

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

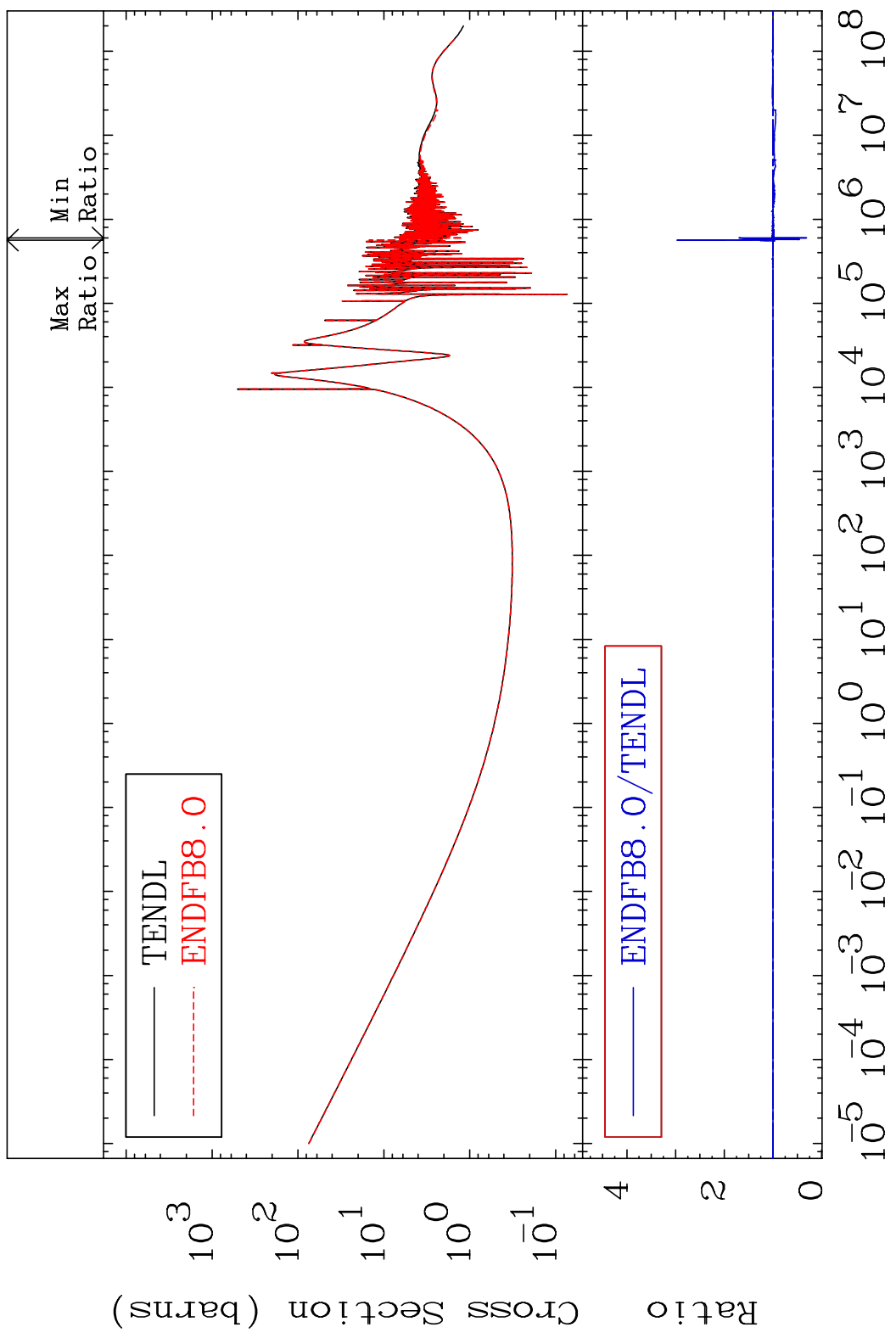
MAT 2843

Total

28-Ni-64

Cross Section

-68.60 To 196.7 %



1

Incident Energy (eV)

28-Ni-64

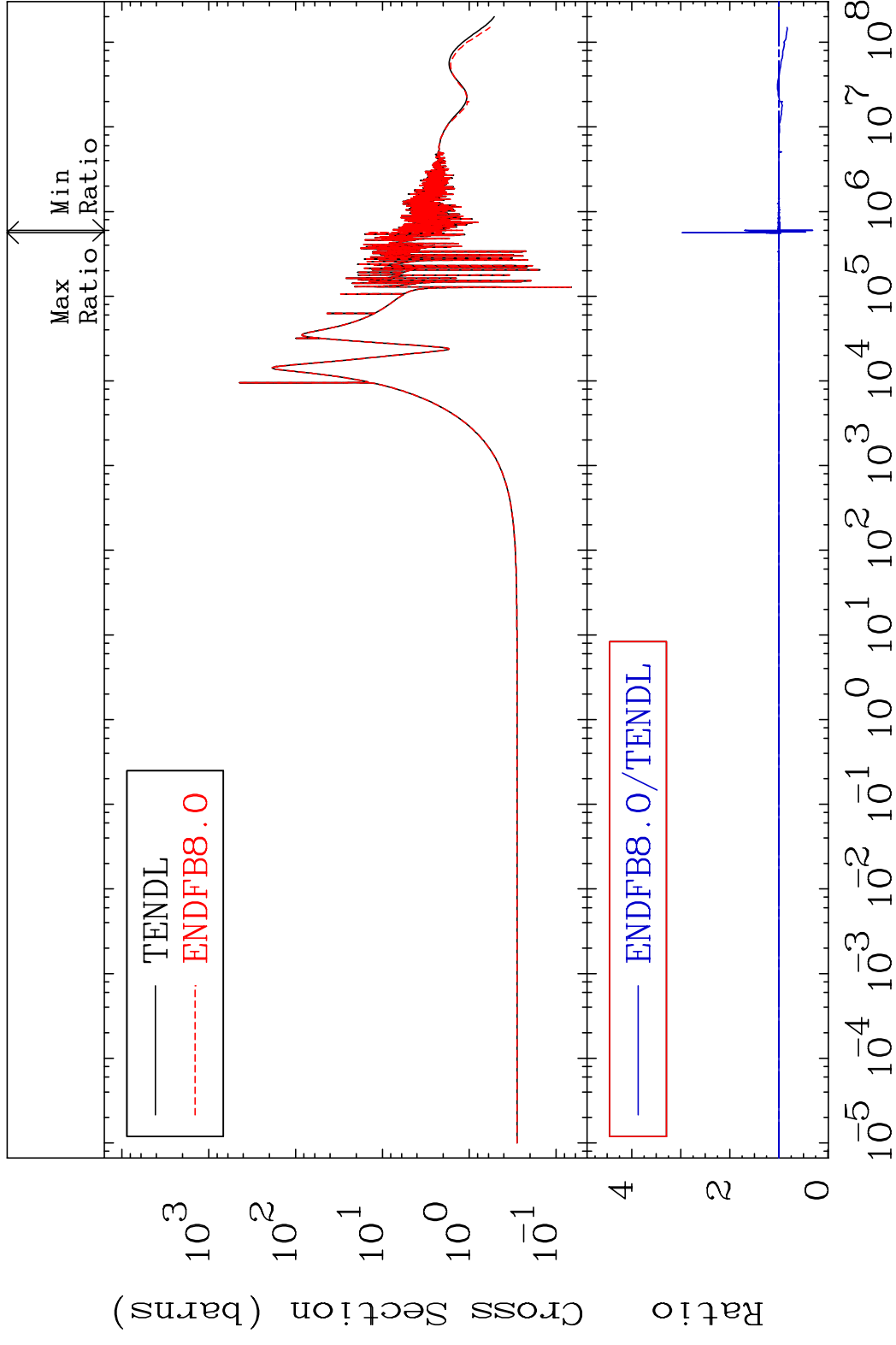
MAT 2843

Elastic

28-Ni-64

Cross Section

-68.66 To 196.8 %

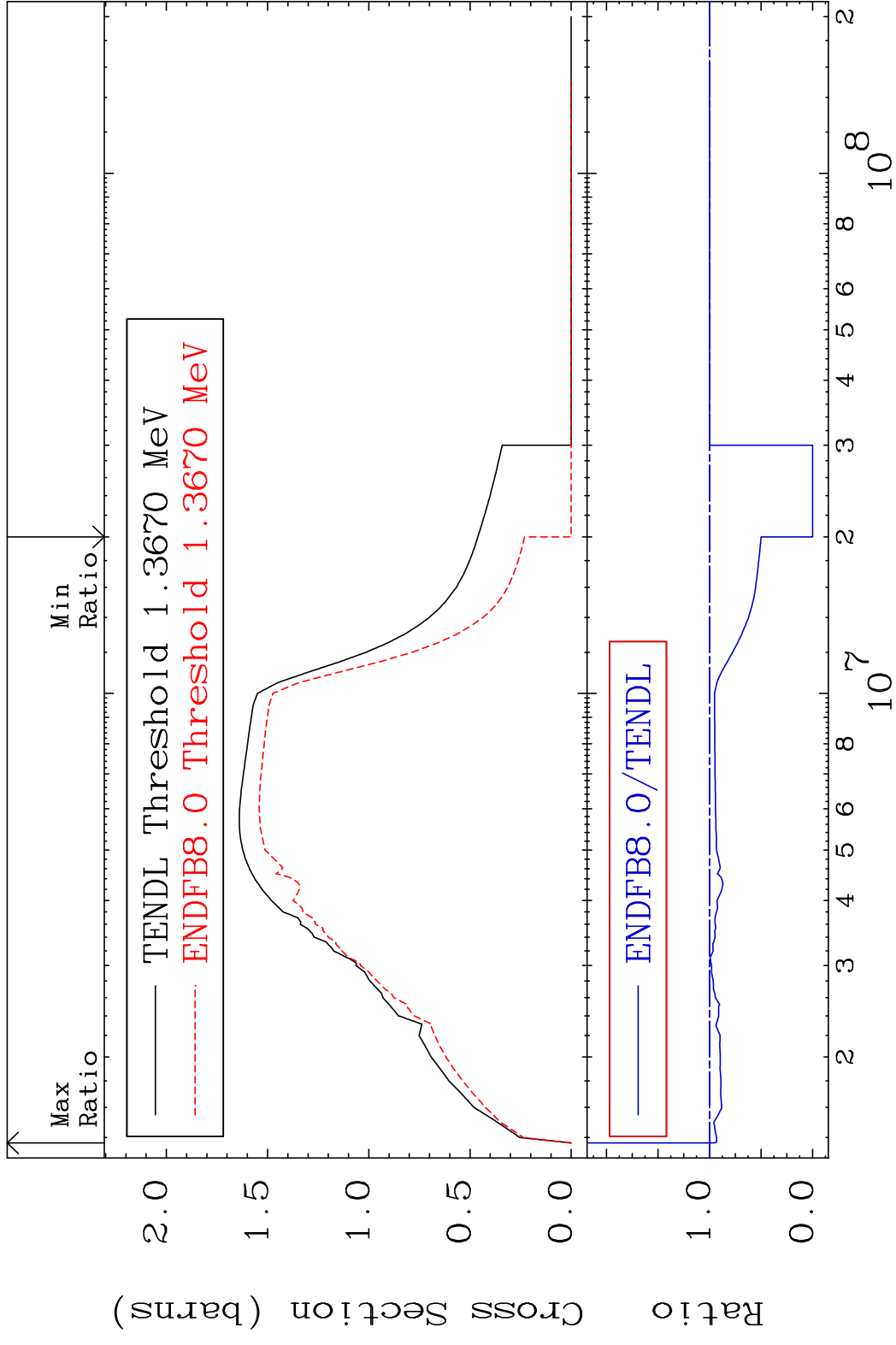


2

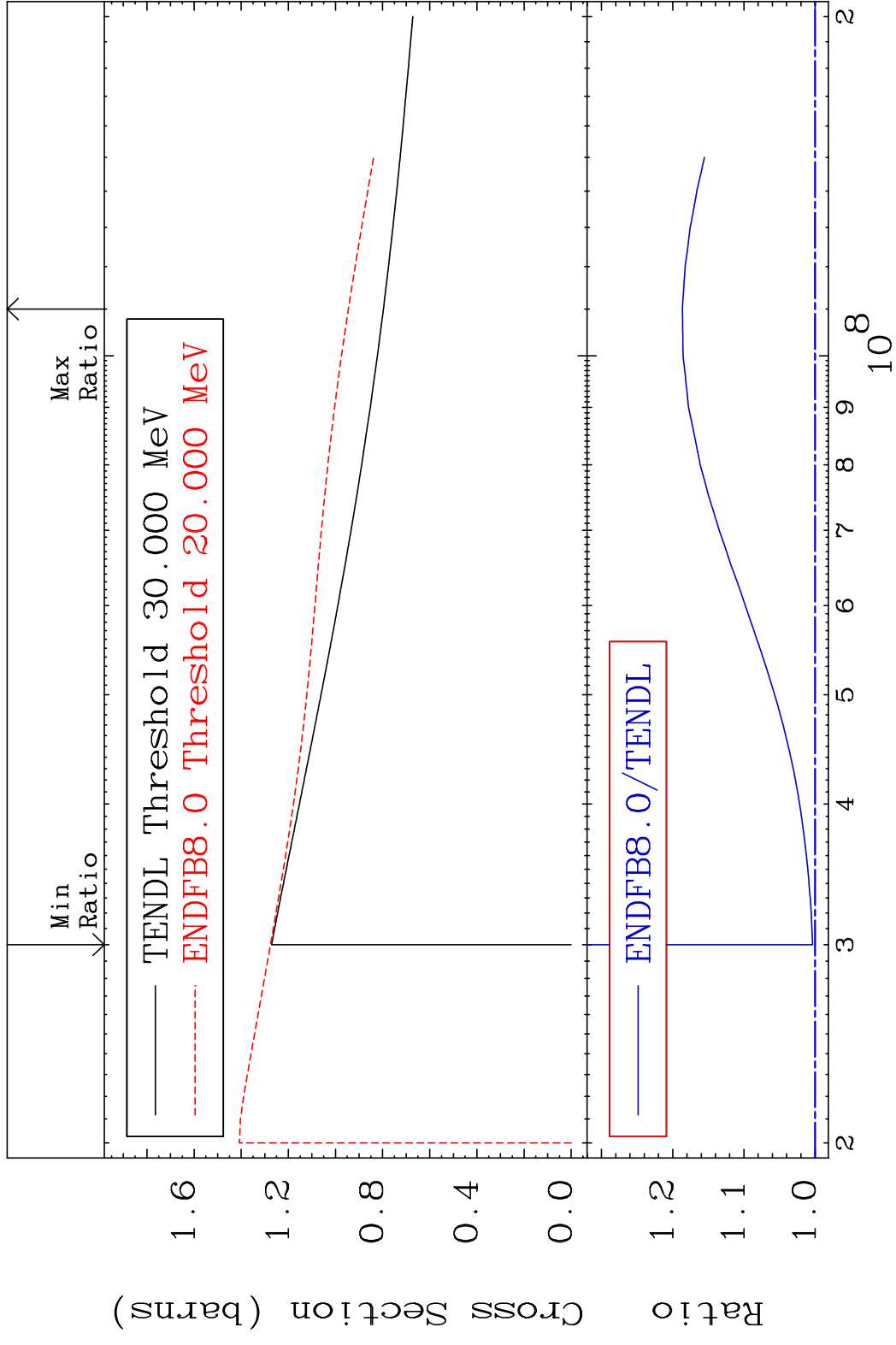
Incident Energy (eV)

