

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

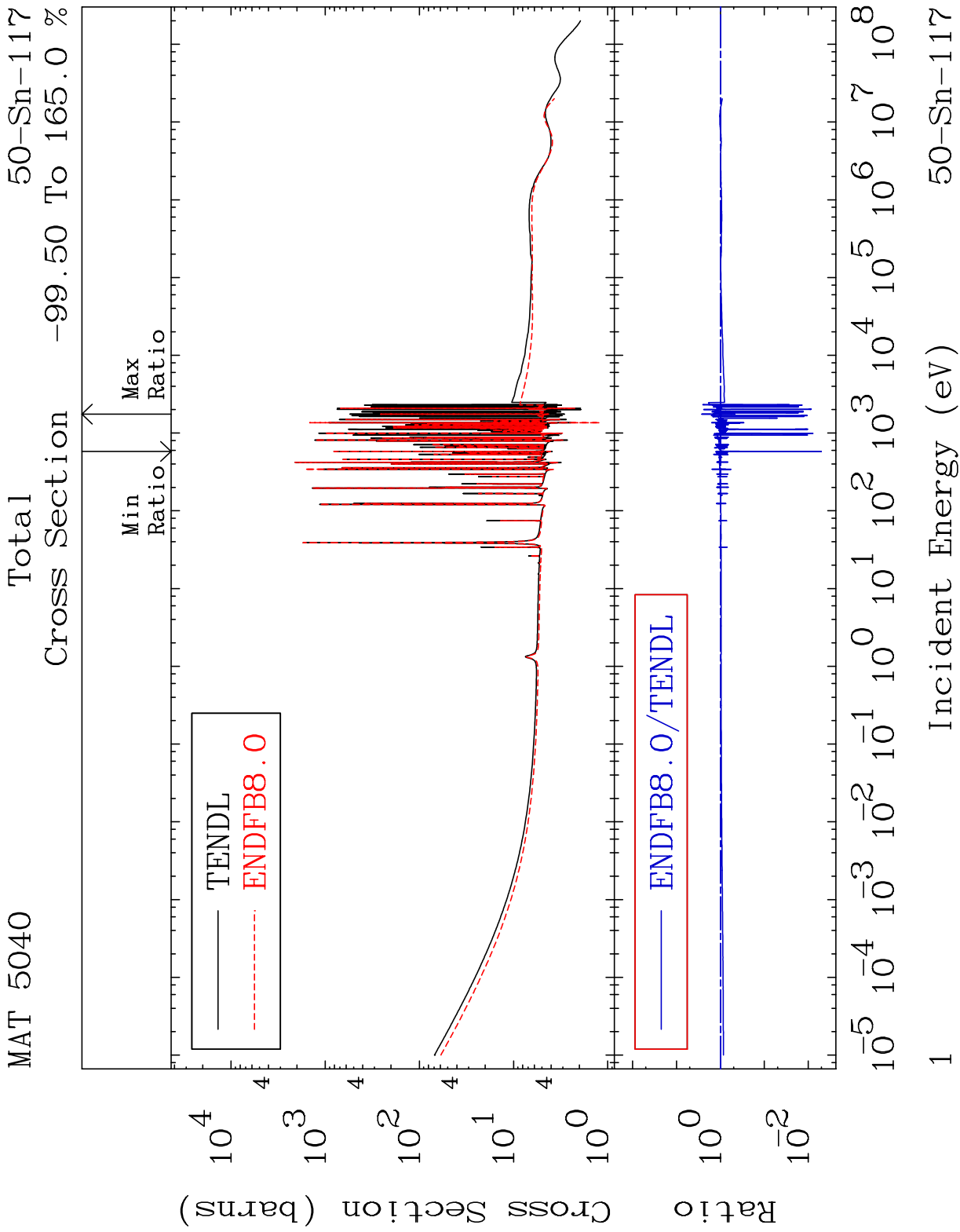
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
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Press Mouse Button to Start



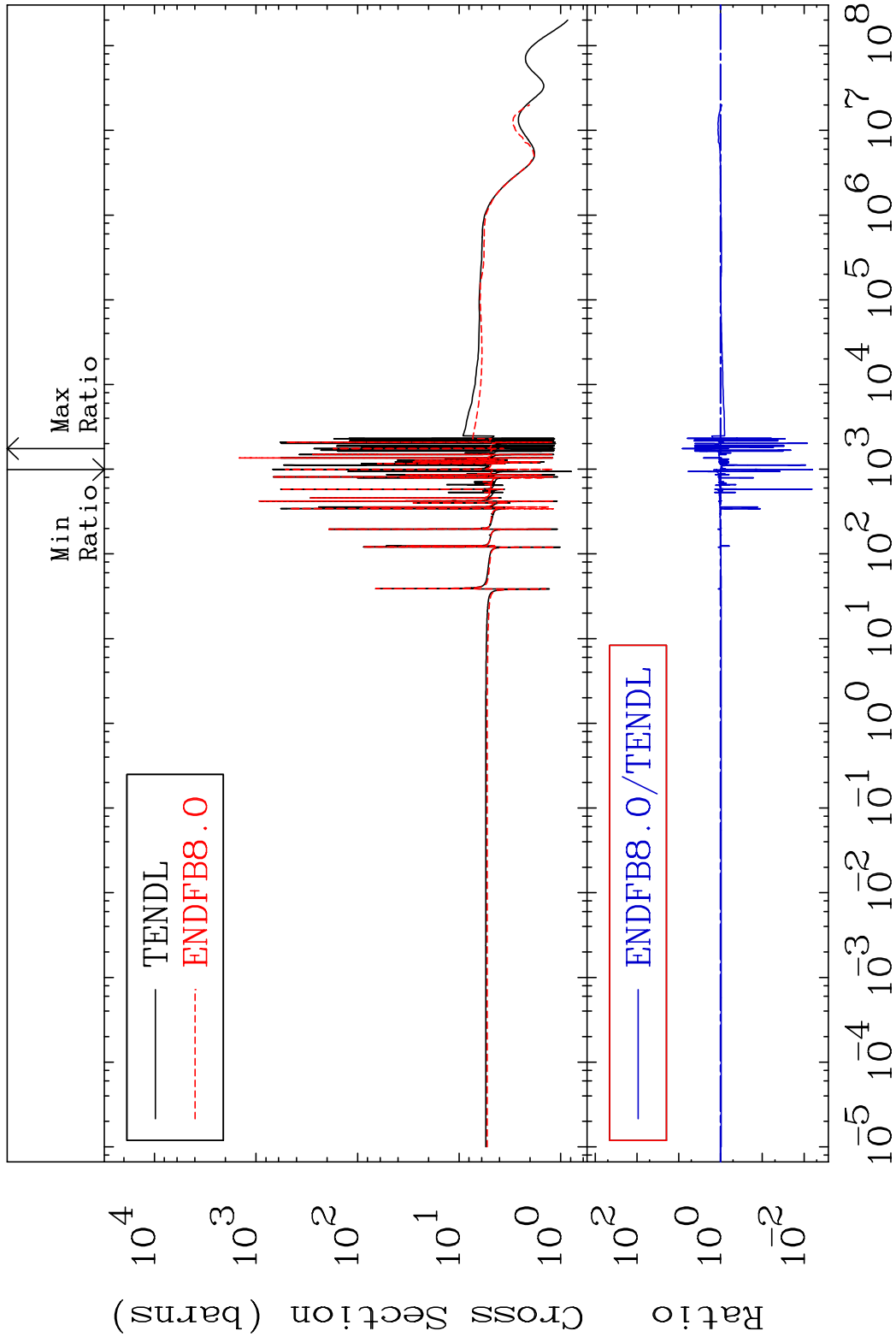
MAT 5040

Elastic

50-Sn-117

Cross Section

-99.37 To 719.4 %

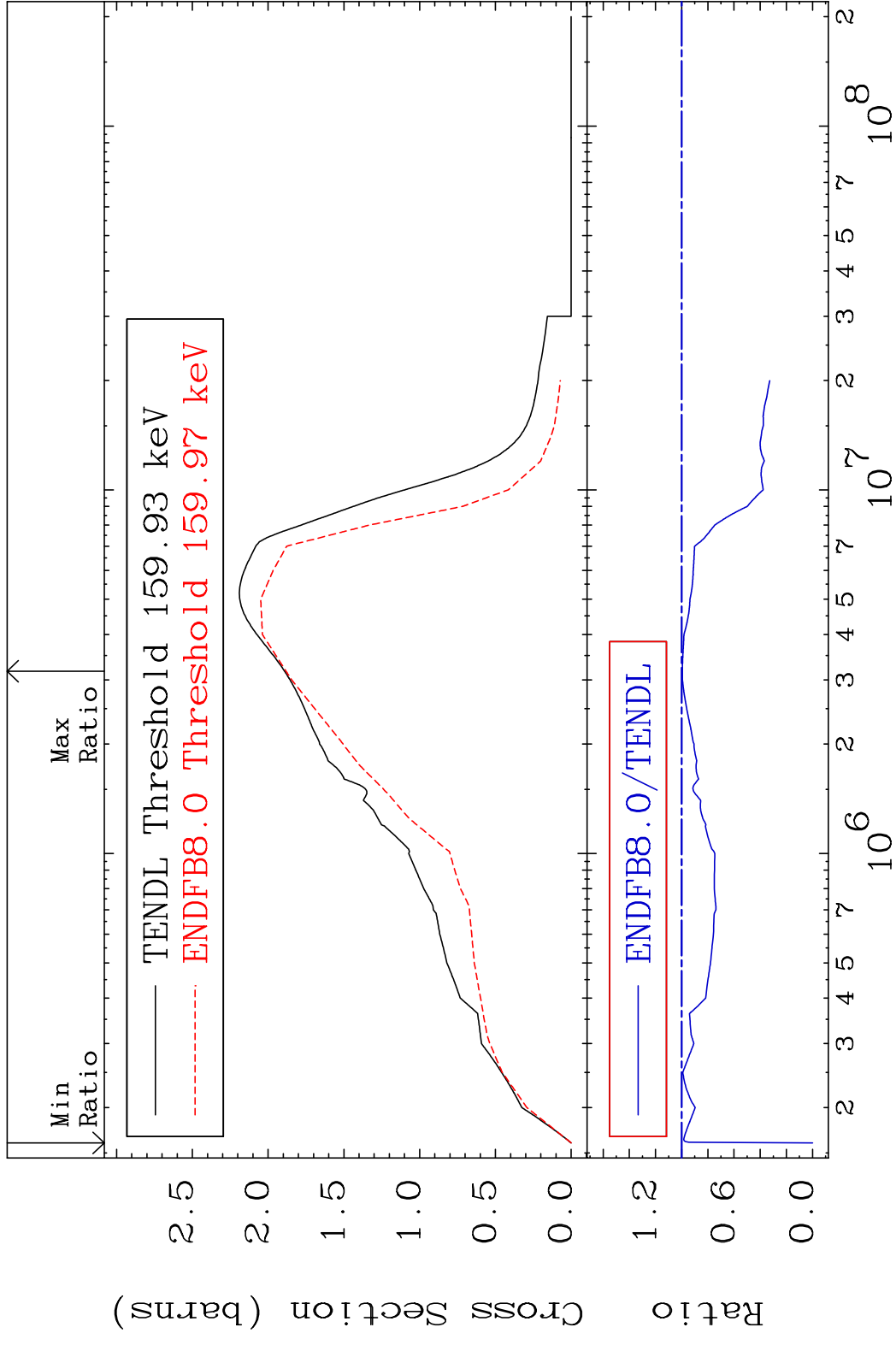


2

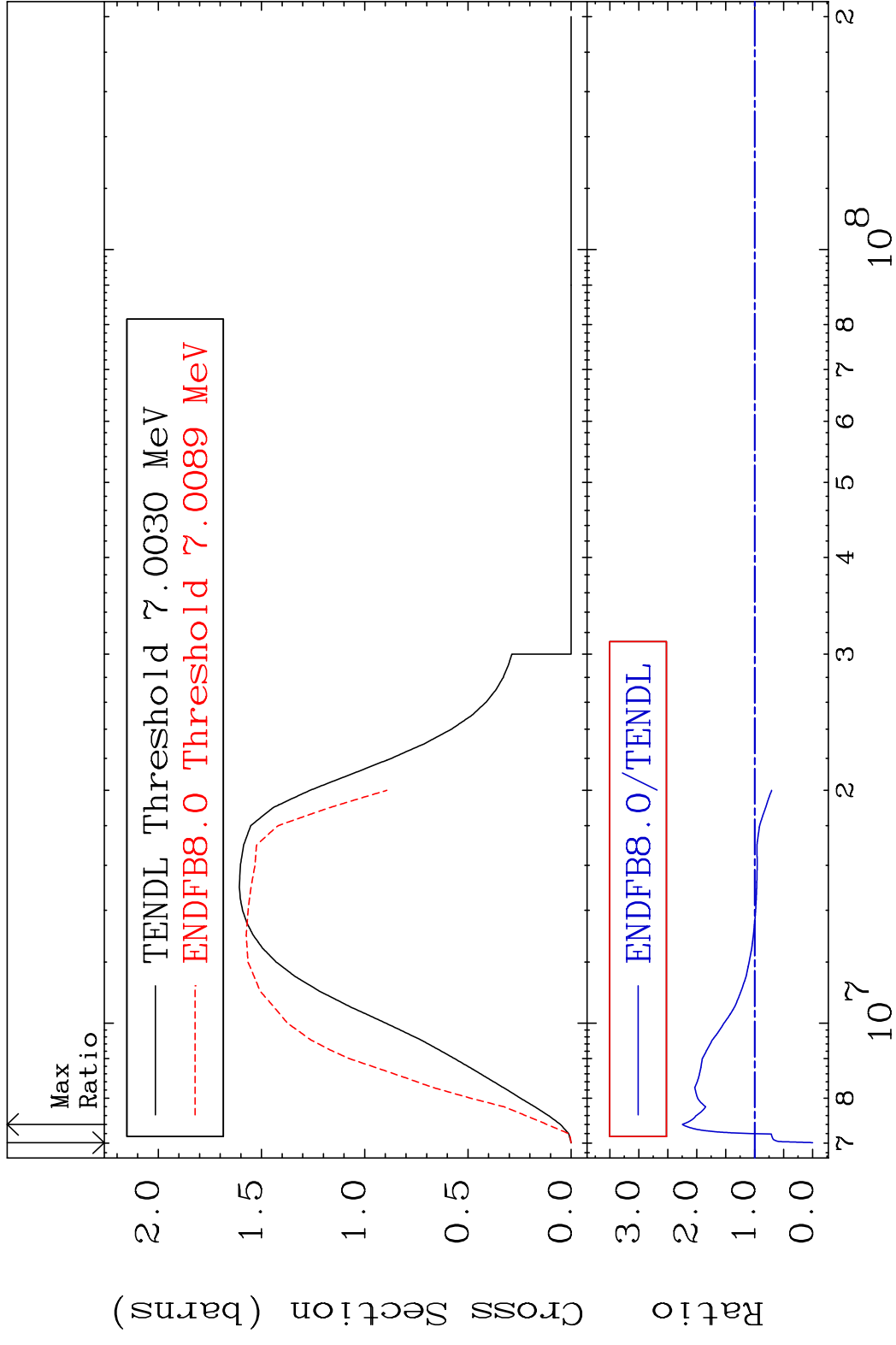
Incident Energy (eV)

50-Sn-117

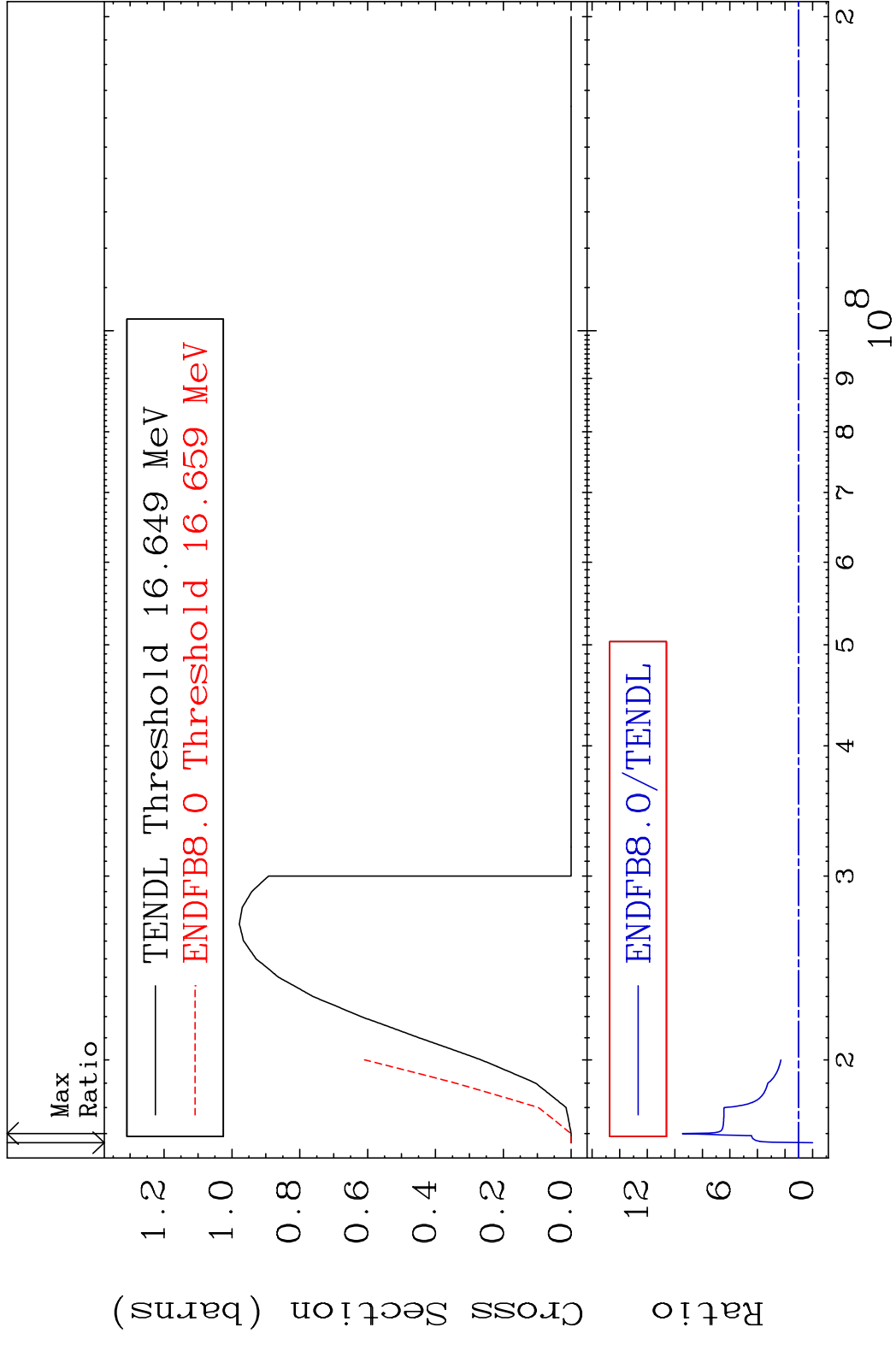
MAT 5040 Inelastic 50-Sn-117  
 Cross Section -100.0 To -0.512%



