

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

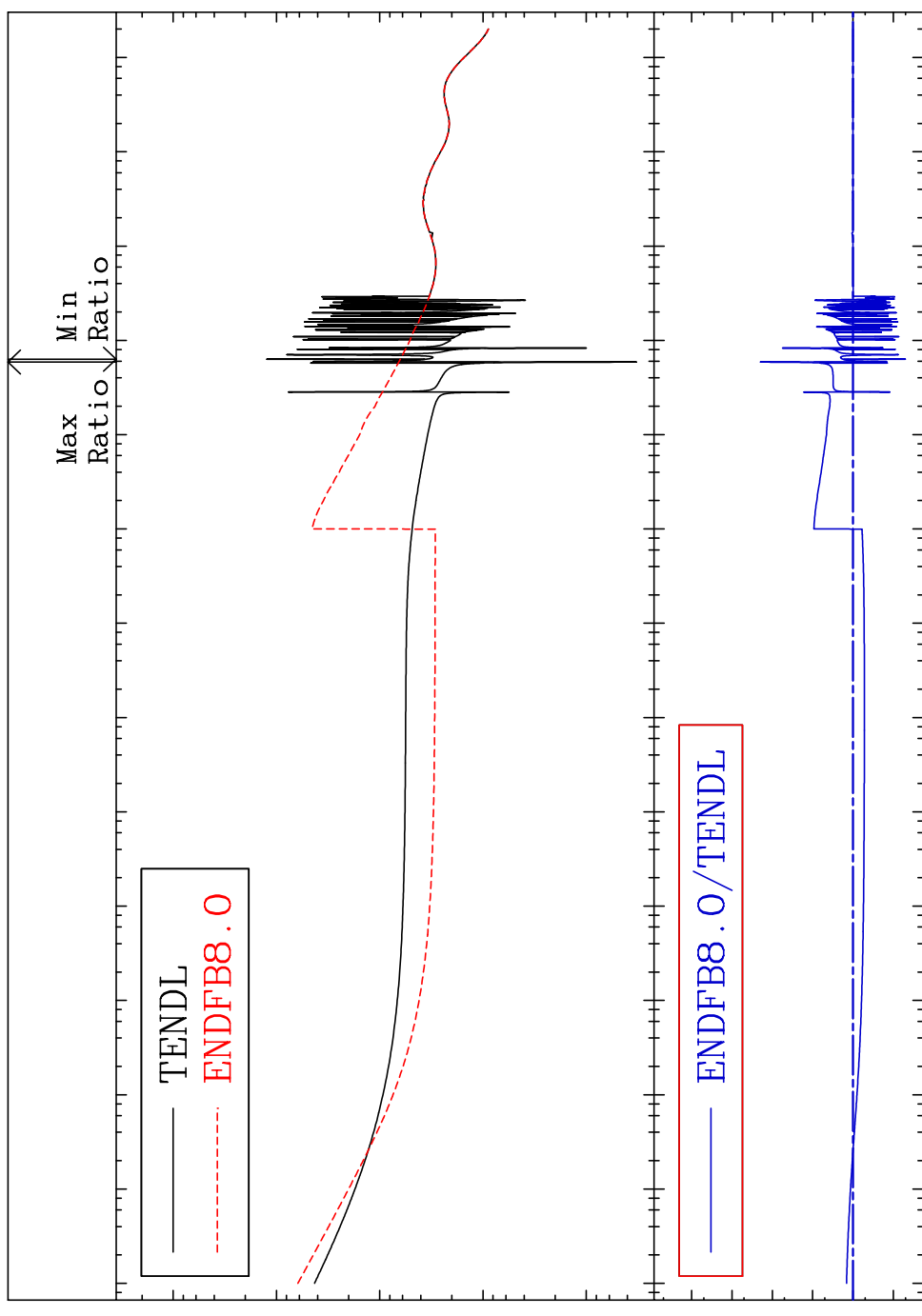
MAT 2043

Total

20-Ca-46

Cross Section

-94.91 To 9999. %



Max Ratio

Min Ratio

— TENDL  
- - - ENDFB8.0

— ENDFB8.0/TENDL

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>0</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> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

1

Incident Energy (eV)

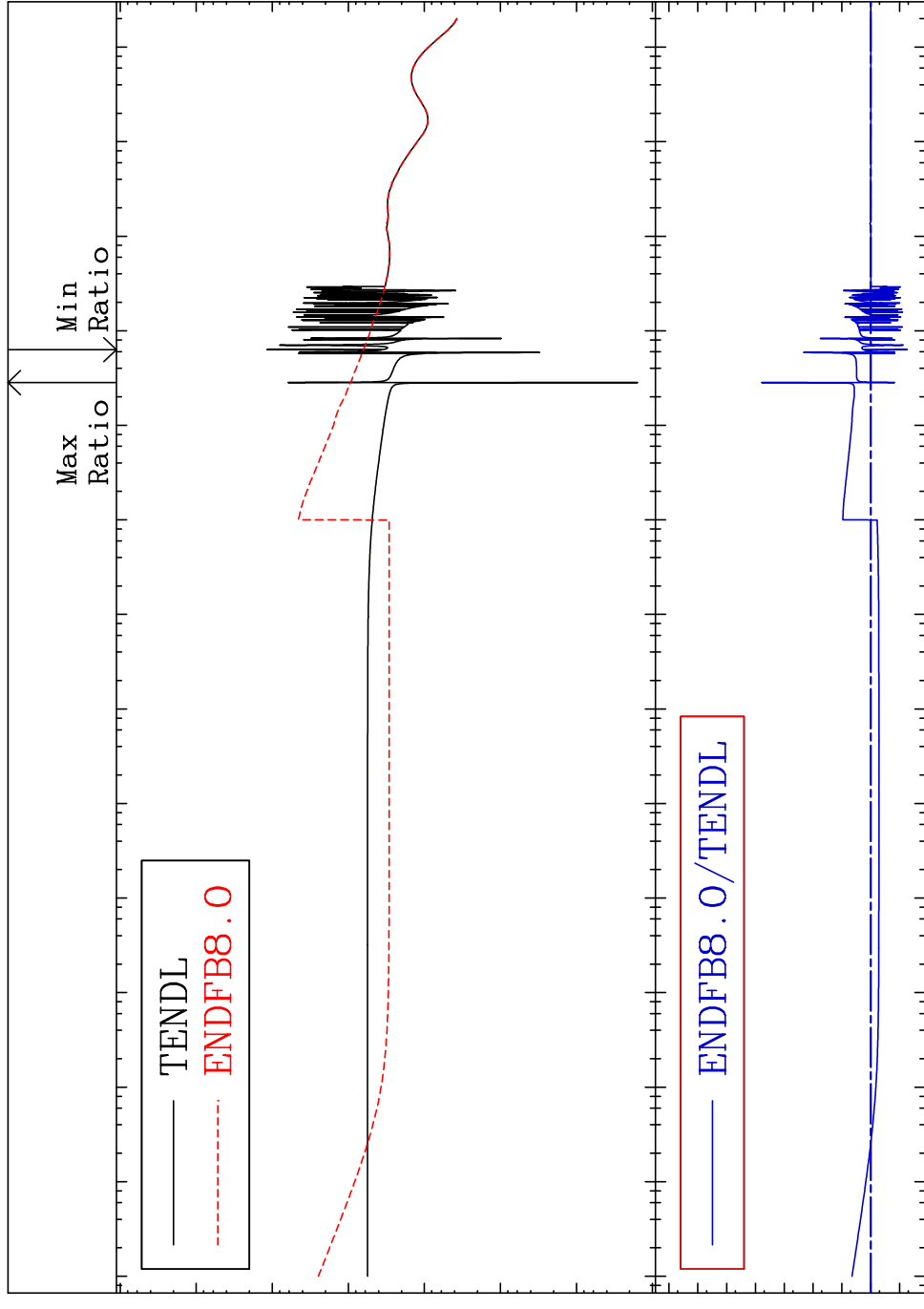
20-Ca-46

MAT 2043

Elastic

20-Ca-46

Cross Section -94.58 To 9999. %



Cross Section (barns)  
 $10^3$   
 $10^2$   
 $10^1$   
 $10^0$   
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$

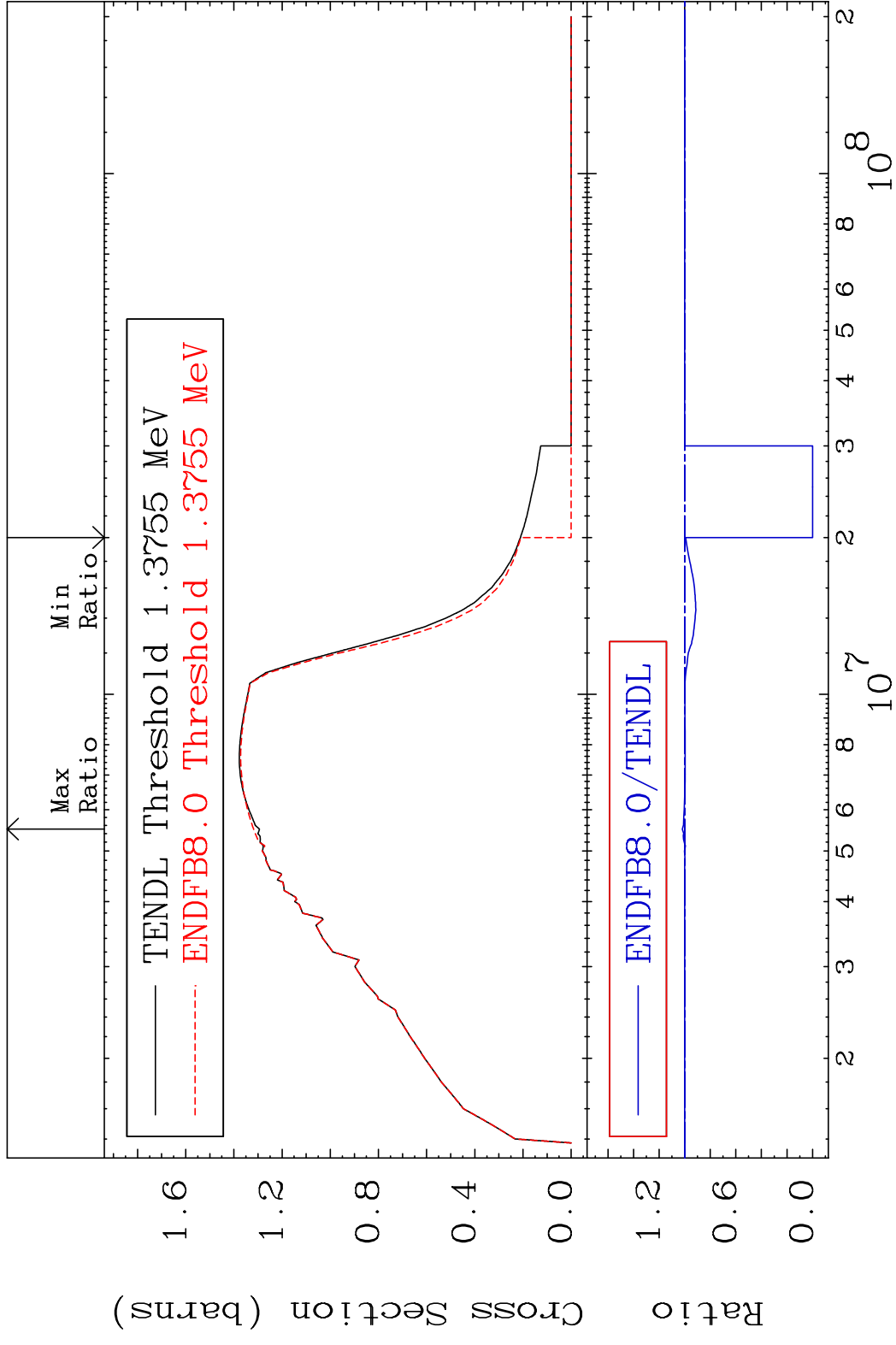
Ratio  
 $10^3$   
 $10^0$

Incident Energy (eV)  
 $10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

2

20-Ca-46

MAT 2043 Inelastic Cross Section -100.0 To 1.819 % 20-Ca-46



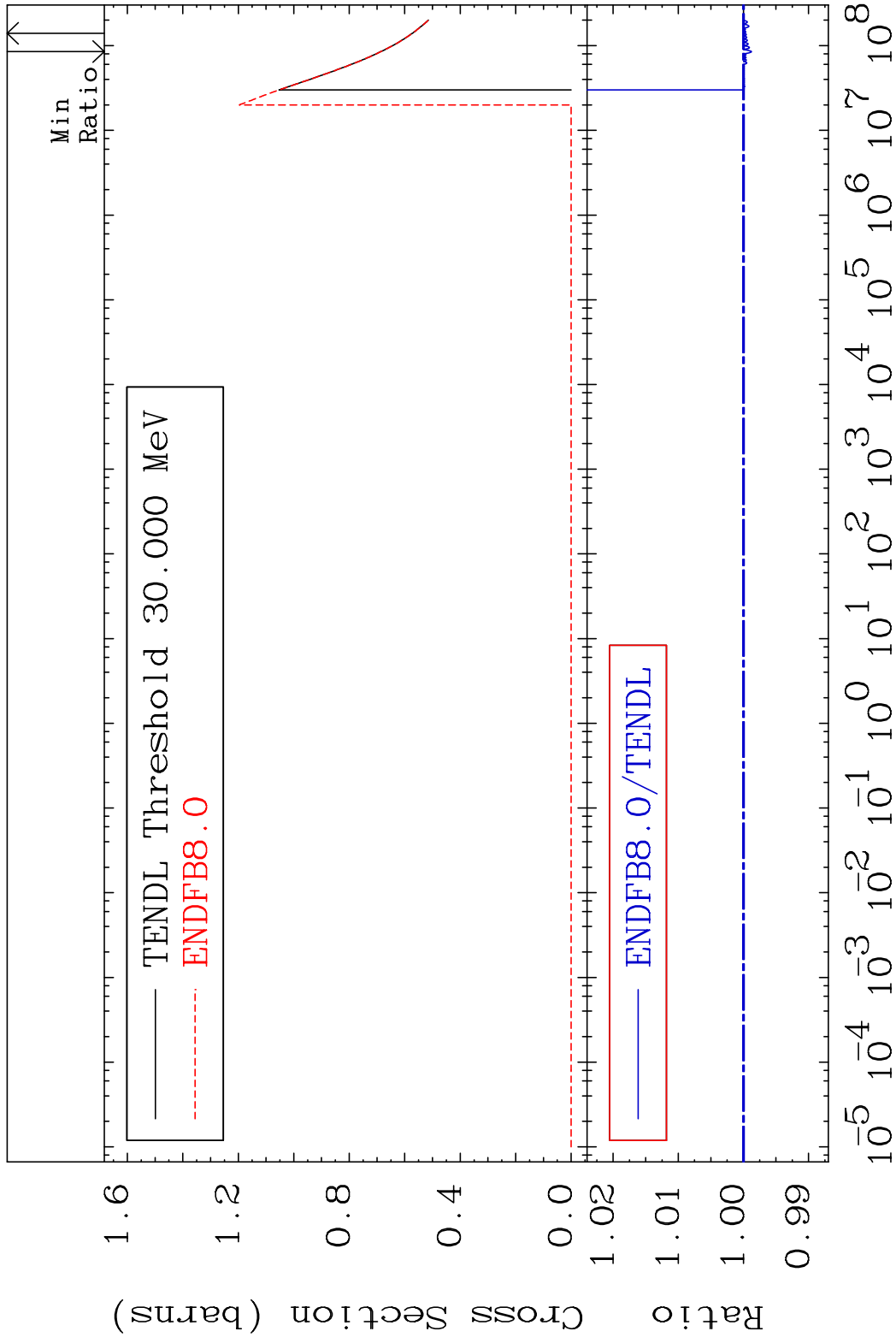
3 Incident Energy (eV) 20-Ca-46

MAT 2043

(n, remainder)

20-Ca-46

Cross Section -0.124 To 0.000 %

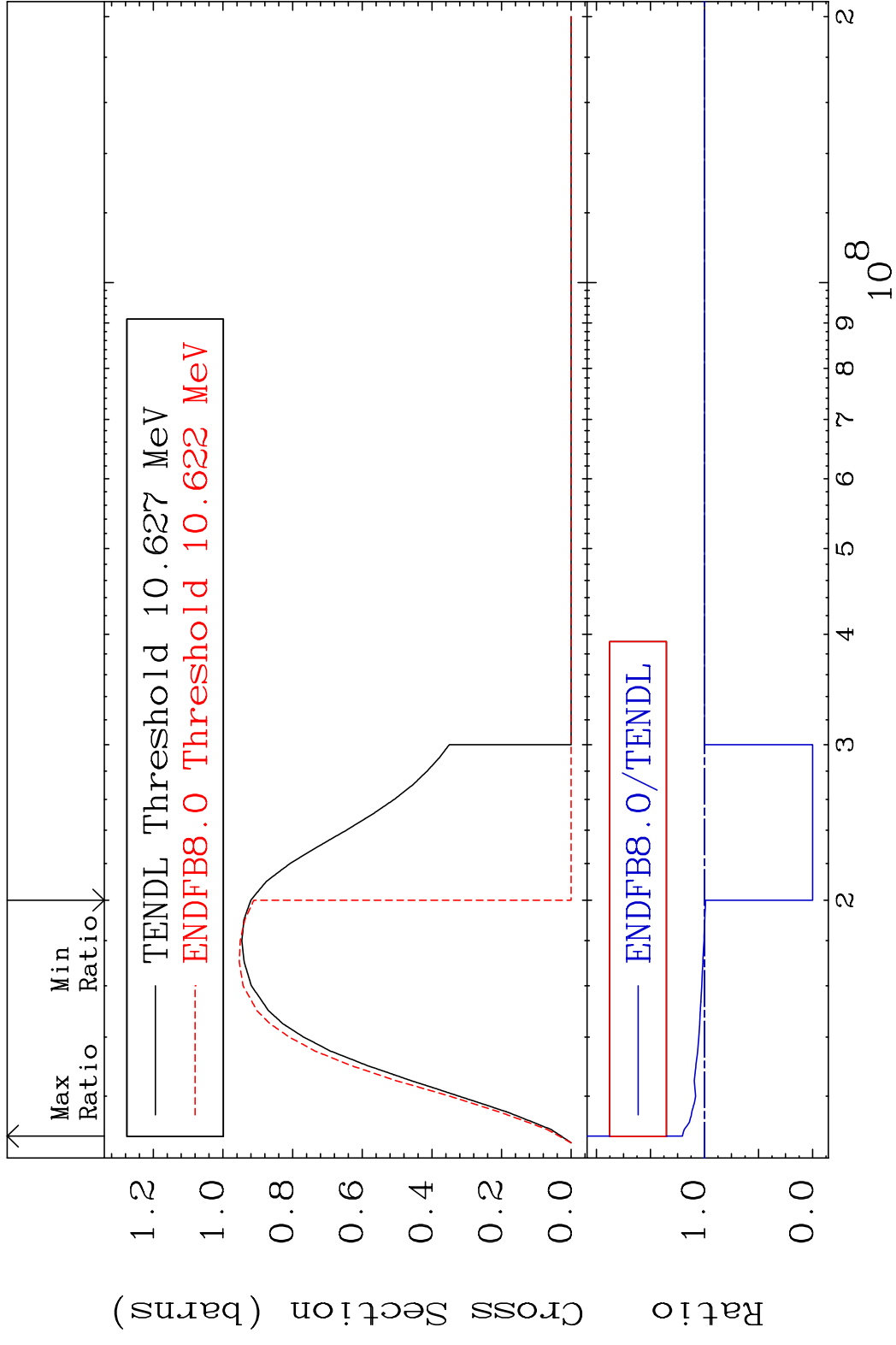


4

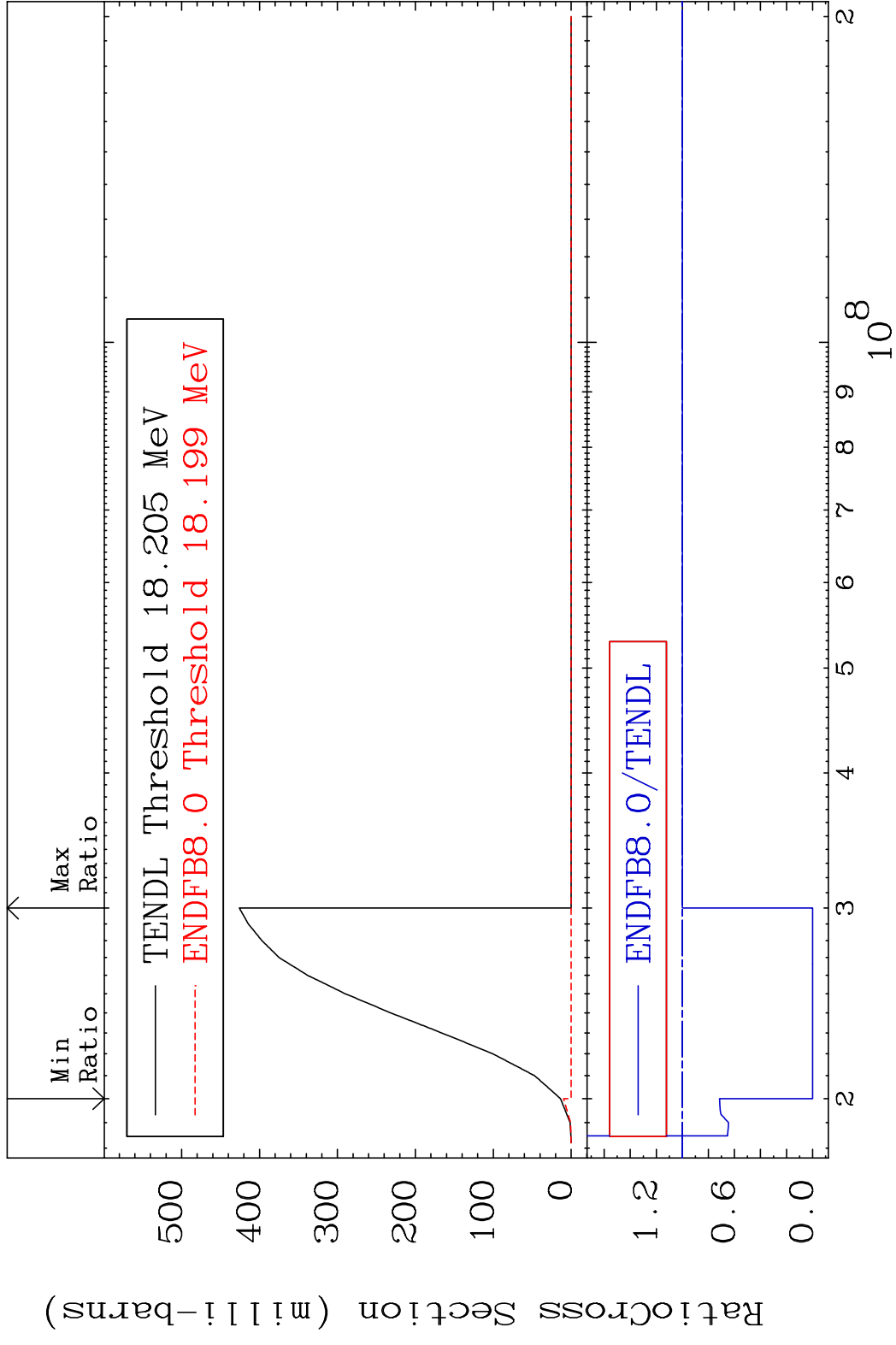
Incident Energy (eV)

