

Program Complot  
(Version 2021-1)

by

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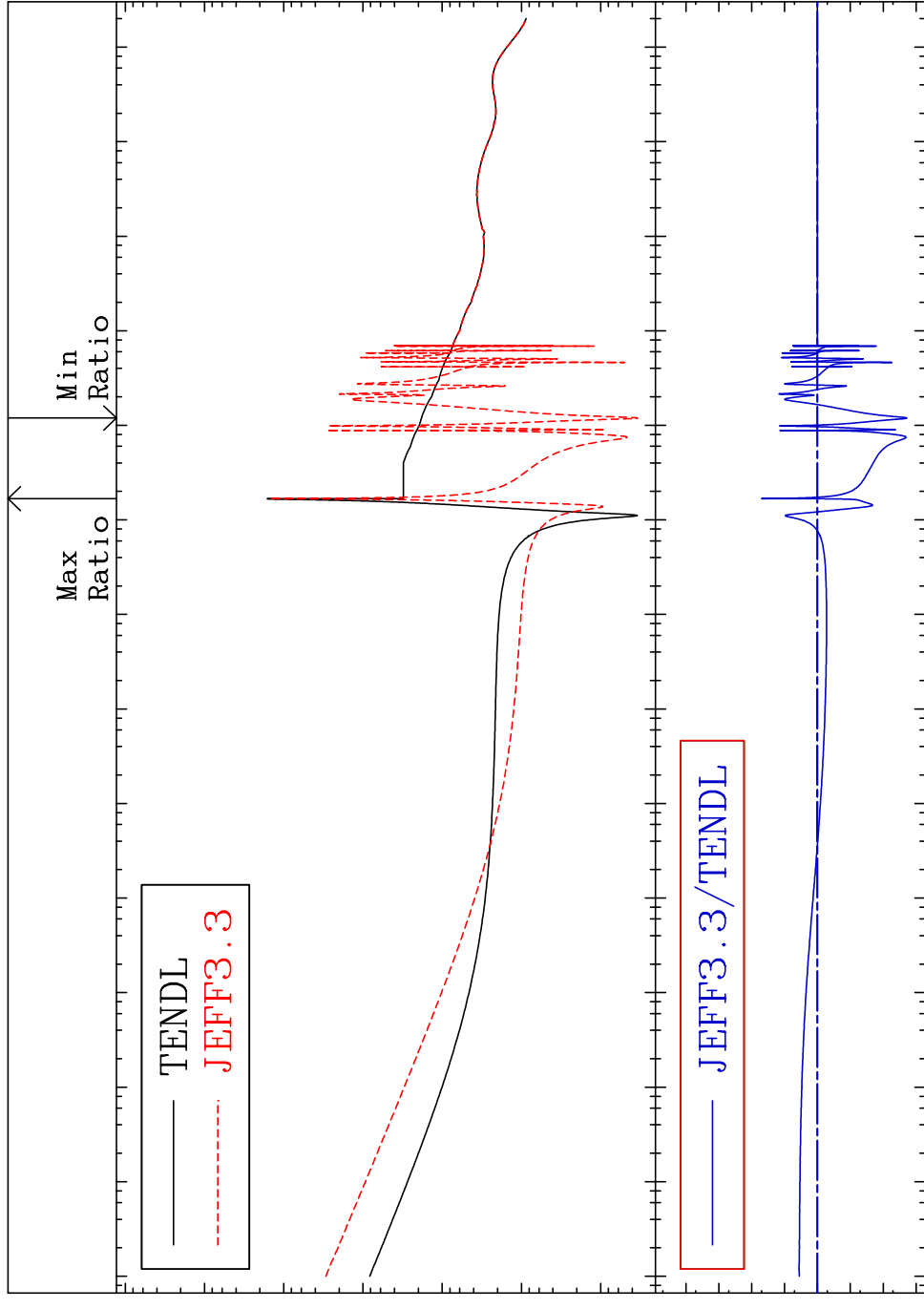
Press Mouse Button to Start

MAT 2219

Total

22-Ti-44

Cross Section -99.81 To 4806. %



Cross Section (barns)  
Ratio

Incident Energy (eV)

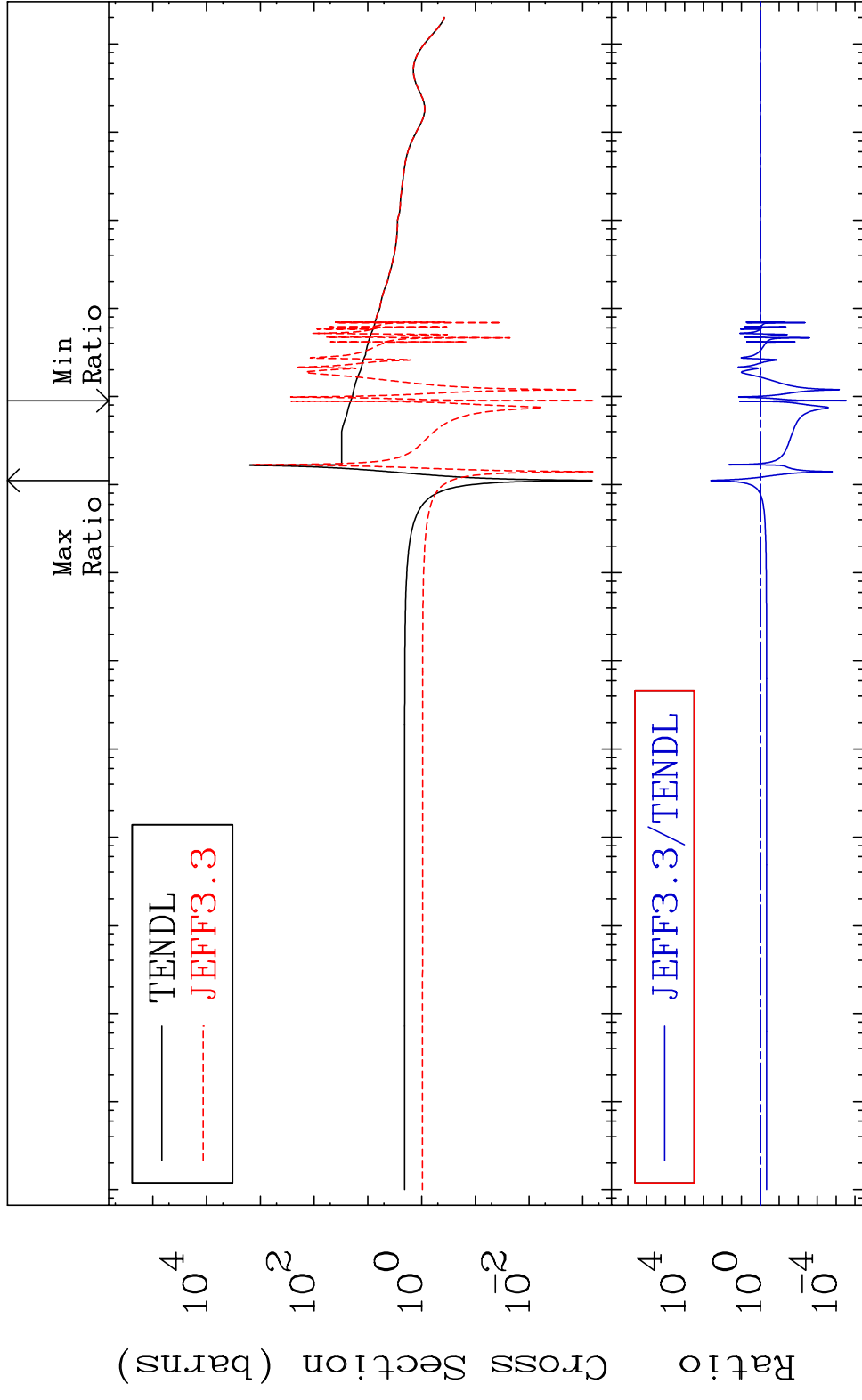
22-Ti-44

MAT 2219

22-Ti-44

Elastic

Cross Section -100.0 To 9999. %

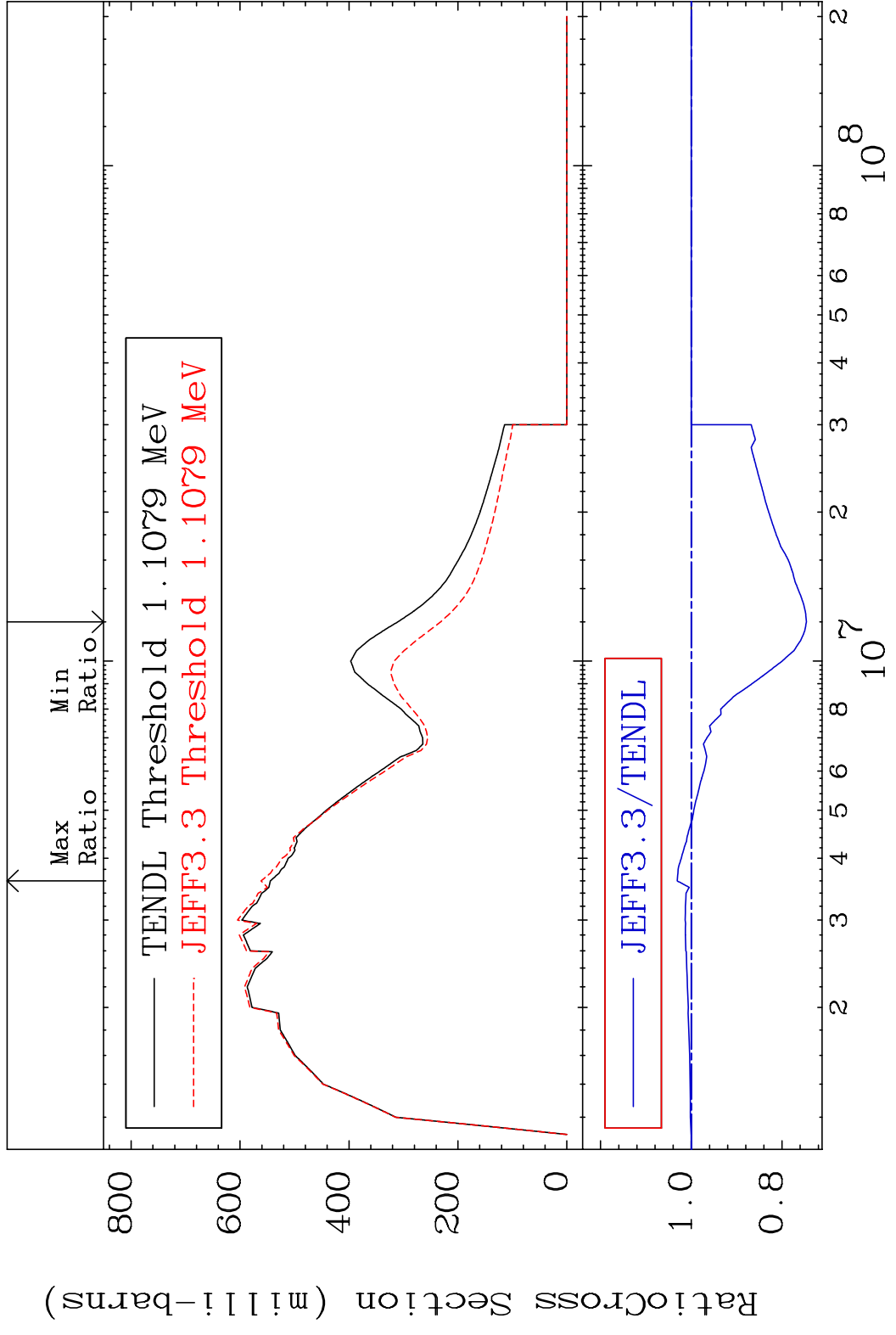


2

Incident Energy (eV)

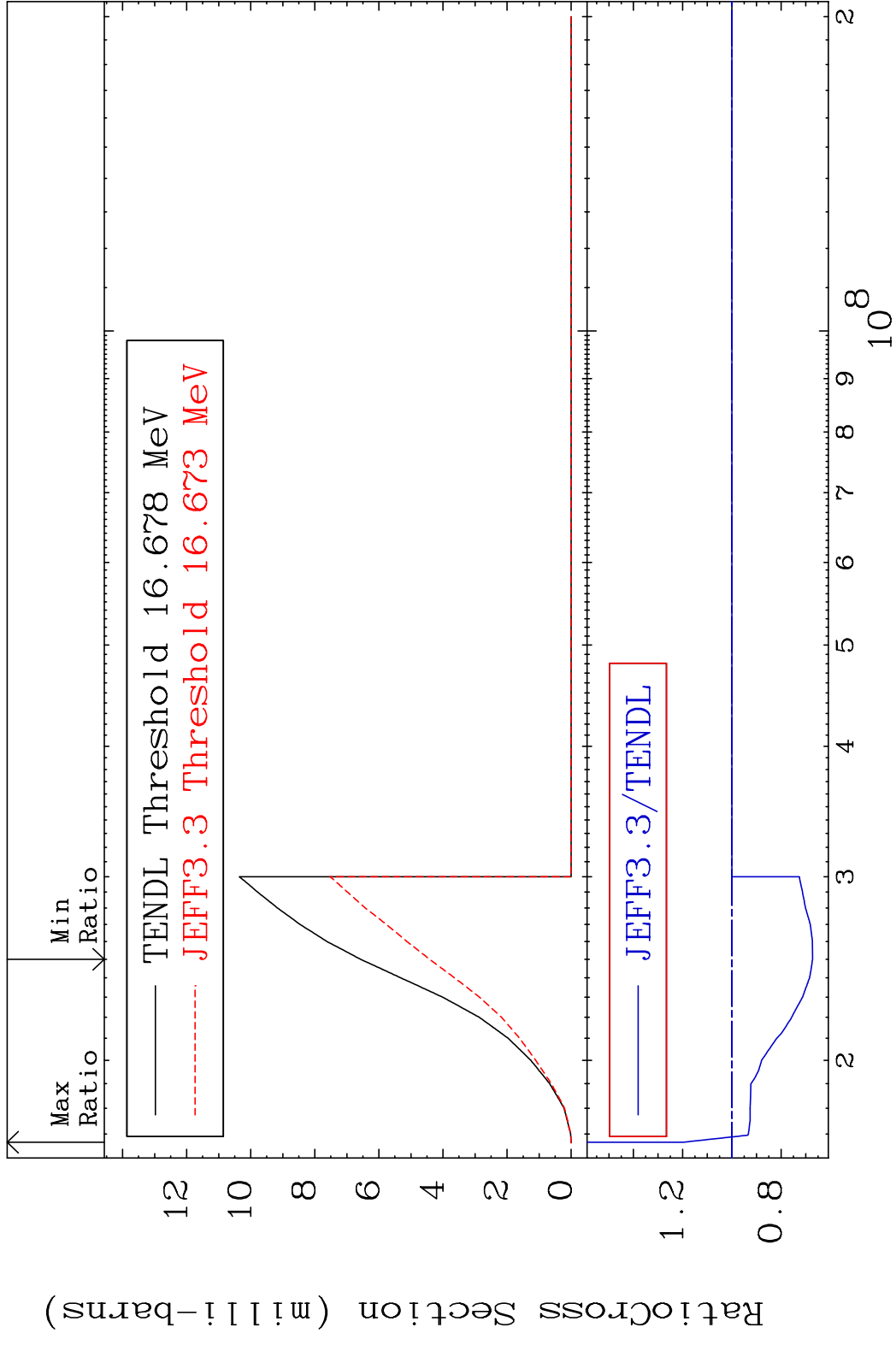
22-Ti-44

MAT 2219 Inelastic  $^{22}\text{Ti-44}$   
 Cross Section -25.36 To 3.118 %



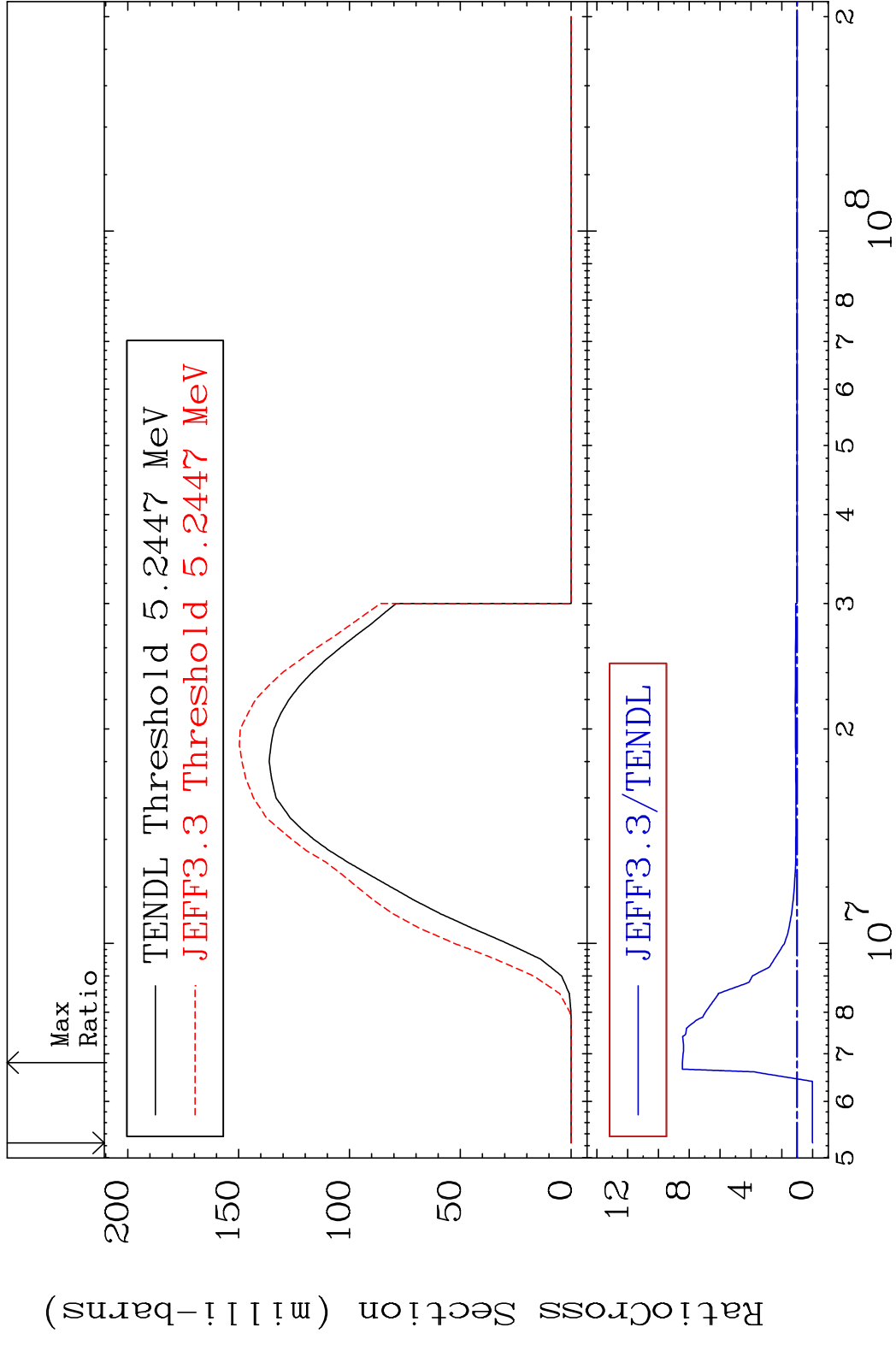
3  $^{22}\text{Ti-44}$

MAT 2219 (n,2n) 22-Ti-44  
 Cross Section -32.75 To 20.14 %



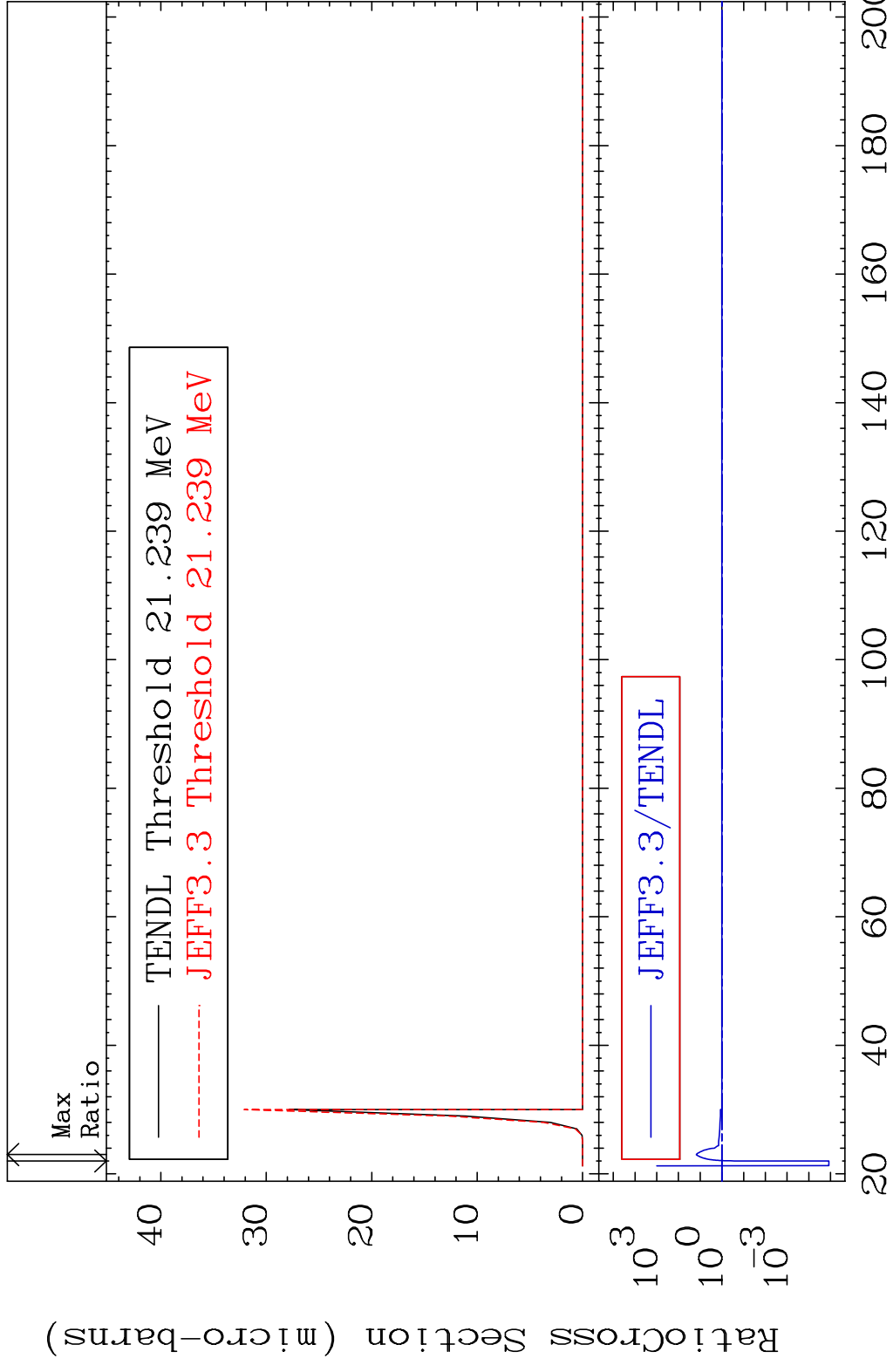
4 Incident Energy (eV) 22-Ti-44

MAT 2219 (n, n')  $\alpha$   $^{22}\text{Ti-44}$   
 Cross Section -100.0 To 745.2 %



5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

MAT 2219 (n,2n)  $\alpha$   $^{22}\text{Ti-44}$   
 Cross Section -100.0 To 1456. %

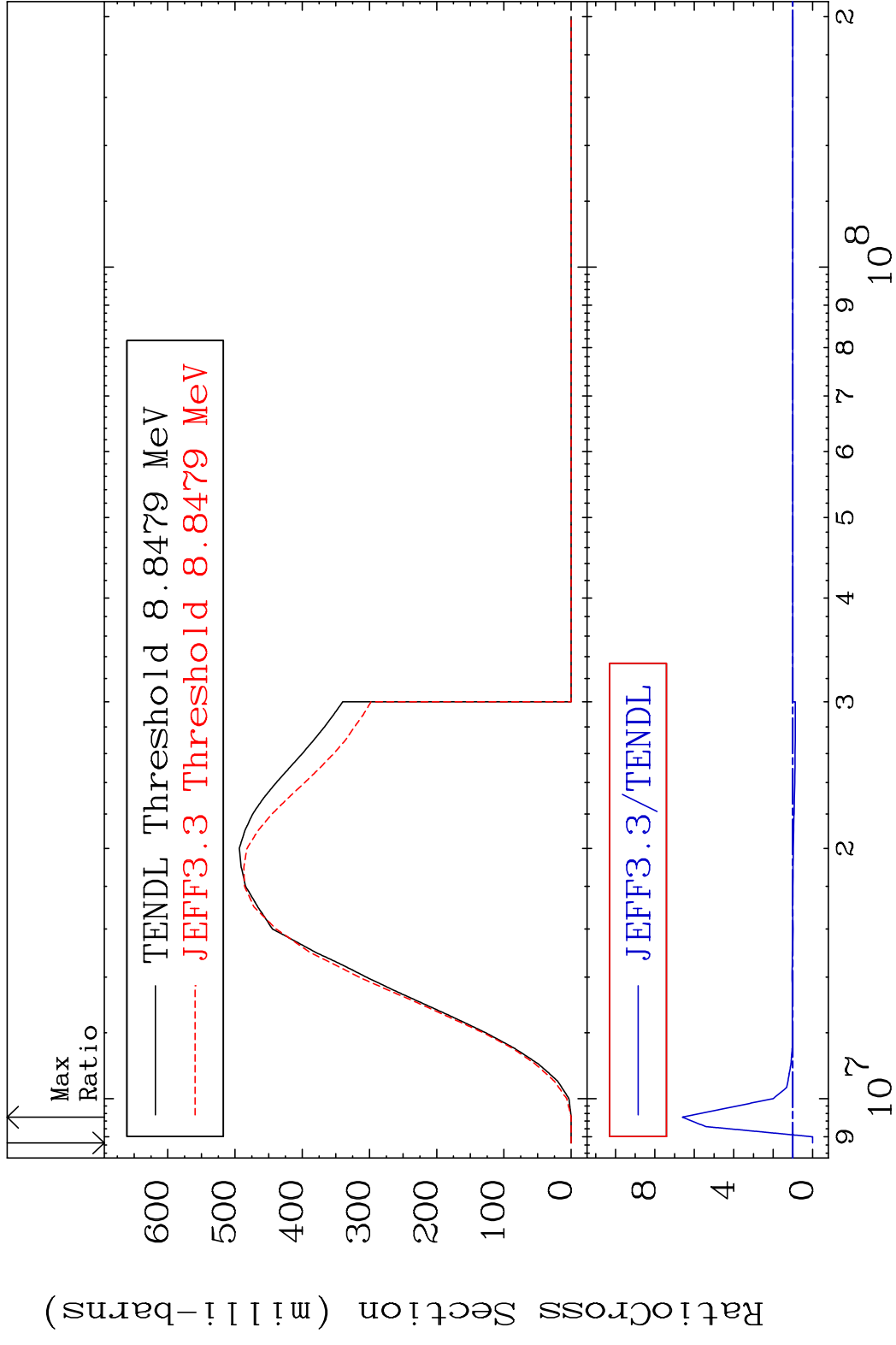


MAT 2219

(n, n') p

22-Ti-44

Cross Section -100.0 To 560.7 %



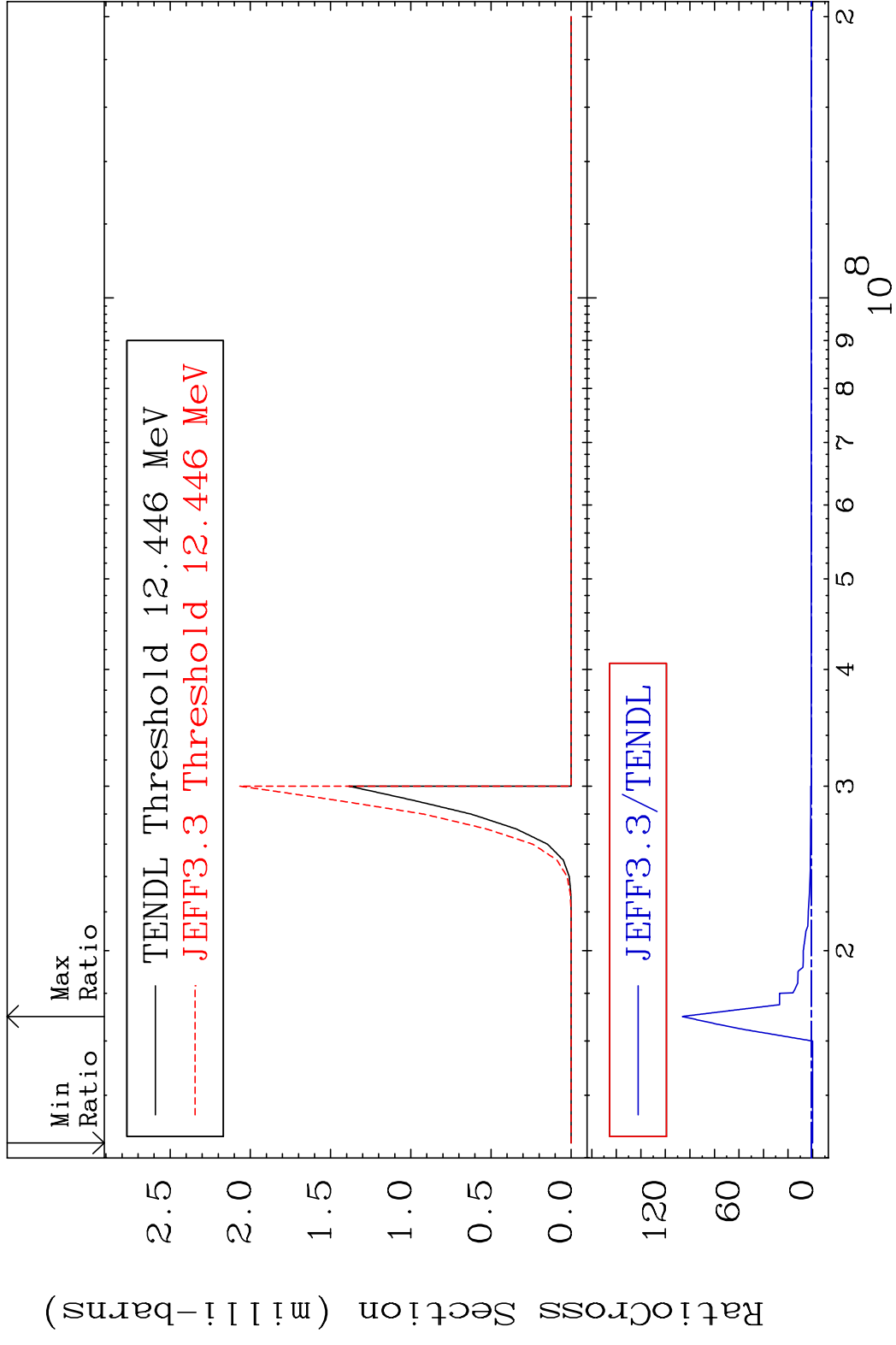
7

Incident Energy (eV)

