

Program Complot  
(Version 2021-1)

by

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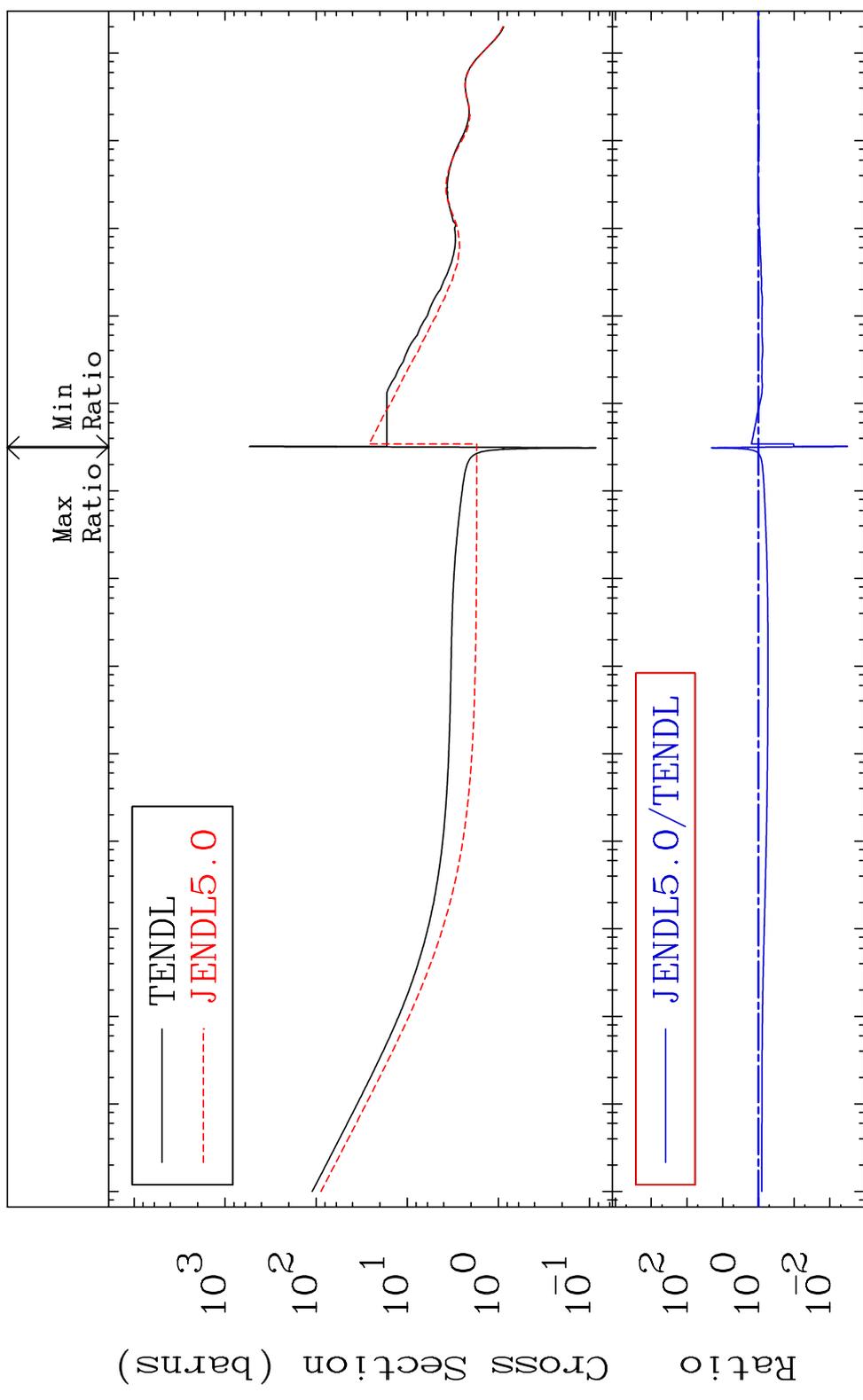
Press Mouse Button to Start

MAT 2219

Total

22-Ti-44

Cross Section -99.68 To 1921. %



1

Incident Energy (eV)

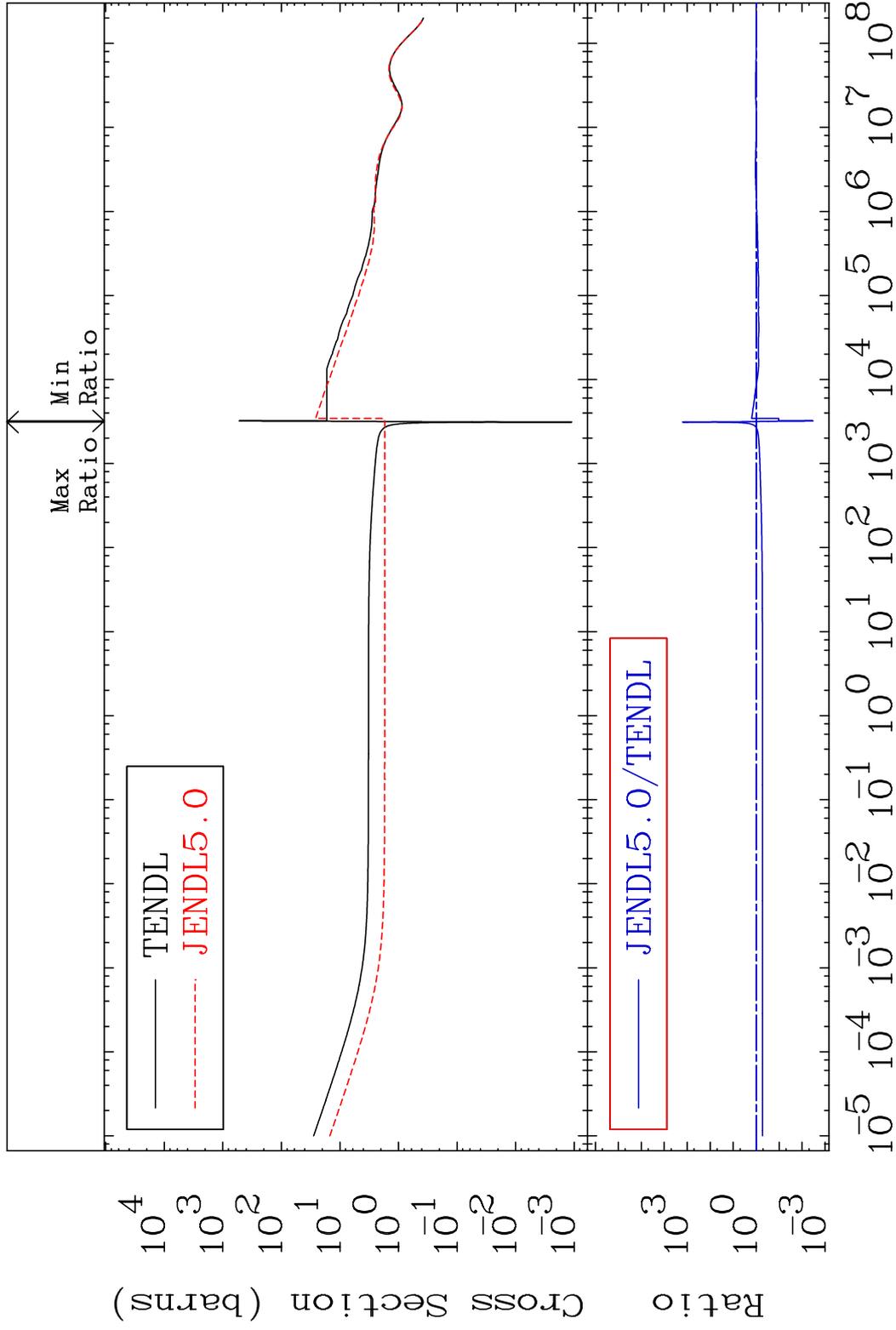
22-Ti-44

MAT 2219

Elastic

22-Ti-44

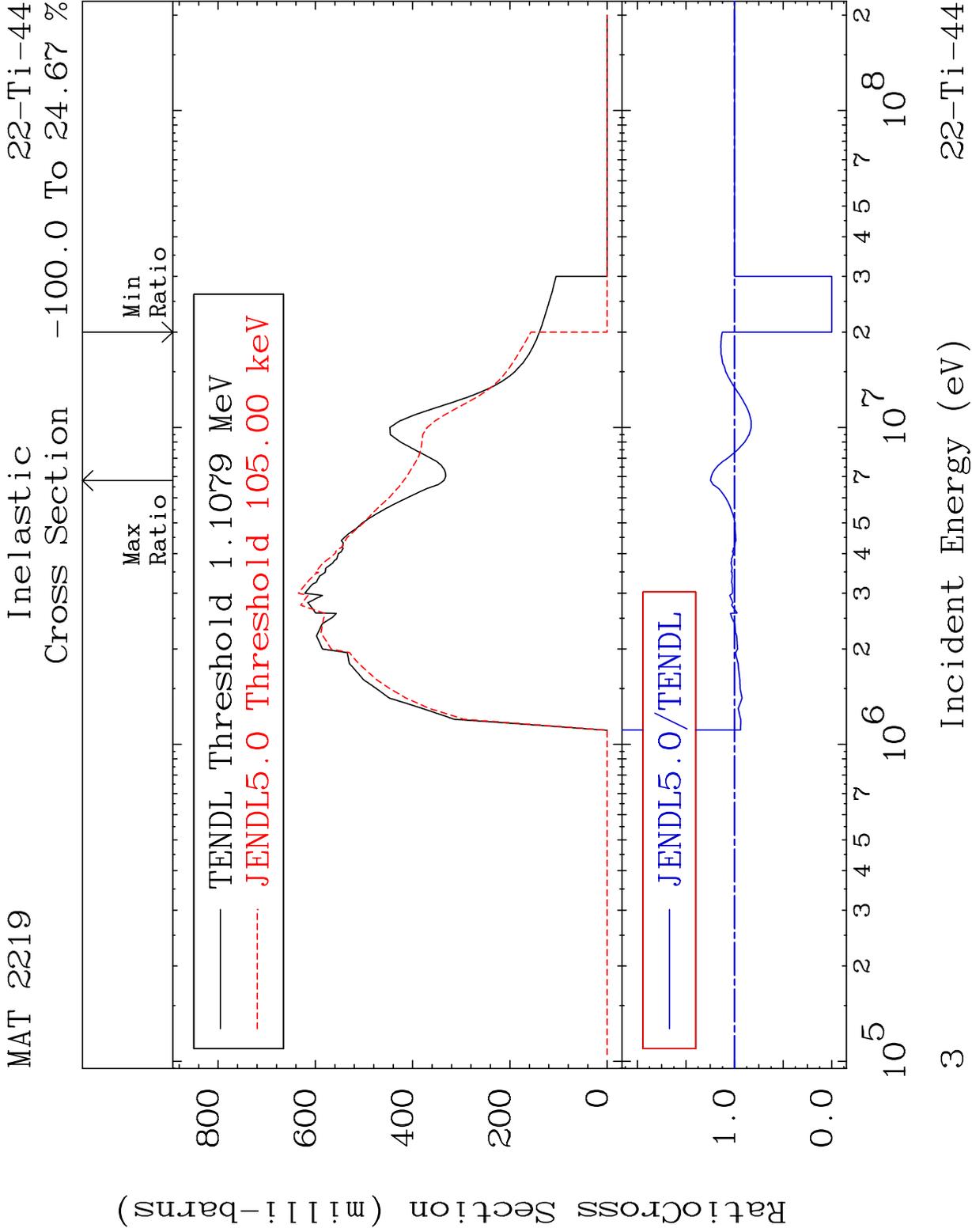
Cross Section -99.67 To 9999. %



2

Incident Energy (eV)

22-Ti-44

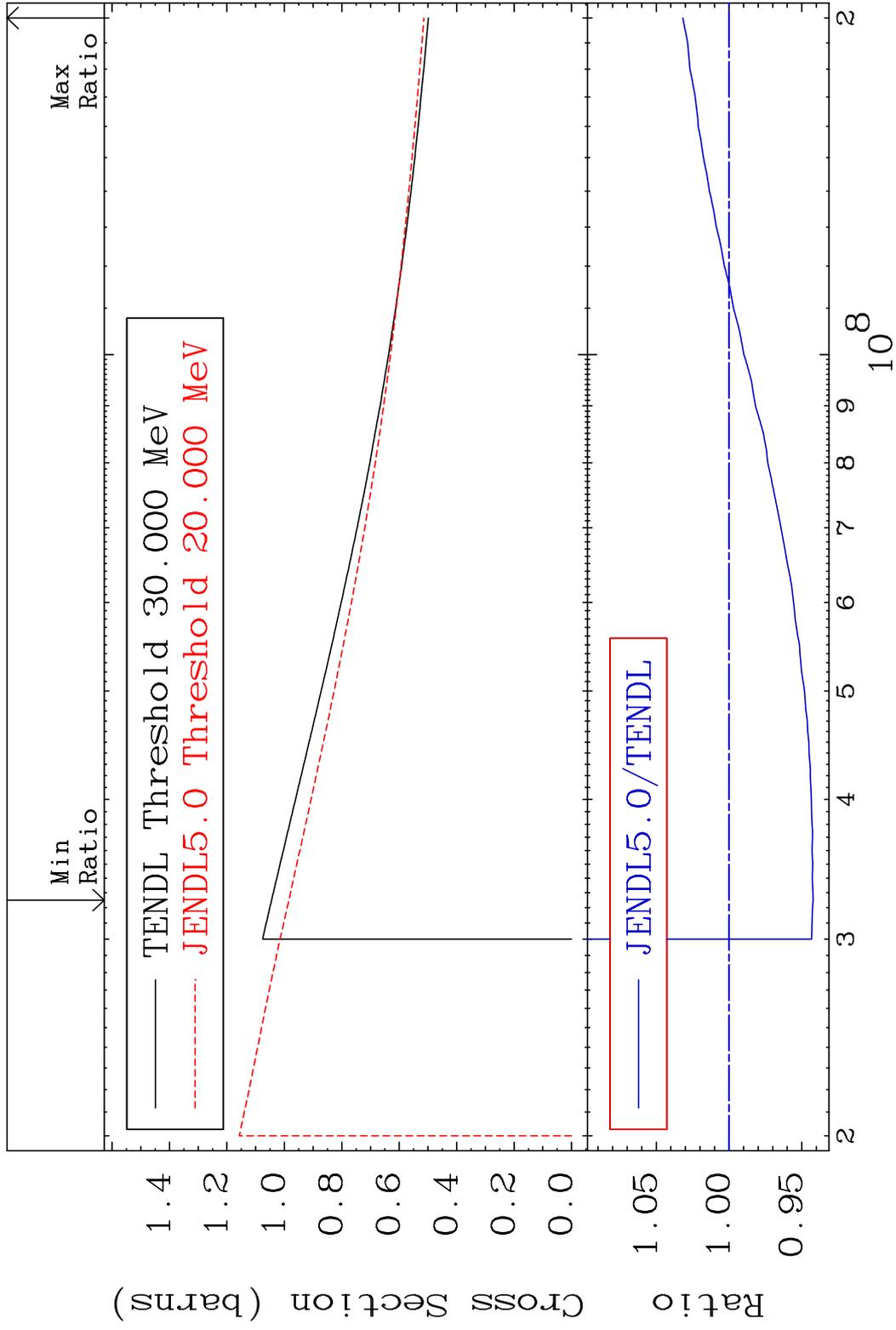


MAT 2219

(n, remainder)

22-Ti-44

Cross Section -5.777 To 3.176 %

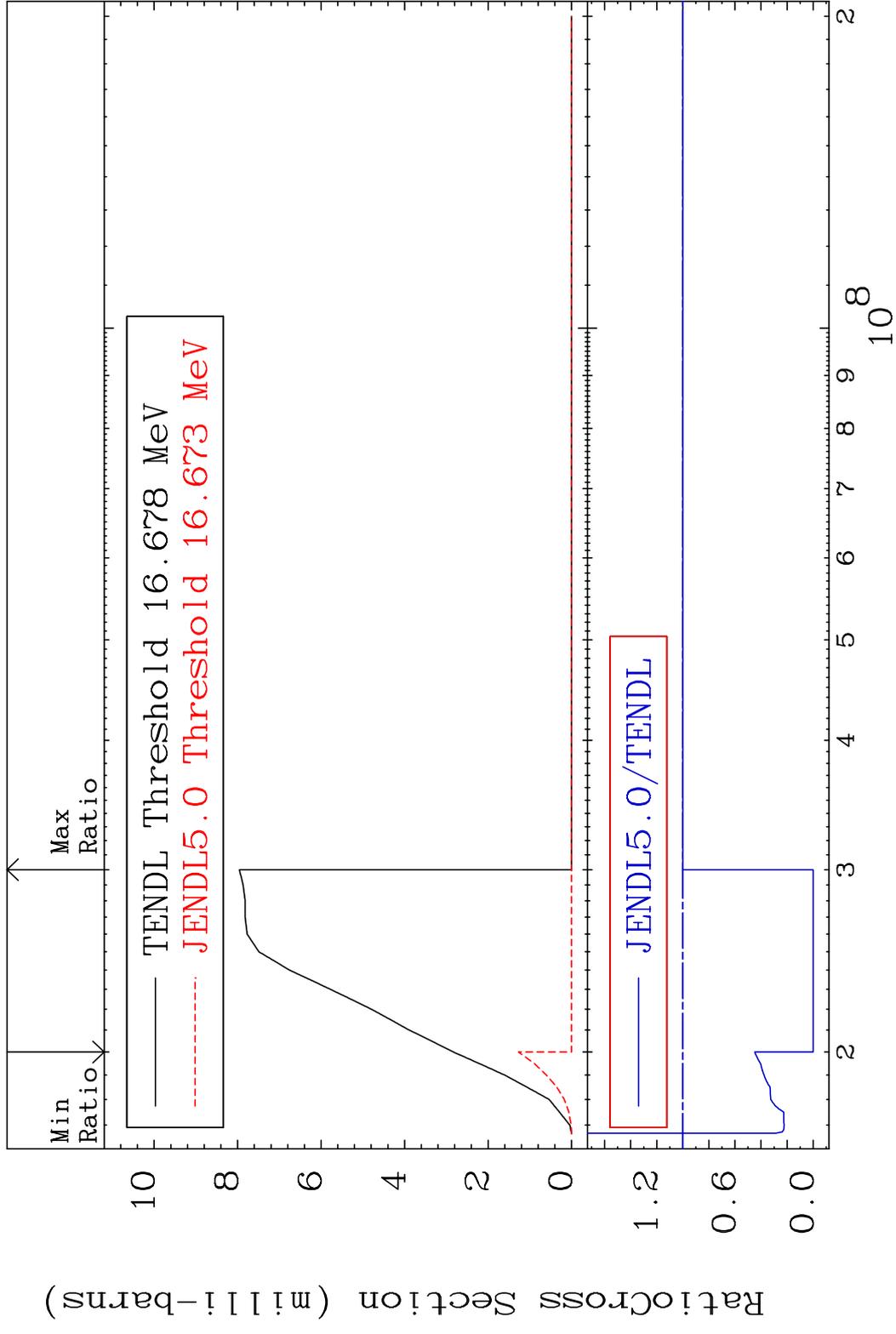


4

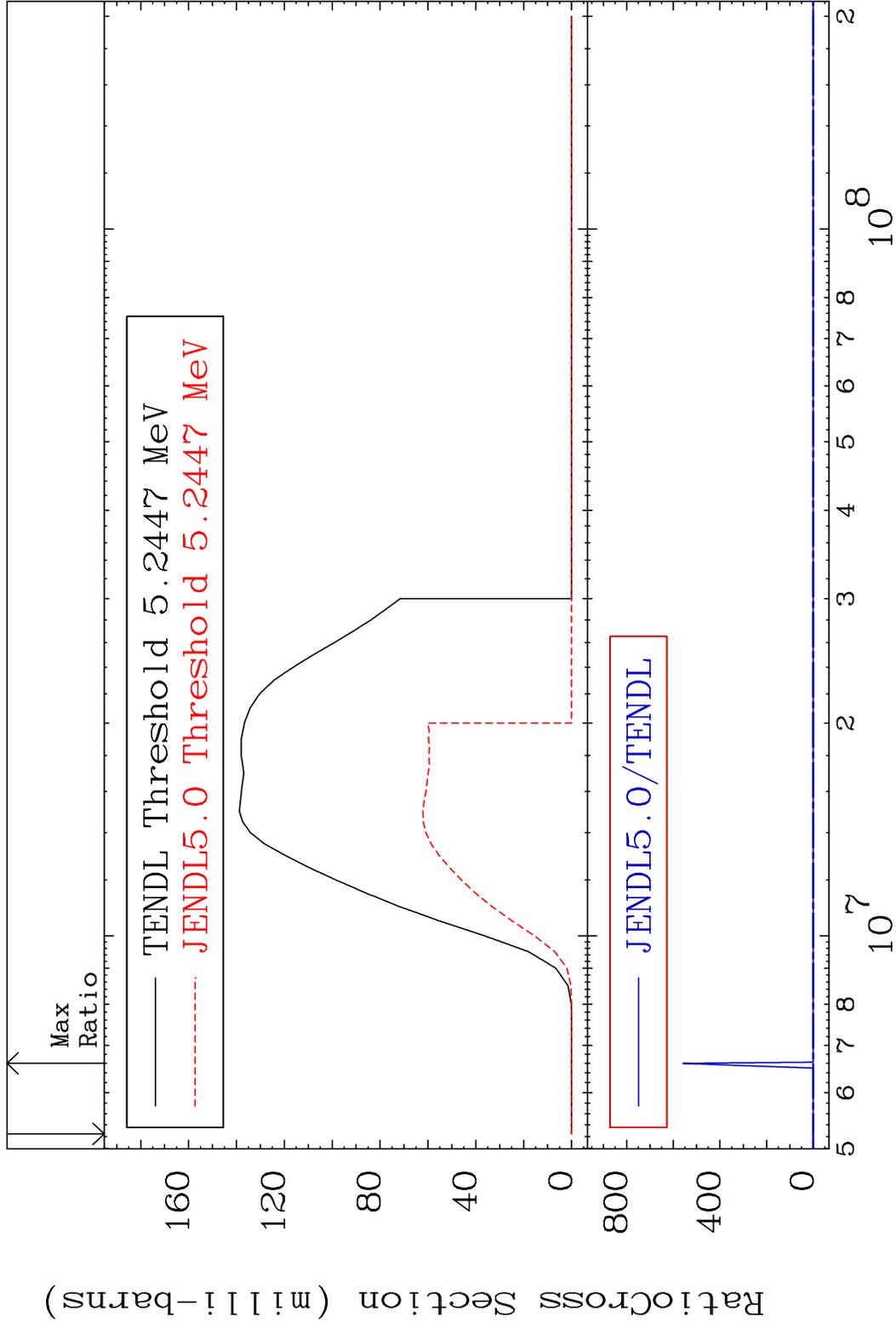
Incident Energy (eV)

