

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

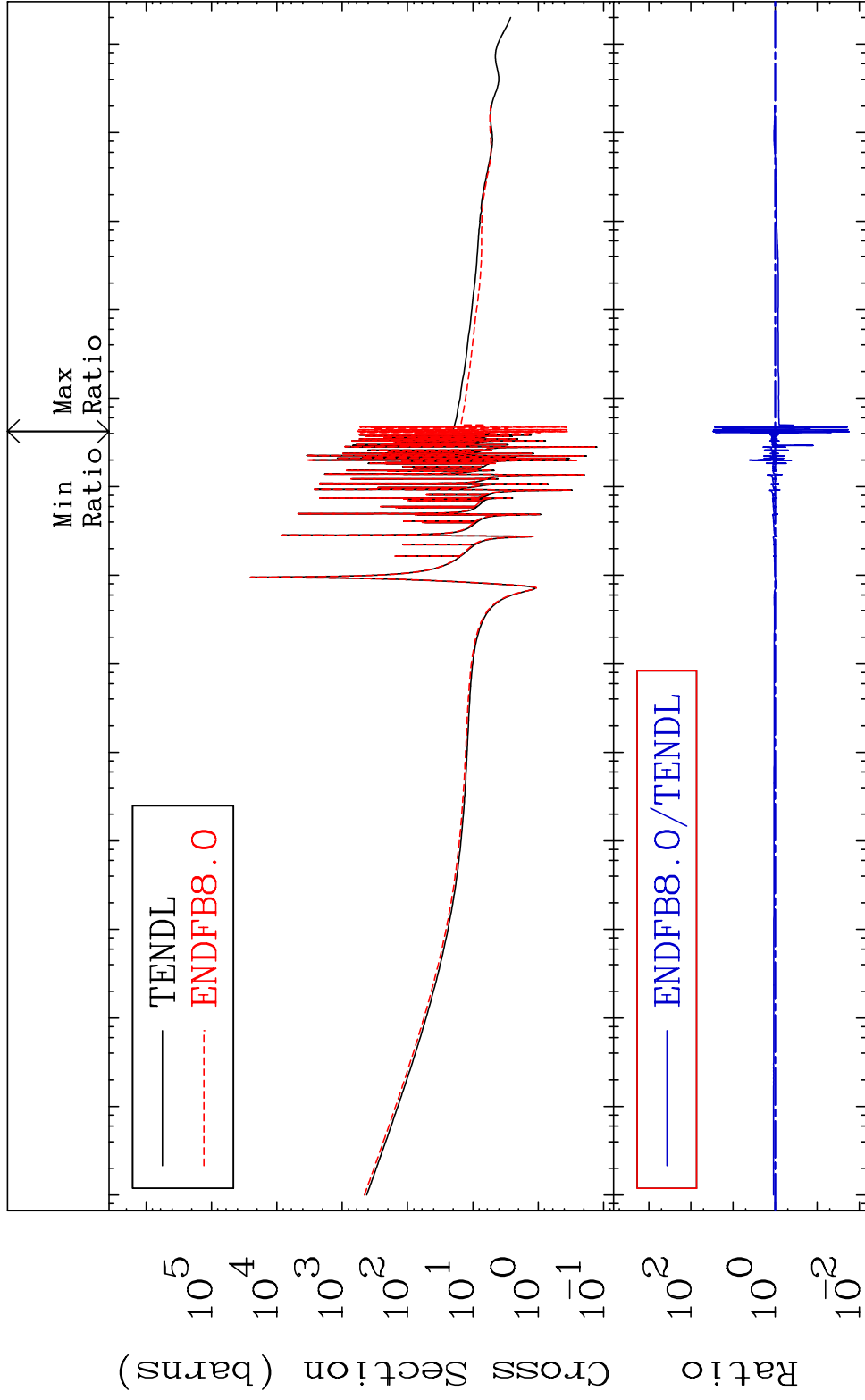
MAT 6849

Total

68-Er-170

Cross Section

-98.27 To 2852. %



1

Incident Energy (eV)

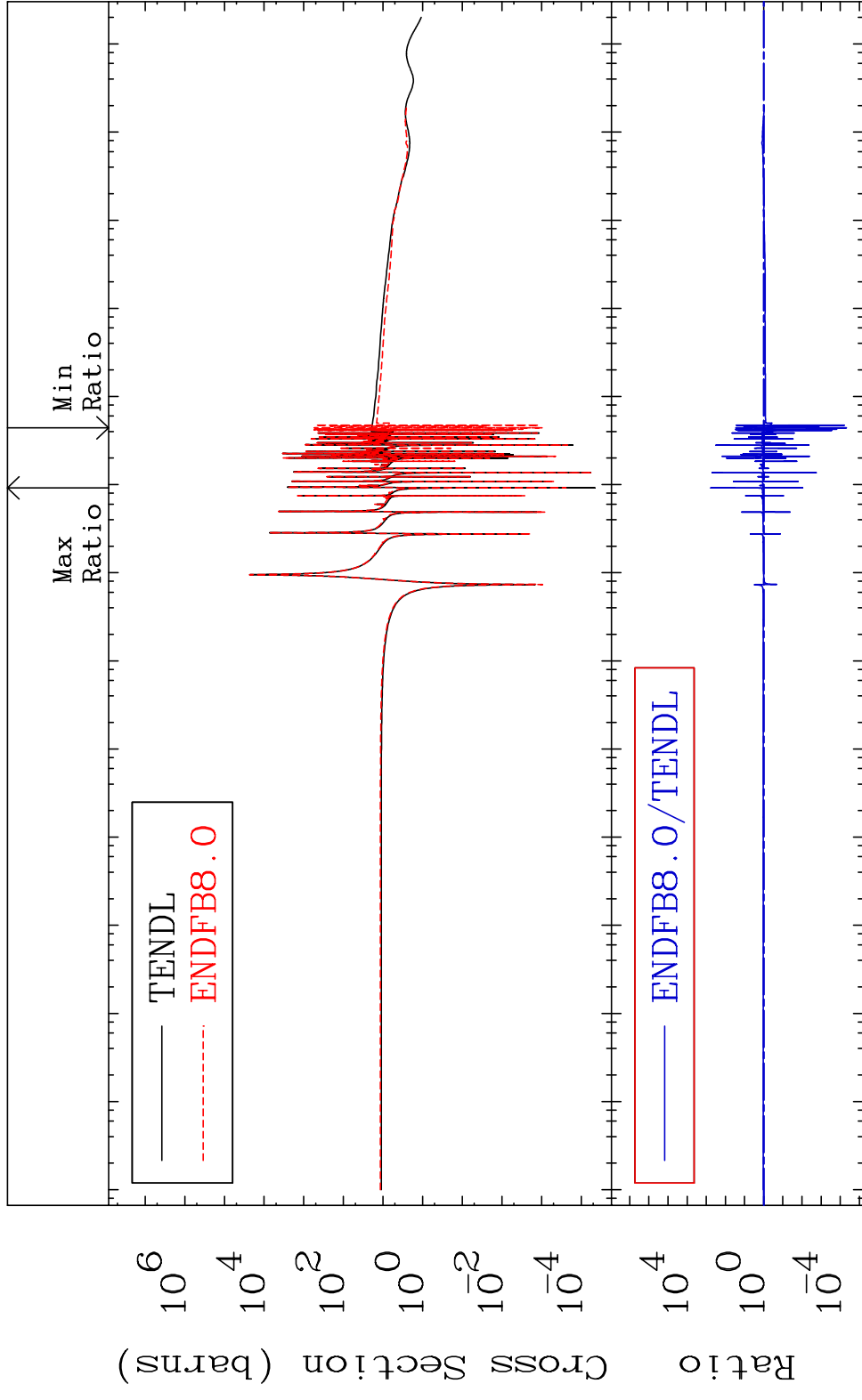
68-Er-170

MAT 6849

Elastic

68-Er-170

Cross Section -100.0 To 9999. %

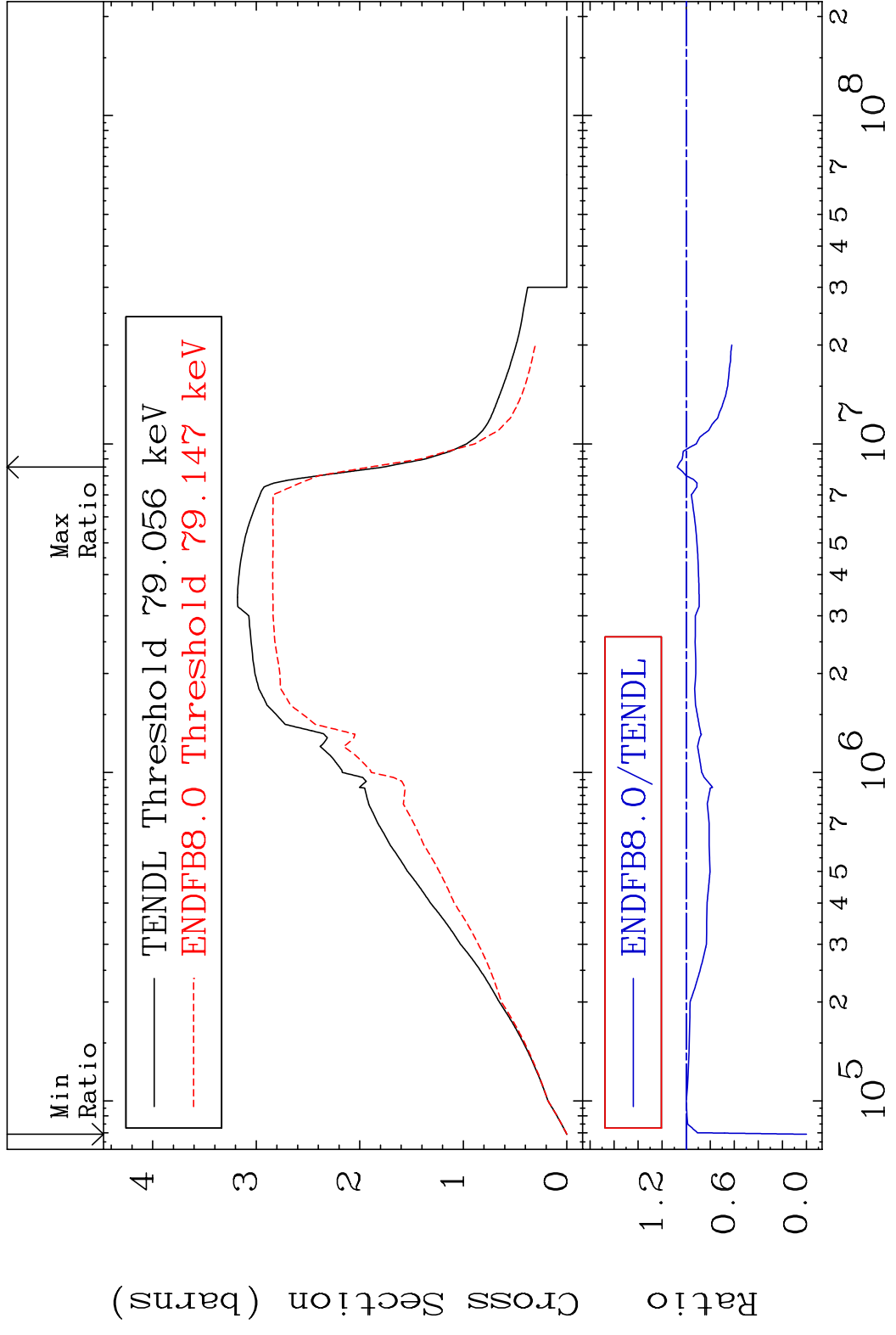


2

Incident Energy (eV)

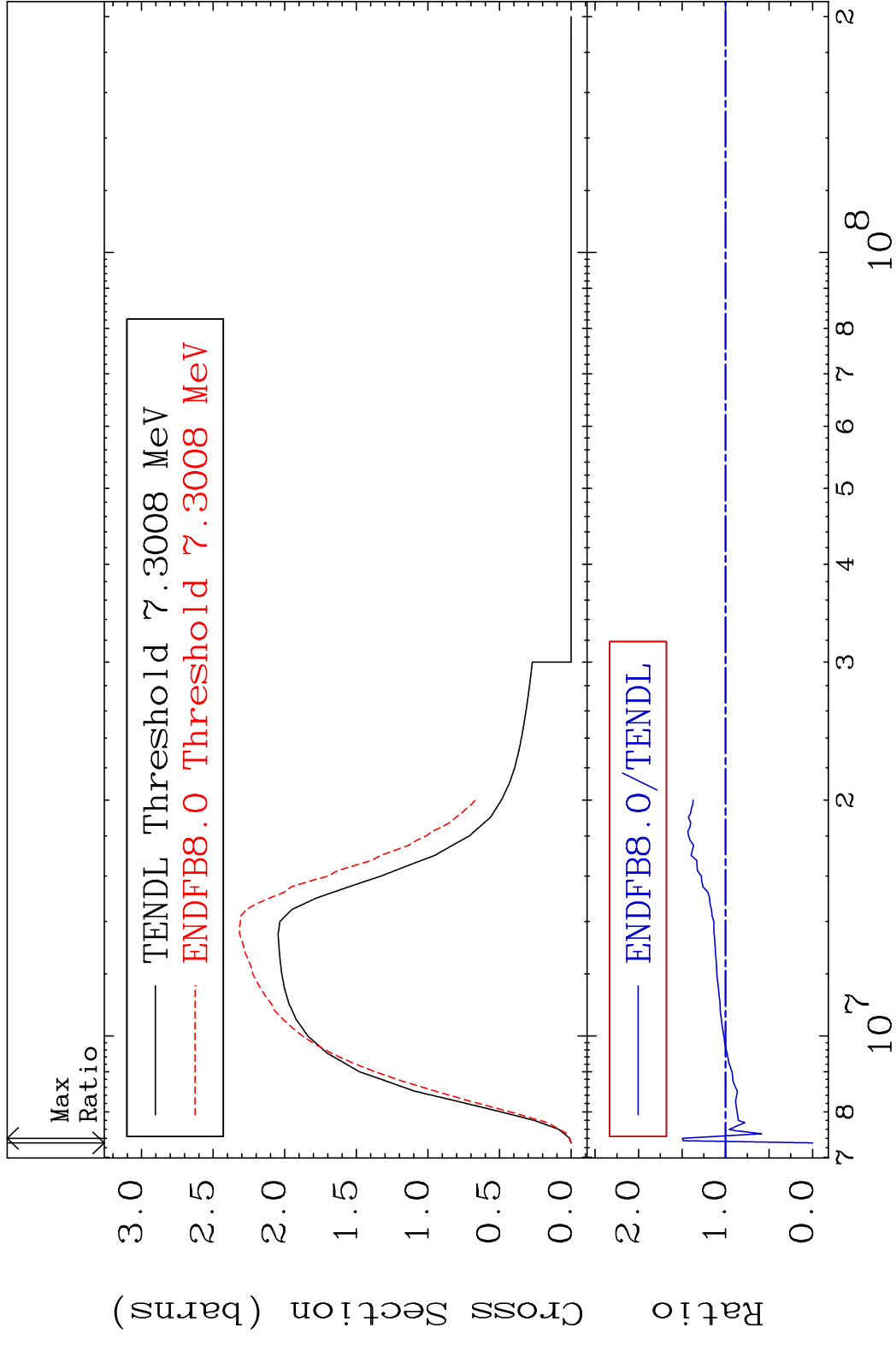
68-Er-170

MAT 6849 Inelastic Cross Section -100.0 To 7.490 % 68-Er-170



3 68-Er-170

MAT 6849 (n,2n) 68-Er-170  
 Cross Section -100.0 To 49.71 %



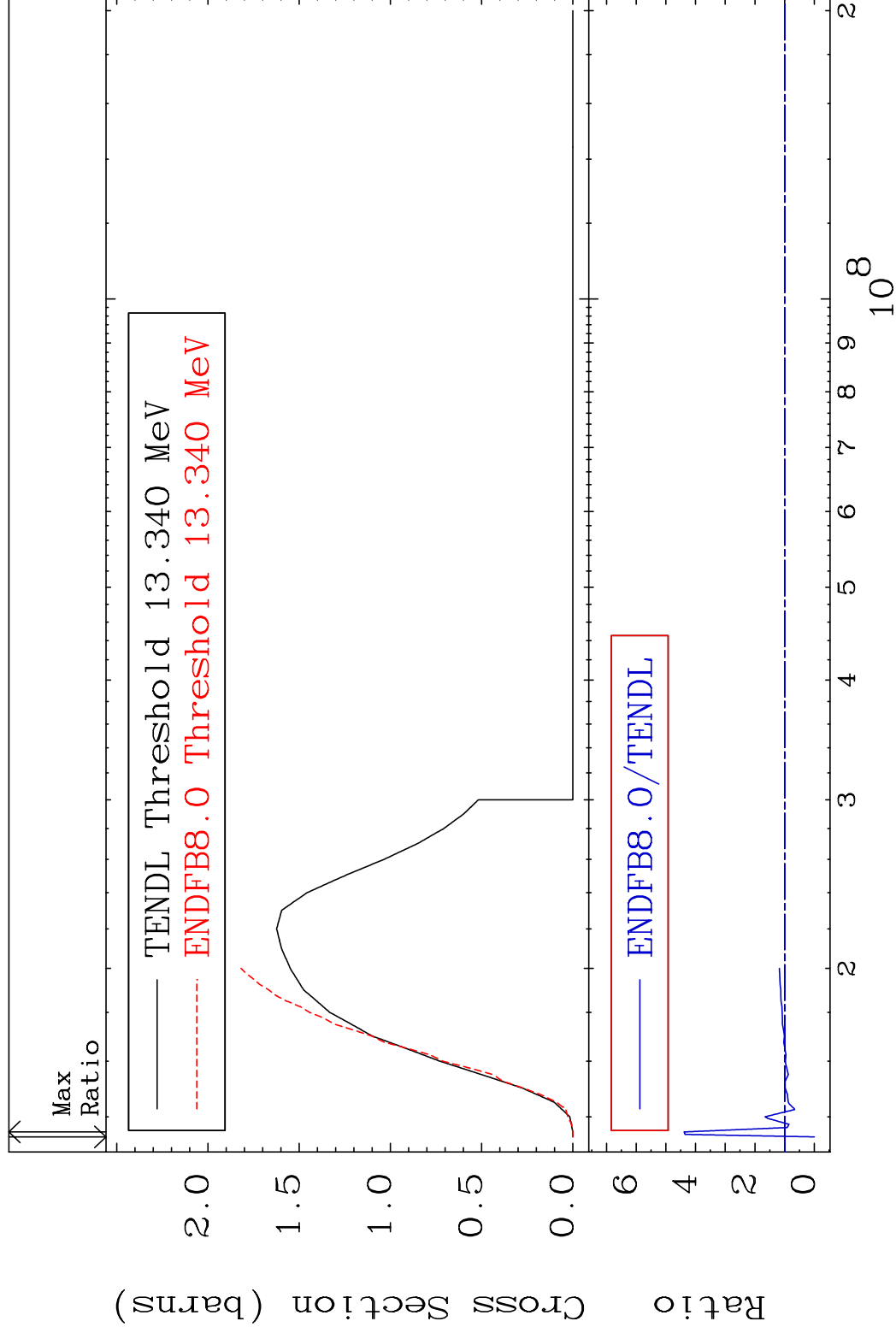
4 Incident Energy (eV) 68-Er-170

MAT 6849

(n,3n)

68-Er-170

Cross Section -100.0 To 338.7 %



5

Incident Energy (eV)

