

Program Complot  
(Version 2021-1)

by

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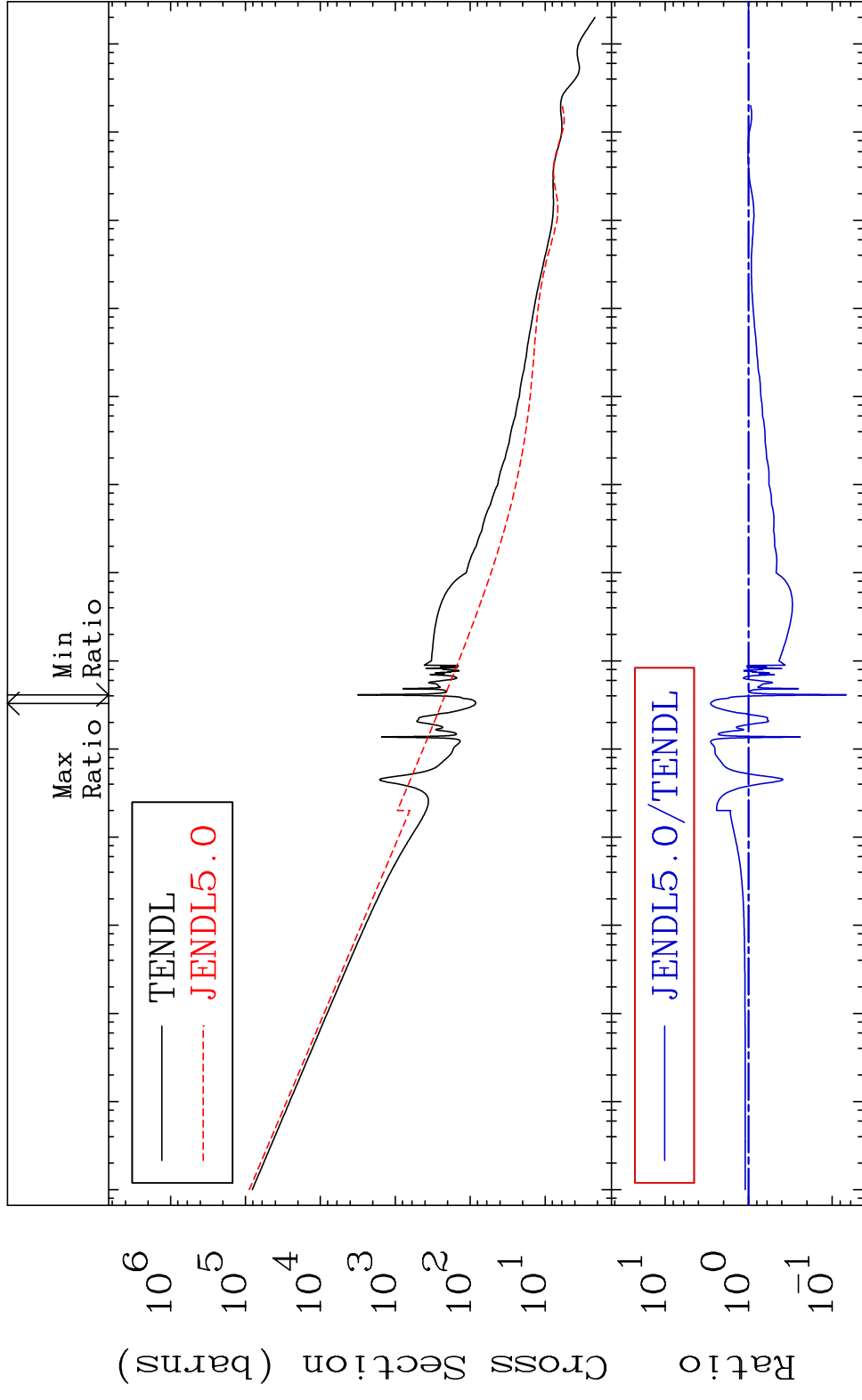
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 9540

Total  
Cross Section -93.23 To 184.2 %

95-Am-240

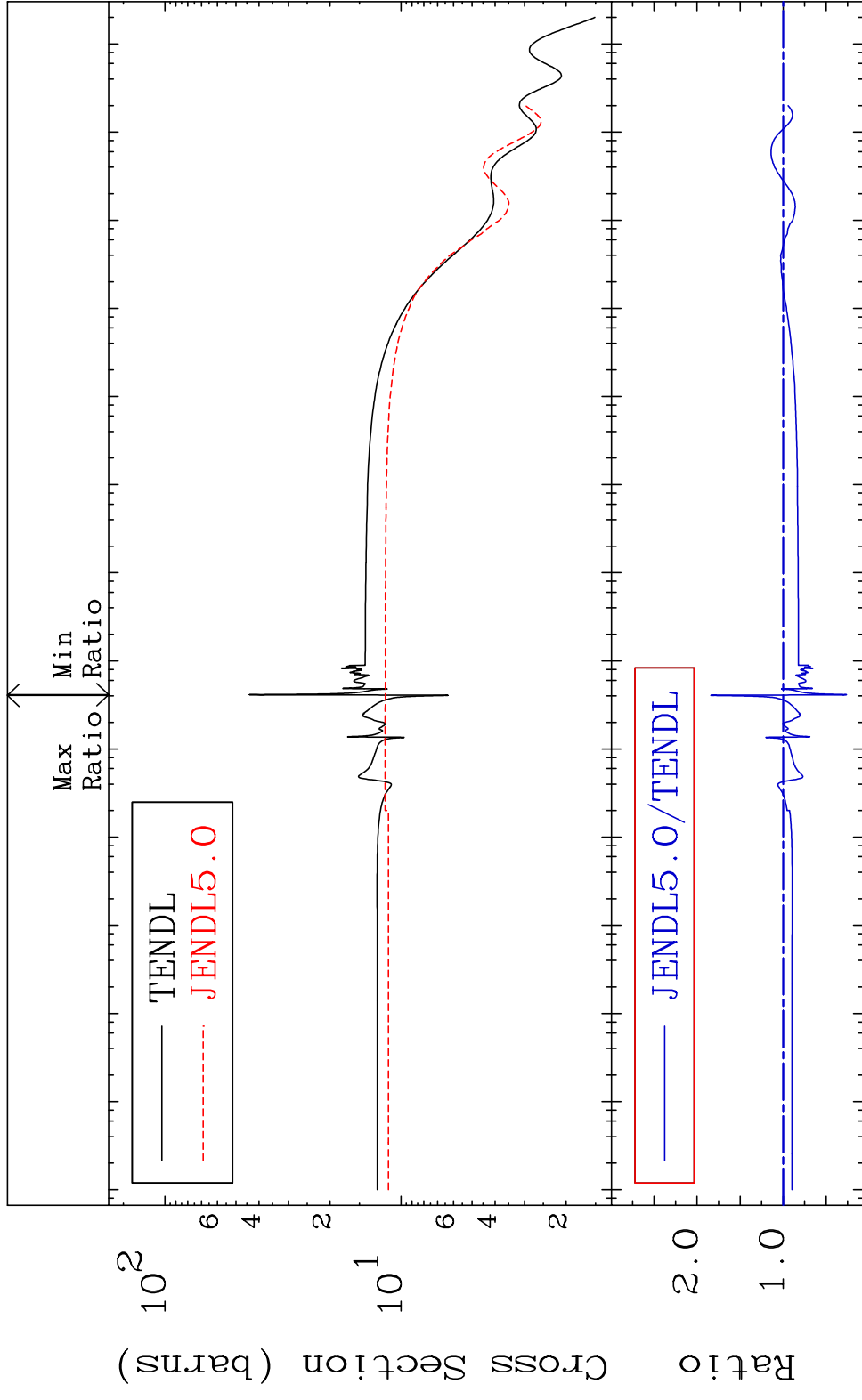


1 Incident Energy (eV) 95-Am-240

MAT 9540

Elastic Cross Section -73.45 To 84.13 %

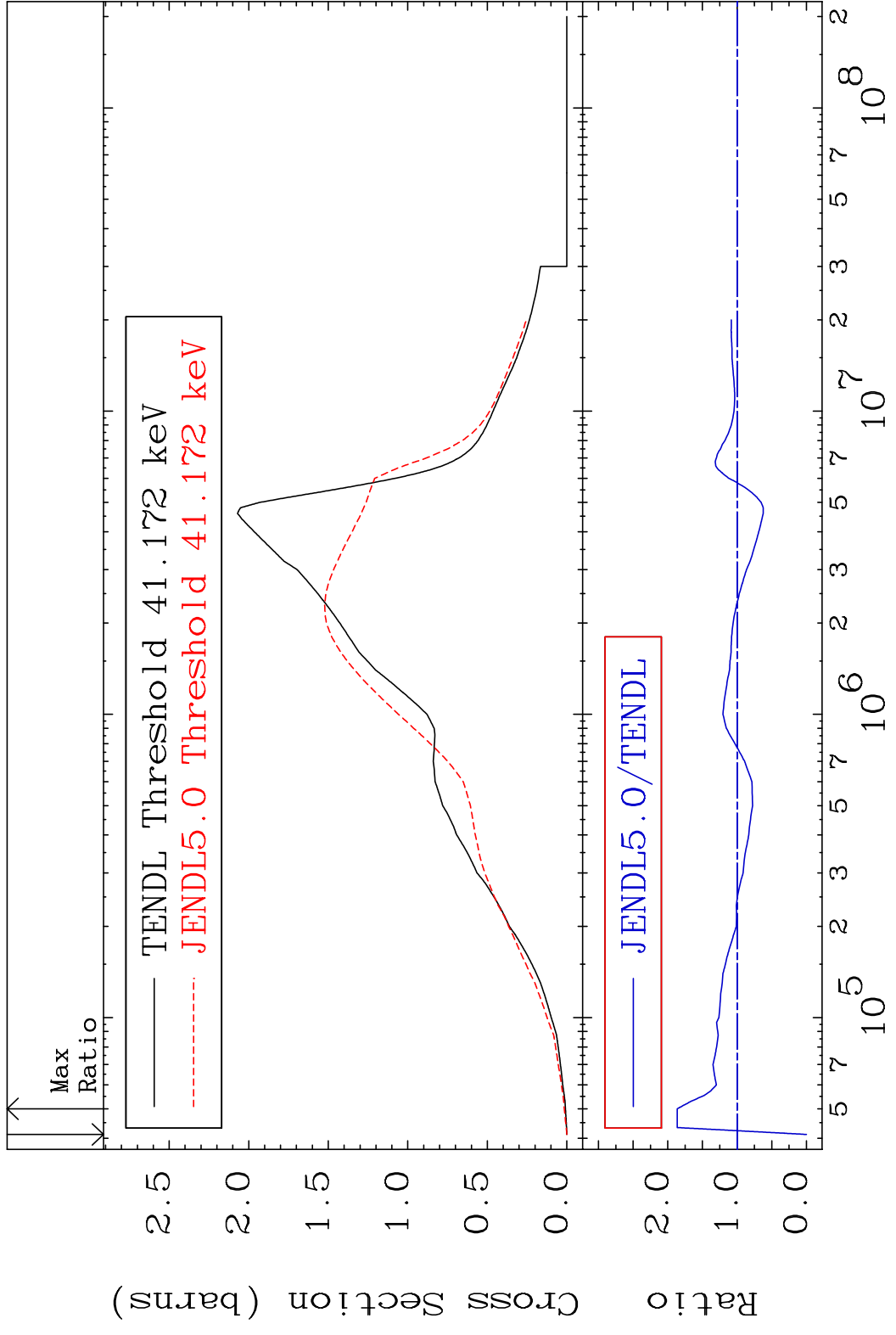
95-Am-240



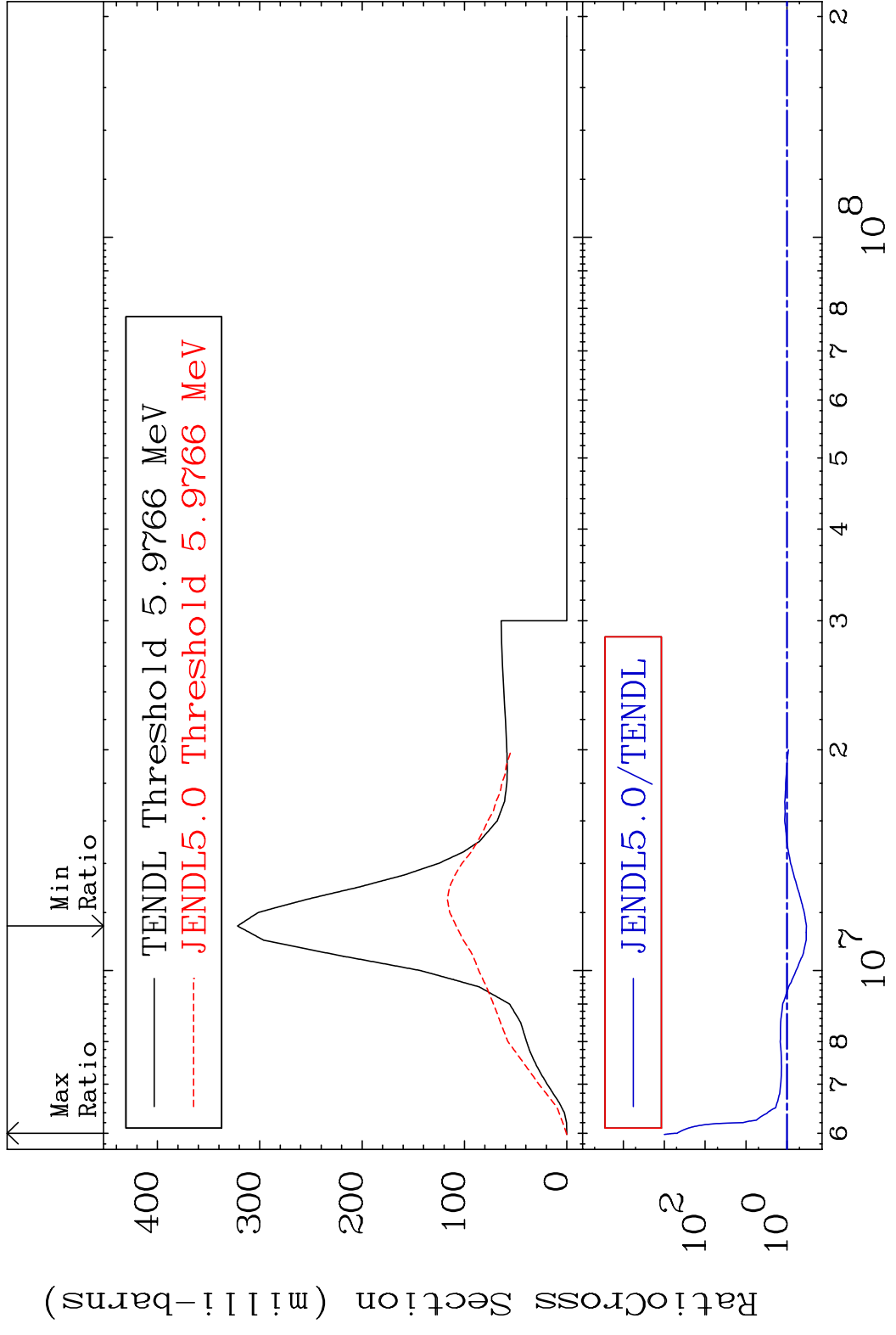
Incident Energy (eV) 10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2 95-Am-240

MAT 9540 Inelastic 95-Am-240  
 Cross Section -100.0 To 86.44 %



MAT 9540 (n,2n) 95-Am-240  
 Cross Section -66.38 To 9999. %

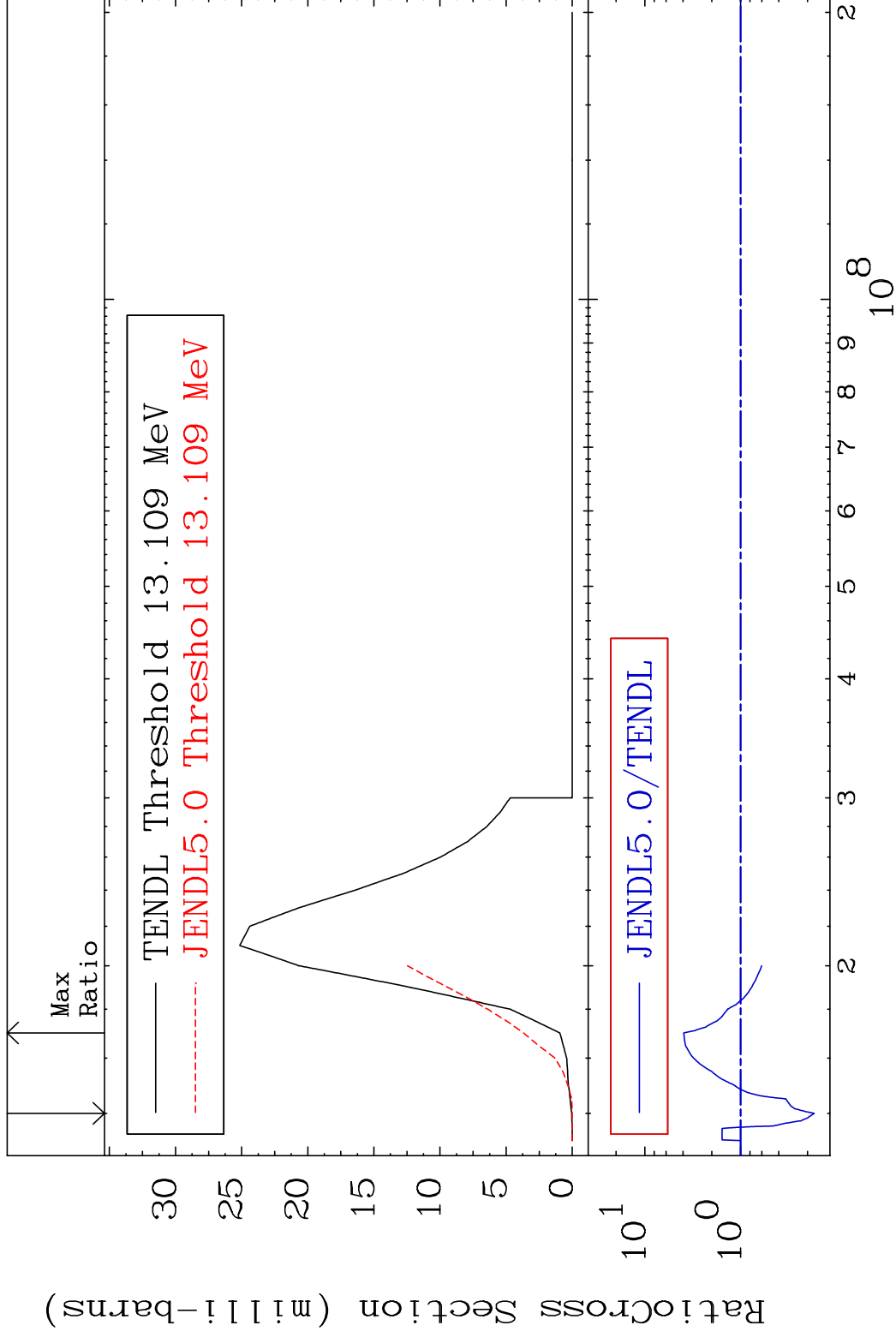


MAT 9540

(n,3n)

