

Program Complot  
(Version 2021-1)

by

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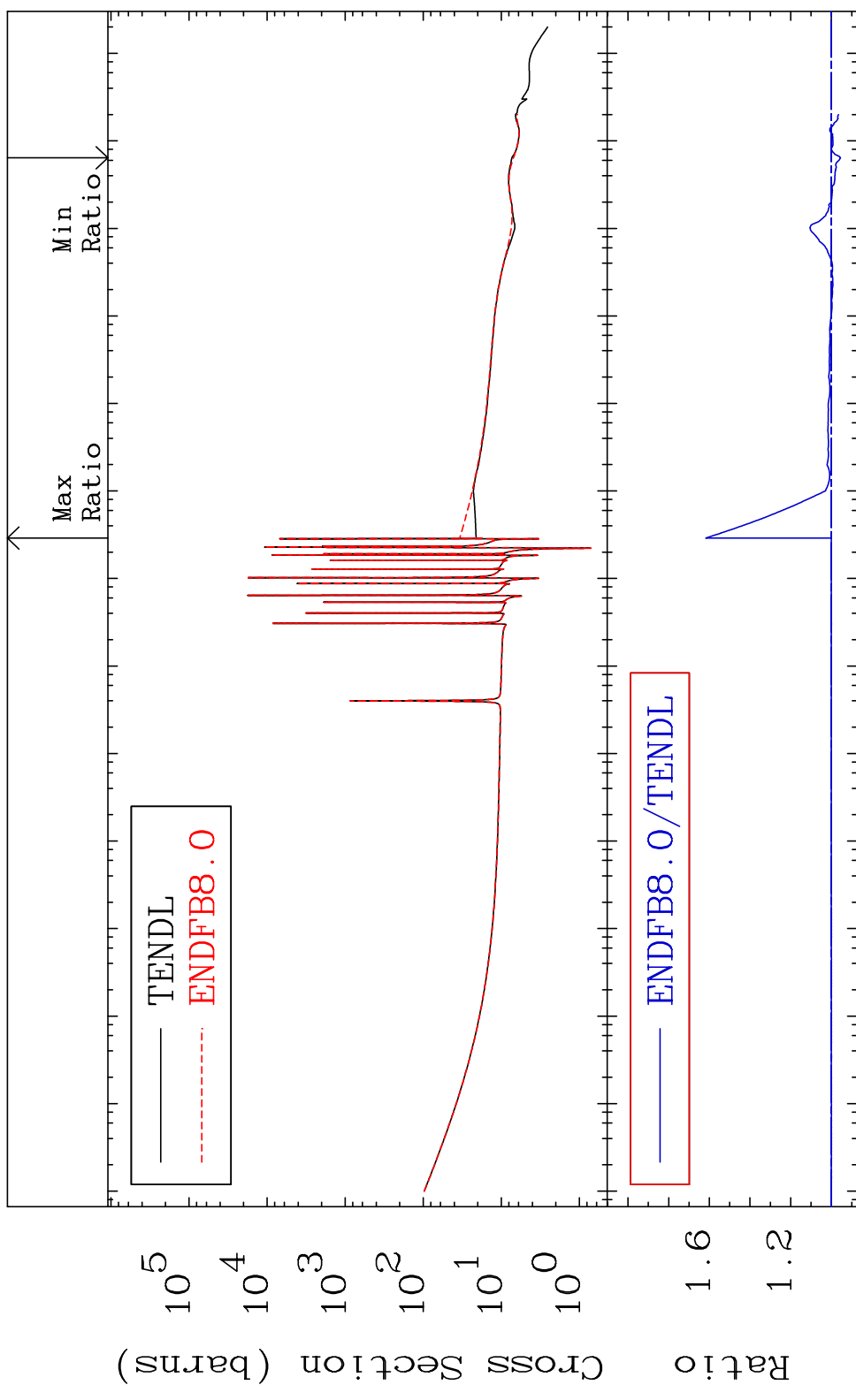
Press Mouse Button to Start

MAT 9452

Total

94-Pu-244

Cross Section -4.450 To 61.76 %



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>8</sup> 10<sup>7</sup> 10<sup>6</sup> 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>

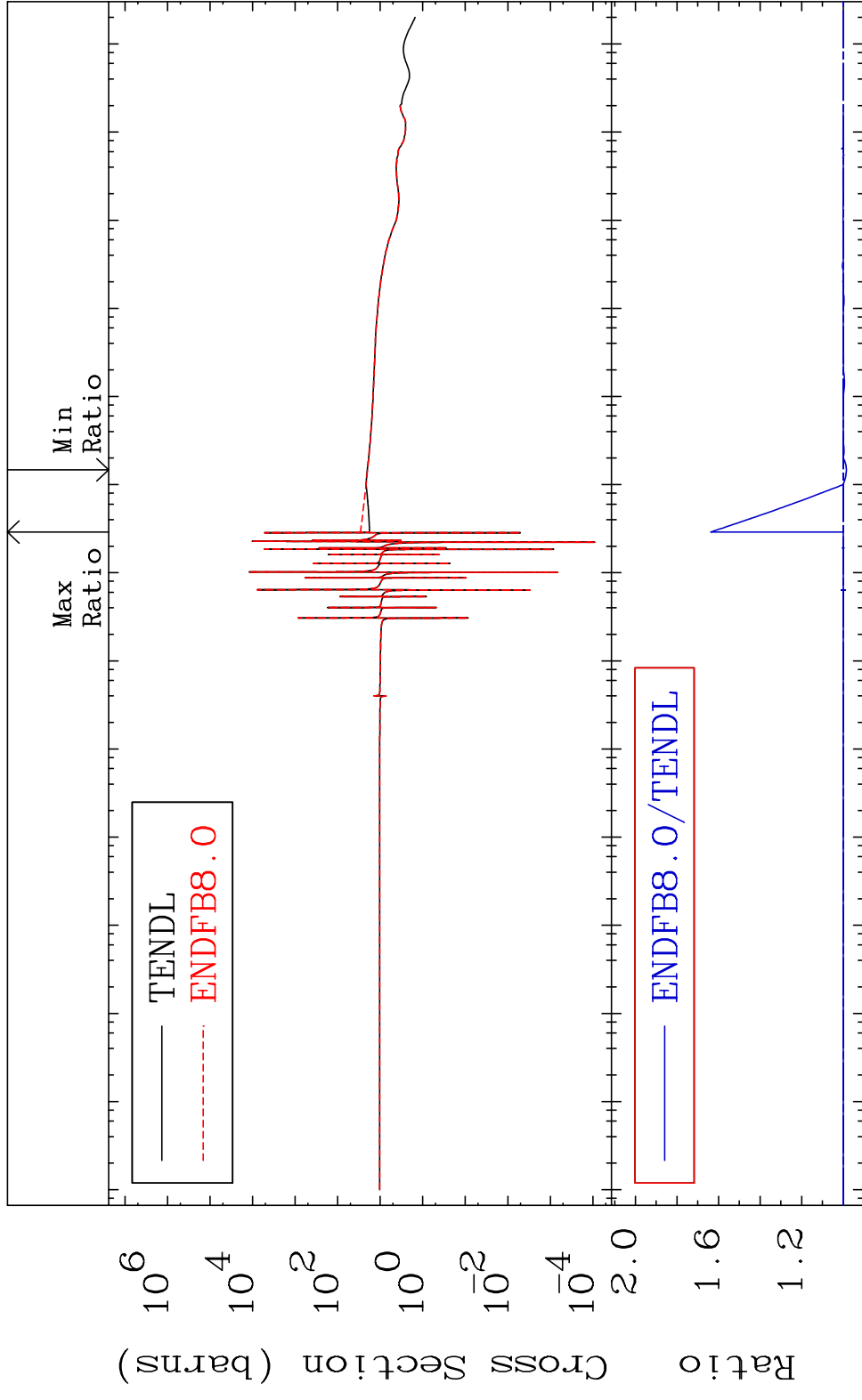
1 Incident Energy (eV) 94-Pu-244

MAT 9452

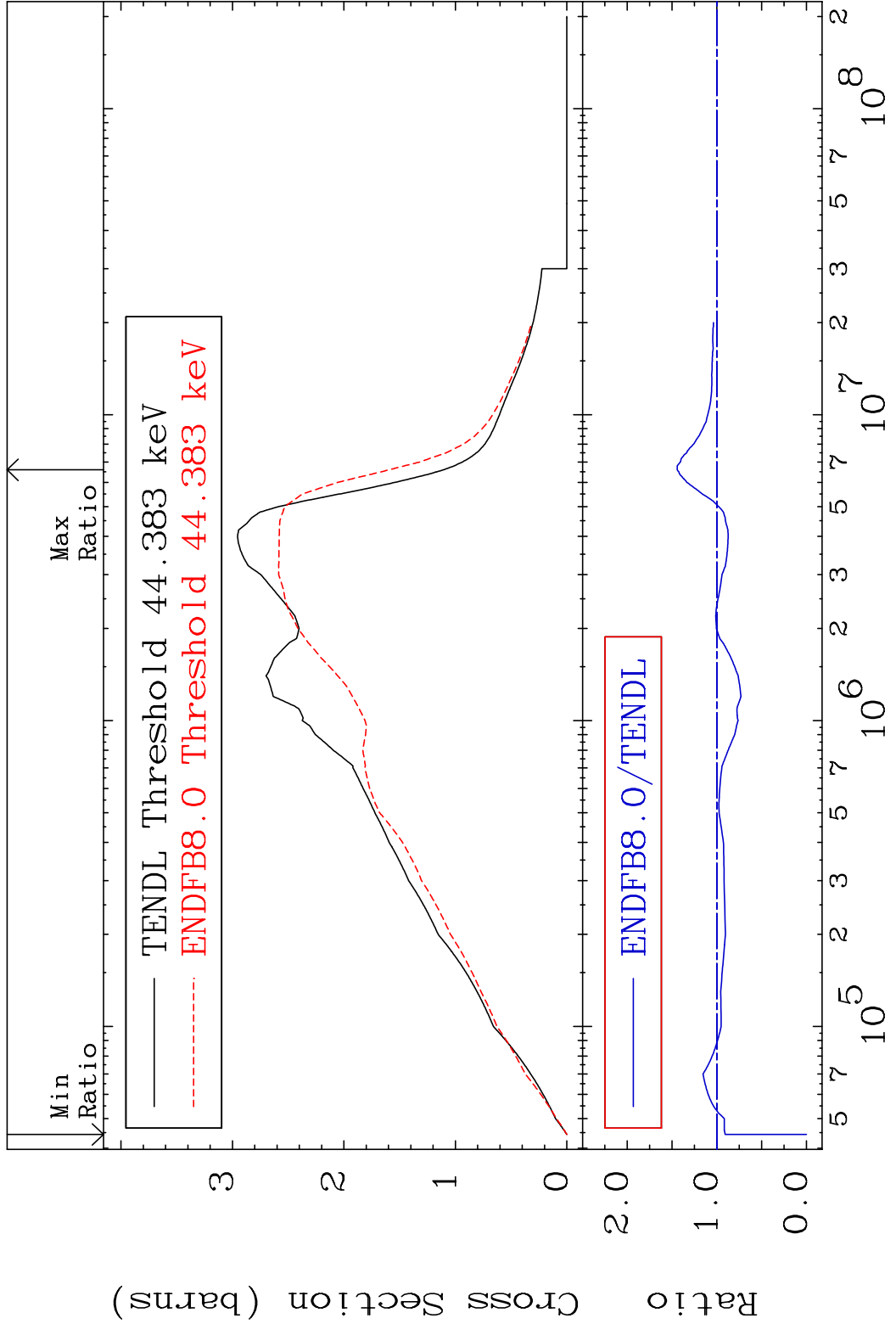
94-Pu-244

Elastic

Cross Section -1.505 To 63.77 %



MAT 9452 Inelastic 94-Pu-244  
 Cross Section -100.0 To 44.23 %

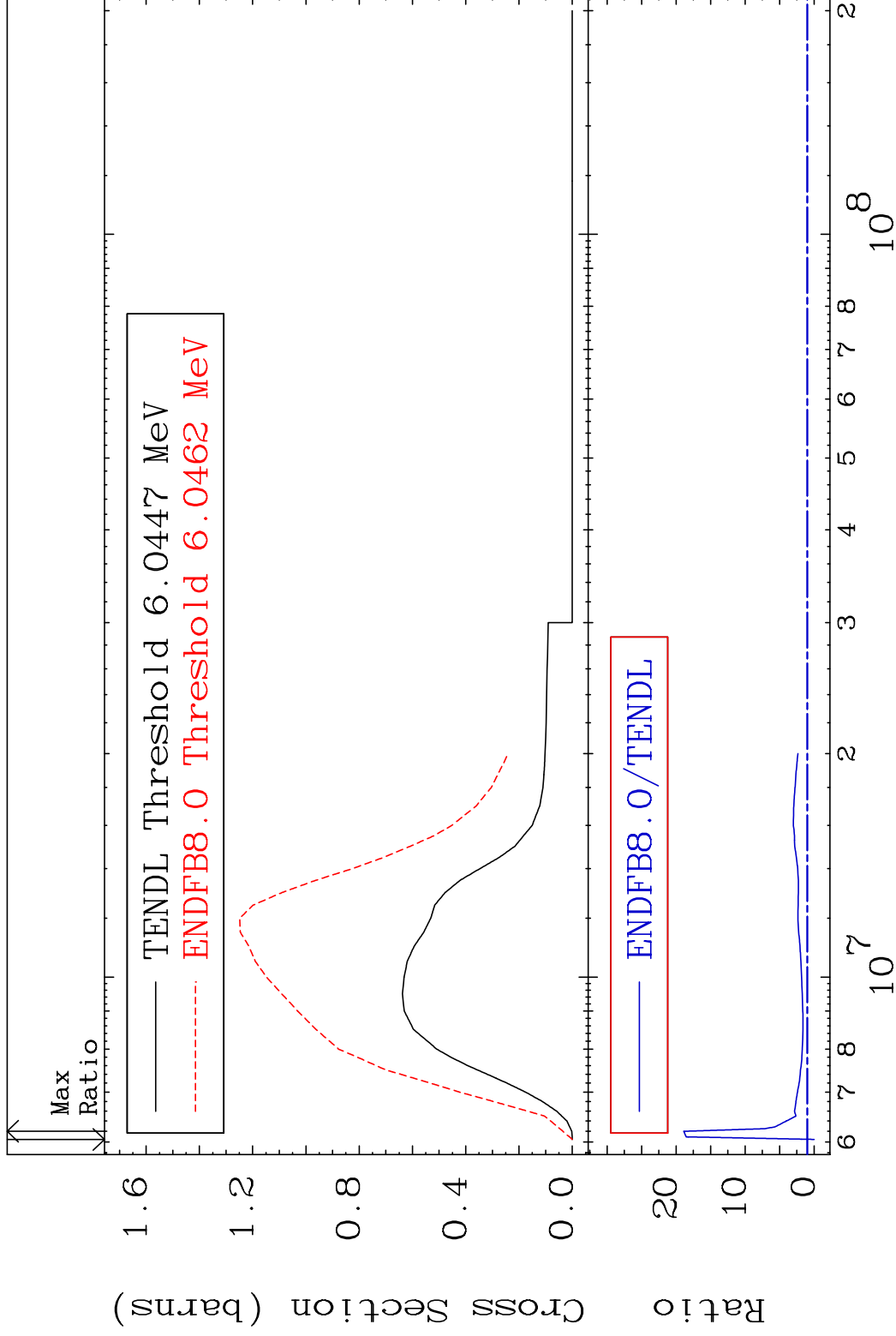


MAT 9452

(n,2n)

