

Program Complot  
(Version 2021-1)

by

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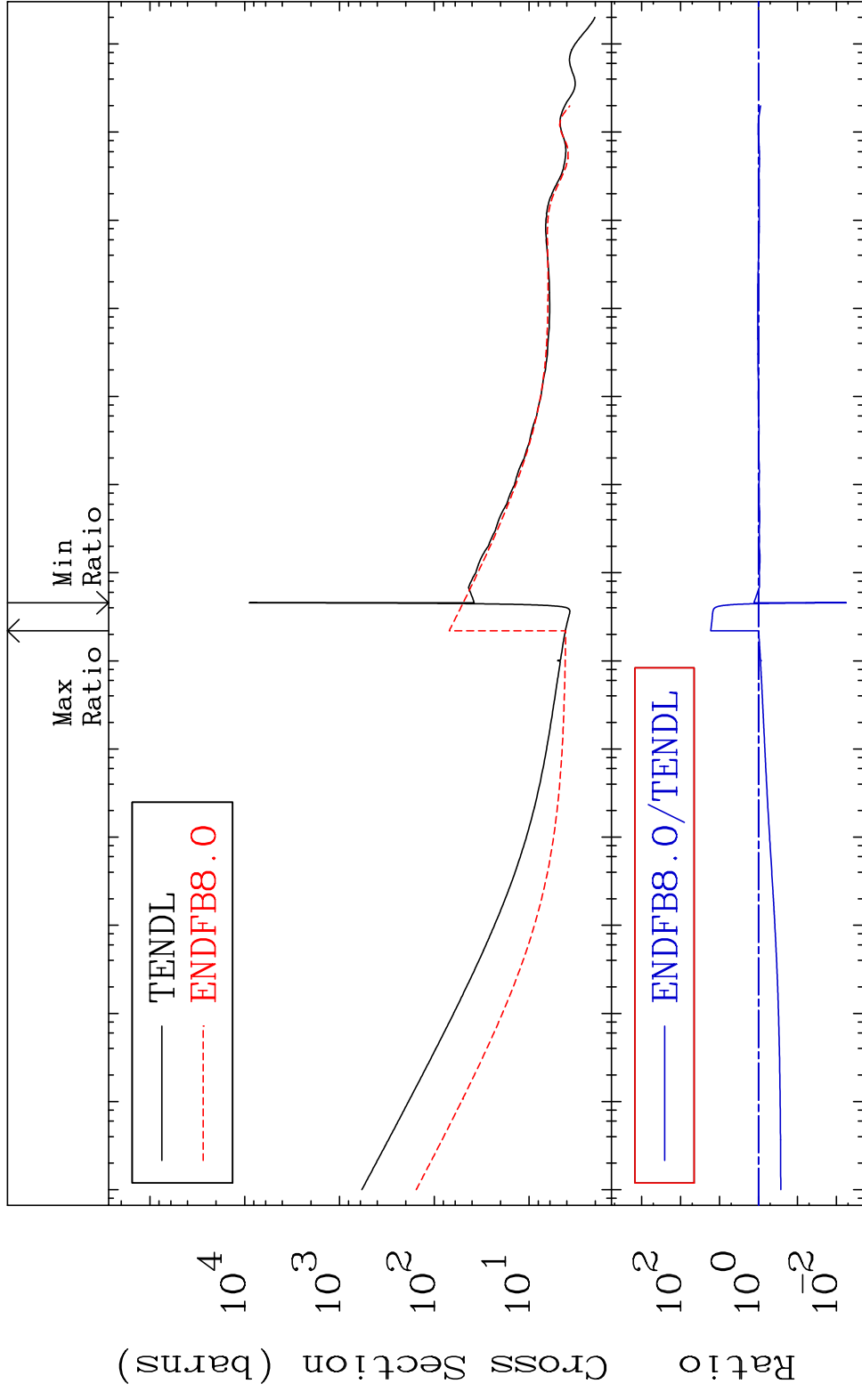
Press Mouse Button to Start

MAT 5058

50-Sn-123

Total

Cross Section -99.45 To 1583. %



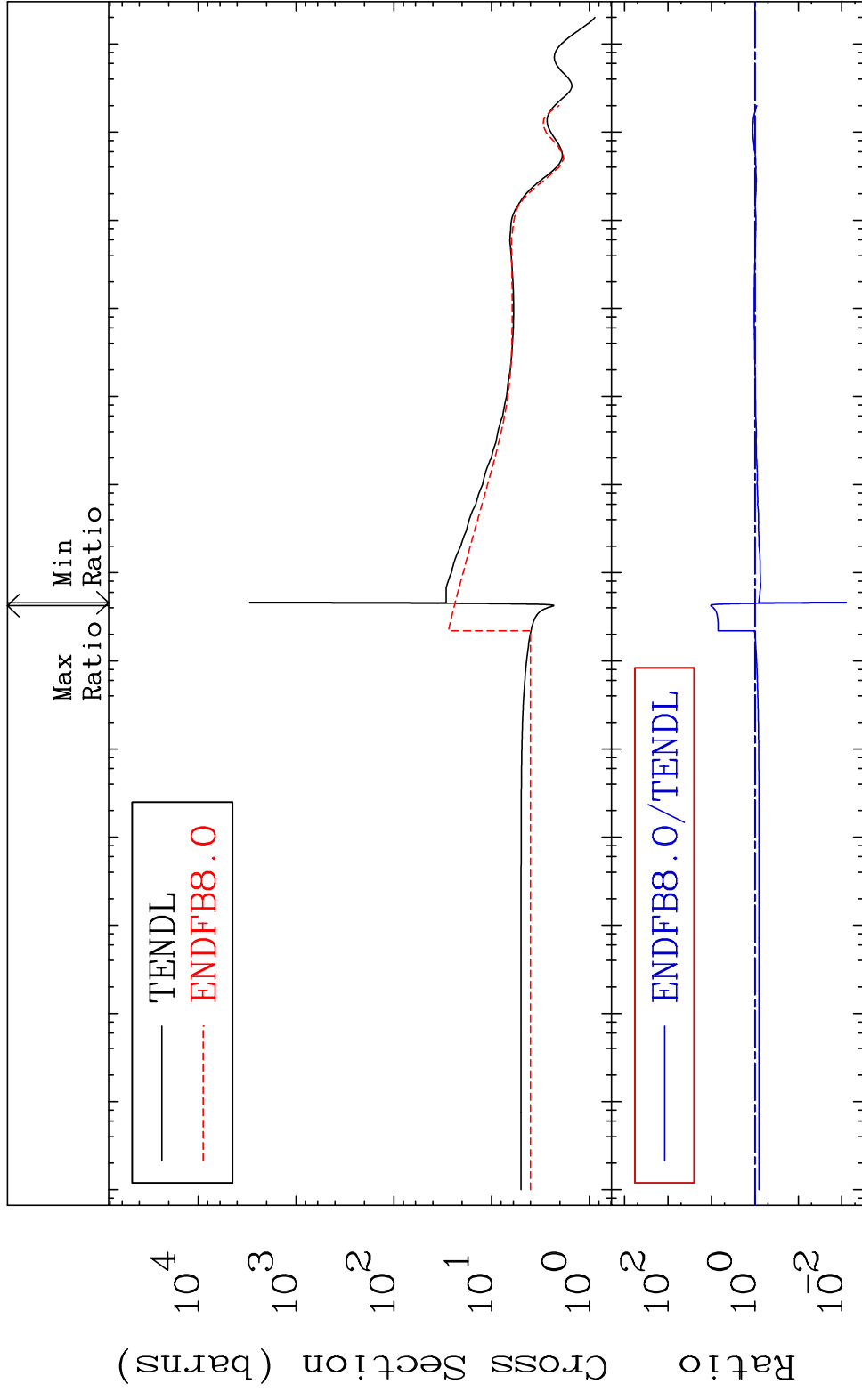
1

Incident Energy (eV)

50-Sn-123

MAT 5058

Elastic Cross Section -99.22 To 936.5 %  
50-Sn-123



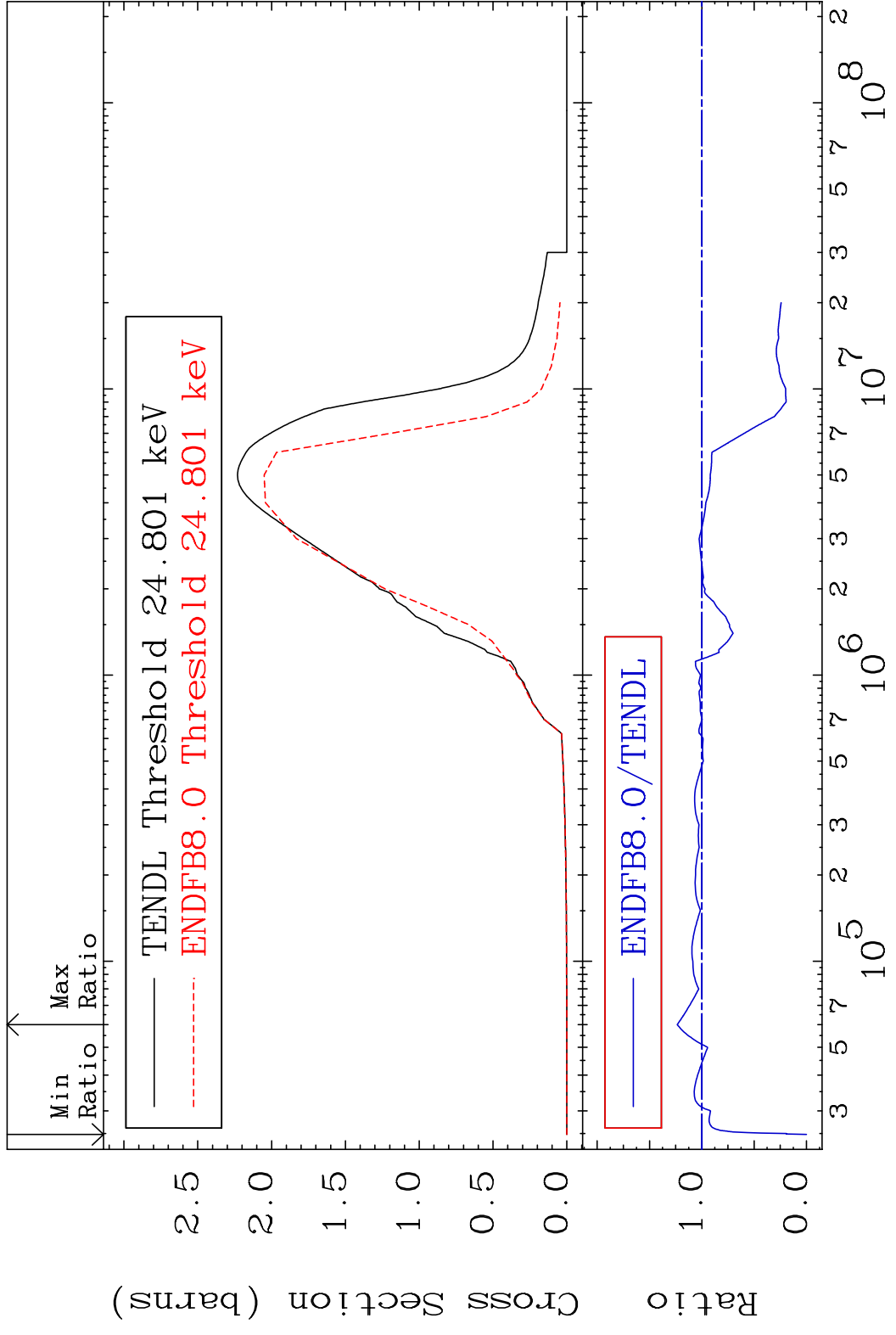
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

50-Sn-123

MAT 5058 Inelastic 50-Sn-123  
 Cross Section -100.0 To 23.54 %



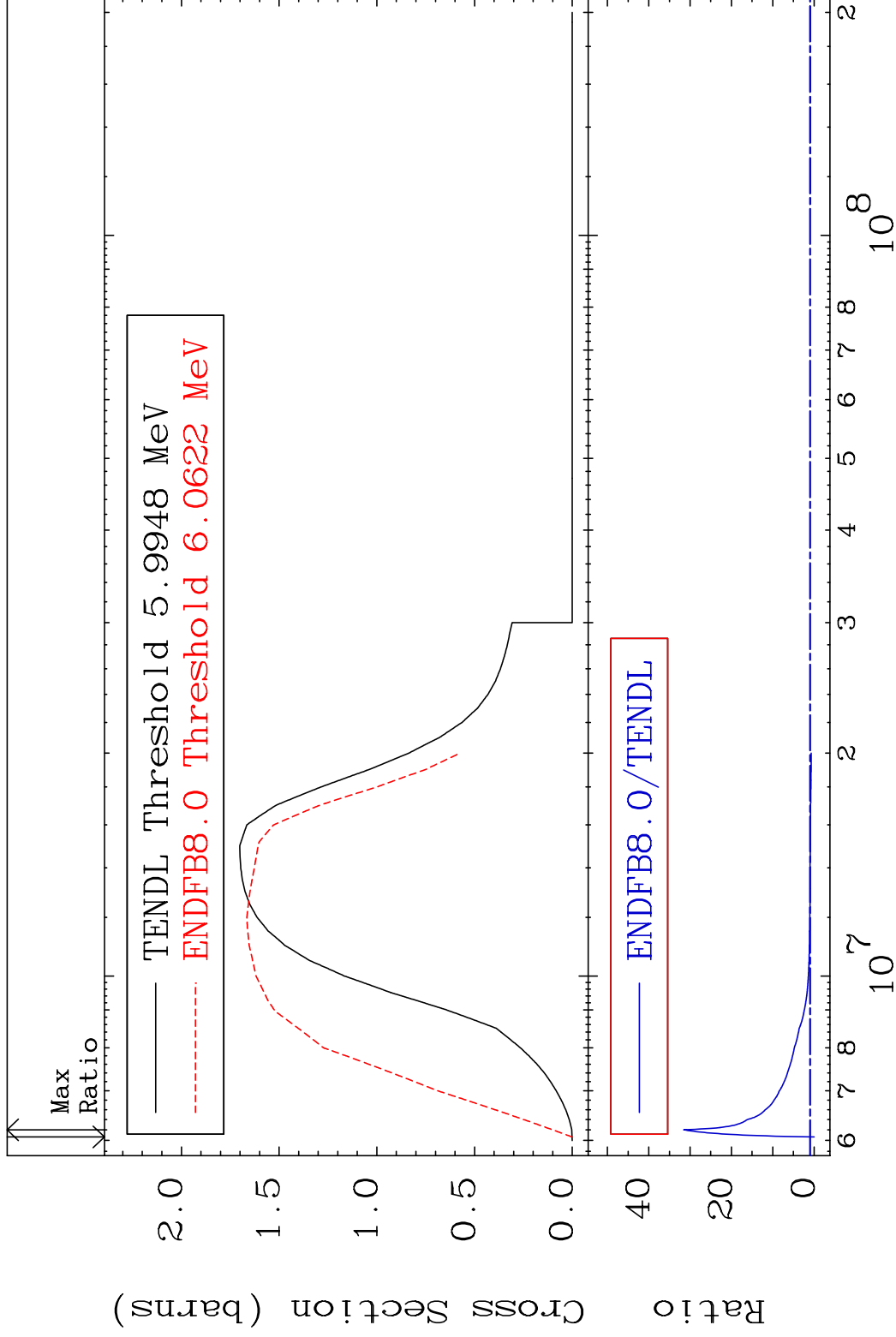
3 Incident Energy (eV) 50-Sn-123

MAT 5058

(n,2n)

