

Program Complot  
(Version 2021-1)

by

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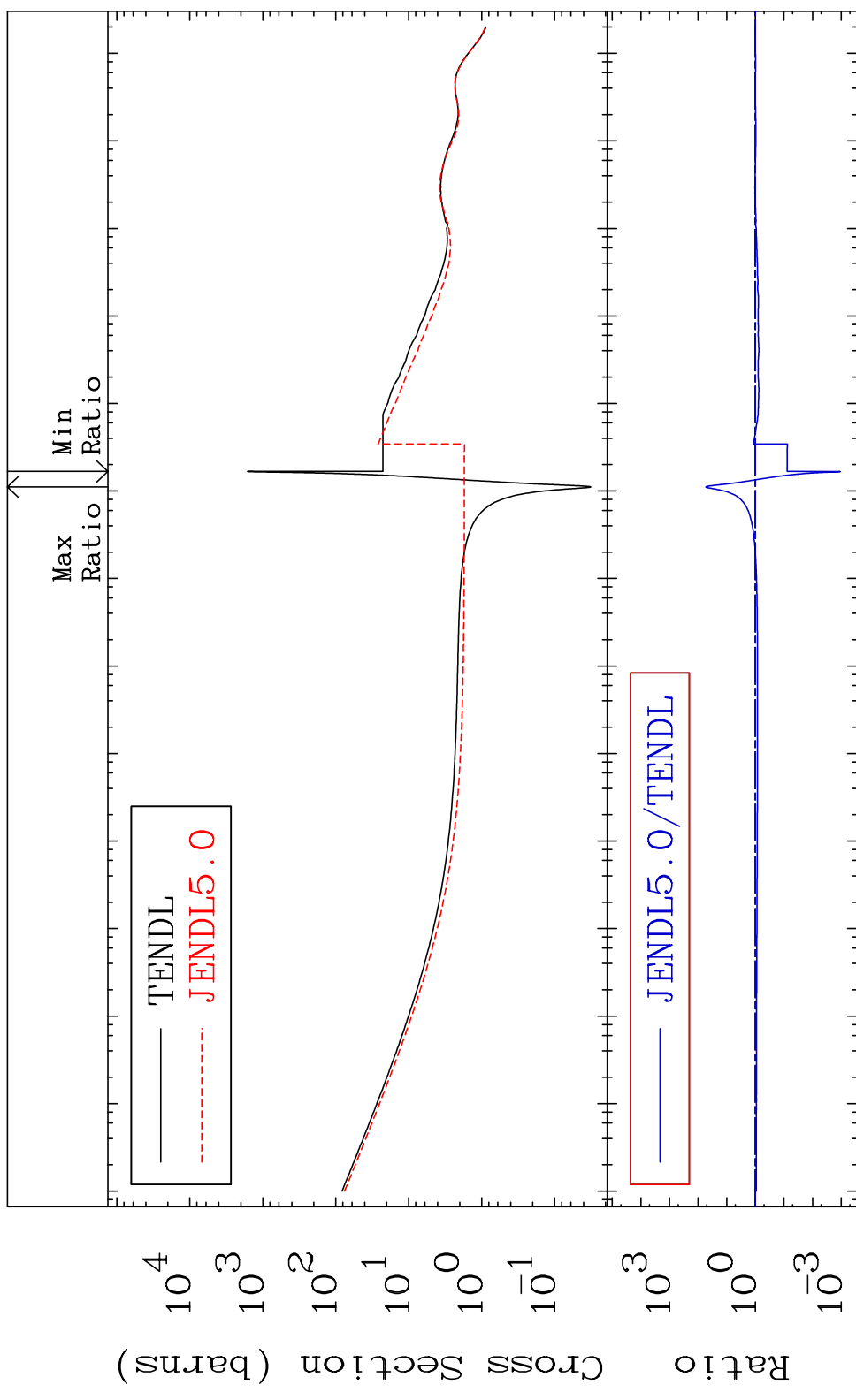
Press Mouse Button to Start

MAT 2219

Total

22-Ti-44

Cross Section -99.89 To 5304. %



1

Incident Energy (eV)

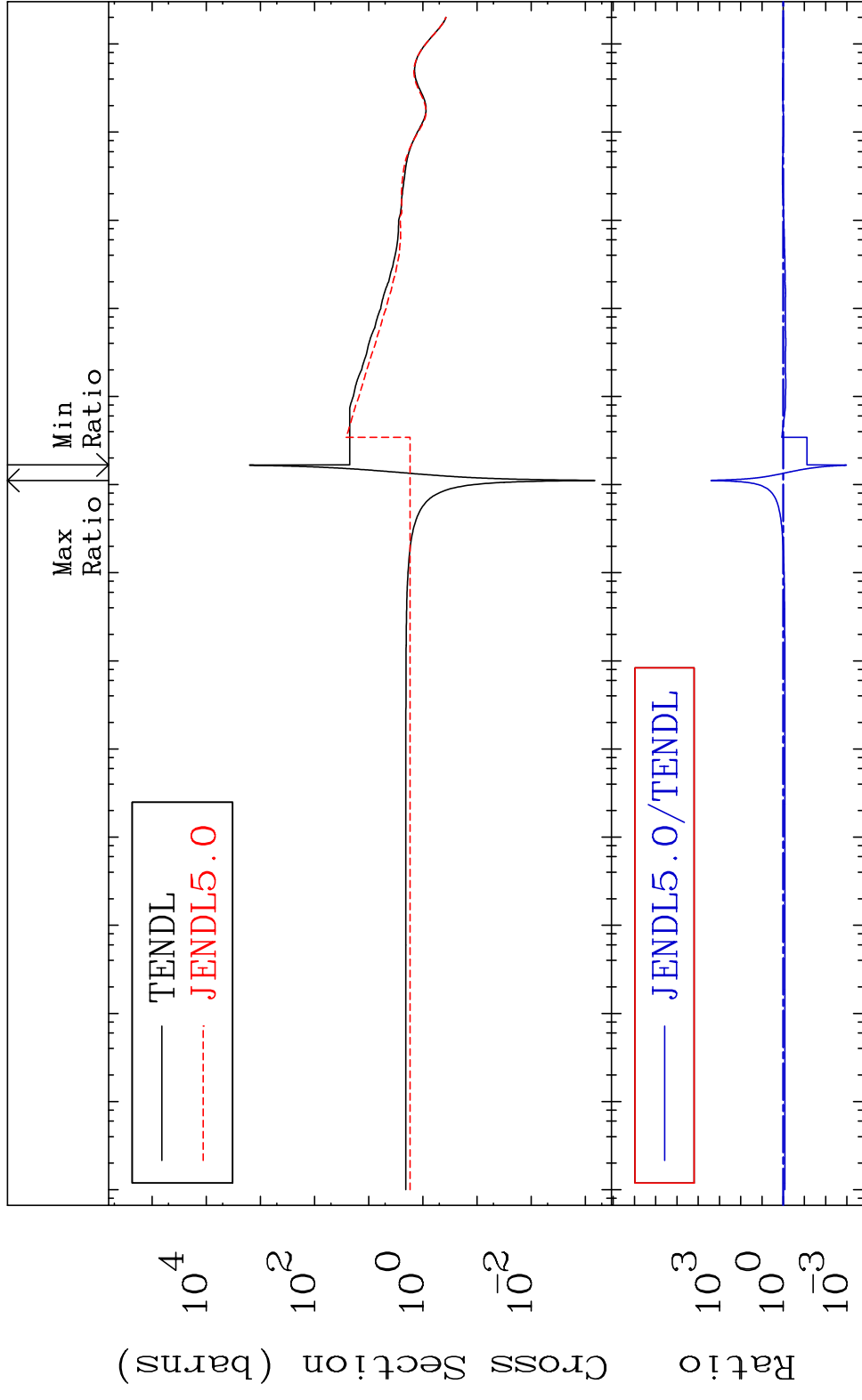
22-Ti-44

MAT 2219

Elastic

22-Ti-44

Cross Section -99.89 To 9999. %



2

Incident Energy (eV)

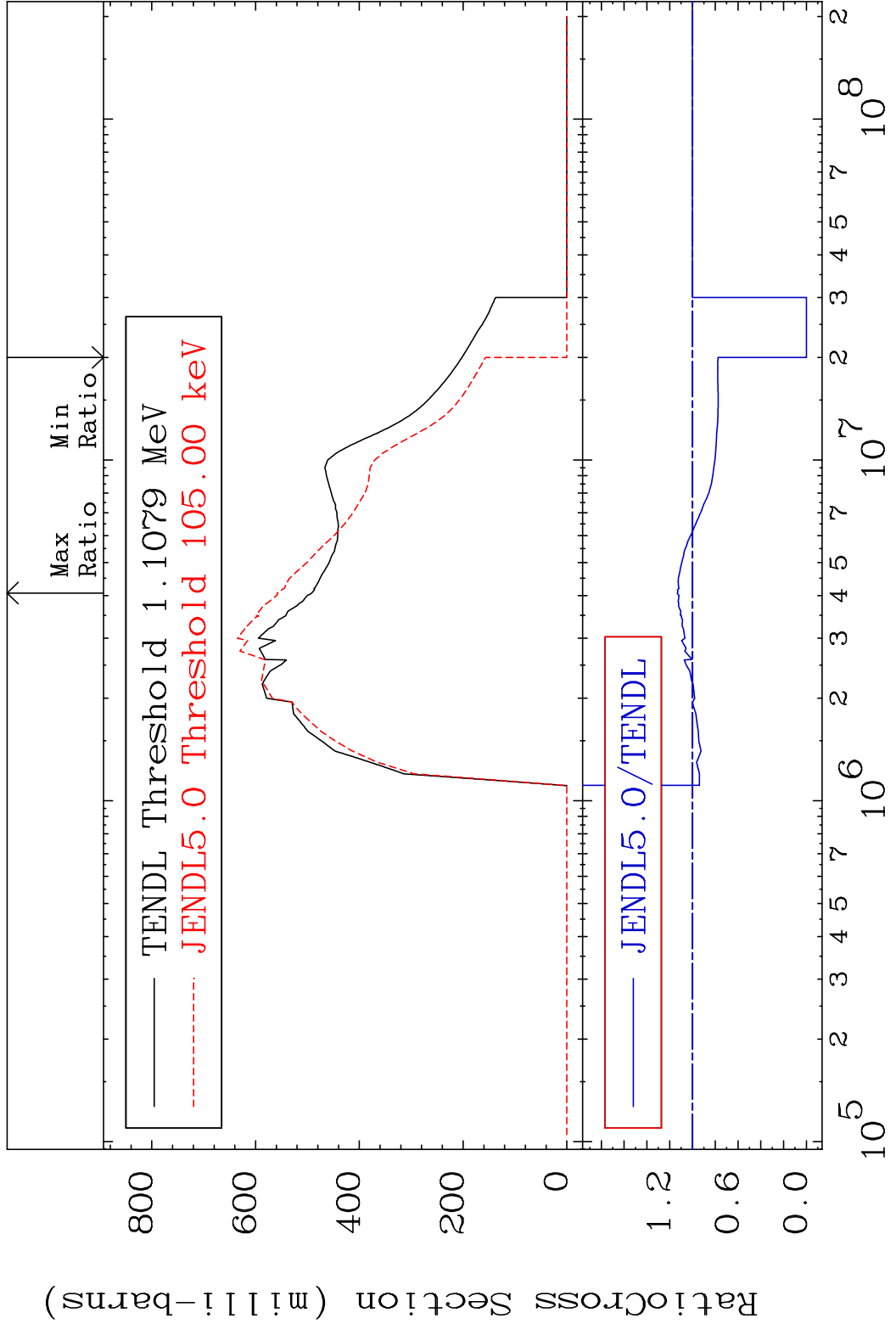
22-Ti-44

MAT 2219

Inelastic

<sup>22</sup>Ti-44

Cross Section -100.0 To 13.43 %



Incident Energy (eV)

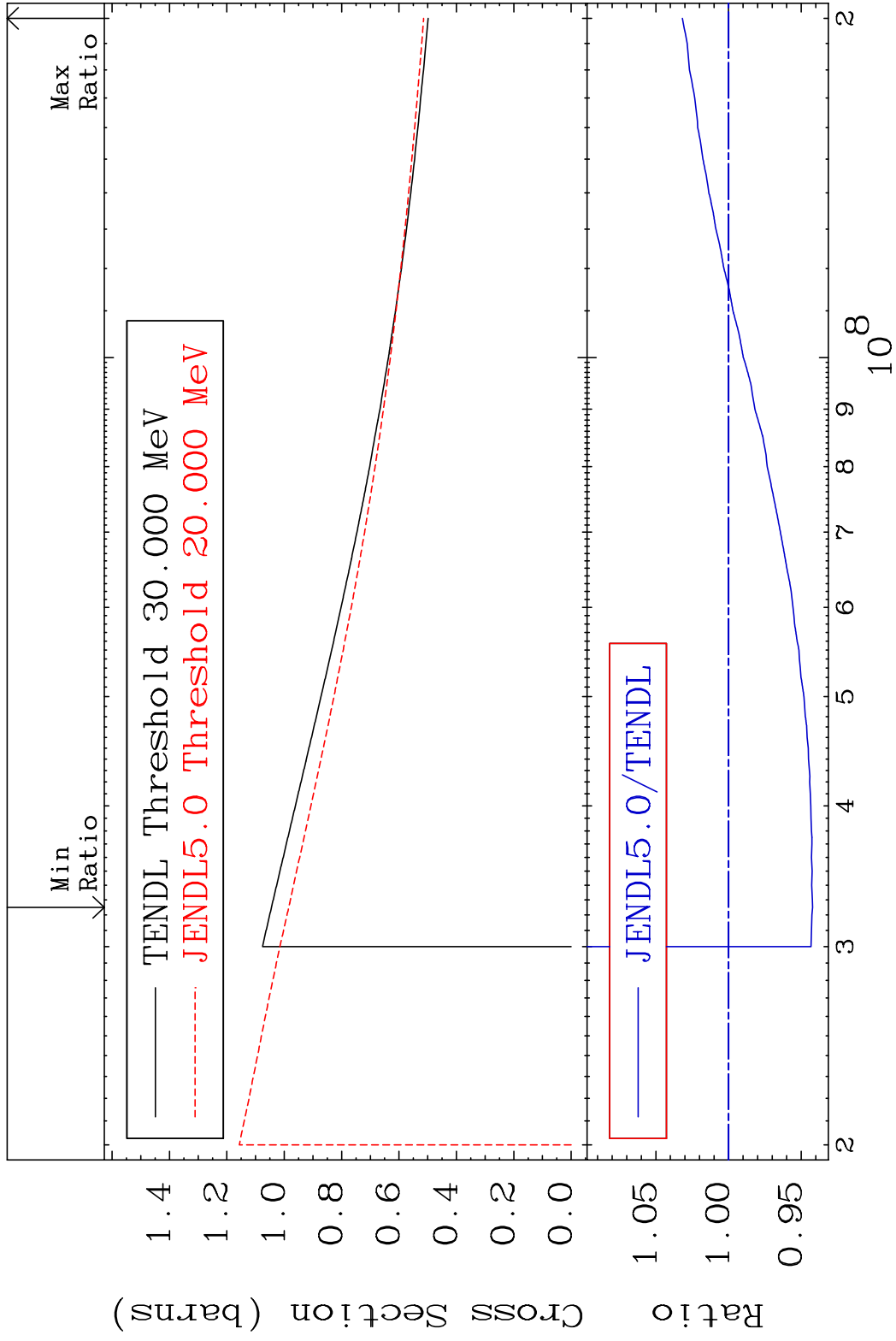
<sup>22</sup>Ti-44

MAT 2219

(n, remainder)

22-Ti-44

Cross Section -5.777 To 3.176 %

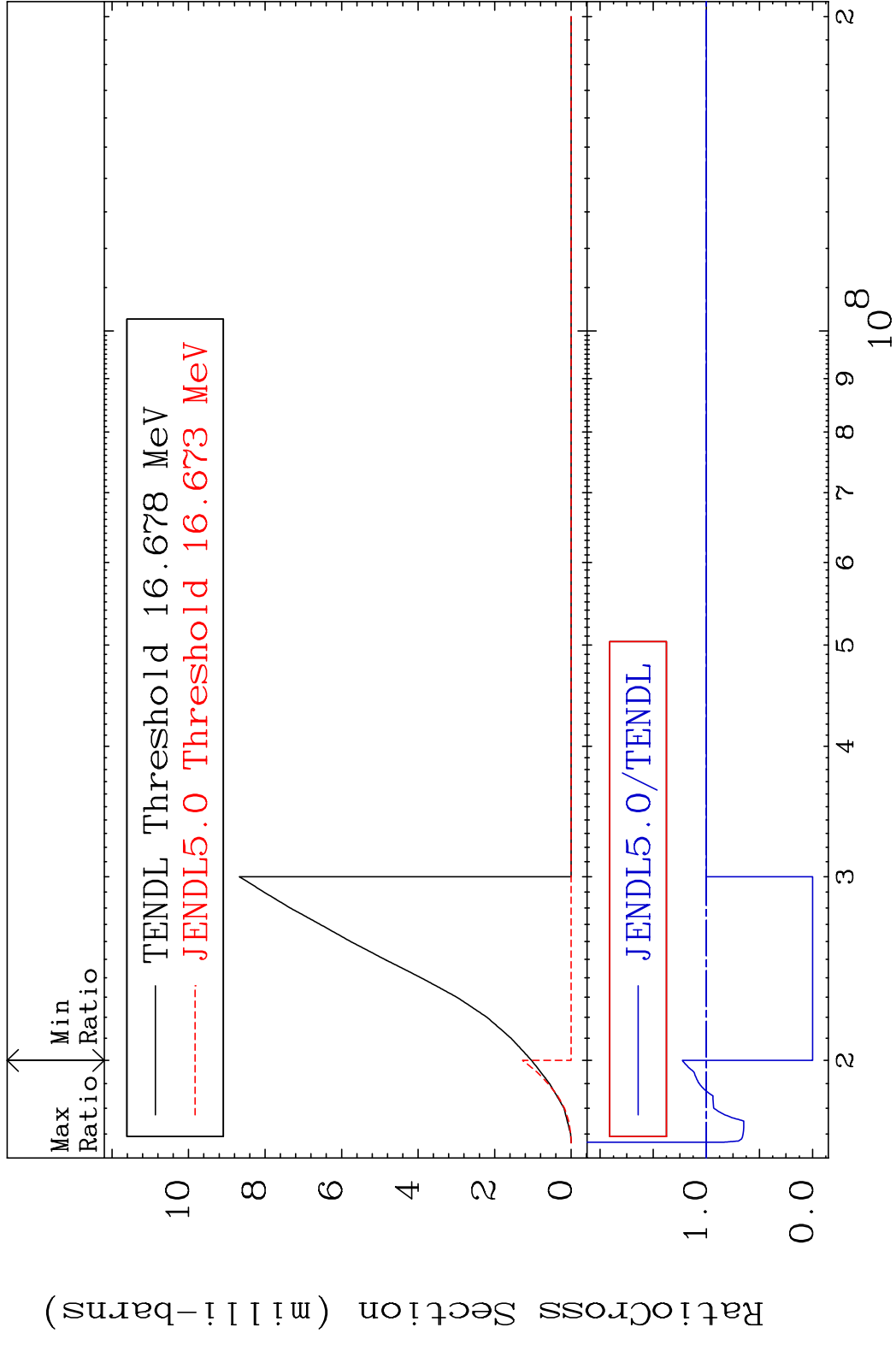


4

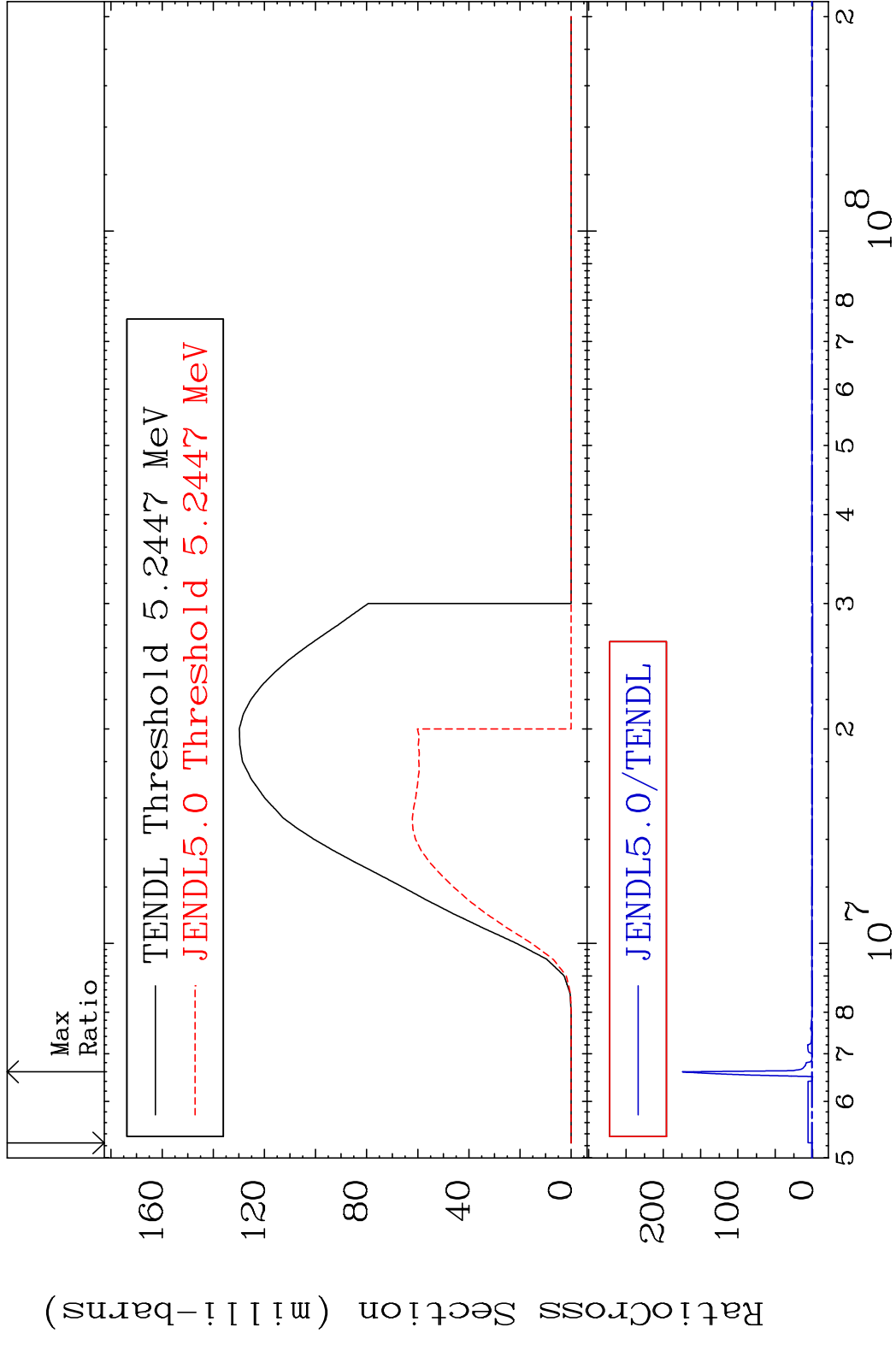
Incident Energy (eV)

22-Ti-44

MAT 2219 (n,2n) 22-Ti-44  
 Cross Section -100.0 To 22.61 %

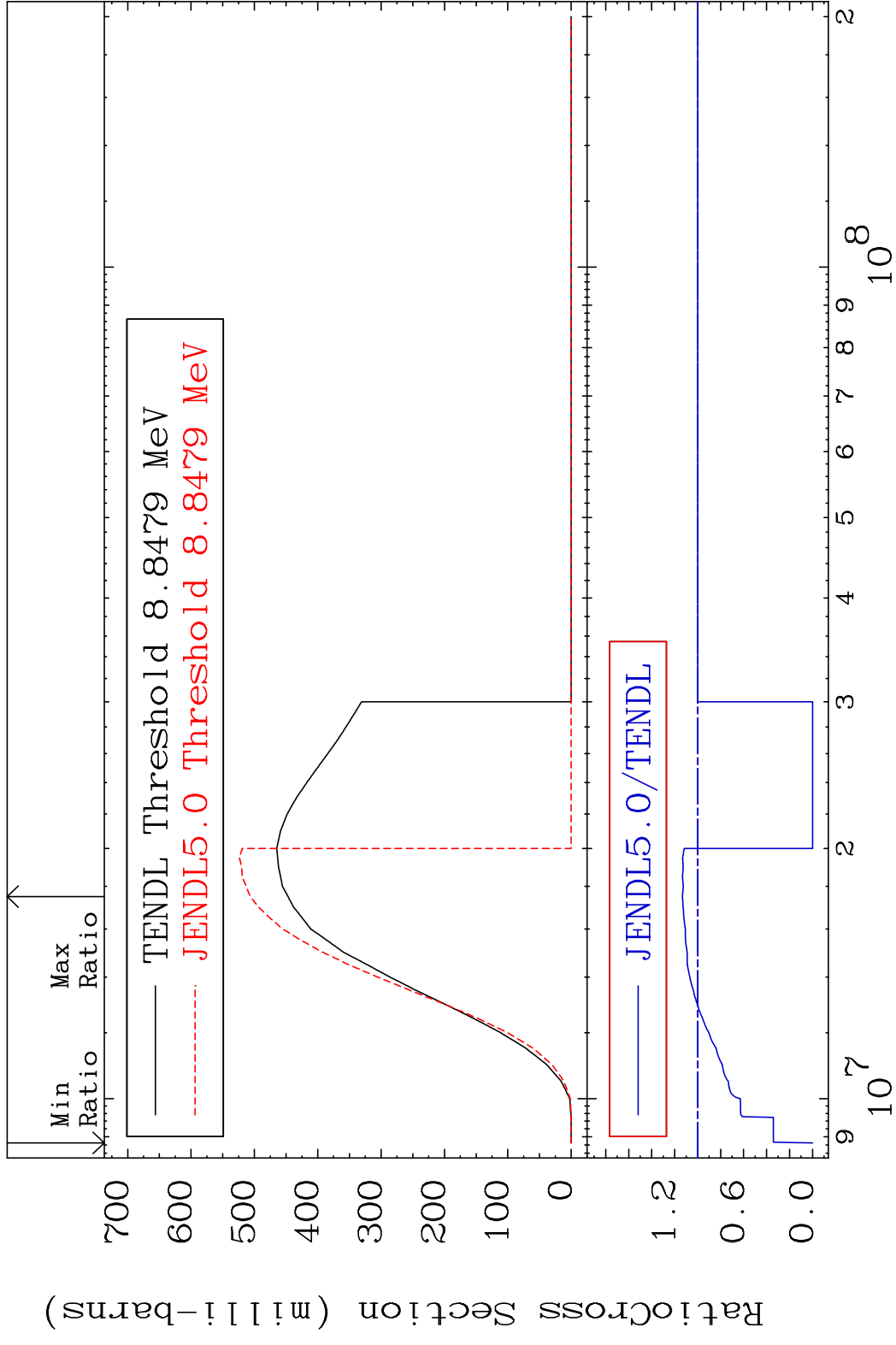


MAT 2219 (n, n')  $\alpha$  22-Ti-44  
 Cross Section -100.0 To 9999. %



6 6 Incident Energy (eV) 22-Ti-44

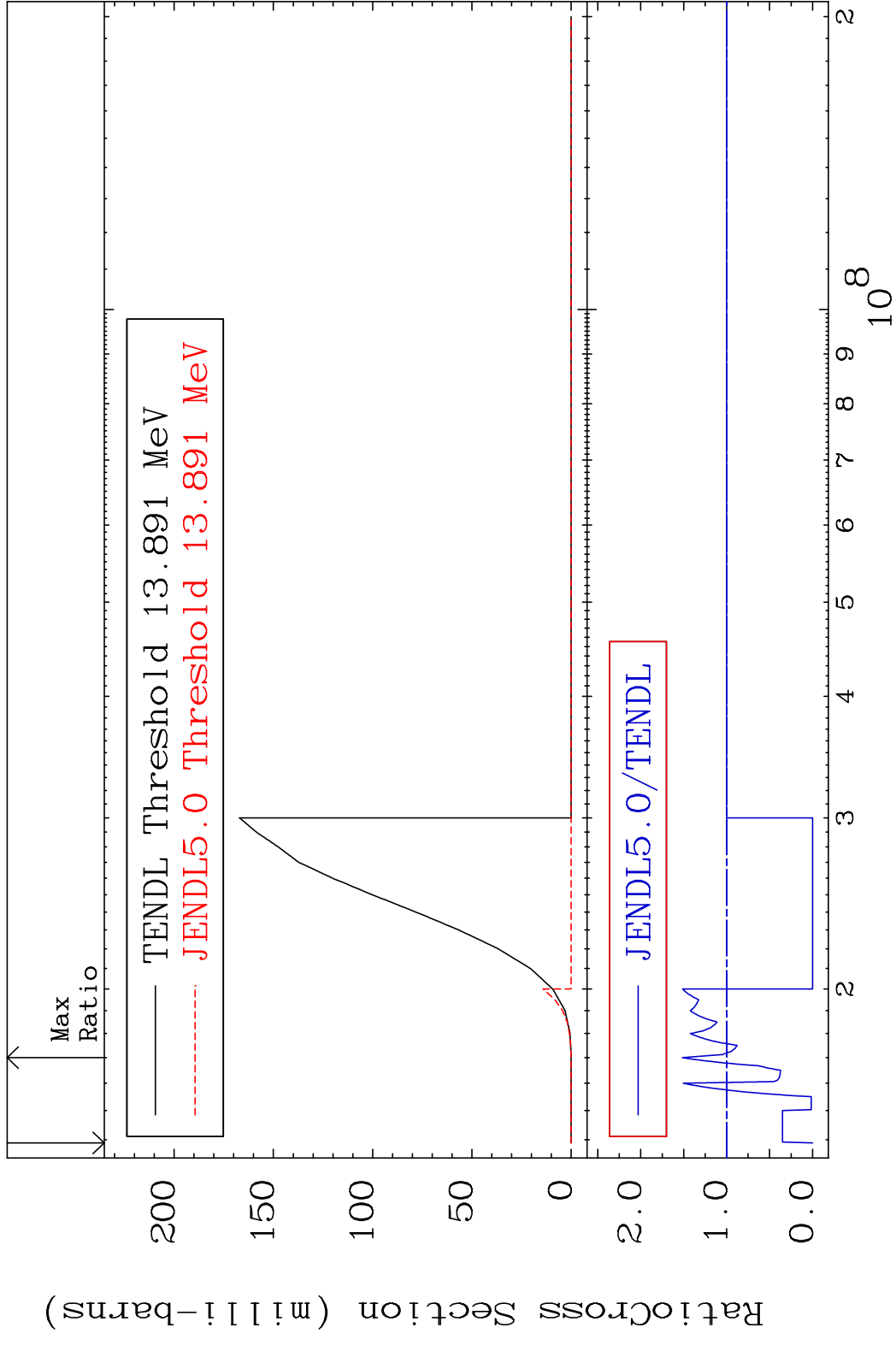
MAT 2219 (n, n') p 22-Ti-44  
 Cross Section -100.0 To 13.31 %



