

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

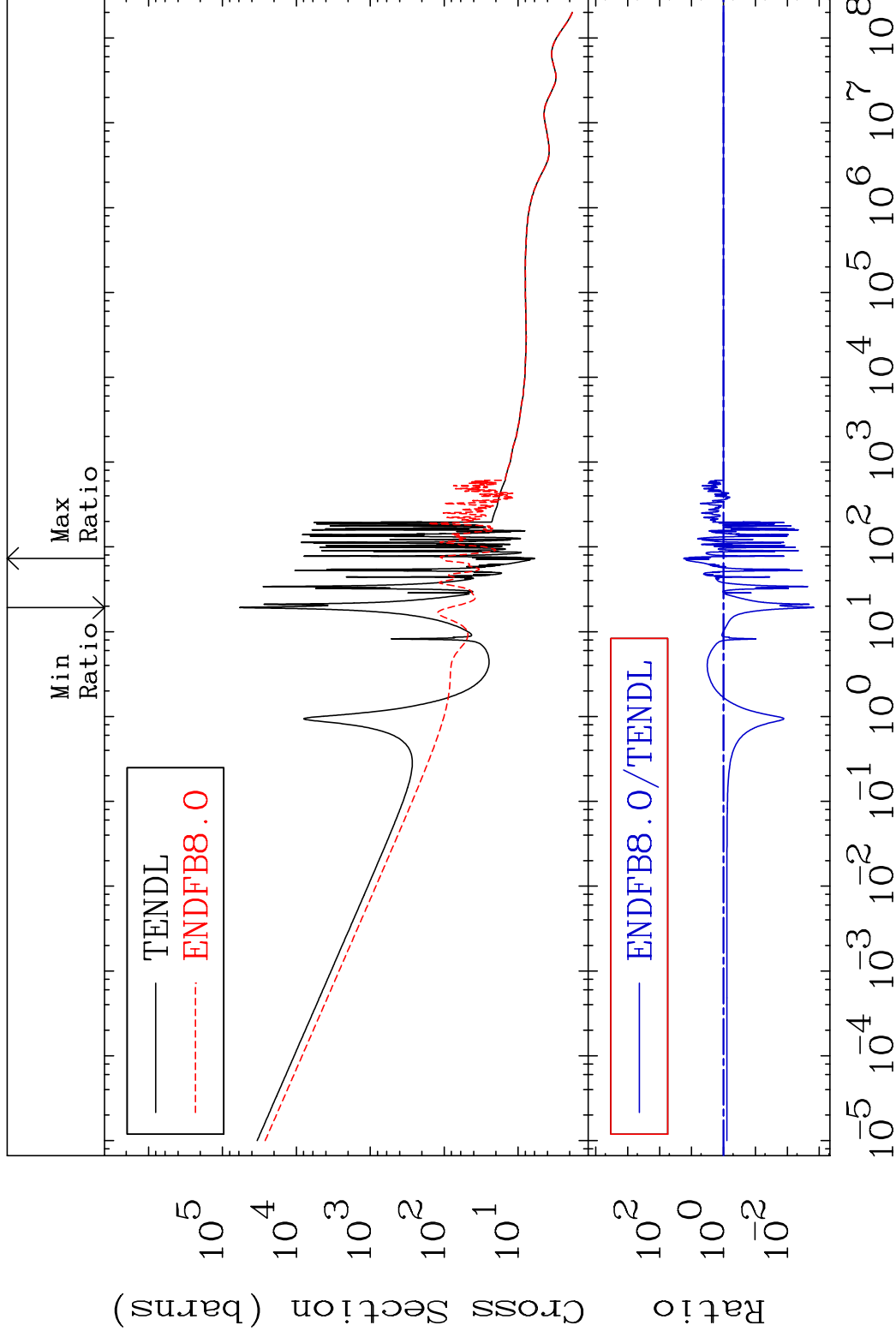
MAT 4834

Total

48-Cd-109

Cross Section

-99.85 To 1666. %



1

Incident Energy (eV)

48-Cd-109

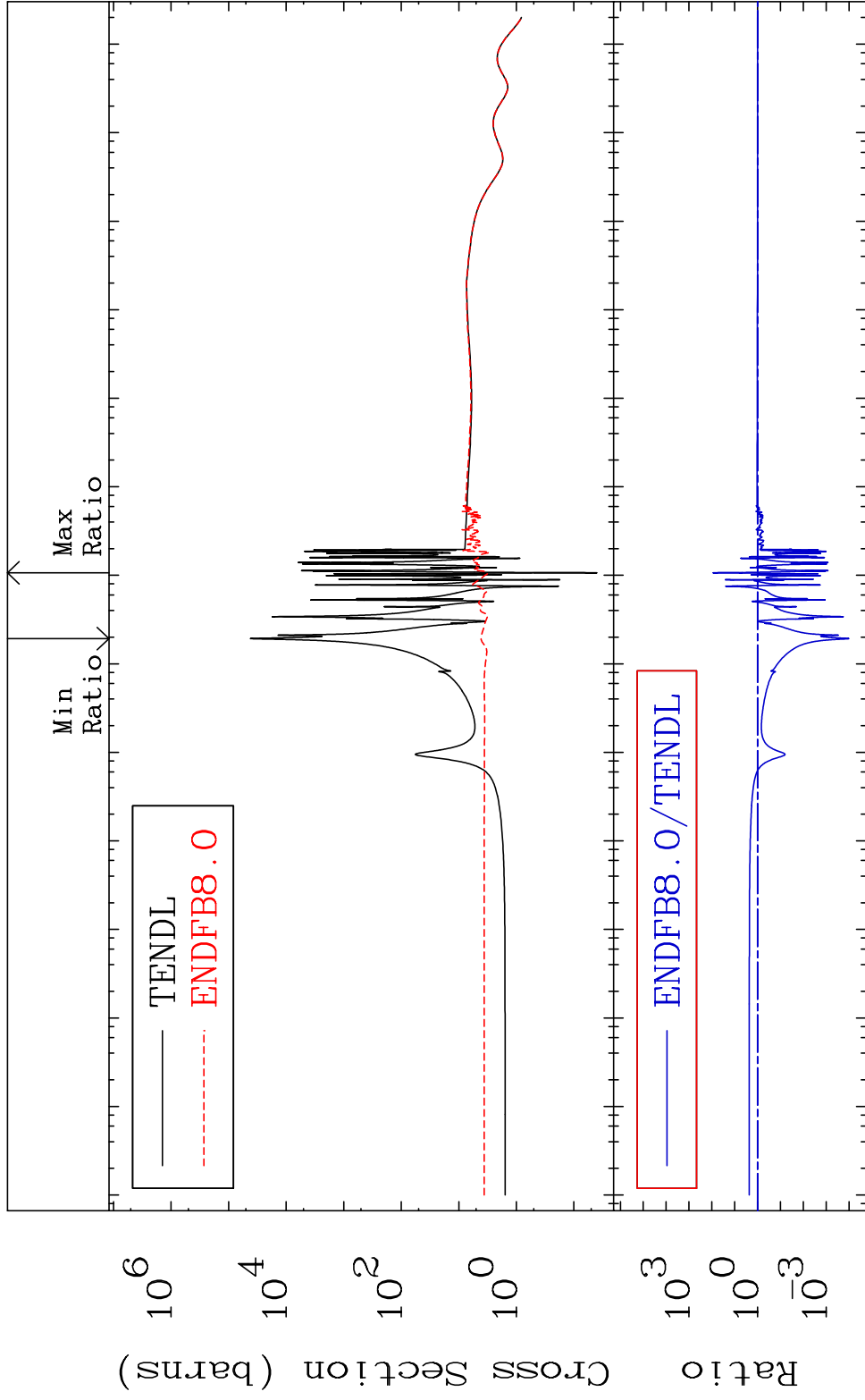
MAT 4834

Elastic

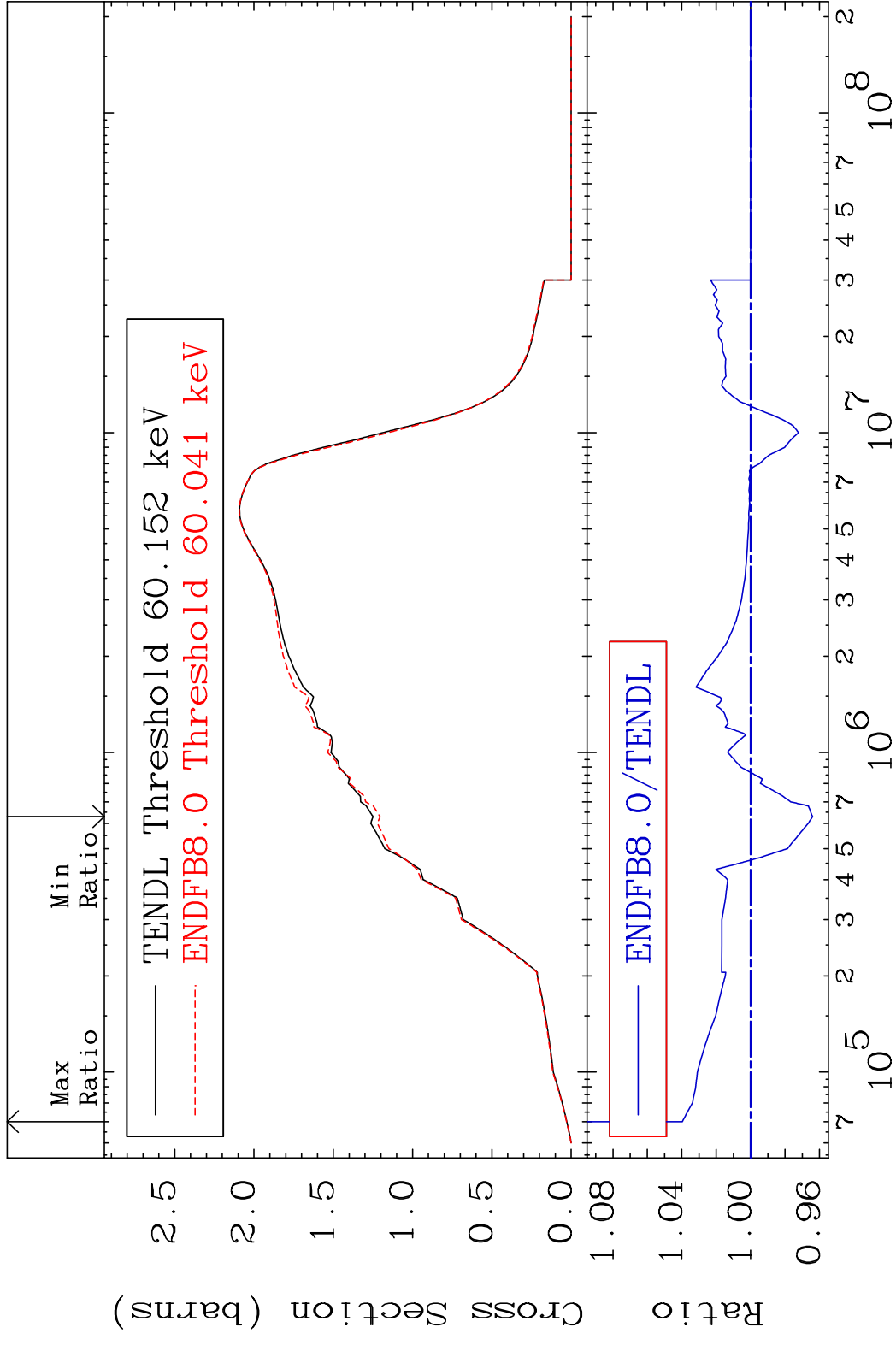
48-Cd-109

Cross Section

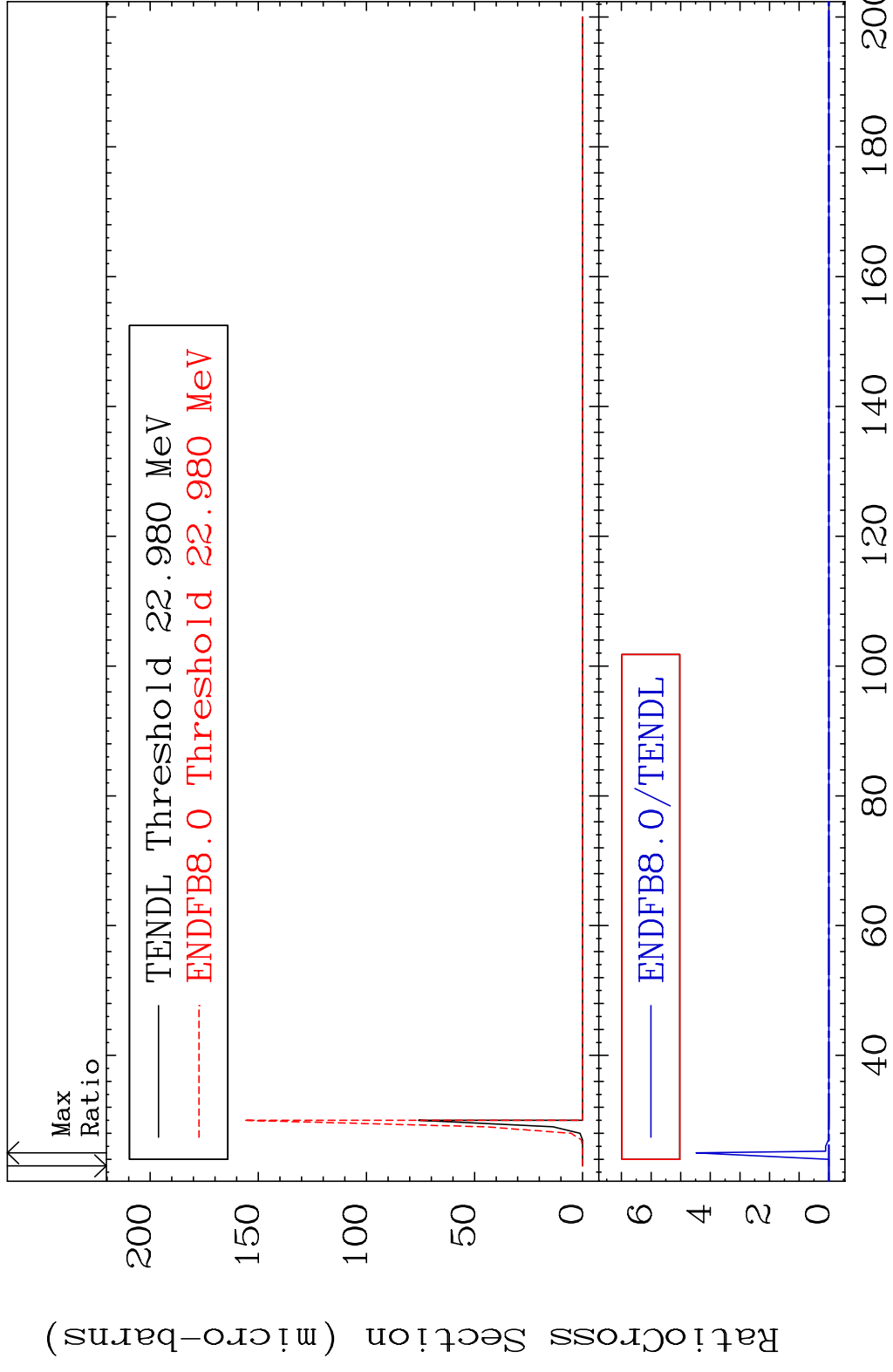
-99.99 To 8623. %



MAT 4834 Inelastic 48-Cd-109
 Cross Section -3.599 To 3.967 %



MAT 4834 (n,2n) d 48-Cd-109
Cross Section -100.0 To 9999. %

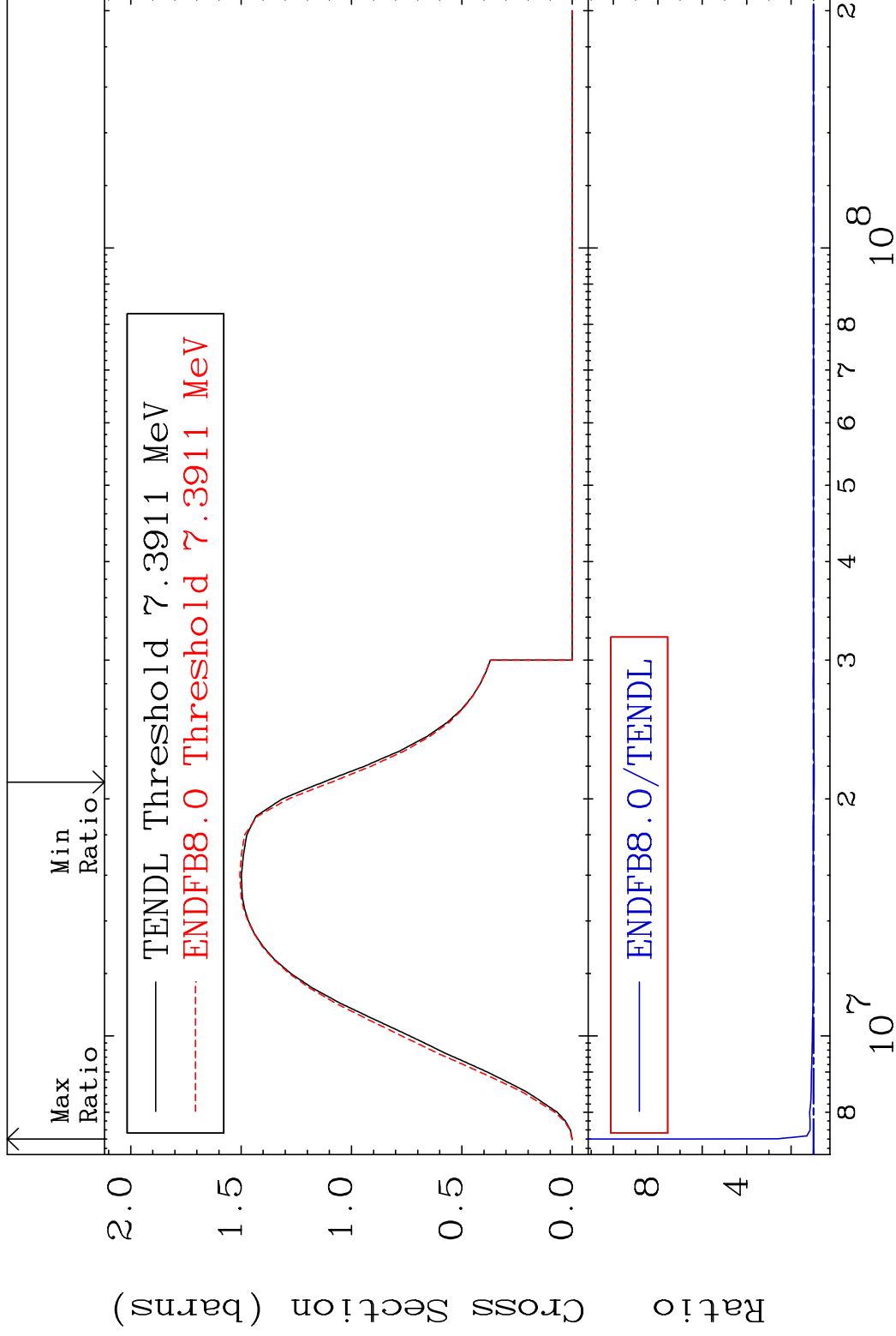


MAT 4834

(n,2n)

48-Cd-109

Cross Section -3.282 To 583.7 %



5

Incident Energy (eV)

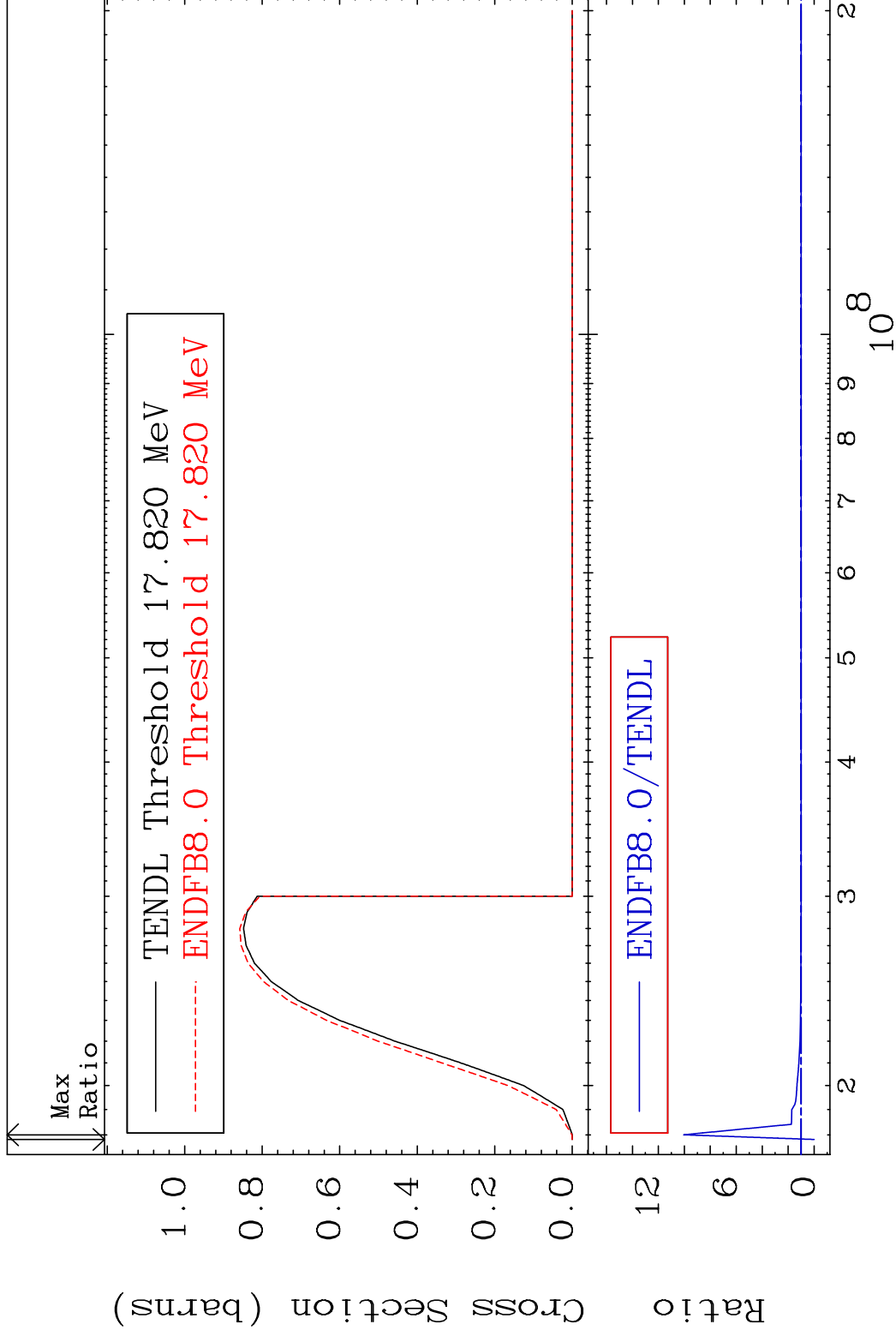
48-Cd-109

MAT 4834

(n,3n)

48-Cd-109

Cross Section -100.0 To 905.1 %



6

Incident Energy (eV)

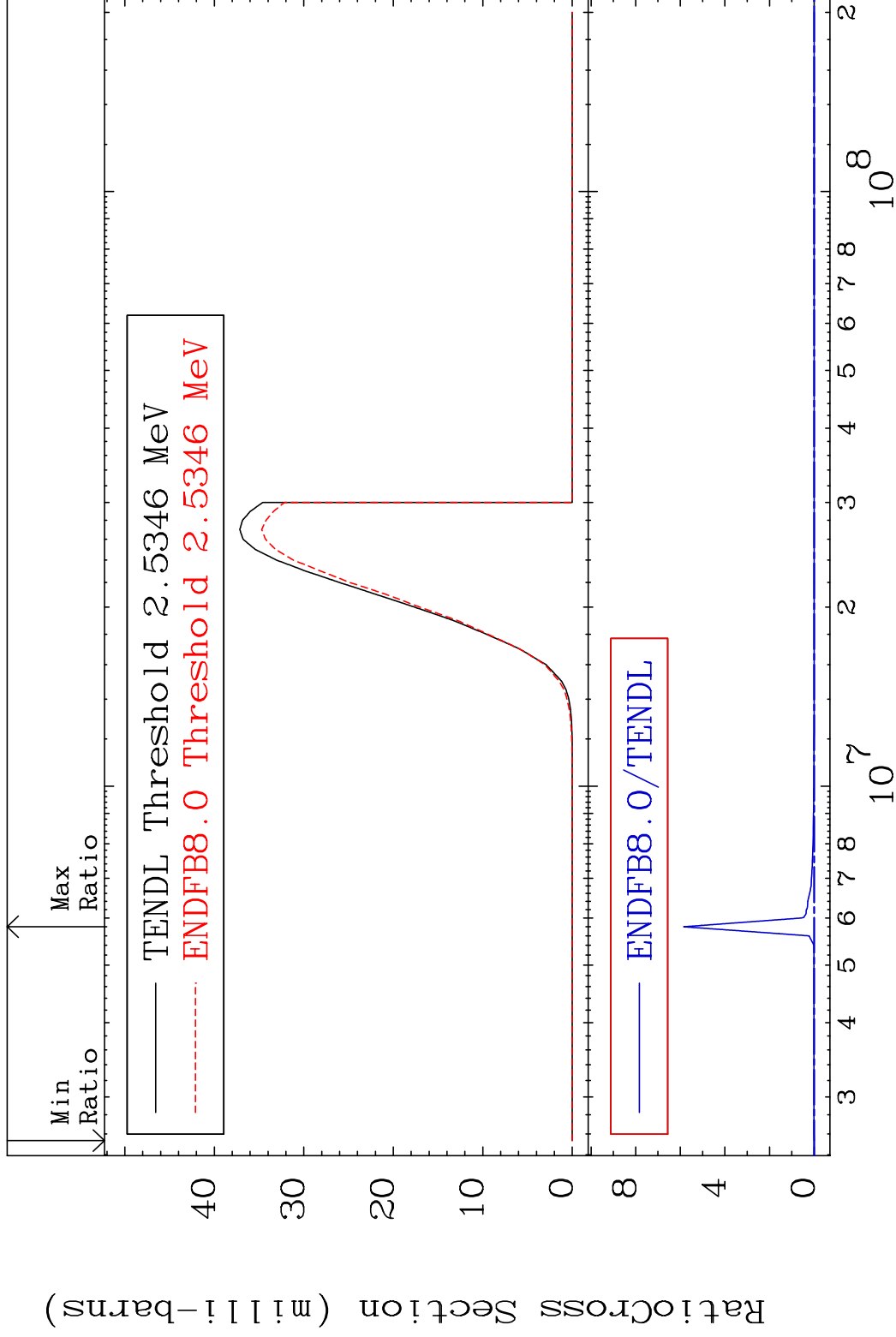
48-Cd-109

MAT 4834

(n, n') α

48-Cd-109

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

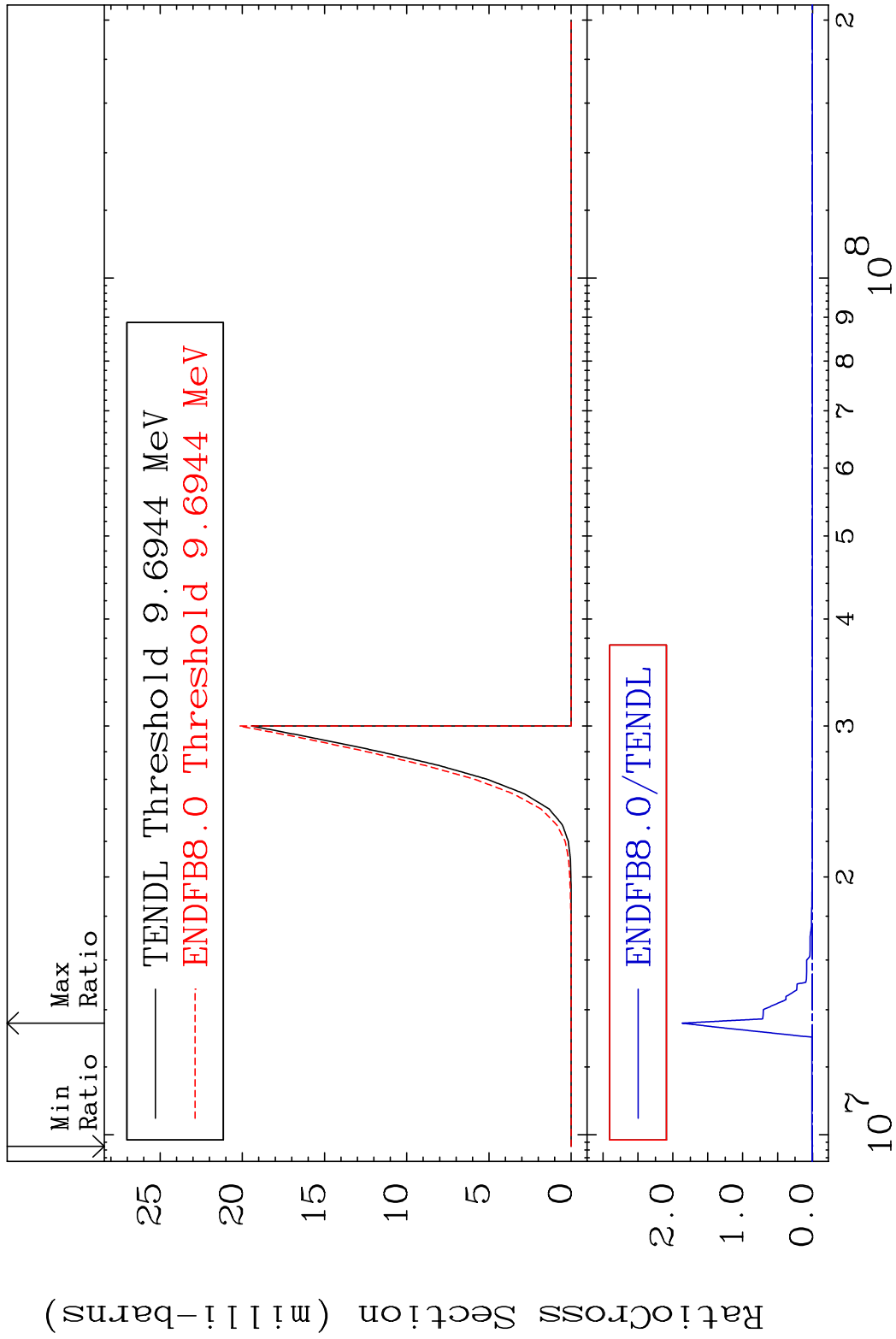
48-Cd-109

MAT 4834

(n,2n) α

48-Cd-109

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

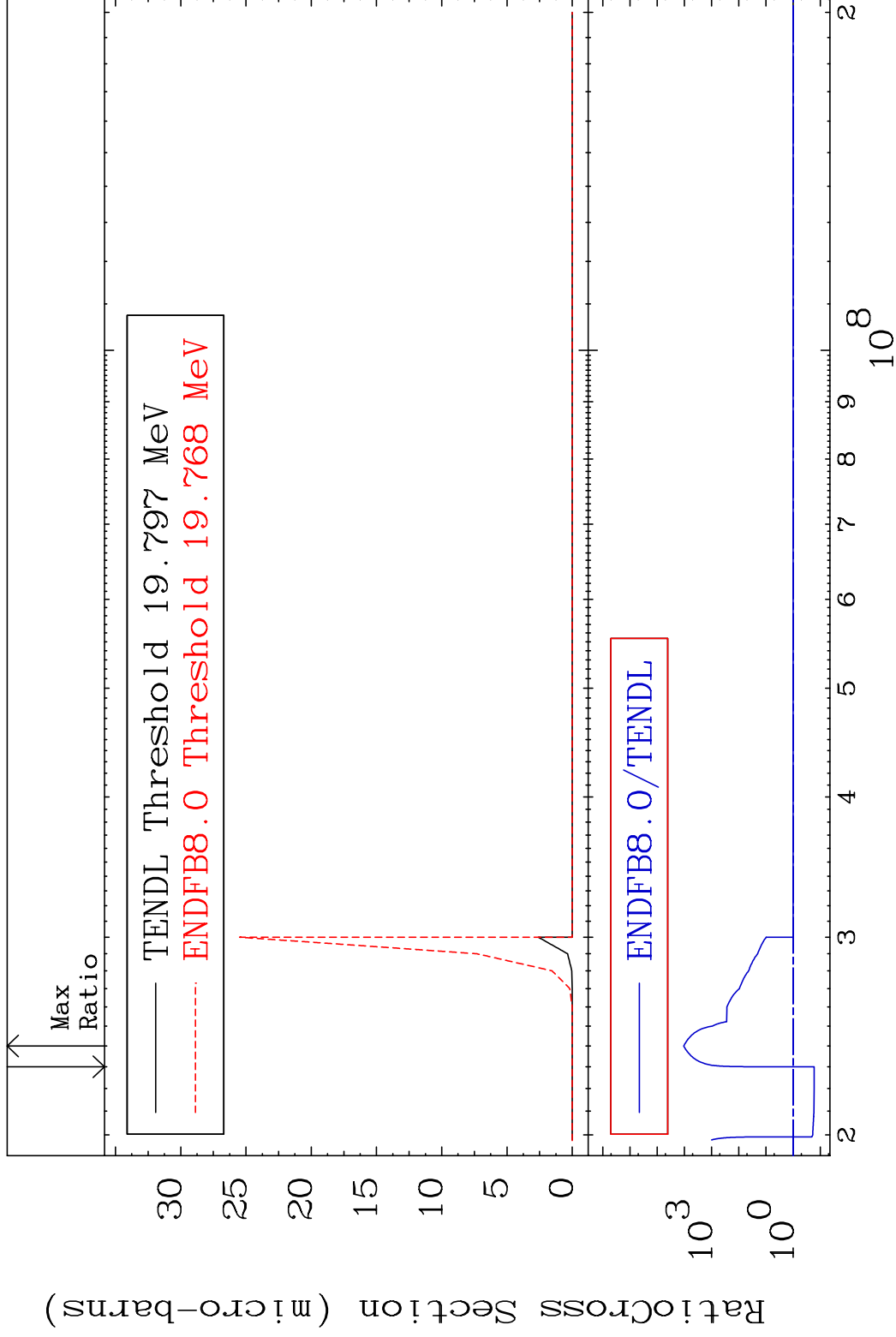
48-Cd-109

MAT 4834

(n,3n) α

48-Cd-109

Cross Section -83.15 To 9999. %



9

Incident Energy (eV)

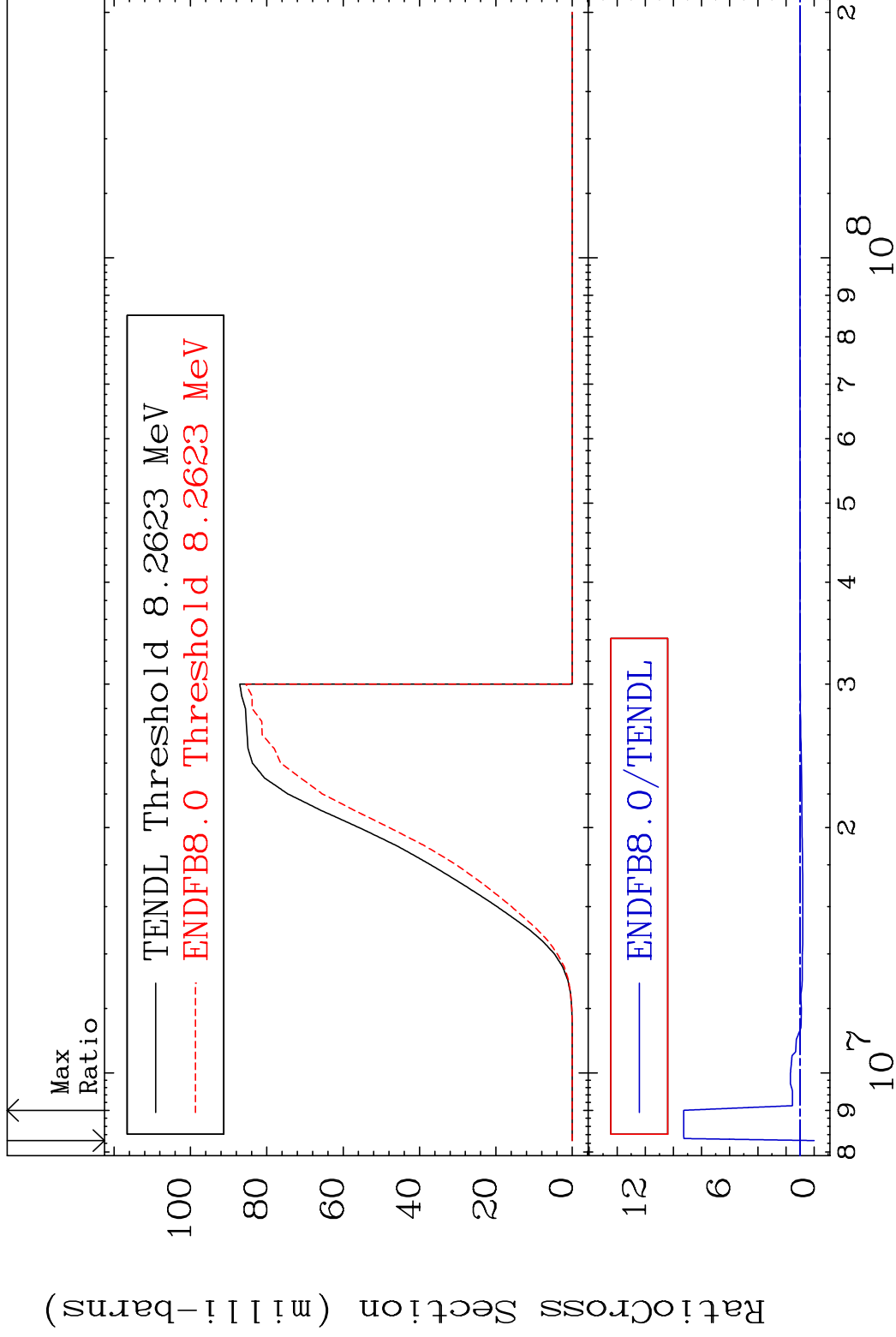
48-Cd-109

MAT 4834

(n, n') p

48-Cd-109

Cross Section -100.0 To 827.4 %

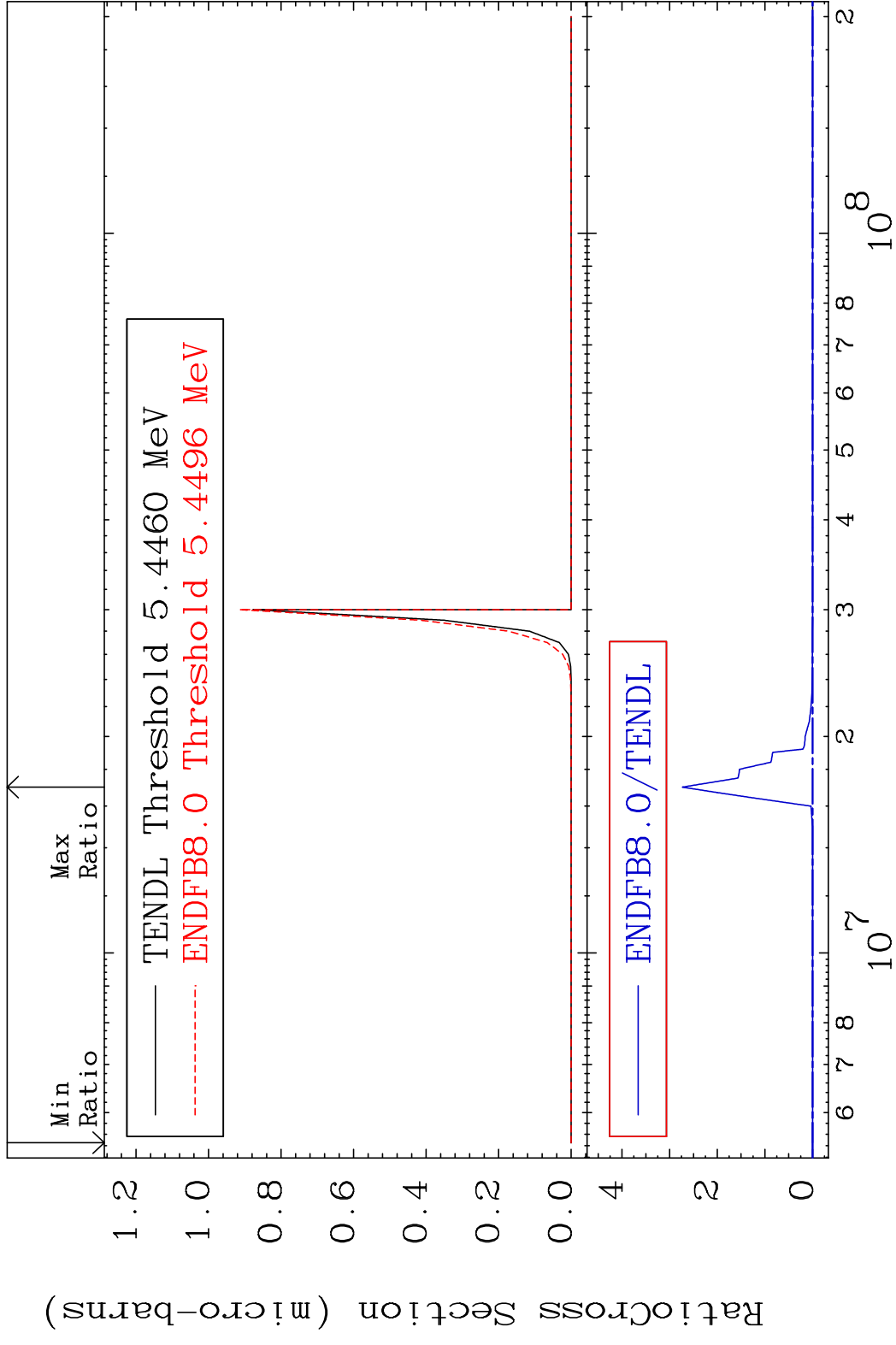


10

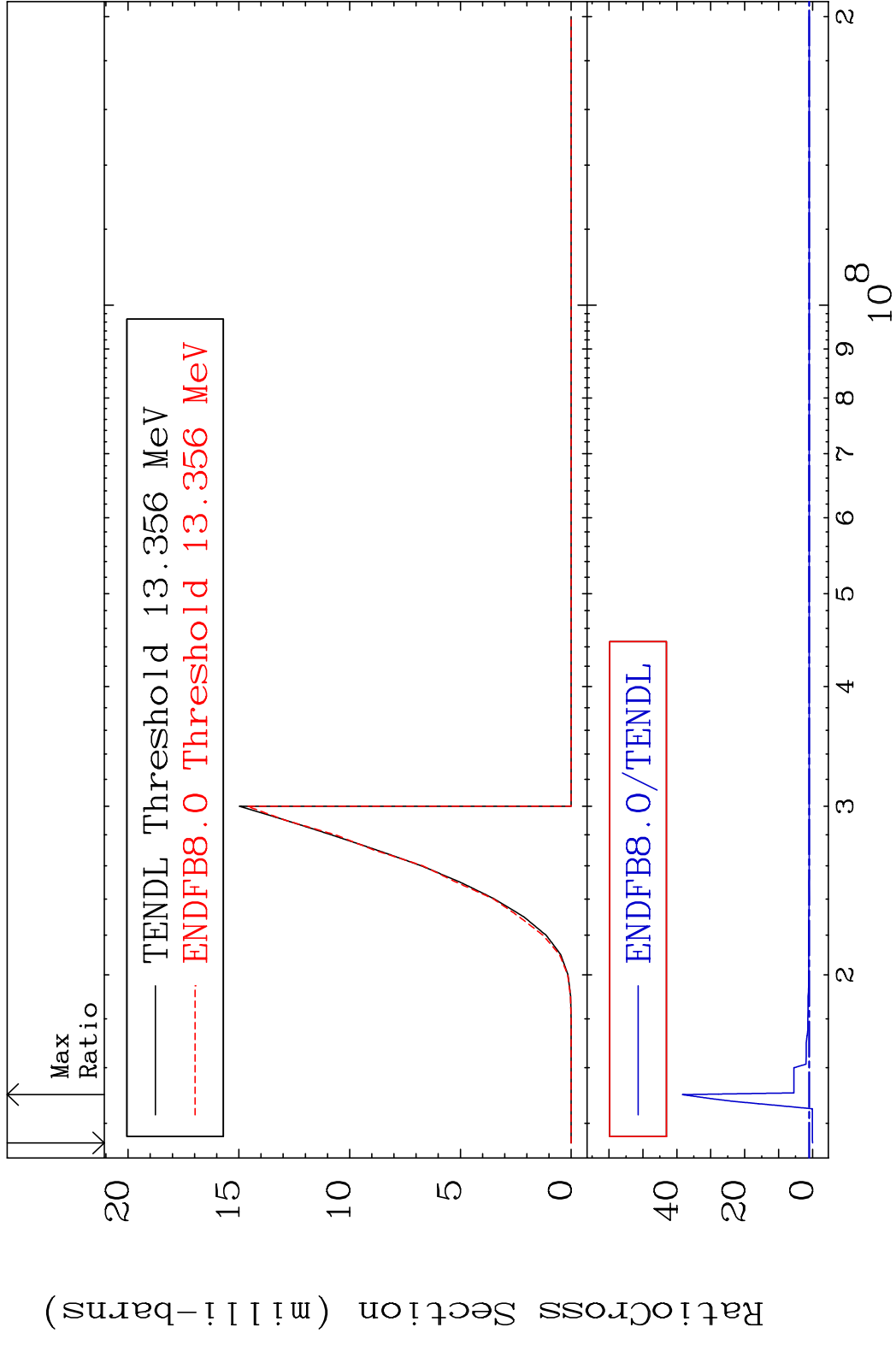
Incident Energy (eV)

48-Cd-109

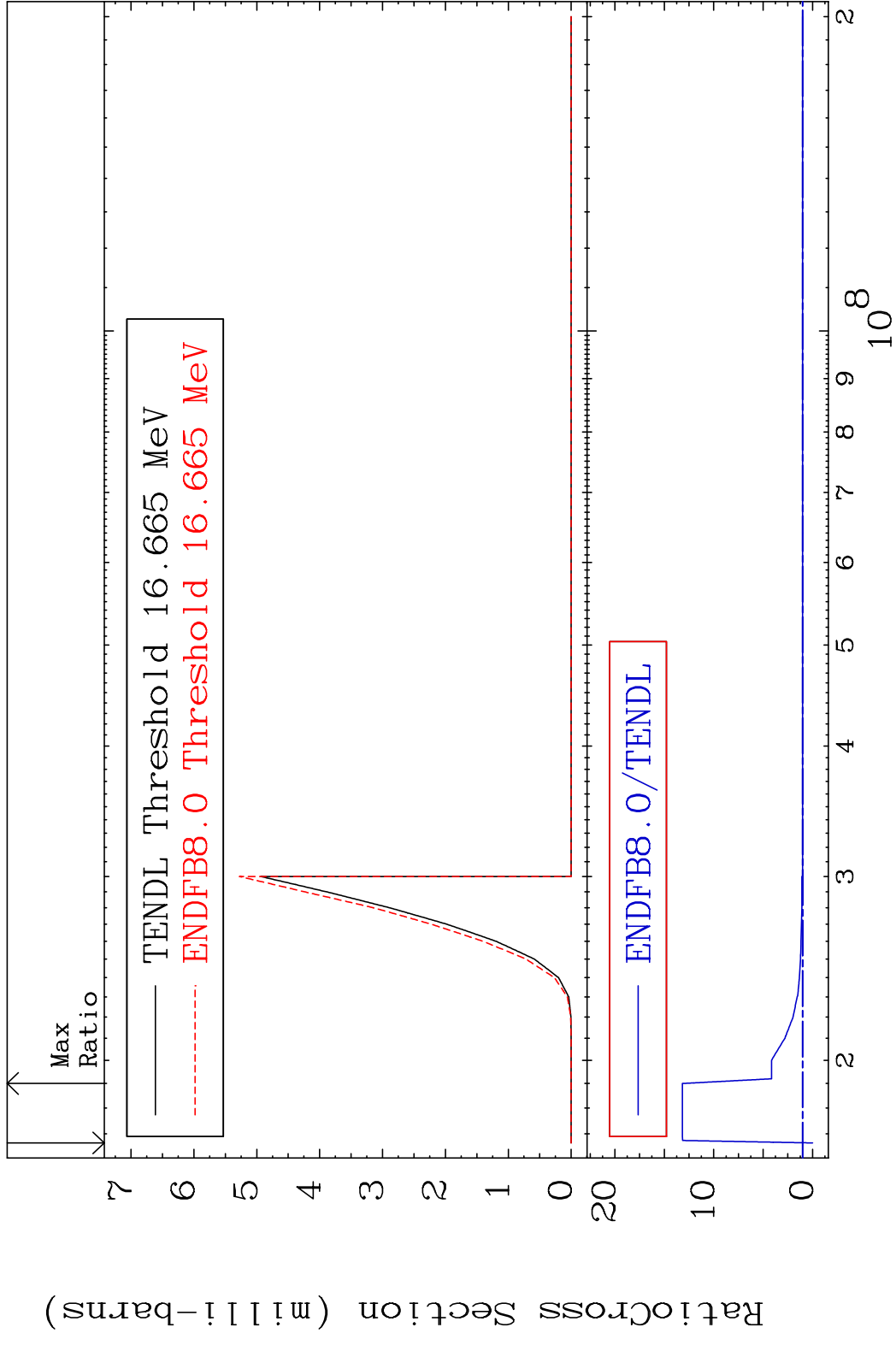
MAT 4834 (n, n') 2α 48-Cd-109
 Cross Section -100.0 To 9999. %