50-Sn-123

Cross Section -100.0 To 3055. %

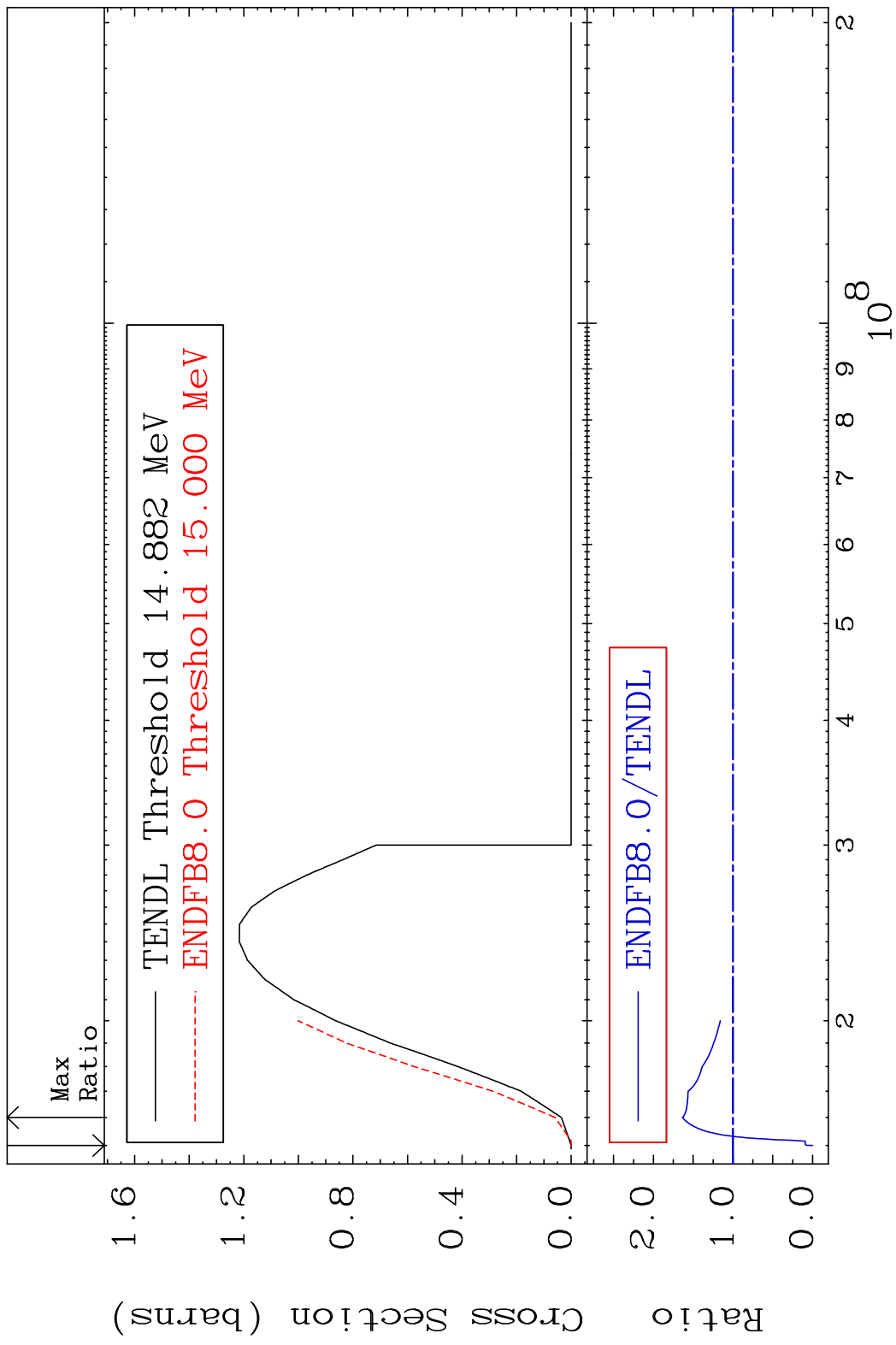


4

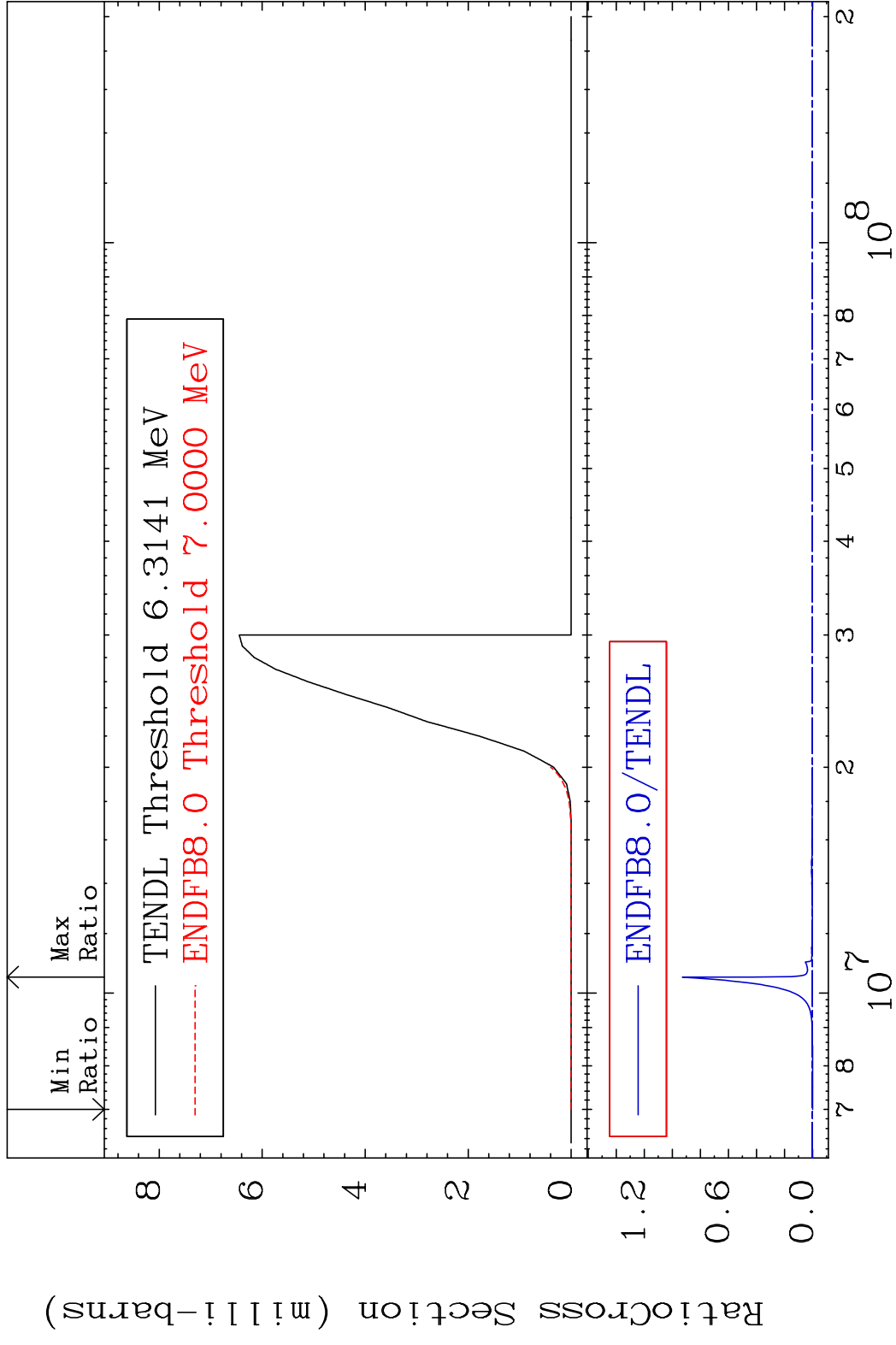
Incident Energy (eV)

50-Sn-123

MAT 5058 (n,3n) 50-Sn-123  
 Cross Section -100.0 To 63.63 %



MAT 5058 (n, n')  $\alpha$  50-Sn-123  
 Cross Section -100.0 To 9999. %

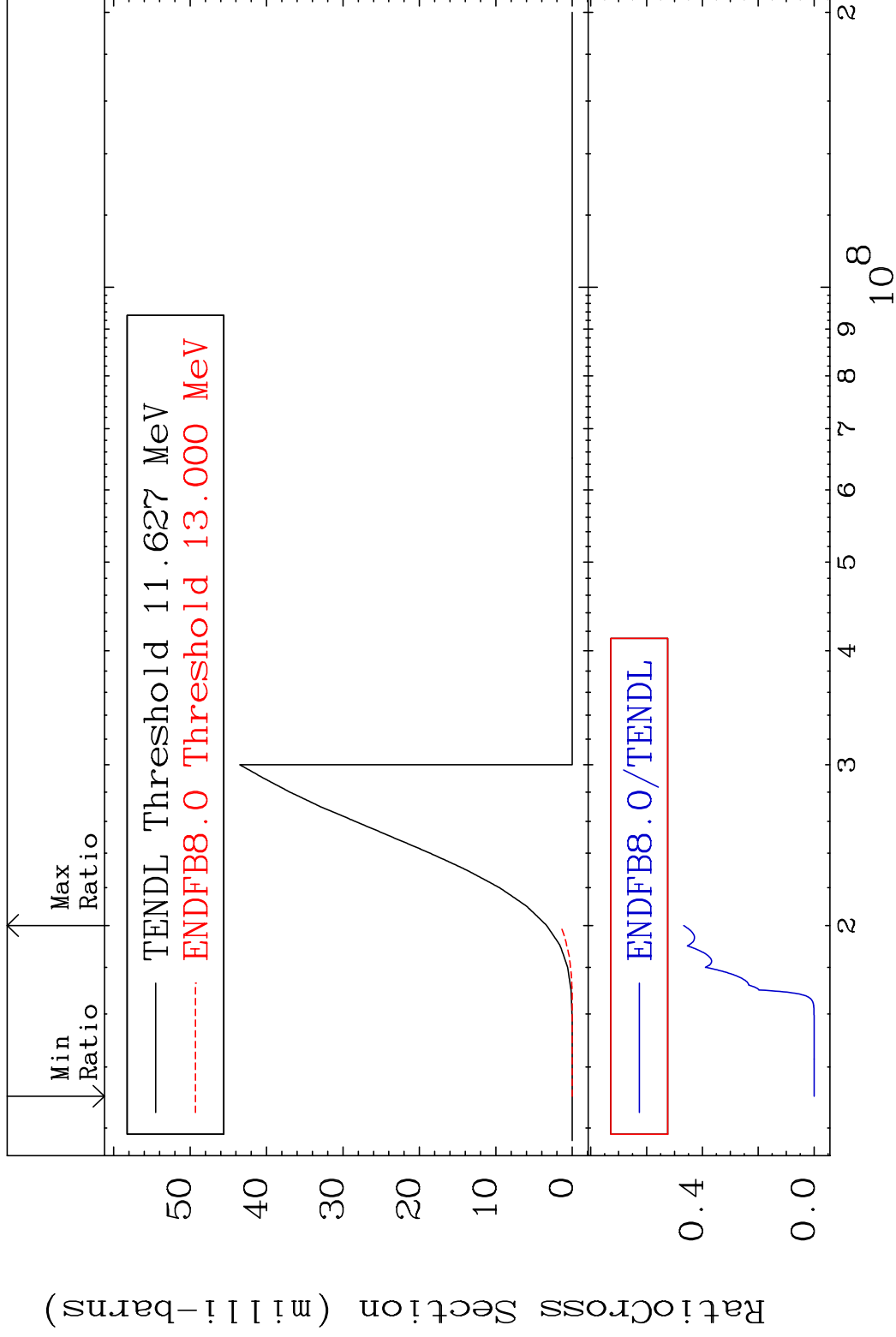


MAT 5058

(n, n') p

50-Sn-123

Cross Section -100.0 To -53.28%



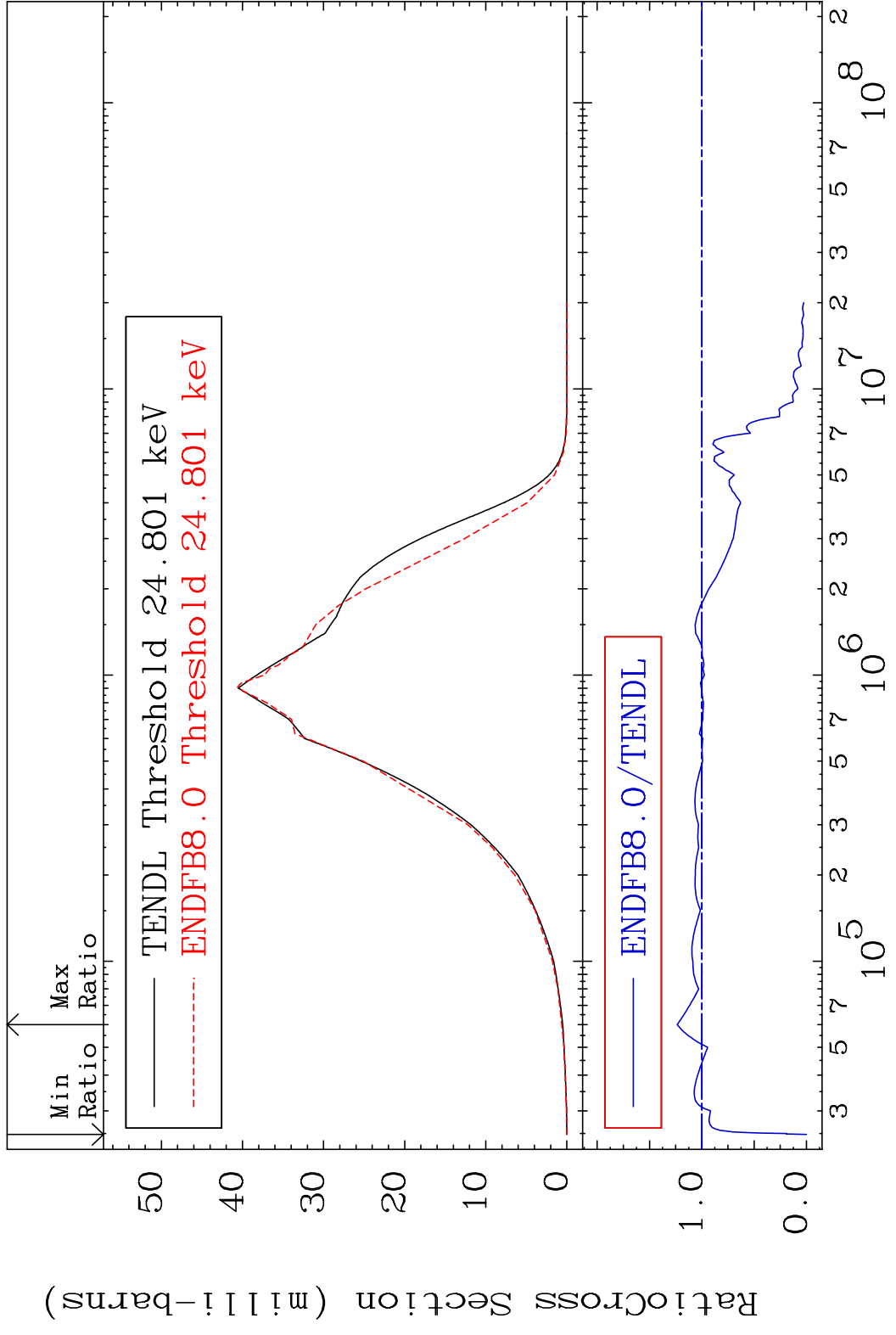
7

Incident Energy (eV)

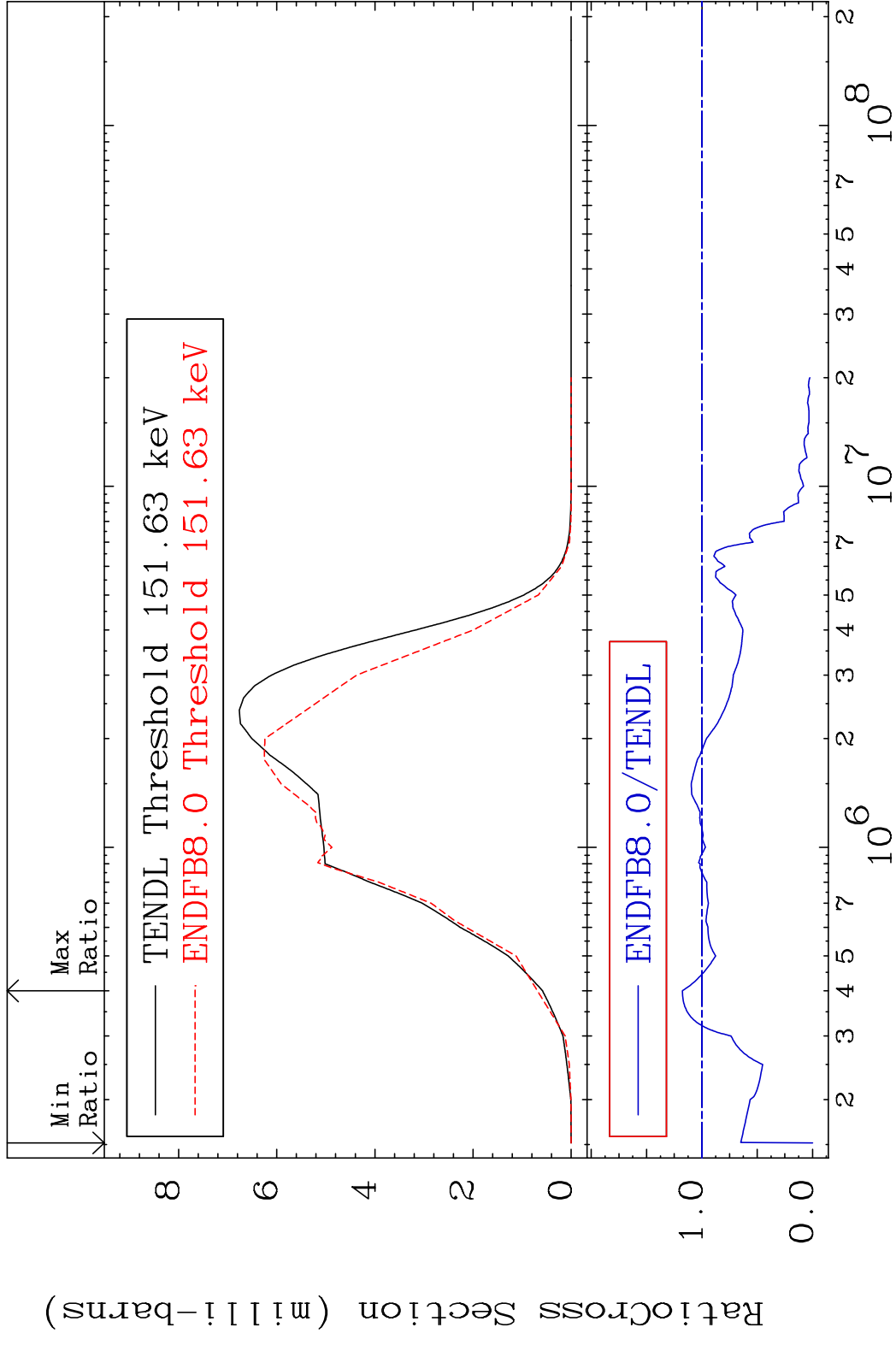
50-Sn-123



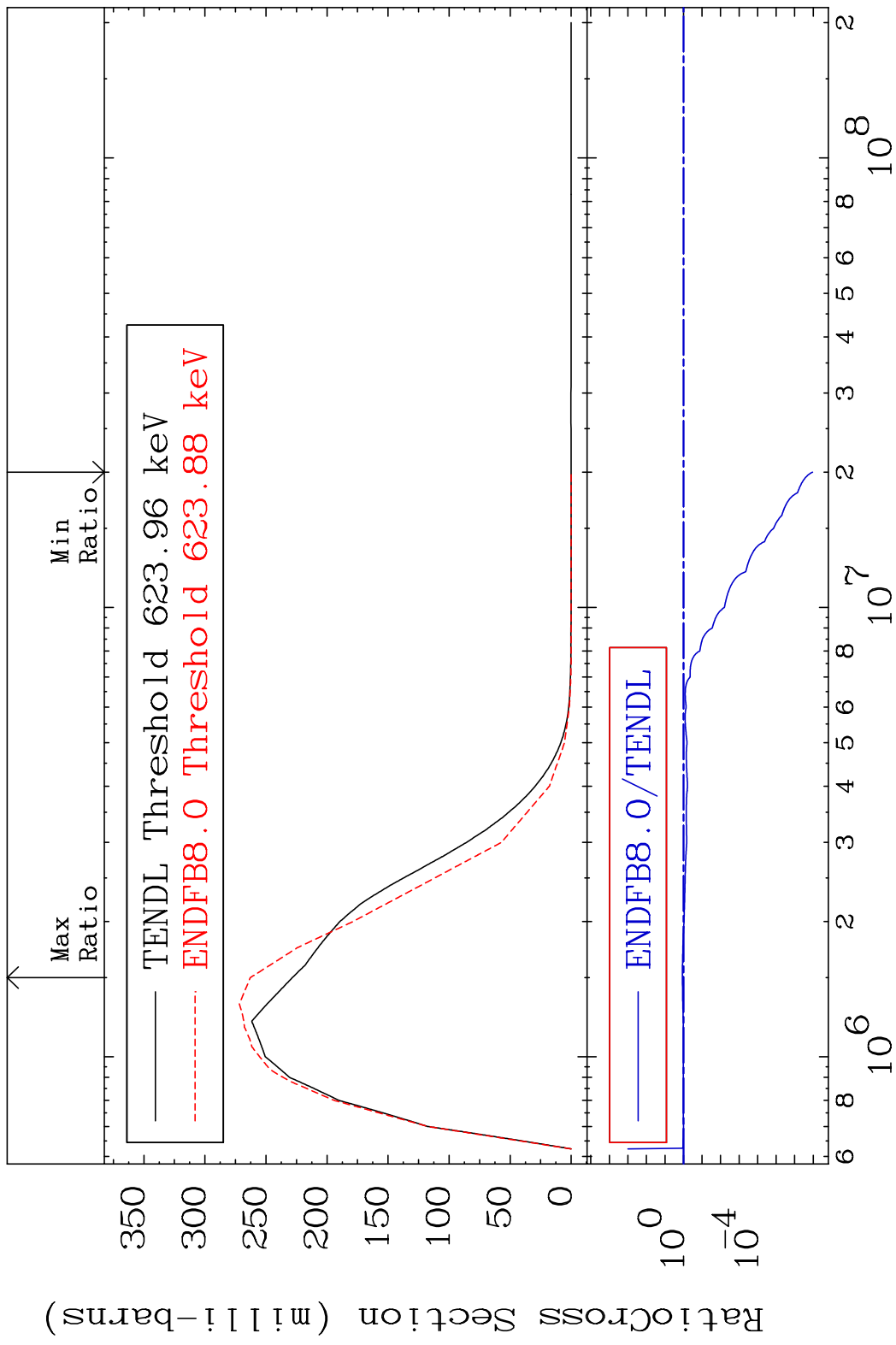
MAT 5058 MT= 51 (n, n') Level 50-Sn-123  
 Cross Section -100.0 To 23.54 %