28-Ni-64

MAT 2843 Inelastic 28-Ni-64  
 Cross Section -100.0 To 26.32 %

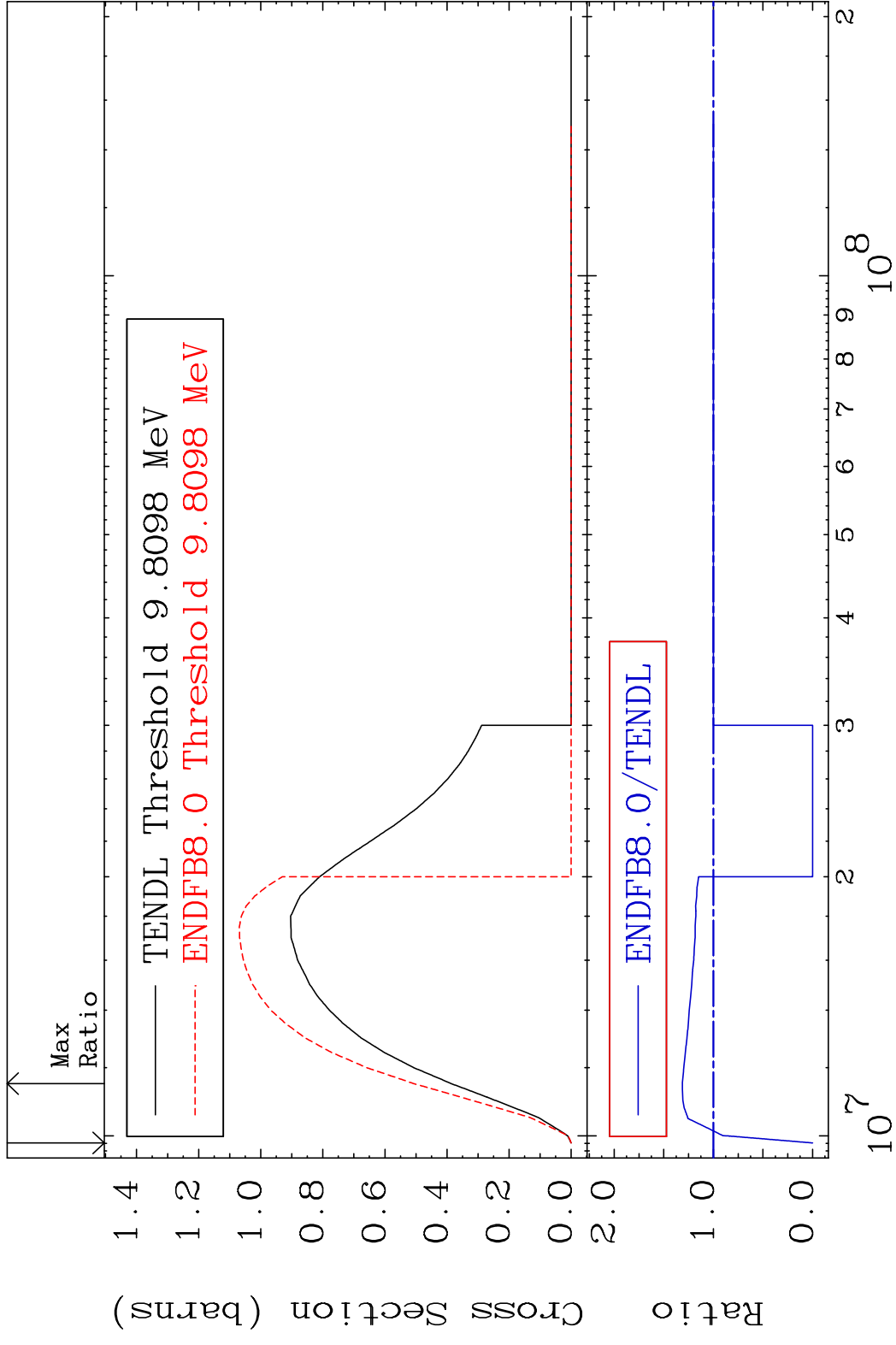


MAT 2843 (n, remainder) 28-Ni-64  
 Cross Section 0.364 To 18.65 %



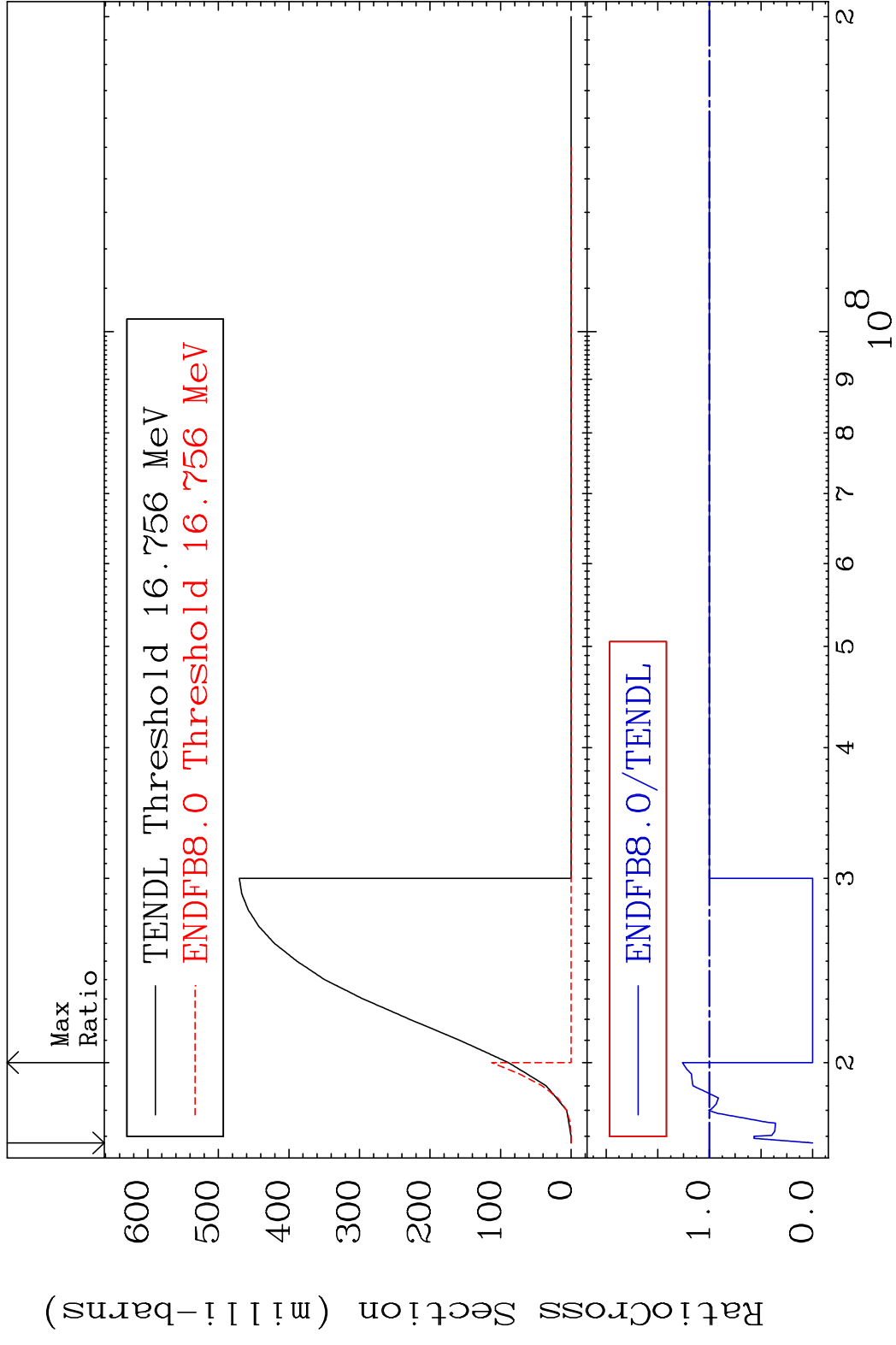
4 Incident Energy (eV) 28-Ni-64

MAT 2843 (n,2n) 28-Ni-64  
 Cross Section -100.0 To 31.25 %

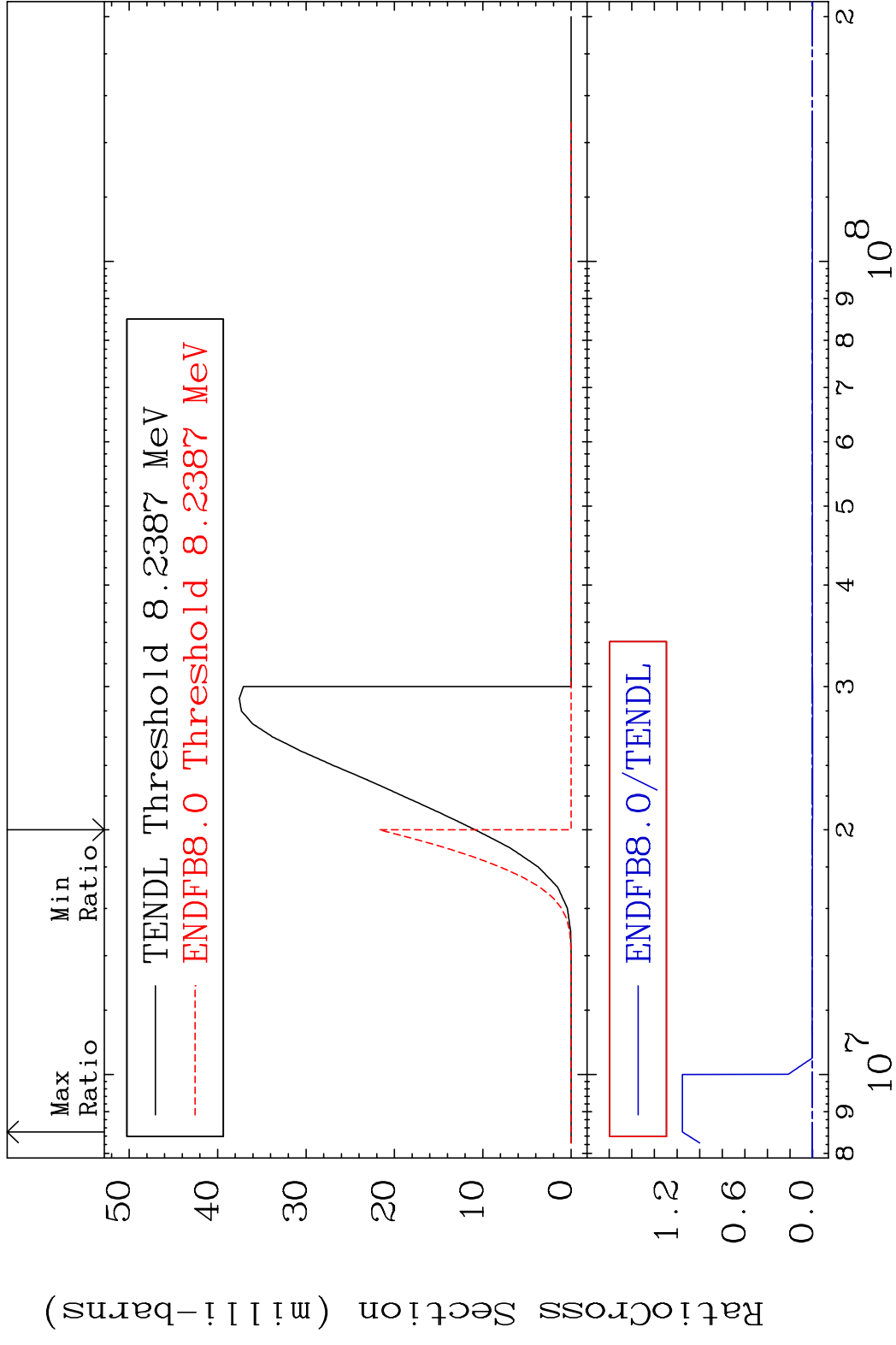


5 Incident Energy (eV) 28-Ni-64

MAT 2843 (n,3n) 28-Ni-64  
 Cross Section -100.0 To 26.18 %



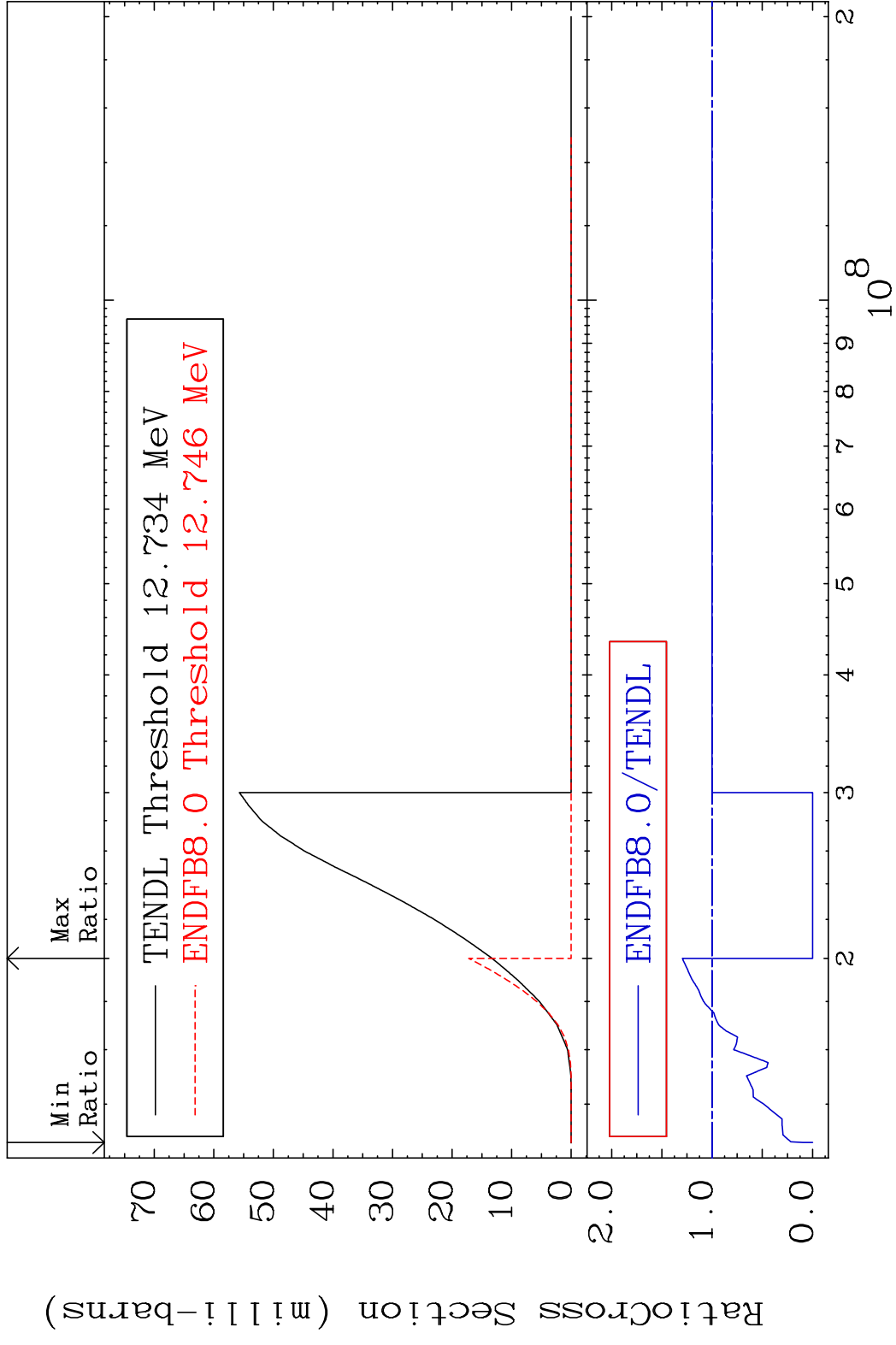
MAT 2843 (n, n')  $\alpha$  28-Ni-64  
 Cross Section -100.0 To 9999. %



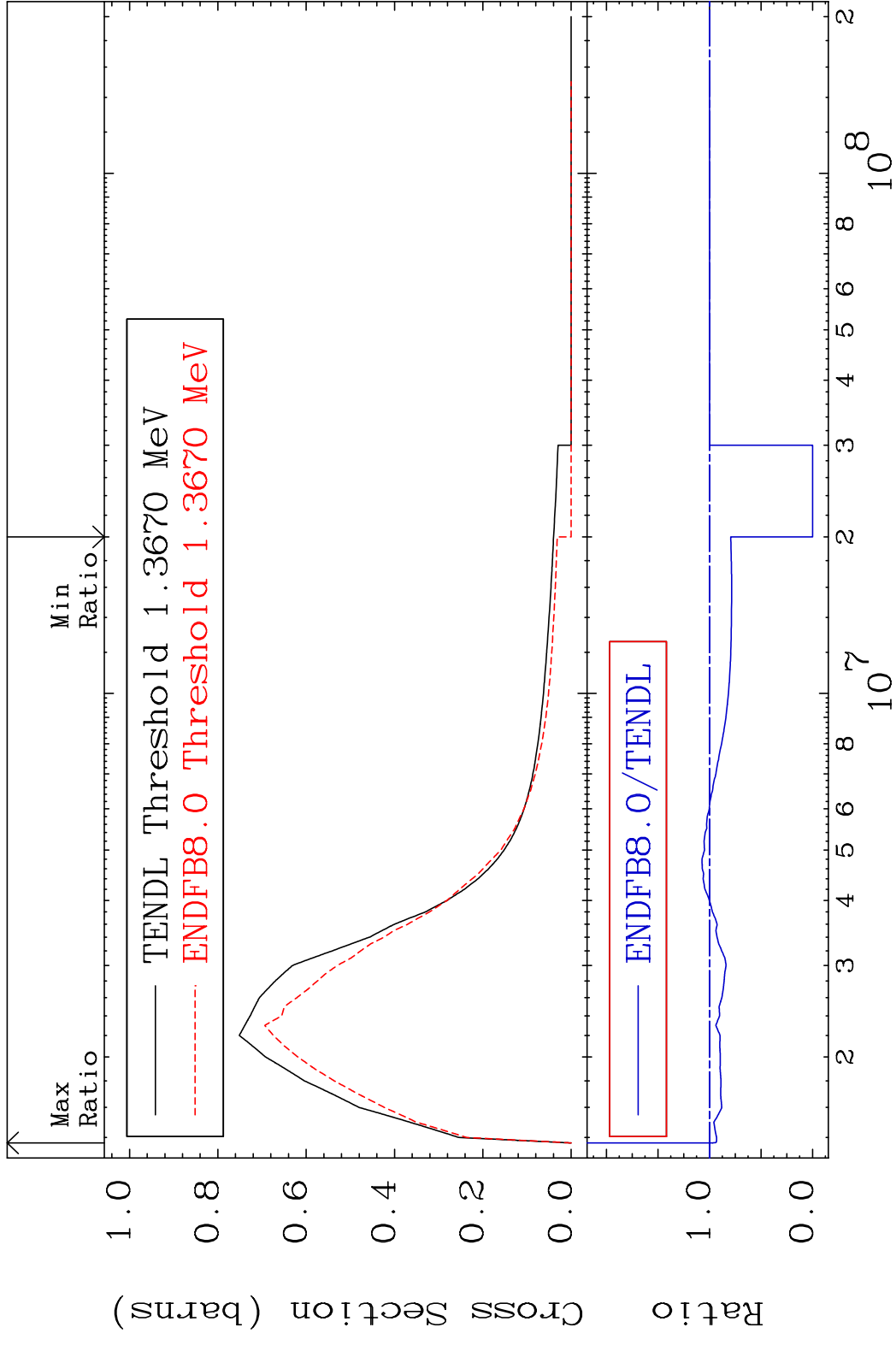
7 28-Ni-64



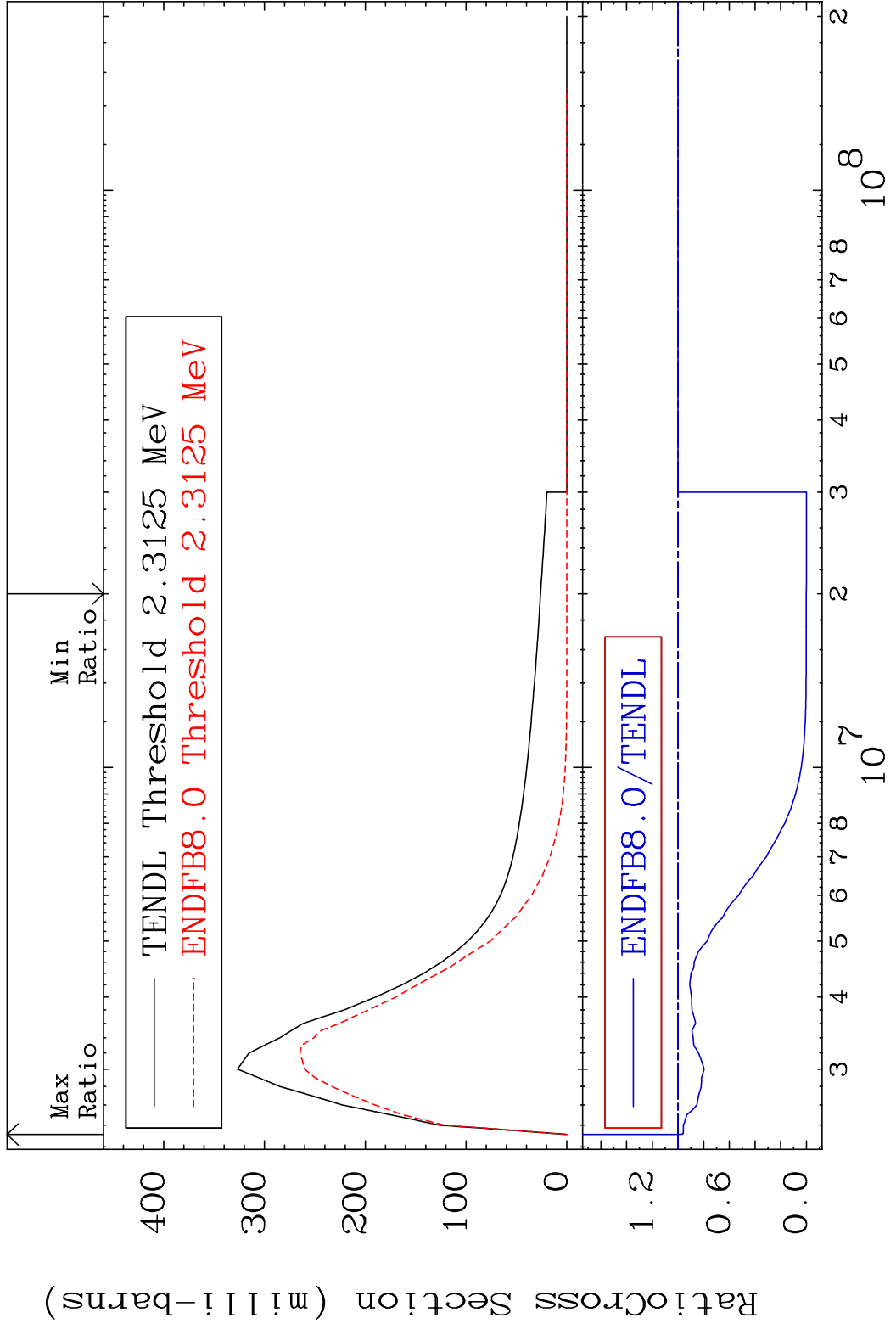
MAT 2843 (n, n') p 28-Ni-64  
 Cross Section -100.0 To 29.59 %