MAT 4834 (n, n') d 48-Cd-109
 Cross Section -100.0 To 3738. %



MAT 4834 (n, n') t 48-Cd-109
 Cross Section -100.0 To 1217. %

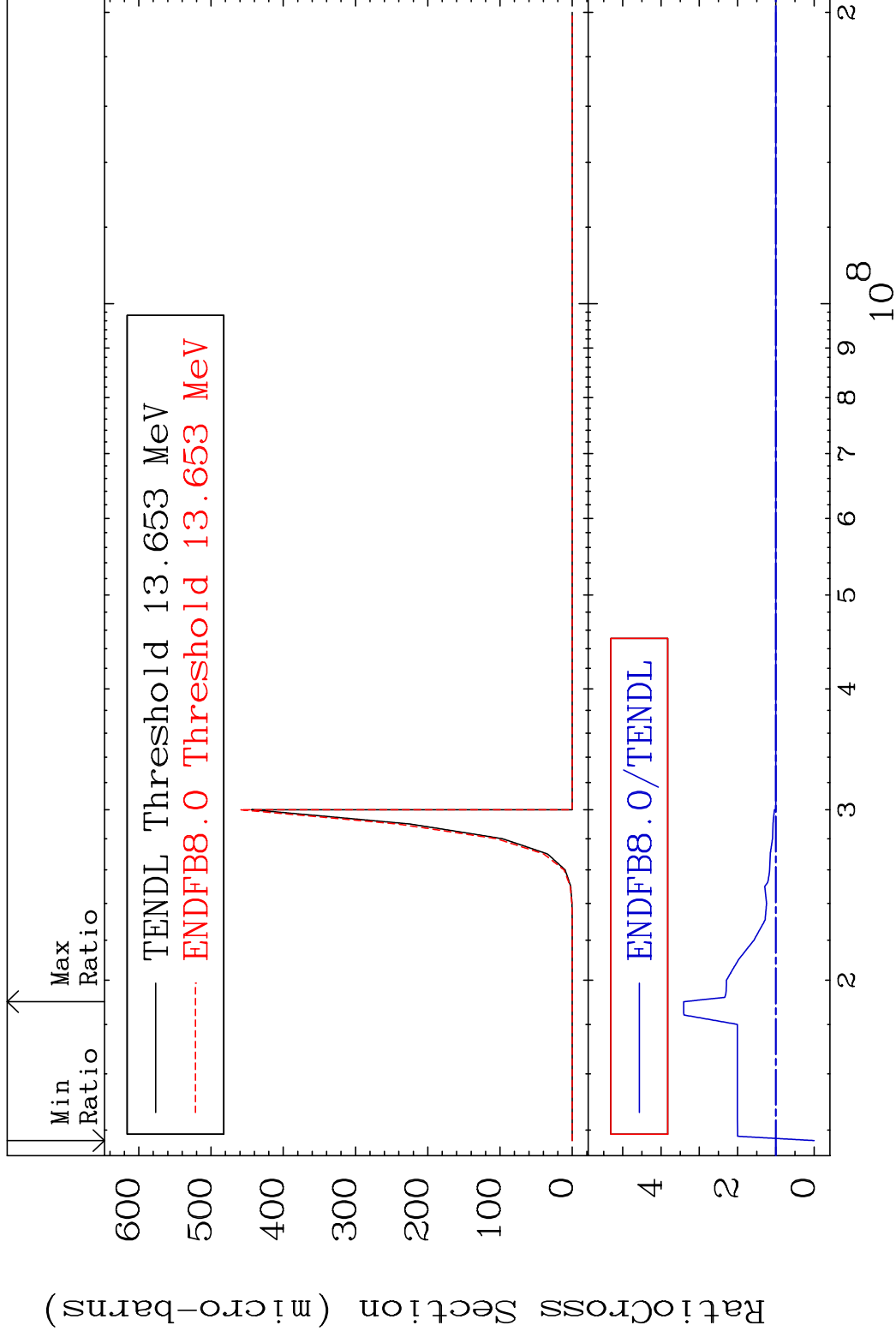


MAT 4834

(n,n') He-3

48-Cd-109

Cross Section -100.0 To 240.9 %

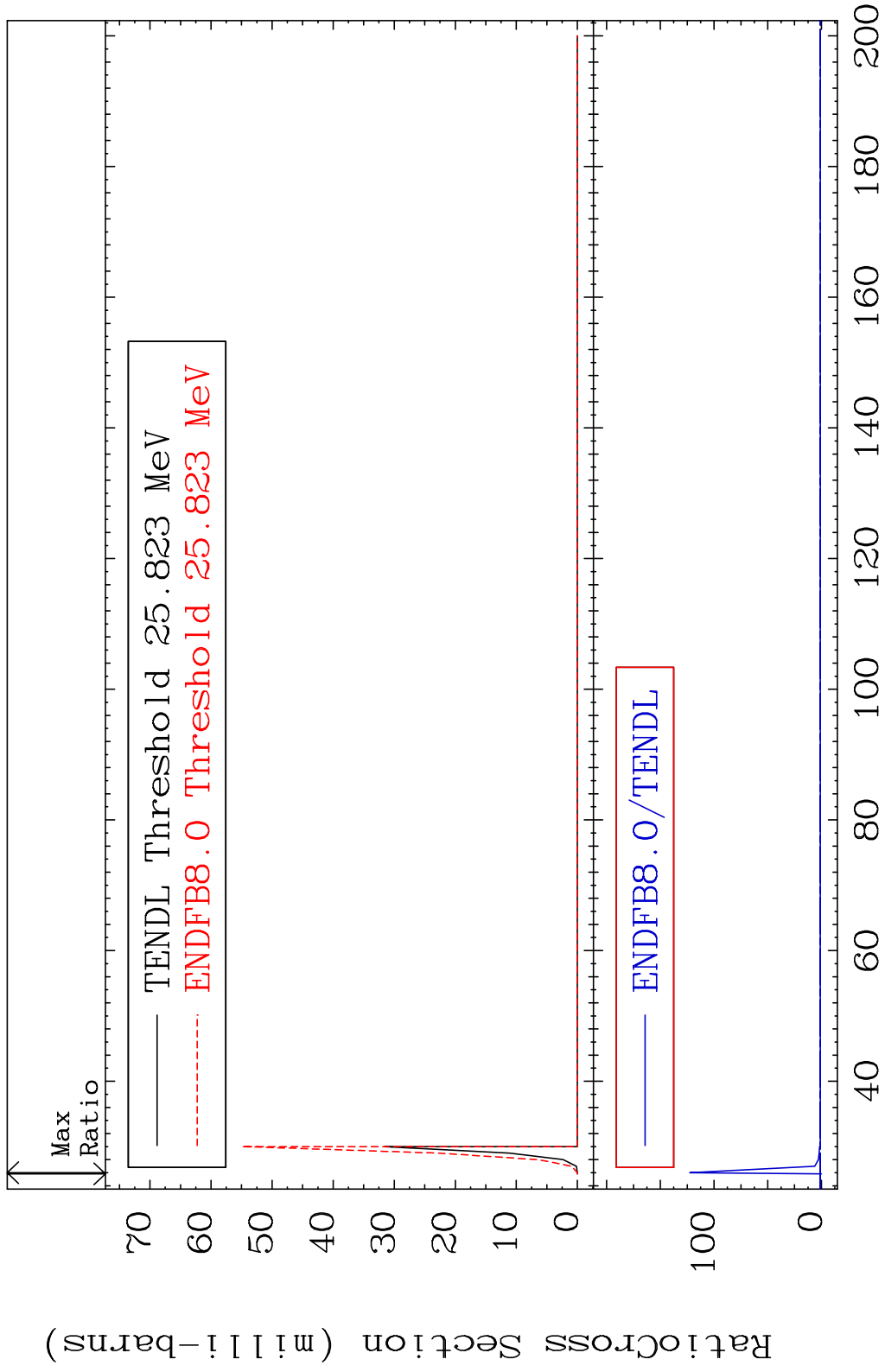


14

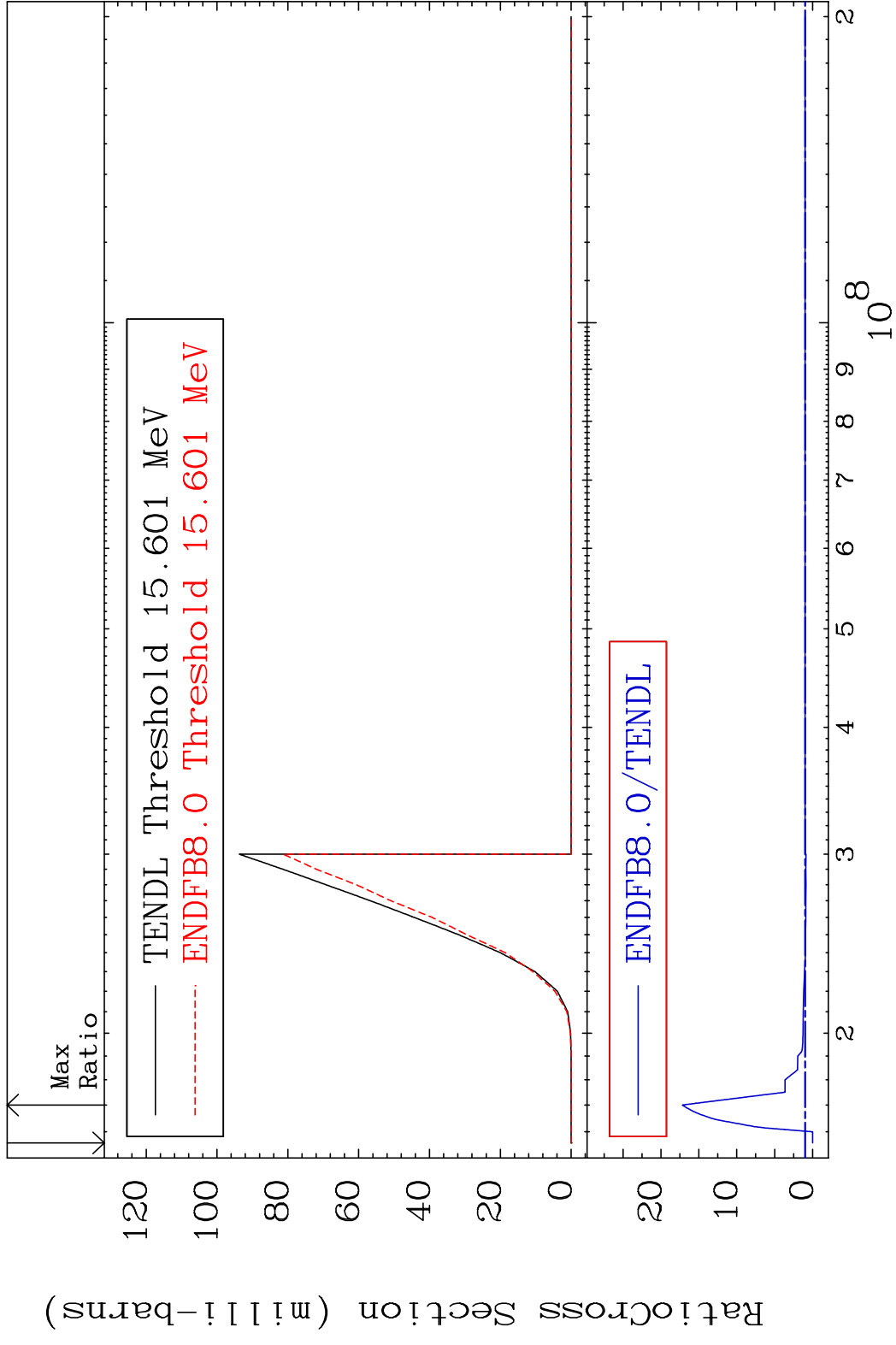
Incident Energy (eV)

48-Cd-109

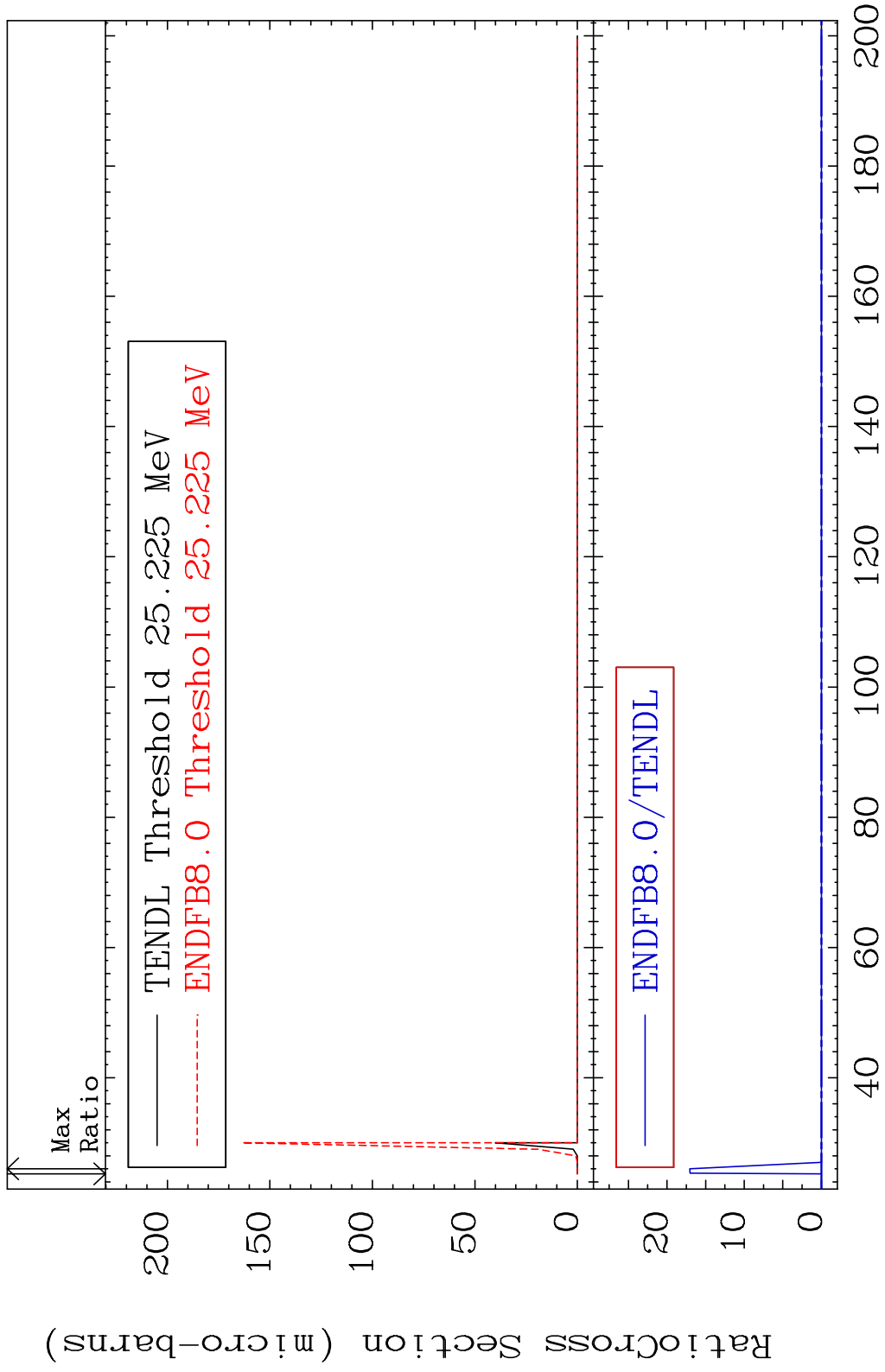
MAT 4834 (n,4n) 48-Cd-109
 Cross Section -100.0 To 9999. %



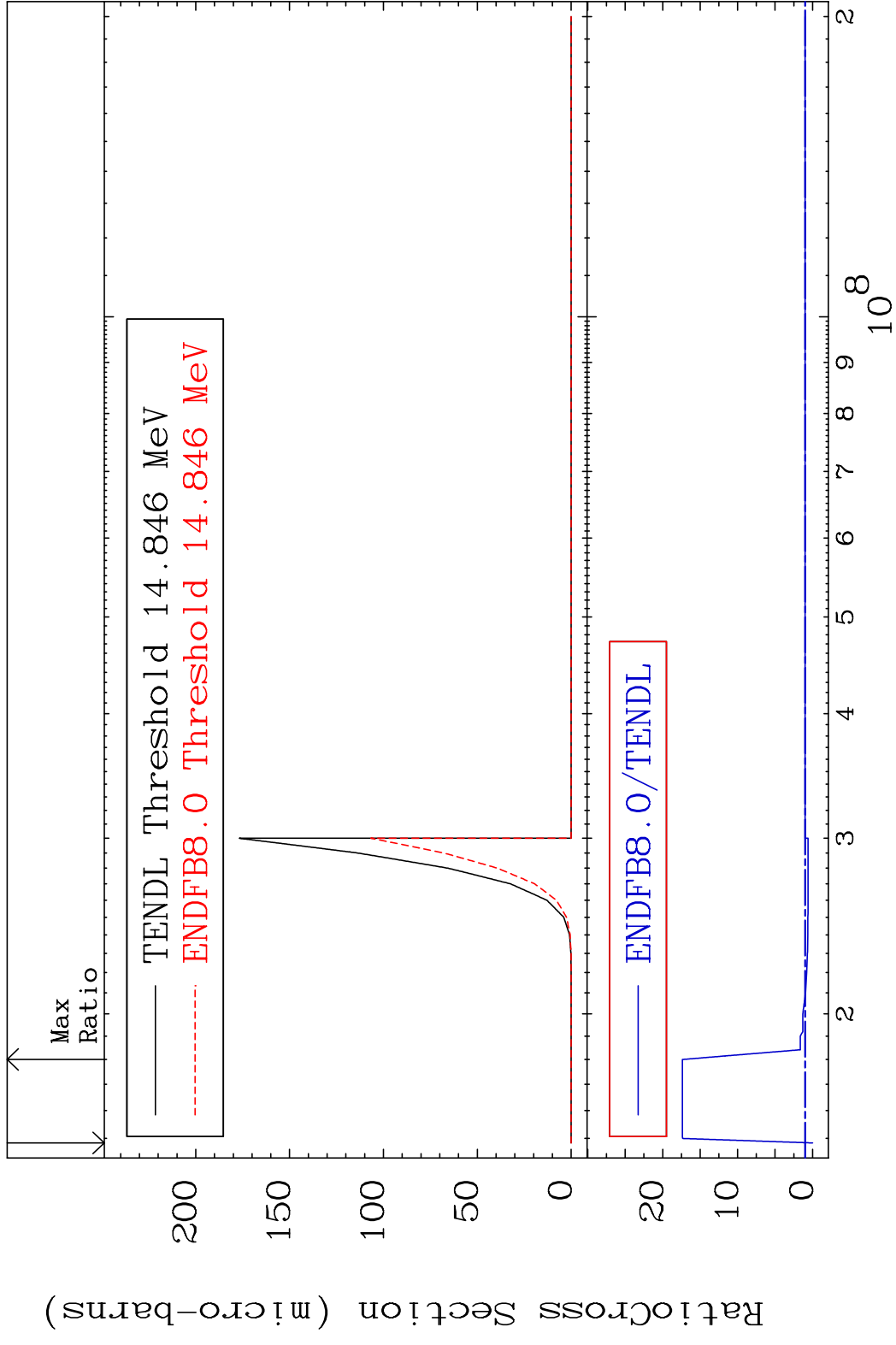
MAT 4834 (n,2n) p 48-Cd-109
 Cross Section -100.0 To 1617. %



MAT 4834 (n,3n) p 48-Cd-109
 Cross Section -100.0 To 9999. %



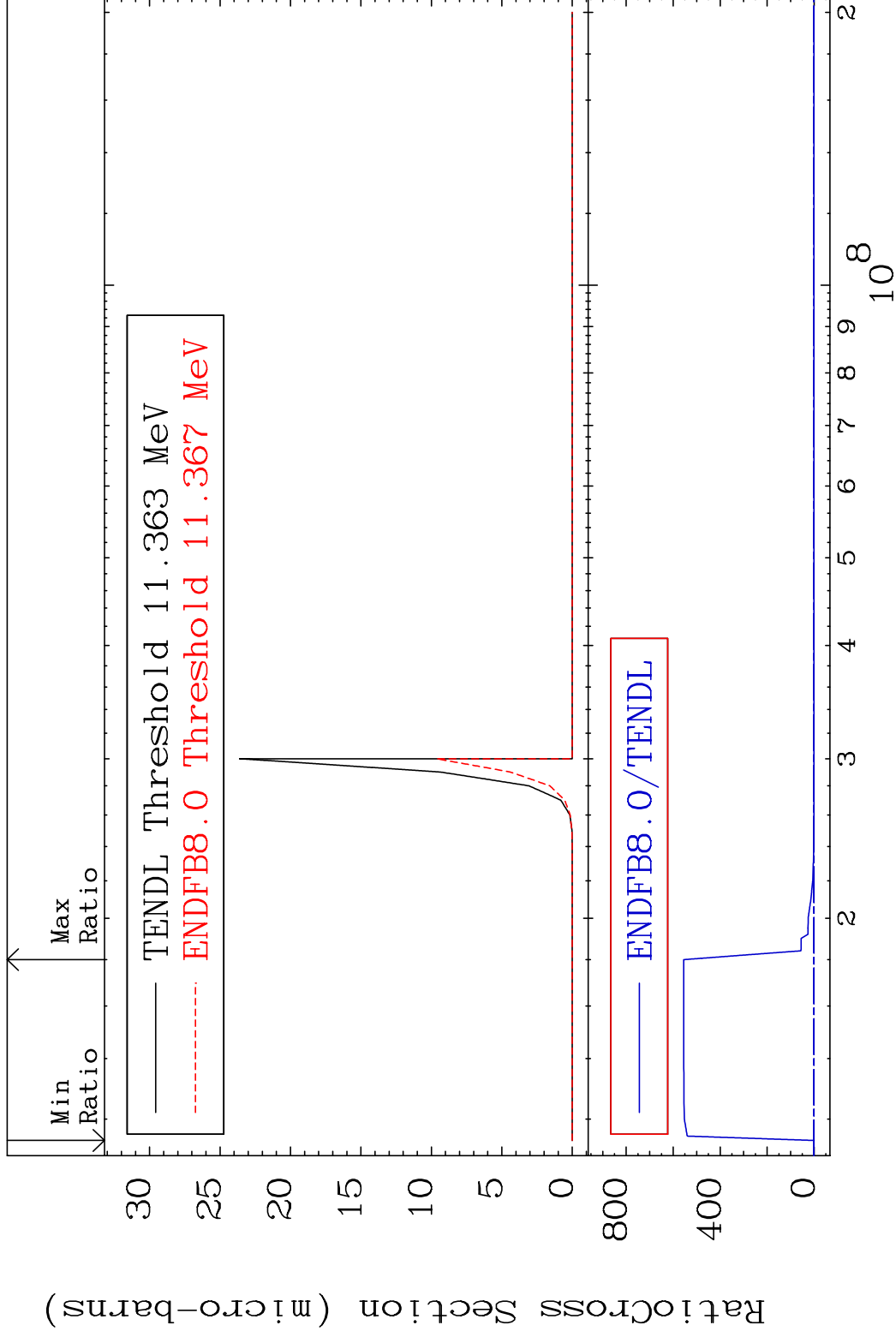
MAT 4834 (n,2n) p 48-Cd-109
 Cross Section -100.0 To 1637. %



MAT 4834

(n,n') p α 48-Cd-109

Cross Section -100.0 To 9999. %

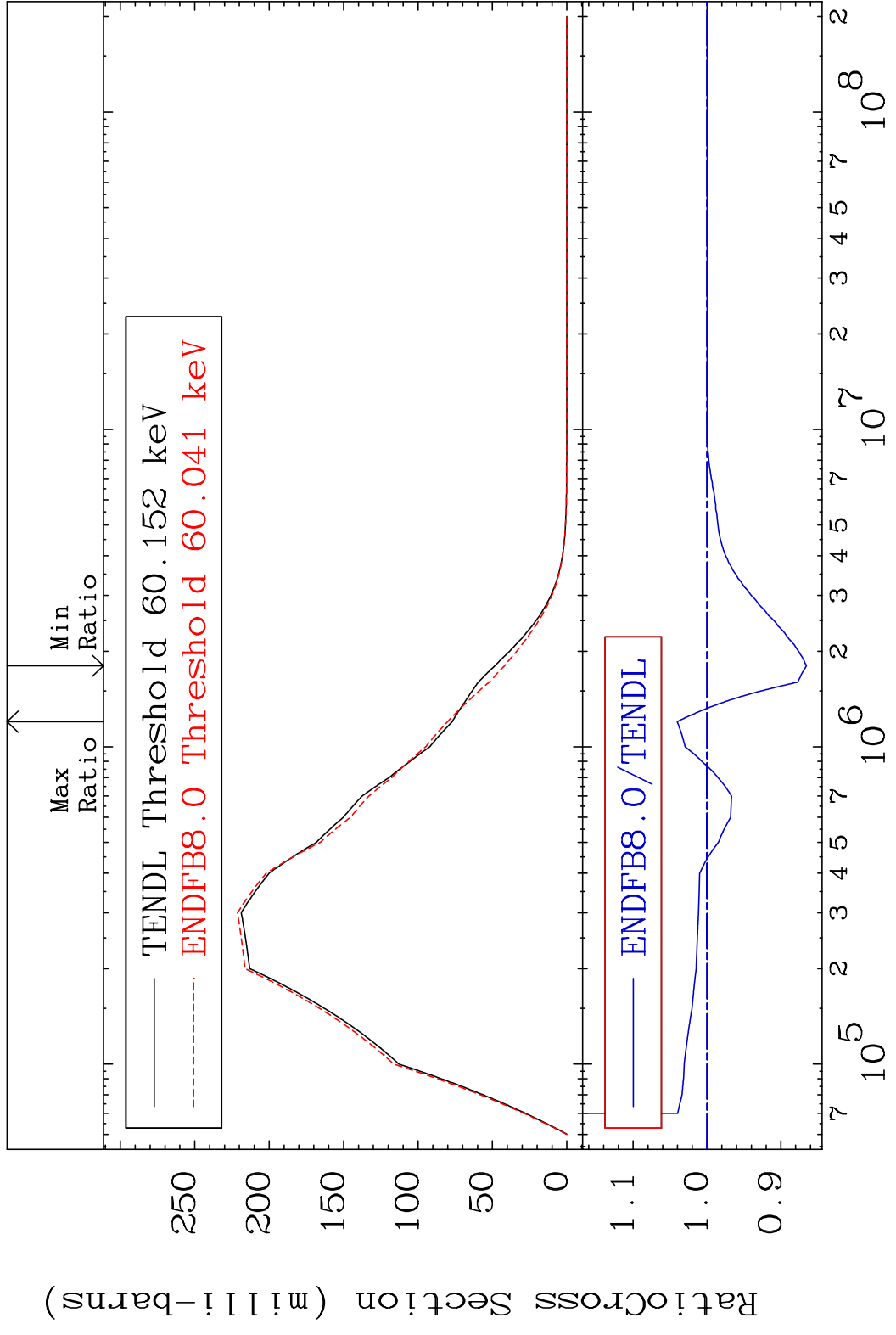


19

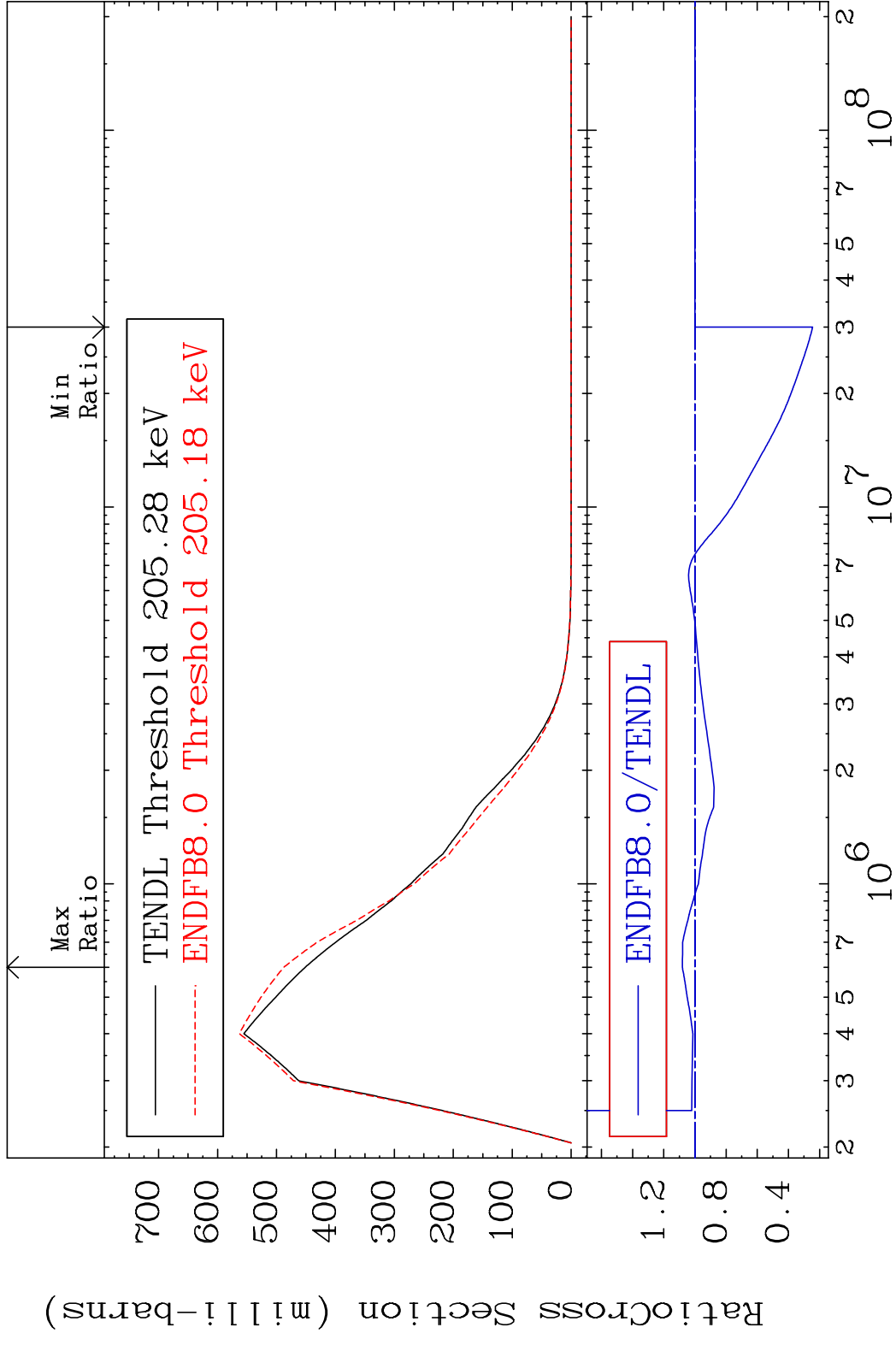
Incident Energy (eV)

48-Cd-109

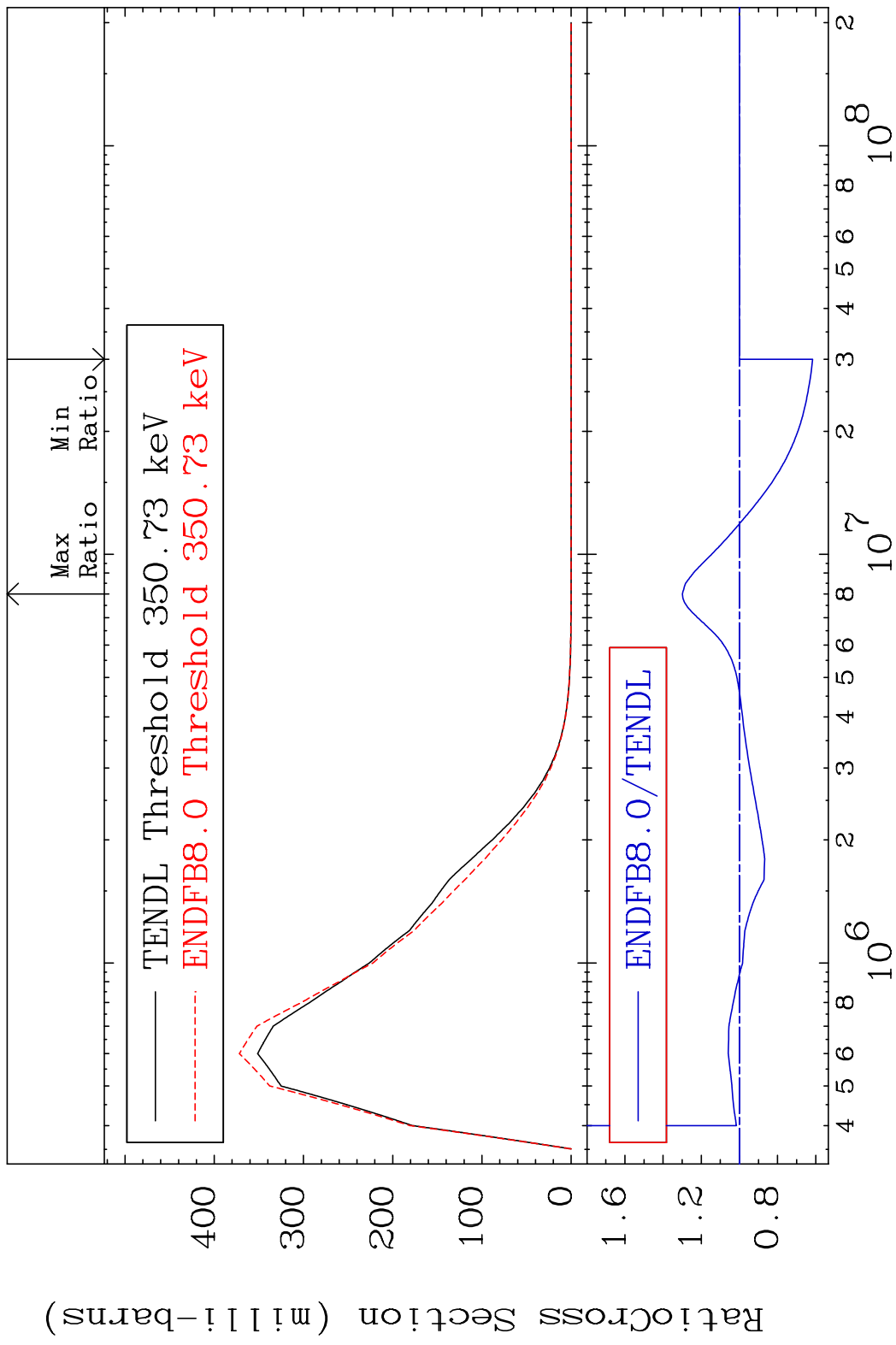
MAT 4834 MT= 51 (n,n') Level 48-Cd-109
 Cross Section -13.45 To 4.039 %



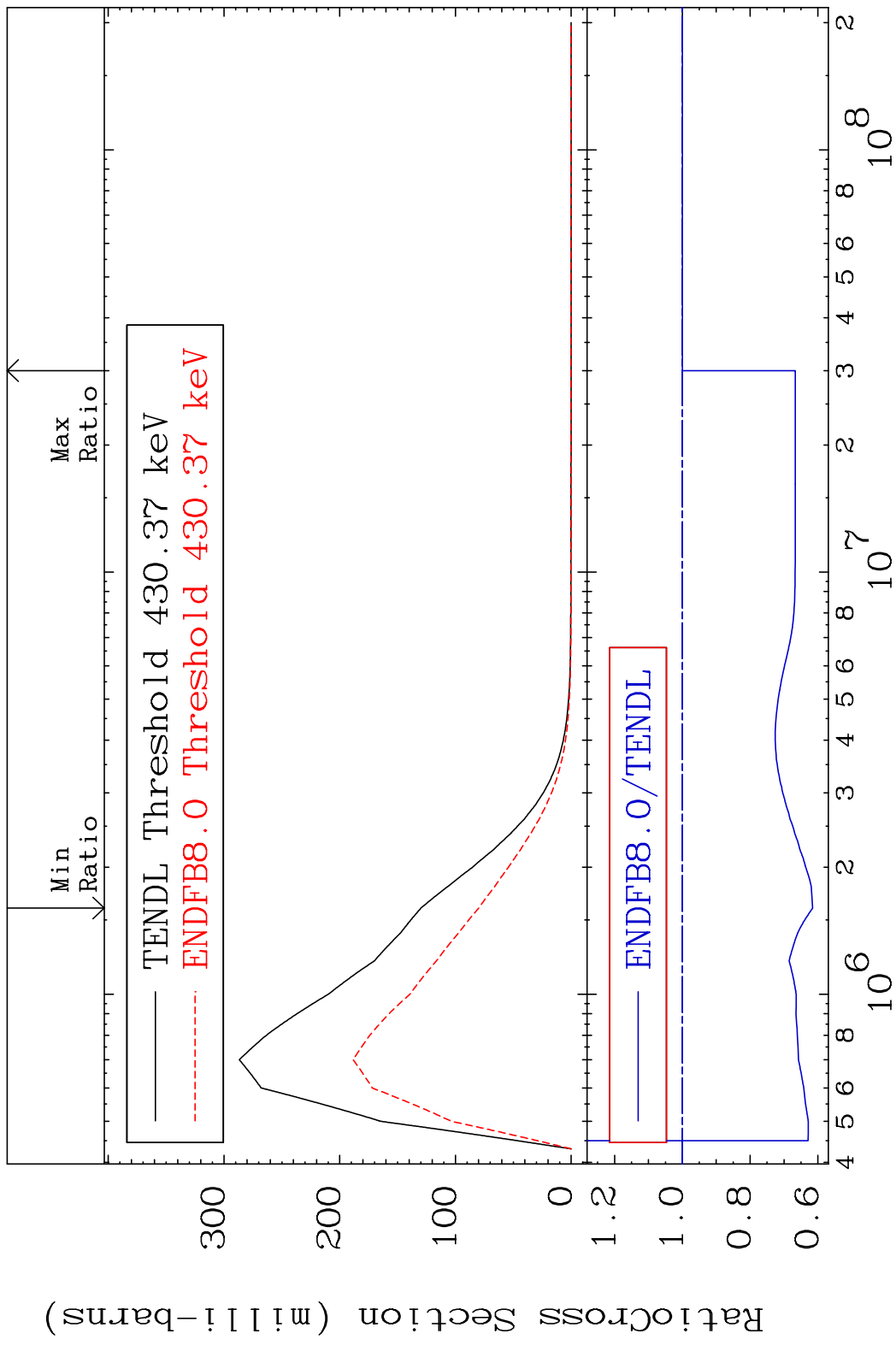
MAT 4834 MT= 52 (n,n') Level 48-Cd-109
 Cross Section -75.50 To 8.074 %



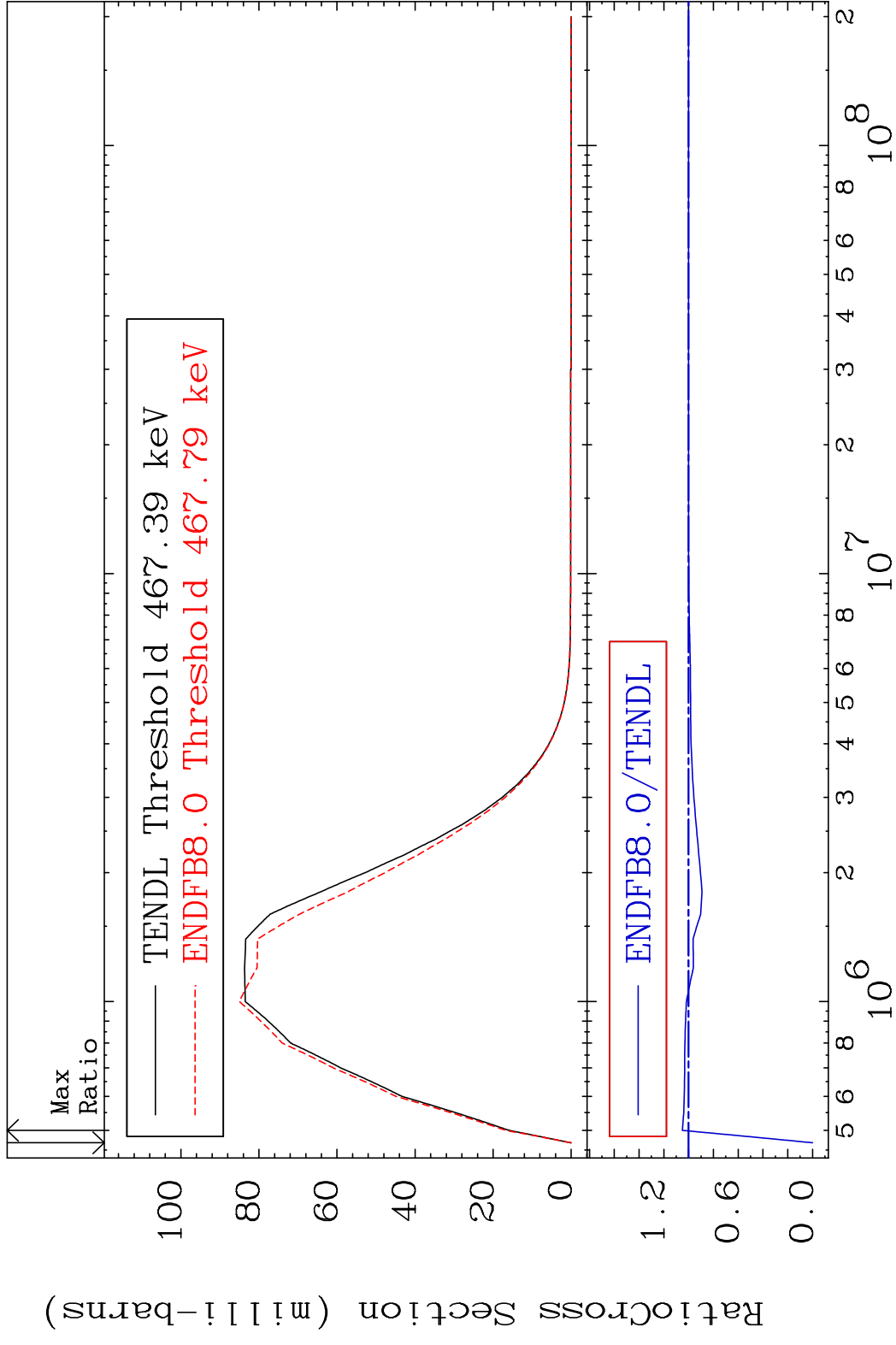
MAT 4834 MT= 53 (n, n') Level 48-Cd-109
 Cross Section -38.36 To 29.88 %



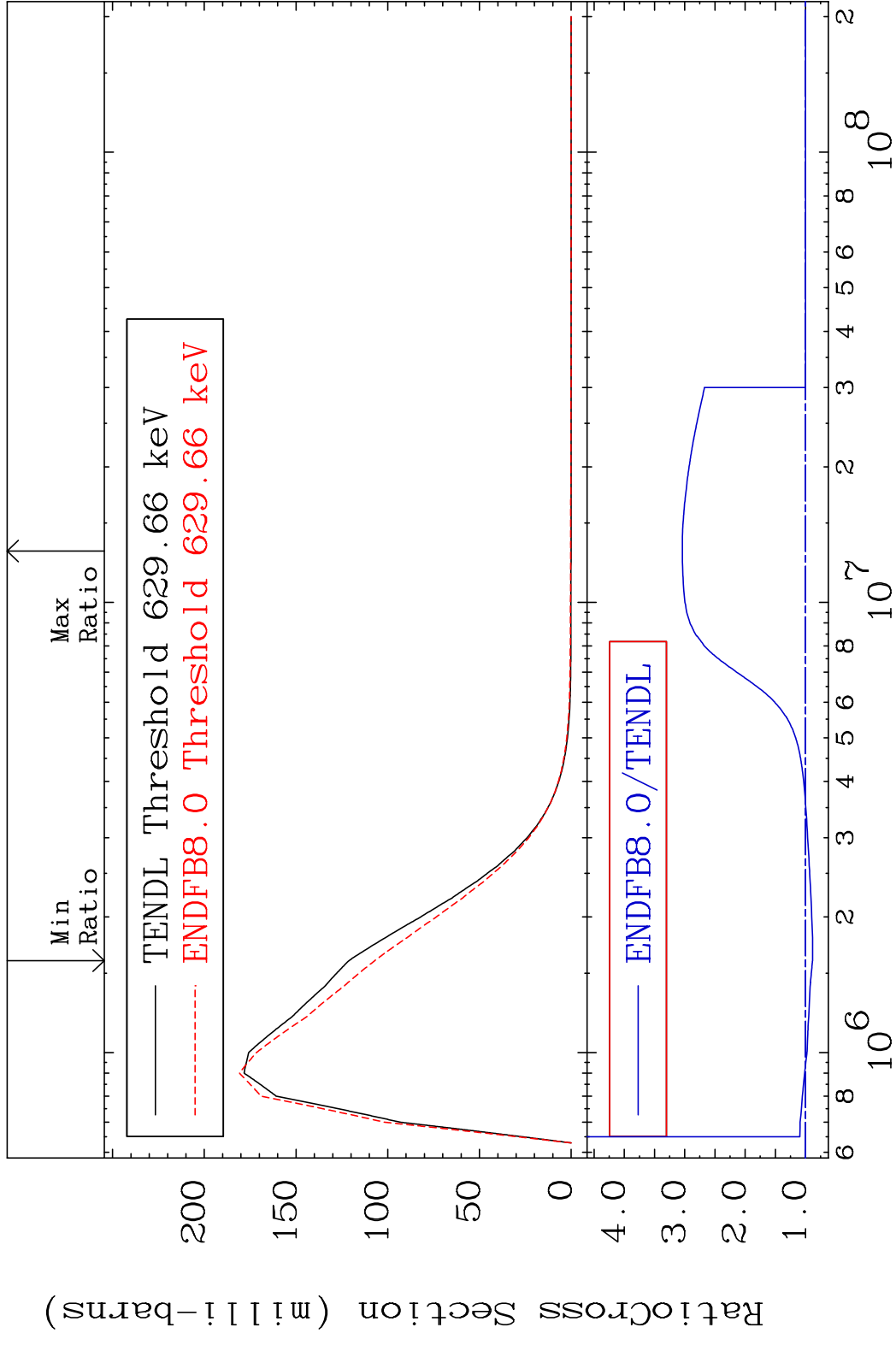
MAT 4834 MT= 54 (n,n') Level 48-Cd-109
 Cross Section -38.43 To 0.000 %



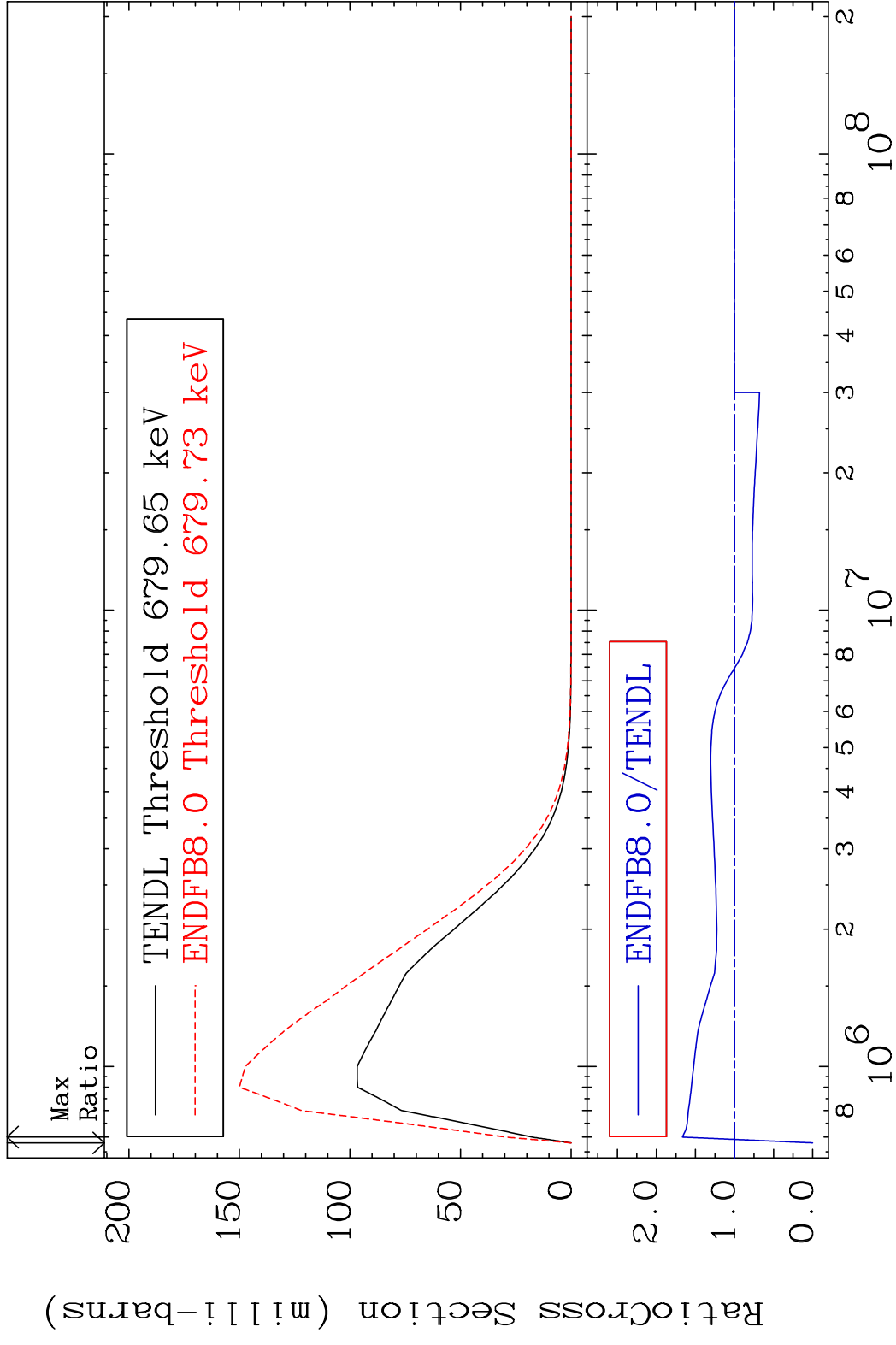
MAT 4834 MT= 55 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 5.063 %



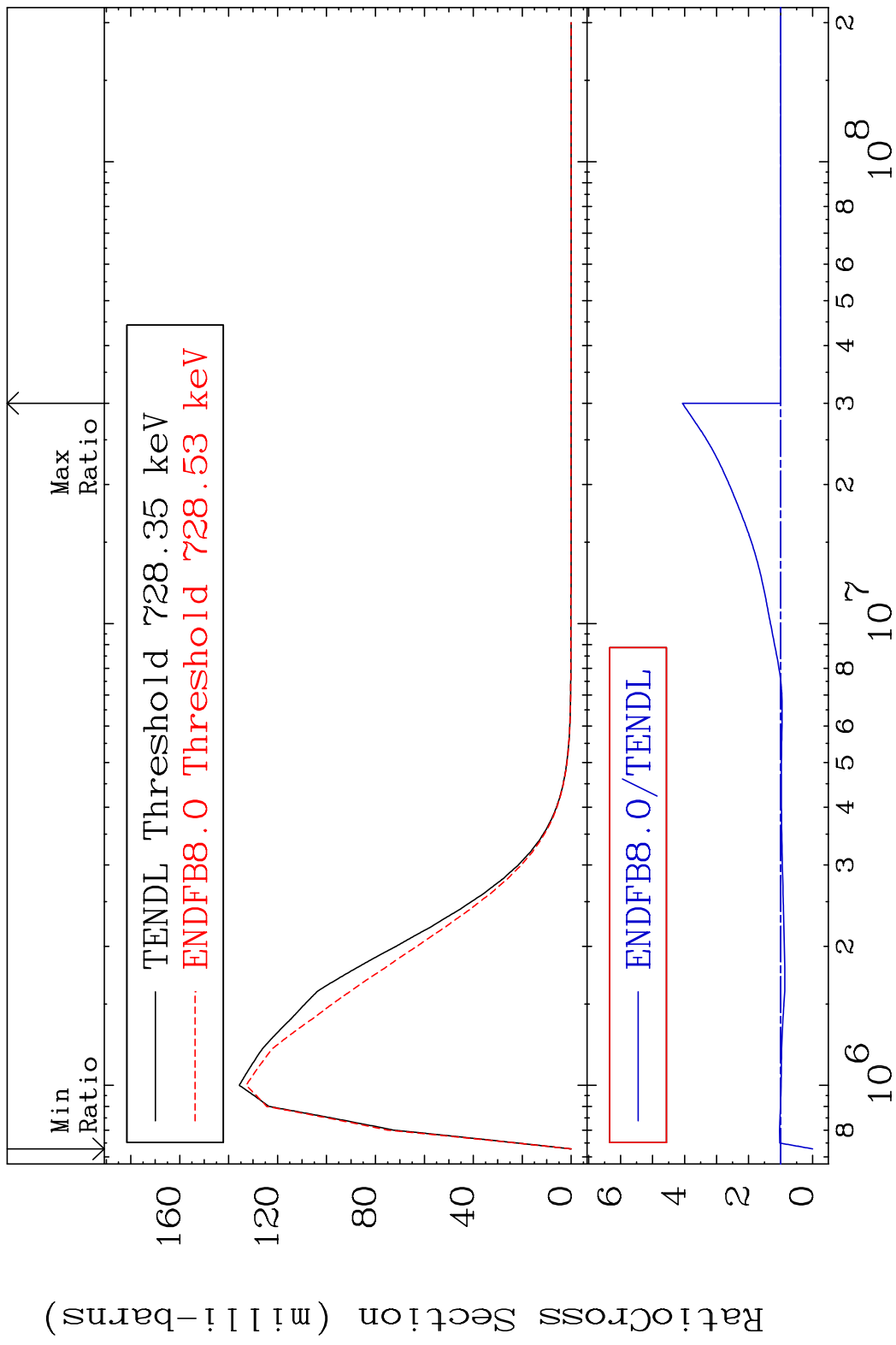
MAT 4834 MT= 56 (n,n') Level 48-Cd-109
 Cross Section -11.64 To 203.9 %



