

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

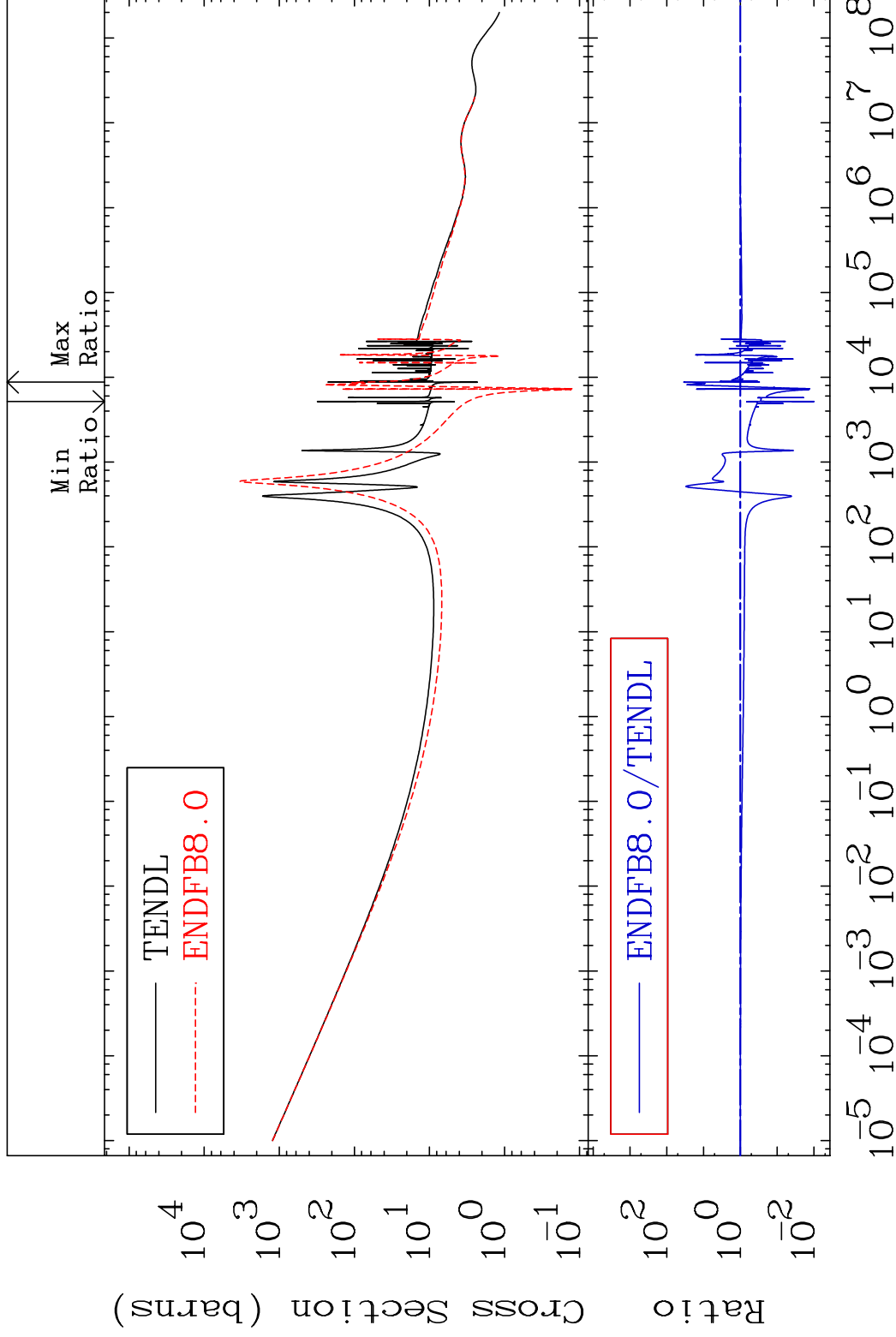
Press Mouse Button to Start

MAT 2840

Total

28-Ni-63

Cross Section -99.01 To 3373. %

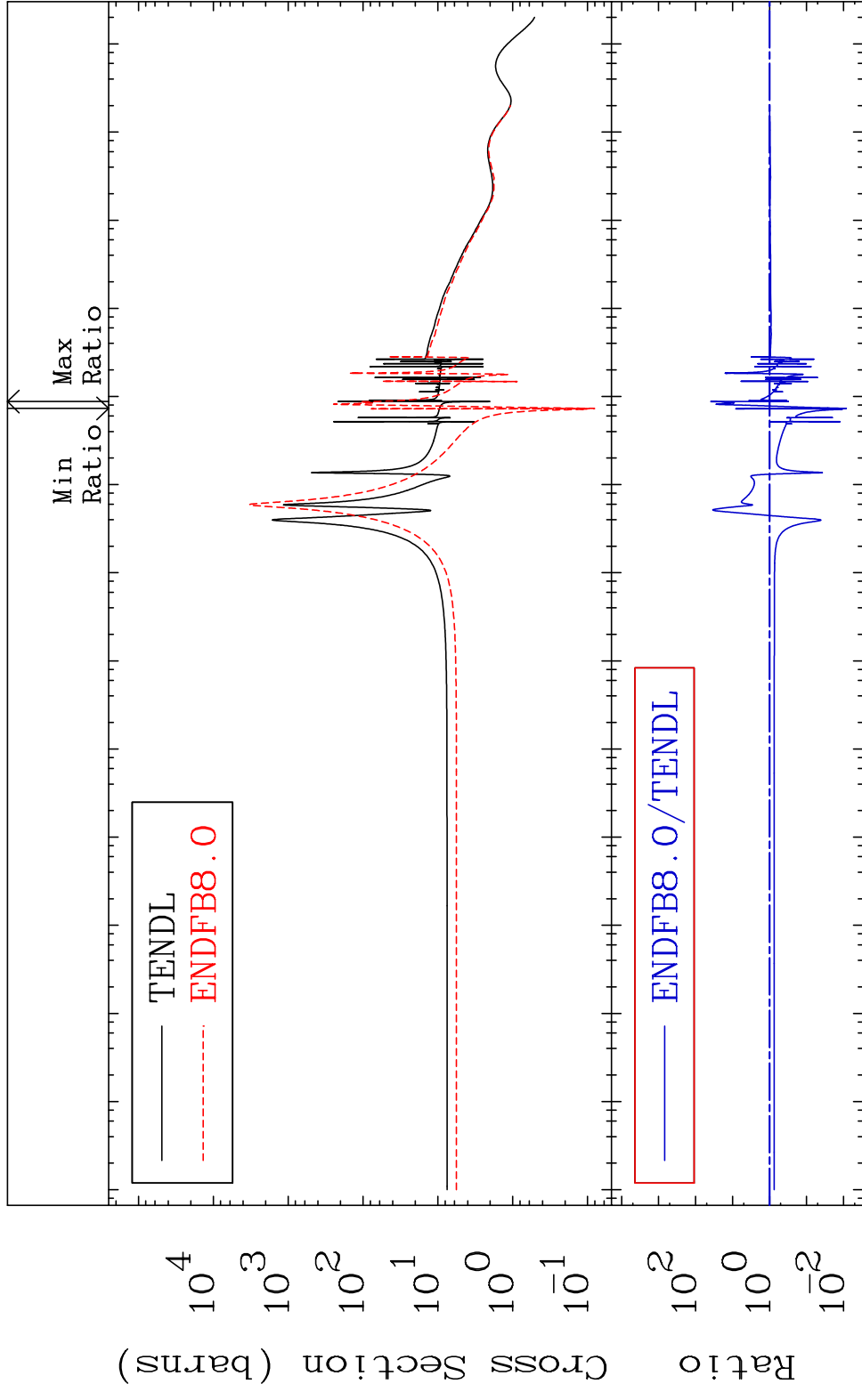


1

Incident Energy (eV)

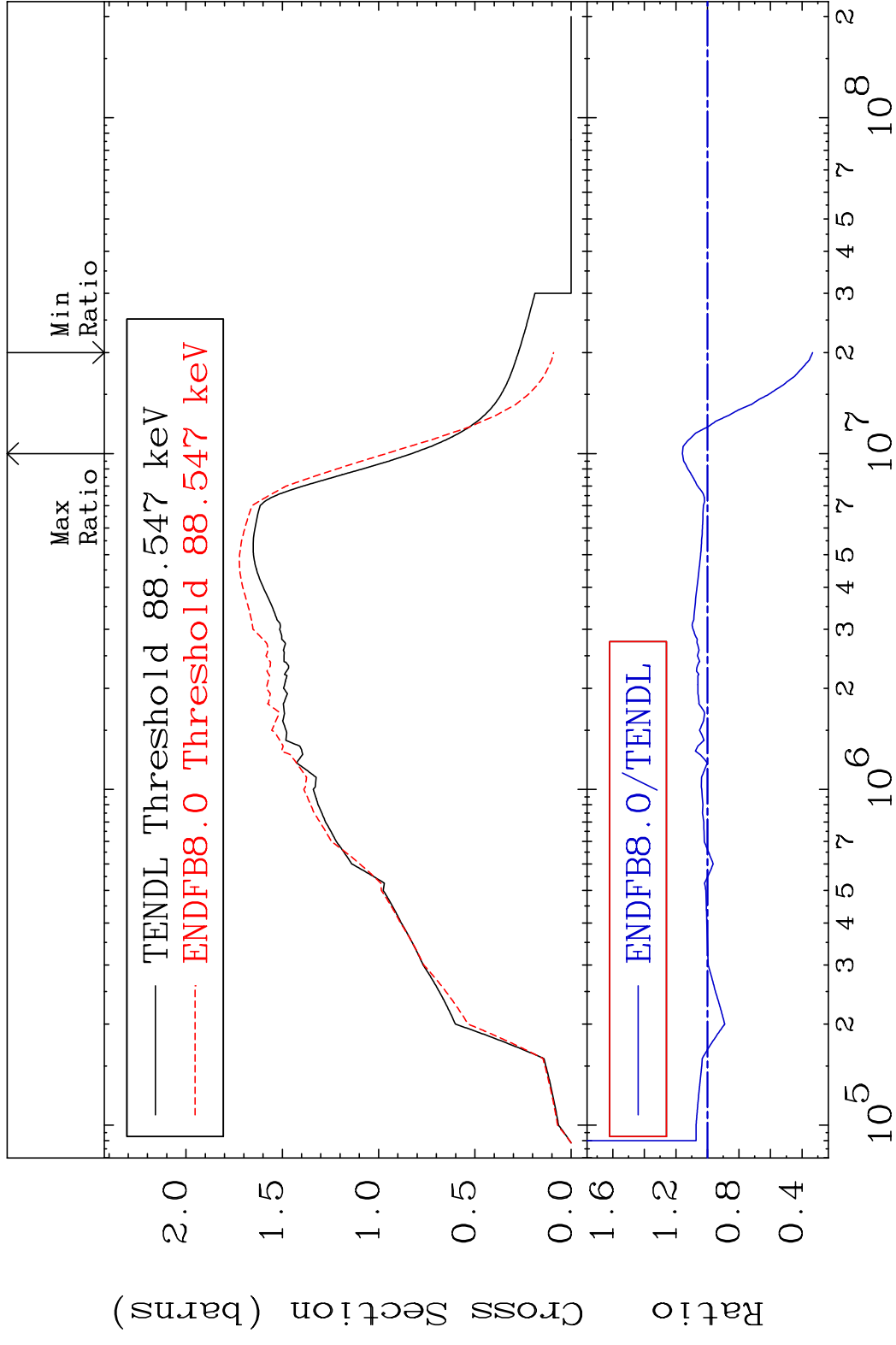
28-Ni-63

MAT 2840 Elastic 28-Ni-63
 Cross Section -99.16 To 3799. %



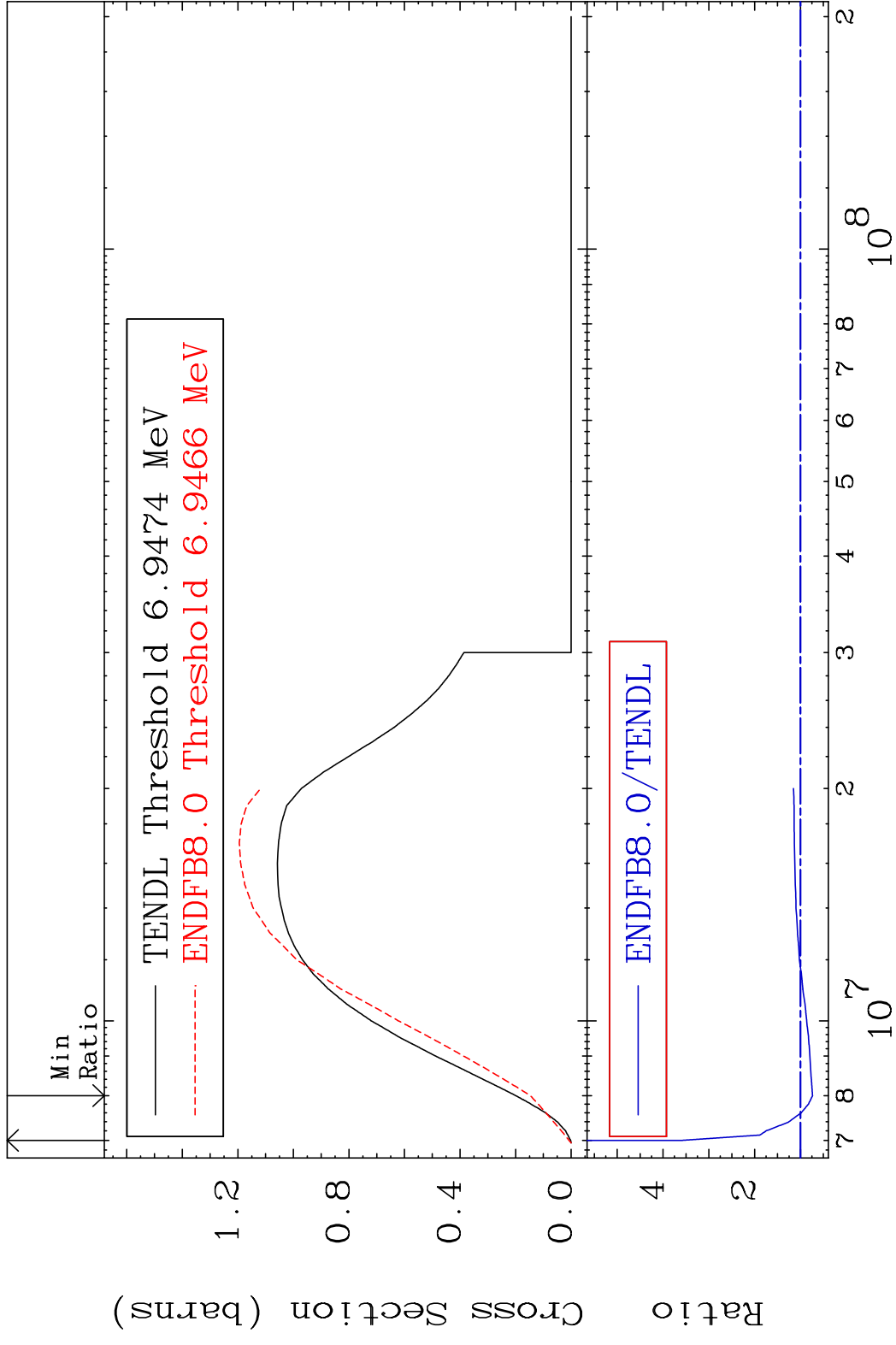
2 Incident Energy (eV) 28-Ni-63

MAT 2840 Inelastic Cross Section 28-Ni-63
 -66.66 To 15.91 %



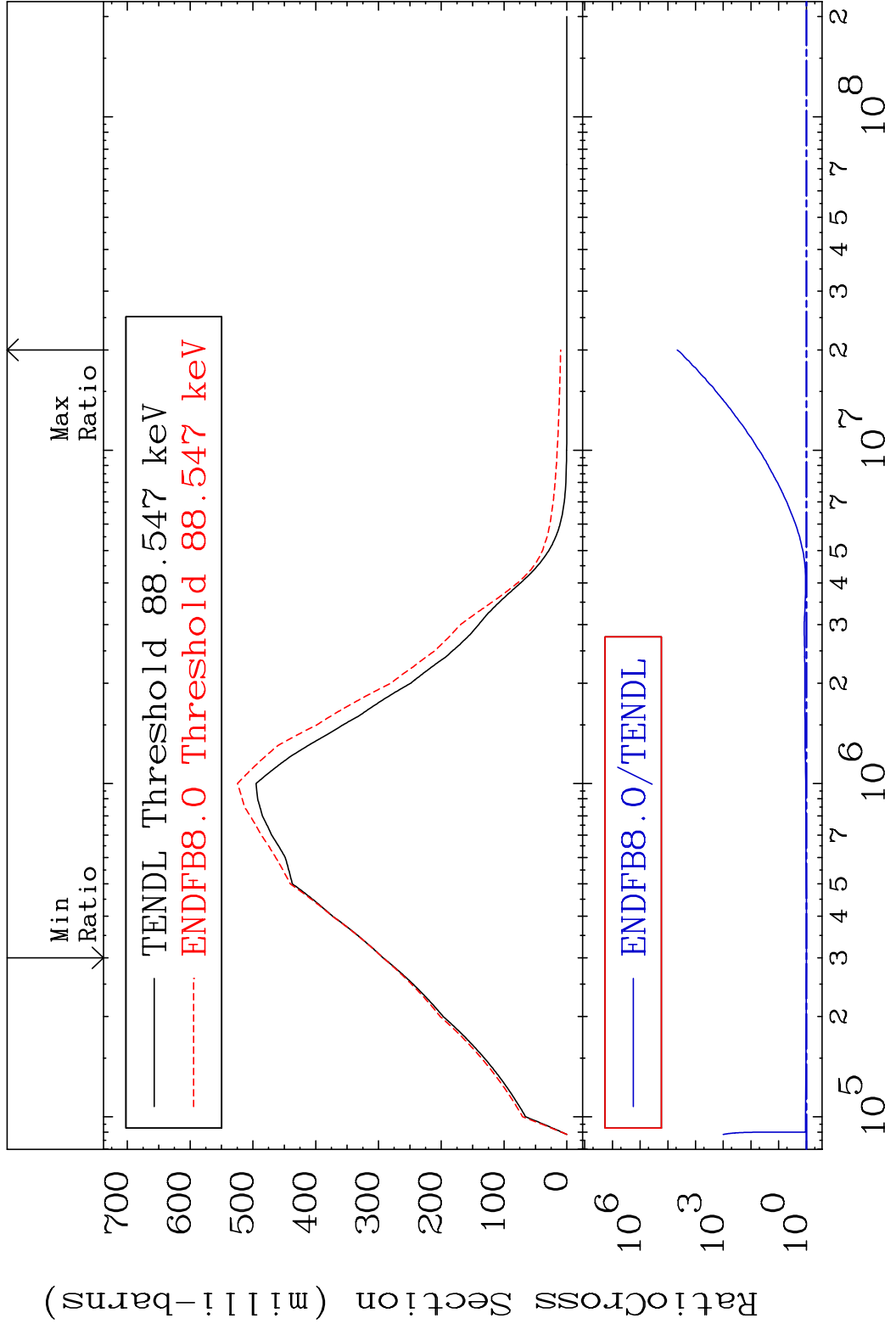
3 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,2n) 28-Ni-63
 Cross Section -26.38 To 257.9 %



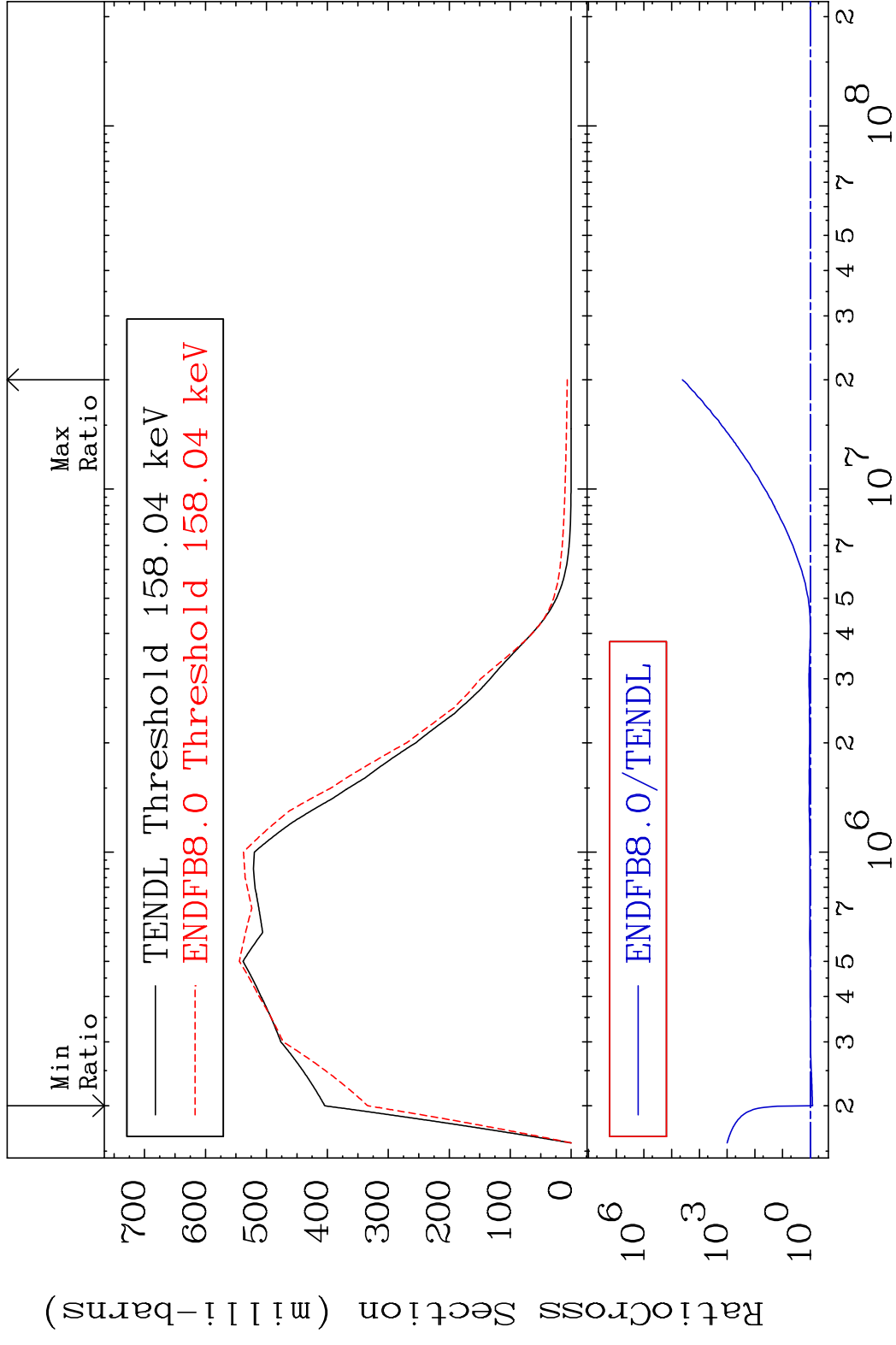
4 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 51 (n, n') Level 28-Ni-63
 Cross Section 0.086 To 9999. %