94-Pu-244

Cross Section -100.0 To 1790. %

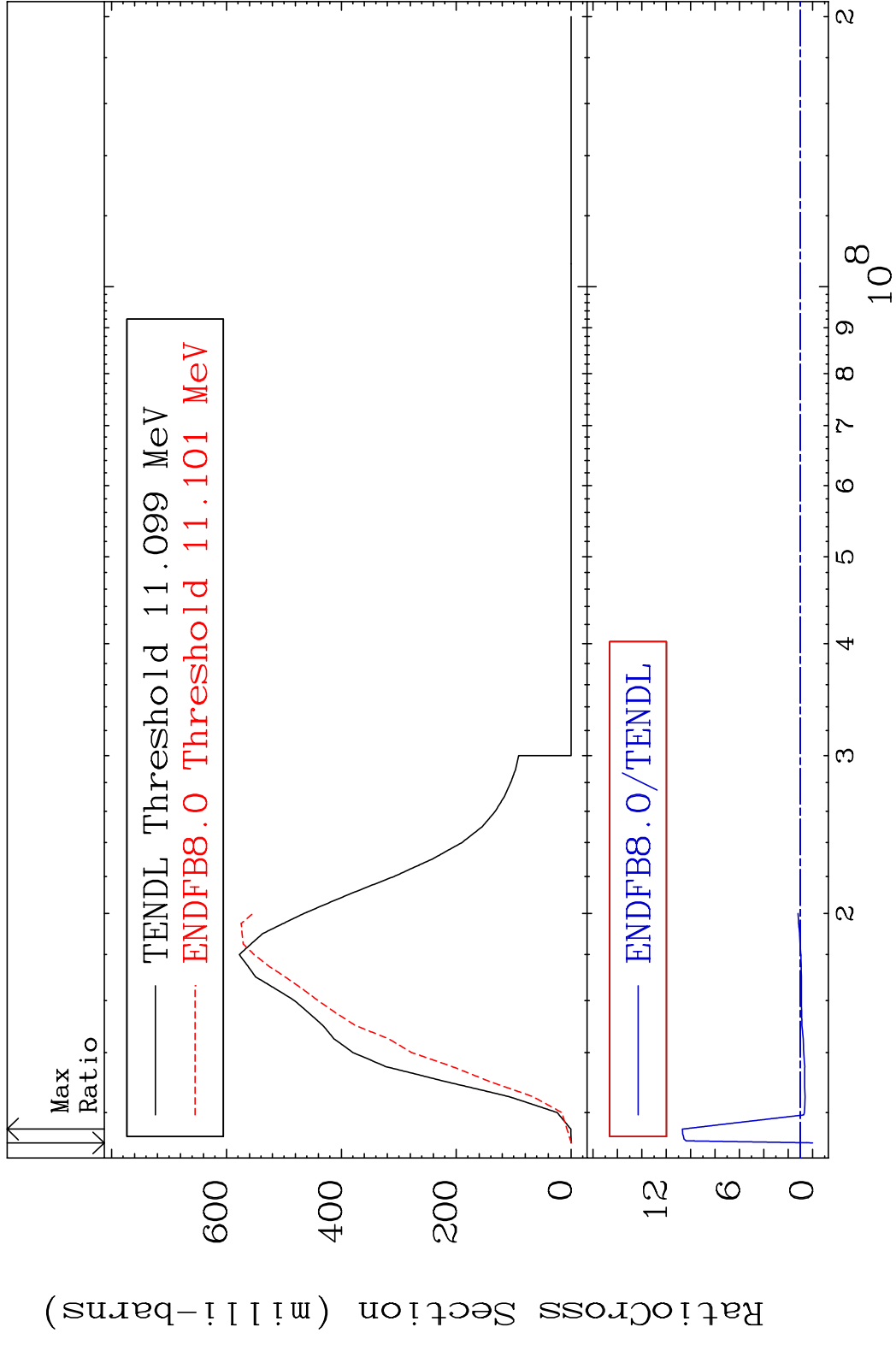


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Incident Energy (eV)

94-Pu-244

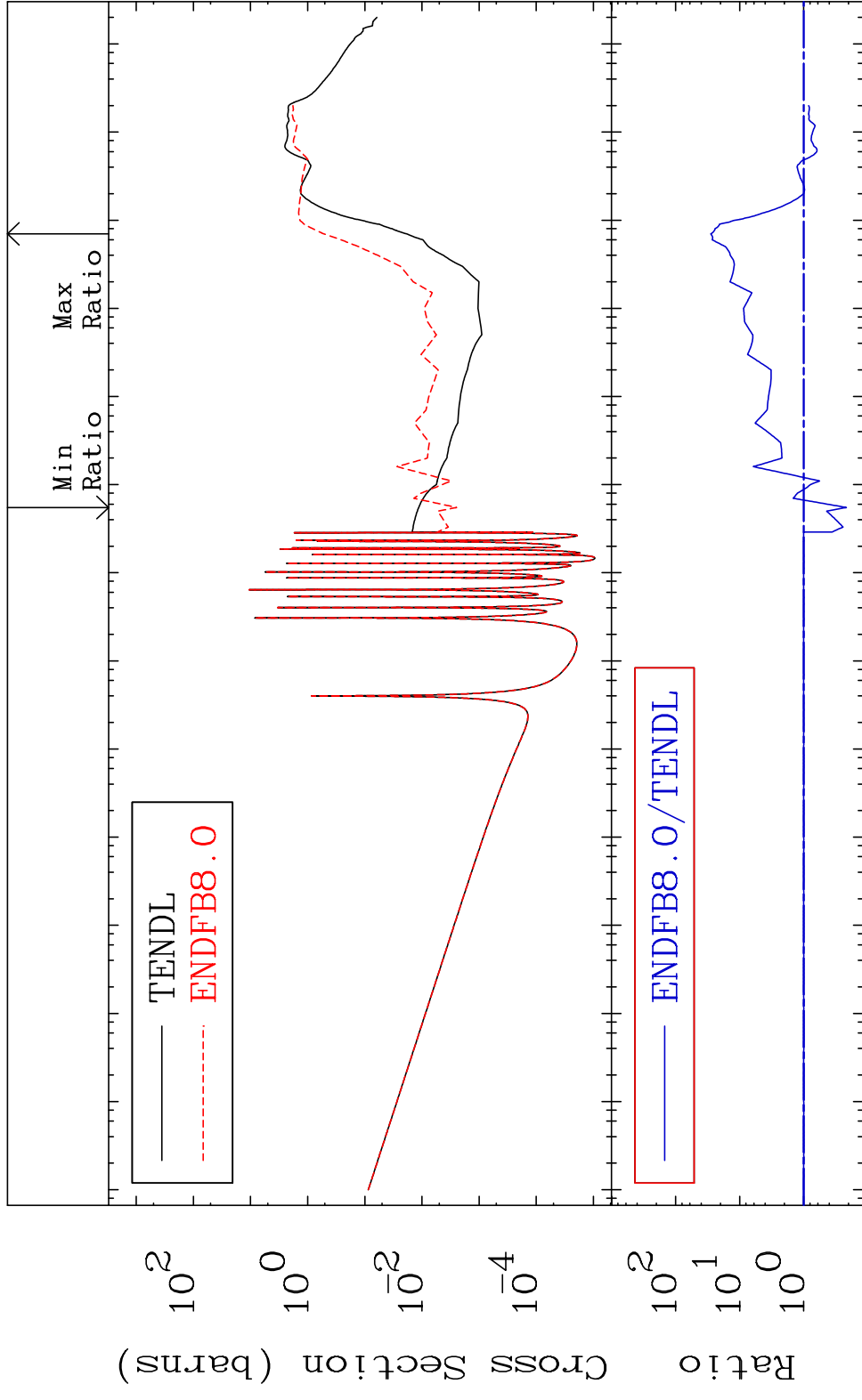
MAT 9452 (n,3n) 94-Pu-244  
 Cross Section -100.0 To 967.7 %



5 94-Pu-244

MAT 9452

Fission Cross Section -78.38 To 2738. %  
94-Pu-244

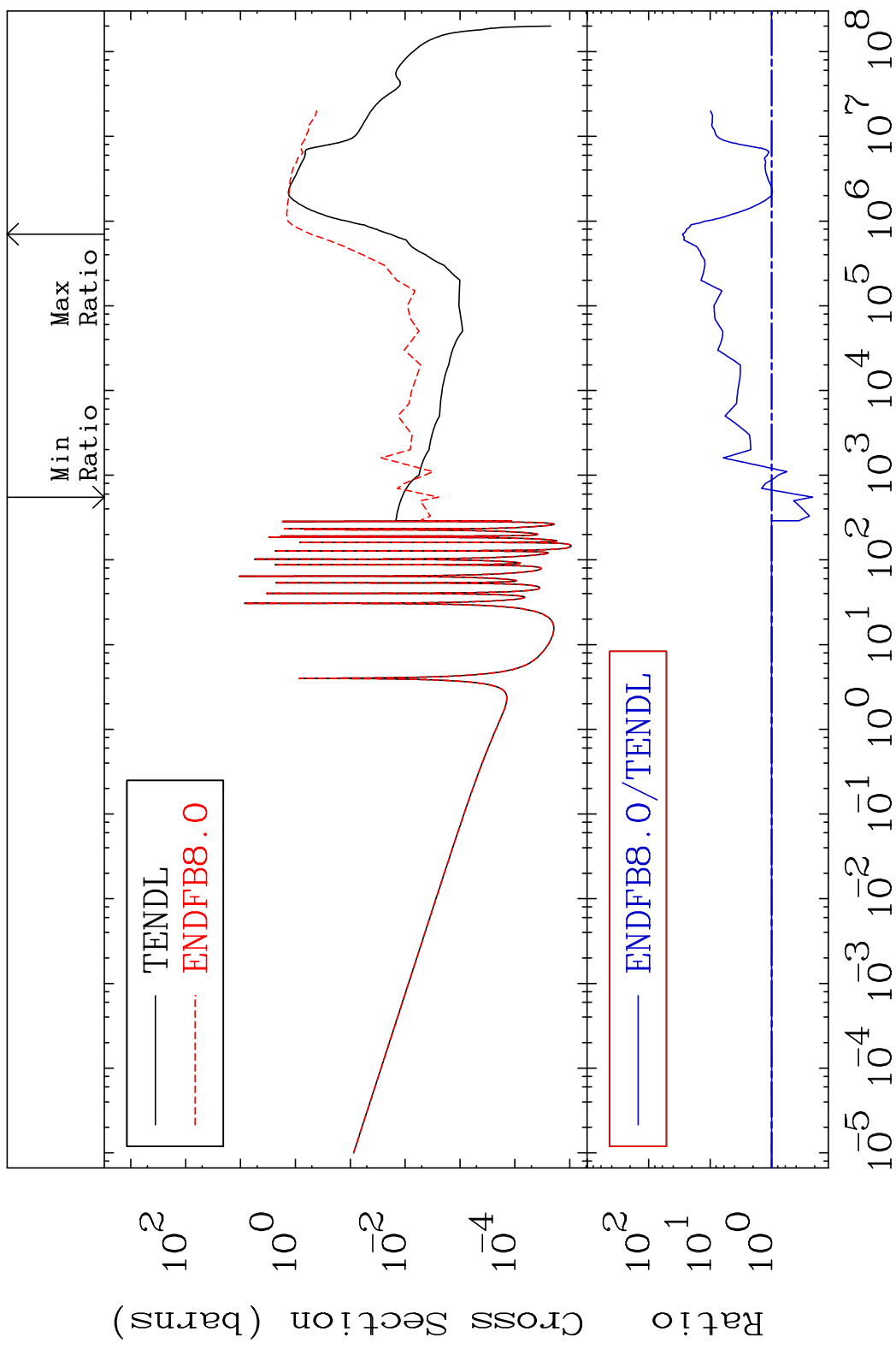


MAT 9452

(n,f) First Chance

94-Pu-244

Cross Section -78.38 To 2738. %



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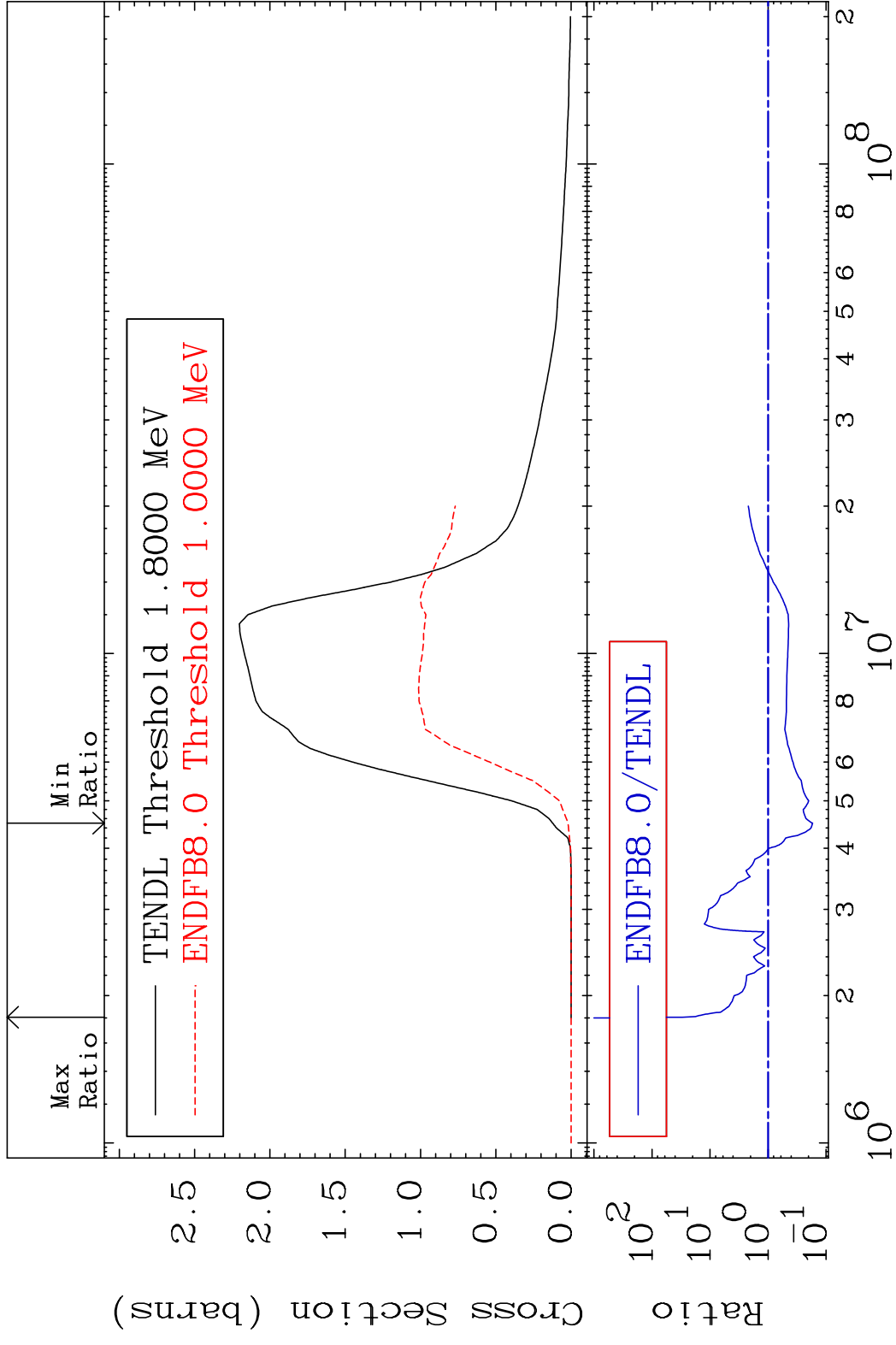
Incident Energy (eV)