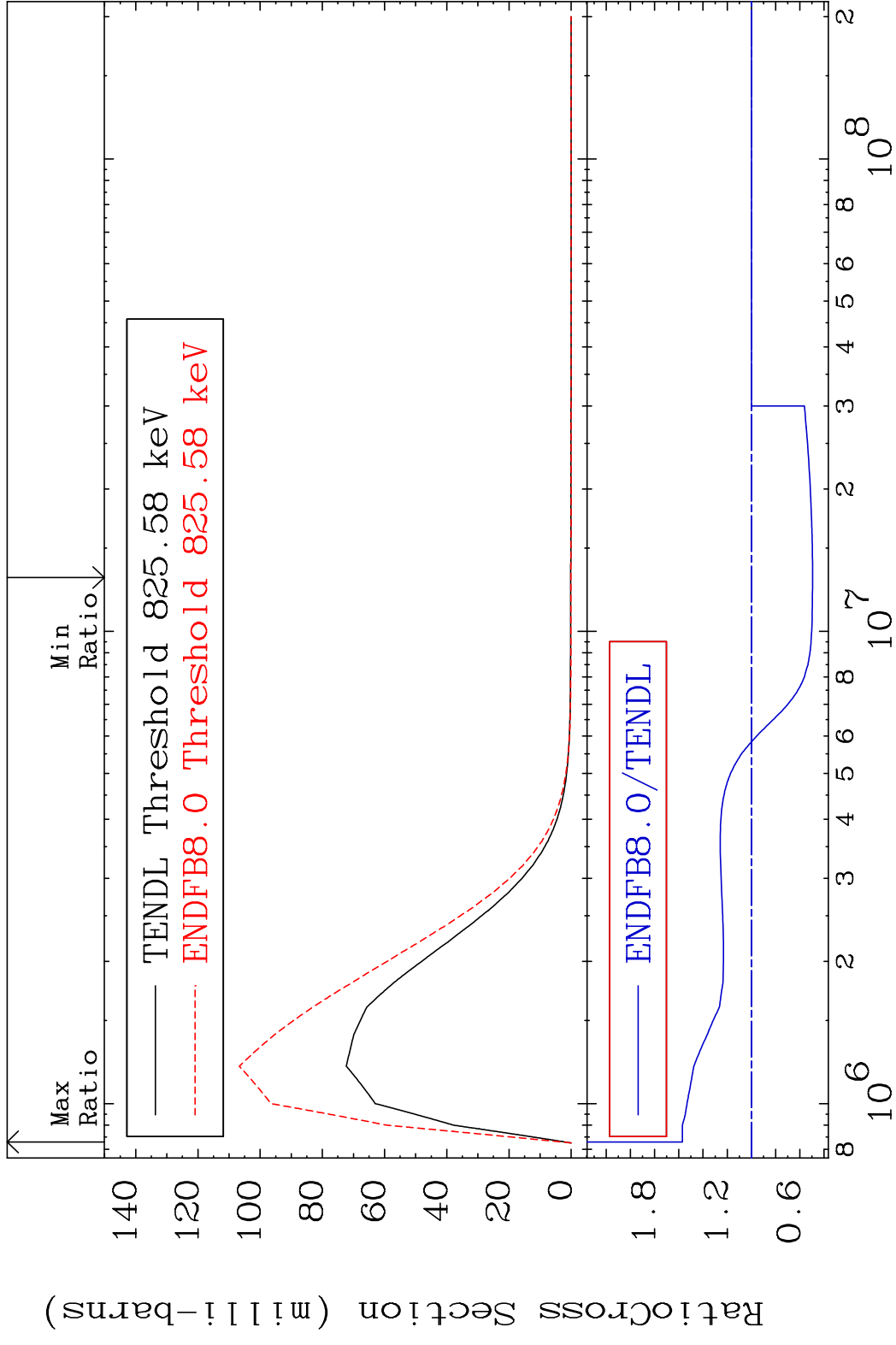
MAT 4834 MT= 57 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 66.72 %



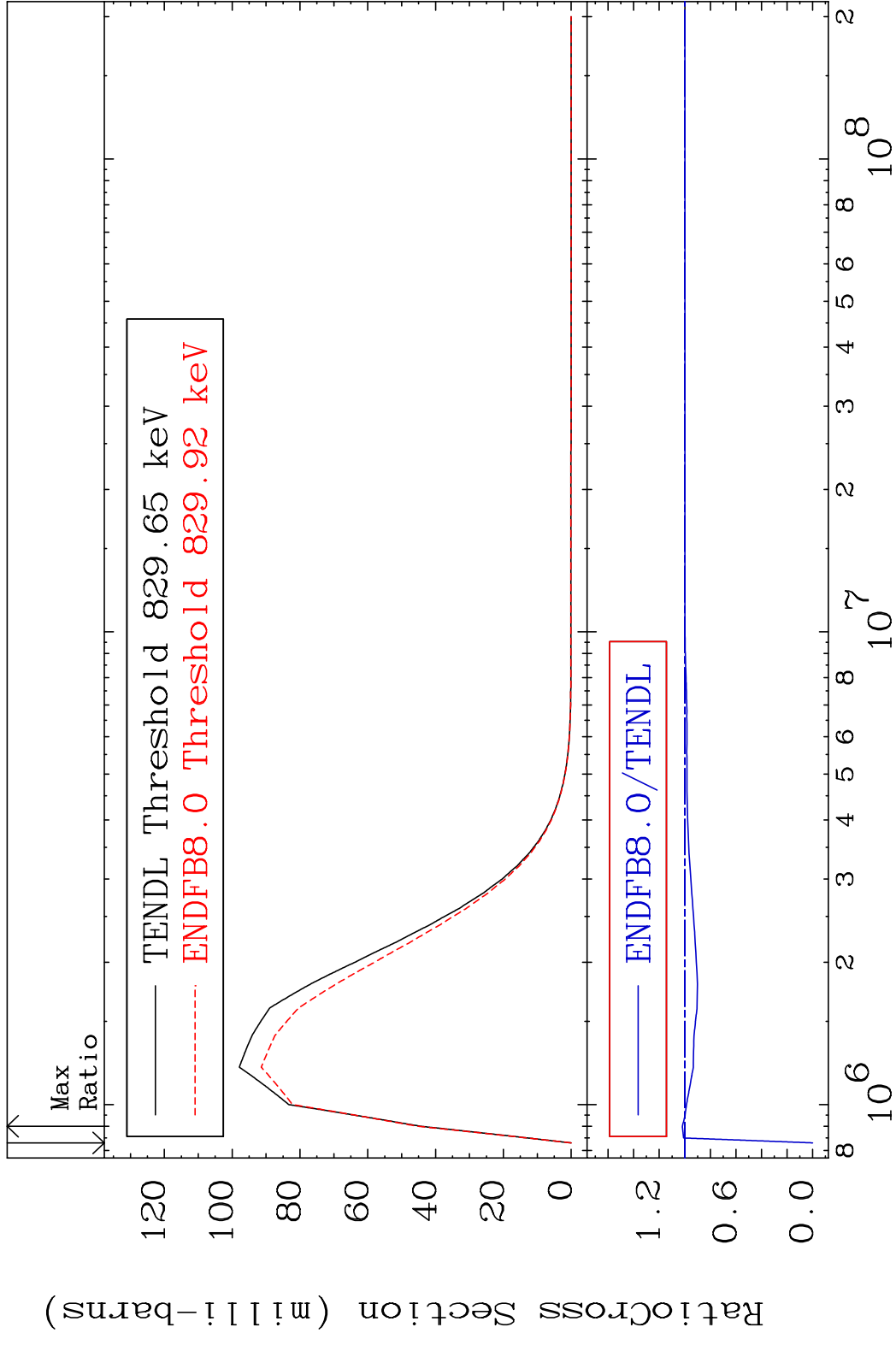
MAT 4834 MT= 58 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 307.0 %



MAT 4834 MT= 59 (n, n') Level 48-Cd-109
 Cross Section -50.51 To 57.07 %

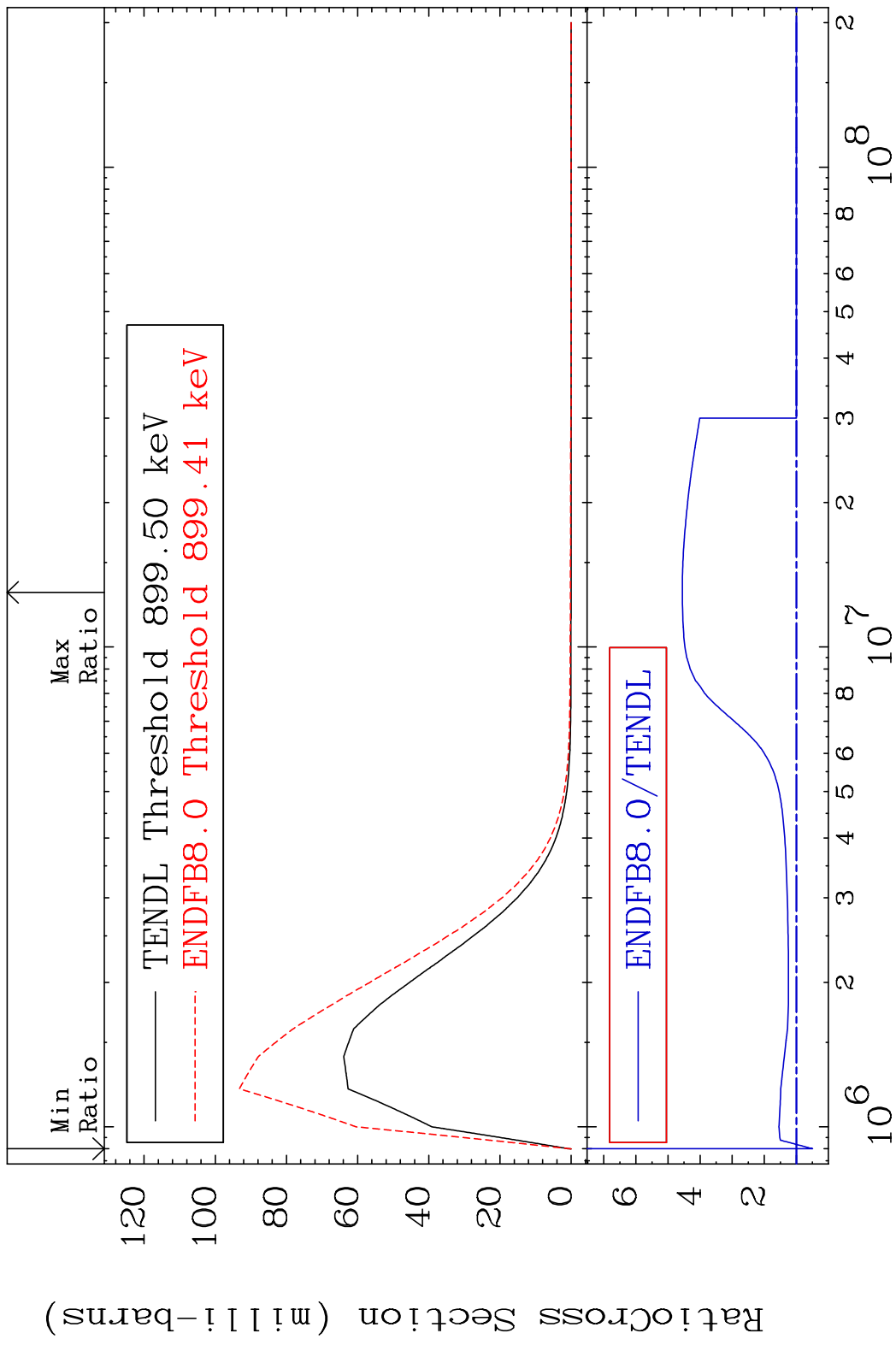


MAT 4834 MT= 60 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 1.908 %



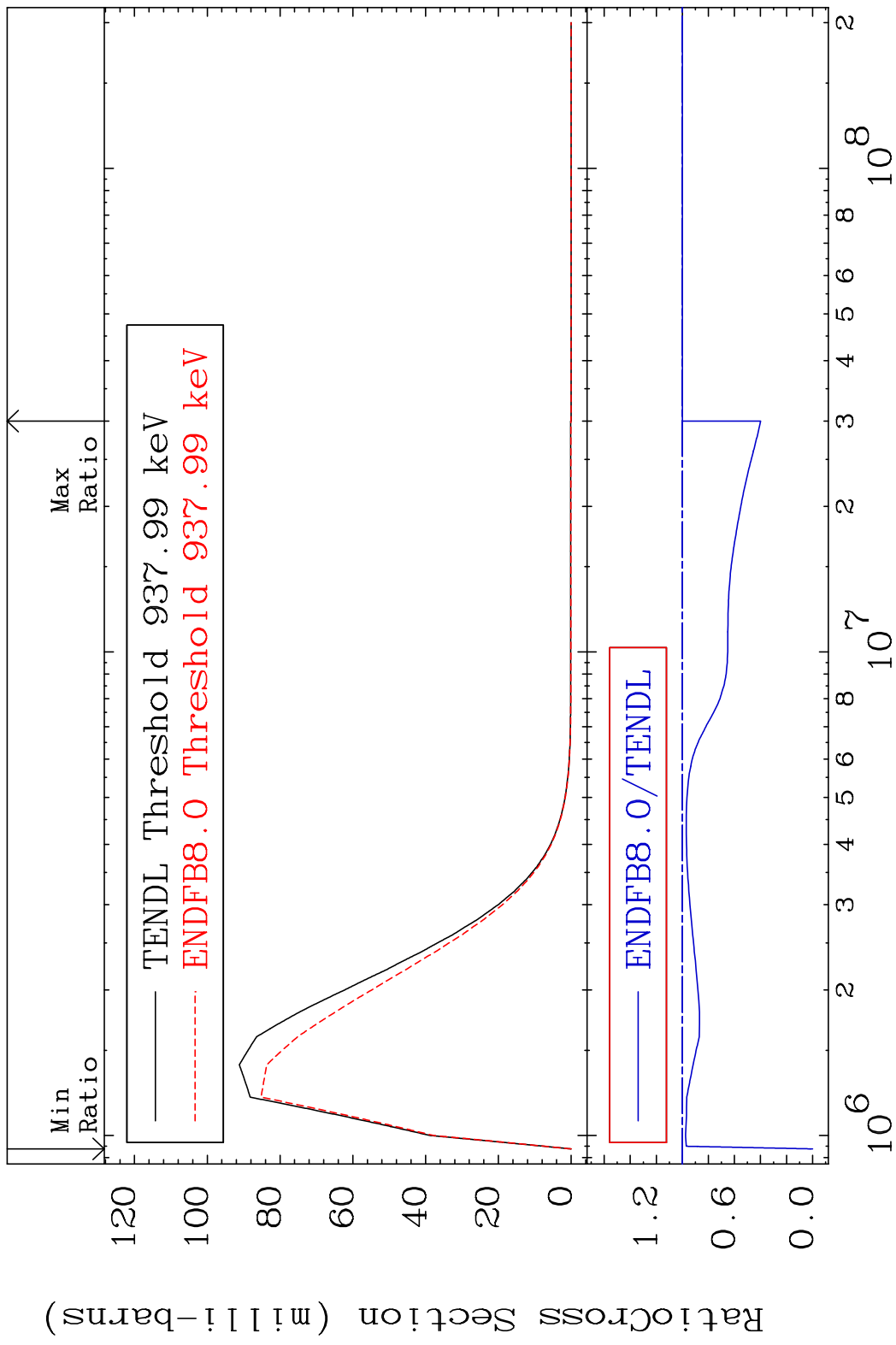
29 Incident Energy (eV) 48-Cd-109

MAT 4834 MT= 61 (n, n') Level 48-Cd-109
 Cross Section -50.30 To 355.3 %

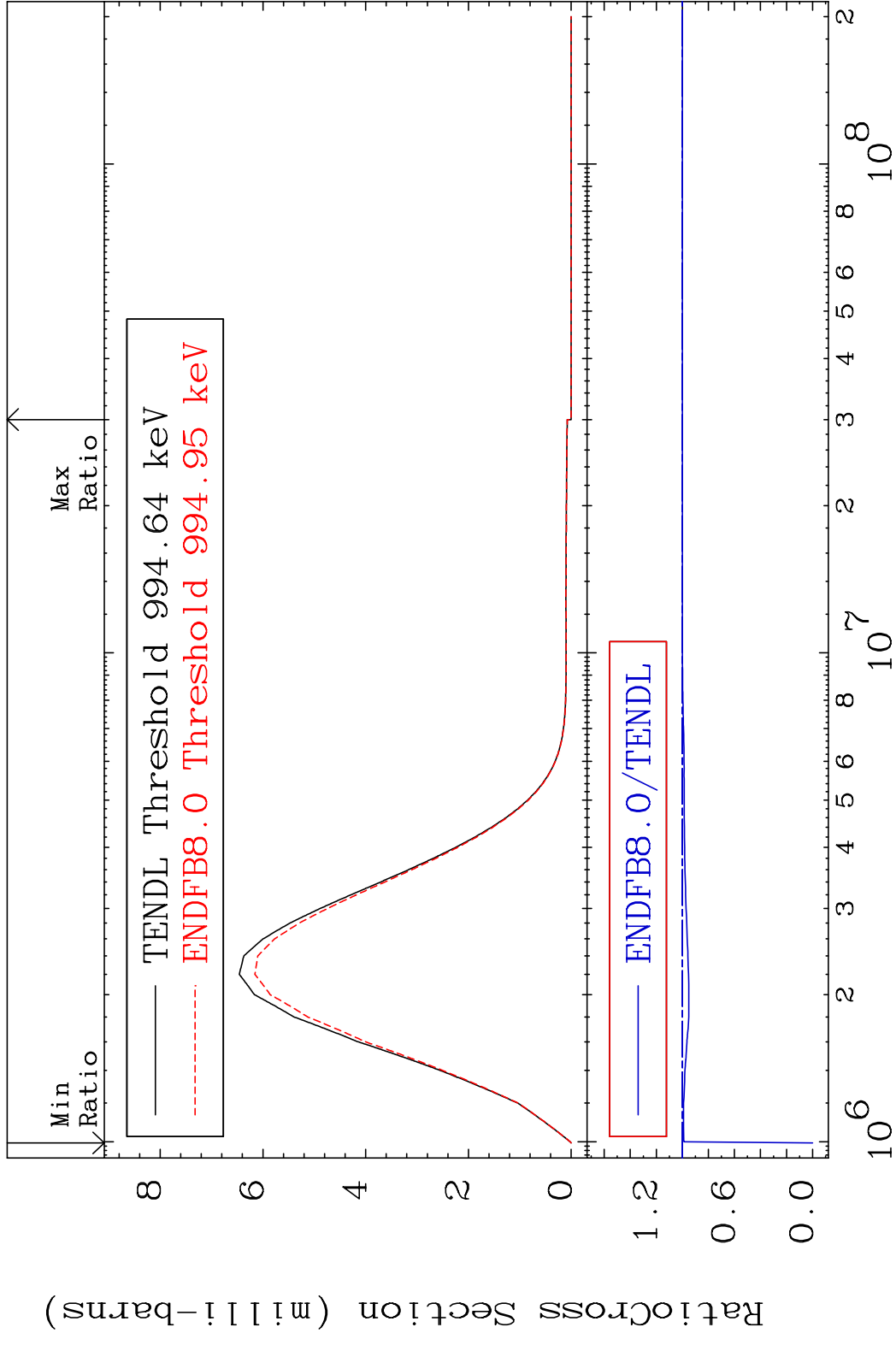


30 Incident Energy (eV) 48-Cd-109

MAT 4834 MT= 62 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 0.000 %

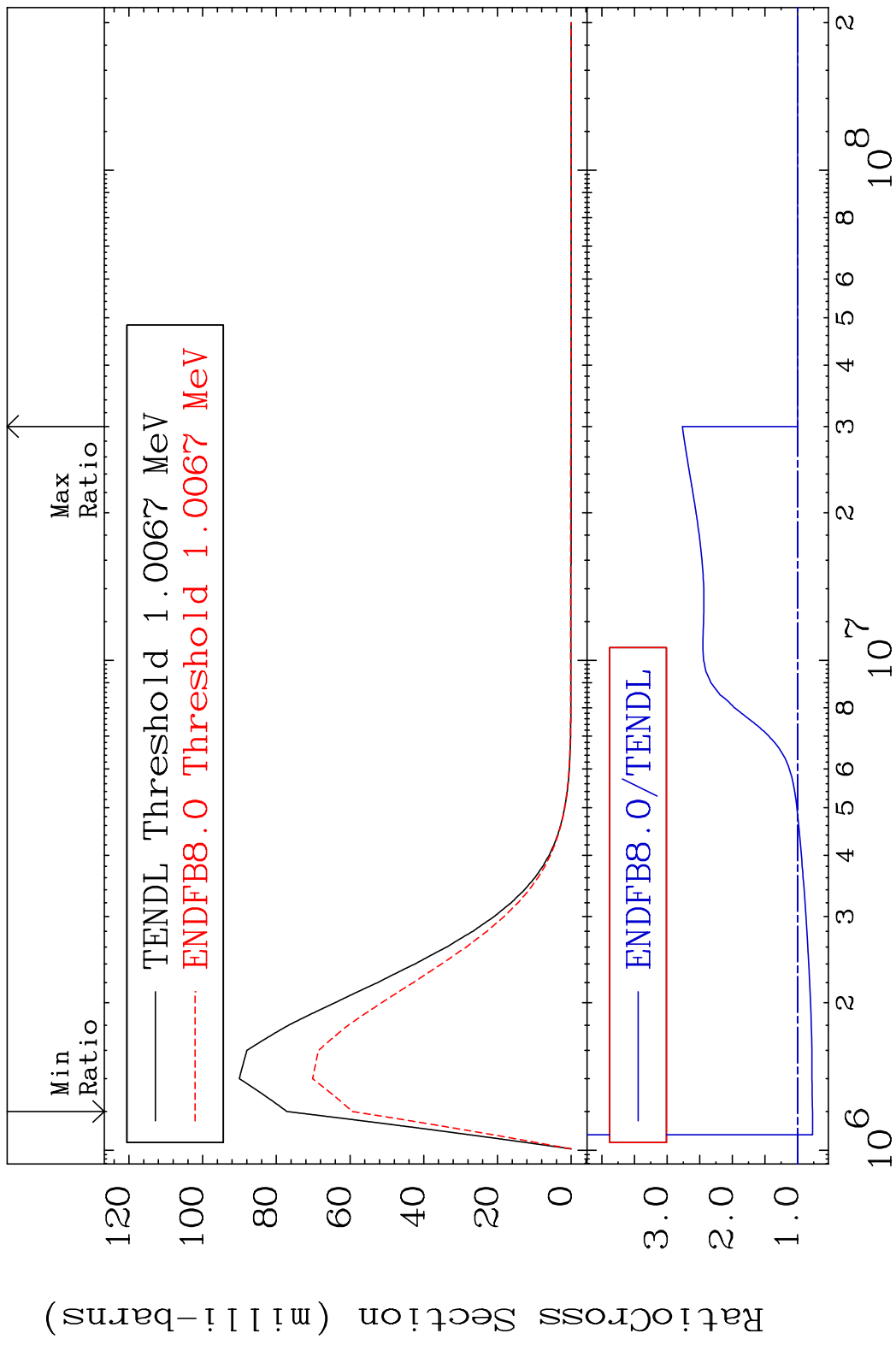


MAT 4834 MT= 63 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 0.000 %



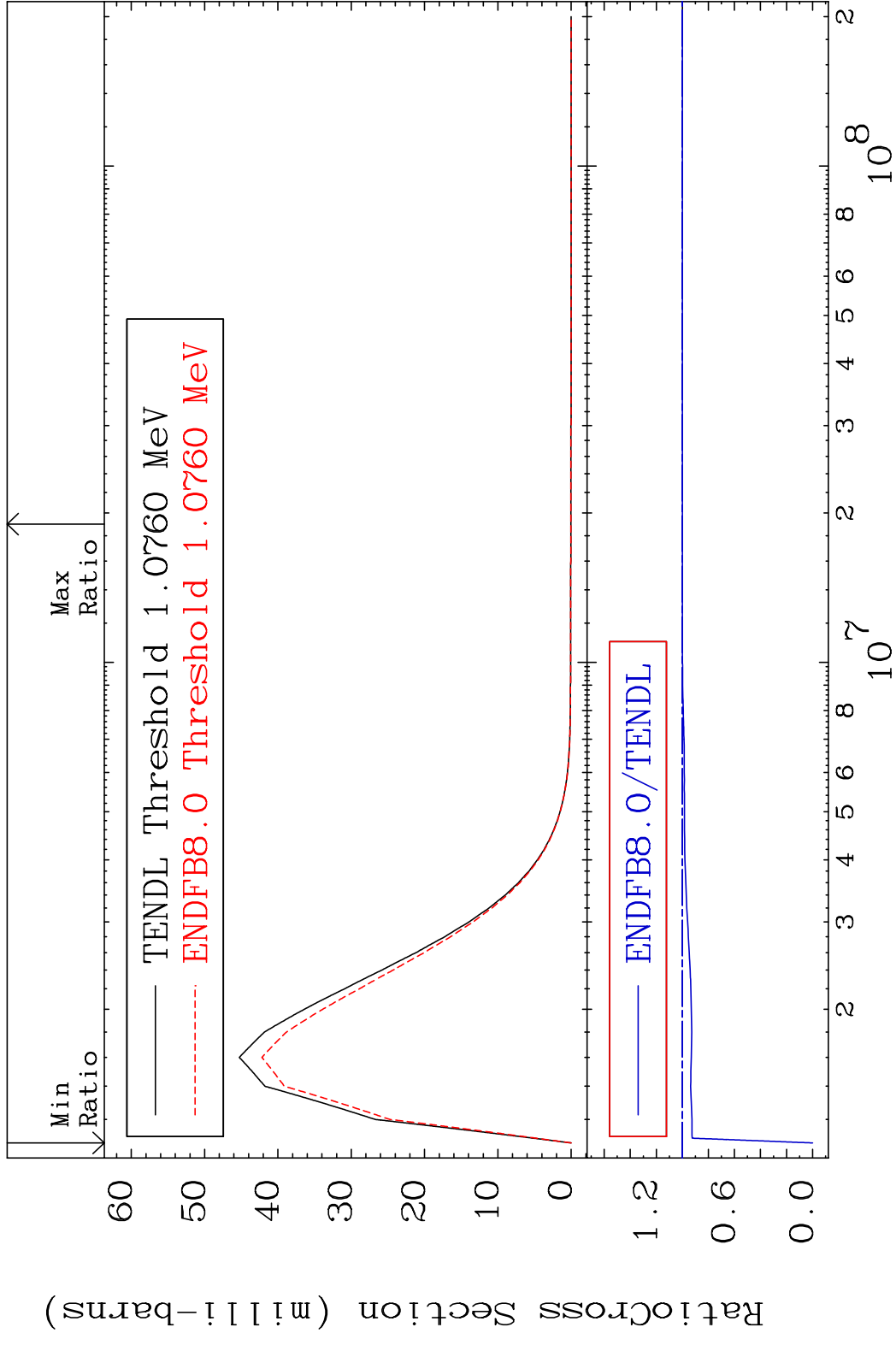
32 Incident Energy (eV) 48-Cd-109

MAT 4834 MT= 64 (n, n') Level 48-Cd-109
 Cross Section -23.02 To 176.6 %

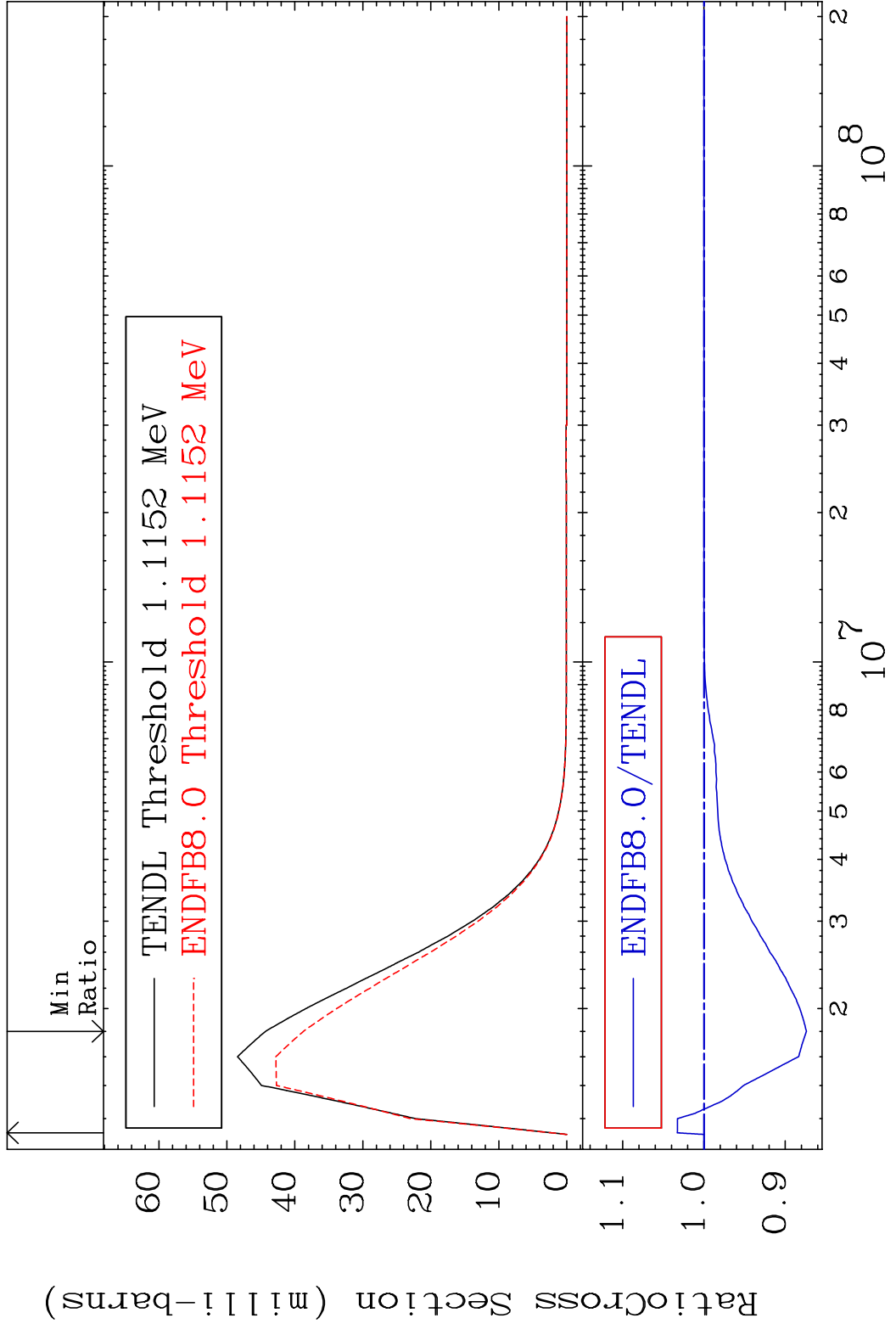


33 Incident Energy (eV) 48-Cd-109

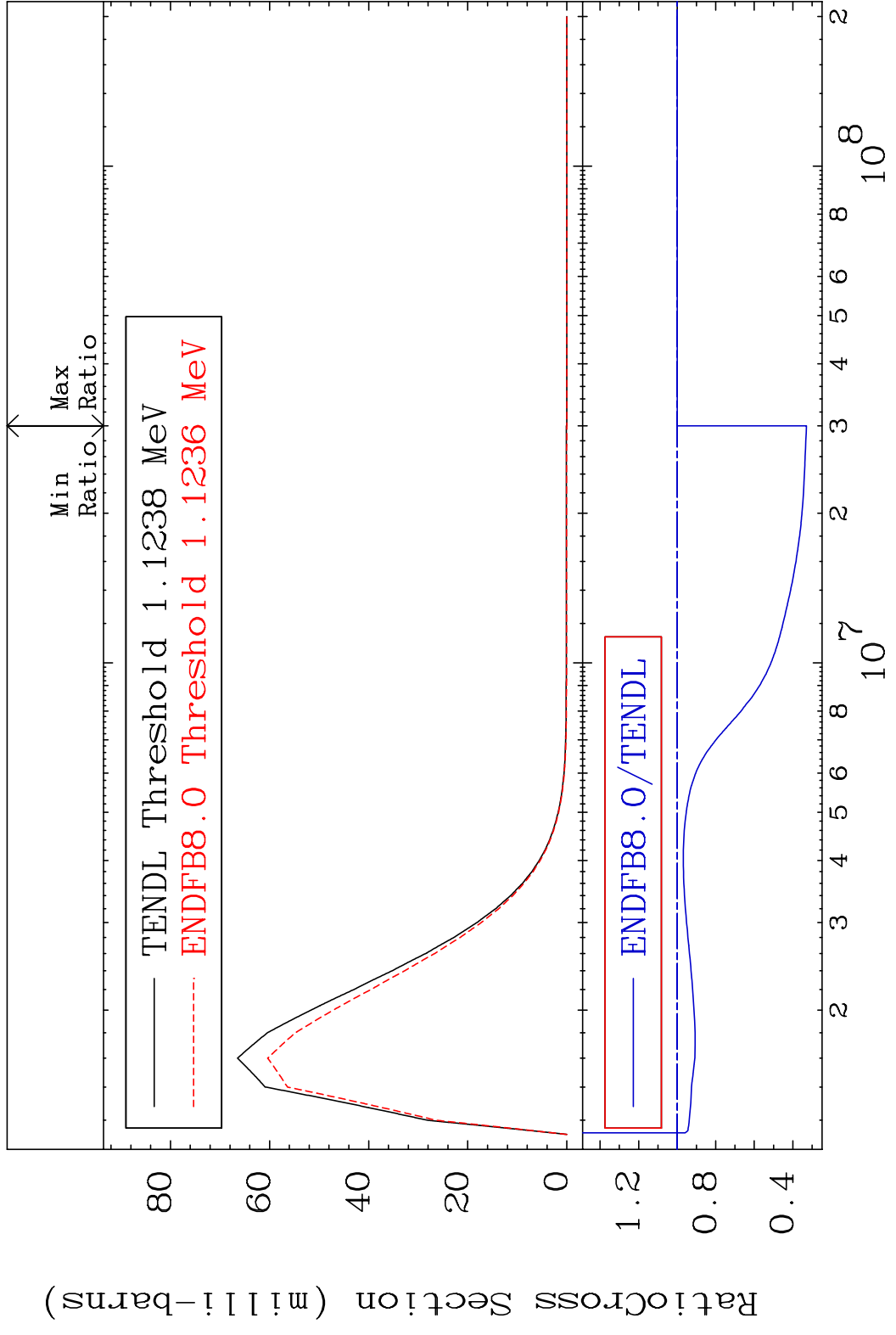
MAT 4834 MT= 65 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 0.000 %



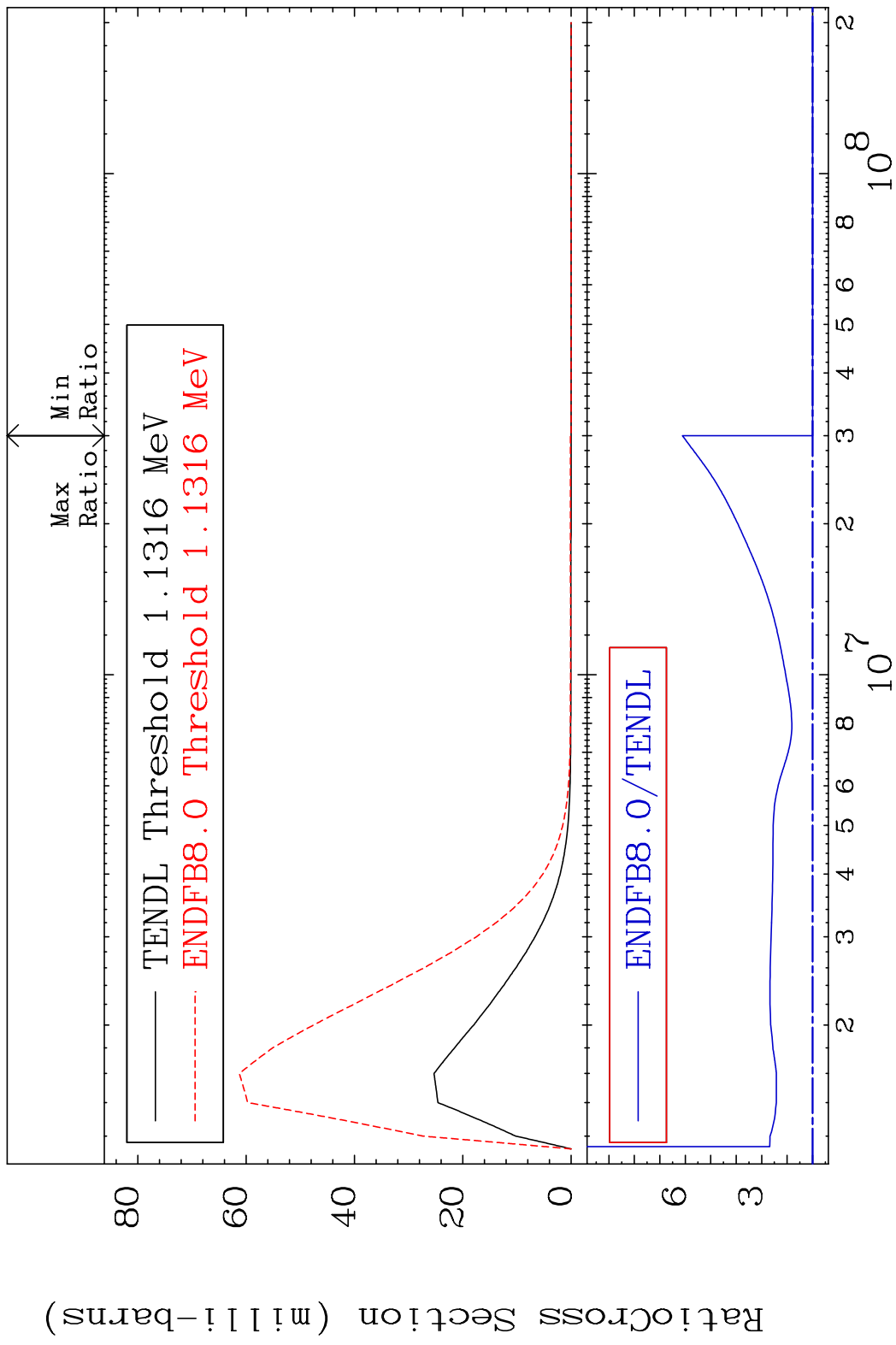
MAT 4834 MT= 66 (n,n') Level 48-Cd-109
 Cross Section -12.60 To 3.295 %



MAT 4834 MT= 67 (n, n') Level 48-Cd-109
 Cross Section -67.04 To 0.000 %

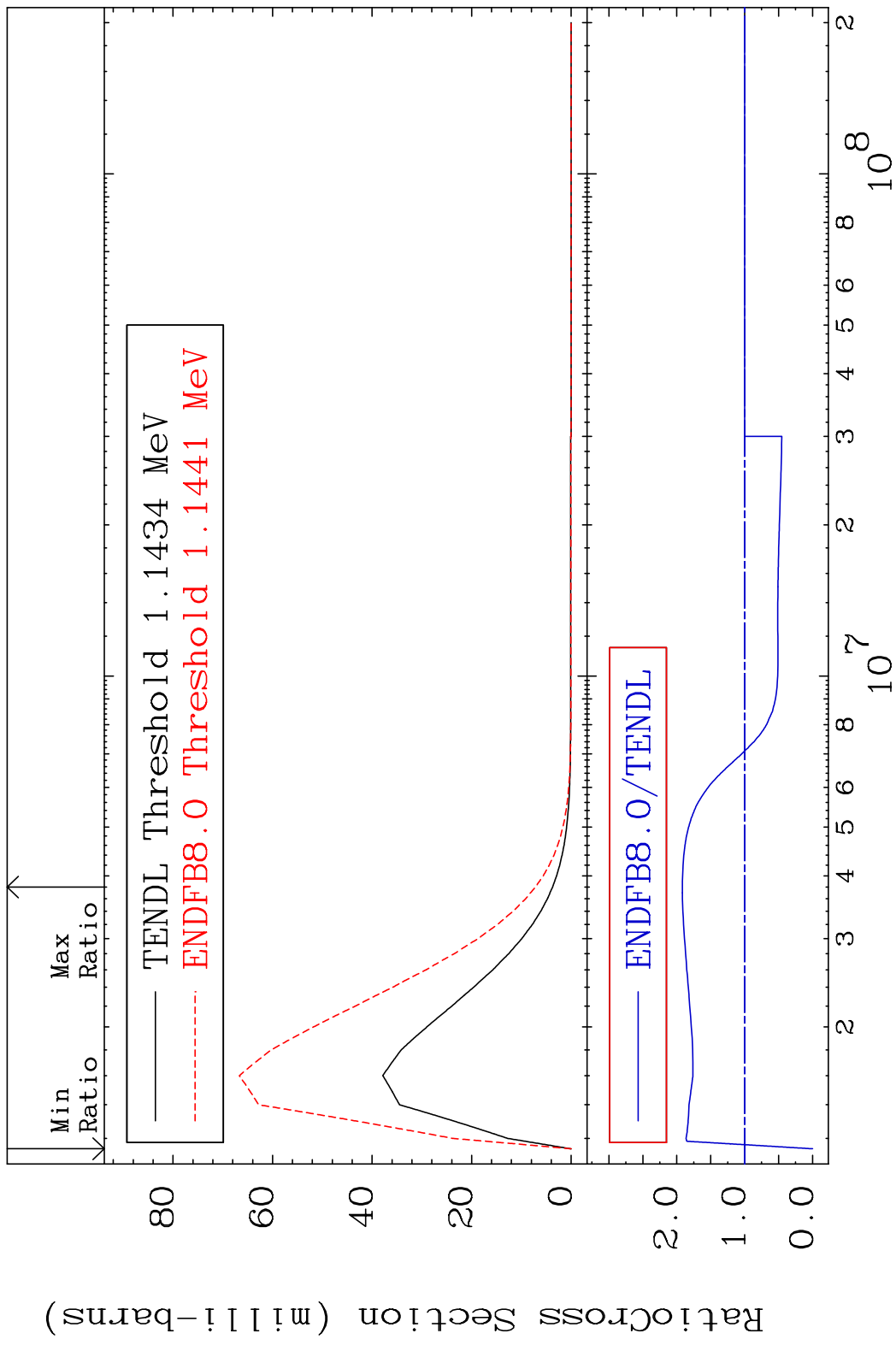


MAT 4834 MT= 68 (n, n') Level 48-Cd-109
 Cross Section 0.000 To 511.5 %

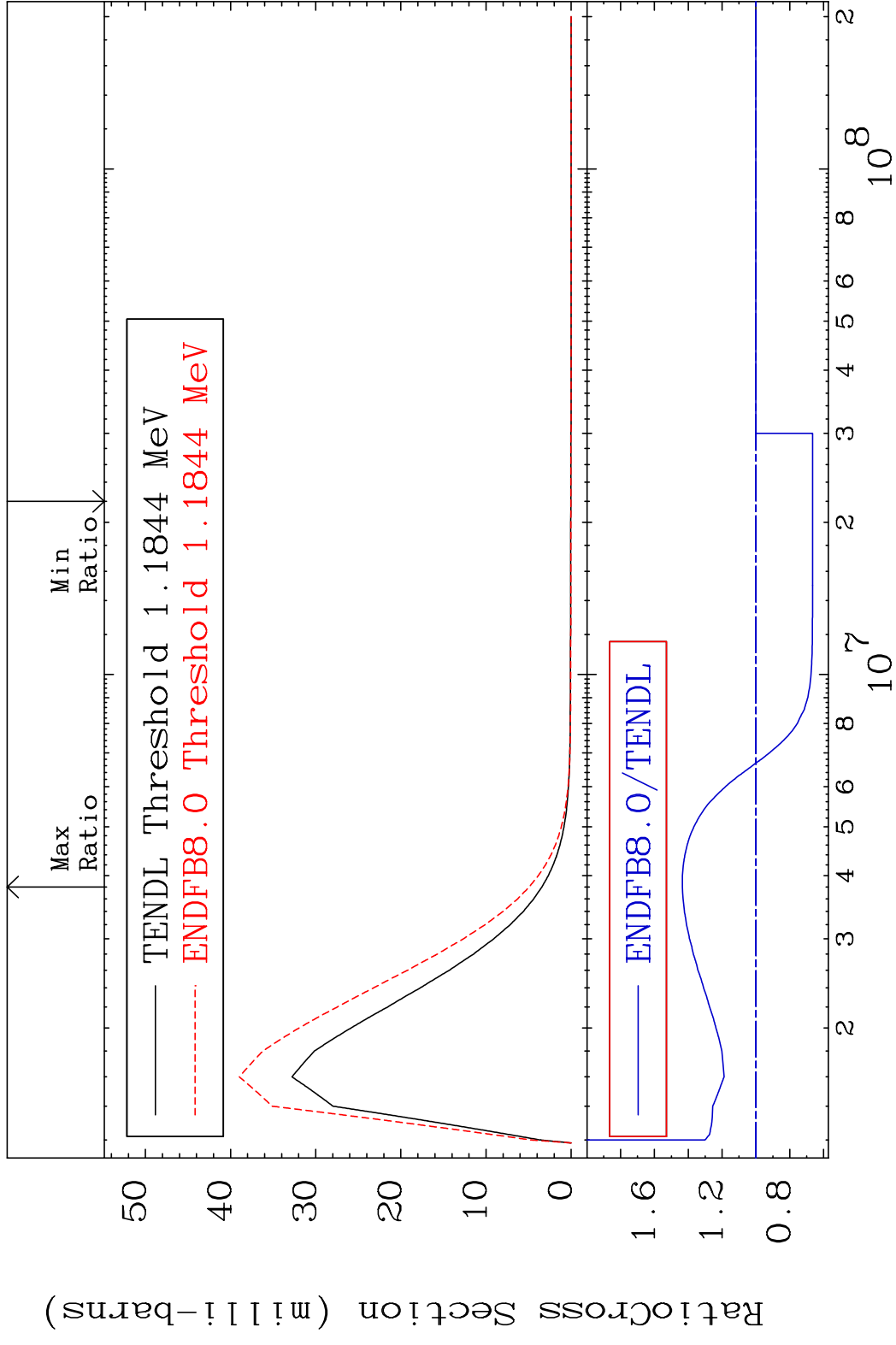


37 Incident Energy (eV) 48-Cd-109

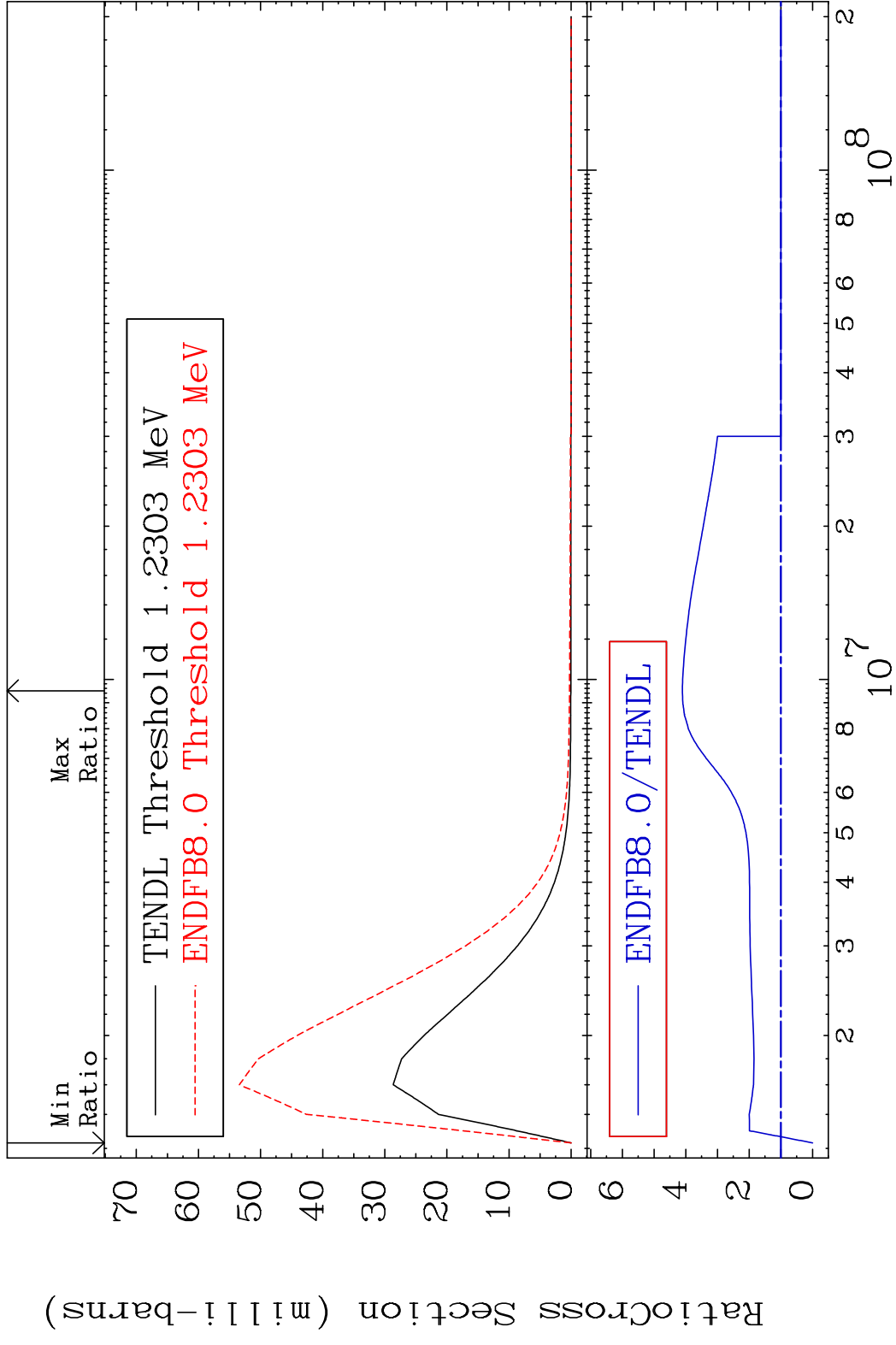
MAT 4834 MT= 69 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 91.77 %