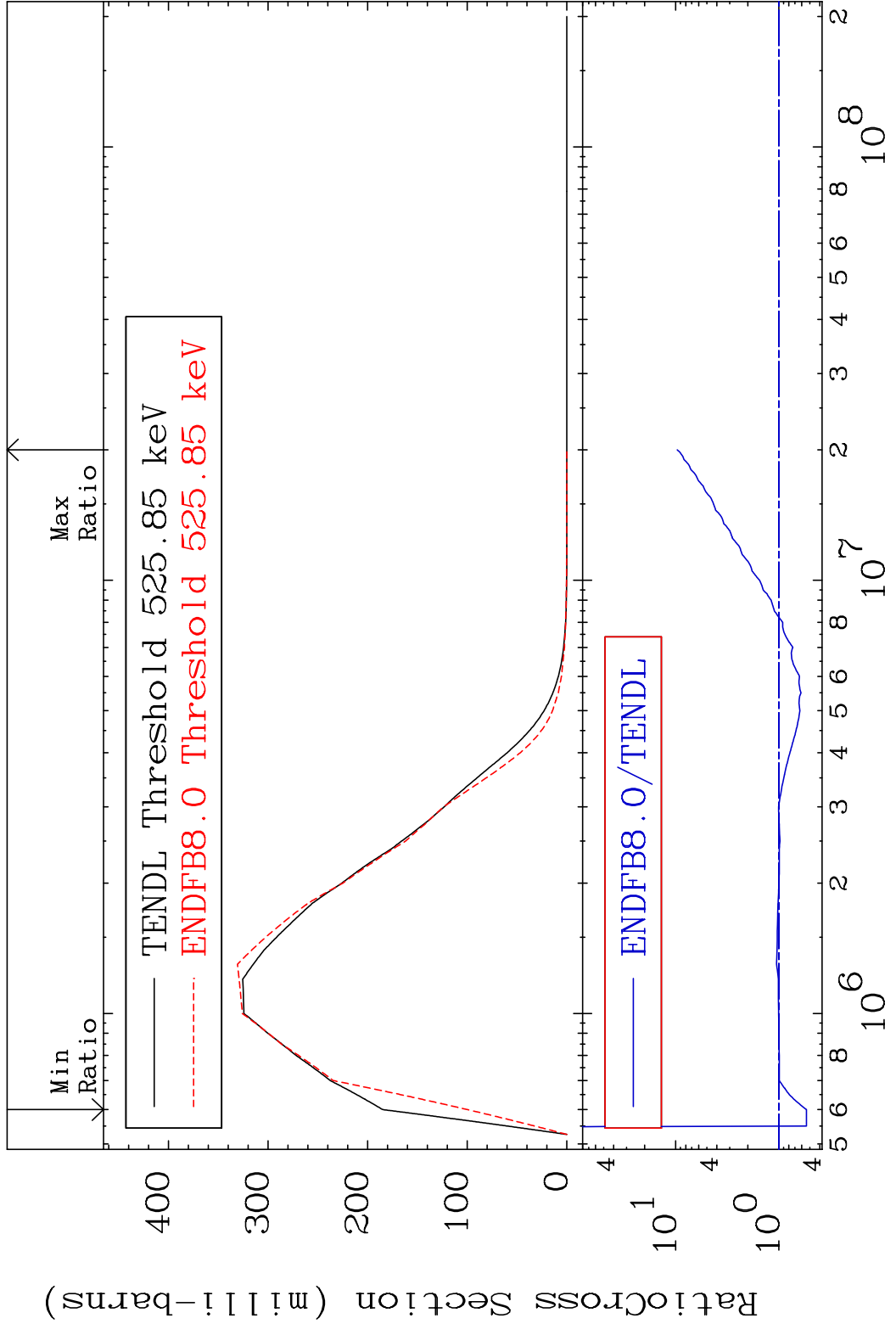


5 Incident Energy (eV) 28-Ni-63

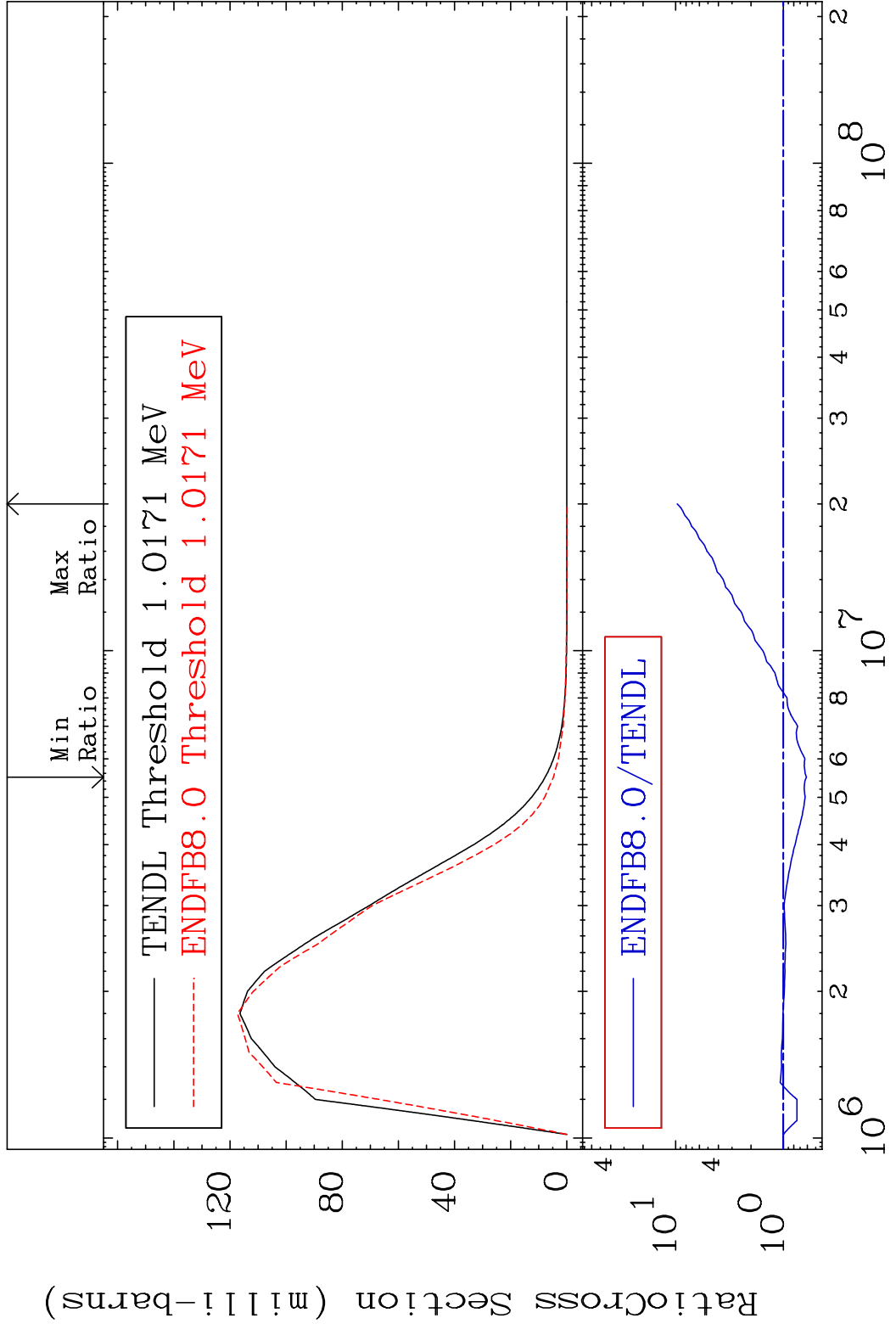
MAT 2840 MT= 52 (n, n') Level 28-Ni-63
 Cross Section -17.45 To 9999. %



MAT 2840 MT= 53 (n, n') Level 28-Ni-63
 Cross Section -45.98 To 868.2 %

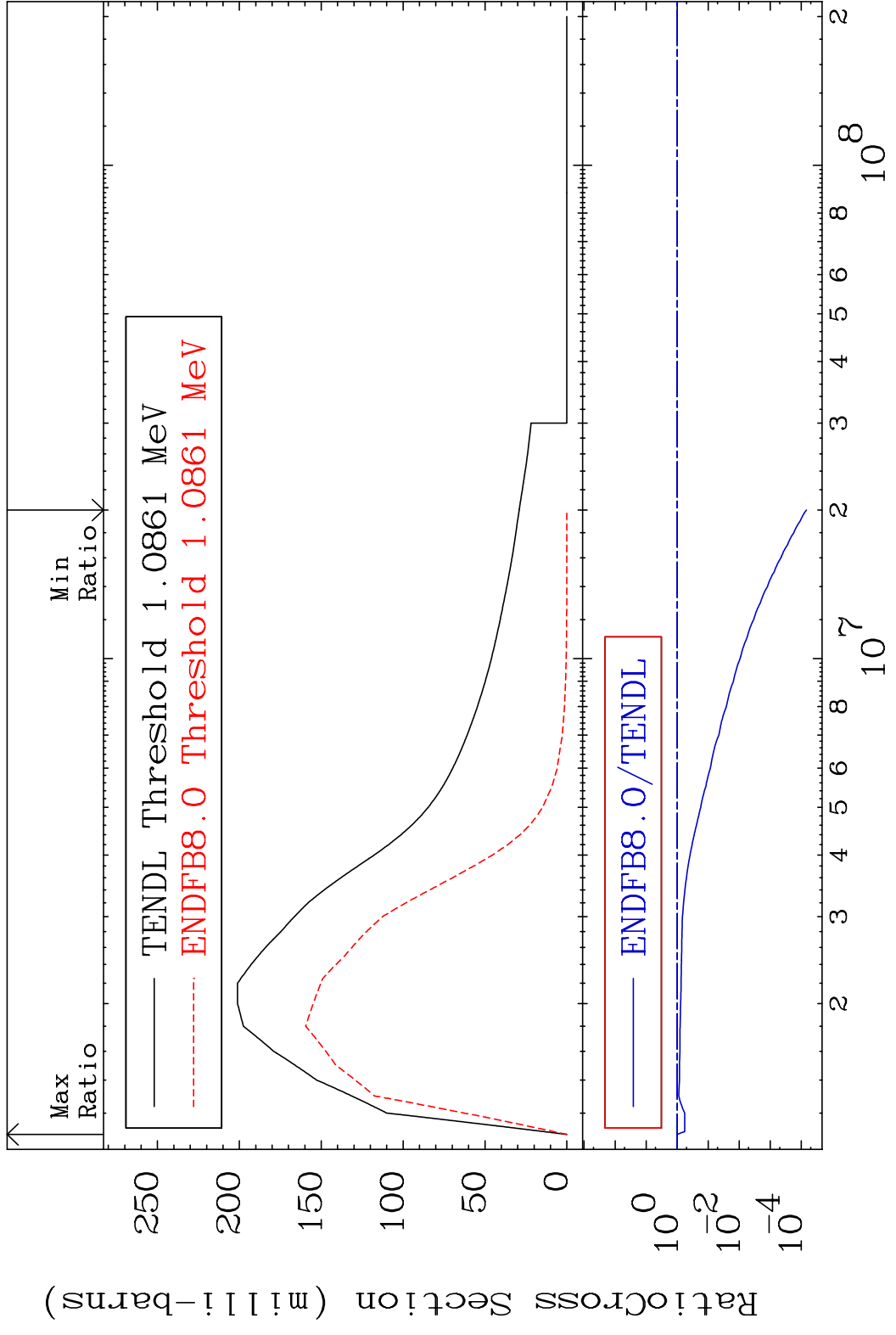


MAT 2840 MT= 54 (n, n') Level 28-Ni-63
 Cross Section -38.86 To 866.0 %

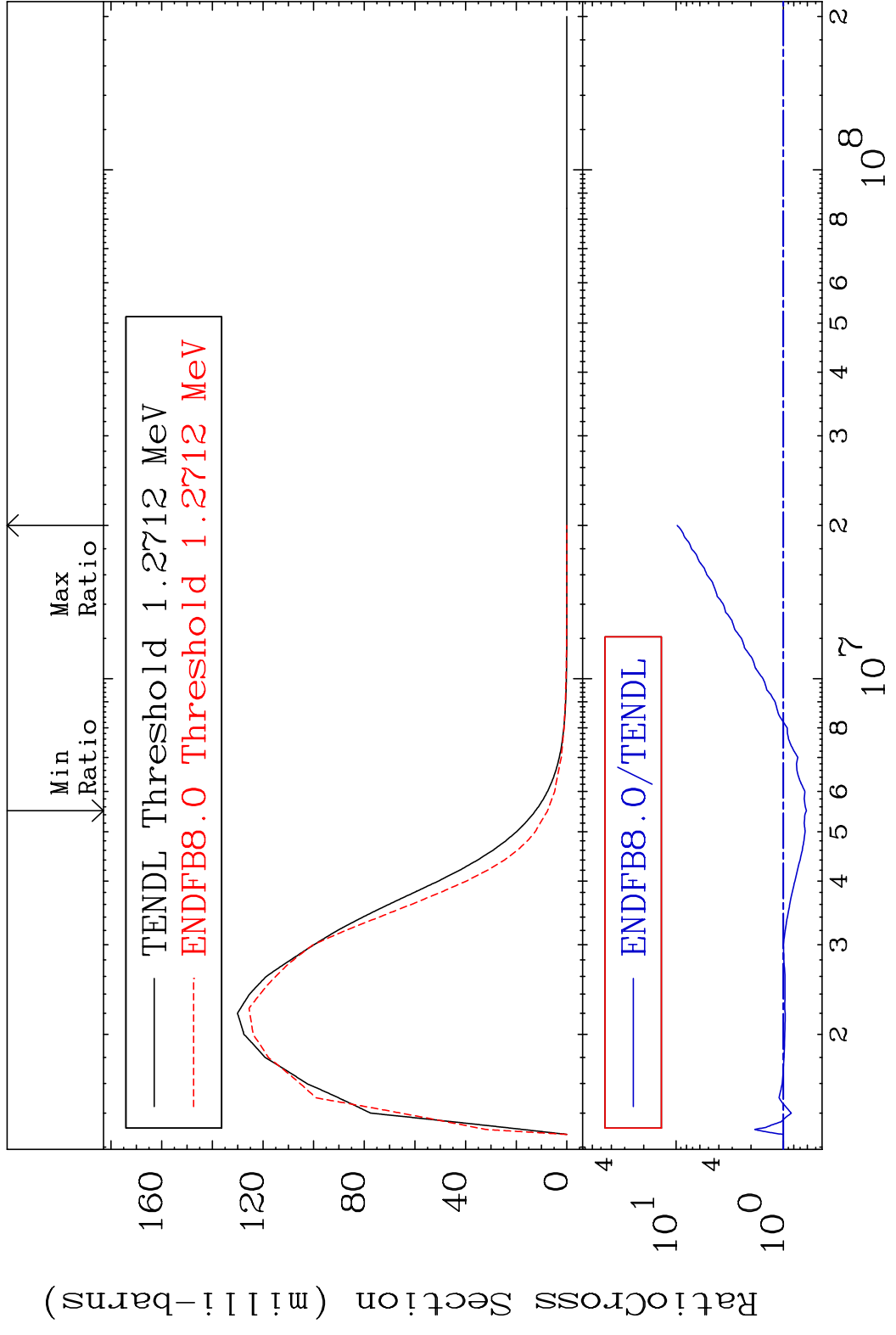


8 8 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 55 (n, n') Level 28-Ni-63
 Cross Section -99.99 To 0.000 %

