

Program Complot
(Version 2021-1)

by

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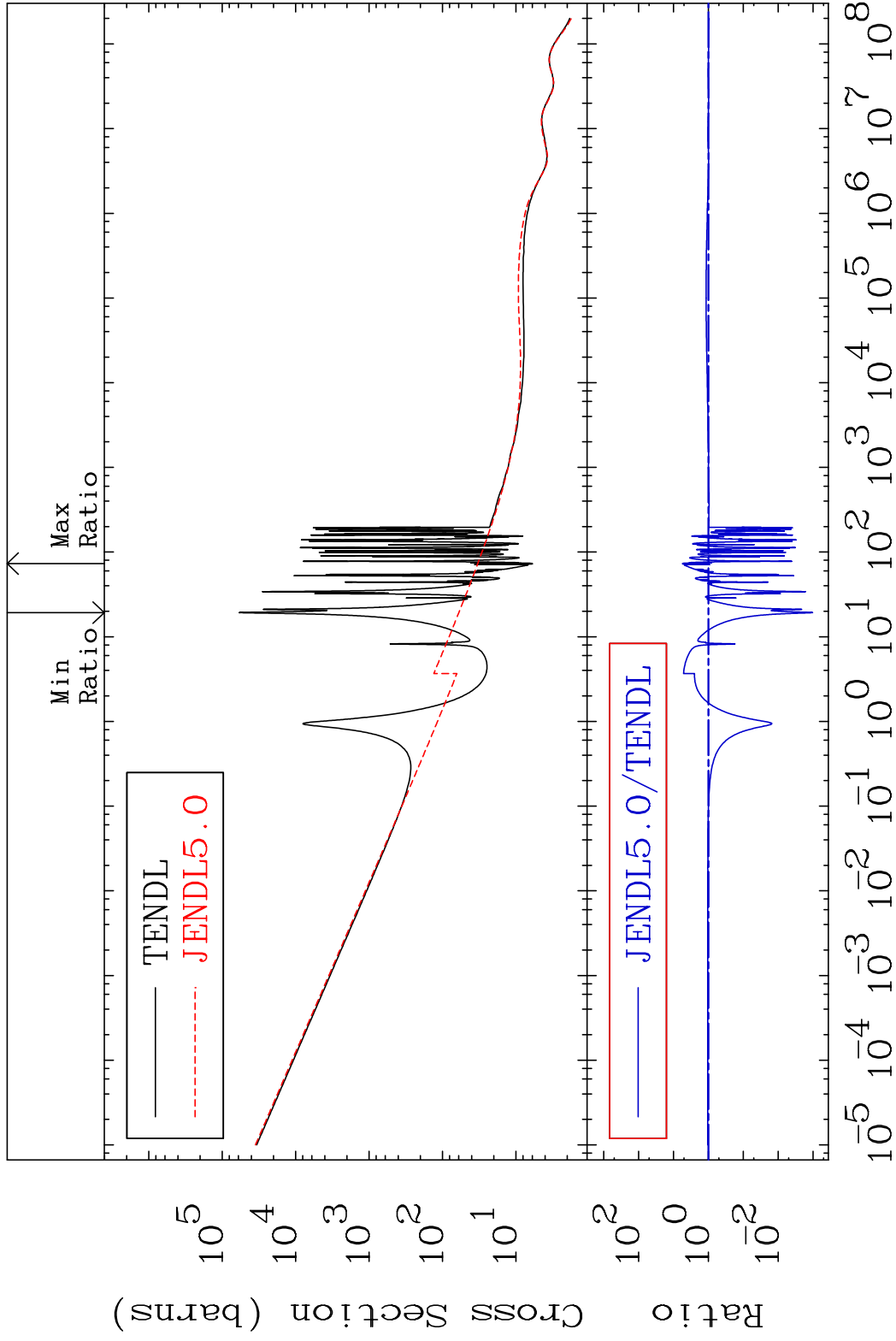
Press Mouse Button to Start

MAT 4834

Total

48-Cd-109

Cross Section -99.90 To 456.6 %



1

Incident Energy (eV)

