

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

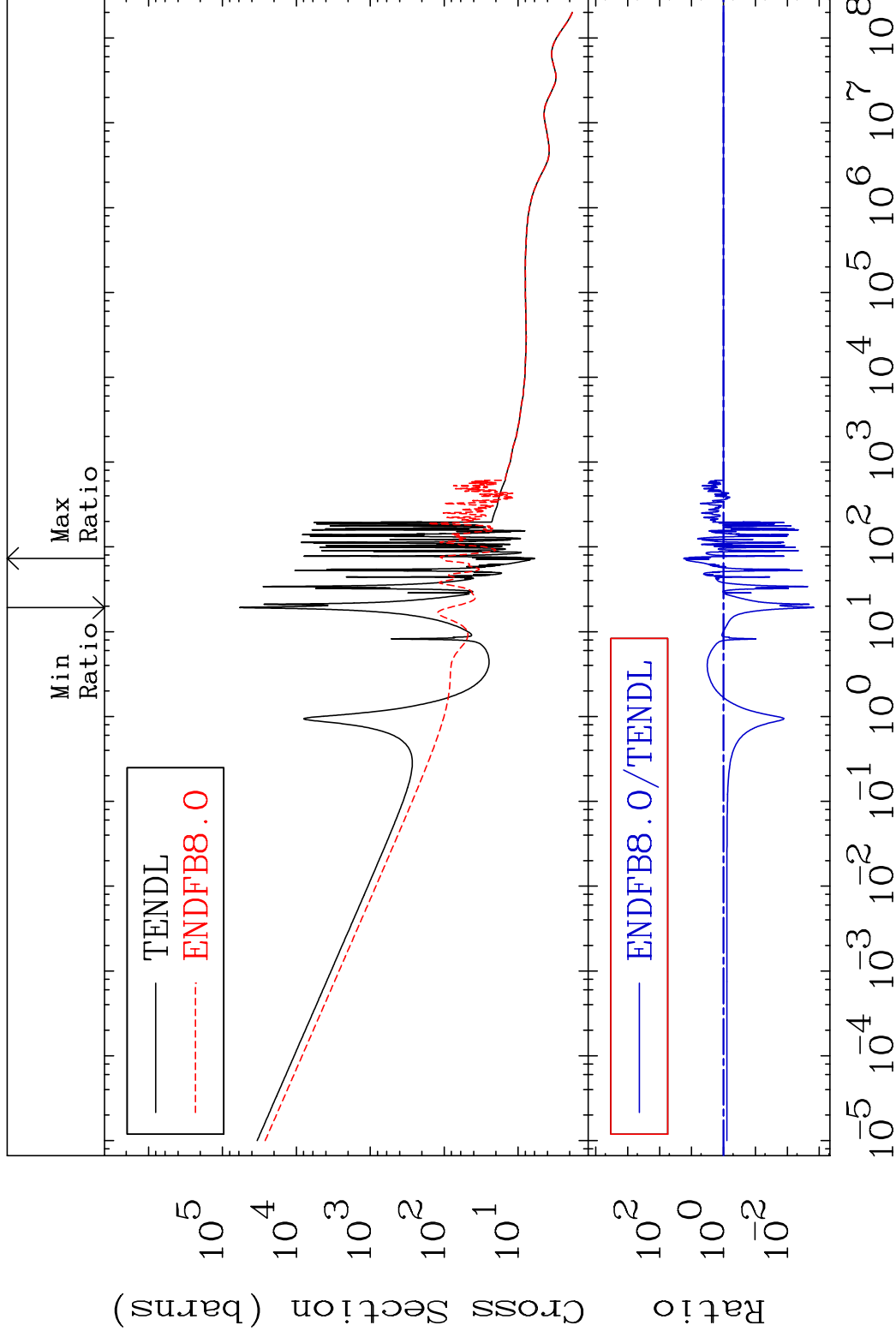
MAT 4834

Total

48-Cd-109

Cross Section

-99.85 To 1666. %



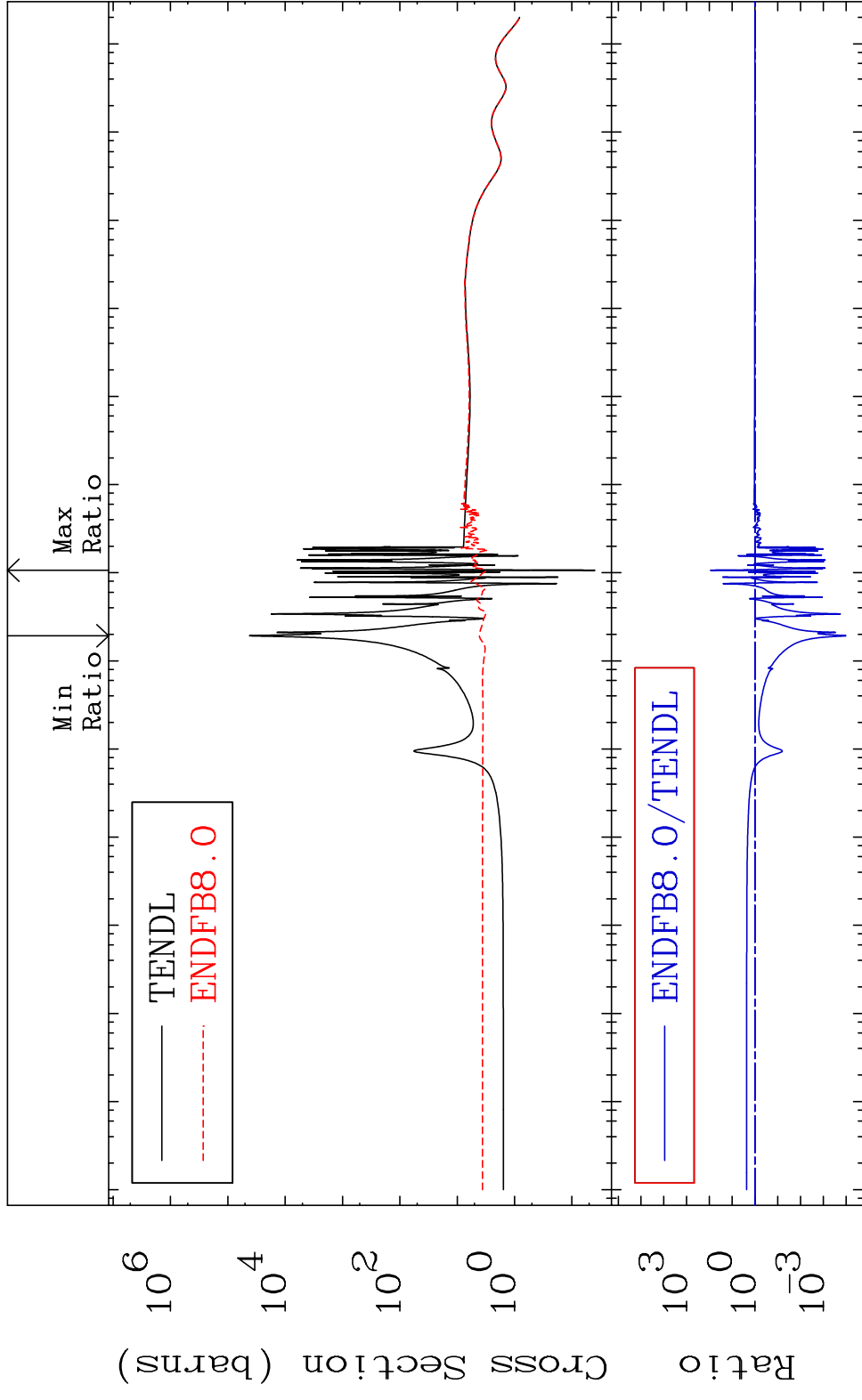
1

Incident Energy (eV)

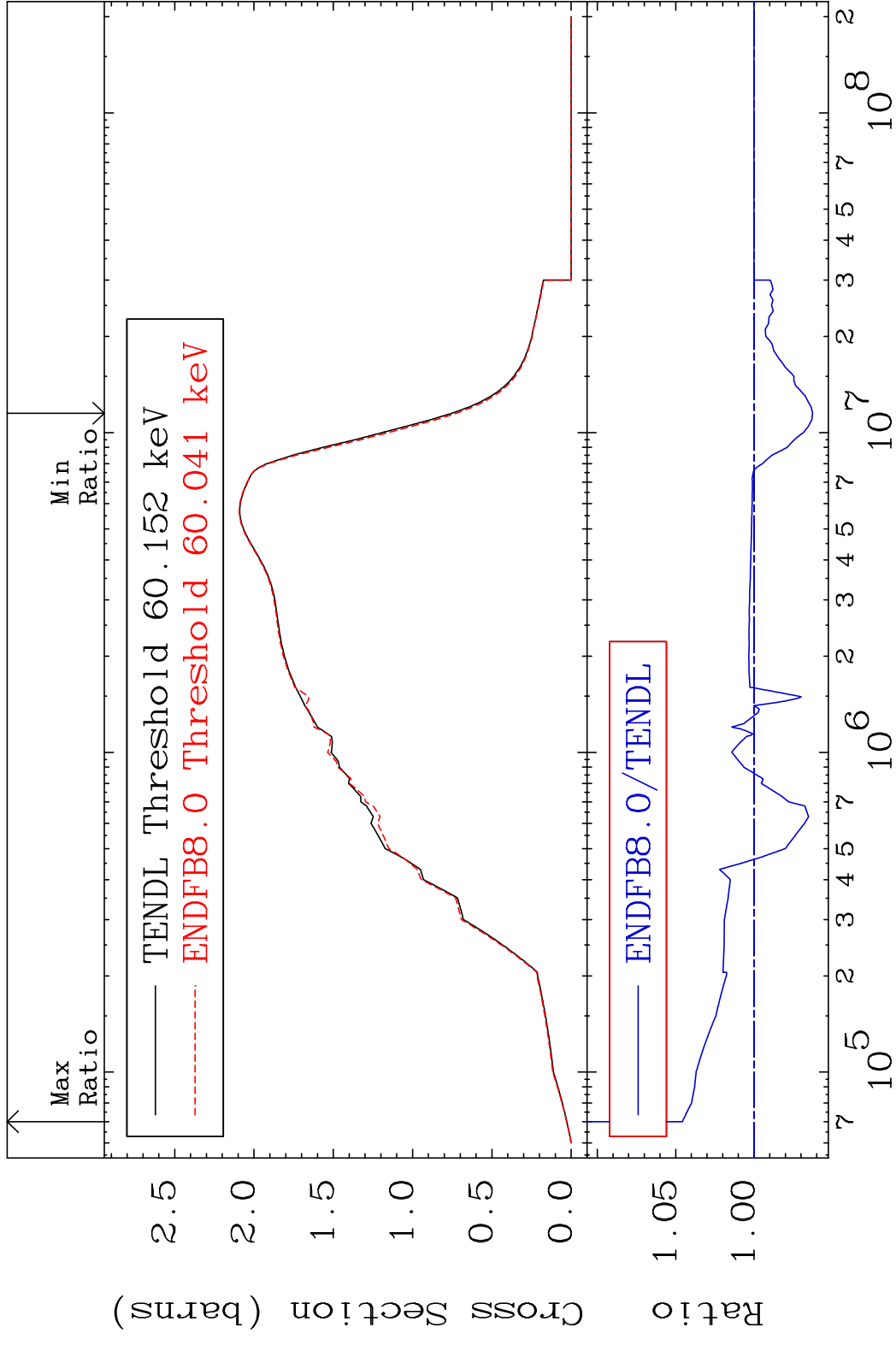
48-Cd-109

MAT 4834

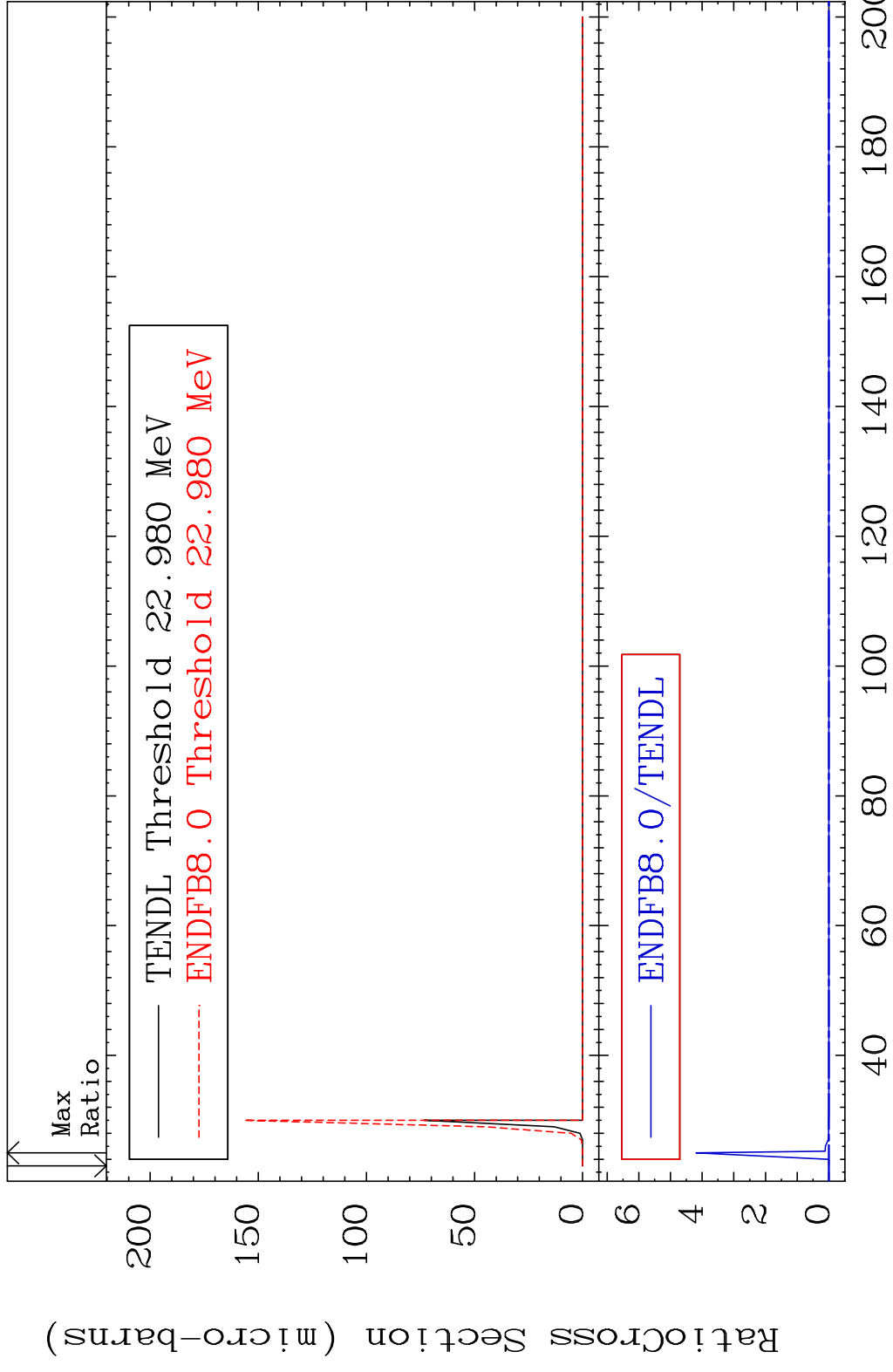
Elastic Cross Section -99.99 To 8623. %
48-Cd-109



MAT 4834 Inelastic 48-Cd-109
 Cross Section -3.734 To 4.575 %



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

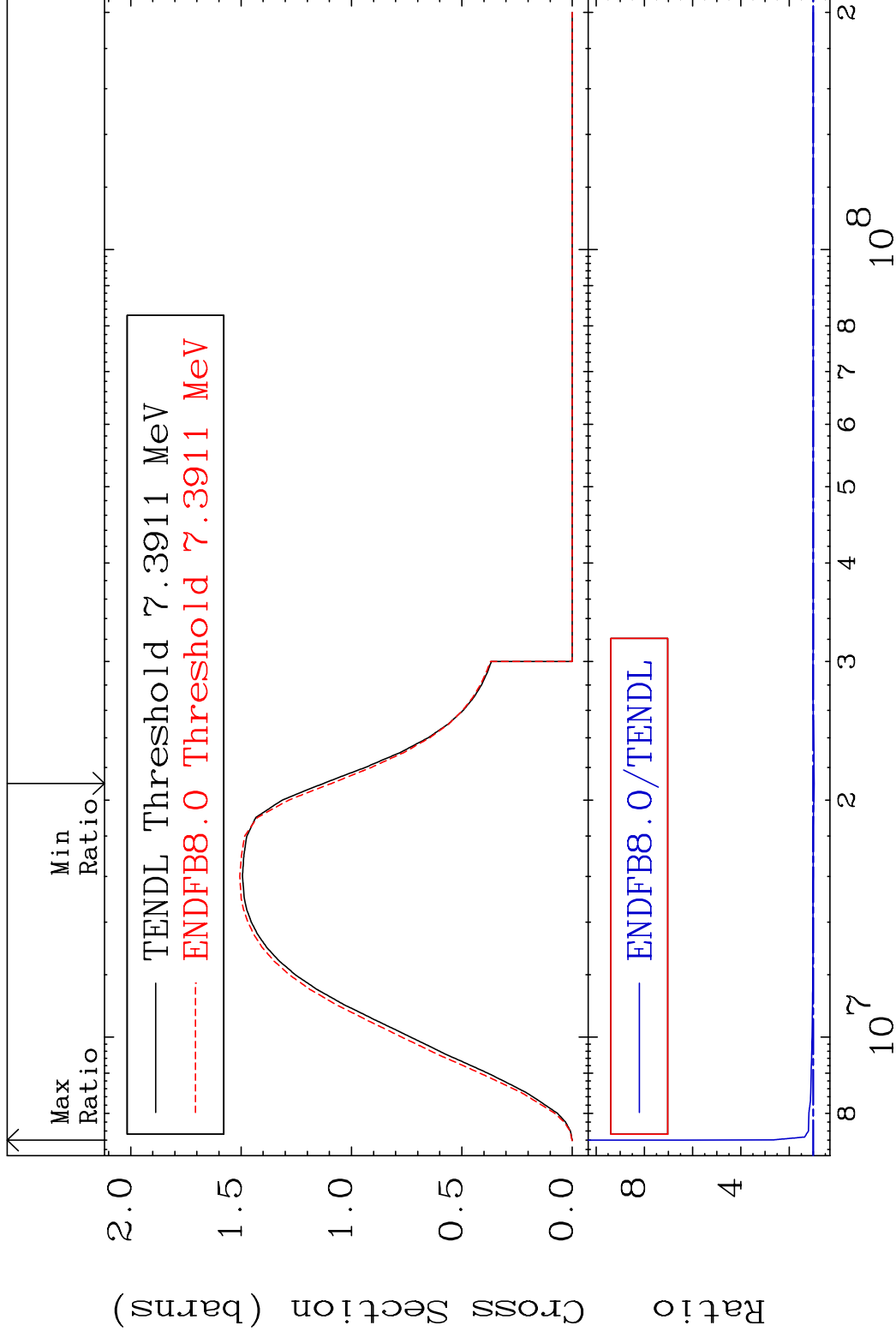


MAT 4834

(n,2n)

48-Cd-109

Cross Section -3.214 To 537.2 %



5

Incident Energy (eV)

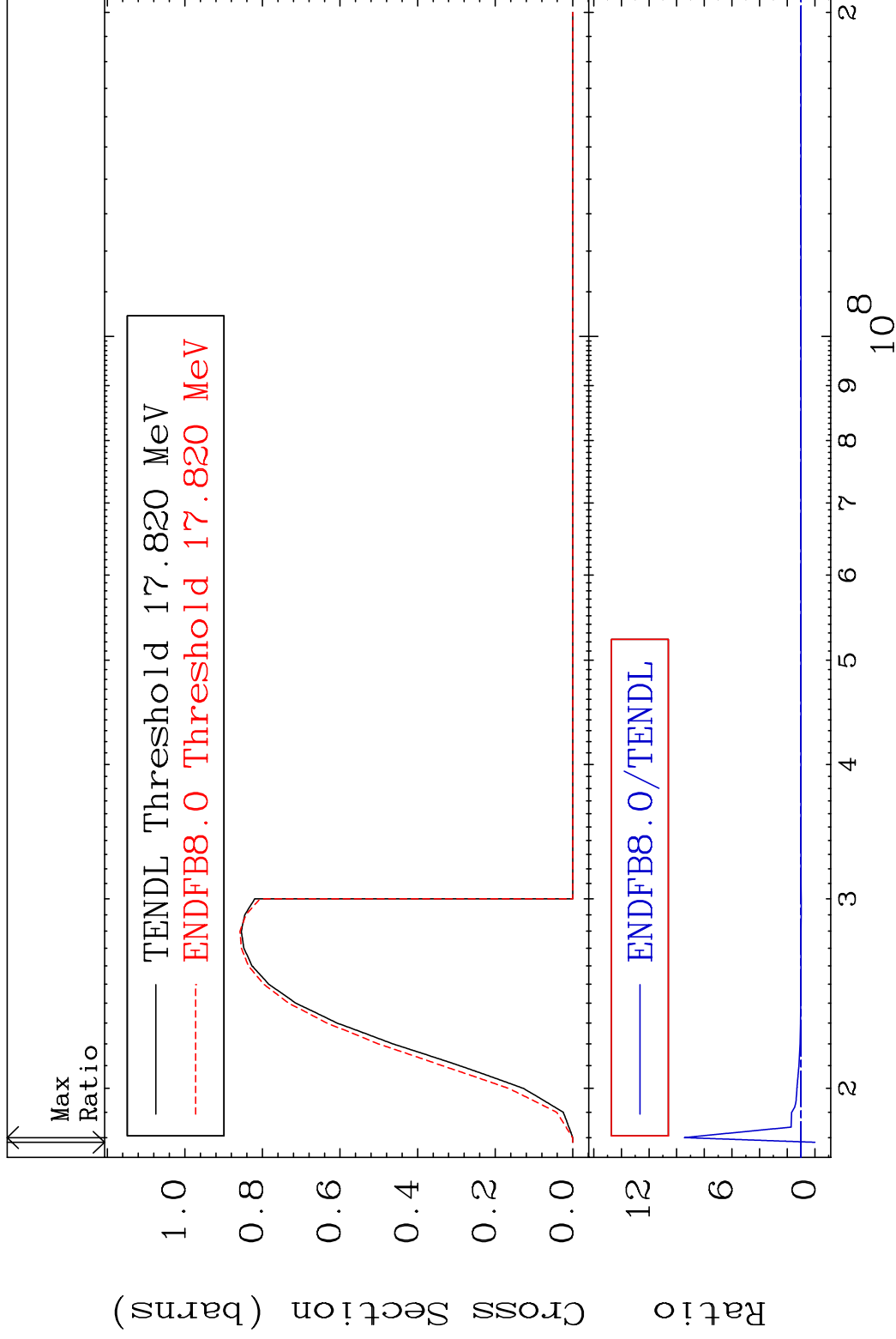
48-Cd-109

MAT 4834

(n,3n)

48-Cd-109

Cross Section -100.0 To 844.8 %



6

Incident Energy (eV)

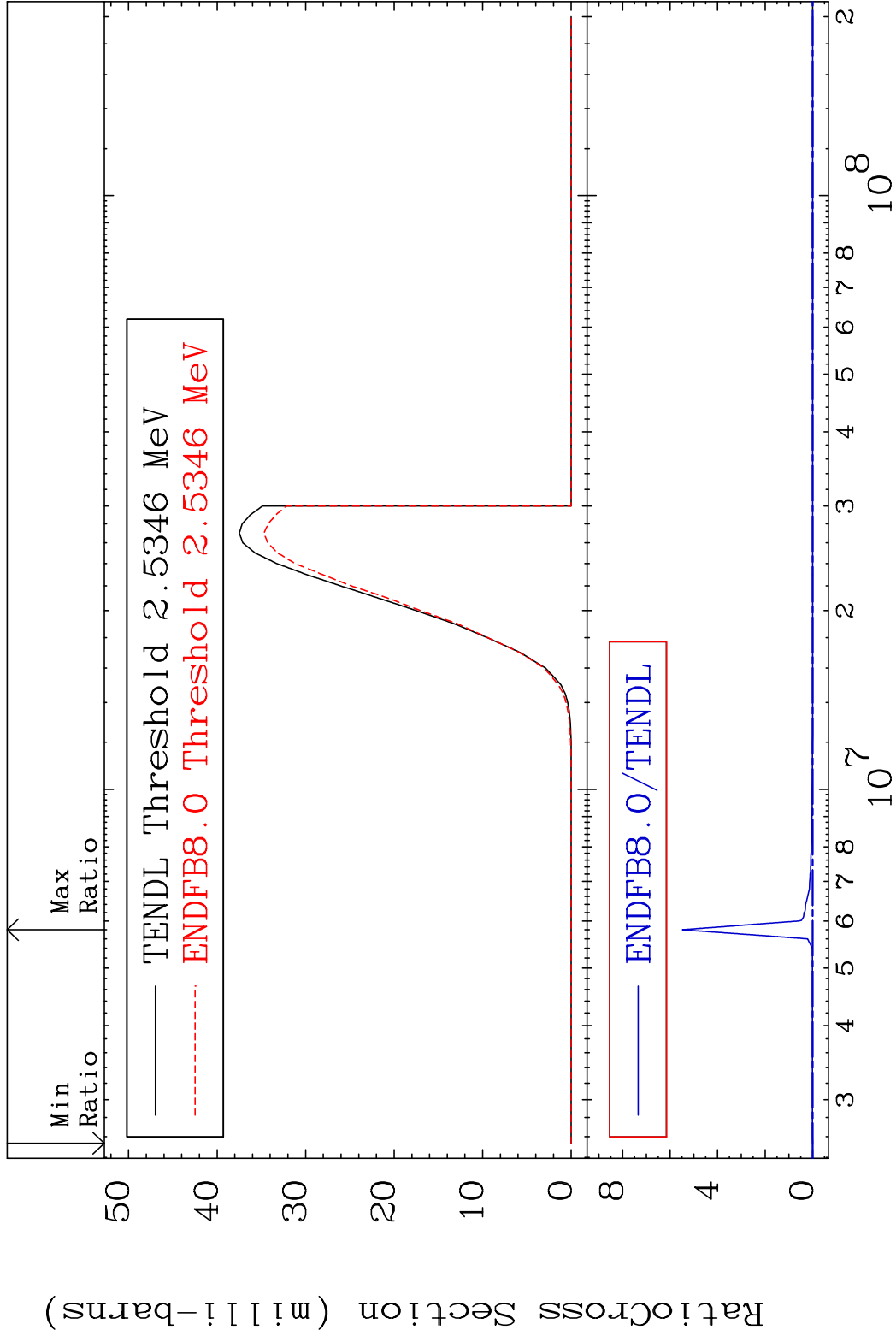
48-Cd-109

MAT 4834

(n, n') α

48-Cd-109

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

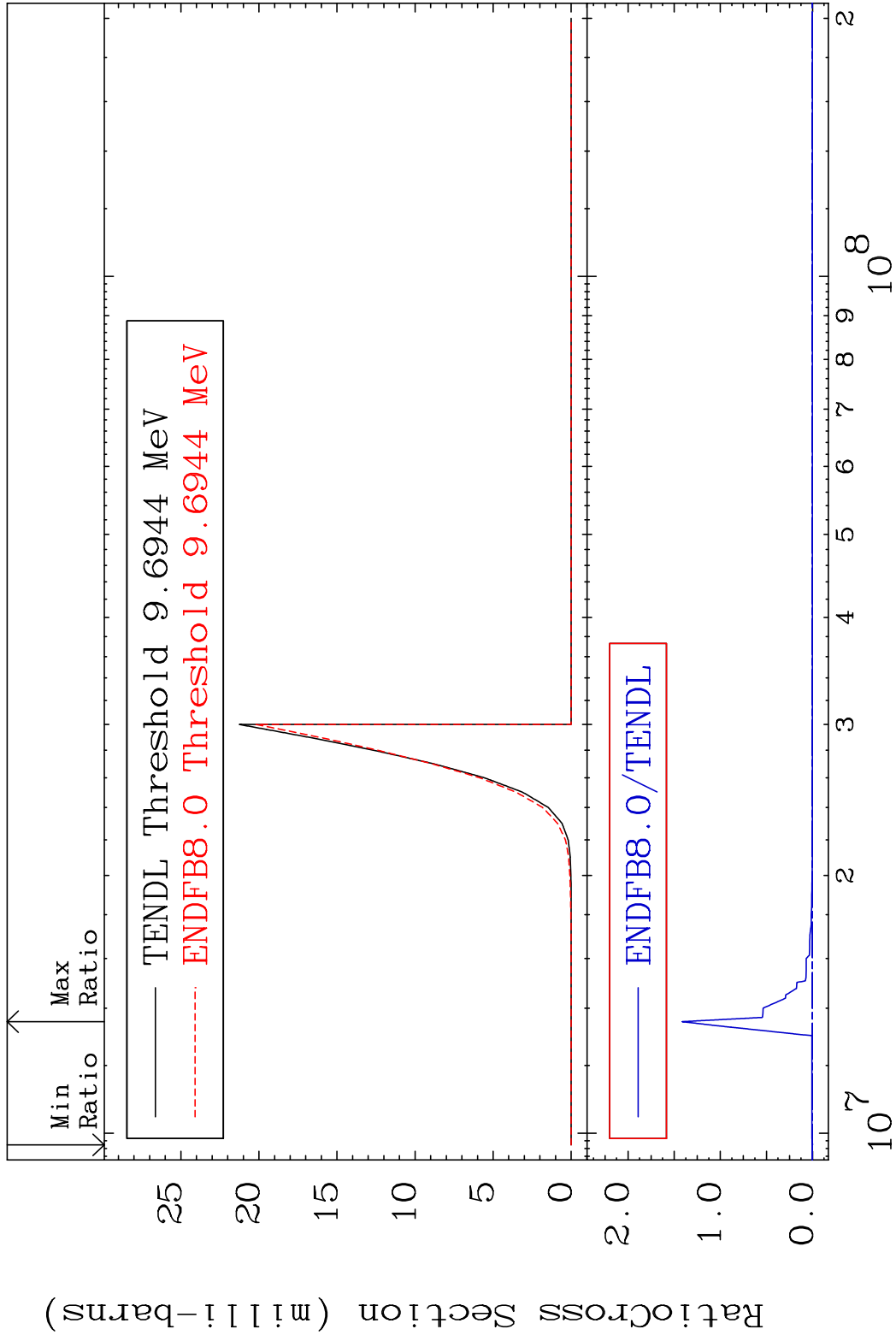
48-Cd-109

MAT 4834

(n,2n) α

48-Cd-109

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

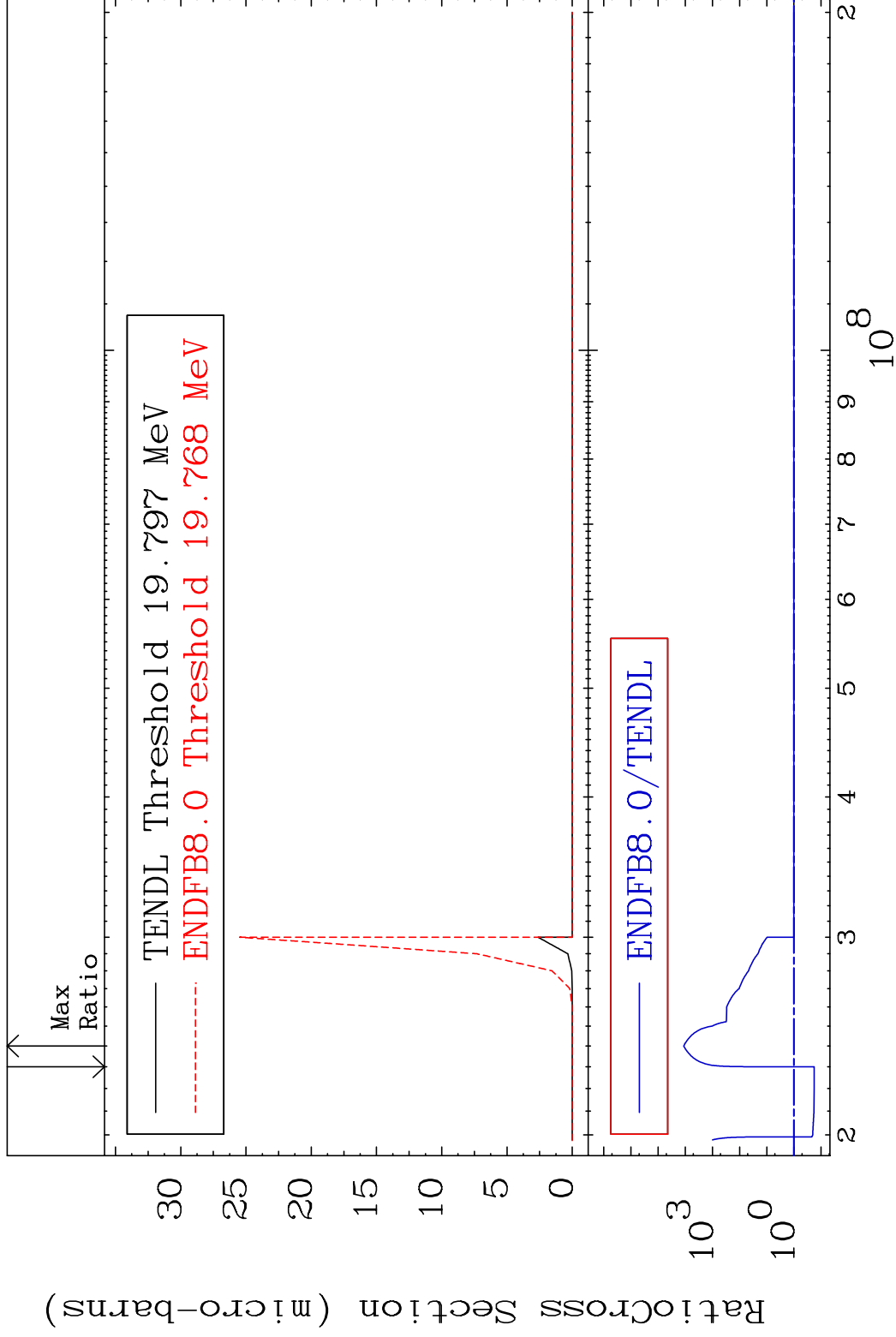
48-Cd-109

MAT 4834

(n,3n) α

48-Cd-109

Cross Section -81.90 To 9999. %



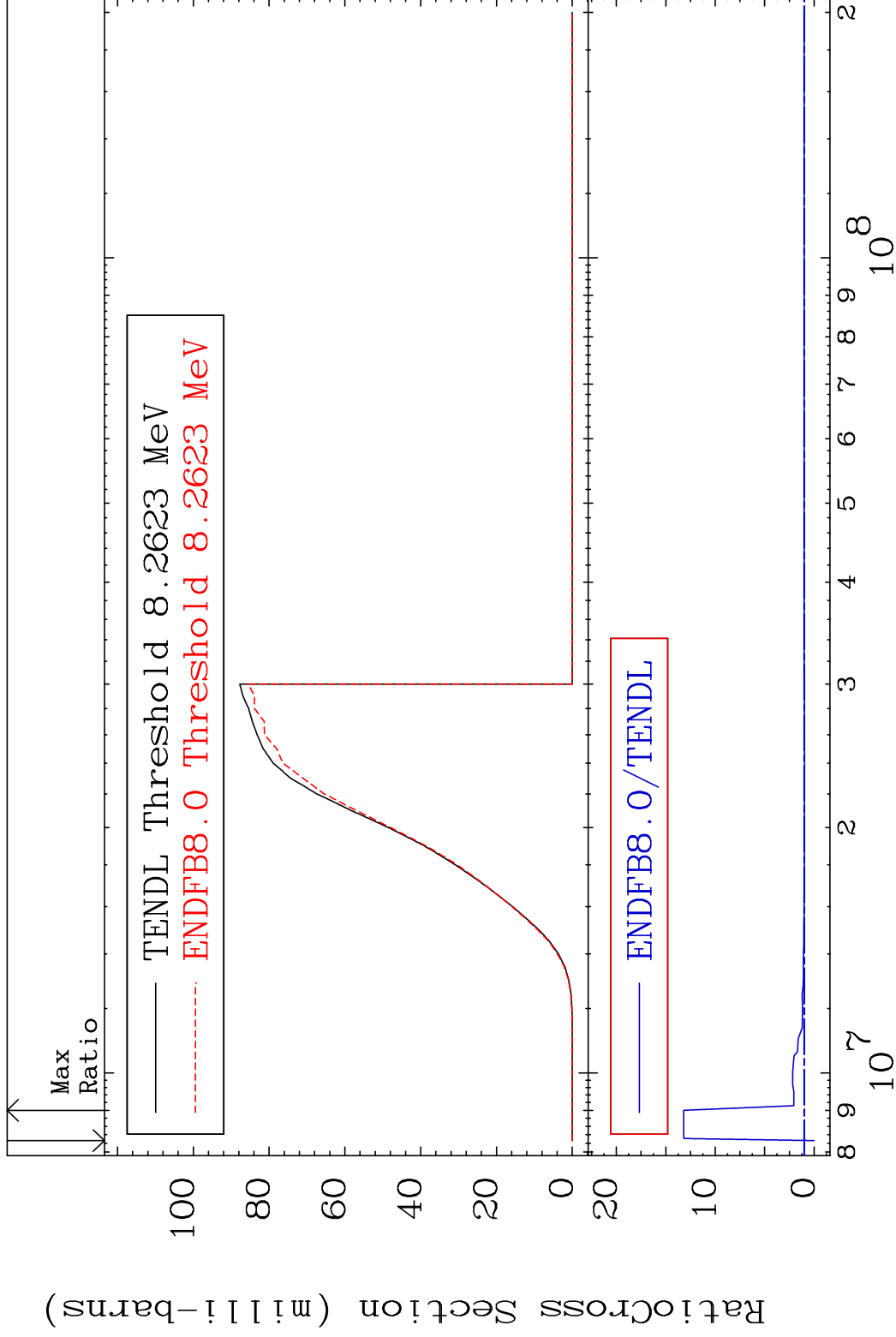
9

Incident Energy (eV)

48-Cd-109

MAT 4834

(n, n') p 48-Cd-109
Cross Section -100.0 To 1219. %

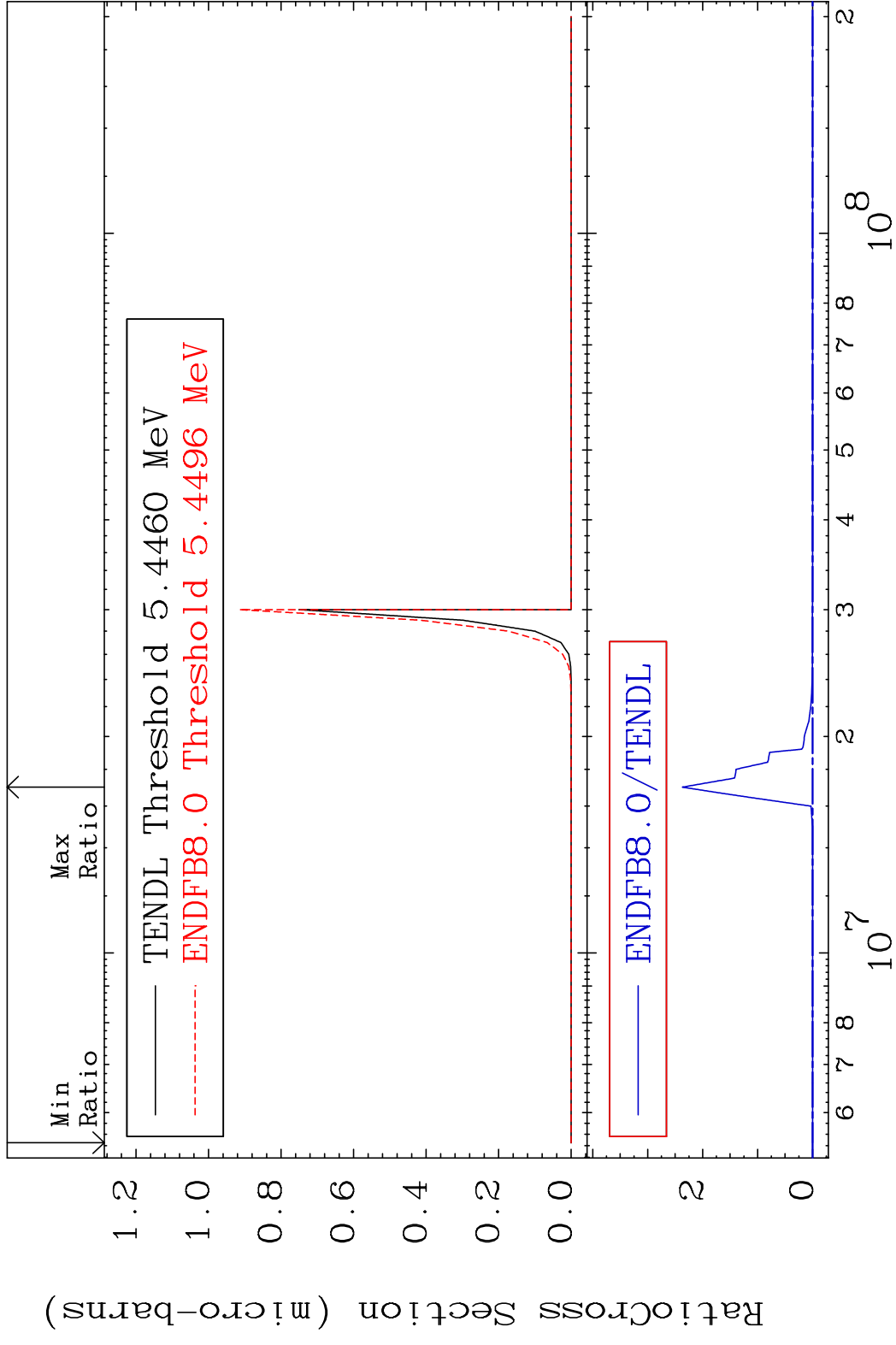


10

Incident Energy (eV)