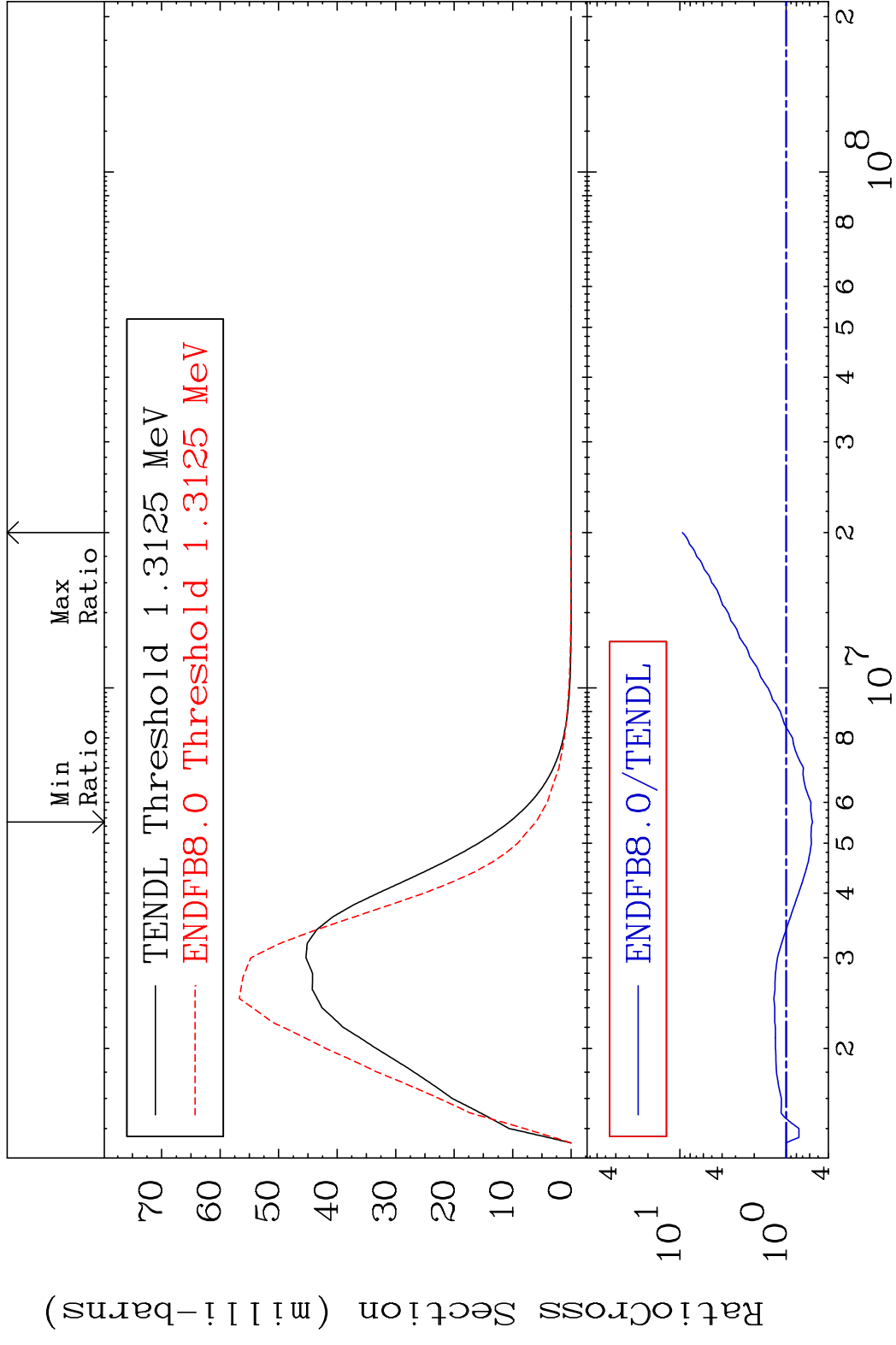


MAT 2840 MT= 56 (n, n') Level 28-Ni-63
 Cross Section -38.83 To 874.7 %

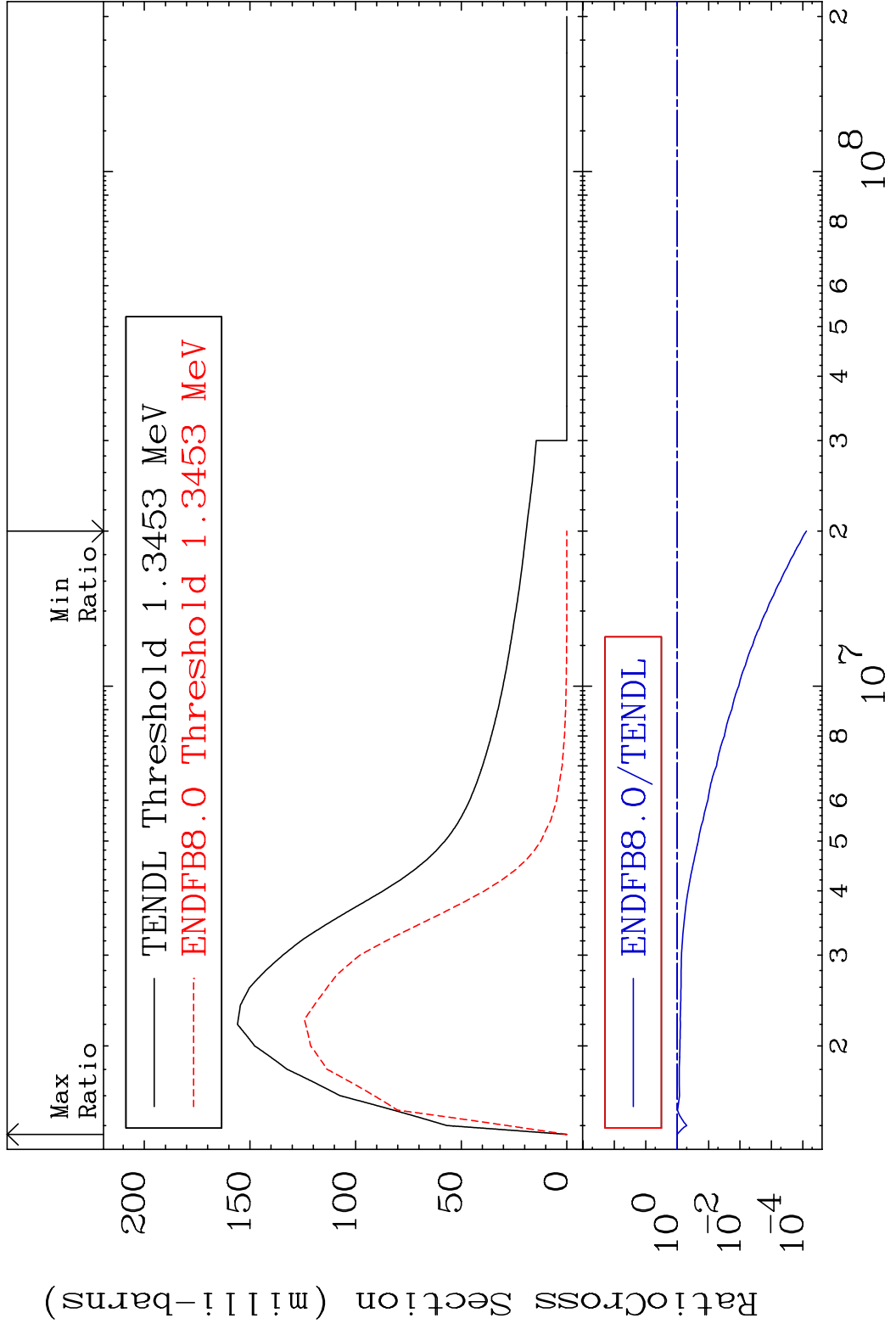


10

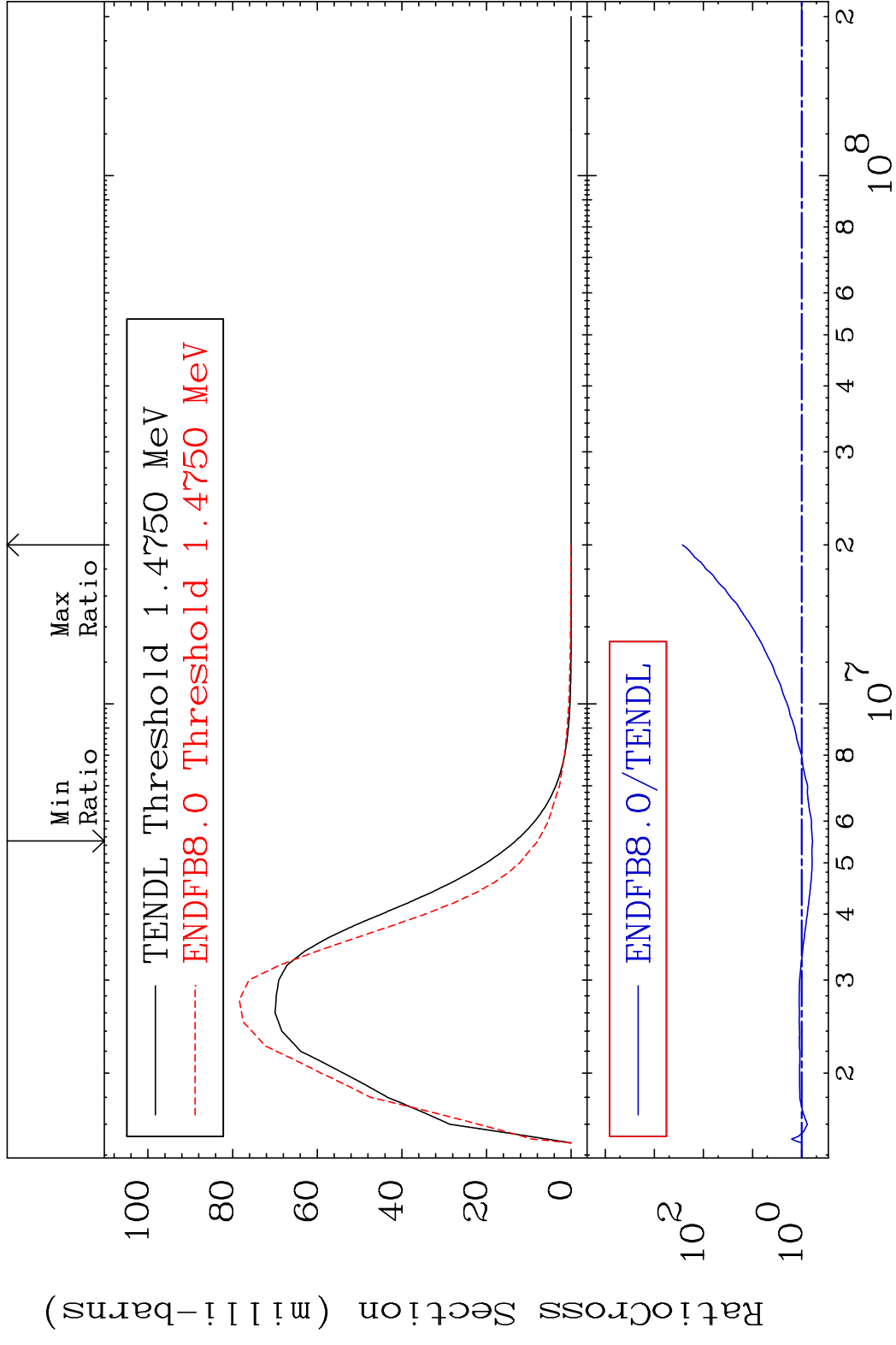
MAT 2840 MT= 57 (n, n') Level 28-Ni-63
 Cross Section -43.58 To 847.7 %



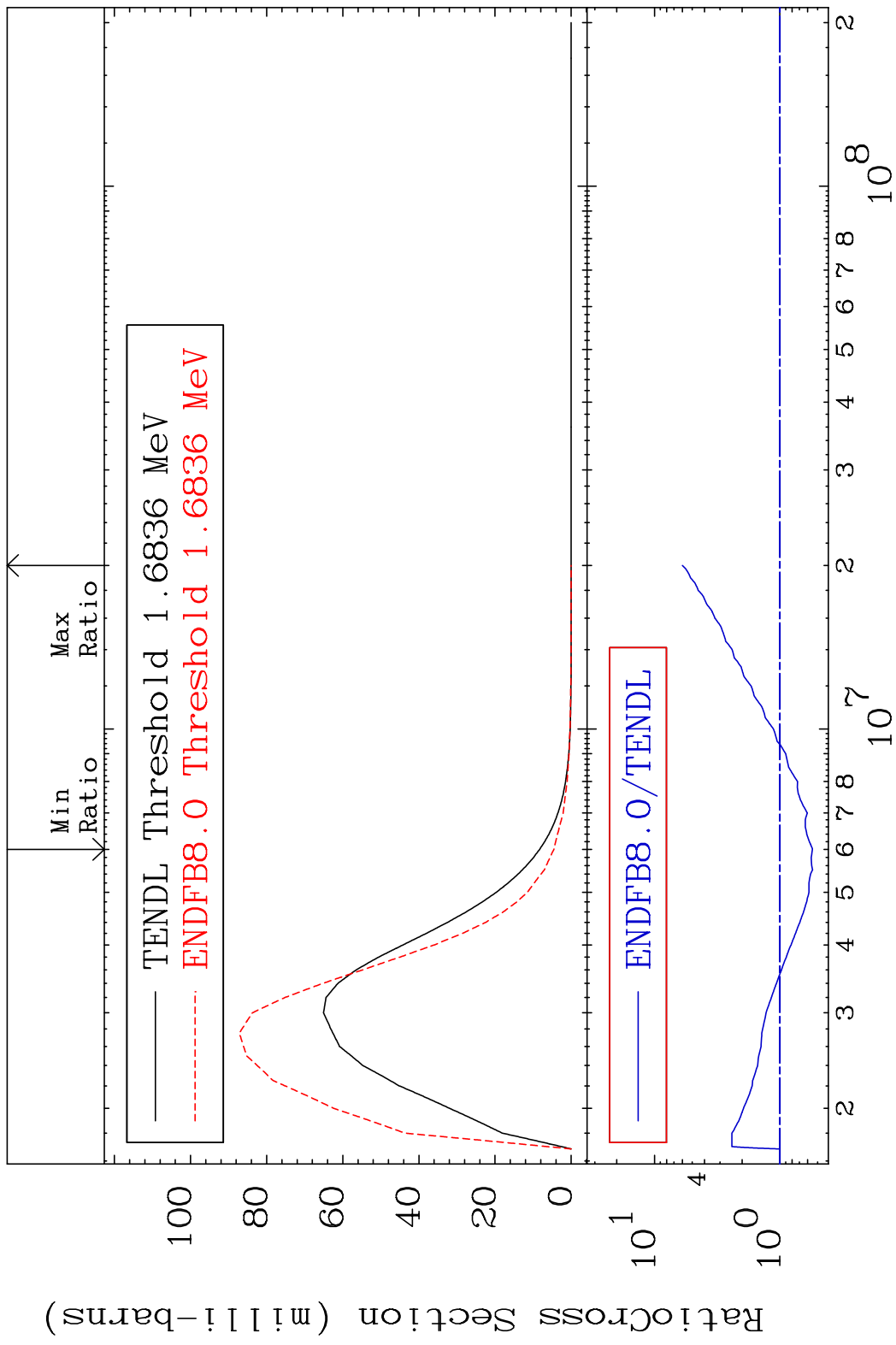
MAT 2840 MT= 58 (n, n') Level 28-Ni-63
 Cross Section -99.99 To 0.000 %



MAT 2840 MT= 59 (n, n') Level 28-Ni-63
 Cross Section -40.08 To 9999. %

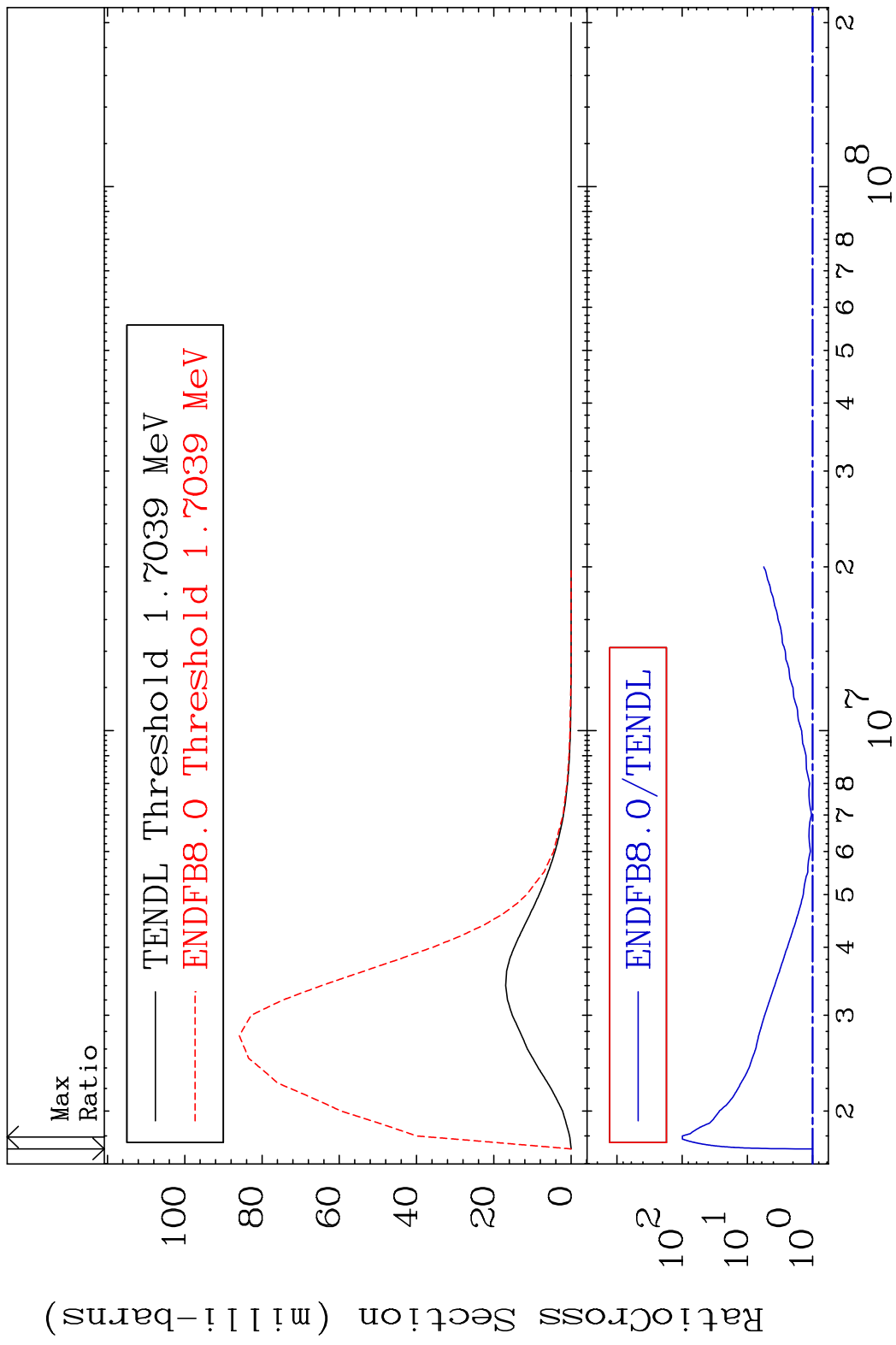


MAT 2840 MT= 60 (n, n') Level 28-Ni-63
 Cross Section -45.13 To 499.7 %

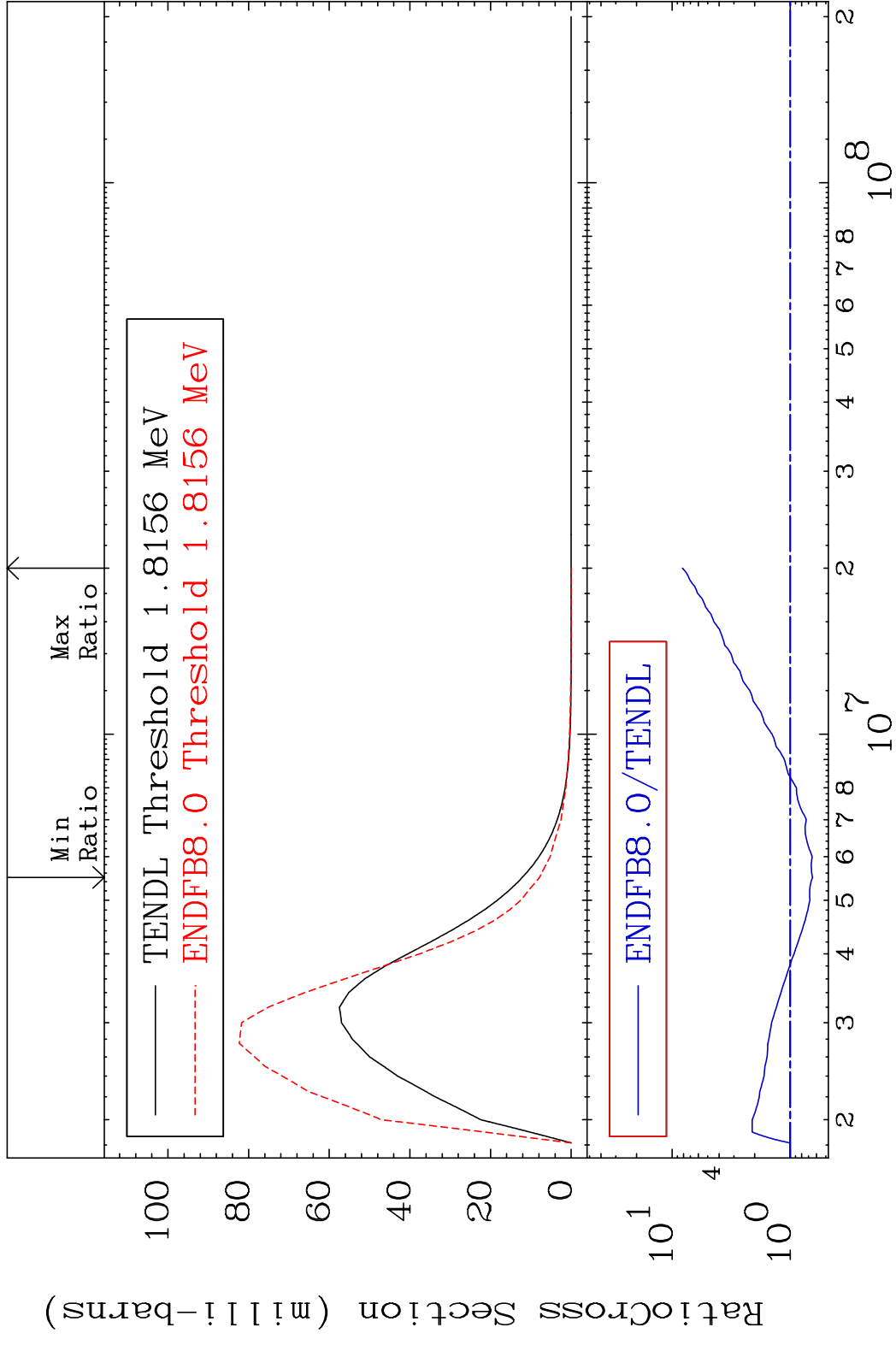


14 Incident Energy (eV) 28-Ni-63

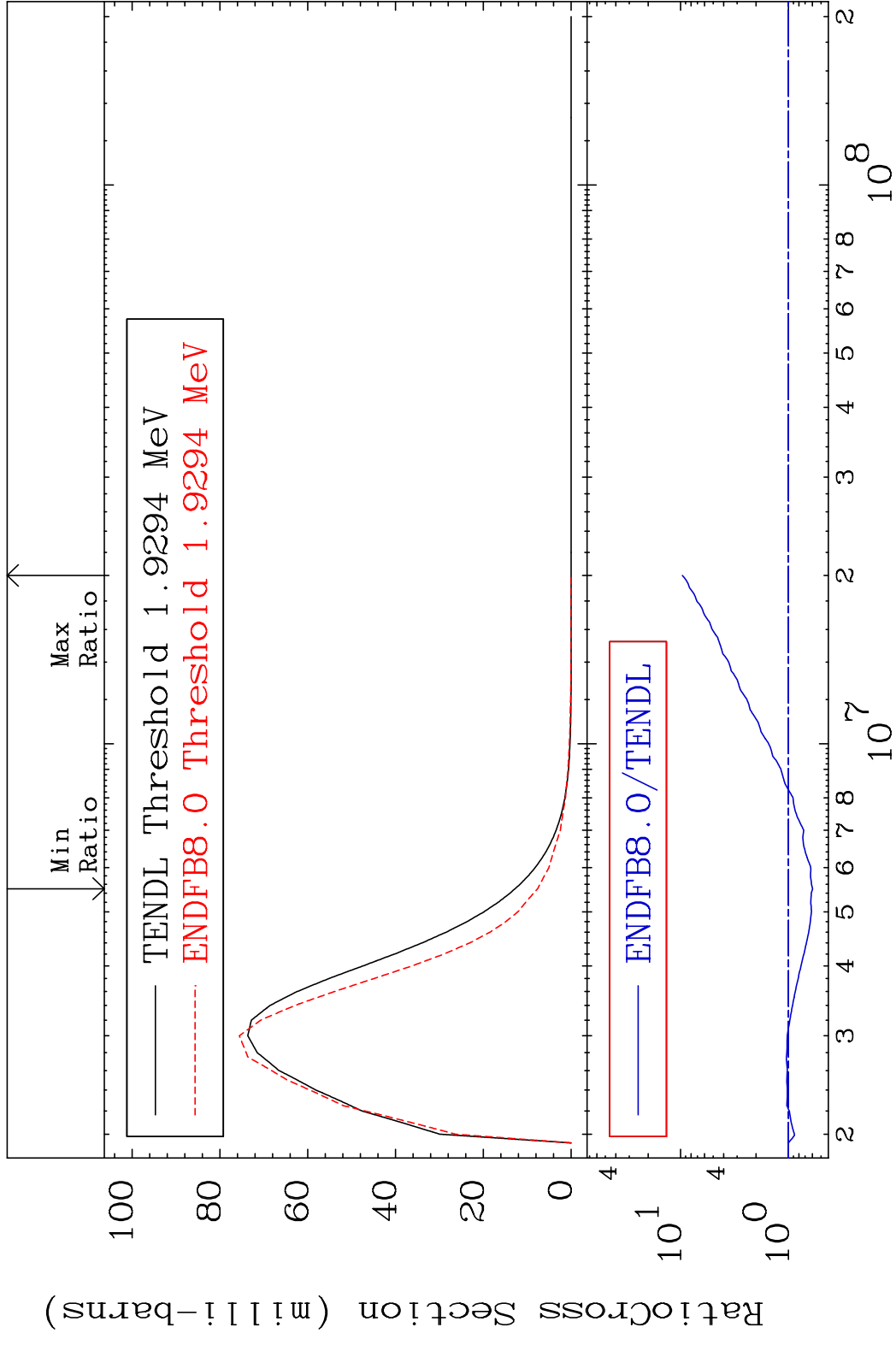
MAT 2840 MT= 61 (n,n') Level 28-Ni-63
 Cross Section 0.000 To 9810. %



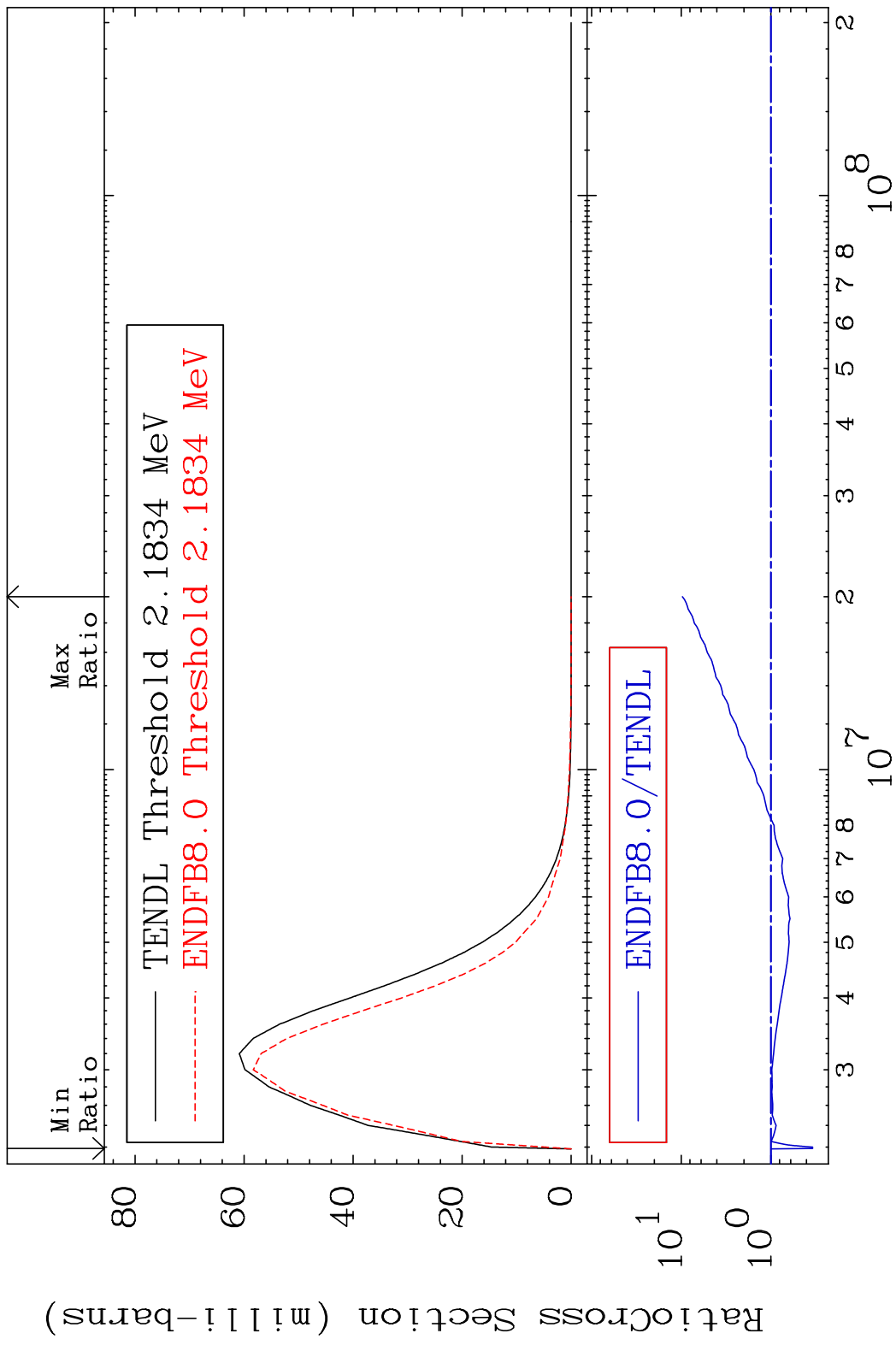
MAT 2840 MT= 62 (n, n') Level 28-Ni-63
 Cross Section -35.32 To 718.5 %