22-Ti-44

MAT 2219 (n,2n) 22-Ti-44  
 Cross Section -100.0 To 0.000 %

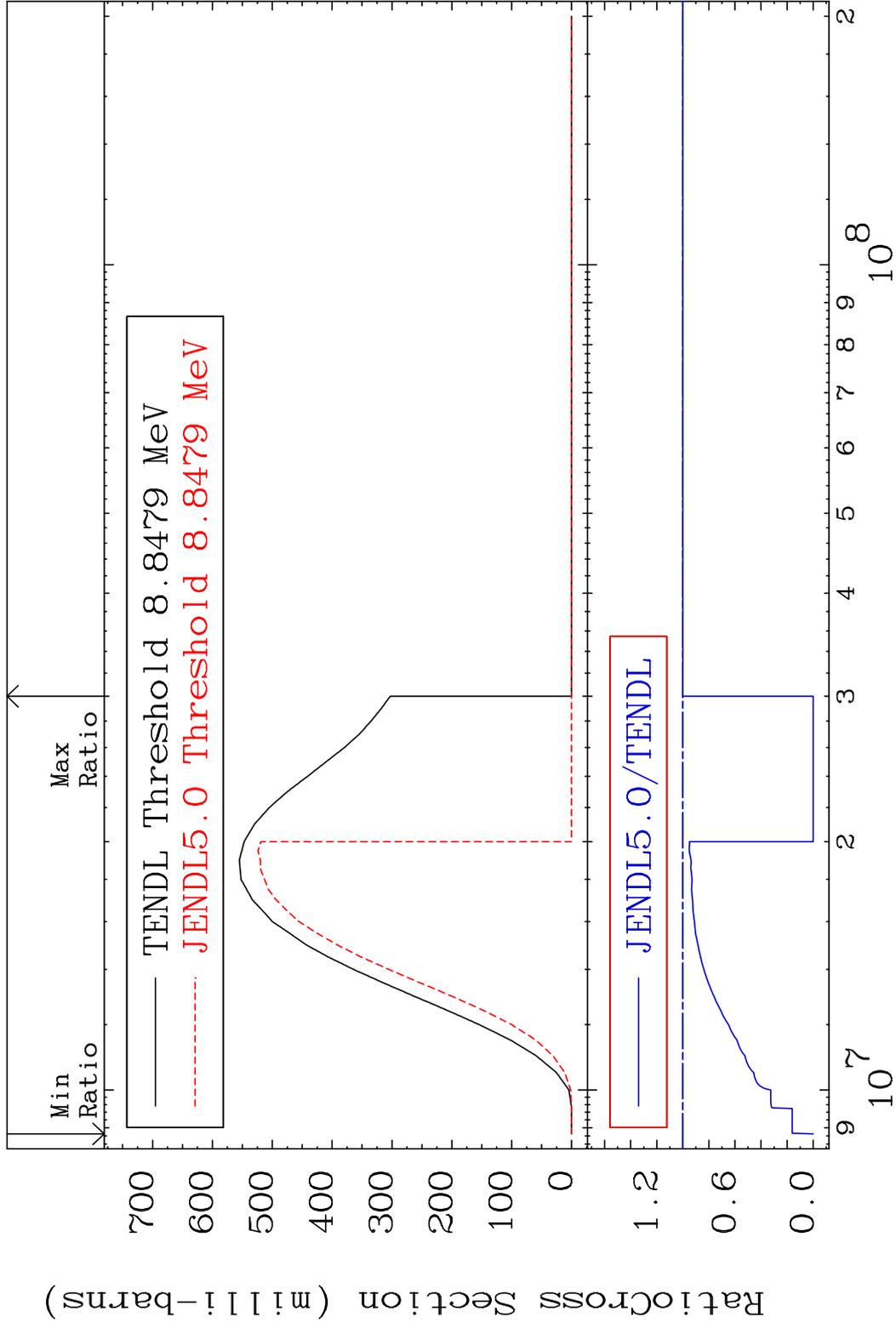


MAT 2219 (n, n')  $\alpha$  22-Ti-44  
 Cross Section -100.0 To 9999. %



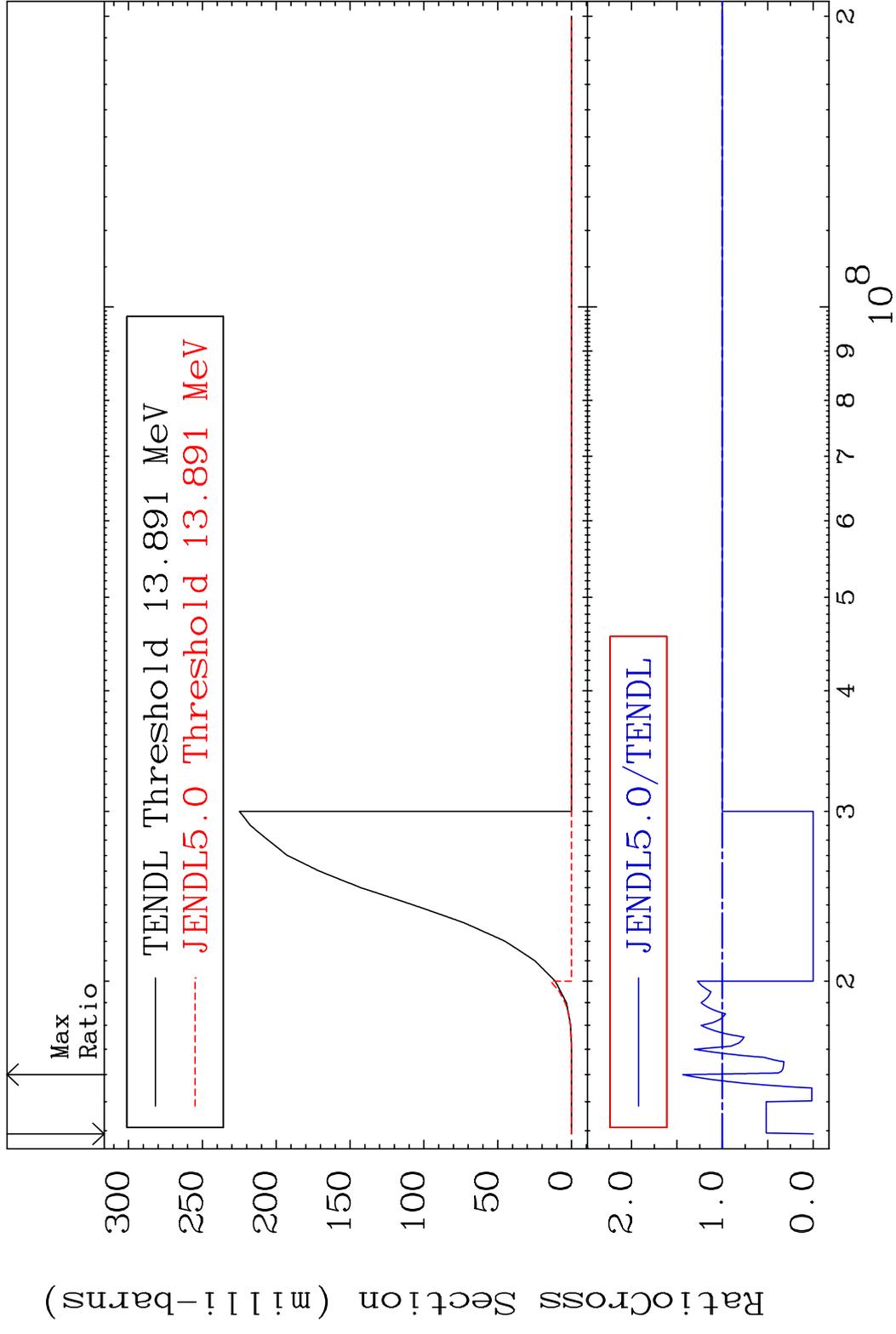
6 22-Ti-44

MAT 2219 (n, n') p 22-Ti-44  
 Cross Section -100.0 To 0.000 %

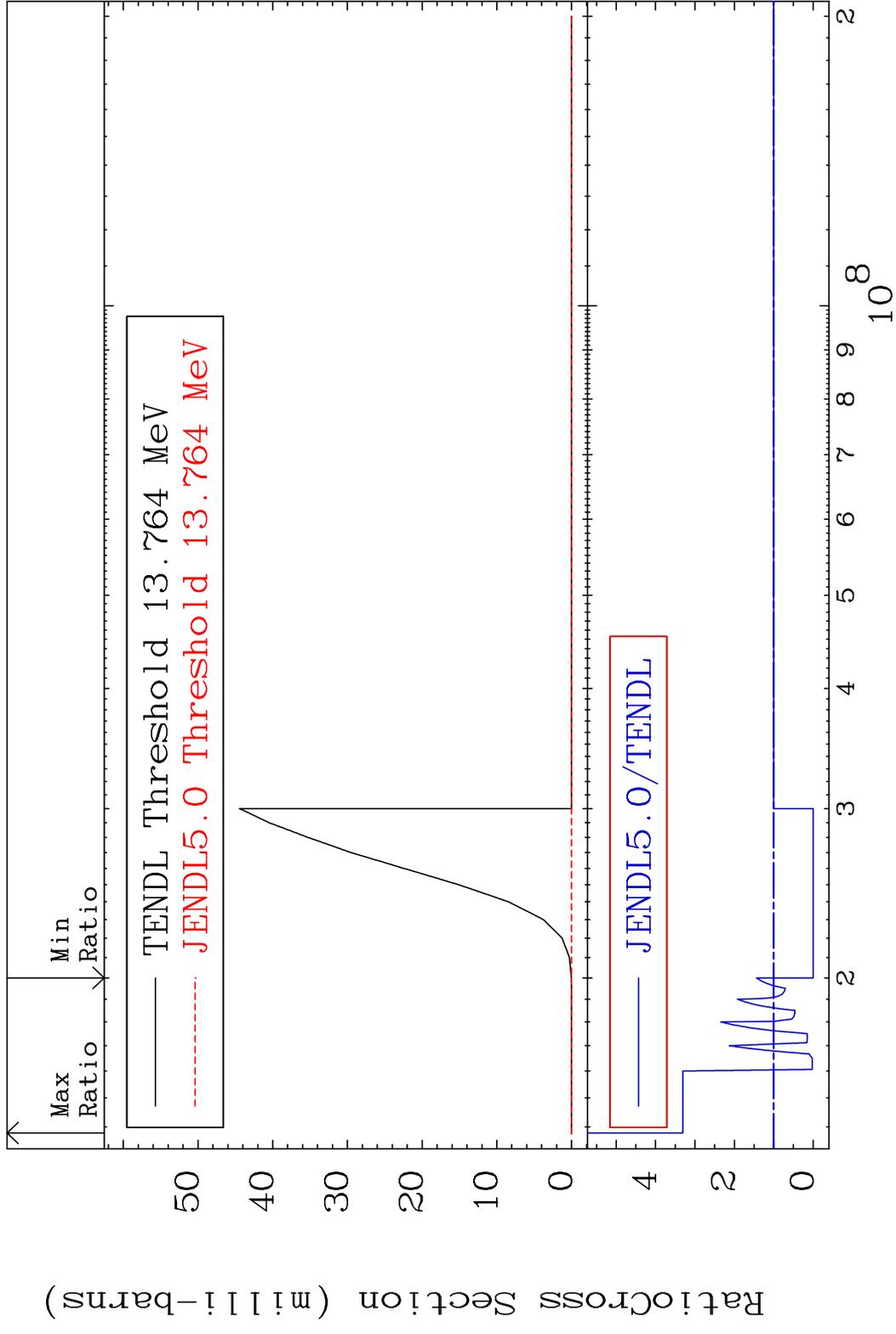


7 Incident Energy (eV) 22-Ti-44

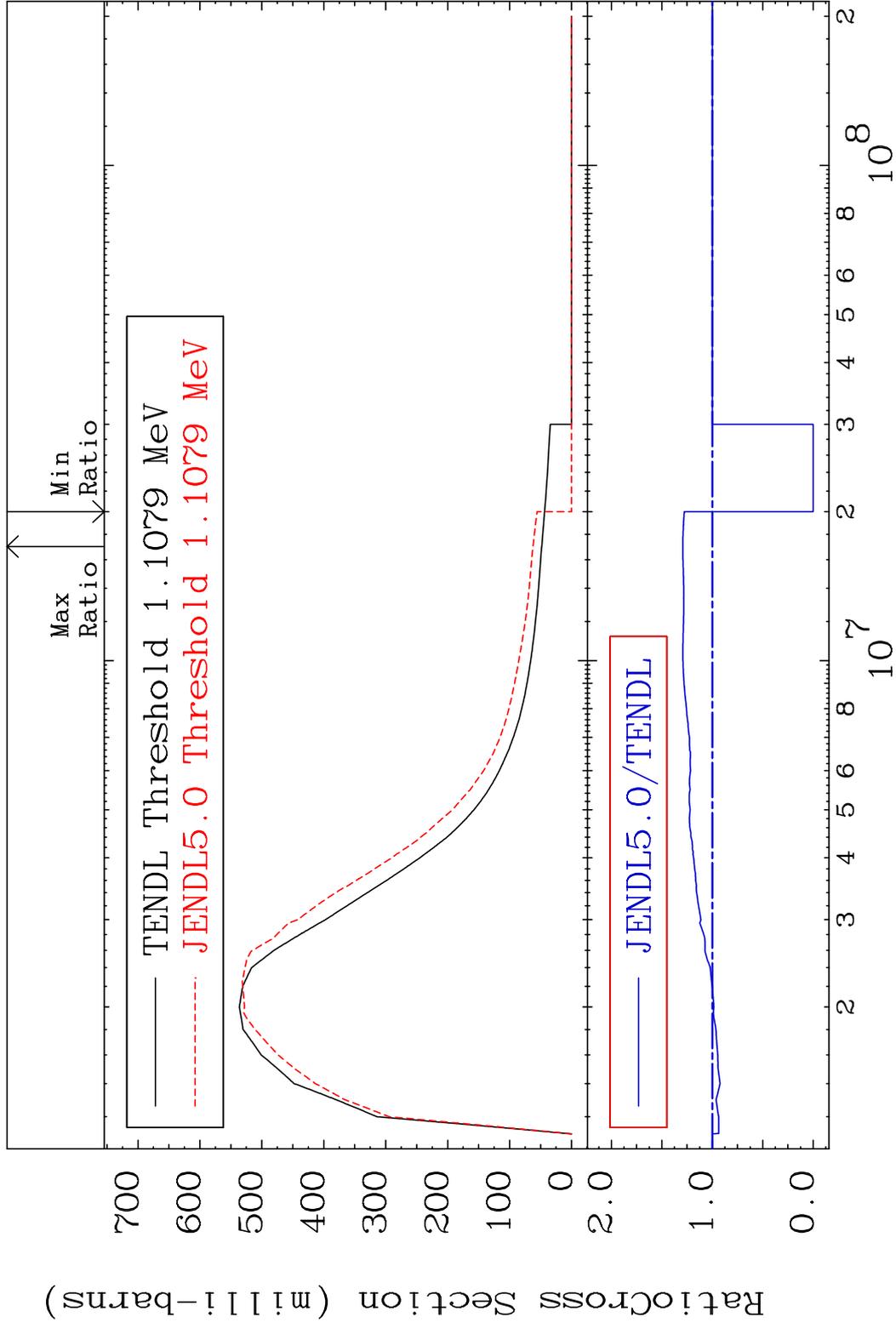
MAT 2219 (n,2n) p 22-Ti-44  
 Cross Section -100.0 To 43.56 %



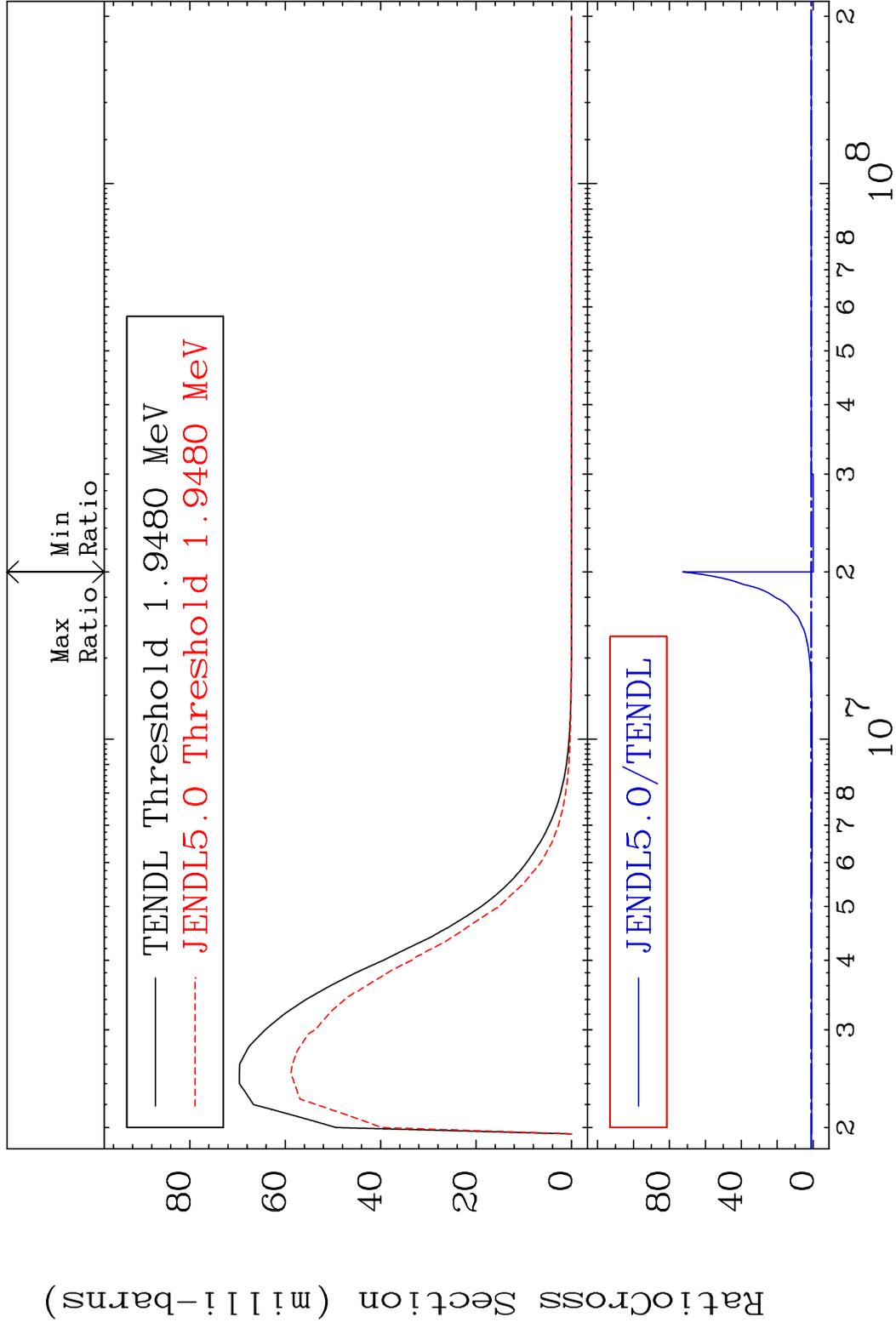
MAT 2219 (n,n') p α 22-Ti-44  
 Cross Section -100.0 To 230.8 %



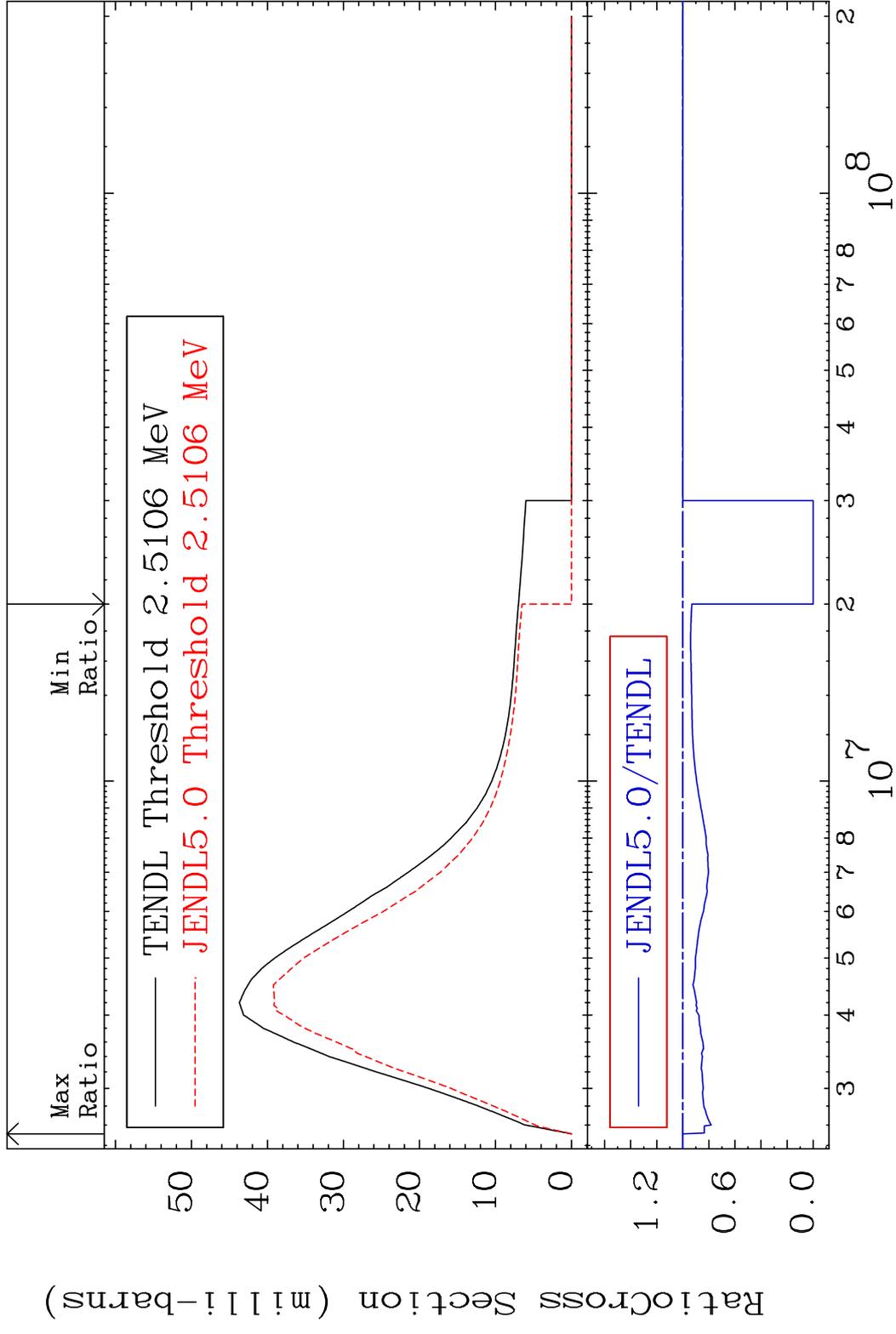
MAT 2219 MT= 51 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 29.19 %



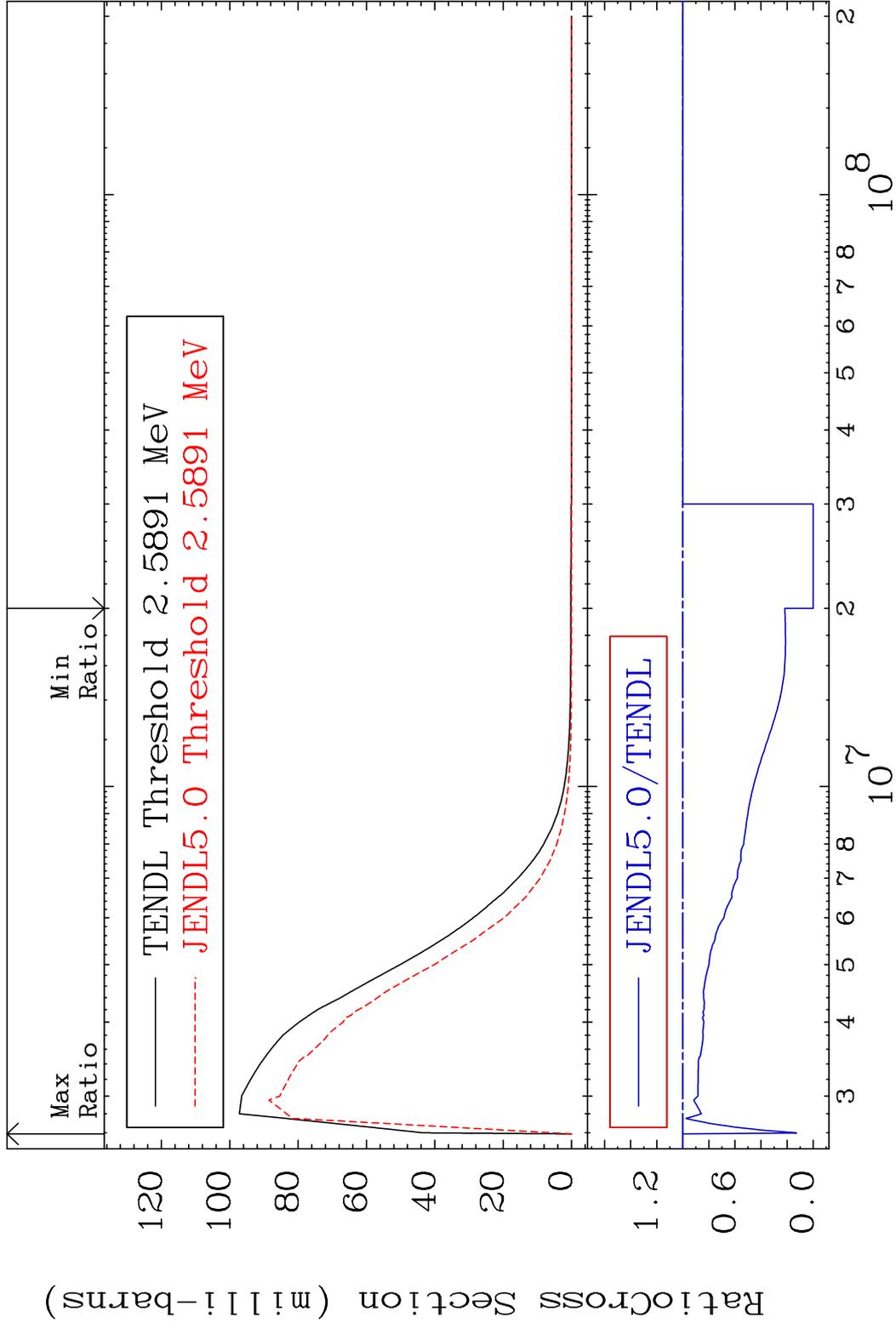
MAT 2219 MT= 52 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 7155. %



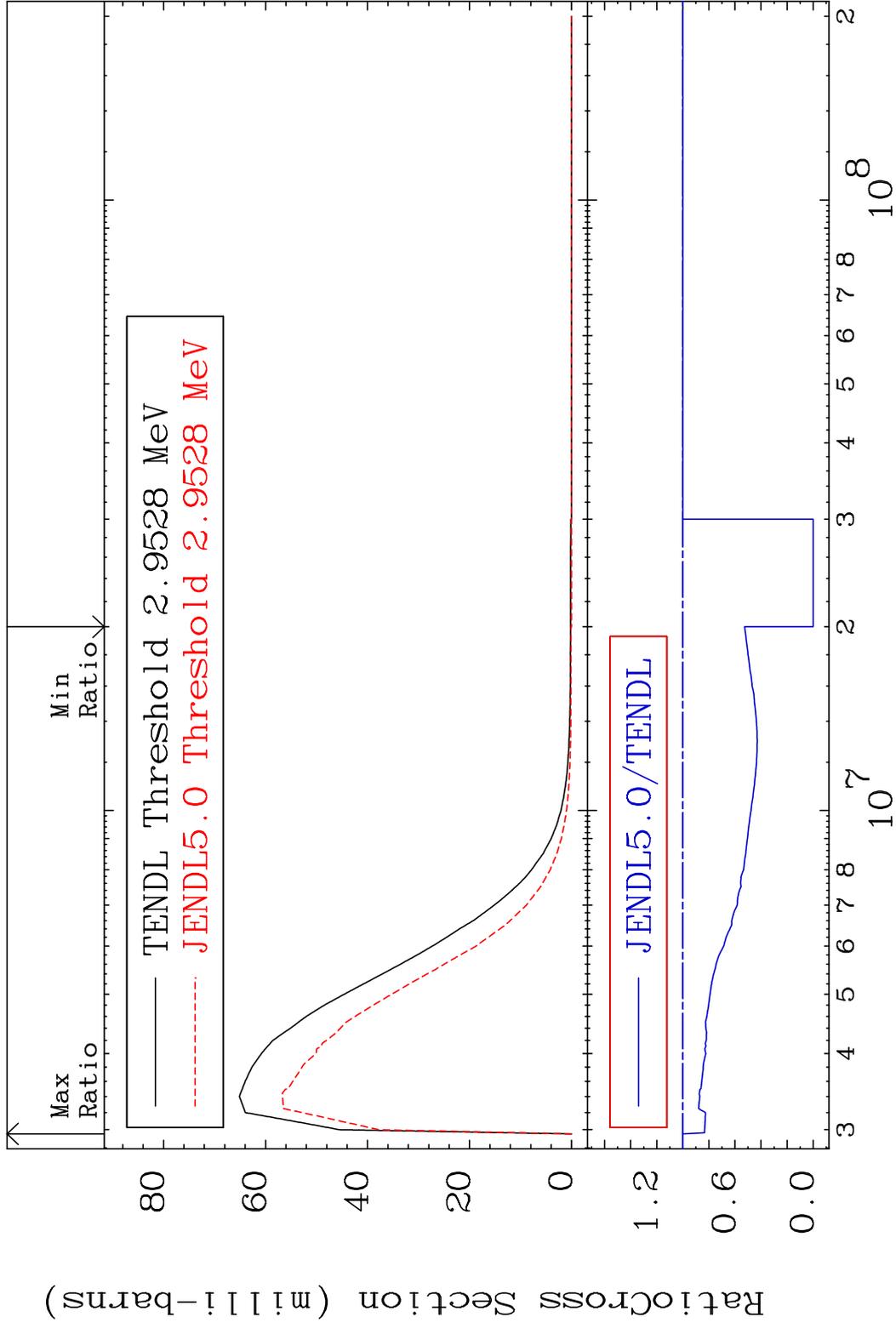
MAT 2219 MT= 53 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 0.000 %



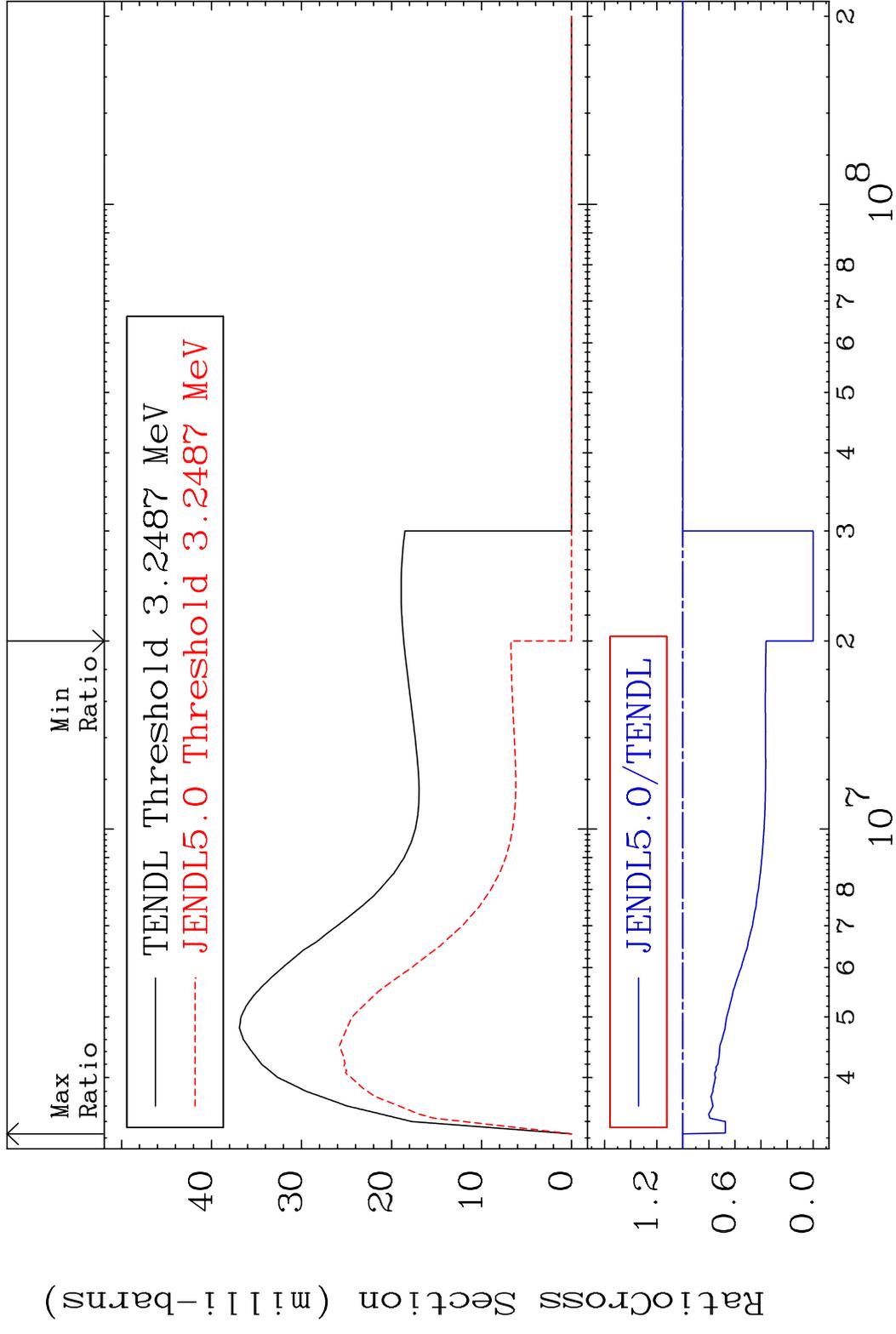
MAT 2219 MT= 54 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 0.000 %



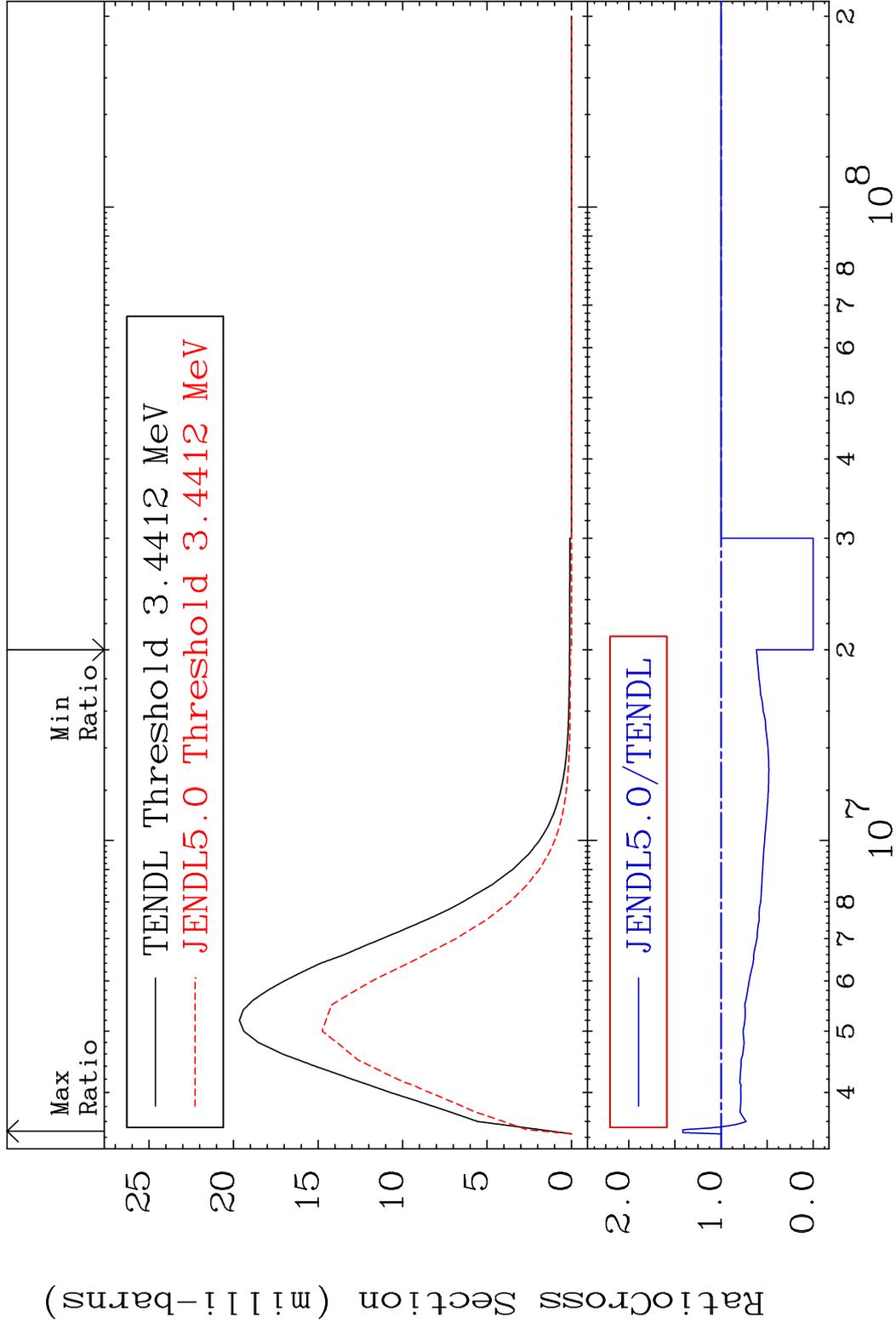
MAT 2219 MT= 55 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 0.000 %



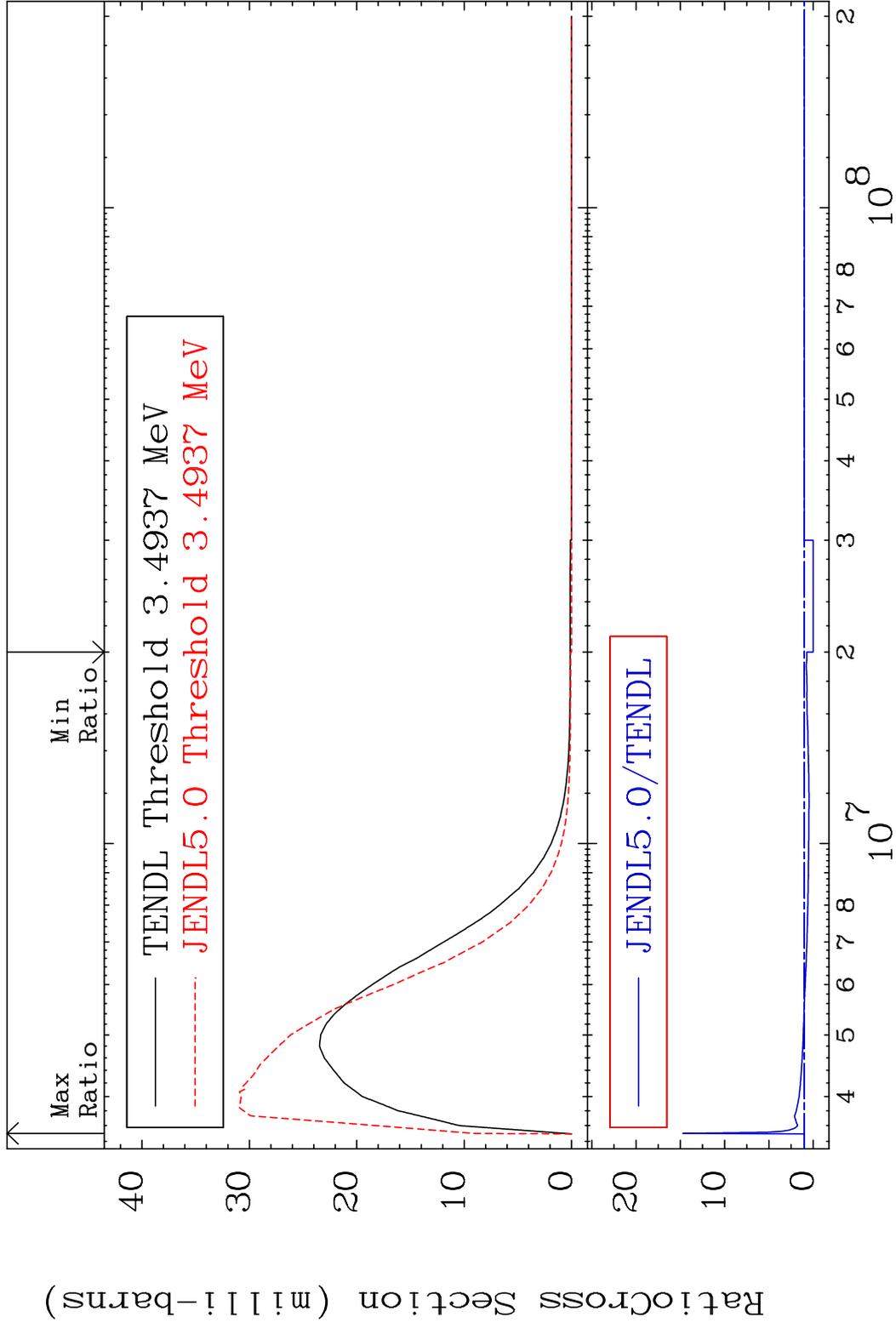
MAT 2219 MT= 56 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 0.000 %



