

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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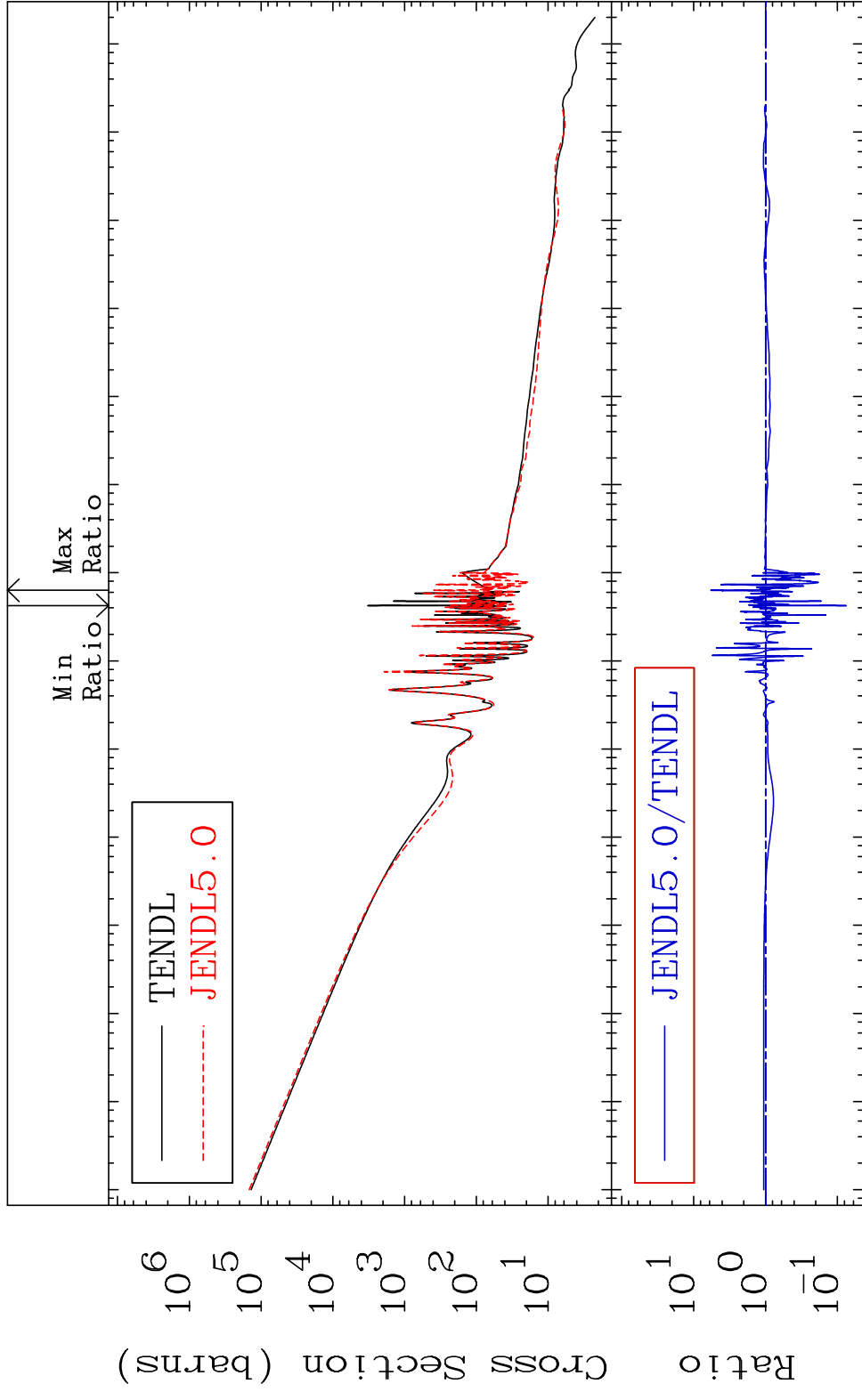
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9640

Total Cross Section -92.48 To 478.0 %

96-Cm-245

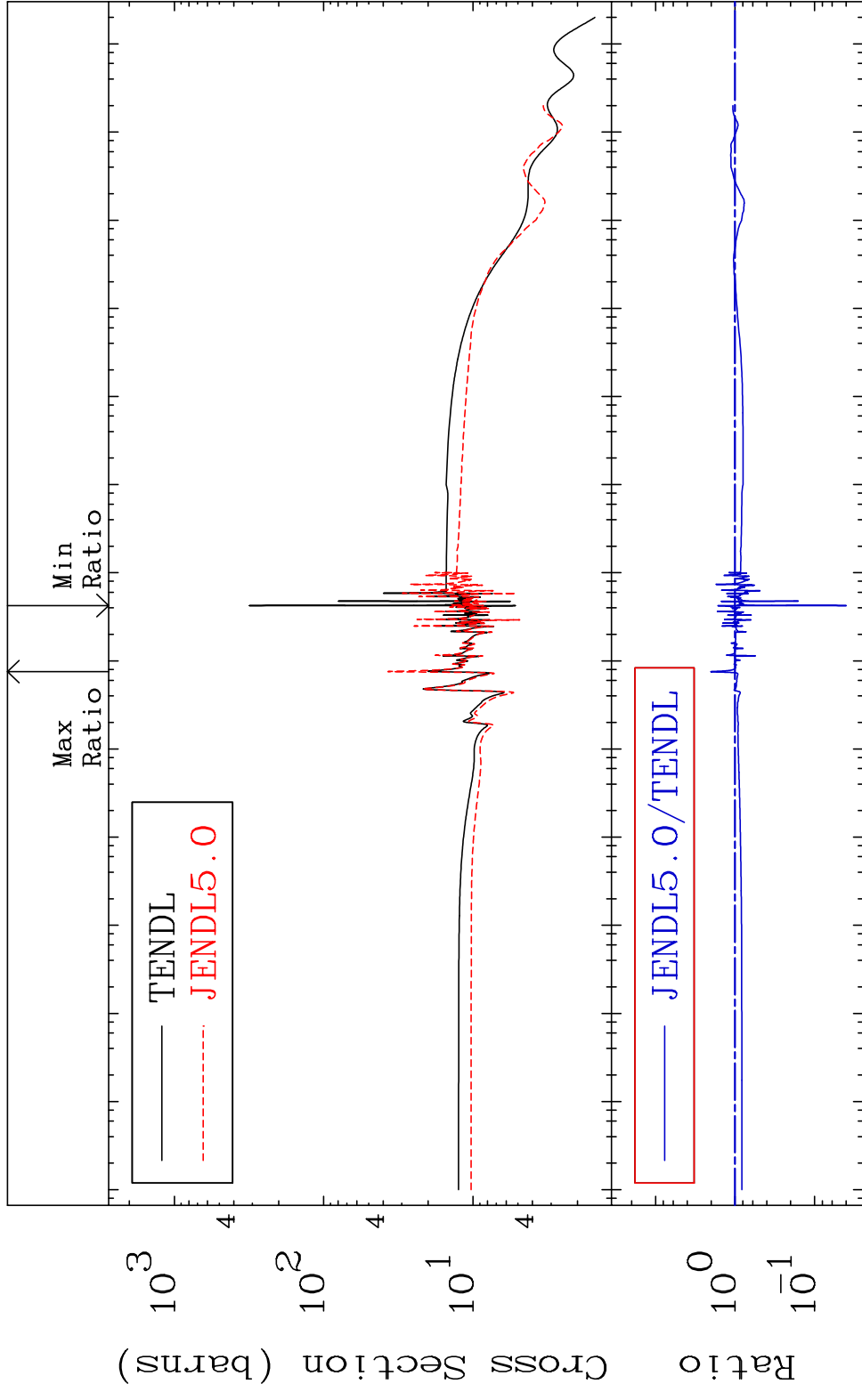


1

Incident Energy (eV)

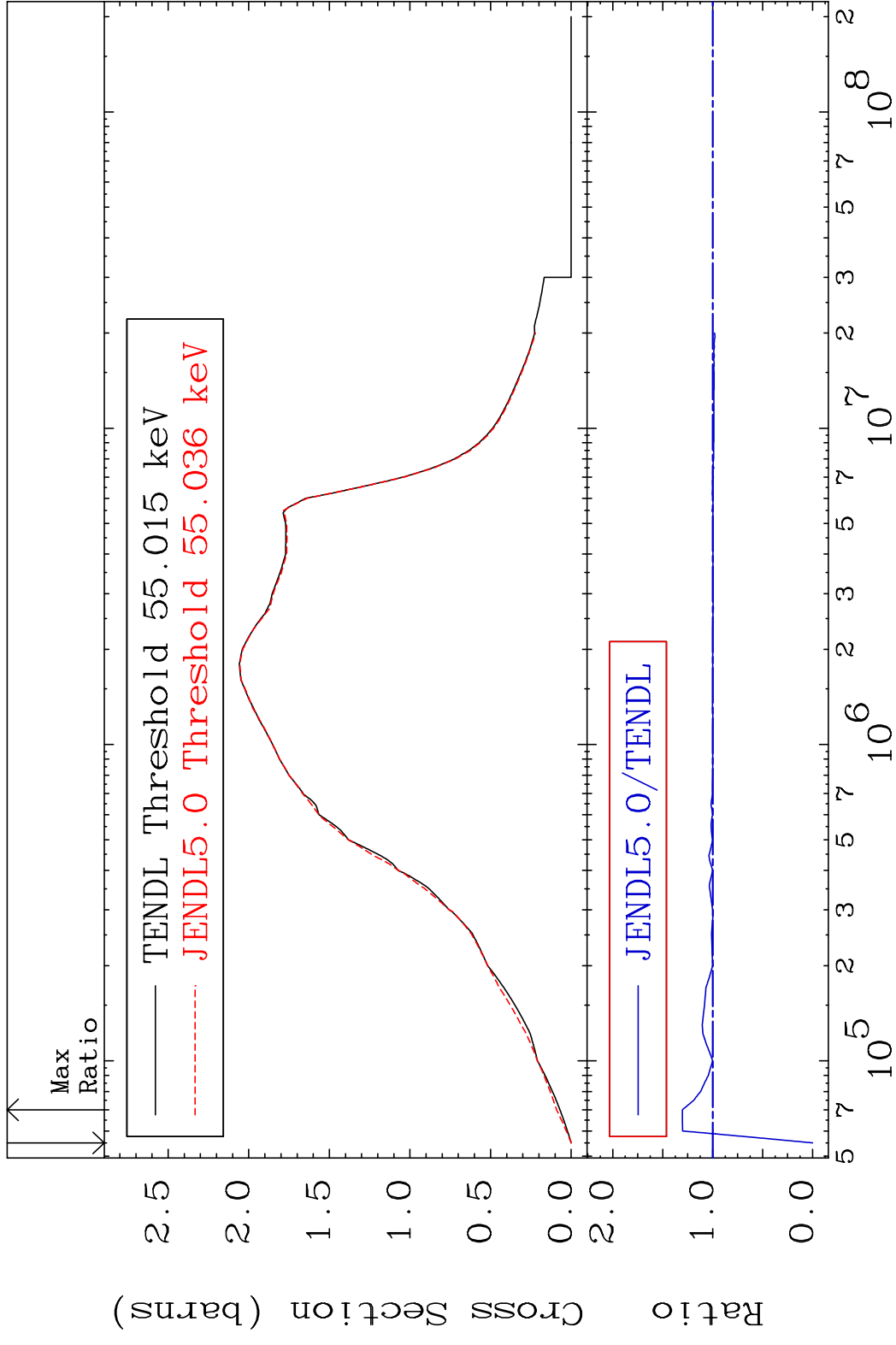
96-Cm-245

MAT 9640 Elastic 96-Cm-245  
Cross Section -96.01 To 102.5 %



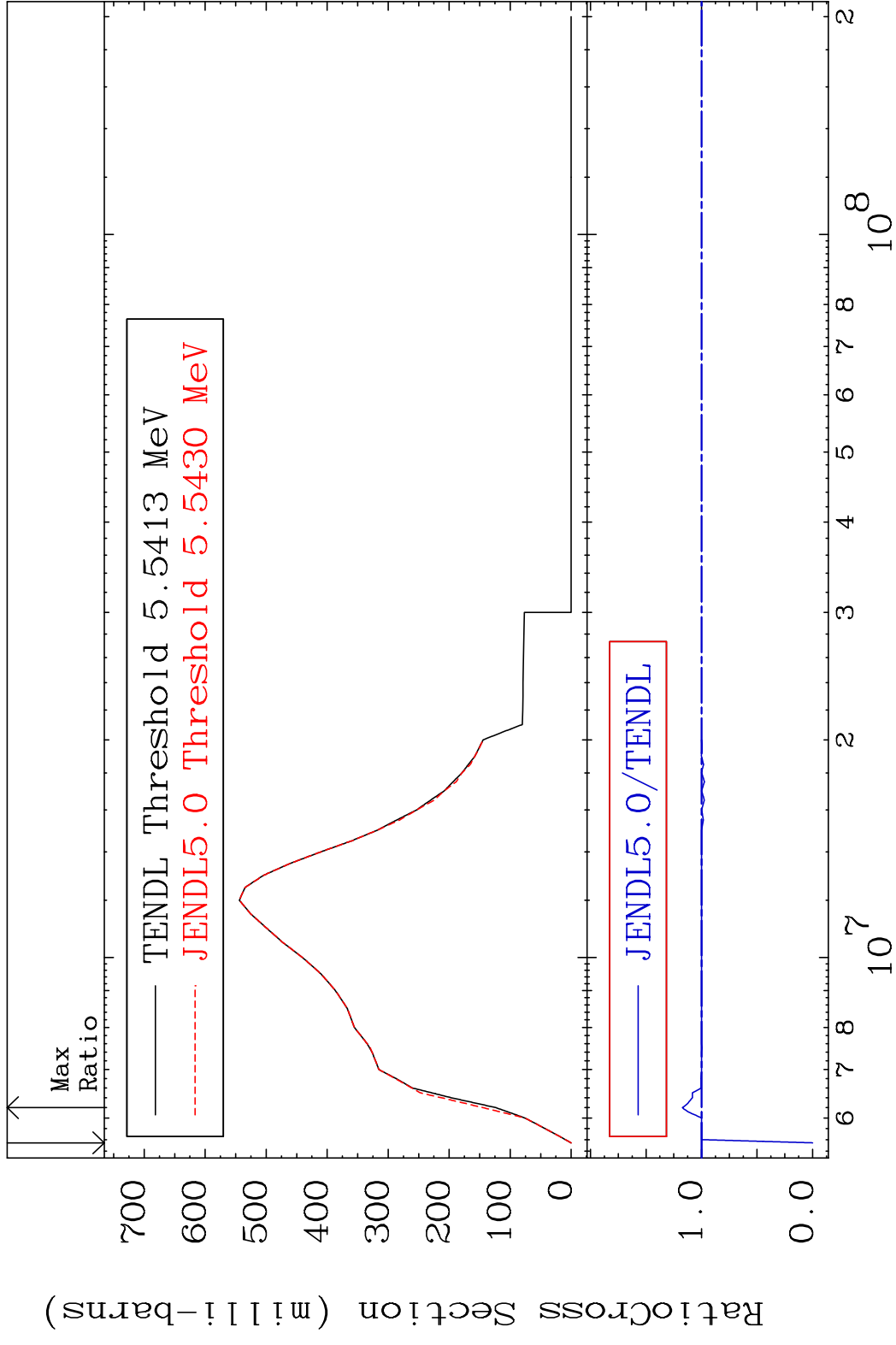
2 Incident Energy (eV) 96-Cm-245

MAT 9640 Inelastic 96-Cm-245  
 Cross Section -100.0 To 30.34 %



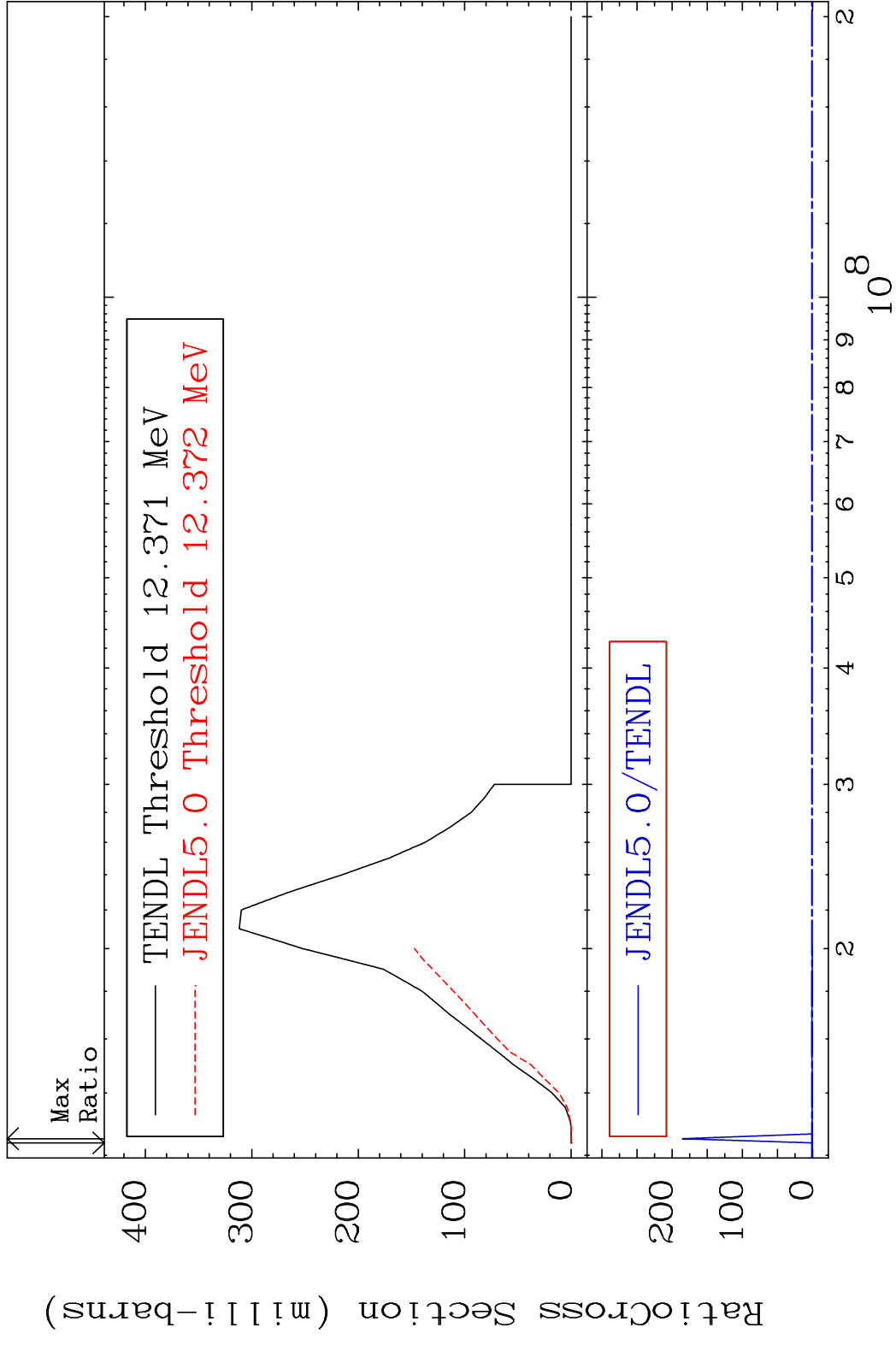
3 Incident Energy (eV) 96-Cm-245

MAT 9640 (n,2n) 96-Cm-245  
 Cross Section -100.0 To 17.29 %



4 6 7 8 10<sup>7</sup> 10<sup>8</sup> 96-Cm-245

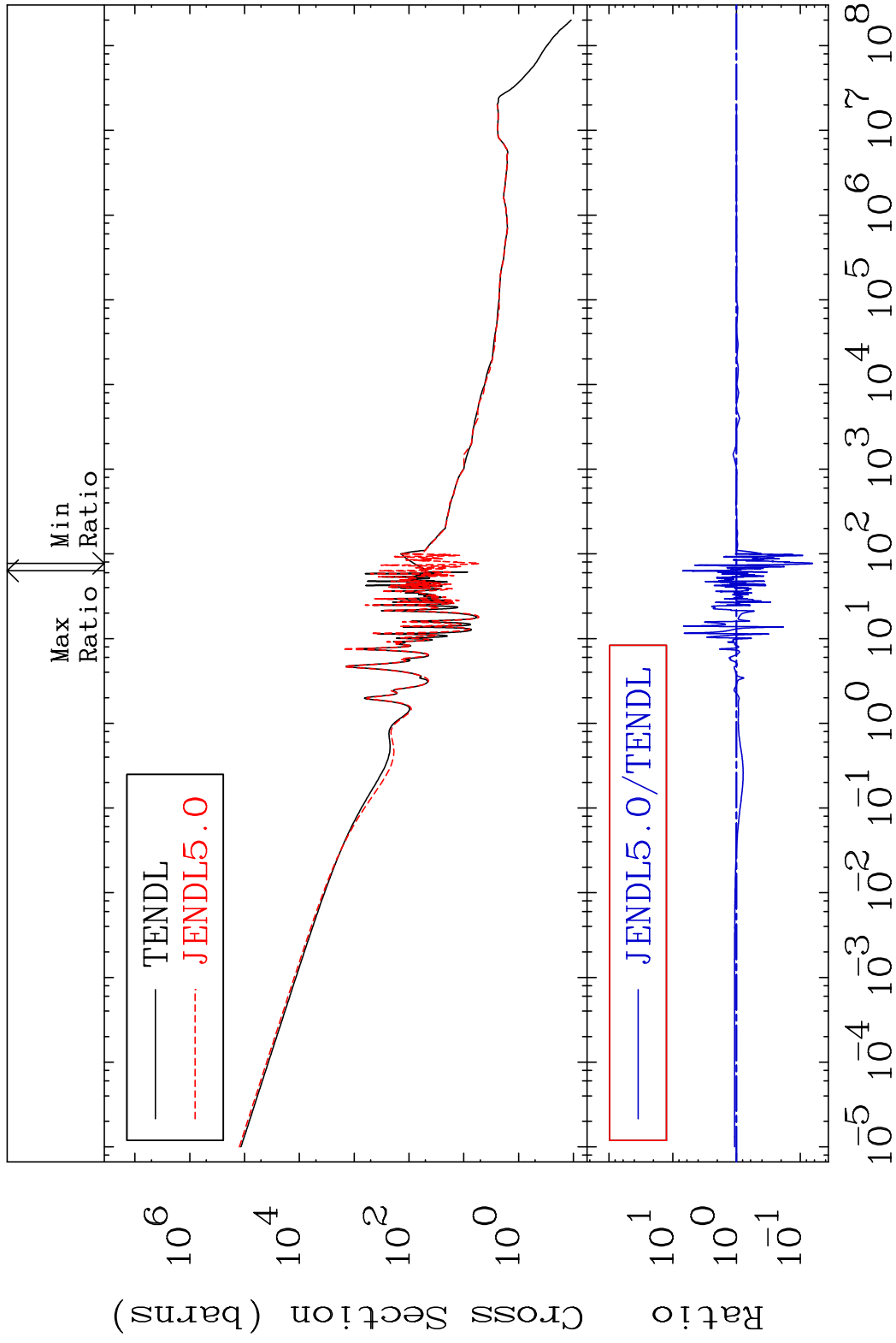
MAT 9640 (n,3n) 96-Cm-245  
 Cross Section -100.0 To 9999. %



