

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

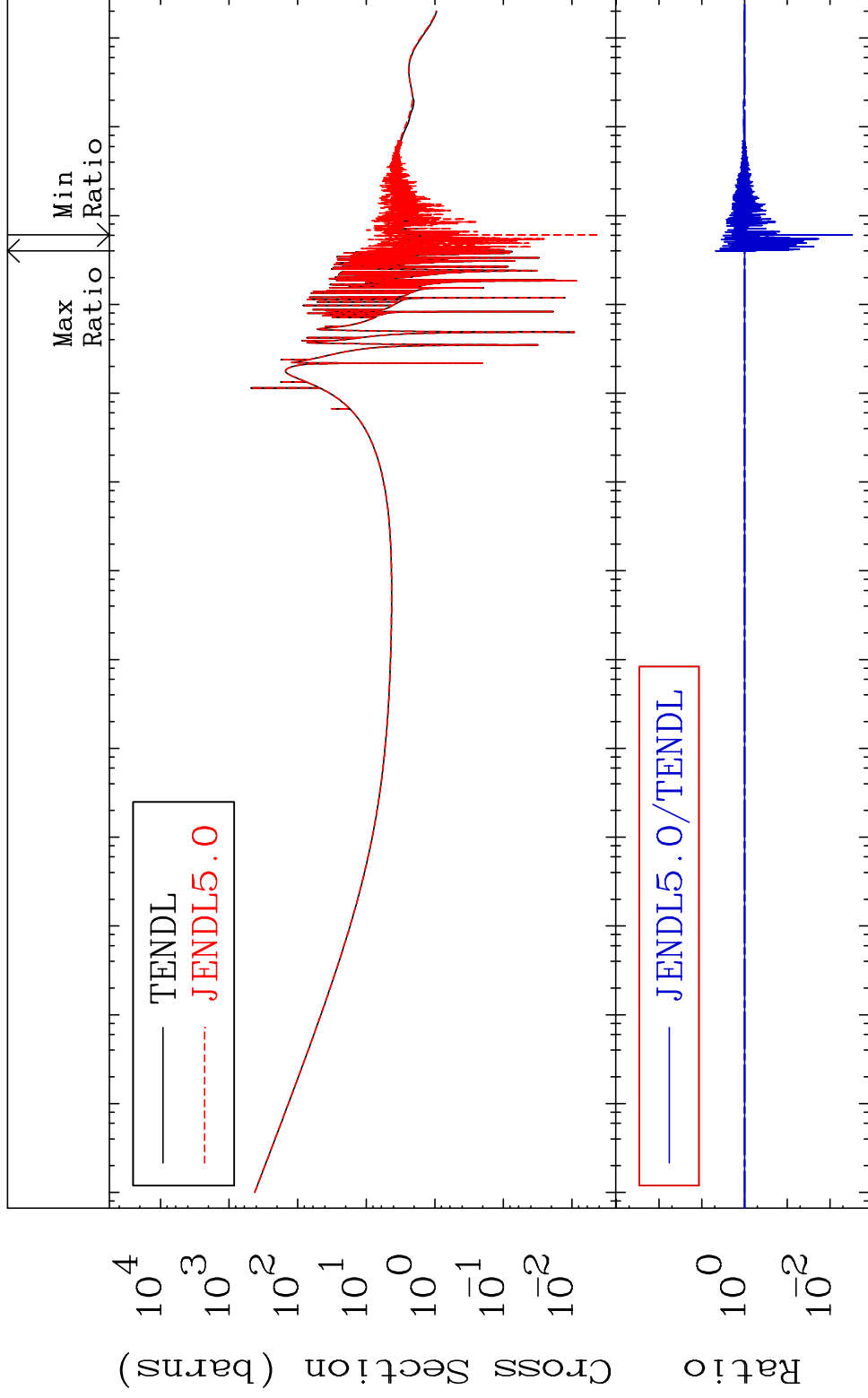
MAT 2231

Total

22-Ti-48

Cross Section

-99.70 To 373.0 %



1

Incident Energy (eV)

22-Ti-48

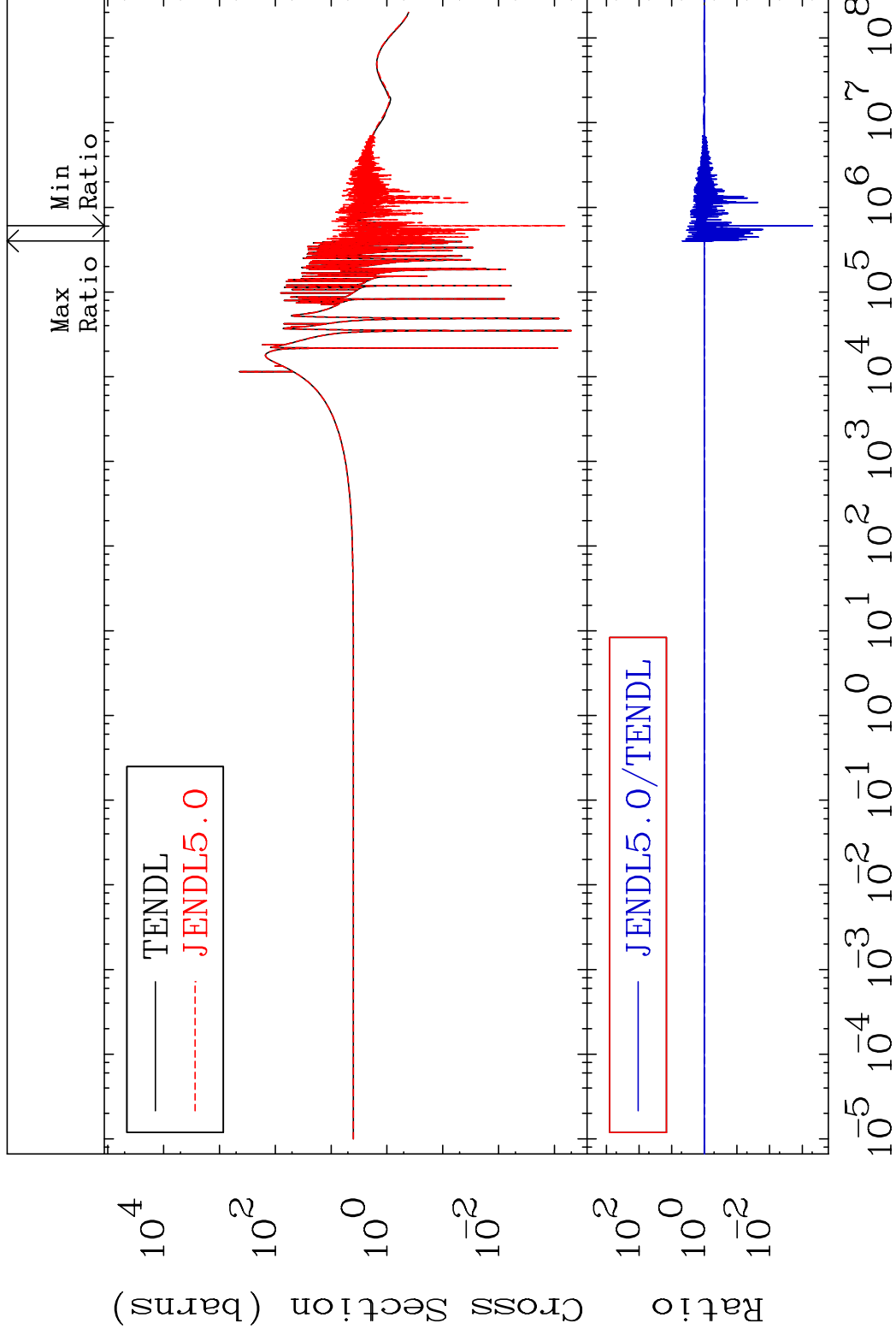
MAT 2231

Elastic

22-Ti-48

Cross Section

-99.95 To 373.6 %



2

Incident Energy (eV)

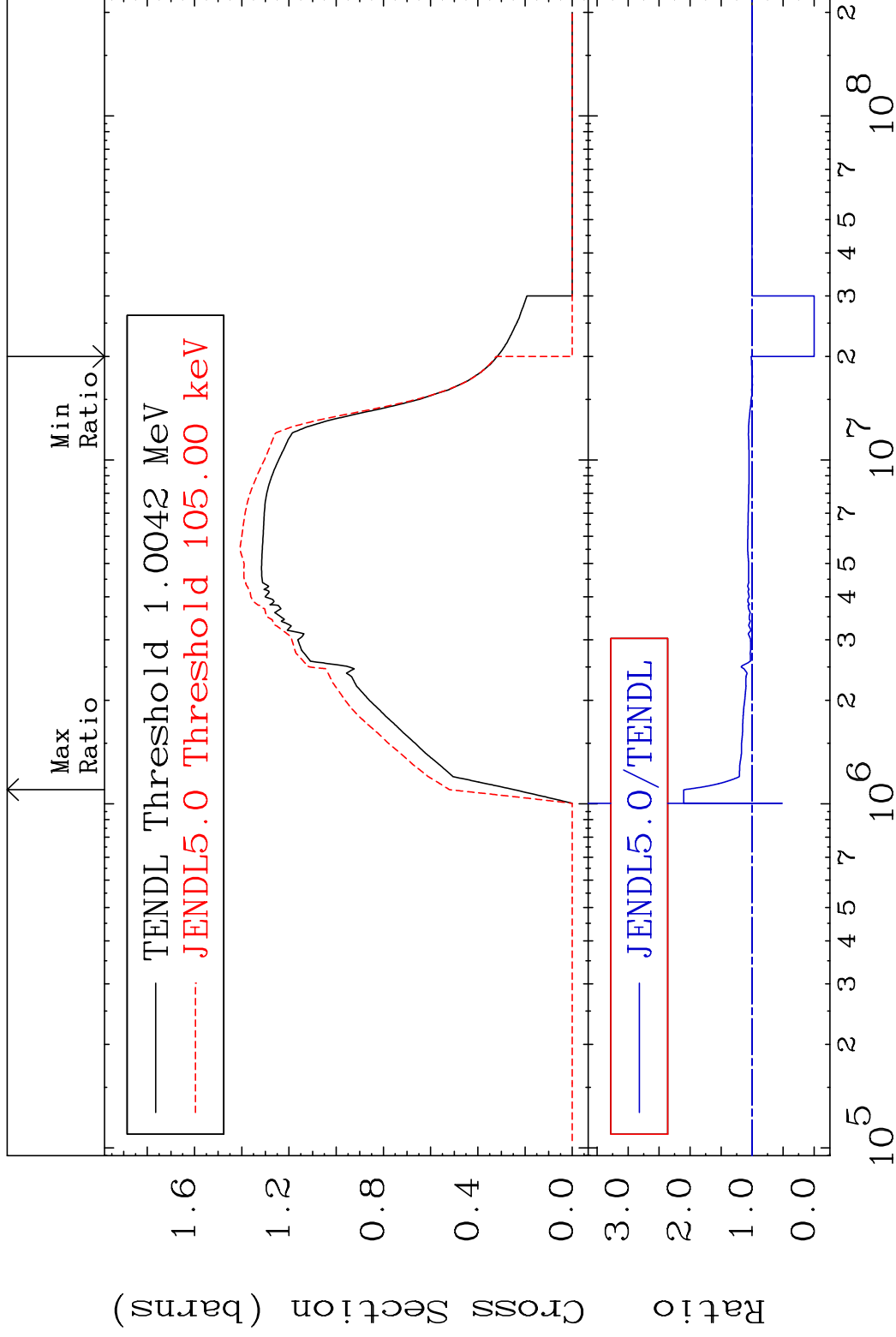
22-Ti-48

MAT 2231

Inelastic

<sup>22</sup>Ti-48

Cross Section -100.0 To 110.4 %

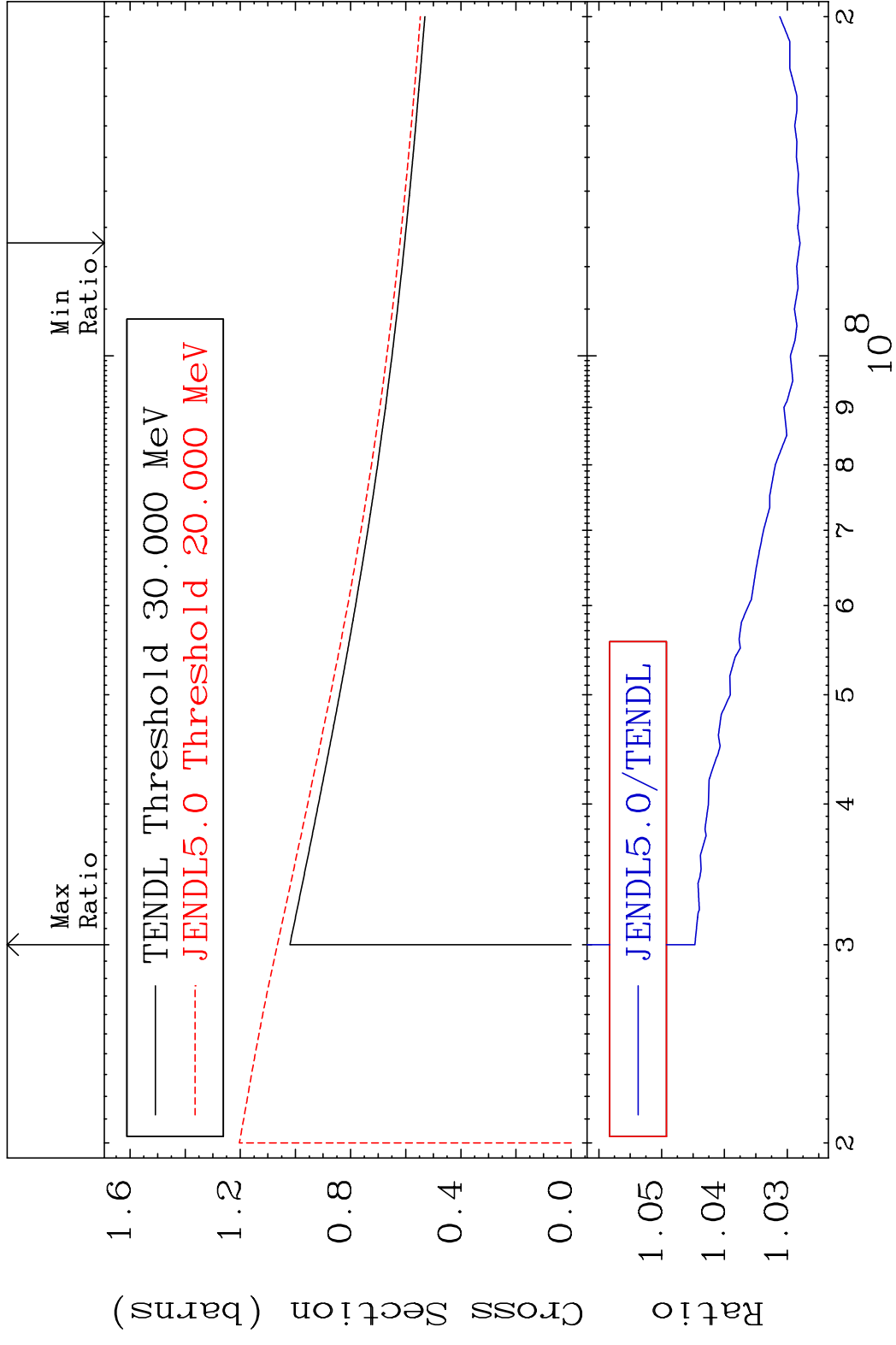


3

Incident Energy (eV)

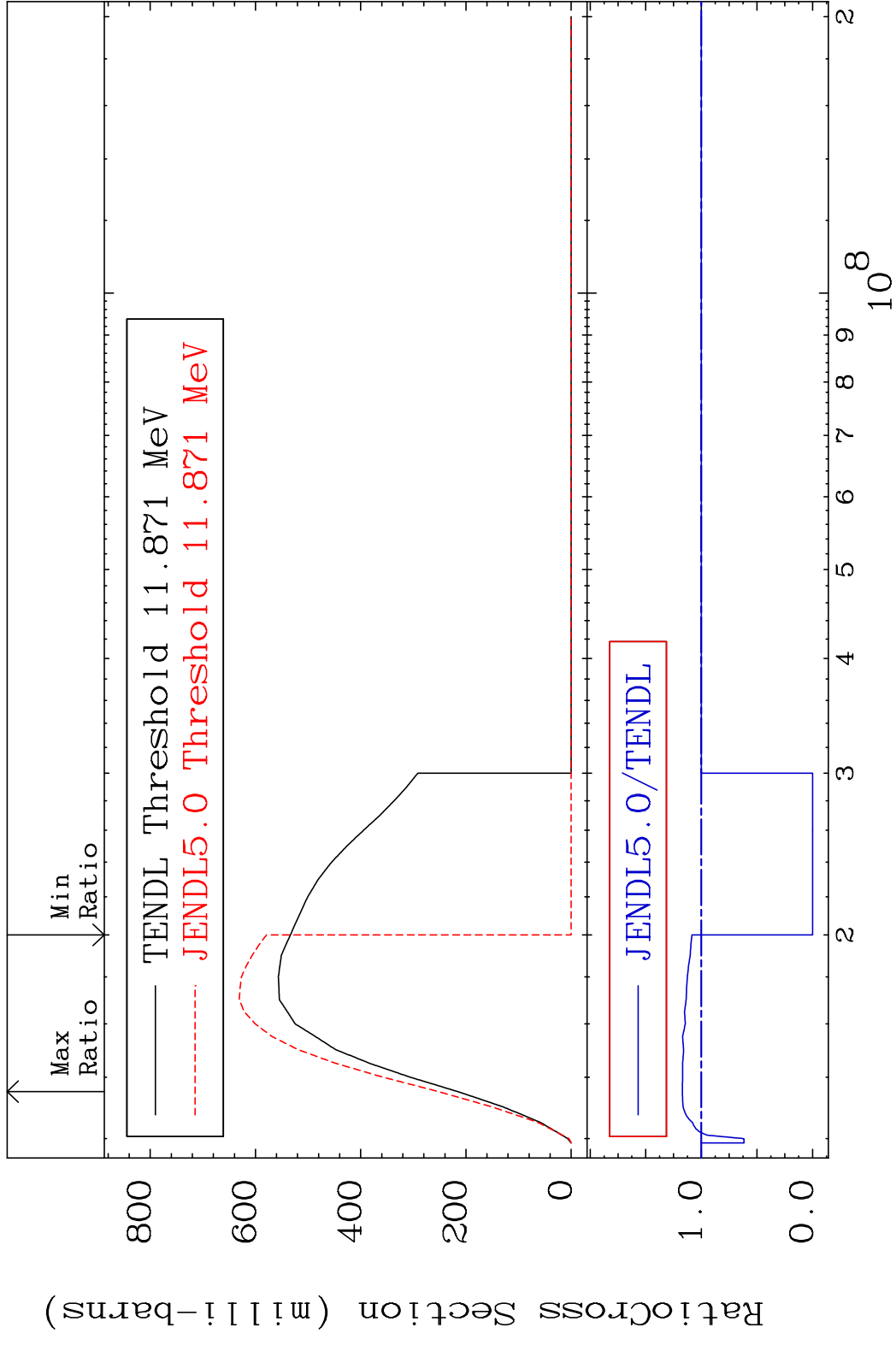
<sup>22</sup>Ti-48

MAT 2231 (n, remainder) 22-Ti-48  
 Cross Section 2.797 To 4.471 %



4 Incident Energy (eV) 22-Ti-48

MAT 2231 (n,2n) <sup>22</sup>Ti-48  
 Cross Section -100.0 To 17.10 %

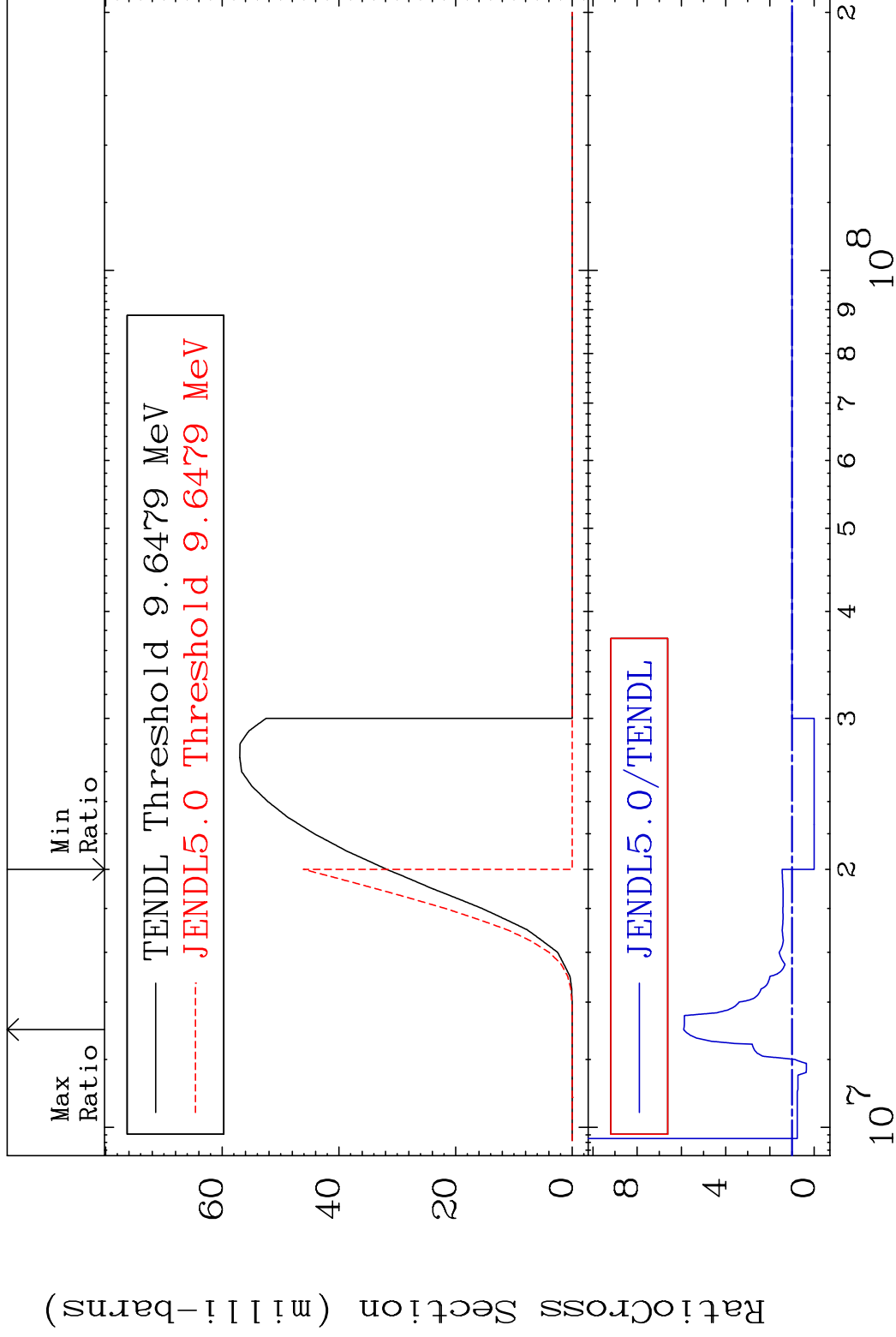


MAT 2231

(n, n')  $\alpha$

<sup>22</sup>Ti-48

Cross Section -100.0 To 489.7 %

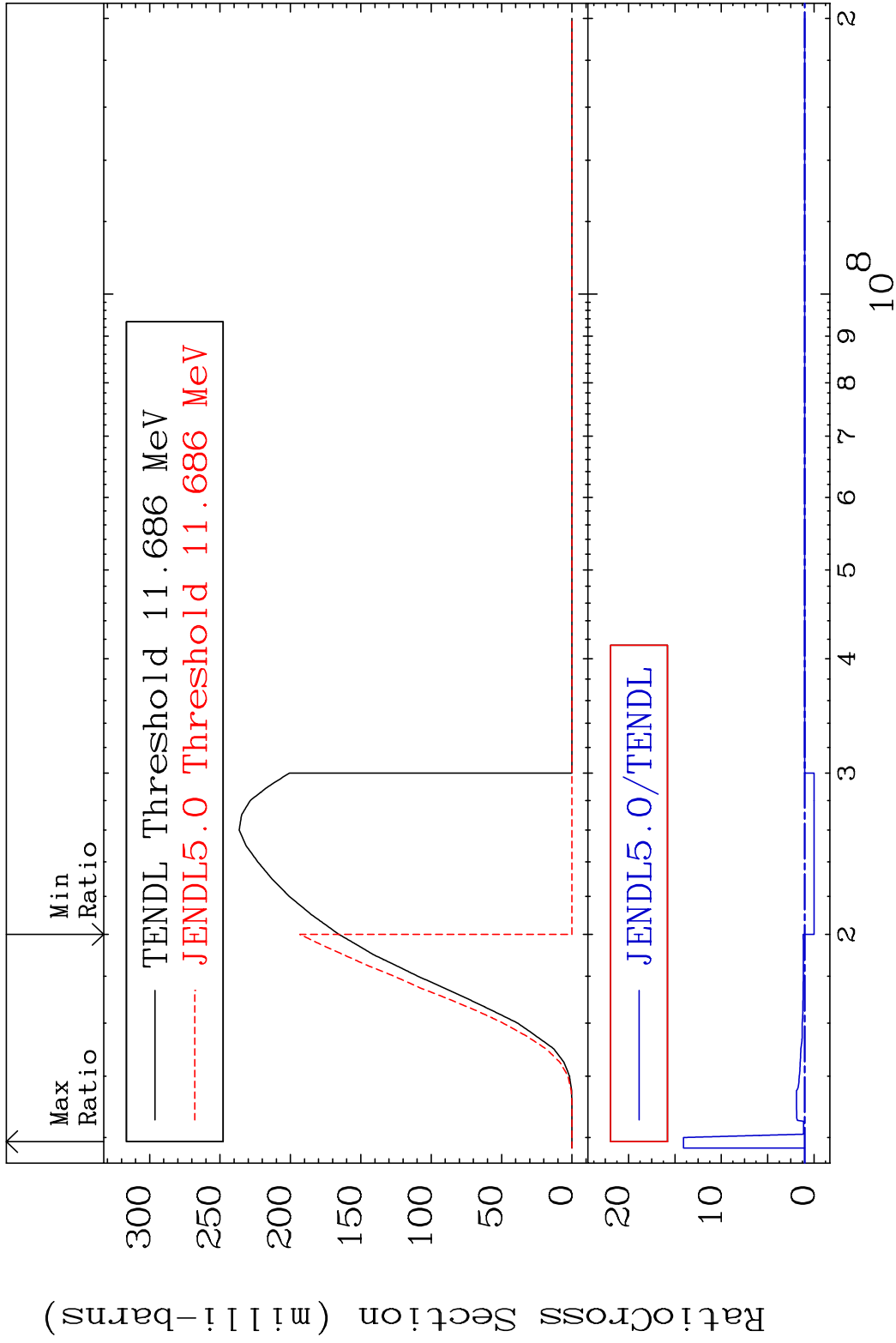


6

Incident Energy (eV)

<sup>22</sup>Ti-48

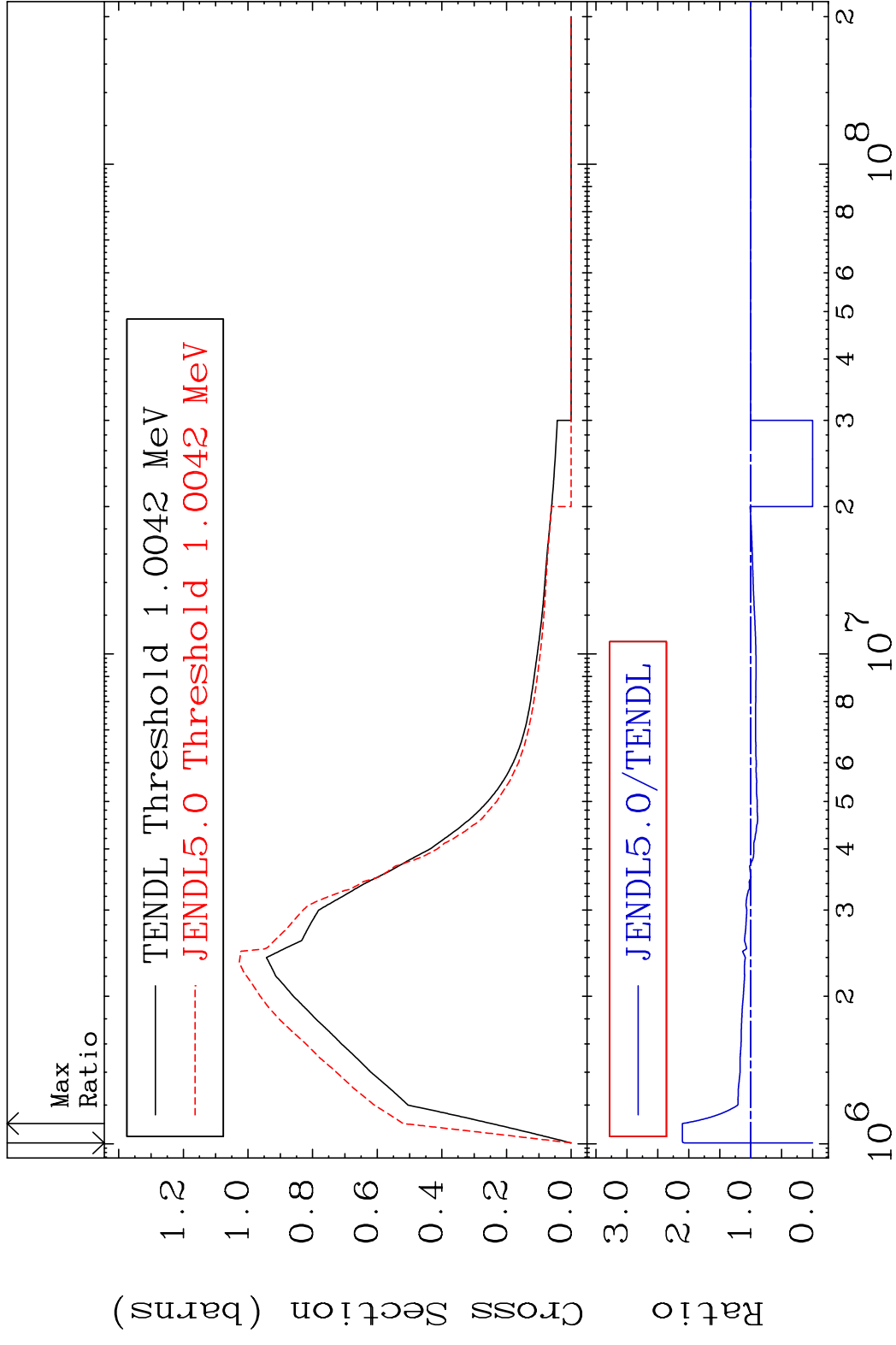
MAT 2231 (n, n') p 22-Ti-48  
 Cross Section -100.0 To 1308. %



7 Incident Energy (eV) 22-Ti-48

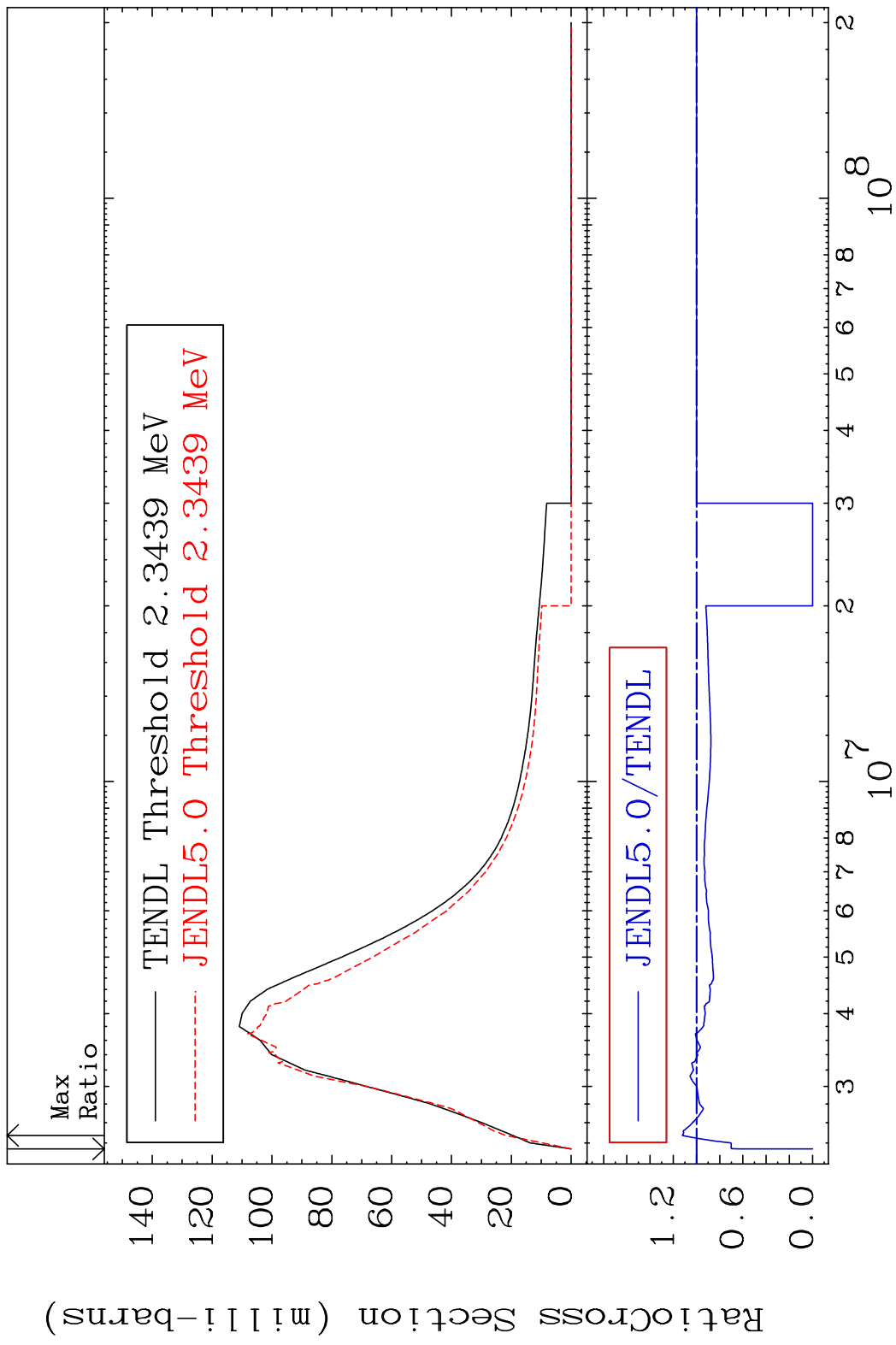


MAT 2231 MT= 51 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 110.4 %

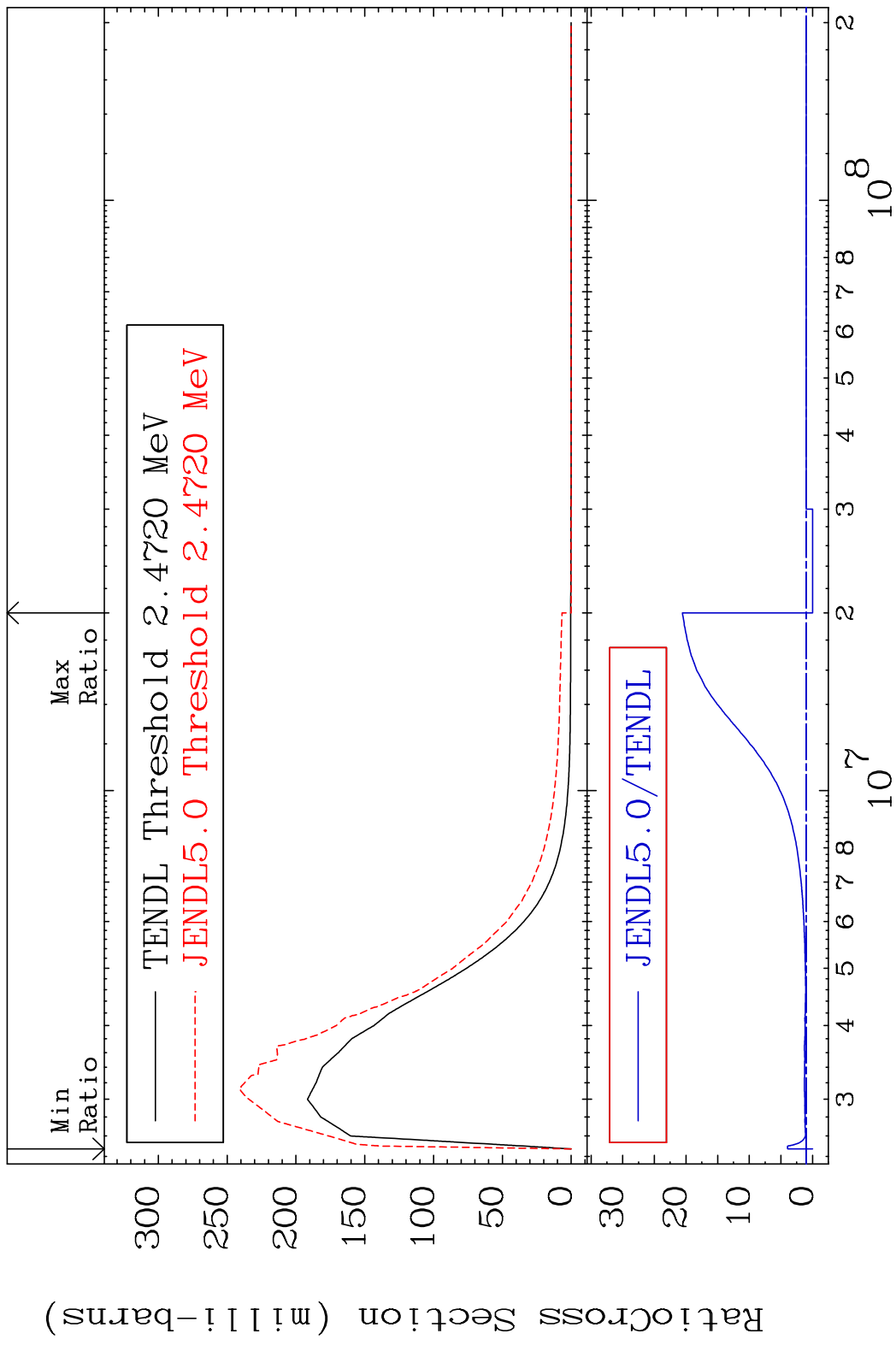


8 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 52 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 12.18 %