95-Am-240

Cross Section -82.94 To 293.1 %



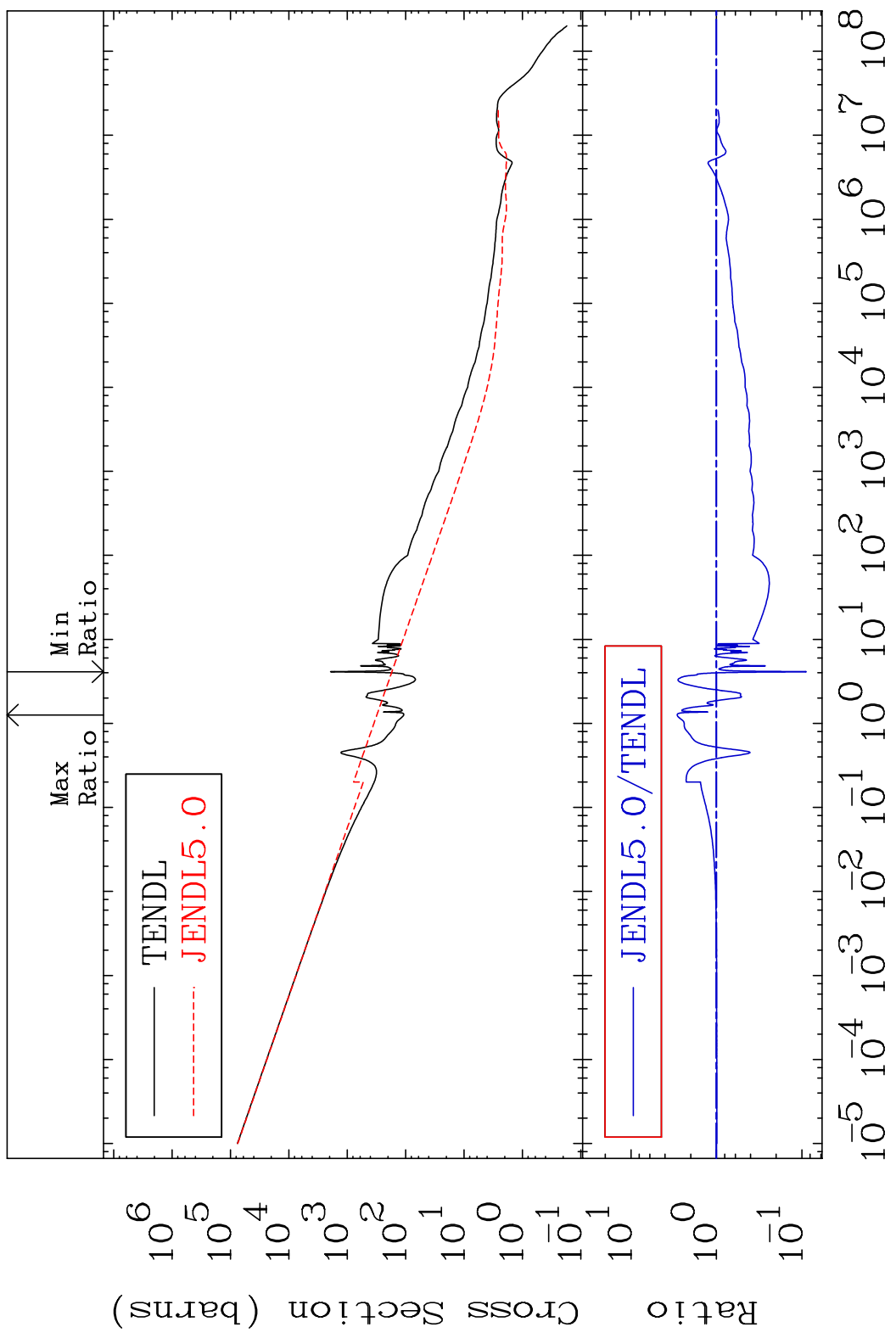
5

Incident Energy (eV)

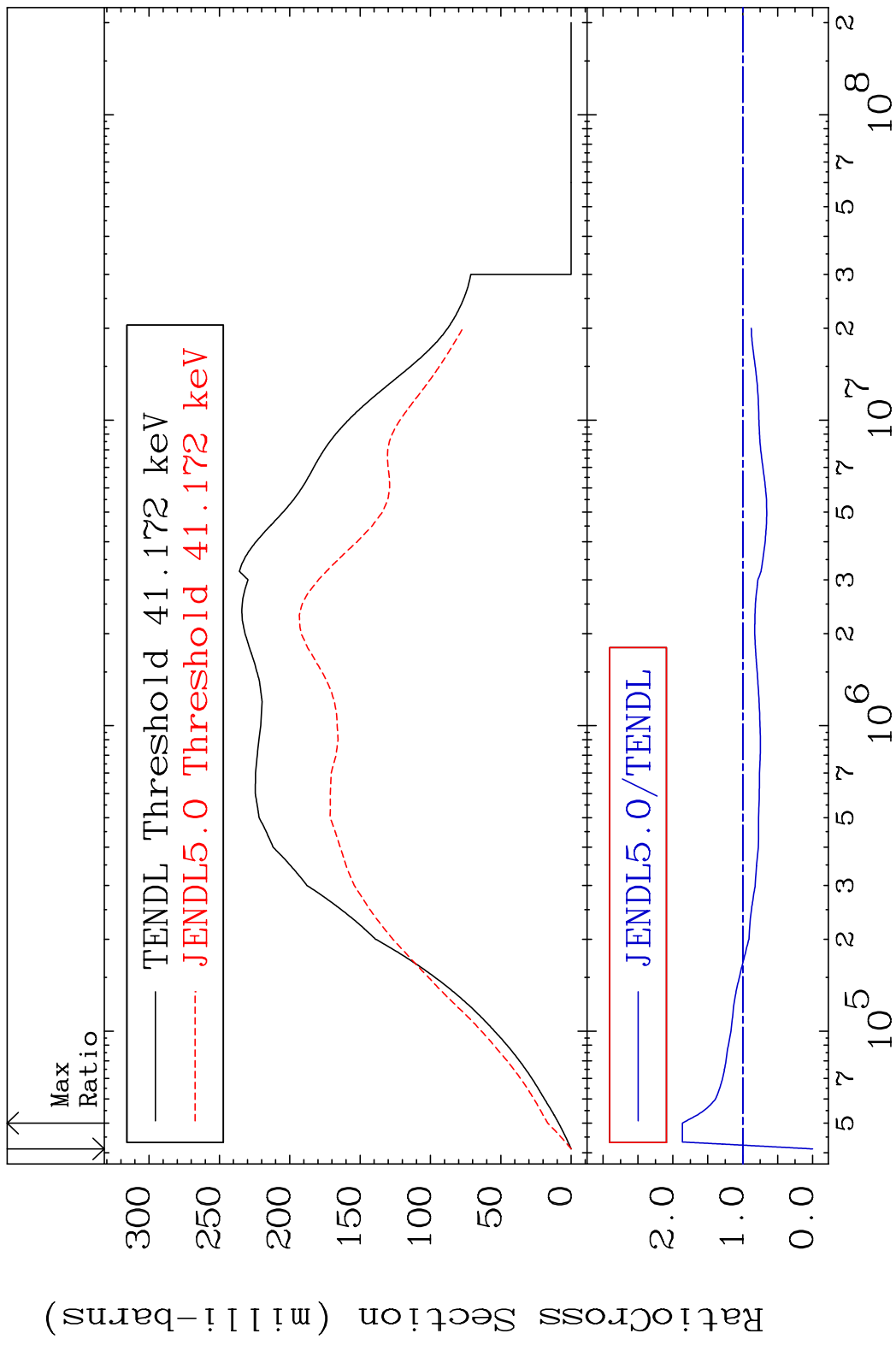
95-Am-240

MAT 9540

Fission Cross Section -91.15 To 188.0 %



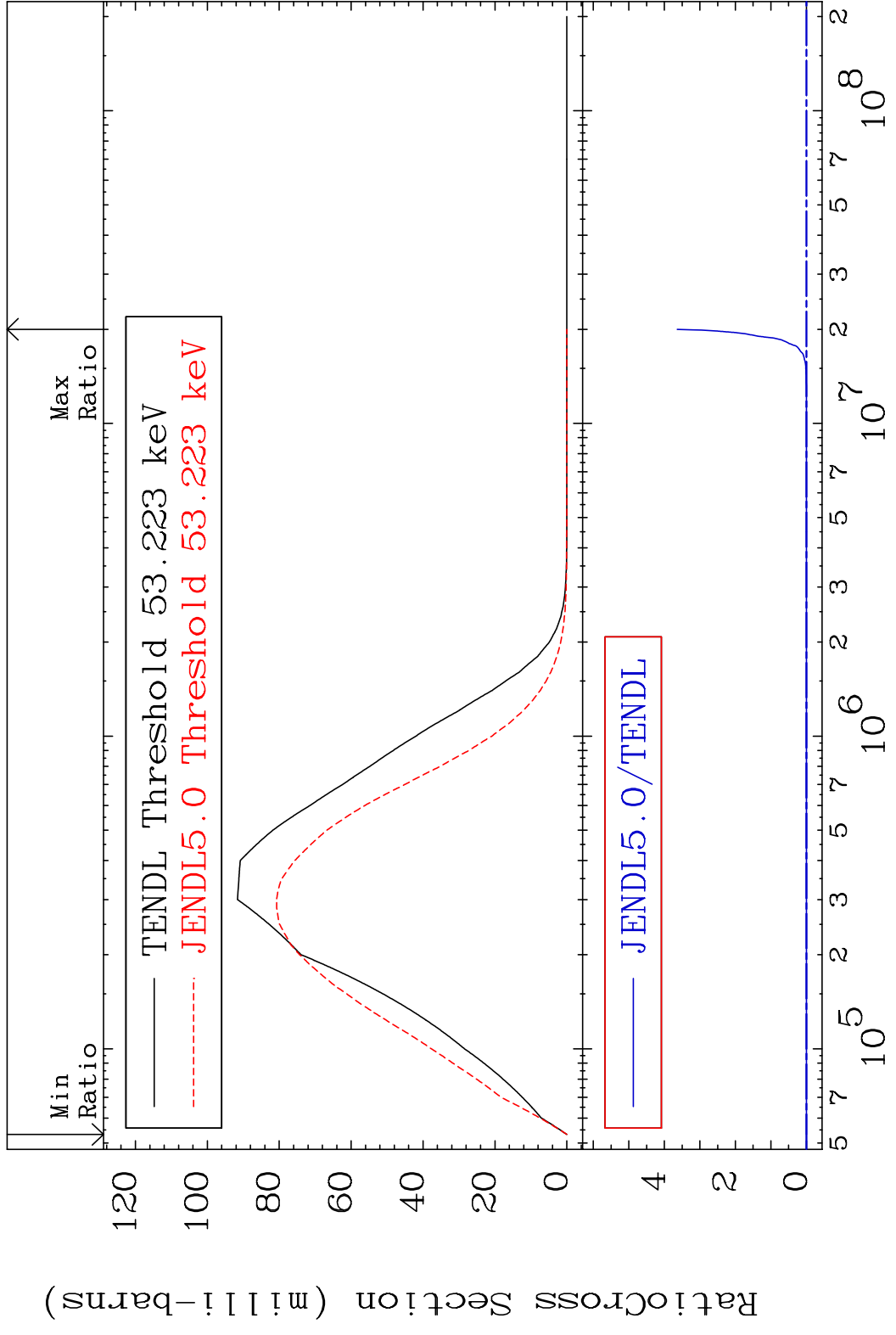
MAT 9540 MT= 51 (n,n') Level 95-Am-240  
 Cross Section -100.0 To 86.44 %