MAT 5058 MT= 52 (n,n') Level 50-Sn-123  
 Cross Section -100.0 To 17.66 %

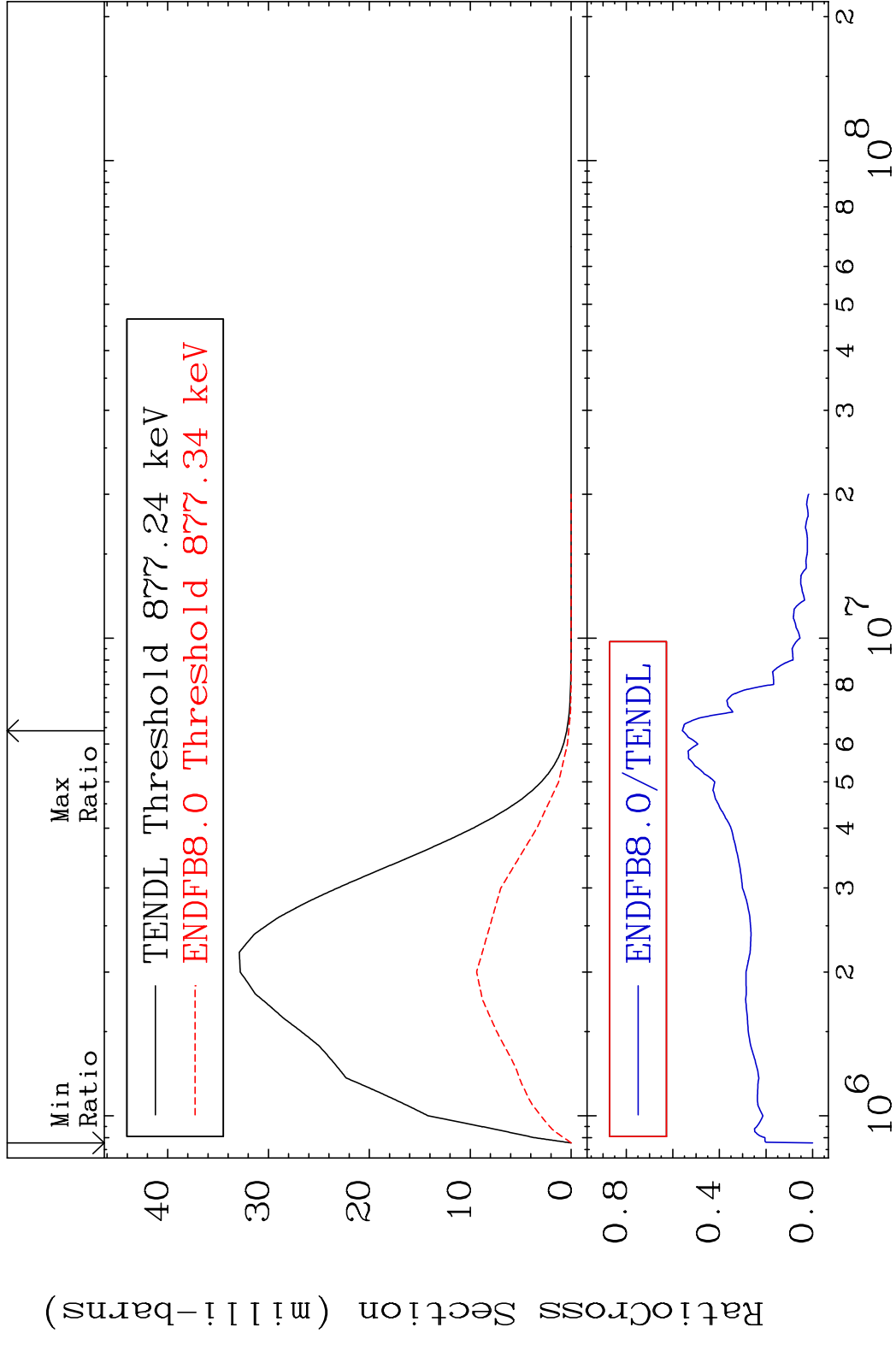


MAT 5058 MT= 53 (n, n') Level 50-Sn-123  
 Cross Section -100.0 To 15.06 %

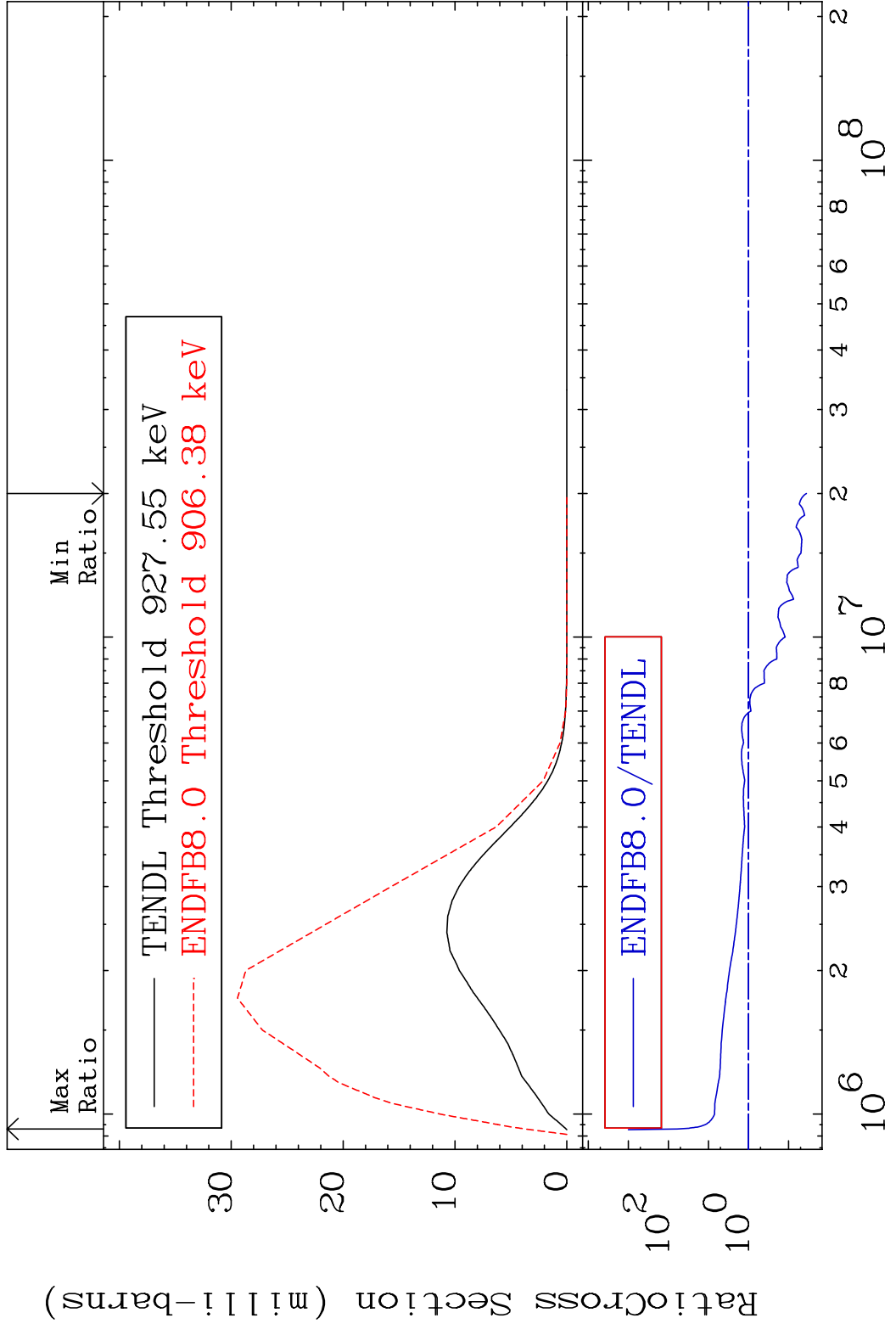


10 Incident Energy (eV) 50-Sn-123

MAT 5058 MT= 54 (n, n') Level 50-Sn-123  
 Cross Section -100.0 To -44.10%

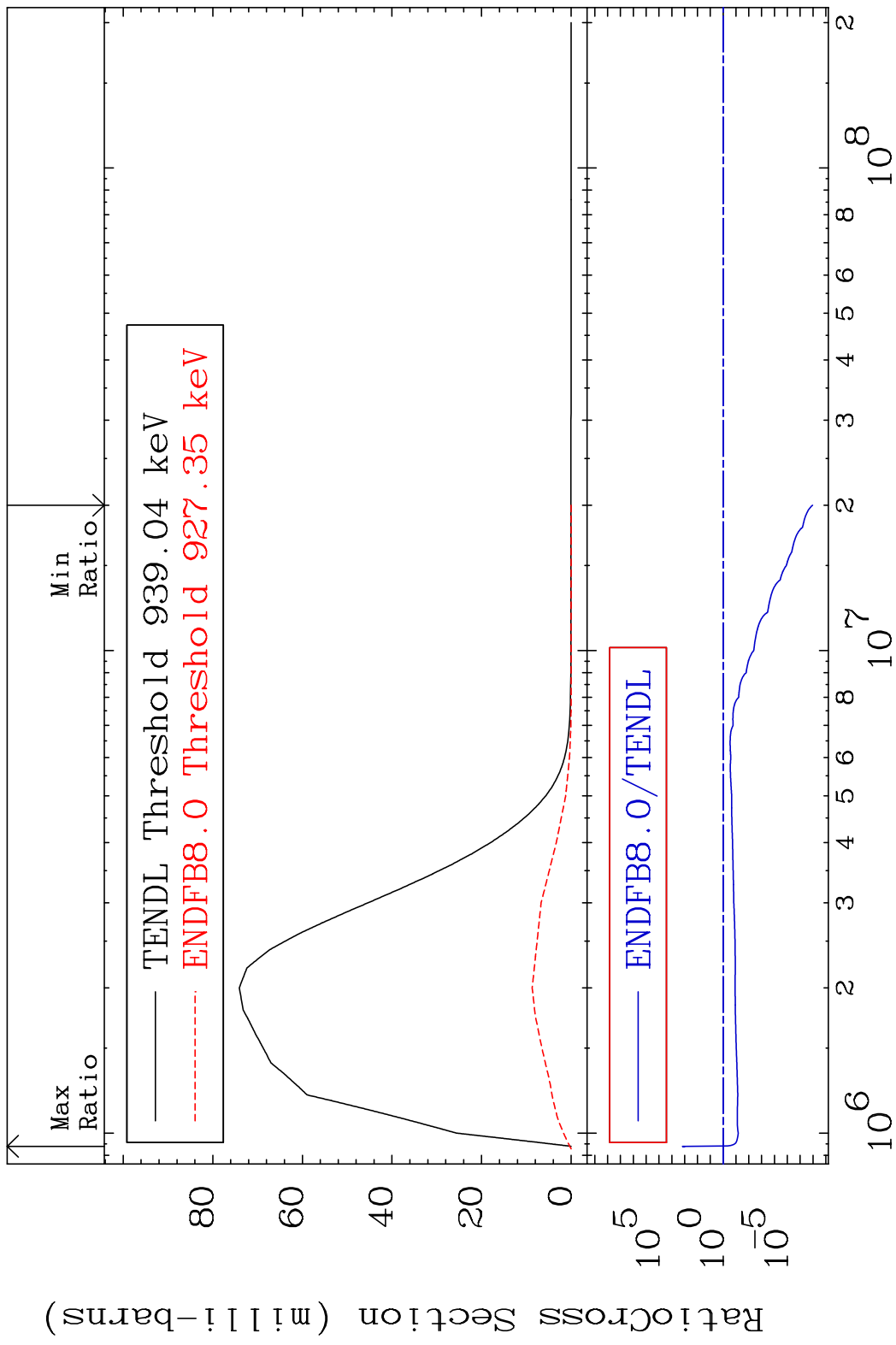


MAT 5058 MT= 55 (n, n') Level 50-Sn-123  
 Cross Section -96.41 To 5920. %



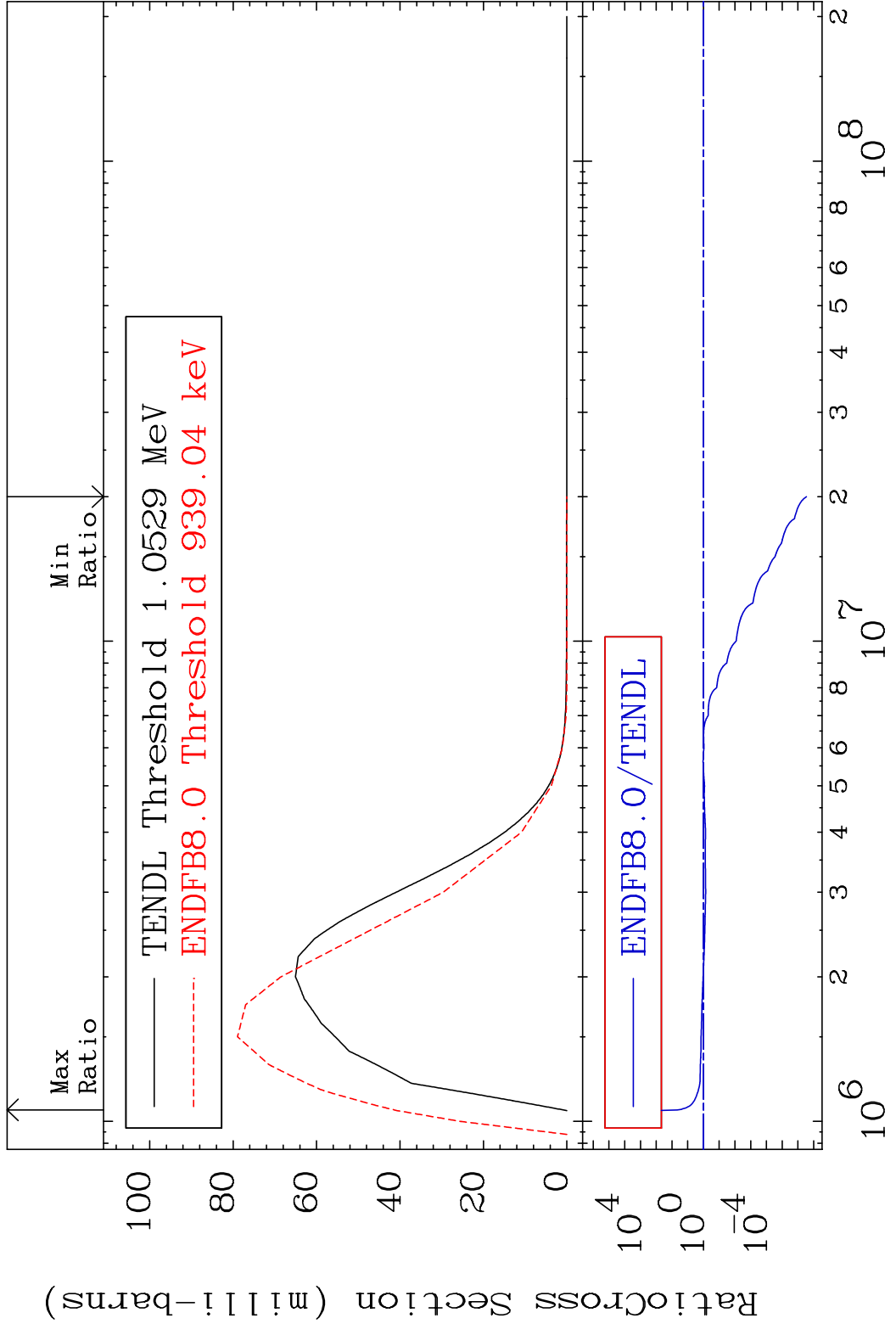
12 Incident Energy (eV) 50-Sn-123

MAT 5058 MT= 56 (n, n') Level 50-Sn-123  
 Cross Section -100.0 To 9999. %



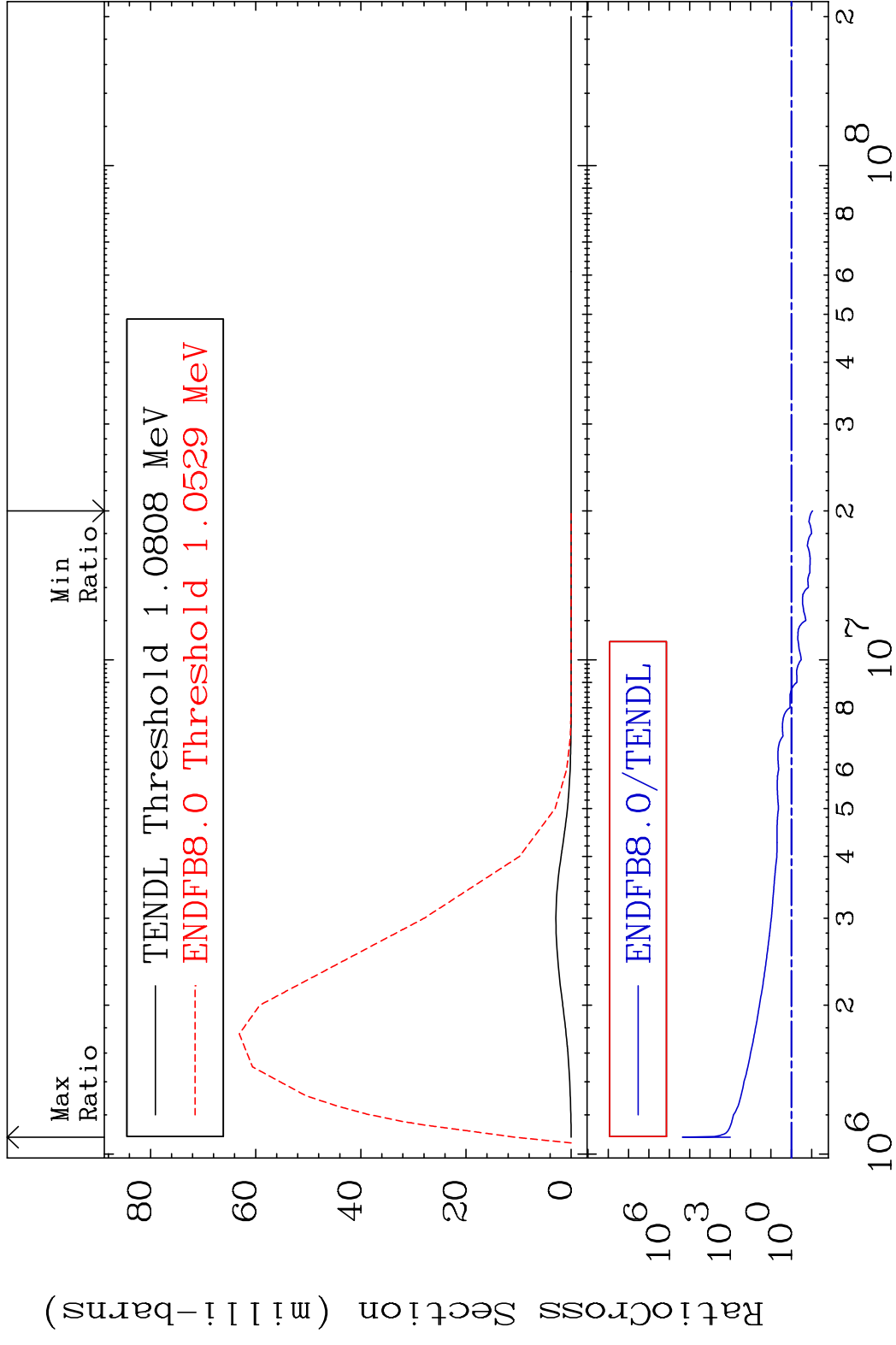