48-Cd-109

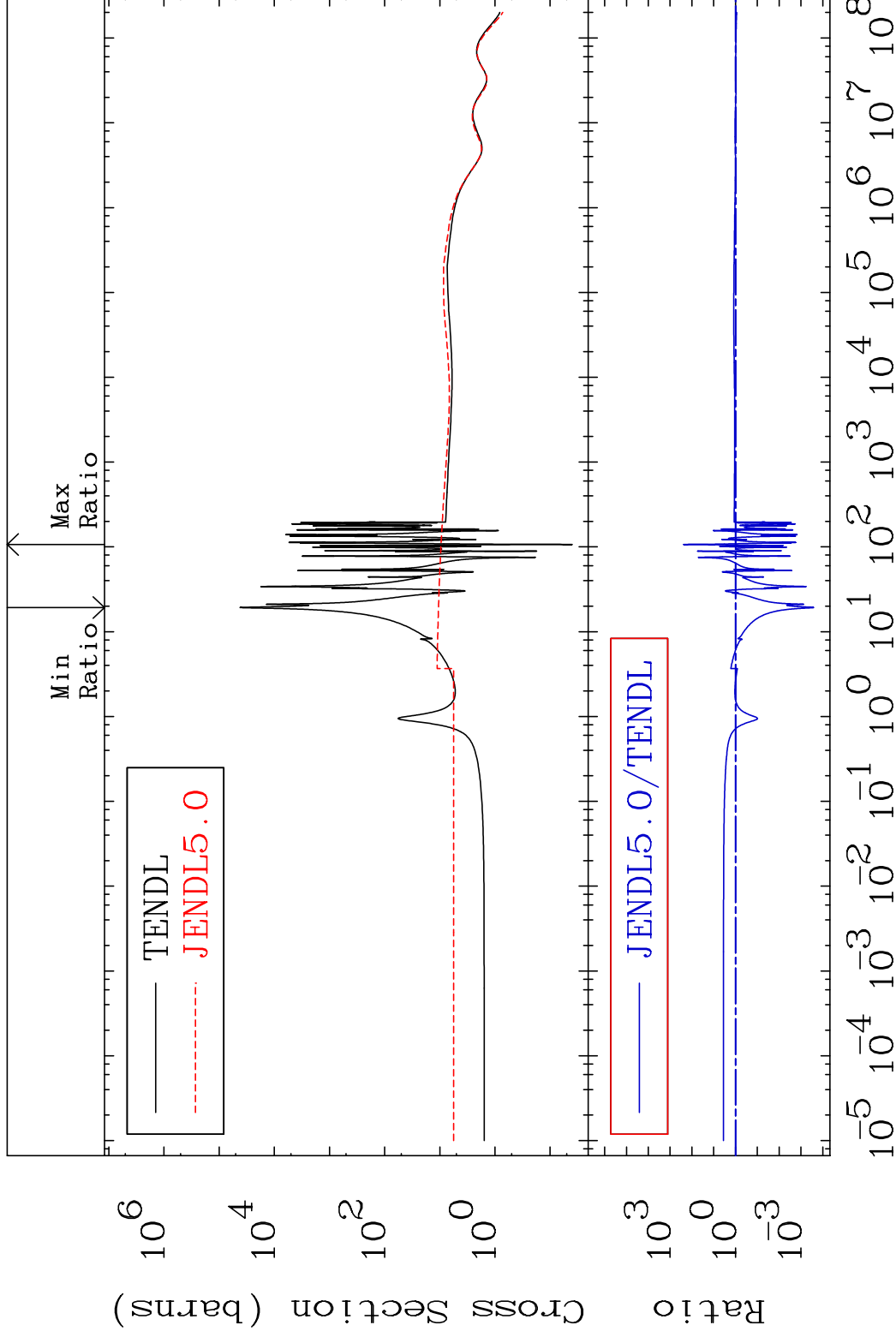
MAT 4834

Elastic

48-Cd-109

Cross Section

-99.97 To 9999. %

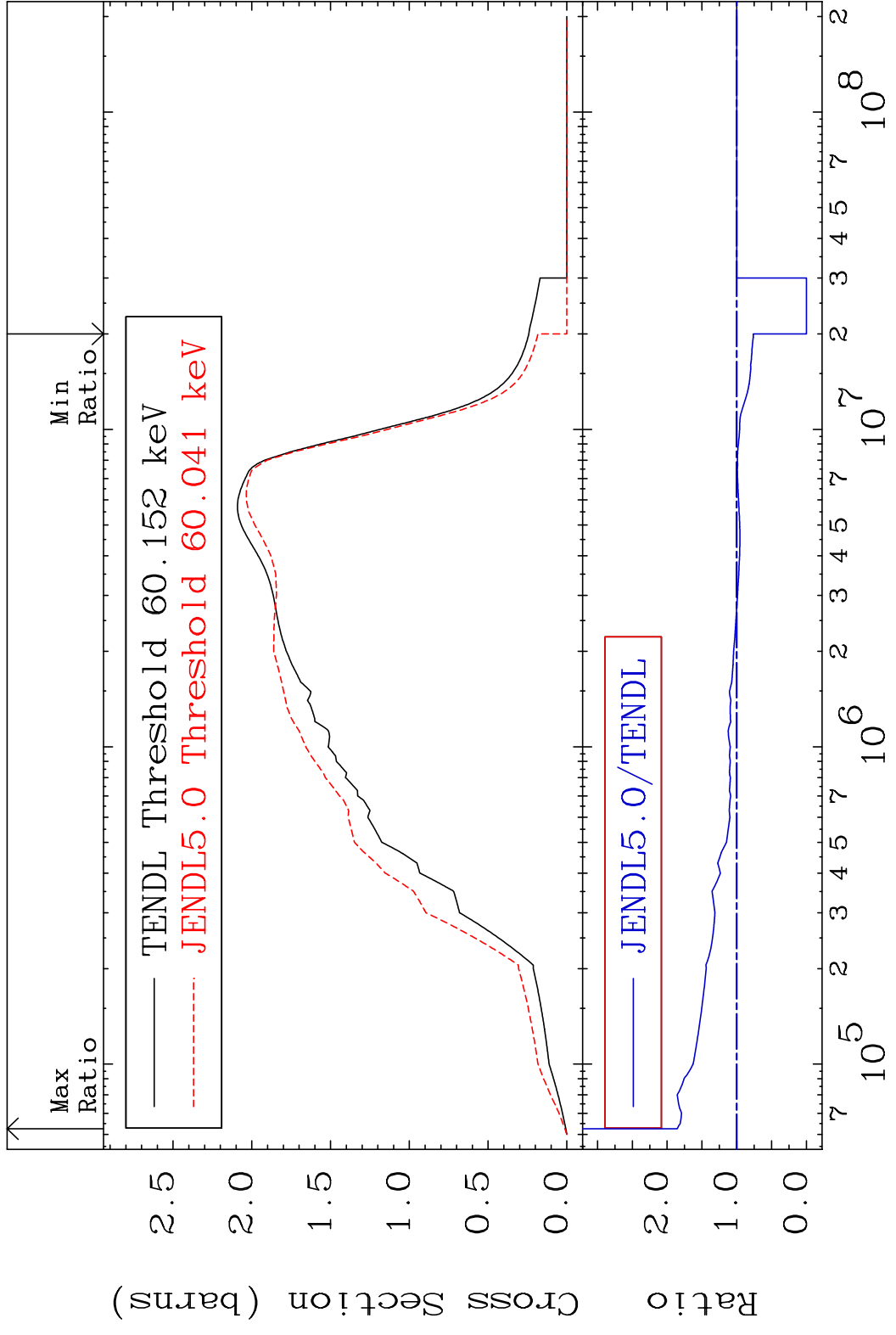


2

Incident Energy (eV)