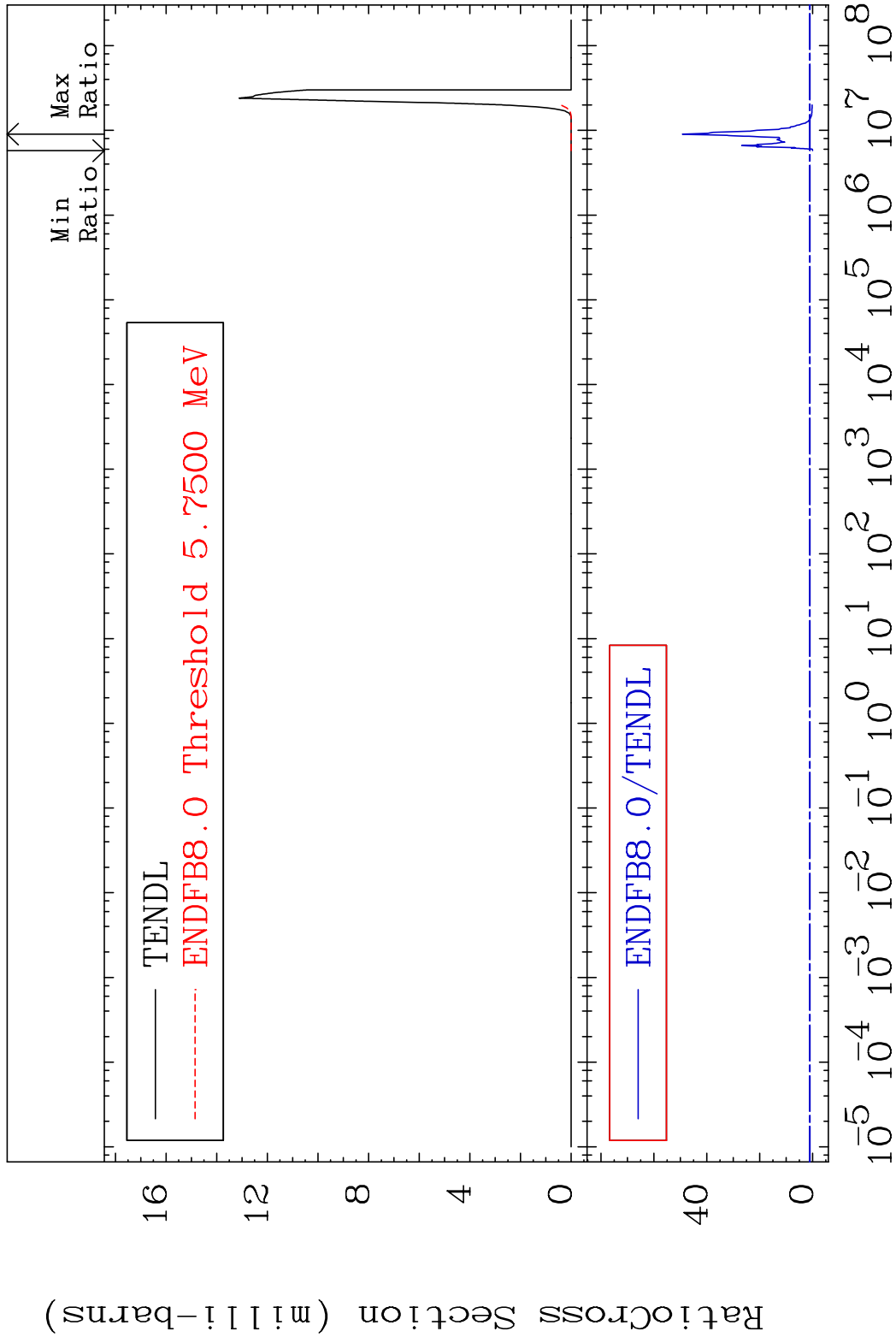
68-Er-170

MAT 6849

(n, n')  $\alpha$

68-Er-170

Cross Section -100.0 To 4823. %

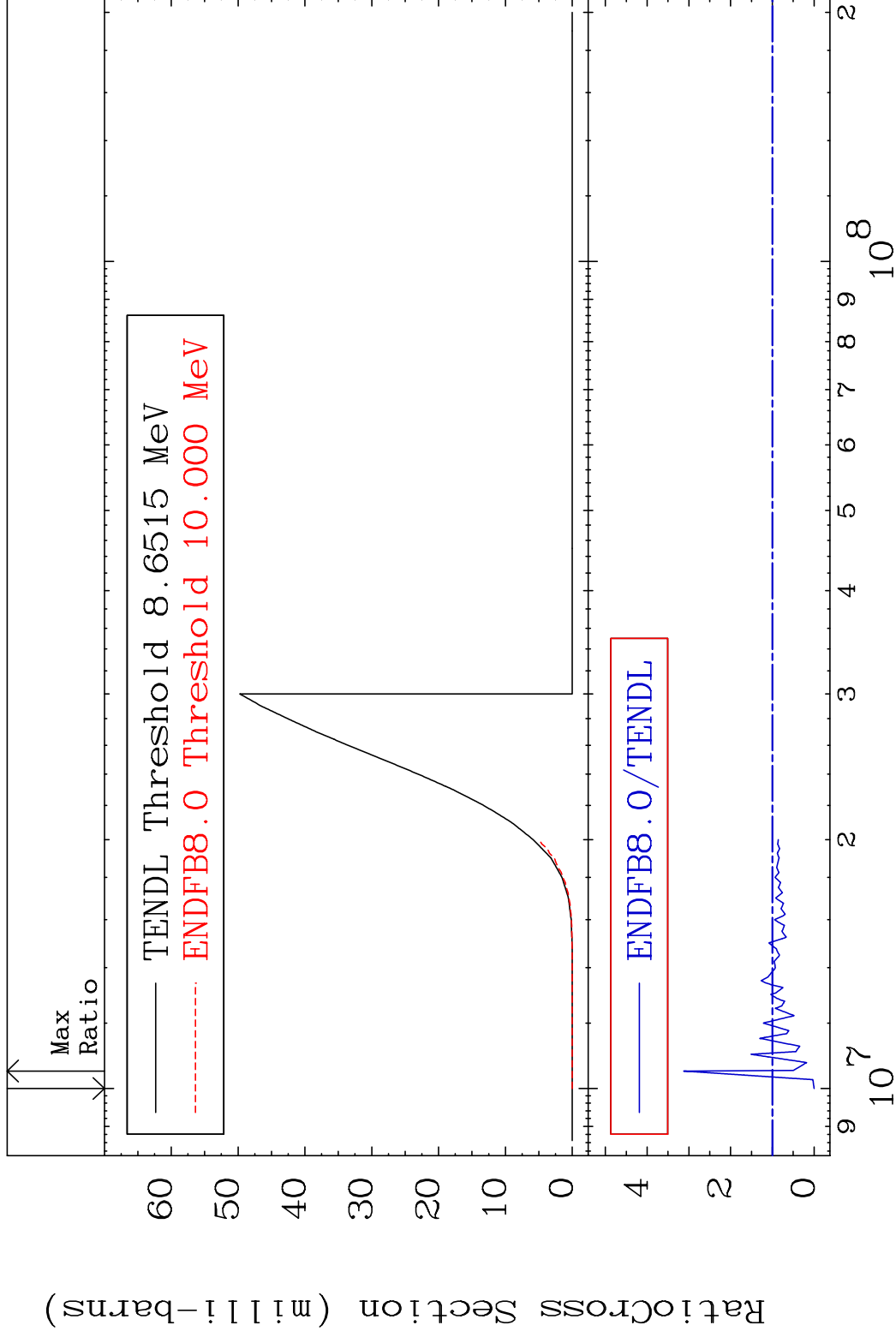


MAT 6849

(n, n') p

68-Er-170

Cross Section -100.0 To 212.5 %



7

Incident Energy (eV)

68-Er-170

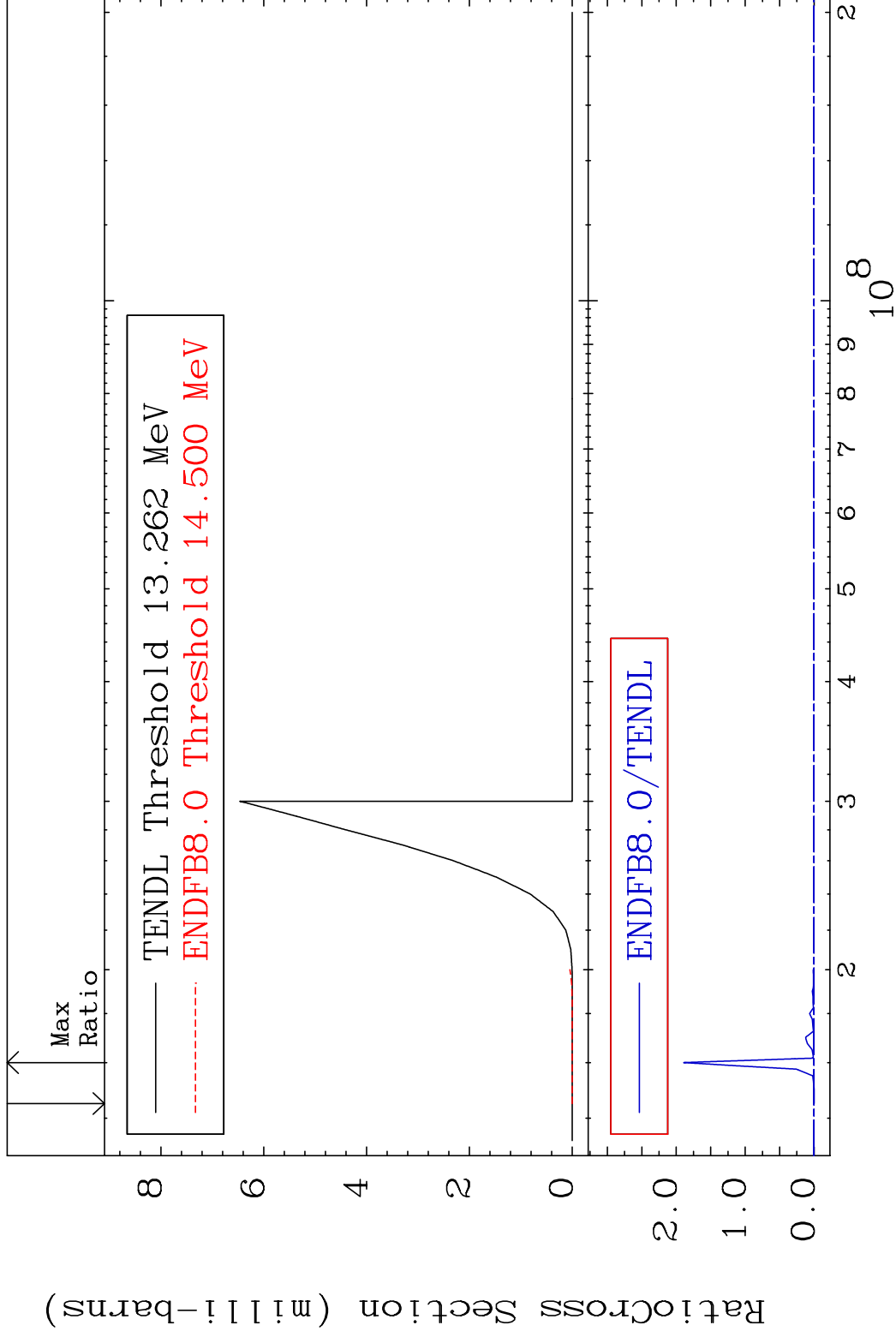


MAT 6849

(n, n') d

68-Er-170

Cross Section -100.0 To 9999. %

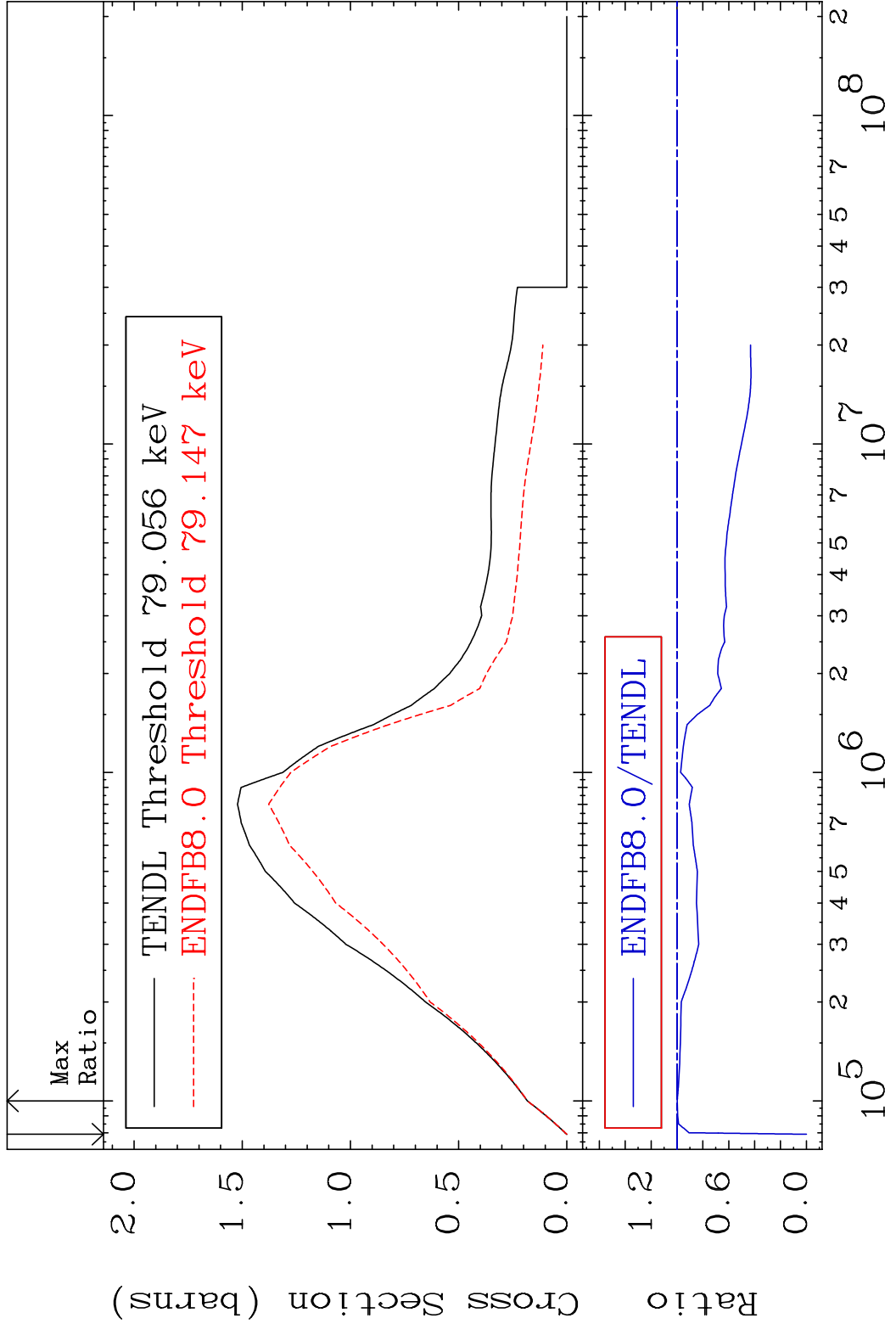


8

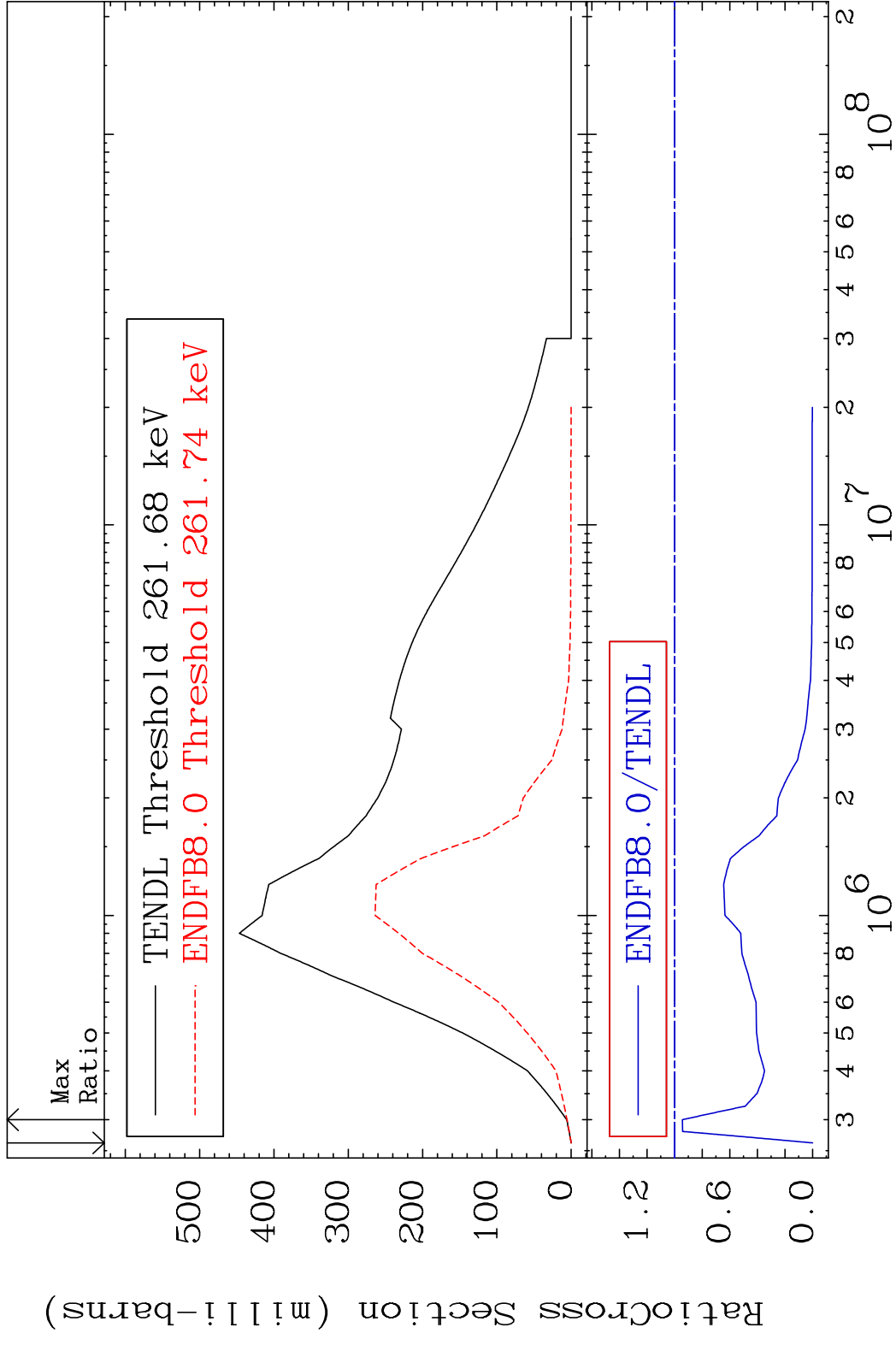
Incident Energy (eV)