MAT 4834 MT= 70 (n,n') Level 48-Cd-109
 Cross Section -33.48 To 43.49 %

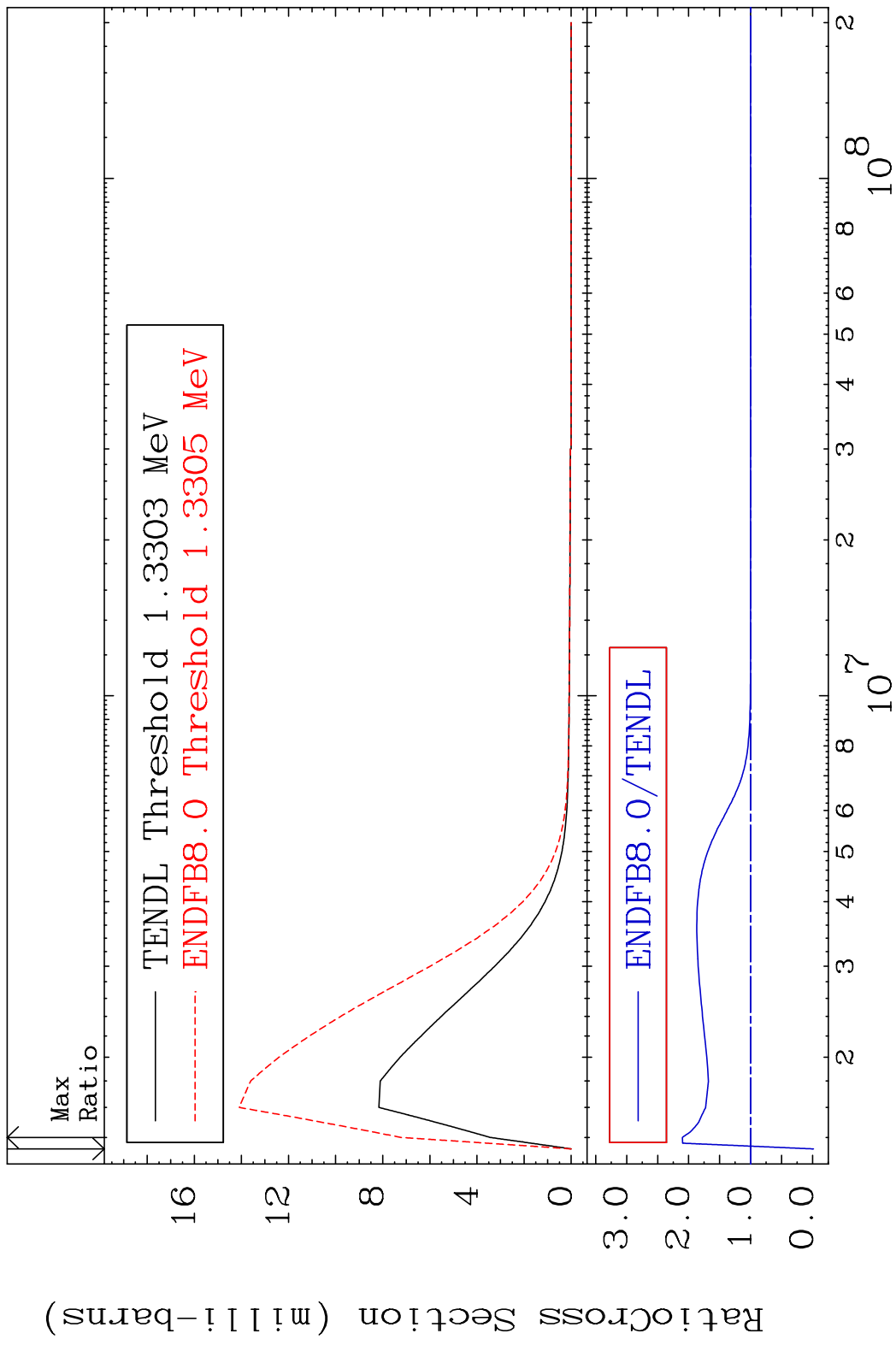


MAT 4834 MT= 71 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 310.8 %

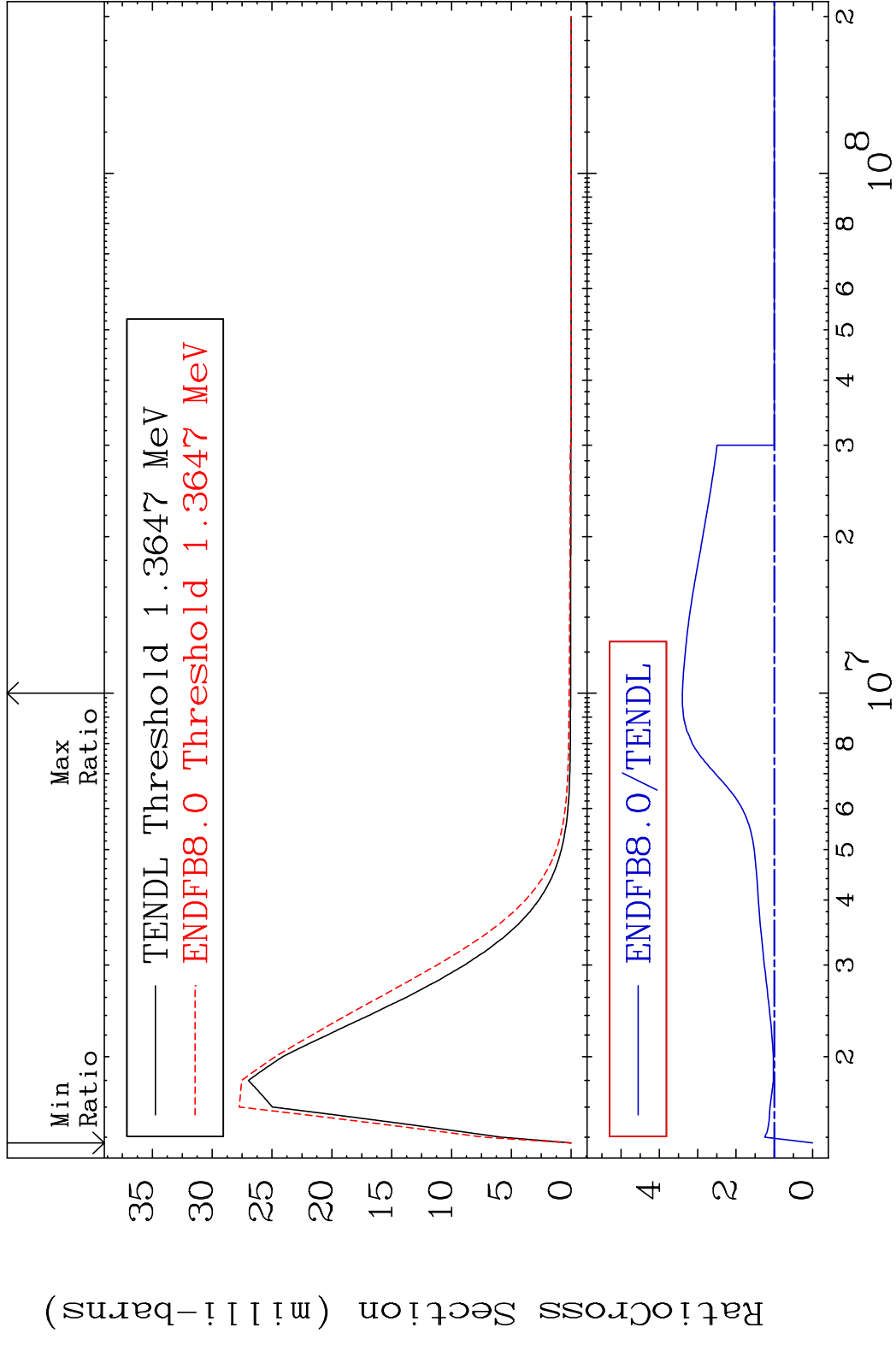


40 Incident Energy (eV) 48-Cd-109

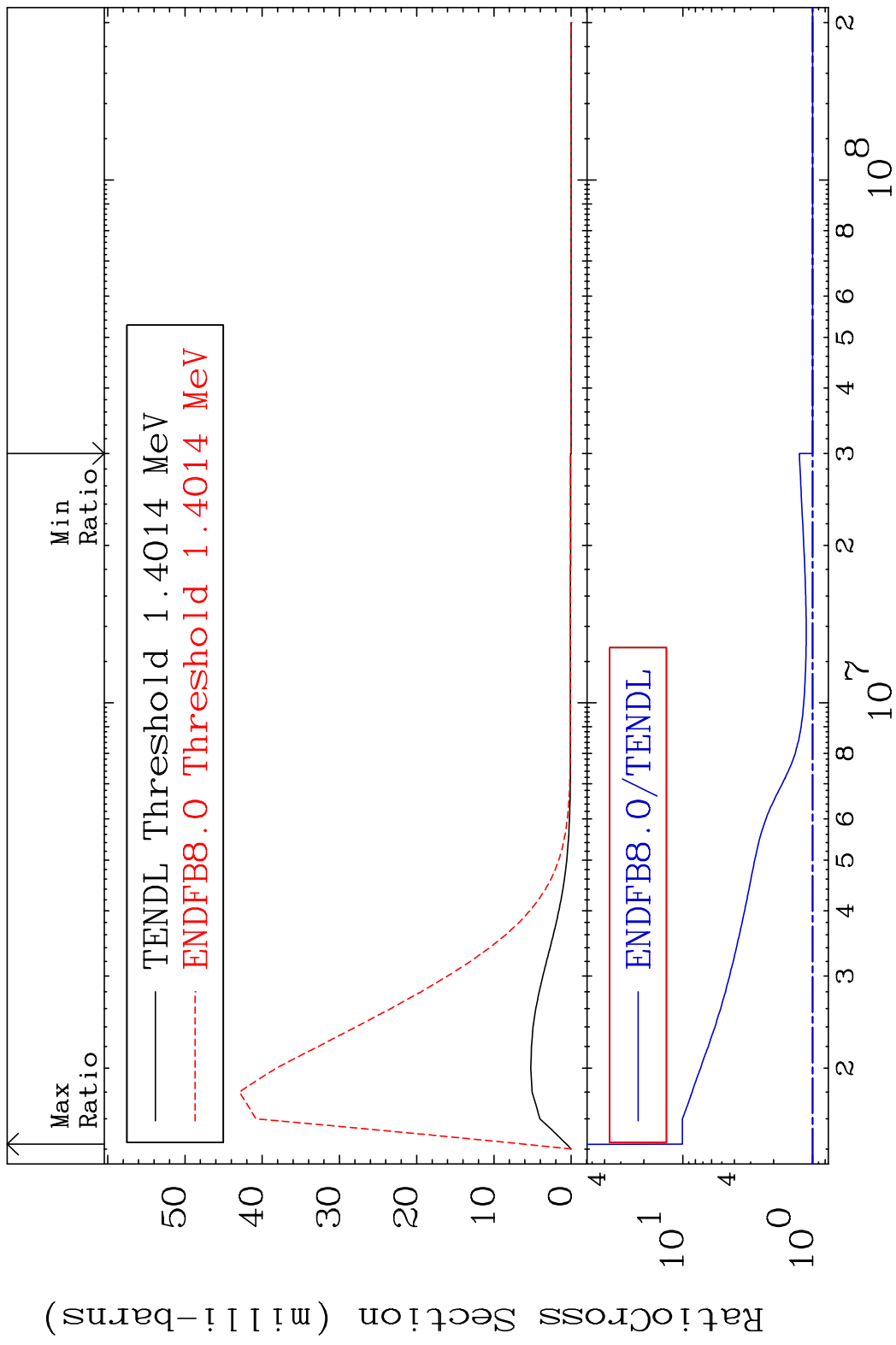
MAT 4834 MT= 72 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 110.2 %



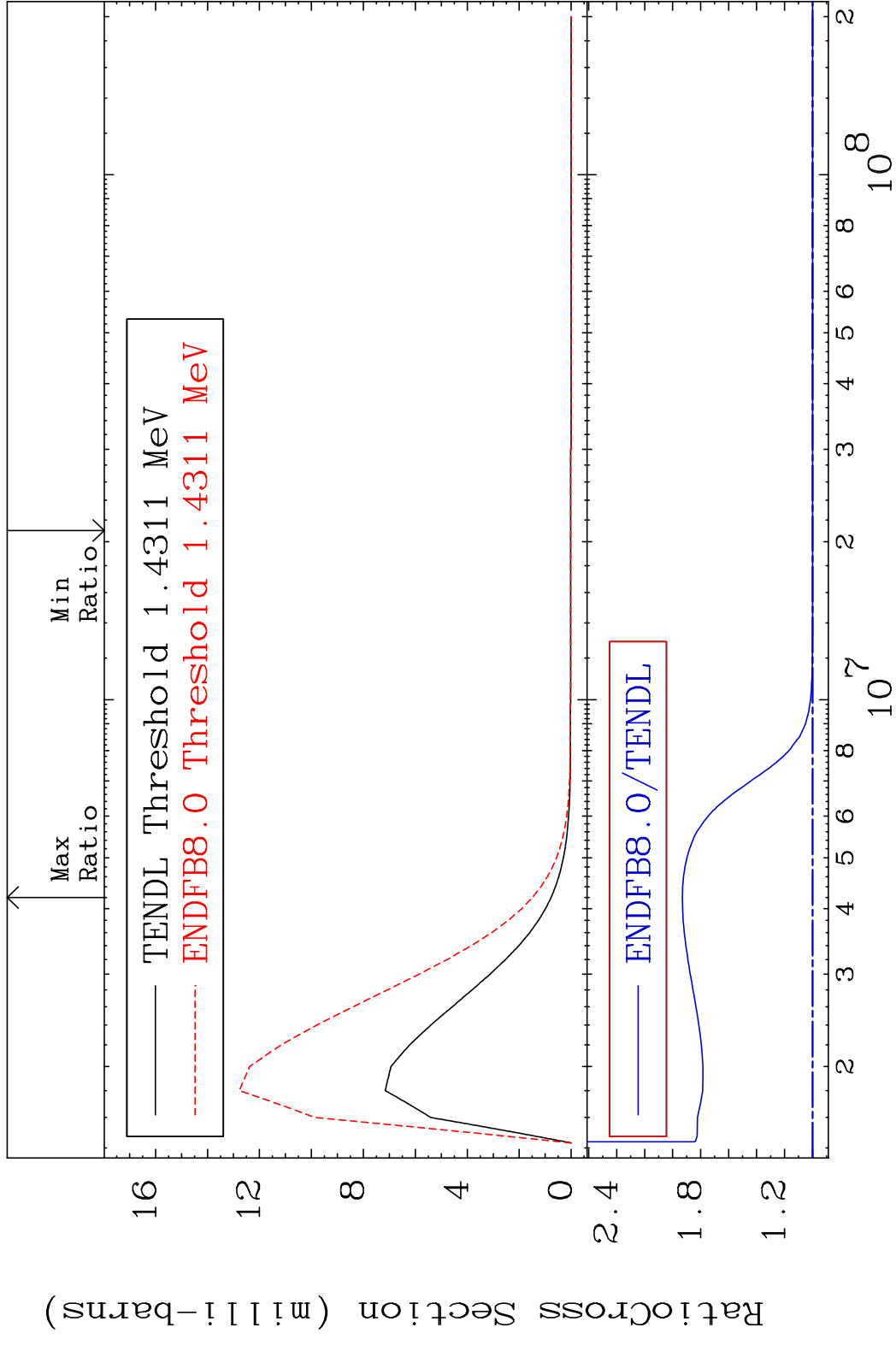
MAT 4834 MT= 73 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 239.8 %



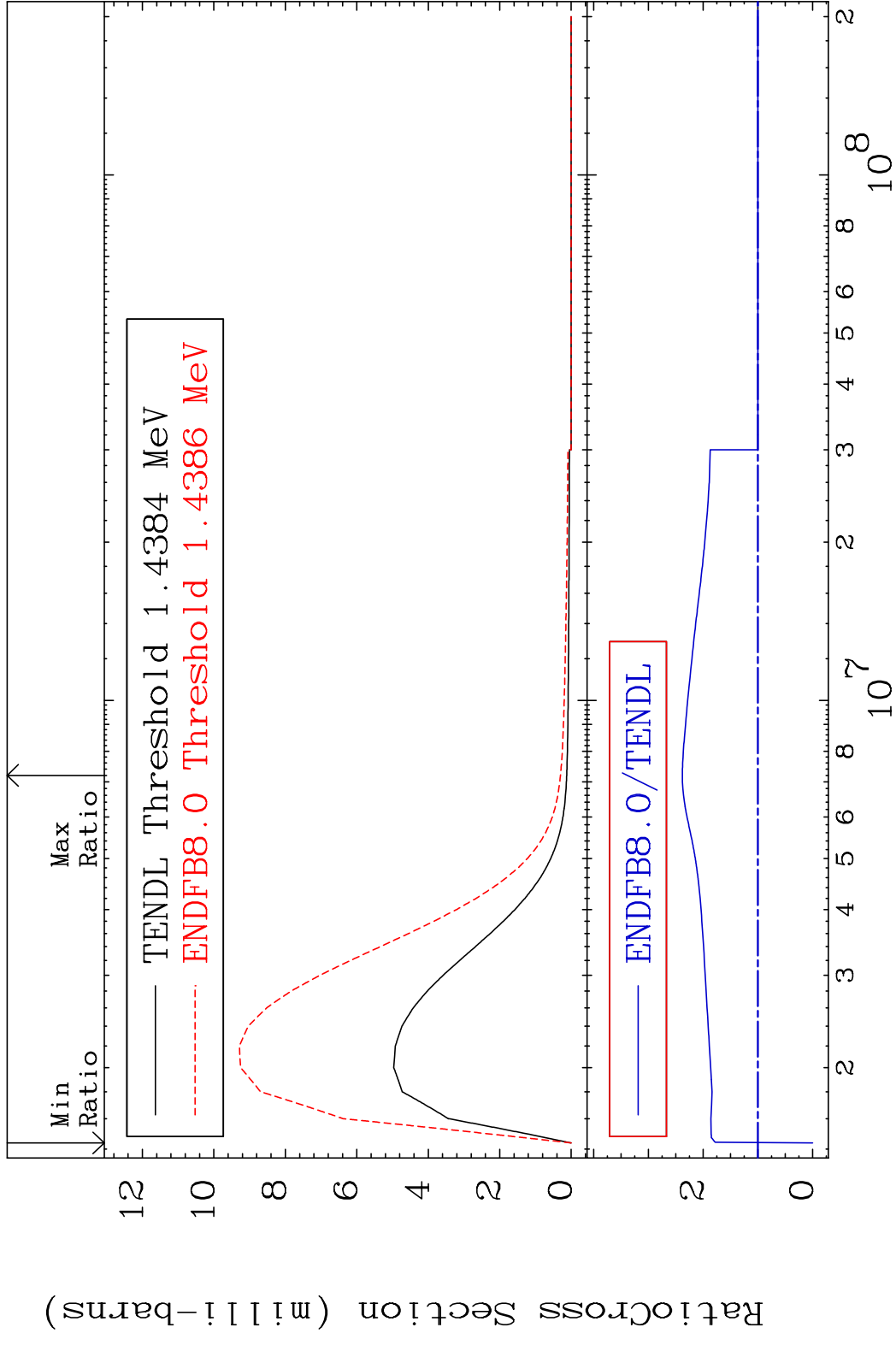
MAT 4834 MT= 74 (n,n') Level 48-Cd-109
 Cross Section 0.000 To 908.2 %



MAT 4834 MT= 75 (n,n') Level 48-Cd-109
 Cross Section 0.000 To 93.09 %



MAT 4834 MT= 76 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 138.1 %

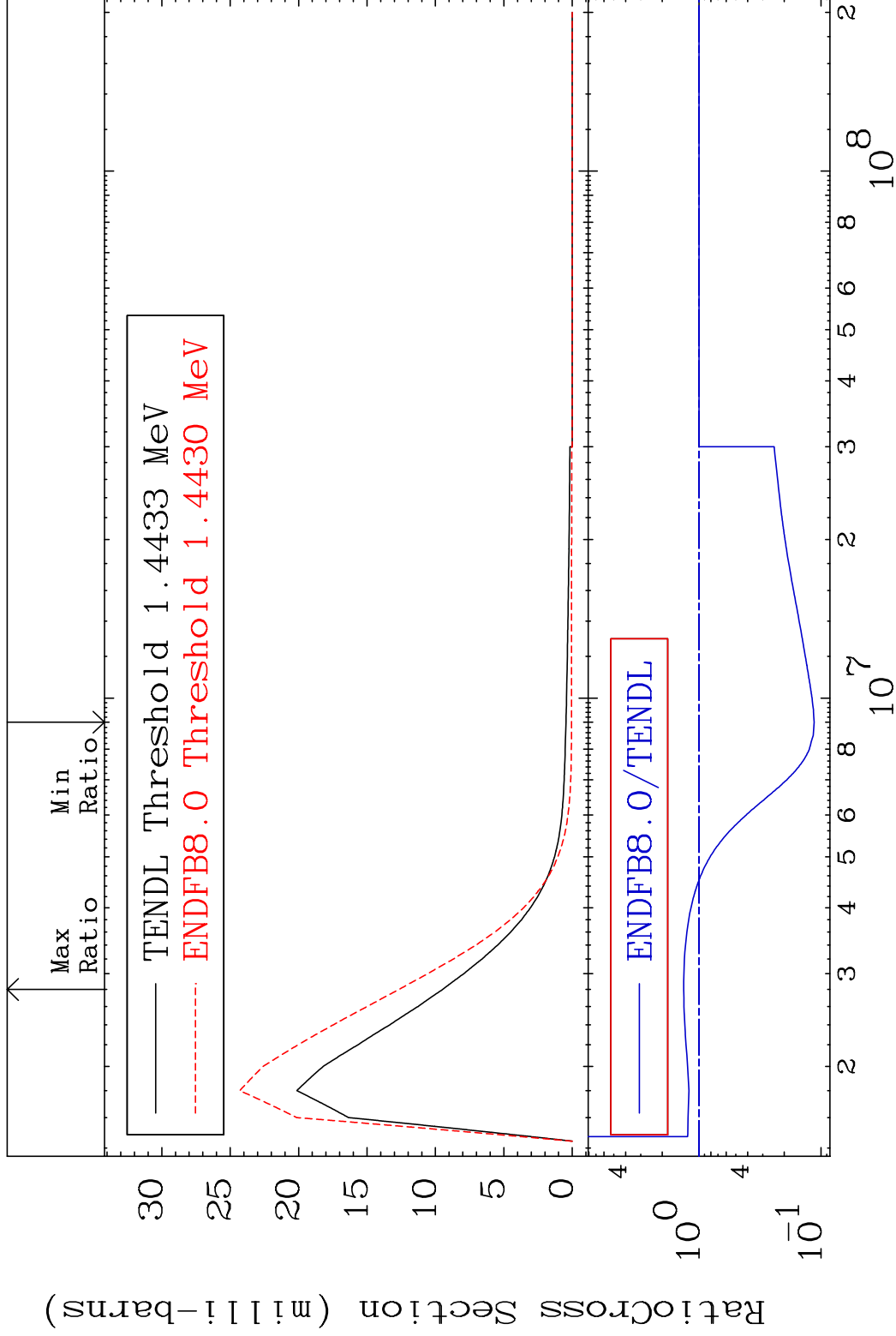


MAT 4834

MT= 77 (n, n') Level

48-Cd-109

Cross Section -88.60 To 33.61 %

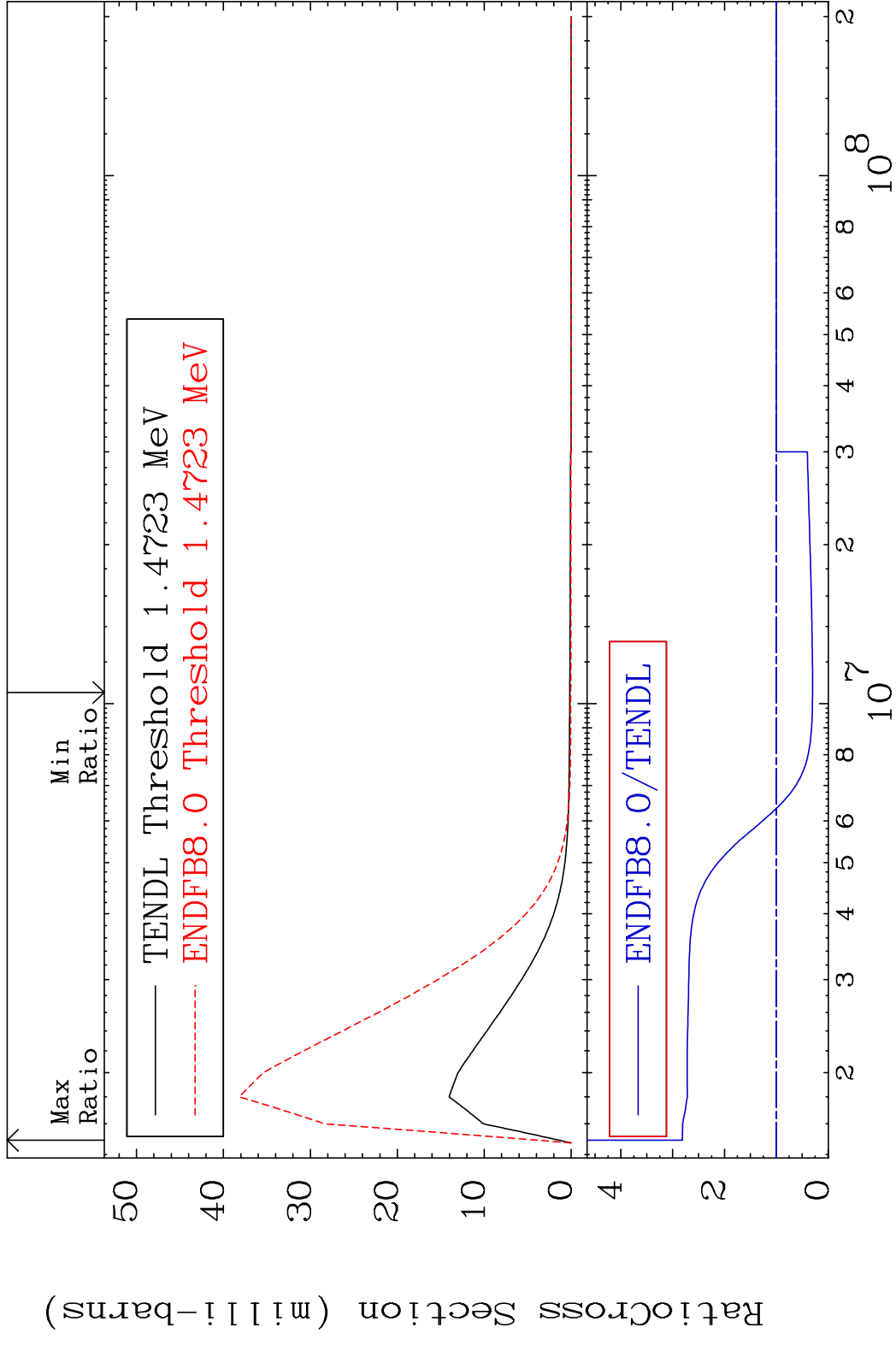


46

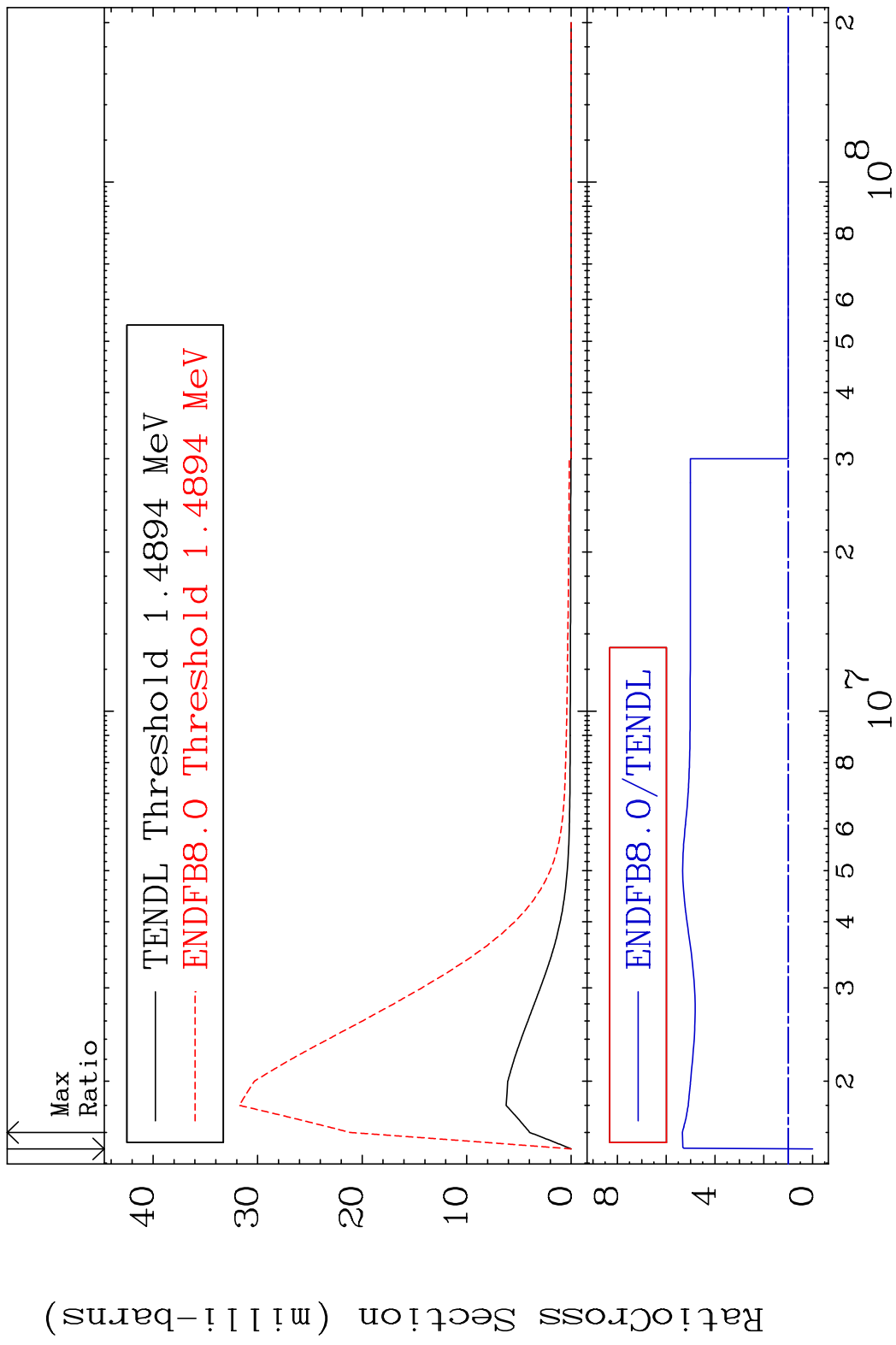
Incident Energy (eV)

48-Cd-109

MAT 4834 MT= 78 (n,n') Level 48-Cd-109
 Cross Section -70.08 To 181.3 %

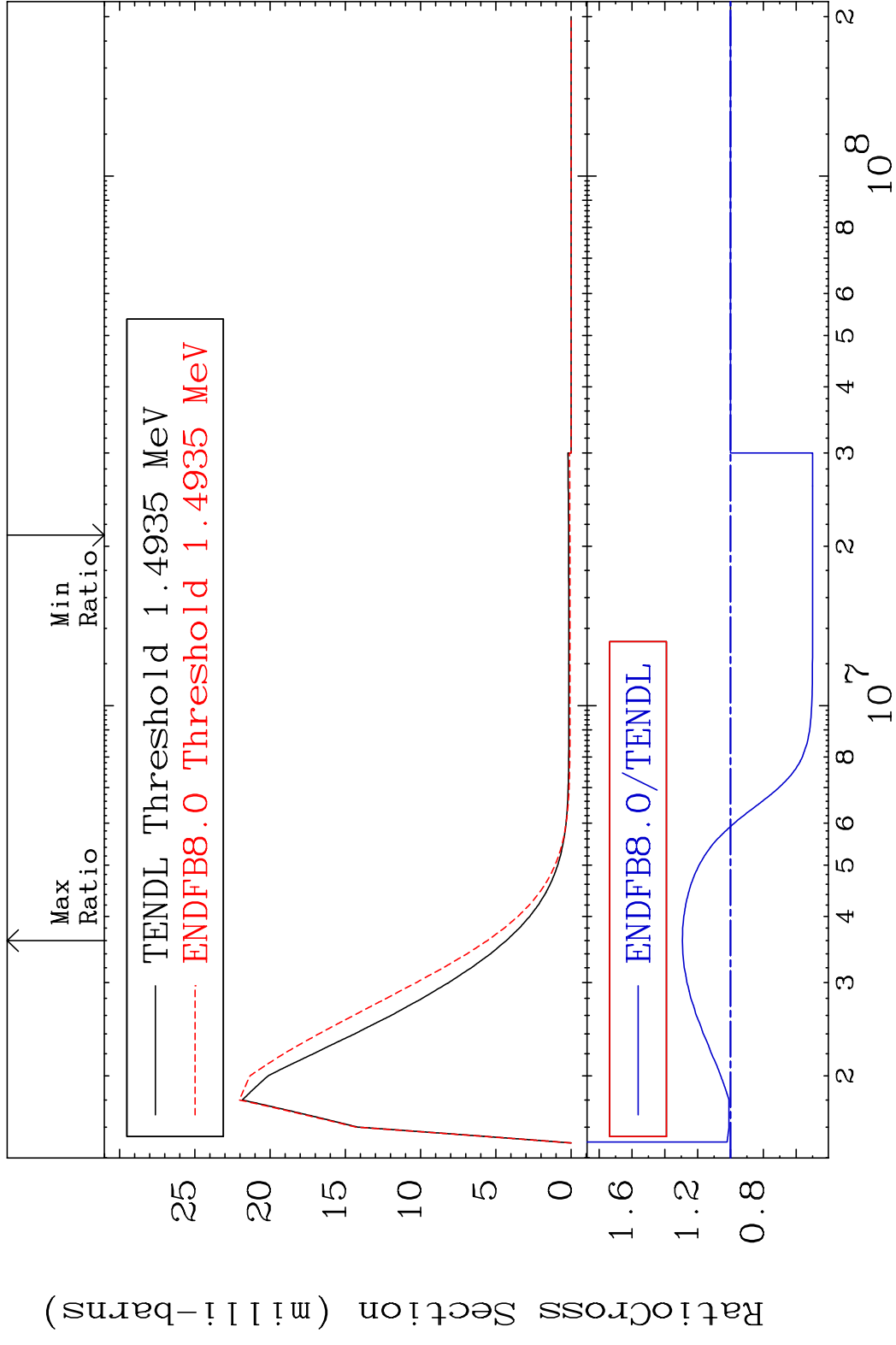


MAT 4834 MT= 79 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 433.5 %

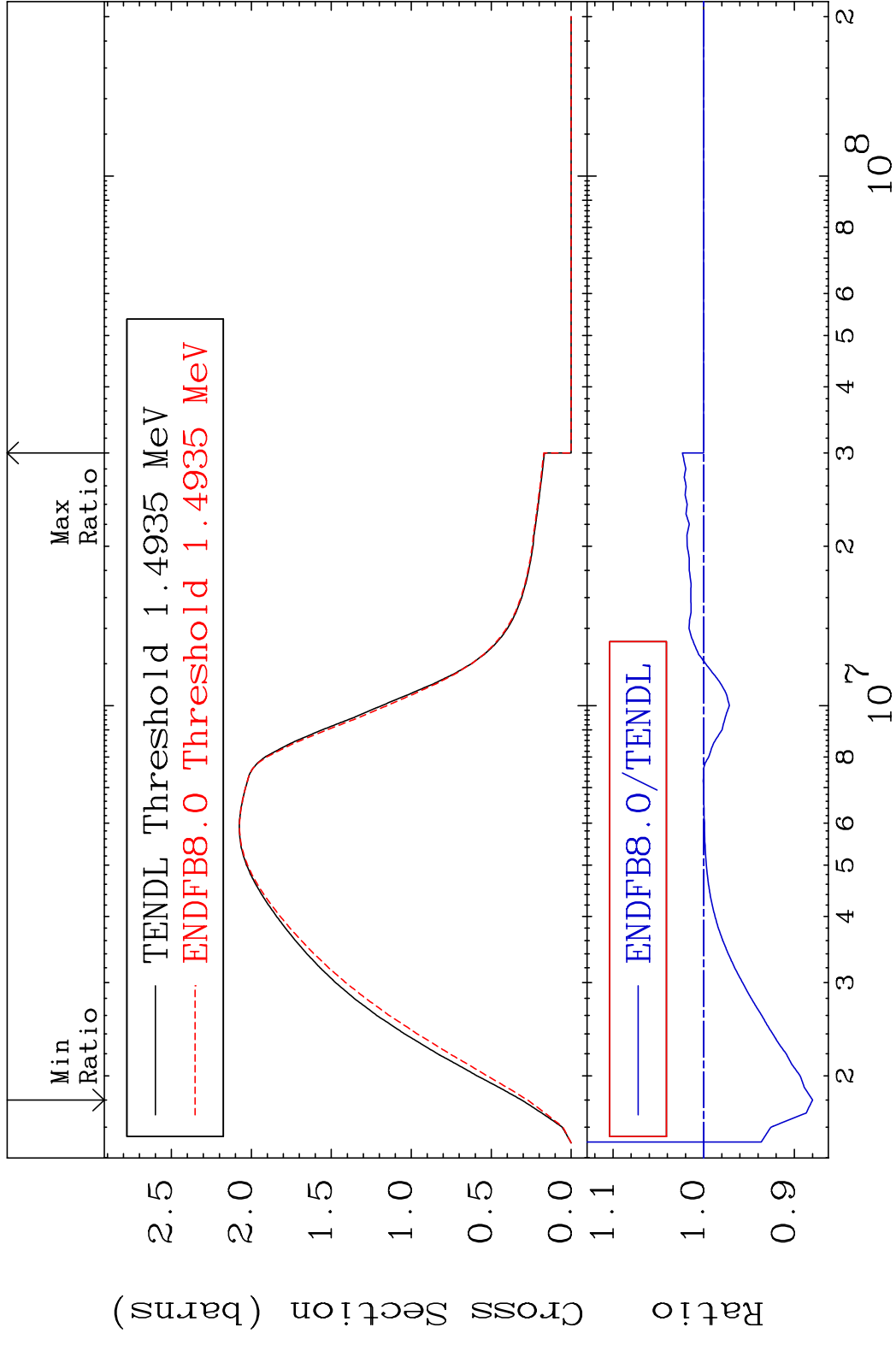


48 48-Cd-109

MAT 4834 MT= 80 (n,n') Level 48-Cd-109
 Cross Section -49.95 To 29.30 %



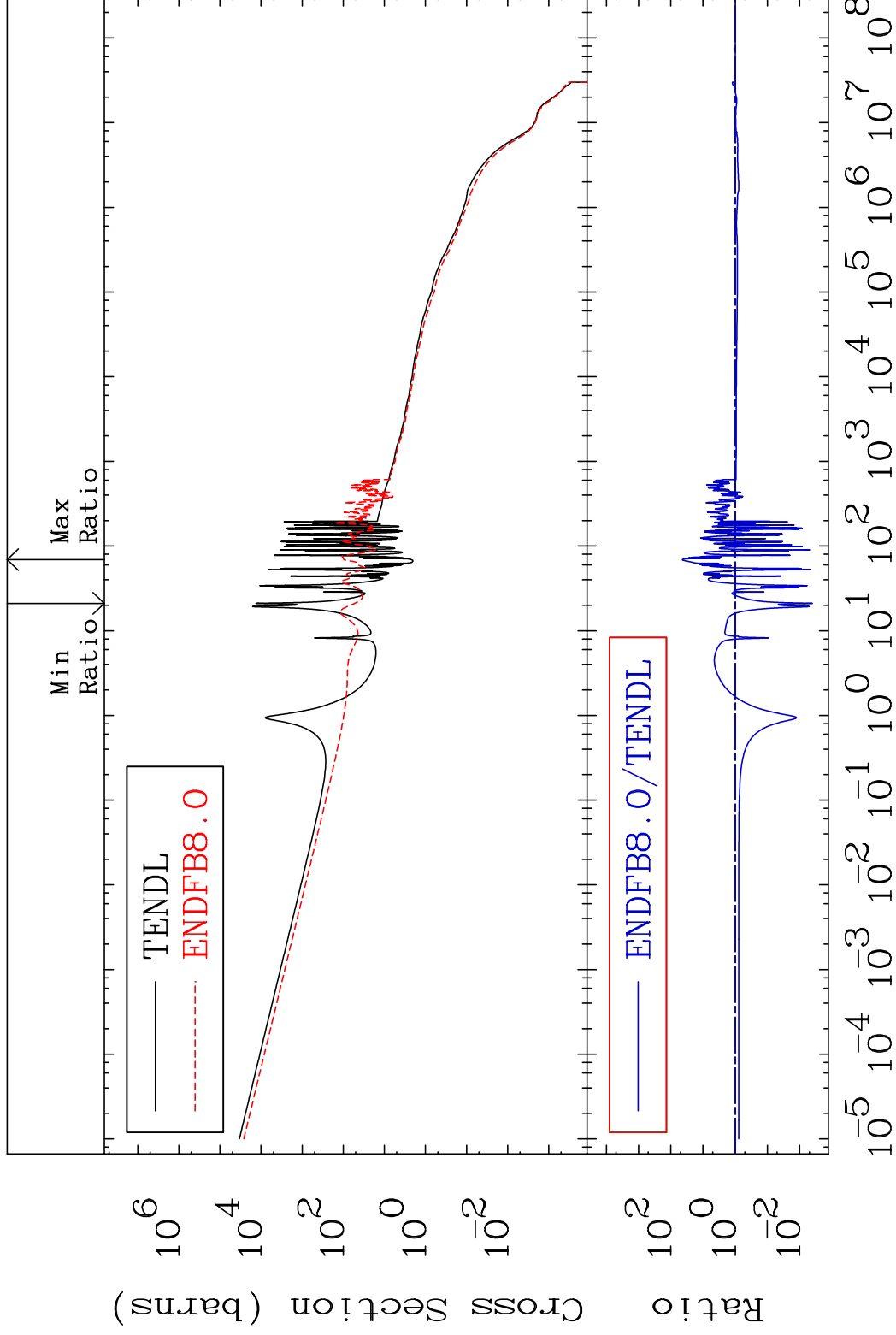
MAT 4834 (n,n') Continuum 48-Cd-109
 Cross Section -12.01 To 2.351 %



MAT 4834

(n, γ)
Cross Section -99.60 To 4273. %

48-Cd-109



51

Incident Energy (eV)

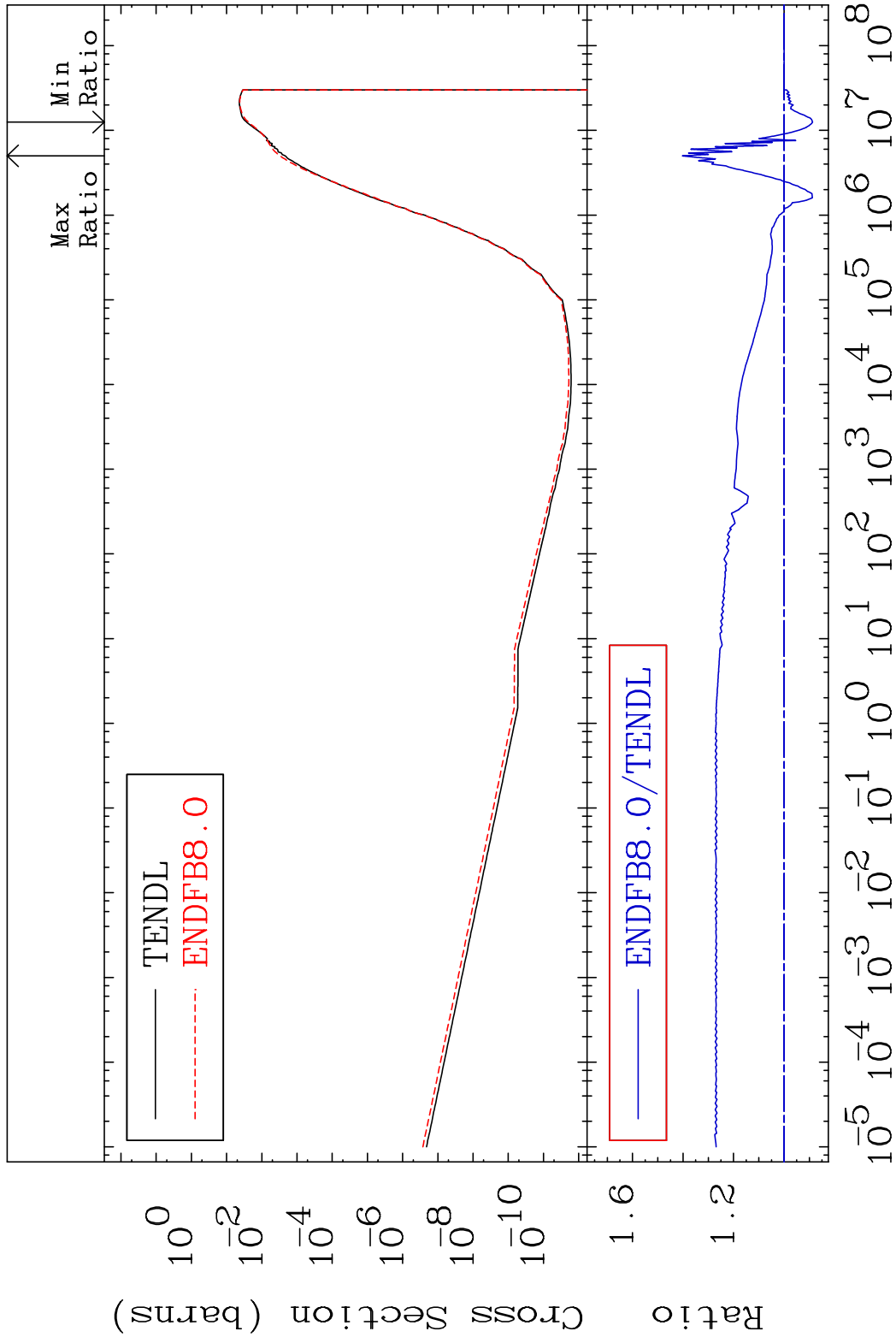
48-Cd-109

MAT 4834

(n, p)

48-Cd-109

Cross Section -11.27 To 40.28 %

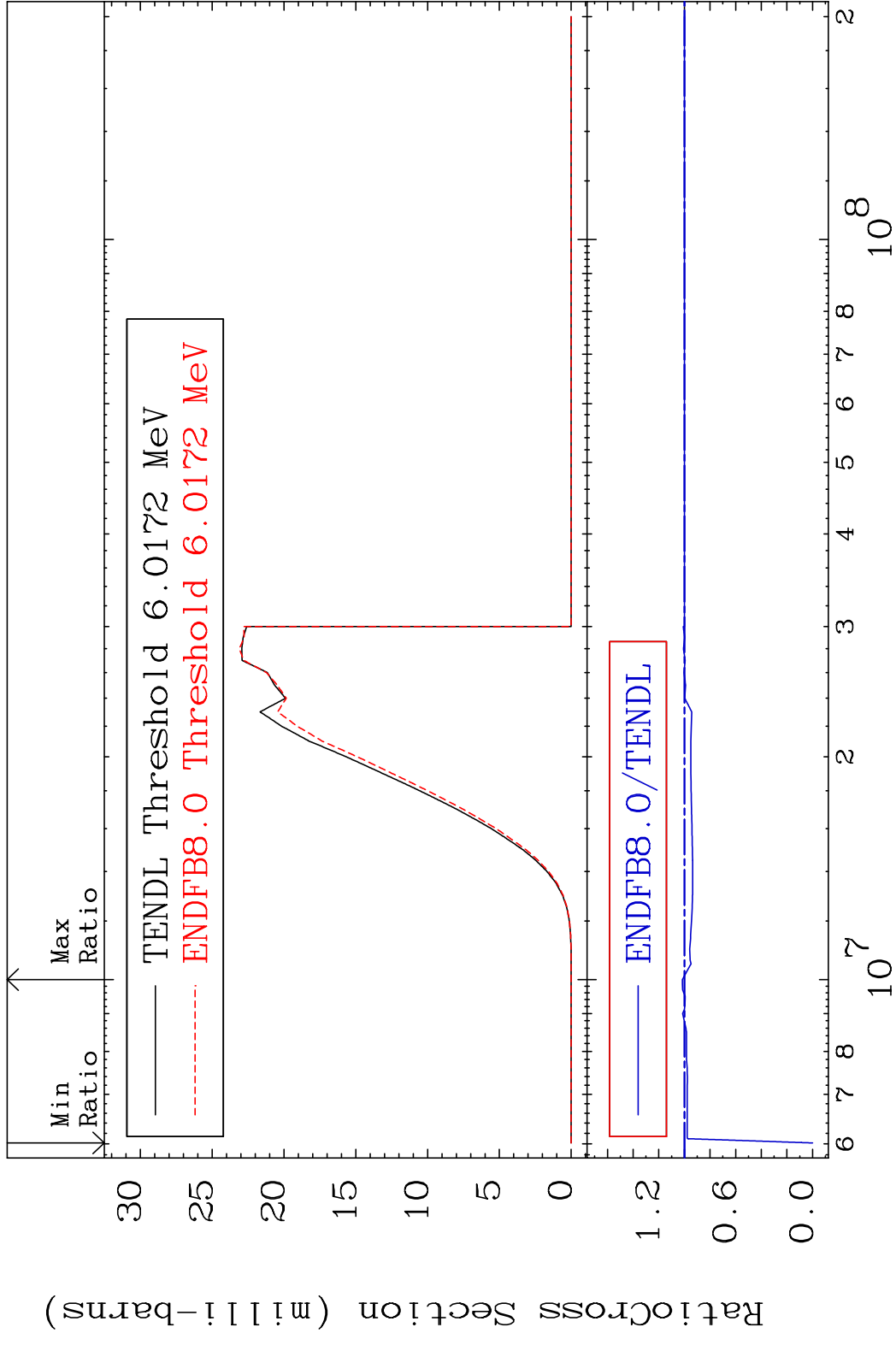


52

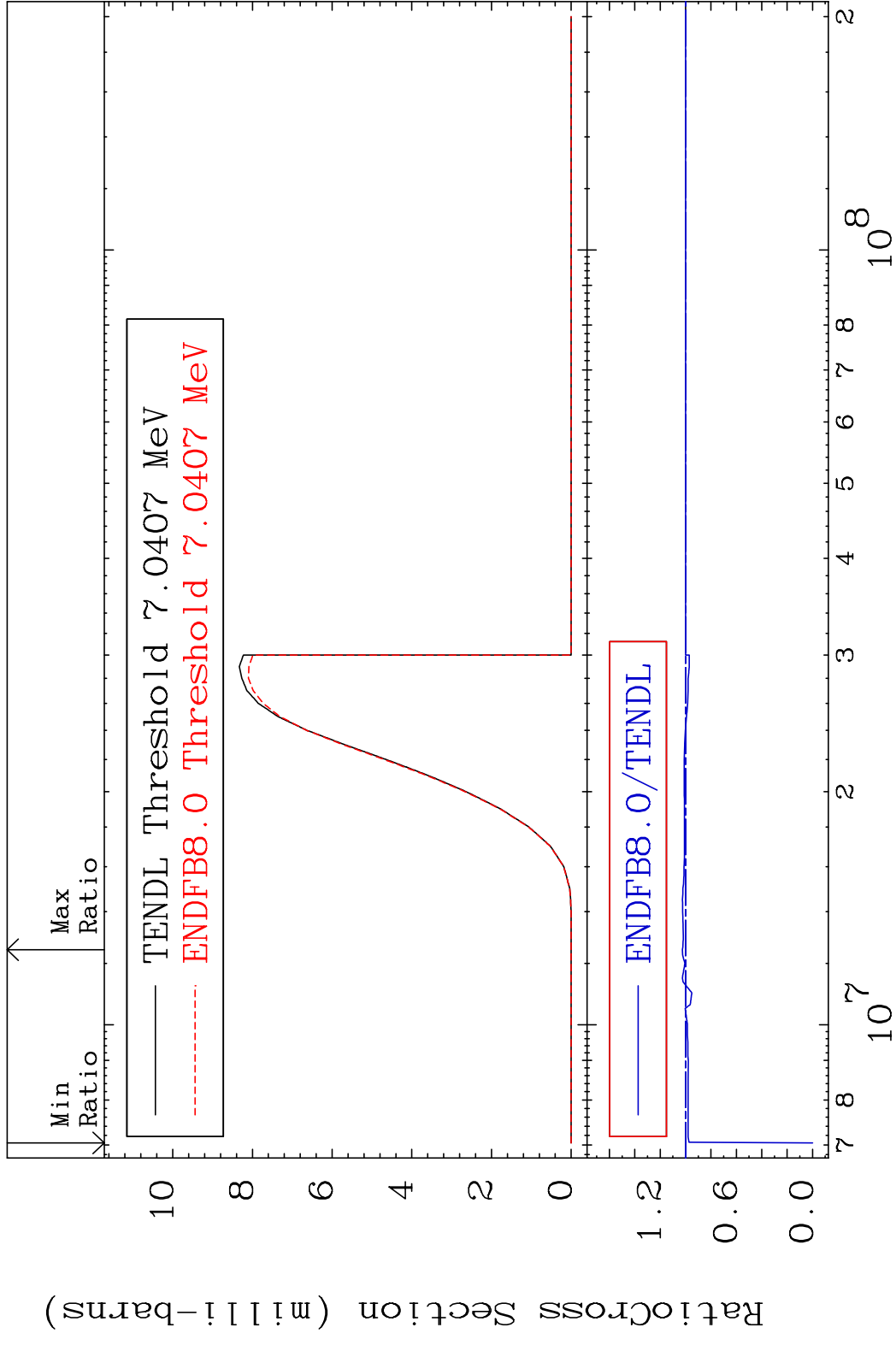
Incident Energy (eV)