MAT 5040 (n,2n) 50-Sn-117  
 Cross Section -100.0 To 124.8 %

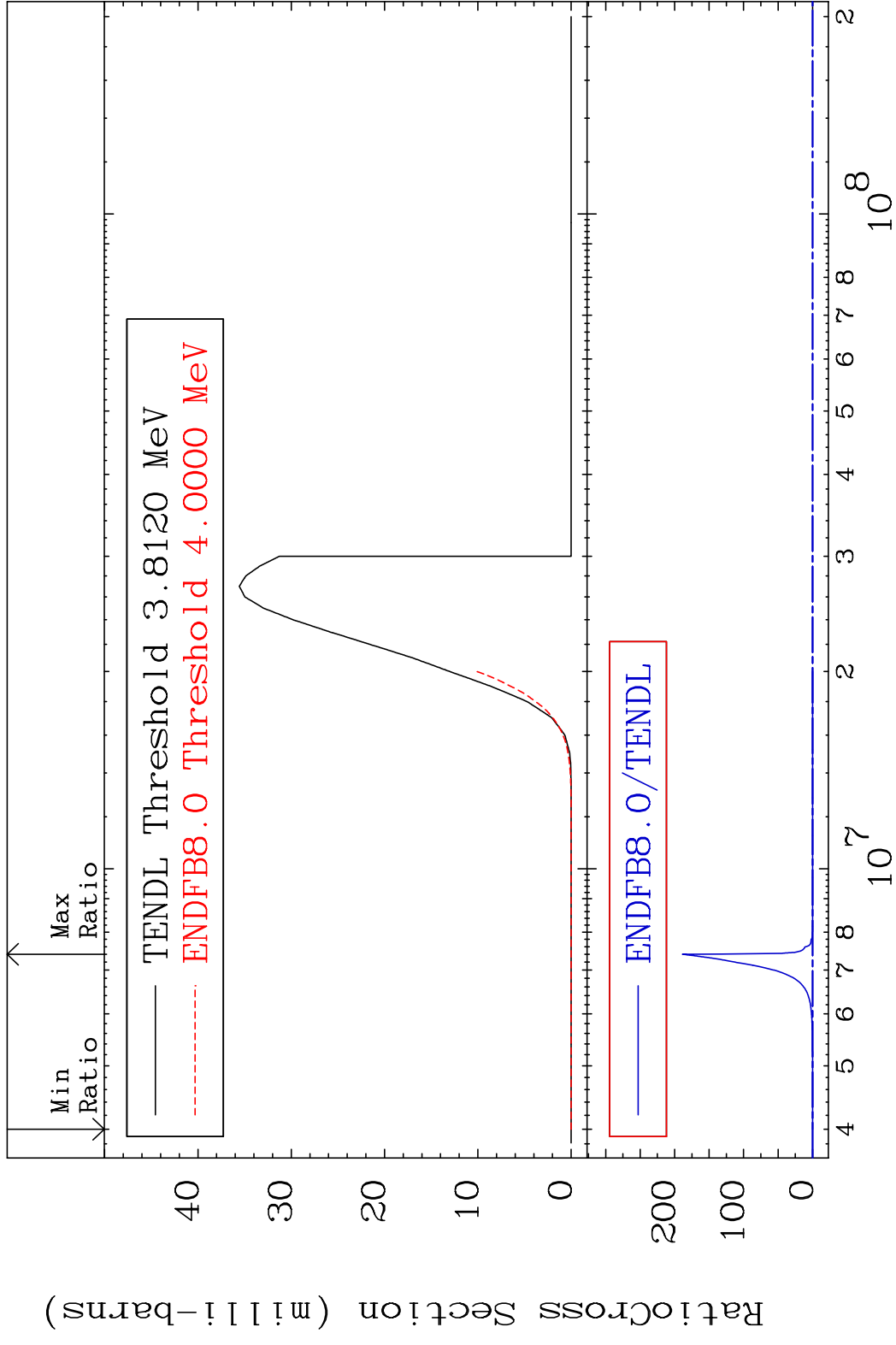


MAT 5040 (n,3n) 50-Sn-117  
 Cross Section -100.0 To 845.2 %

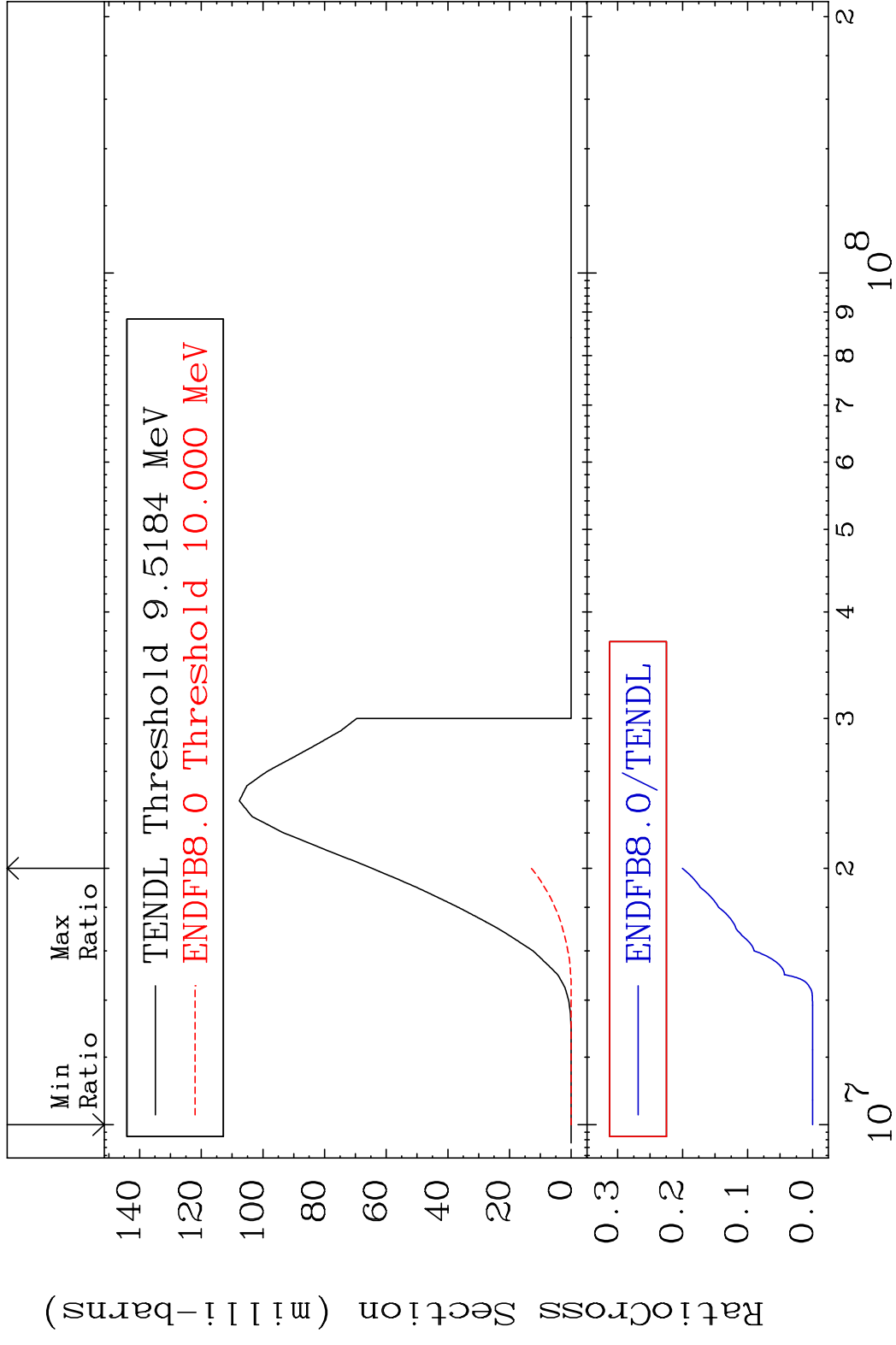


5 Incident Energy (eV) 50-Sn-117

MAT 5040 (n, n')  $\alpha$  50-Sn-117  
 Cross Section -100.0 To 9999. %

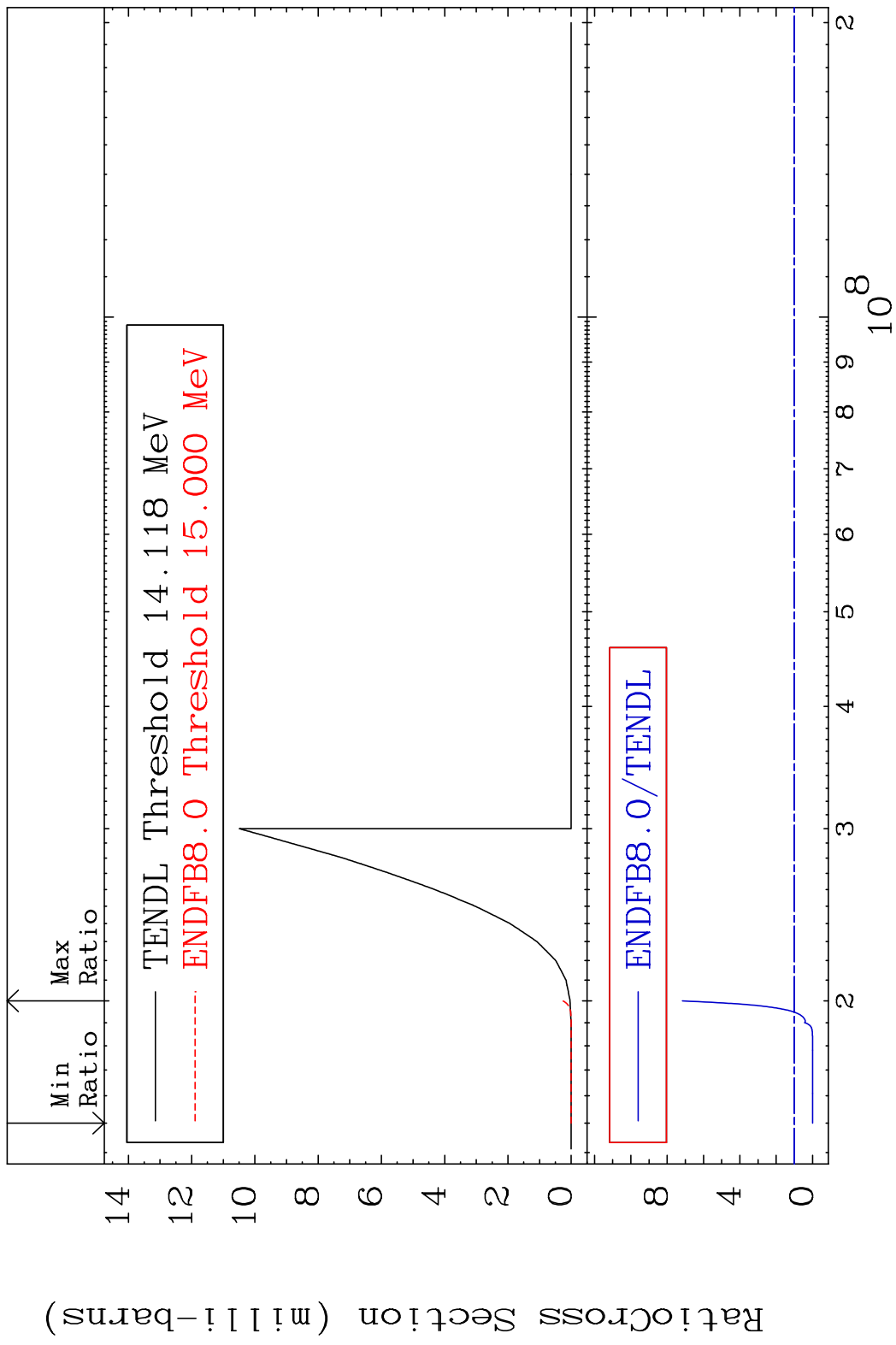


MAT 5040 (n, n') p 50-Sn-117  
 Cross Section -100.0 To -79.97%

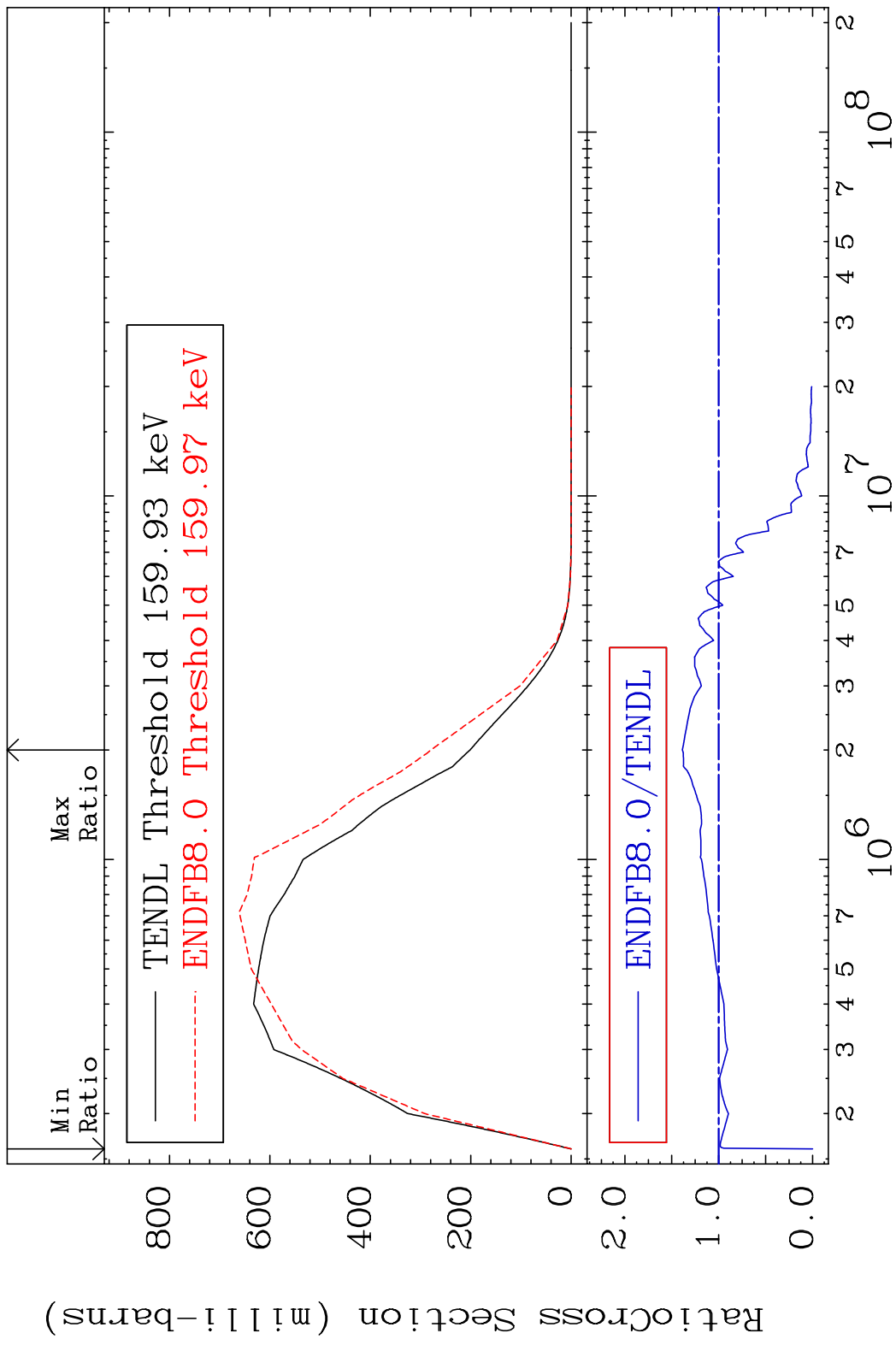


7 8 9 2  
 Incident Energy (eV) 50-Sn-117

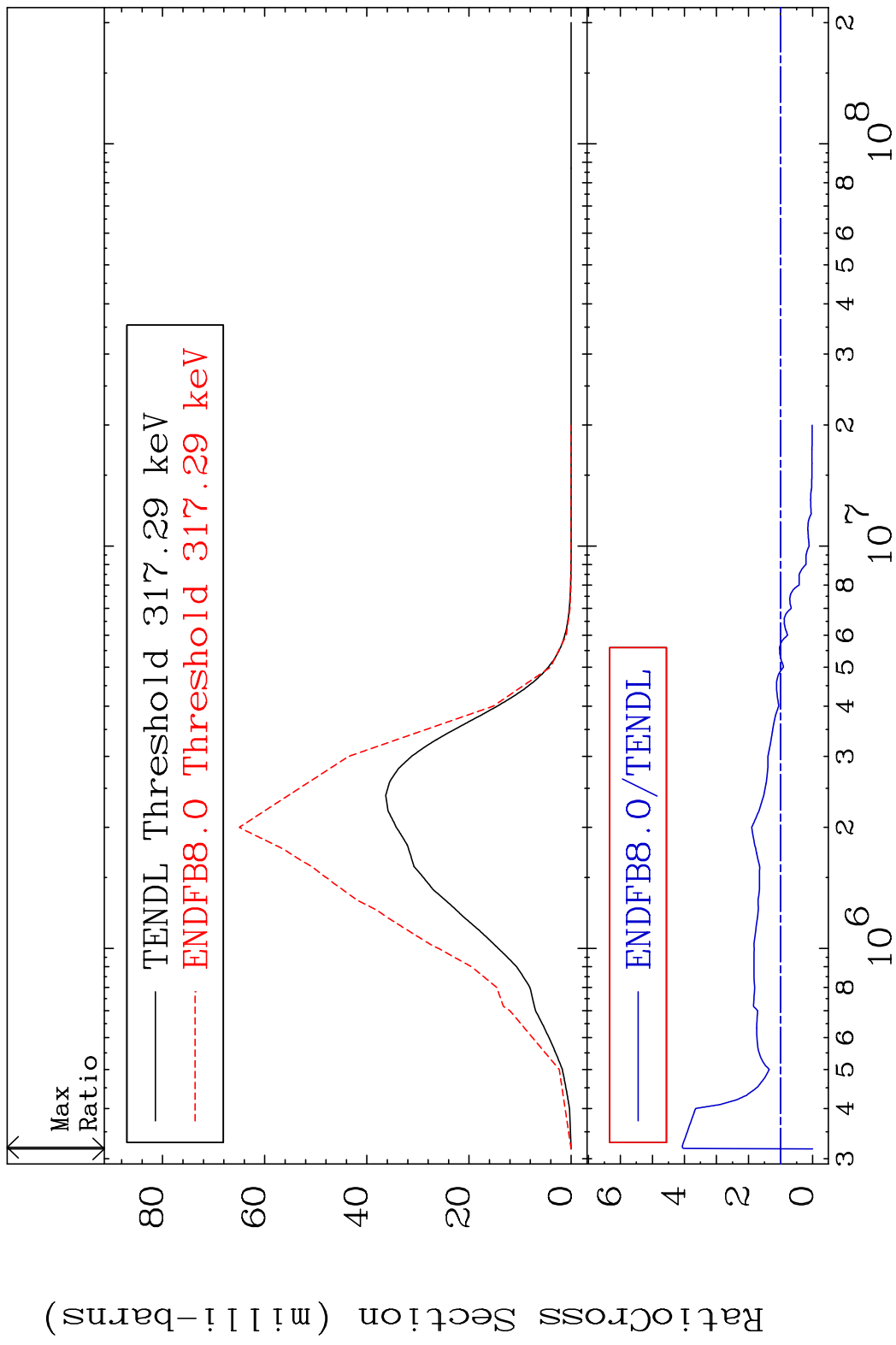
MAT 5040 (n, n') d 50-Sn-117  
 Cross Section -100.0 To 616.5 %