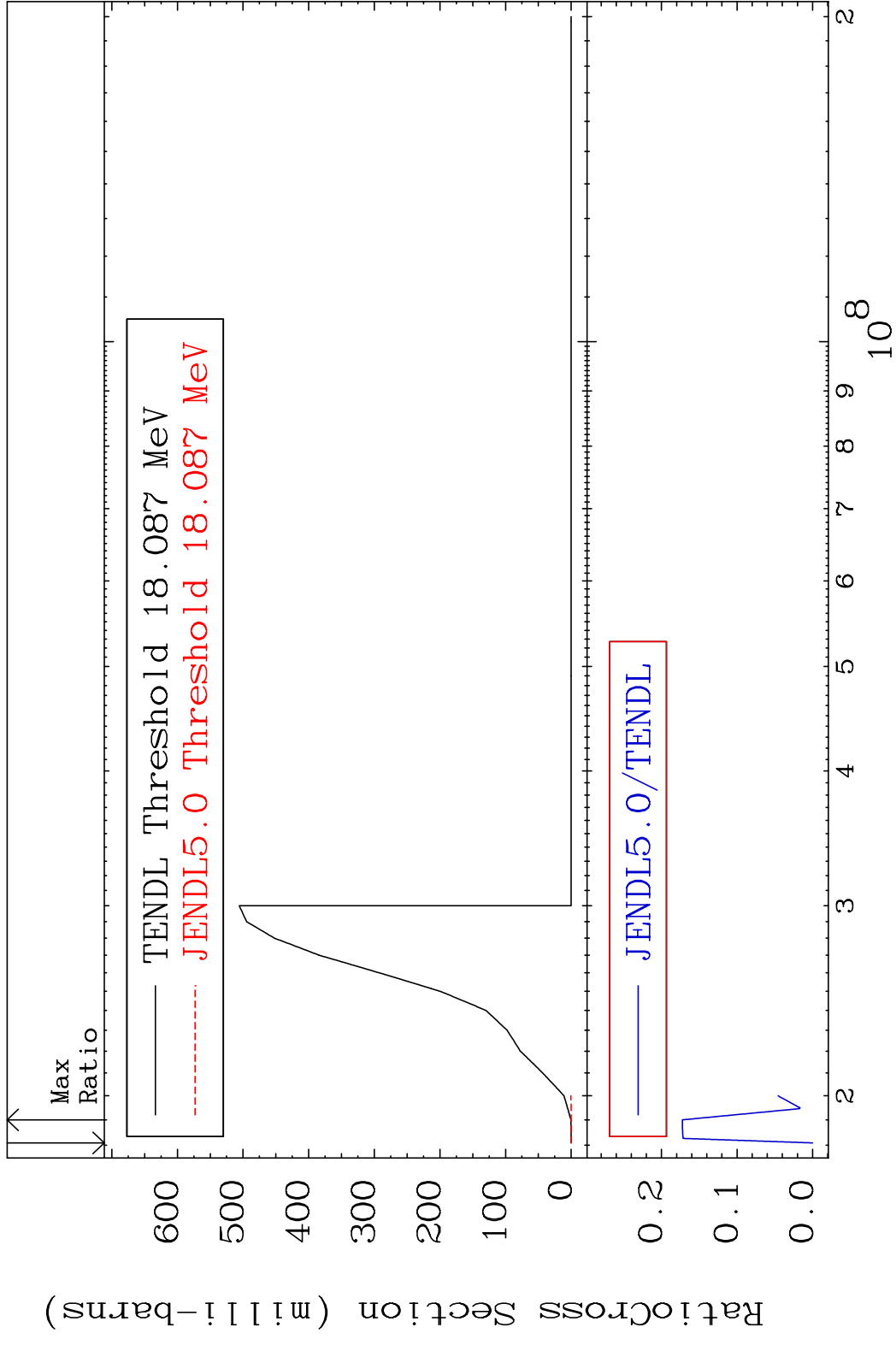
5 2 3 4 5 6 7 8 9 10<sup>8</sup> 2 96-Cm-245