22-Ti-44



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

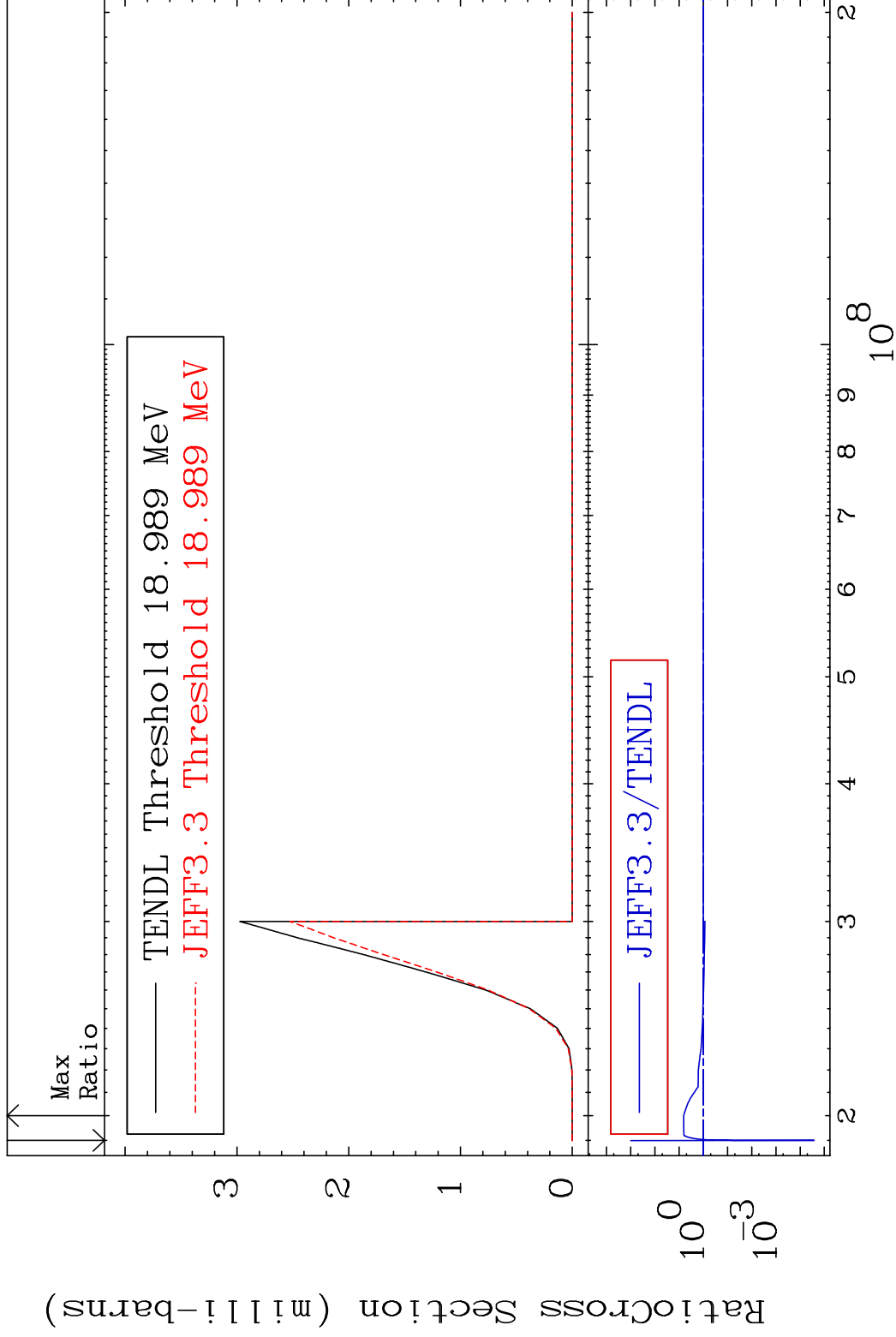


MAT 2219

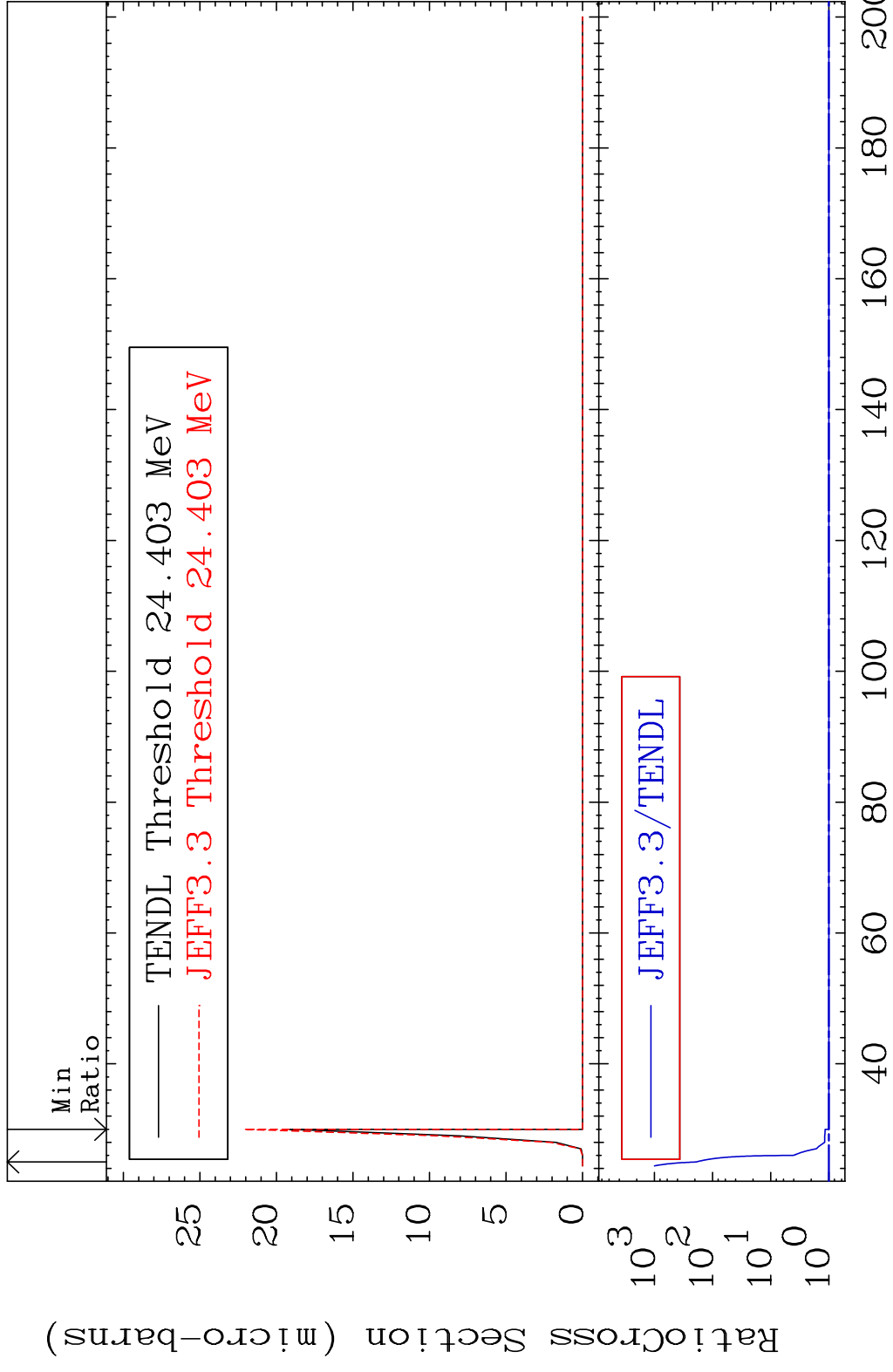
(n, n') d

22-Ti-44

Cross Section -100.0 To 545.0 %



MAT 2219 (n, n') t 22-Ti-44  
 Cross Section 0.000 To 9999. %



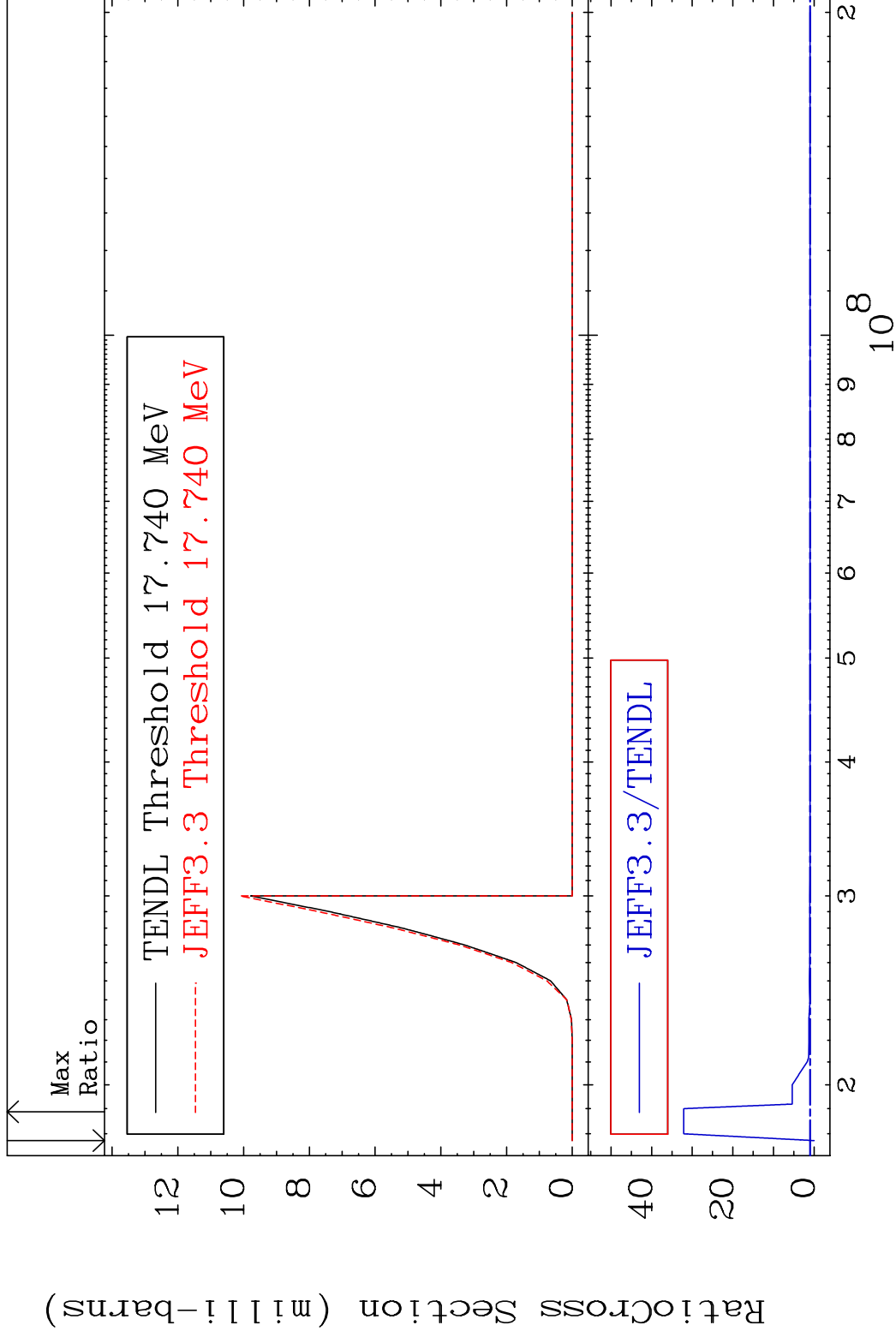
10 Incident Energy (MeV) 22-Ti-44

MAT 2219

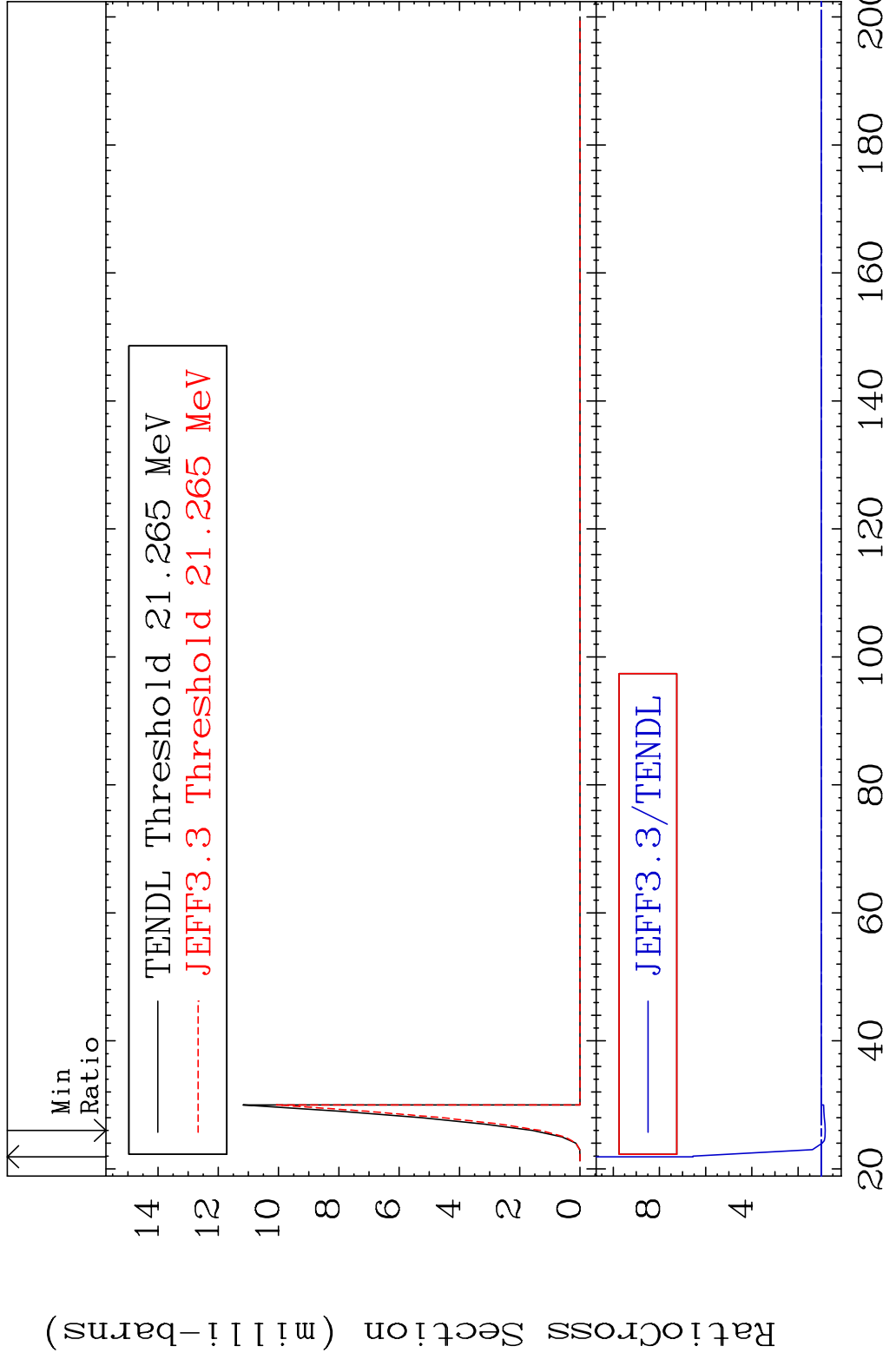
(n,n') He-3

22-Ti-44

Cross Section -100.0 To 3112. %

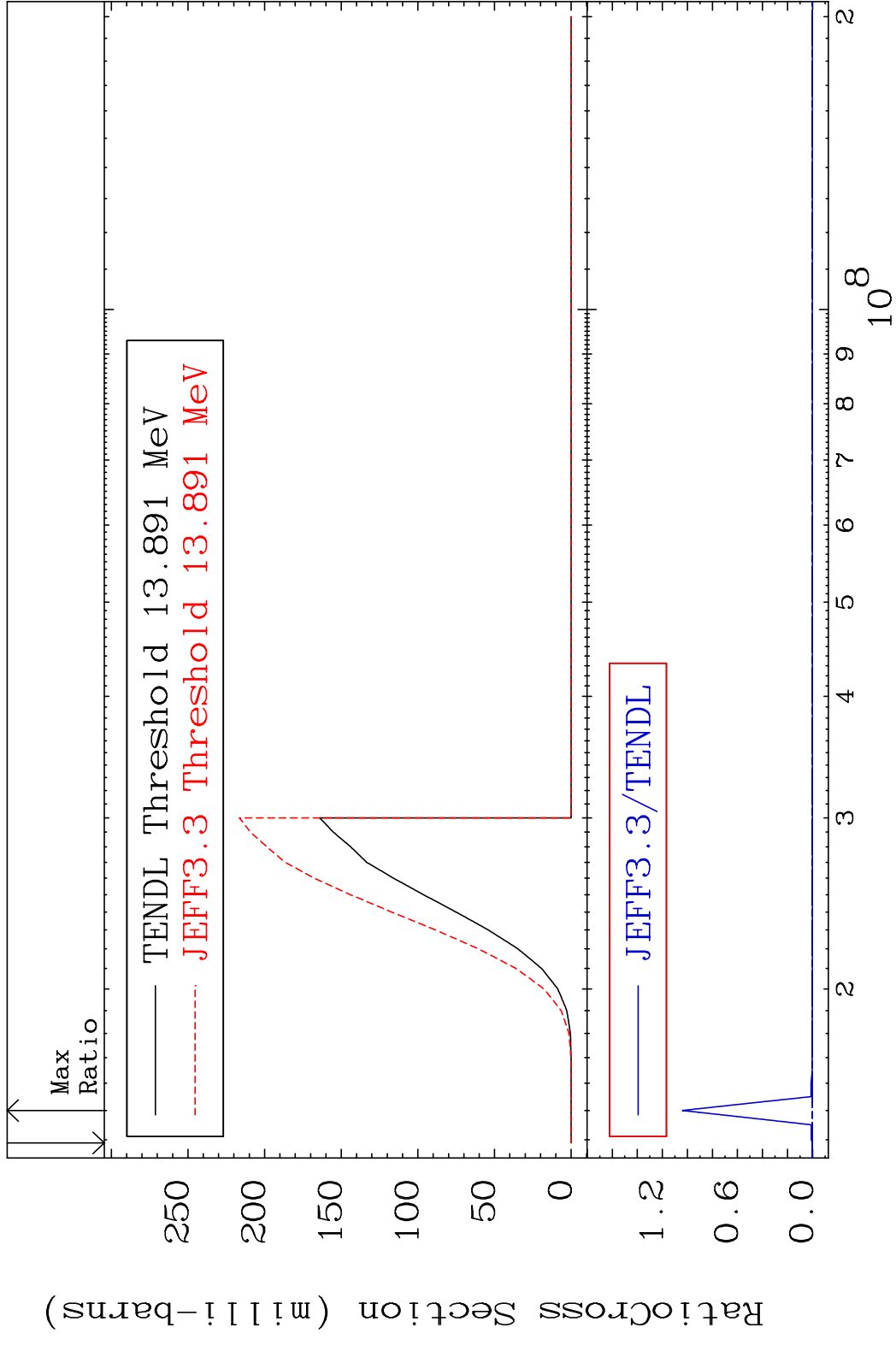


MAT 2219 (n,2n) p 22-Ti-44  
 Cross Section -17.10 To 555.0 %

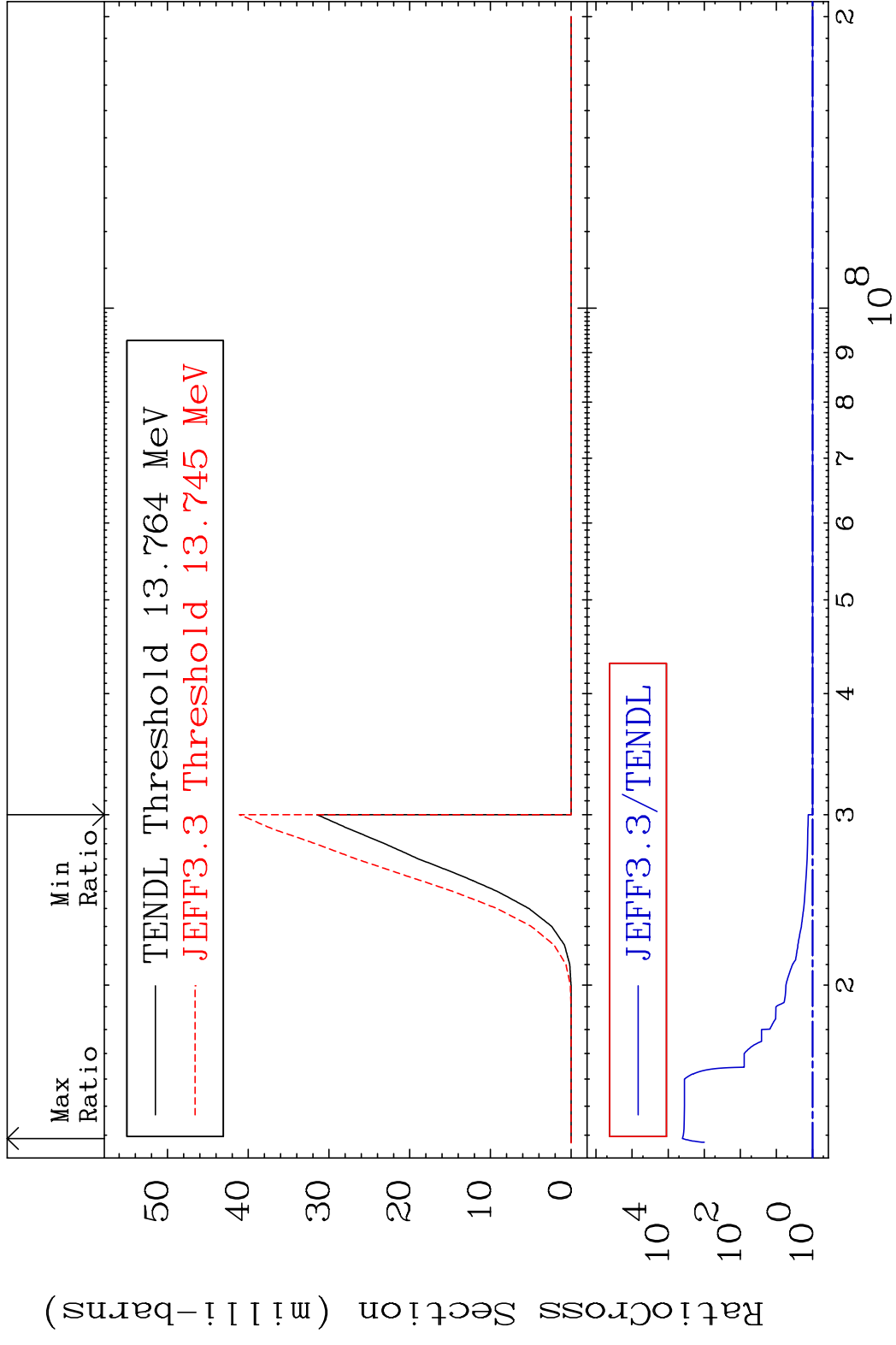


12 Incident Energy (MeV) 22-Ti-44

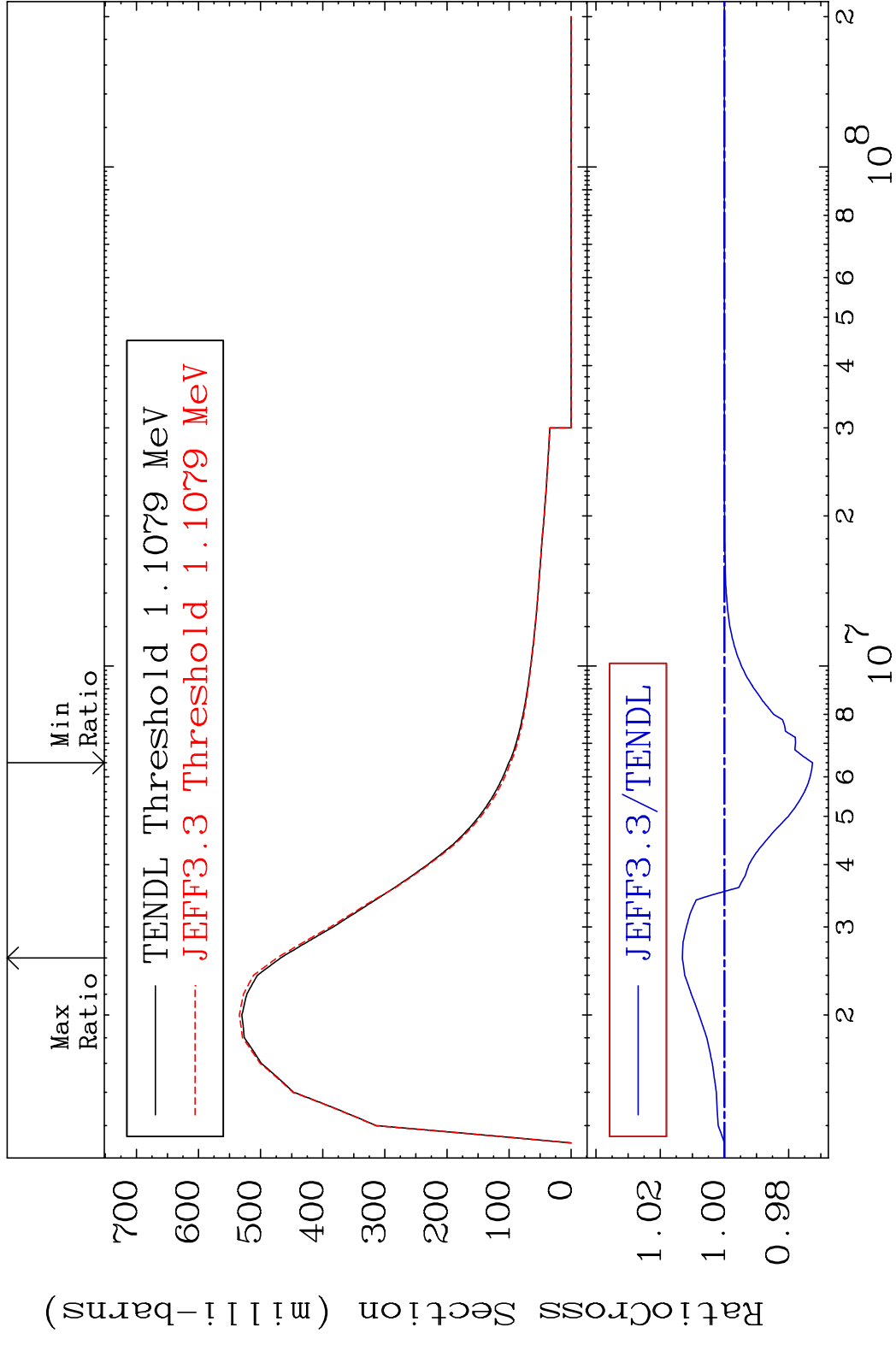
MAT 2219 (n,2n) p 22-Ti-44  
 Cross Section -100.0 To 9999. %