MAT 2840 MT= 63 (n, n') Level 28-Ni-63
 Cross Section -40.20 To 864.5 %

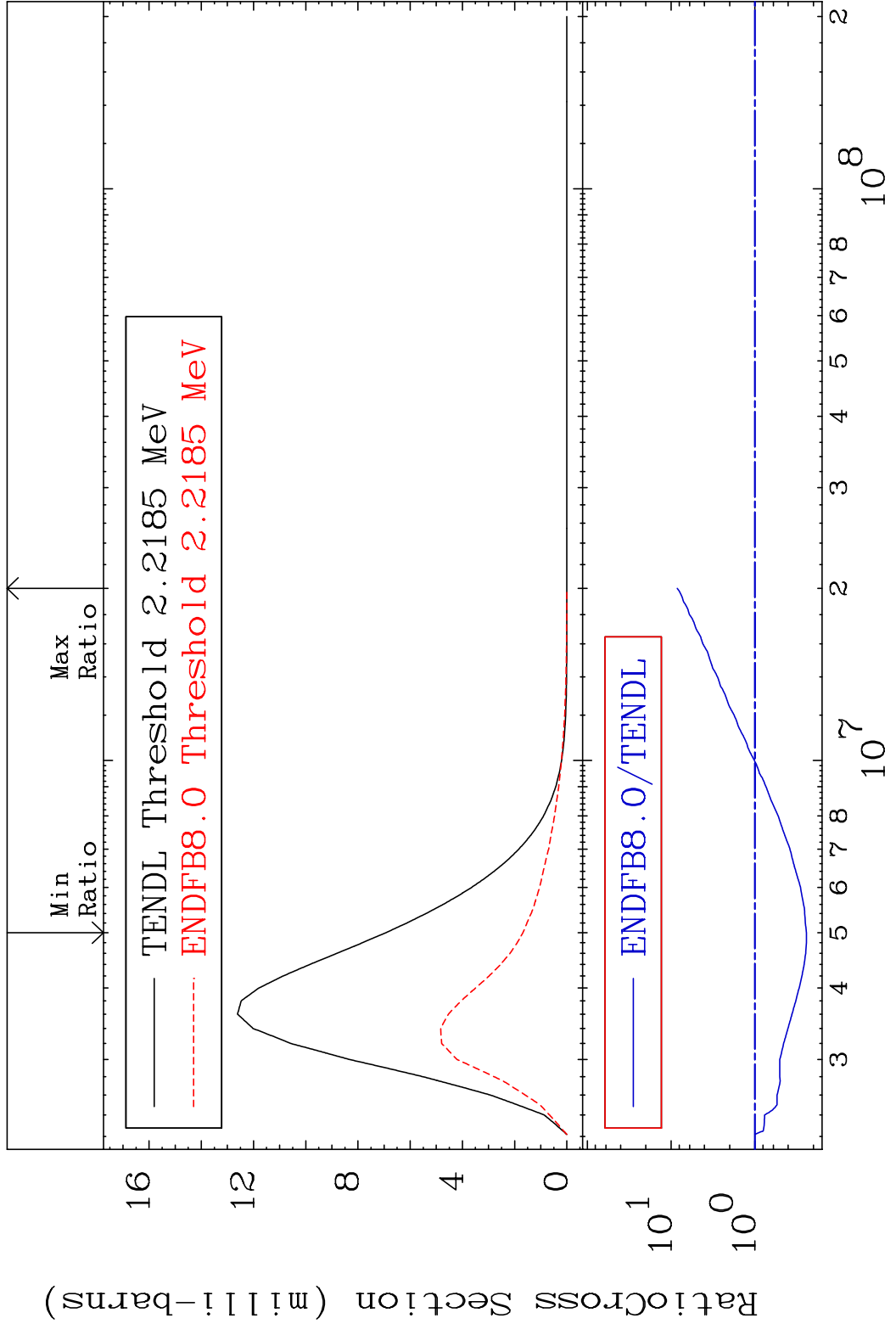


MAT 2840 MT= 64 (n, n') Level 28-Ni-63
 Cross Section -65.73 To 871.2 %

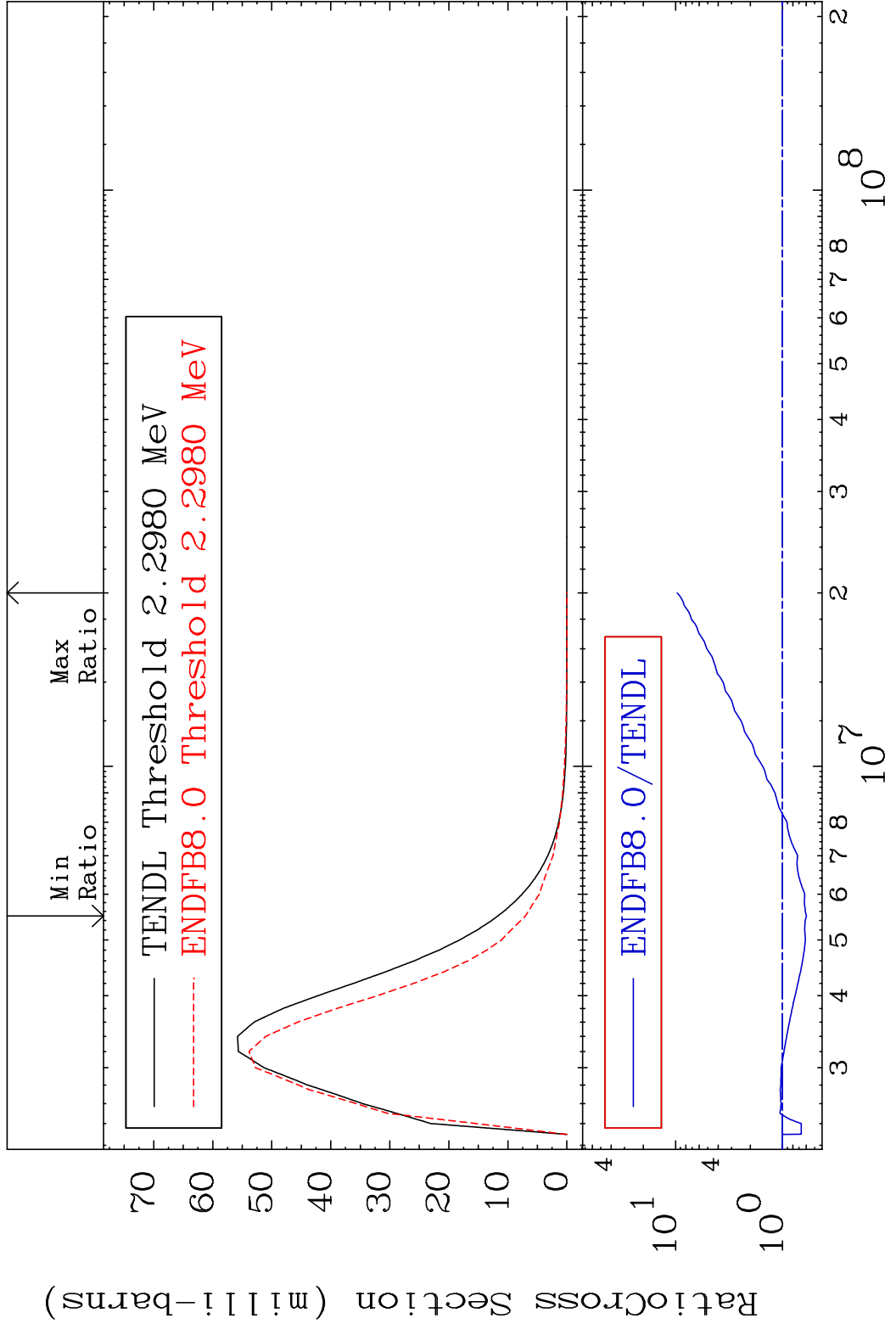


18 Incident Energy (eV) 28-Ni-63

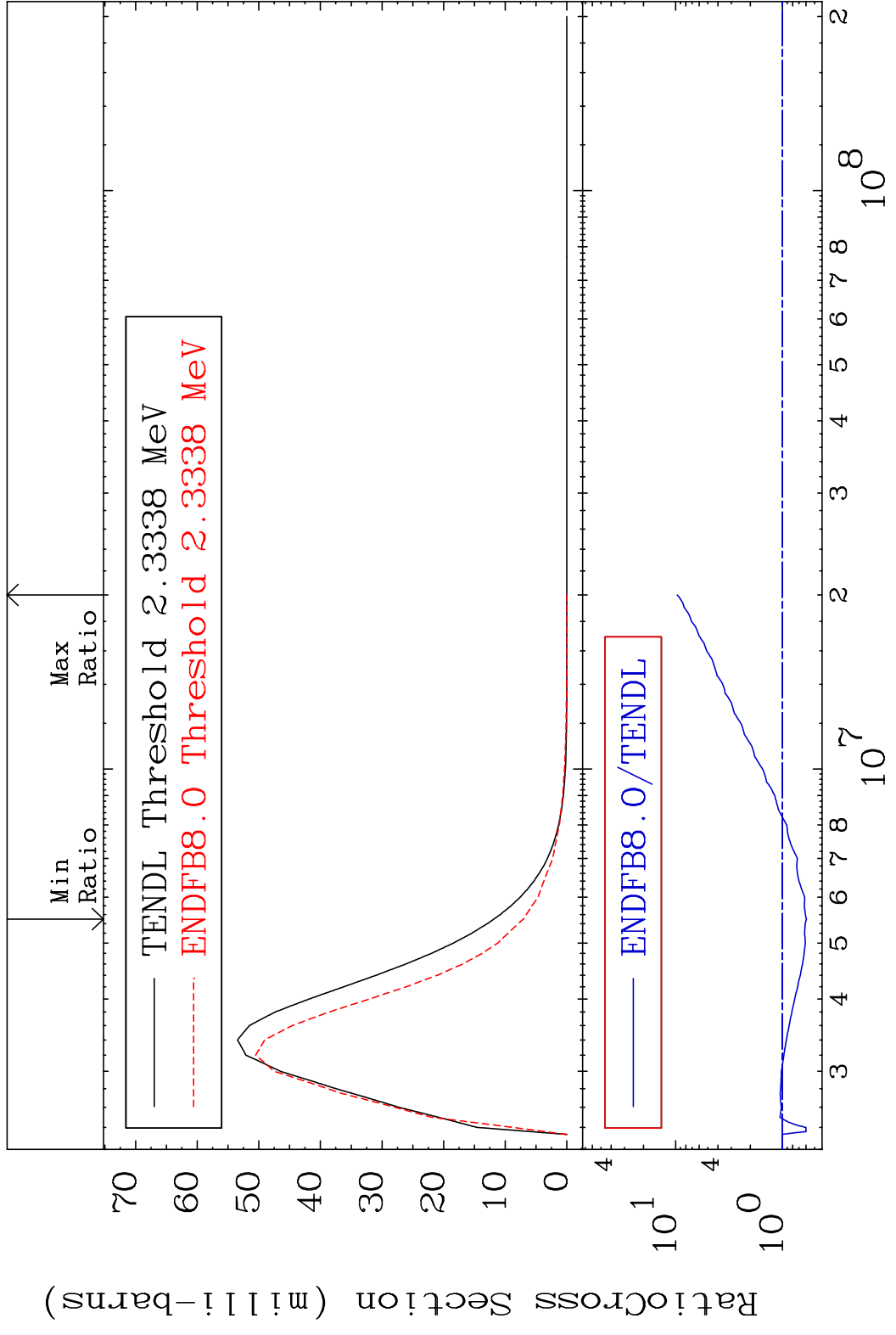
MAT 2840 MT= 65 (n, n') Level 28-Ni-63
 Cross Section -75.74 To 745.3 %



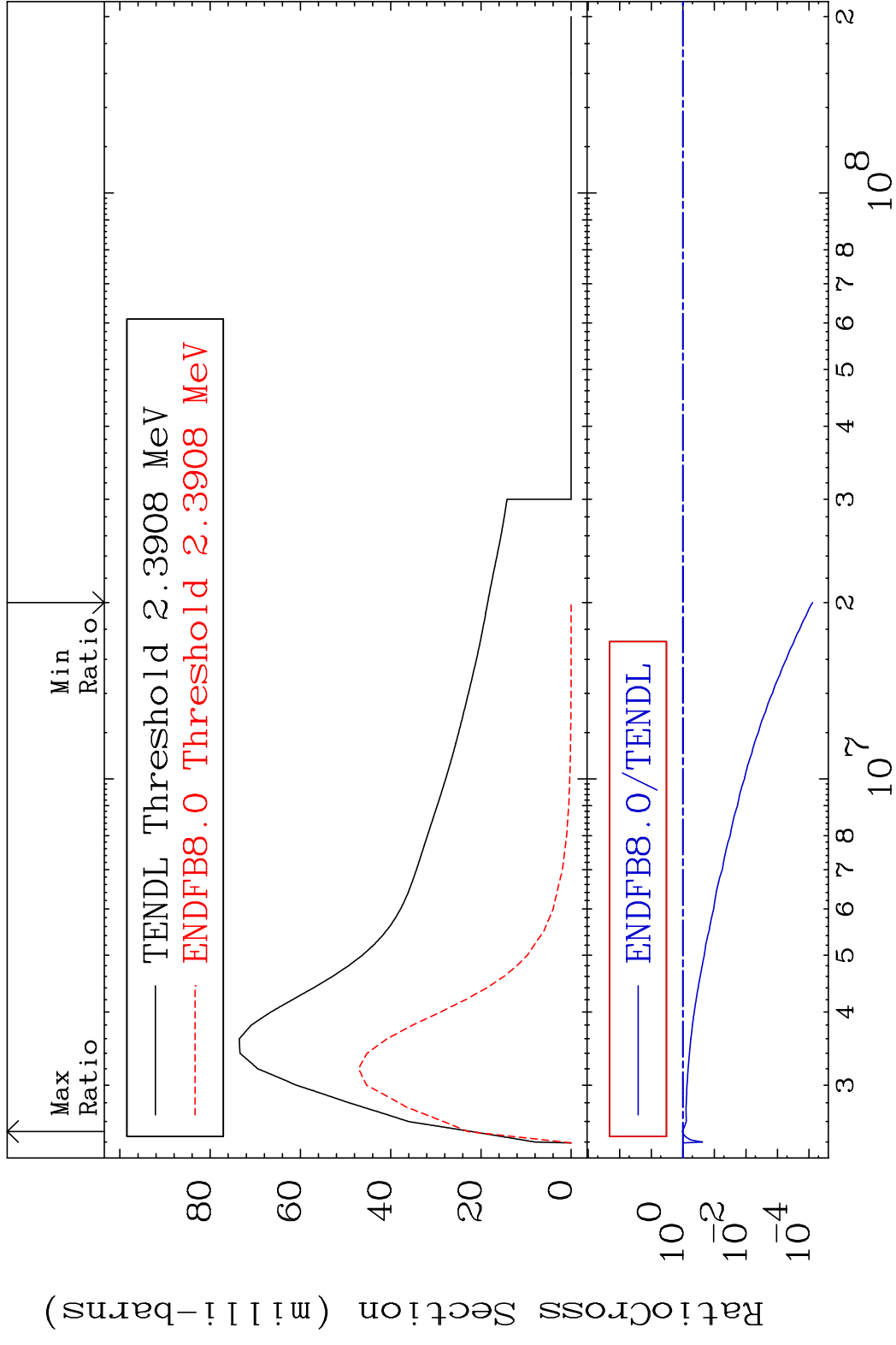
MAT 2840 MT= 66 (n, n') Level 28-Ni-63
 Cross Section -40.24 To 864.9 %



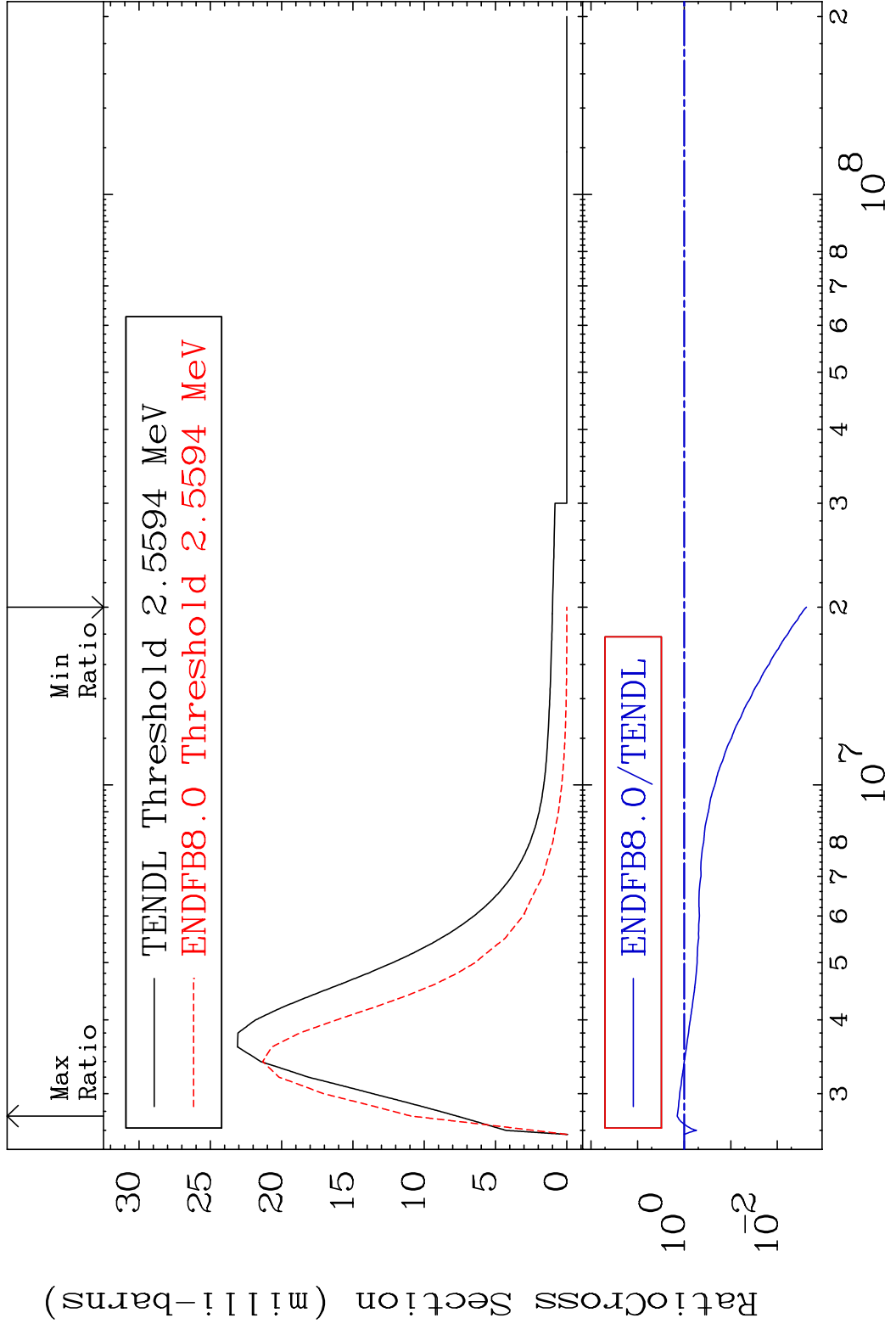
MAT 2840 MT= 67 (n, n') Level 28-Ni-63
 Cross Section -40.41 To 865.5 %



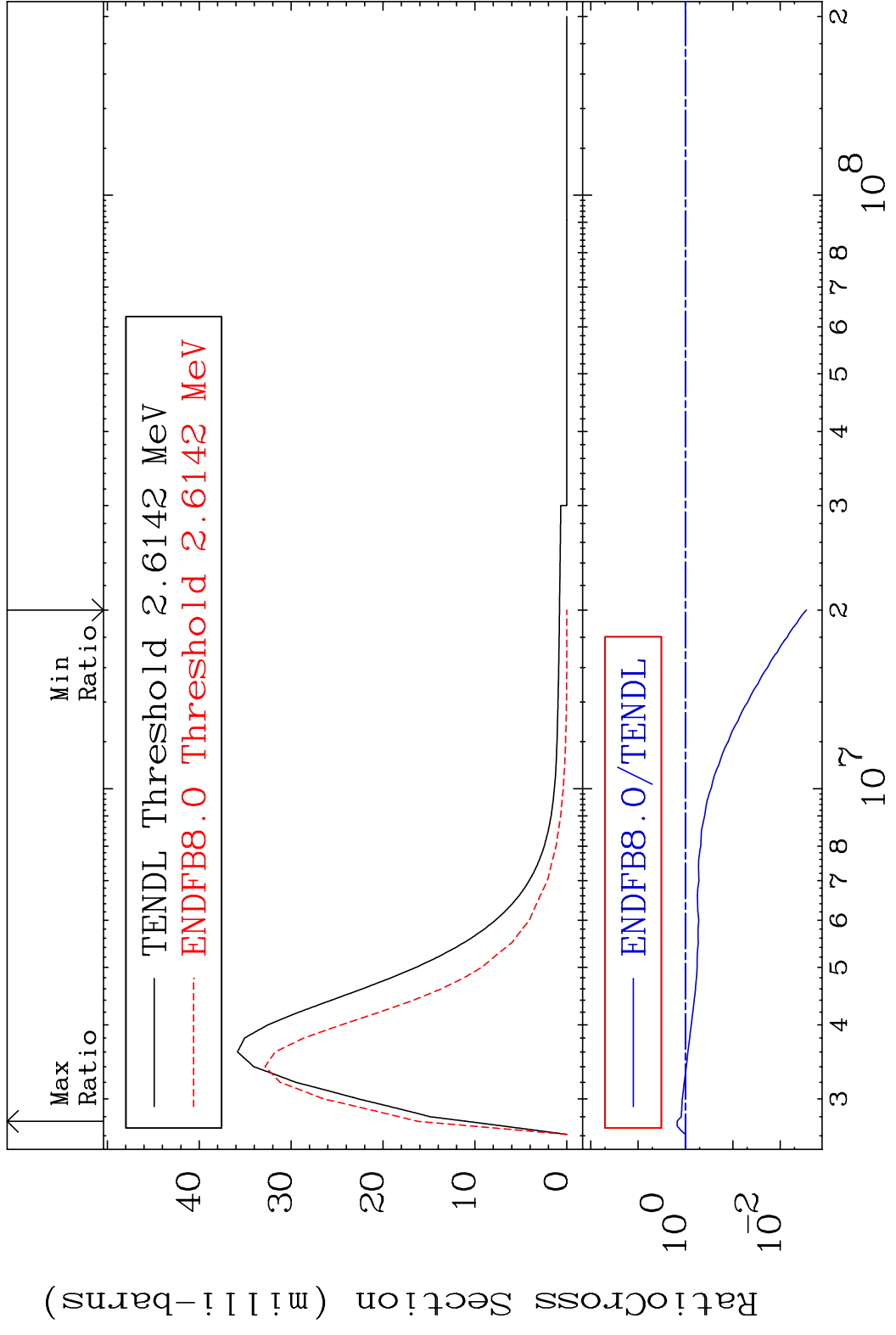
MAT 2840 MT= 68 (n,n') Level 28-Ni-63
 Cross Section -99.99 To 3.768 %



