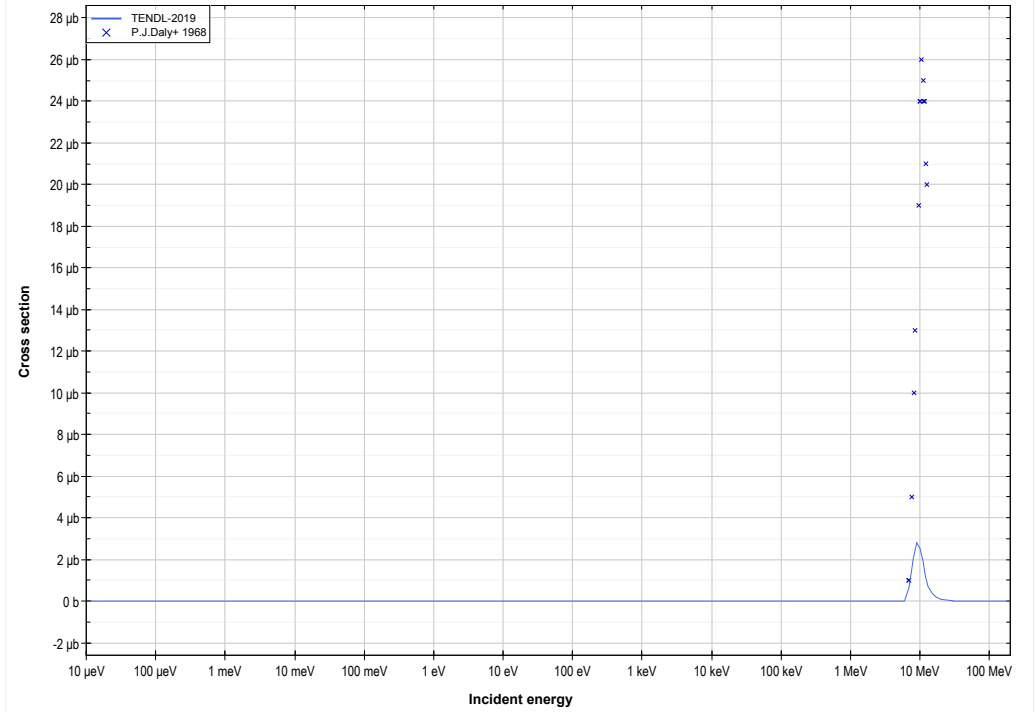
Reaction	Q-Value
Ti48(t, α)Sc47	8368.78 keV
Ti48(t,p+t)Sc47	-11445.08 keV
Ti48(t,n+He3)Sc47	-12208.84 keV
Ti48(t,2d)Sc47	-15477.74 keV
Ti48(t,n+p+d)Sc47	-17702.31 keV