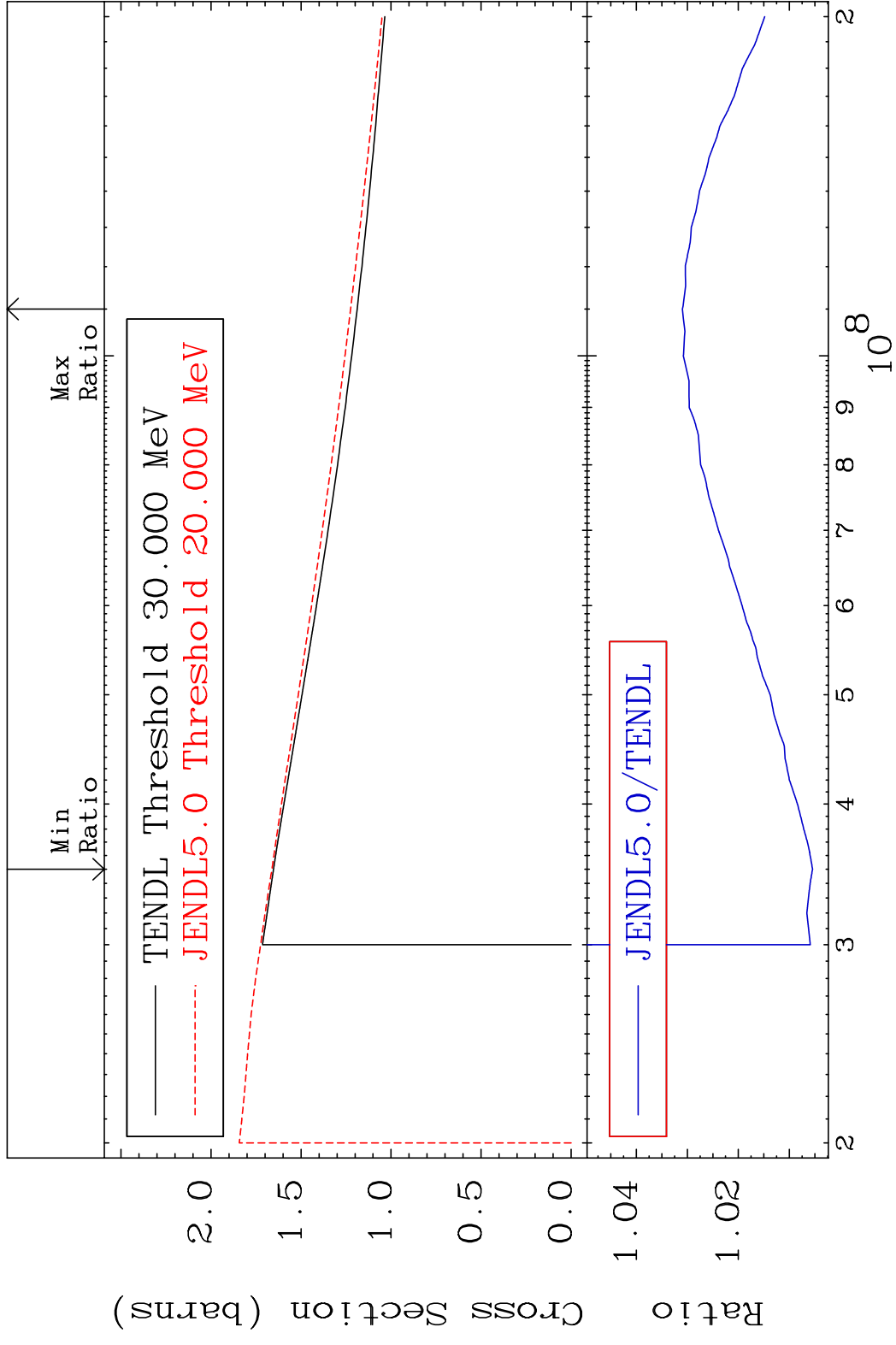
48-Cd-109

MAT 4834 Inelastic 48-Cd-109
 Cross Section -100.0 To 85.57 %



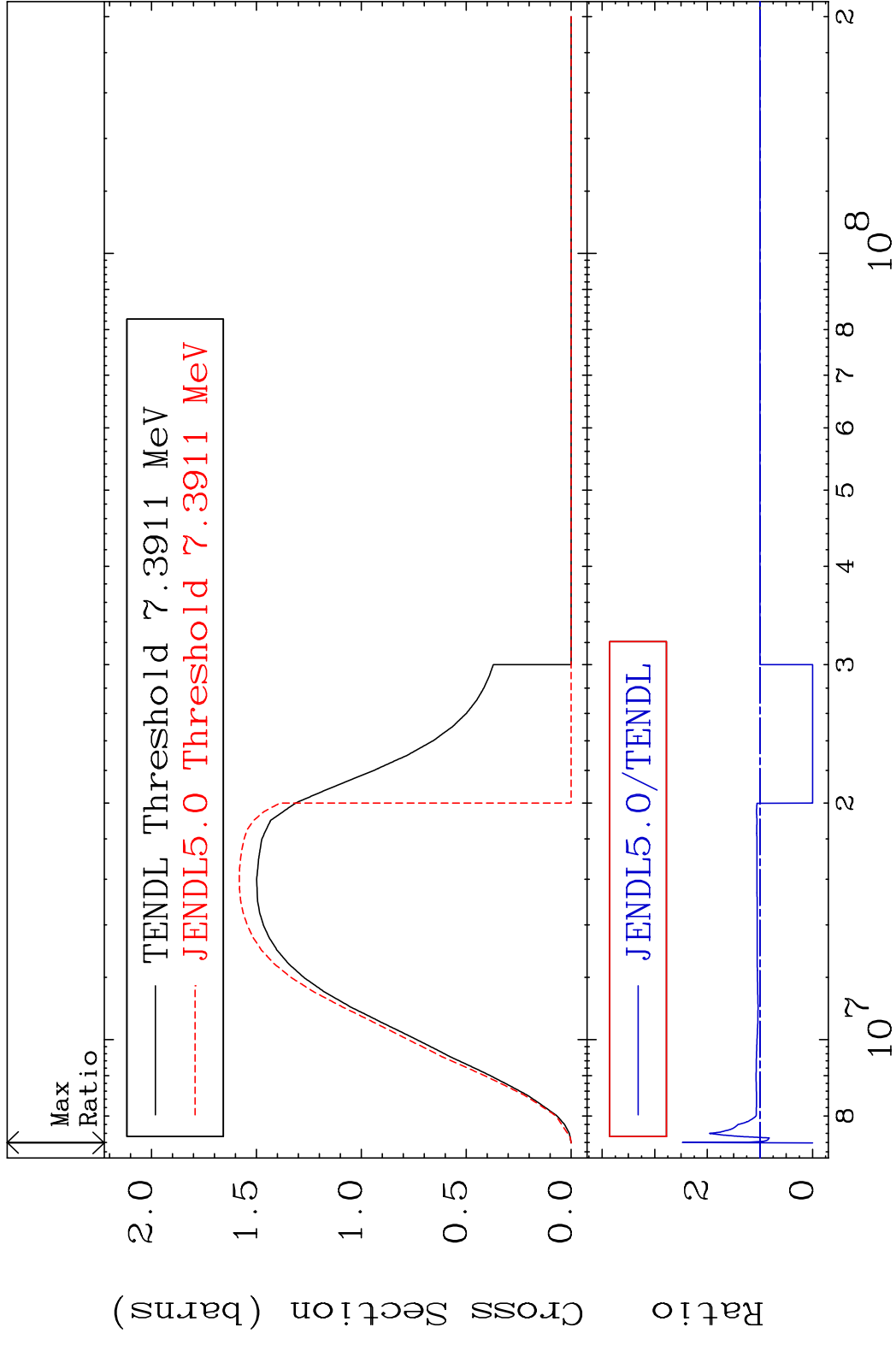
3 Incident Energy (eV) 48-Cd-109

MAT 4834 (n, remainder) 48-Cd-109
 Cross Section 0.545 To 3.098 %



4 48-Cd-109

MAT 4834 (n,2n) 48-Cd-109
 Cross Section -100.0 To 147.5 %



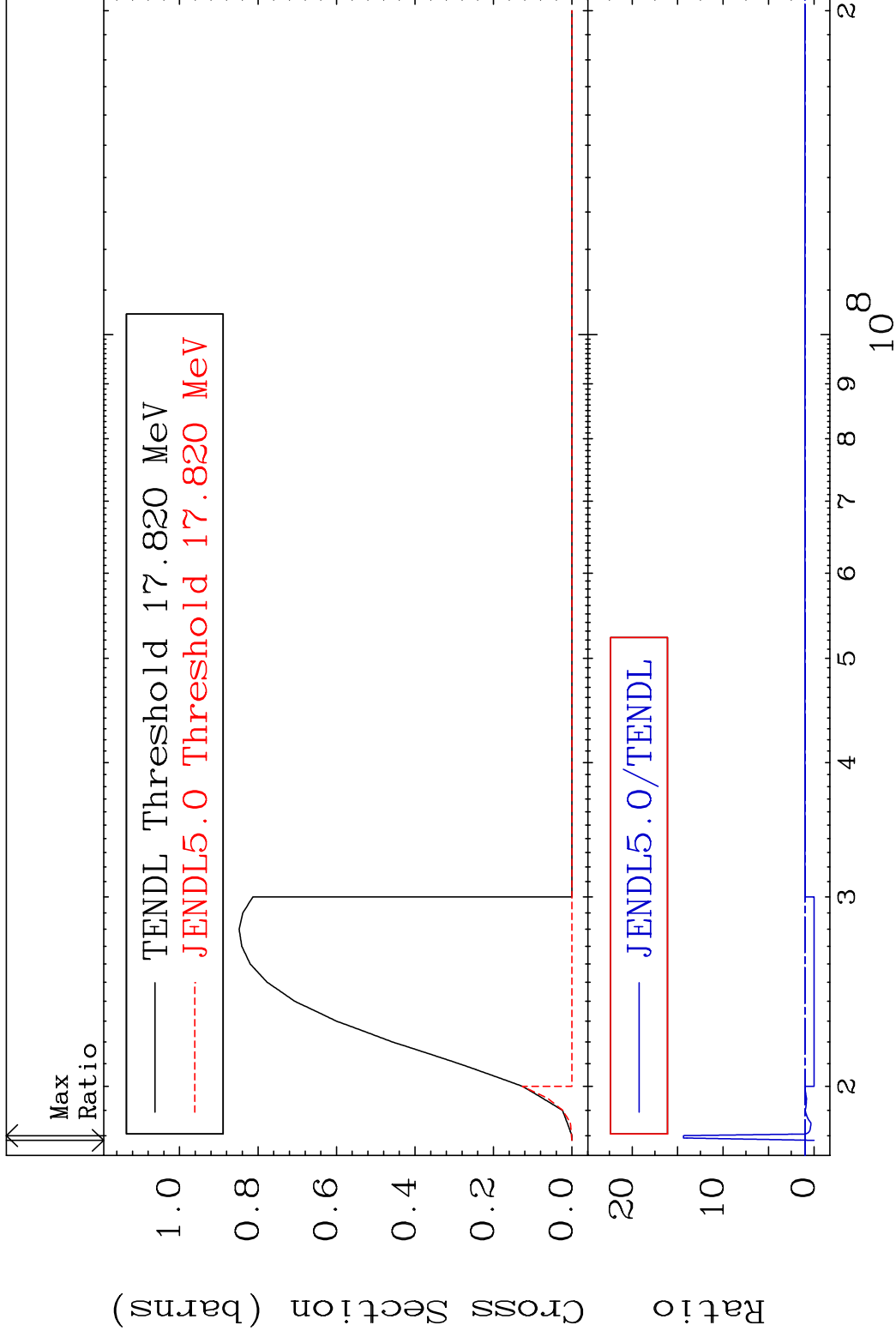
5 8 10⁷ 2 10⁸ 48-Cd-109

MAT 4834

(n,3n)

48-Cd-109

Cross Section -100.0 To 1336. %

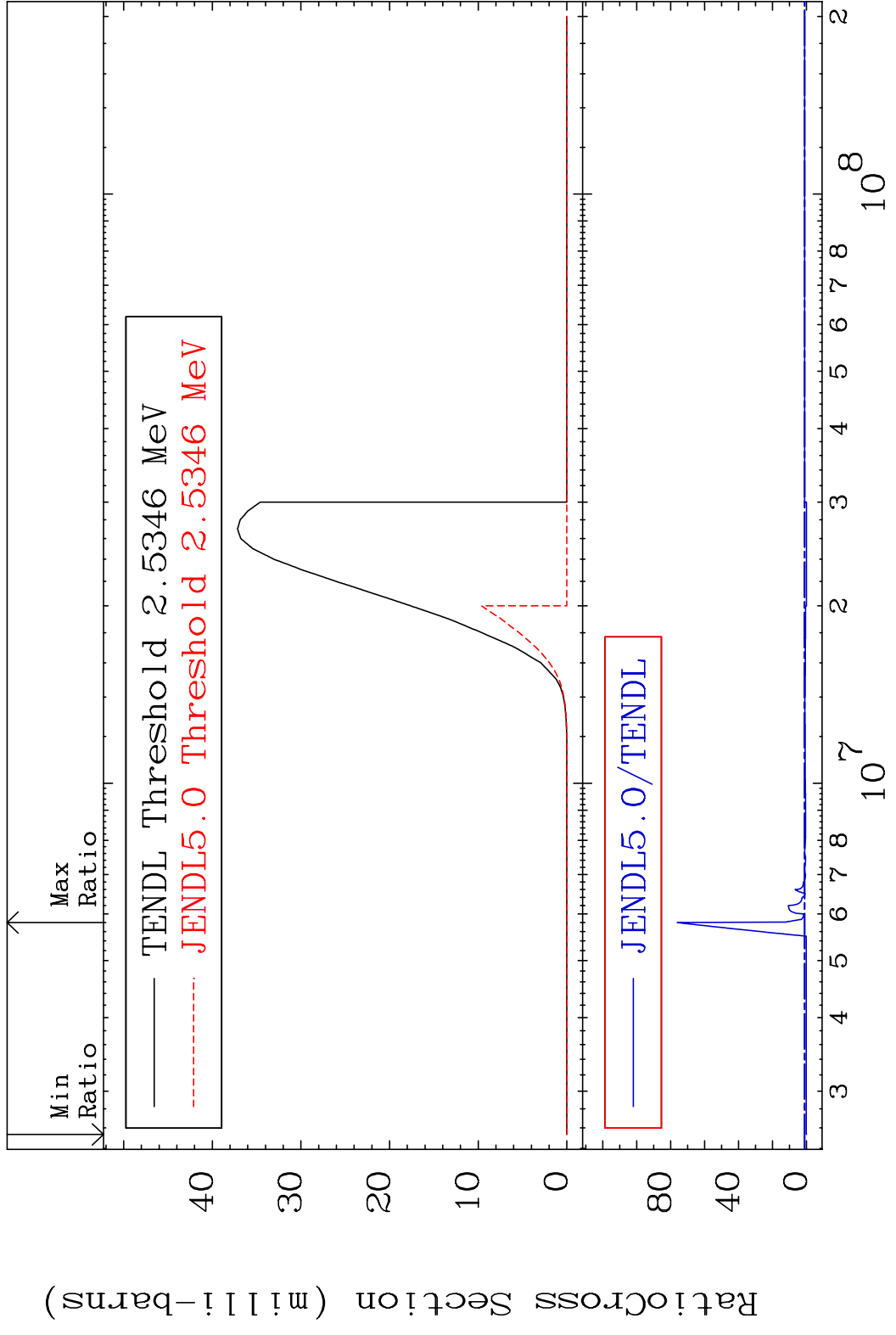


6

Incident Energy (eV)