94-Pu-244



MAT 9452

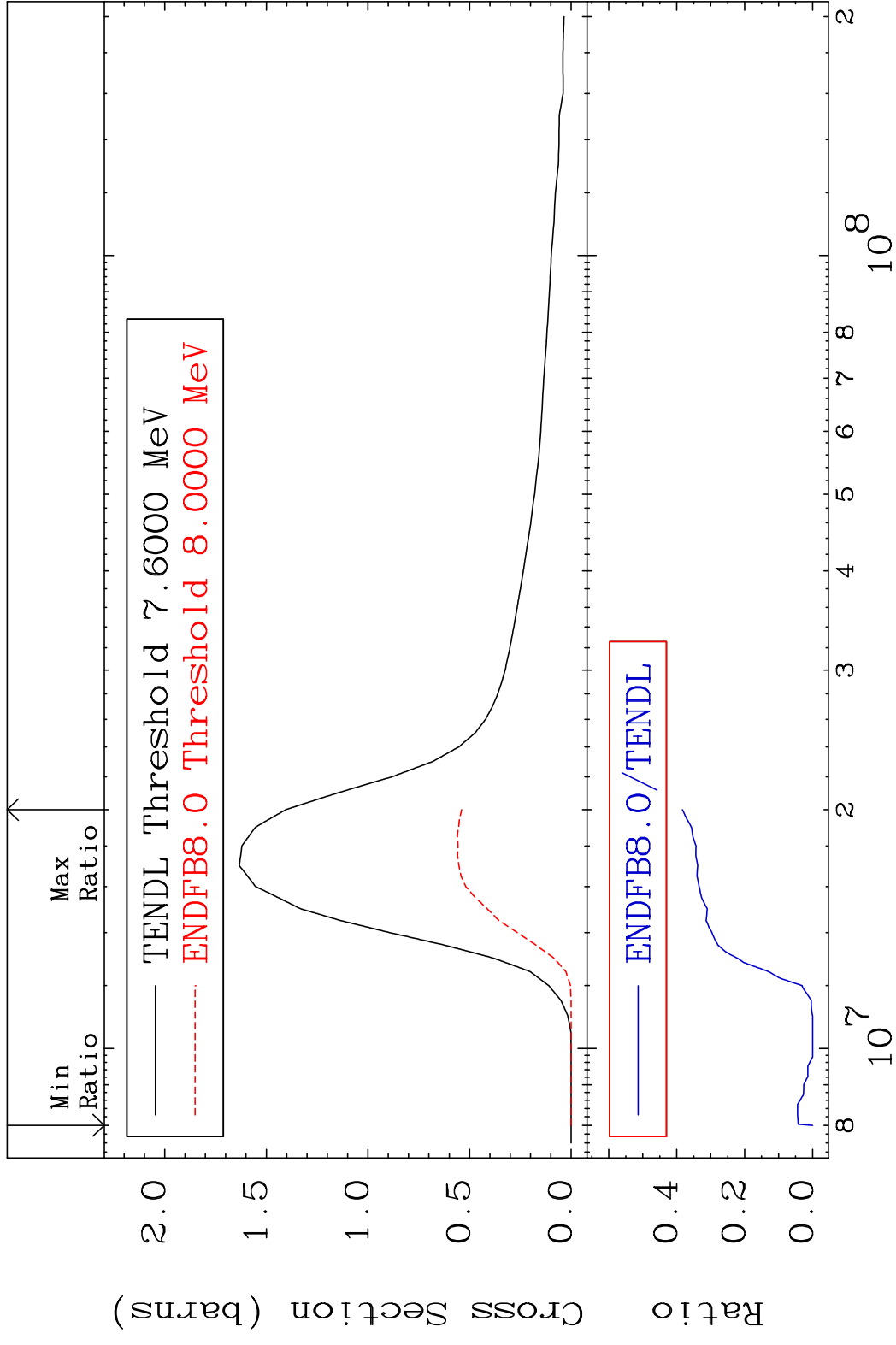
(n, nf) Second Chance 94-Pu-244  
Cross Section -82.91 To 2899. %



8 Incident Energy (eV) 94-Pu-244

MAT 9452

(n,2nf) Third Chance 94-Pu-244  
Cross Section -100.0 To -61.65%



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Incident Energy (eV)

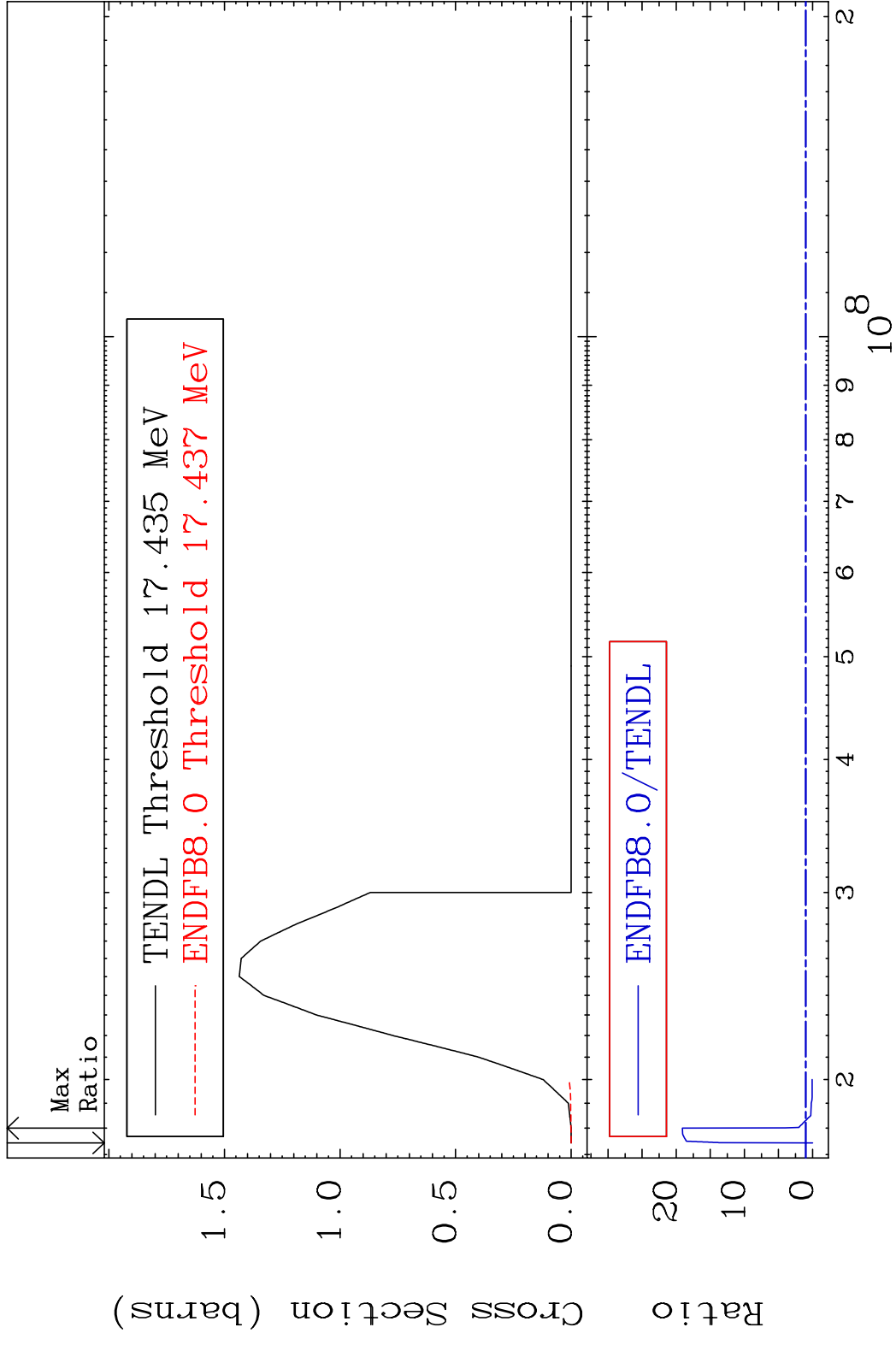
94-Pu-244

MAT 9452

(n,4n)

94-Pu-244

Cross Section -100.0 To 1810. %

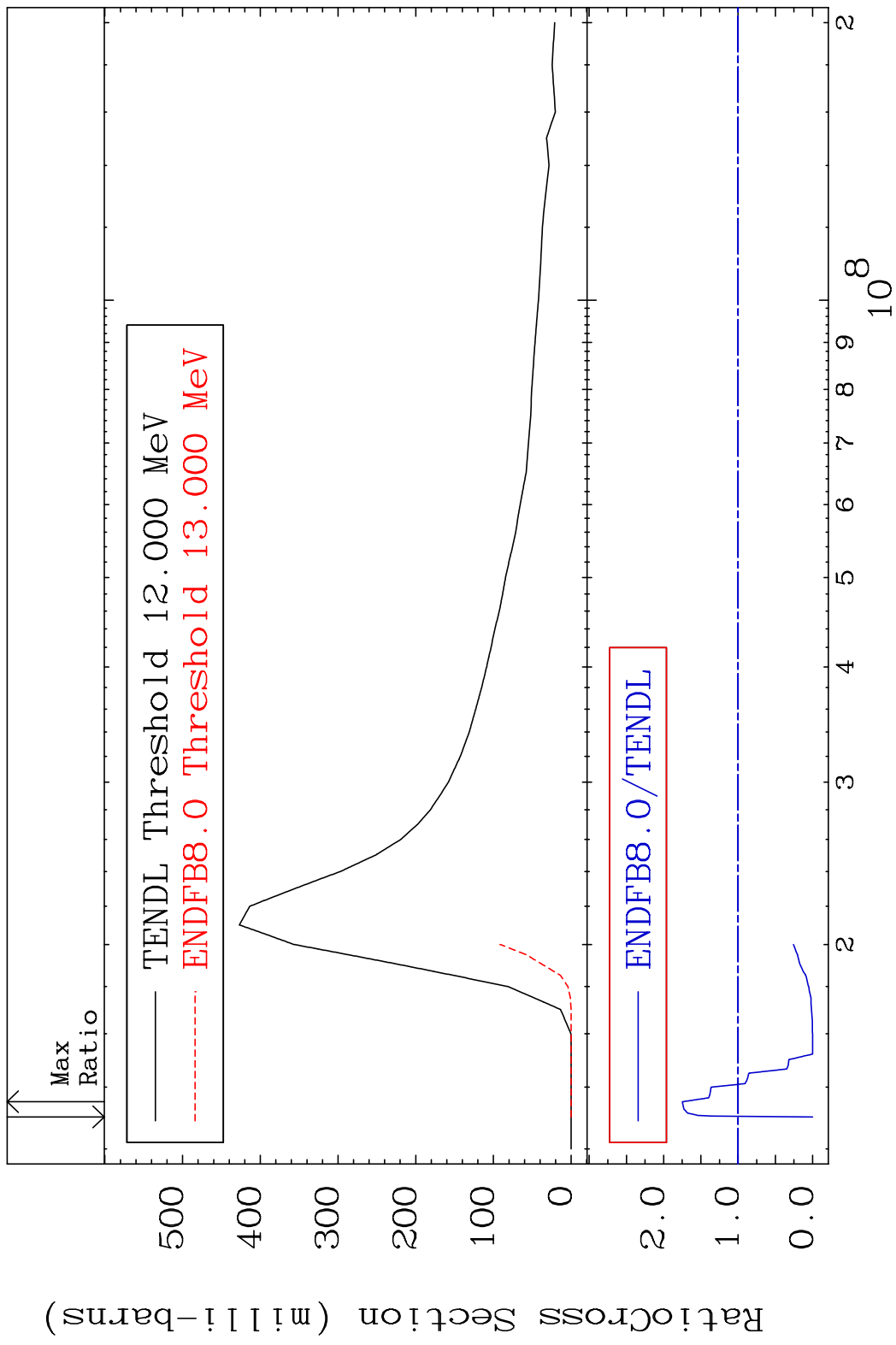


10

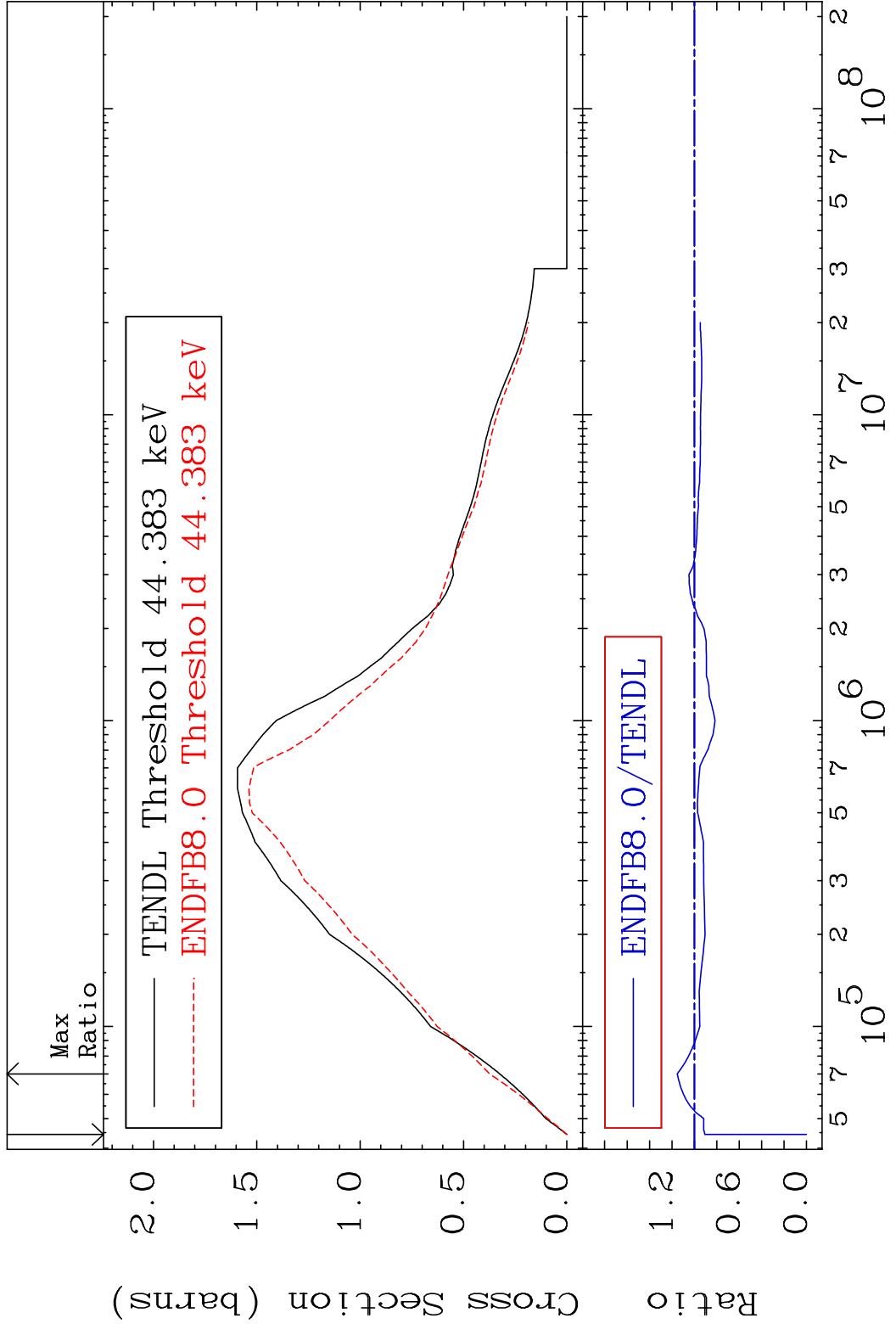
Incident Energy (eV)