MAT 2219 (n,n') p α 22-Ti-44  
 Cross Section 0.000 To 9999. %

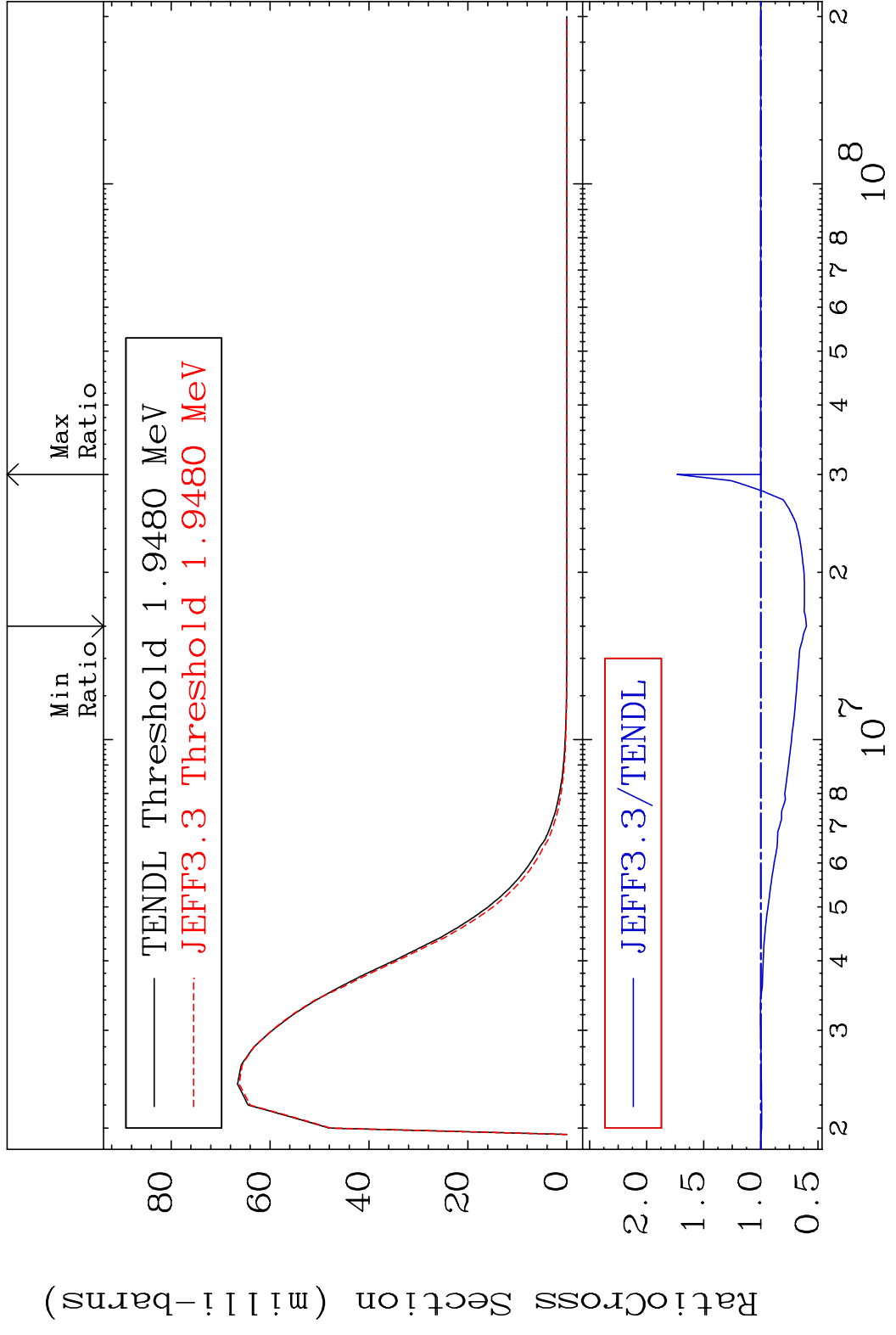


MAT 2219 MT= 51 (n, n') Level 22-Ti-44  
 Cross Section -2.745 To 1.311 %

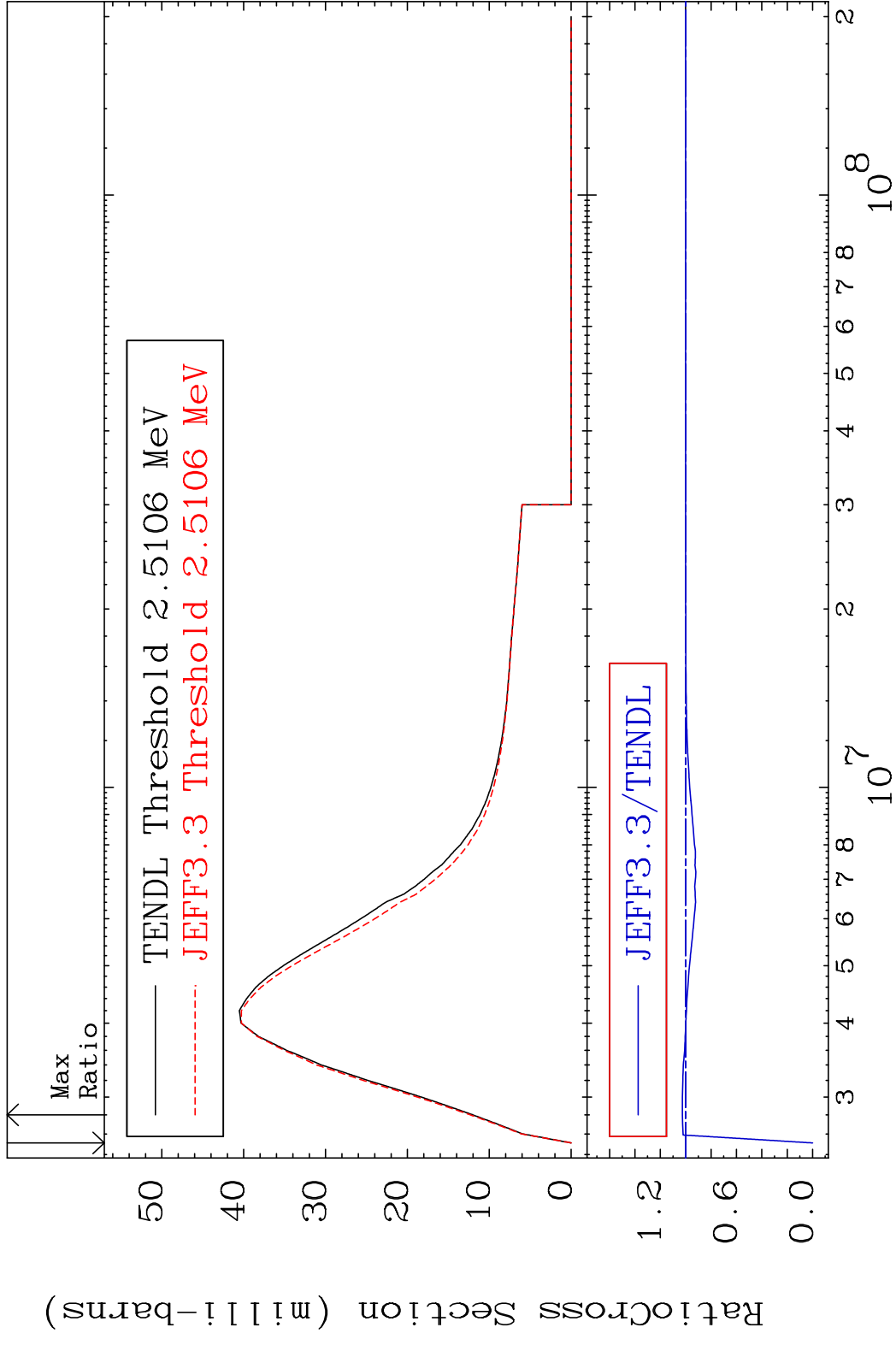




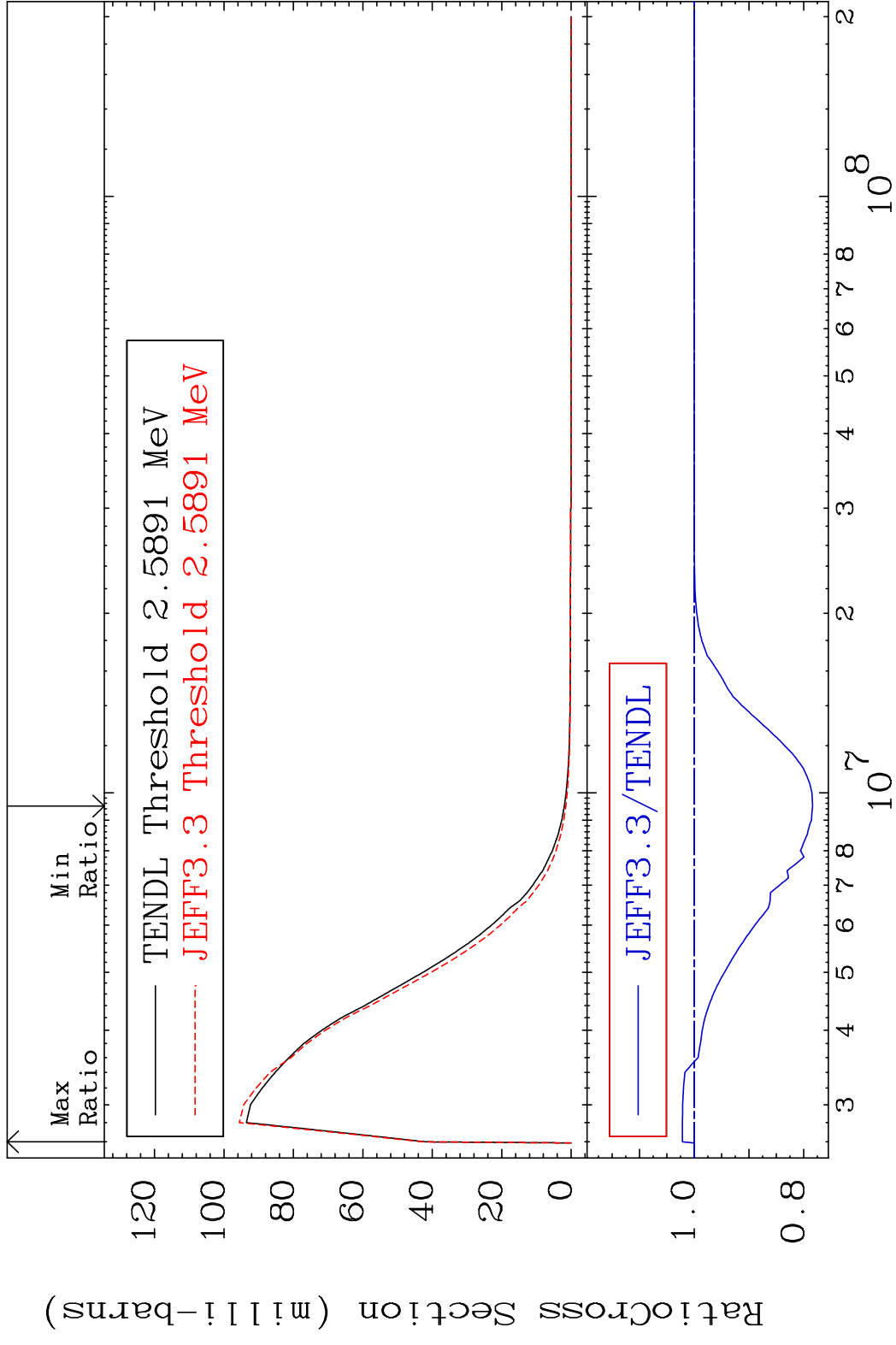
MAT 2219 MT= 52 (n, n') Level 22-Ti-44  
 Cross Section -39.90 To 73.25 %



MAT 2219 MT= 53 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 2.612 %

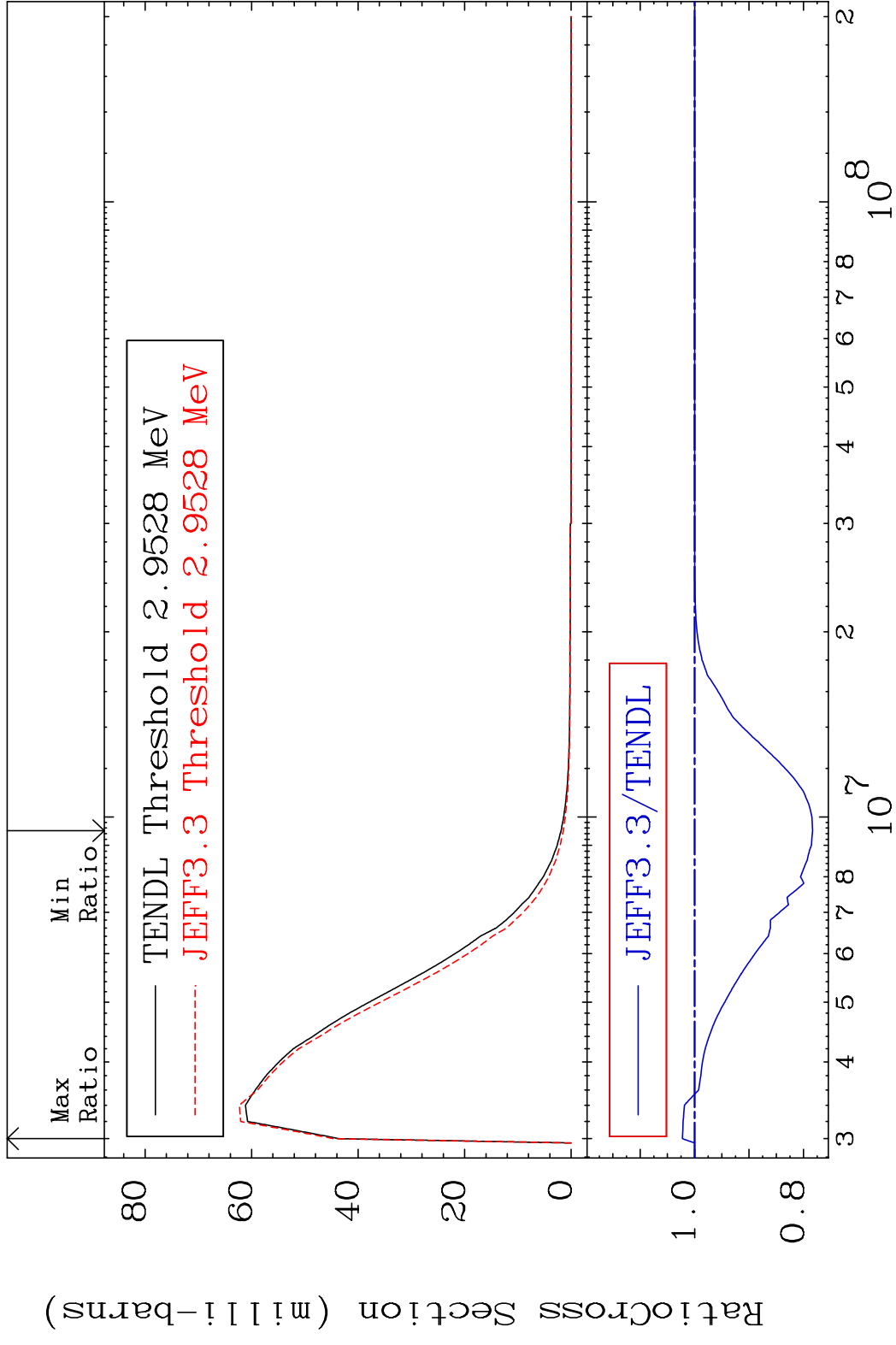


MAT 2219 MT= 54 (n, n') Level 22-Ti-44  
 Cross Section -21.60 To 2.171 %

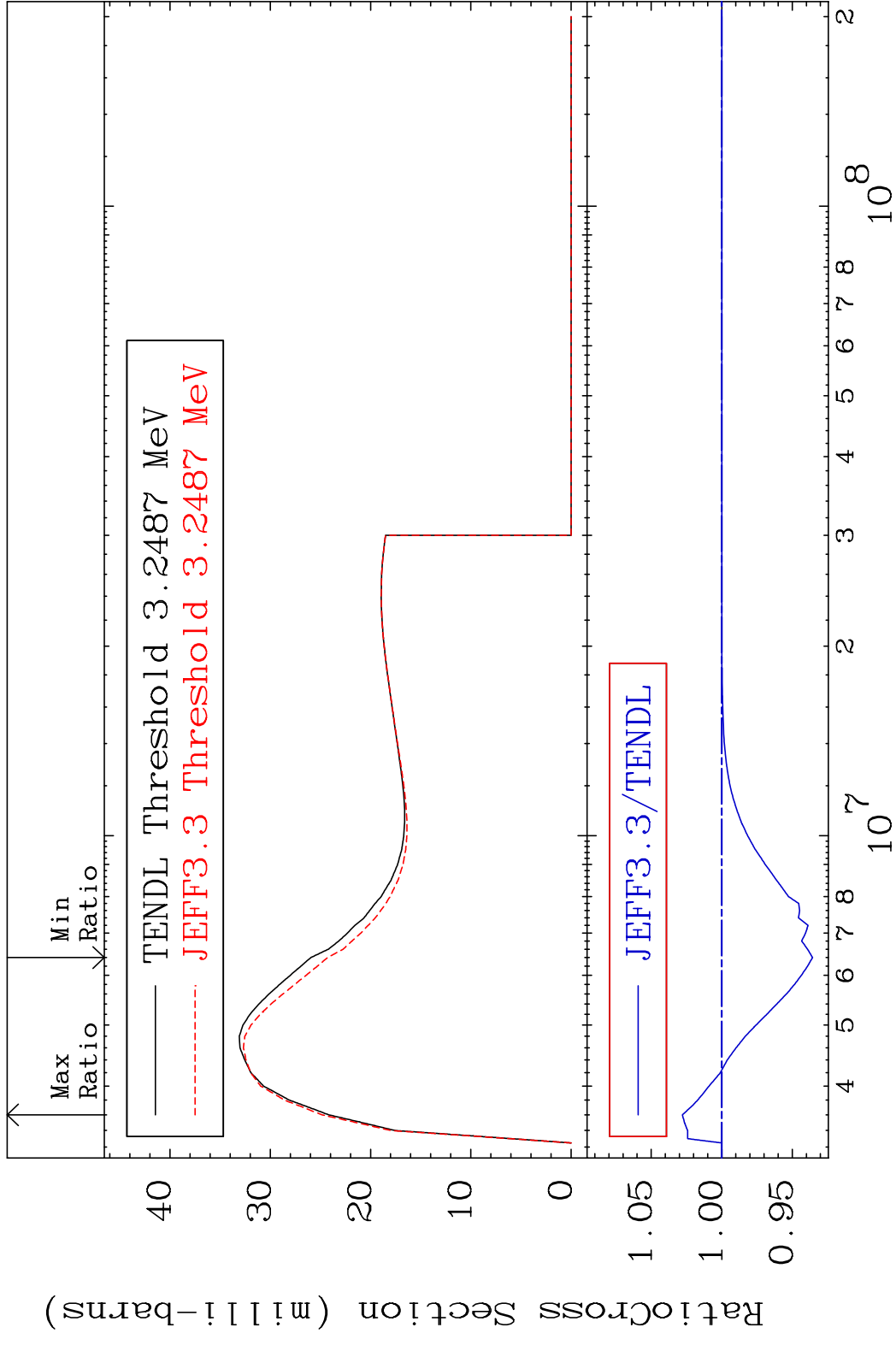


18 22-Ti-44

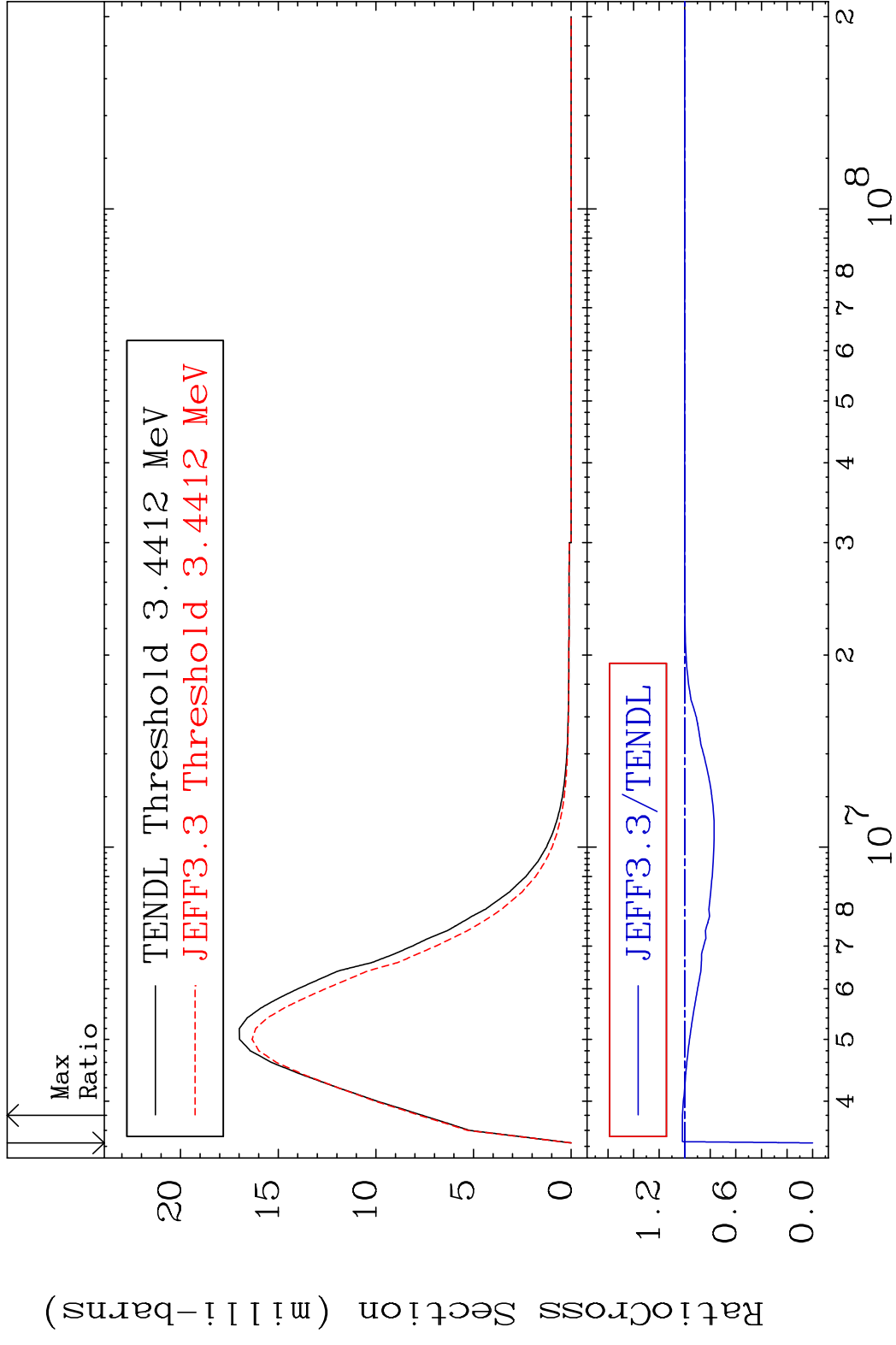
MAT 2219 MT= 55 (n,n') Level 22-Ti-44  
 Cross Section -21.65 To 2.253 %



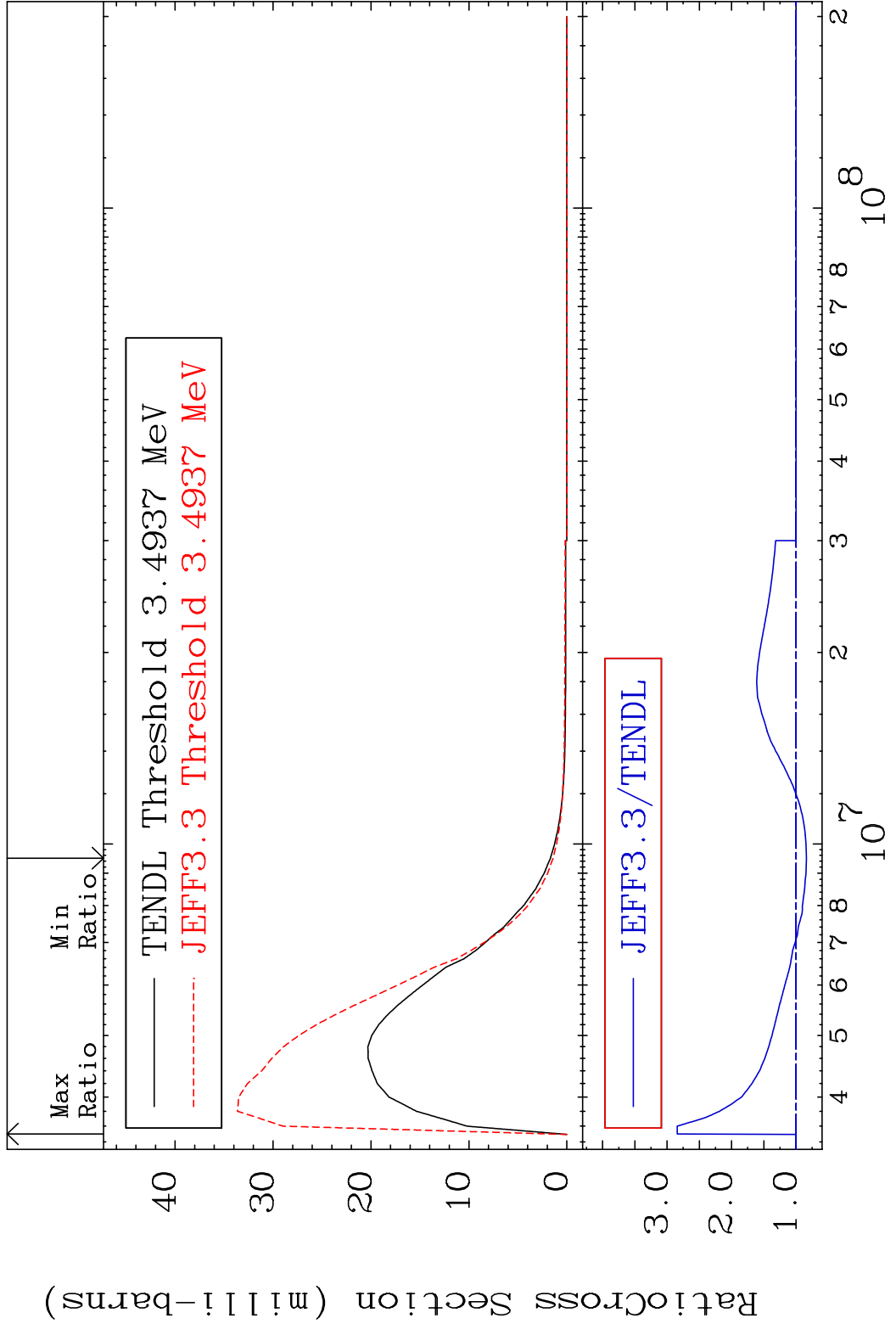
MAT 2219 MT= 56 (n,n') Level 22-Ti-44  
 Cross Section -6.439 To 2.793 %



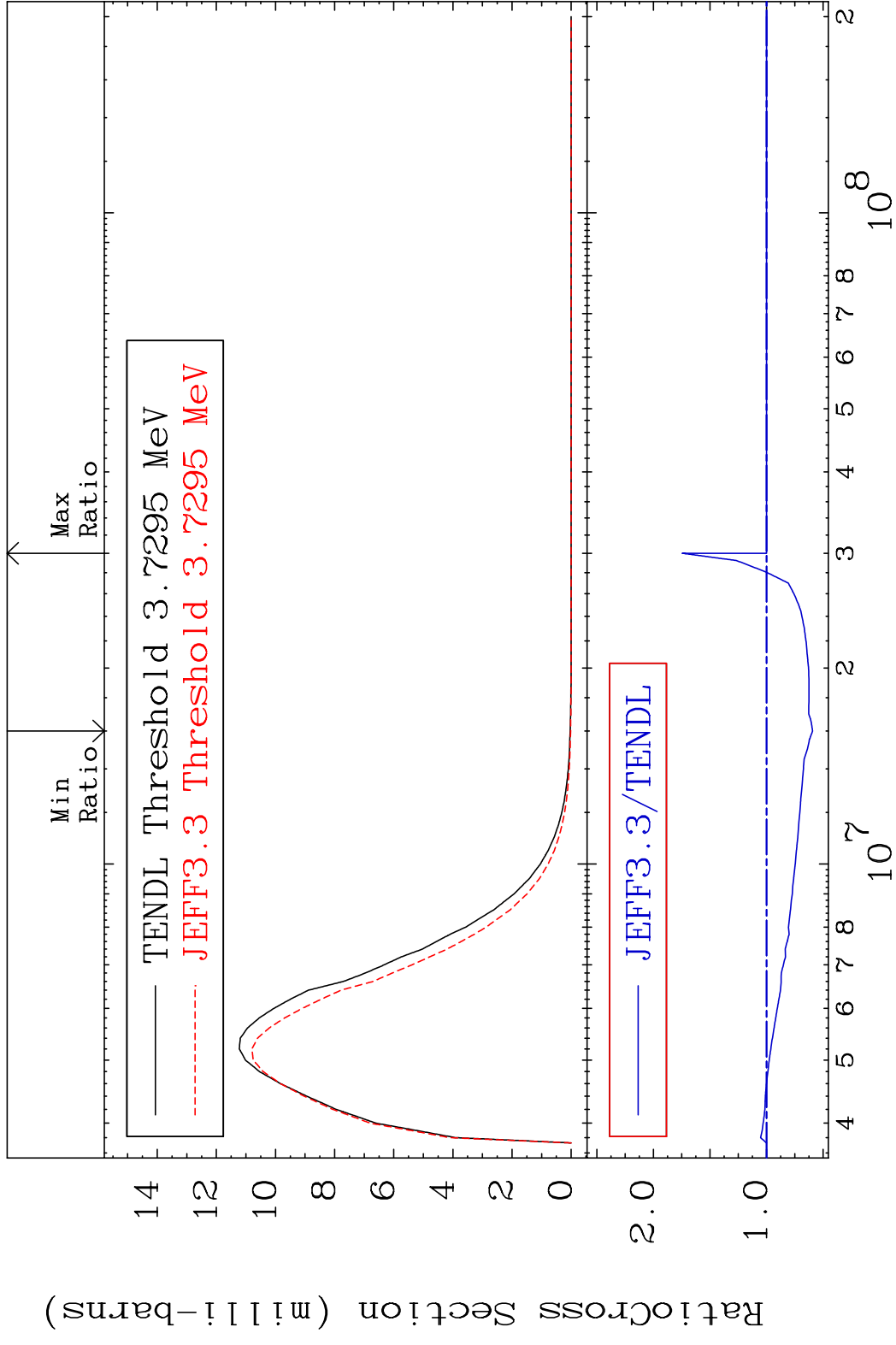
MAT 2219 MT= 57 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 1.845 %