48-Cd-109

MAT 4834 (n, n') α 48-Cd-109
 Cross Section -100.0 To 7512. %

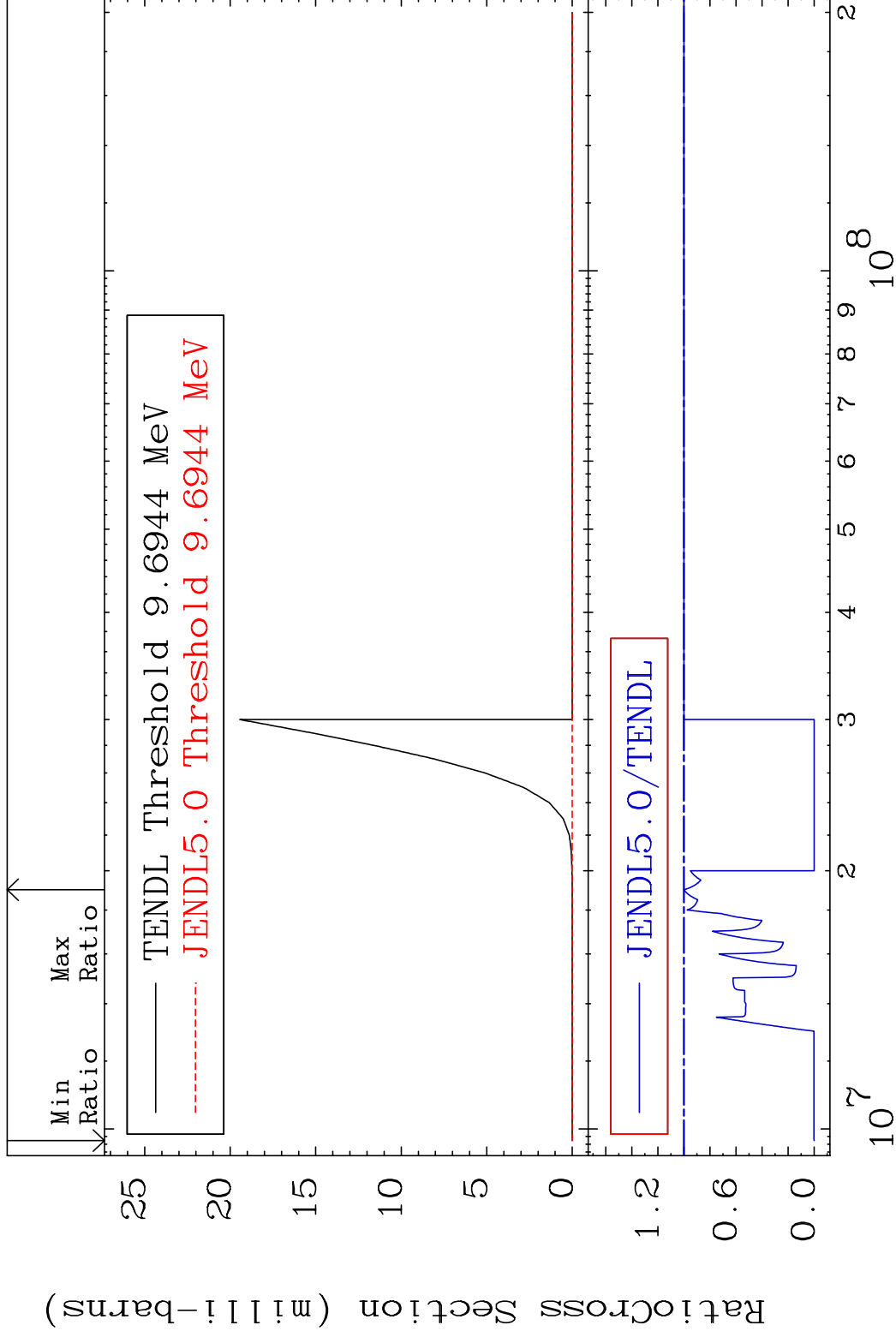


MAT 4834

(n,2n) α

48-Cd-109

Cross Section -100.0 To 0.241 %



8

Incident Energy (eV)