Ti48(t,2n+2p)Sc47	-19926.88 keV

	56-Ba-138	
<< 22-Ti-48 MT107 (t, α)	MT102 (t,γ) or MT5 (La141 production)	79-Au-197 MT104 (t,d) >>

Ba138 (t, γ) or La141 production log-log

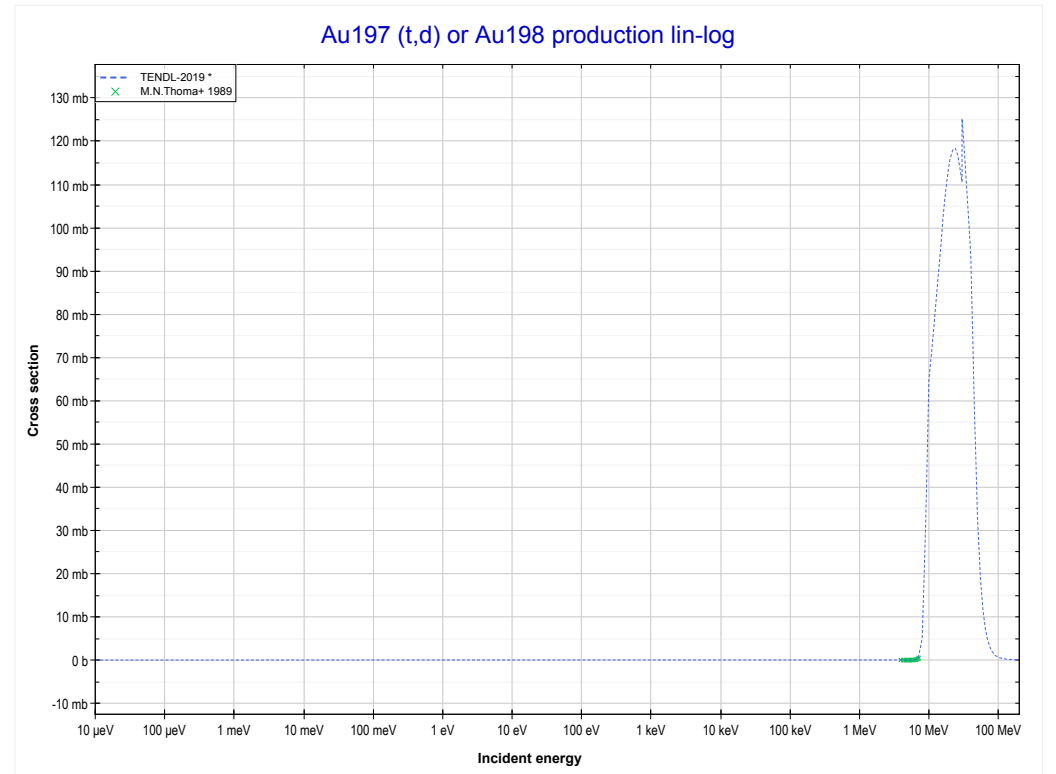