MAT 2219 MT= 58 (n, n') Level 22-Ti-44  
 Cross Section -16.04 To 184.4 %



MAT 2219 MT= 59 (n, n') Level 22-Ti-44  
 Cross Section -40.74 To 74.38 %



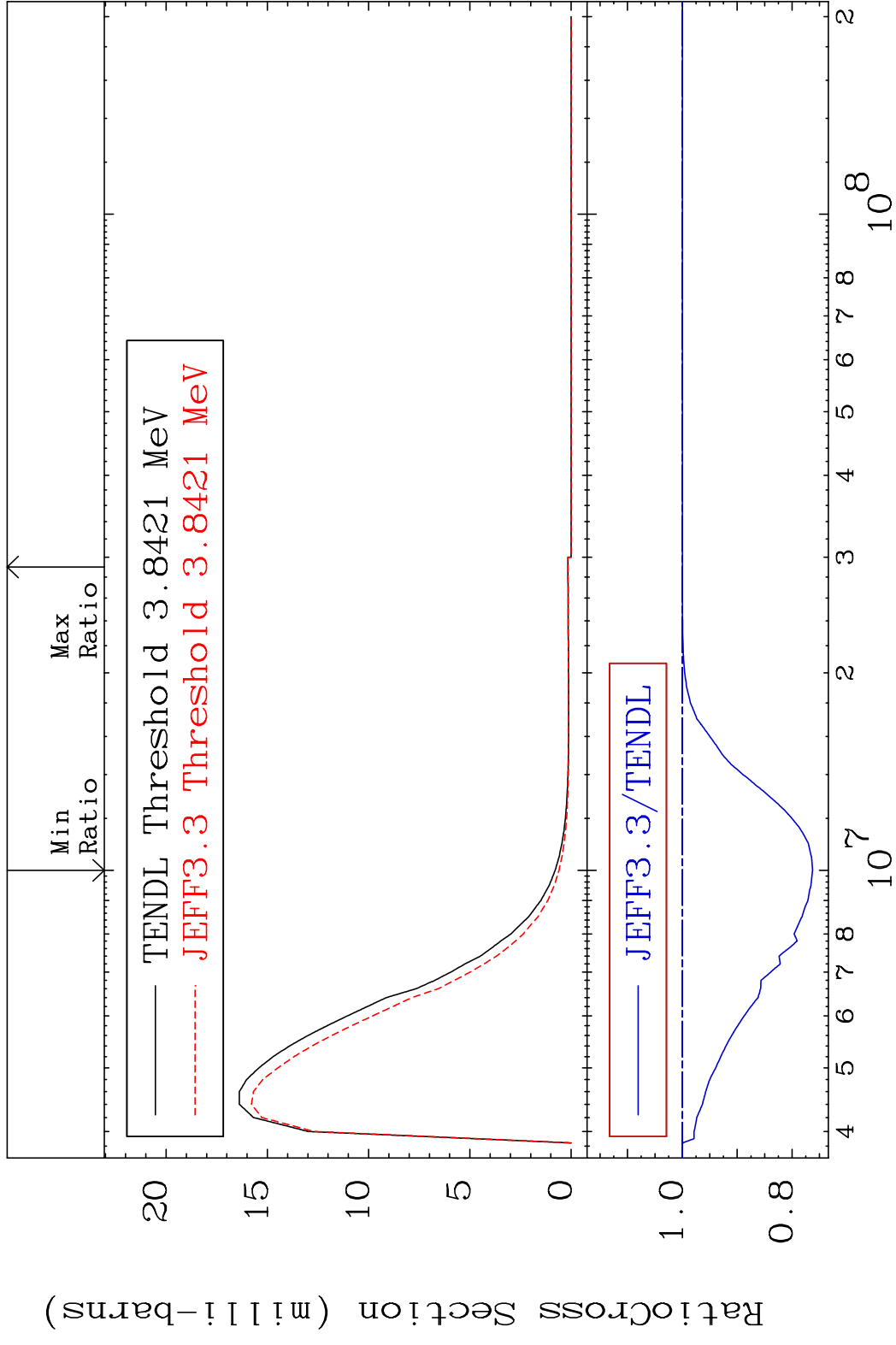


MAT 2219

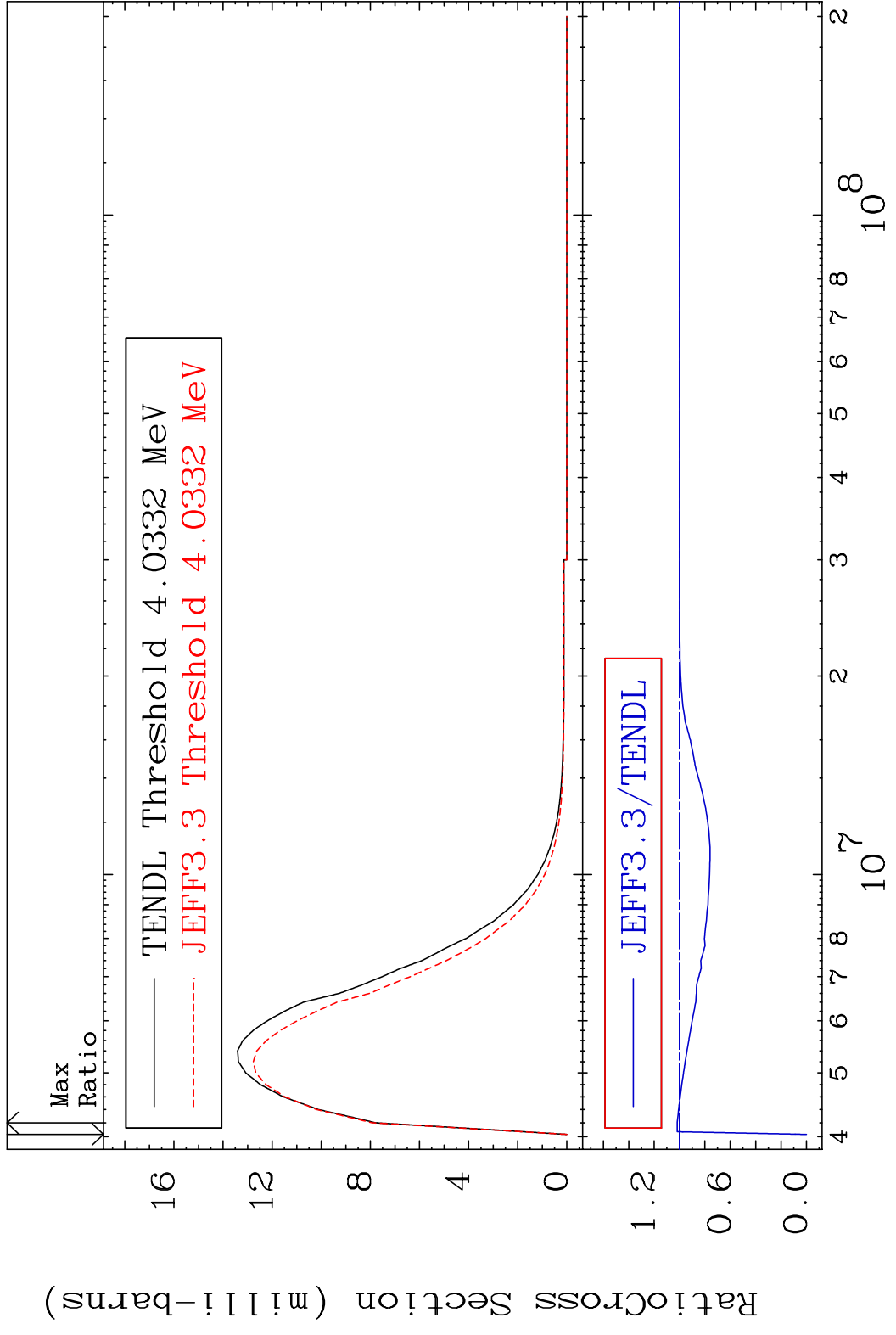
MT= 60 (n, n') Level

22-Ti-44

Cross Section -23.73 To 0.000 %



MAT 2219 MT= 61 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 1.832 %

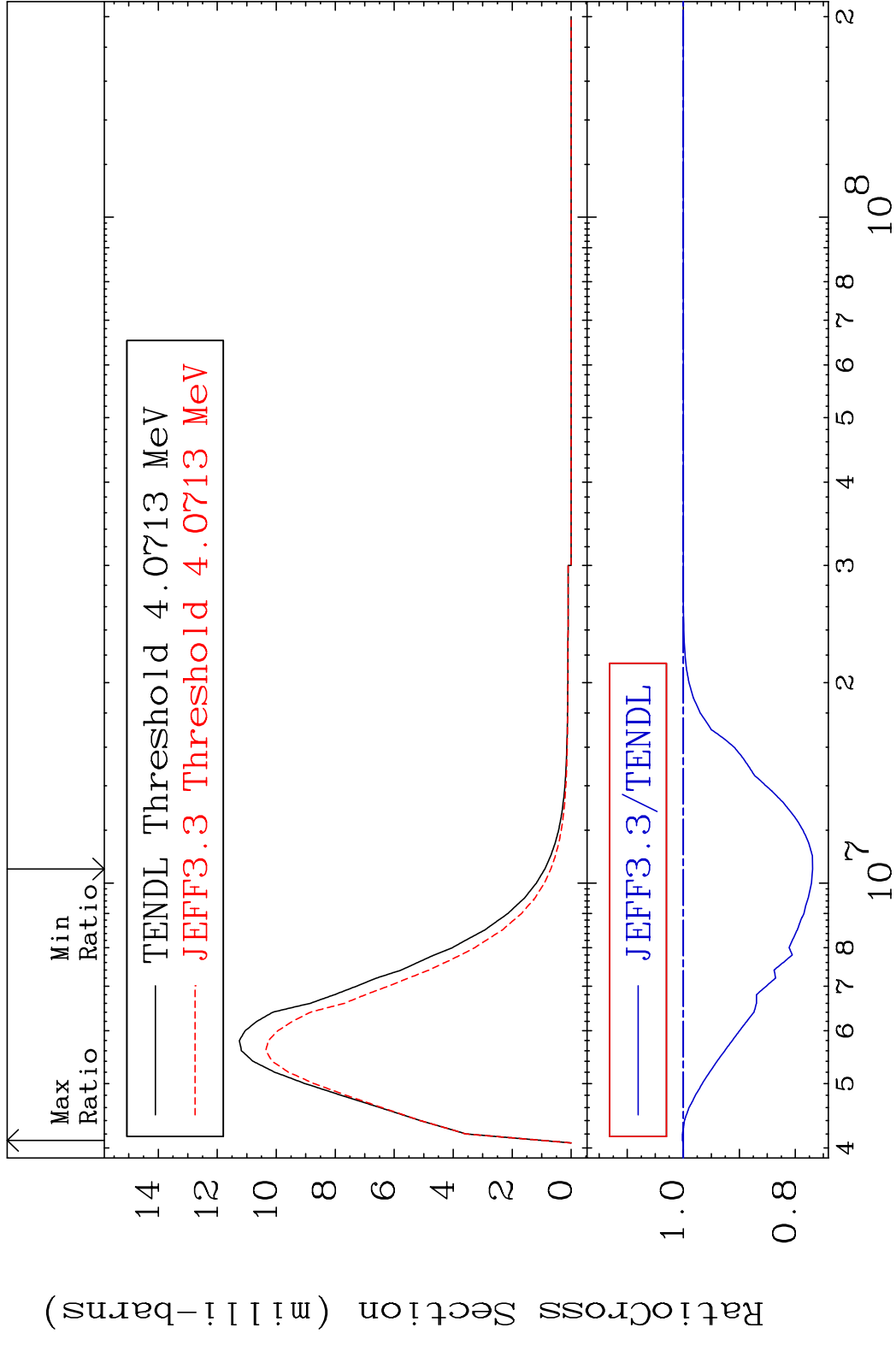


MAT 2219

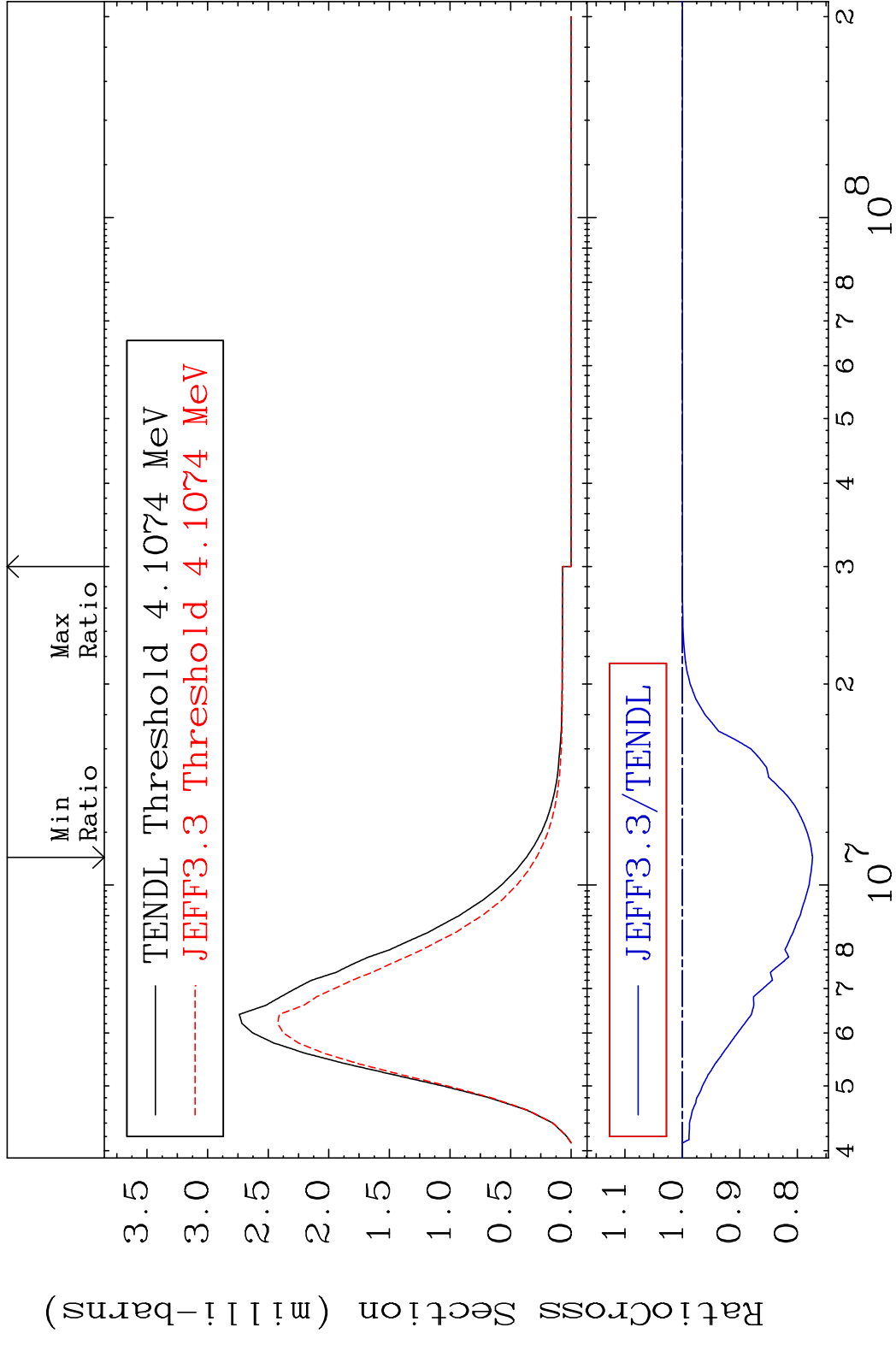
MT= 62 (n, n') Level

22-Ti-44

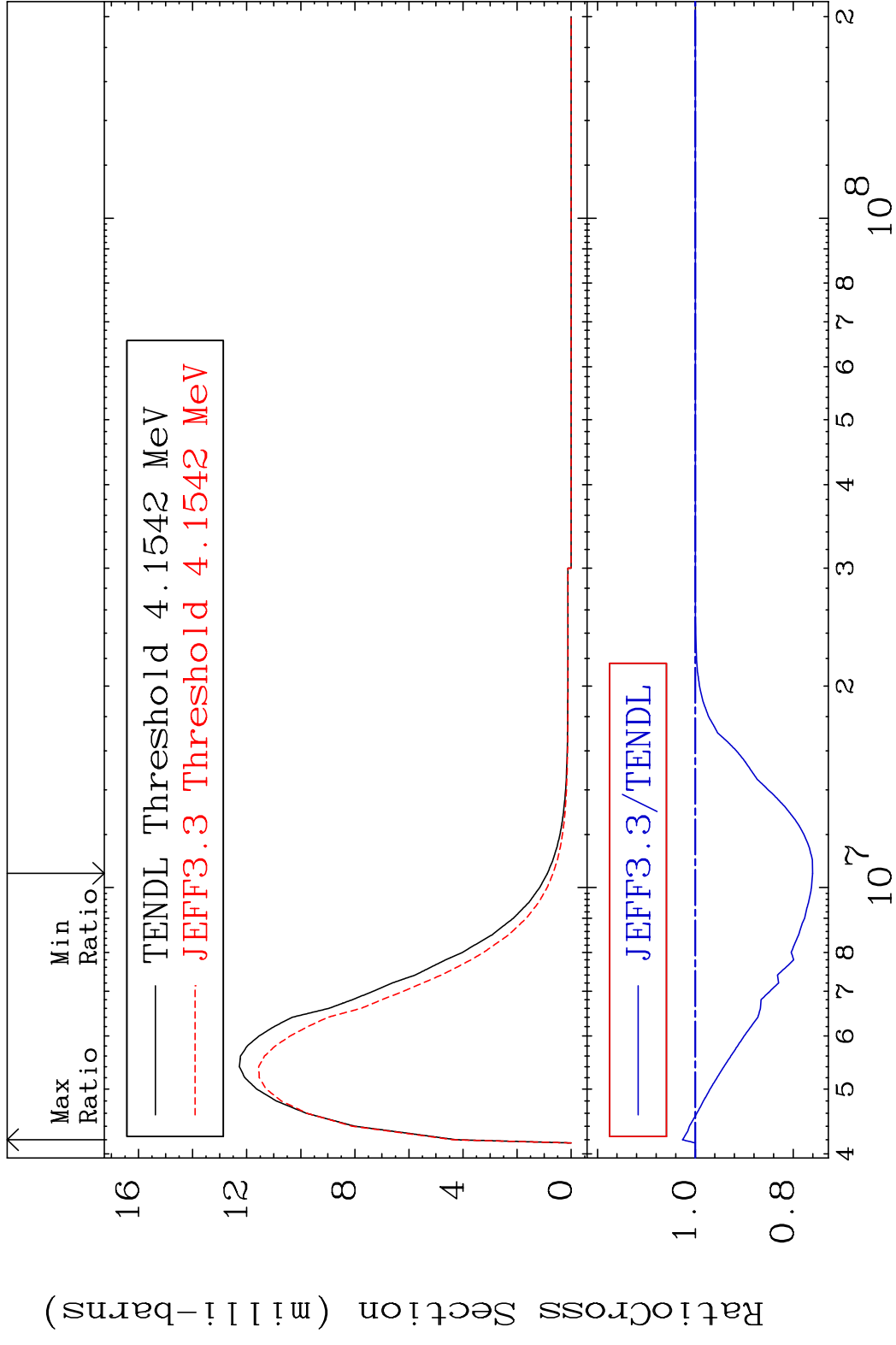
Cross Section -23.07 To 0.166 %



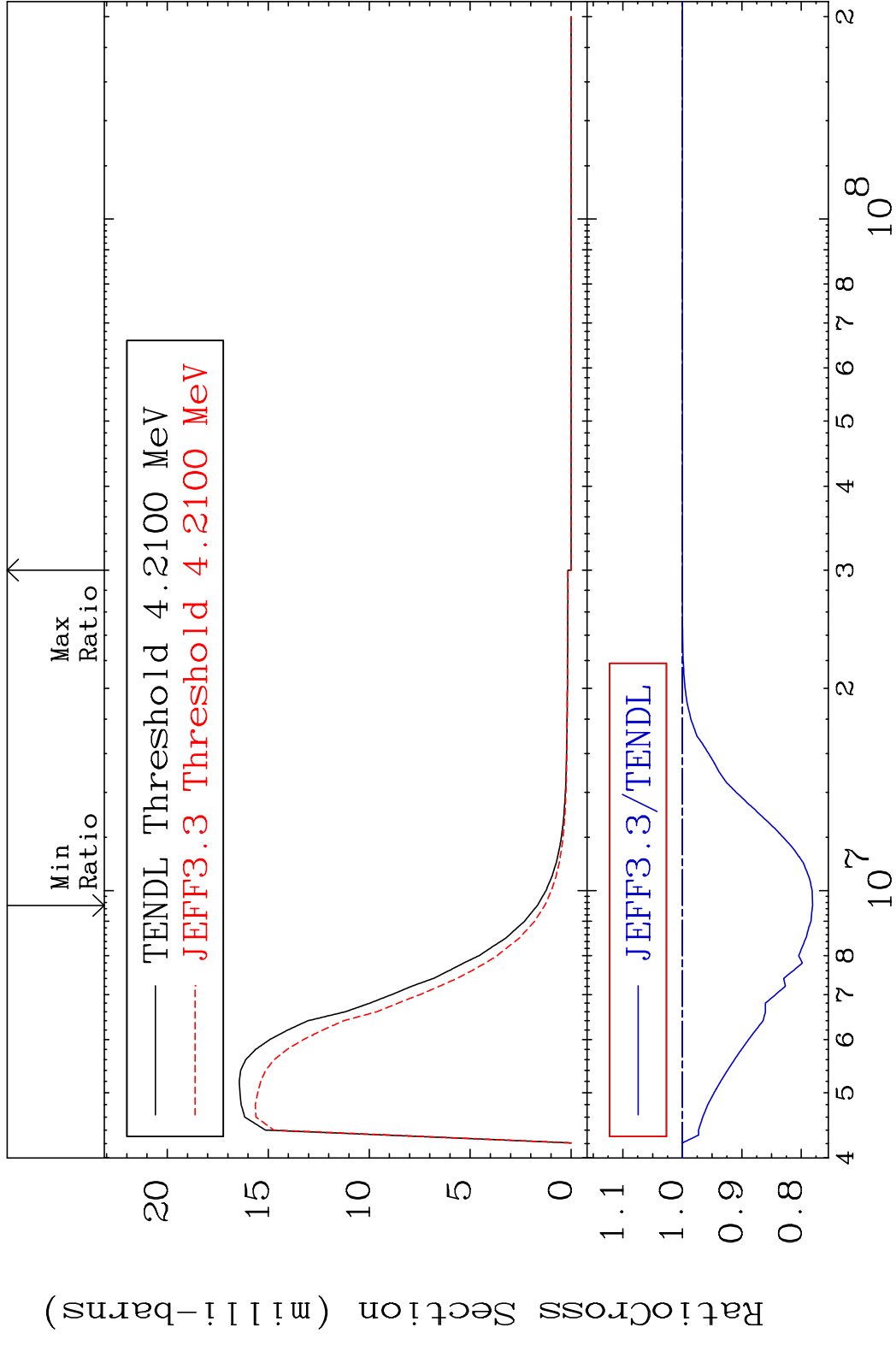
MAT 2219 MT= 63 (n, n') Level 22-Ti-44  
 Cross Section -22.67 To 0.005 %



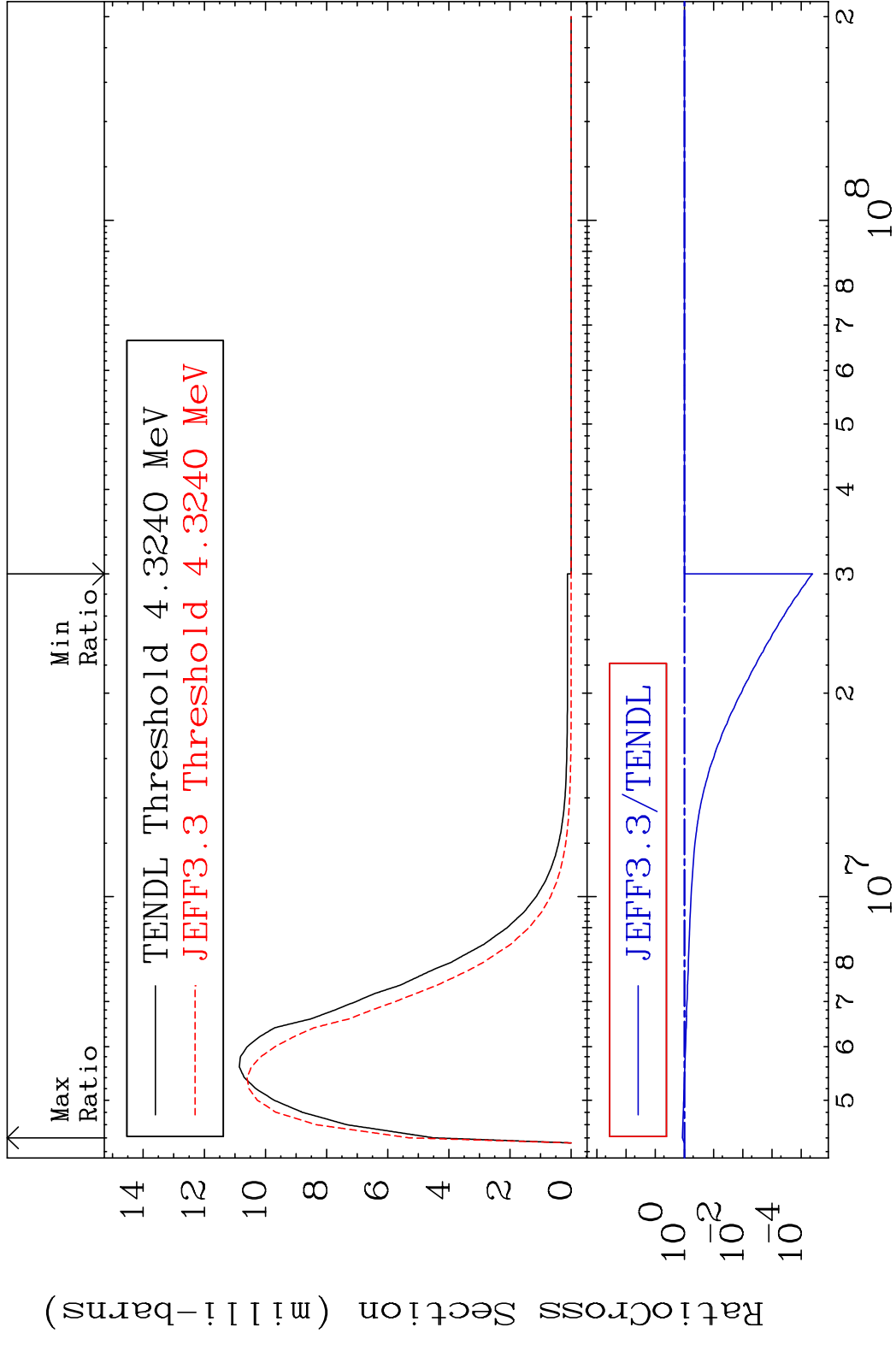
MAT 2219 MT= 64 (n, n') Level 22-Ti-44  
 Cross Section -23.97 To 2.648 %



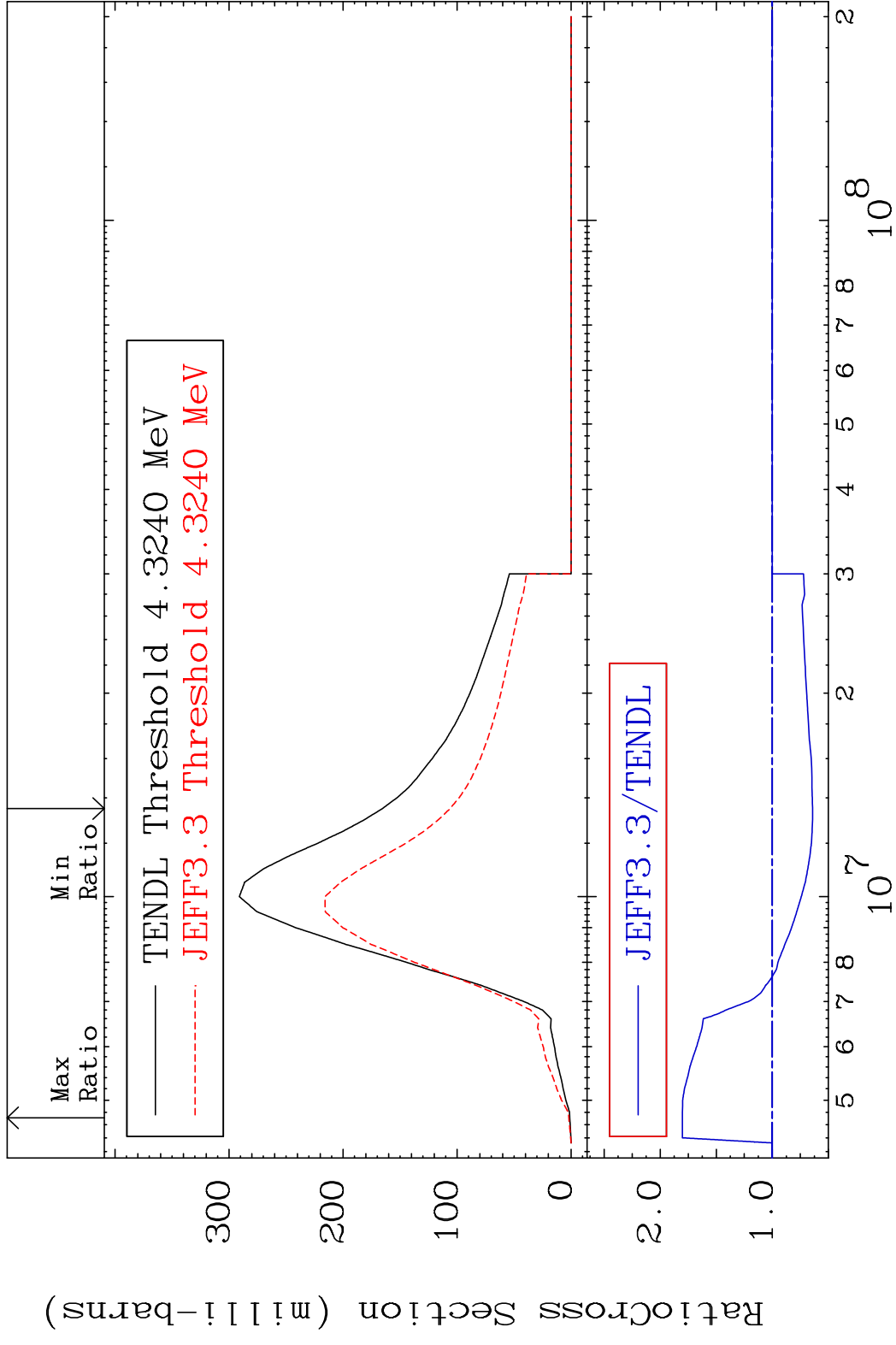
MAT 2219 MT= 65 (n, n') Level 22-Ti-44  
 Cross Section -21.90 To 0.001 %



MAT 2219 MT= 66 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 17.62 %



MAT 2219 (n,n') Continuum 22-Ti-44  
 Cross Section -35.86 To 80.23 %



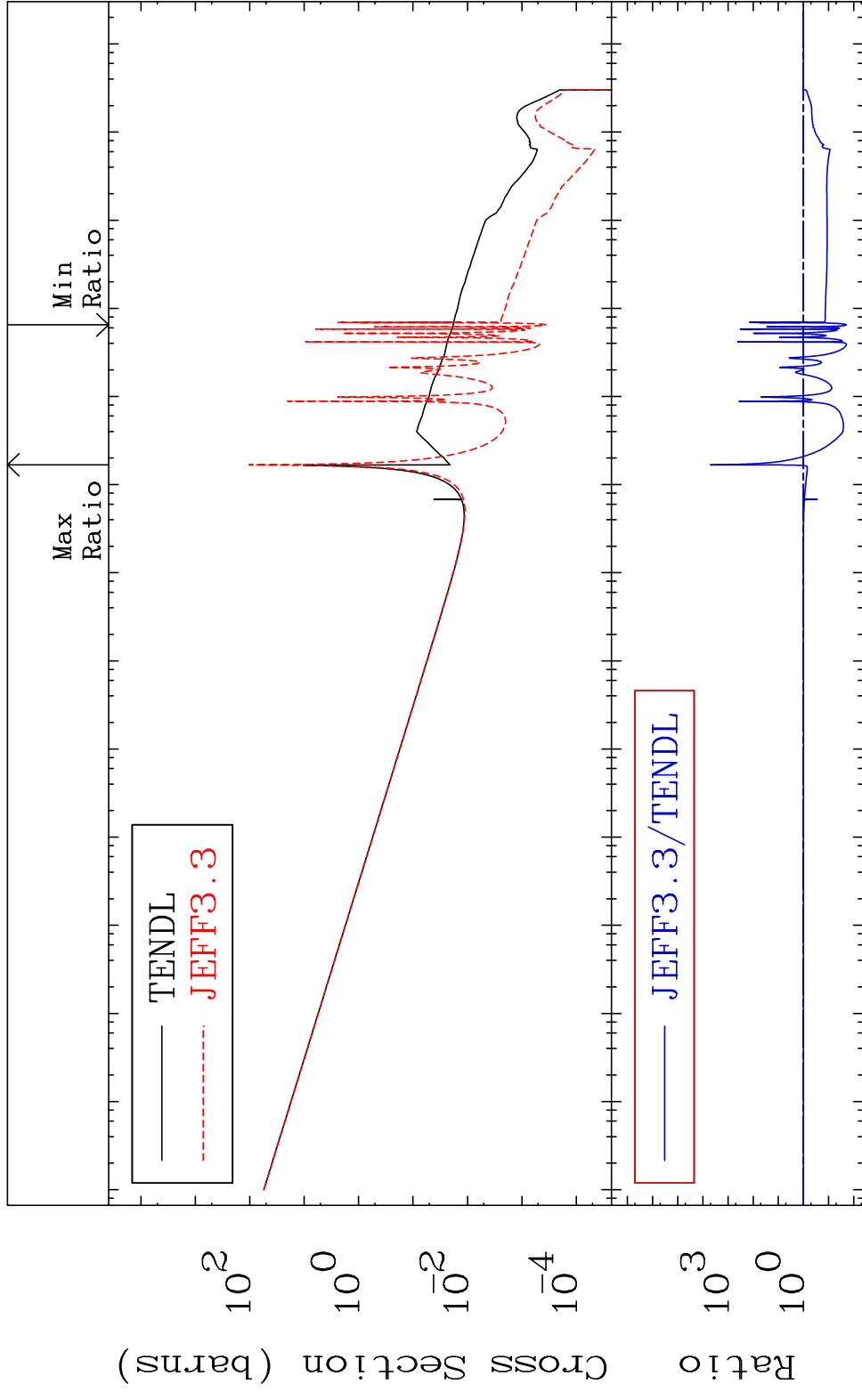


MAT 2219

22-Ti-44

(n,  $\gamma$ )

Cross Section -98.03 To 9999. %

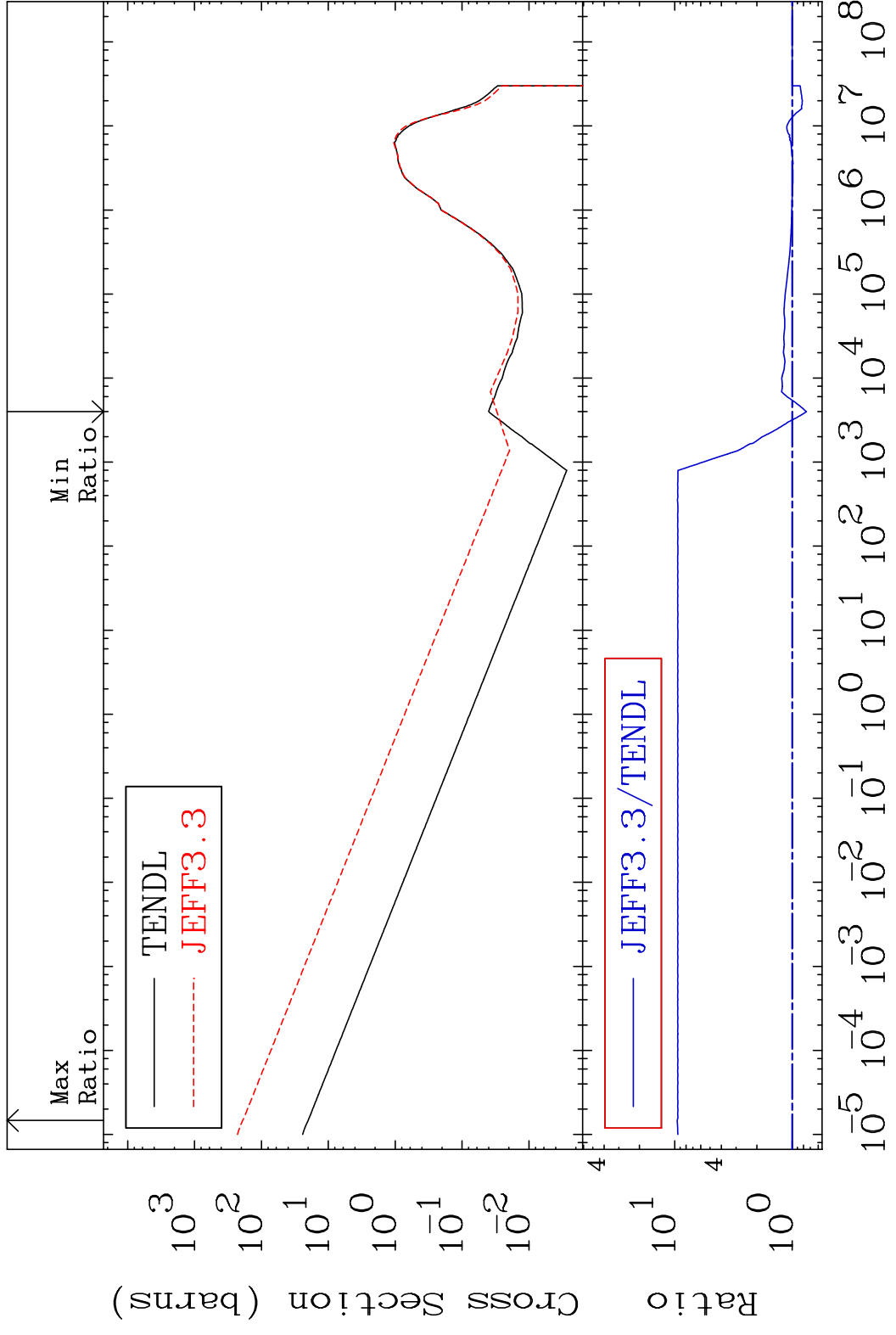


32

Incident Energy (eV)