48-Cd-109

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

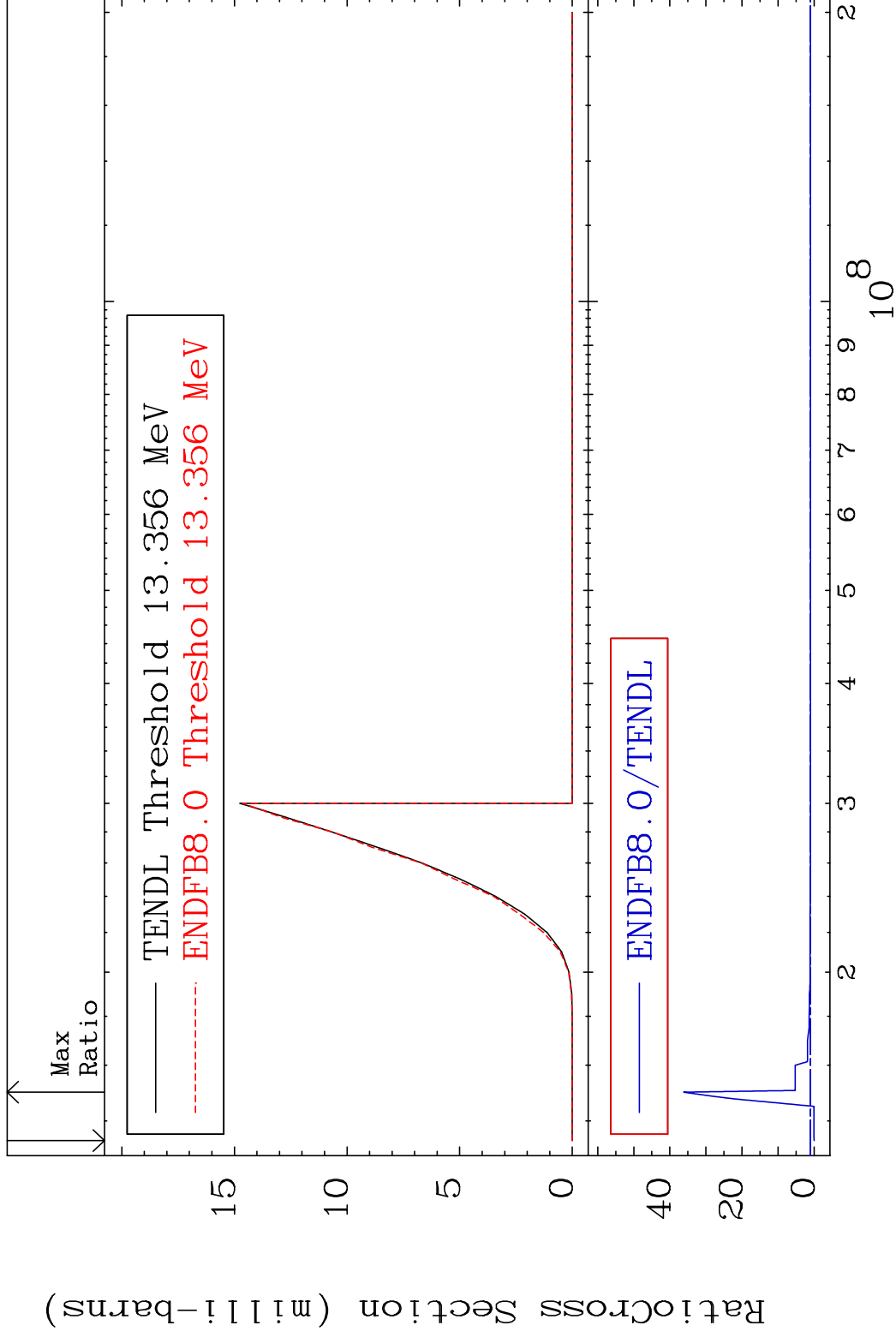


MAT 4834

(n, n') d

48-Cd-109

Cross Section -100.0 To 3517. %

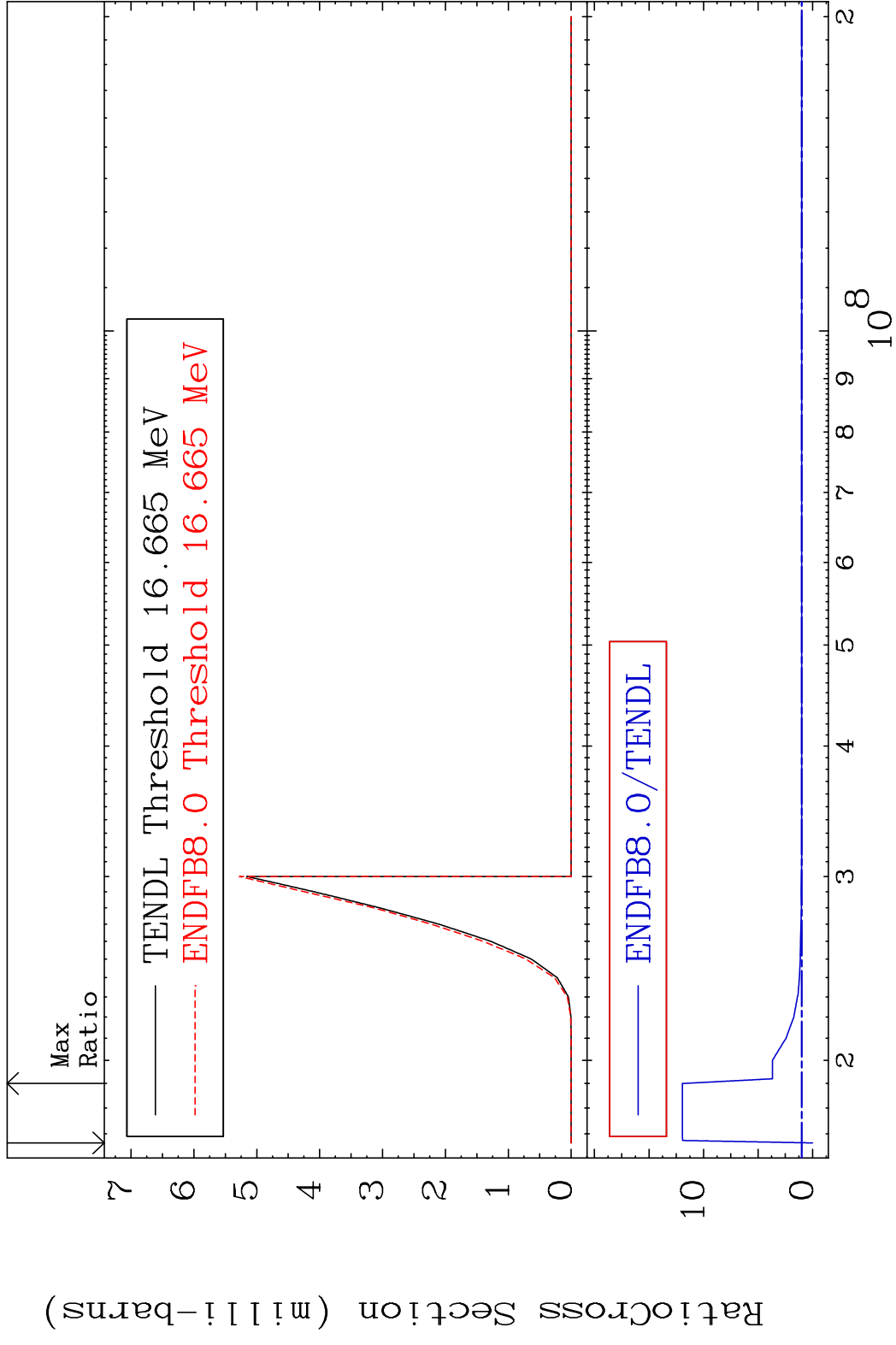


12

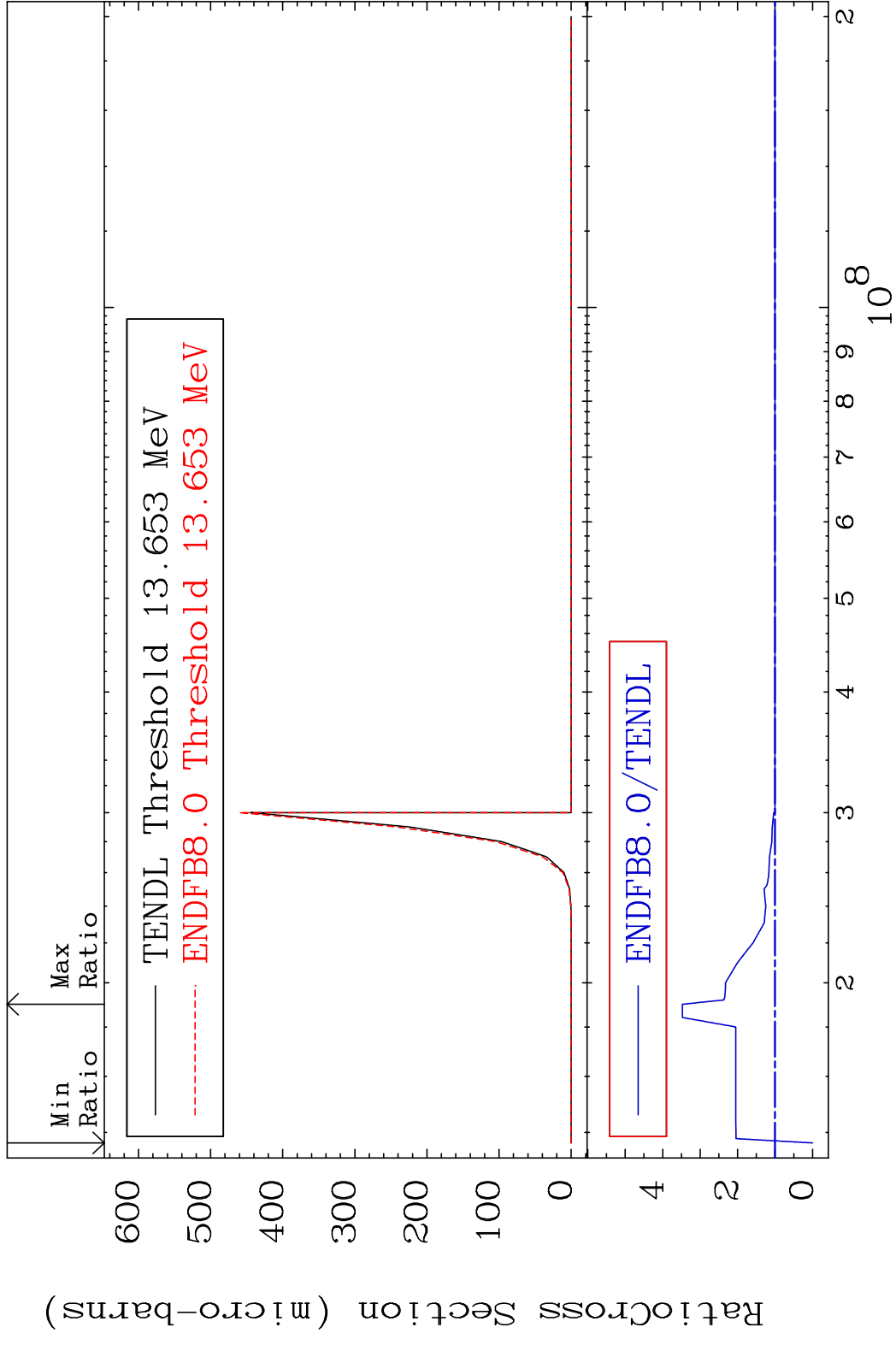
Incident Energy (eV)

48-Cd-109

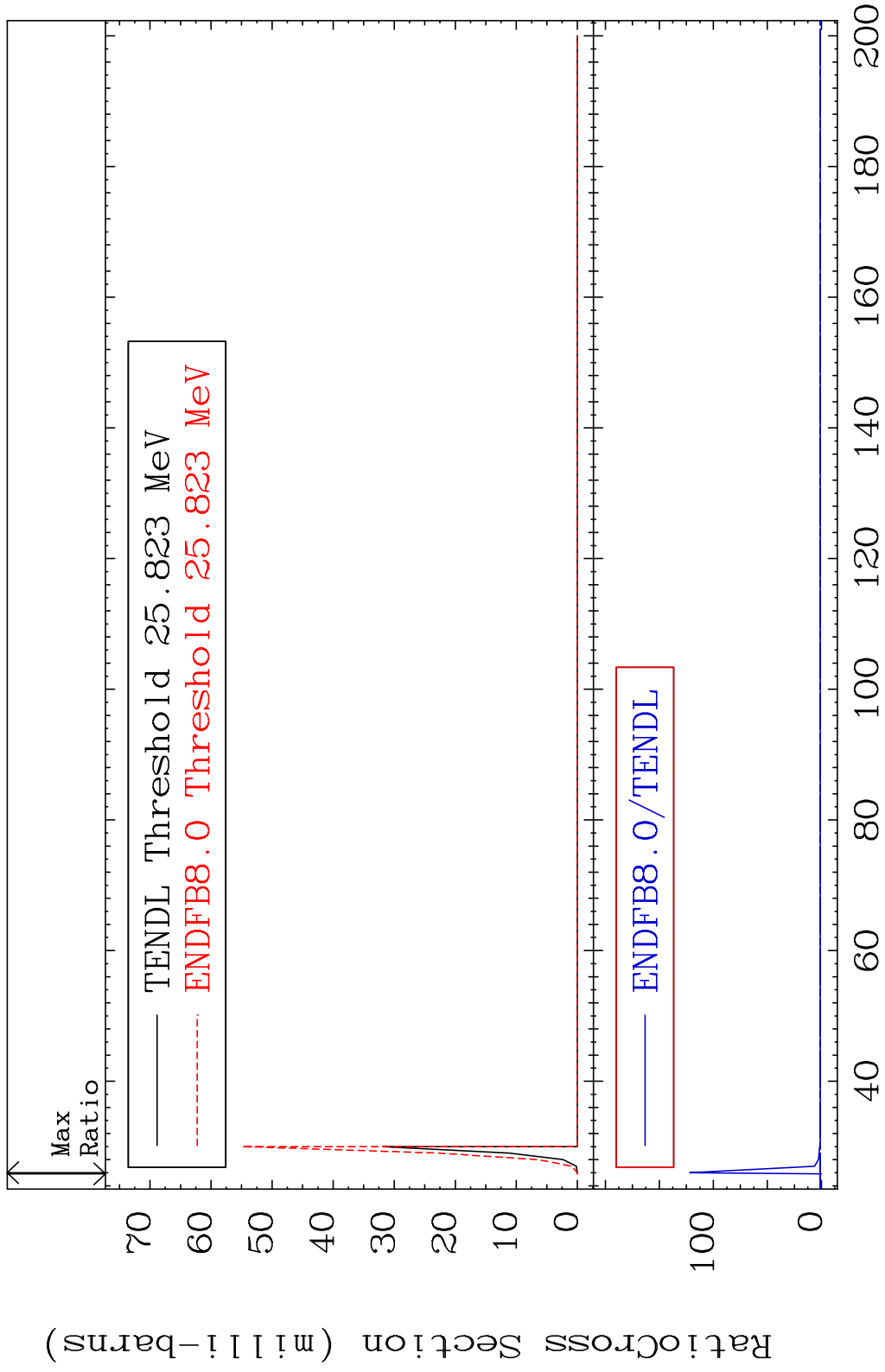
MAT 4834 (n, n') t 48-Cd-109
 Cross Section -100.0 To 1094. %



MAT 4834 (n,n') He-3 48-Cd-109
 Cross Section -100.0 To 247.5 %

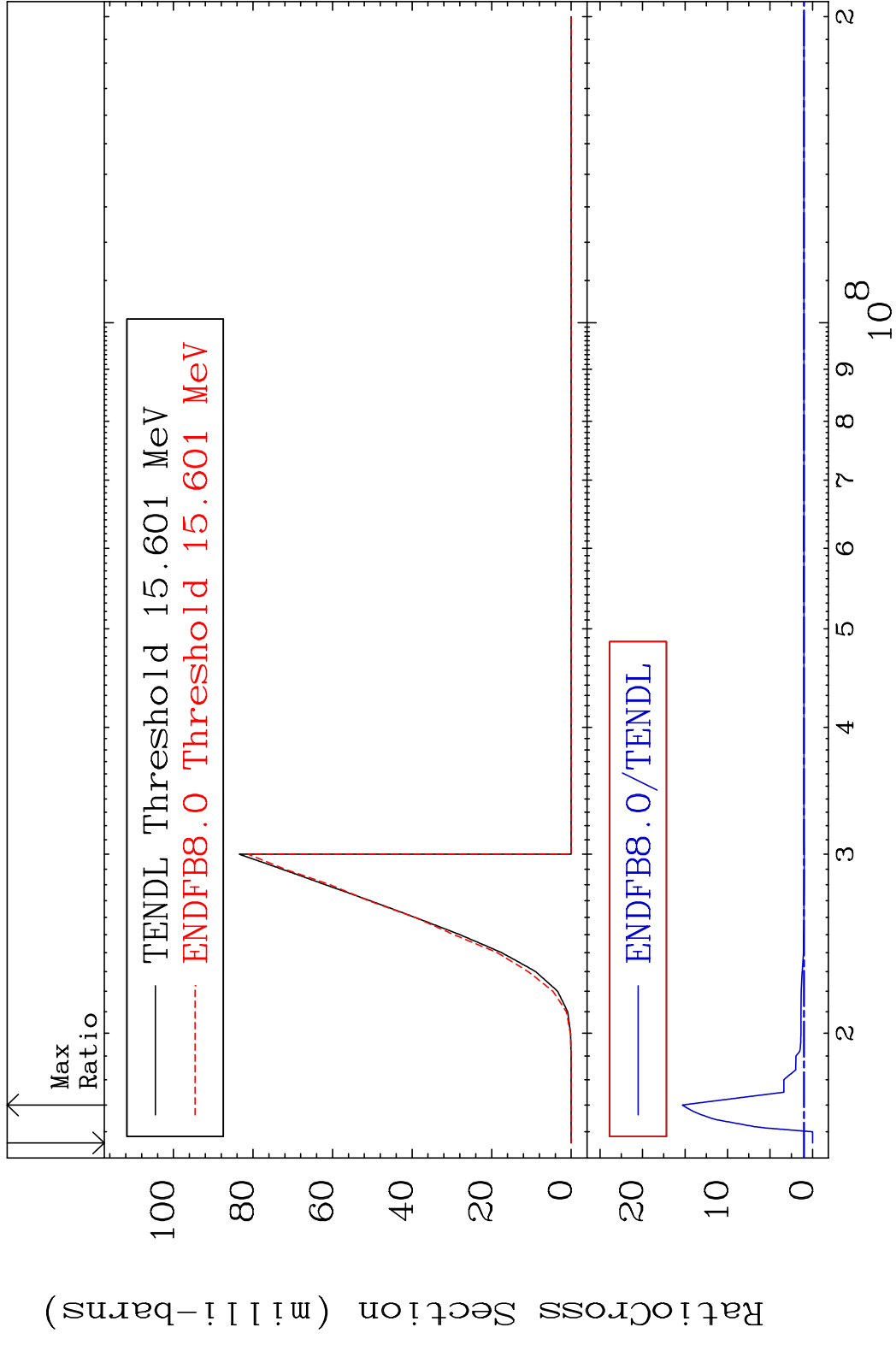


MAT 4834 (n,4n) 48-Cd-109
 Cross Section -100.0 To 9999. %

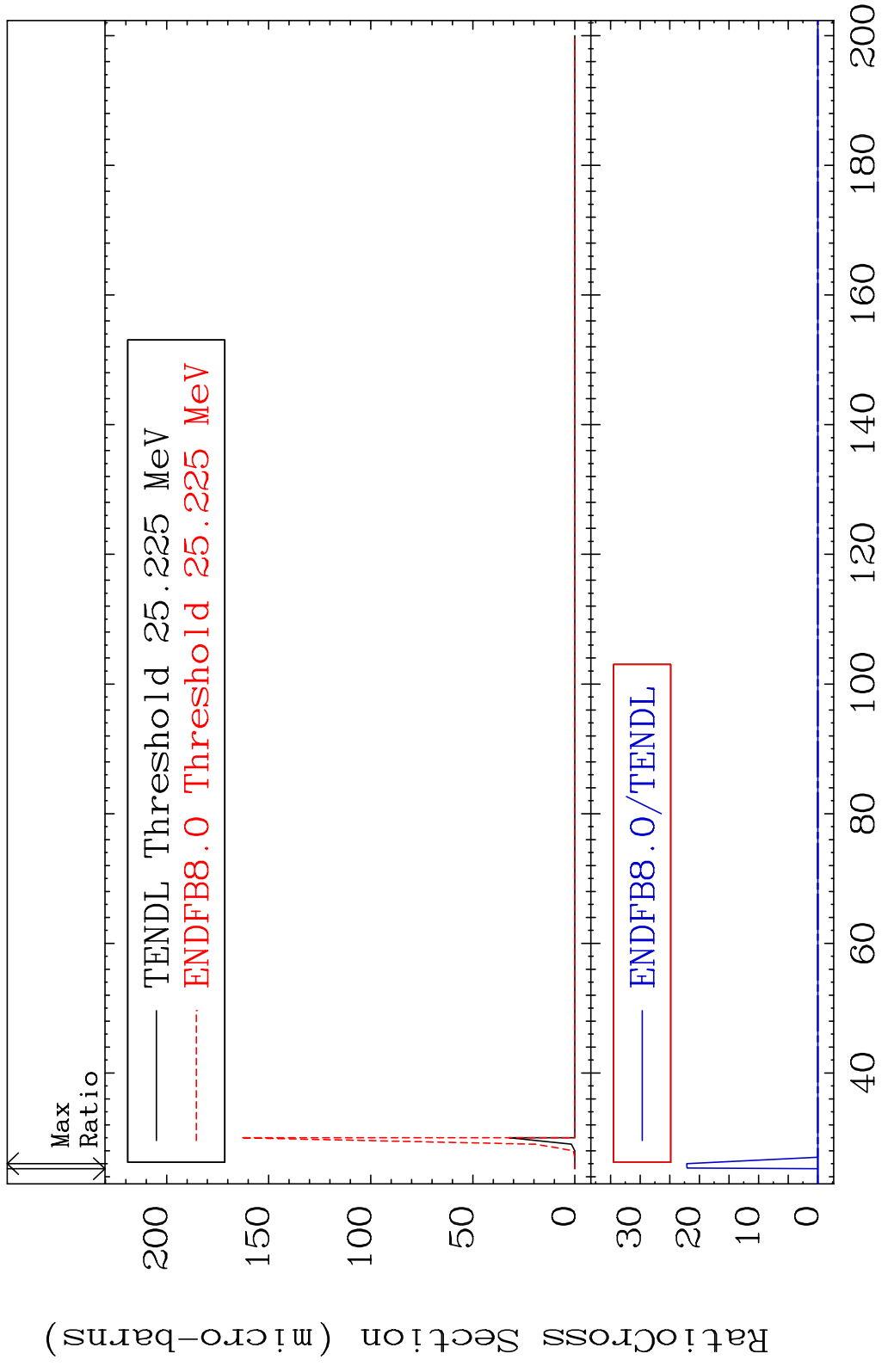


15 Incident Energy (MeV) 48-Cd-109

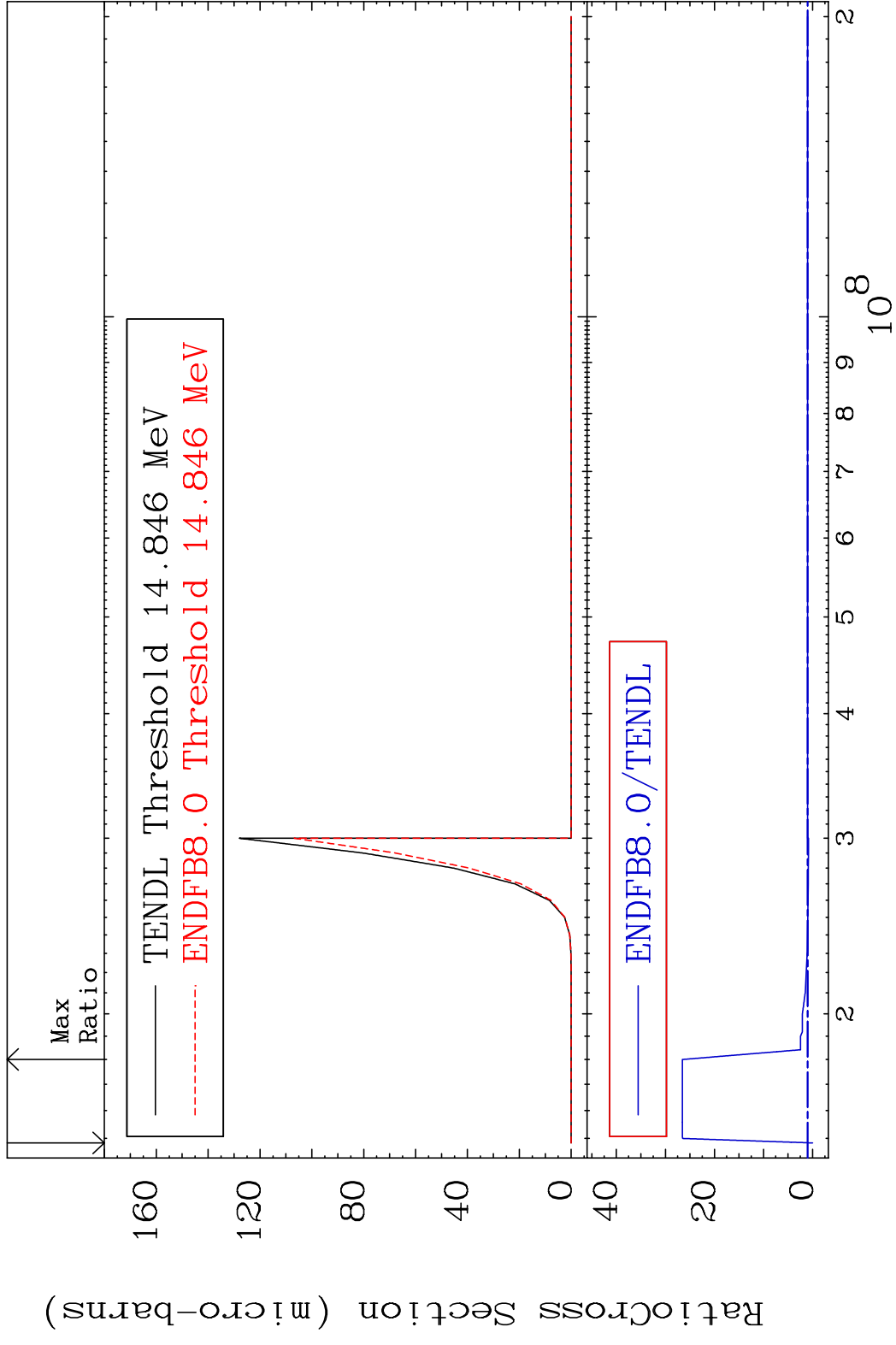
MAT 4834 (n,2n) p 48-Cd-109
 Cross Section -100.0 To 1431. %



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 2554. %

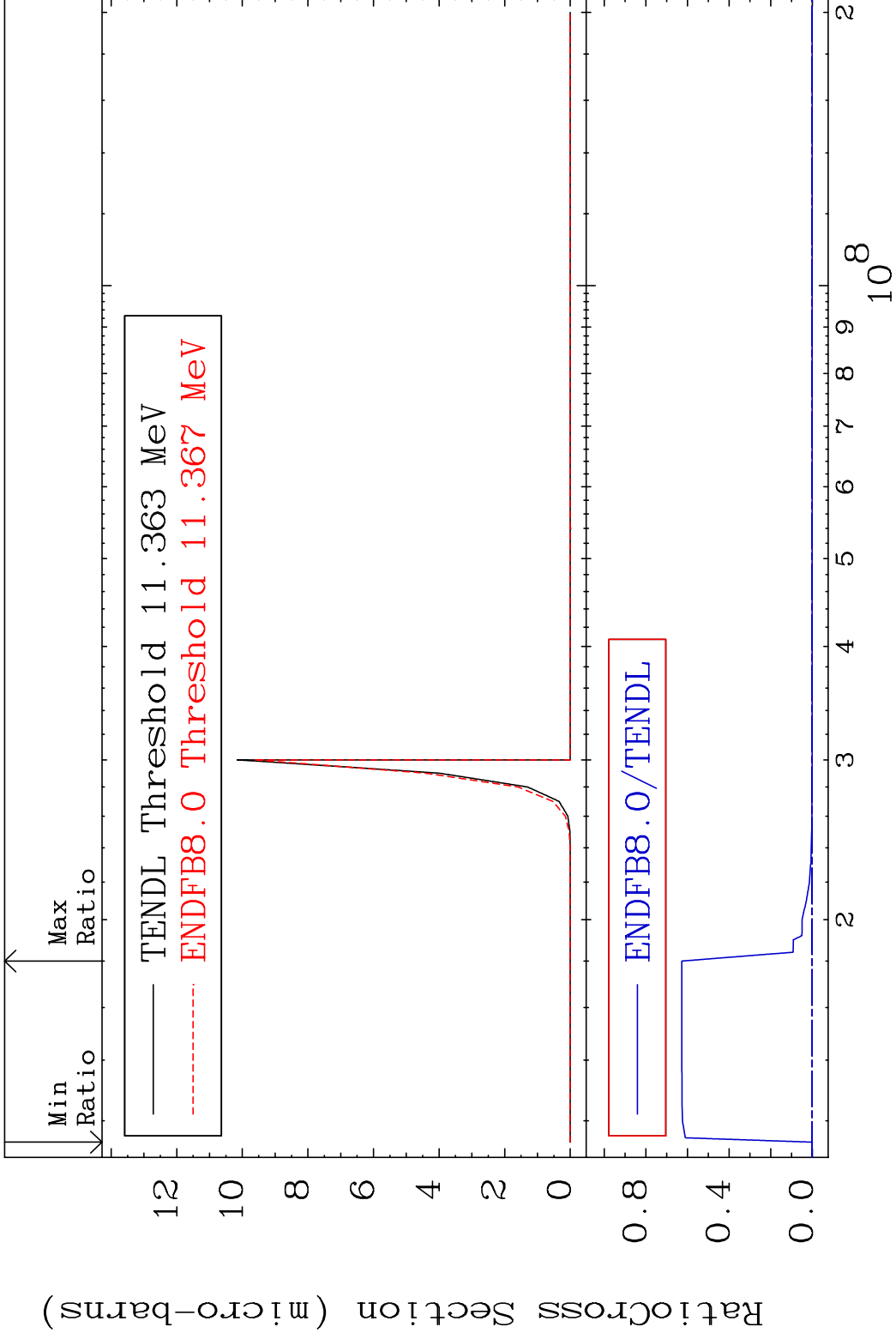


MAT 4834

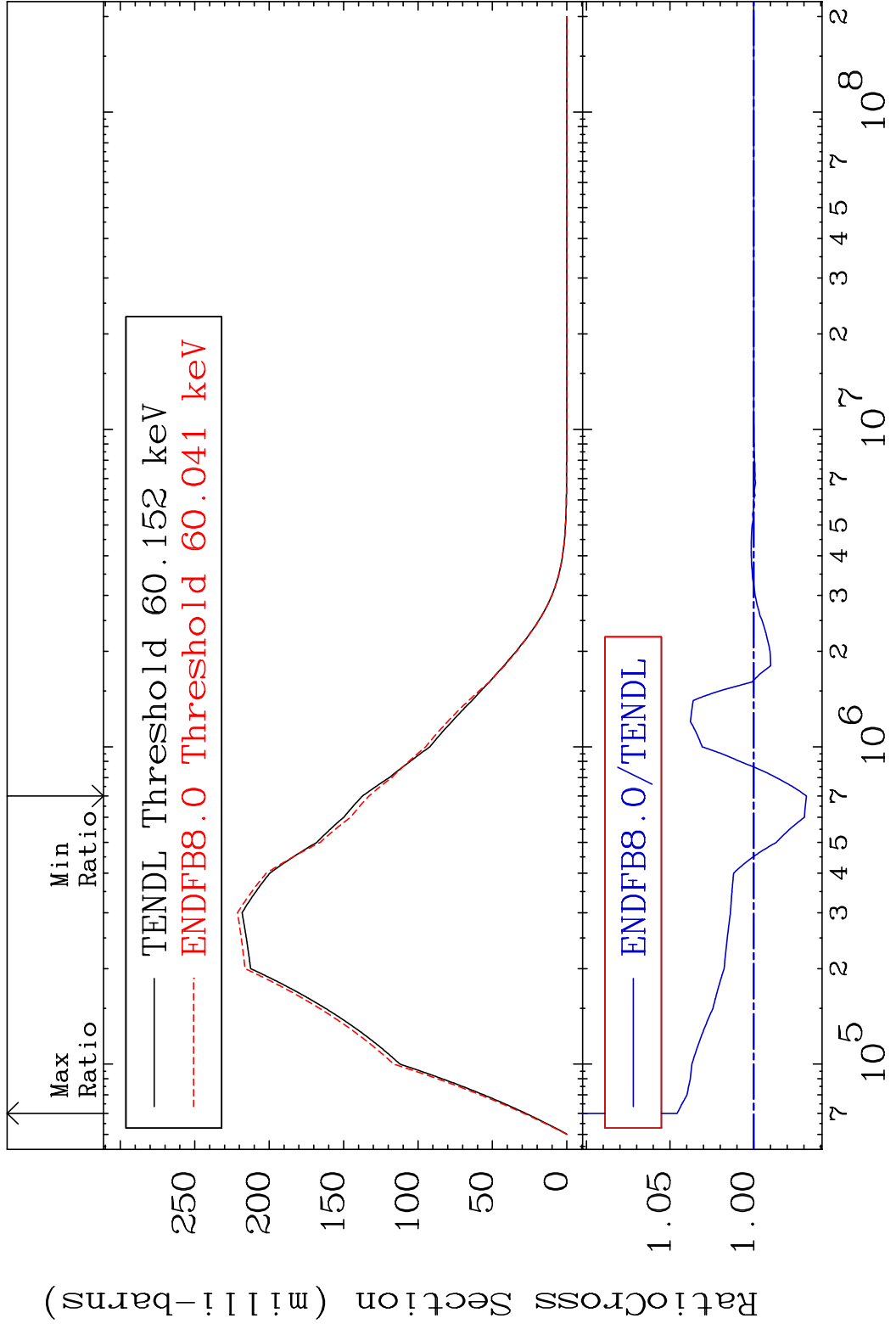
(n,n') p α

48-Cd-109

Cross Section -100.0 To 9999. %

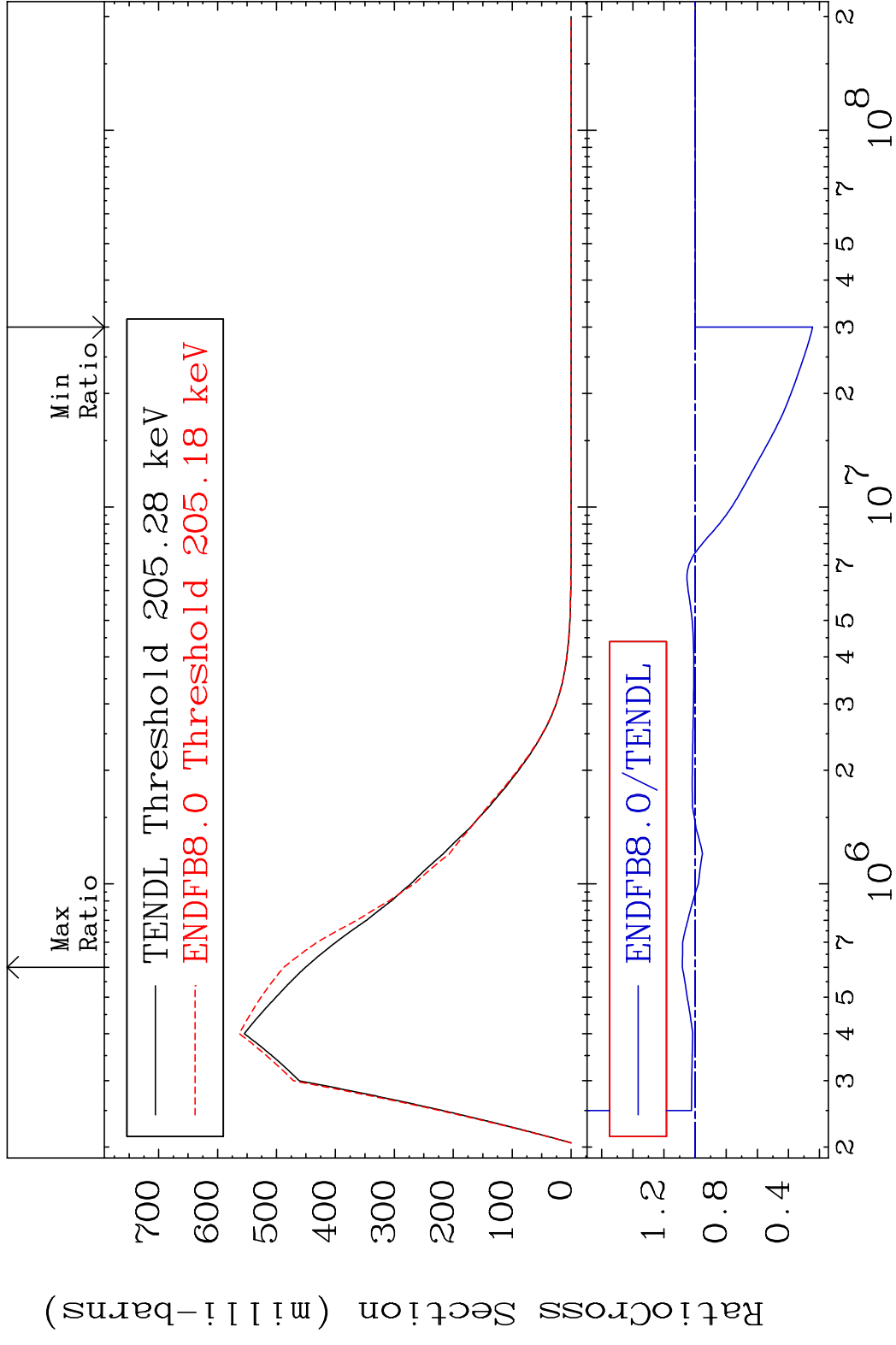


MAT 4834 MT= 51 (n,n') Level 48-Cd-109
 Cross Section -3.149 To 4.575 %

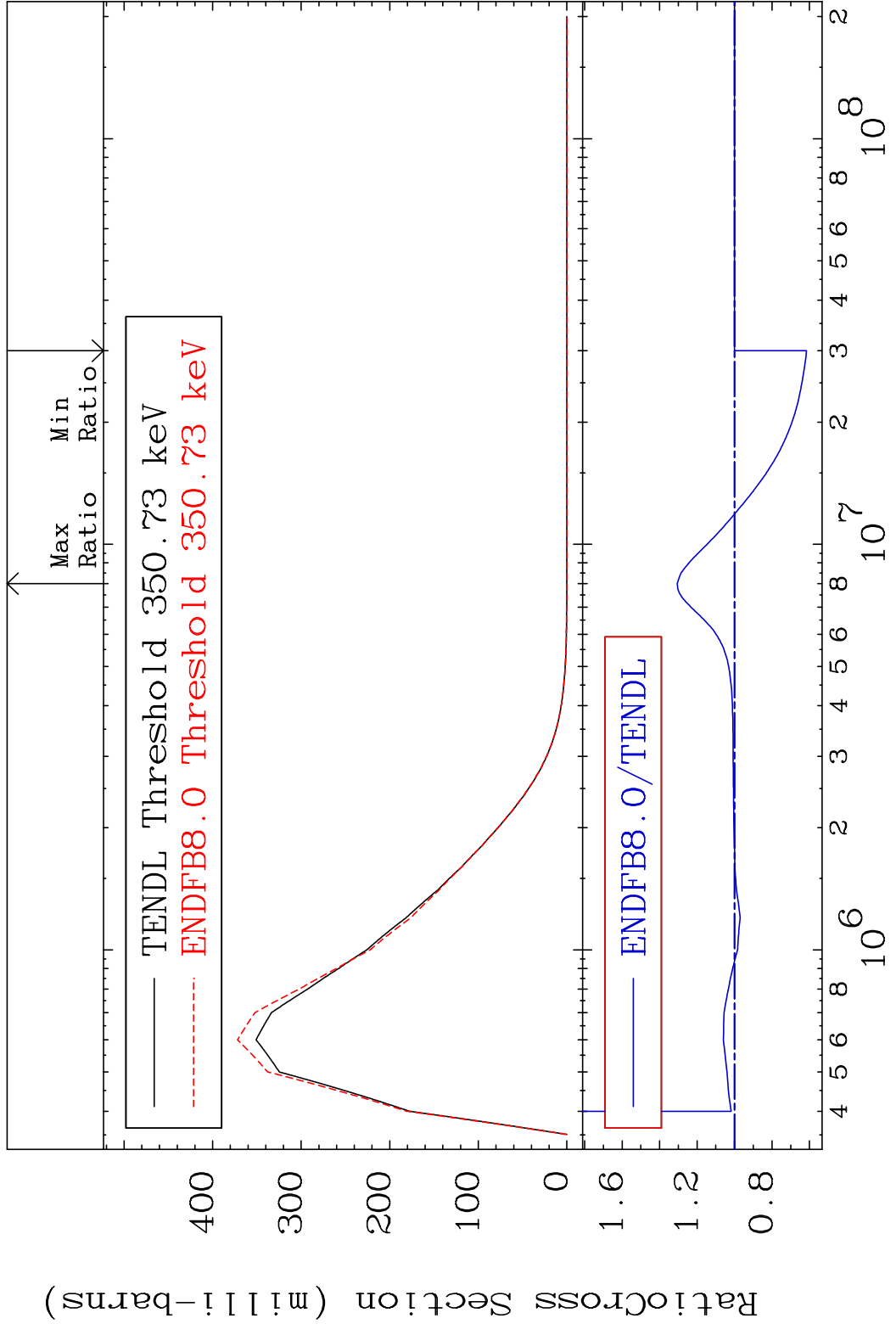


20 Incident Energy (eV) 48-Cd-109

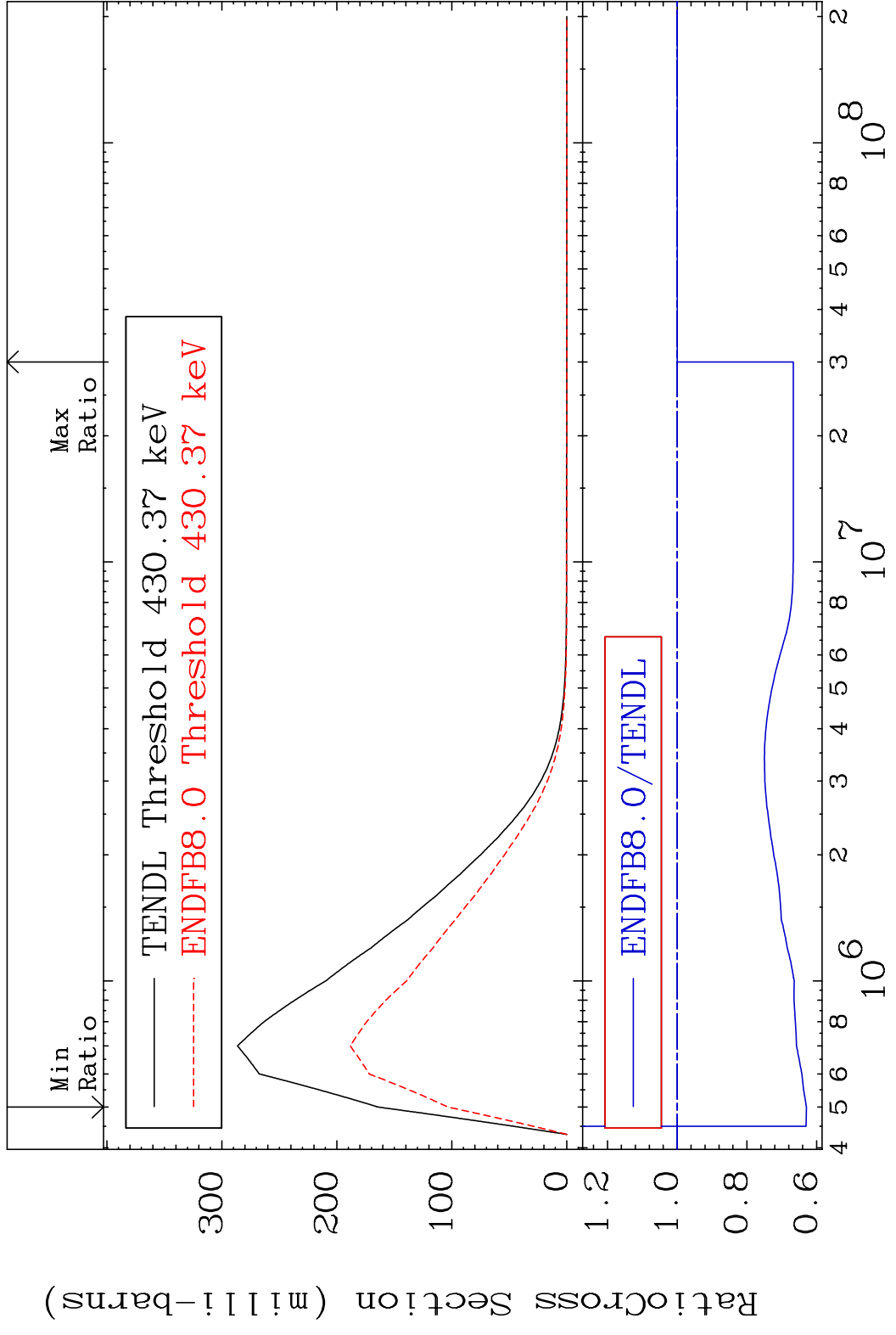
MAT 4834 MT= 52 (n,n') Level 48-Cd-109
 Cross Section -75.50 To 8.194 %



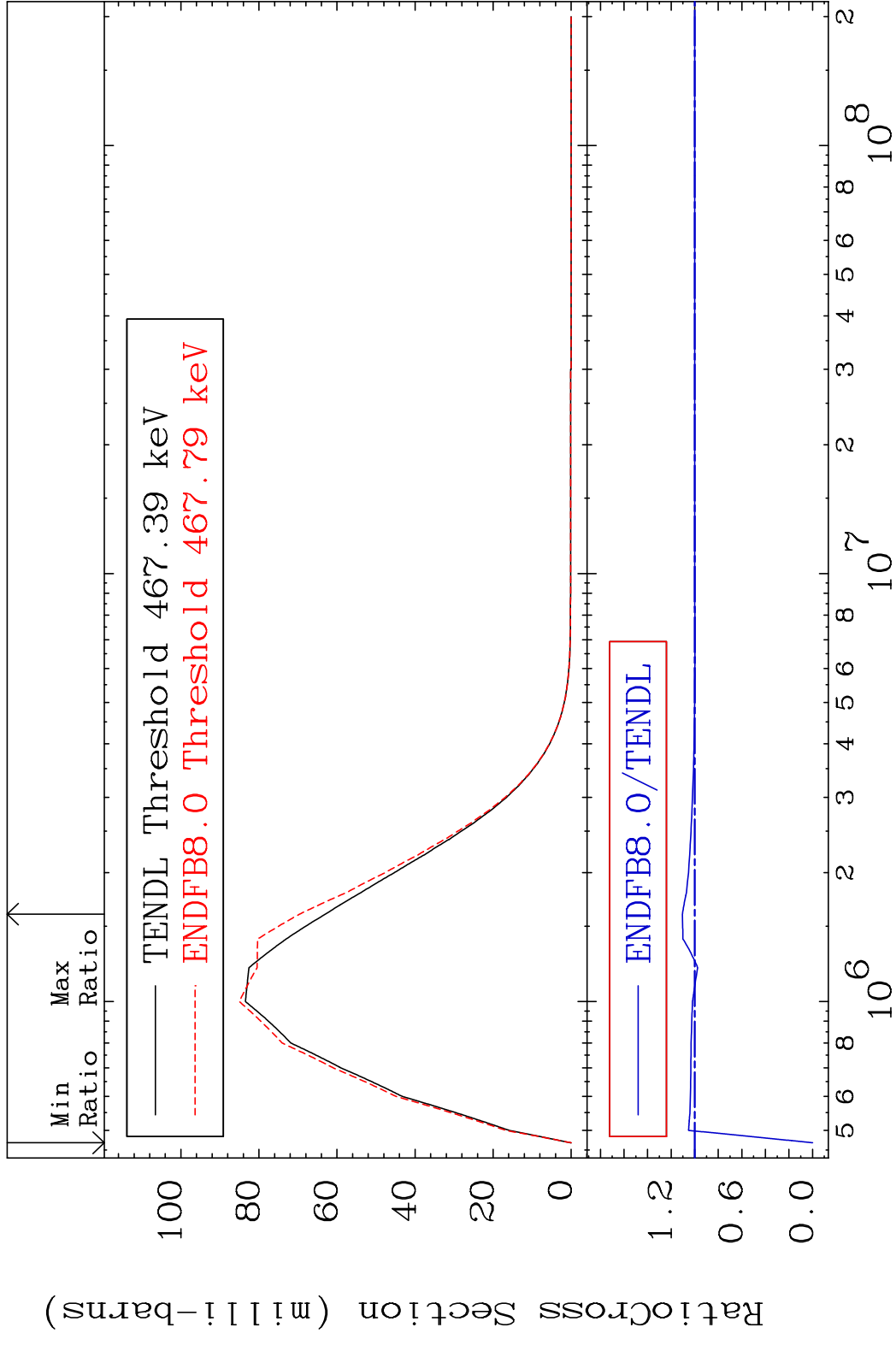
MAT 4834 MT= 53 (n, n') Level 48-Cd-109
 Cross Section -38.36 To 30.61 %