MAT 9640

Fission Cross Section 96-Cm-245  
-93.58 To 606.6 %

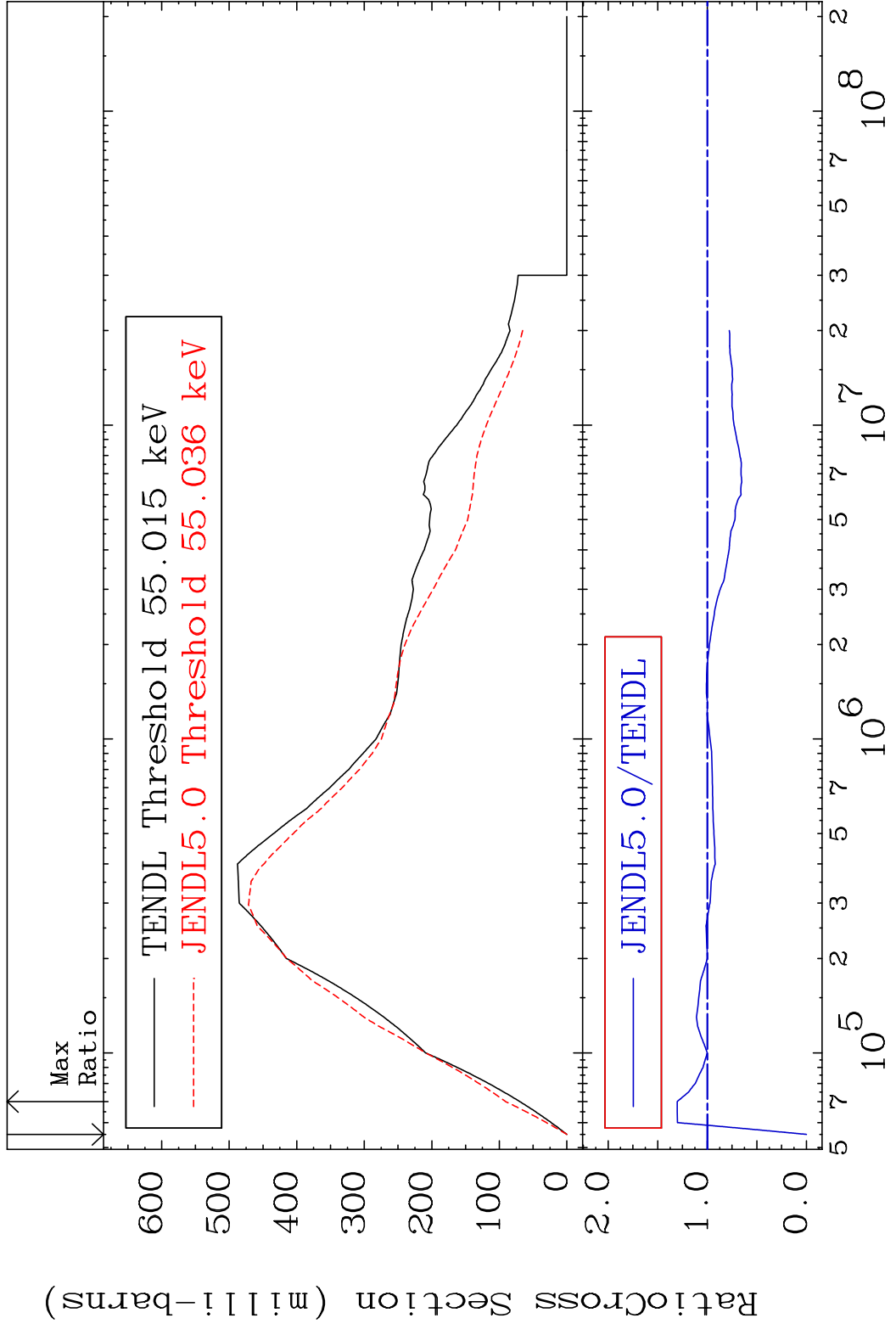


MAT 9640 (n,4n) 96-Cm-245  
 Cross Section -100.0 To -82.76%



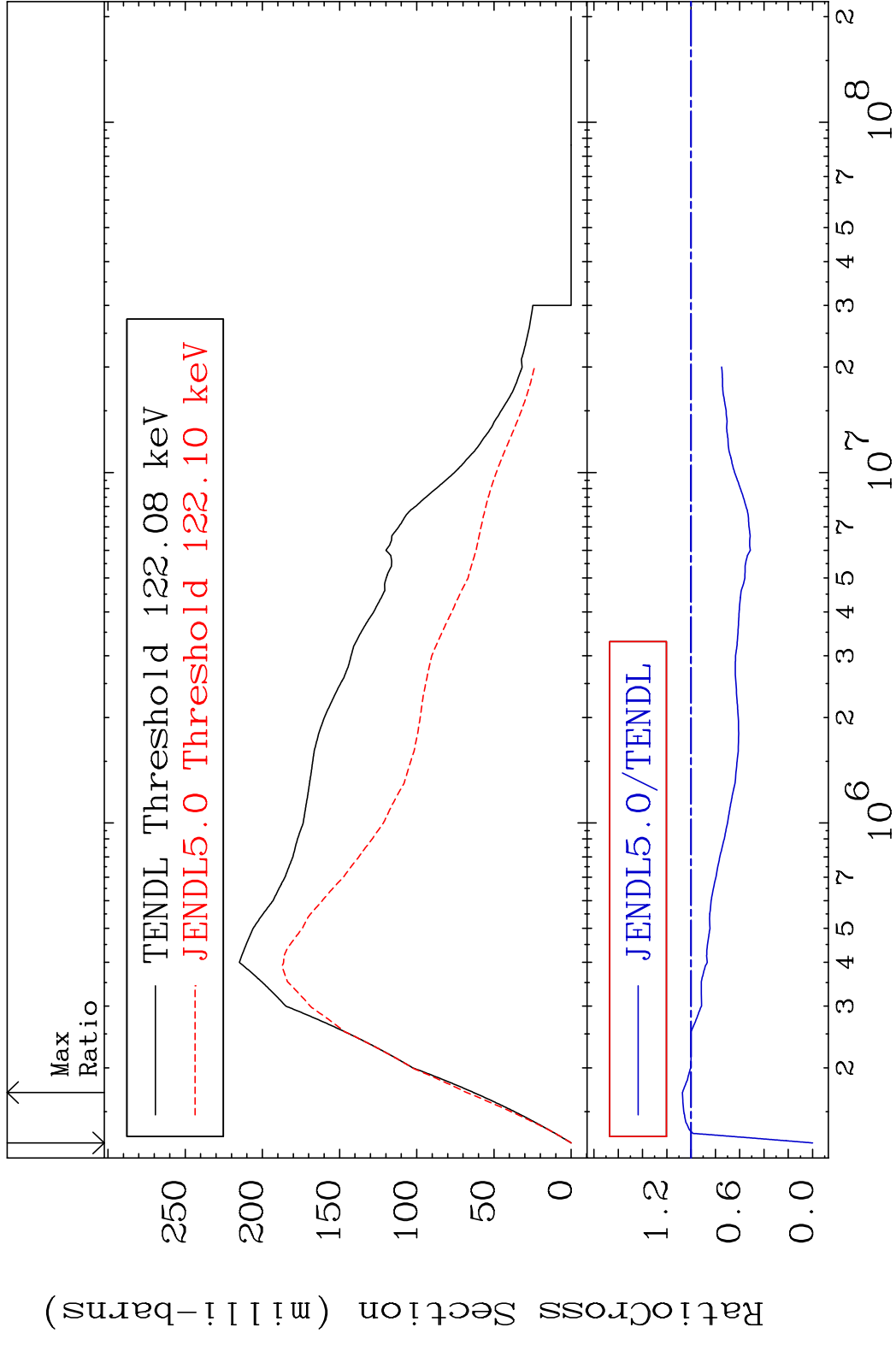


MAT 9640 MT= 51 (n, n') Level 96-Cm-245  
 Cross Section -100.0 To 30.34 %

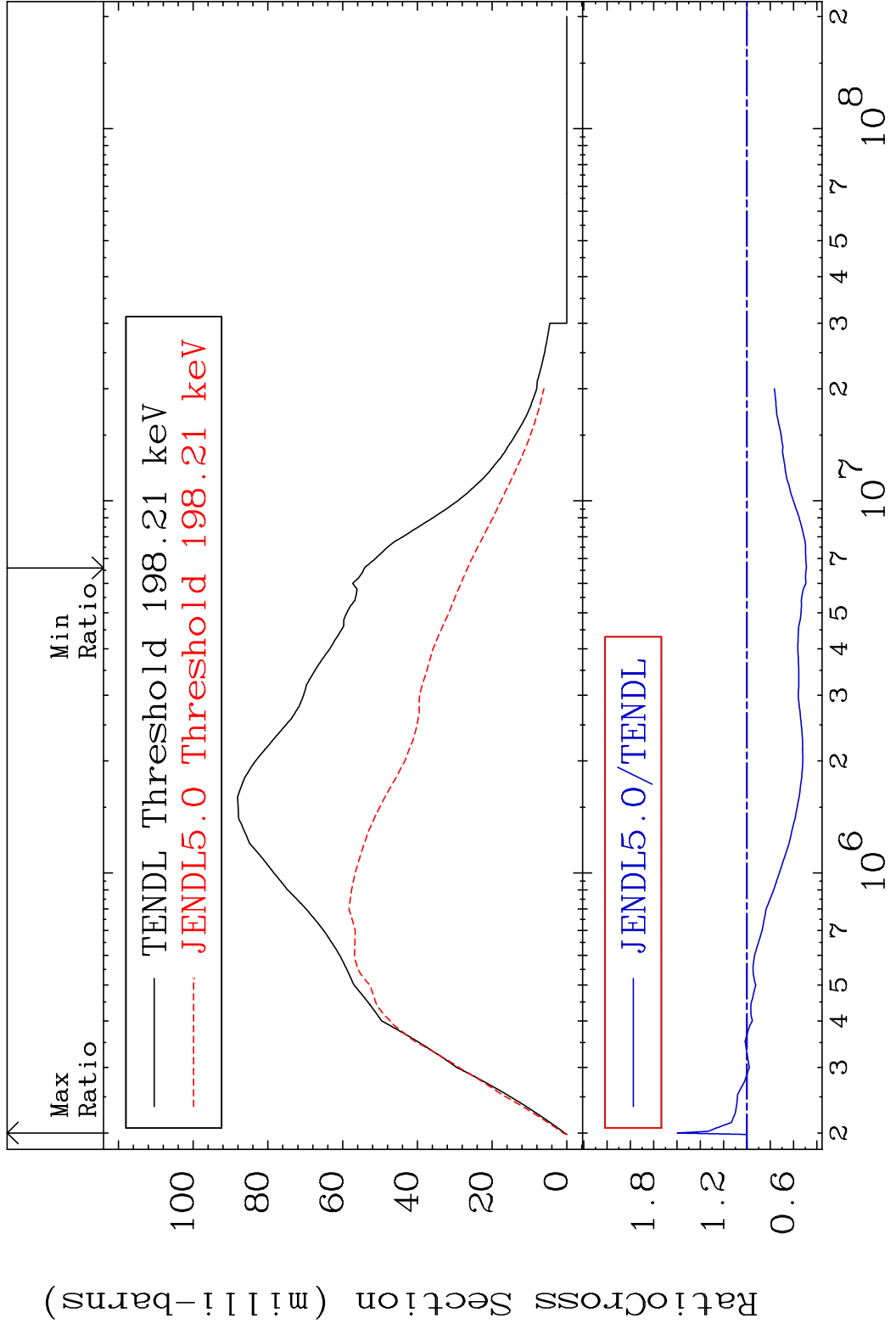


8 Incident Energy (eV) 96-Cm-245

MAT 9640 MT= 52 (n, n') Level 96-Cm-245  
 Cross Section -100.0 To 7.189 %

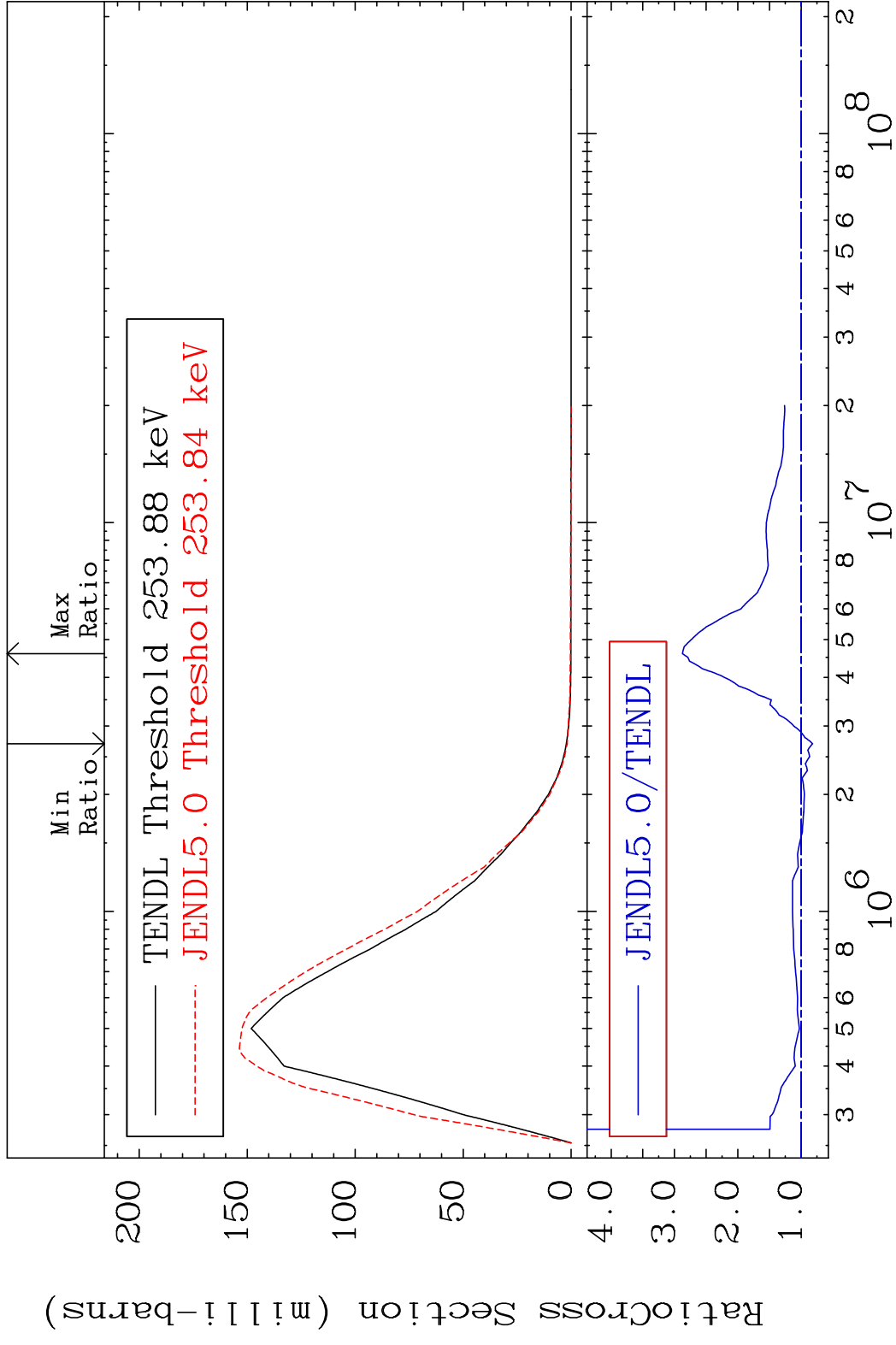


MAT 9640 MT= 53 (n, n') Level 96-Cm-245  
 Cross Section -51.00 To 59.90 %

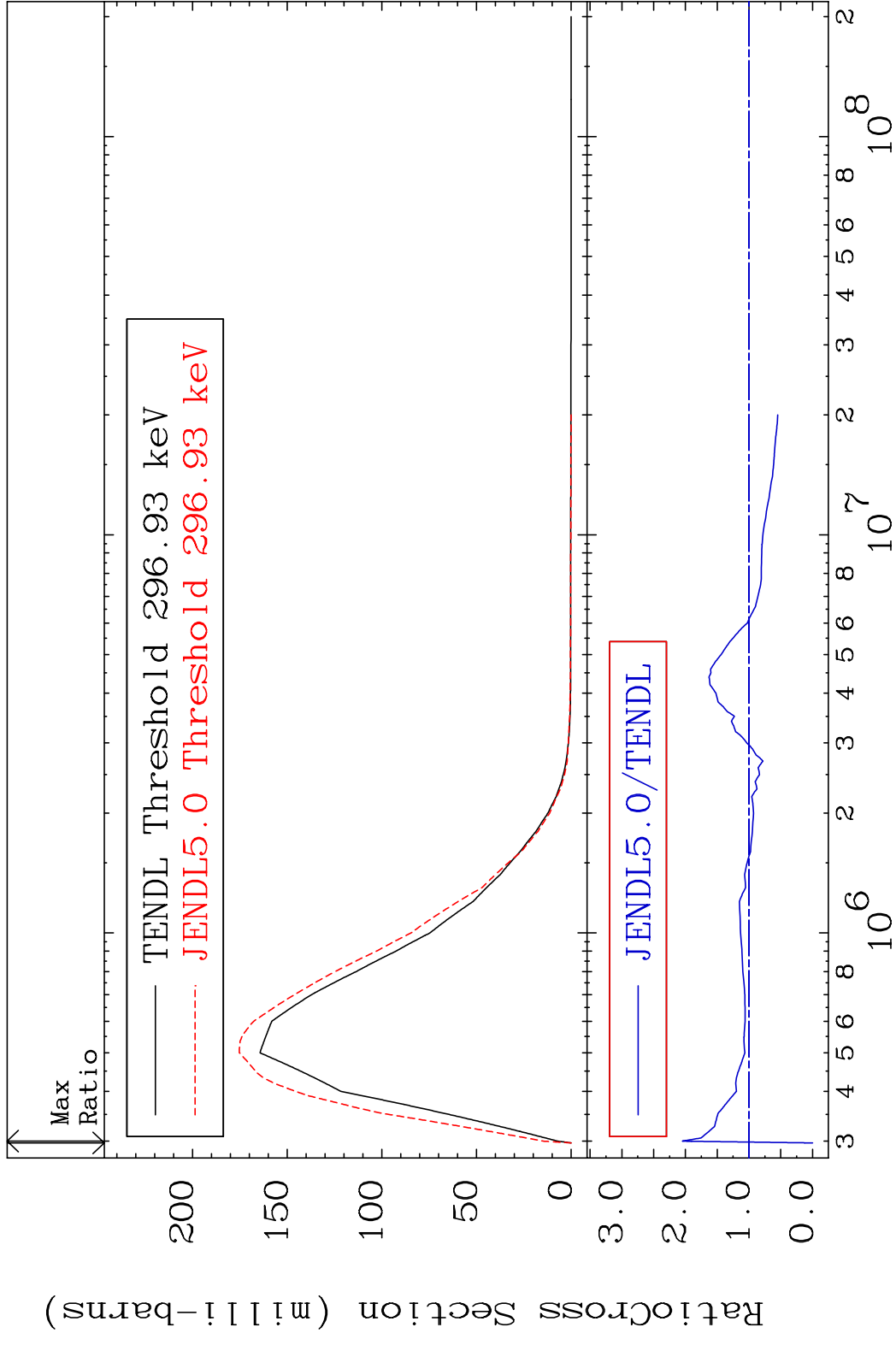


10 Incident Energy (eV) 96-Cm-245

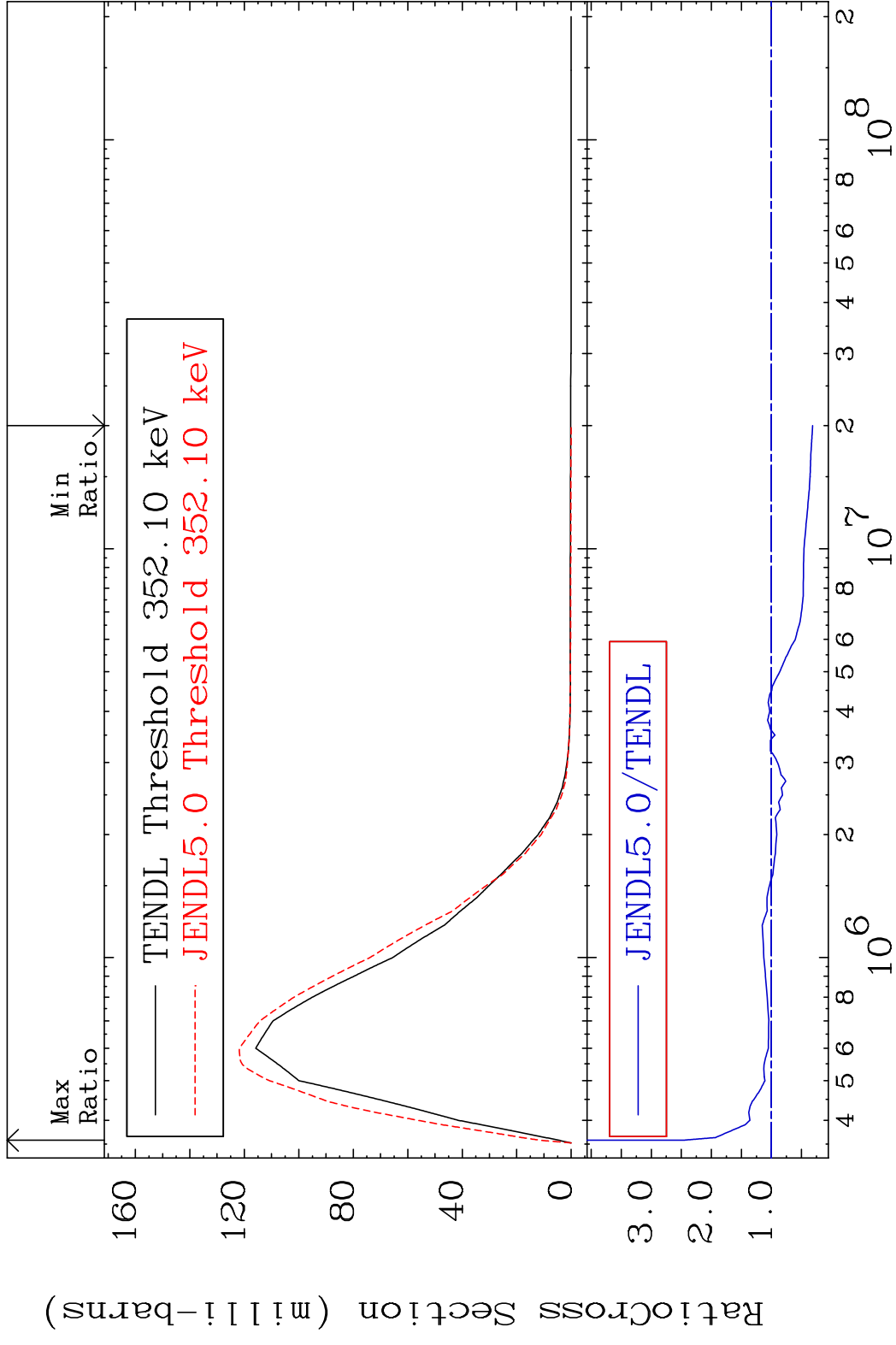
MAT 9640 MT= 54 (n, n') Level 96-Cm-245  
 Cross Section -18.00 To 187.6 %



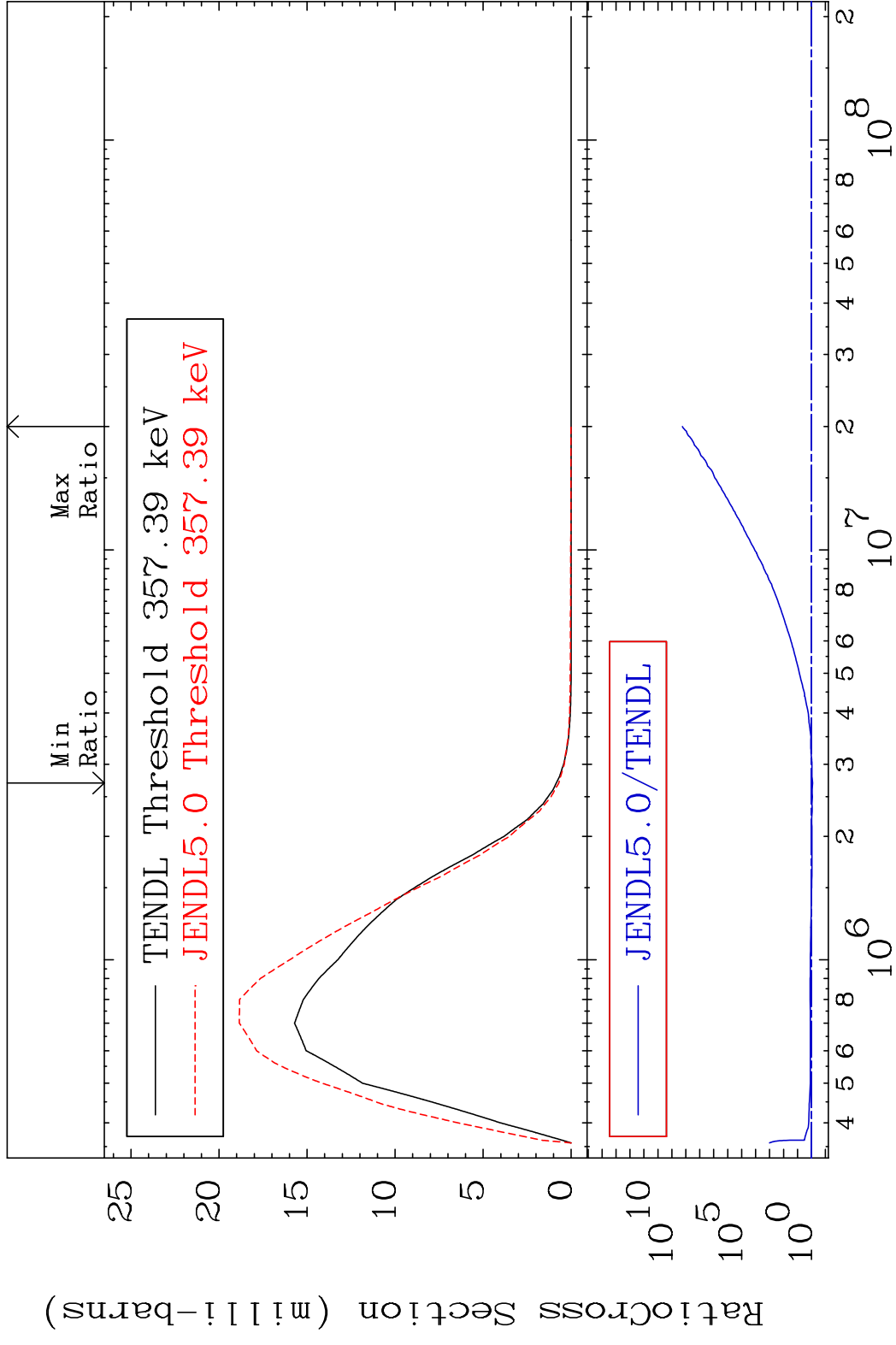
MAT 9640 MT= 55 (n,n') Level 96-Cm-245  
 Cross Section -100.0 To 104.9 %



MAT 9640 MT= 56 (n,n') Level 96-Cm-245  
 Cross Section -68.51 To 148.3 %

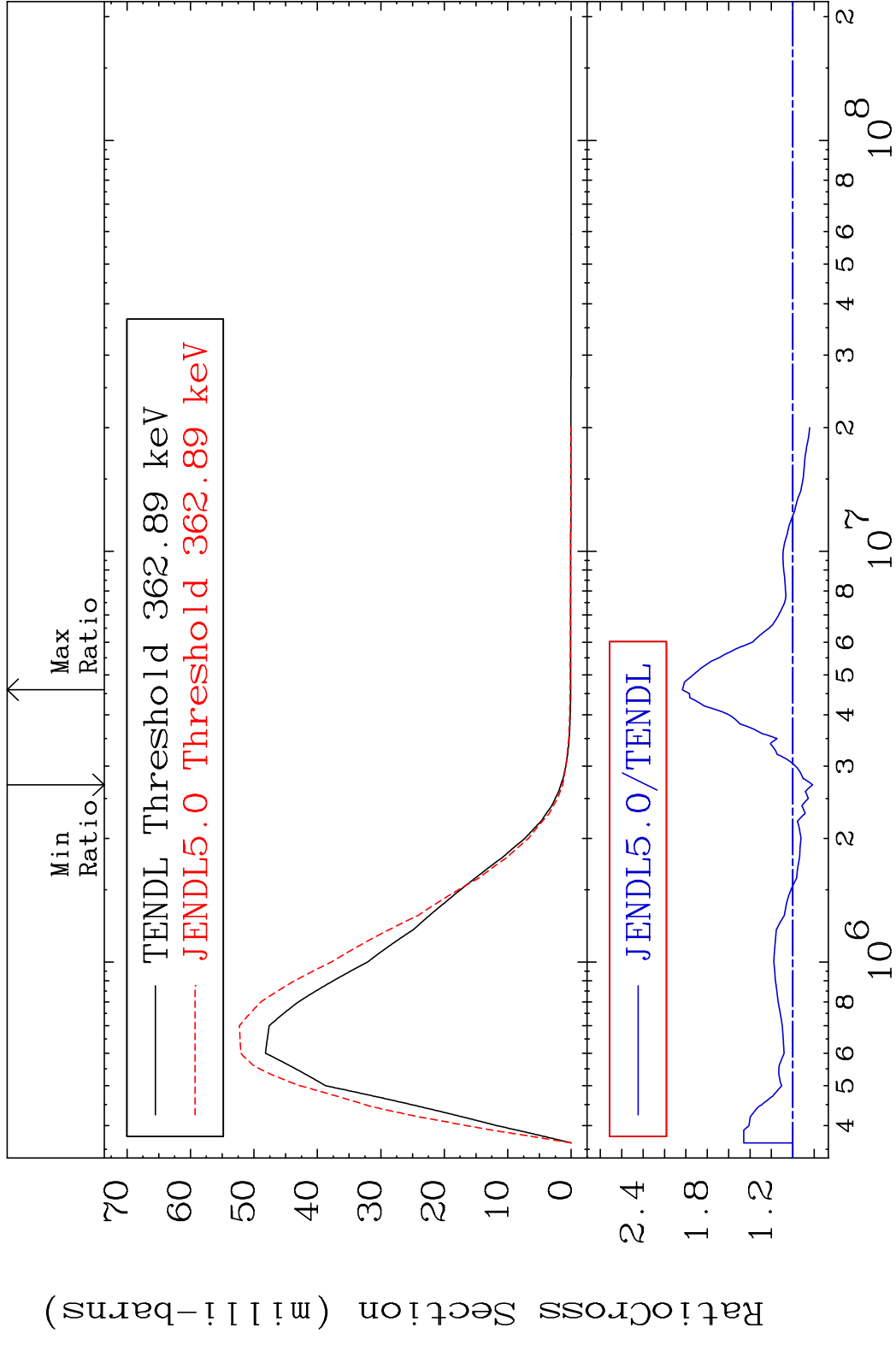


MAT 9640 MT= 57 (n,n') Level 96-Cm-245  
 Cross Section -16.43 To 9999. %



14 Incident Energy (eV) 96-Cm-245

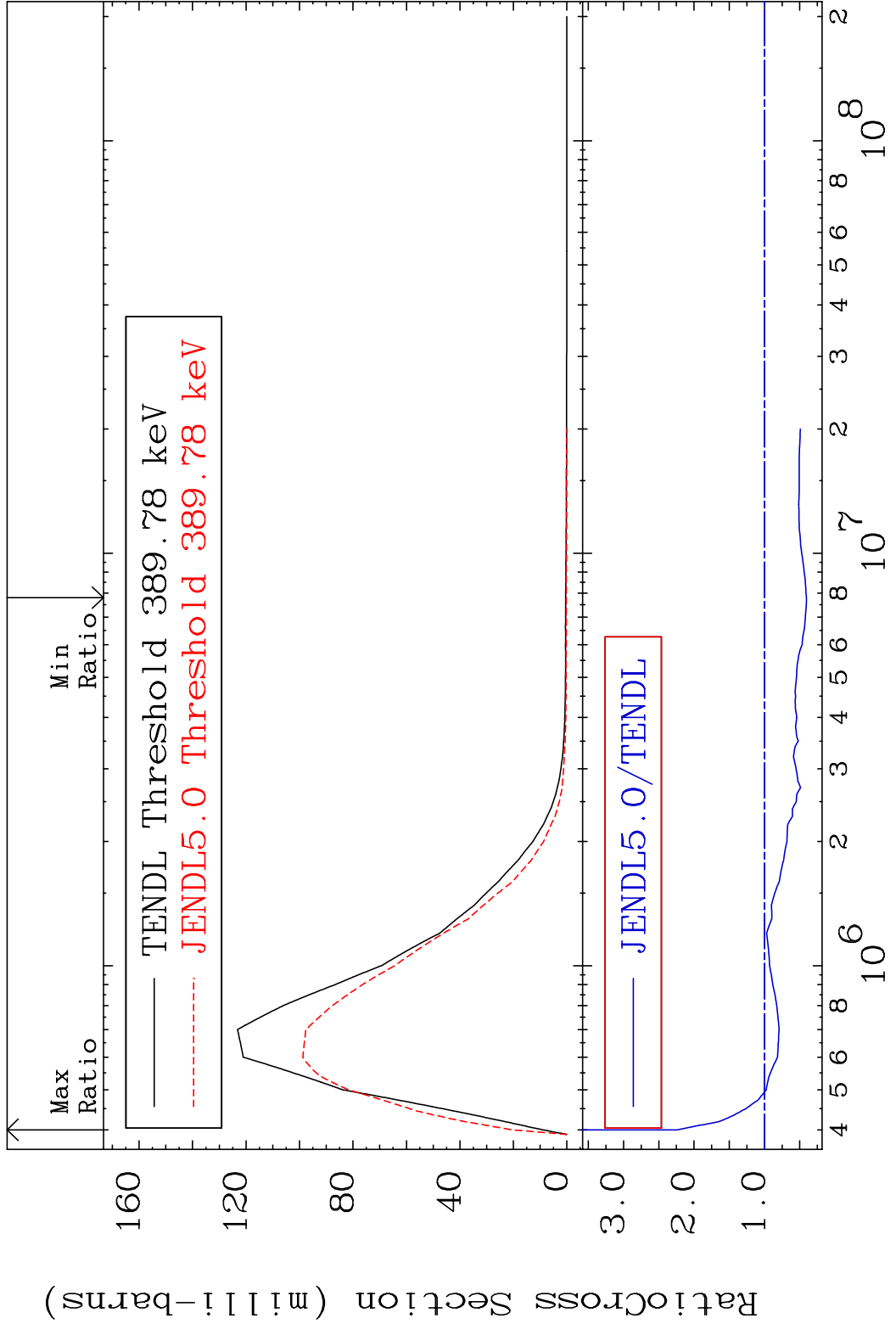
MAT 9640 MT= 58 (n,n') Level 96-Cm-245  
 Cross Section -18.46 To 103.3 %