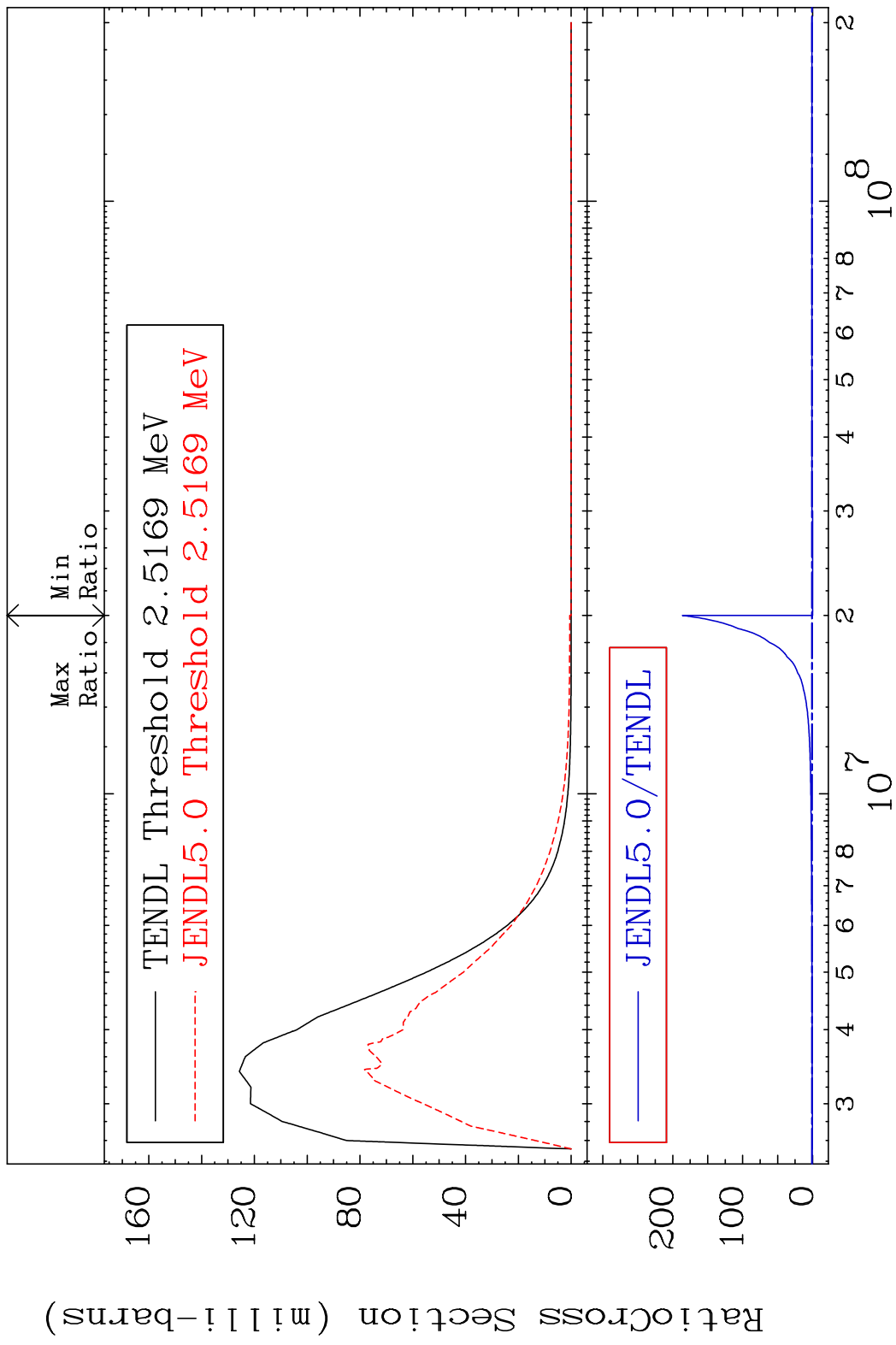


MAT 2231 MT= 53 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 1957. %

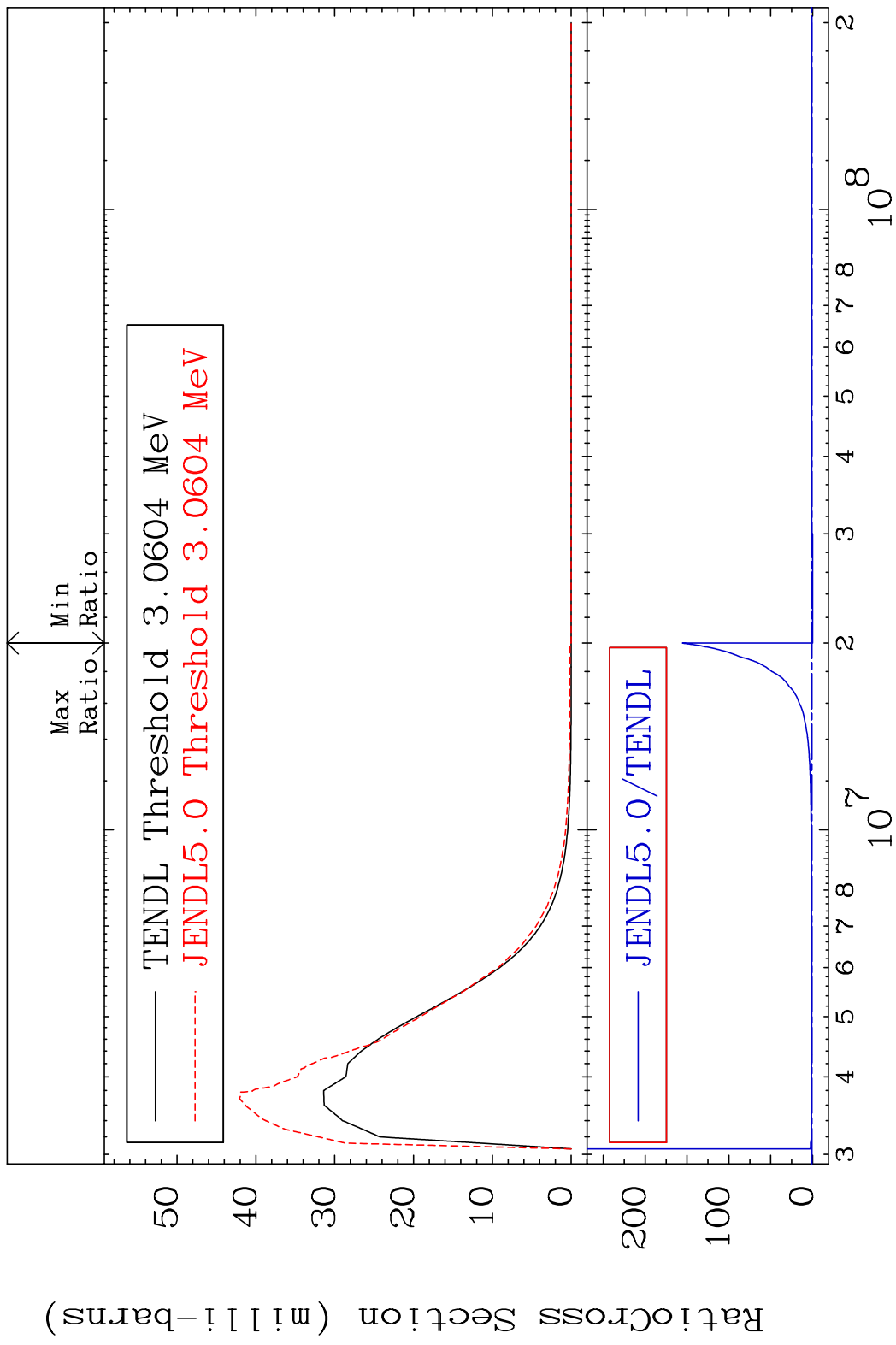


10 3 4 5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

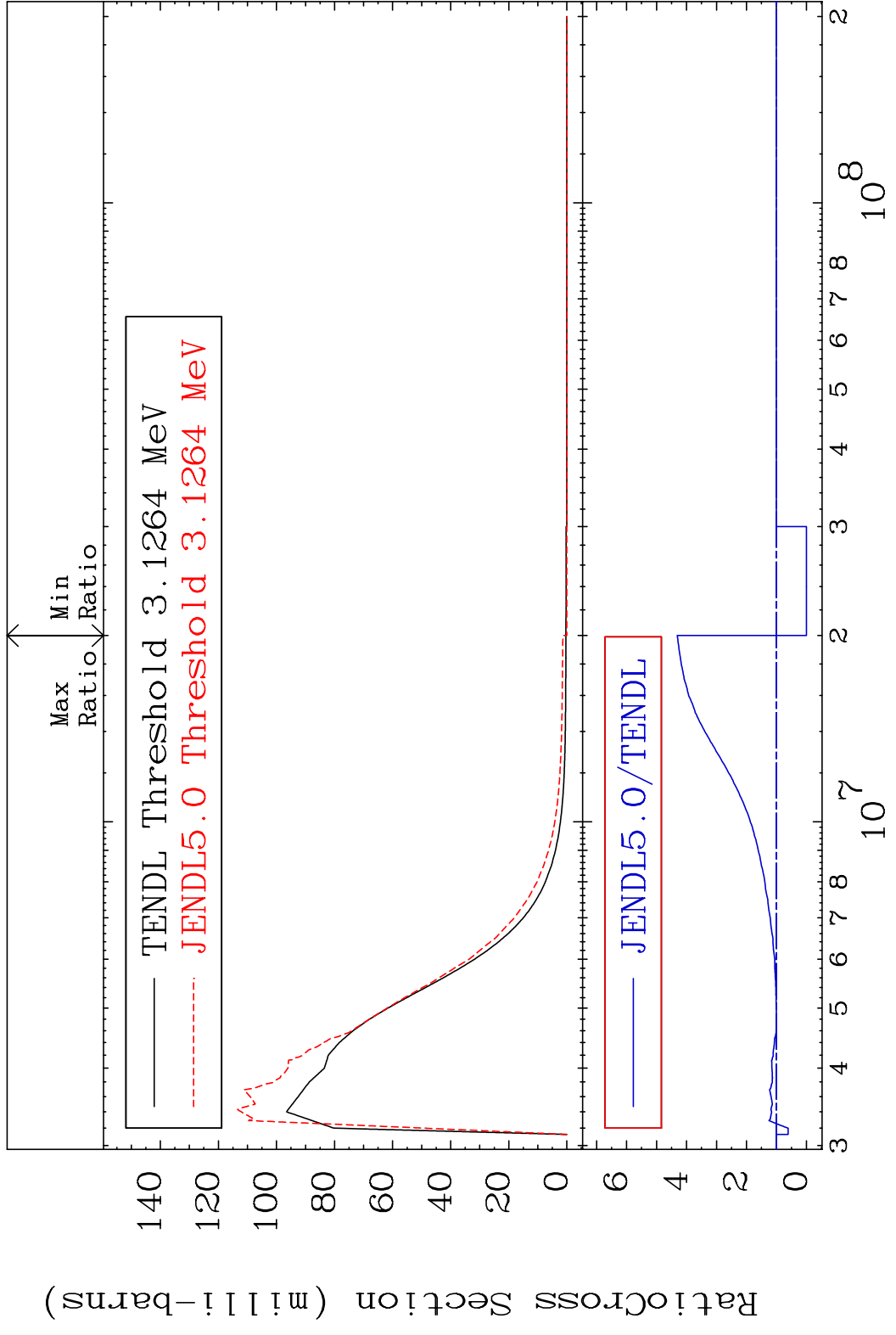
MAT 2231 MT= 54 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %



MAT 2231 MT= 55 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %

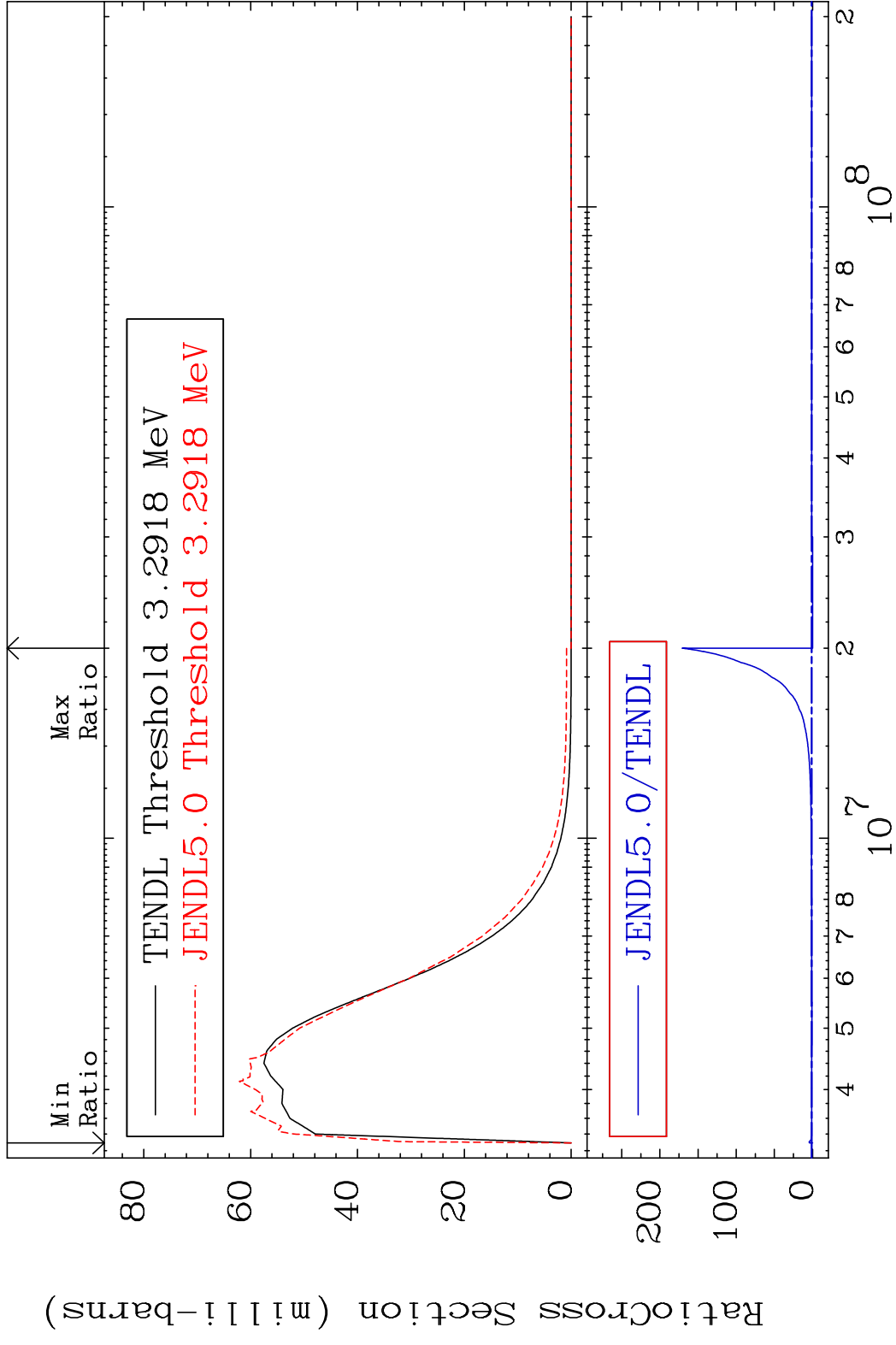


MAT 2231 MT= 56 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 331.2 %

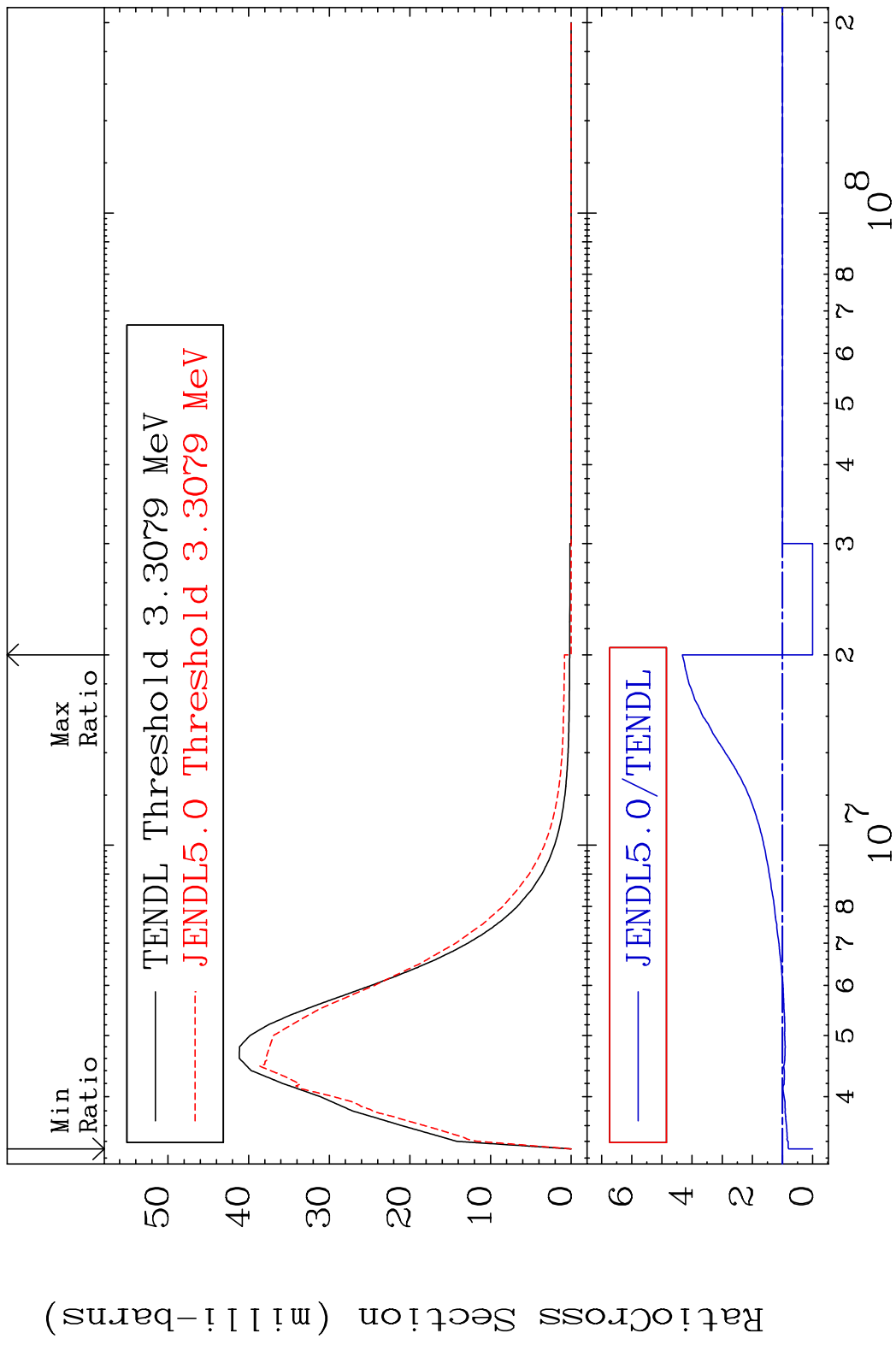


13 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 57 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %

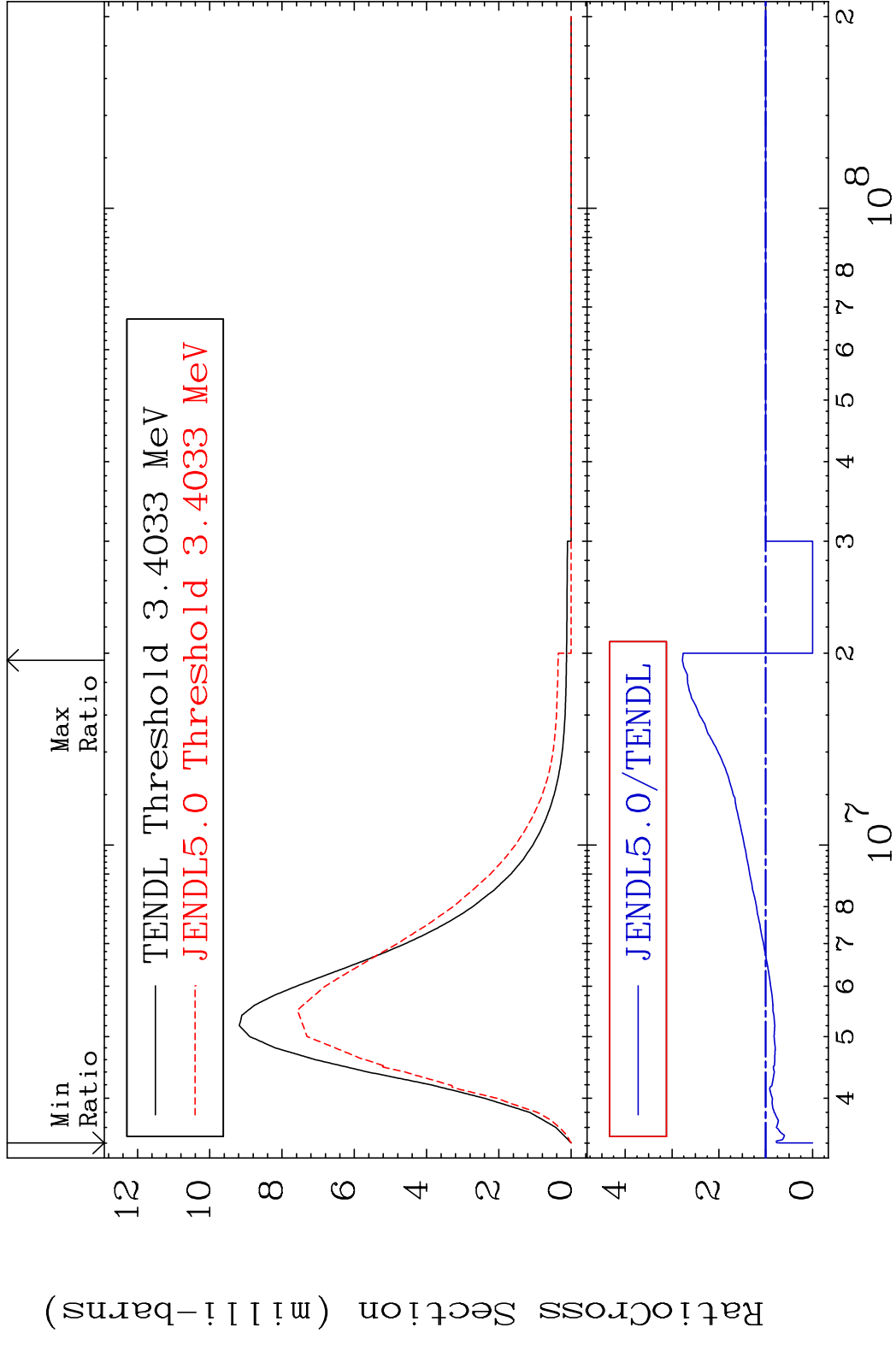


MAT 2231 MT= 58 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 332.2 %

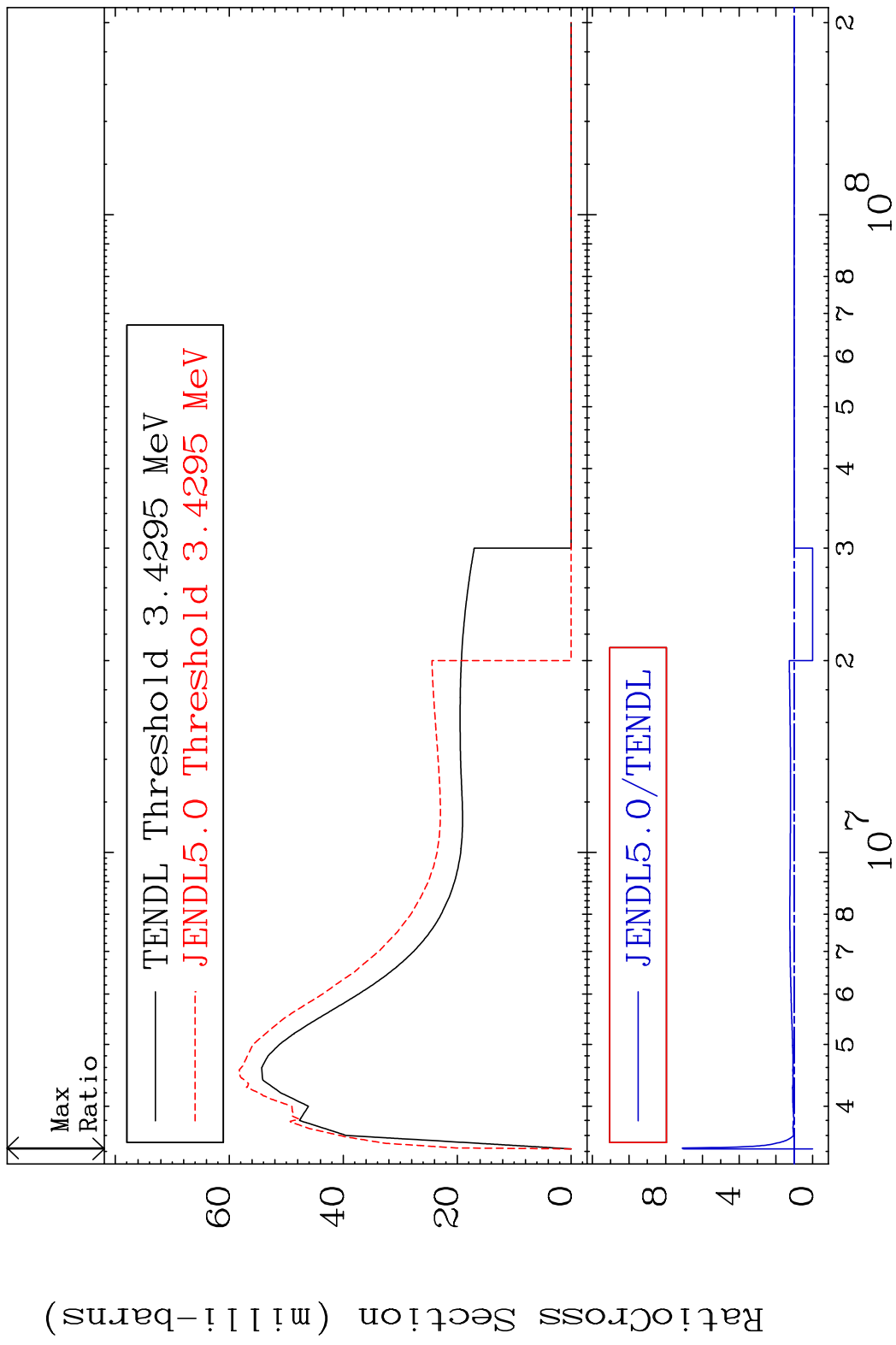




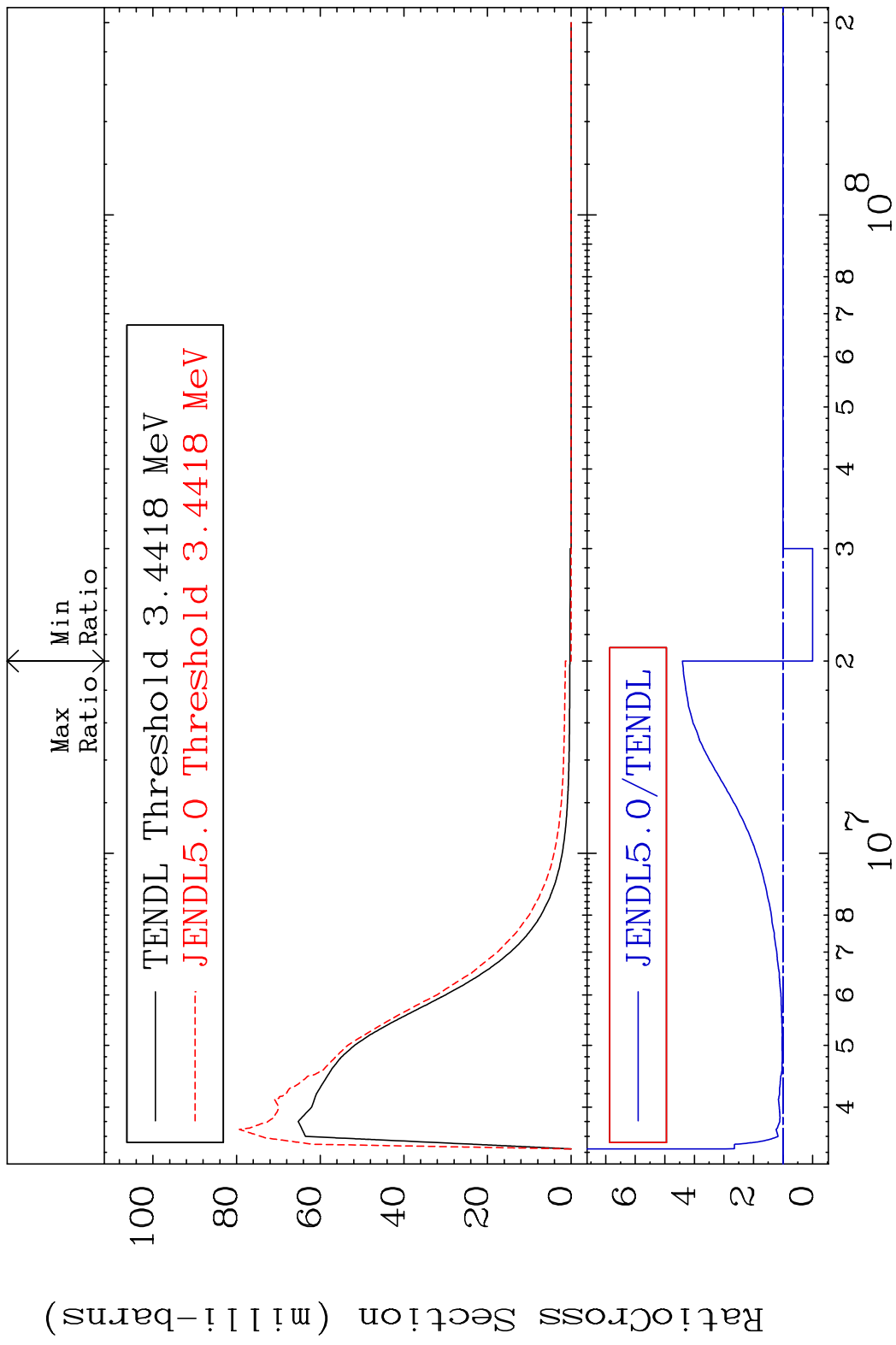
MAT 2231 MT= 59 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 178.0 %



MAT 2231 MT= 60 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 609.1 %

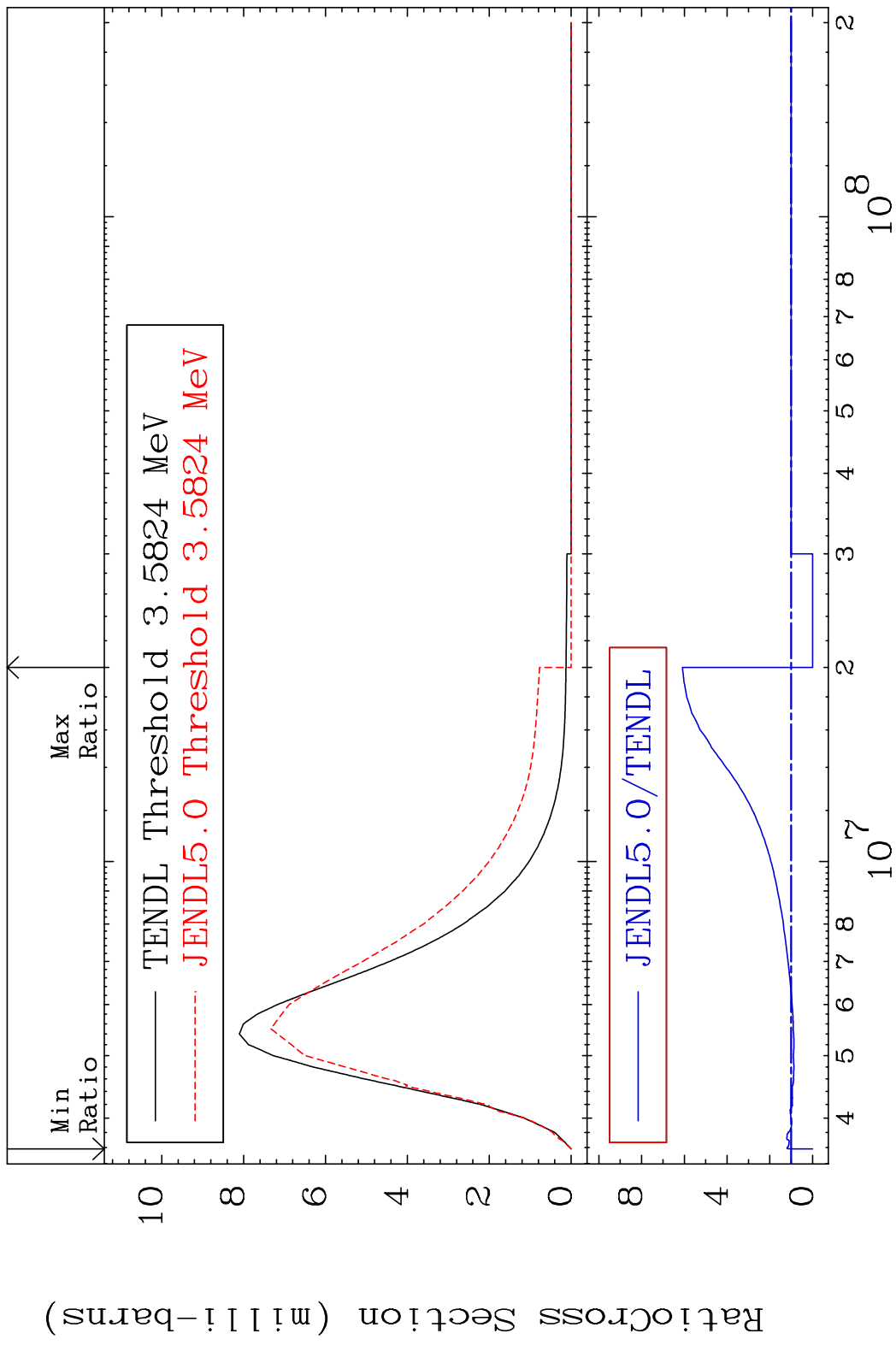


MAT 2231 MT= 61 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 340.7 %

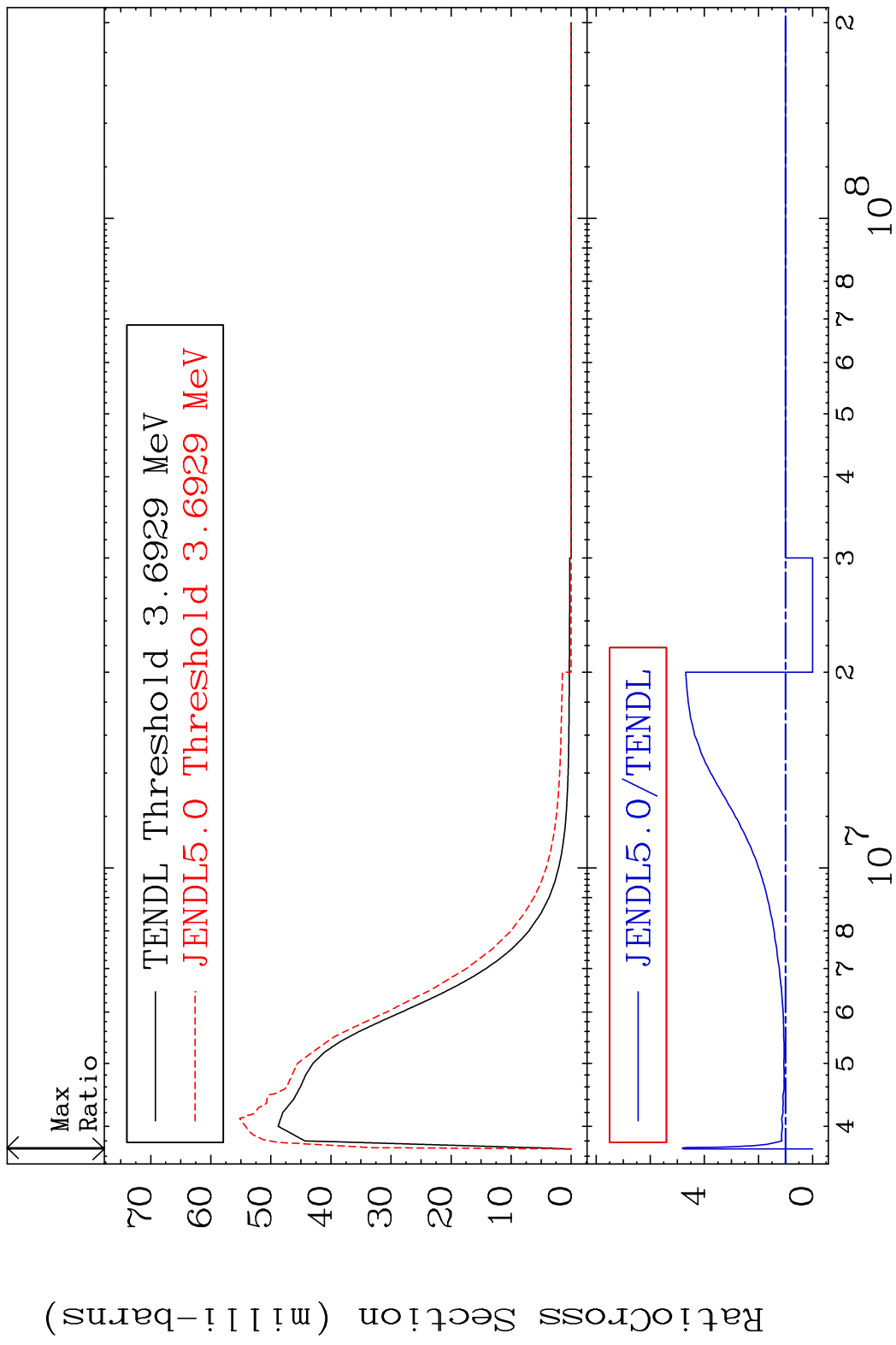


18 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 62 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 509.3 %