68-Er-170

MAT 6849 MT= 51 (n, n') Level 68-Er-170  
 Cross Section -100.0 To -0.160%

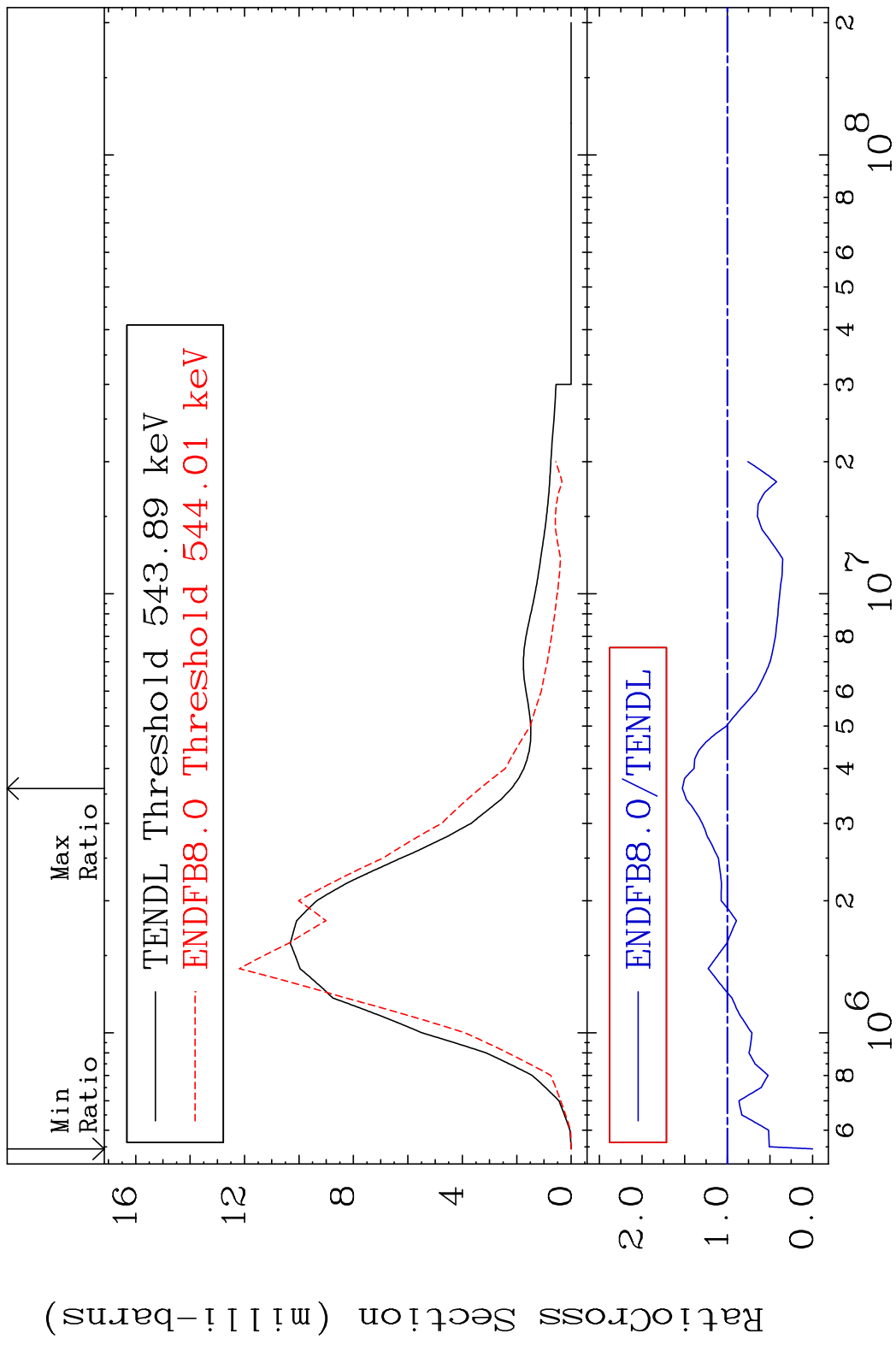


MAT 6849 MT= 52 (n,n') Level 68-Er-170  
 Cross Section -100.0 To -5.655%

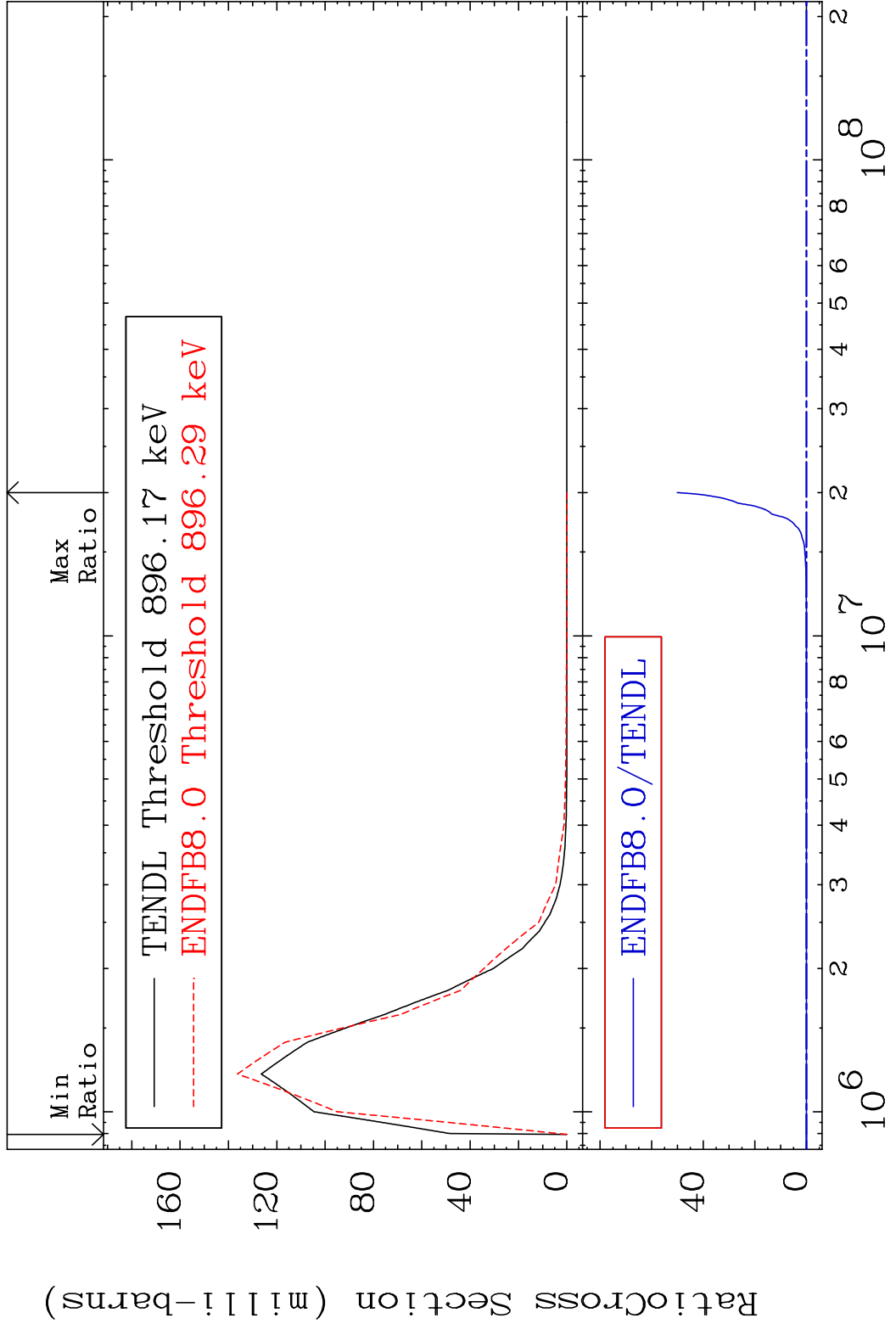


10 Incident Energy (eV) 68-Er-170

MAT 6849 MT= 53 (n, n') Level 68-Er-170  
 Cross Section -100.0 To 52.75 %

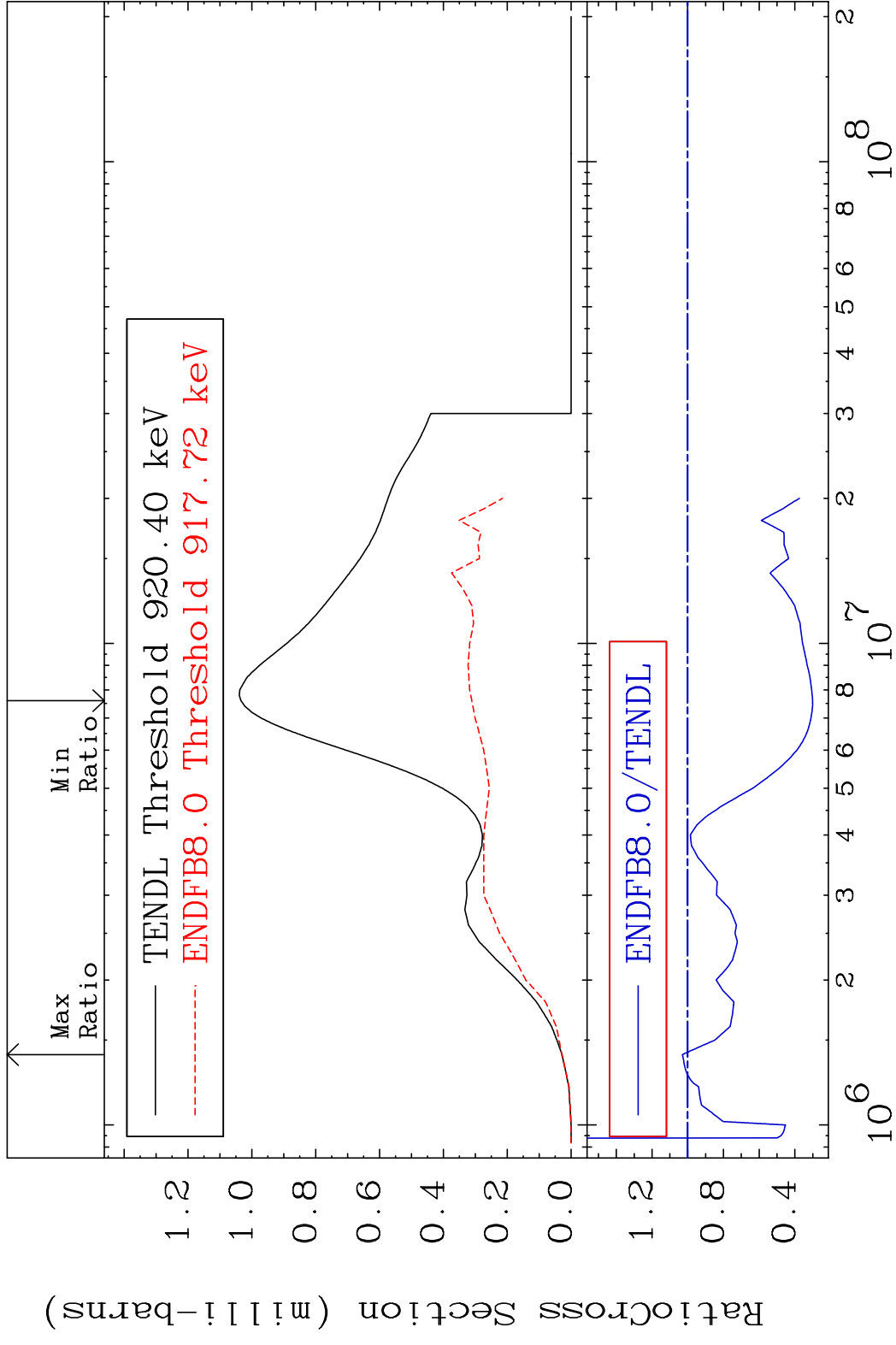


MAT 6849 MT= 54 (n, n') Level 68-Er-170  
 Cross Section -100.0 To 9999. %



12 68-Er-170

MAT 6849 MT= 55 (n, n') Level 68-Er-170  
 Cross Section -69.91 To 3.010 %



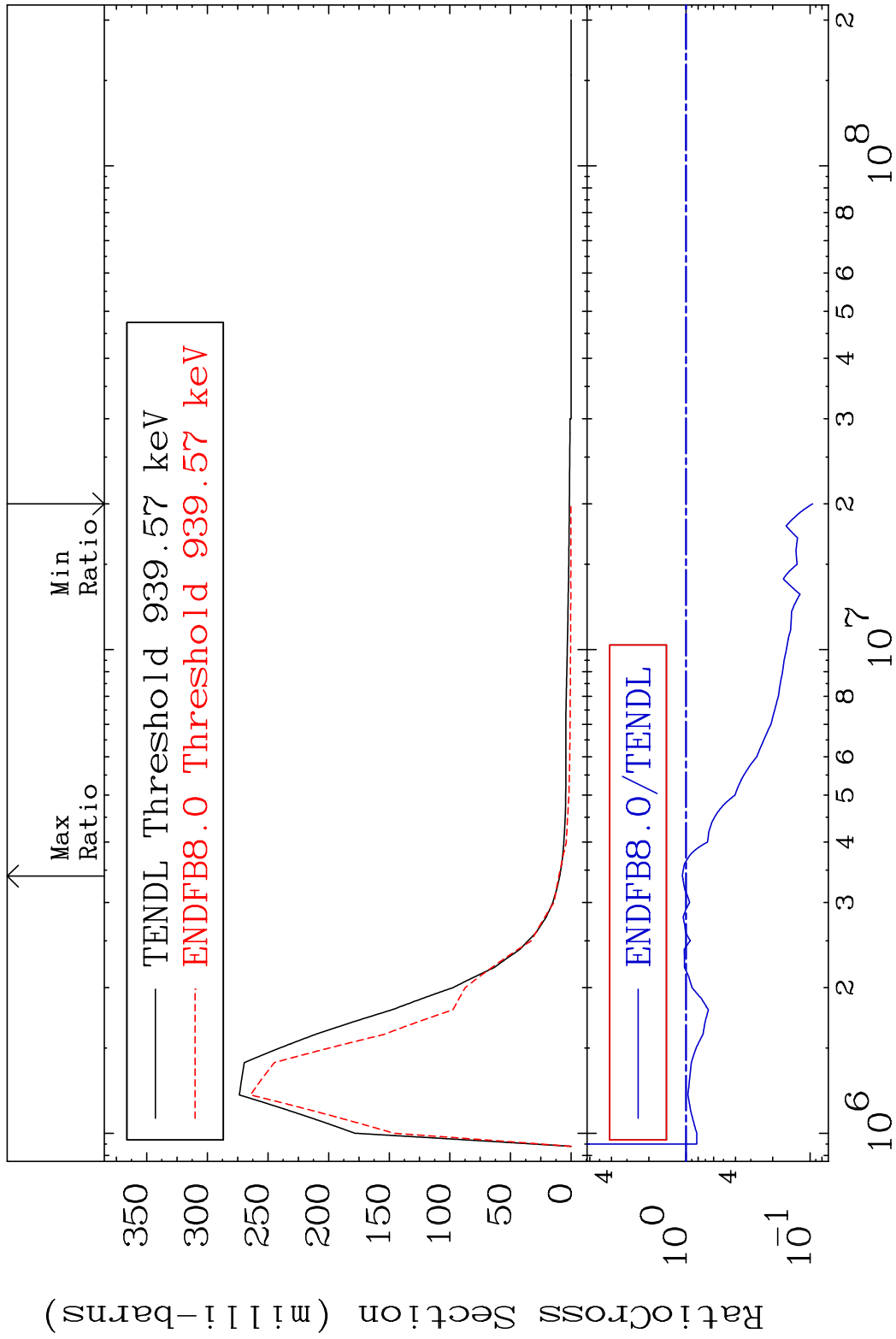
13 Incident Energy (eV) 68-Er-170

MAT 6849

MT= 56 (n, n') Level

68-Er-170

Cross Section -90.46 To 7.263 %



14

Incident Energy (eV)

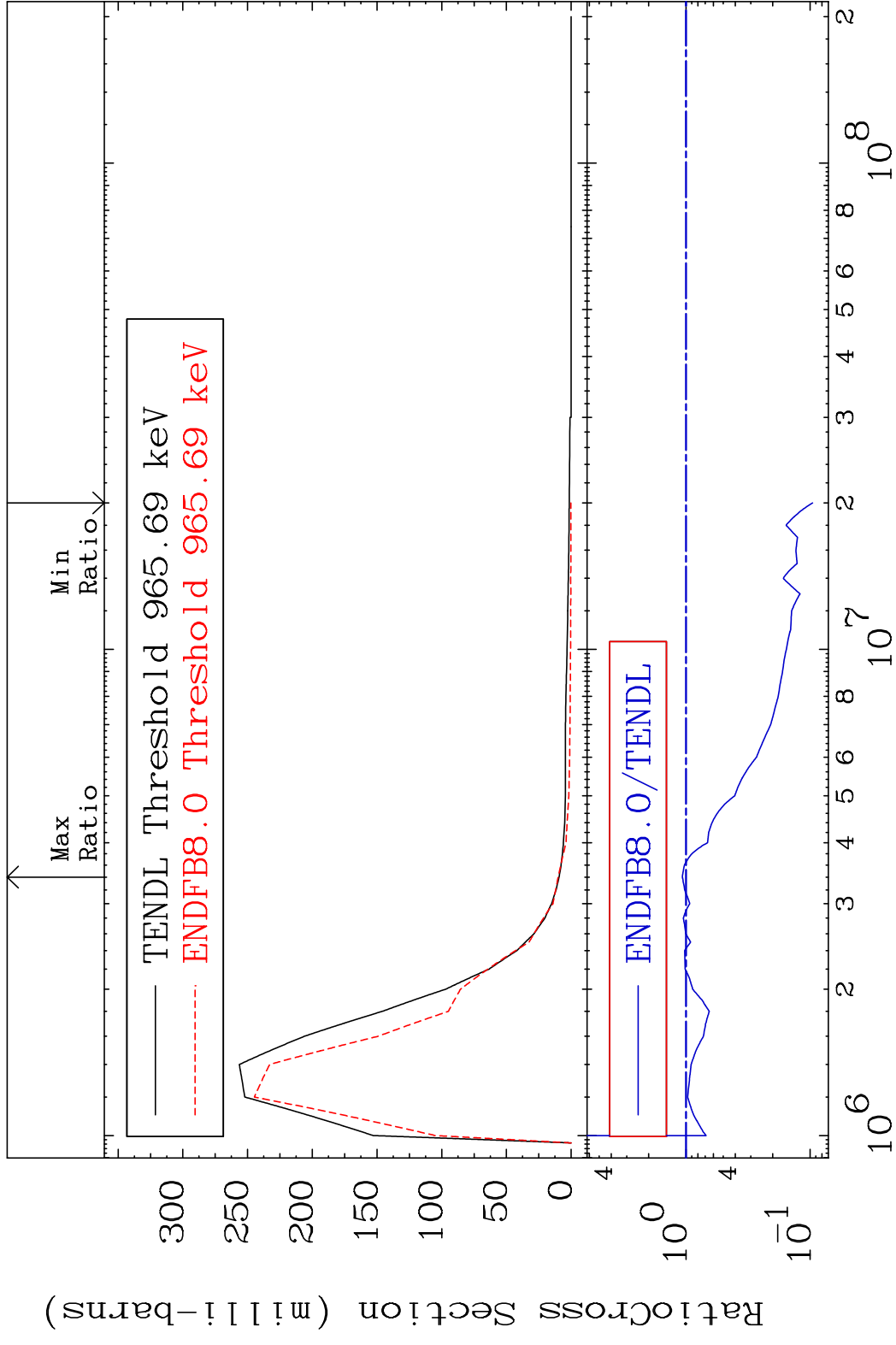
68-Er-170

MAT 6849

MT= 57 (n, n') Level

68-Er-170

Cross Section -90.46 To 6.952 %



15

Incident Energy (eV)