94-Pu-244

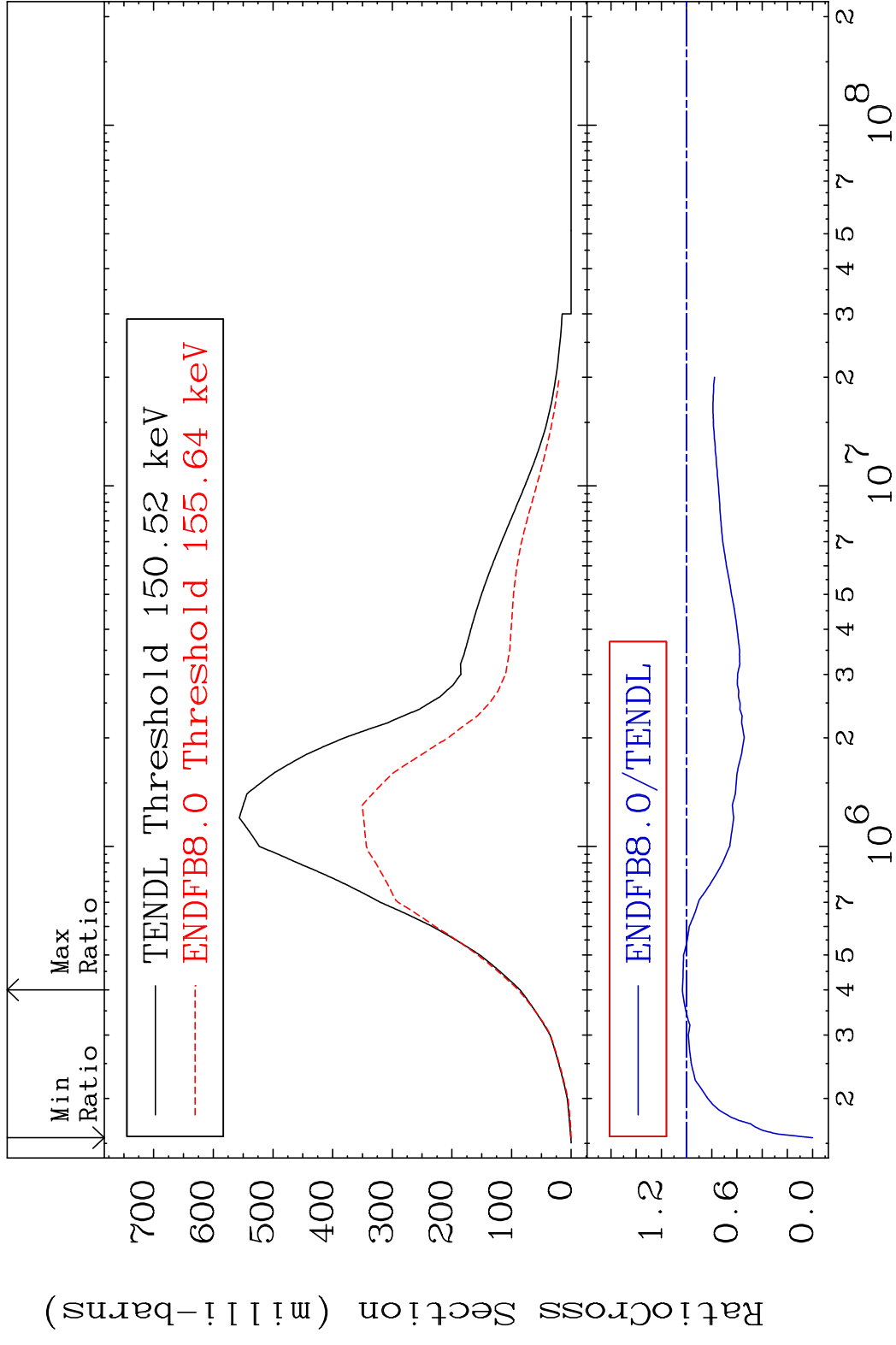
MAT 9452 (n,3nf) Fourth Chance 94-Pu-244  
 Cross Section -100.0 To 74.87 %



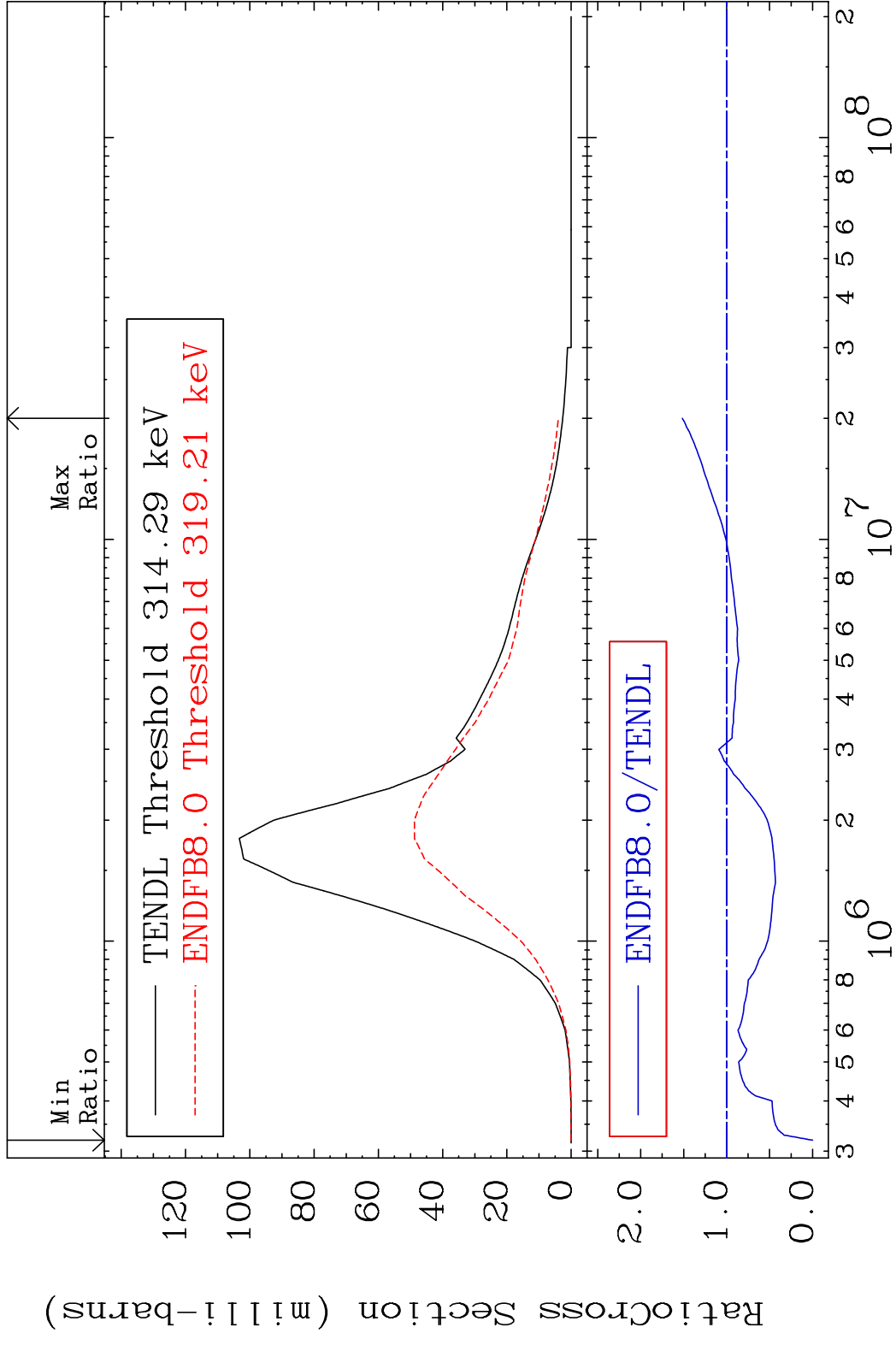
MAT 9452 MT= 51 (n, n') Level 94-Pu-244  
 Cross Section -100.0 To 15.30 %



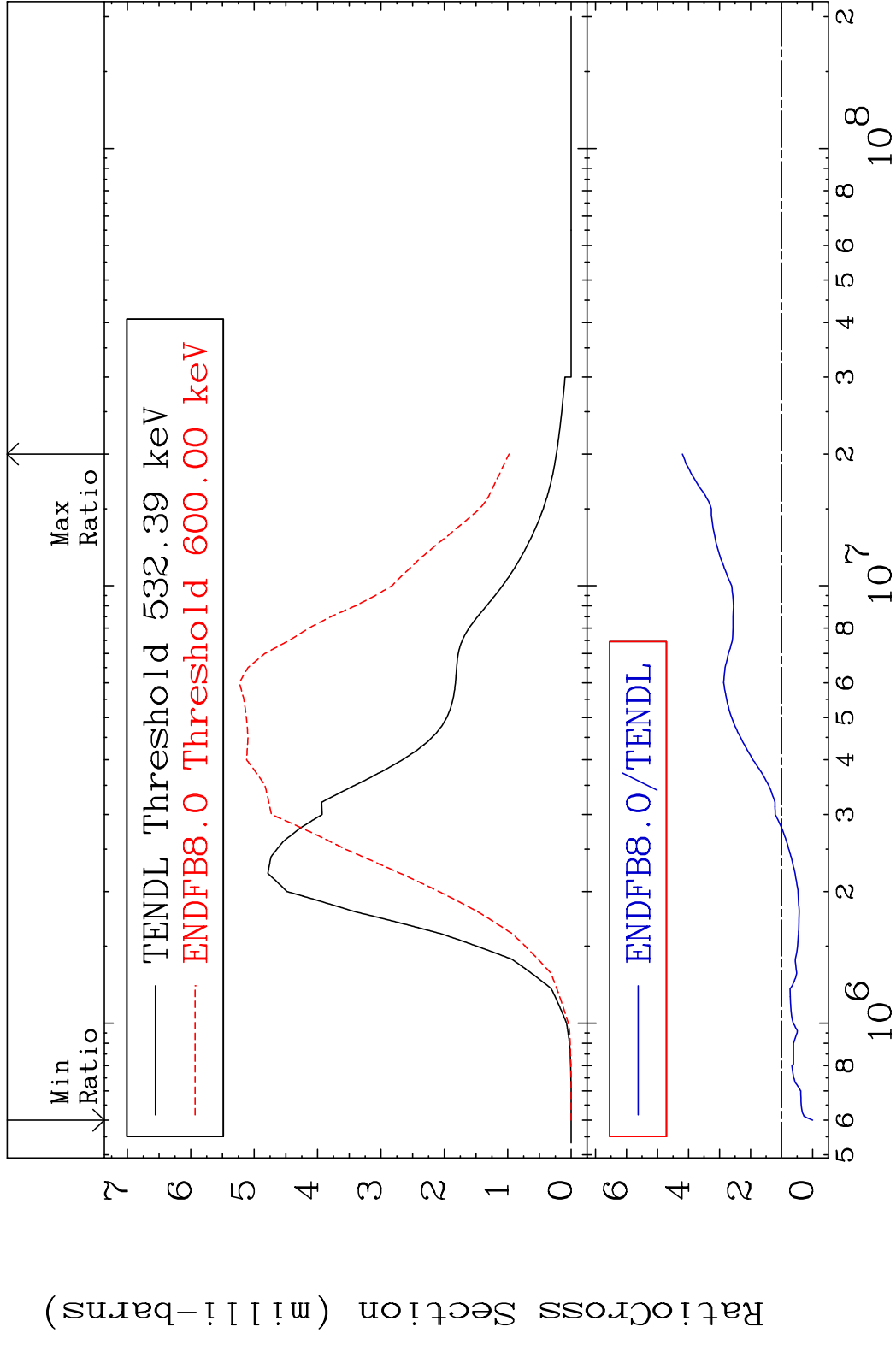
MAT 9452 MT= 52 (n,n') Level 94-Pu-244  
 Cross Section -100.0 To 3.325 %



