

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

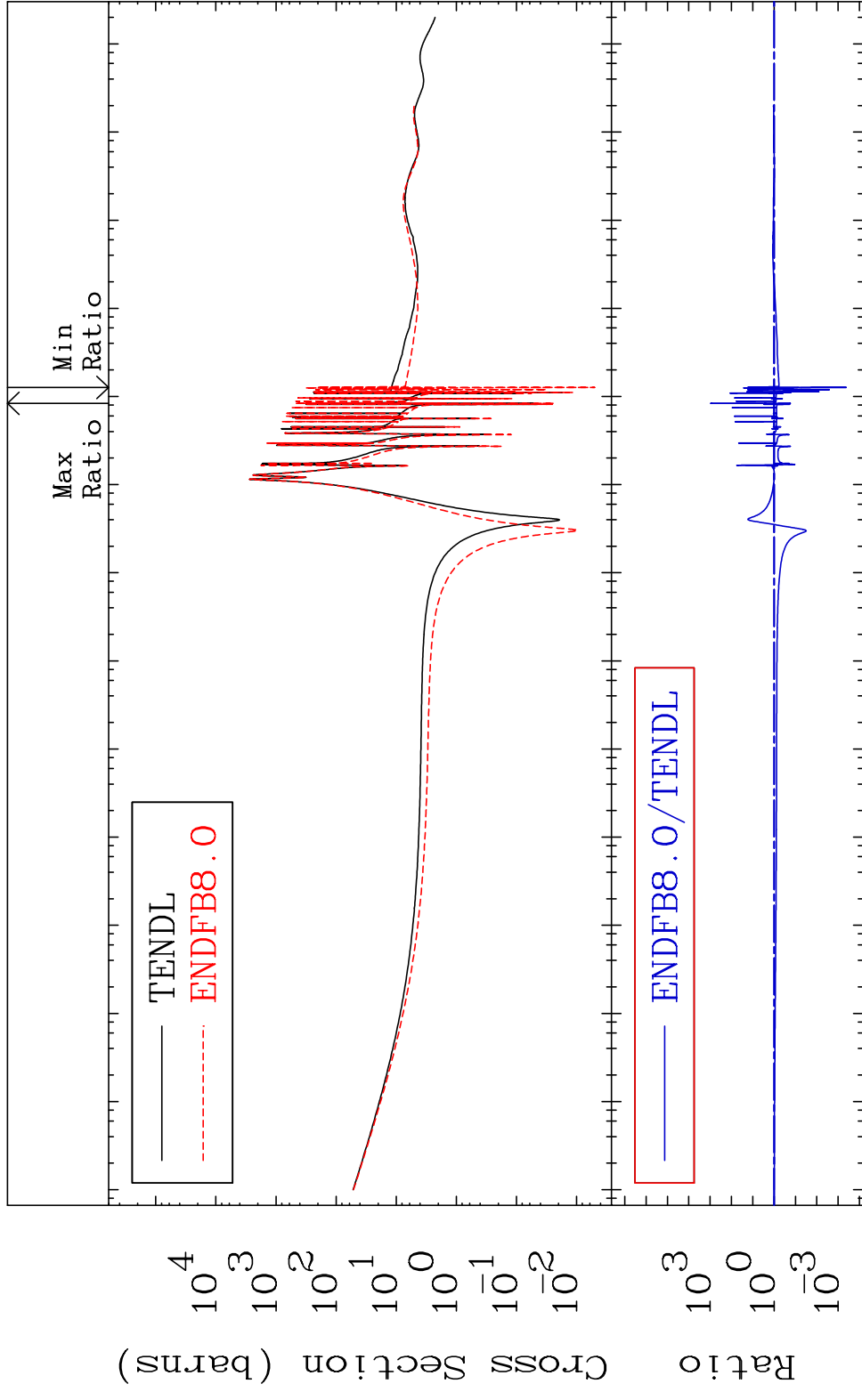
MAT 5843

Total

58-Ce-142

Cross Section

-99.96 To 9999. %



1

Incident Energy (eV)

58-Ce-142

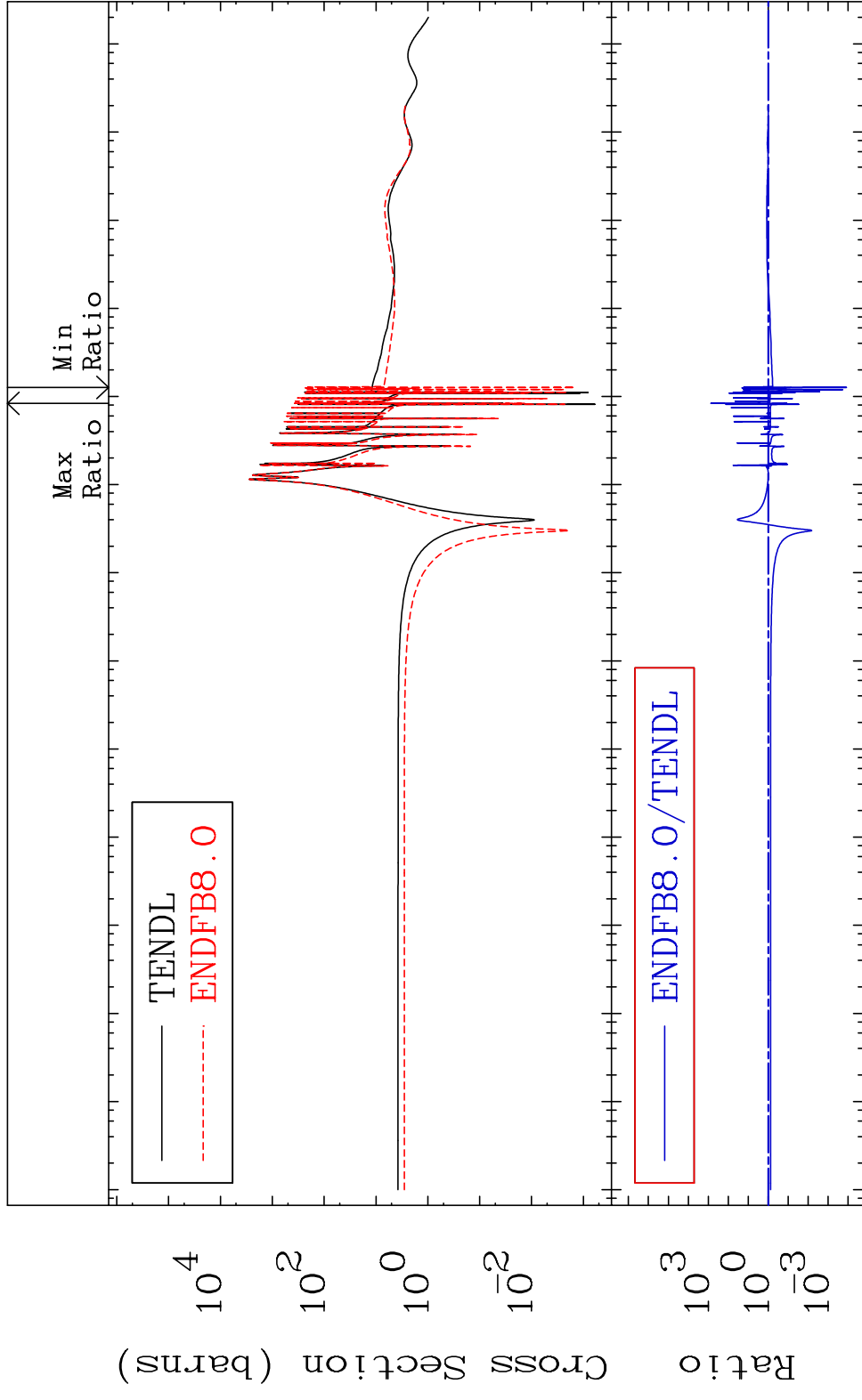
MAT 5843

Elastic

58-Ce-142

Cross Section

-99.99 To 9999. %



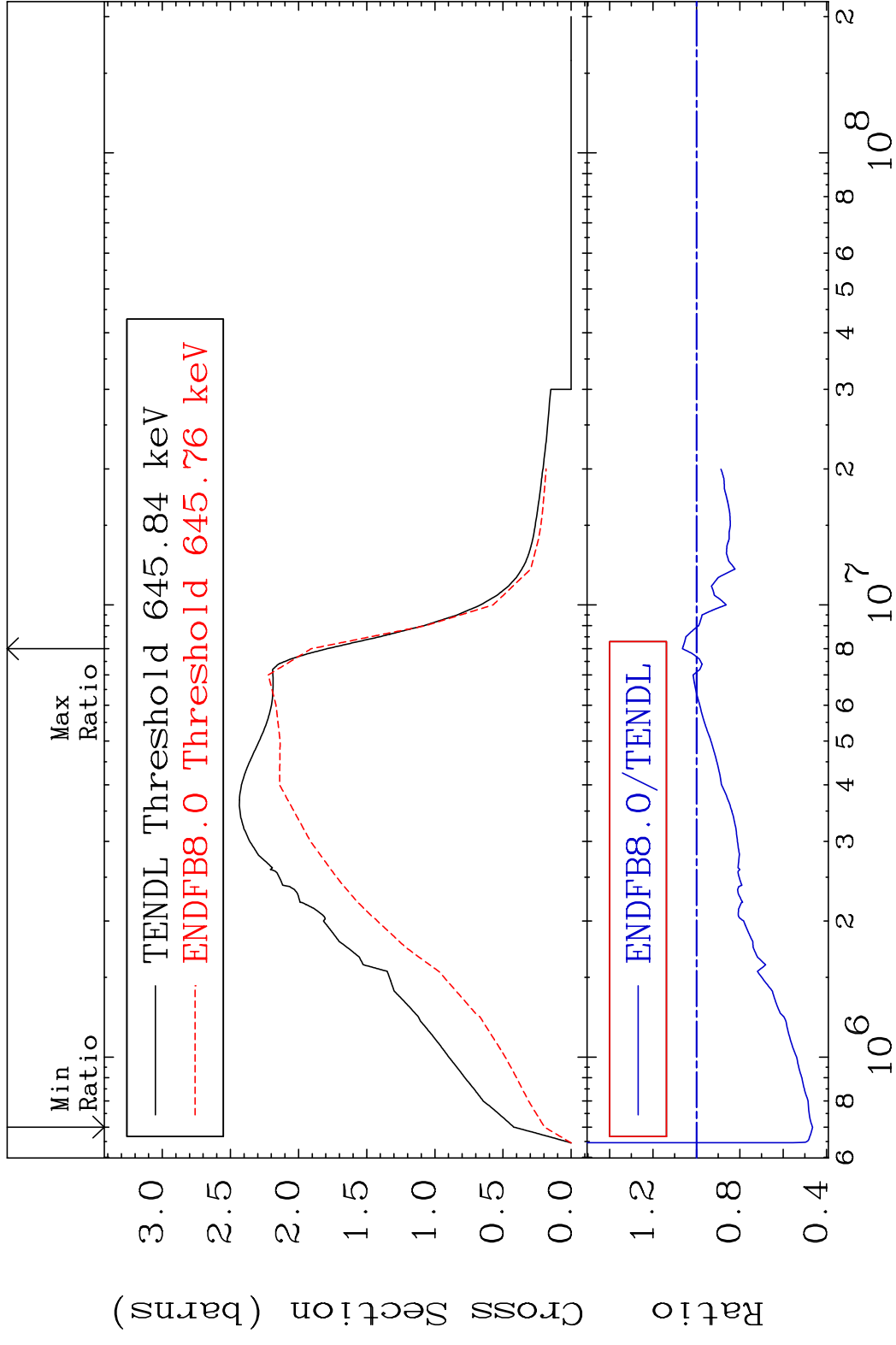
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

58-Ce-142

MAT 5843 Inelastic 58-Ce-142  
 Cross Section -53.51 To 6.495 %



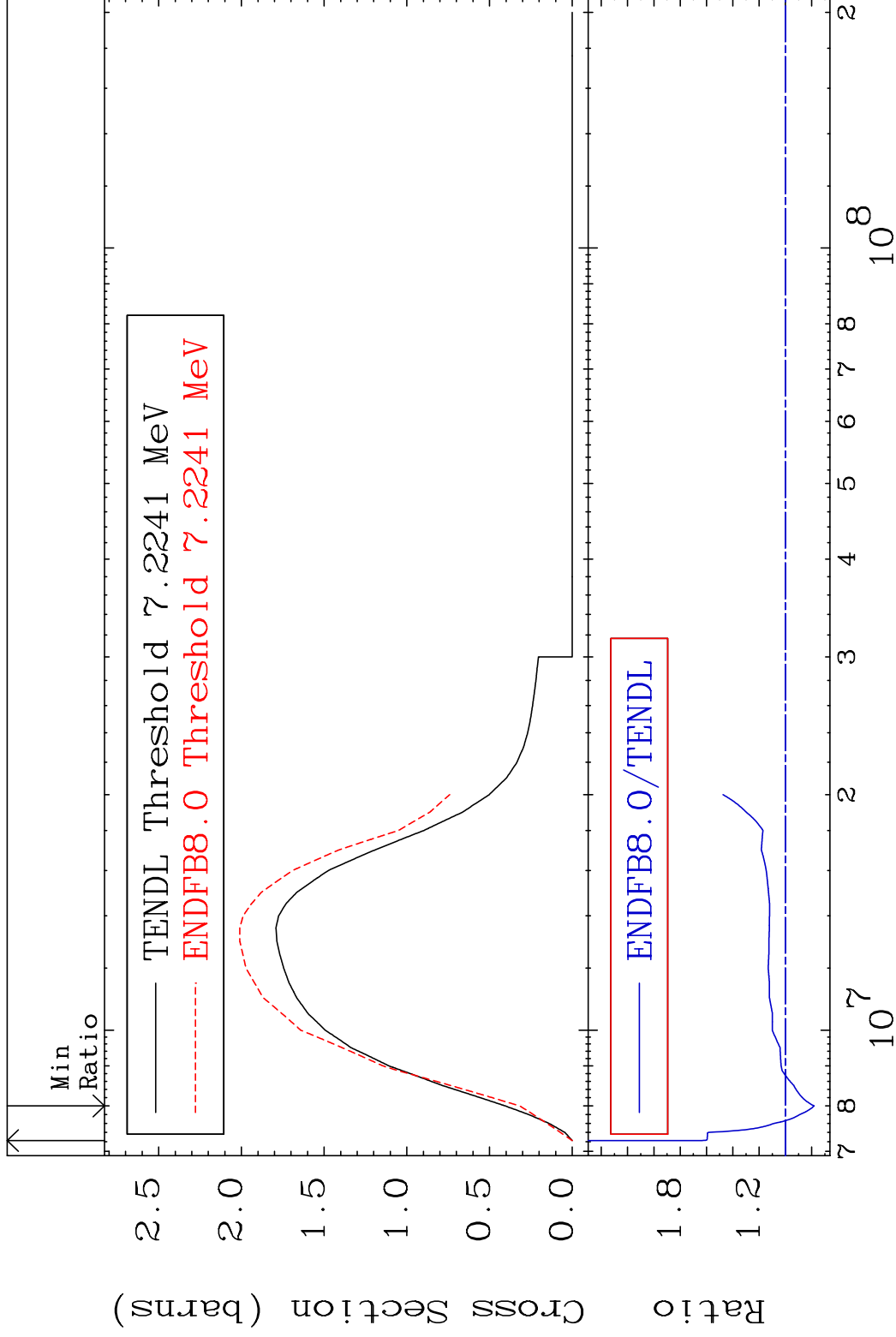
3 3 Incident Energy (eV) 58-Ce-142

MAT 5843

(n,2n)

58-Ce-142

Cross Section -21.81 To 77.37 %



4

Incident Energy (eV)

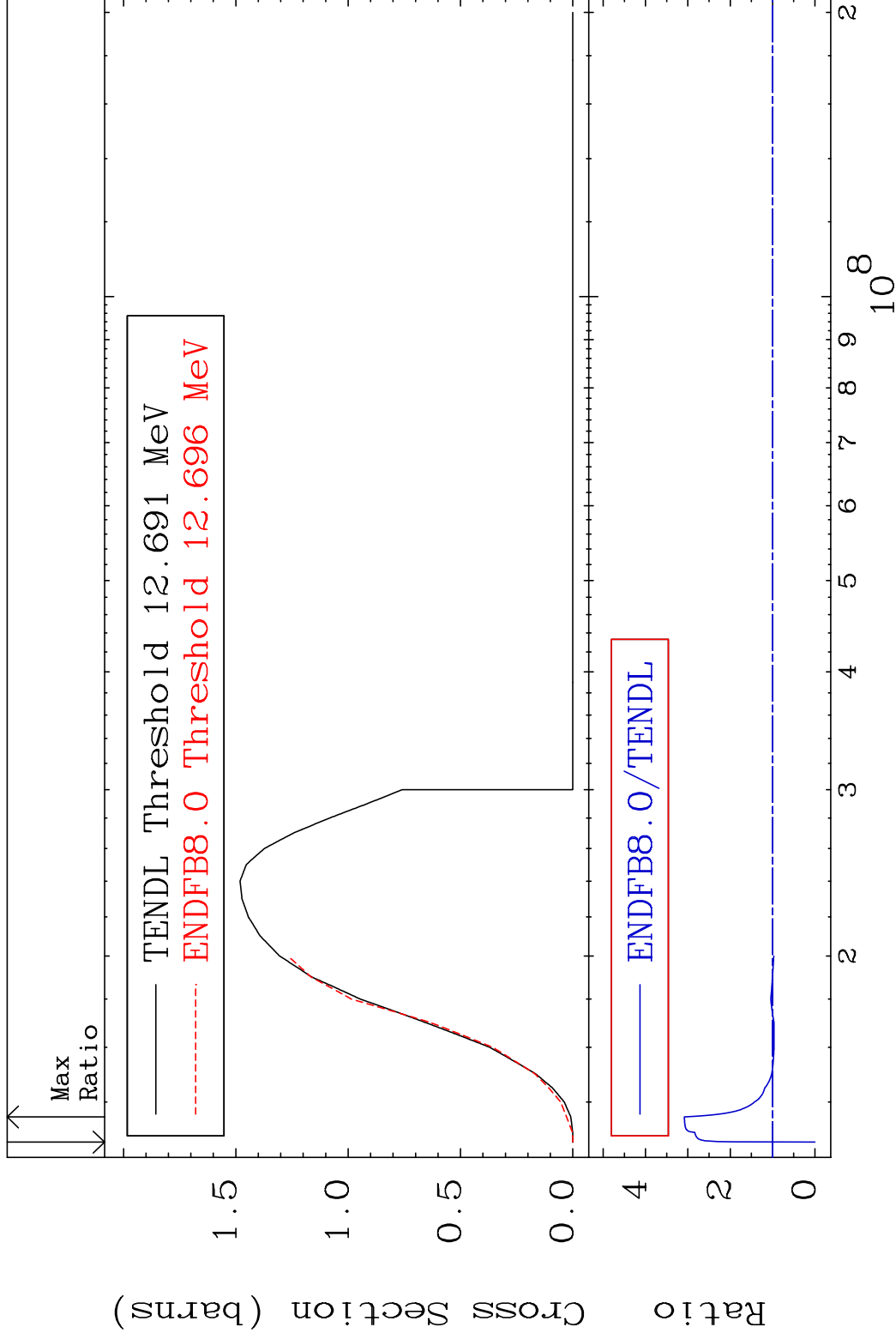
58-Ce-142

MAT 5843

(n,3n)

58-Ce-142

Cross Section -100.0 To 208.4 %



5

Incident Energy (eV)