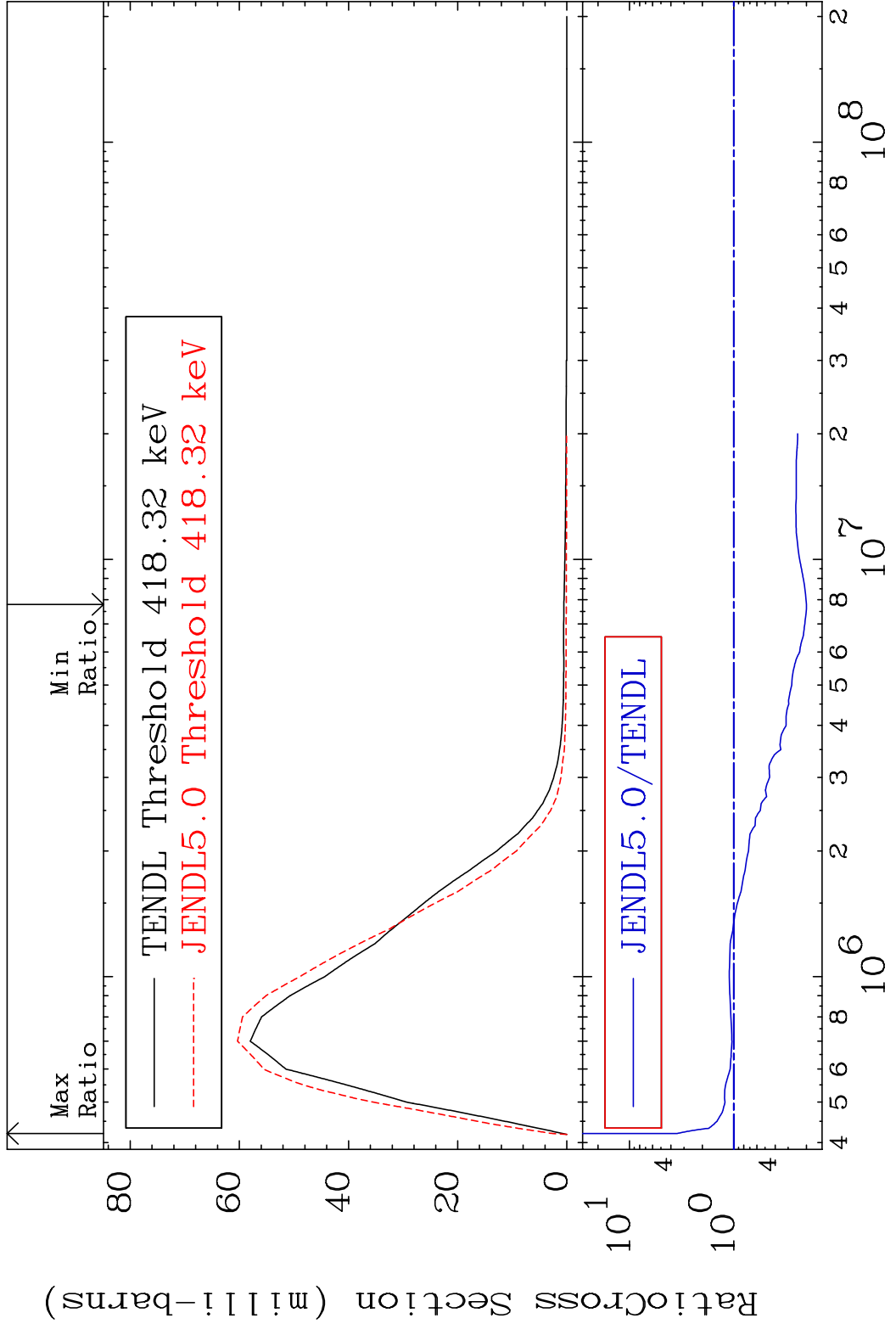
15 Incident Energy (eV) 96-Cm-245



MAT 9640 MT= 59 (n,n') Level 96-Cm-245  
 Cross Section -59.44 To 123.9 %

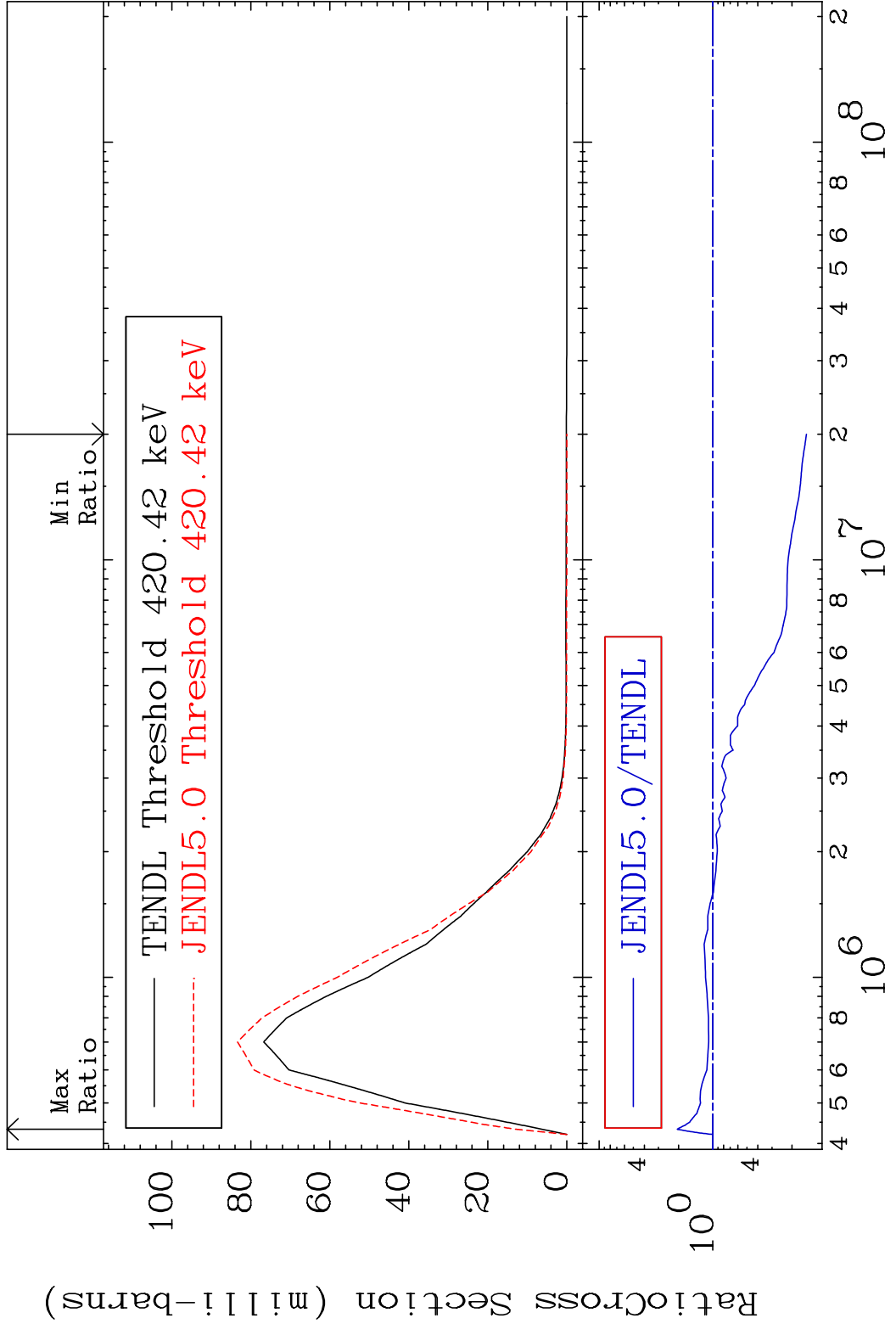


MAT 9640 MT= 60 (n,n') Level 96-Cm-245  
 Cross Section -79.93 To 248.4 %

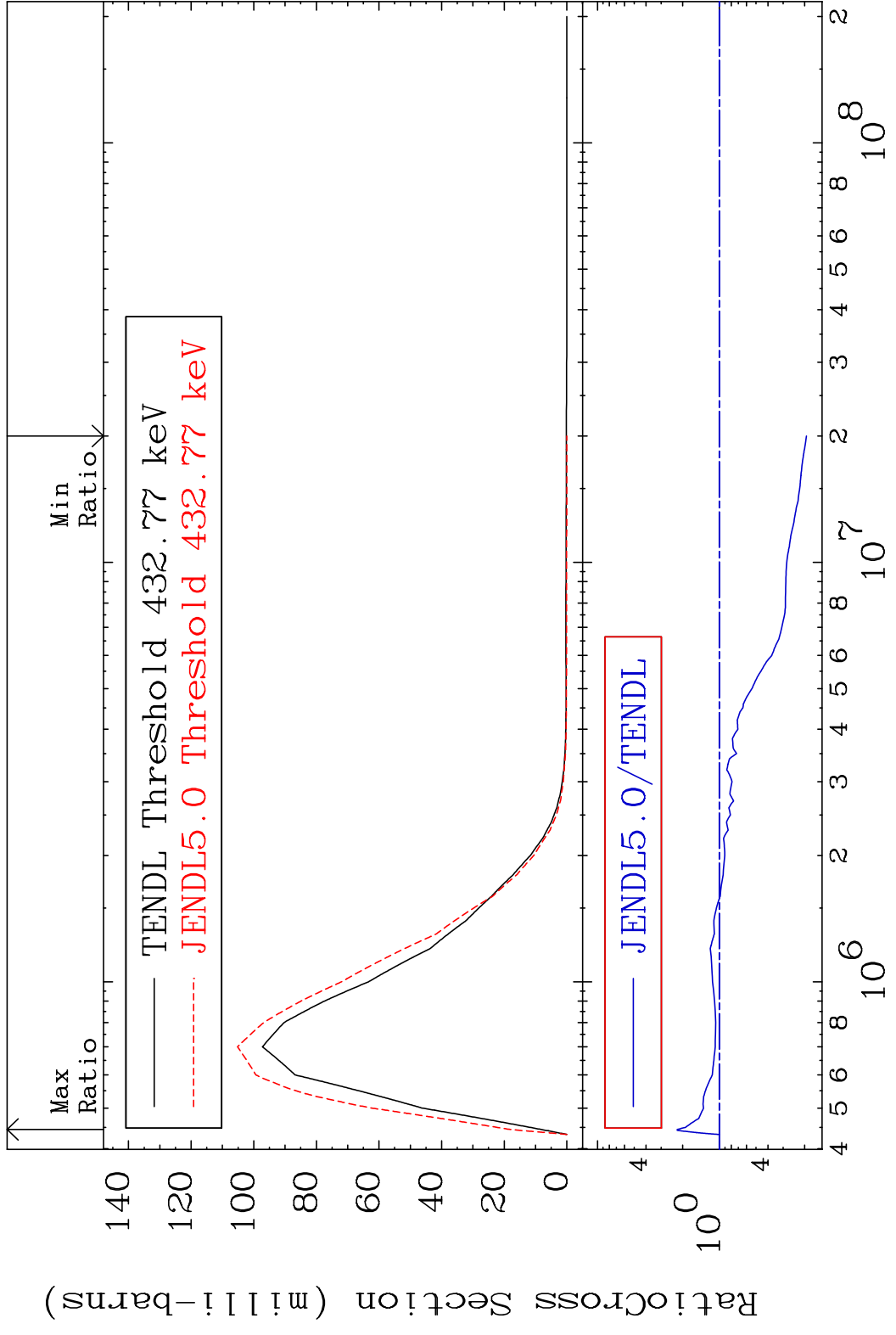


17 Incident Energy (eV) 96-Cm-245

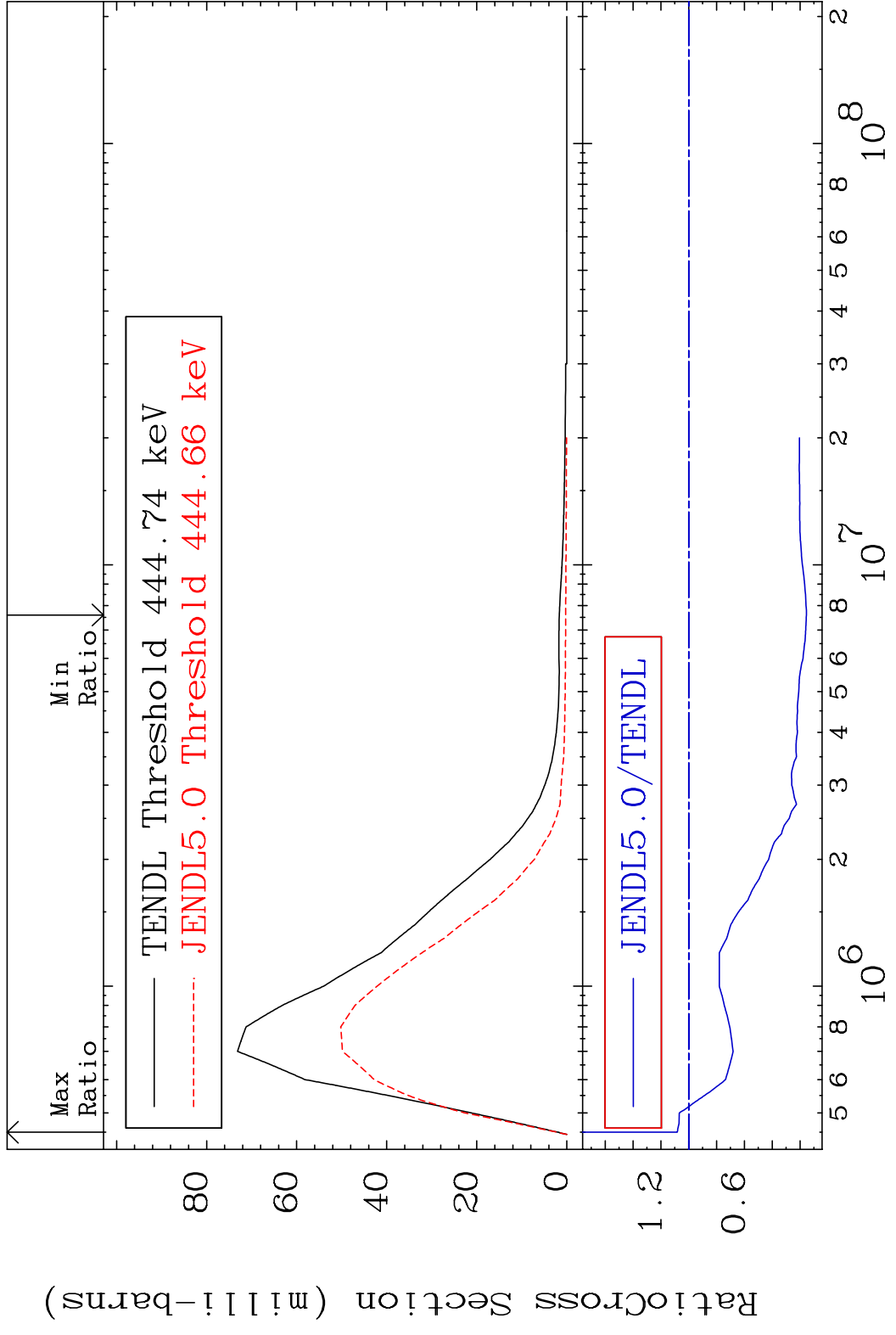
MAT 9640 MT= 61 (n, n') Level 96-Cm-245  
 Cross Section -85.08 To 105.5 %



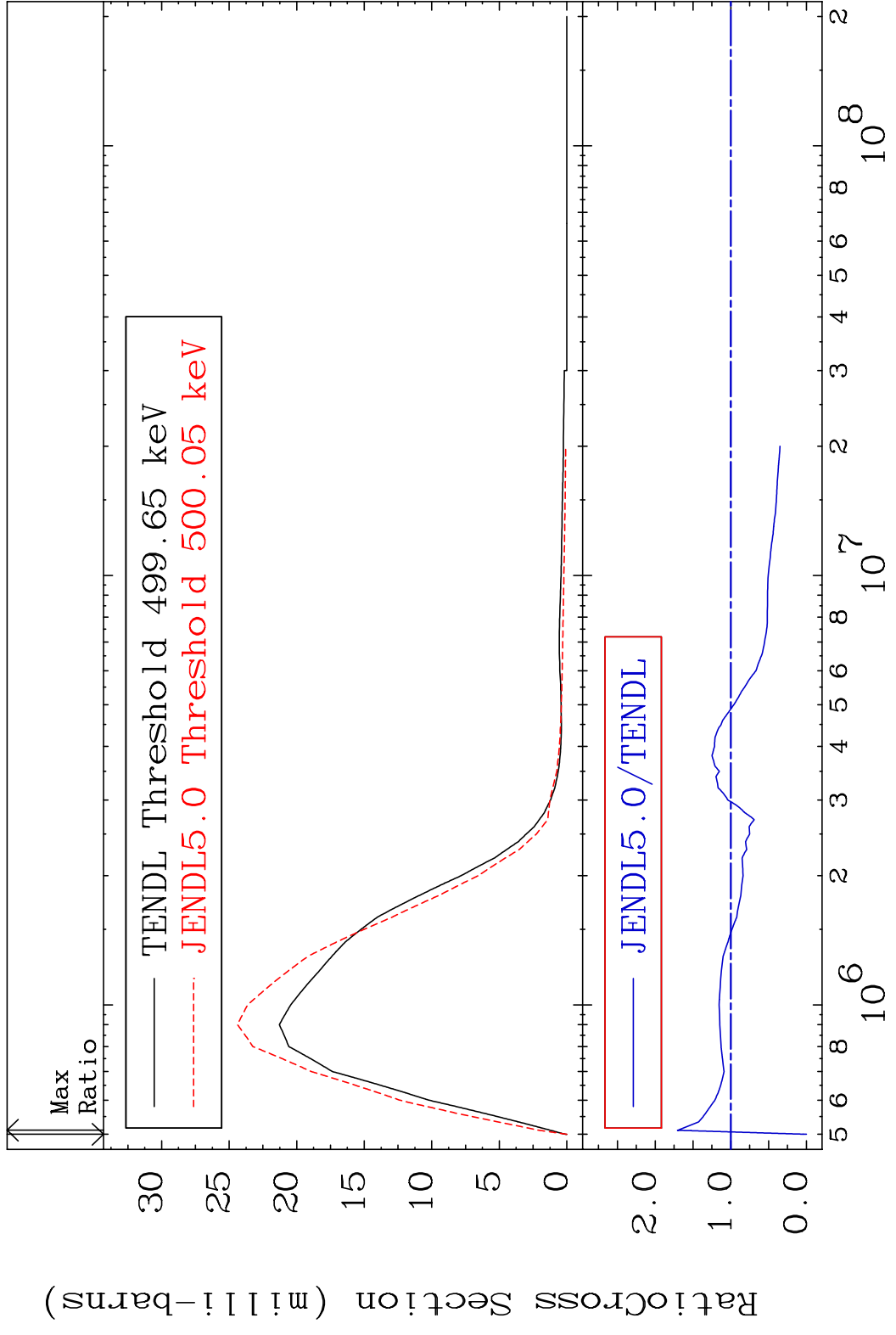
MAT 9640 MT= 62 (n,n') Level 96-Cm-245  
 Cross Section -80.68 To 122.0 %



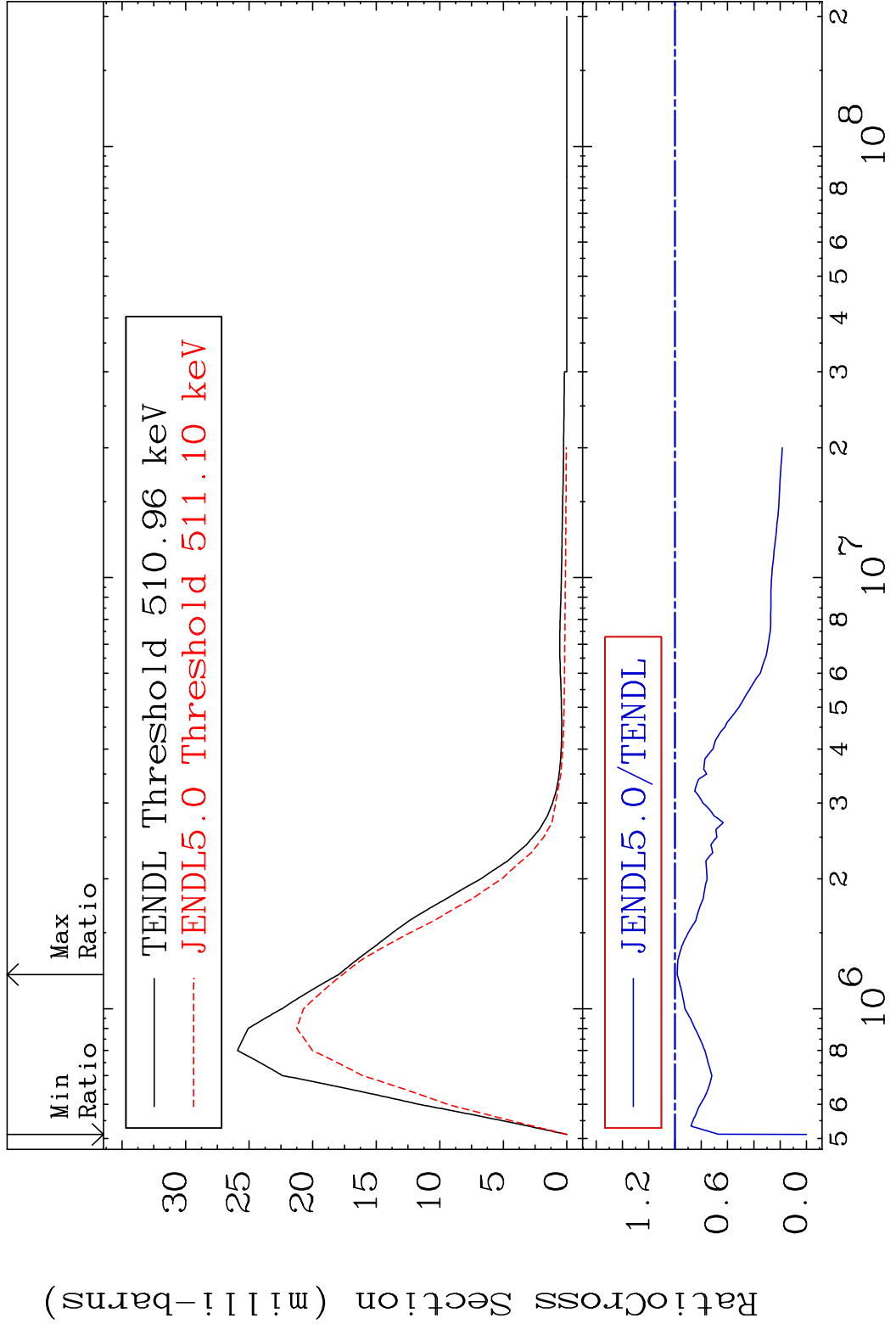
MAT 9640 MT= 63 (n, n') Level 96-Cm-245  
 Cross Section -84.58 To 8.265 %



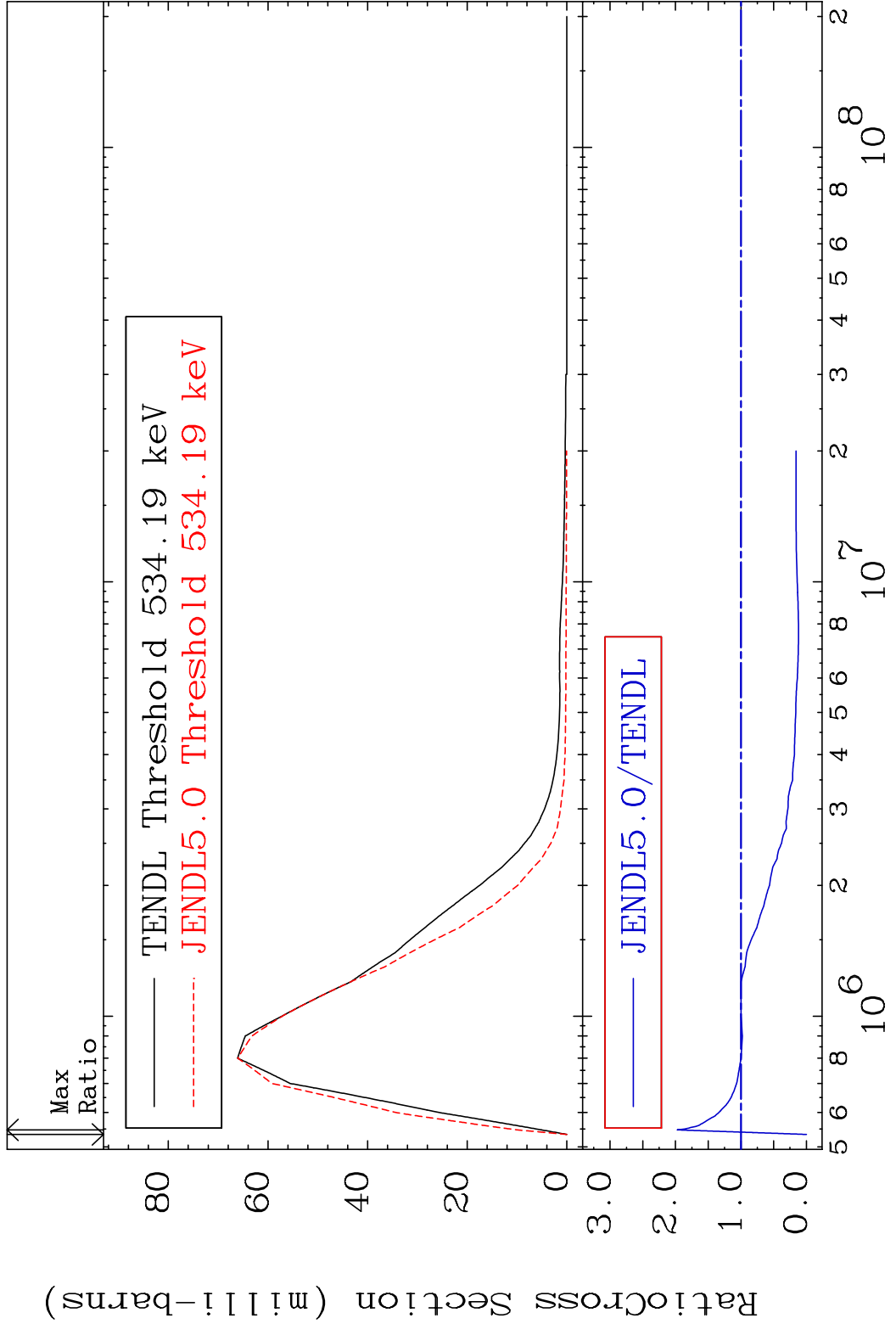
MAT 9640 MT= 64 (n,n') Level 96-Cm-245  
 Cross Section -100.0 To 70.96 %