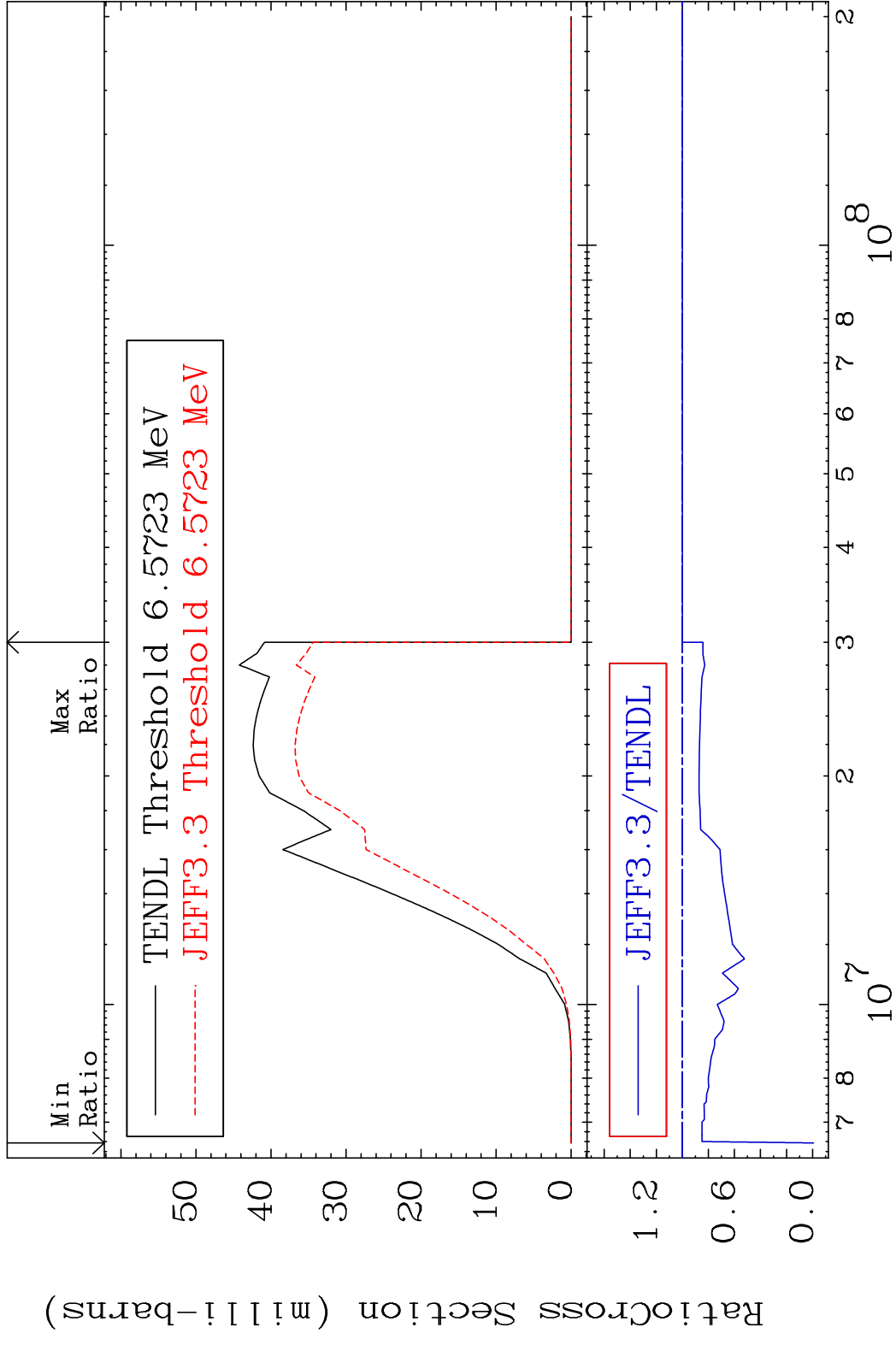
22-Ti-44

MAT 2219 (n,p) Cross Section -24.48 To 853.8 % 22-Ti-44



33 Incident Energy (eV) 22-Ti-44

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

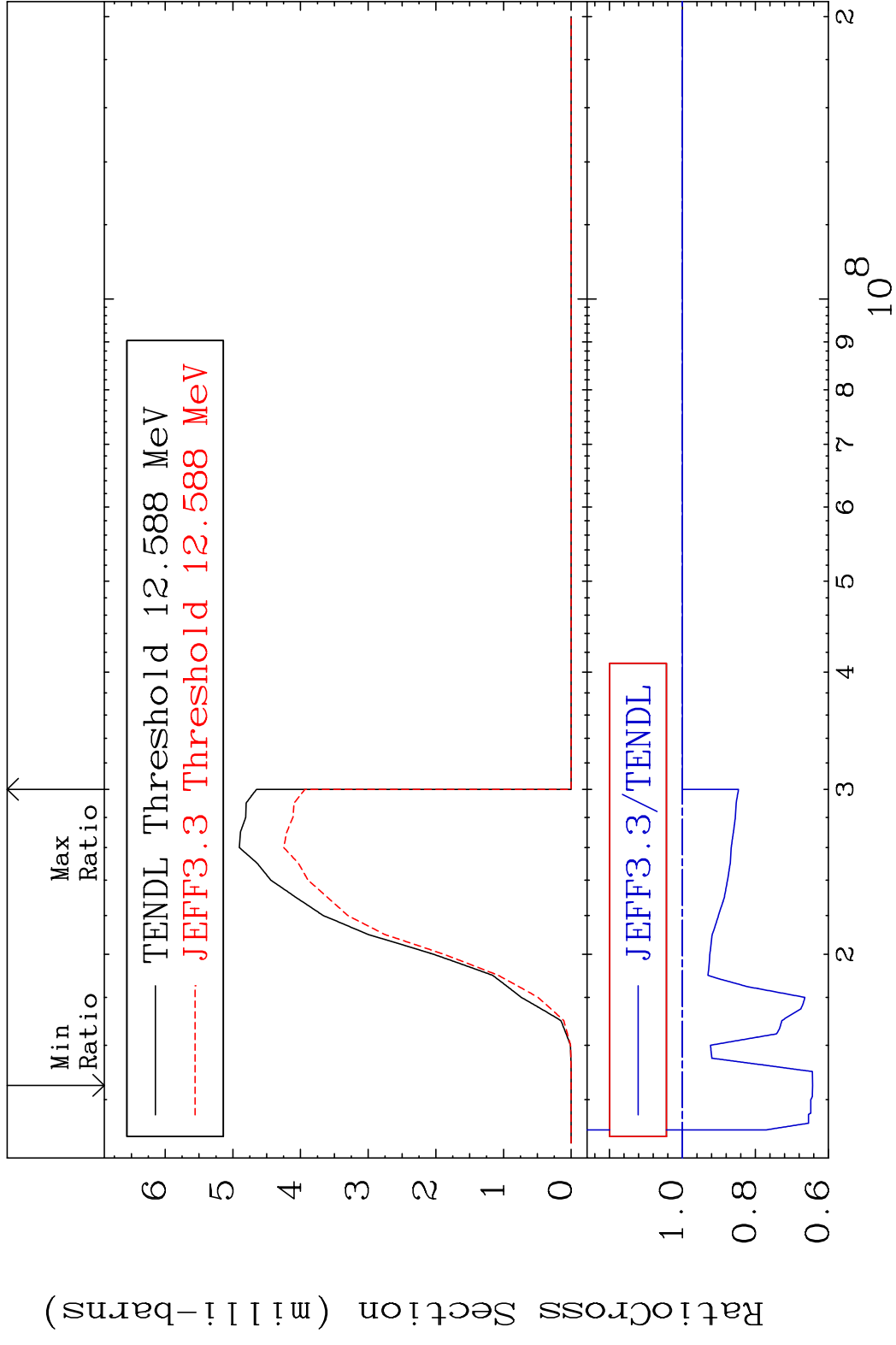


MAT 2219

(n, t)

22-Ti-44

Cross Section -35.69 To 0.000 %

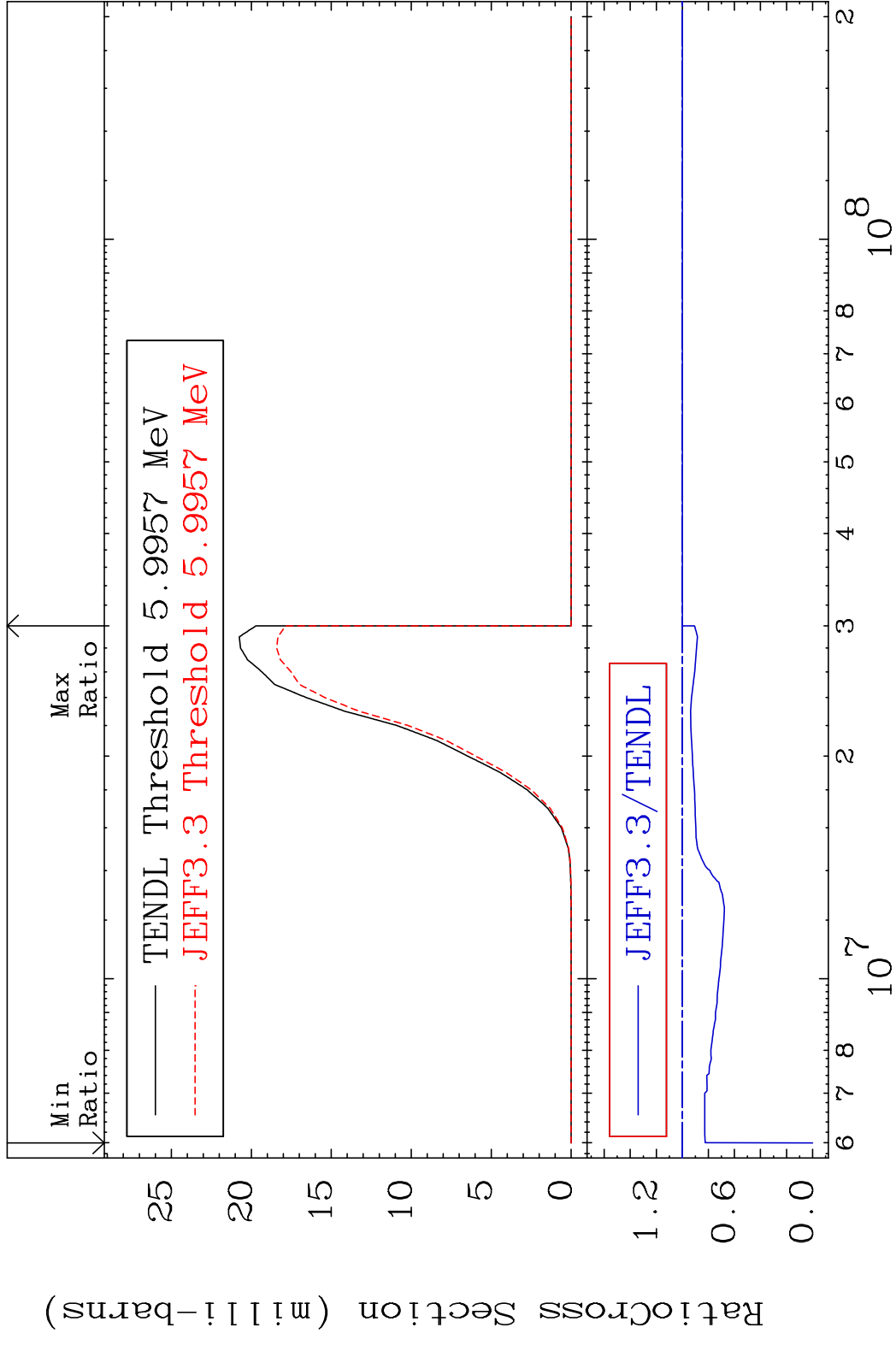


MAT 2219

(n, He-3)

<sup>22</sup>Ti-44

Cross Section -100.0 To 0.000 %

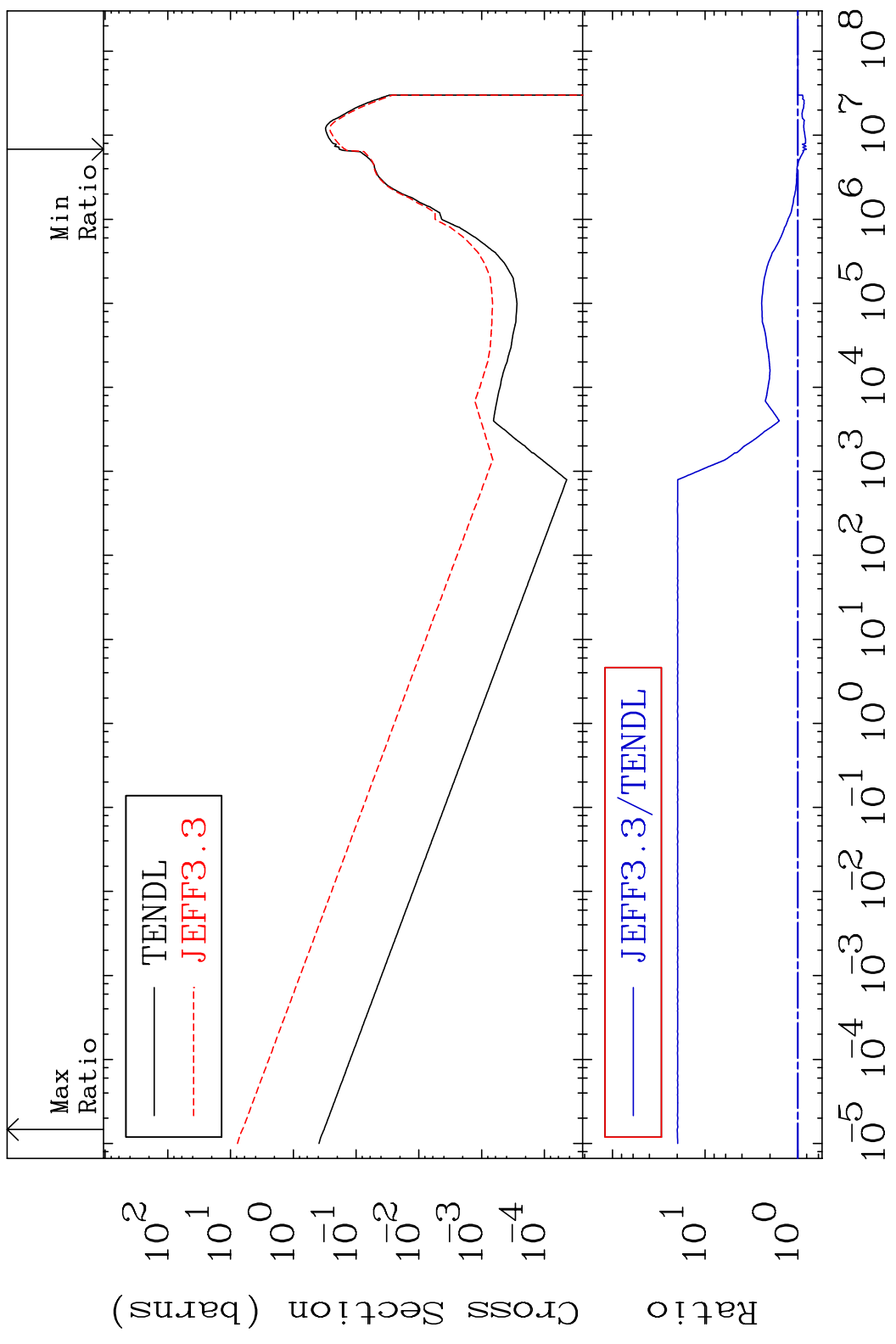


MAT 2219

(n,  $\alpha$ )

22-Ti-44

Cross Section -19.25 To 1904. %



37

Incident Energy (eV)

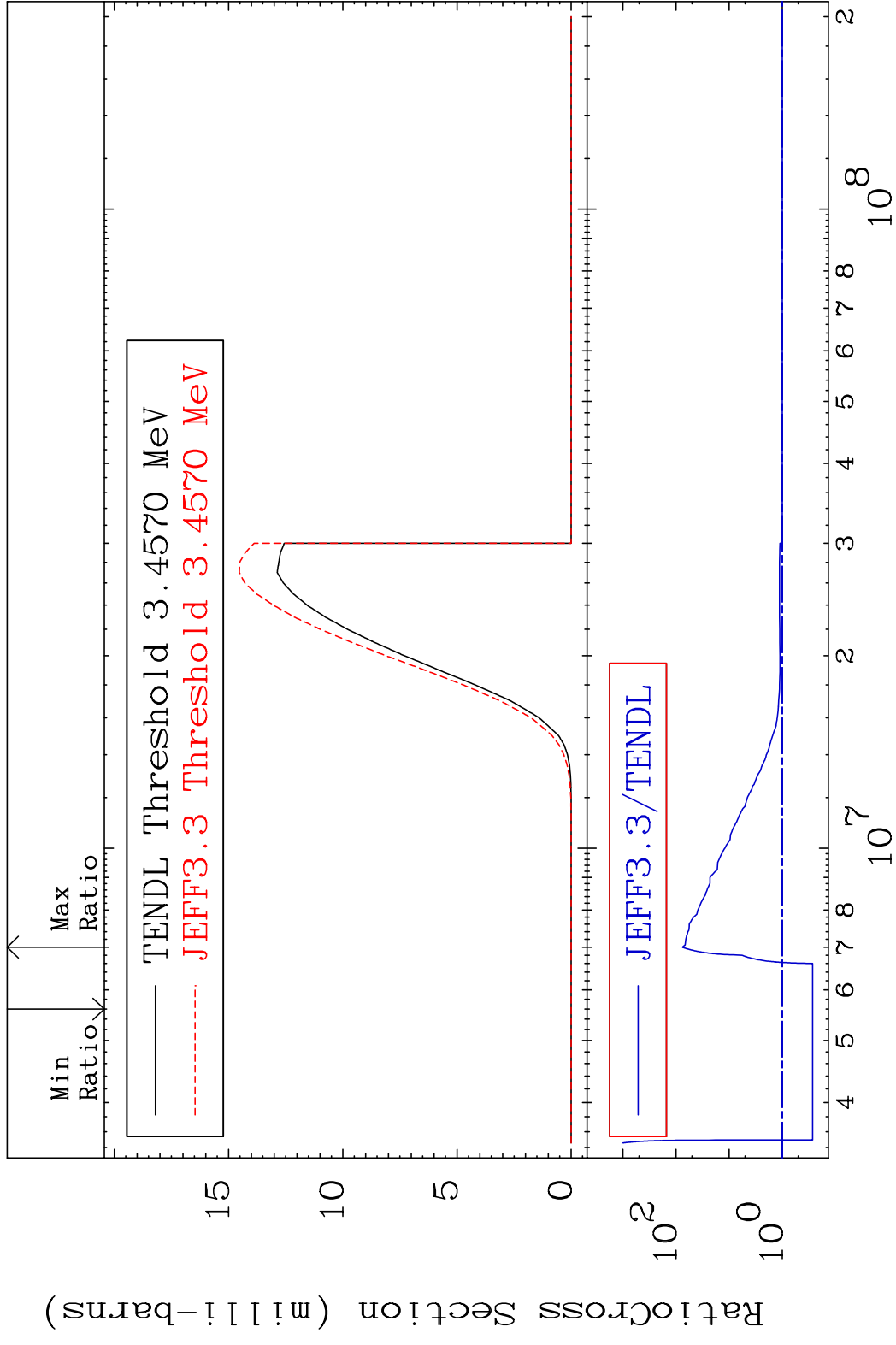
22-Ti-44

MAT 2219

(n,2α)

22-Ti-44

Cross Section -73.01 To 7521. %

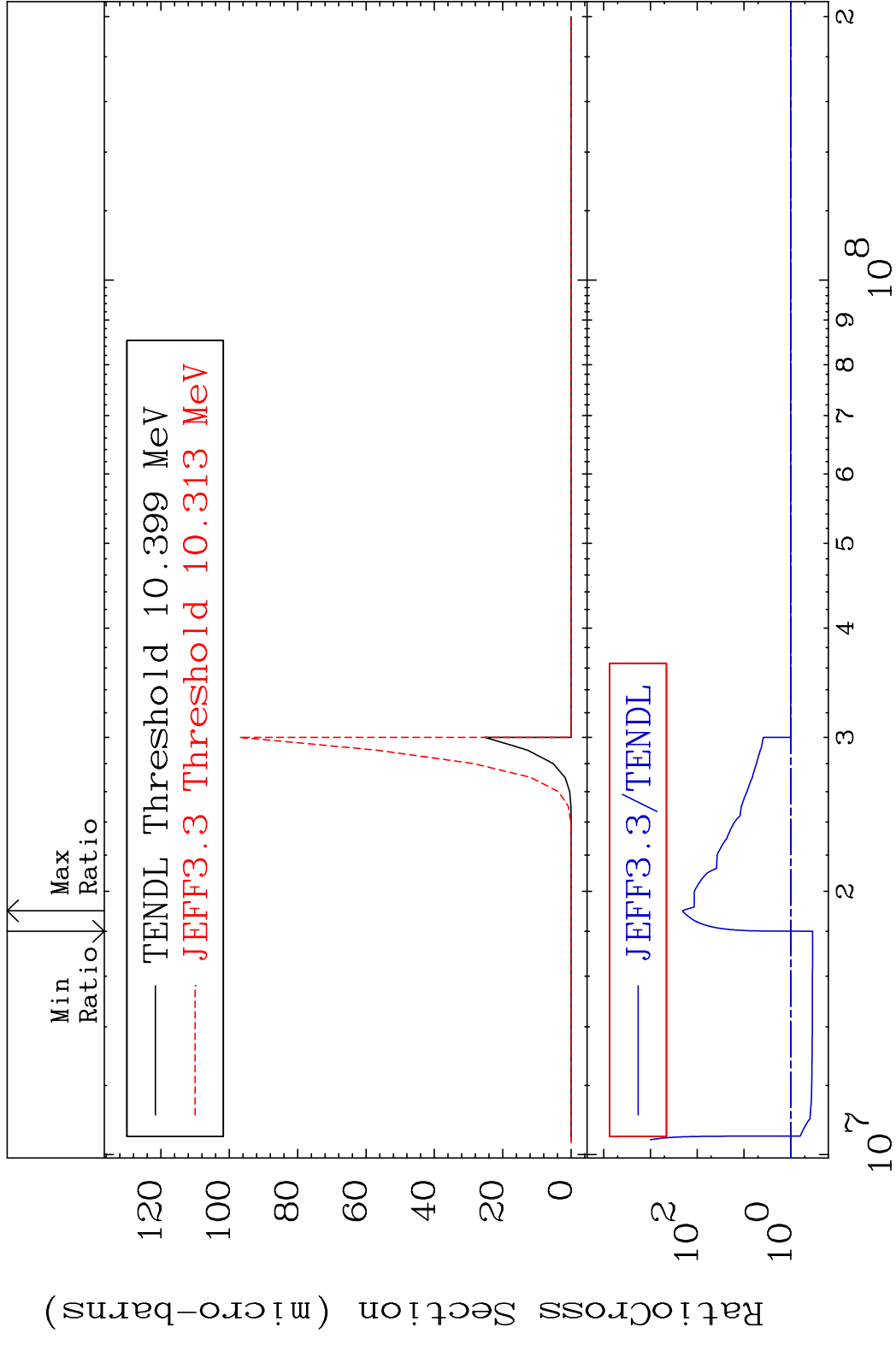


MAT 2219

(n,3α)

22-Ti-44

Cross Section -65.94 To 9999. %



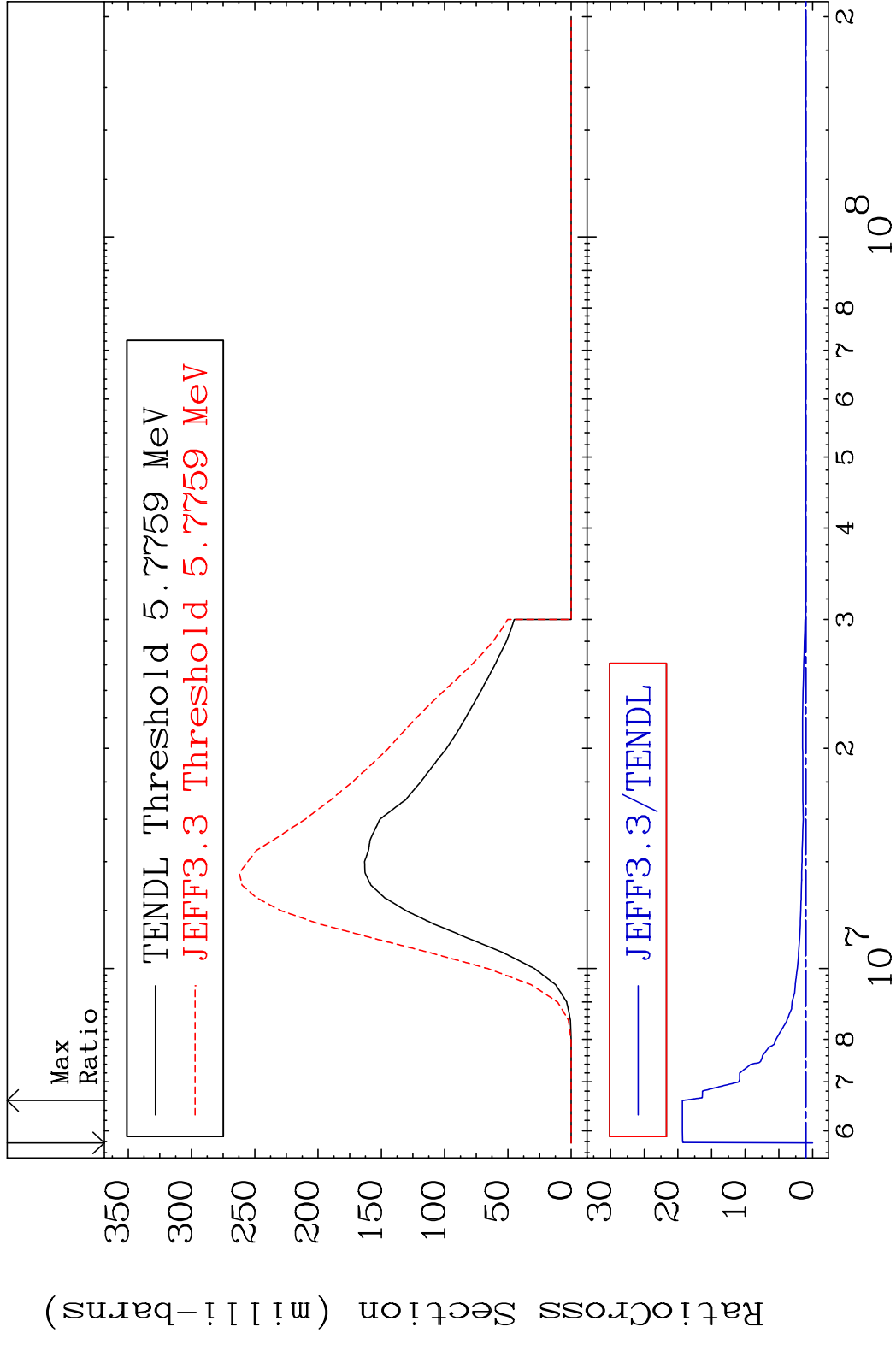
39

Incident Energy (eV)

22-Ti-44



MAT 2219 (n,2p) 22-Ti-44  
 Cross Section -100.0 To 1833. %



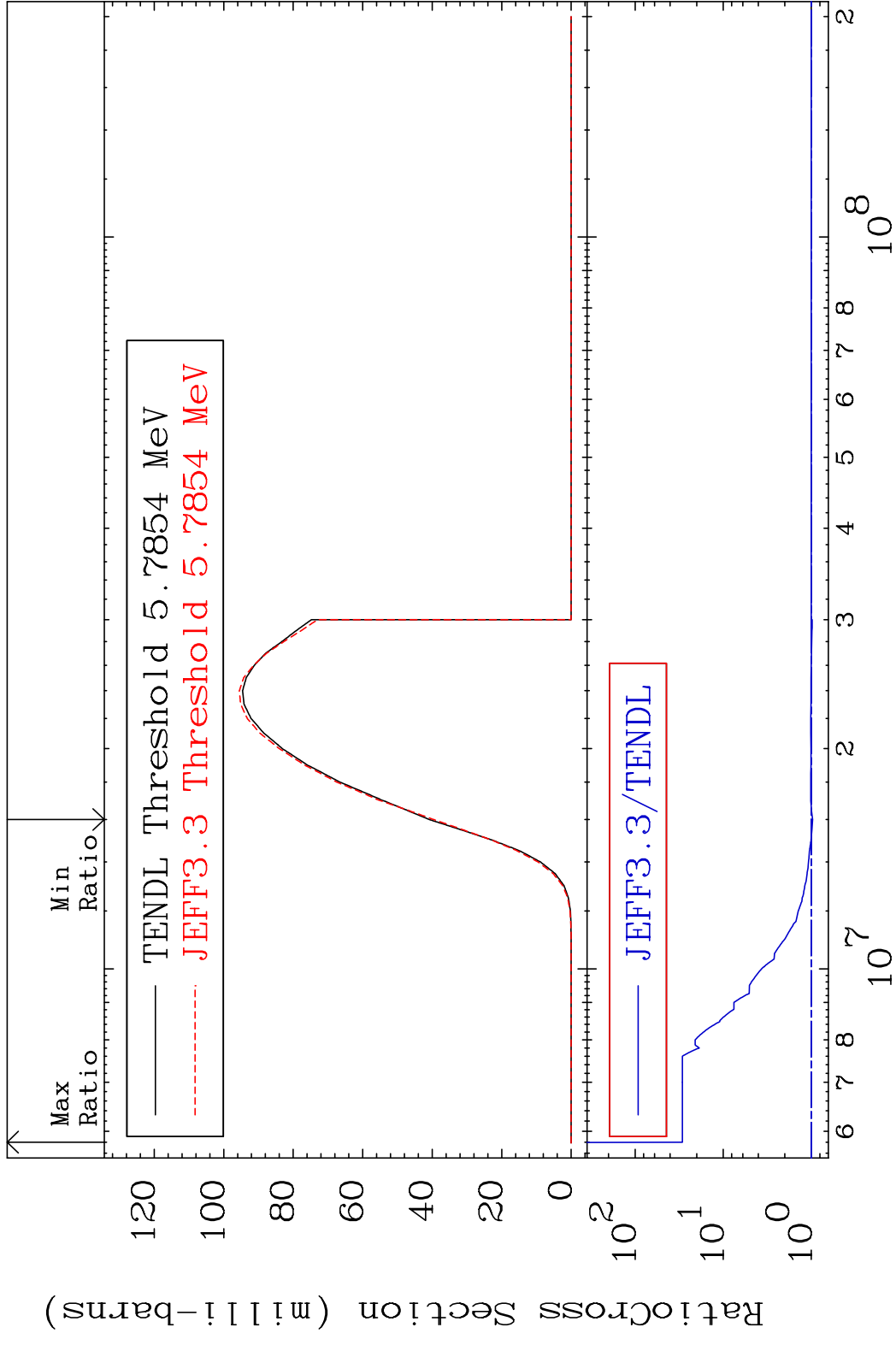
40 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