MAT 2843 MT= 51 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 26.32 %

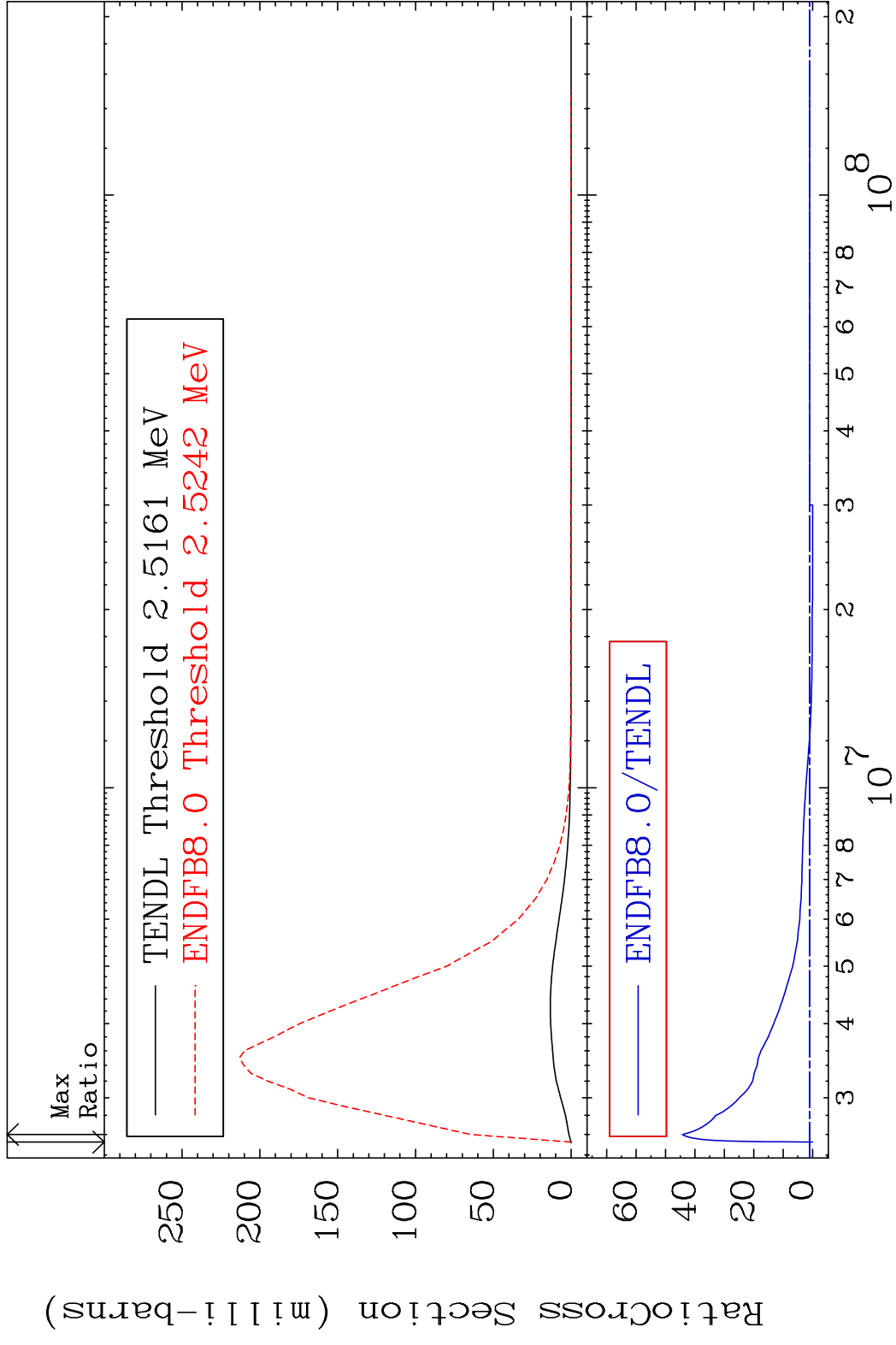


MAT 2843 MT= 52 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 0.631 %

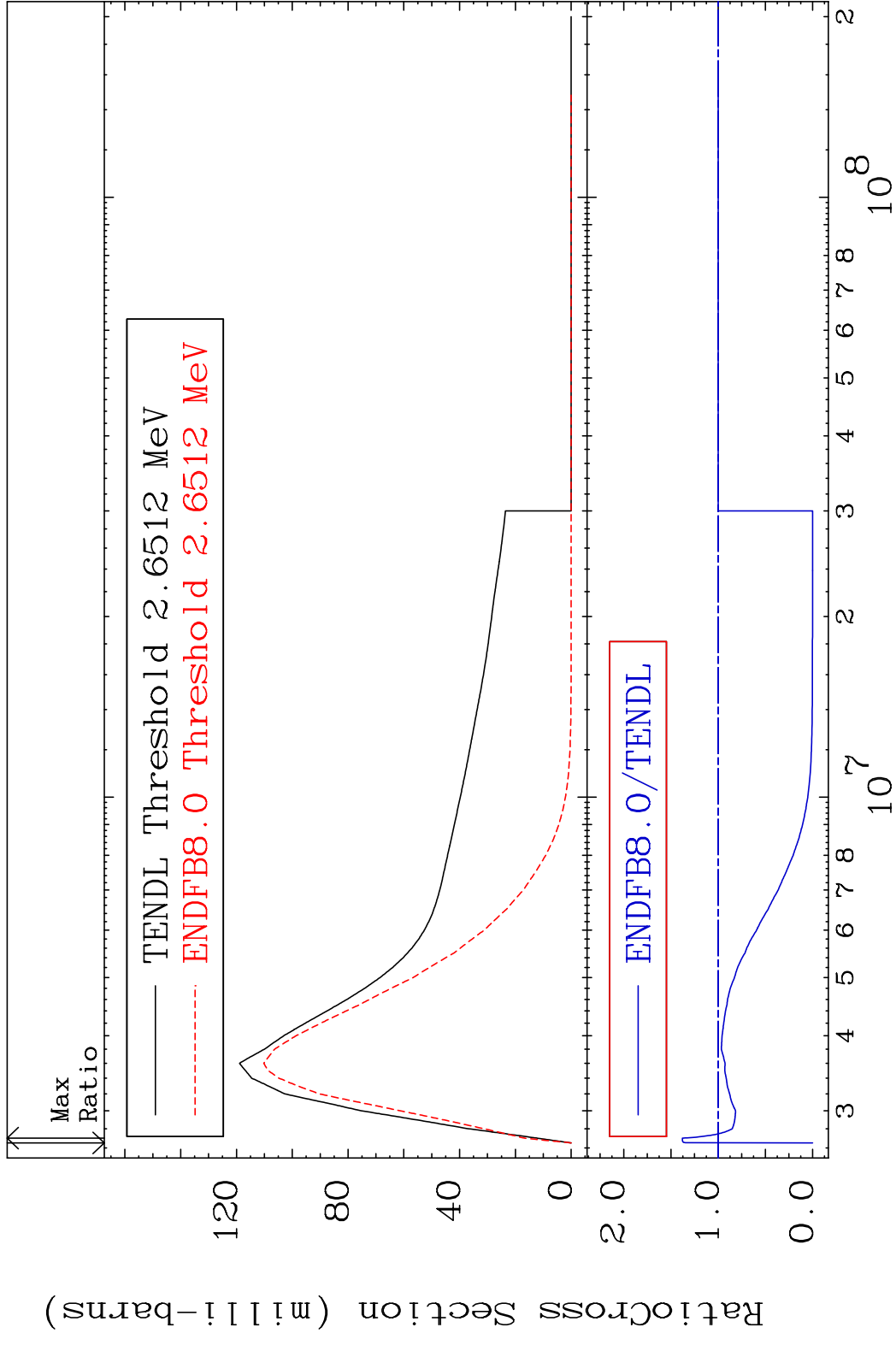


10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 28-Ni-64

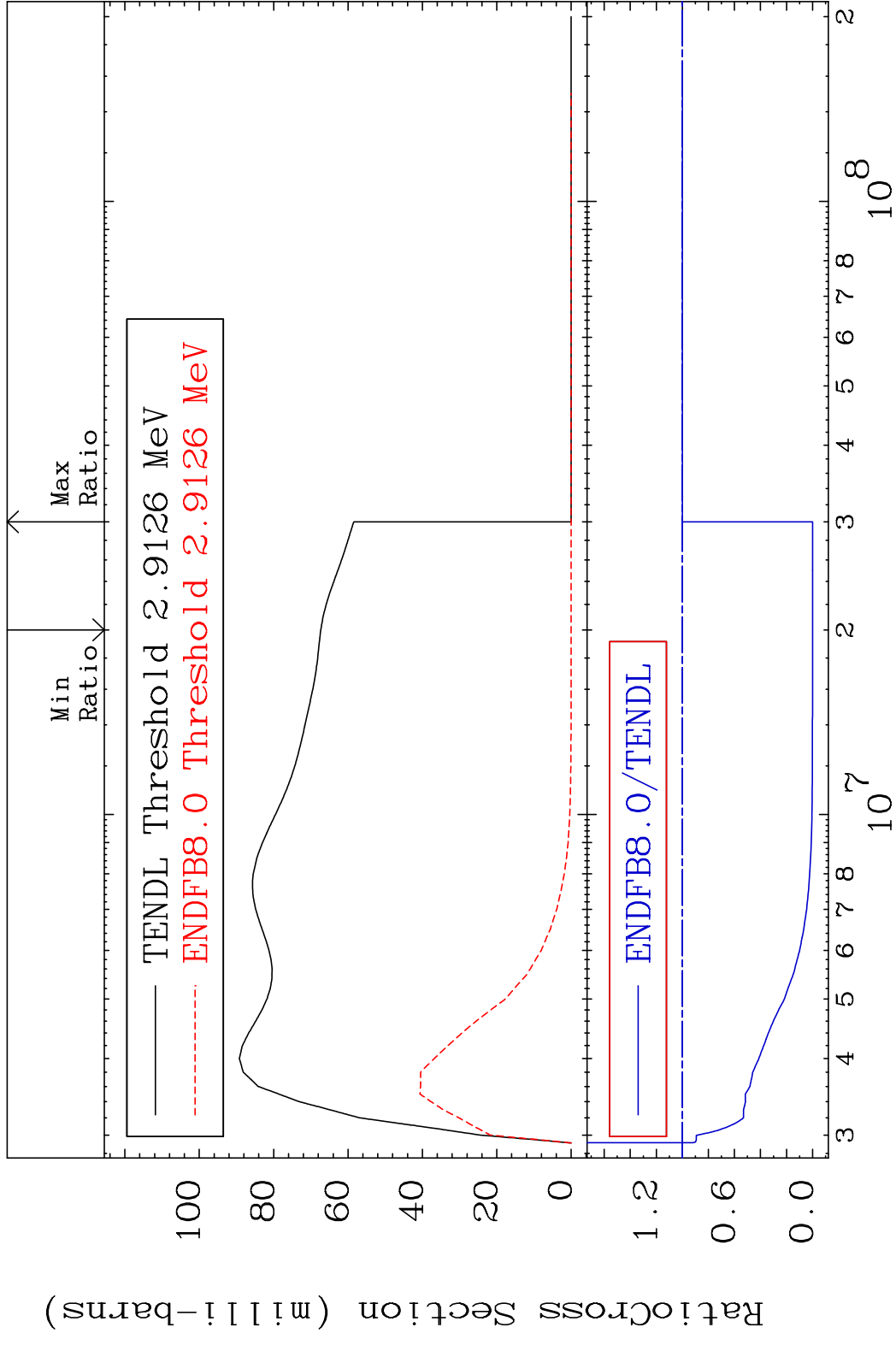
MAT 2843 MT= 53 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 4329. %



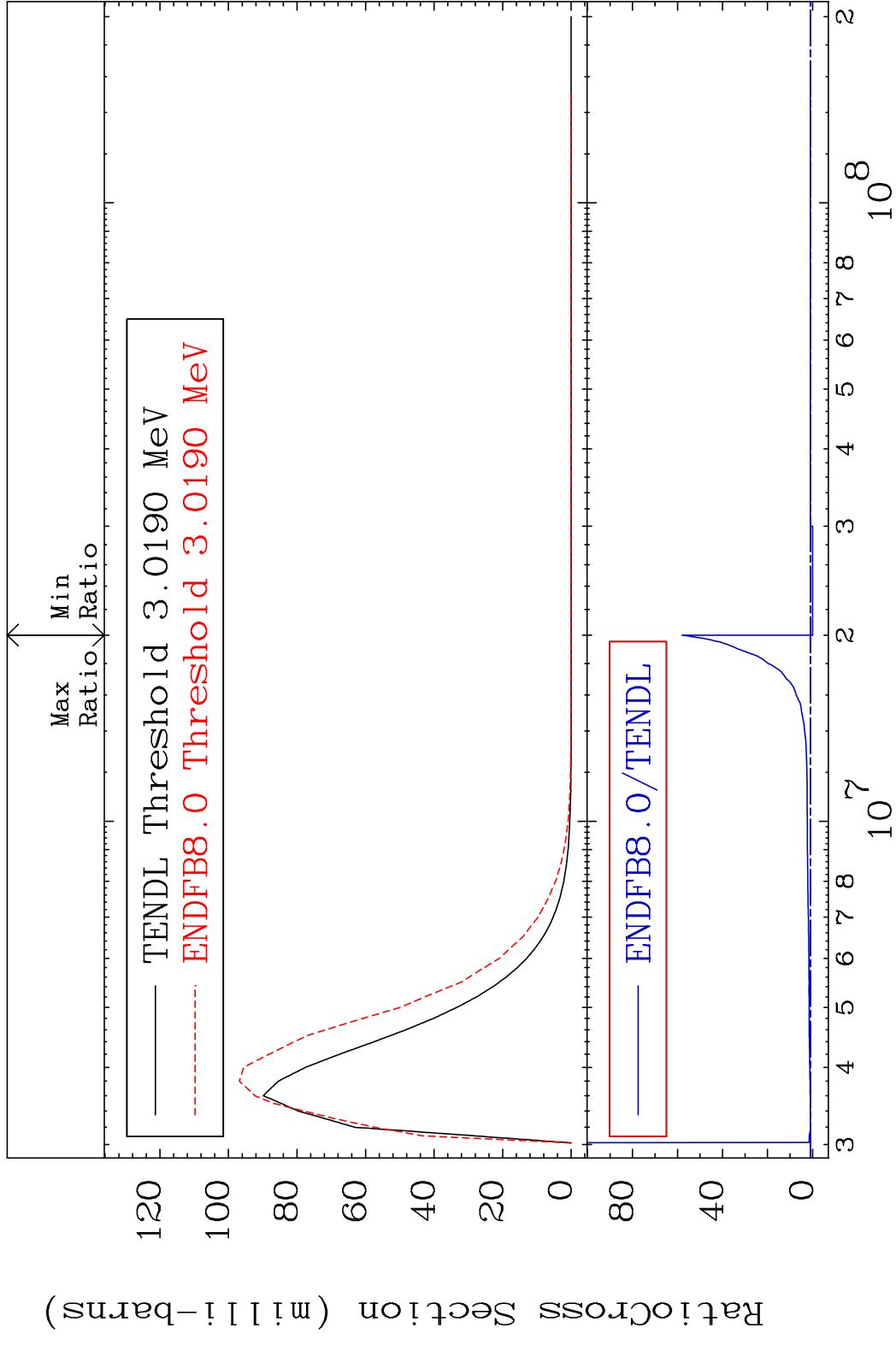
MAT 2843 MT= 54 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 37.91 %



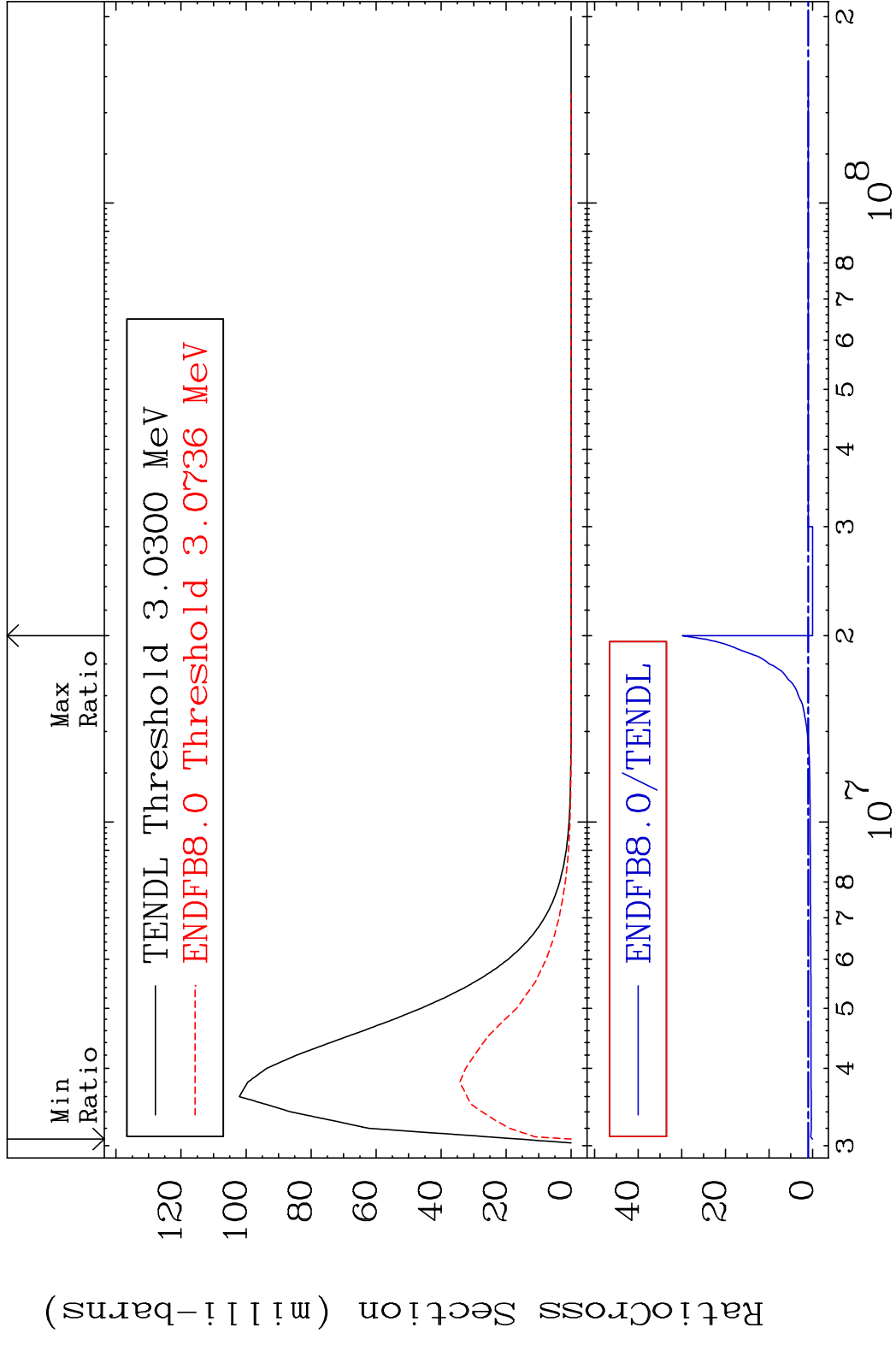
MAT 2843 MT= 55 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 0.000 %



MAT 2843 MT= 56 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 5686. %

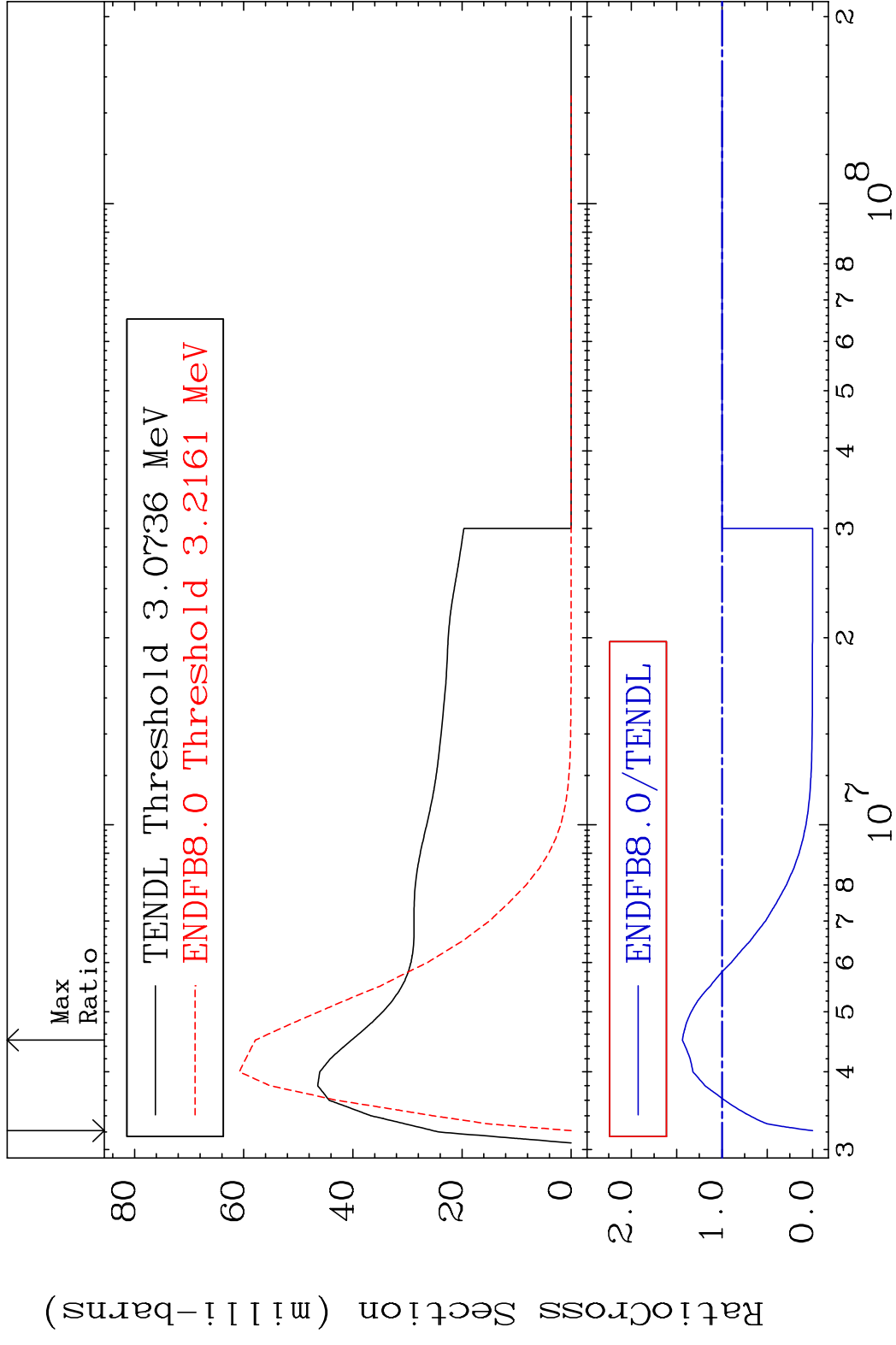


MAT 2843 MT= 57 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 2887. %

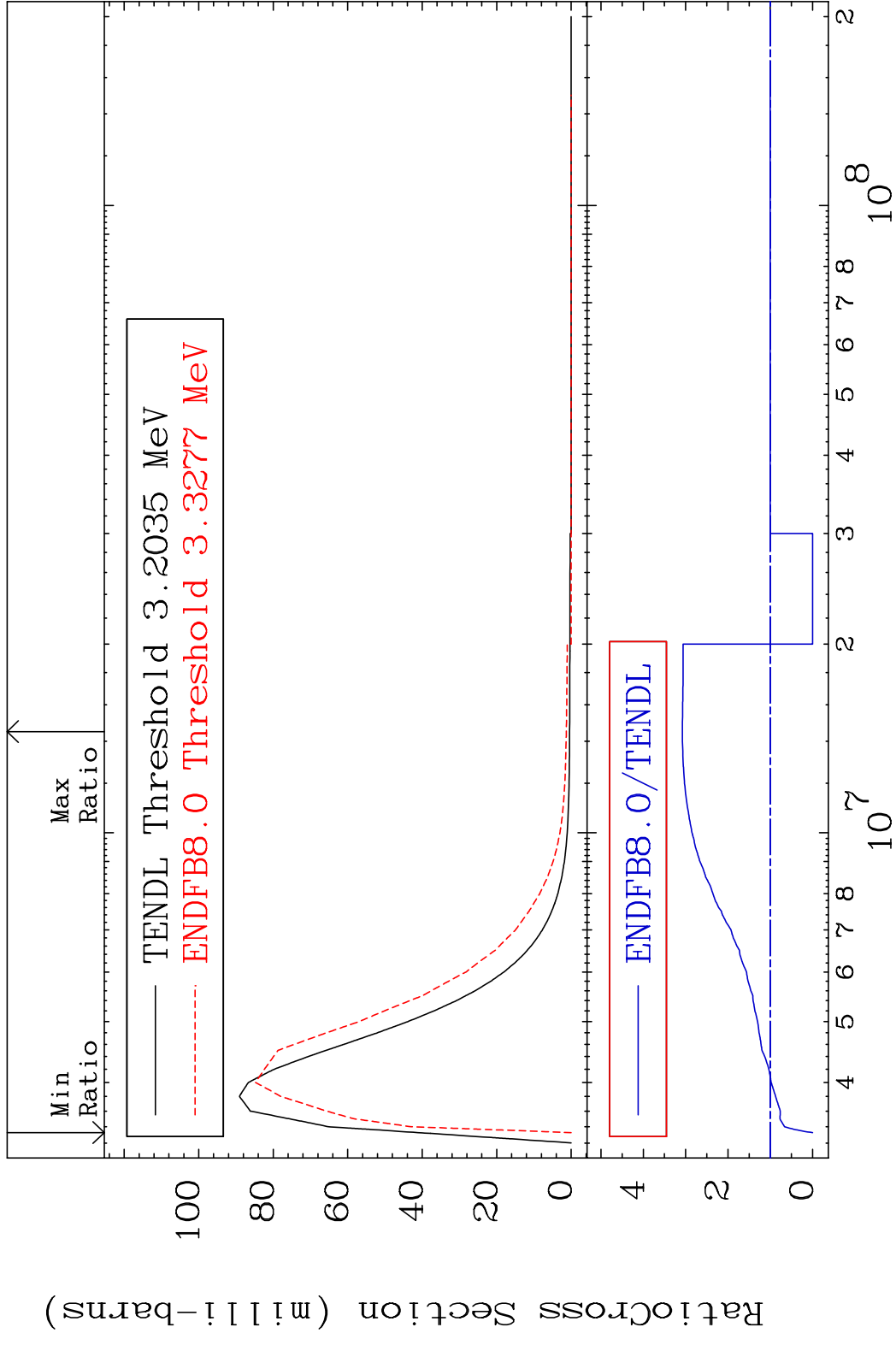




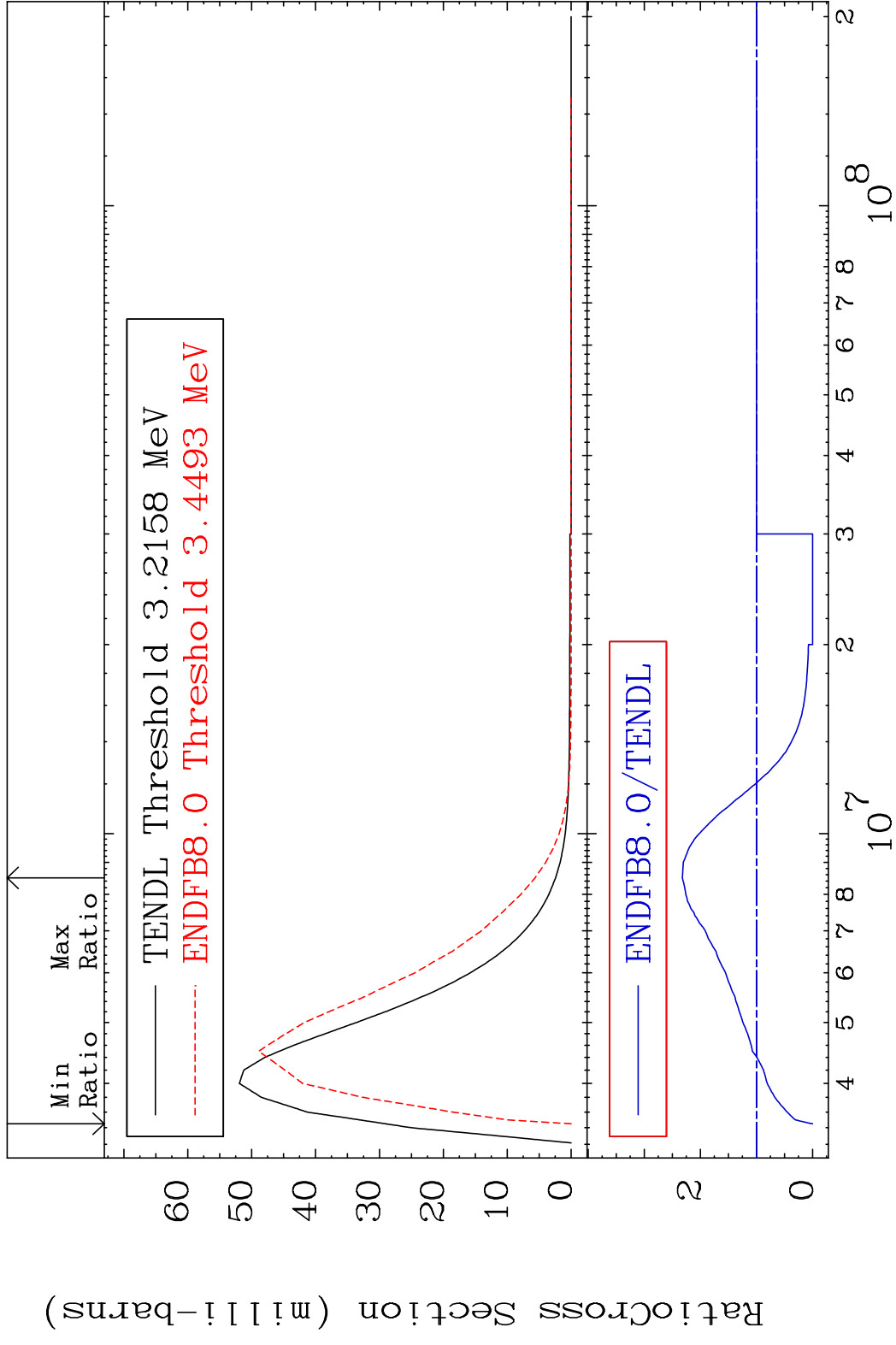
MAT 2843 MT= 58 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 43.75 %