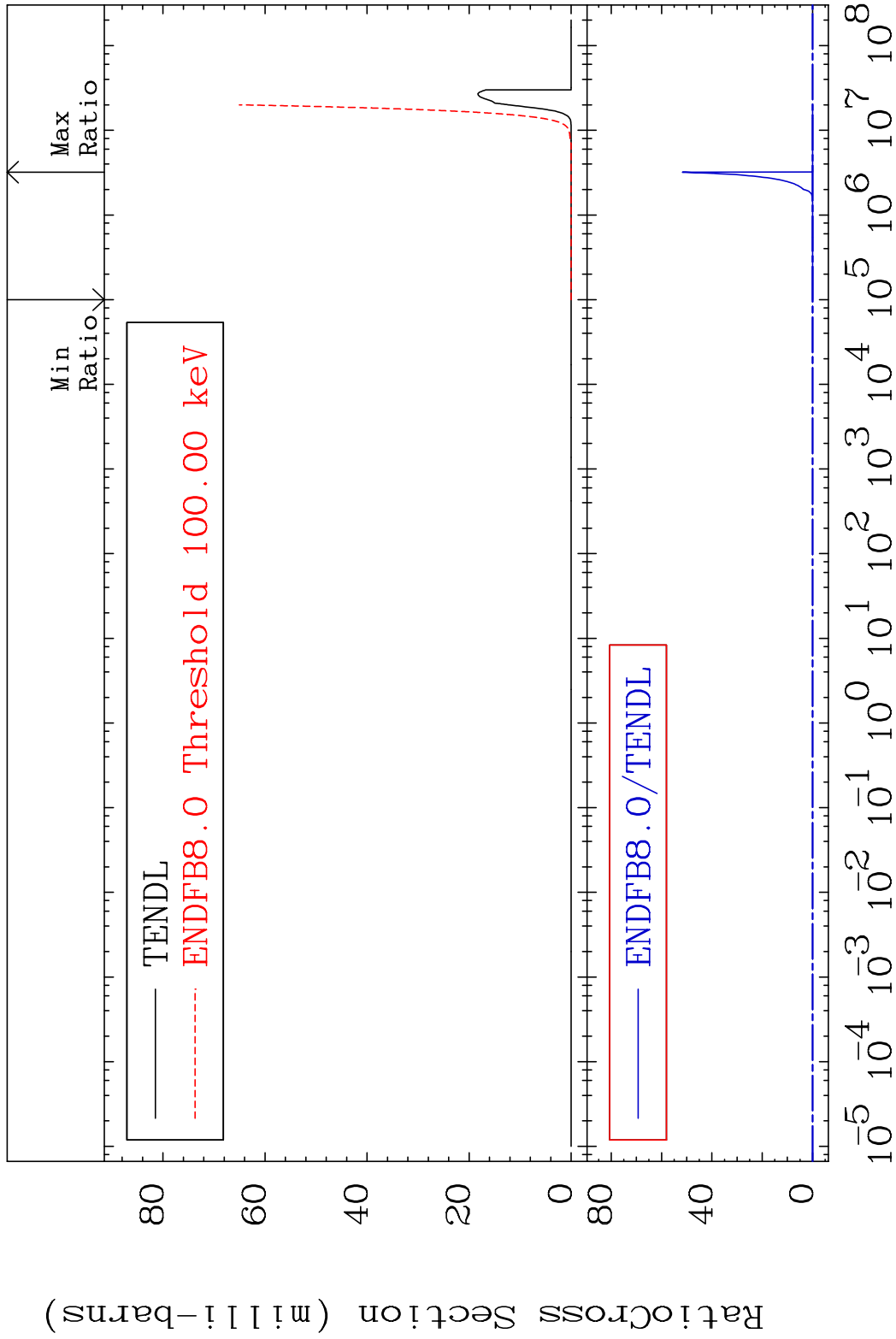
58-Ce-142

MAT 5843

(n, n')  $\alpha$

58-Ce-142

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

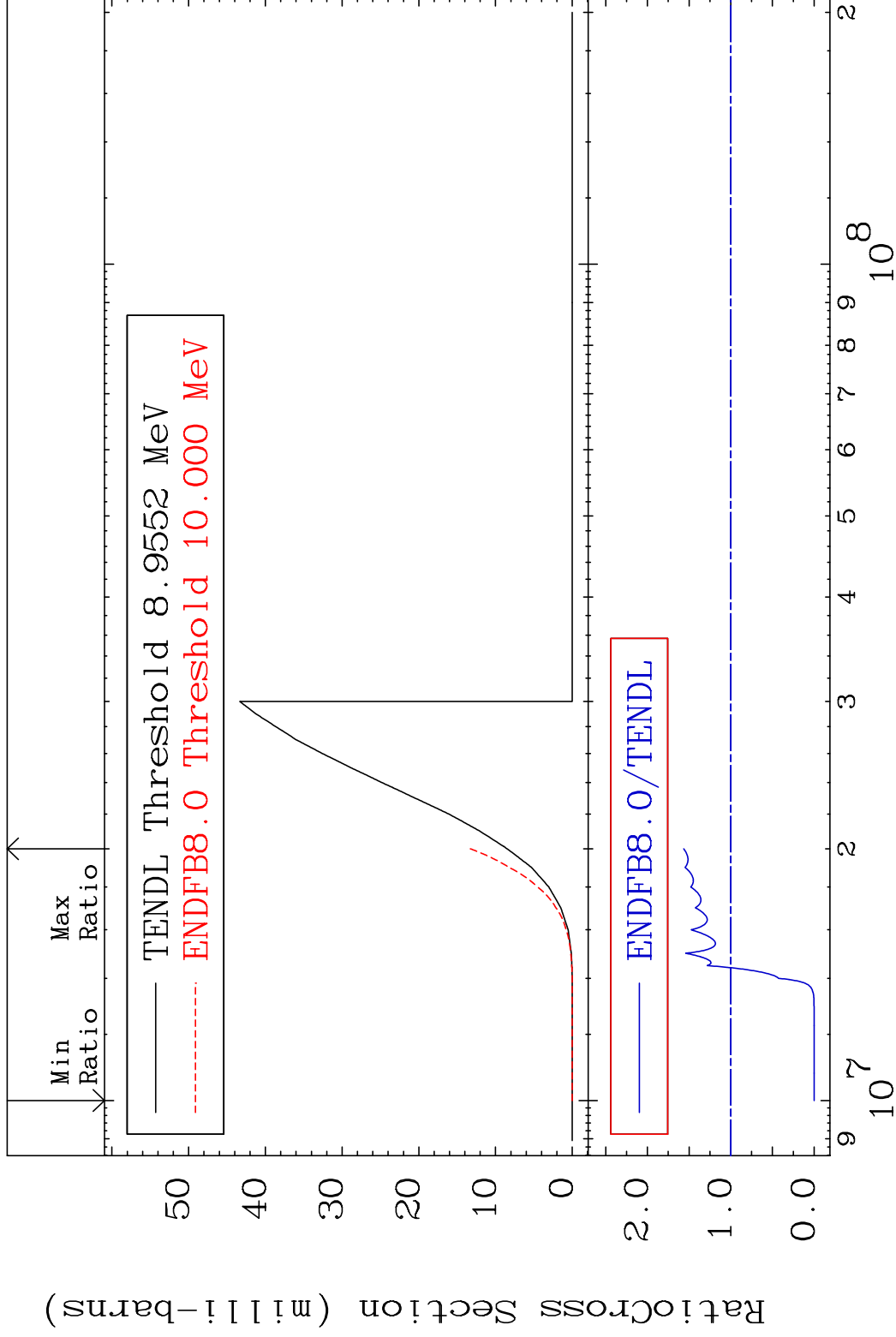
58-Ce-142

MAT 5843

(n, n') p

58-Ce-142

Cross Section -100.0 To 56.52 %



7

Incident Energy (eV)

58-Ce-142

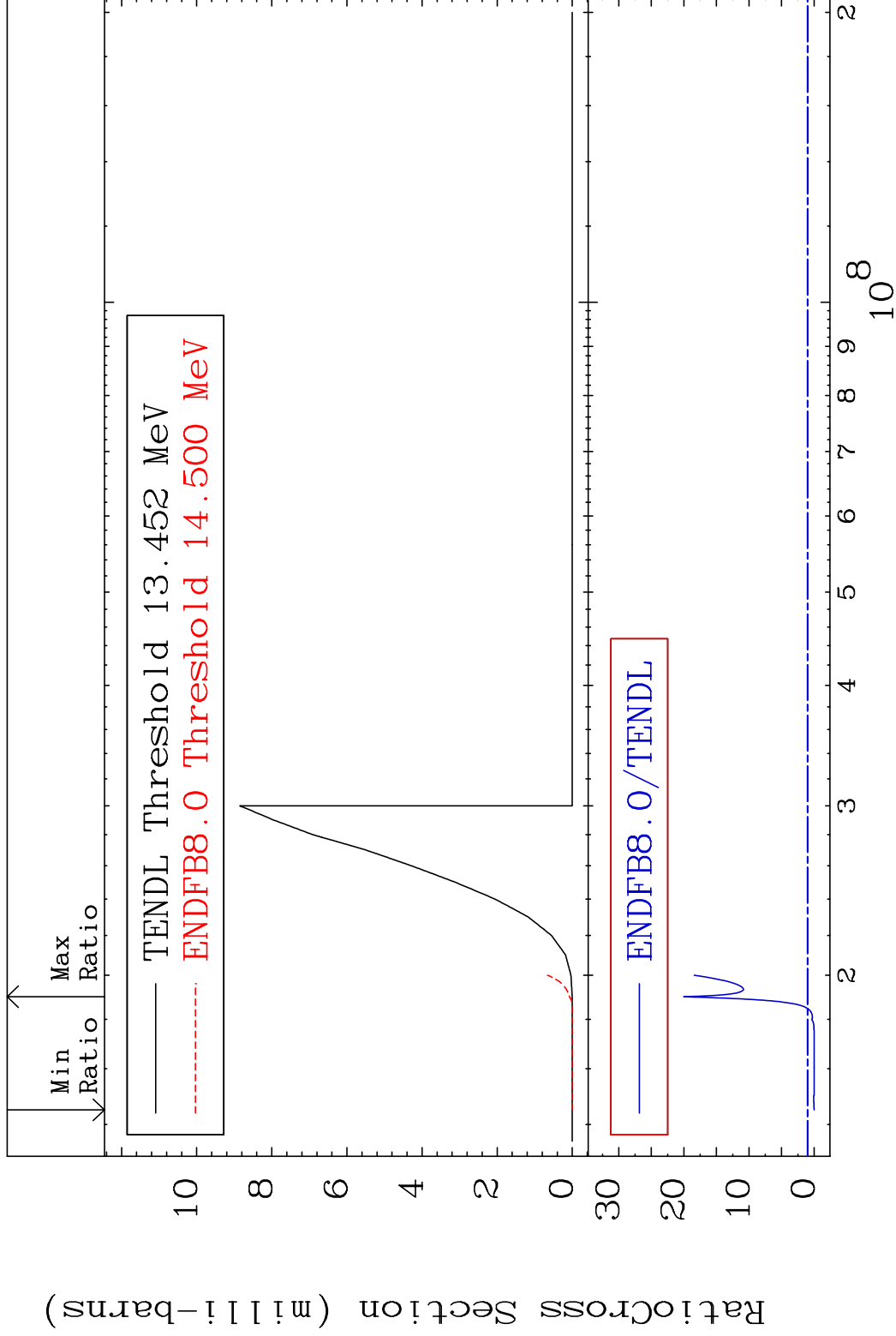


MAT 5843

(n, n') d

58-Ce-142

Cross Section -100.0 To 1904. %



8

Incident Energy (eV)