7 22-Ti-44

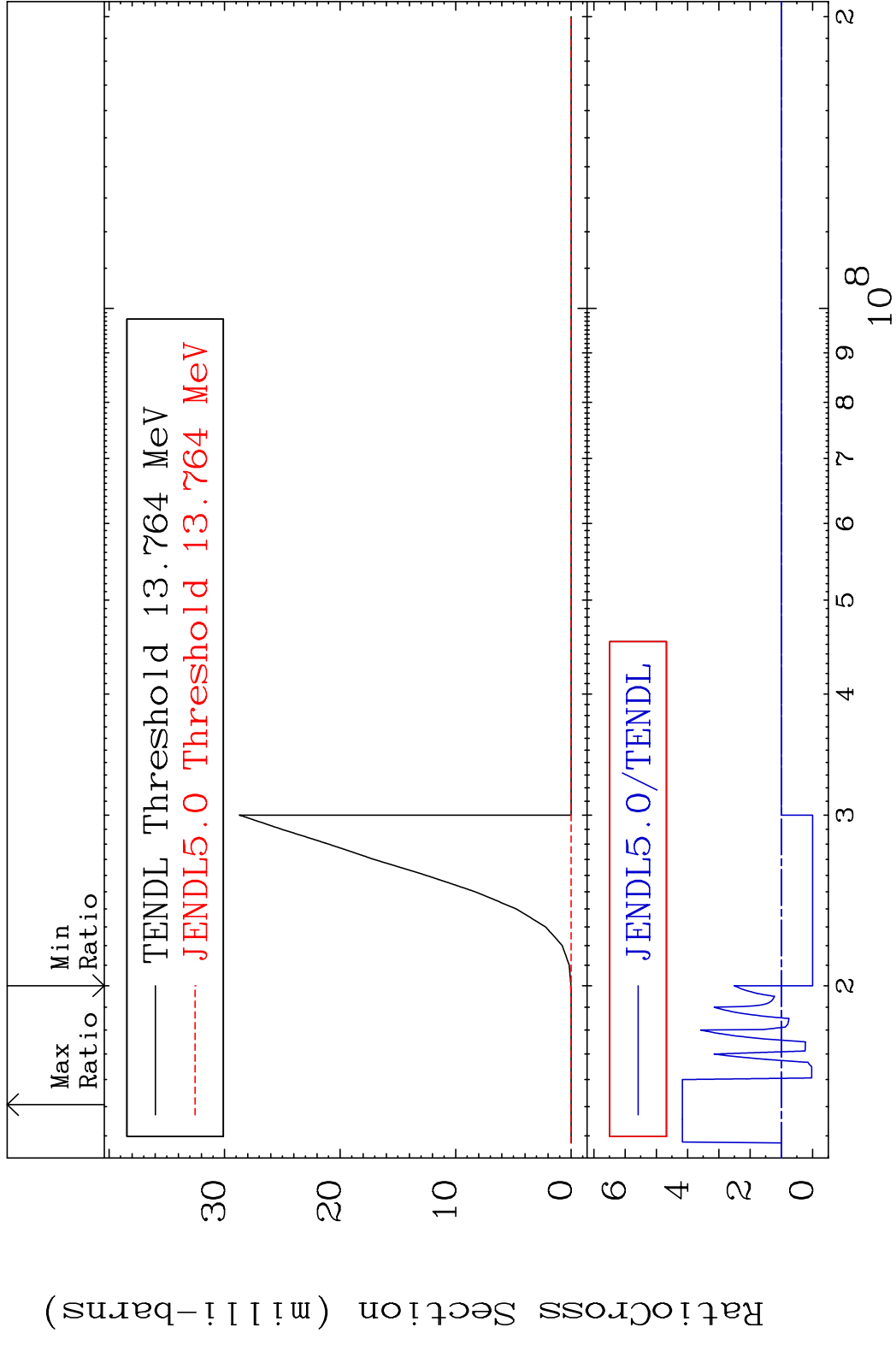


MAT 2219 (n,2n) p 22-Ti-44  
 Cross Section -100.0 To 51.56 %

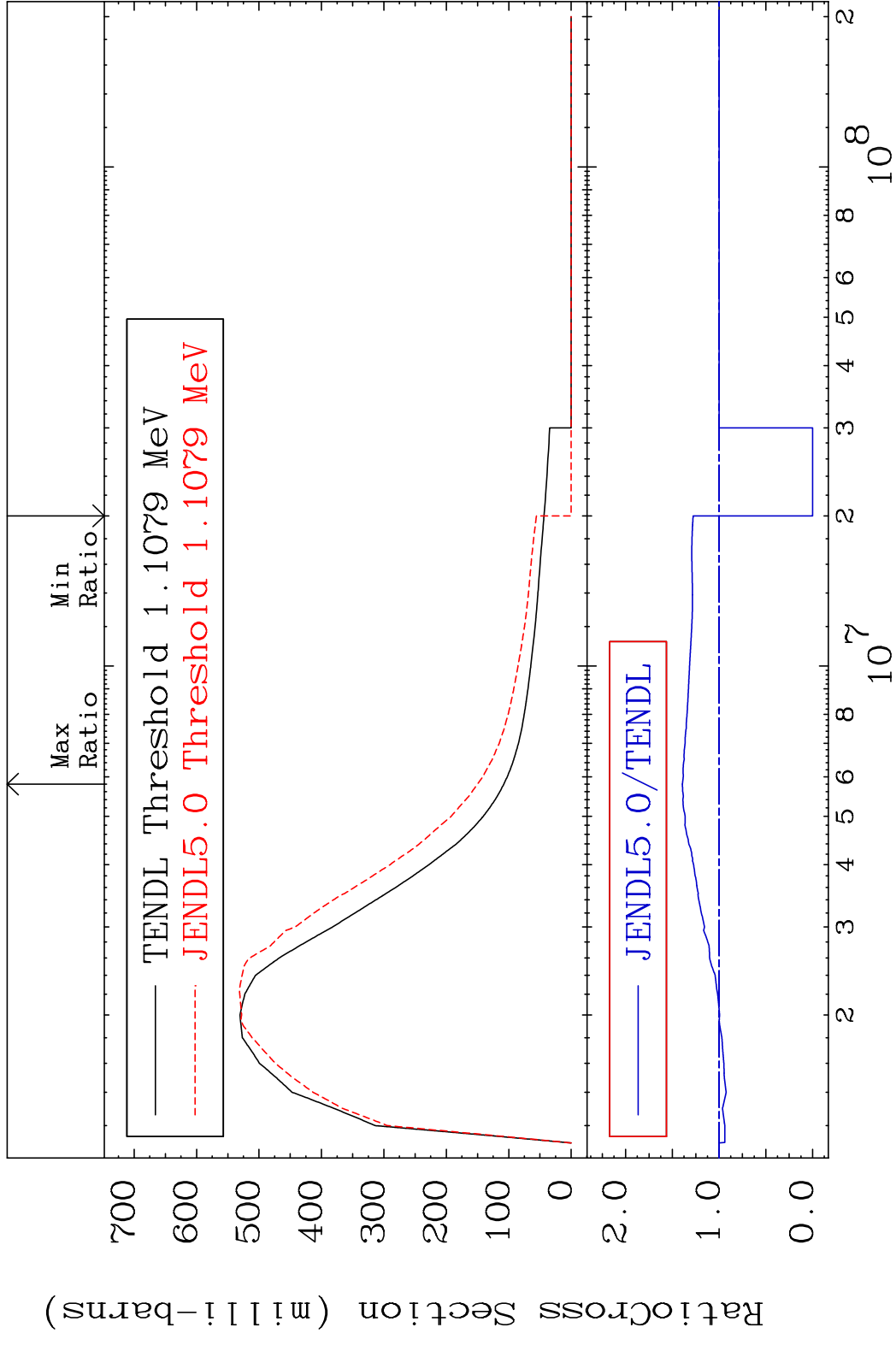


MAT 2219

(n,n') p  $\alpha$   $^{22}\text{Ti-44}$   
Cross Section -100.0 To 316.7 %

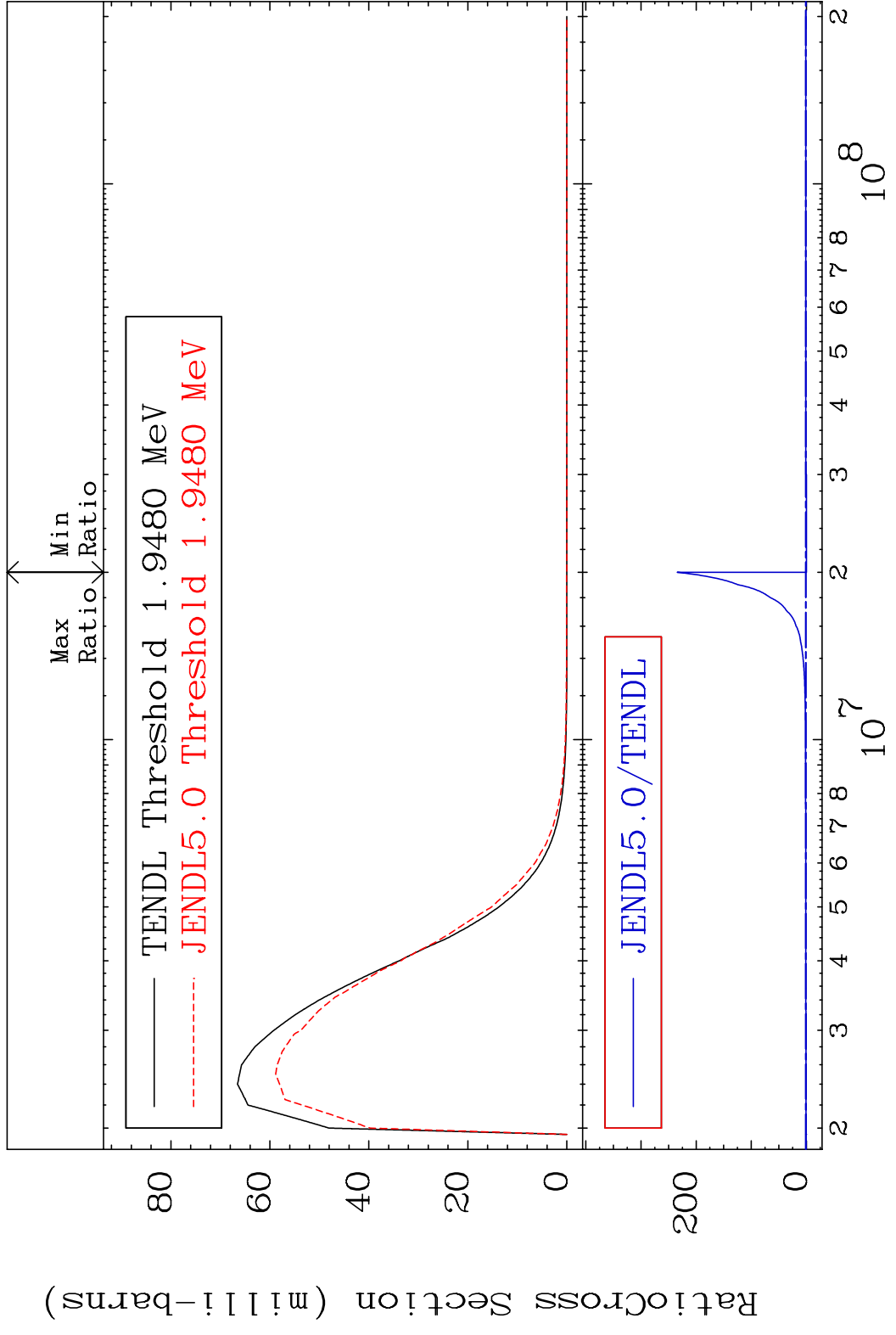


MAT 2219 MT= 51 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 39.33 %

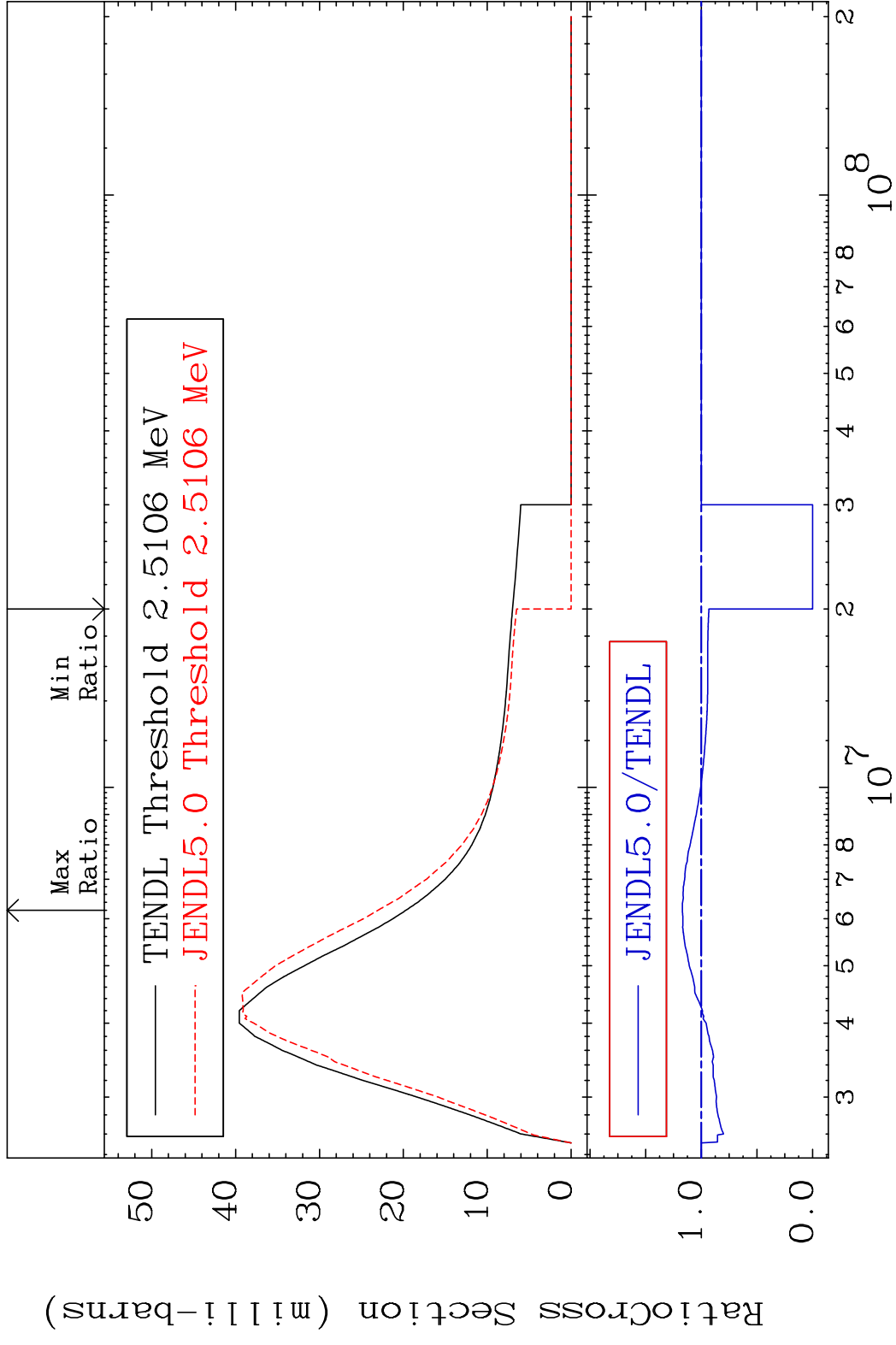


10 Incident Energy (eV) 22-Ti-44

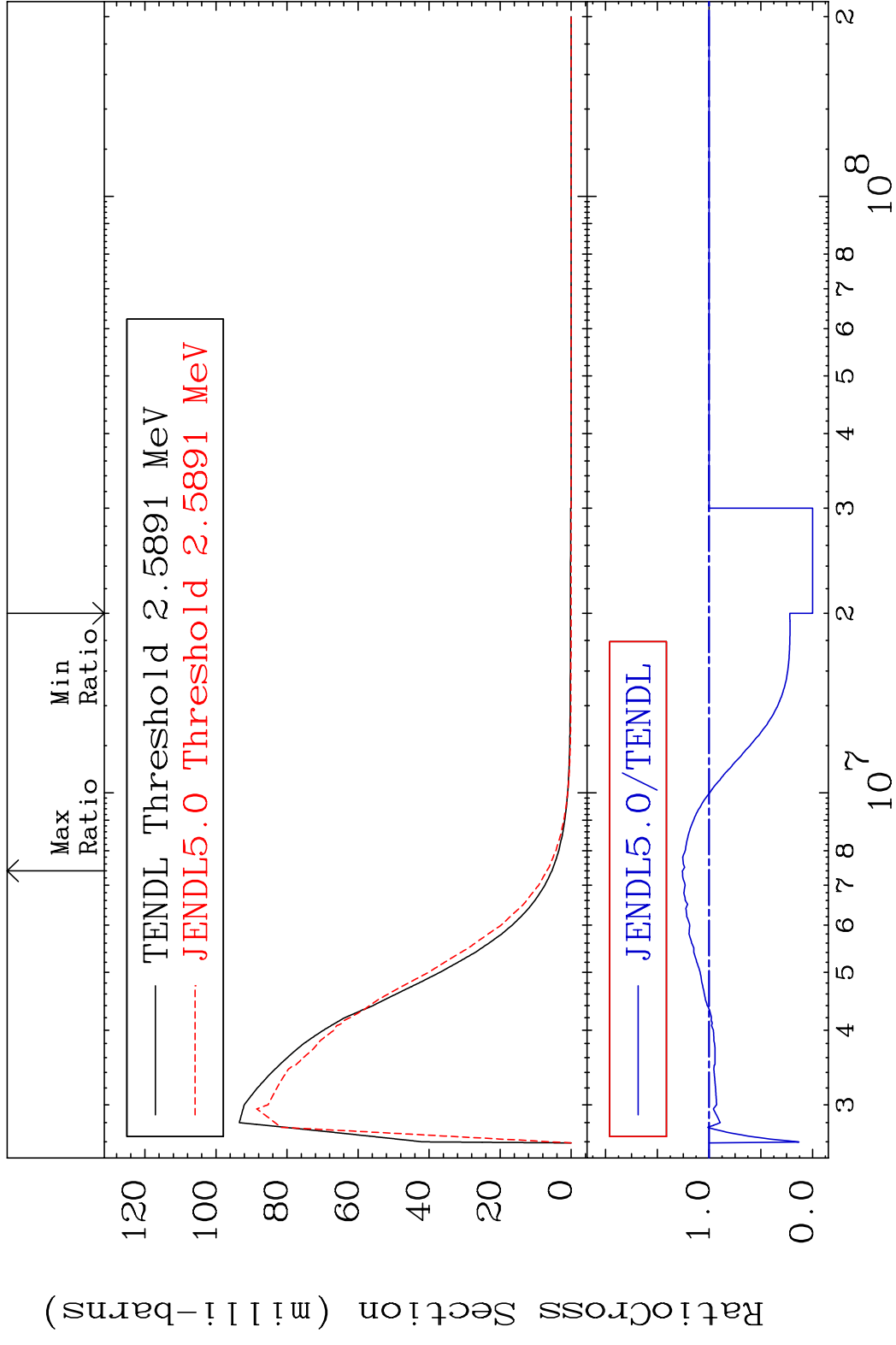
MAT 2219 MT= 52 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 9999. %



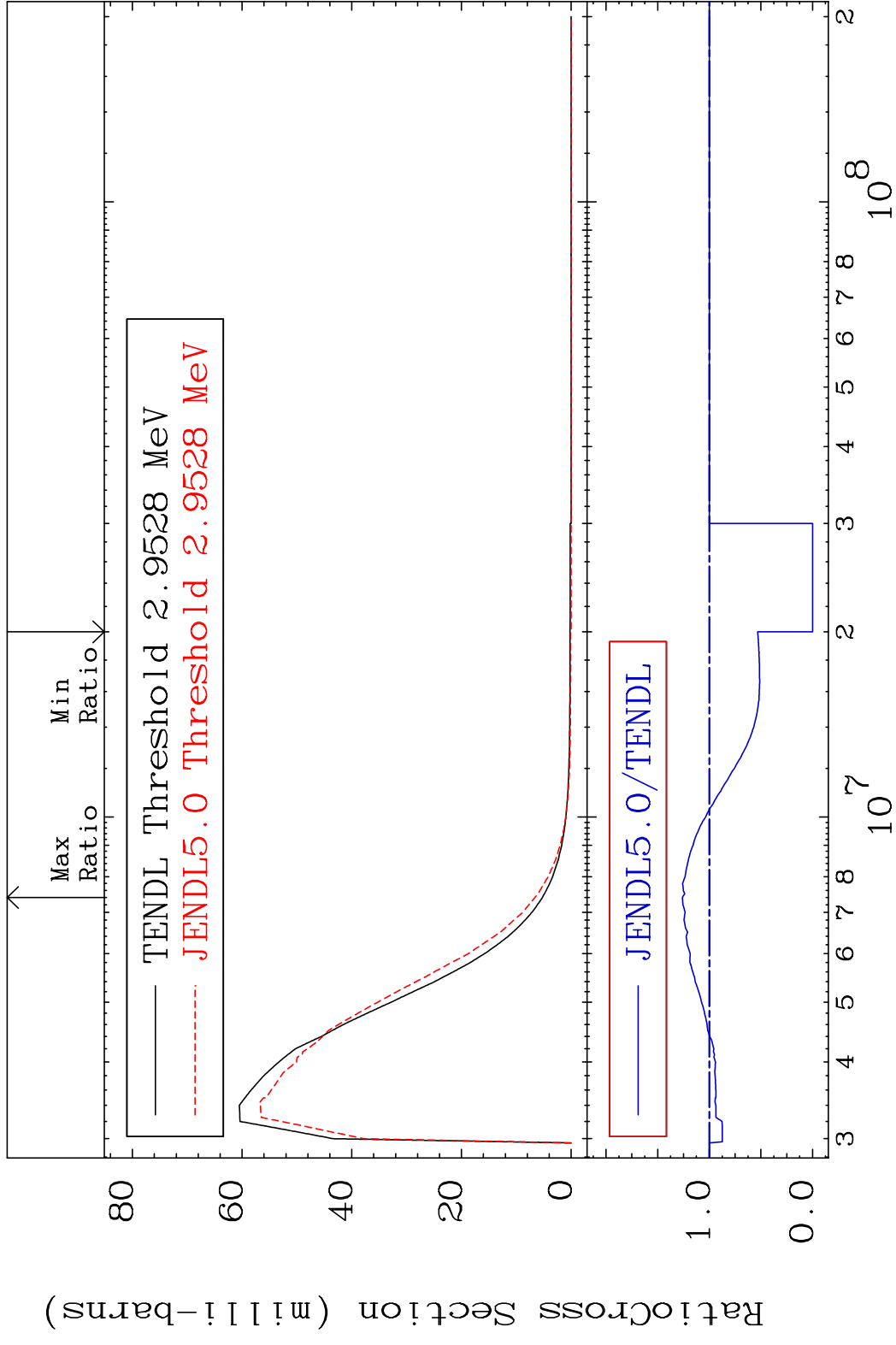
MAT 2219 MT= 53 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 16.98 %