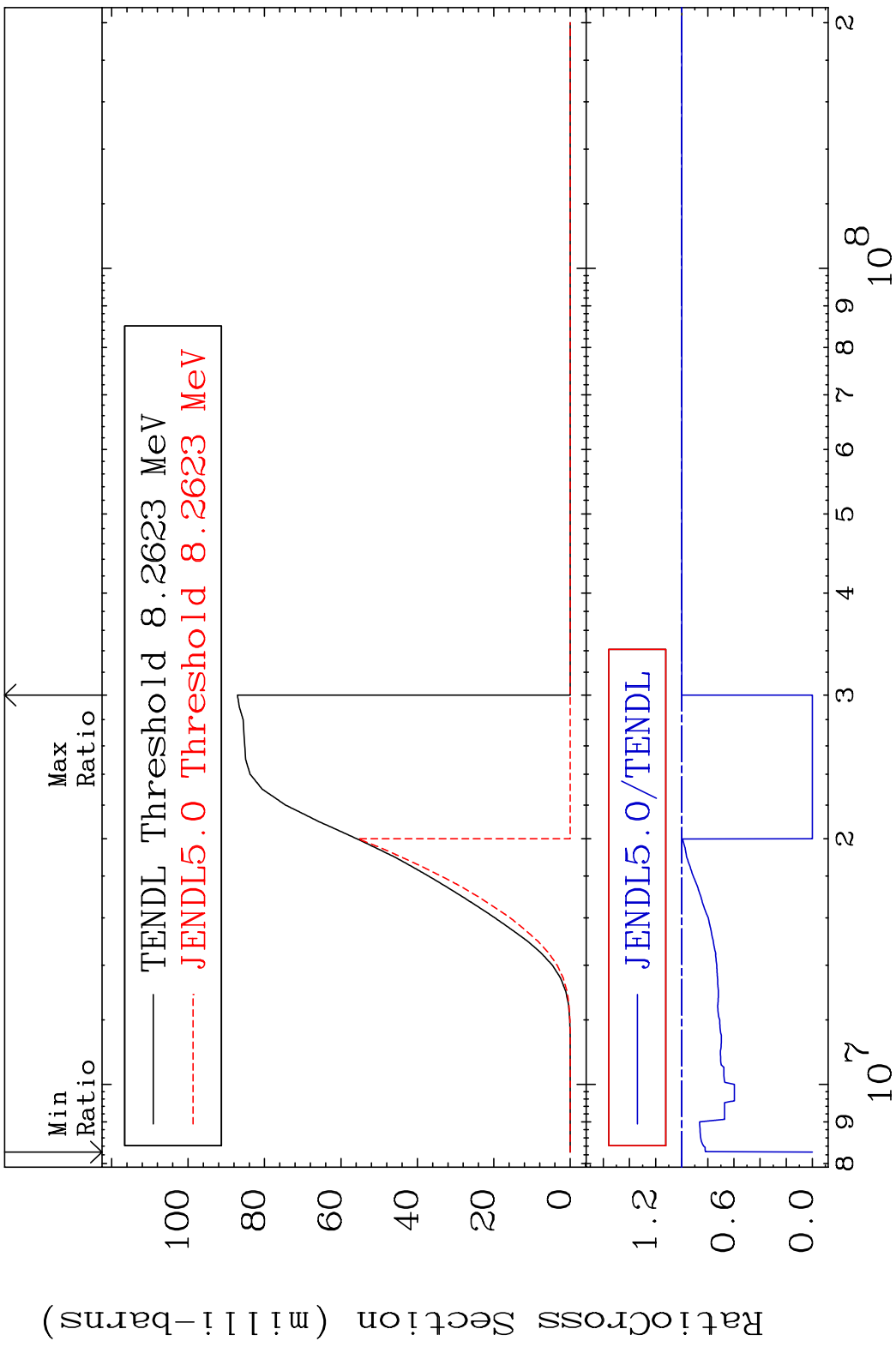
48-Cd-109

MAT 4834

(n, n') p

48-Cd-109

Cross Section -100.0 To 0.000 %

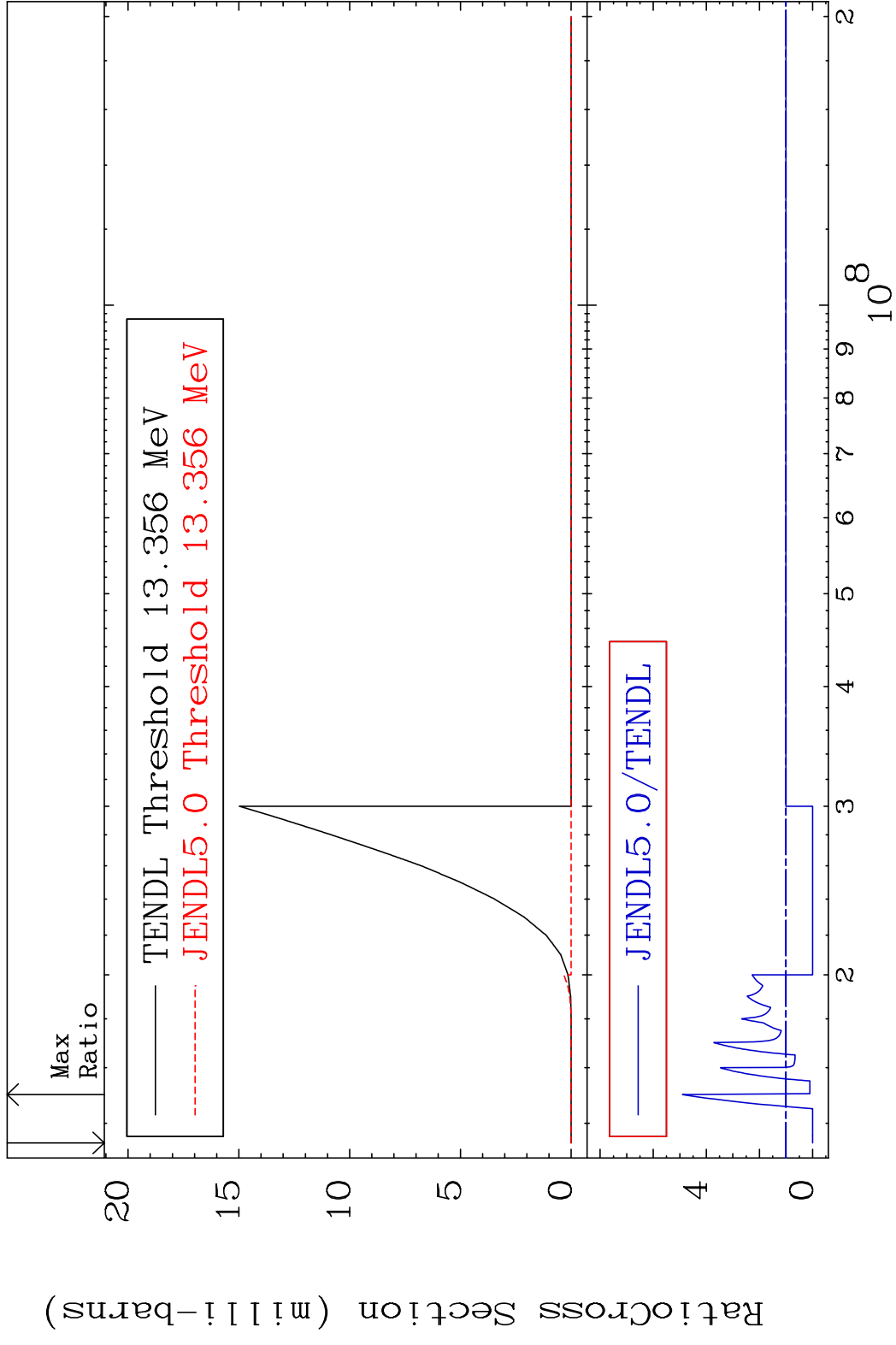


9

Incident Energy (eV)