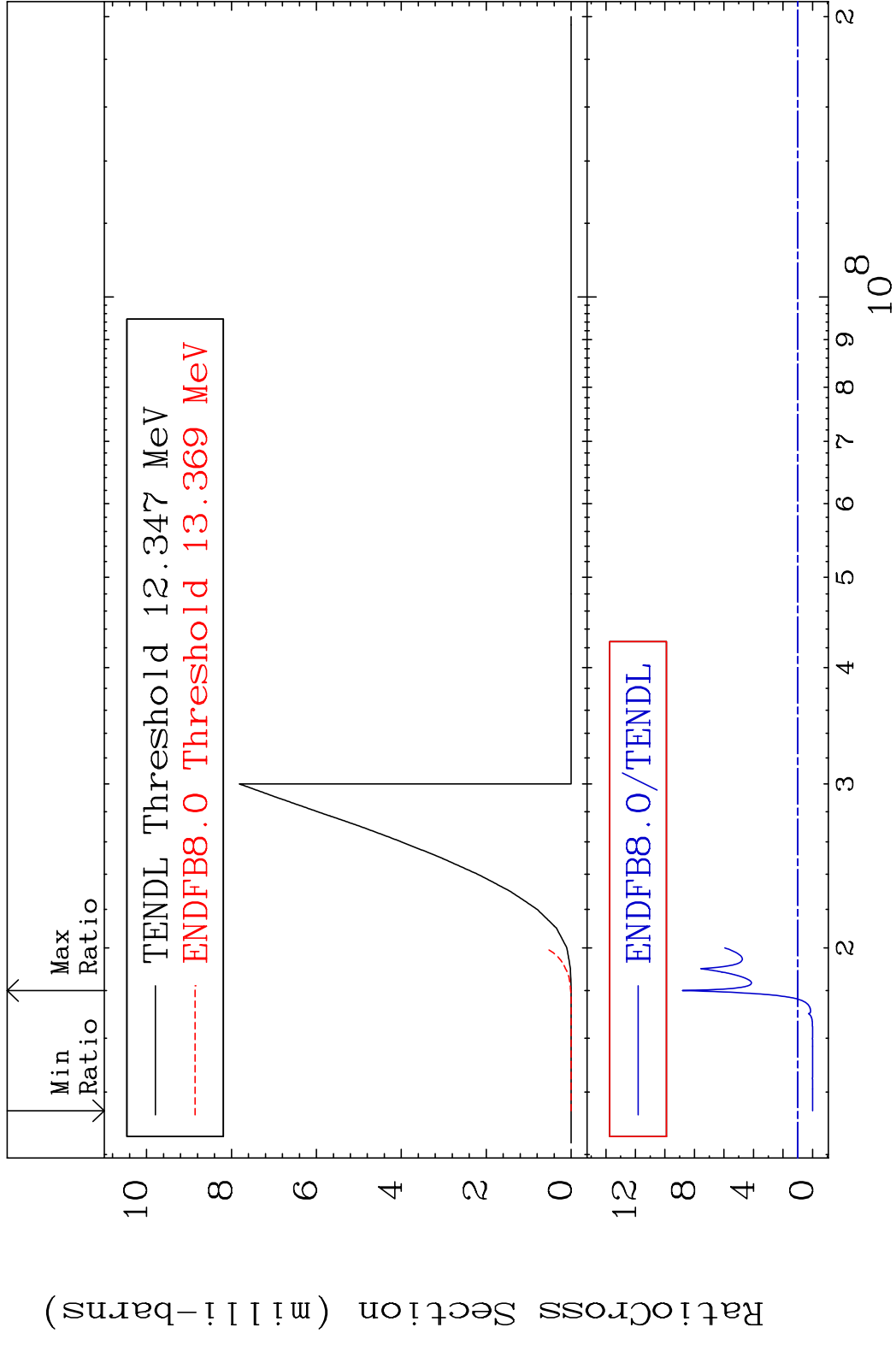
58-Ce-142

MAT 5843

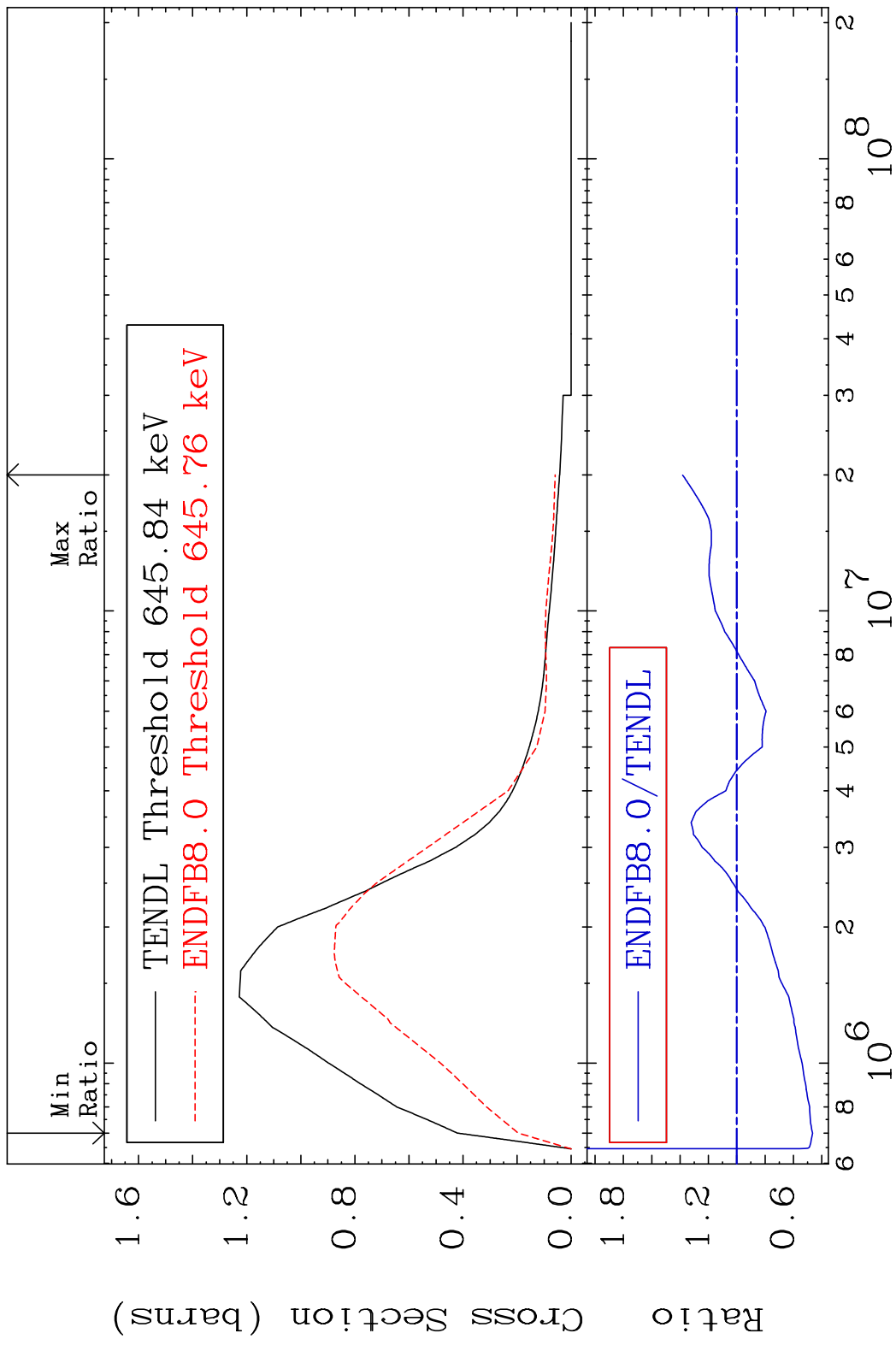
(n, n') t

58-Ce-142

Cross Section -100.0 To 782.0 %

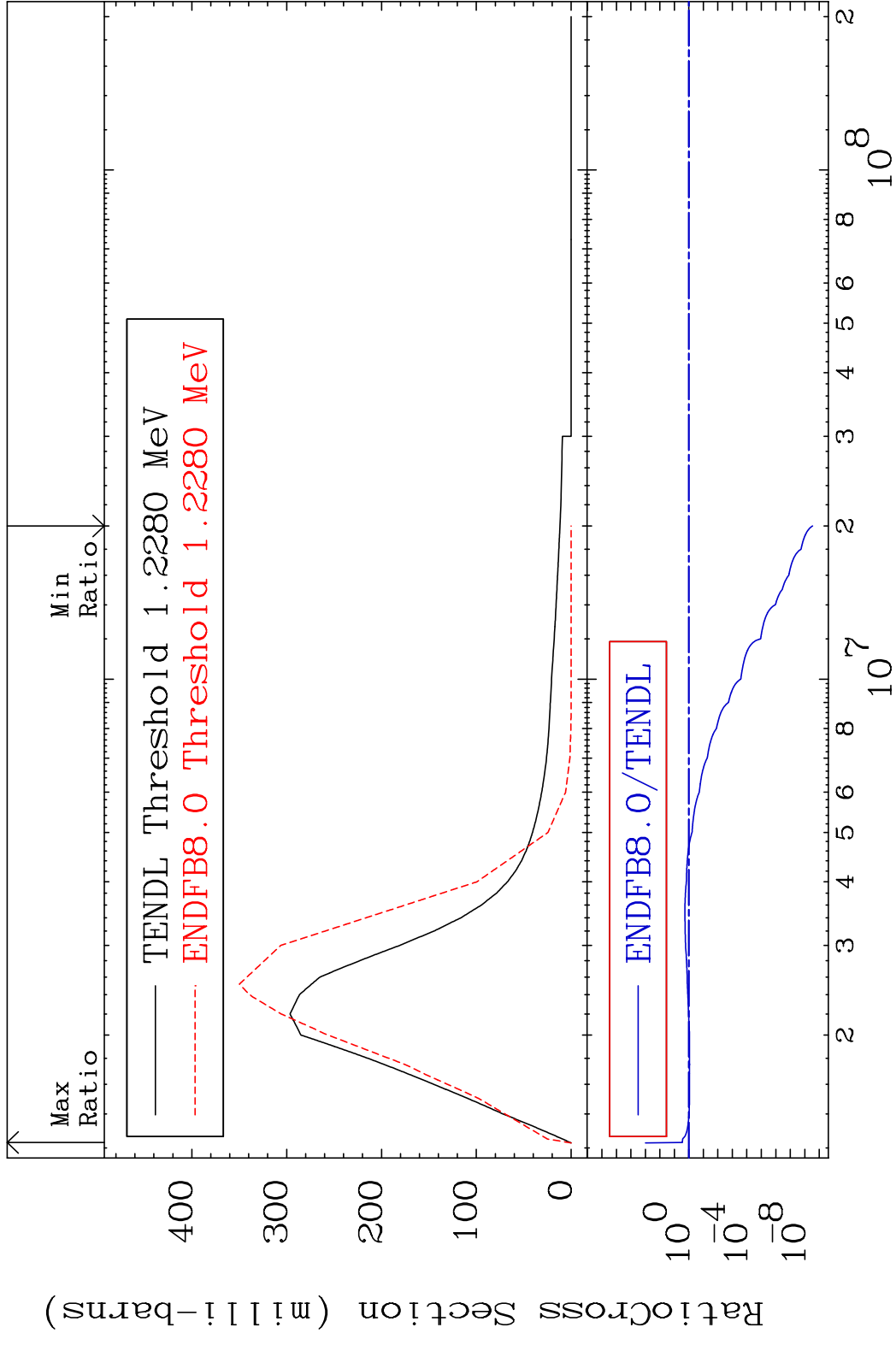


MAT 5843 MT= 51 (n, n') Level 58-Ce-142  
 Cross Section -53.51 To 38.40 %

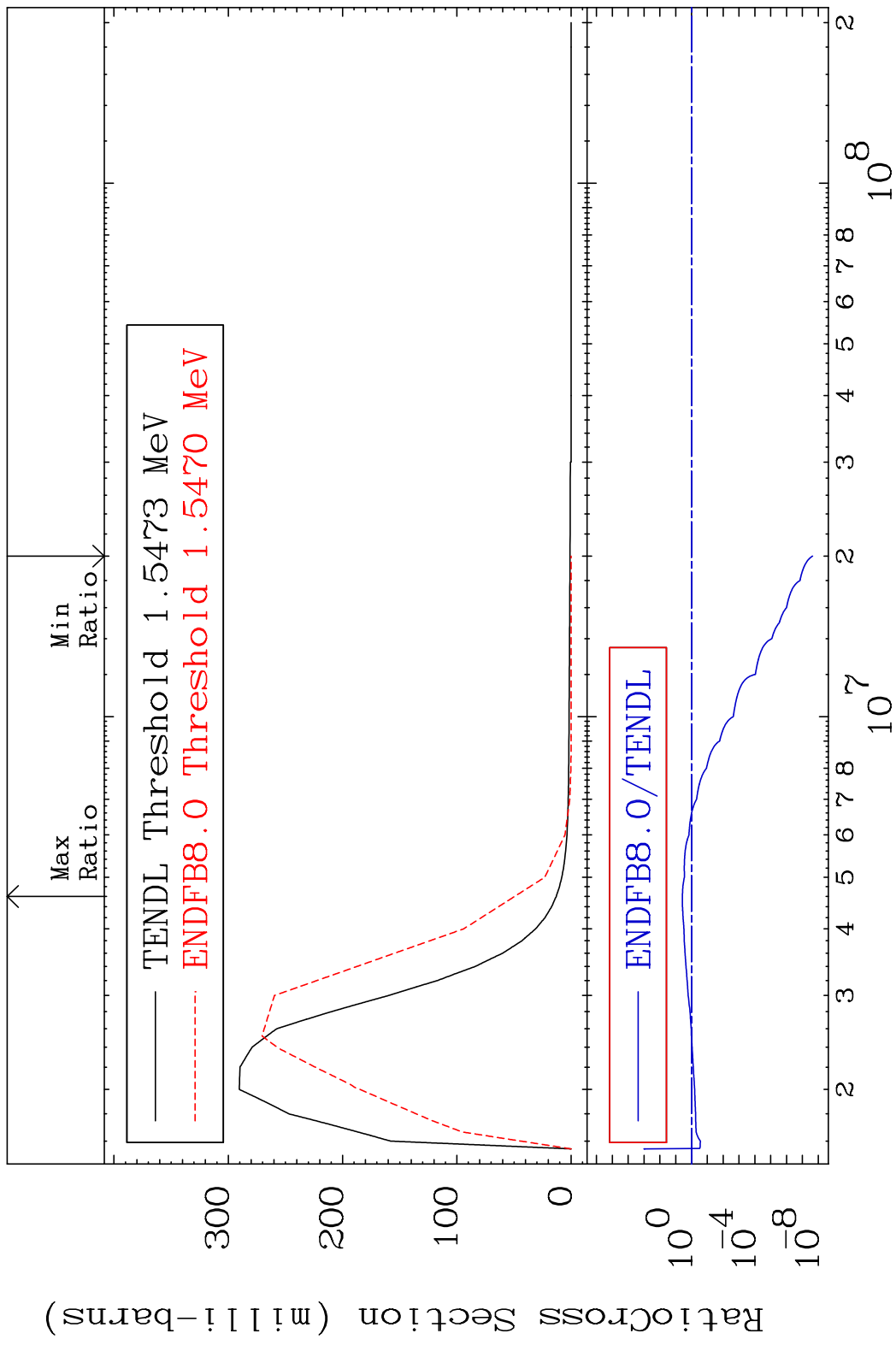


10 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 52 (n, n') Level 58-Ce-142  
 Cross Section -100.0 To 180.3 %

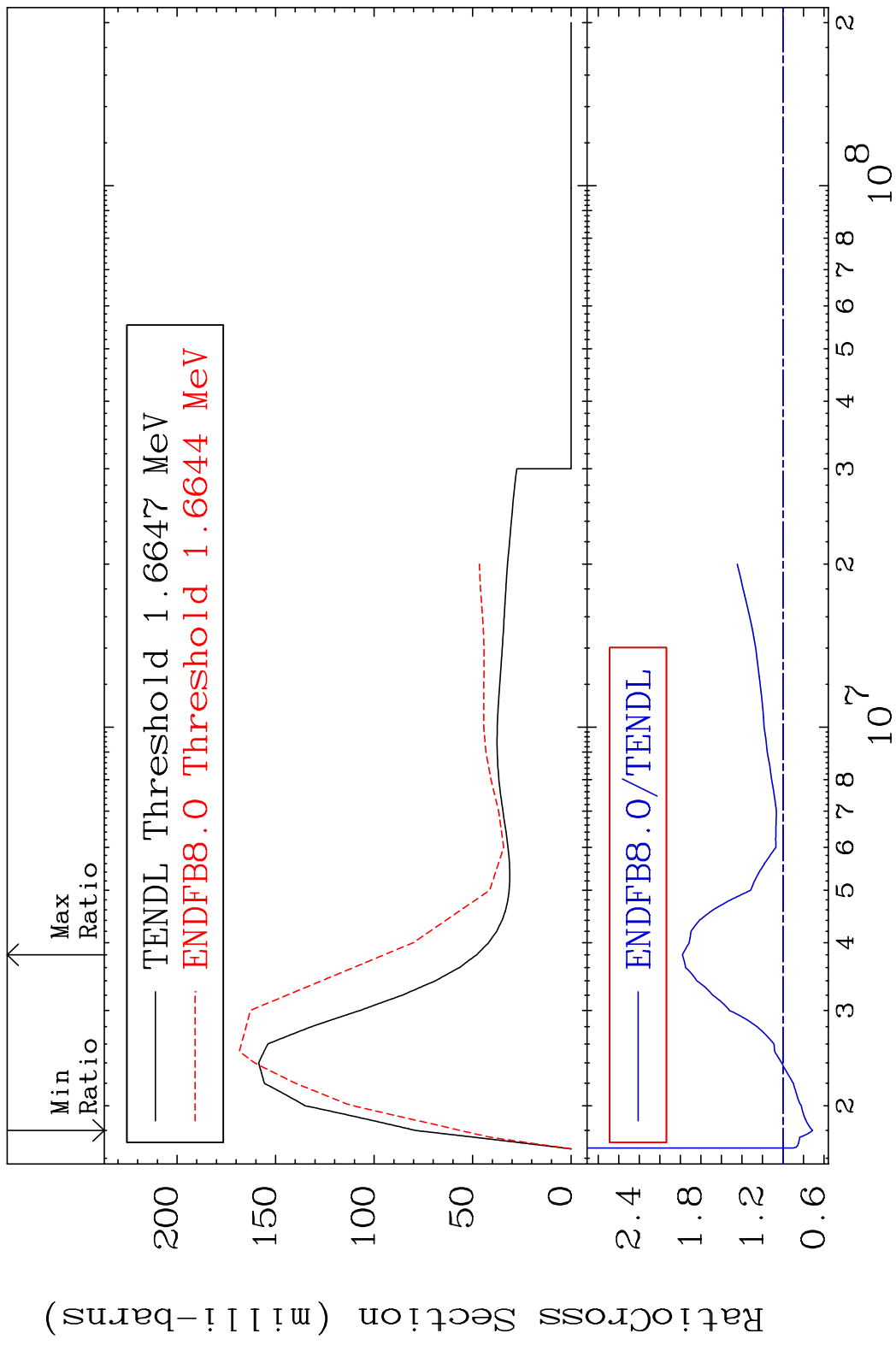


MAT 5843 MT= 53 (n, n') Level 58-Ce-142  
 Cross Section -100.0 To 278.4 %



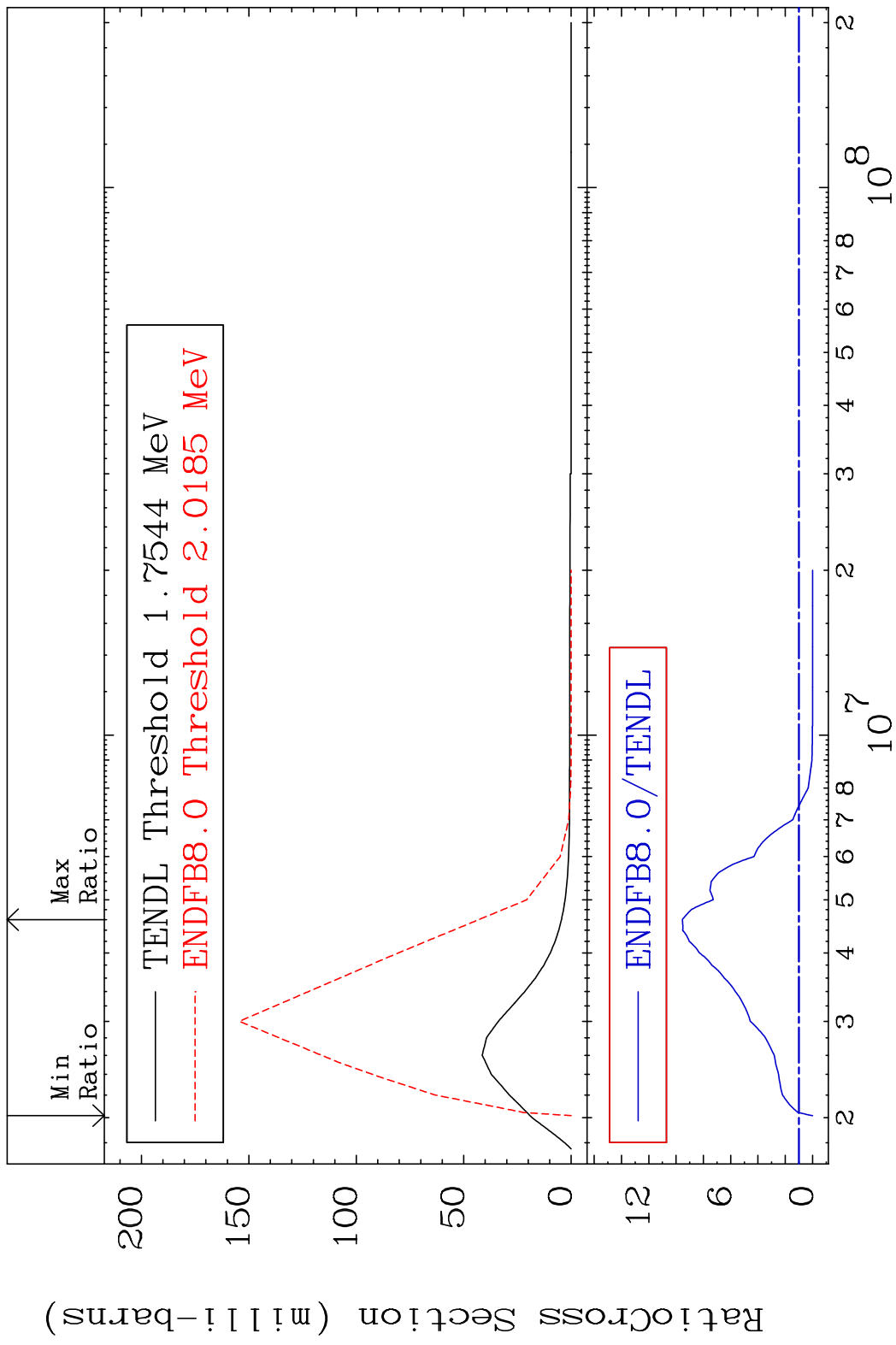
12 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 54 (n,n') Level 58-Ce-142  
 Cross Section -28.90 To 97.96 %

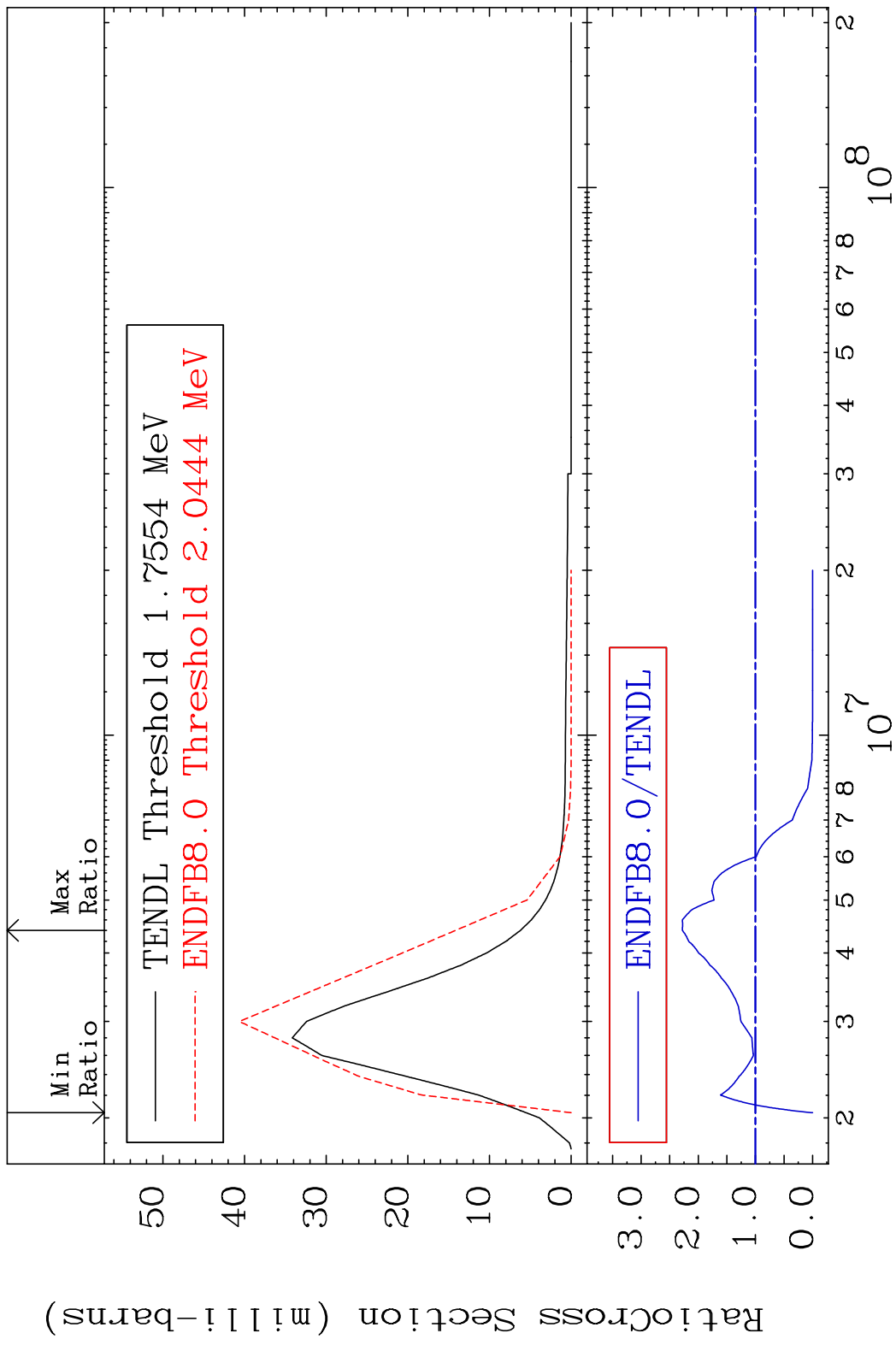


13 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 55 (n,n') Level 58-Ce-142  
 Cross Section -100.0 To 853.9 %