13 Incident Energy (eV) 50-Sn-123

MAT 5058 MT= 57 (n, n') Level 50-Sn-123  
 Cross Section -100.0 To 4556. %



14 Incident Energy (eV) 50-Sn-123

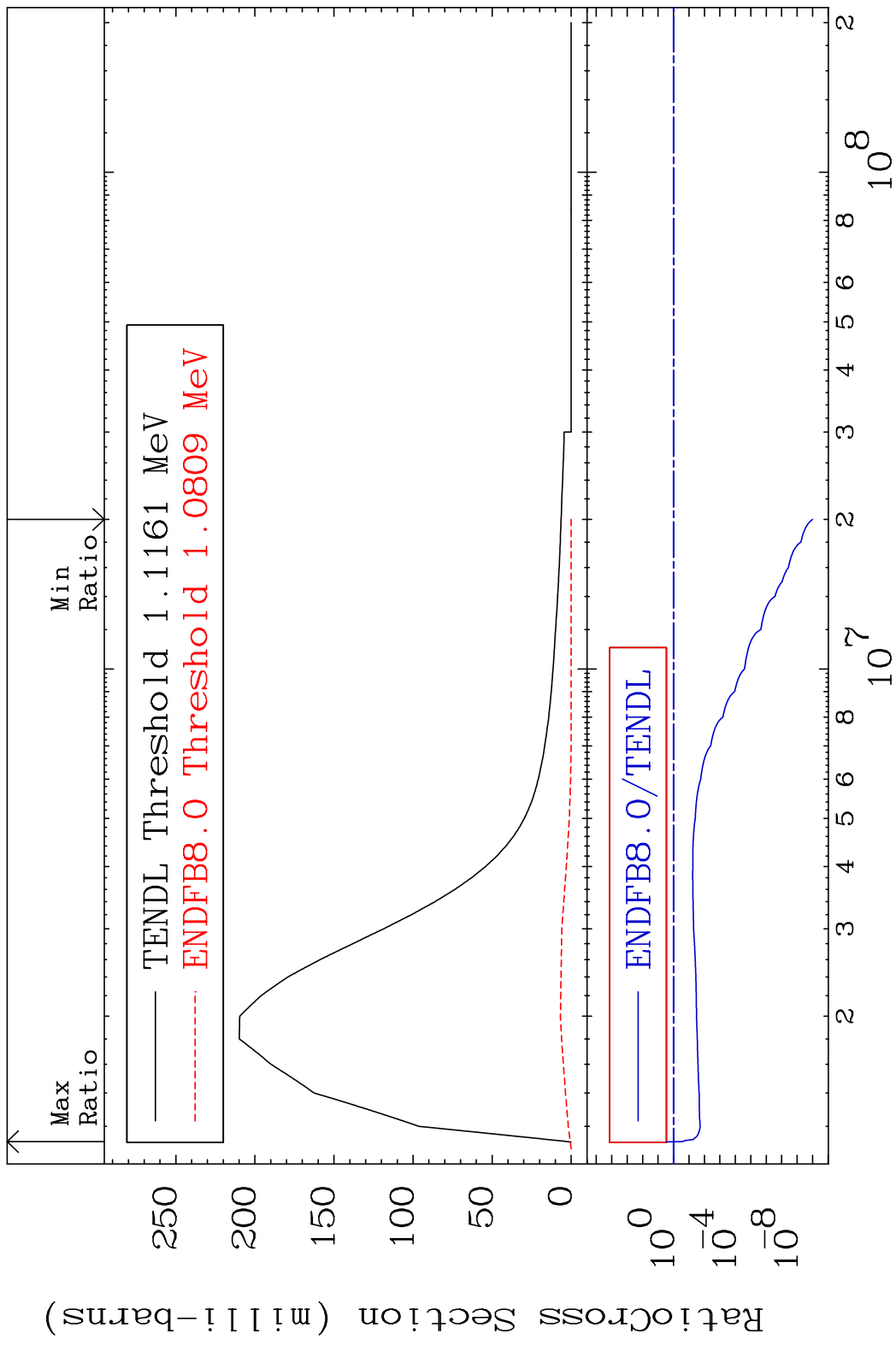
MAT 5058 MT= 58 (n, n') Level 50-Sn-123  
 Cross Section -90.98 To 9999. %



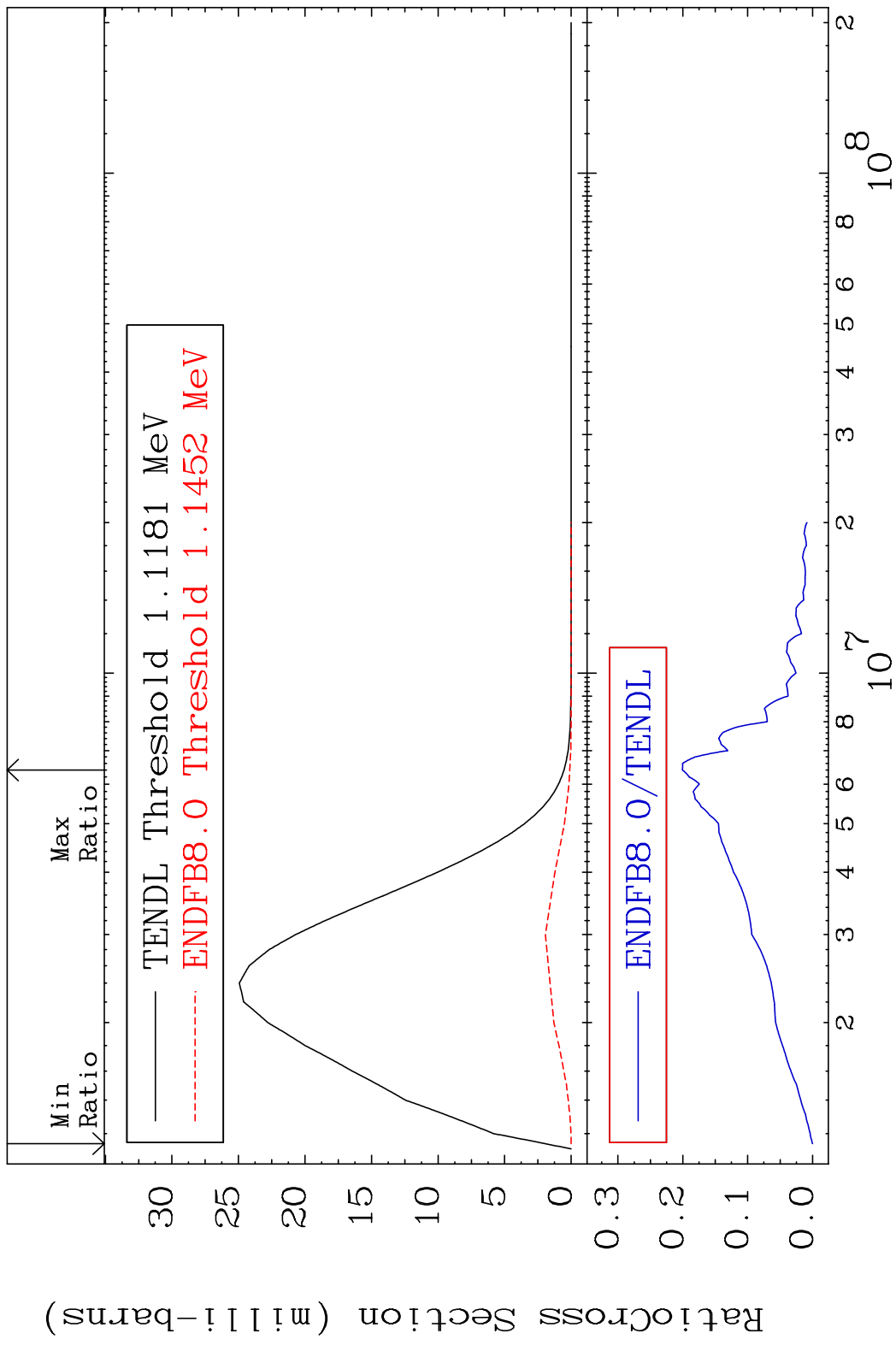
15 Incident Energy (eV) 50-Sn-123



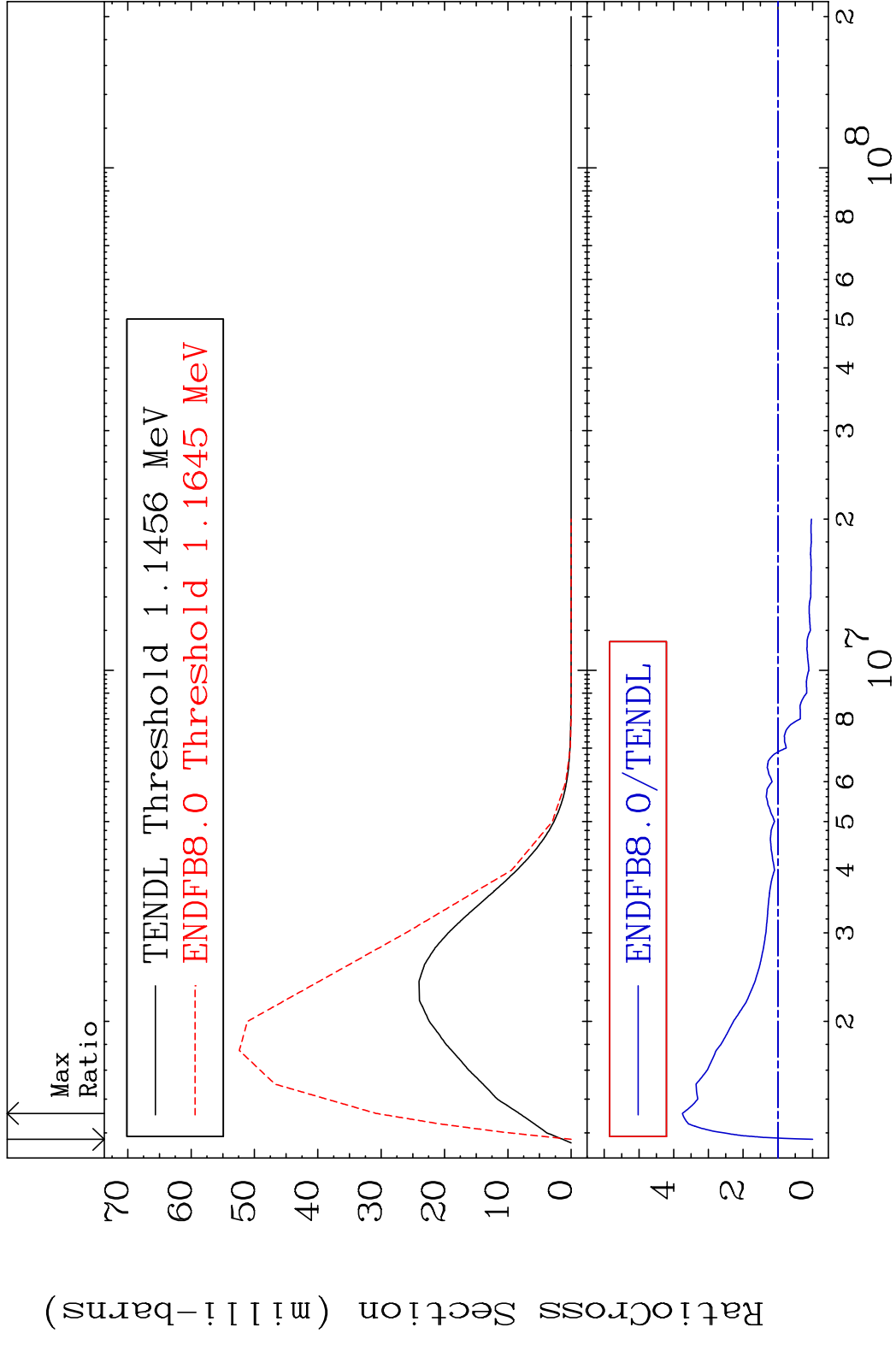
MAT 5058 MT= 59 (n, n') Level 50-Sn-123  
 Cross Section -100.0 To -73.24%



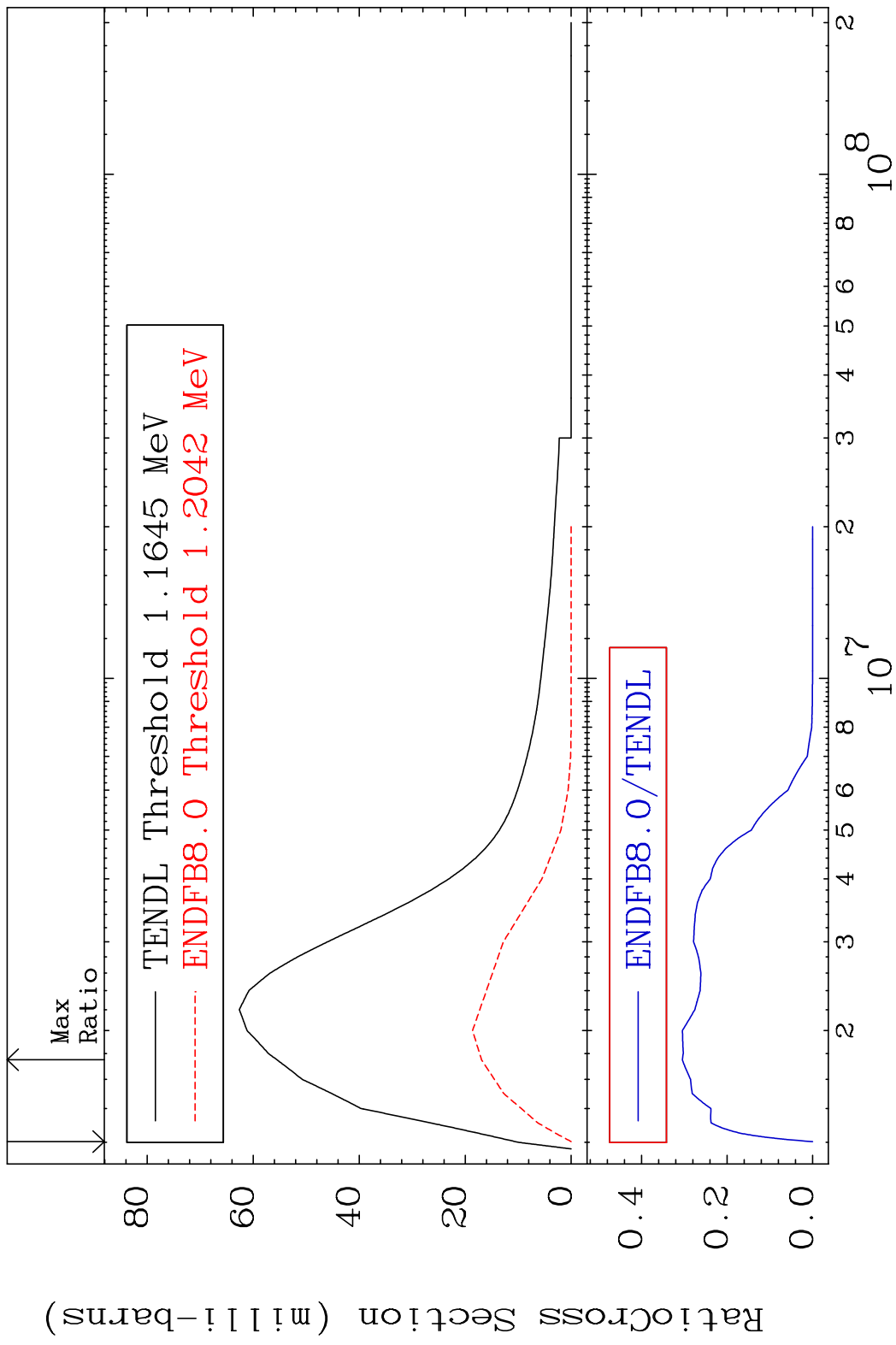
MAT 5058 MT= 60 (n, n') Level 50-Sn-123  
 Cross Section -100.0 To -79.93%



MAT 5058      MT= 61 (n,n') Level      50-Sn-123  
 Cross Section    -100.0 To 275.1 %