MAT 5040 MT= 51 (n, n') Level 50-Sn-117  
 Cross Section -100.0 To 38.74 %

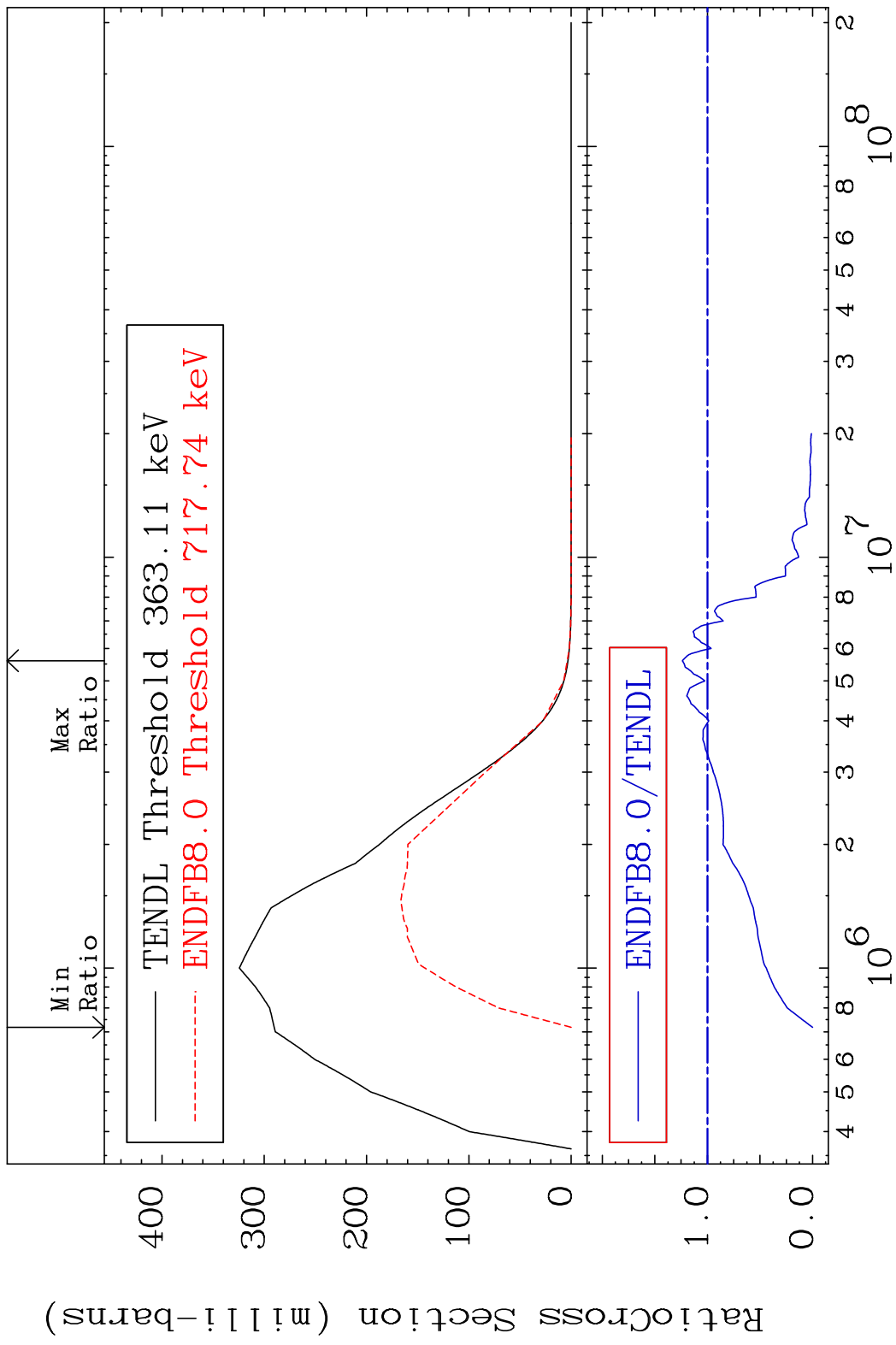


MAT 5040 MT= 52 (n,n') Level 50-Sn-117  
 Cross Section -100.0 To 306.5 %

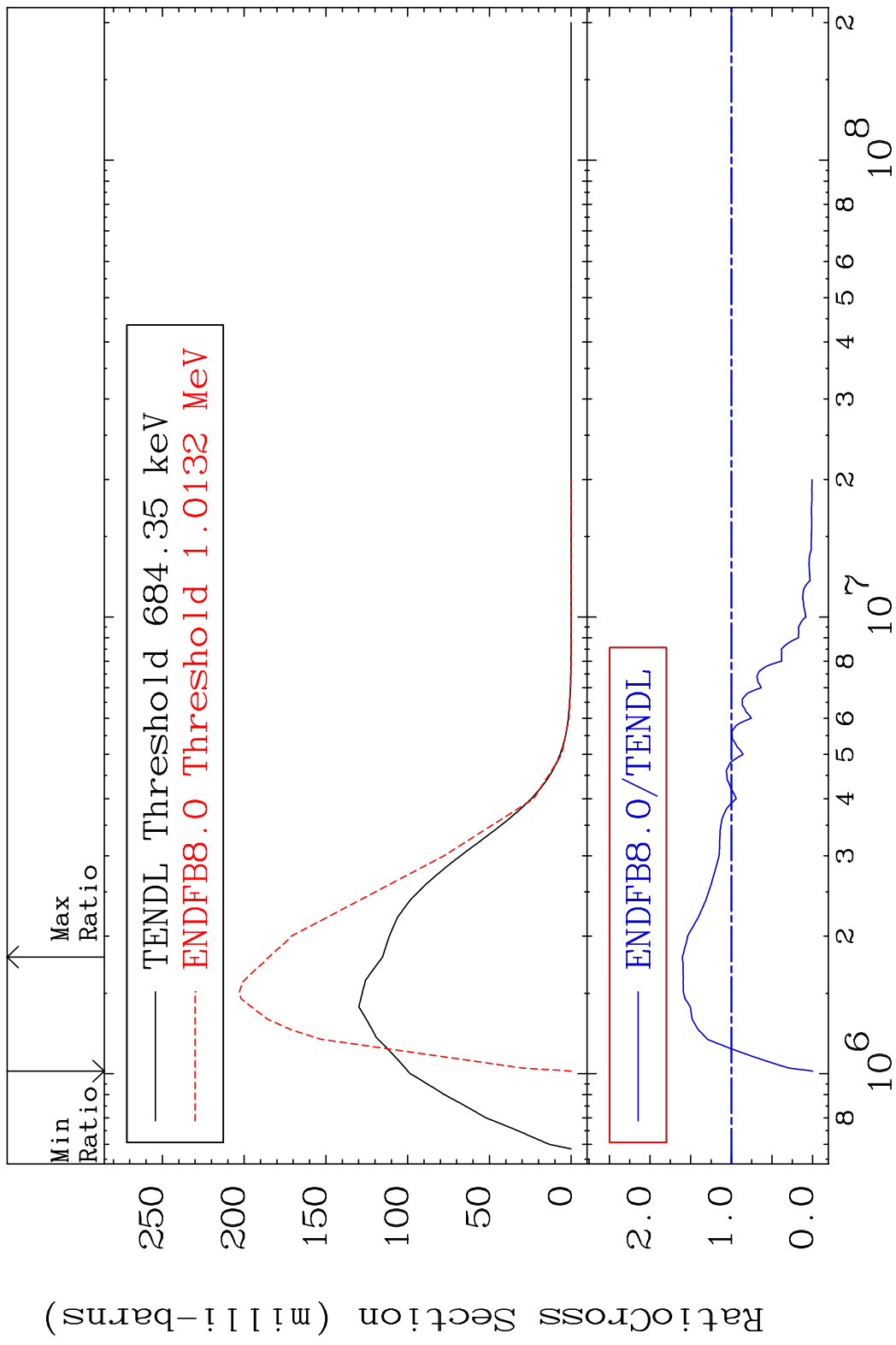


10 Incident Energy (eV) 50-Sn-117

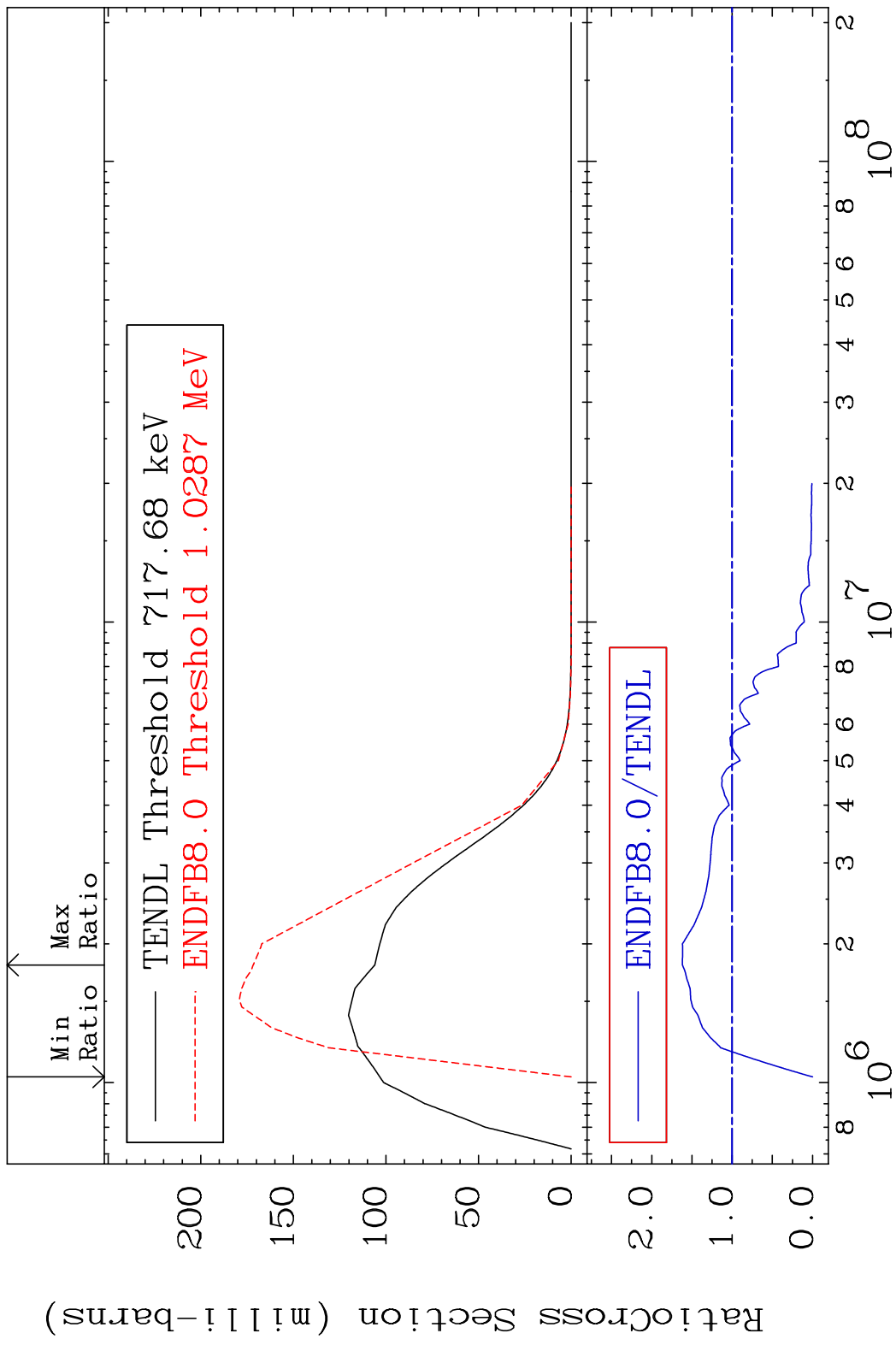
MAT 5040 MT= 53 (n, n') Level 50-Sn-117  
 Cross Section -100.0 To 23.81 %



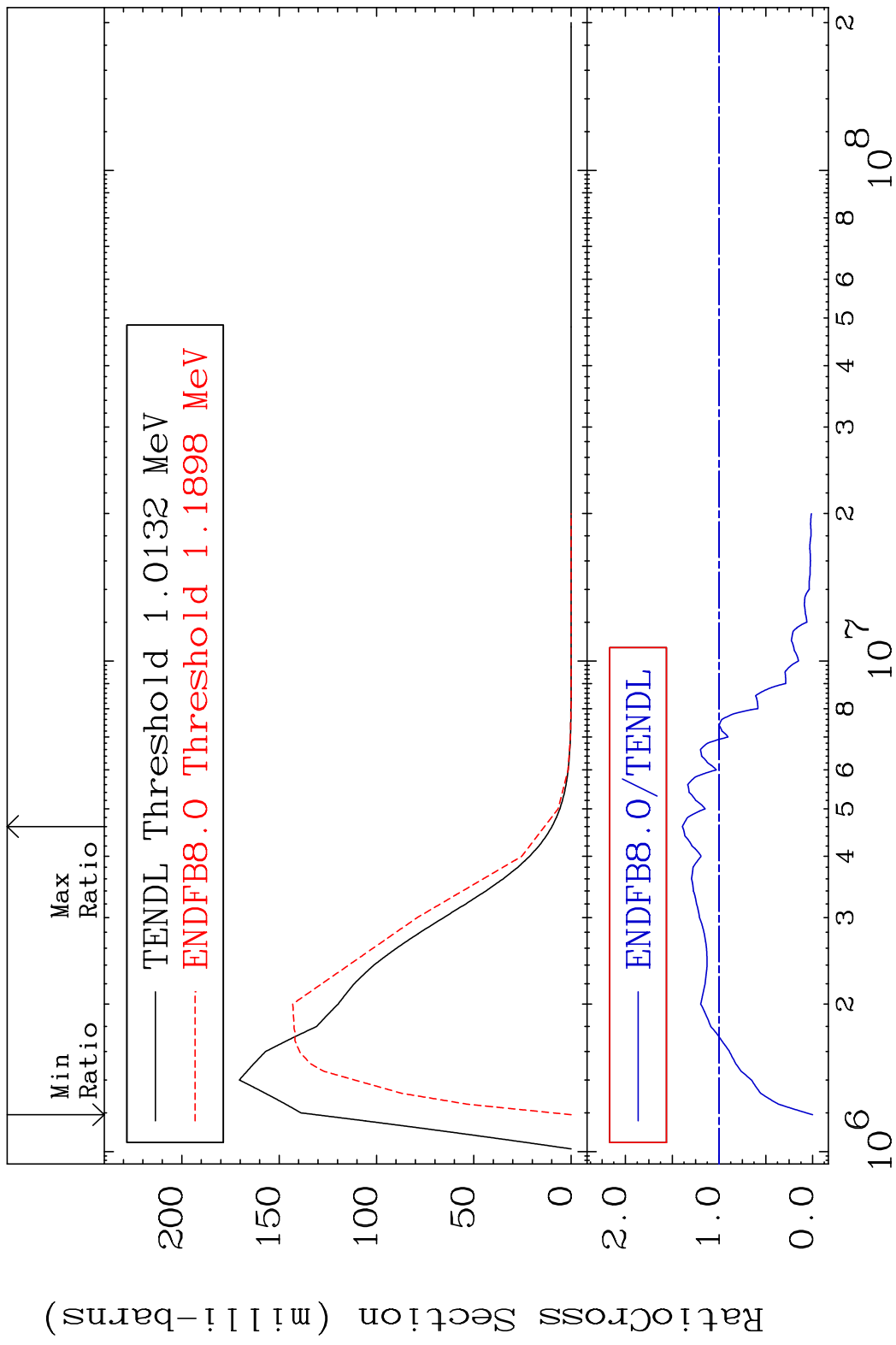
MAT 5040 MT= 54 (n,n') Level 50-Sn-117  
 Cross Section -100.0 To 60.29 %