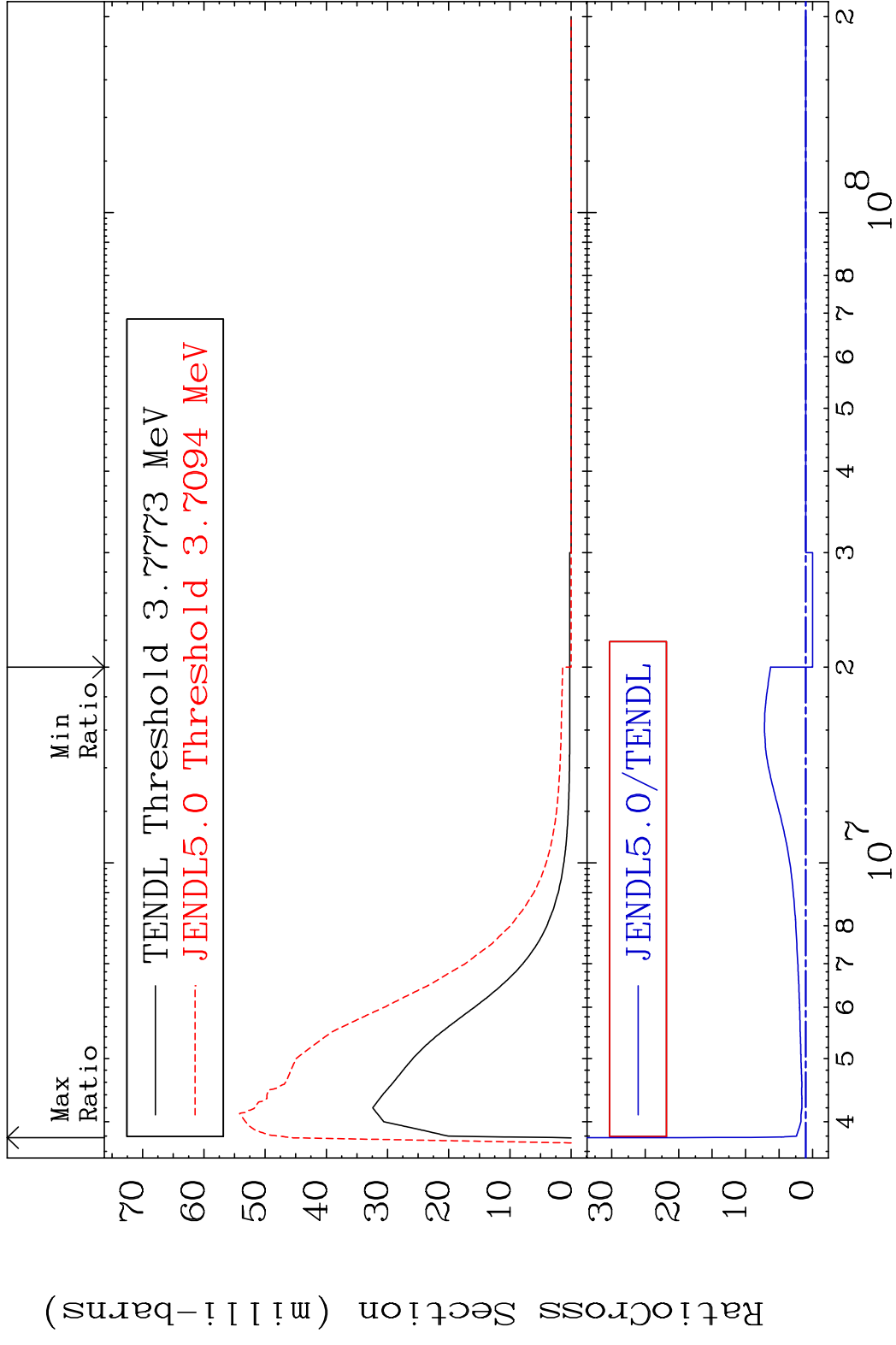


MAT 2231 MT= 63 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 381.4 %



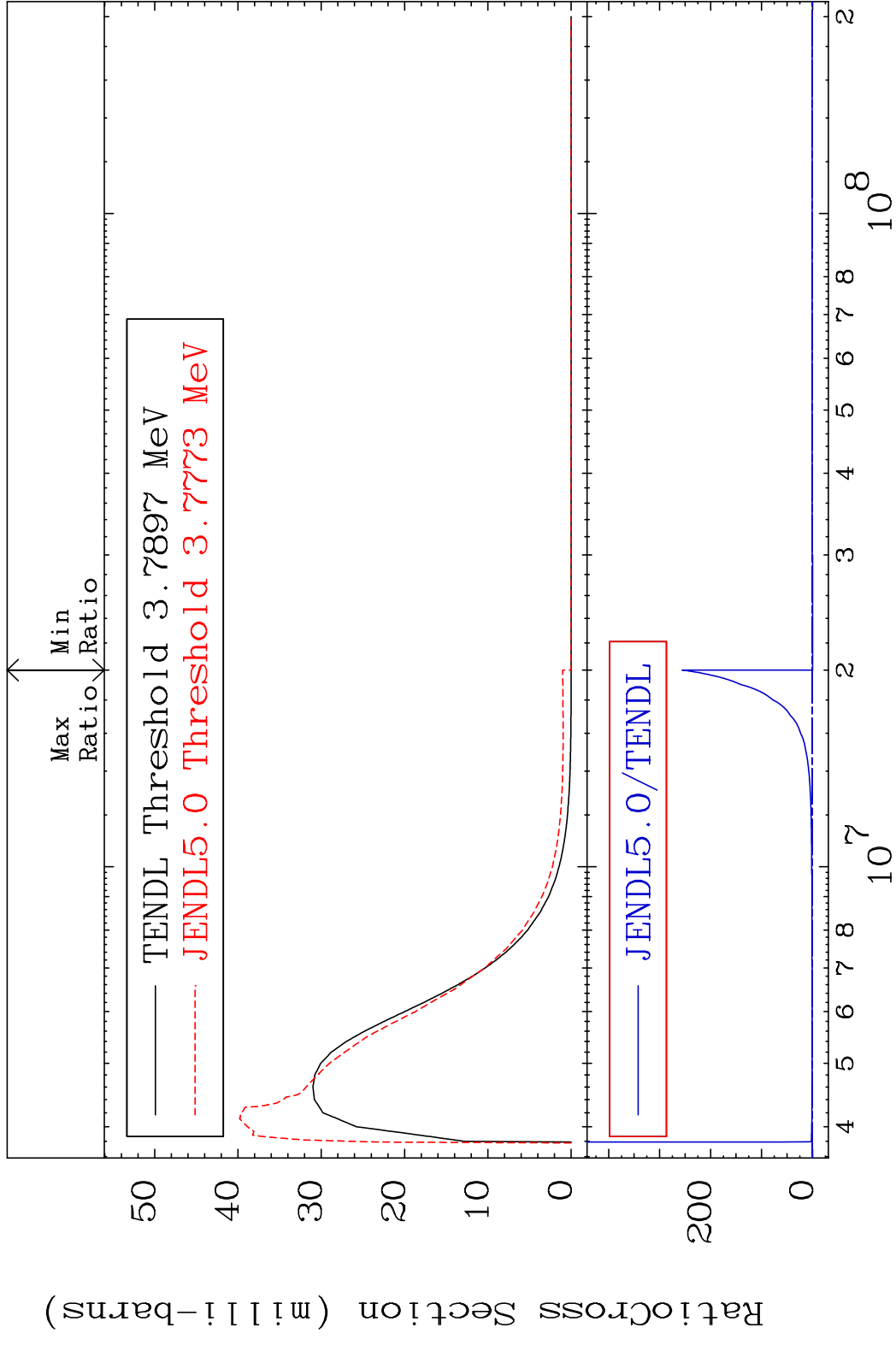
20 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 64 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 1845. %

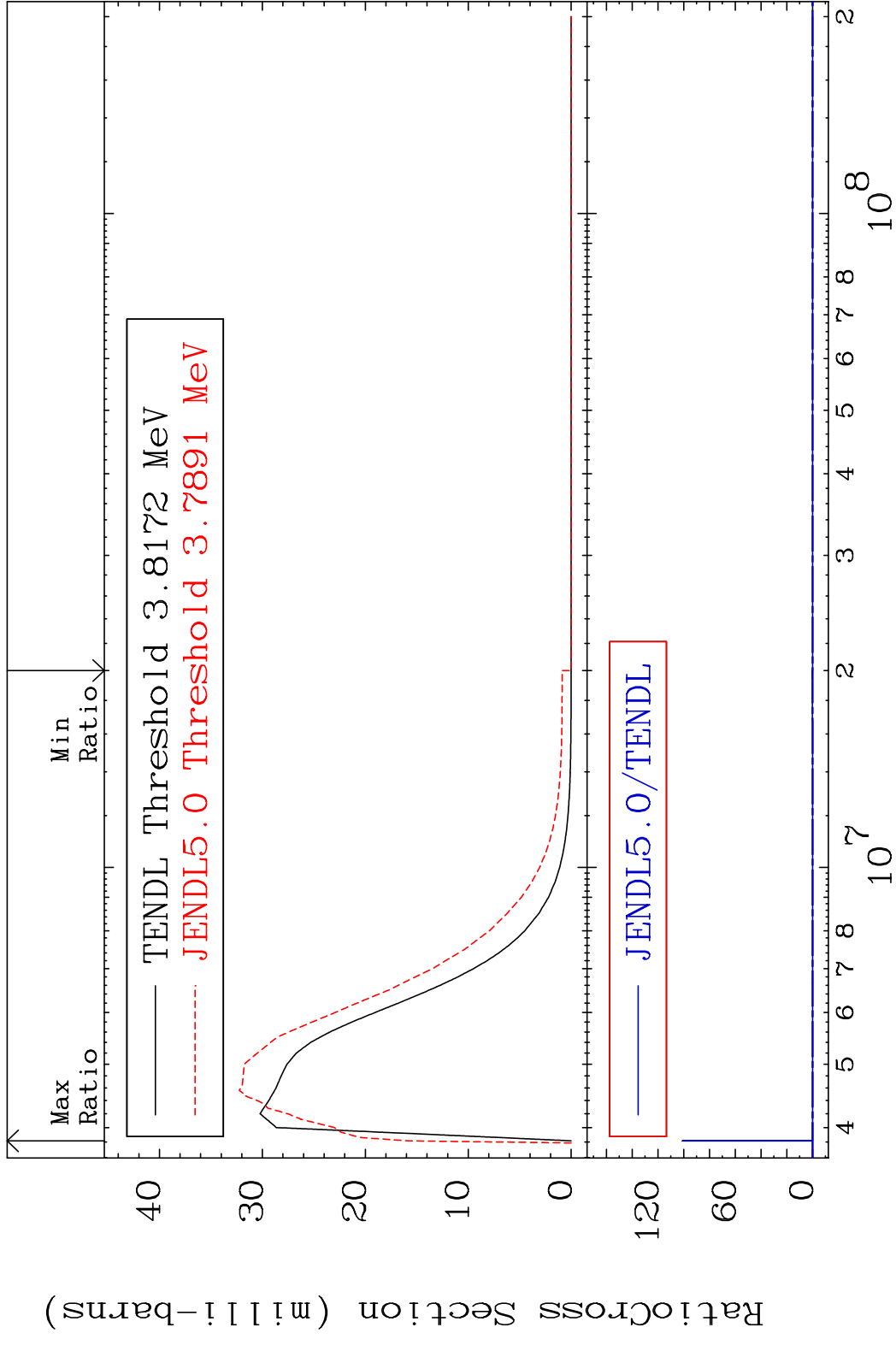


21 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 65 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %

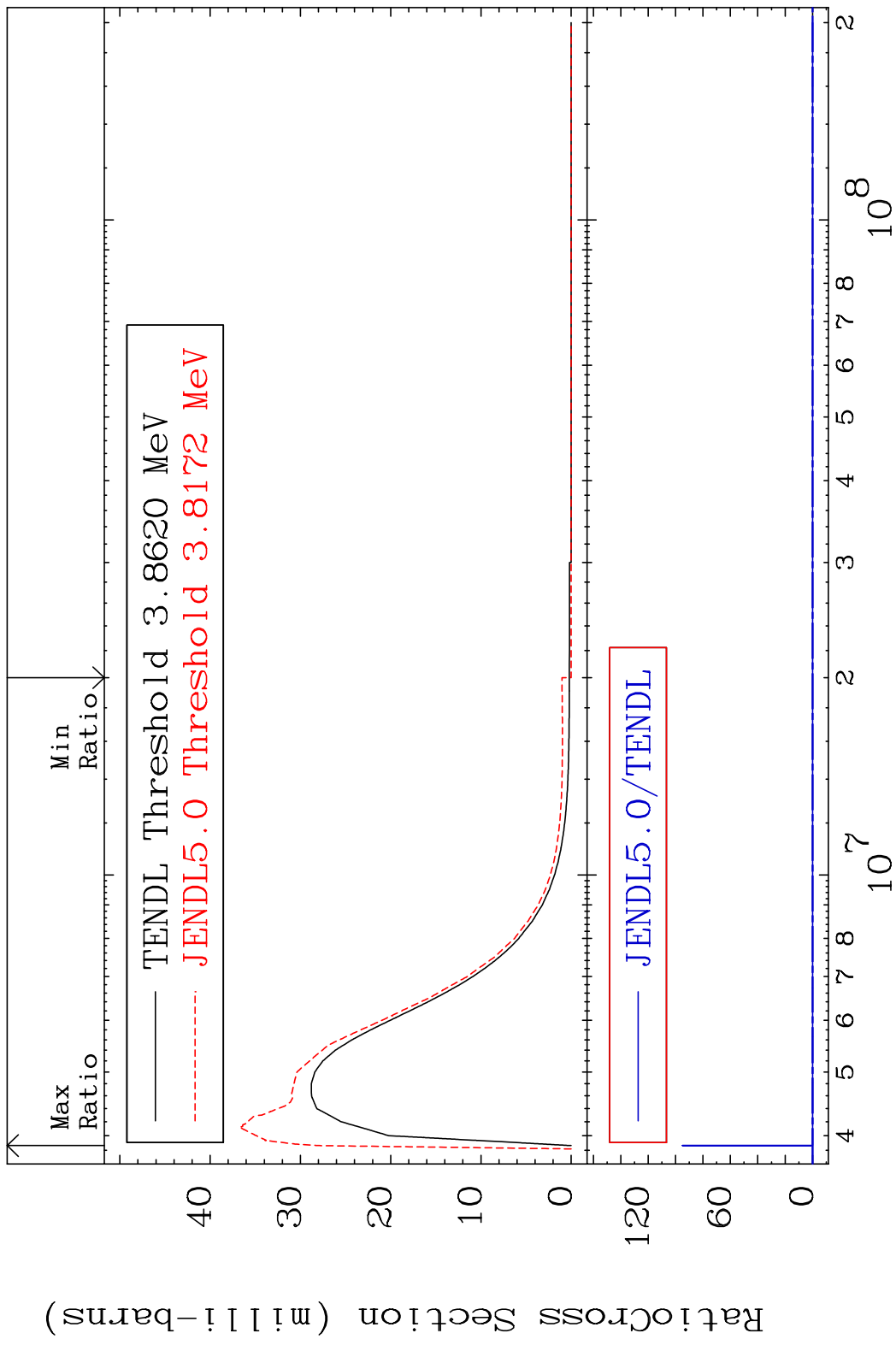


MAT 2231 MT= 66 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %

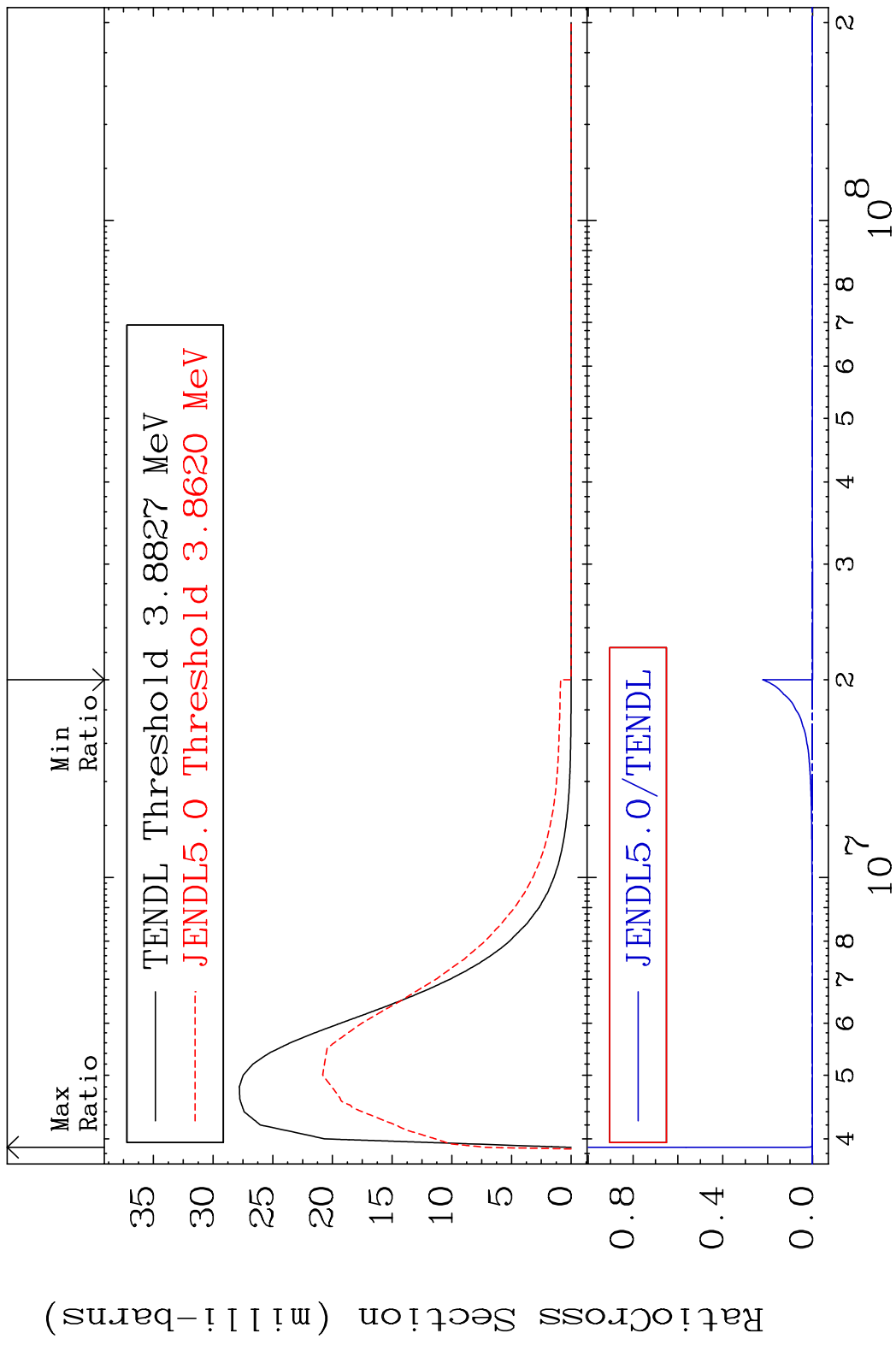




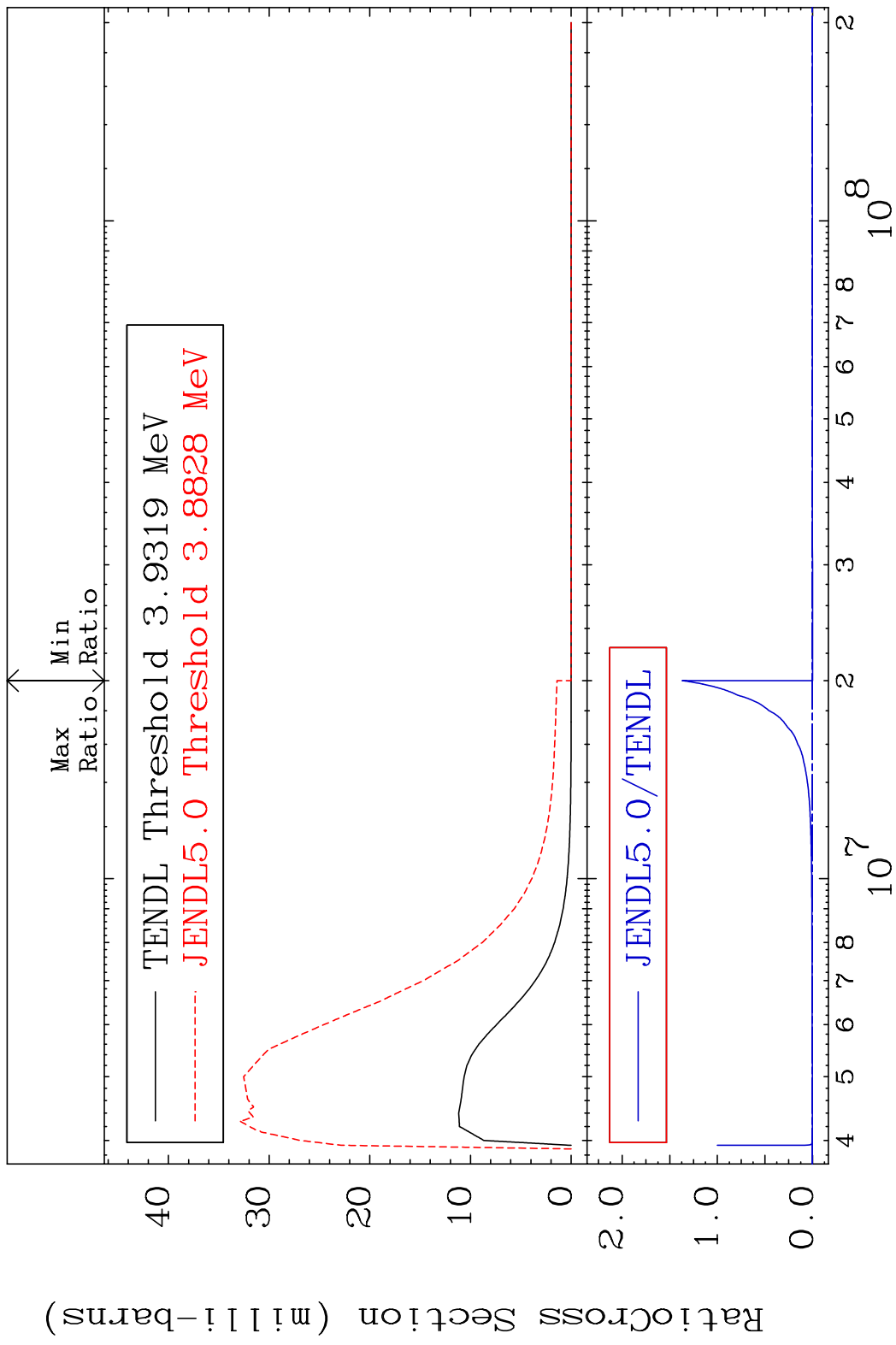
MAT 2231 MT= 67 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %



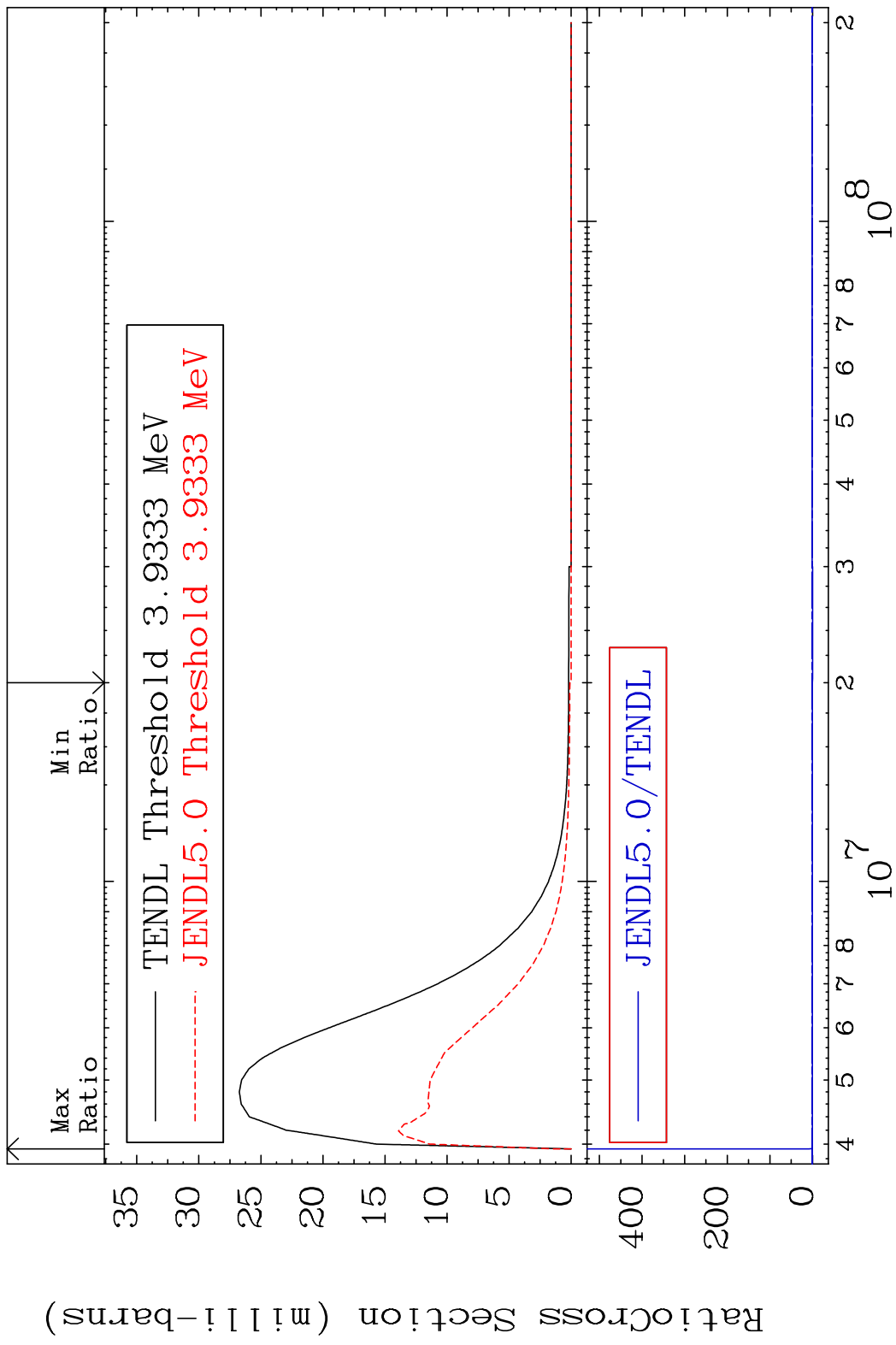
MAT 2231 MT= 68 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %



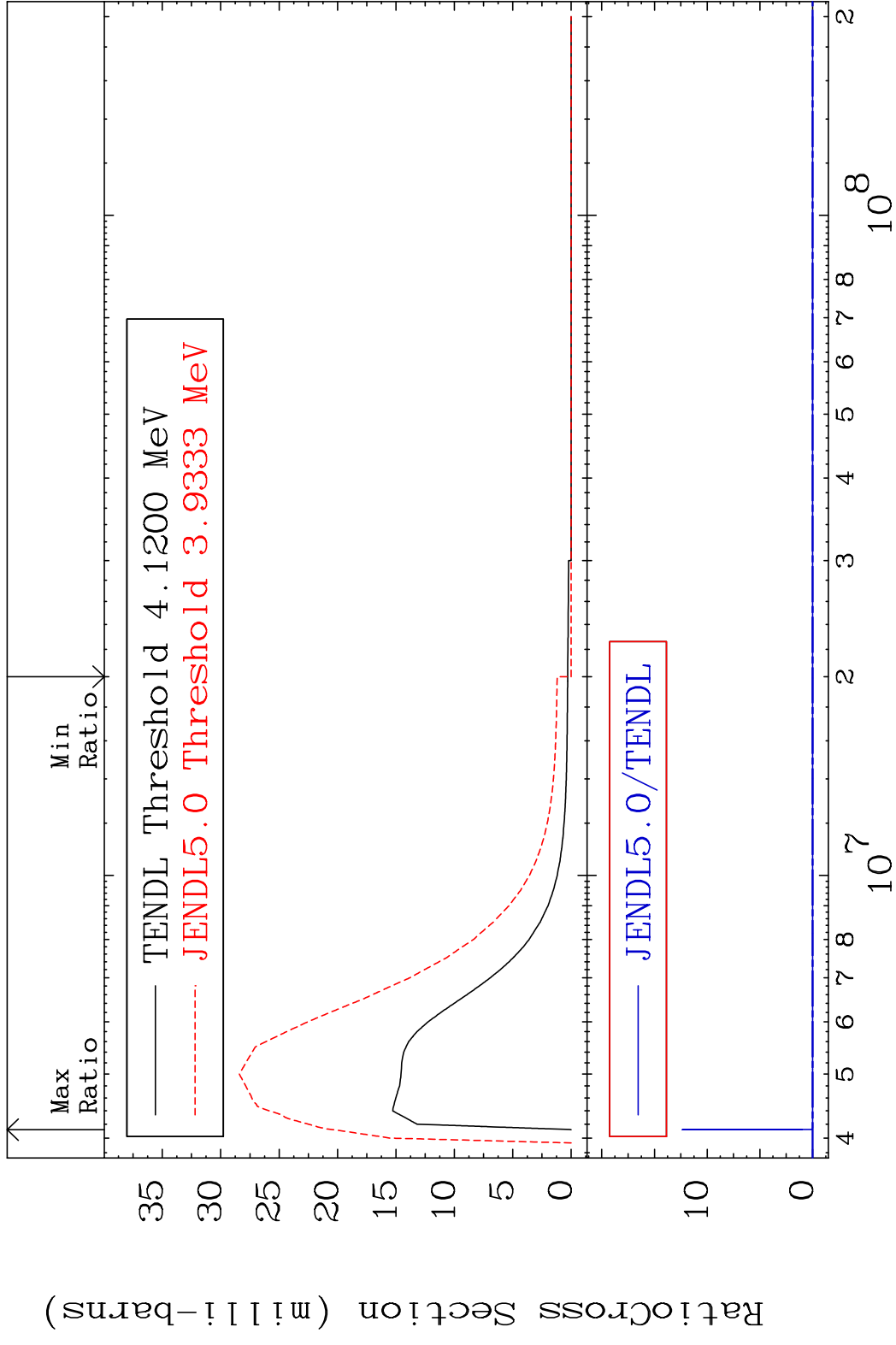
MAT 2231 MT= 69 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %



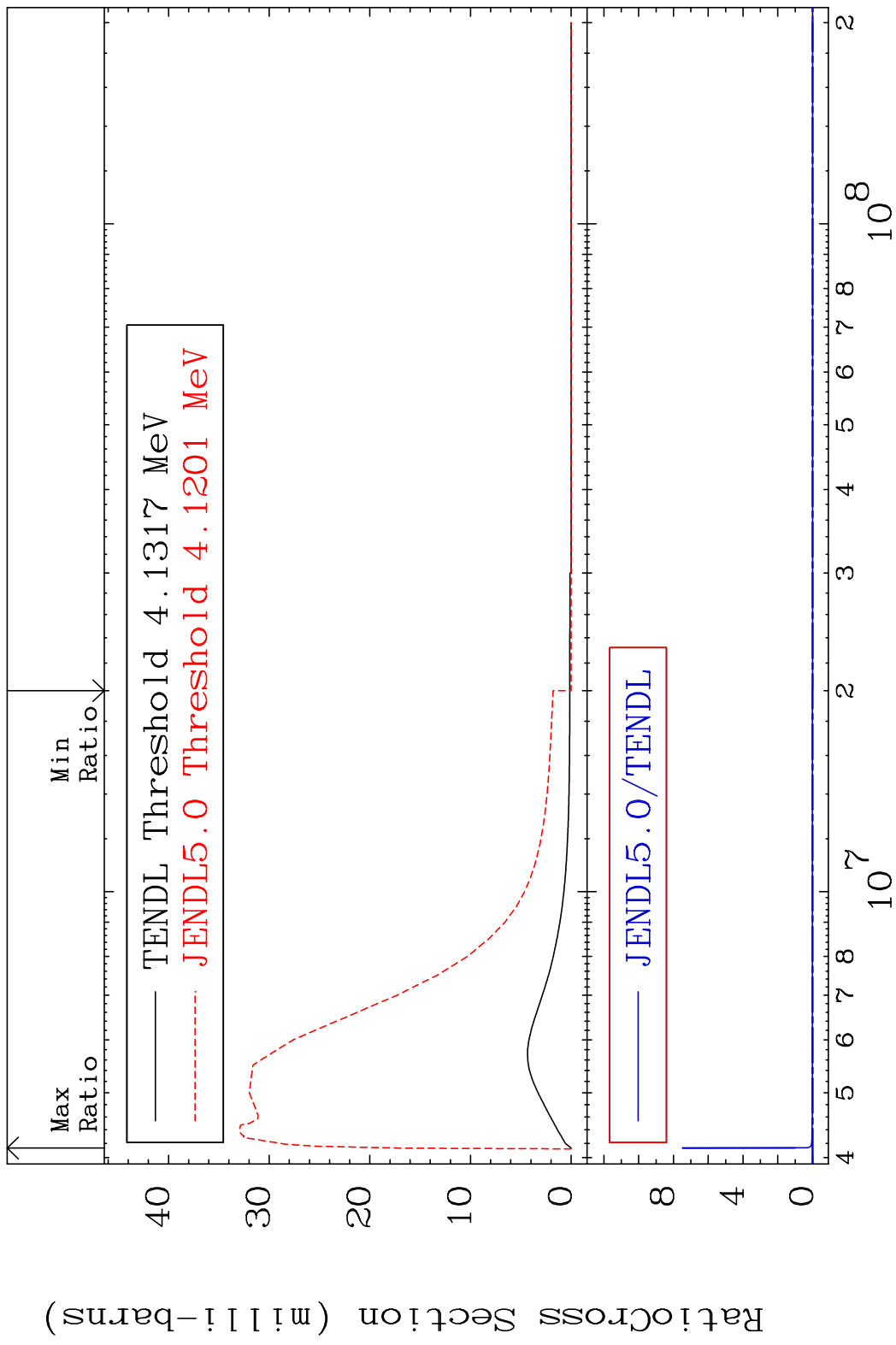
MAT 2231 MT= 70 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %



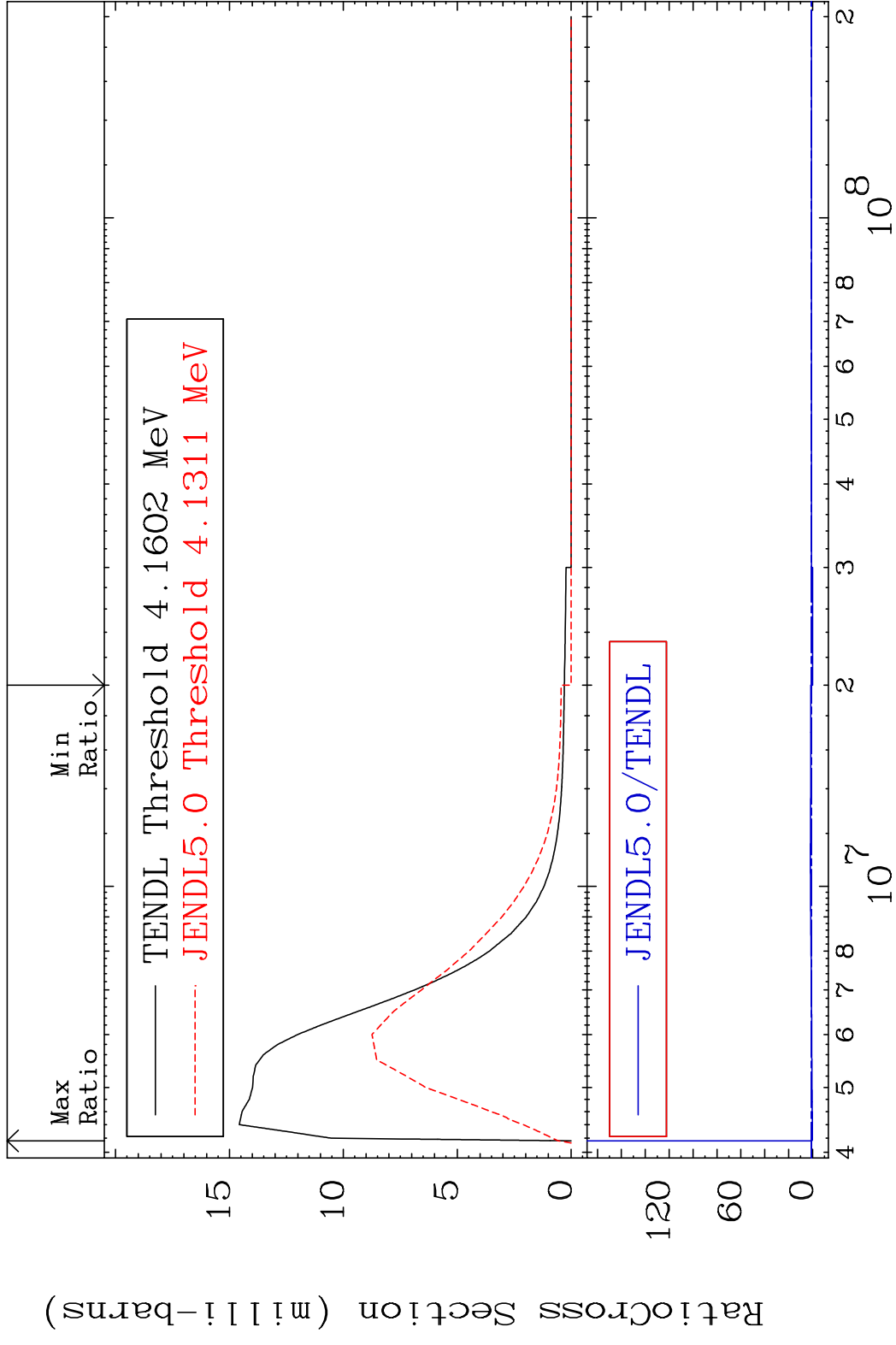
MAT 2231 MT= 71 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %