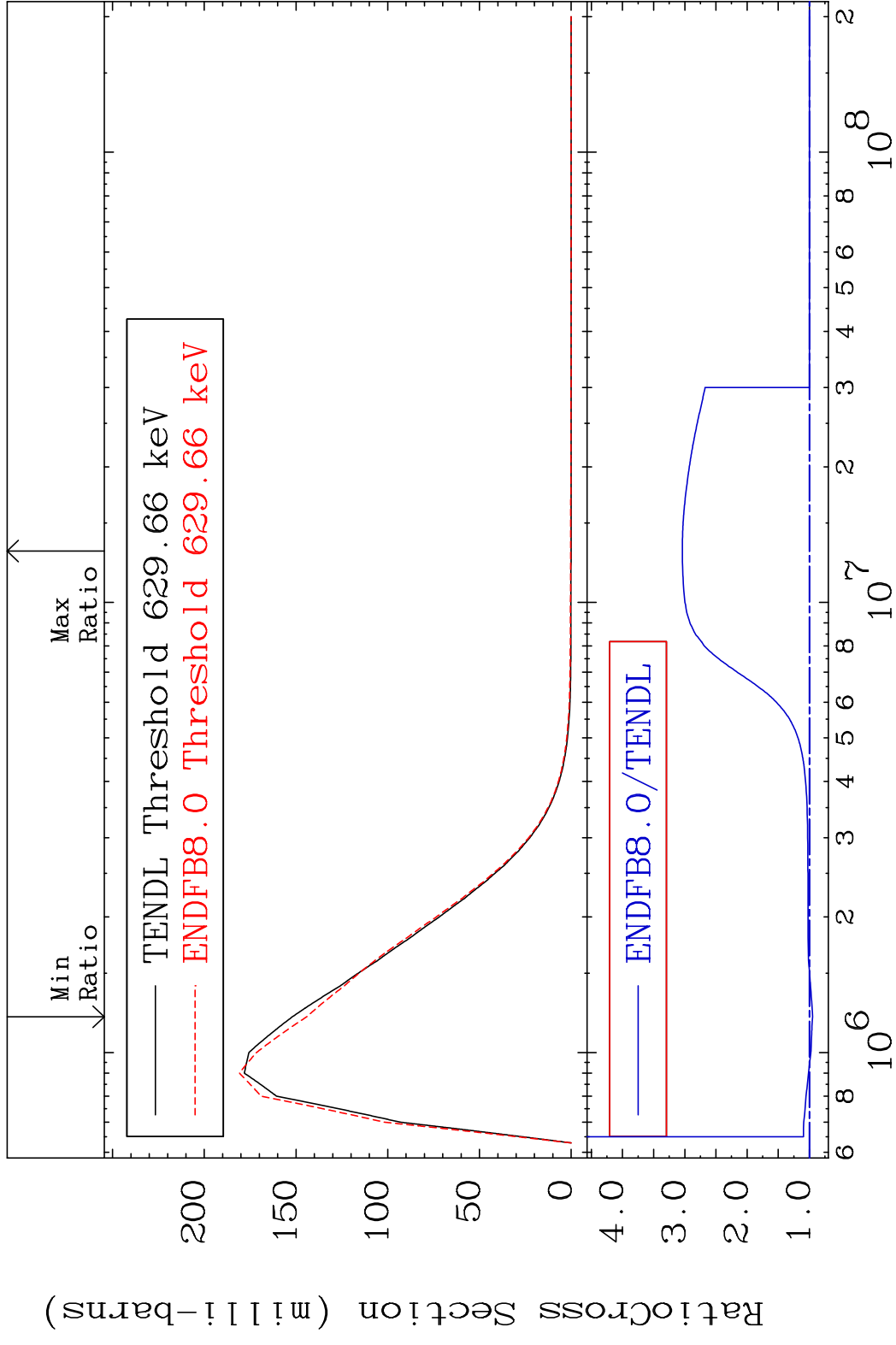
MAT 4834 MT= 54 (n,n') Level 48-Cd-109
 Cross Section -37.06 To 0.000 %



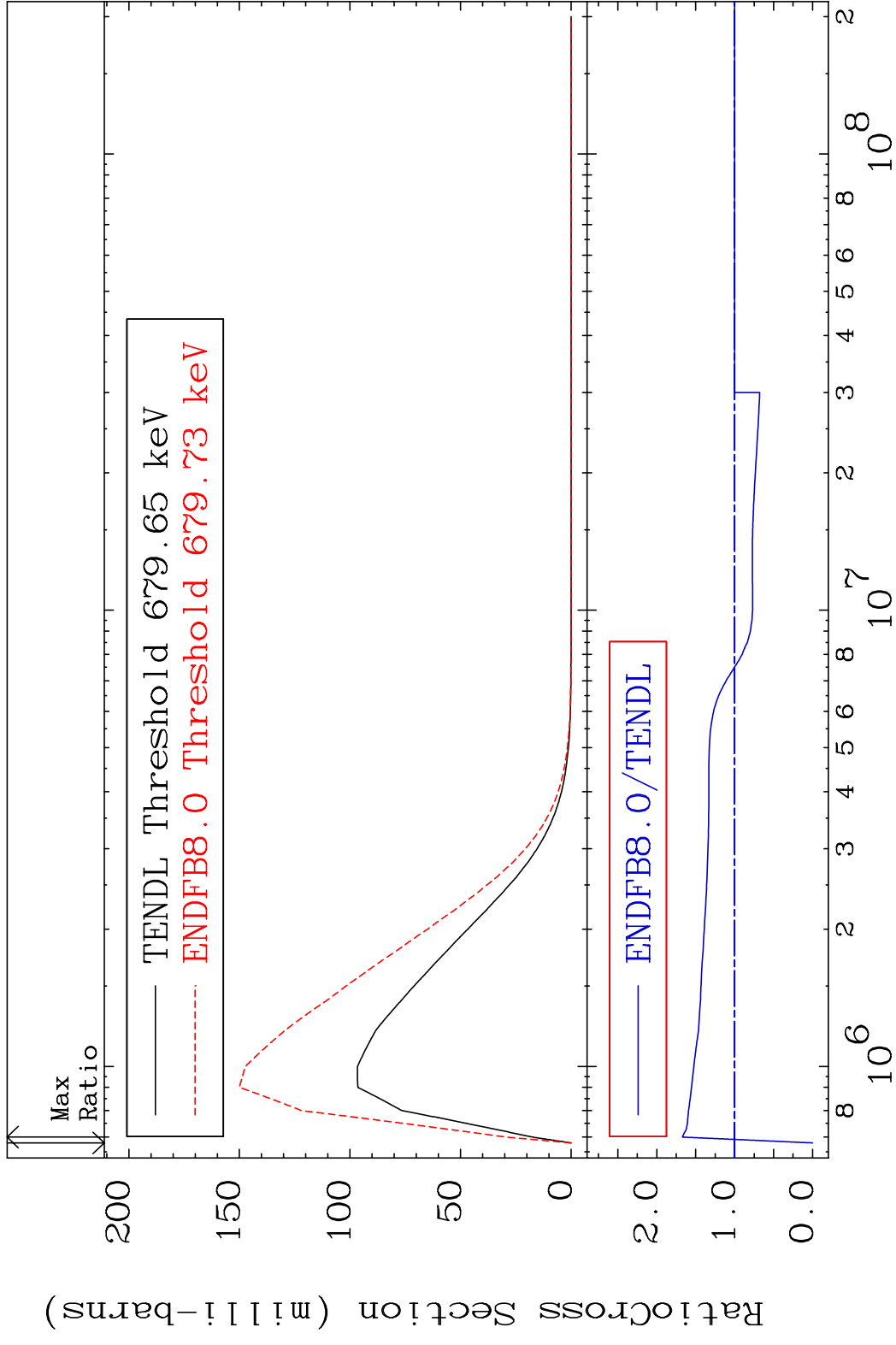
MAT 4834 MT= 55 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 10.50 %



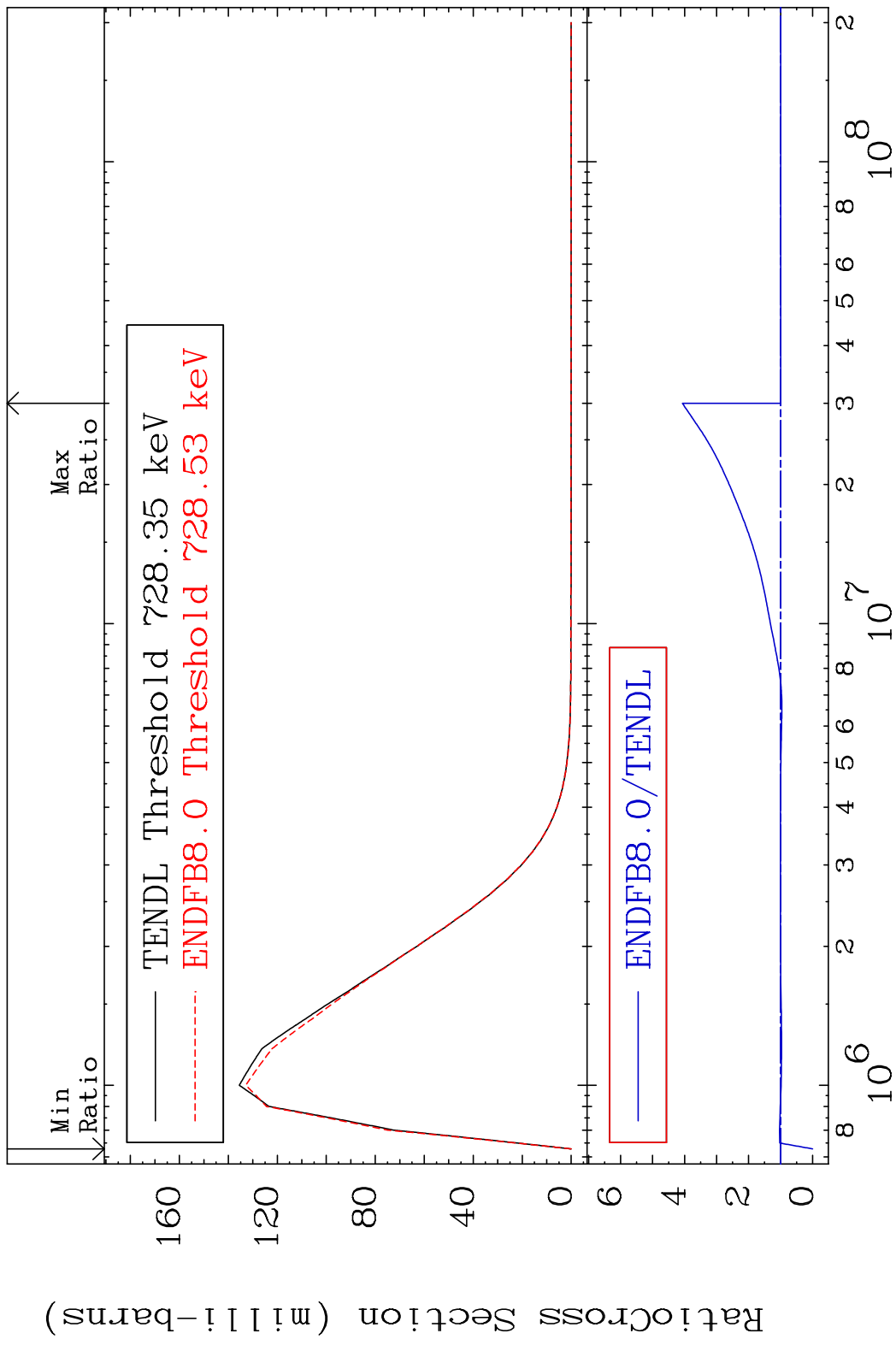
MAT 4834 MT= 56 (n,n') Level 48-Cd-109
 Cross Section -5.113 To 203.9 %



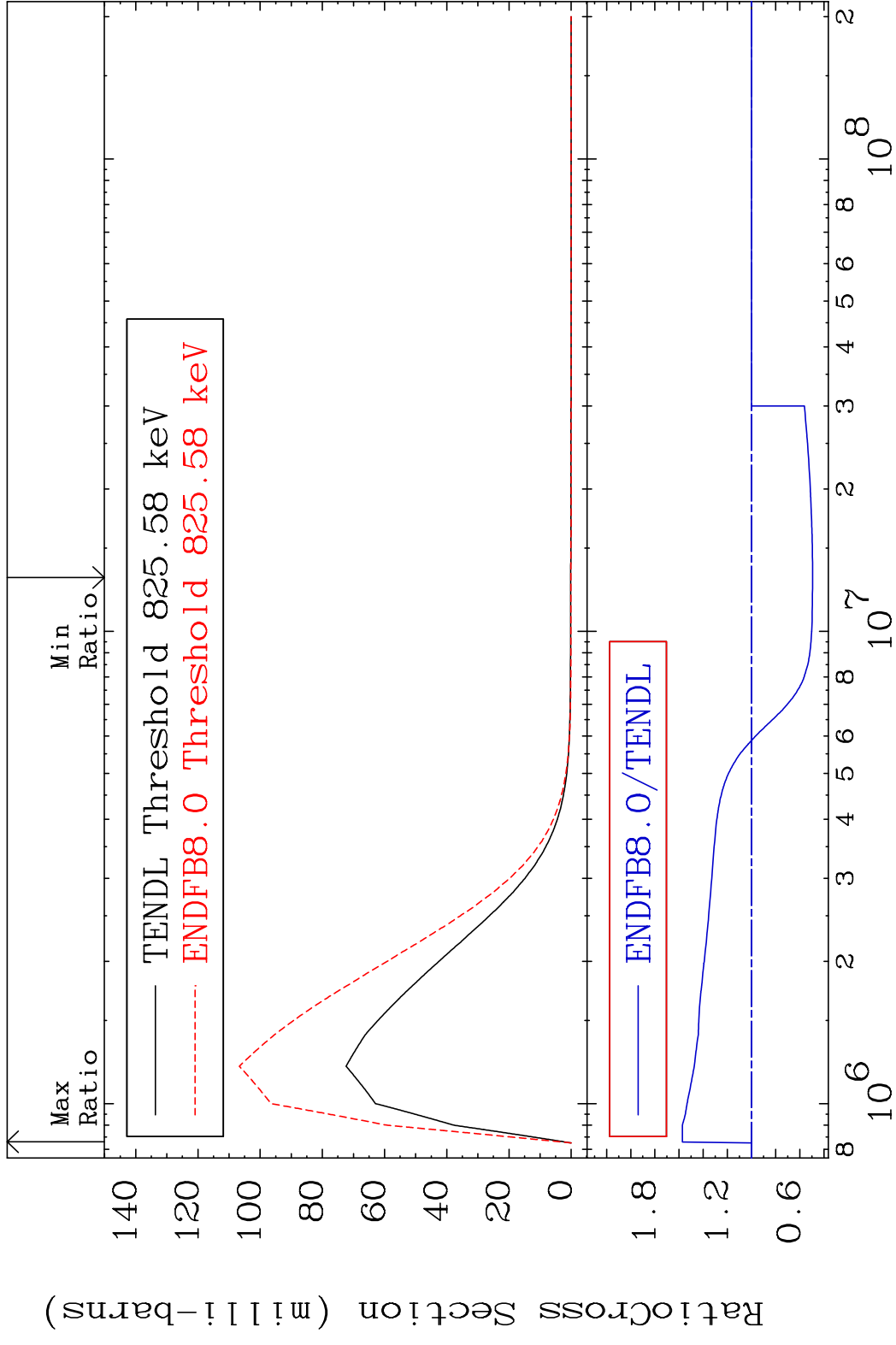
MAT 4834 MT= 57 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 67.16 %



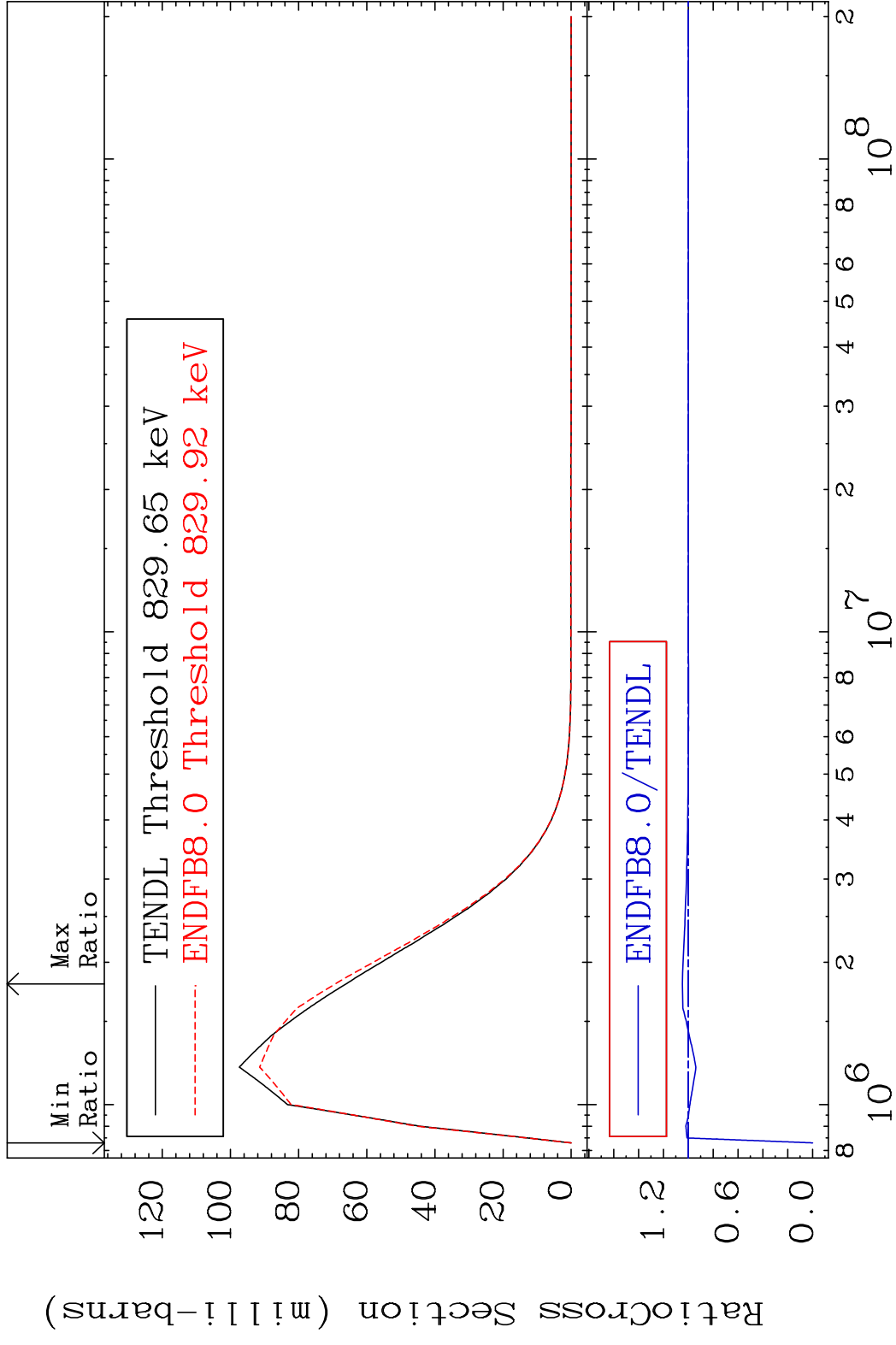
MAT 4834 MT= 58 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 307.0 %



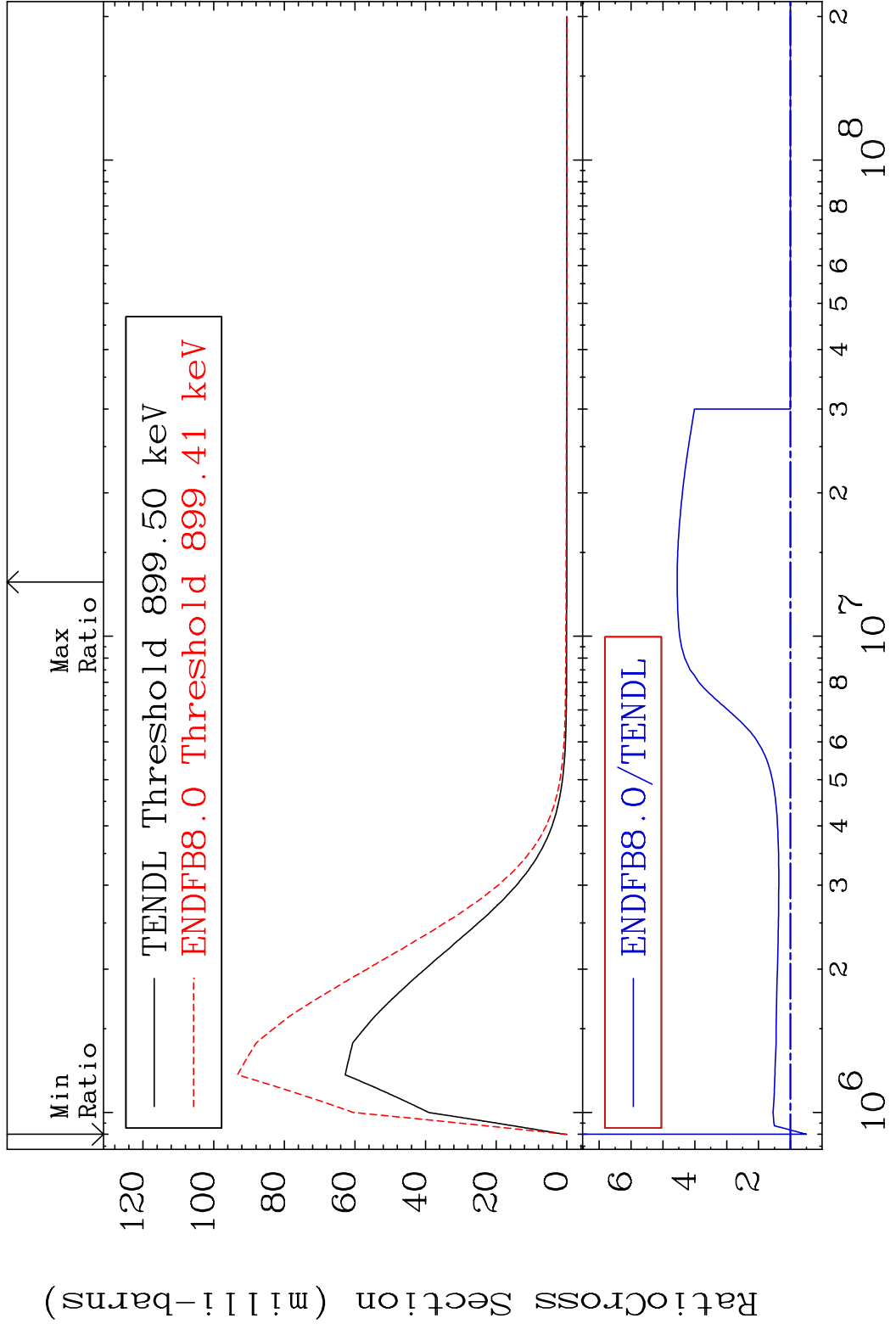
MAT 4834 MT= 59 (n, n') Level 48-Cd-109
 Cross Section -50.51 To 57.27 %



MAT 4834 MT= 60 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 4.779 %

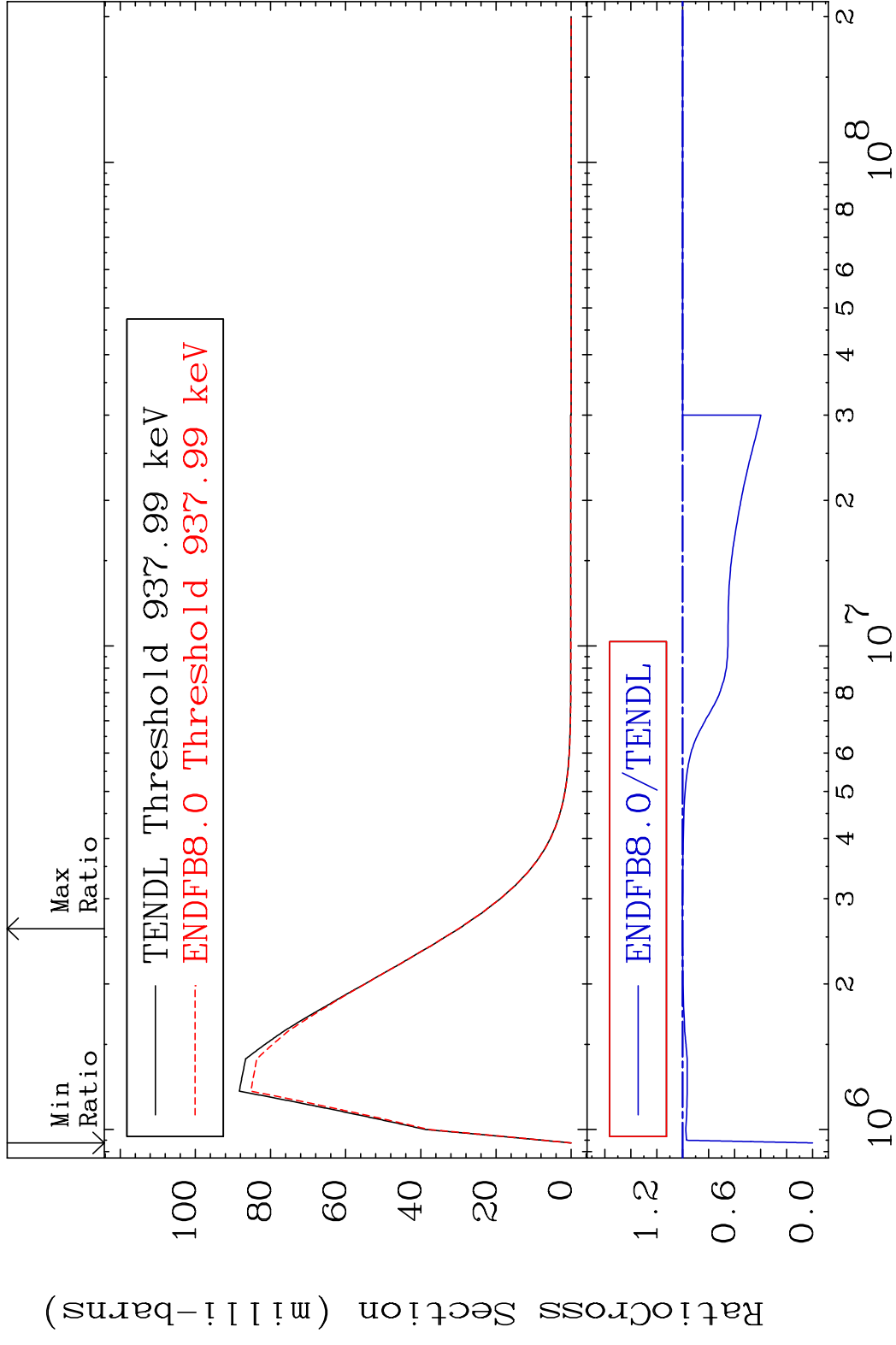


MAT 4834 MT= 61 (n, n') Level 48-Cd-109
 Cross Section -50.14 To 355.3 %

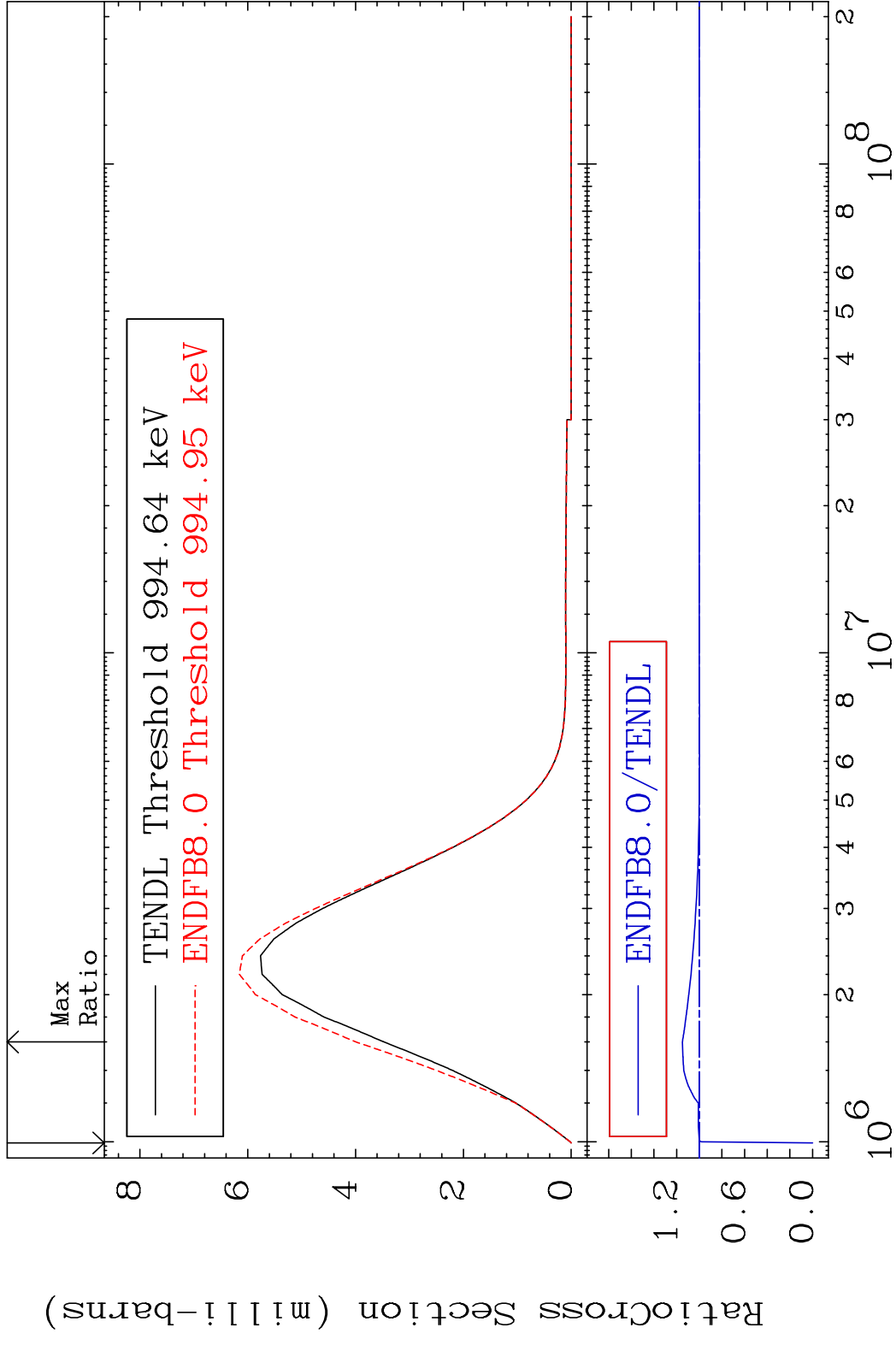


30 Incident Energy (eV) 48-Cd-109

MAT 4834 MT= 62 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 0.280 %

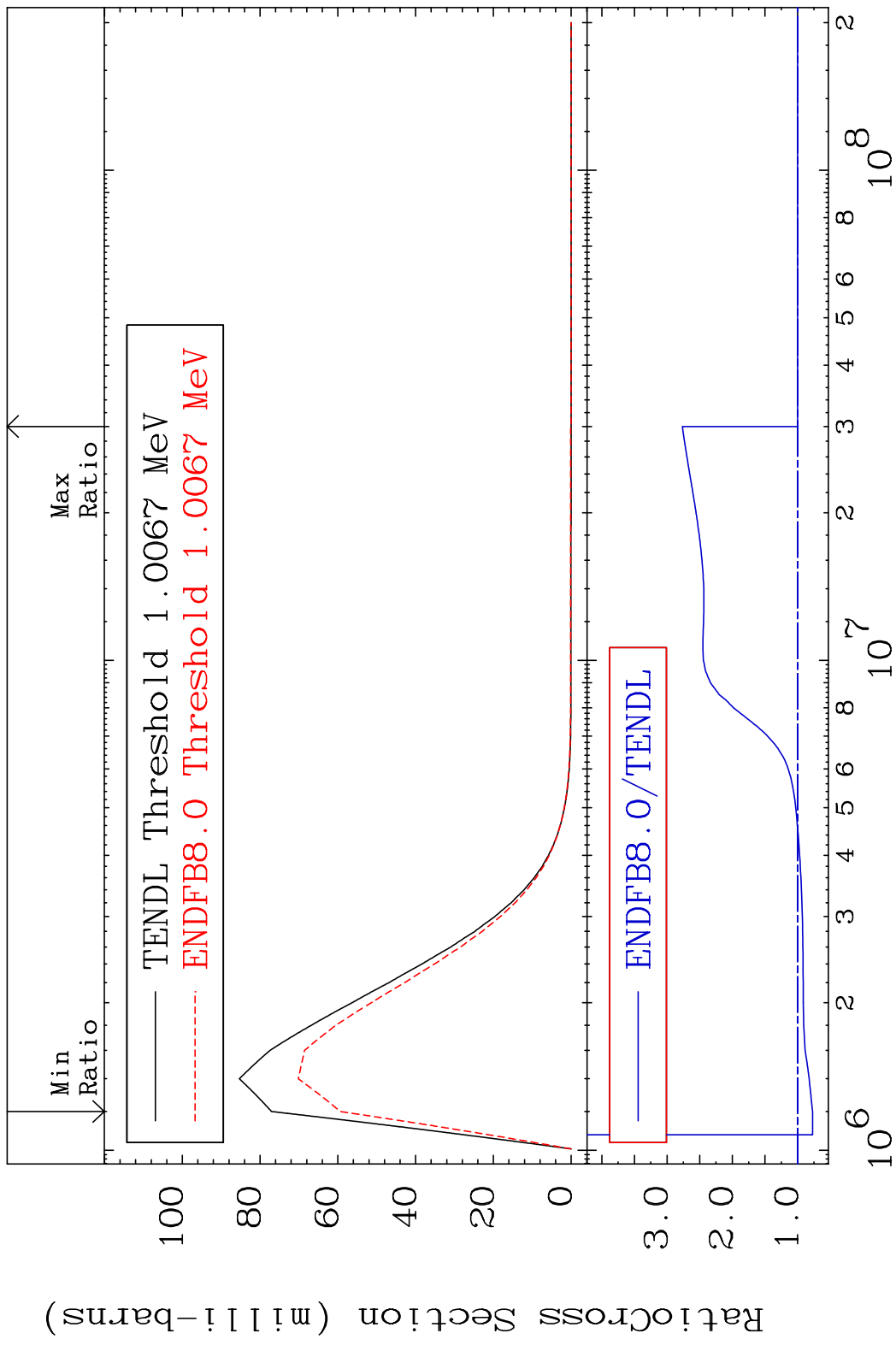


MAT 4834 MT= 63 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 14.94 %



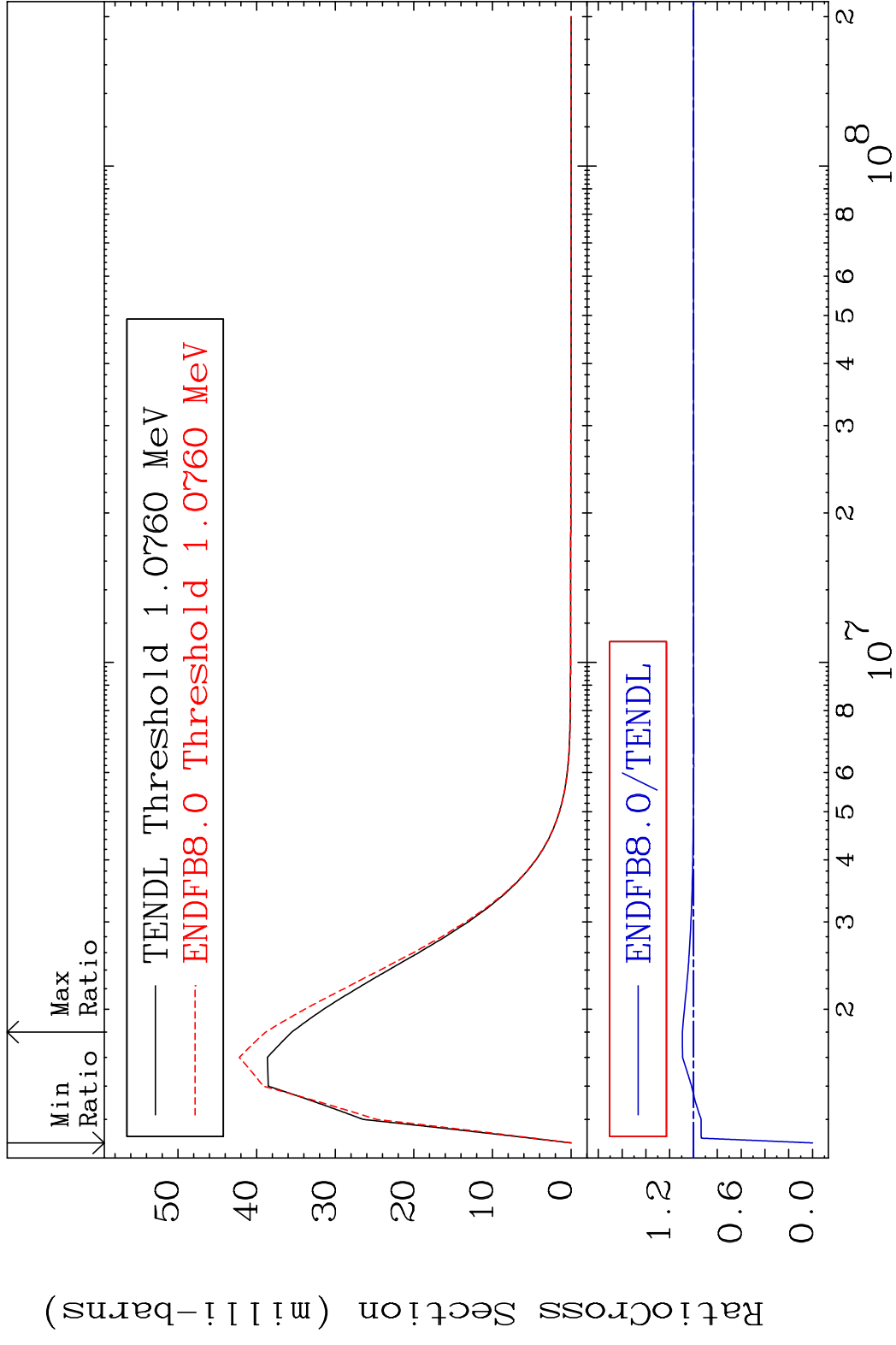
32 Incident Energy (eV) 48-Cd-109

MAT 4834 MT= 64 (n, n') Level 48-Cd-109
 Cross Section -22.95 To 176.6 %

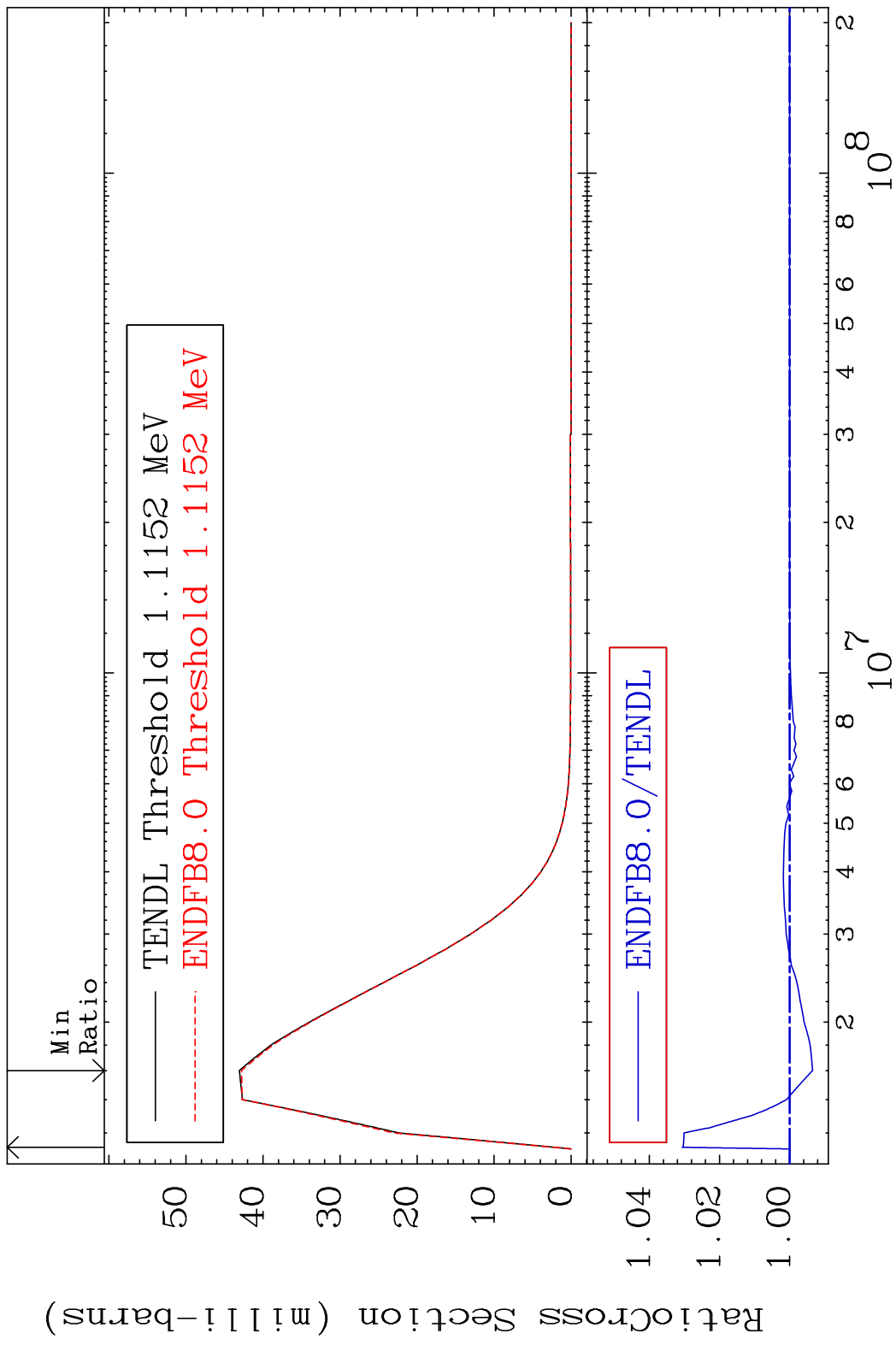


33 Incident Energy (eV) 48-Cd-109

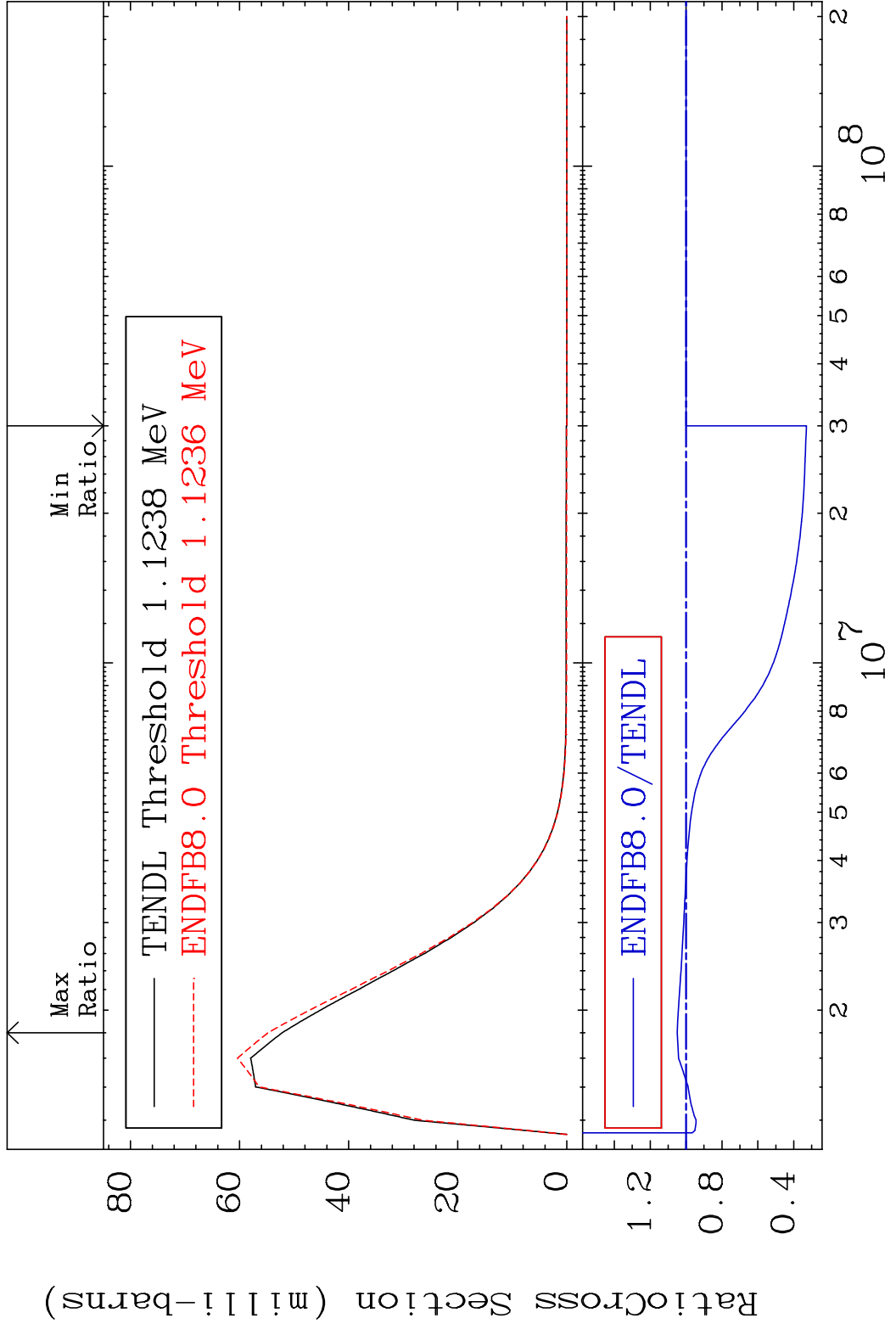
MAT 4834 MT= 65 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 9.374 %