48-Cd-109

MAT 4834 (n,d) 48-Cd-109
 Cross Section -100.0 To 1.594 %



MAT 4834 (n, t) 48-Cd-109
 Cross Section -100.0 To 2.562 %

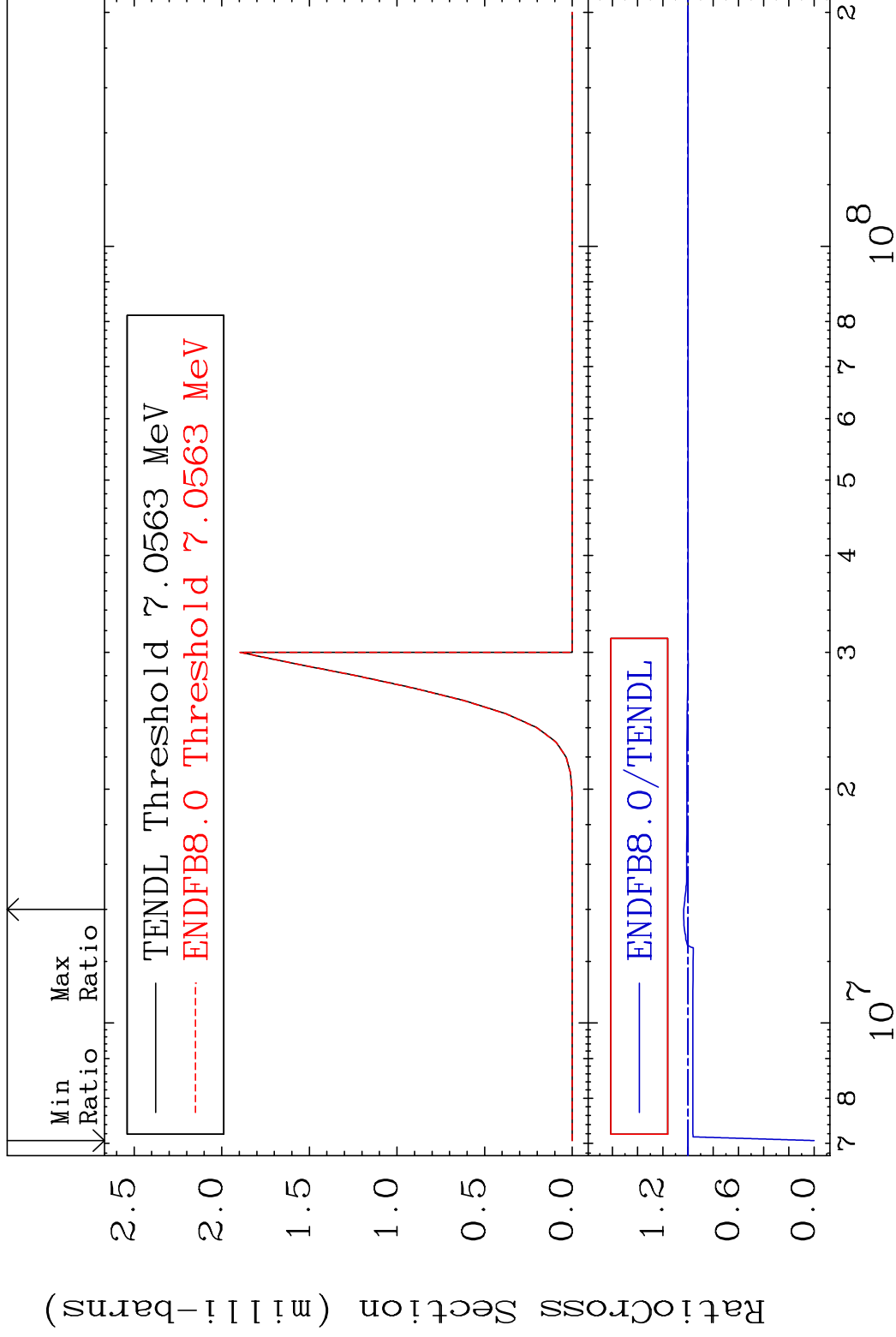


MAT 4834

(n, He-3)

48-Cd-109

Cross Section -100.0 To 3.490 %



55

Incident Energy (eV)

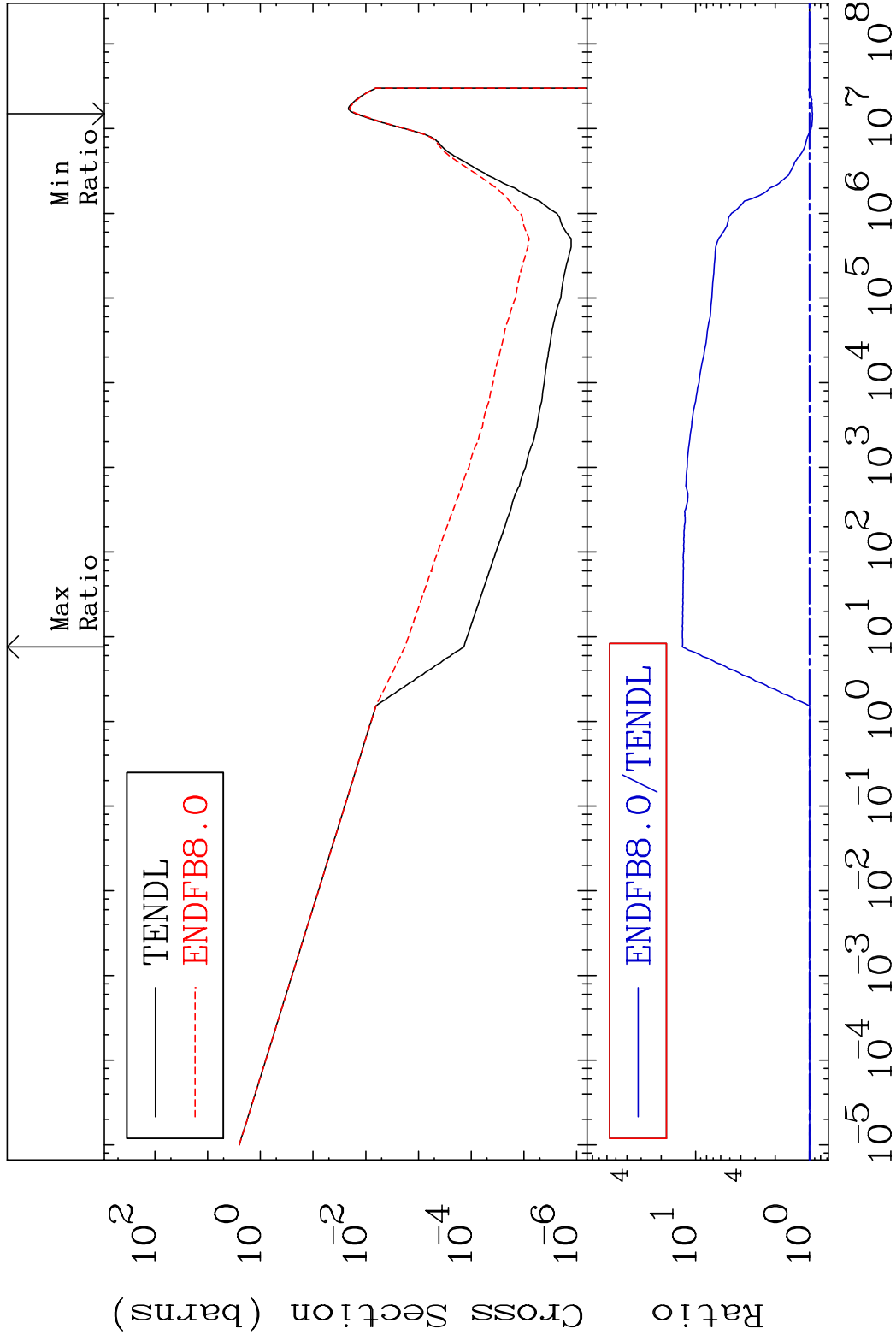
48-Cd-109

MAT 4834

(n, α)

48-Cd-109

Cross Section -6.110 To 1205. %



56

Incident Energy (eV)

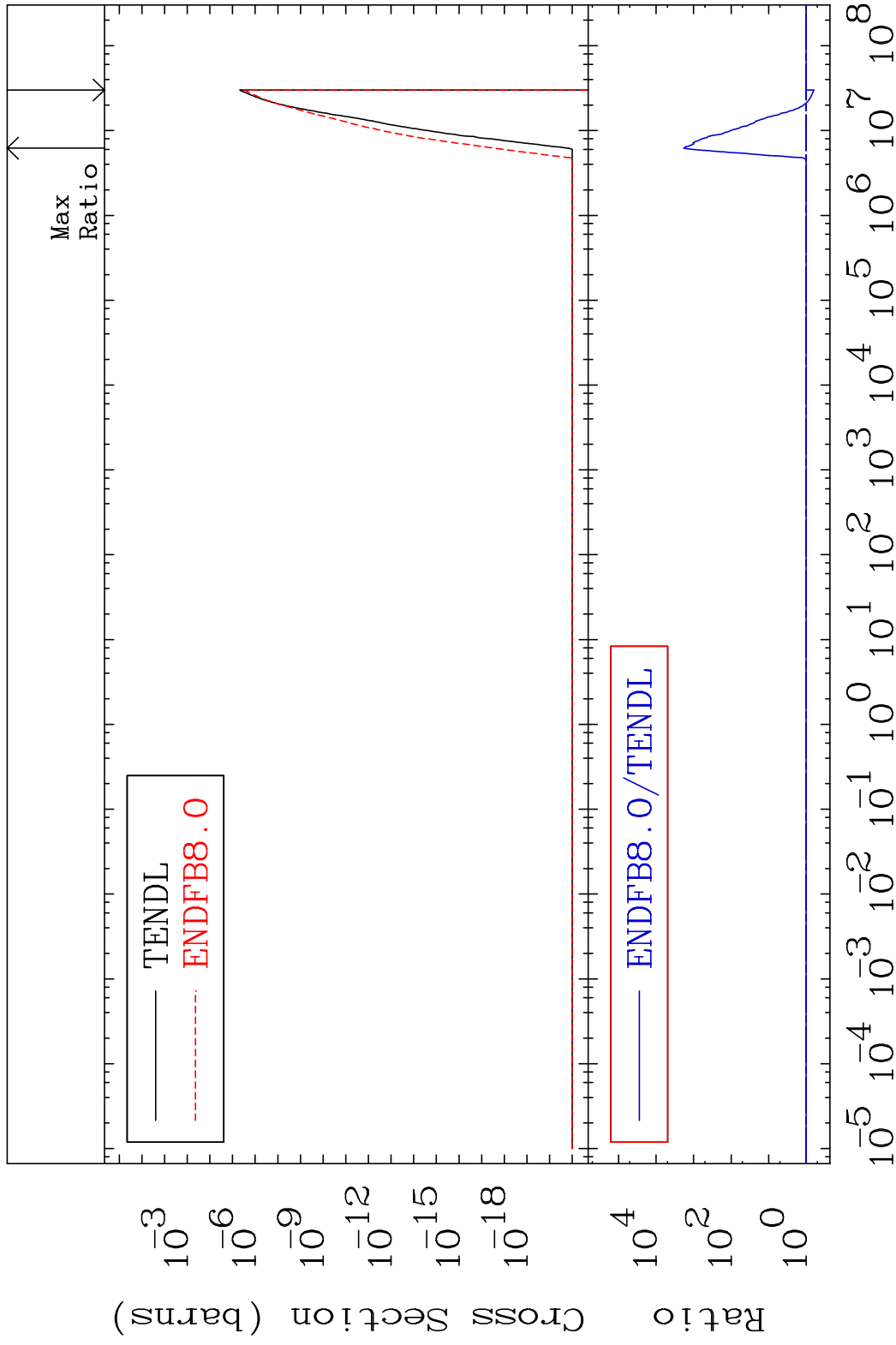
48-Cd-109

MAT 4834

(n,2α)

48-Cd-109

Cross Section -38.73 To 9999. %

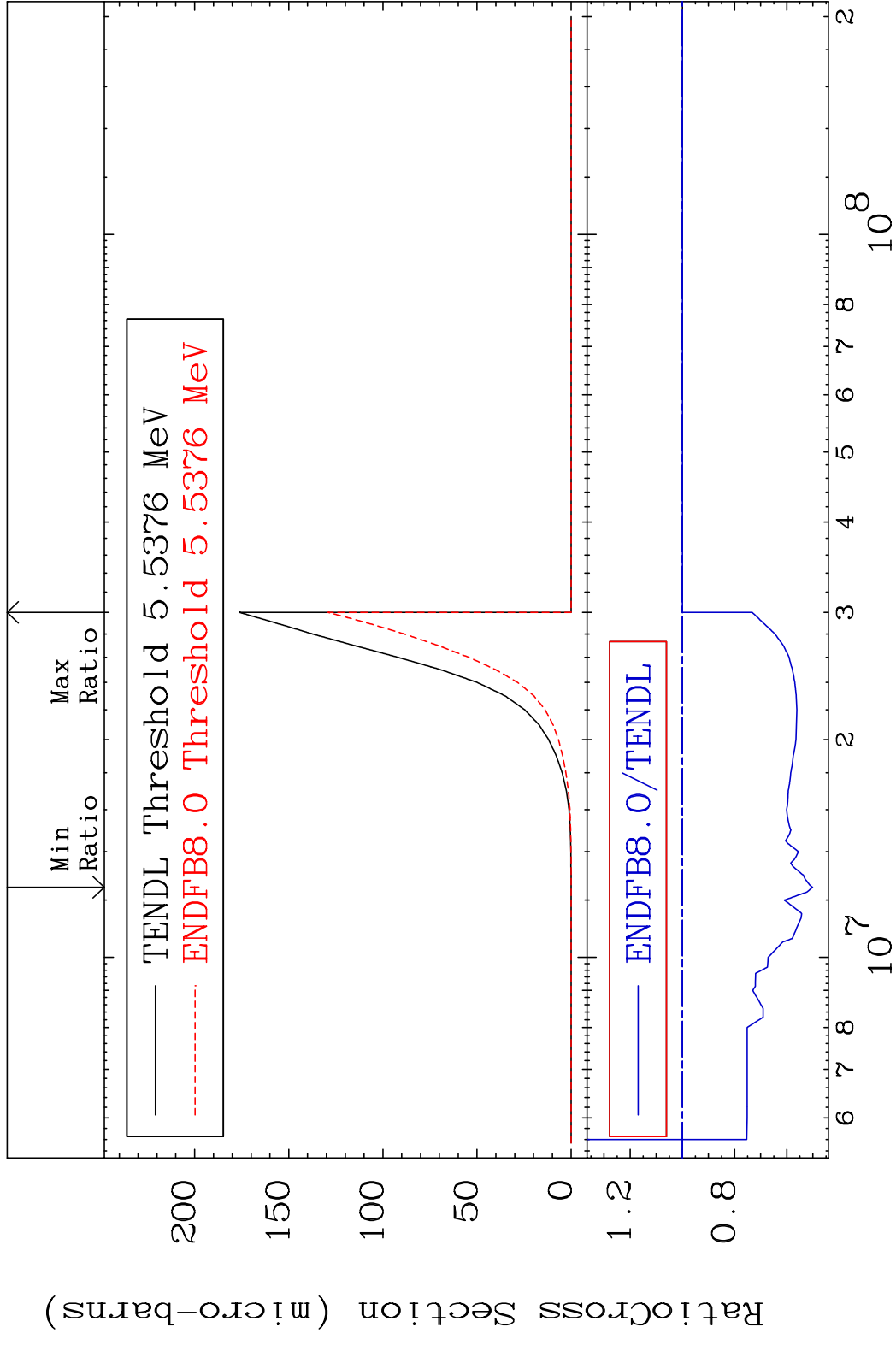


57

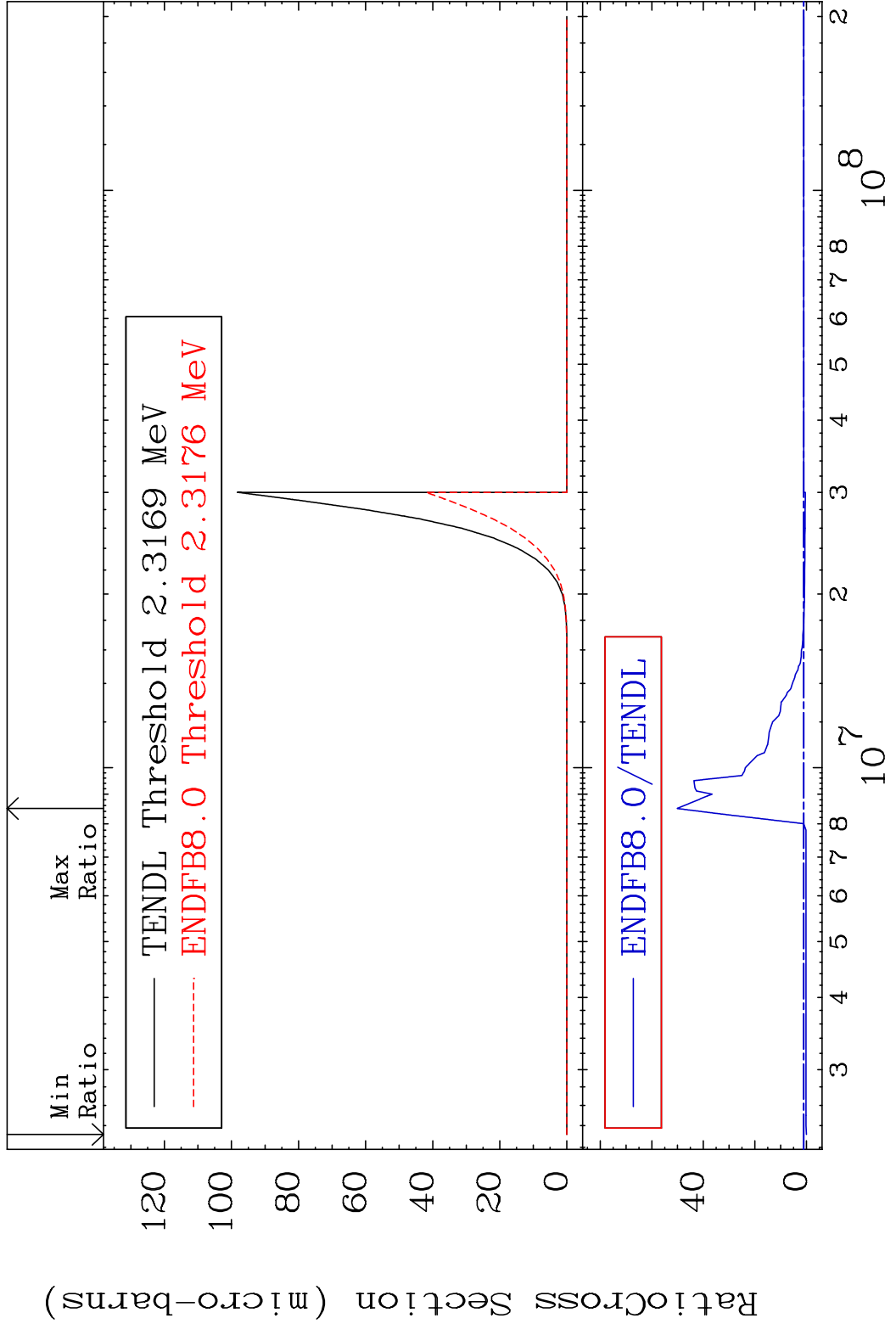
Incident Energy (eV)

48-Cd-109

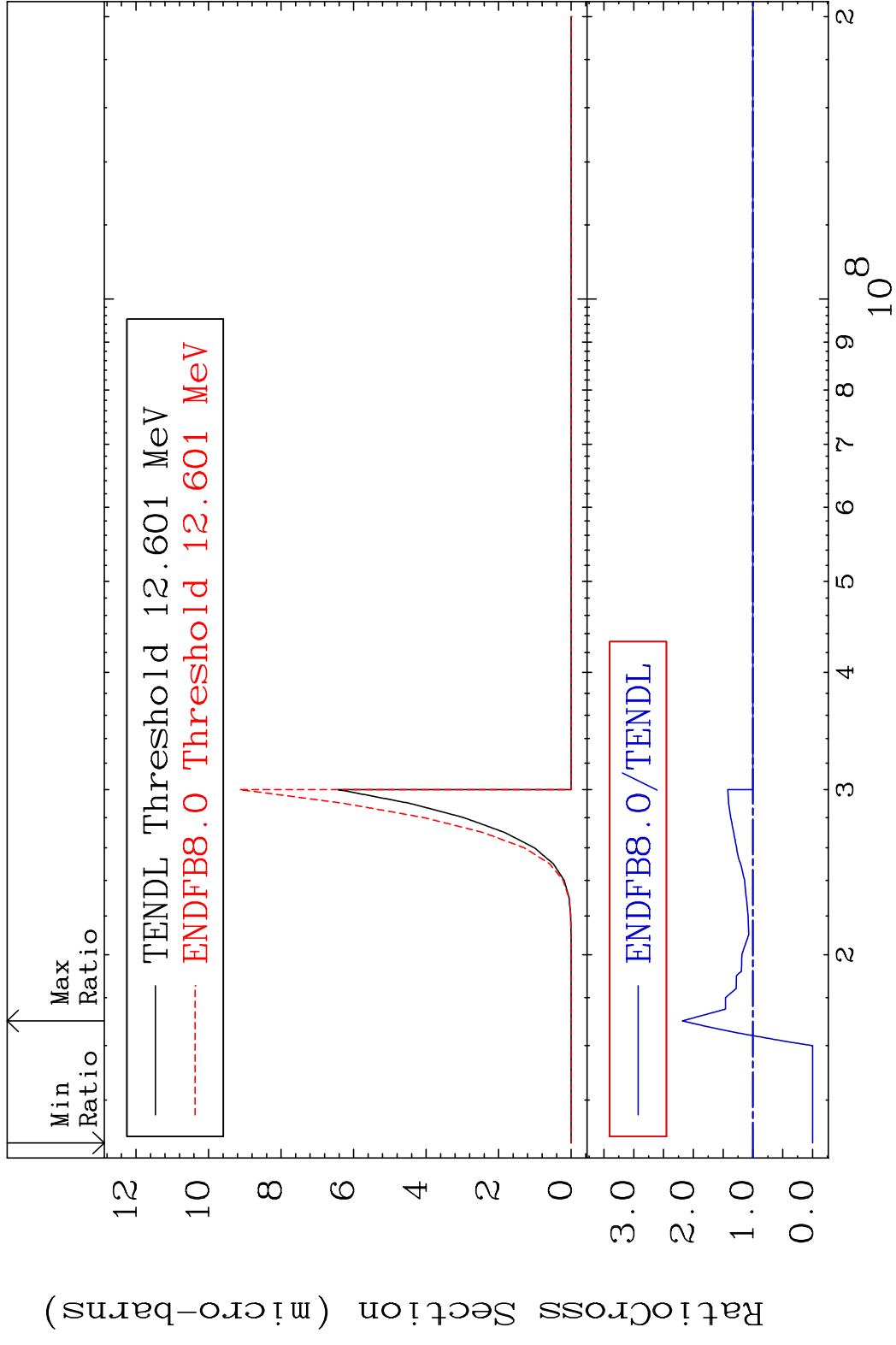
MAT 4834 (n,2p) 48-Cd-109
 Cross Section -49.86 To 0.000 %



MAT 4834 (n,p) α 48-Cd-109
 Cross Section -100.0 To 4914. %

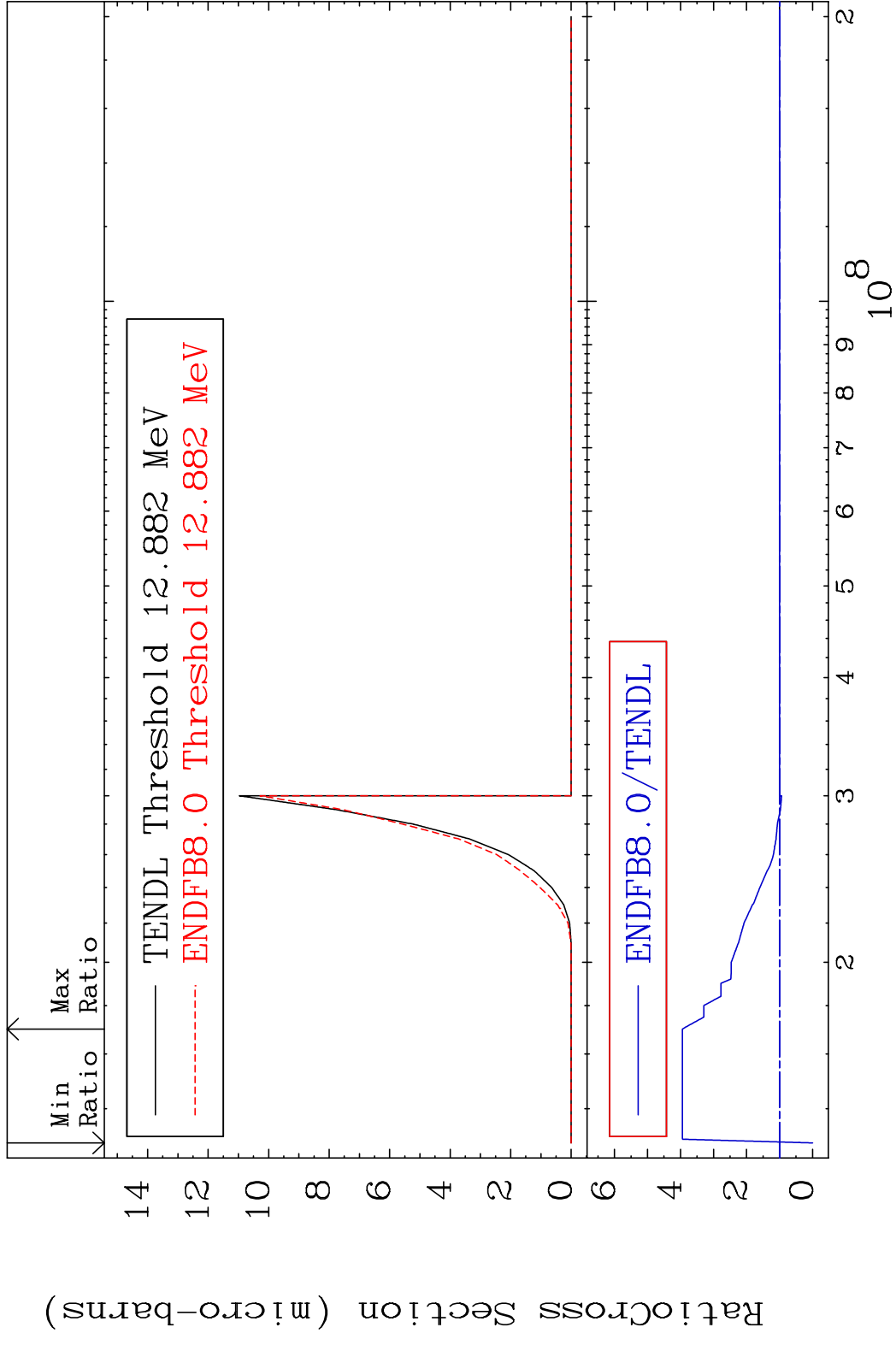


MAT 4834 (n,p) d 48-Cd-109
 Cross Section -100.0 To 118.5 %



60 Incident Energy (eV) 48-Cd-109

MAT 4834 (n,p) t 48-Cd-109
 Cross Section -100.0 To 294.4 %

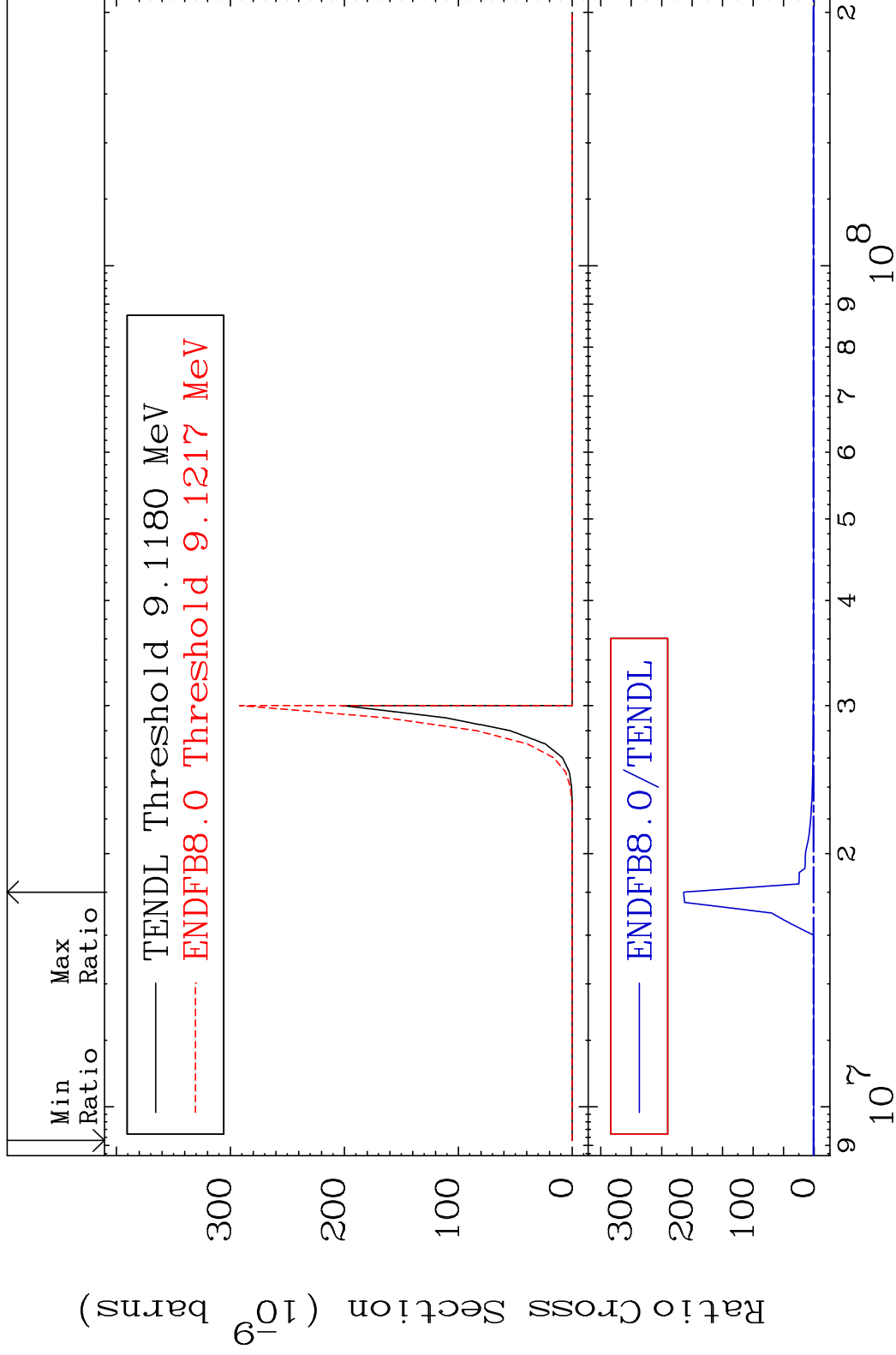


MAT 4834

(n,d) α

48-Cd-109

Cross Section -100.0 To 9999. %



62

Incident Energy (eV)

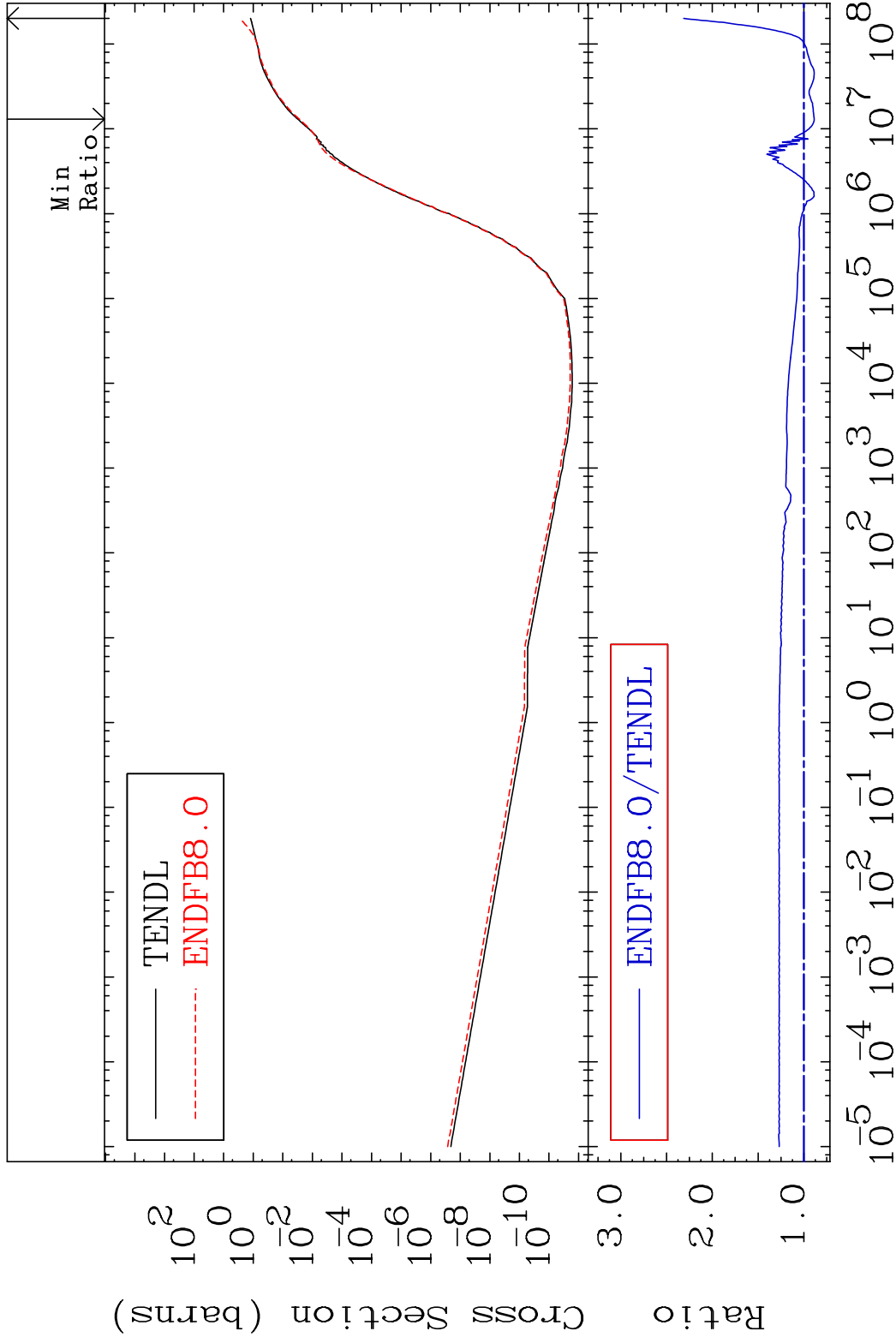
48-Cd-109

MAT 4834

Hydrogen Production

48-Cd-109

Cross Section -11.23 To 131.3 %

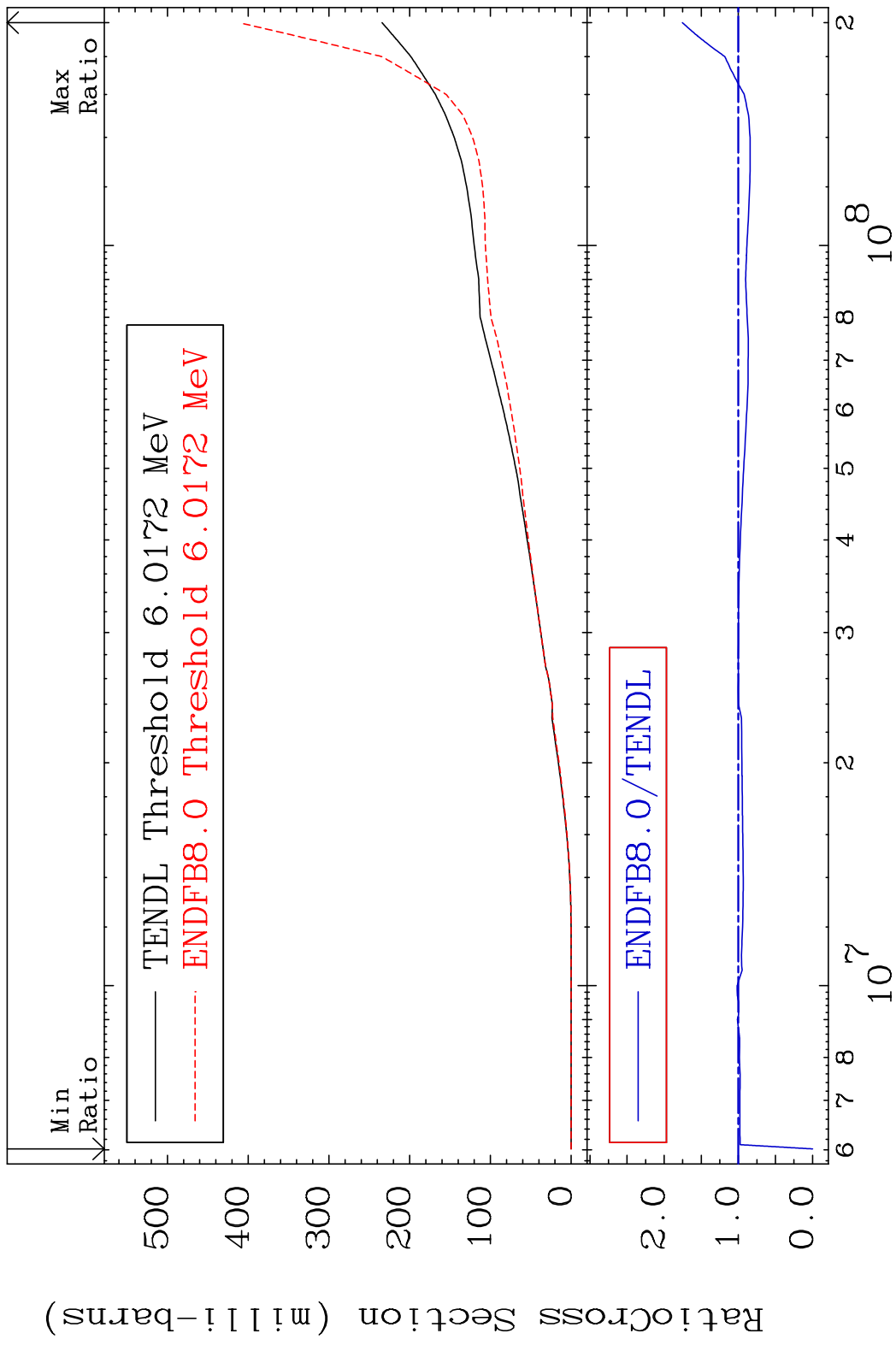


63

Incident Energy (eV)

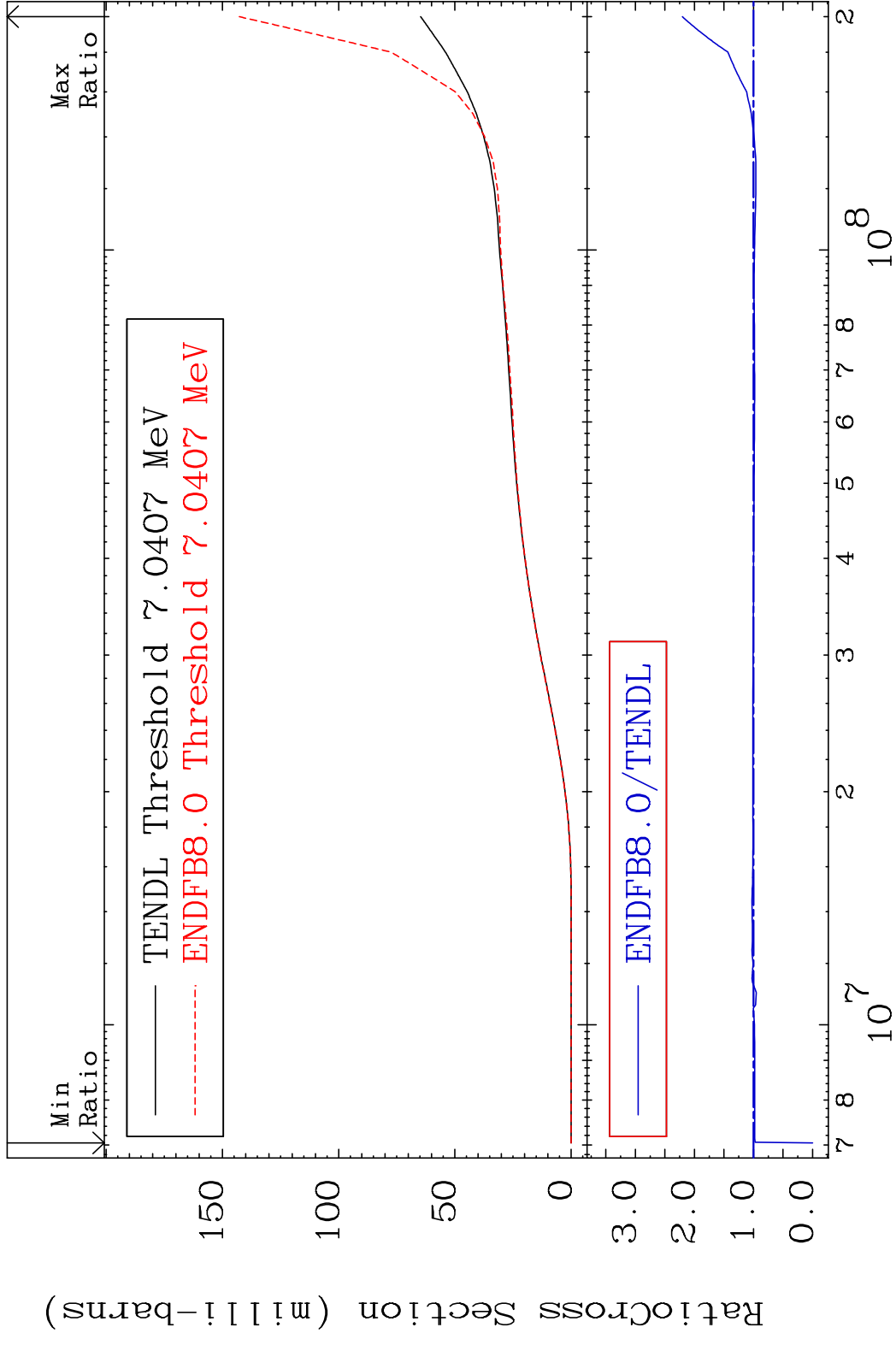
48-Cd-109

MAT 4834 Deuterium Production 48-Cd-109
 Cross Section -100.0 To 75.48 %



64 Incident Energy (eV) 48-Cd-109

MAT 4834 Tritium Production 48-Cd-109
 Cross Section -100.0 To 120.5 %



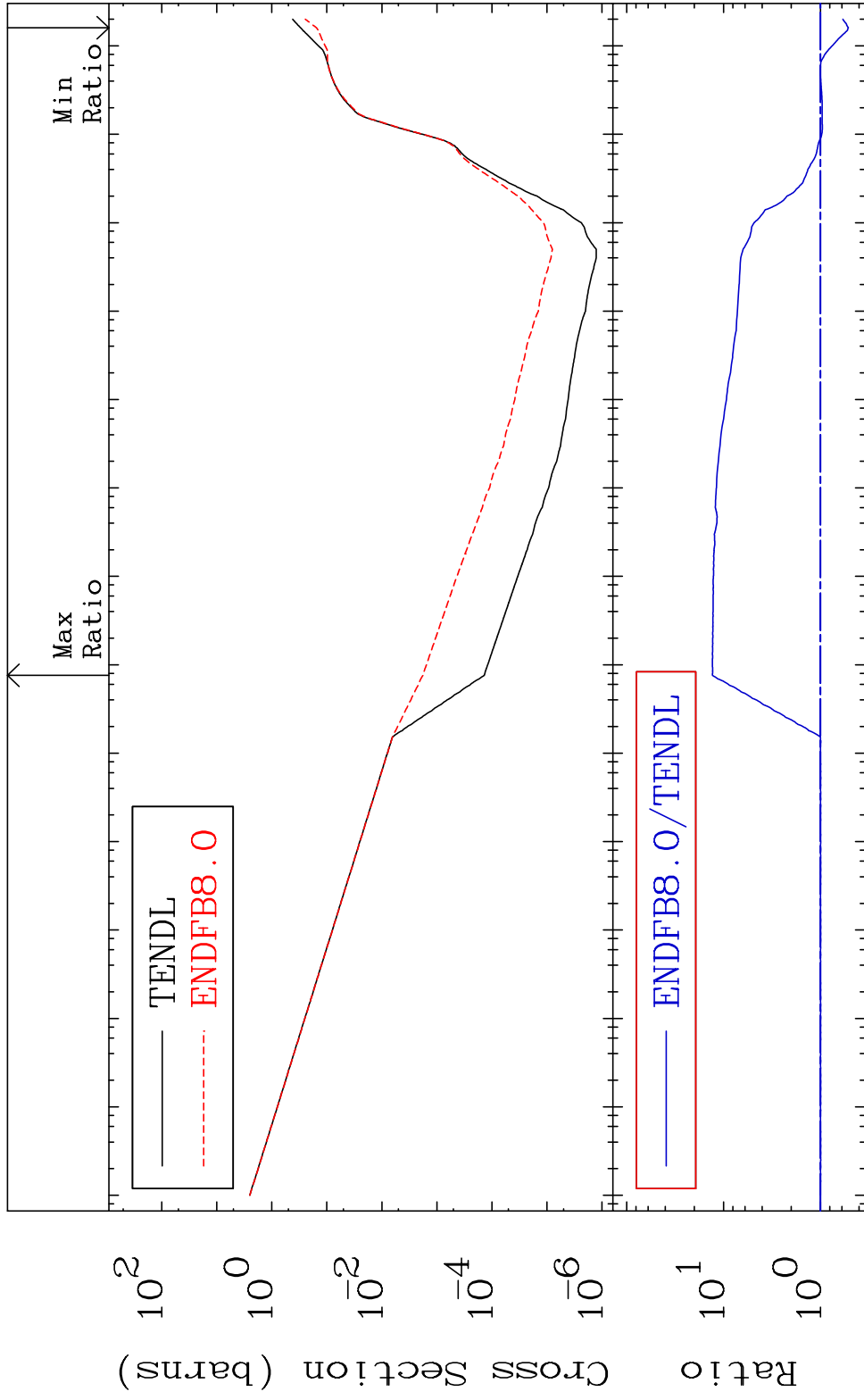
65 Incident Energy (eV) 48-Cd-109

MAT 4834

He-4 Production

48-Cd-109

Cross Section -48.47 To 1205. %

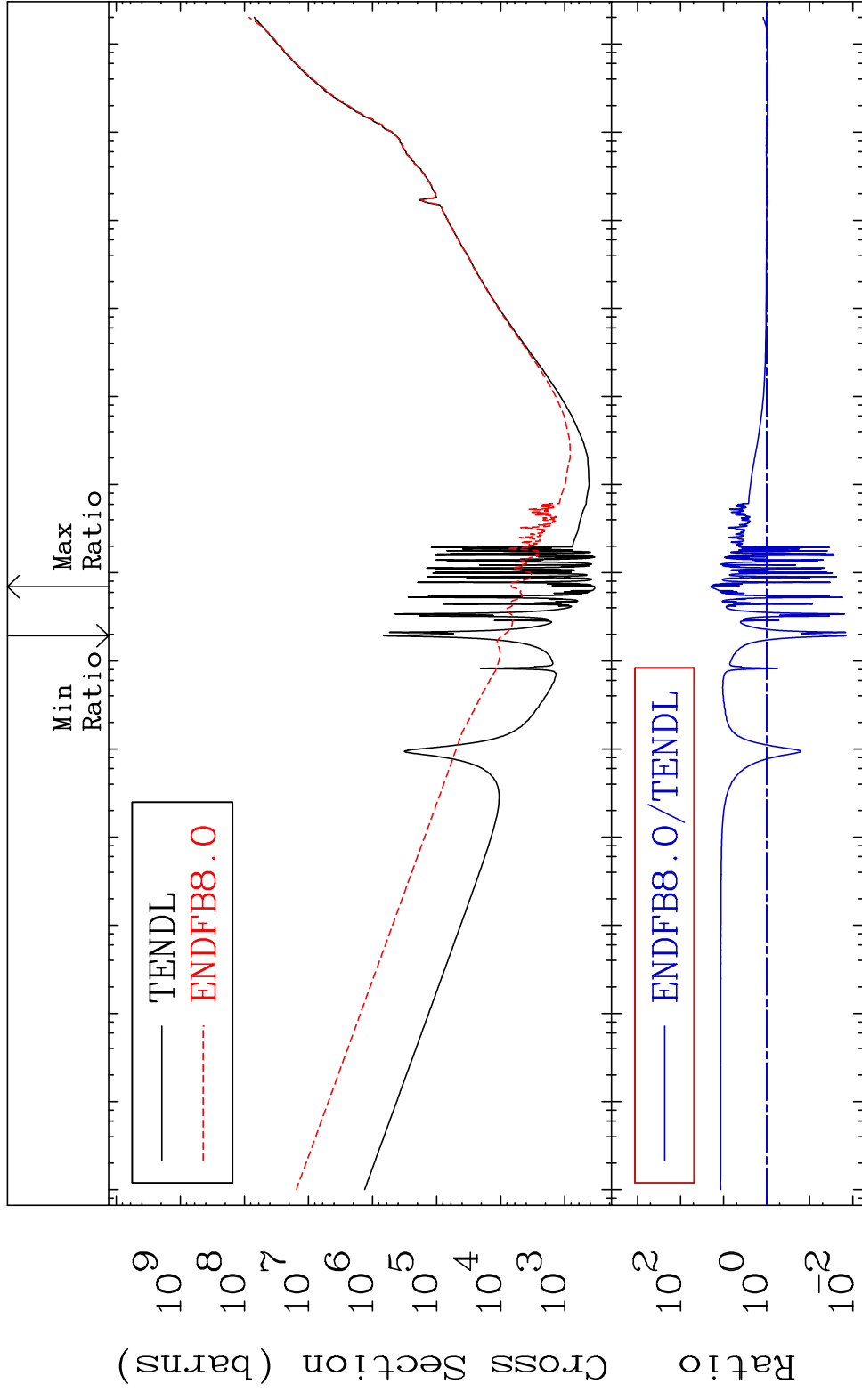


67

Incident Energy (eV)