MAT 5040 MT= 55 (n,n') Level 50-Sn-117  
 Cross Section -100.0 To 61.93 %

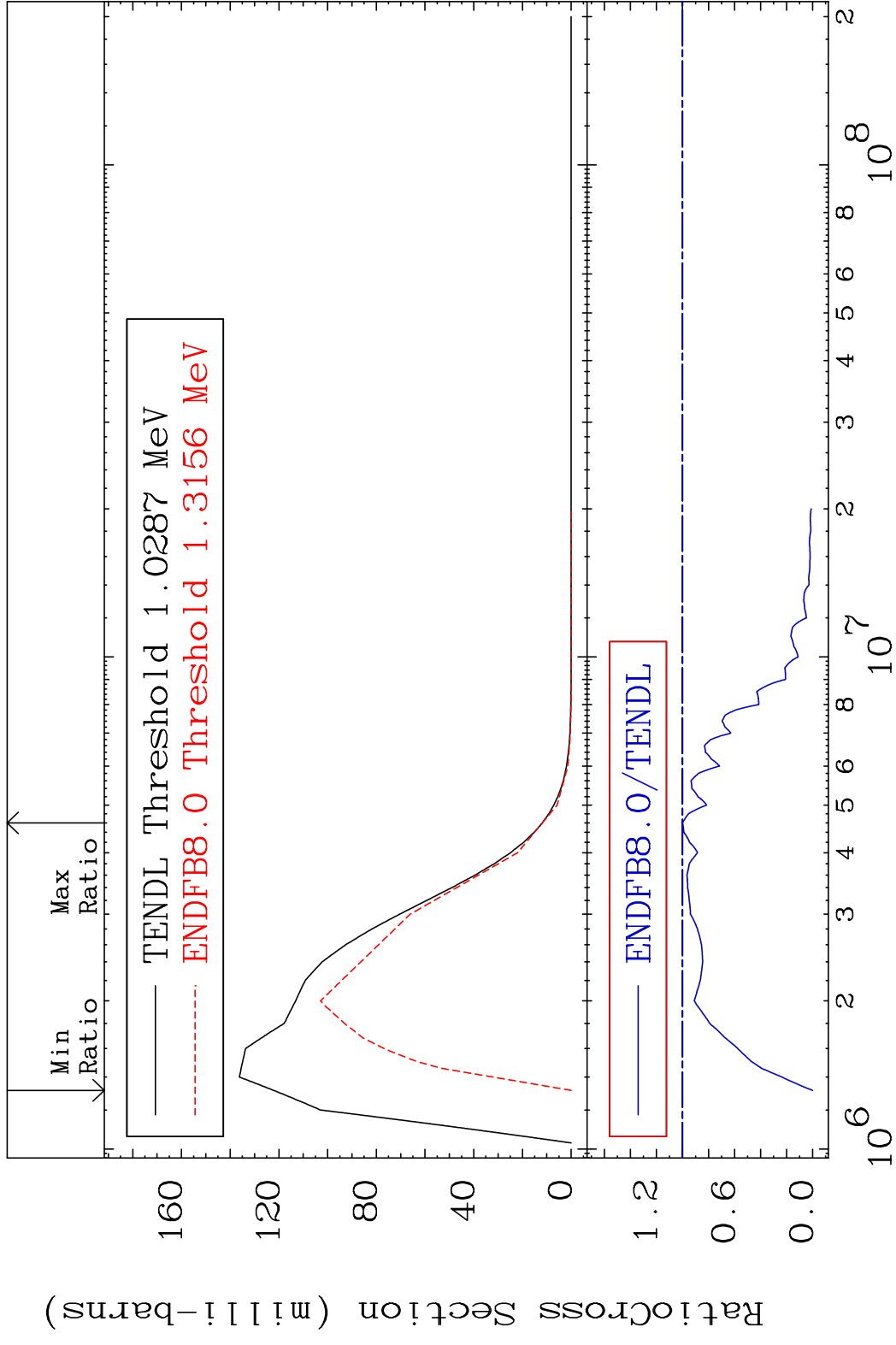


MAT 5040 MT= 56 (n,n') Level 50-Sn-117  
 Cross Section -100.0 To 39.20 %



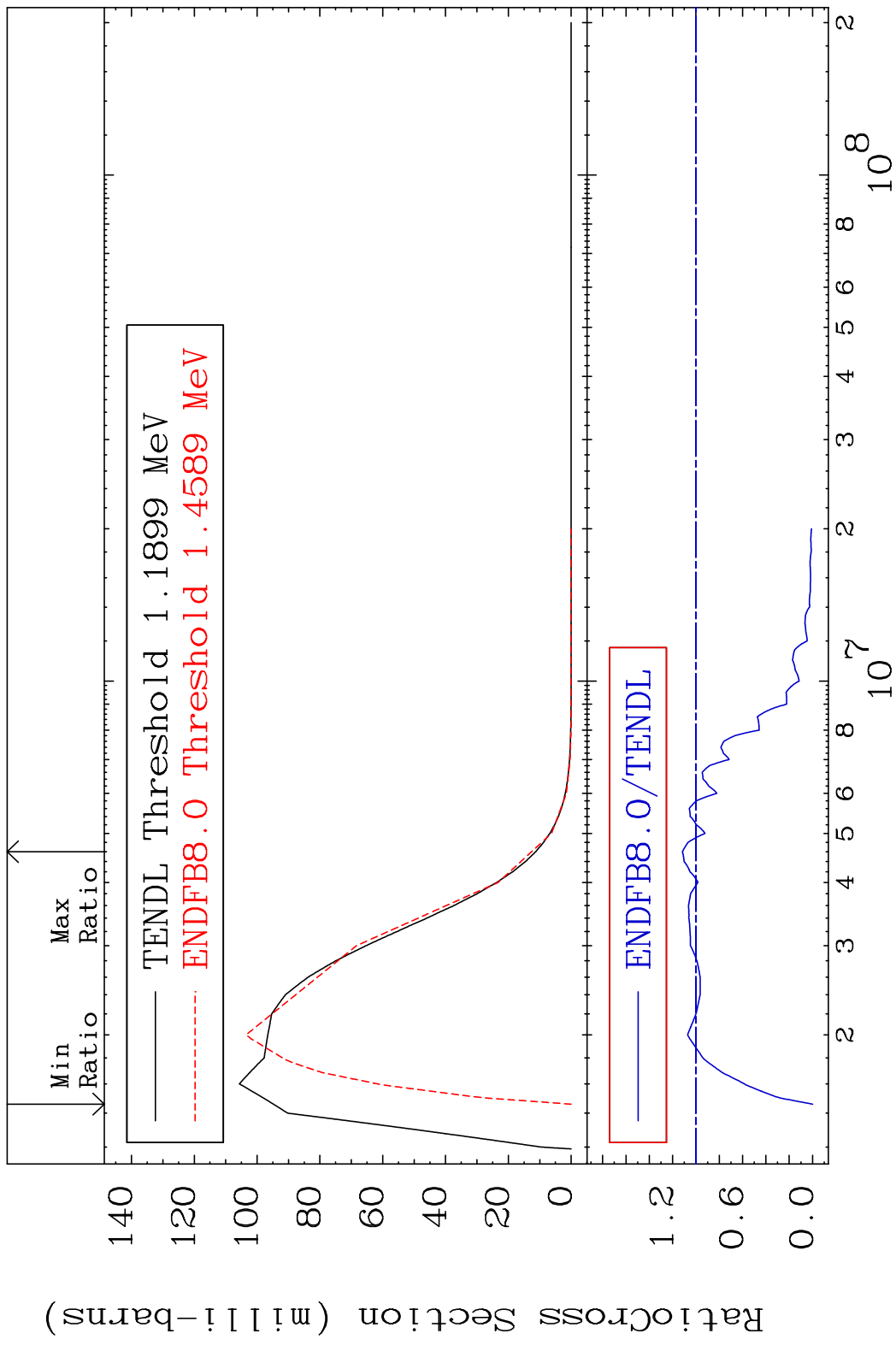
14 Incident Energy (eV) 50-Sn-117

MAT 5040 MT= 57 (n, n') Level 50-Sn-117  
 Cross Section -100.0 To 0.114 %

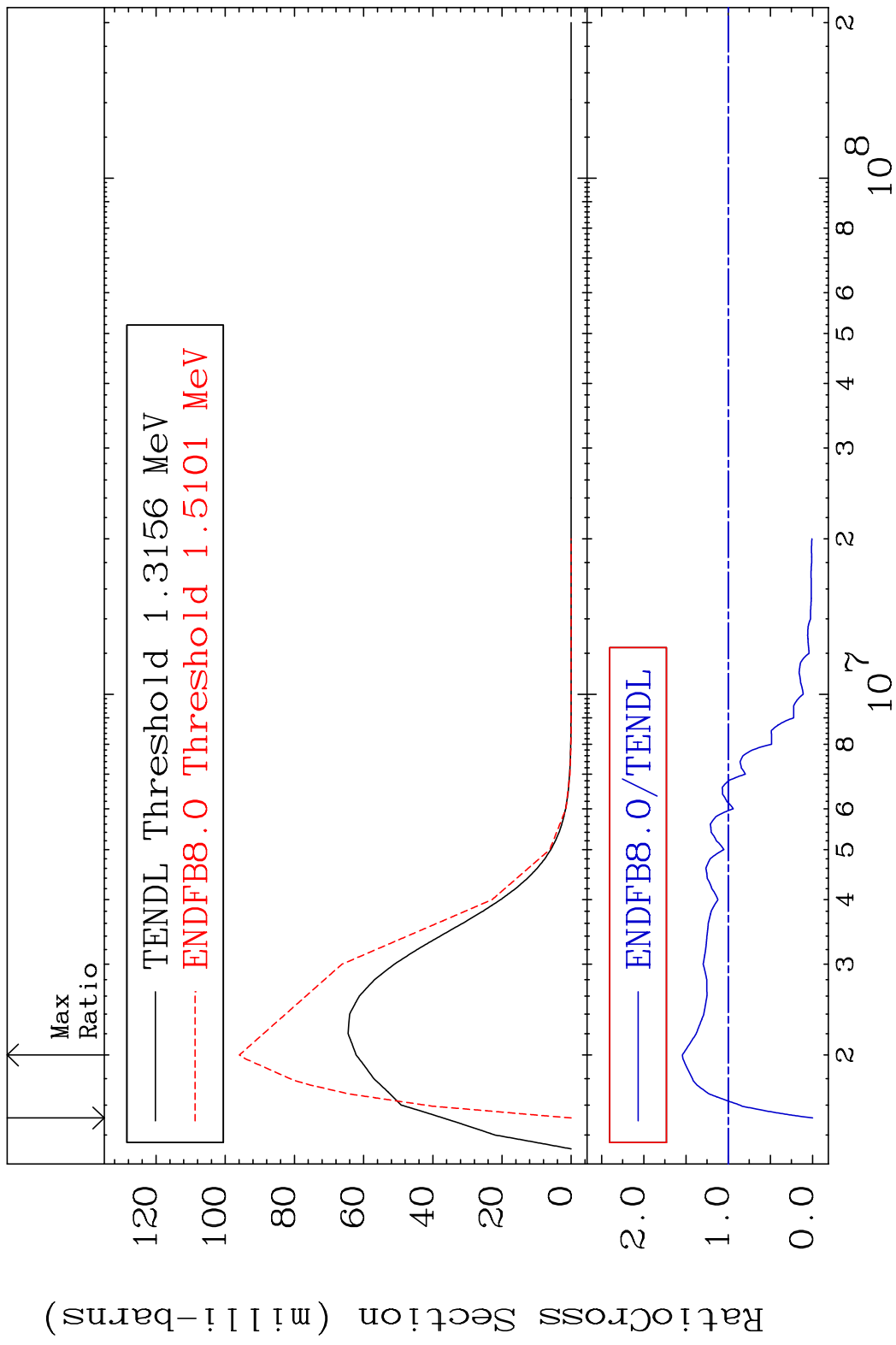


15 Incident Energy (eV) 50-Sn-117

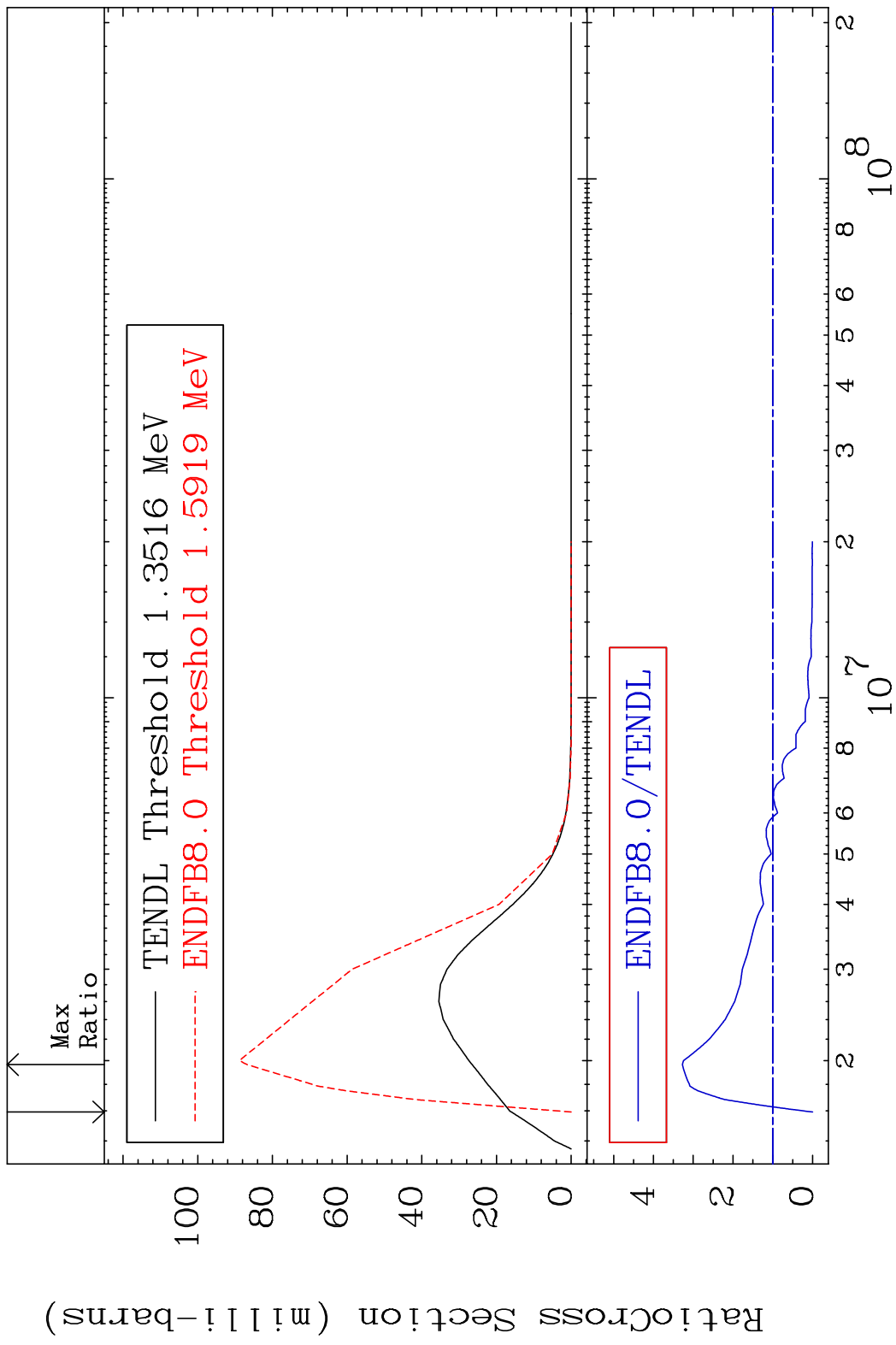
MAT 5040 MT= 58 (n, n') Level 50-Sn-117  
 Cross Section -100.0 To 11.64 %



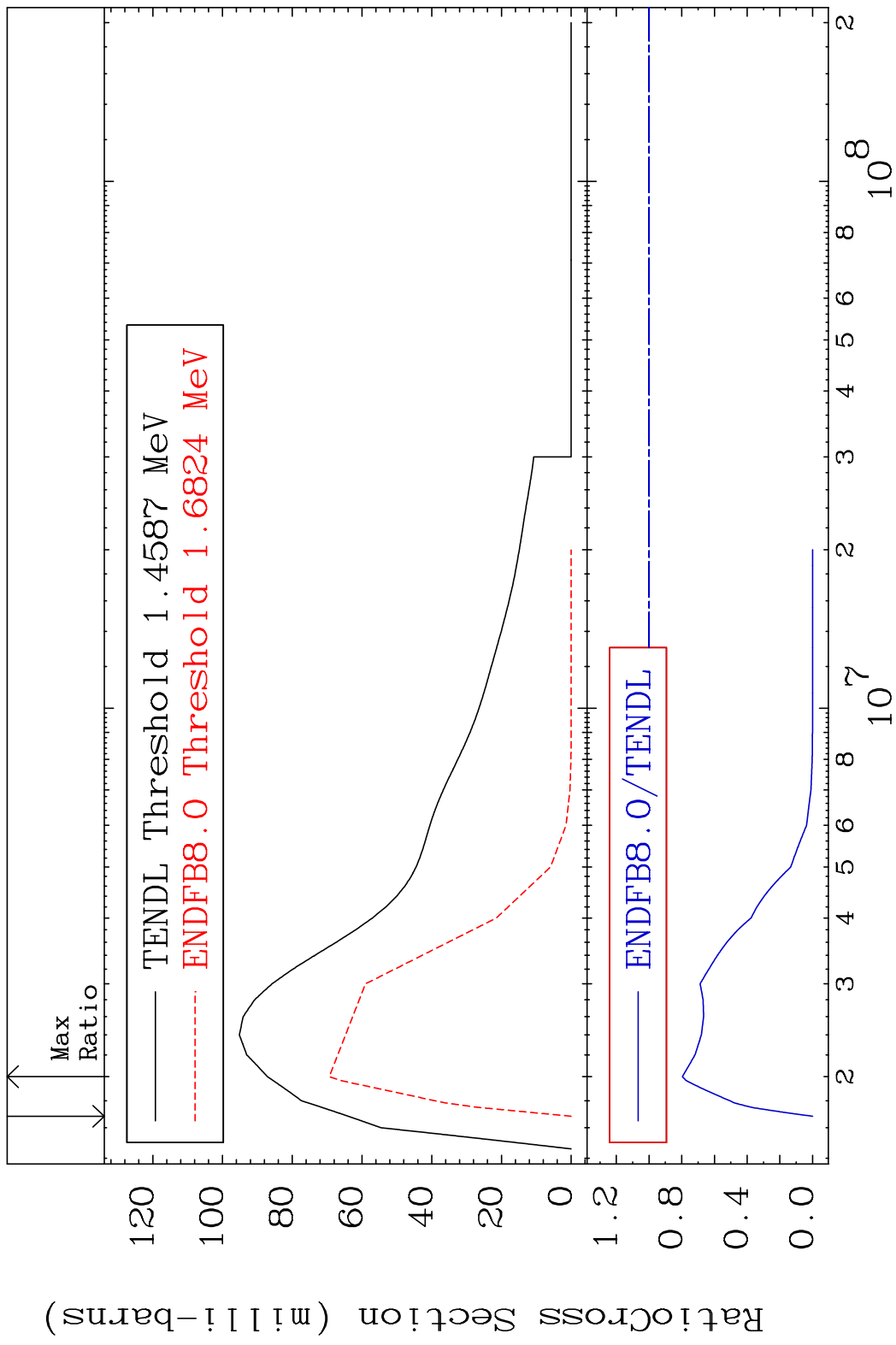
MAT 5040 MT= 59 (n, n') Level 50-Sn-117  
 Cross Section -100.0 To 54.34 %



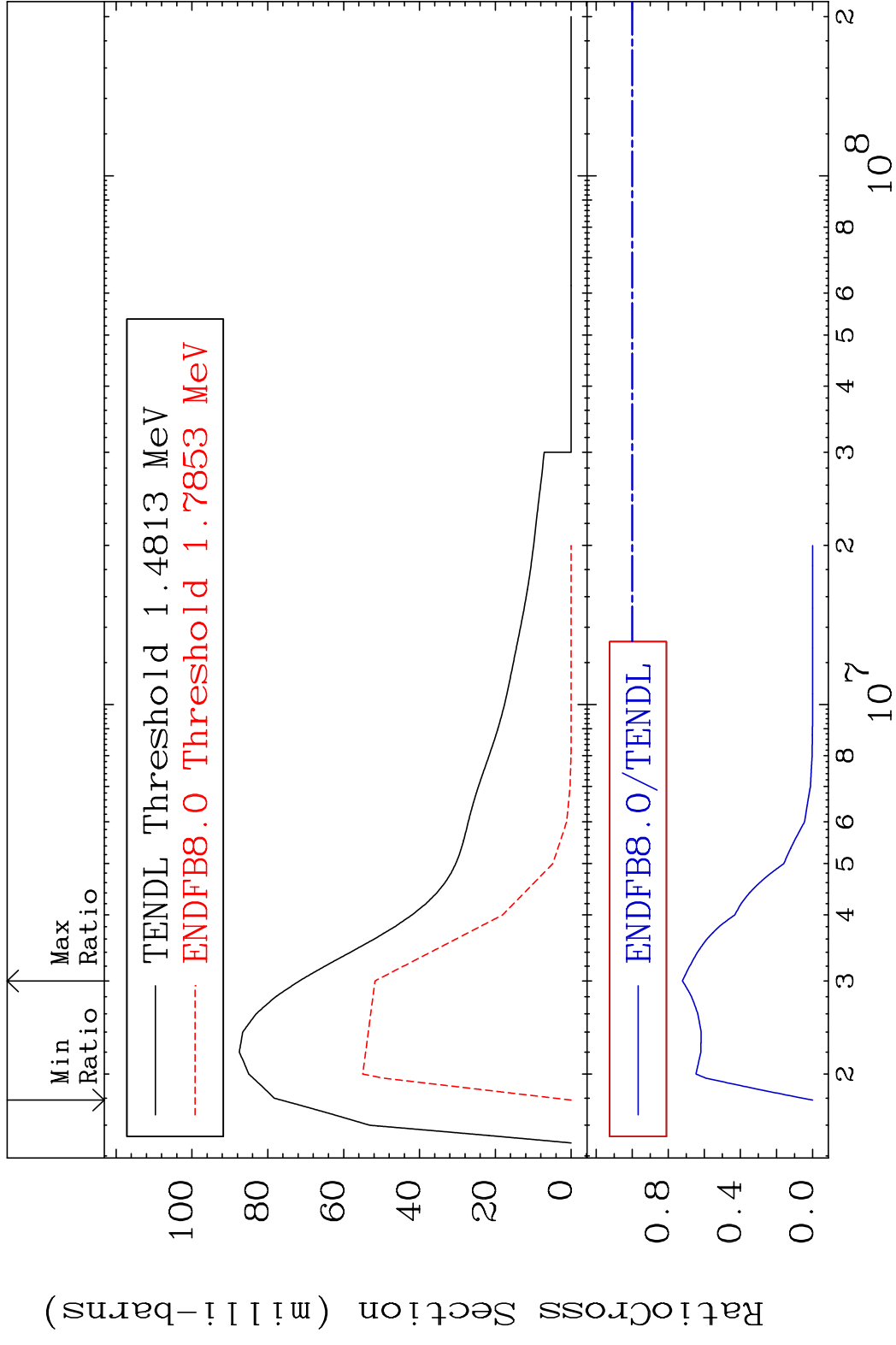
MAT 5040 MT= 60 (n, n') Level 50-Sn-117  
 Cross Section -100.0 To 227.3 %