7 95-Am-240

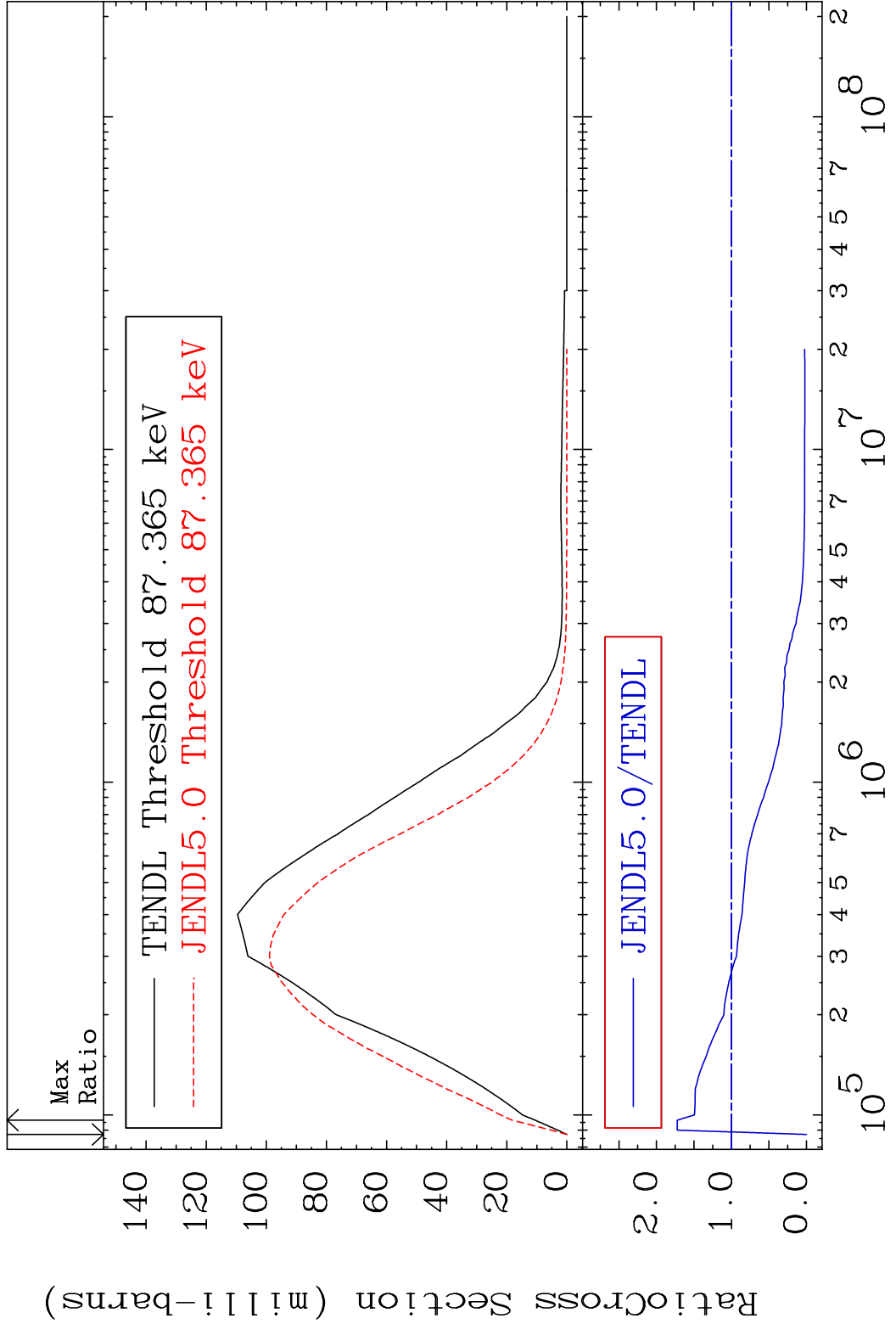


MAT 9540 MT= 52 (n, n') Level 95-Am-240  
 Cross Section -100.0 To 9999. %



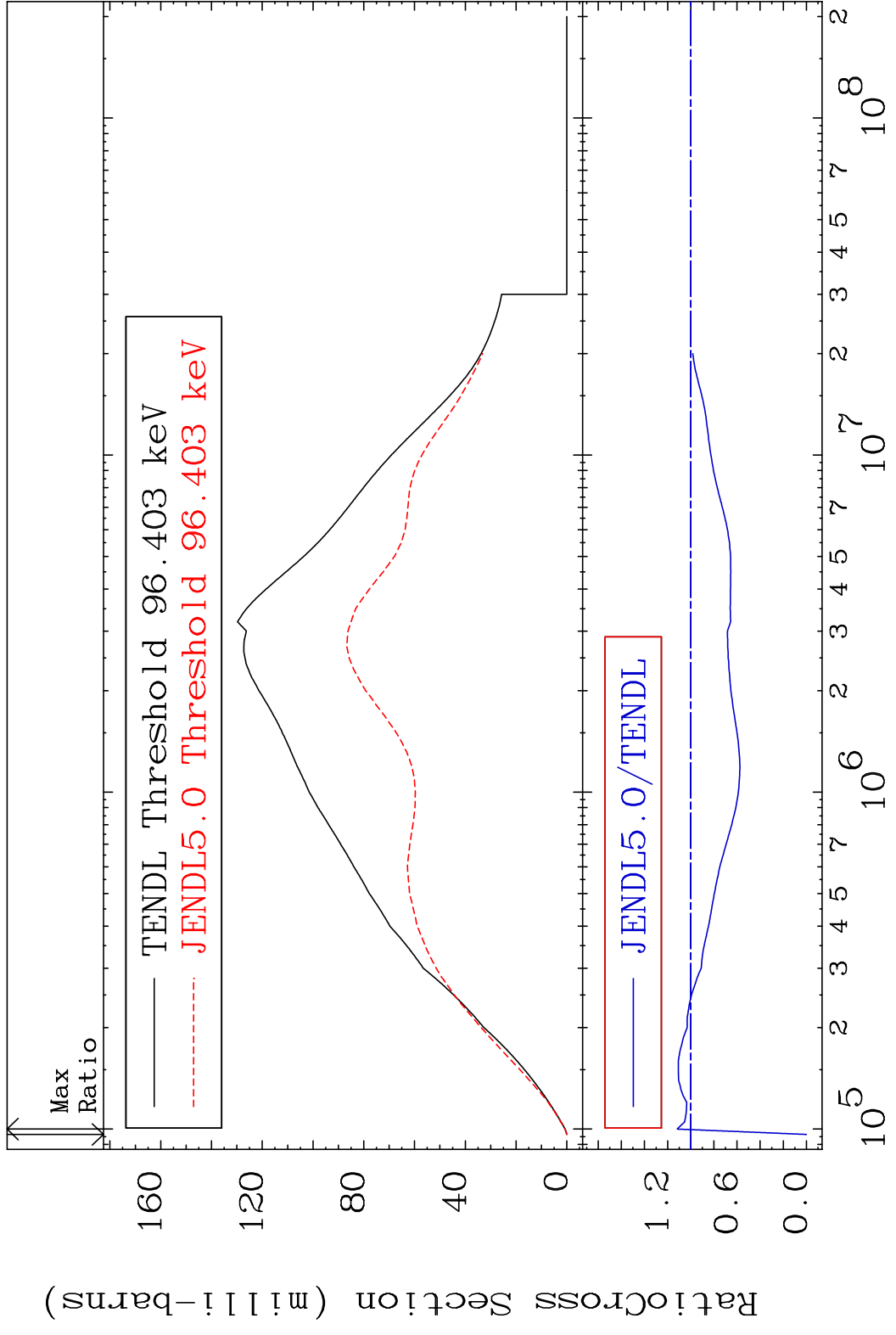
8 Incident Energy (eV) 95-Am-240

MAT 9540 MT= 53 (n, n') Level 95-Am-240  
 Cross Section -100.0 To 72.36 %



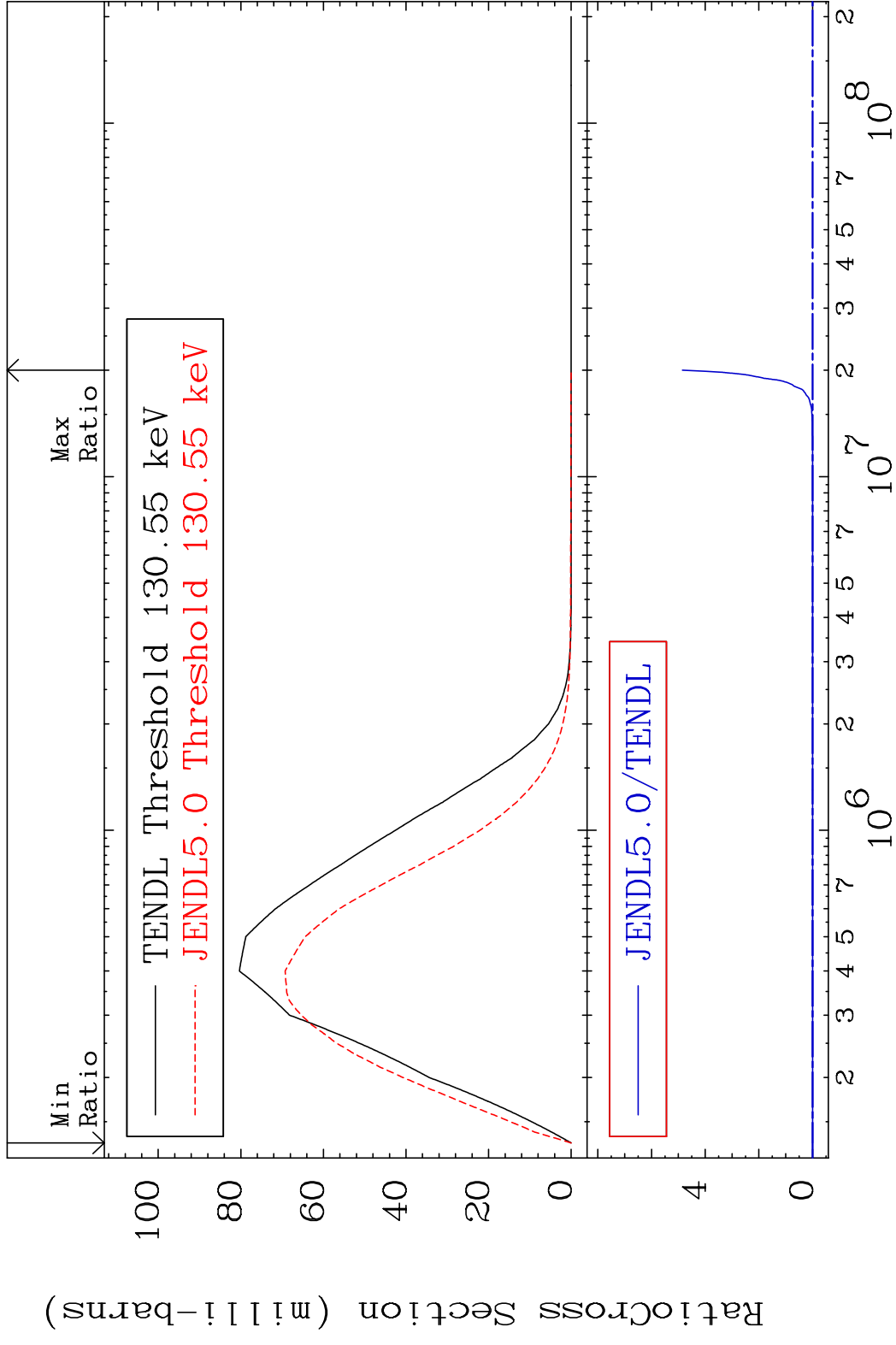
9 Incident Energy (eV) 95-Am-240

MAT 9540 MT= 54 (n,n') Level 95-Am-240  
 Cross Section -100.0 To 11.74 %

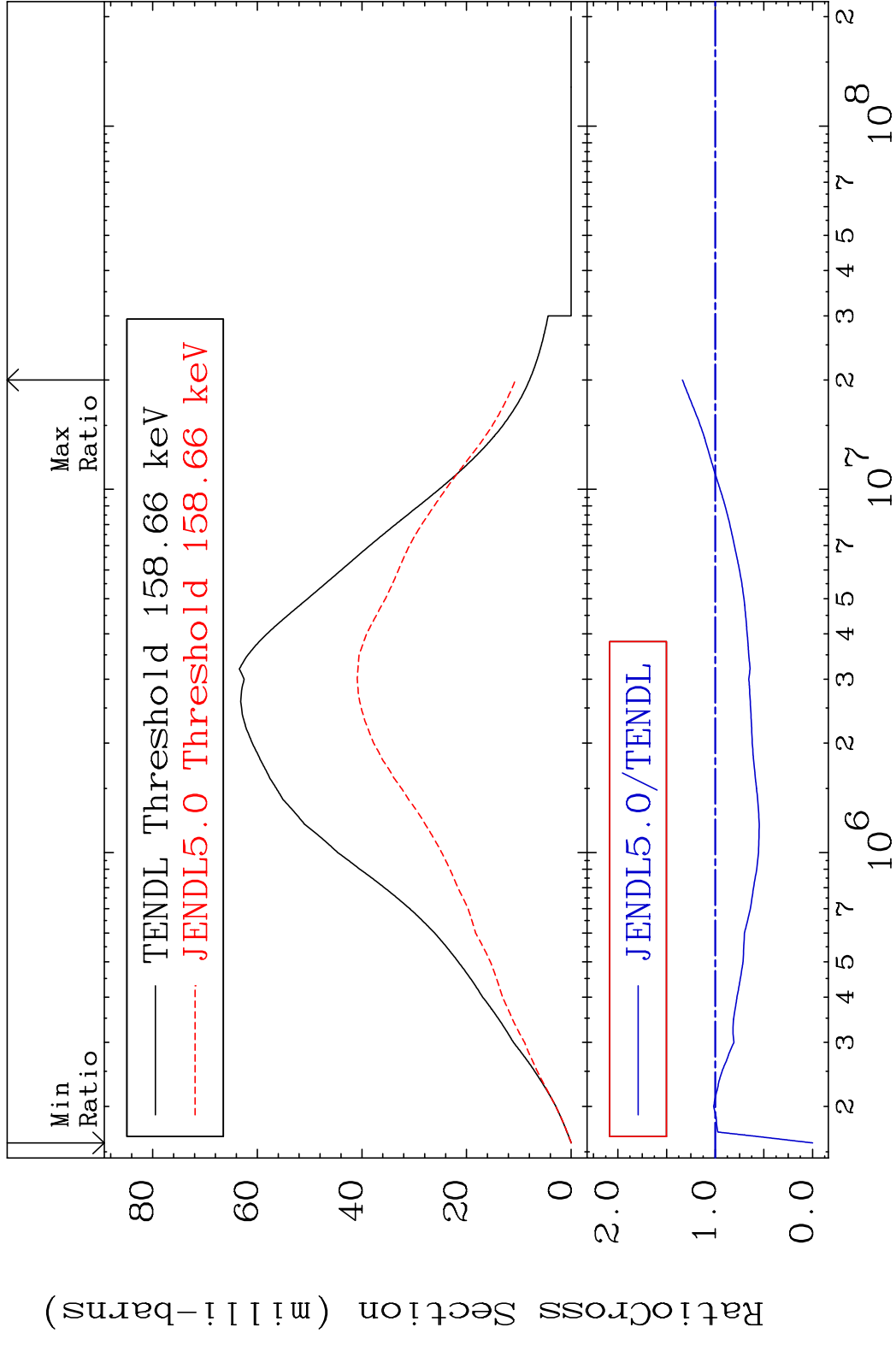


10 Incident Energy (eV) 95-Am-240

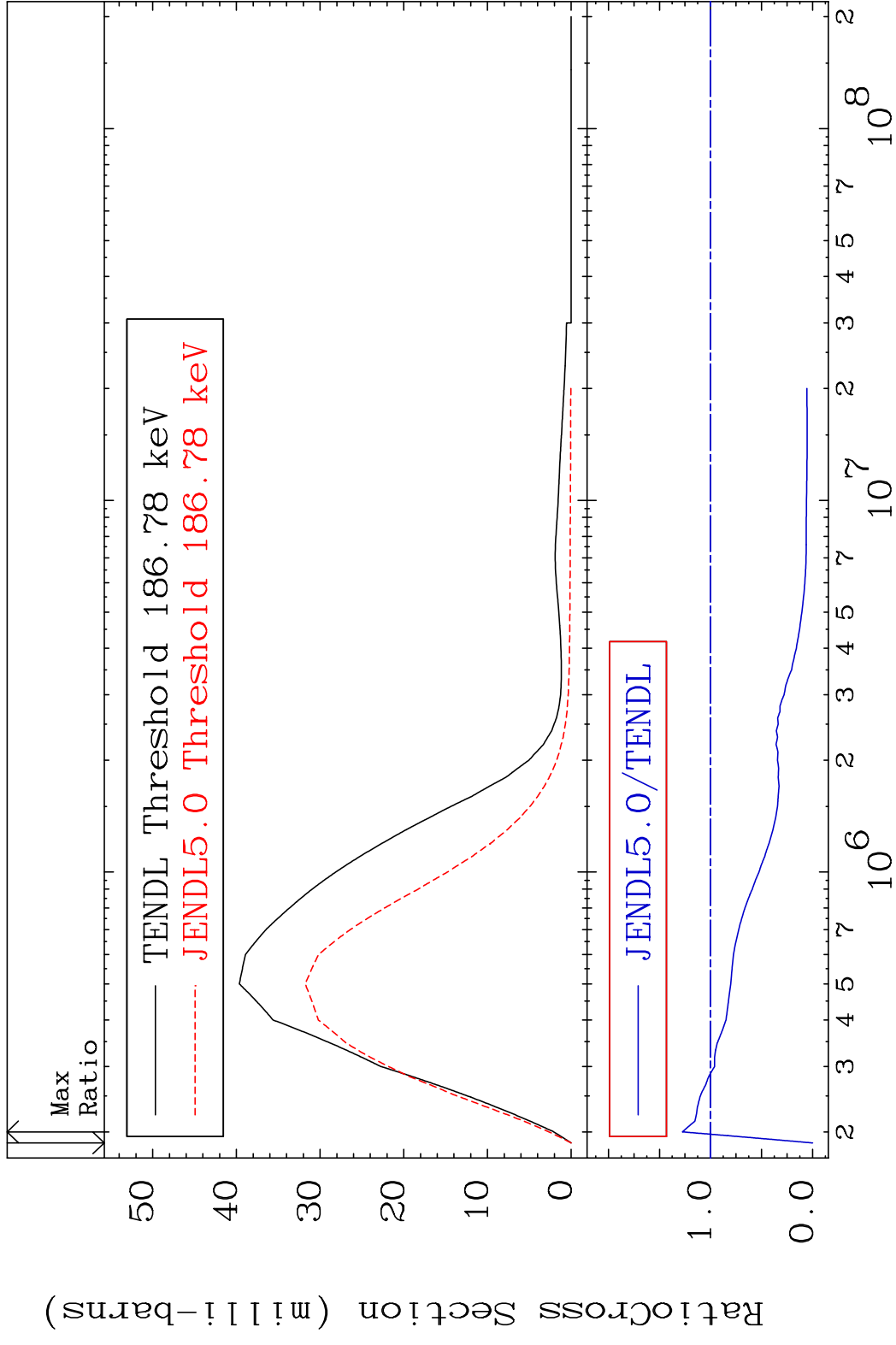
MAT 9540 MT= 55 (n,n') Level 95-Am-240  
 Cross Section -100.0 To 9999. %



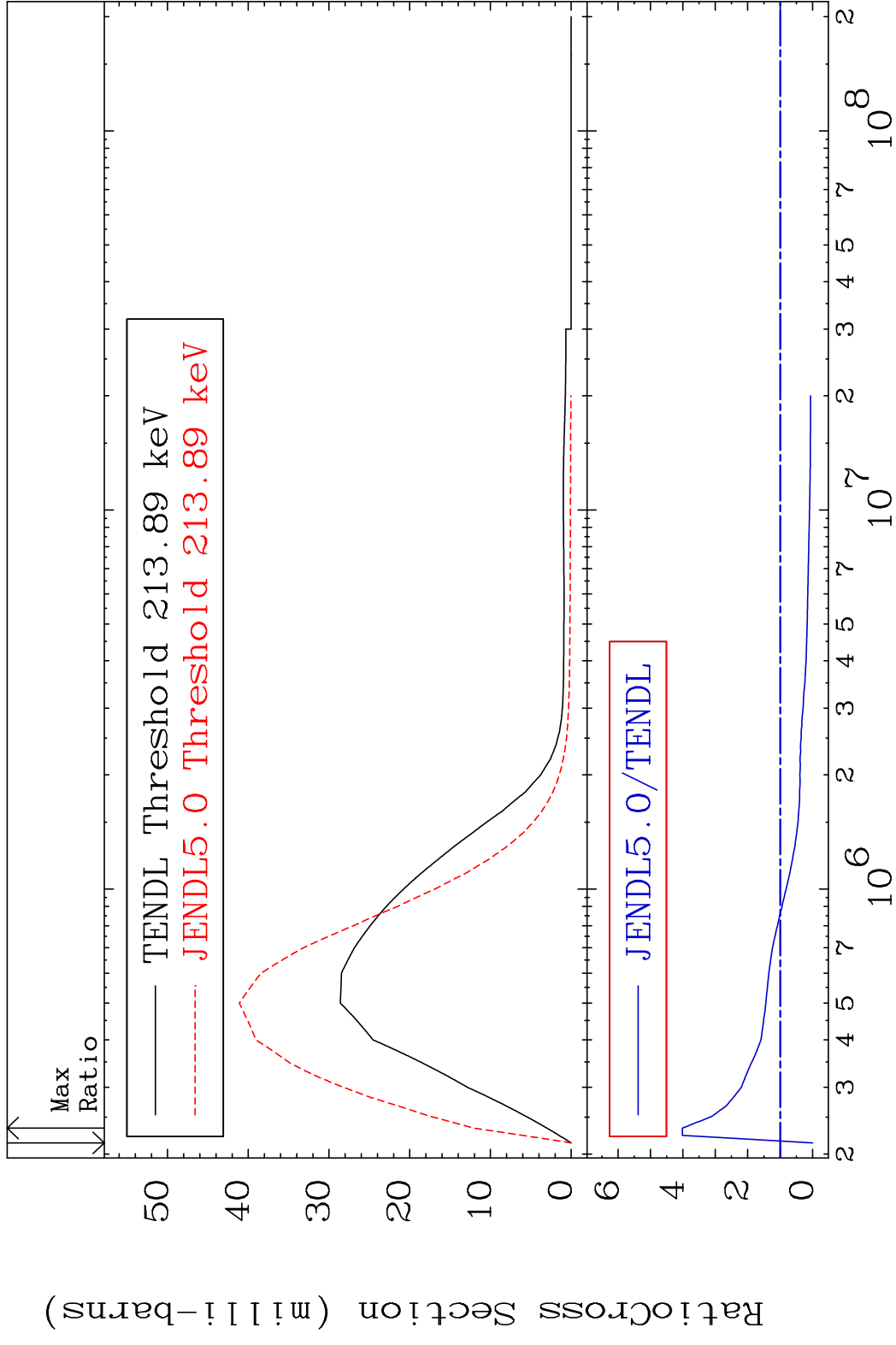
MAT 9540 MT= 56 (n, n') Level 95-Am-240  
 Cross Section -100.0 To 33.76 %



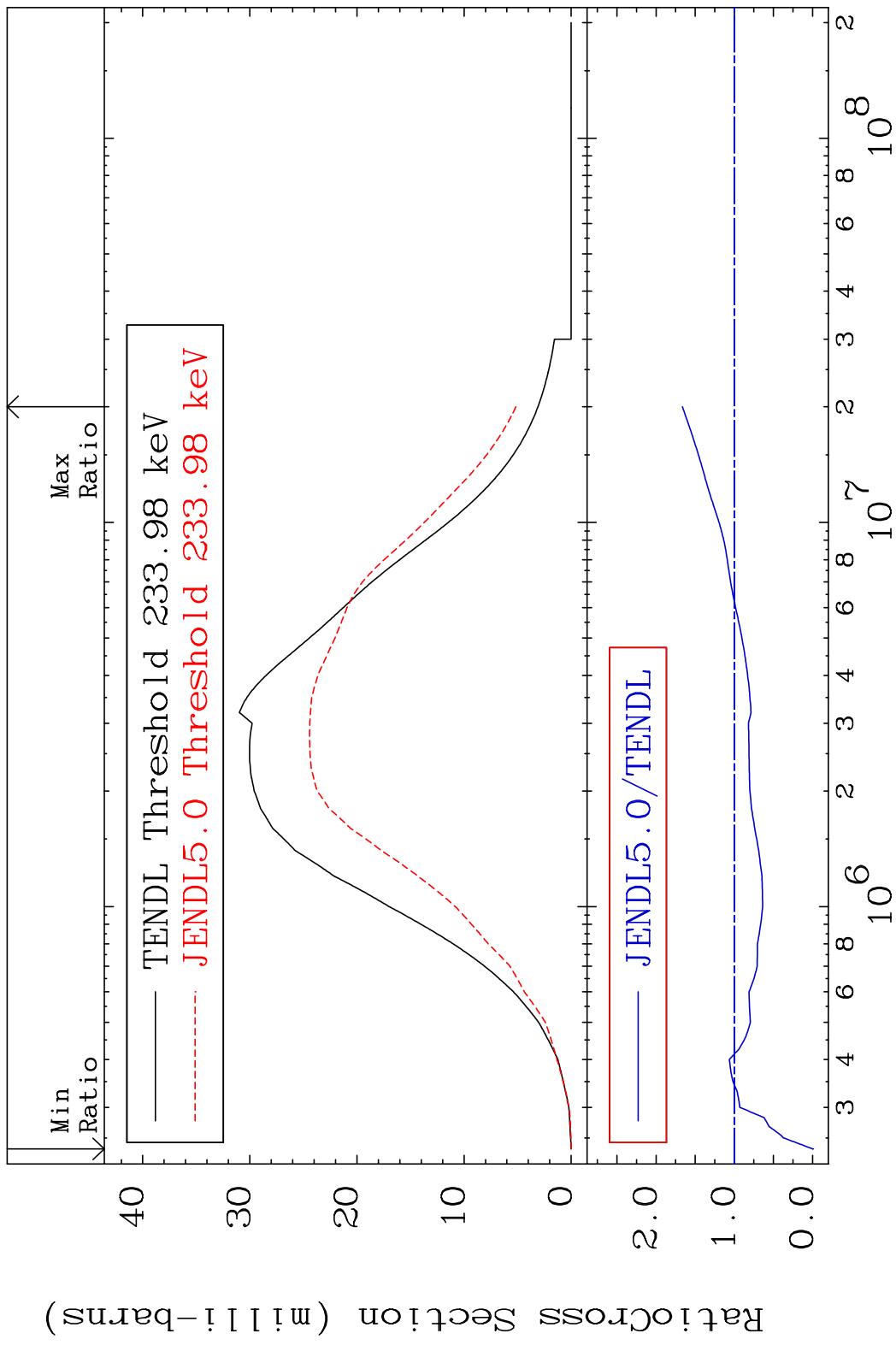
MAT 9540 MT= 57 (n,n') Level 95-Am-240  
 Cross Section -100.0 To 27.58 %