MAT 9640 MT= 65 (n,n') Level 96-Cm-245  
 Cross Section -100.0 To -1.669%

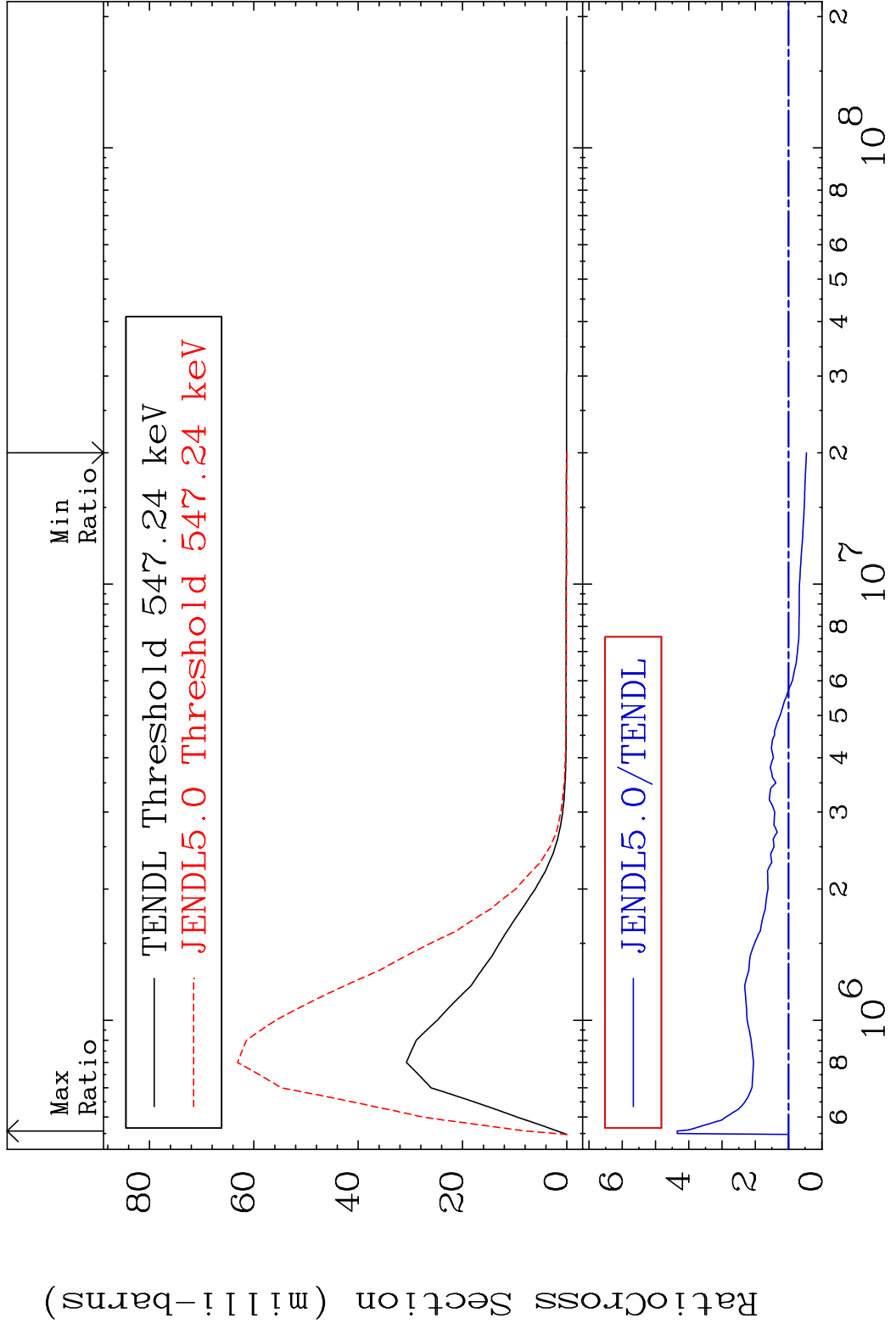


MAT 9640 MT= 66 (n,n') Level 96-Cm-245  
 Cross Section -100.0 To 97.45 %

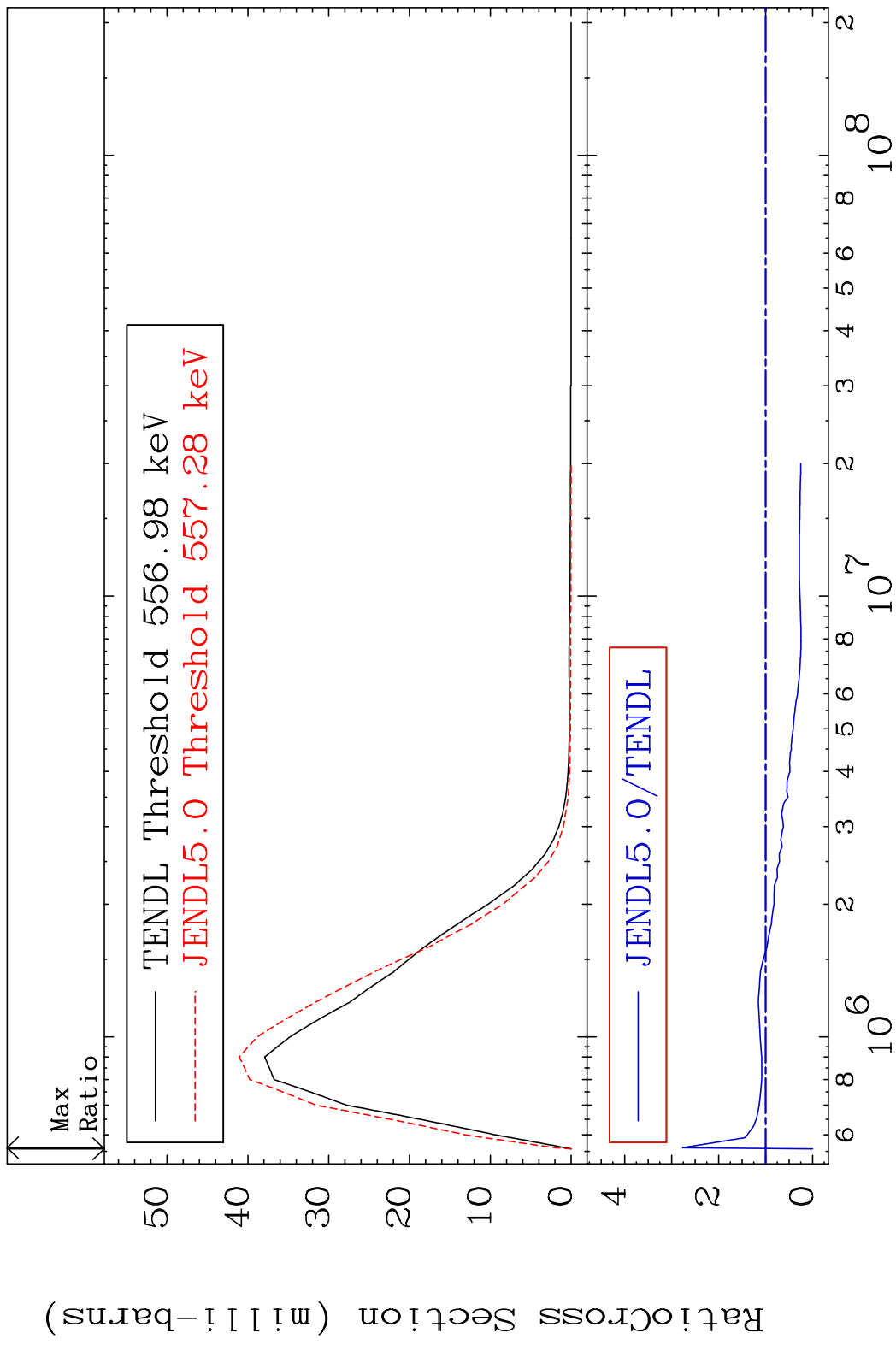




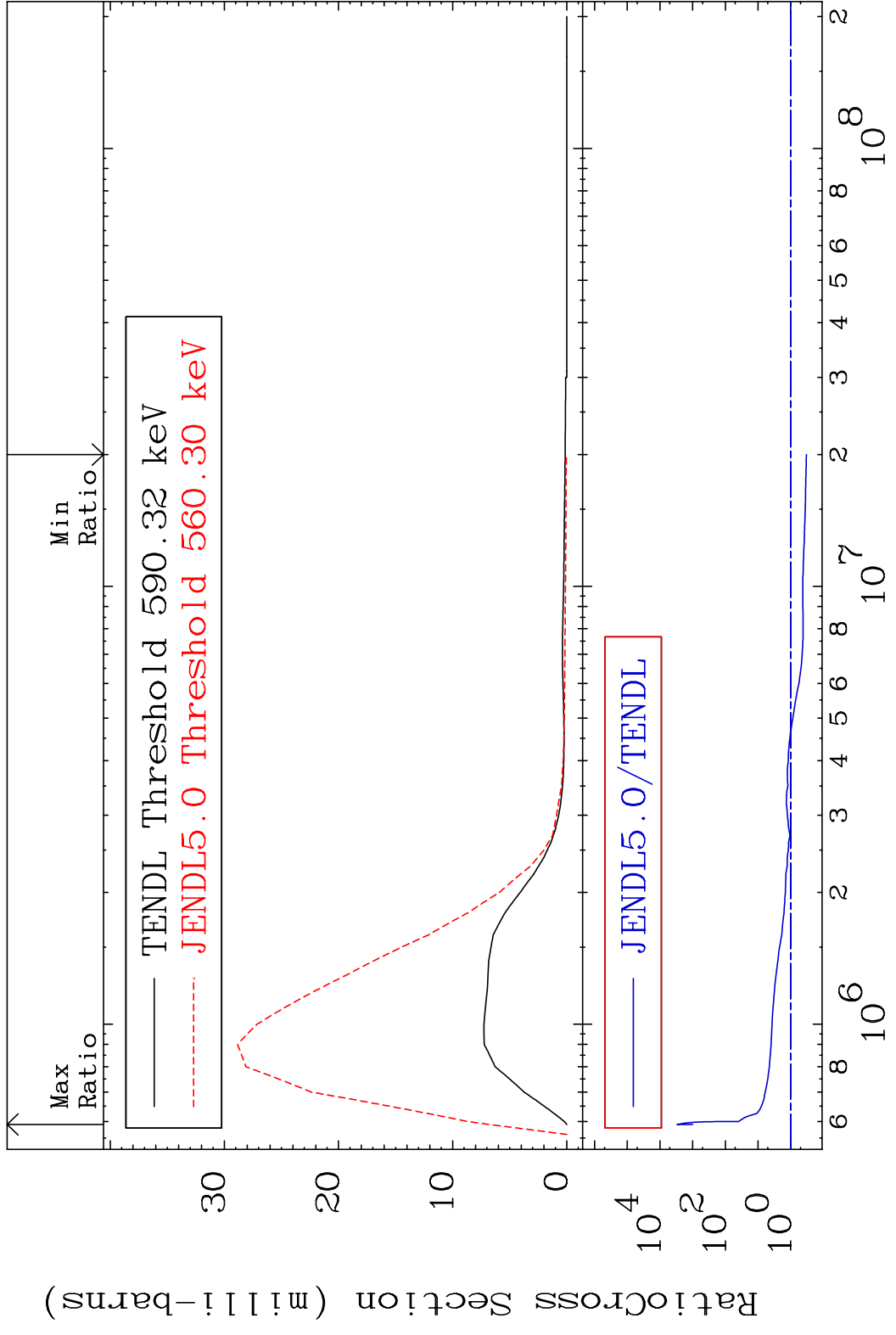
MAT 9640 MT= 67 (n, n') Level 96-Cm-245  
 Cross Section -53.63 To 334.8 %



MAT 9640 MT= 68 (n, n') Level 96-Cm-245  
 Cross Section -100.0 To 177.1 %

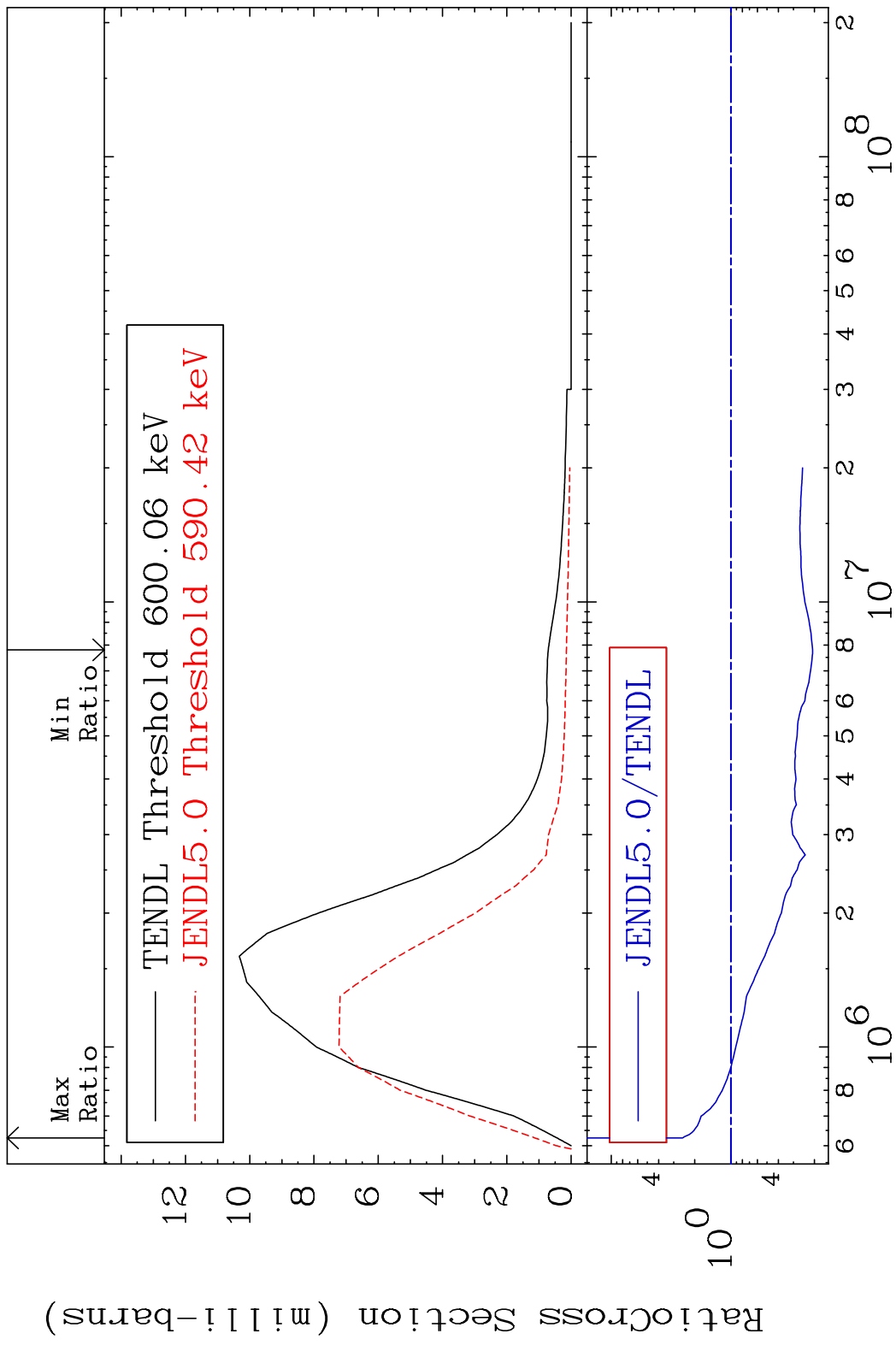


MAT 9640 MT= 69 (n, n') Level 96-Cm-245  
 Cross Section -67.00 To 9999. %

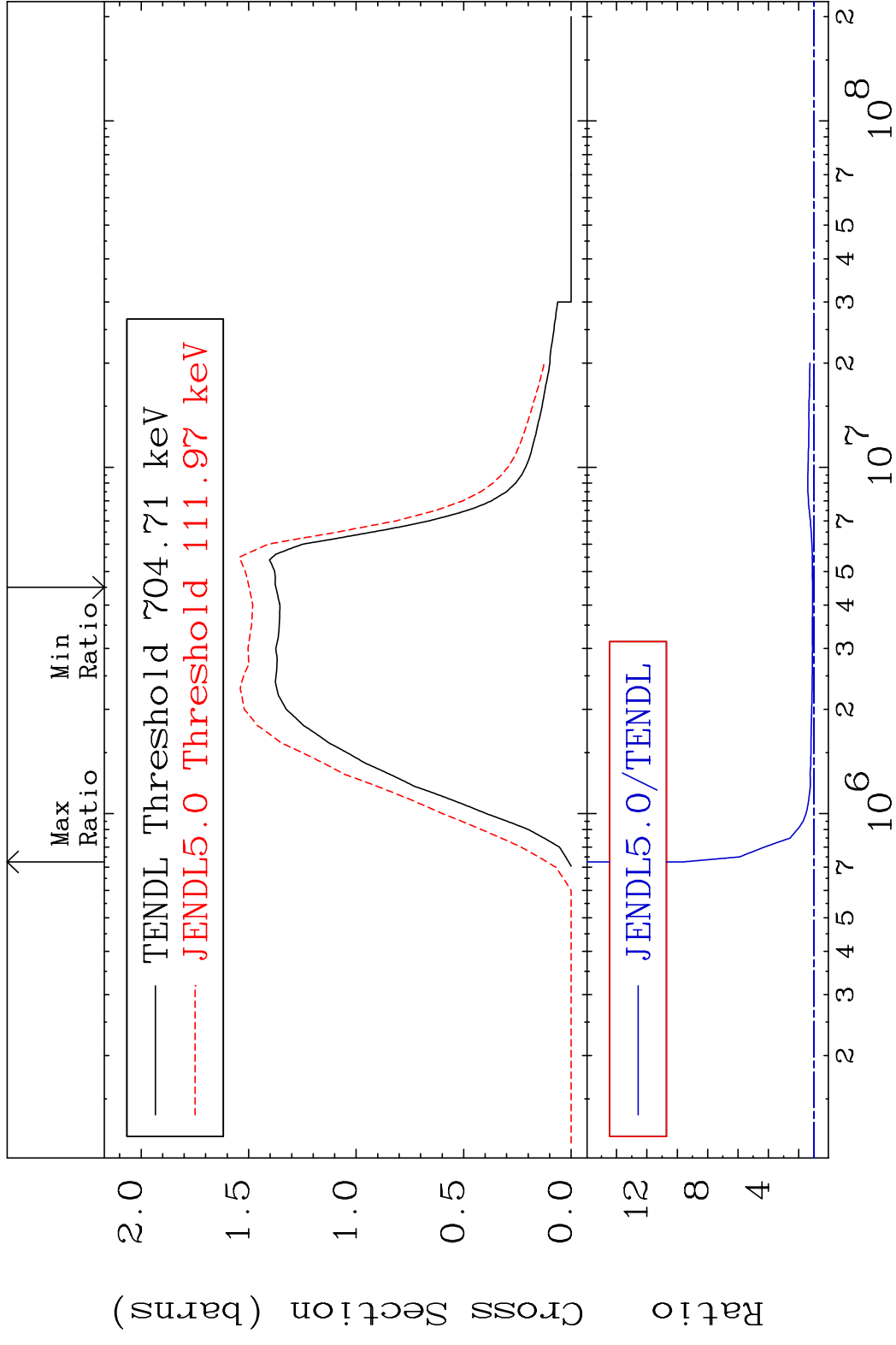


26 Incident Energy (eV) 96-Cm-245

MAT 9640 MT= 70 (n,n') Level 96-Cm-245  
 Cross Section -79.23 To 154.2 %



MAT 9640 (n, n') Continuum 96-Cm-245  
 Cross Section 9.046 To 866.6 %

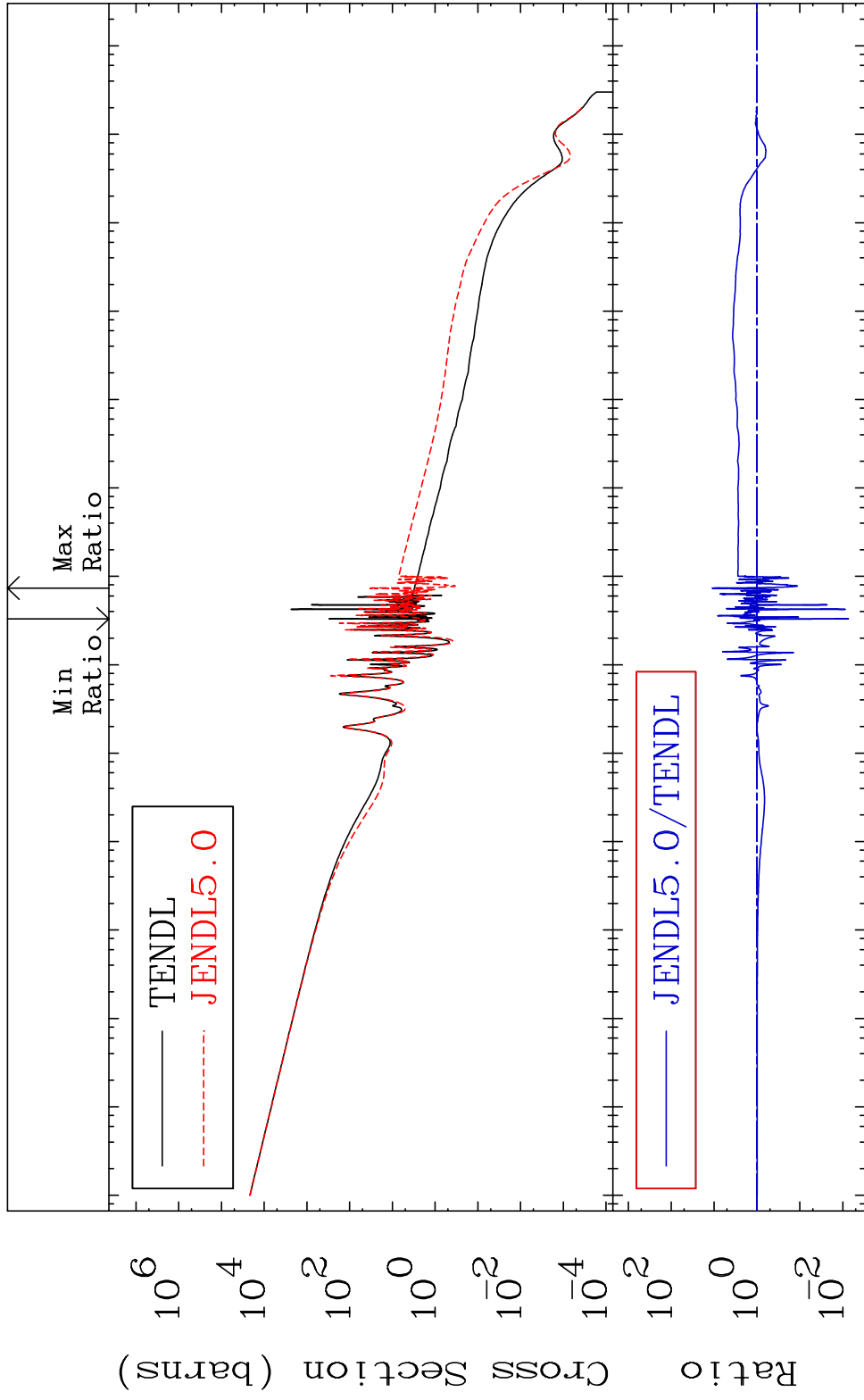


MAT 9640

(n,  $\gamma$ )