68-Er-170

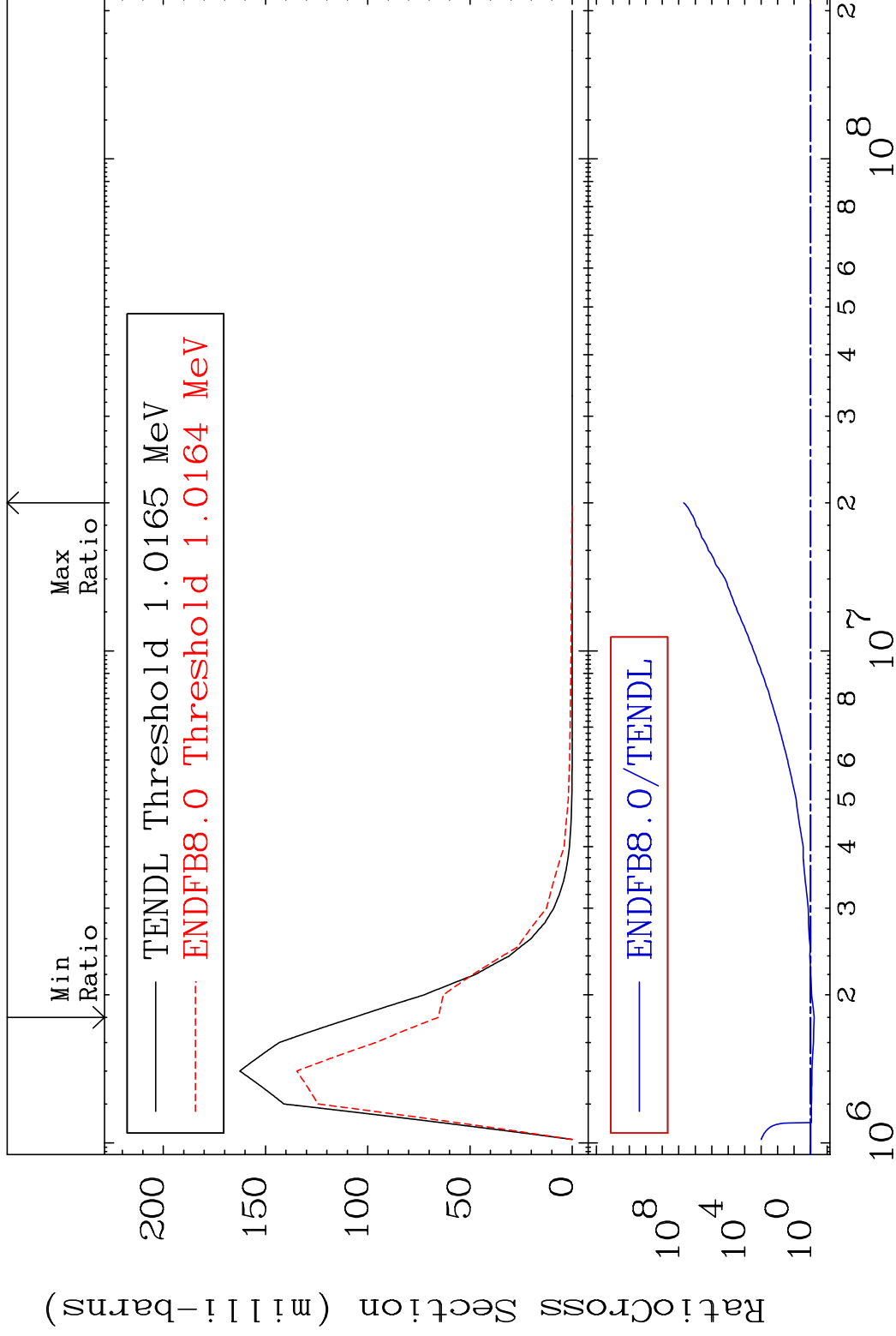


MAT 6849

MT= 58 (n, n') Level

68-Er-170

Cross Section -38.60 To 9999. %

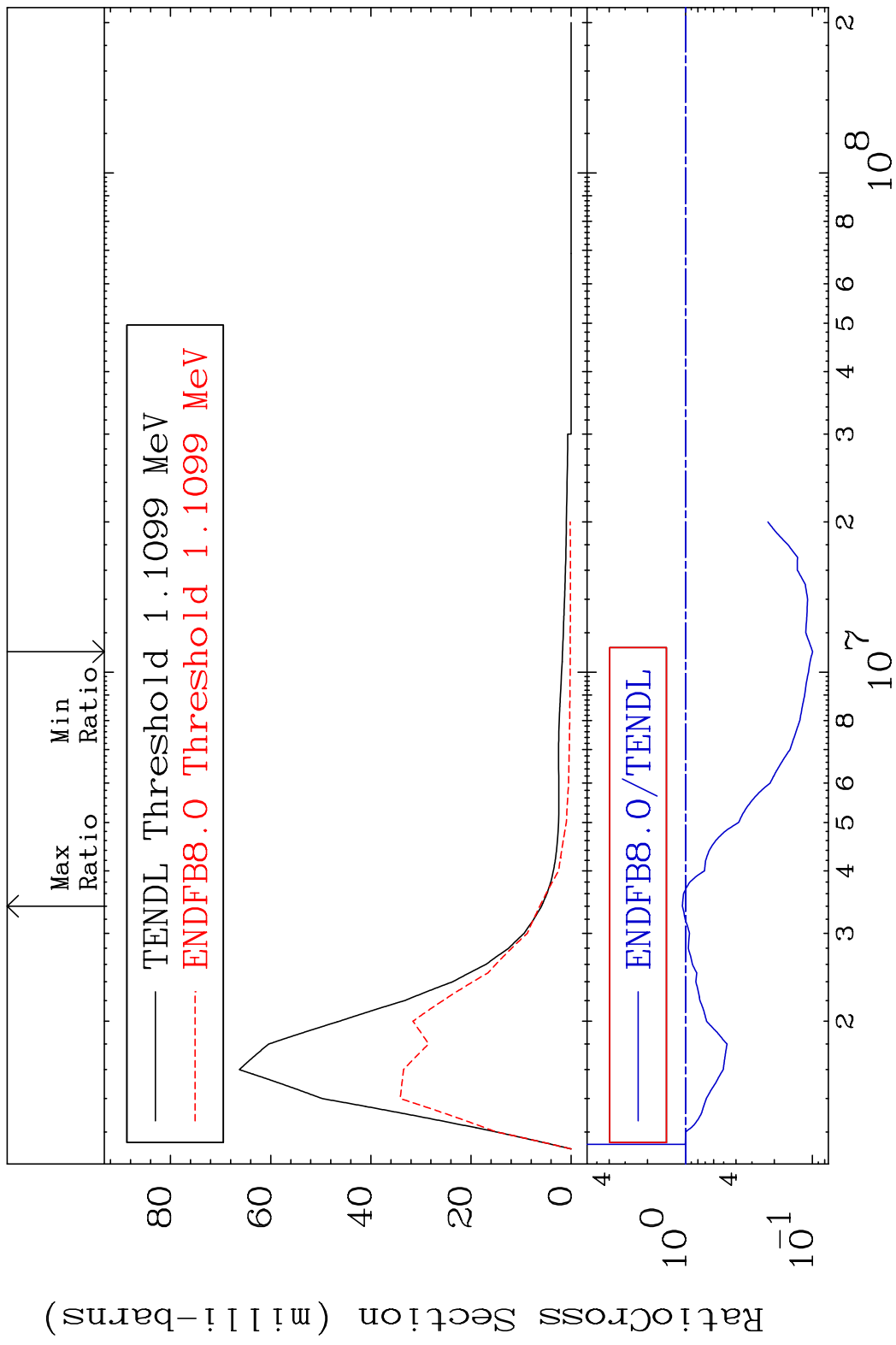


16

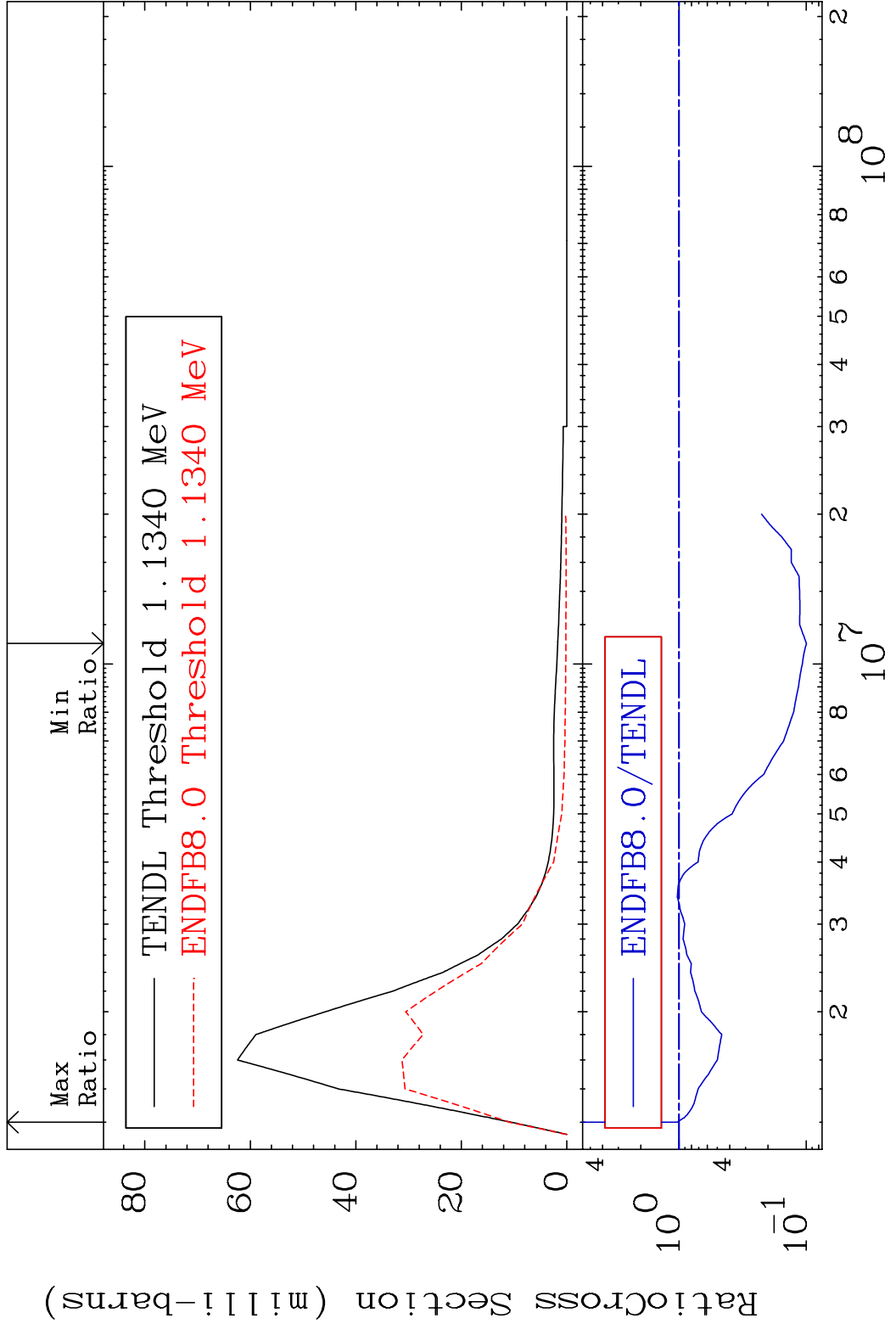
Incident Energy (eV)

68-Er-170

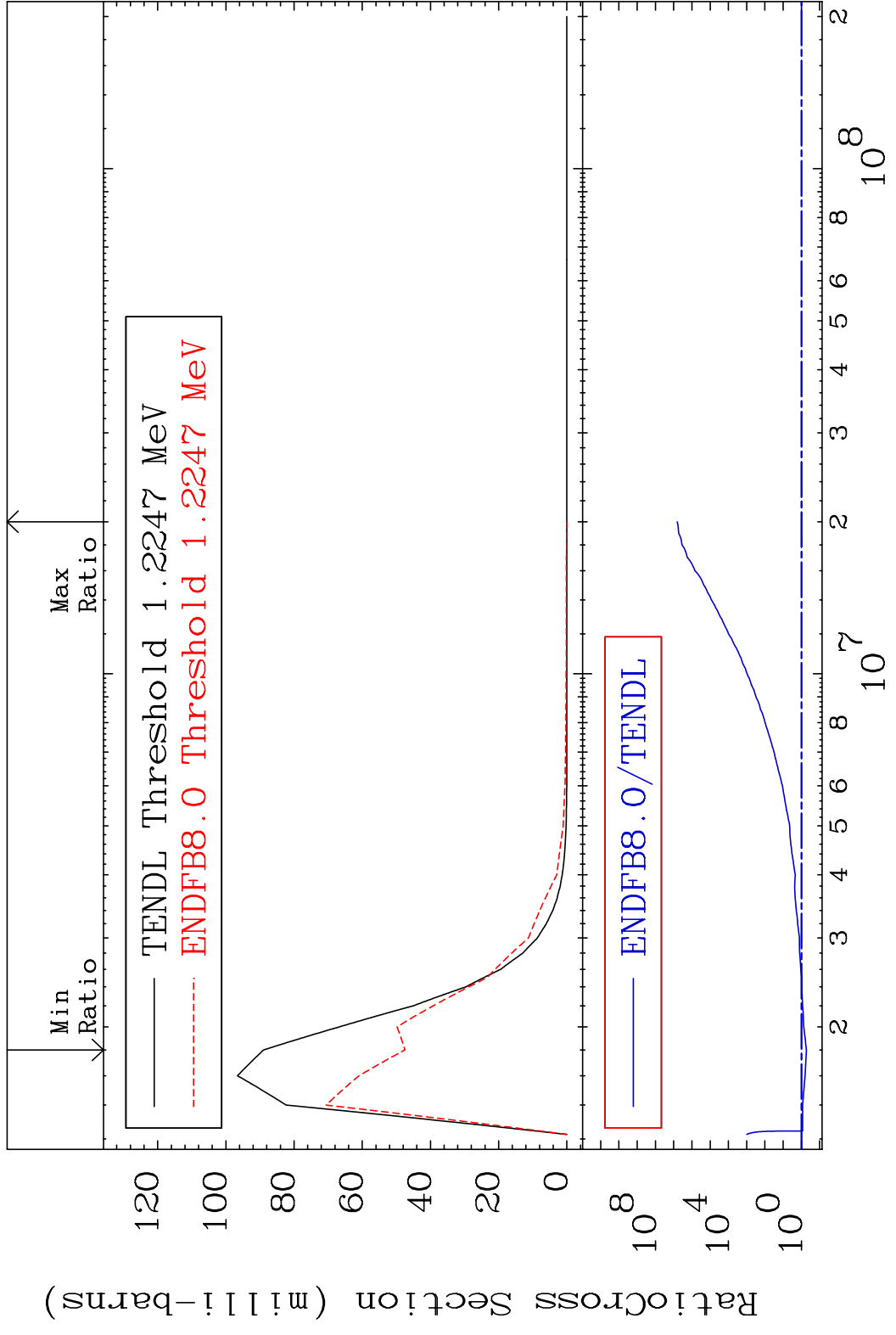
MAT 6849 MT= 59 (n, n') Level 68-Er-170  
 Cross Section -90.02 To 6.016 %



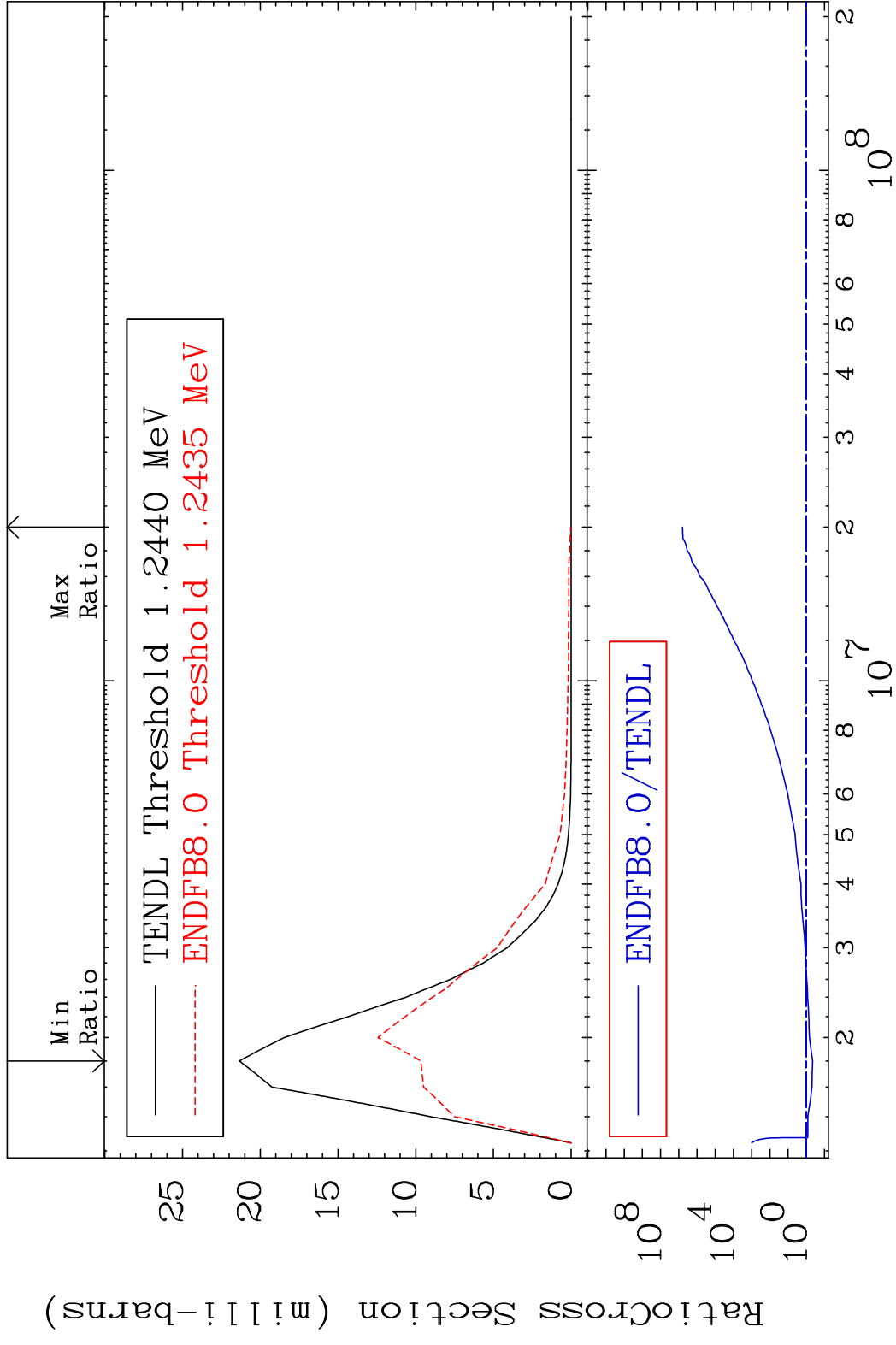
MAT 6849 MT= 60 (n, n') Level 68-Er-170  
 Cross Section -90.02 To 3.548 %



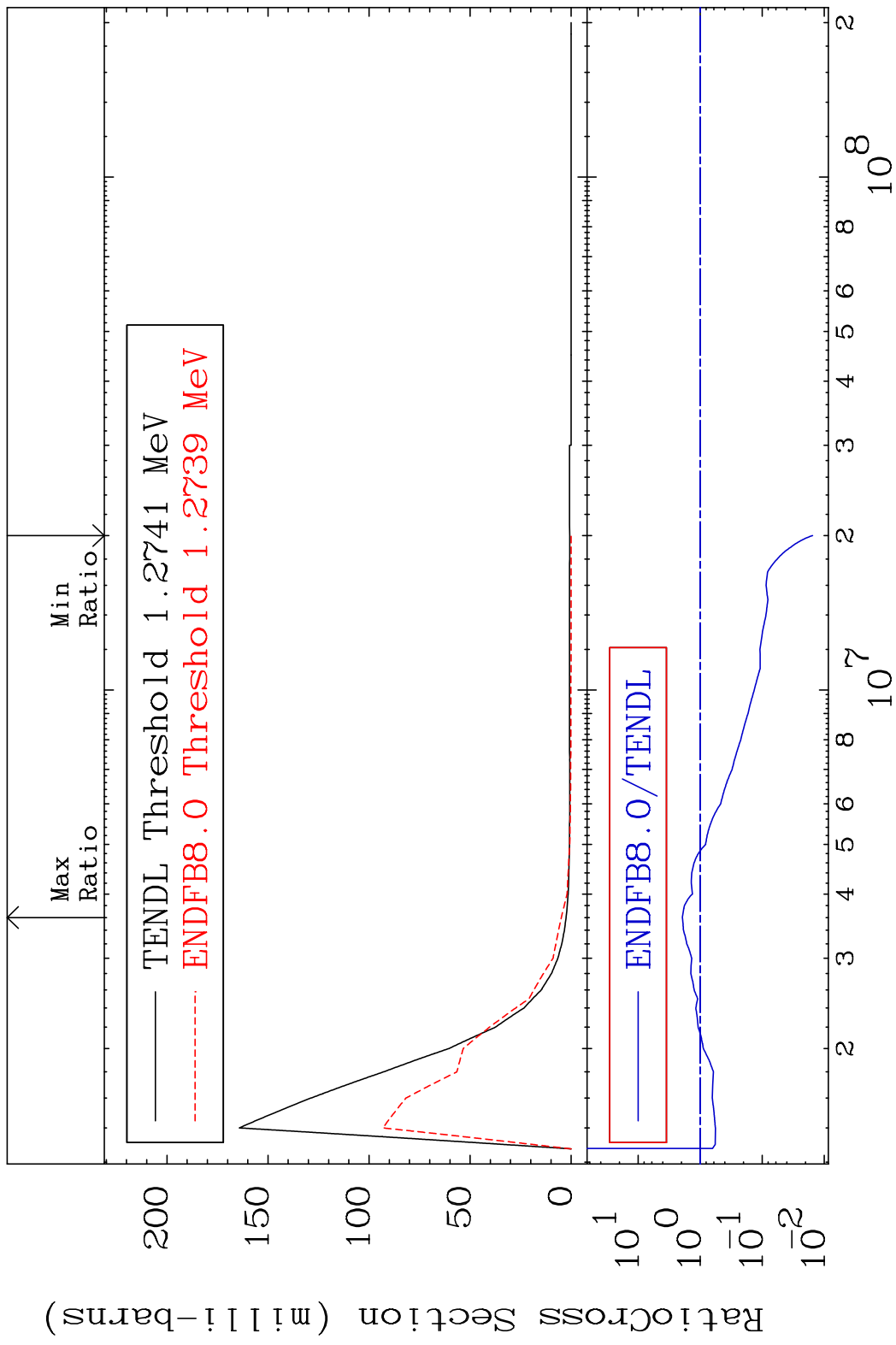
MAT 6849 MT= 61 (n, n') Level 68-Er-170  
 Cross Section -46.65 To 9999. %



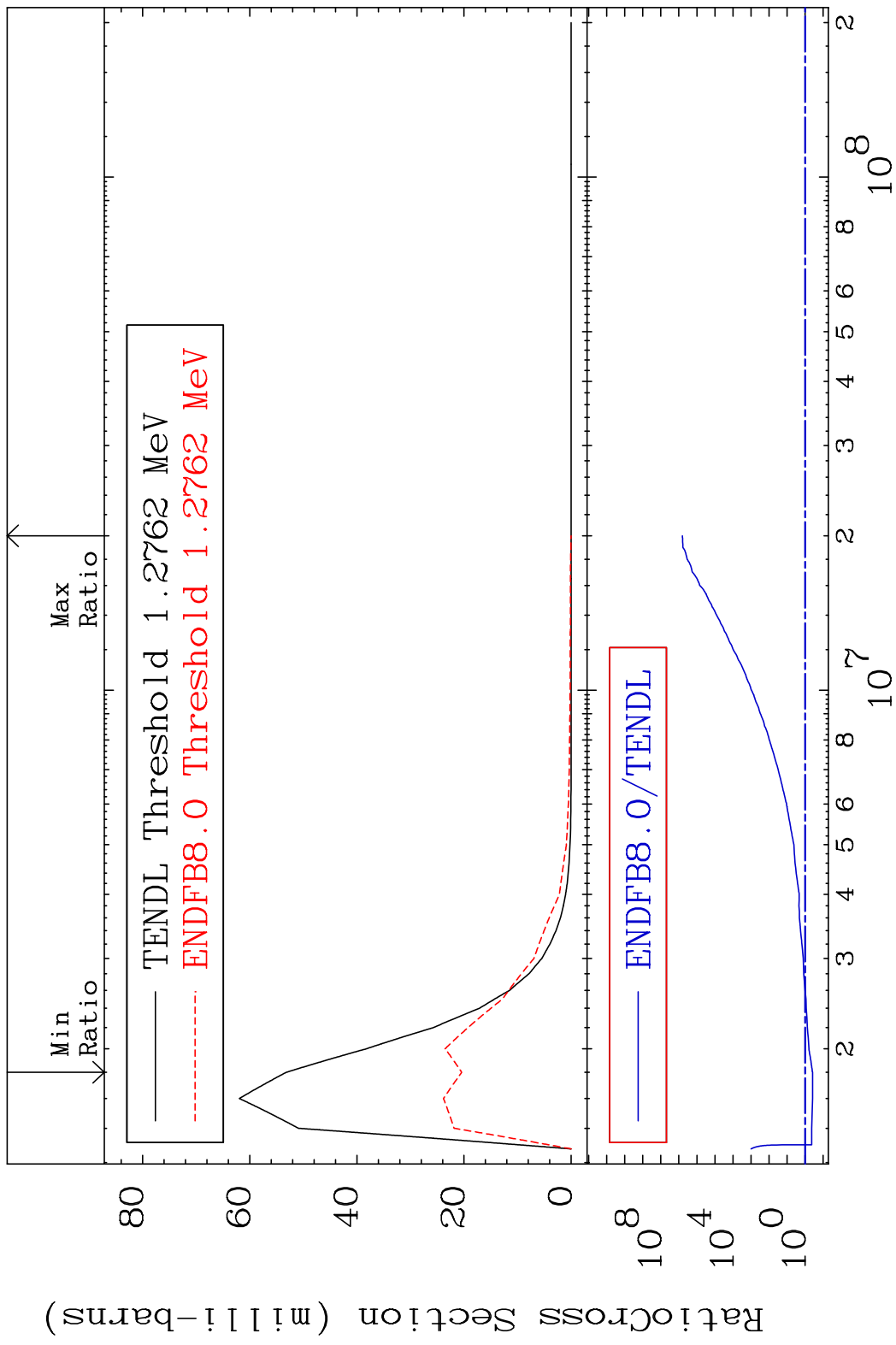
MAT 6849 MT= 62 (n, n') Level 68-Er-170  
 Cross Section -54.68 To 9999. %