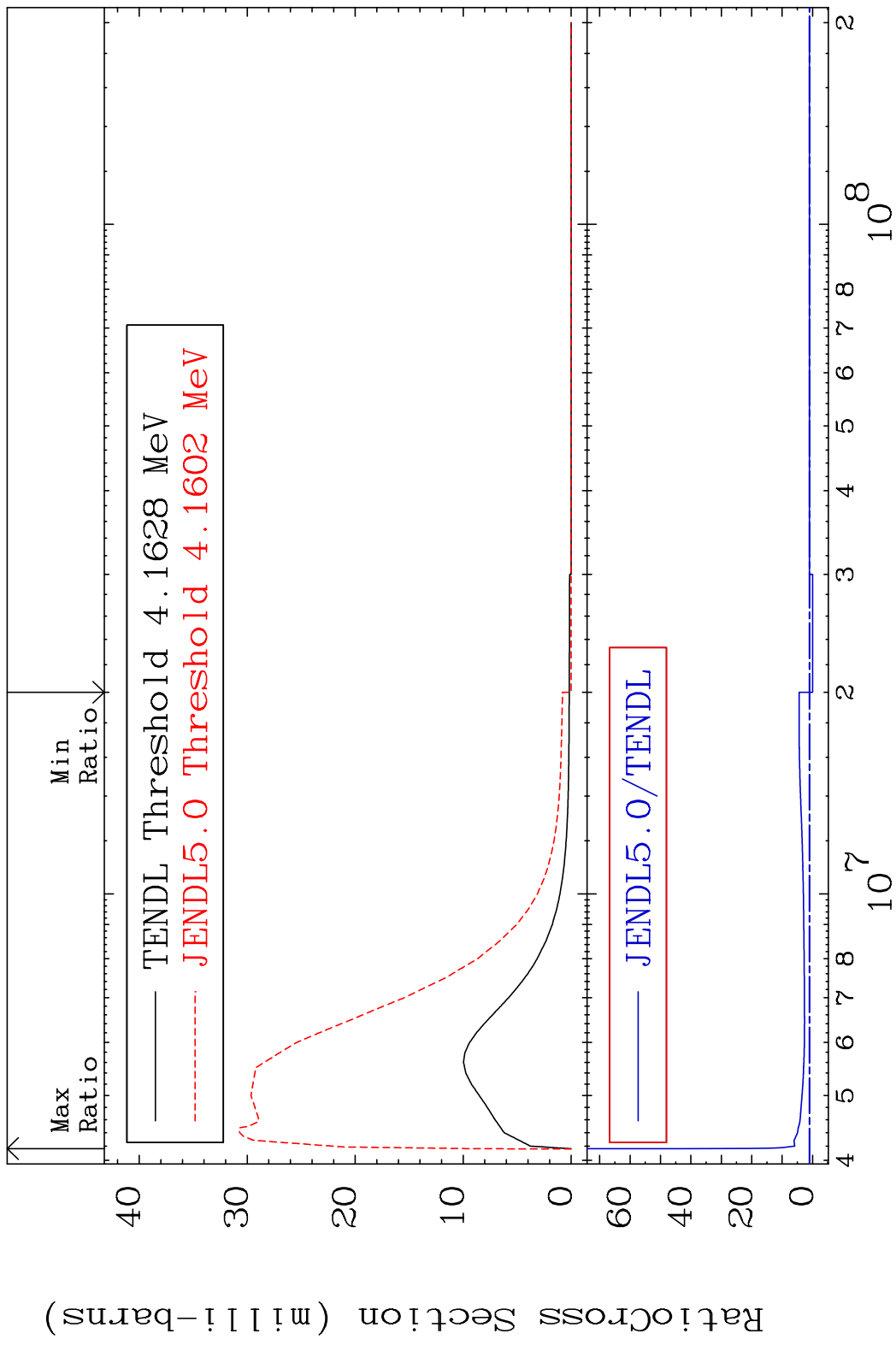
MAT 2231 MT= 72 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %



MAT 2231 MT= 73 (n, n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %

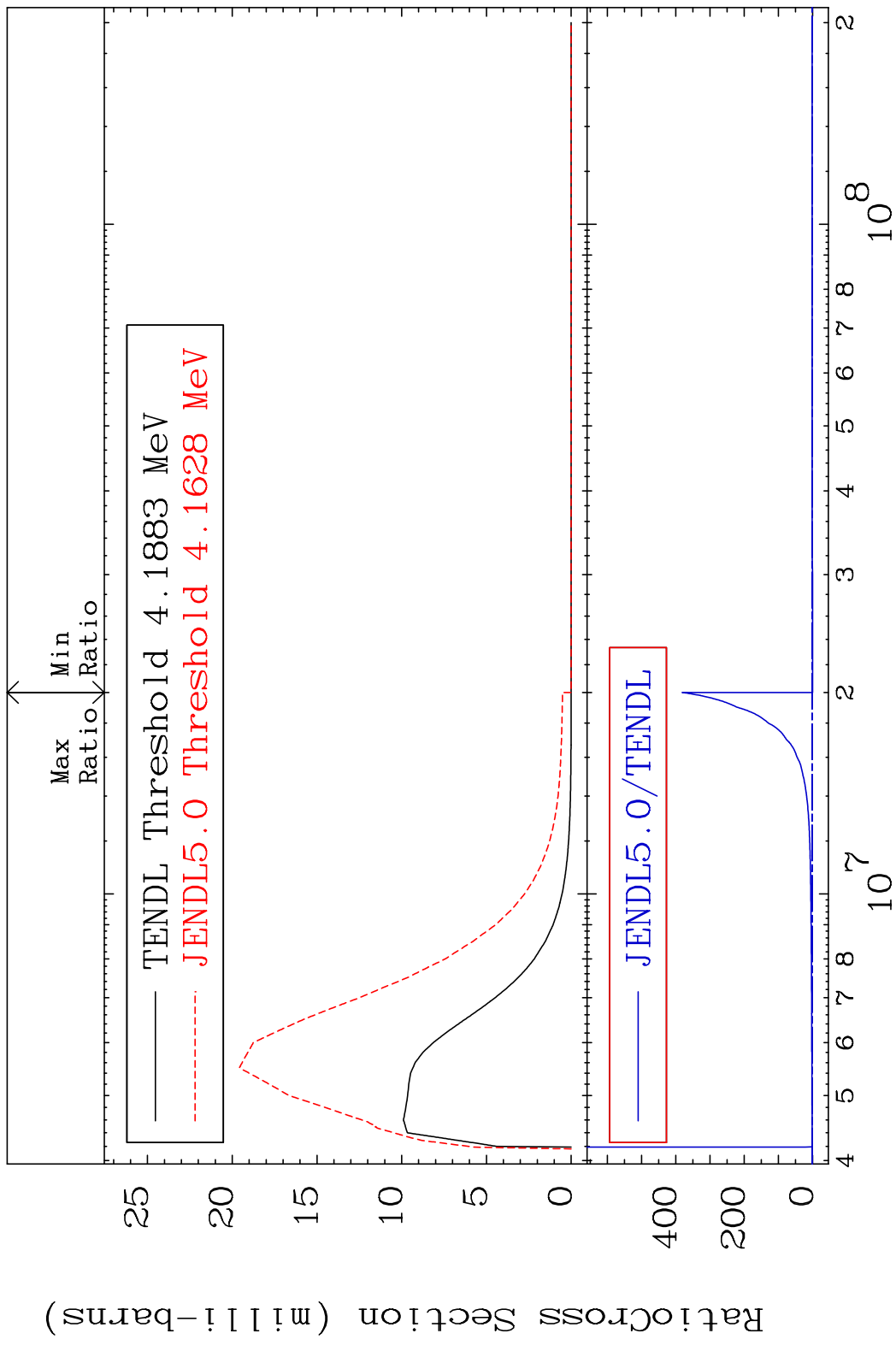


MAT 2231 MT= 74 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 4182. %

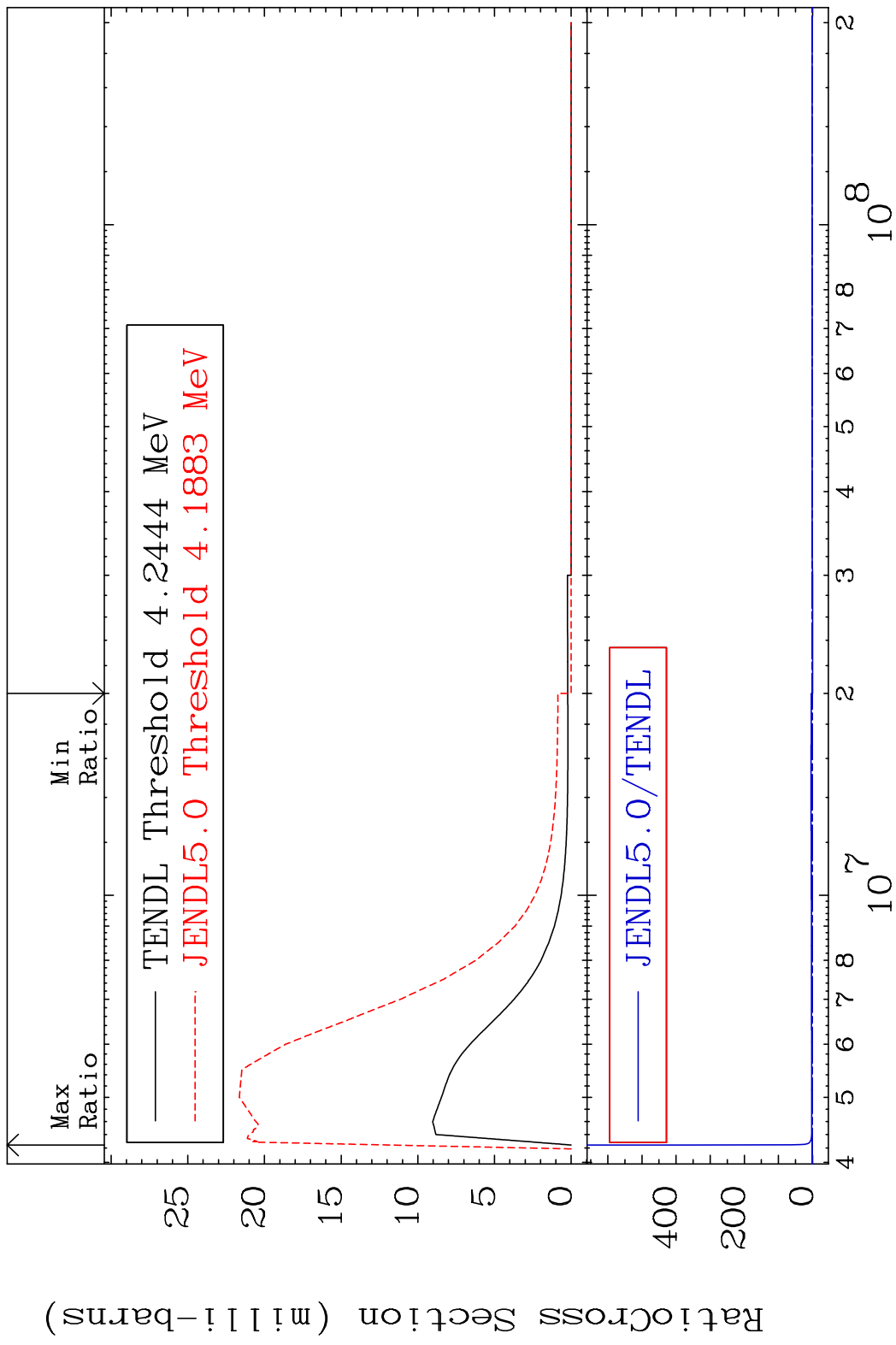




MAT 2231 MT= 75 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %

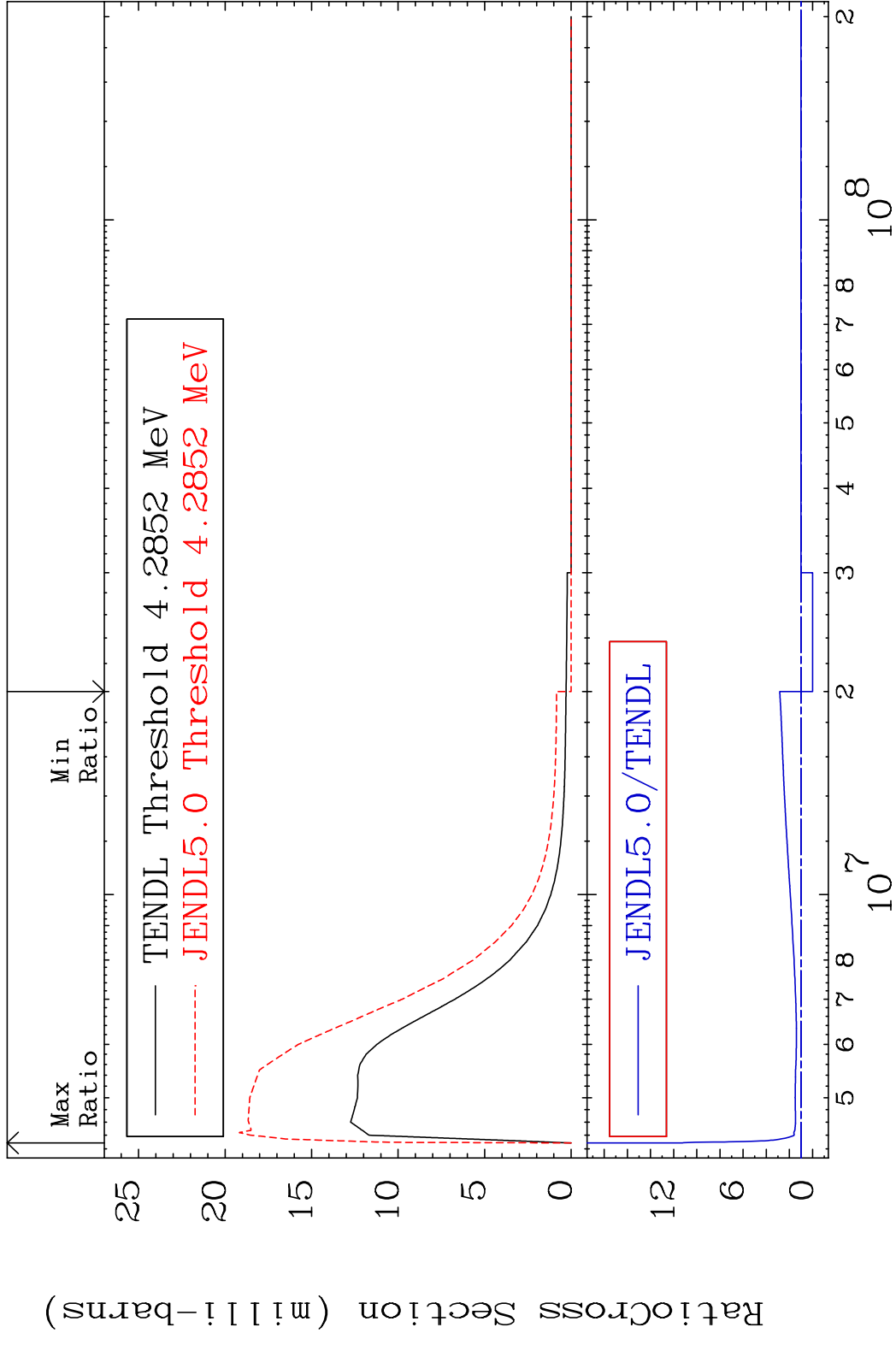


MAT 2231 MT= 76 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 9999. %

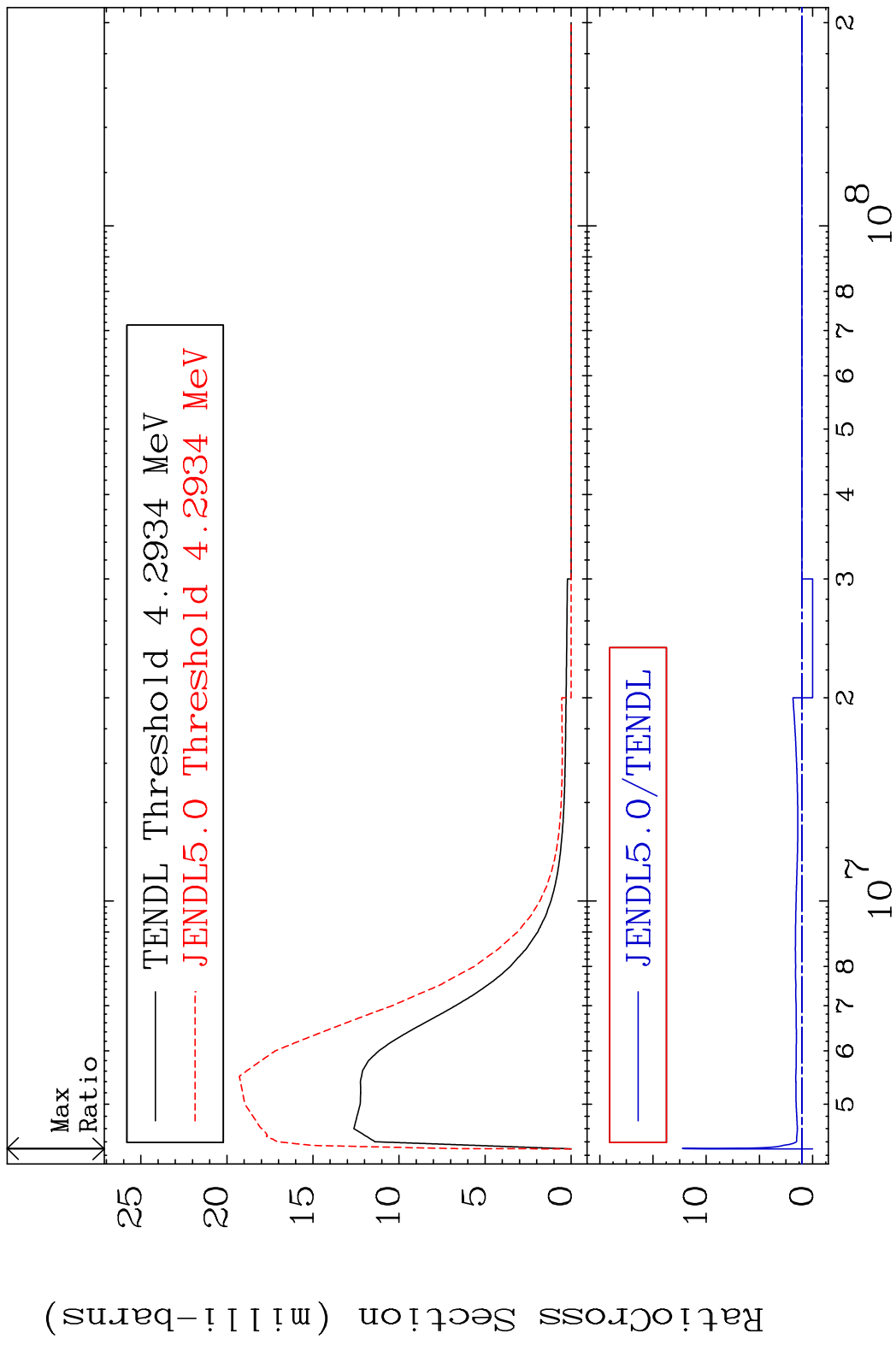


33 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 77 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 1025. %



MAT 2231 MT= 78 (n,n') Level 22-Ti-48  
 Cross Section -100.0 To 1124. %



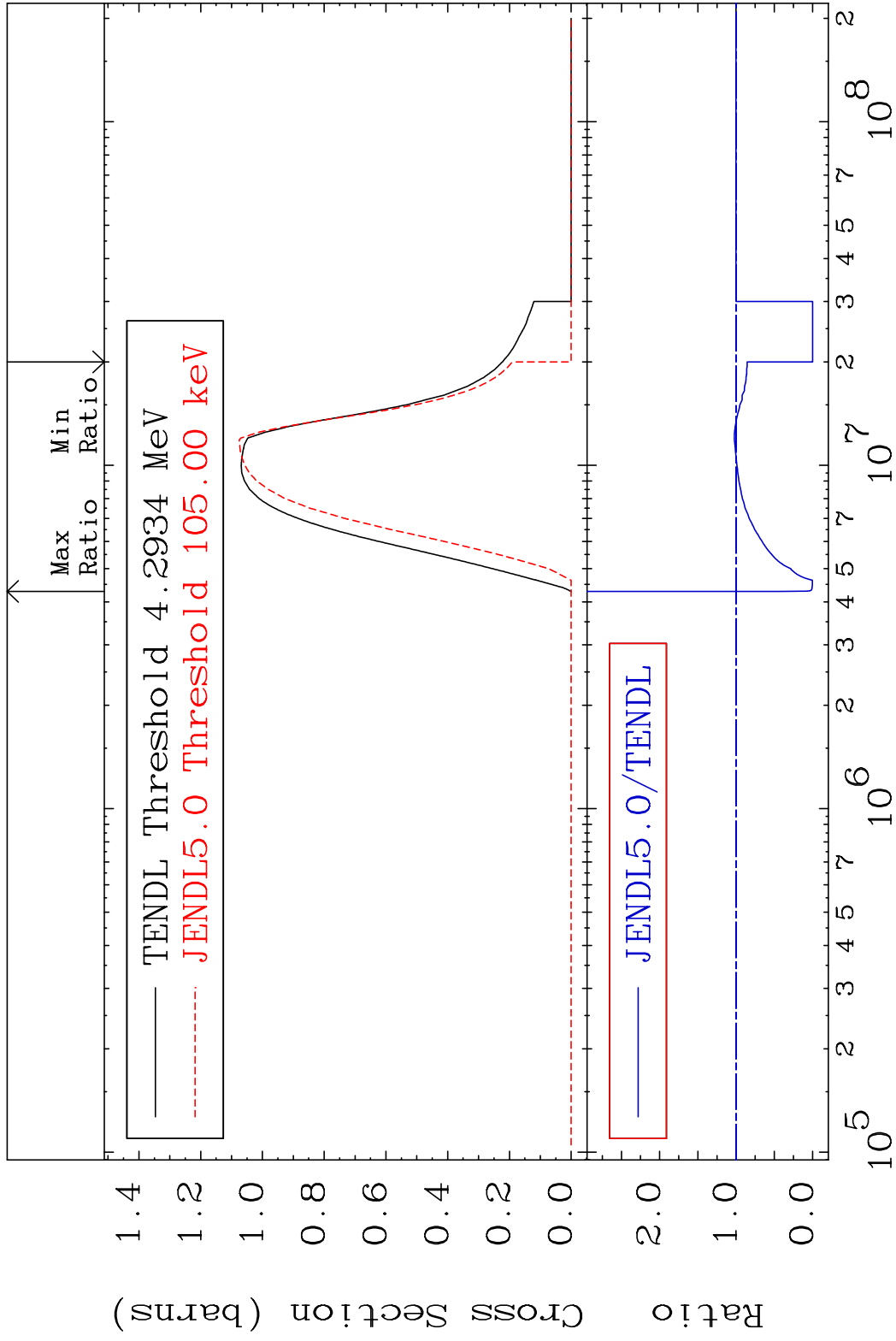
35 22-Ti-48

MAT 2231

(n,n') Continuum

<sup>22</sup>Ti-48

Cross Section -100.0 To 70.28 %



36

Incident Energy (eV)

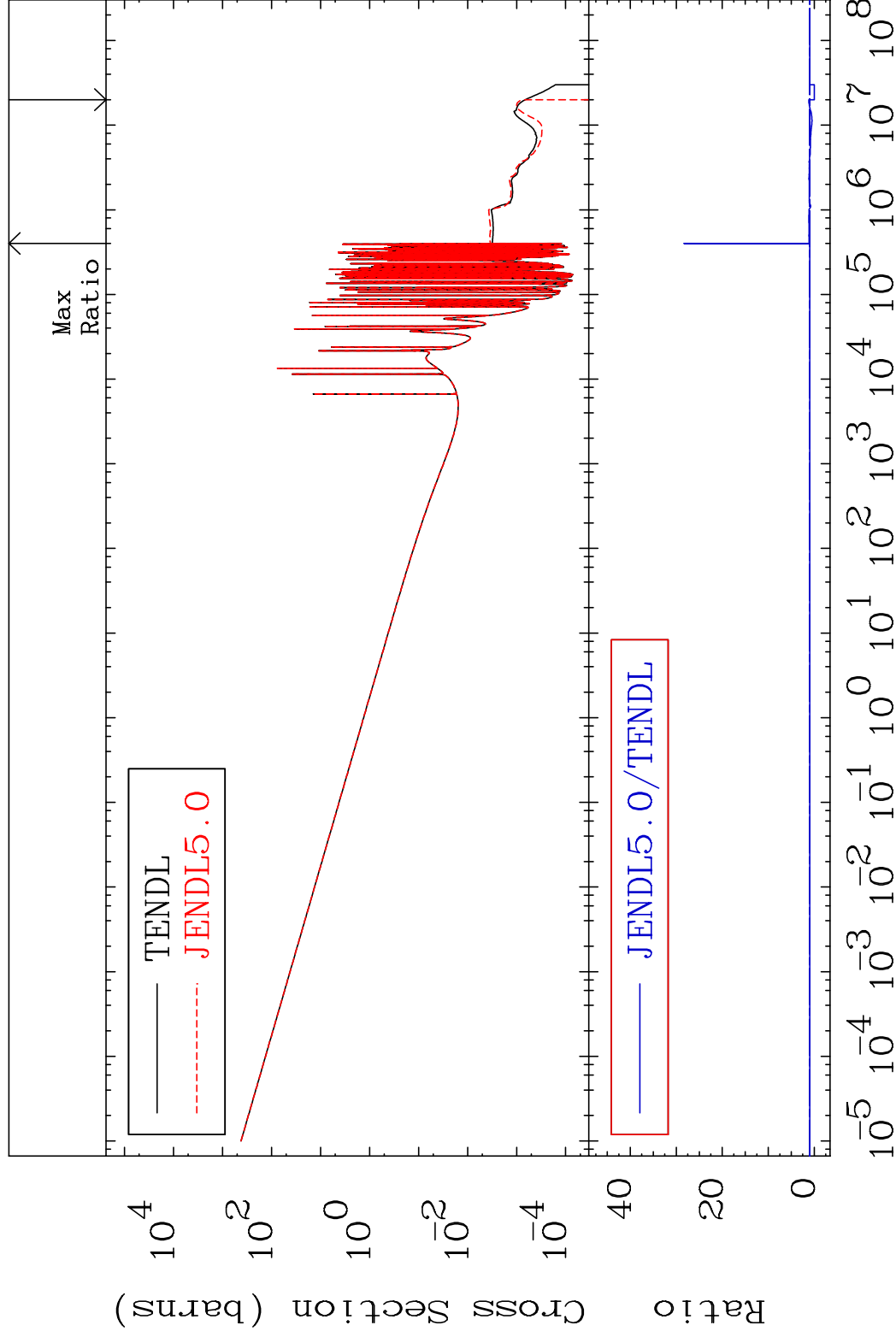
<sup>22</sup>Ti-48

MAT 2231

(n,  $\gamma$ )

22-Ti-48

Cross Section -100.0 To 2731. %

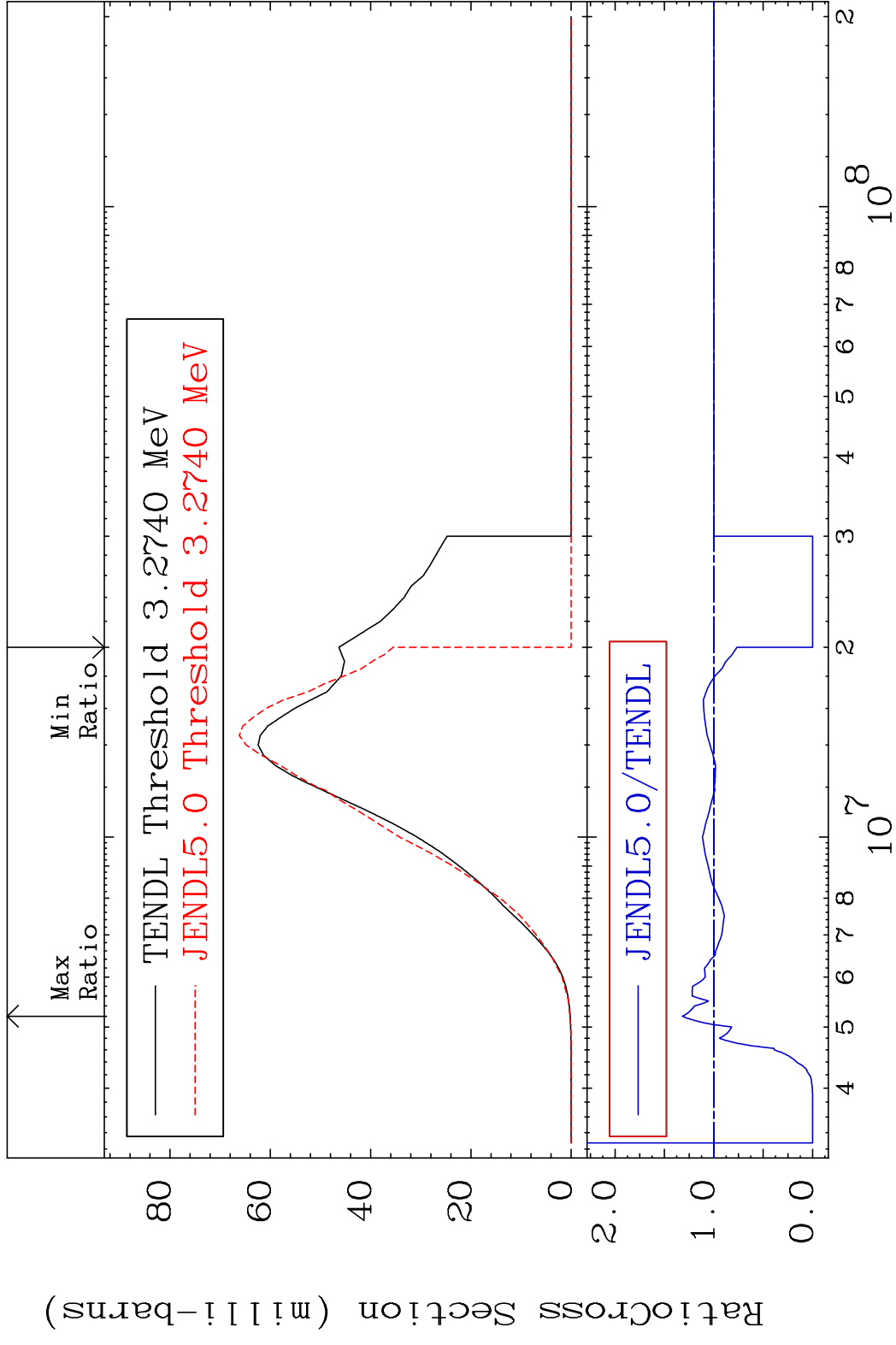


37

Incident Energy (eV)

22-Ti-48

MAT 2231 (n,p) 22-Ti-48  
 Cross Section -100.0 To 31.86 %

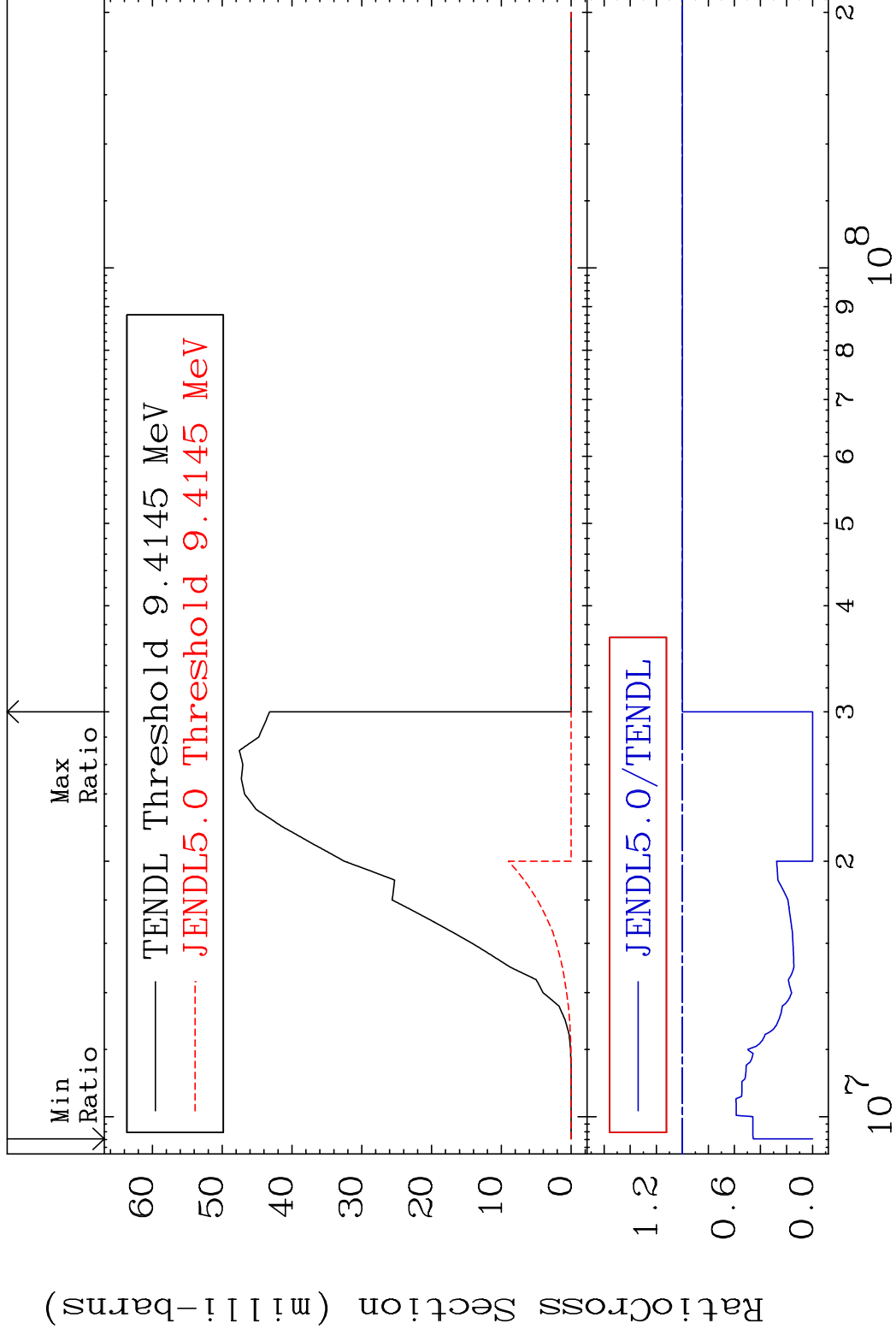


MAT 2231

(n,d)

<sup>22</sup>Ti-48

Cross Section -100.0 To 0.000 %



39

Incident Energy (eV)

<sup>22</sup>Ti-48

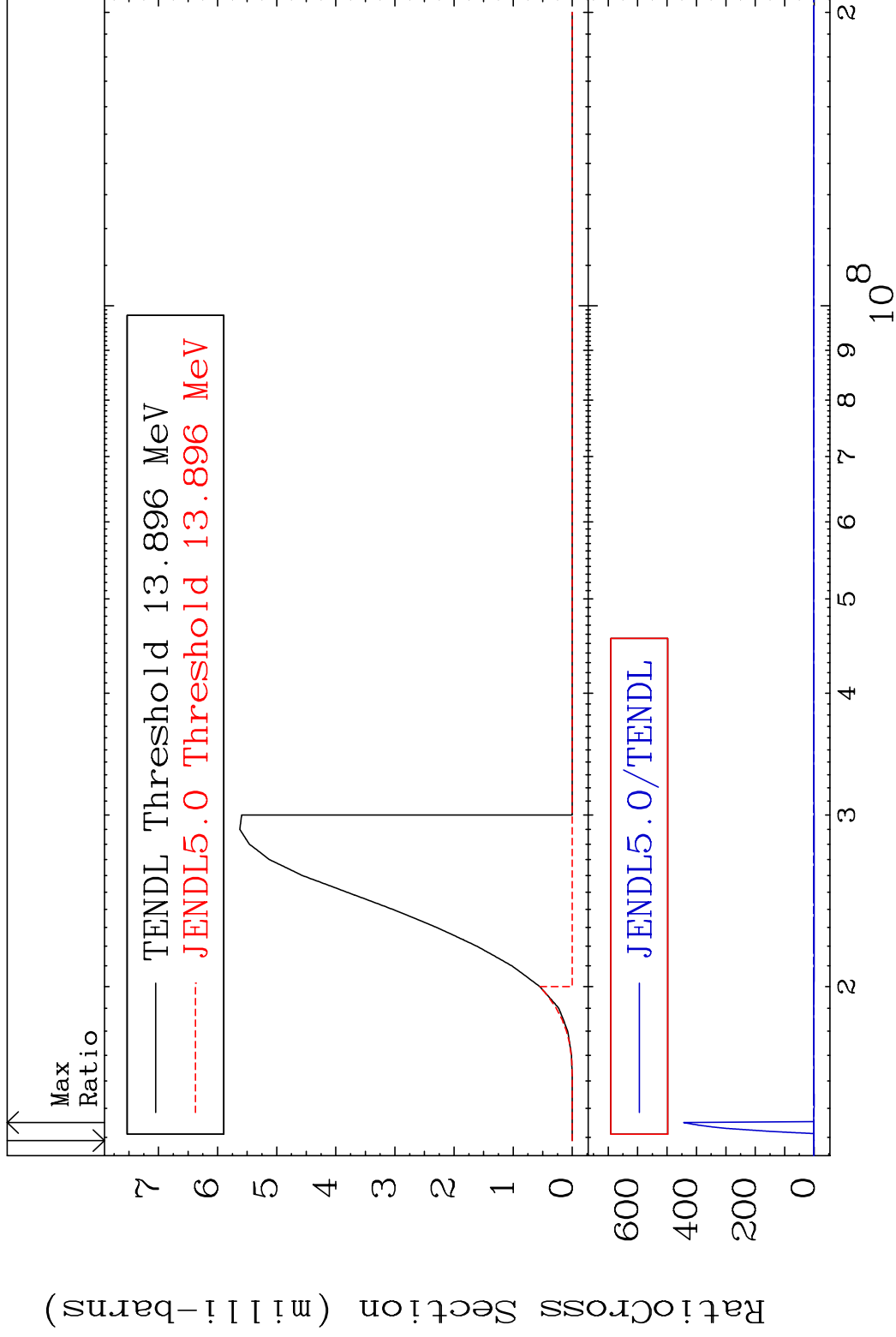


MAT 2231

(n, t)