MAT 9540 MT= 58 (n, n') Level 95-Am-240  
 Cross Section -100.0 To 301.6 %

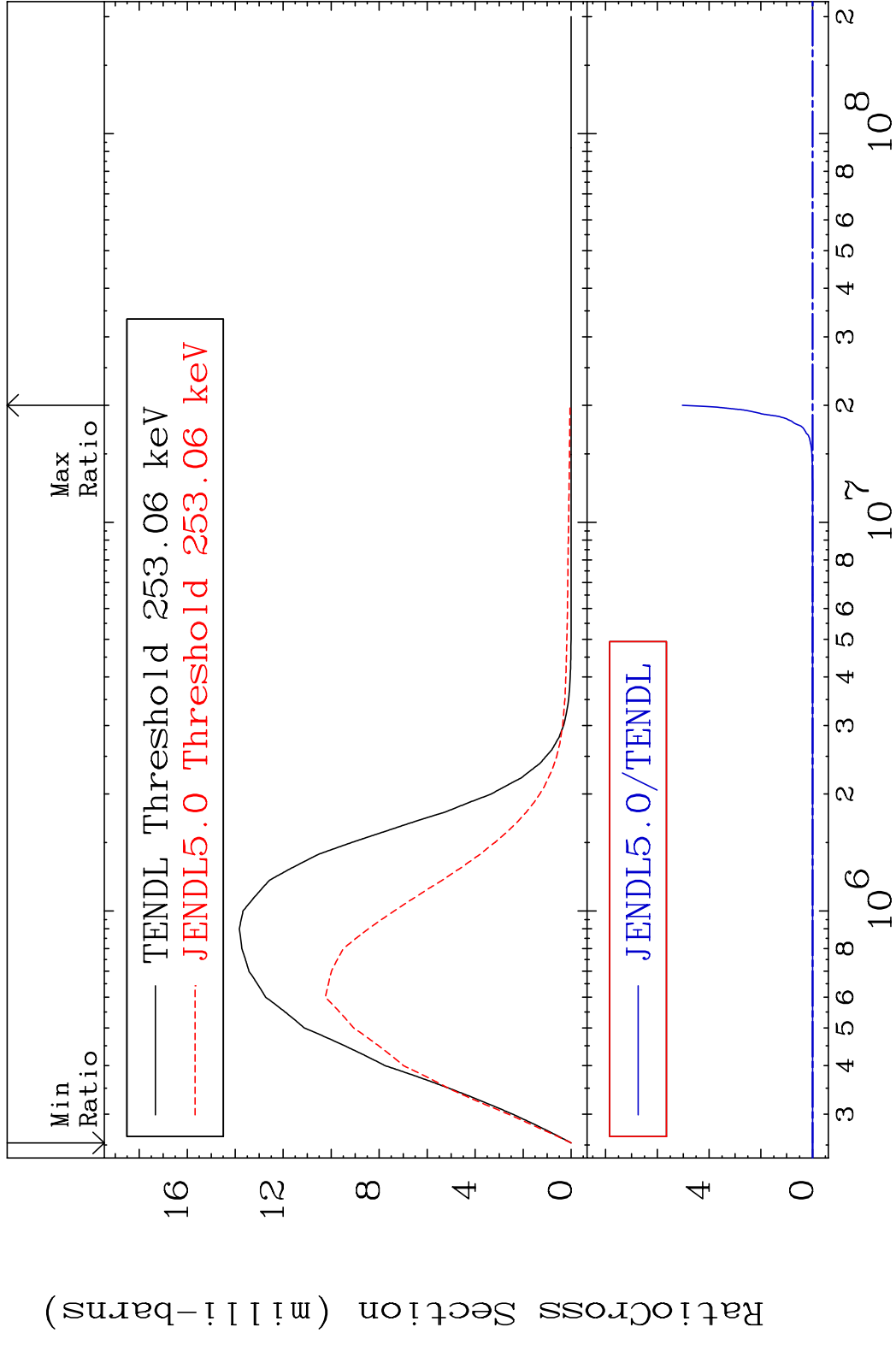


MAT 9540 MT= 59 (n, n') Level 95-Am-240  
 Cross Section -100.0 To 66.40 %



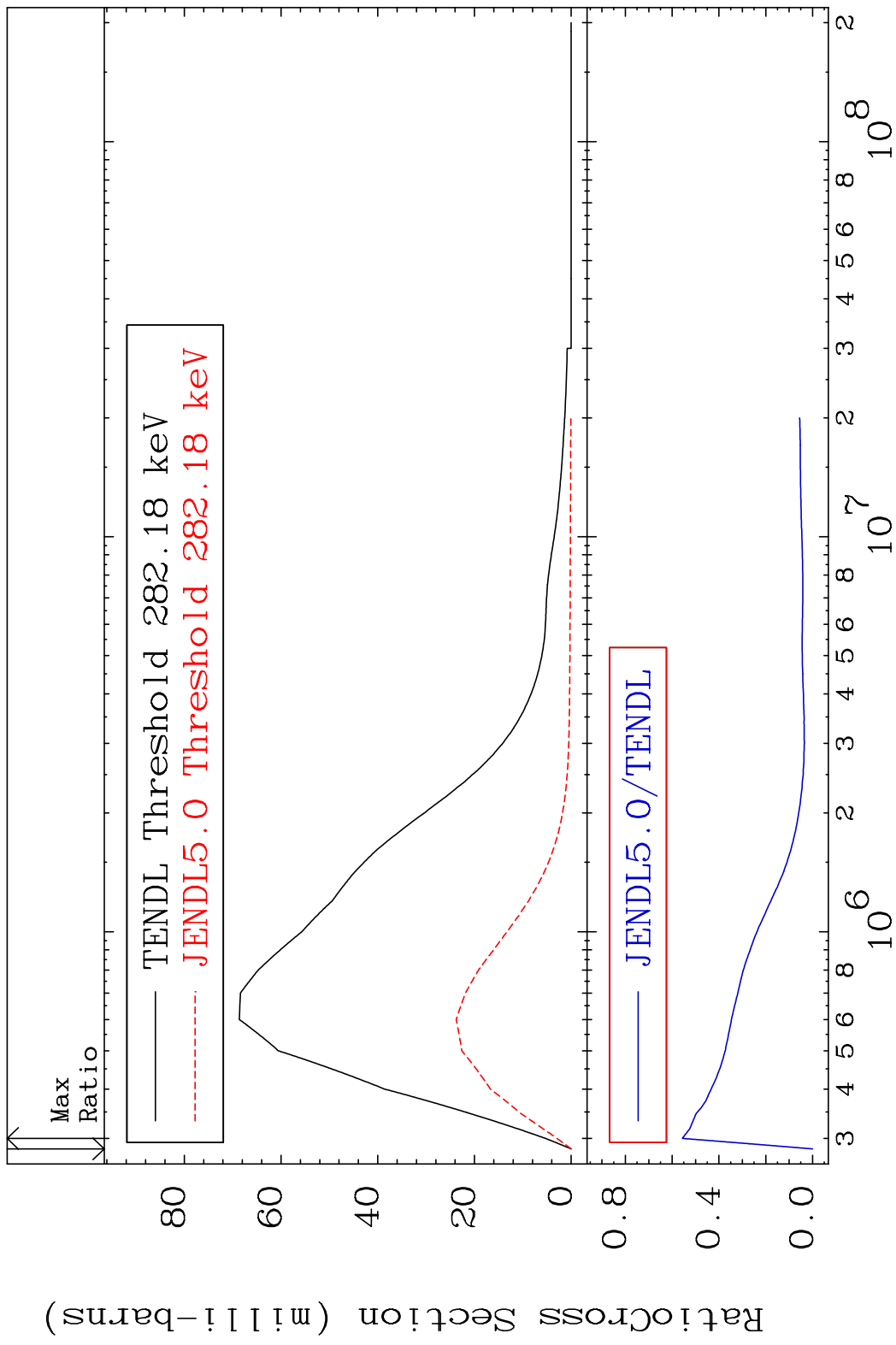


MAT 9540 MT= 60 (n,n') Level 95-Am-240  
 Cross Section -100.0 To 9999. %

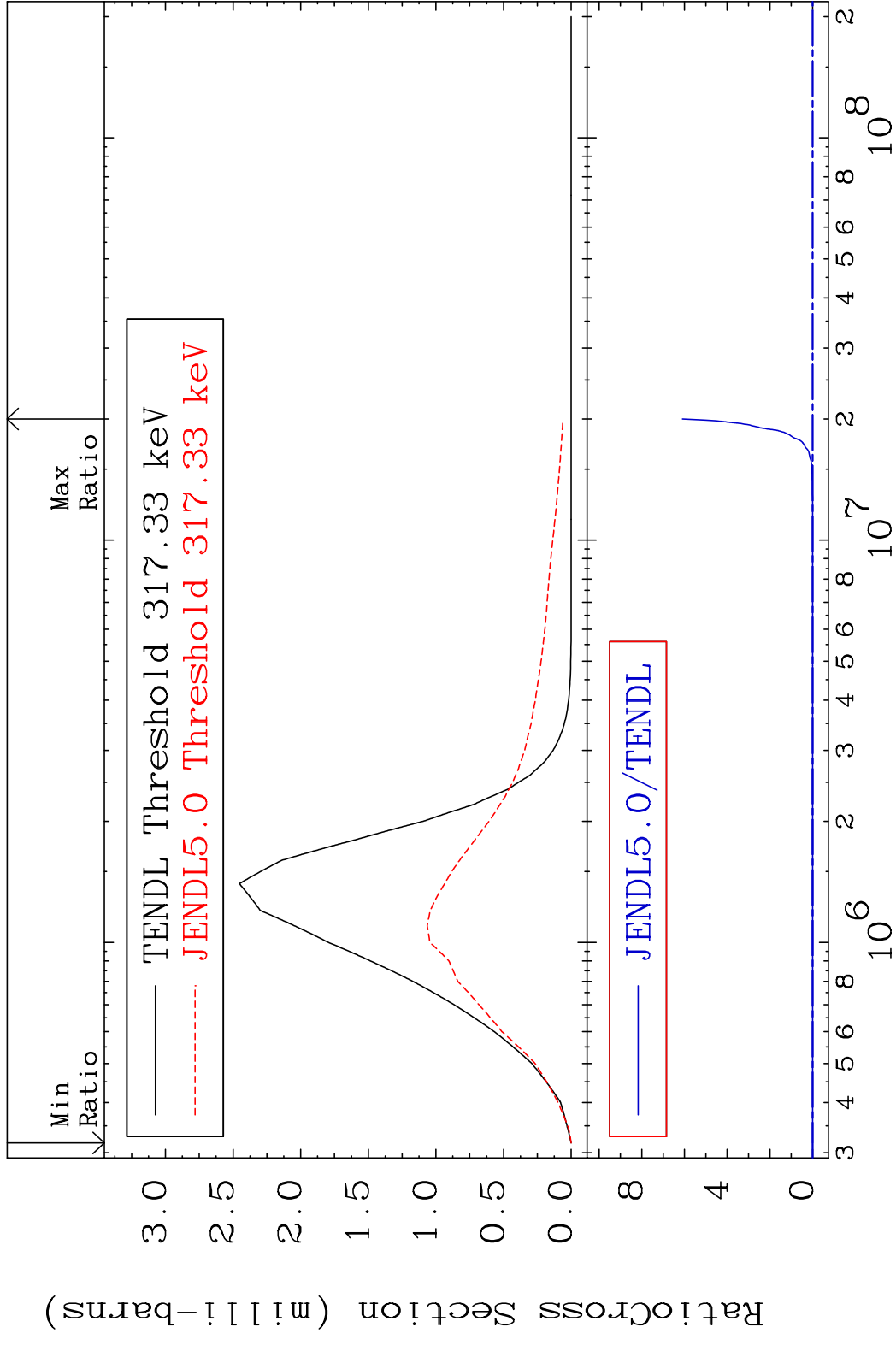


16 Incident Energy (eV) 95-Am-240

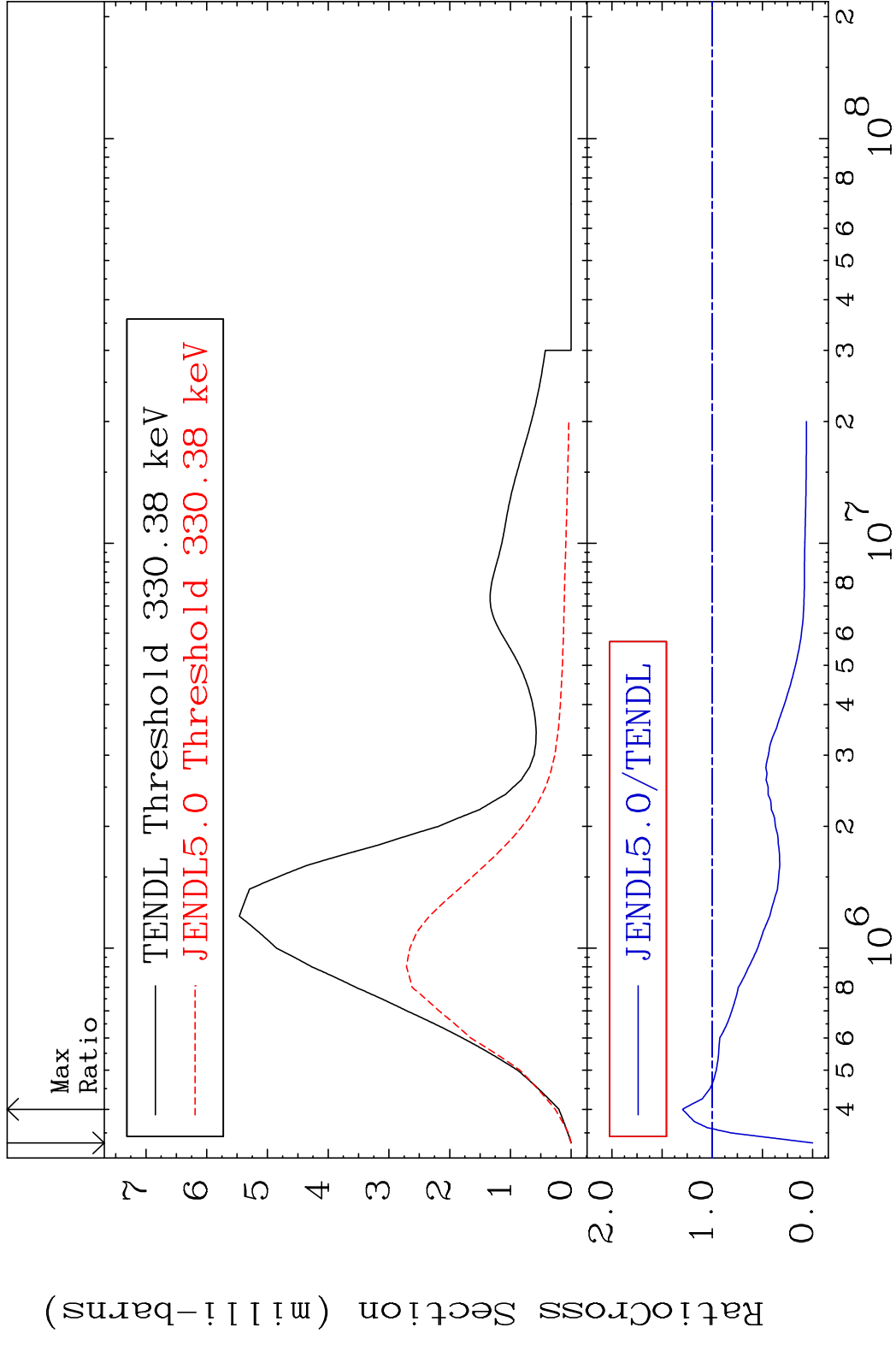
MAT 9540 MT= 61 (n,n') Level 95-Am-240  
 Cross Section -100.0 To -44.36%



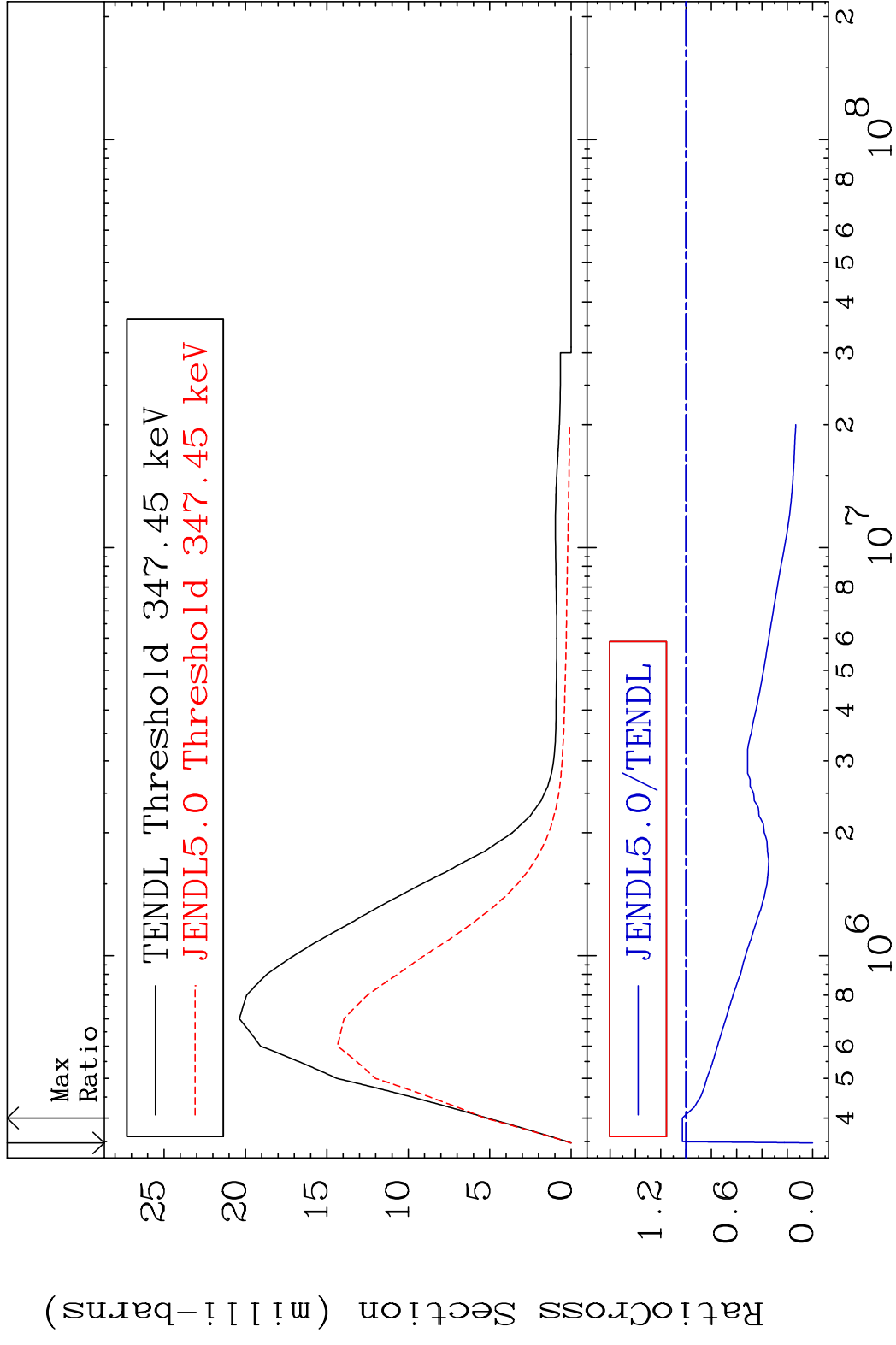
MAT 9540 MT= 62 (n, n') Level 95-Am-240  
 Cross Section -100.0 To 9999. %