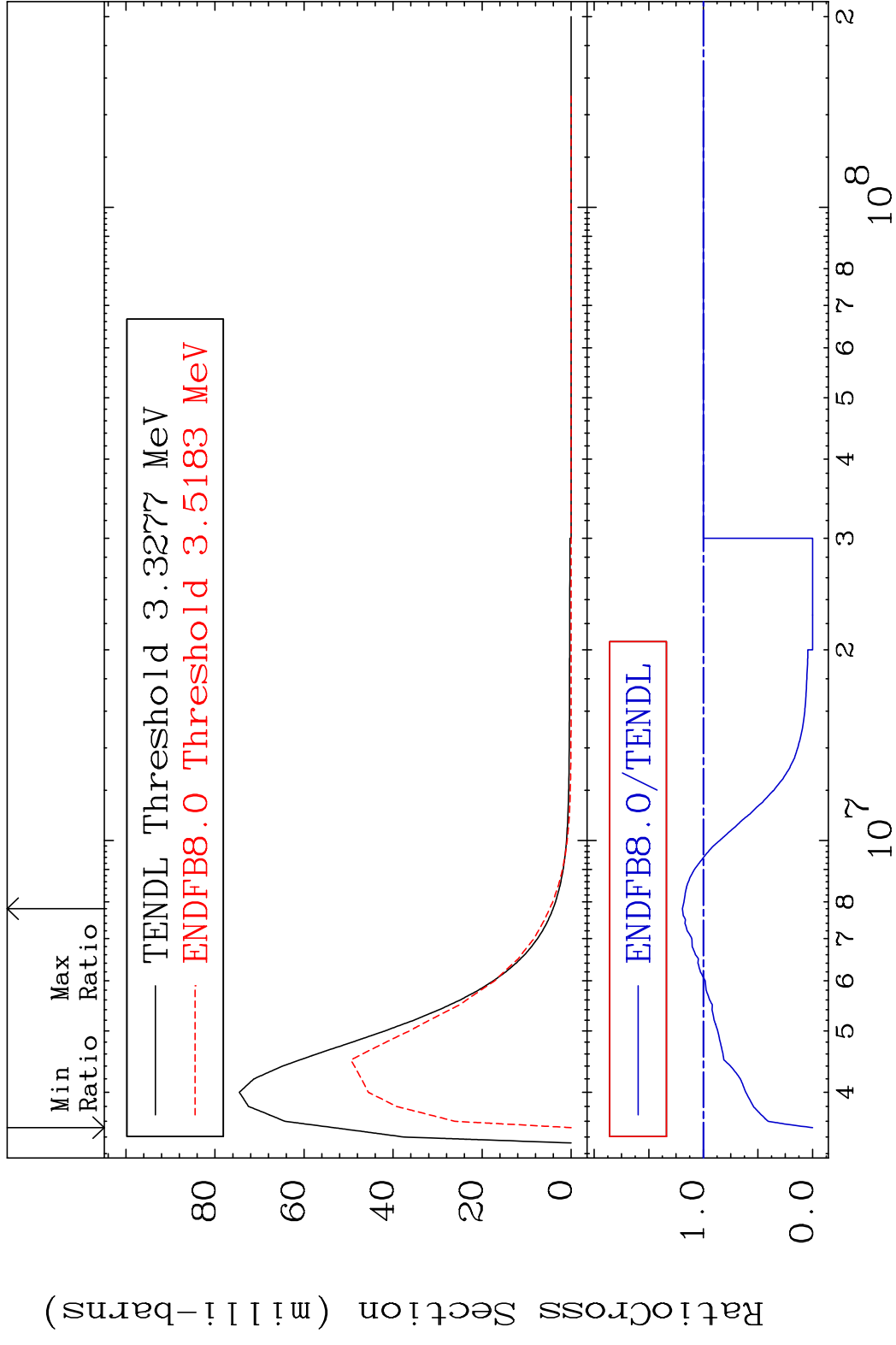
MAT 2843 MT= 59 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 207.8 %



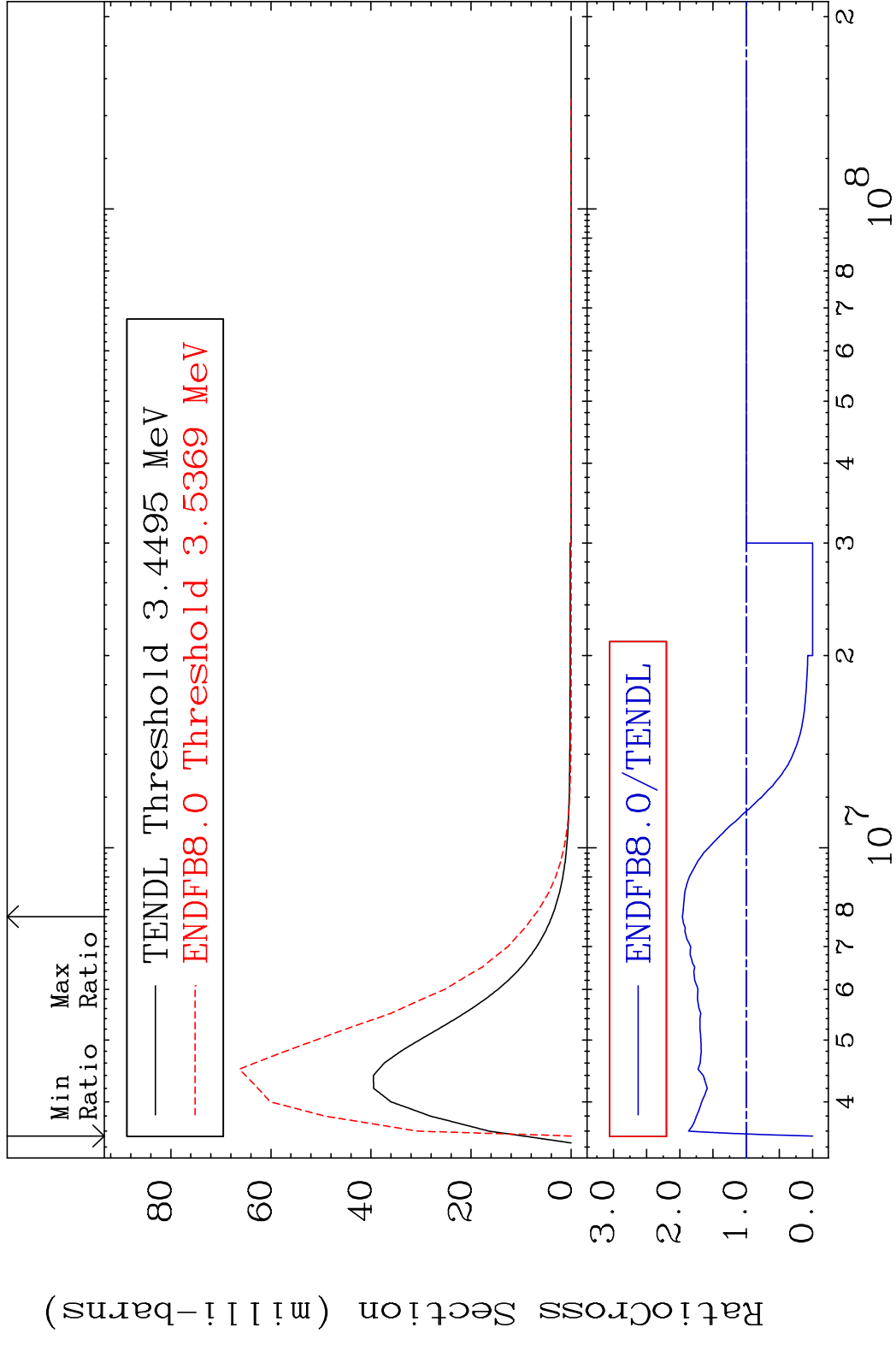
MAT 2843 MT= 60 (n,n') Level 28-Ni-64  
 Cross Section -100.0 To 132.1 %



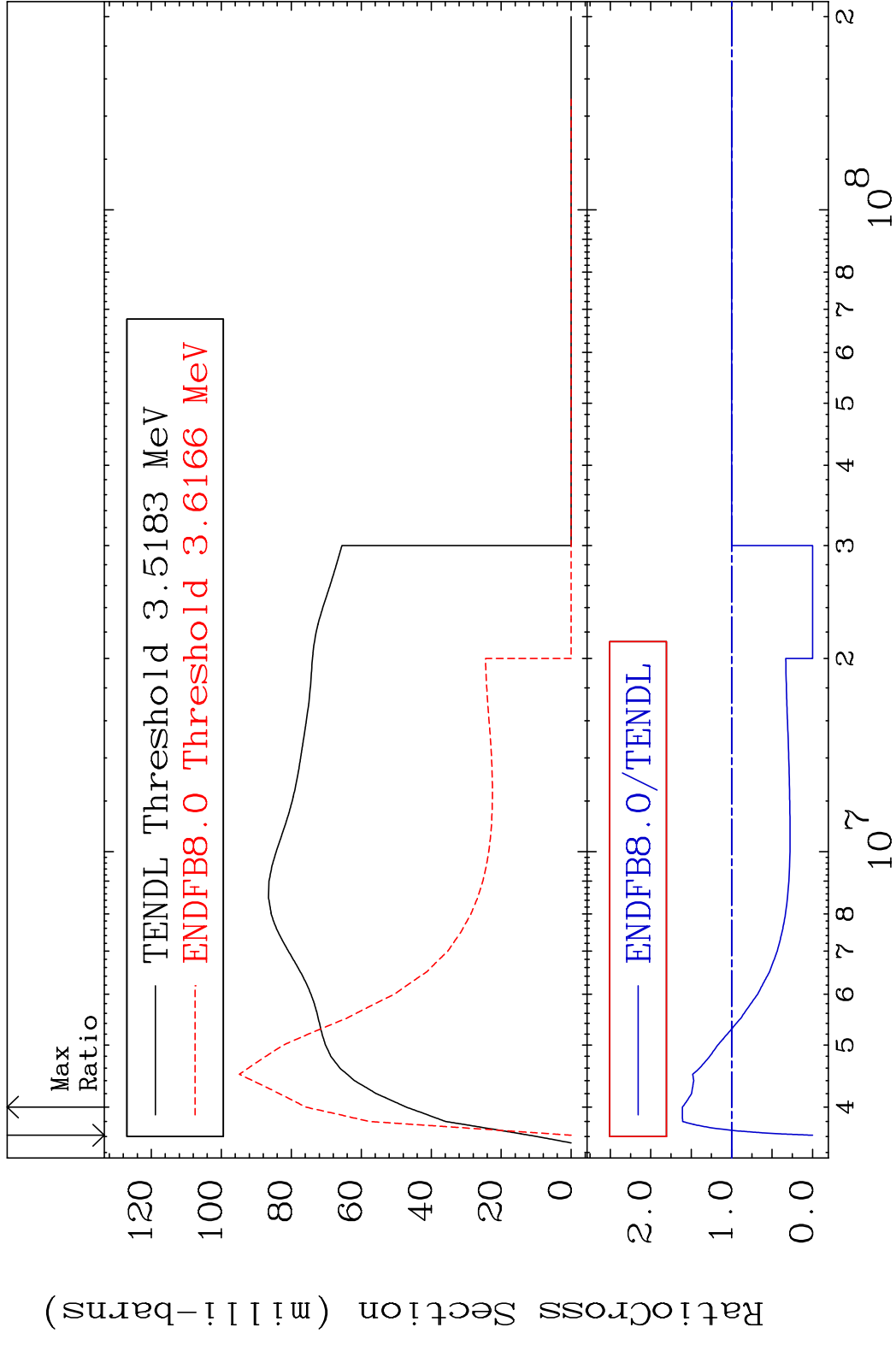
MAT 2843 MT= 61 (n,n') Level 28-Ni-64  
 Cross Section -100.0 To 19.24 %



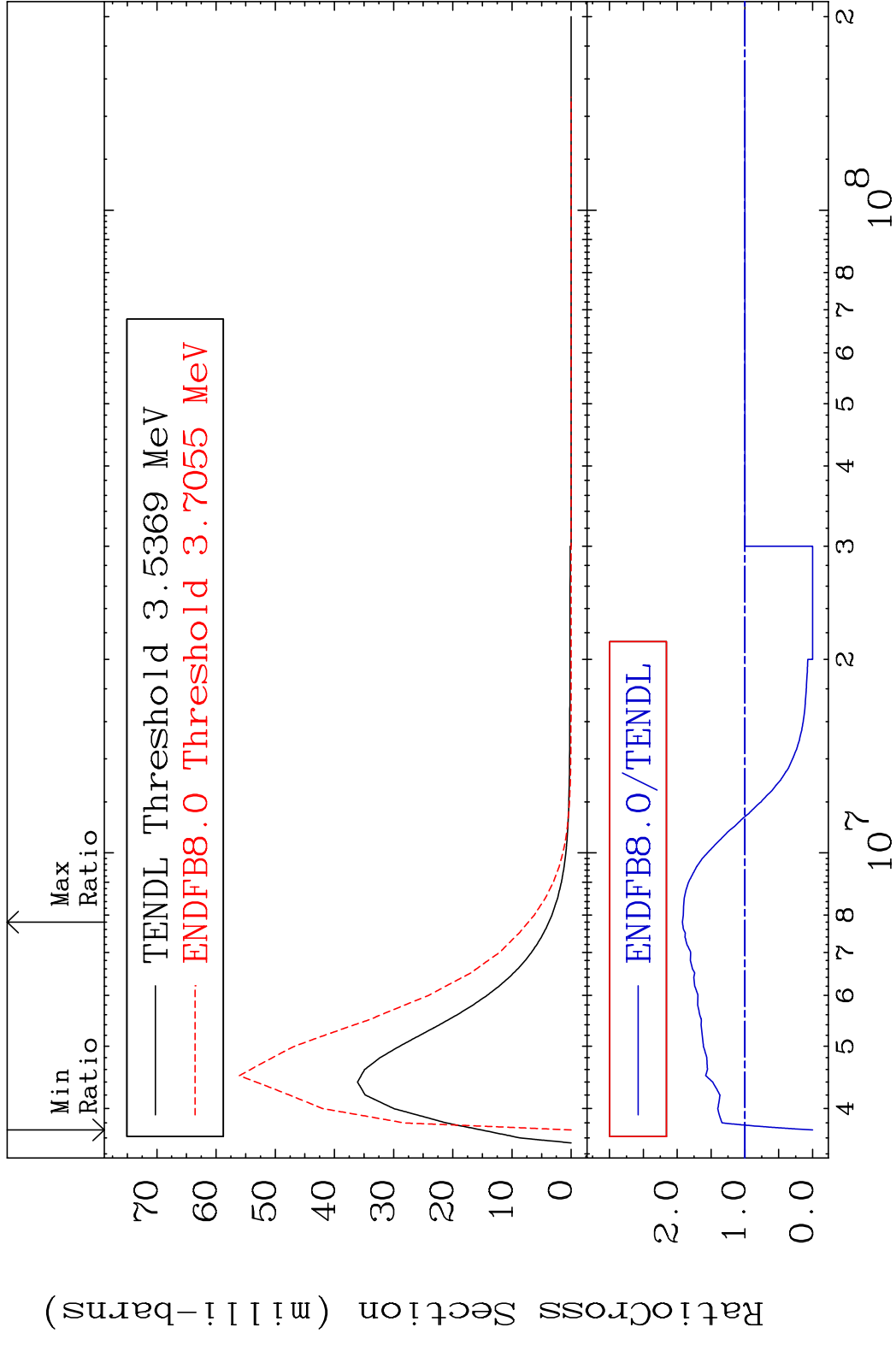
MAT 2843 MT= 62 (n,n') Level 28-Ni-64  
 Cross Section -100.0 To 96.14 %



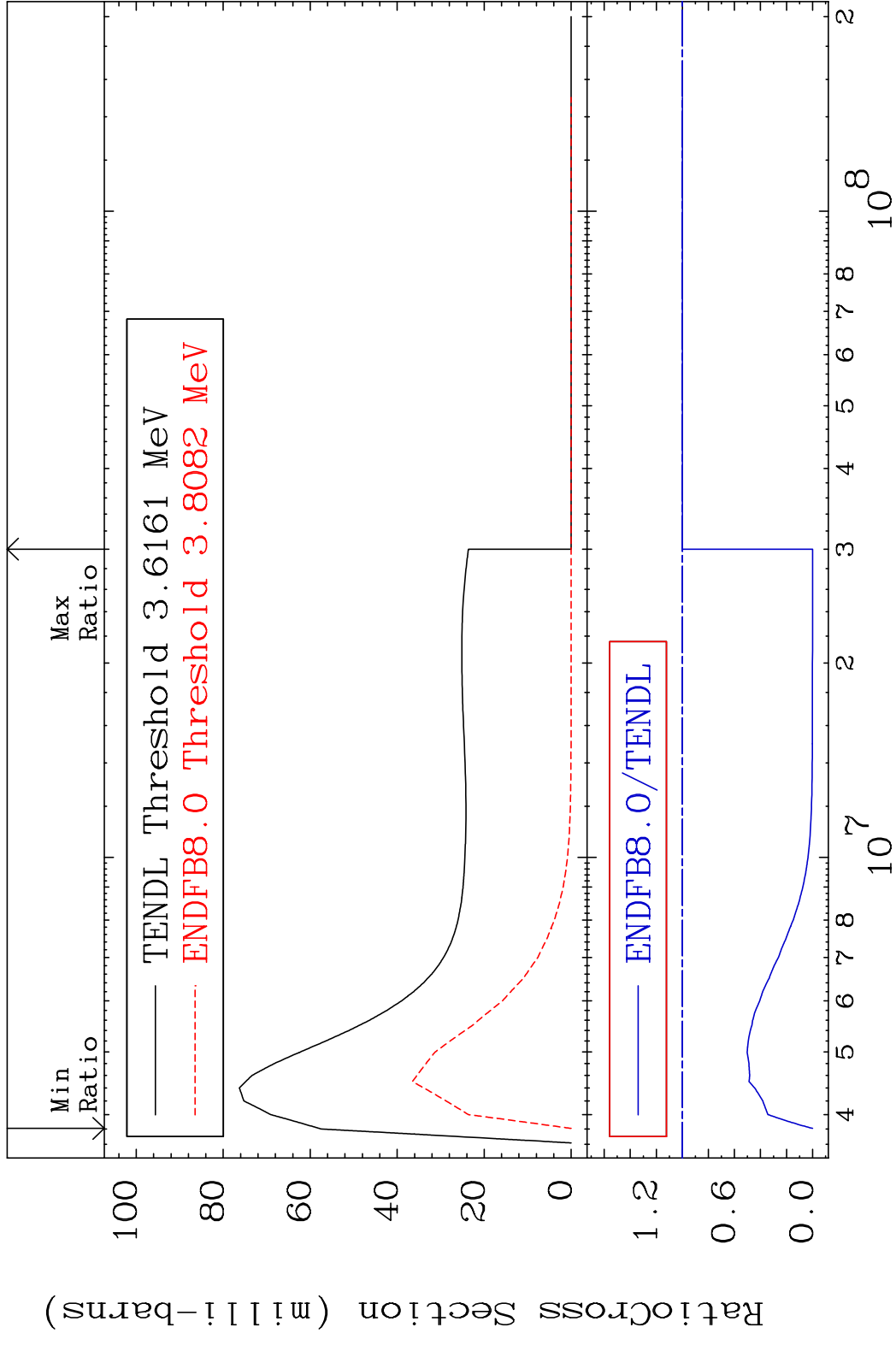
MAT 2843 MT= 63 (n,n') Level 28-Ni-64  
 Cross Section -100.0 To 60.97 %