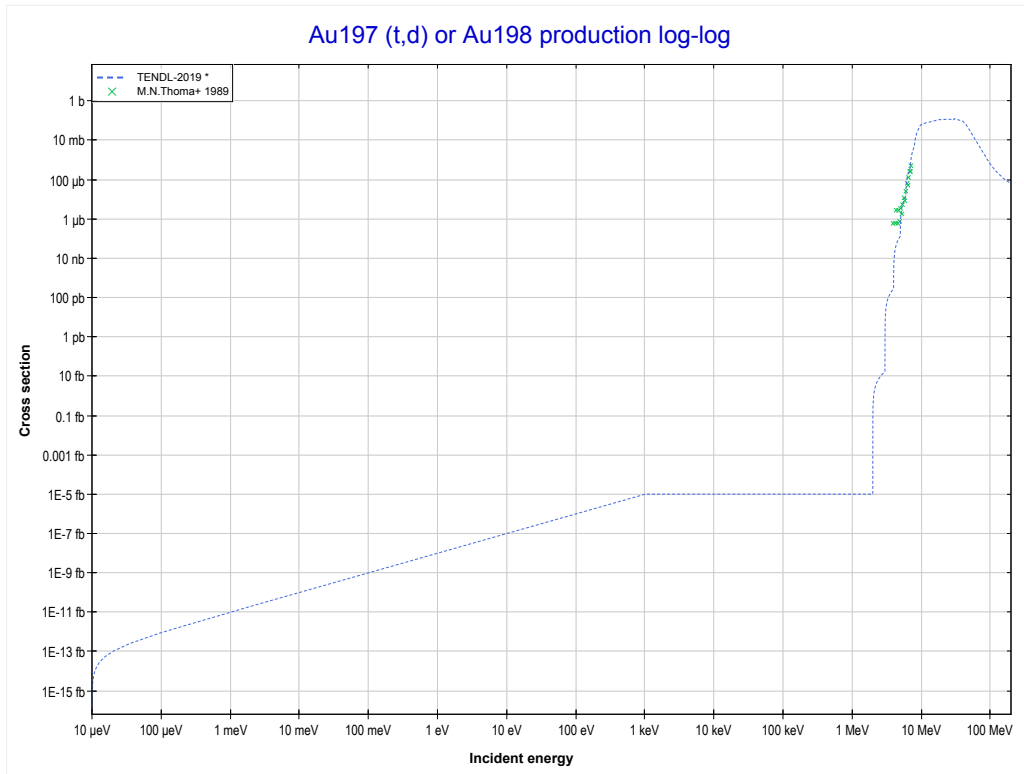


Ba138 (t, γ) or La141 production lin-log



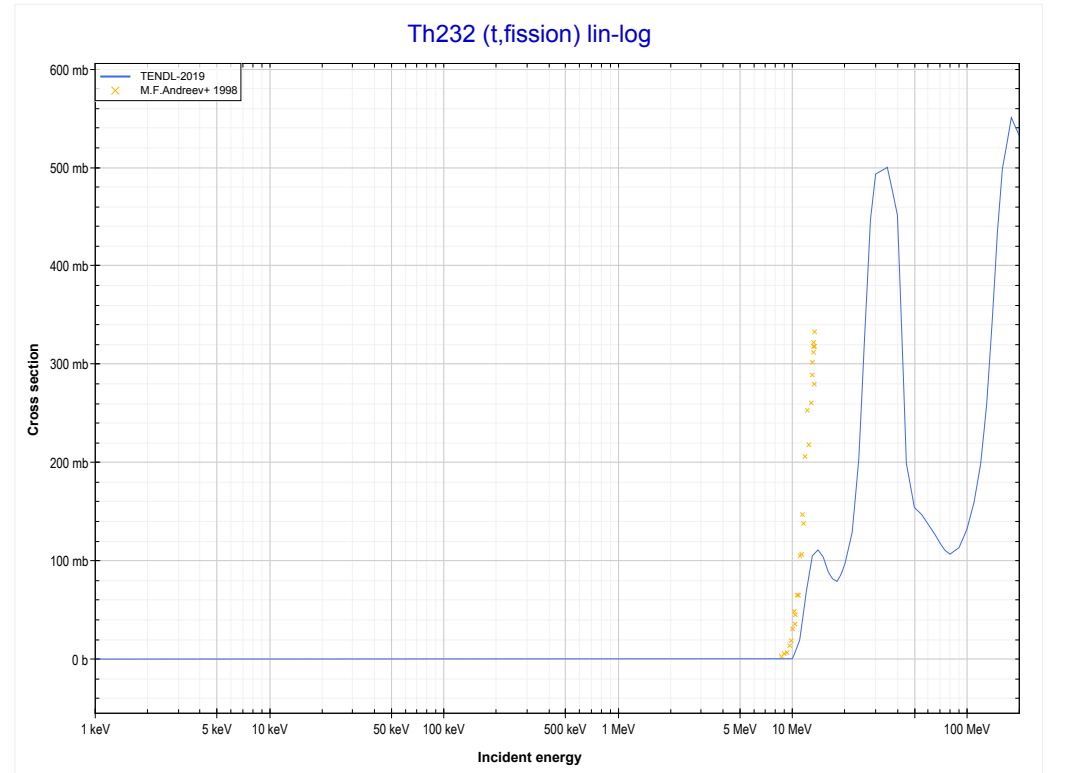
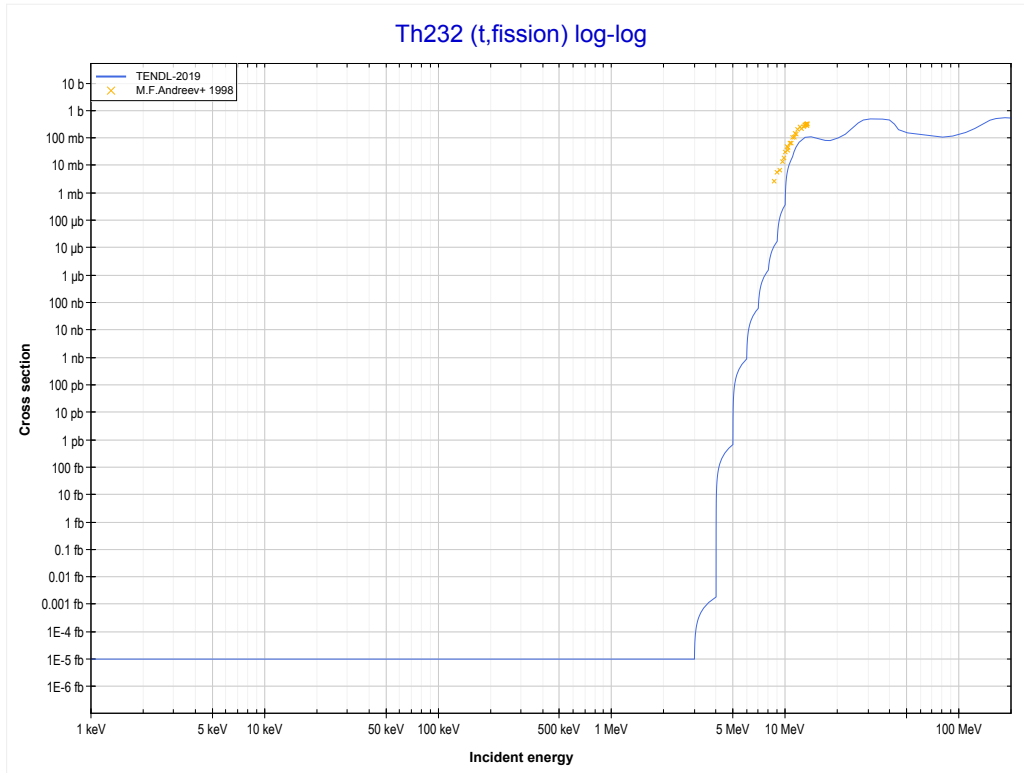
Reaction	Q-Value
Ba138(t, γ)La141	9620.21 keV

<< 3-Li-7	79-Au-197	