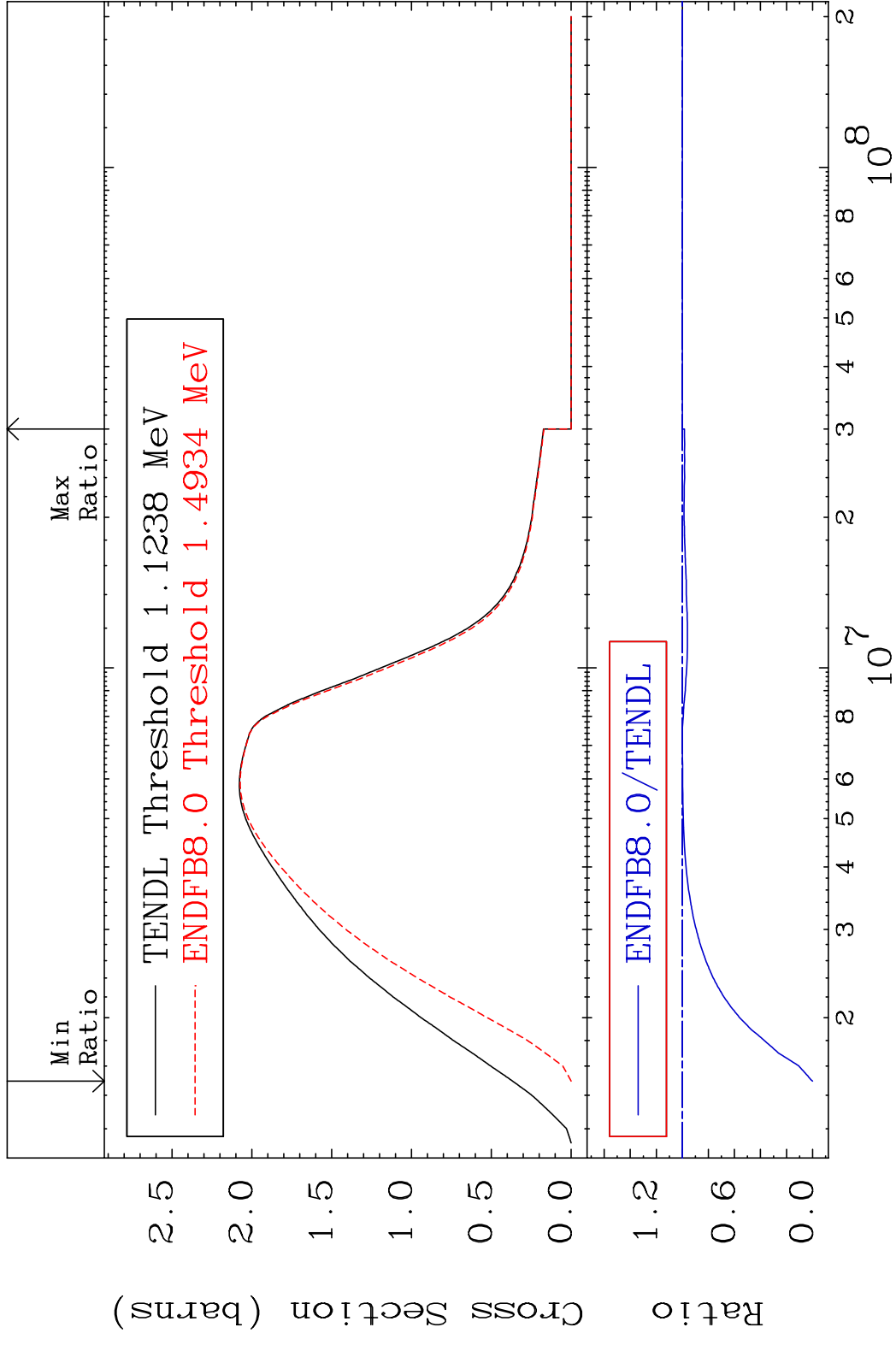
MAT 4834 MT= 66 (n,n') Level 48-Cd-109
 Cross Section -0.654 To 3.060 %



MAT 4834 MT= 67 (n, n') Level 48-Cd-109
 Cross Section -67.04 To 4.952 %



MAT 4834 (n,n') Continuum 48-Cd-109
 Cross Section -100.0 To 0.000 %

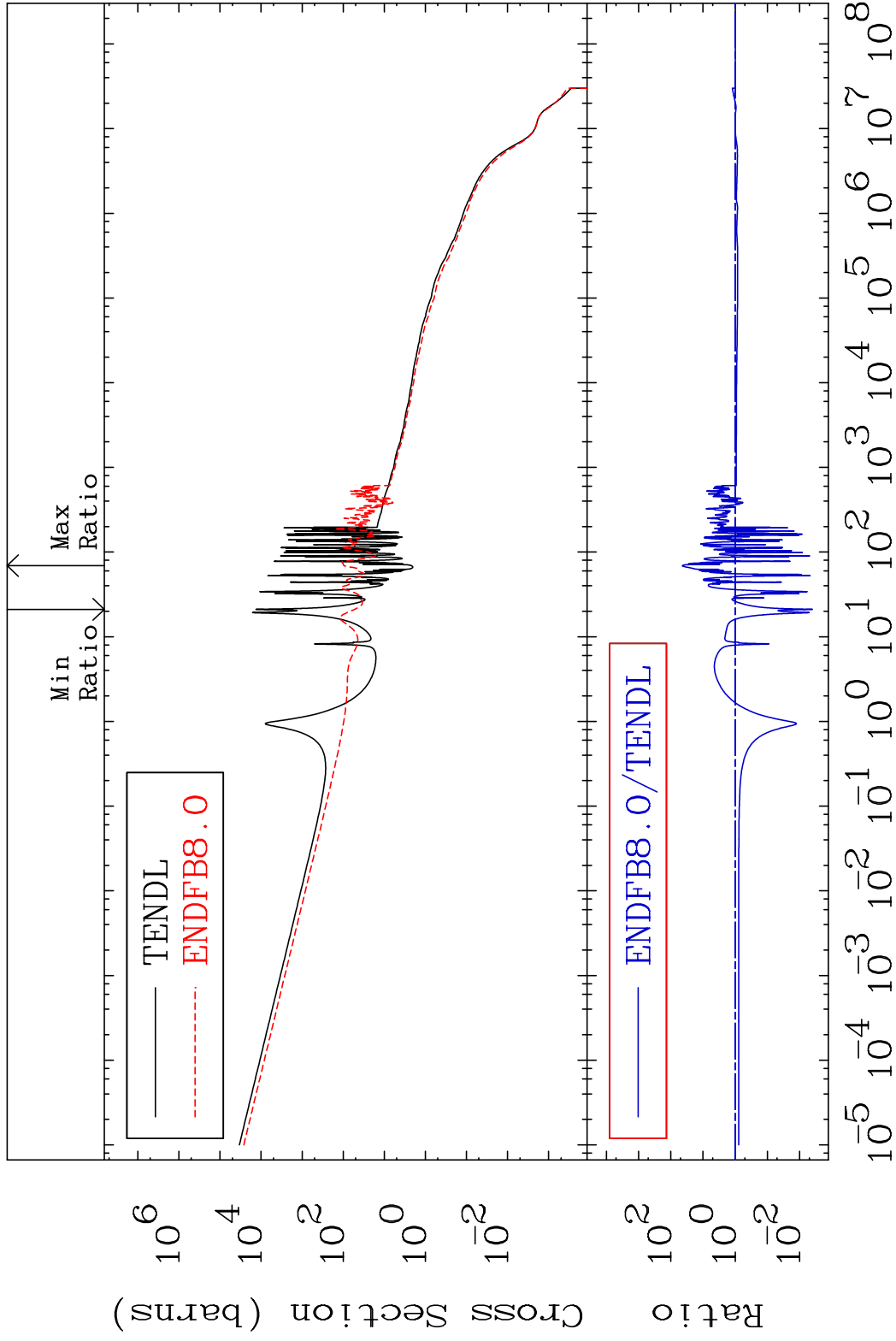


MAT 4834

(n, γ)

48-Cd-109

Cross Section -99.60 To 4273. %



38

Incident Energy (eV)

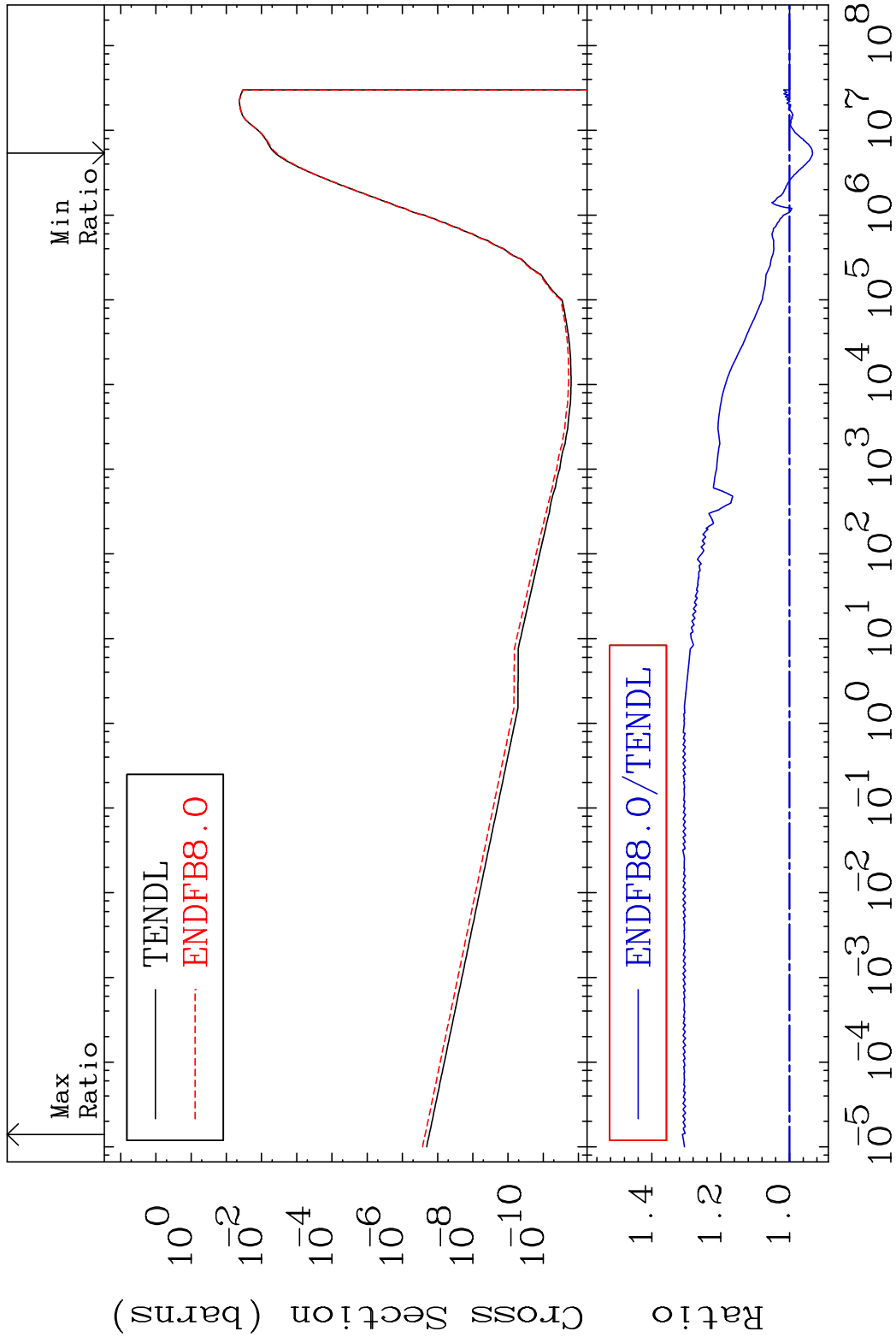
48-Cd-109

MAT 4834

(n, p)

48-Cd-109

Cross Section -6.710 To 31.15 %

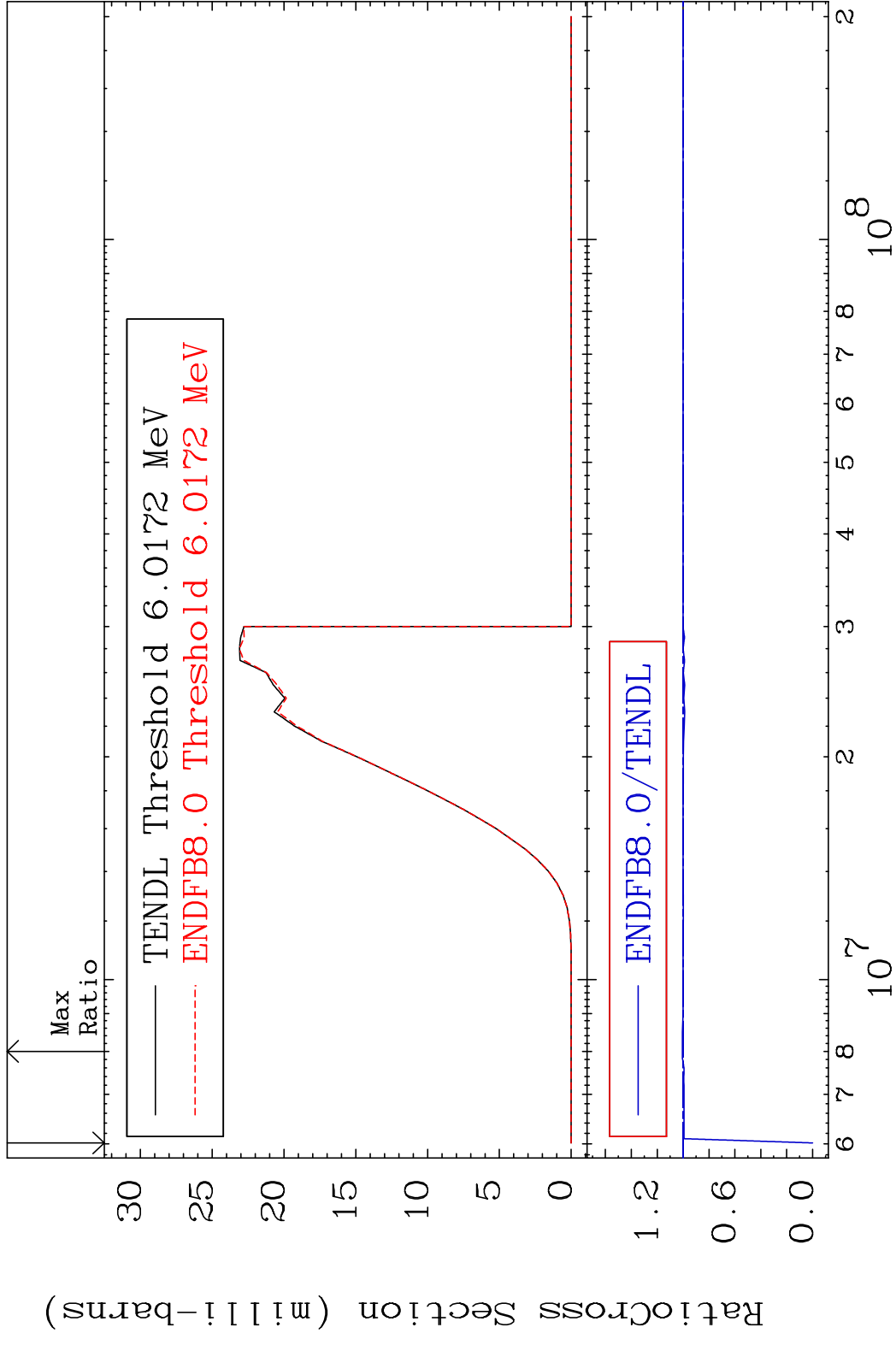


39

Incident Energy (eV)

48-Cd-109

MAT 4834 (n,d) 48-Cd-109
 Cross Section -100.0 To 0.566 %



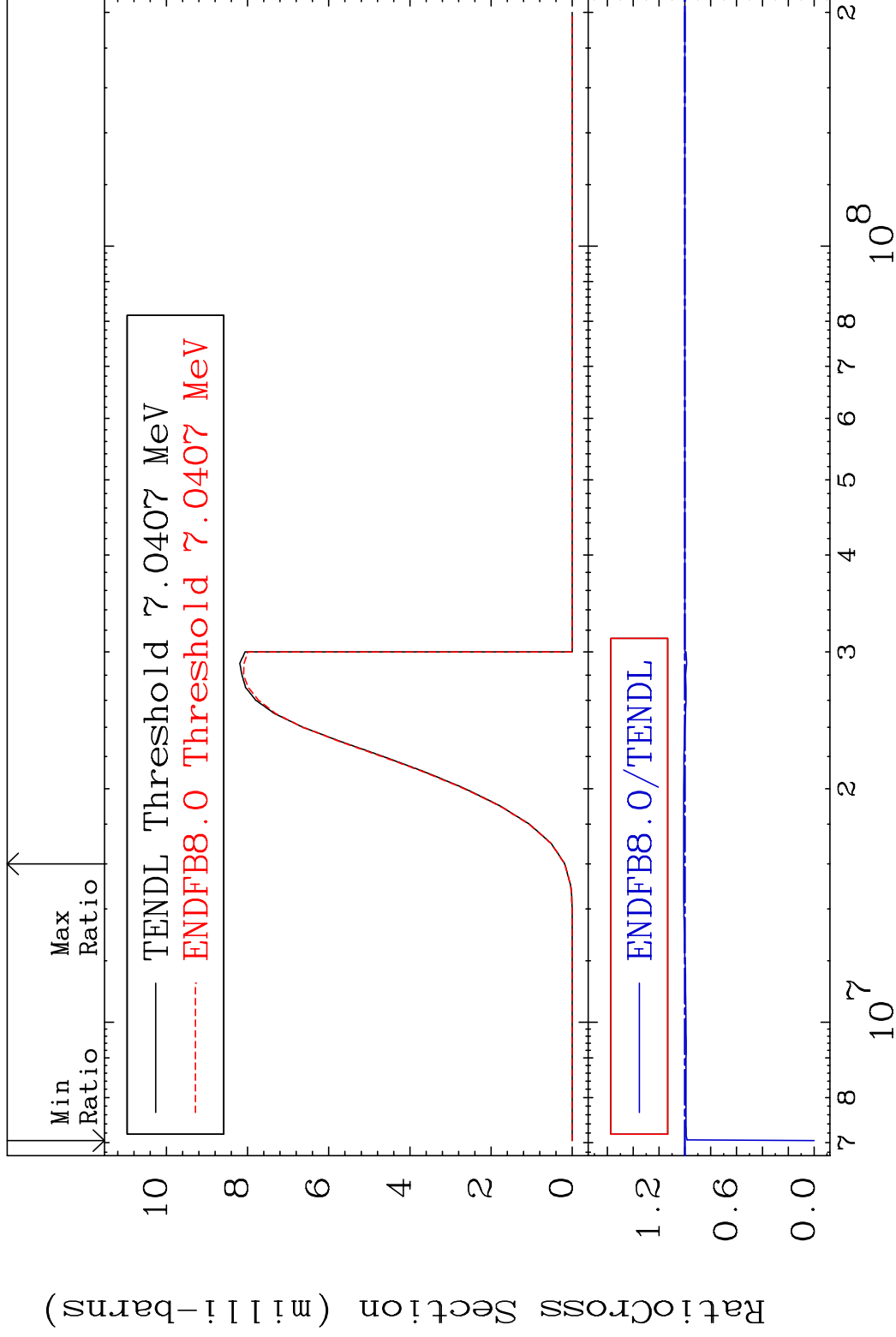
40 Incident Energy (eV) 48-Cd-109

MAT 4834

(n, t)

48-Cd-109

Cross Section -100.0 To 0.962 %



41

Incident Energy (eV)

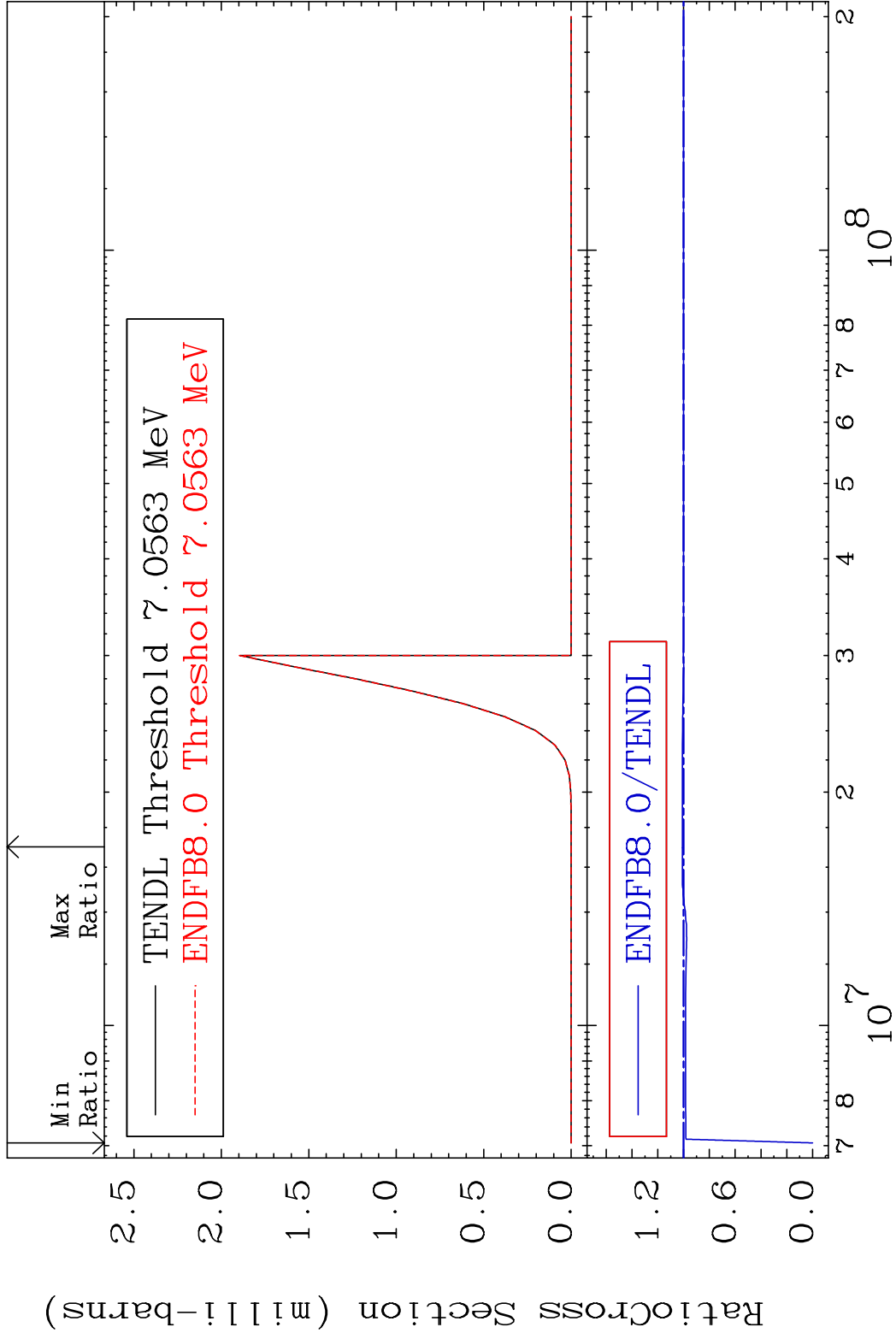
48-Cd-109

MAT 4834

(n, He-3)

48-Cd-109

Cross Section -100.0 To 0.959 %



42

Incident Energy (eV)

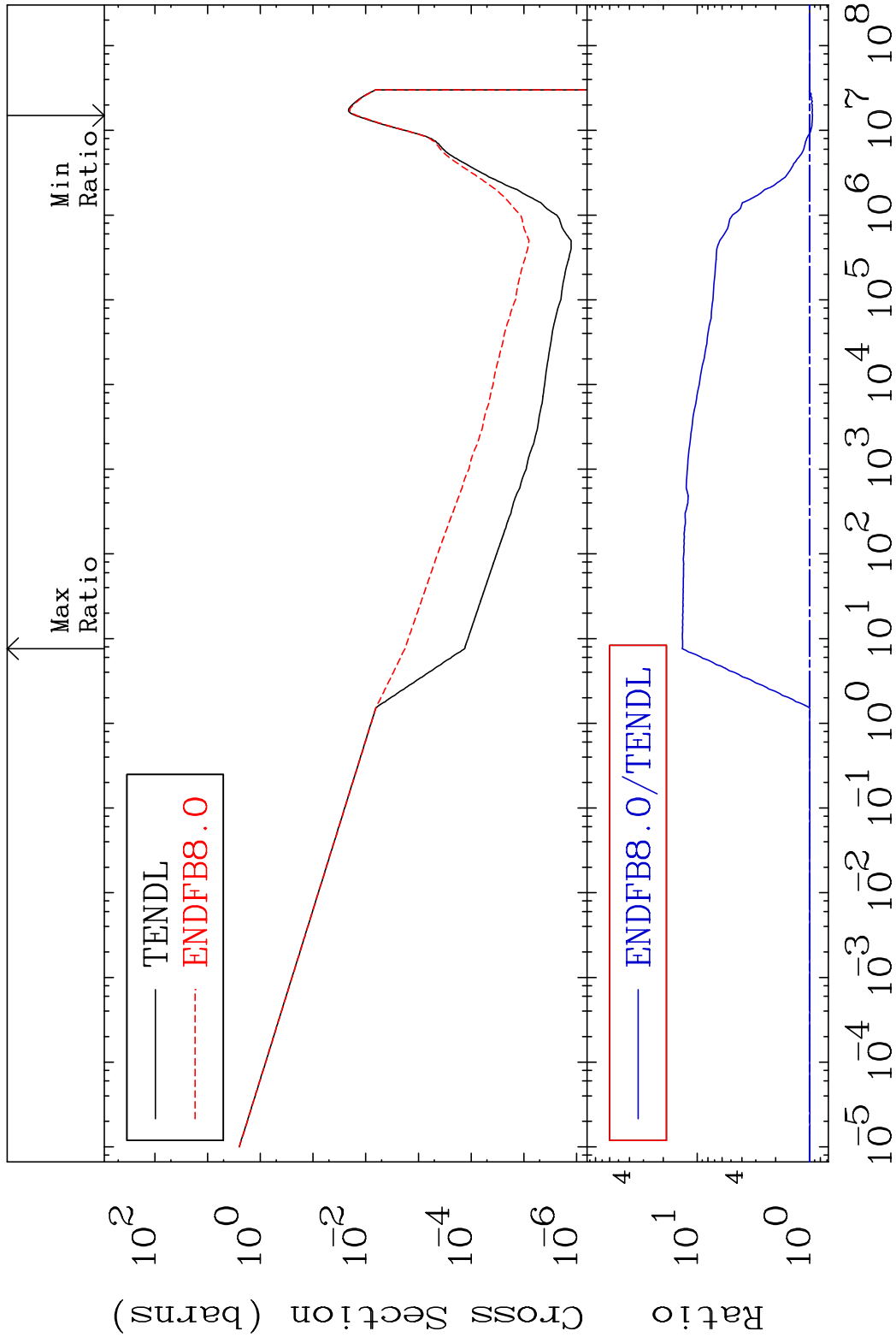
48-Cd-109

MAT 4834

(n, α)

48-Cd-109

Cross Section -6.009 To 1253. %



43

Incident Energy (eV)

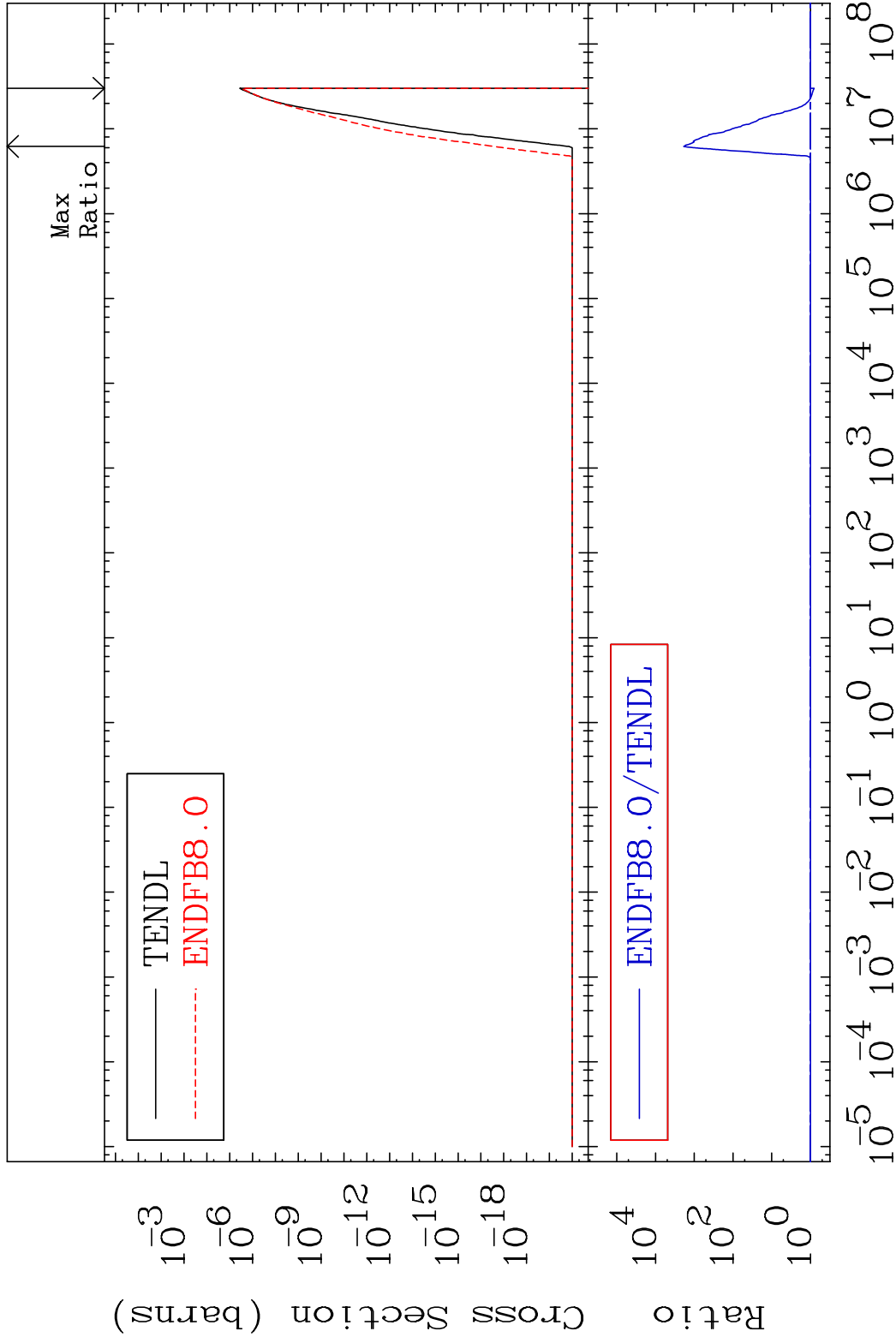
48-Cd-109

MAT 4834

(n,2α)

48-Cd-109

Cross Section -19.33 To 9999. %



44

Incident Energy (eV)

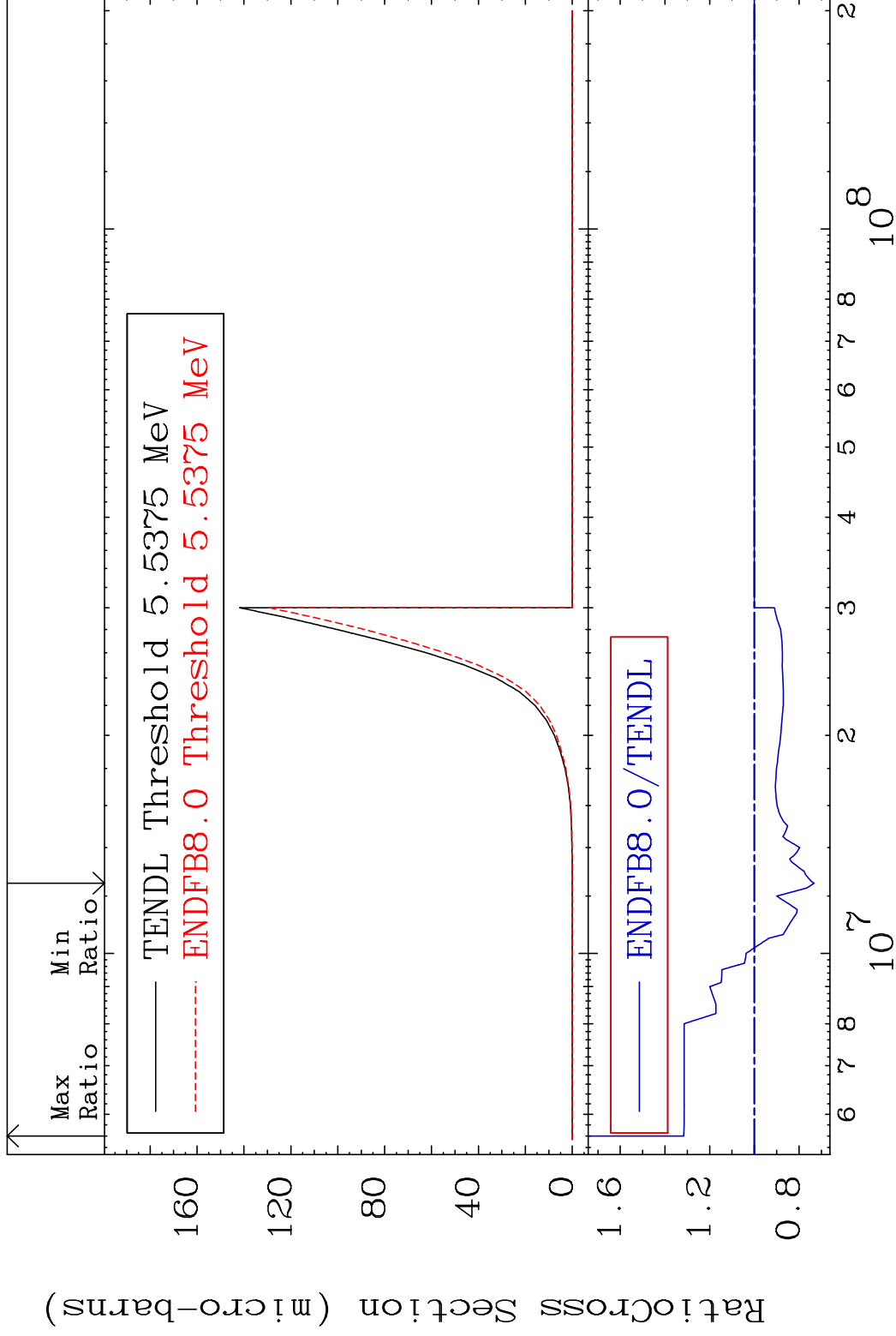
48-Cd-109

MAT 4834

(n,2p)

48-Cd-109

Cross Section -26.73 To 31.64 %

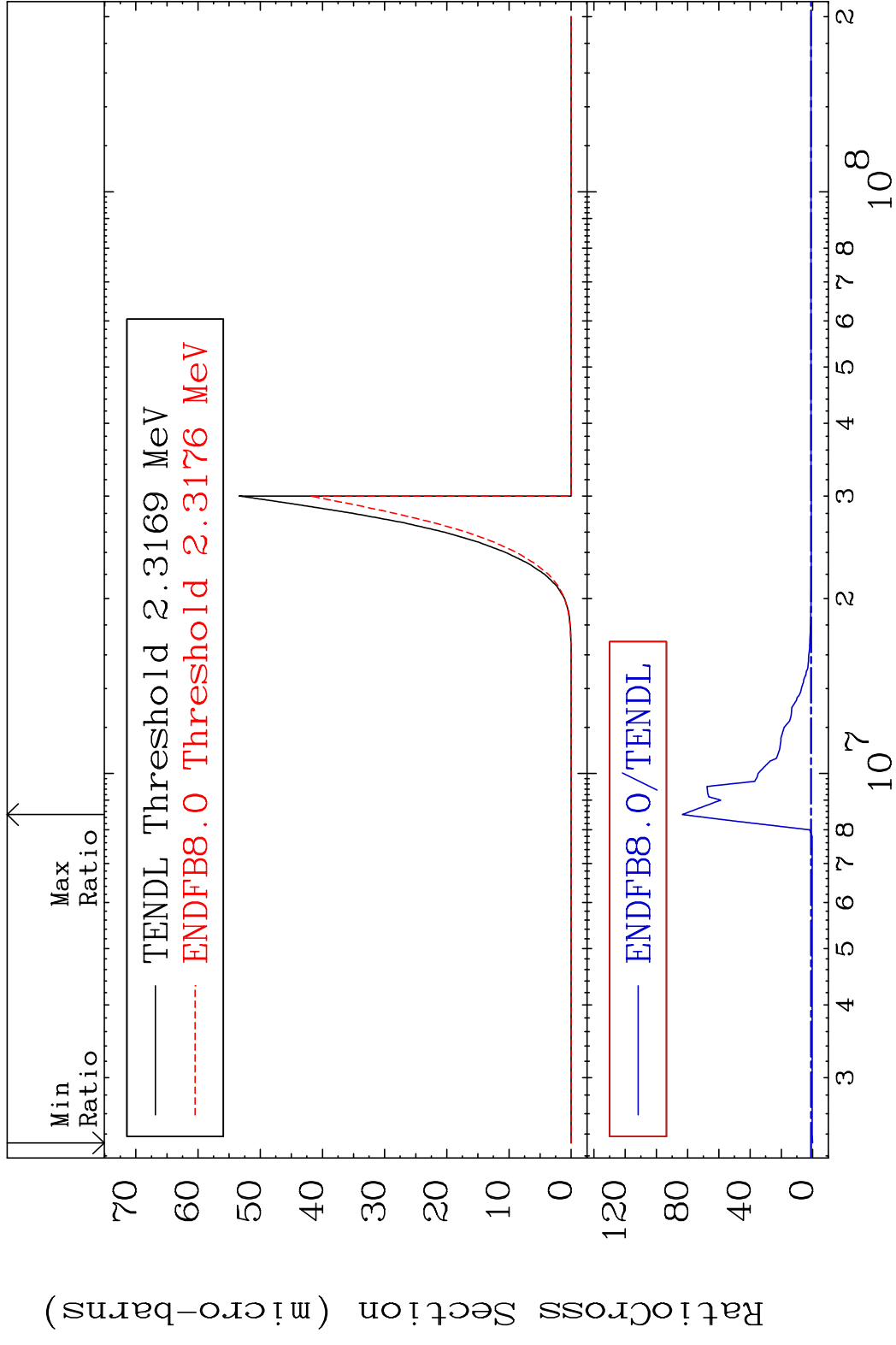


45

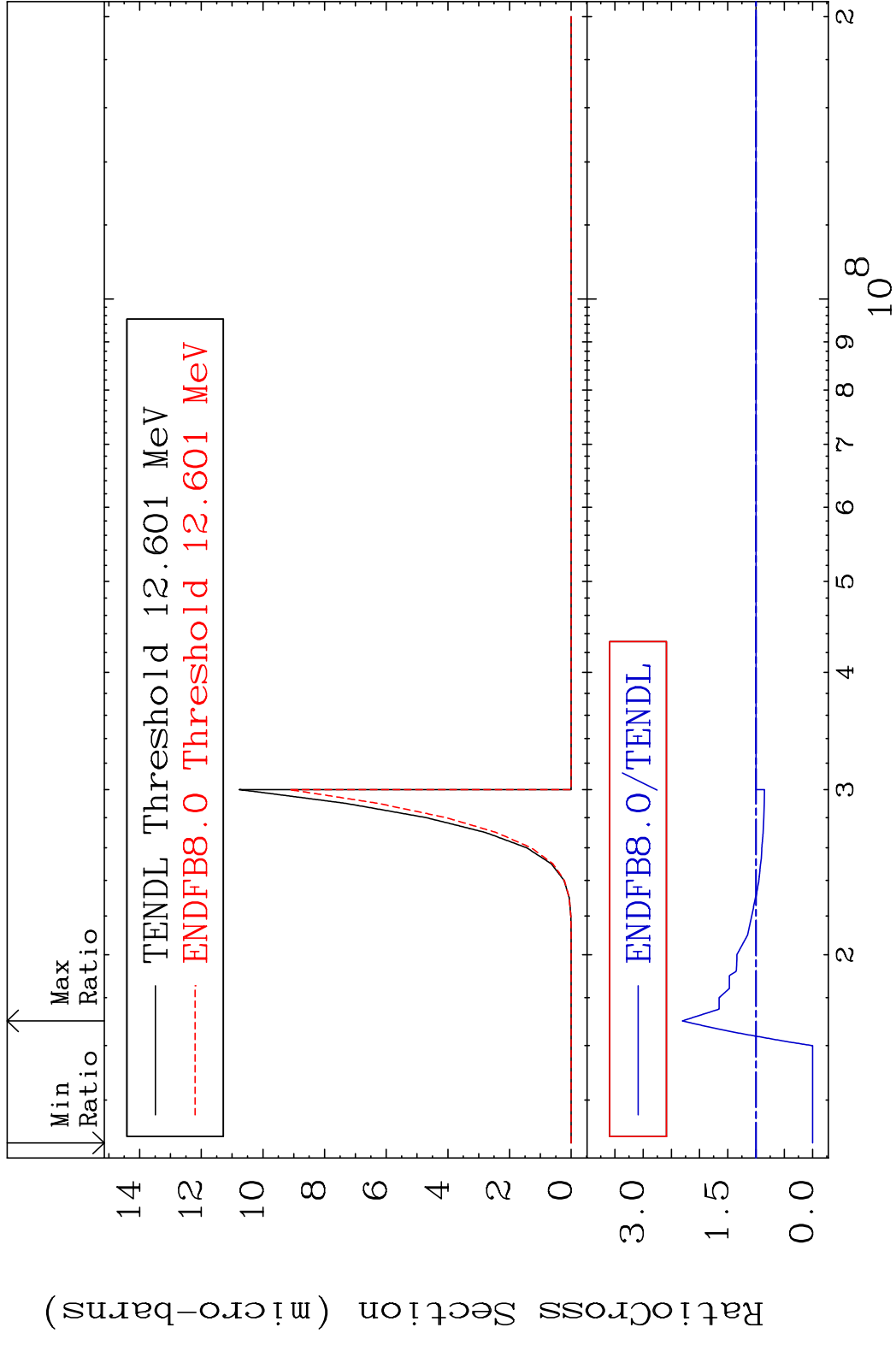
Incident Energy (eV)