MAT 5040 MT= 61 (n, n') Level 50-Sn-117  
 Cross Section -100.0 To -20.39%

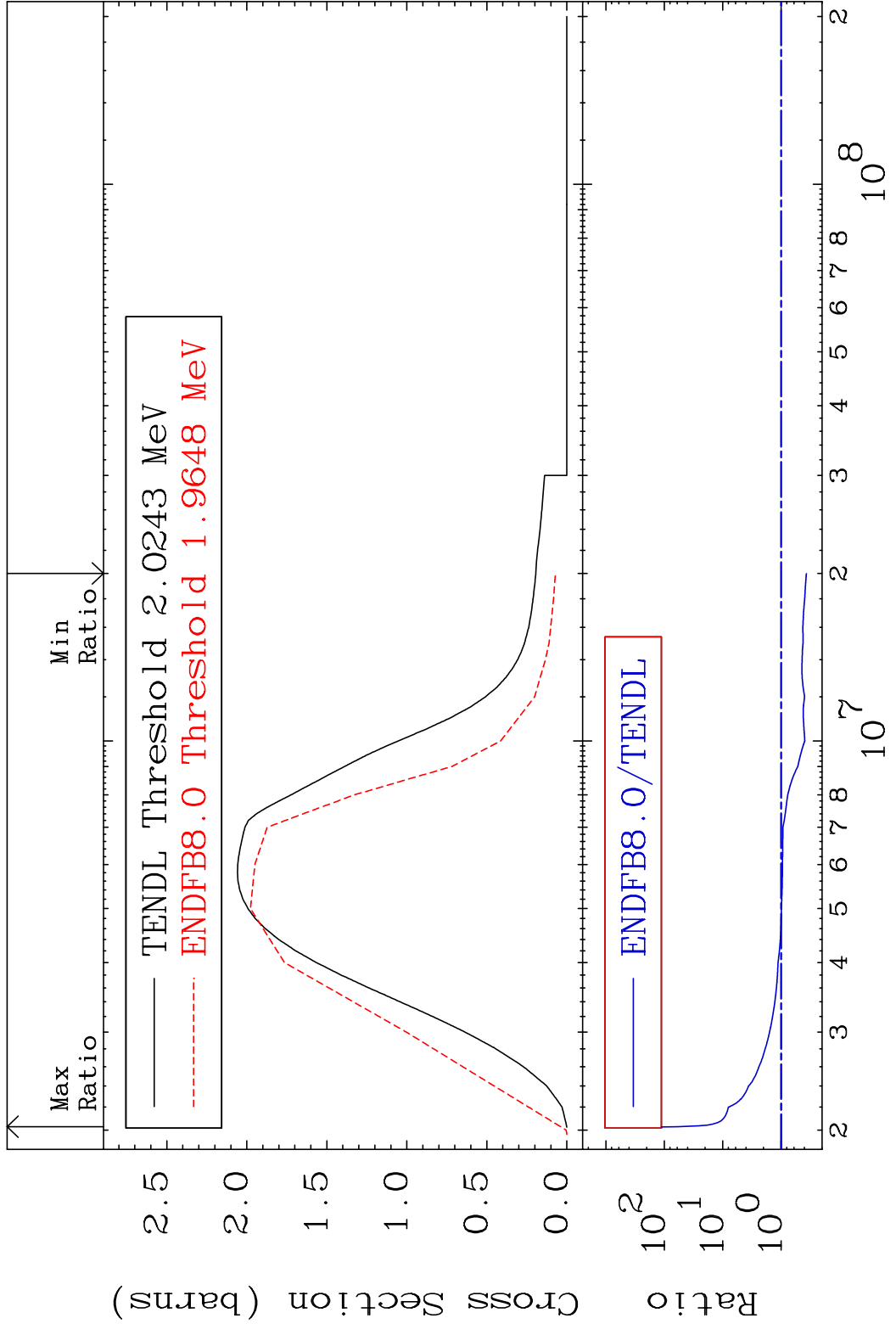


MAT 5040 MT= 62 (n, n') Level 50-Sn-117  
 Cross Section -100.0 To -27.82%



20 Incident Energy (eV) 50-Sn-117

MAT 5040 (n,n') Continuum 50-Sn-117  
 Cross Section -63.13 To 5913. %

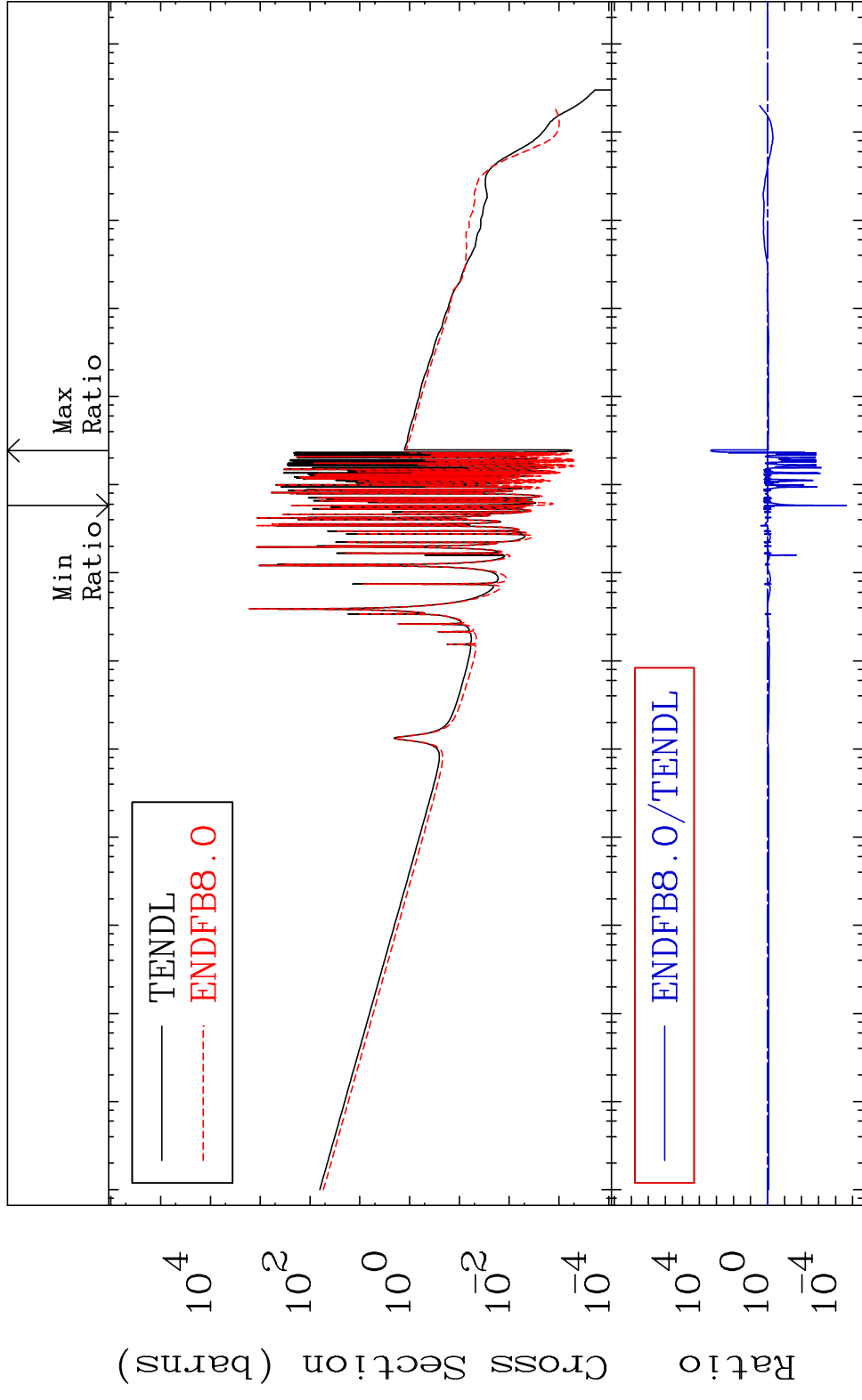


MAT 5040

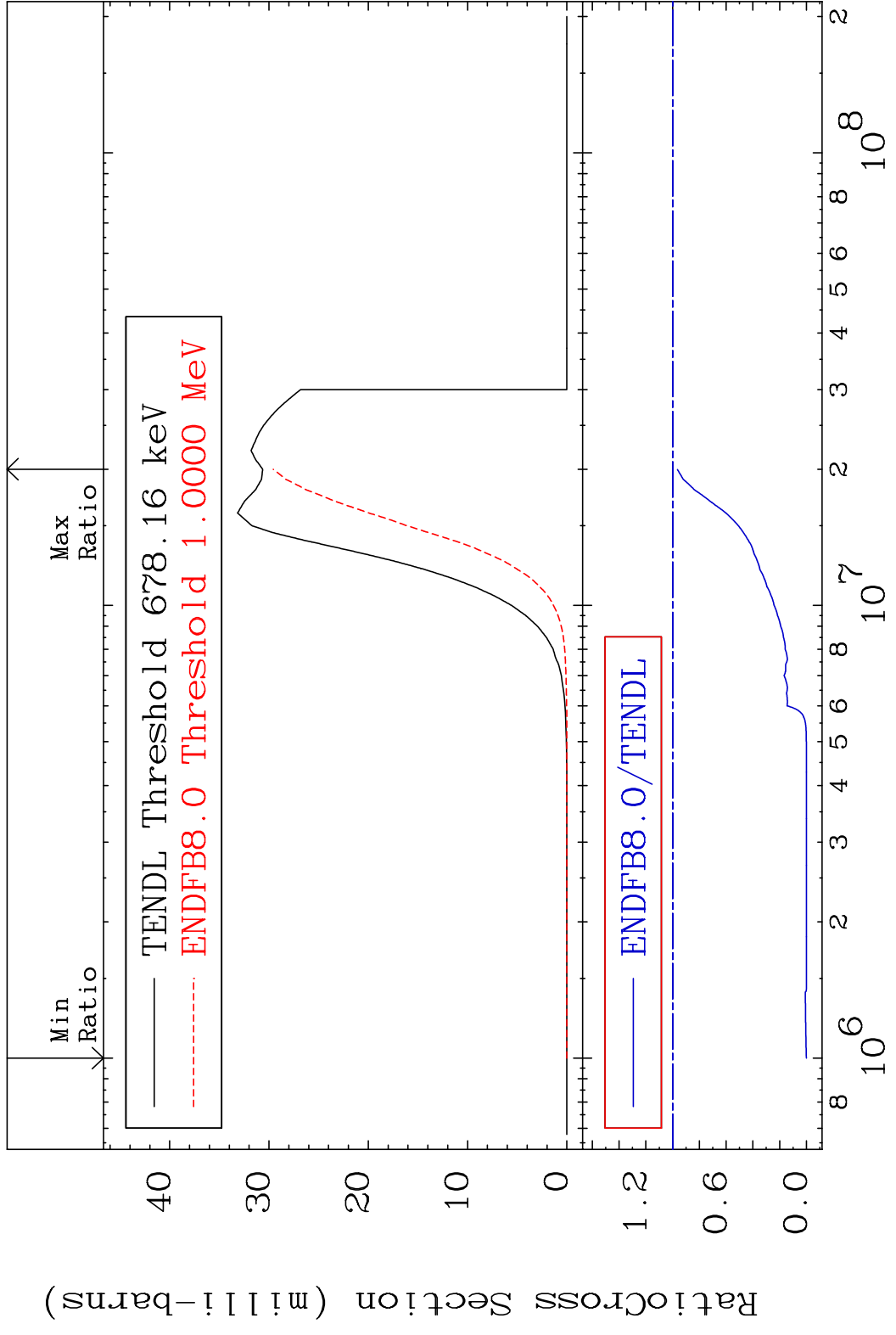
50-Sn-117

(n,  $\gamma$ )

Cross Section -100.0 To 9999. %

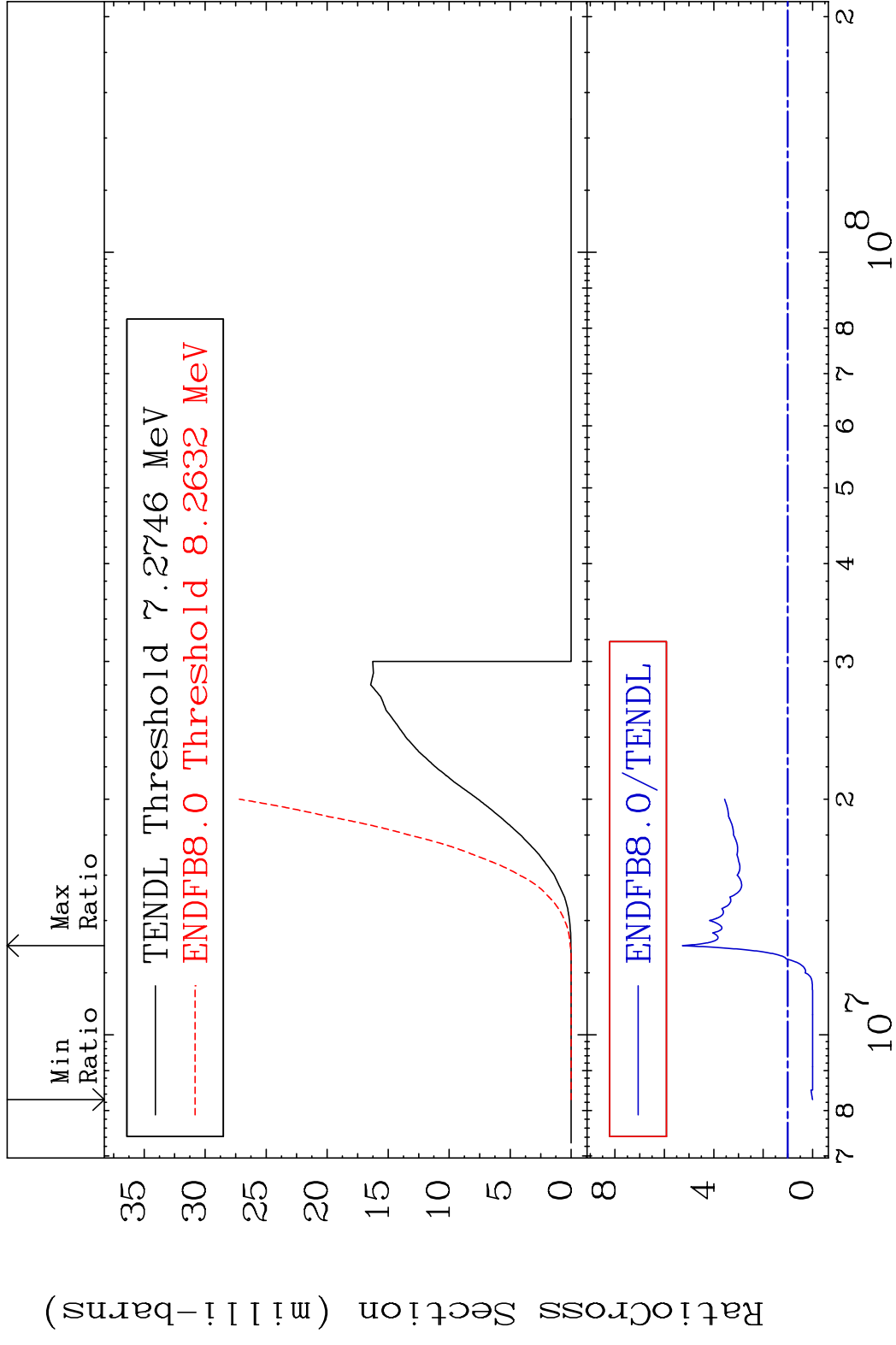


MAT 5040 (n,p) 50-Sn-117  
 Cross Section -100.0 To -3.410%

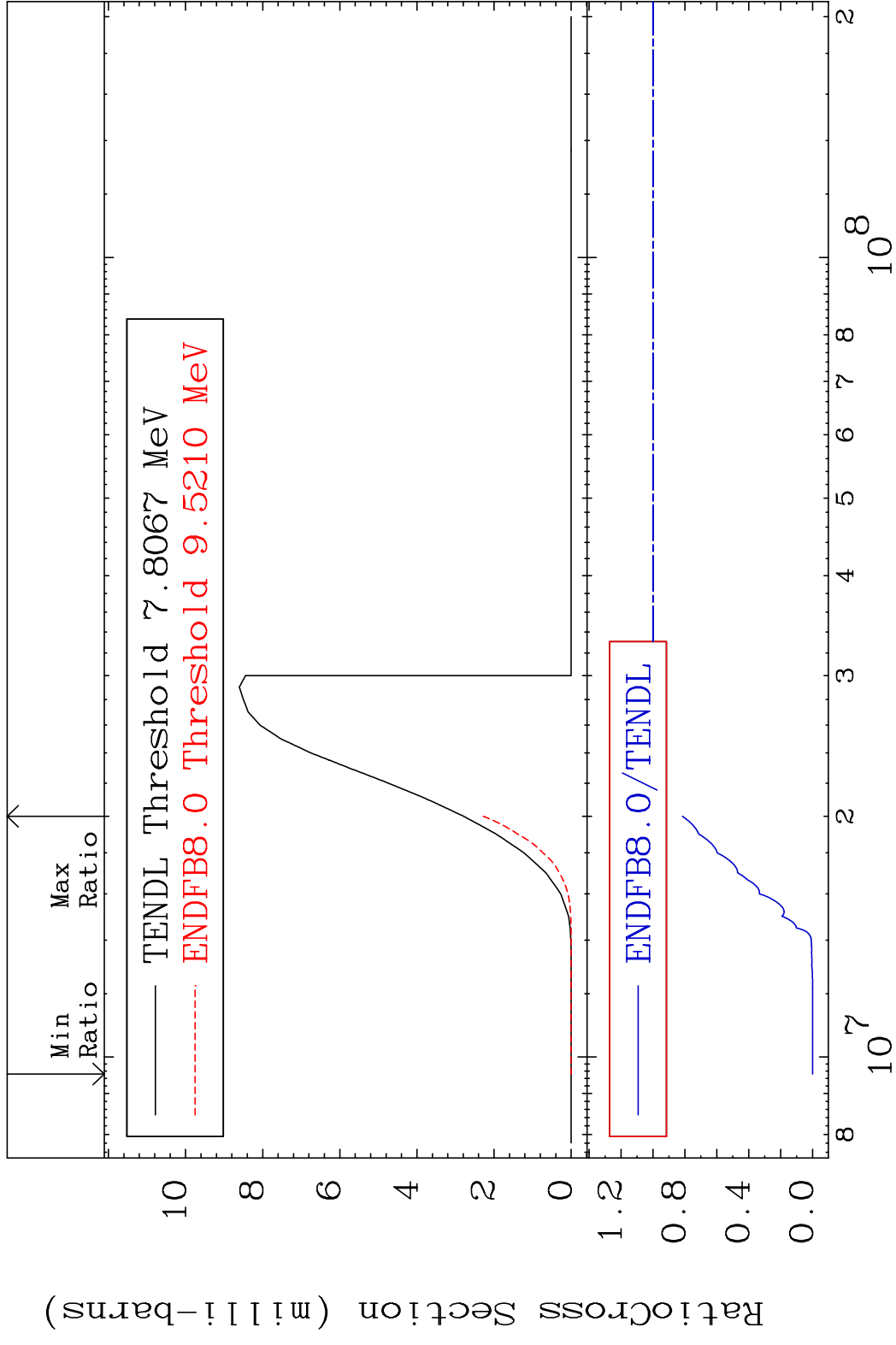


23 Incident Energy (eV) 50-Sn-117

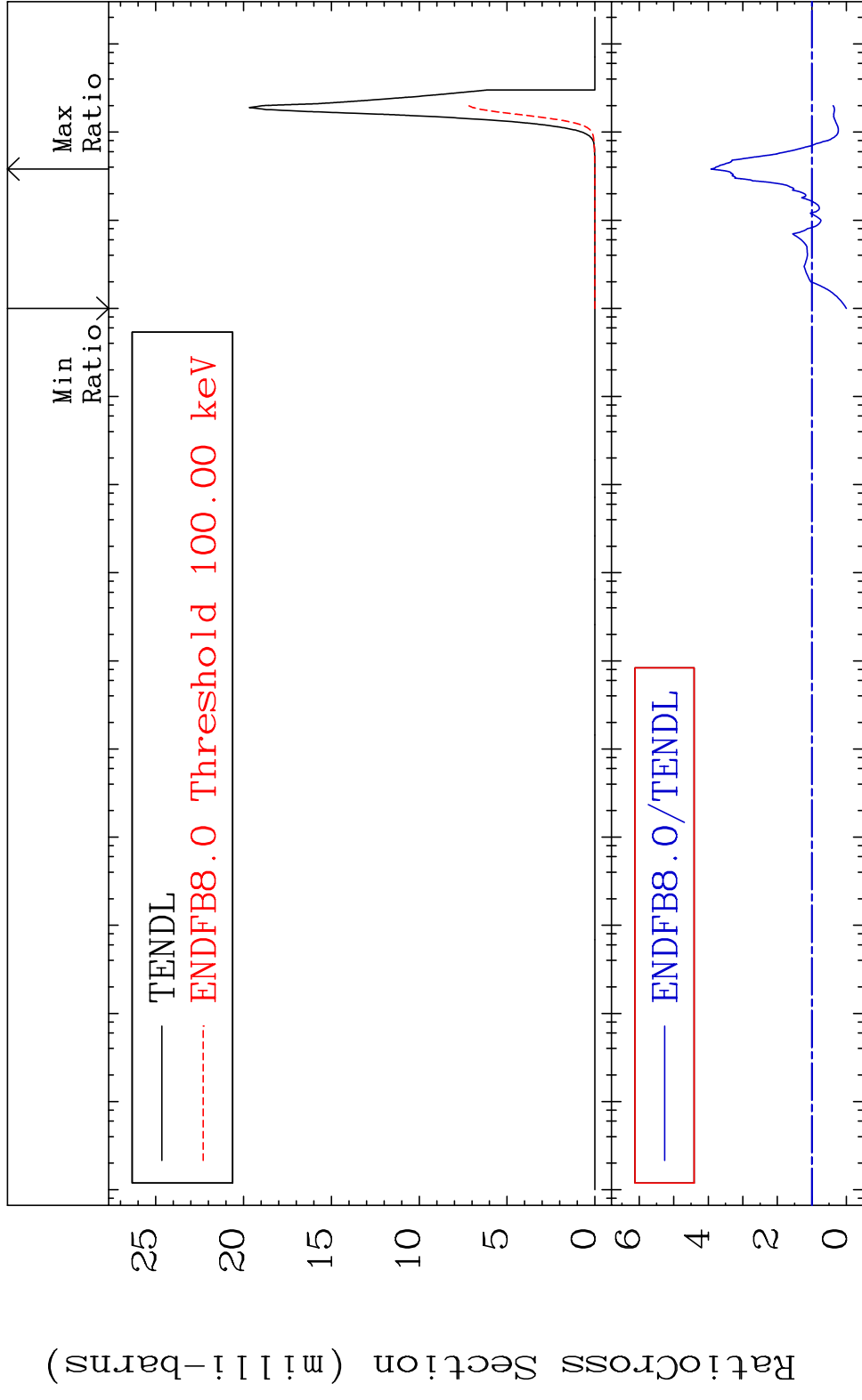
MAT 5040 (n,d) 50-Sn-117  
 Cross Section -100.0 To 427.2 %