20-Ca-46

MAT 2043 (n,2n) 20-Ca-46  
 Cross Section -100.0 To 20.50 %

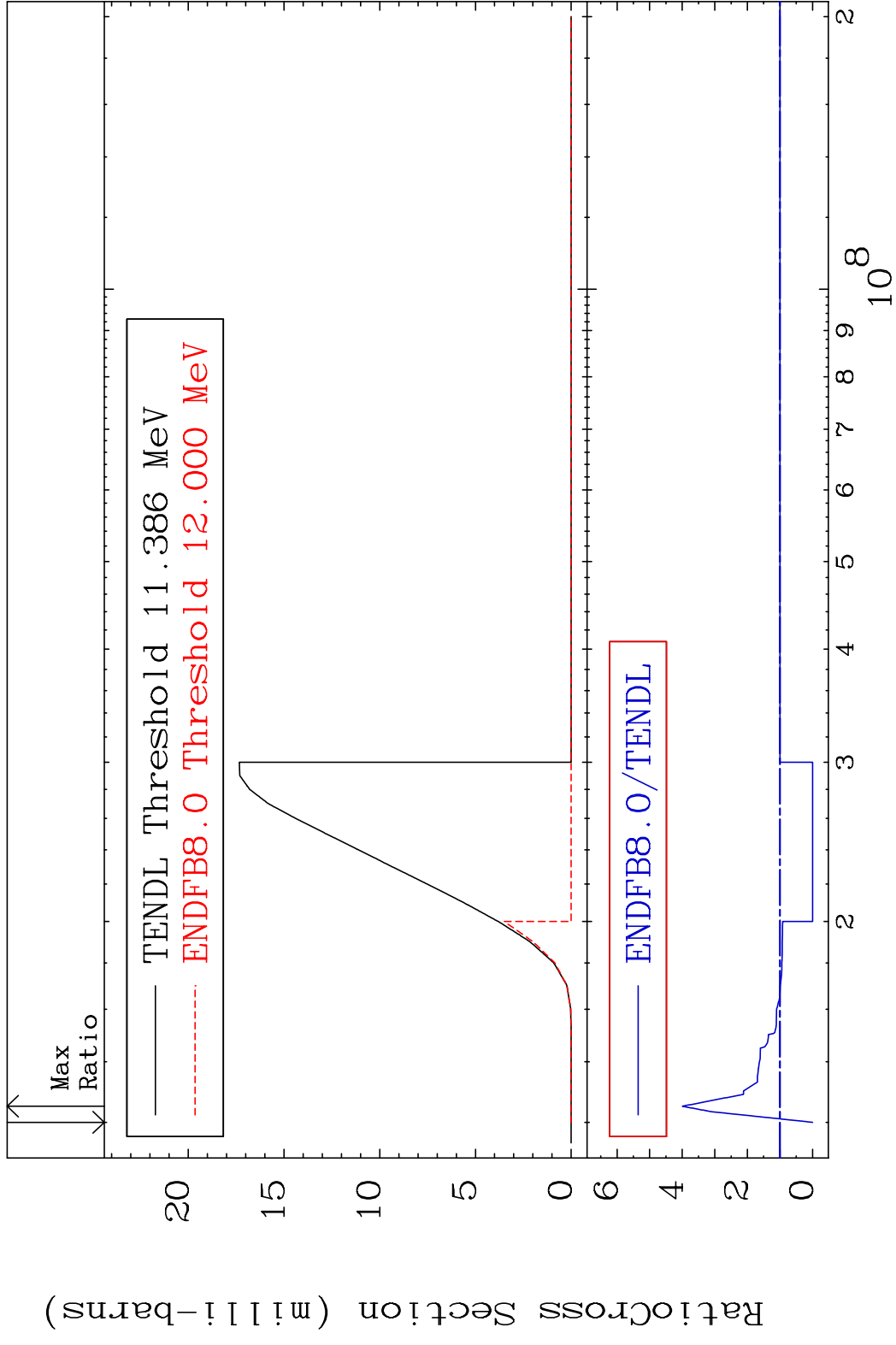


MAT 2043 (n,3n) 20-Ca-46  
 Cross Section -100.0 To 0.000 %



6 Incident Energy (eV) 20-Ca-46

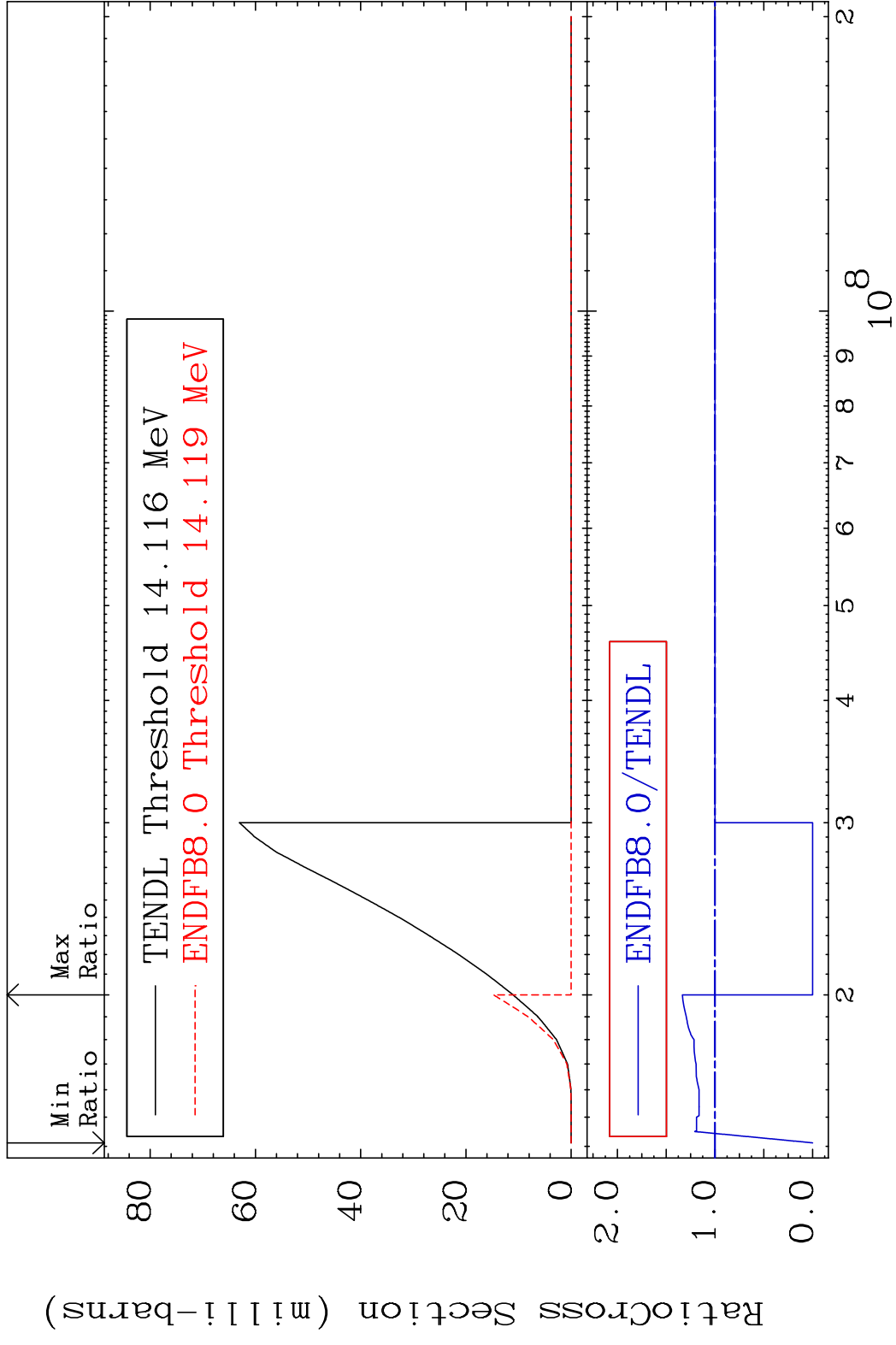
MAT 2043 (n, n')  $\alpha$  20-Ca-46  
 Cross Section -100.0 To 299.6 %



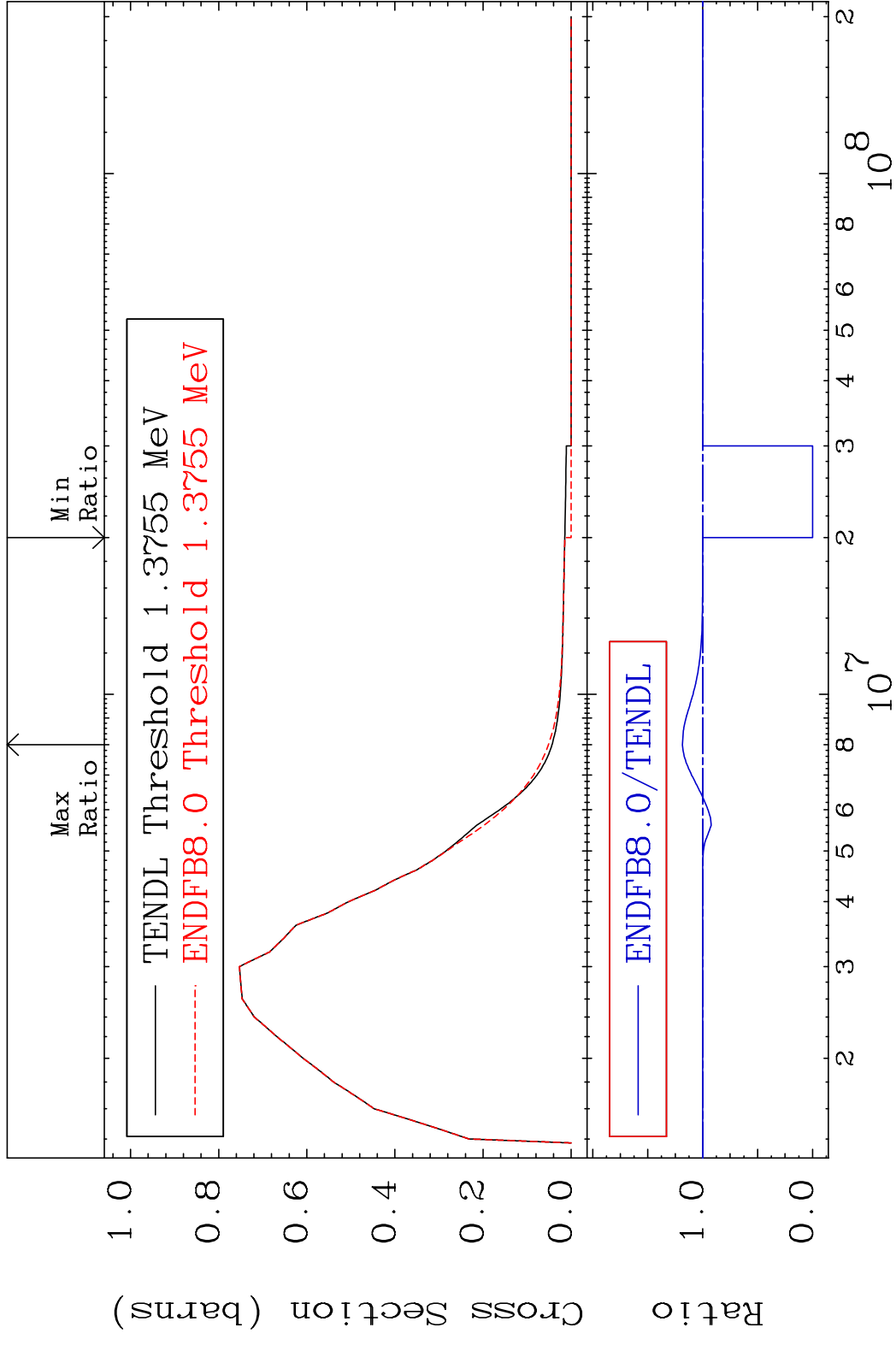
7 Incident Energy (eV) 20-Ca-46



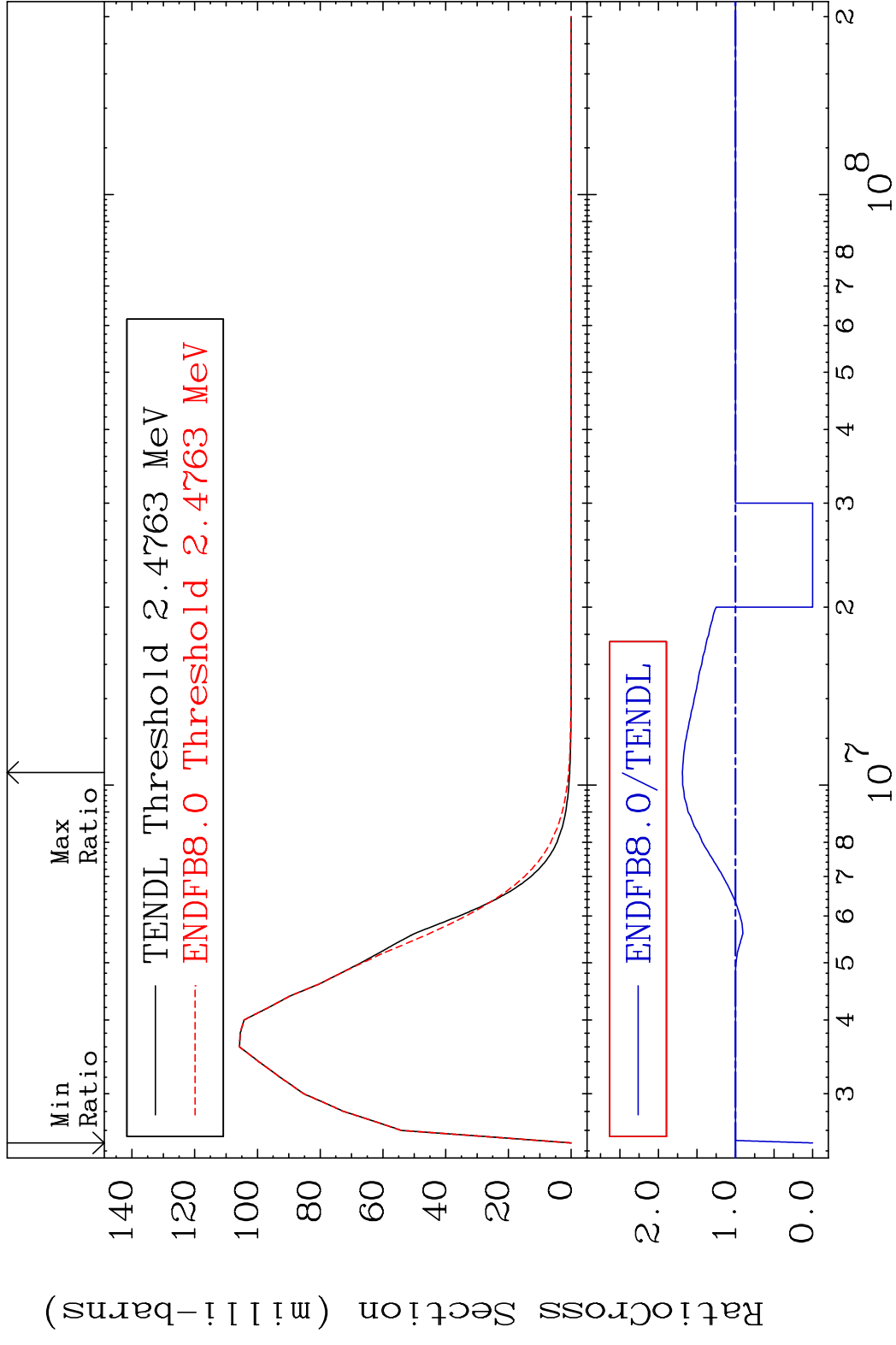
MAT 2043 (n, n') p 20-Ca-46  
 Cross Section -100.0 To 33.43 %



MAT 2043 MT= 51 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 18.51 %

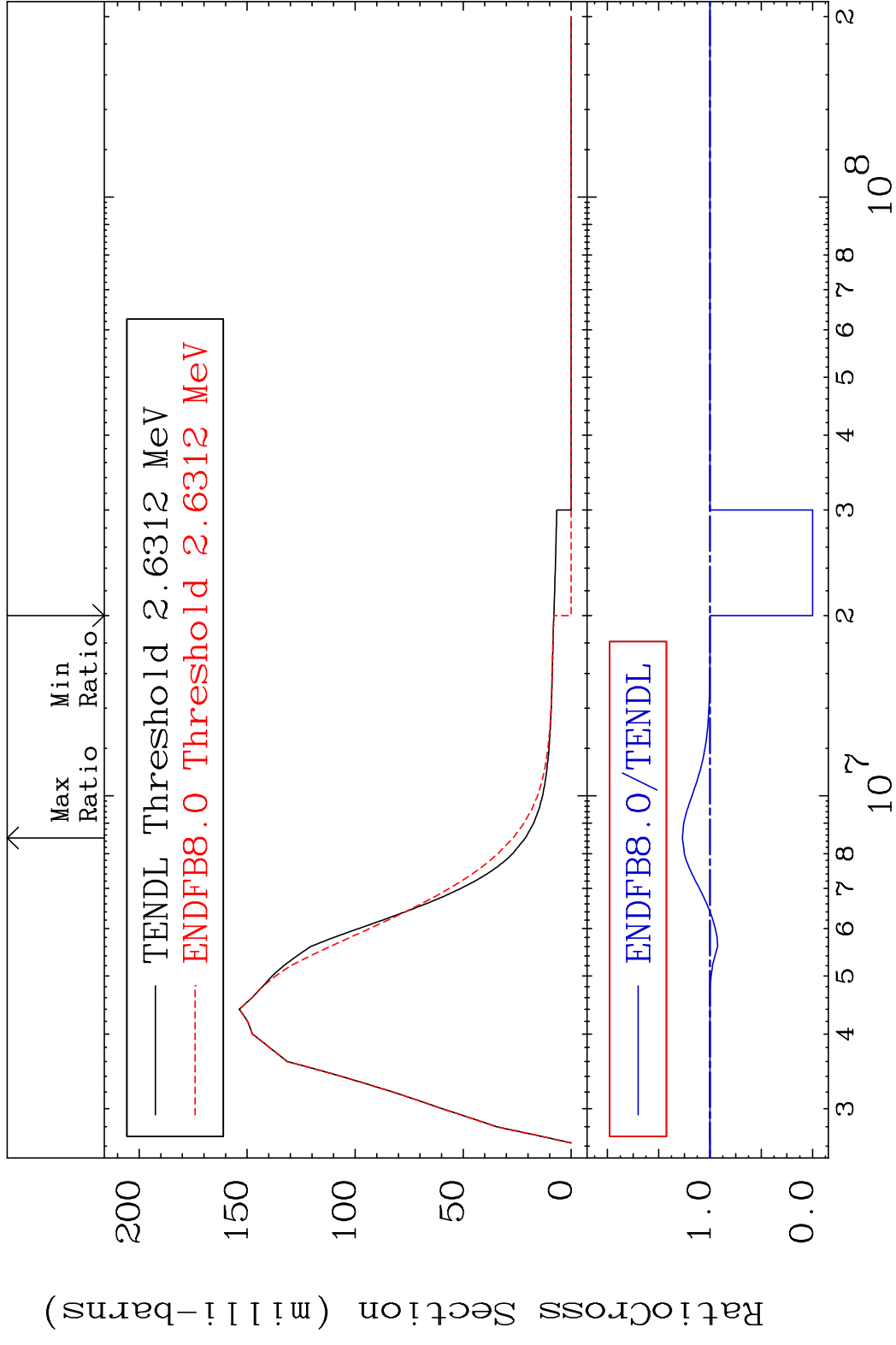


MAT 2043 MT= 52 (n,n') Level 20-Ca-46  
 Cross Section -100.0 To 68.92 %

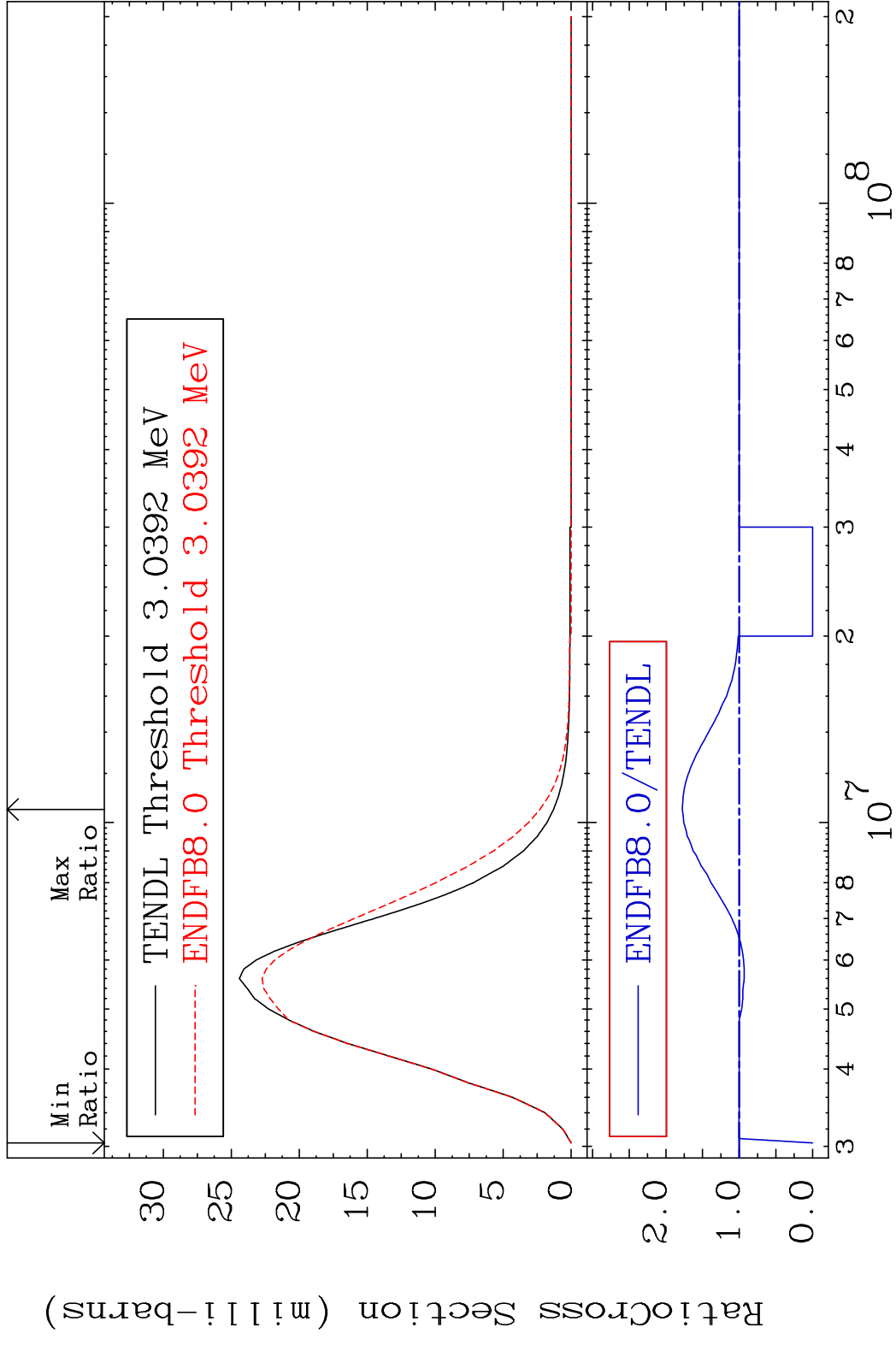


10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 20-Ca-46

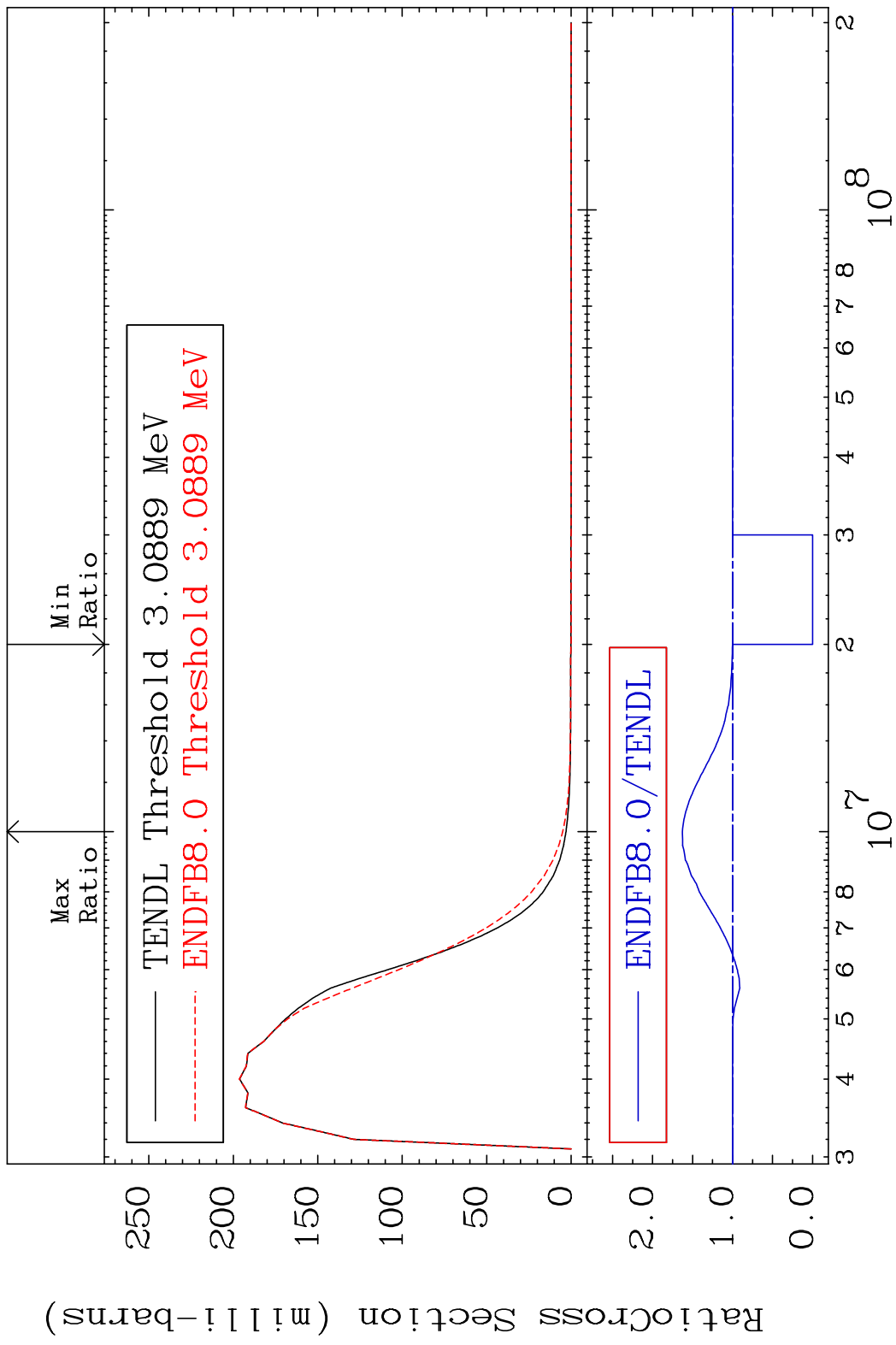
MAT 2043 MT= 53 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 26.96 %