MAT 5058 MT= 62 (n, n') Level 50-Sn-123  
 Cross Section -100.0 To -69.55%

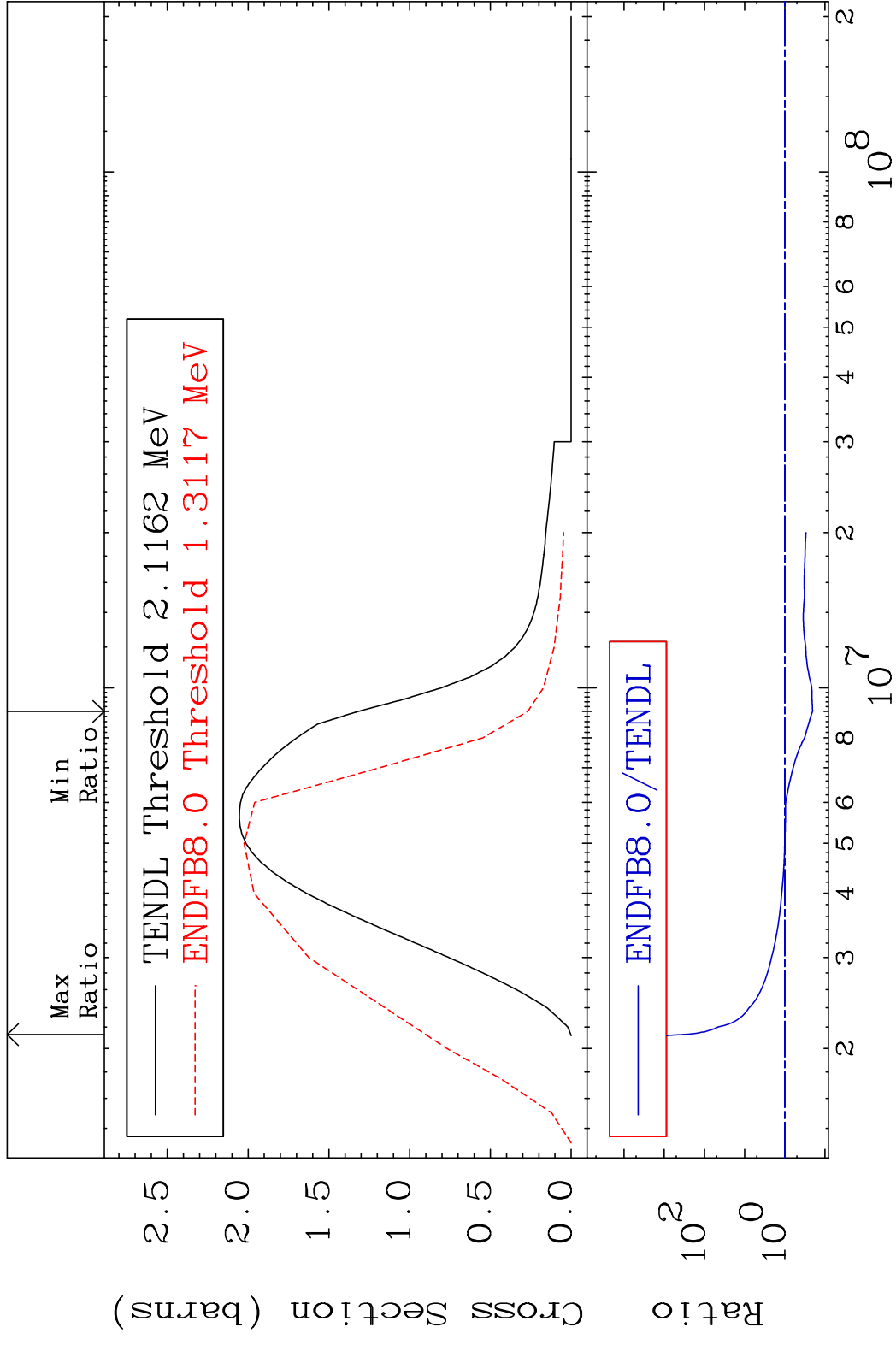


MAT 5058

(n, n') Continuum

50-Sn-123

Cross Section -79.58 To 9999. %

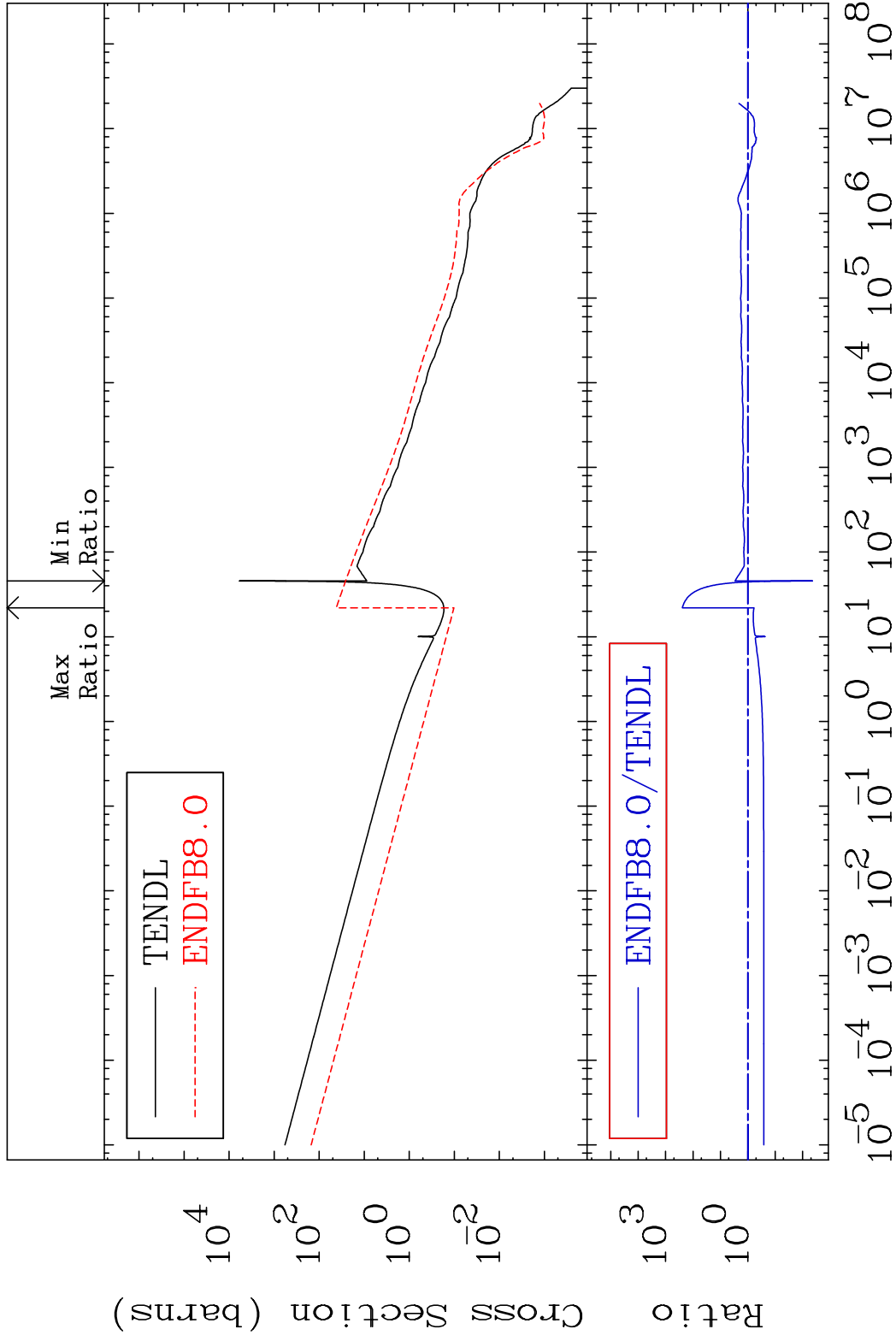


MAT 5058

(n,  $\gamma$ )

50-Sn-123

Cross Section -99.56 To 9999. %



21

Incident Energy (eV)

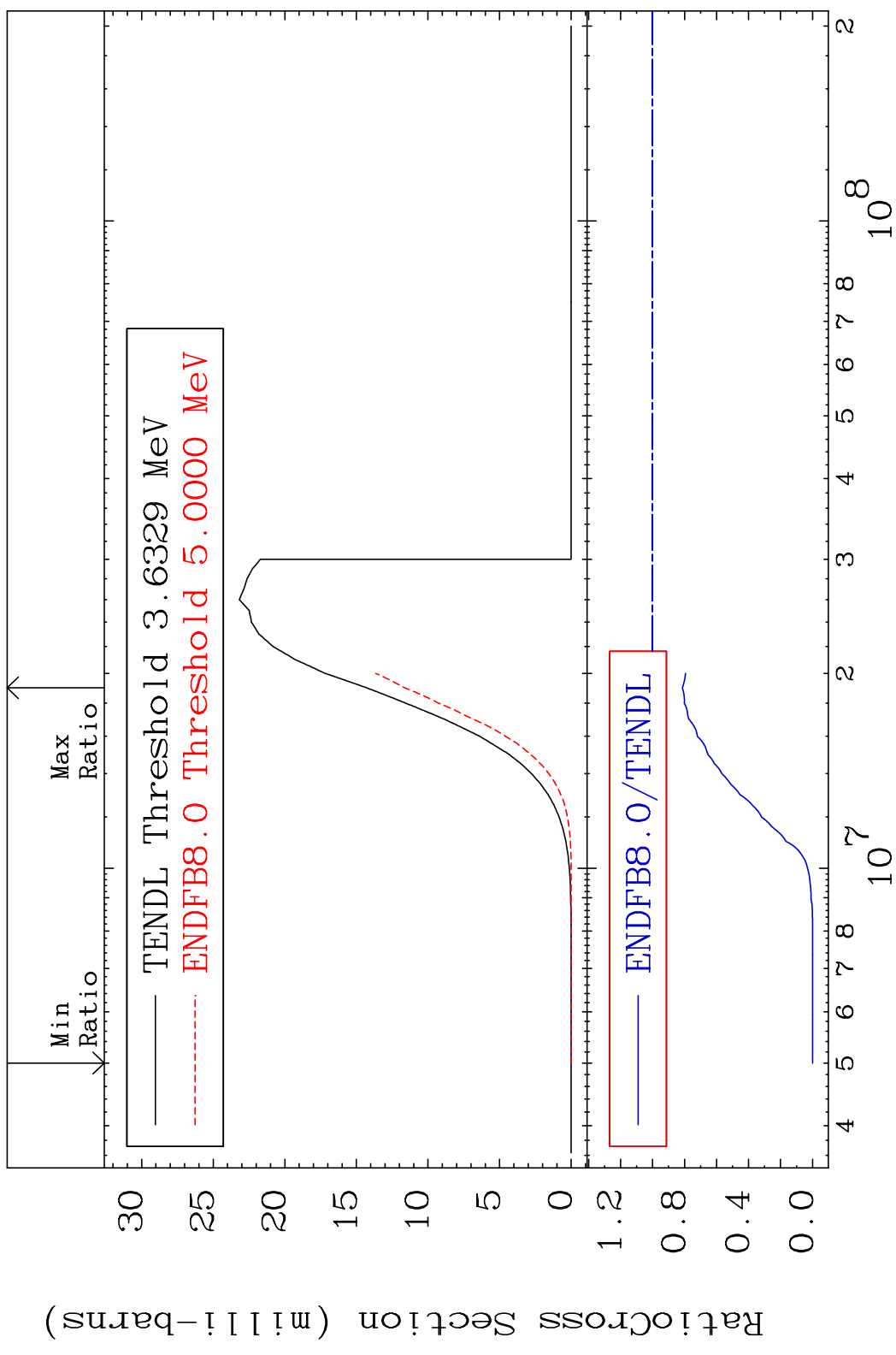
50-Sn-123

MAT 5058

(n,p)

50-Sn-123

Cross Section -100.0 To -18.62%

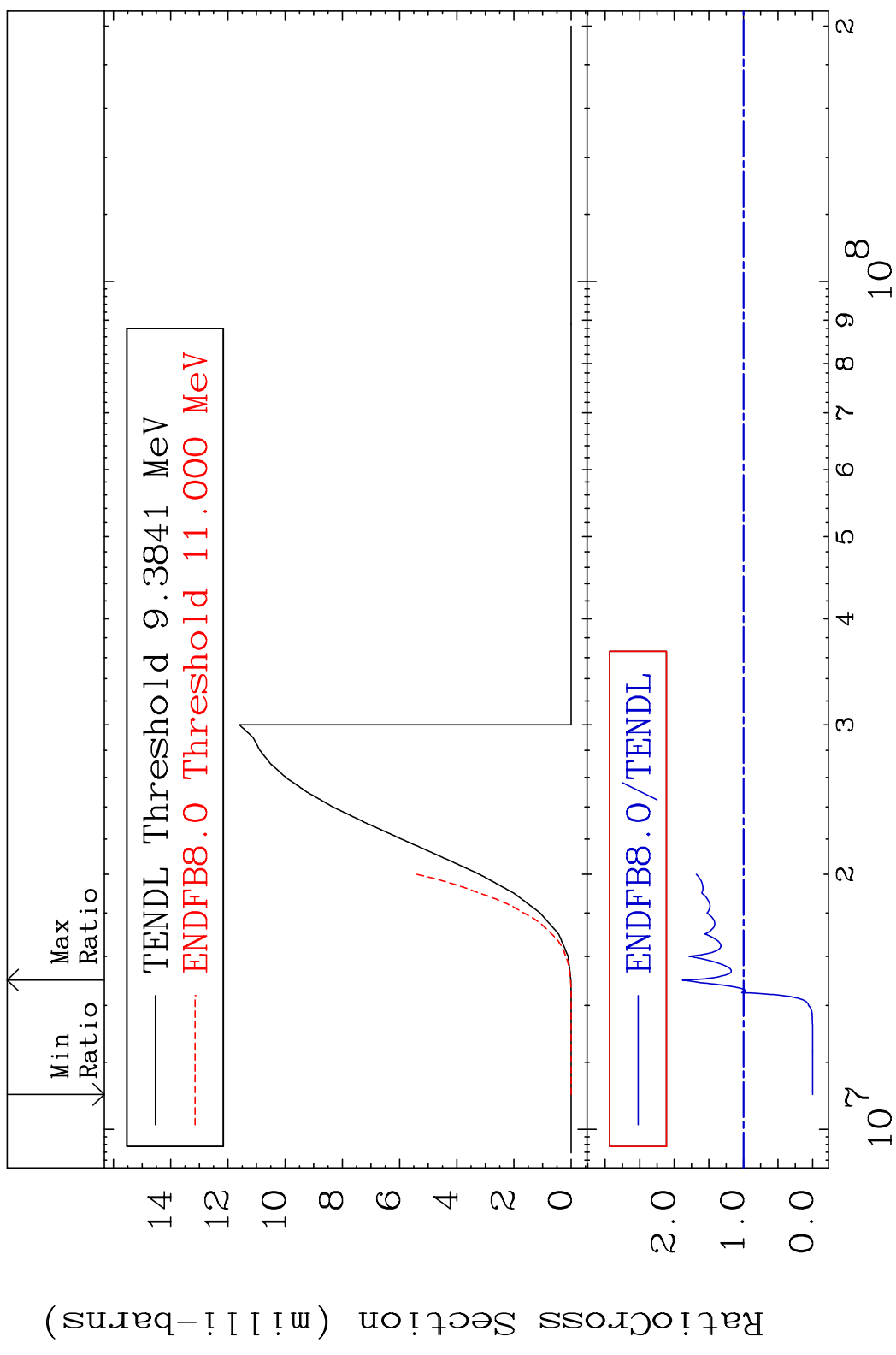


MAT 5058

(n,d)

50-Sn-123

Cross Section -100.0 To 88.32 %



23

Incident Energy (eV)

50-Sn-123

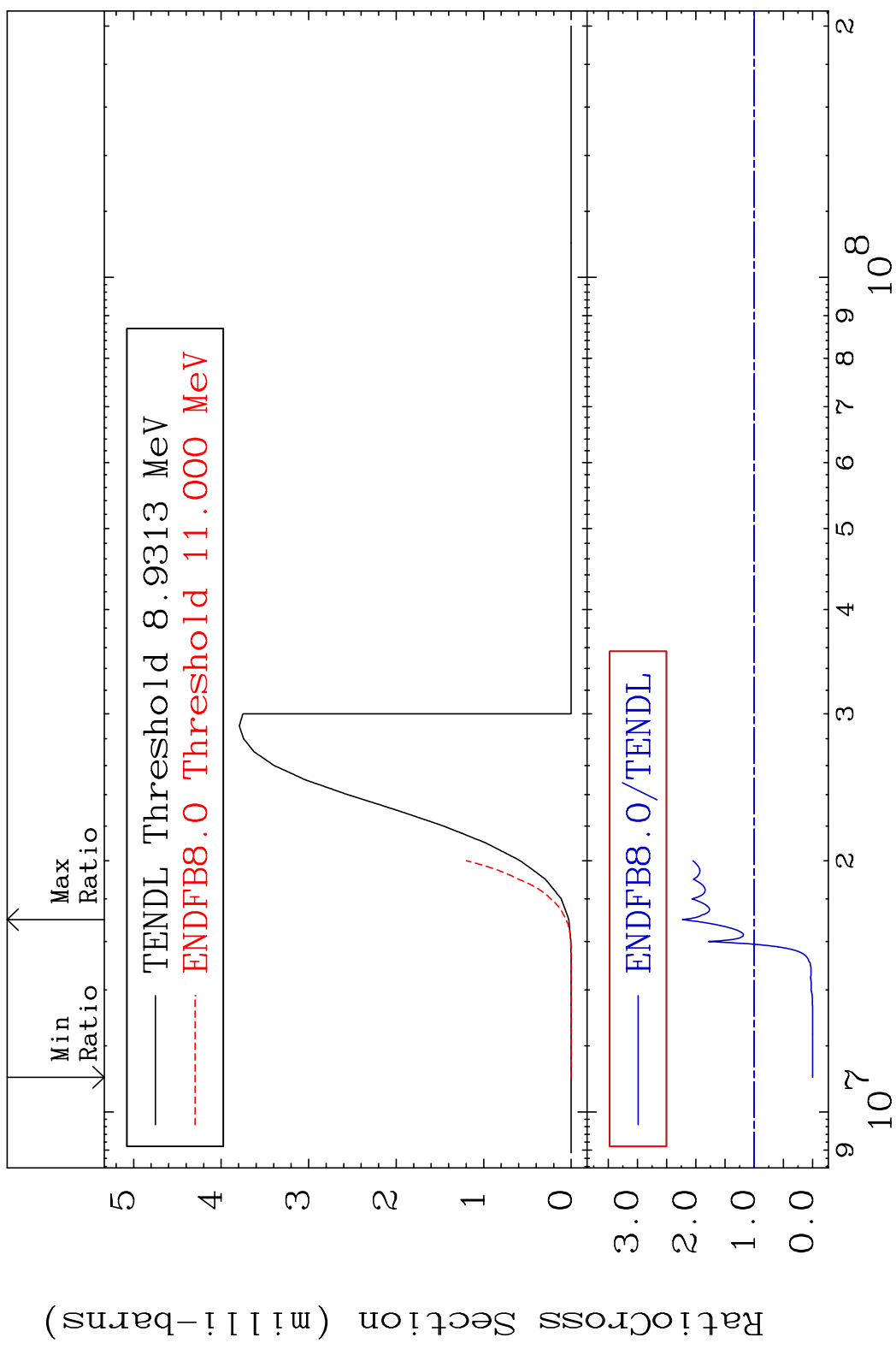


MAT 5058

(n, t)

50-Sn-123

Cross Section -100.0 To 123.0 %



24

Incident Energy (eV)

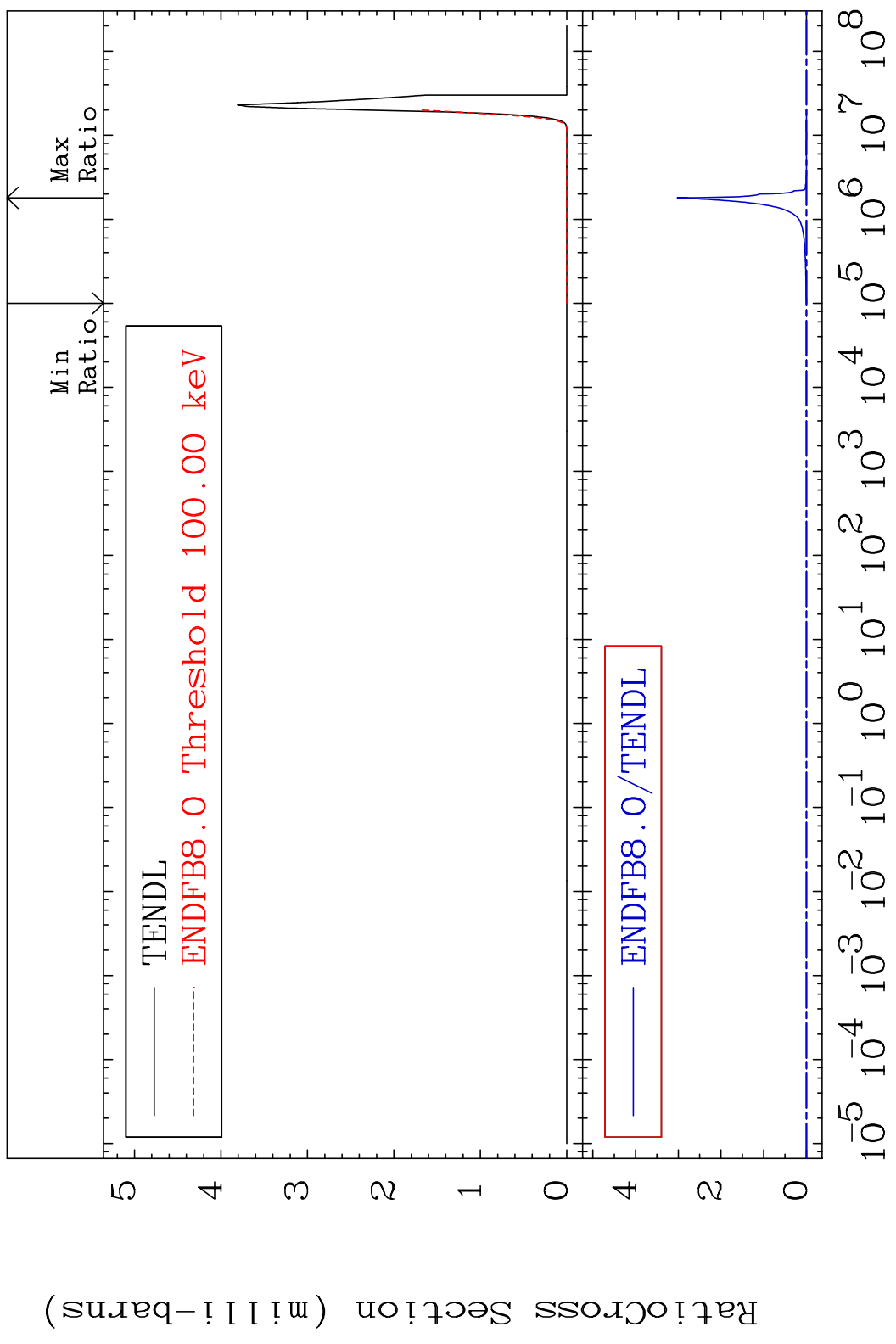
50-Sn-123

MAT 5058

(n,  $\alpha$ )