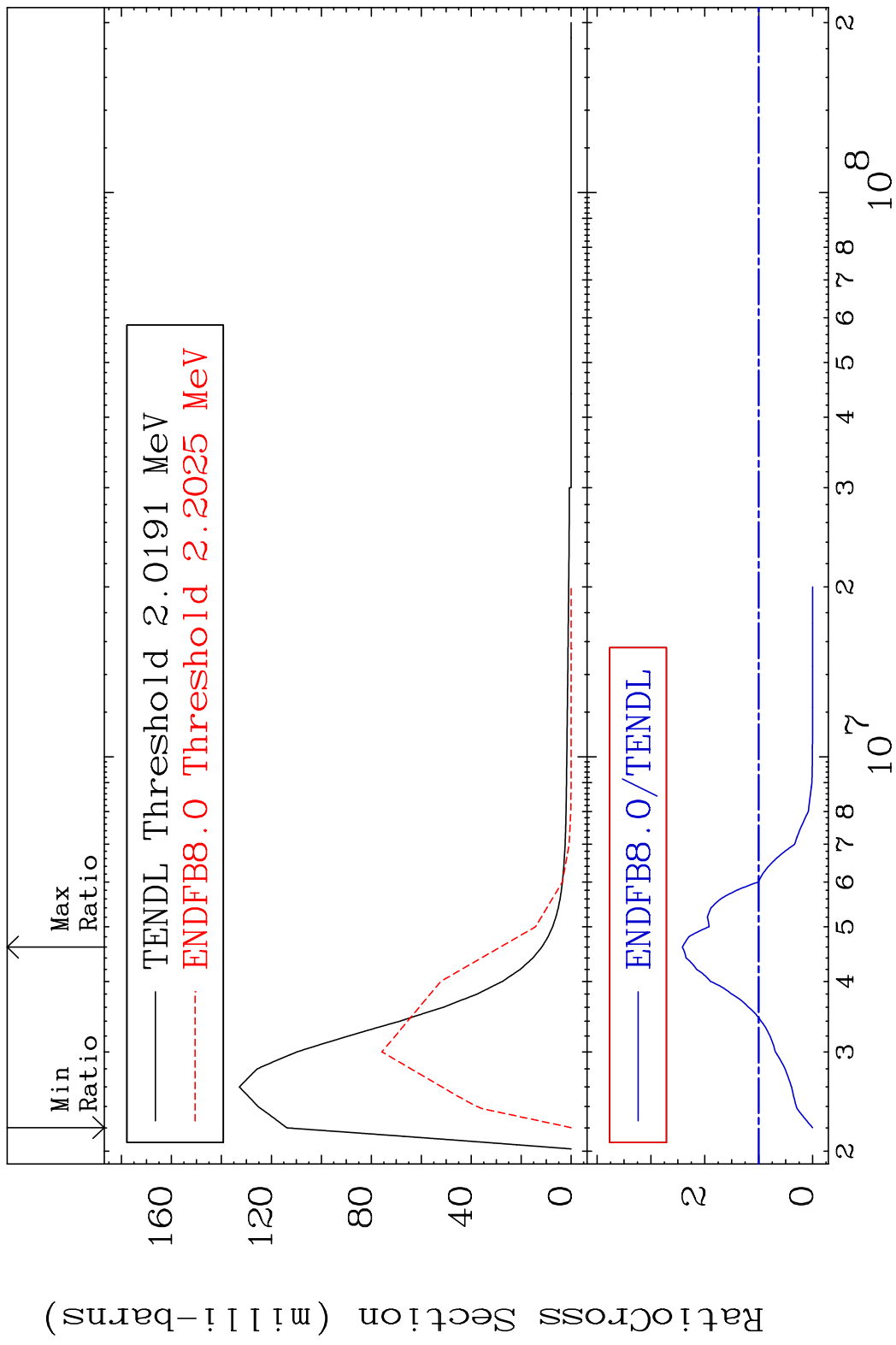


MAT 5843 MT= 56 (n,n') Level 58-Ce-142  
 Cross Section -100.0 To 127.9 %



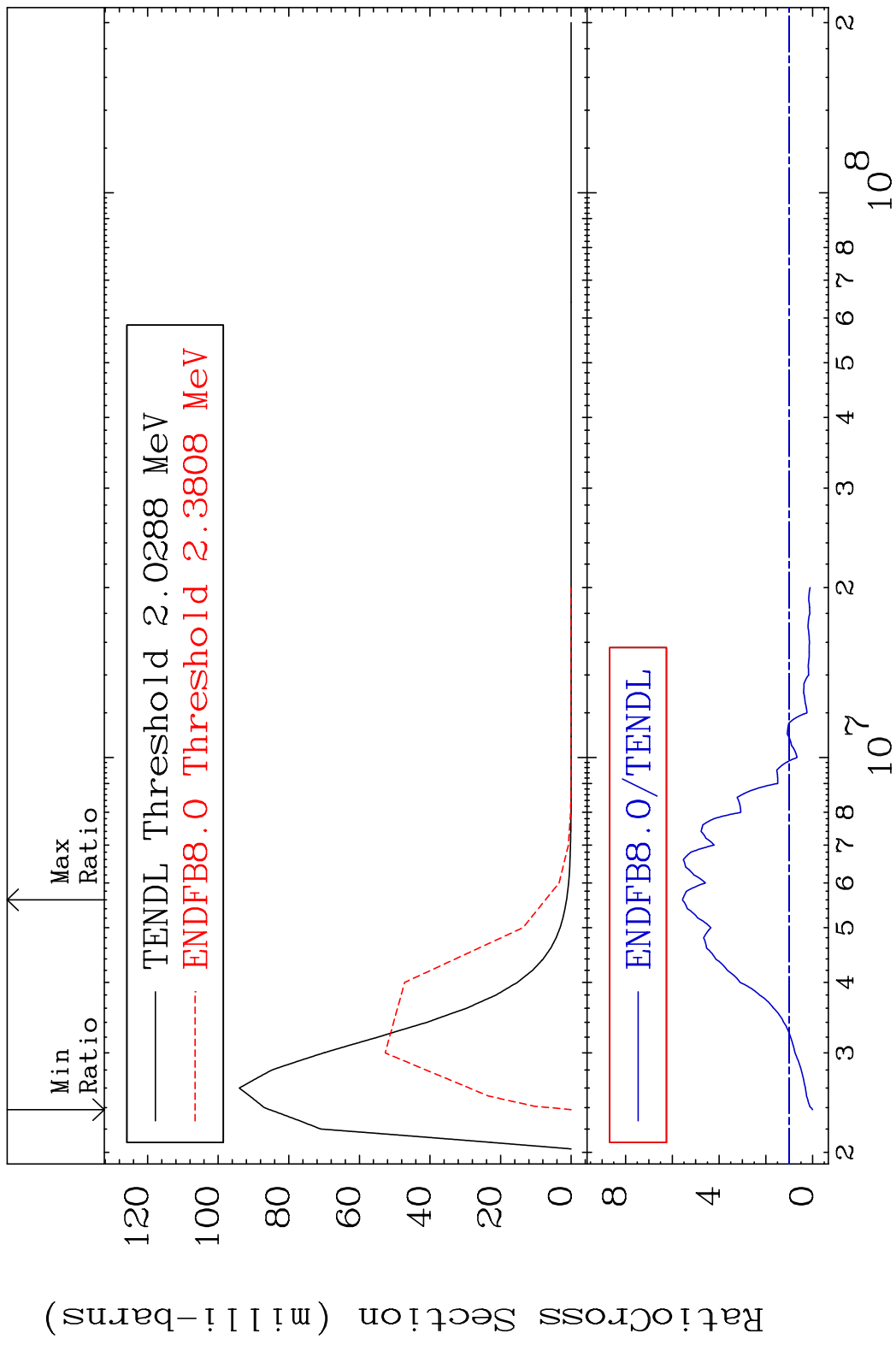


MAT 5843 MT= 57 (n, n') Level 58-Ce-142  
 Cross Section -100.0 To 141.6 %



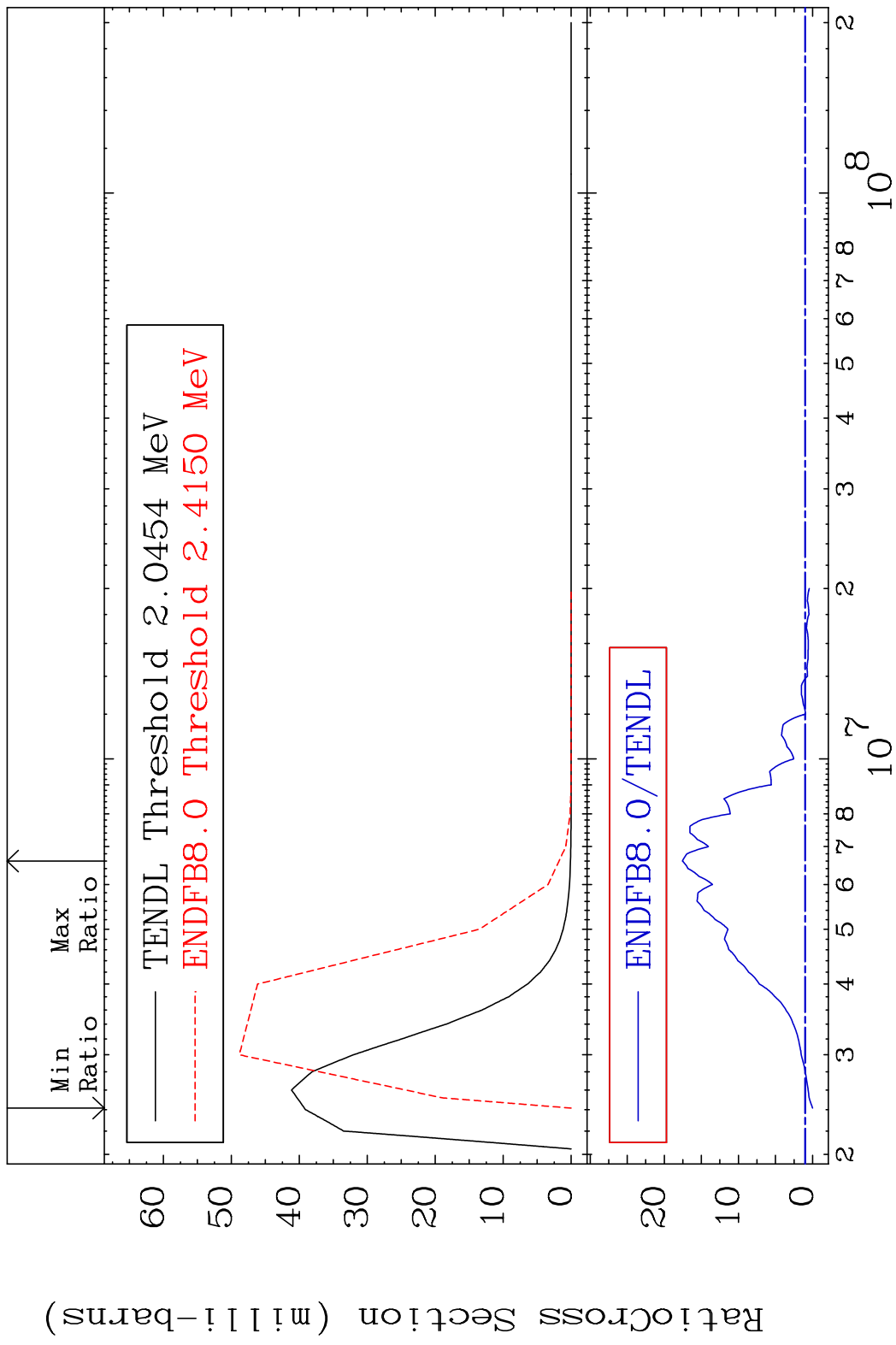
16 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 58 (n, n') Level 58-Ce-142  
 Cross Section -100.0 To 457.0 %



17 17 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 59 (n,n') Level 58-Ce-142  
 Cross Section -100.0 To 1656. %



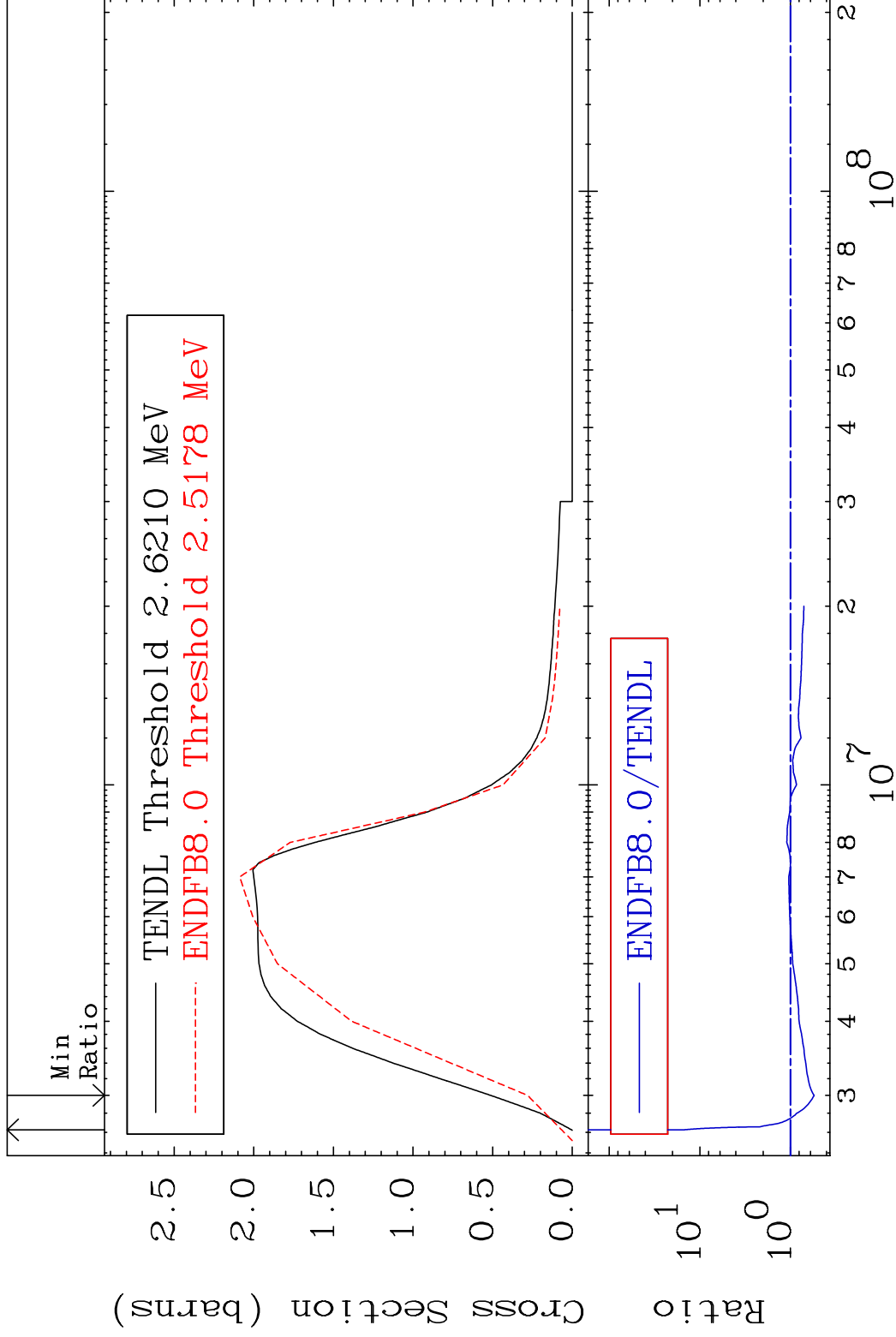
18 58-Ce-142

MAT 5843

(n,n') Continuum

58-Ce-142

Cross Section -45.25 To 1408. %

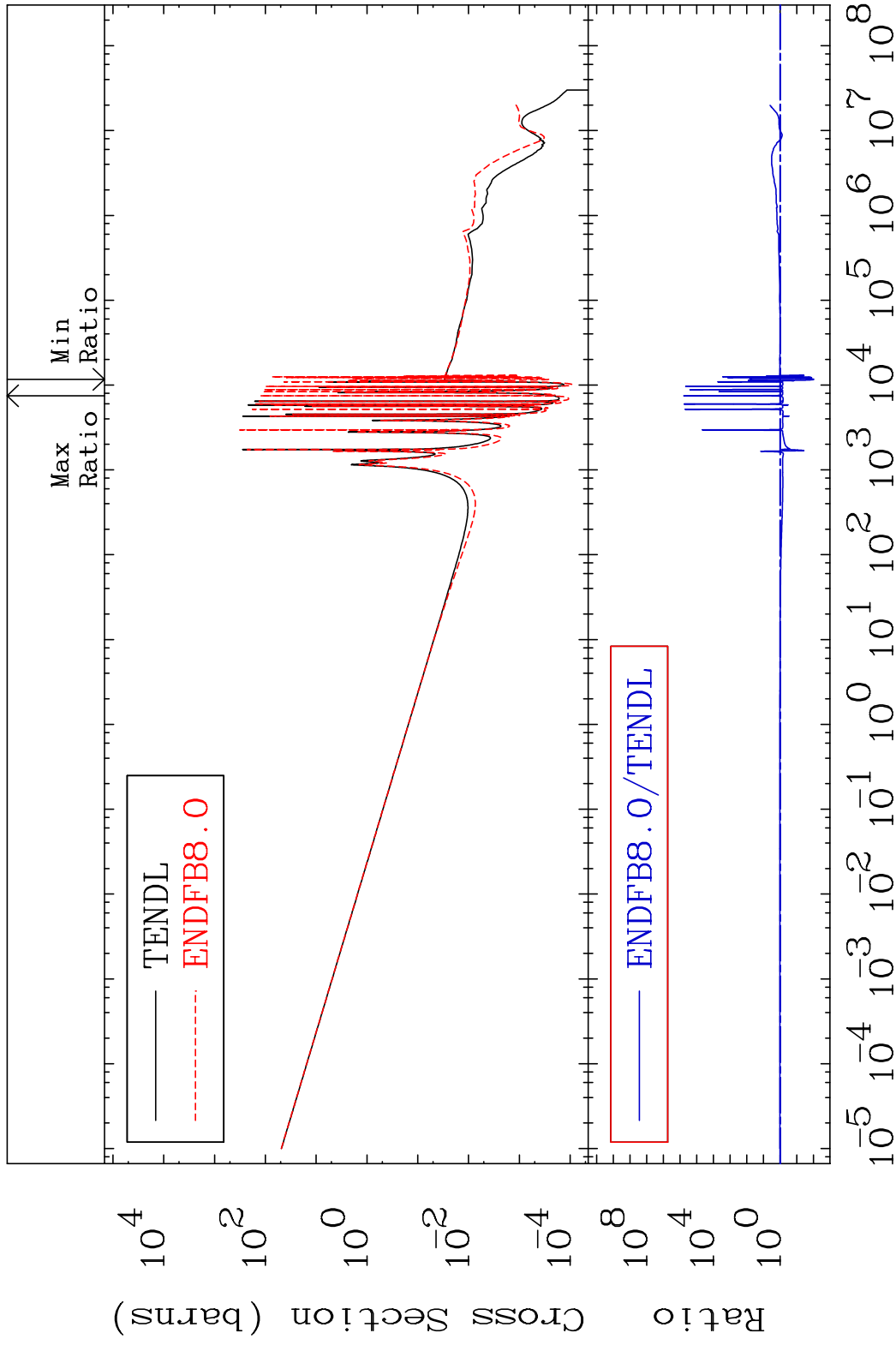


MAT 5843

(n,  $\gamma$ )

58-Ce-142

Cross Section -99.10 To 9999. %



20

Incident Energy (eV)