48-Cd-109

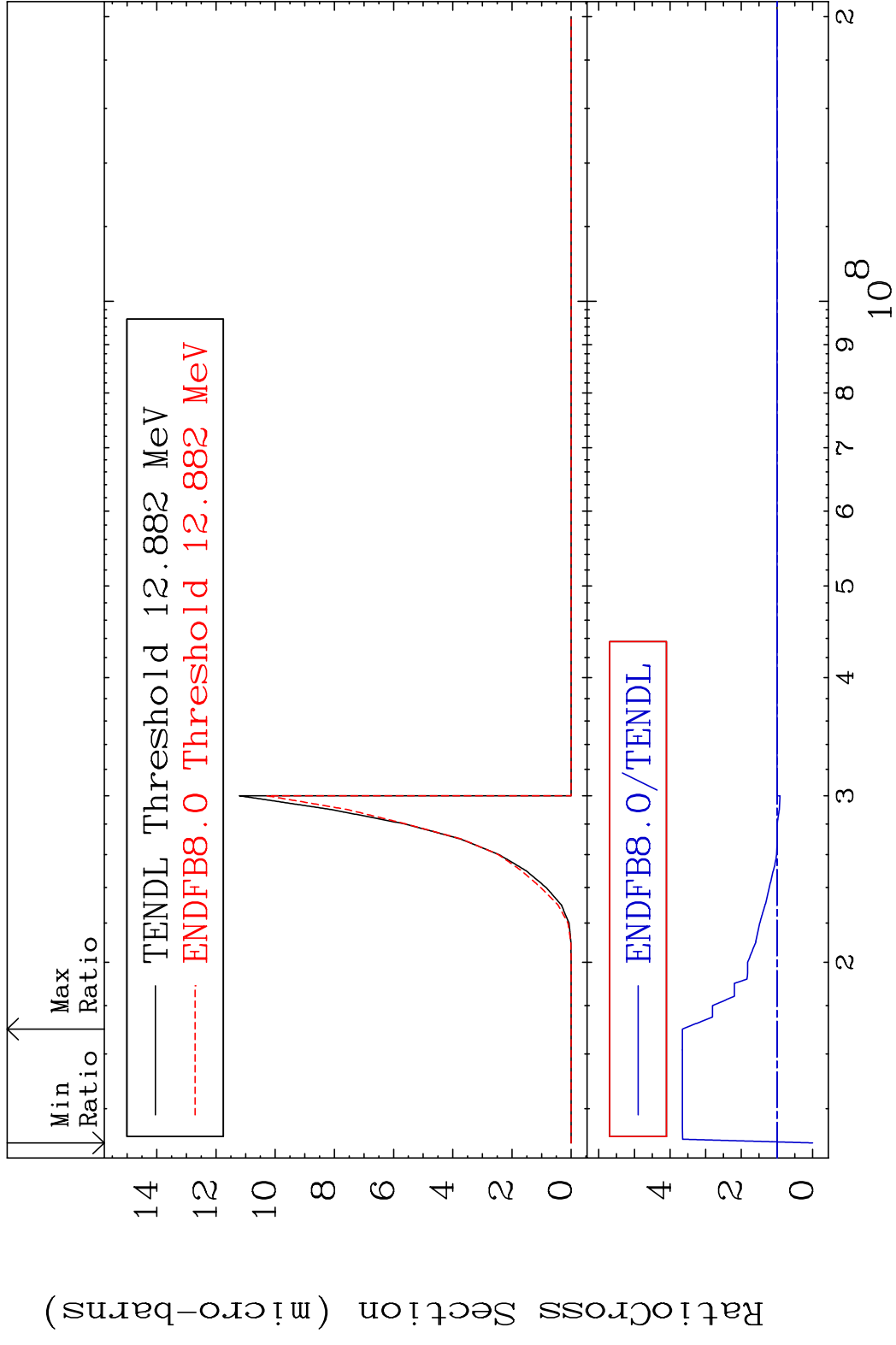
MAT 4834 (n,p) α 48-Cd-109
 Cross Section -100.0 To 8240. %



MAT 4834 (n,p) d 48-Cd-109
 Cross Section -100.0 To 130.5 %



MAT 4834 (n,p) t 48-Cd-109
 Cross Section -100.0 To 265.4 %



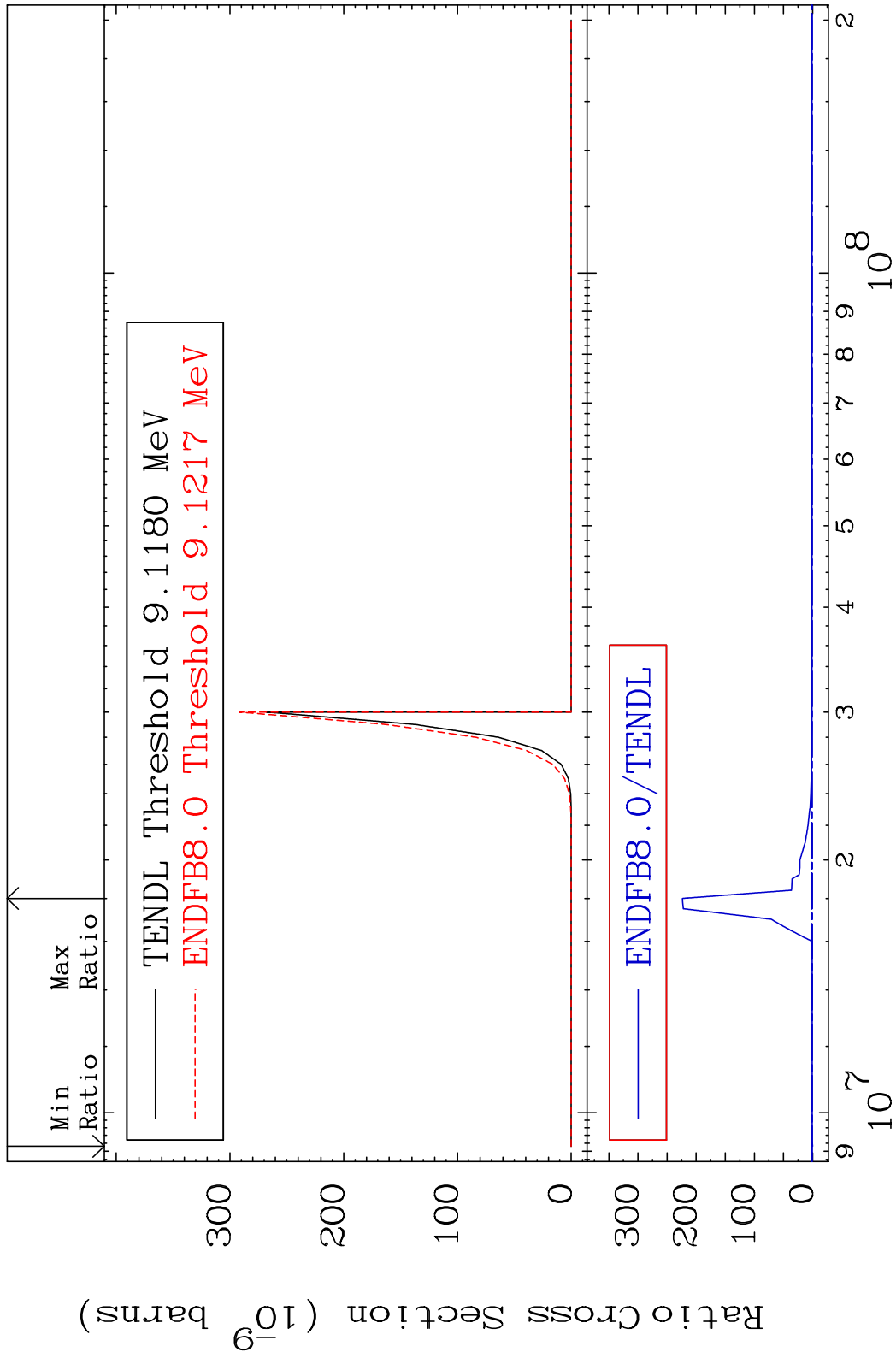
48 48-Cd-109

MAT 4834

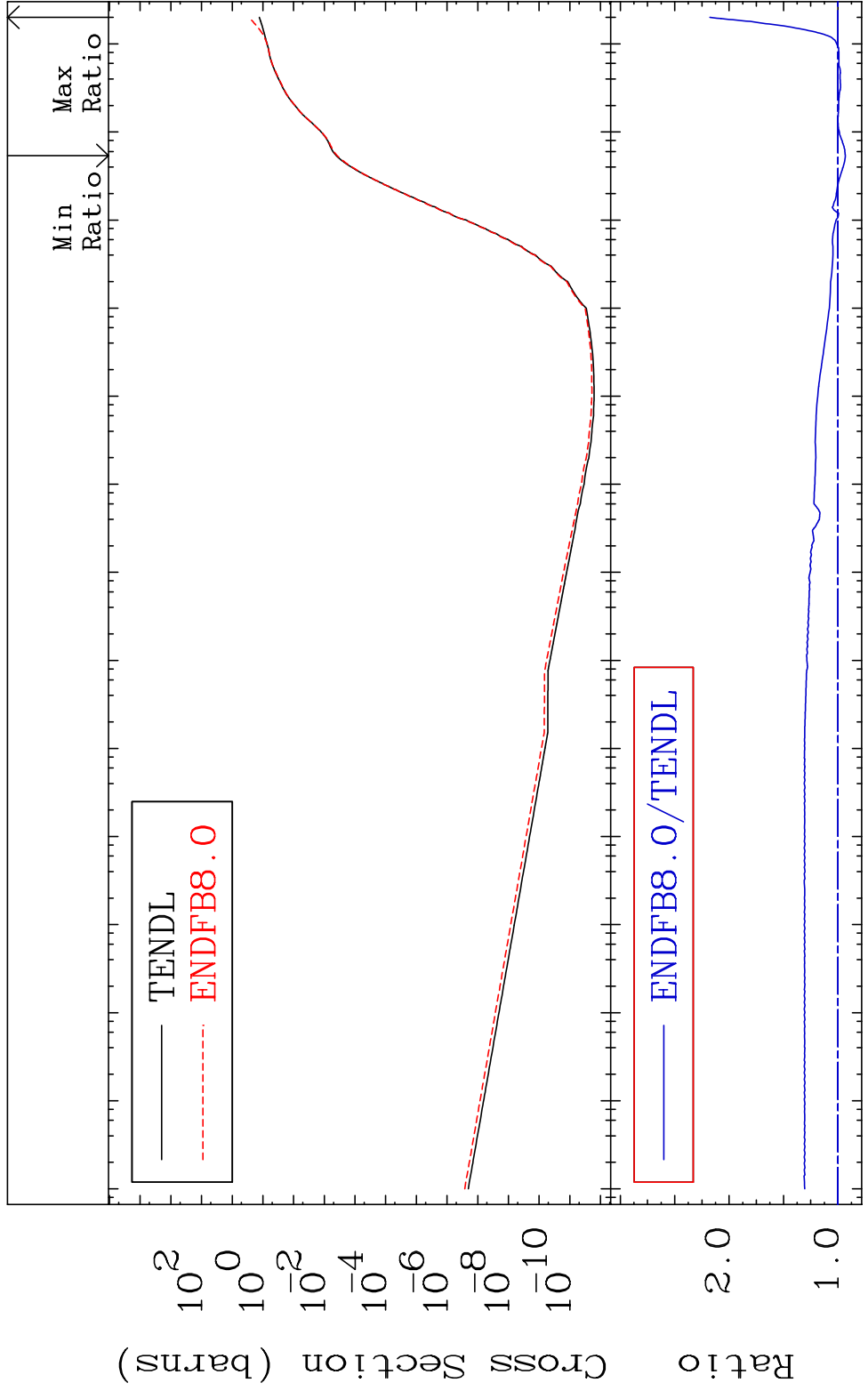
(n,d) α

48-Cd-109

Cross Section -100.0 To 9999. %

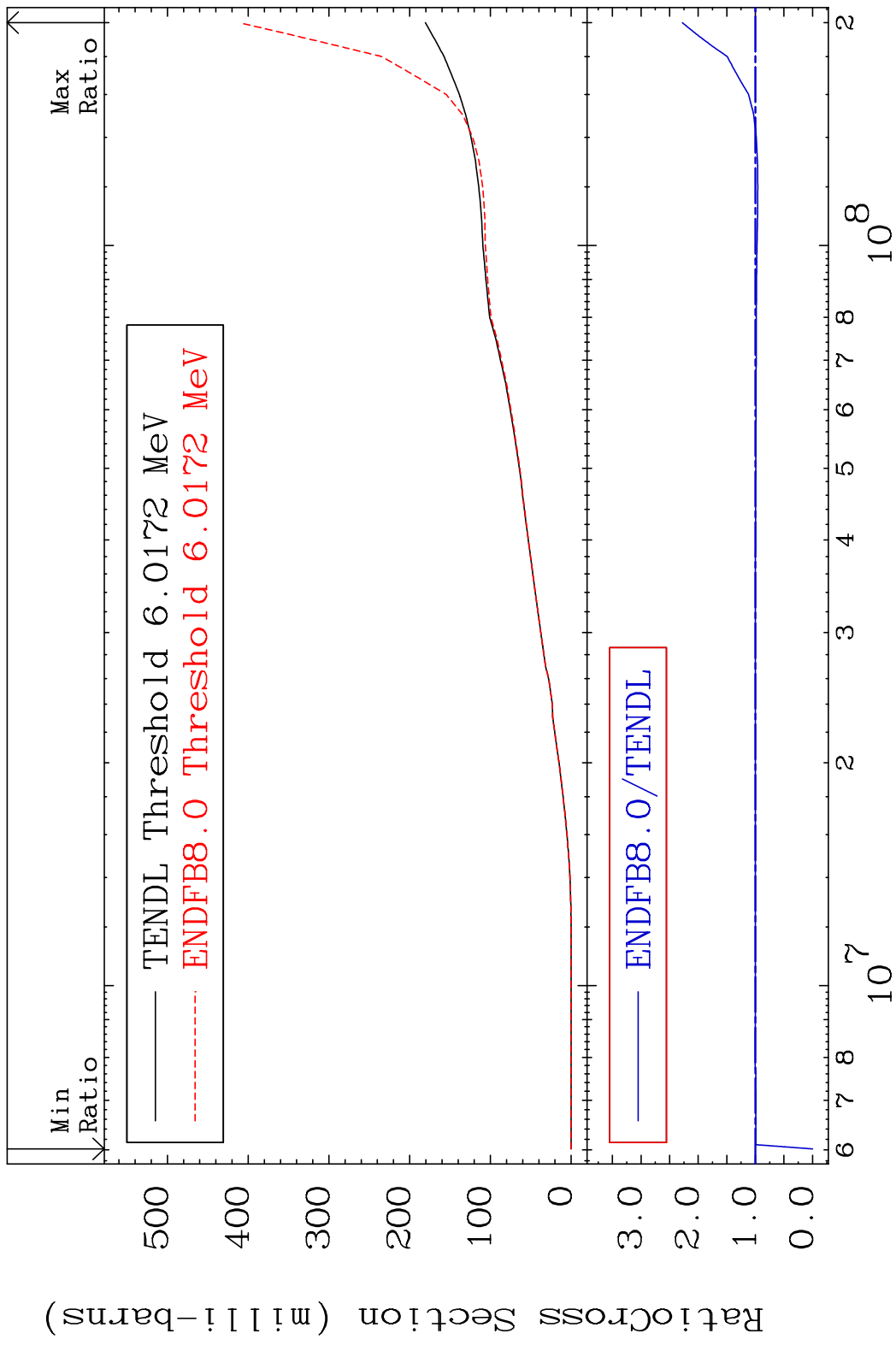


MAT 4834 Hydrogen Production 48-Cd-109
Cross Section -6.710 To 117.8 %

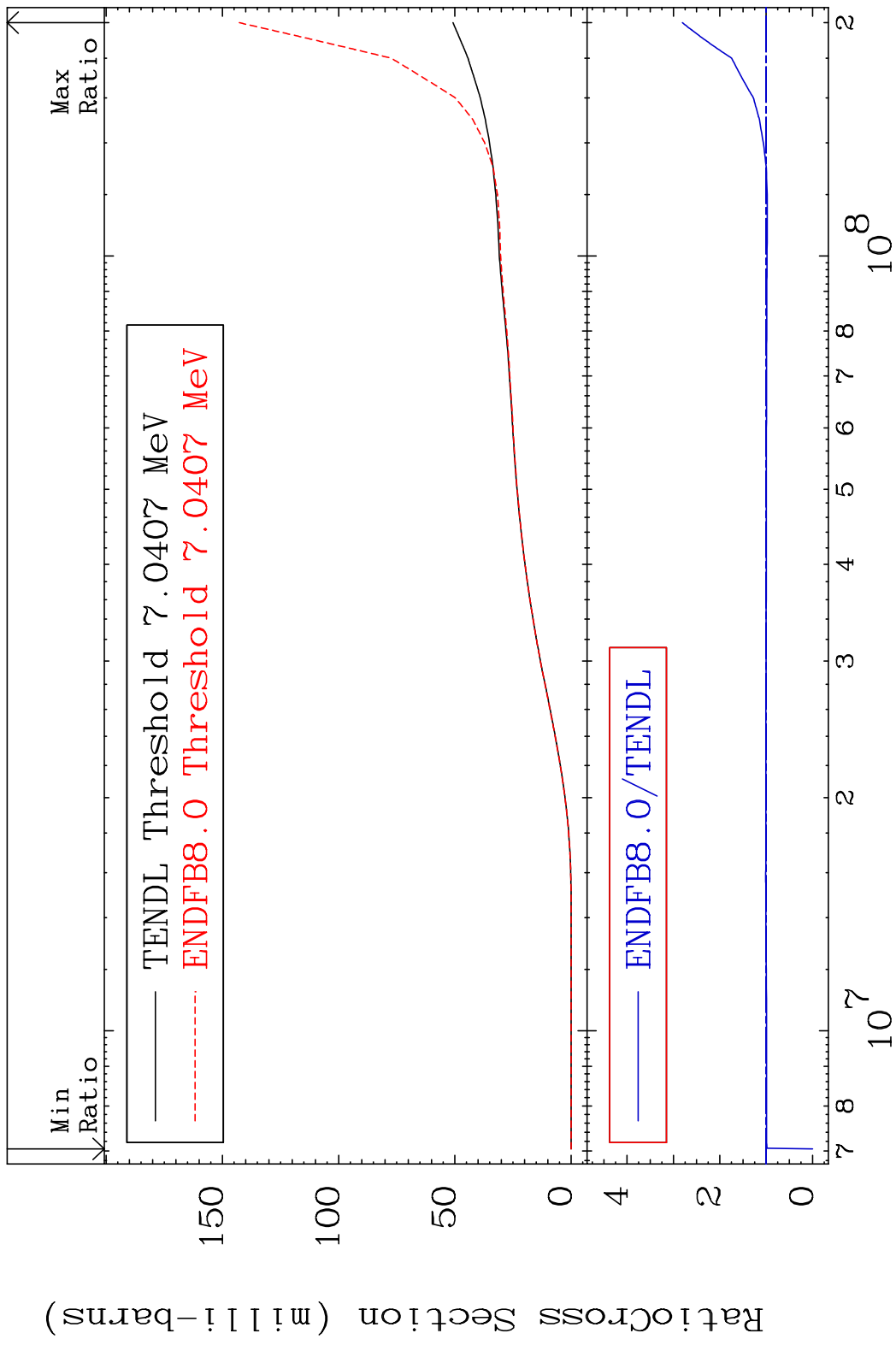


50 Incident Energy (eV) 48-Cd-109

MAT 4834 Deuterium Production 48-Cd-109
 Cross Section -100.0 To 127.7 %



MAT 4834 Tritium Production 48-Cd-109
 Cross Section -100.0 To 180.8 %



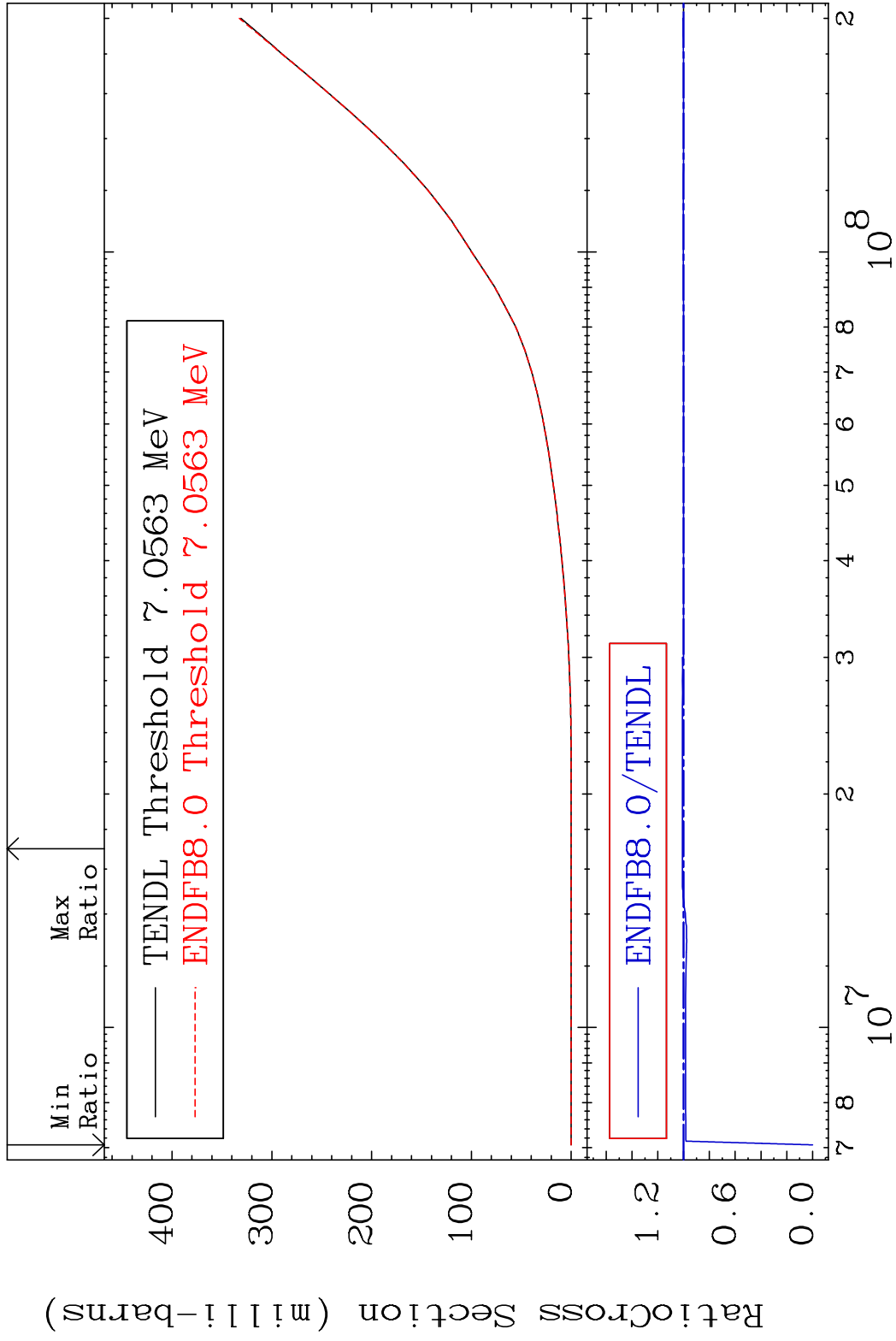
52 Incident Energy (eV) 48-Cd-109

MAT 4834

He-3 Production

48-Cd-109

Cross Section -100.0 To 0.959 %

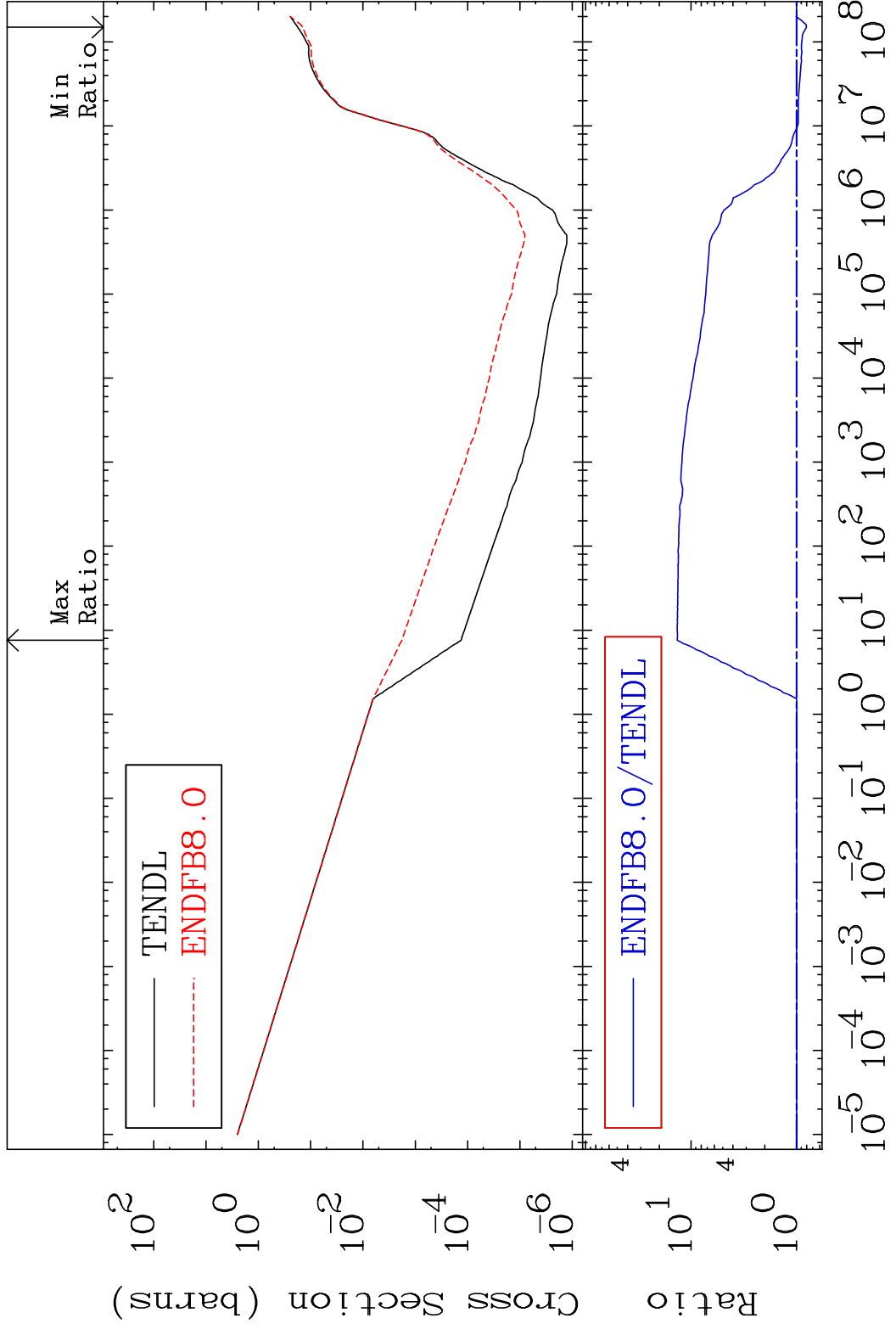


53

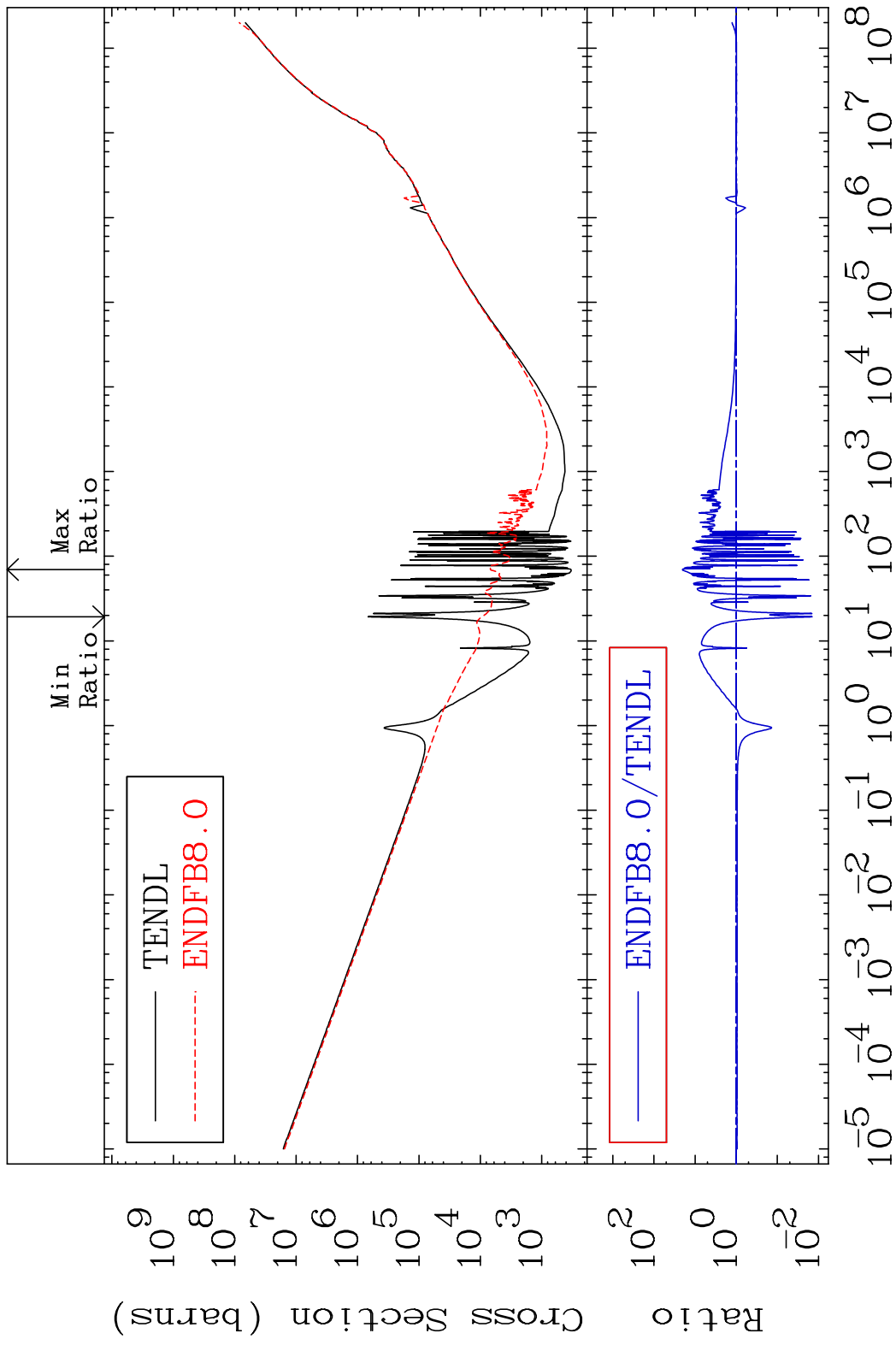
Incident Energy (eV)

48-Cd-109

MAT 4834 He-4 Production 48-Cd-109
 Cross Section -19.54 To 1253. %



MAT 4834 Kerma total (eV-barns) 48-Cd-109
 Cross Section -98.60 To 1935. %

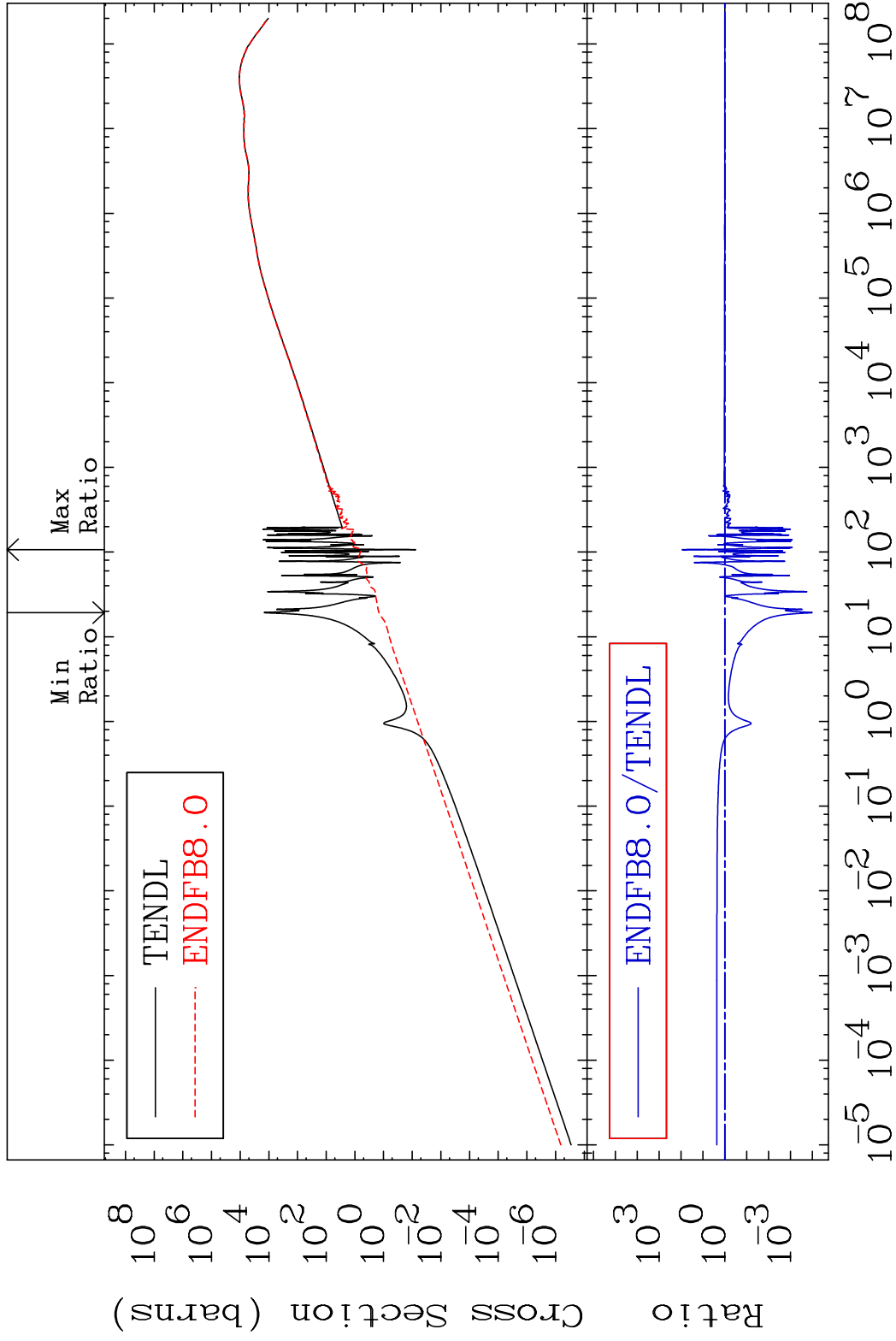


MAT 4834

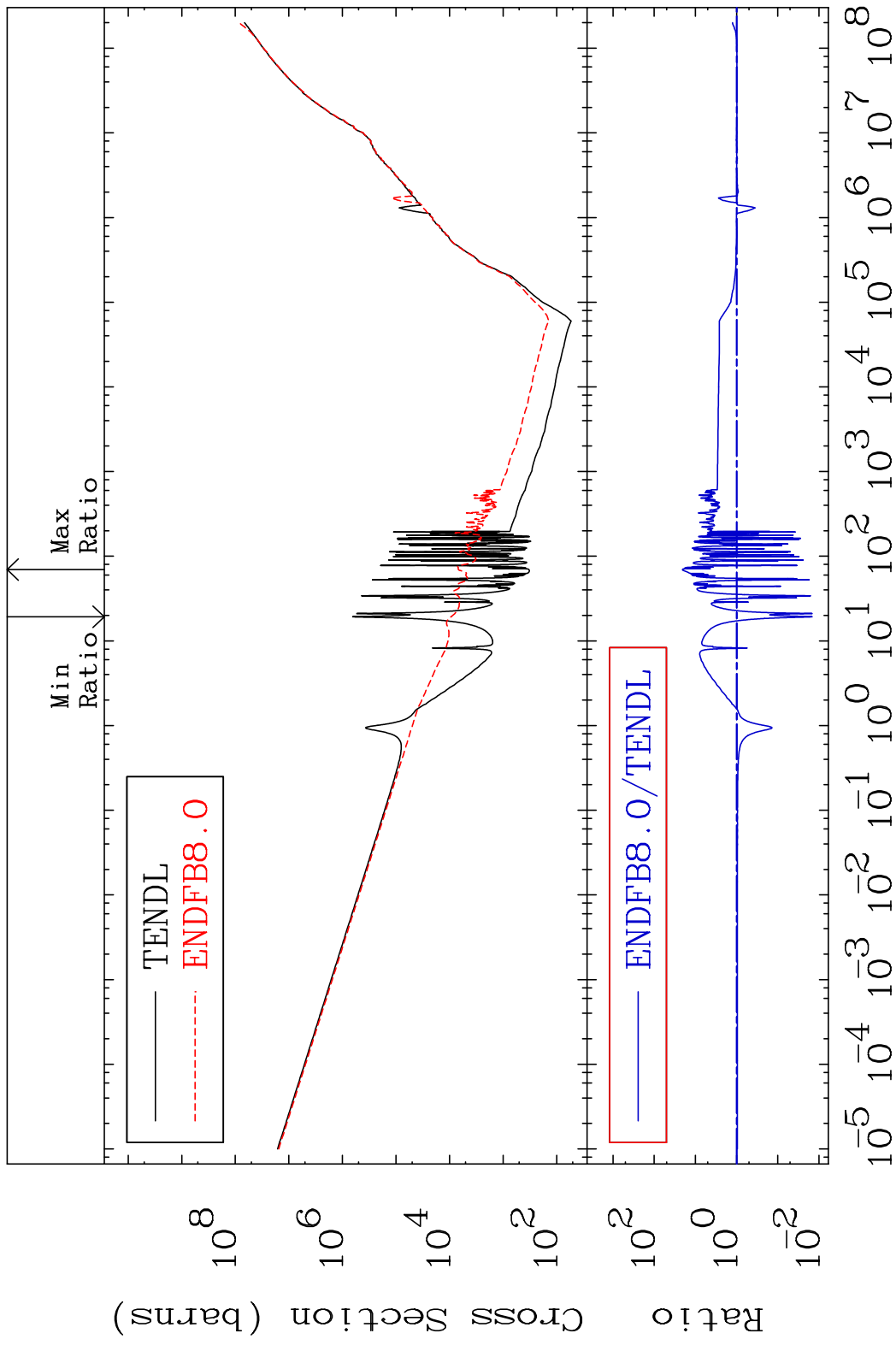
Kerma elastic

48-Cd-109

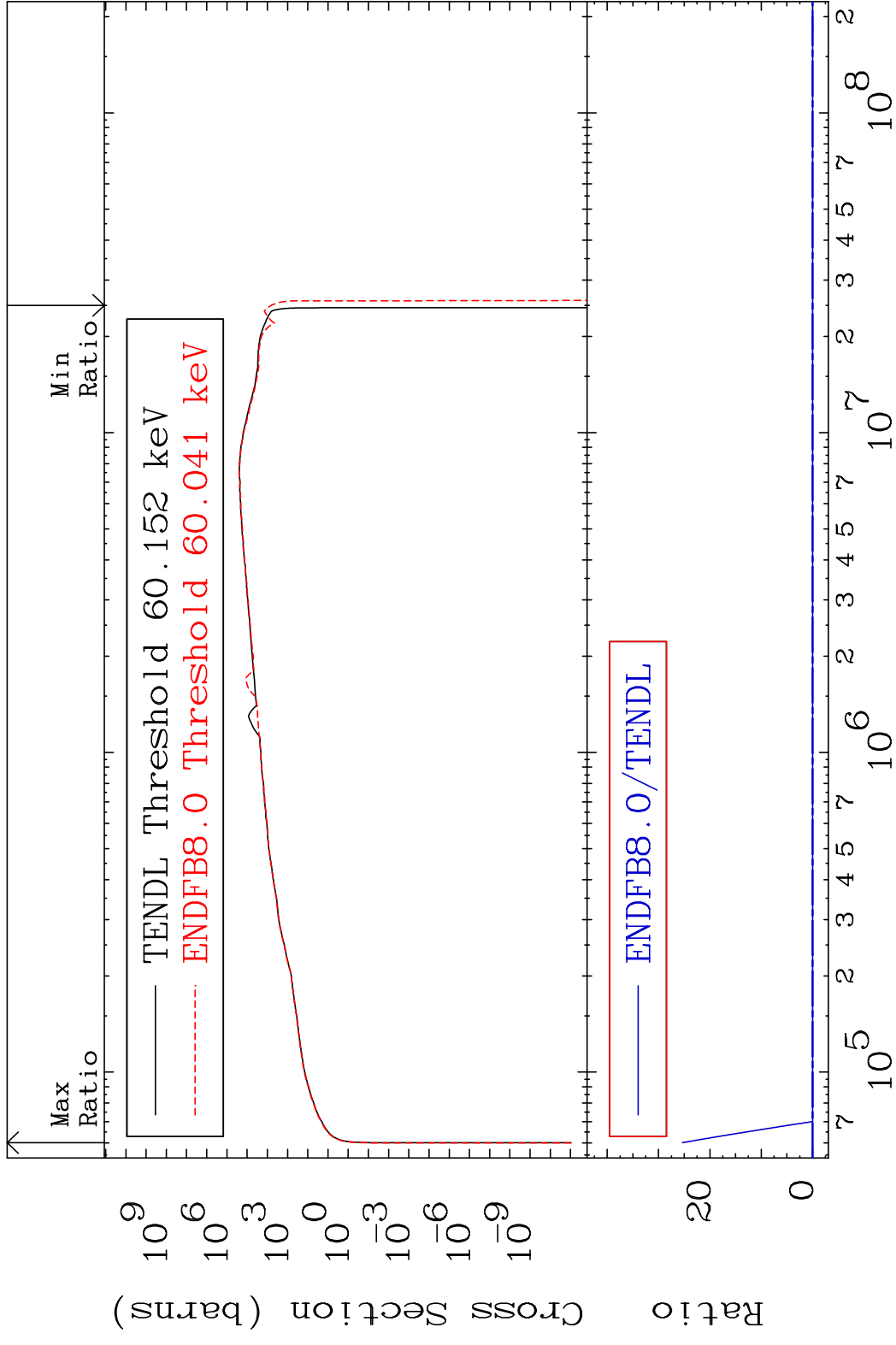
Cross Section -99.99 To 8619. %



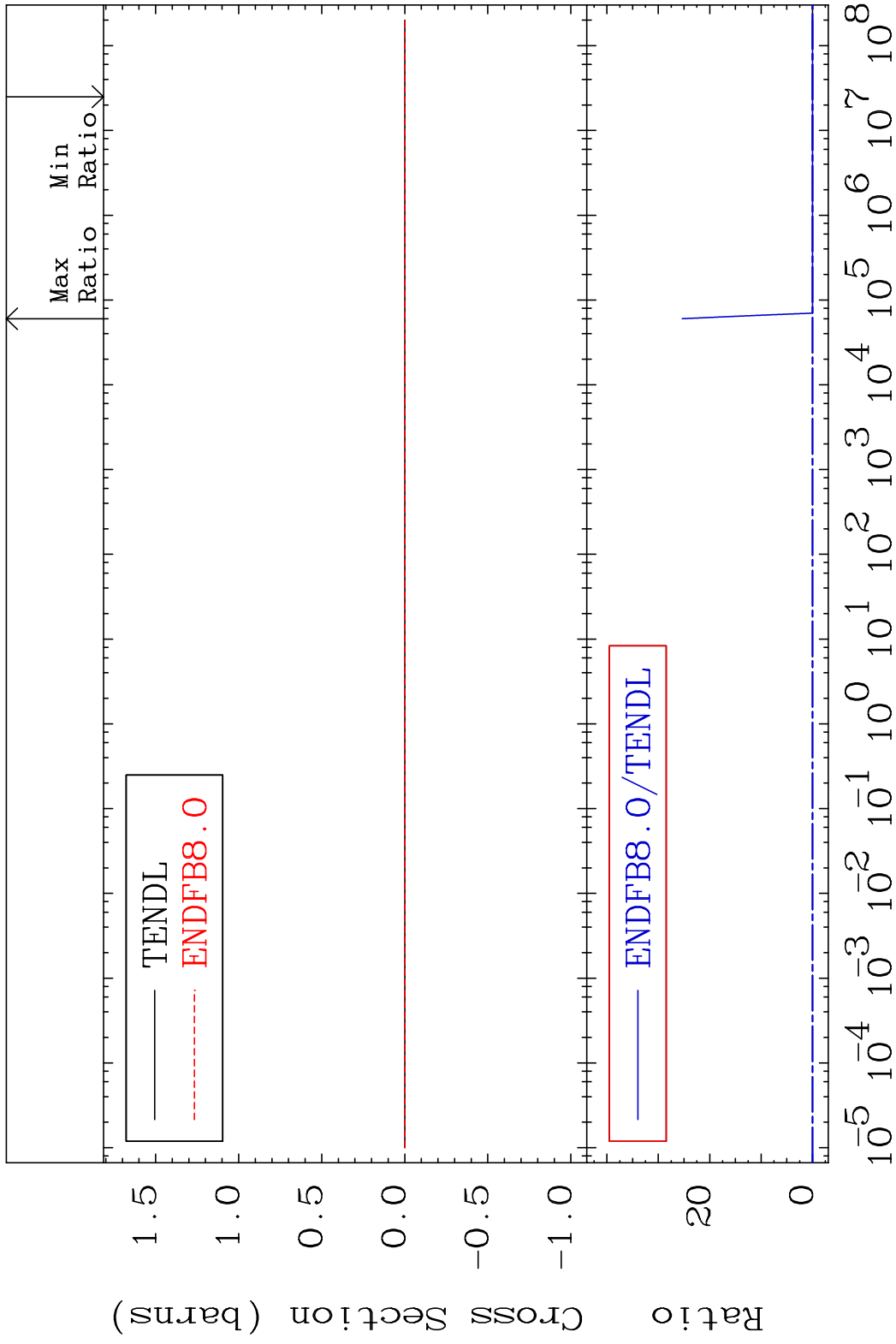
MAT 4834 Kerma non-elastic (all but mt2) 48-Cd-109
 Cross Section -98.57 To 1974. %