22-Ti-48

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

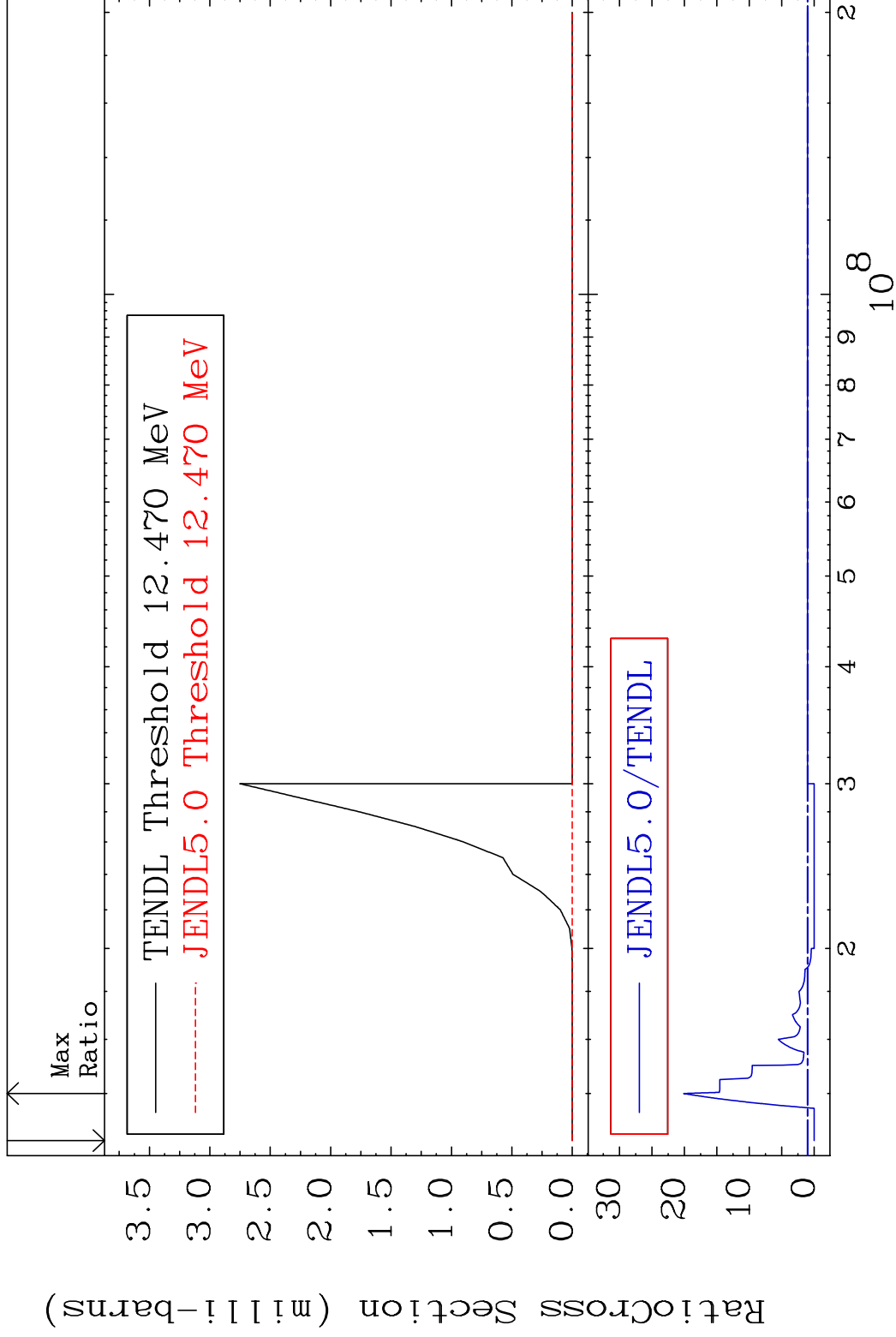
22-Ti-48

MAT 2231

(n, He-3)

22-Ti-48

Cross Section -100.0 To 1910. %

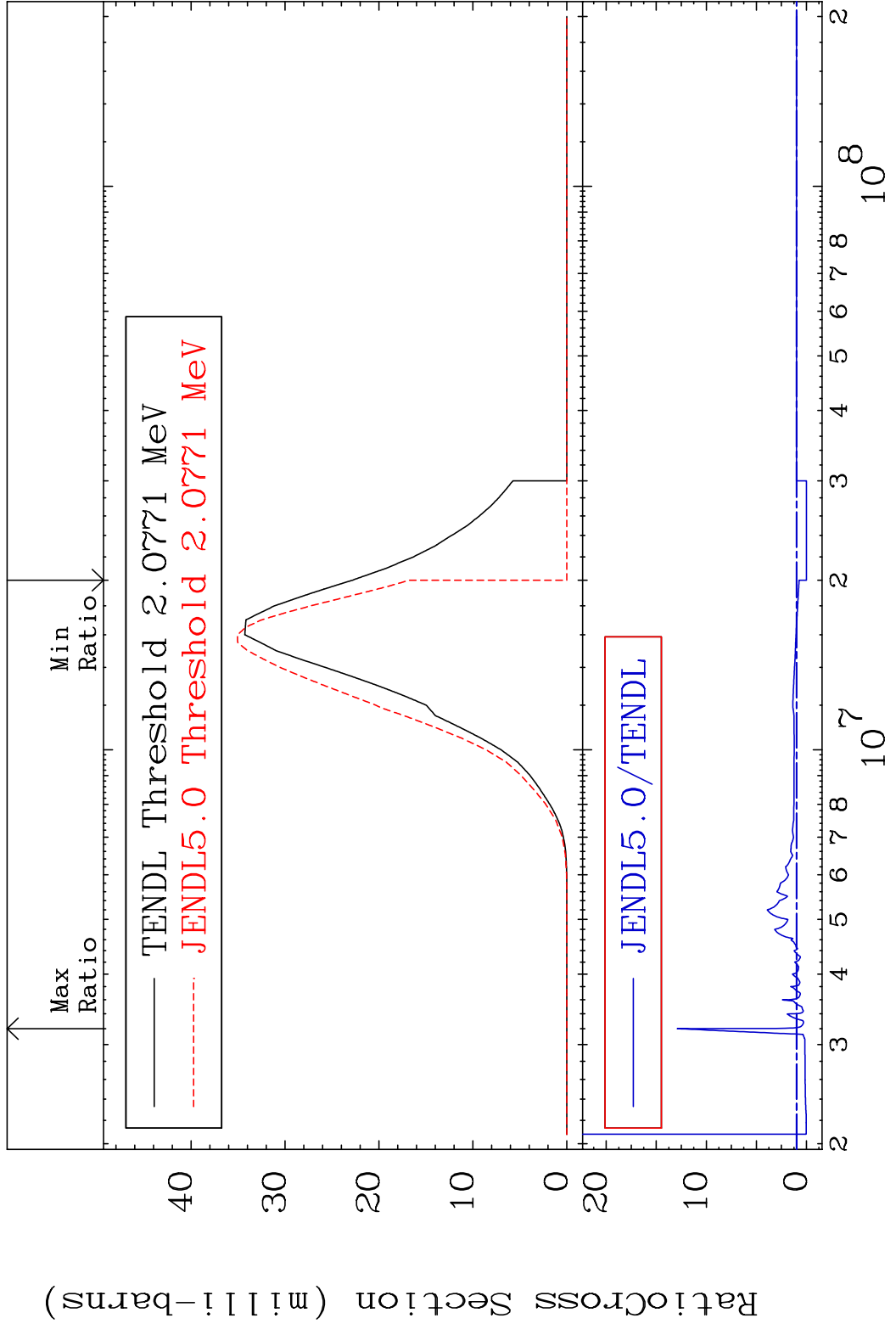


41

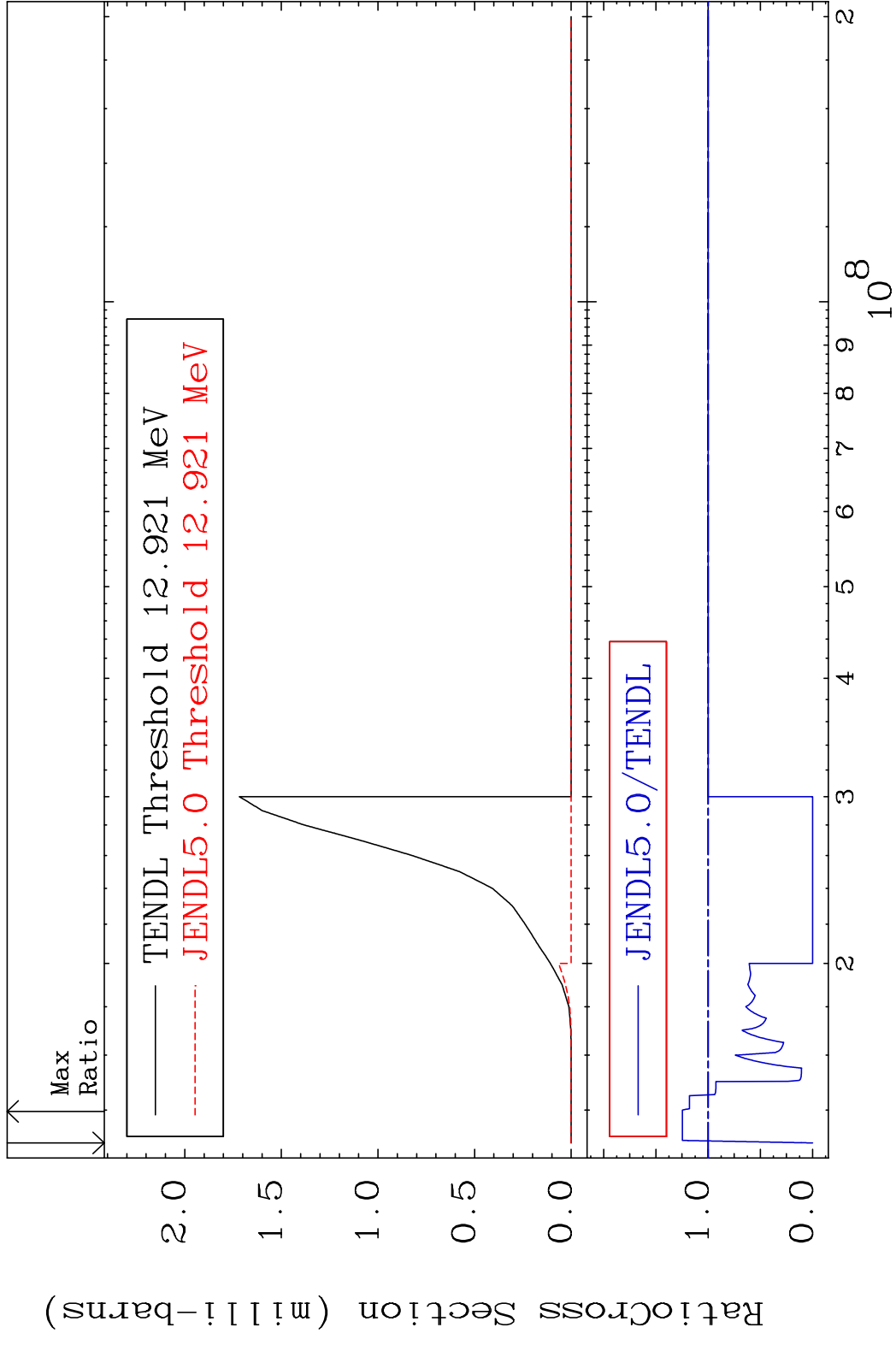
Incident Energy (eV)

22-Ti-48

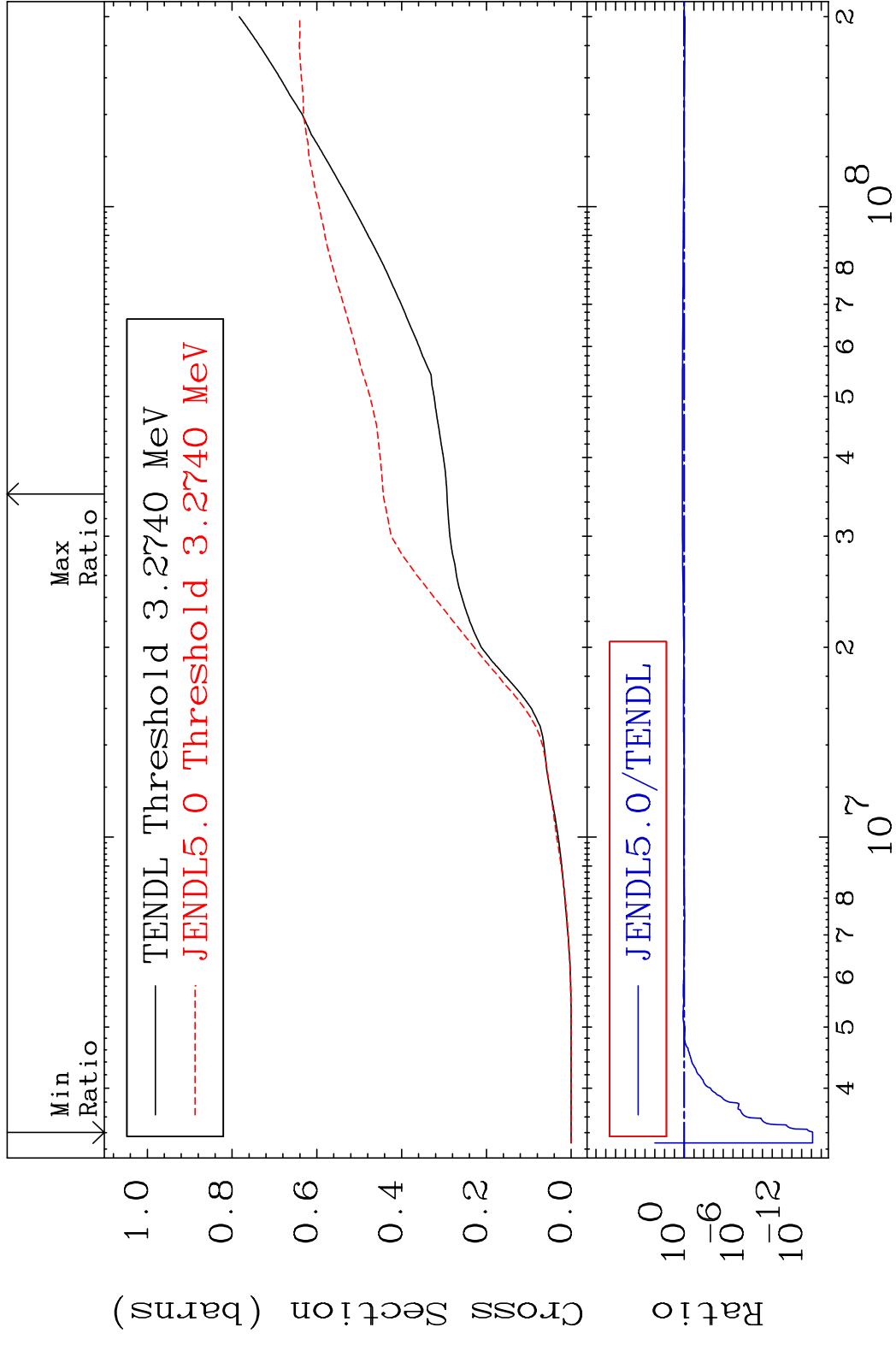
MAT 2231 (n,  $\alpha$ ) 22-Ti-48  
 Cross Section -100.0 To 1191. %



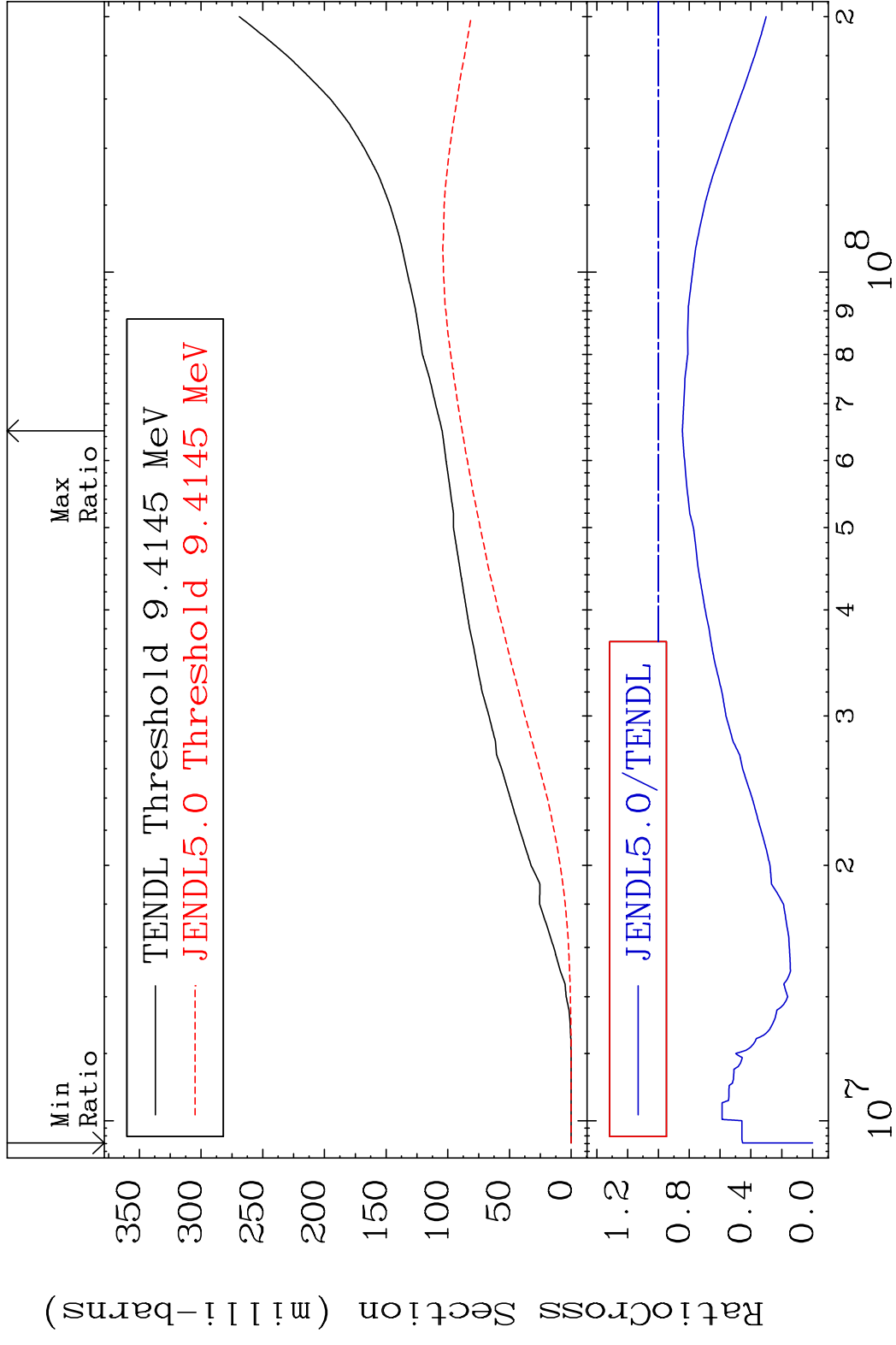
MAT 2231 (n,2p) 22-Ti-48  
 Cross Section -100.0 To 24.68 %



MAT 2231 Hydrogen Production  $^{22}\text{Ti-48}$   
 Cross Section -100.0 To 51.20 %

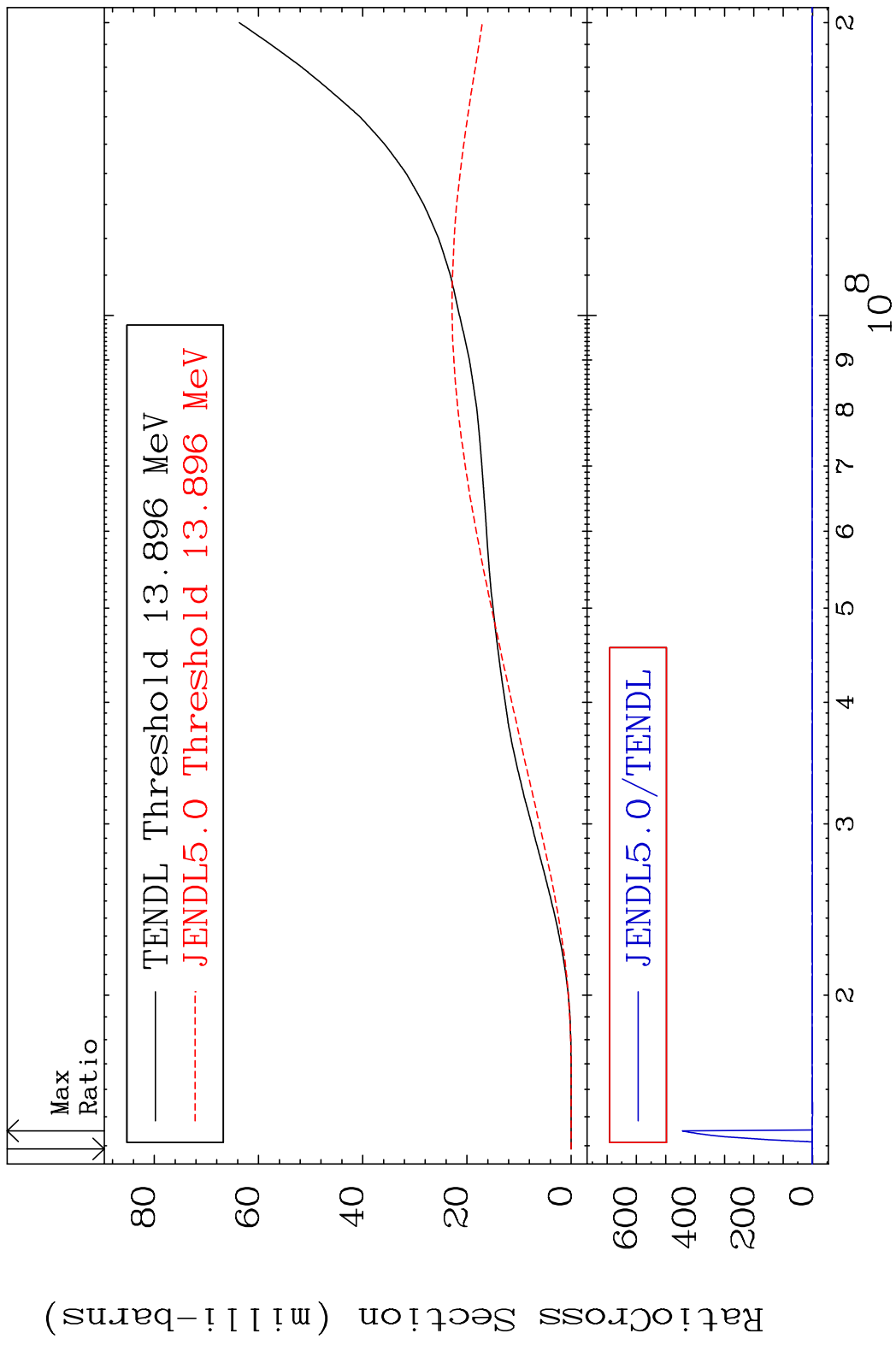


MAT 2231 Deuterium Production  $^{22}\text{Ti-48}$   
 Cross Section -100.0 To -15.51%

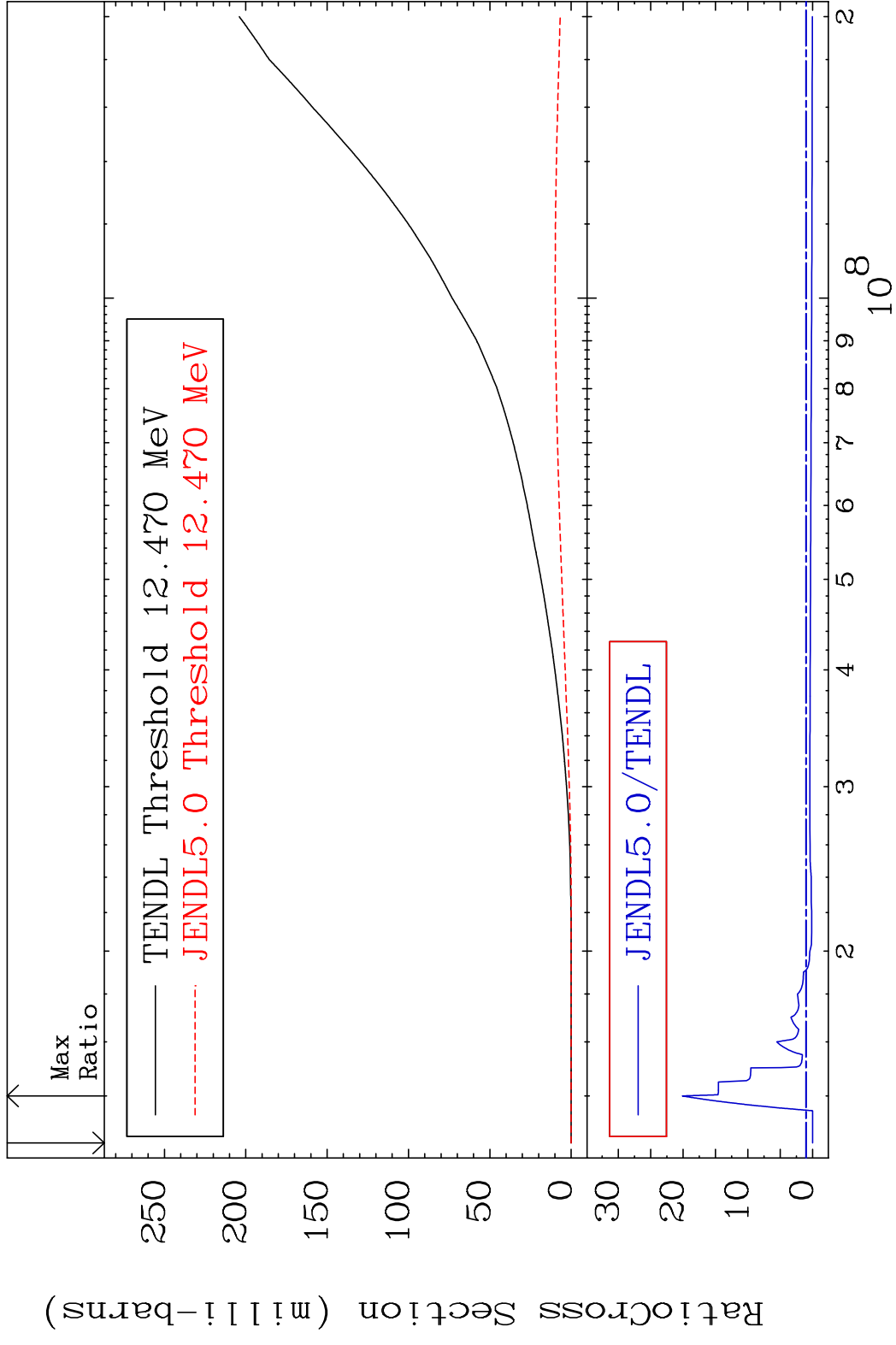


45 Incident Energy (eV)  $^{22}\text{Ti-48}$

MAT 2231 Tritium Production 22-Ti-48  
 Cross Section -100.0 To 9999. %



MAT 2231 He-3 Production 22-Ti-48  
 Cross Section -100.0 To 1910. %



47 22-Ti-48

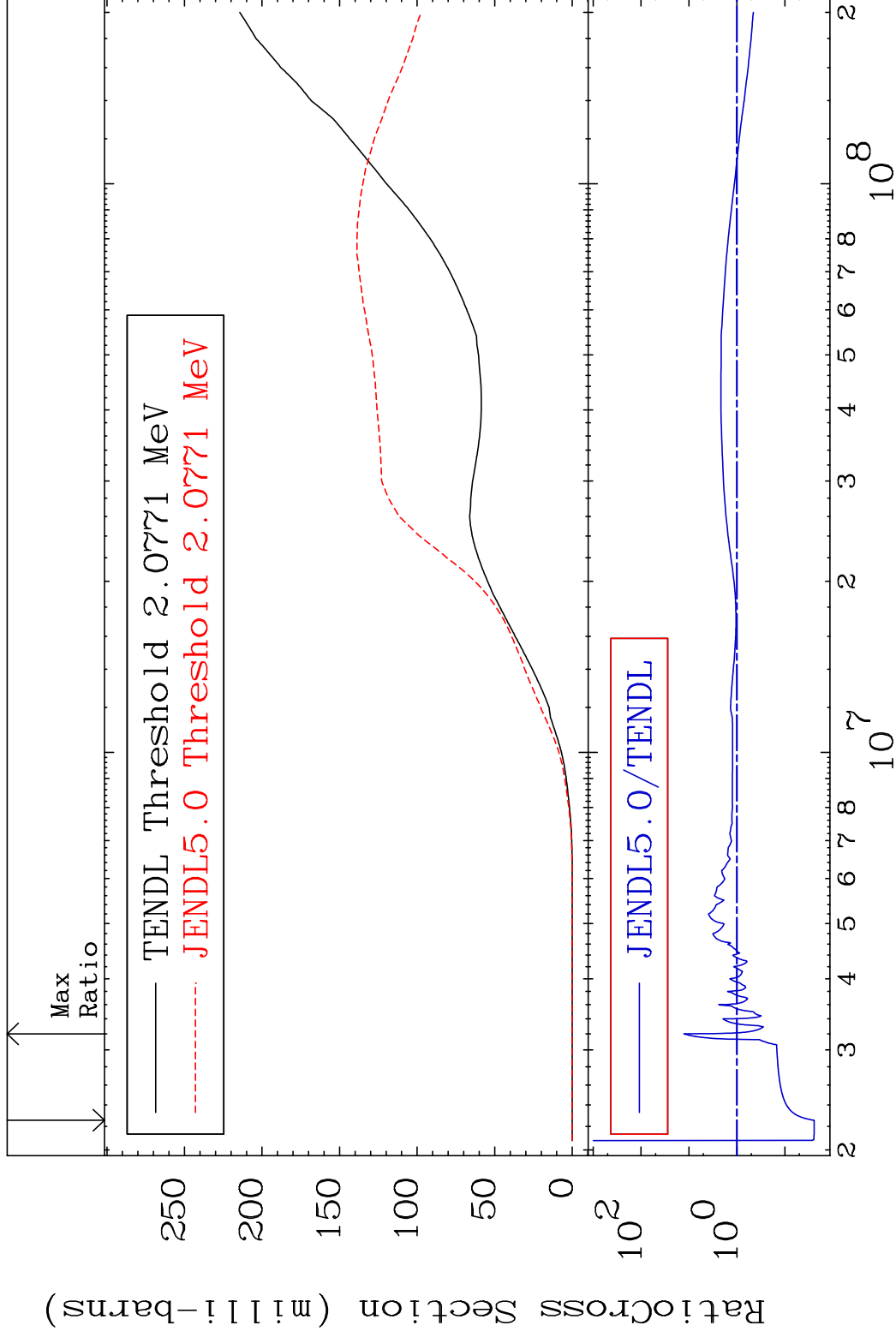


MAT 2231

He-4 Production

22-Ti-48

Cross Section -97.55 To 1191. %

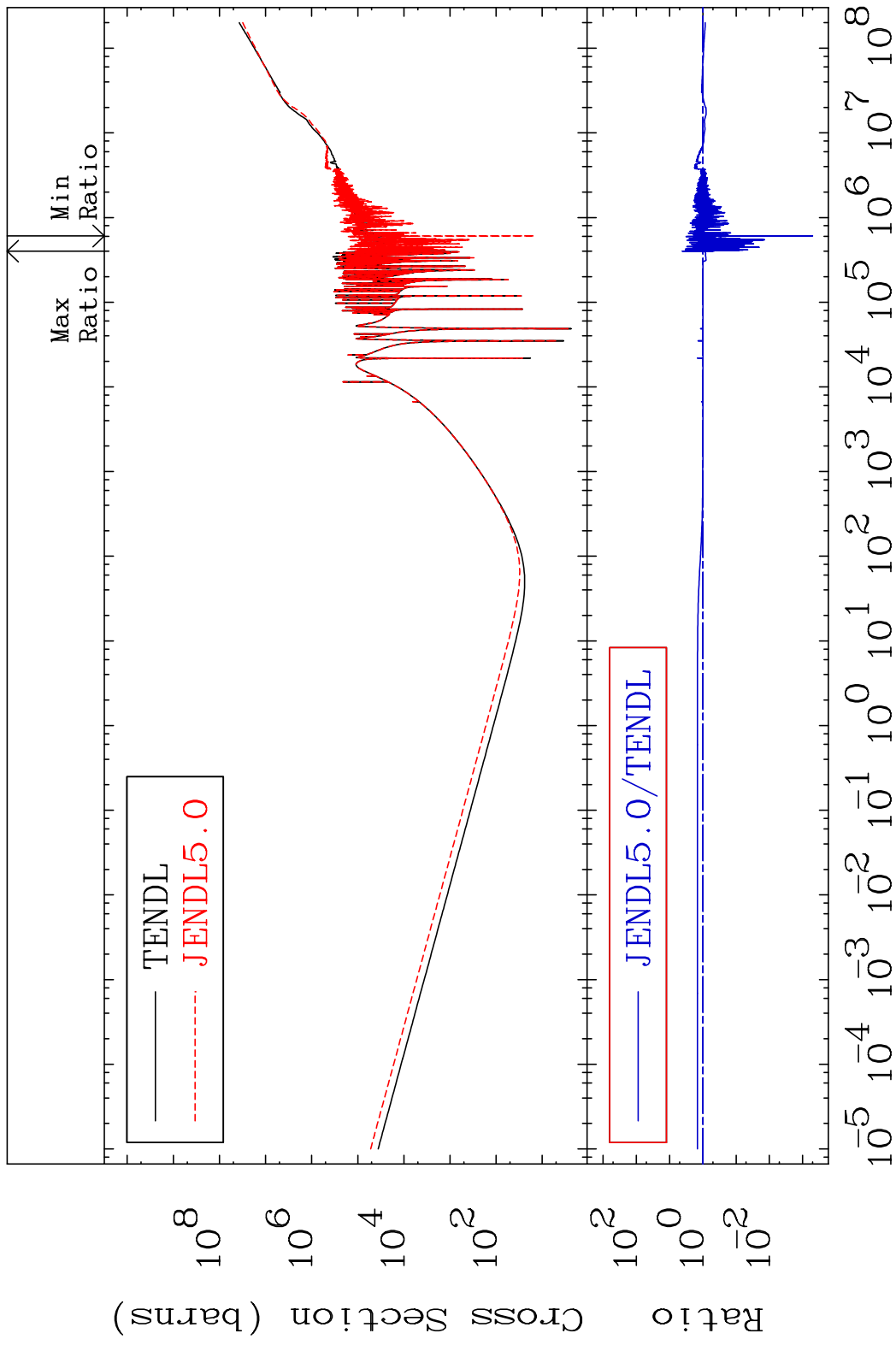


48

Incident Energy (eV)