MAT 2219 MT= 54 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 25.85 %

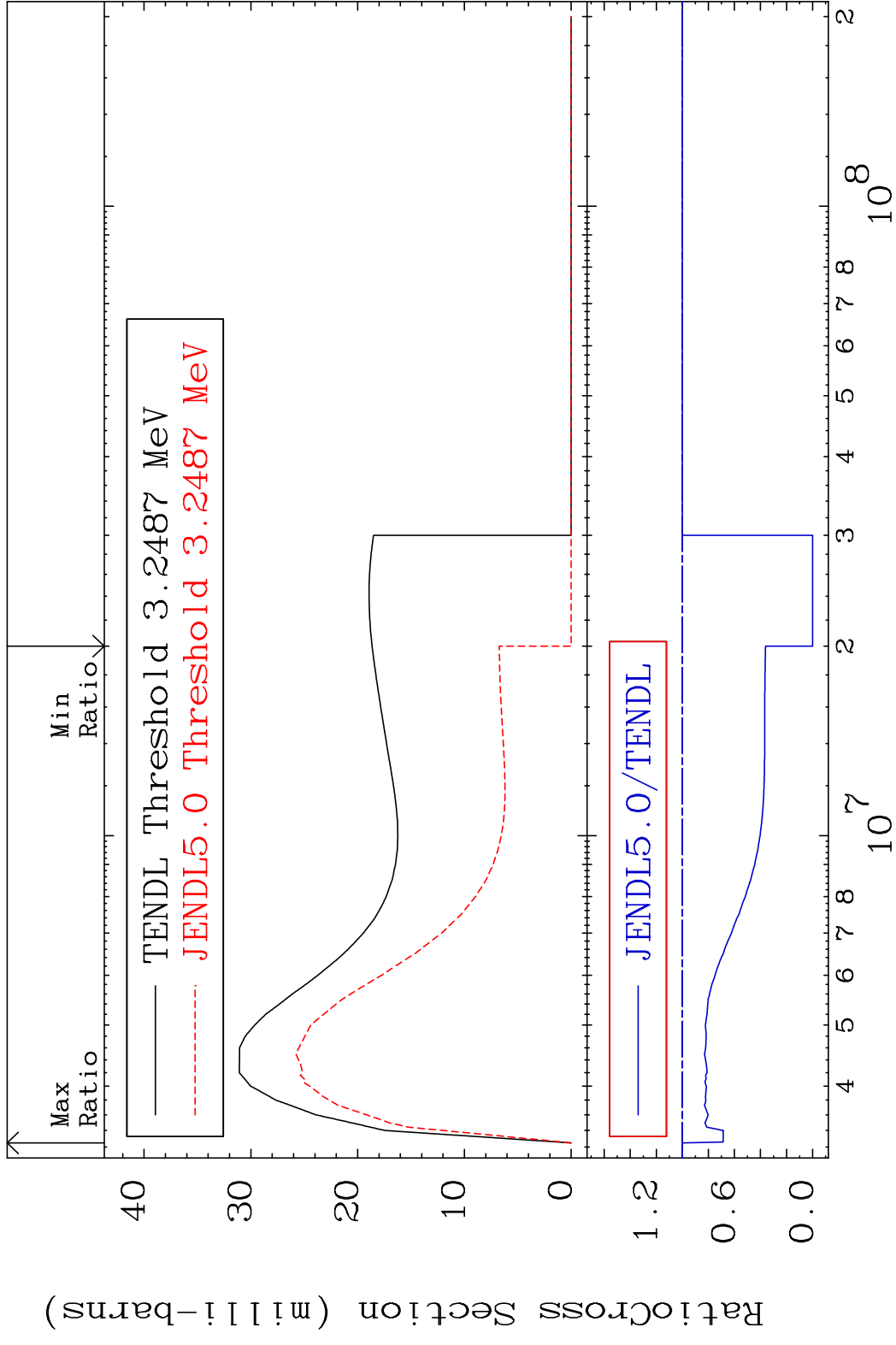


MAT 2219 MT= 55 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 26.09 %



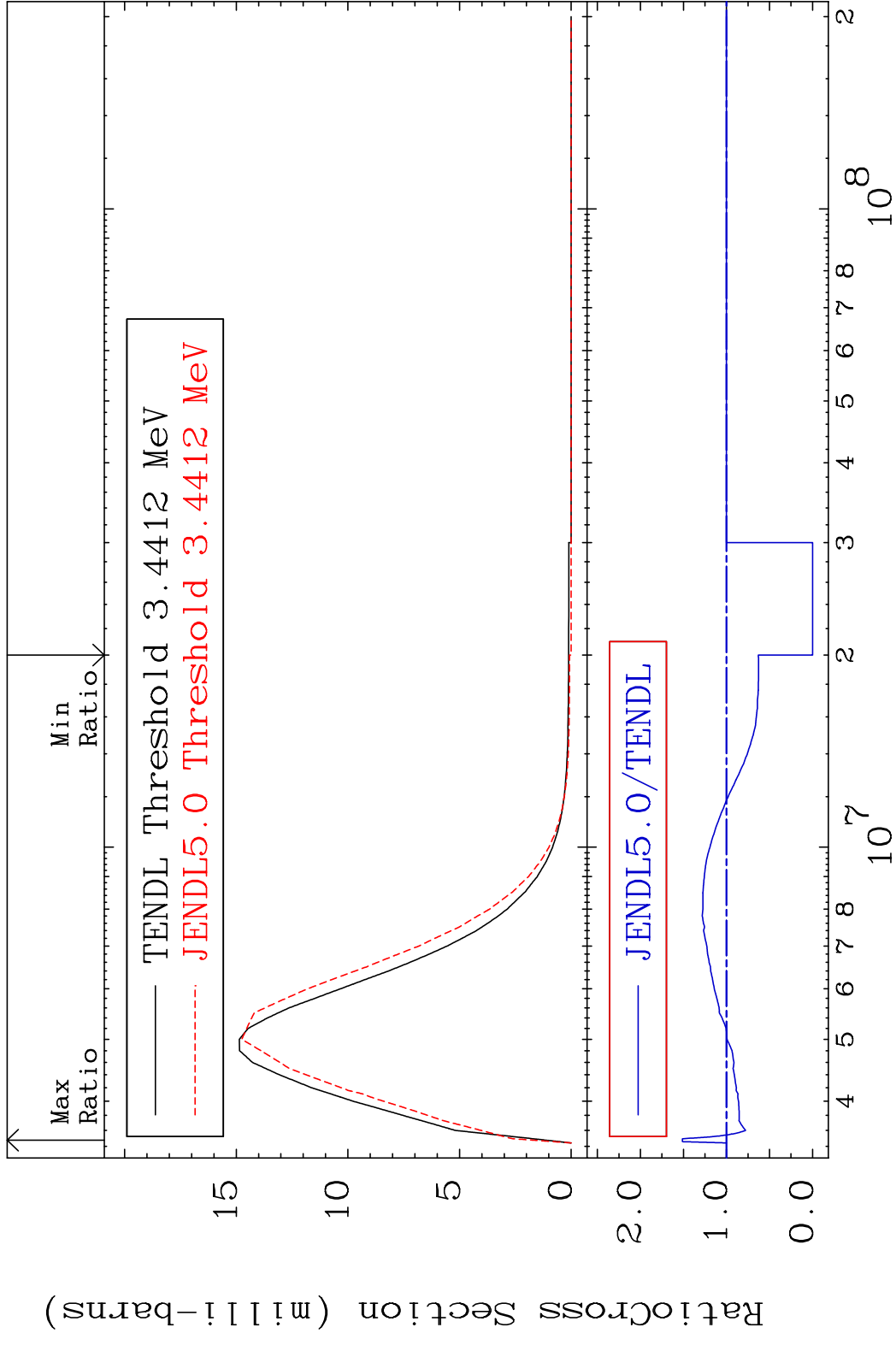
14 Incident Energy (eV) 22-Ti-44

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

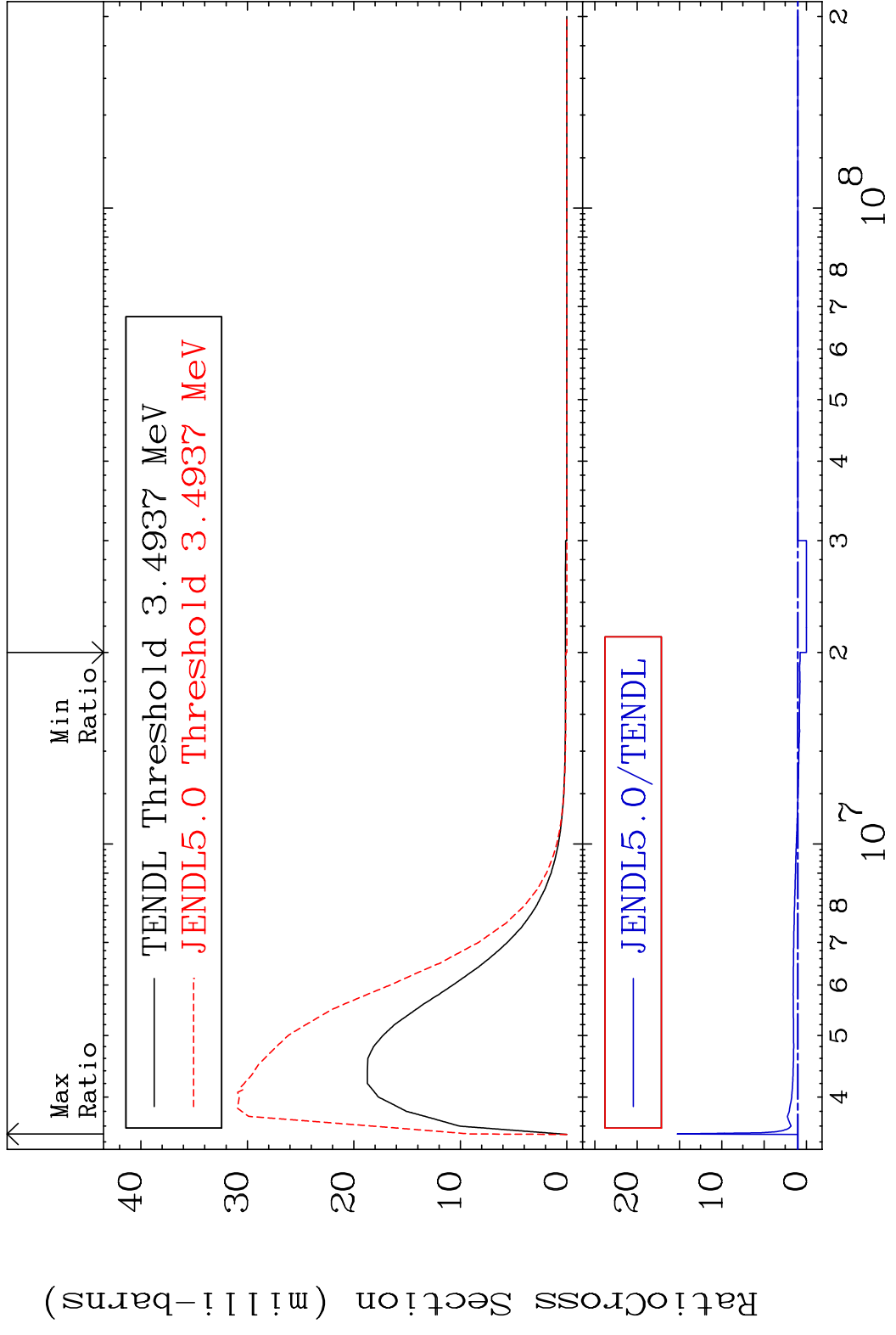




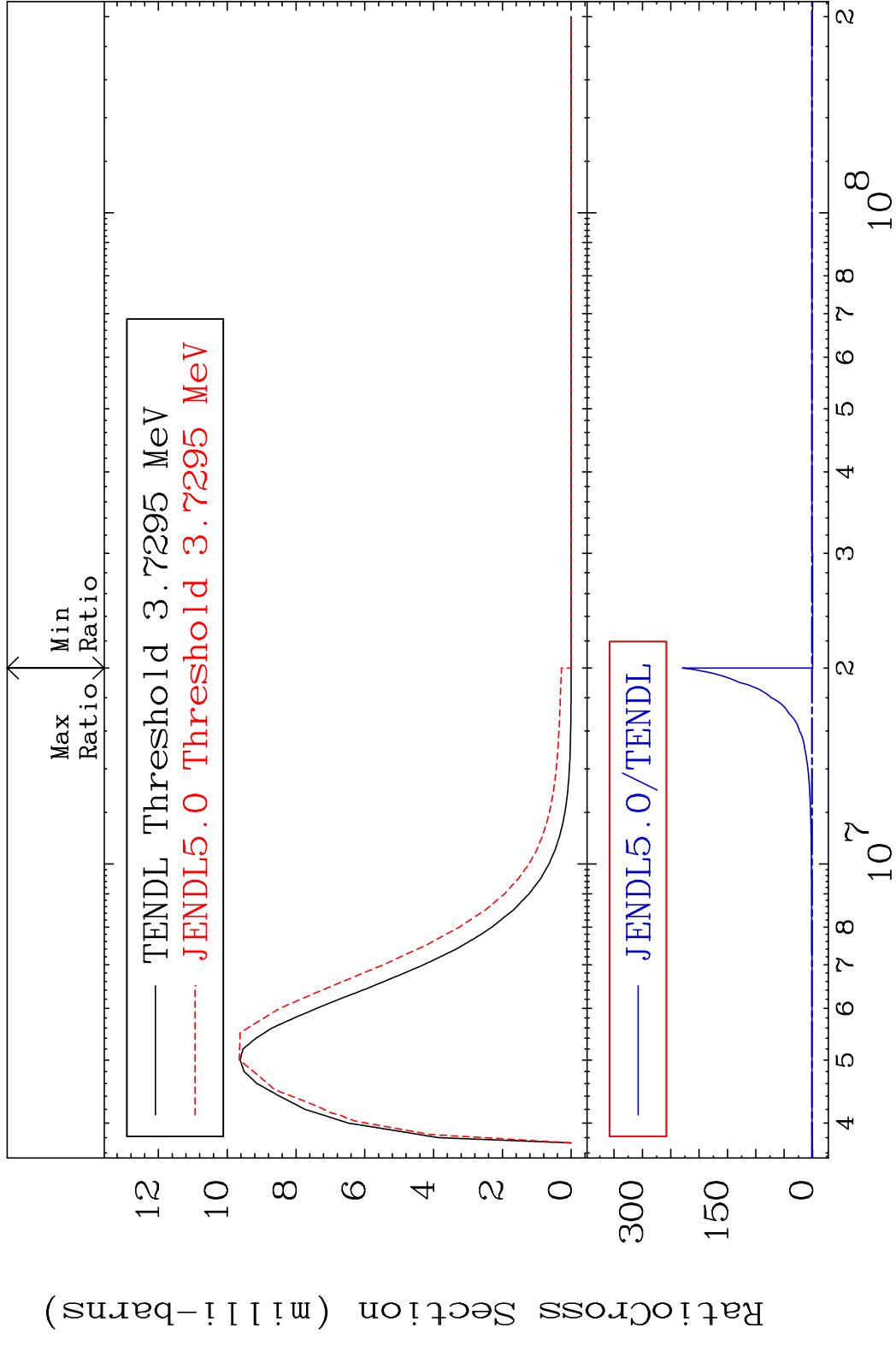
MAT 2219 MT= 57 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 51.27 %



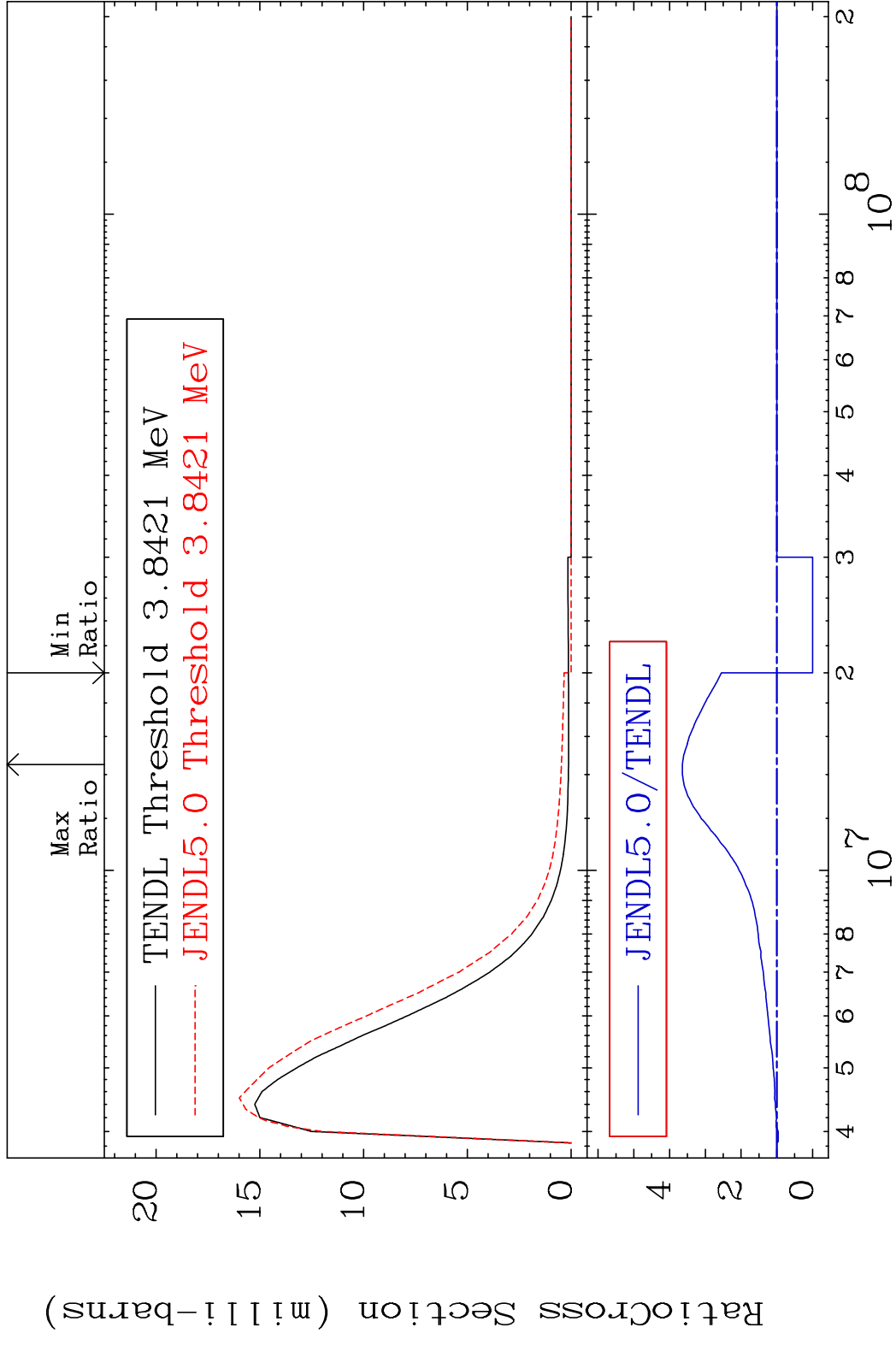
MAT 2219 MT= 58 (n,n') Level 22-Ti-44  
 Cross Section -100.0 To 1427. %



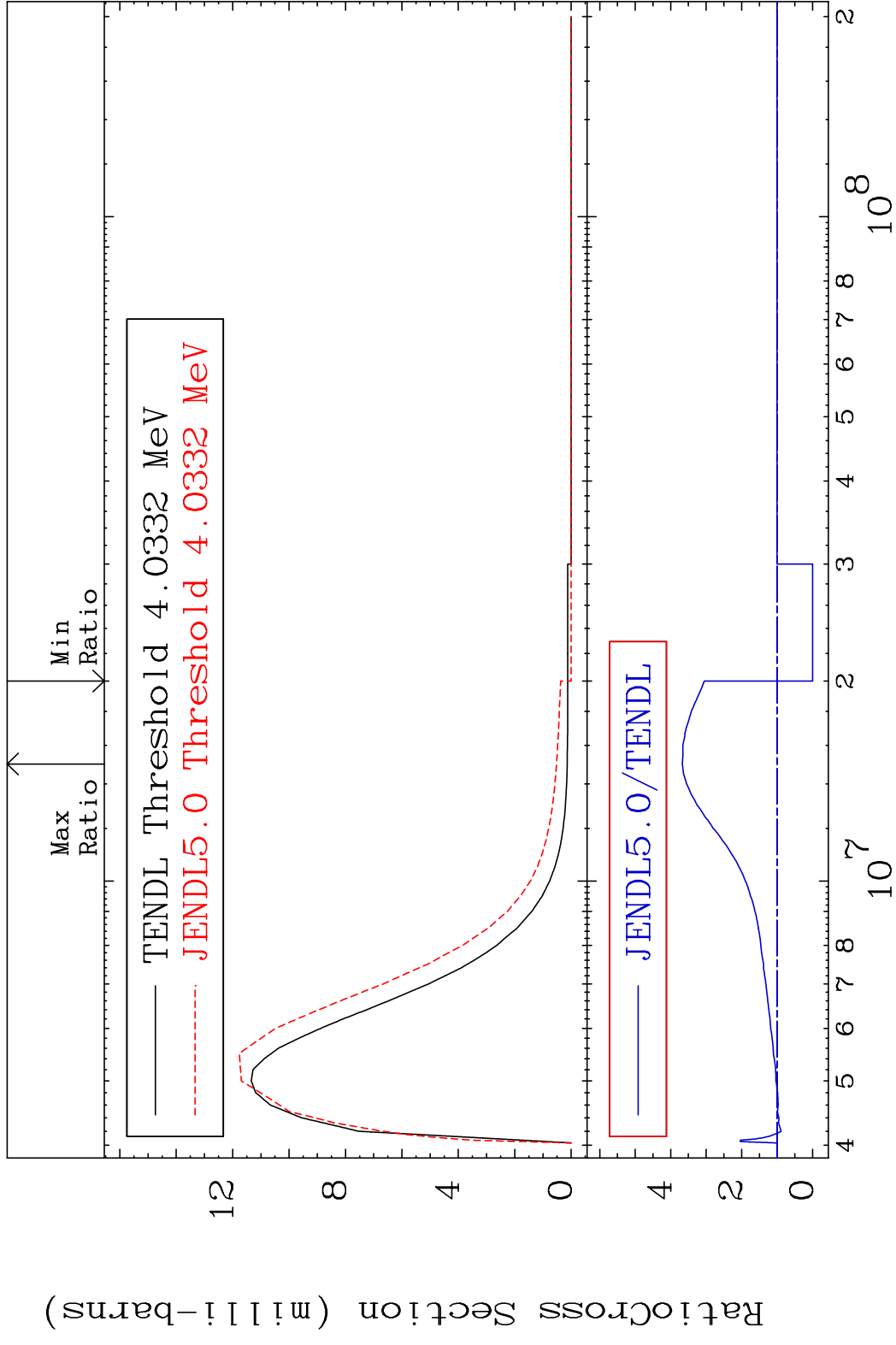
MAT 2219 MT= 59 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 9999. %



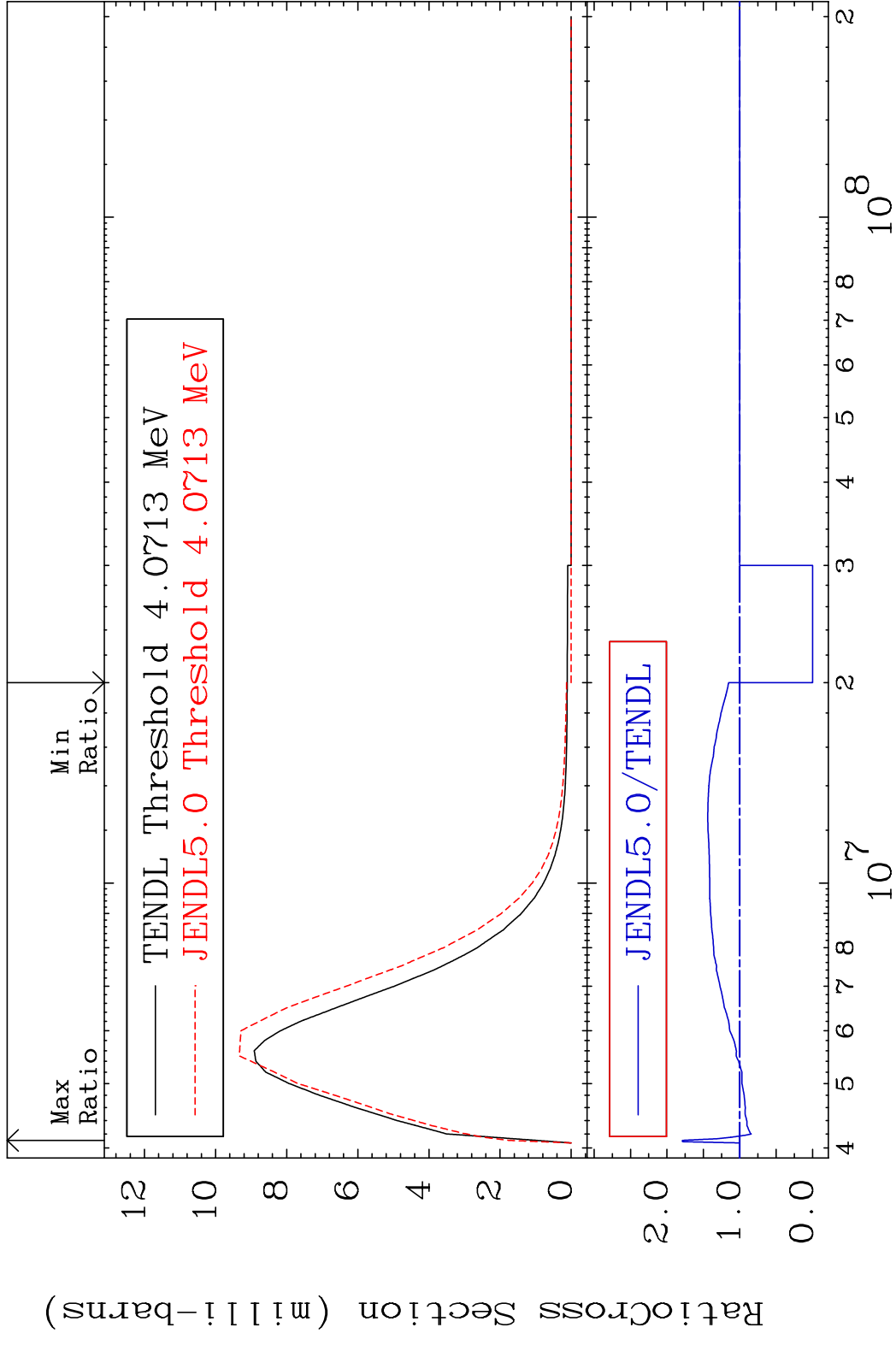
MAT 2219 MT= 60 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 264.3 %



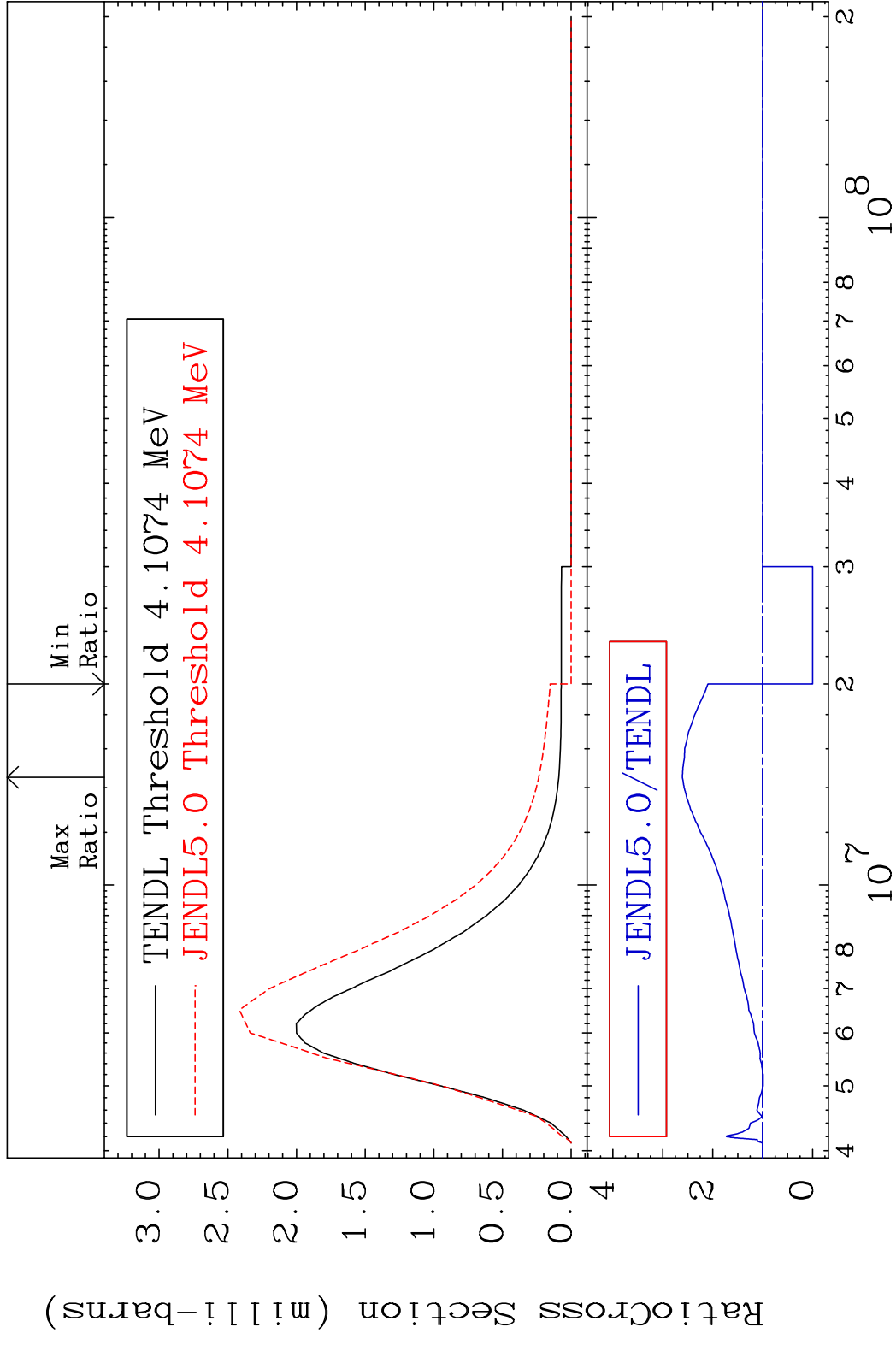
MAT 2219 MT= 61 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 267.1 %



MAT 2219 MT= 62 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 78.80 %

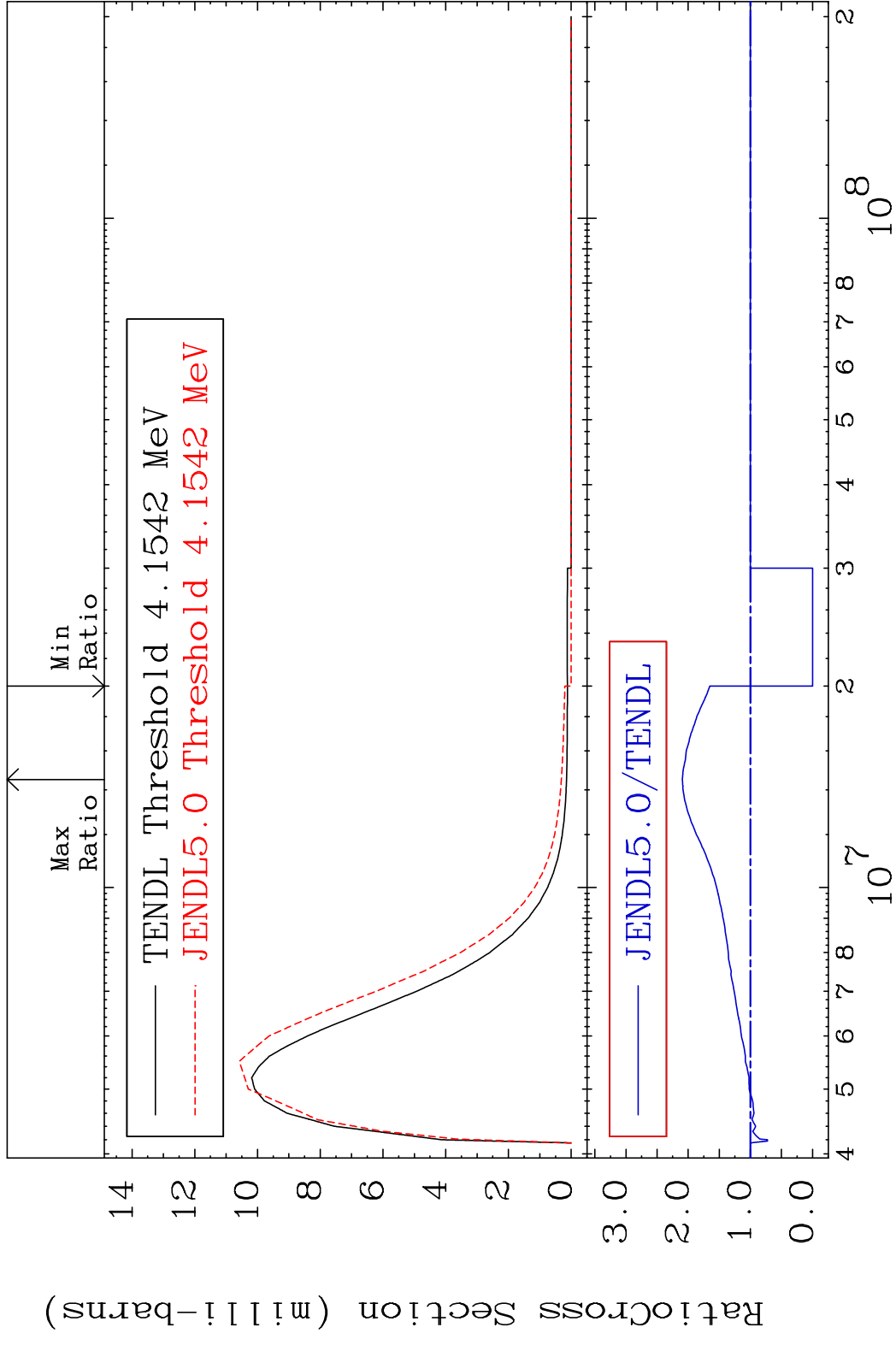


MAT 2219 MT= 63 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 160.9 %



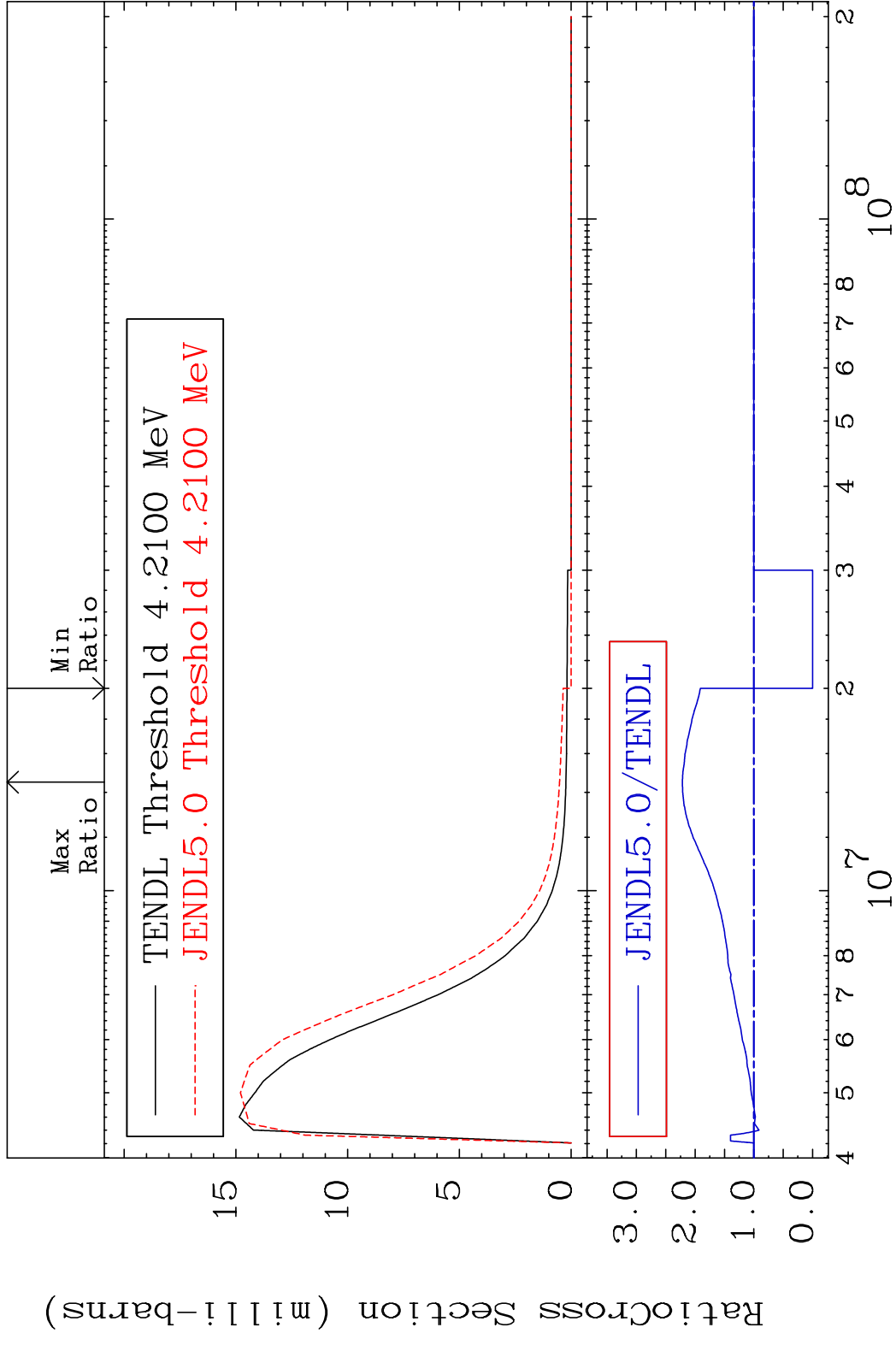
22 Incident Energy (eV) 22-Ti-44

MAT 2219 MT= 64 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 109.4 %

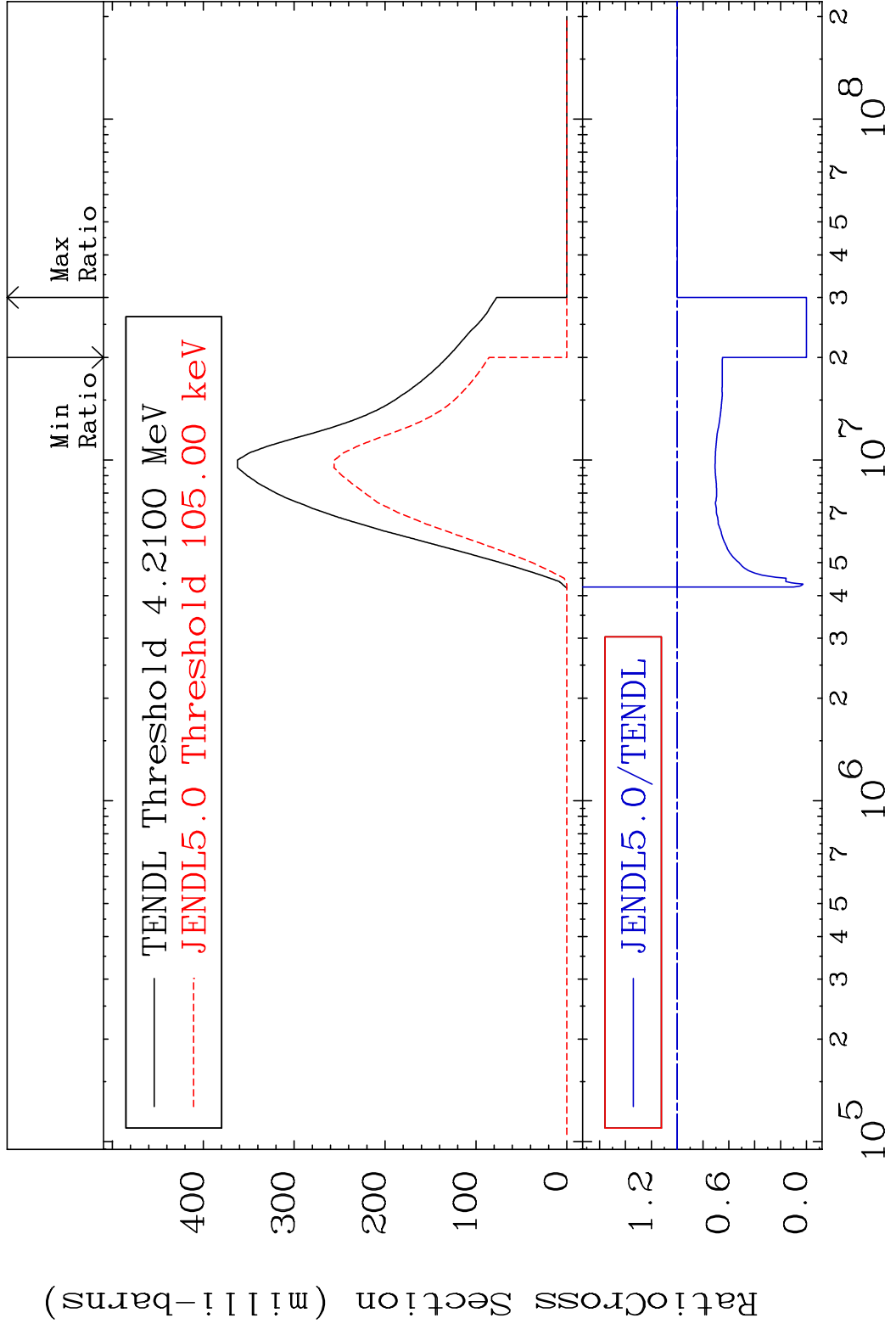




MAT 2219 MT= 65 (n, n') Level 22-Ti-44  
 Cross Section -100.0 To 121.8 %



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



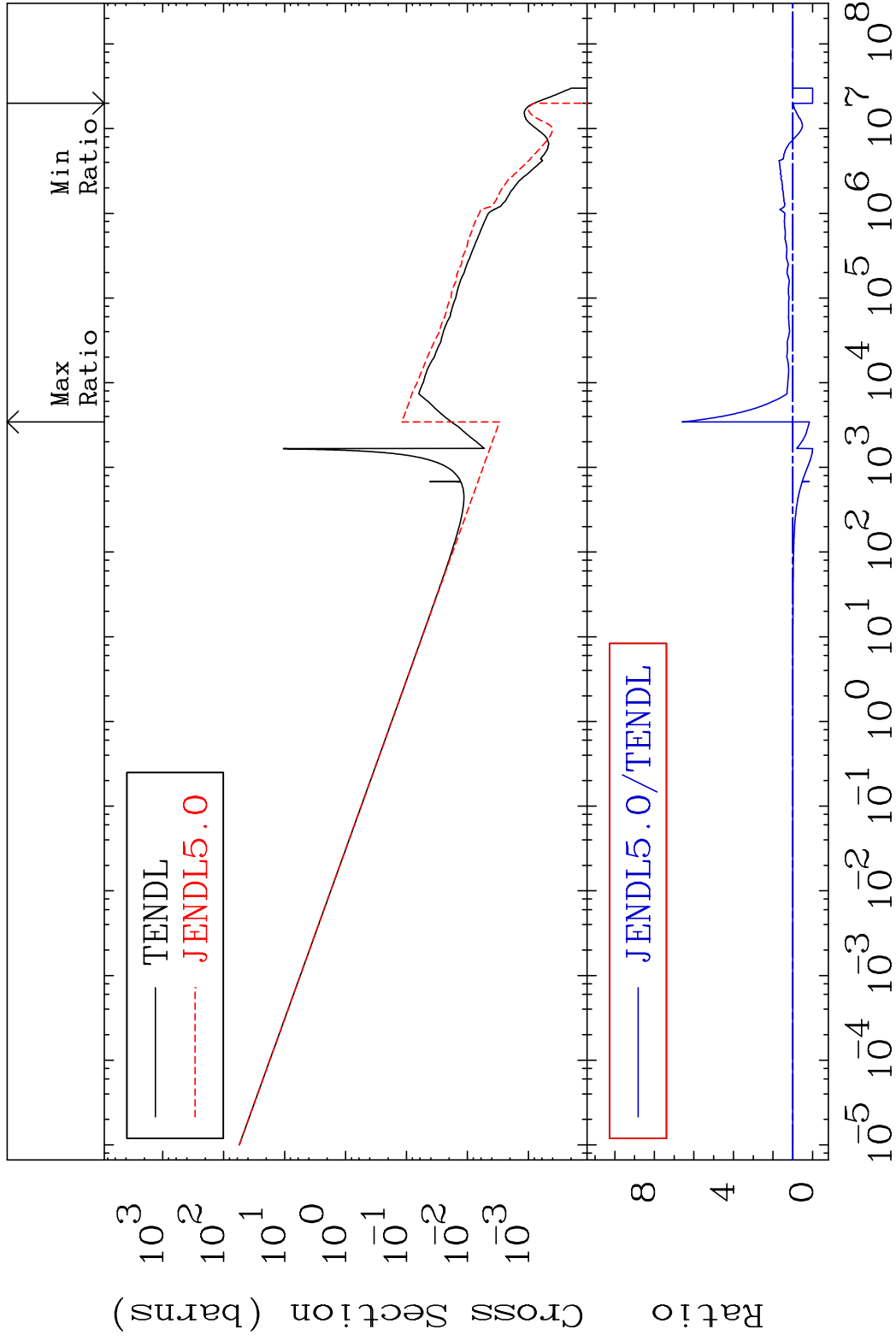
25 Incident Energy (eV) 22-Ti-44

MAT 2219

(n,  $\gamma$ )