MAT 9452 MT= 53 (n, n') Level 94-Pu-244  
 Cross Section -100.0 To 51.55 %

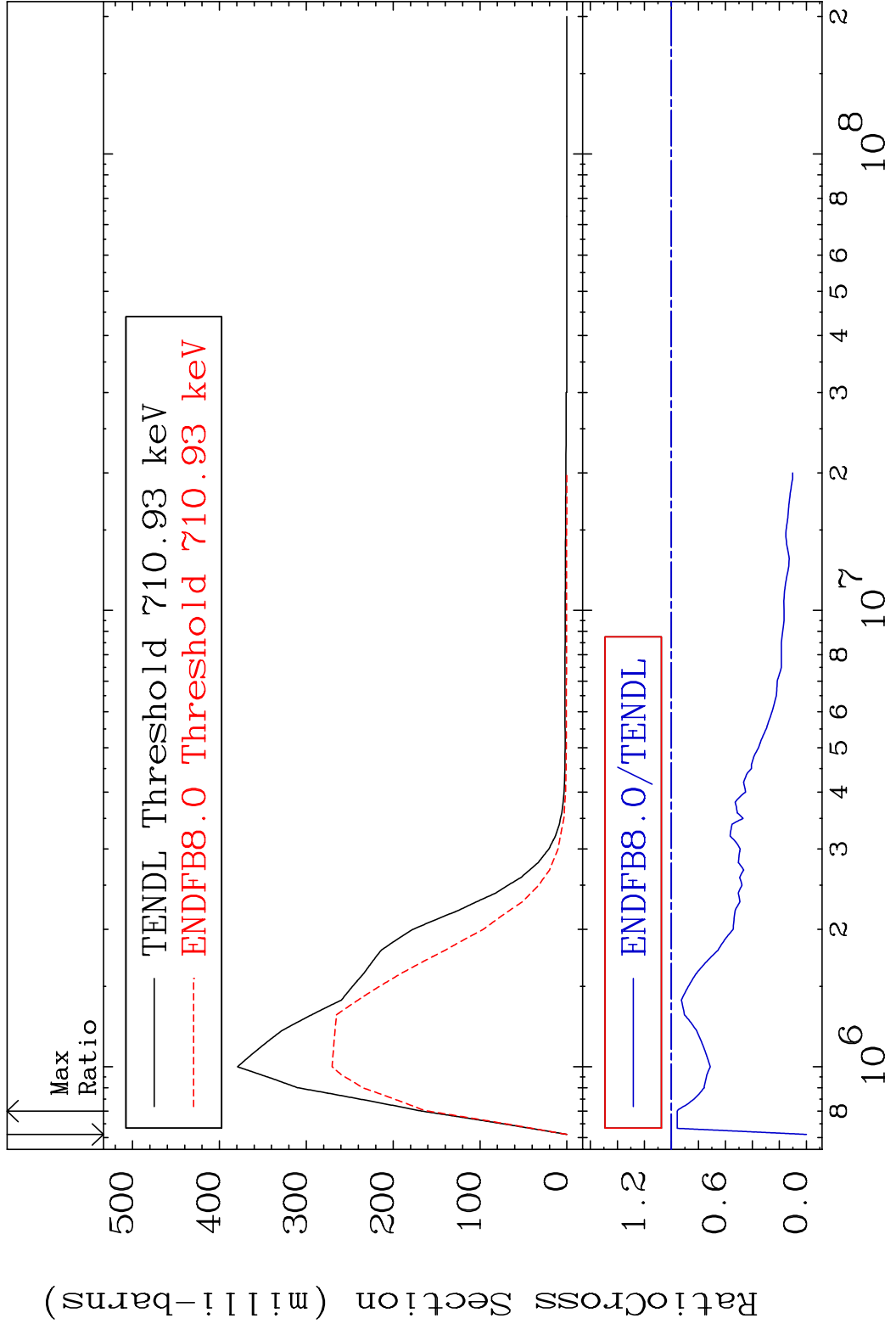


MAT 9452 MT= 54 (n, n') Level 94-Pu-244  
 Cross Section -100.0 To 319.7 %

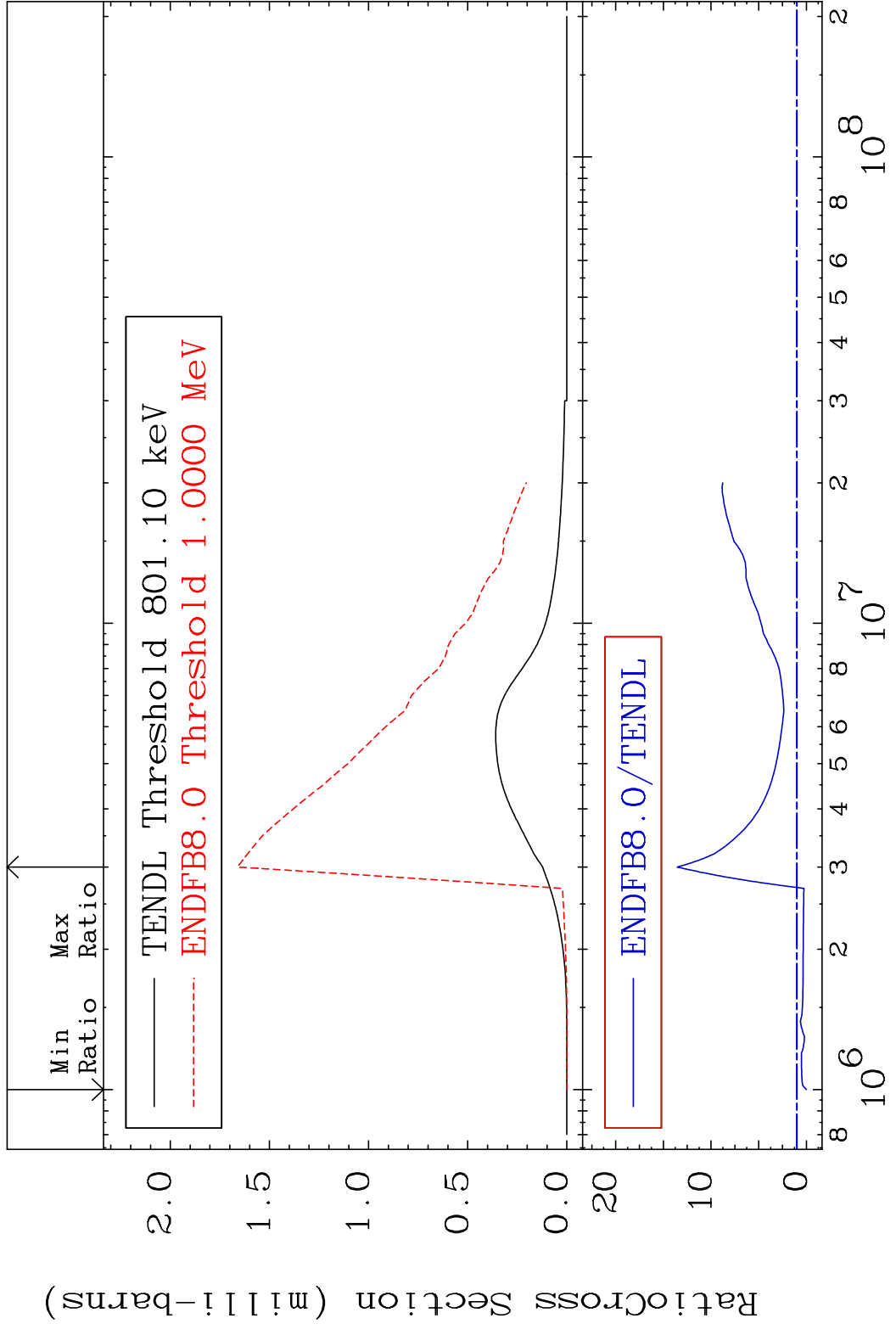




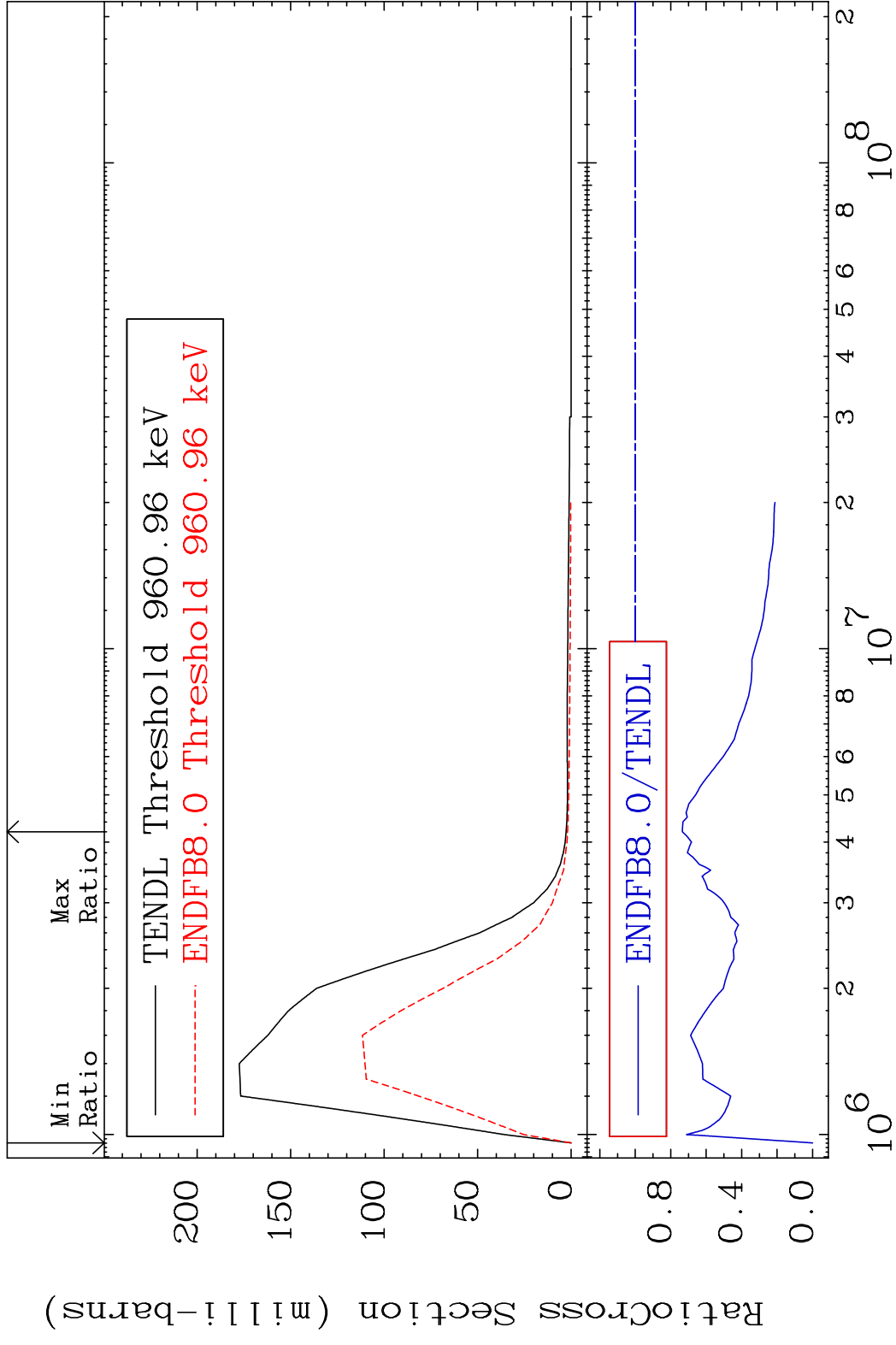
MAT 9452 MT= 55 (n,n') Level 94-Pu-244  
 Cross Section -100.0 To -4.279%