50-Sn-123

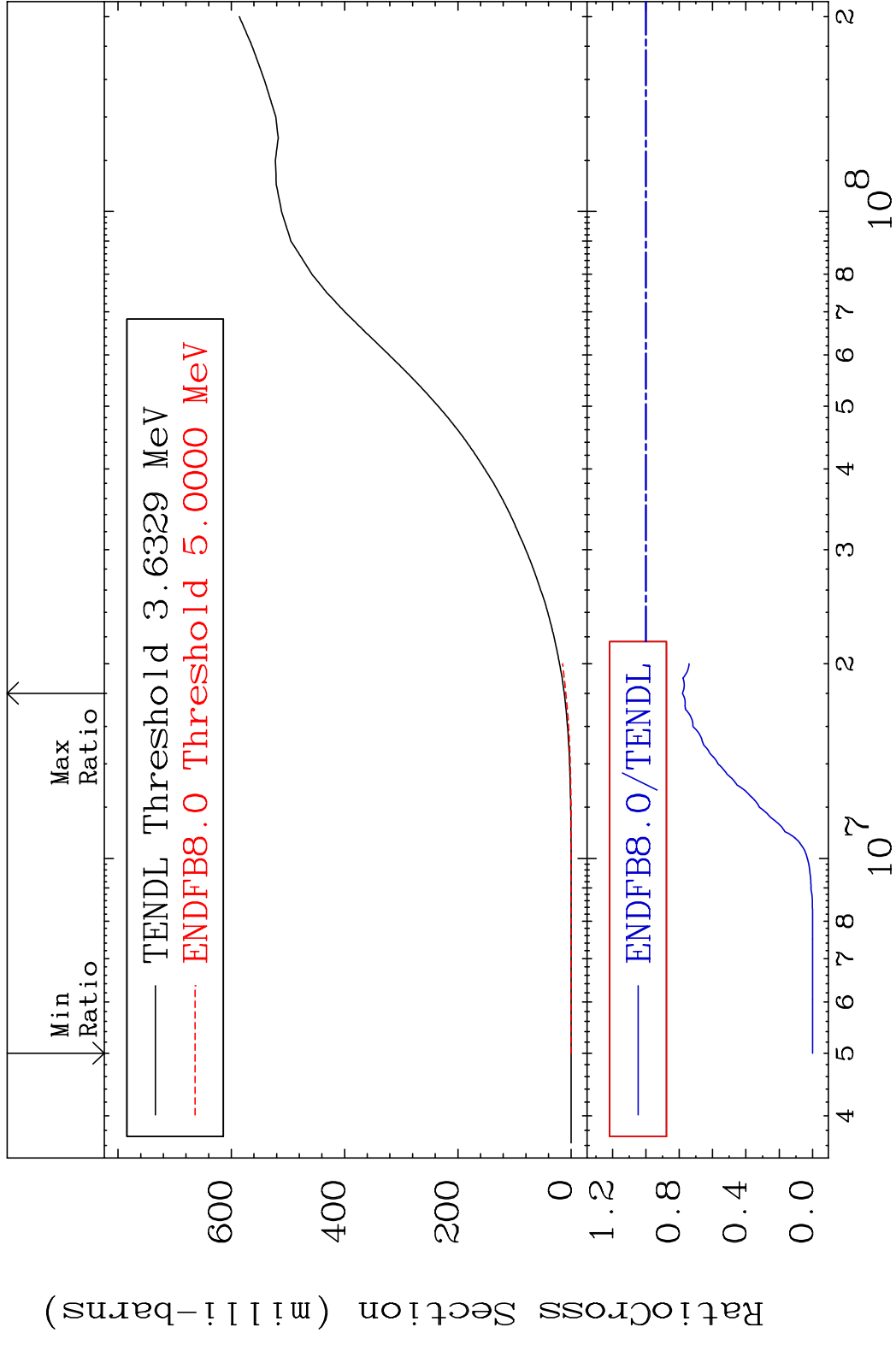
Cross Section -100.0 To 9999. %



MAT 5058

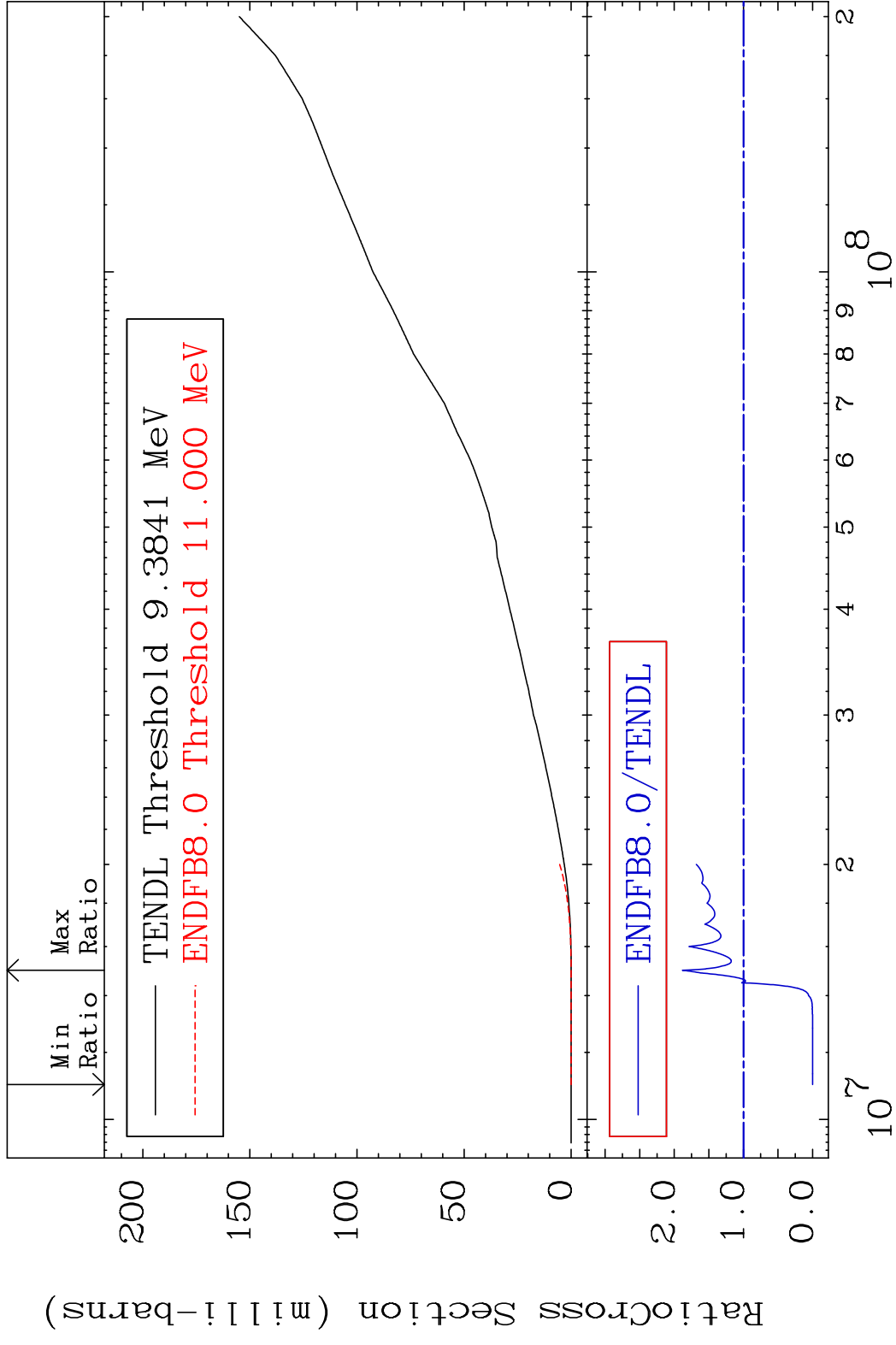
Hydrogen Production 50-Sn-123

Cross Section -100.0 To -21.88%



MAT 5058

Deuterium Production 50-Sn-123  
Cross Section -100.0 To 88.32 %



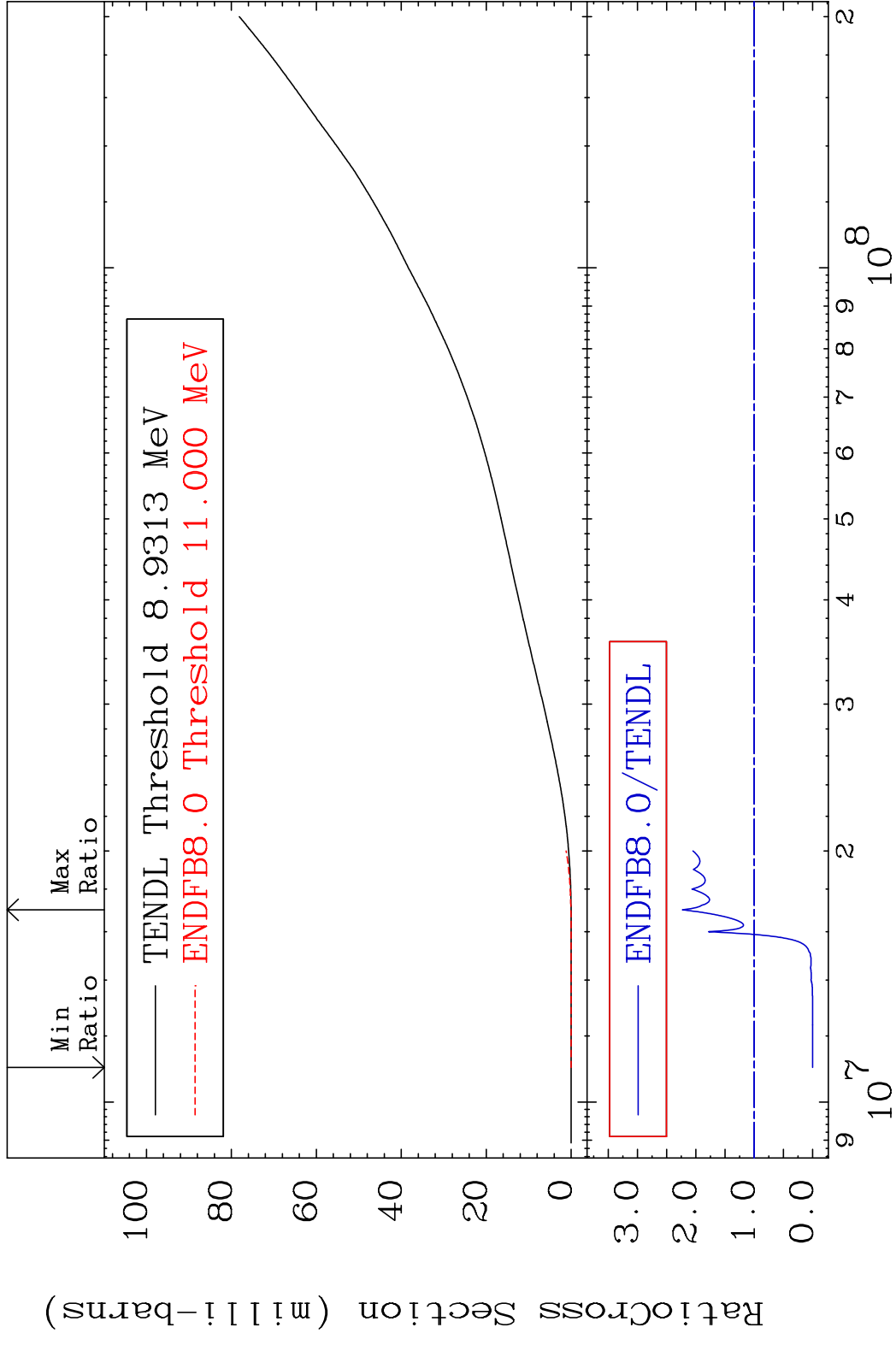
27

Incident Energy (eV) 50-Sn-123

MAT 5058

Tritium Production 50-Sn-123

Cross Section -100.0 To 123.0 %



28

Incident Energy (eV)