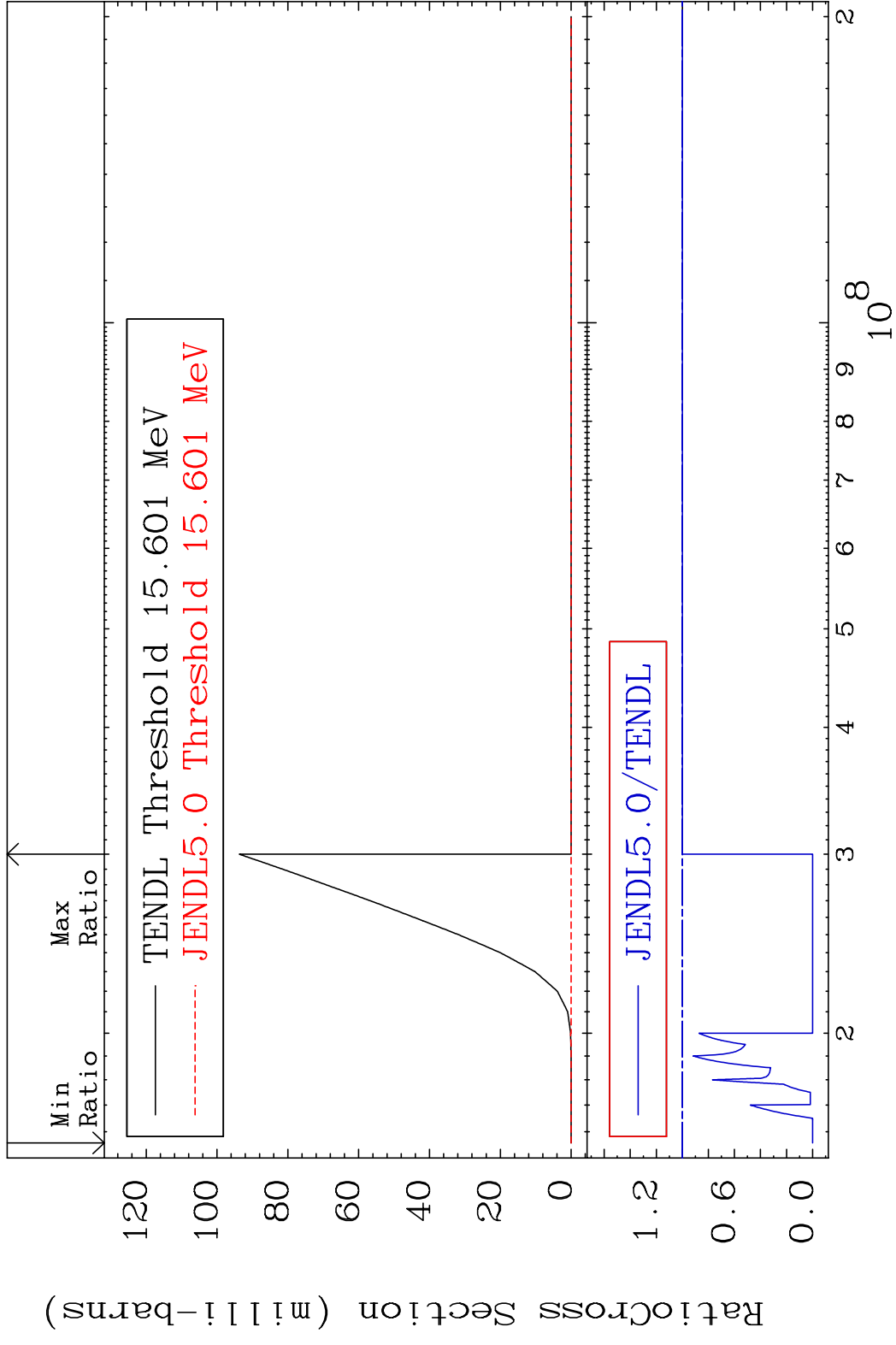
48-Cd-109

MAT 4834 (n, n') d 48-Cd-109
 Cross Section -100.0 To 390.4 %

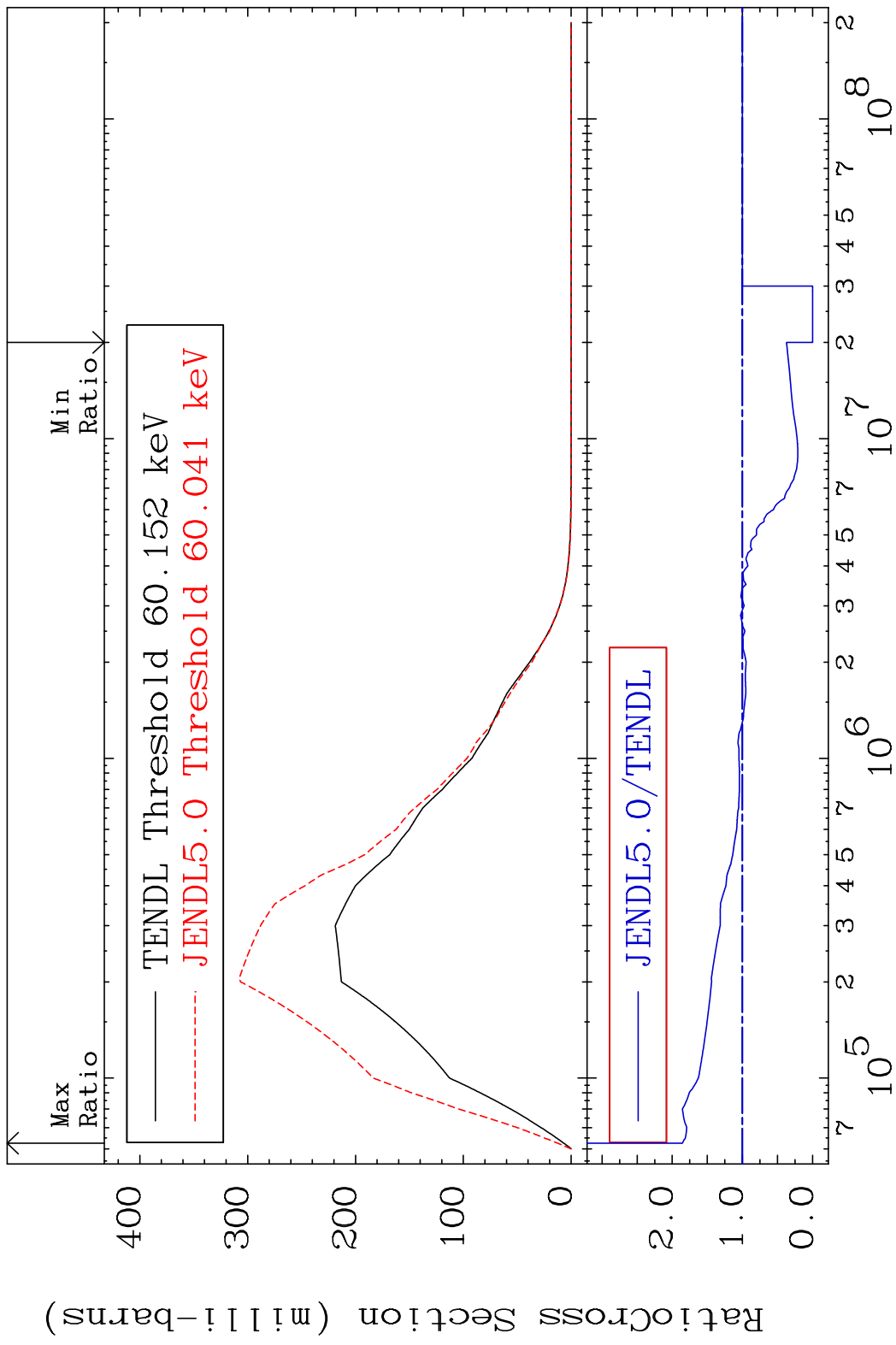


10 Incident Energy (eV) 48-Cd-109

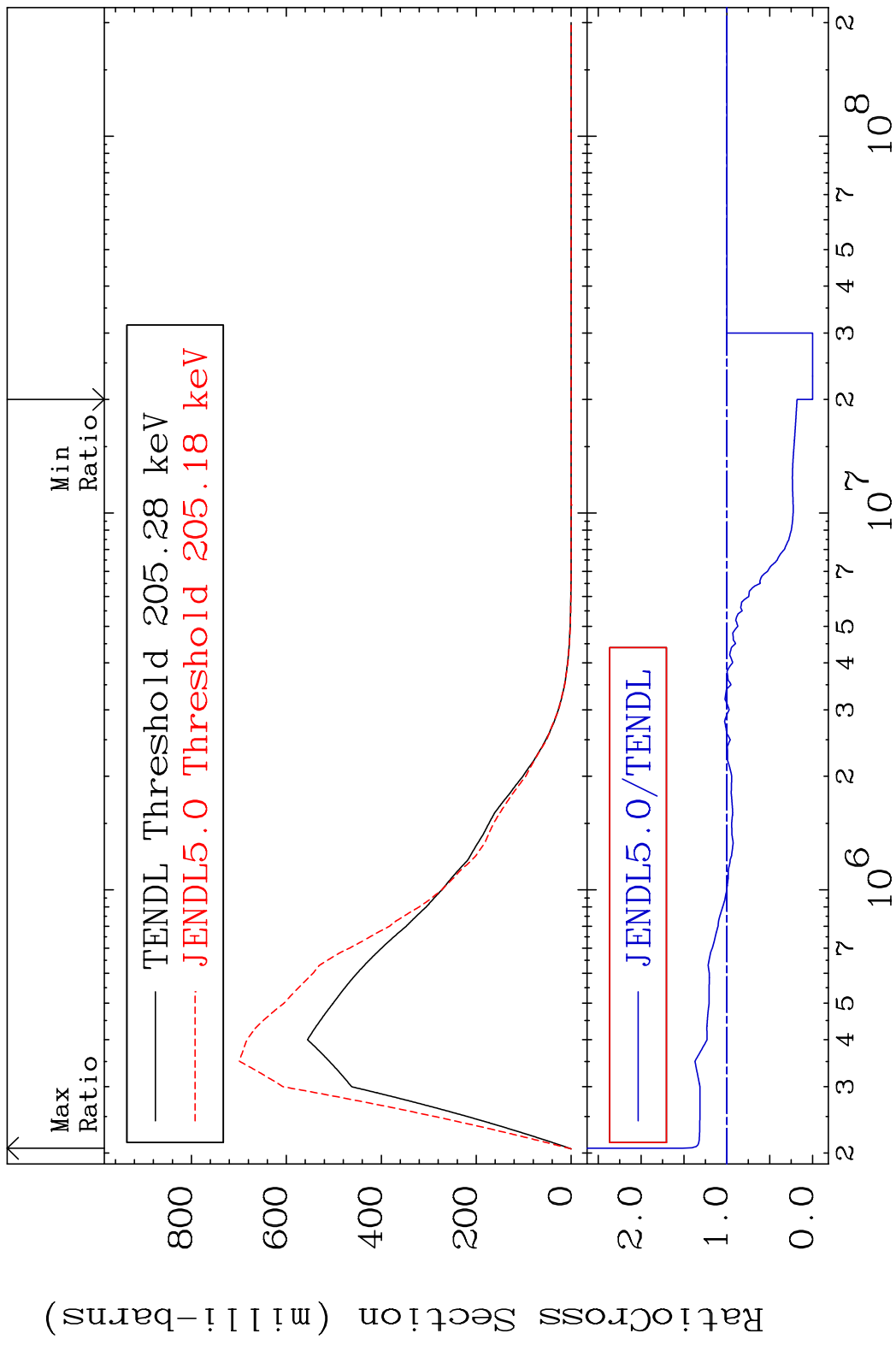
MAT 4834 (n,2n) p 48-Cd-109
 Cross Section -100.0 To 0.000 %



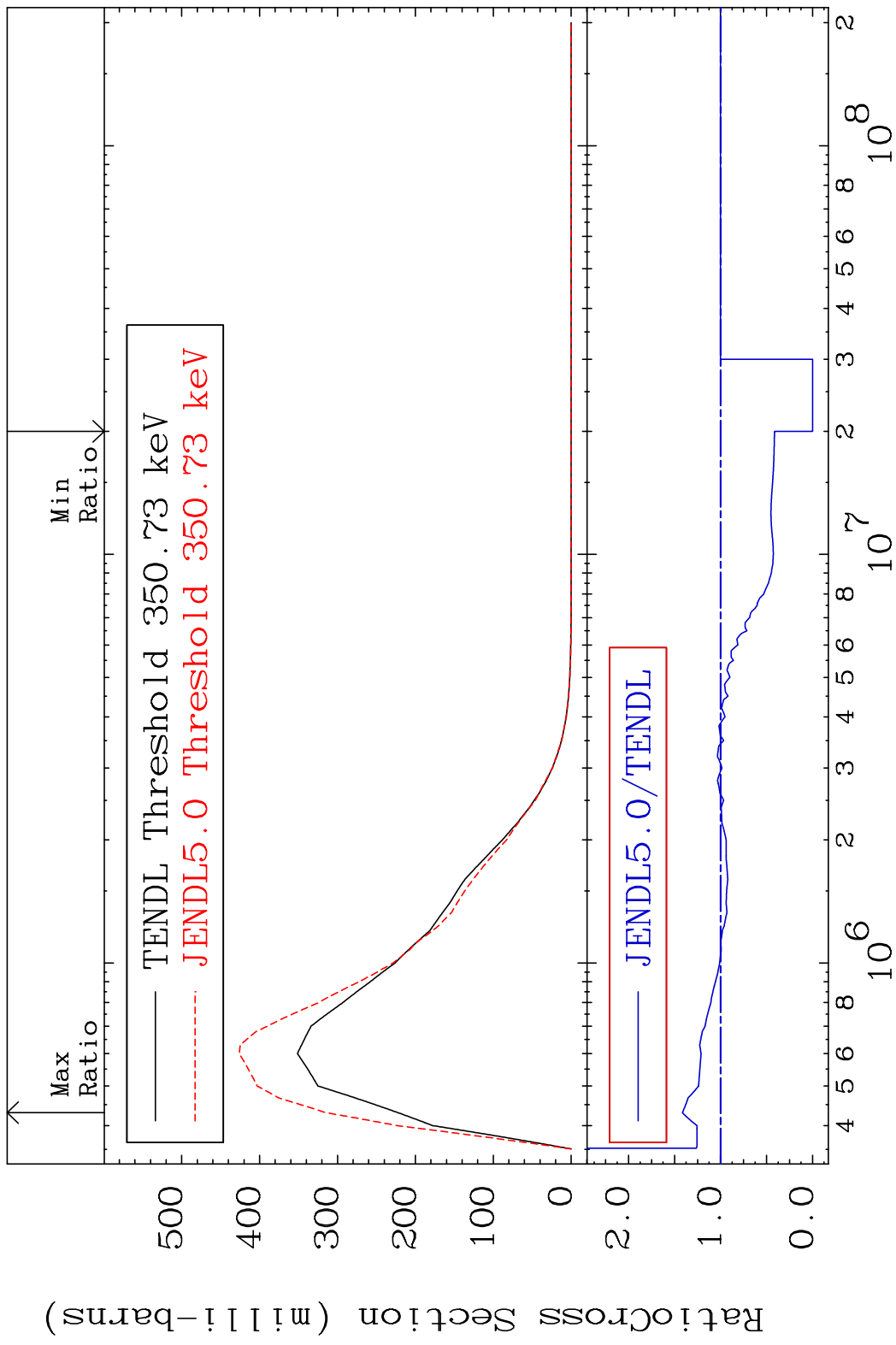
MAT 4834 MT= 51 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 85.57 %