MAT 9452 MT= 56 (n, n') Level 94-Pu-244  
 Cross Section -100.0 To 1255. %



MAT 9452 MT= 57 (n, n') Level 94-Pu-244  
 Cross Section -100.0 To -26.56%



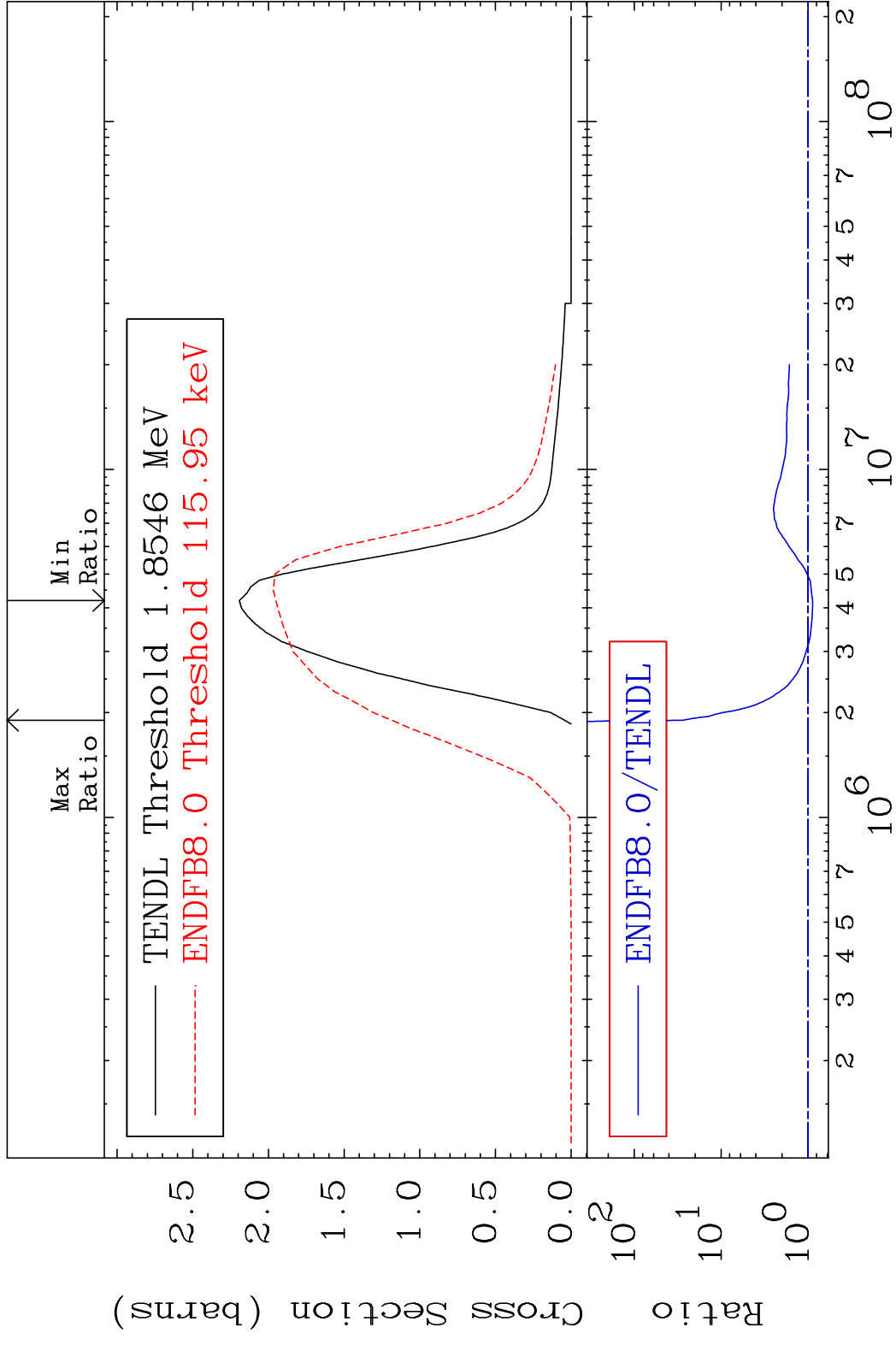
18 Incident Energy (eV) 94-Pu-244

MAT 9452

(n, n') Continuum

94-Pu-244

Cross Section -11.04 To 2703. %

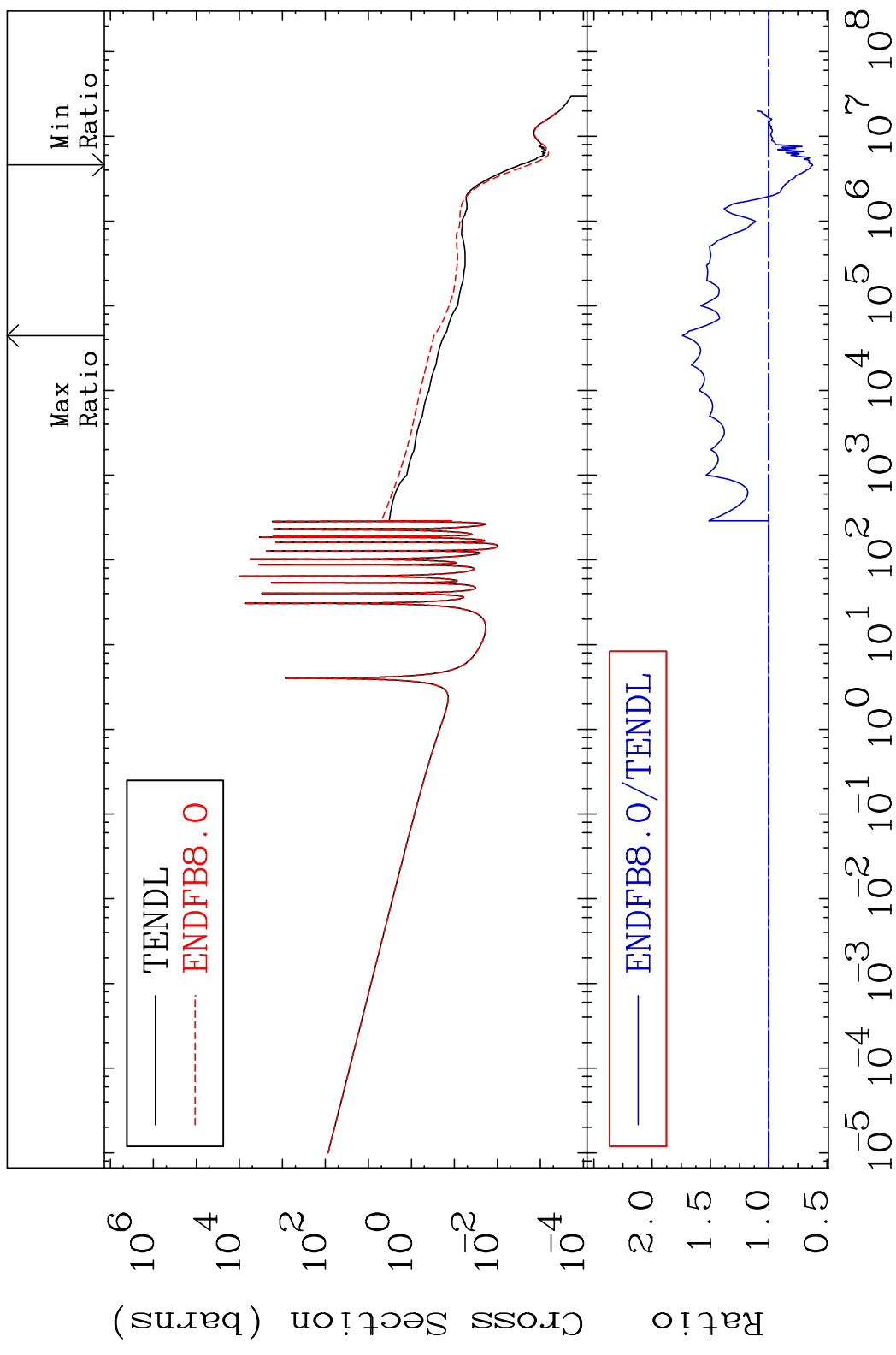


MAT 9452

(n,  $\gamma$ )

94-Pu-244

Cross Section -37.61 To 74.07 %

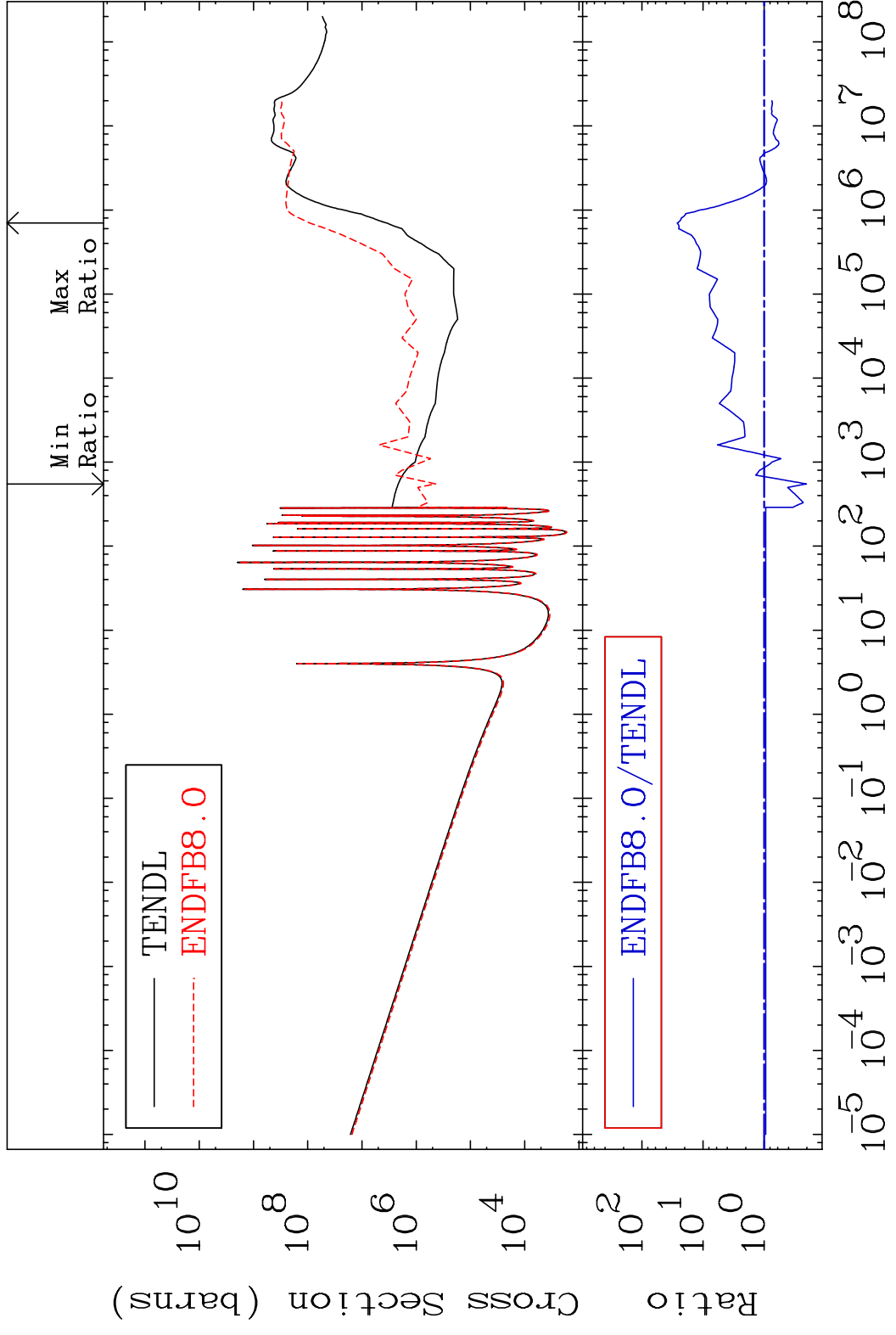


20

Incident Energy (eV)

94-Pu-244

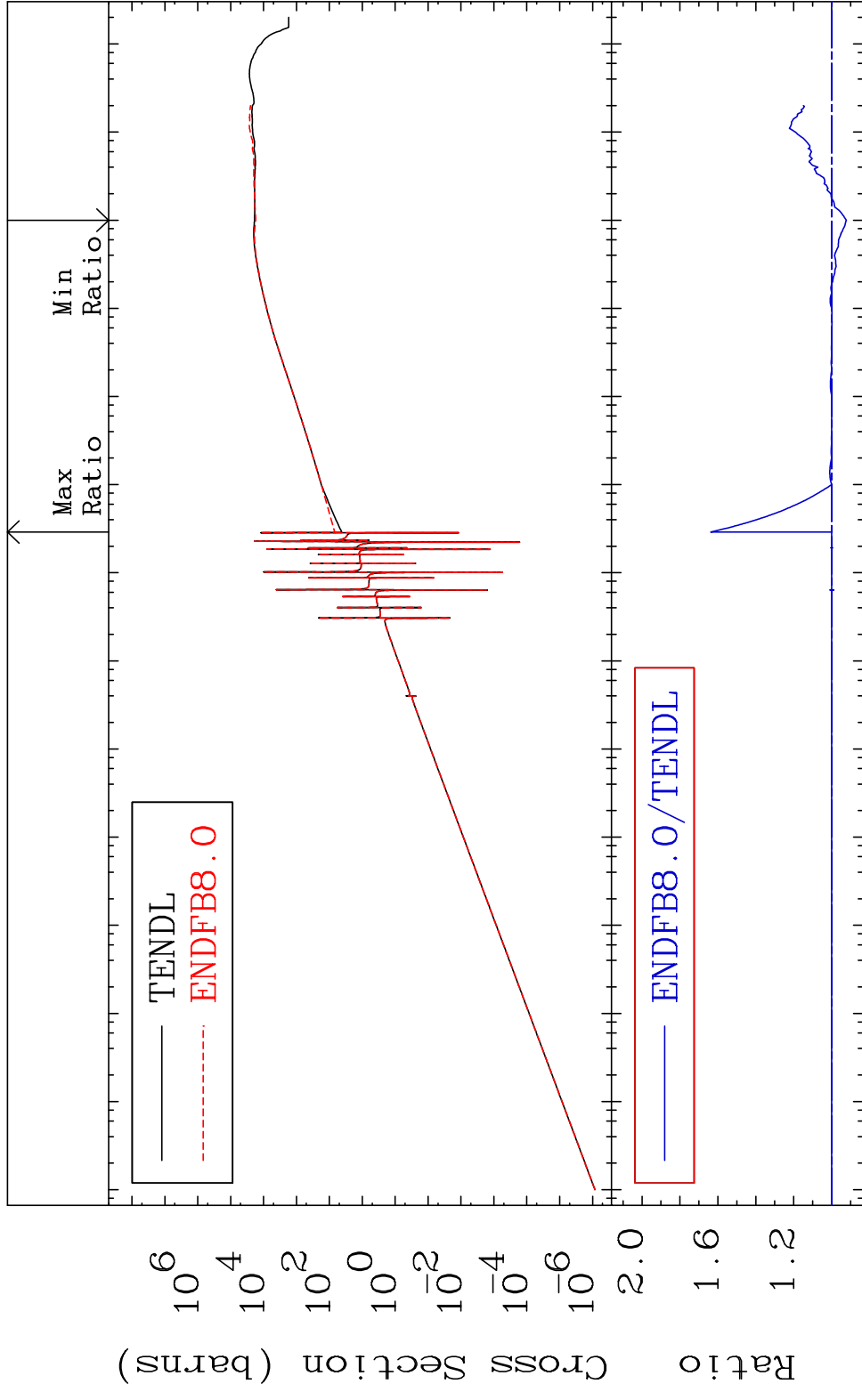
MAT 9452 Kerma total (eV-barns) 94-Pu-244  
 Cross Section -79.64 To 2545. %