MAT 2219

(n,p)  $\alpha$

22-Ti-44

Cross Section -3.154 To 2809. %

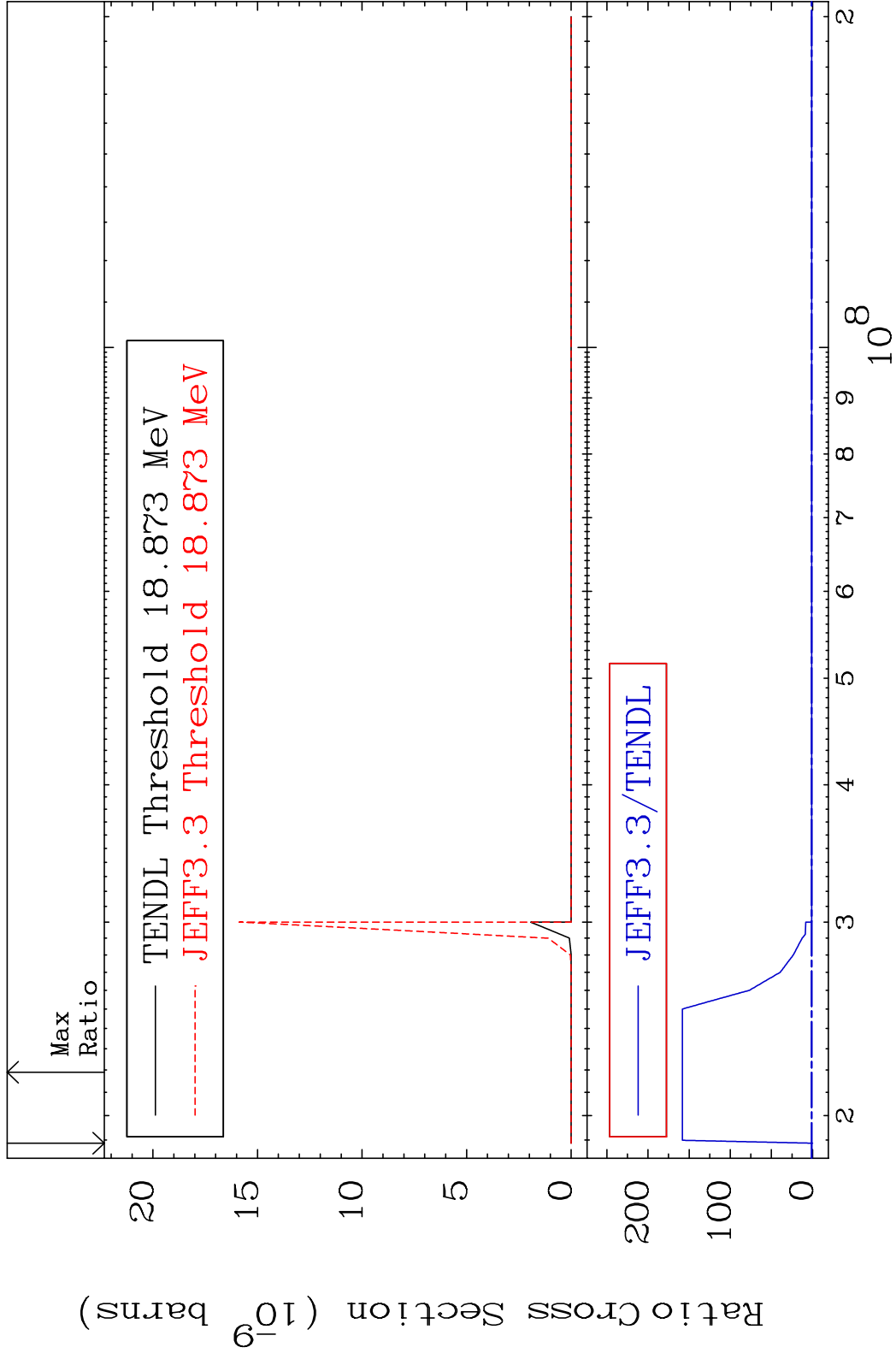


41

Incident Energy (eV)

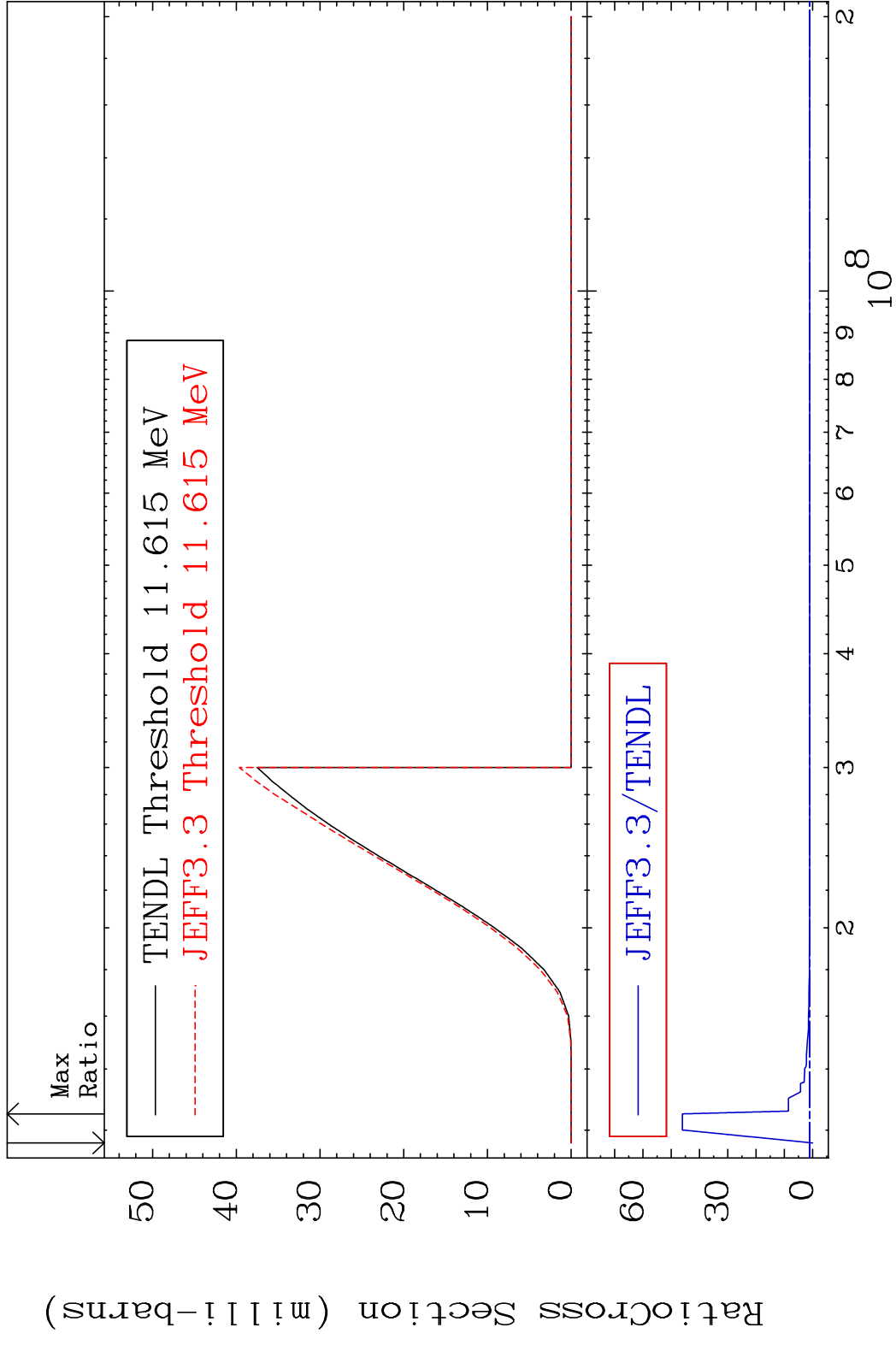
22-Ti-44

MAT 2219 (n, d)  $2\alpha$   $^{22}\text{Ti-44}$   
 Cross Section -100.0 To 9999. %



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

MAT 2219 (n,p) d 22-Ti-44  
 Cross Section -100.0 To 4508. %



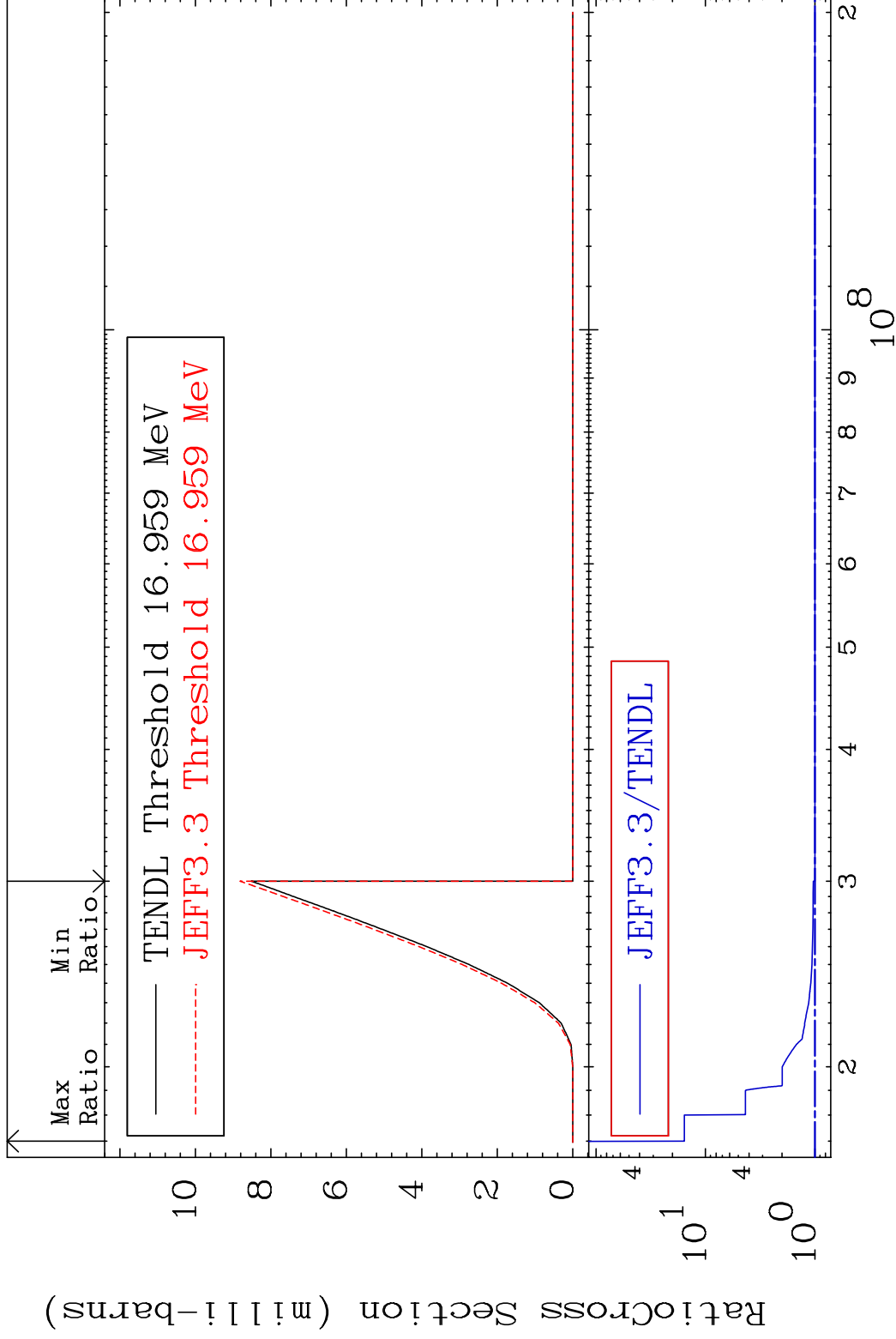
43 Incident Energy (eV) 22-Ti-44

MAT 2219

(n,p) t

<sup>22</sup>Ti-44

Cross Section 0.000 To 1459. %

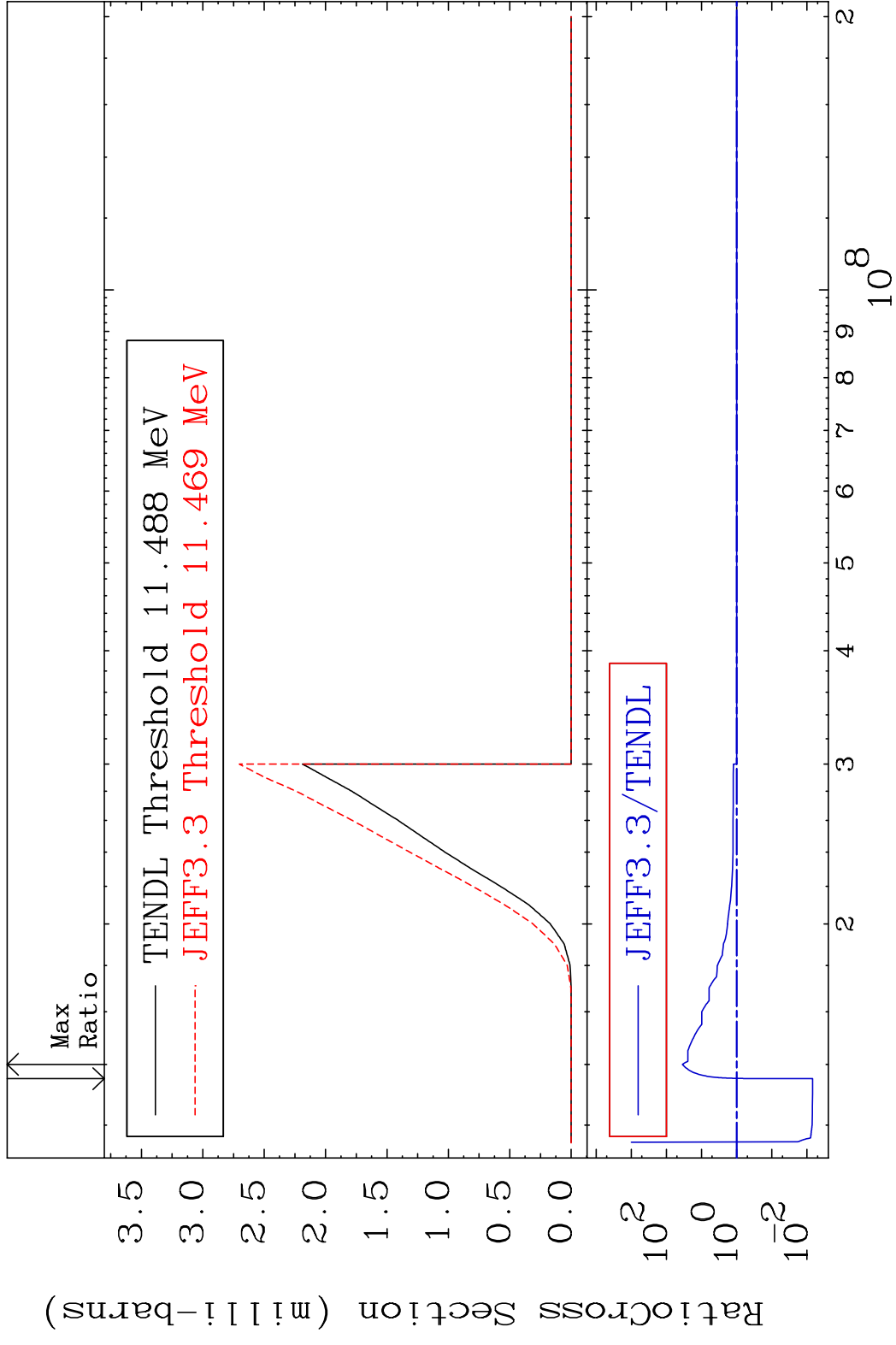


44

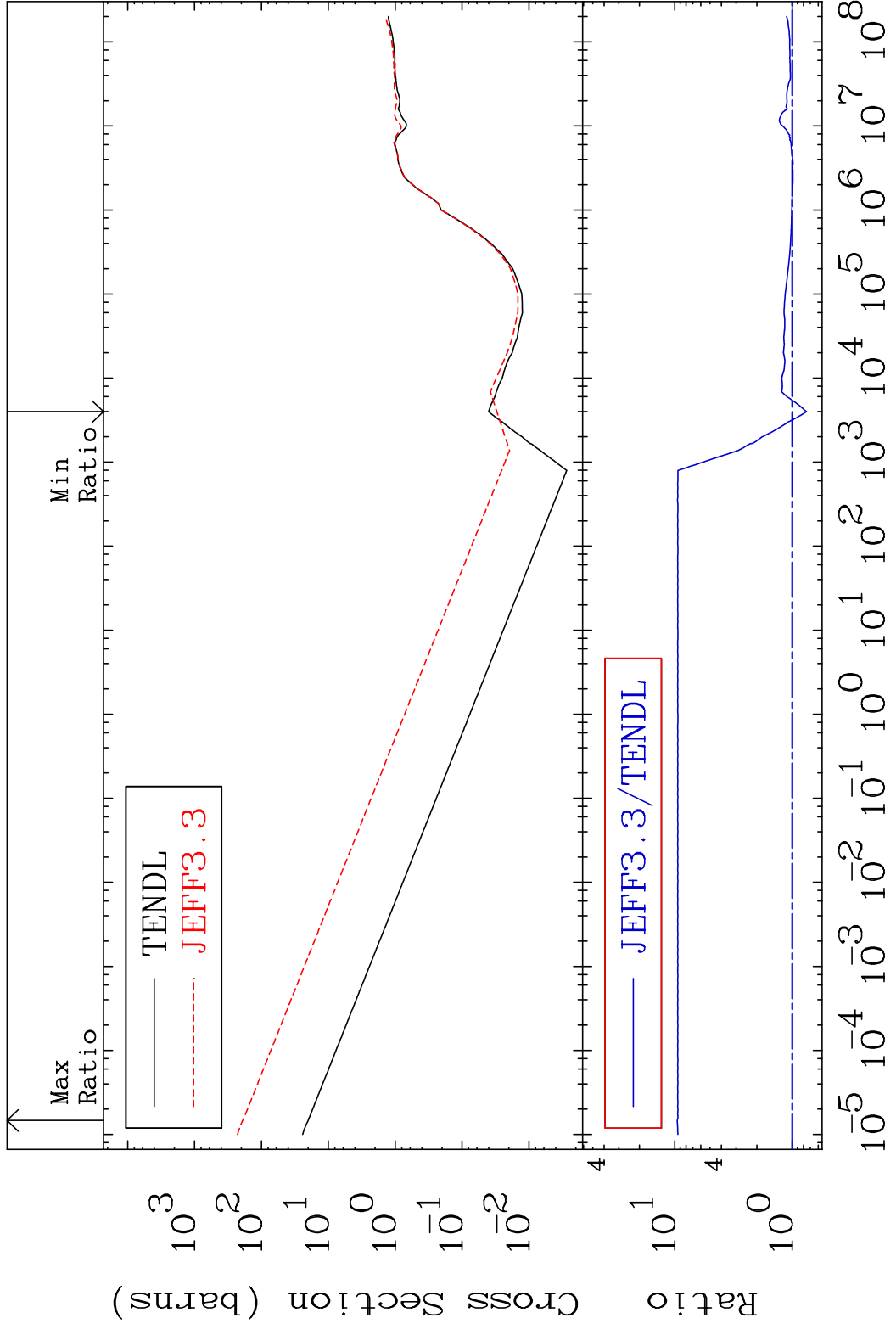
Incident Energy (eV)

<sup>22</sup>Ti-44

MAT 2219 (n,d)  $\alpha$  22-Ti-44  
 Cross Section -99.30 To 3415. %

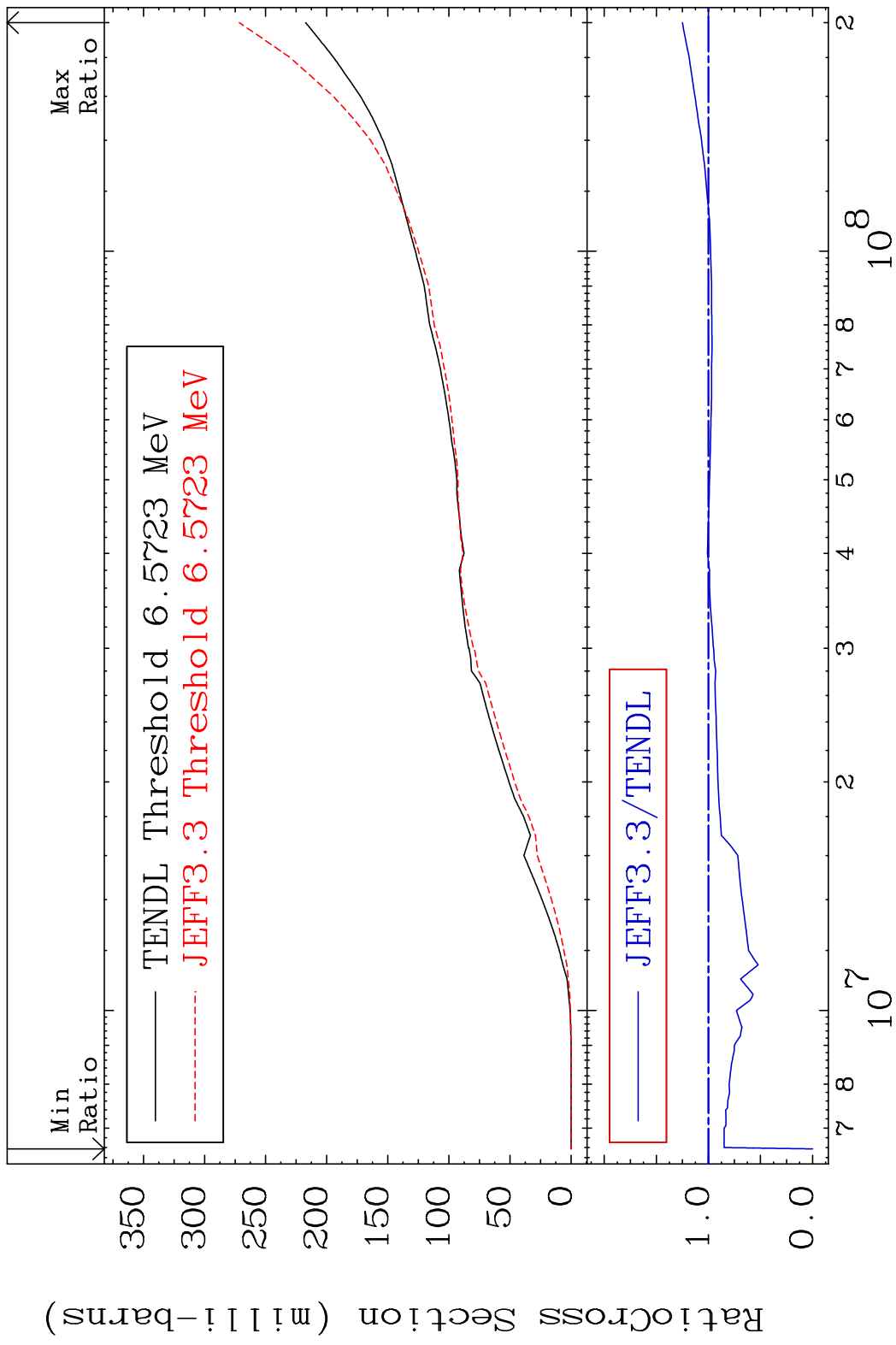


MAT 2219 Hydrogen Production 22-Ti-44  
 Cross Section -24.48 To 853.8 %



46 Incident Energy (eV) 22-Ti-44

MAT 2219 Deuterium Production 22-Ti-44  
 Cross Section -100.0 To 25.03 %



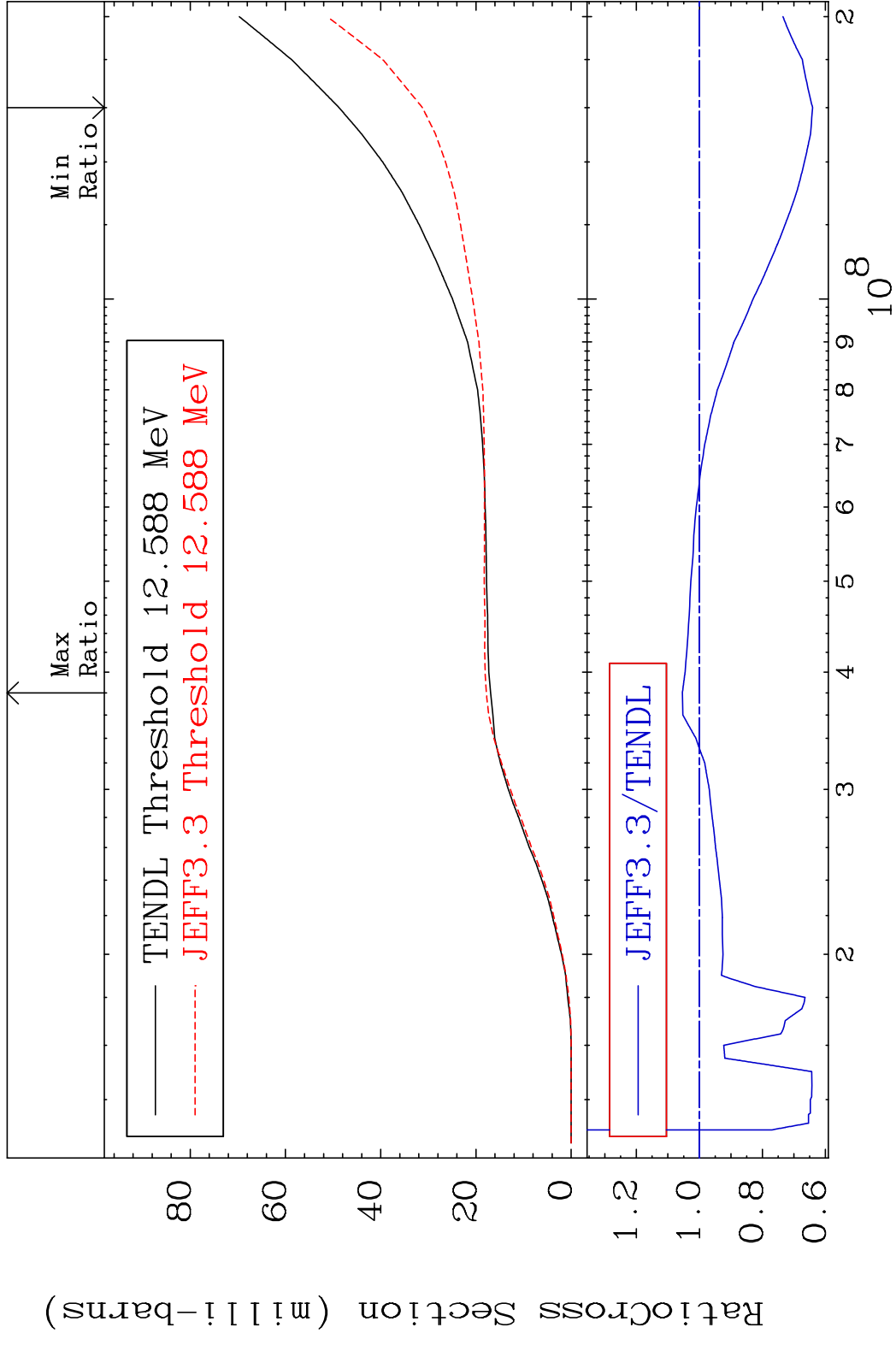


MAT 2219

Tritium Production

<sup>22</sup>Ti-44

Cross Section -35.91 To 5.413 %

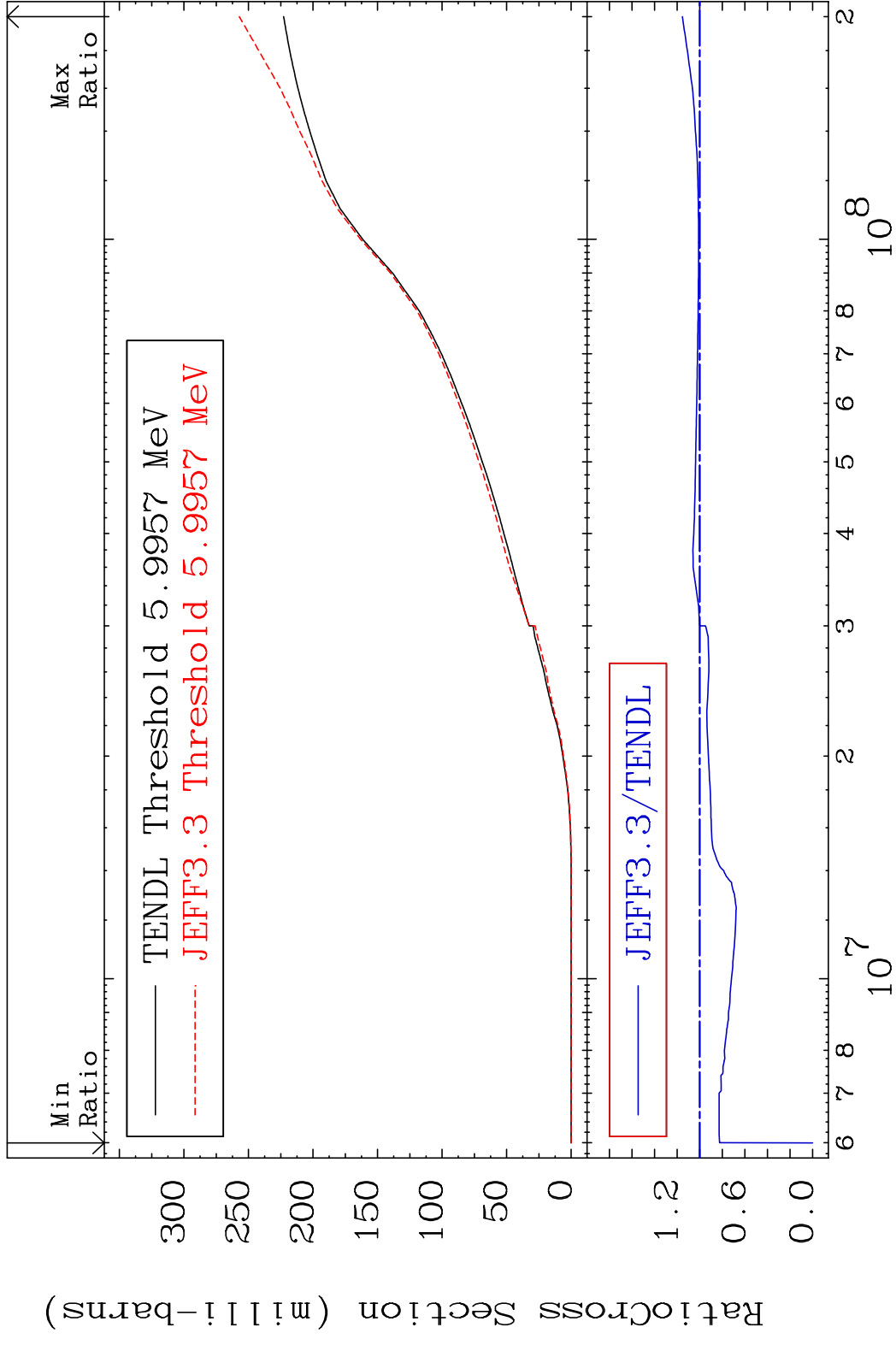


MAT 2219

He-3 Production

<sup>22</sup>Ti-44

Cross Section -100.0 To 15.42 %



49

Incident Energy (eV)