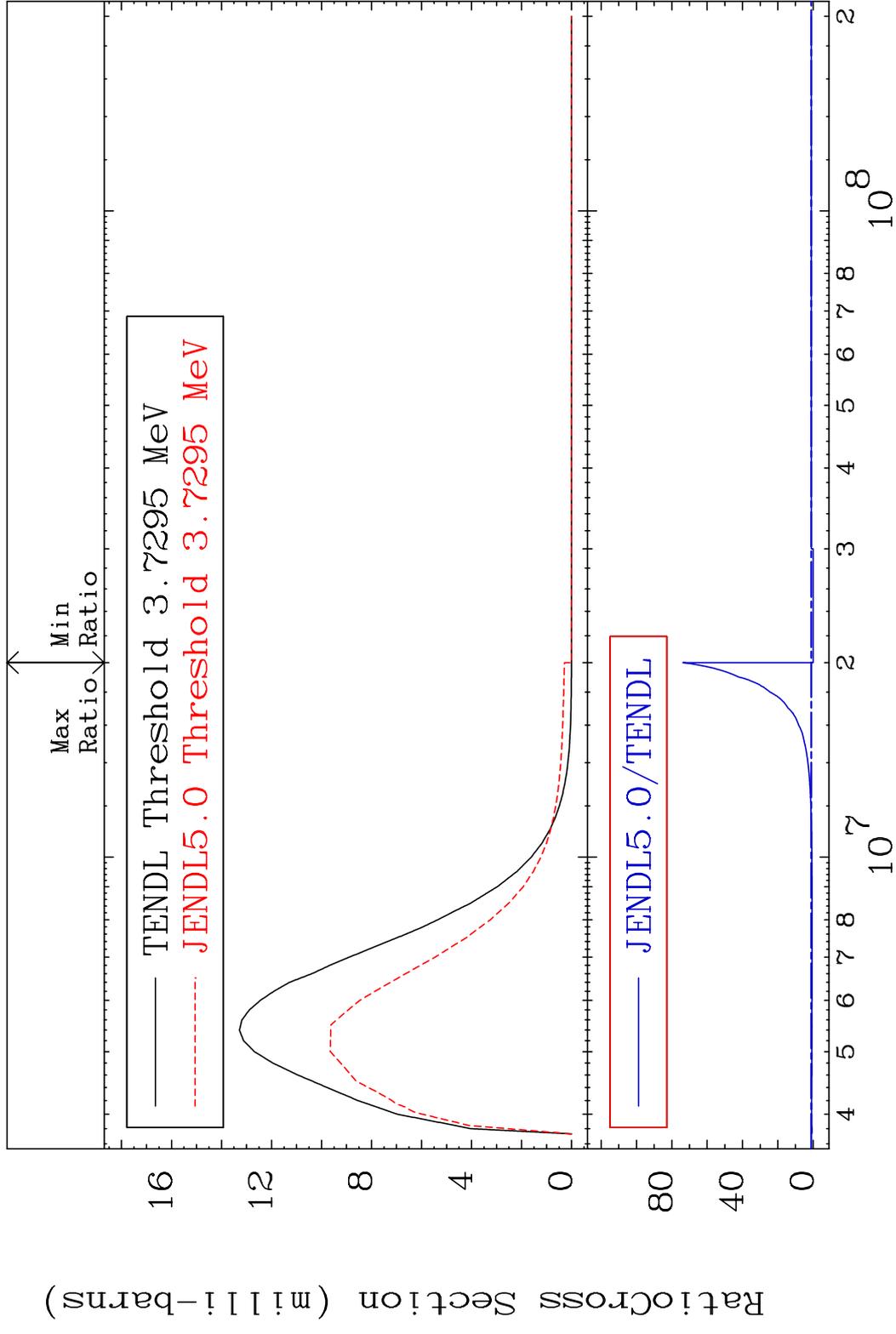
MAT 2219 MT= 57 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 41.36 %



MAT 2219 MT= 58 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 1372. %

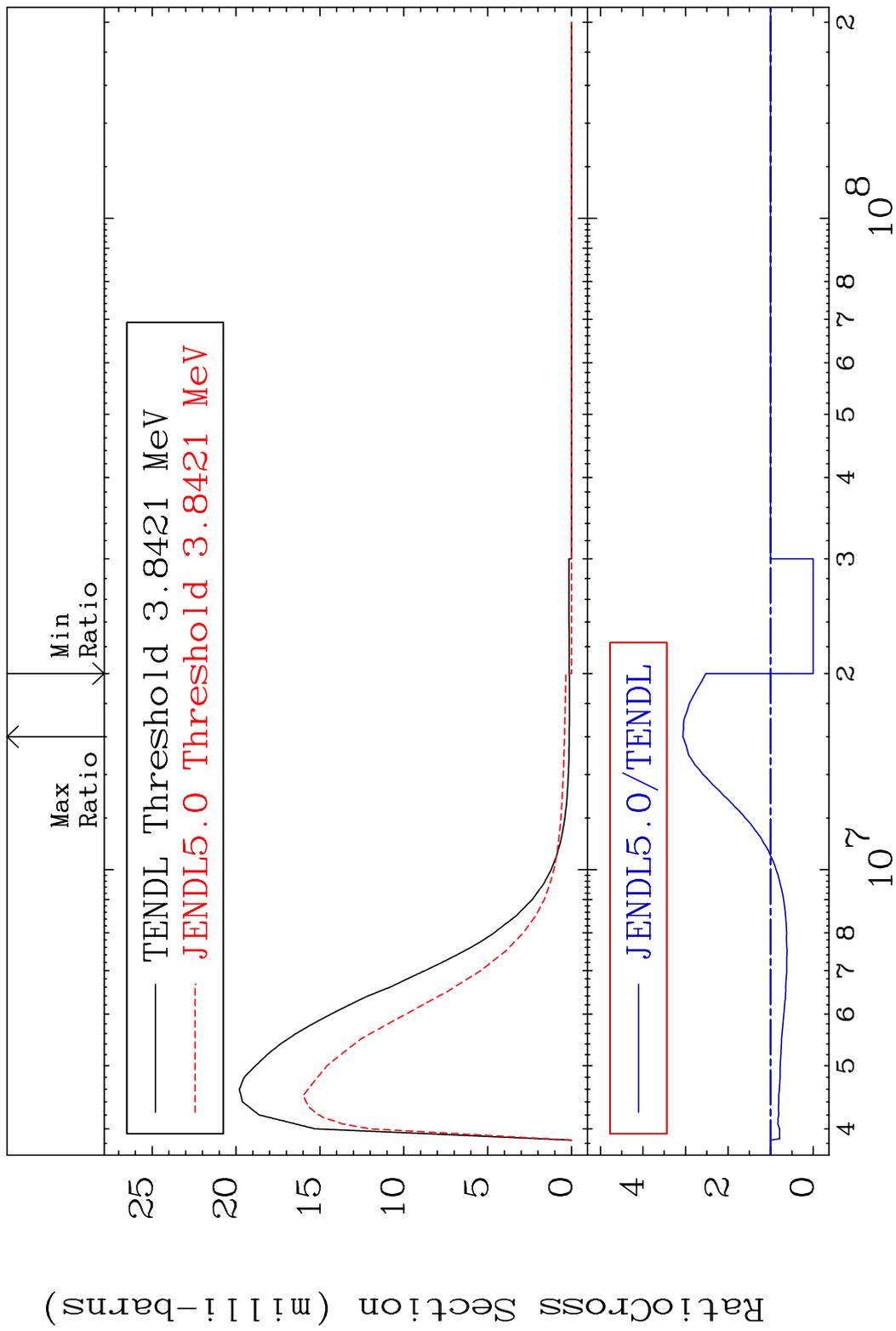


MAT 2219 MT= 59 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 7277. %

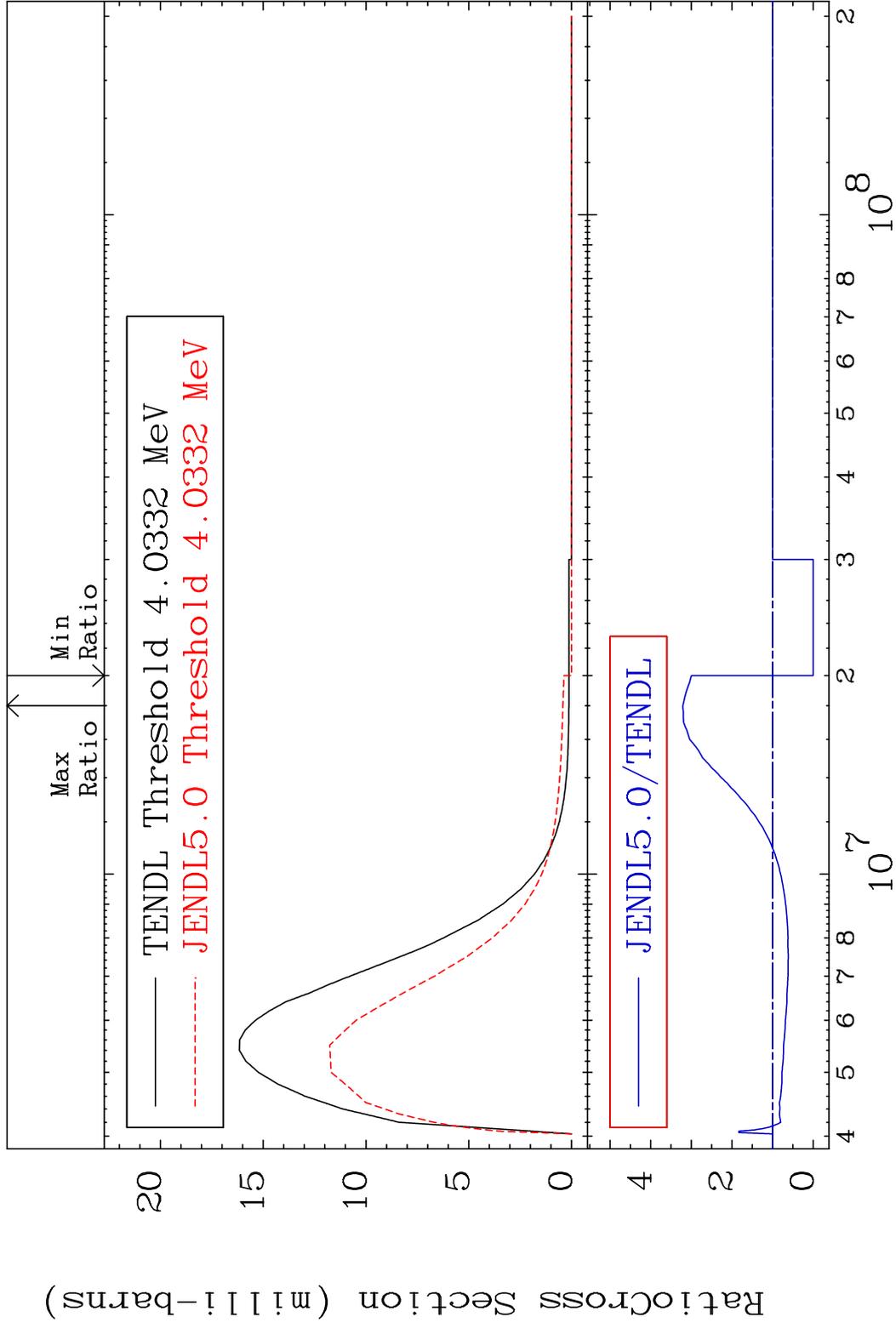


18 22-Ti-44

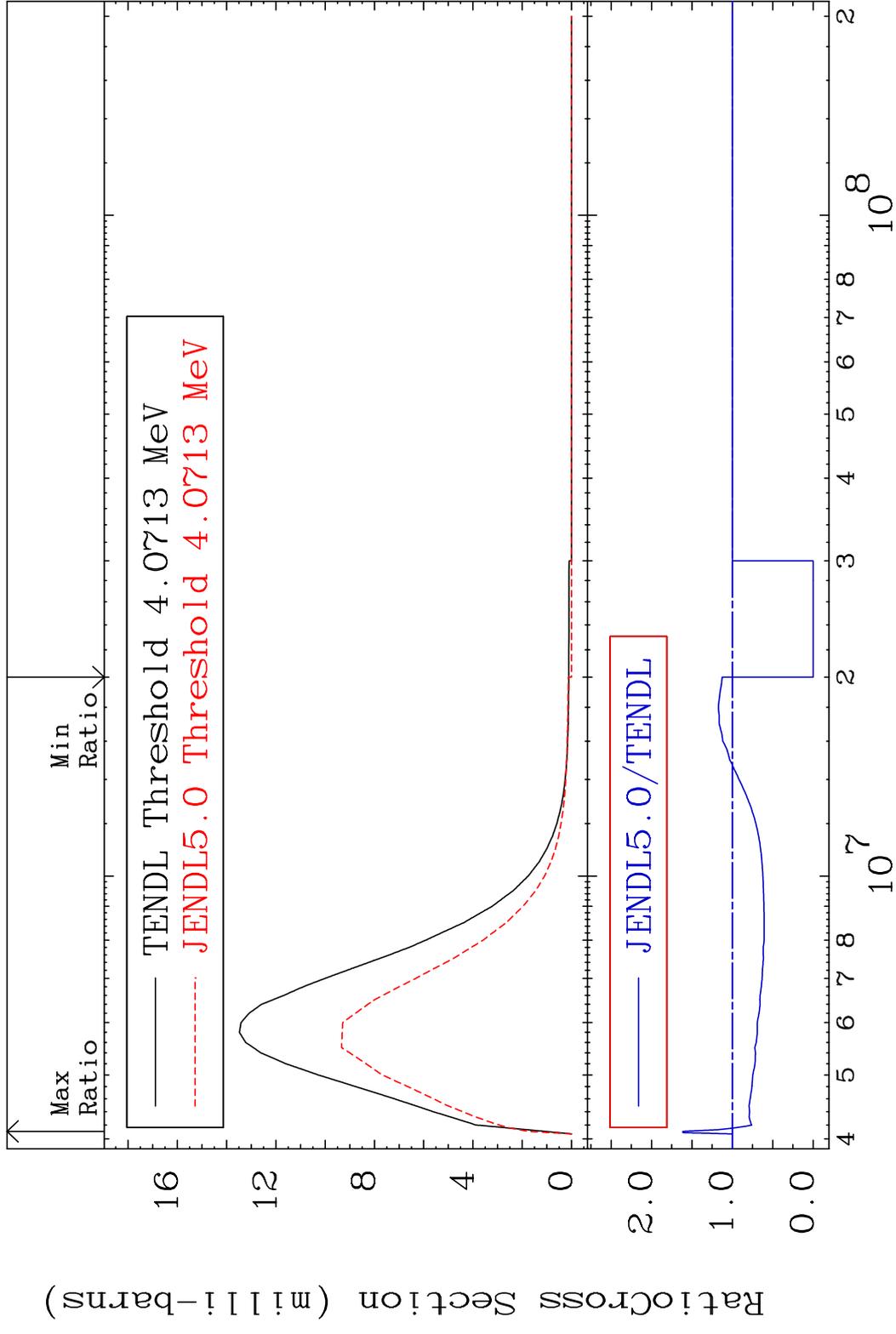
MAT 2219 MT= 60 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 206.3 %



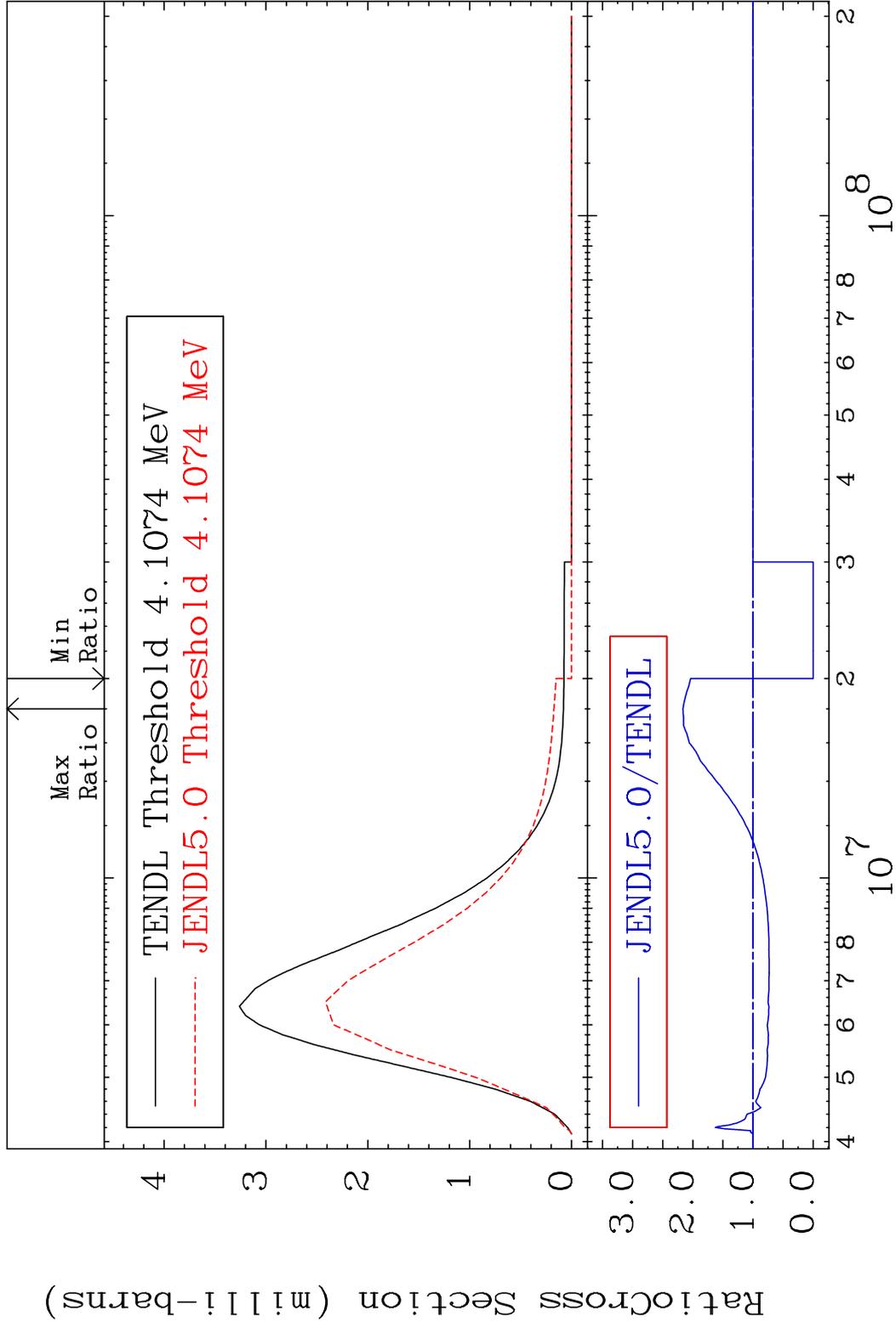
MAT 2219 MT= 61 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 220.7 %



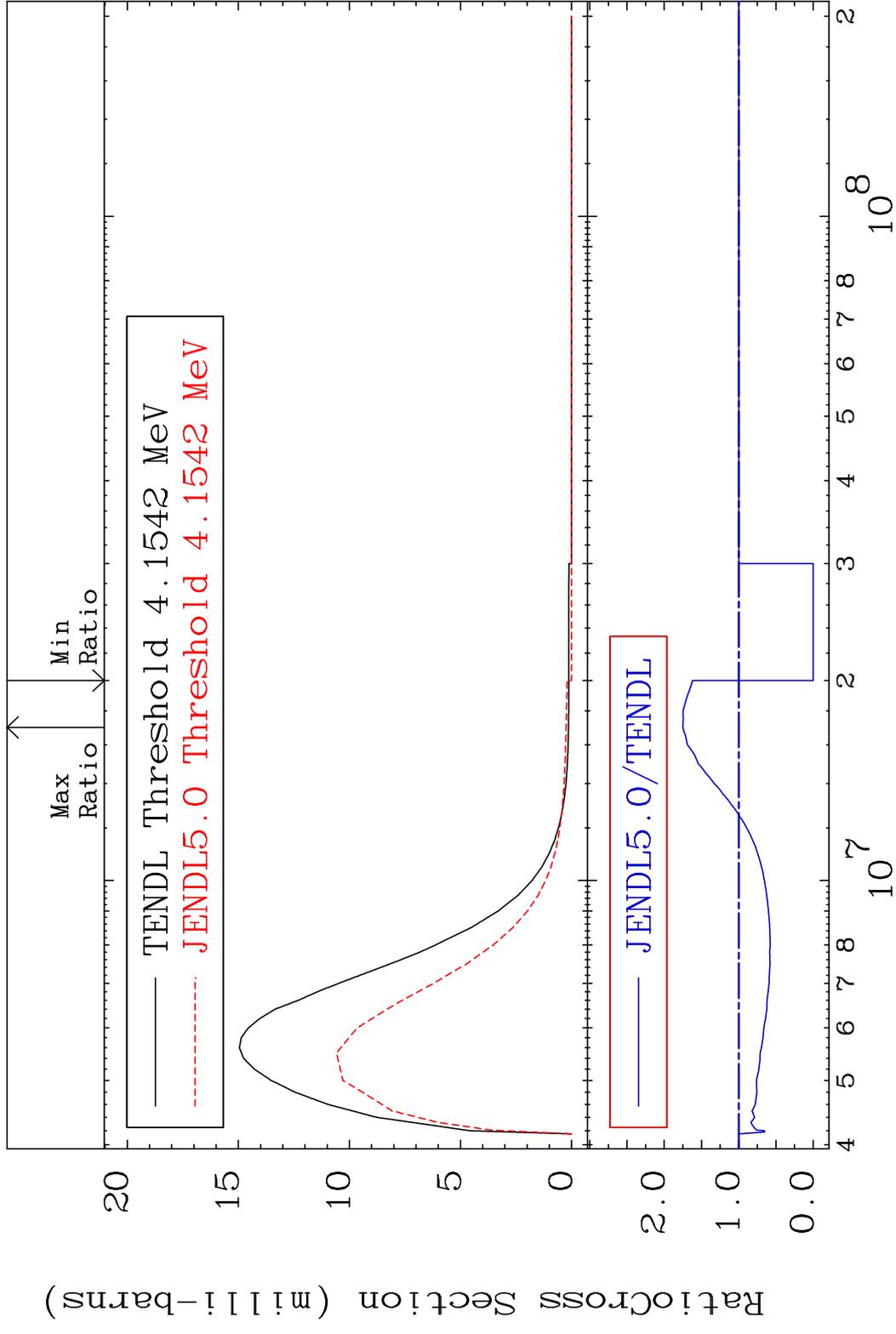
MAT 2219 MT= 62 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 61.30 %



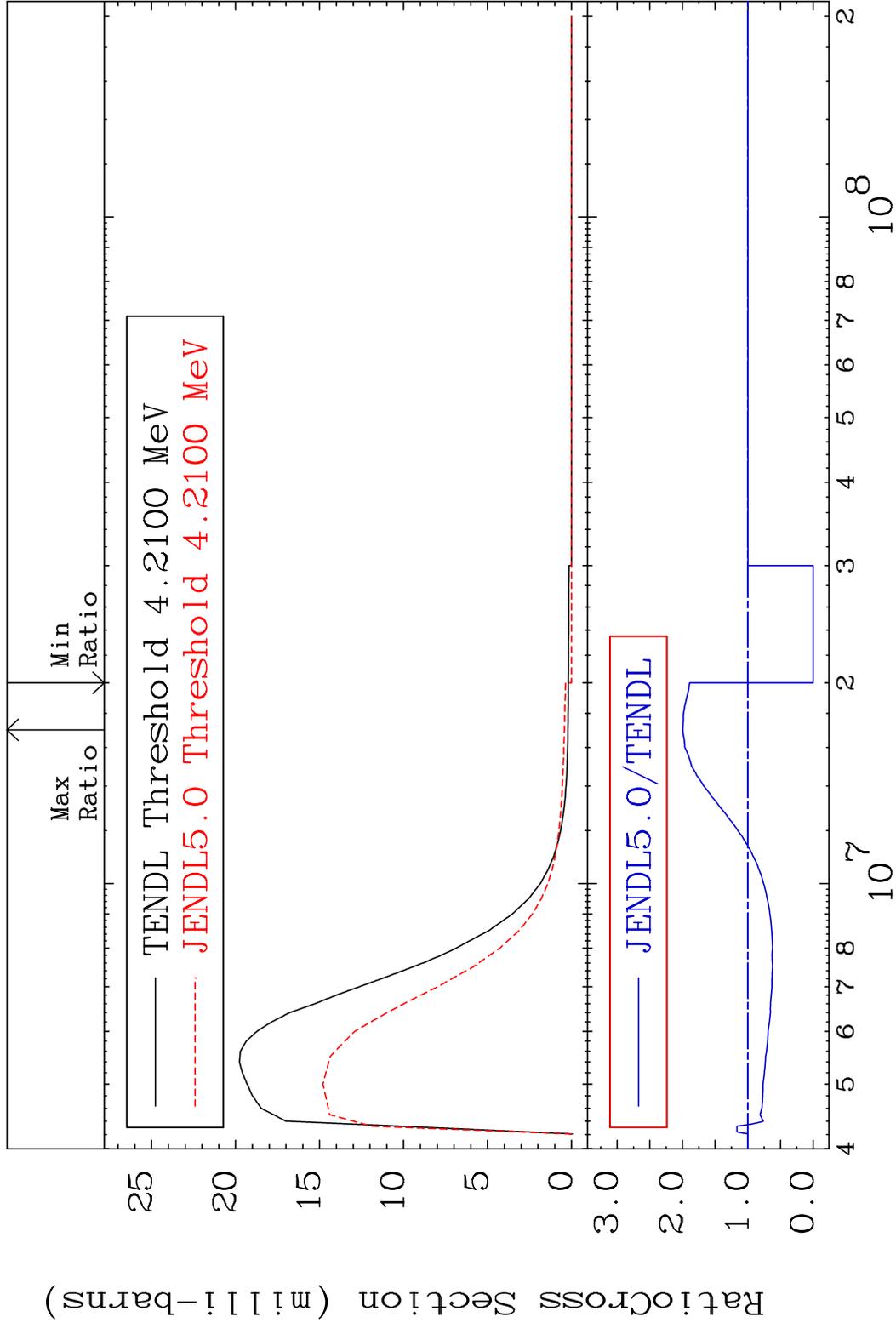
MAT 2219 MT= 63 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 116.6 %



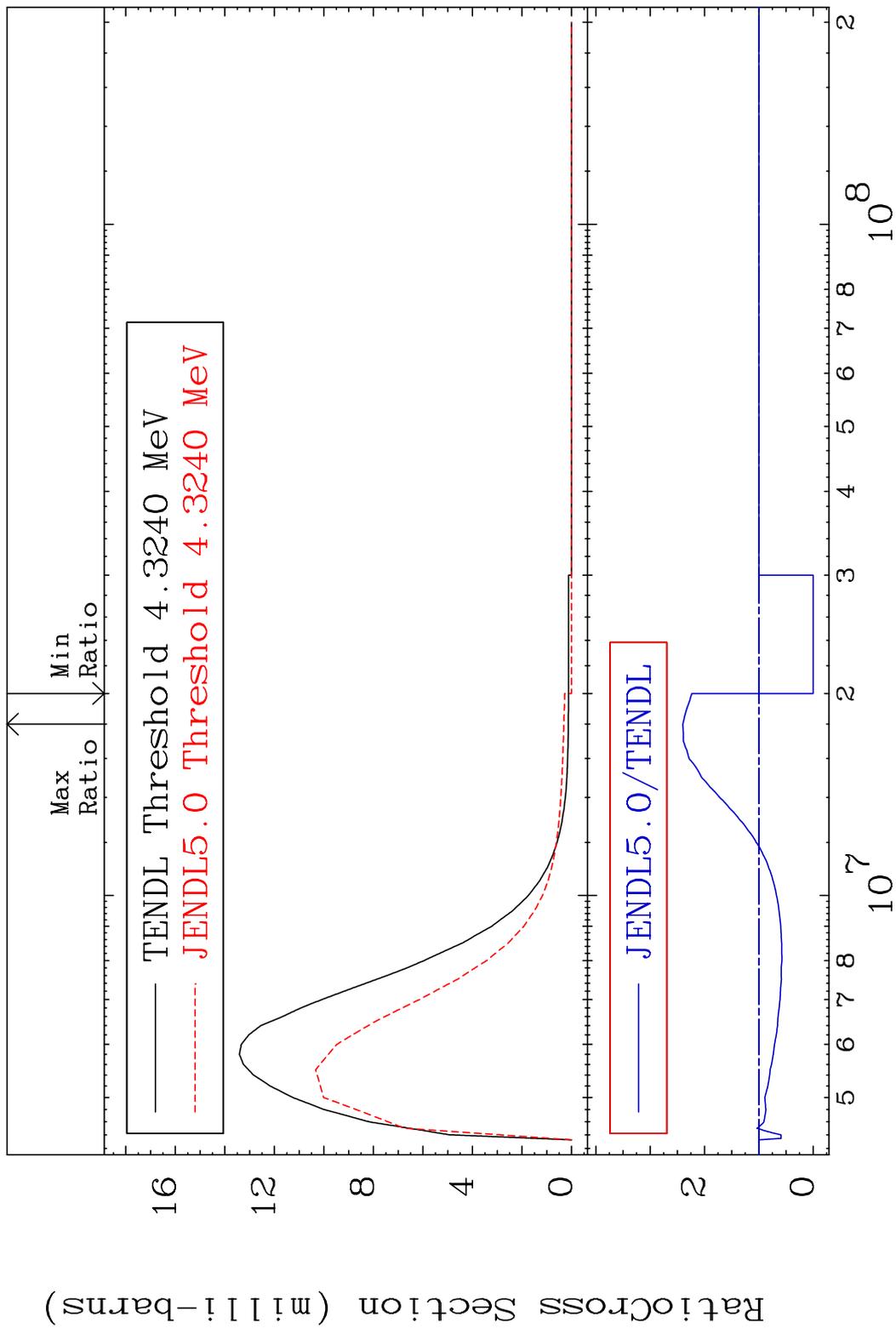
MAT 2219 MT= 64 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 75.04 %



MAT 2219 MT= 65 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 99.44 %



MAT 2219 MT= 66 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 139.8 %

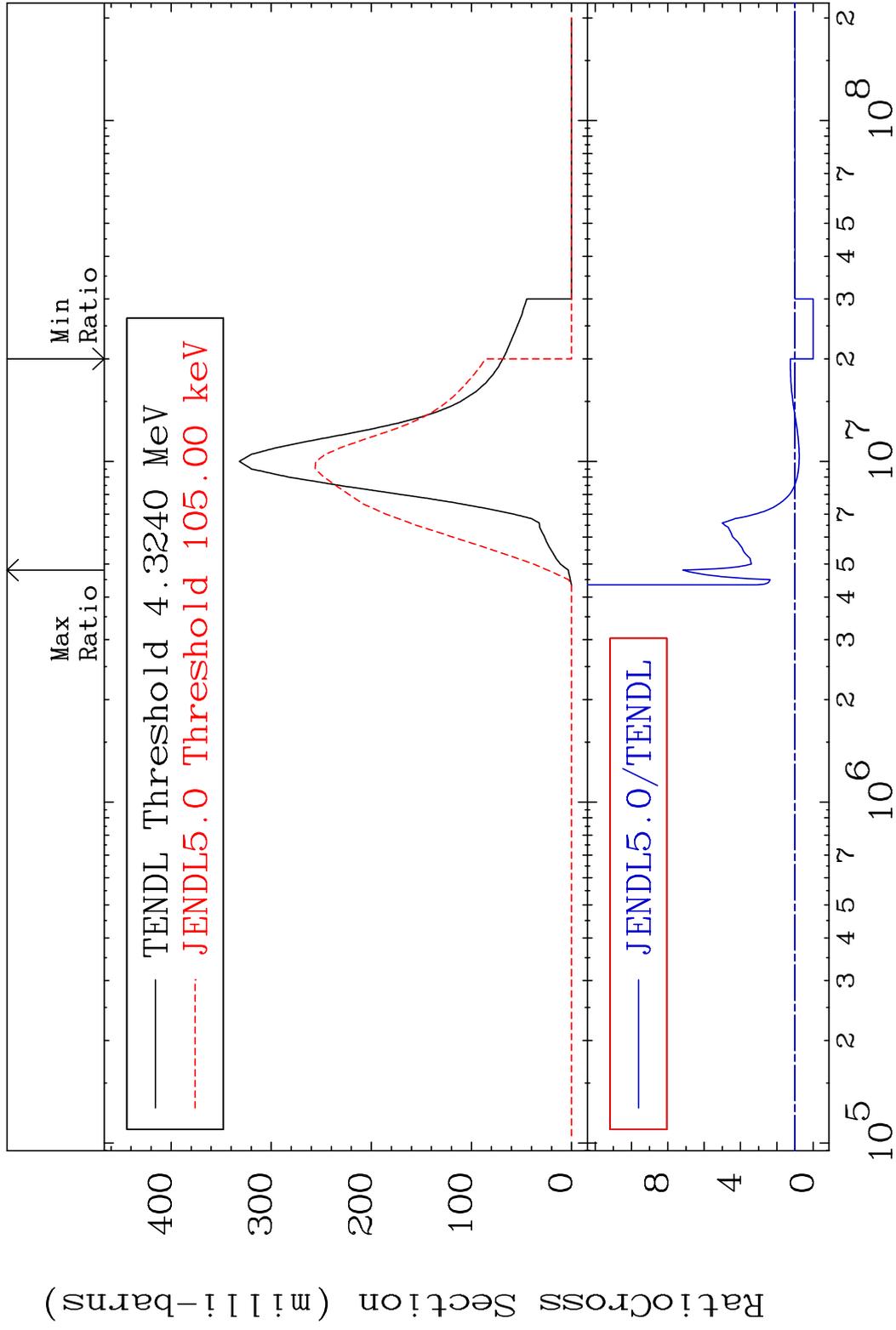


MAT 2219

(n, n') Continuum

<sup>22</sup>Ti-44

Cross Section -100.0 To 617.2 %



26

Incident Energy (eV)