<< 56-Ba-138 MT102 (t,y)	MT104 (t,d) or MT5 (Au198 production)	90-Th-232 MT18 (t,fission) >>

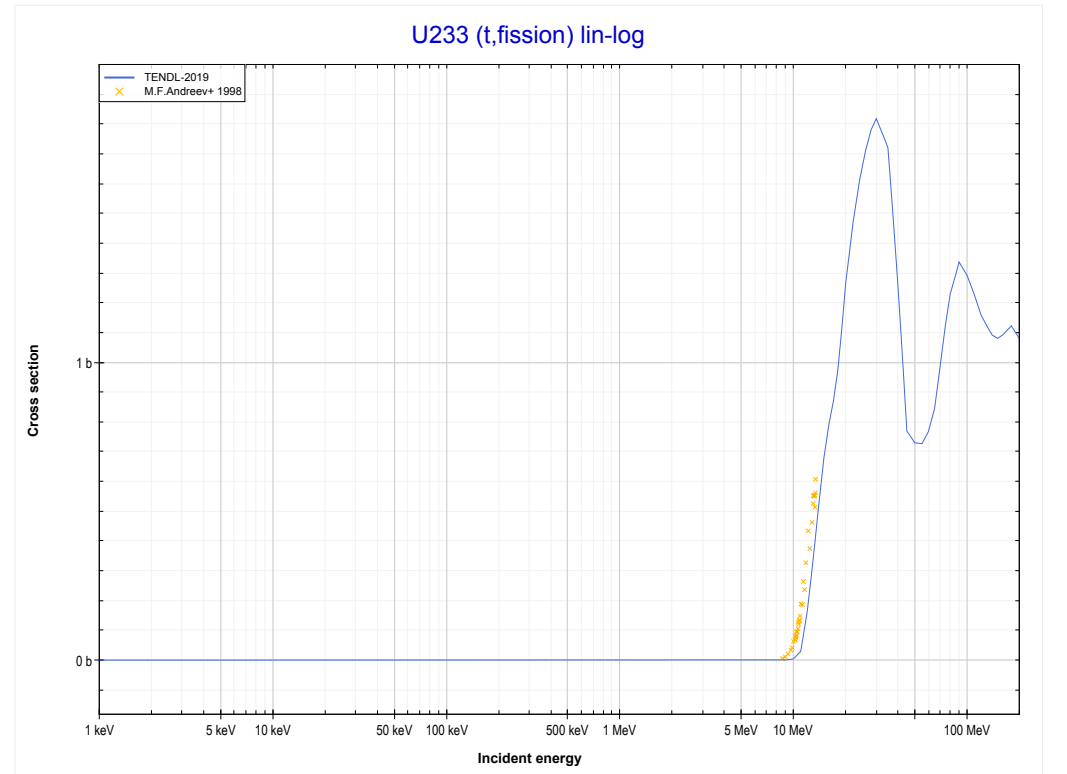
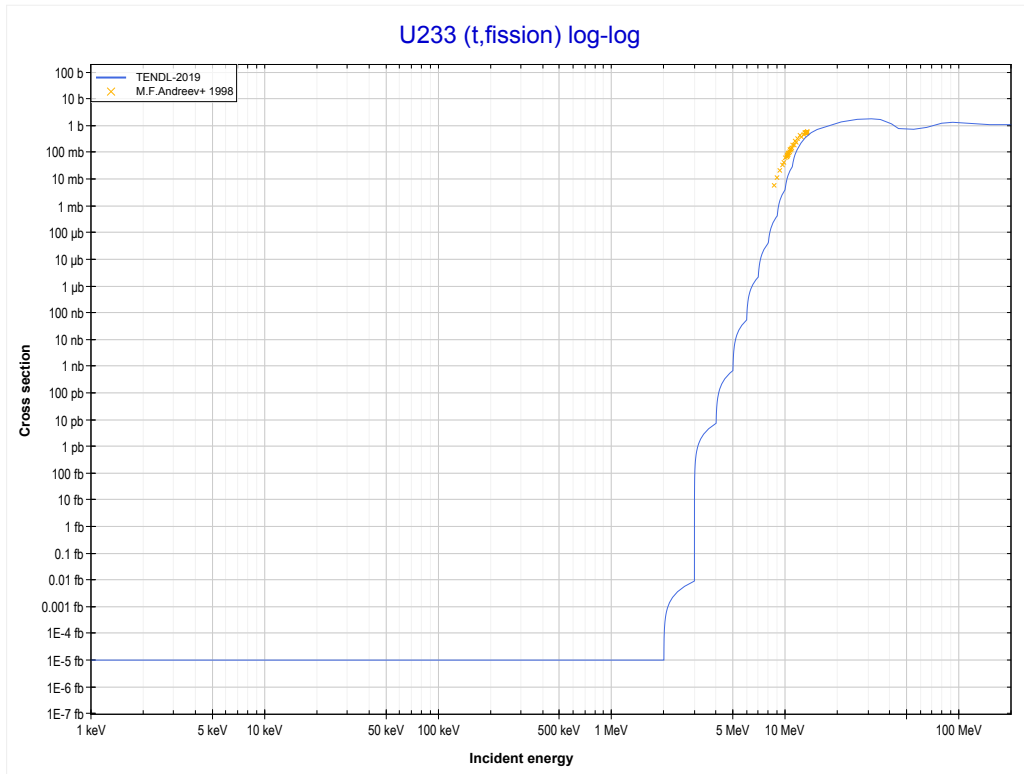


Reaction	Q-Value
Au197(t,d)Au198	255.19 keV