MAT 2840 MT= 69 (n, n') Level 28-Ni-63
 Cross Section -99.76 To 41.57 %

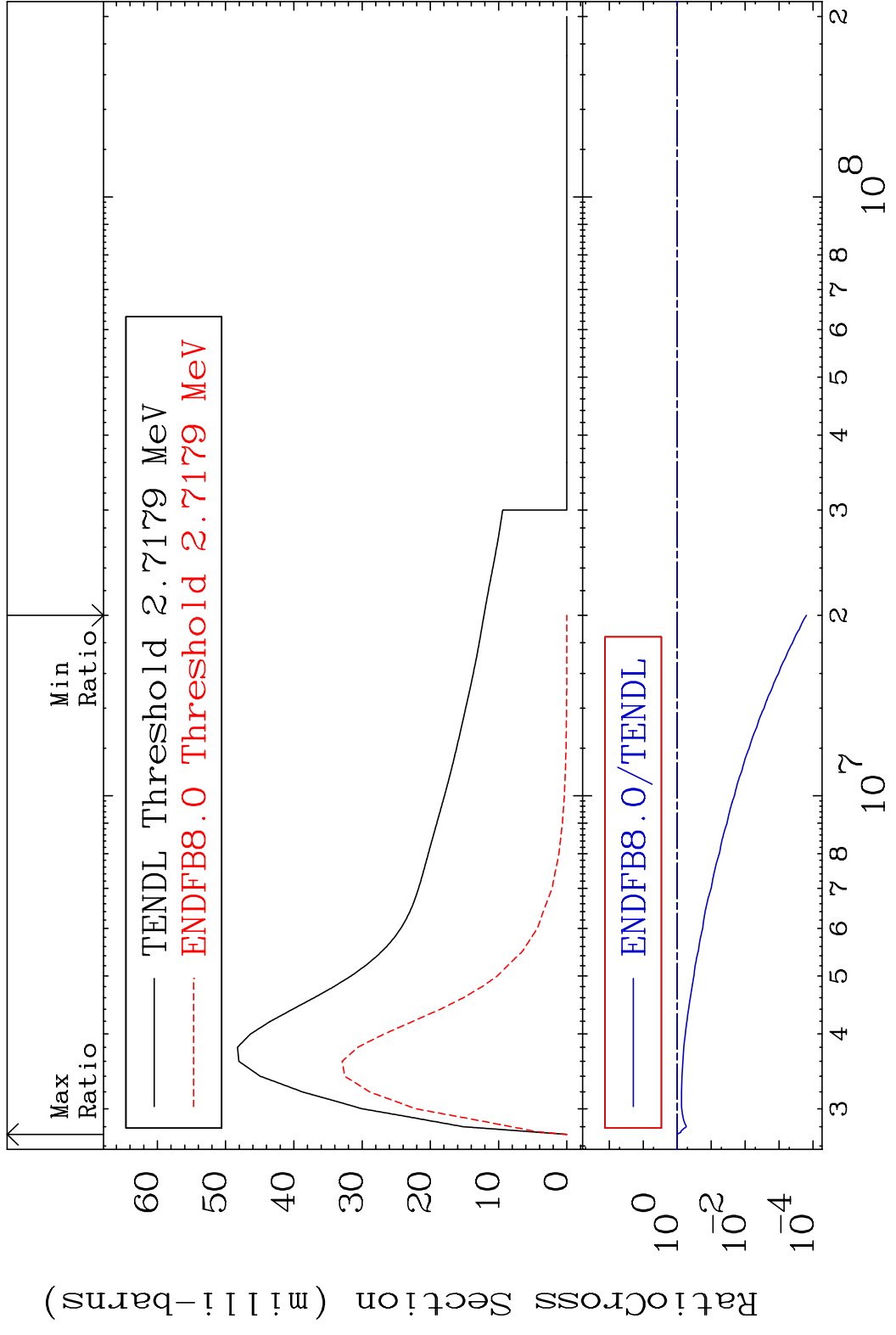


MAT 2840 MT= 70 (n,n') Level 28-Ni-63
 Cross Section -99.72 To 49.43 %

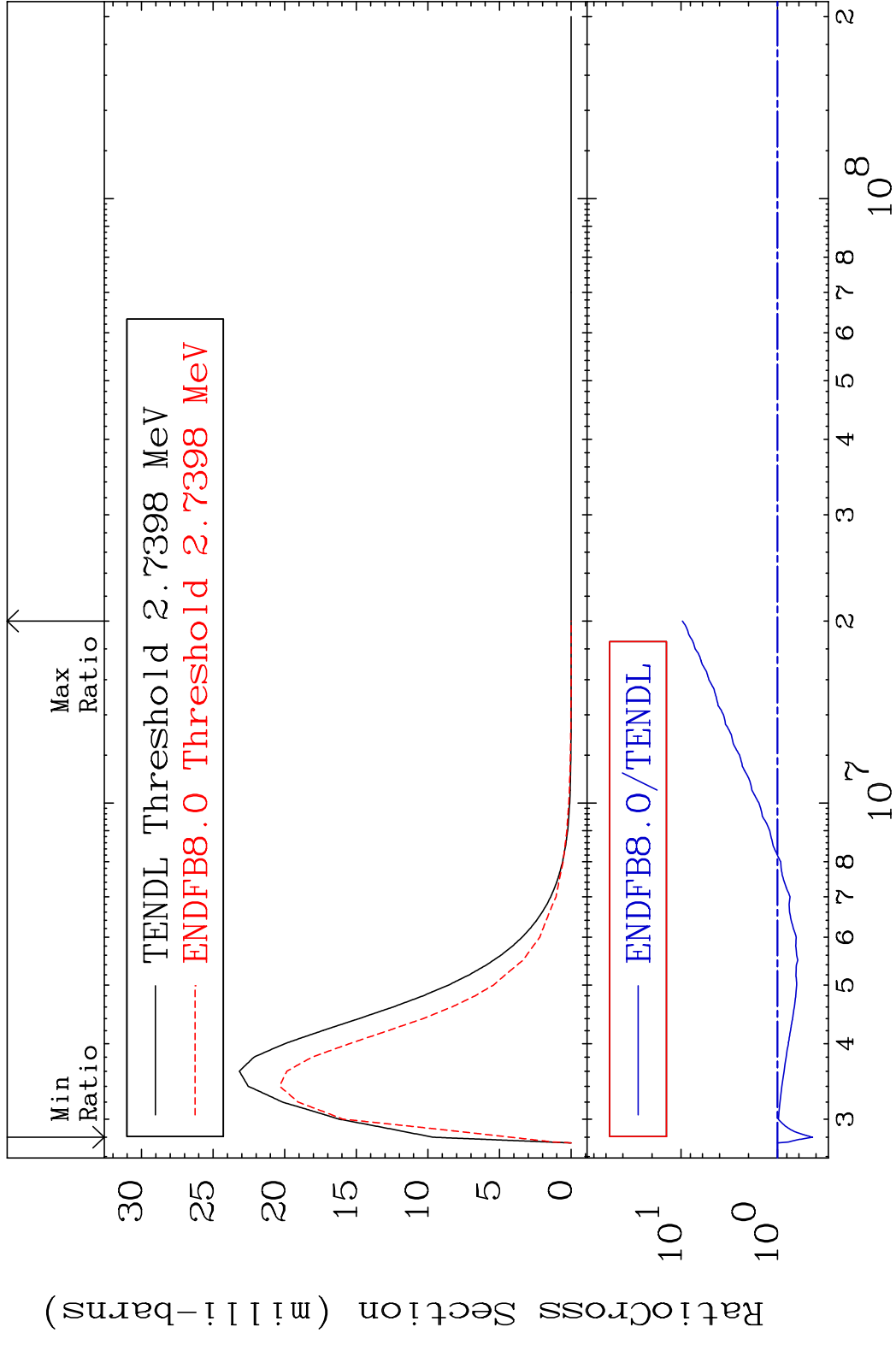


24 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 71 (n,n') Level 28-Ni-63
 Cross Section -99.98 To 0.000 %



MAT 2840 MT= 72 (n, n') Level 28-Ni-63
 Cross Section -56.57 To 869.9 %

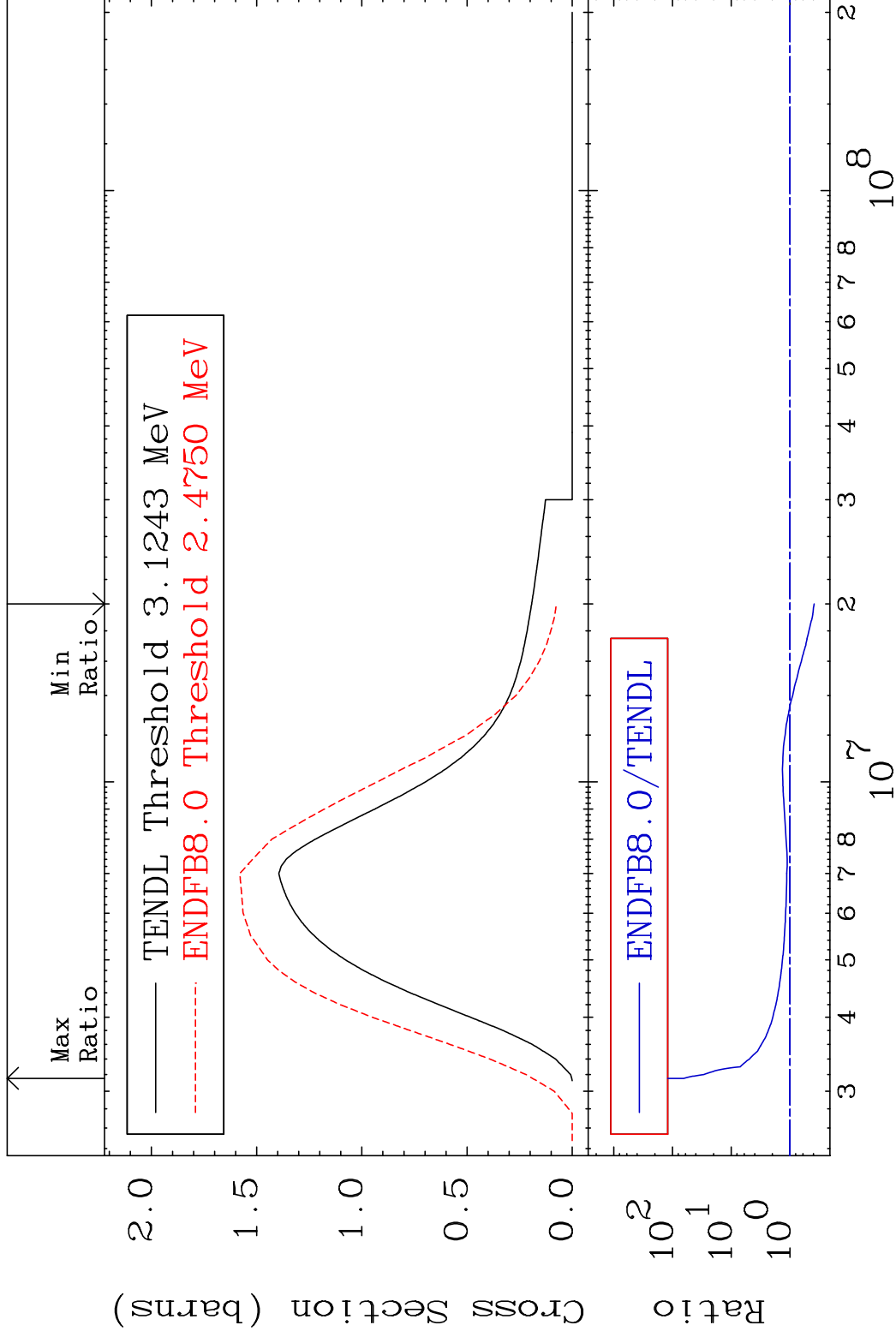


MAT 2840

(n,n') Continuum

28-Ni-63

Cross Section -61.10 To 6365. %

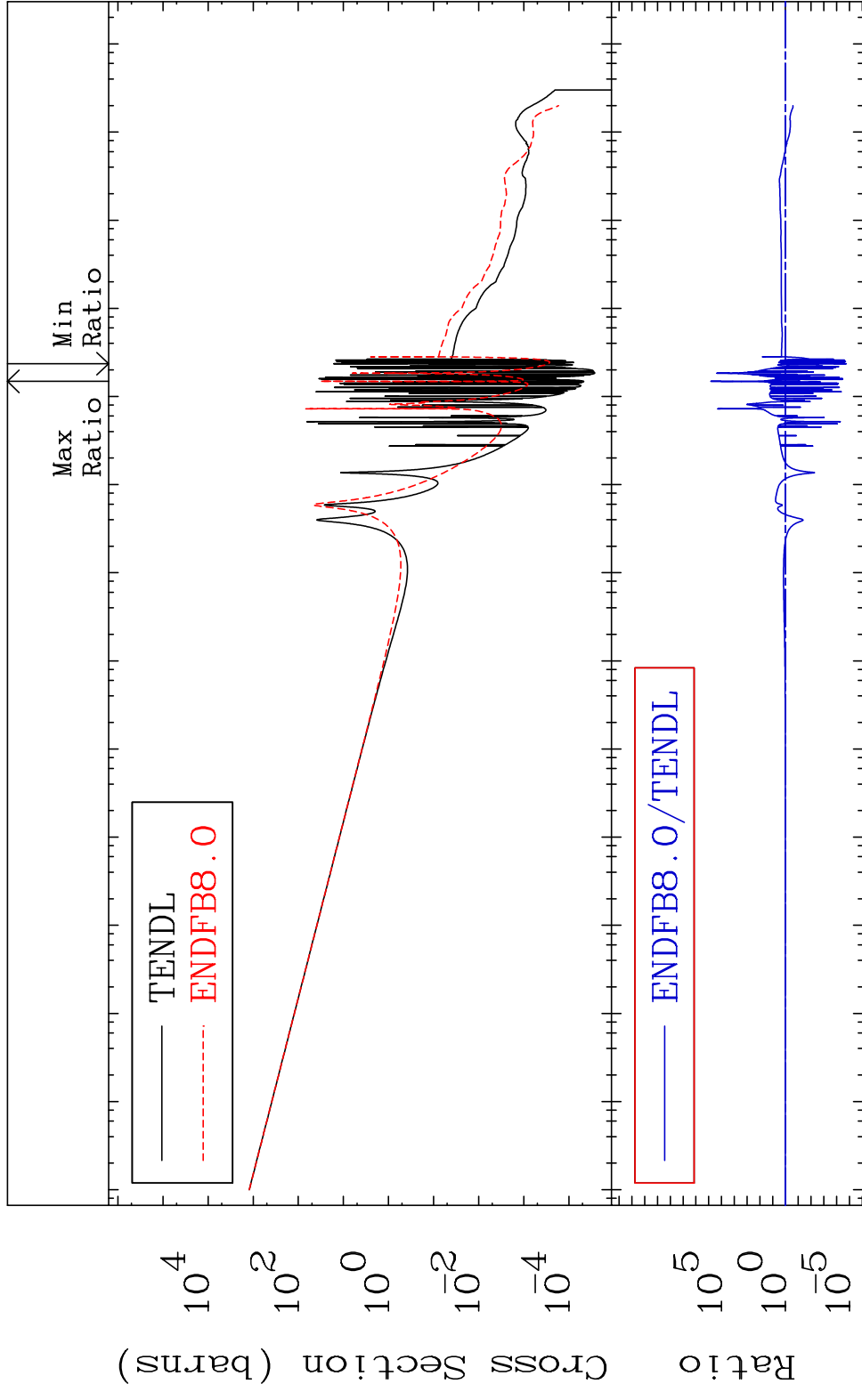


27

Incident Energy (eV)