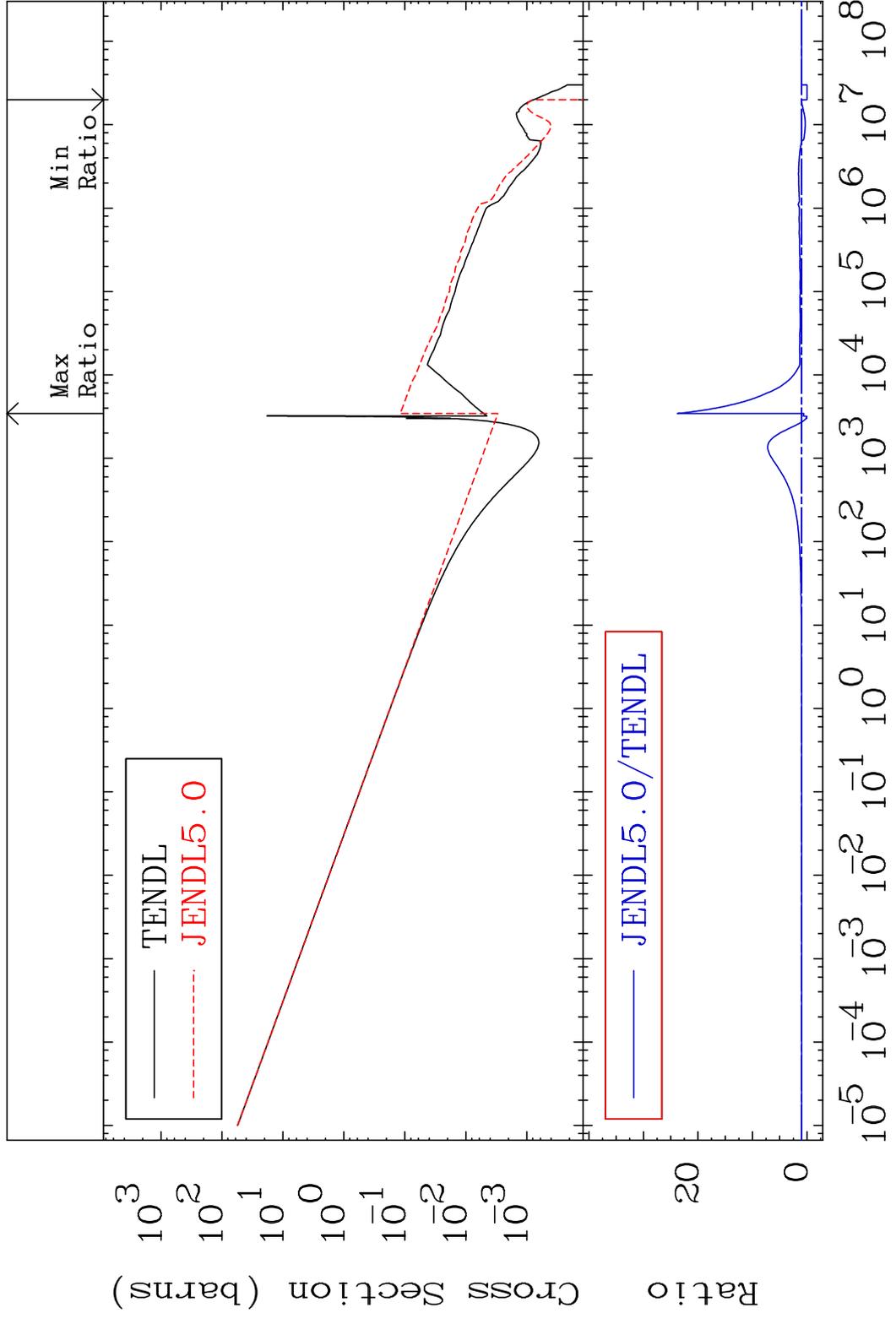
<sup>22</sup>Ti-44

MAT 2219

(n,  $\gamma$ )

22-Ti-44

Cross Section -100.0 To 2272. %



27

Incident Energy (eV)

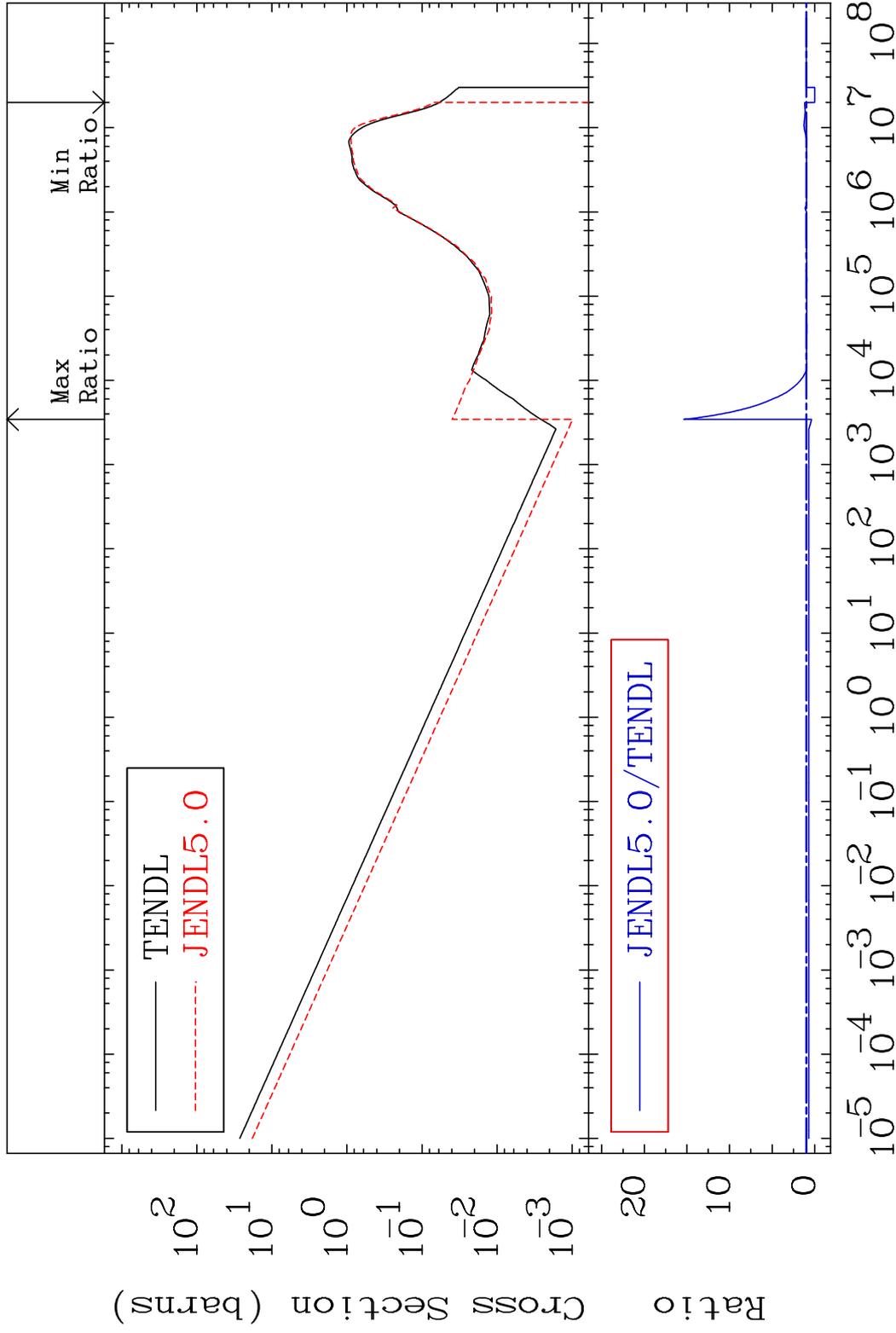
22-Ti-44

MAT 2219

(n, p)

<sup>22</sup>Ti-44

Cross Section -100.0 To 1433. %

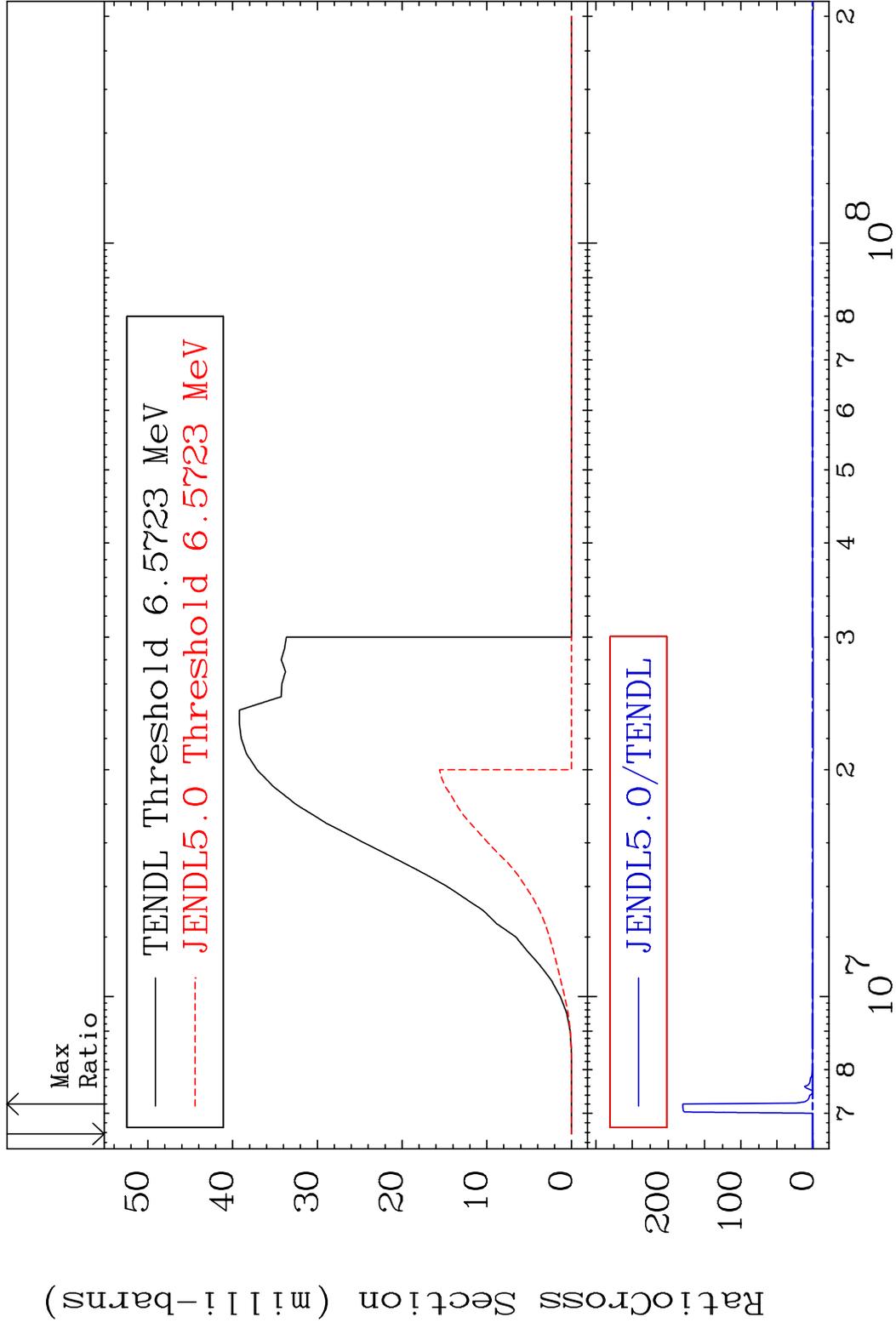


28

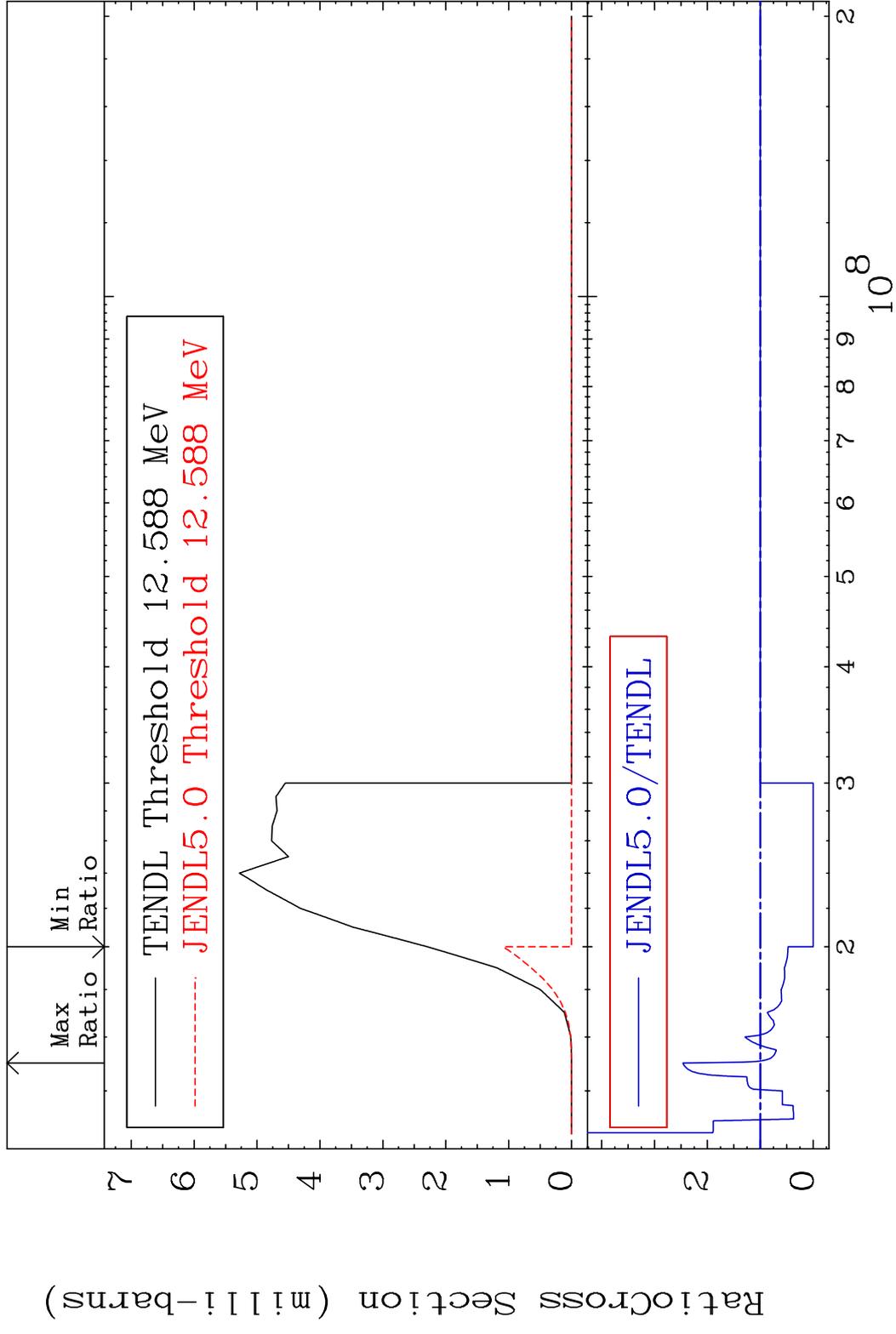
Incident Energy (eV)

<sup>22</sup>Ti-44

MAT 2219 (n,d) 22-Ti-44  
 Cross Section -100.0 To 9999. %

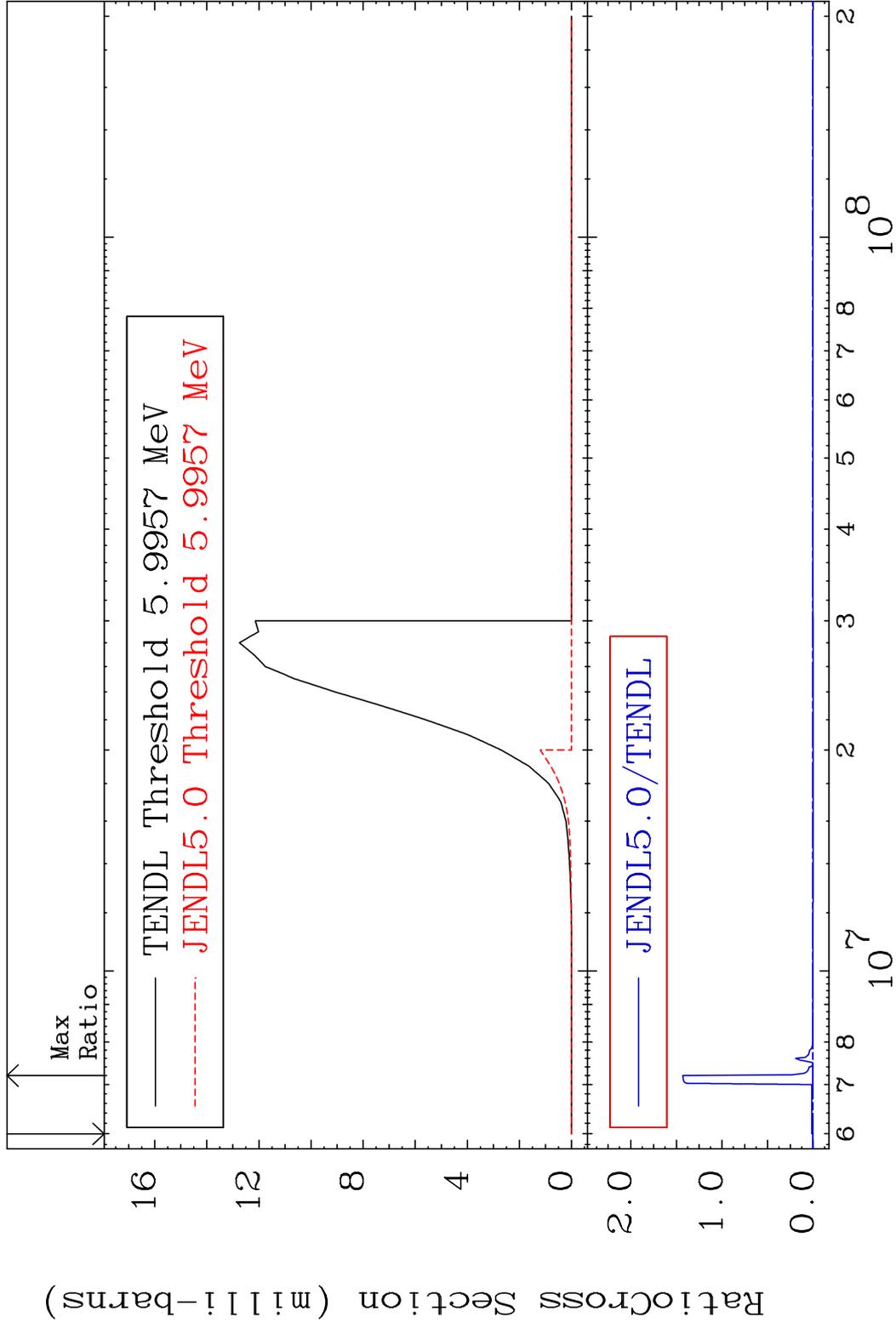


MAT 2219 (n, t) 22-Ti-44  
 Cross Section -100.0 To 146.5 %



30 Incident Energy (eV) 22-Ti-44

MAT 2219 (n, He-3) <sup>22</sup>Ti-44  
 Cross Section -100.0 To 9999. %

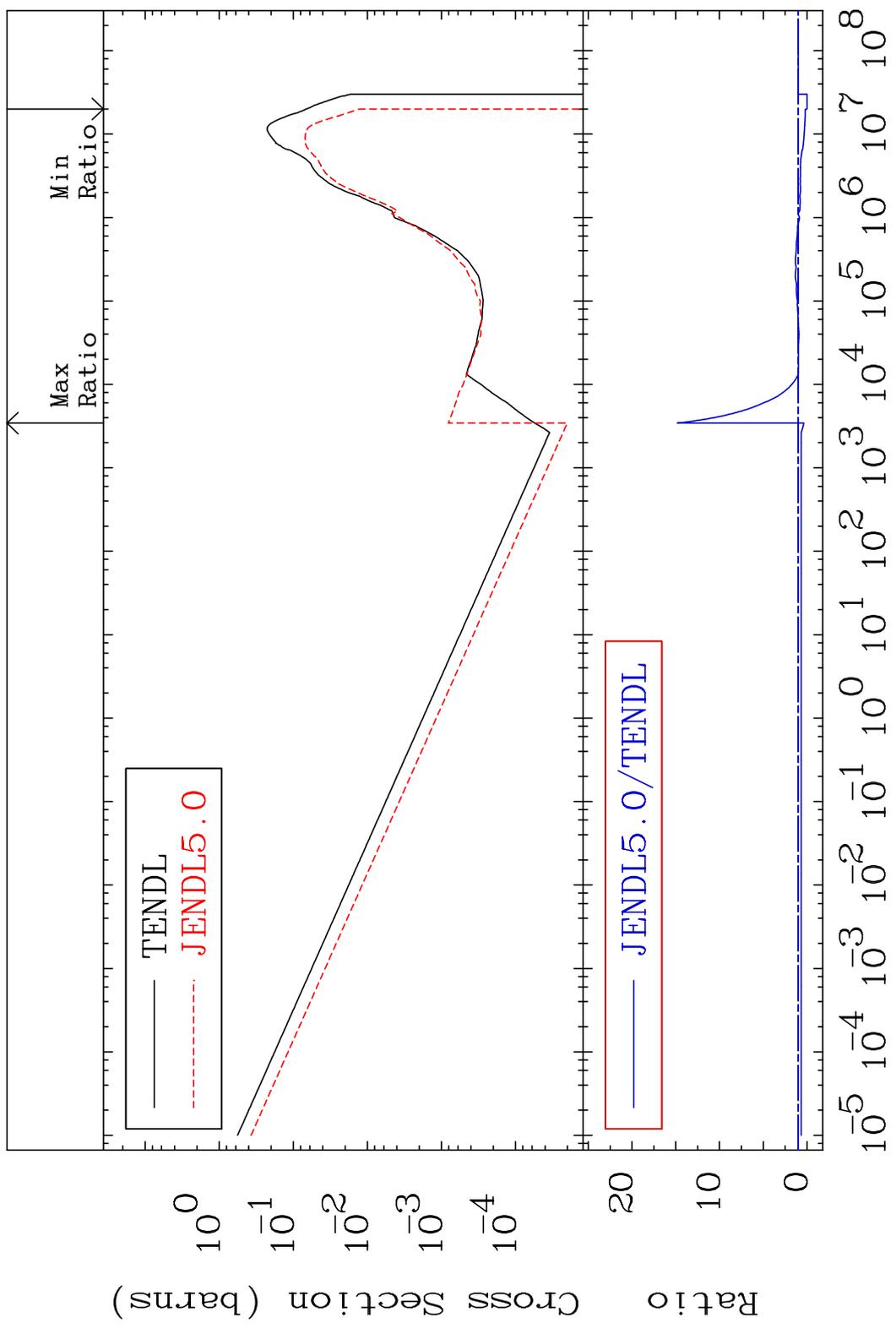


MAT 2219

(n,  $\alpha$ )

22-Ti-44

Cross Section -100.0 To 1378. %

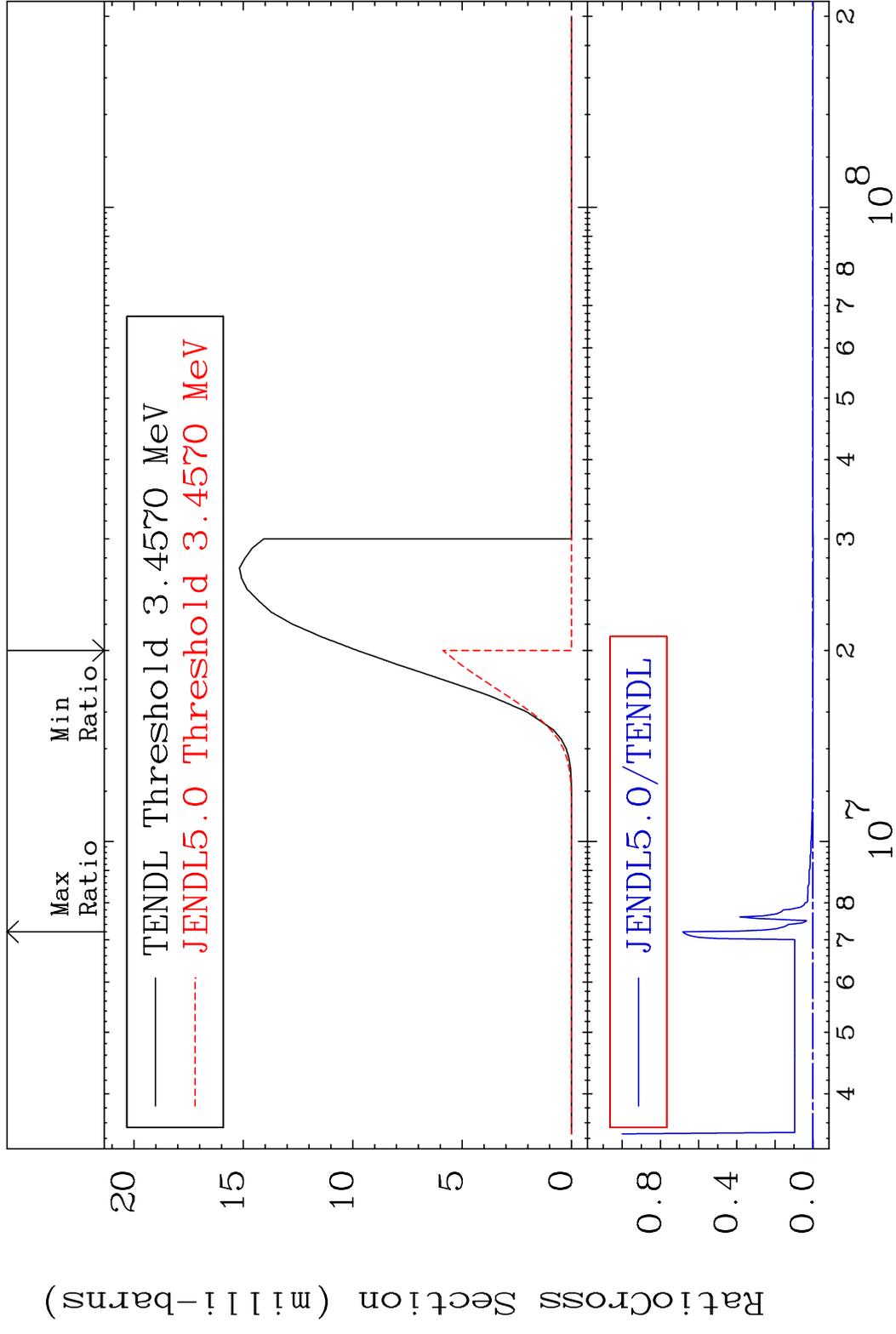


32

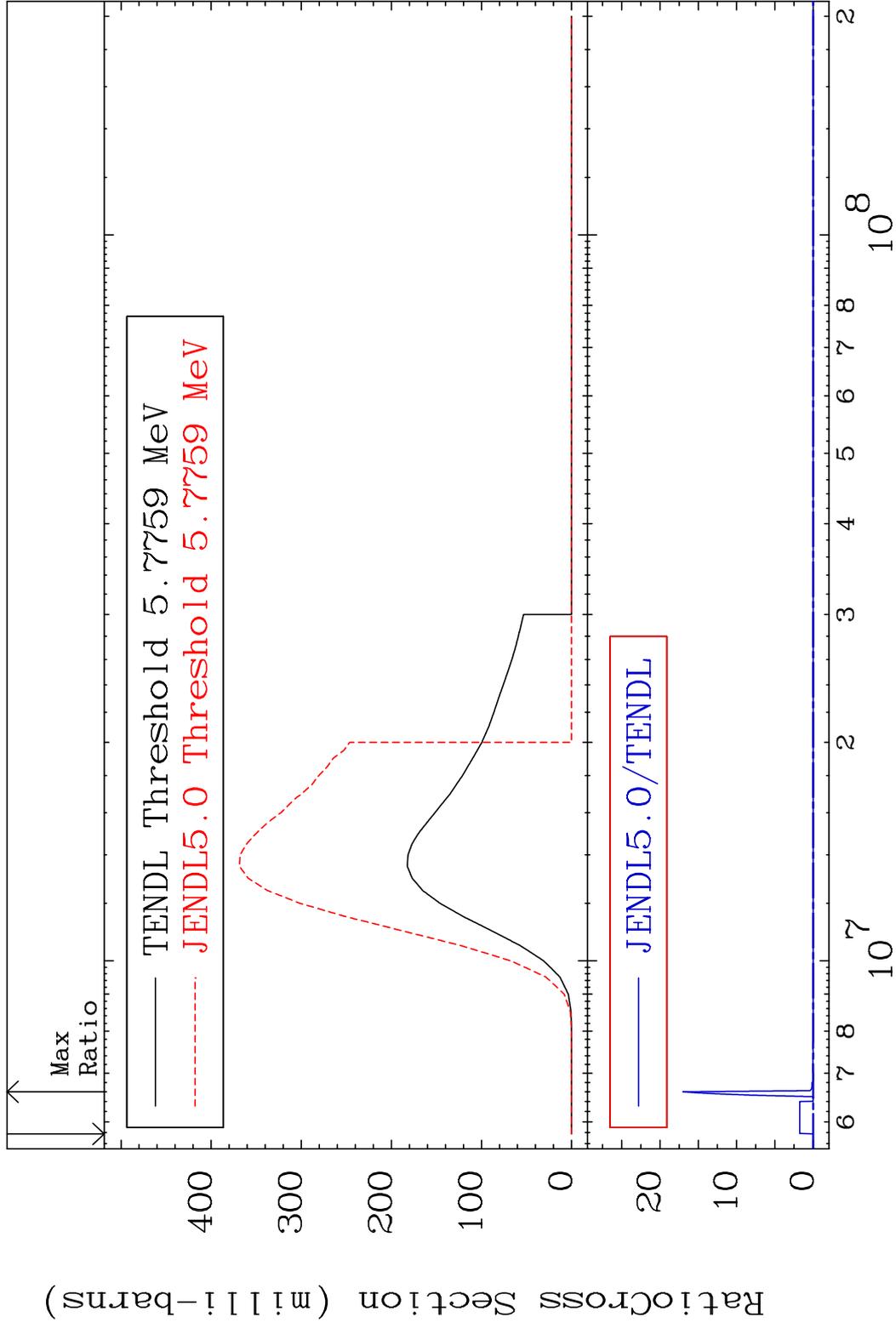
Incident Energy (eV)