MAT 5040 (n, t) 50-Sn-117  
 Cross Section -100.0 To -18.43%



MAT 5040 (n,  $\alpha$ ) 50-Sn-117  
 Cross Section -100.0 To 293.0 %

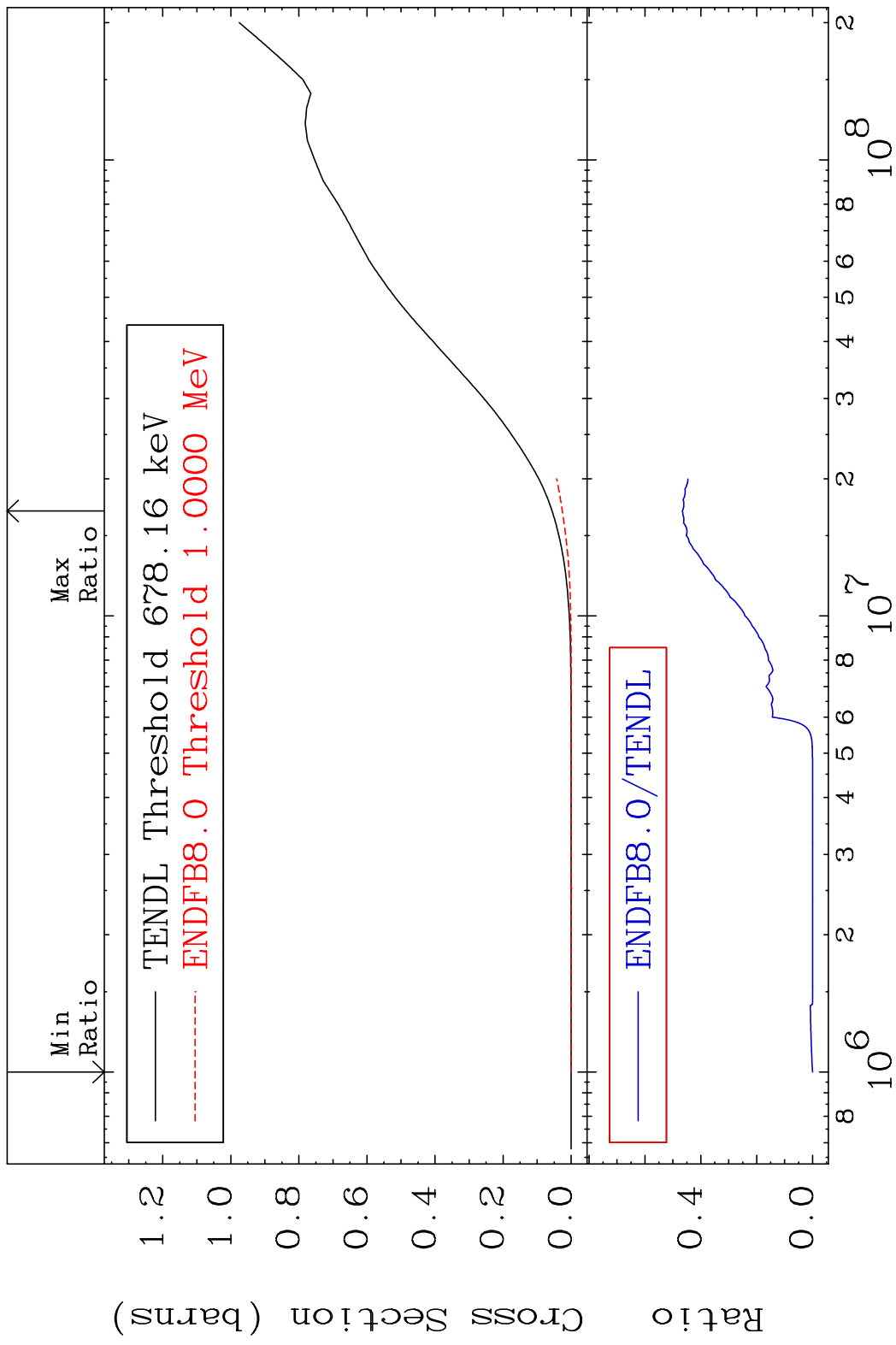


10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

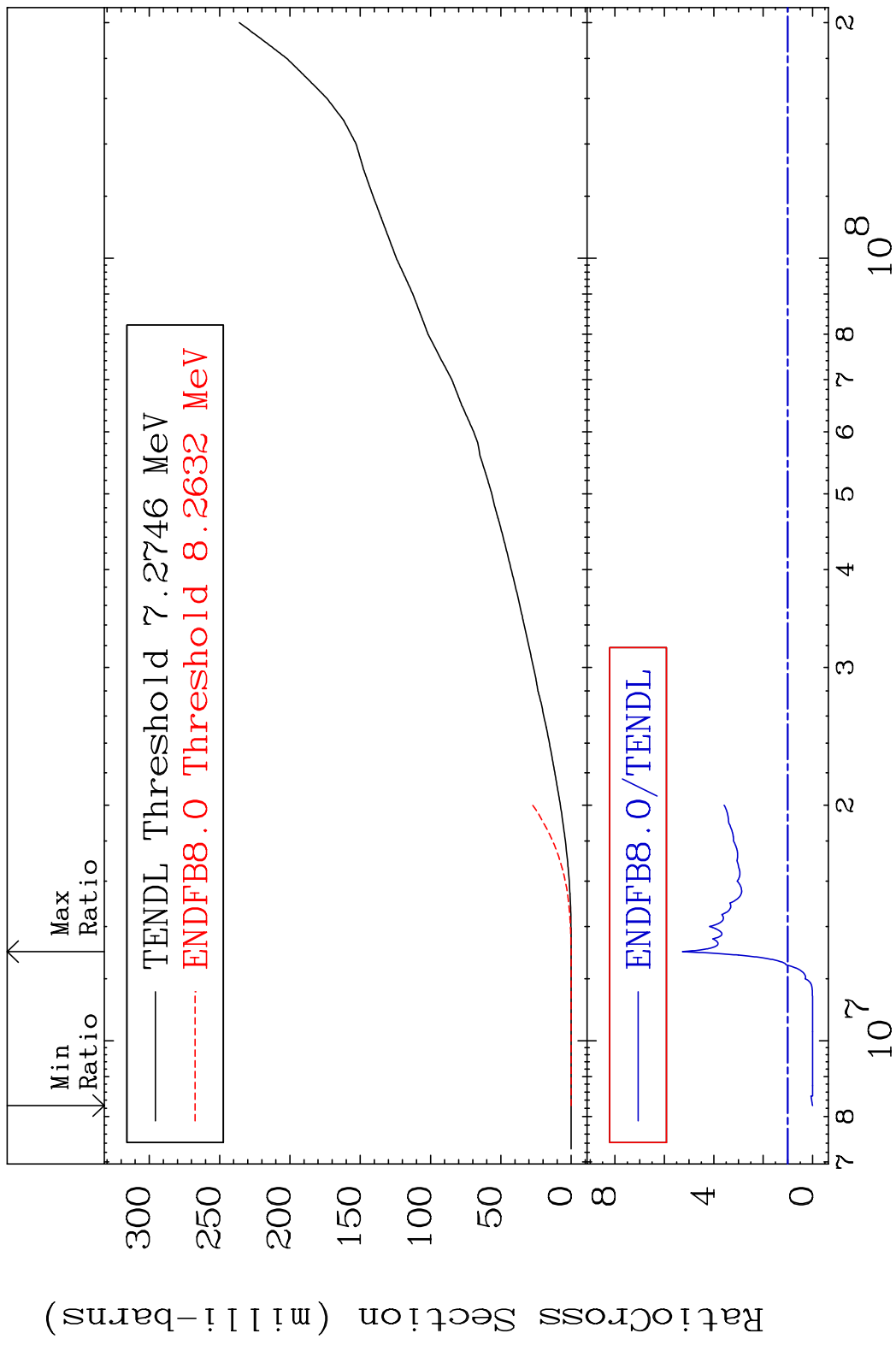
Incident Energy (eV)