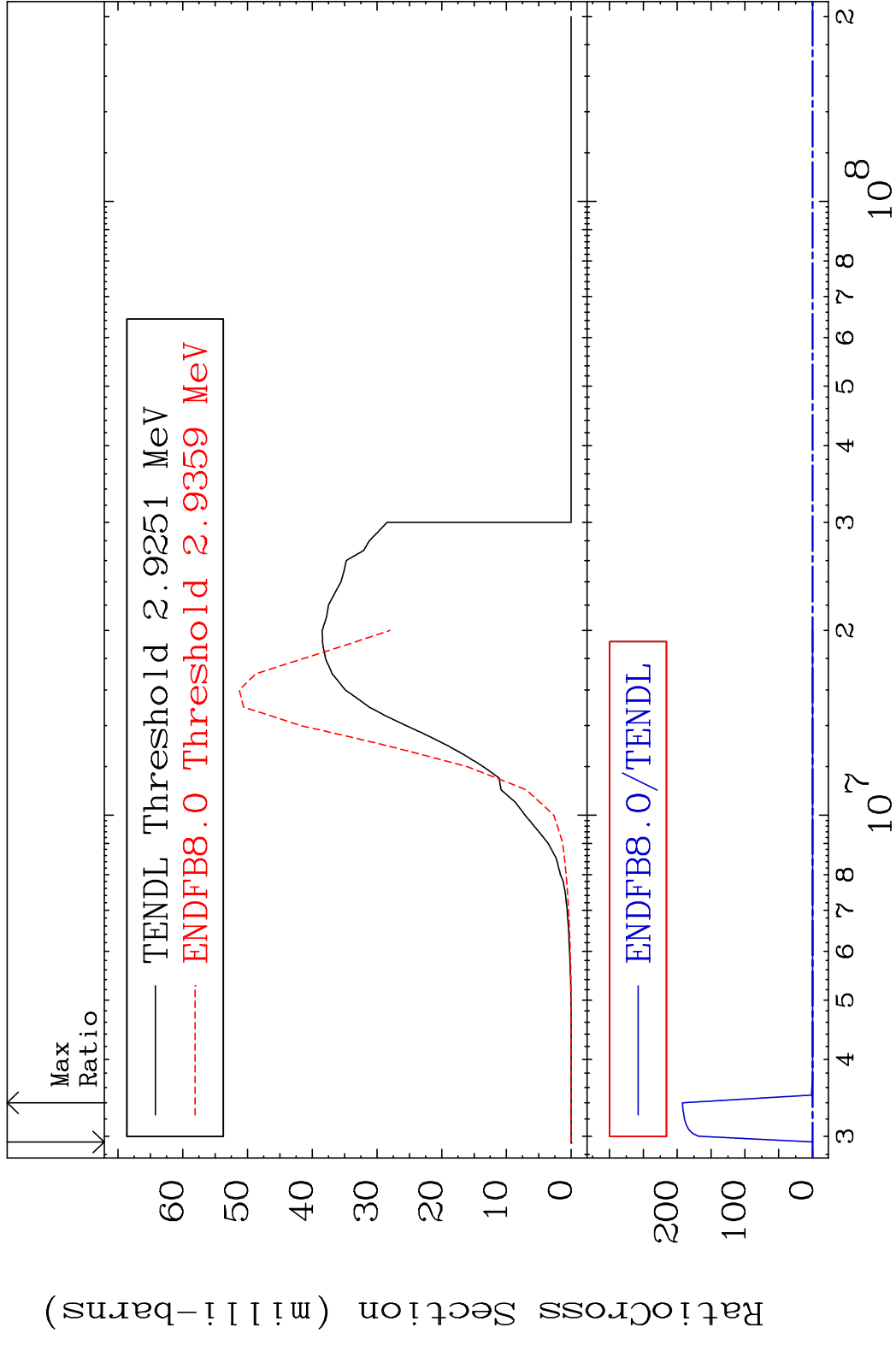
28-Ni-63

MAT 2840 (n, γ) 28-Ni-63
 Cross Section -100.0 To 9999. %

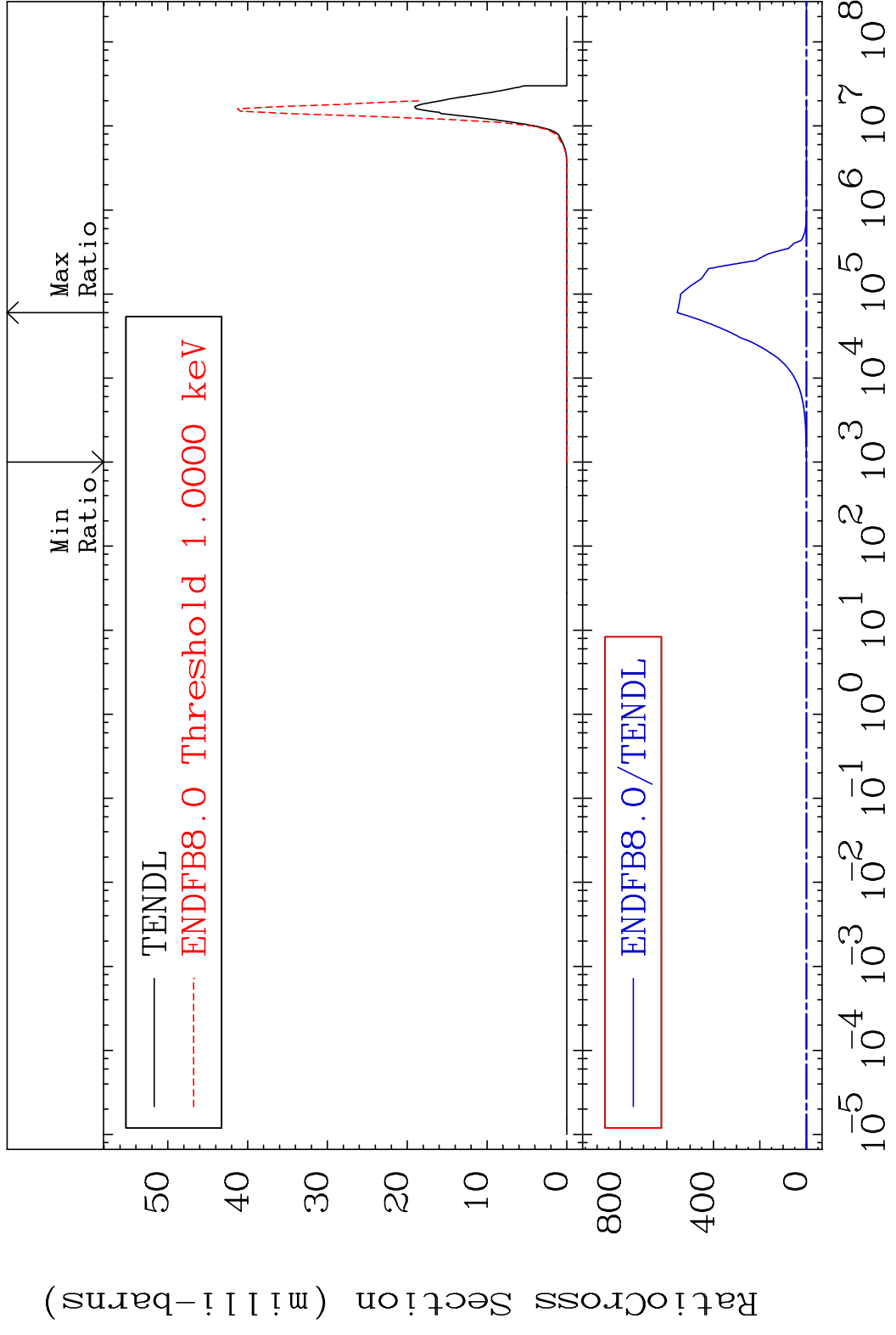


28 Incident Energy (eV) 28-Ni-63

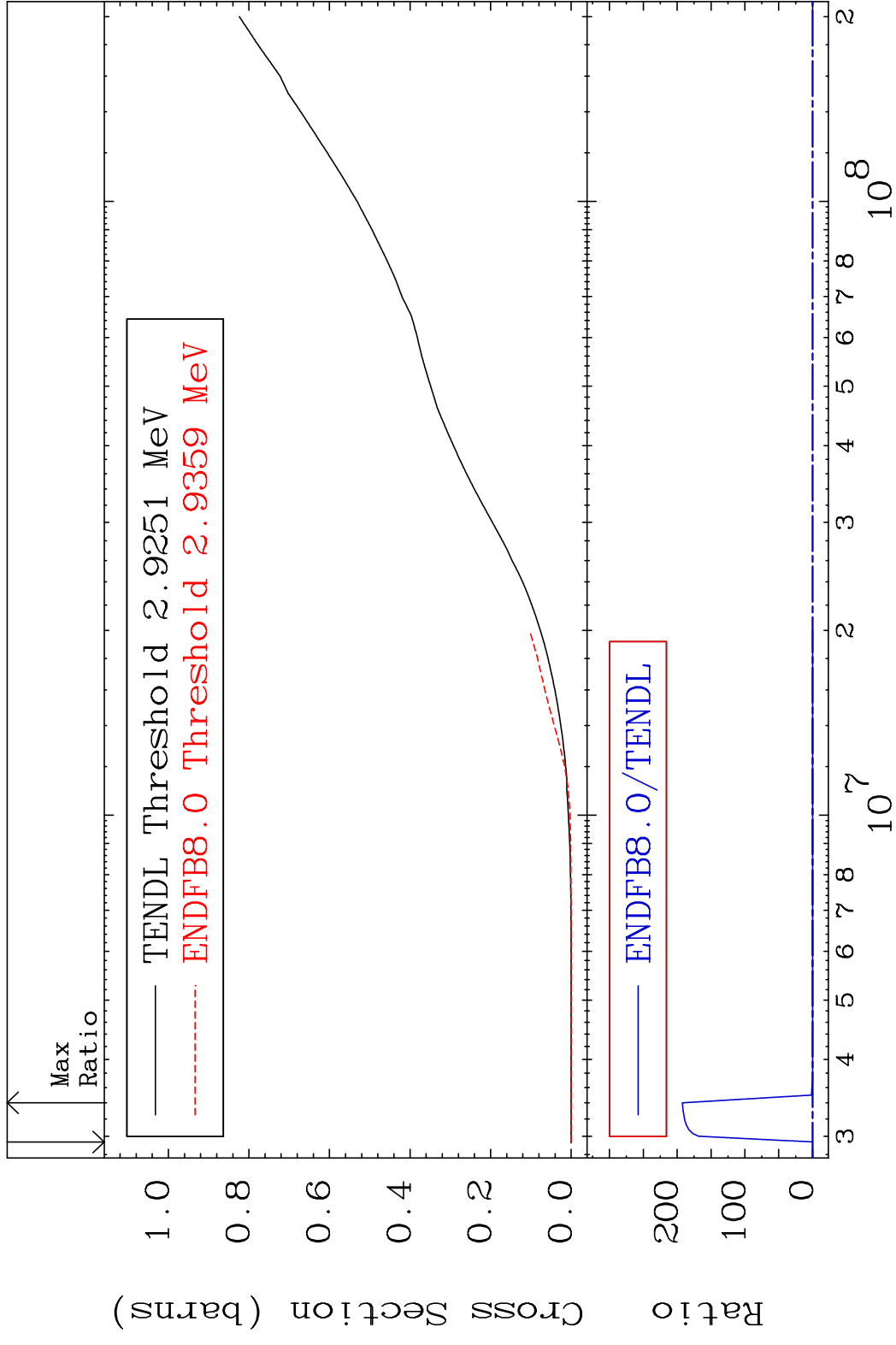
MAT 2840 (n,p) 28-Ni-63
 Cross Section -100.0 To 9999. %



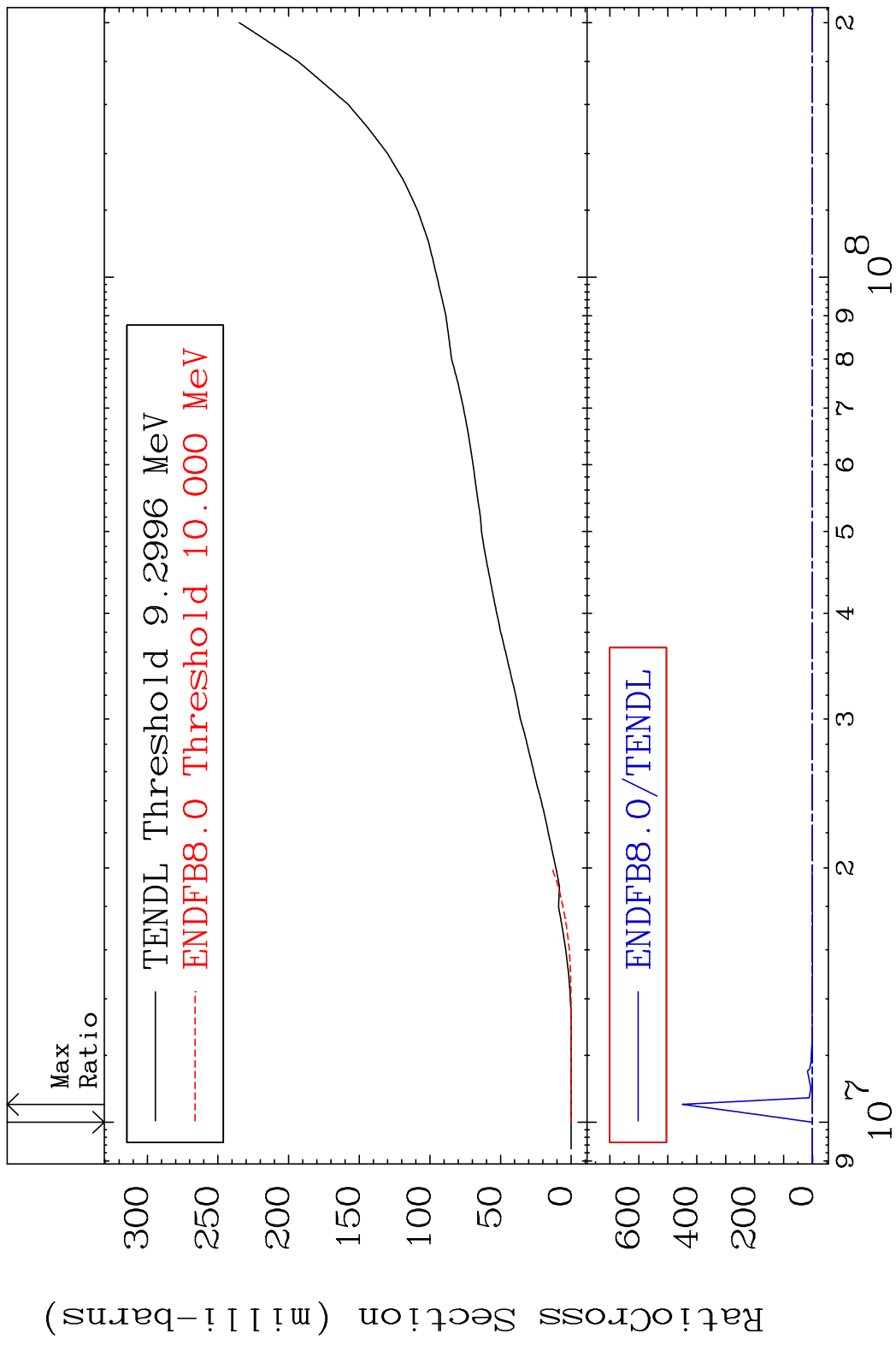
MAT 2840 (n, α) 28-Ni-63
 Cross Section -100.0 To 9999. %



MAT 2840 Hydrogen Production 28-Ni-63
 Cross Section -100.0 To 9999. %

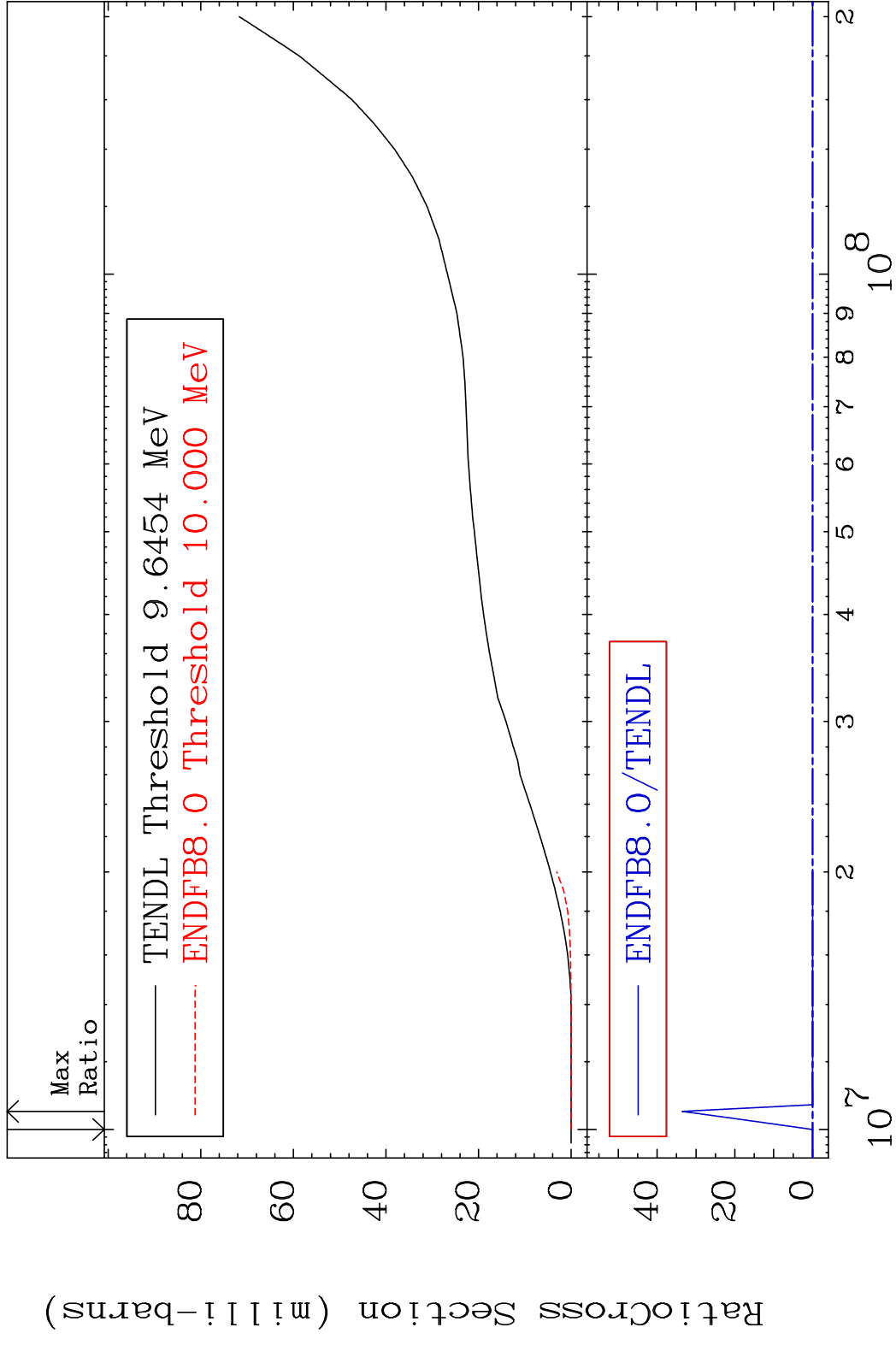


MAT 2840 Deuterium Production 28-Ni-63
 Cross Section -100.0 To 9999. %



32 28-Ni-63

MAT 2840 Tritium Production 28-Ni-63
 Cross Section -100.0 To 9999. %



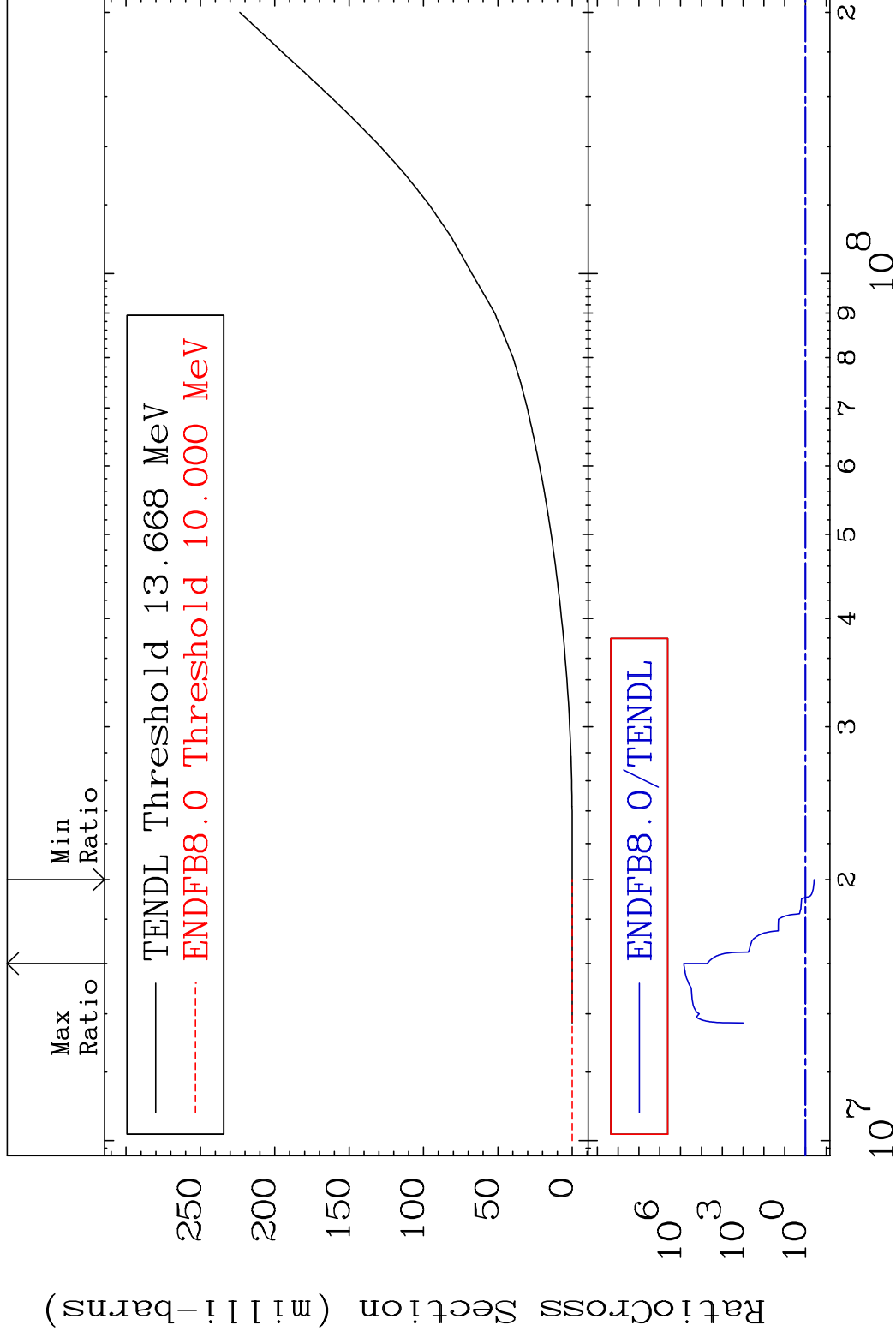
33 Incident Energy (eV) 28-Ni-63

MAT 2840

He-3 Production

28-Ni-63

Cross Section -61.39 To 9999. %



34

Incident Energy (eV)

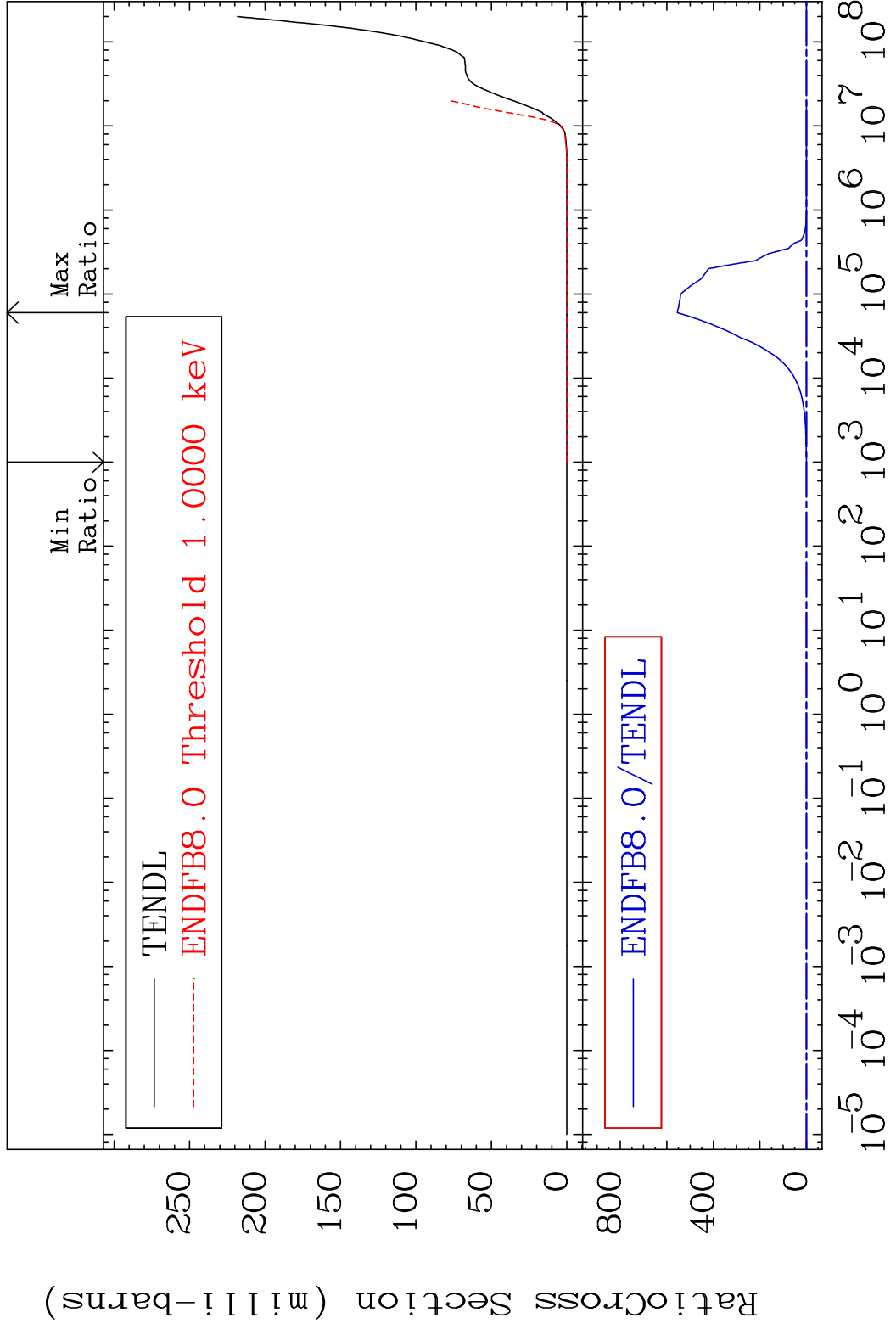
28-Ni-63

MAT 2840

He-4 Production

²⁸Ni-63

Cross Section -100.0 To 9999. %

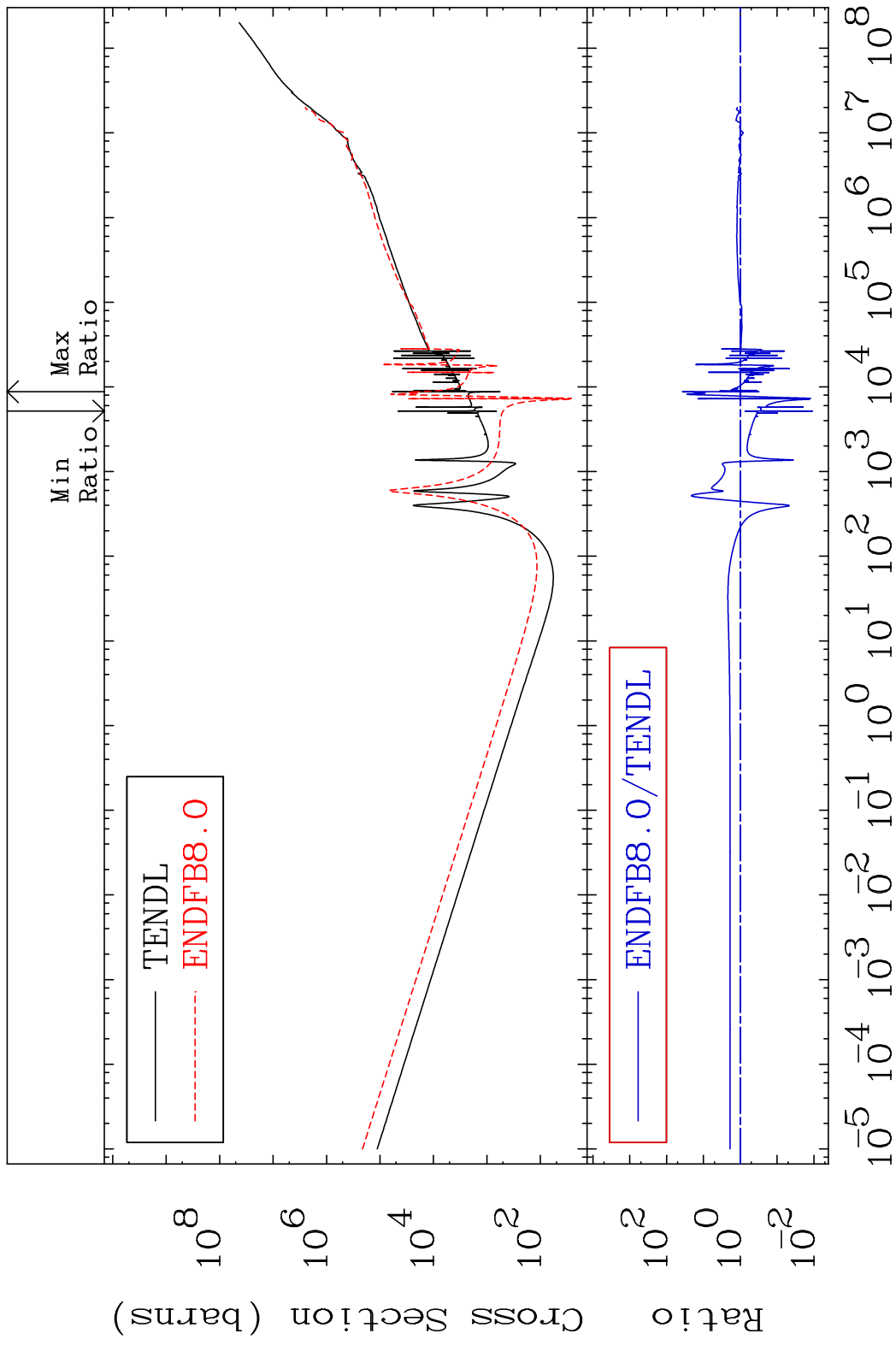


35

Incident Energy (eV)