22-Ti-44

Cross Section -100.0 To 558.4 %



26

Incident Energy (eV)

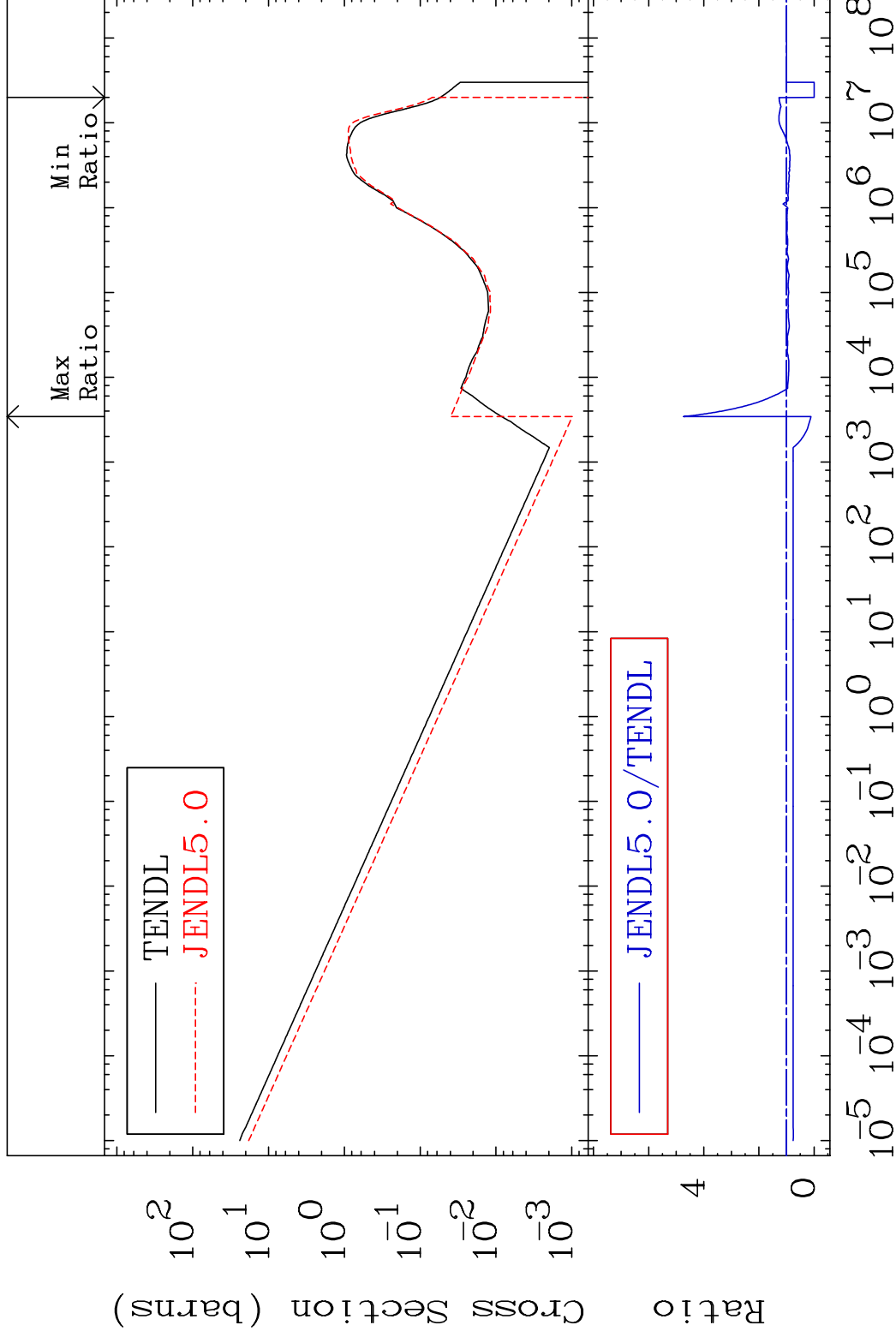
22-Ti-44

MAT 2219

(n, p)

22-Ti-44

Cross Section -100.0 To 373.1 %

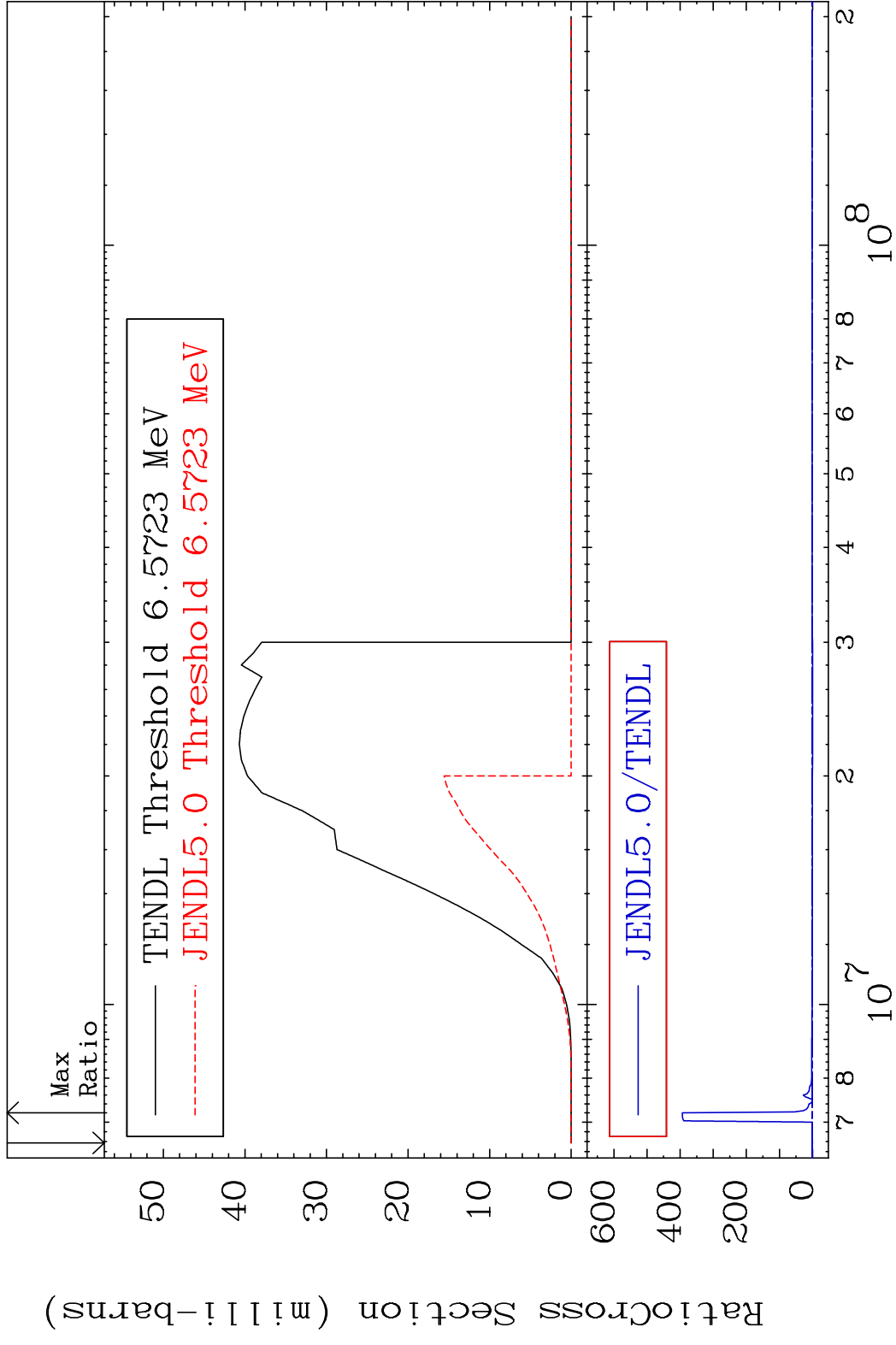


27

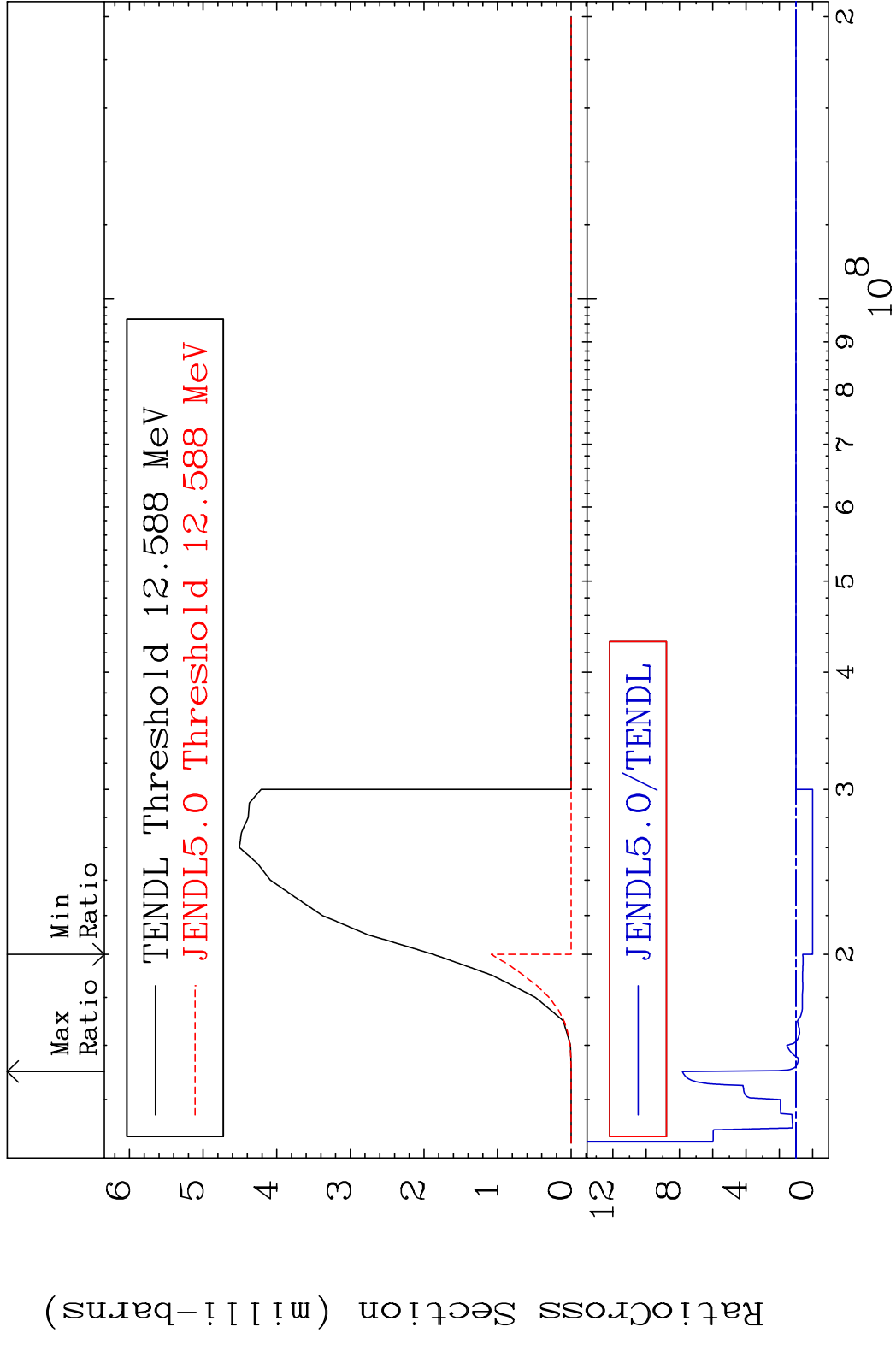
Incident Energy (eV)

22-Ti-44

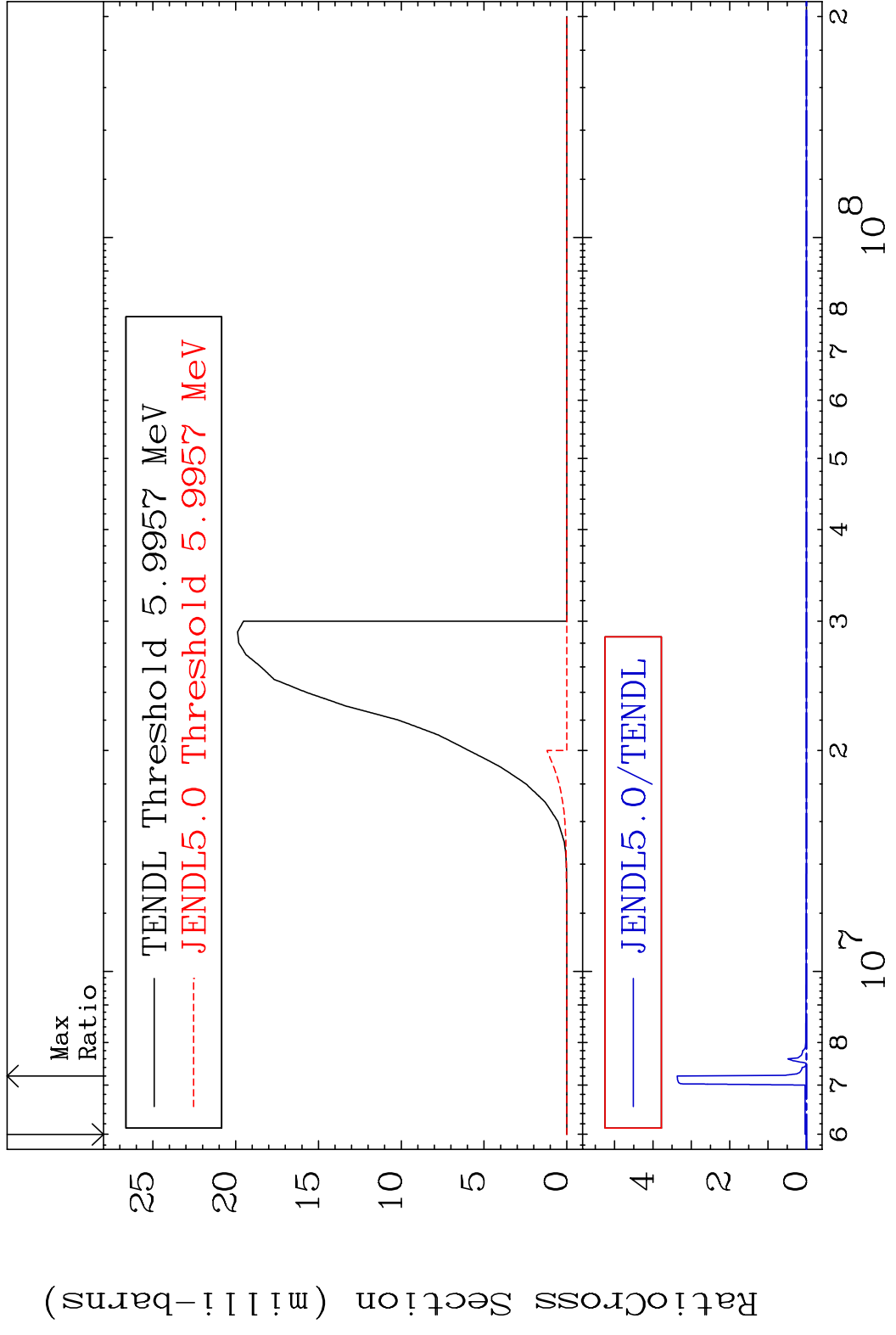
MAT 2219 (n,d) 22-Ti-44  
 Cross Section -100.0 To 9999. %



MAT 2219 (n, t) 22-Ti-44  
 Cross Section -100.0 To 682.1 %



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



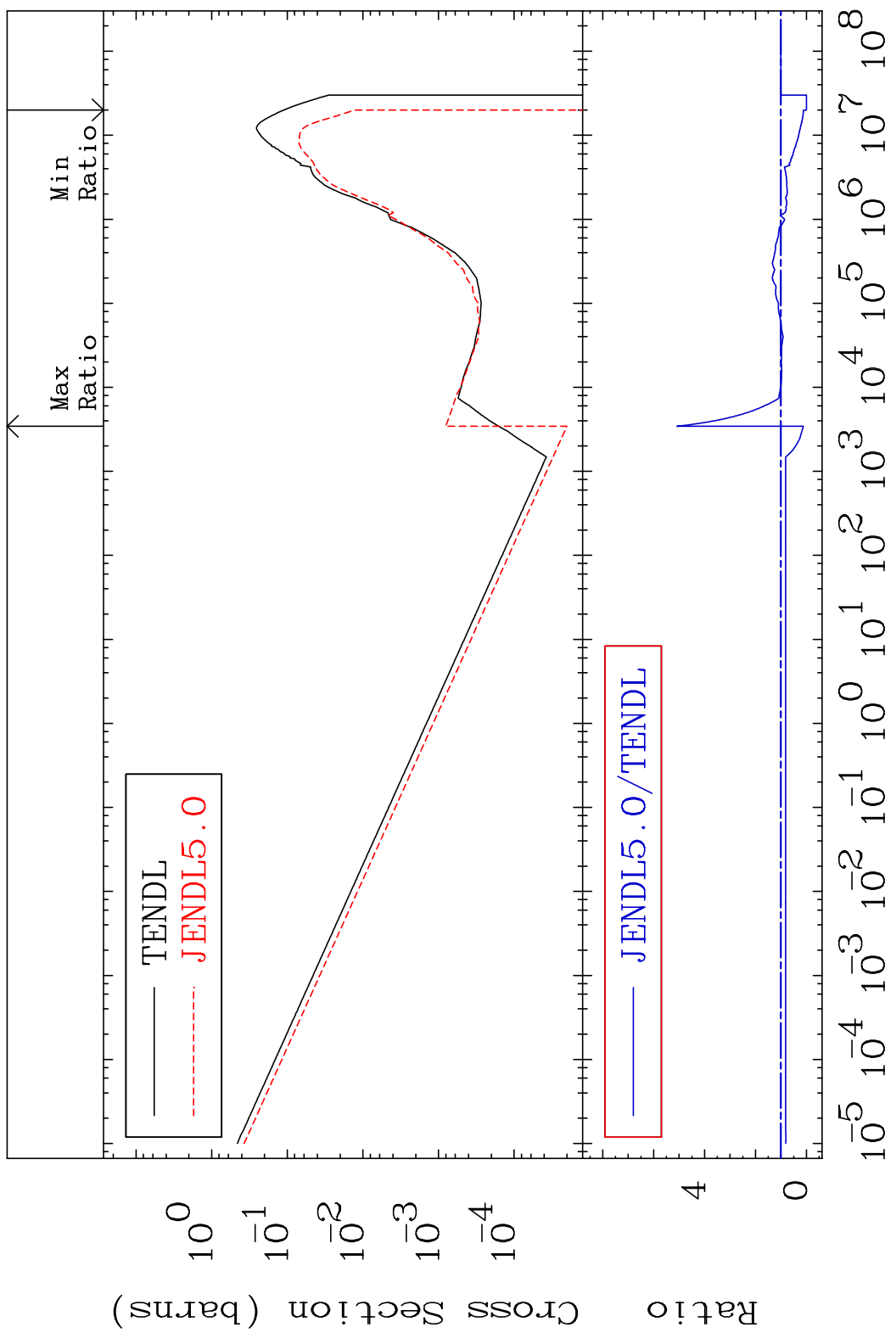
30 <sup>22</sup>Ti-44

MAT 2219

(n,  $\alpha$ )

22-Ti-44

Cross Section -100.0 To 407.5 %



31

Incident Energy (eV)

22-Ti-44

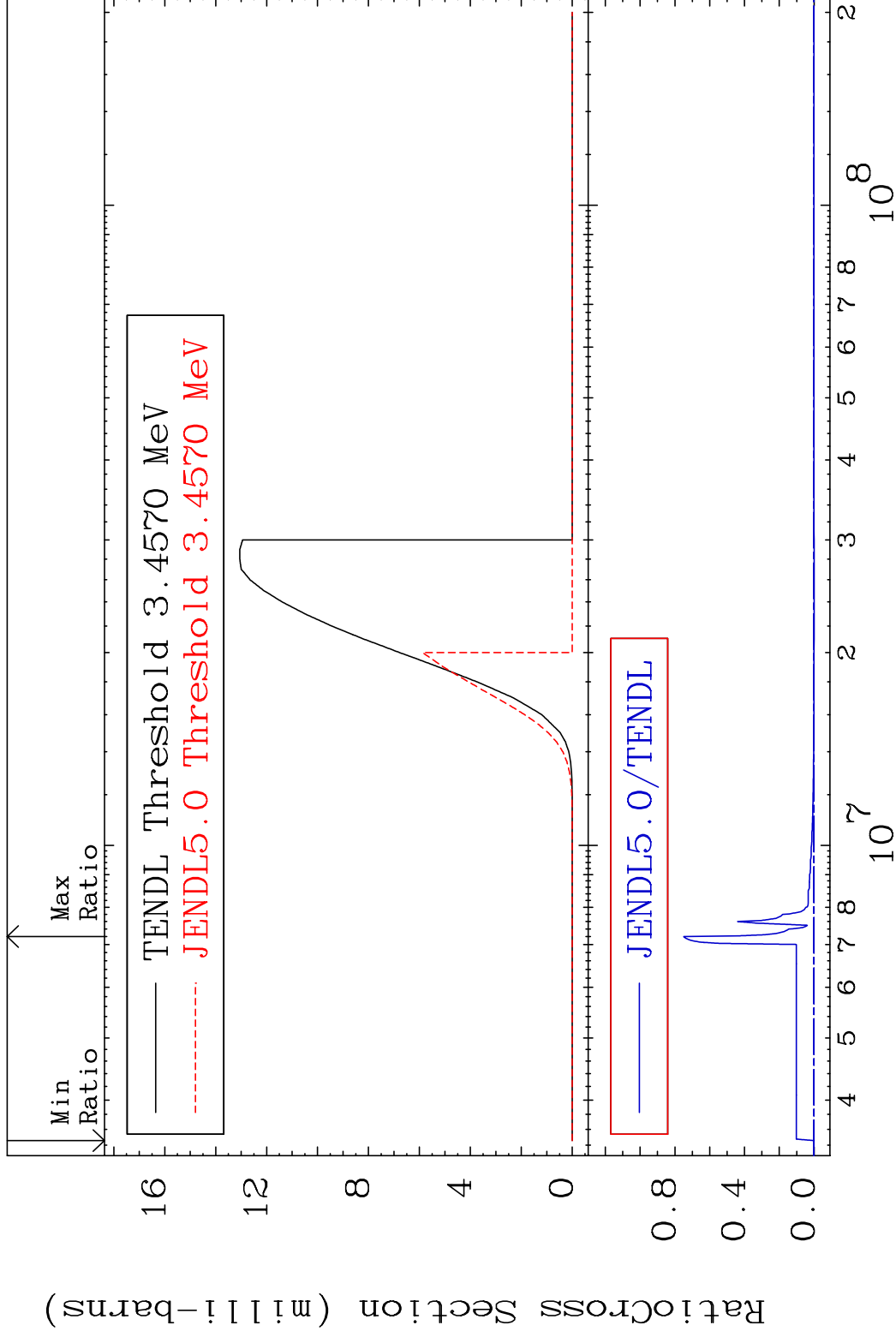


MAT 2219

(n,2α)

22-Ti-44

Cross Section -100.0 To 9999. %

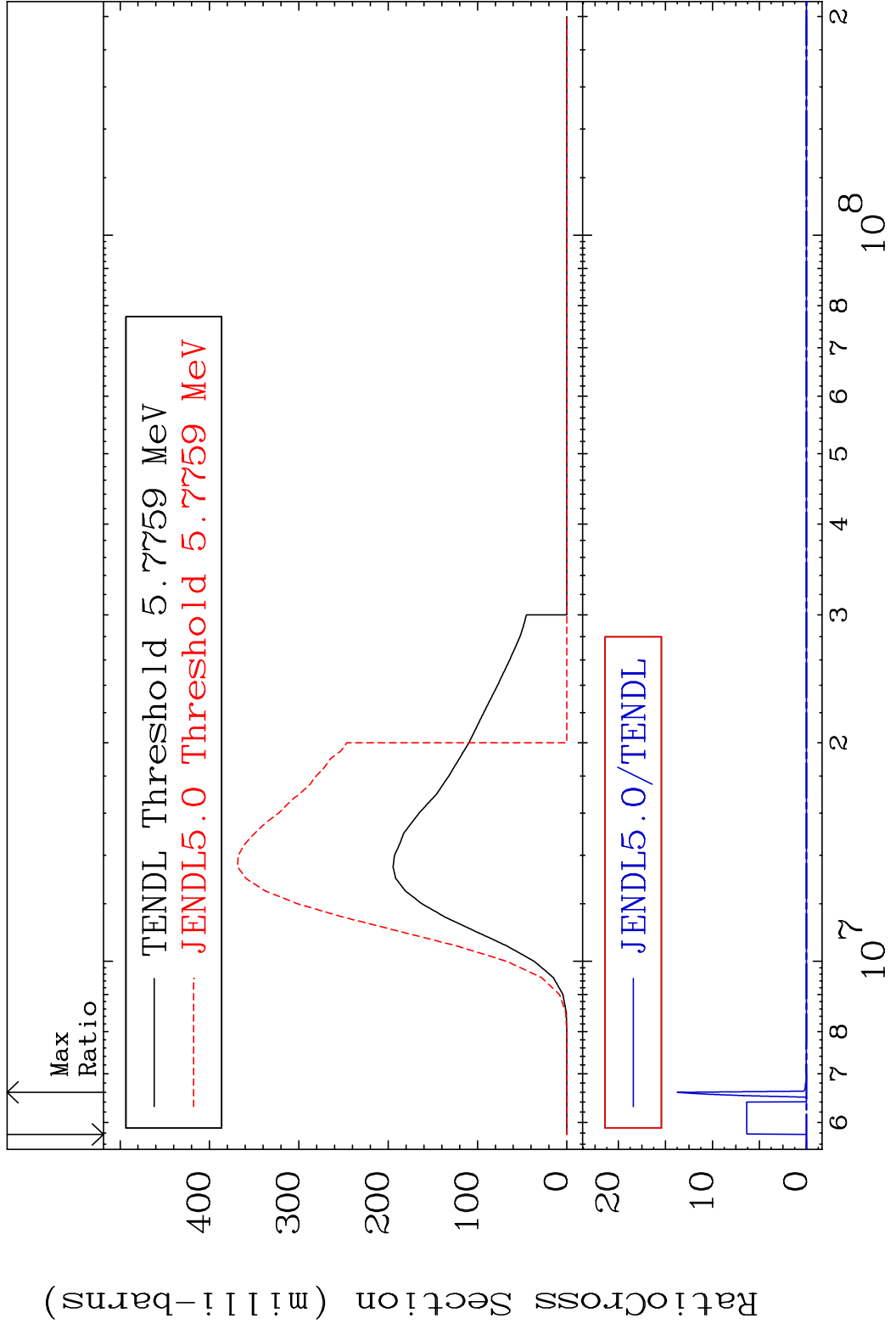


32

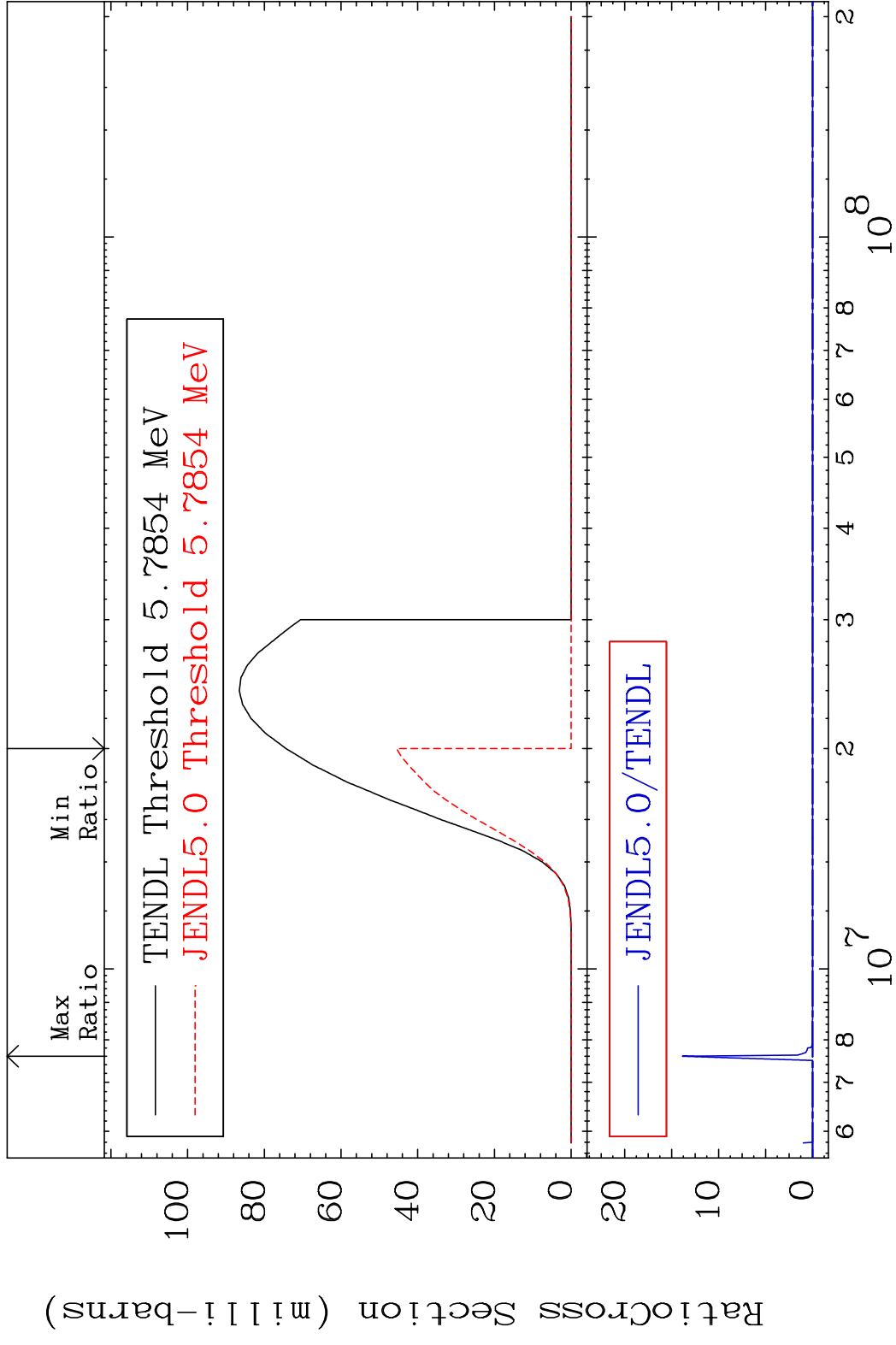
Incident Energy (eV)