22-Ti-48

MAT 2231 Kerma total (eV-barns) 22-Ti-48  
Cross Section -99.95 To 313.7 %

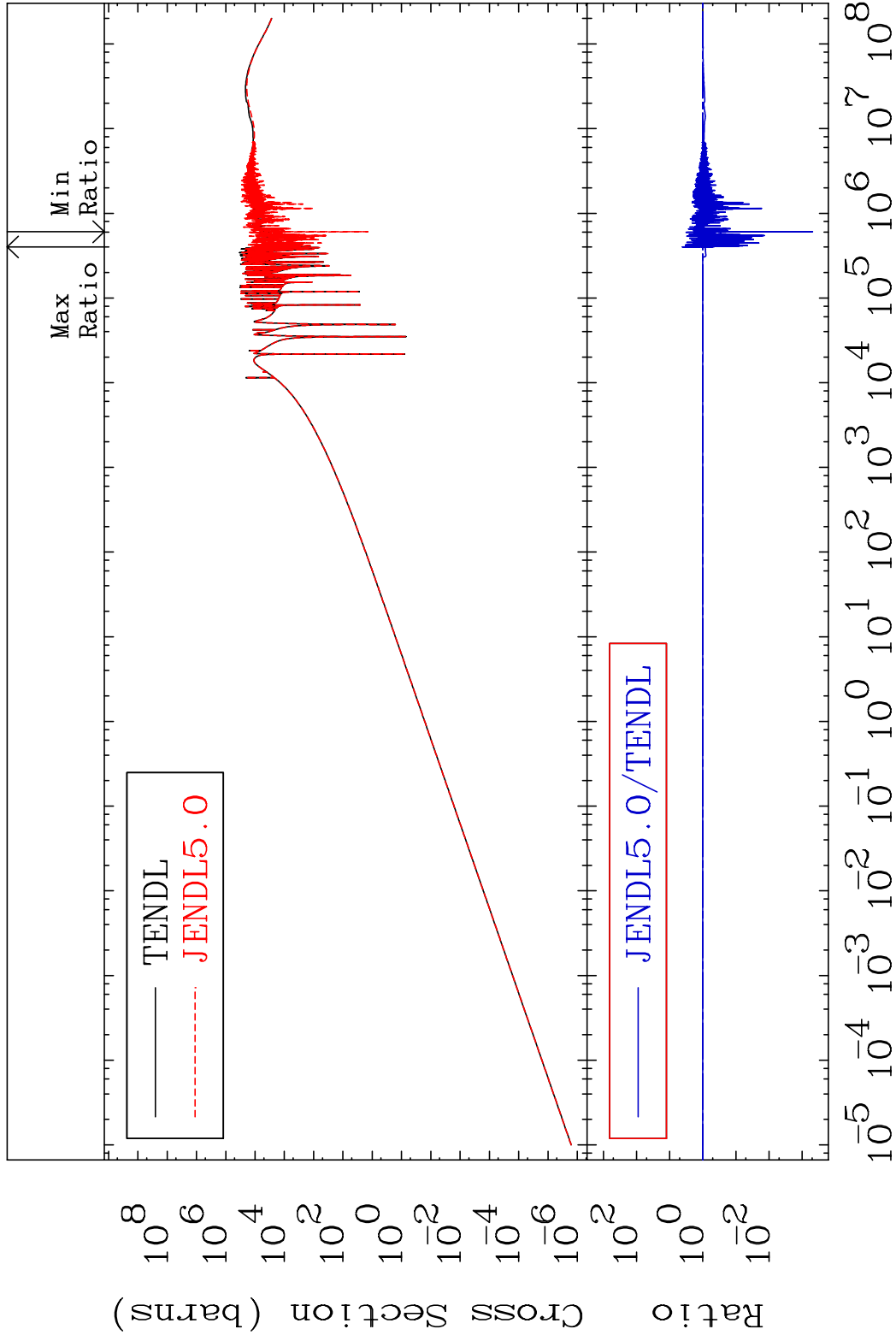


49 Incident Energy (eV) 22-Ti-48

MAT 2231

Kerma elastic  
Cross Section

22-Ti-48  
-99.95 To 313.7 %

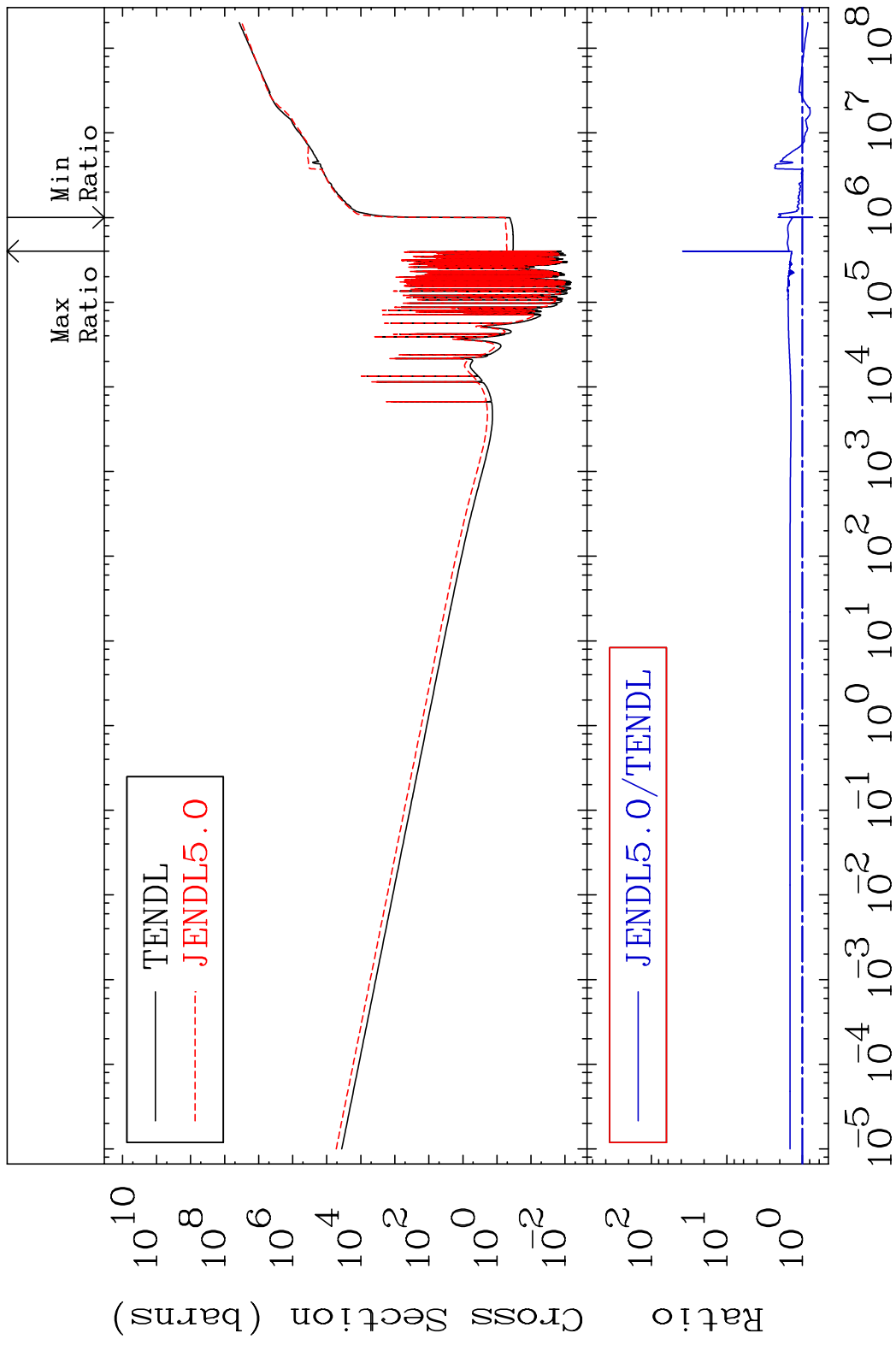


50

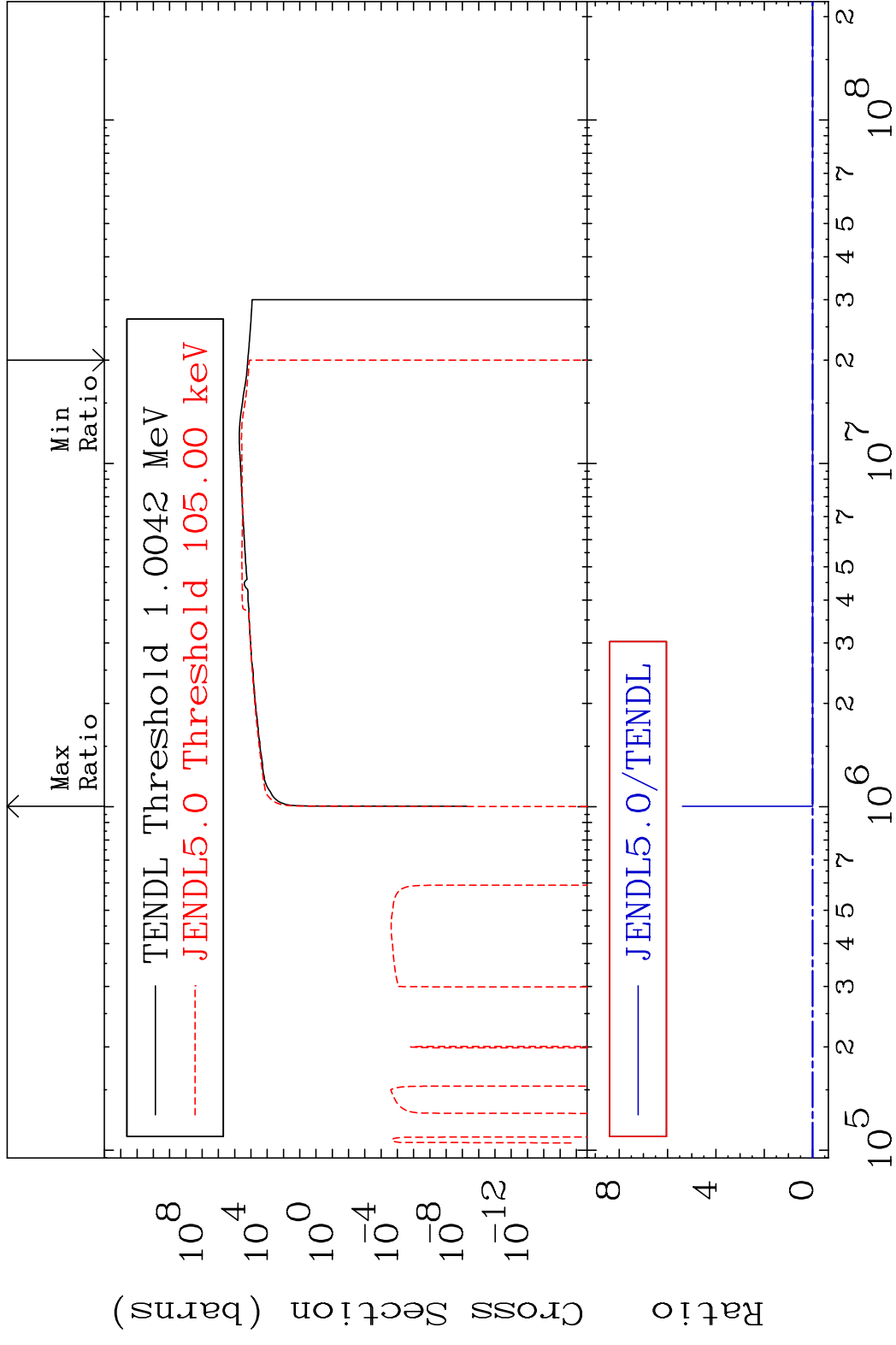
Incident Energy (eV)

22-Ti-48

MAT 2231 Kerma non-elastic (all but mt2) 22-Ti-48  
 Cross Section -26.59 To 3779. %

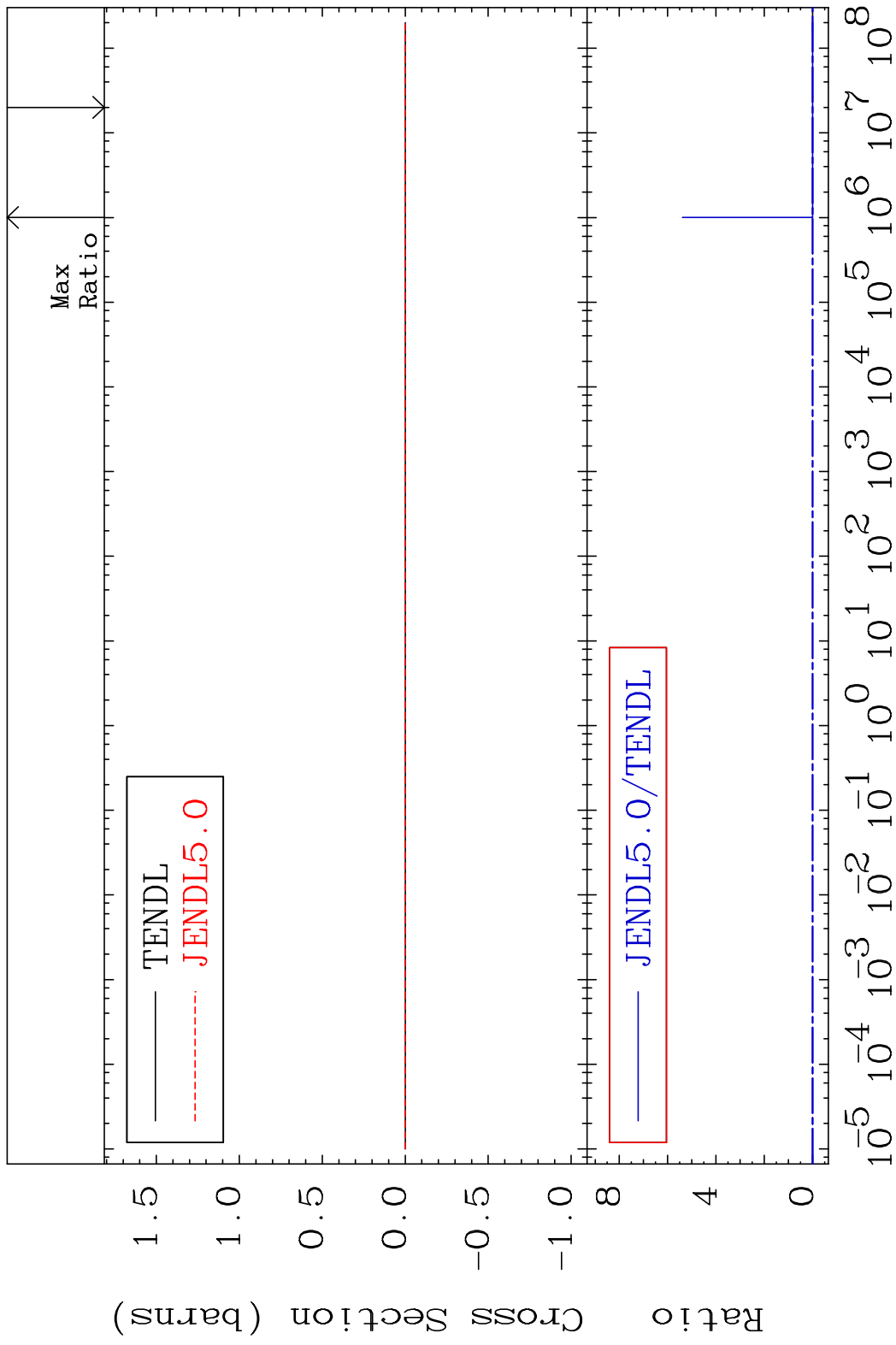


MAT 2231 Kerma inelastic (mt51-91) 22-Ti-48  
 Cross Section -100.0 To 9999. %

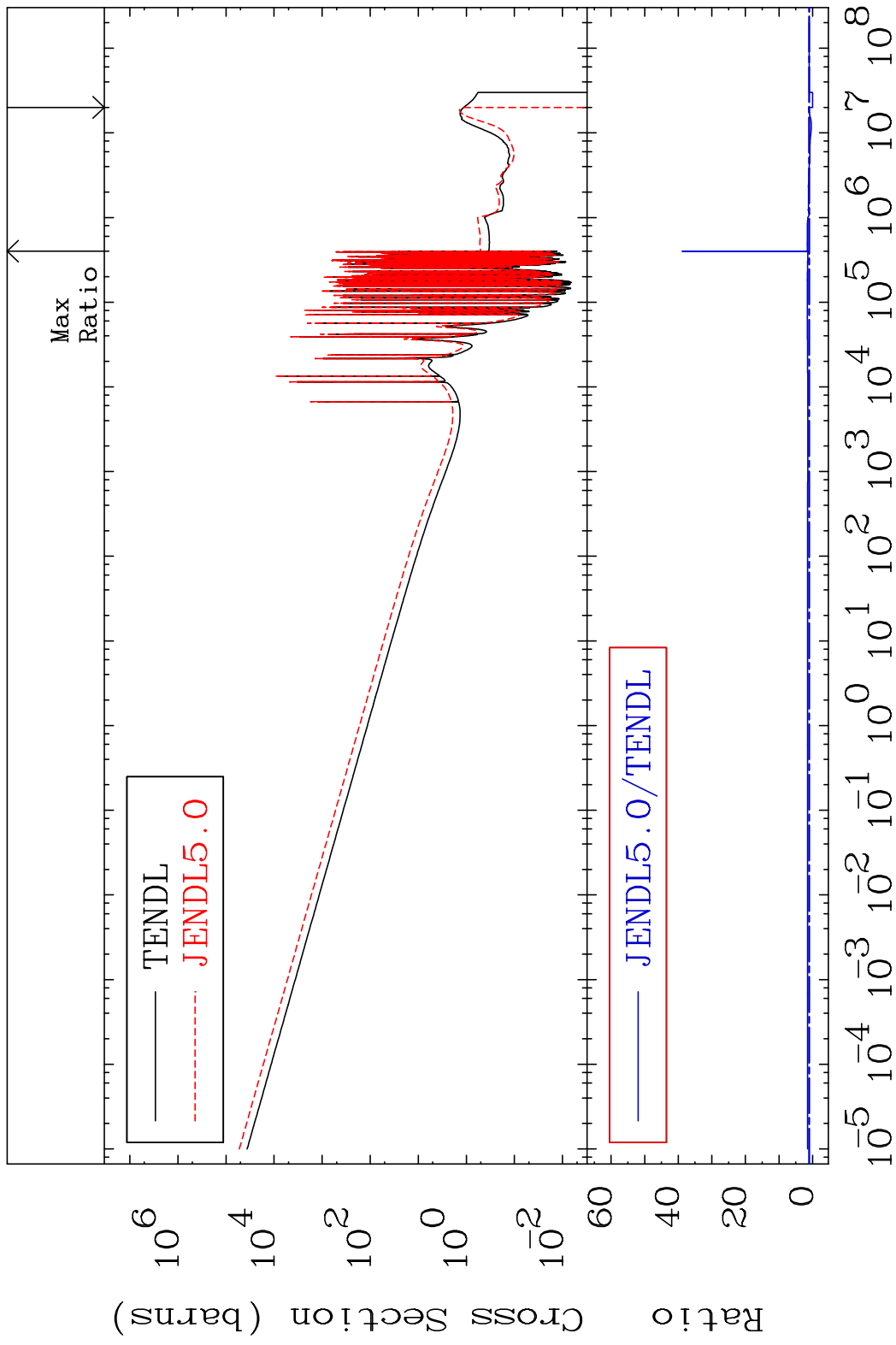


52 22-Ti-48

MAT 2231 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-48  
 Cross Section -100.0 To 9999. %

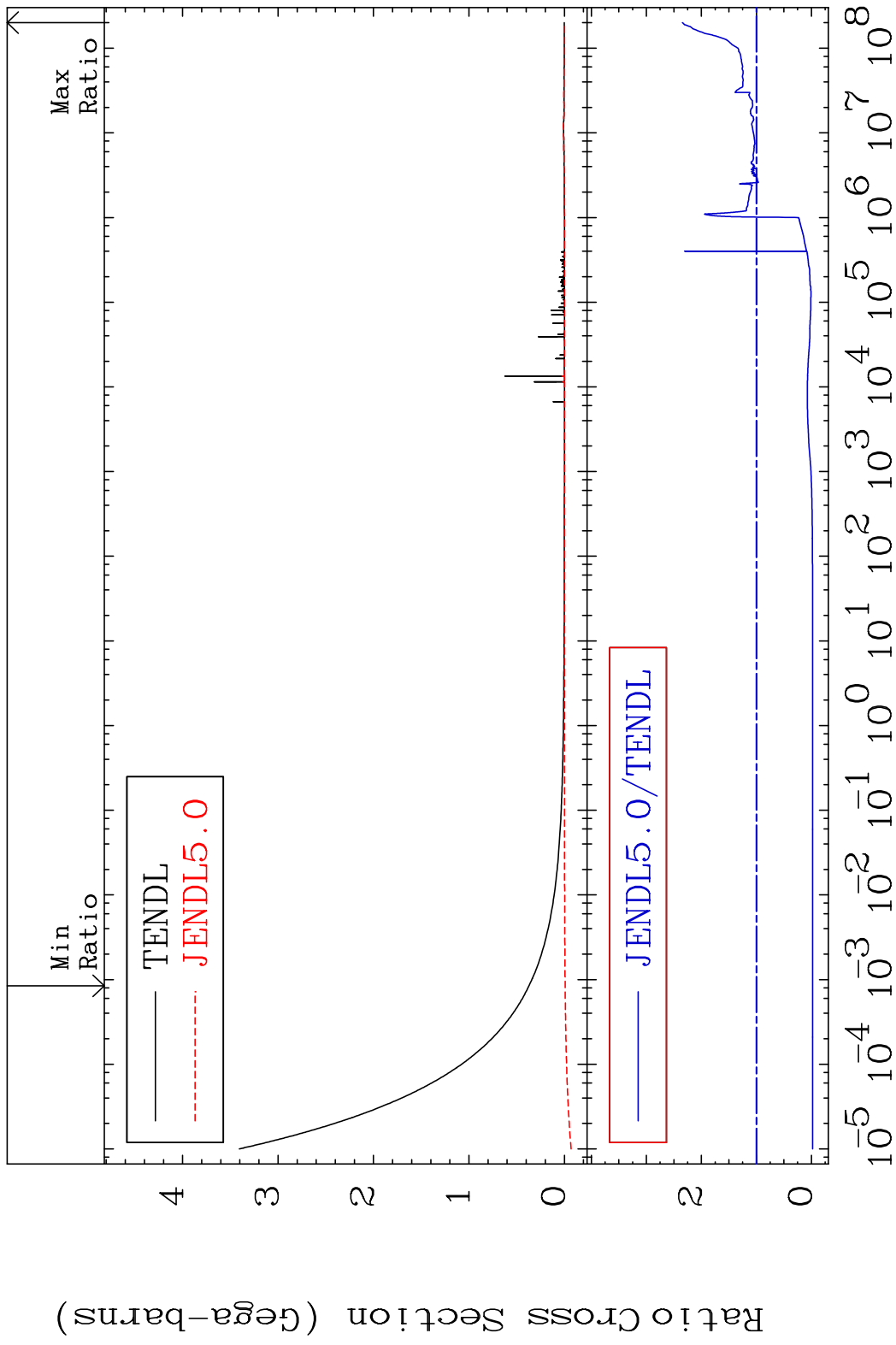


MAT 2231 Kerma capture (mt102) 22-Ti-48  
 Cross Section -100.0 To 3778. %



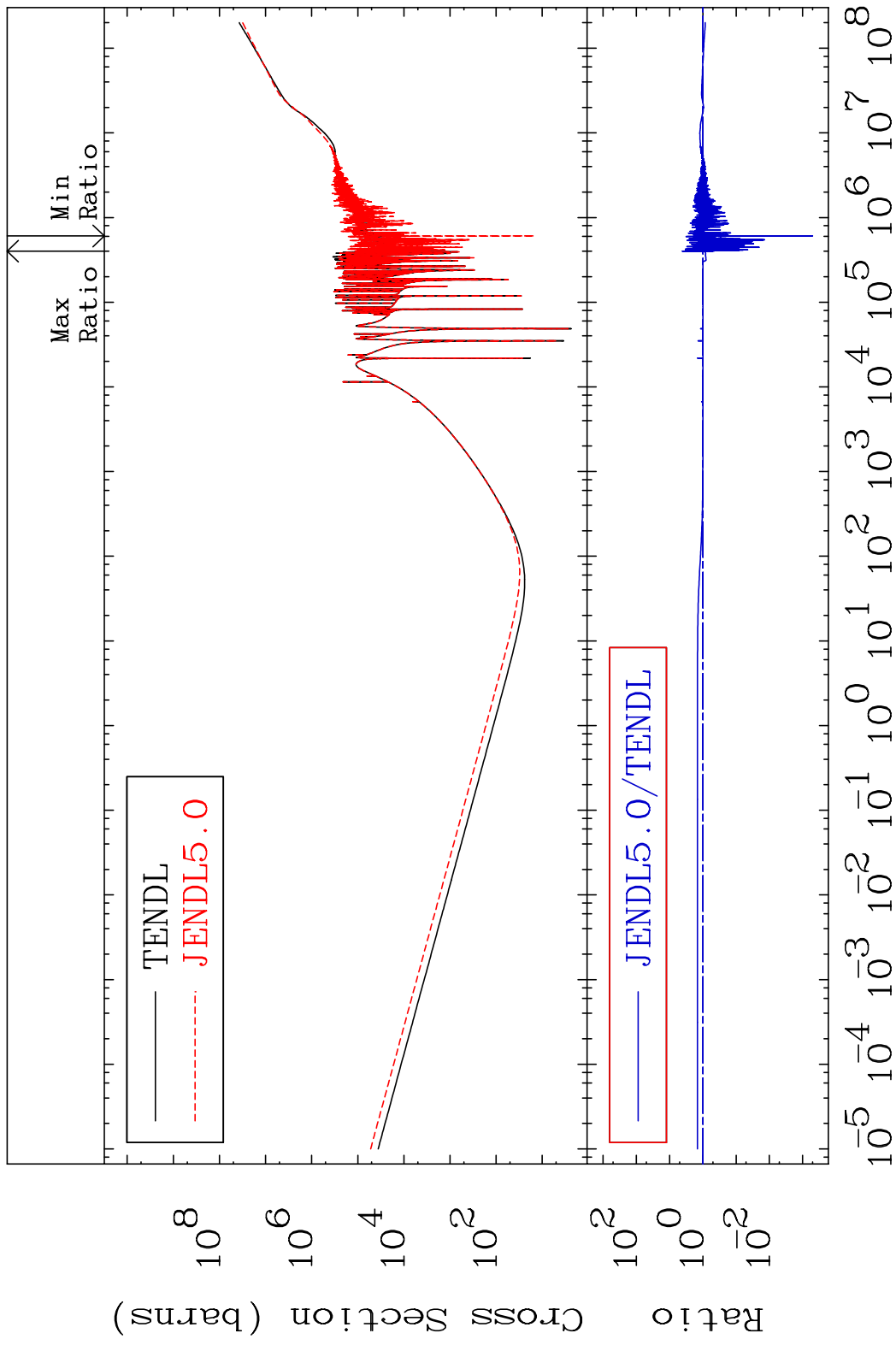
54 Incident Energy (eV) 22-Ti-48

MAT 2231 Total photon (eV-barns) 22-Ti-48  
Cross Section -102.1 To 134.6 %





MAT 2231 Total kinematic kerma (high limit) 22-Ti-48  
 Cross Section -99.95 To 313.7 %

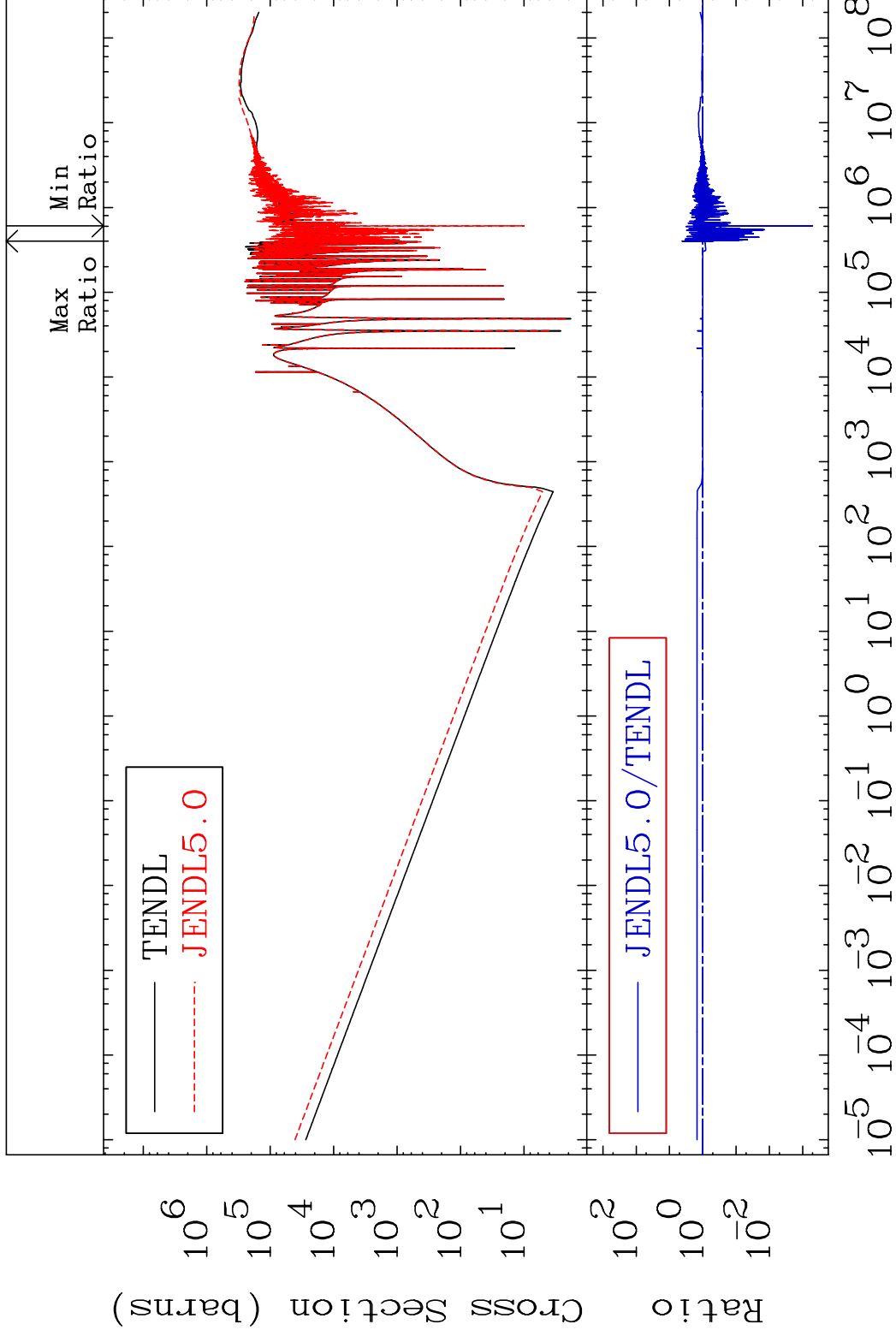


MAT 2231

Dpa total (eV-barns)

22-Ti-48

Cross Section -99.95 To 316.3 %



57

Incident Energy (eV)

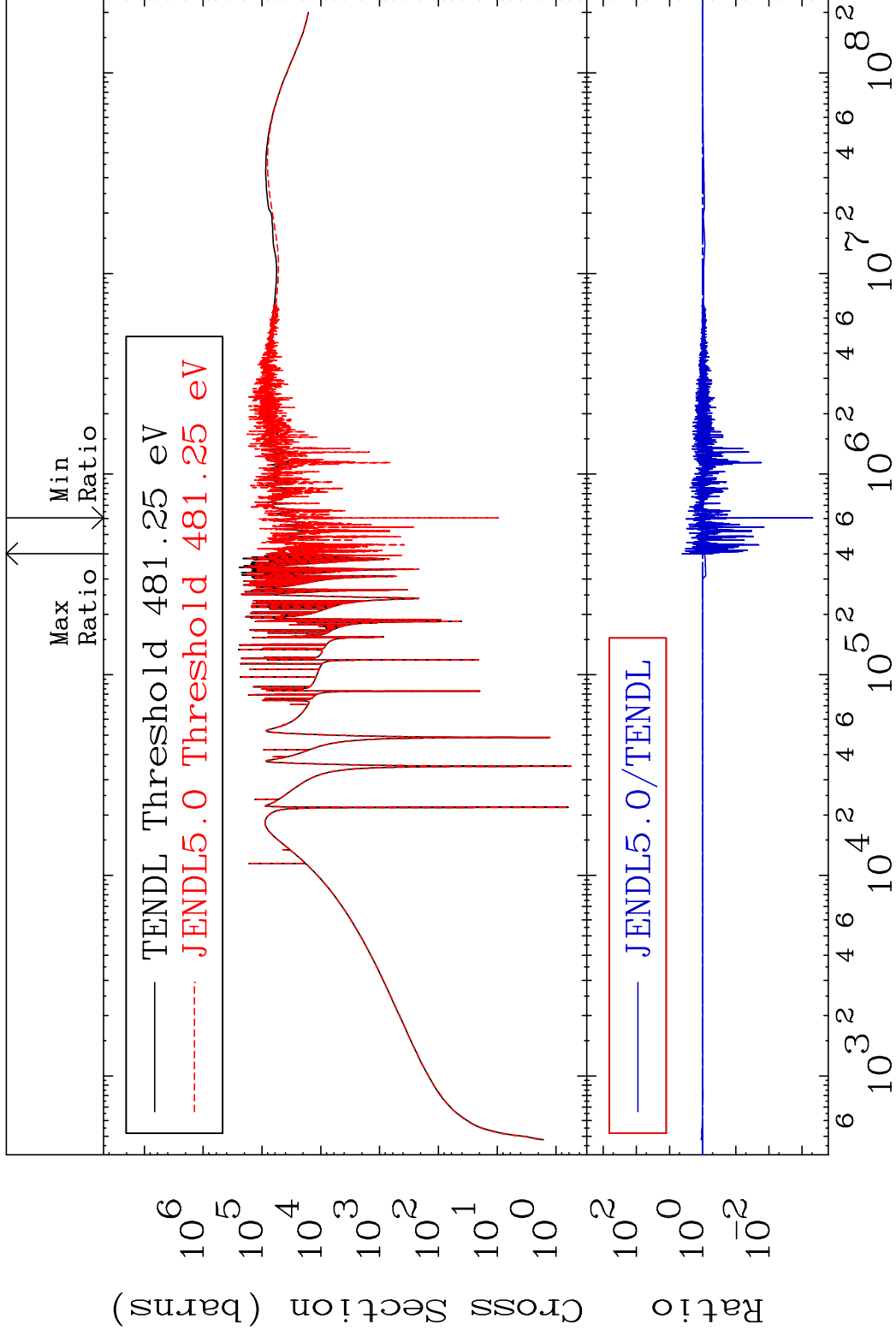
22-Ti-48

MAT 2231

Dpa elastic (mt2)

22-Ti-48

Cross Section -99.95 To 316.3 %

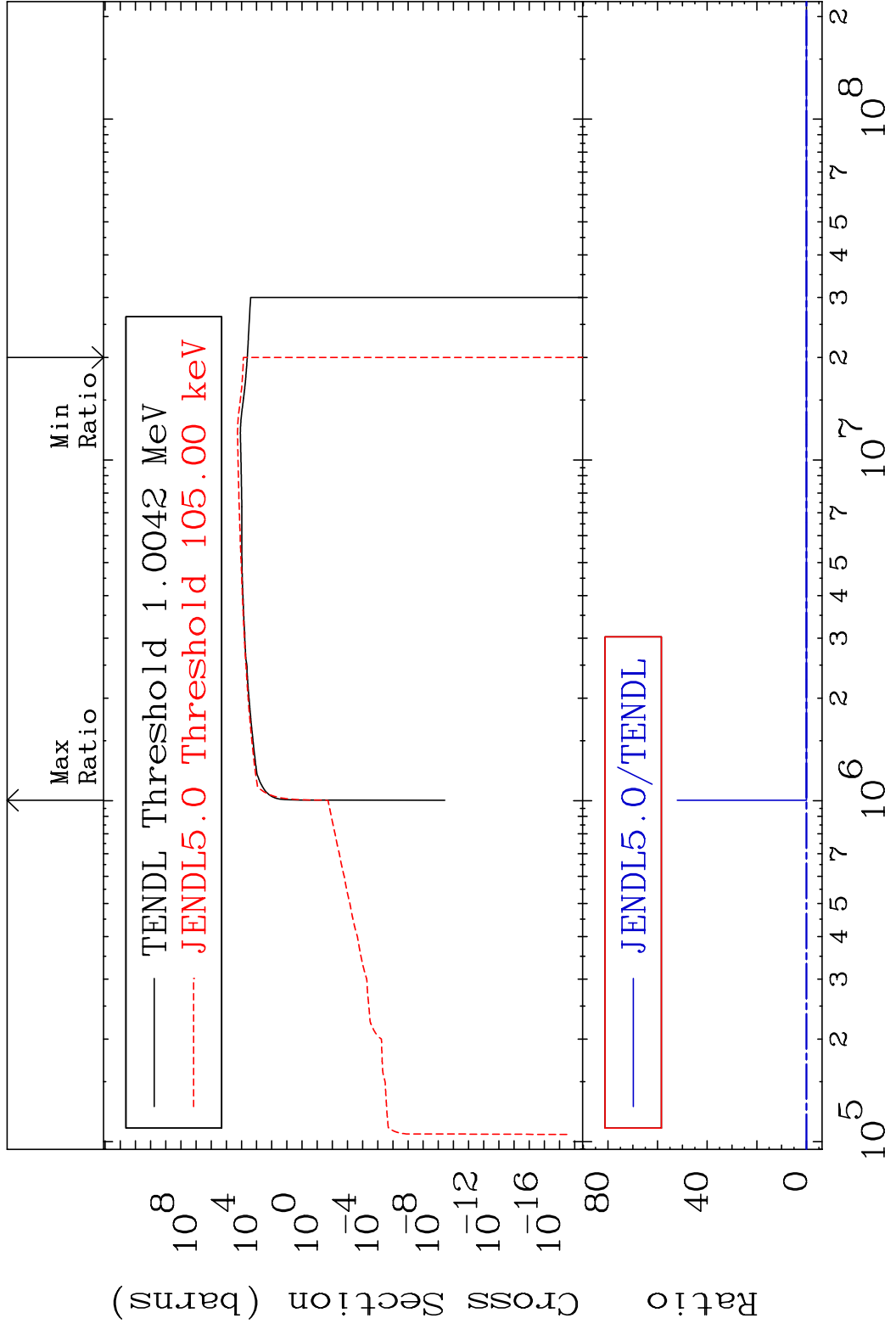


58

Incident Energy (eV)