48-Cd-109

MAT 4834 Kerma total (eV-barns) 48-Cd-109
 Cross Section -98.59 To 1890. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

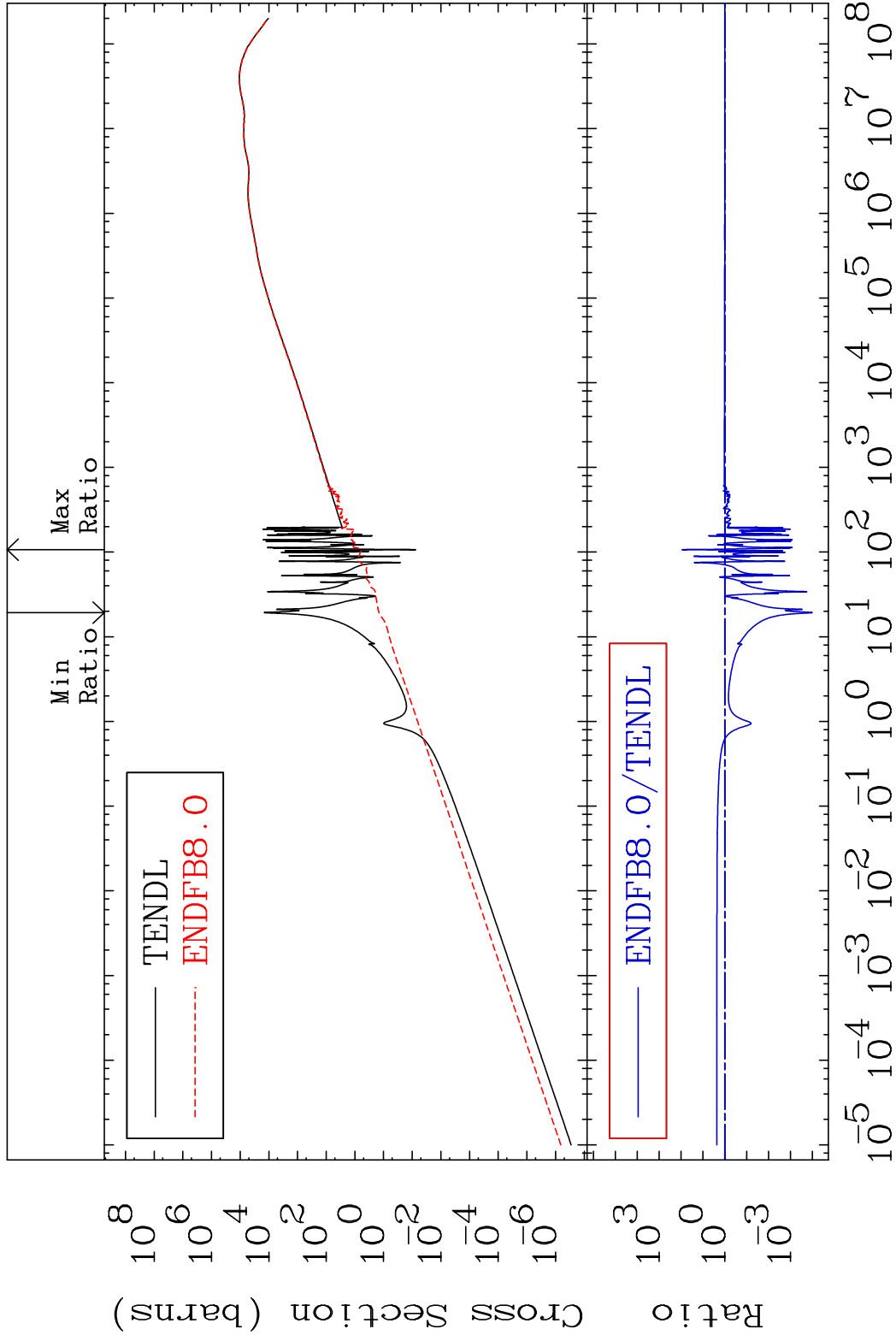
68 Incident Energy (eV) 48-Cd-109

MAT 4834

Kerma elastic

48-Cd-109

Cross Section -99.99 To 8619. %

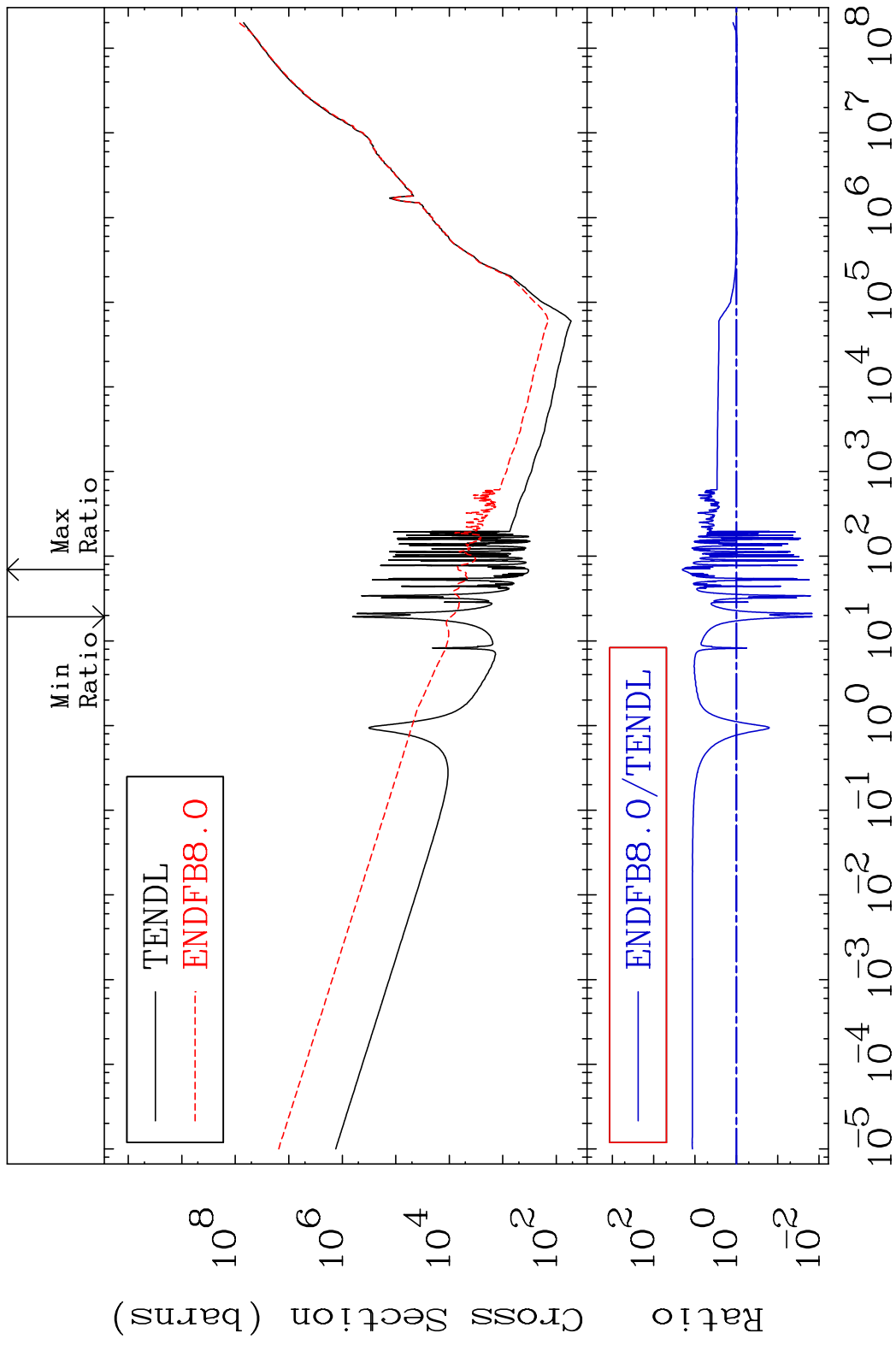


69

Incident Energy (eV)

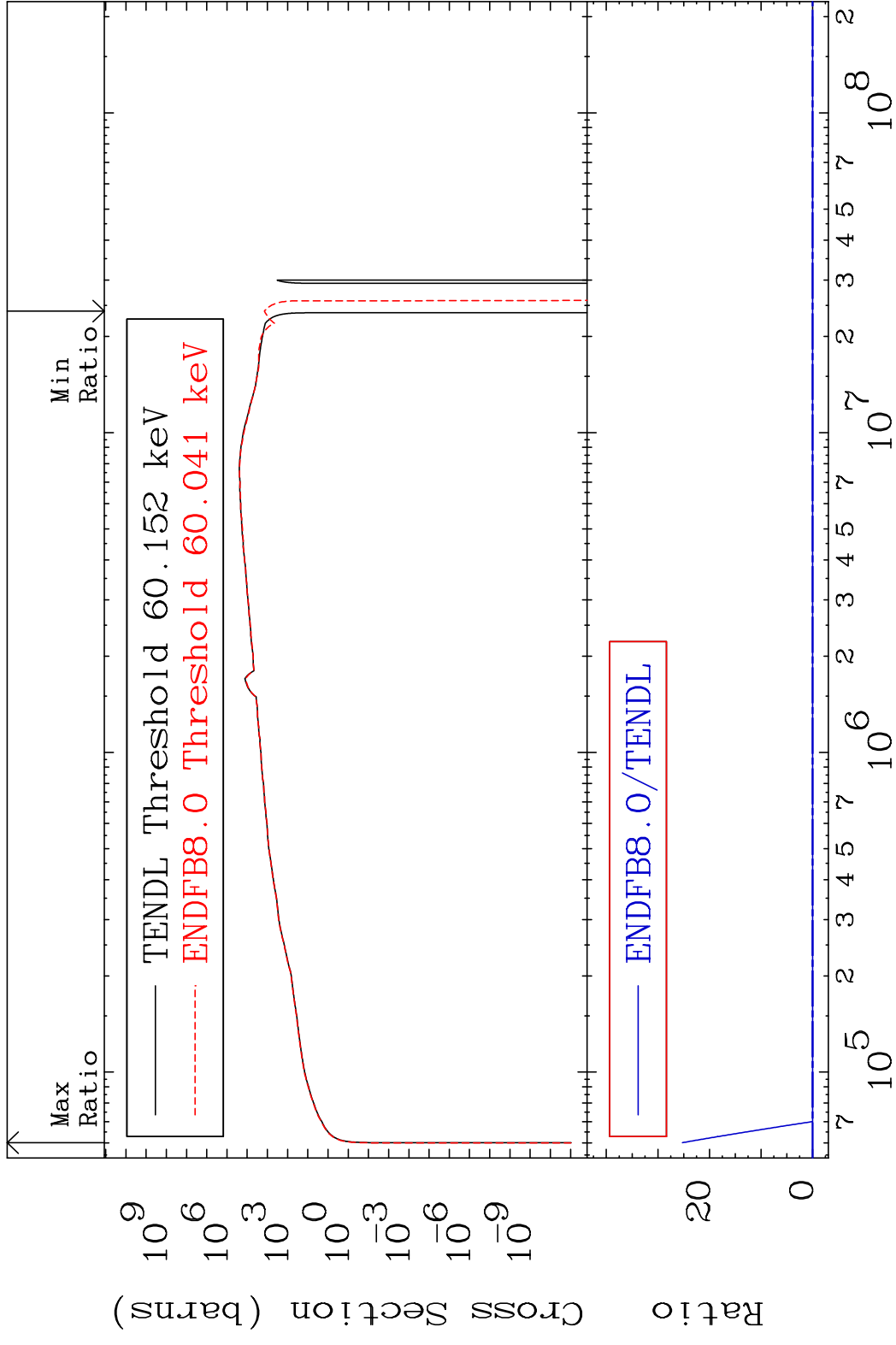
48-Cd-109

MAT 4834 Kerma non-elastic (all but mt2) 48-Cd-109
 Cross Section -98.56 To 1927. %

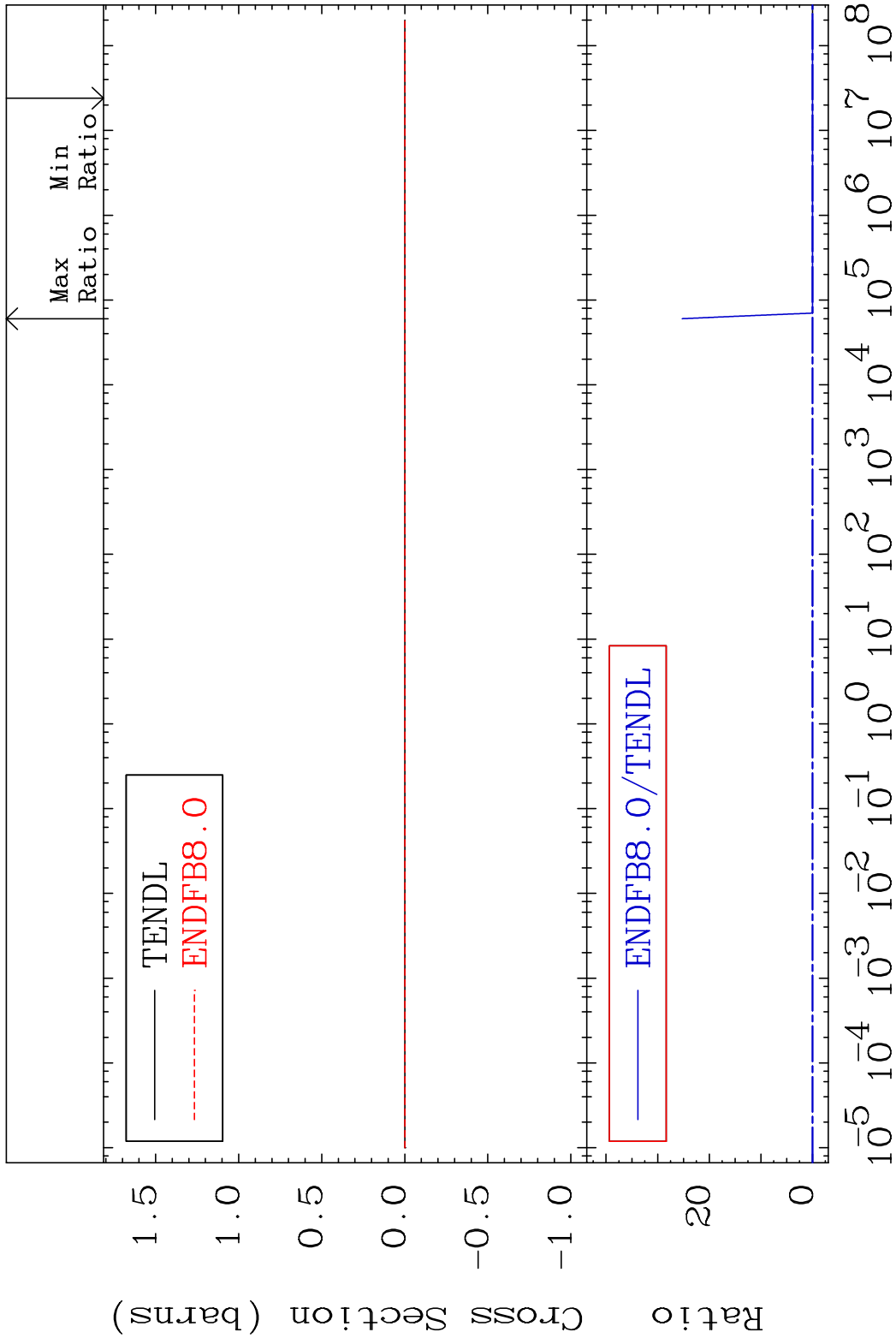


70 Incident Energy (eV) 48-Cd-109

MAT 4834 Kerma inelastic (mt51-91) 48-Cd-109
 Cross Section -836.2 To 9999. %

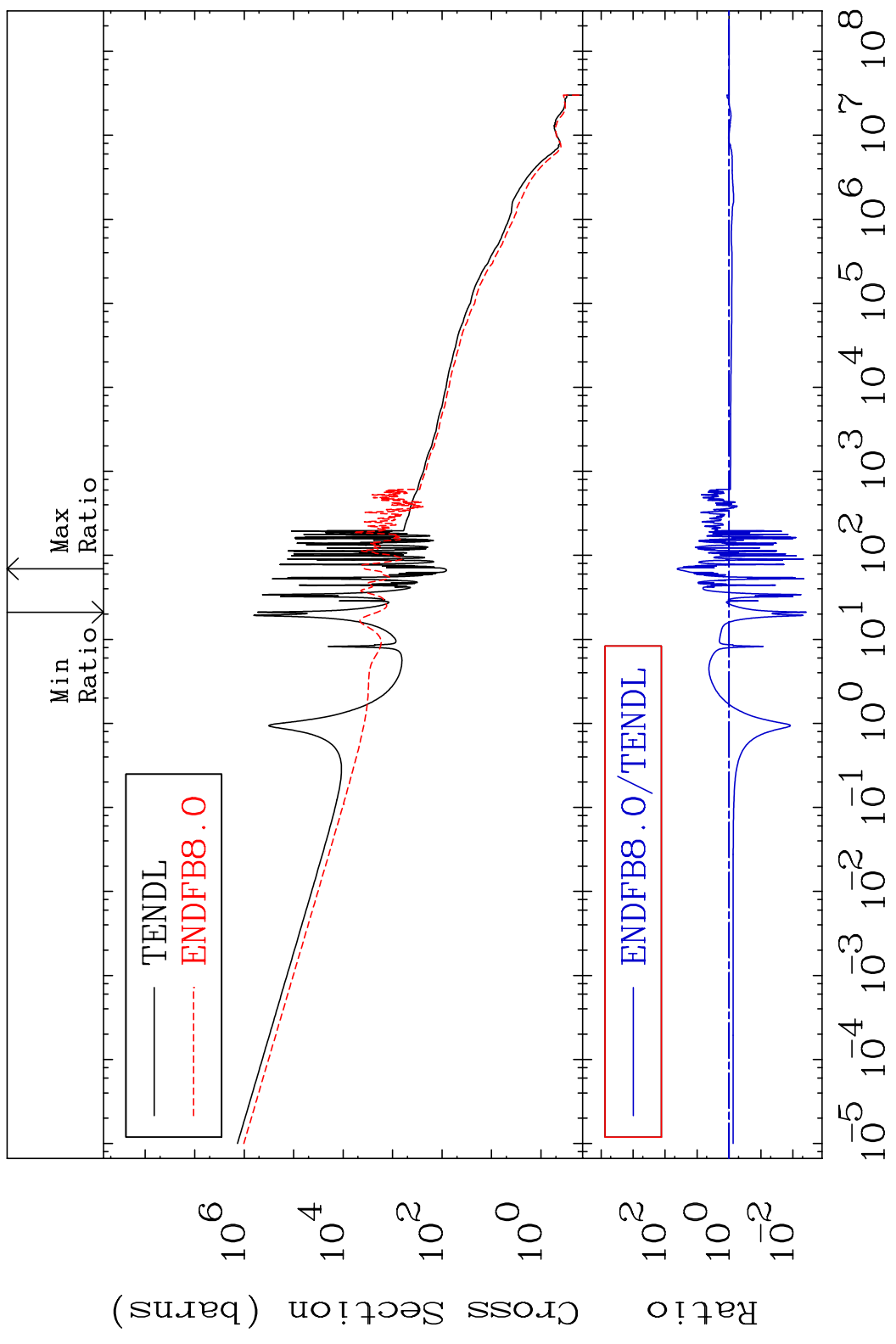


MAT 4834 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-109
 Cross Section -836.2 To 9999. %



MAT 4834

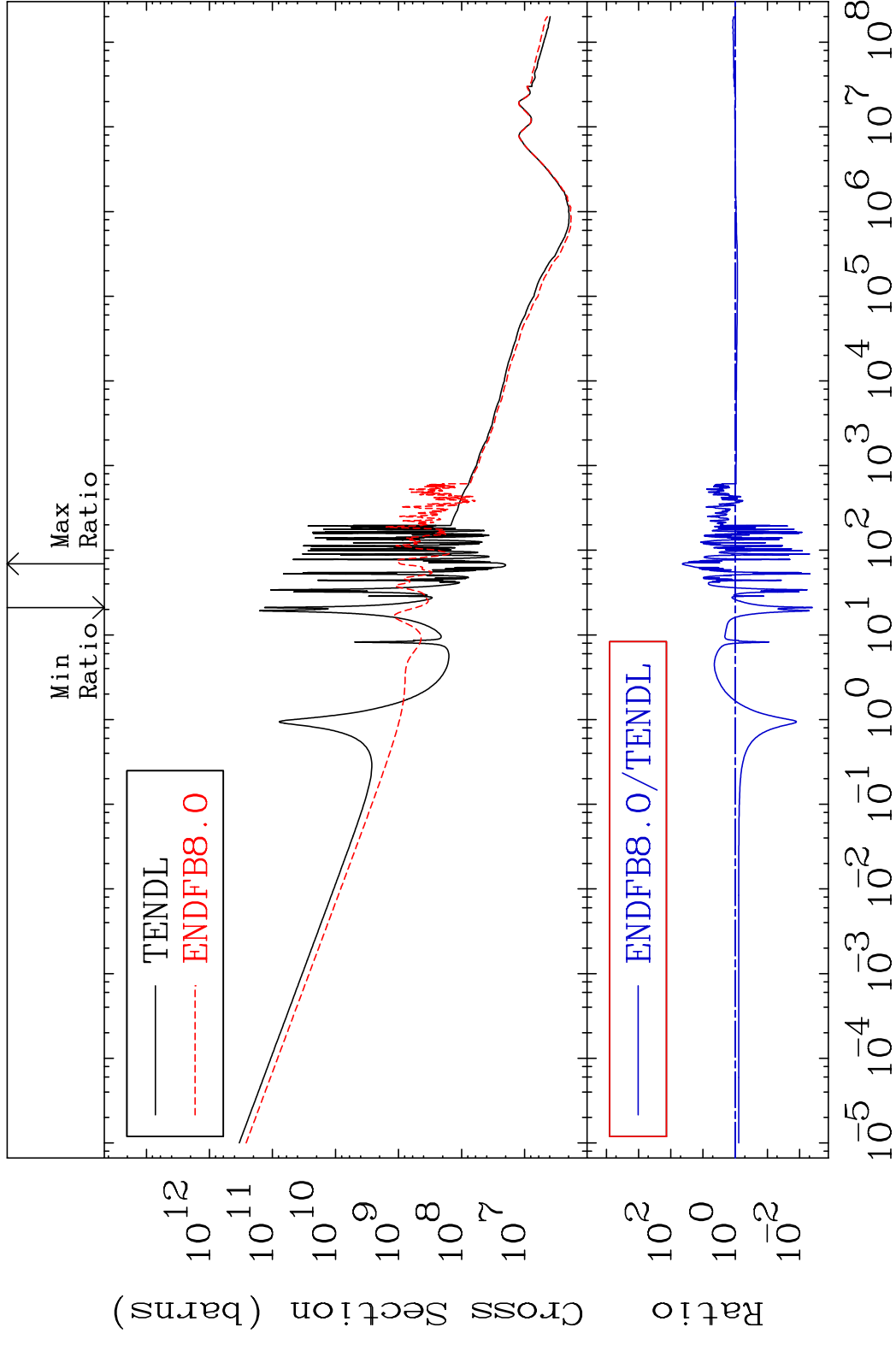
Kerma capture (mt102) 48-Cd-109
Cross Section -99.62 To 4085. %



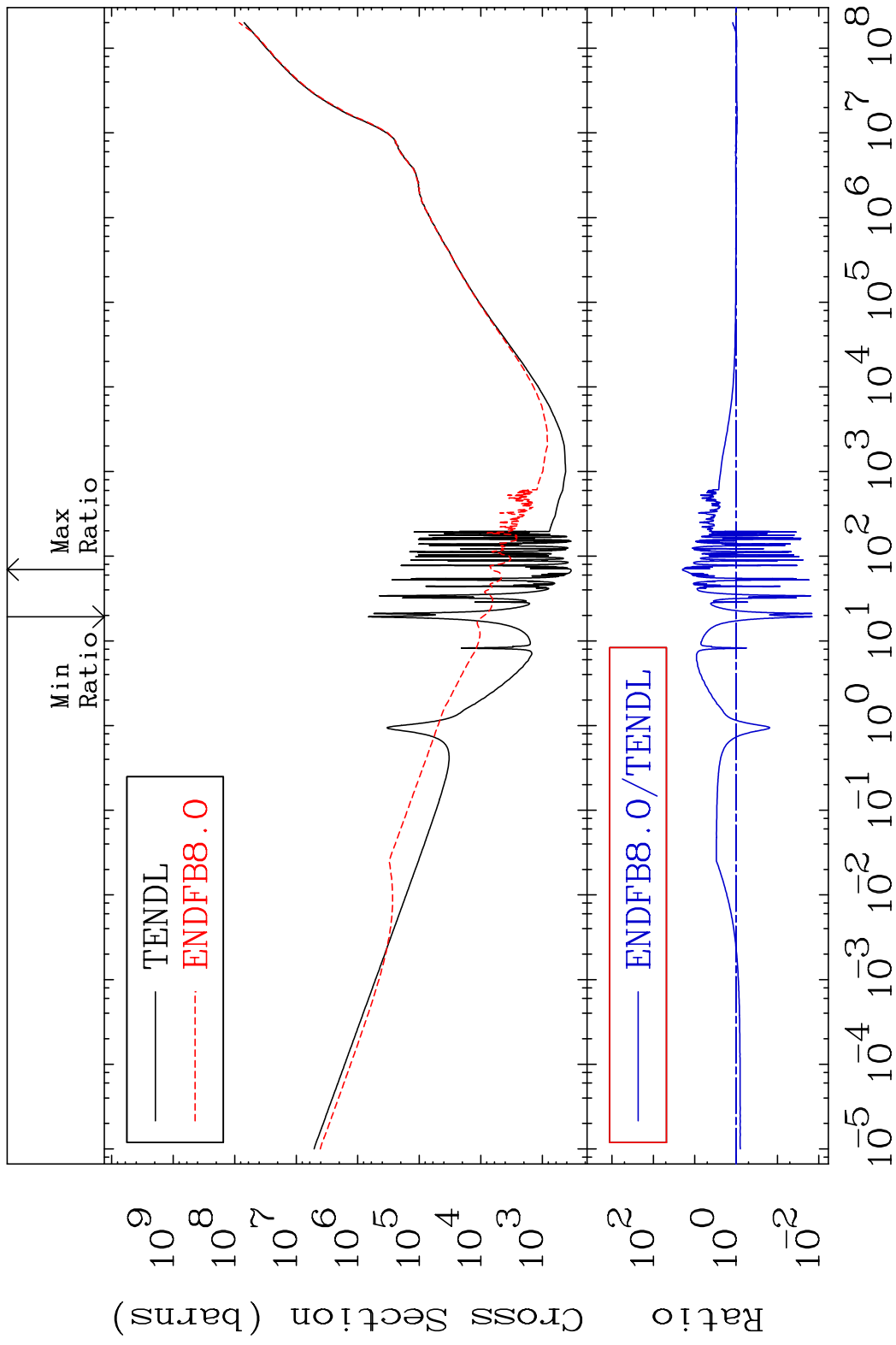
73

Incident Energy (eV) 48-Cd-109

MAT 4834 Total photon (eV-barns) 48-Cd-109
 Cross Section -99.60 To 4274. %



MAT 4834 Total kinematic kerma (high limit) 48-Cd-109
 Cross Section -98.59 To 1886. %

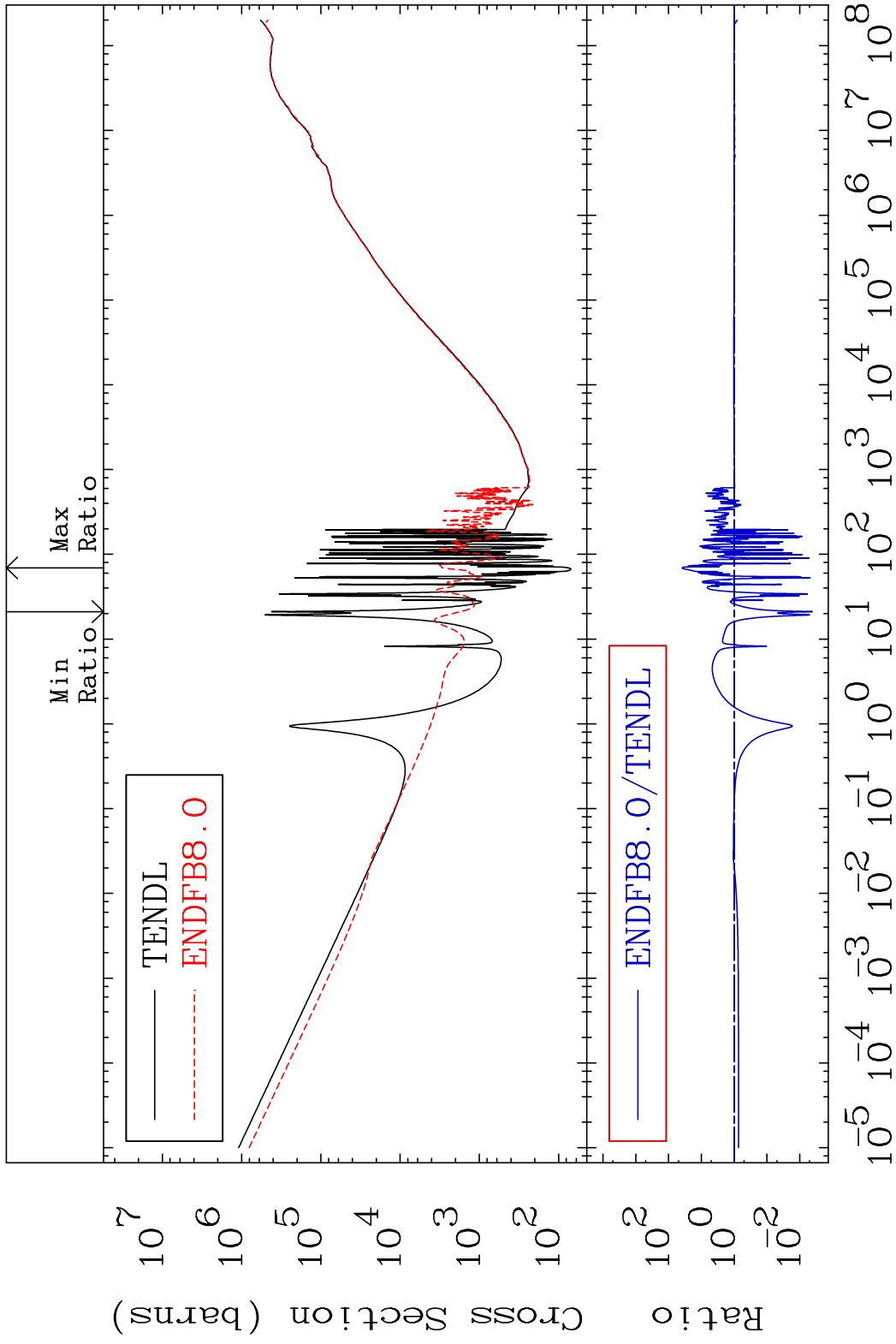


MAT 4834

Dpa total (eV-barns)

48-Cd-109

Cross Section -99.59 To 3760. %



76

Incident Energy (eV)

48-Cd-109

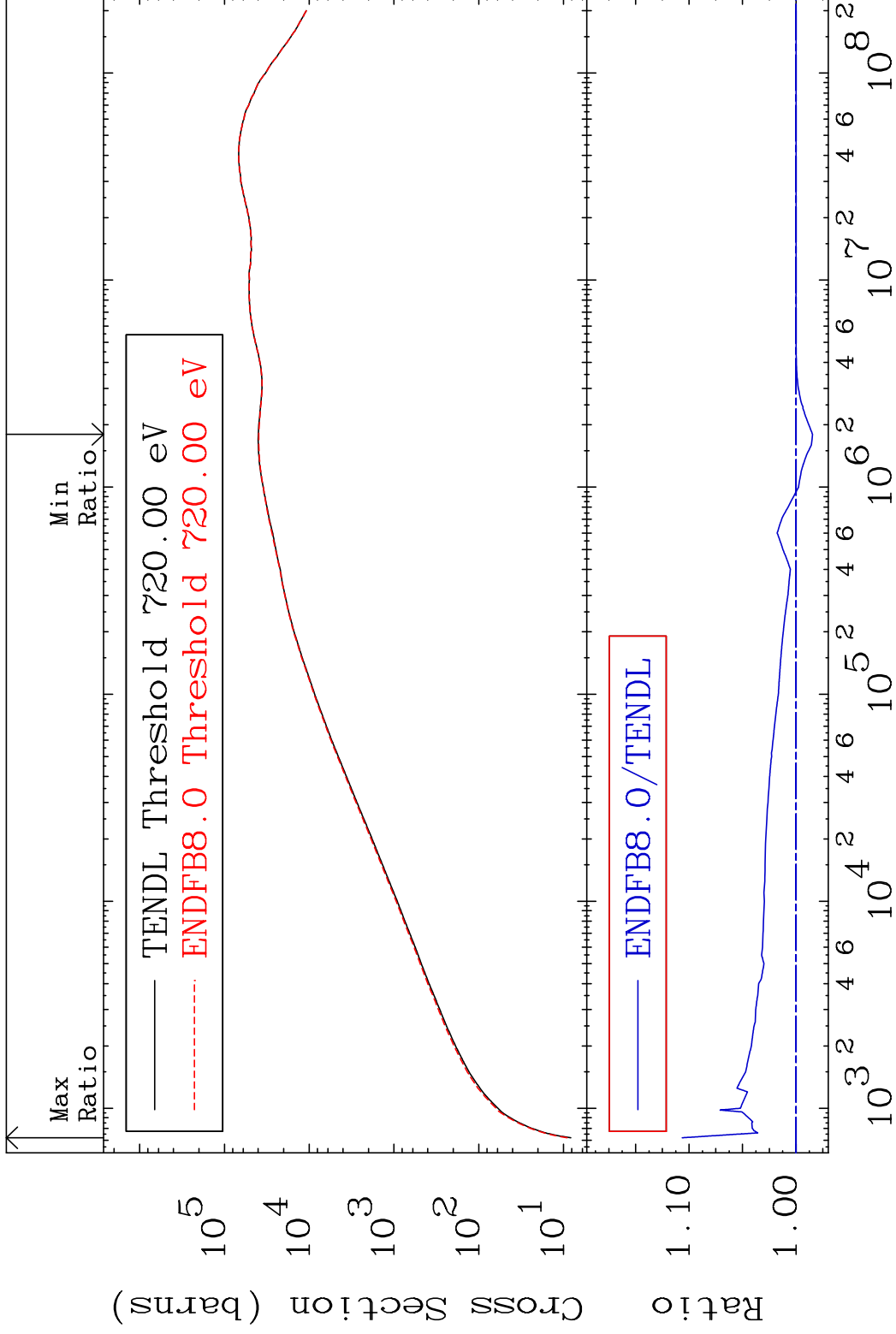
MAT 4834

Dpa elastic (mt2)

48-Cd-109

Cross Section

-1.541 To 10.65 %

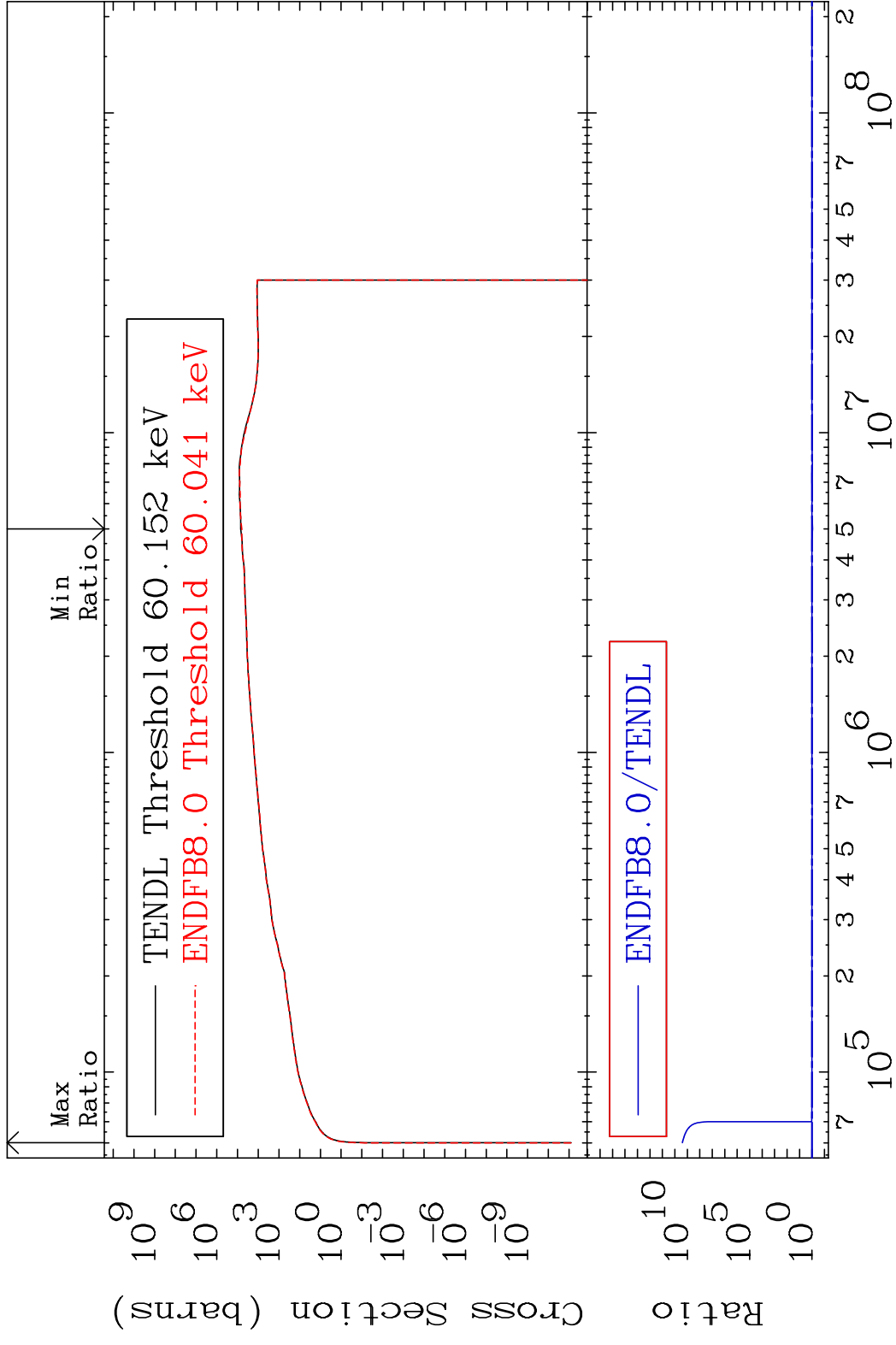


77

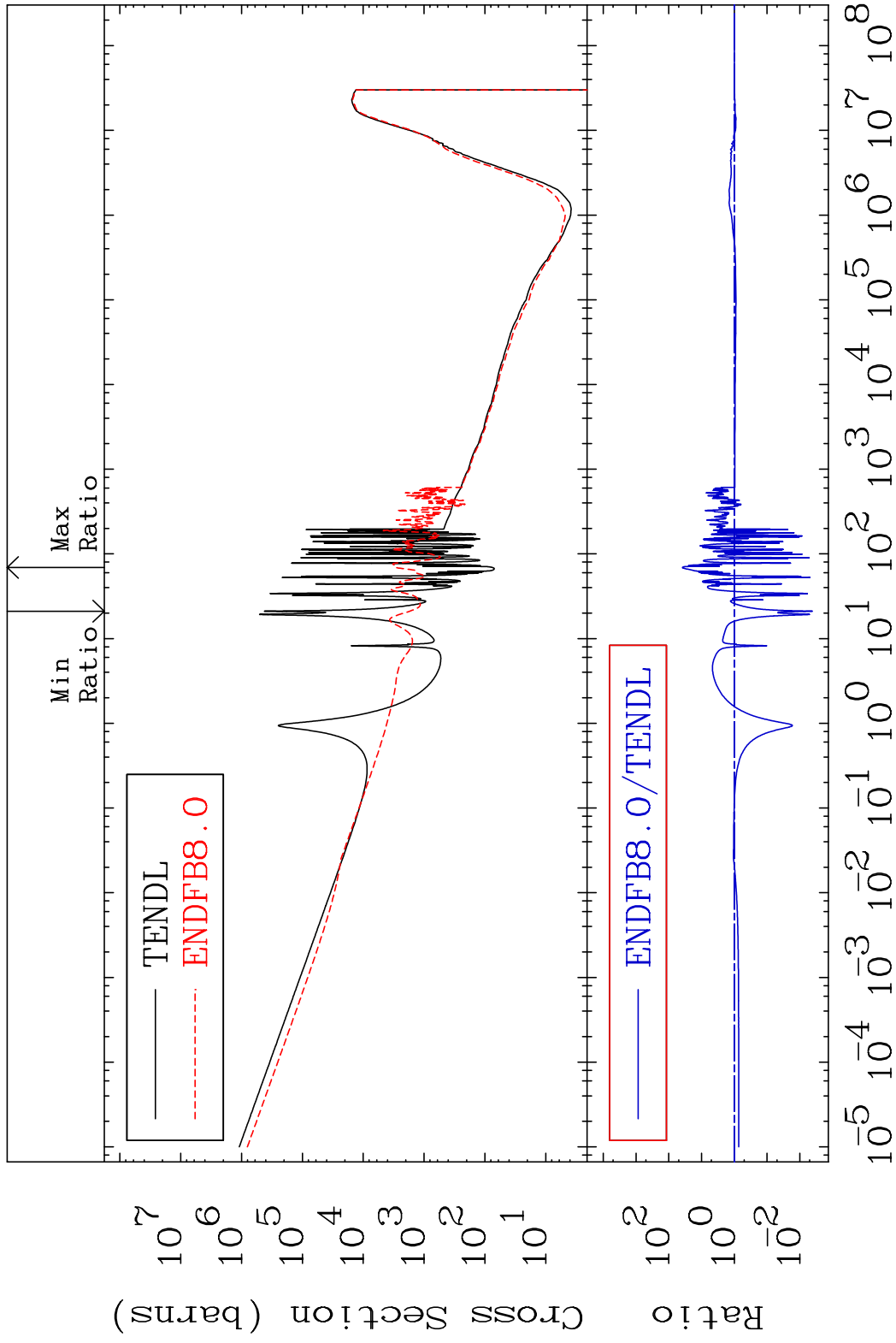
Incident Energy (eV)

48-Cd-109

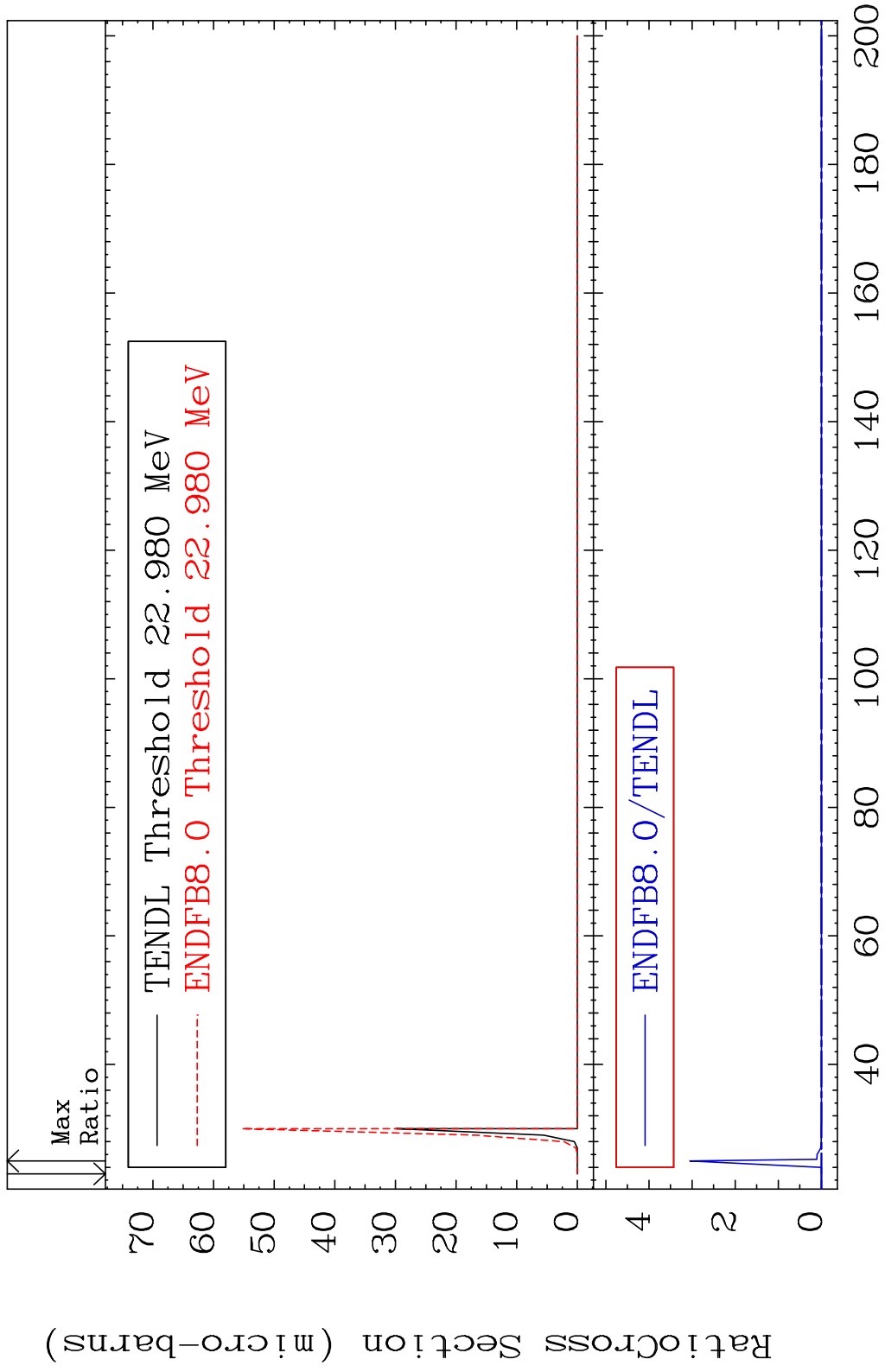
MAT 4834 Dpa inelastic (mt51-91) 48-Cd-109
 Cross Section -9.797 To 9999. %



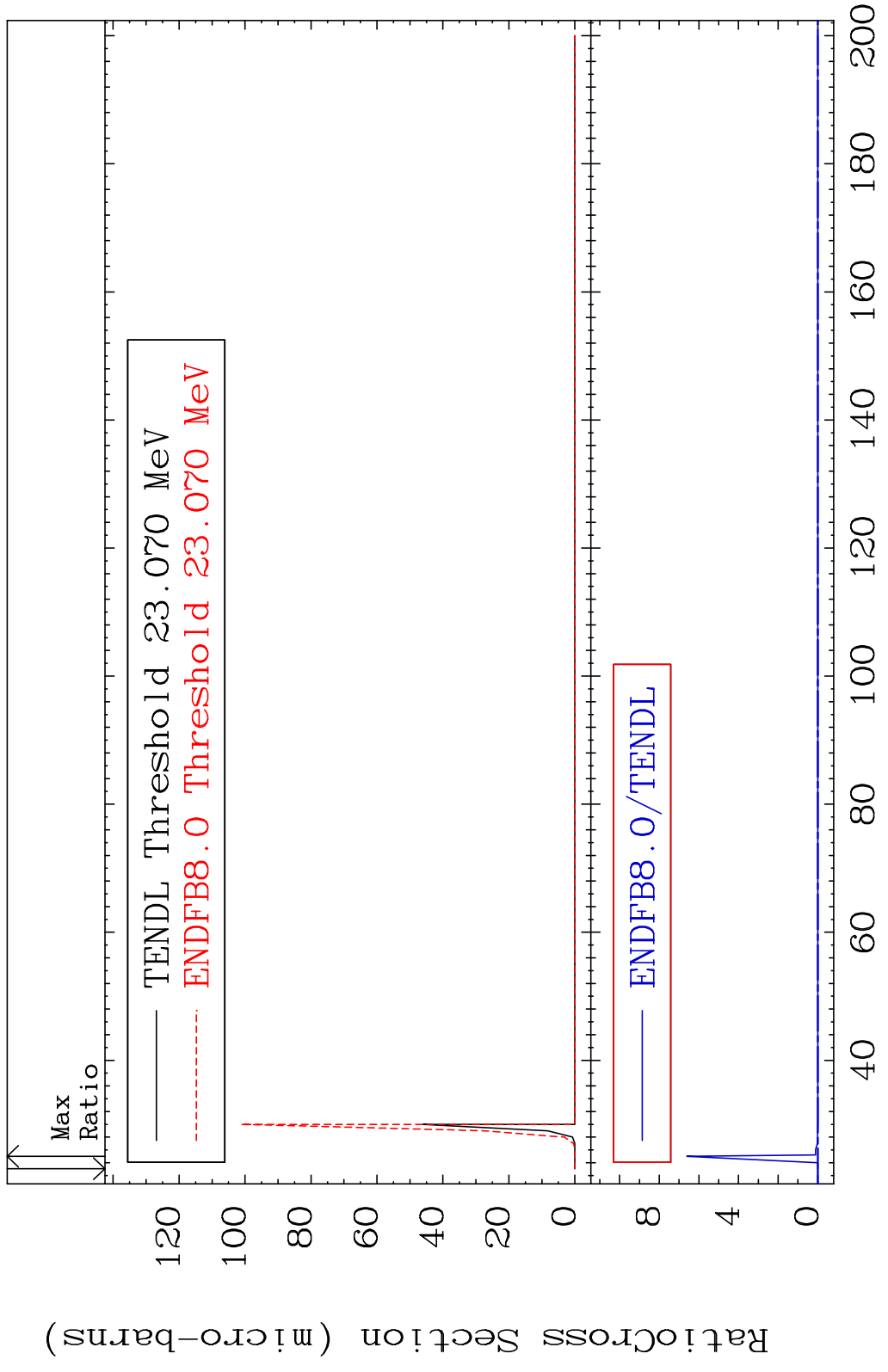
MAT 4834 Dpa disappearance (mt102 -120) 48-Cd-109
 Cross Section -99.59 To 3760. %