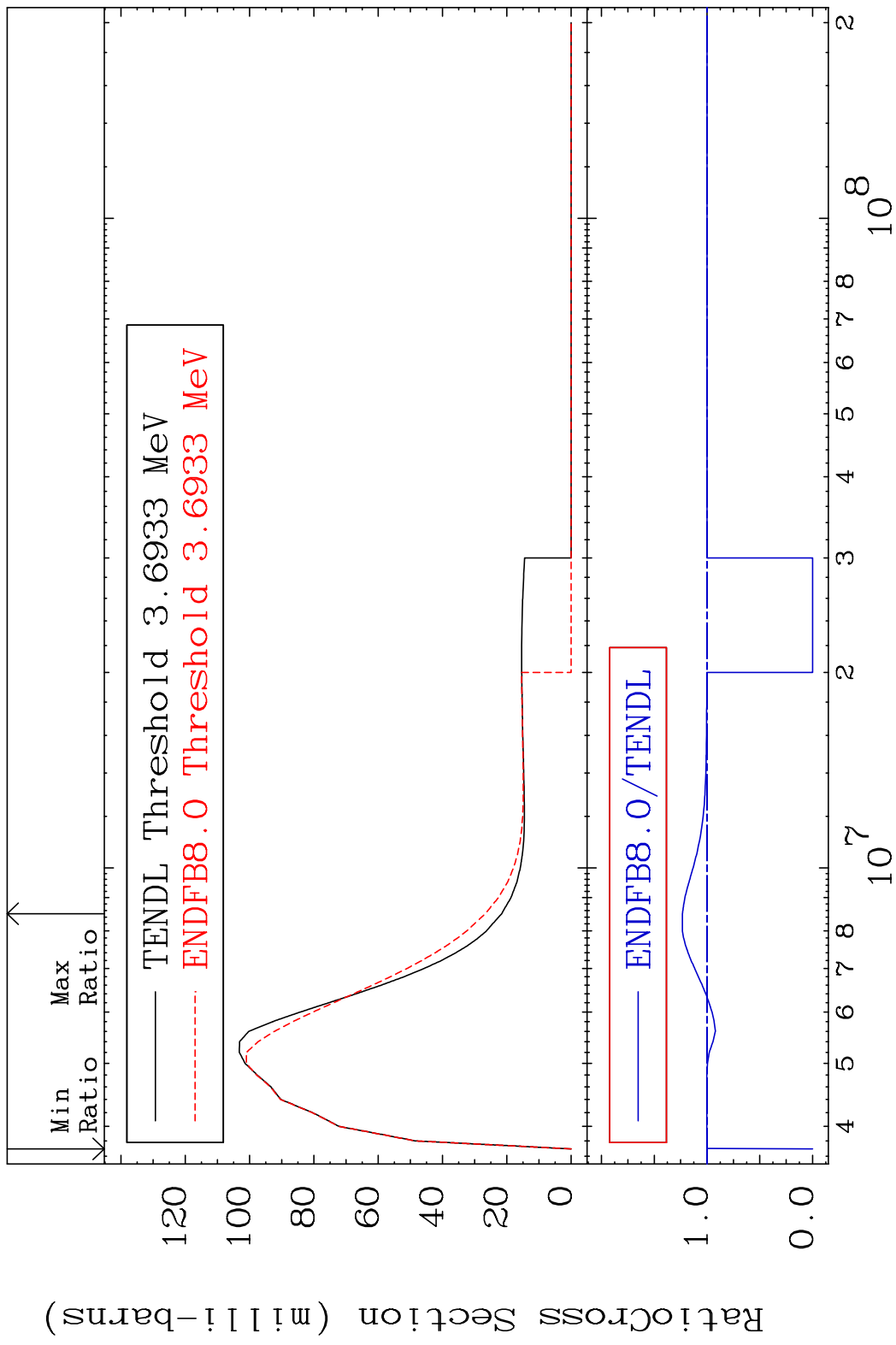
MAT 2043 MT= 54 (n,n') Level 20-Ca-46  
 Cross Section -100.0 To 77.54 %



MAT 2043 MT= 55 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 62.77 %

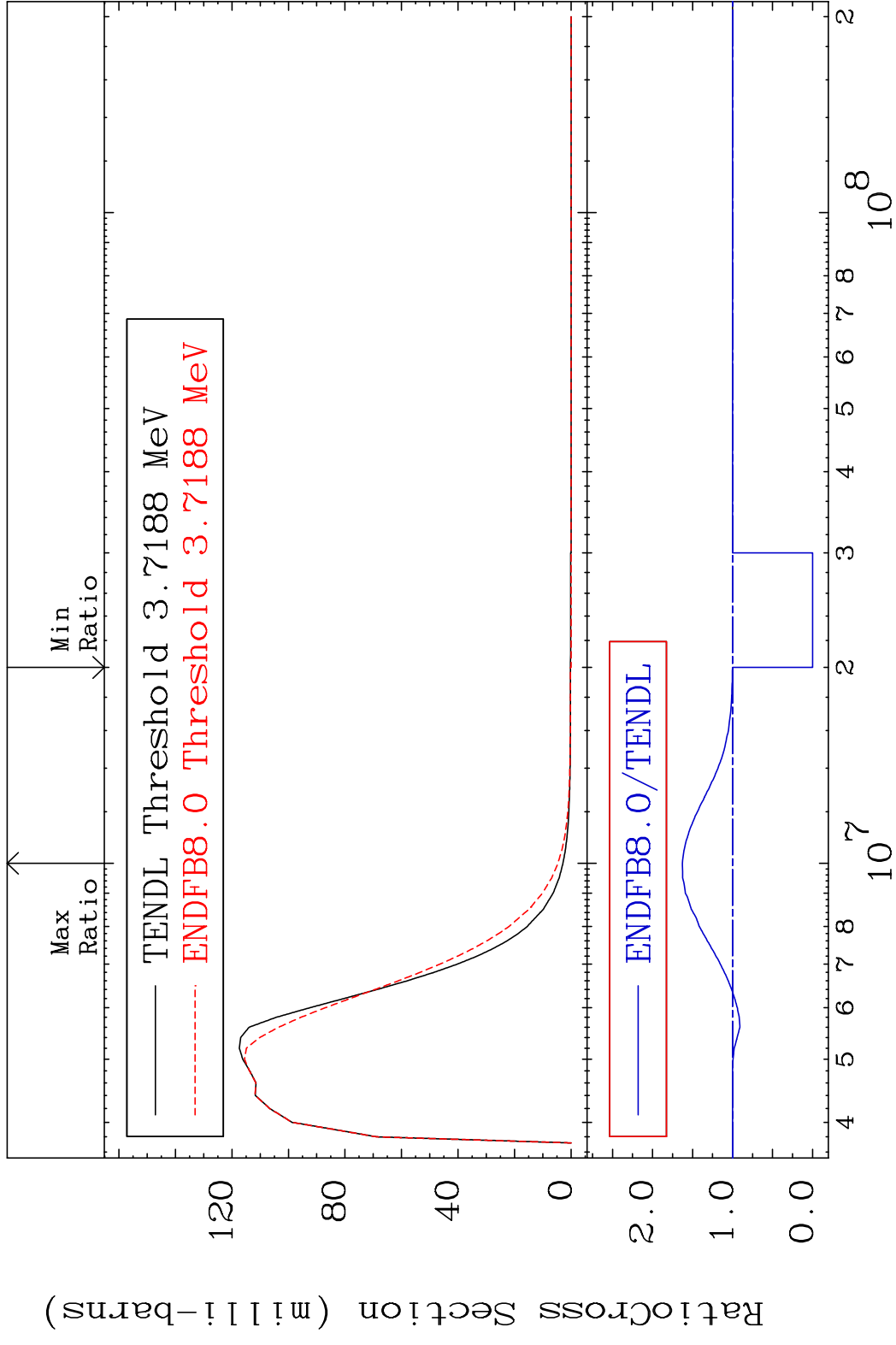


MAT 2043 MT= 56 (n,n') Level 20-Ca-46  
 Cross Section -100.0 To 23.36 %



14 Incident Energy (eV) 20-Ca-46

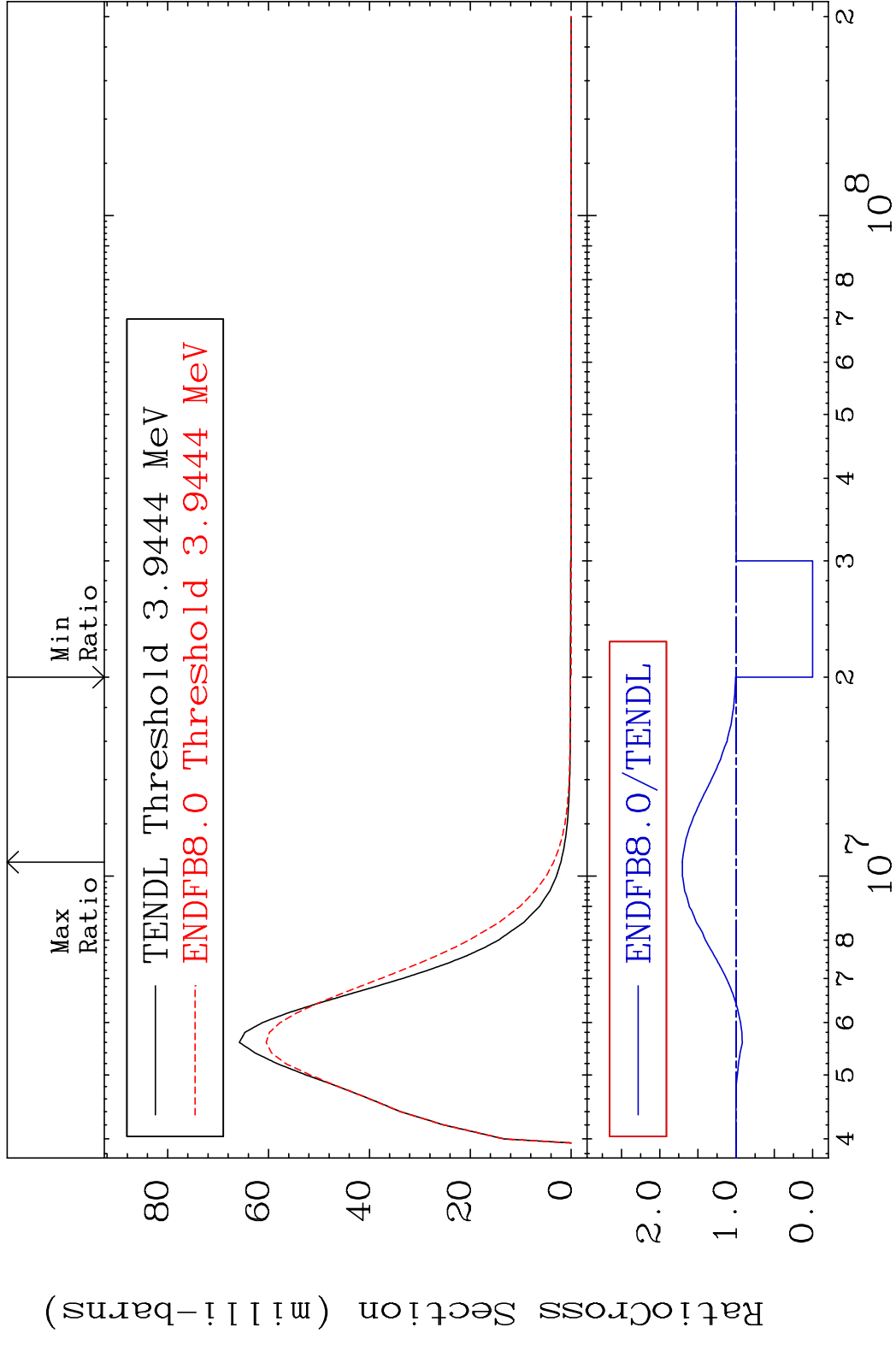
MAT 2043 MT= 57 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 62.73 %



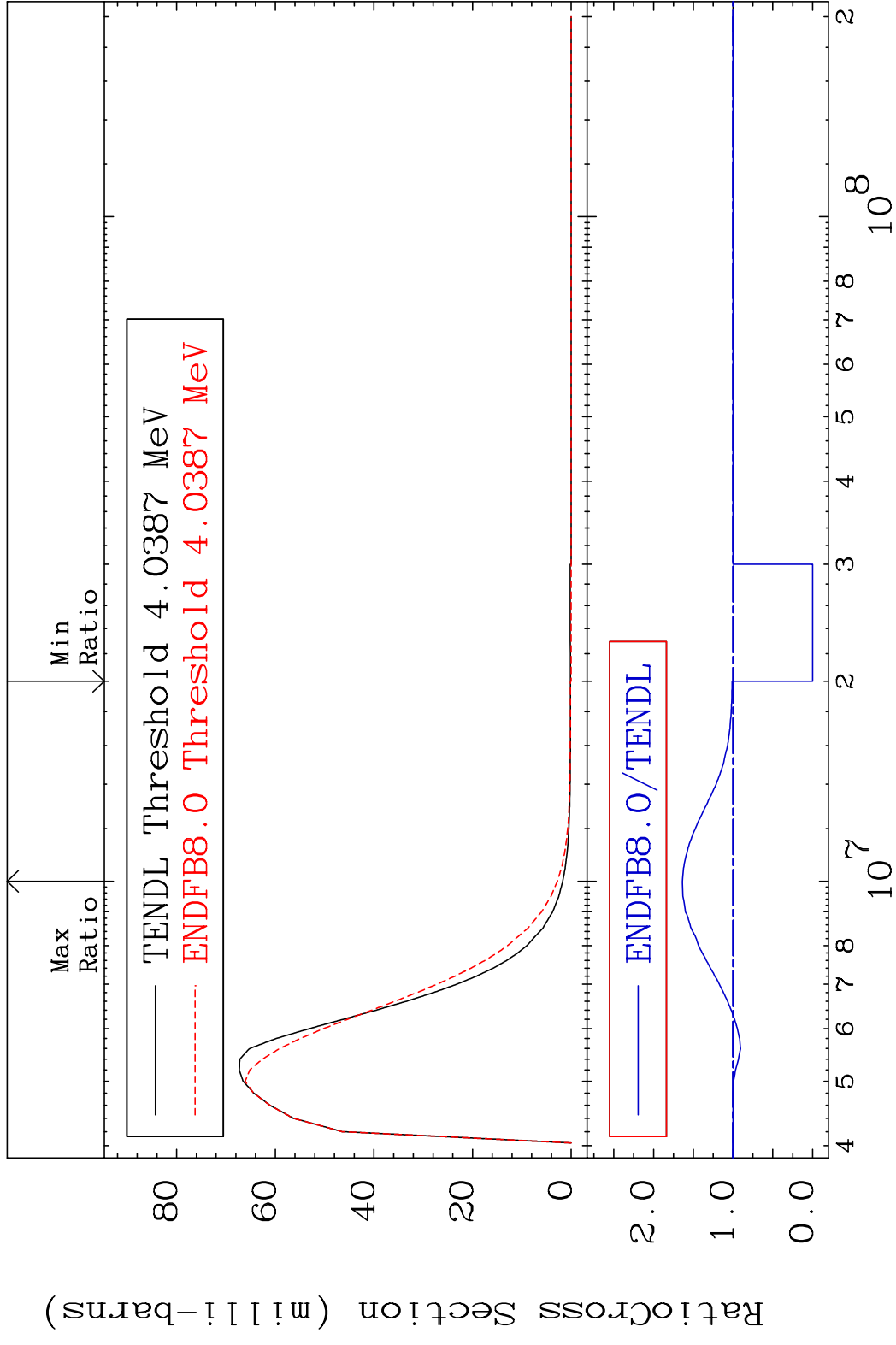
15 Incident Energy (eV) 20-Ca-46



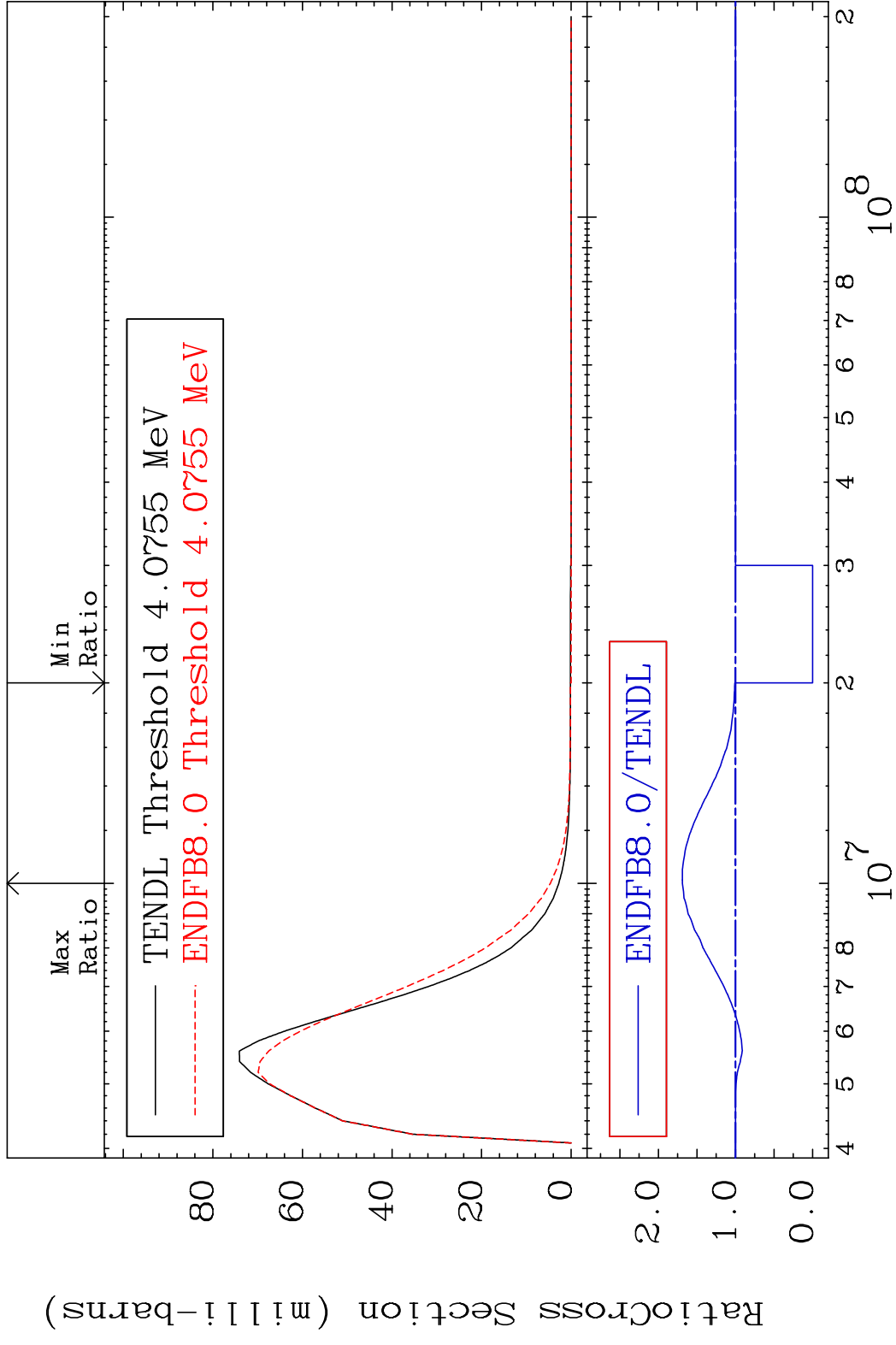
MAT 2043 MT= 58 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 70.39 %



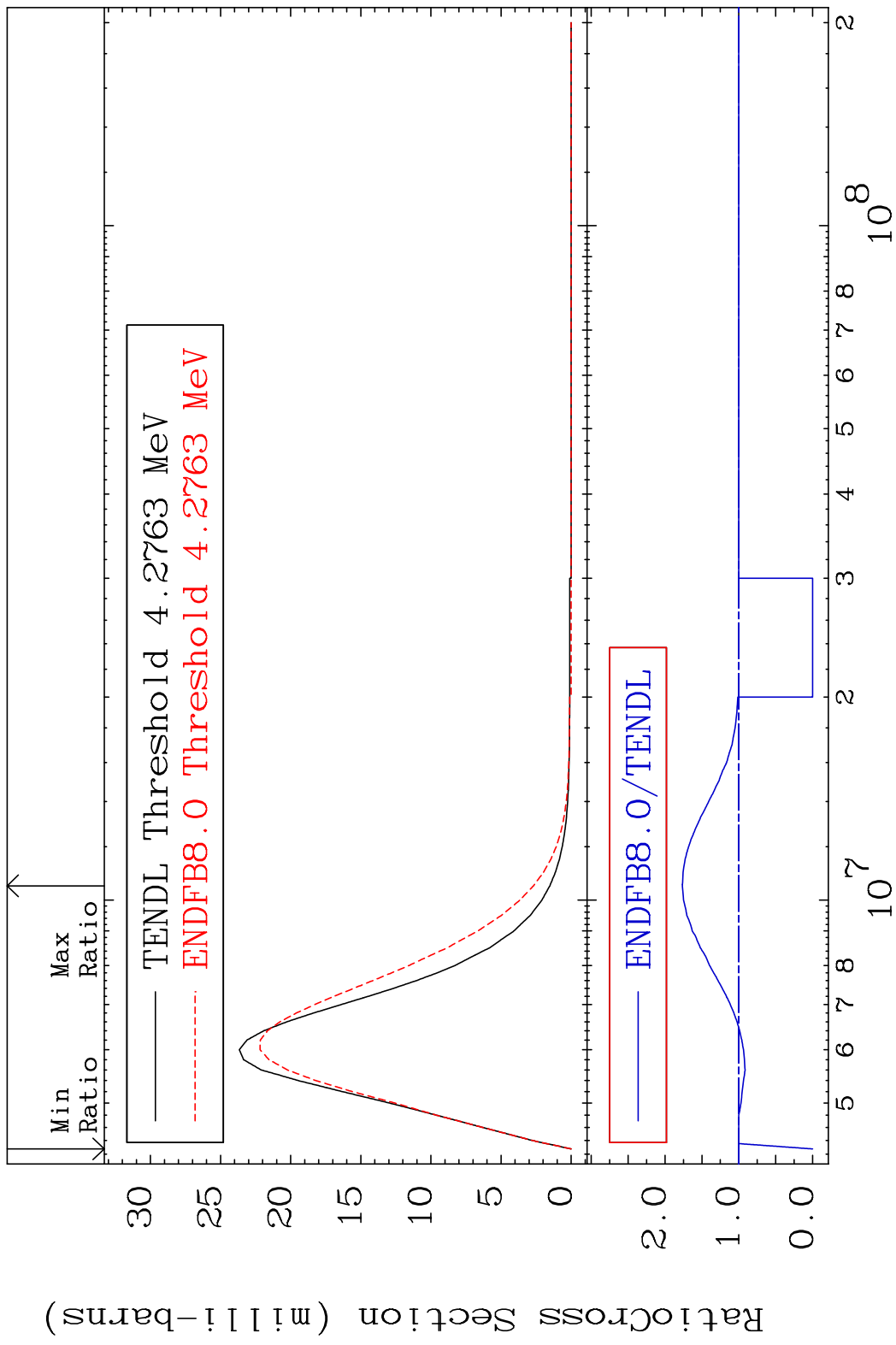
MAT 2043 MT= 59 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 63.76 %