MAT 4834 Kerma inelastic (mt51-91) 48-Cd-109
 Cross Section -245.9 To 9999. %

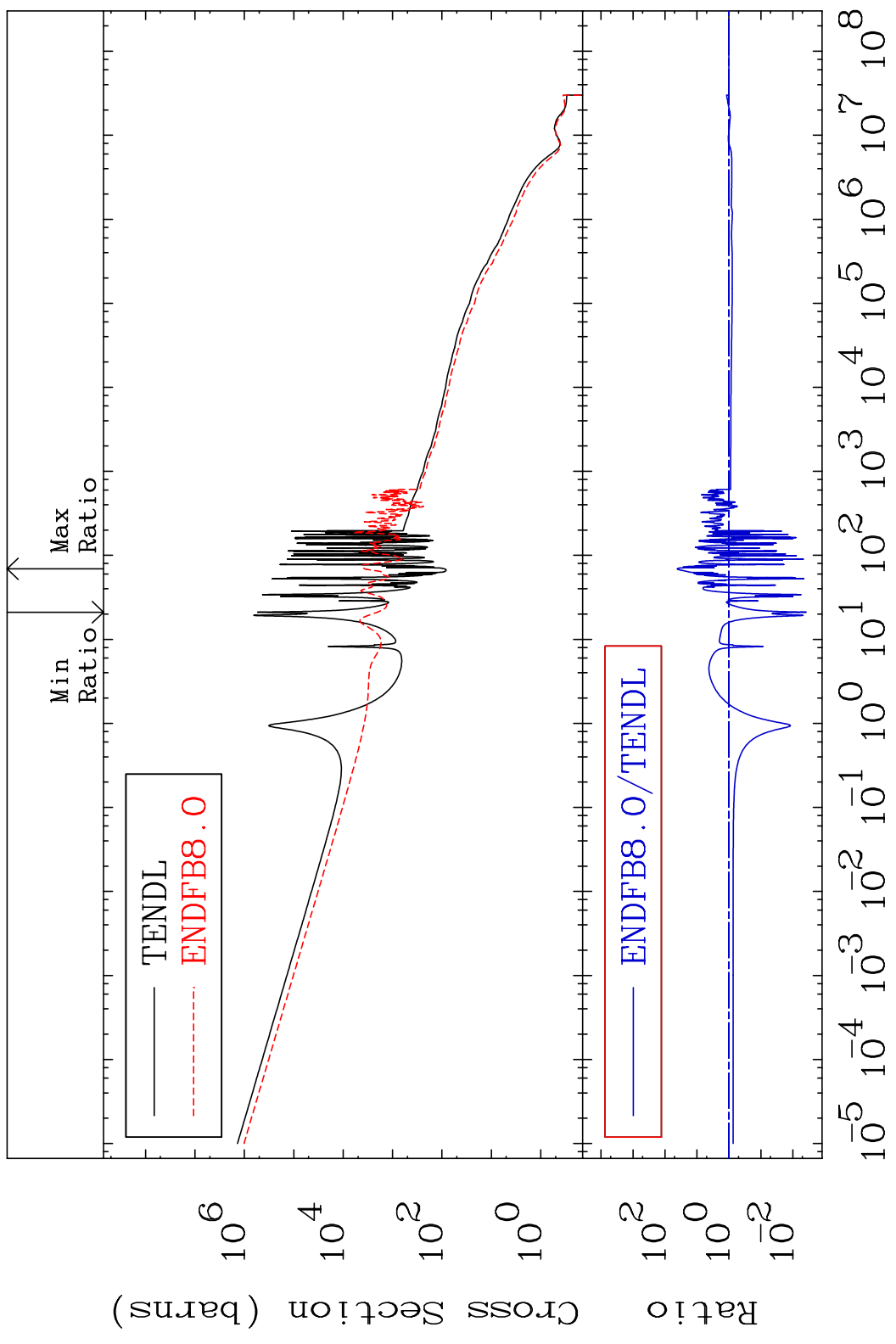


MAT 4834 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-109
 Cross Section -245.9 To 9999. %



MAT 4834

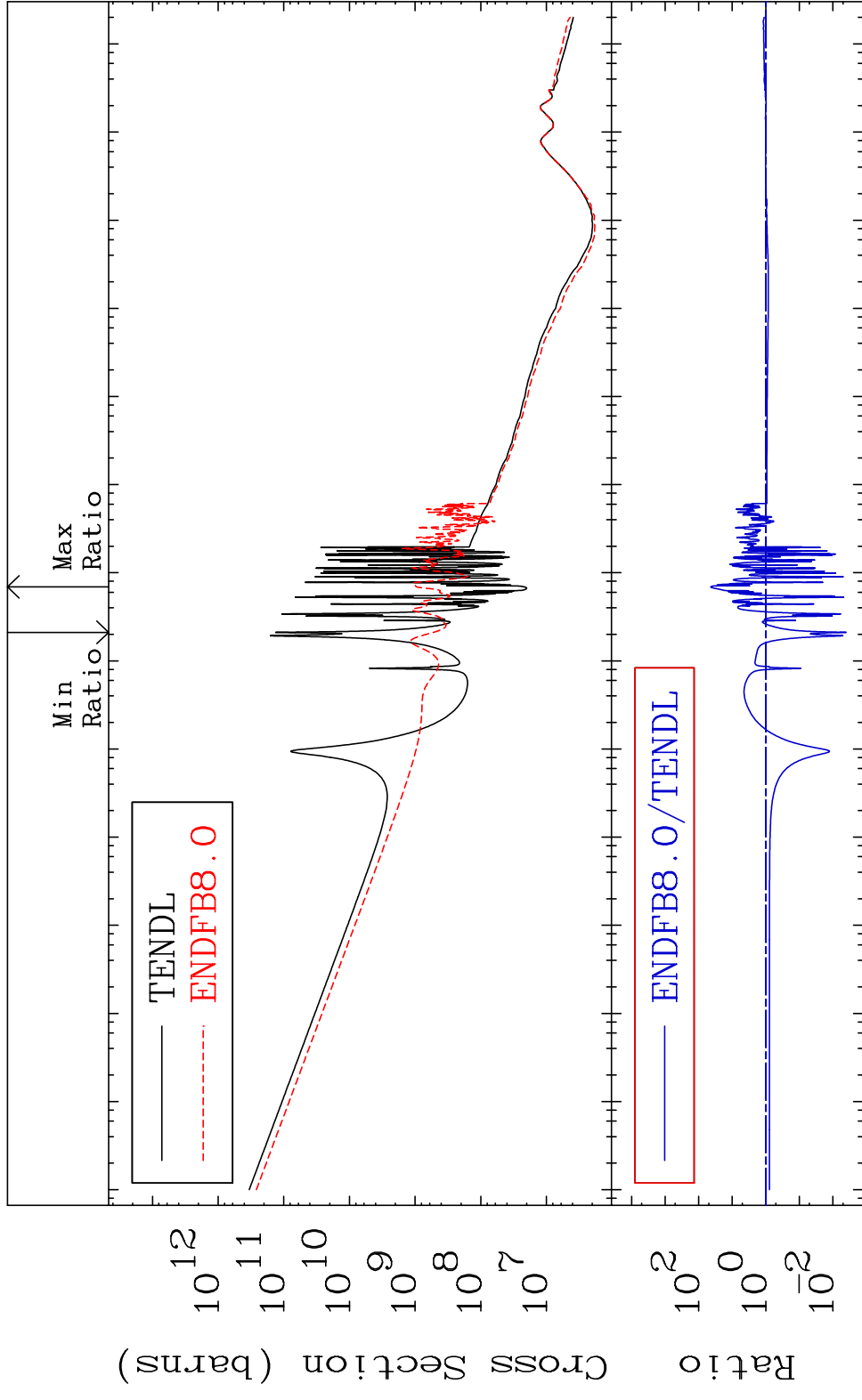
Kerma capture (mt102) 48-Cd-109
Cross Section -99.62 To 4051. %



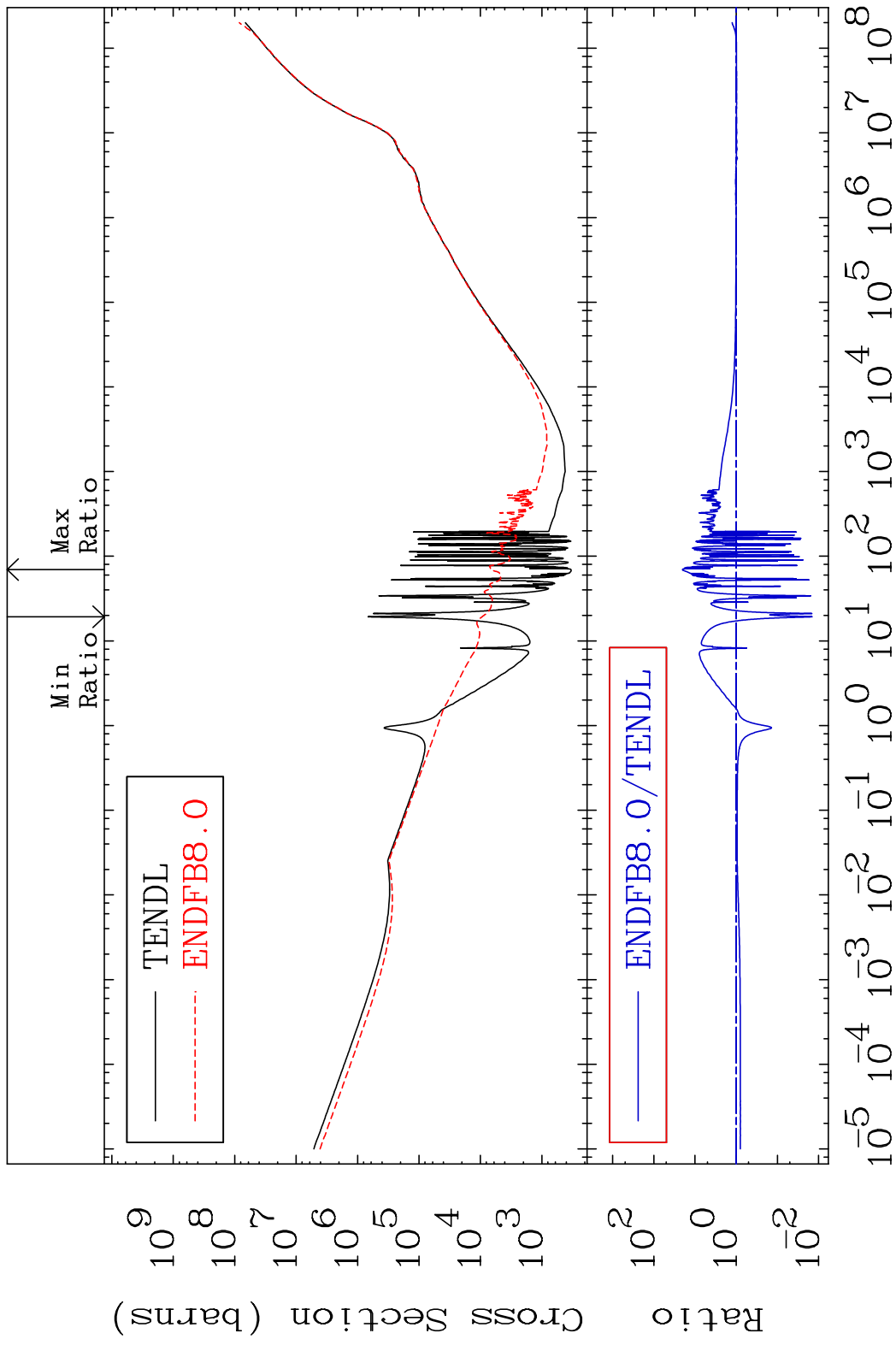
60

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 -98.60 To 1932. %

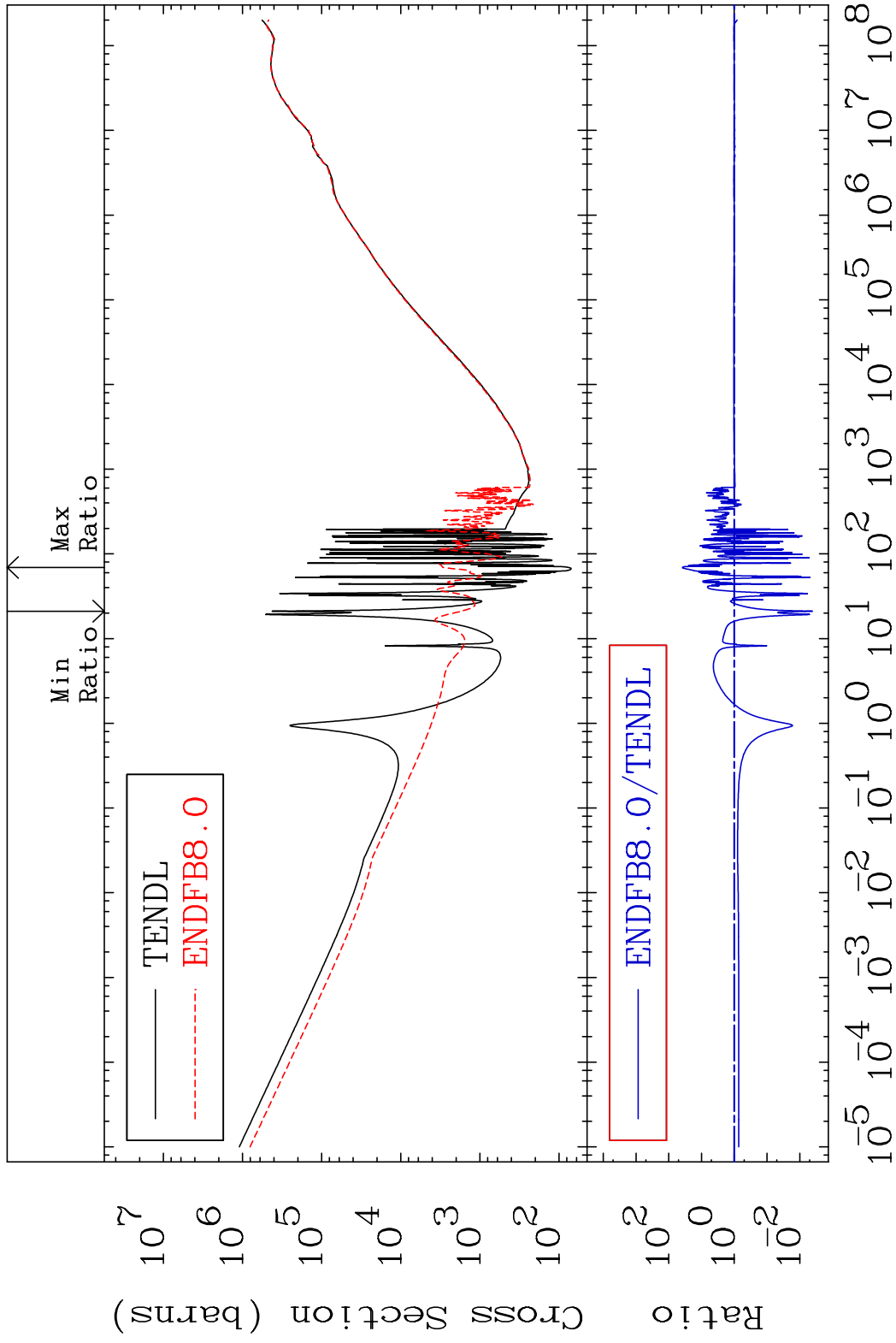


MAT 4834

Dpa total (eV-barns)

48-Cd-109

Cross Section -99.59 To 3744. %



63

Incident Energy (eV)

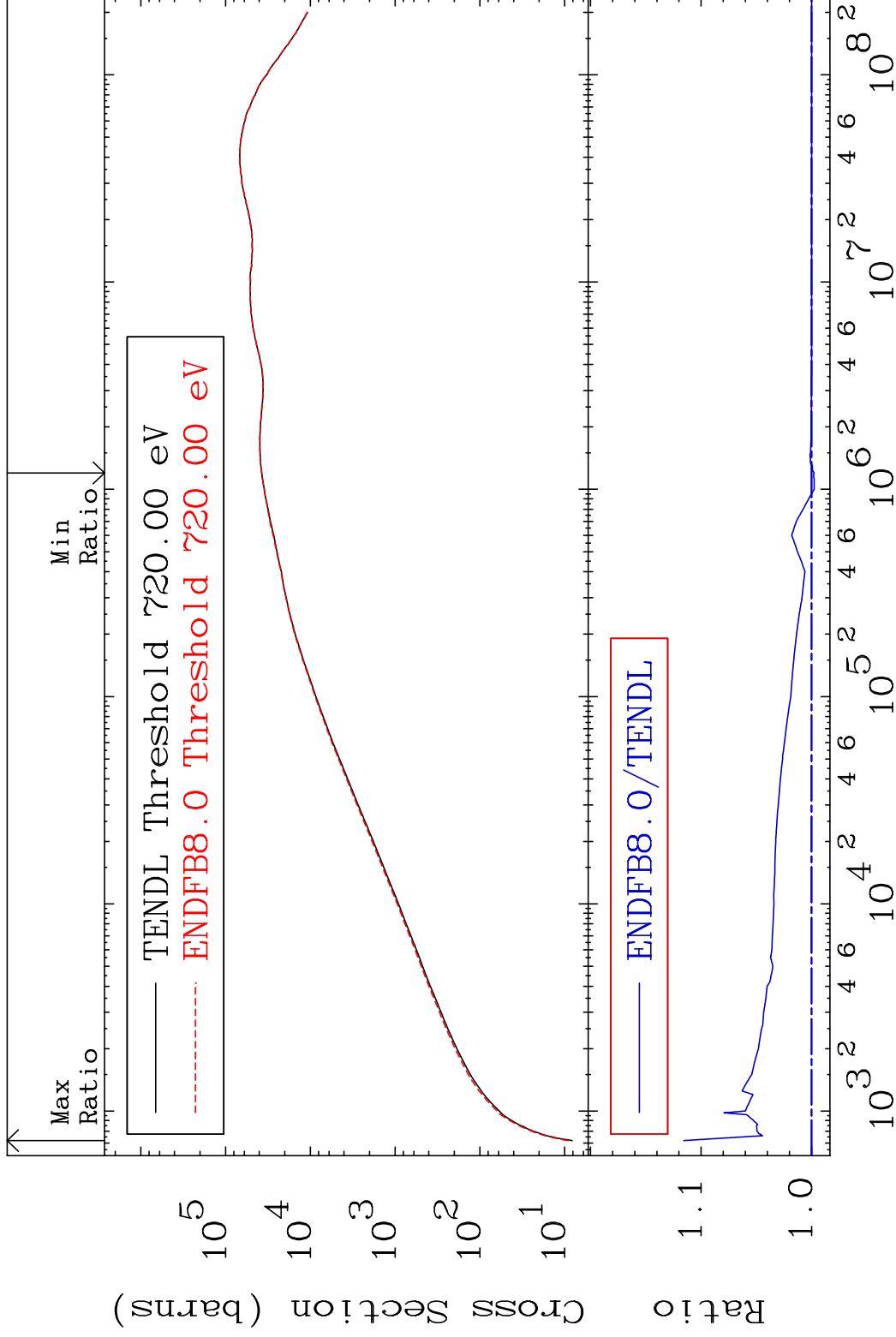
48-Cd-109

MAT 4834

Dpa elastic (mt2)

48-Cd-109

Cross Section -0.225 To 11.58 %

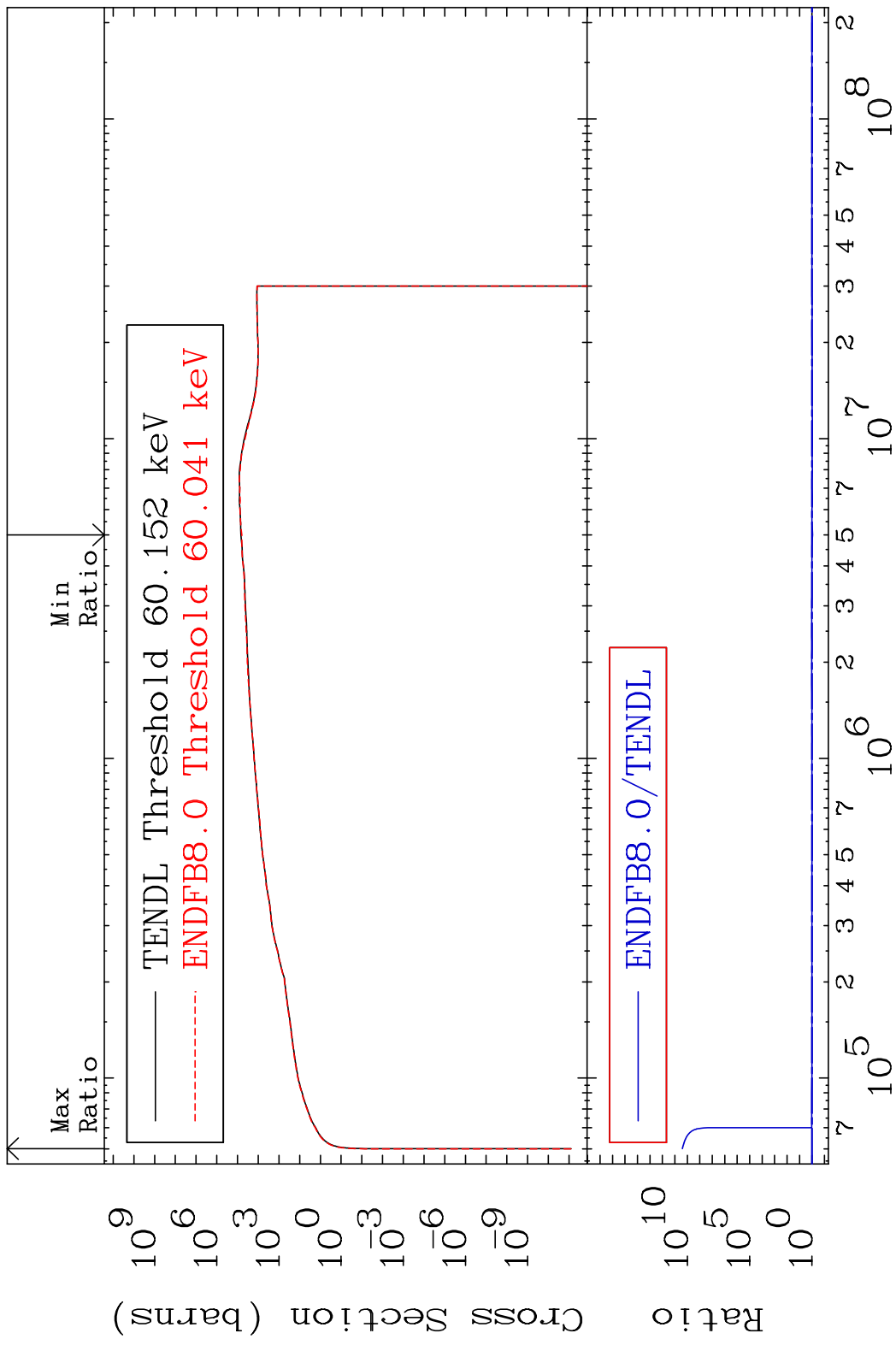


64

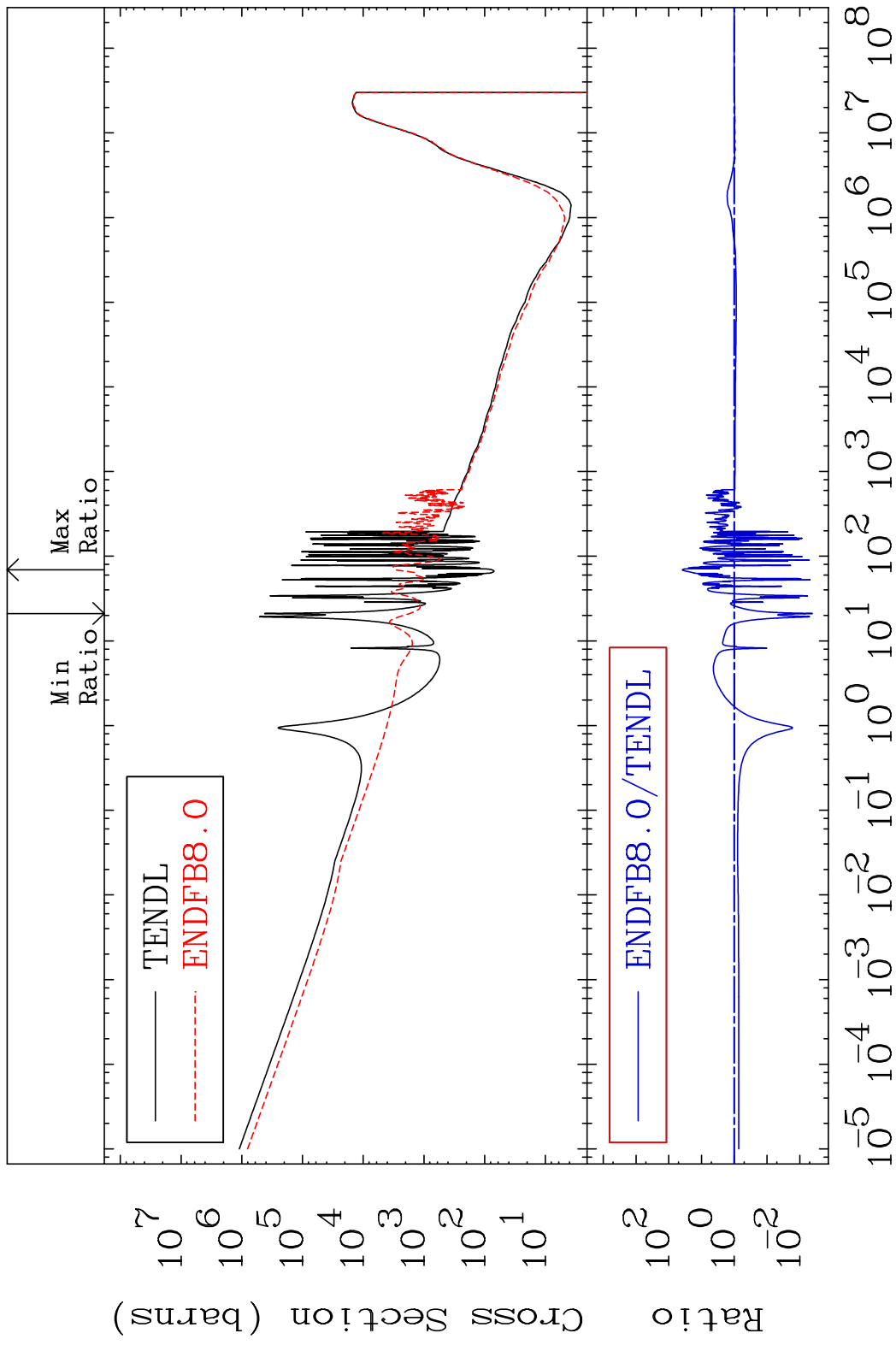
Incident Energy (eV)

48-Cd-109

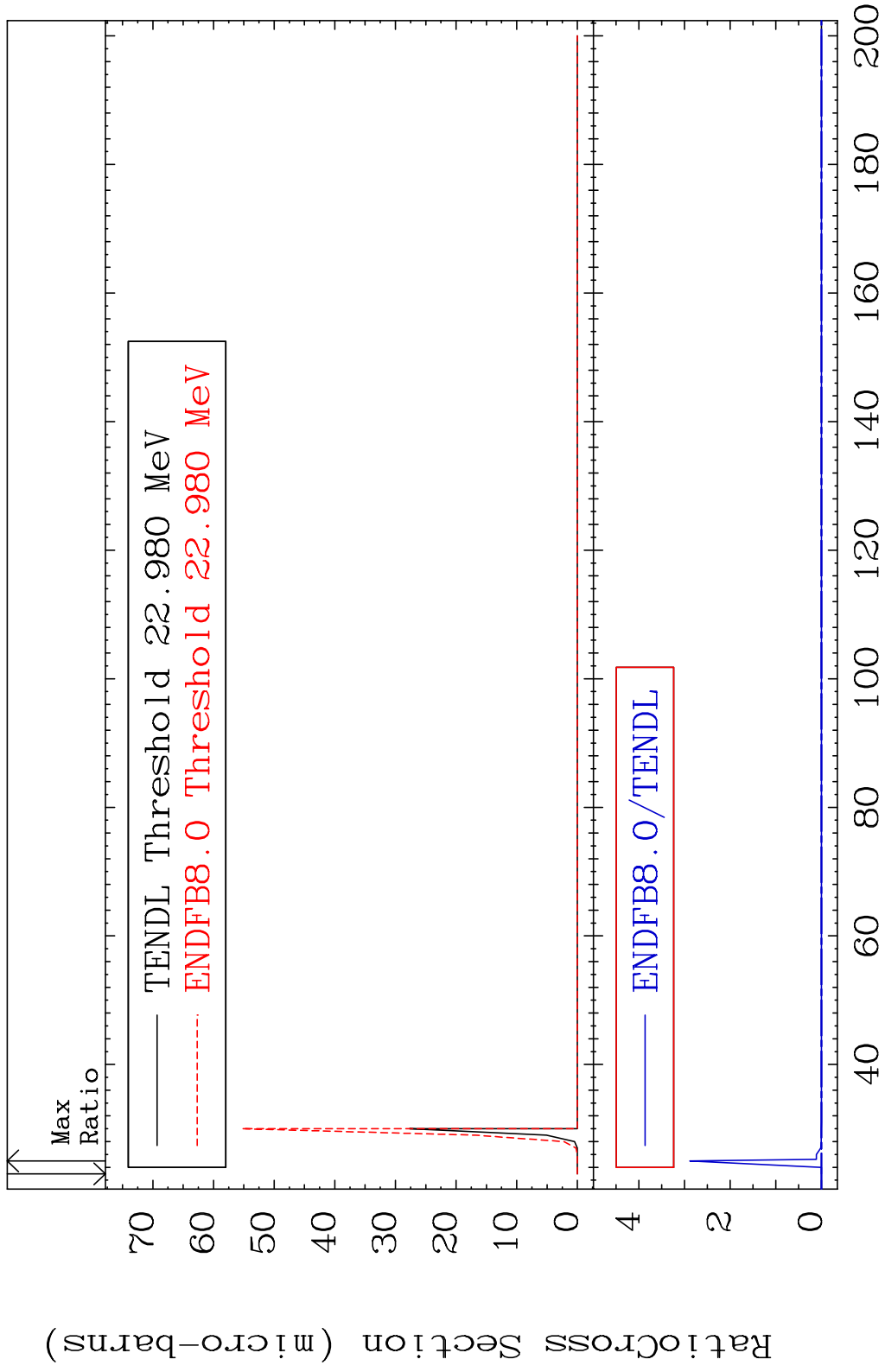
MAT 4834 Dpa inelastic (mt51-91) 48-Cd-109
 Cross Section -9.581 To 9999. %

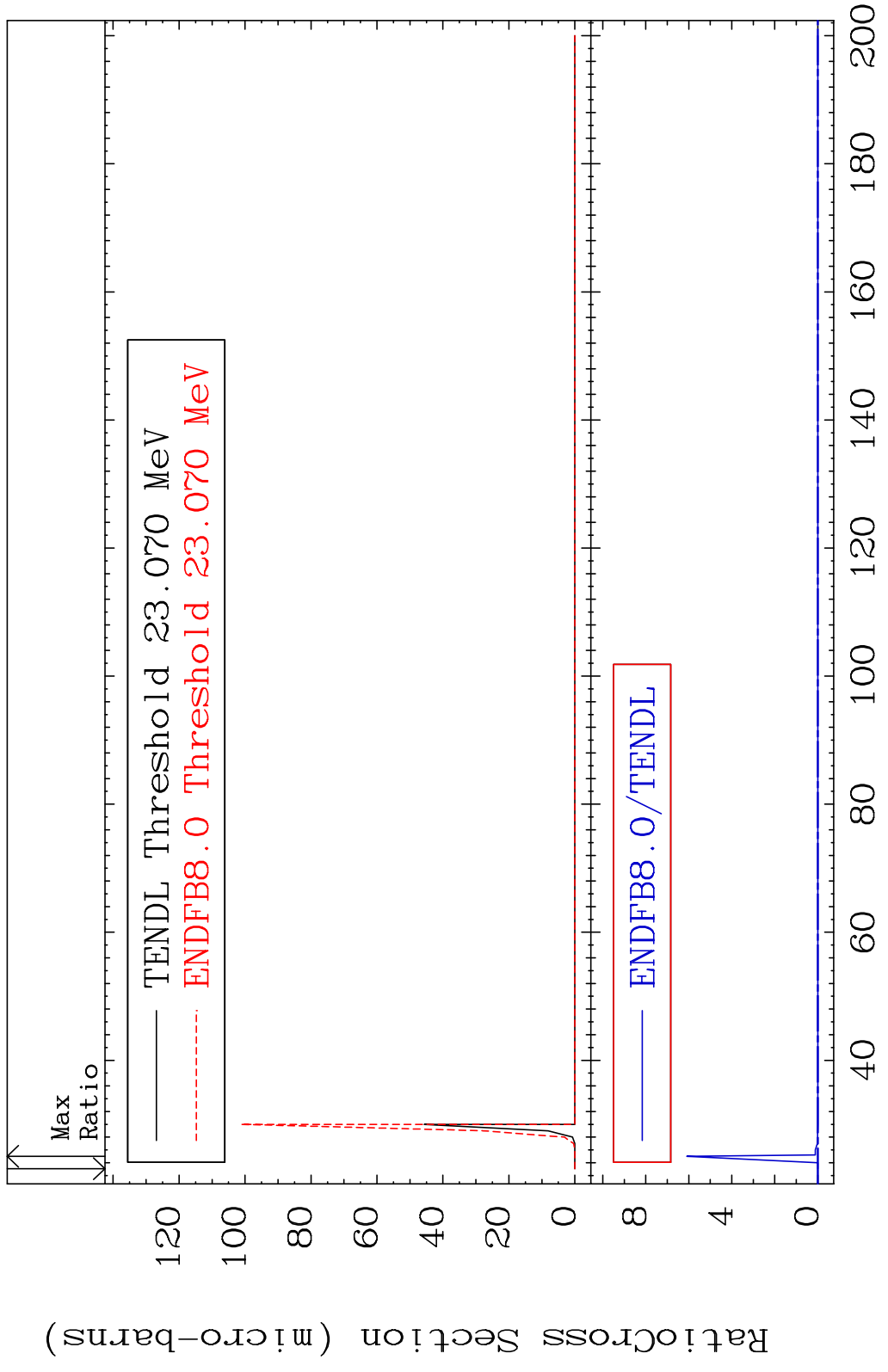


MAT 4834 Dpa disappearance (mt102 -120) 48-Cd-109
 Cross Section -99.59 To 3744. %

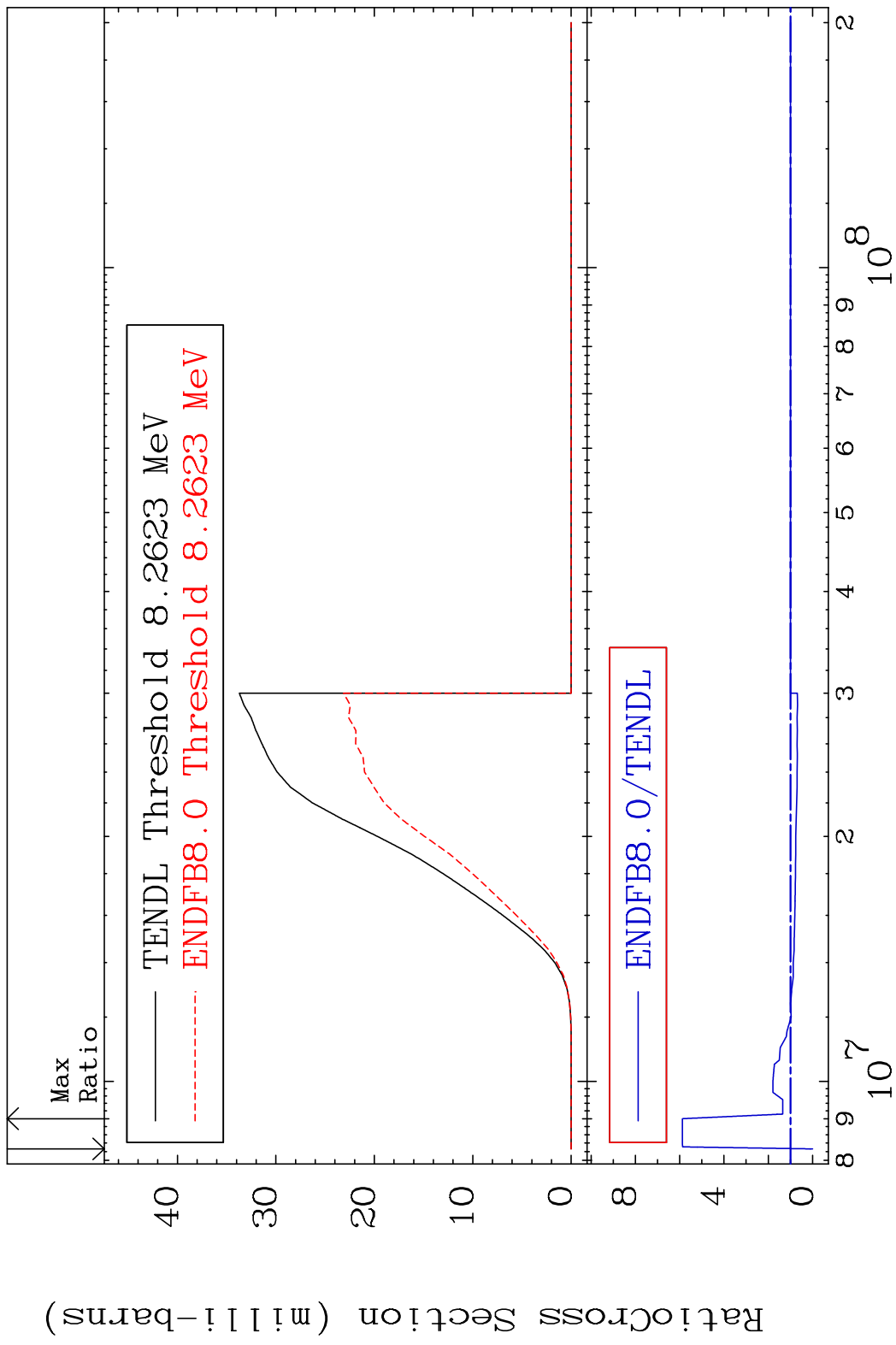


MAT 4834 (n,2n) d:47-Ag-106g 48-Cd-109
 Radionuclide Production Cross Section Ratio 9999. %

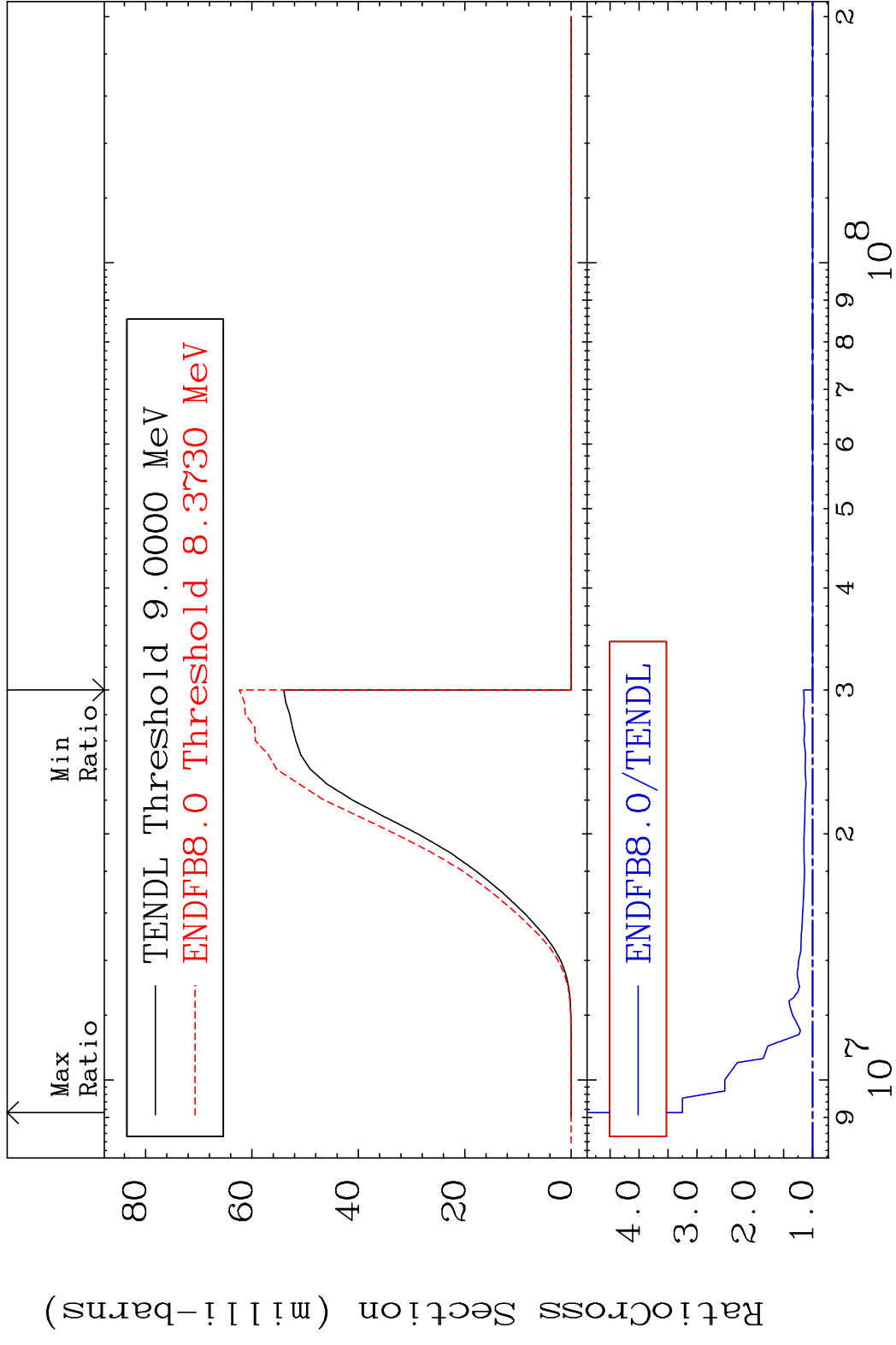




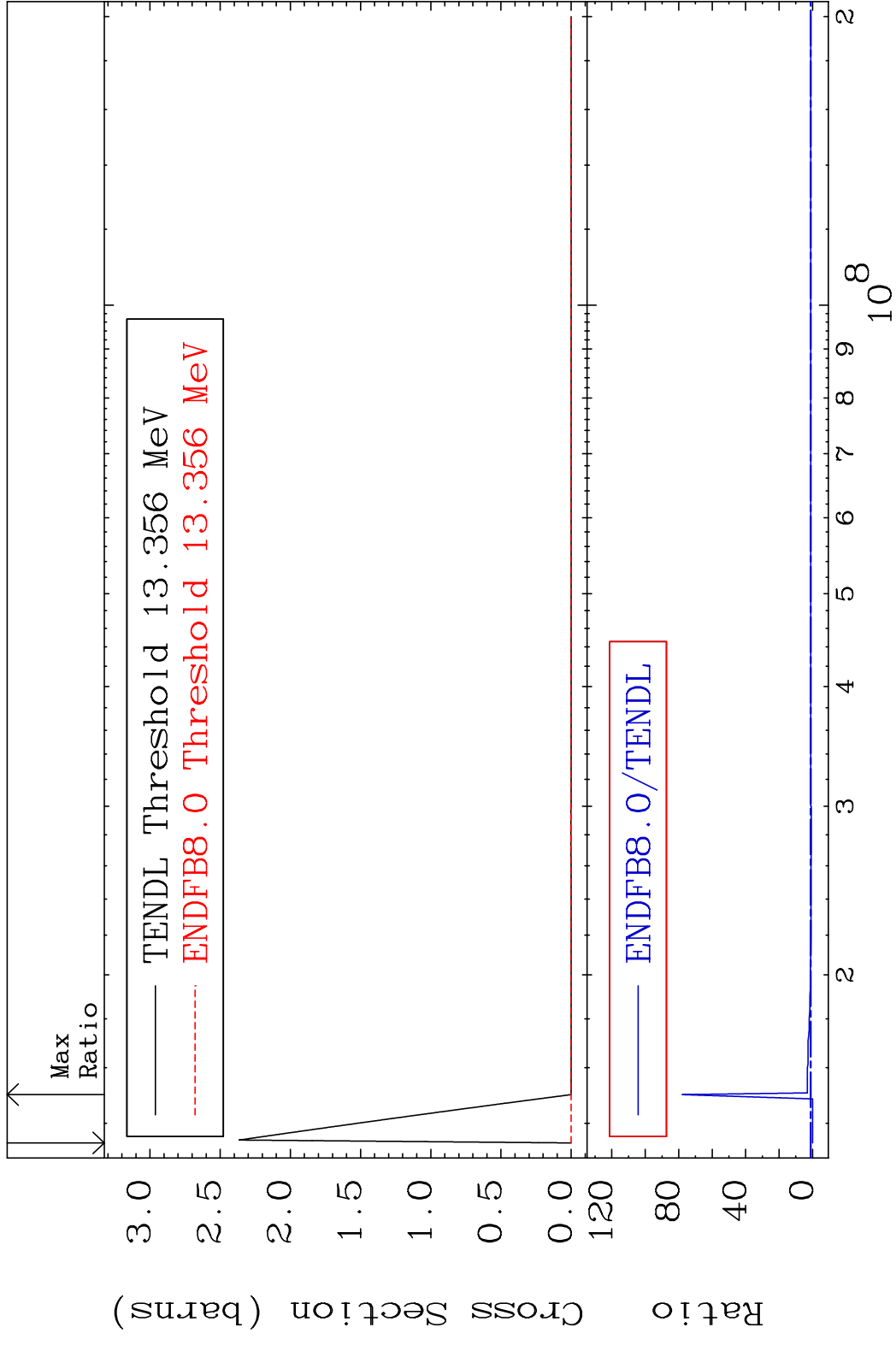
MAT 4834 (n, n') p:47-Ag-108g 48-Cd-109
 Radionuclide Production Cross Section Ratio 487.8 %