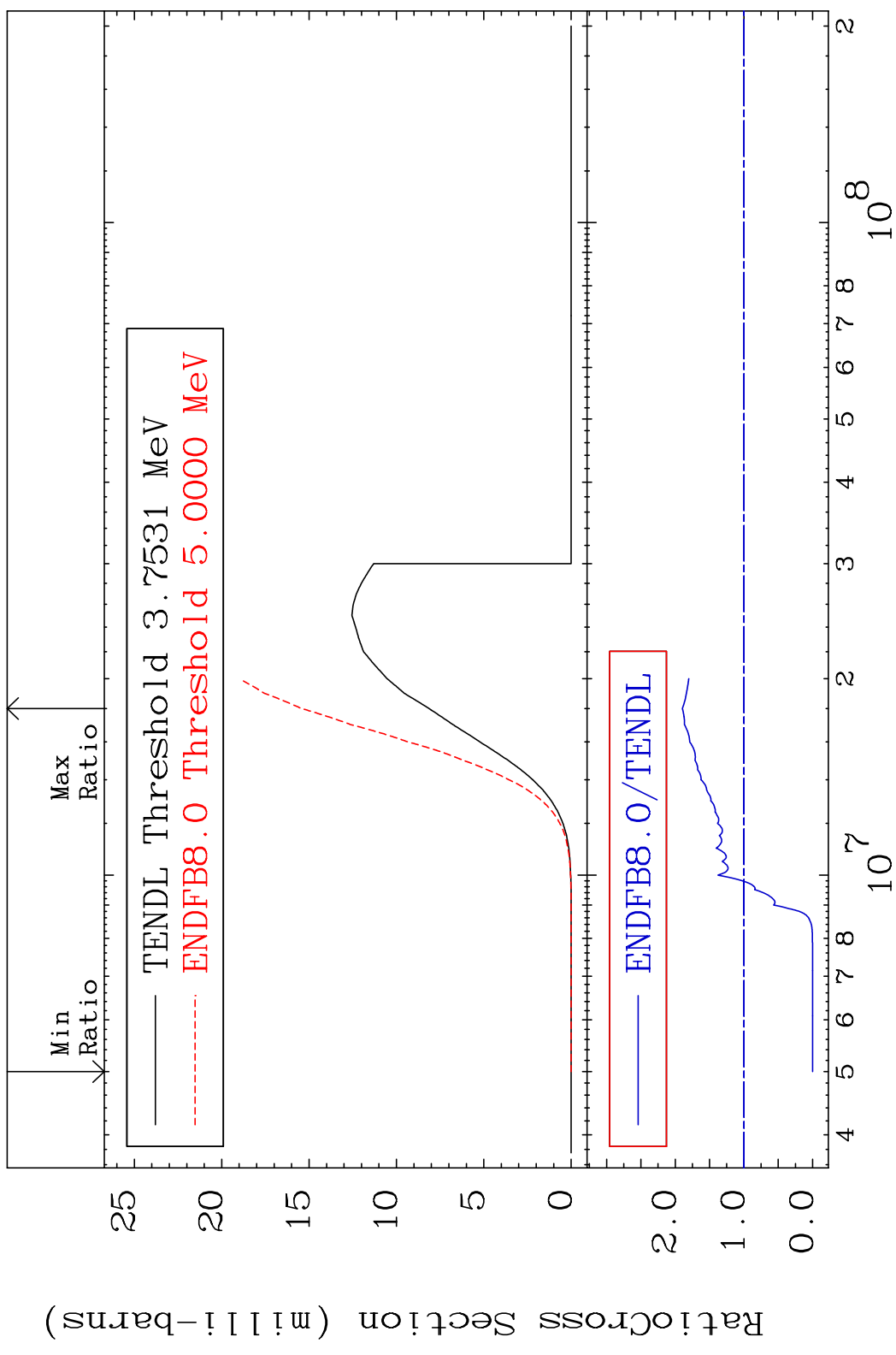
58-Ce-142

MAT 5843

(n,p)

58-Ce-142

Cross Section -100.0 To 89.62 %

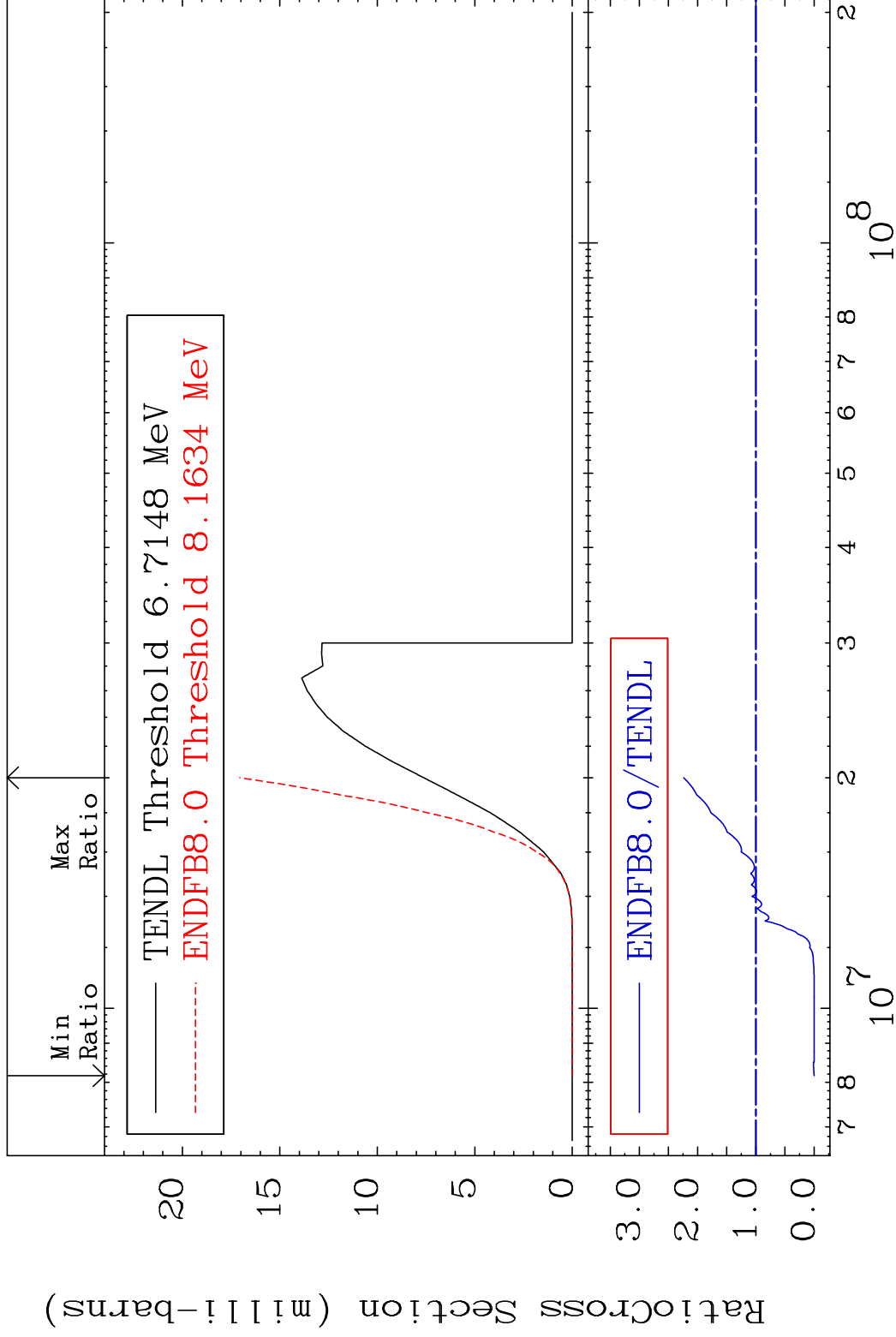


MAT 5843

(n,d)

58-Ce-142

Cross Section -100.0 To 124.0 %

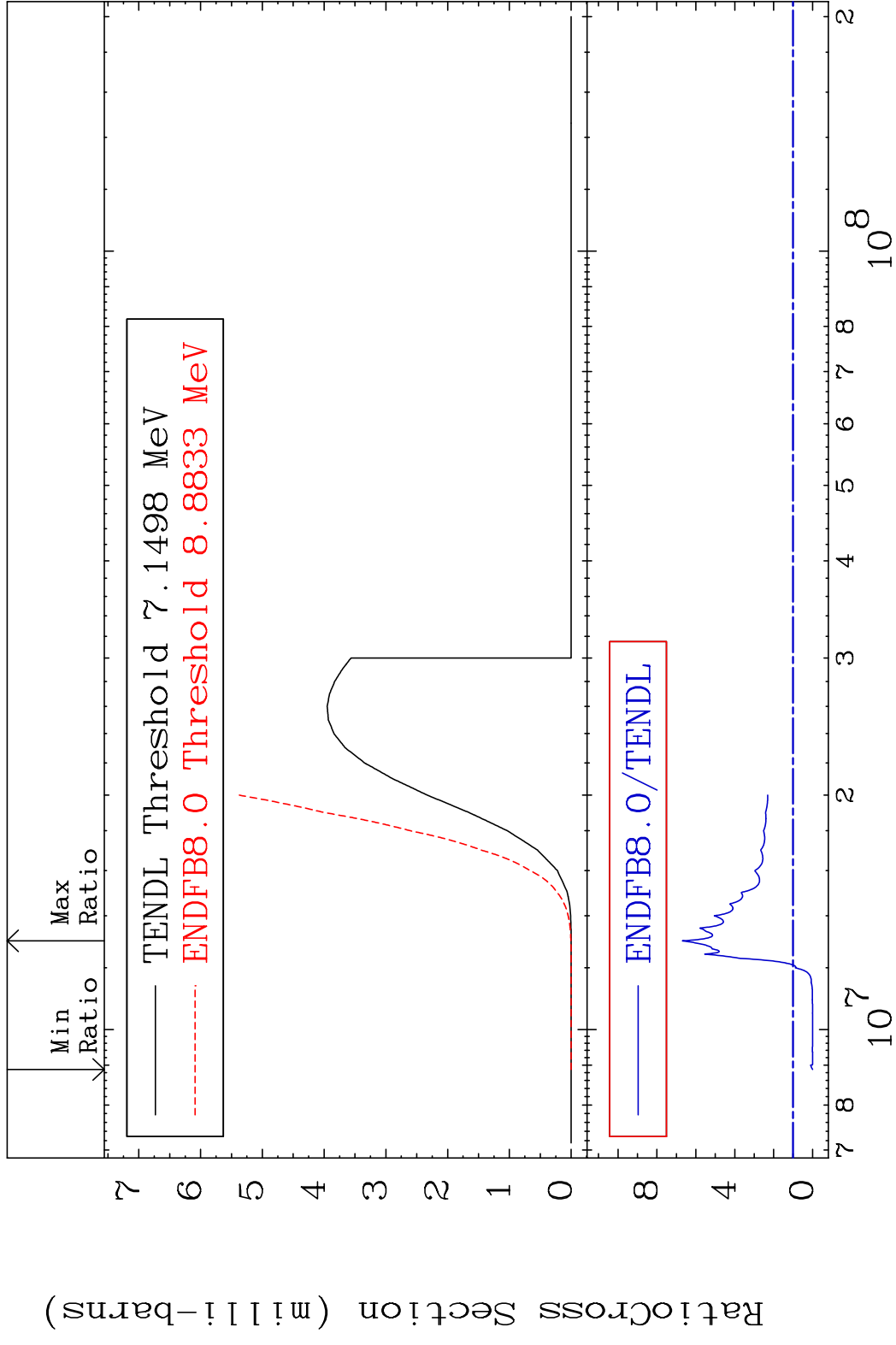


22

Incident Energy (eV)

58-Ce-142

MAT 5843 (n, t) 58-Ce-142  
 Cross Section -100.0 To 569.3 %



23 Incident Energy (eV) 58-Ce-142

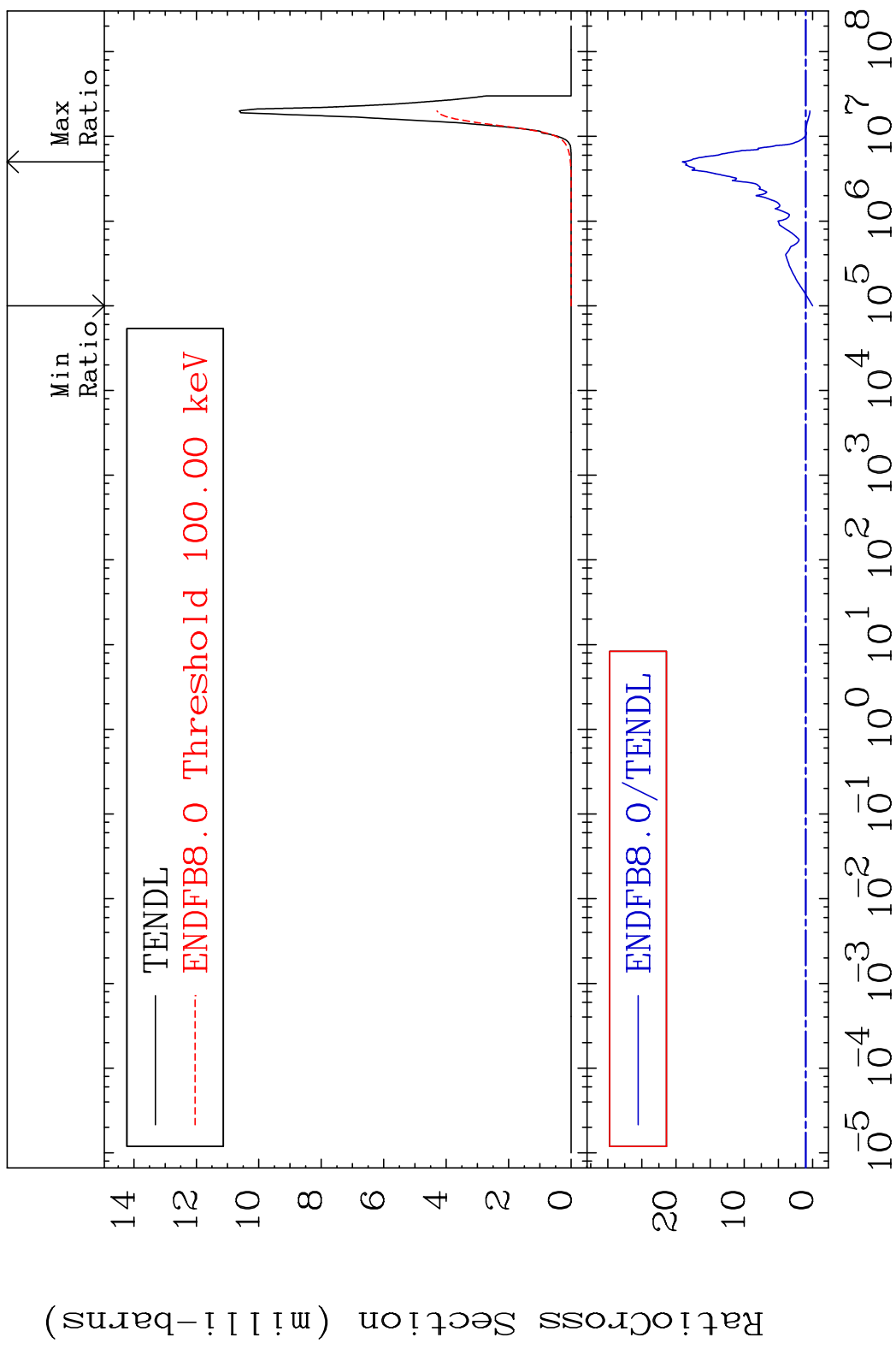


MAT 5843

(n,  $\alpha$ )