22-Ti-44

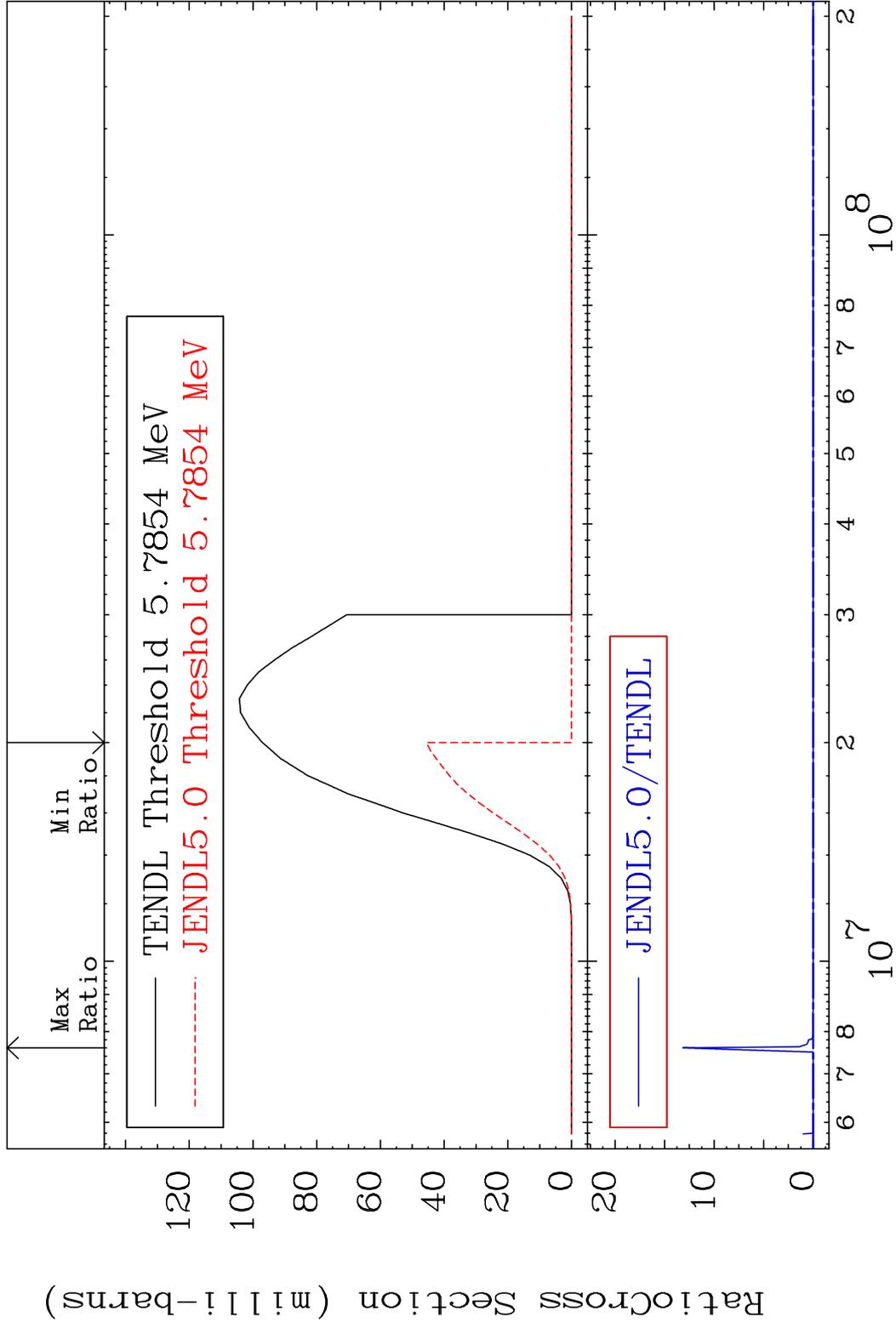
MAT 2219 (n,2α) 22-Ti-44  
 Cross Section -100.0 To 9999. %



MAT 2219 (n,2p) 22-Ti-44  
 Cross Section -100.0 To 9999. %

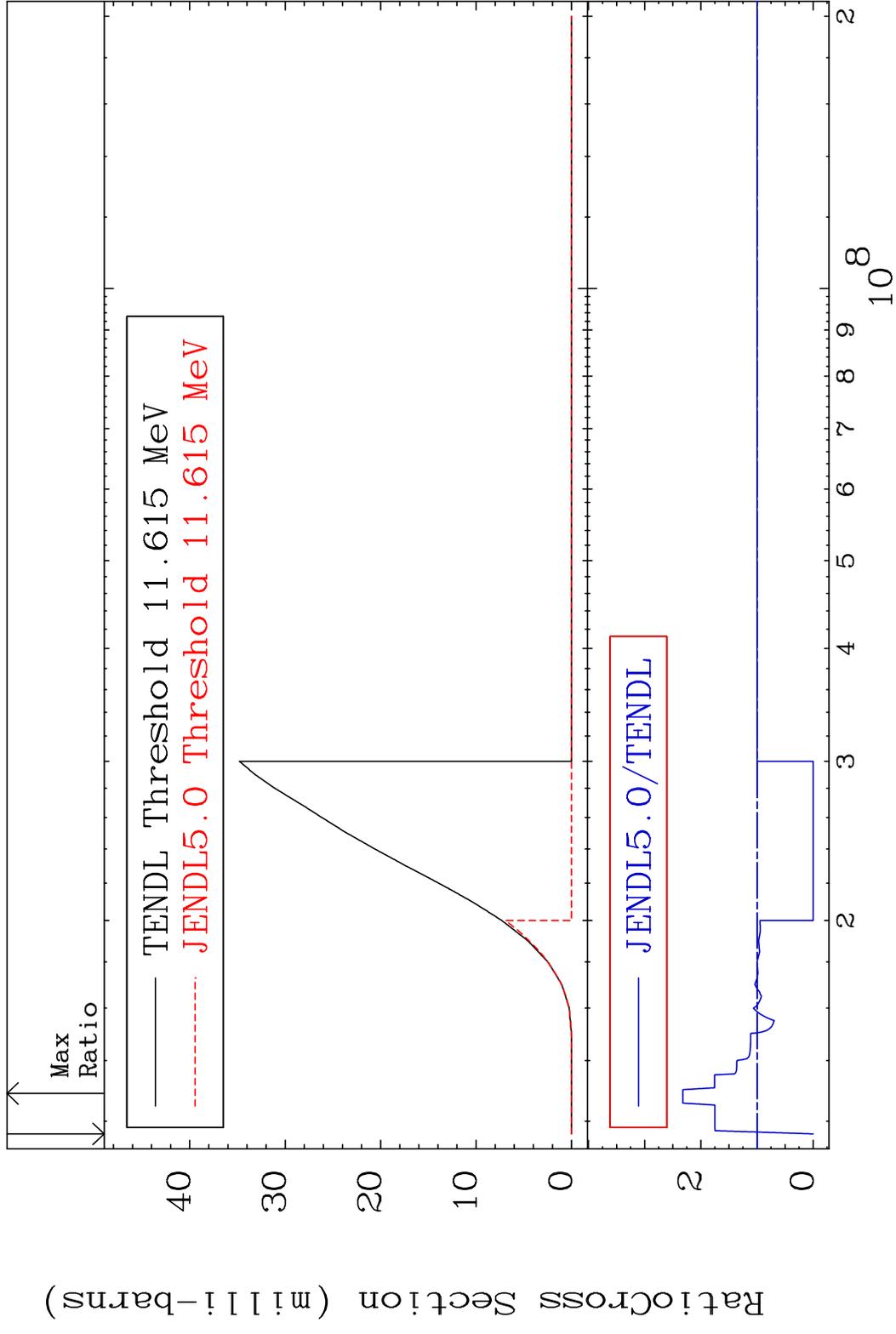


MAT 2219 (n,p)  $\alpha$   $^{22}\text{Ti-44}$   
 Cross Section -100.0 To 9999. %

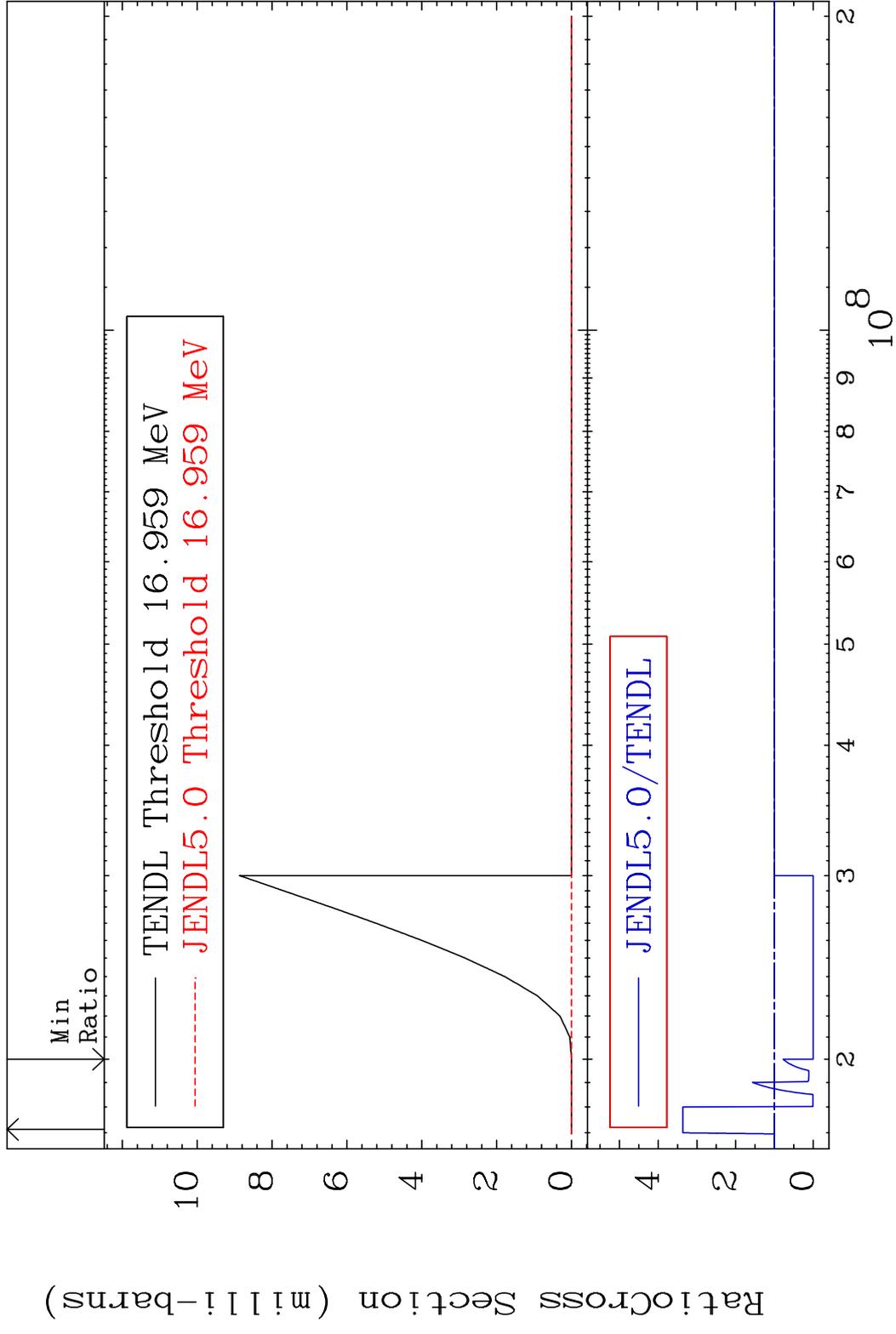


35 Incident Energy (eV)  $^{22}\text{Ti-44}$

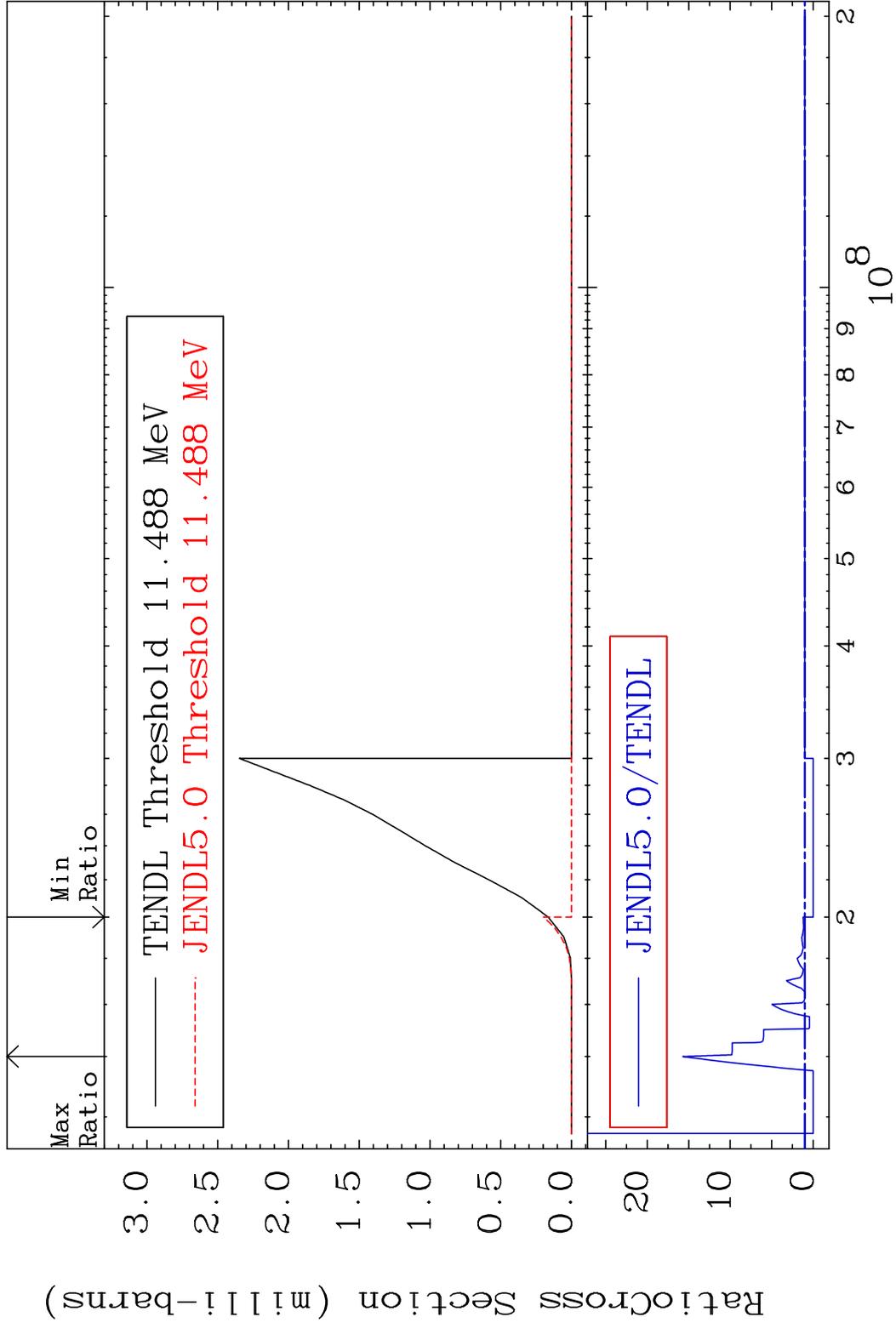
MAT 2219 (n,p) d 22-Ti-44  
 Cross Section -100.0 To 132.0 %



MAT 2219 (n,p) t 22-Ti-44  
 Cross Section -100.0 To 236.4 %



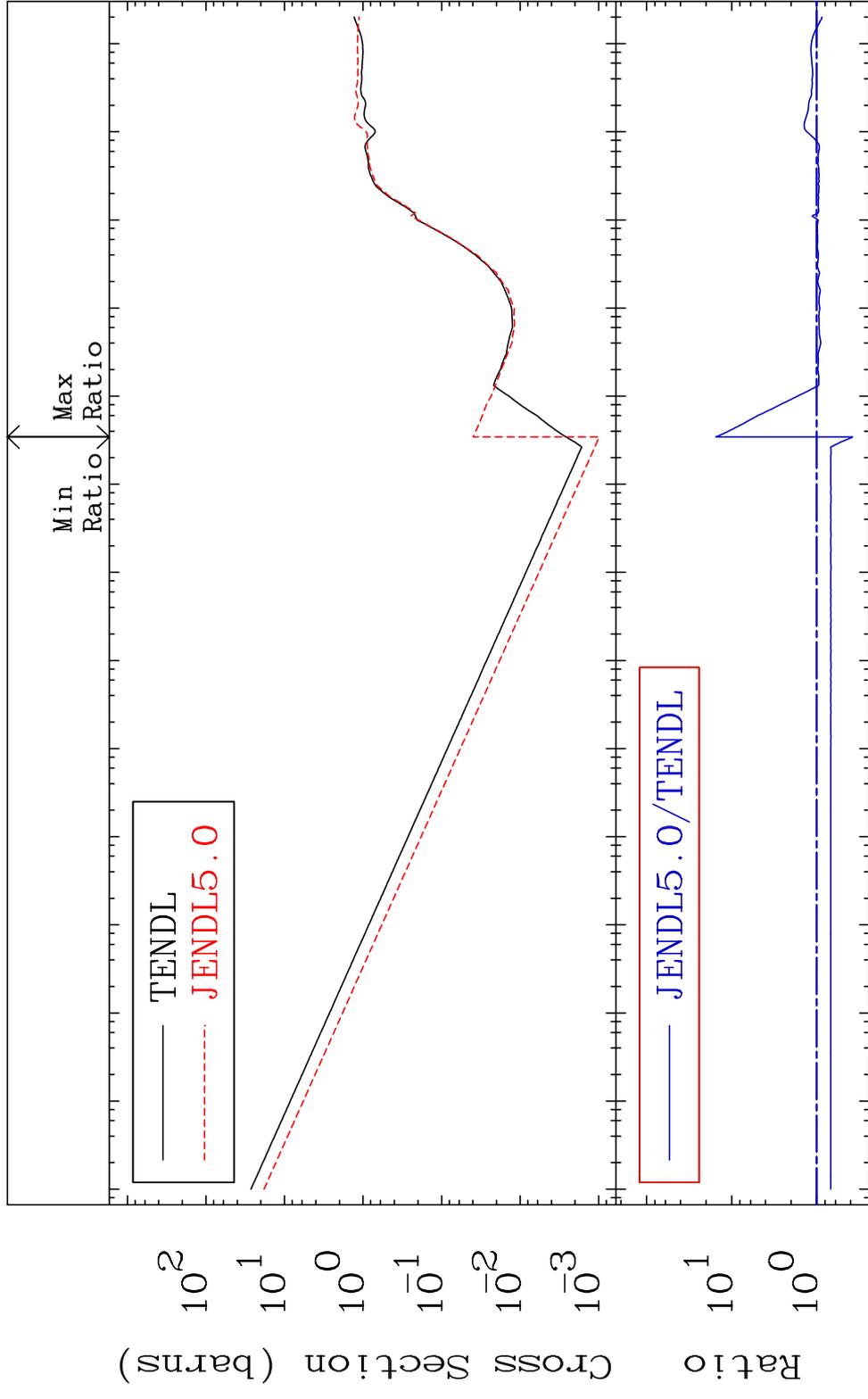
MAT 2219 (n,d)  $\alpha$   $^{22}\text{Ti-44}$   
 Cross Section -100.0 To 1471. %



MAT 2219

Hydrogen Production  
Cross Section -61.98 To 1433. %

22-Ti-44

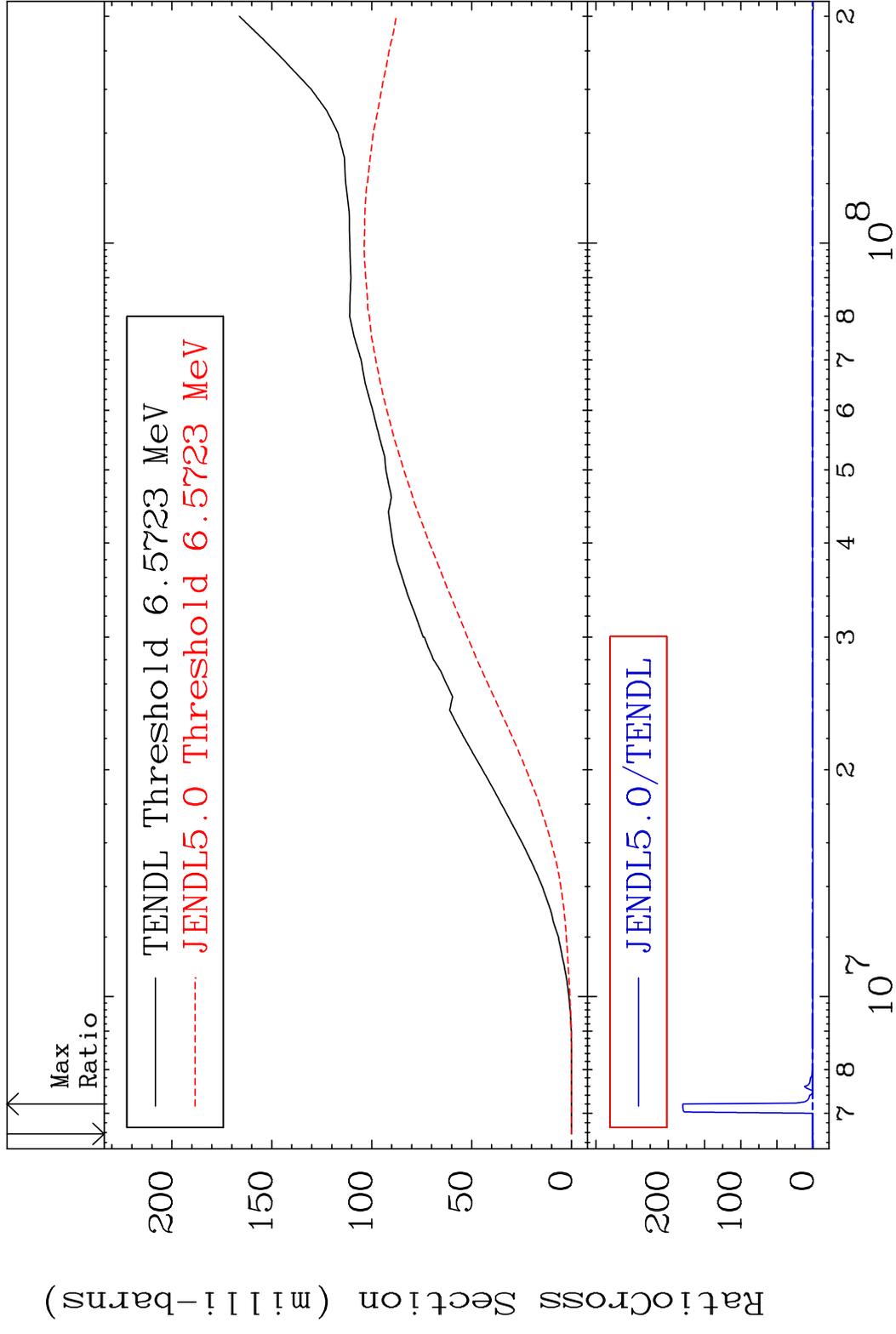


39

Incident Energy (eV)

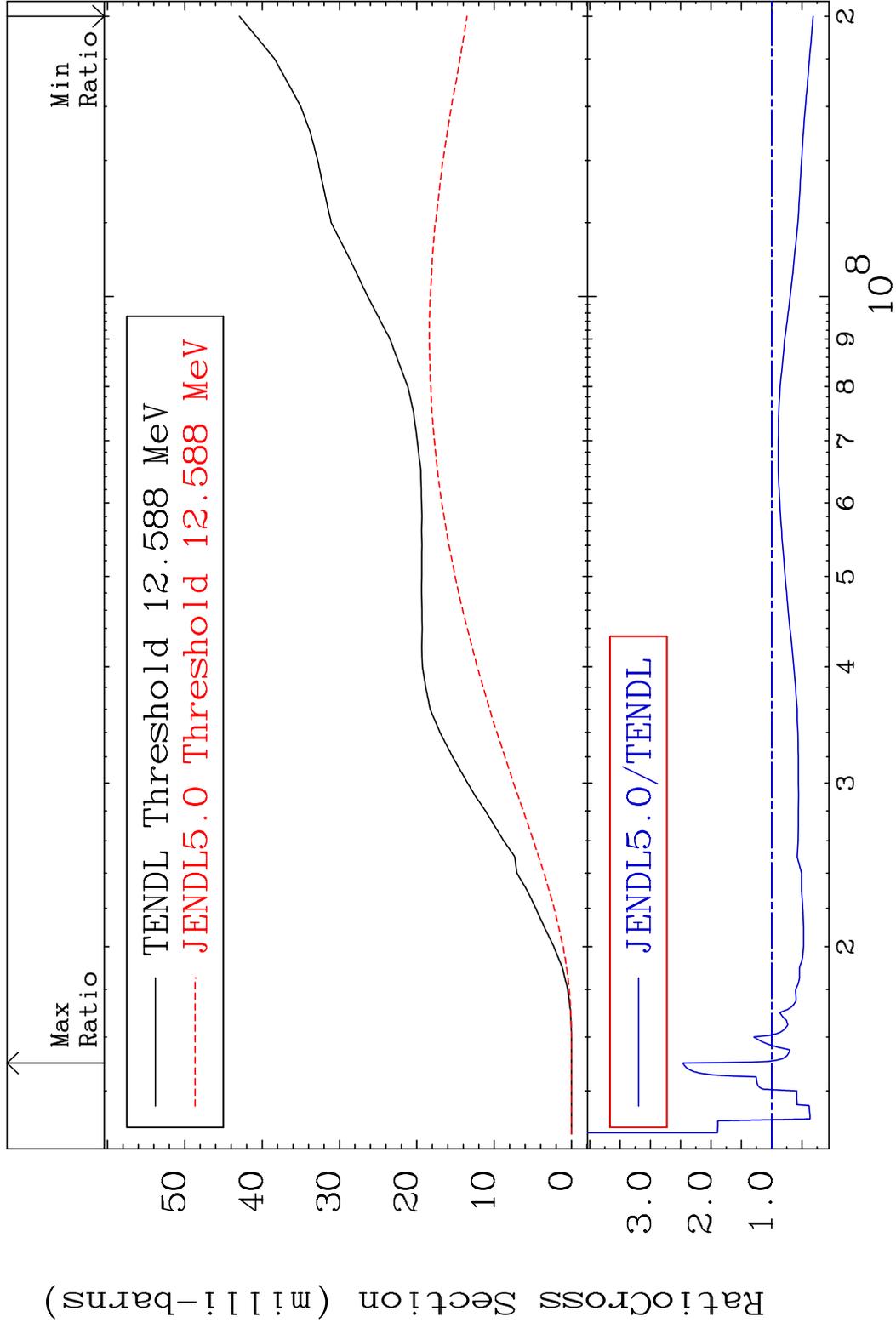
22-Ti-44

MAT 2219 Deuterium Production  $^{22}\text{Ti-44}$   
 Cross Section -100.0 To 9999. %

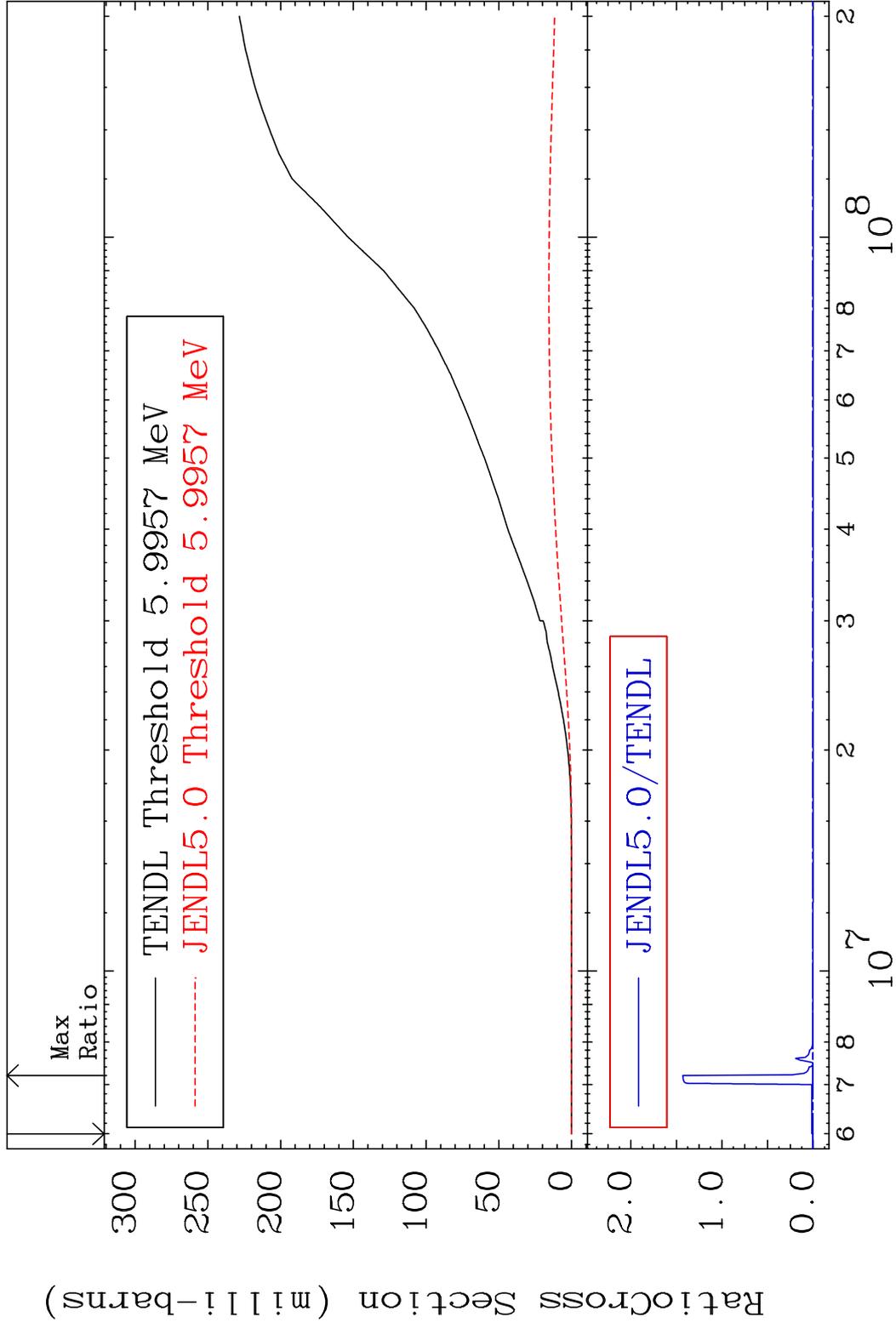


40 Incident Energy (eV)  $^{22}\text{Ti-44}$

MAT 2219 Tritium Production  $^{22}\text{Ti-44}$   
 Cross Section -68.52 To 146.5 %