22-Ti-44

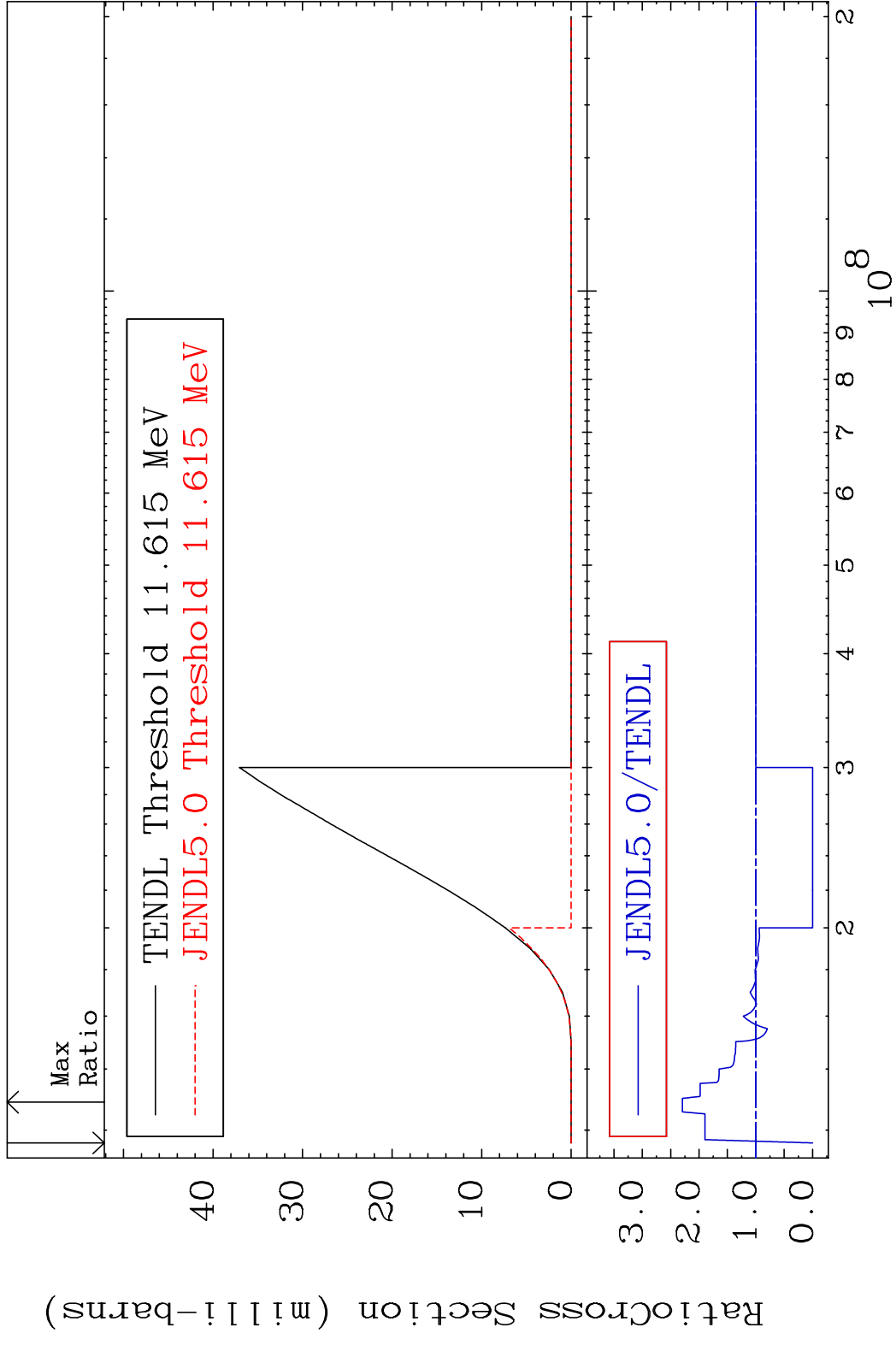
MAT 2219 (n,2p) 22-Ti-44  
 Cross Section -100.0 To 9999. %



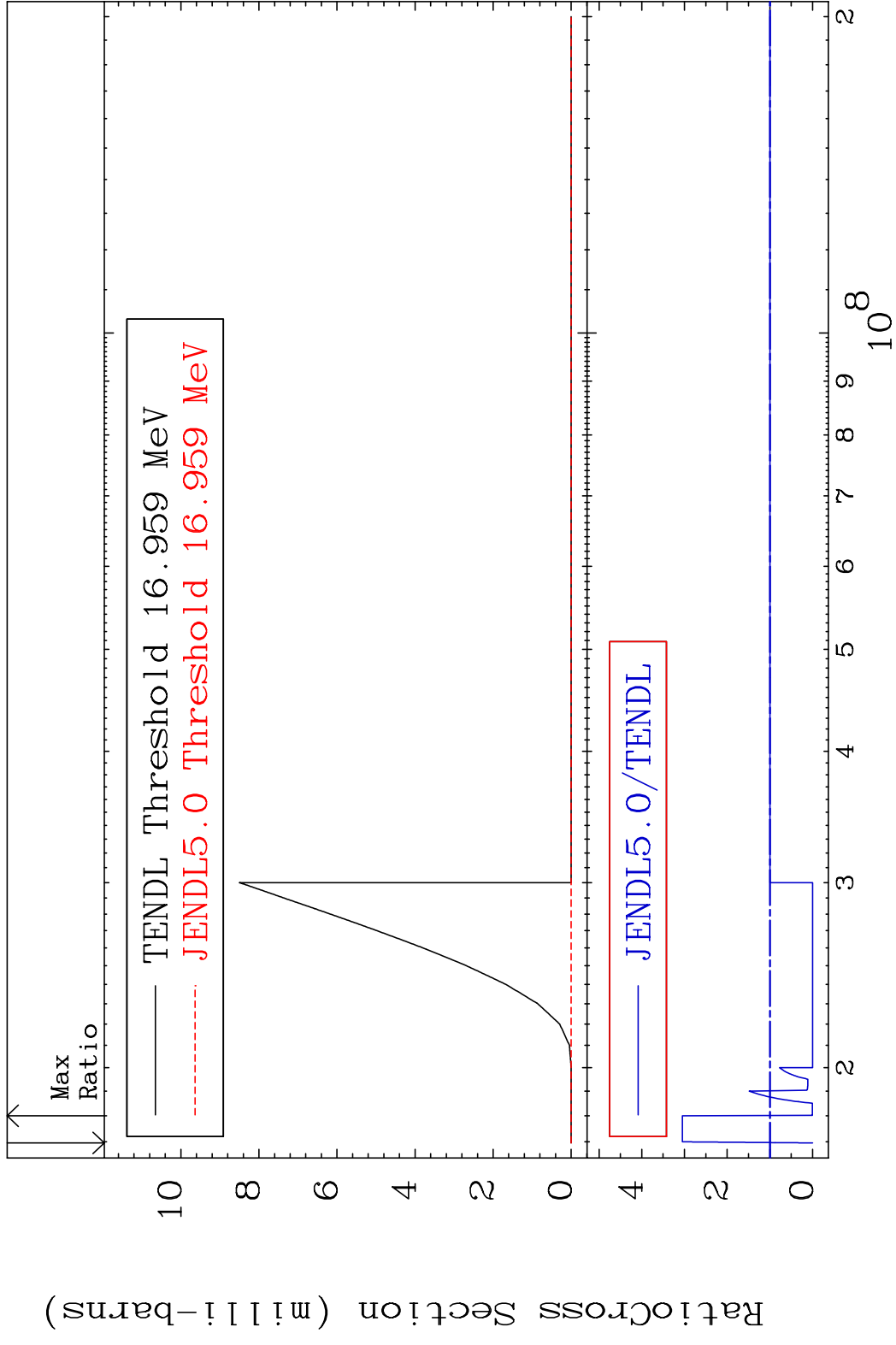
MAT 2219 (n,p)  $\alpha$   $^{22}\text{Ti-44}$   
 Cross Section -100.0 To 9999. %



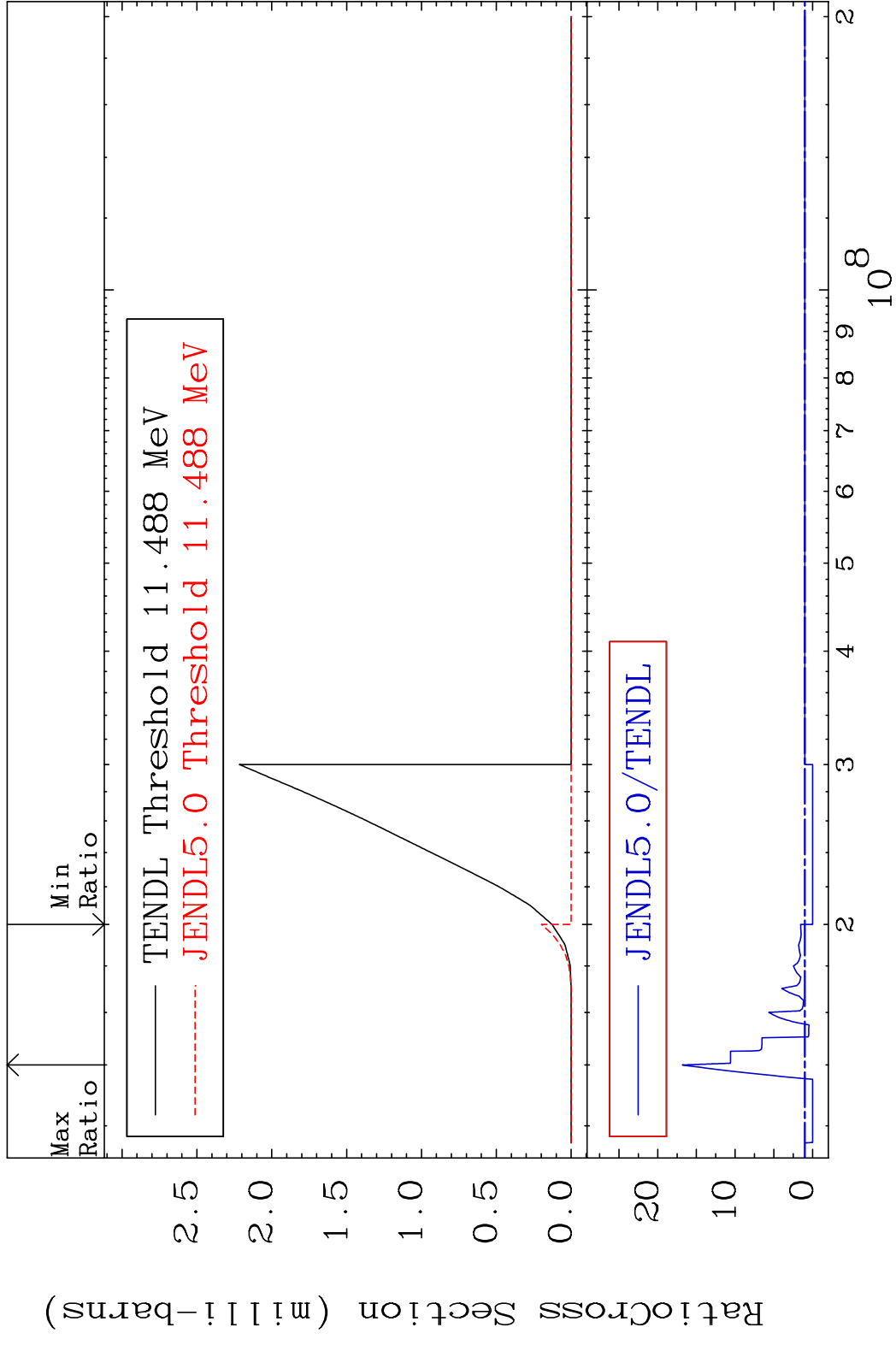
MAT 2219 (n,p) d <sup>22</sup>Ti-44  
 Cross Section -100.0 To 129.4 %



MAT 2219 (n,p) t 22-Ti-44  
 Cross Section -100.0 To 204.9 %



MAT 2219 (n,d)  $\alpha$  <sup>22</sup>Ti-44  
 Cross Section -100.0 To 1582. %

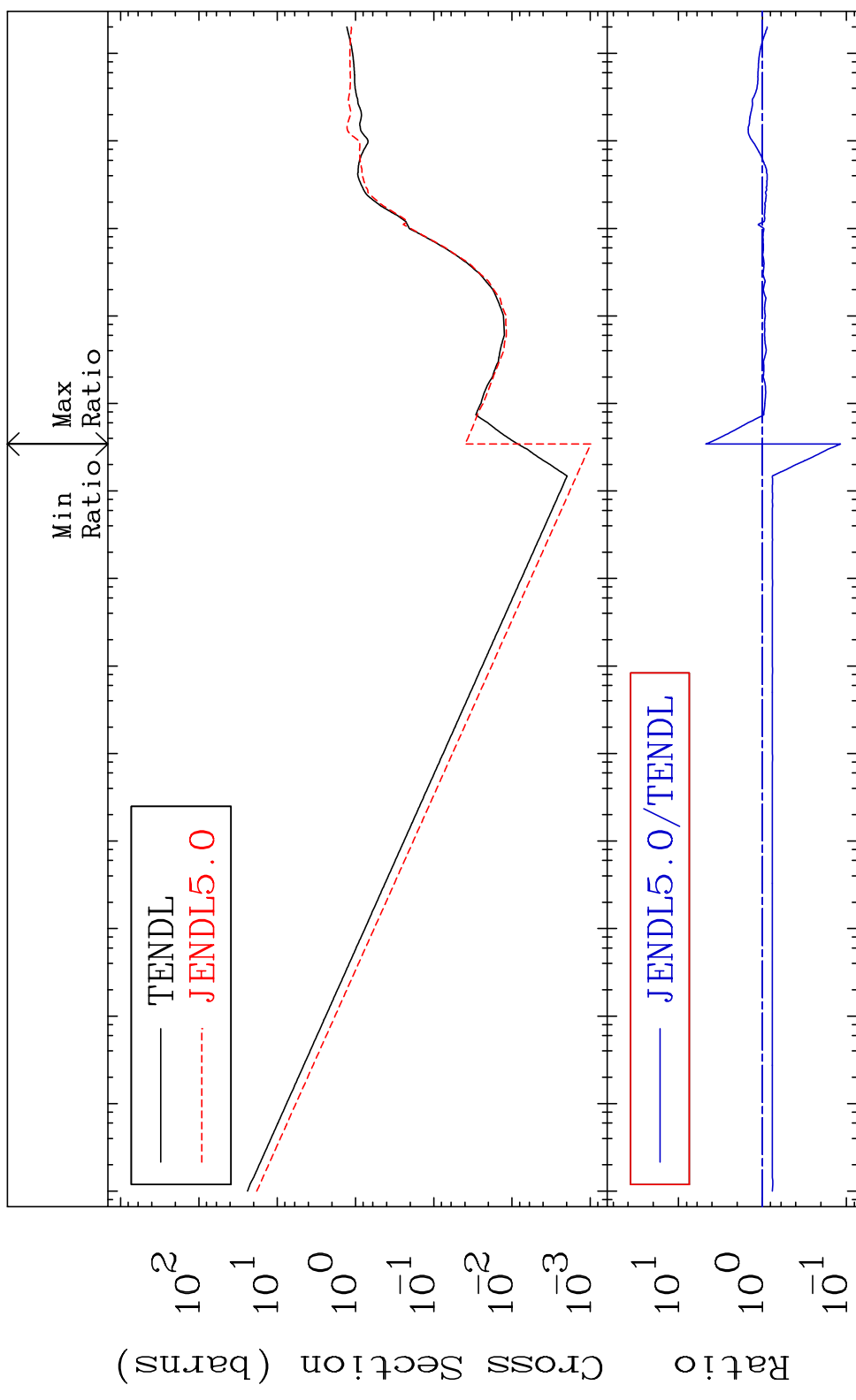


MAT 2219

Hydrogen Production

22-Ti-44

Cross Section -88.26 To 373.1 %



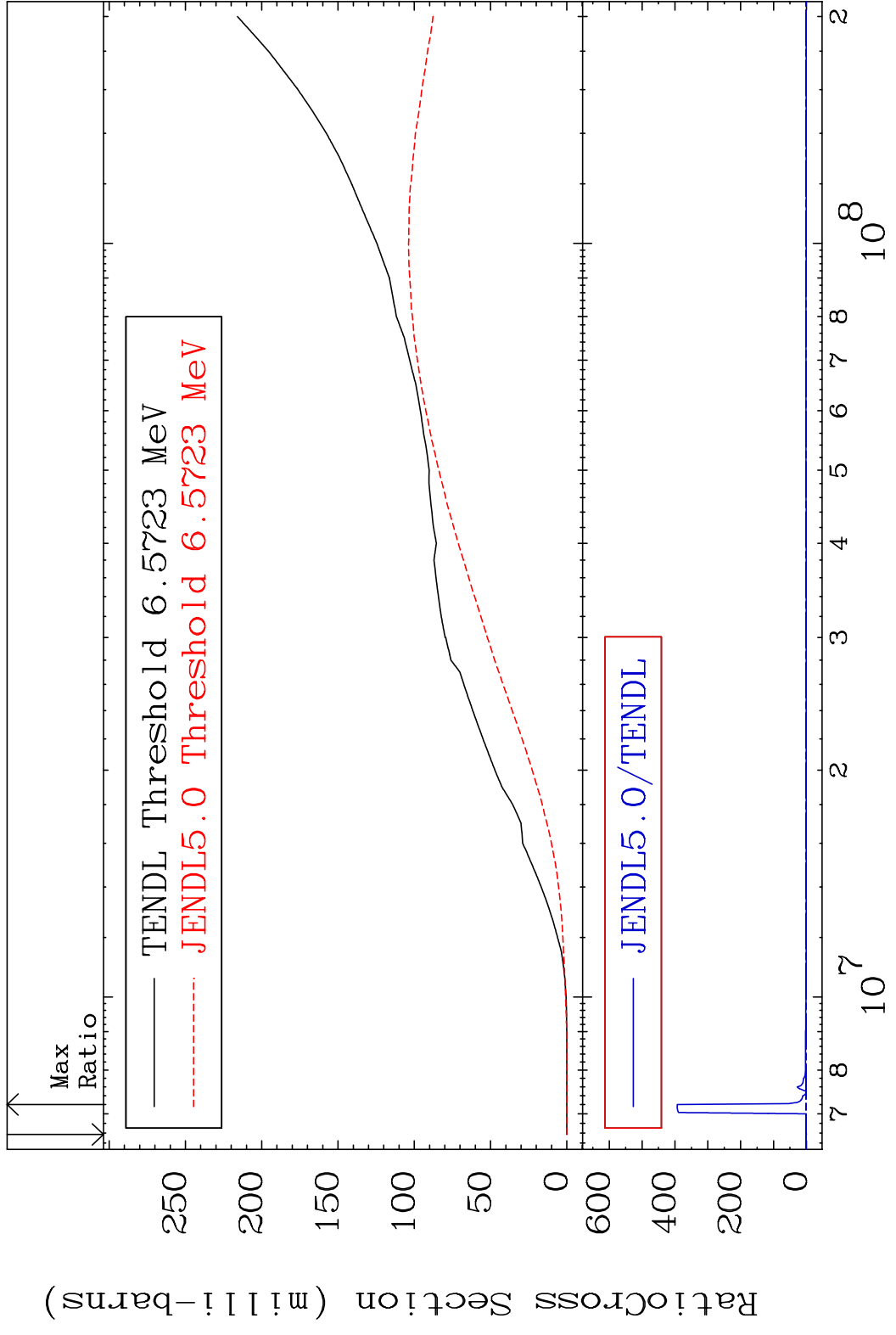
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

38

Incident Energy (eV)

22-Ti-44

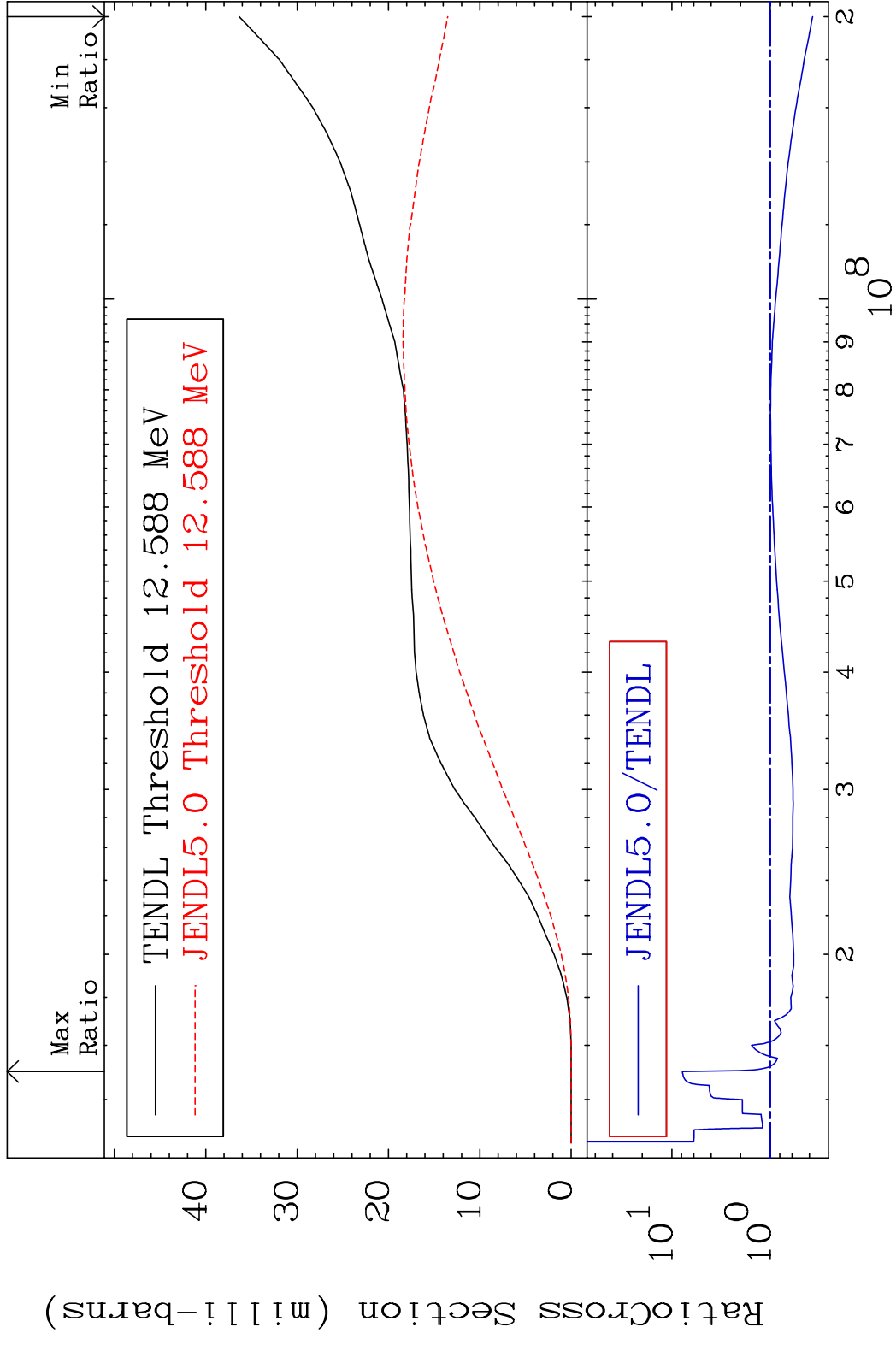
MAT 2219 Deuterium Production <sup>22</sup>Ti-44  
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) <sup>22</sup>Ti-44