Au197(t,n+p)Au198	-1969.38 keV

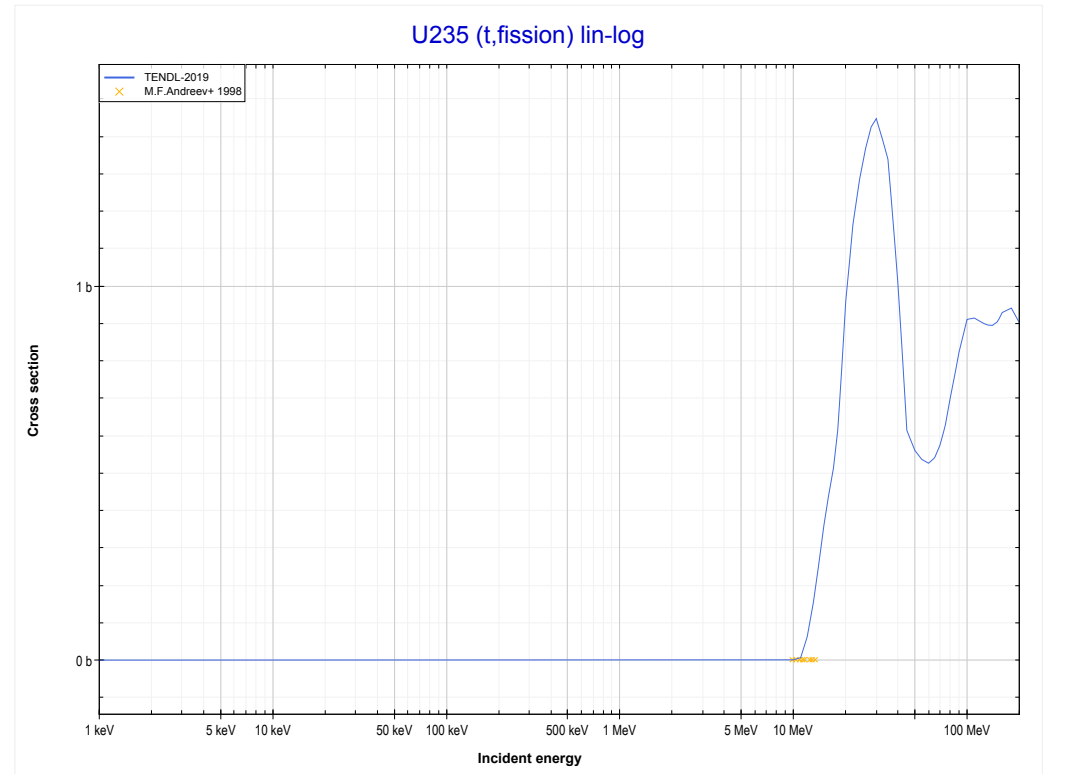
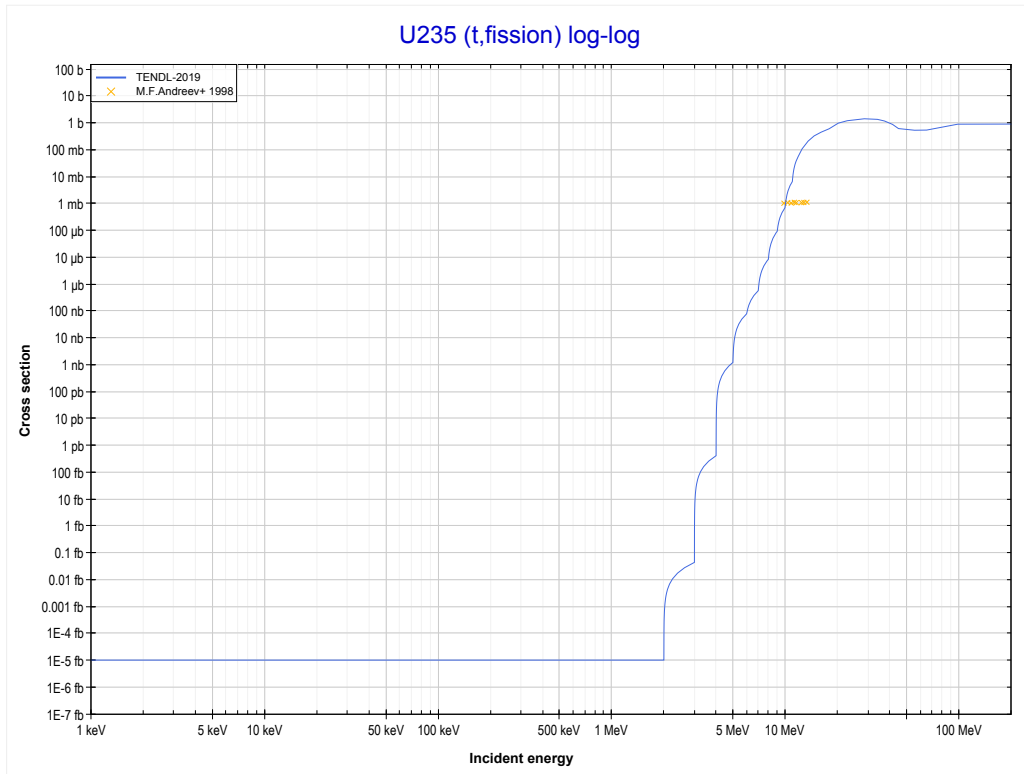
	90-Th-232	92-U-233 >>
<< 79-Au-197 MT104 (t,d)	MT18 (t,fission)	92-U-233 MT18 (t,fission) >>