96-Cm-245

Cross Section -99.26 To 999.0 %

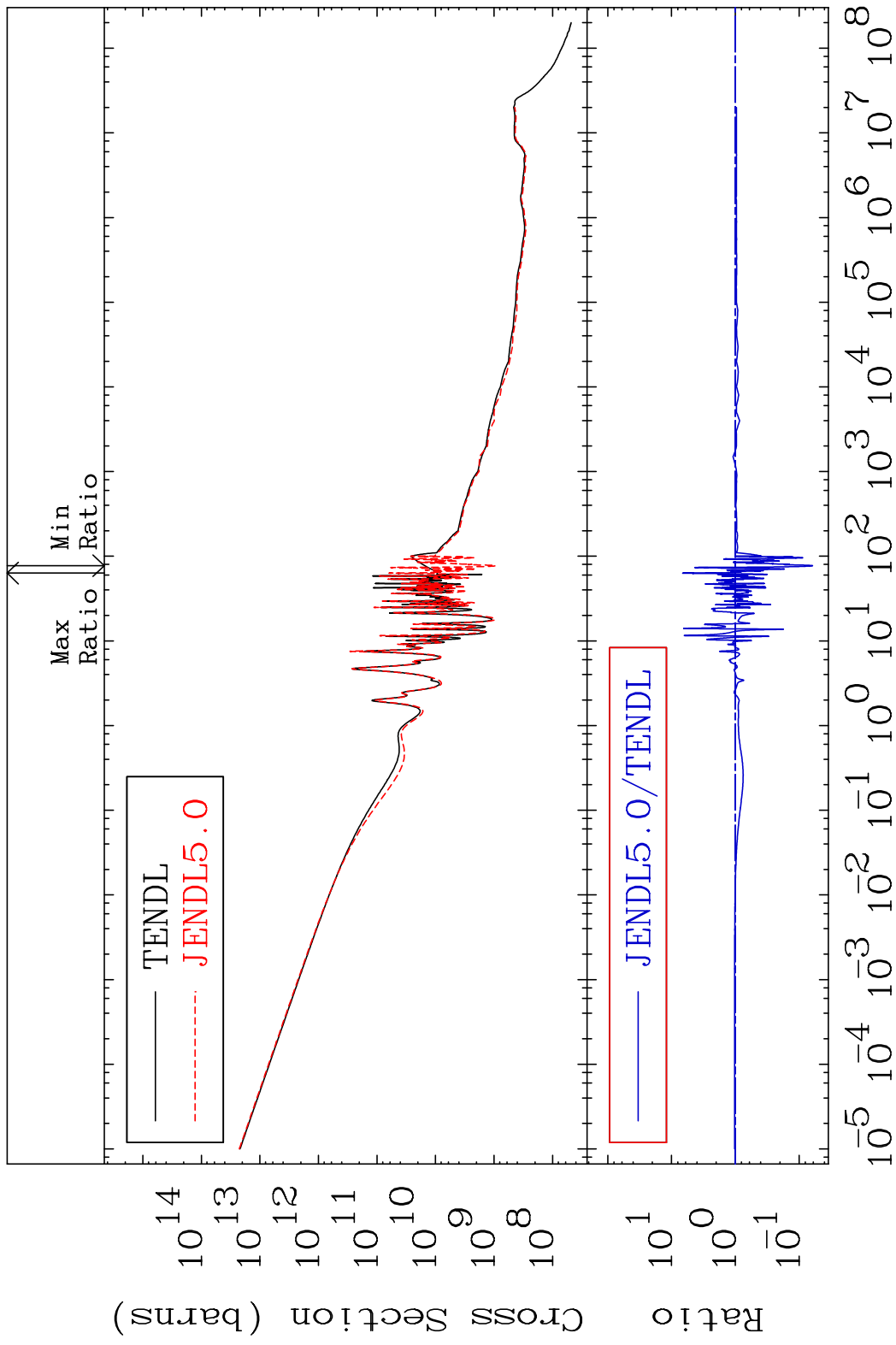


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Incident Energy (eV)

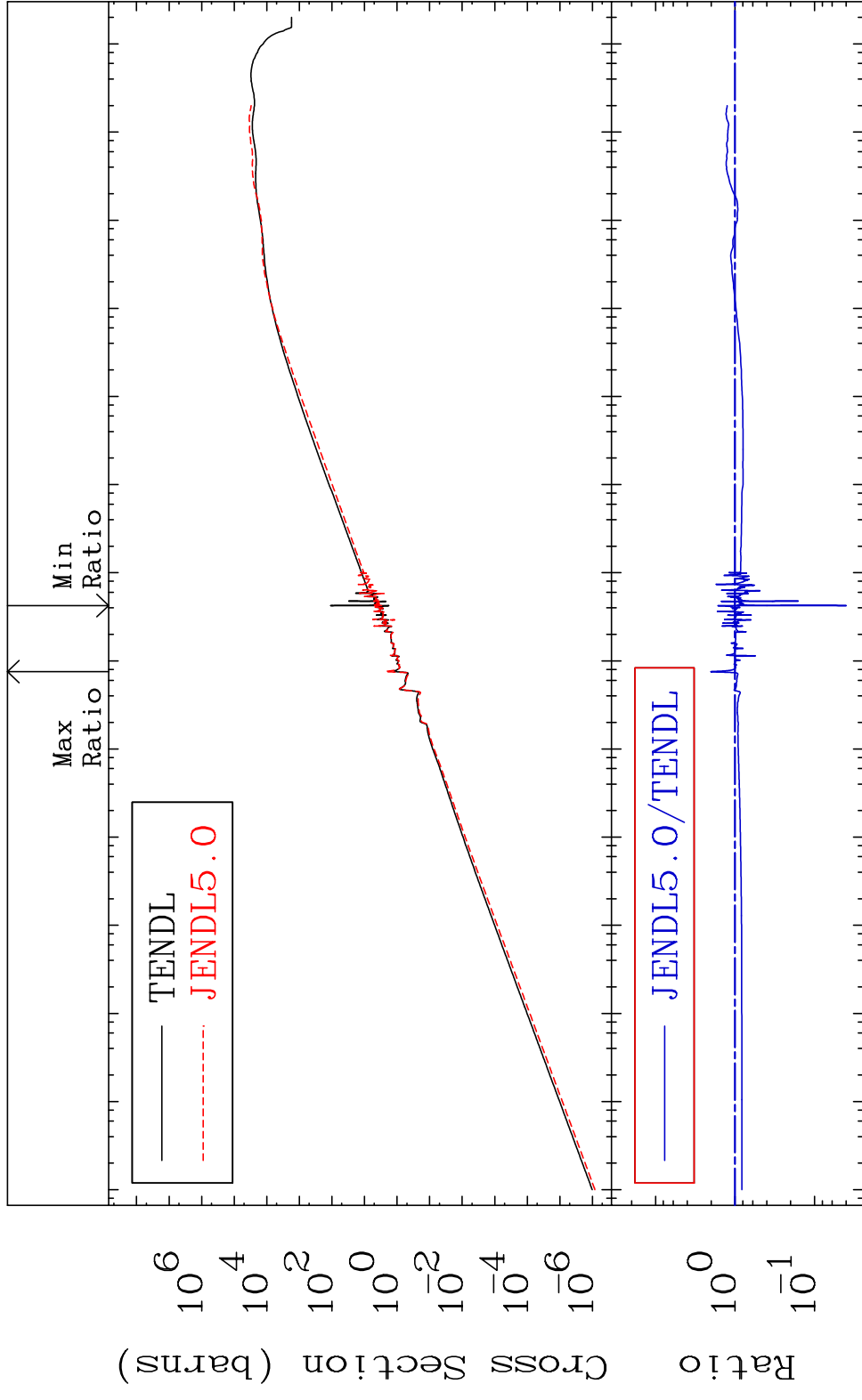
96-Cm-245

MAT 9640 Kerma total (eV-barns) 96-Cm-245  
Cross Section -93.85 To 576.6 %



30 Incident Energy (eV) 96-Cm-245

MAT 9640 Kerma elastic 96-Cm-245  
 Cross Section -96.01 To 102.5 %

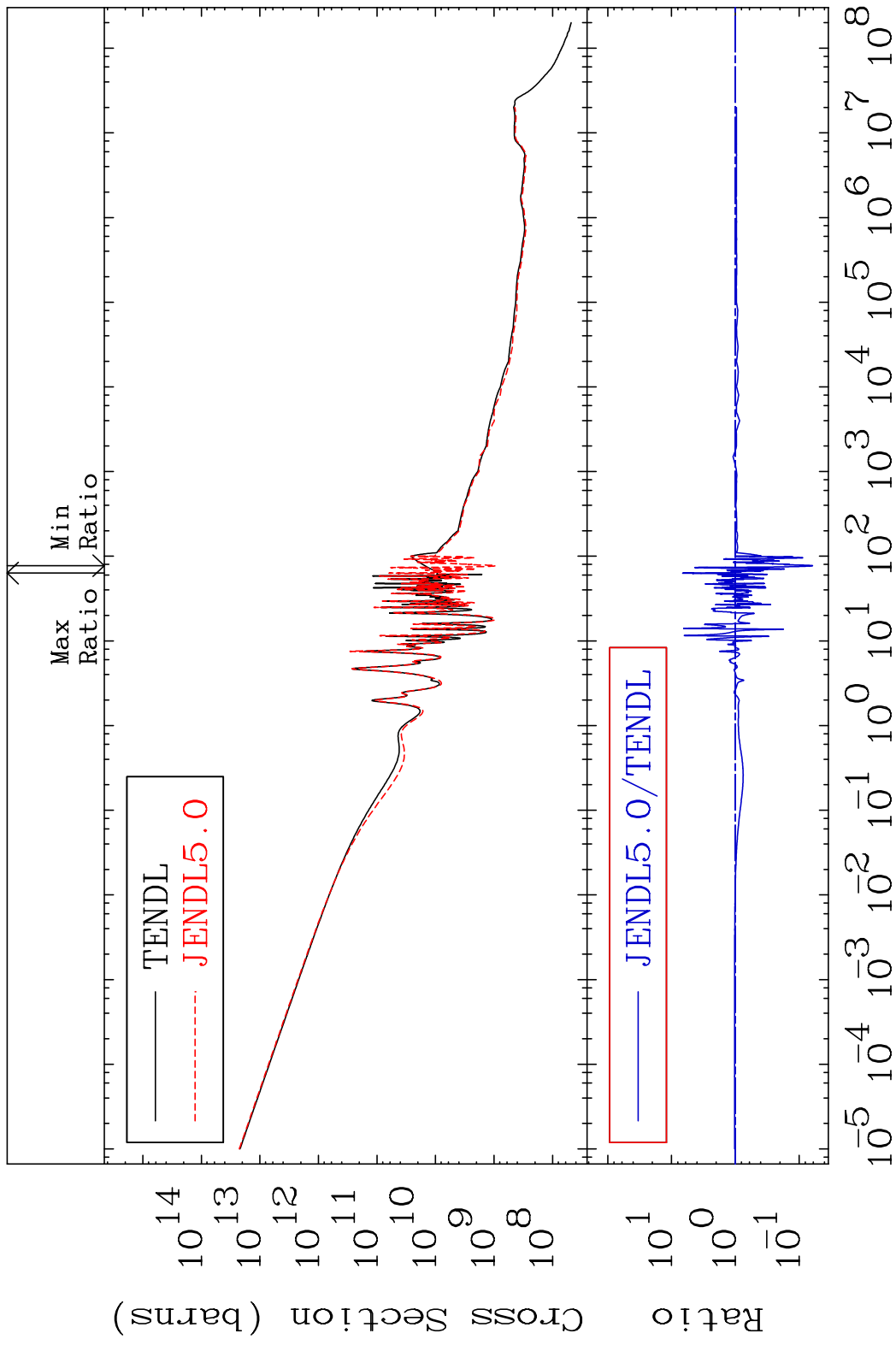


10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

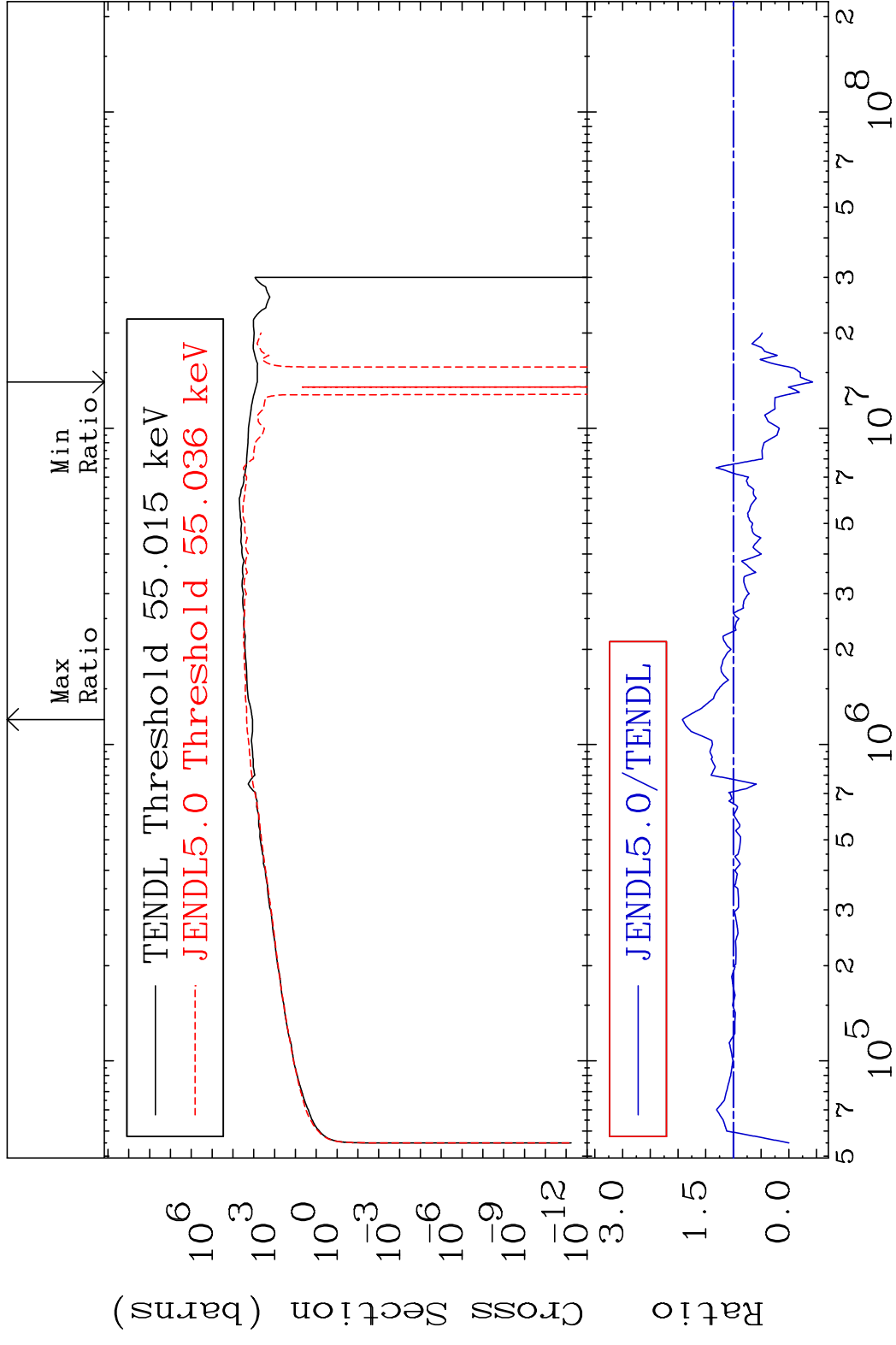
Incident Energy (eV)



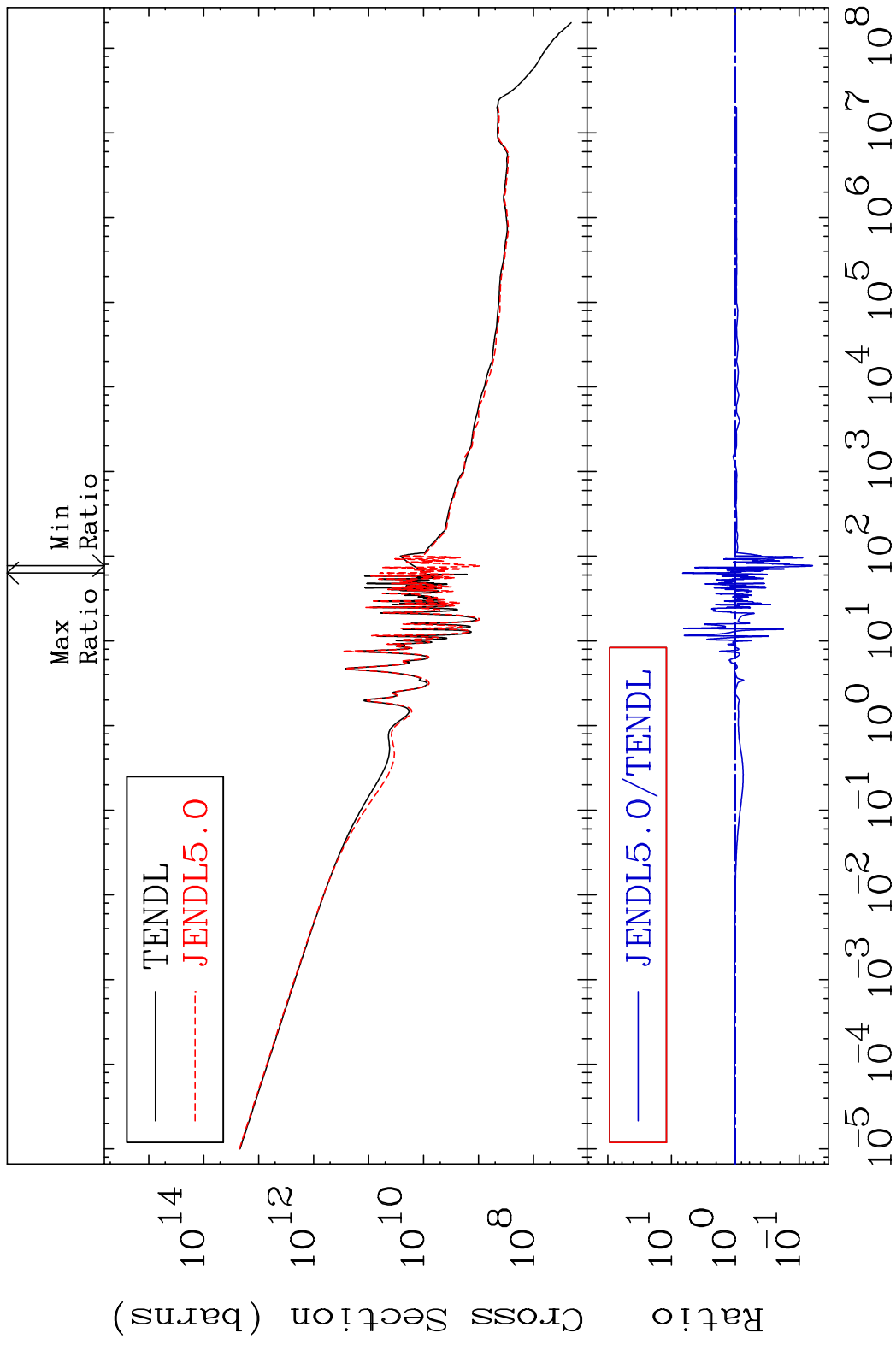
MAT 9640 Kerma non-elastic (all but mt2) 96-Cm-245  
 Cross Section -93.85 To 576.6 %