MAT 9540 MT= 63 (n,n') Level 95-Am-240  
 Cross Section -100.0 To 29.72 %

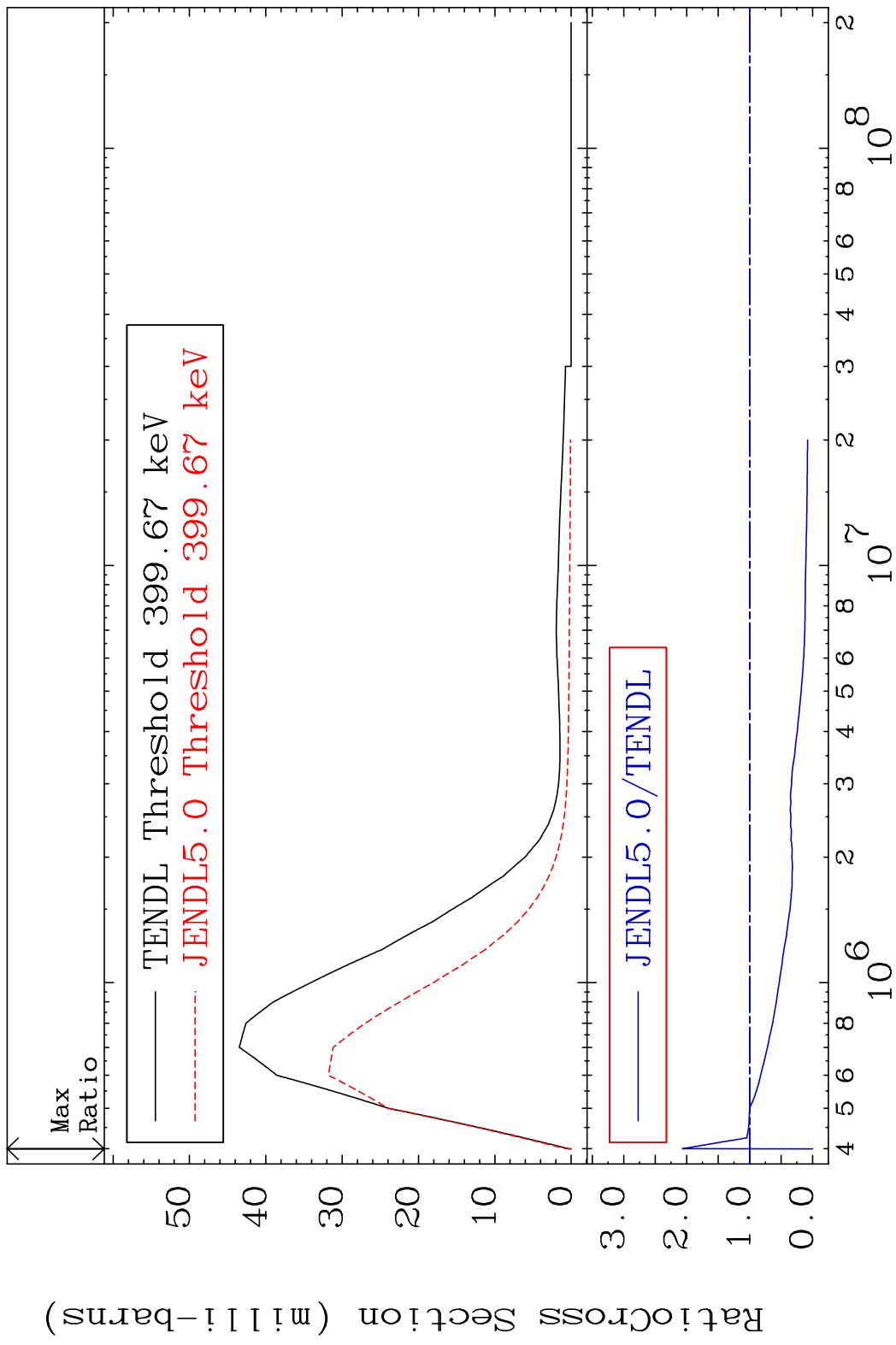


MAT 9540 MT= 64 (n, n') Level 95-Am-240  
 Cross Section -100.0 To 2.865 %



20 95-Am-240

MAT 9540 MT= 65 (n,n') Level 95-Am-240  
 Cross Section -100.0 To 106.8 %

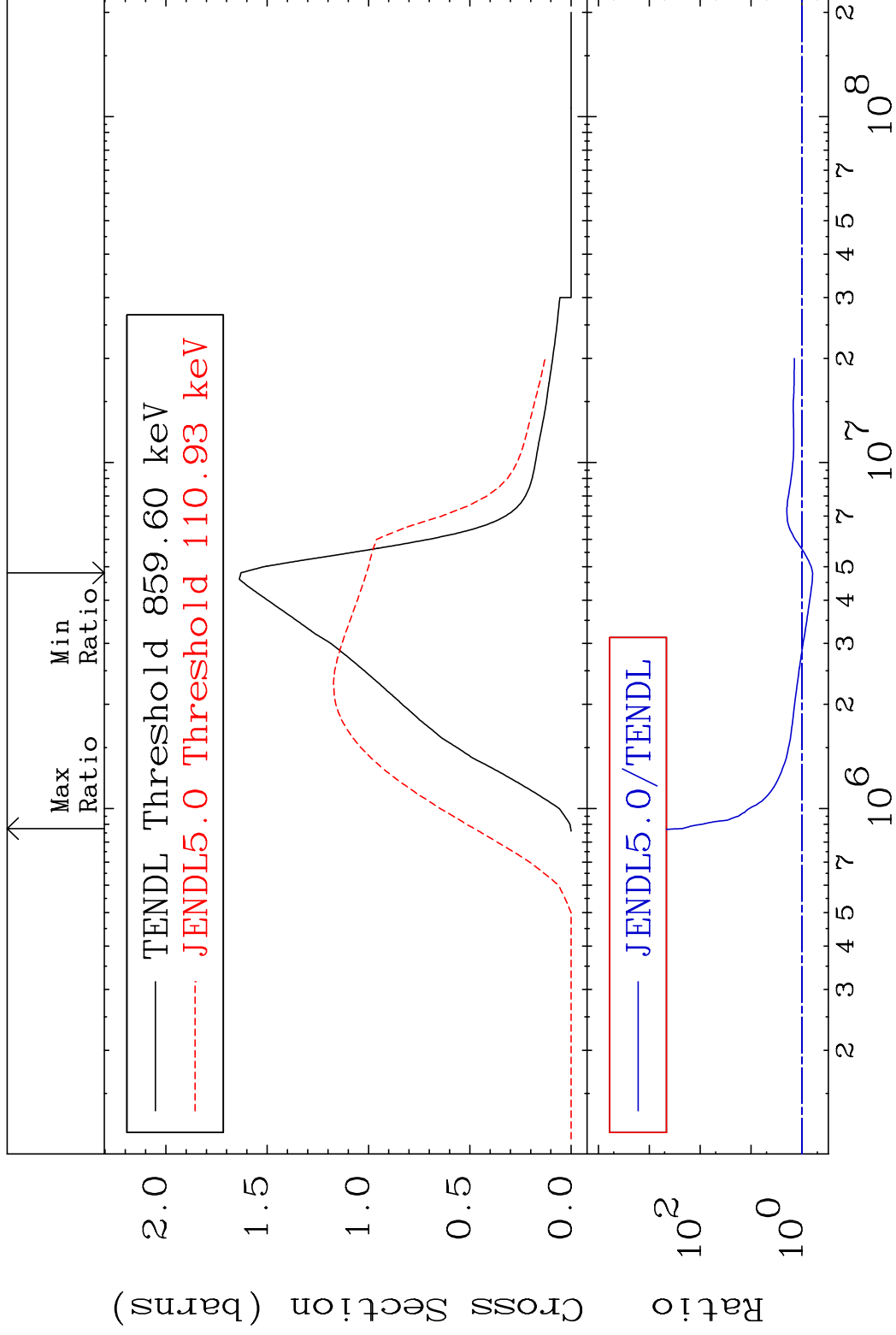


MAT 9540

(n,n') Continuum

95-Am-240

Cross Section -38.02 To 9999. %

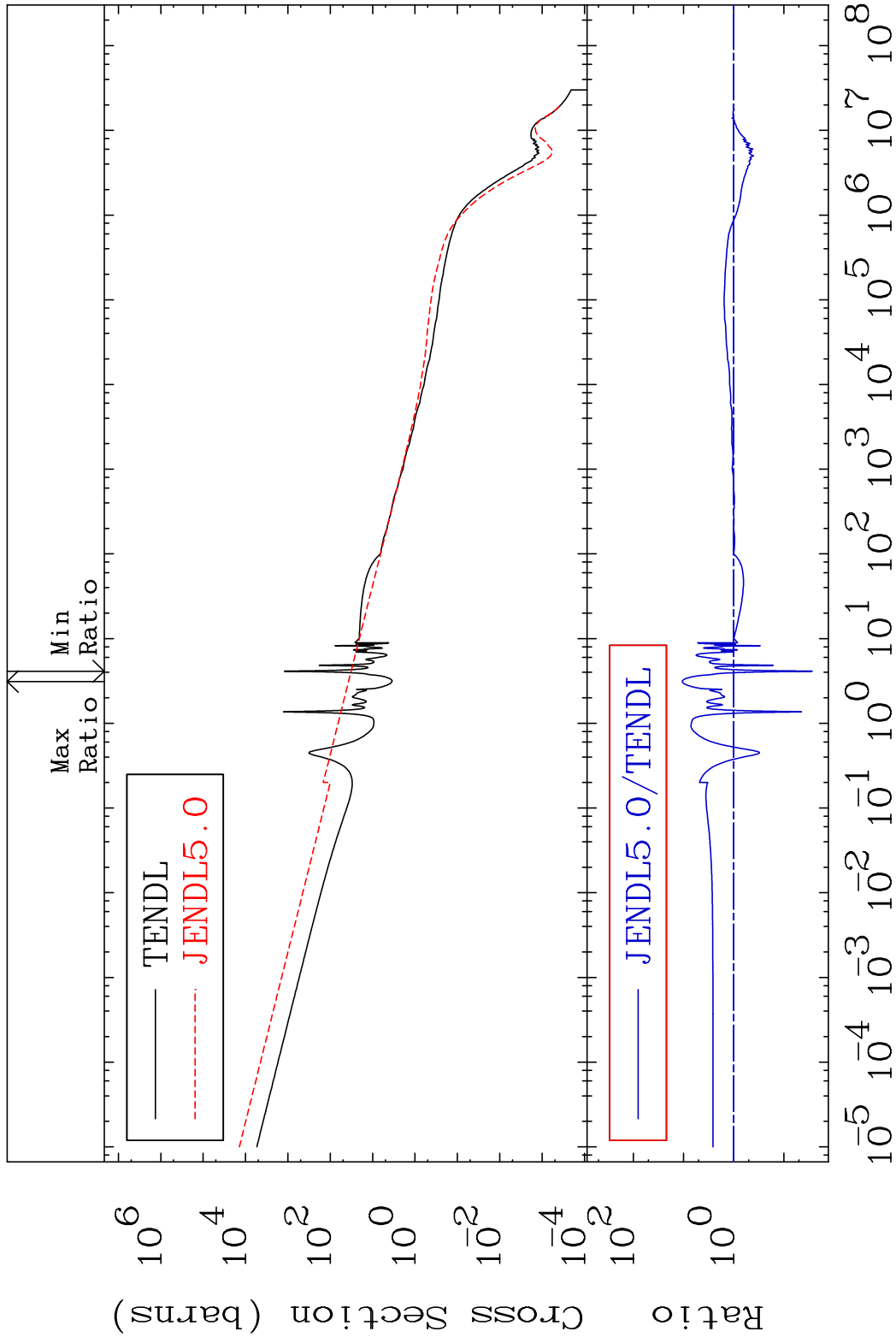


MAT 9540

(n,  $\gamma$ )

95-Am-240

Cross Section -97.33 To 956.9 %



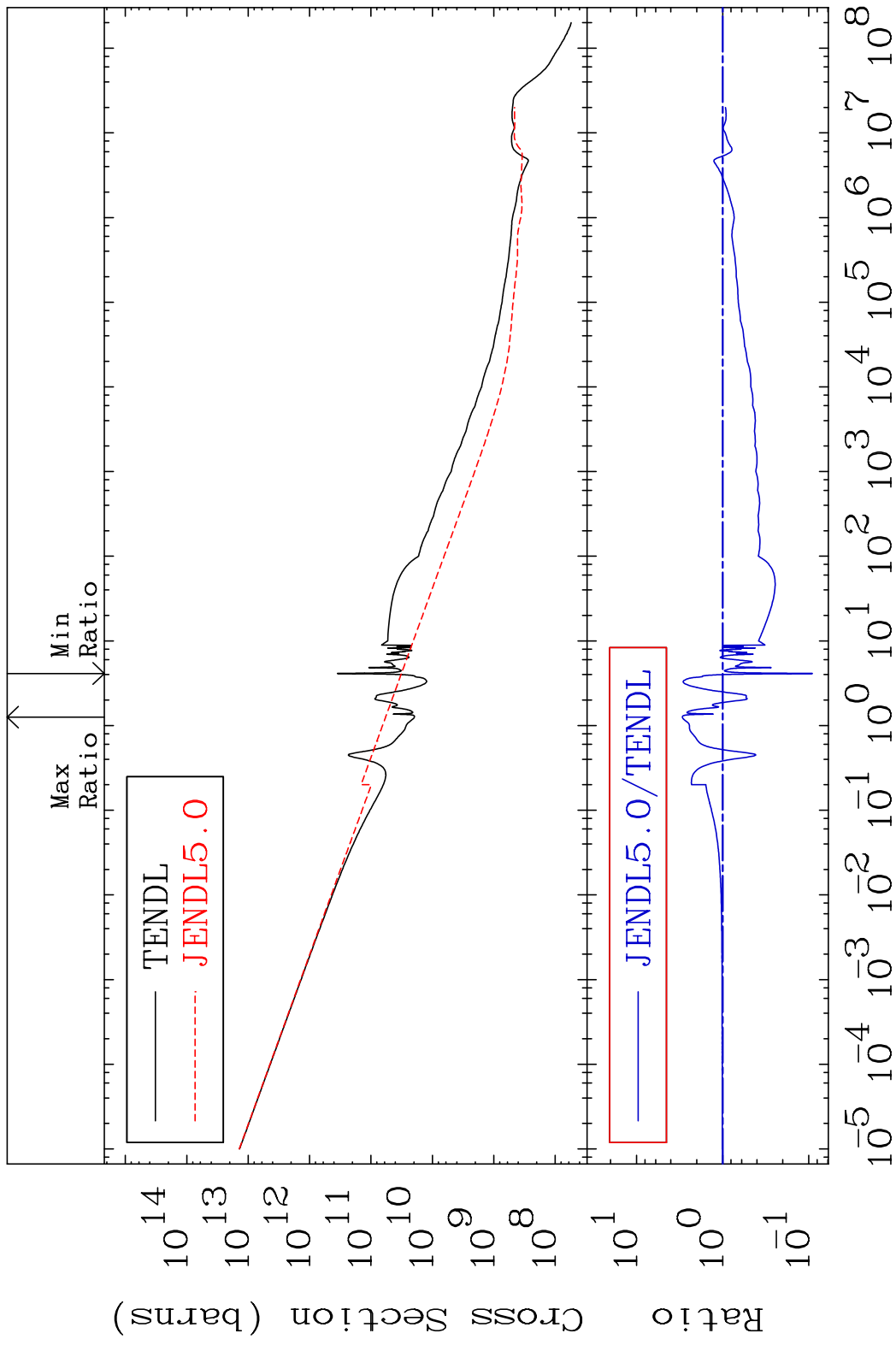
23

Incident Energy (eV)