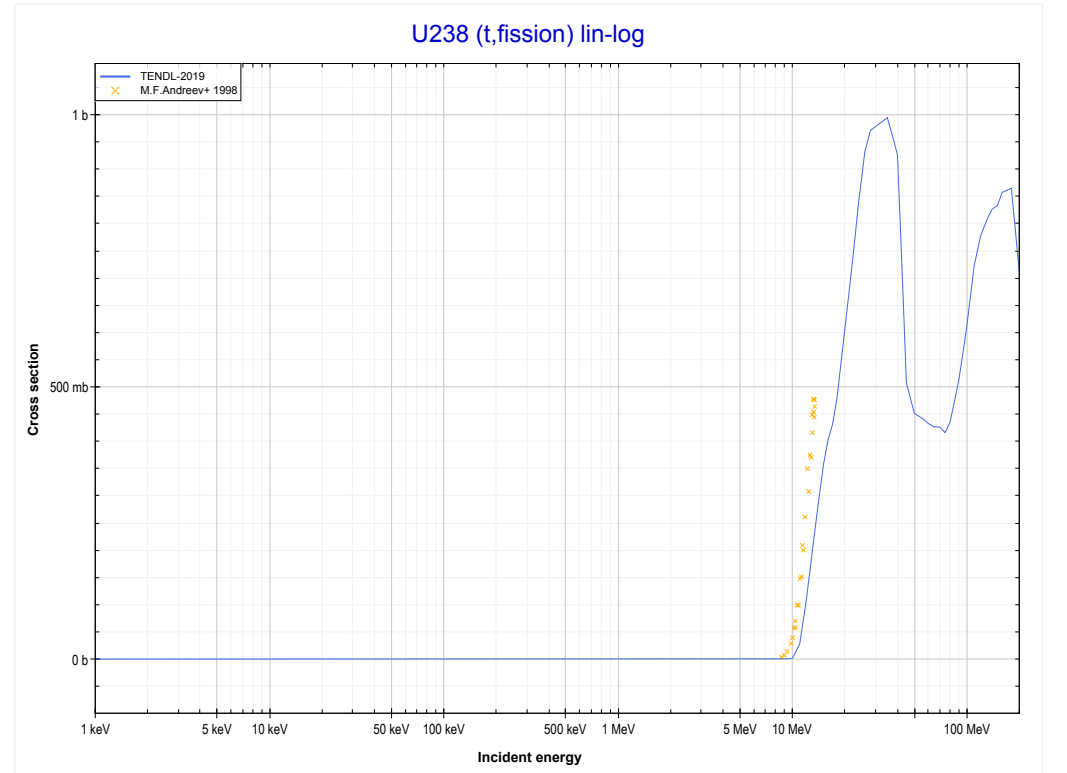
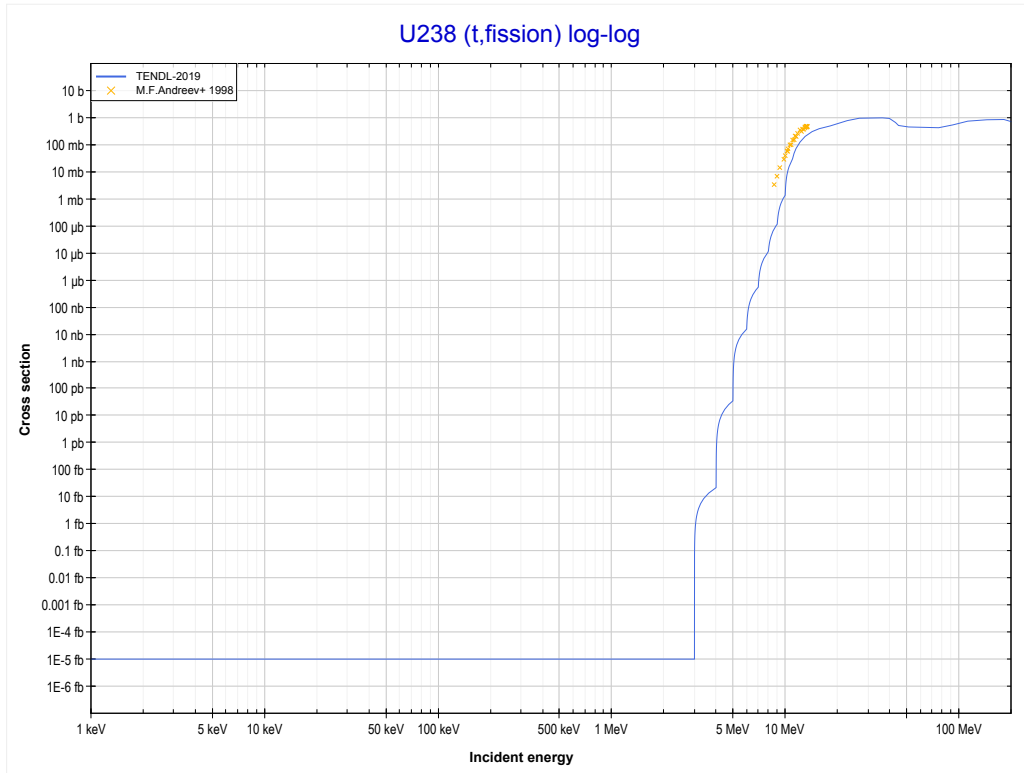
<< 90-Th-232	92-U-233	92-U-235 >>
<< 90-Th-232 MT18 (t,fission)	MT18 (t,fission)	92-U-235 MT18 (t,fission) >>



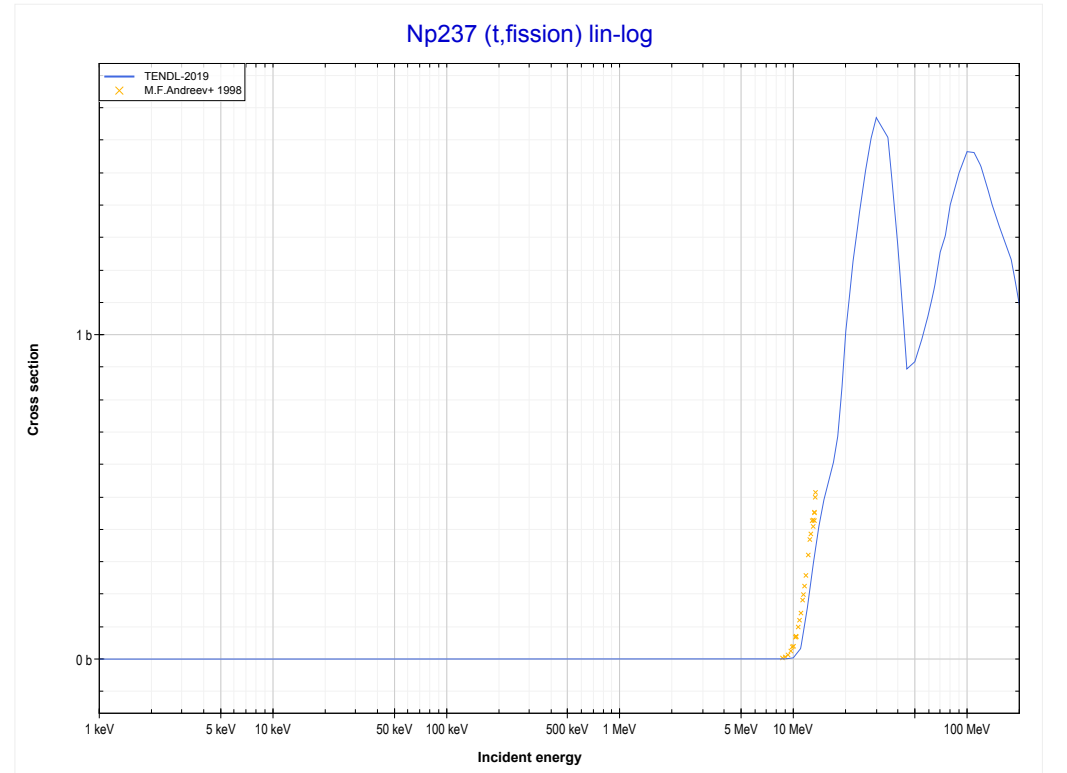