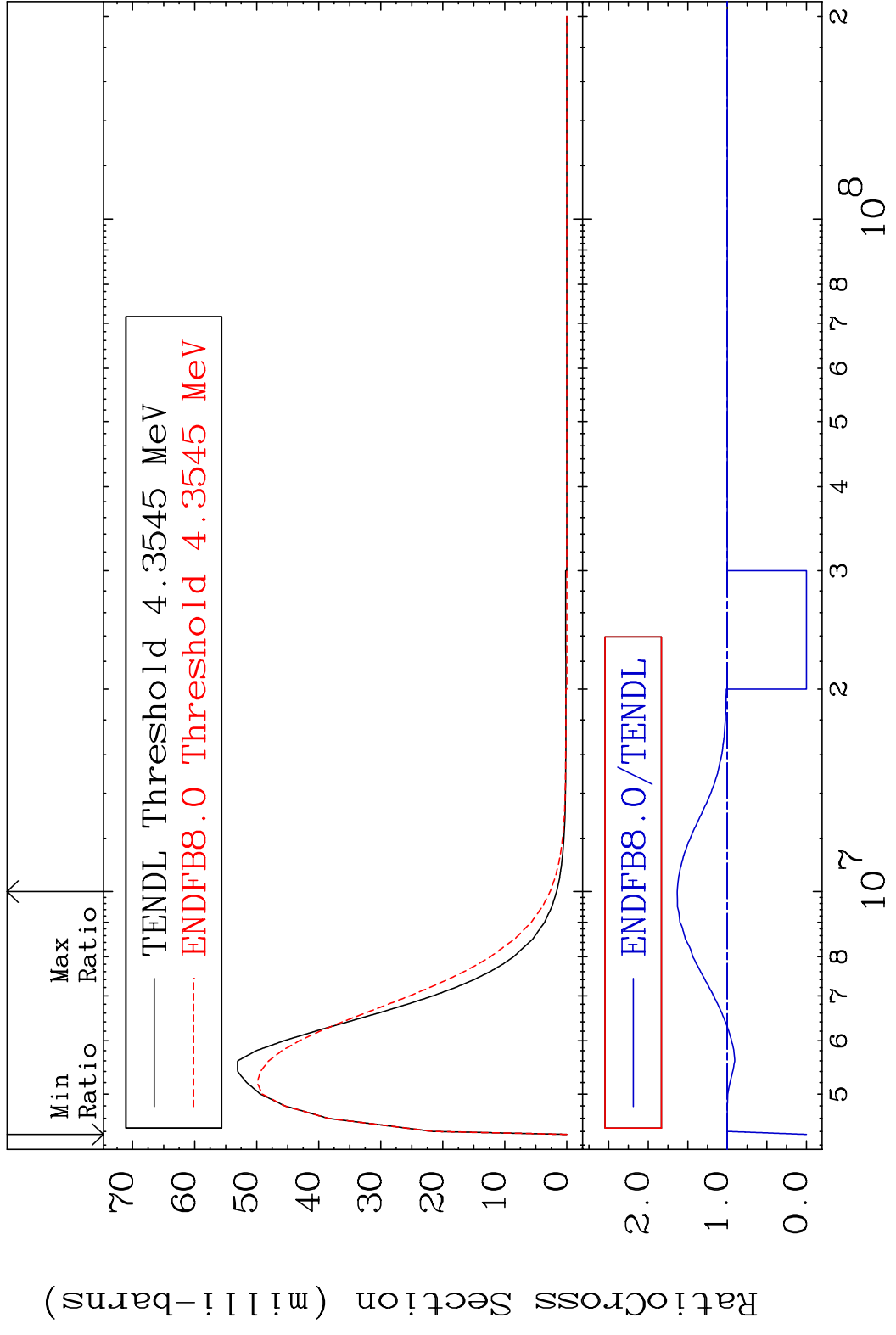
MAT 2043 MT= 60 (n,n') Level 20-Ca-46  
 Cross Section -100.0 To 68.93 %



MAT 2043 MT= 61 (n,n') Level 20-Ca-46  
 Cross Section -100.0 To 76.50 %



MAT 2043 MT= 62 (n,n') Level 20-Ca-46  
 Cross Section -100.0 To 63.37 %

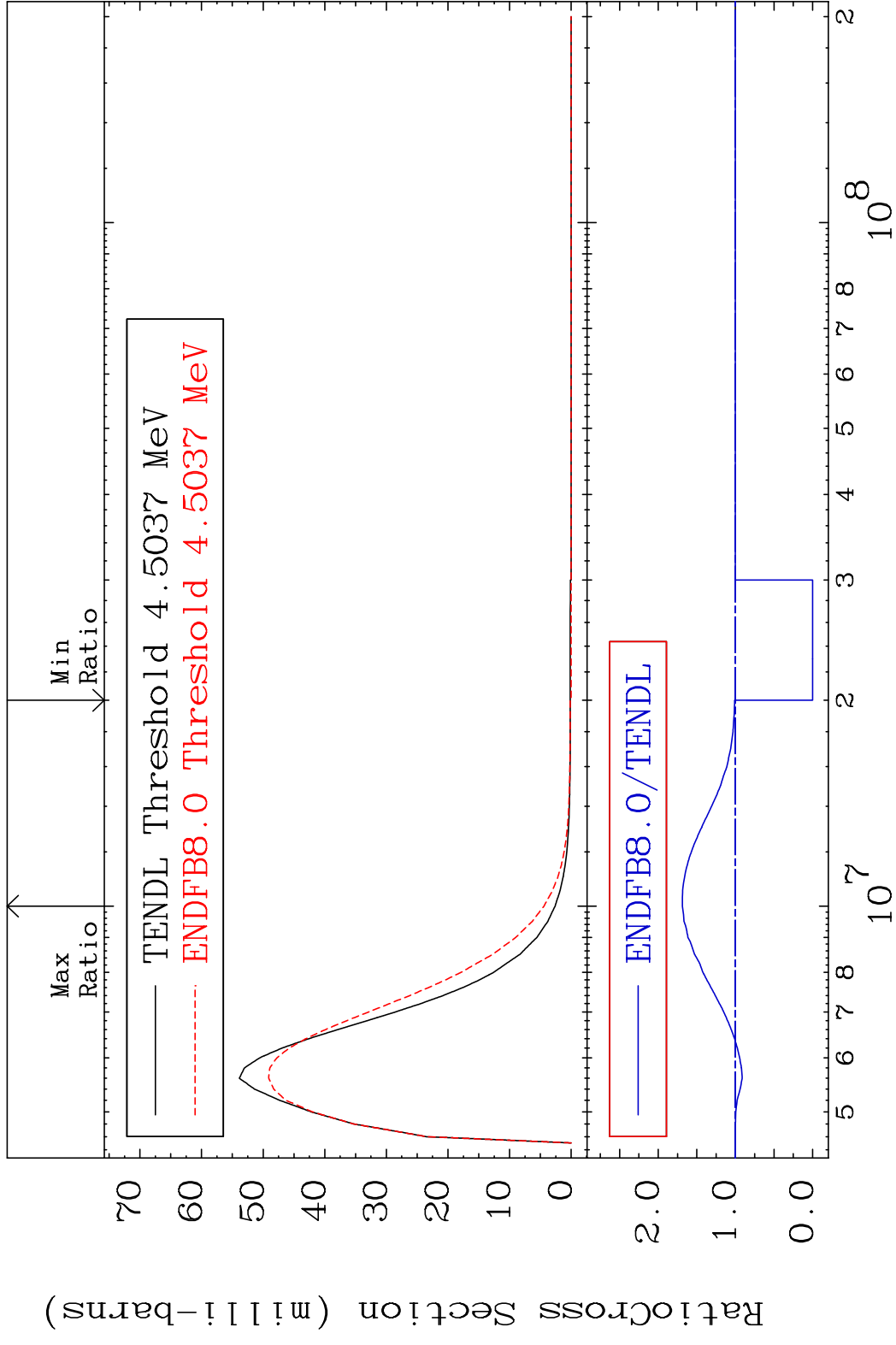


20

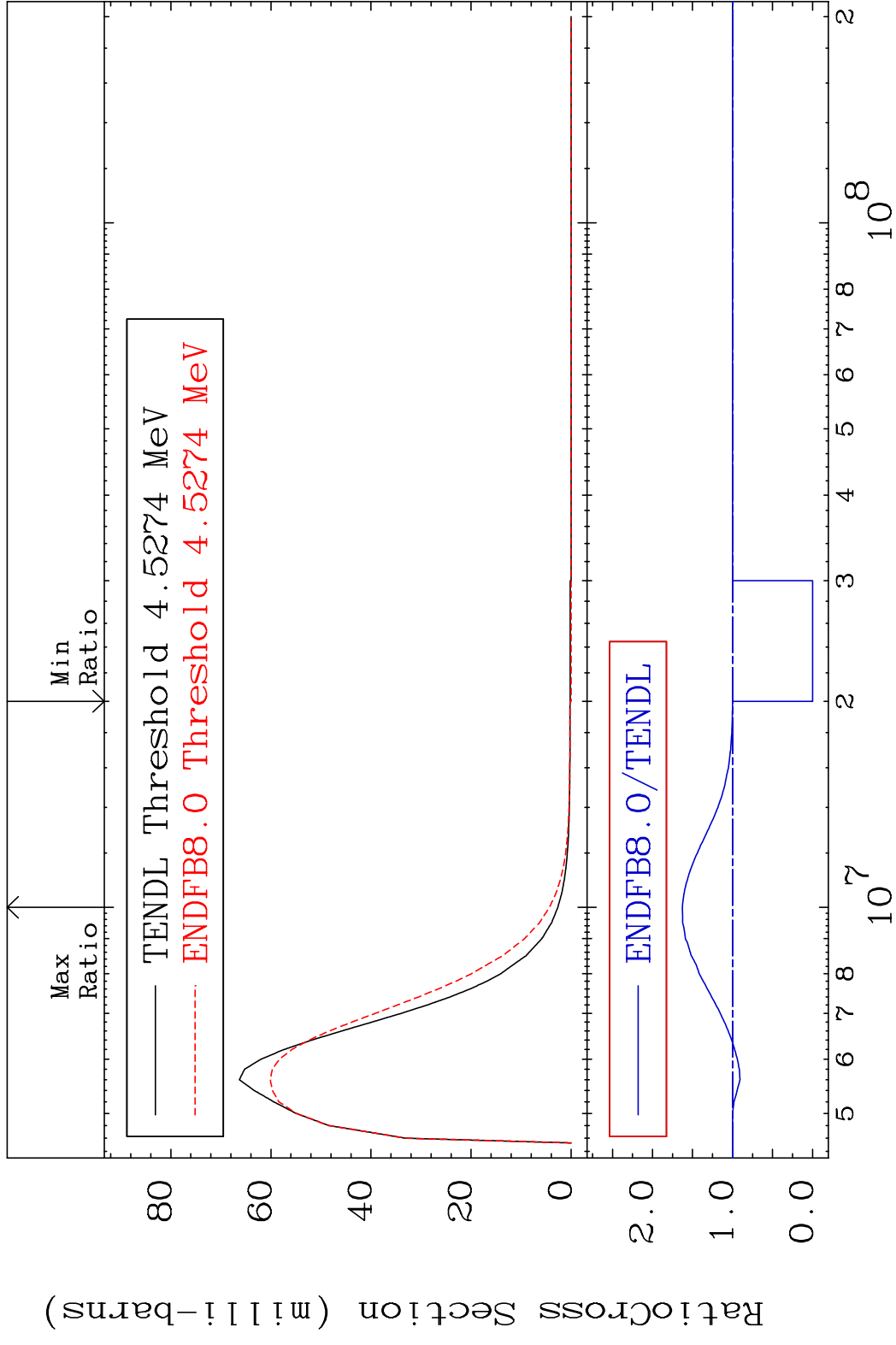
Incident Energy (eV)

20-Ca-46

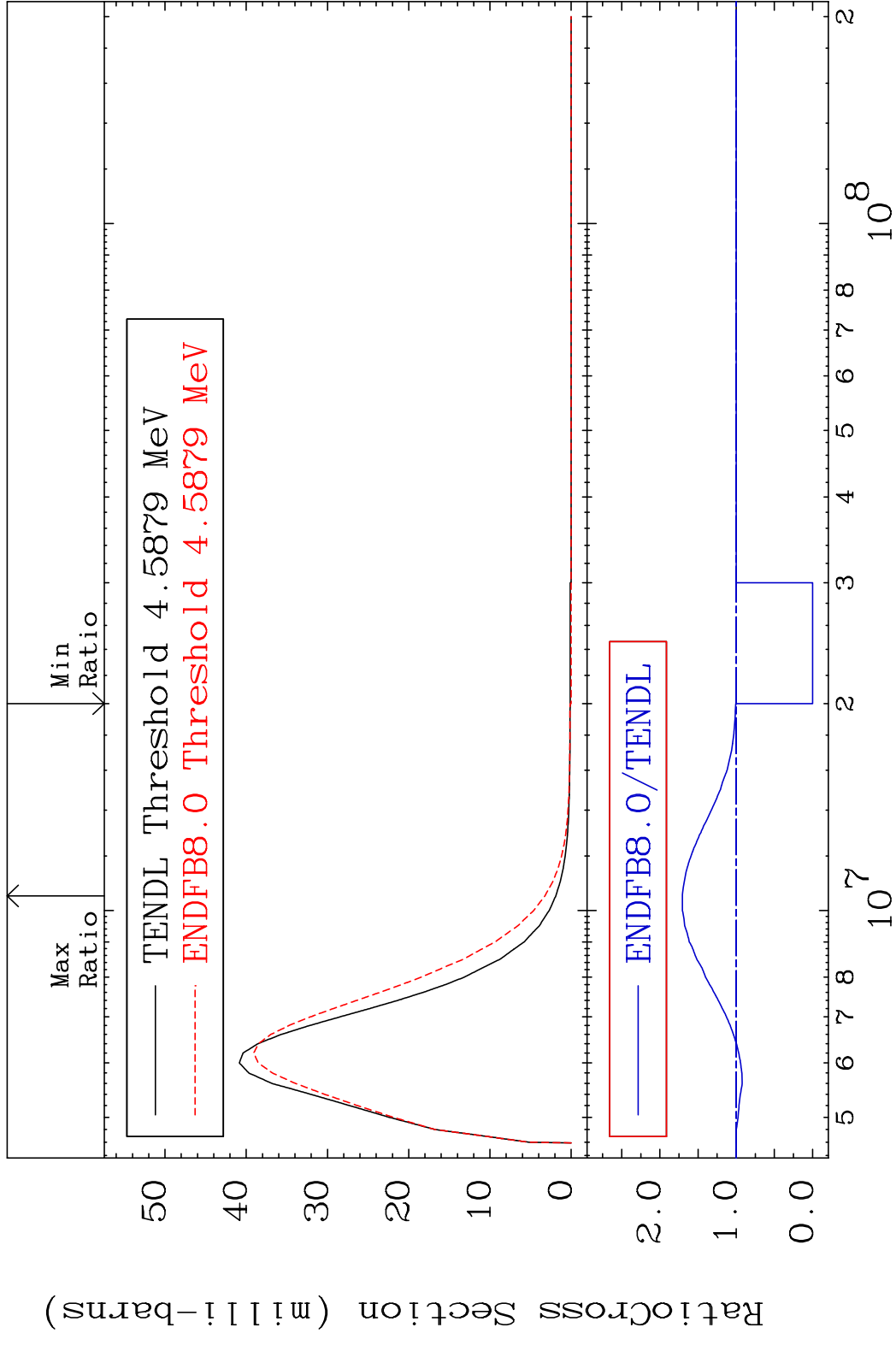
MAT 2043 MT= 63 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 68.74 %