95-Am-240



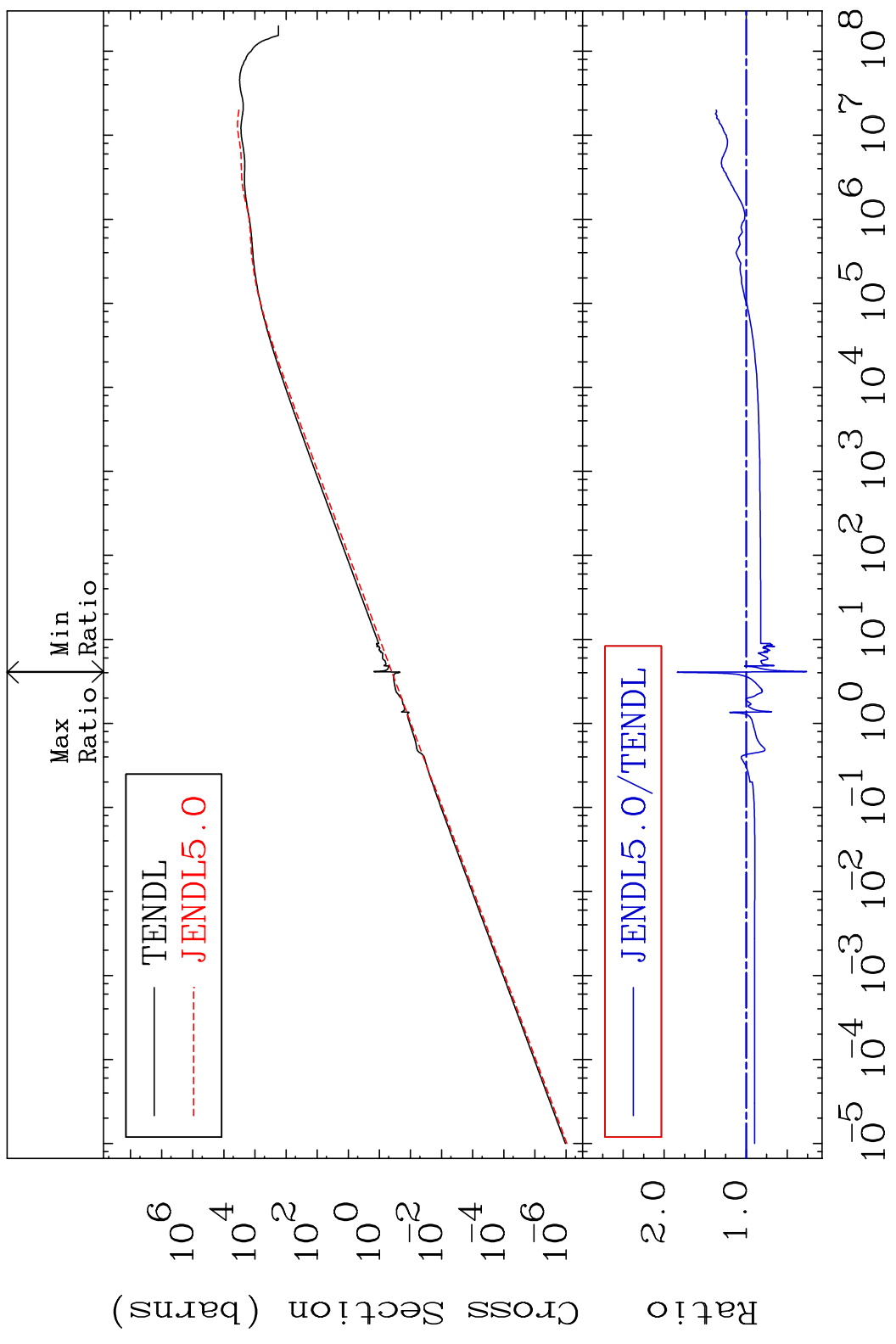
MAT 9540 Kerma total (eV-barns) 95-Am-240  
 Cross Section -90.97 To 193.8 %



MAT 9540

Kerma elastic Cross Section -73.45 To 84.13 %

95-Am-240

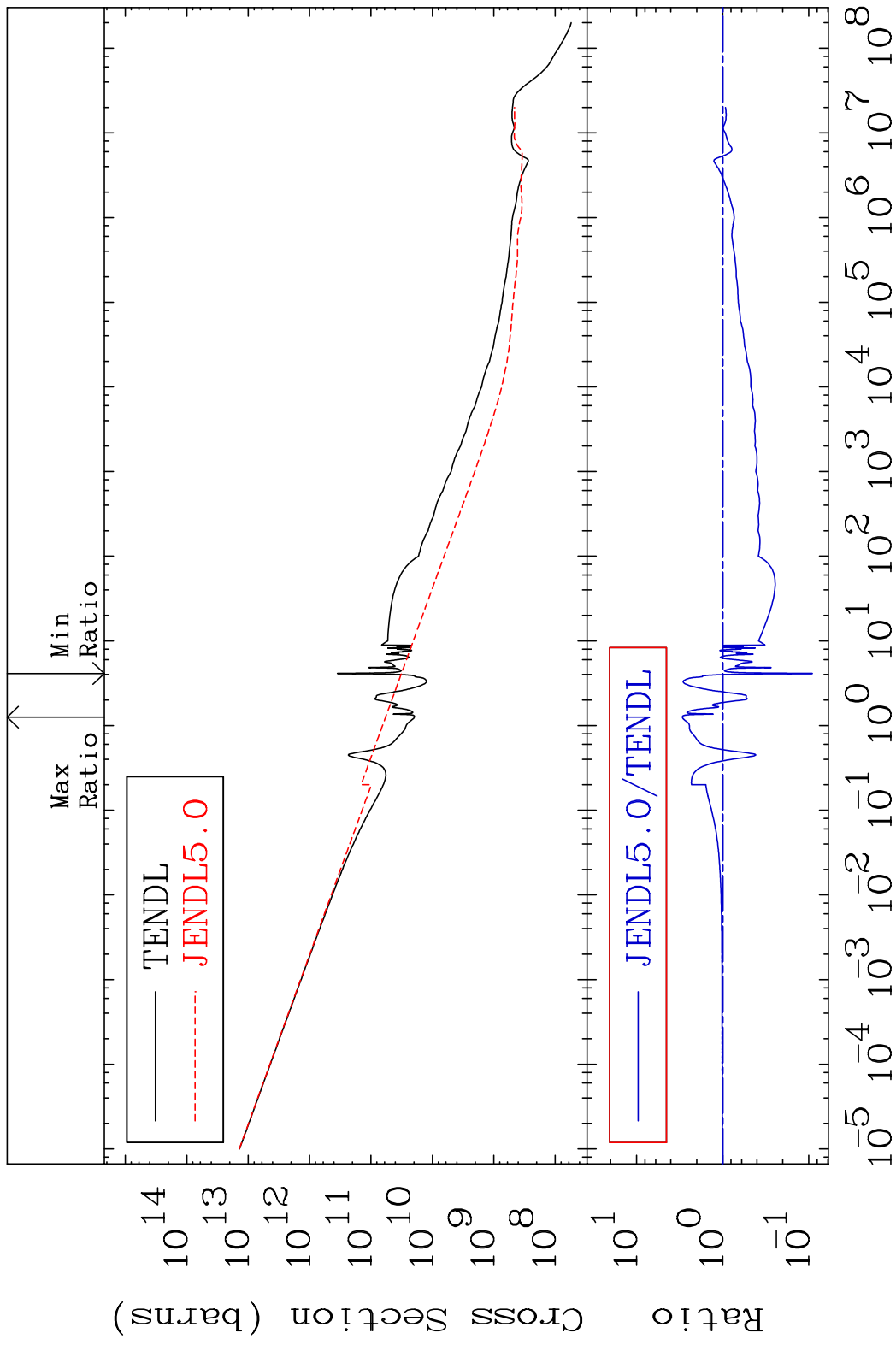


25

Incident Energy (eV)

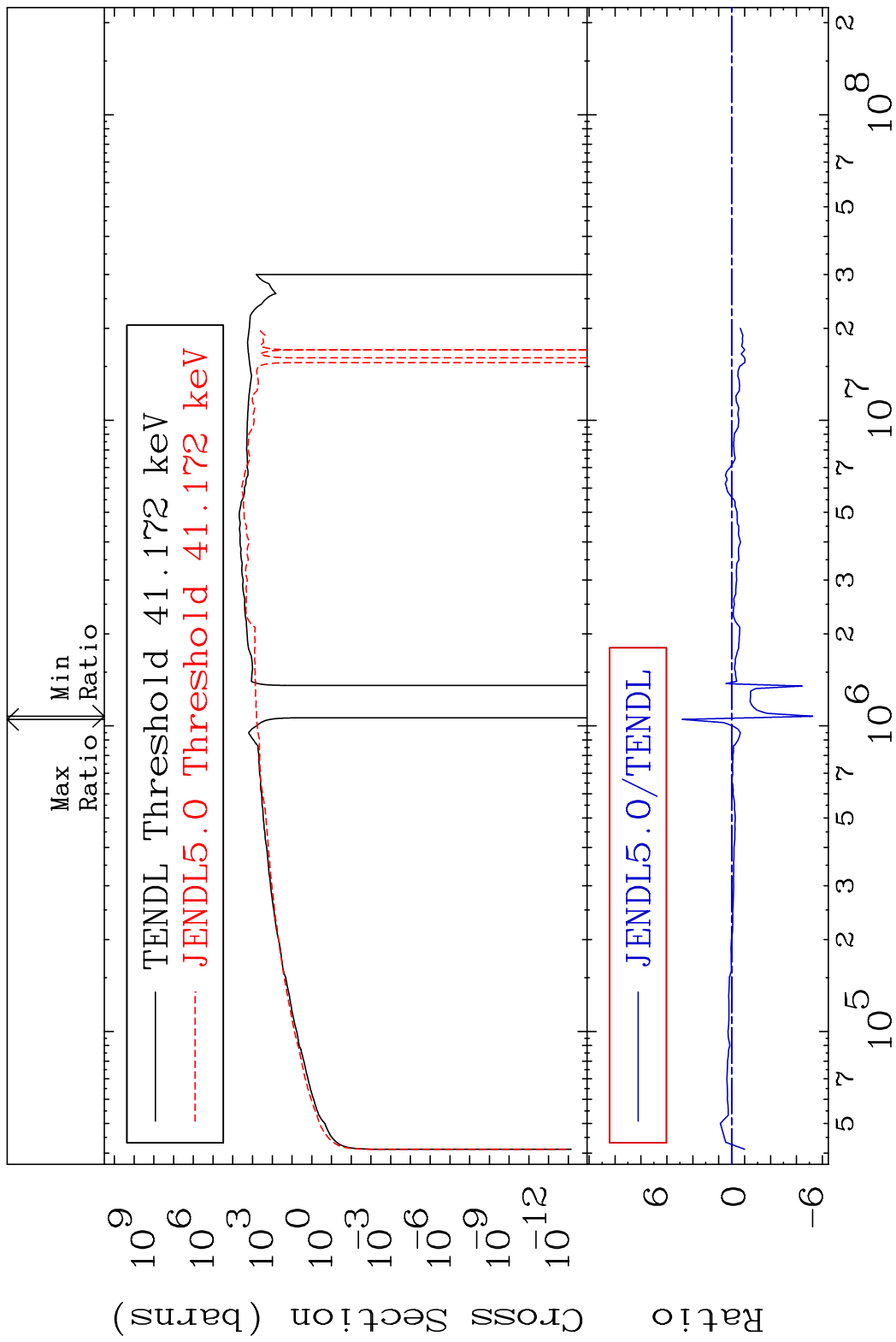
95-Am-240

MAT 9540 Kerma non-elastic (all but mt2) 95-Am-240  
 Cross Section -90.97 To 193.8 %

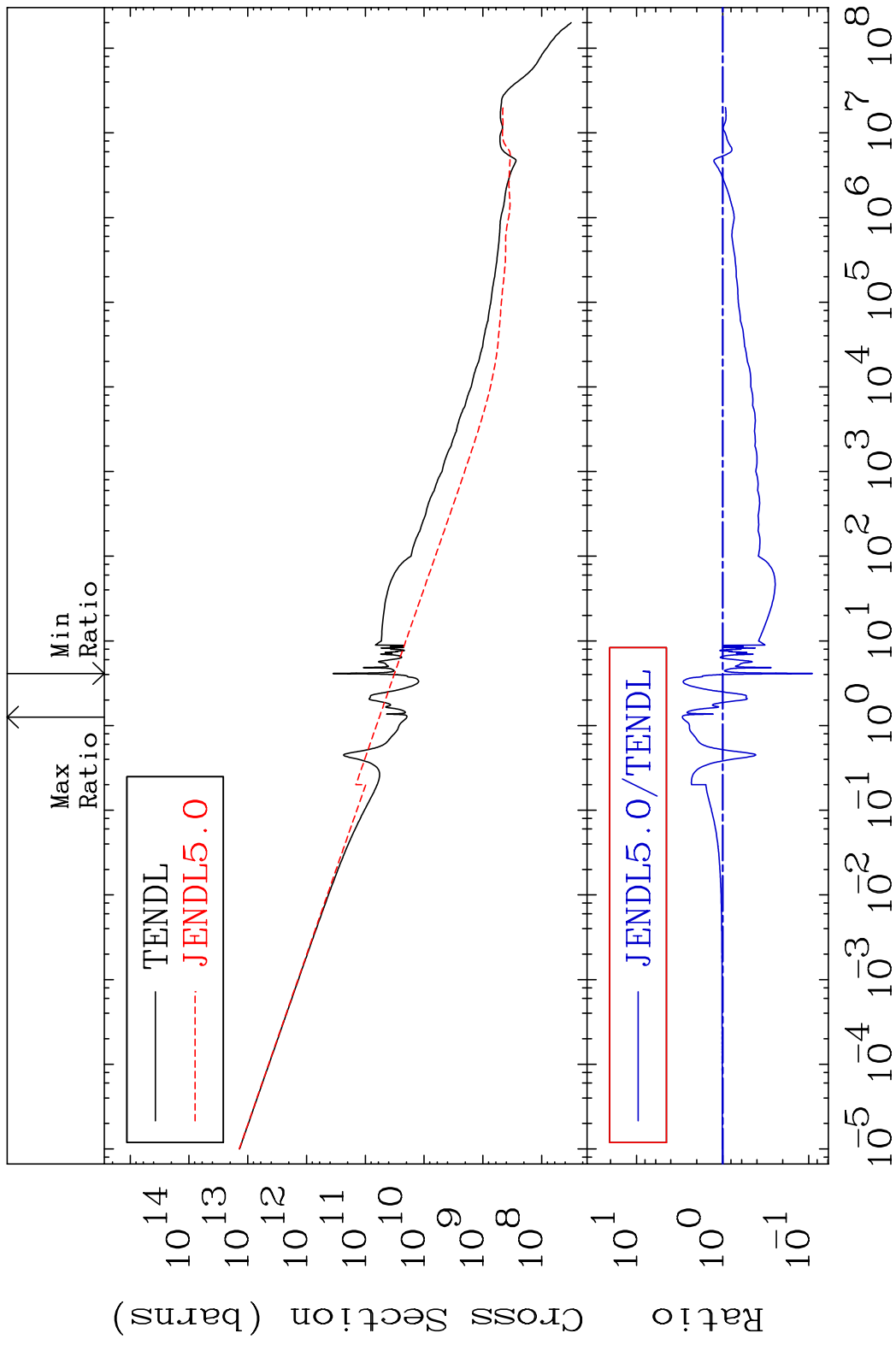


26 Incident Energy (eV) 95-Am-240

MAT 9540 Kerma inelastic (mt51-91) 95-Am-240  
 Cross Section -624.1 To 380.4 %

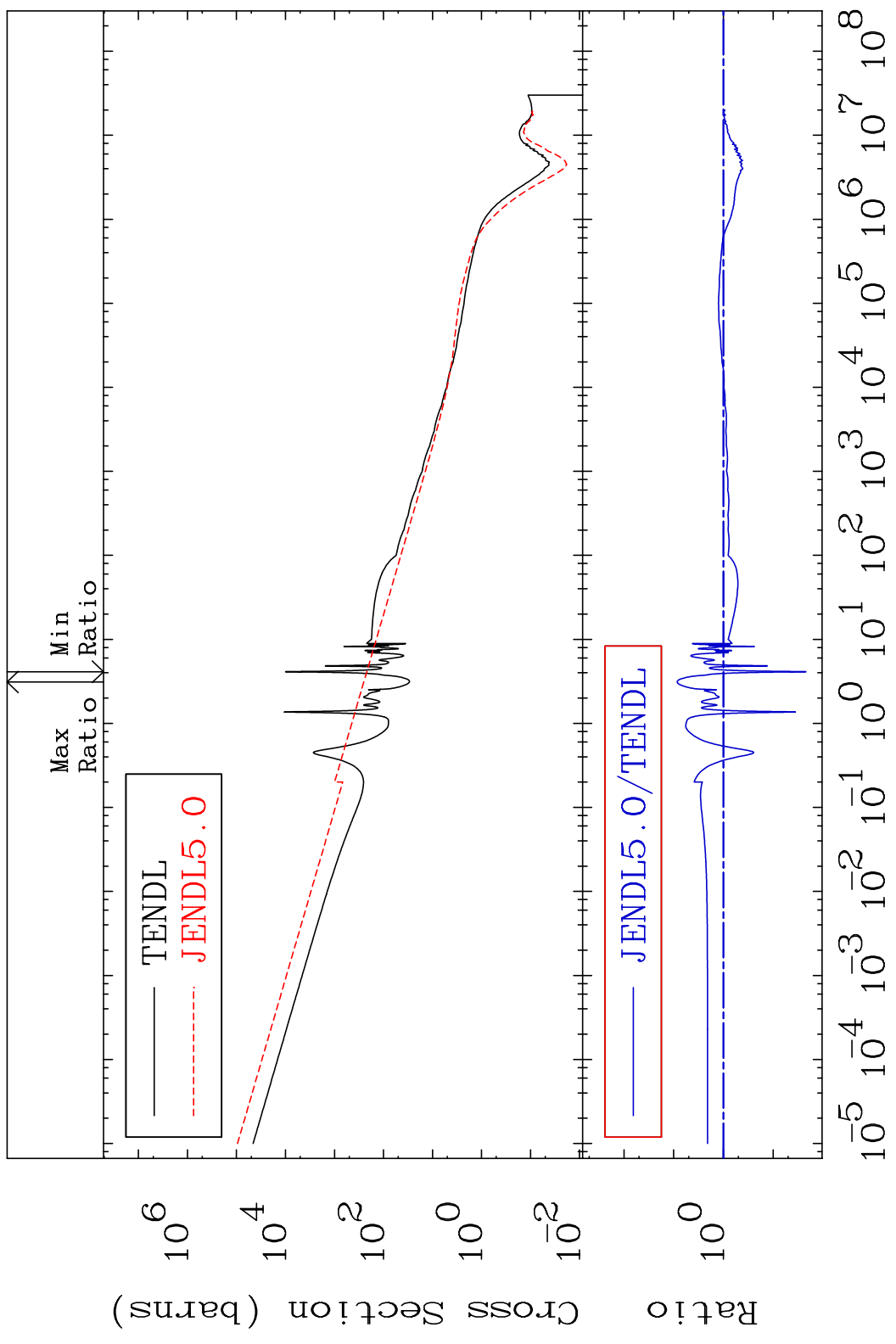


MAT 9540 Kerma fission (mt18 or mt19-20-21-38) 95-Am-240  
 Cross Section -90.97 To 193.8 %