MAT 2843 MT= 64 (n,n') Level 28-Ni-64  
 Cross Section -100.0 To 92.37 %

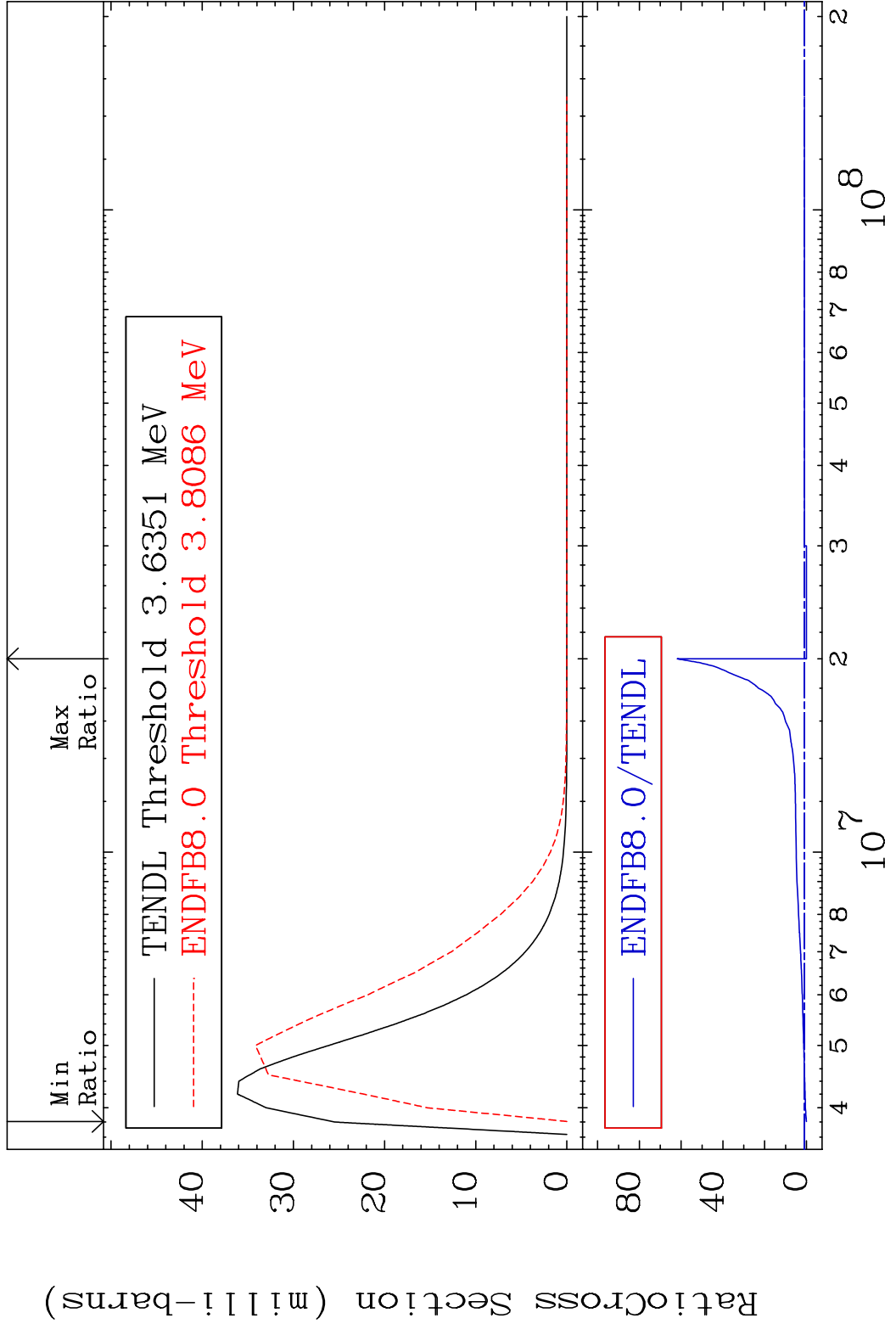


MAT 2843 MT= 65 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 0.000 %

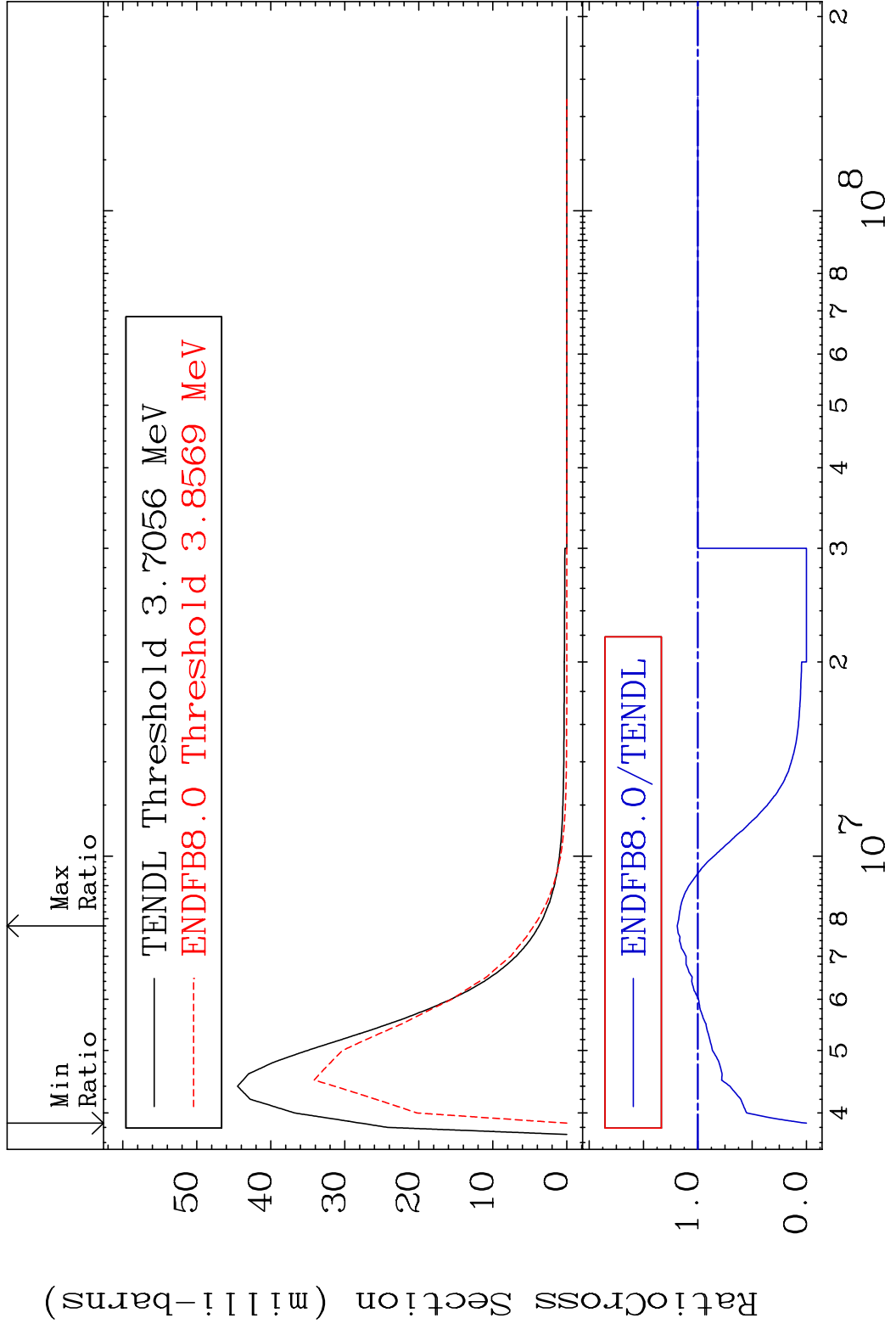




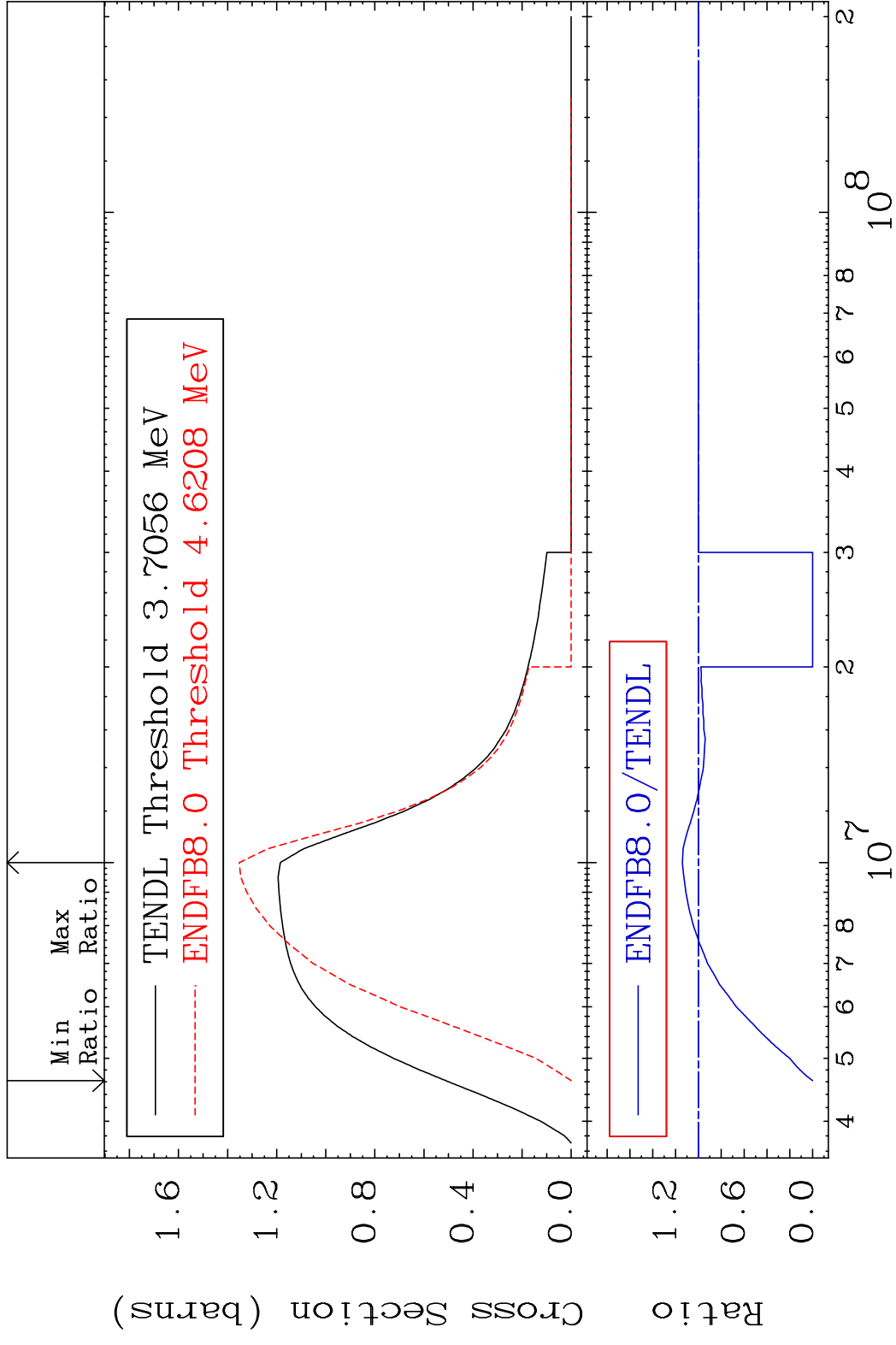
MAT 2843 MT= 66 (n,n') Level 28-Ni-64  
 Cross Section -100.0 To 6090. %