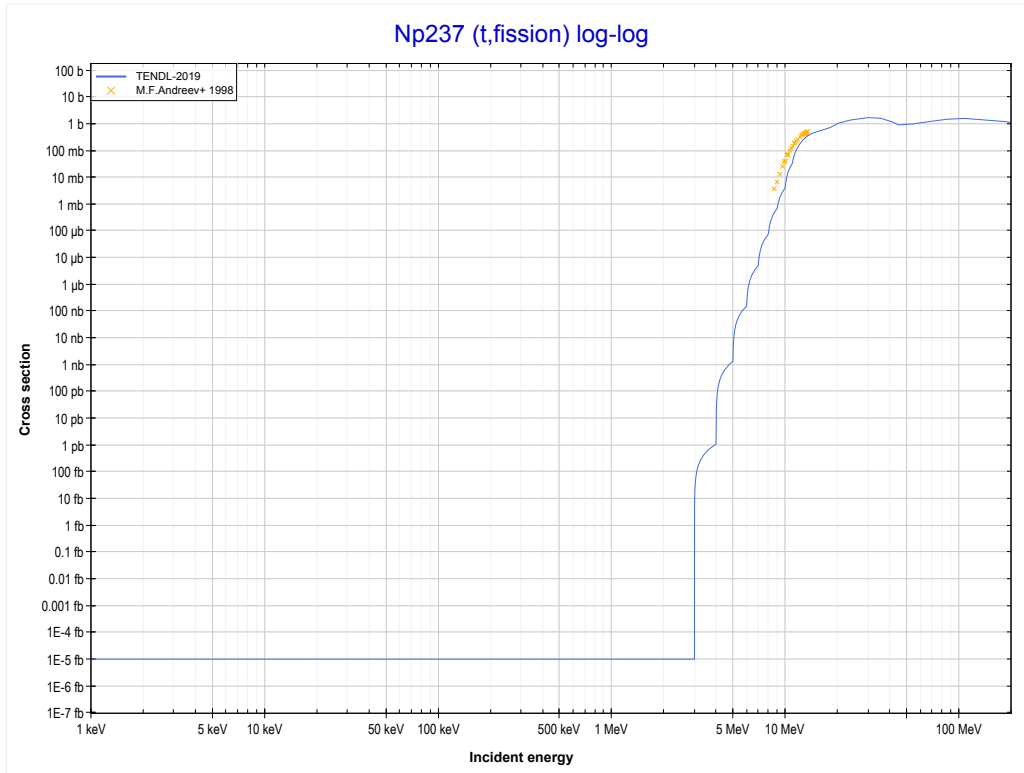
<< 92-U-233	92-U-235	92-U-238 >>
<< 92-U-233 MT18 (t,fission)	MT18 (t,fission)	92-U-238 MT18 (t,fission) >>



<< 92-U-235	92-U-238	93-Np-237 >>
<< 92-U-235 MT18 (t,fission)	MT18 (t,fission)	93-Np-237 MT18 (t,fission) >>



<< 92-U-238	93-Np-237	95-Am-243 >>
<< 92-U-238 MT18 (t,fission)	MT18 (t,fission)	95-Am-243 MT18 (t,fission) >>



<< 93-Np-237	95-Am-243	
<< 93-Np-237 MT18 (t,fission)	MT18 (t,fission)	