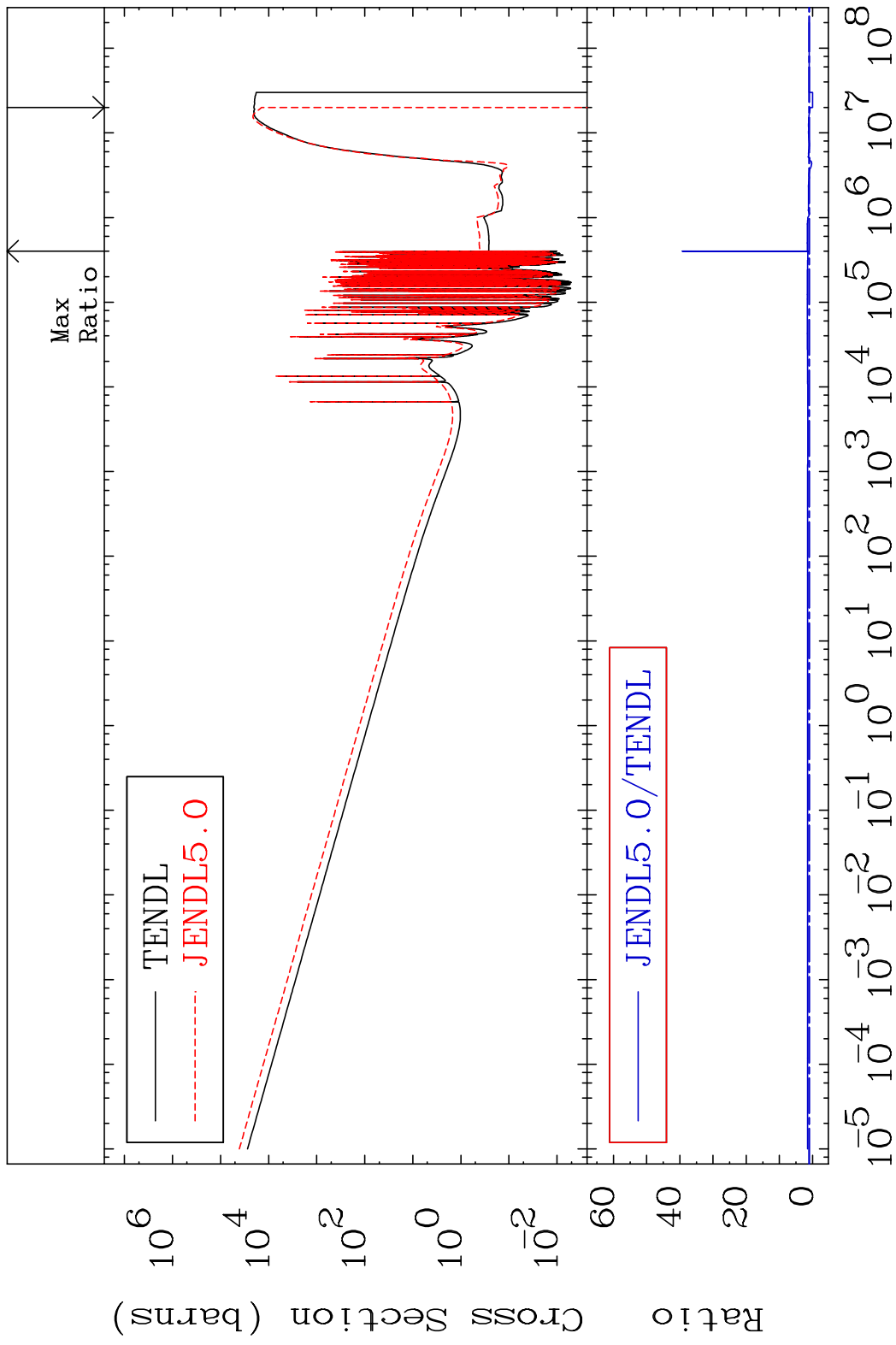
22-Ti-48

MAT 2231 Dpa inelastic (mt51-91) 22-Ti-48  
 Cross Section -100.0 To 9999. %



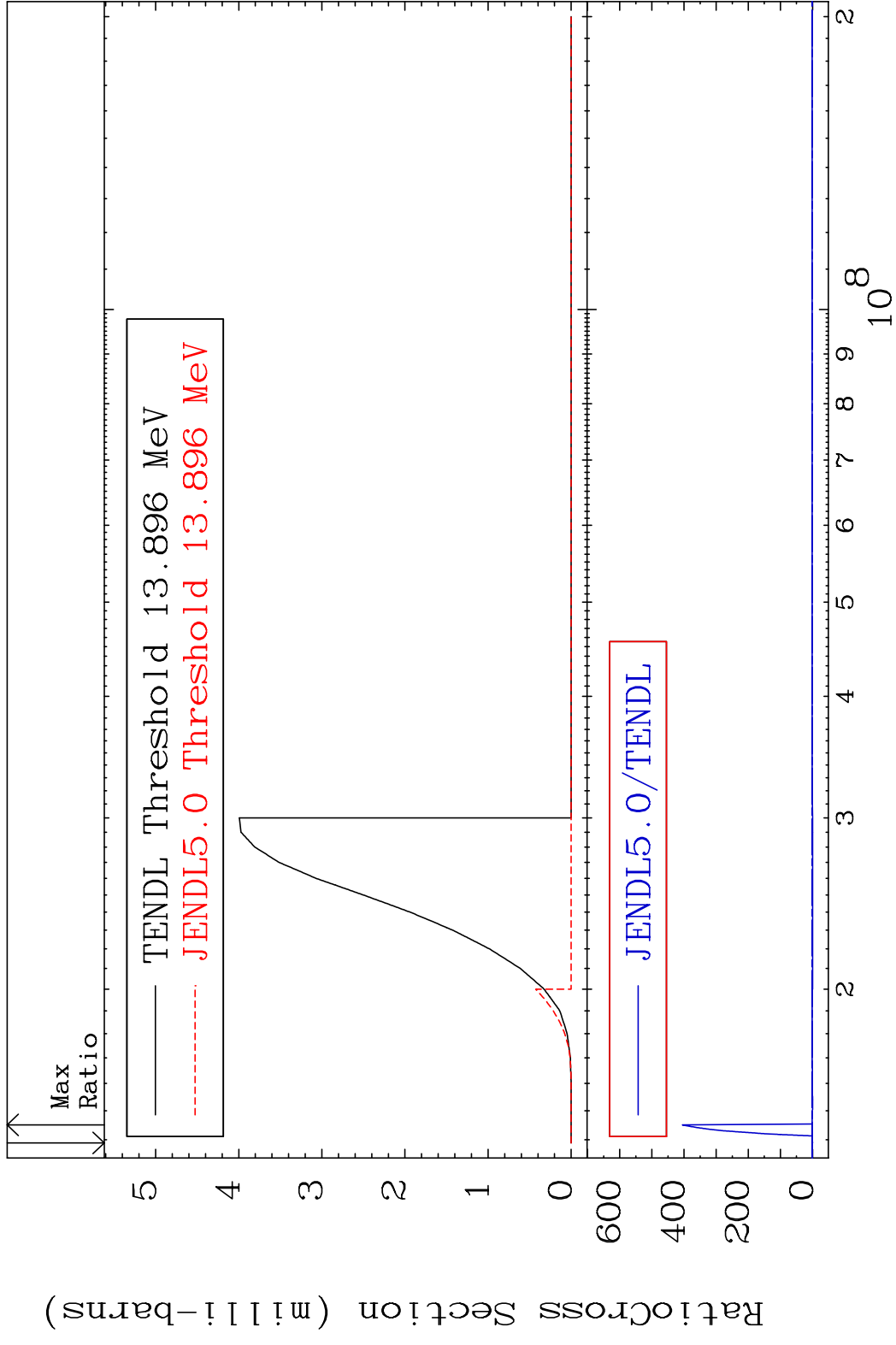
59 Incident Energy (eV) 22-Ti-48

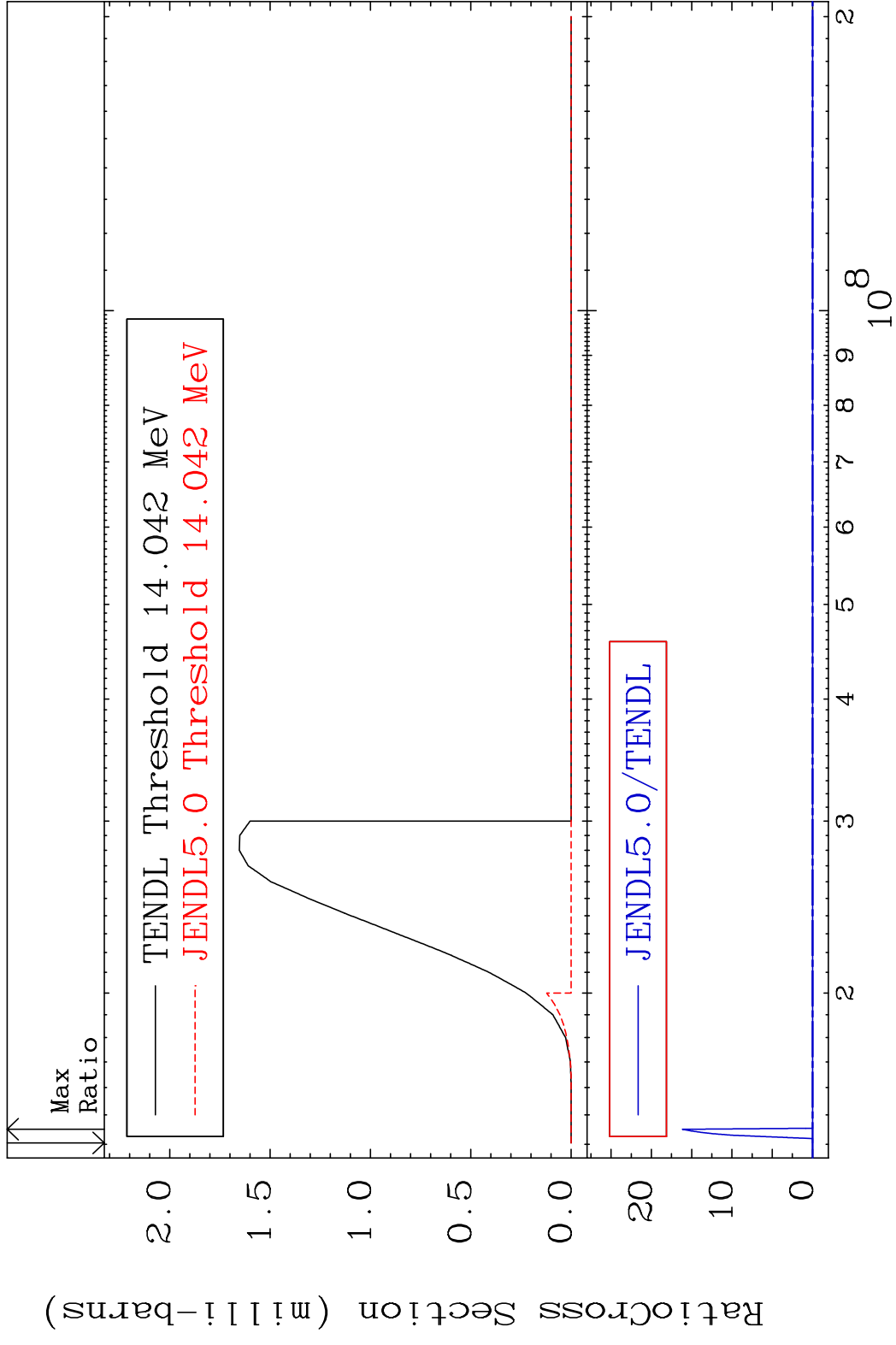
MAT 2231 Dpa disappearance (mt102 -120) 22-Ti-48  
Cross Section -100.0 To 3824. %



60 Incident Energy (eV) 22-Ti-48

MAT 2231 (n, t):21-Sc-46g 22-Ti-48  
 Radionuclide Production Cross Section Ratio

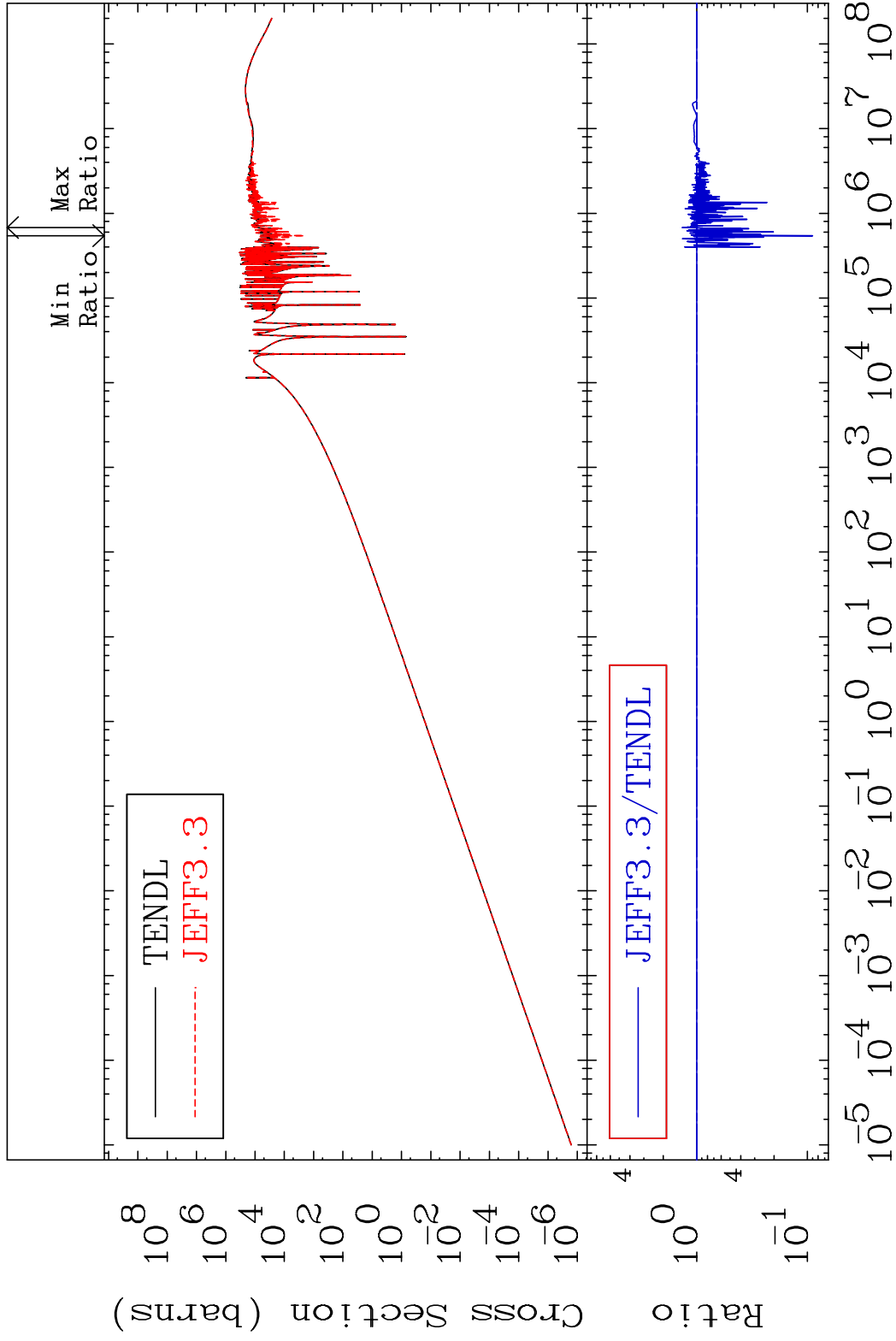




MAT 2231

Kerma elastic  
Cross Section

22-Ti-48  
-91.01 To 34.59 %



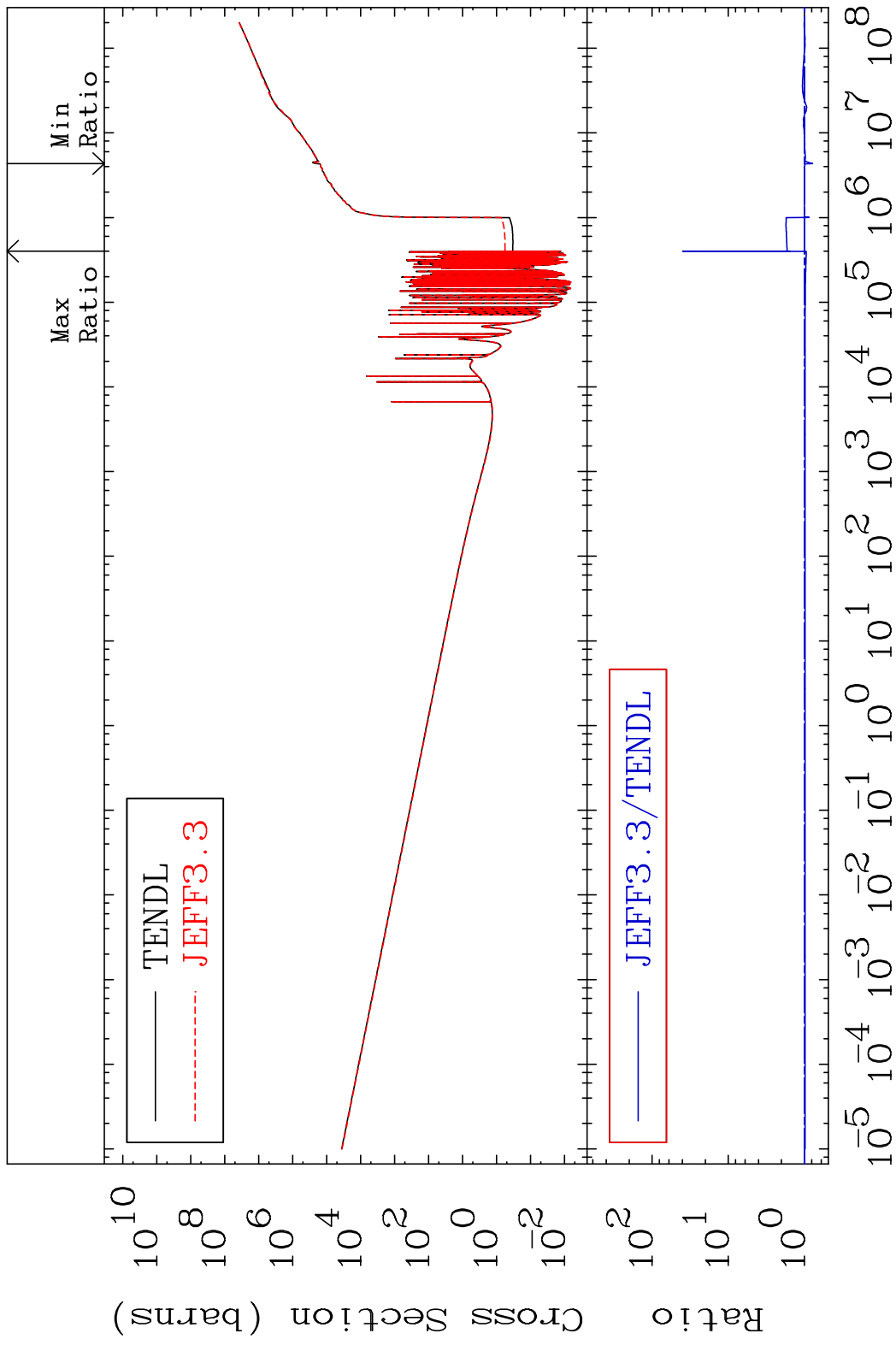
63

Incident Energy (eV)

22-Ti-48

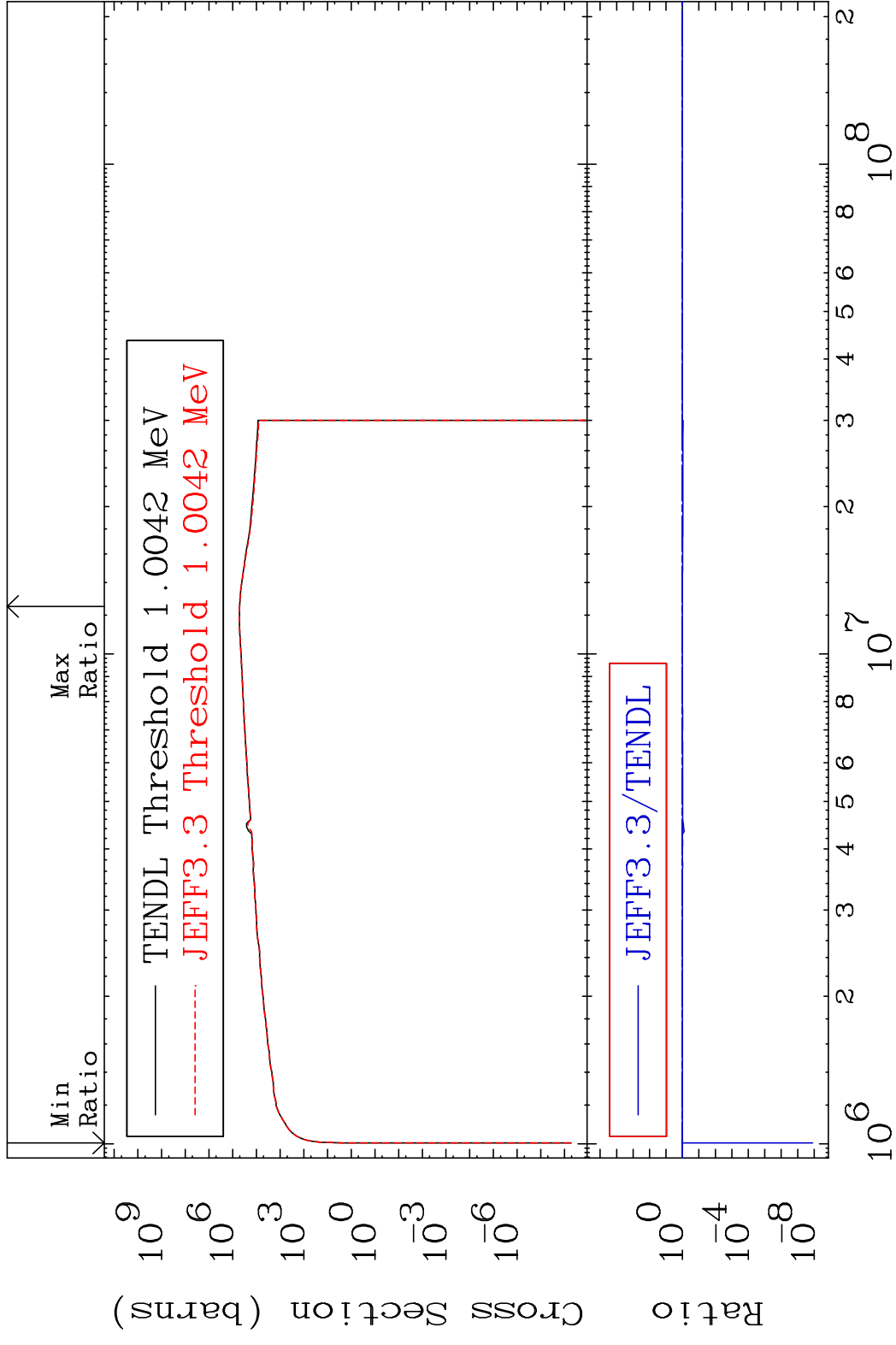


MAT 2231 Kerma non-elastic (all but mt2) 22-Ti-48  
 Cross Section -21.92 To 3904. %



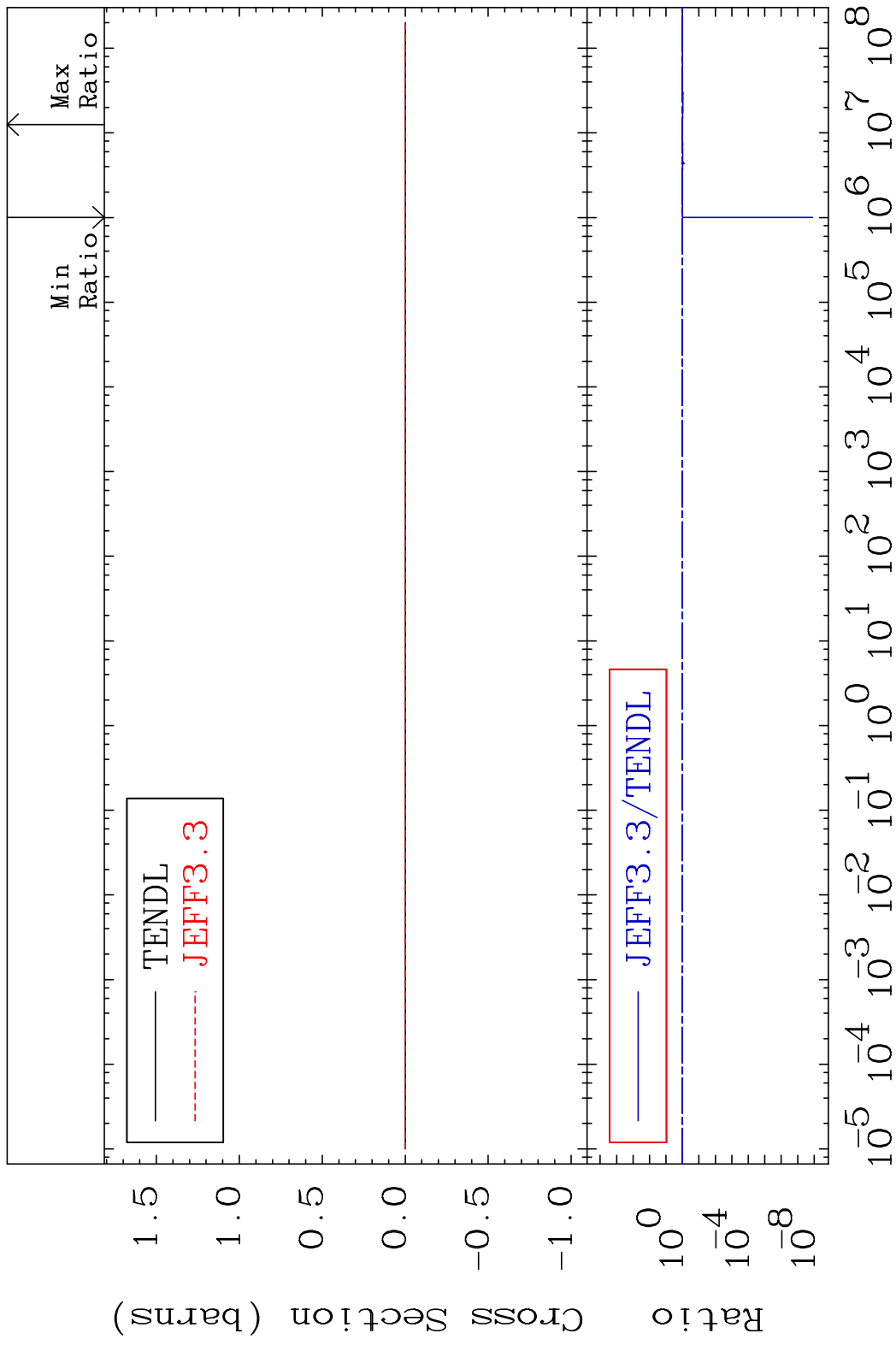
64 Incident Energy (eV) 22-Ti-48

MAT 2231 Kerma inelastic (mt51-91) 22-Ti-48  
 Cross Section -100.0 To 1.432 %



65 Incident Energy (eV) 22-Ti-48

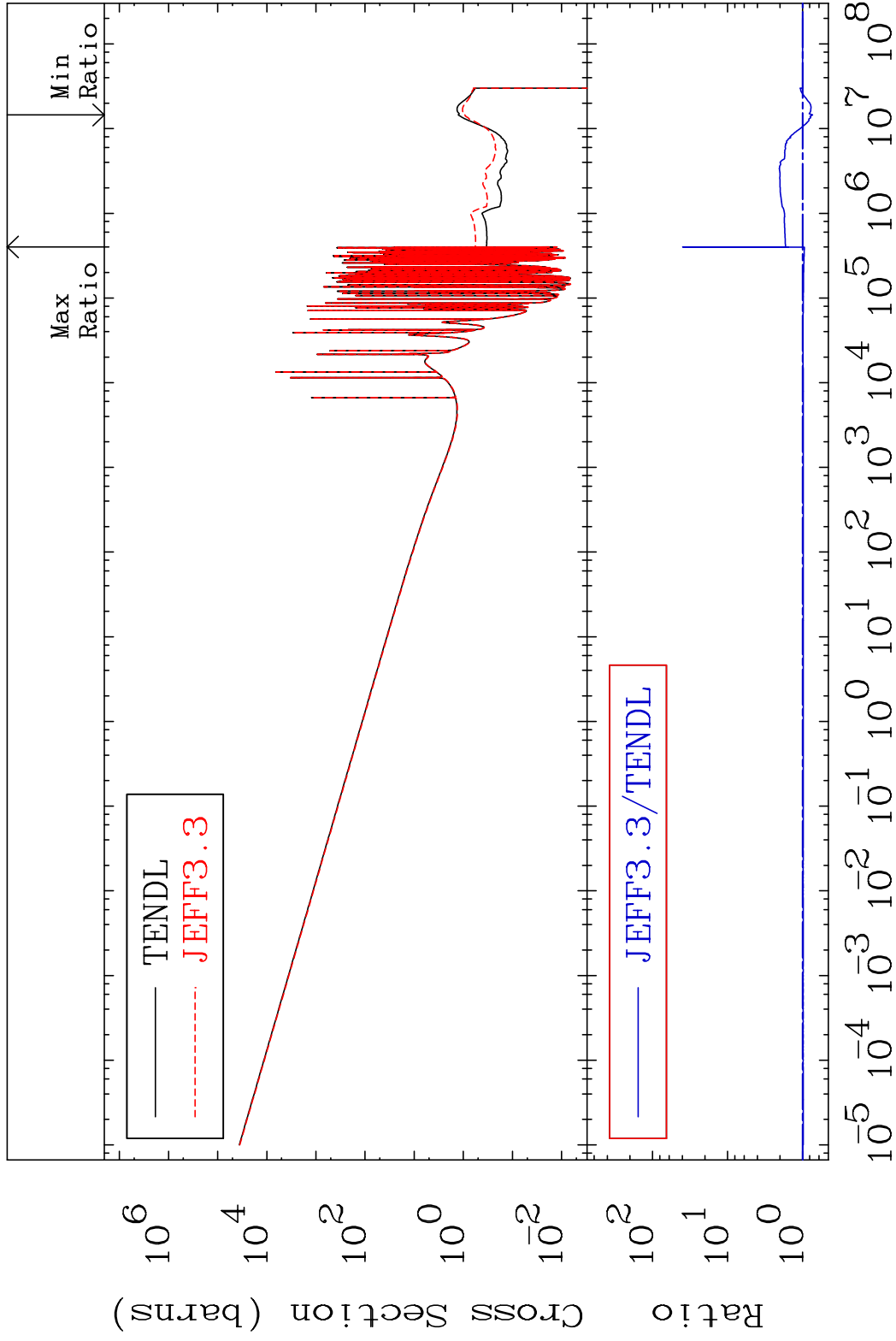
MAT 2231 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-48  
 Cross Section -100.0 To 1.432 %



MAT 2231

Kerma capture (mt102) 22-Ti-48

Cross Section -26.63 To 3904. %



67

Incident Energy (eV)

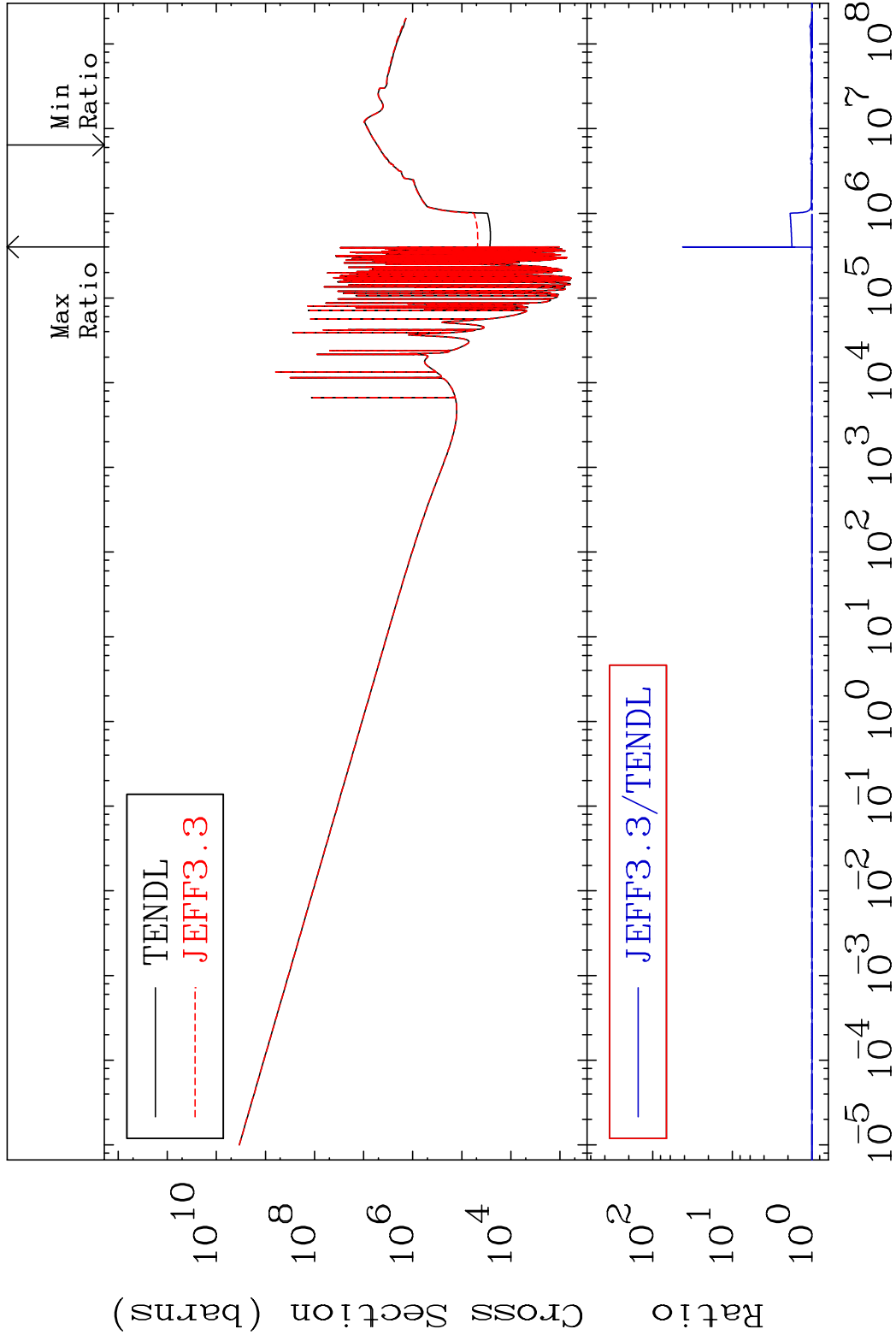
22-Ti-48

MAT 2231

Total photon (eV-barns)

<sup>22</sup>Ti-48

Cross Section -1.528 To 4147. %

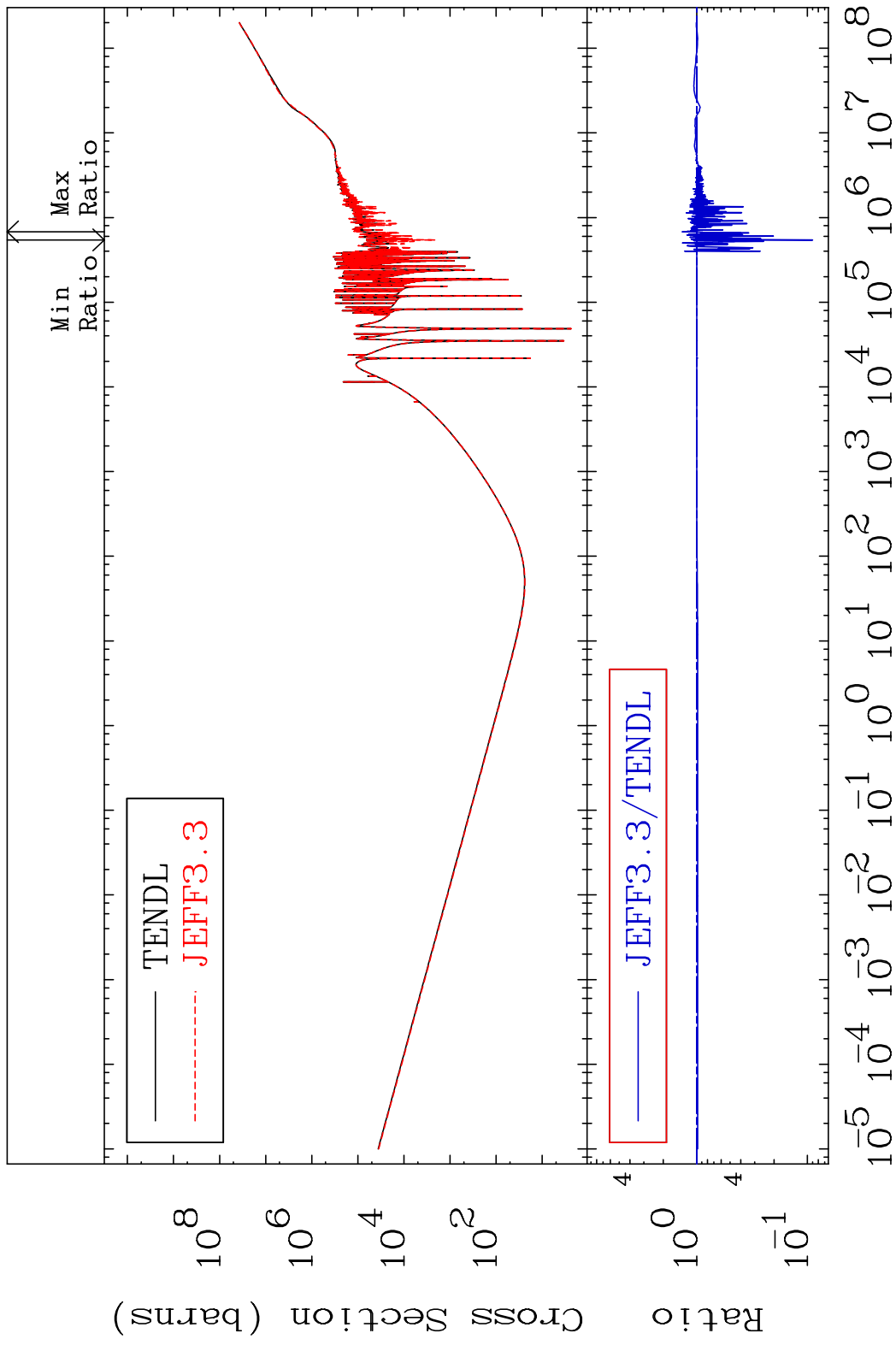


68

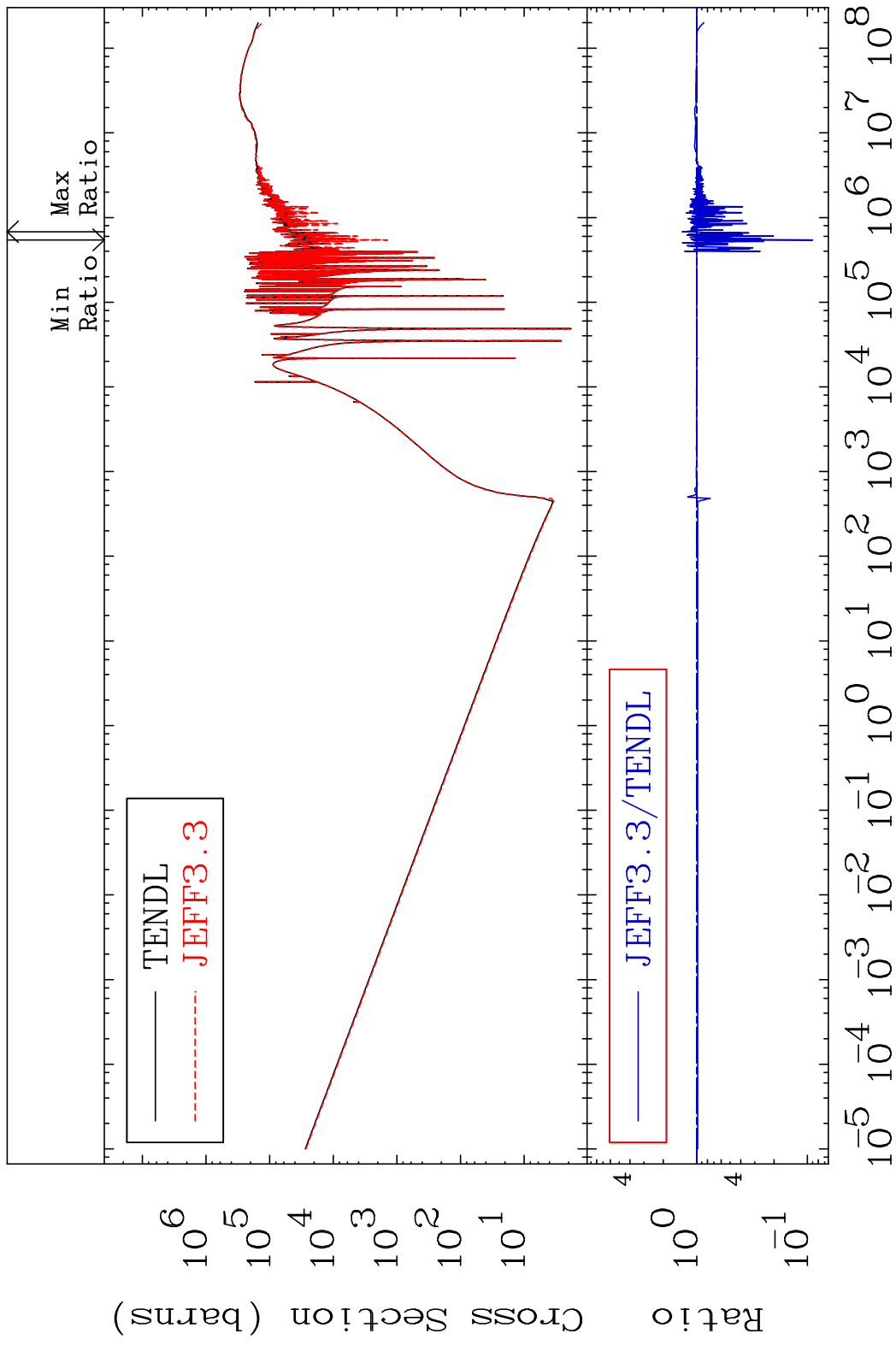
Incident Energy (eV)