MAT 2843 MT= 67 (n, n') Level 28-Ni-64  
 Cross Section -100.0 To 19.01 %

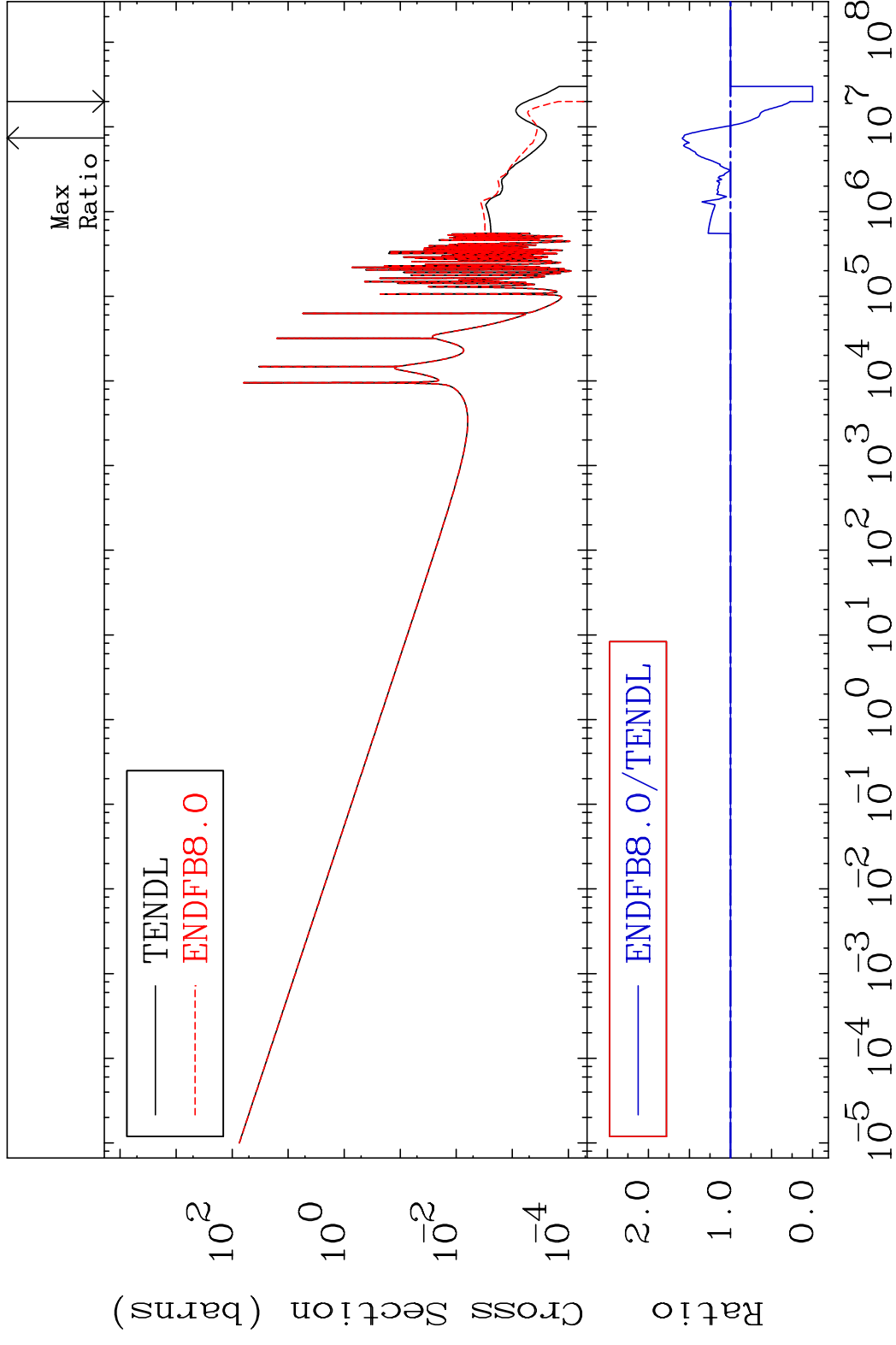


MAT 2843 (n,n') Continuum 28-Ni-64  
 Cross Section -100.0 To 14.09 %



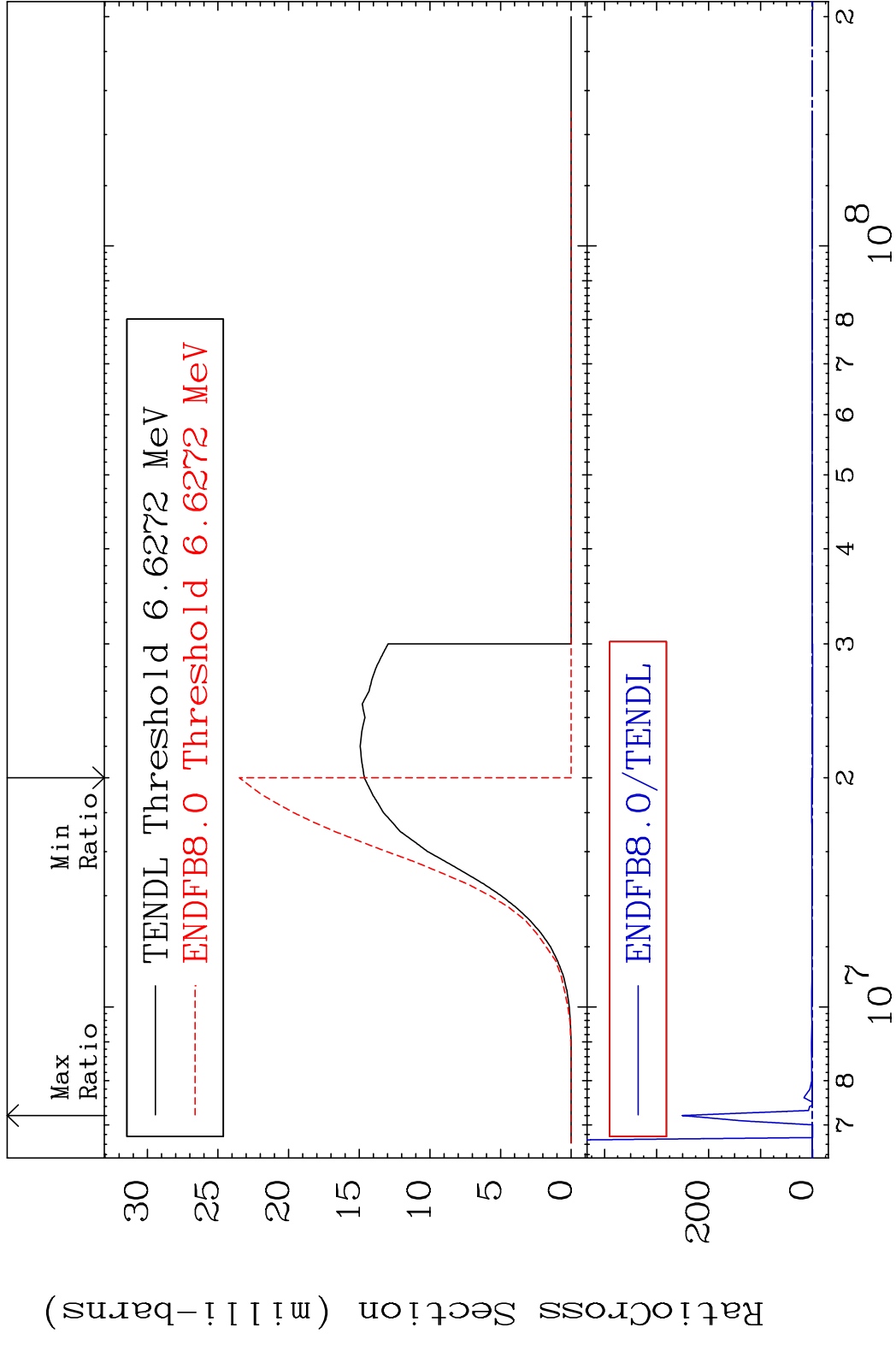
26 Incident Energy (eV) 28-Ni-64

MAT 2843 (n,  $\gamma$ ) 28-Ni-64  
 Cross Section -100.0 To 58.62 %



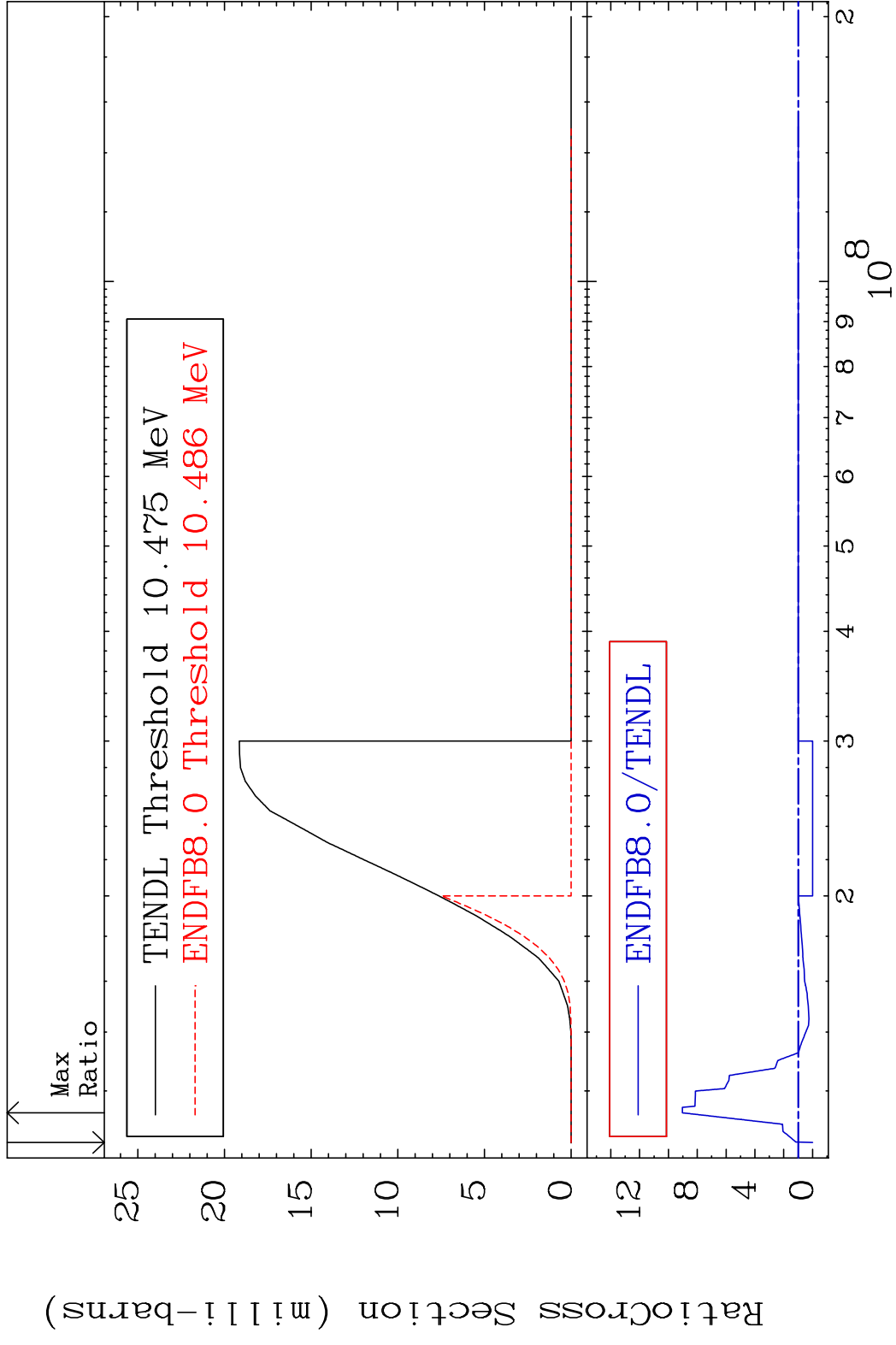
27 Incident Energy (eV) 28-Ni-64

MAT 2843 (n,p) 28-Ni-64  
 Cross Section -100.0 To 9999. %

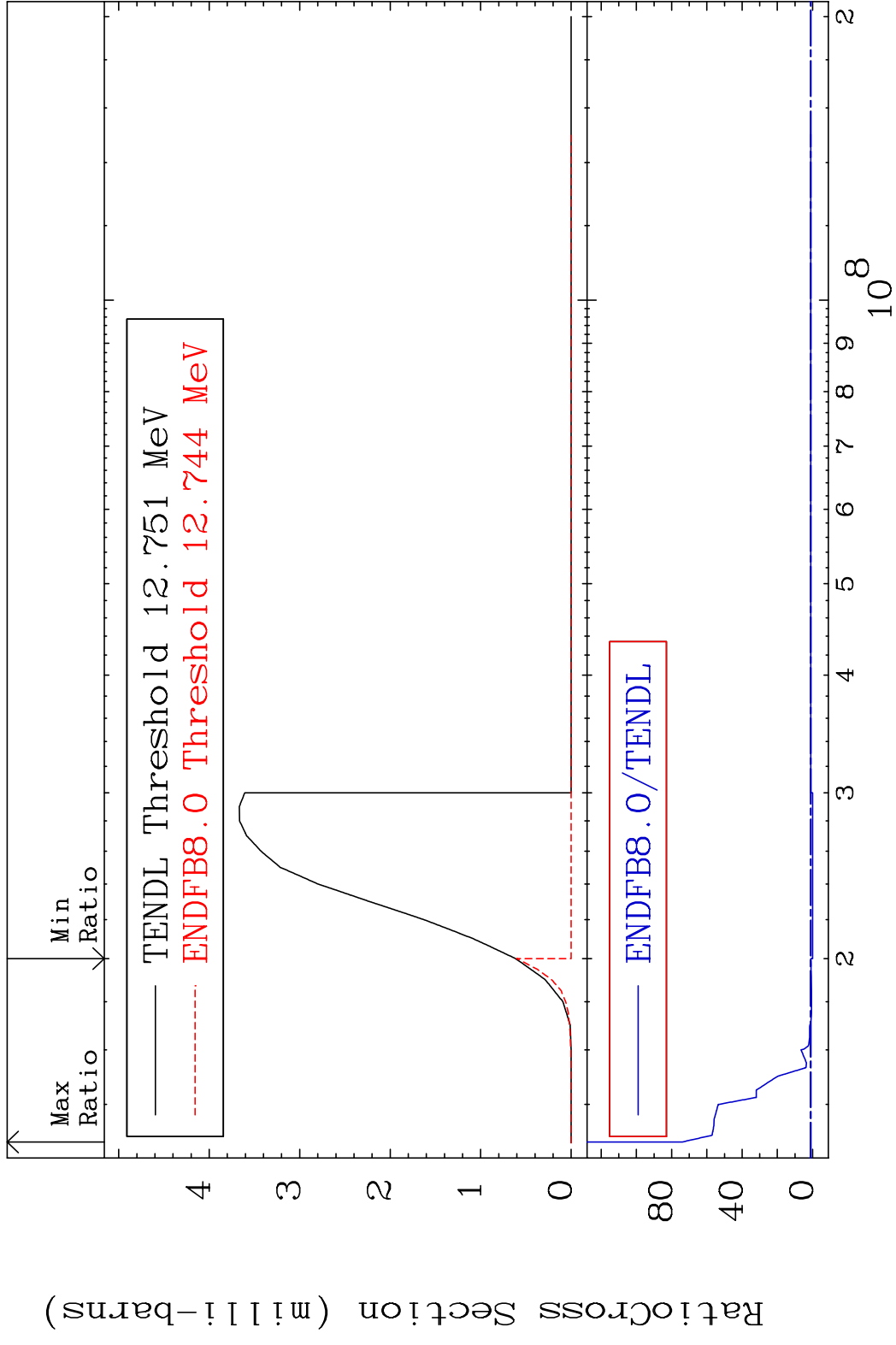


28 Incident Energy (eV) 28-Ni-64

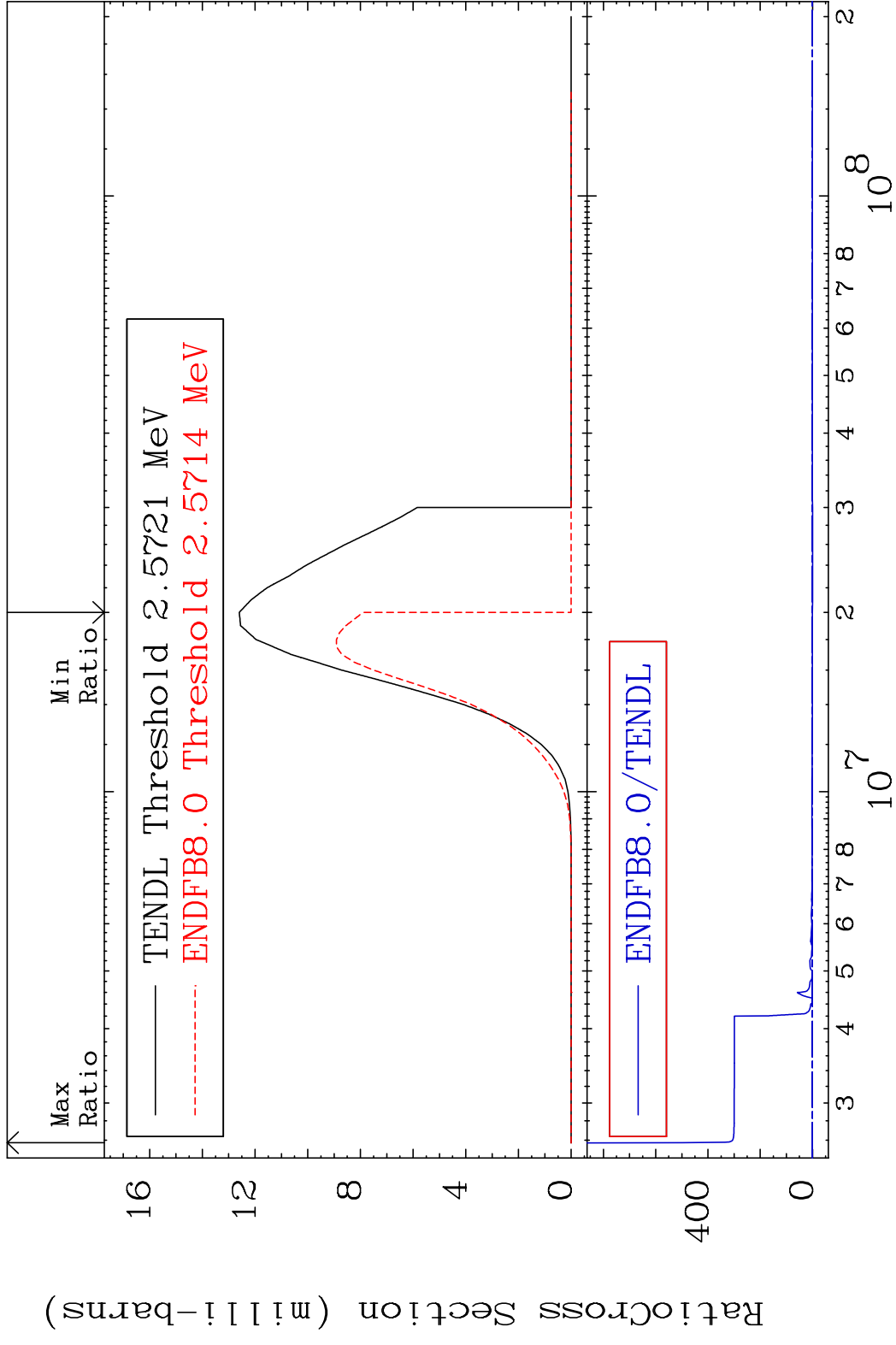
MAT 2843 (n,d) 28-Ni-64  
 Cross Section -100.0 To 803.4 %



MAT 2843 (n, t) 28-Ni-64  
 Cross Section -100.0 To 7293. %

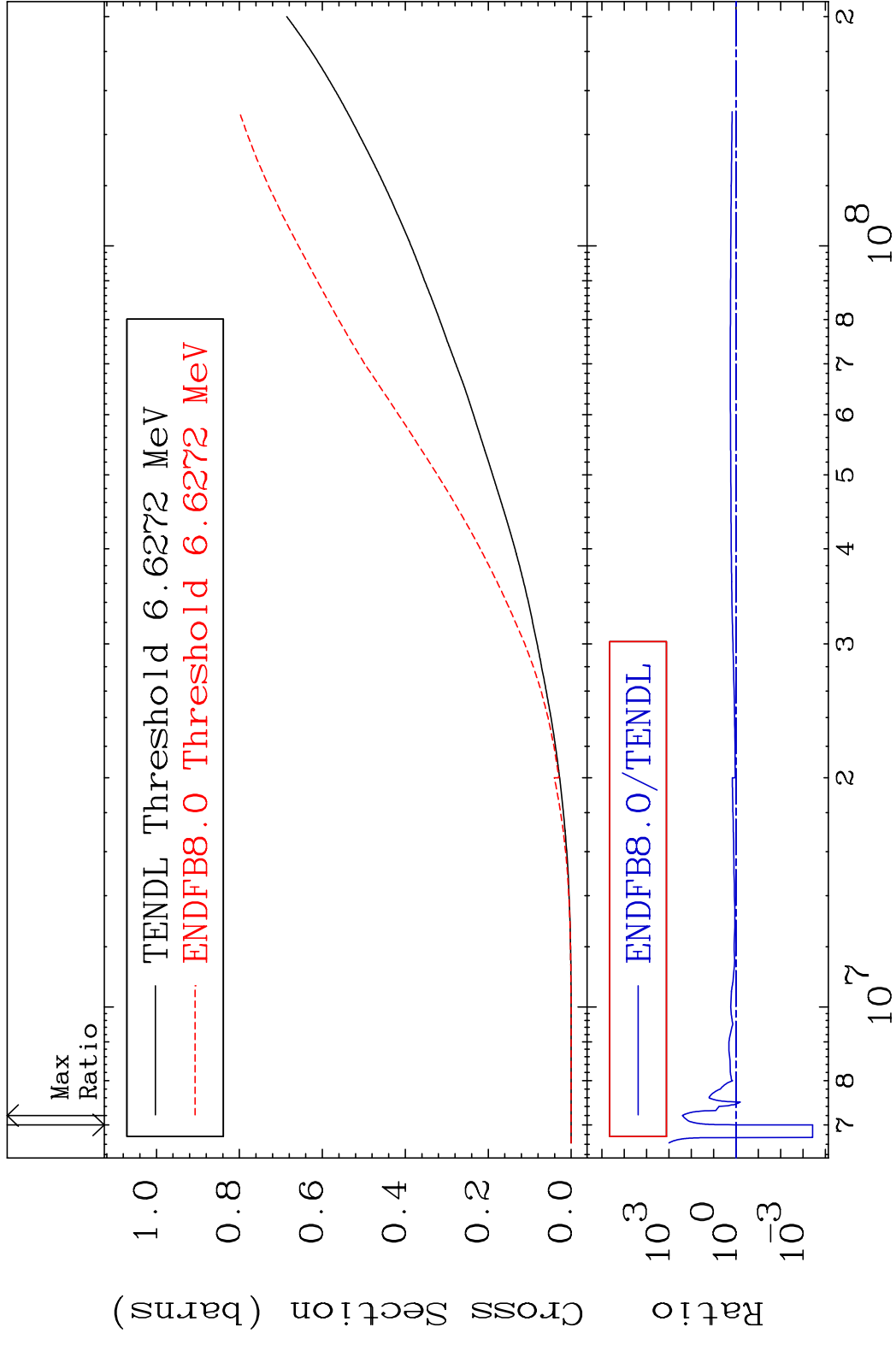


MAT 2843 (n,α) 28-Ni-64  
 Cross Section -100.0 To 9999. %

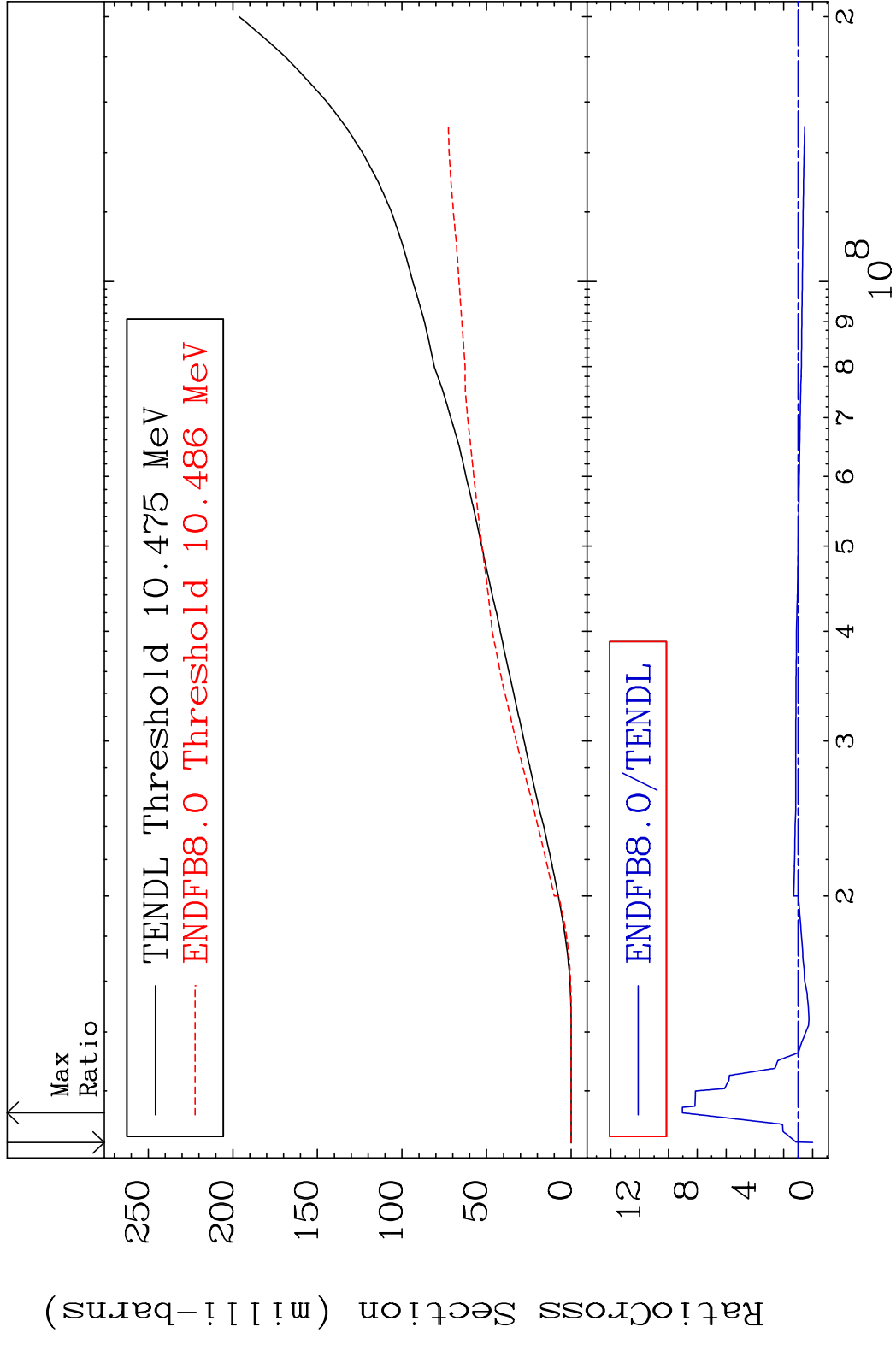




MAT 2843 Hydrogen Production 28-Ni-64  
 Cross Section -99.96 To 9999. %

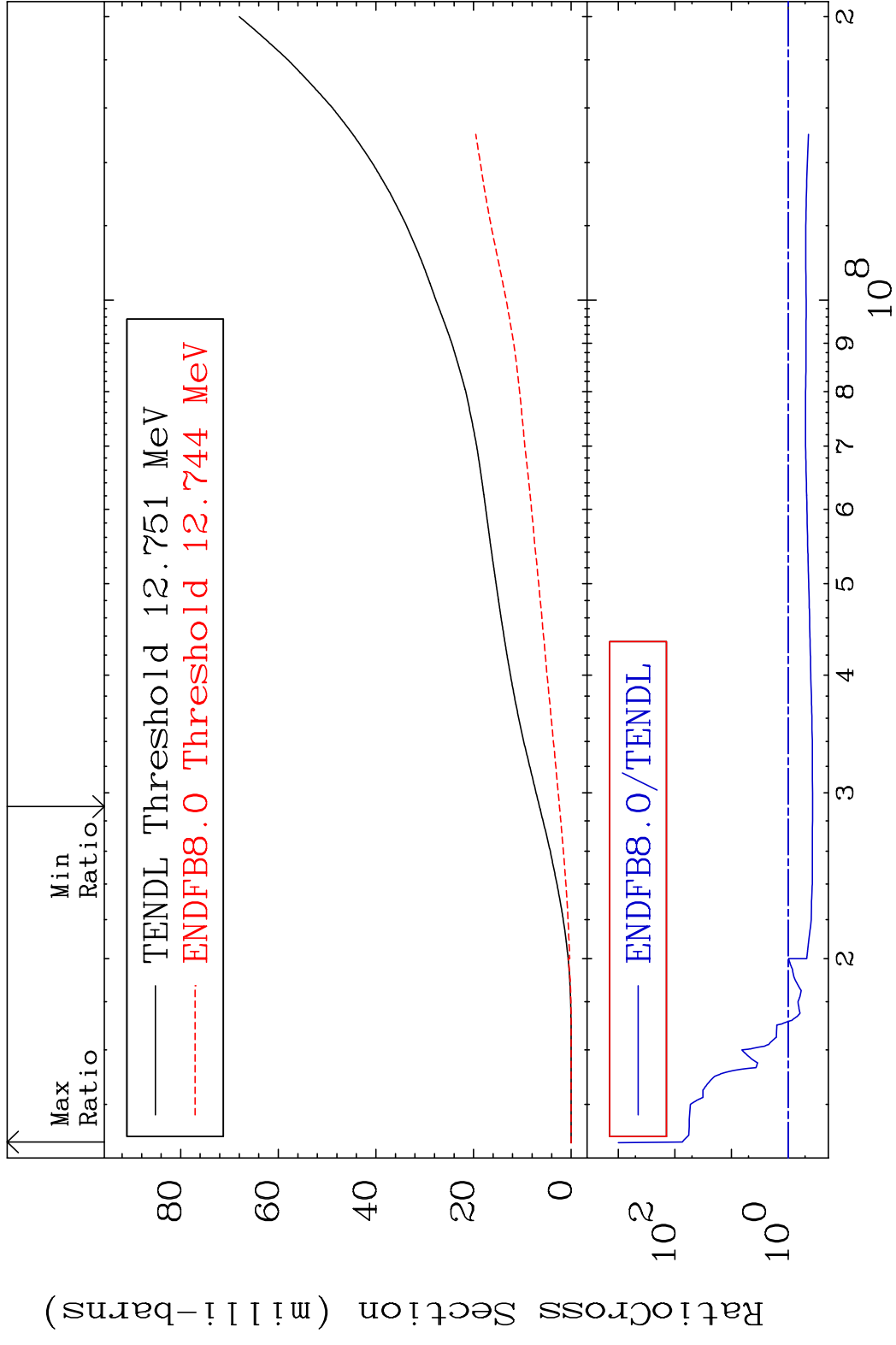


MAT 2843 Deuterium Production <sup>28</sup>Ni-64  
 Cross Section -100.0 To 803.4 %



MAT 2843

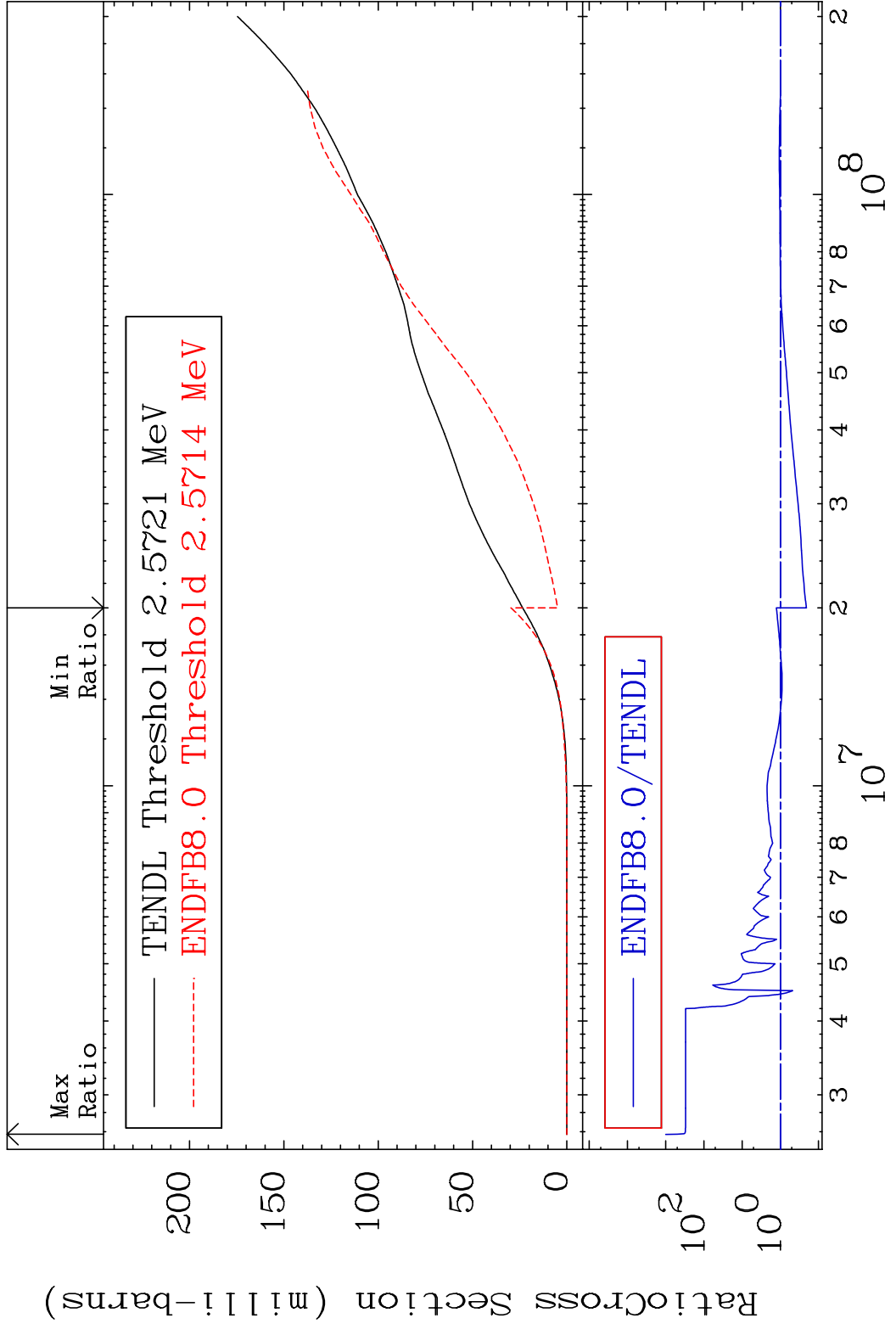
Tritium Production 28-Ni-64  
Cross Section -63.03 To 7293. %