26 50-Sn-117

MAT 5040 Hydrogen Production 50-Sn-117  
 Cross Section -100.0 To -53.38%

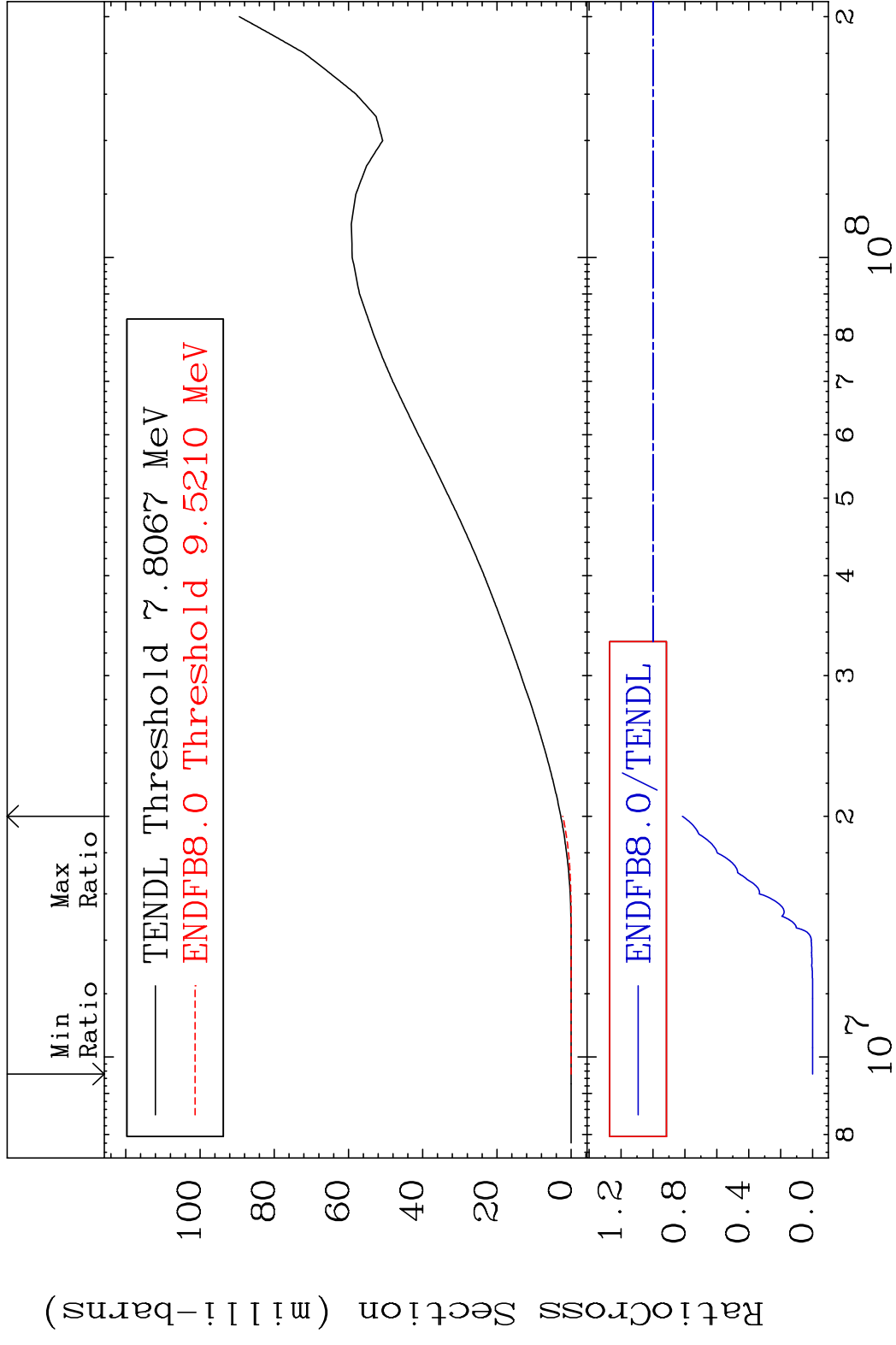


MAT 5040 Deuterium Production 50-Sn-117  
 Cross Section -100.0 To 427.2 %



MAT 5040

Tritium Production 50-Sn-117  
Cross Section -100.0 To -18.43%

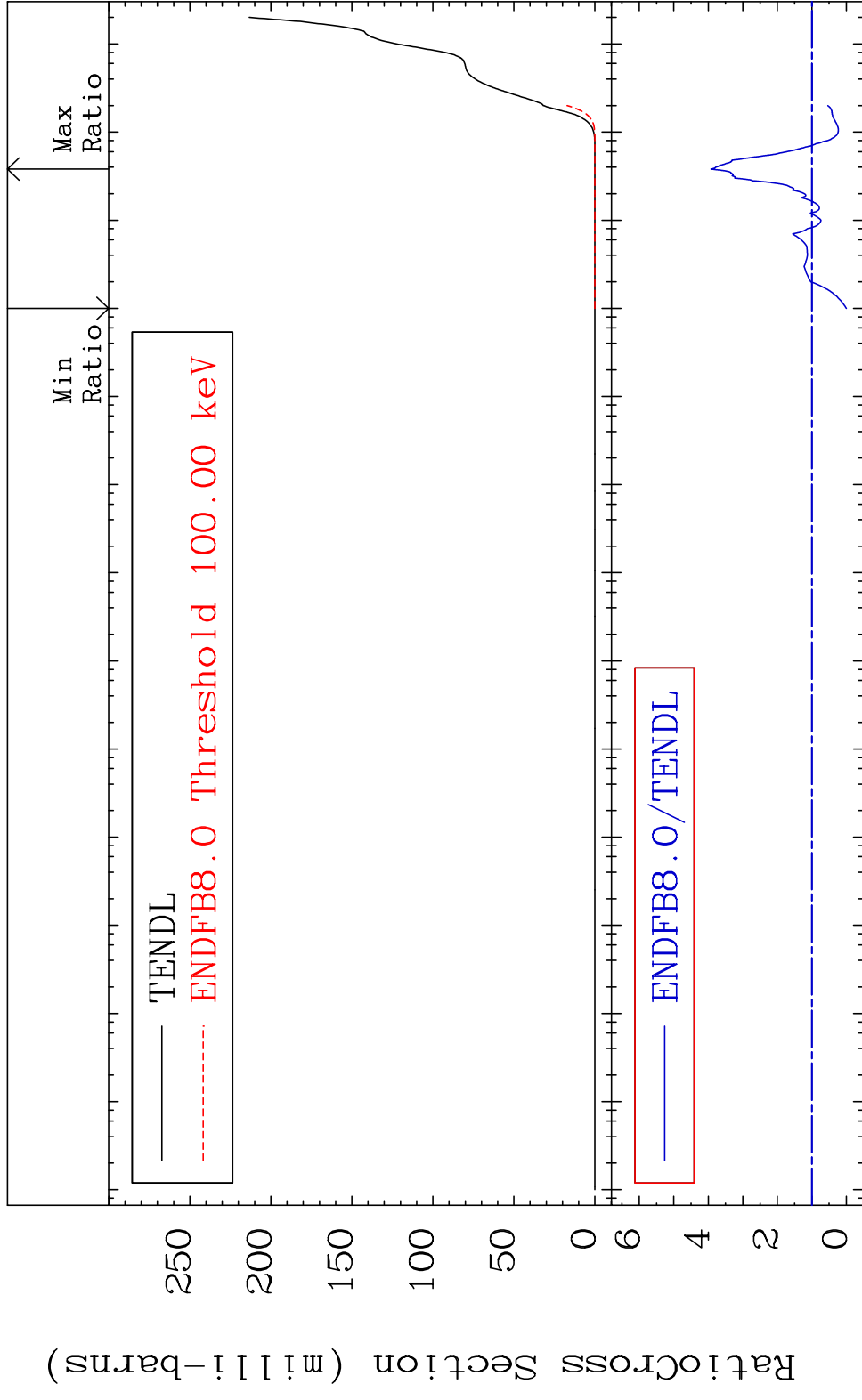


MAT 5040

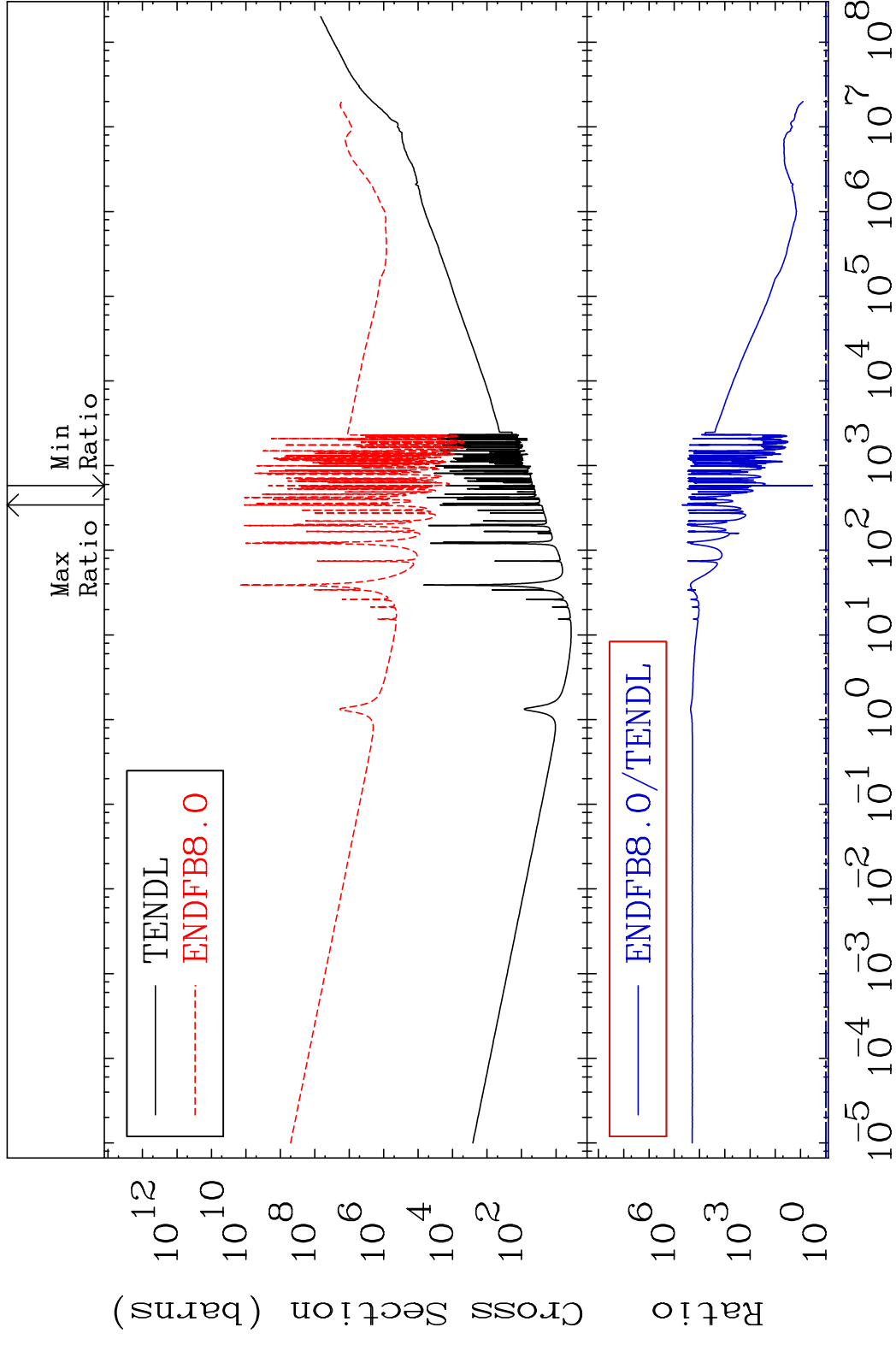
He-4 Production

50-Sn-117

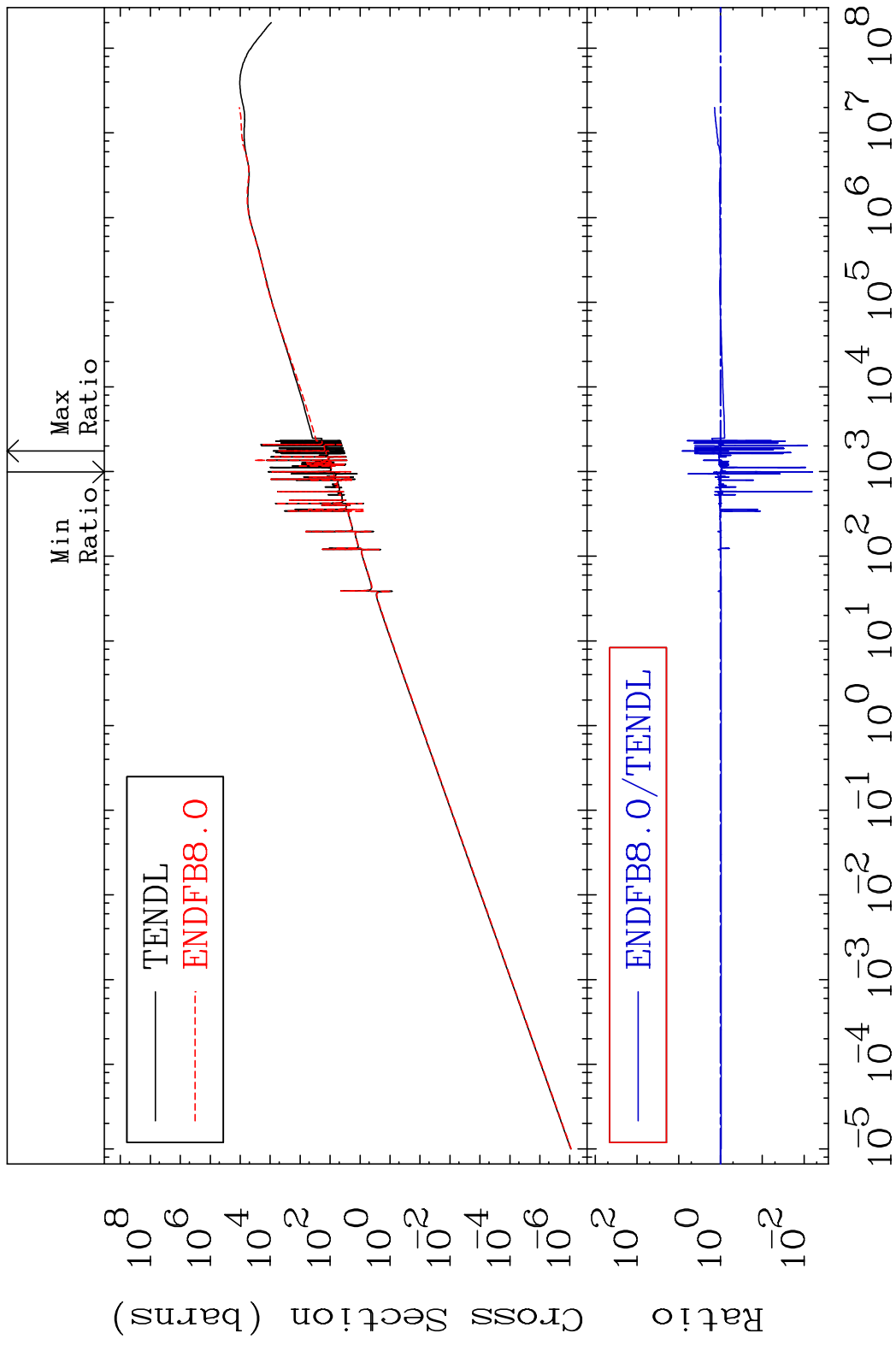
Cross Section -100.0 To 293.0 %



MAT 5040 Kerma total (eV-barns) 50-Sn-117  
 Cross Section 234.9 To 9999. %

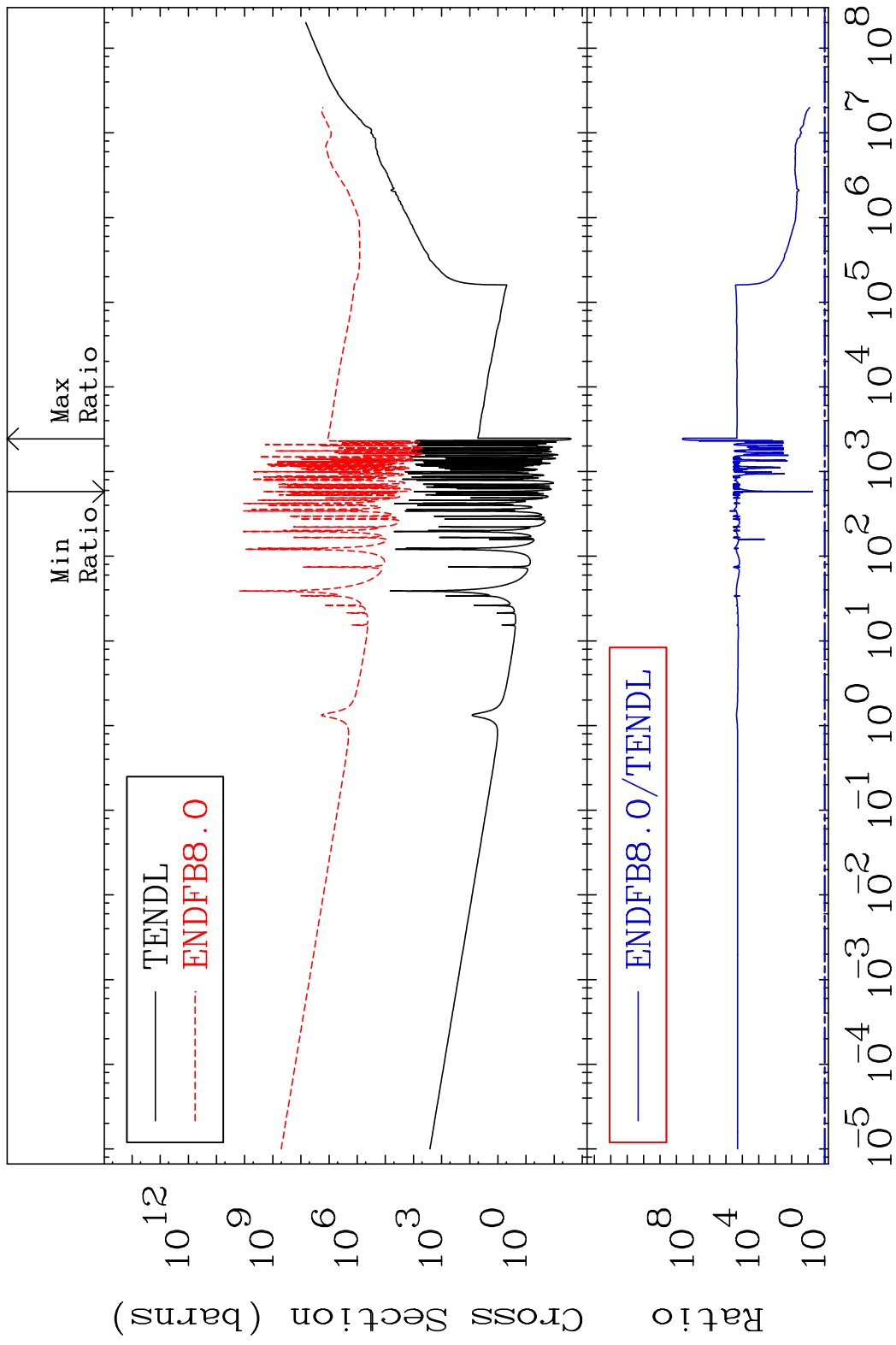


MAT 5040      Kerma elastic      50-Sn-117  
 Cross Section      -99.37 To 720.0 %

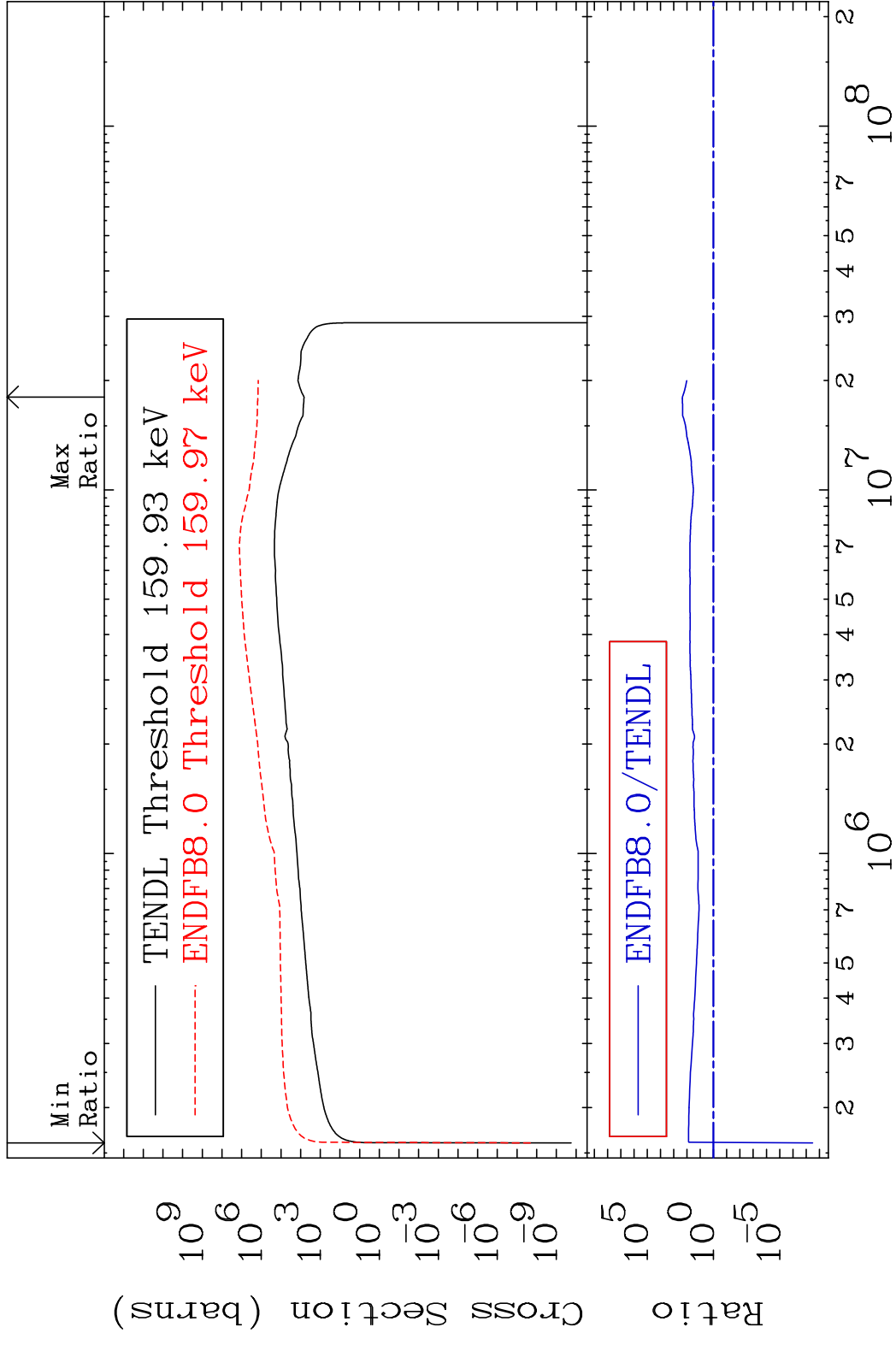


32      Incident Energy (eV)      50-Sn-117

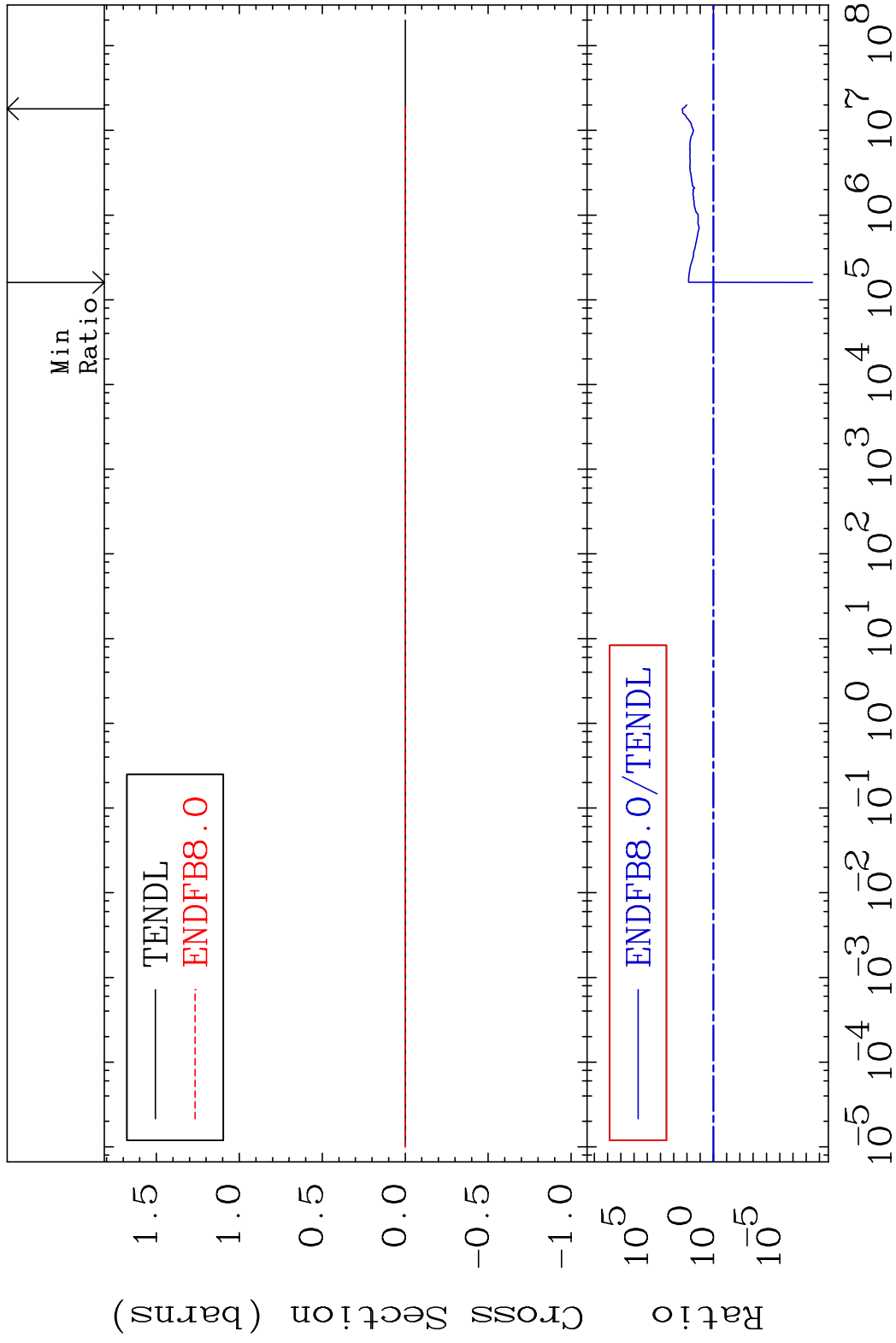
MAT 5040 Kerma non-elastic (all but mt2) 50-Sn-117  
 Cross Section 438.7 To 9999. %



MAT 5040 Kerma inelastic (mt51-91) 50-Sn-117  
 Cross Section -100.0 To 9999. %

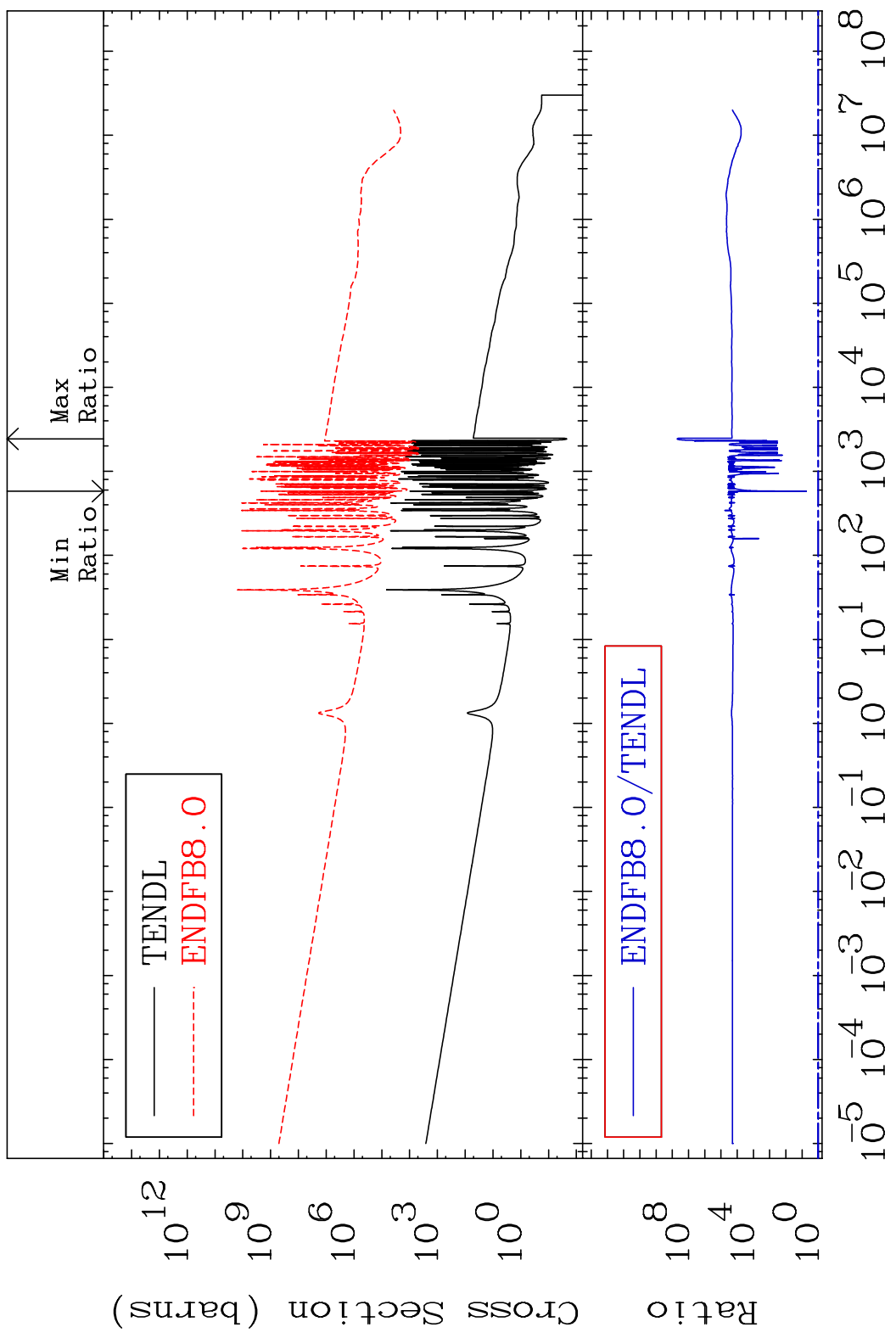


MAT 5040 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-117  
 Cross Section -100.0 To 9999. %