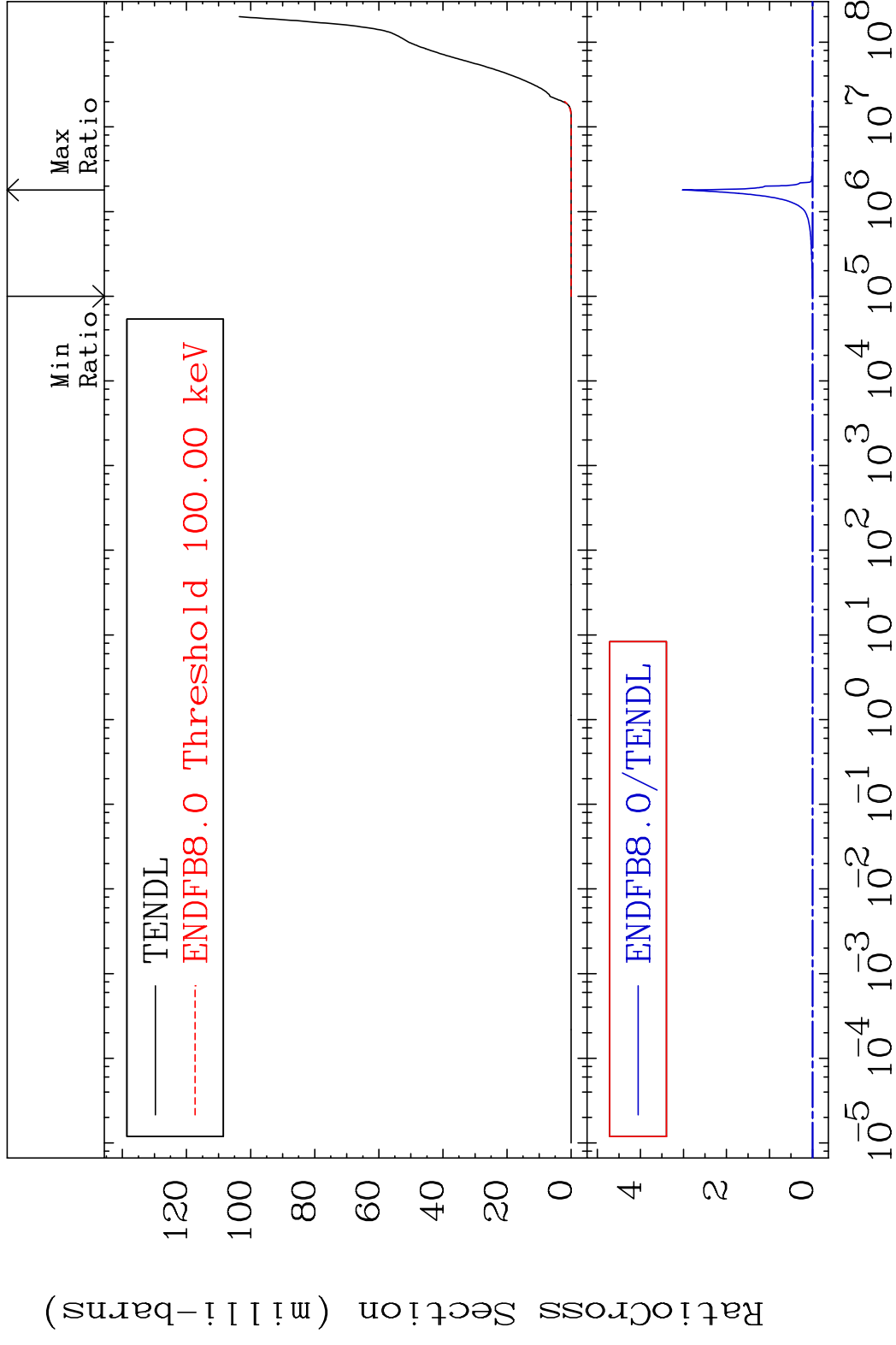
50-Sn-123

MAT 5058

He-4 Production

50-Sn-123

Cross Section -100.0 To 9999. %

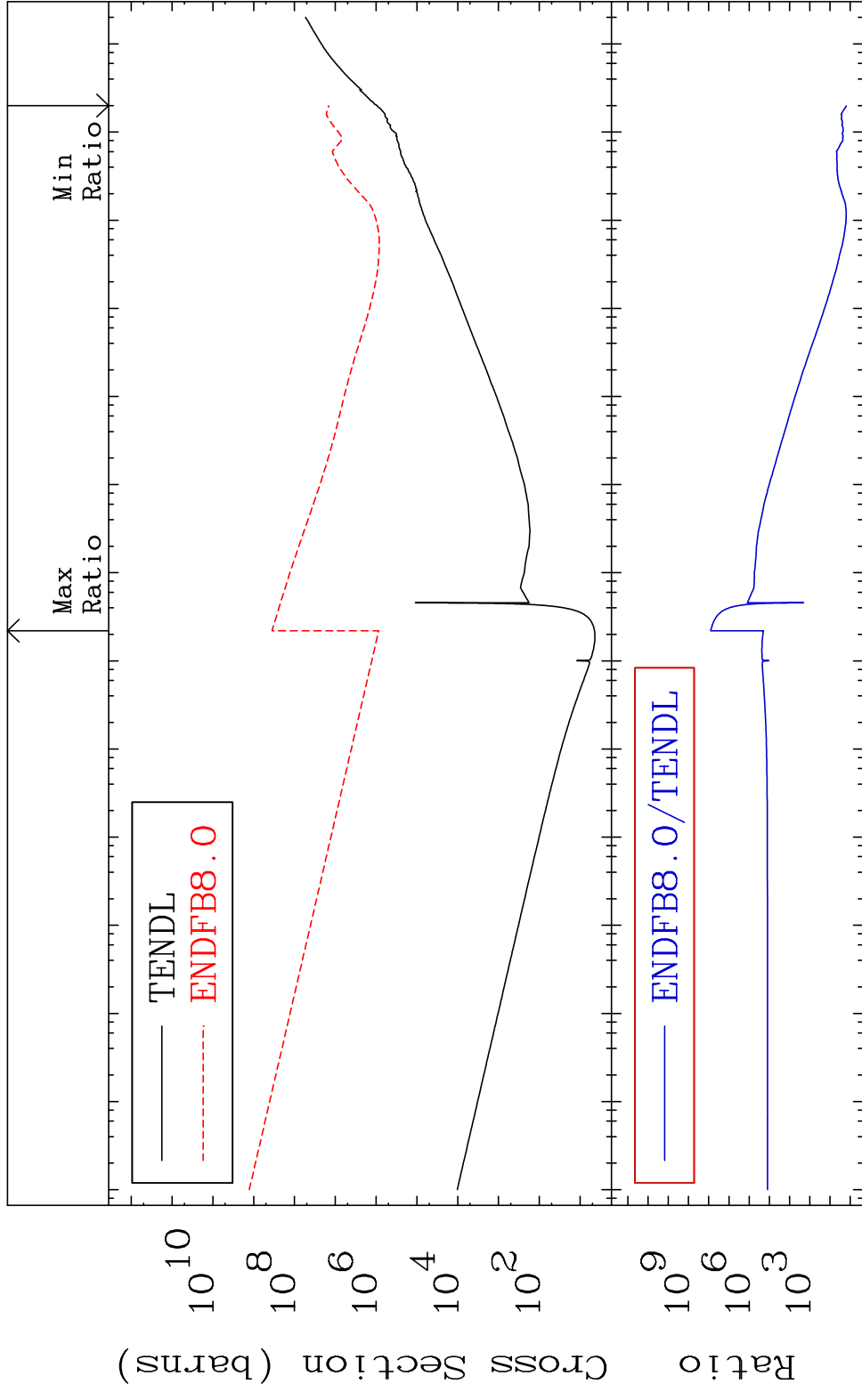


29

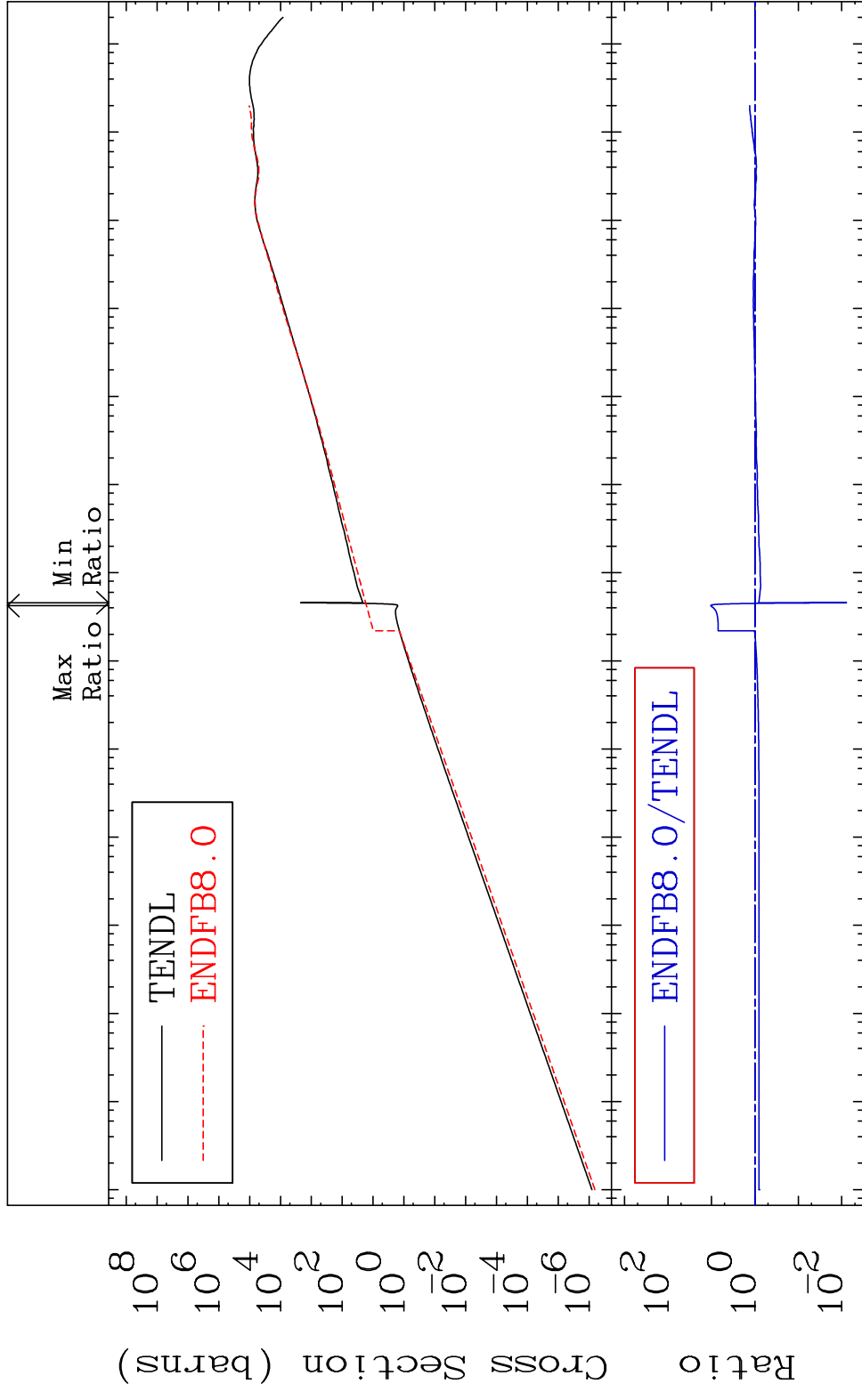
Incident Energy (eV)

50-Sn-123

MAT 5058 Kerma total (eV-barns) 50-Sn-123  
 Cross Section 1457. To 9999. %



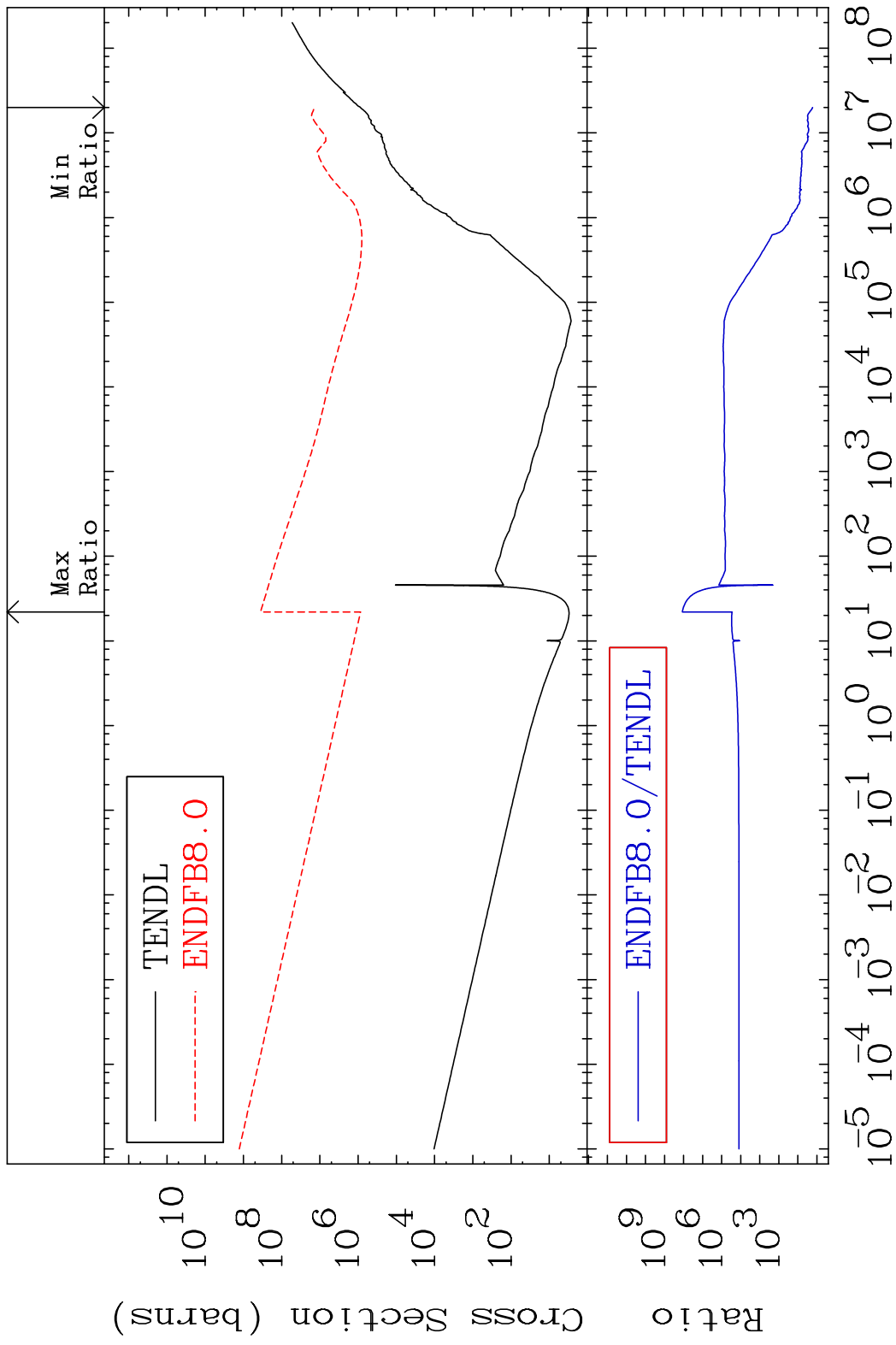
MAT 5058      Kerma elastic      50-Sn-123  
 Cross Section      -99.22 To 936.5 %



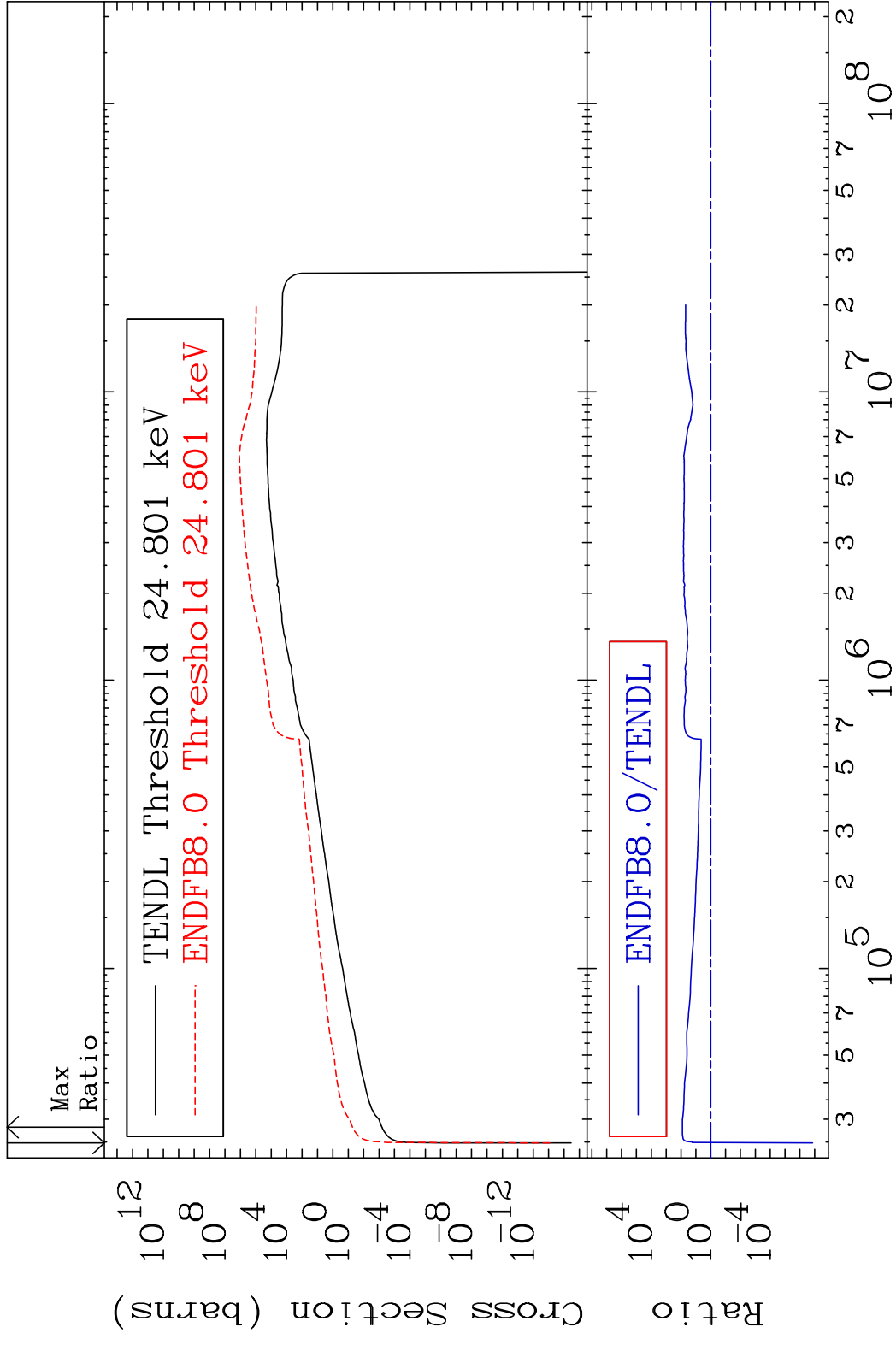
31      Incident Energy (eV)      50-Sn-123



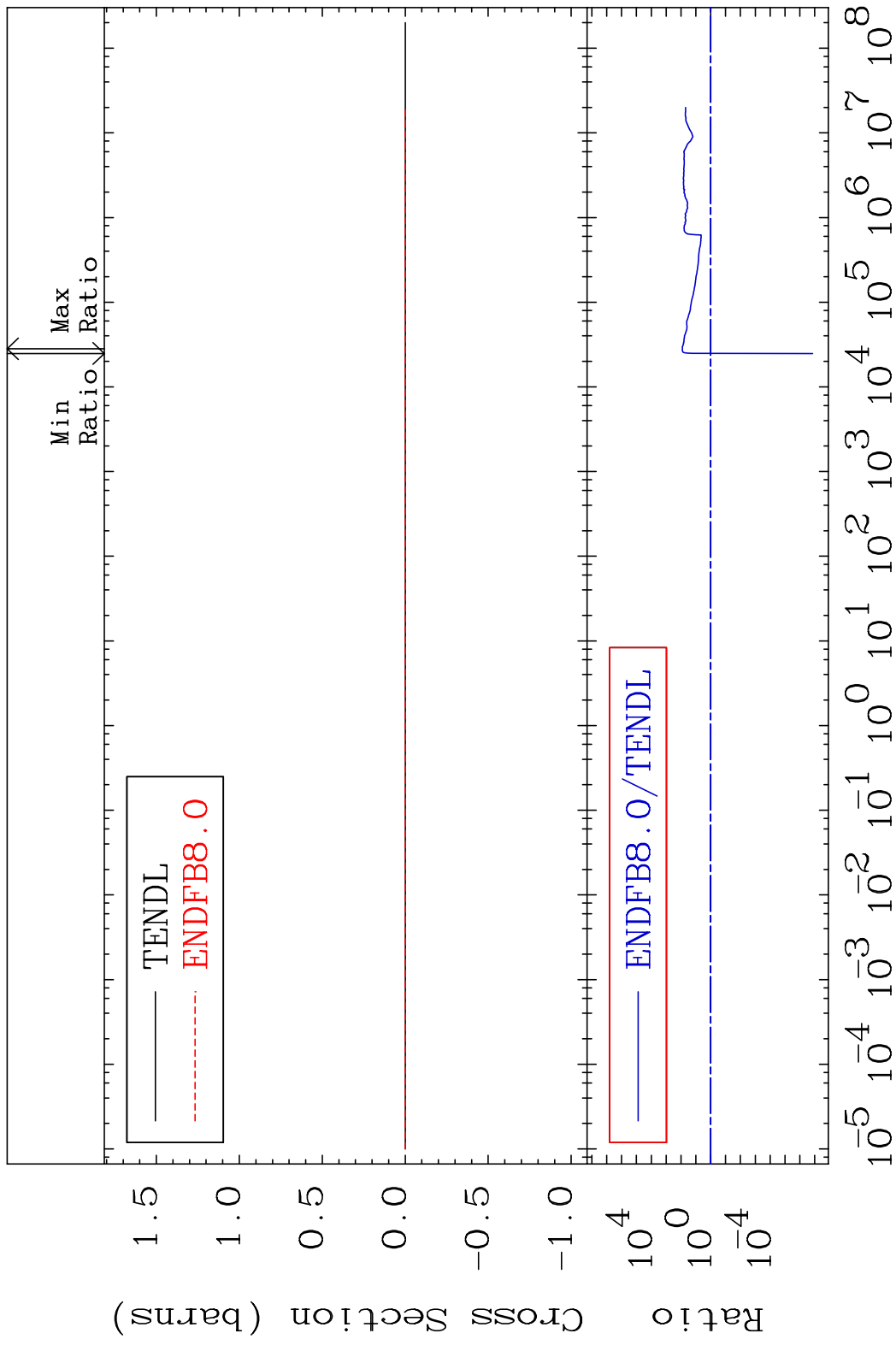
MAT 5058 Kerma non-elastic (all but mt2) 50-Sn-123  
 Cross Section 1586. To 9999. %



MAT 5058 Kerma inelastic (mt51-91) 50-Sn-123  
 Cross Section -100.0 To 8006. %

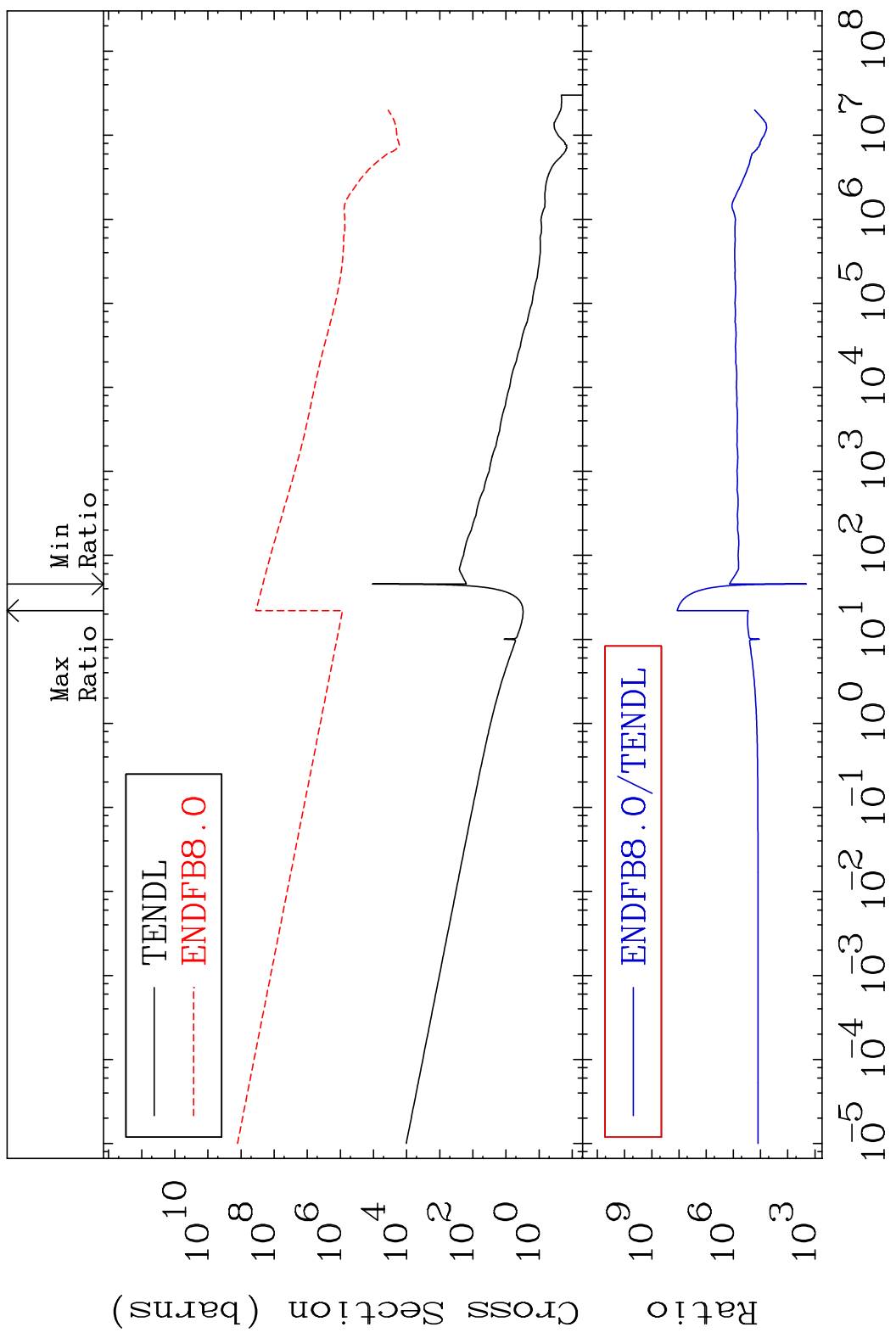


MAT 5058 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-123  
 Cross Section -100.0 To 8006. %