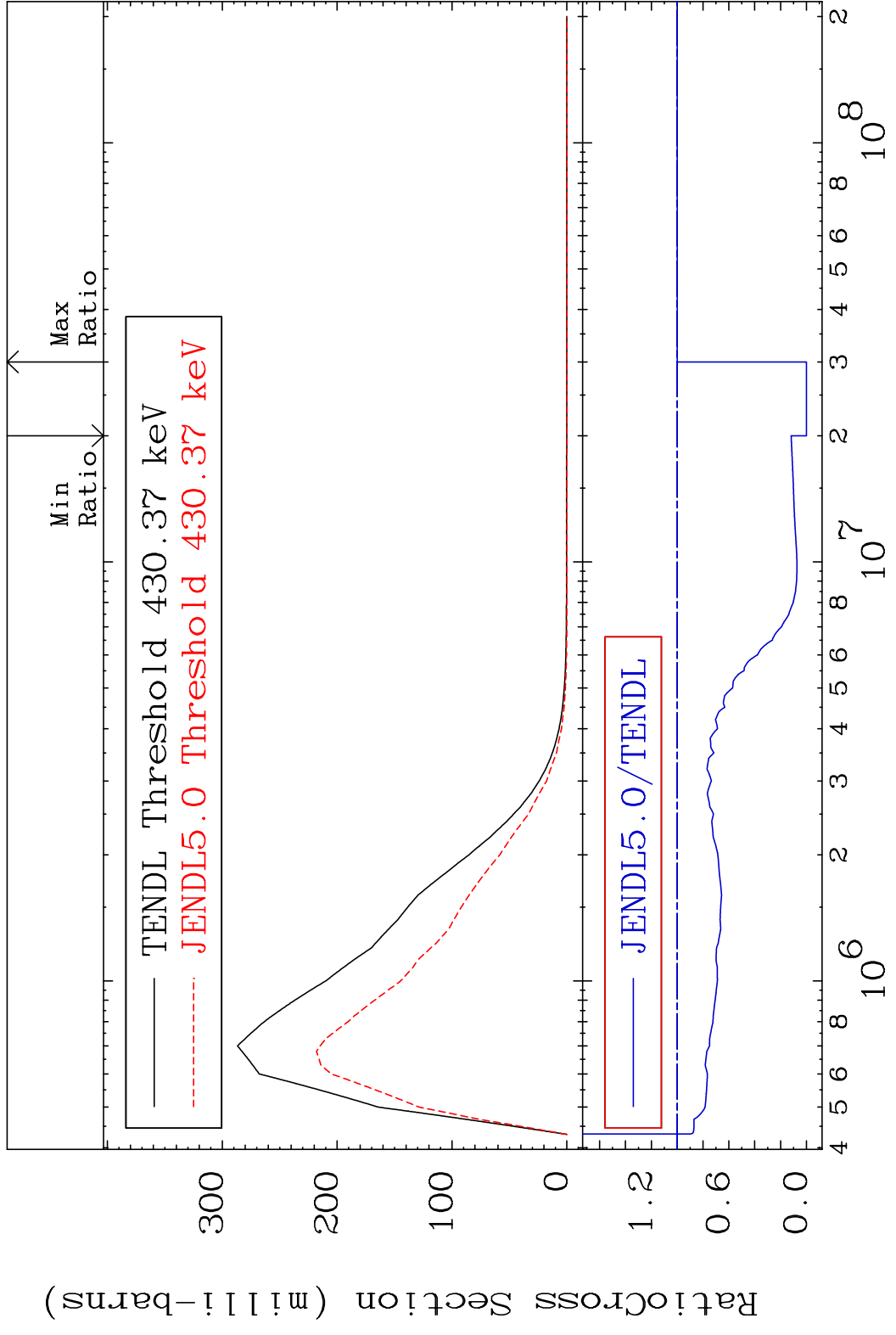
MAT 4834 MT= 52 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 51.82 %



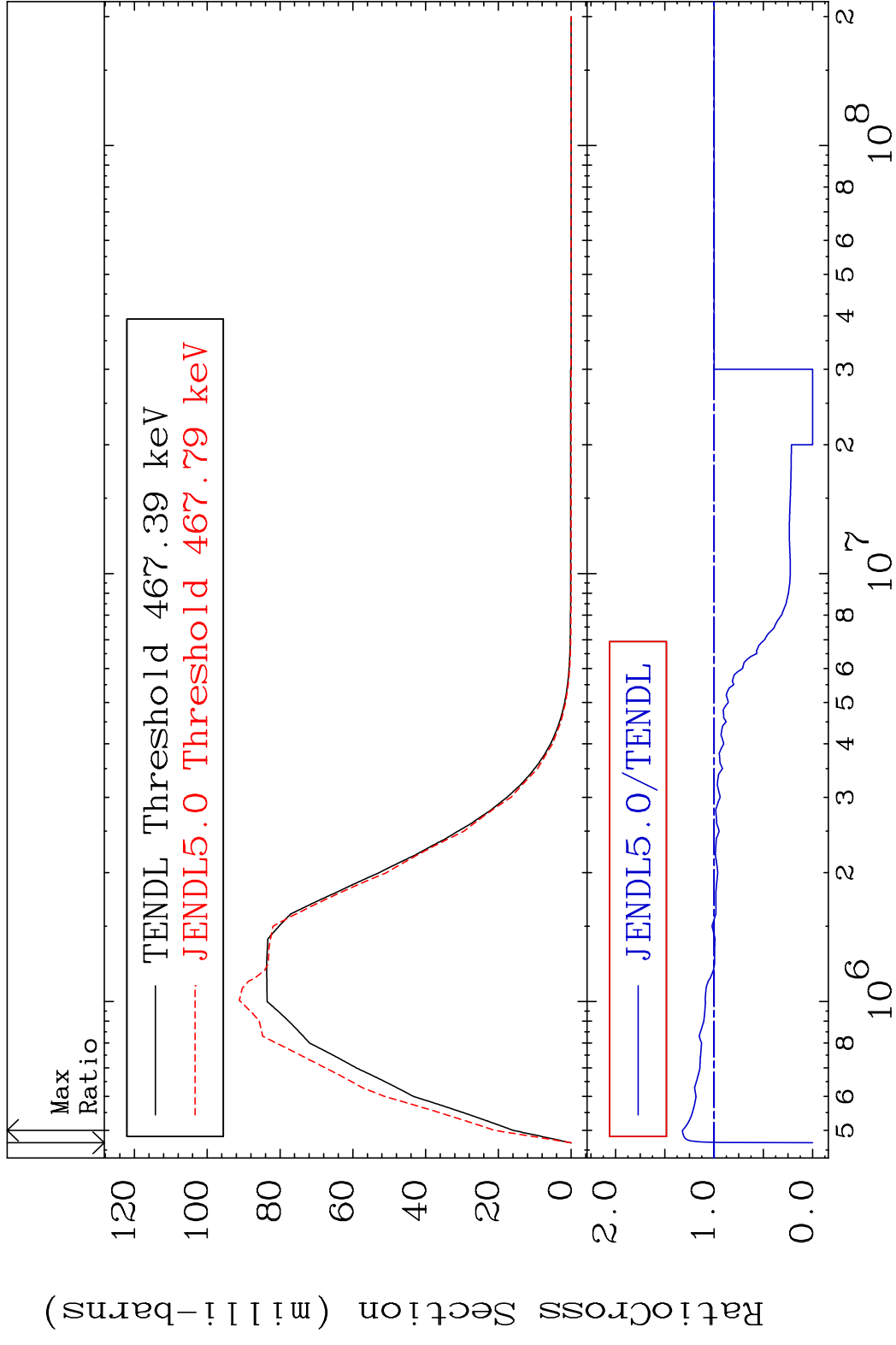
MAT 4834 MT= 53 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 41.57 %



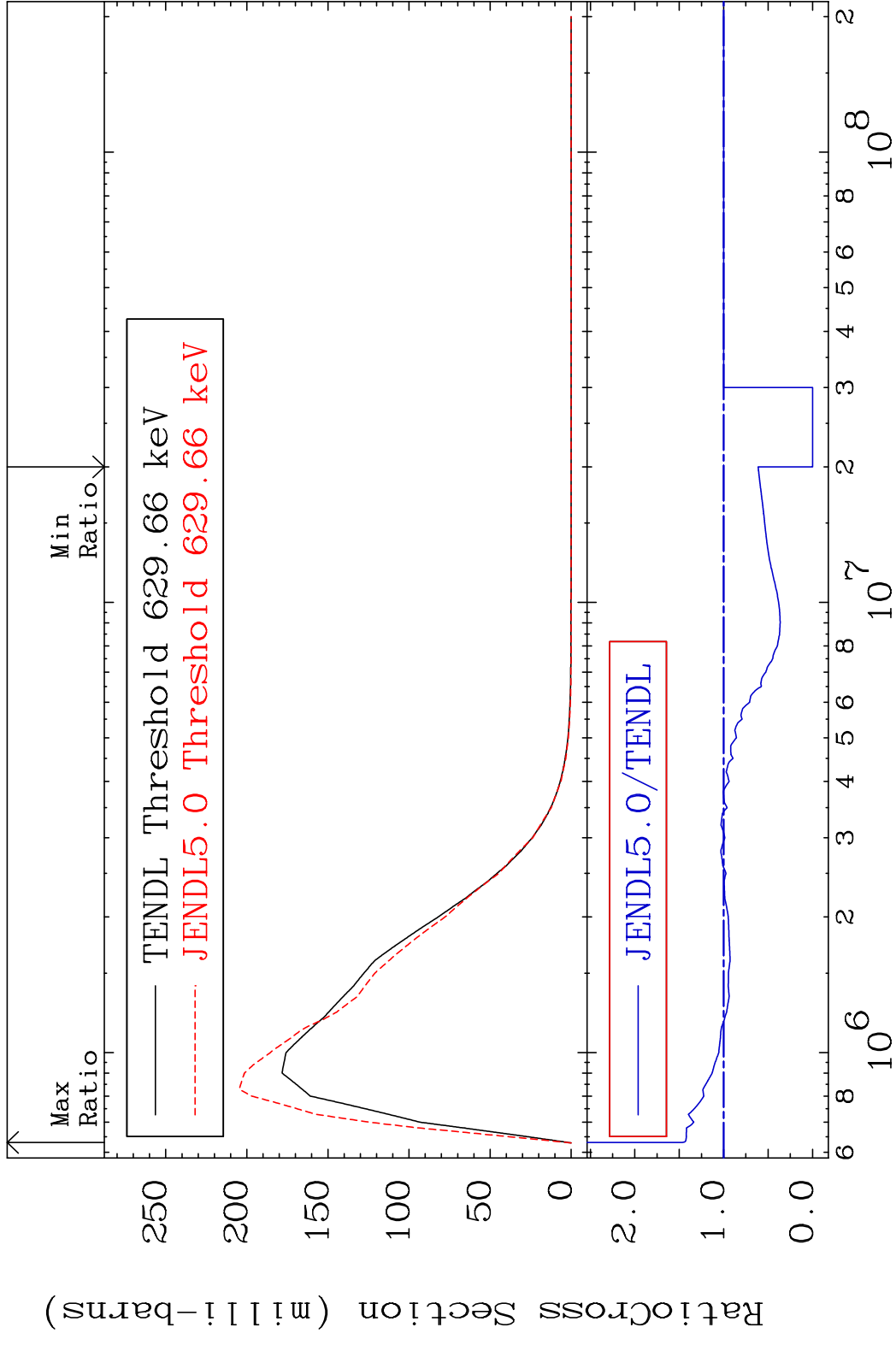
MAT 4834 MT= 54 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 0.000 %