MAT 2043 MT= 64 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 62.71 %

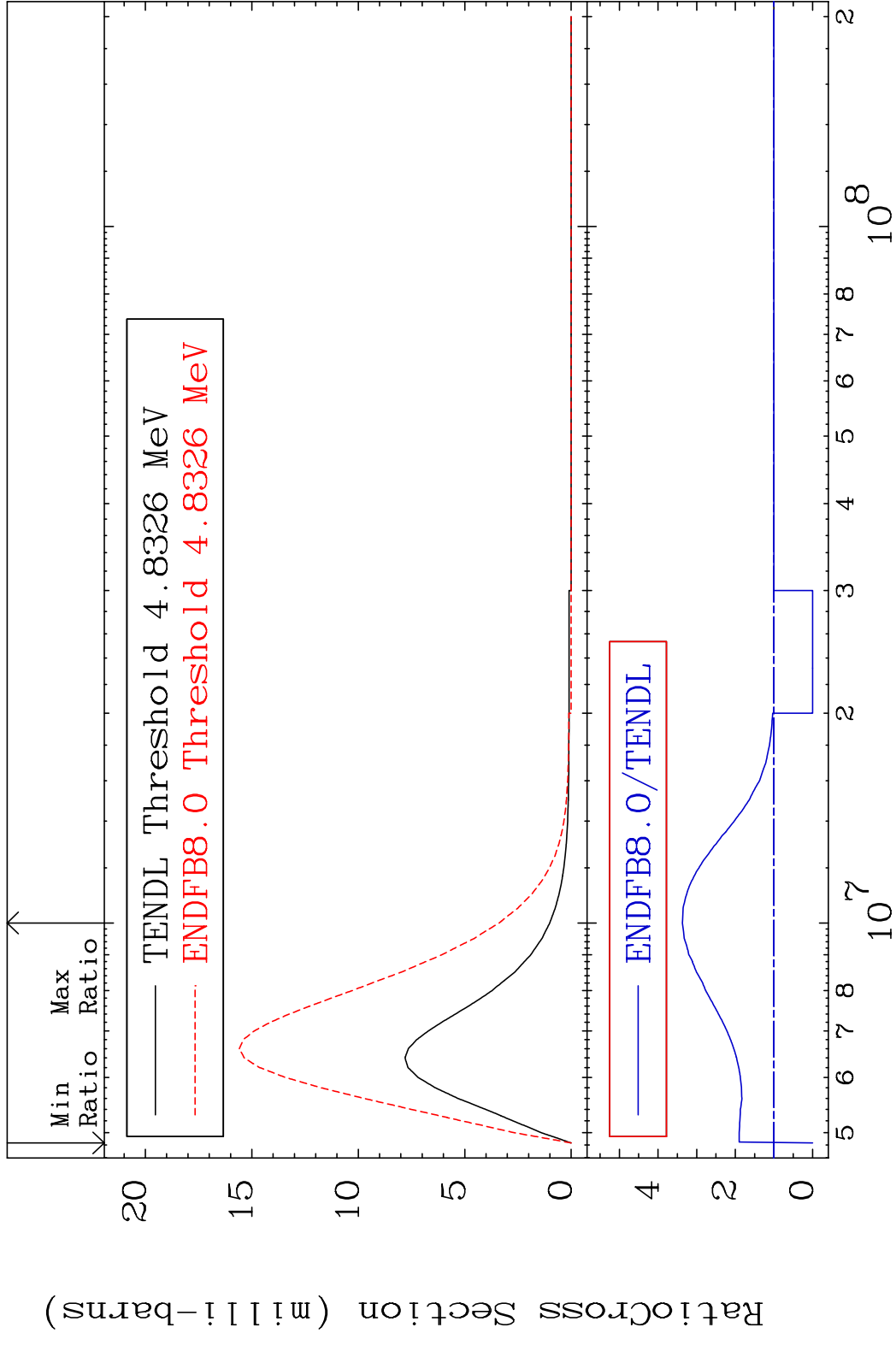


MAT 2043 MT= 65 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 70.60 %

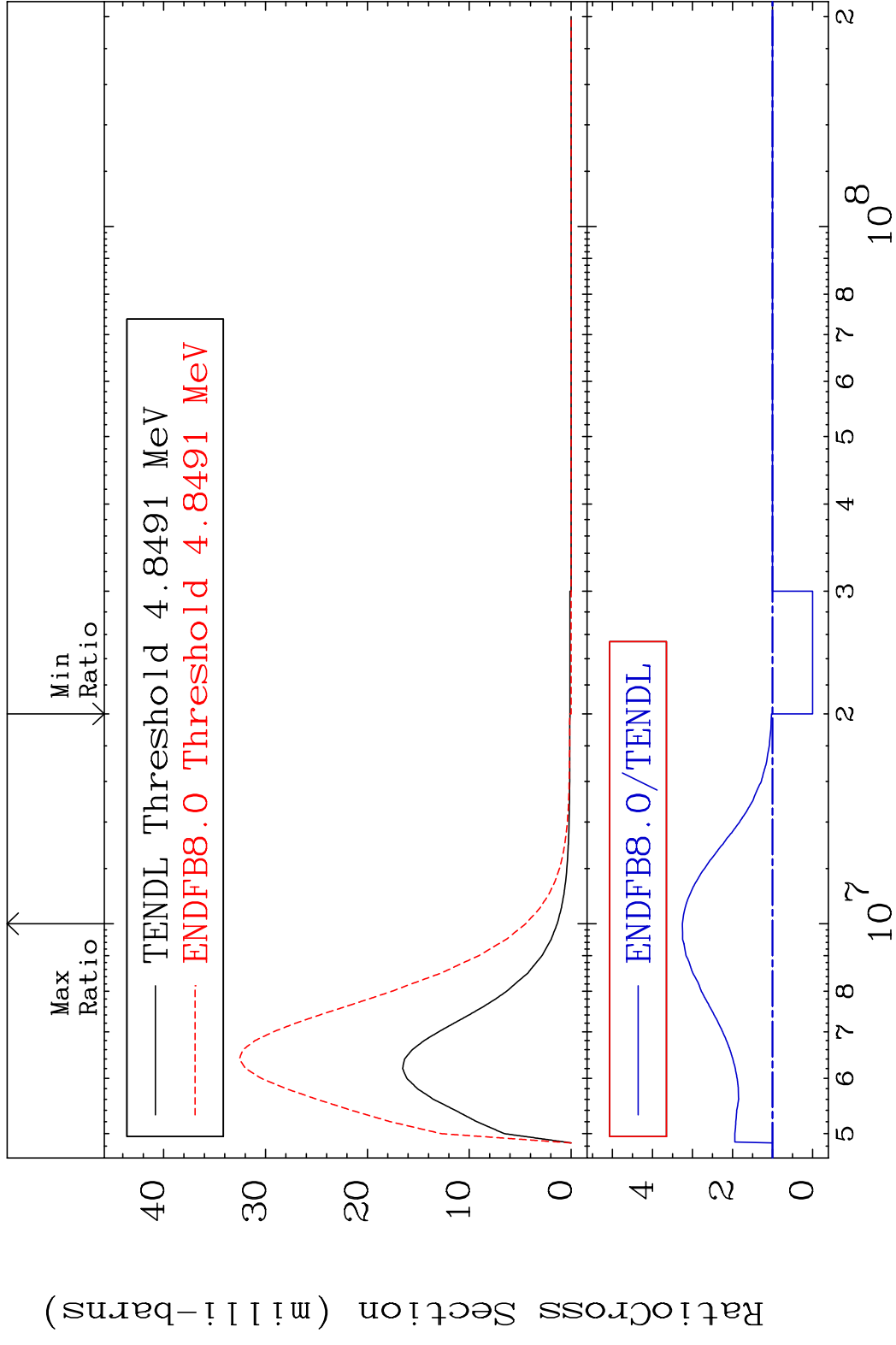




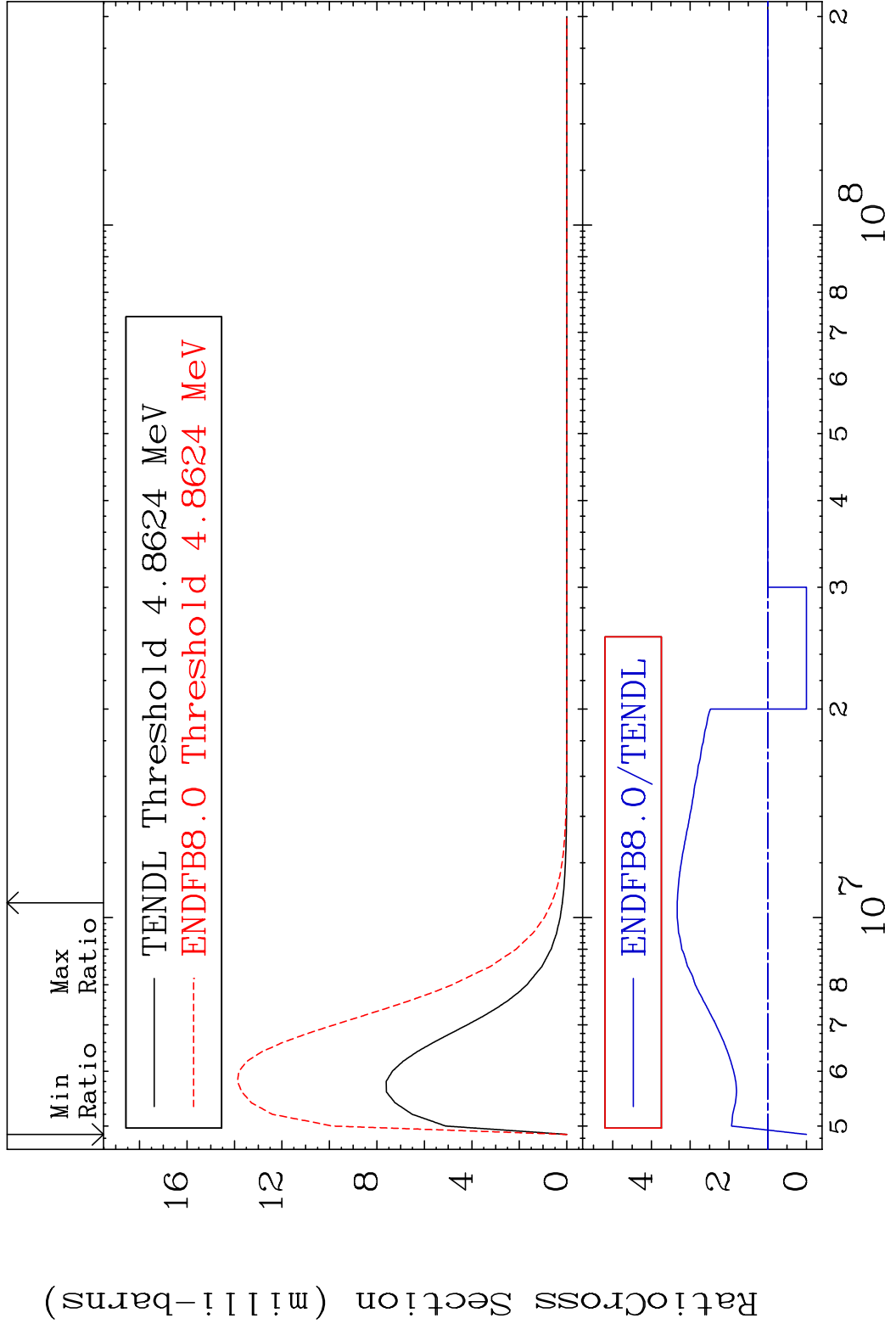
MAT 2043 MT= 66 (n,n') Level 20-Ca-46  
 Cross Section -100.0 To 237.0 %



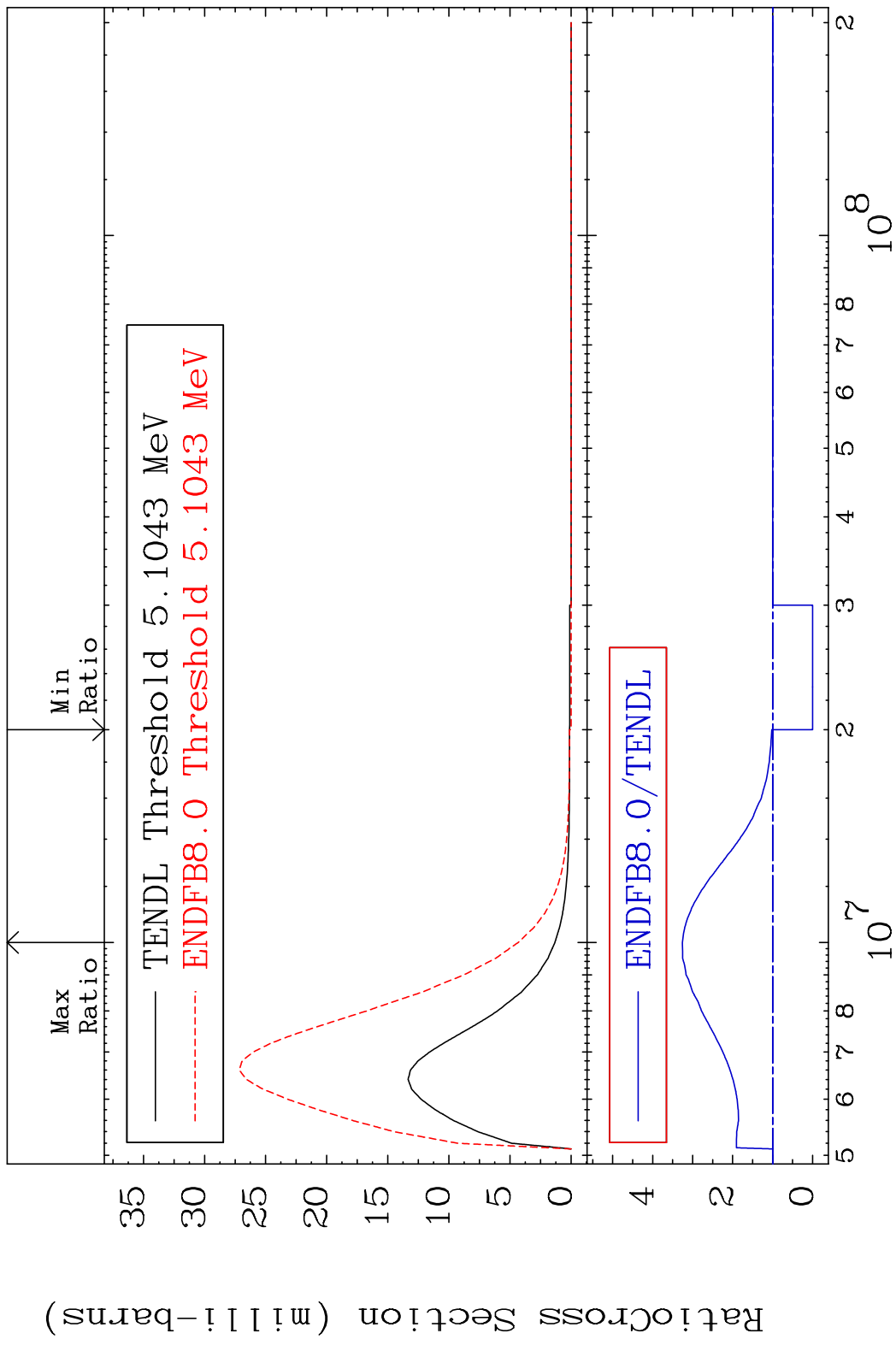
MAT 2043 MT= 67 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 225.4 %



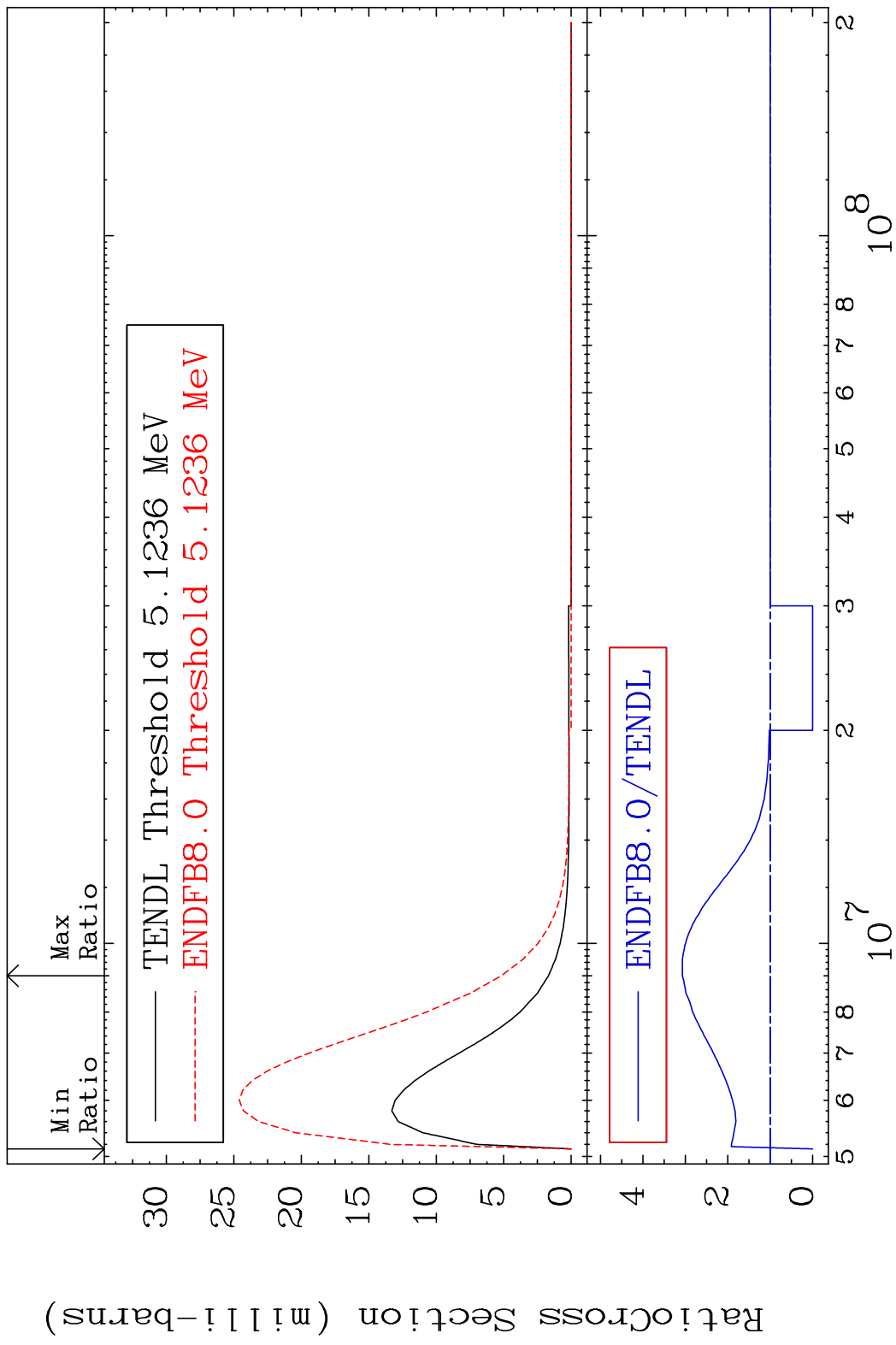
MAT 2043 MT= 68 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 233.6 %



MAT 2043 MT= 69 (n, n') Level 20-Ca-46  
 Cross Section -100.0 To 225.8 %



MAT 2043 MT= 70 (n,n') Level 20-Ca-46  
 Cross Section -100.0 To 206.9 %

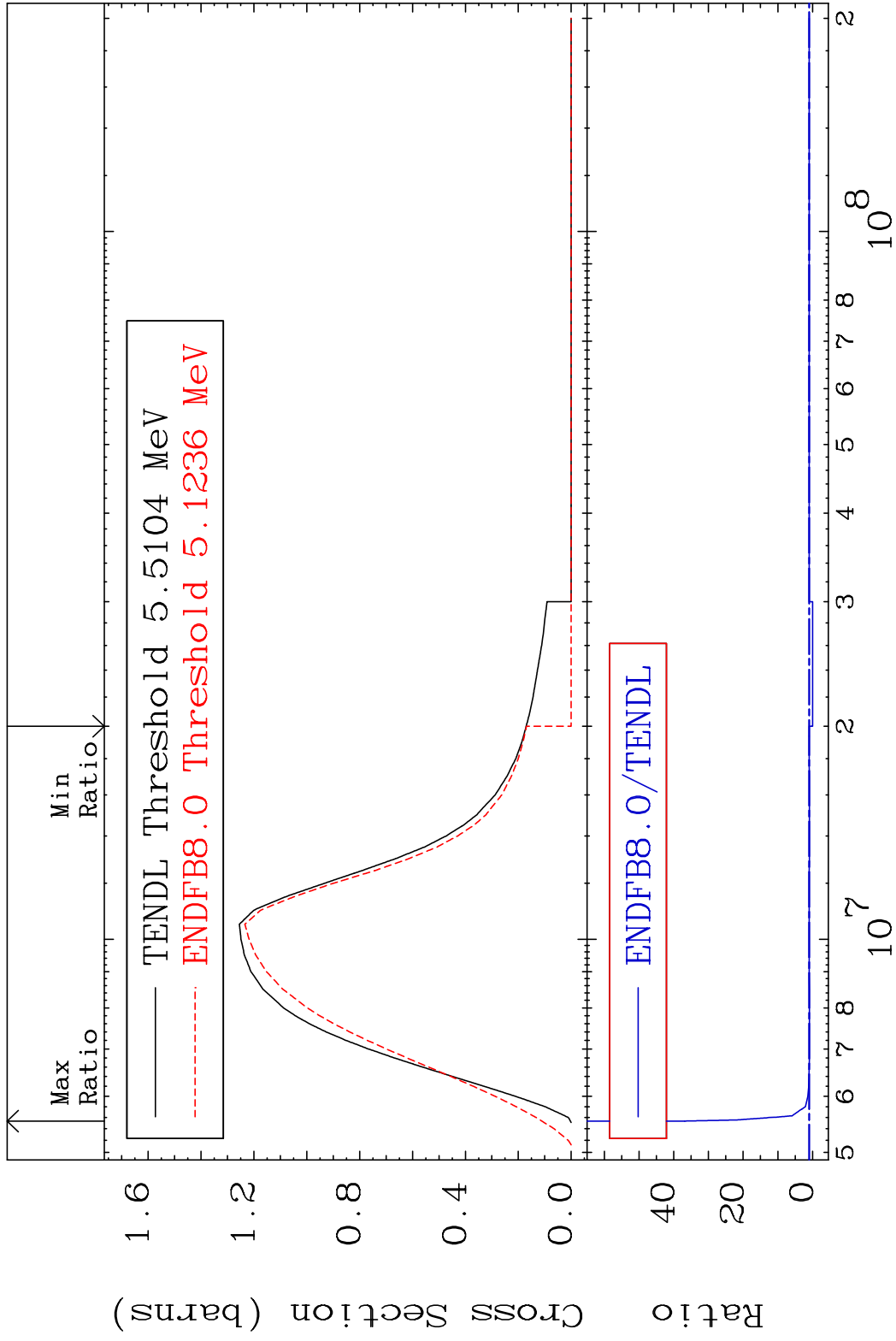


MAT 2043

(n,n') Continuum

20-Ca-46

Cross Section -100.0 To 3651. %



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Incident Energy (eV)

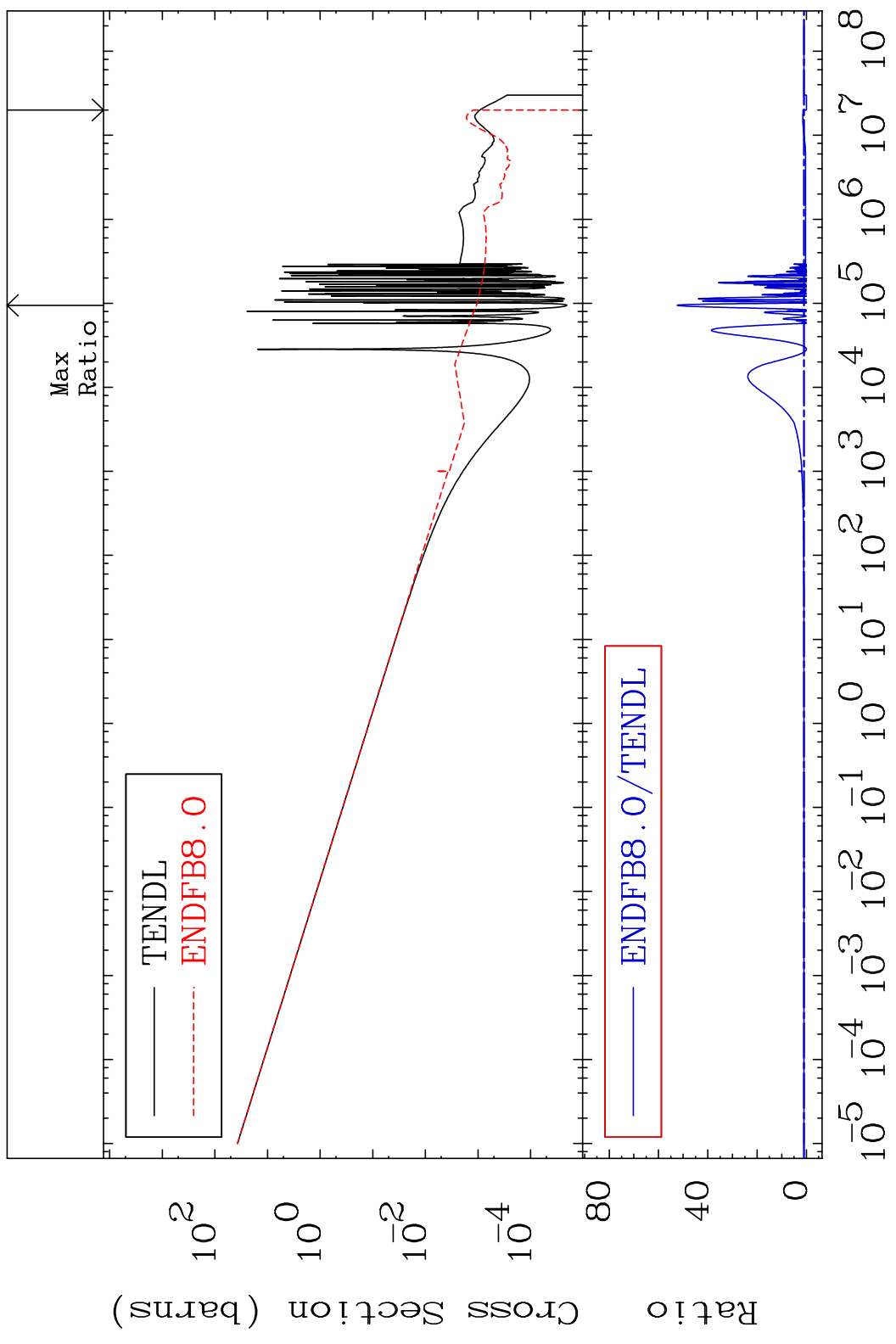
20-Ca-46

MAT 2043

(n,  $\gamma$ )

20-Ca-46

Cross Section -100.0 To 5143. %

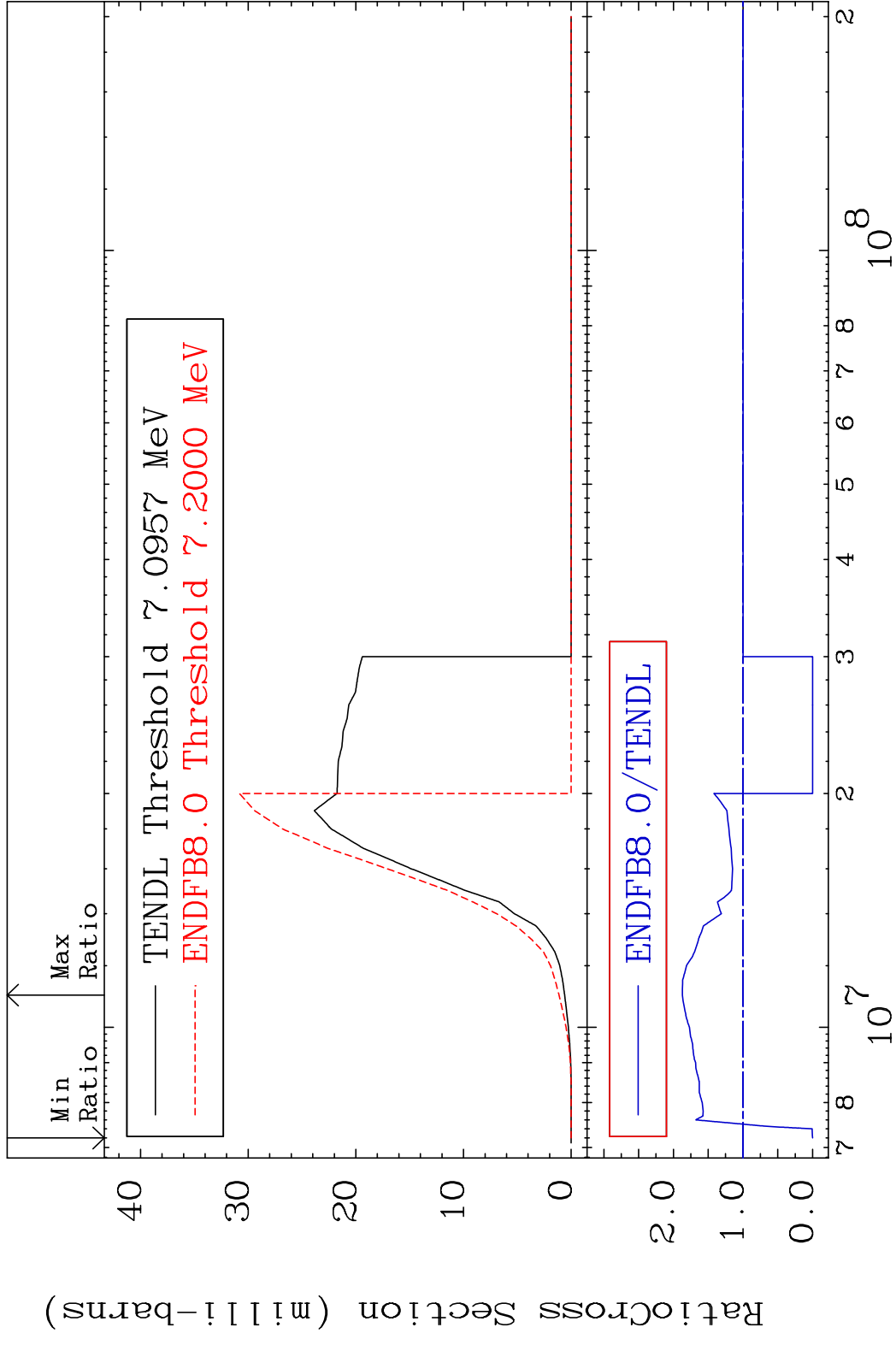


30

Incident Energy (eV)