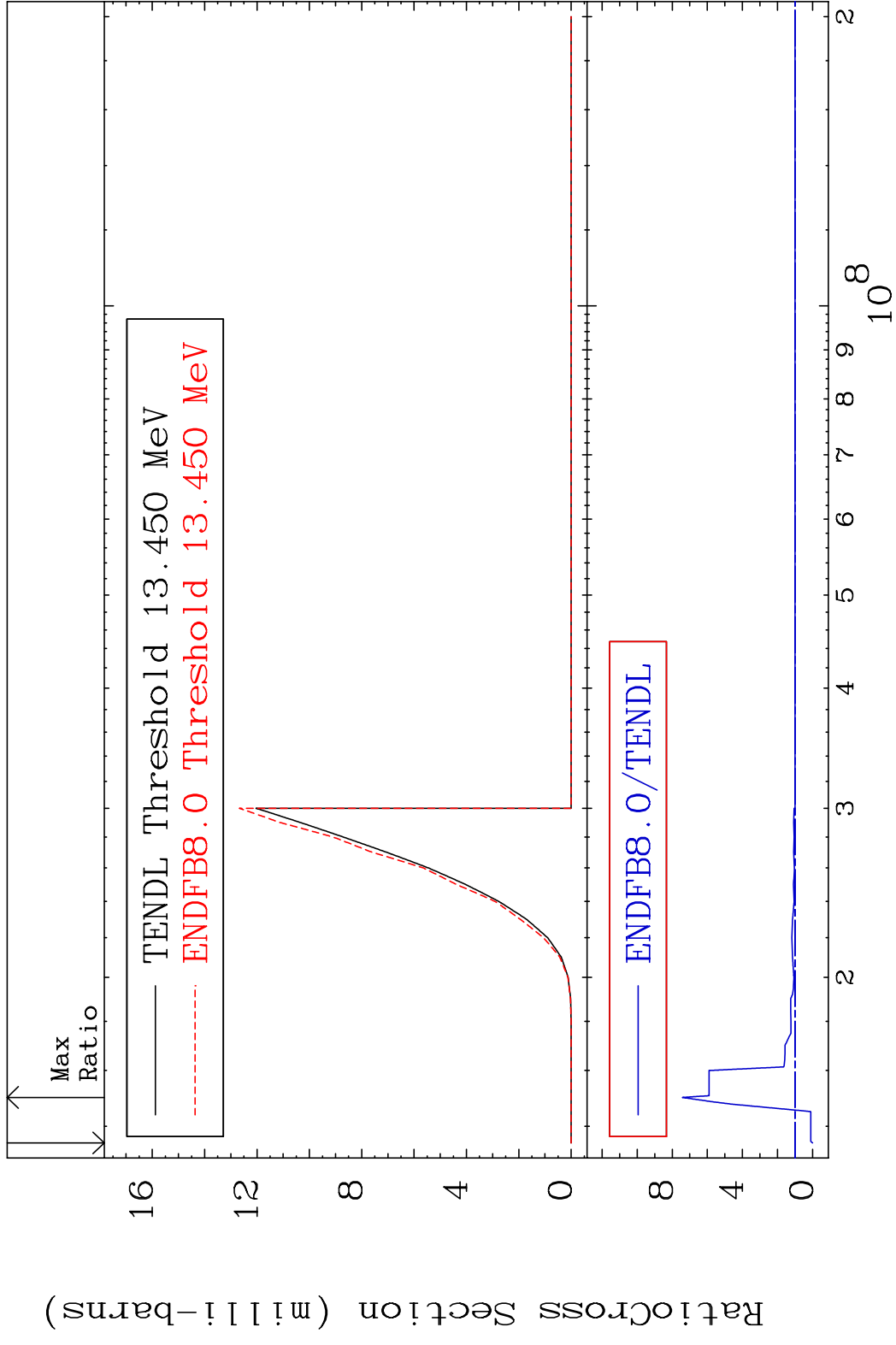


MAT 4834 (n, n') p:47-Ag-108m2 48-Cd-109
 Radionuclide Production Cross Section 225.2 %

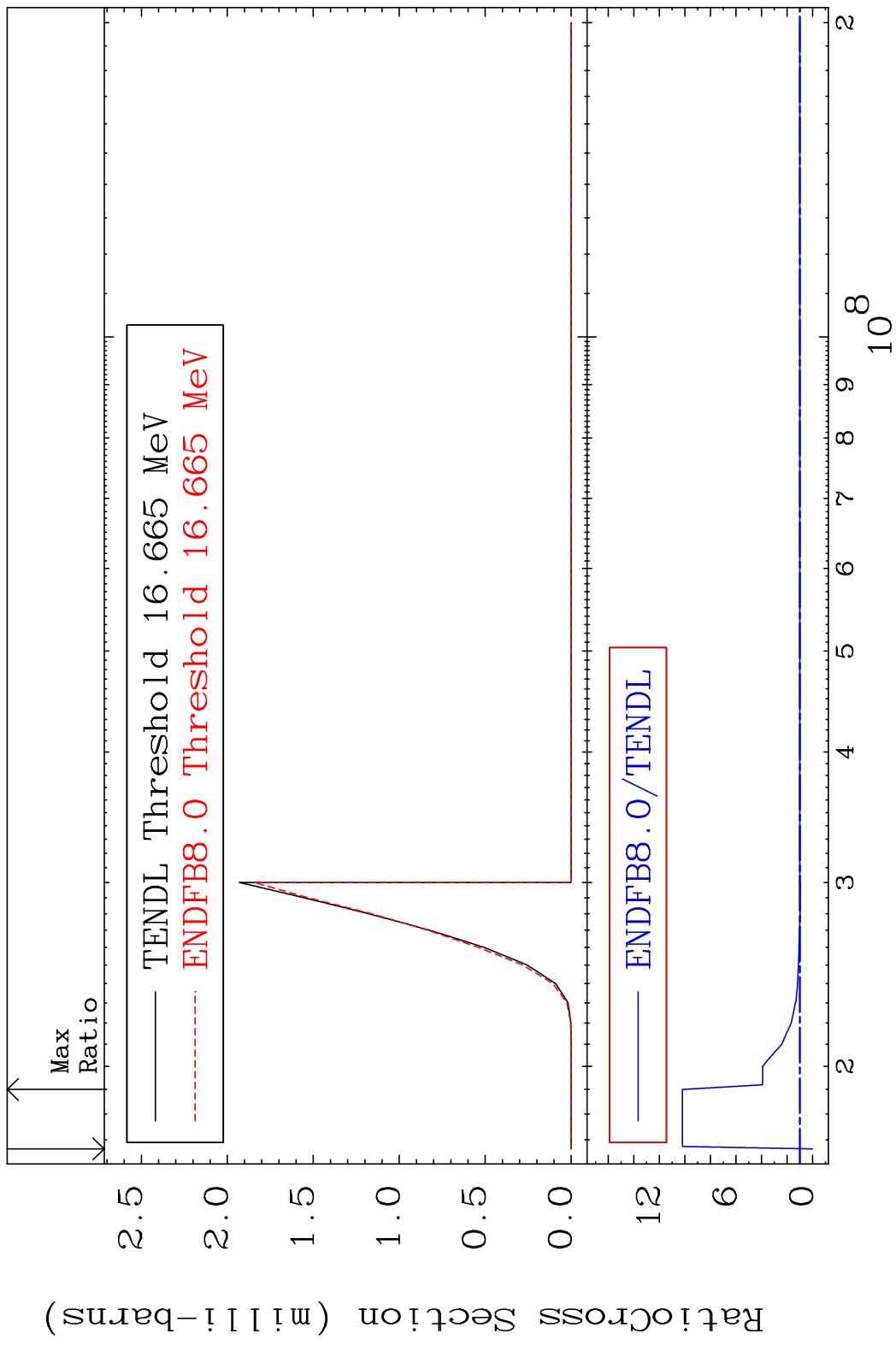


70 Incident Energy (eV) 48-Cd-109

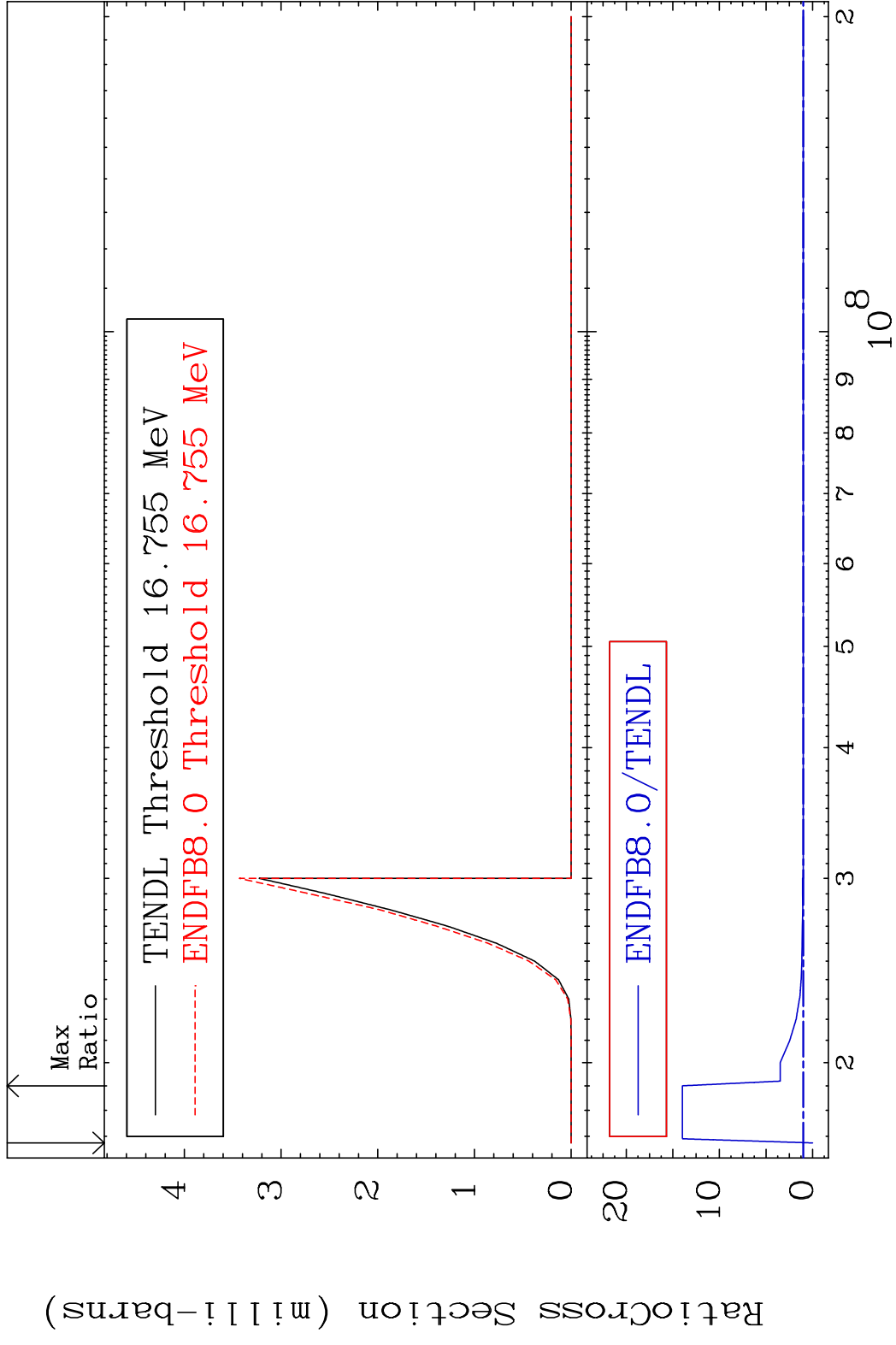




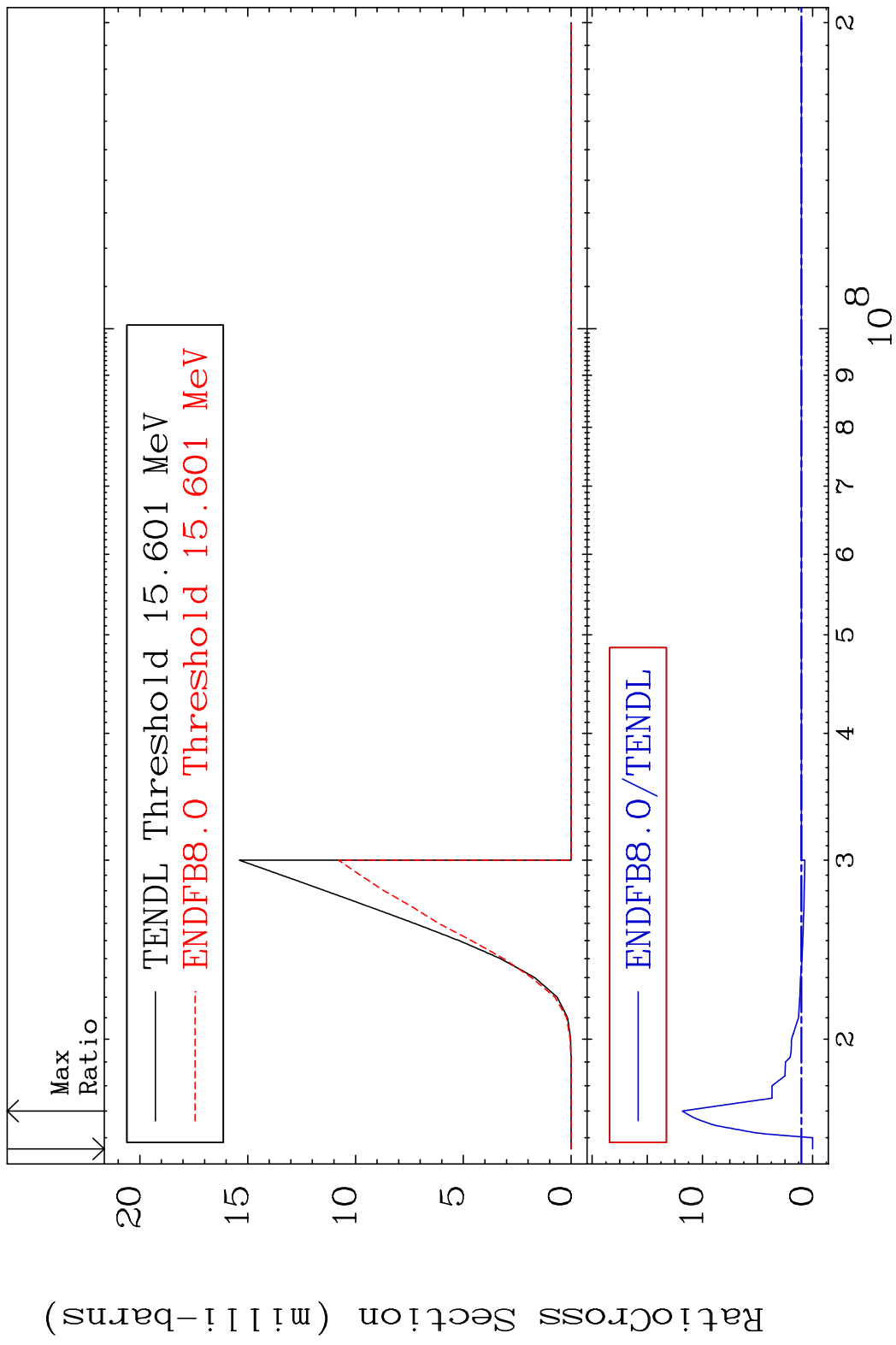
MAT 4834 (n, n') t:47-Ag-106g 48-Cd-109
 Radionuclide Production Cross Section Ratio 919.8 %

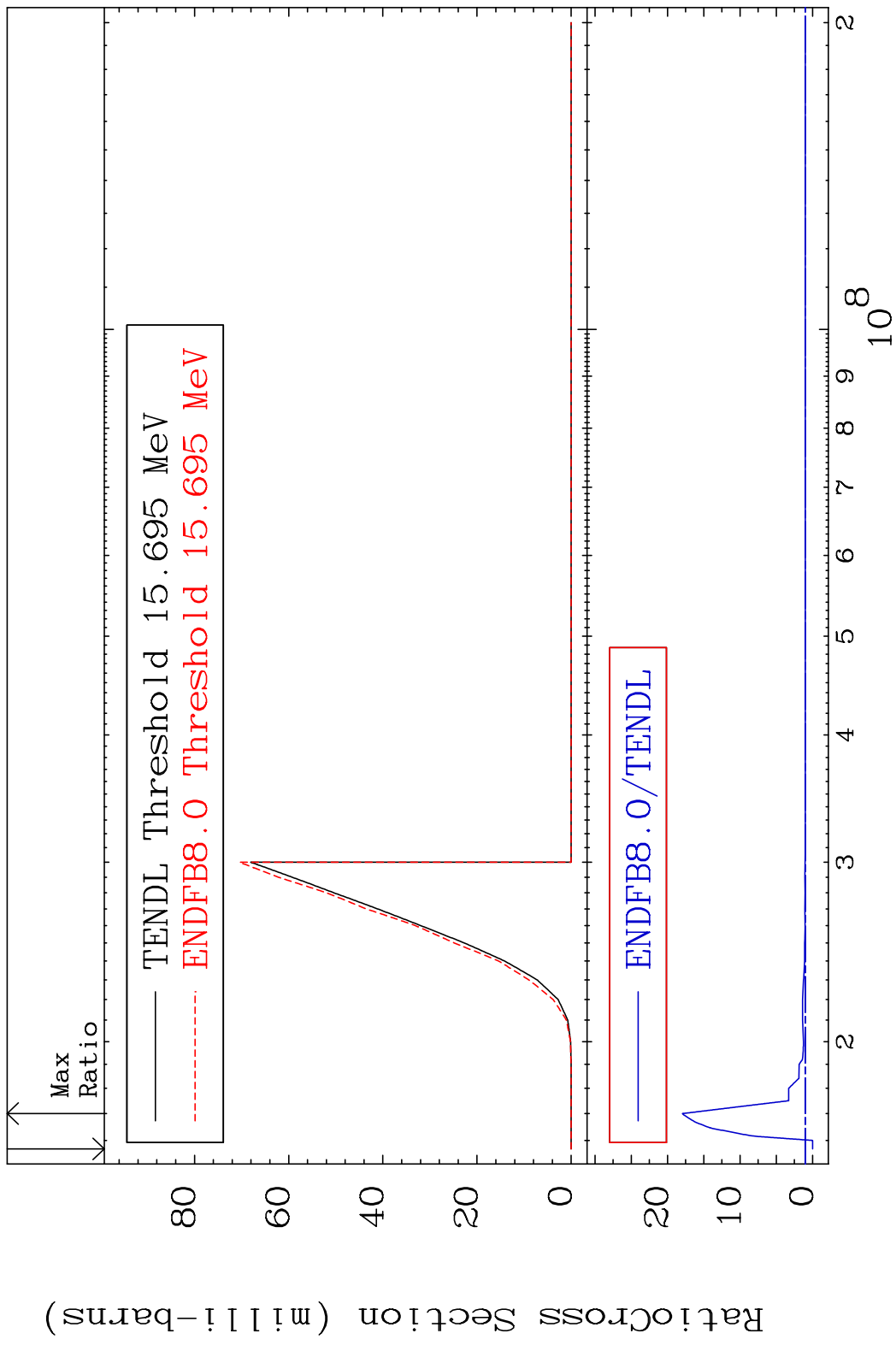


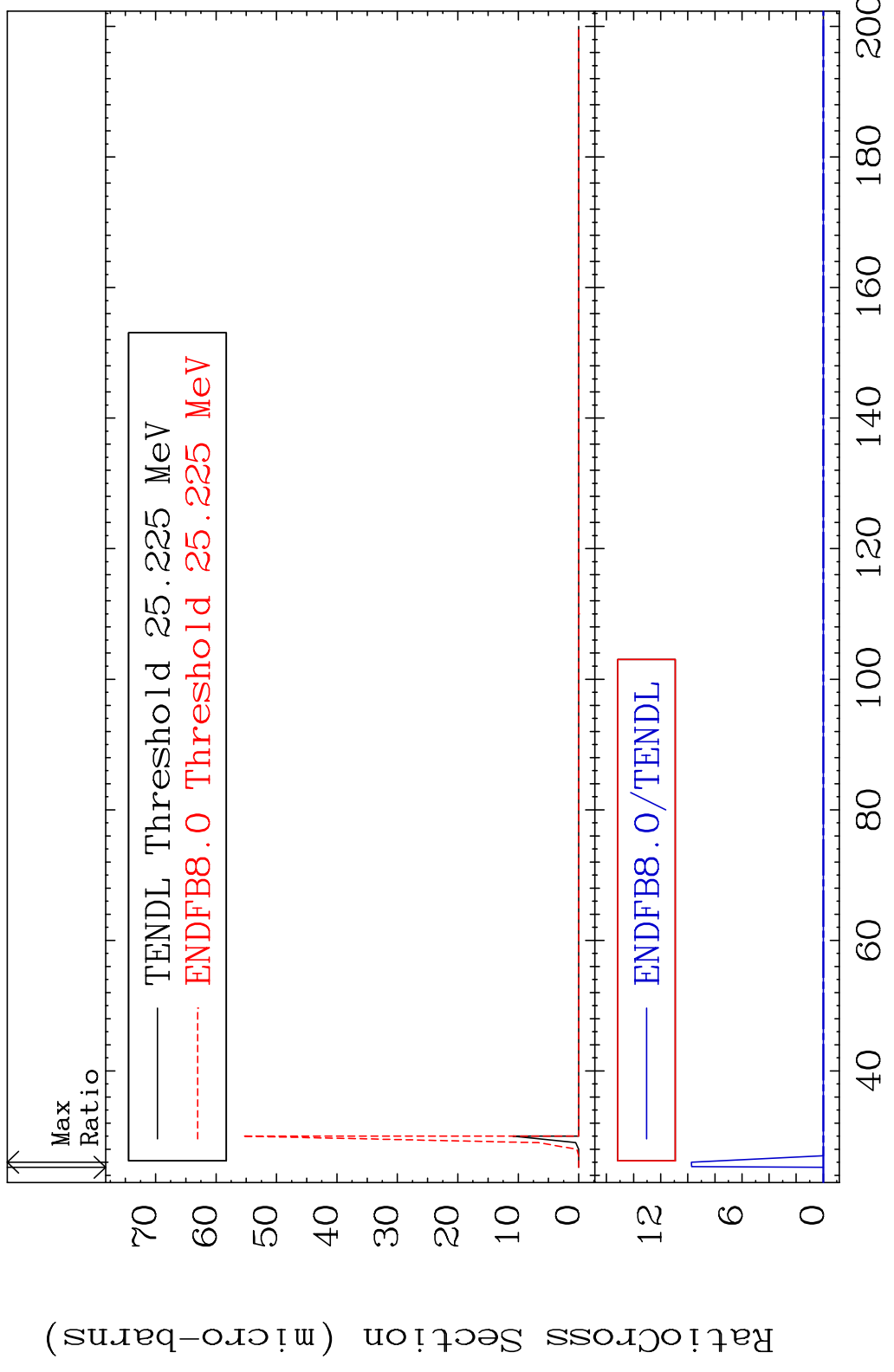
MAT 4834 (n, n') t:47-Ag-106m1 48-Cd-109
 Radionuclide Production Cross Section 100.00 dth 1298. %

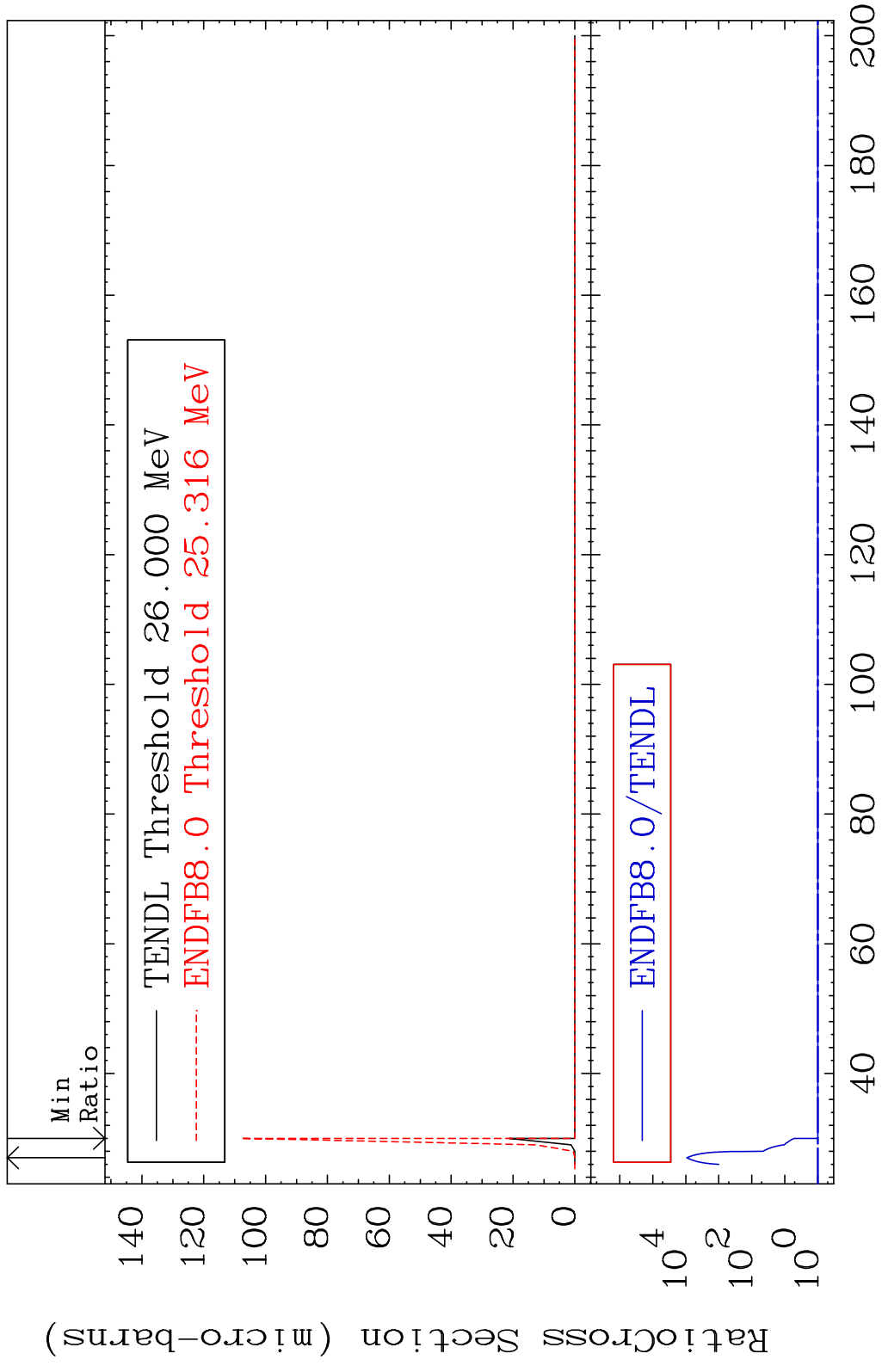


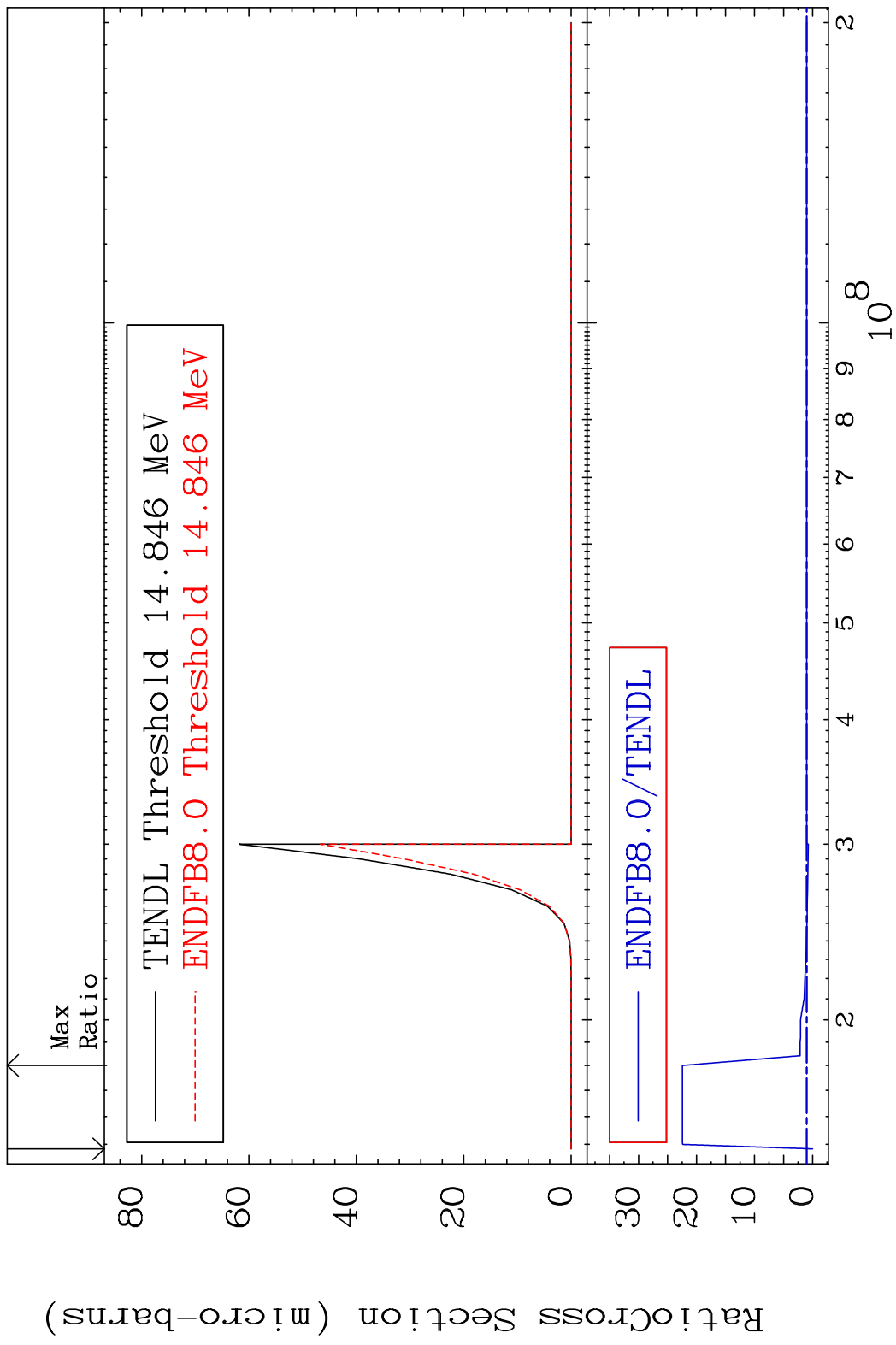
MAT 4834 (n,2n) p:47-Ag-107g 48-Cd-109
 Radionuclide Production Cross Section Ratio 100.0 to 1082. %

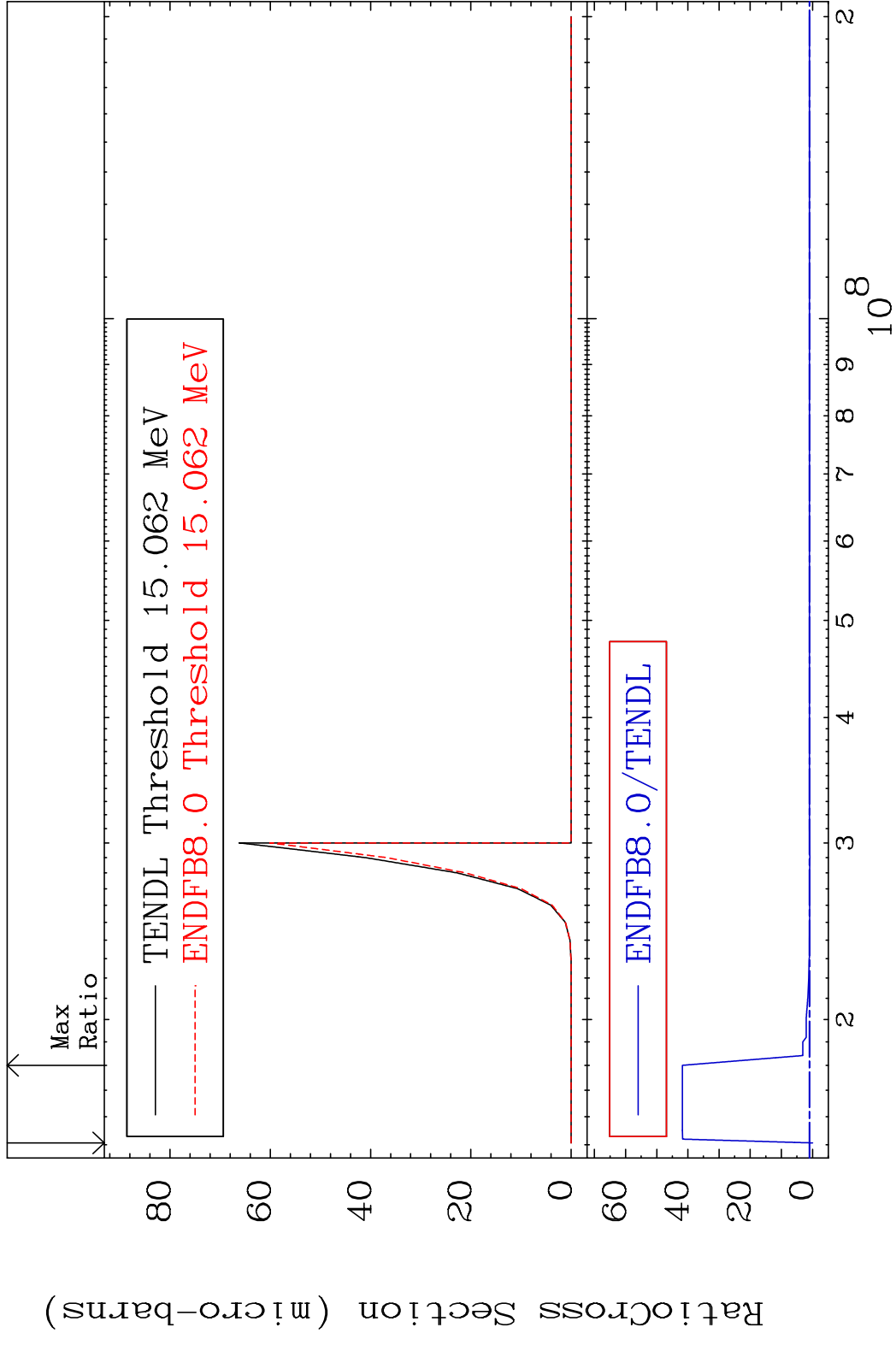


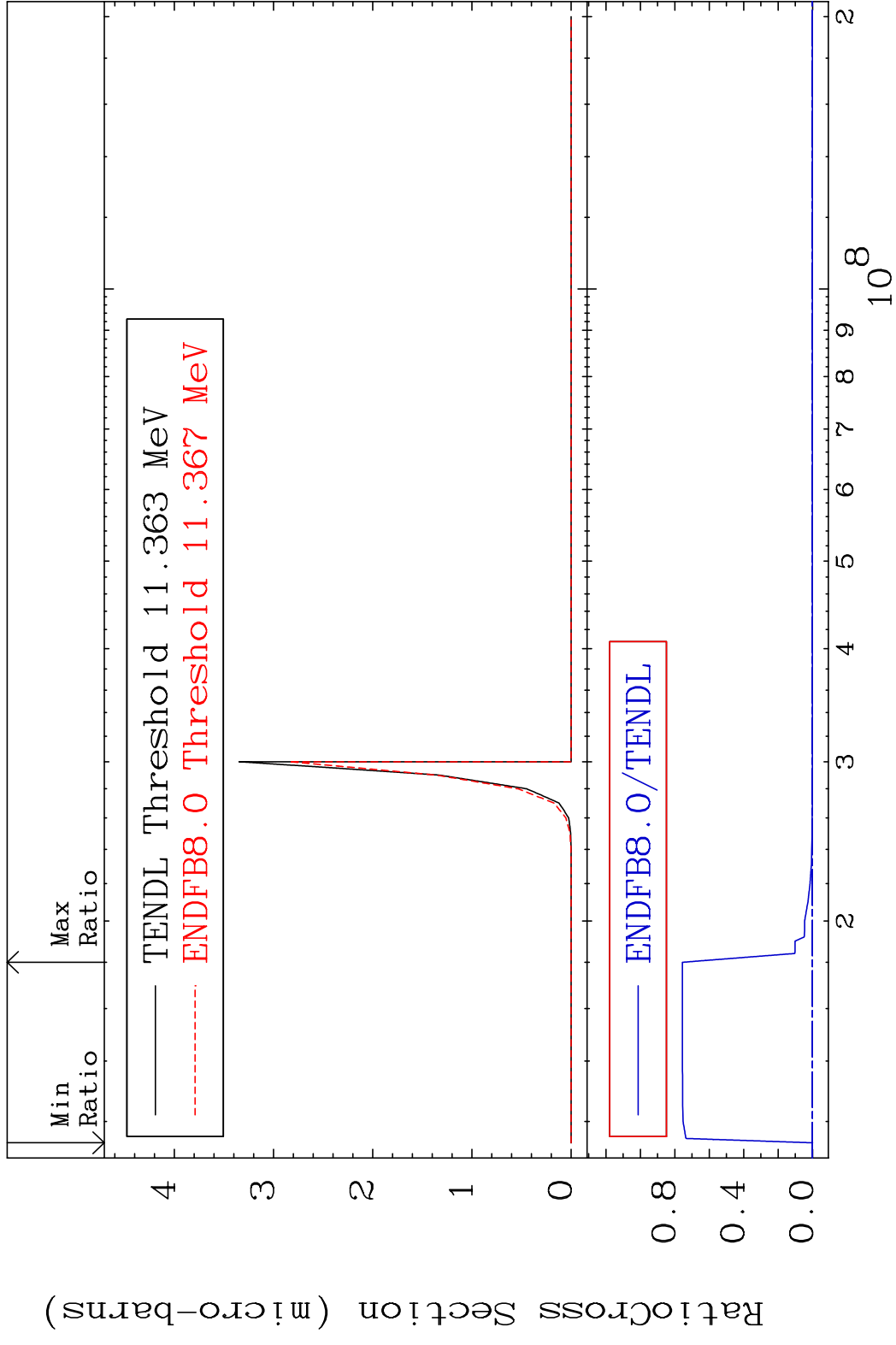




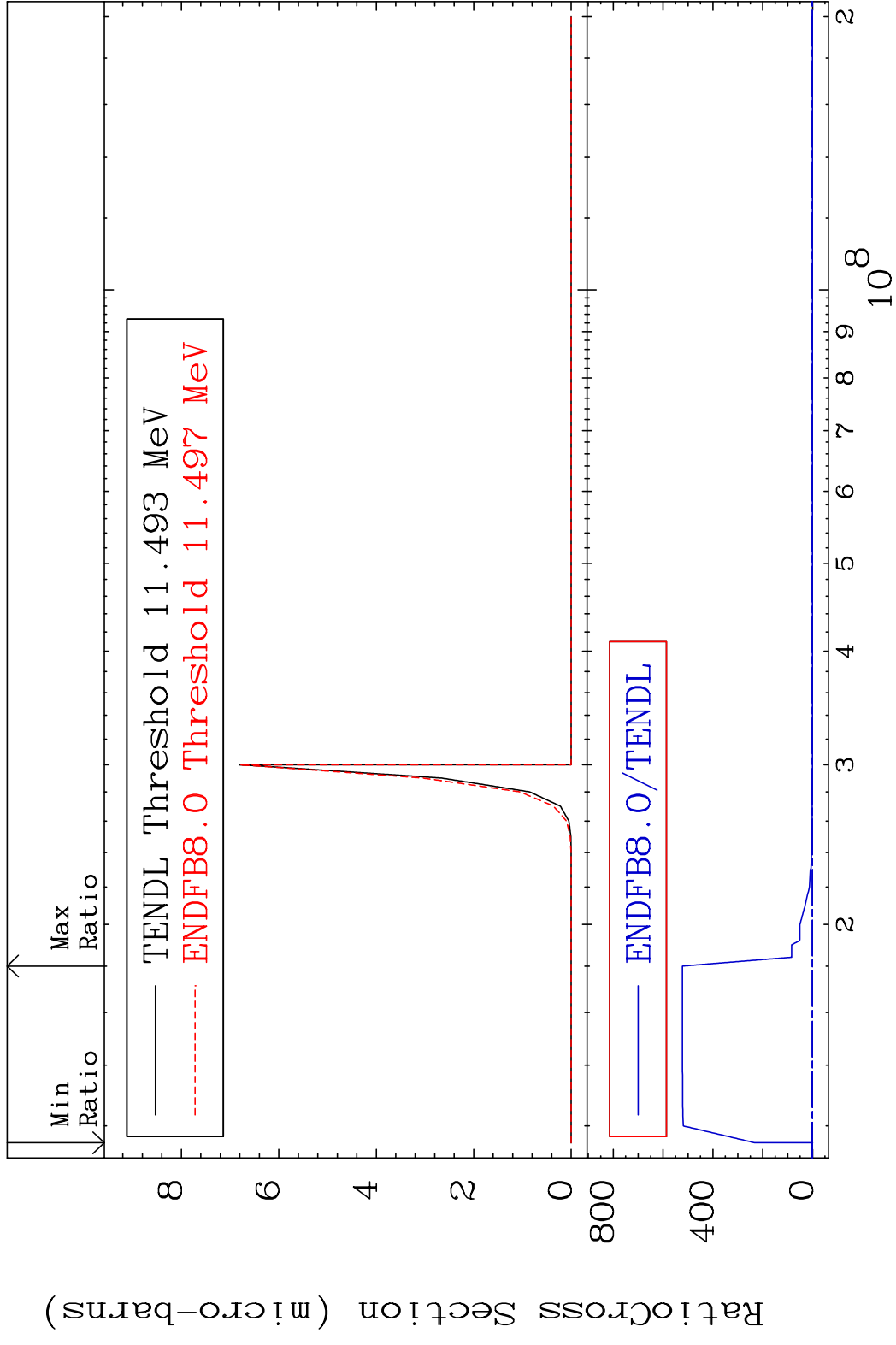




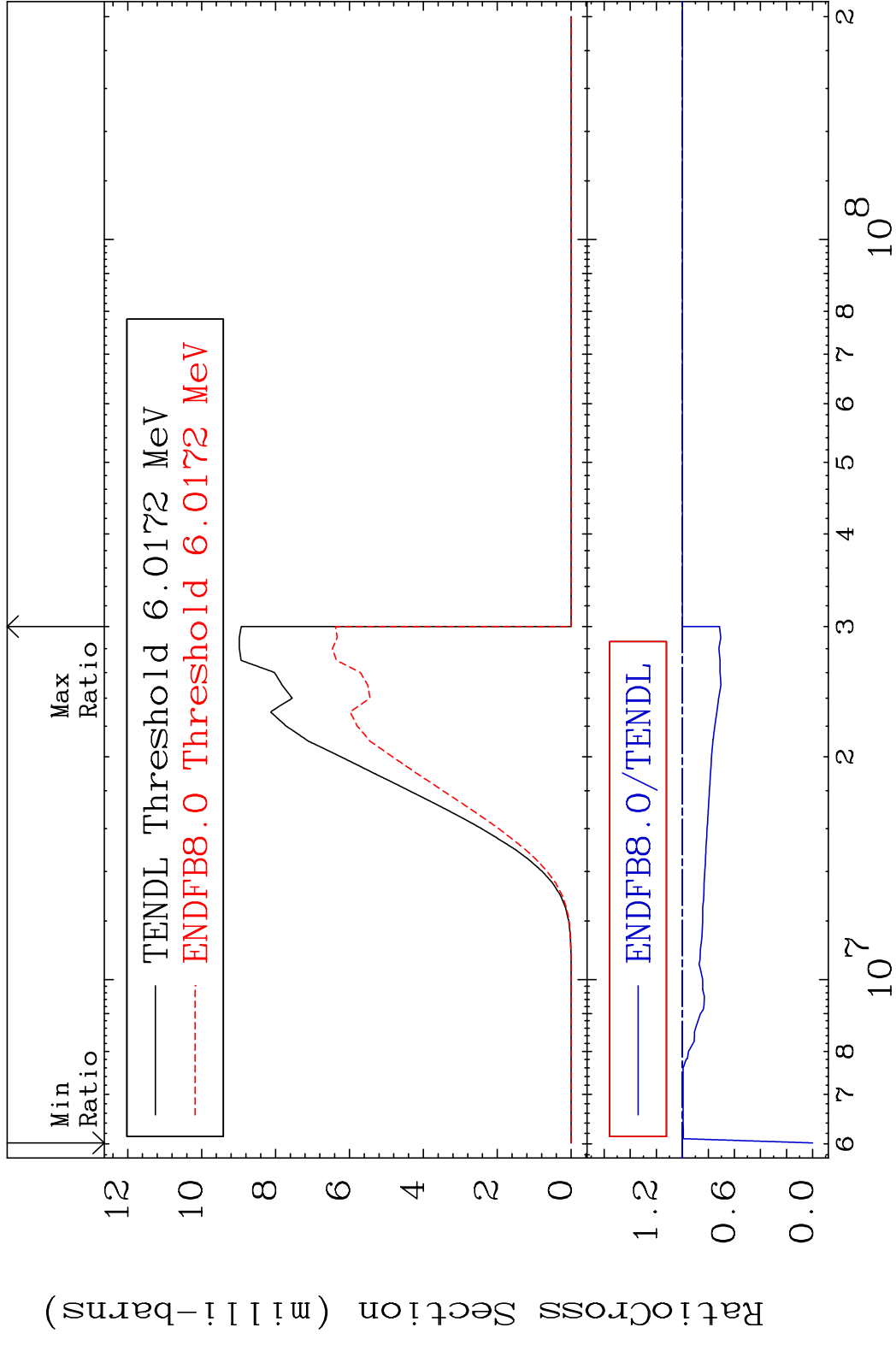




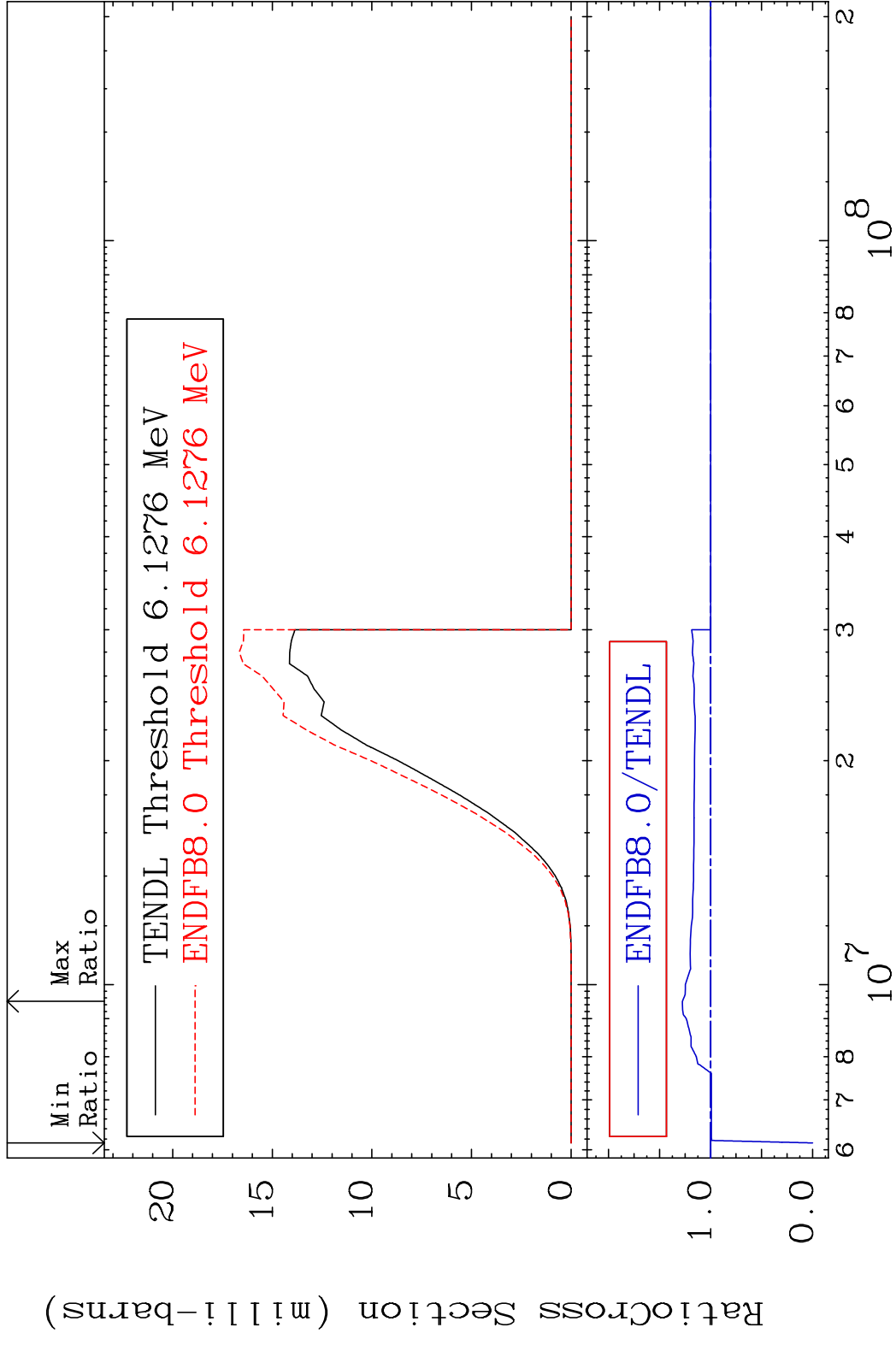
MAT 4834 (n, n') p α : 45-Rh-104m3 48-Cd-109
 Radionuclide Production Cross Section 100.00 % 9999. %