34

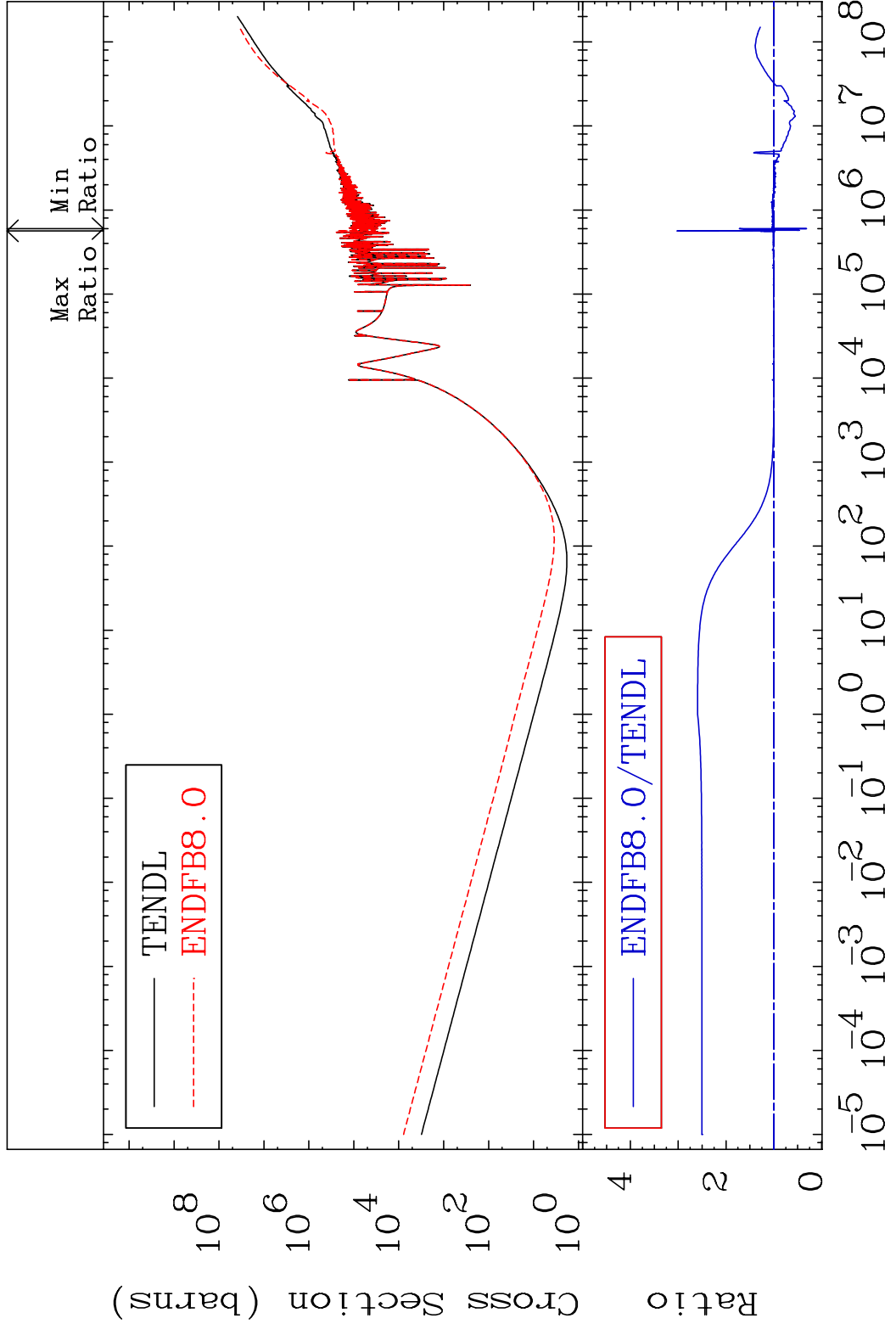
Incident Energy (eV) 28-Ni-64

MAT 2843 He-4 Production 28-Ni-64  
 Cross Section -79.22 To 9999. %



35 28-Ni-64

MAT 2843 Kerma total (eV-barns) 28-Ni-64  
 Cross Section -68.21 To 202.1 %

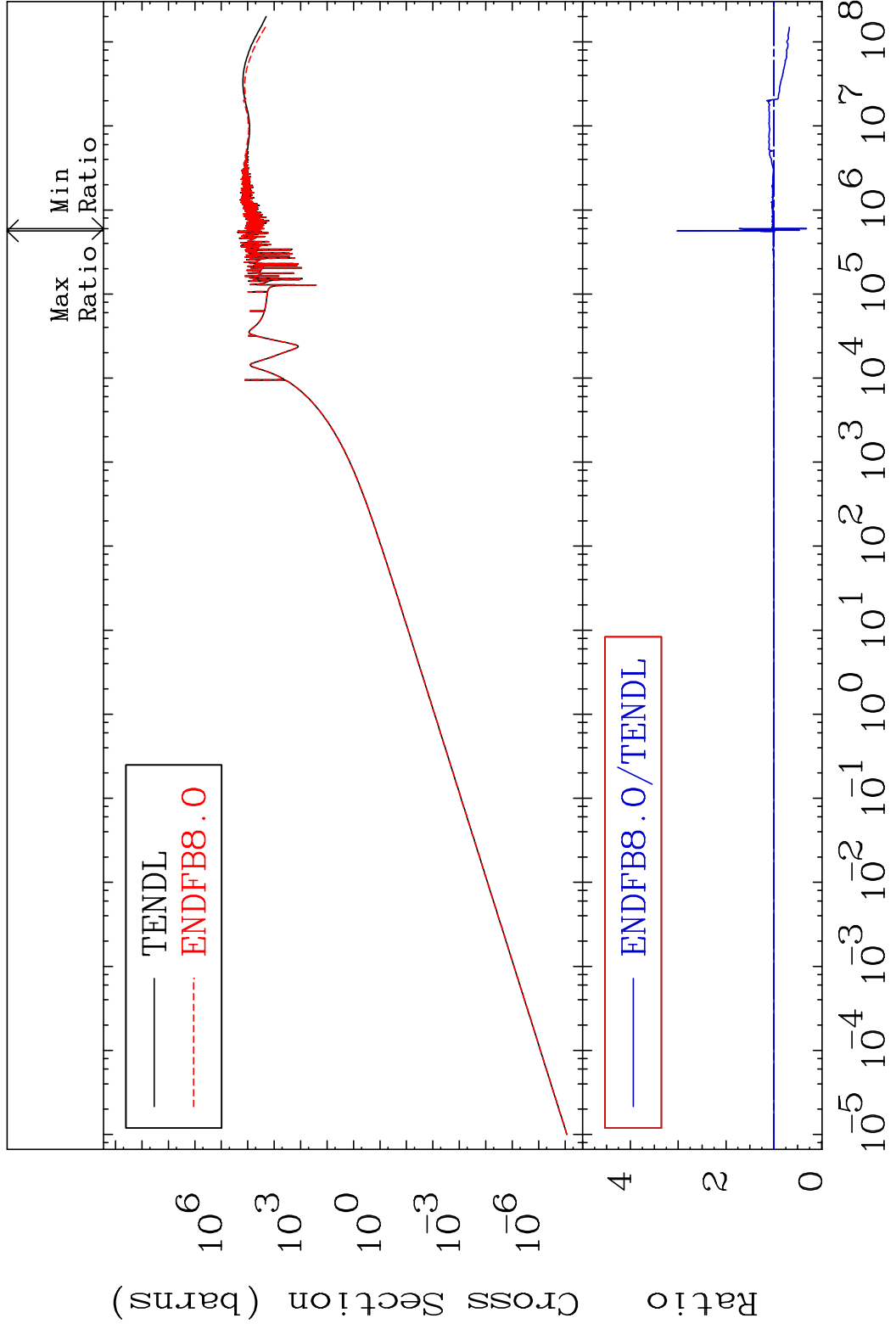


36 Incident Energy (eV) 28-Ni-64

MAT 2843

Kerma elastic  
Cross Section

28-Ni-64  
-68.21 To 202.1 %

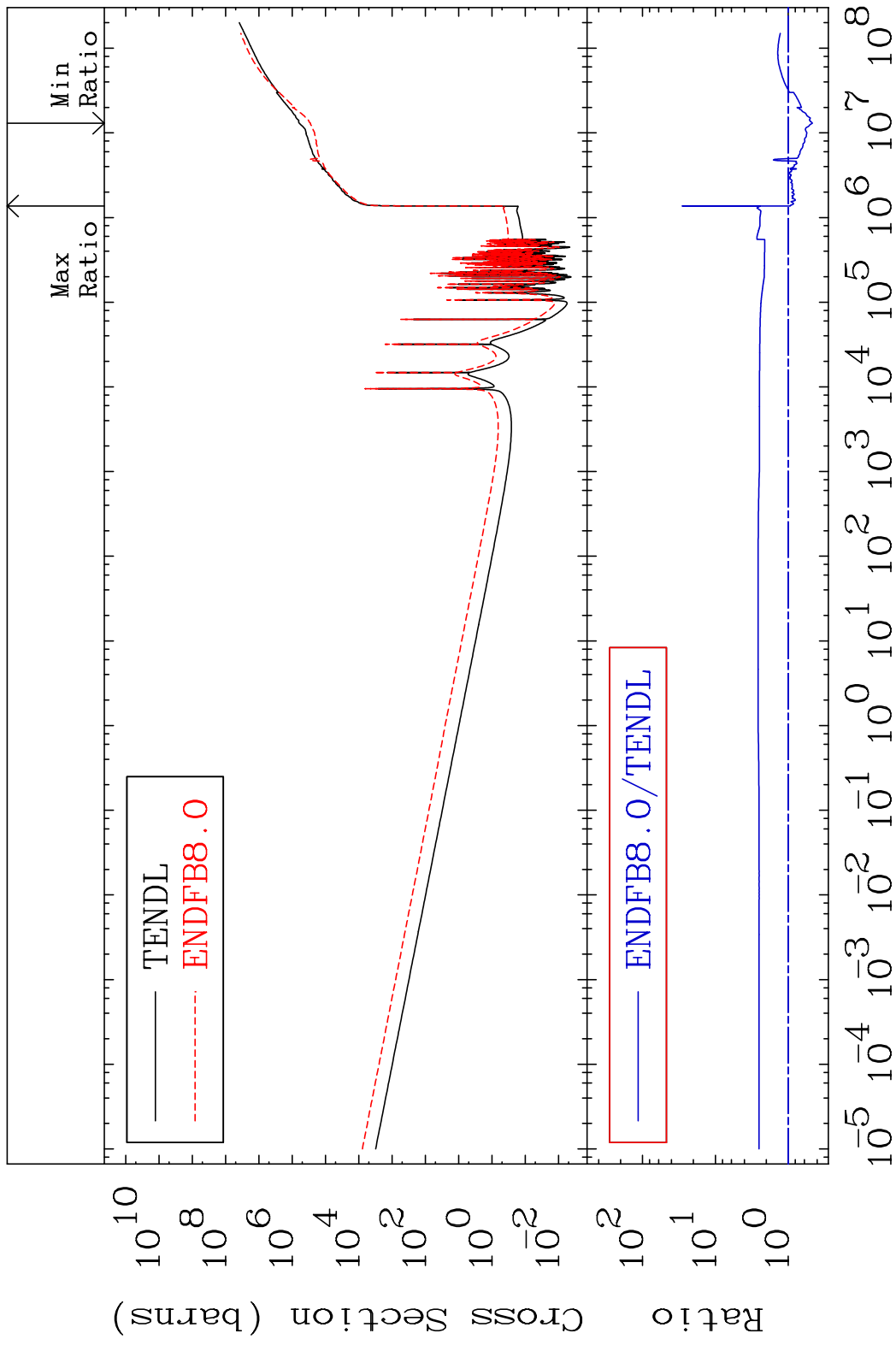


37

Incident Energy (eV)

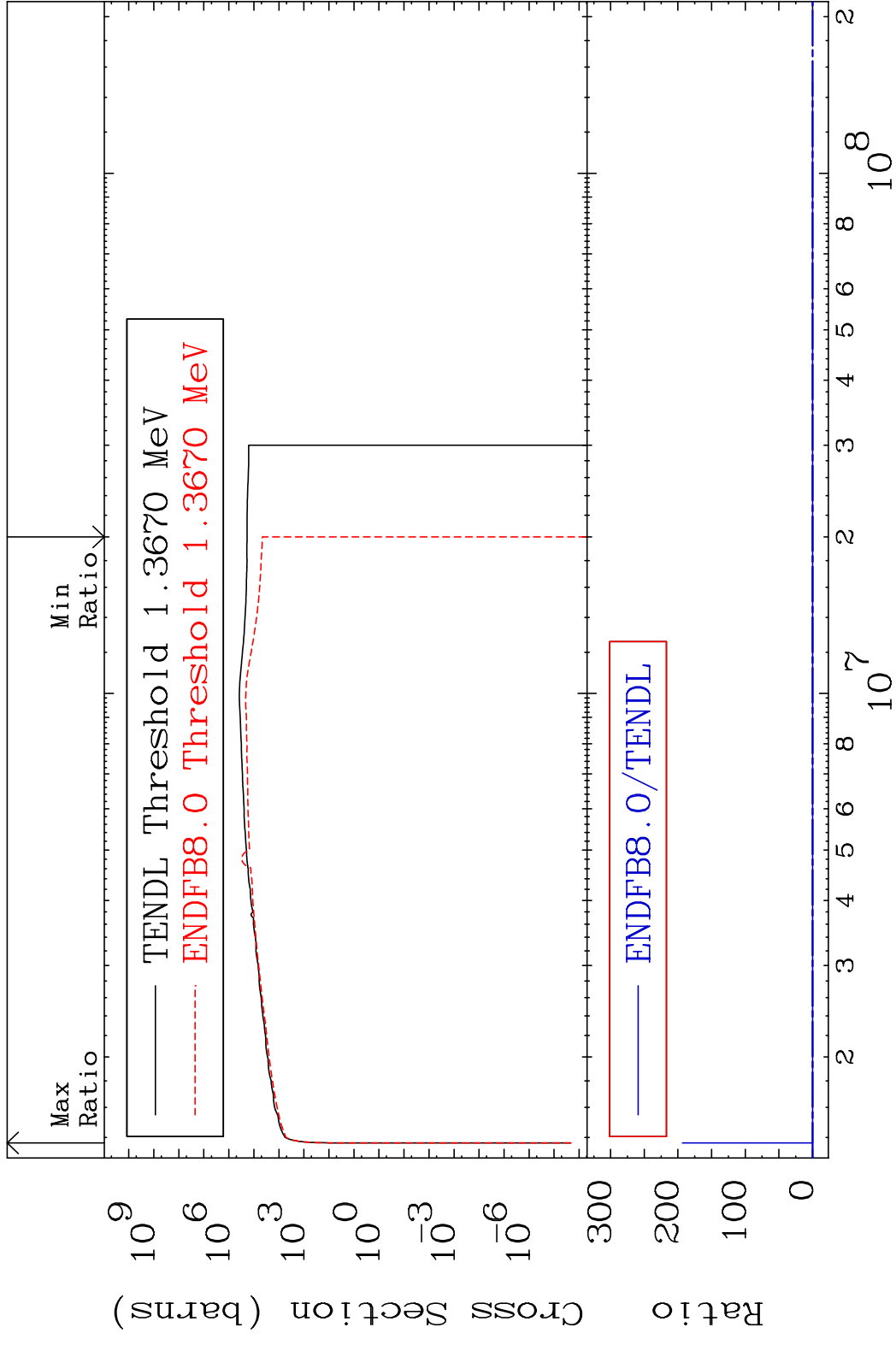
28-Ni-64

MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64  
 Cross Section -53.74 To 2740. %



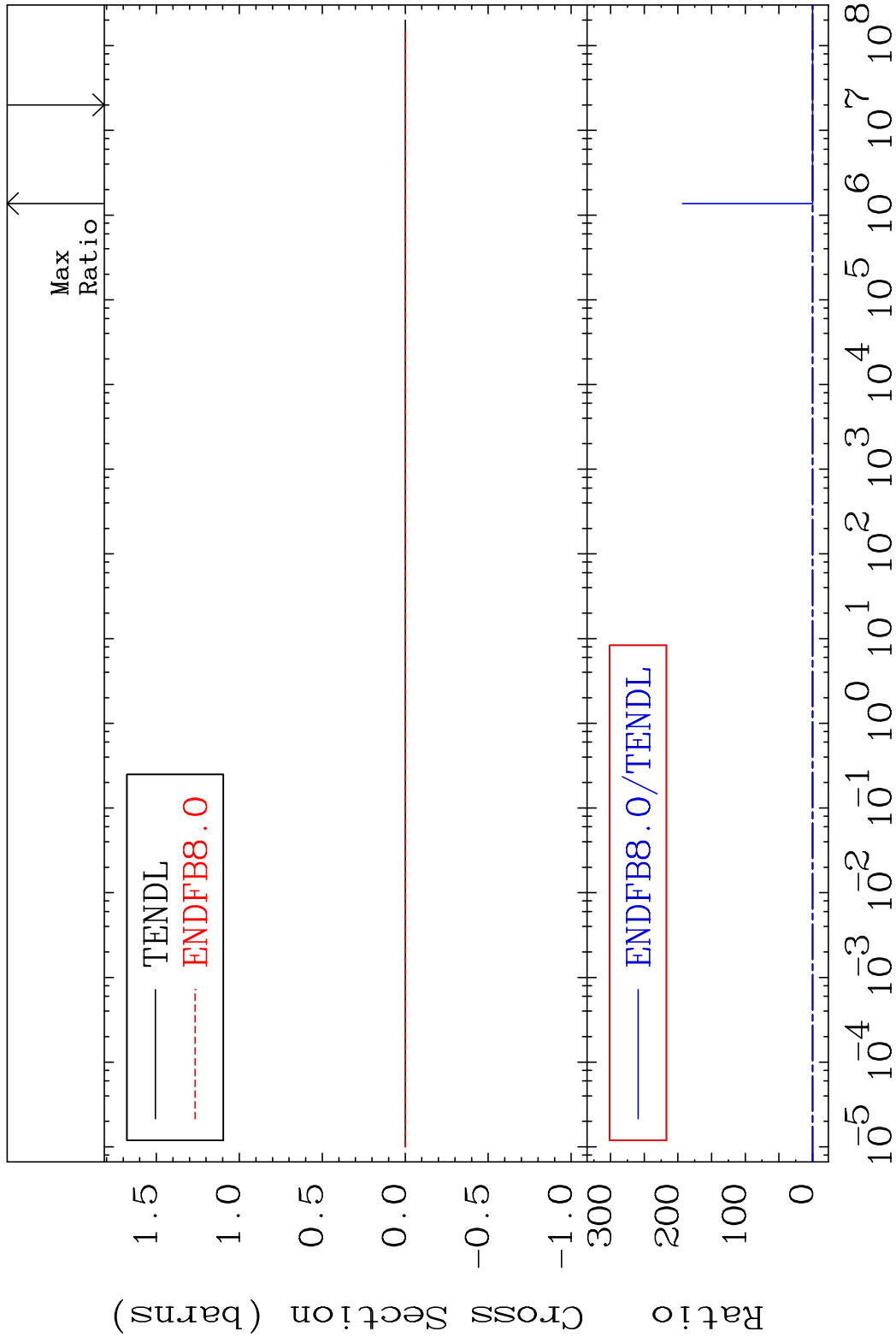
38 Incident Energy (eV) 28-Ni-64

MAT 2843 Kerma inelastic (mt51-91) 28-Ni-64  
 Cross Section -100.0 To 9999. %



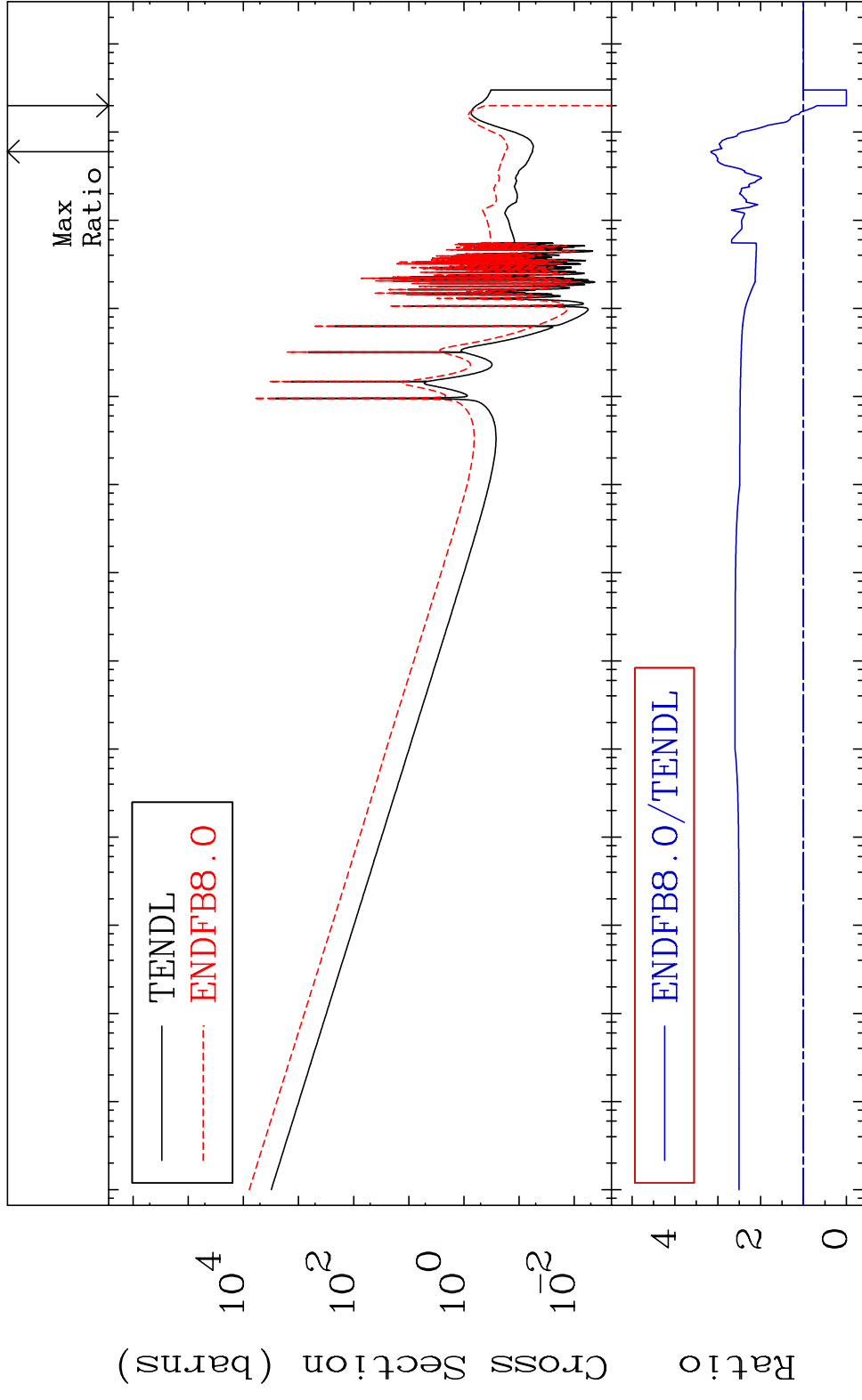


MAT 2843 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-64  
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 28-Ni-64