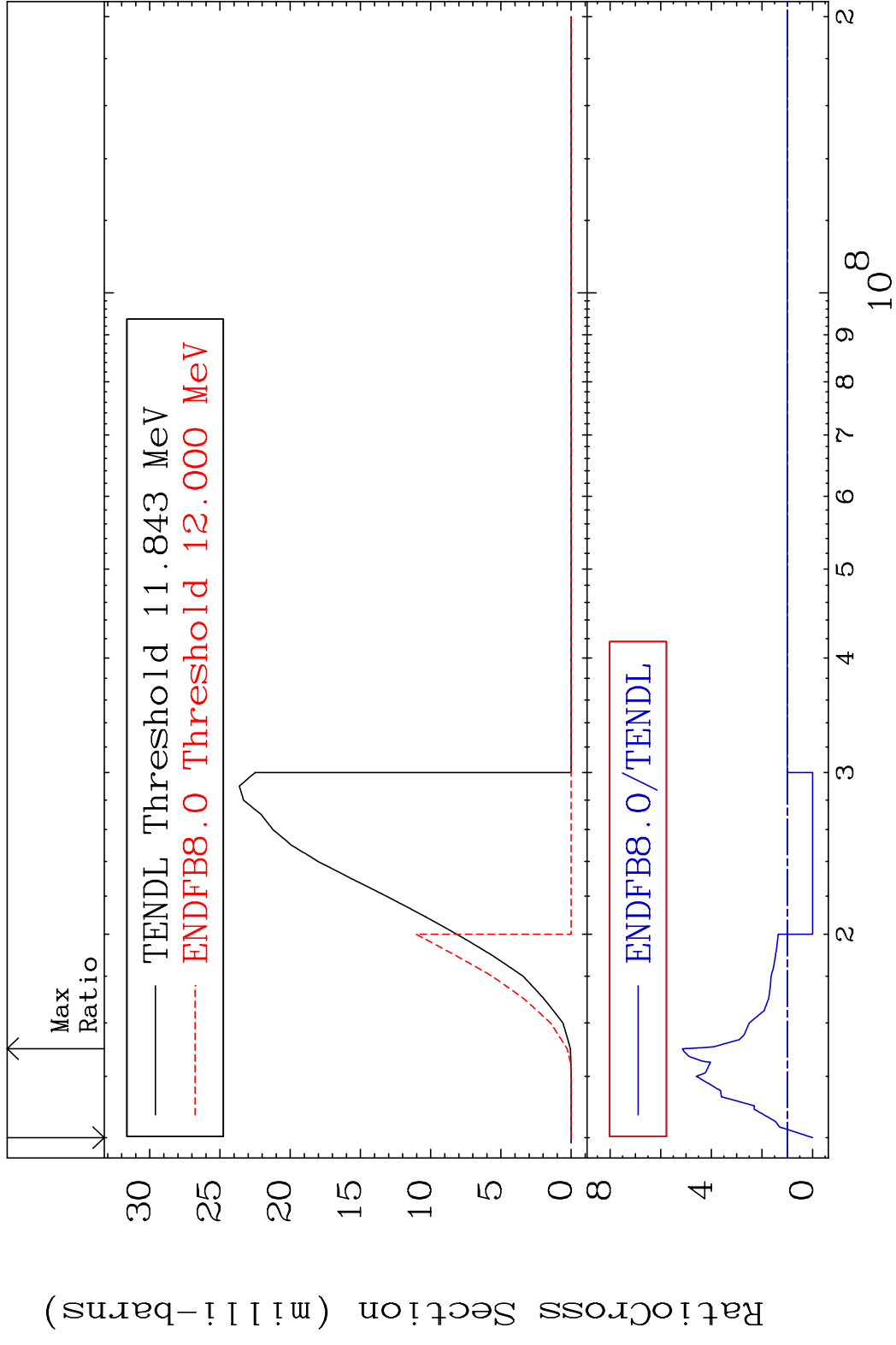
20-Ca-46

MAT 2043 (n,p) 20-Ca-46  
 Cross Section -100.0 To 87.15 %

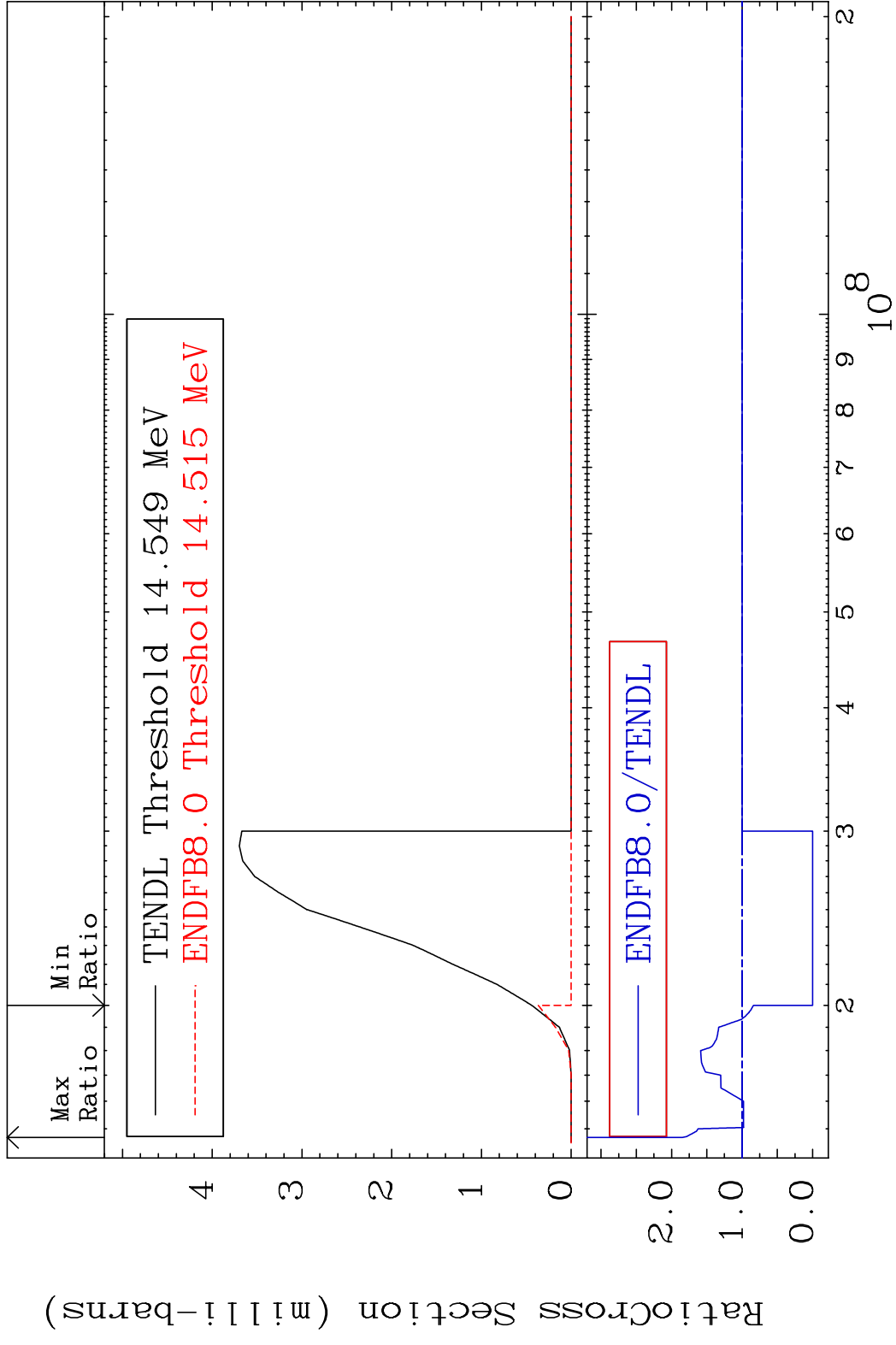


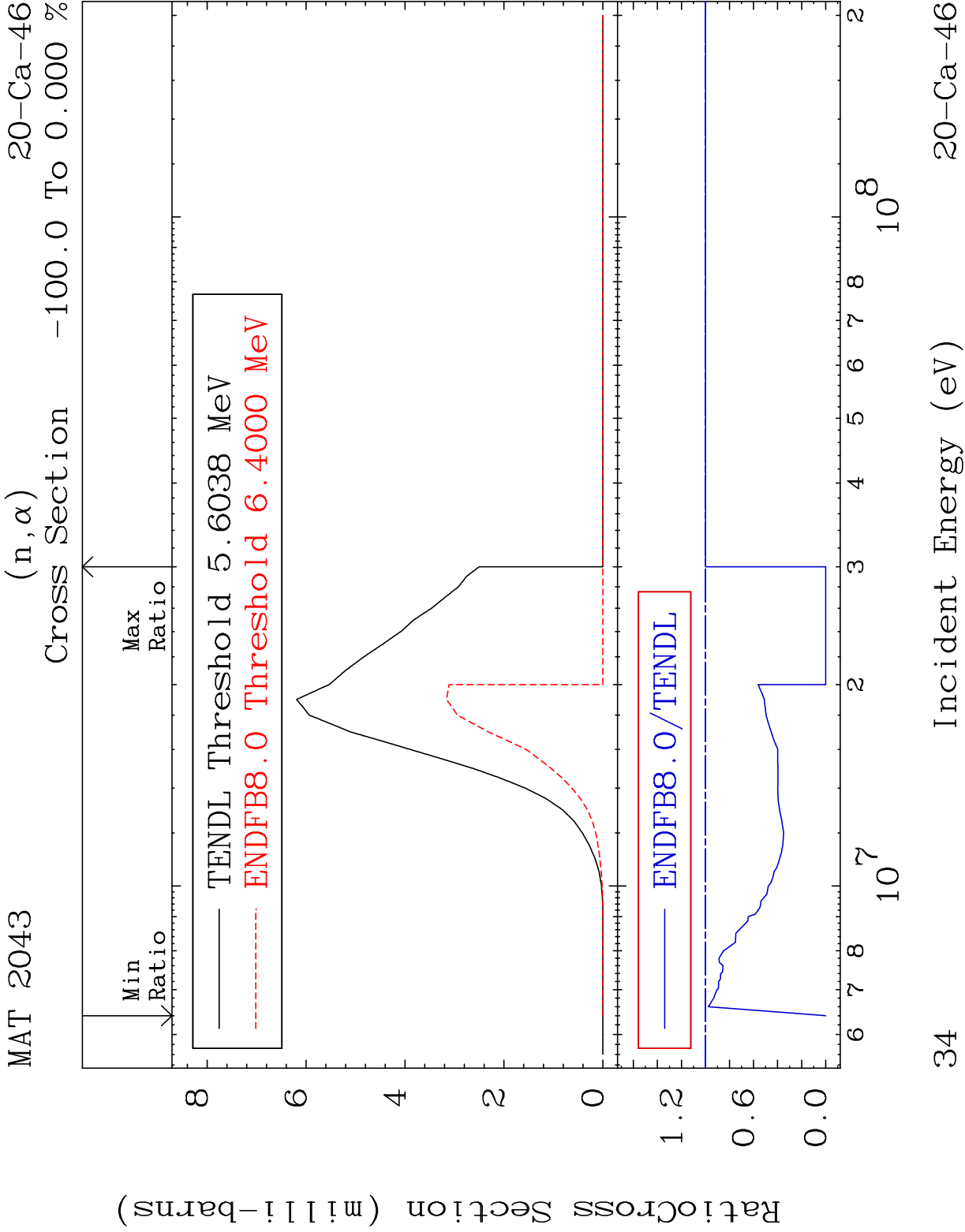


MAT 2043 (n,d) 20-Ca-46  
 Cross Section -100.0 To 414.3 %

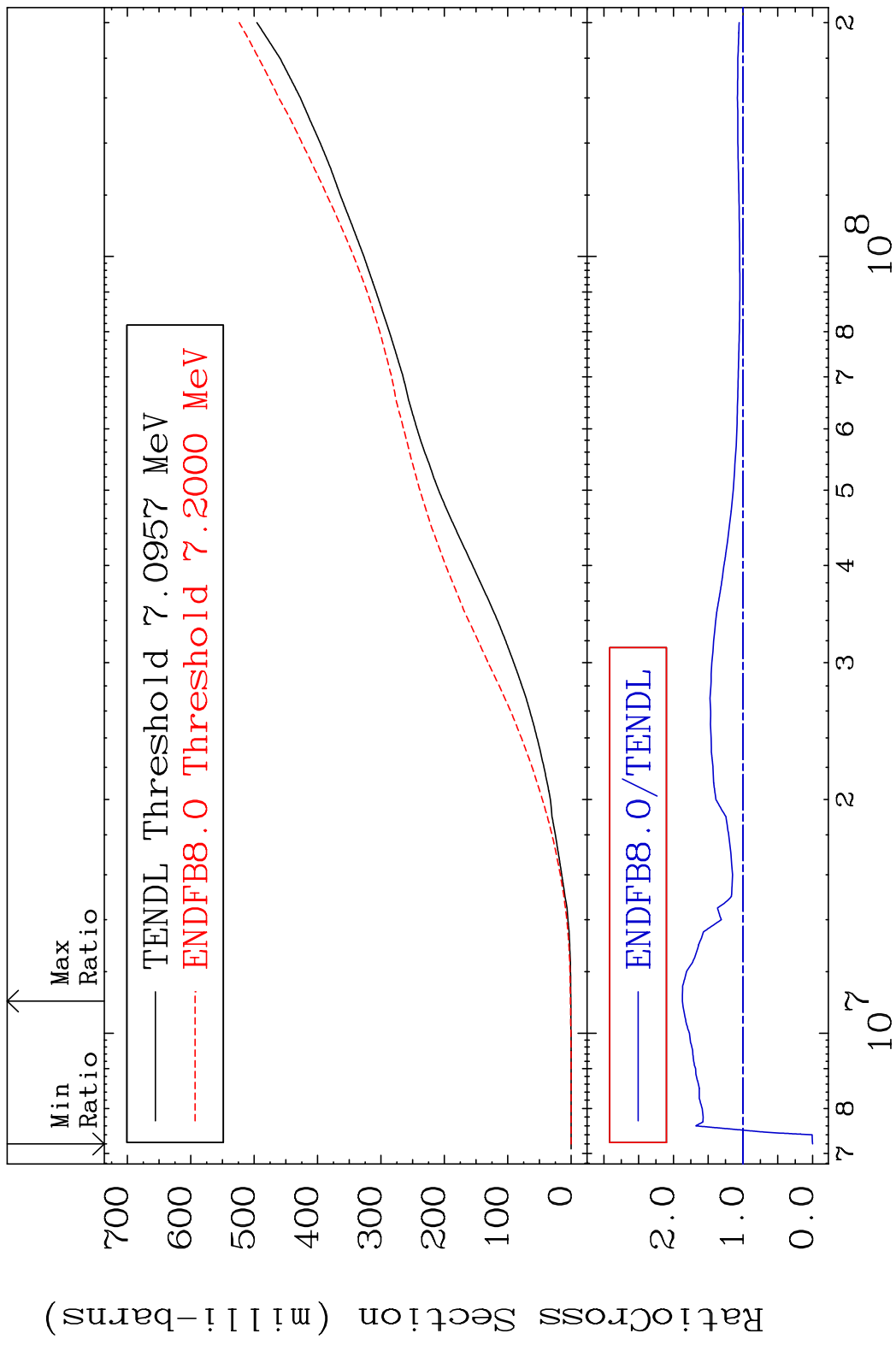


MAT 2043 (n, t) 20-Ca-46  
 Cross Section -100.0 To 84.70 %

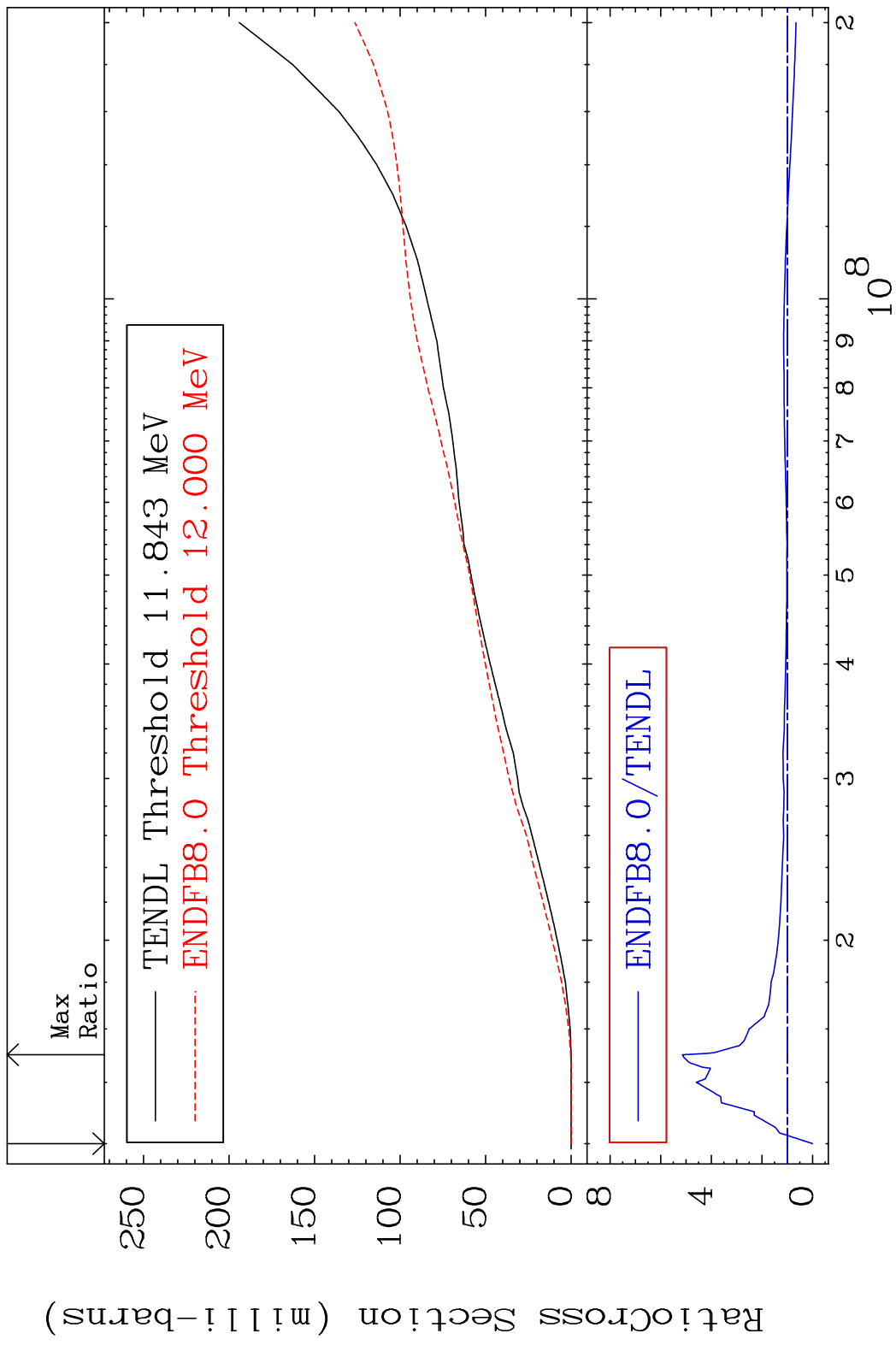




MAT 2043 Hydrogen Production 20-Ca-46  
 Cross Section -100.0 To 87.15 %

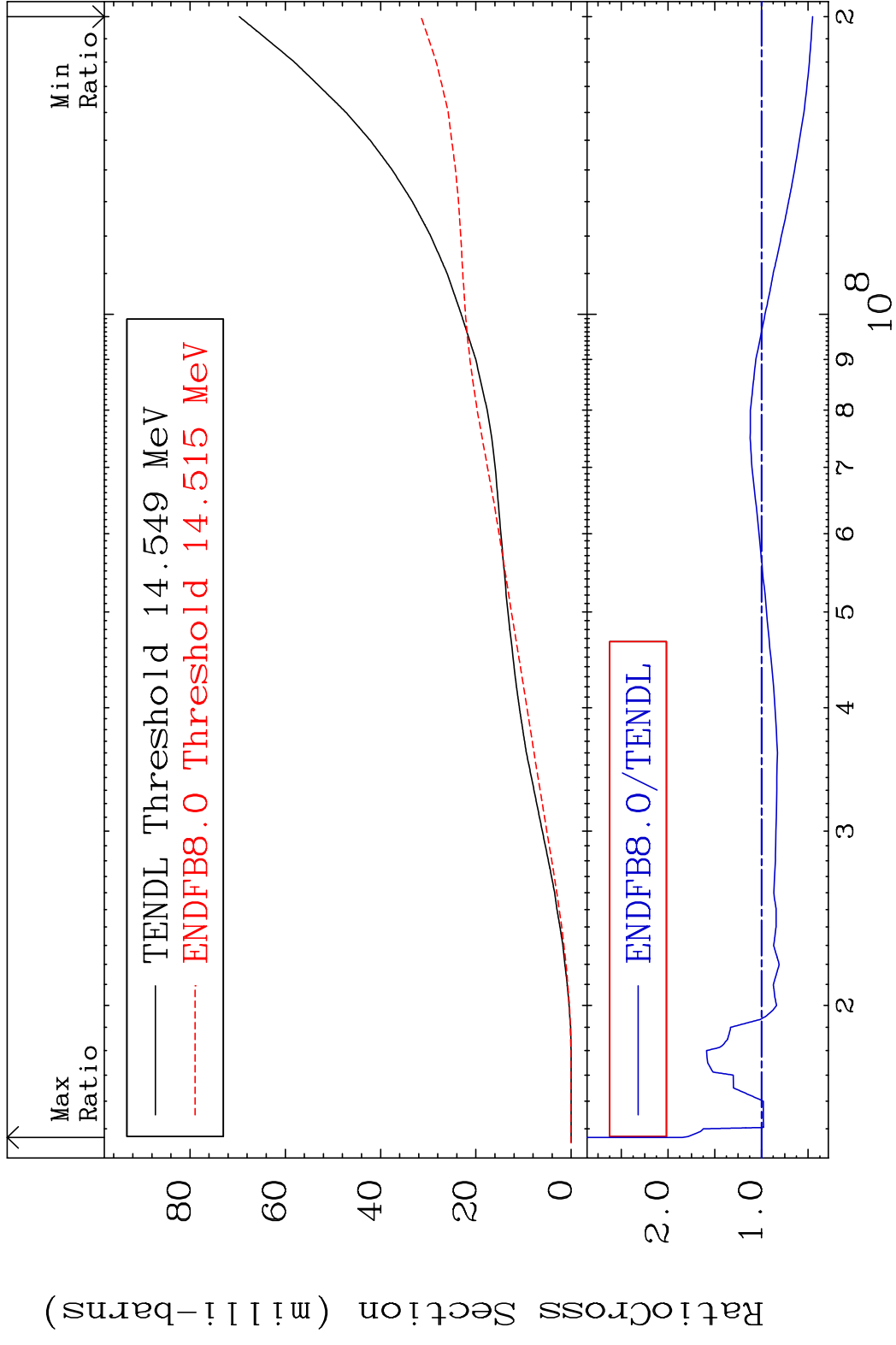


MAT 2043 Deuterium Production 20-Ca-46  
 Cross Section -100.0 To 414.3 %

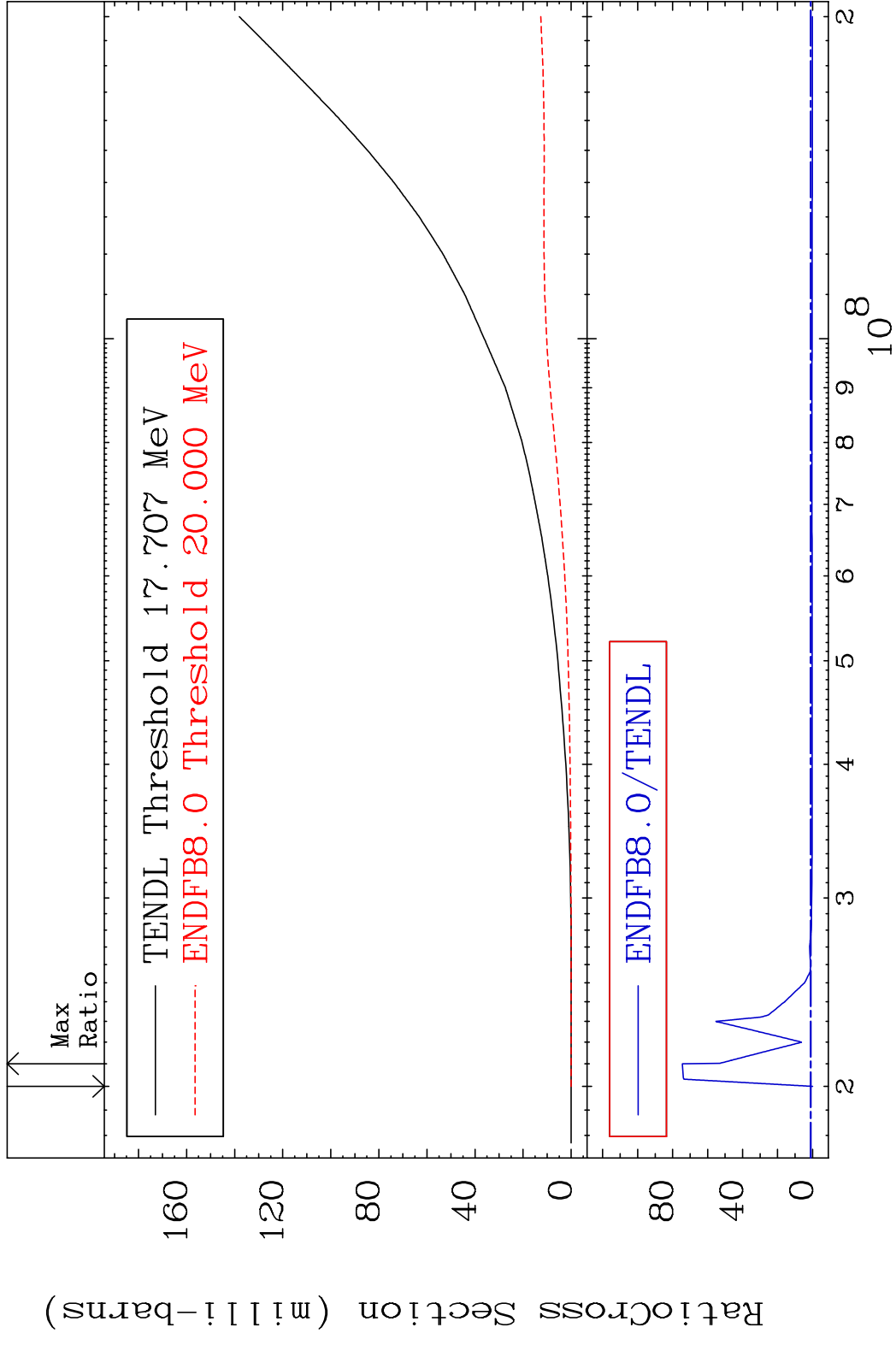


36 Incident Energy (eV) 20-Ca-46

MAT 2043 Tritium Production 20-Ca-46  
 Cross Section -54.75 To 84.70 %