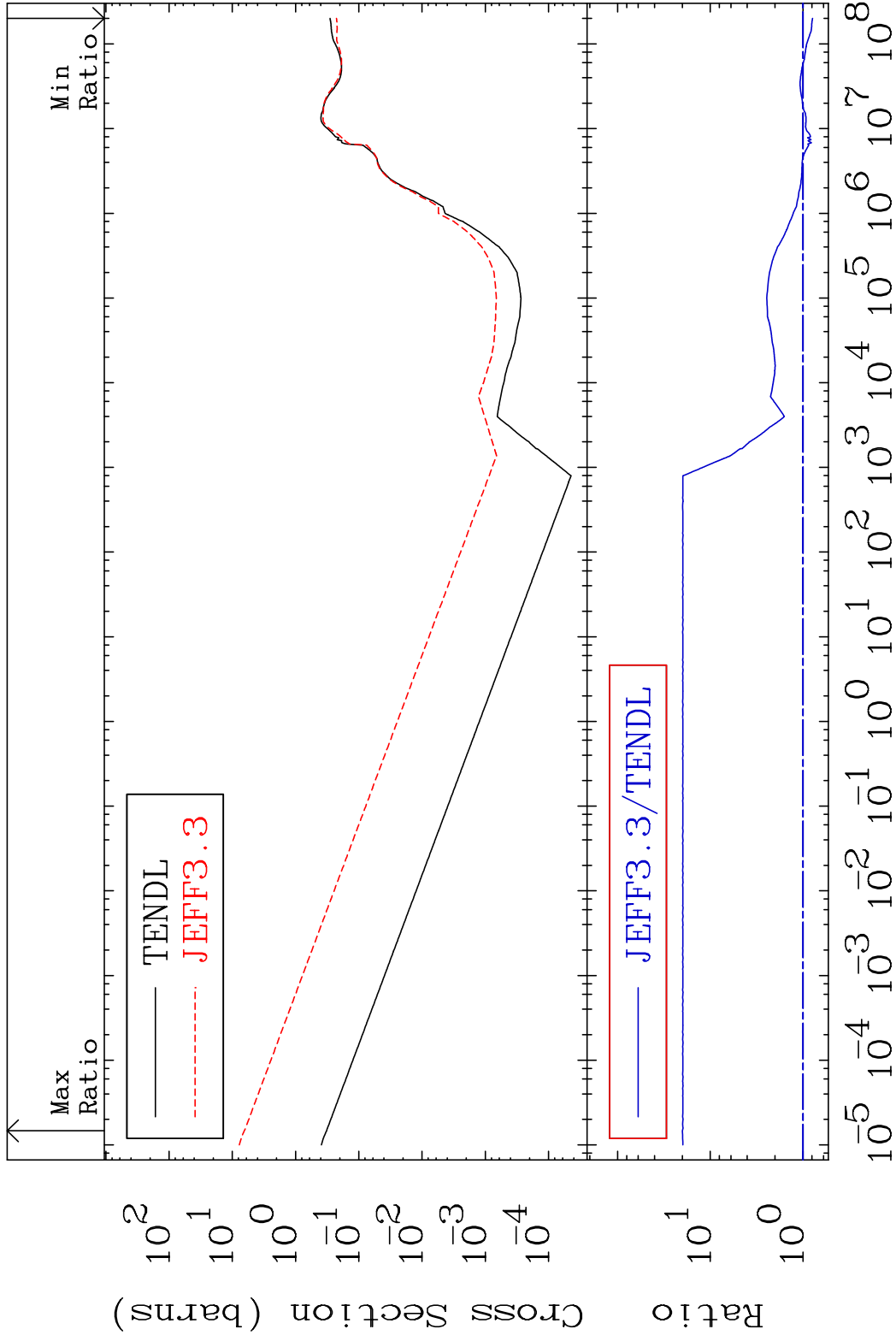
<sup>22</sup>Ti-44

MAT 2219

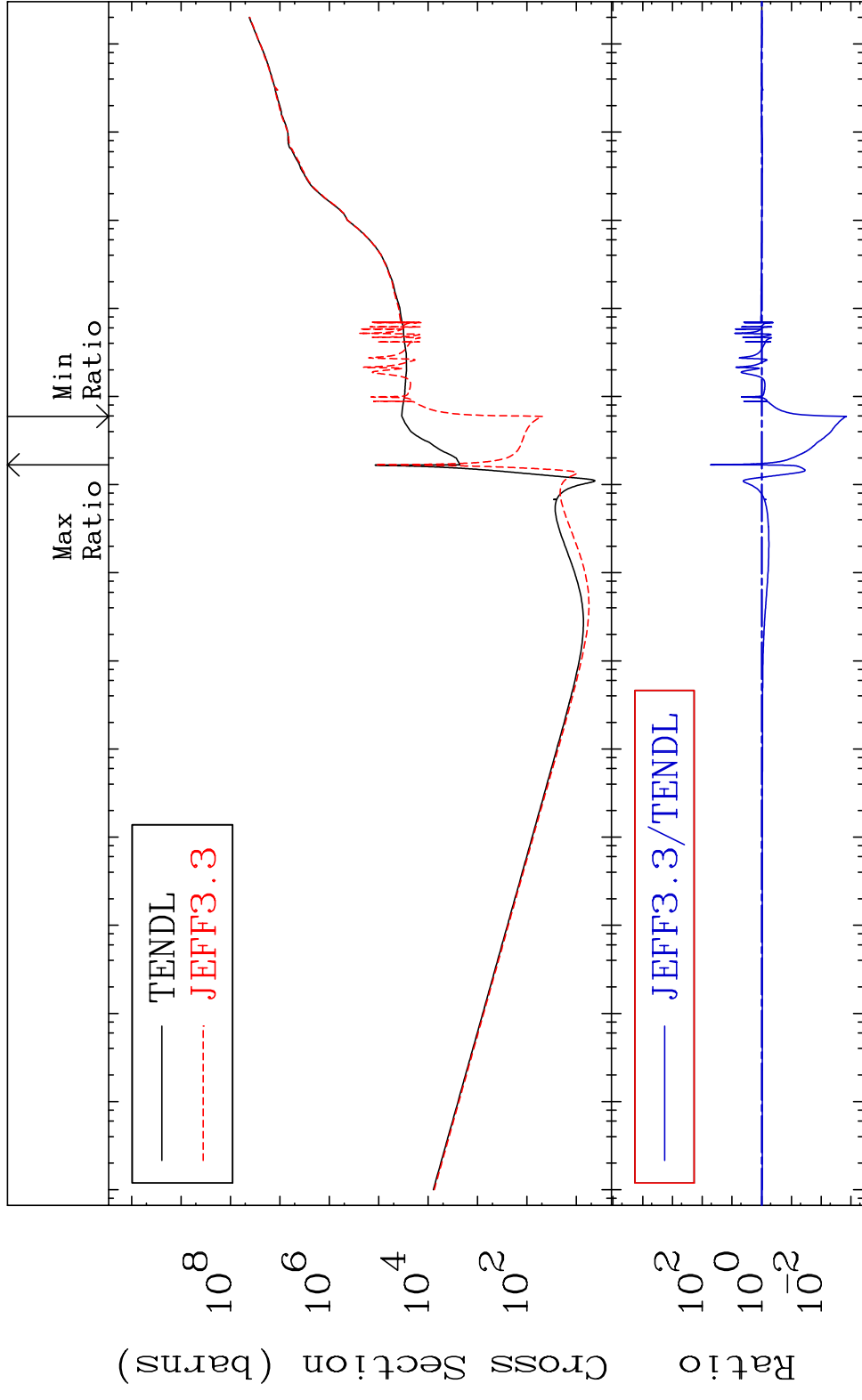
He-4 Production

22-Ti-44

Cross Section -21.20 To 1904. %



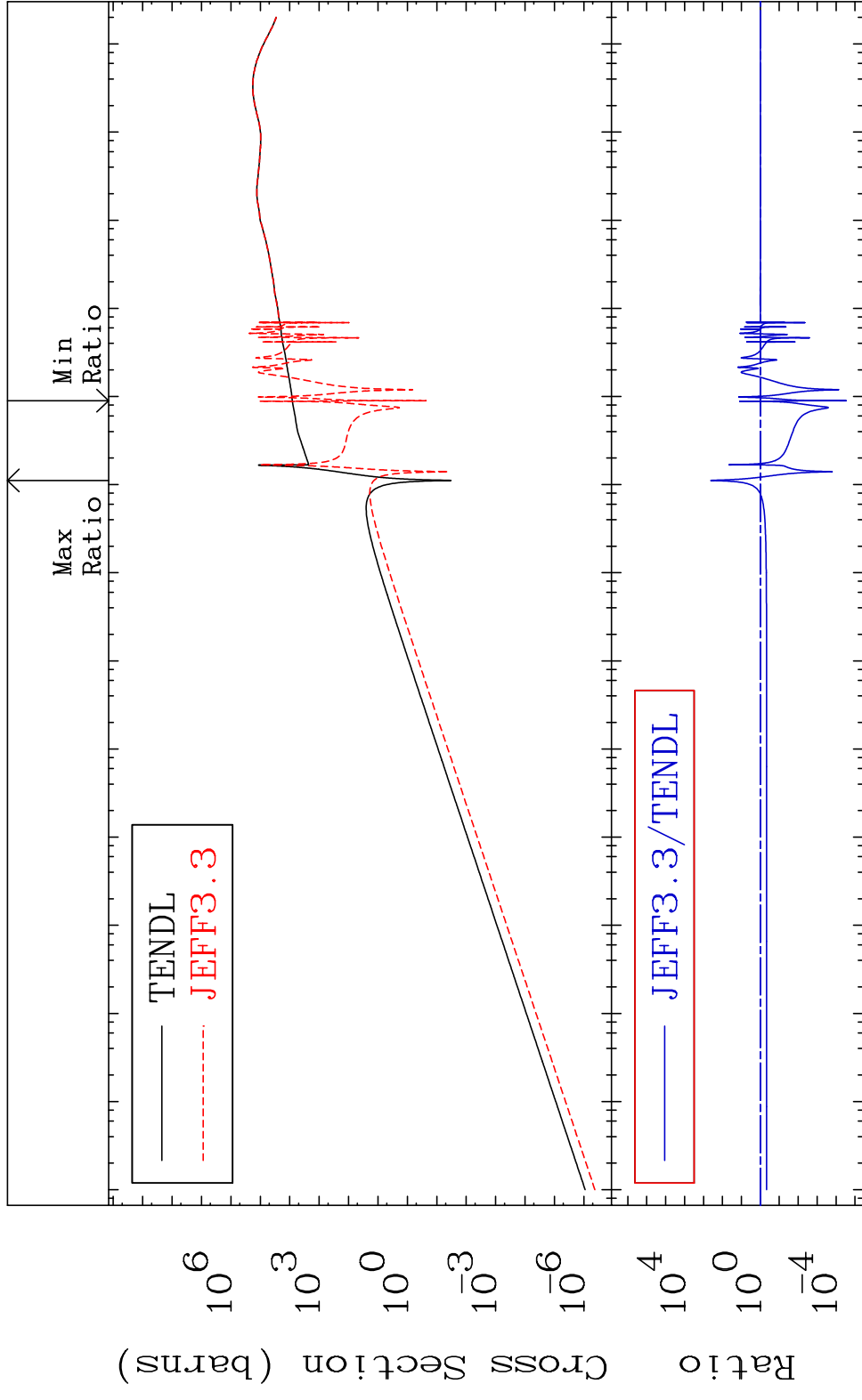
MAT 2219 Kerma total (eV-barns) 22-Ti-44  
 Cross Section -99.86 To 5082. %



51 Incident Energy (eV) 22-Ti-44

MAT 2219

Kerma elastic Cross Section -100.0 To 9999. %  
22-Ti-44

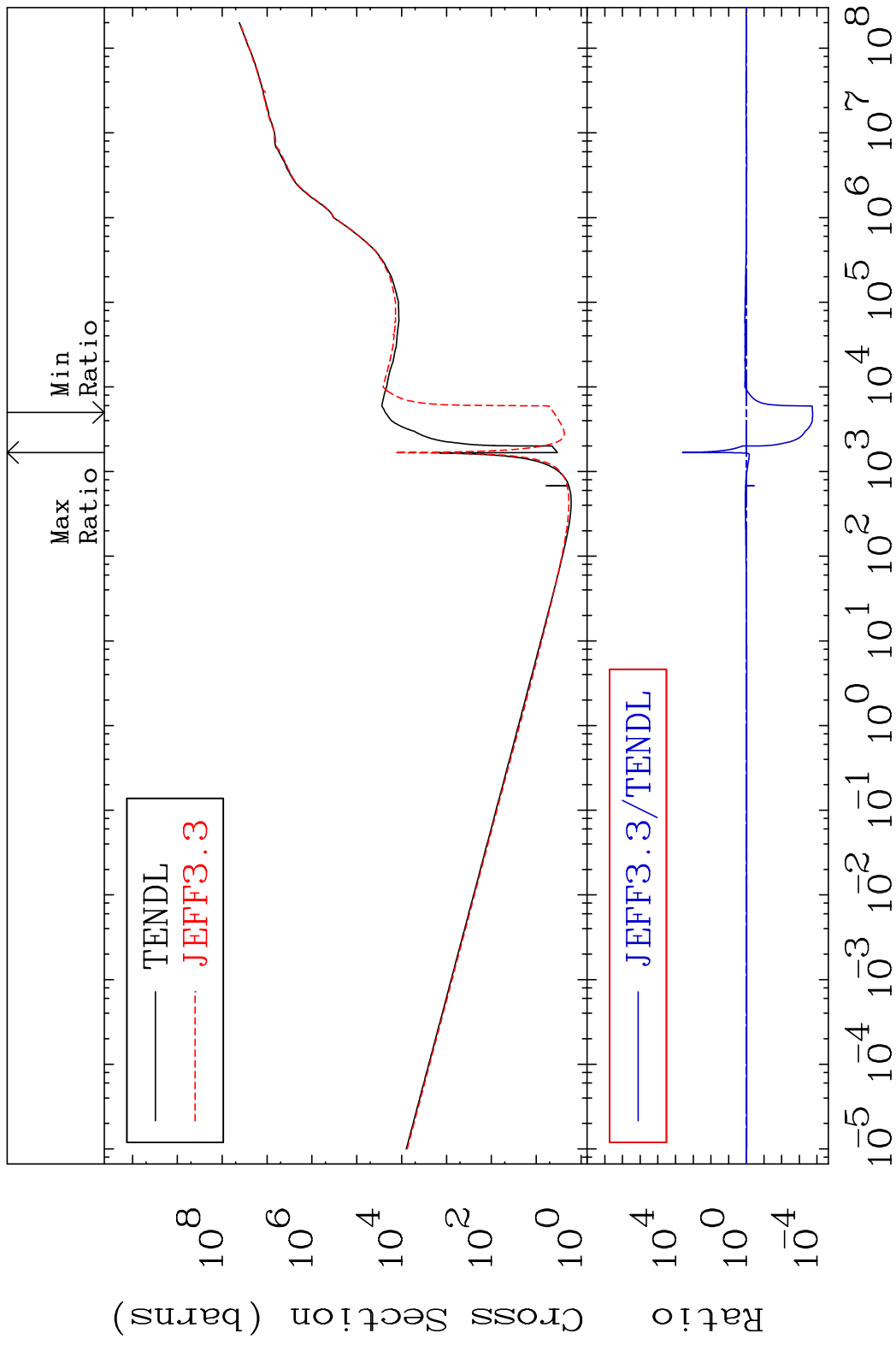


52

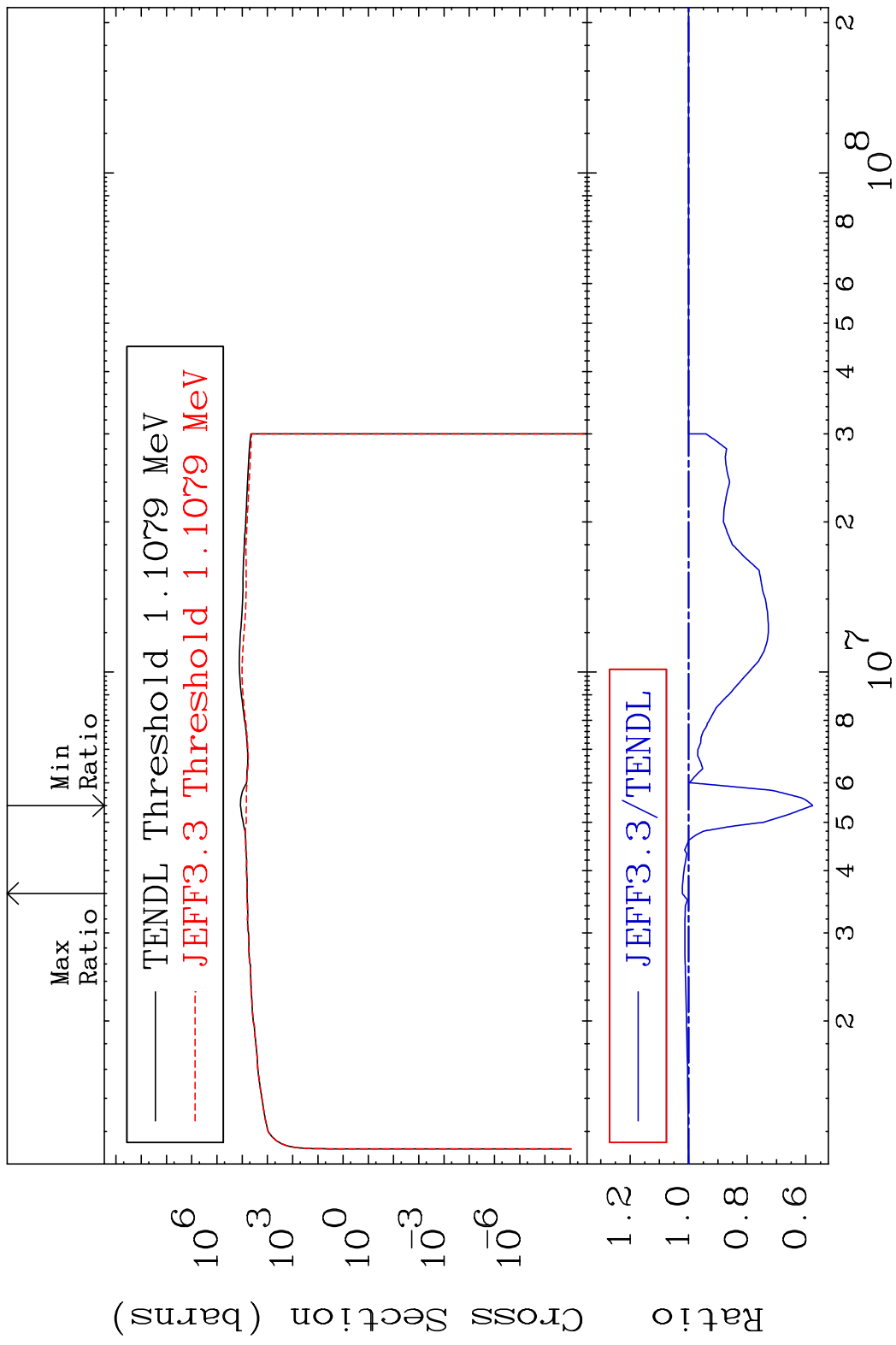
Incident Energy (eV)

22-Ti-44

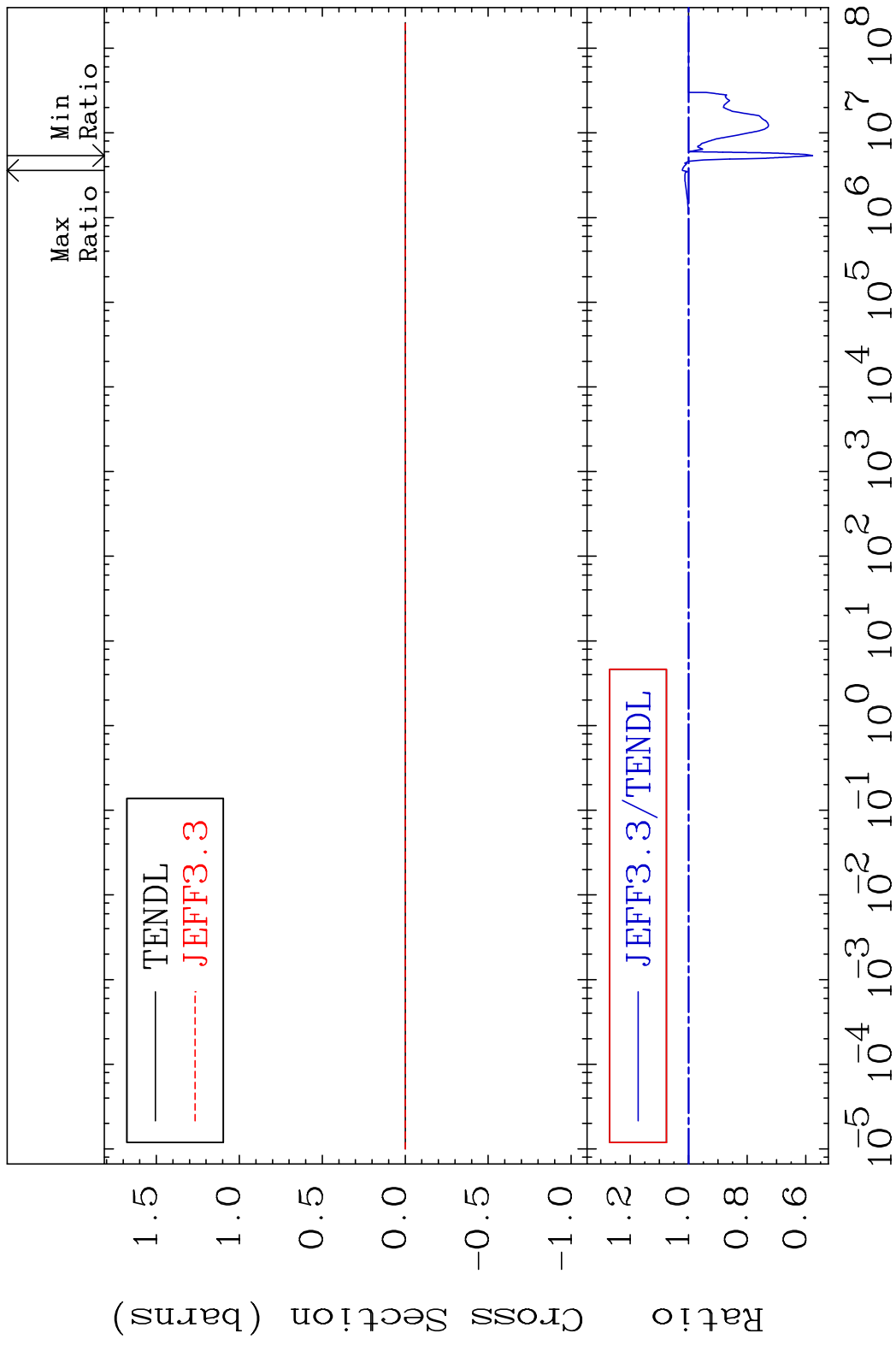
MAT 2219 Kerma non-elastic (all but mt2) 22-Ti-44  
 Cross Section -99.98 To 9999. %



MAT 2219 Kerma inelastic (mt51-91) 22-Ti-44  
 Cross Section -42.29 To 2.152 %

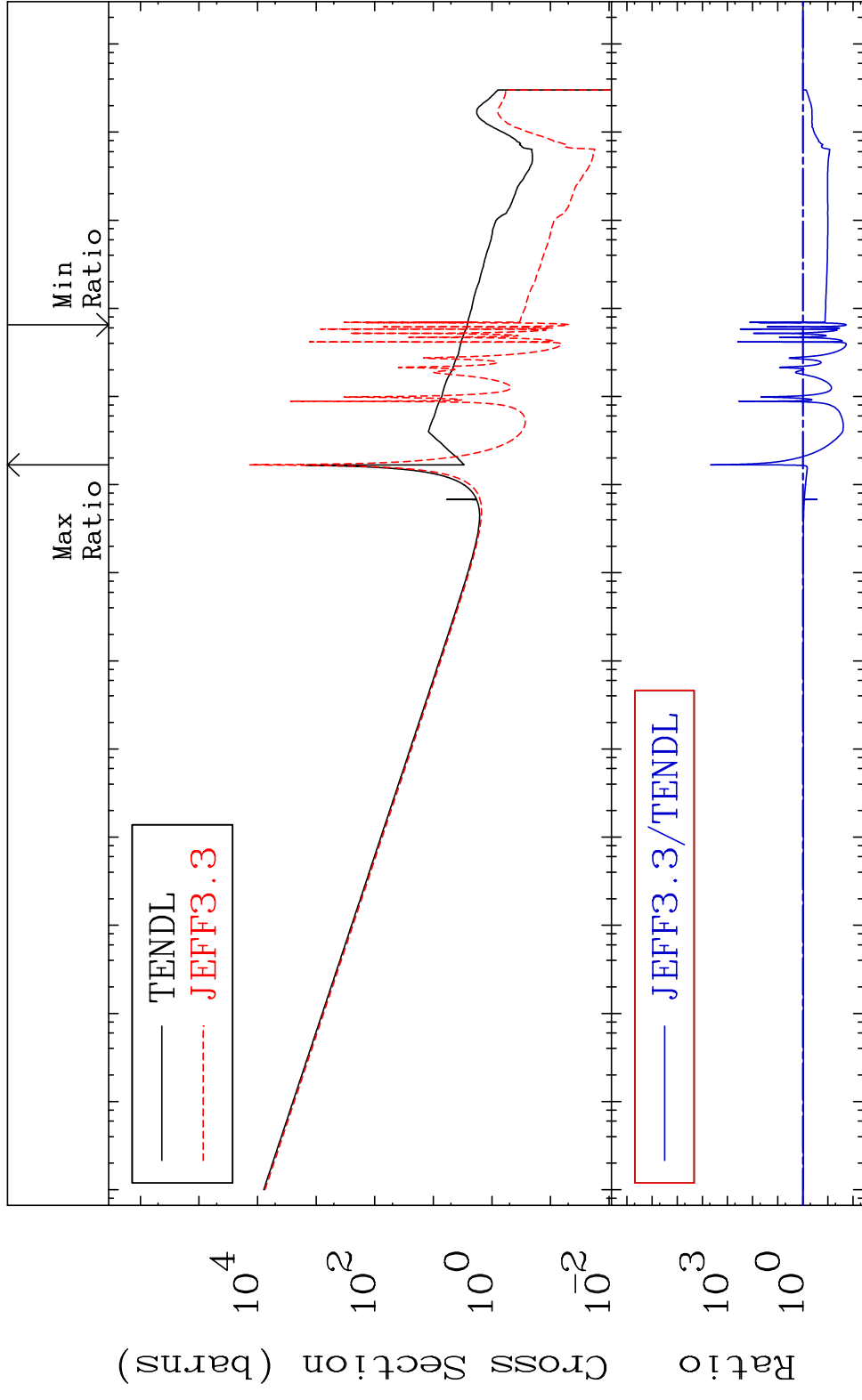


MAT 2219 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-44  
 Cross Section -42.29 To 2.152 %



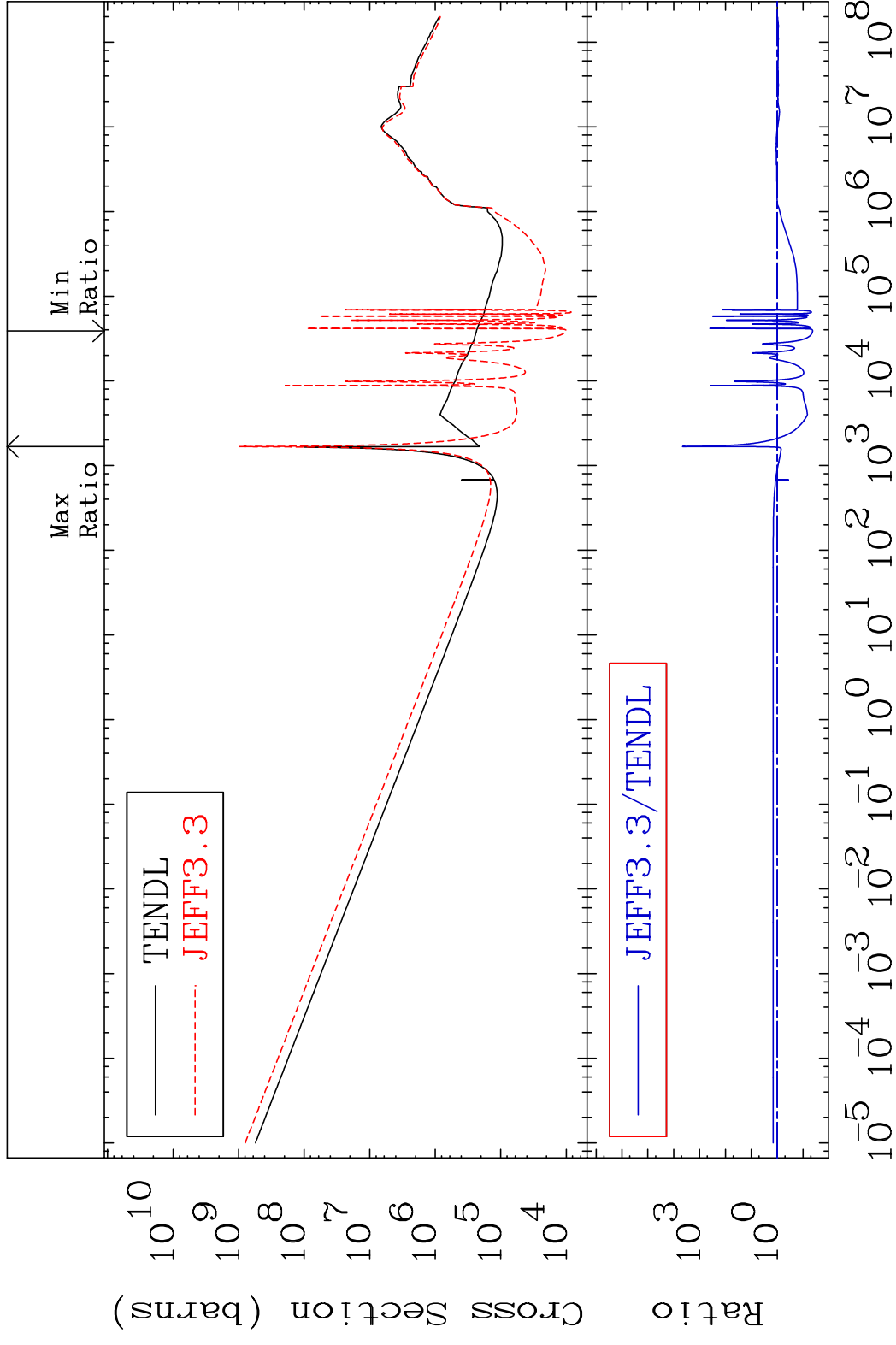


MAT 2219 Kerma capture (mt102) 22-Ti-44  
 Cross Section -98.15 To 9999. %

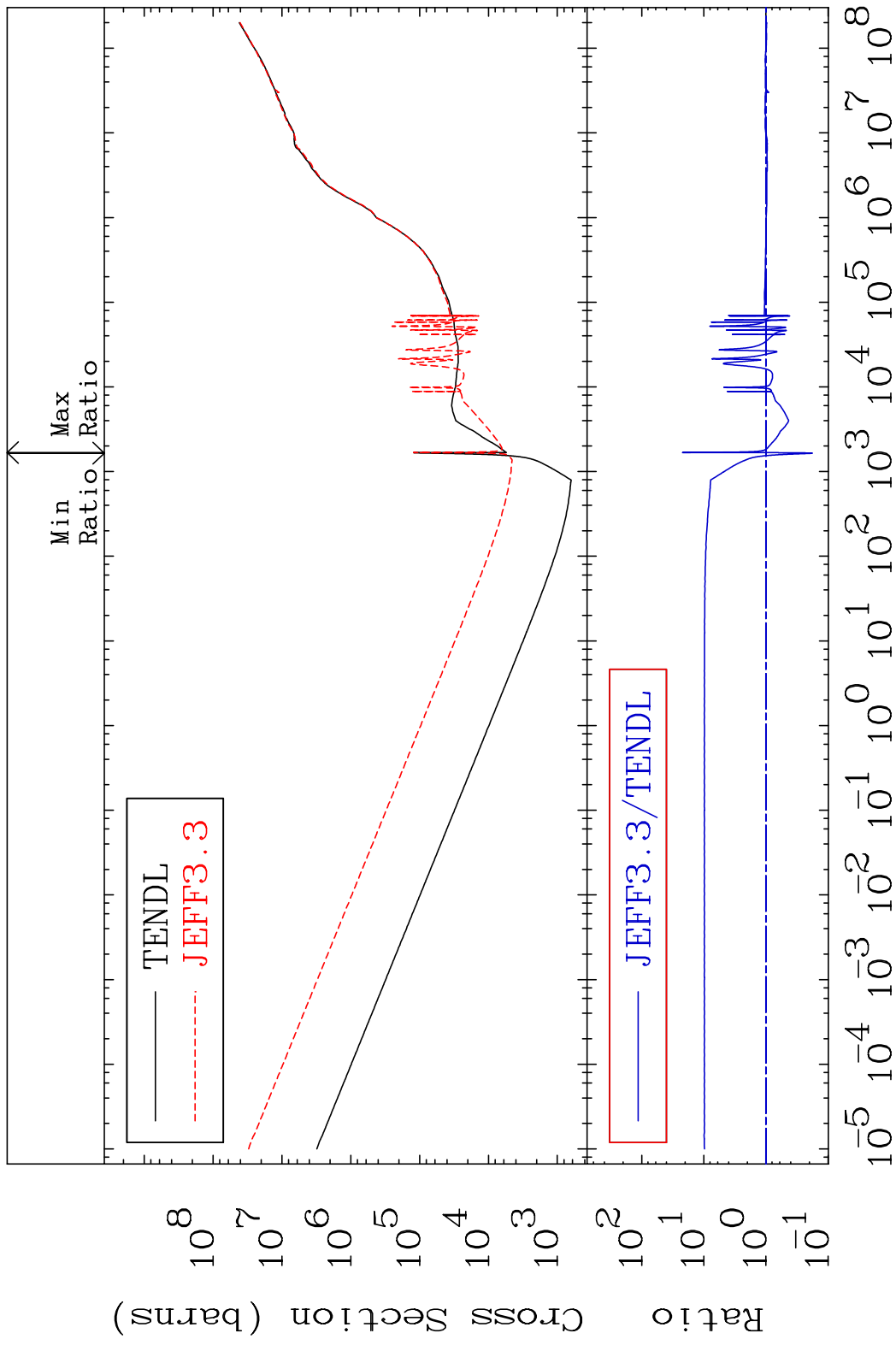


56 Incident Energy (eV) 22-Ti-44

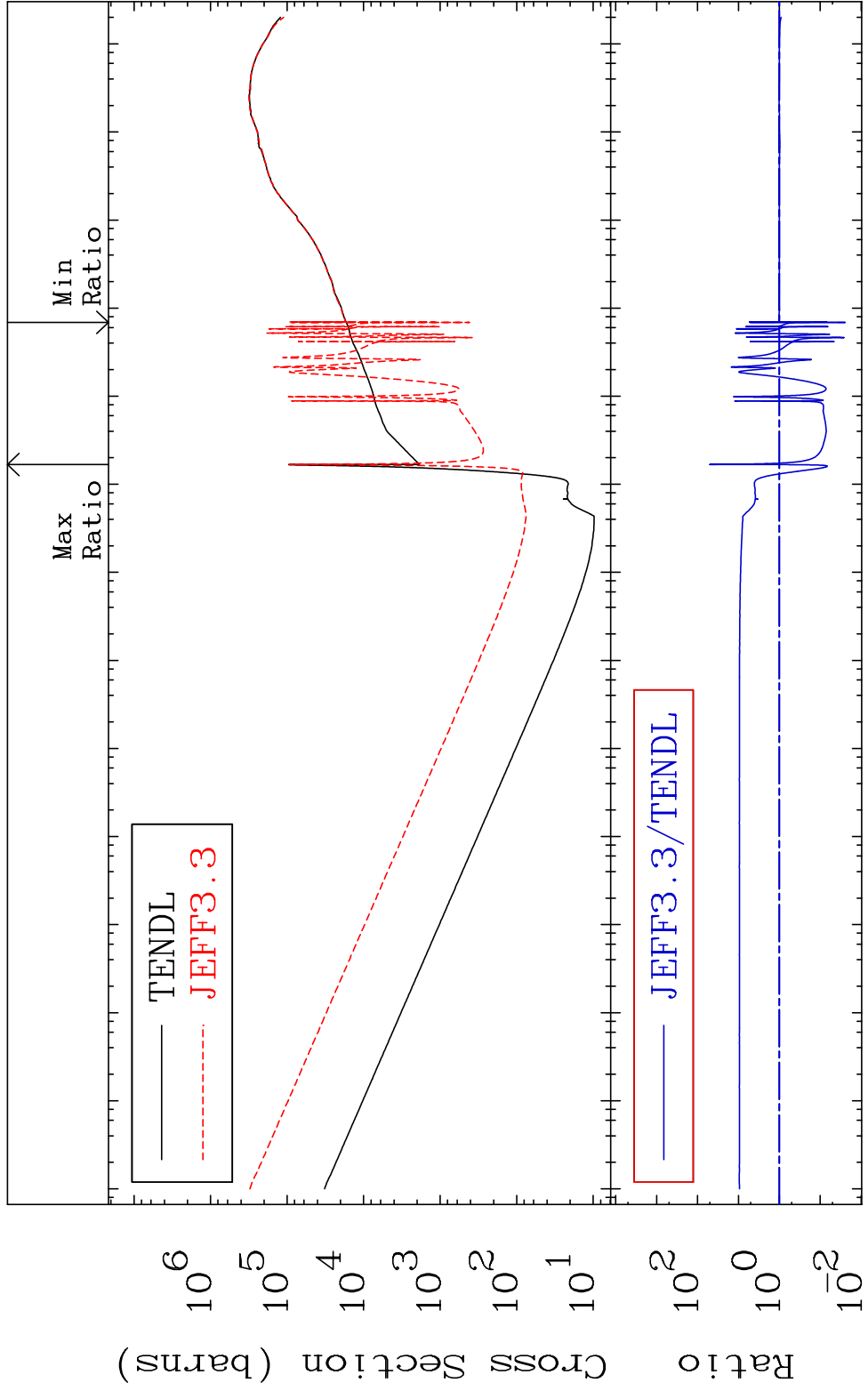
MAT 2219 Total photon (eV-barns) 22-Ti-44  
 Cross Section -95.72 To 9999. %