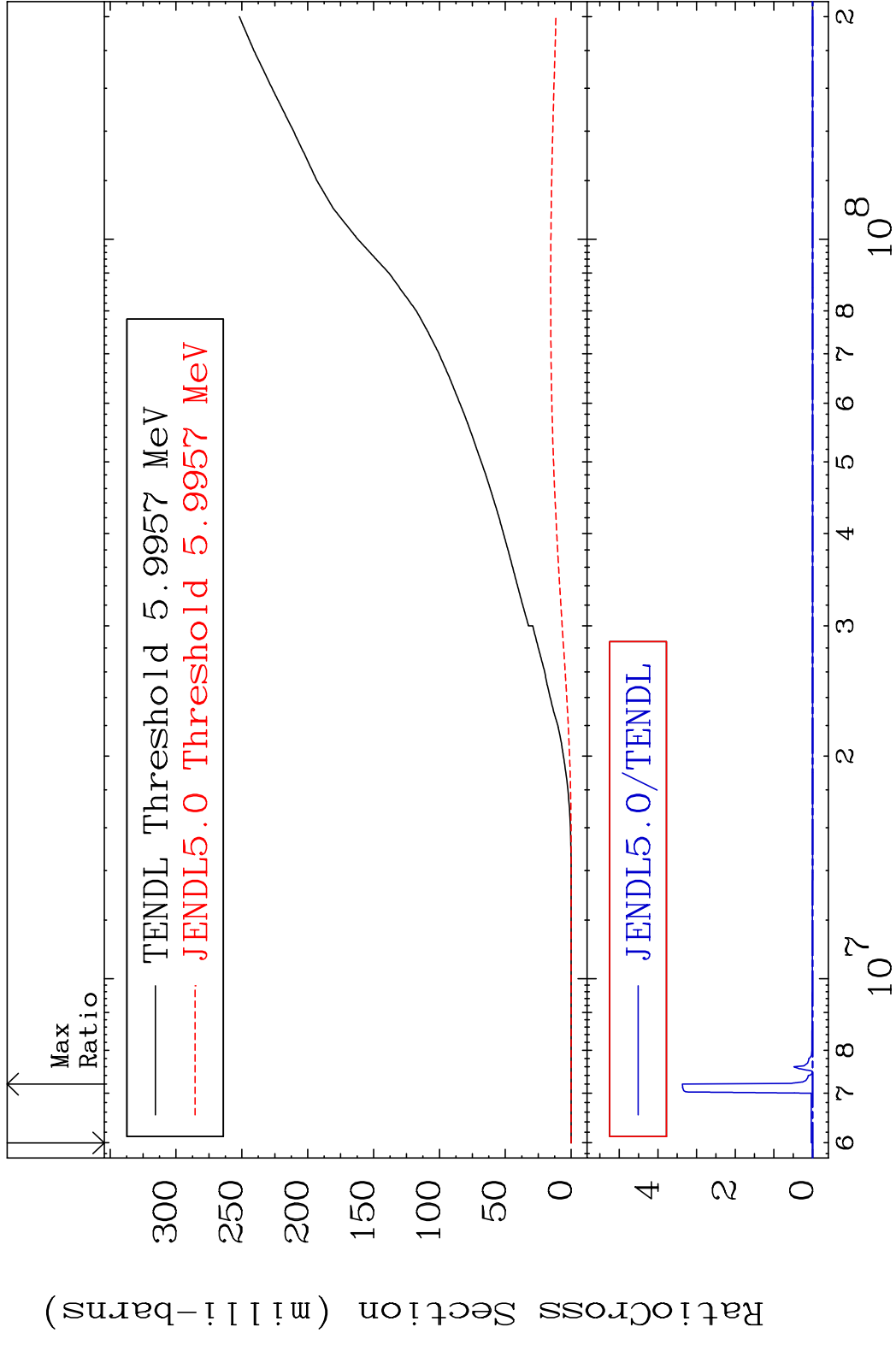


MAT 2219 Tritium Production 22-Ti-44  
 Cross Section -62.79 To 682.1 %



40 Incident Energy (eV) 22-Ti-44

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

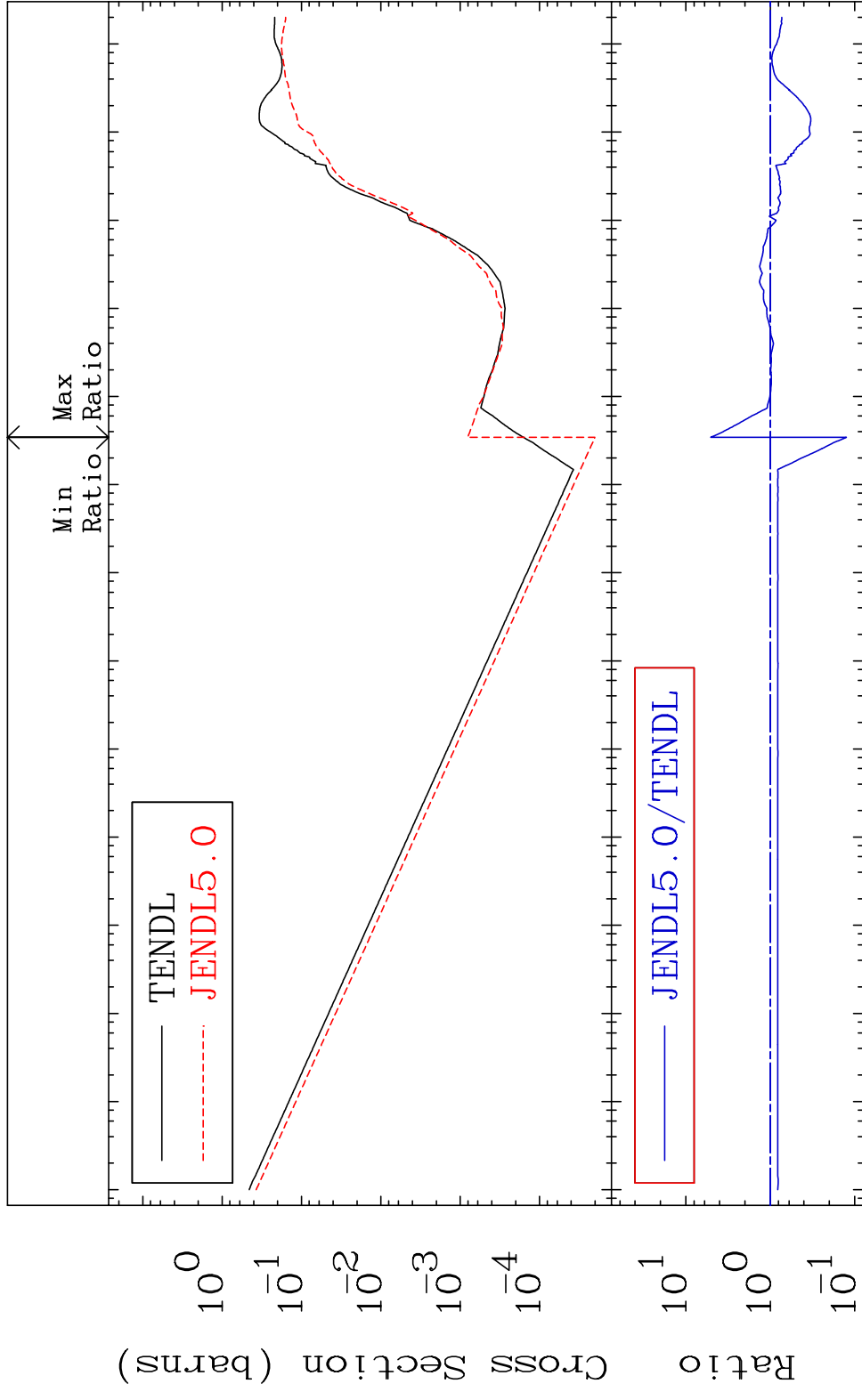


MAT 2219

He-4 Production

22-Ti-44

Cross Section -87.41 To 407.5 %

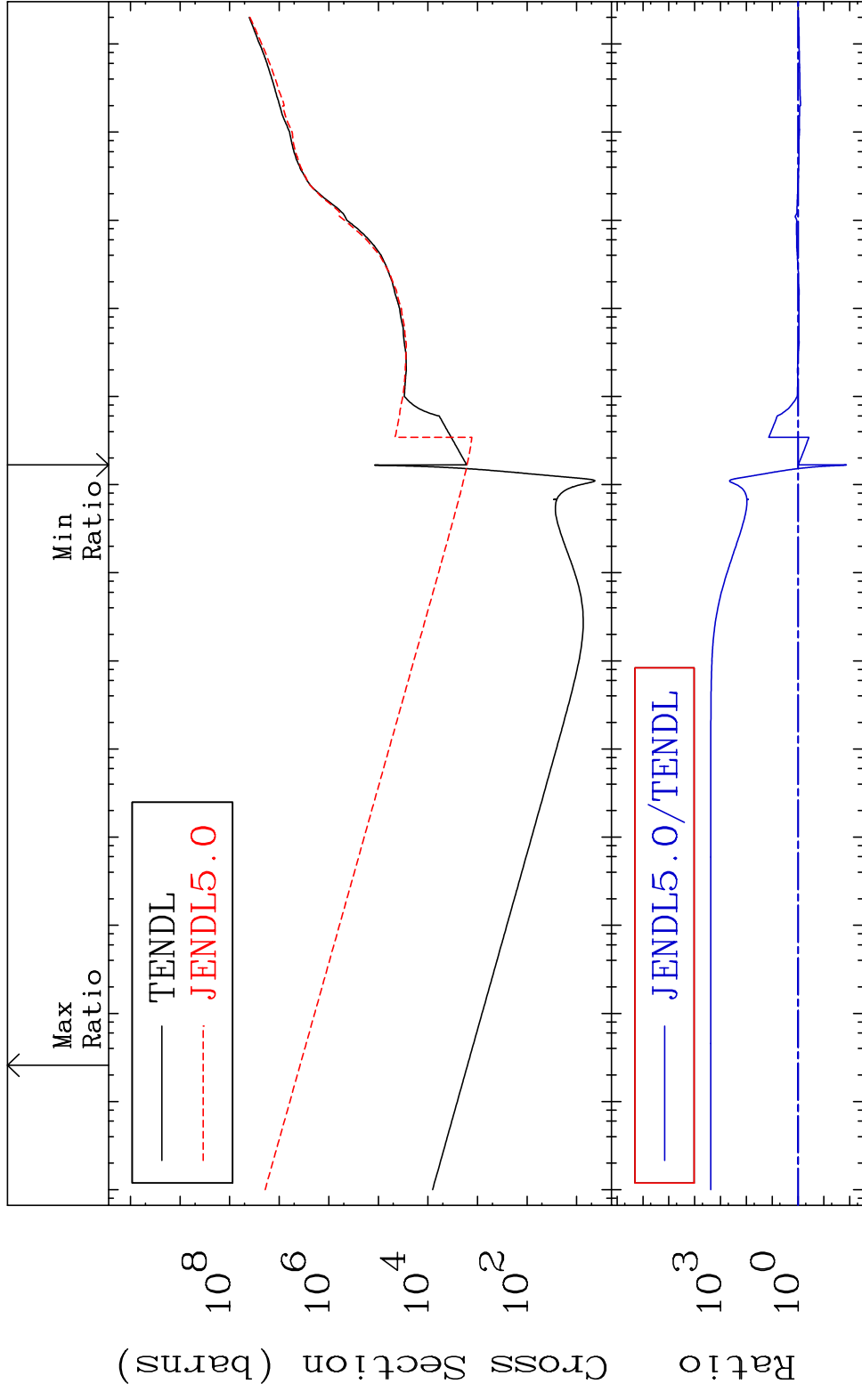


42

Incident Energy (eV)

22-Ti-44

MAT 2219 Kerma total (eV-barns) 22-Ti-44  
 Cross Section -98.64 To 9999. %



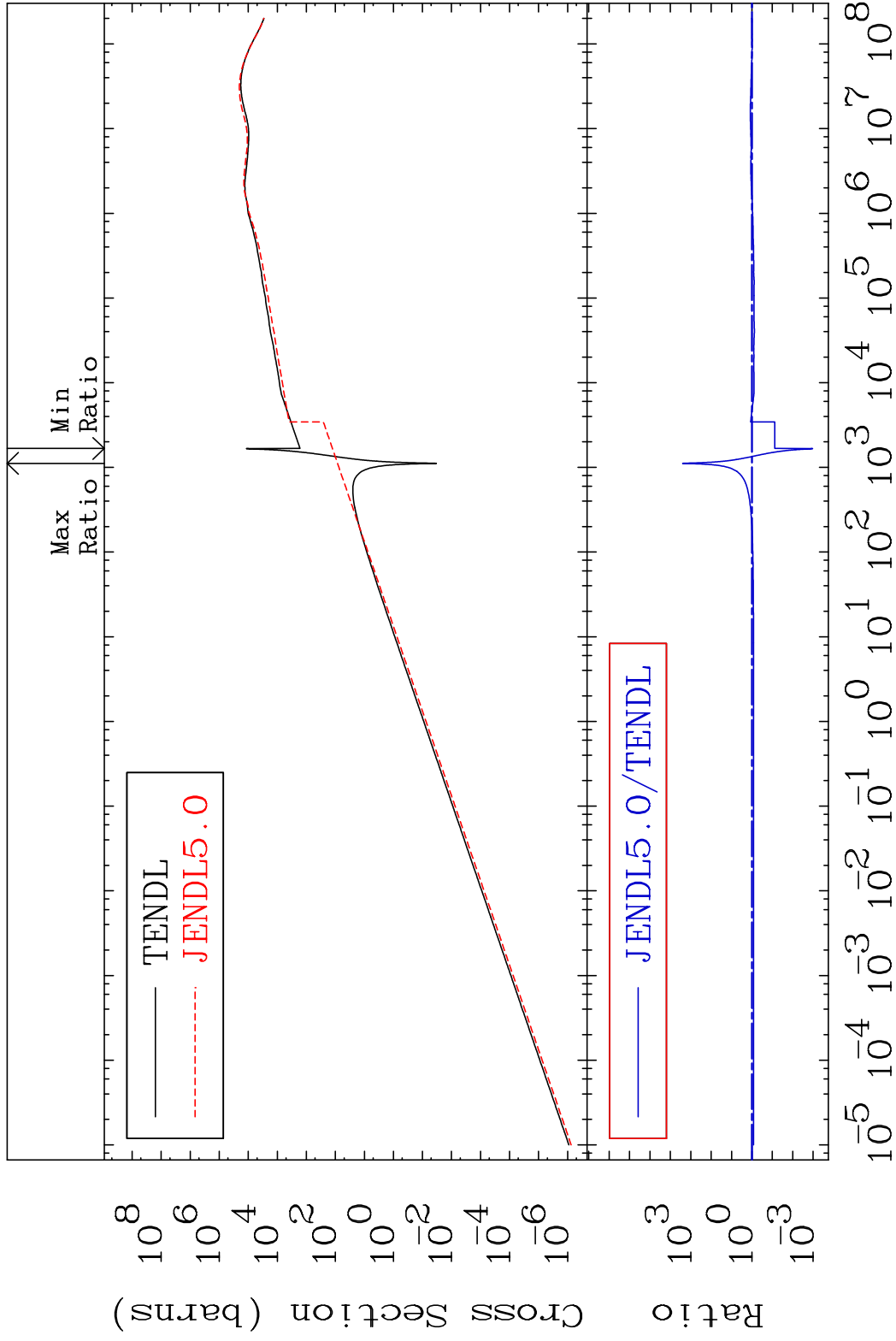
43 Incident Energy (eV) 22-Ti-44

MAT 2219

Kerma elastic

22-Ti-44

Cross Section -99.89 To 9999. %

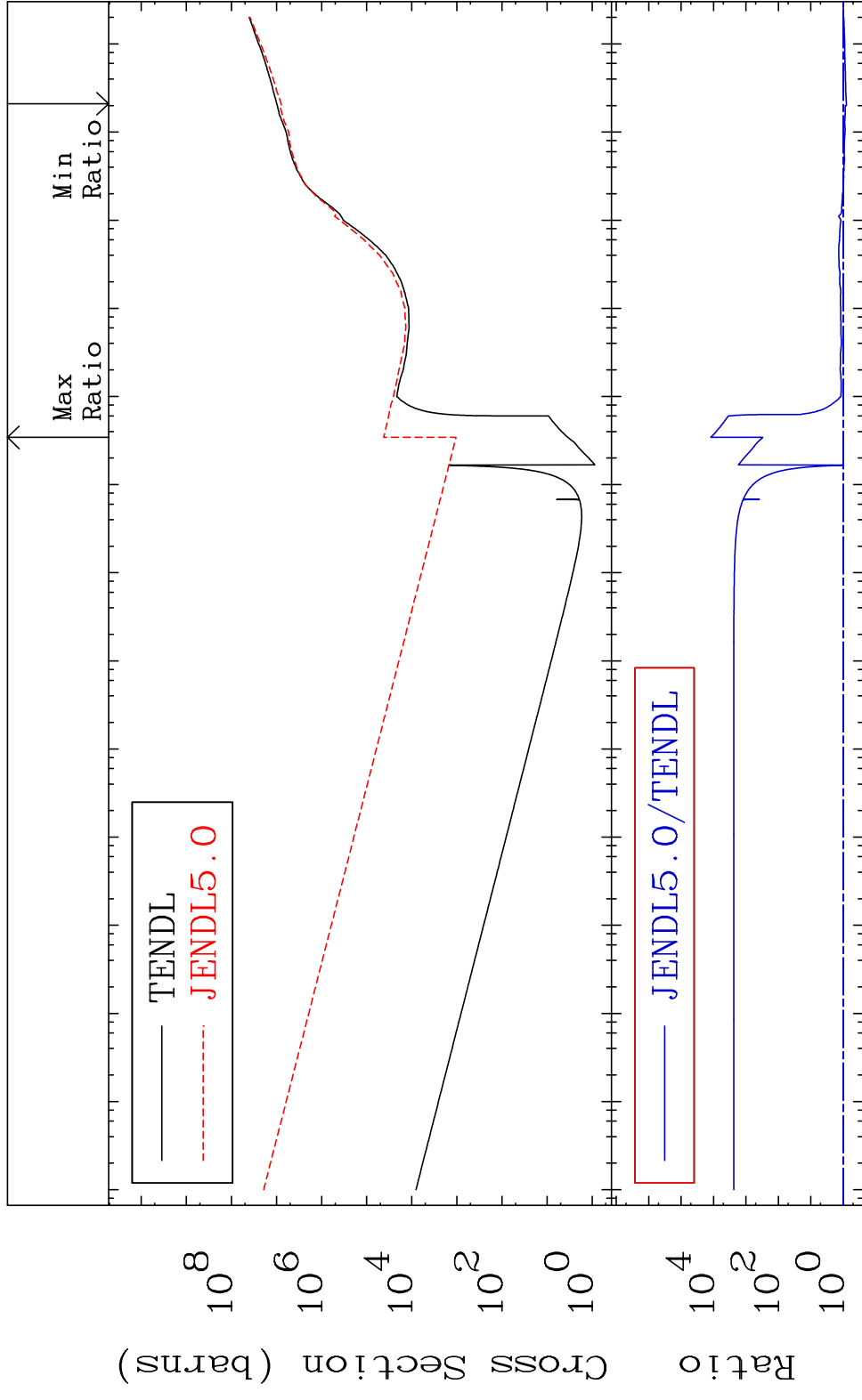


44

Incident Energy (eV)

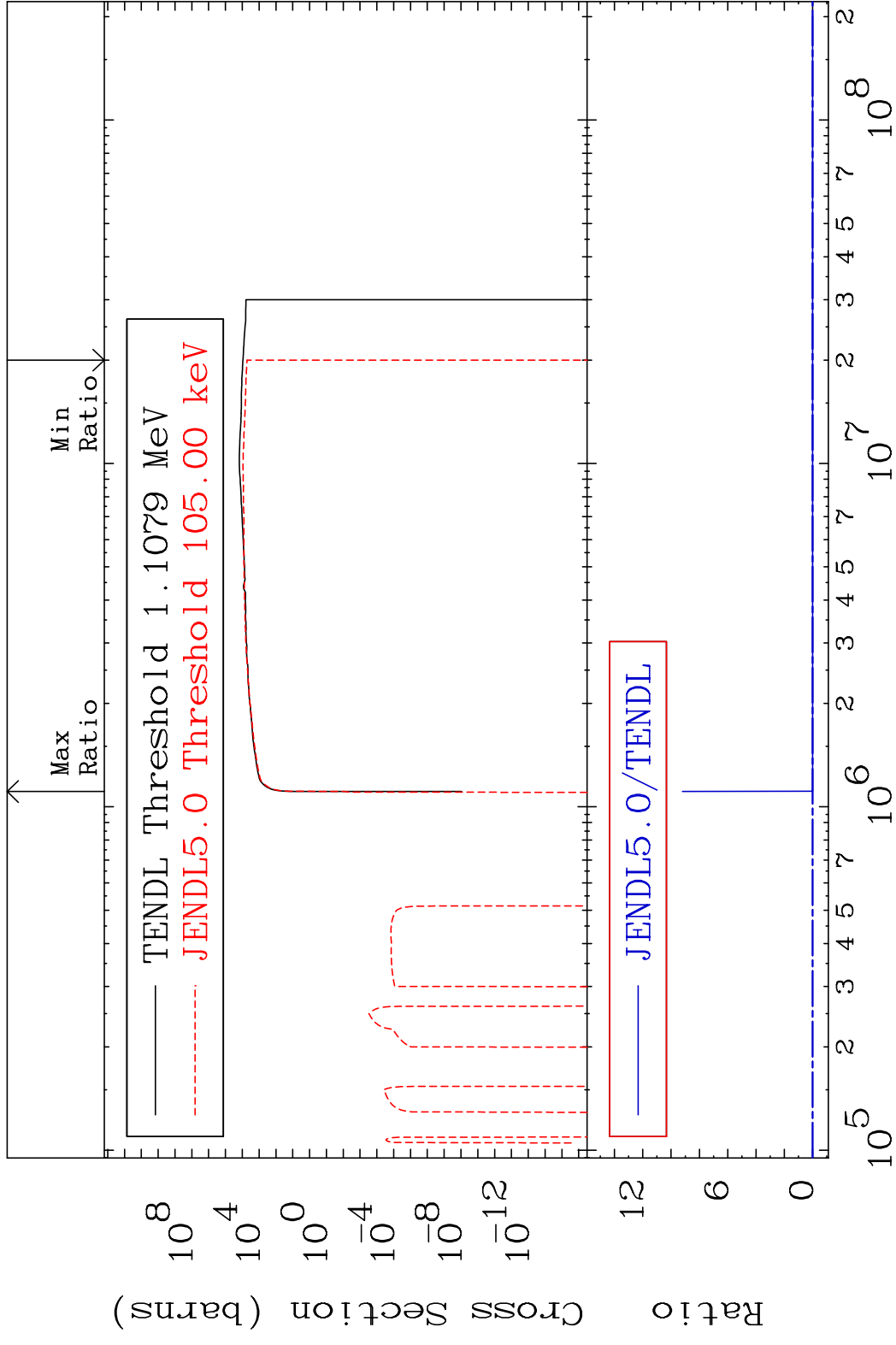
22-Ti-44

MAT 2219 Kerma non-elastic (all but mt2) 22-Ti-44  
 Cross Section -19.65 To 9999. %



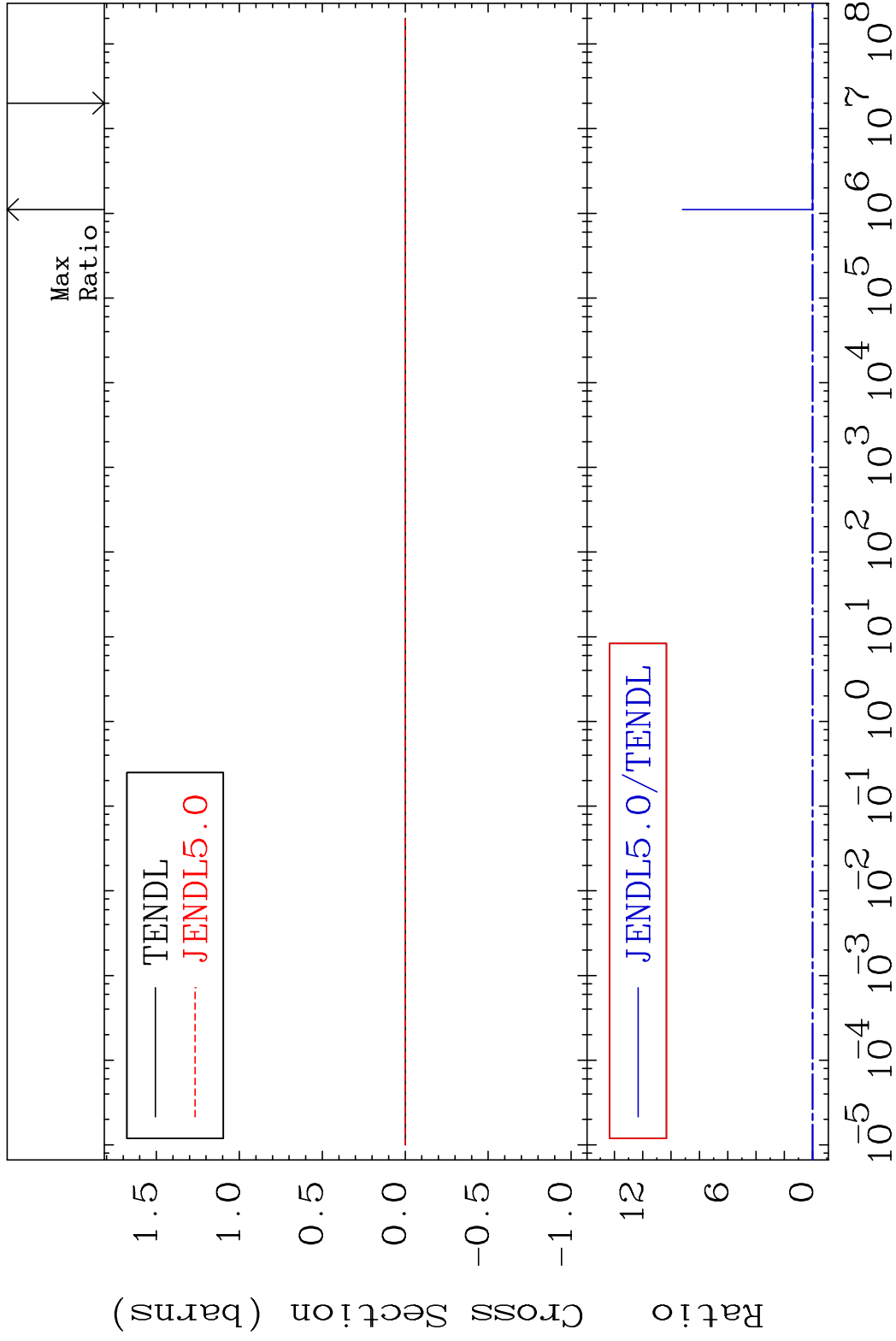
45 Incident Energy (eV) 22-Ti-44

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



46 Incident Energy (eV) 22-Ti-44

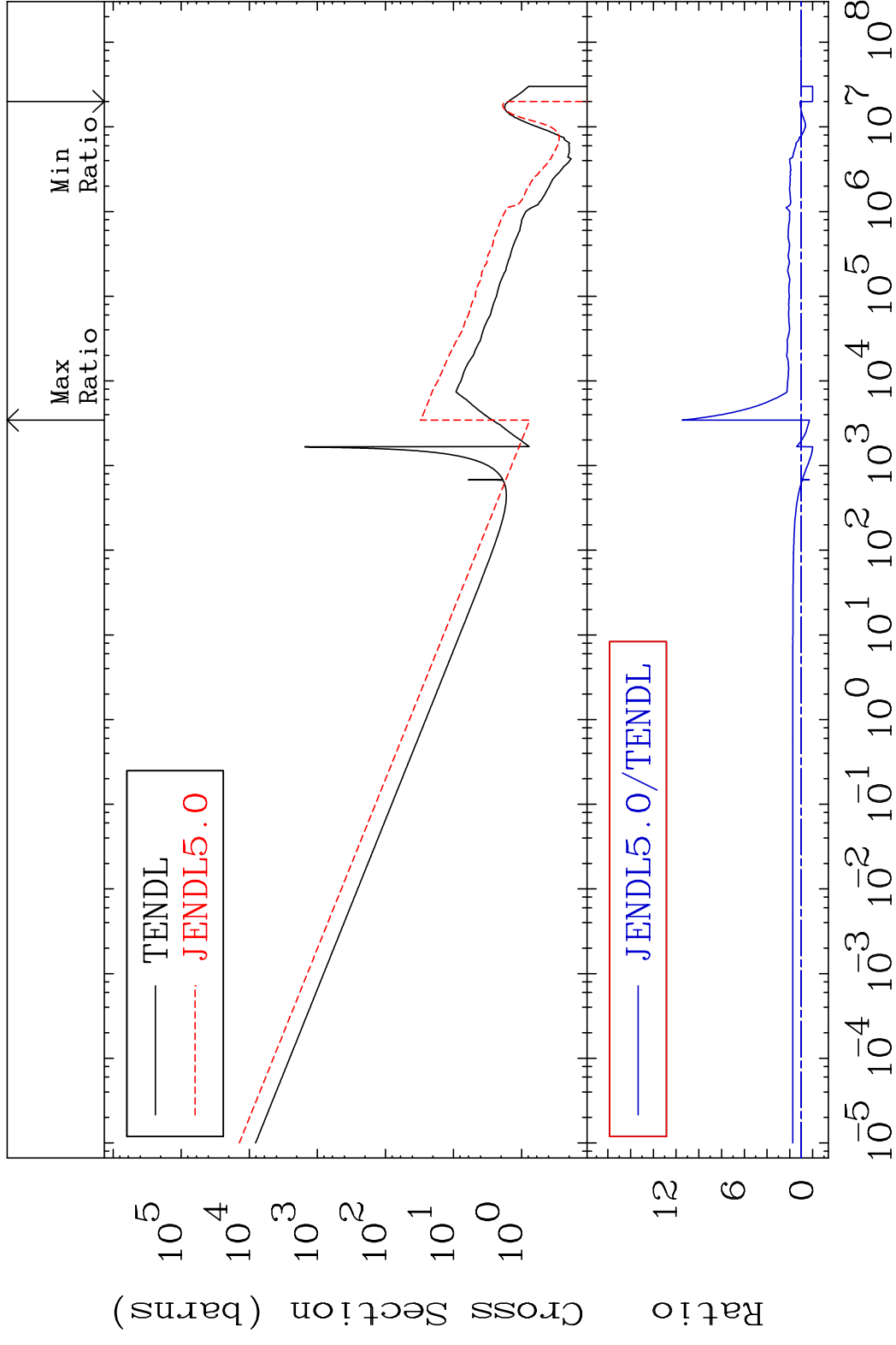
MAT 2219 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-44  
 Cross Section -100.0 To 9999. %





MAT 2219

Kerma capture (mt102)  $^{22}\text{Ti-44}$   
Cross Section -100.0 To 1045. %

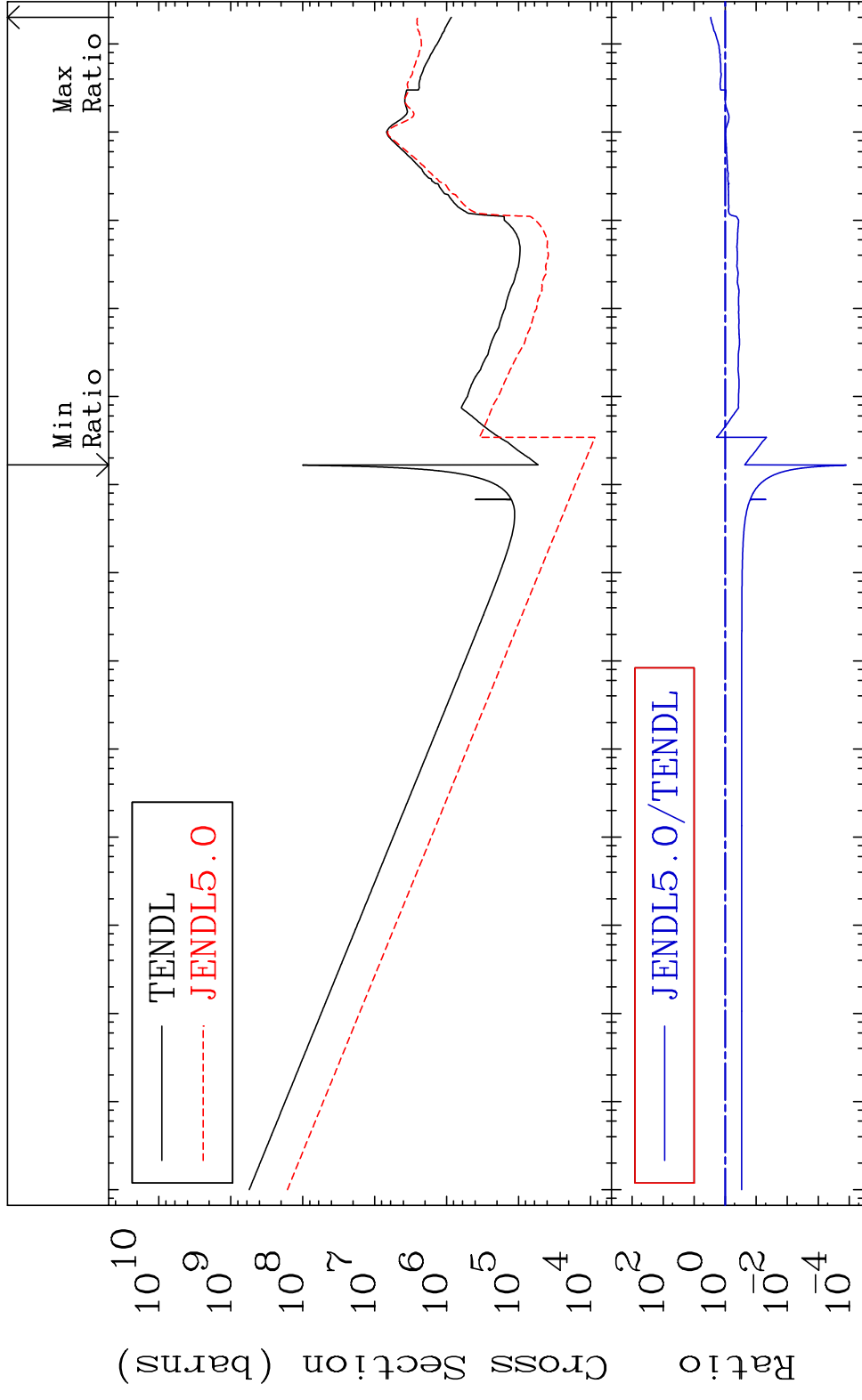


48

Incident Energy (eV)