MAT 2043 He-3 Production 20-Ca-46  
 Cross Section -100.0 To 7345. %



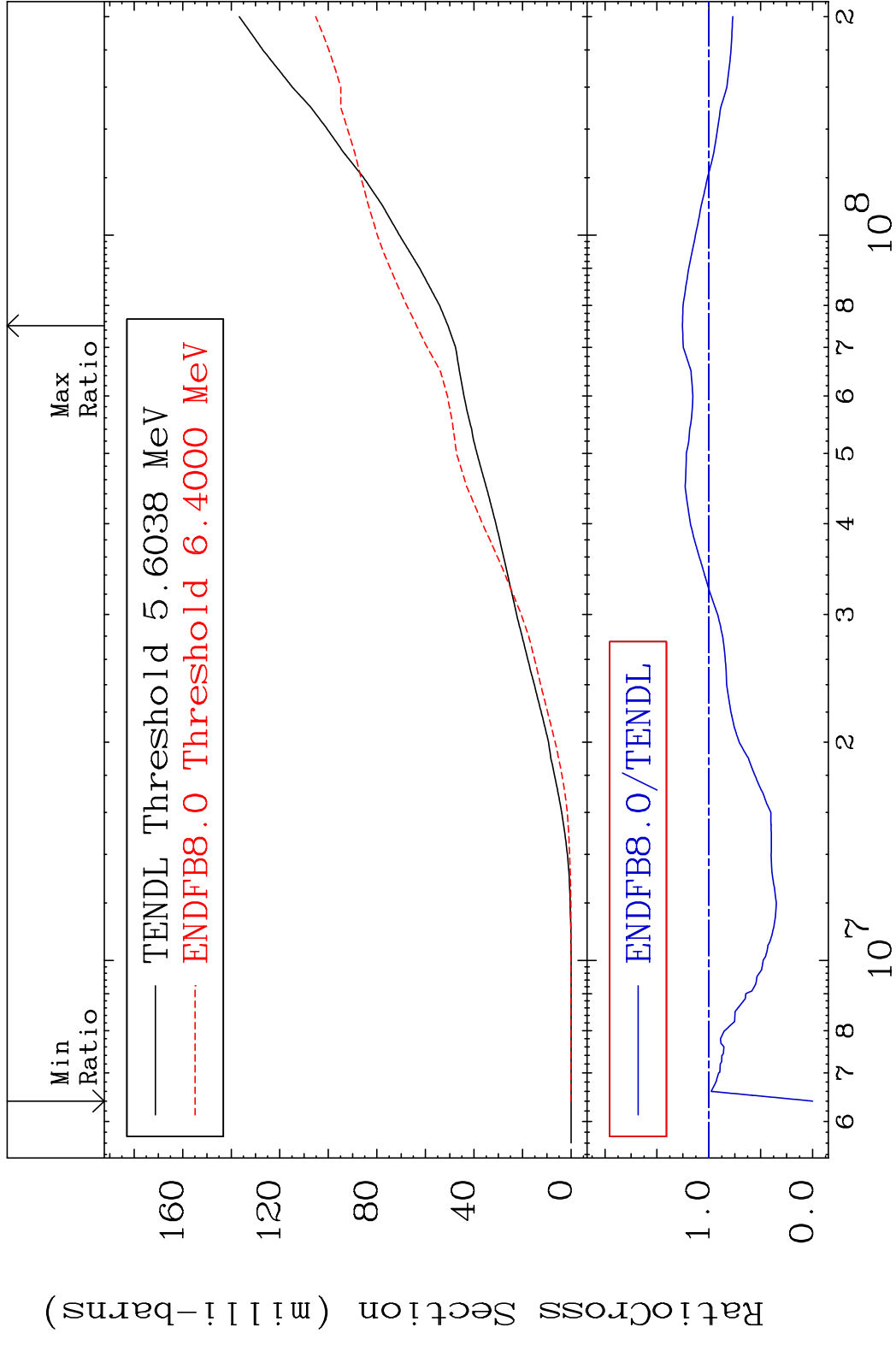
38 Incident Energy (eV) 20-Ca-46

MAT 2043

He-4 Production

20-Ca-46

Cross Section -100.0 To 25.52 %



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Incident Energy (eV)

20-Ca-46

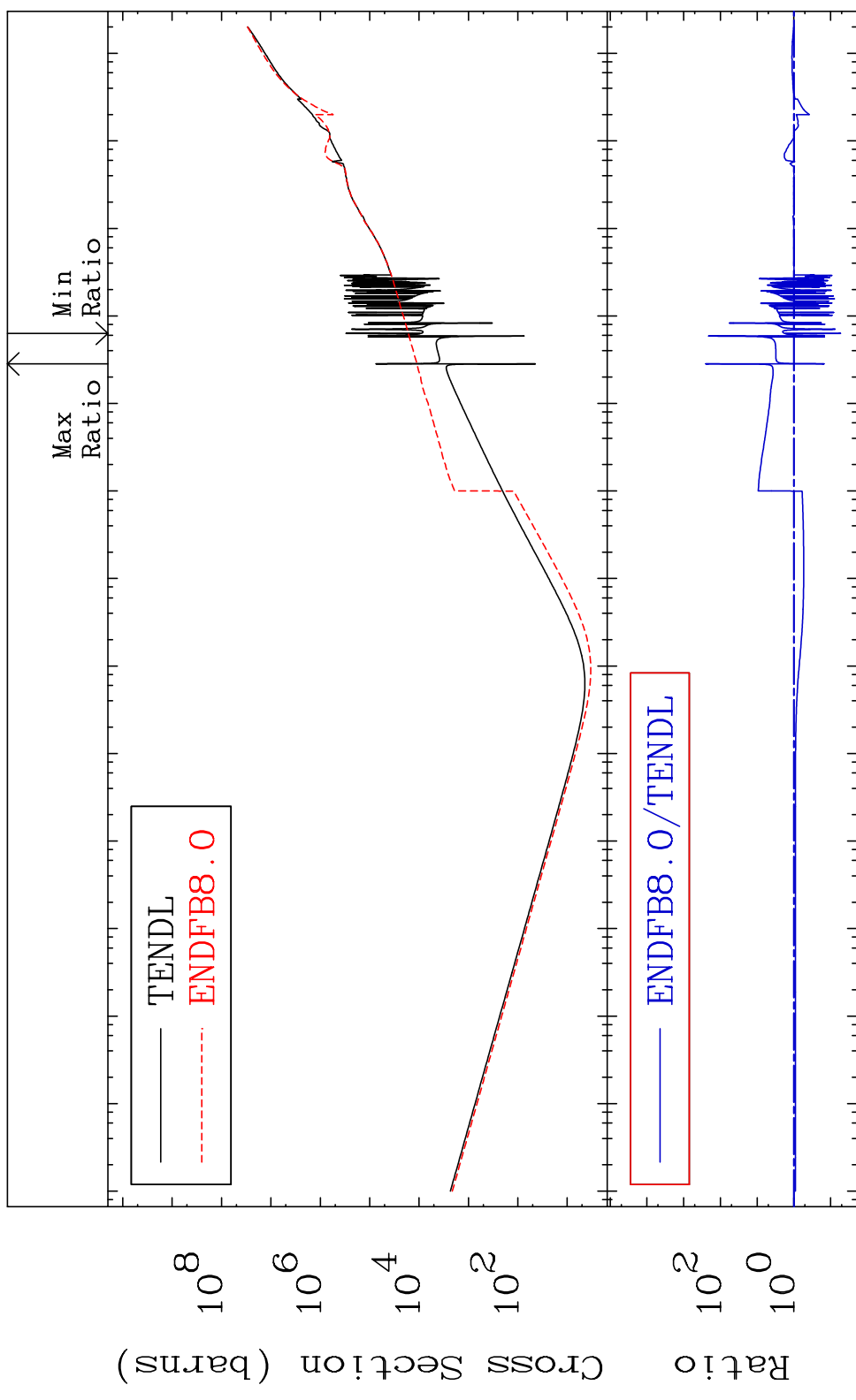


MAT 2043

Kerma total (eV-barns)

20-Ca-46

Cross Section -94.59 To 9999. %



40

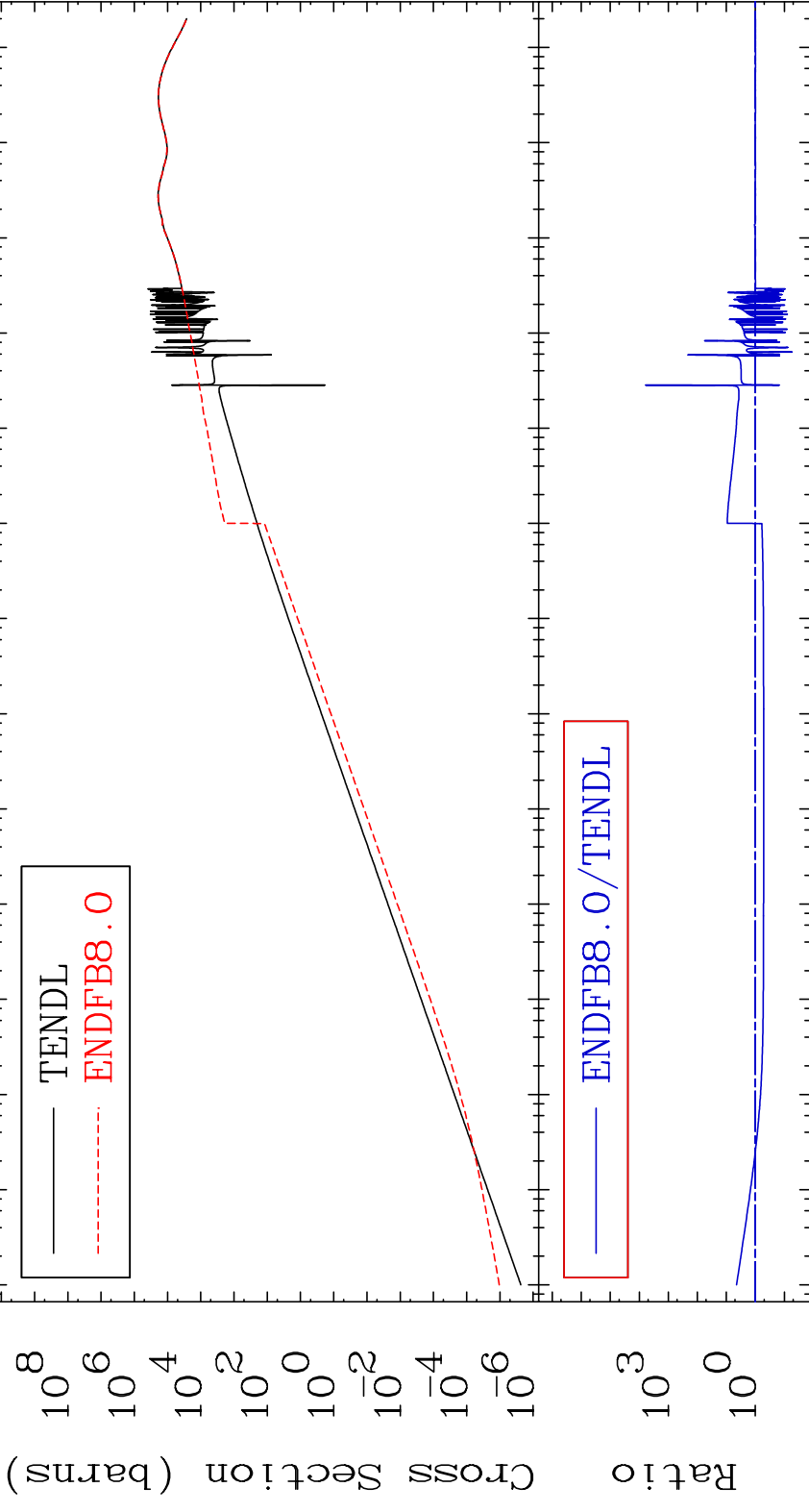
Incident Energy (eV)

20-Ca-46

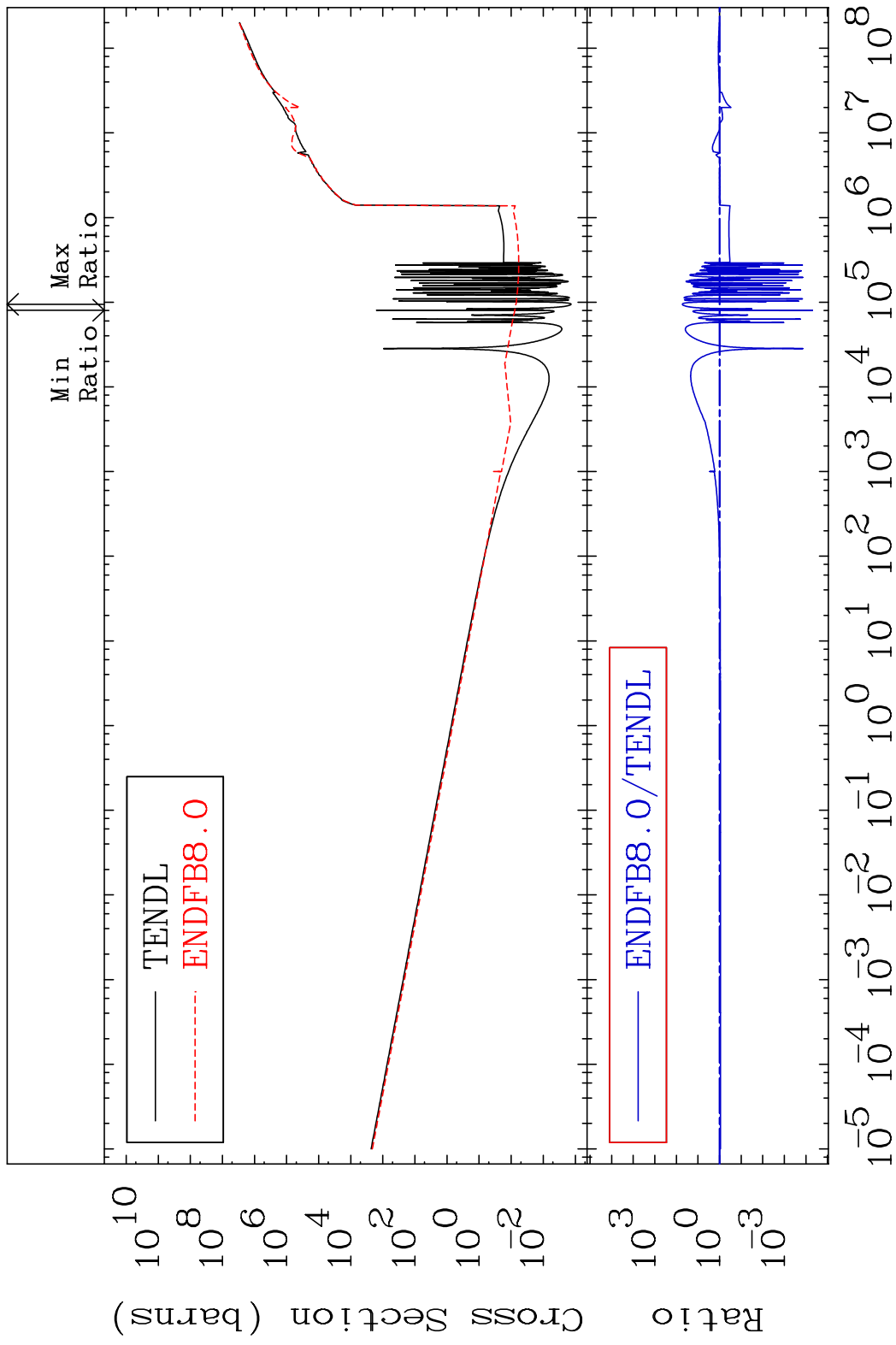
MAT 2043

Kerma elastic  
Cross Section -94.58 To 9999. %

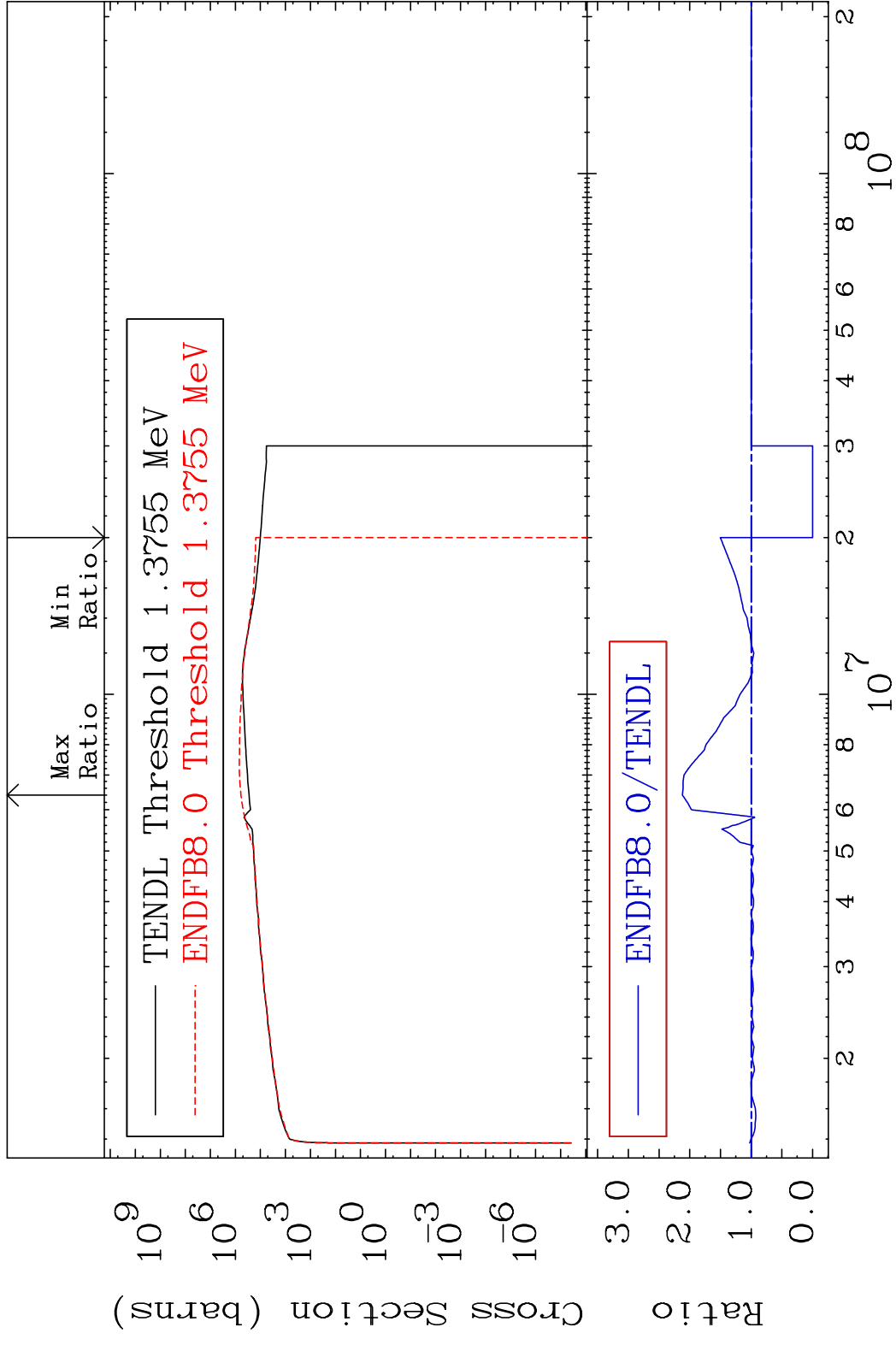
20-Ca-46



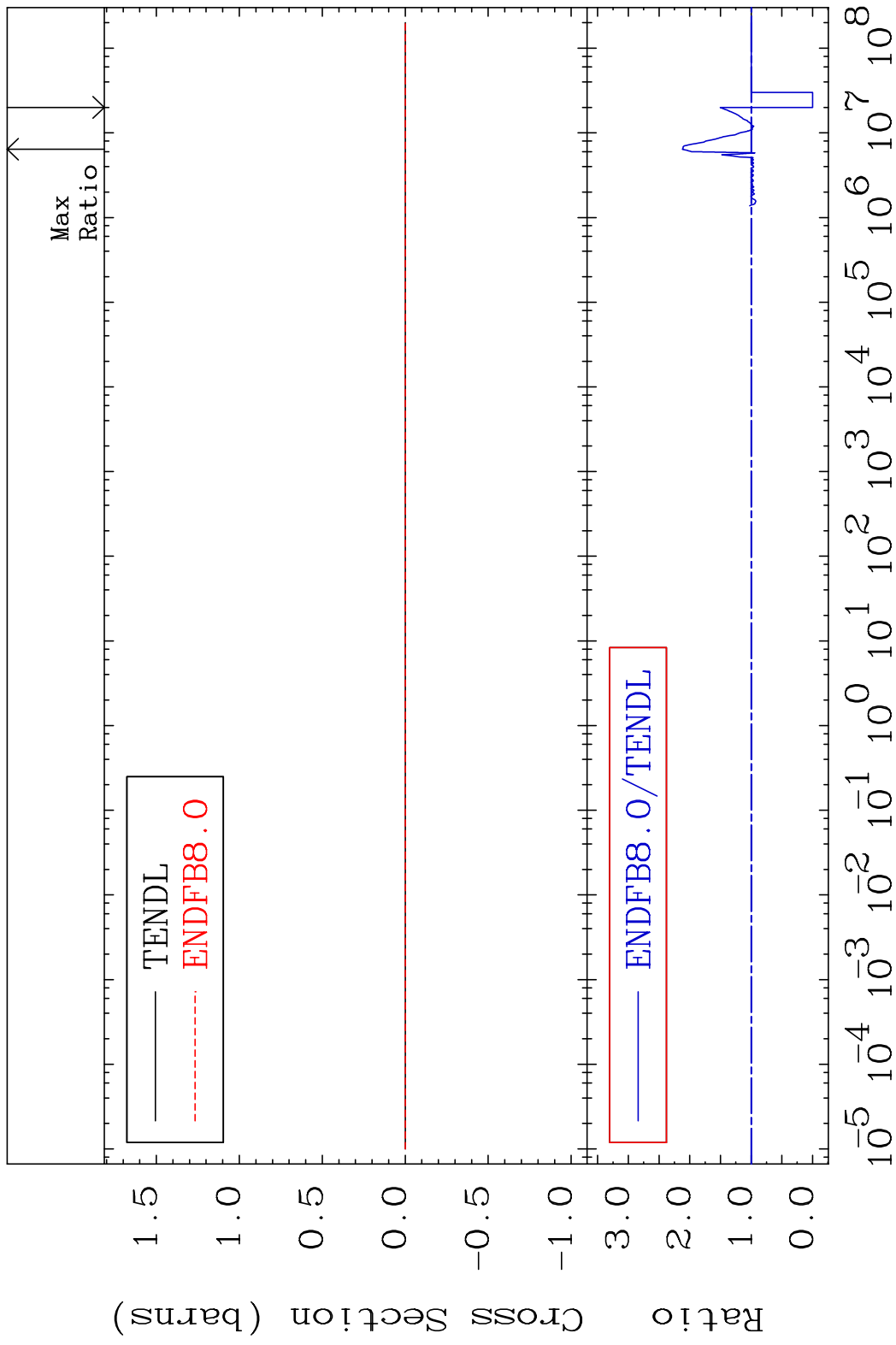
MAT 2043 Kerma non-elastic (all but mt2) 20-Ca-46  
 Cross Section -100.0 To 5182. %