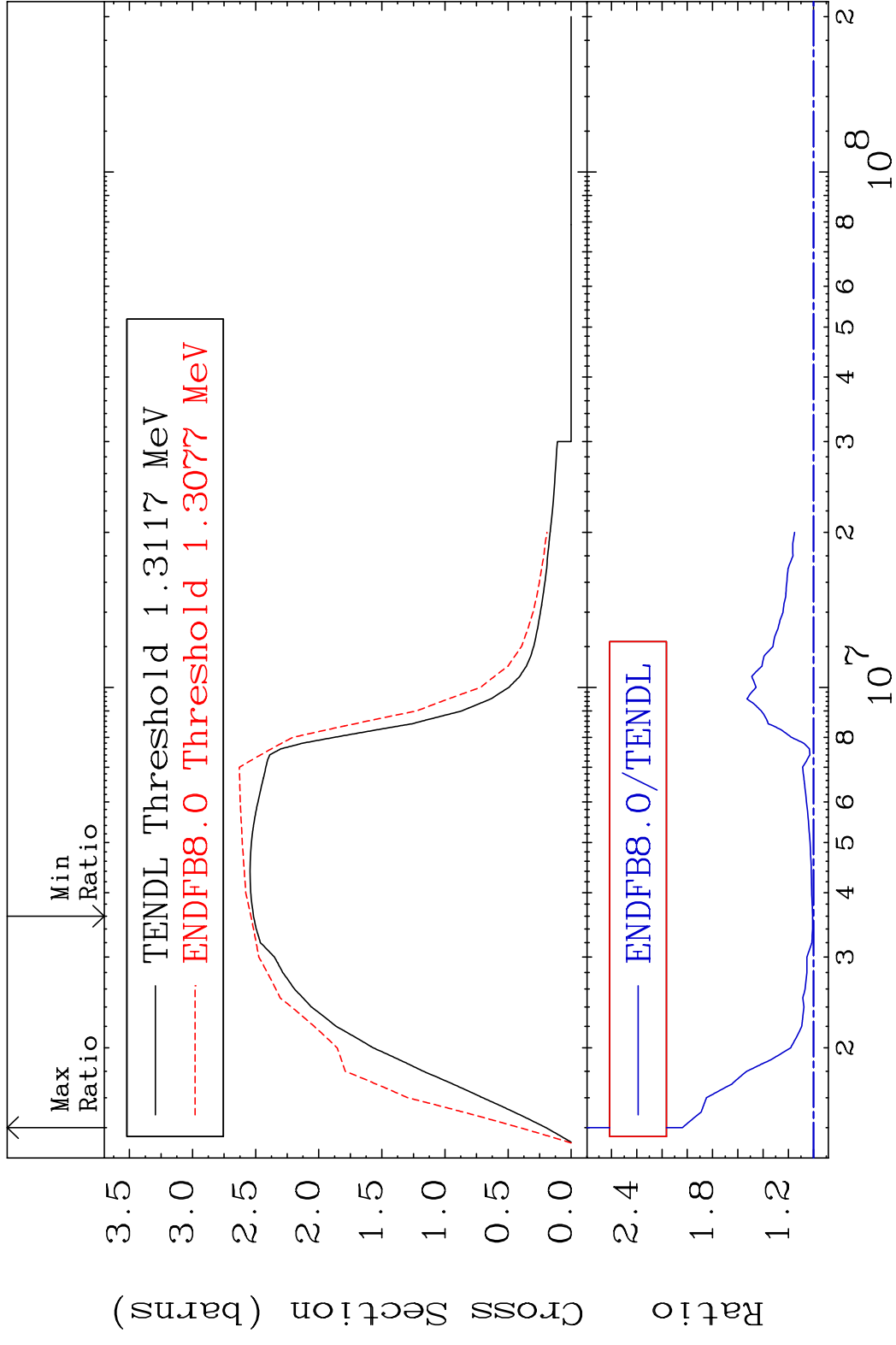
MAT 6849 MT= 63 (n, n') Level 68-Er-170  
 Cross Section -98.46 To 93.16 %



MAT 6849 MT= 64 (n, n') Level 68-Er-170  
 Cross Section -61.58 To 9999. %



MAT 6849 (n, n') Continuum 68-Er-170  
 Cross Section 0.822 To 103.9 %



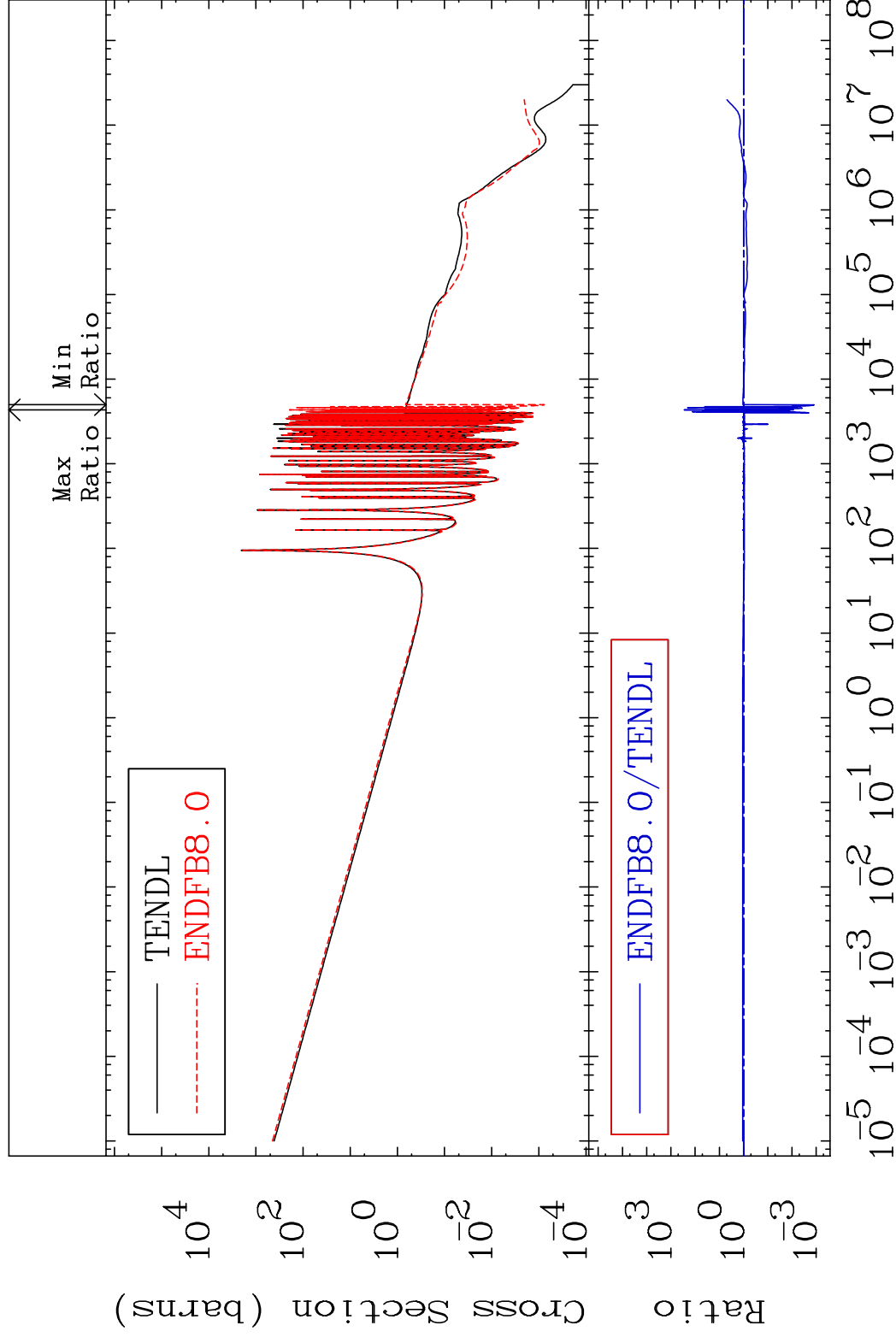


MAT 6849

(n,  $\gamma$ )

68-Er-170

Cross Section -99.88 To 9999. %



24

Incident Energy (eV)

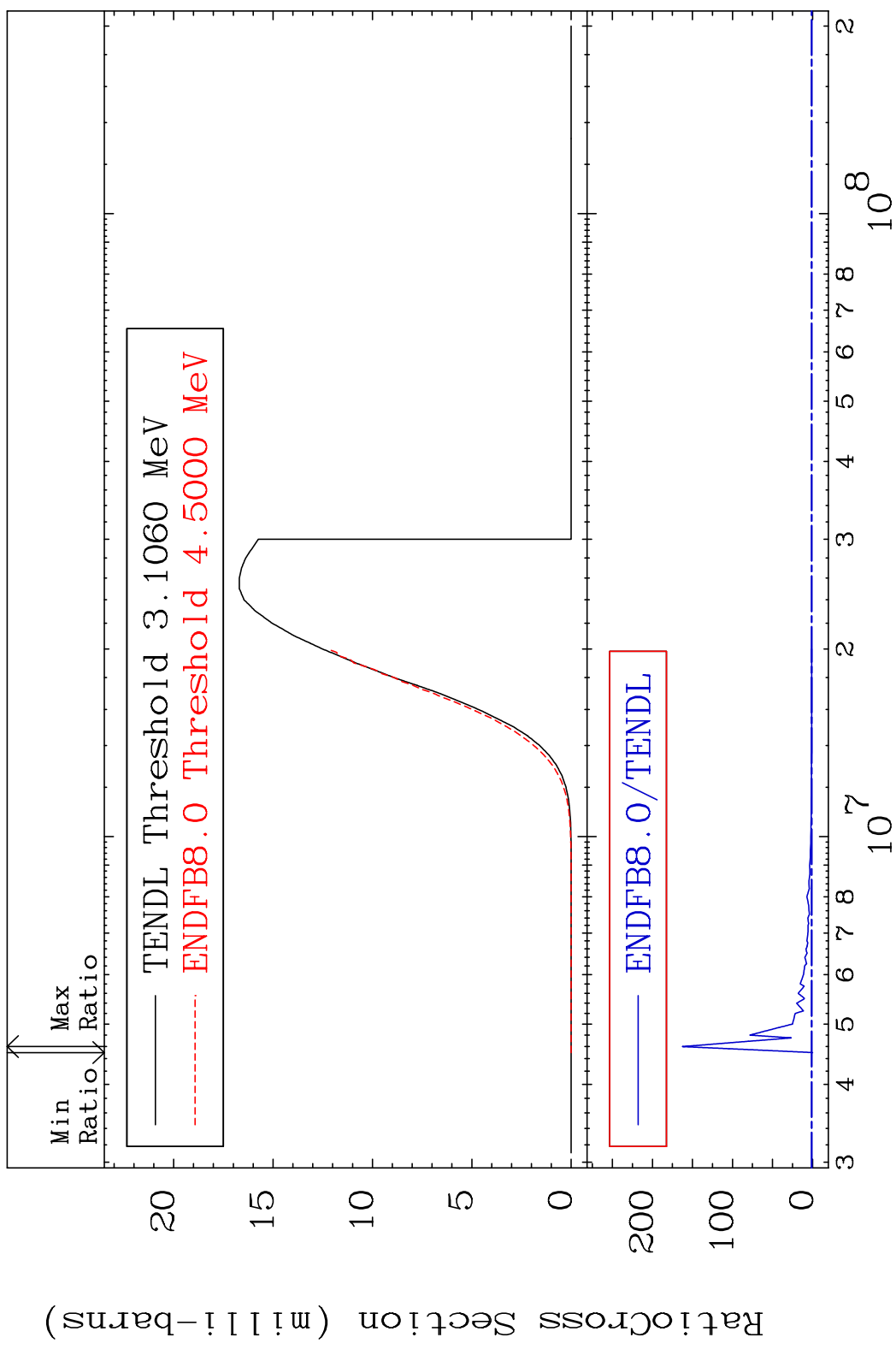
68-Er-170

MAT 6849

(n, p)

68-Er-170

Cross Section -100.0 To 9999. %

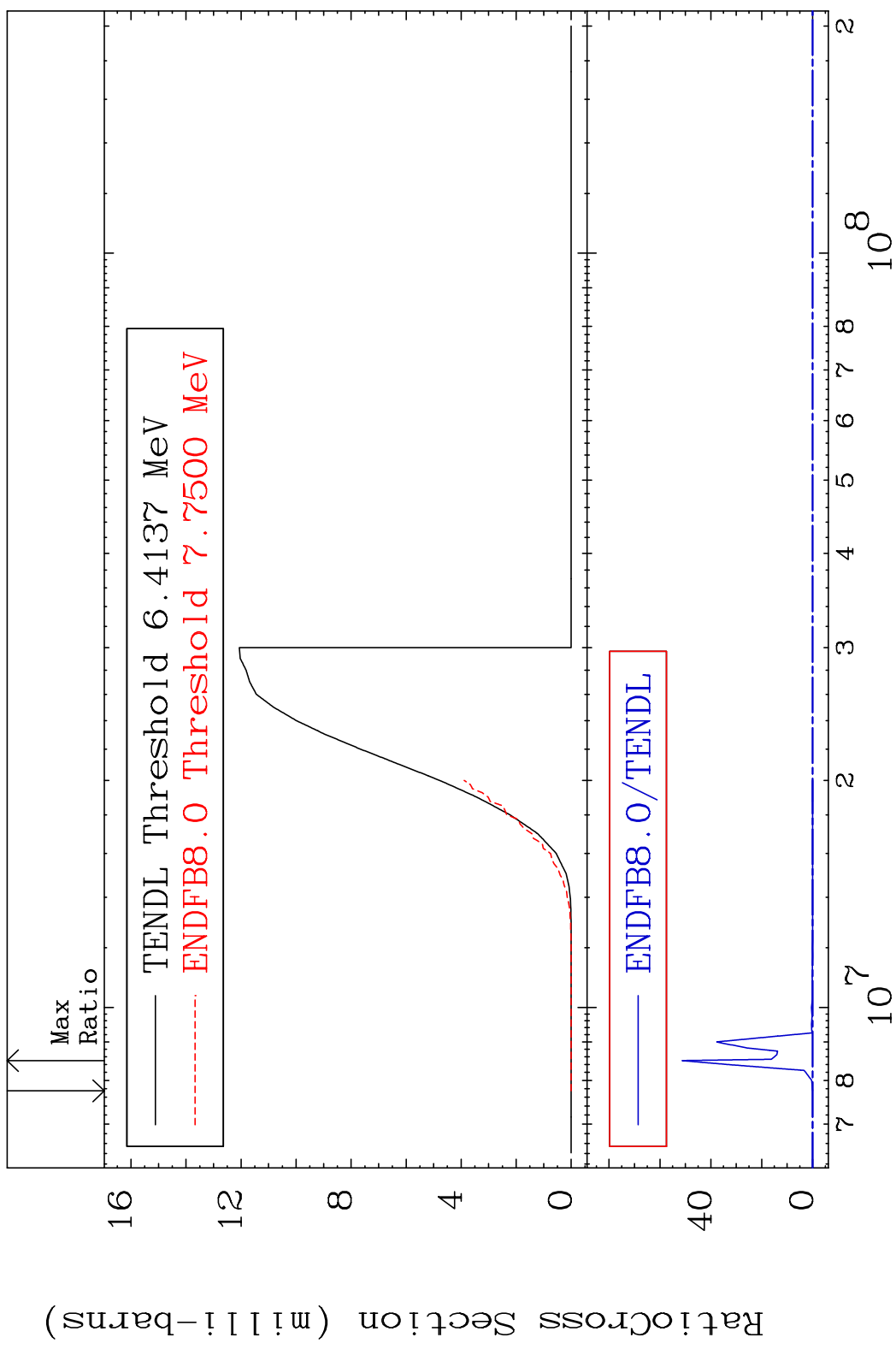


MAT 6849

(n,d)

68-Er-170

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

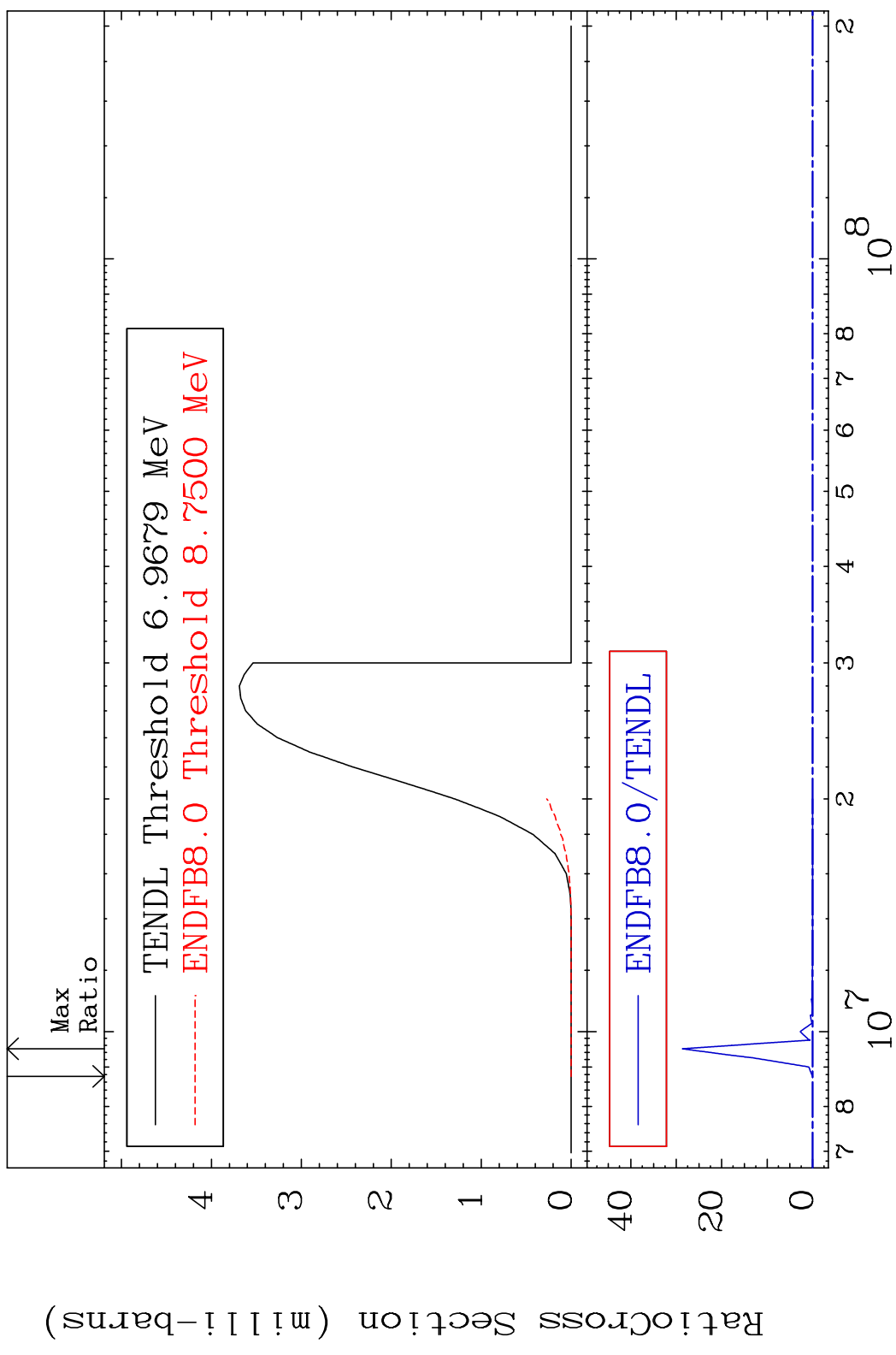
68-Er-170

MAT 6849

(n, t)