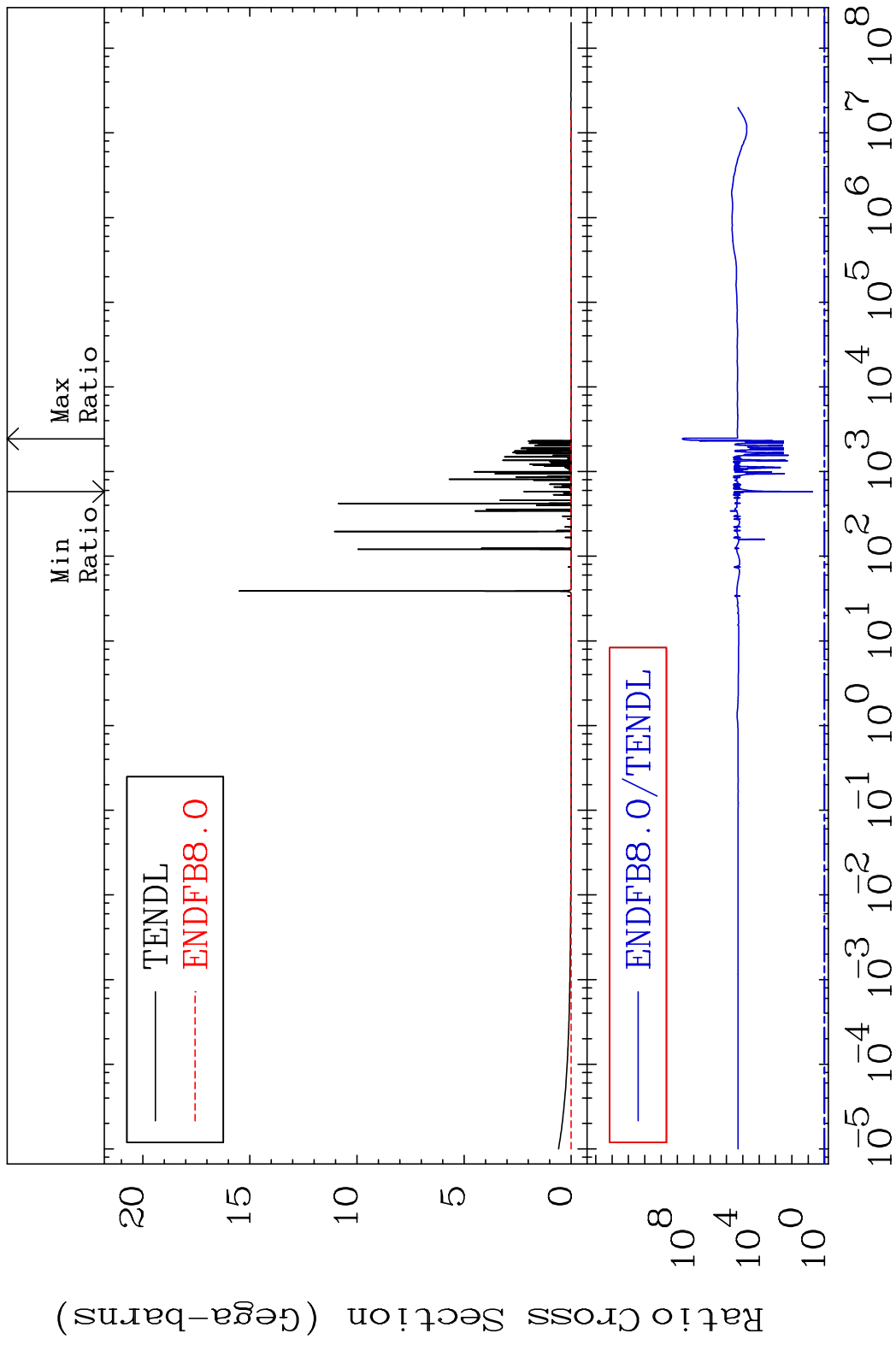


MAT 5040

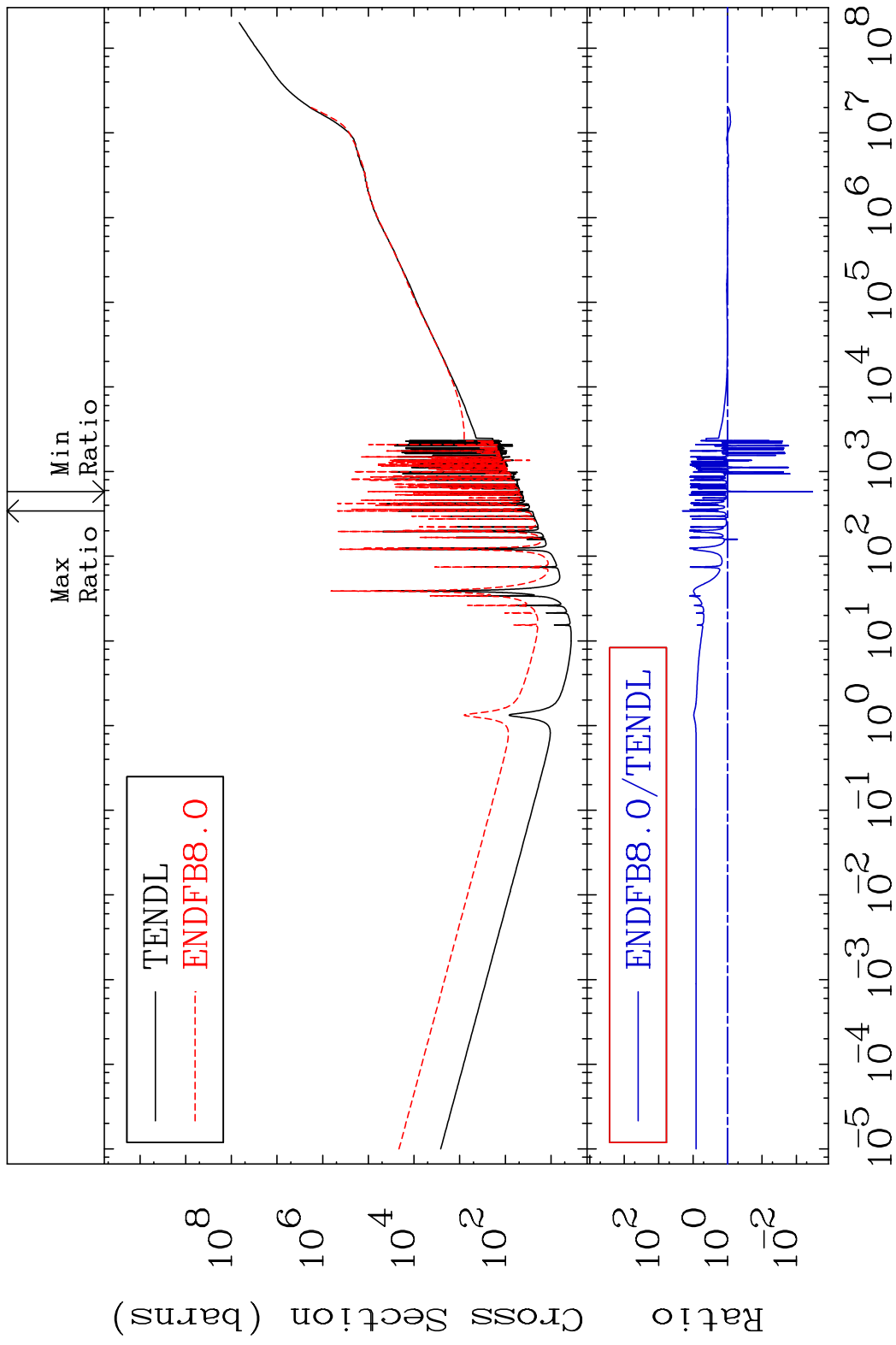
Kerma capture (mt102) 50-Sn-117  
Cross Section 438.7 To 9999. %



MAT 5040 Total photon (eV-barns) 50-Sn-117  
 Cross Section 438.7 To 9999. %



MAT 5040 Total kinematic kerma (high limit) 50-Sn-117  
 Cross Section -99.66 To 1961. %

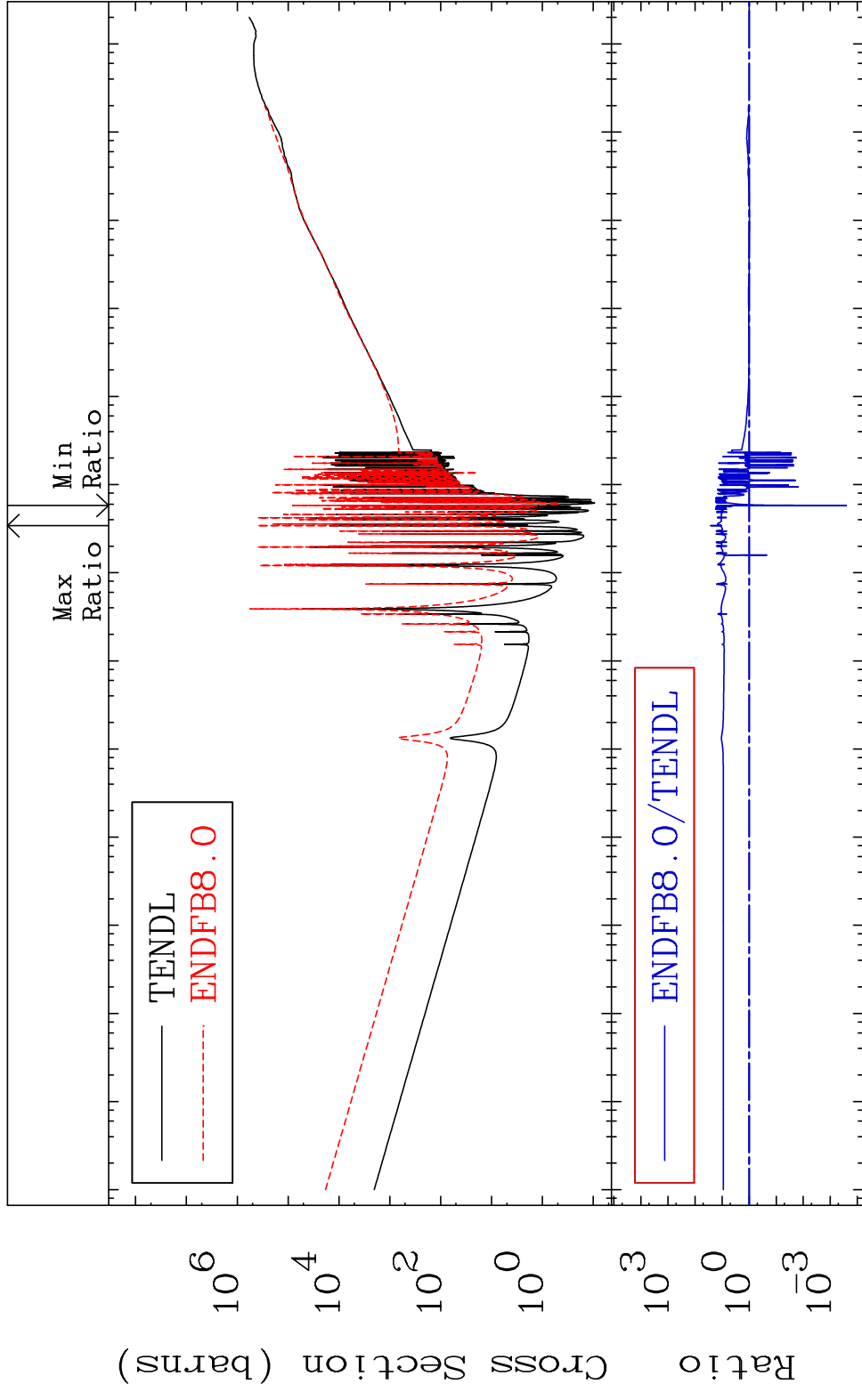


MAT 5040

Dpa total (eV-barns)

50-Sn-117

Cross Section -99.97 To 2537. %

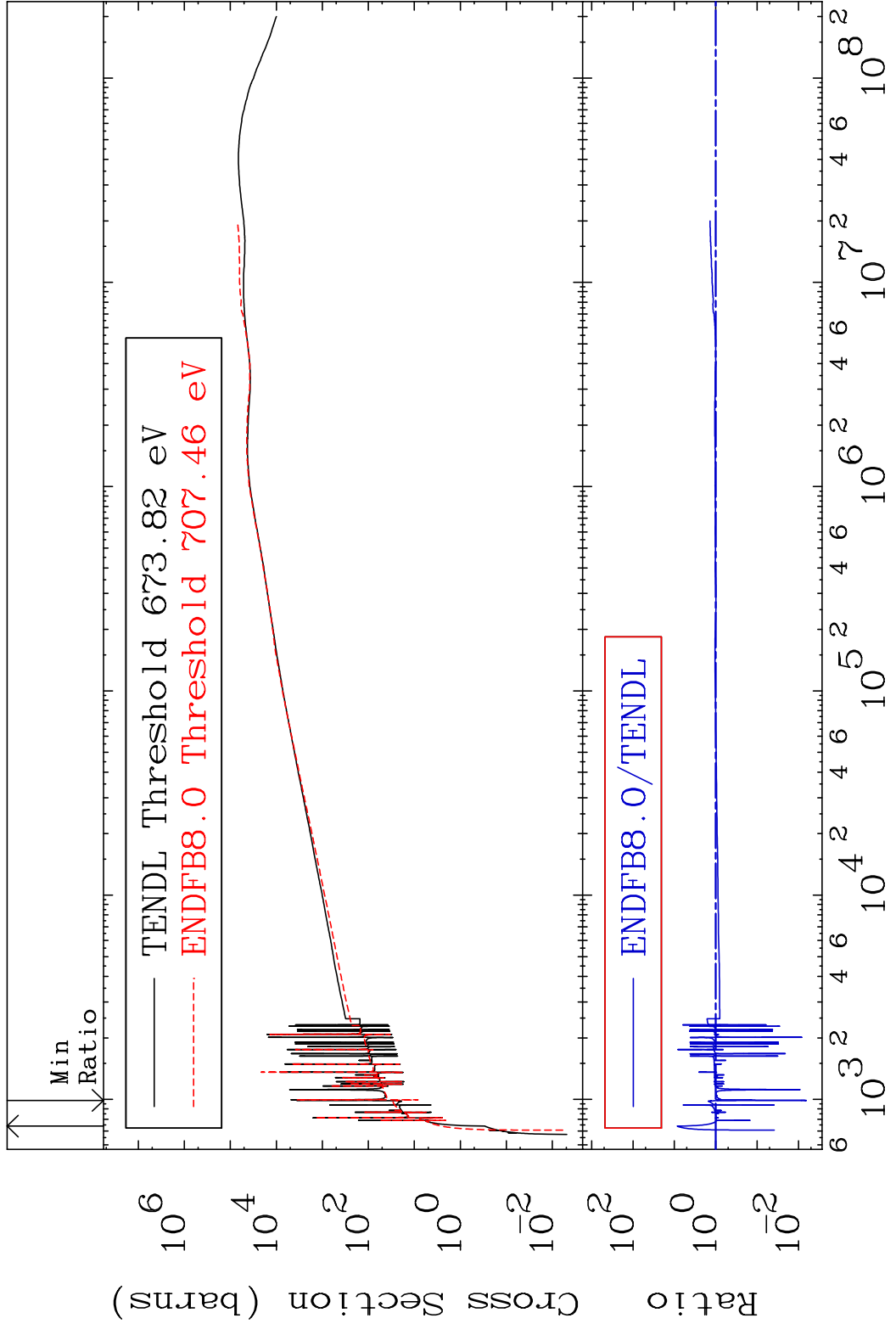


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Incident Energy (eV)

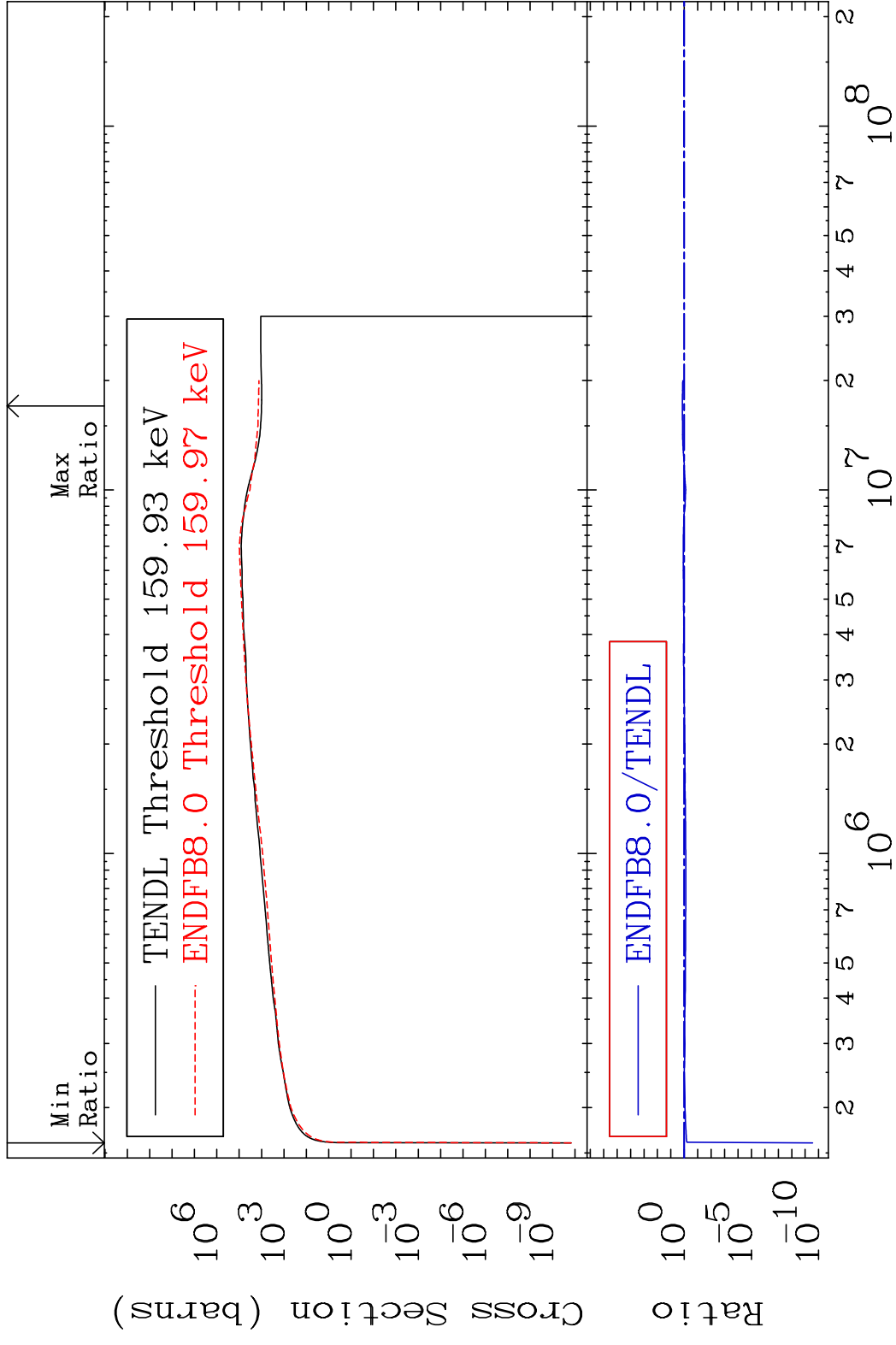
50-Sn-117

MAT 5040      Dpa elastic (mt2)      50-Sn-117  
 Cross Section      -99.36 To 754.0 %



40      Incident Energy (eV)      50-Sn-117

MAT 5040 Dpa inelastic (mt51-91) 50-Sn-117  
 Cross Section -100.0 To 38.98 %



MAT 5040 Dpa disappearance (mt102 -120) 50-Sn-117  
 Cross Section -99.97 To 9999. %