MAT 2219 He-3 Production 22-Ti-44  
 Cross Section -100.0 To 9999. %

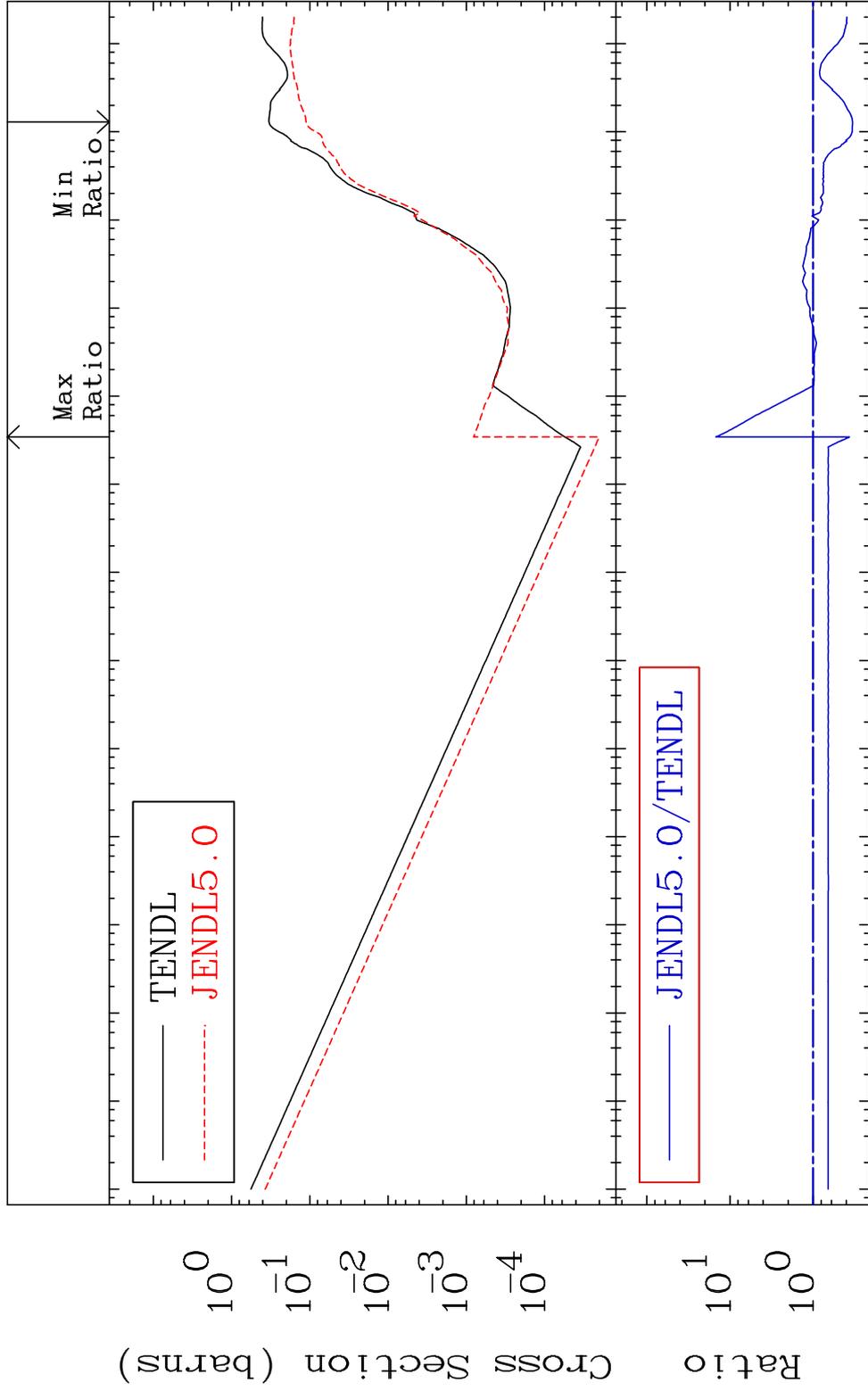


MAT 2219

He-4 Production

22-Ti-44

Cross Section -66.35 To 1378. %

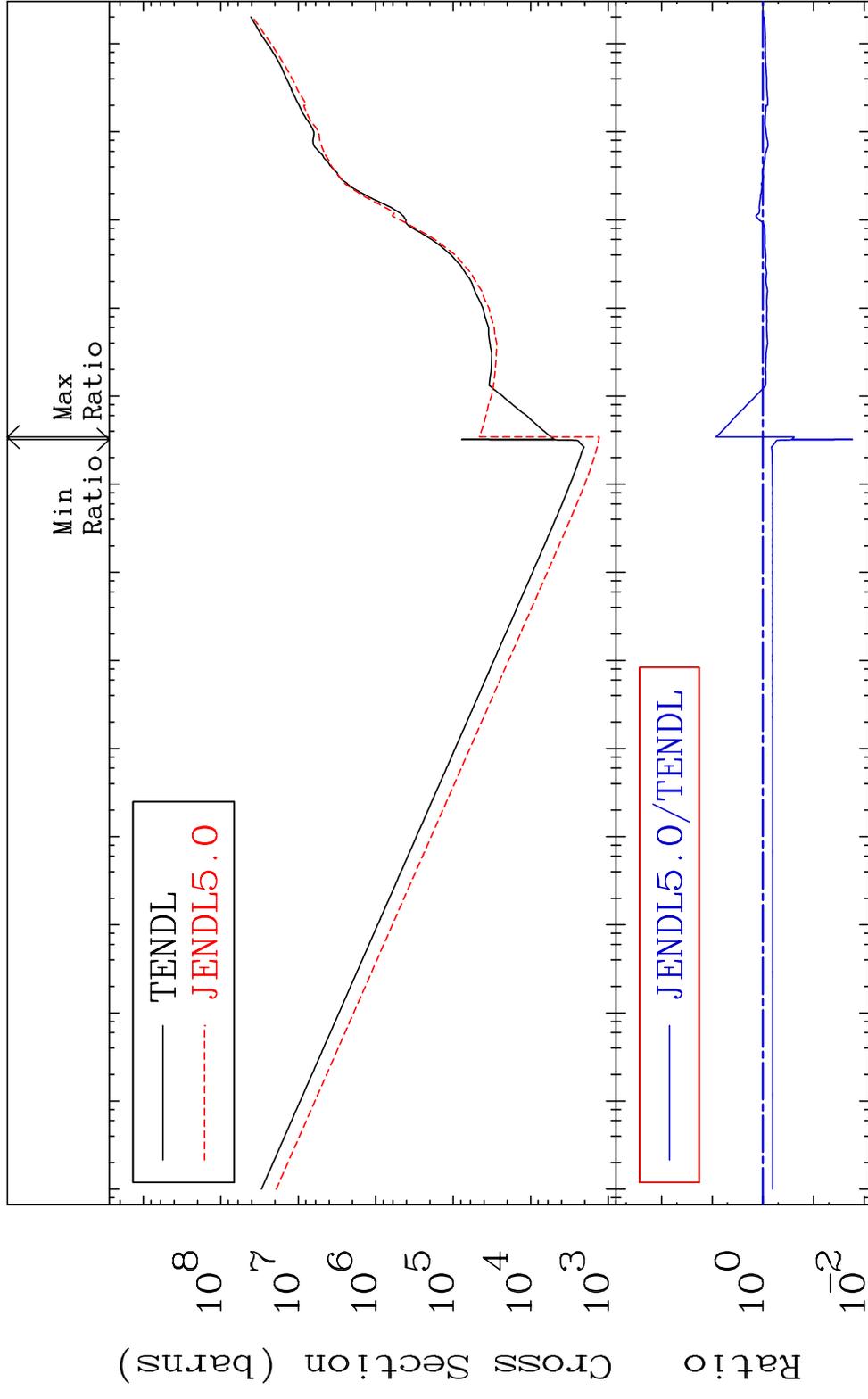


43

Incident Energy (eV)

22-Ti-44

MAT 2219 Kerma total (eV-barns) 22-Ti-44  
 Cross Section -98.30 To 748.9 %

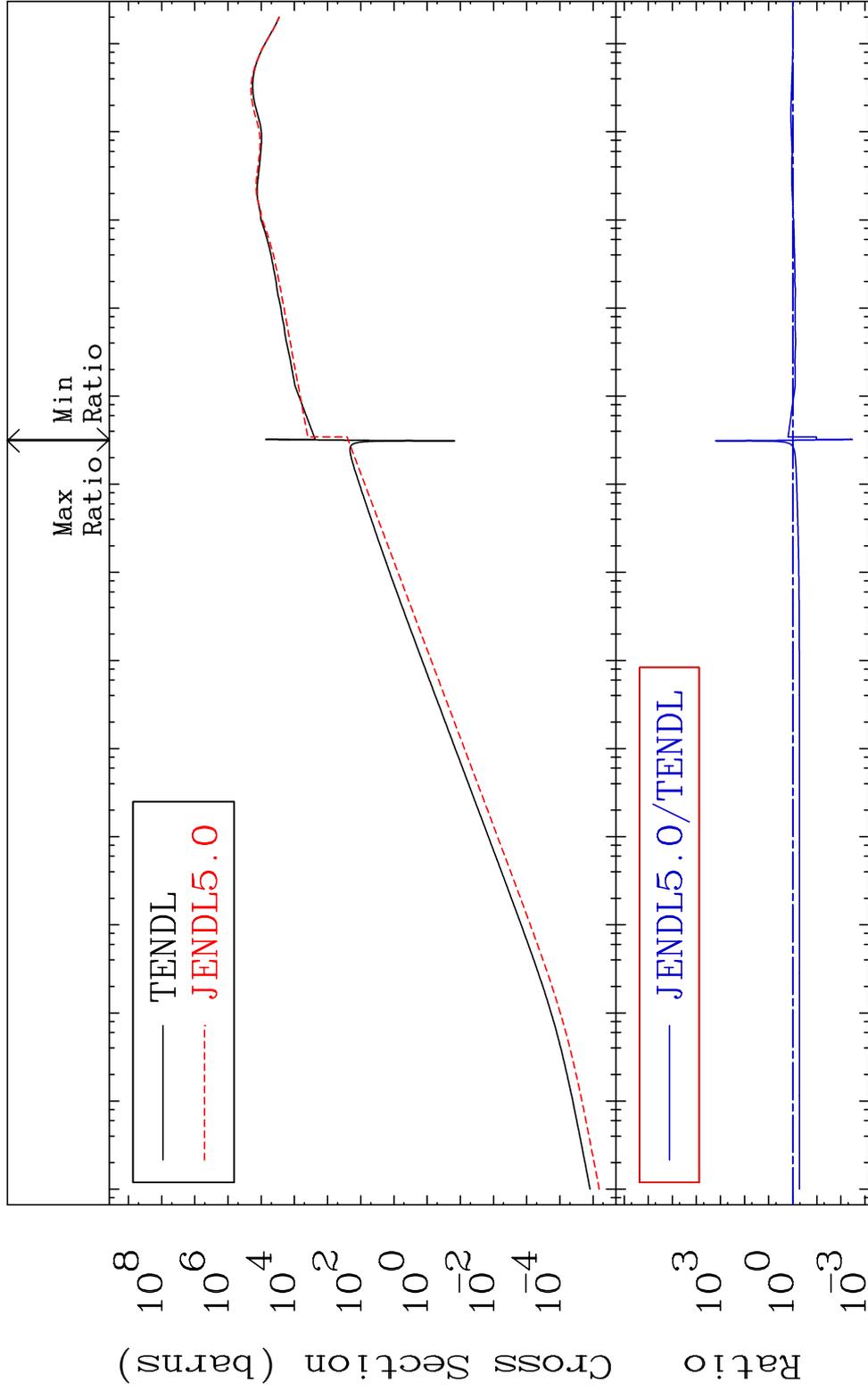


44 Incident Energy (eV) 22-Ti-44

MAT 2219

Kerma elastic  
Cross Section

22-Ti-44  
-99.67 To 9999. %

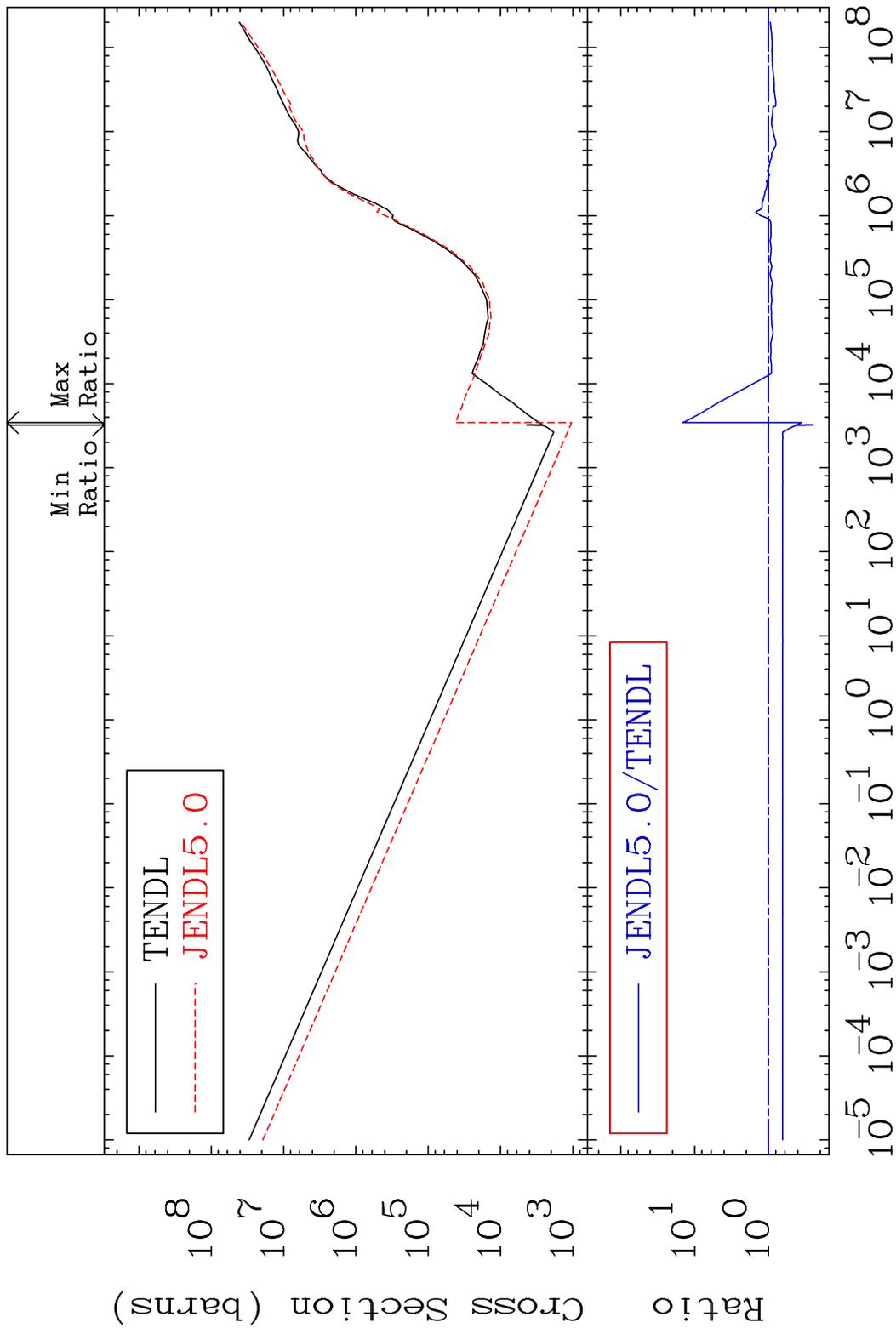


45

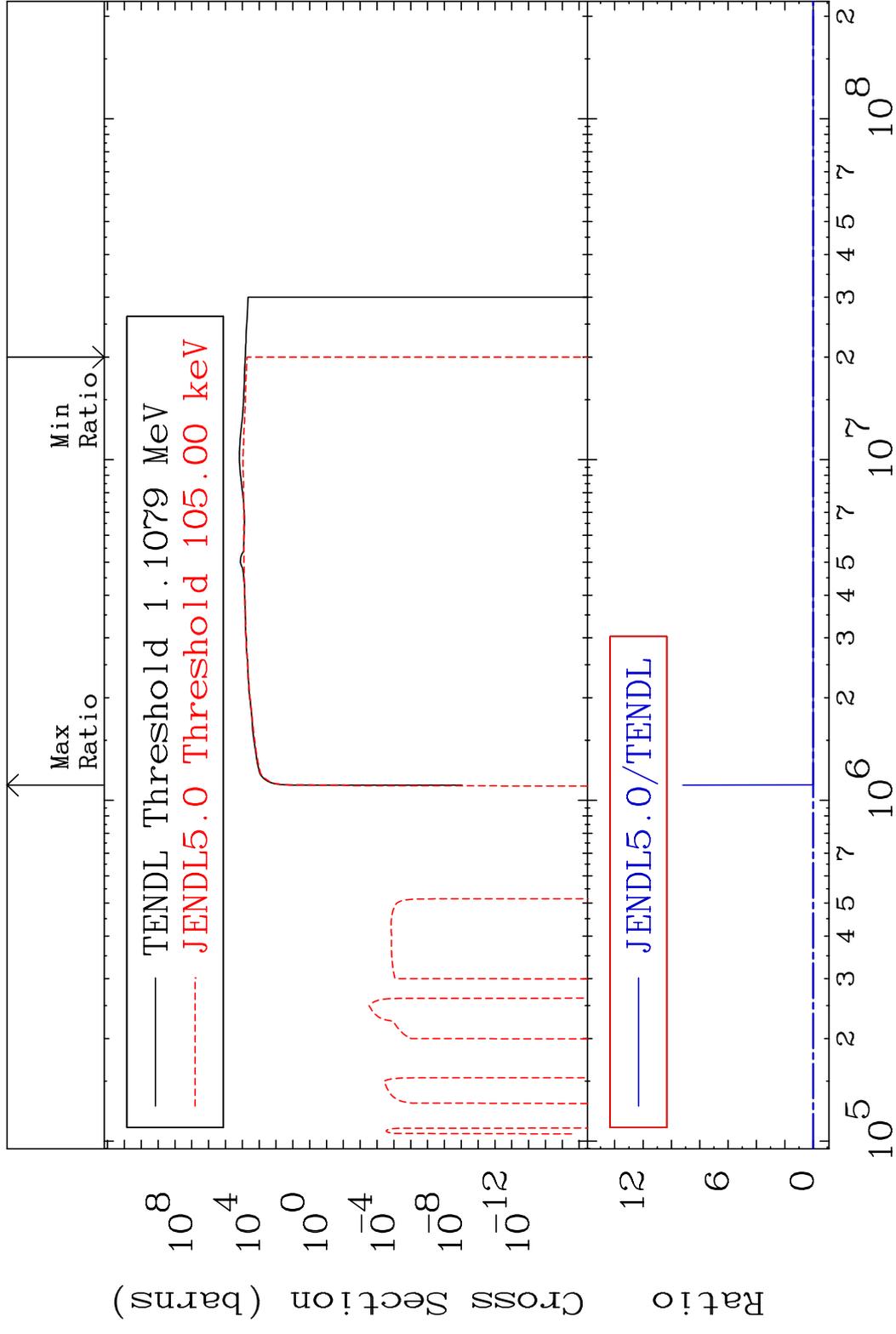
Incident Energy (eV)

22-Ti-44

MAT 2219 Kerma non-elastic (all but mt2) 22-Ti-44  
 Cross Section -75.11 To 1349. %

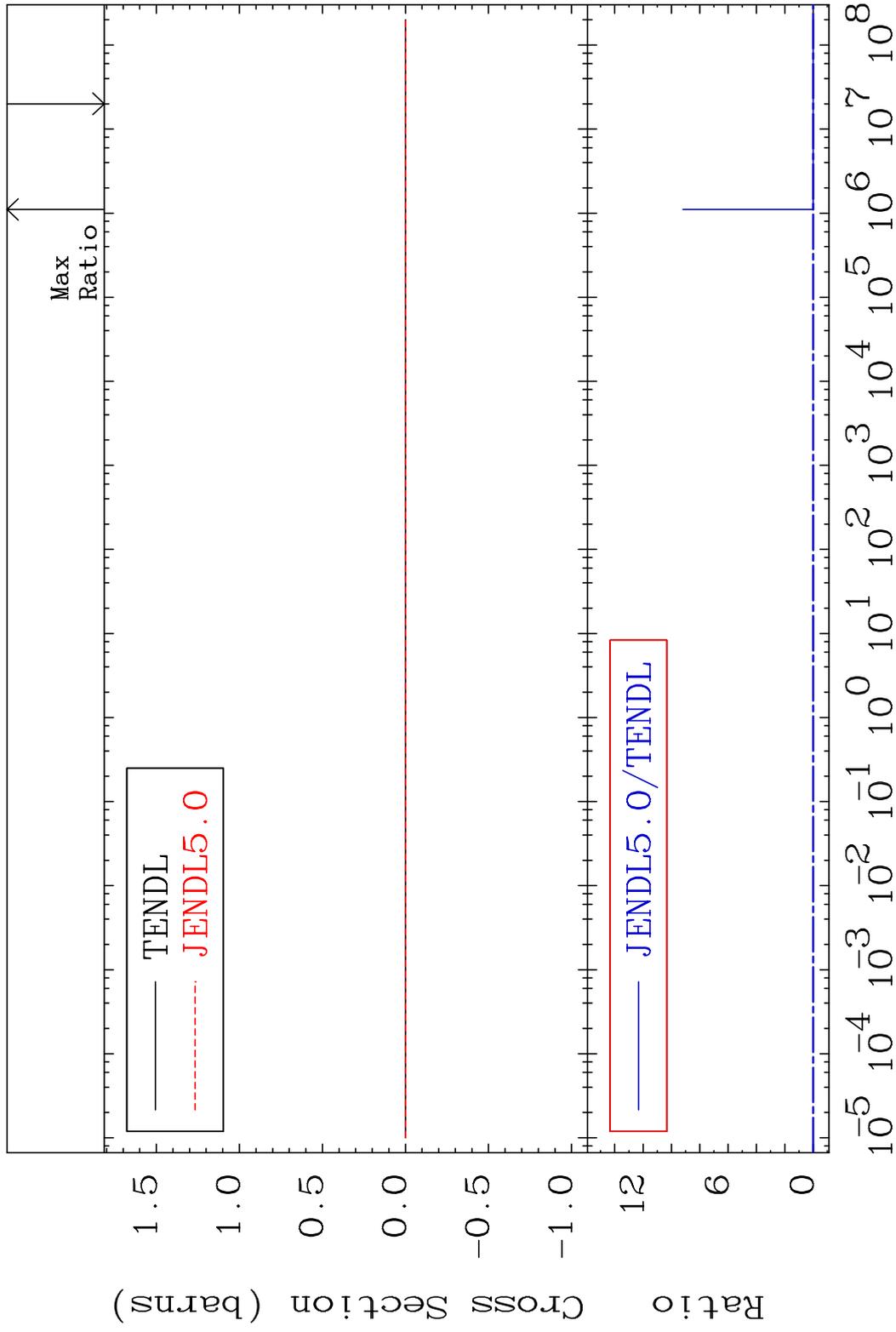


MAT 2219 Kerma inelastic (mt51-91) 22-Ti-44  
 Cross Section -100.0 To 9999. %



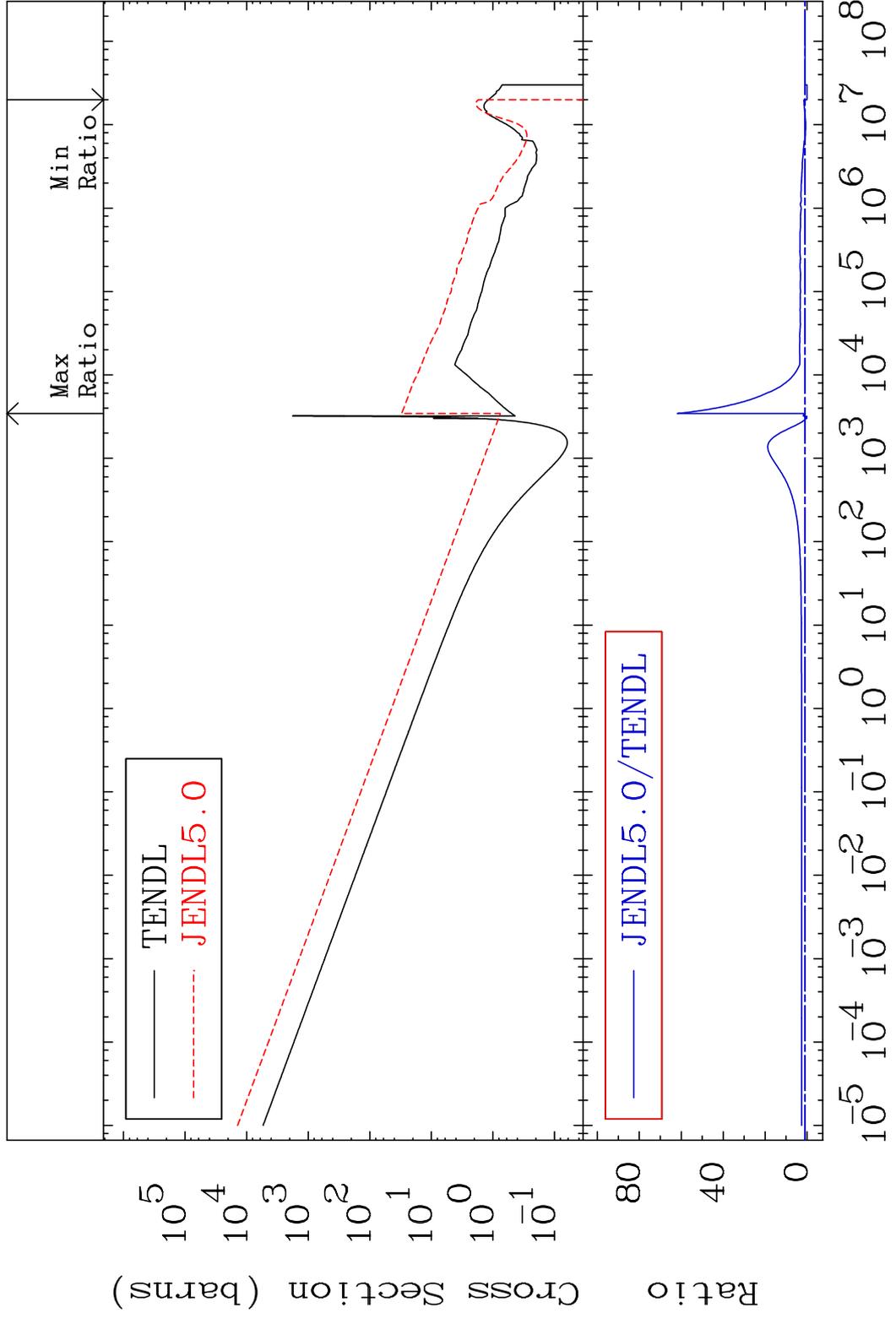
47 Incident Energy (eV) 22-Ti-44

MAT 2219 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-44  
 Cross Section -100.0 To 9999. %



MAT 2219

Kerma capture (mt102) 22-Ti-44  
Cross Section -100.0 To 6069. %

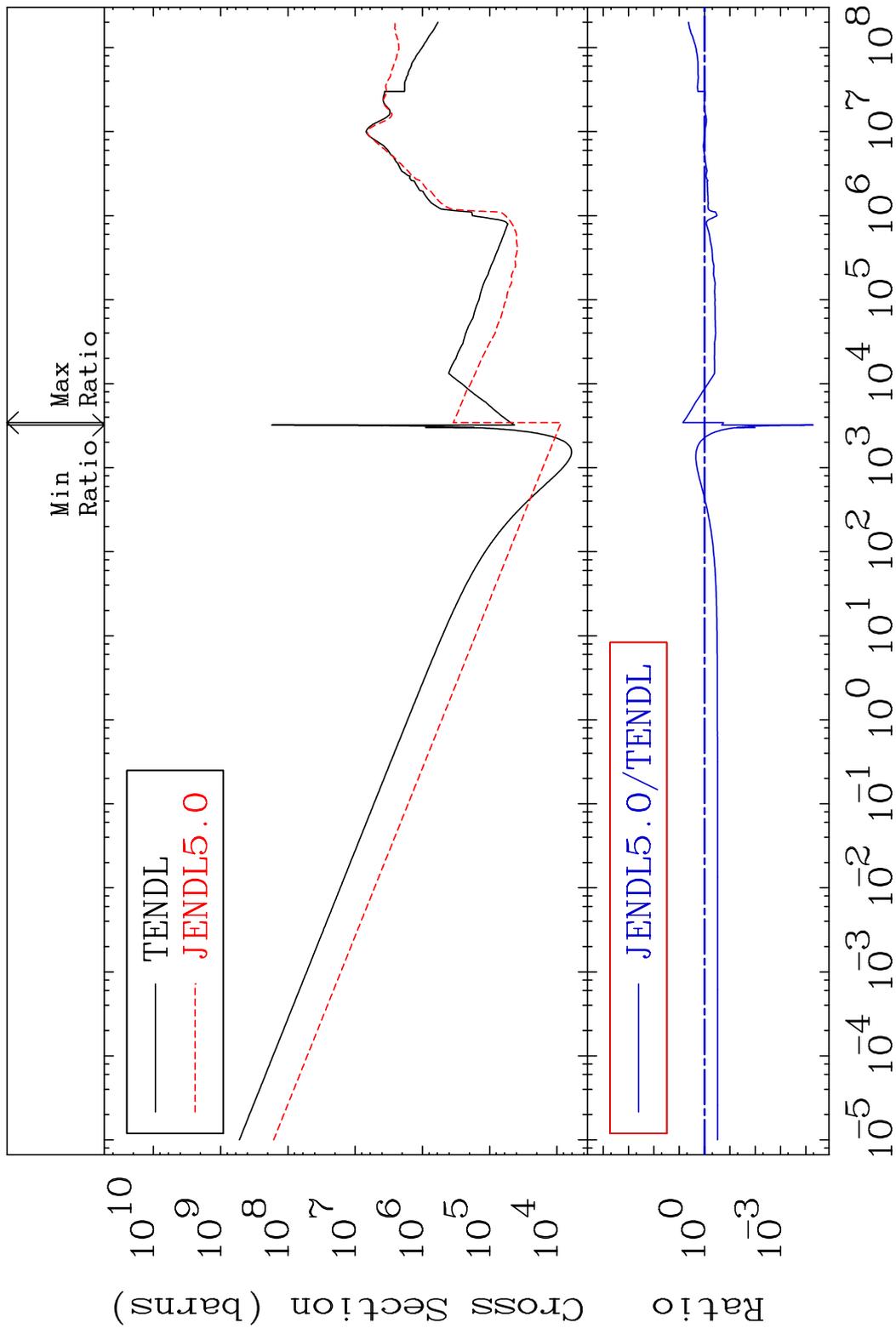


49

Incident Energy (eV)

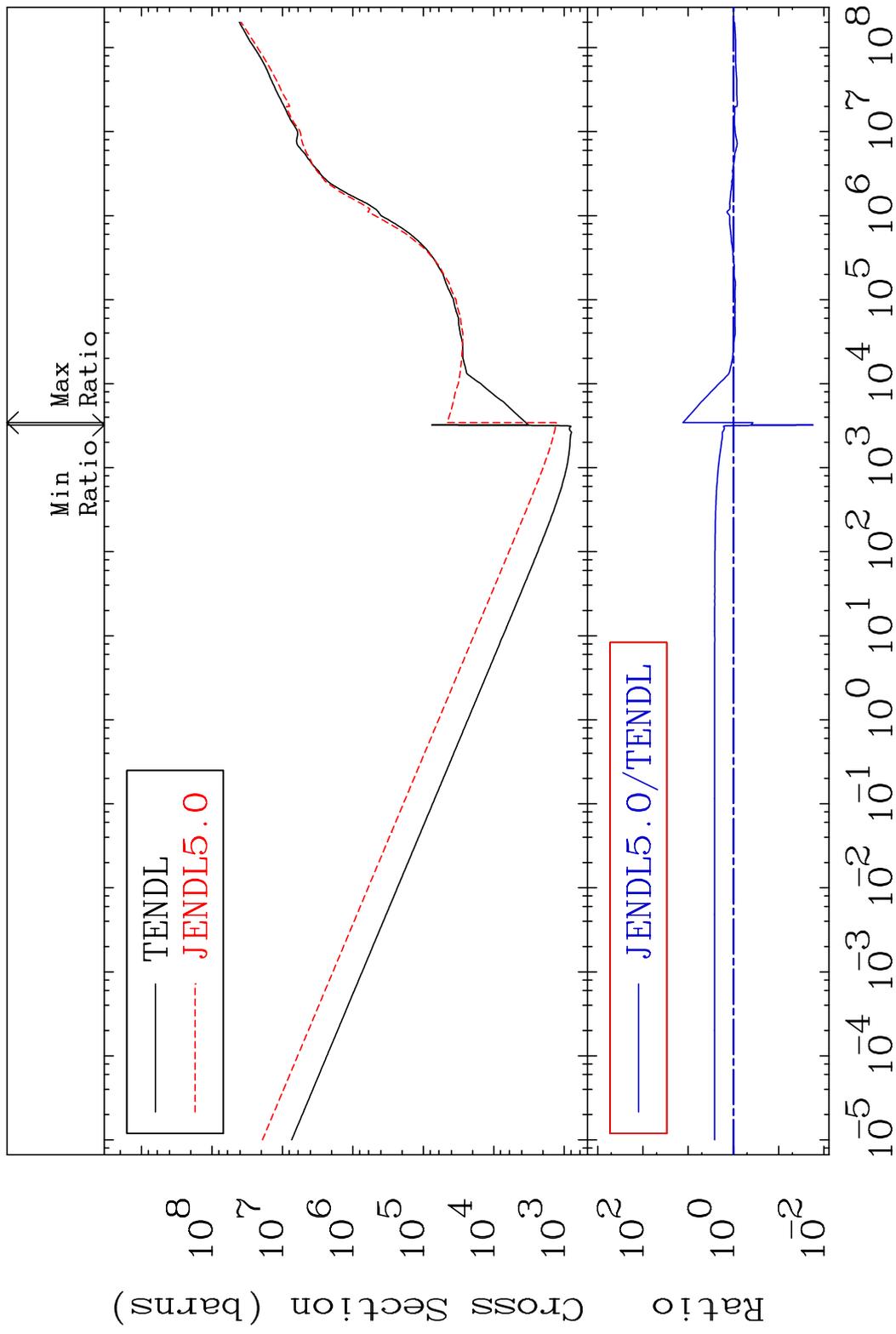
22-Ti-44

MAT 2219 Total photon (eV-barns) 22-Ti-44  
Cross Section -99.99 To 622.0 %

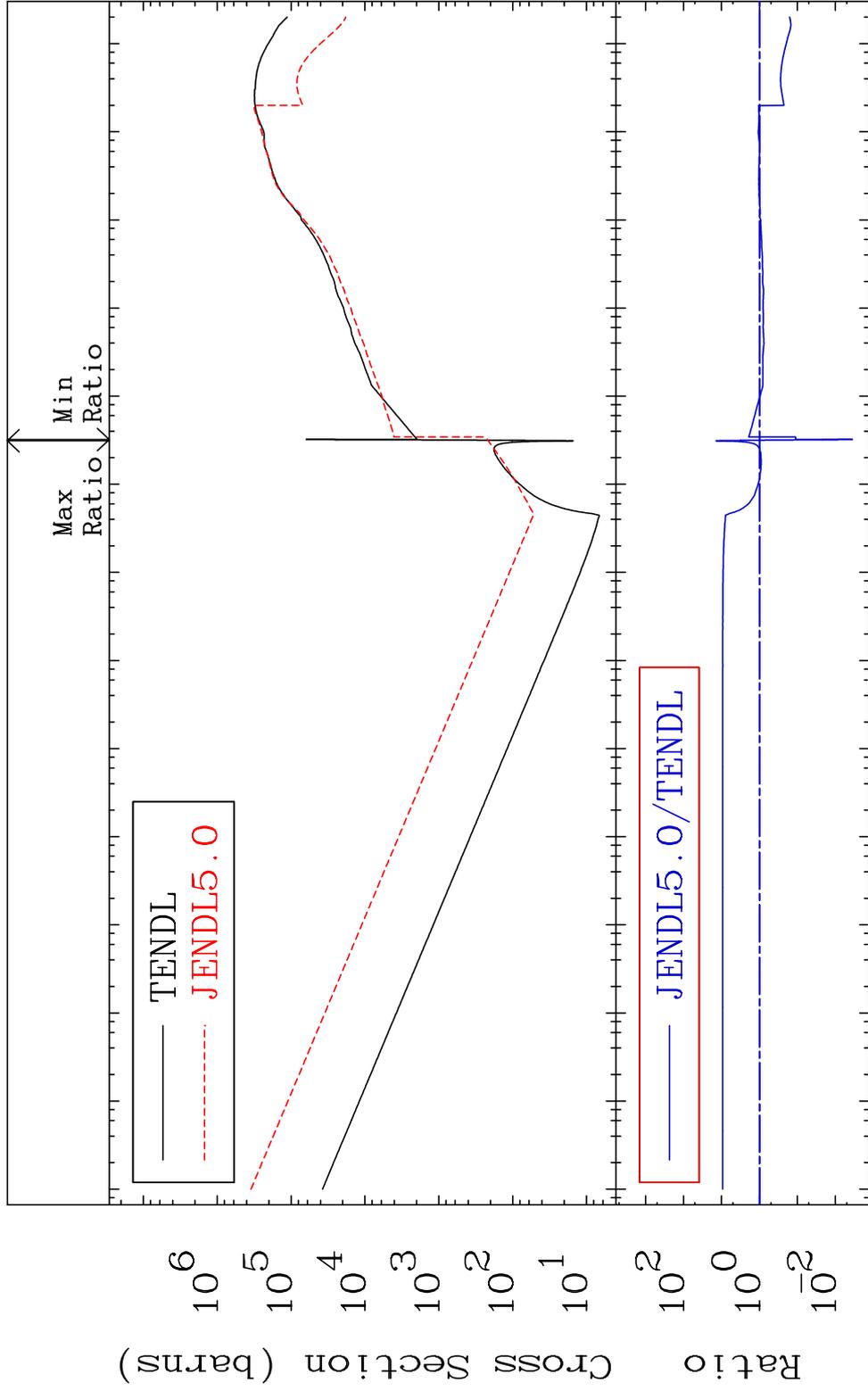


50 Incident Energy (eV) 22-Ti-44

MAT 2219 Total kinematic kerma (high limit) 22-Ti-44  
 Cross Section -98.27 To 1212. %