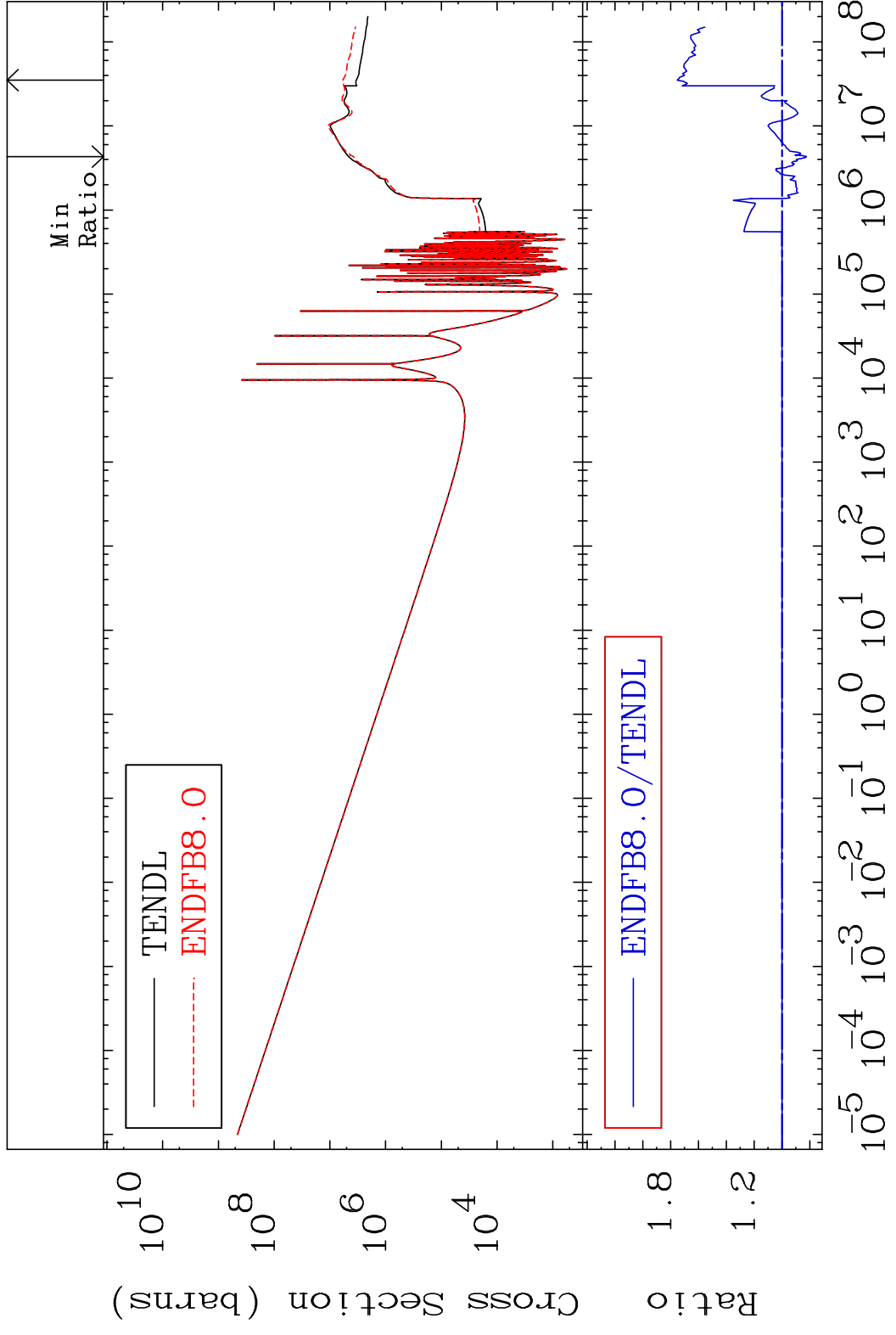
MAT 2843 Kerma capture (mt102) 28-Ni-64  
 Cross Section -100.0 To 216.5 %



41 Incident Energy (eV) 28-Ni-64

MAT 2843

Total photon (eV-barns) 28-Ni-64  
Cross Section -17.57 To 75.30 %

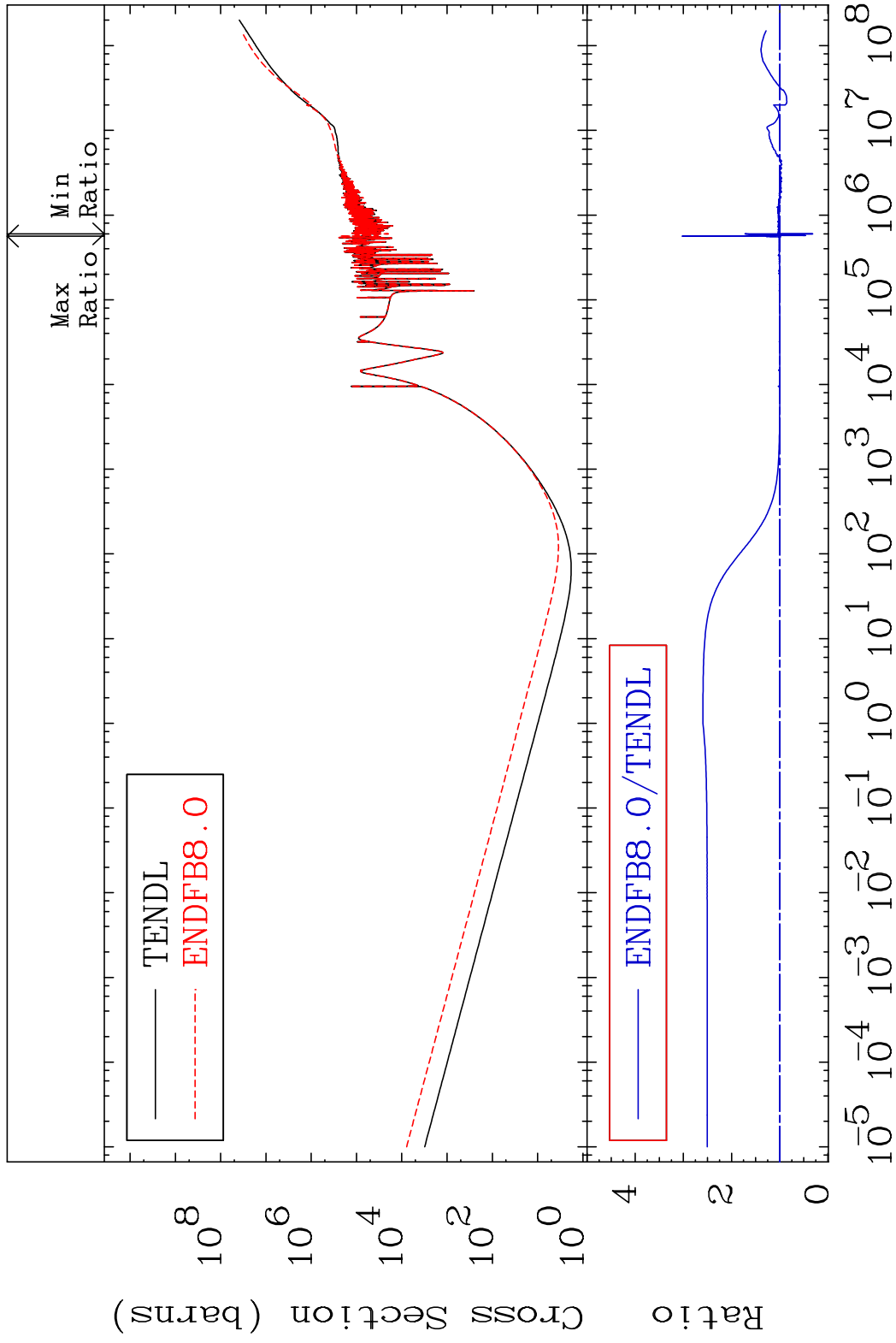


42

Incident Energy (eV)

28-Ni-64

MAT 2843 Total kinematic kerma (high limit) 28-Ni-64  
 Cross Section -68.21 To 202.1 %



43

Incident Energy (eV)

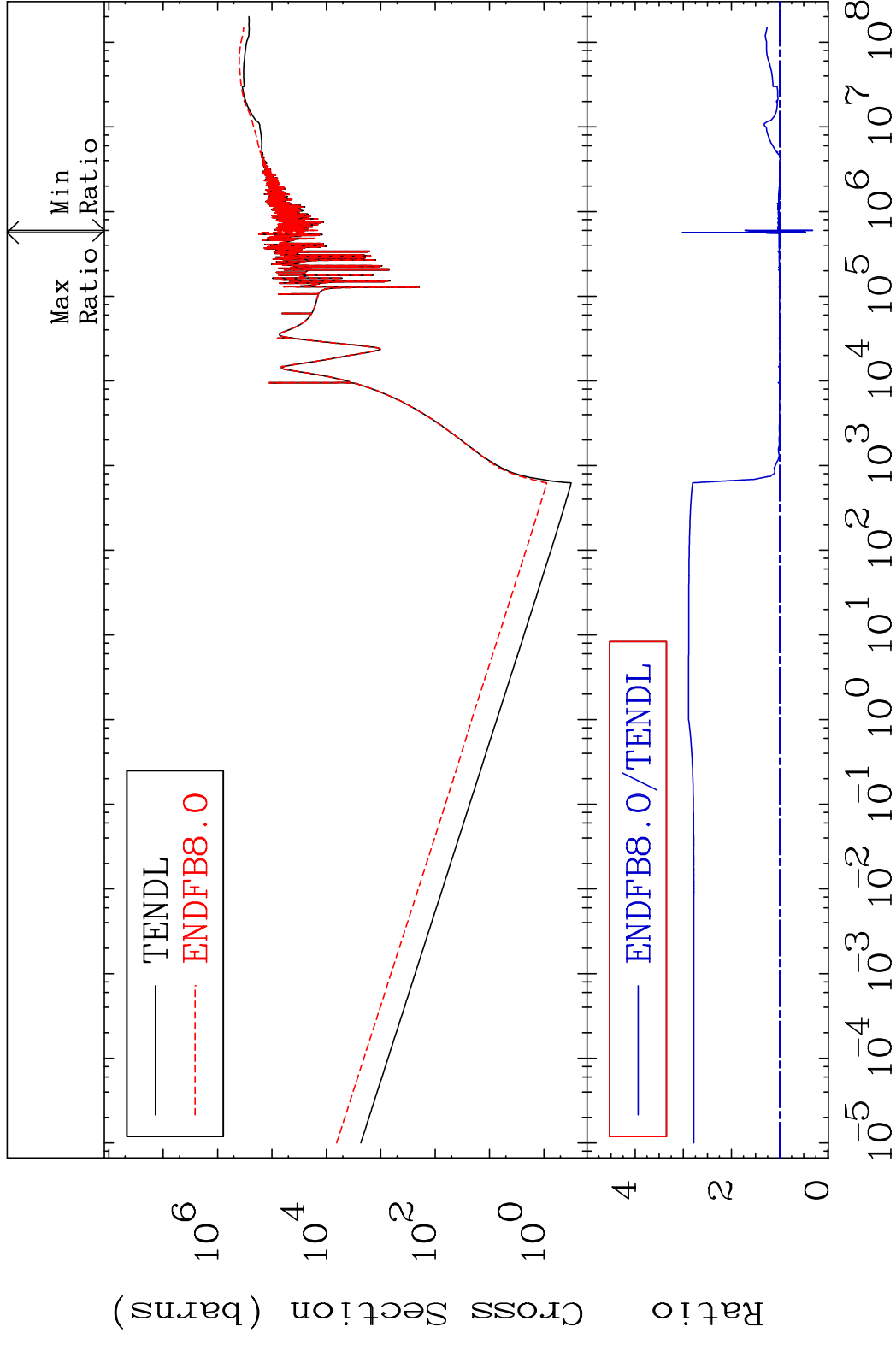
28-Ni-64

MAT 2843

Dpa total (eV-barns)

28-Ni-64

Cross Section -68.23 To 201.9 %



44

Incident Energy (eV)

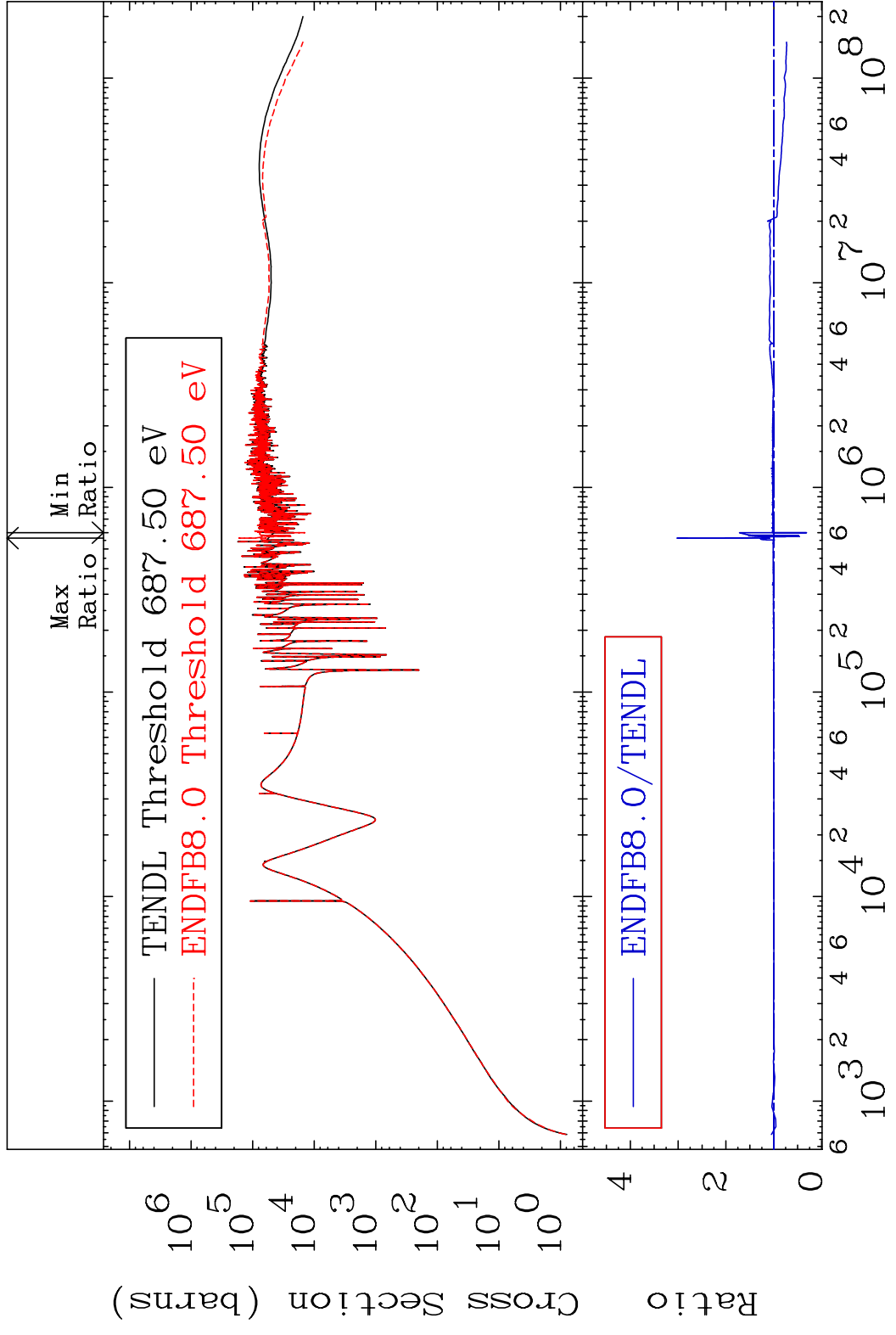
28-Ni-64

MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -68.23 To 201.9 %

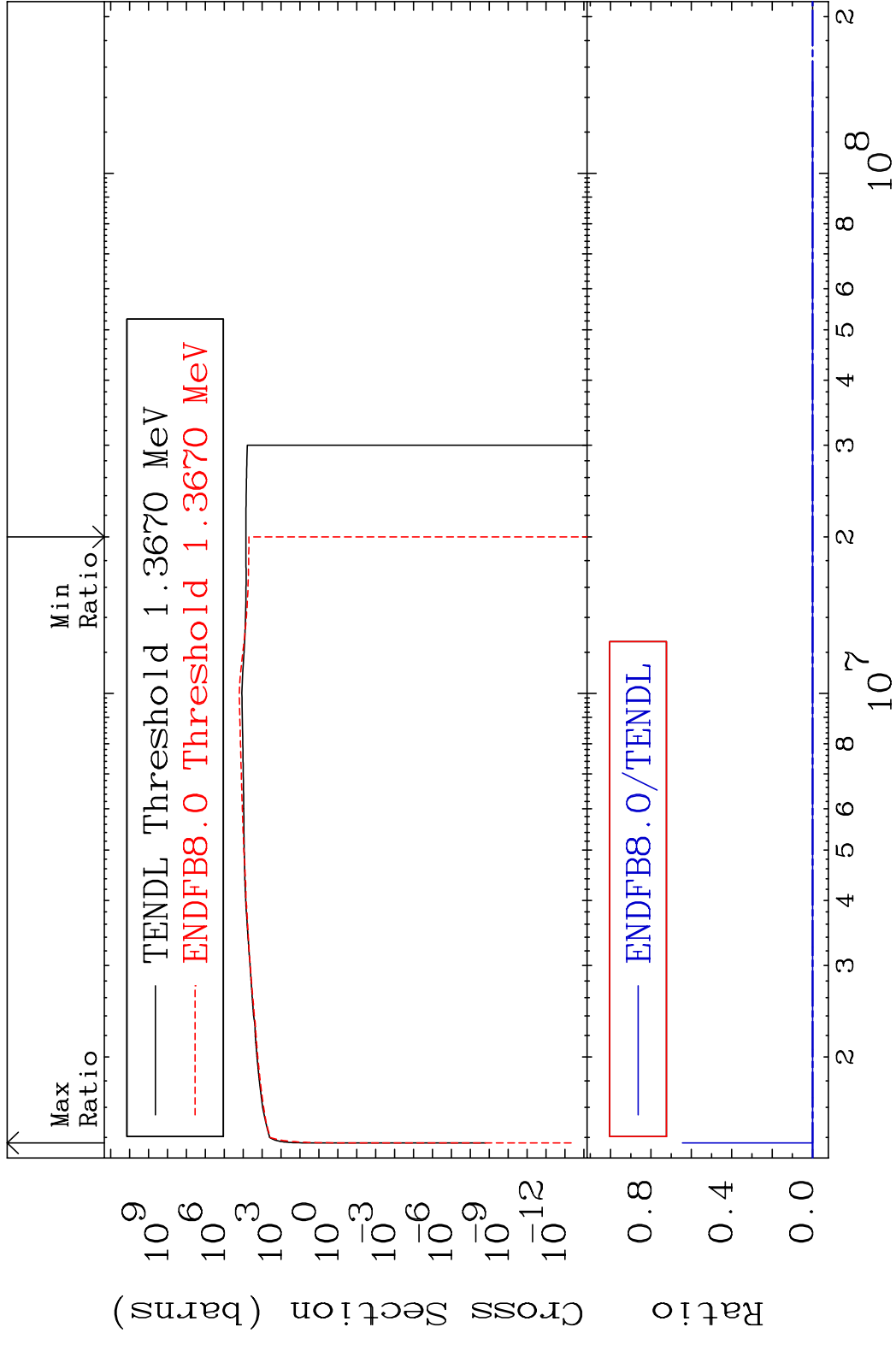


45

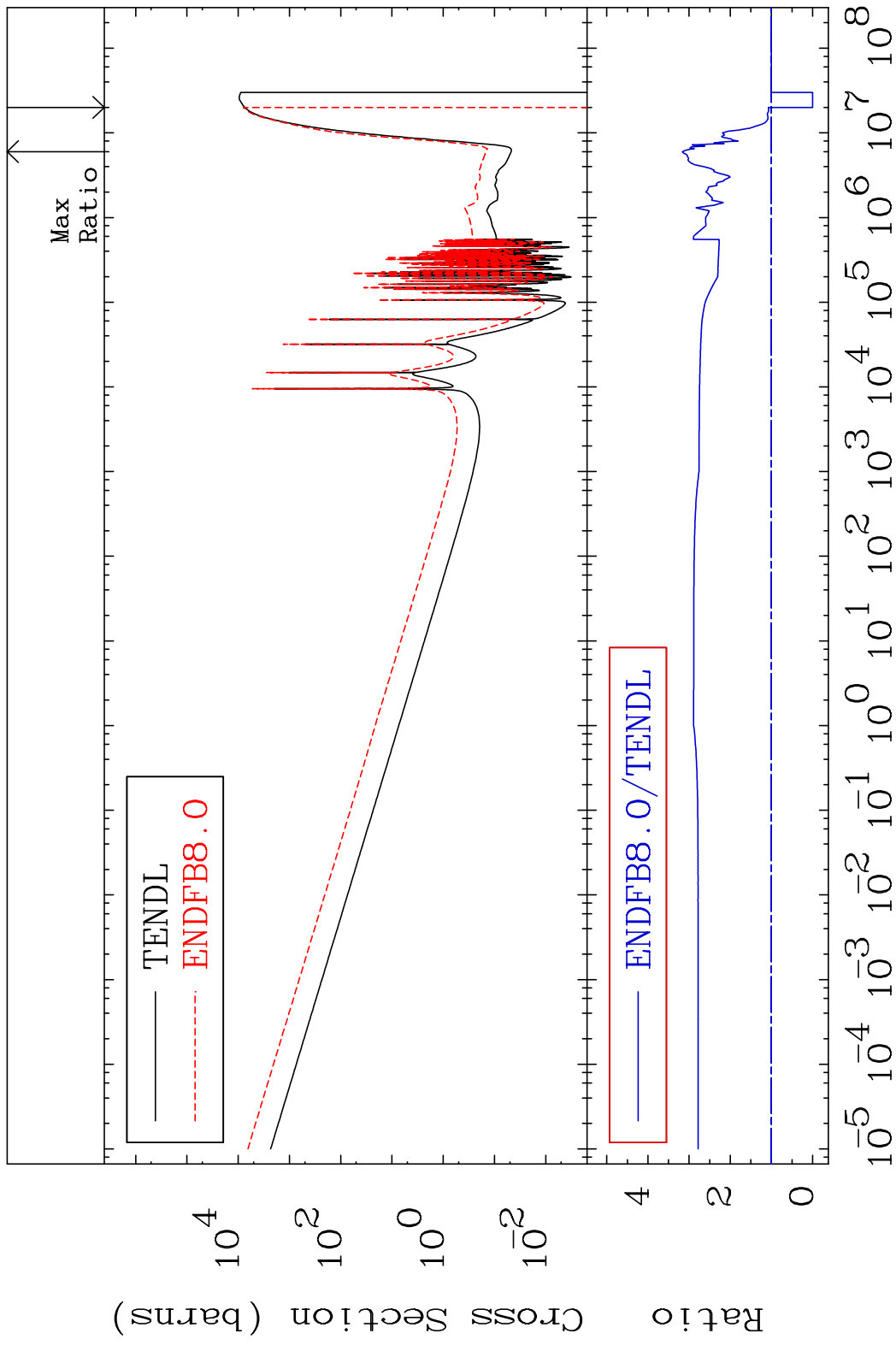
Incident Energy (eV)

28-Ni-64

MAT 2843 Dpa inelastic (mt51-91) 28-Ni-64  
 Cross Section -100.0 To 9999. %



MAT 2843 Dpa disappearance (mt102 -120) 28-Ni-64  
Cross Section -100.0 To 216.4 %



47

Incident Energy (eV)

28-Ni-64