58-Ce-142

Cross Section -100.0 To 1807. %

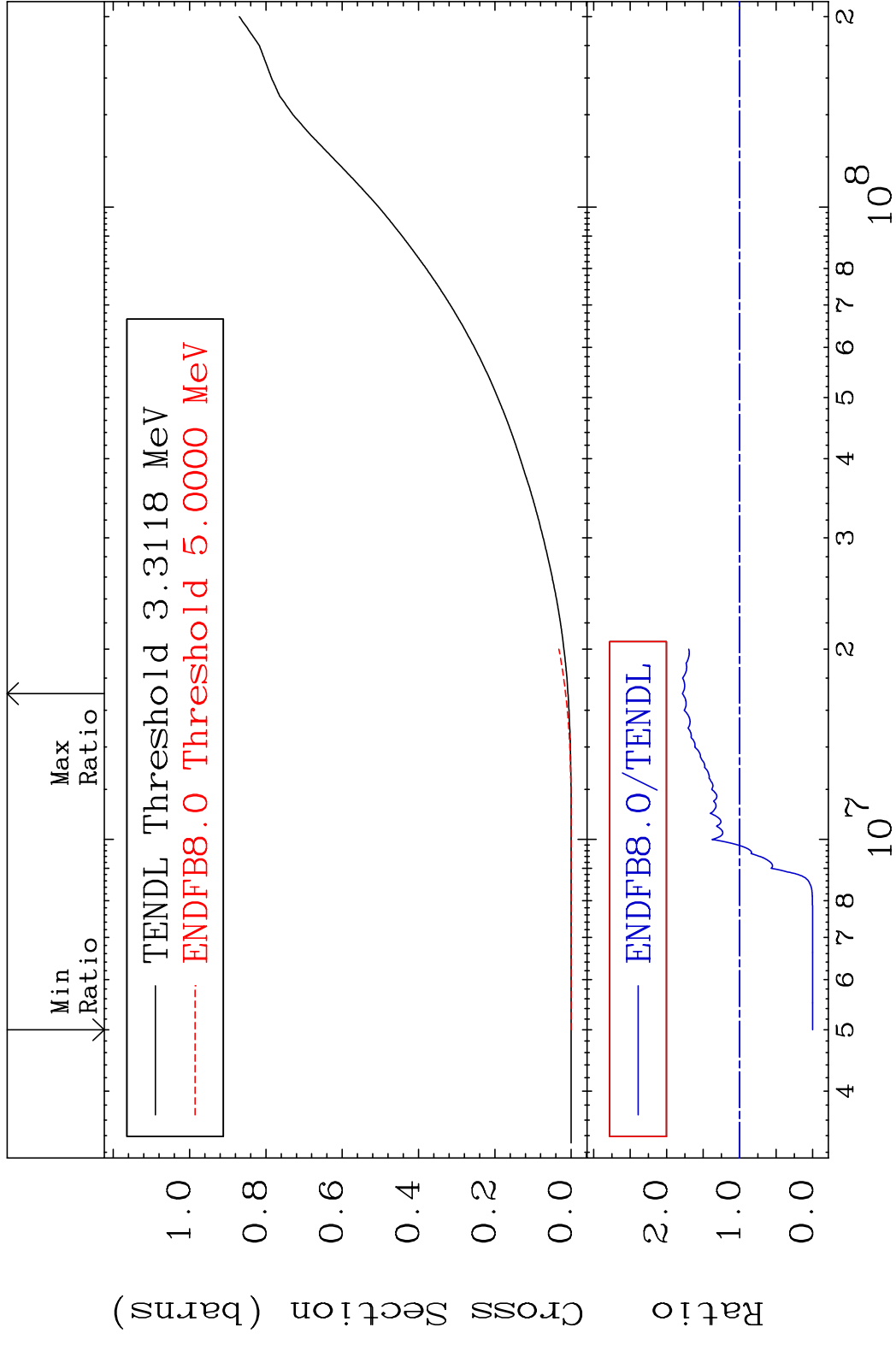


MAT 5843

Hydrogen Production

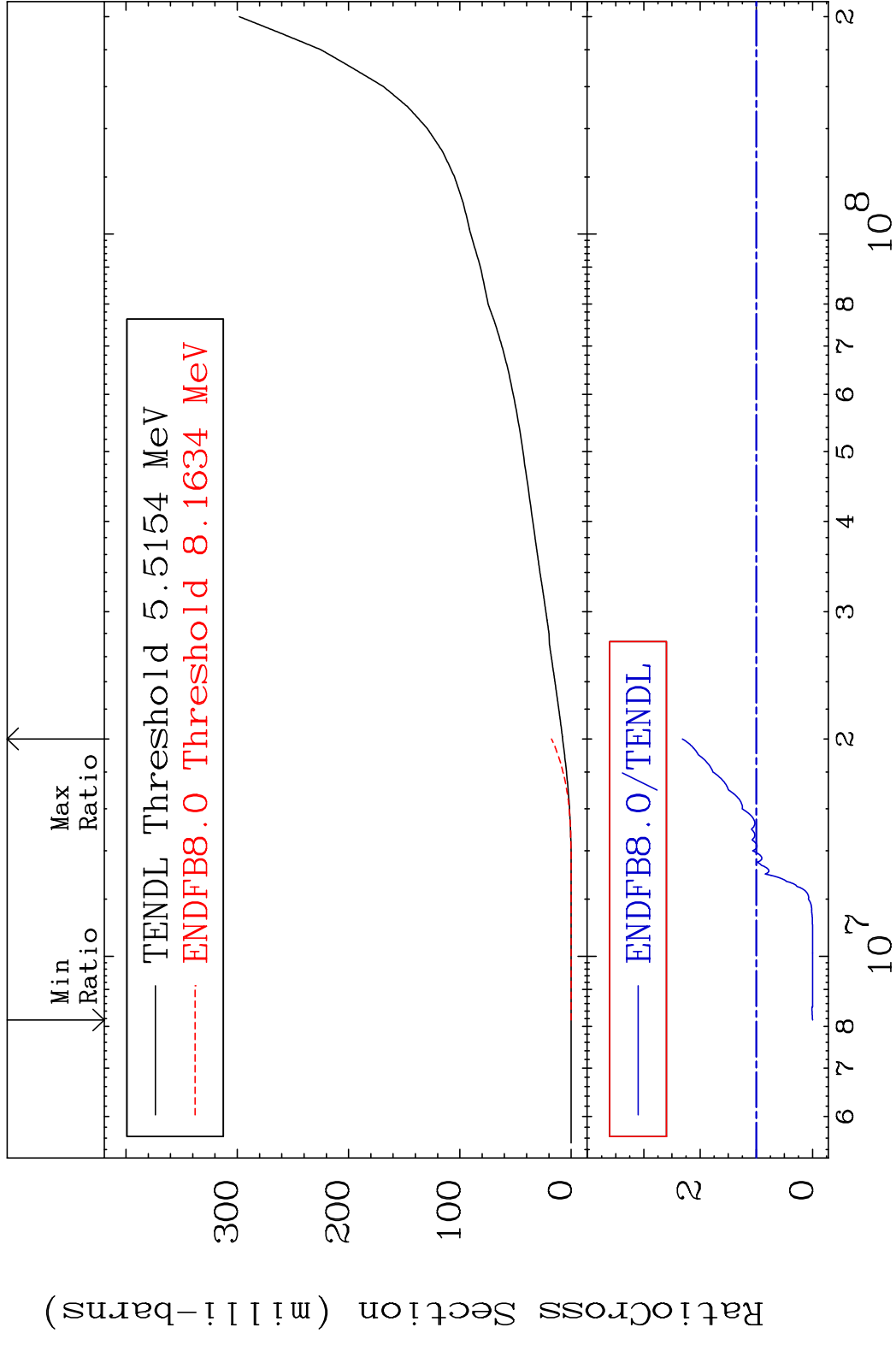
58-Ce-142

Cross Section -100.0 To 78.48 %



MAT 5843

Deuterium Production 58-Ce-142  
Cross Section -100.0 To 131.5 %



26

Incident Energy (eV)

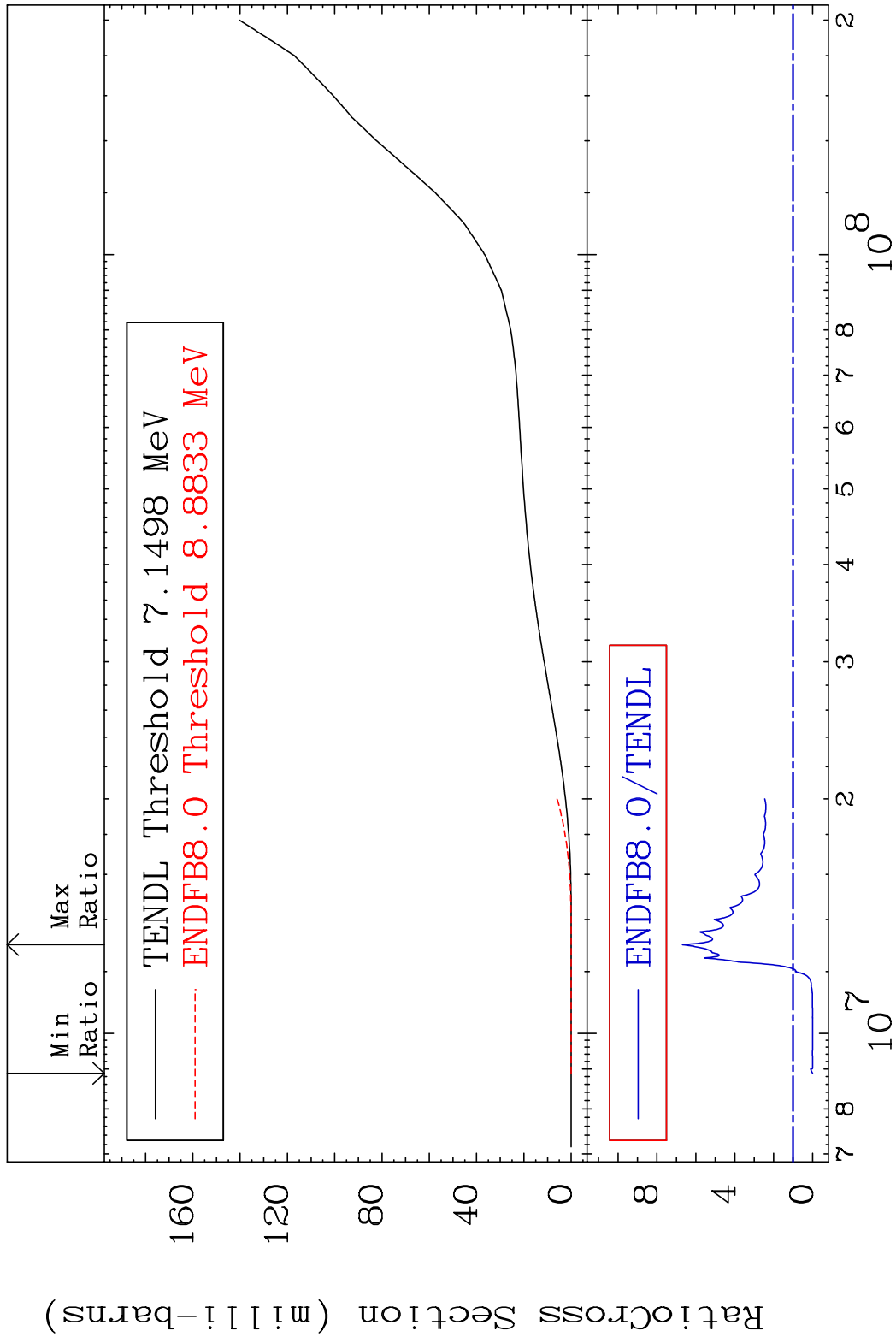
58-Ce-142

MAT 5843

Tritium Production

58-Ce-142

Cross Section -100.0 To 569.3 %

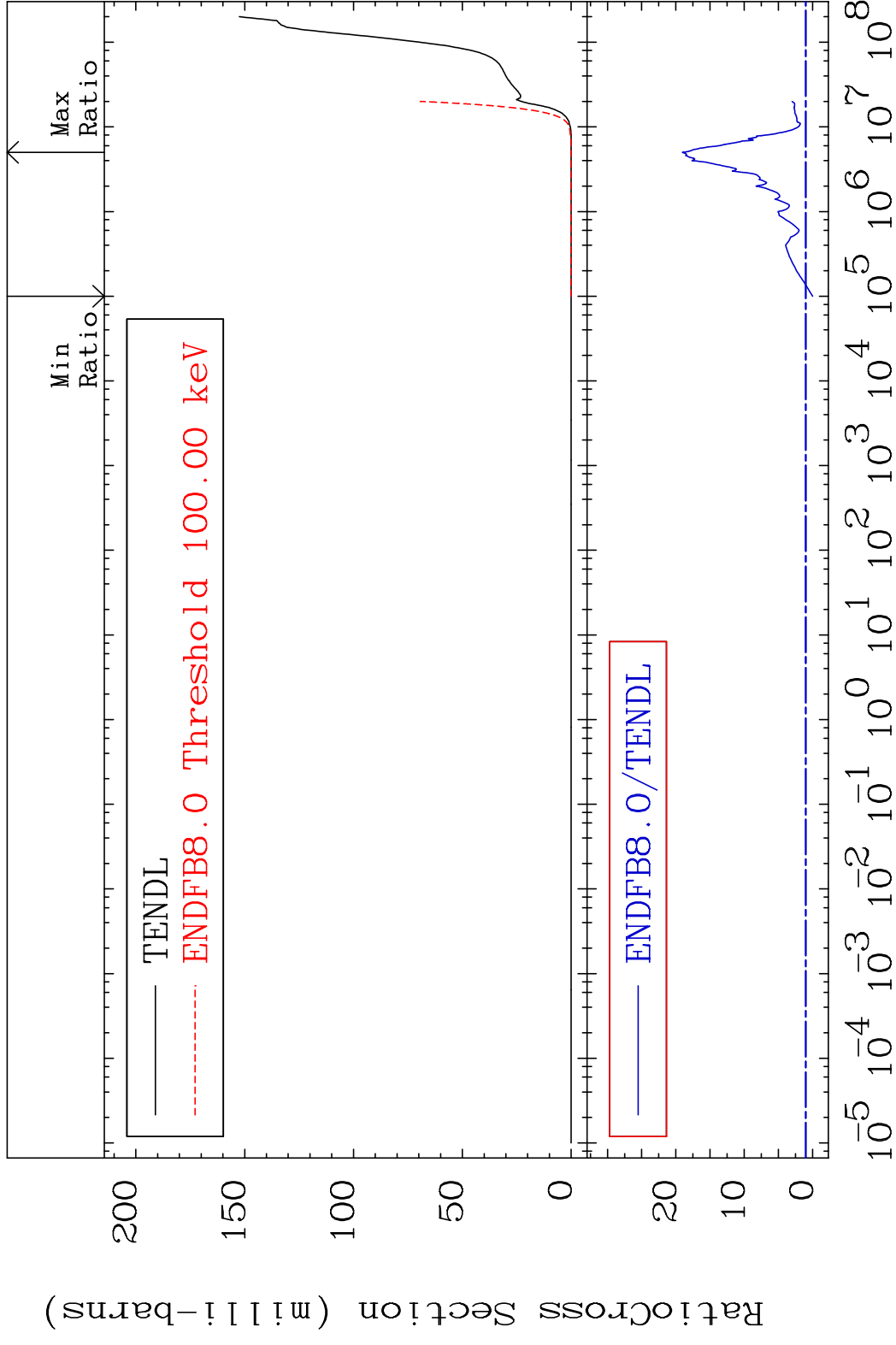


MAT 5843

He-4 Production

58-Ce-142

Cross Section -100.0 To 1805. %



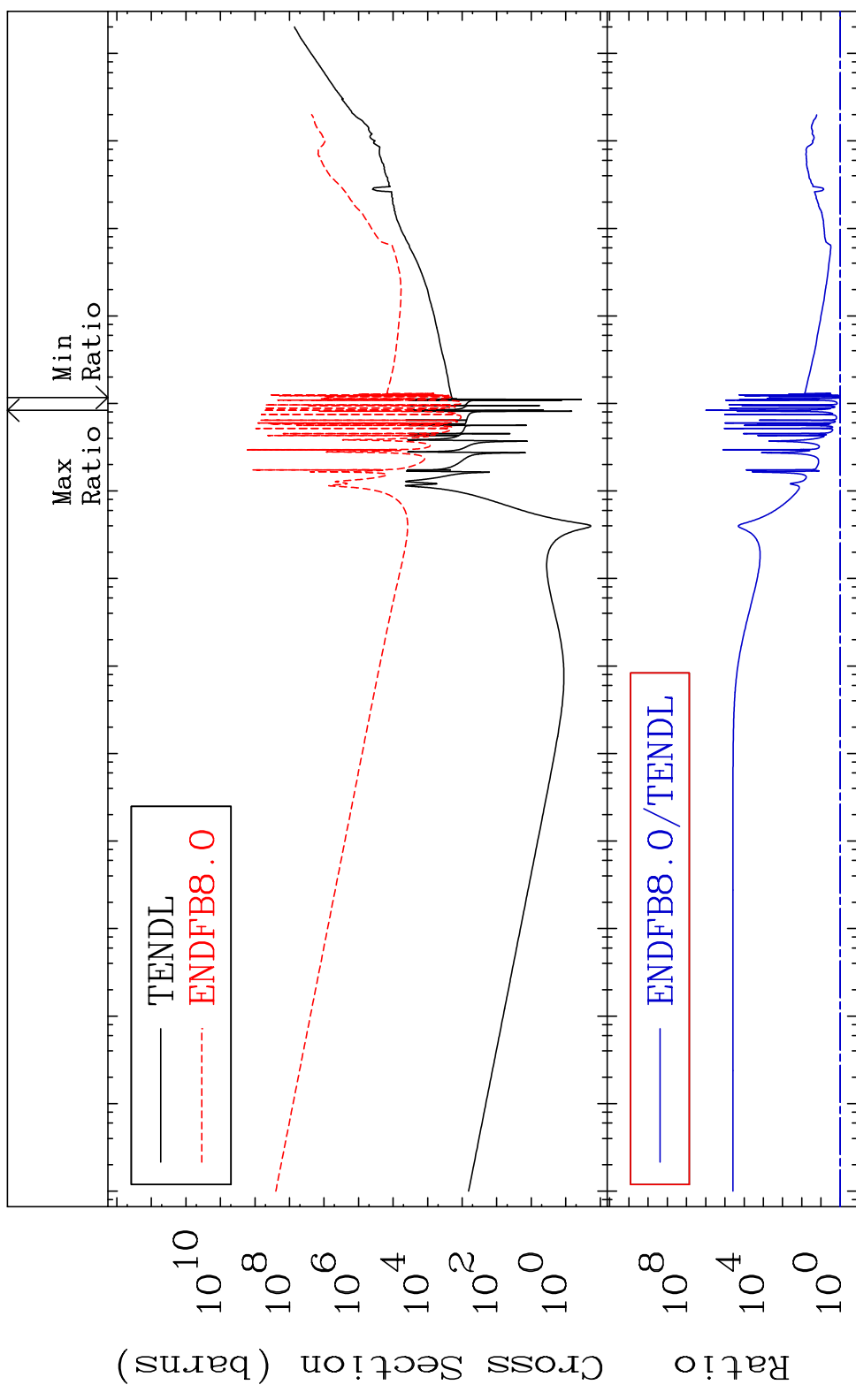
28

Incident Energy (eV)

58-Ce-142

MAT 5843

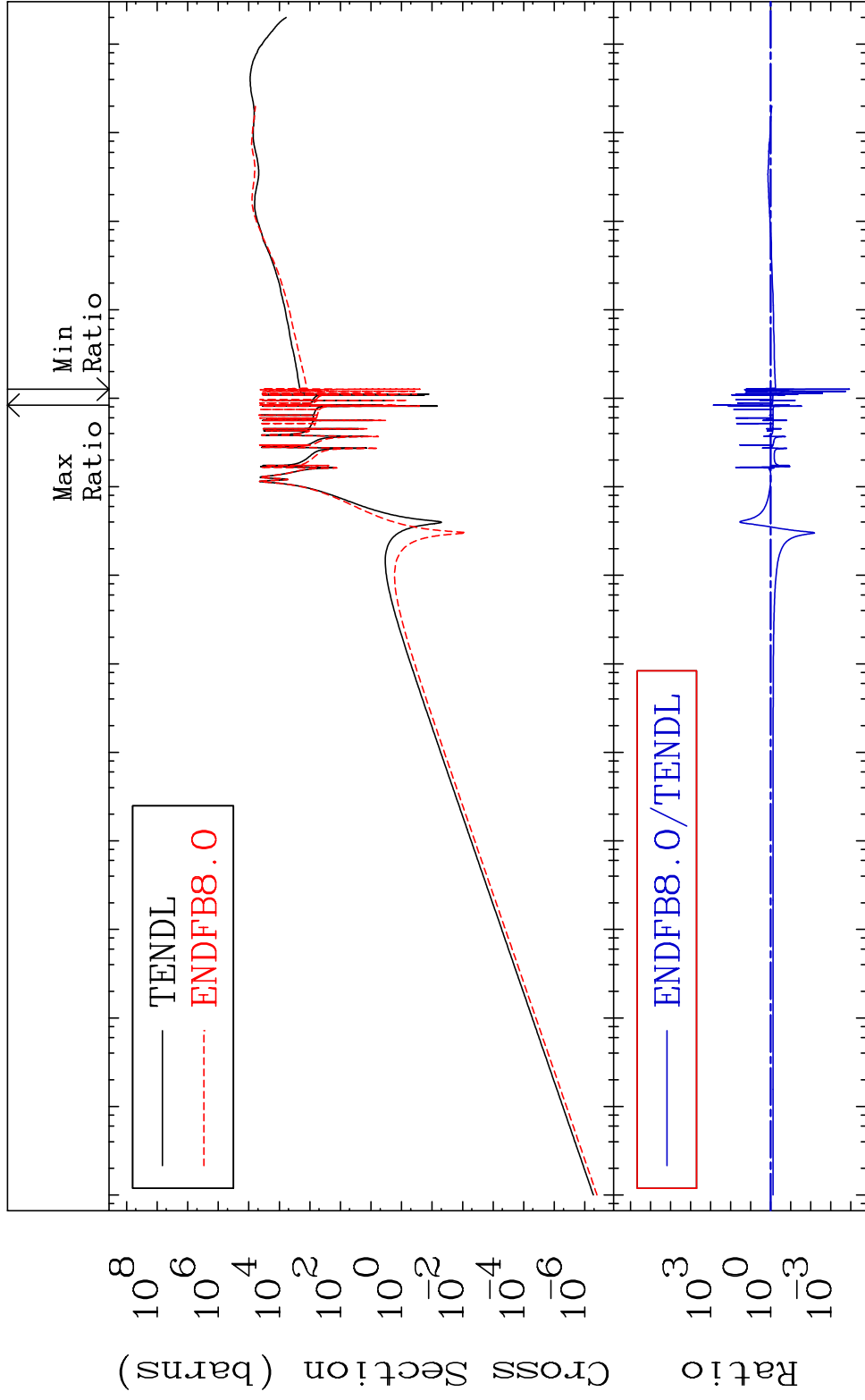
Kerma total (eV-barns) 58-Ce-142  
Cross Section -2.864 To 9999. %