68-Er-170

Cross Section -100.0 To 9999. %

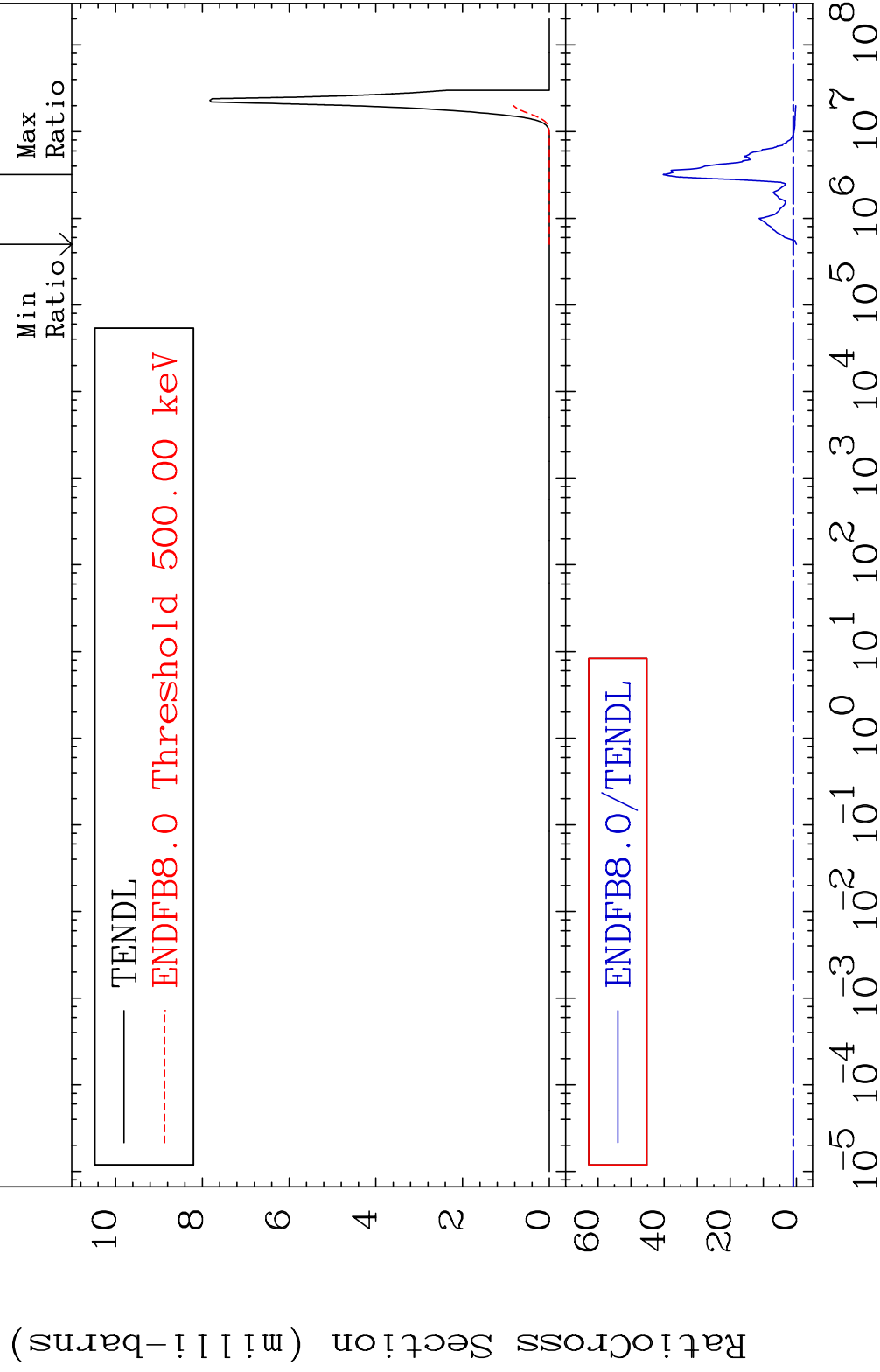


MAT 6849

(n,  $\alpha$ )

68-Er-170

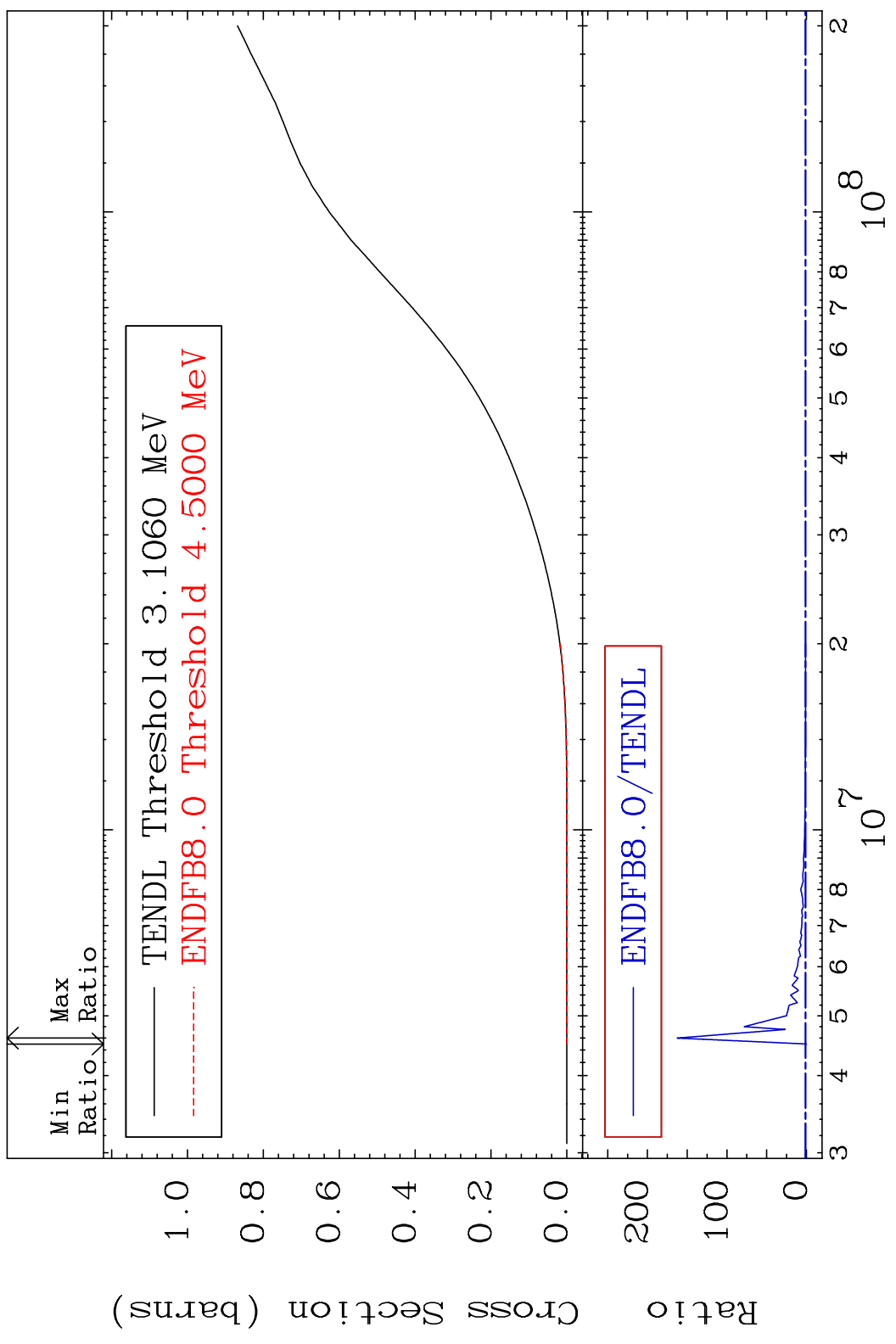
Cross Section -100.0 To 3929. %



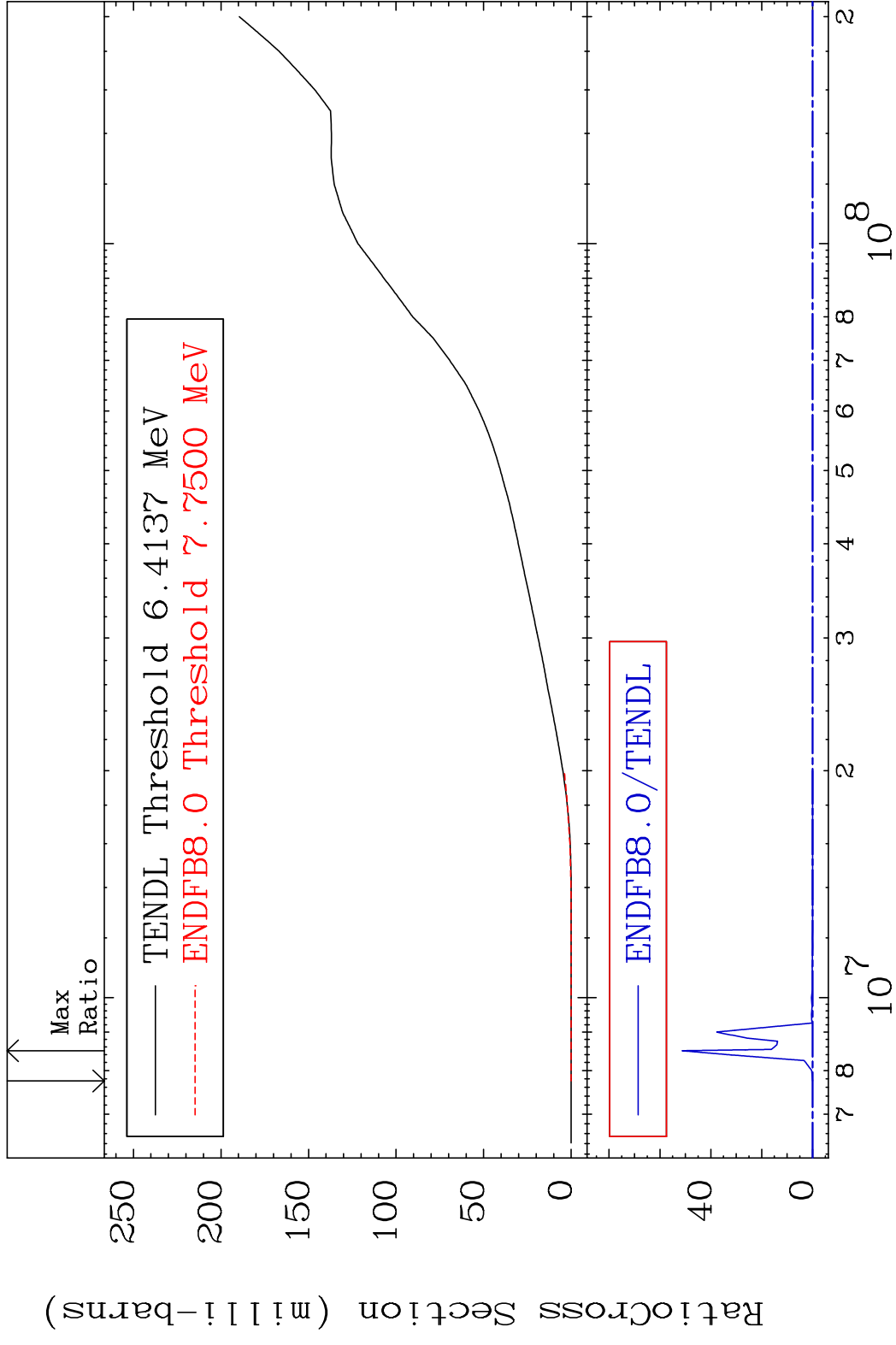
28

Incident Energy (eV)