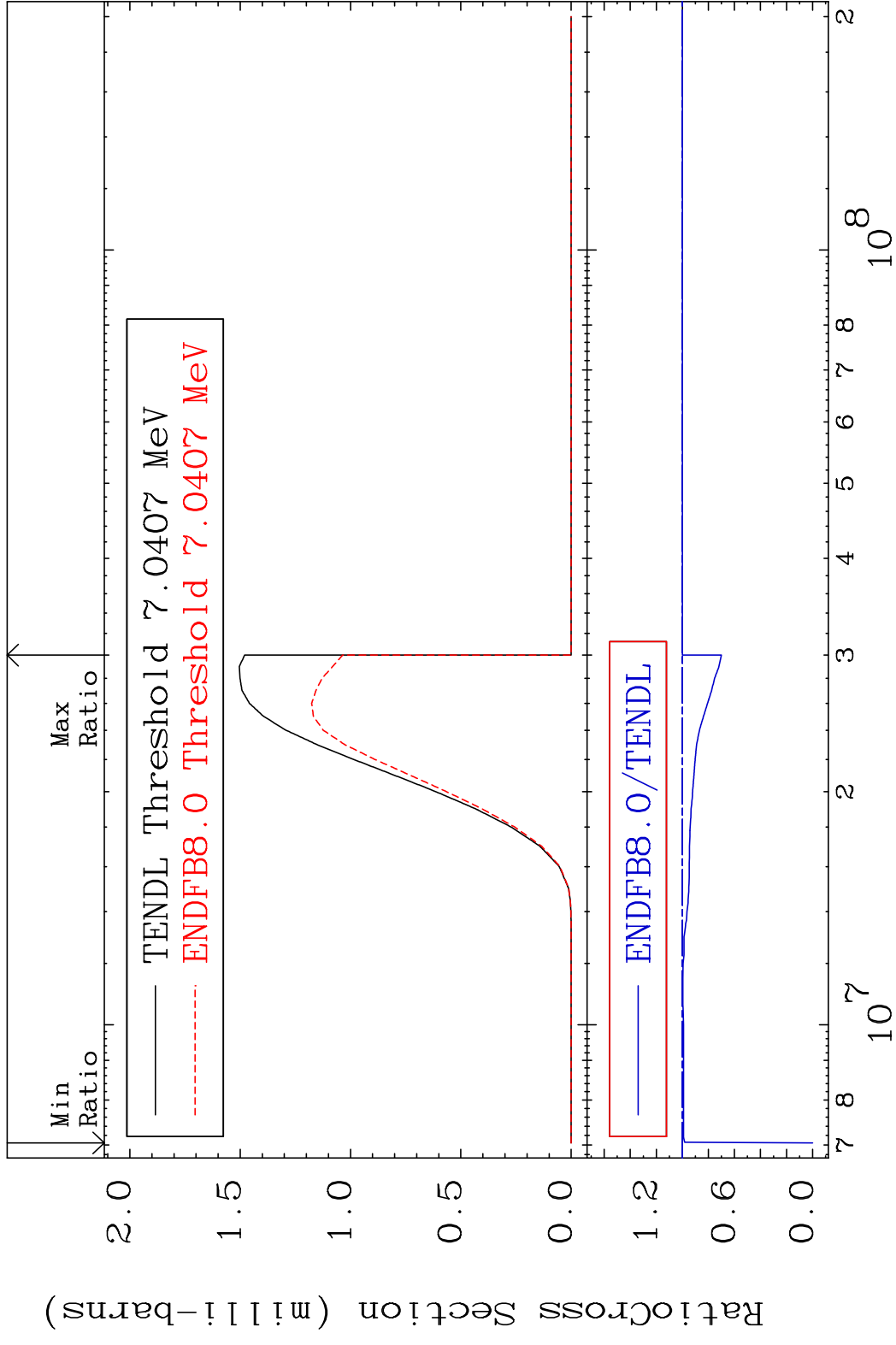
MAT 4834 (n,d):47-Ag-108g 48-Cd-109
 Radionuclide Production Cross Section Ratio 0.000 %



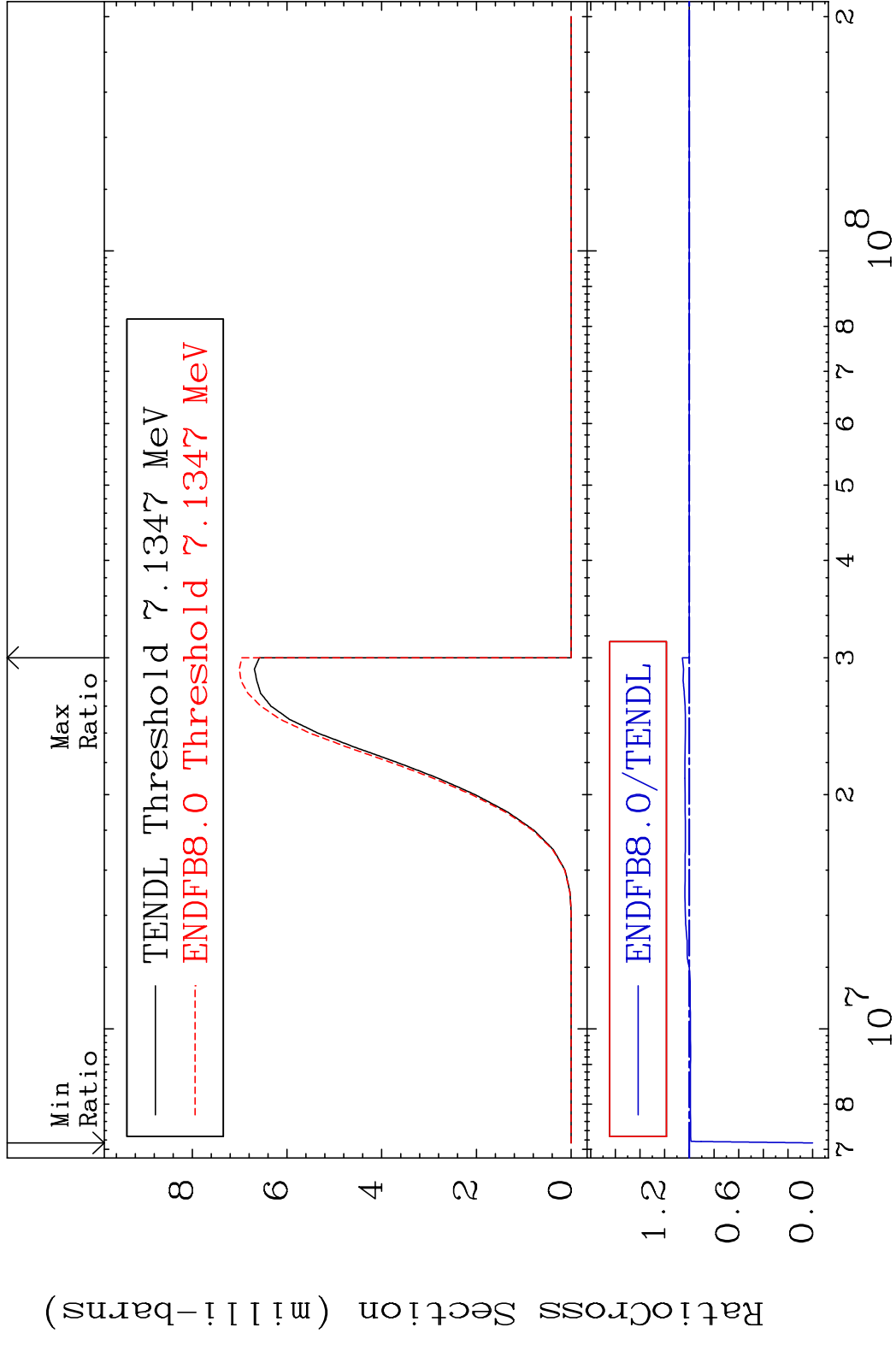
MAT 4834 (n,d):47-Ag-108m2 48-Cd-109
 Radionuclide Production Cross Section 1800.0 dth 27.67 %

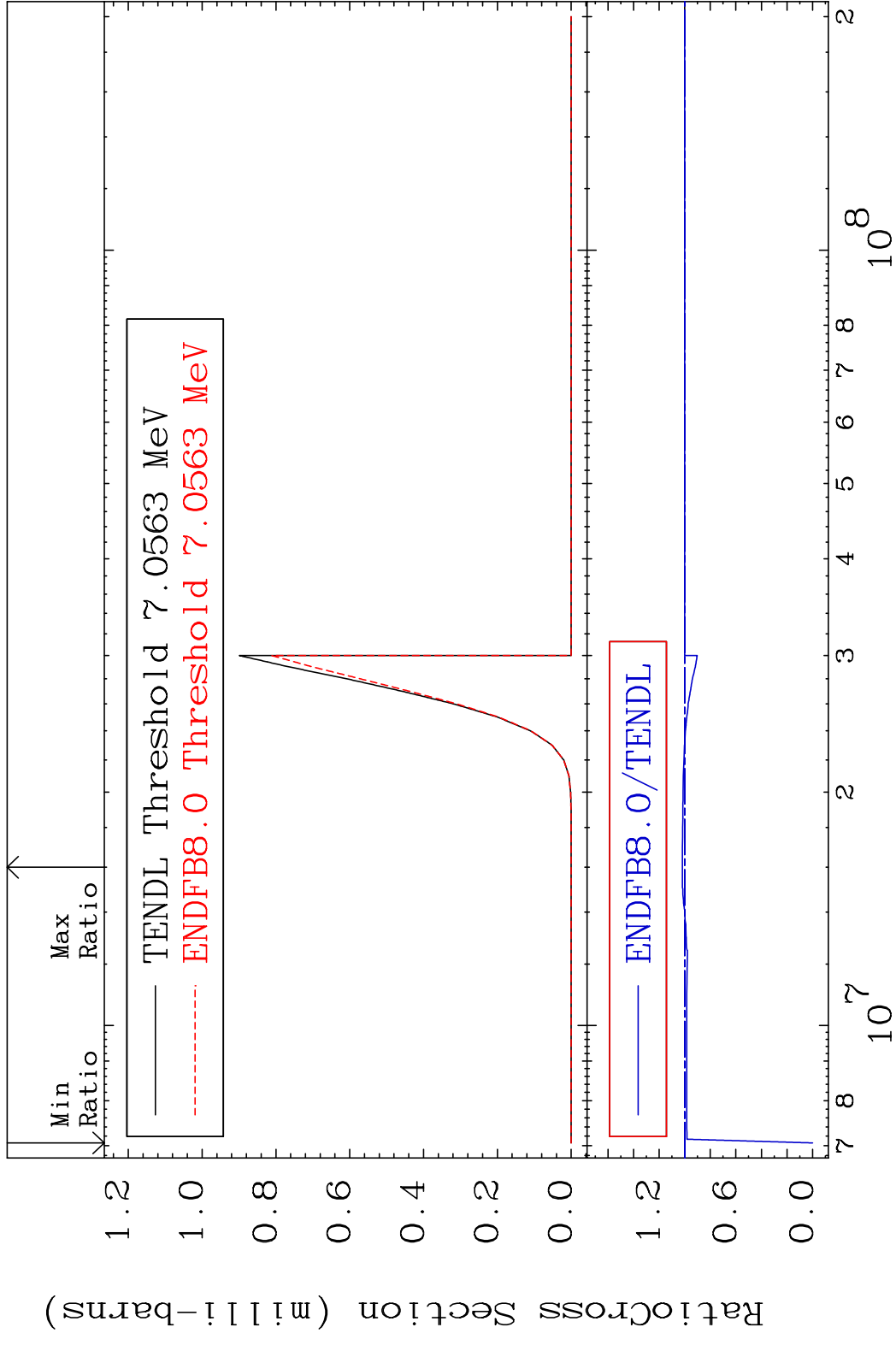


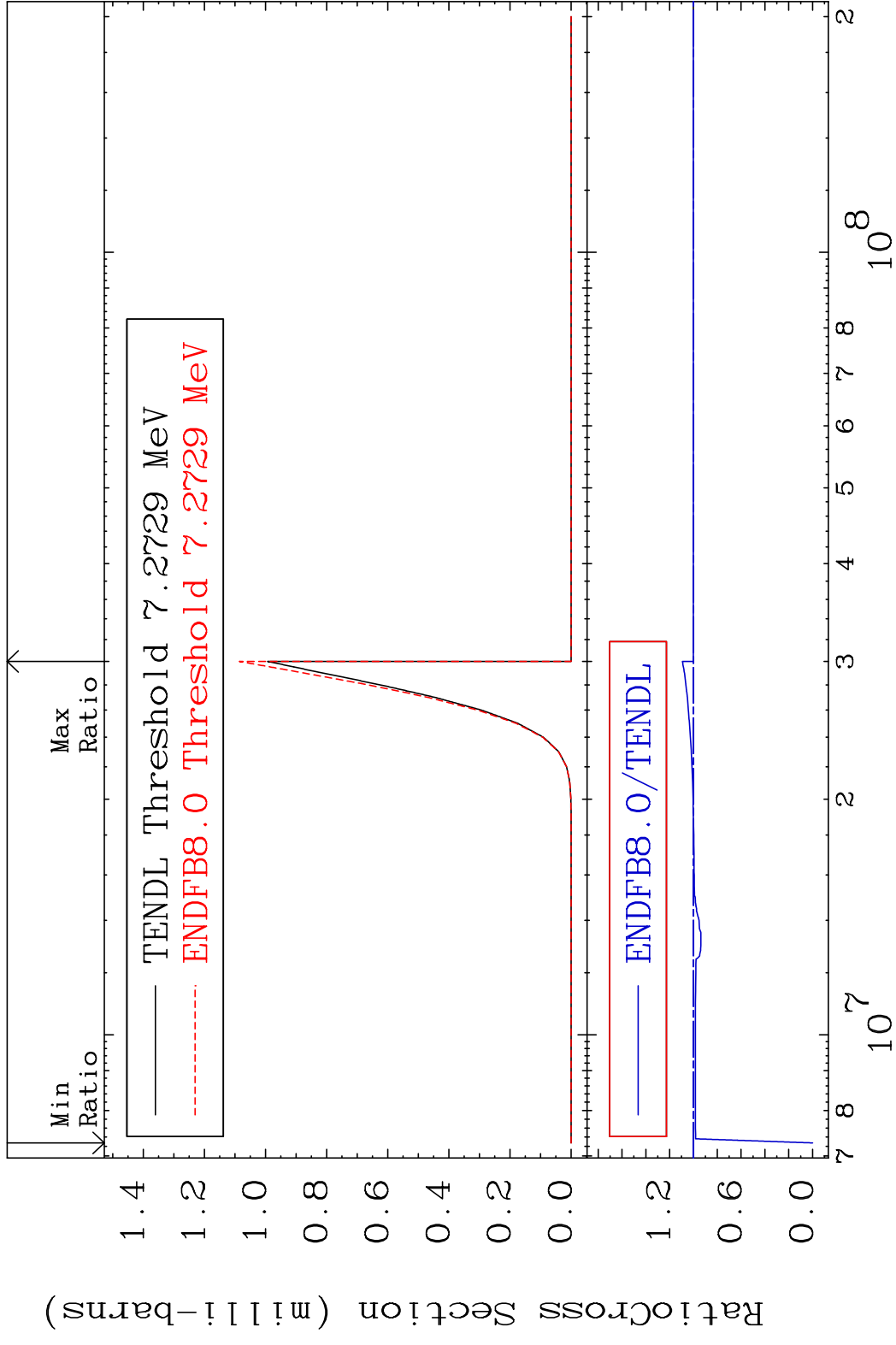
MAT 4834 (n, t): 47-Ag-107g 48-Cd-109
 Radionuclide Production Cross Section Ratio 0.000 %



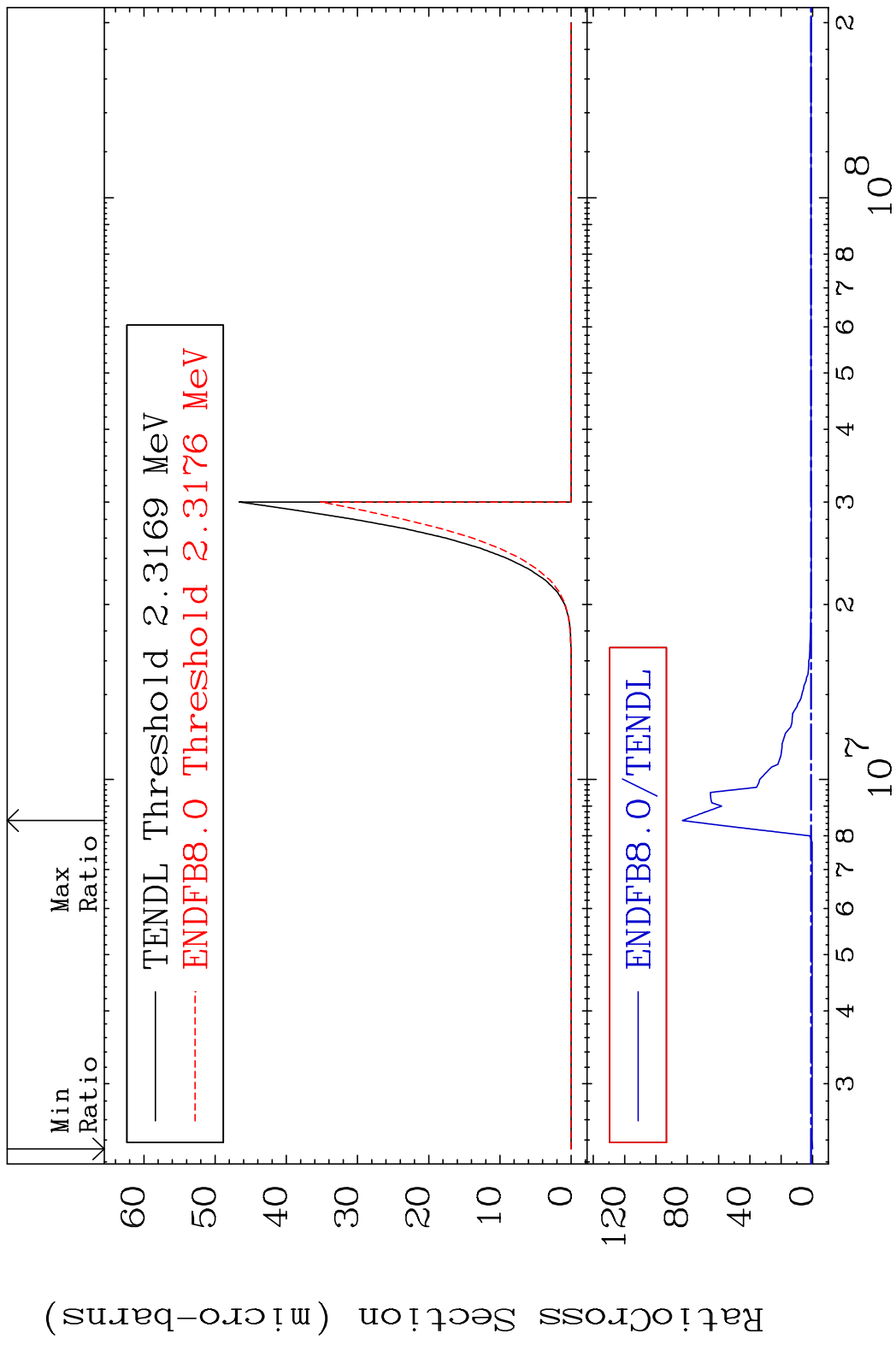
MAT 4834 (n, t): 47-Ag-107m1 48-Cd-109
 Radionuclide Production Cross Section Ratio 5.670 %



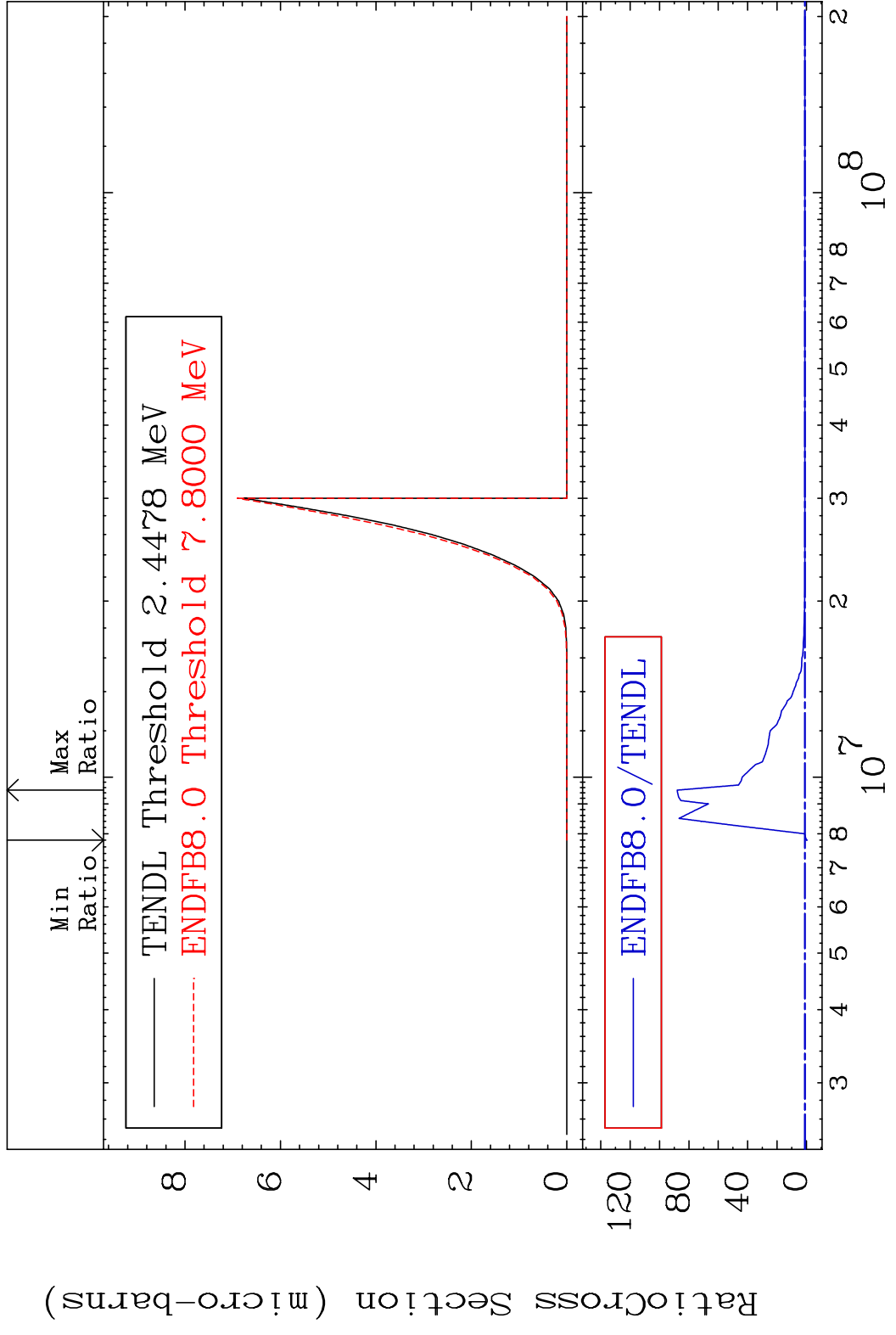




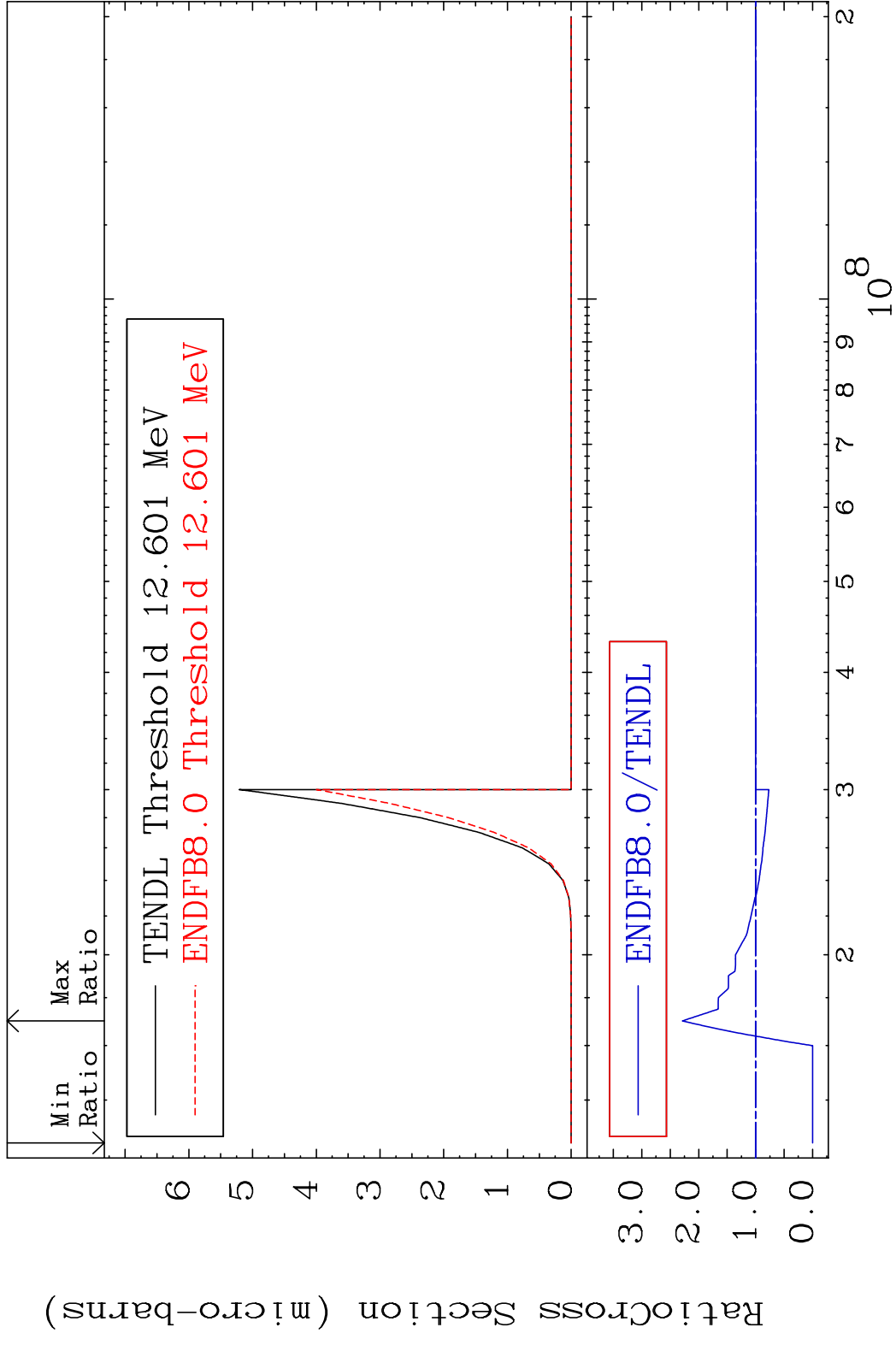
MAT 4834 (n,p) α :45-Rh-105g 48-Cd-109
 Radionuclide Production Cross Section 18000 dth 8212. %



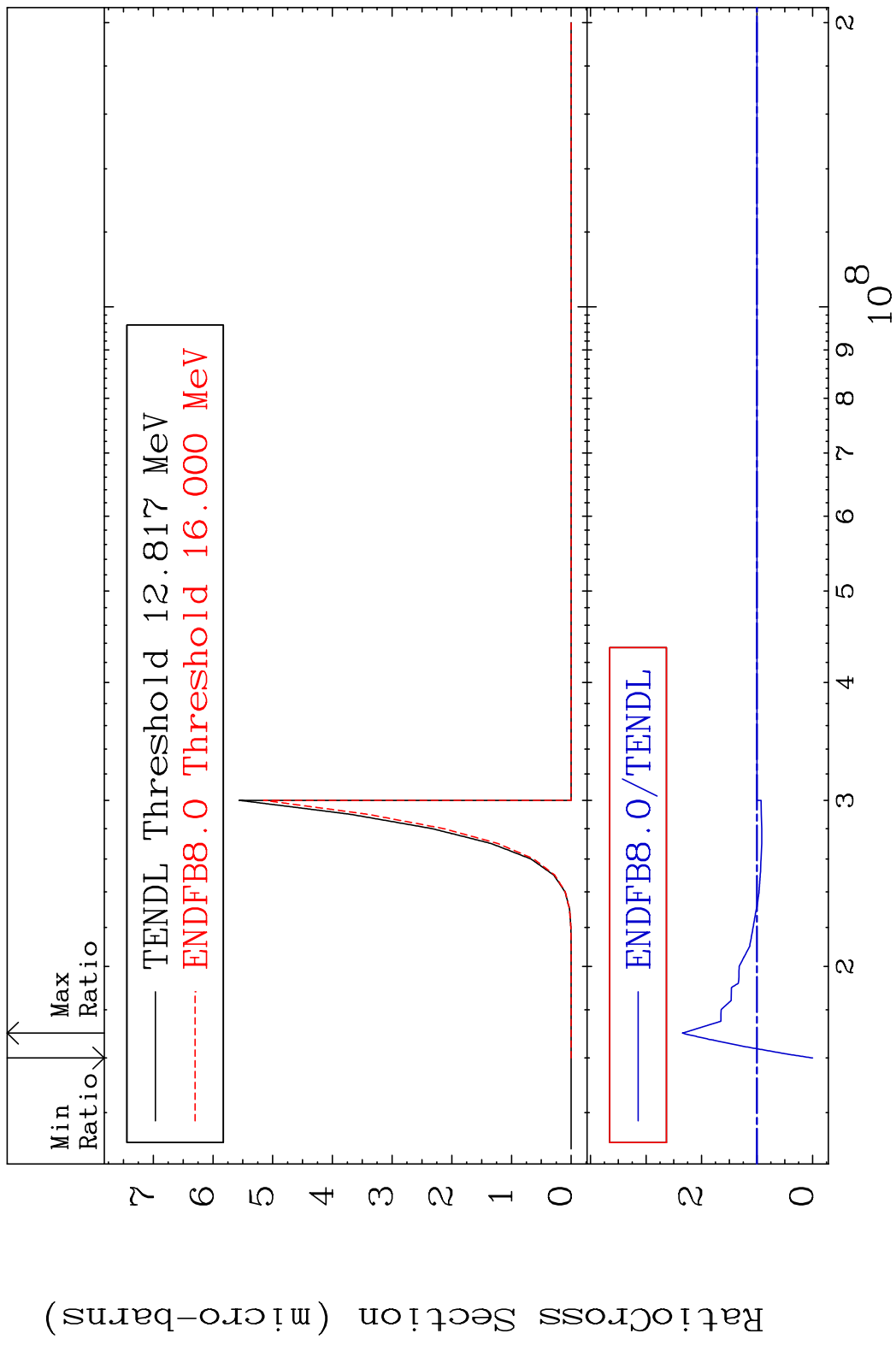
MAT 4834 (n, p) α : 45-Rh-105m1 48-Cd-109
 Radionuclide Production Cross Section 100.00 dth 8699. %



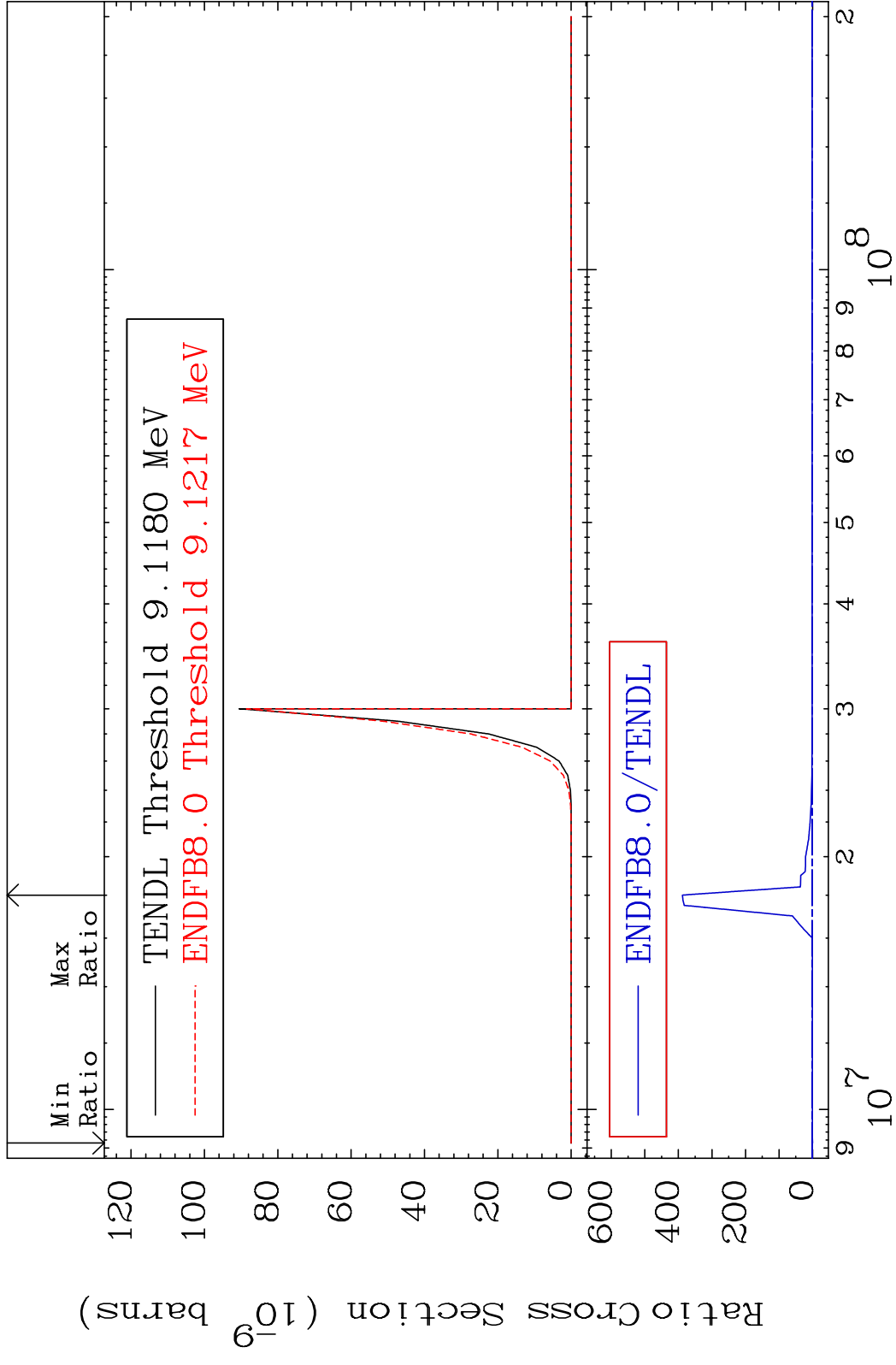
MAT 4834 (n,p) d:46-Pd-107g 48-Cd-109
 Radionuclide Production Cross Section 128.7 %



MAT 4834 (n, p) d:46-Pd-107m2 48-Cd-109
 Radionuclide Production Cross Section 134.6 %

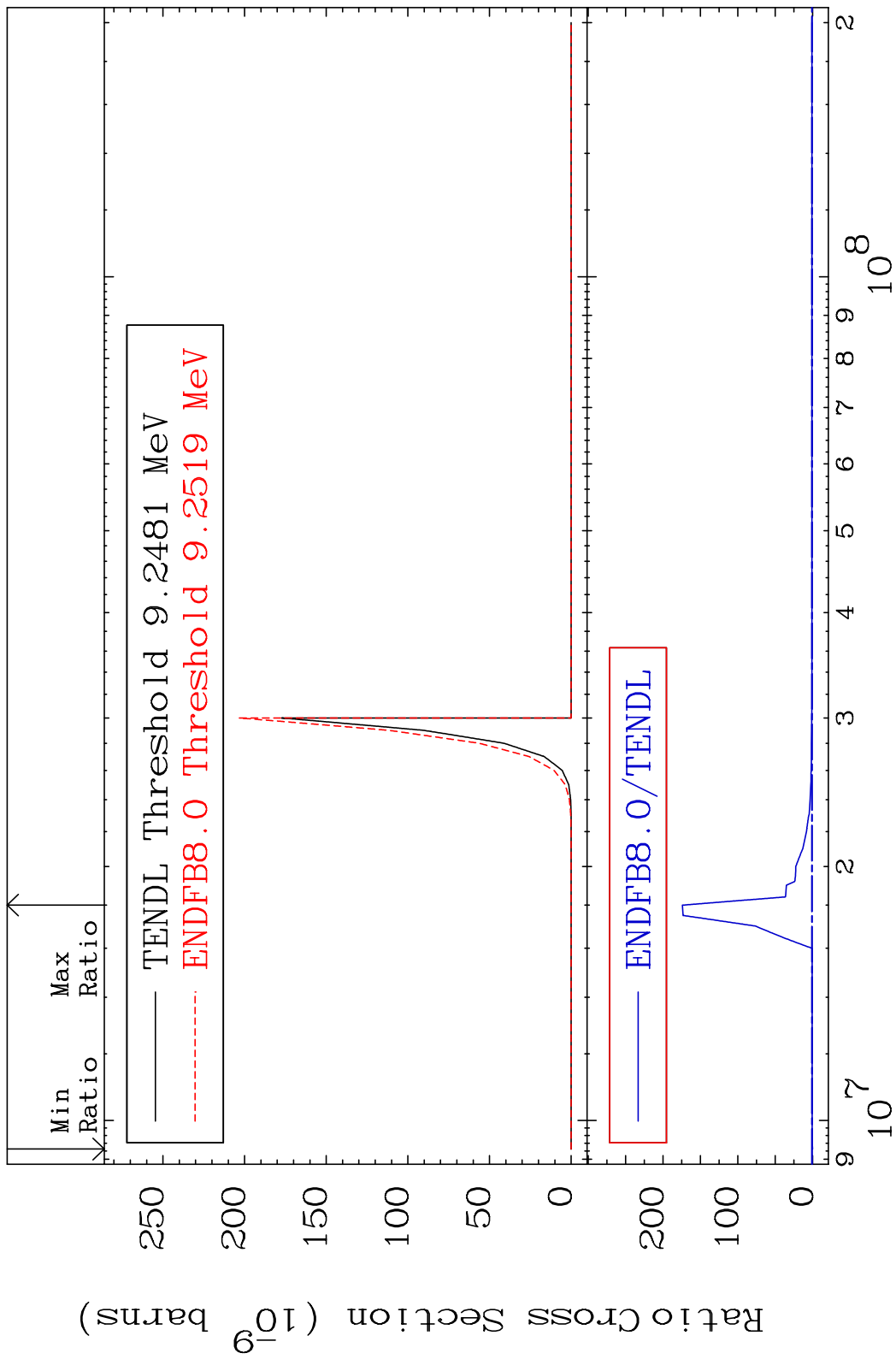


MAT 4834 (n, d) α :45-Rh-104g 48-Cd-109
 Radionuclide Production Cross Section 100.00 to 9999. %



93 Incident Energy (eV) 48-Cd-109

MAT 4834 (n, d) α : 45-Rh-104m3 48-Cd-109
 Radionuclide Production Cross Section 1800.0 dth 9999. %



94 Incident Energy (eV) 48-Cd-109