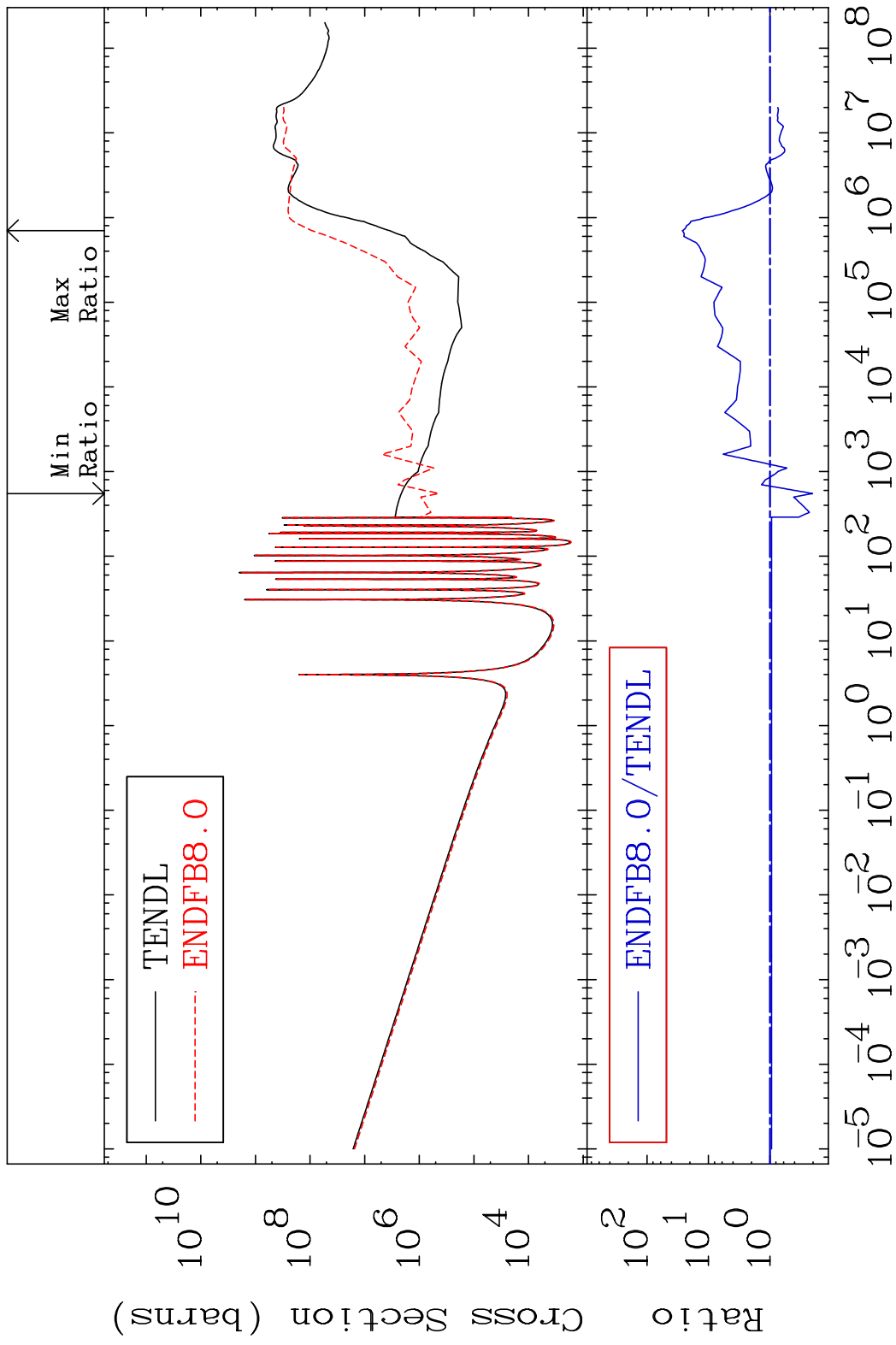
MAT 9452

Kerma elastic  
Cross Section

94-Pu-244  
-7.739 To 63.76 %

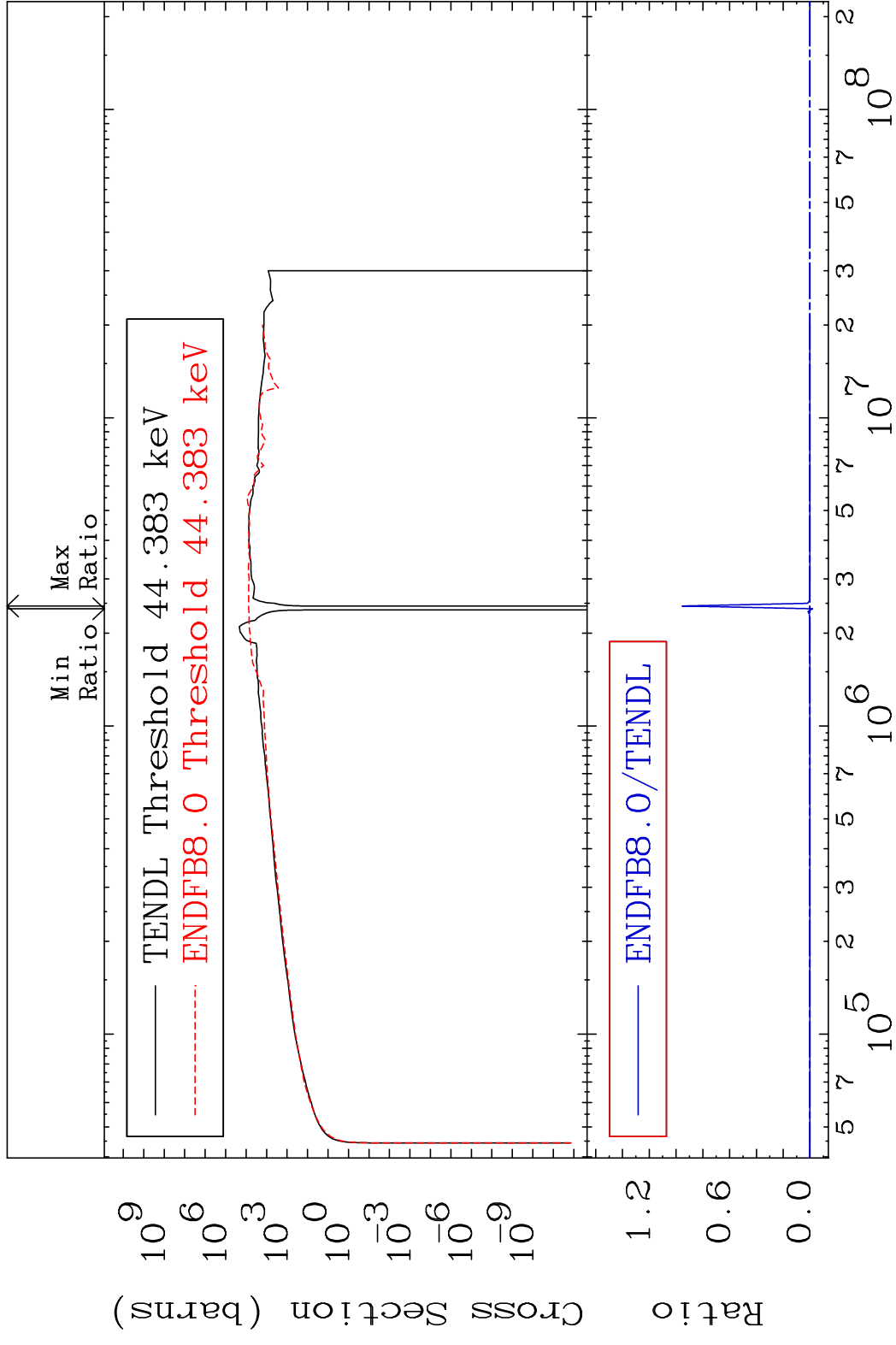


MAT 9452 Kerma non-elastic (all but mt2) 94-Pu-244  
 Cross Section -79.64 To 2560. %

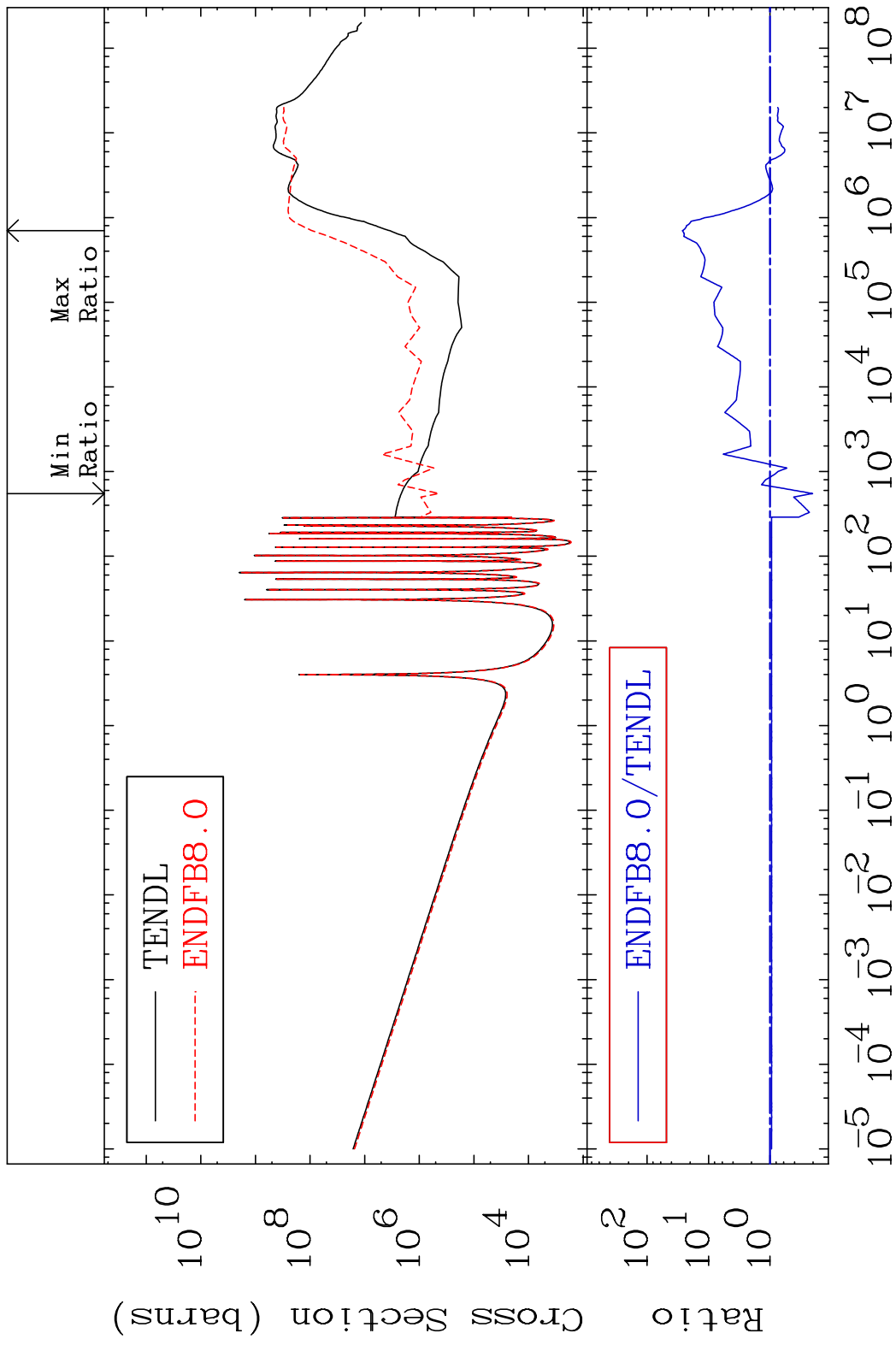




MAT 9452 Kerma inelastic (mt51-91) 94-Pu-244  
 Cross Section -2031. To 9999. %

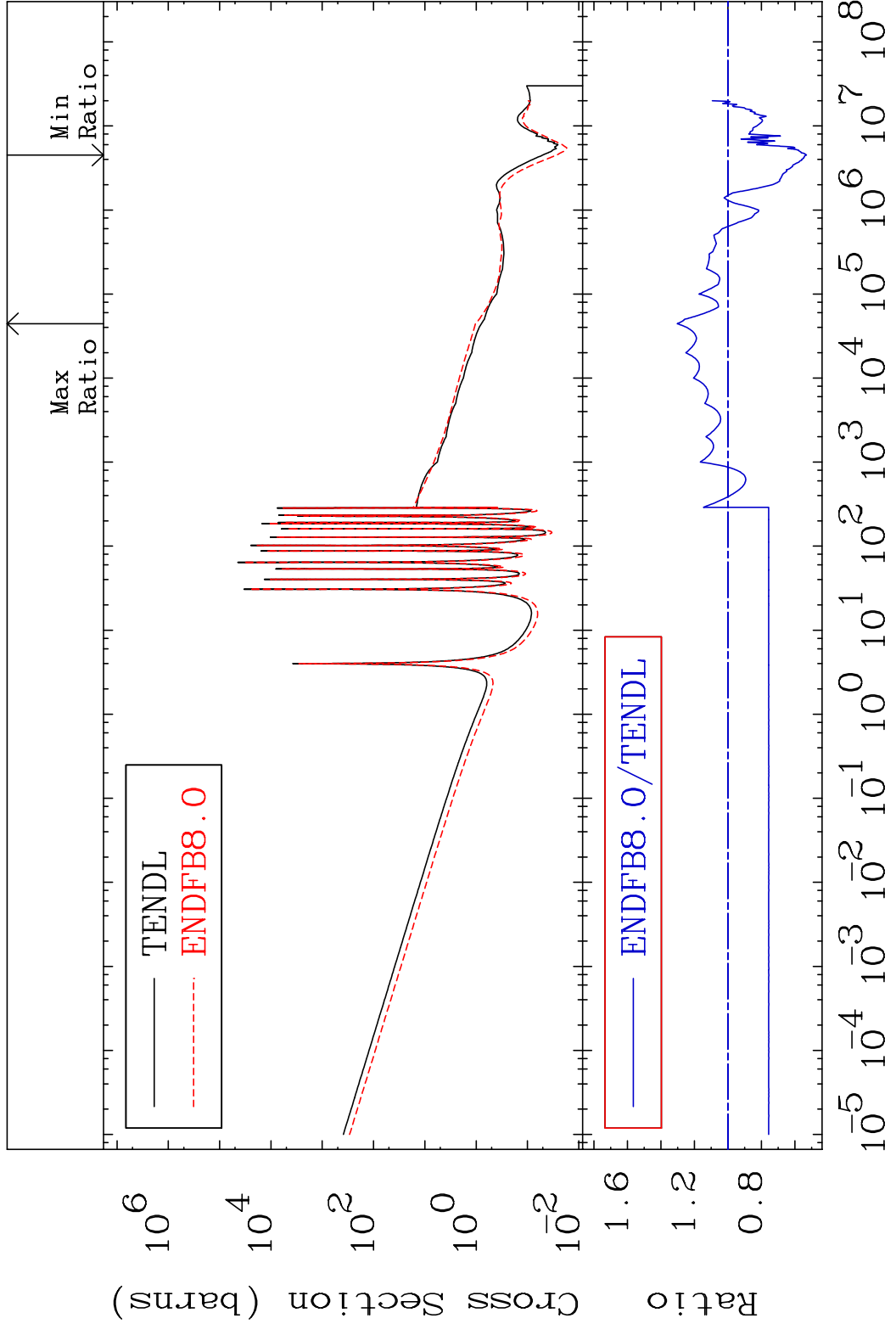


MAT 9452 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-244  
 Cross Section -79.64 To 2568. %