68-Er-170



MAT 6849 Deuterium Production 68-Er-170  
 Cross Section -100.0 To 9999. %

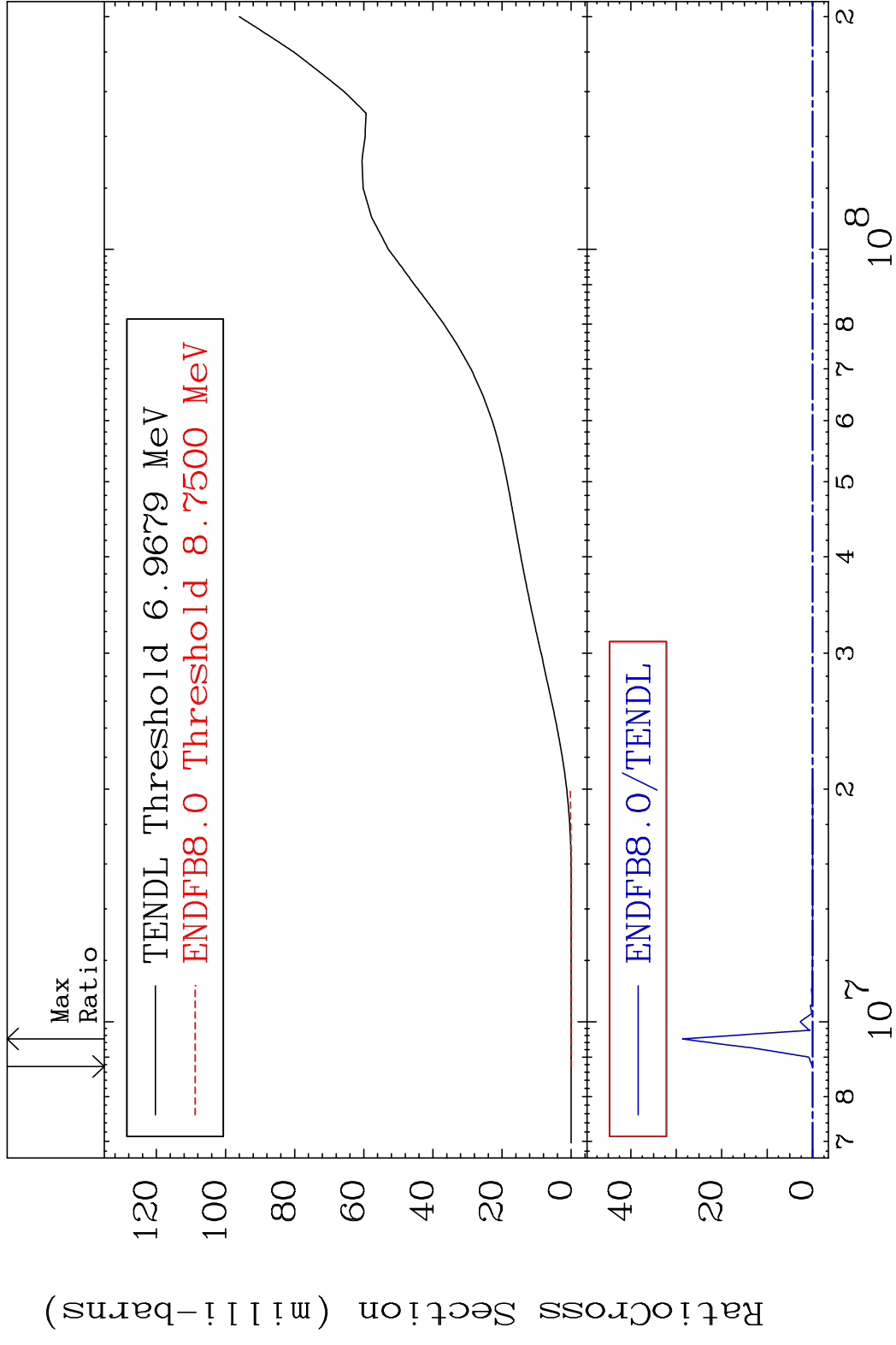


30 Incident Energy (eV) 68-Er-170

MAT 6849

Tritium Production 68-Er-170

Cross Section -100.0 To 9999. %



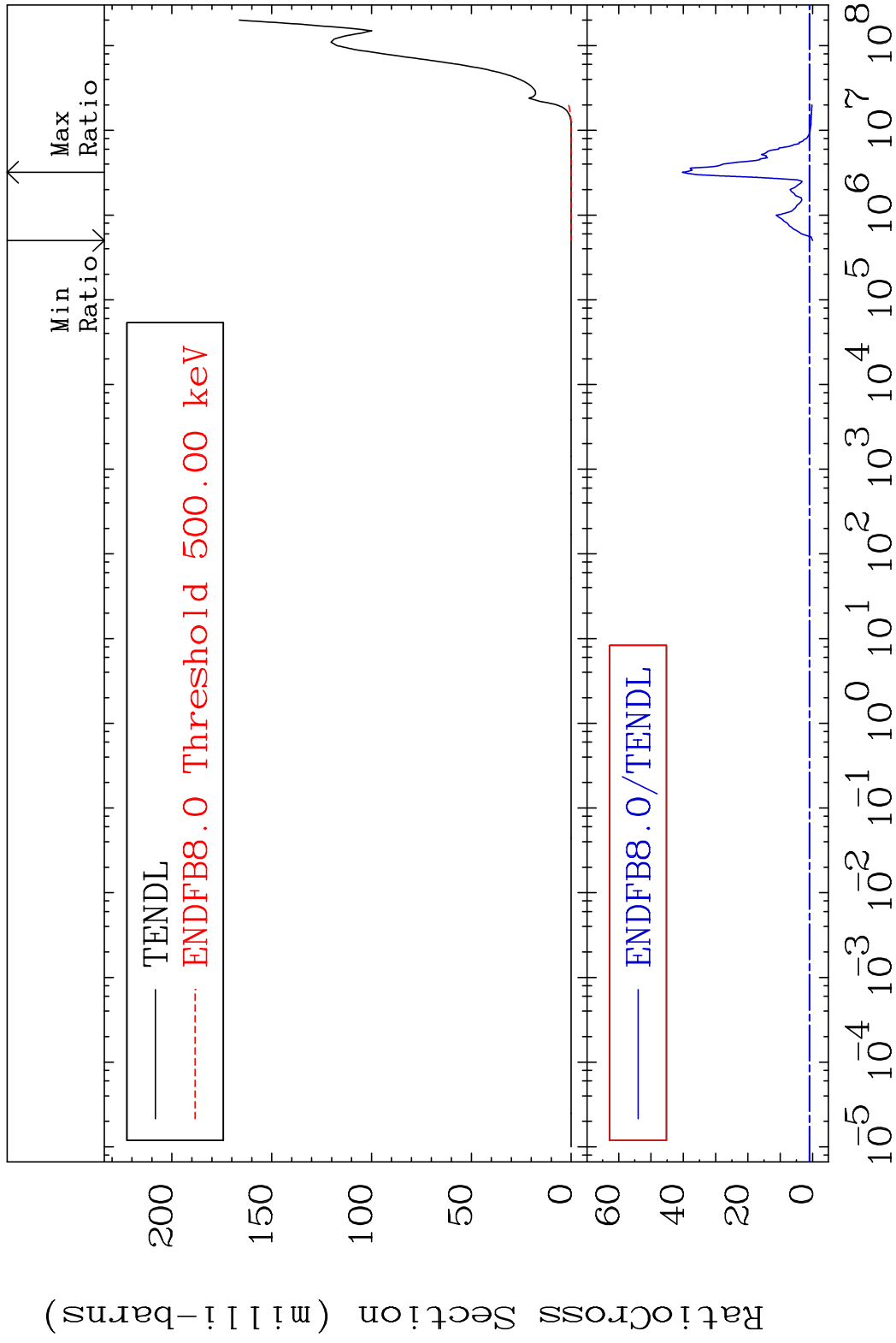


MAT 6849

He-4 Production

68-Er-170

Cross Section -100.0 To 3929. %

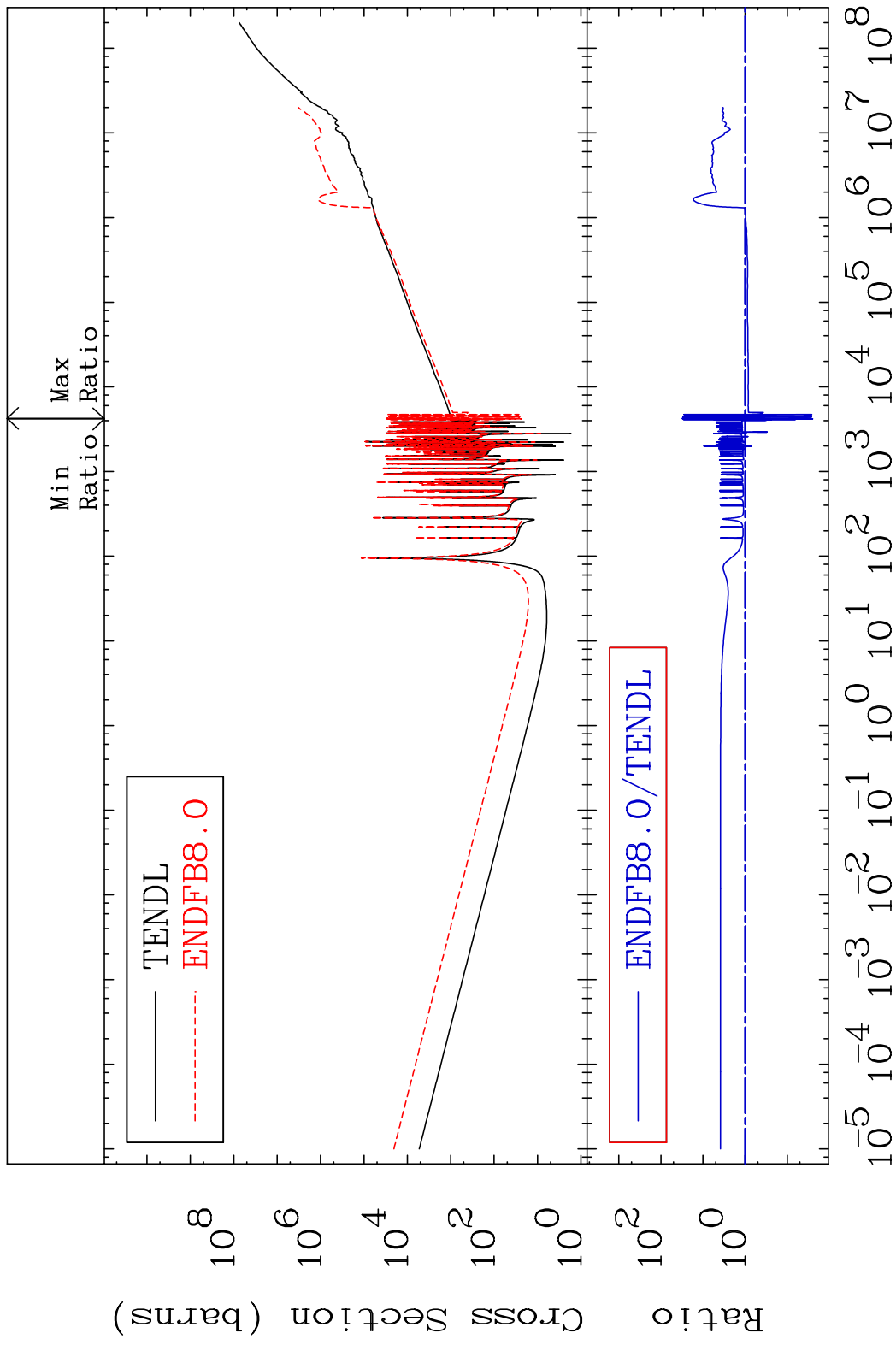


32

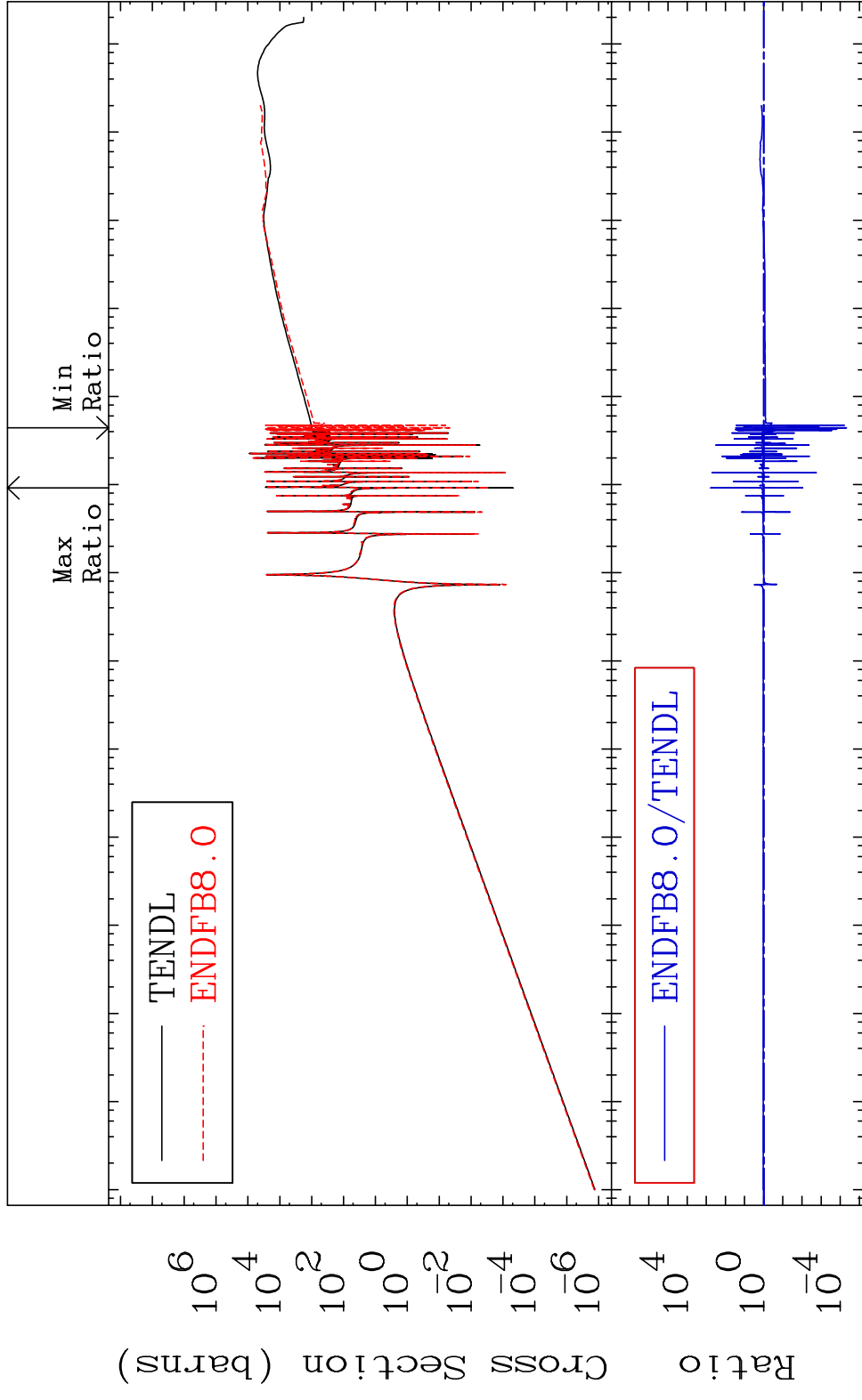
Incident Energy (eV)

68-Er-170

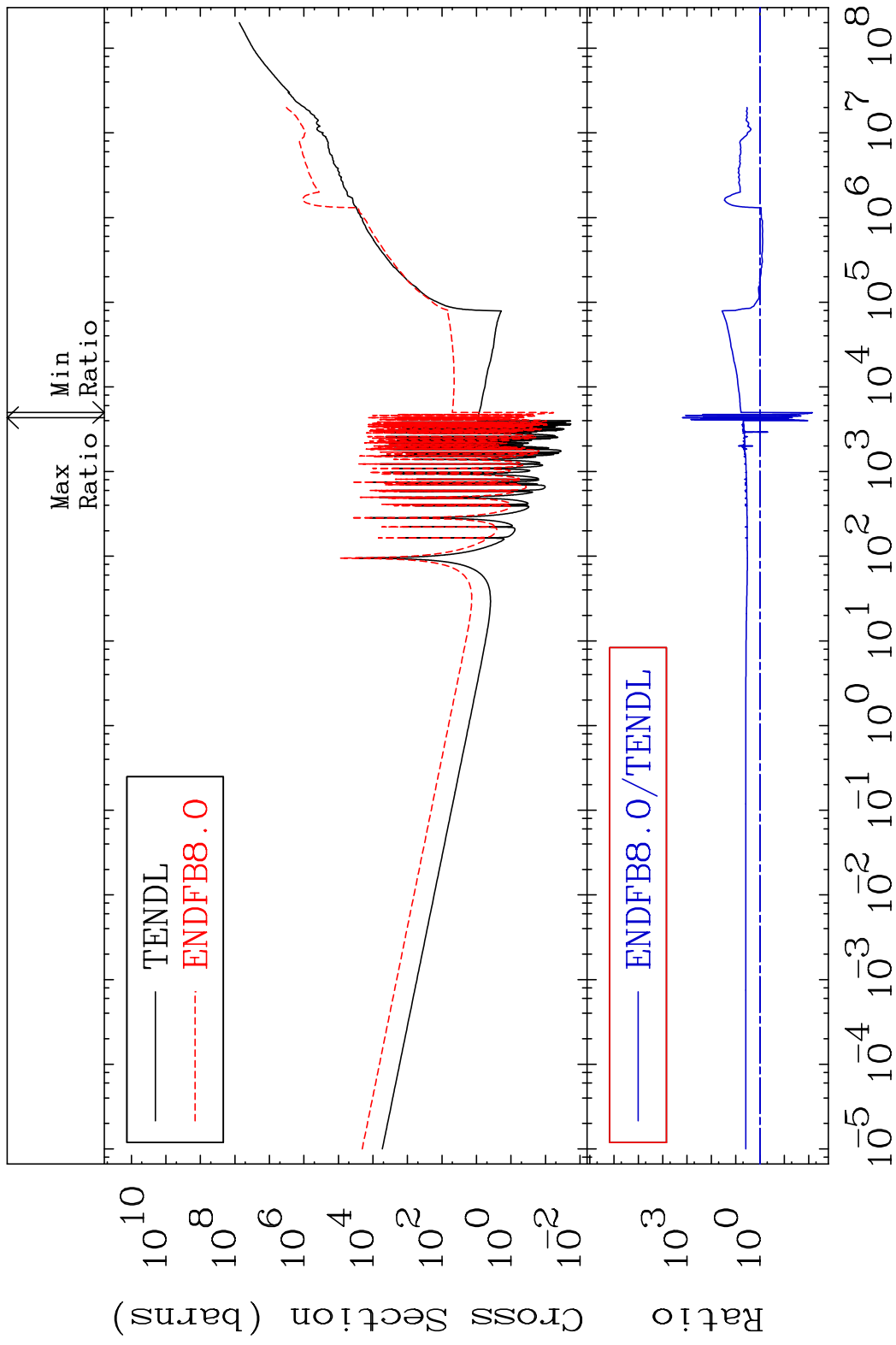
MAT 6849 Kerma total (eV-barns) 68-Er-170  
 Cross Section -97.50 To 2997. %



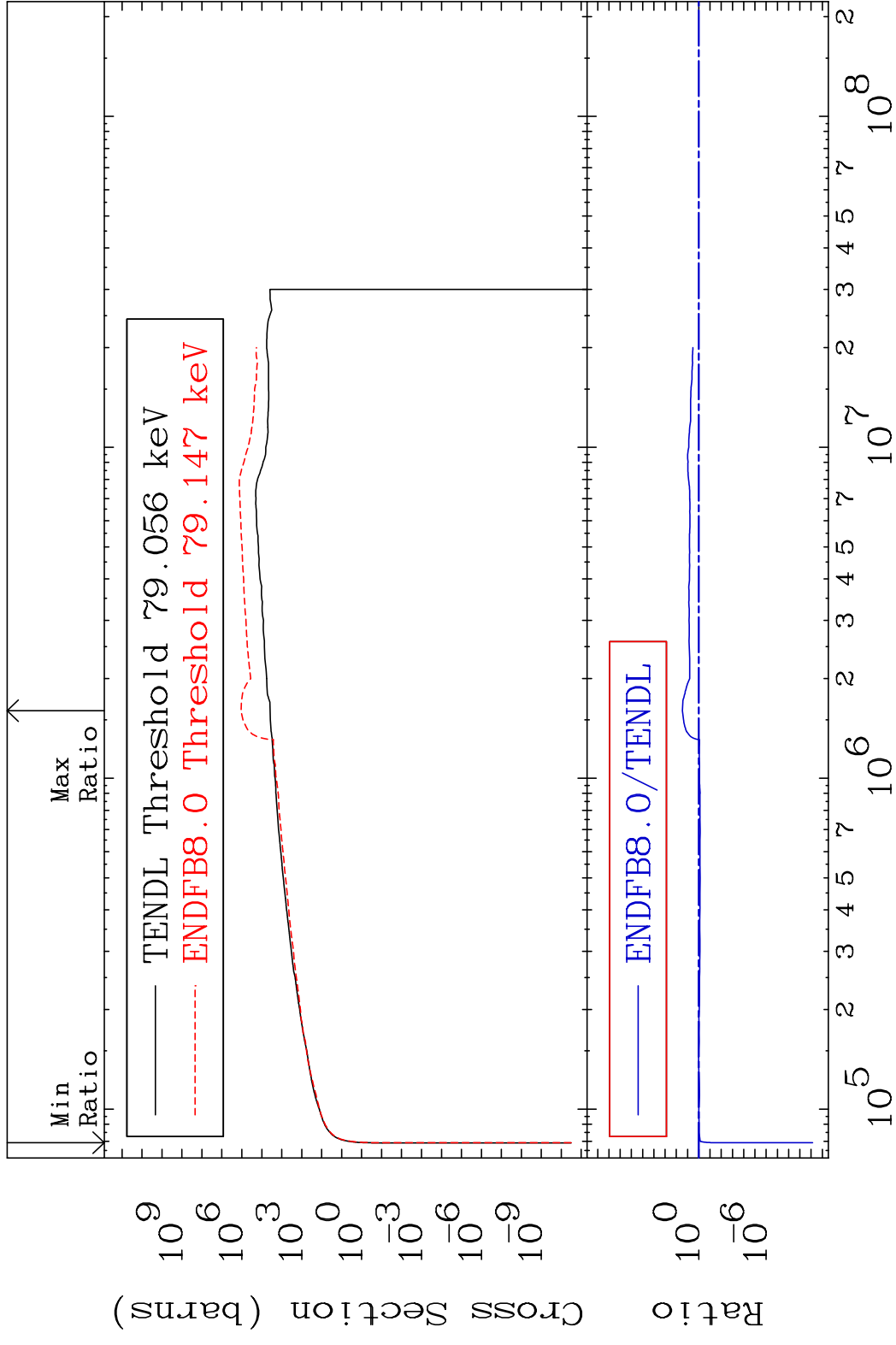
MAT 6849      Kerma elastic      68-Er-170  
 Cross Section      -100.0 To 9999. %



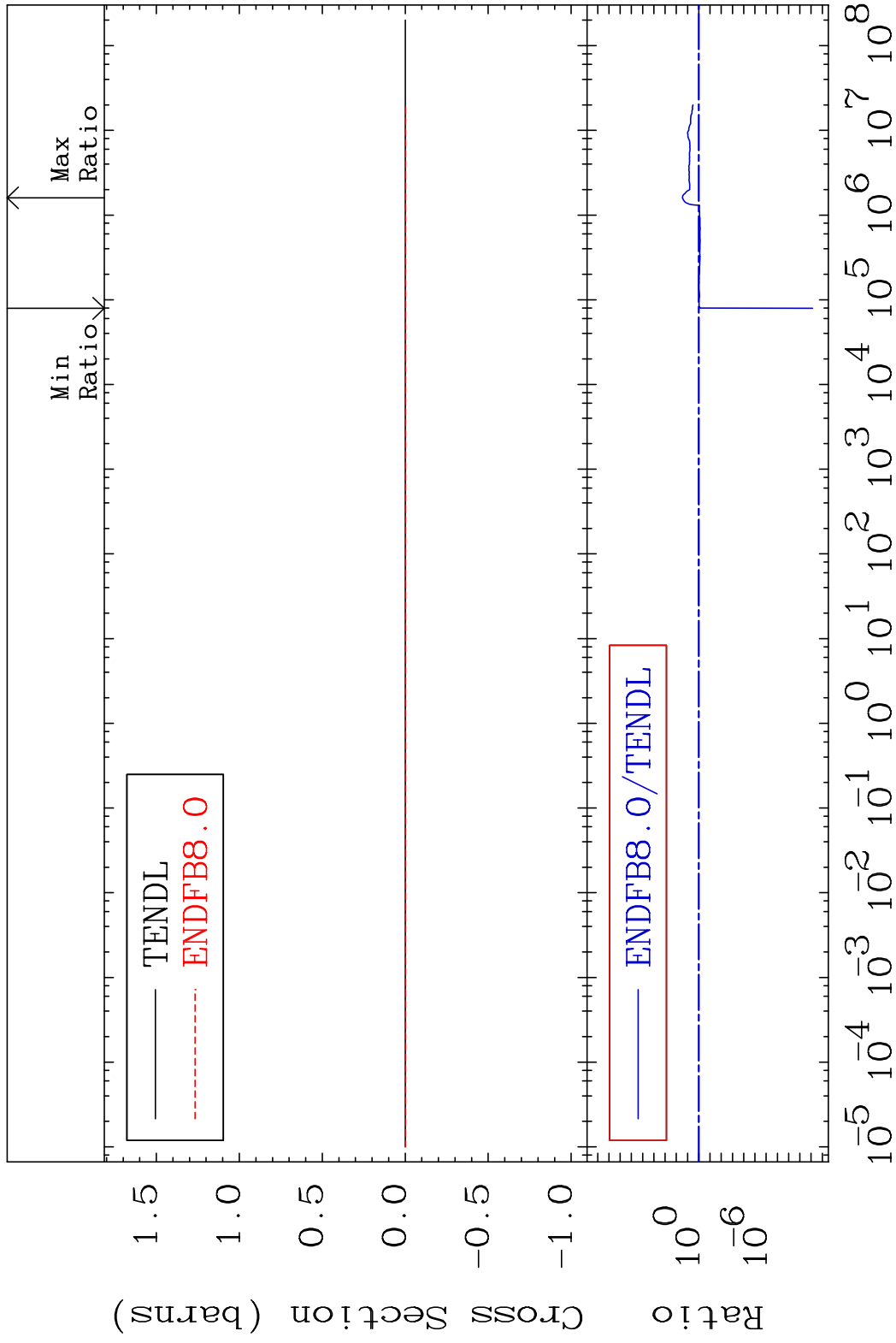
MAT 6849 Kerma non-elastic (all but mt2) 68-Er-170  
 Cross Section -99.31 To 9999. %



MAT 6849 Kerma inelastic (mt51-91) 68-Er-170  
 Cross Section -100.0 To 2803. %

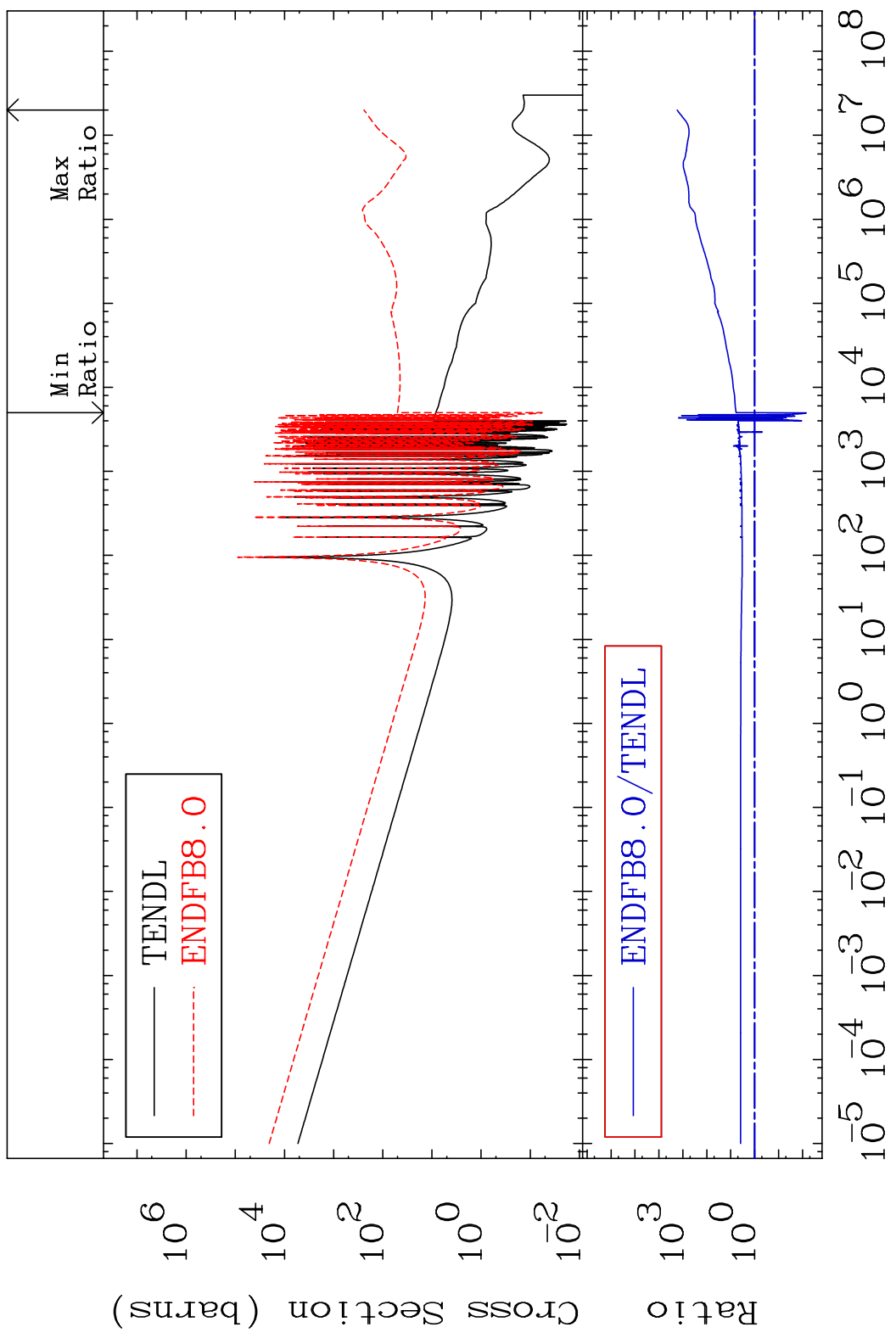


MAT 6849 Kerma fission (mt18 or mt19-20-21-38) 68-Er-170  
 Cross Section -100.0 To 2803. %