MAT 2219      Dpa total (eV-barns)      22-Ti-44  
 Cross Section      -99.65 To 1303. %



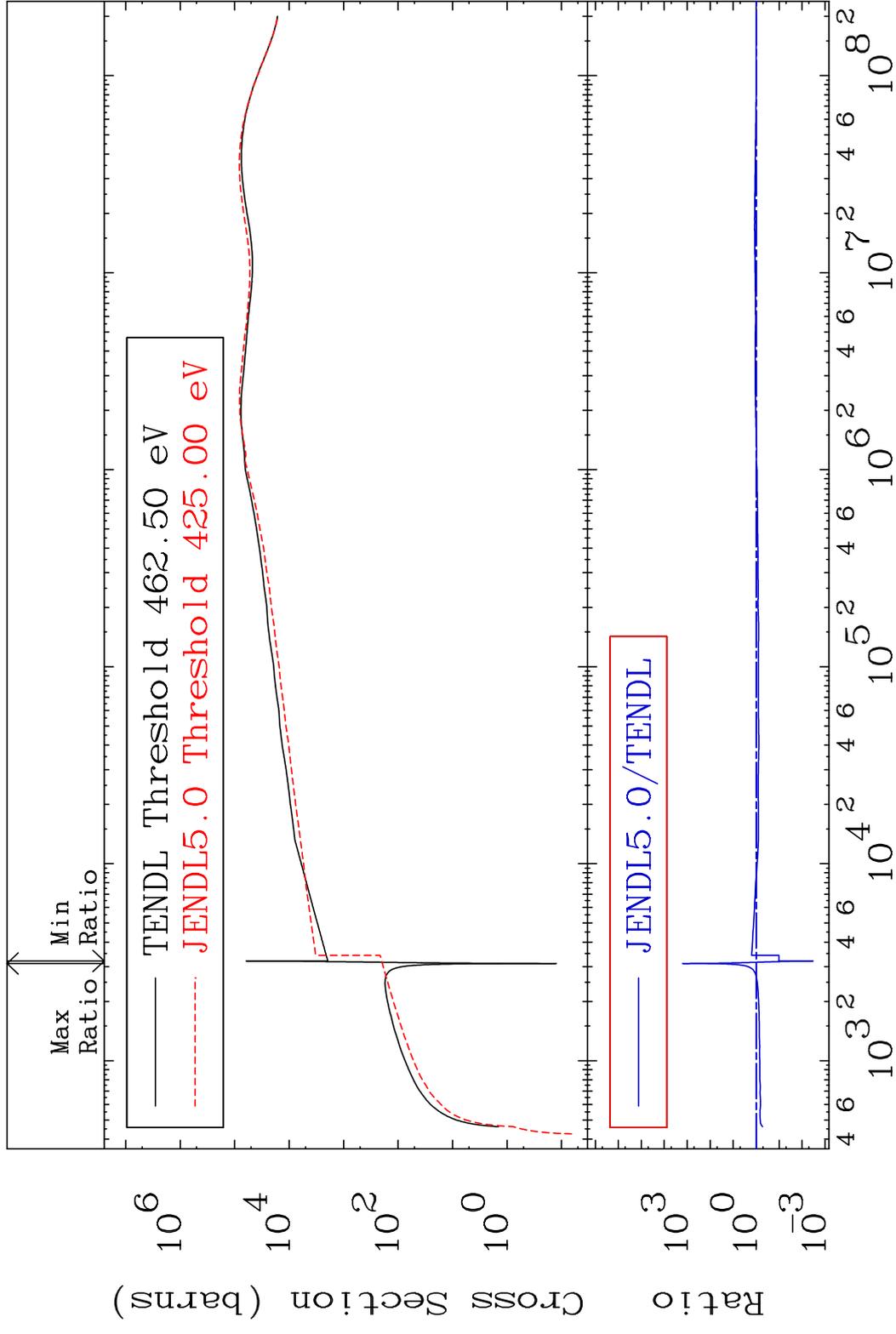
52      Incident Energy (eV)      22-Ti-44

MAT 2219

Dpa elastic (mt2)

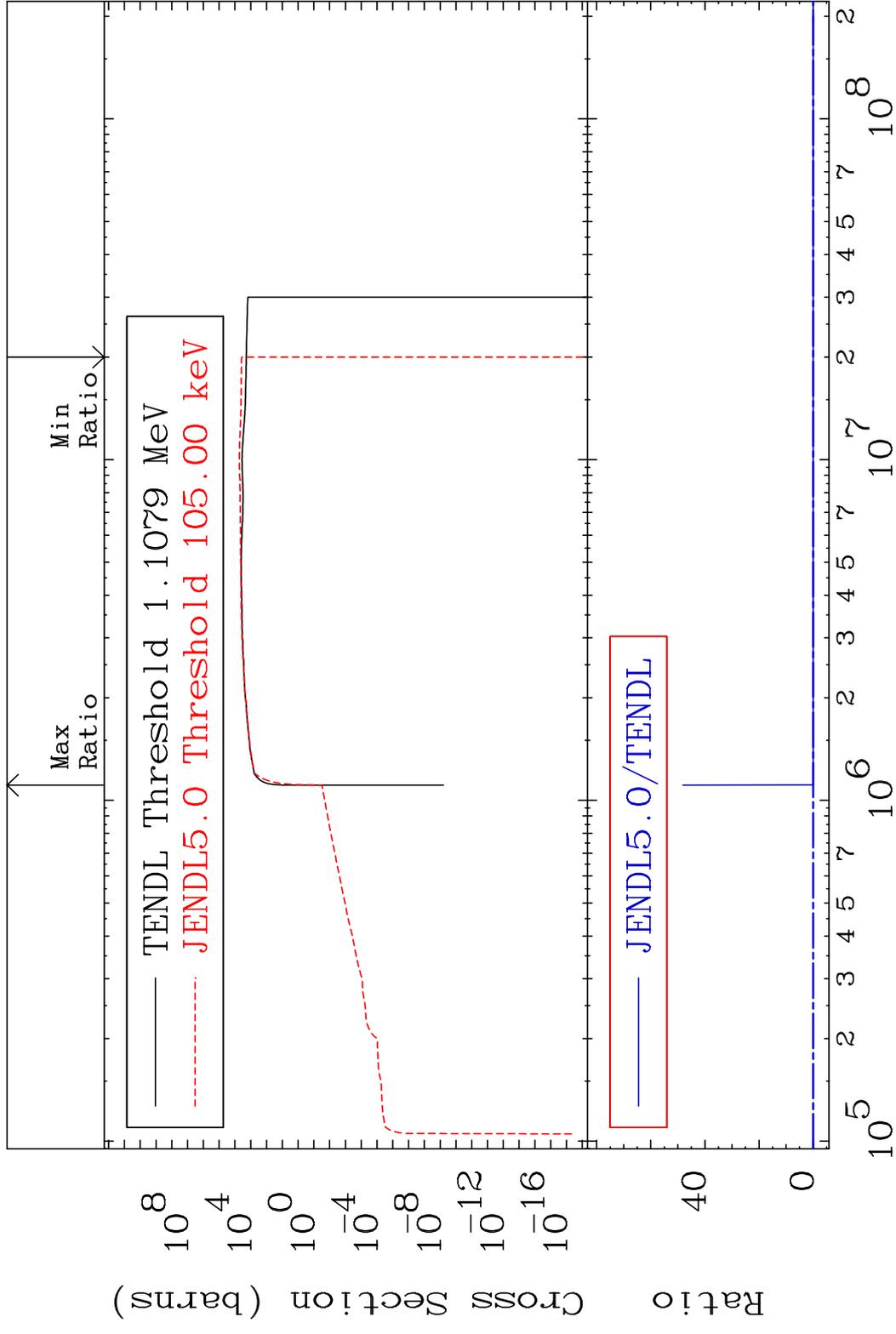
22-Ti-44

Cross Section -99.67 To 9999. %



MAT 2219

Dpa inelastic (mt51-91) 22-Ti-44  
Cross Section -100.0 To 9999. %

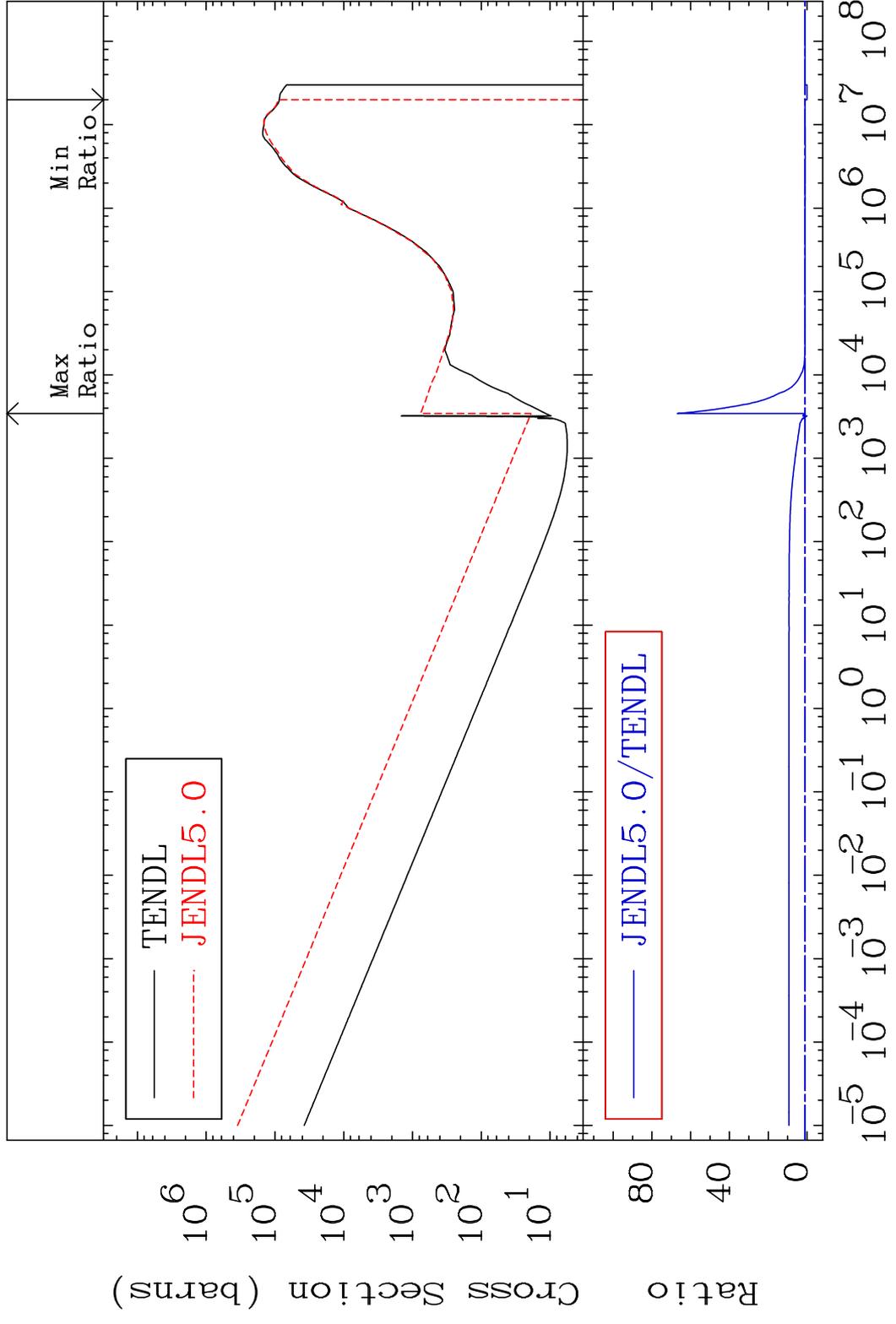


54

Incident Energy (eV)

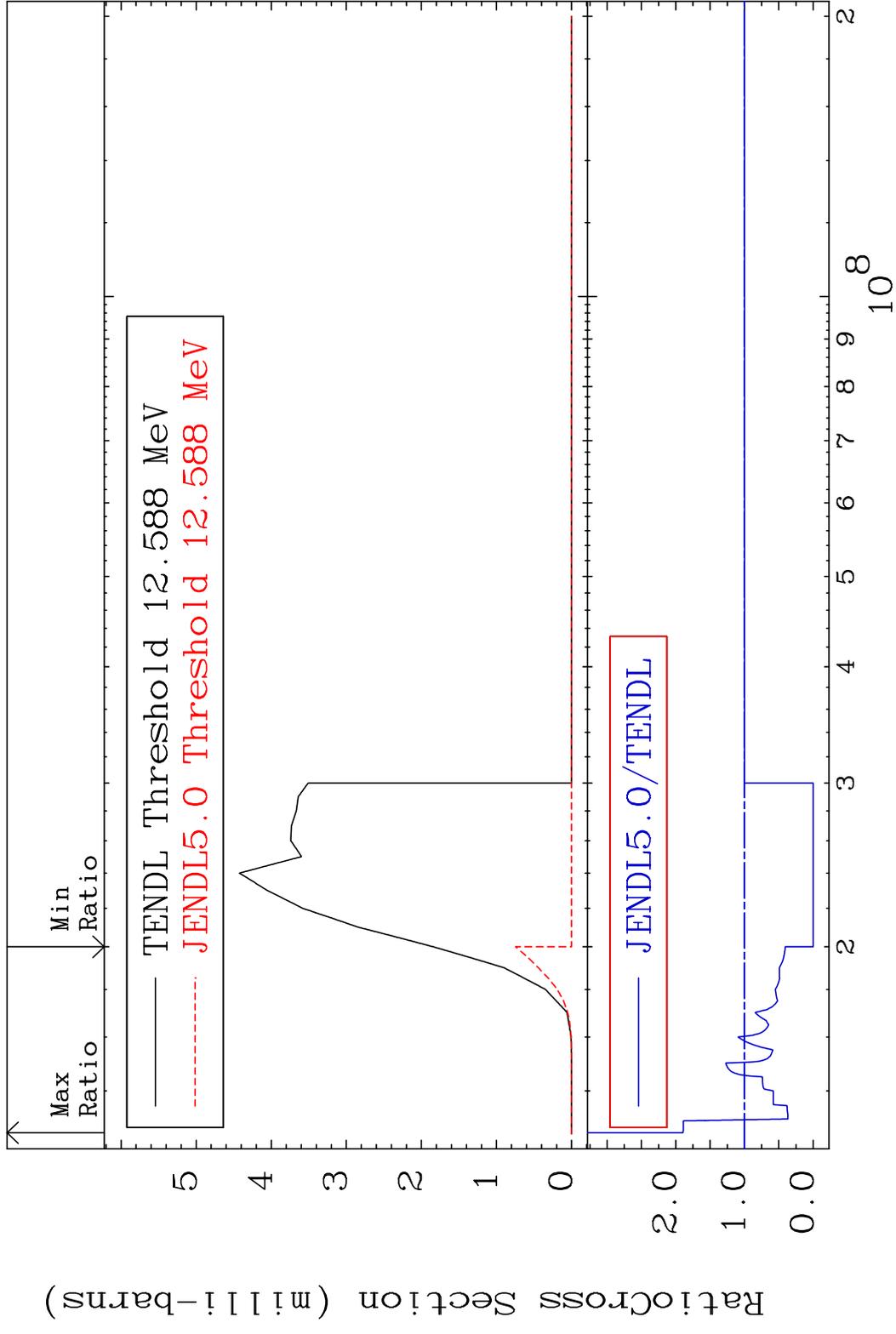
22-Ti-44

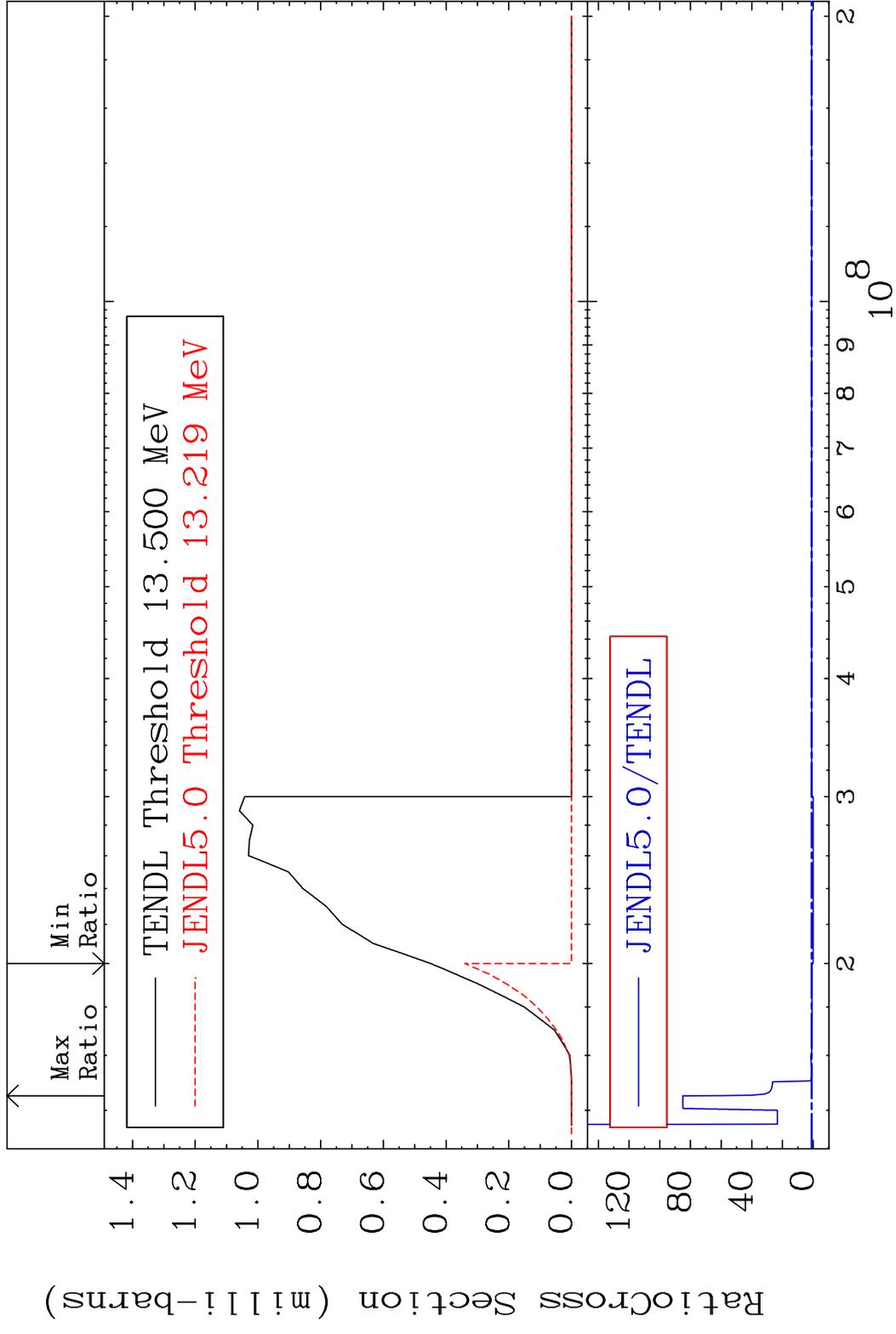
MAT 2219 Dpa disappearance (mt102 -120) 22-Ti-44  
 Cross Section -100.0 To 6571. %



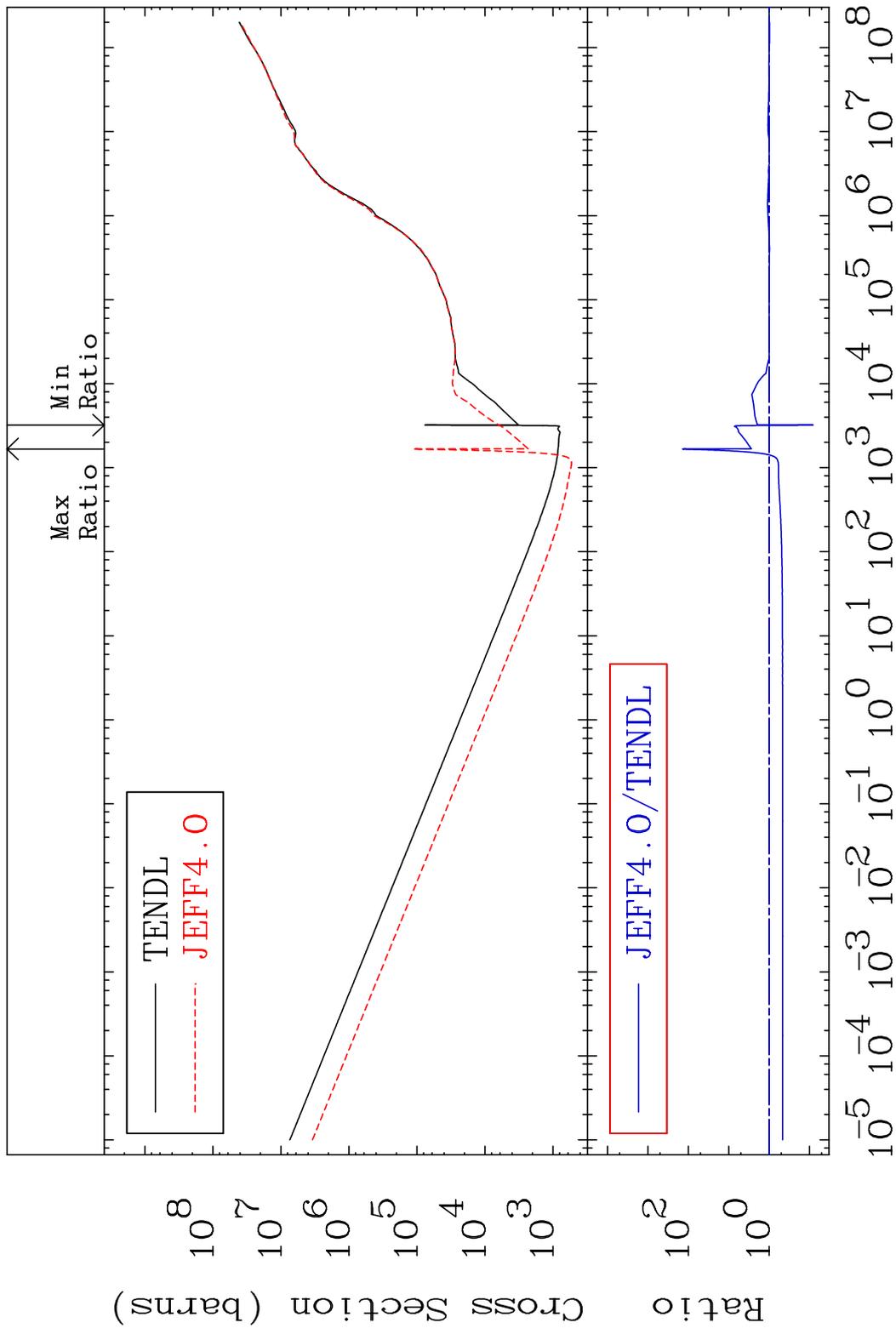
55 Incident Energy (eV) 22-Ti-44

MAT 2219 (n, t):21-Sc-42g 22-Ti-44  
 Radionuclide Production Cross Section Ratio 89.71 %

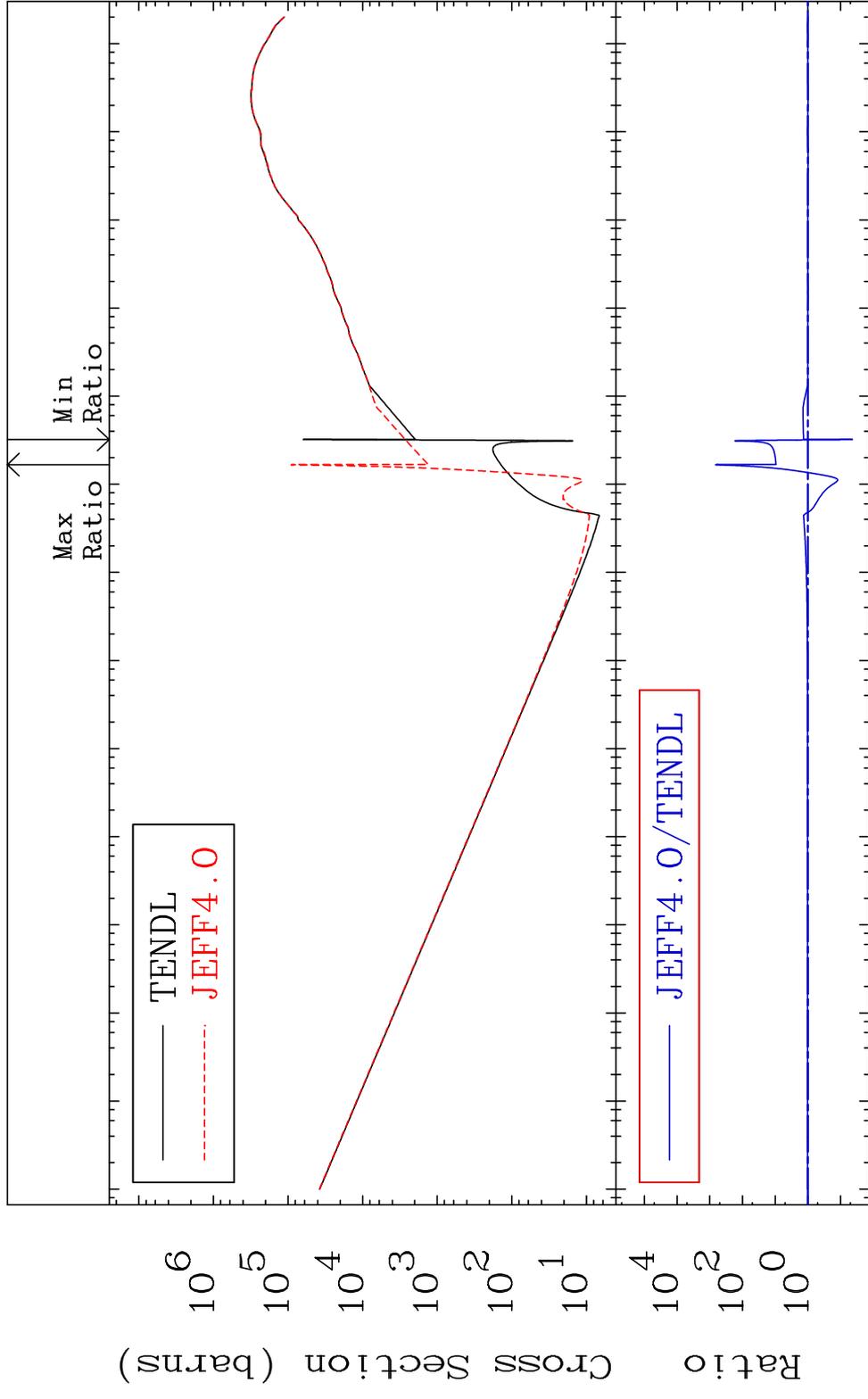




MAT 2219 Total kinematic kerma (high limit) 22-Ti-44  
 Cross Section -91.85 To 9999. %



MAT 2219      Dpa total (eV-barns)      22-Ti-44  
 Cross Section      -95.70 To 9999. %

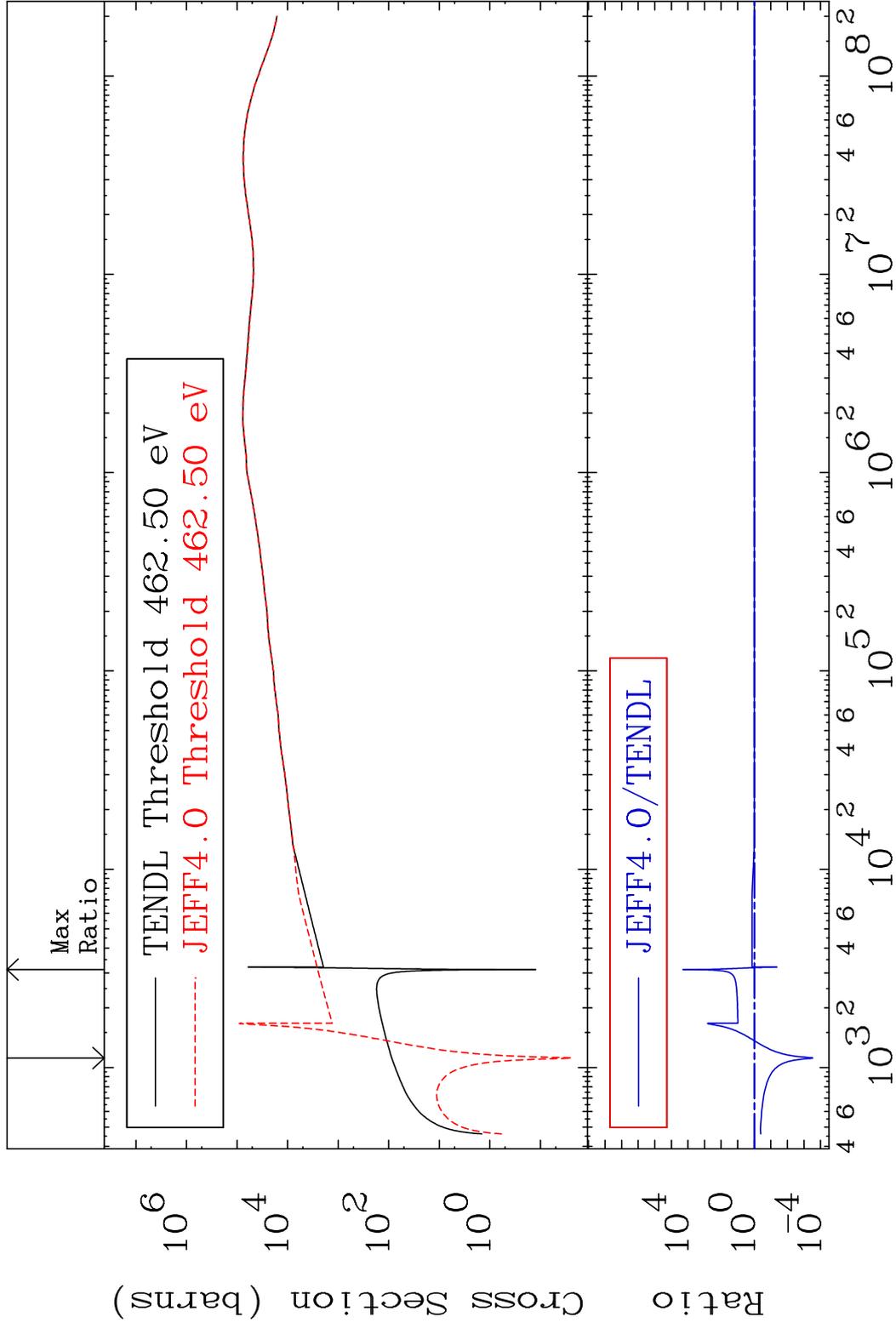


MAT 2219

Dpa elastic (mt2)