MAT 9452

Kerma capture (mt102) 94-Pu-244  
Cross Section -46.85 To 30.33 %

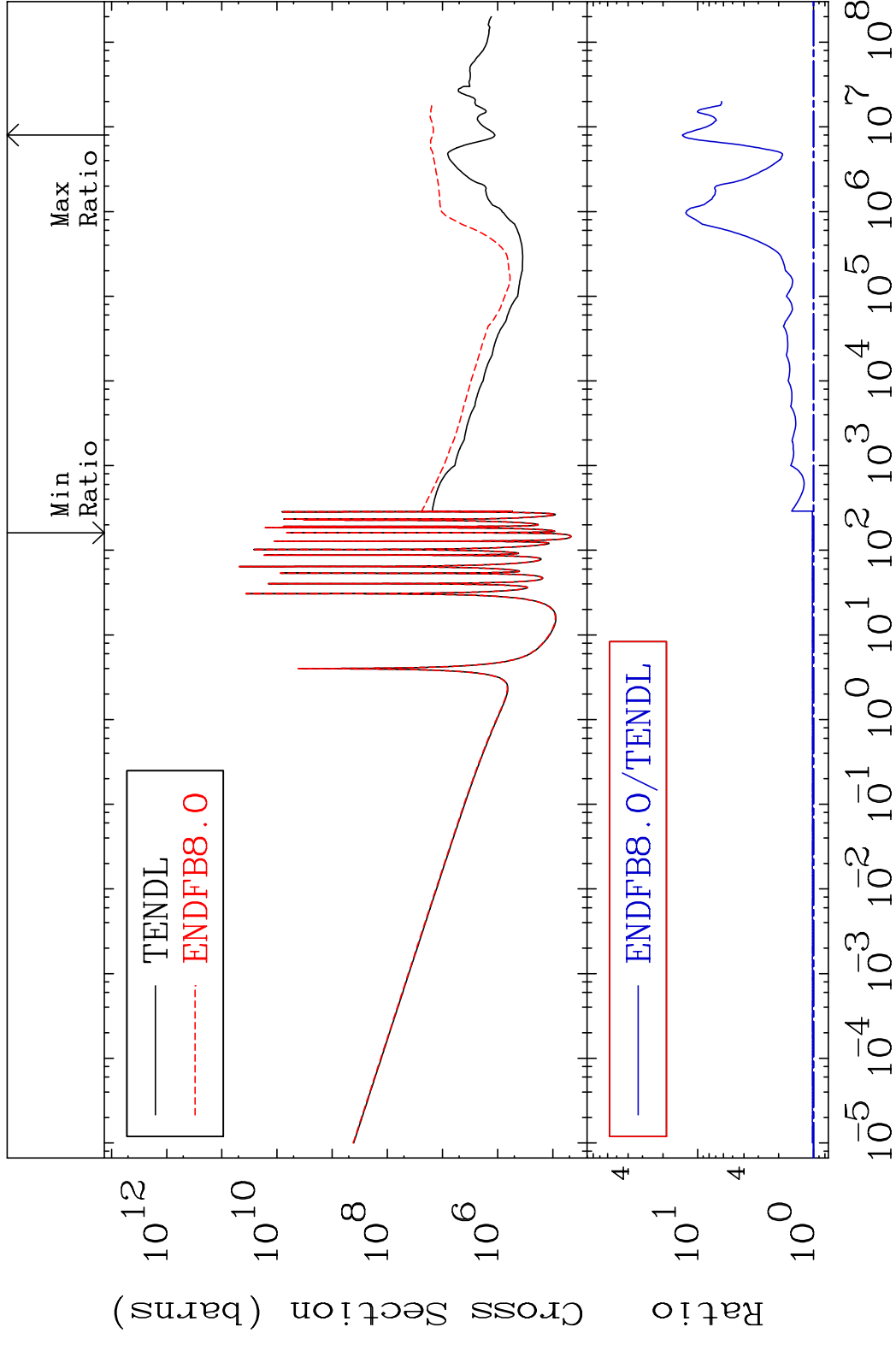


MAT 9452

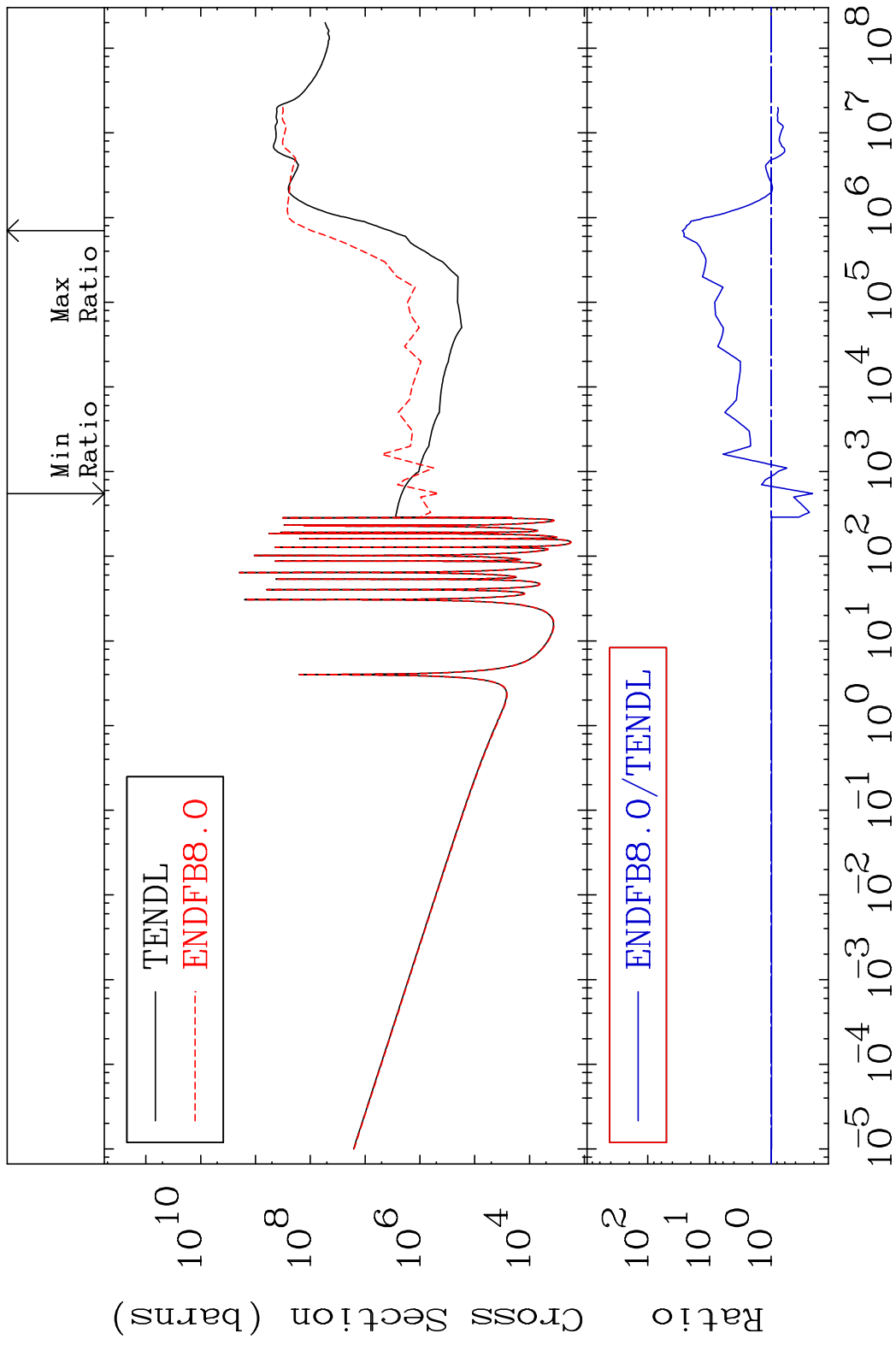
Total photon (eV-barns)

94-Pu-244

Cross Section 2.110 To 1258. %



MAT 9452 Total kinematic kerma (high limit) 94-Pu-244  
 Cross Section -78.83 To 2651. %

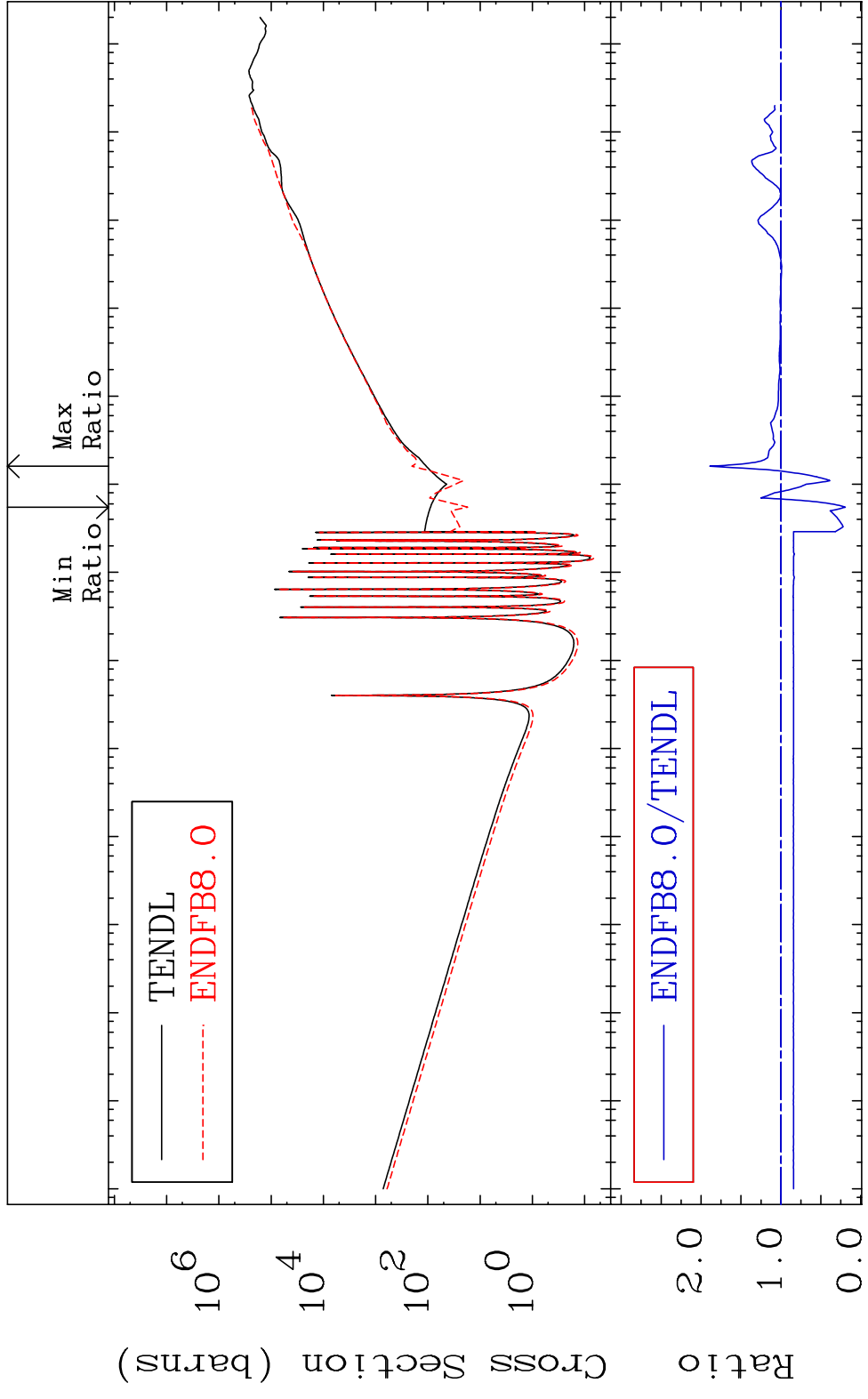


MAT 9452

Dpa total (eV-barns)

94-Pu-244

Cross Section -80.49 To 89.05 %

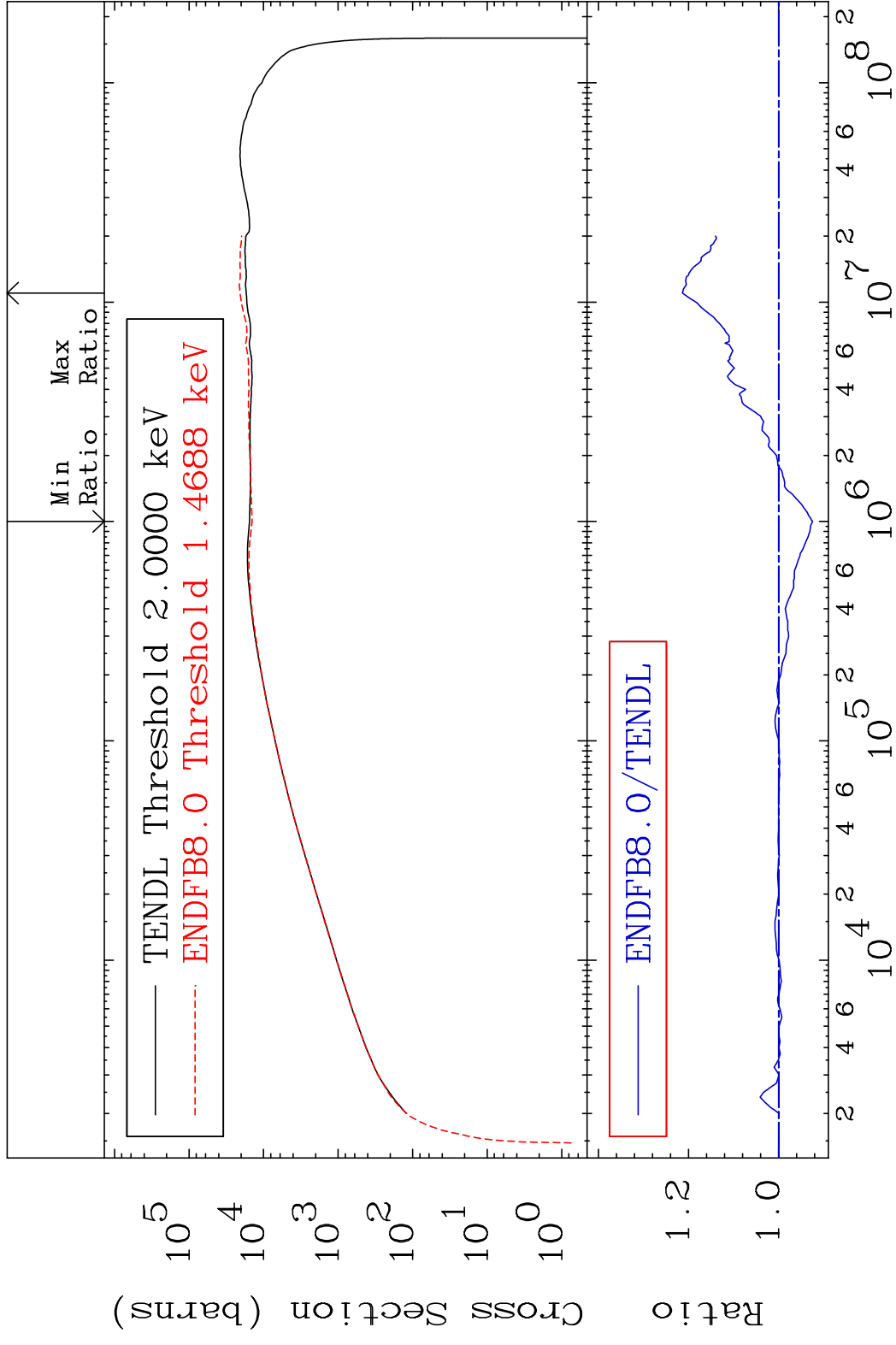


MAT 9452

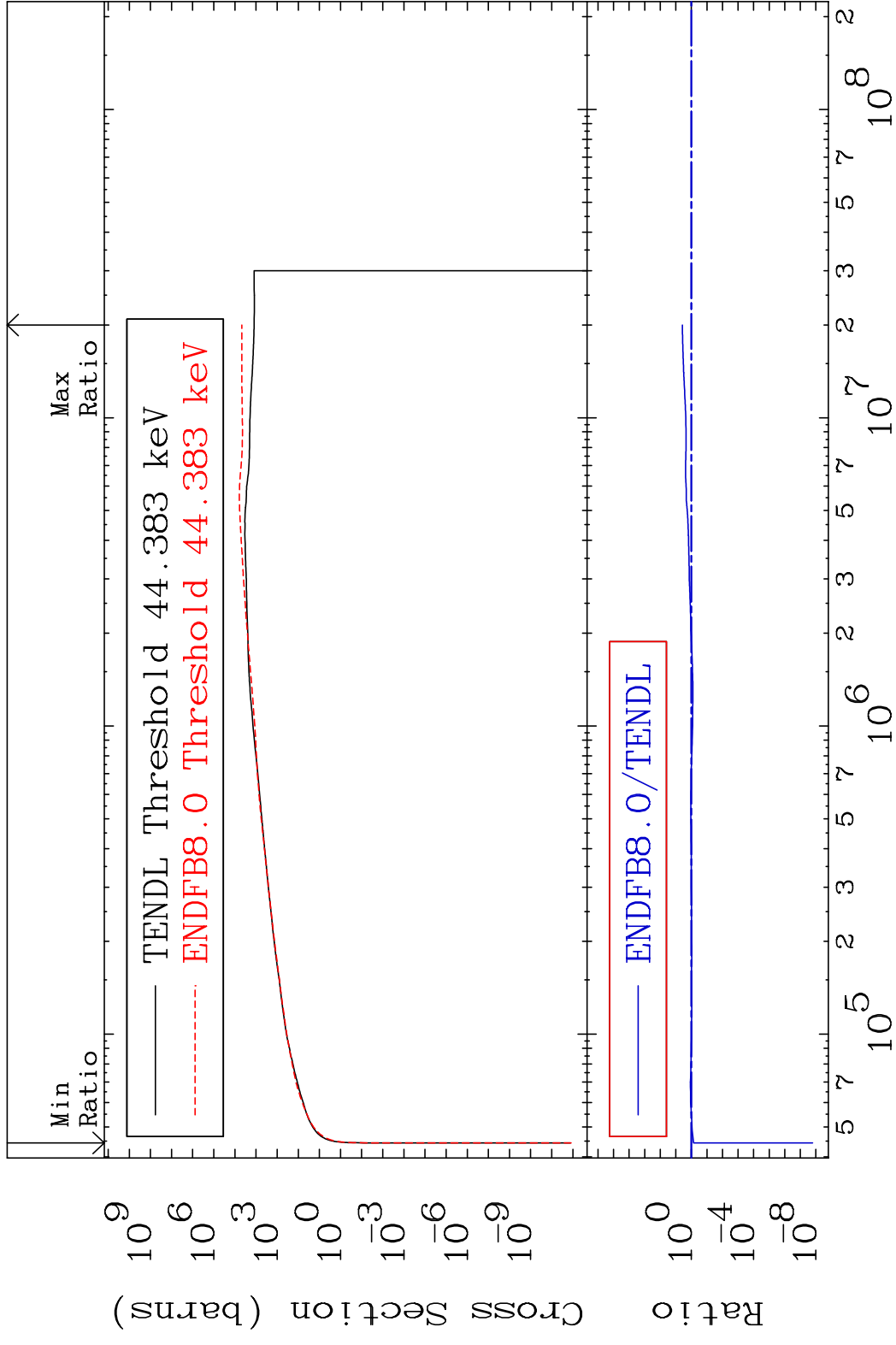
Dpa elastic (mt2)

94-Pu-244

Cross Section -7.516 To 21.40 %



MAT 9452 Dpa inelastic (mt51-91) 94-Pu-244  
 Cross Section -100.0 To 278.4 %





MAT 9452    Dpa disappearance (mt102 -120)    94-Pu-244  
 Cross Section    -99.99 To 5.146 %