²⁸Ni-63

MAT 2840 Kerma total (eV-barns) 28-Ni-63
 Cross Section -98.91 To 3634. %



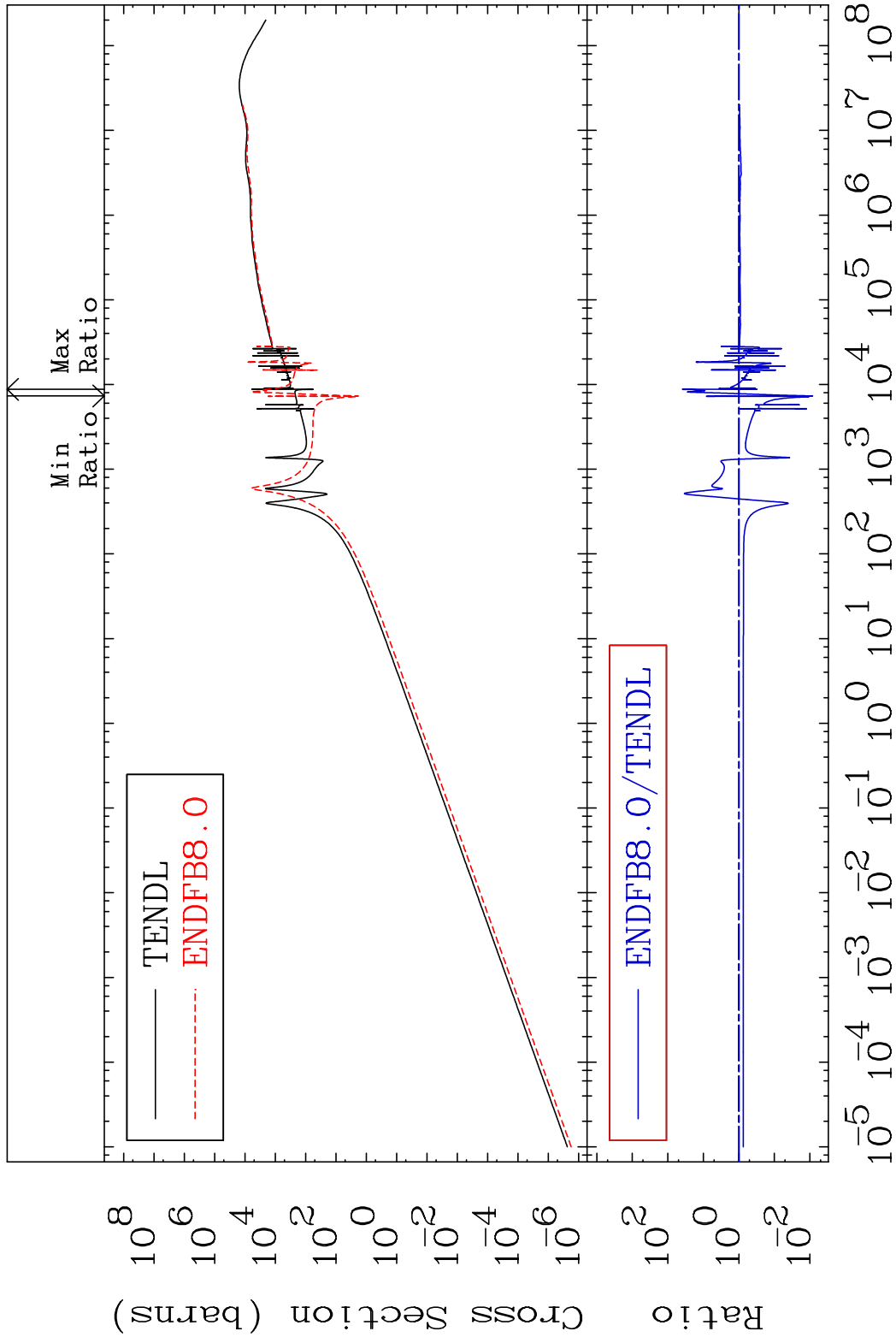
36 Incident Energy (eV) 28-Ni-63

MAT 2840

Kerma elastic

28-Ni-63

Cross Section -99.16 To 3799. %

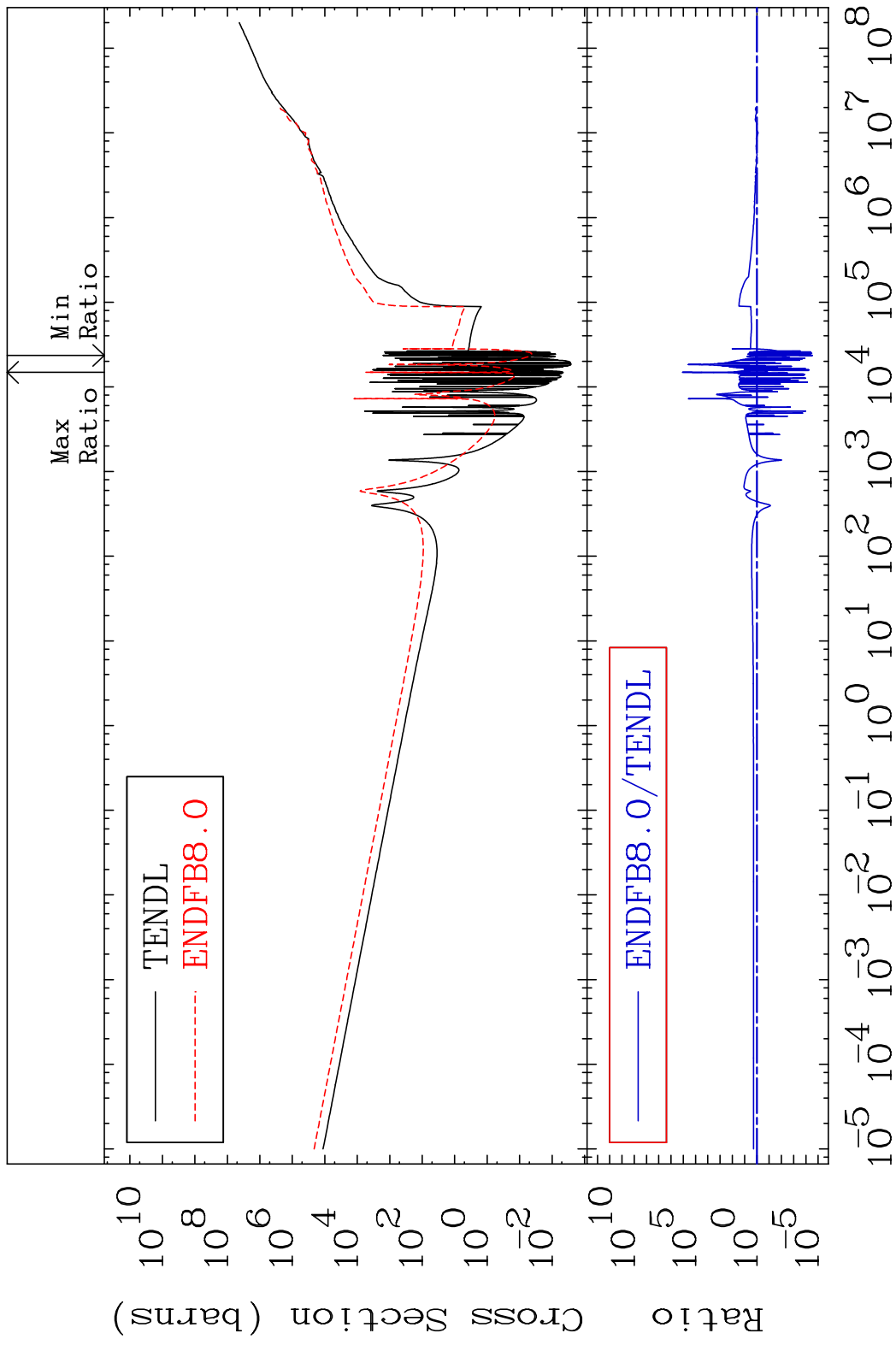


37

Incident Energy (eV)

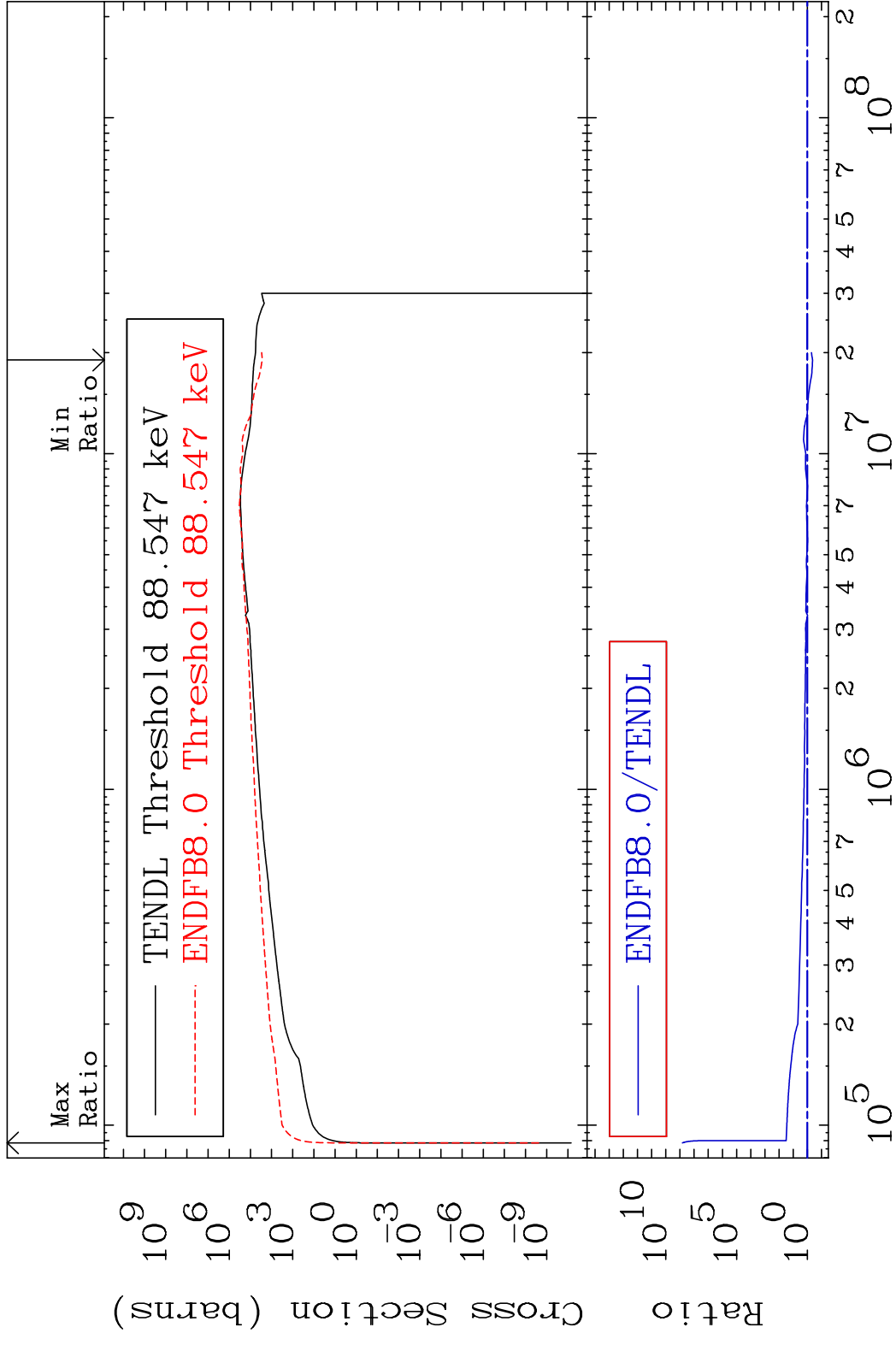
28-Ni-63

MAT 2840 Kerma non-elastic (all but mt2) 28-Ni-63
 Cross Section -100.0 To 9999. %



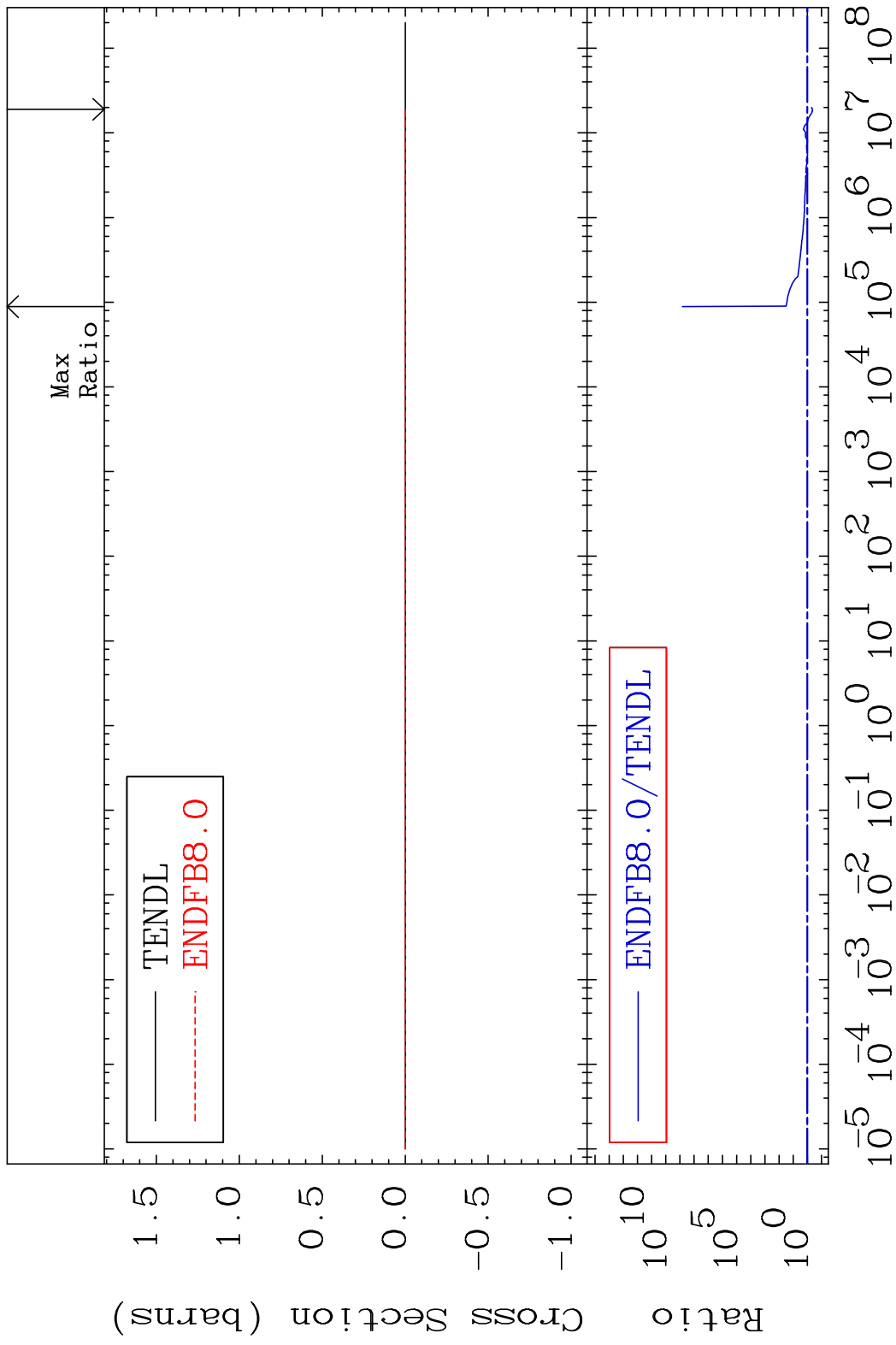
38 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma inelastic (mt51-91) 28-Ni-63
 Cross Section -57.19 To 9999. %



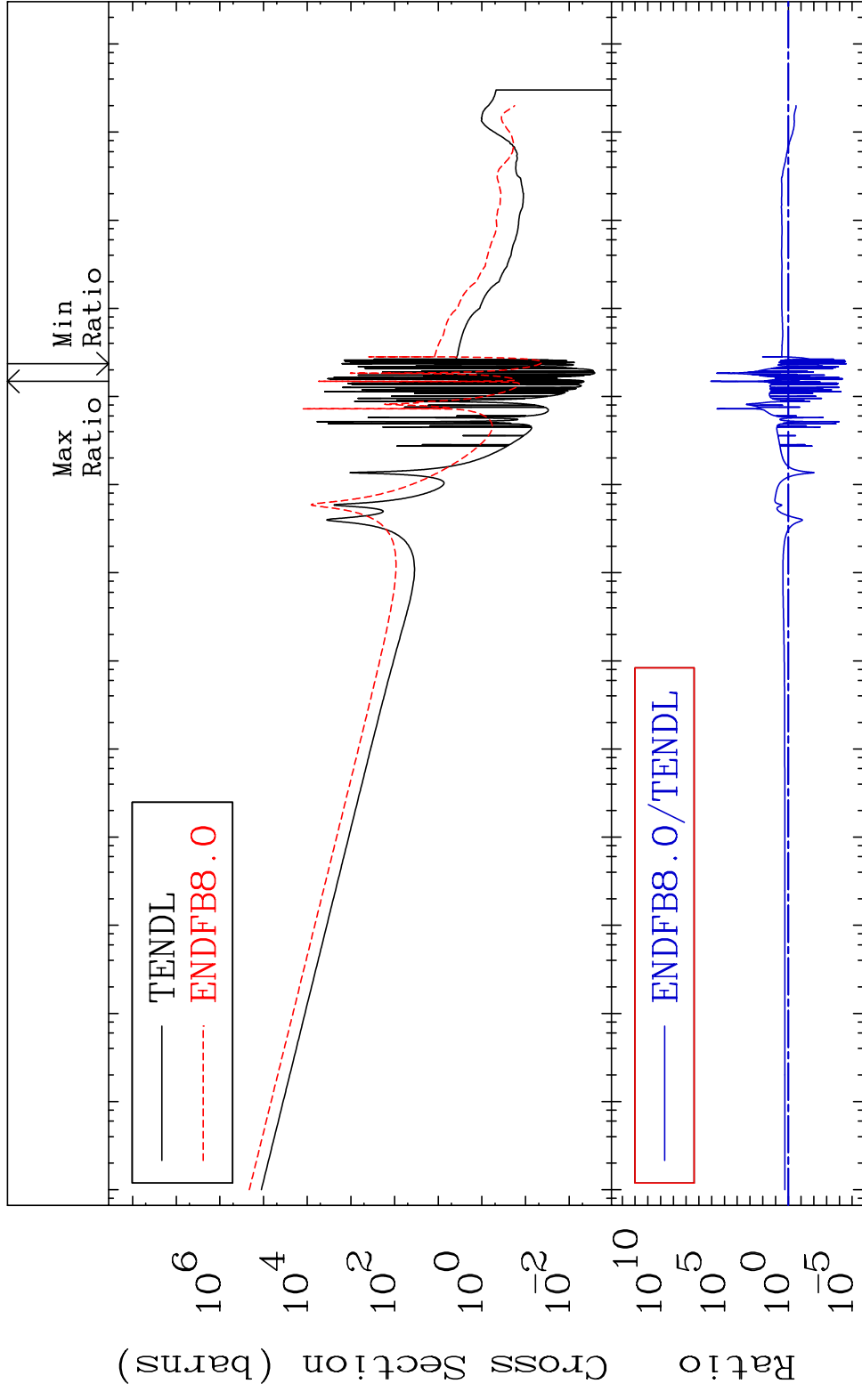
39 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-63
 Cross Section -57.19 To 9999. %