MAT 9540

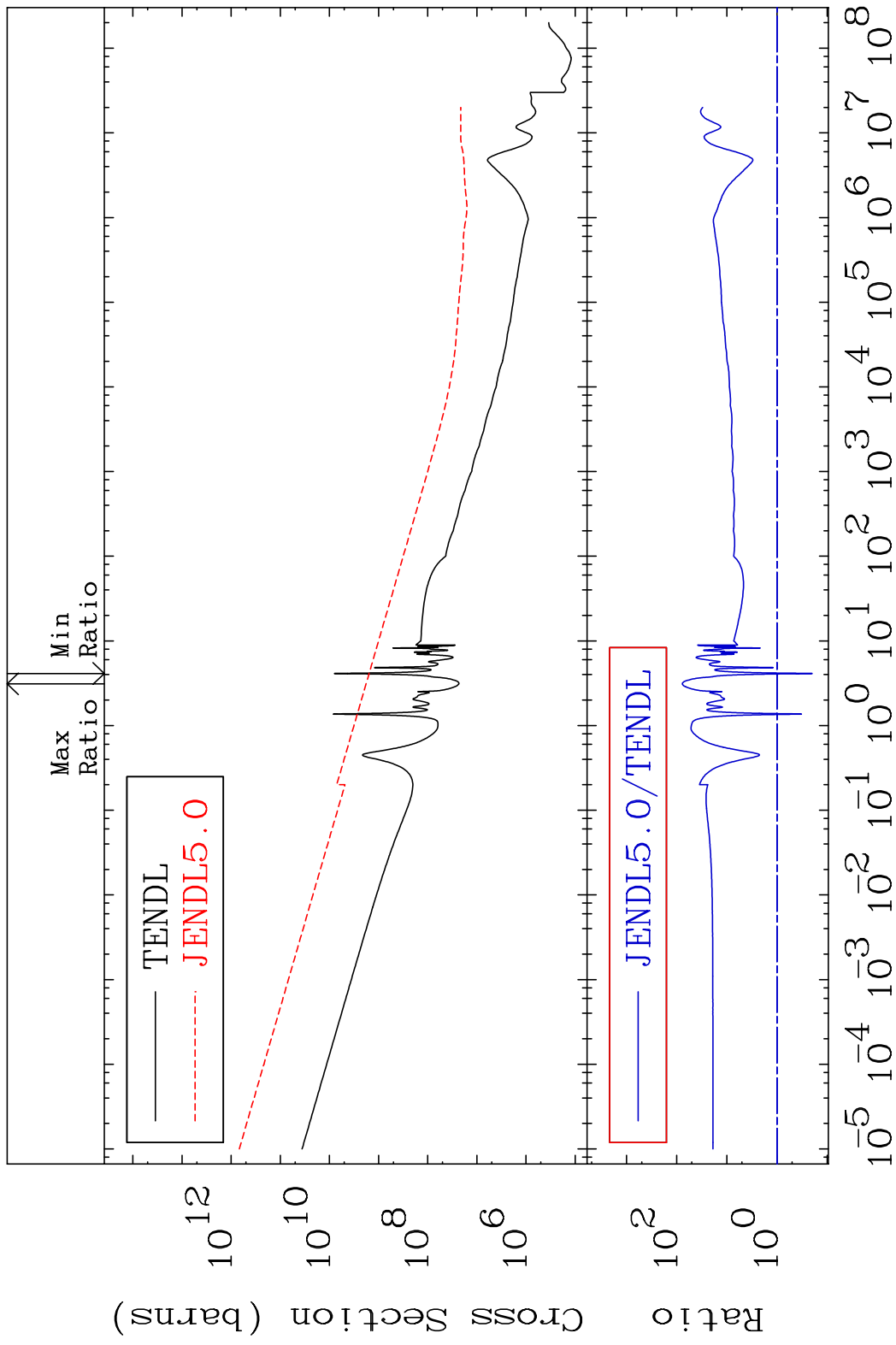
Kerma capture (mt102) 95-Am-240  
Cross Section -97.85 To 750.8 %



29

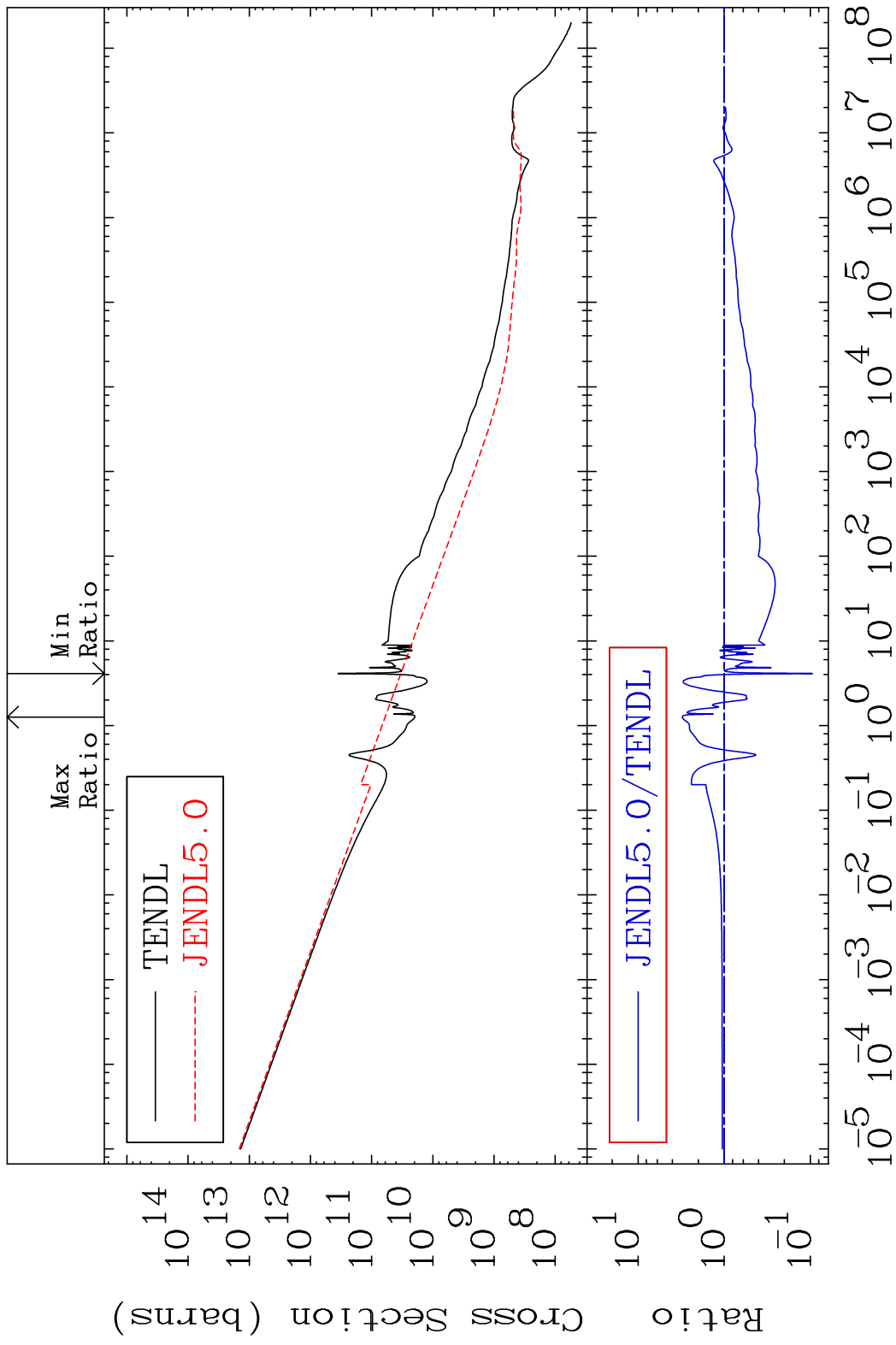
Incident Energy (eV) 95-Am-240

MAT 9540 Total photon (eV-barns) 95-Am-240  
Cross Section -80.49 To 7624. %



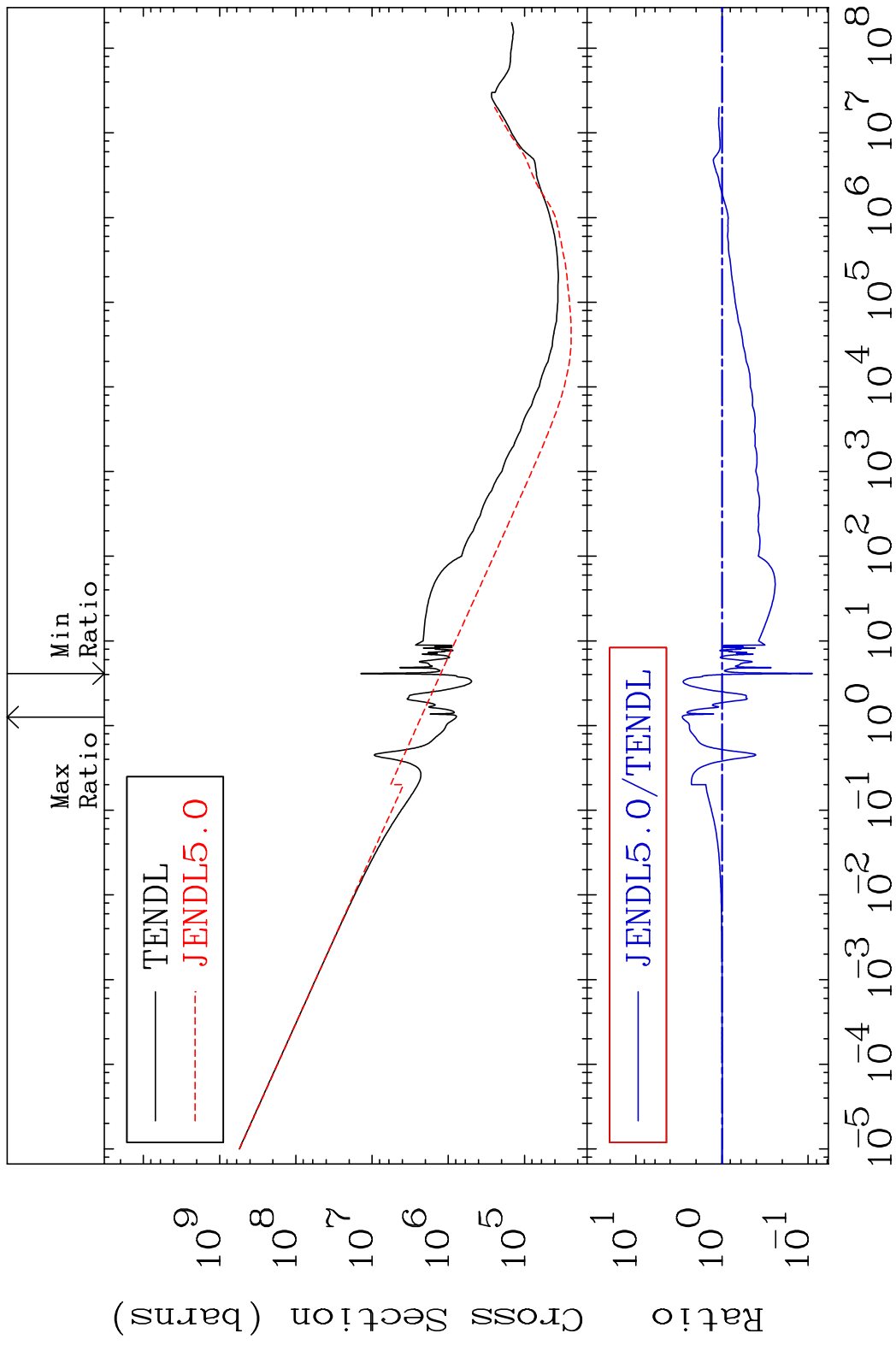
30 Incident Energy (eV) 95-Am-240

MAT 9540 Total kinematic kerma (high limit) 95-Am-240  
 Cross Section -90.58 To 206.2 %





MAT 9540 Dpa total (eV-barns) 95-Am-240  
 Cross Section -91.12 To 188.8 %

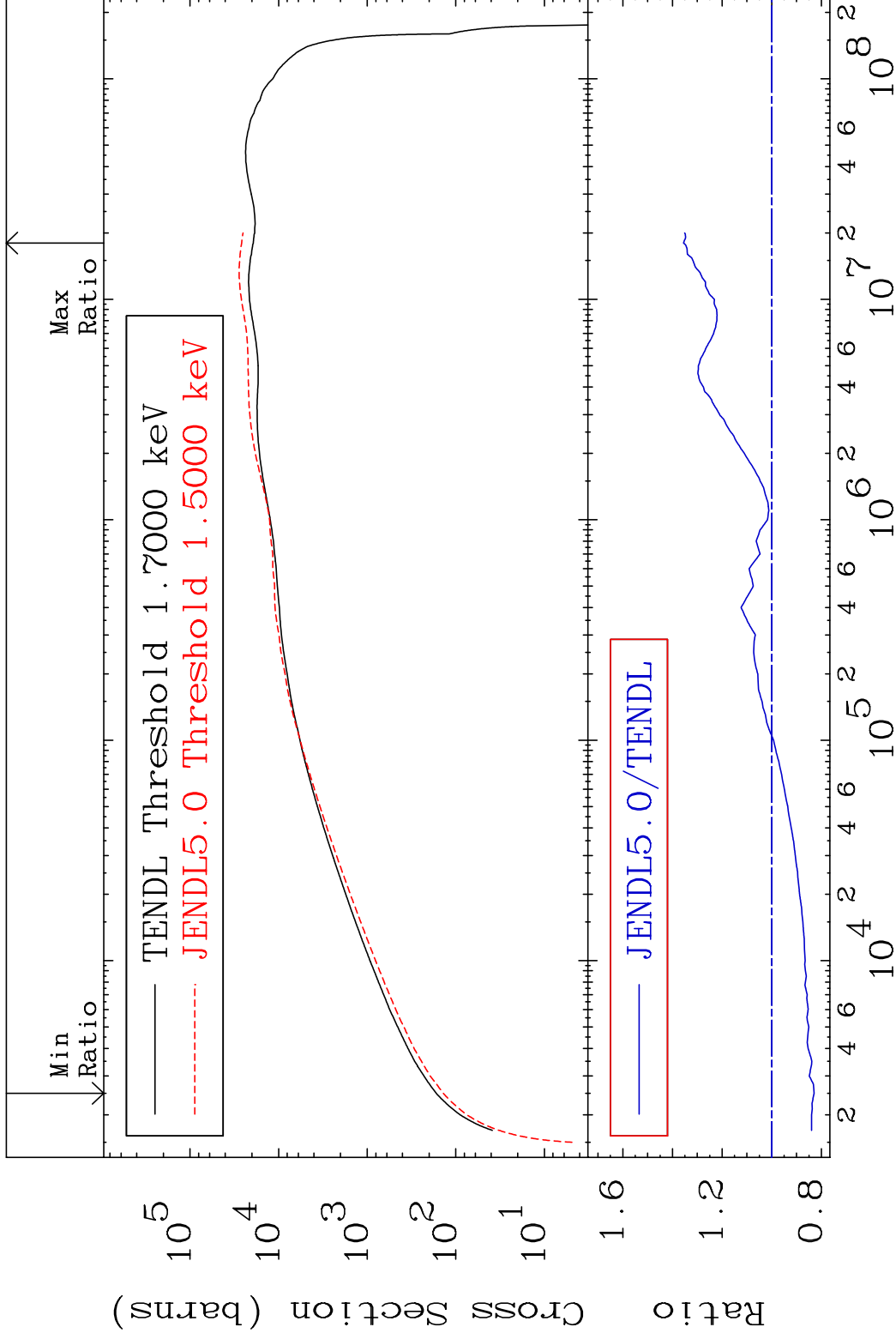


MAT 9540

Dpa elastic (mt2)