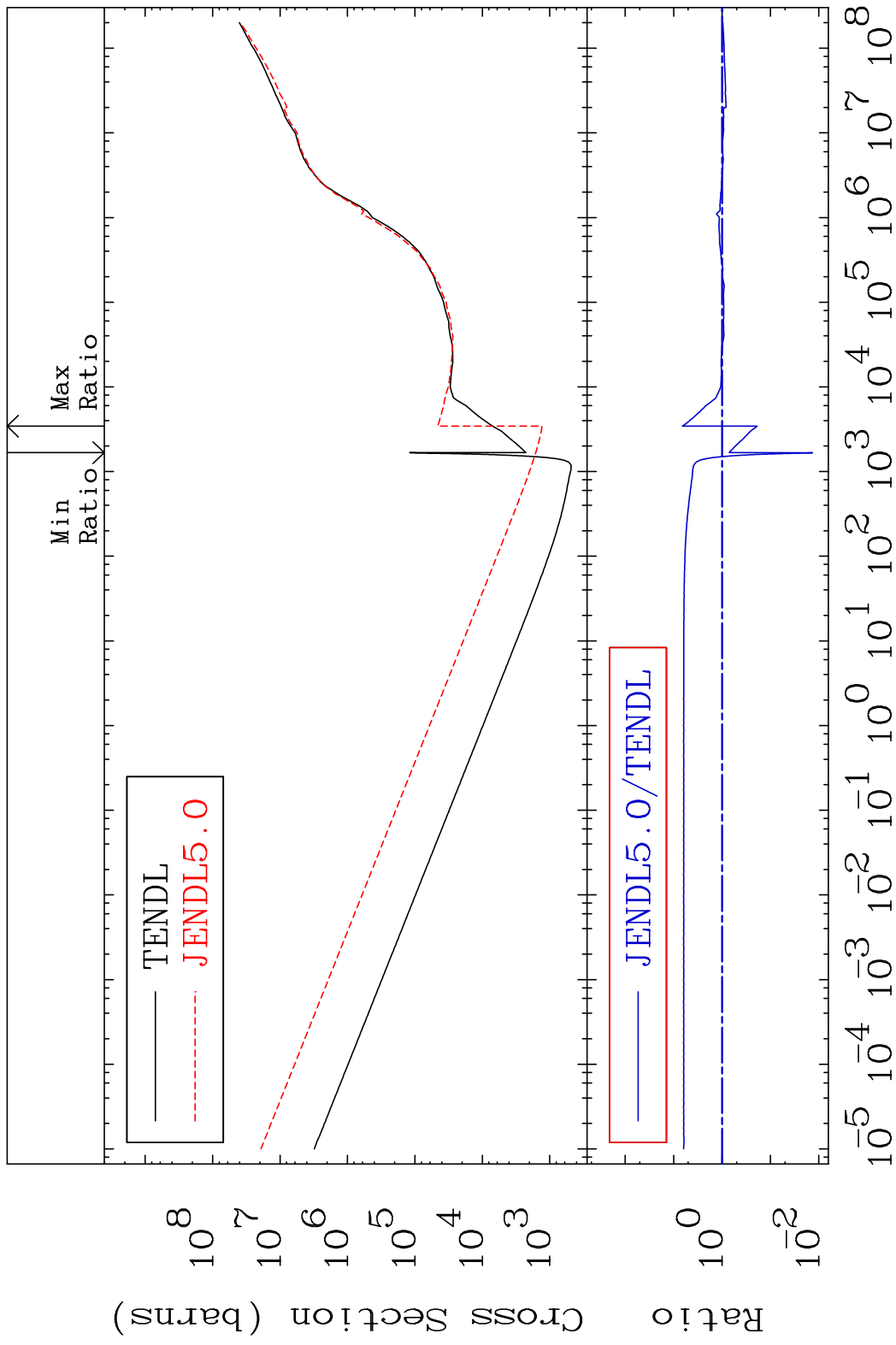
$^{22}\text{Ti-44}$

MAT 2219 Total photon (eV-barns) 22-Ti-44  
 Cross Section -99.99 To 192.8 %



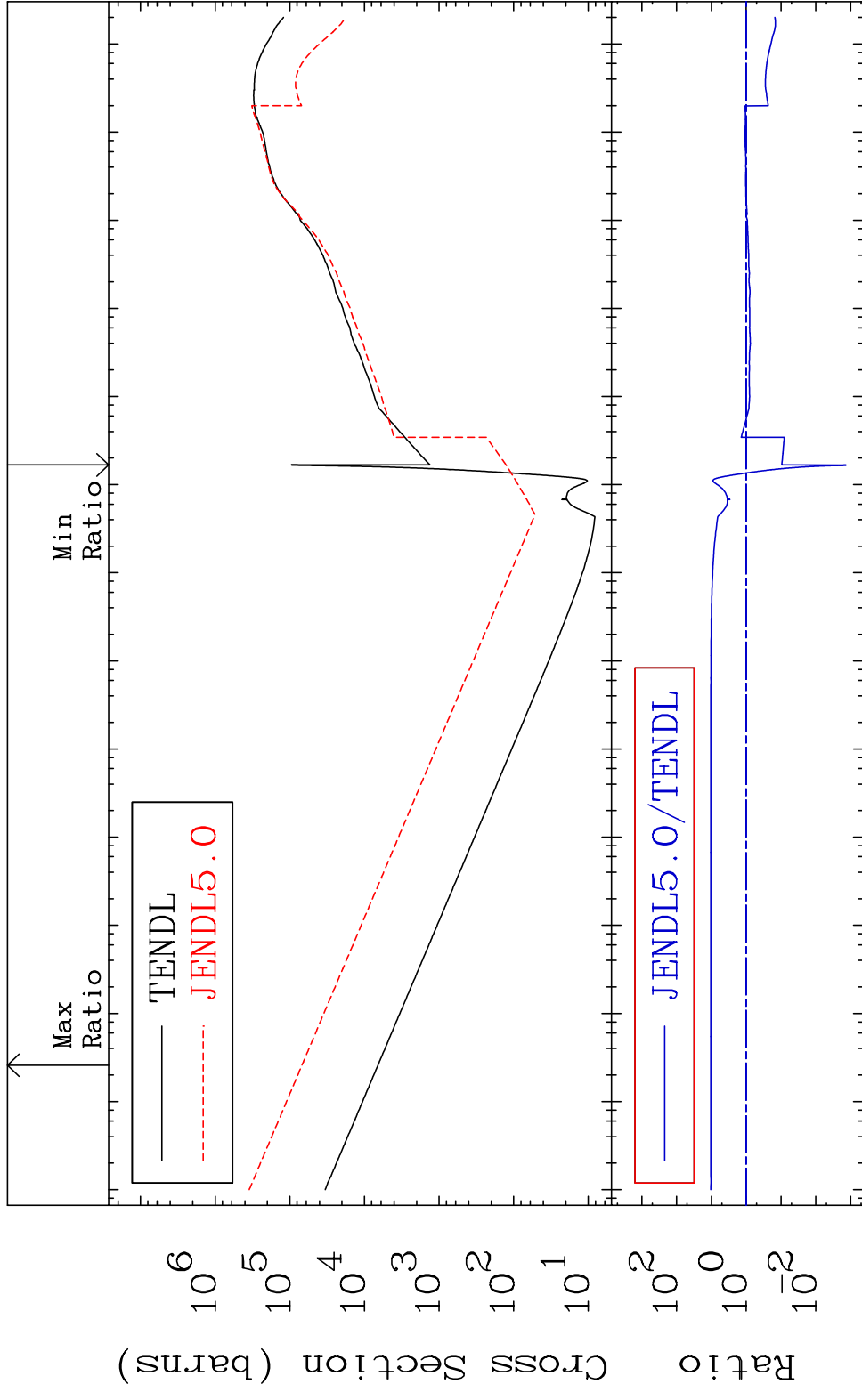
49 Incident Energy (eV) 22-Ti-44

MAT 2219 Total kinematic kerma (high limit) 22-Ti-44  
 Cross Section -98.65 To 560.3 %



50 Incident Energy (eV) 22-Ti-44

MAT 2219      Dpa total (eV-barns)      22-Ti-44  
 Cross Section      -99.87 To 945.8 %

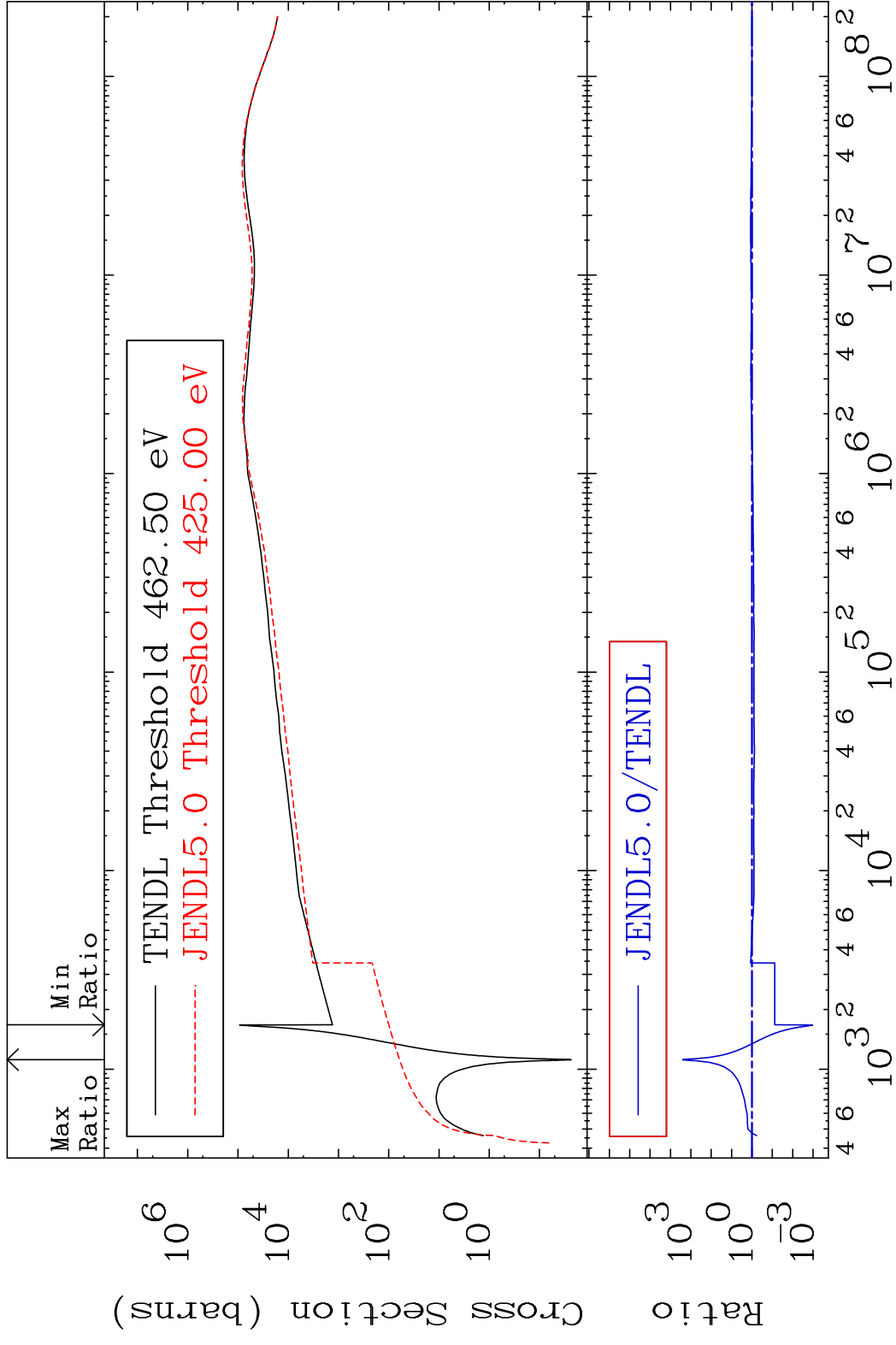


MAT 2219

Dpa elastic (mt2)

22-Ti-44

Cross Section -99.89 To 9999. %

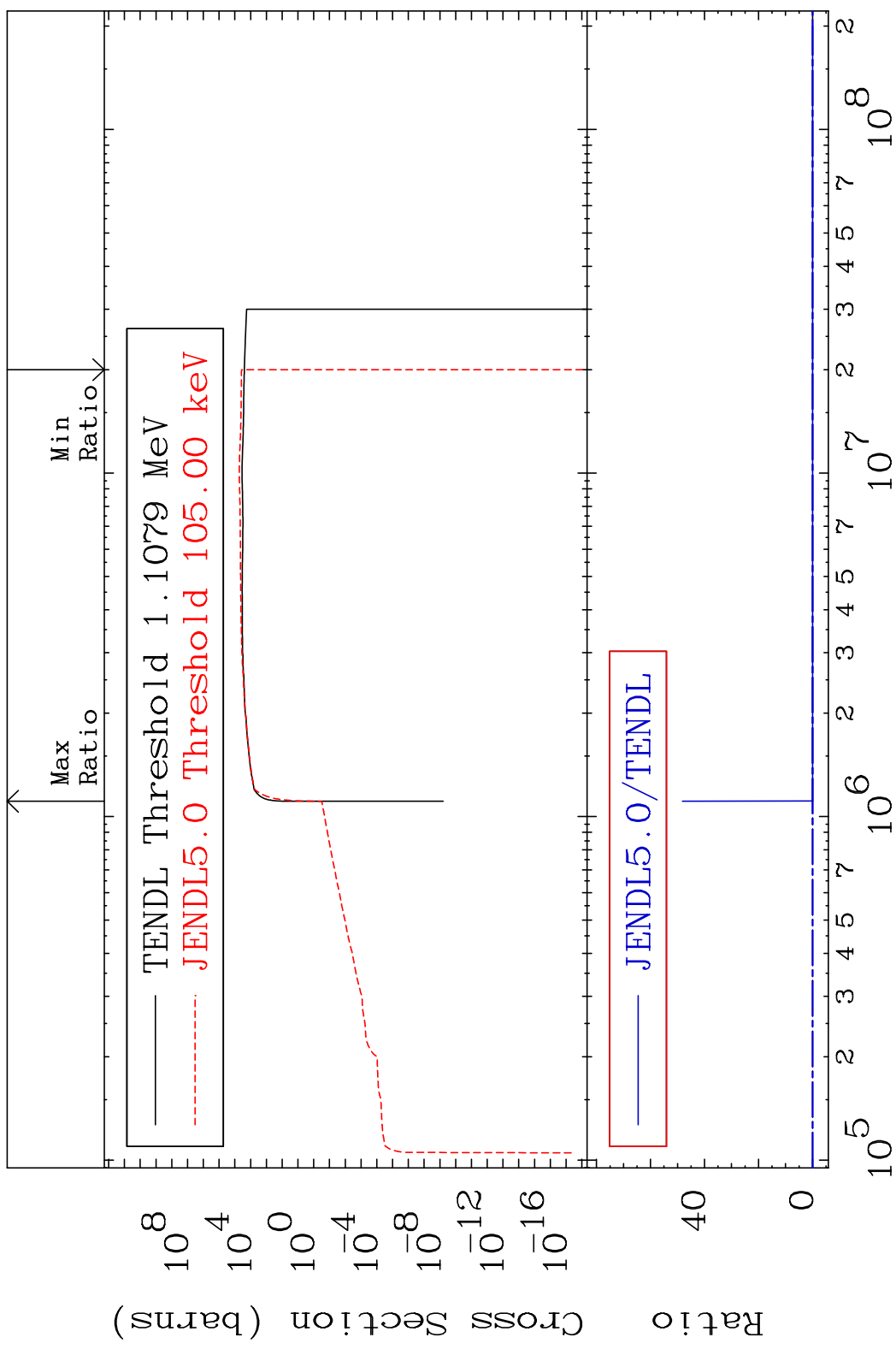


MAT 2219

Dpa inelastic (mt51-91)

22-Ti-44

Cross Section -100.0 To 9999. %

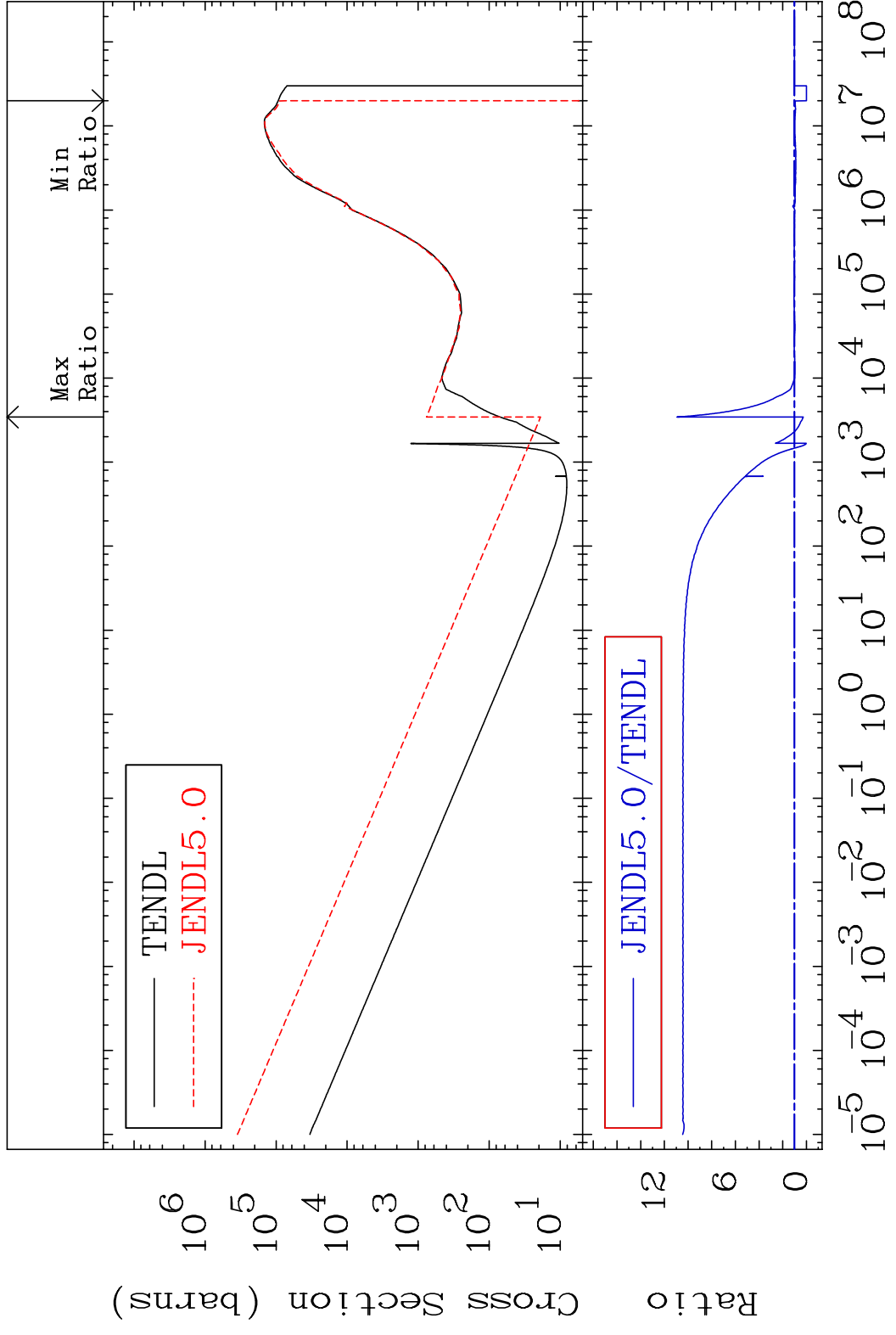


53

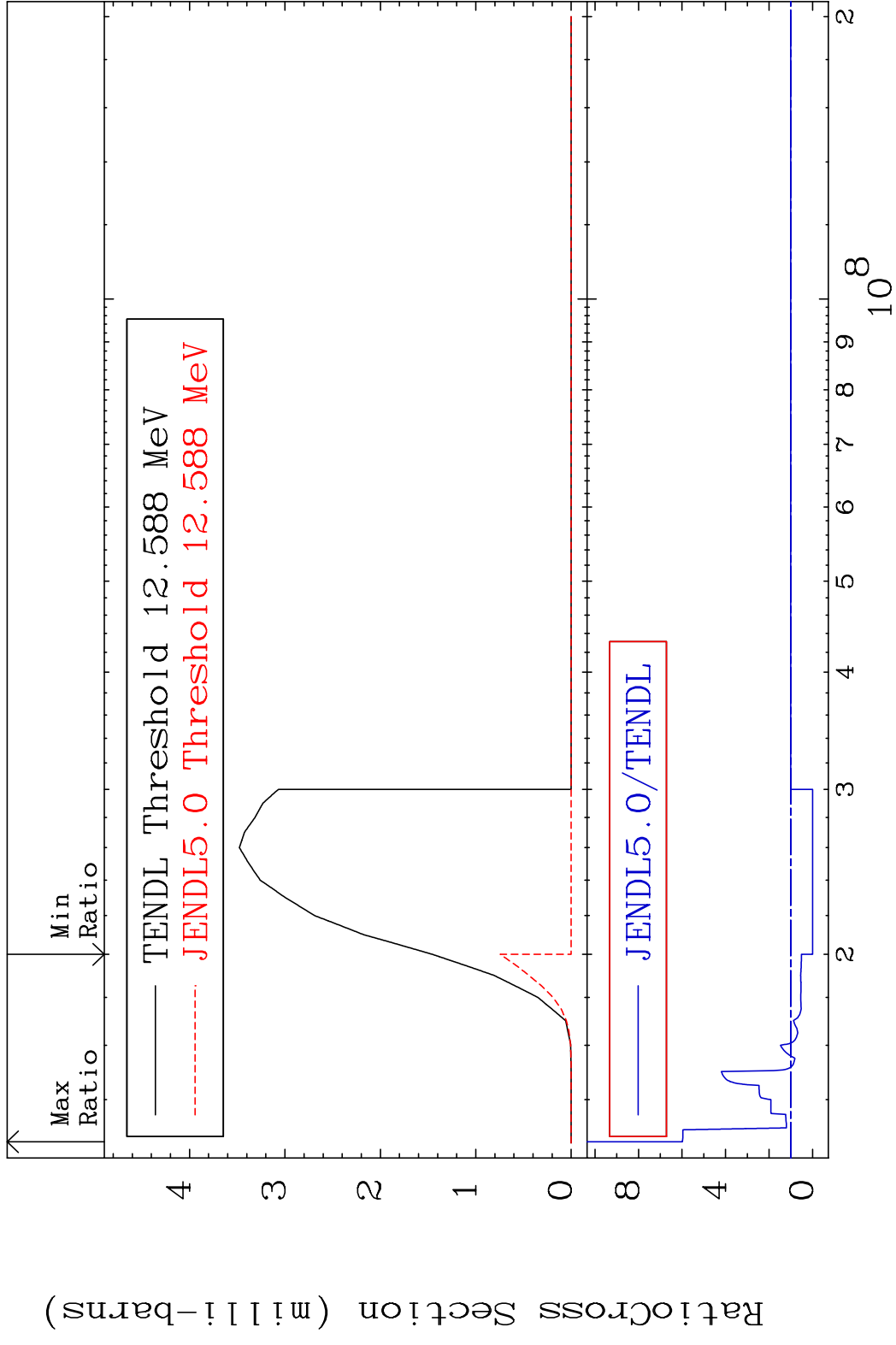
Incident Energy (eV)

22-Ti-44

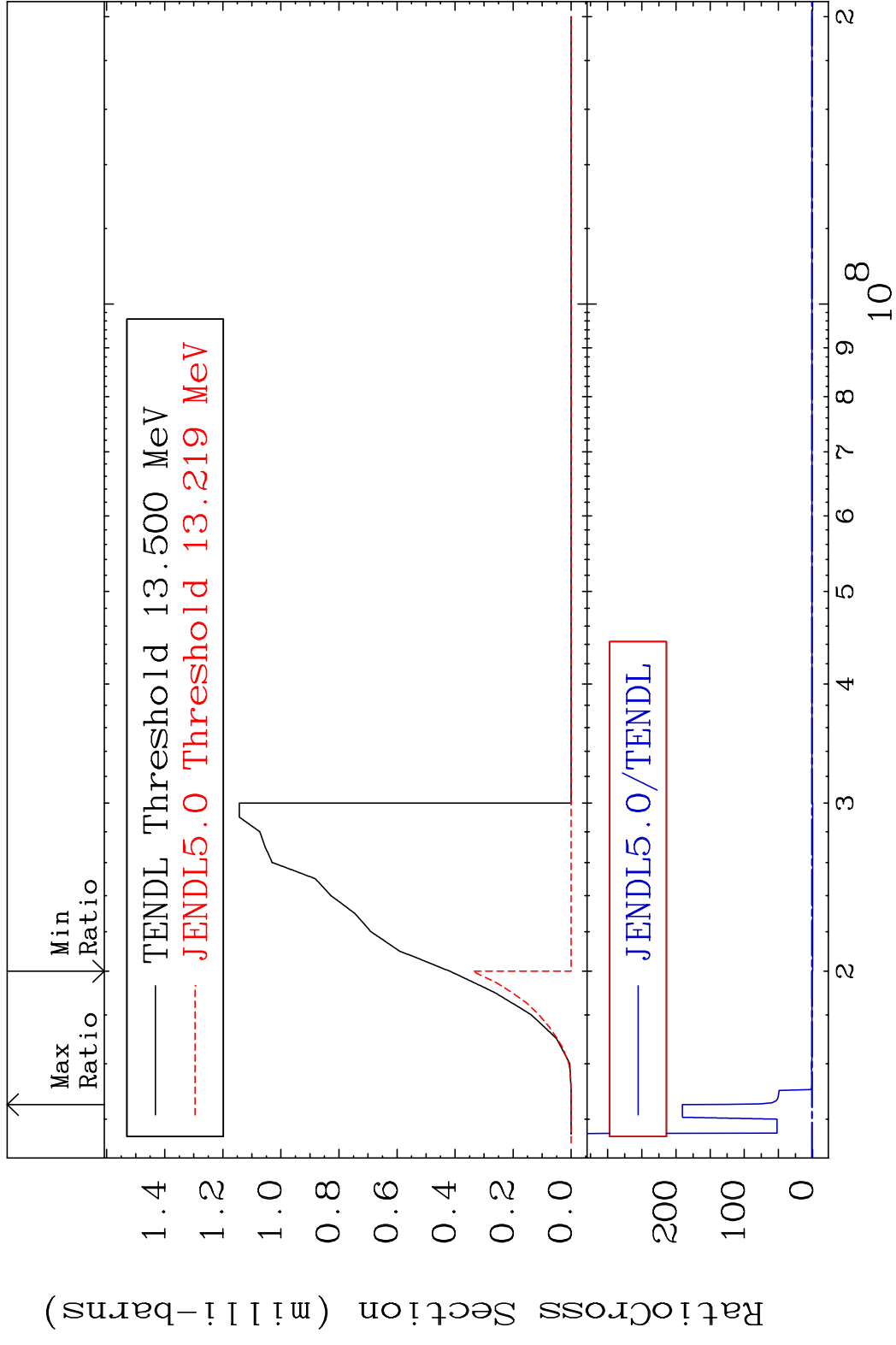
MAT 2219 Dpa disappearance (mt102 -120) 22-Ti-44  
 Cross Section -100.0 To 991.8 %



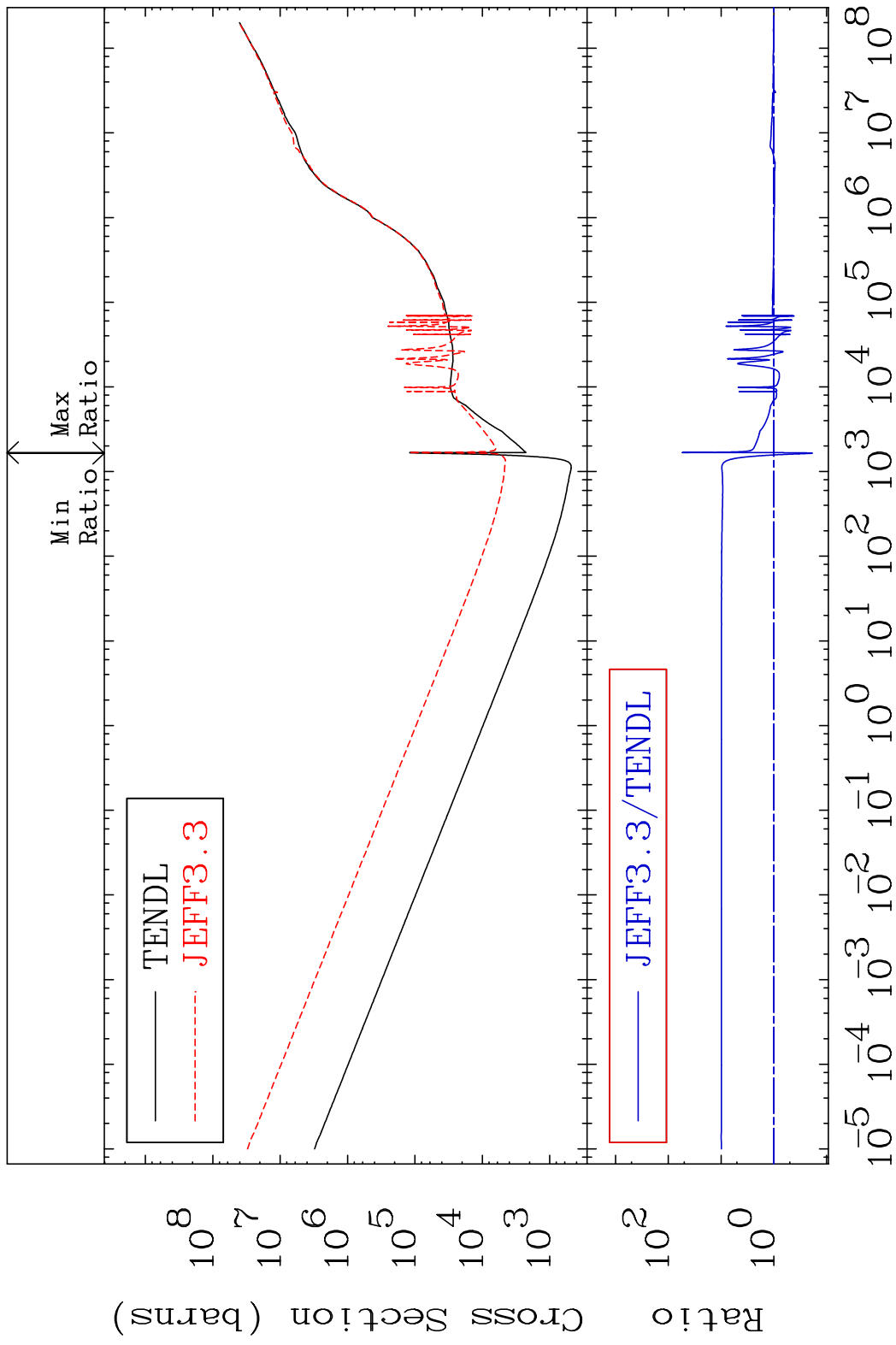
MAT 2219 (n, t):21-Sc-42g 22-Ti-44  
 Radionuclide Production Cross Section 498.5 %



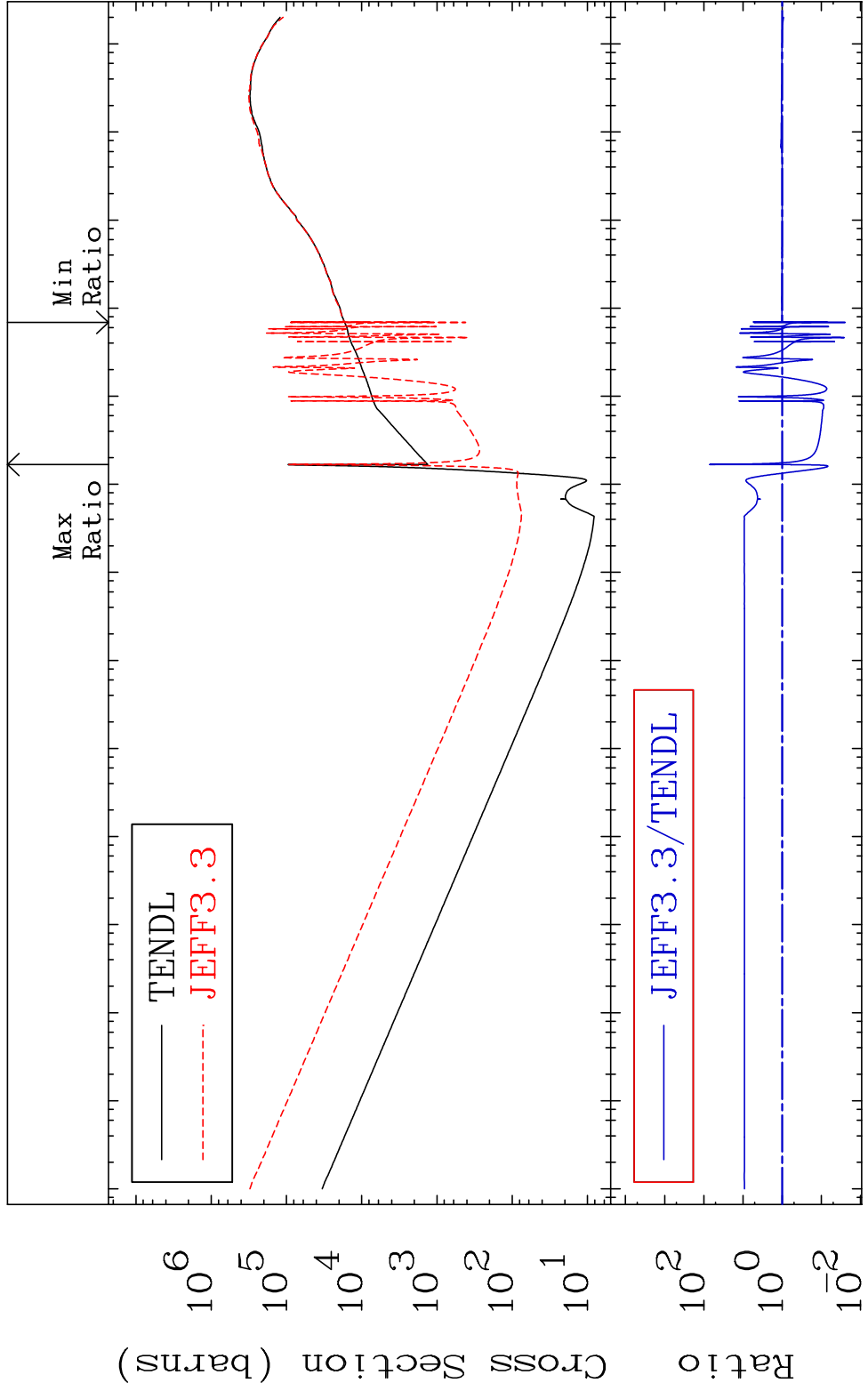




MAT 2219 Total kinematic kerma (high limit) 22-Ti-44  
 Cross Section -81.56 To 5317. %