MAT 6849

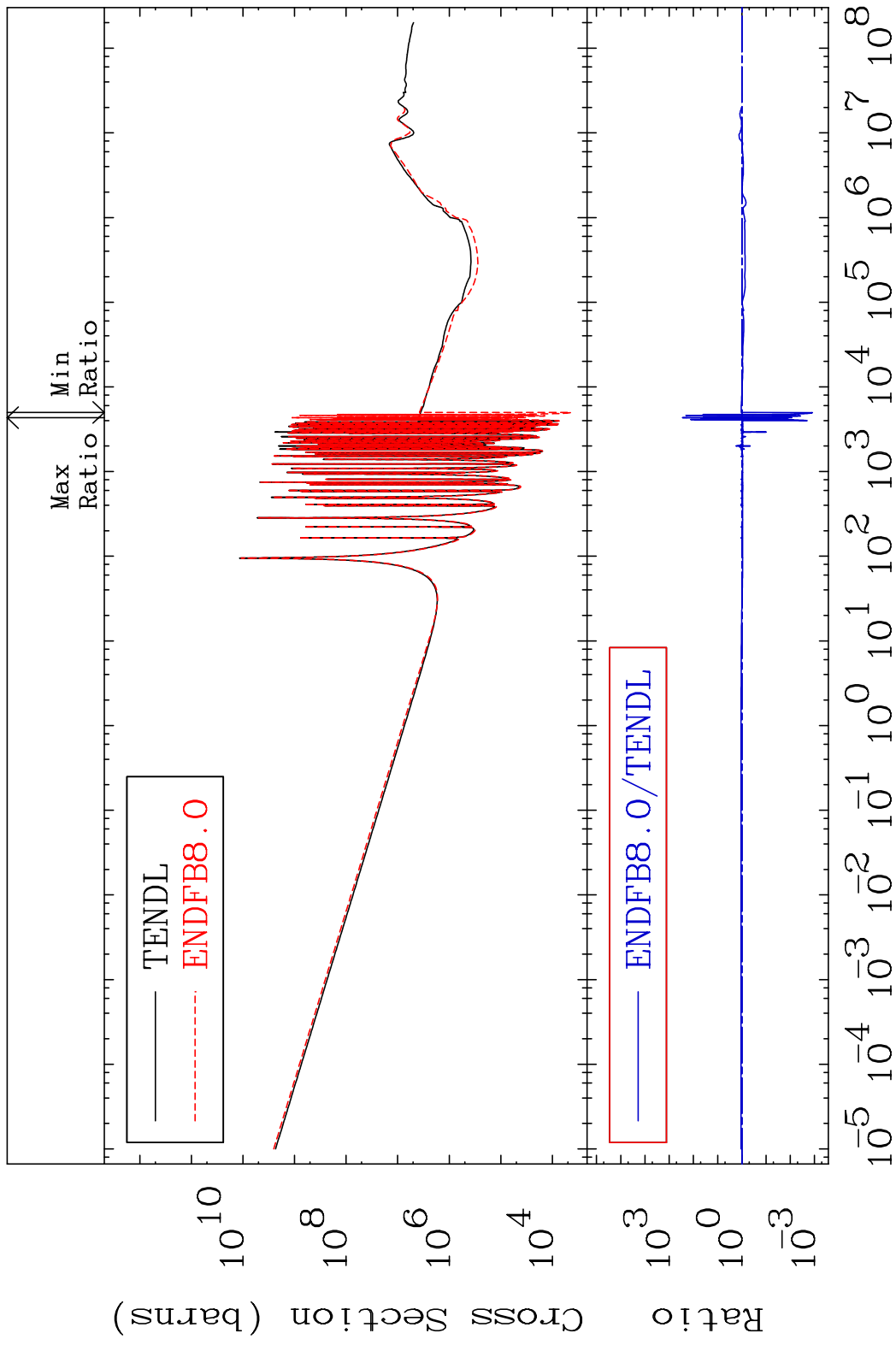
Kerma capture (mt102) 68-Er-170  
Cross Section -99.31 To 9999. %



38

Incident Energy (eV) 68-Er-170

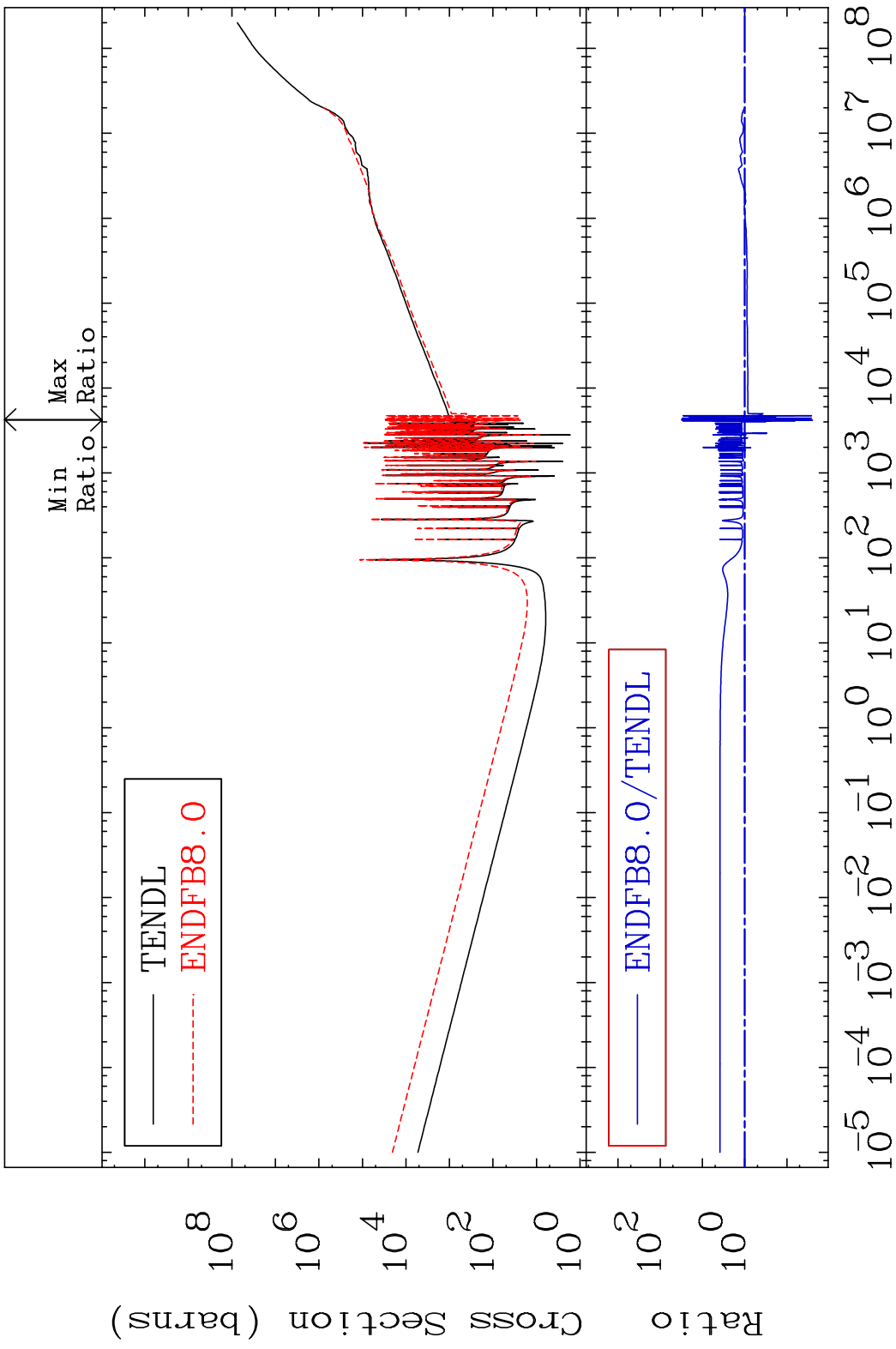
MAT 6849 Total photon (eV-barns) 68-Er-170  
Cross Section -99.88 To 9999. %



39 Incident Energy (eV) 68-Er-170

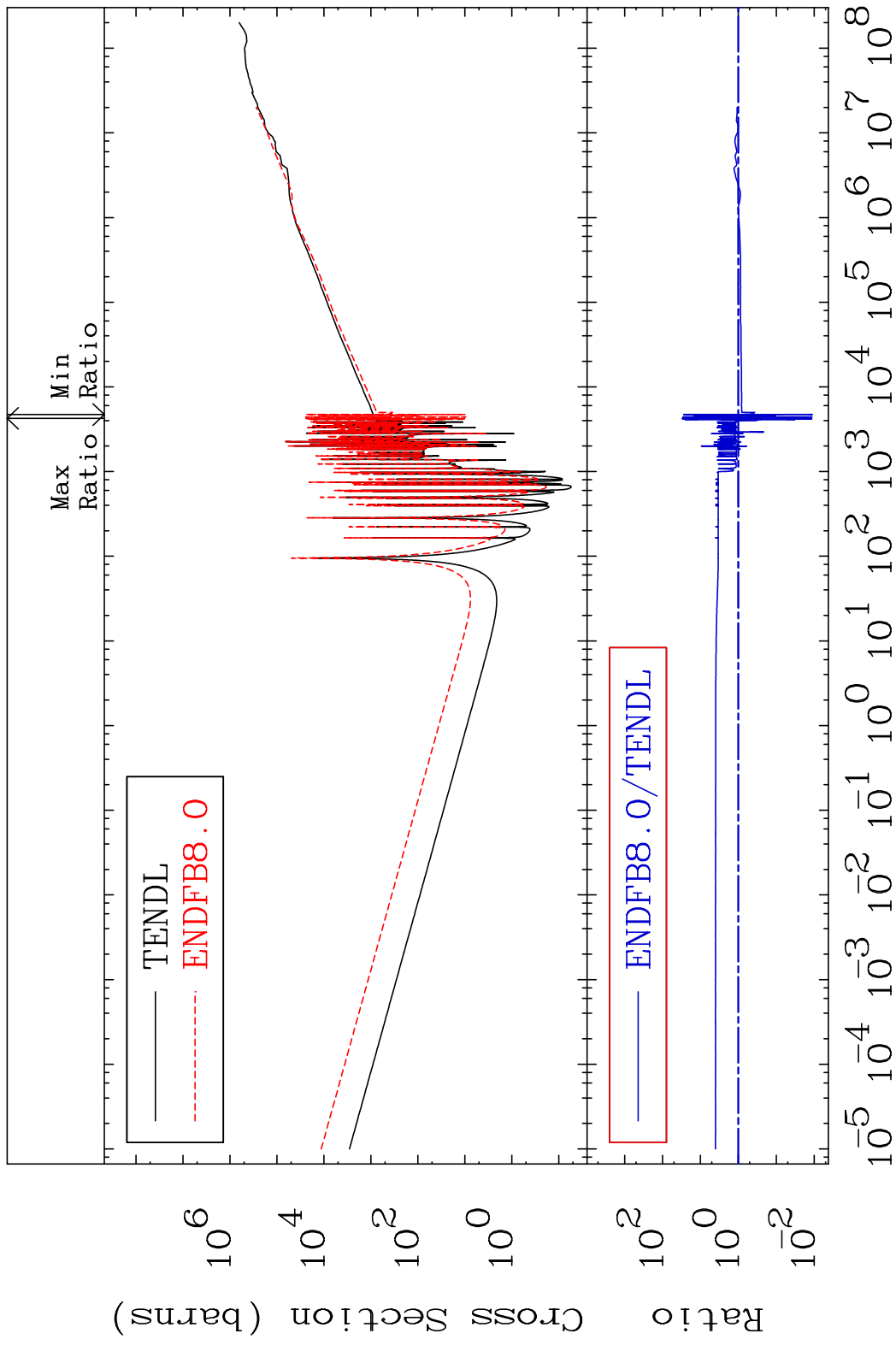


MAT 6849 Total kinematic kerma (high limit) 68-Er-170  
Cross Section -97.50 To 2997. %



40 Incident Energy (eV) 68-Er-170

MAT 6849      Dpa total (eV-barns)      68-Er-170  
 Cross Section      -98.90 To 2897. %

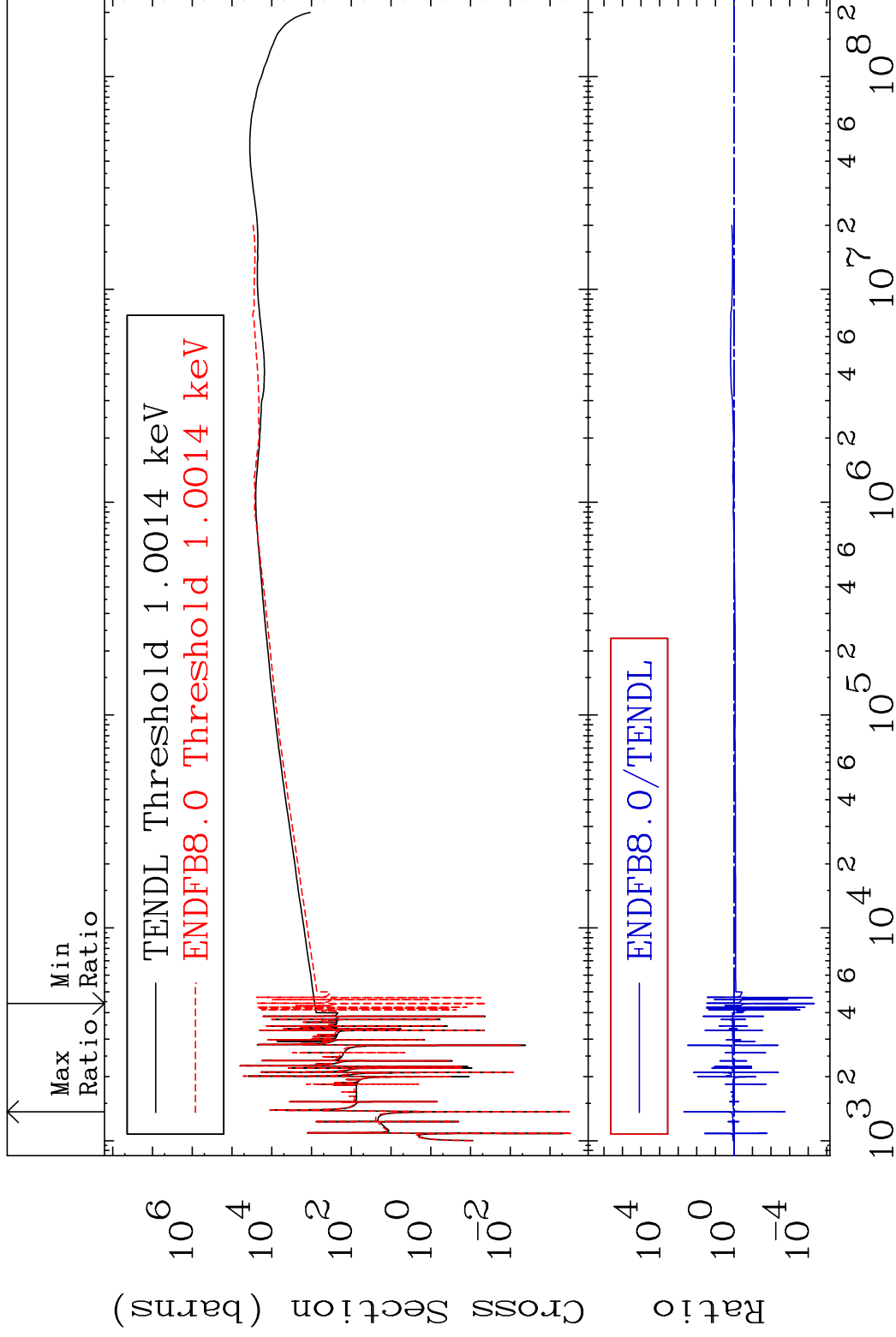


MAT 6849

Dpa elastic (mt2)

68-Er-170

Cross Section -100.0 To 9999. %

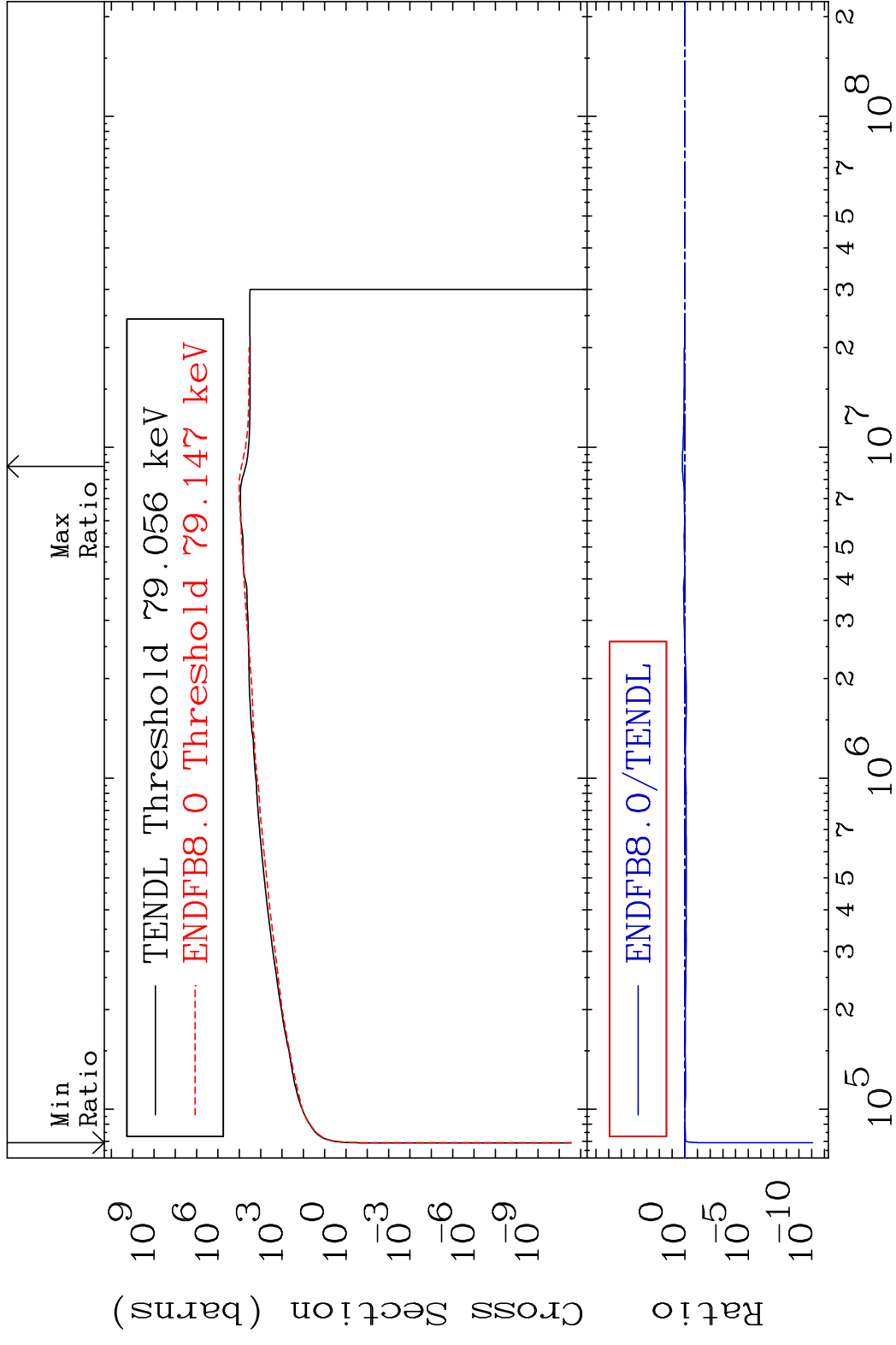


42

Incident Energy (eV)

68-Er-170

MAT 6849 Dpa inelastic (mt51-91) 68-Er-170  
 Cross Section -100.0 To 55.98 %



MAT 6849 Dpa disappearance (mt102 -120) 68-Er-170  
 Cross Section -99.57 To 9999. %