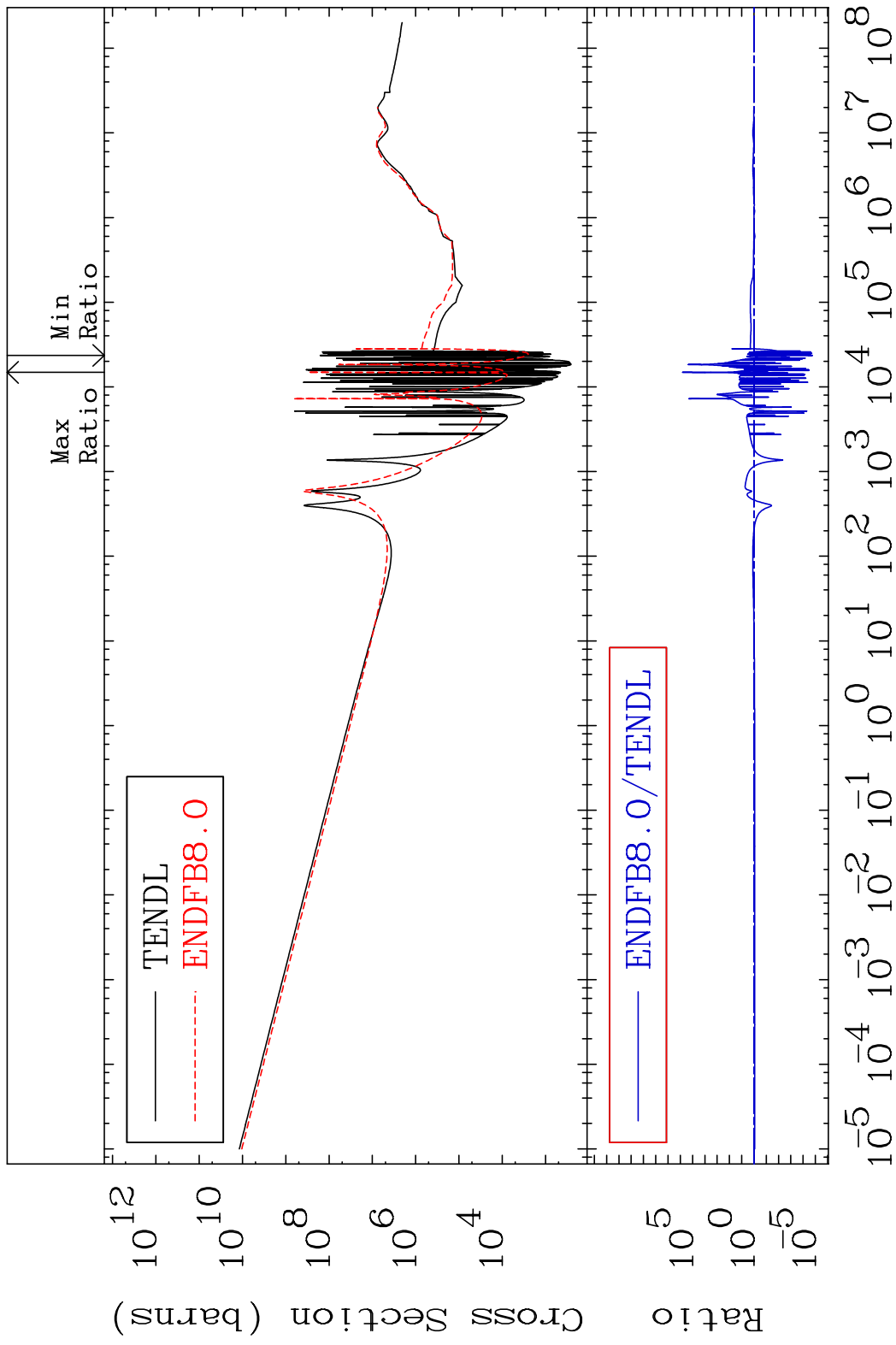
40 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma capture (mt102) 28-Ni-63
 Cross Section -100.0 To 9999. %



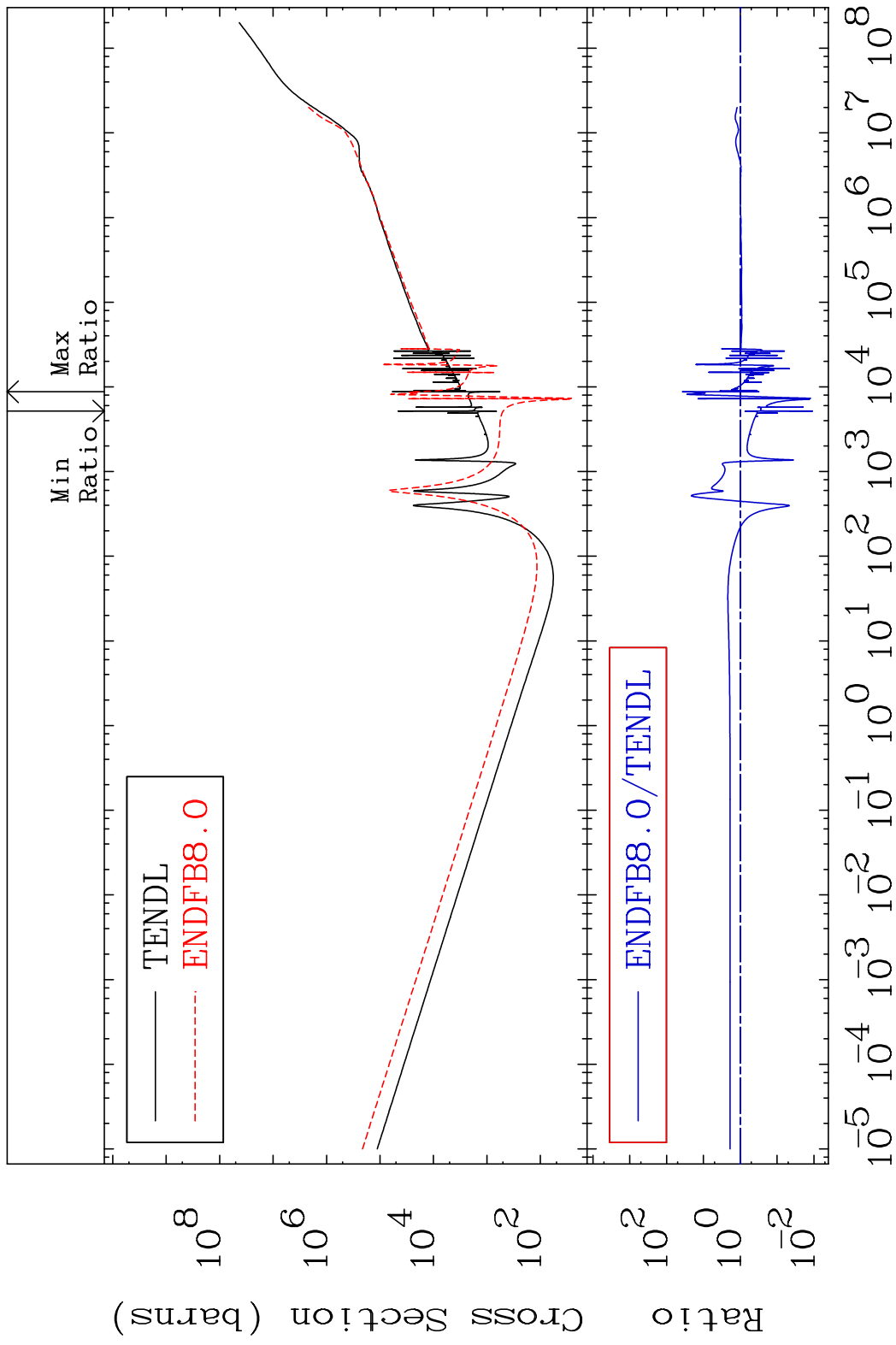
41 Incident Energy (eV) 28-Ni-63

MAT 2840 Total photon (eV-barns) 28-Ni-63
Cross Section -100.0 To 9999. %

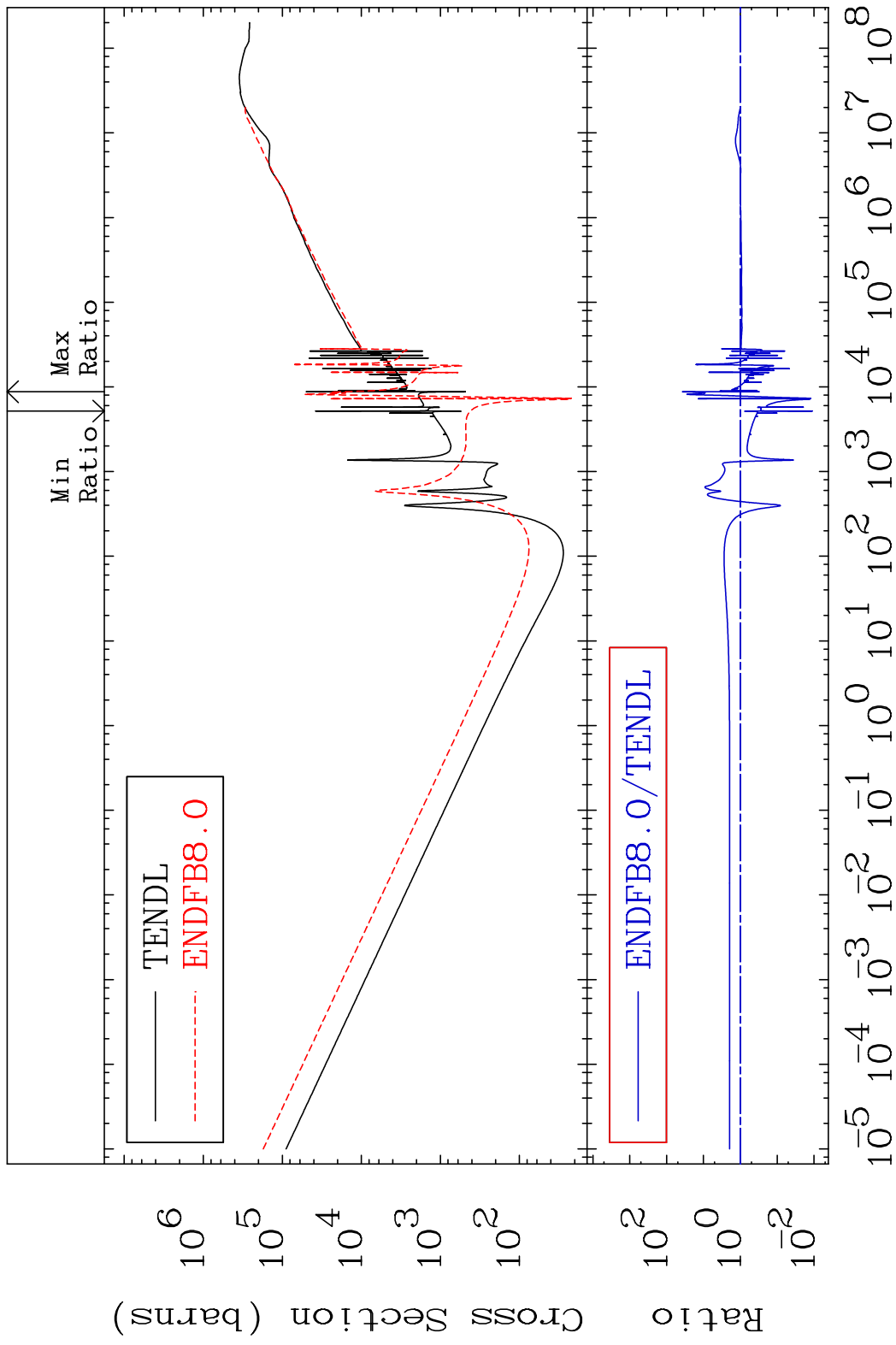


42 Incident Energy (eV) 28-Ni-63

MAT 2840 Total kinematic kerma (high limit) 28-Ni-63
 Cross Section -98.91 To 3634. %



MAT 2840 Dpa total (eV-barns) 28-Ni-63
 Cross Section -98.90 To 3642. %

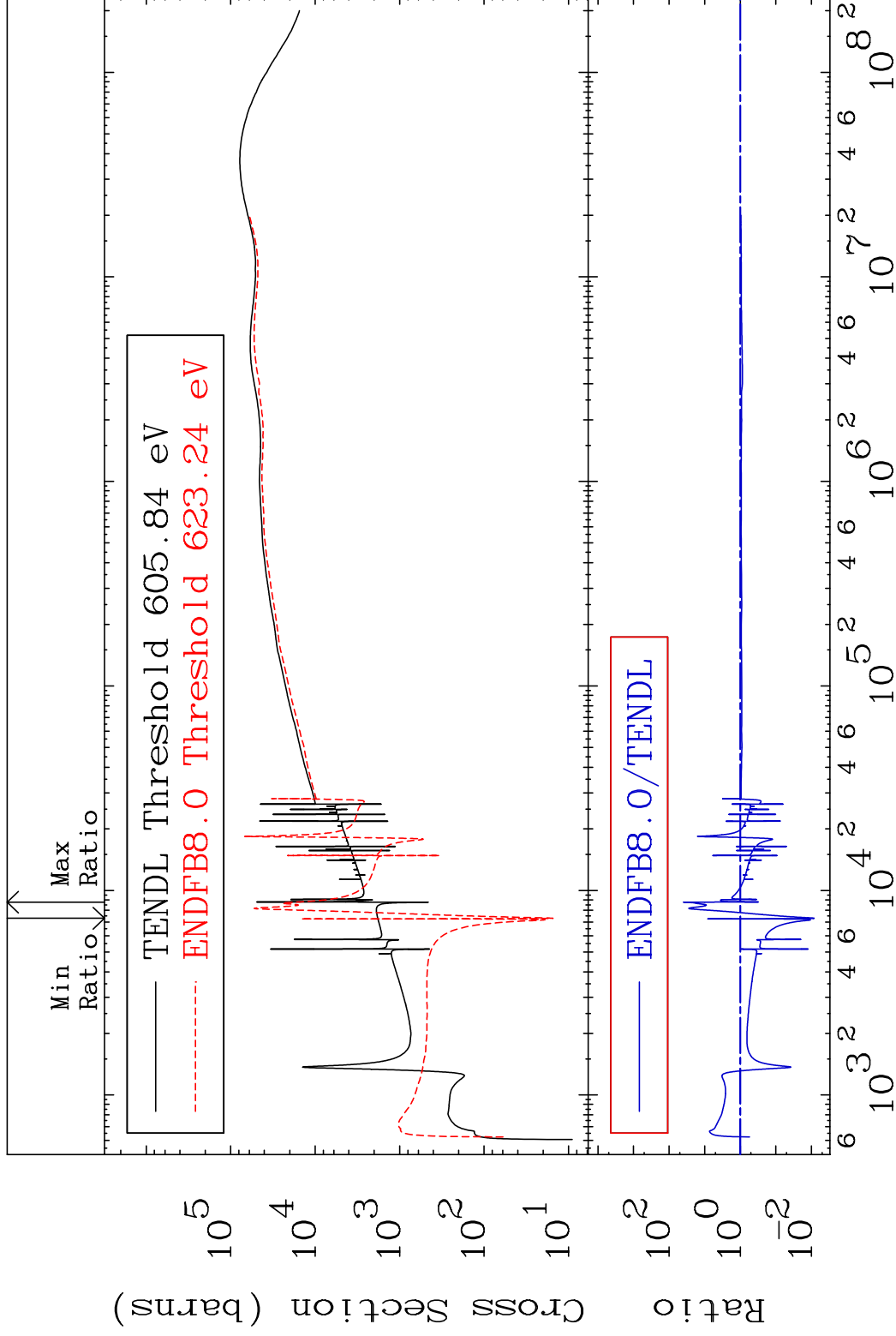


MAT 2840

Dpa elastic (mt2)

28-Ni-63

Cross Section -99.16 To 3799. %

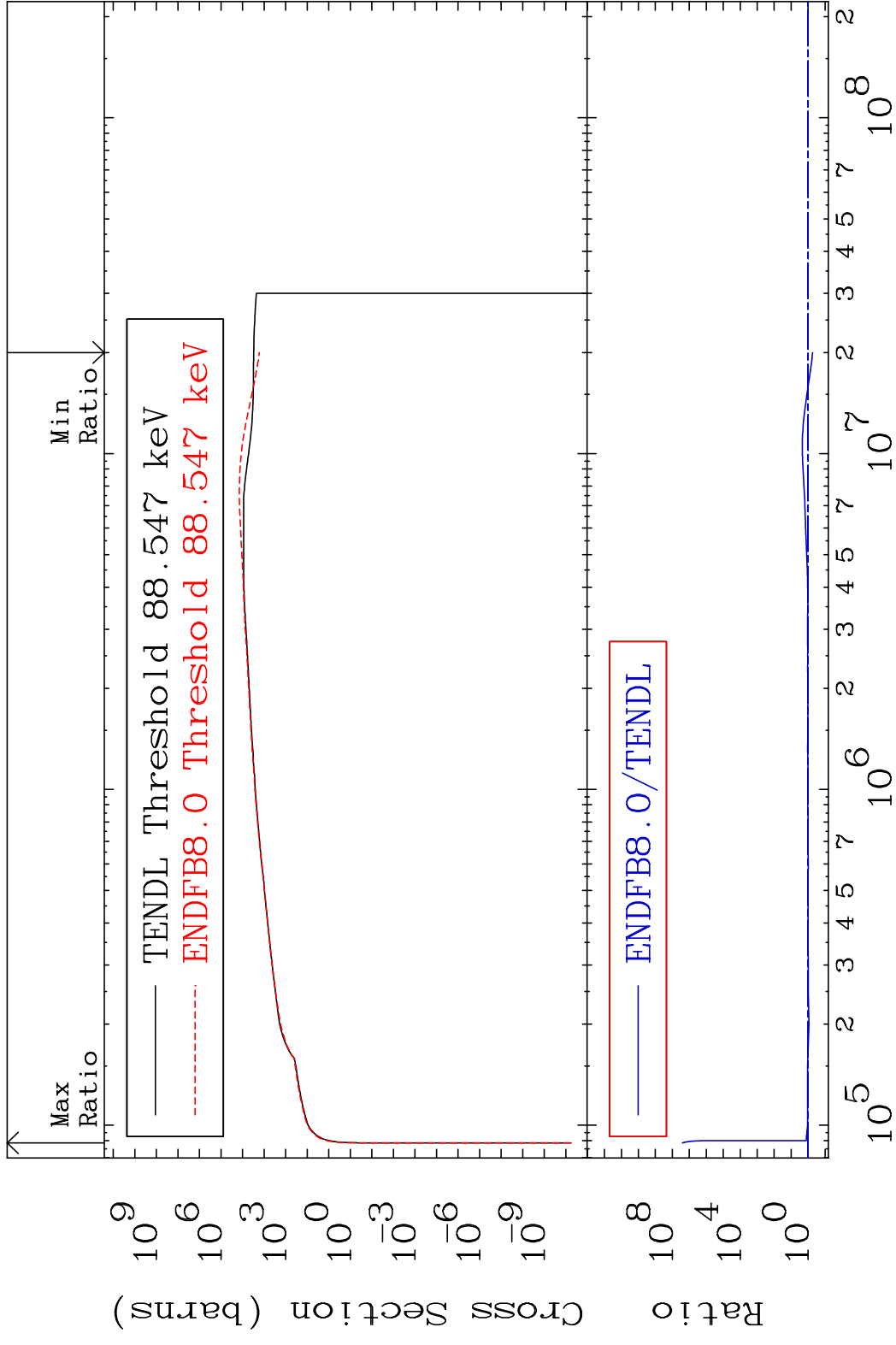


45

Incident Energy (eV)

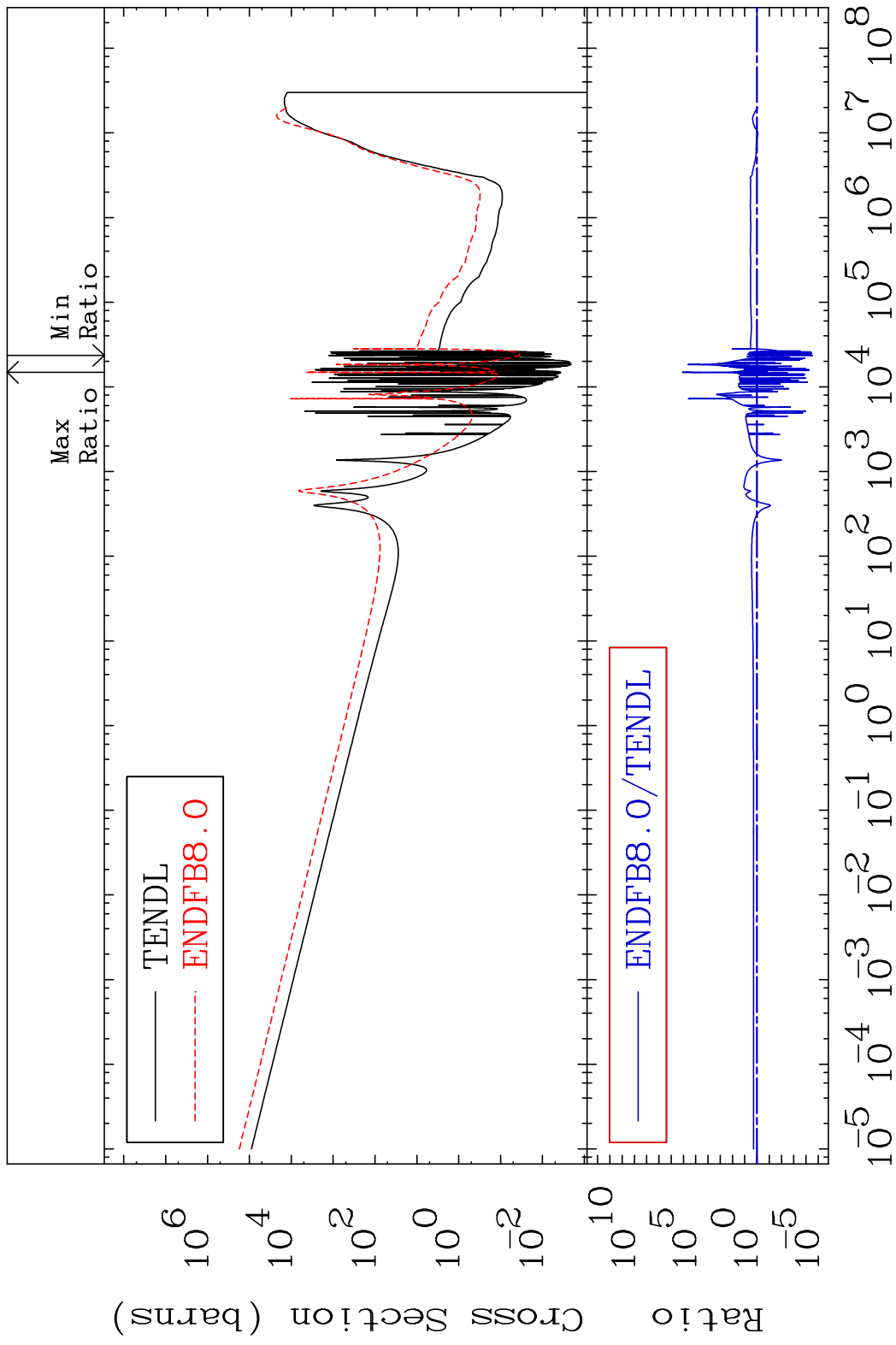
28-Ni-63

MAT 2840 Dpa inelastic (mt51-91) 28-Ni-63
 Cross Section -45.25 To 9999. %



46 Incident Energy (eV) 28-Ni-63

MAT 2840 Dpa disappearance (mt102 -120) 28-Ni-63
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 28-Ni-63