MAT 5058

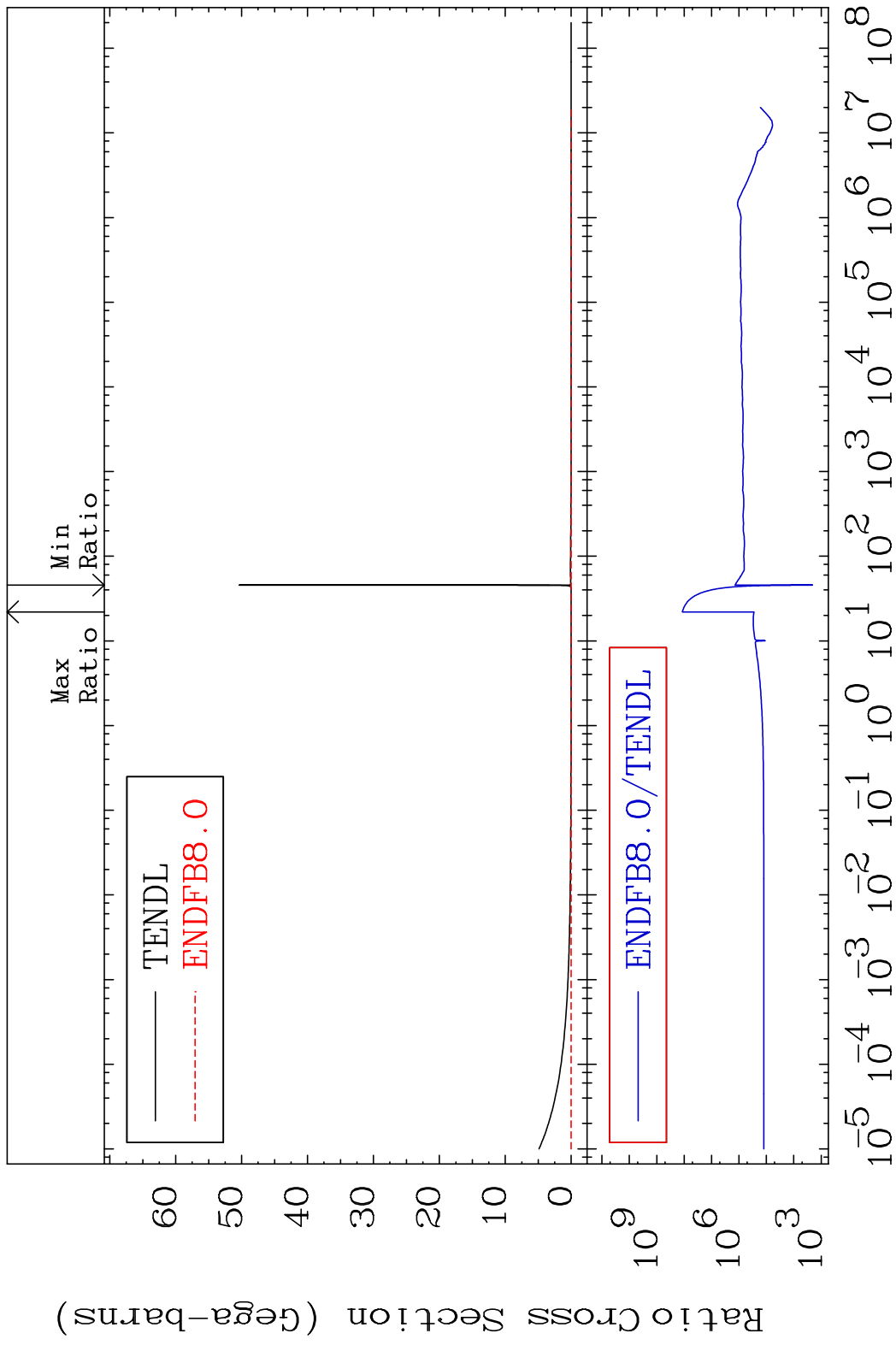
Kerma capture (mt102) 50-Sn-123  
Cross Section 9999. To 9999. %



35

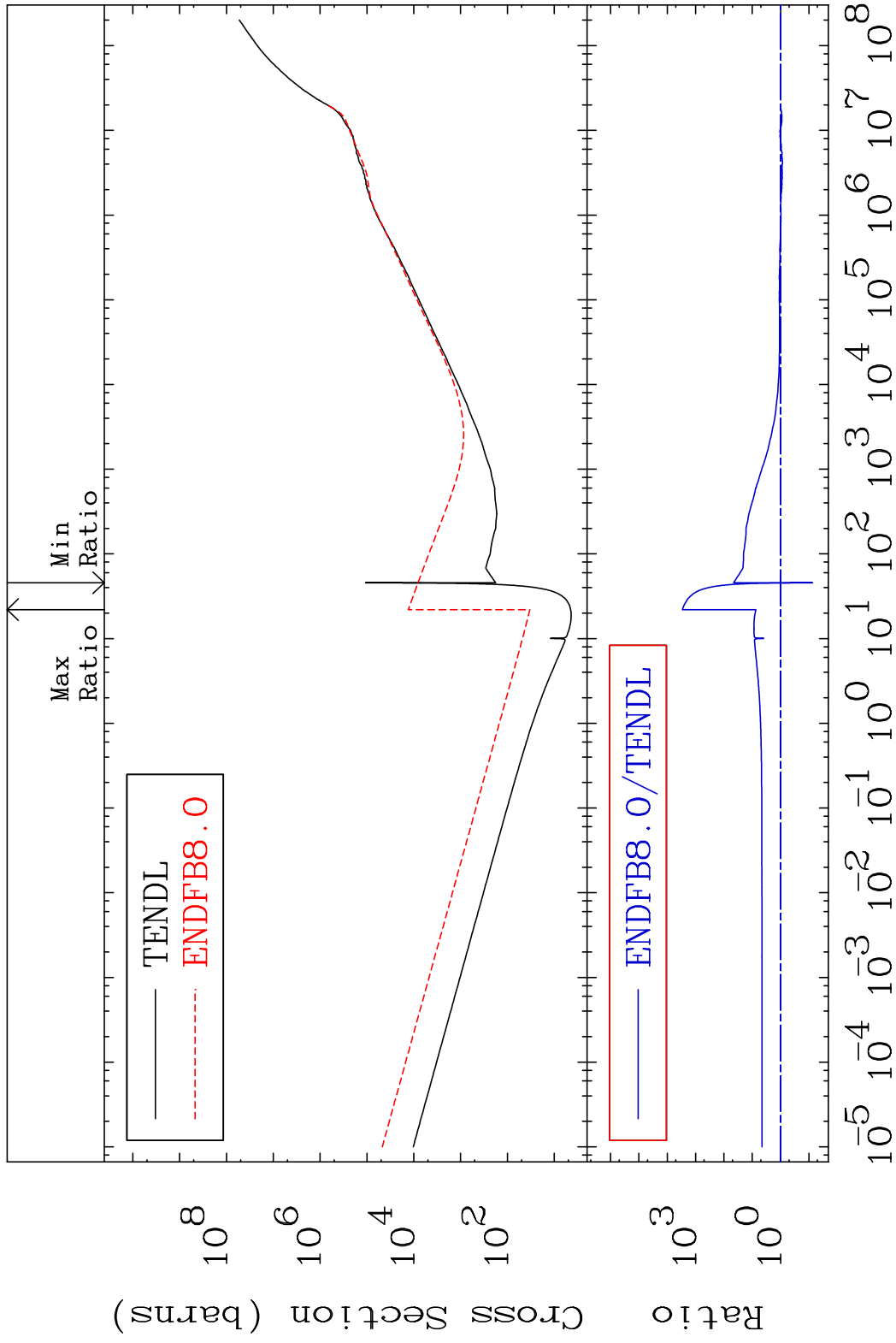
Incident Energy (eV) 50-Sn-123

MAT 5058 Total photon (eV-barns) 50-Sn-123  
 Cross Section 9999. To 9999. %



36 Incident Energy (eV) 50-Sn-123

MAT 5058 Total kinematic kerma (high limit) 50-Sn-123  
 Cross Section -92.53 To 9999. %

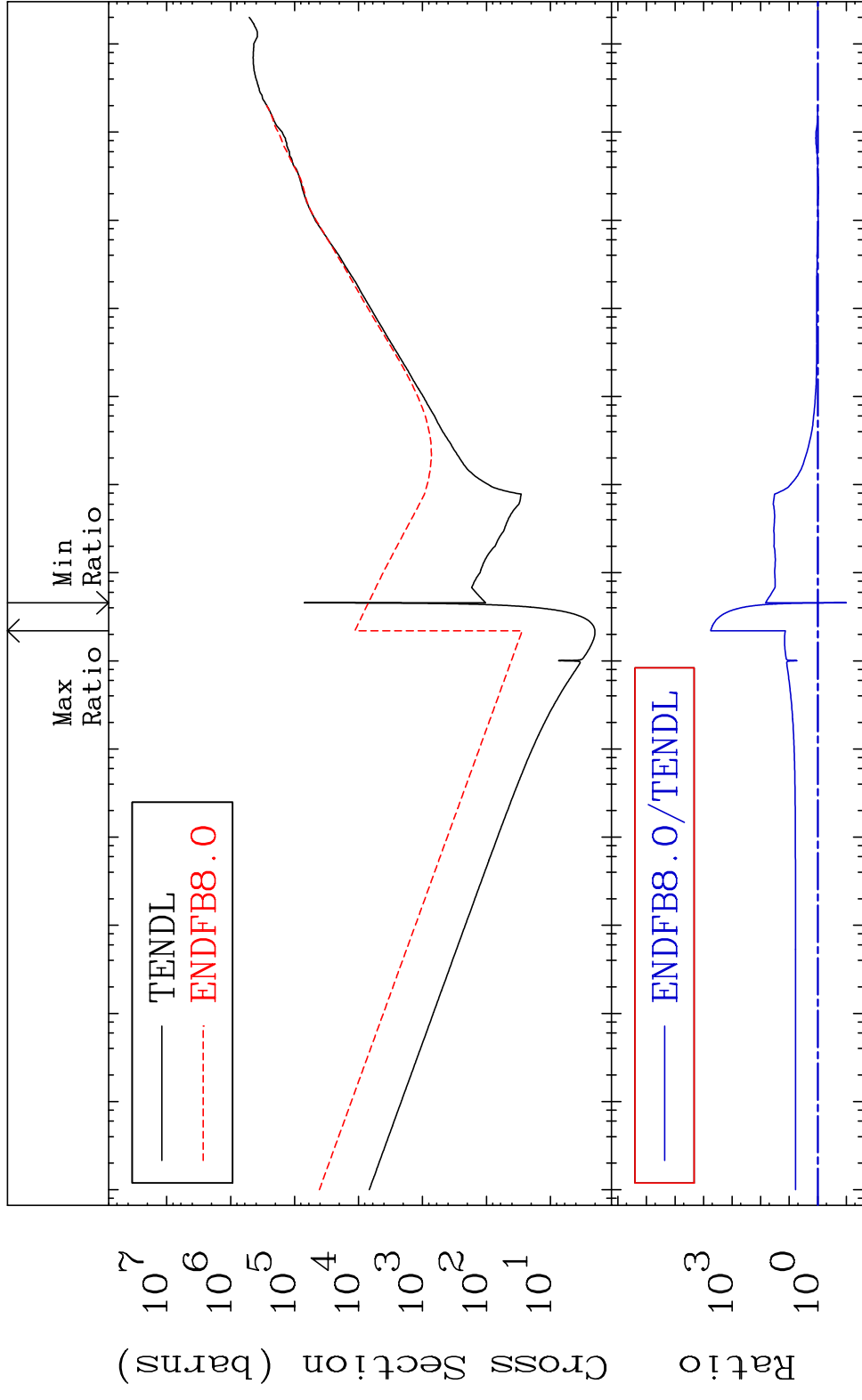


MAT 5058

Dpa total (eV-barns)

50-Sn-123

Cross Section -89.98 To 9999. %



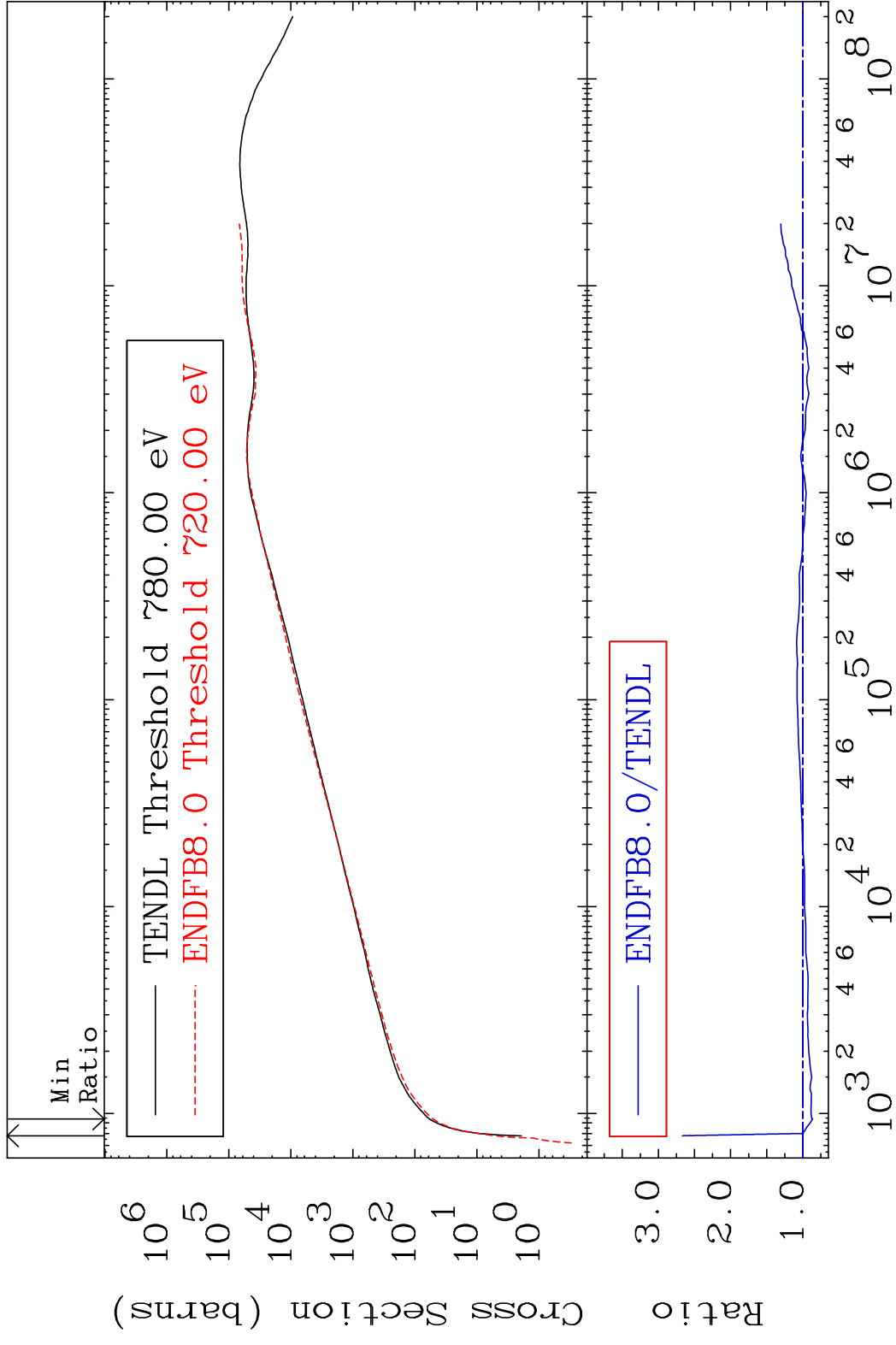
MAT 5058

Dpa elastic (mt2)

50-Sn-123

Cross Section

-13.45 To 166.8 %



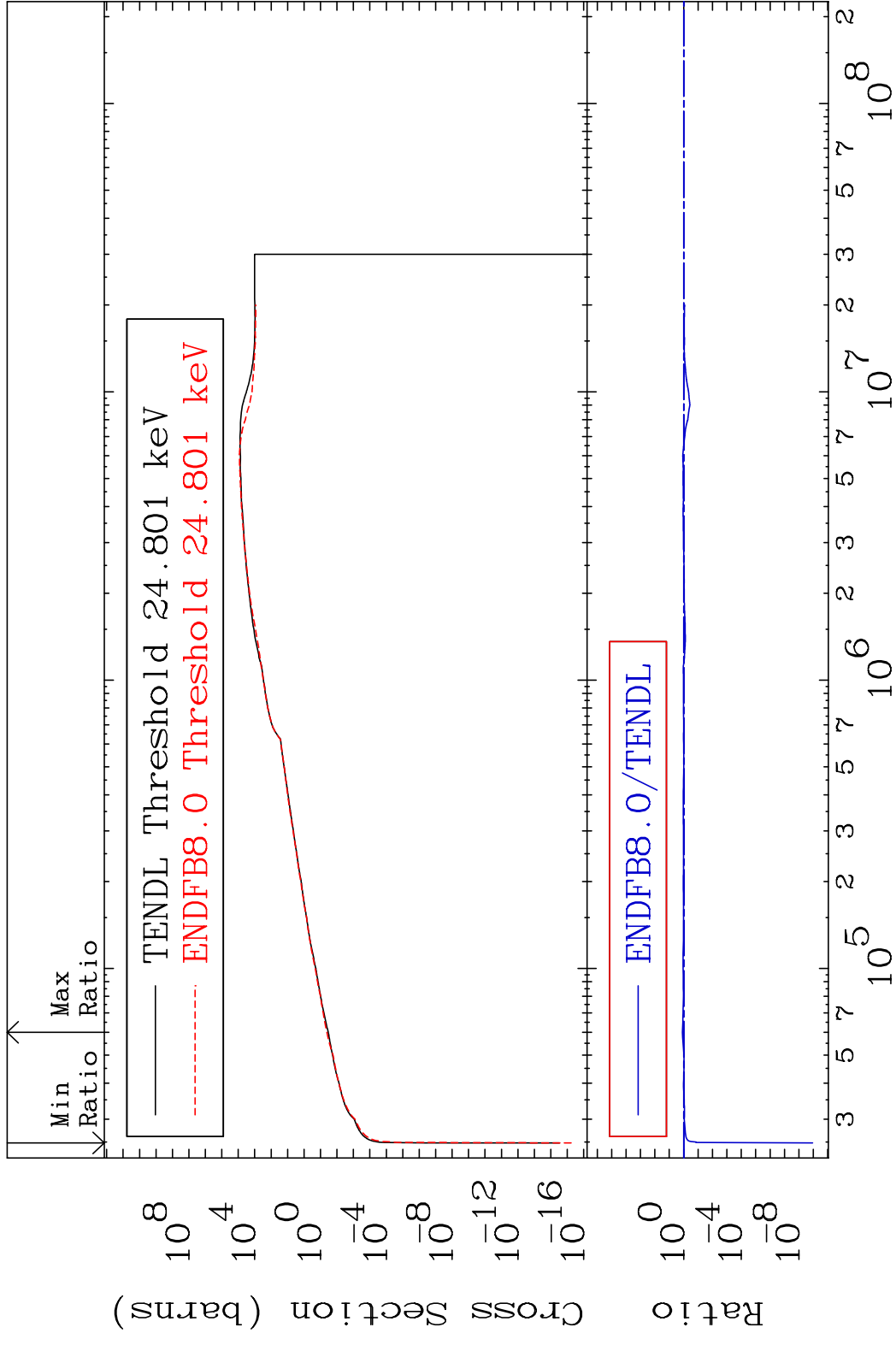
39

Incident Energy (eV)

50-Sn-123



MAT 5058 Dpa inelastic (mt51-91) 50-Sn-123  
 Cross Section -100.0 To 23.60 %



40 Incident Energy (eV) 50-Sn-123

MAT 5058 Dpa disappearance (mt102 -120) 50-Sn-123  
 Cross Section -89.98 To 9999. %