MAT 5843

Kerma elastic  
Cross Section

58-Ce-142  
-99.99 To 9999. %

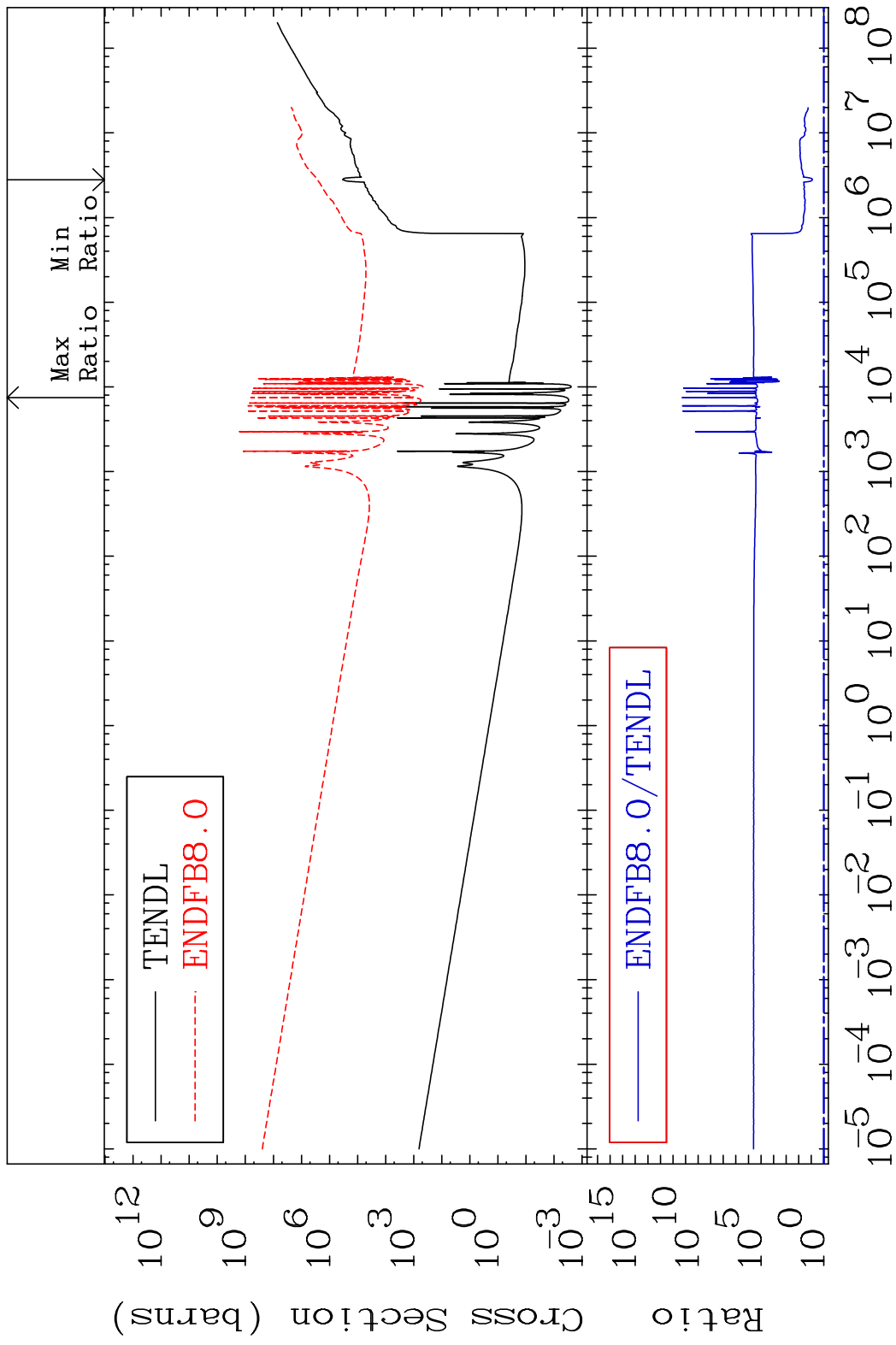


30

Incident Energy (eV)

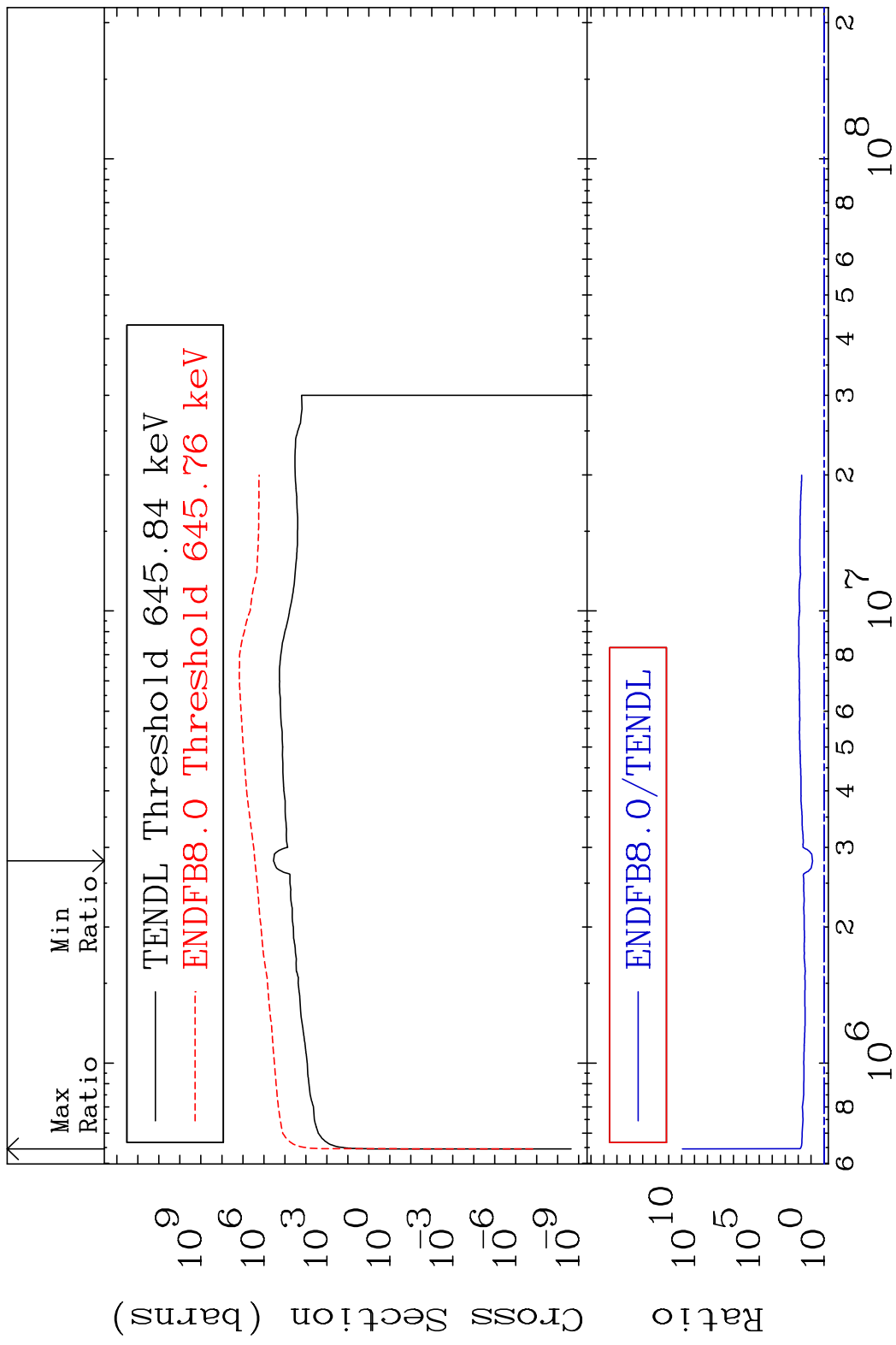
58-Ce-142

MAT 5843 Kerma non-elastic (all but mt2) 58-Ce-142  
 Cross Section 691.9 To 9999. %

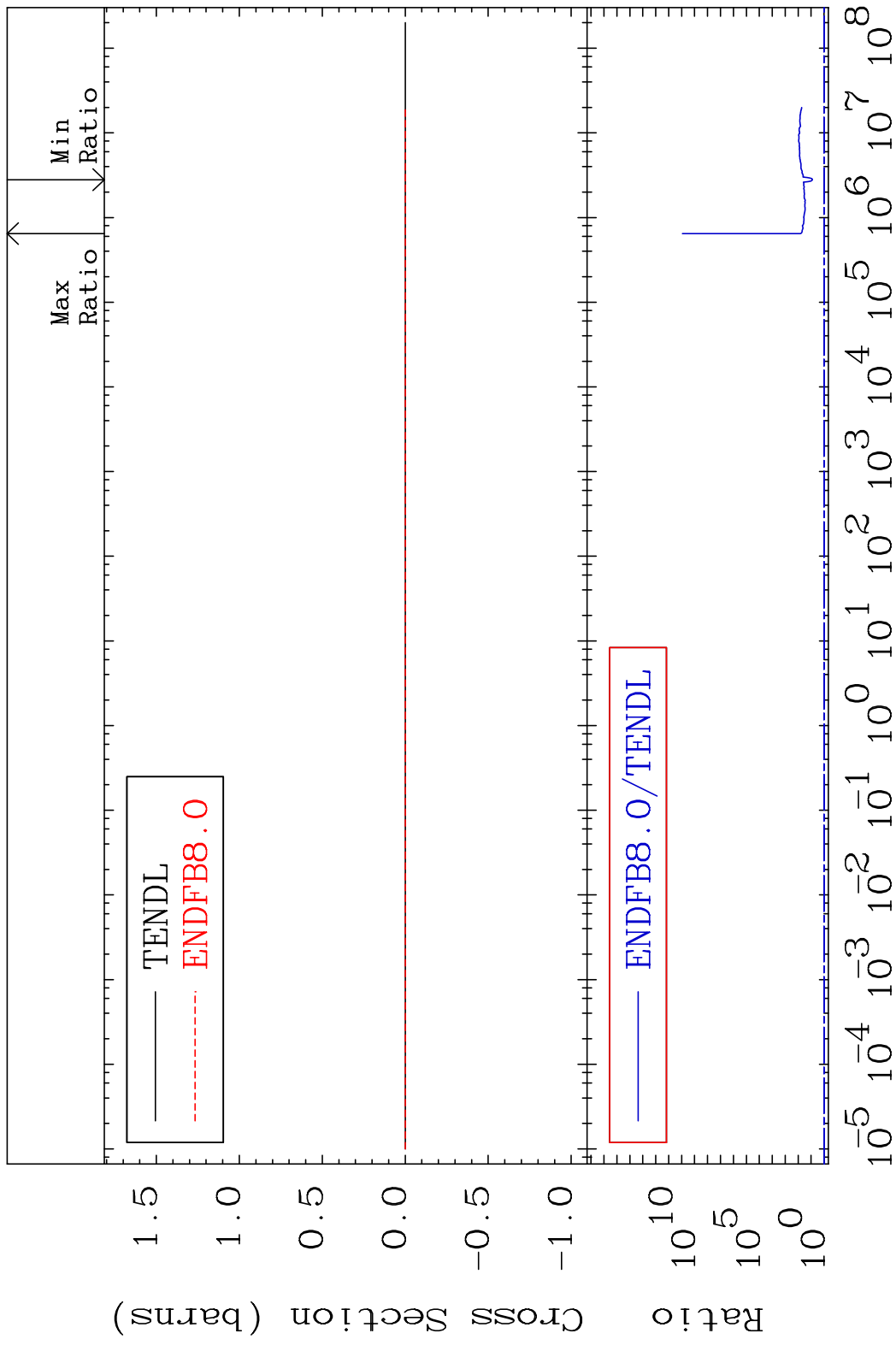




MAT 5843 Kerma inelastic (mt51-91) 58-Ce-142  
 Cross Section 674.8 To 9999. %

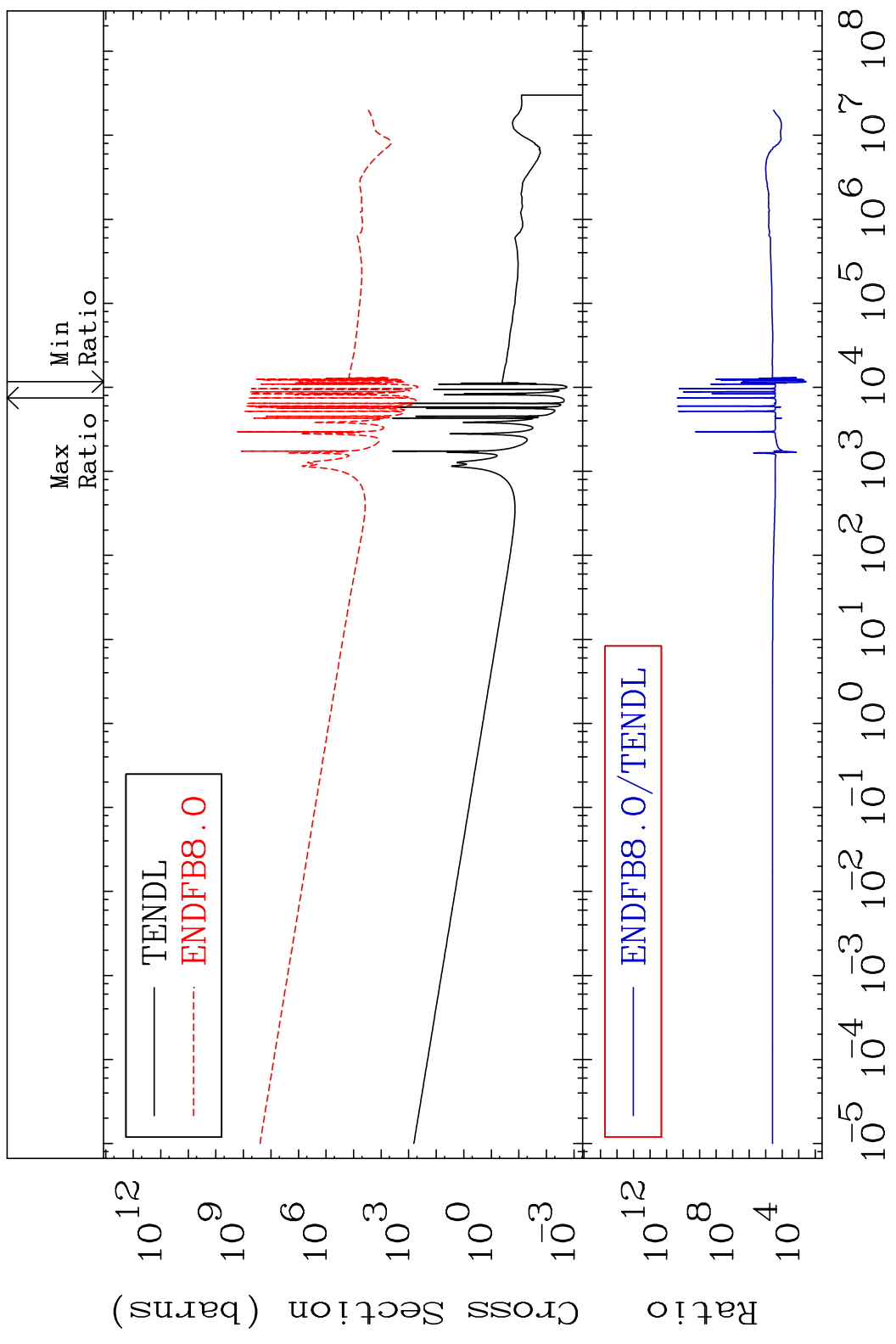


MAT 5843 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-142  
 Cross Section 674.8 To 9999. %