22-Ti-44

Cross Section -99.97 To 9999. %

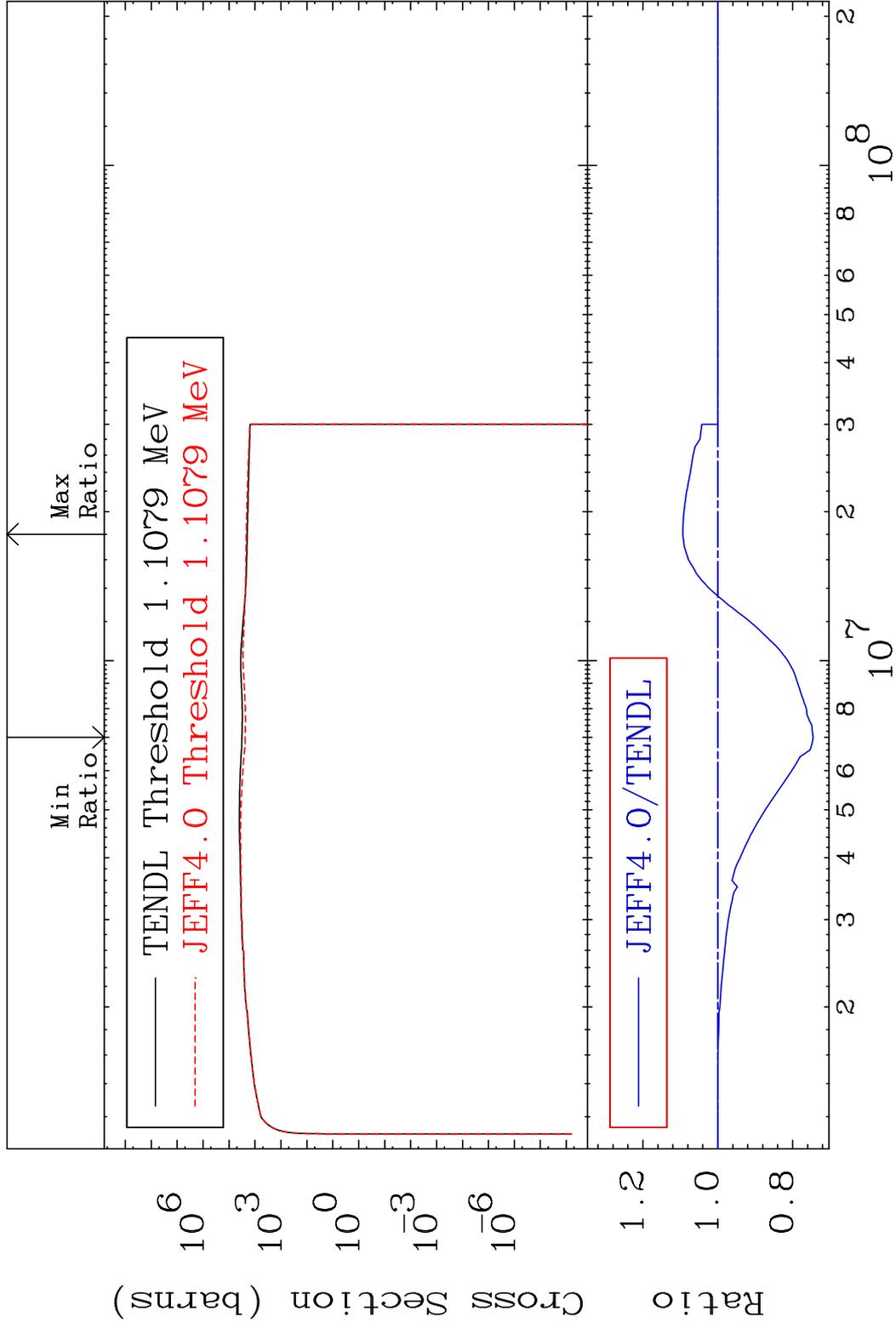


60

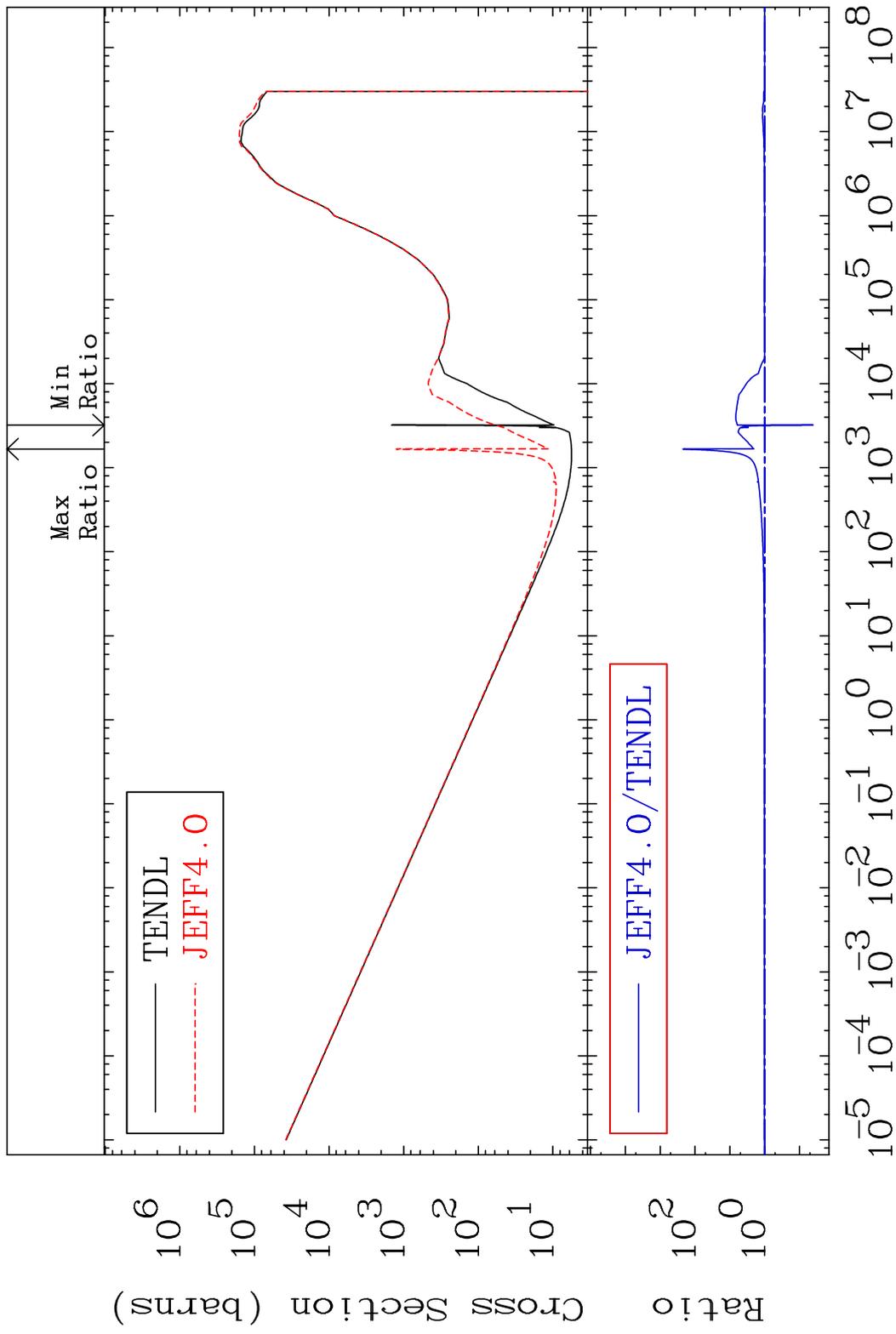
Incident Energy (eV)

22-Ti-44

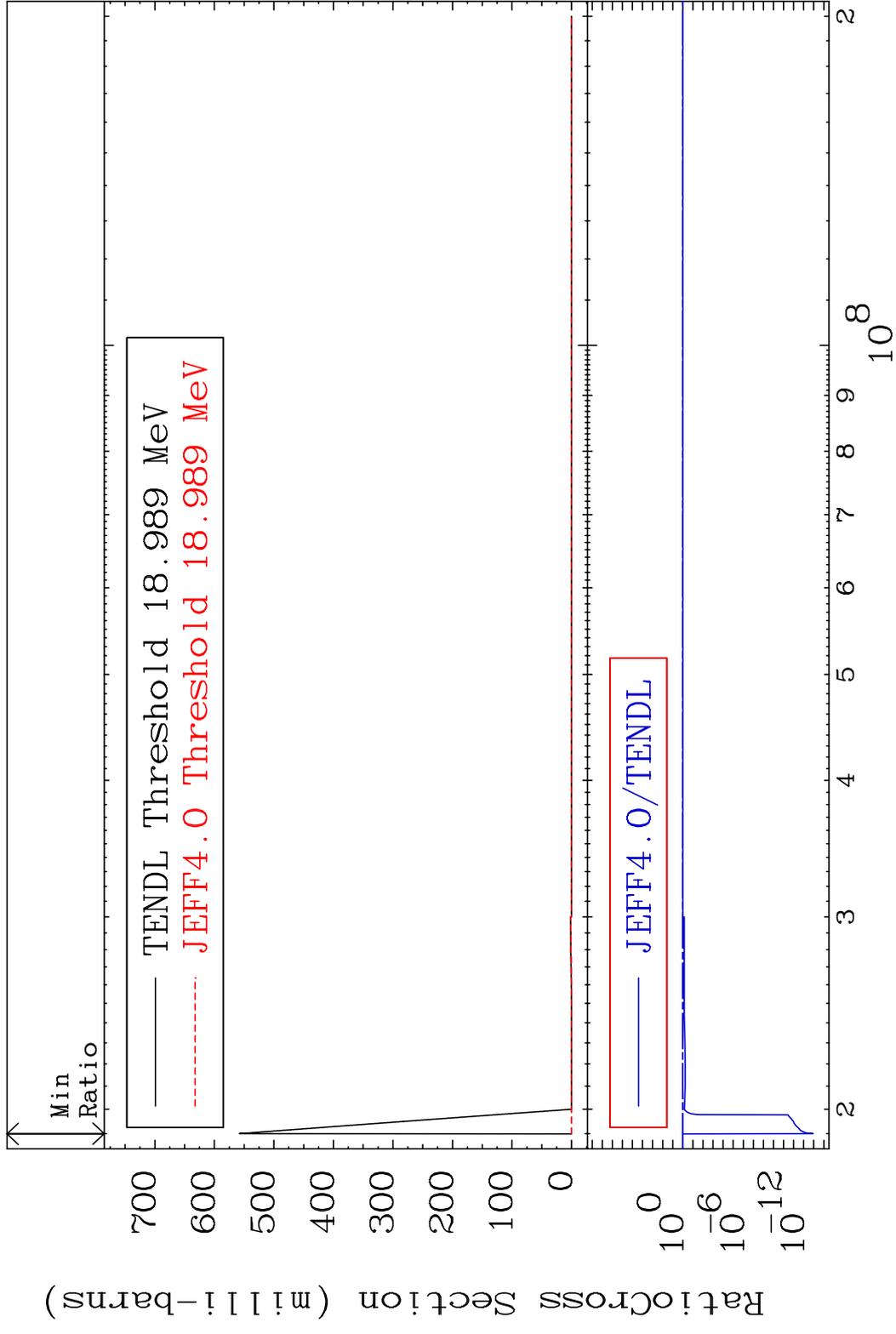
MAT 2219 Dpa inelastic (mt51-91) 22-Ti-44  
 Cross Section -25.47 To 9.340 %



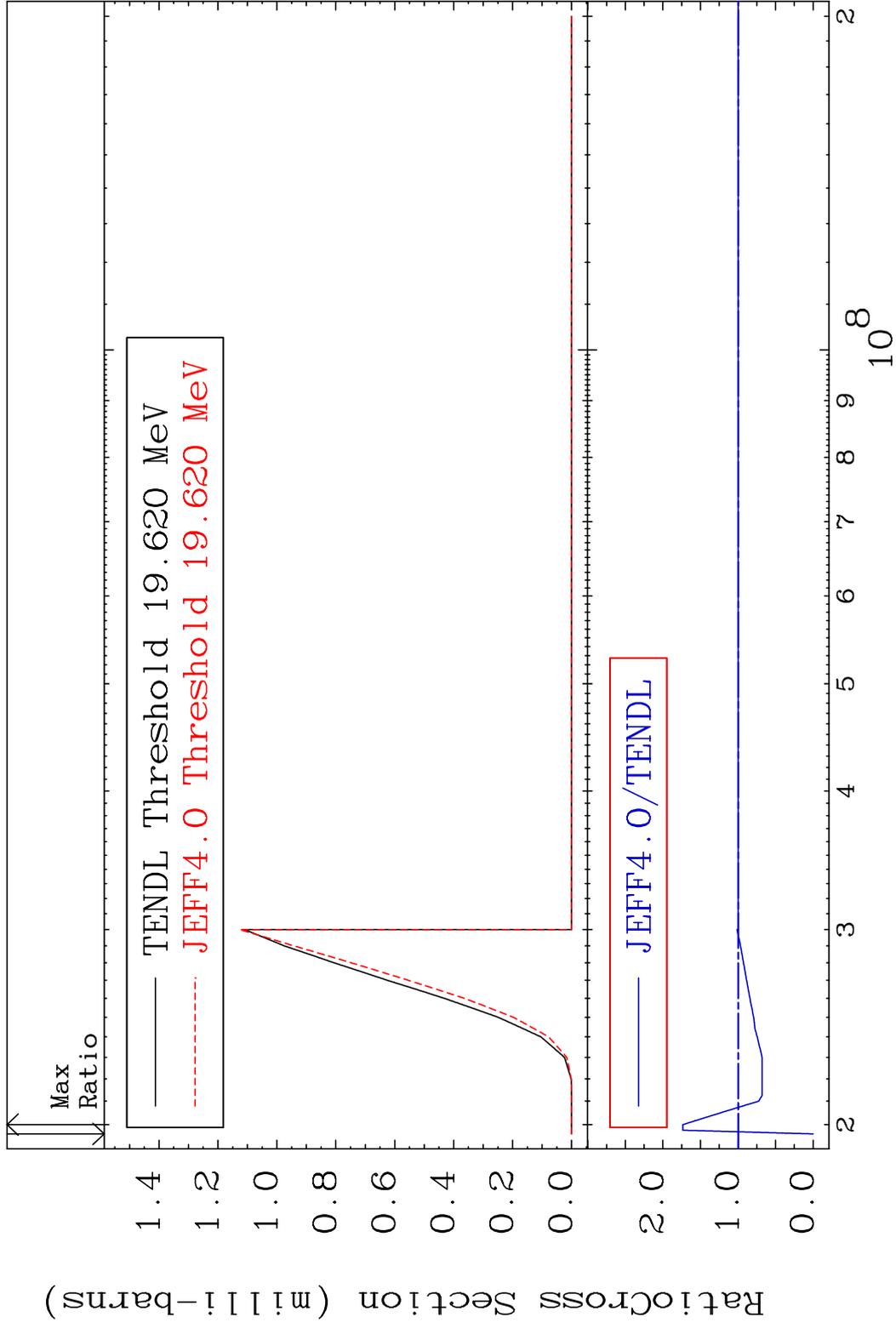
MAT 2219 Dpa disappearance (mt102 -120) 22-Ti-44  
 Cross Section -95.96 To 9999. %



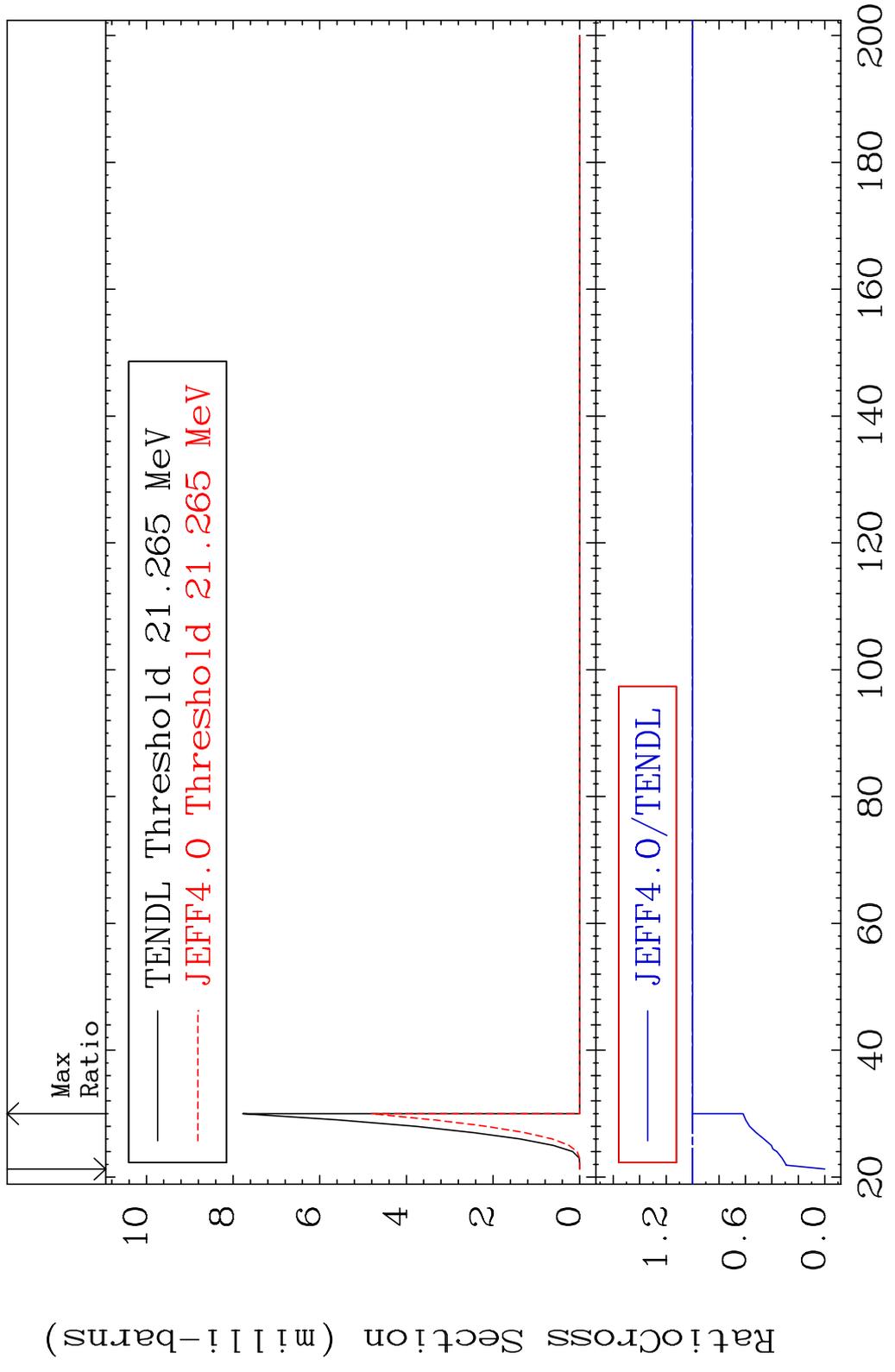
MAT 2219 (n, n') d:21-Sc-42g 22-Ti-44  
 Radionuclide Production Cross Section Ratio 0.000 %



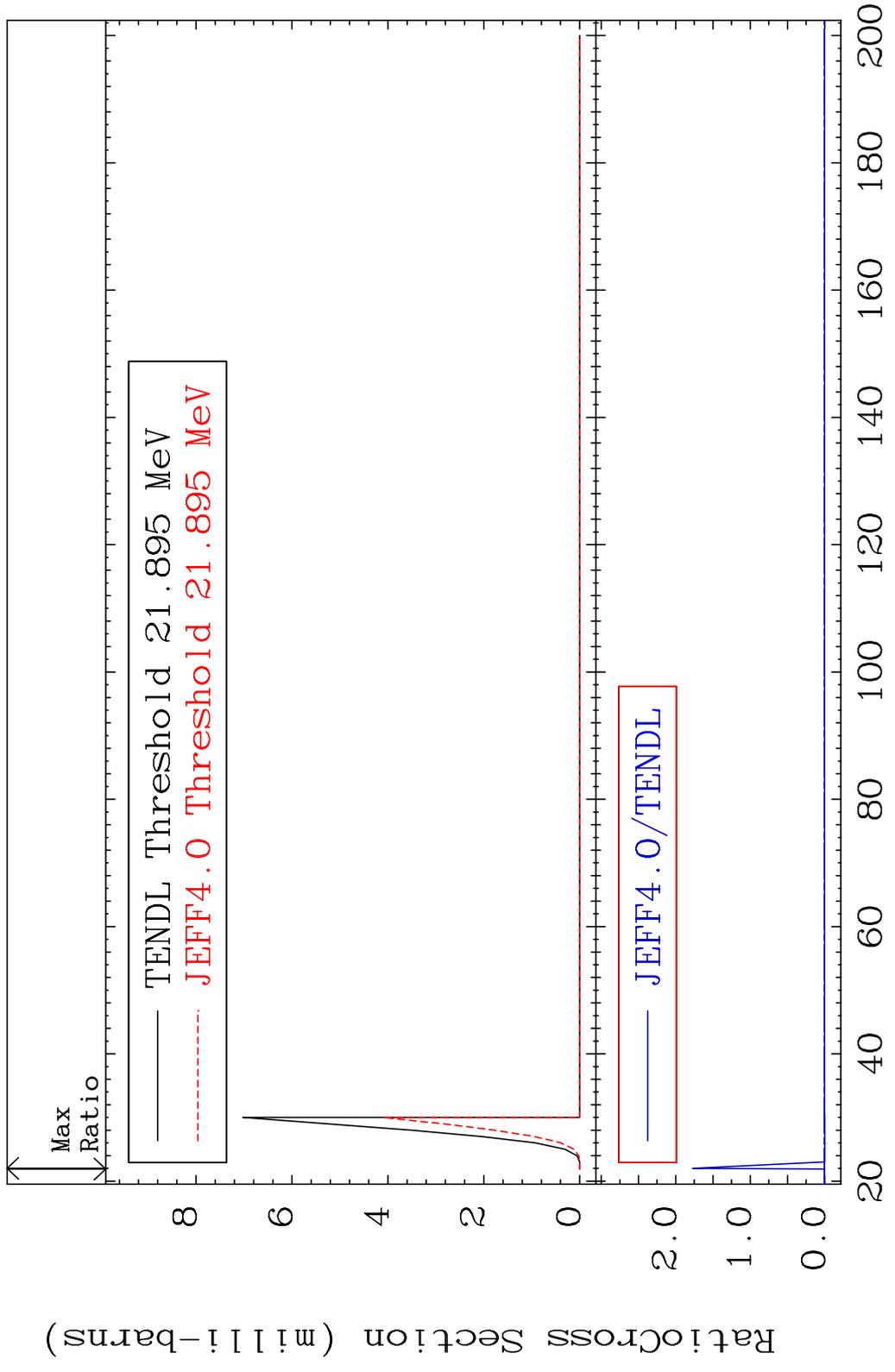
MAT 2219 (n, n') d:21-Sc-42m2 22-Ti-44  
 Radionuclide Production Cross Section 180.0 dno 73.44 %



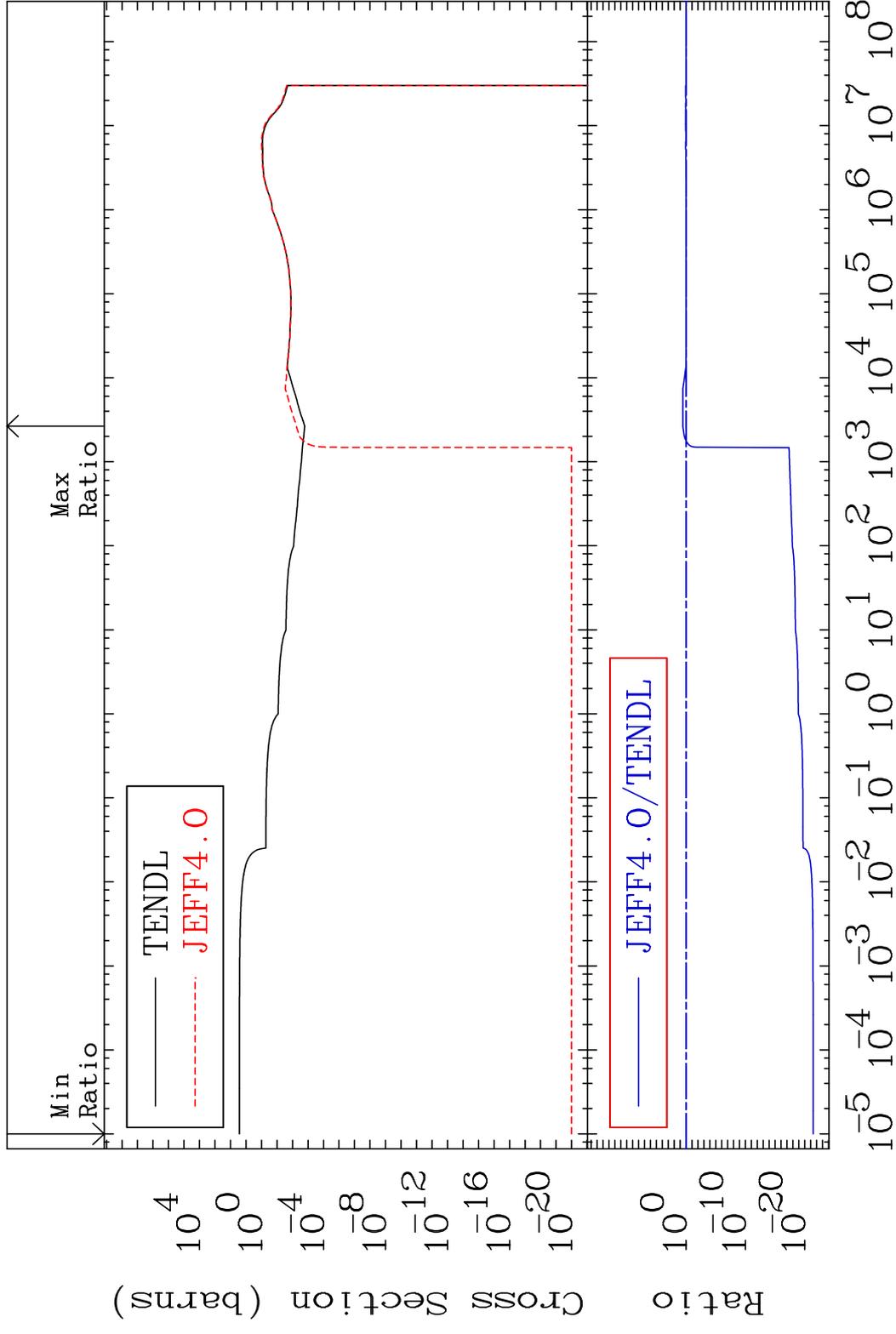
MAT 2219 (n,2n) p:21-Sc-42g 22-Ti-44  
 Radionuclide Production Cross Section 1800 d to 0.000 %



65 Incident Energy (MeV) 22-Ti-44

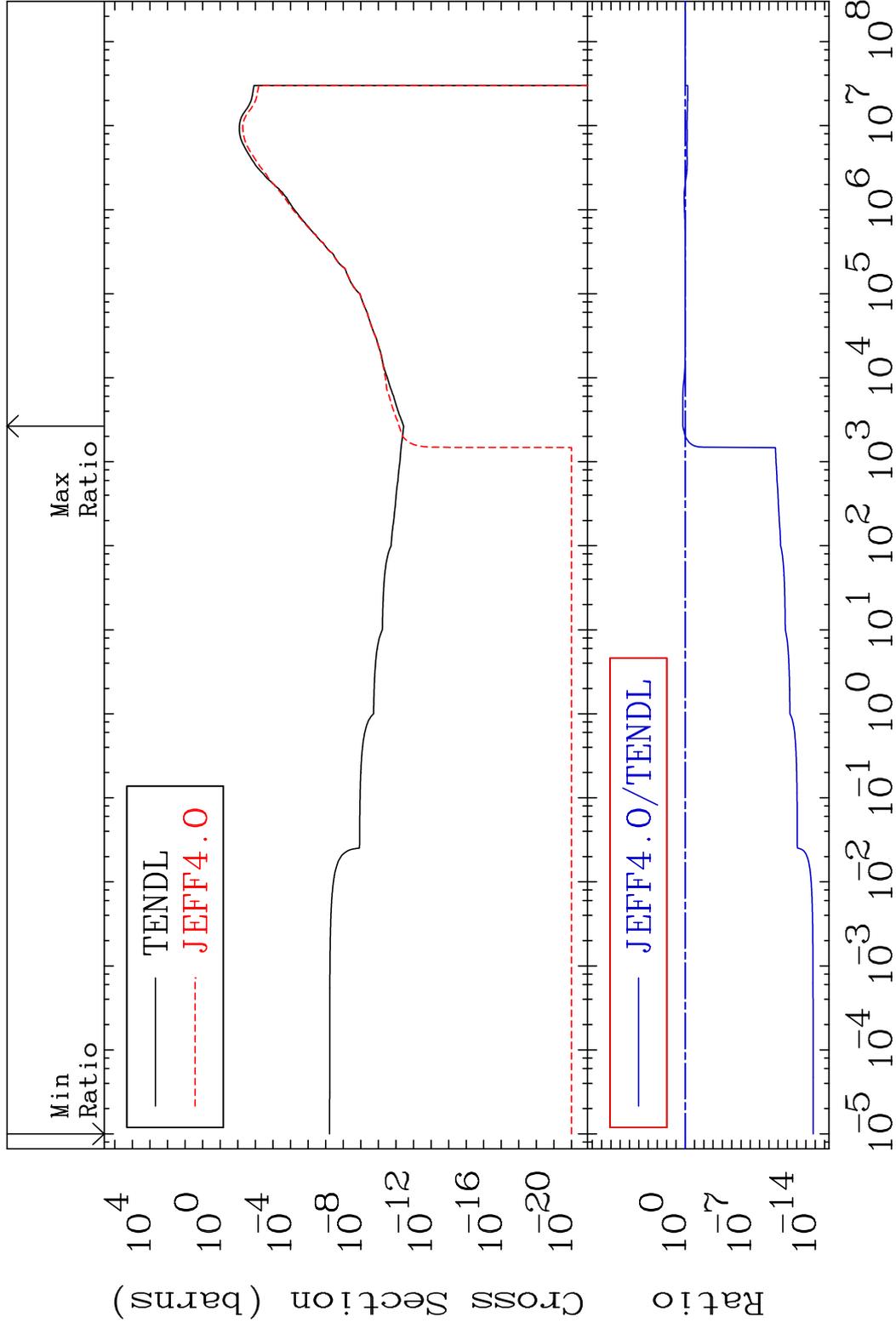


MAT 2219 (n,p):21-Sc-44g 22-Ti-44  
 Radionuclide Production Cross Section Ratio 245.2 %



67 Incident Energy (eV) 22-Ti-44

MAT 2219 (n,p):21-Sc-44m4 22-Ti-44  
 Radionuclide Production Cross Section Ratio 80.74 %



MAT 2219 (n, t):21-Sc-42g 22-Ti-44  
 Radionuclide Production Cross Section Ratio 0.000 %