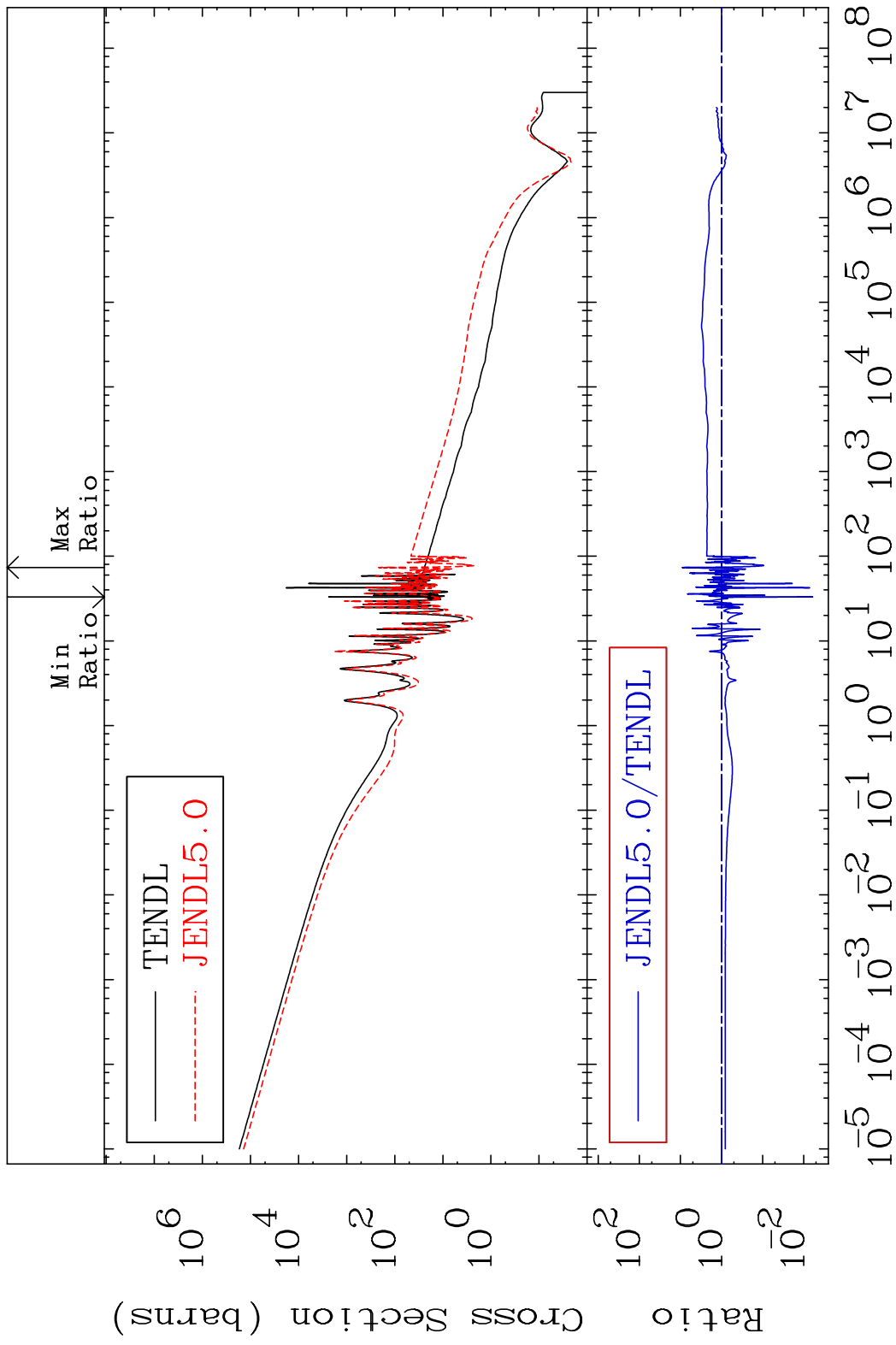
MAT 9640 Kerma inelastic (mt51-91) 96-Cm-245  
 Cross Section -142.9 To 92.05 %



MAT 9640 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-245  
 Cross Section -93.85 To 576.6 %

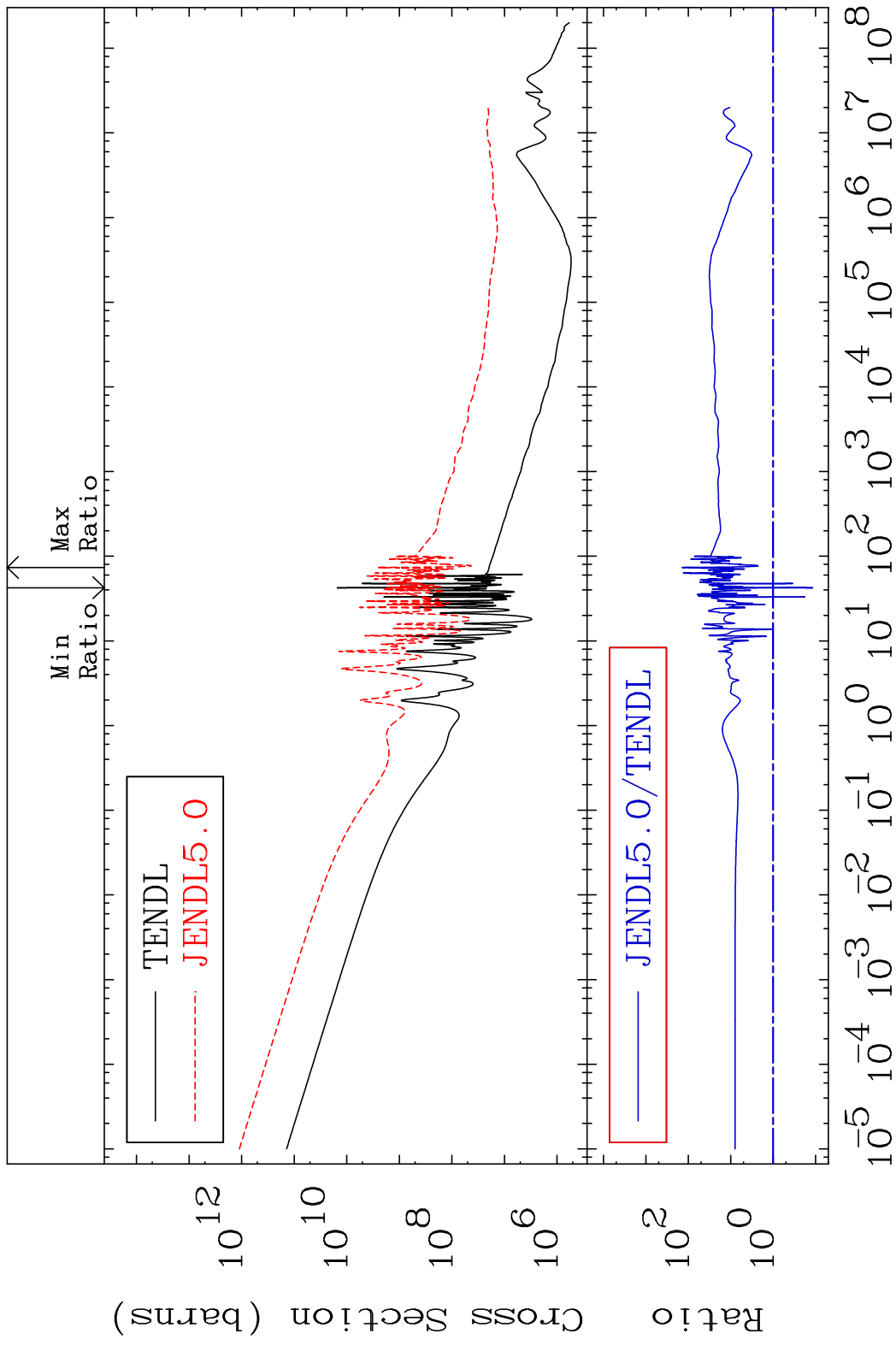


MAT 9640 Kerma capture (mt102) 96-Cm-245  
 Cross Section -99.39 To 798.7 %

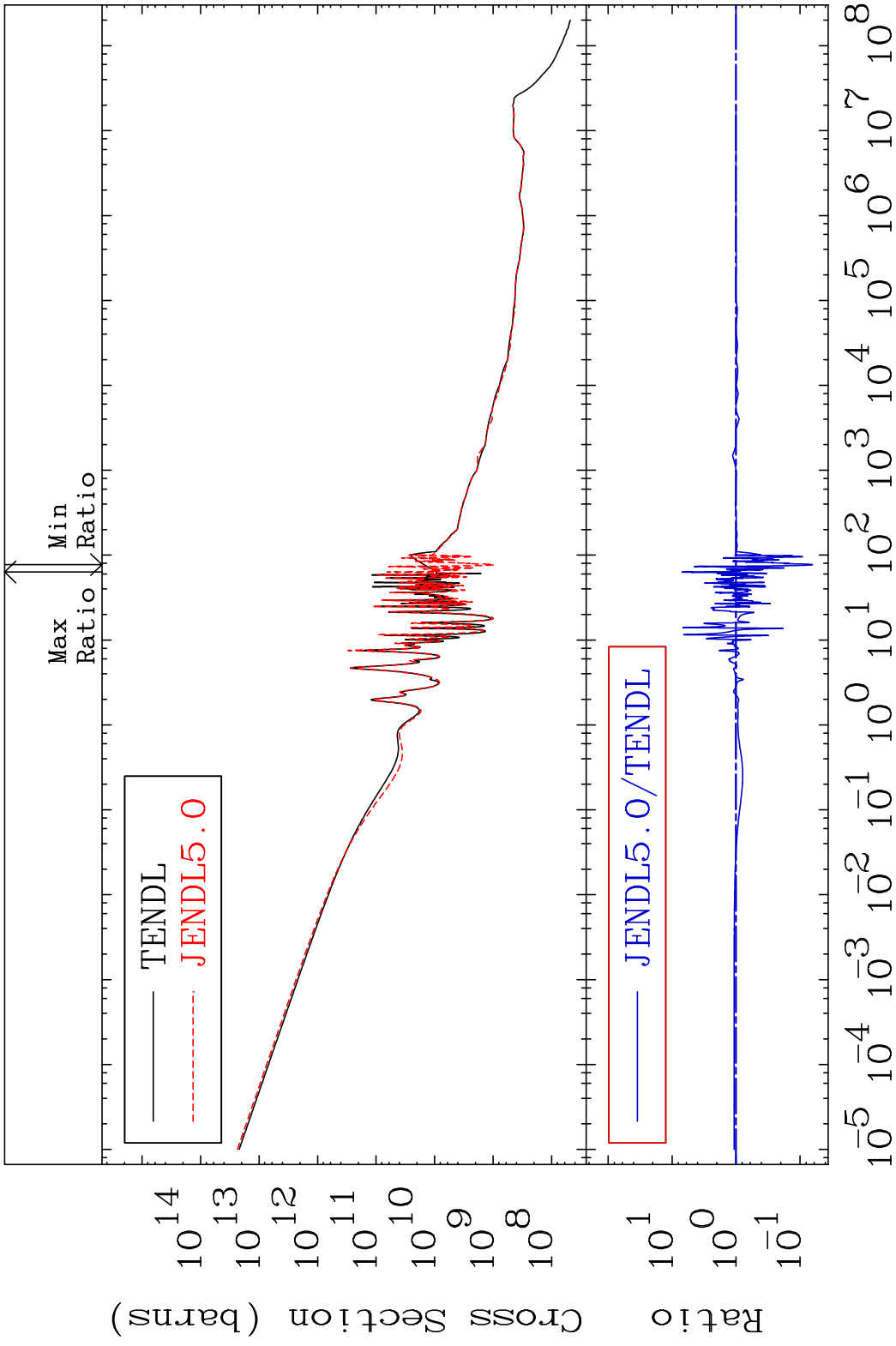


35 Incident Energy (eV) 96-Cm-245

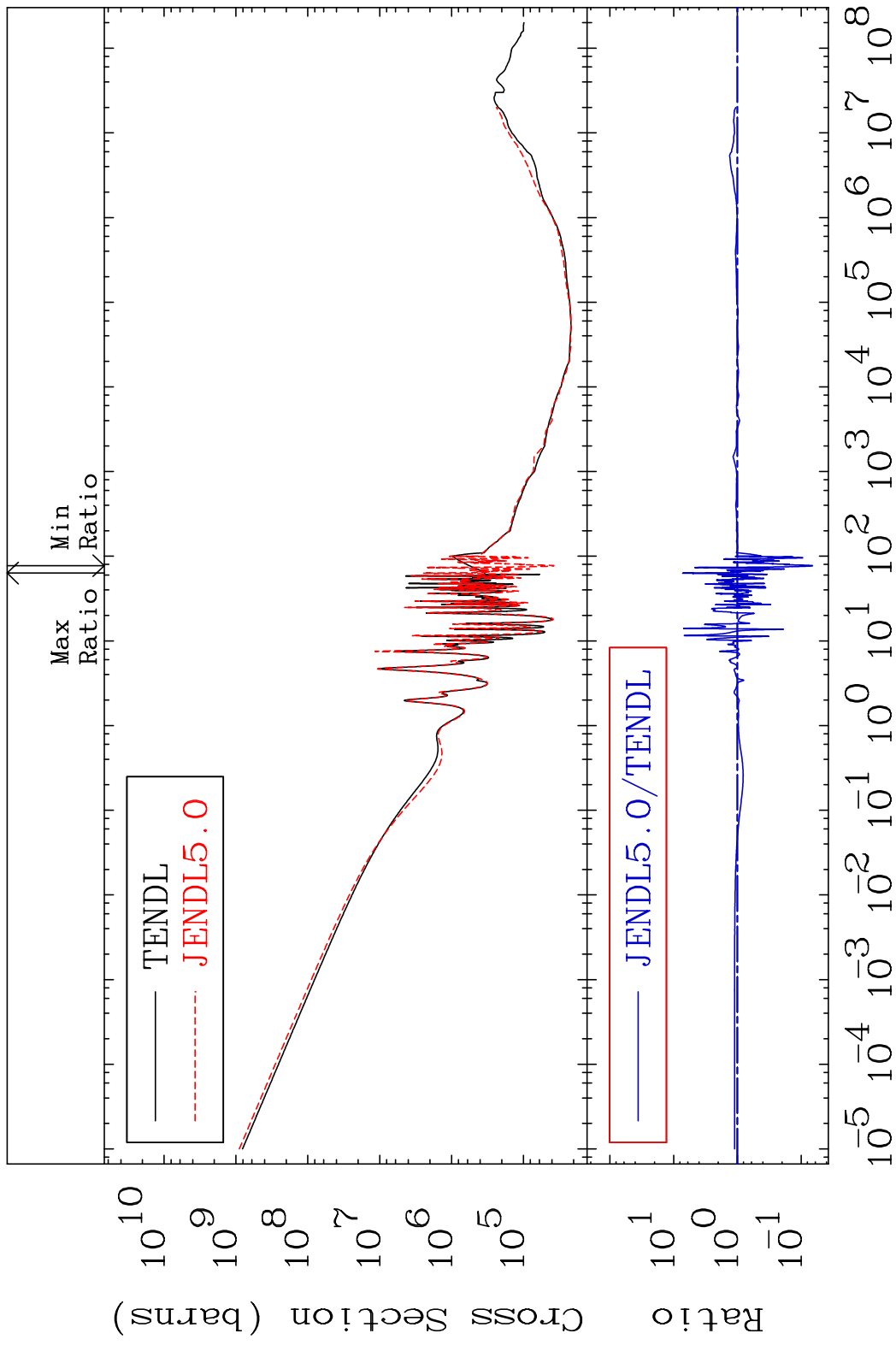
MAT 9640 Total photon (eV-barns) 96-Cm-245  
 Cross Section -88.21 To 9999. %



MAT 9640 Total kinematic kerma (high limit) 96-Cm-245  
Cross Section -93.59 To 605.7 %



MAT 9640      Dpa total (eV-barns)      96-Cm-245  
 Cross Section      -93.36 To 630.4 %

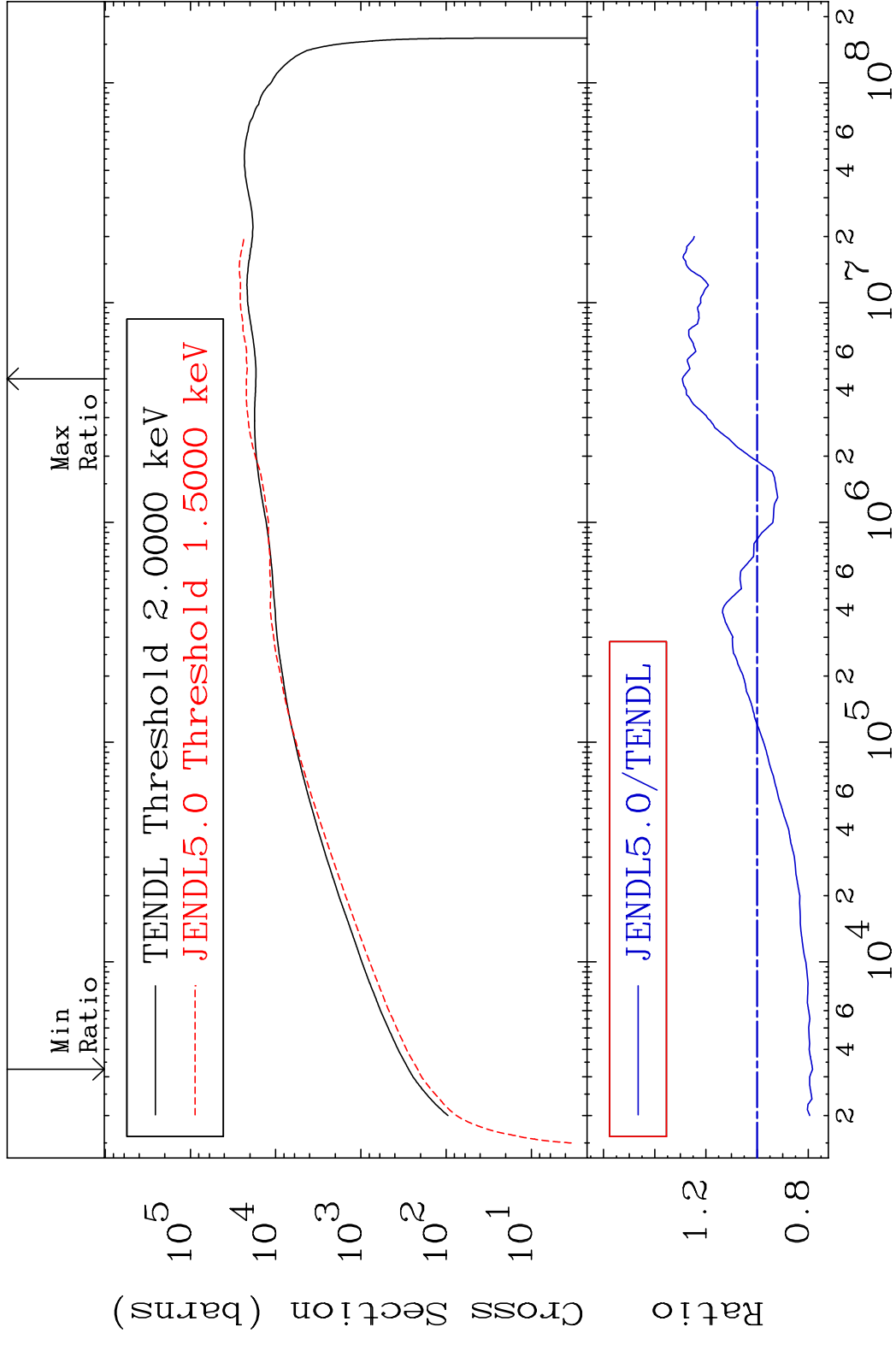


MAT 9640

Dpa elastic (mt2)