MAT 2219 Dpa total (eV-barns) 22-Ti-44  
 Cross Section -97.55 To 6937. %

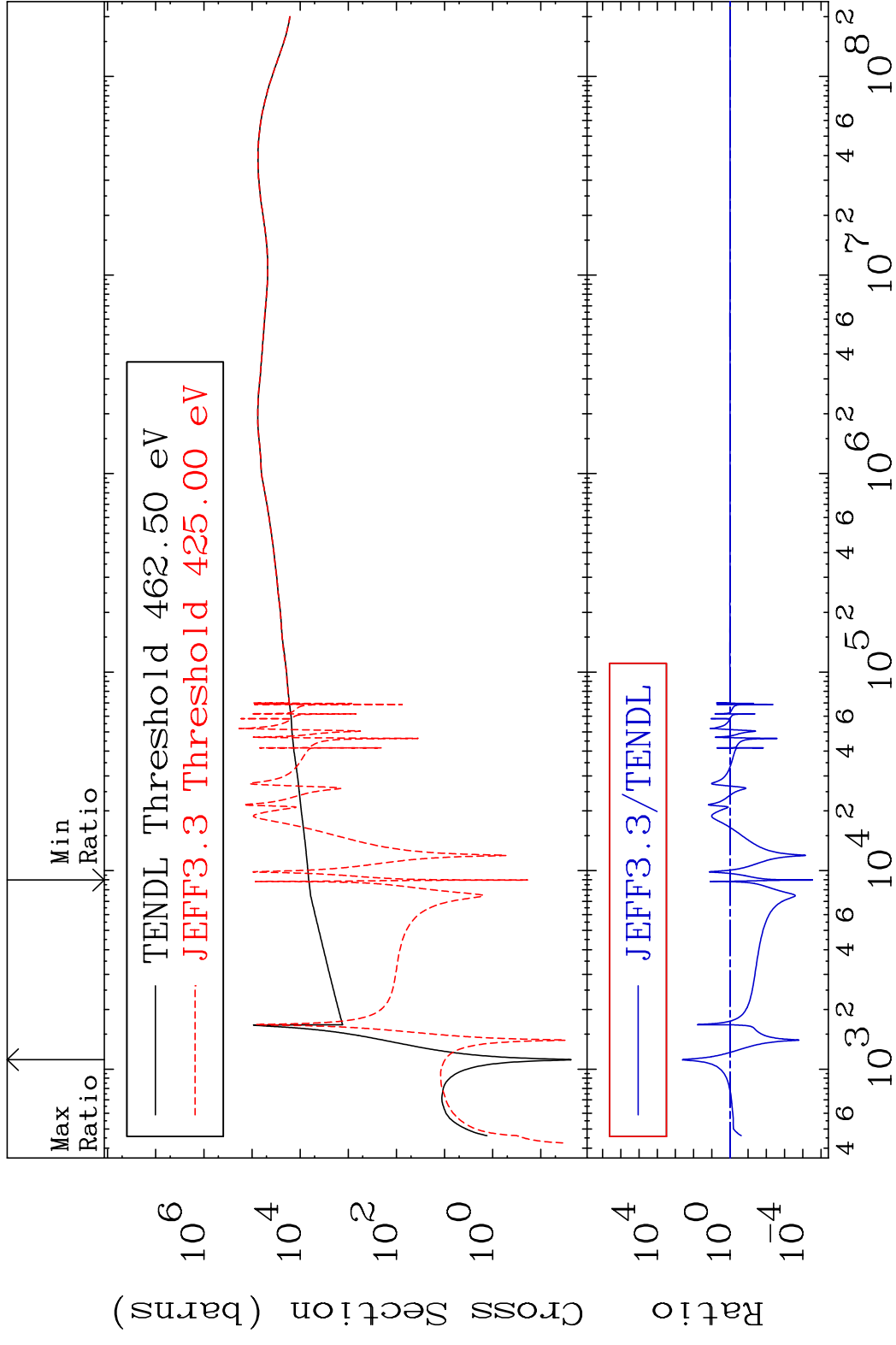


MAT 2219

Dpa elastic (mt2)

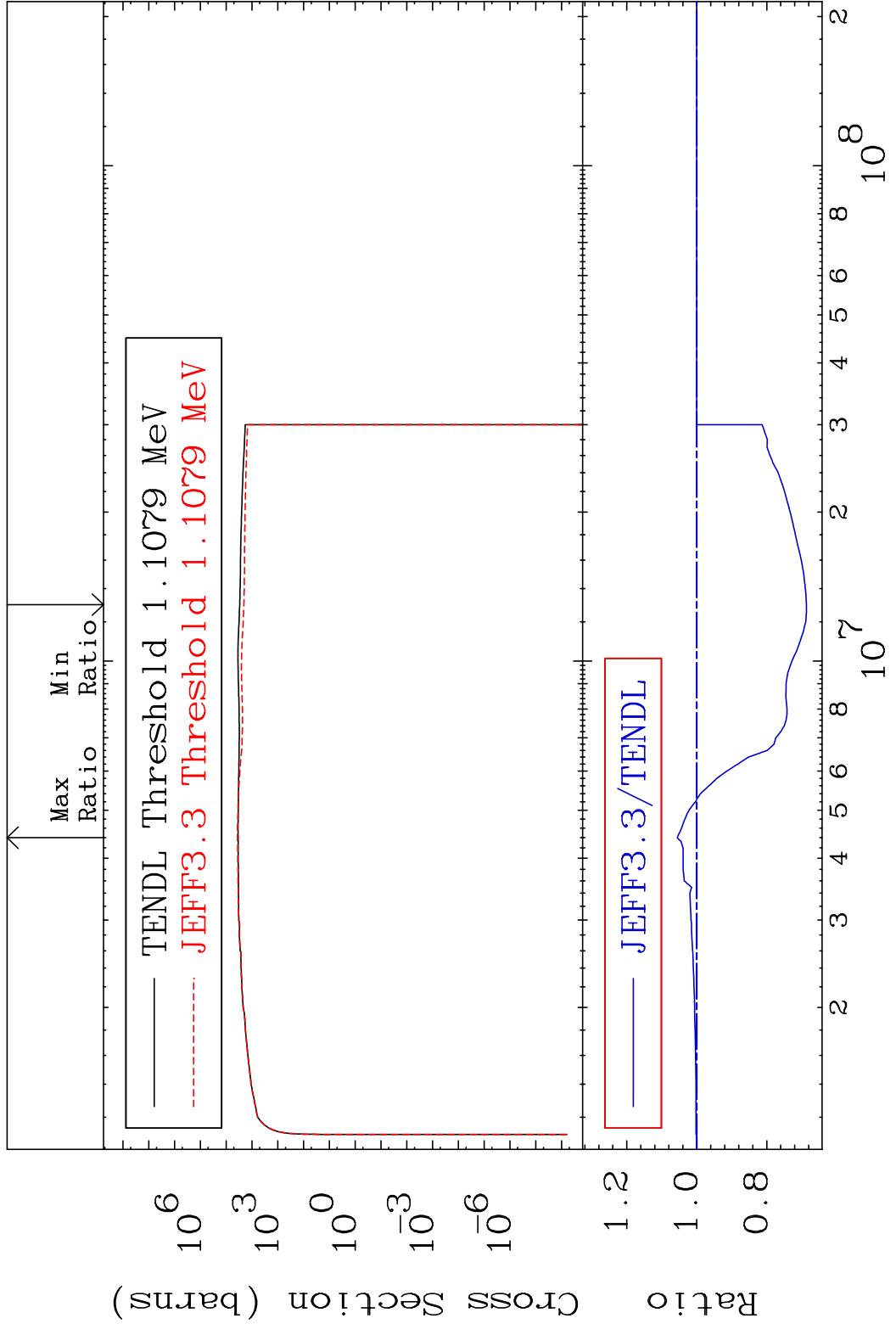
22-Ti-44

Cross Section -100.0 To 9999. %

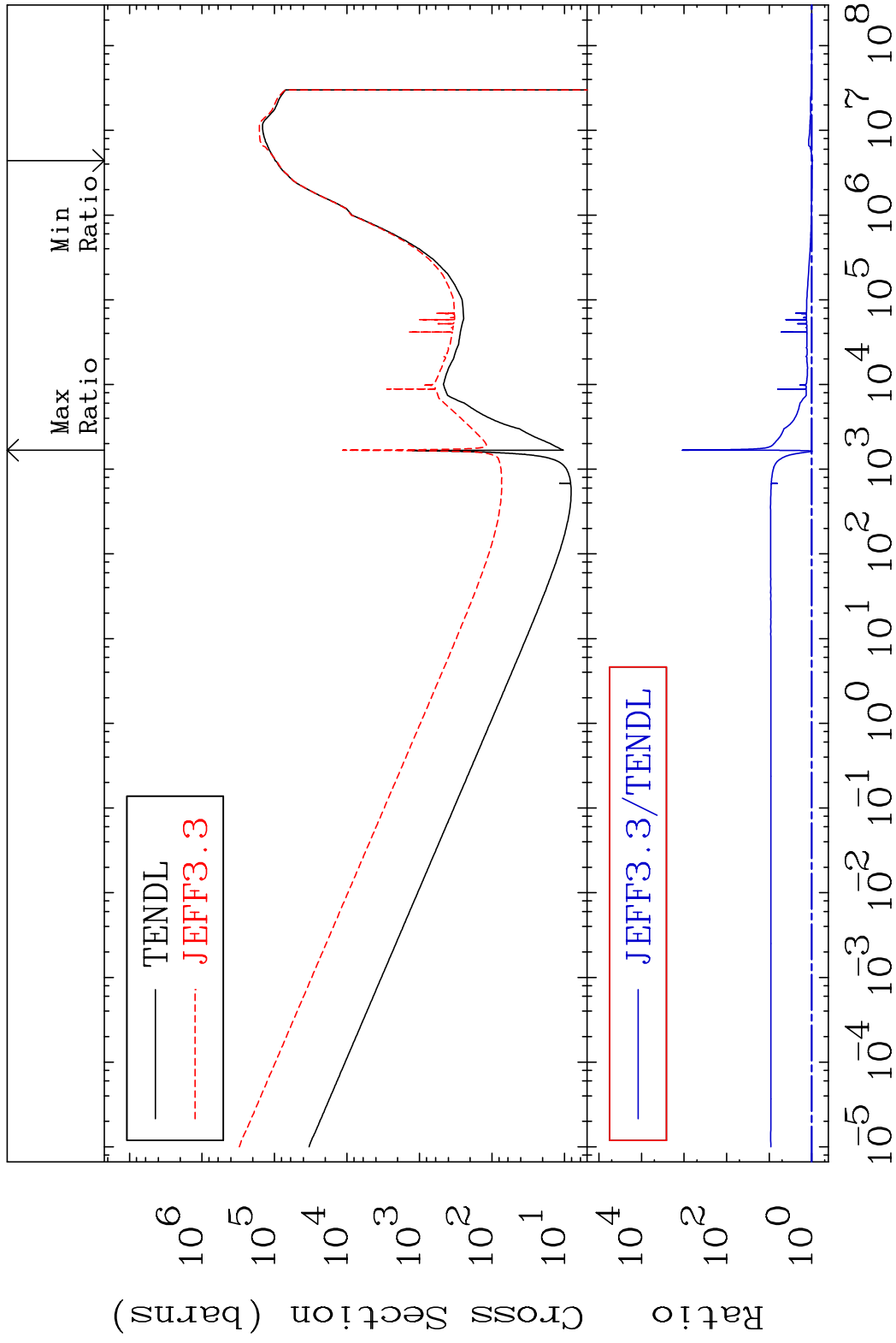


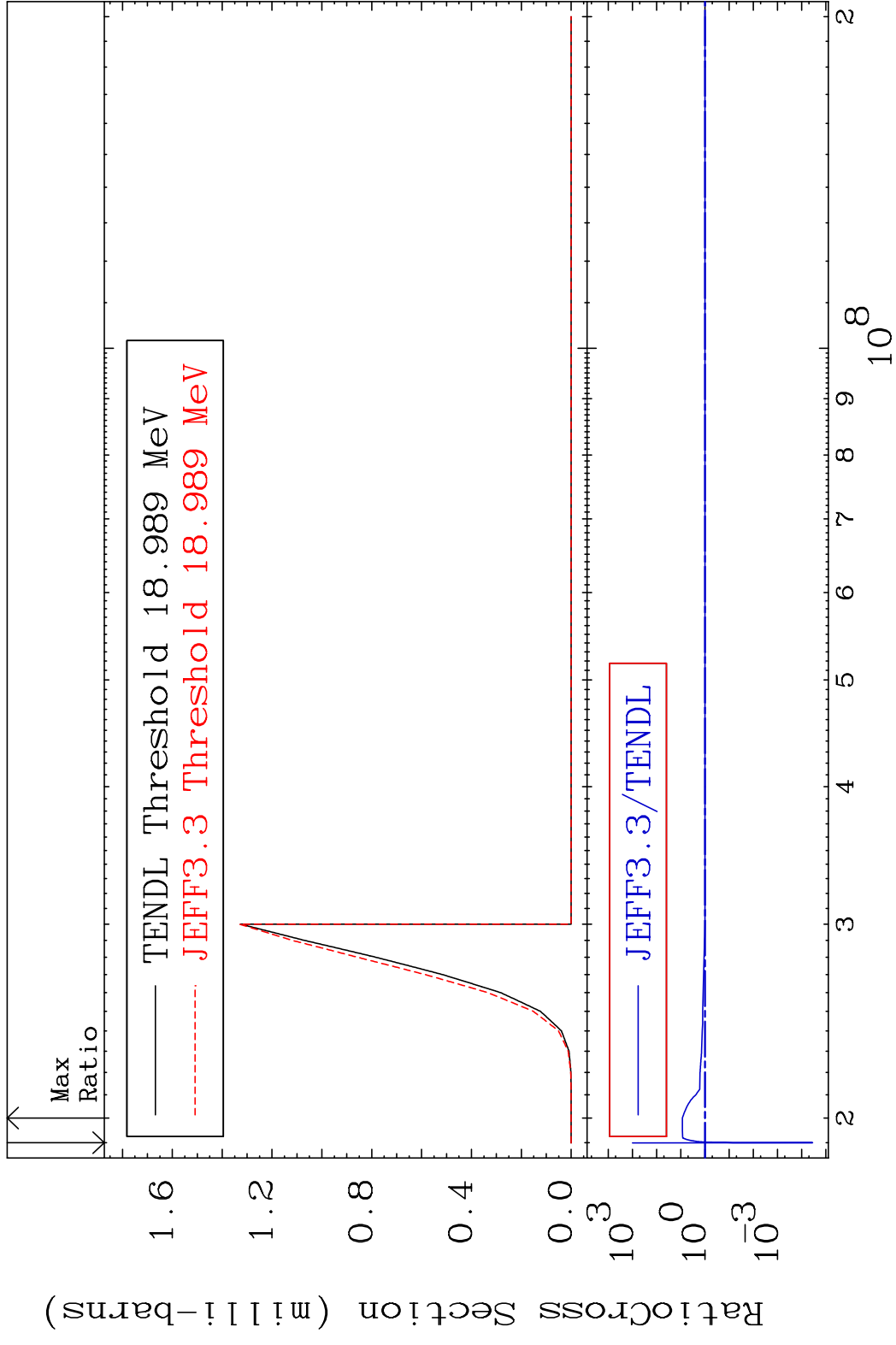
MAT 2219

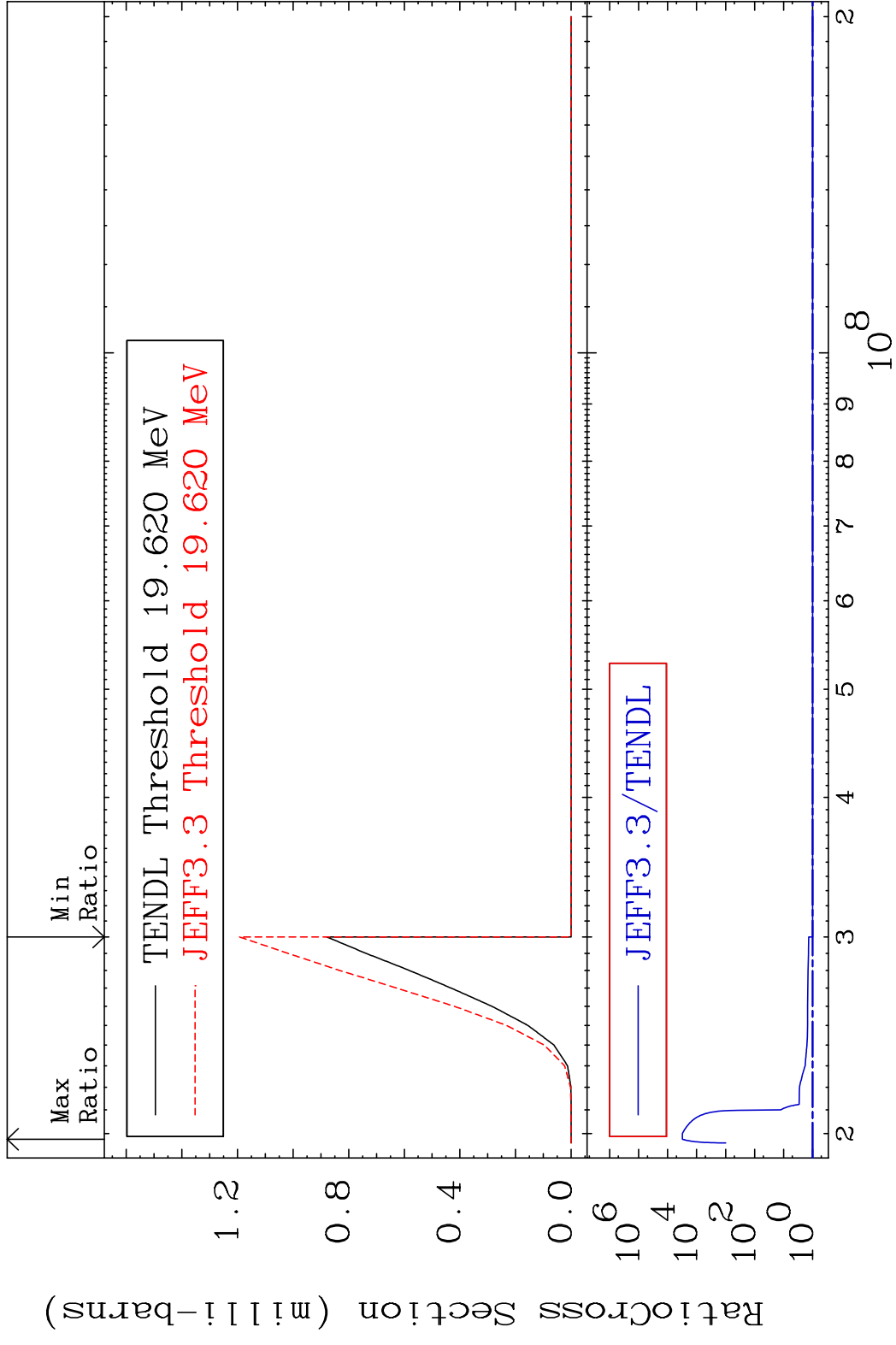
Dpa inelastic (mt51-91) 22-Ti-44  
Cross Section -31.33 To 5.601 %



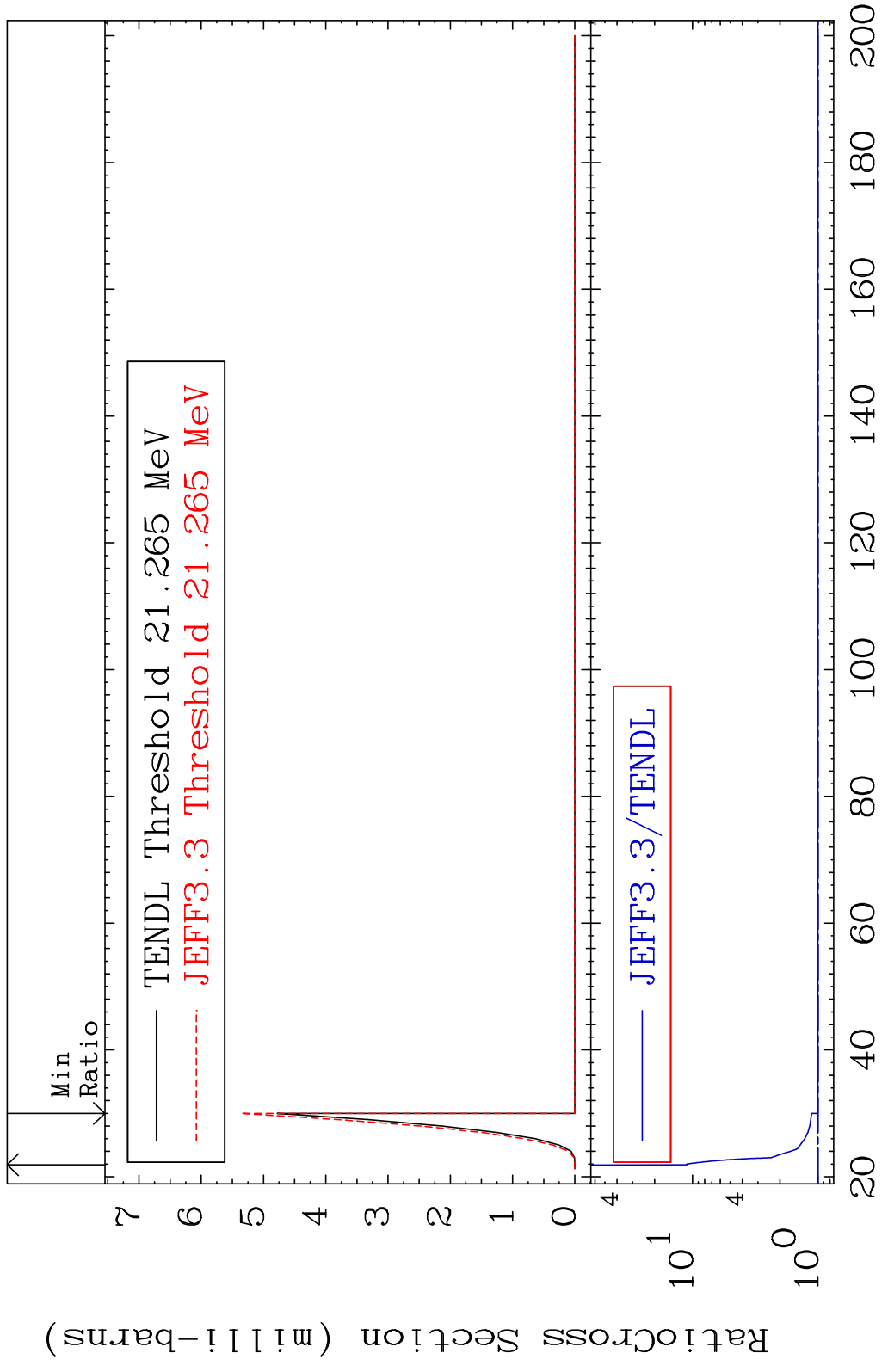
MAT 2219 Dpa disappearance (mt102 -120) 22-Ti-44  
 Cross Section -4.110 To 9999. %

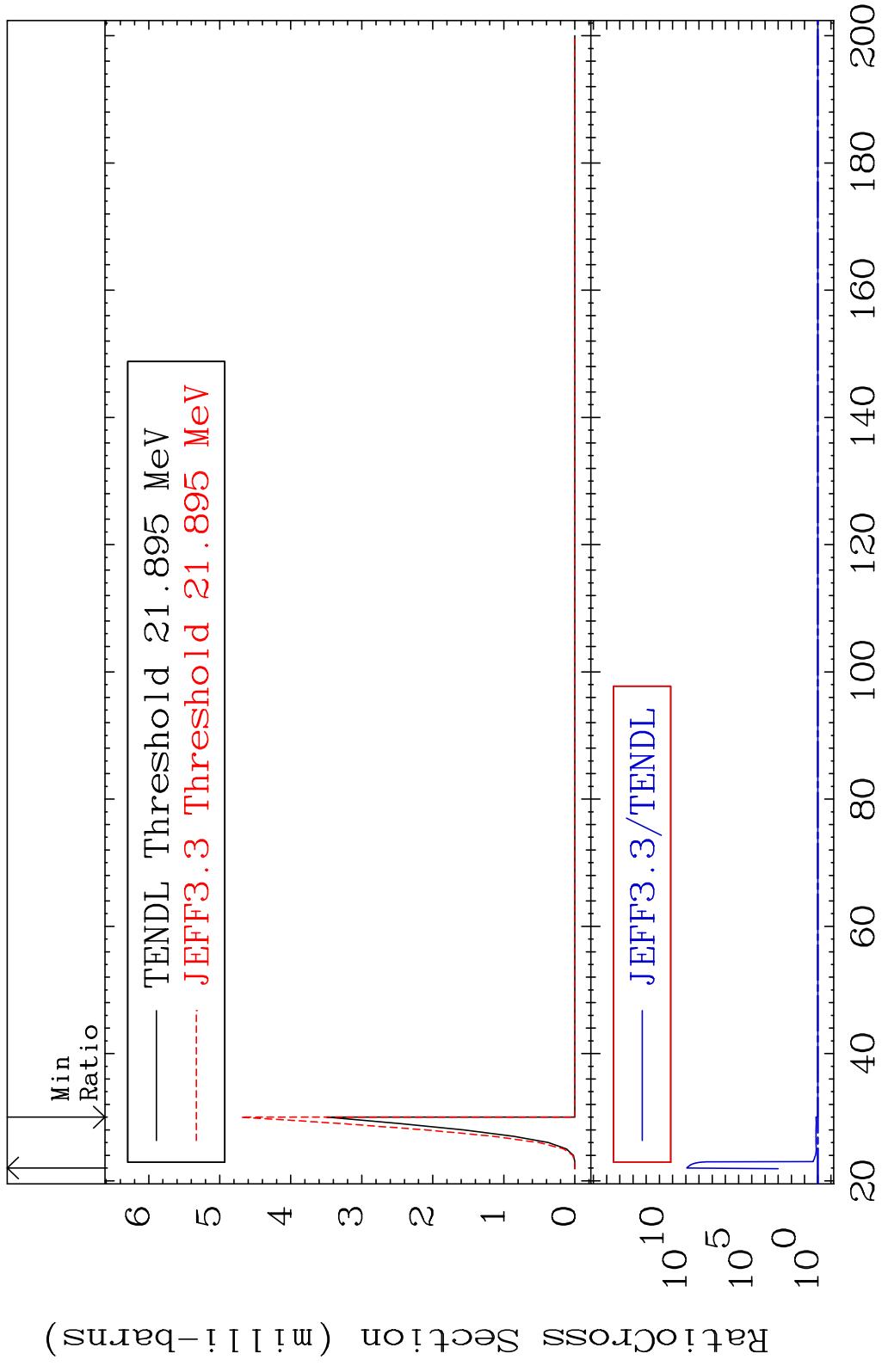




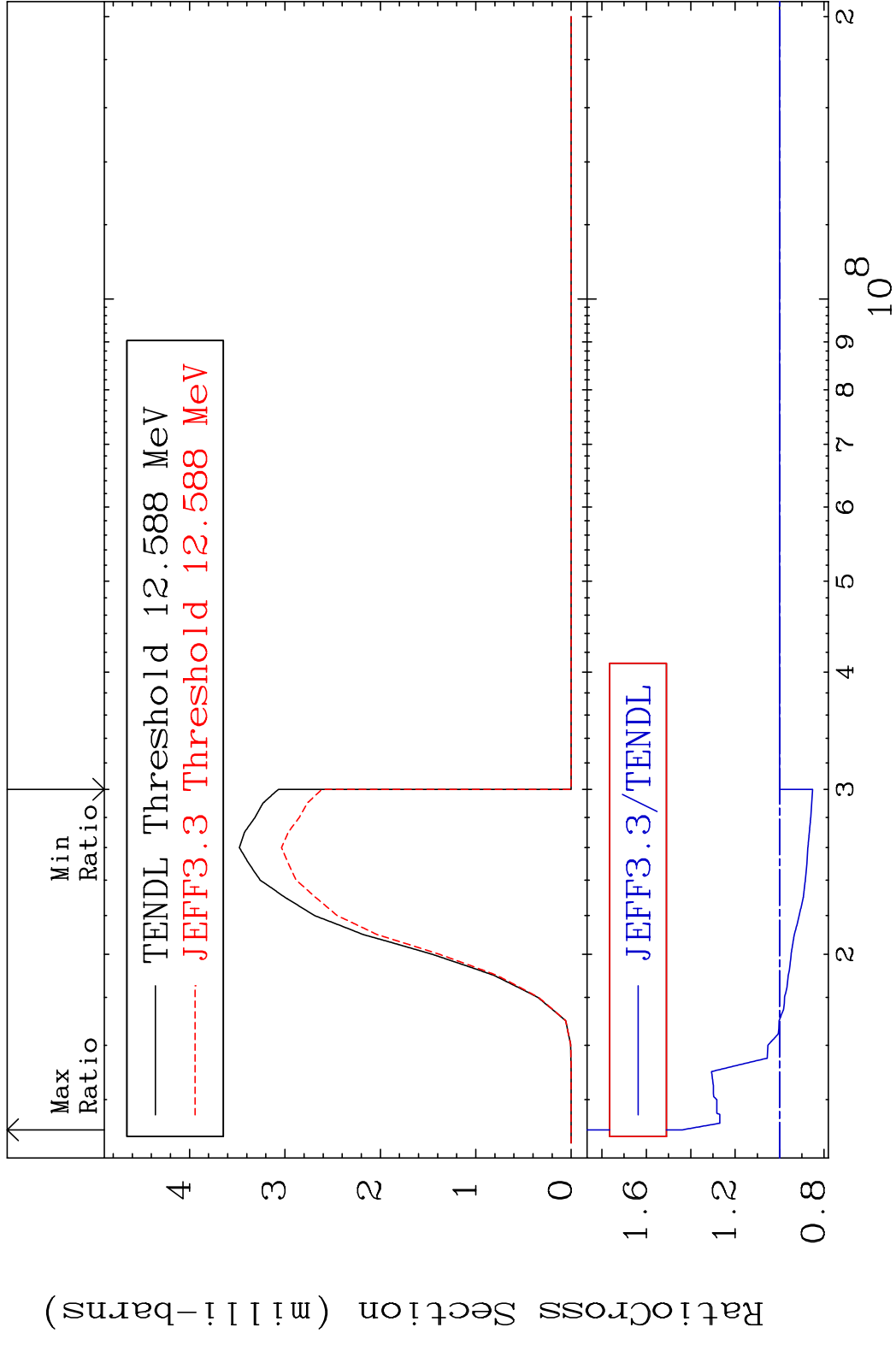








MAT 2219 (n, t):21-Sc-42g 22-Ti-44  
 Radionuclide Production Cross Section 43.76 %



MAT 2219 (n, t):21-Sc-42m2 22-Ti-44  
 Radionuclide Production Cross Section 24.86 %