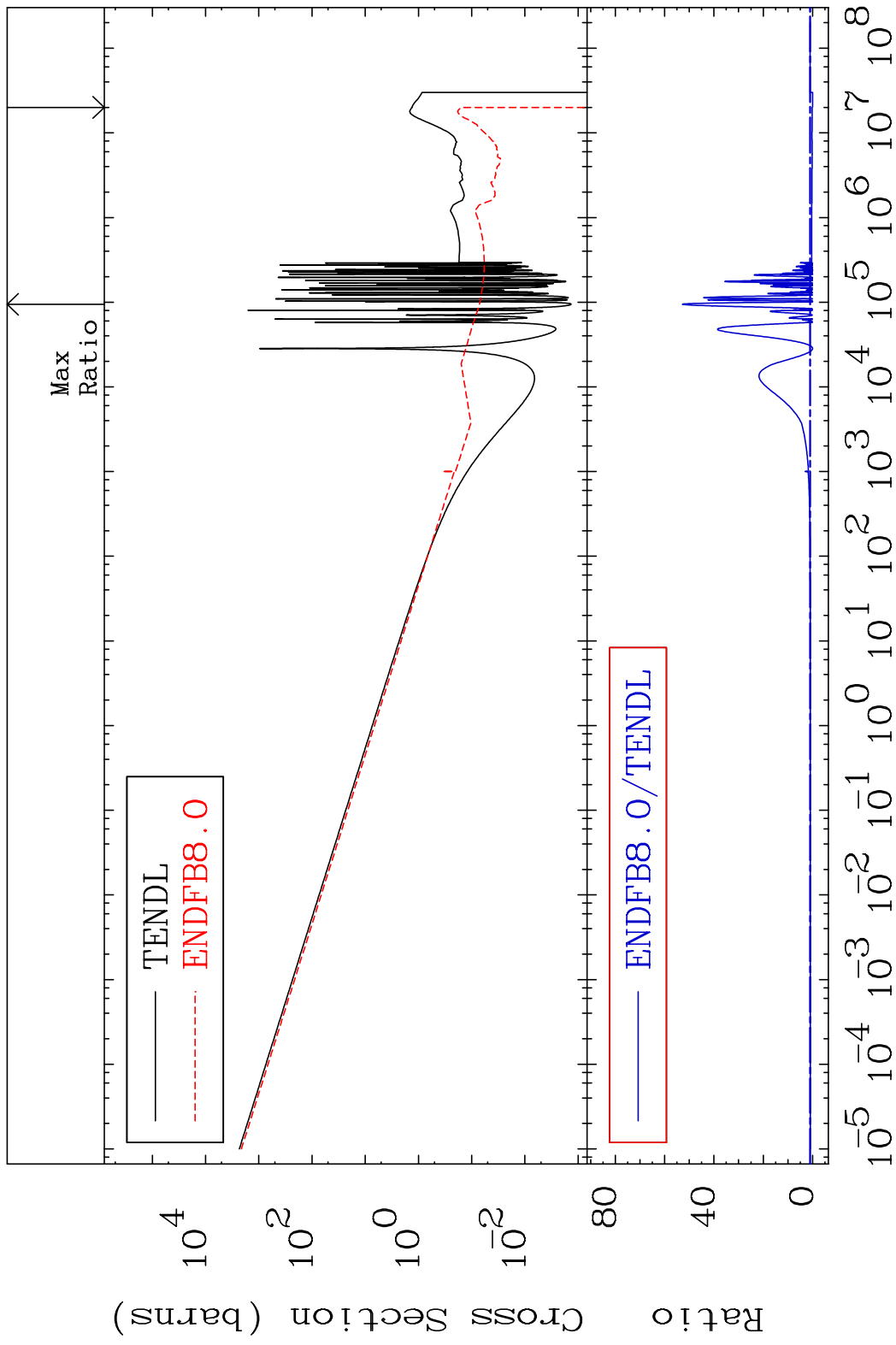
MAT 2043 Kerma inelastic (mt51-91) 20-Ca-46  
 Cross Section -100.0 To 112.1 %



MAT 2043 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-46  
 Cross Section -100.0 To 112.1 %



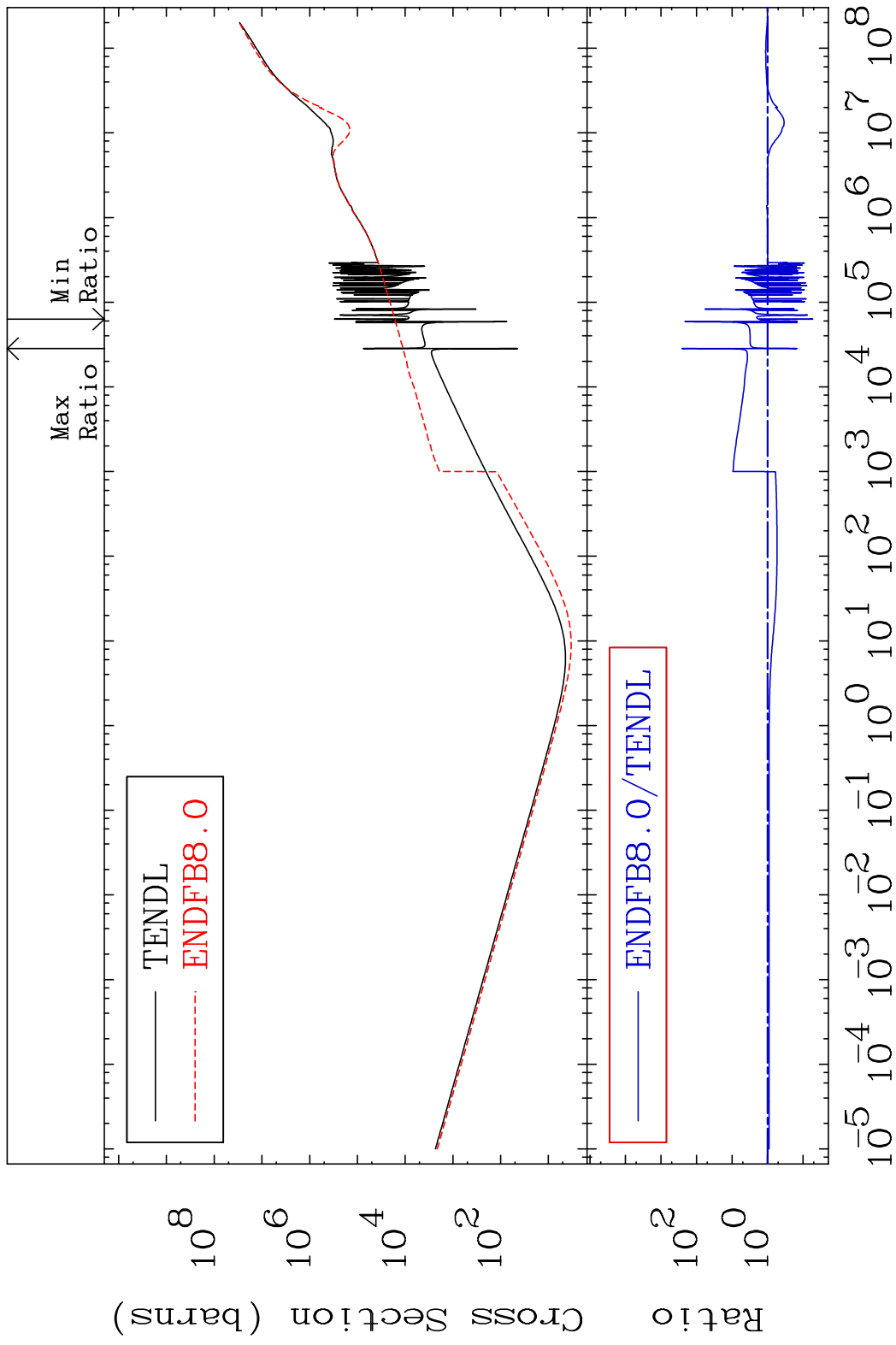
MAT 2043 Kerma capture (mt102) 20-Ca-46  
 Cross Section -100.0 To 5182. %



45 Incident Energy (eV) 20-Ca-46



MAT 2043 Total kinematic kerma (high limit) 20-Ca-46  
 Cross Section -94.59 To 9999. %



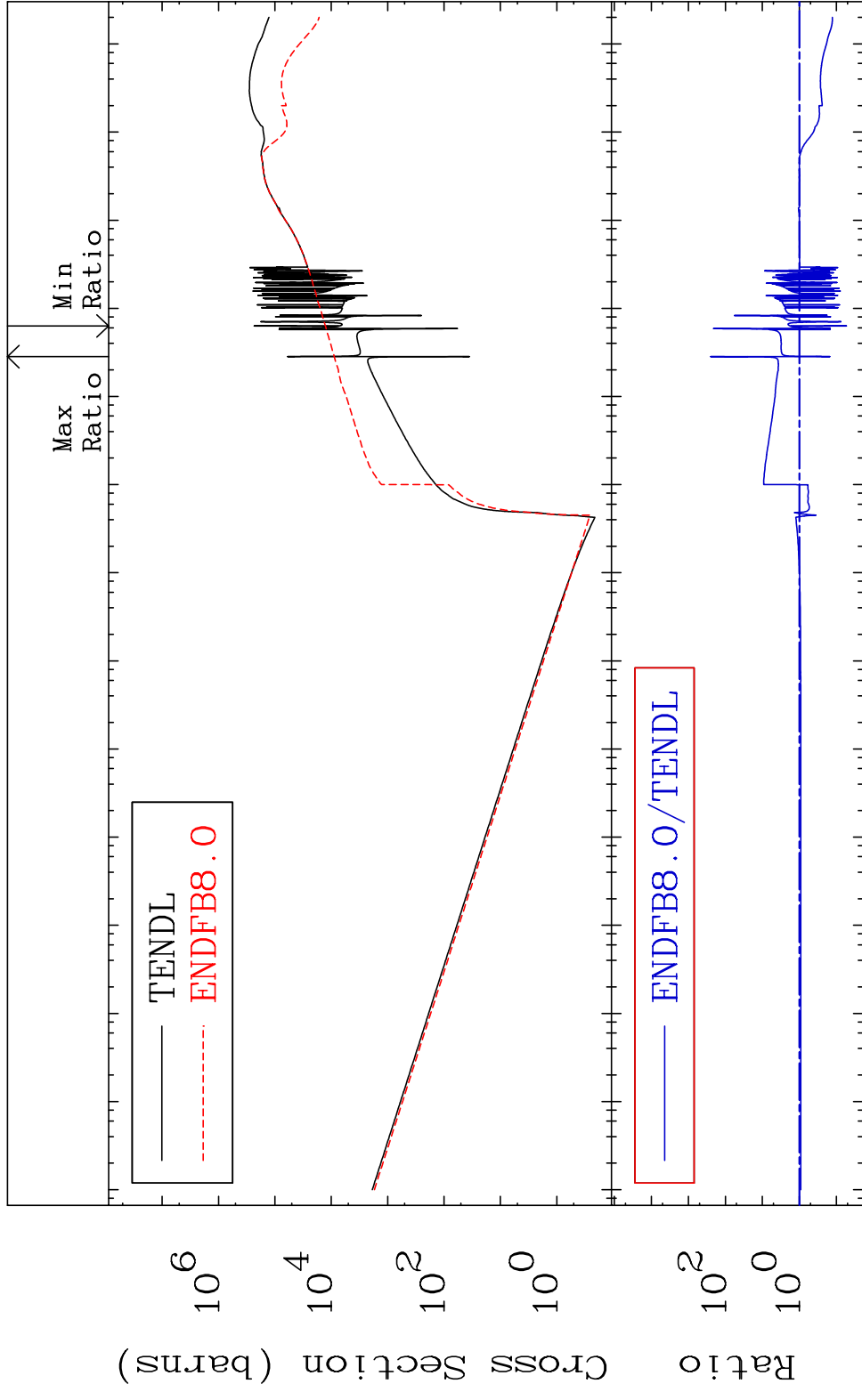


MAT 2043

Dpa total (eV-barns)

20-Ca-46

Cross Section -94.59 To 9999. %

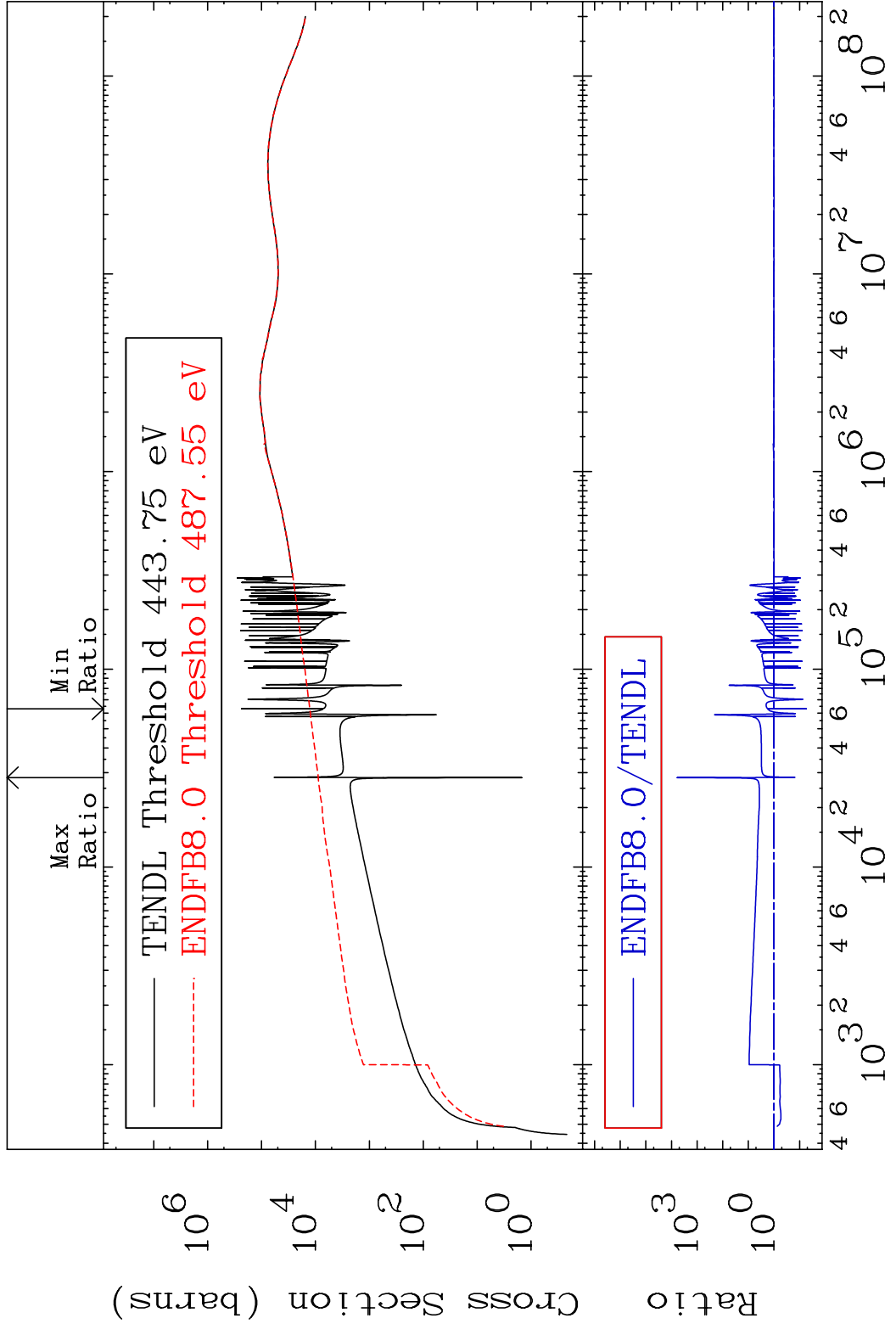


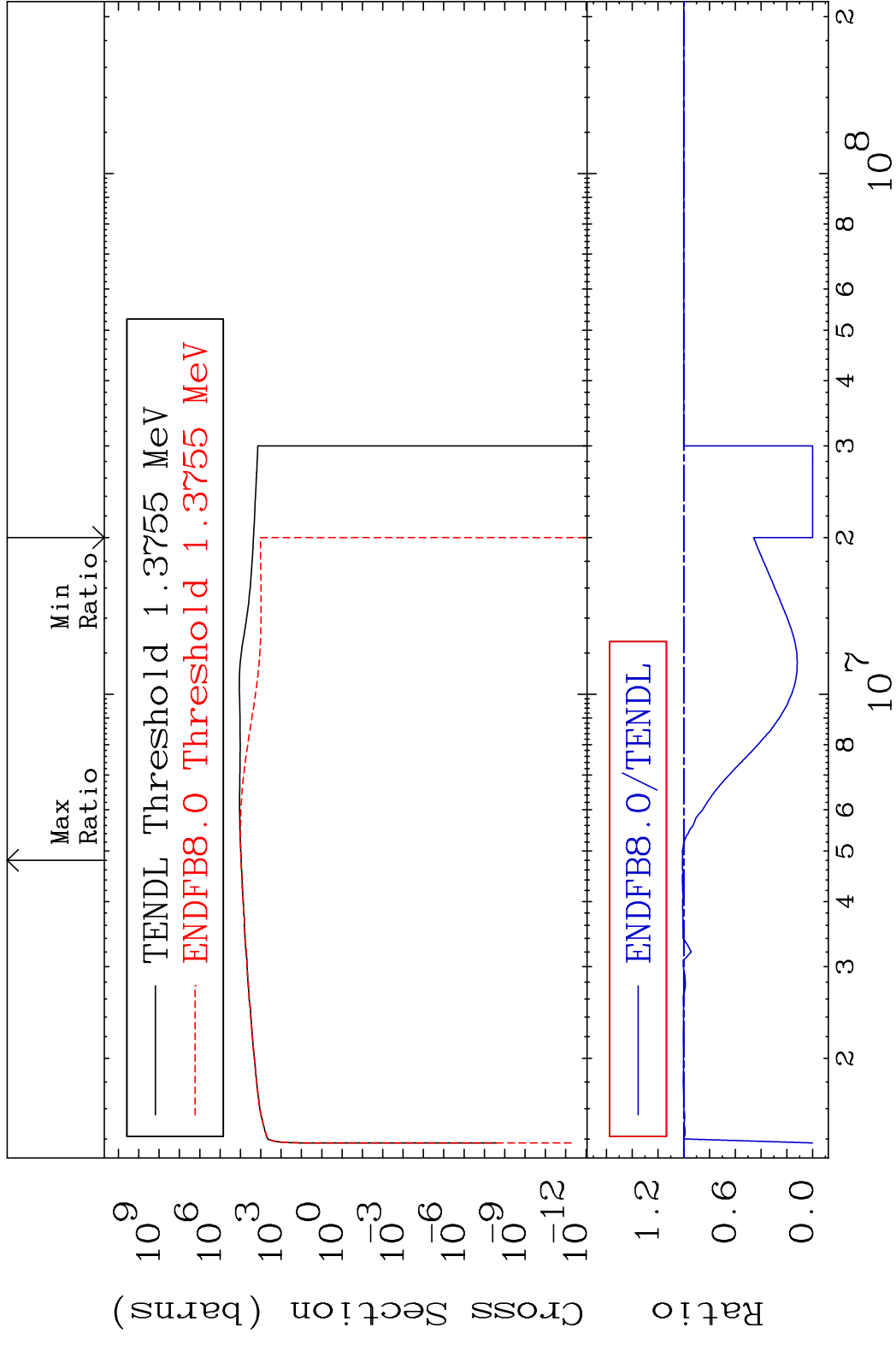
48

Incident Energy (eV)

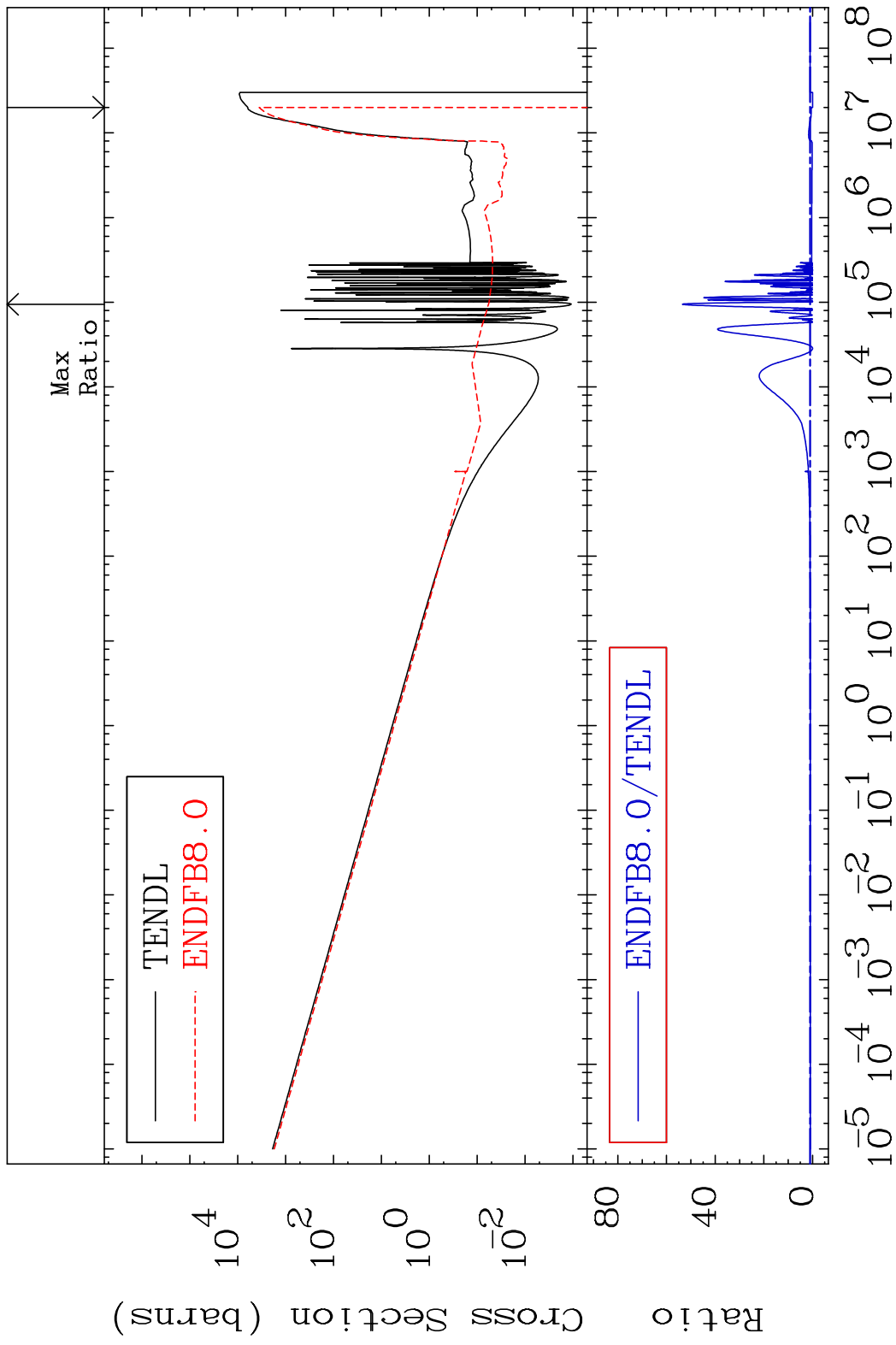
20-Ca-46

MAT 2043 Dpa elastic (mt2) 20-Ca-46  
 Cross Section -94.58 To 9999. %





MAT 2043 Dpa disappearance (mt102 -120) 20-Ca-46  
 Cross Section -100.0 To 5250. %



51 Incident Energy (eV) 20-Ca-46