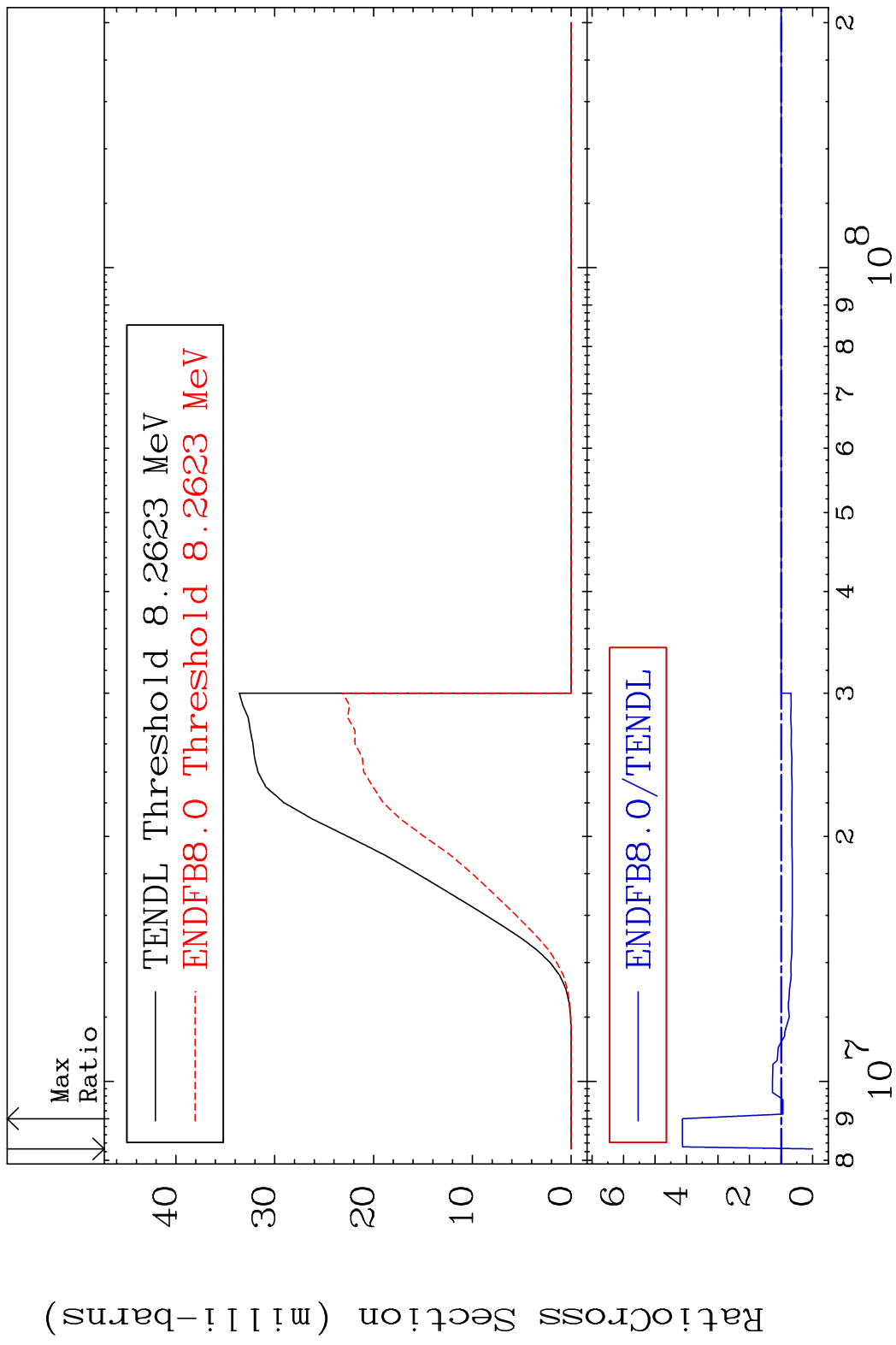
MAT 4834 (n,2n) d:47-Ag-106g 48-Cd-109
Radionuclide Production Cross Section Ratio 9999. %

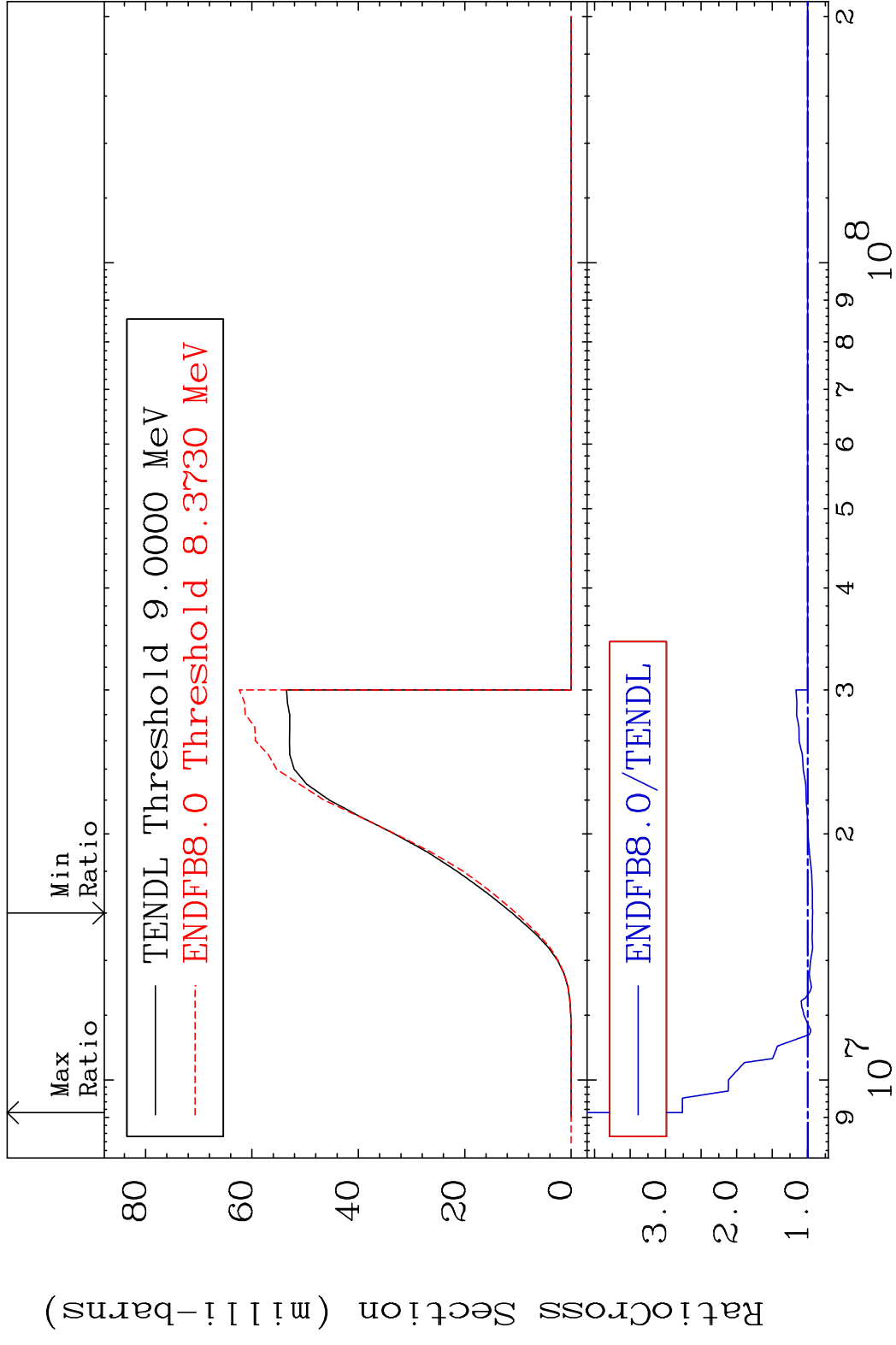


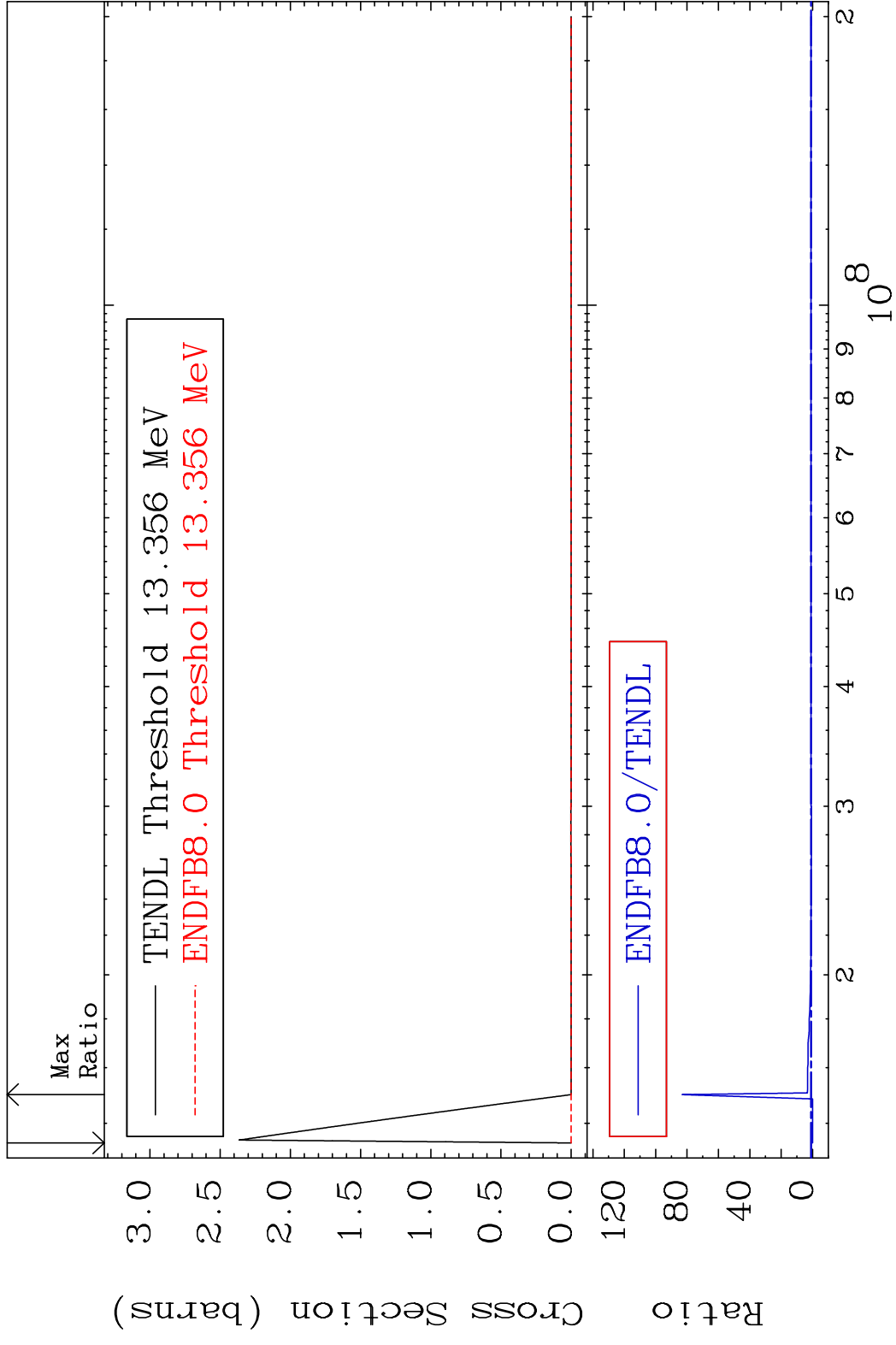
80 Incident Energy (MeV) 48-Cd-109



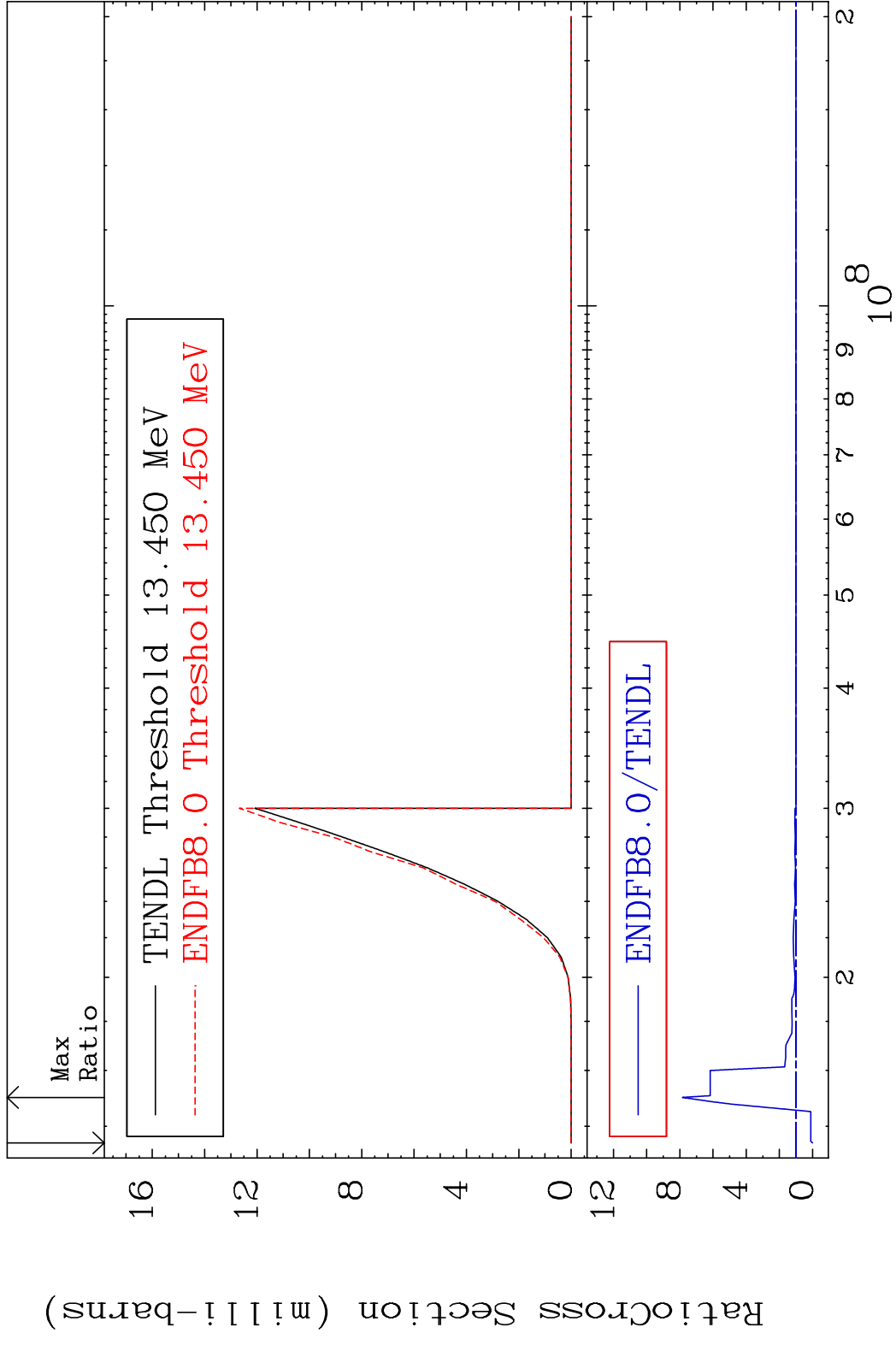
MAT 4834 (n, n') p:47-Ag-108g 48-Cd-109
 Radionuclide Production Cross Section Ratio 313.3 %



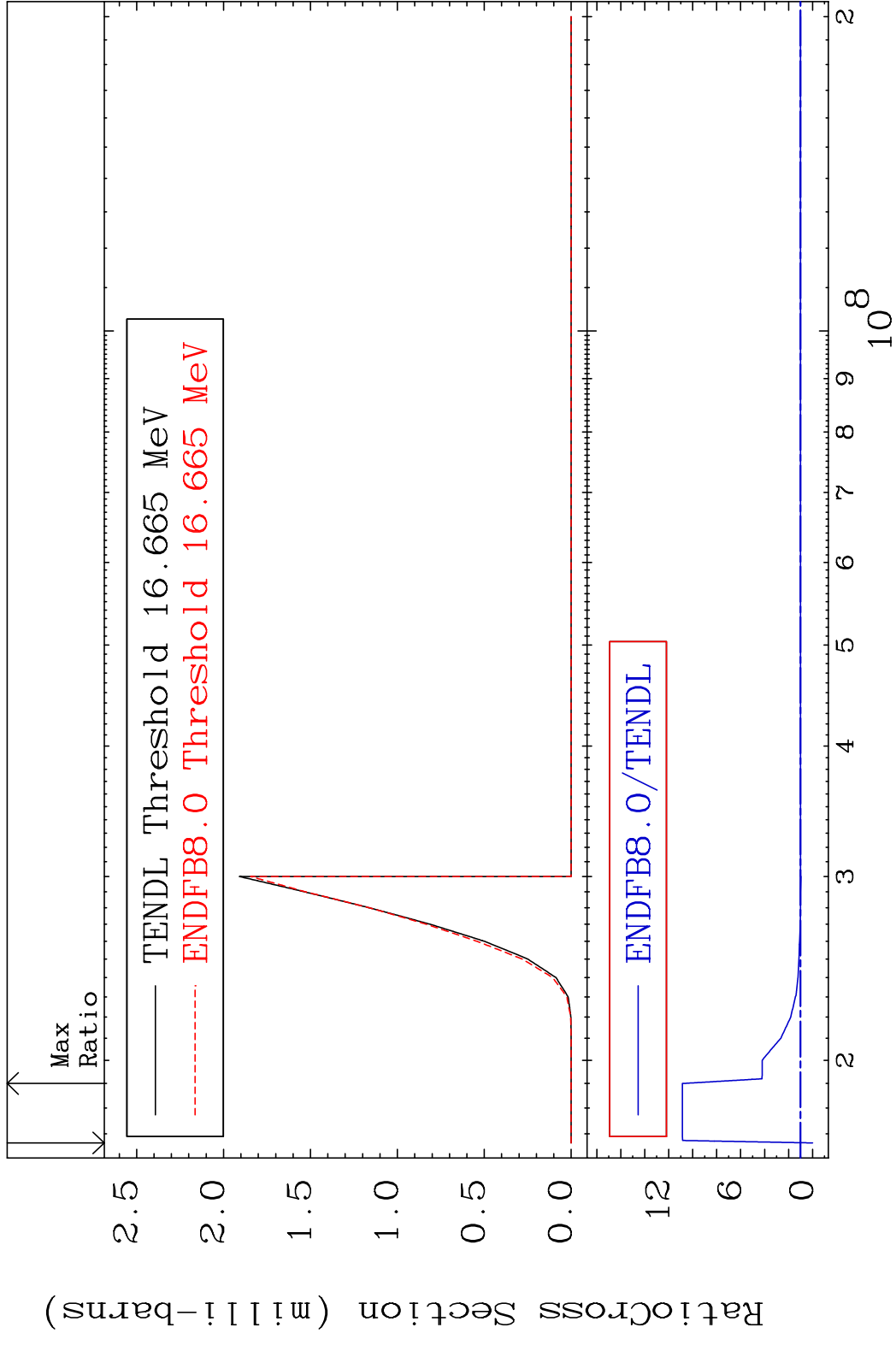




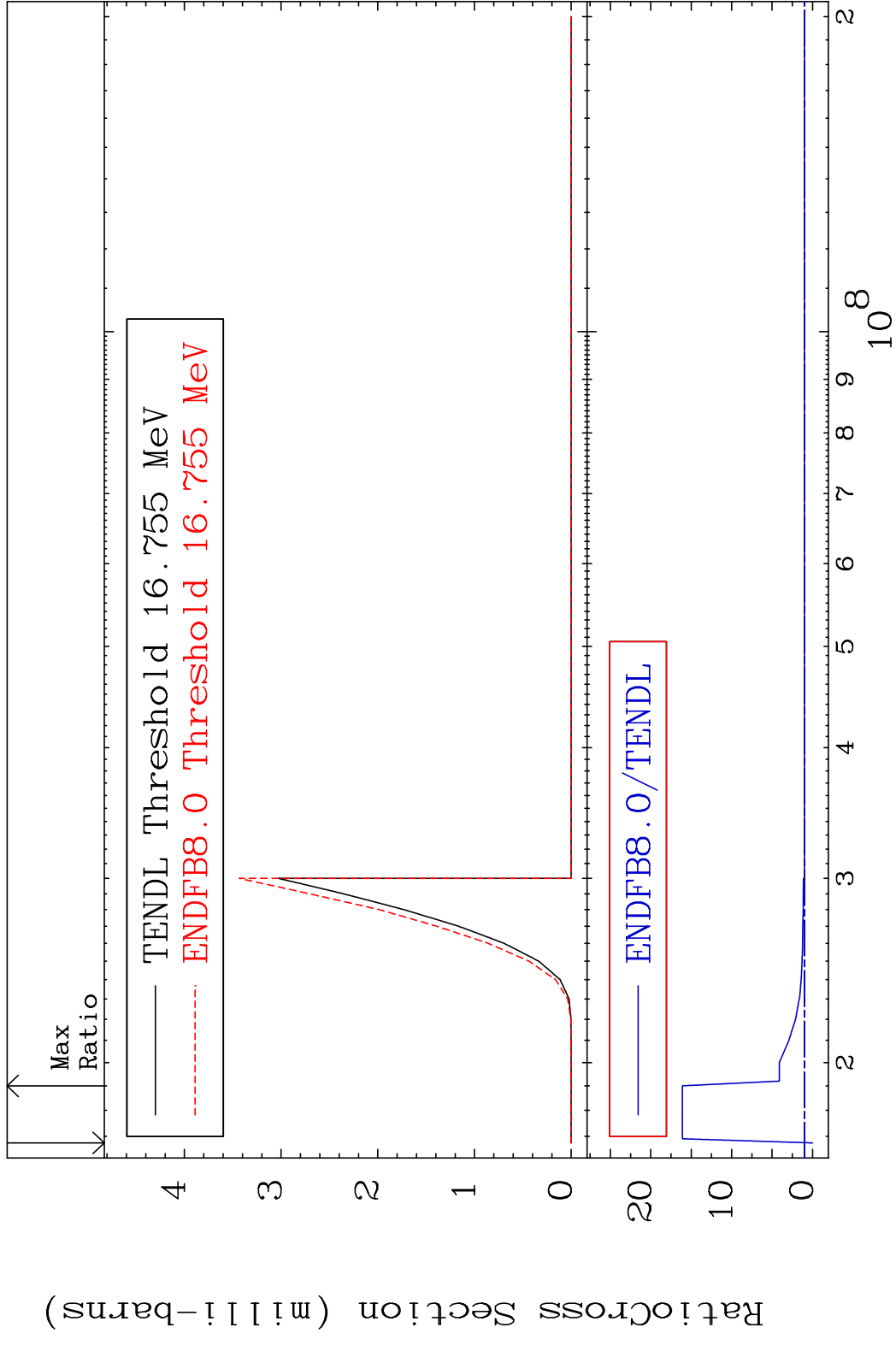
MAT 4834 (n, n') d:47-Ag-107m1 48-Cd-109
 Radionuclide Production Cross Section Ratio 684.9 %



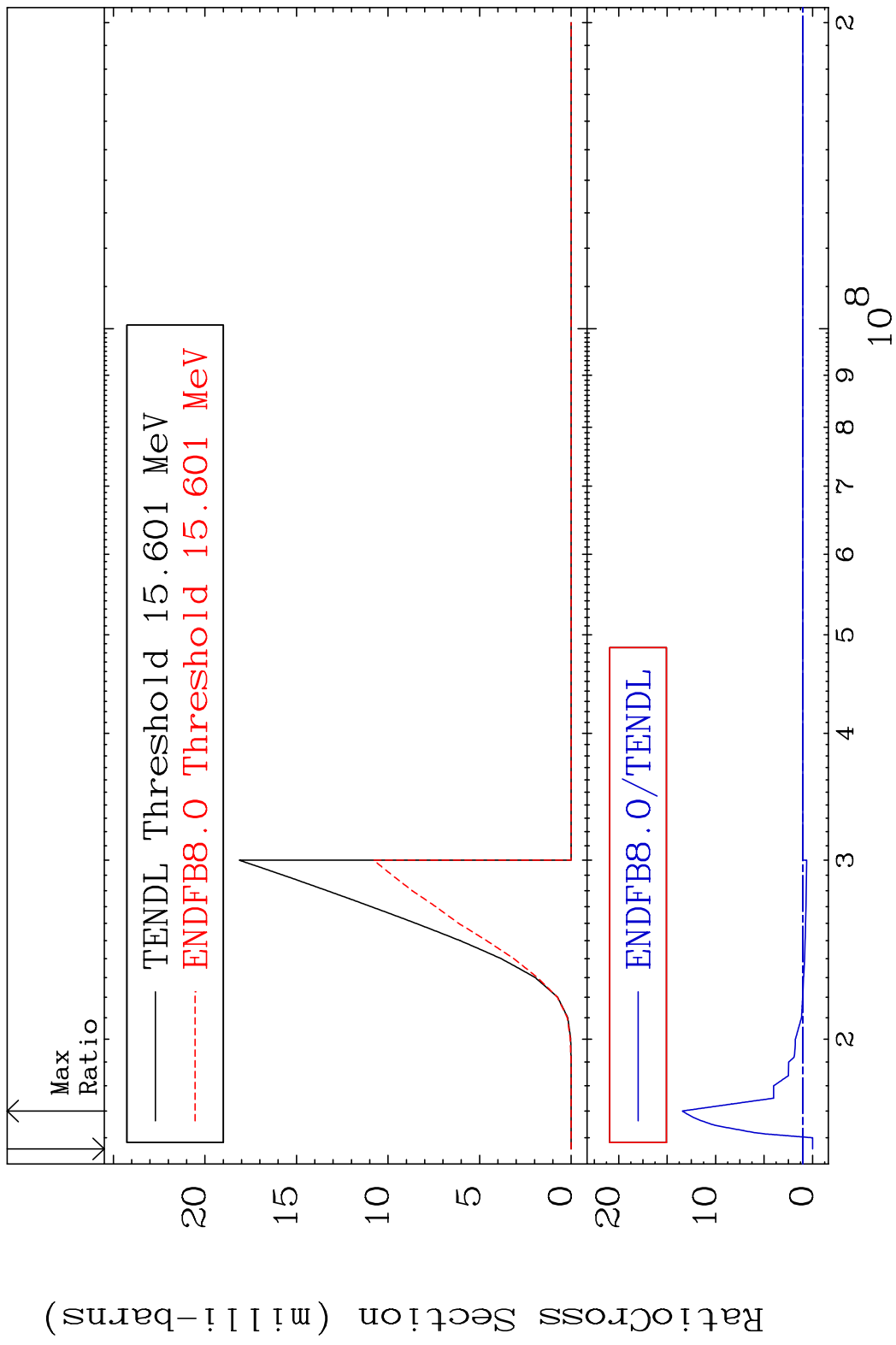
MAT 4834 (n, n') t:47-Ag-106g 48-Cd-109
 Radionuclide Production Cross Section 186.01 dth 986.1 %

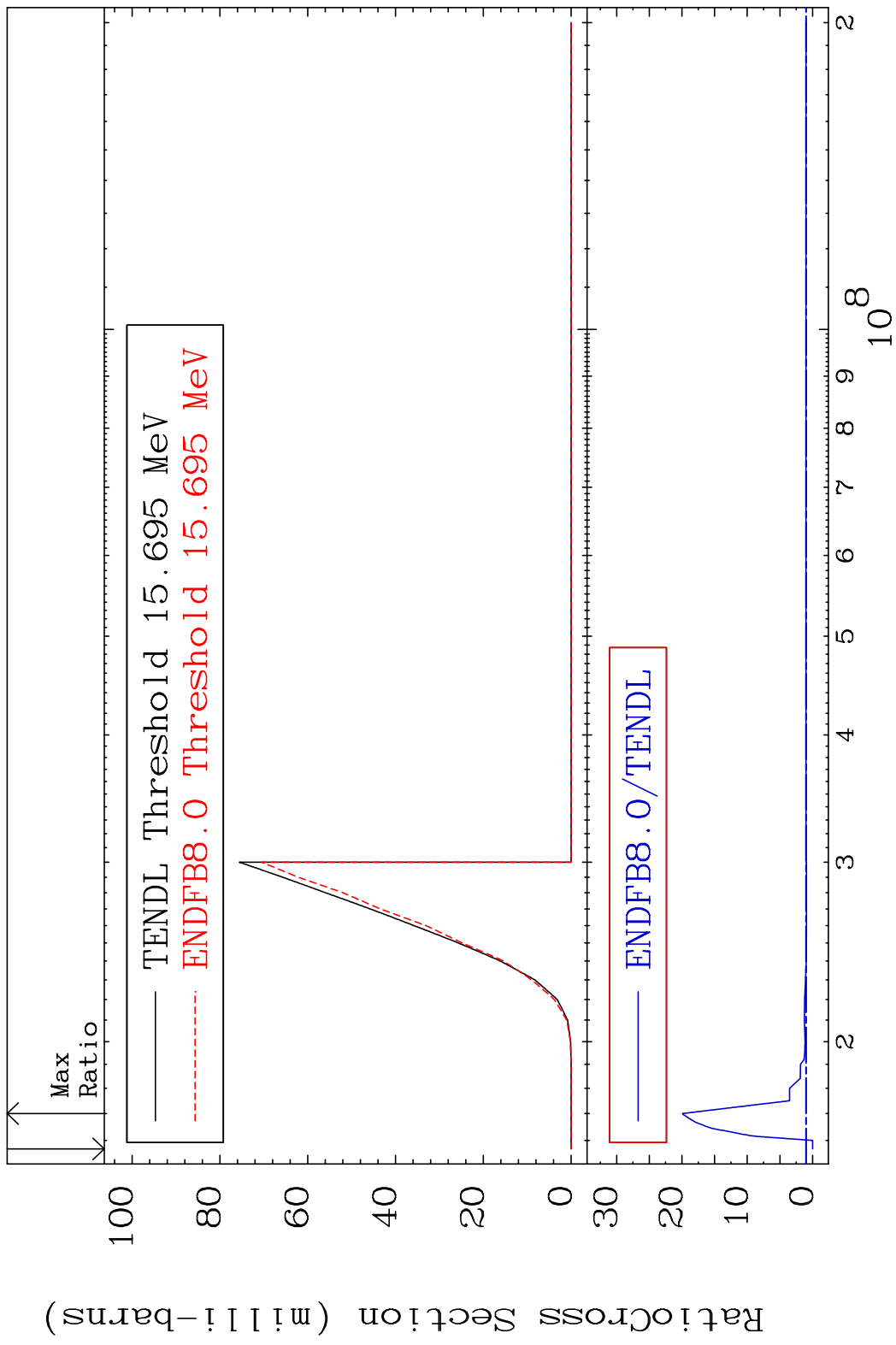


MAT 4834 (n, n') t:47-Ag-106m1 48-Cd-109
 Radionuclide Production Cross Section 1509. %

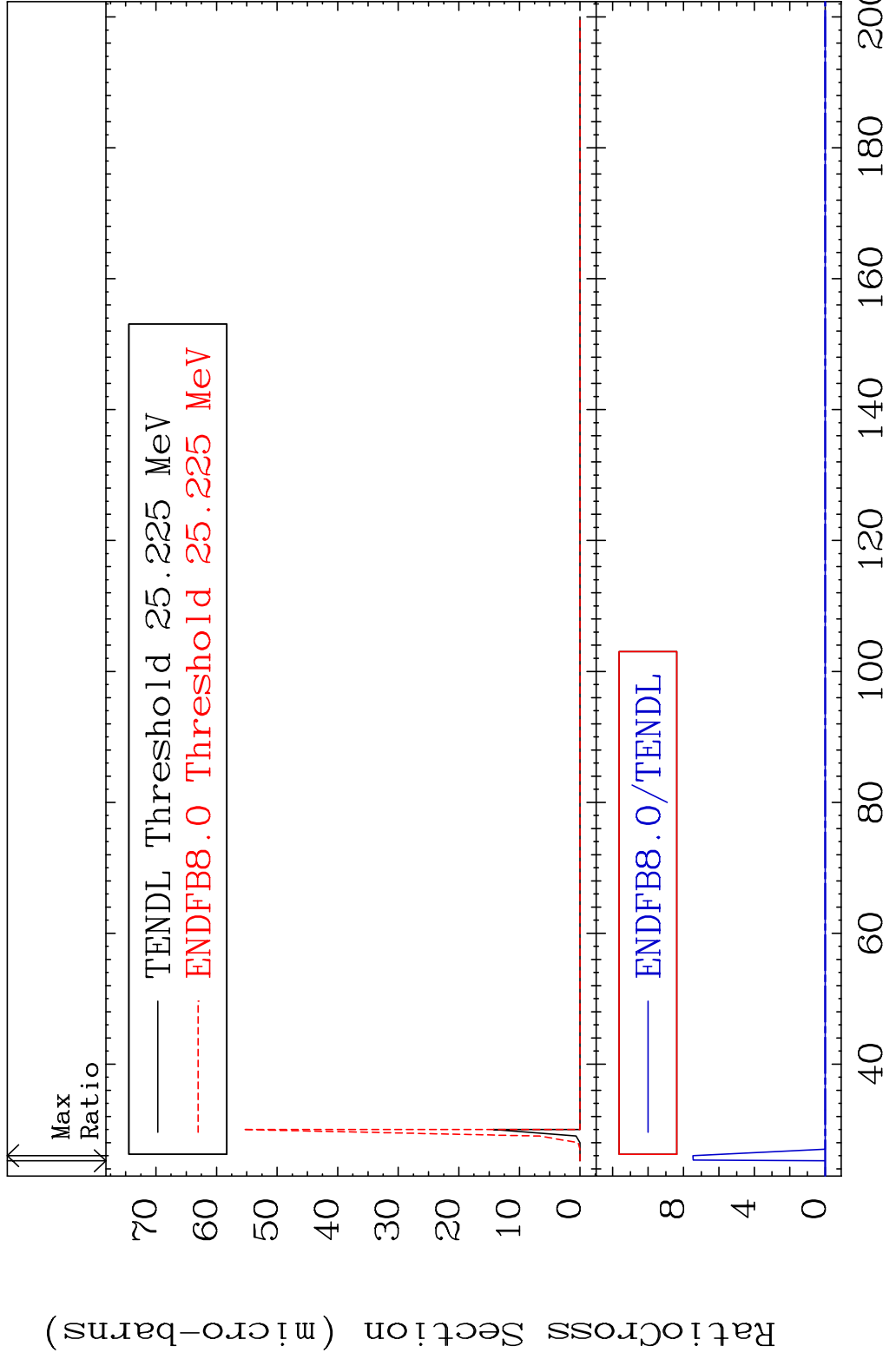


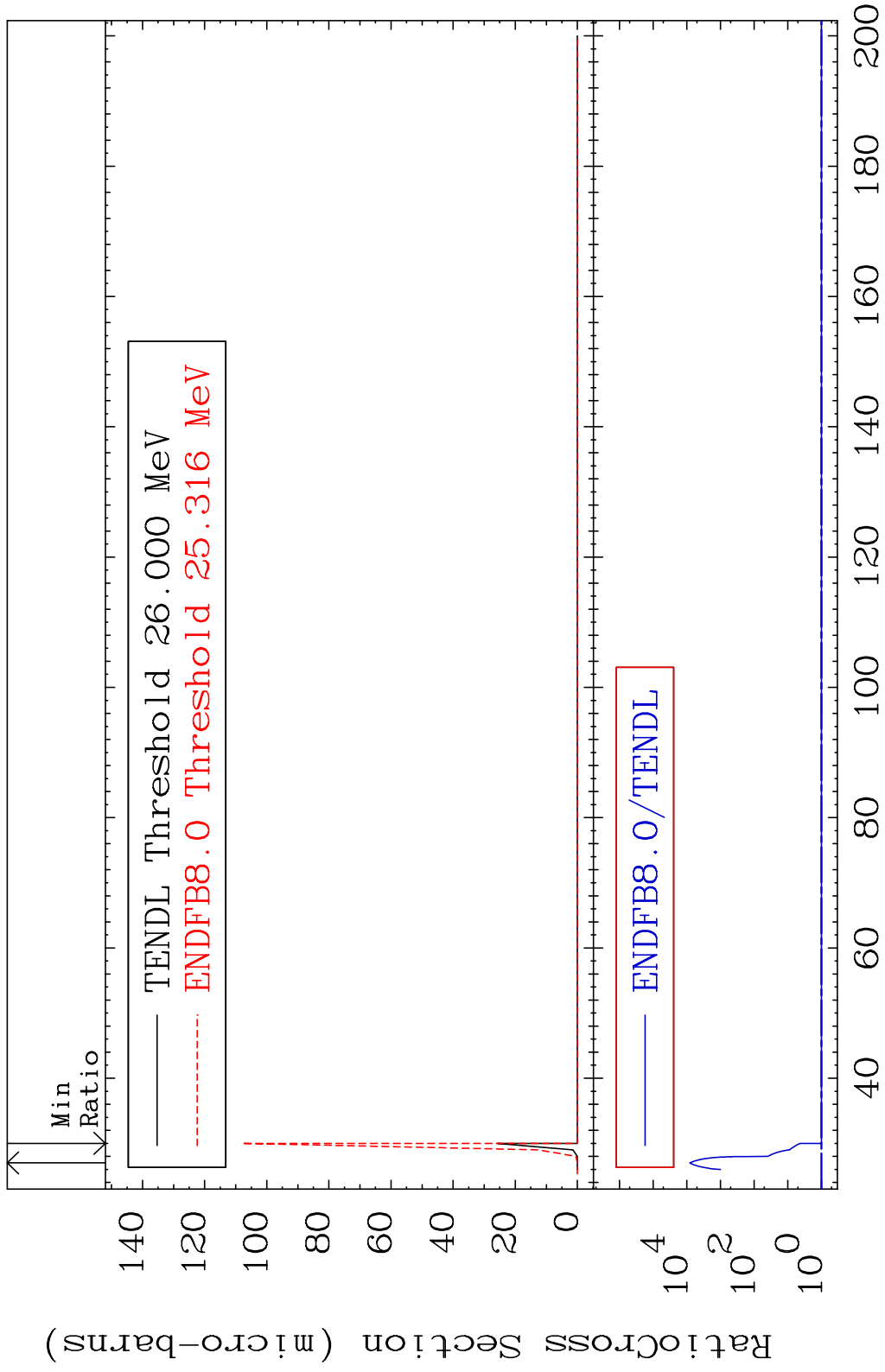
MAT 4834 (n,2n) p:47-Ag-107g 48-Cd-109
 Radionuclide Production Cross Section 180.0 dth 1243. %

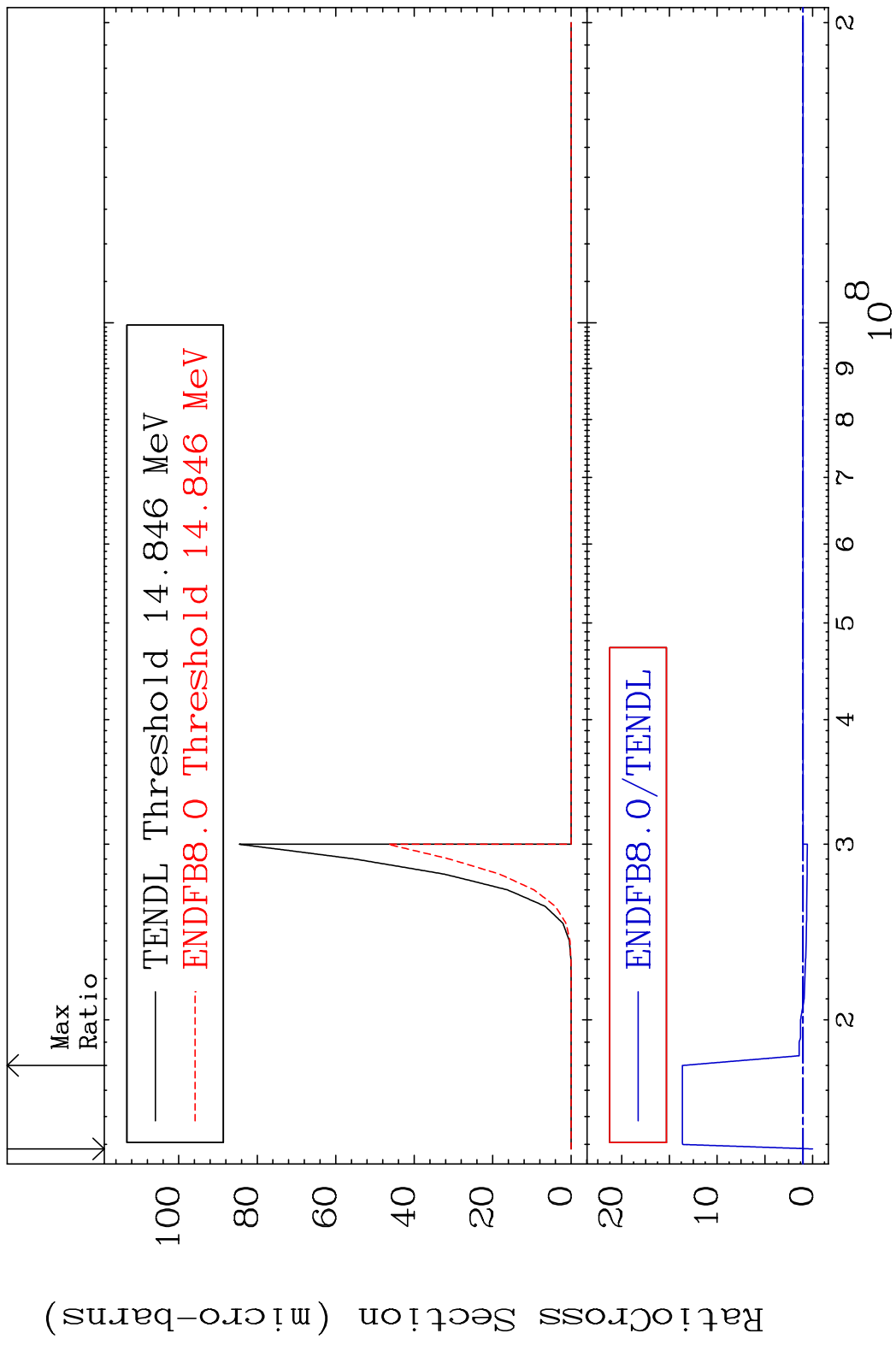


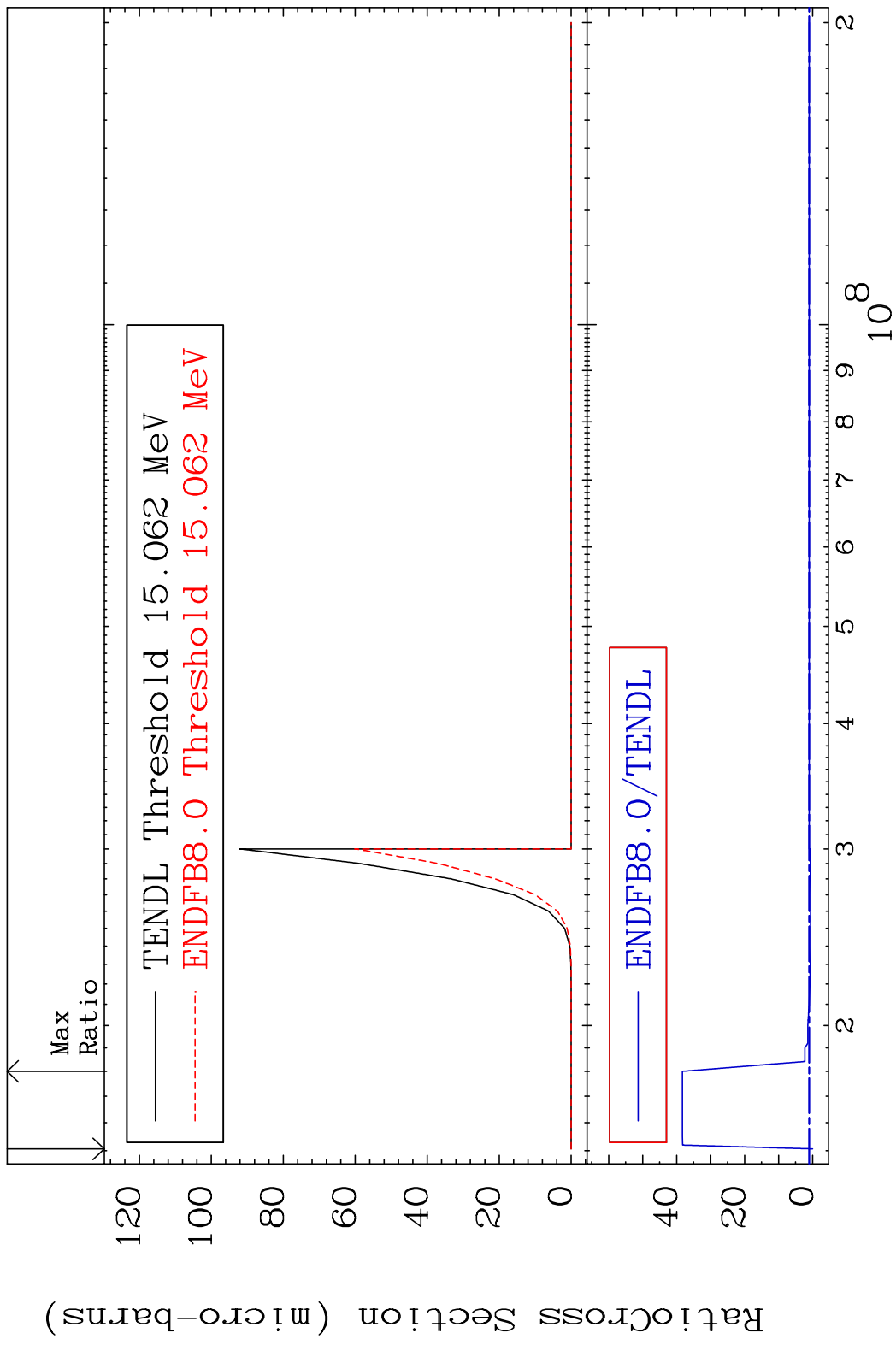


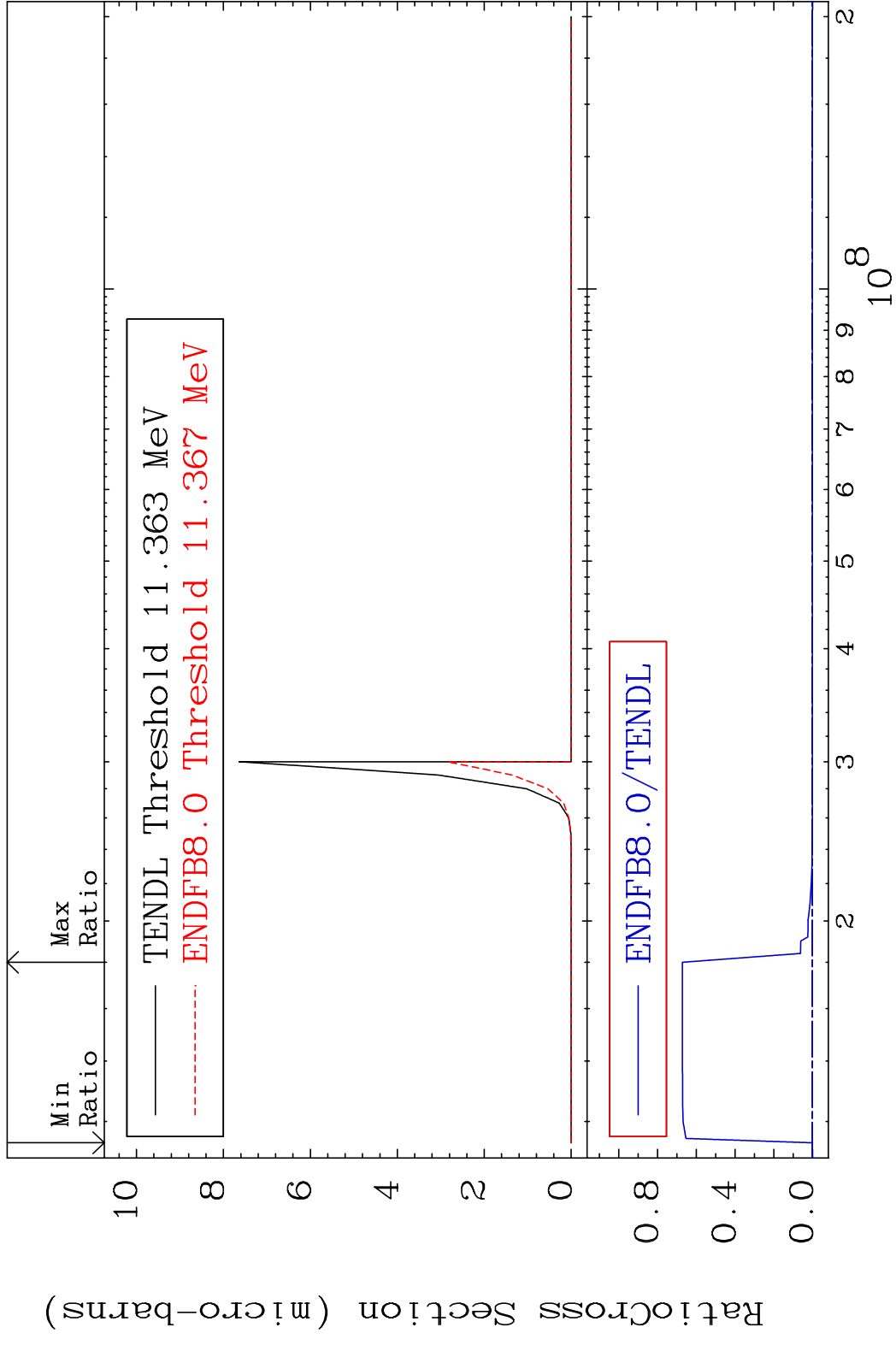
MAT 4834 (n,3n) p:47-Ag-106g 48-Cd-109
Radionuclide Production Cross Section Ratio 9999. %