<sup>22</sup>Ti-48

MAT 2231 Total kinematic kerma (high limit) 22-Ti-48  
Cross Section -91.00 To 34.59 %



MAT 2231      Dpa total (eV-barns)      22-Ti-48  
 Cross Section      -91.00 To 34.59 %



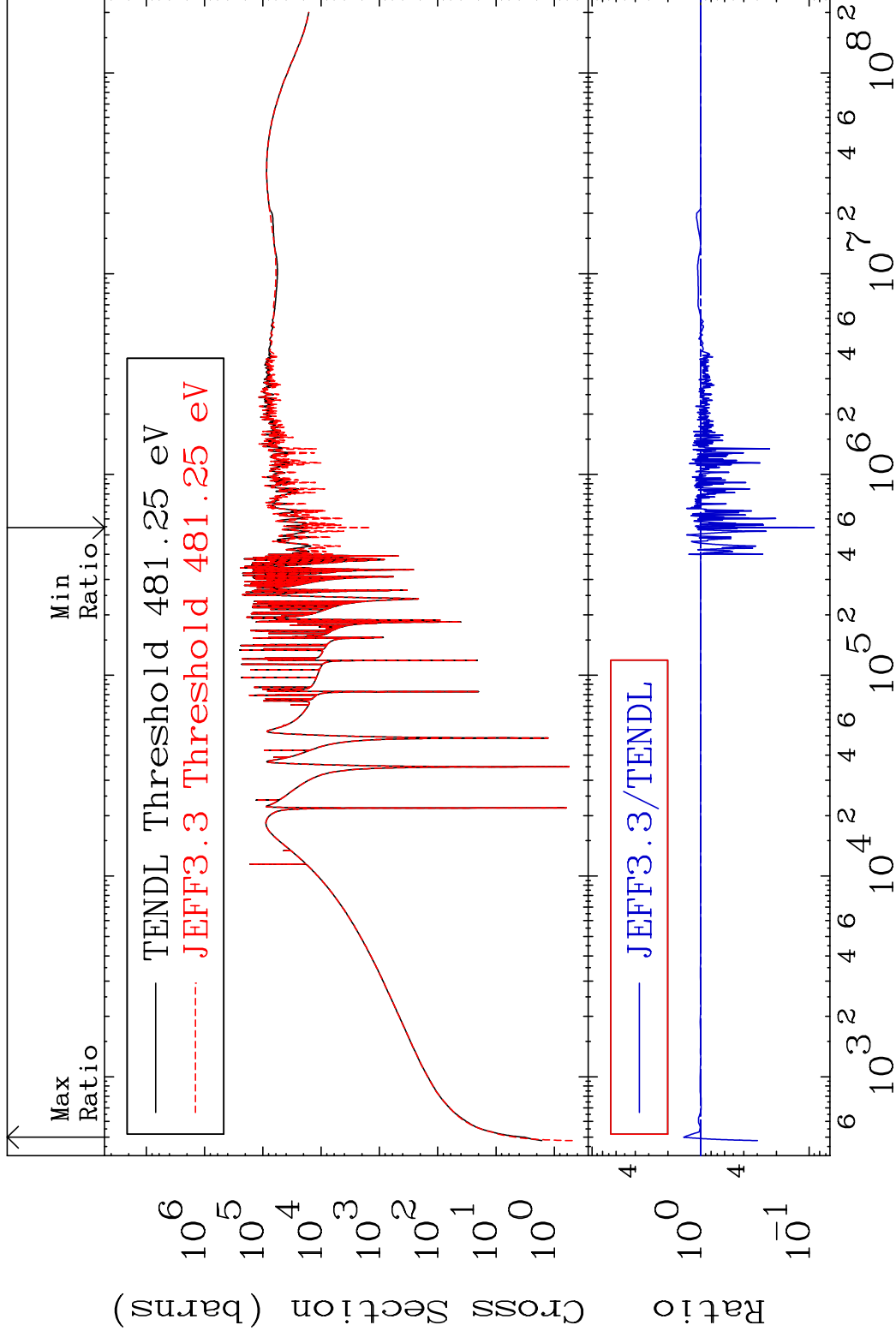
70      Incident Energy (eV)      22-Ti-48

MAT 2231

Dpa elastic (mt2)

22-Ti-48

Cross Section -91.01 To 43.19 %



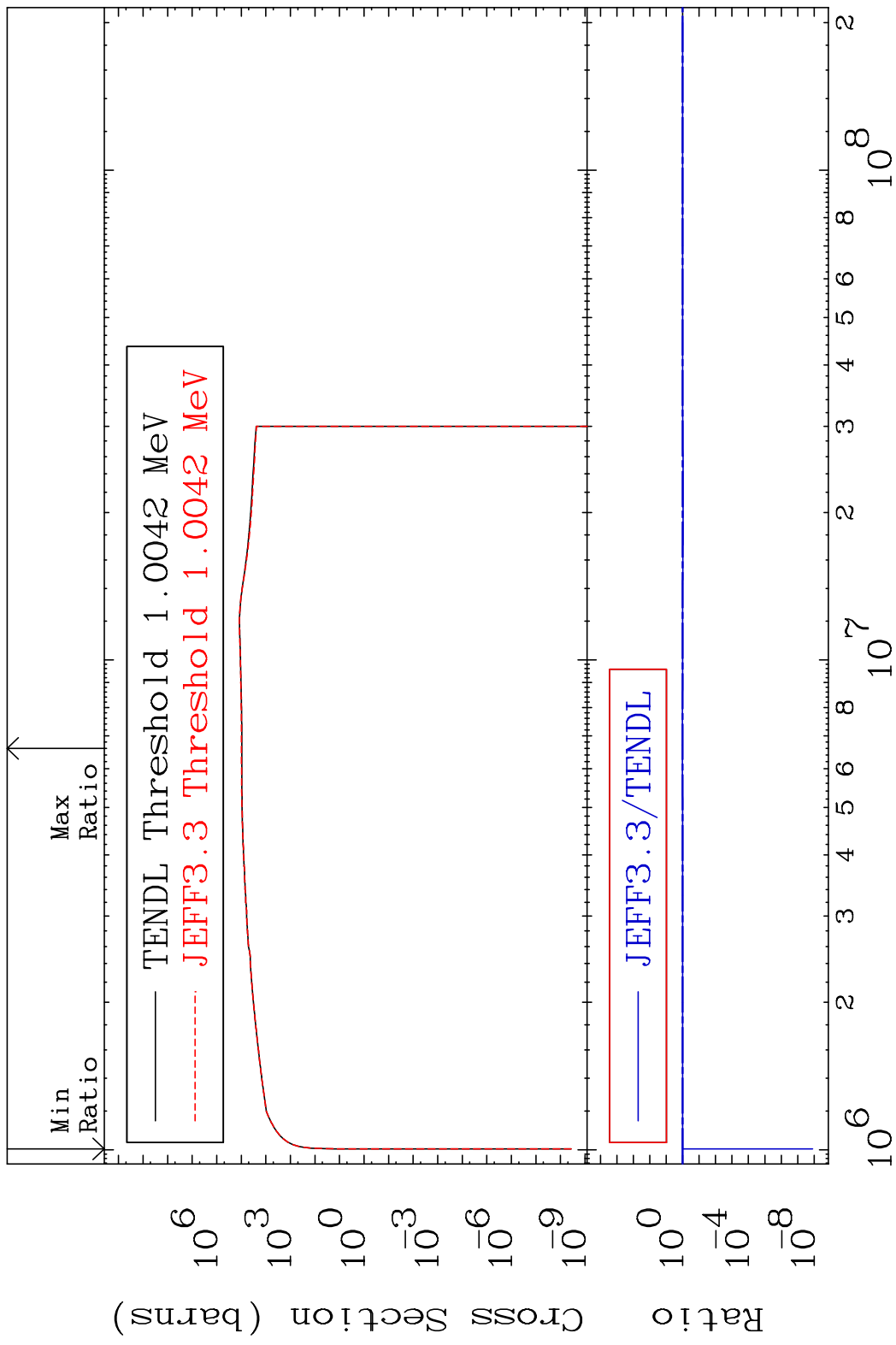
71

Incident Energy (eV)

22-Ti-48

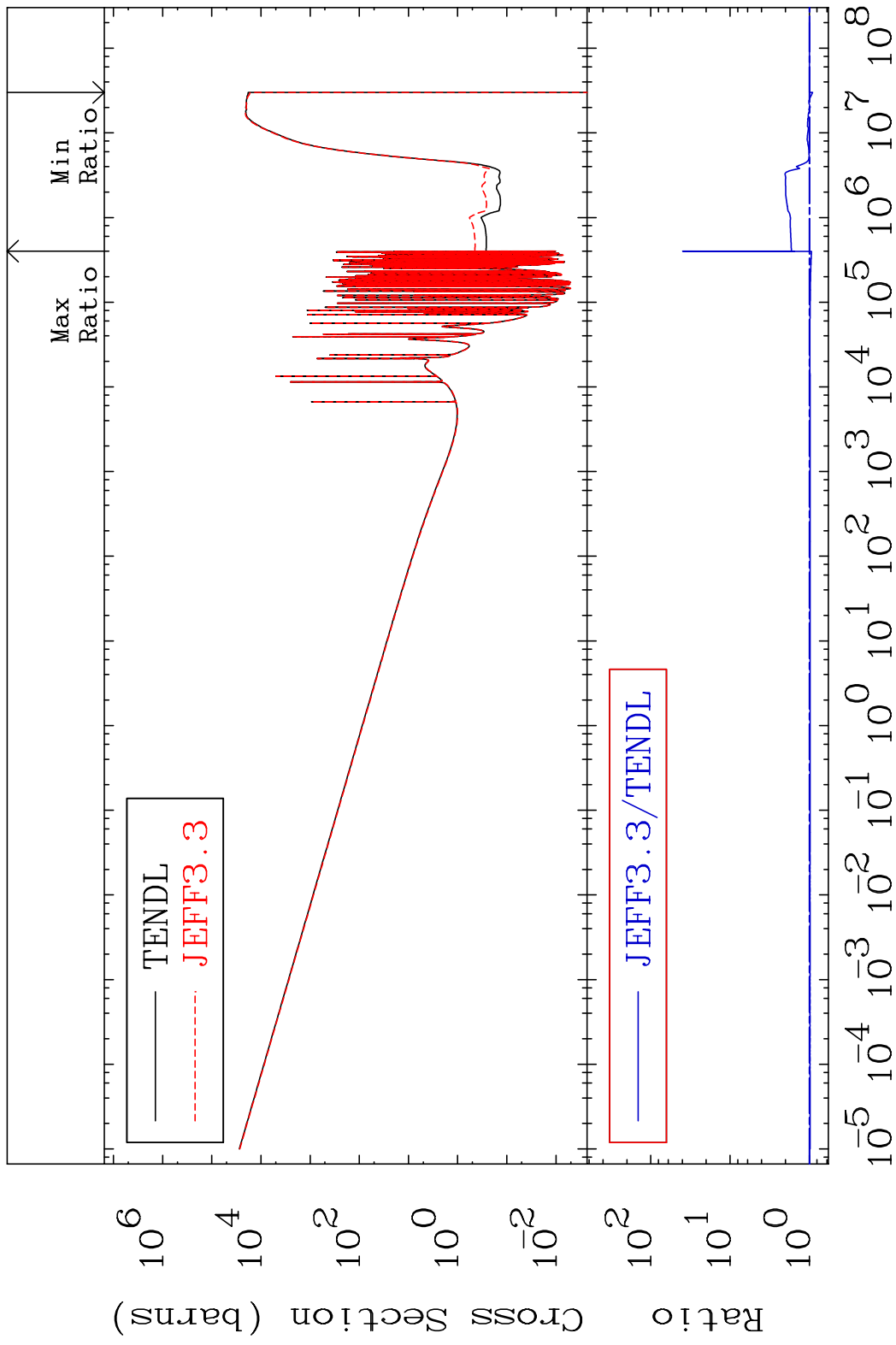


MAT 2231 Dpa inelastic (mt51-91) 22-Ti-48  
 Cross Section -100.0 To 3.998 %



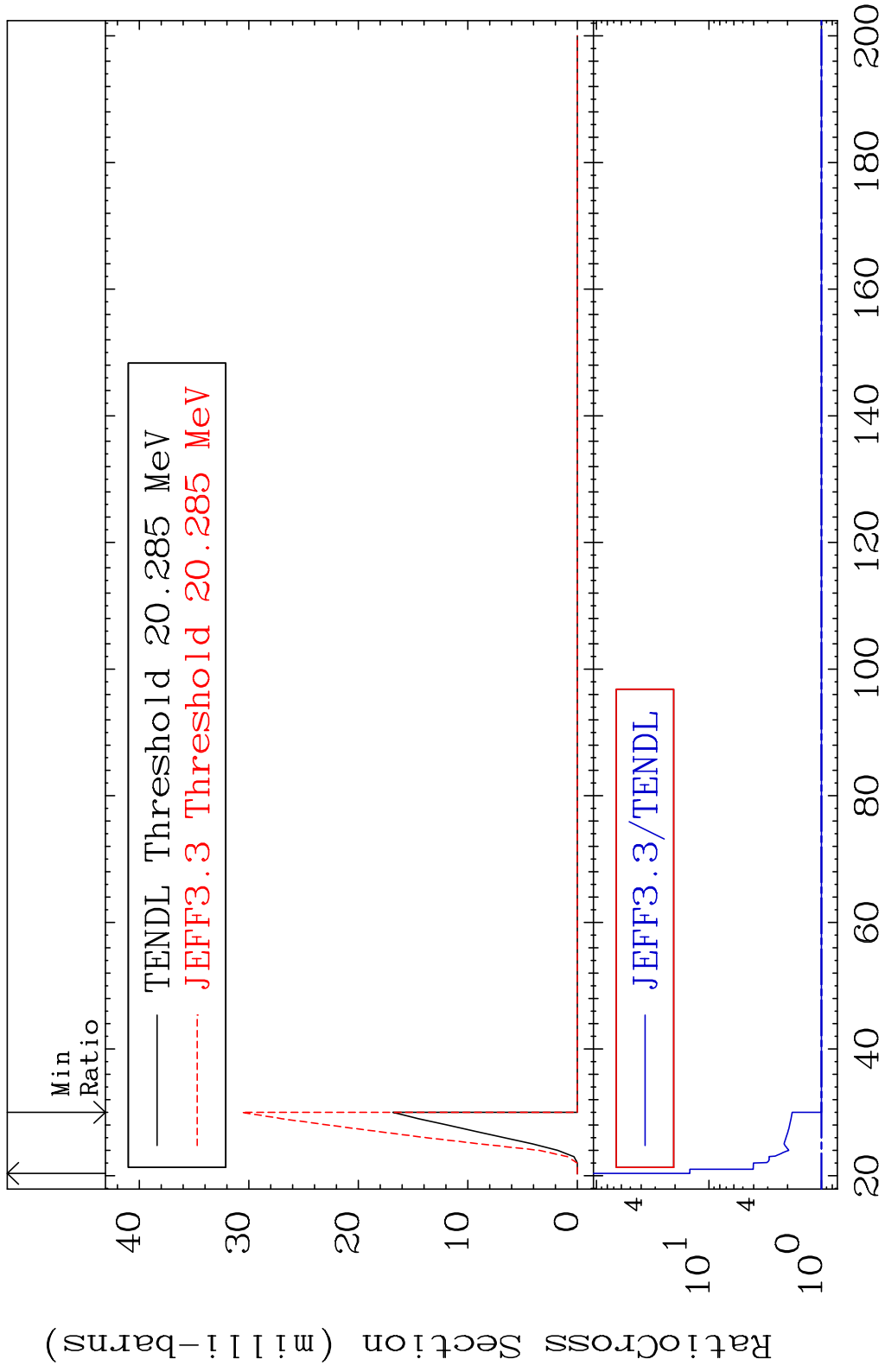
72 Incident Energy (eV) 22-Ti-48

MAT 2231 Dpa disappearance (mt102 -120) 22-Ti-48  
 Cross Section -8.982 To 3892. %



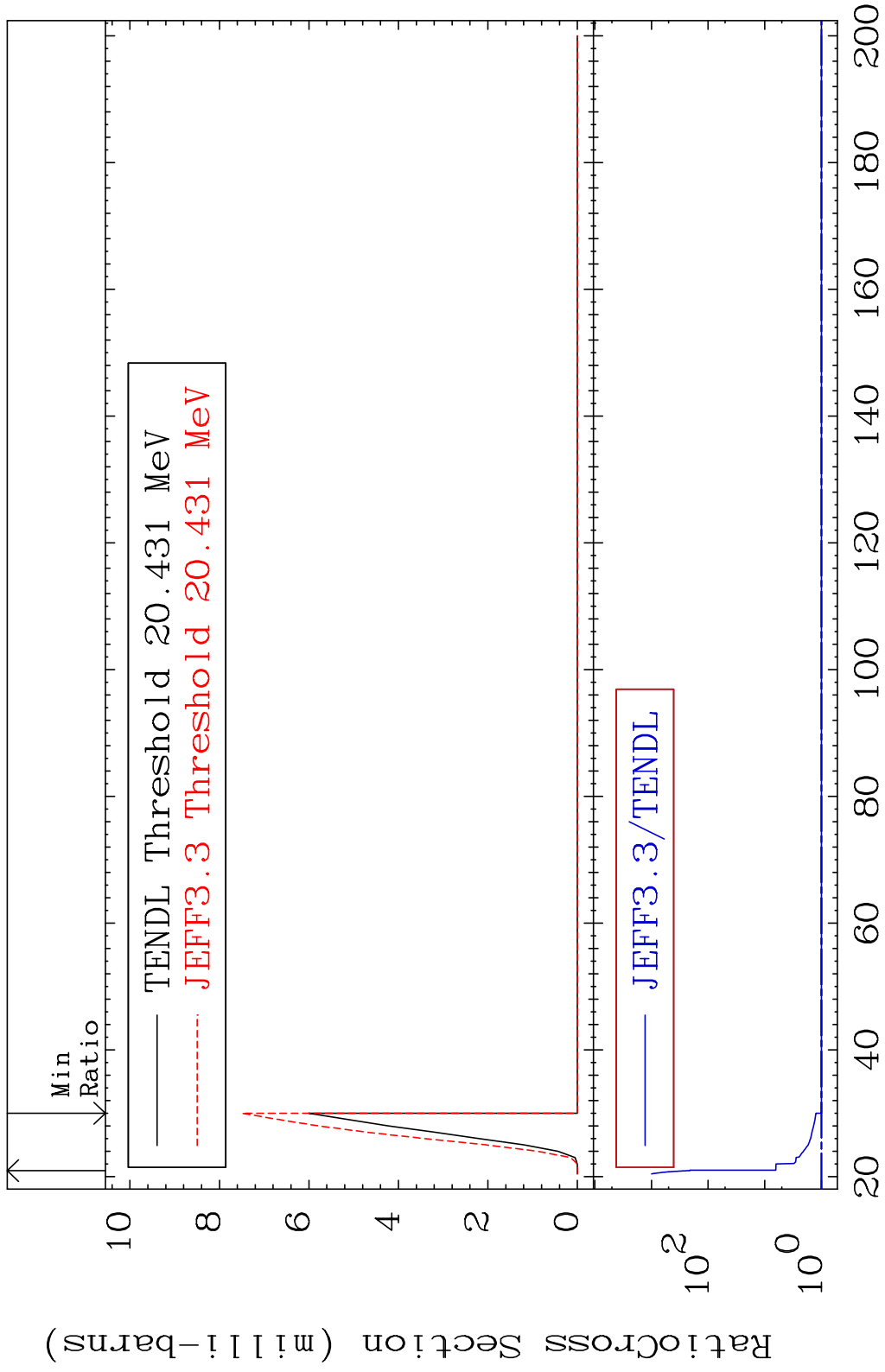
73 Incident Energy (eV) 22-Ti-48

MAT 2231 (n, n') d:21-Sc-46g 22-Ti-48  
 Radionuclide Production Cross Section 1379. %



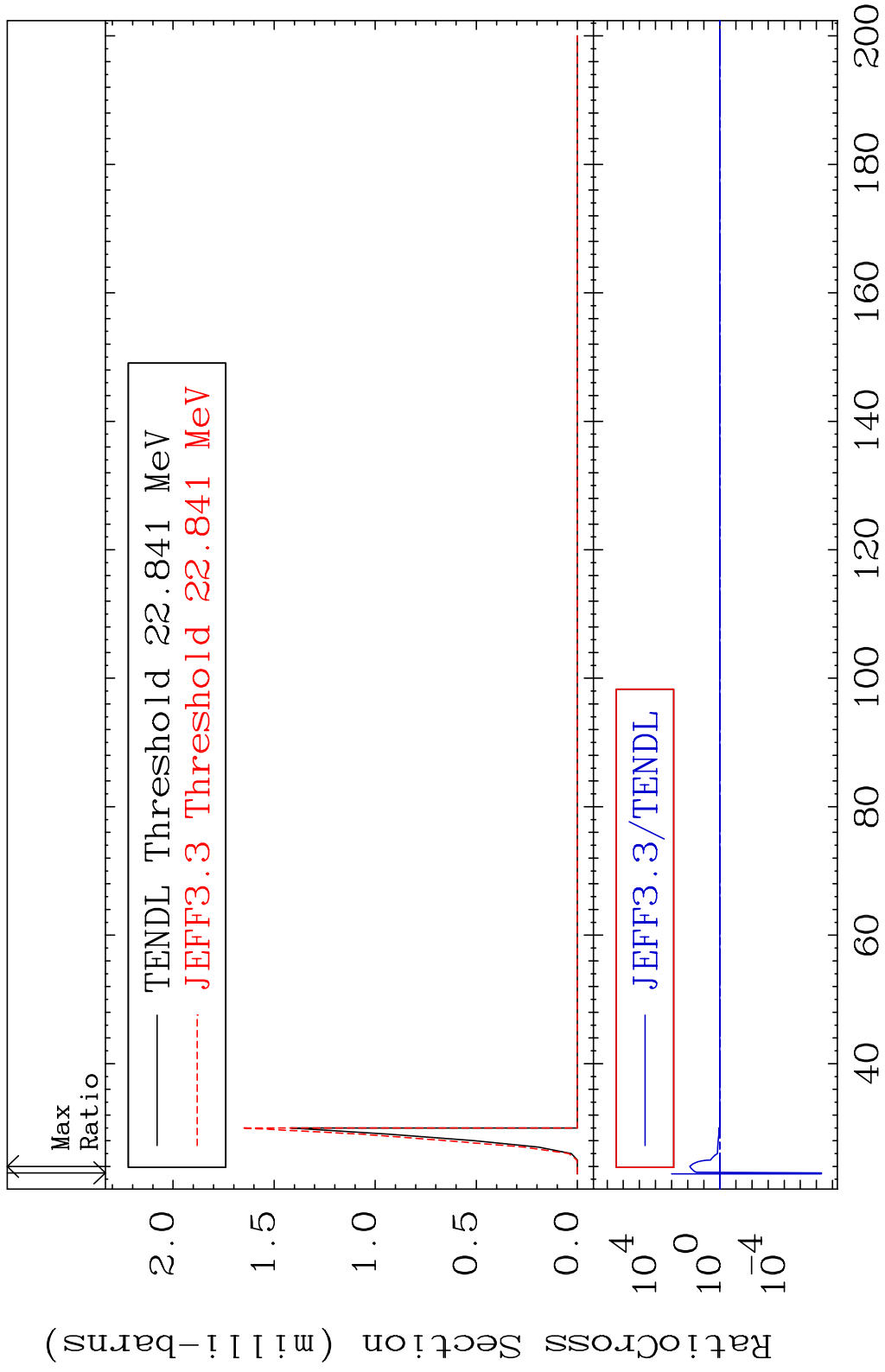
74 Incident Energy (MeV) 22-Ti-48

MAT 2231 (n, n') d:21-Sc-46m2 22-Ti-48  
 Radionuclide Production Cross Section 9999. %

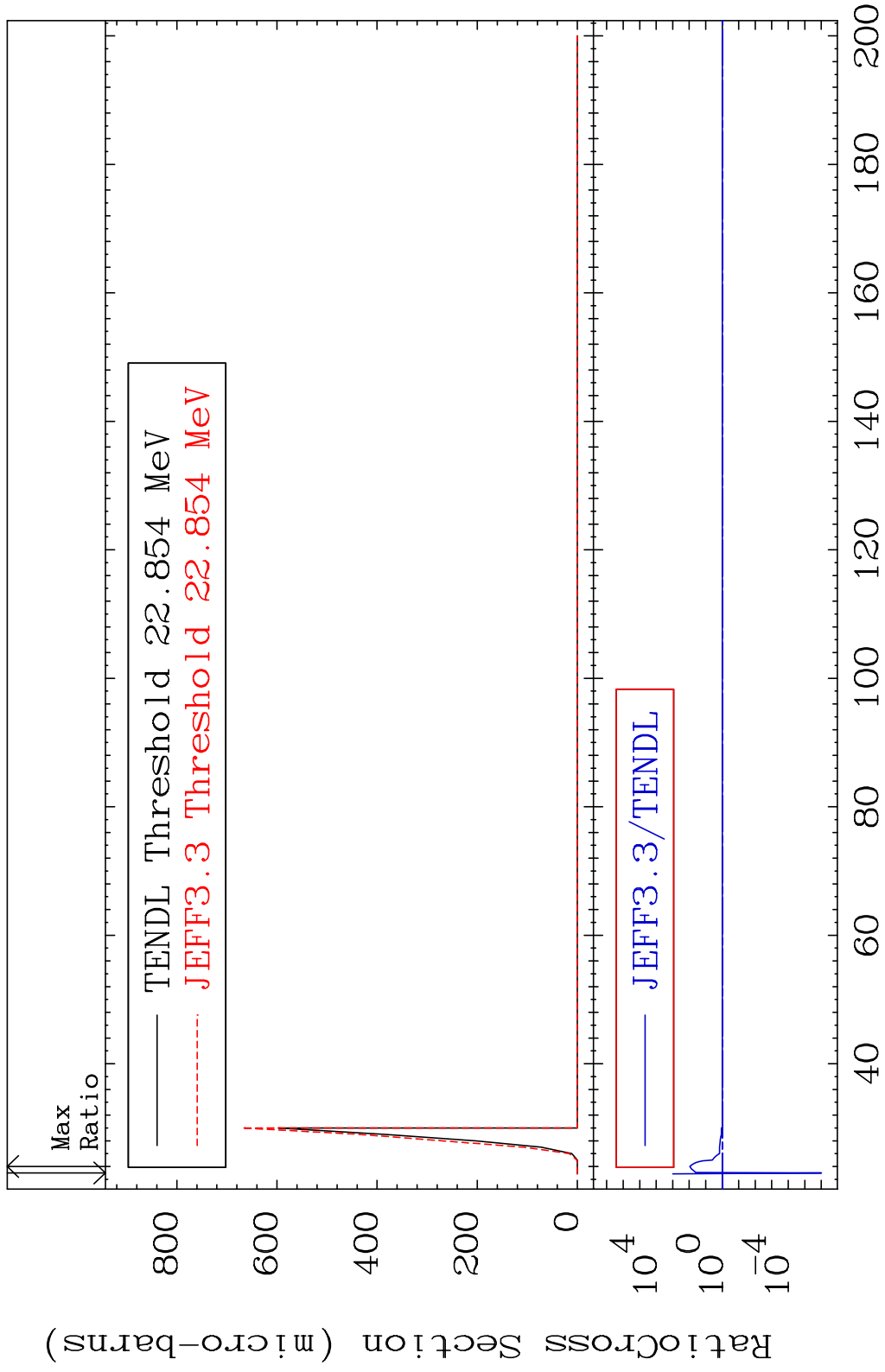


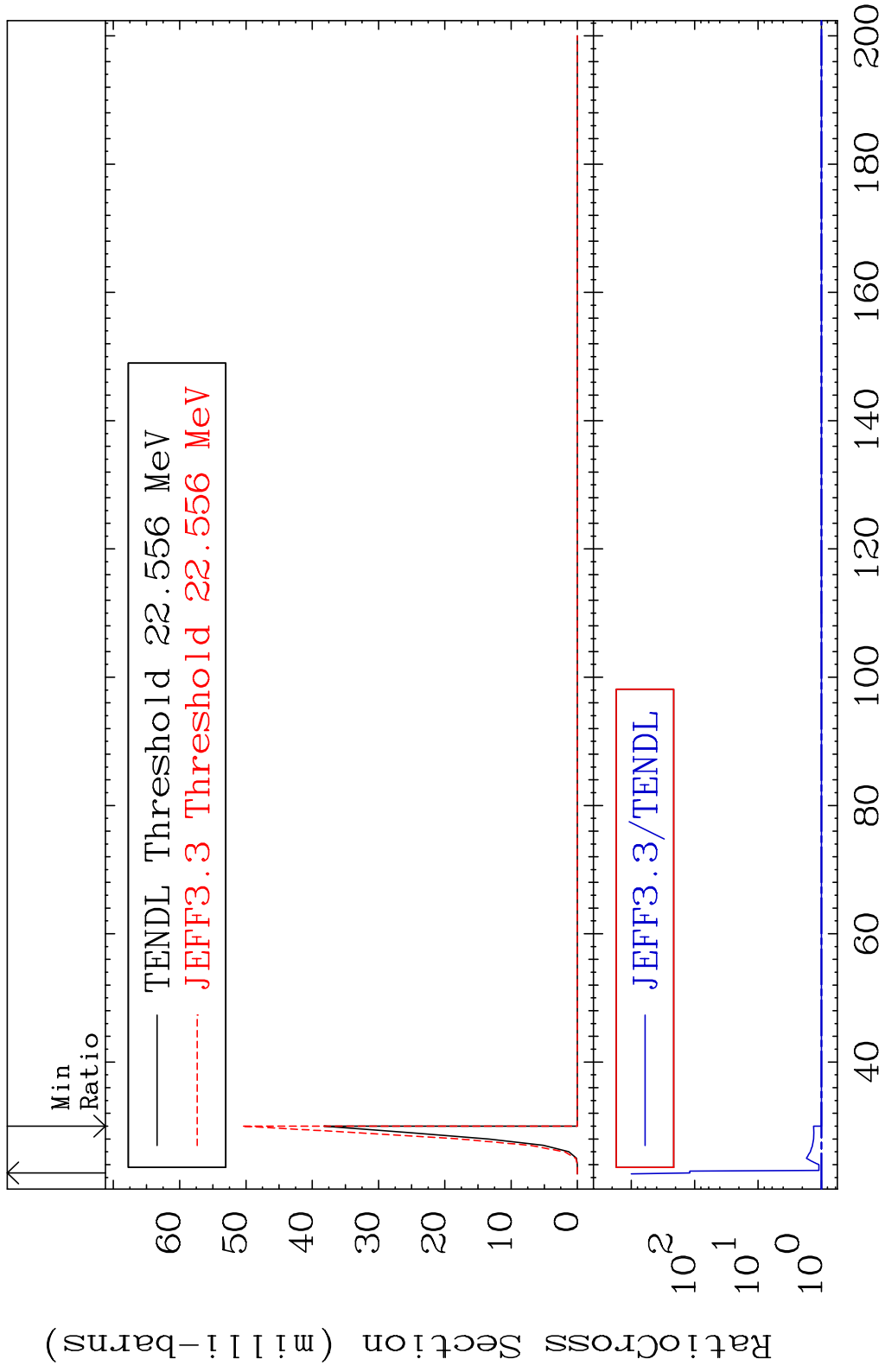
75 Incident Energy (MeV) 22-Ti-48

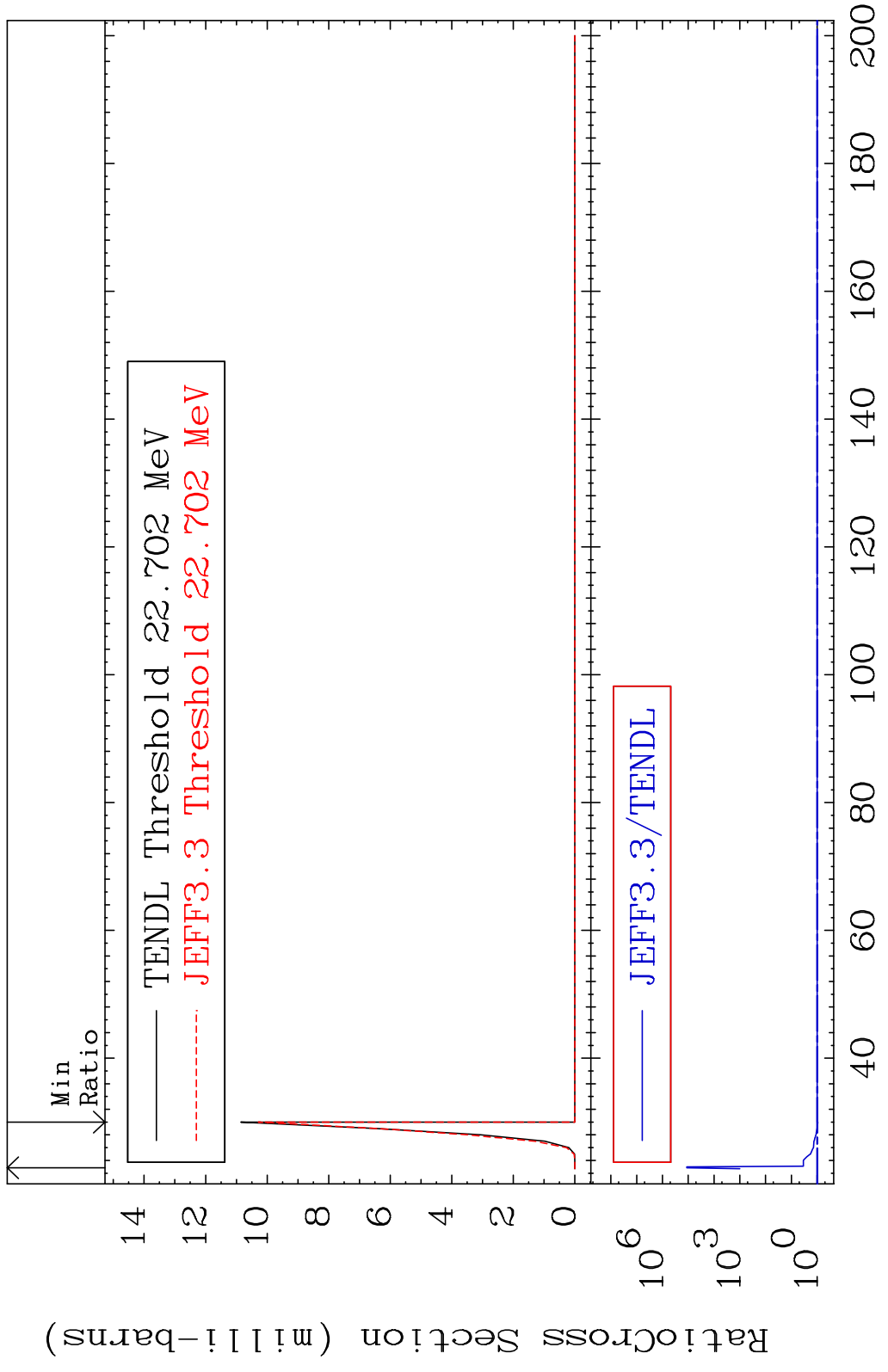
MAT 2231 (n, n') t:21-Sc-45g 22-Ti-48  
 Radionuclide Production Cross Section 1800 d to 7300 . %



MAT 2231 (n, n') t:21-Sc-45m1 22-Ti-48  
 Radionuclide Production Cross Section Ratio 9155. %









MAT 2231 (n, t):21-Sc-46g 22-Ti-48  
 Radionuclide Production Cross Section 26.64 %