MAT 2219 Total kinematic kerma (high limit) 22-Ti-44  
 Cross Section -82.24 To 2124. %



MAT 2219      Dpa total (eV-barns)      22-Ti-44  
 Cross Section      -97.55 To 4912. %

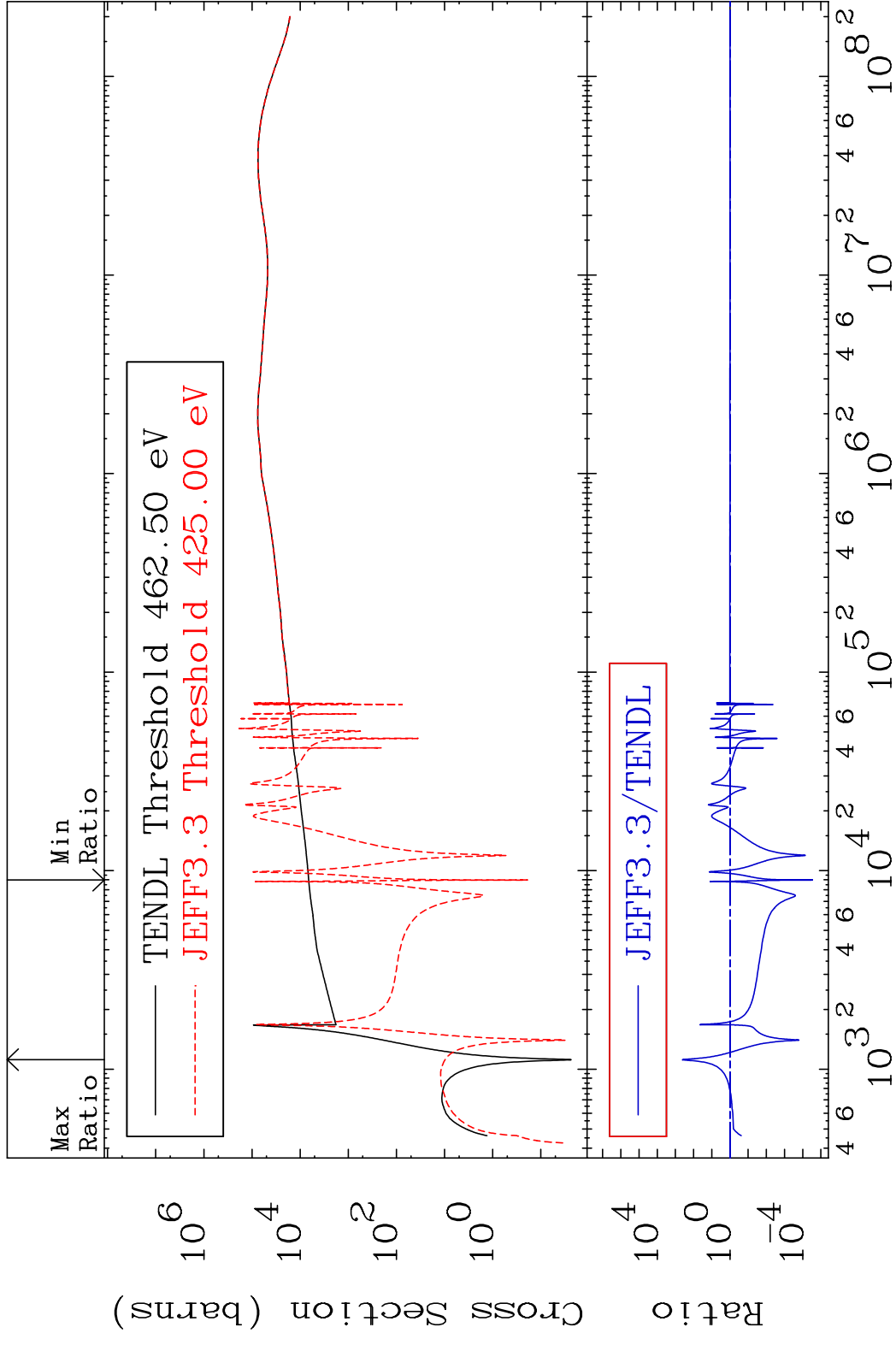


MAT 2219

Dpa elastic (mt2)

22-Ti-44

Cross Section -100.0 To 9999. %

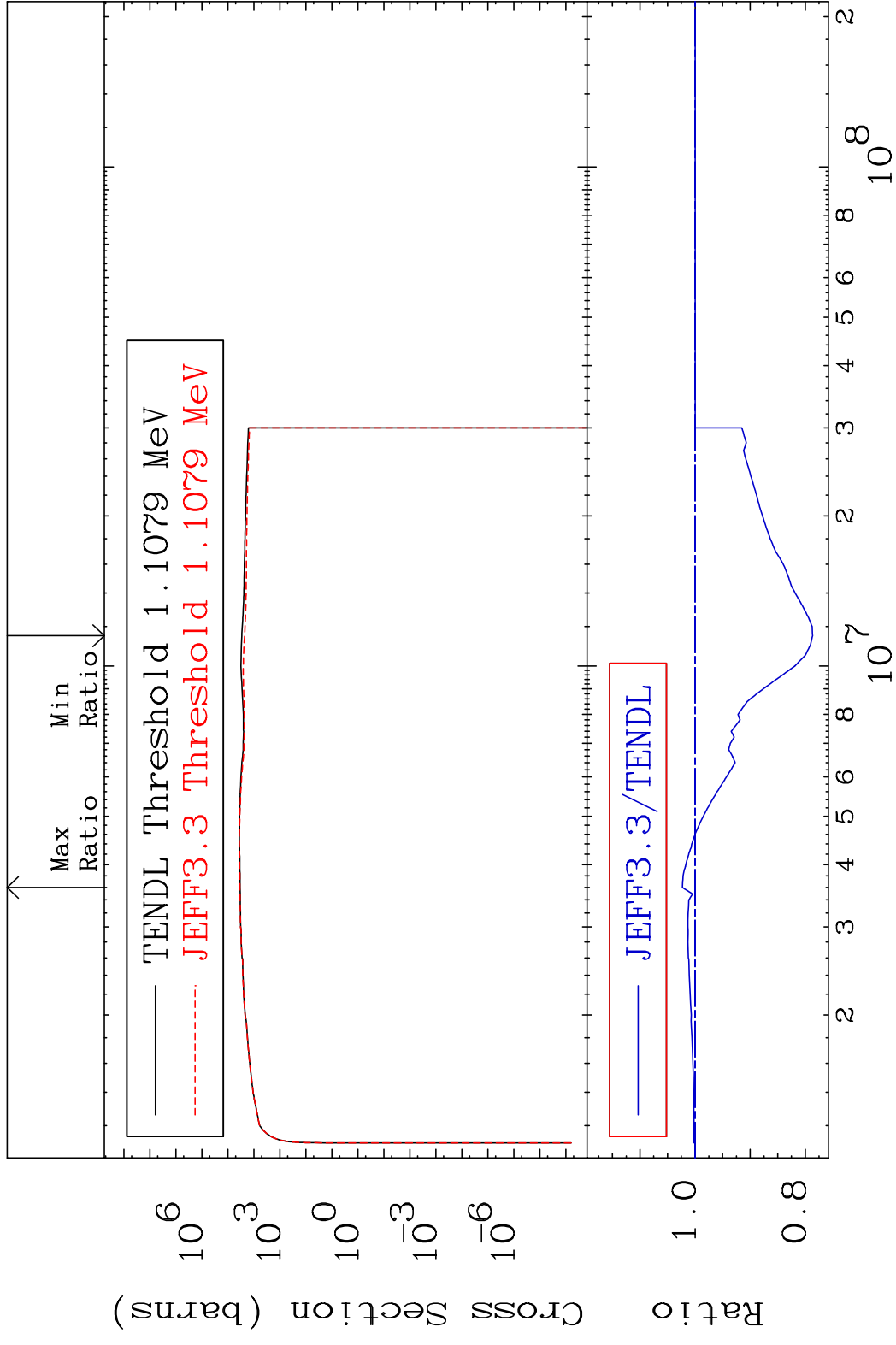


60

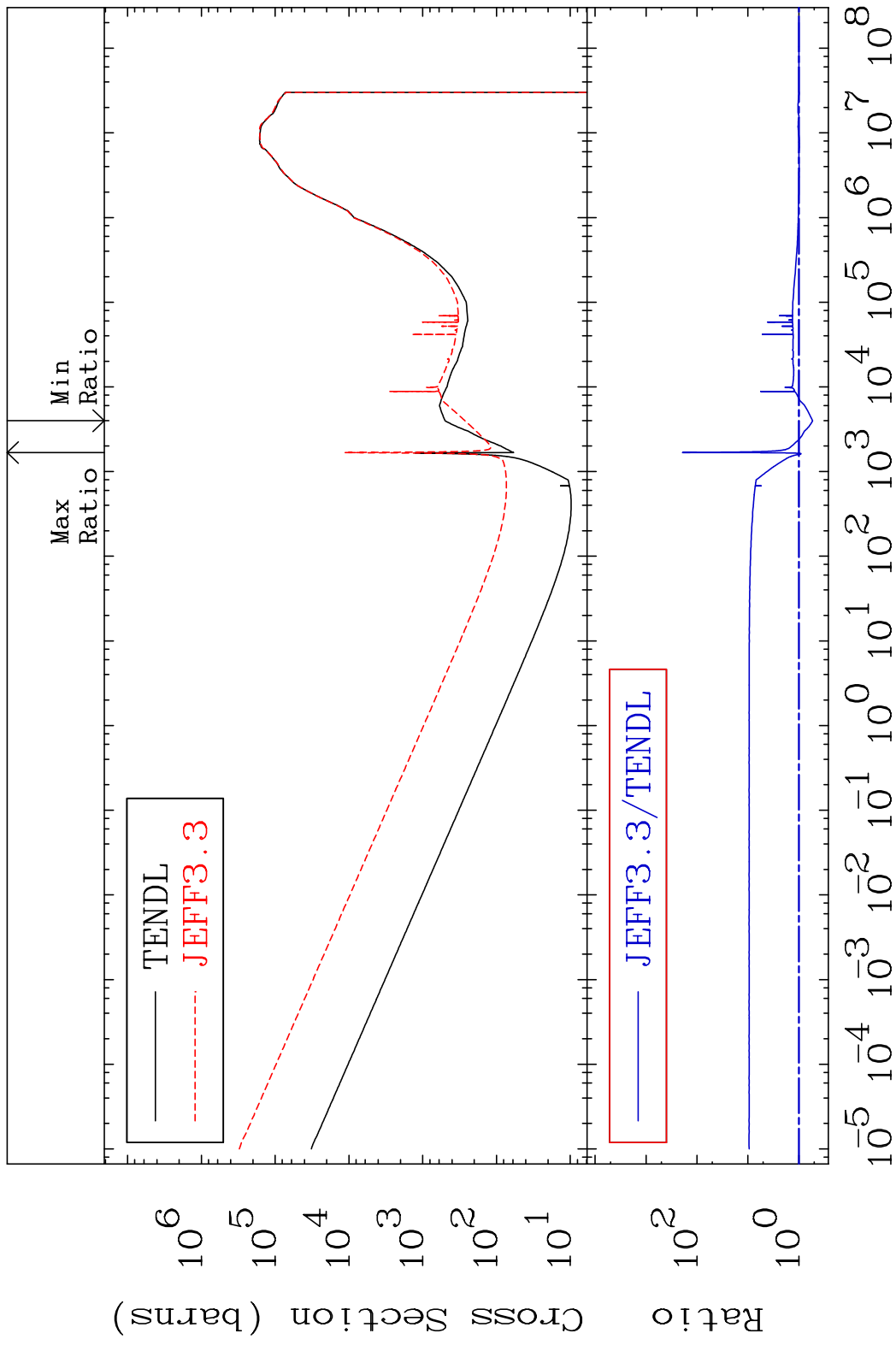
Incident Energy (eV)

22-Ti-44

MAT 2219 Dpa inelastic (mt51-91) 22-Ti-44  
 Cross Section -21.33 To 2.306 %



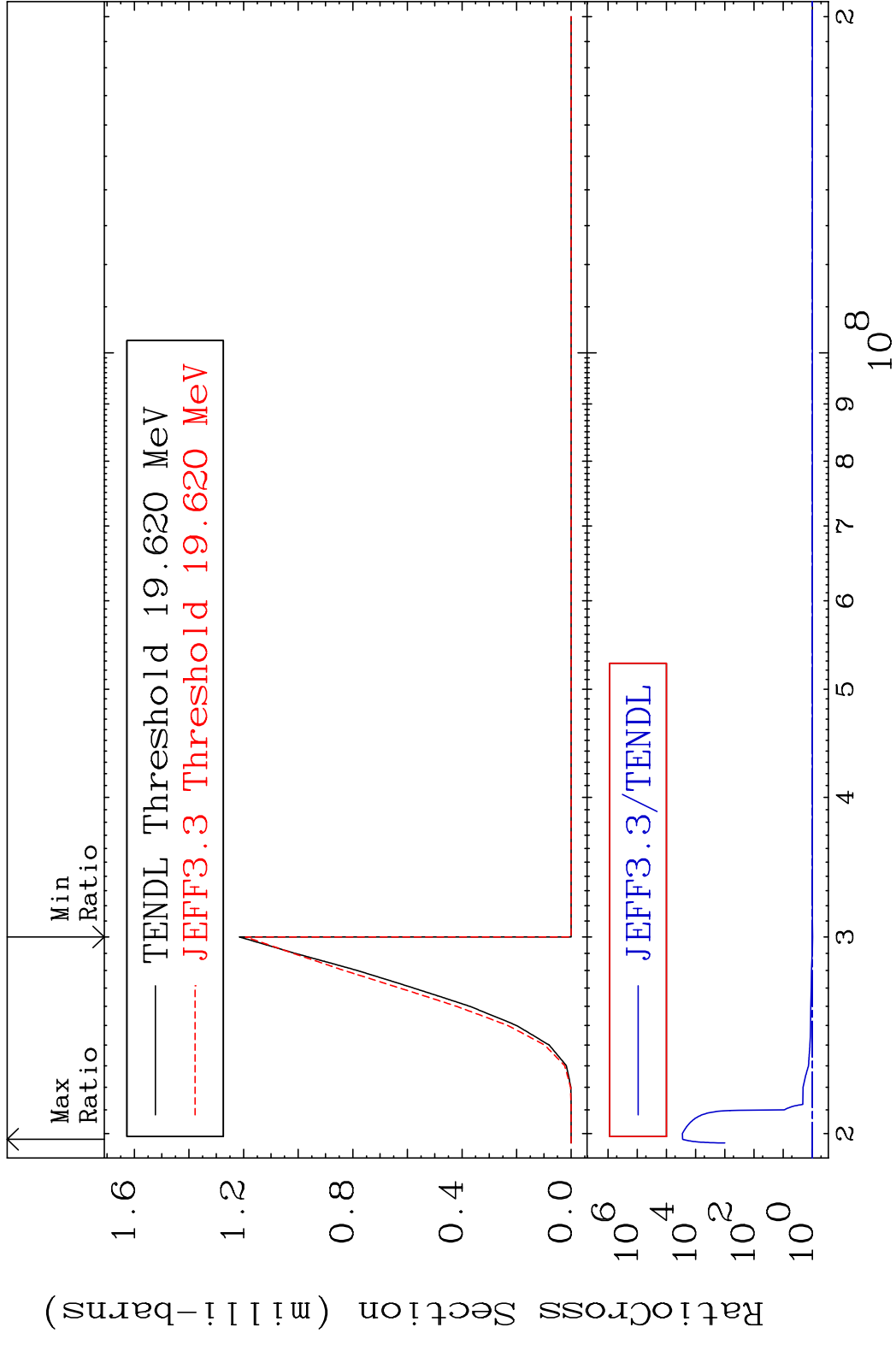
MAT 2219 Dpa disappearance (mt102 -120) 22-Ti-44  
 Cross Section -46.24 To 9999. %



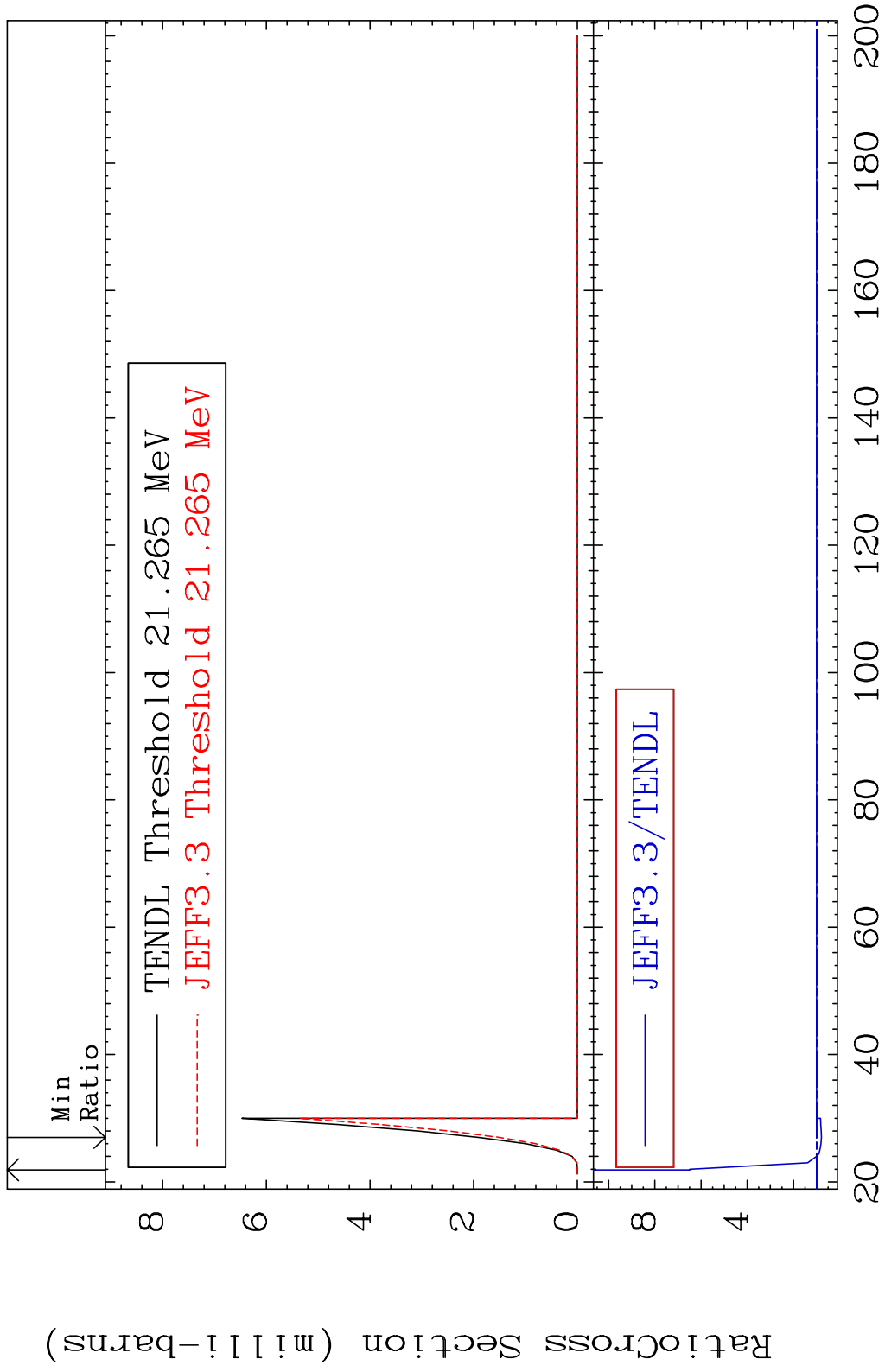
62 Incident Energy (eV) 22-Ti-44

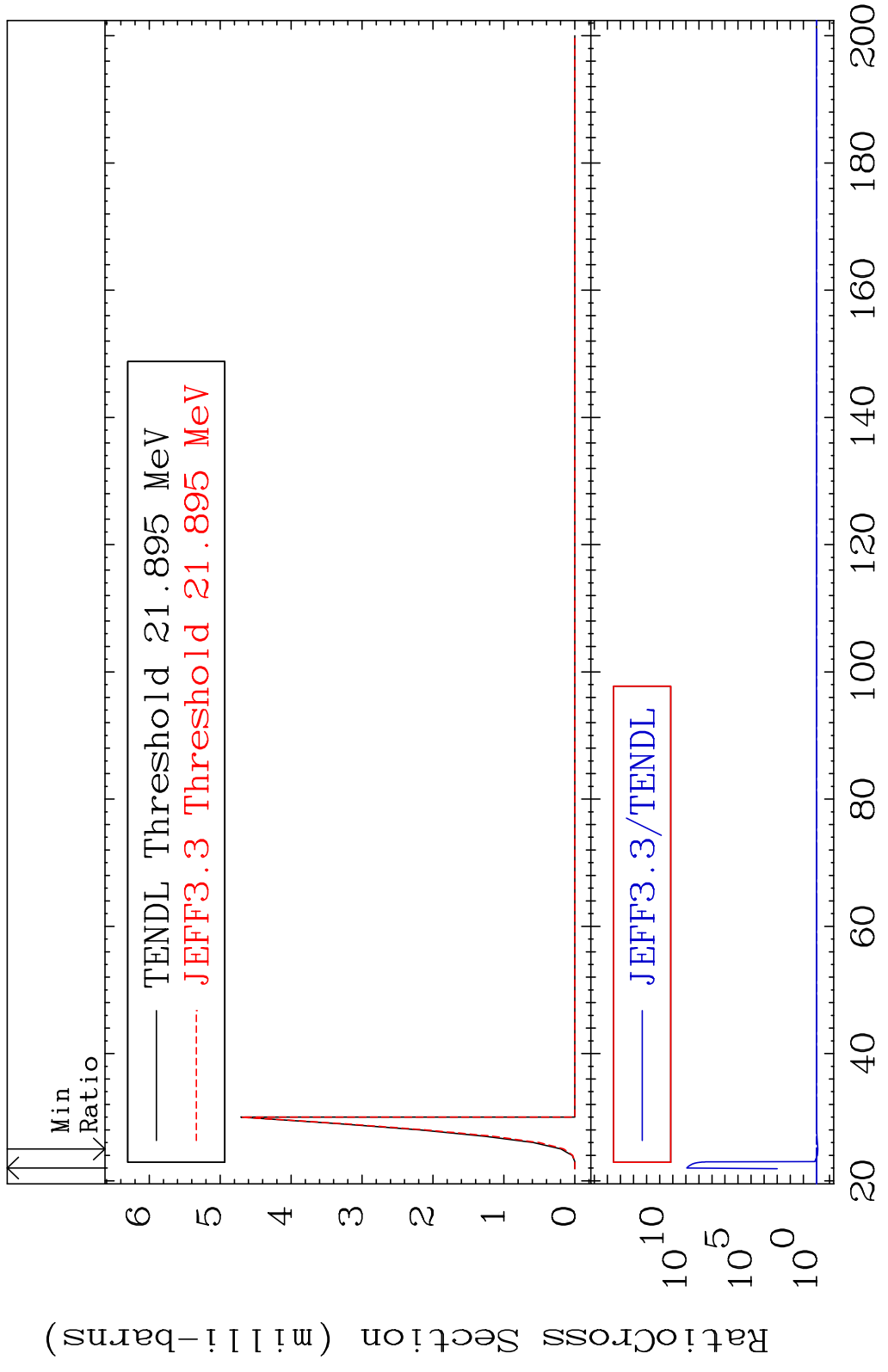




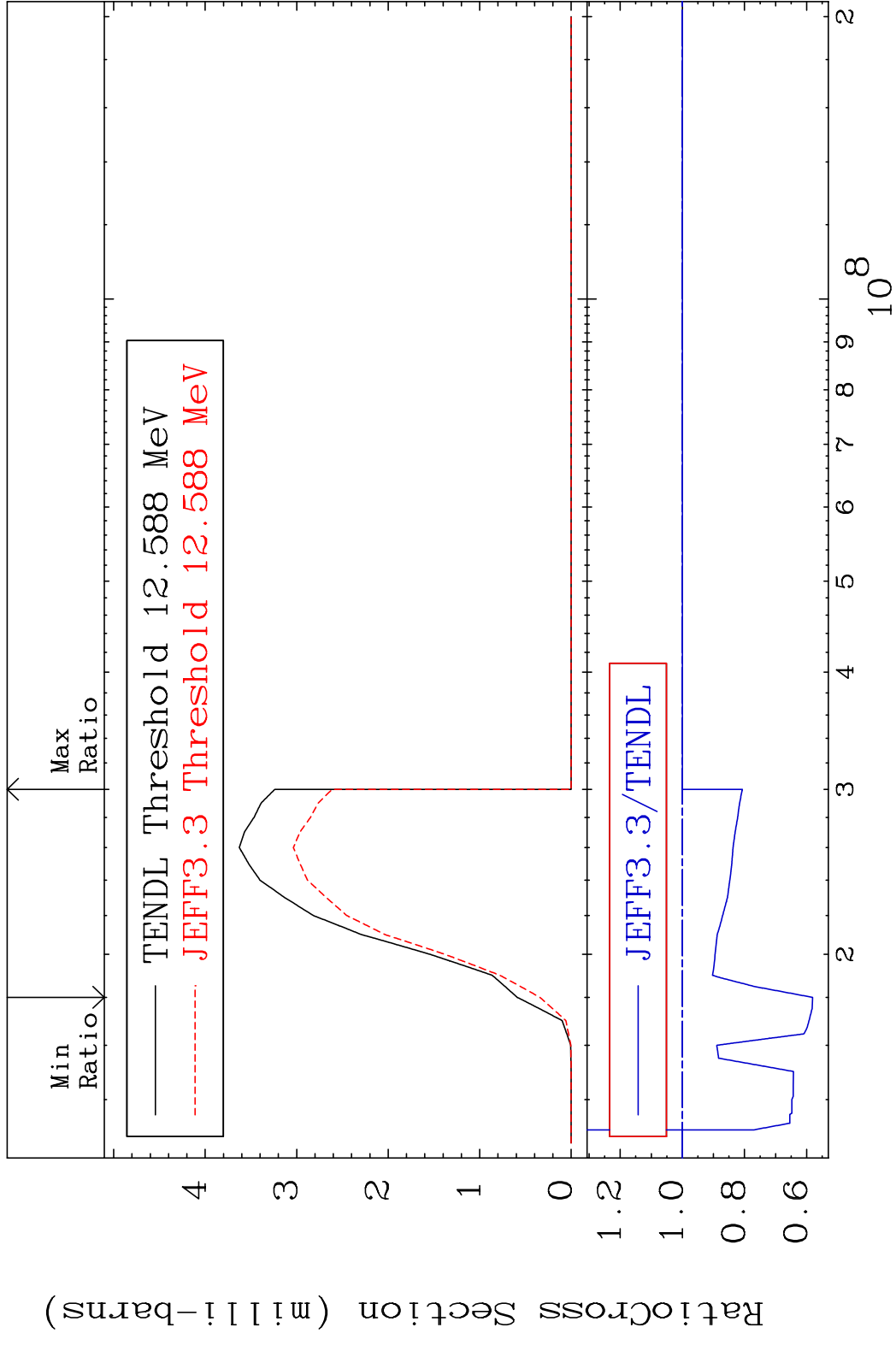


MAT 2219 (n,2n) p:21-Sc-42g 22-Ti-44  
 Radionuclide Production Cross Section 548.8 %





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



MAT 2219 (n,t):21-Sc-42m2 22-Ti-44  
 Radionuclide Production Cross Section 1.846 %