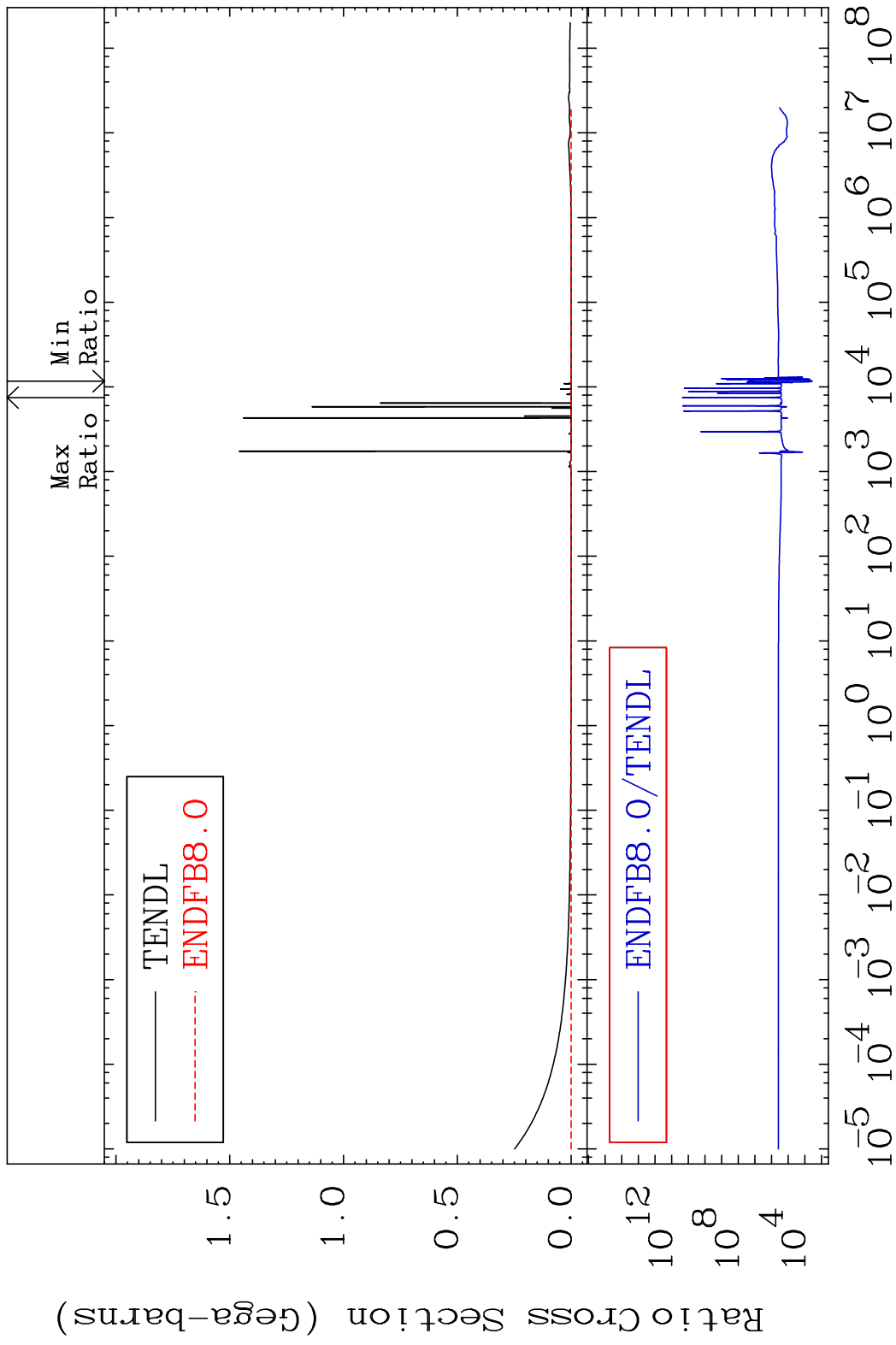


MAT 5843

Kerma capture (mt102) 58-Ce-142  
Cross Section 9999. To 9999. %

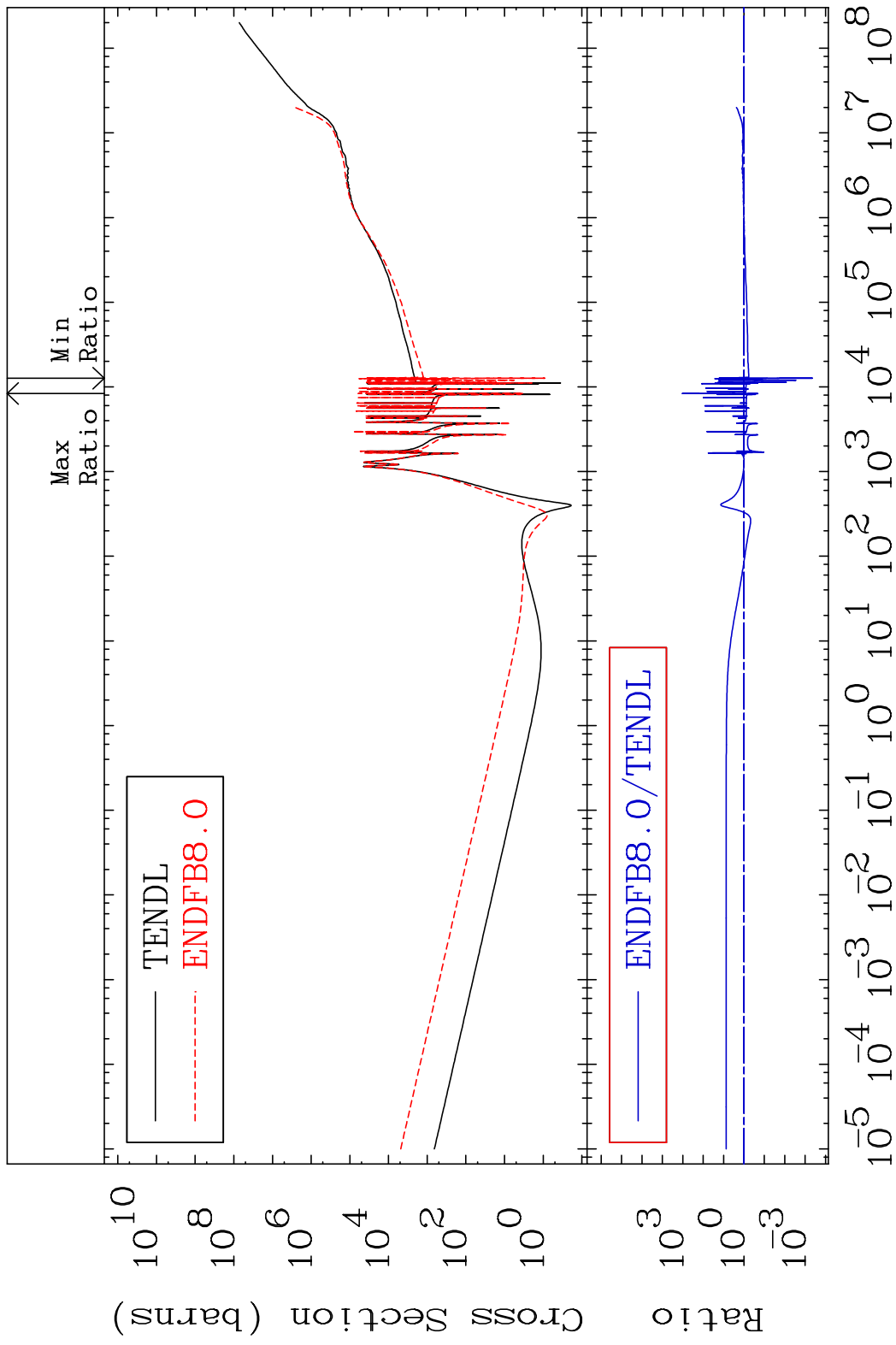


MAT 5843 Total photon (eV-barns) 58-Ce-142  
 Cross Section 9999. To 9999. %

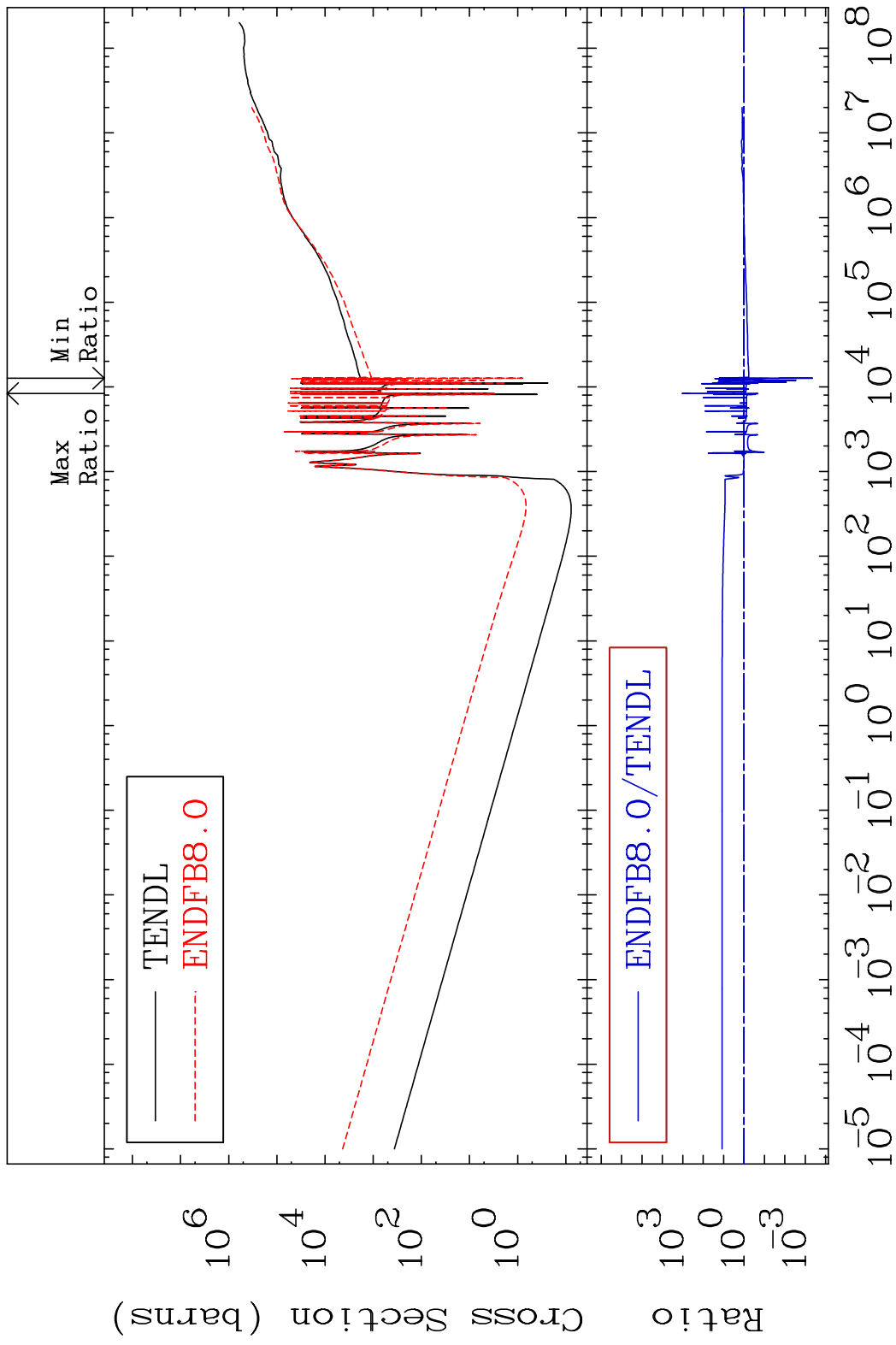


35 Incident Energy (eV) 58-Ce-142

MAT 5843 Total kinematic kerma (high limit) 58-Ce-142  
 Cross Section -99.96 To 9999. %



MAT 5843 Dpa total (eV-barns) 58-Ce-142  
 Cross Section -99.96 To 9999. %



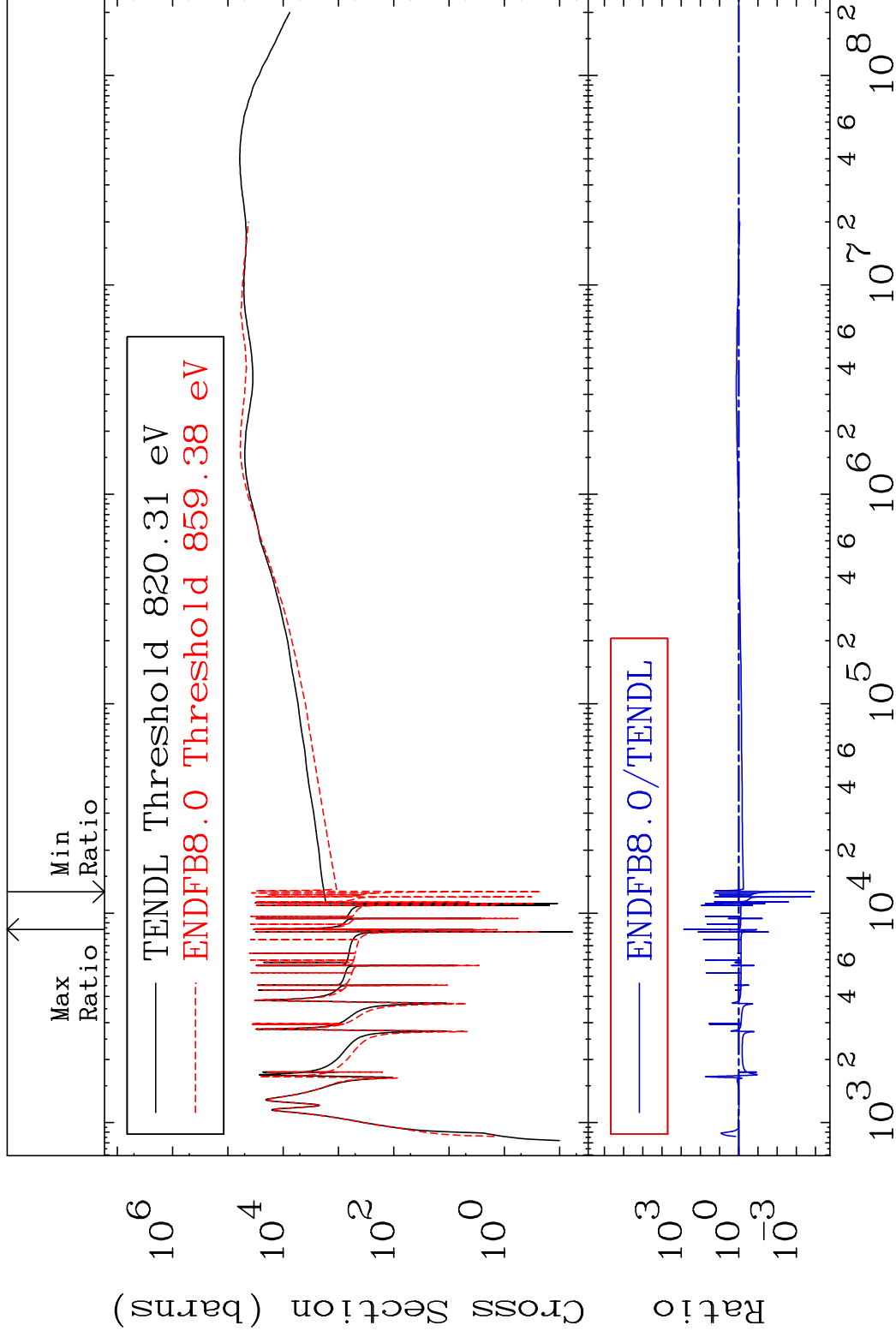
37 Incident Energy (eV) 58-Ce-142

MAT 5843

Dpa elastic (mt2)

58-Ce-142

Cross Section -99.99 To 9999. %

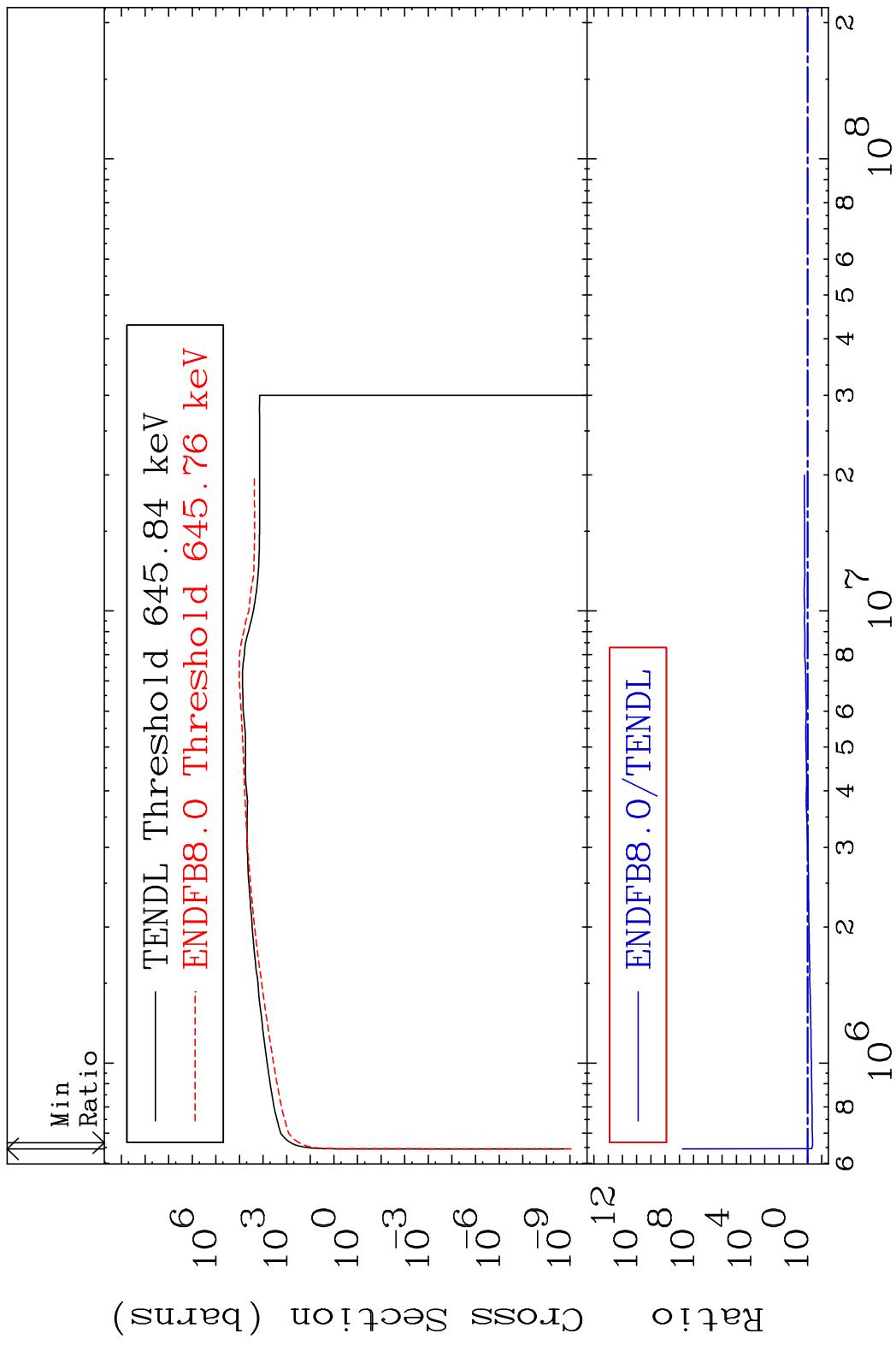


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Incident Energy (eV)

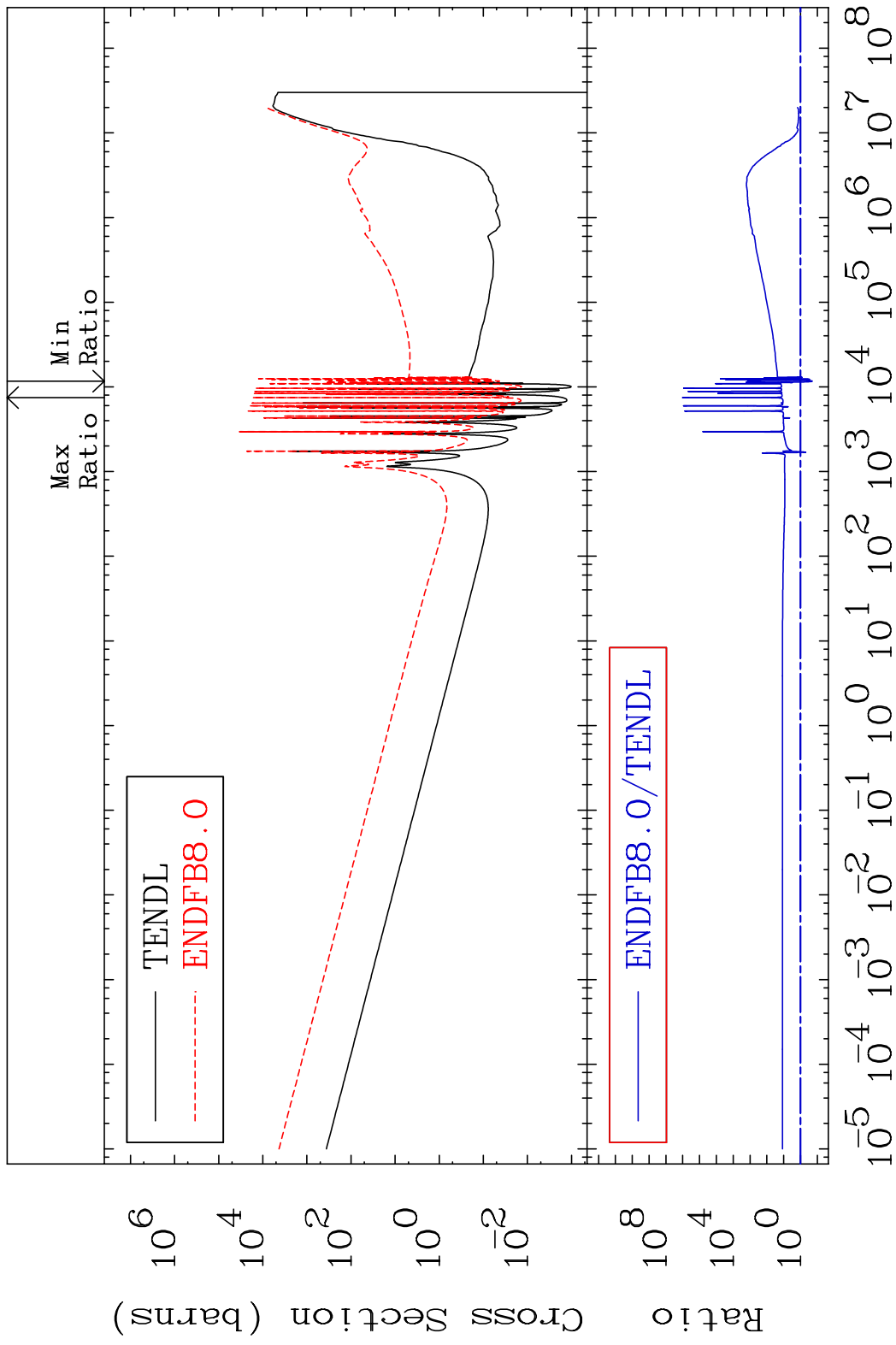
58-Ce-142

MAT 5843 Dpa inelastic (mt51-91) 58-Ce-142  
 Cross Section -55.61 To 9999. %





MAT 5843 Dpa disappearance (mt102 -120) 58-Ce-142  
 Cross Section -80.85 To 9999. %



40 Incident Energy (eV) 58-Ce-142