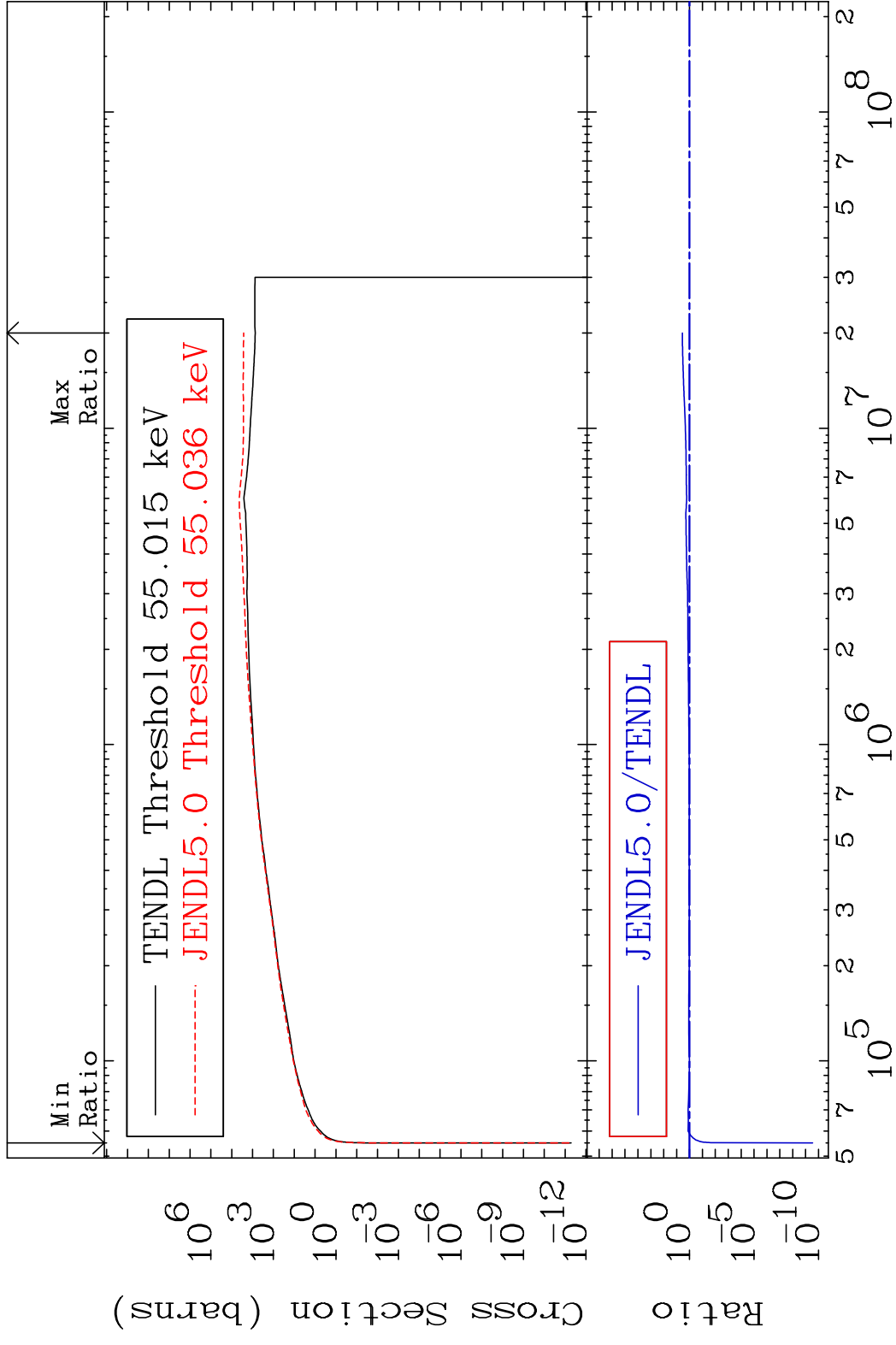
96-Cm-245

Cross Section -21.68 To 29.21 %



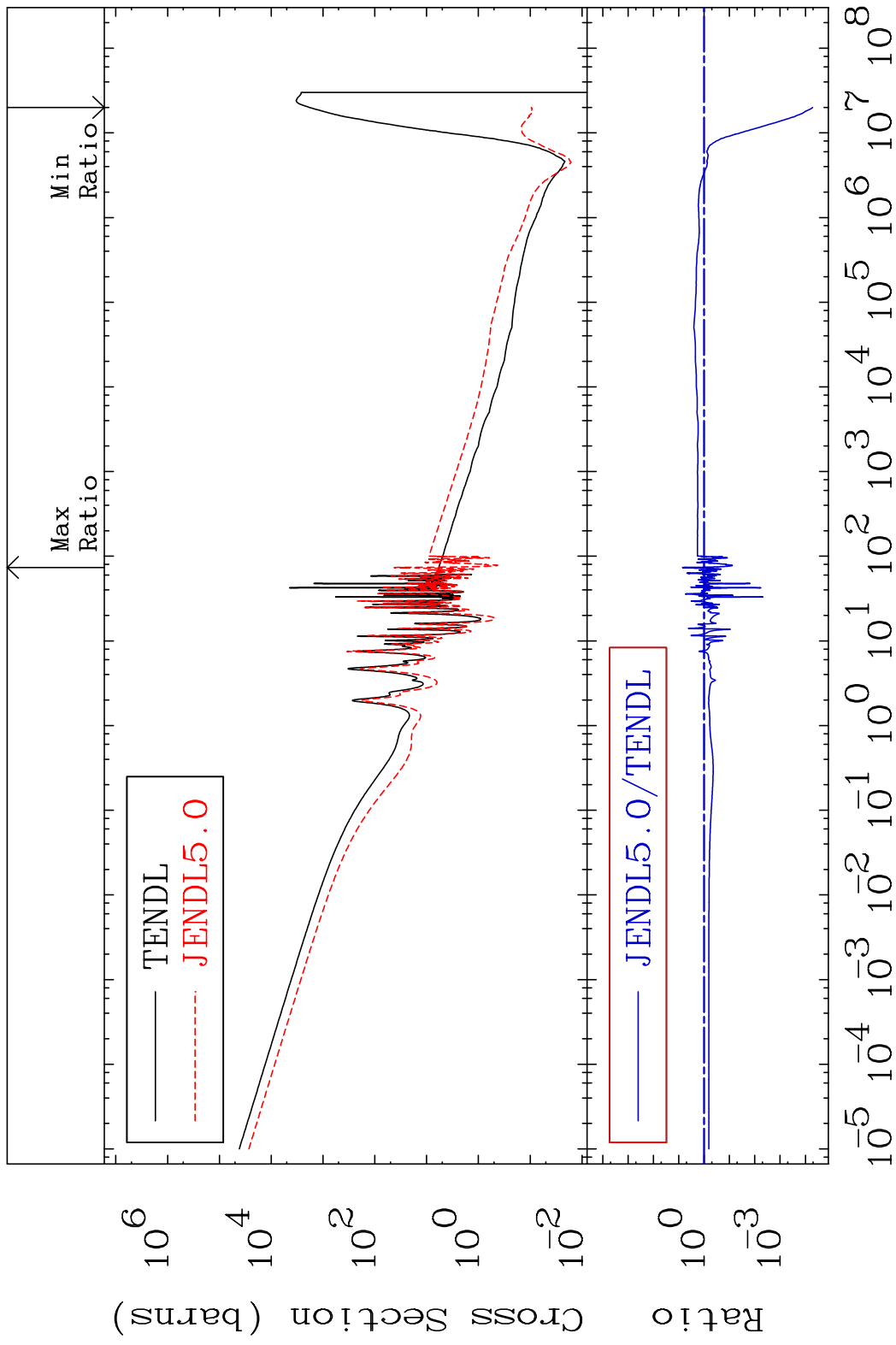


MAT 9640      Dpa inelastic (mt51-91)      96-Cm-245  
 Cross Section      -100.0 To 258.9 %



40      Incident Energy (eV)      96-Cm-245

MAT 9640 Dpa disappearance (mt102 -120) 96-Cm-245  
 Cross Section -99.99 To 625.5 %

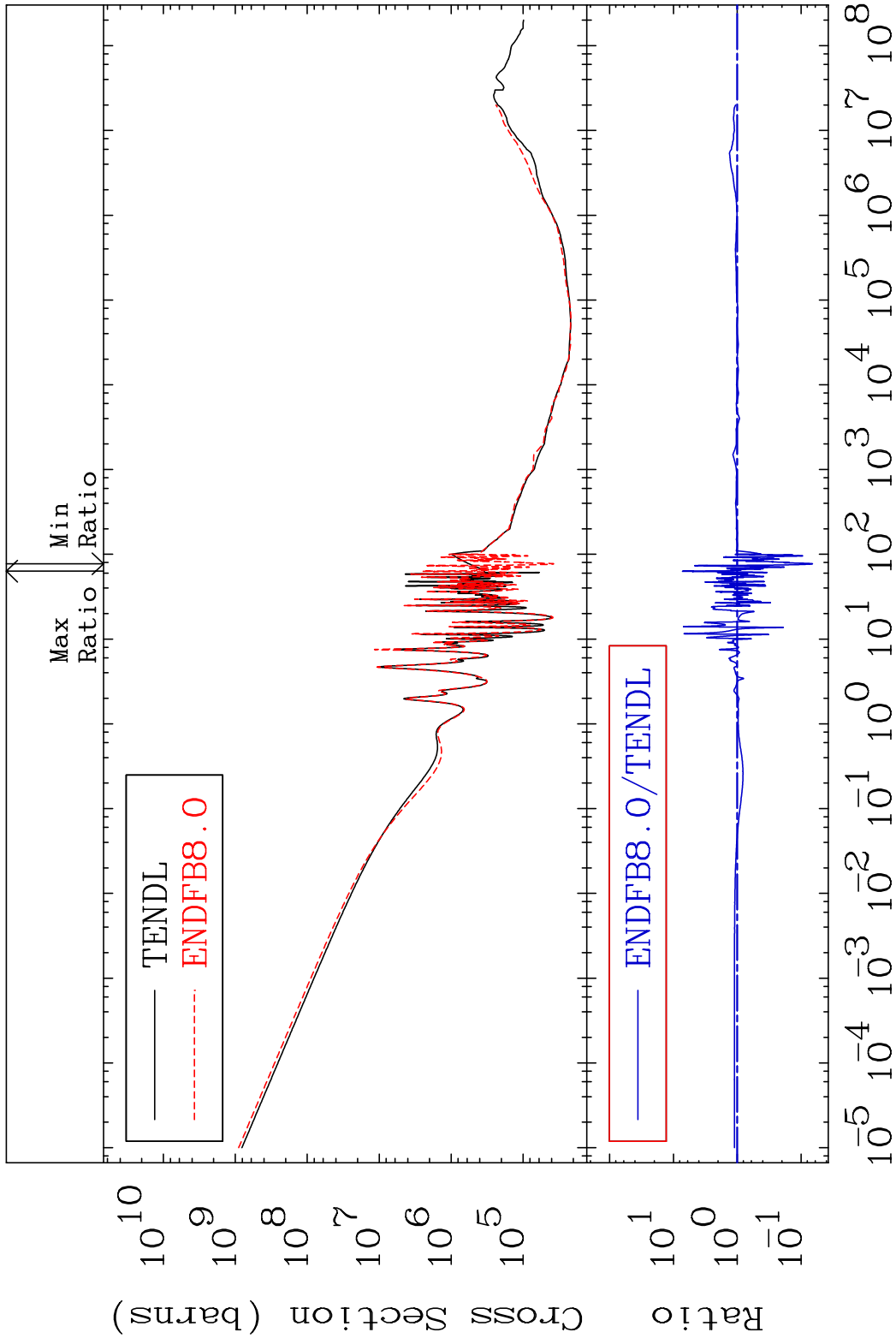


MAT 9640

Dpa total (eV-barns)

96-Cm-245

Cross Section -93.36 To 630.4 %



42

Incident Energy (eV)

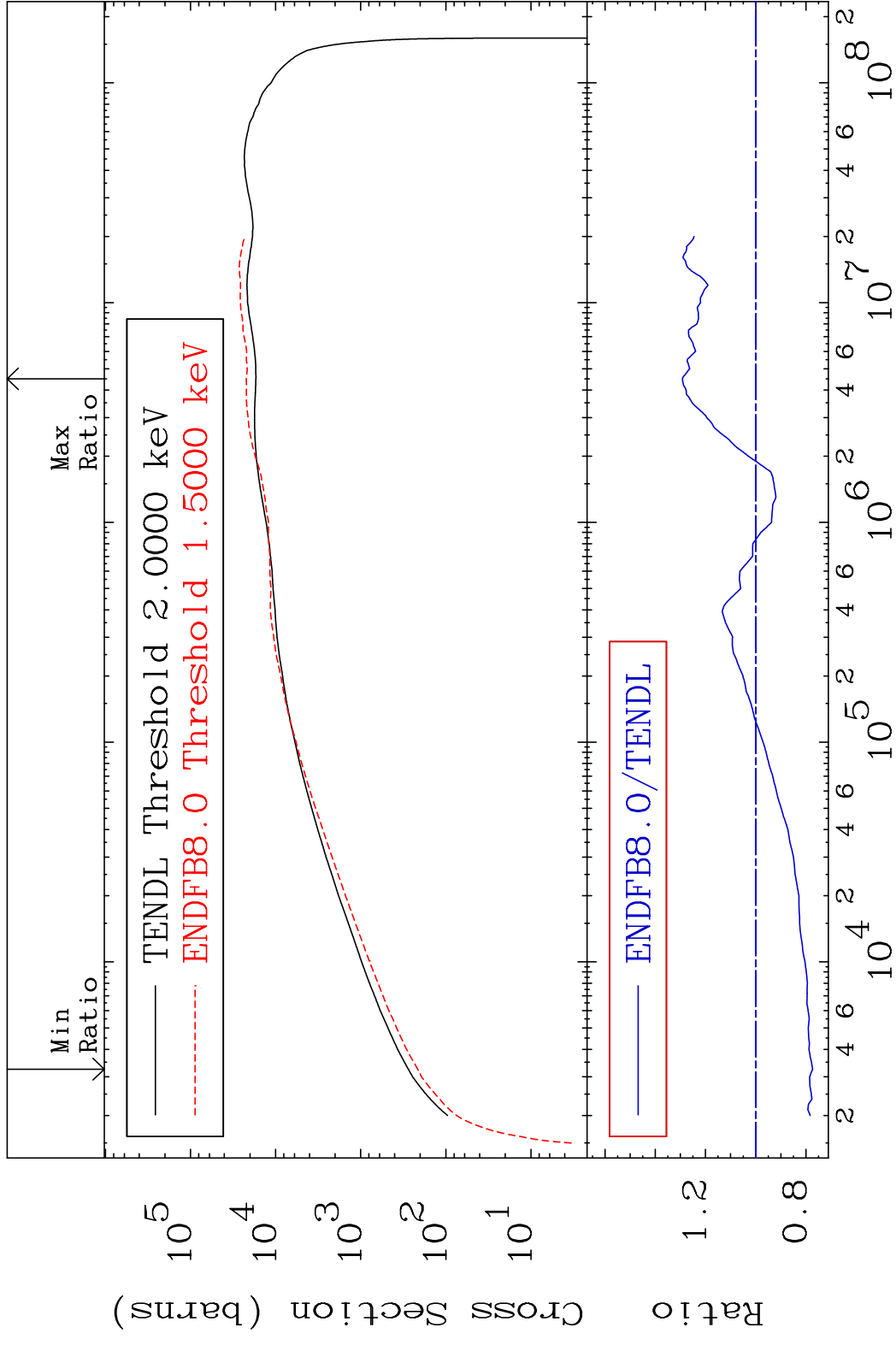
96-Cm-245

MAT 9640

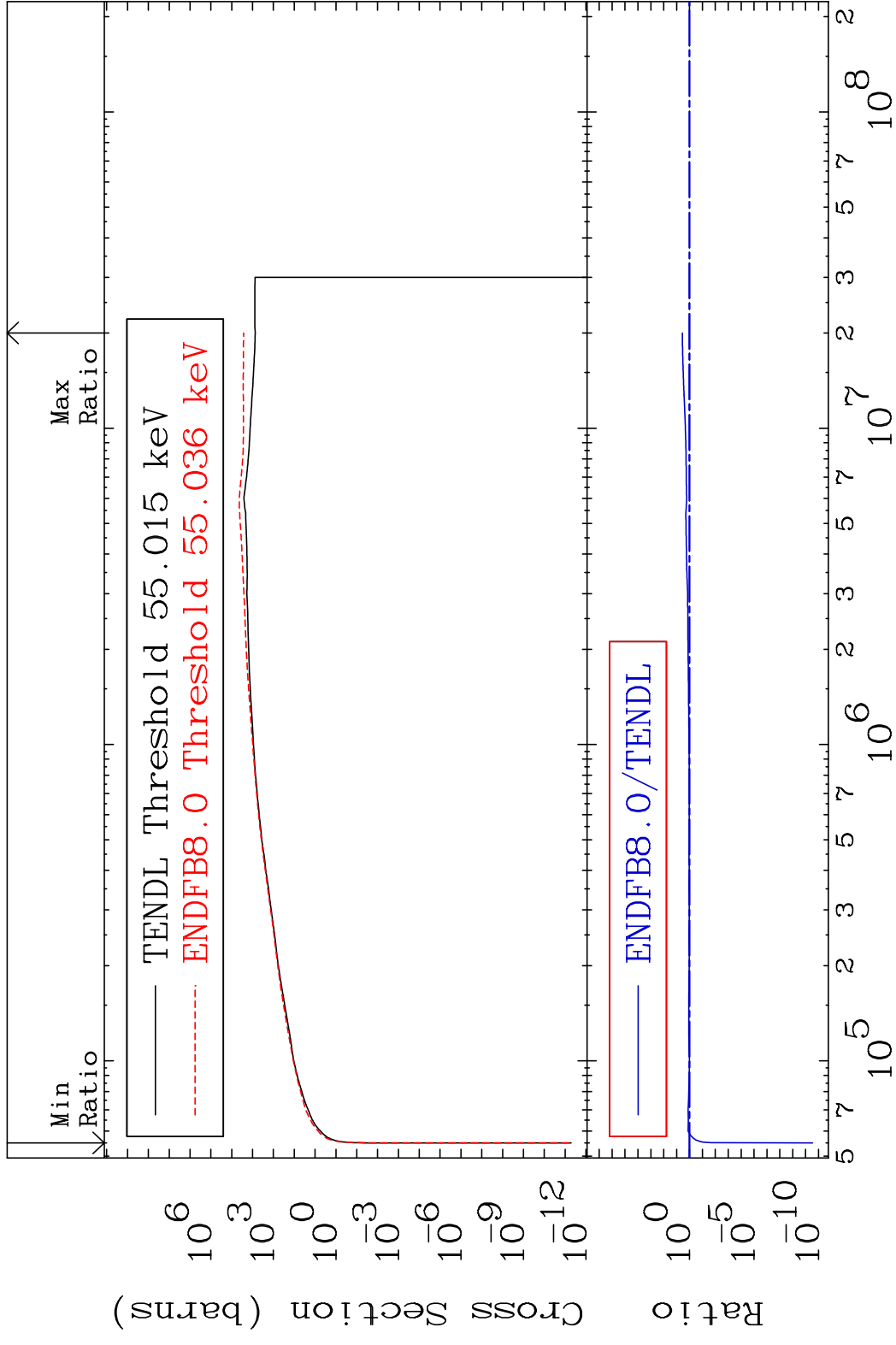
Dpa elastic (mt2)

96-Cm-245

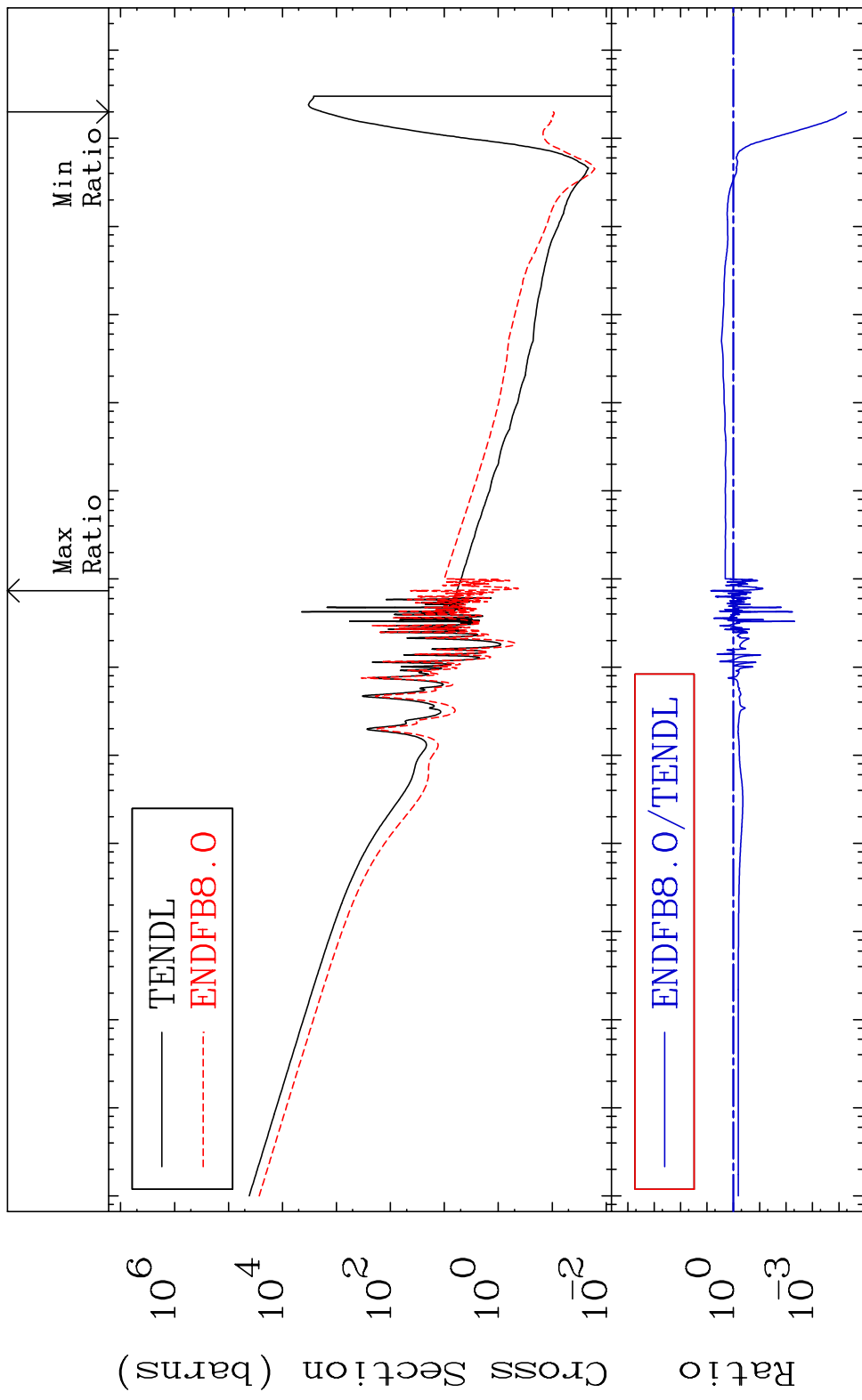
Cross Section -22.63 To 29.21 %



MAT 9640      Dpa inelastic (mt51-91)      96-Cm-245  
 Cross Section      -100.0 To 258.9 %



MAT 9640 Dpa disappearance (mt102 -120) 96-Cm-245  
 Cross Section -99.99 To 625.5 %



45 Incident Energy (eV) 96-Cm-245