95-Am-240

Cross Section -17.03 To 35.57 %

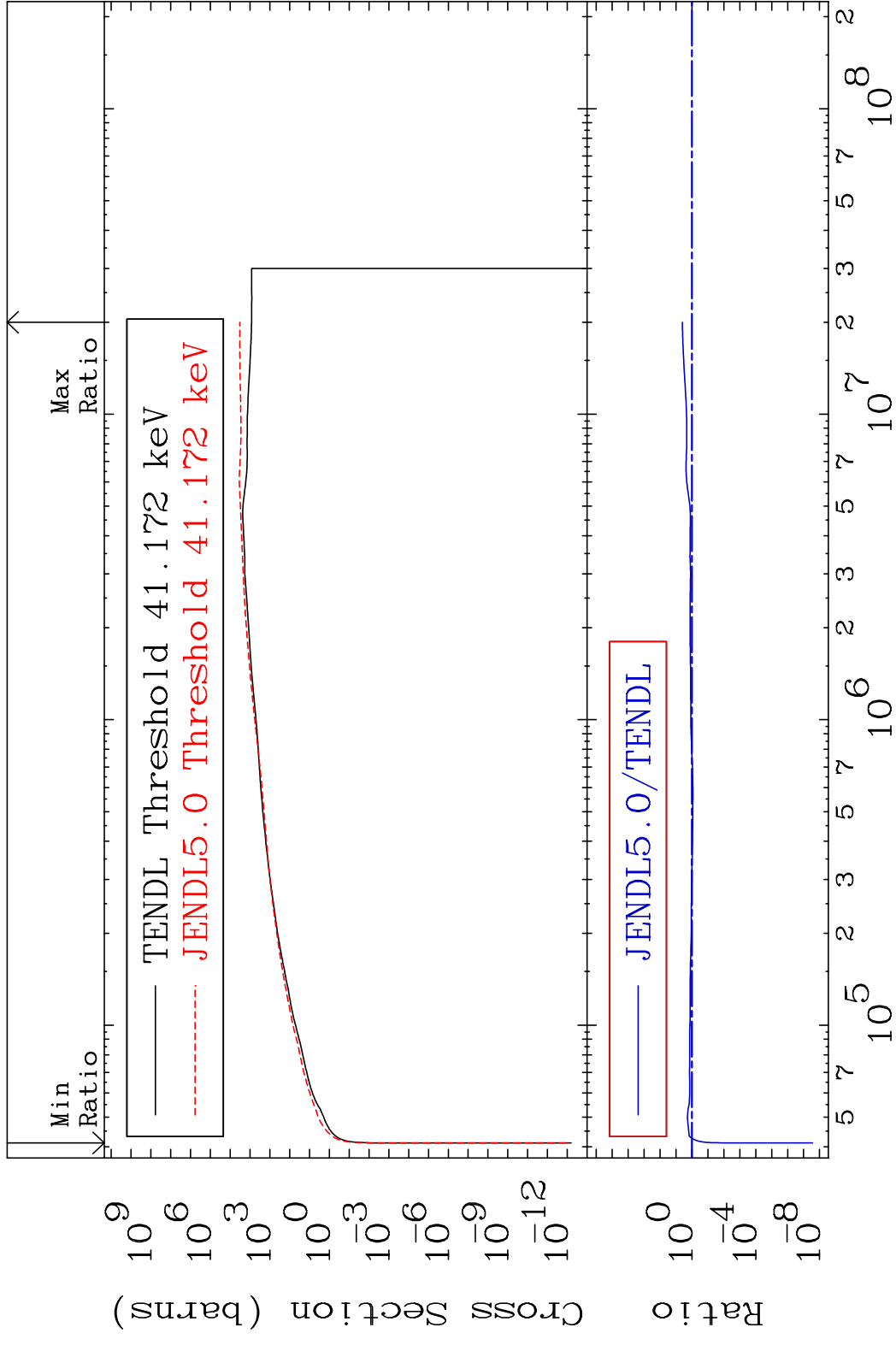


33

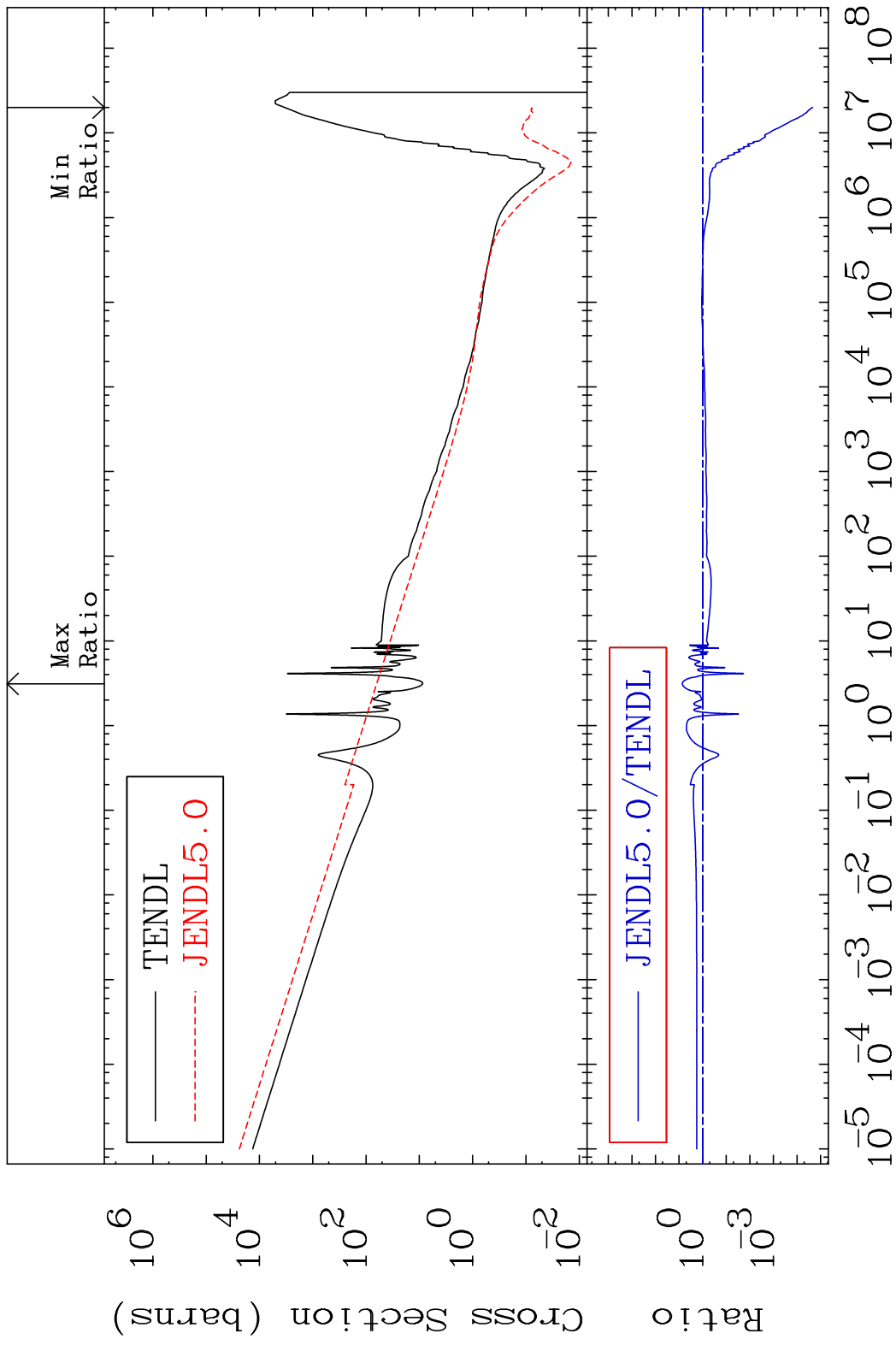
Incident Energy (eV)

95-Am-240

MAT 9540 Dpa inelastic (mt51-91) 95-Am-240  
 Cross Section -100.0 To 294.7 %

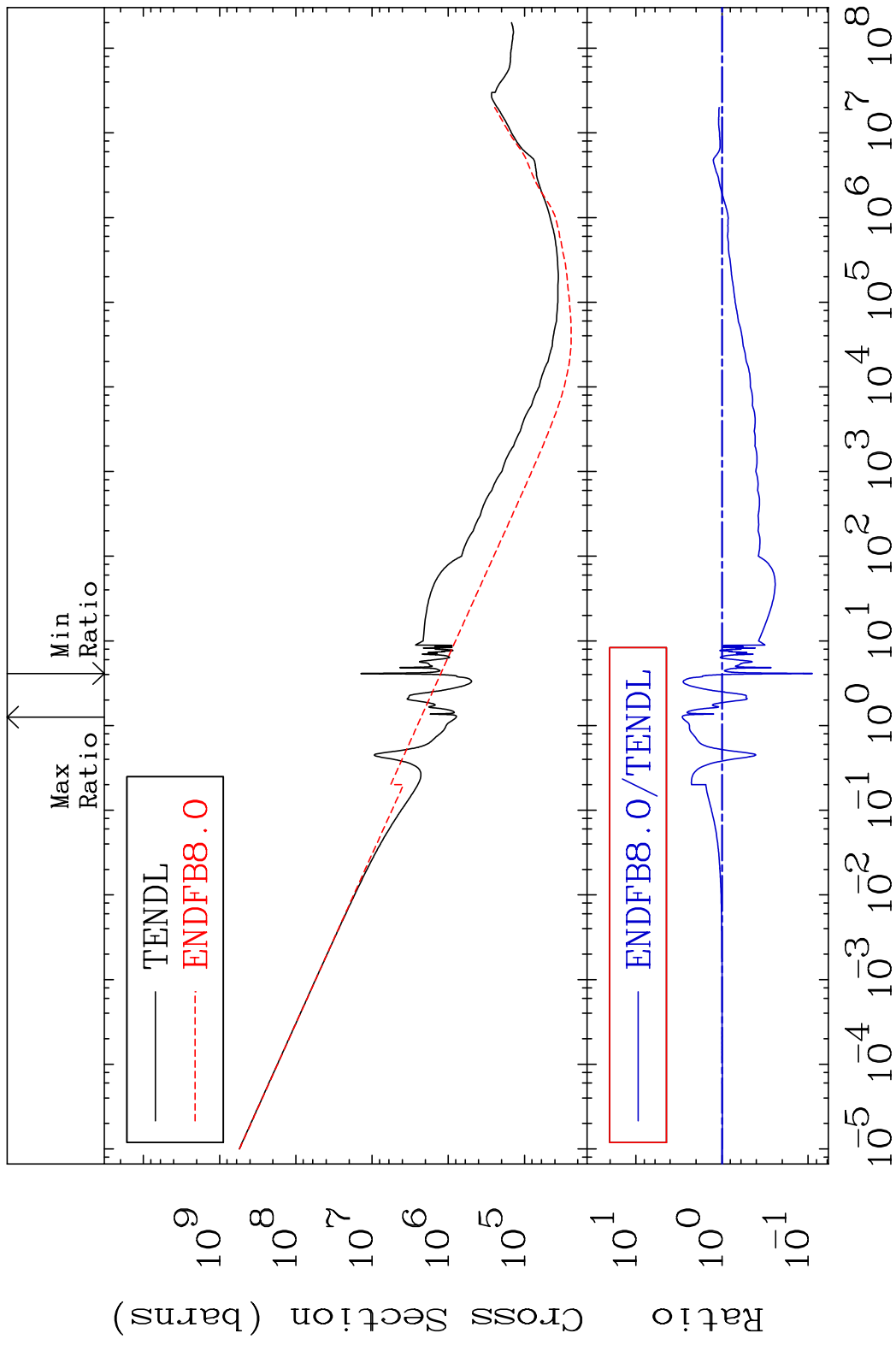


MAT 9540 Dpa disappearance (mt102 -120) 95-Am-240  
 Cross Section -100.0 To 626.5 %

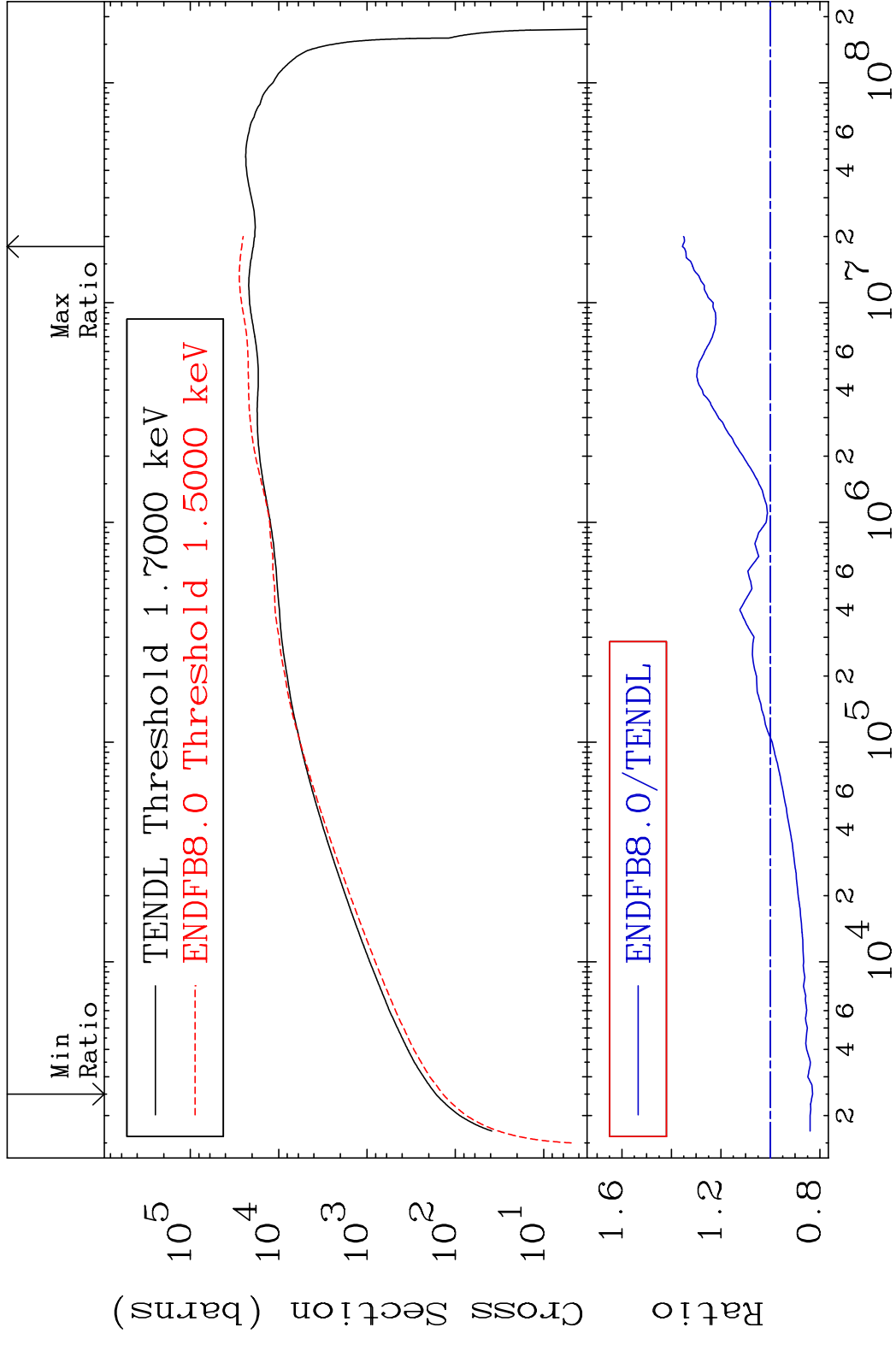


35 Incident Energy (eV) 95-Am-240

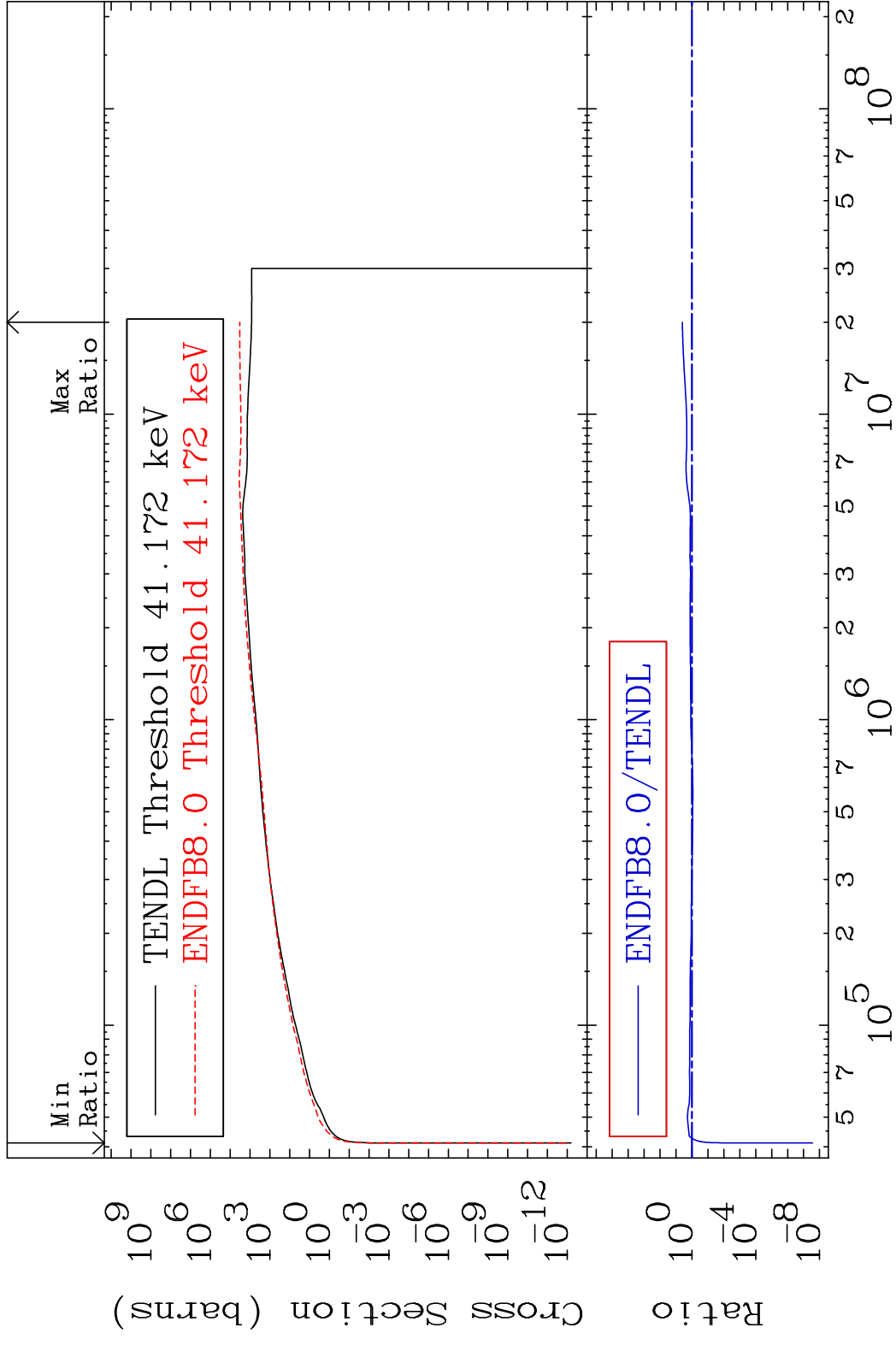
MAT 9540      Dpa total (eV-barns)      95-Am-240  
 Cross Section      -91.12 To 188.8 %



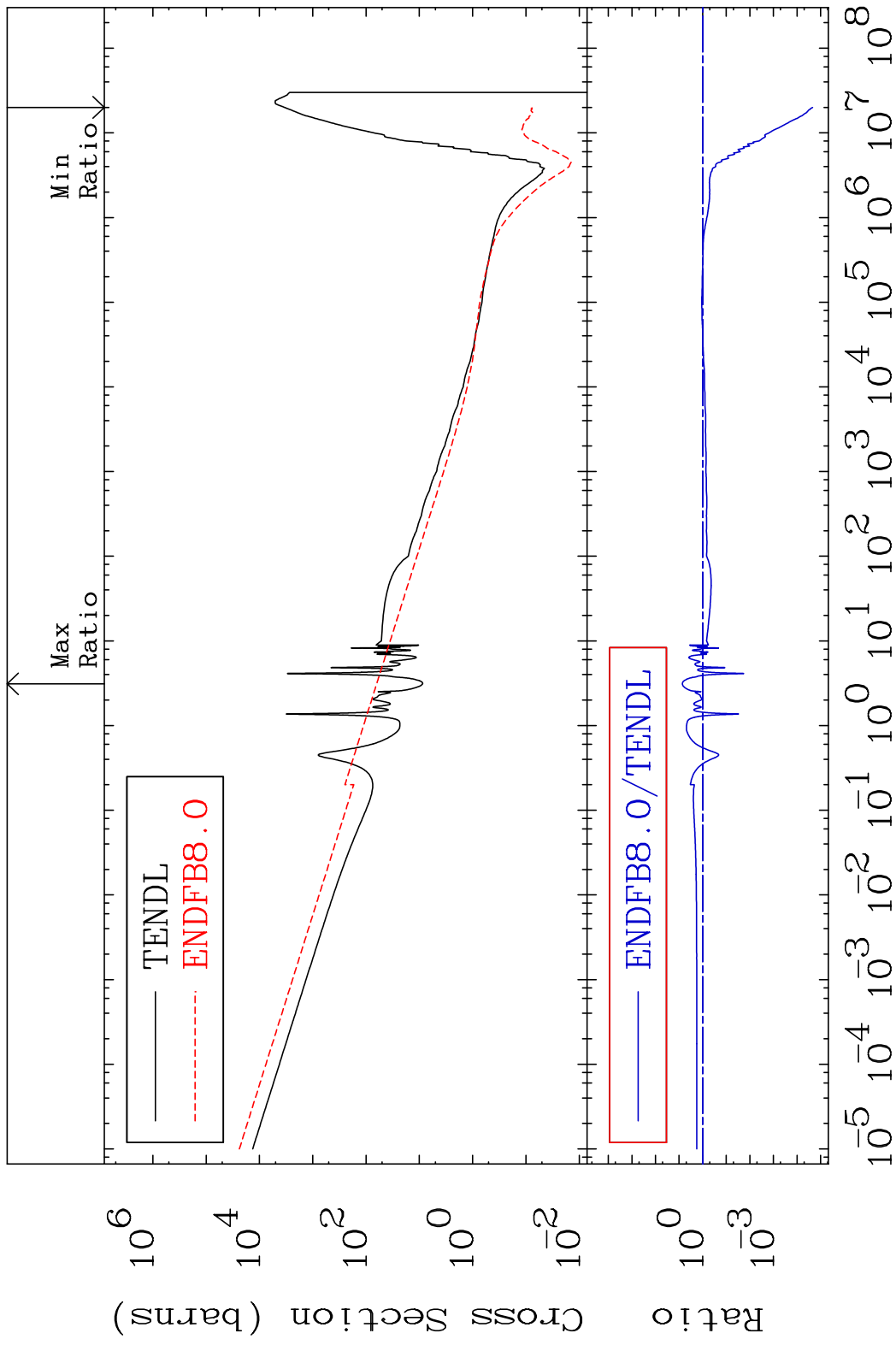
MAT 9540      Dpa elastic (mt2)      95-Am-240  
 Cross Section      -17.03 To 35.57 %



MAT 9540 Dpa inelastic (mt51-91) 95-Am-240  
 Cross Section -100.0 To 294.7 %



MAT 9540 Dpa disappearance (mt102 -120) 95-Am-240  
 Cross Section -100.0 To 626.5 %



39 Incident Energy (eV) 95-Am-240