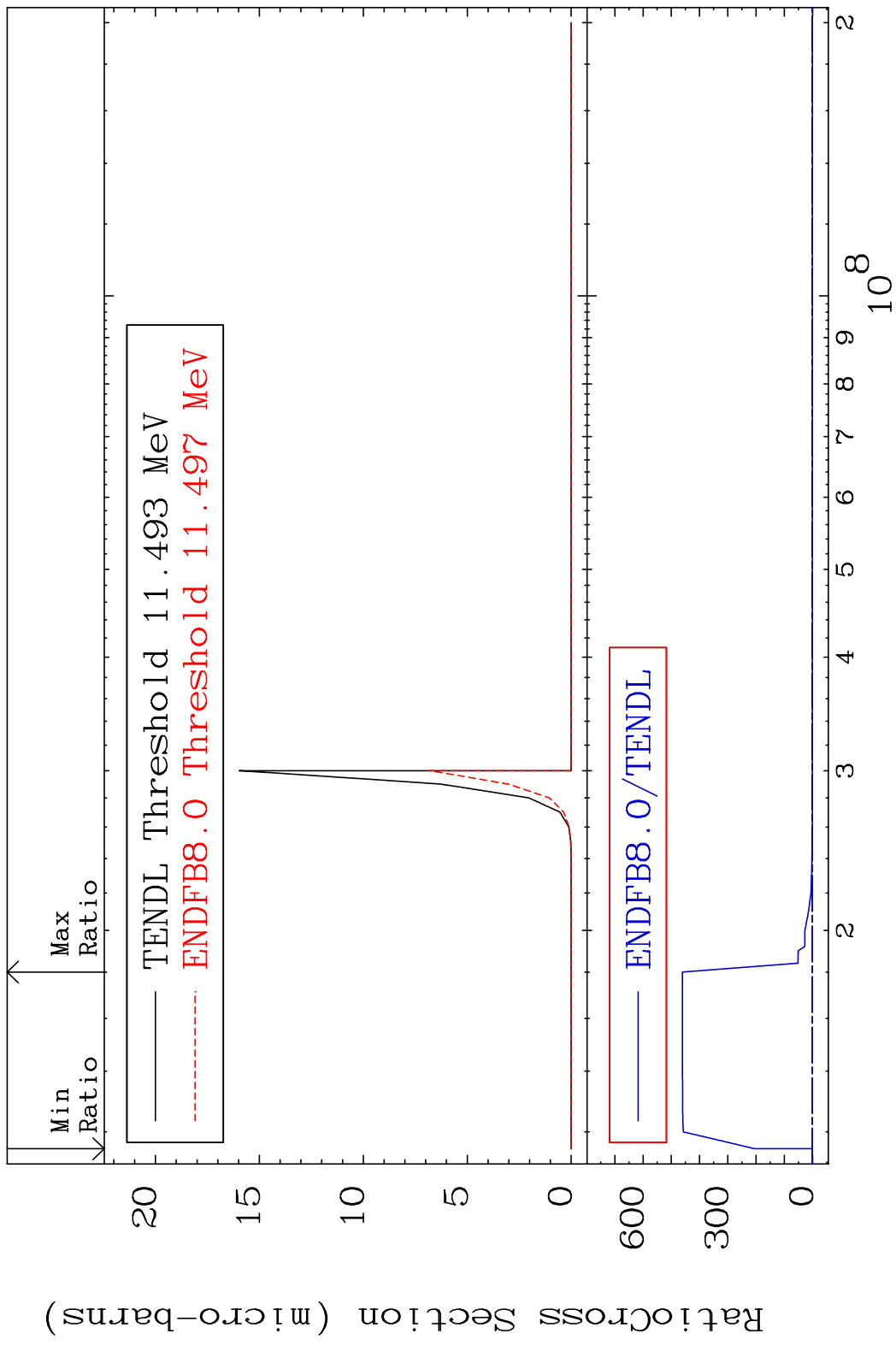




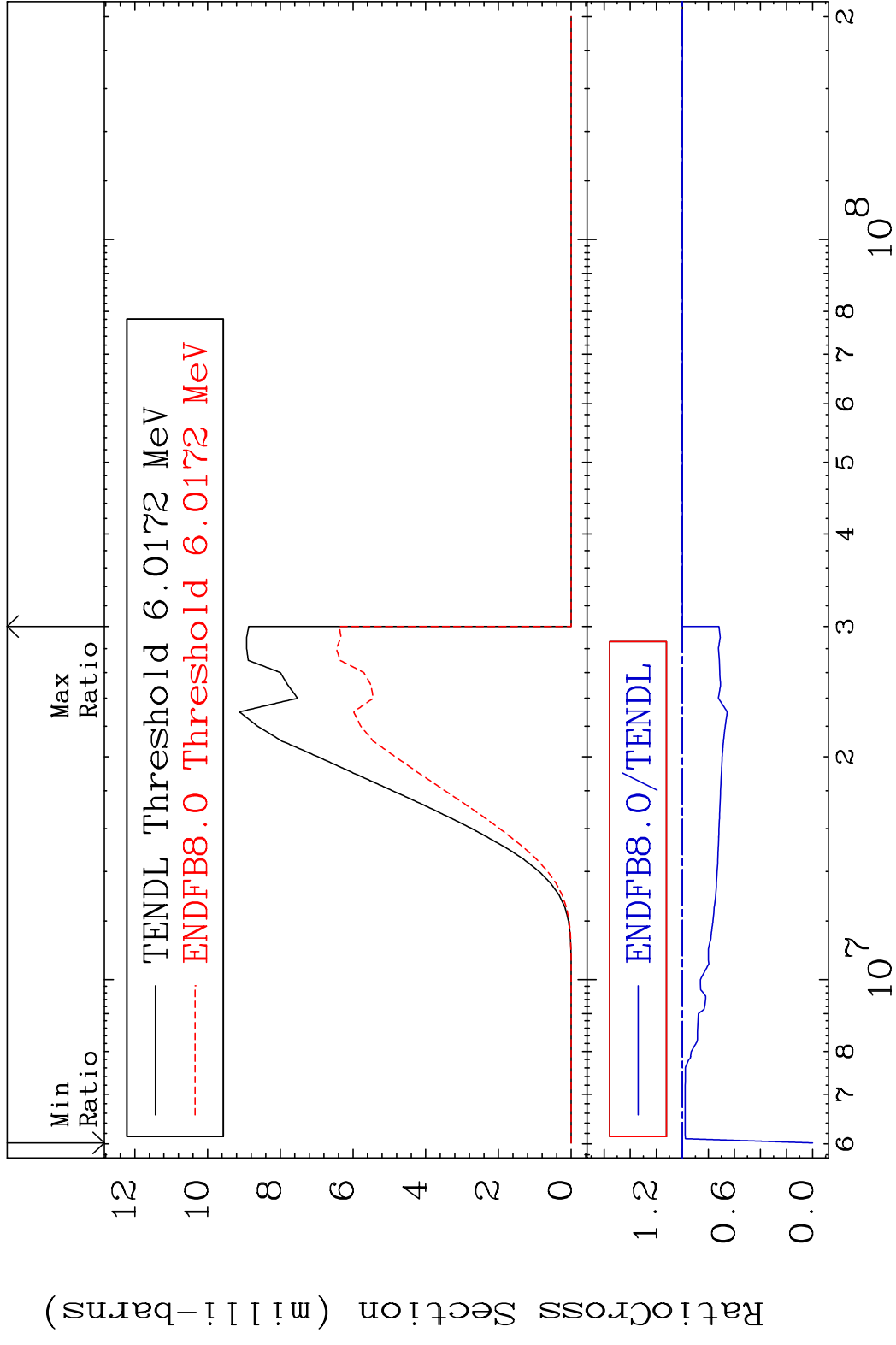




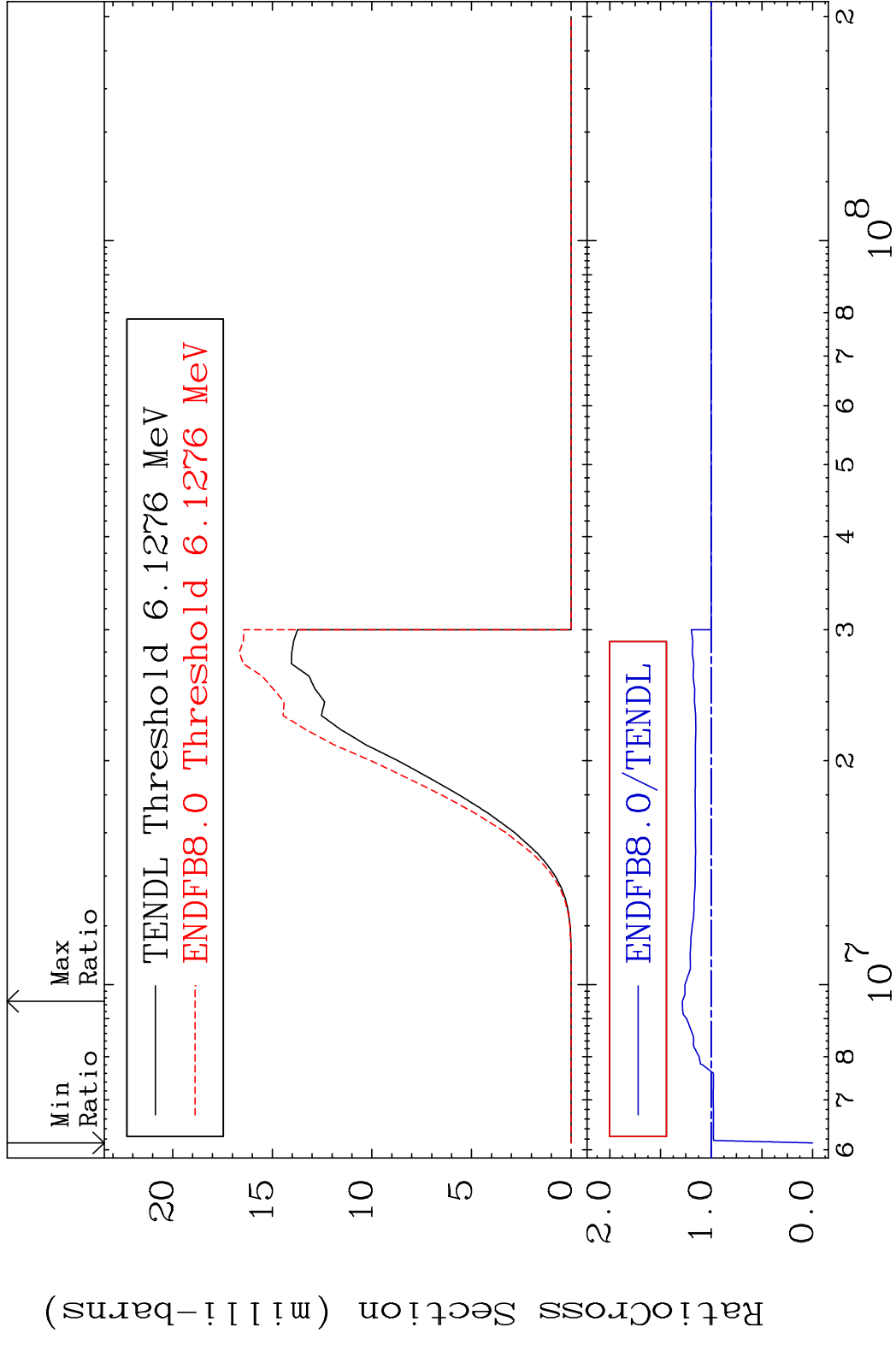
MAT 4834 (n, n') p α : 45-Rh-104m3 48-Cd-109
 Radionuclide Production Cross Section 100.00 %



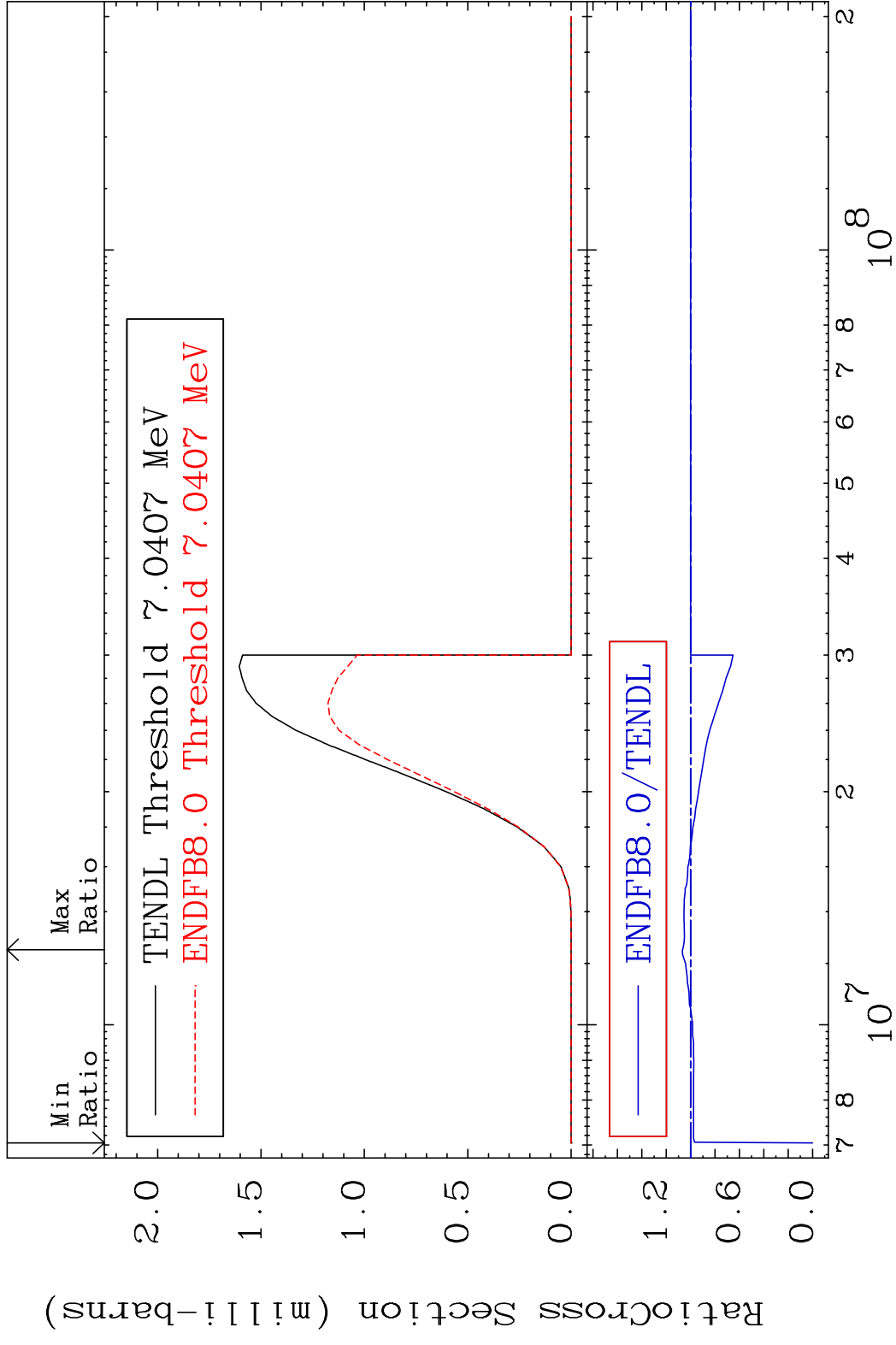
MAT 4834 (n,d):47-Ag-108g 48-Cd-109
 Radionuclide Production Cross Section Ratio 0.000 %



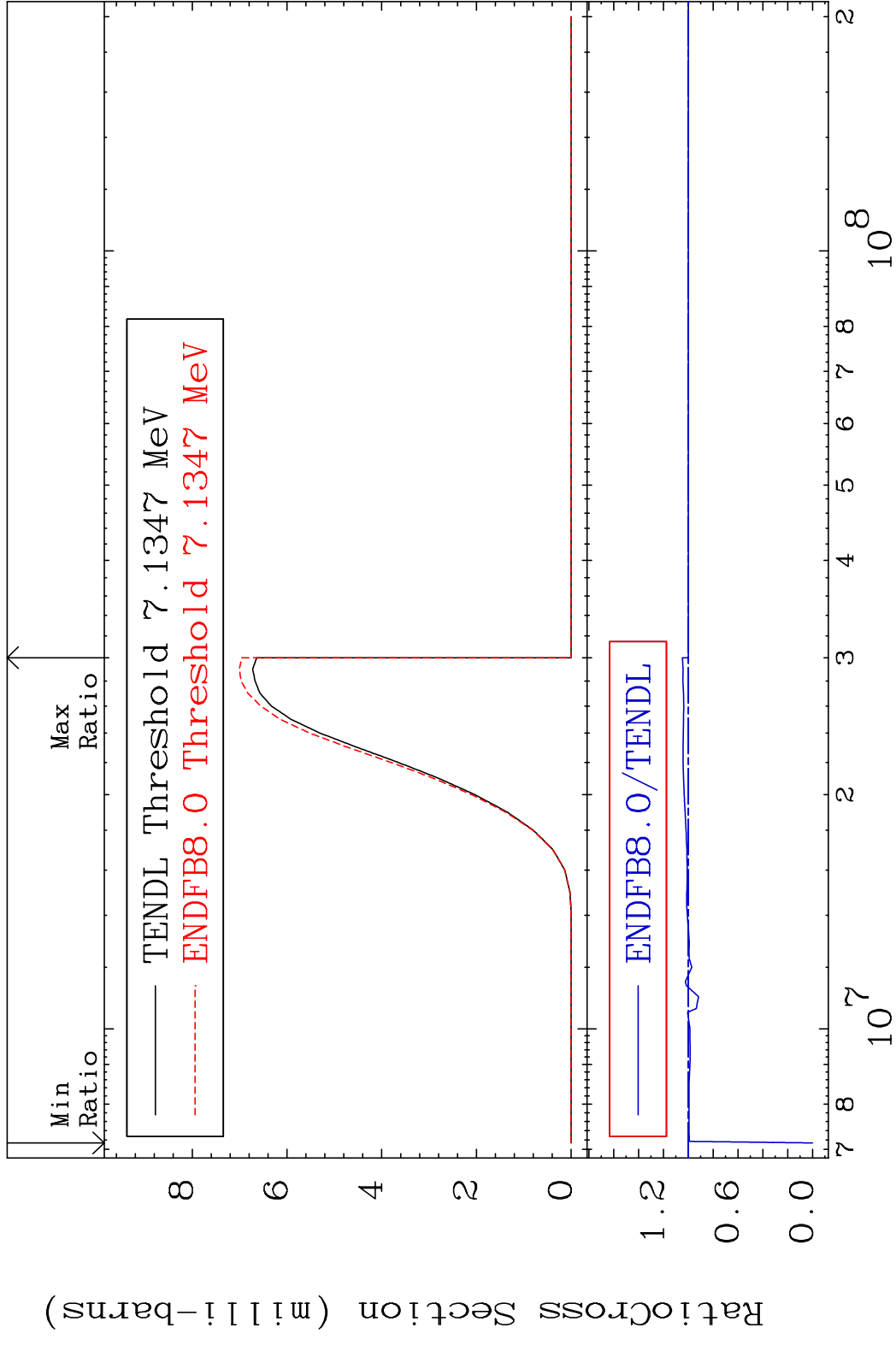
MAT 4834 (n,d):47-Ag-108m2 48-Cd-109
 Radionuclide Production Cross Section 180.0 mb 28.45 %



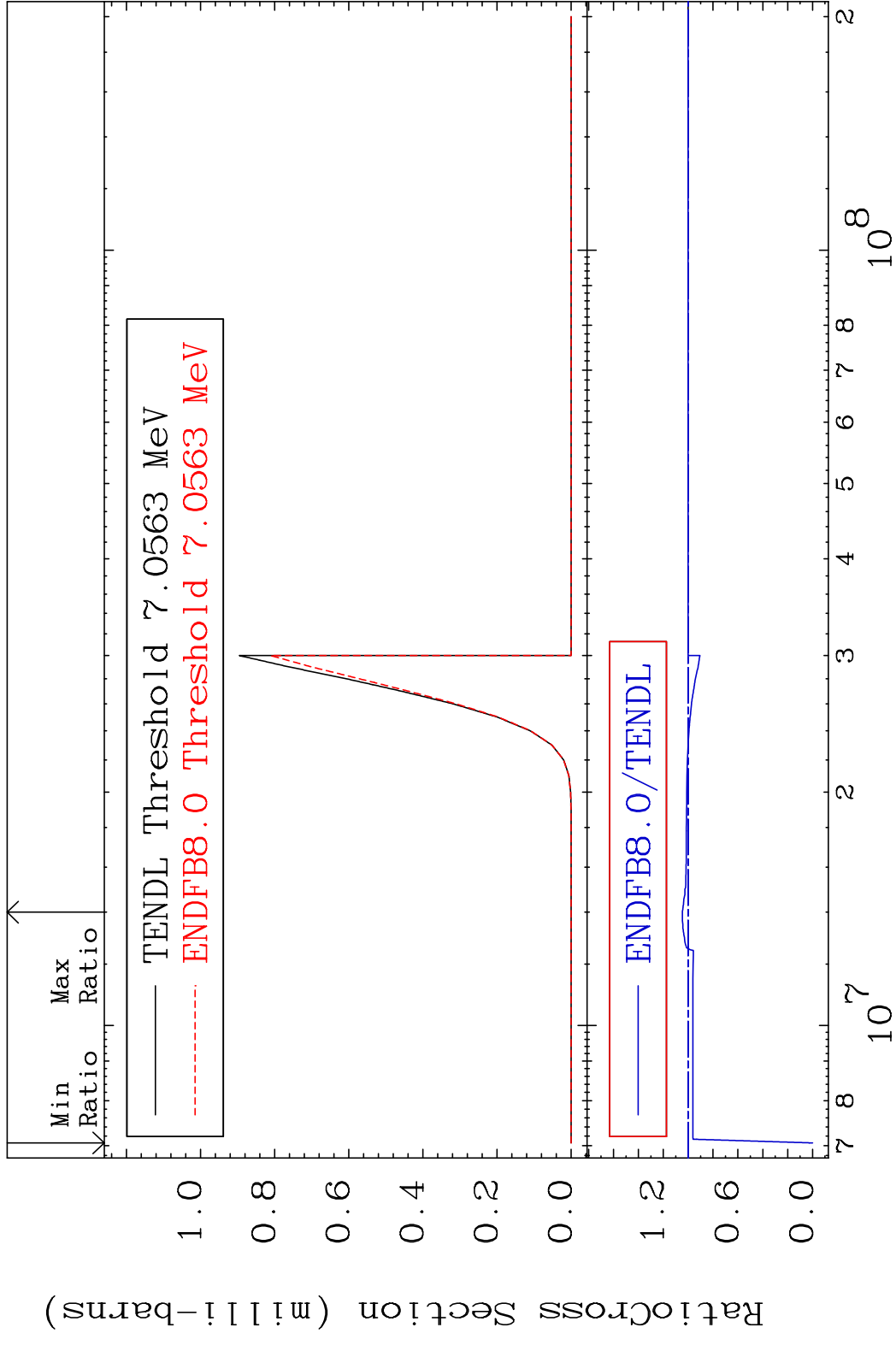
MAT 4834 (n, t): 47-Ag-107g 48-Cd-109
 Radionuclide Production Cross Section Ratio 6.788 %



MAT 4834 (n, t): 47-Ag-107m1 48-Cd-109
 Radionuclide Production Cross Section Ratio 4.760 %

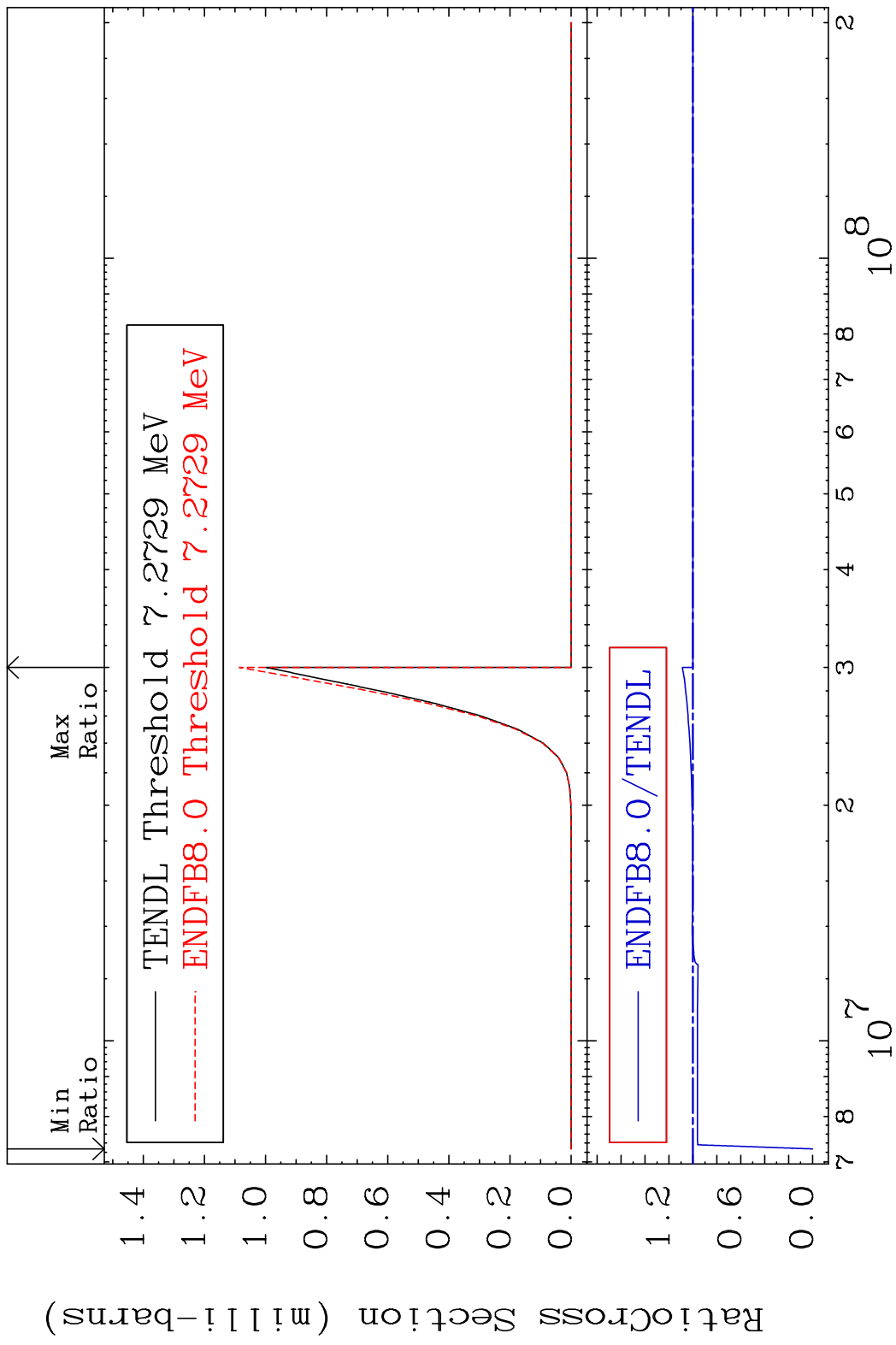


MAT 4834 (n, He-3):46-Pd-107g 48-Cd-109
 Radionuclide Production Cross Section Ratio 4.659 %

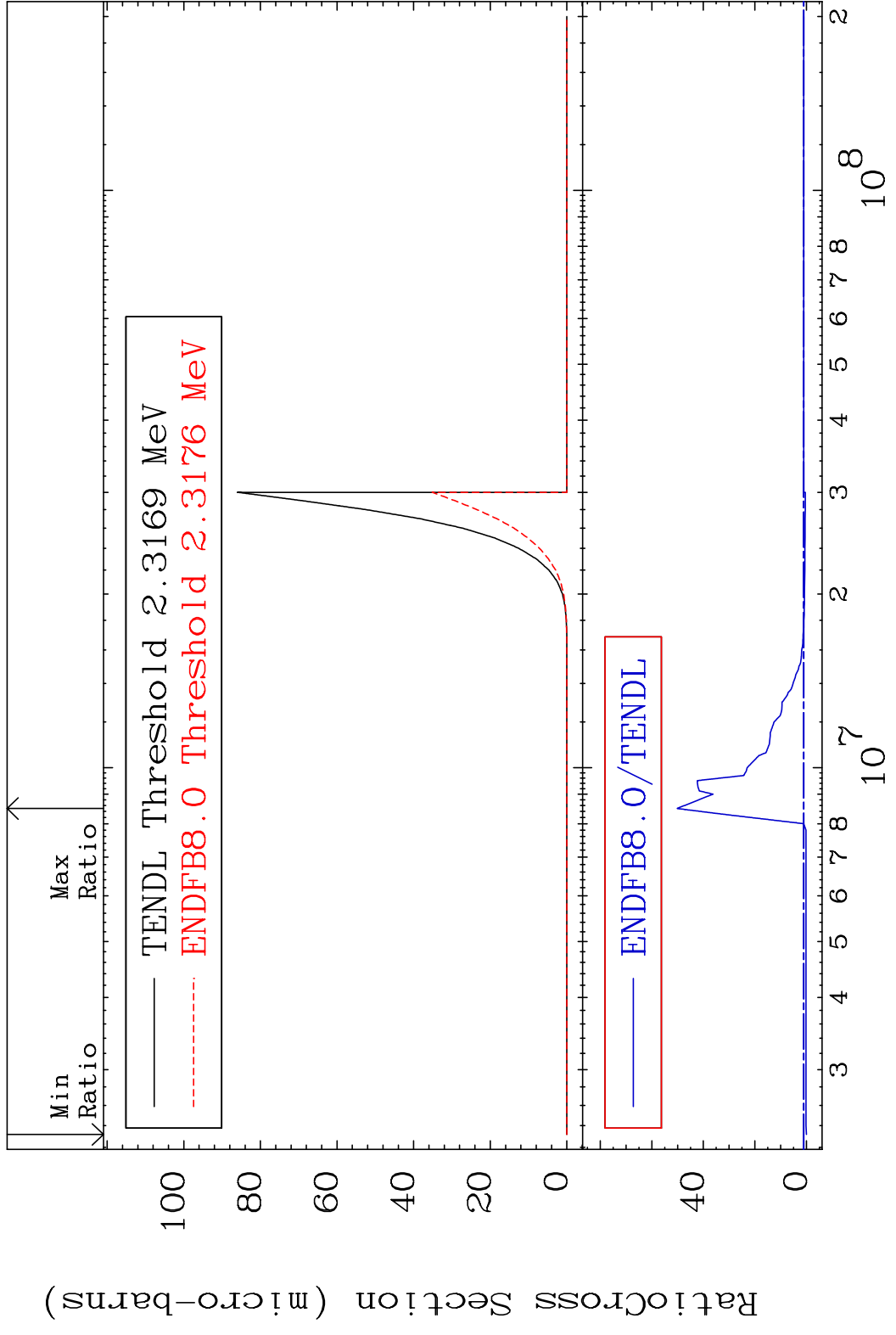


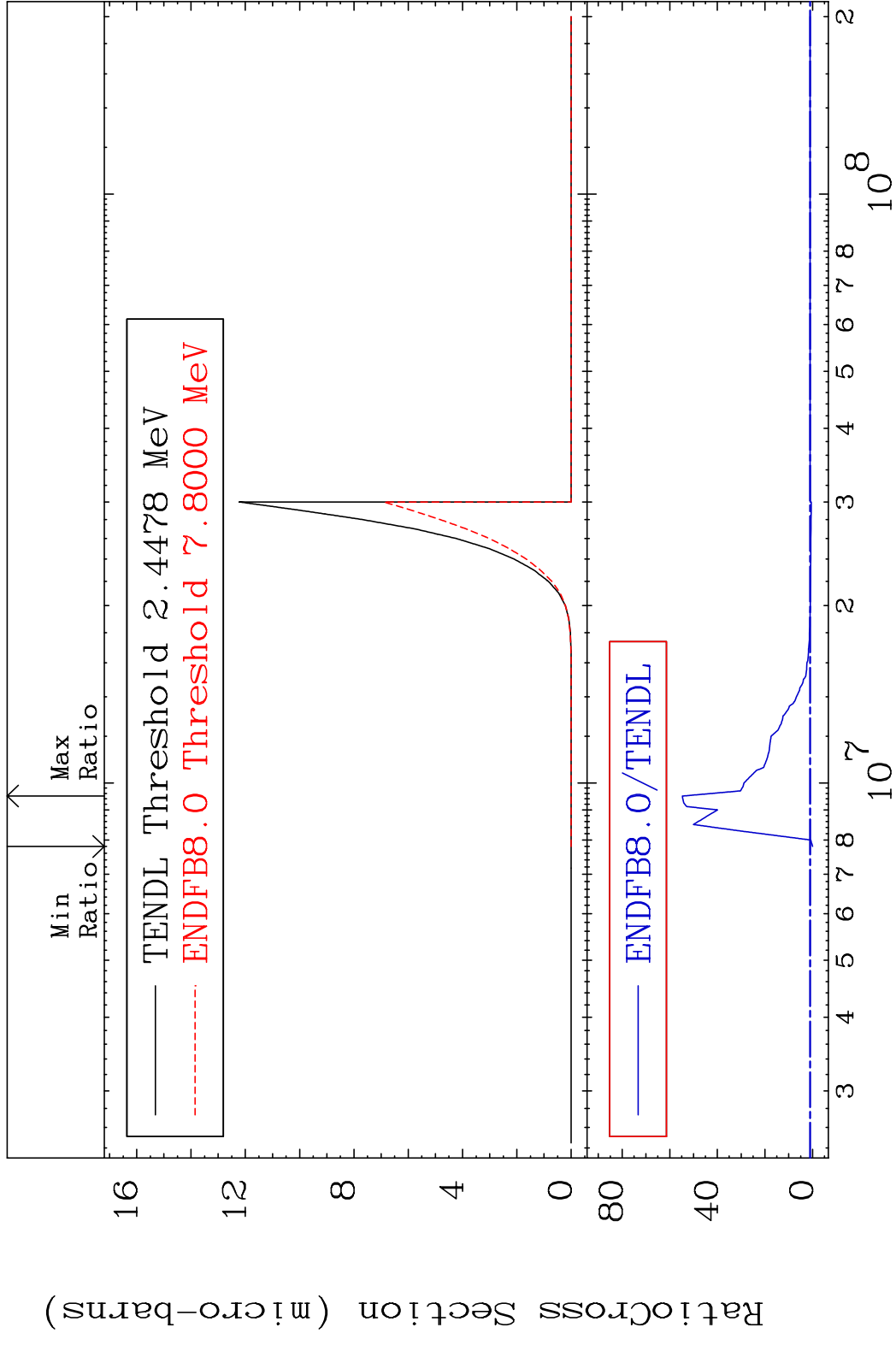
100 Incident Energy (eV) 48-Cd-109

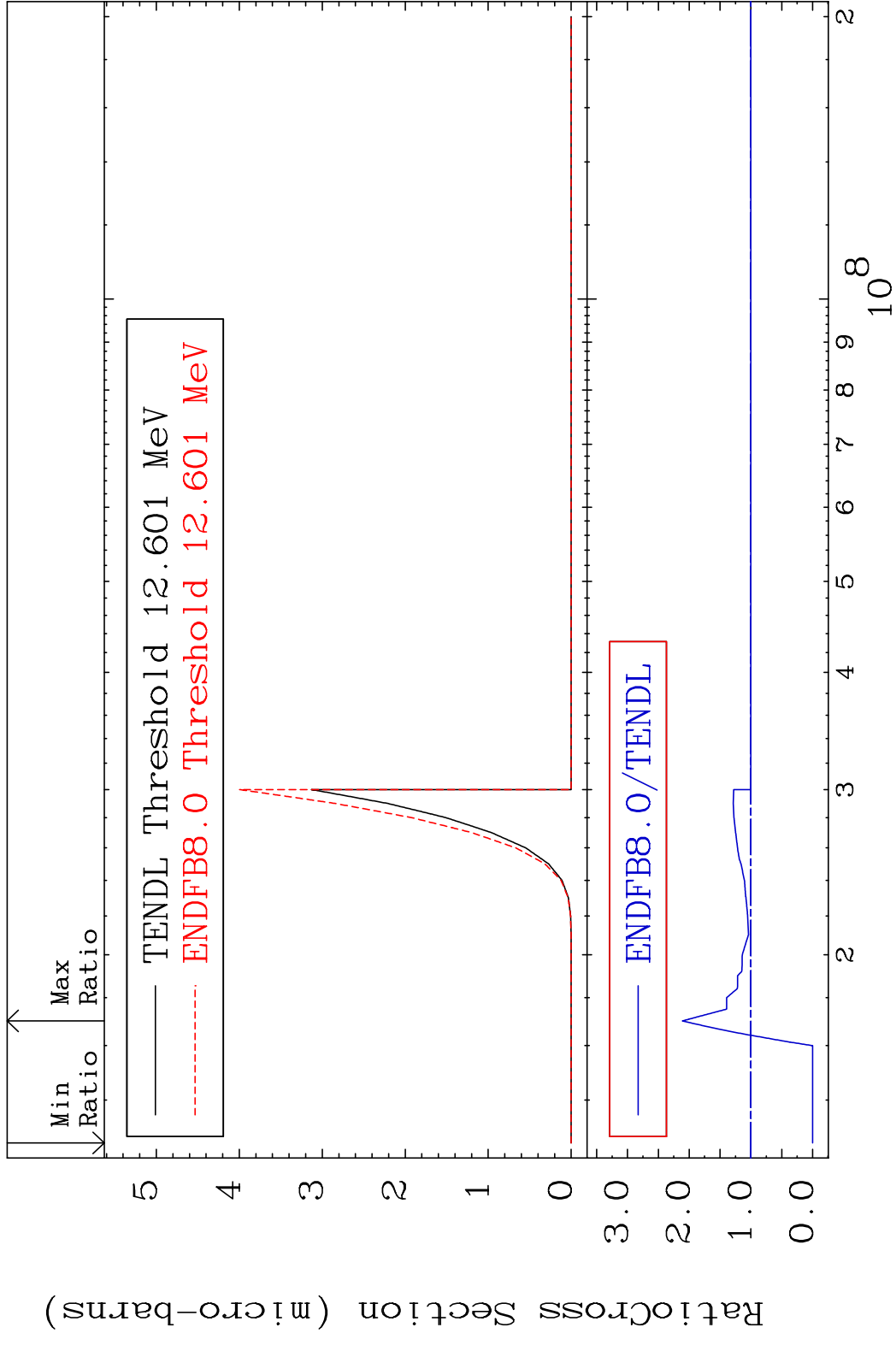
MAT 4834 (n, He-3) : 46-Pd-107m2 48-Cd-109
 Radionuclide Production Cross Section Ratio 8.819 %

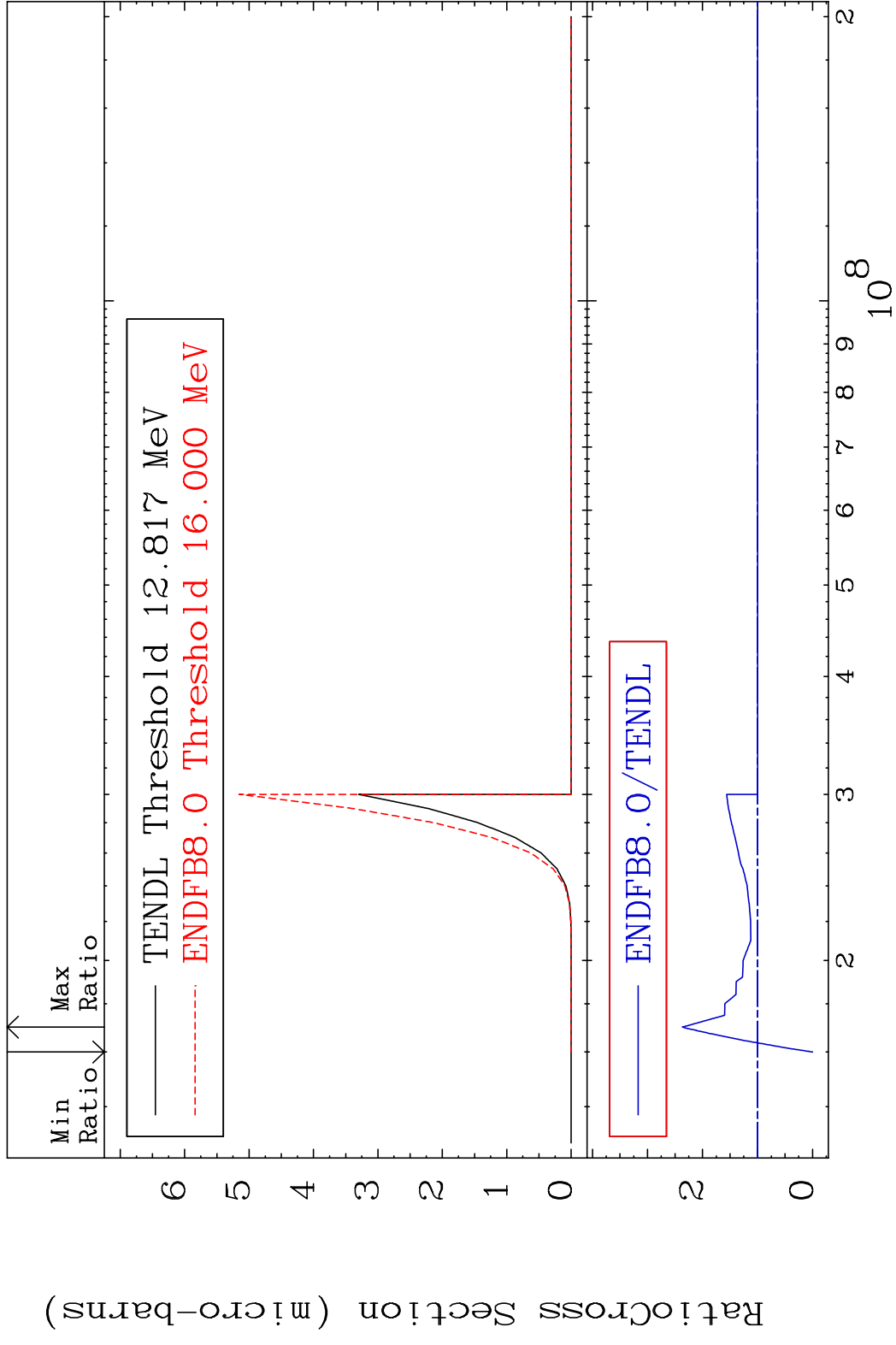


MAT 4834 (n,p) α :45-Rh-105g 48-Cd-109
 Radionuclide Production Cross Section 18000 dth 4915. %

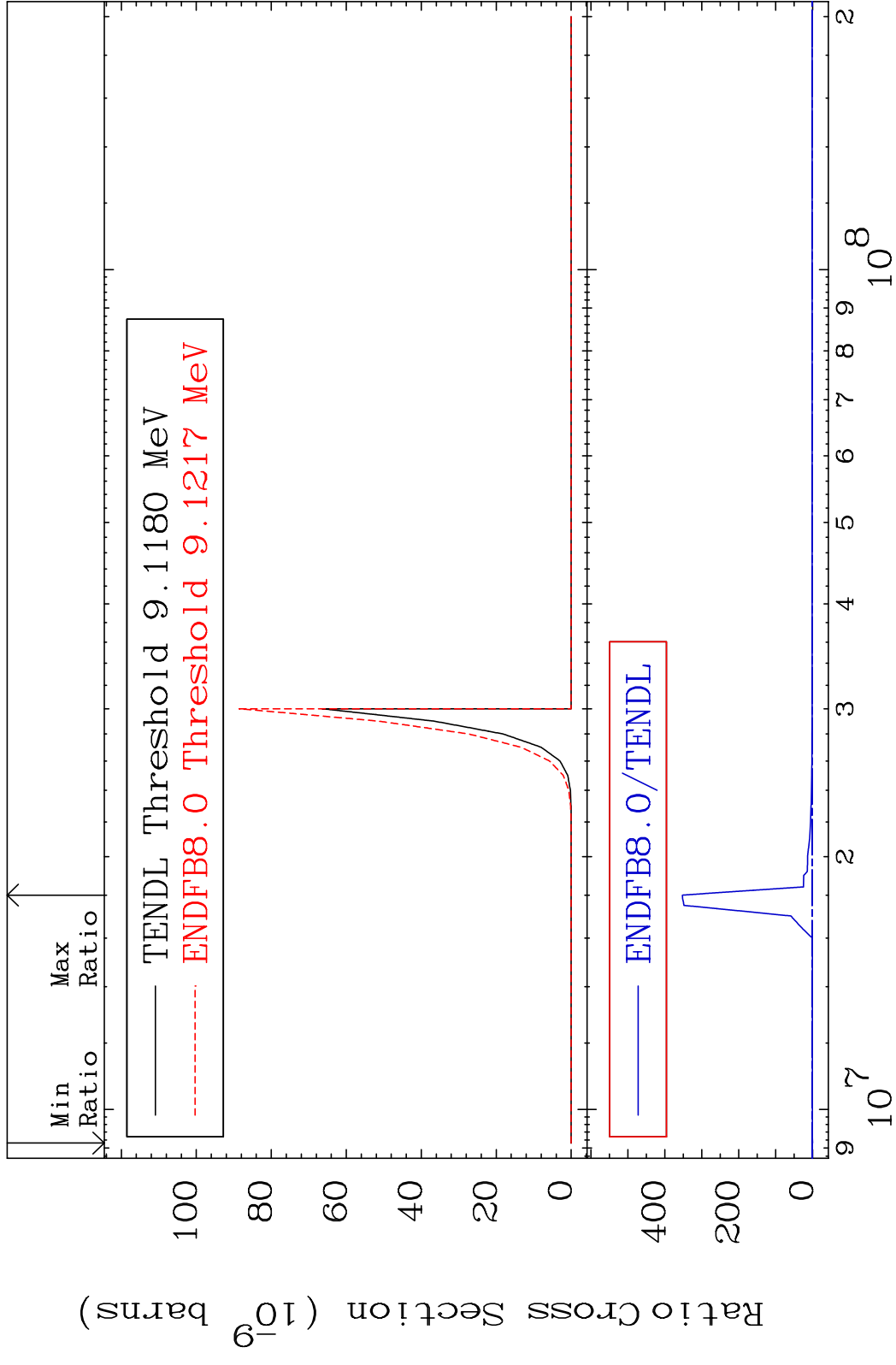






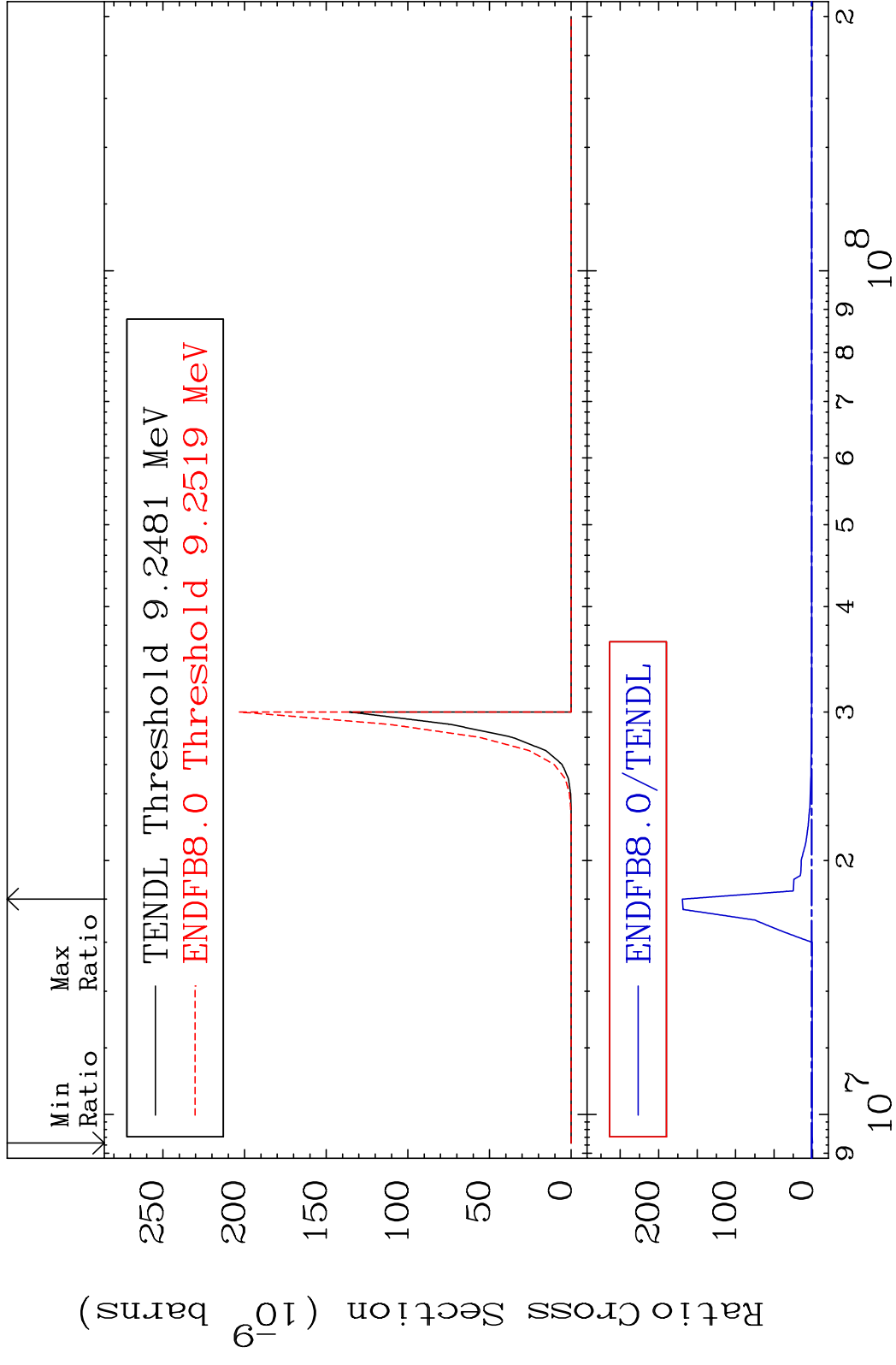


MAT 4834 (n, d) α :45-Rh-104g 48-Cd-109
 Radionuclide Production Cross Section Ratio 9999. %



106 Incident Energy (eV) 48-Cd-109

MAT 4834 (n, d) α : 45-Rh-104m3 48-Cd-109
 Radionuclide Production Cross Section 100.0 dth 9999. %



107 Incident Energy (eV) 48-Cd-109