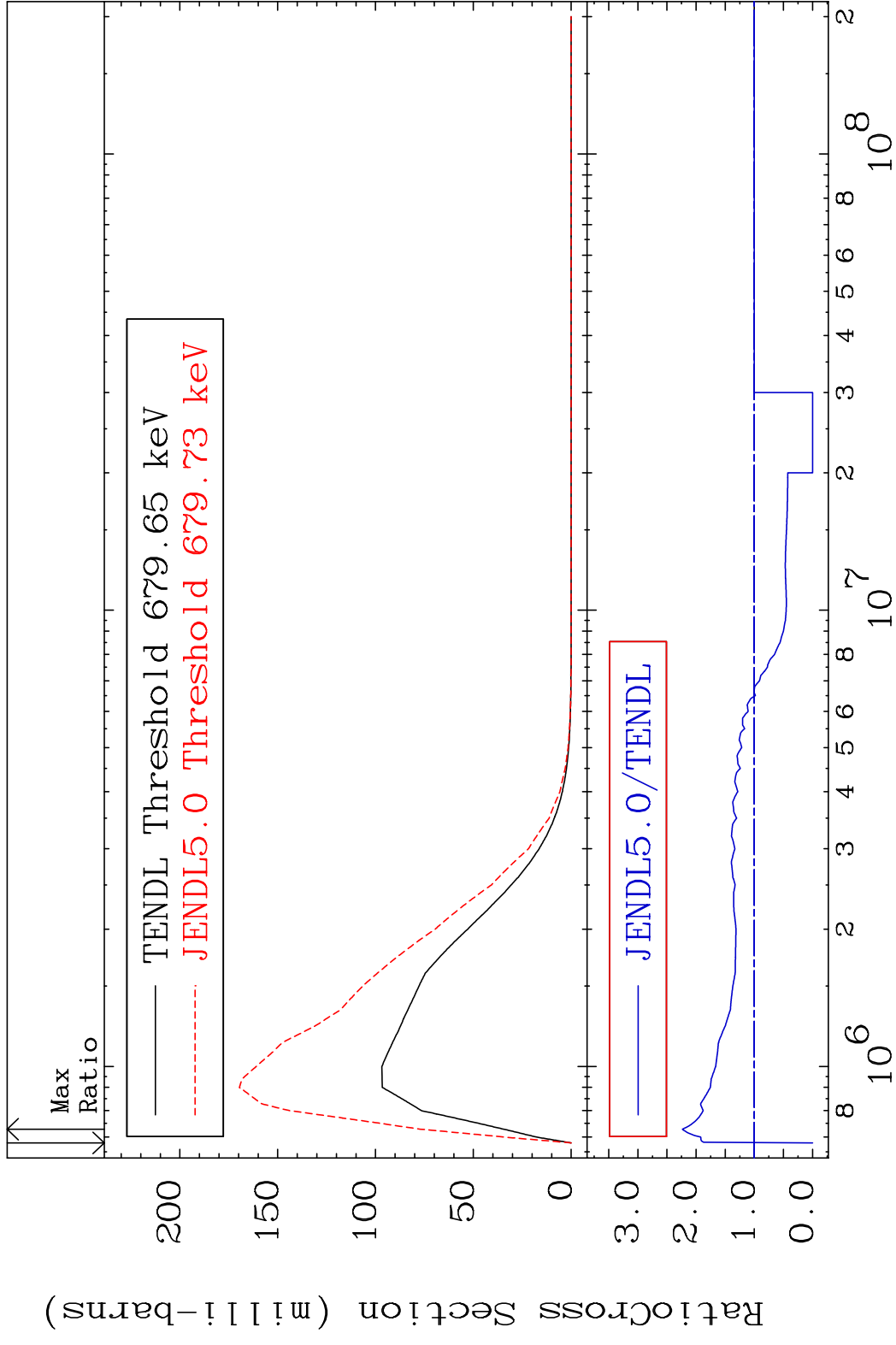
MAT 4834 MT= 55 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 32.19 %



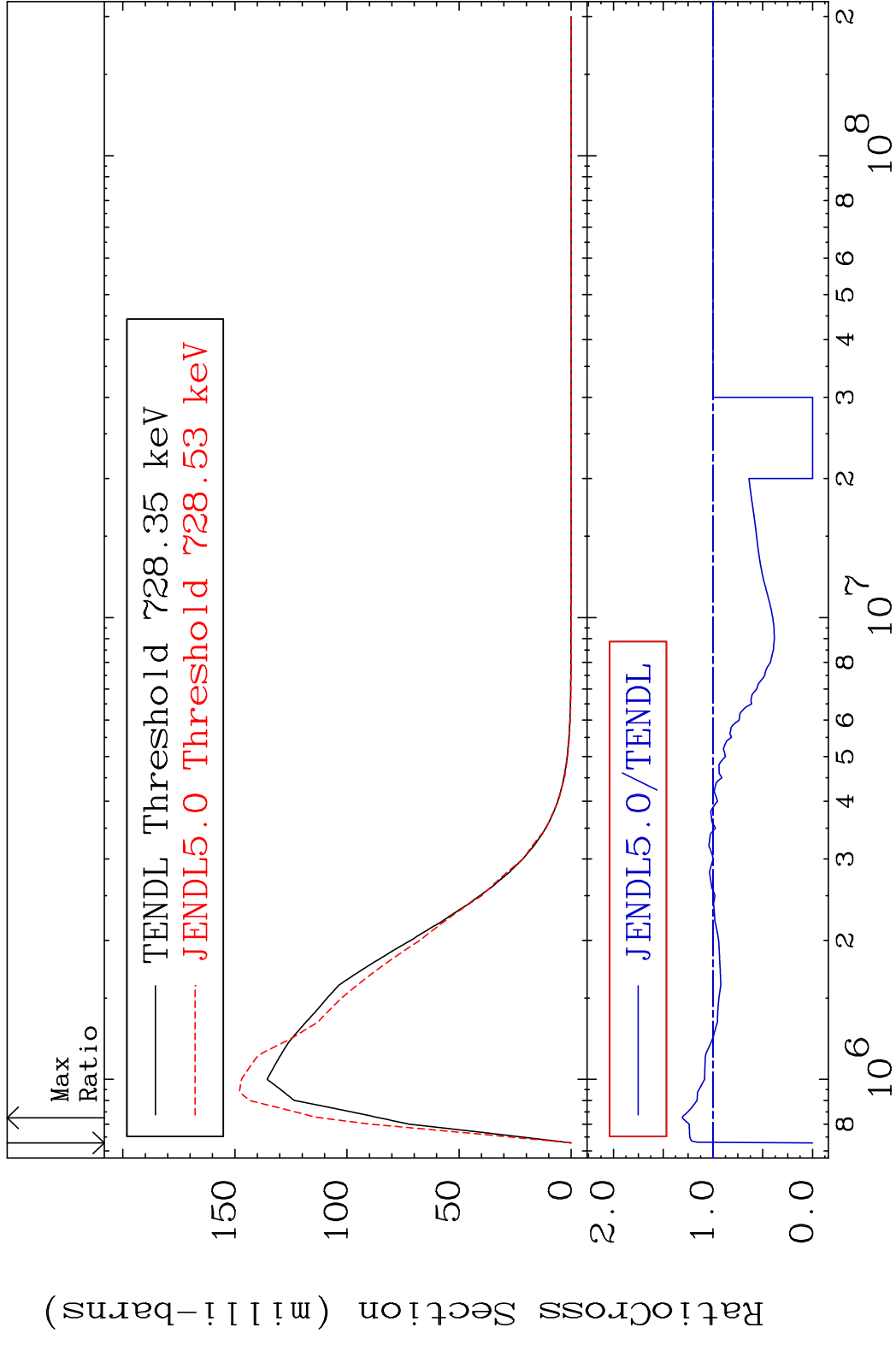
MAT 4834 MT= 56 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 46.50 %



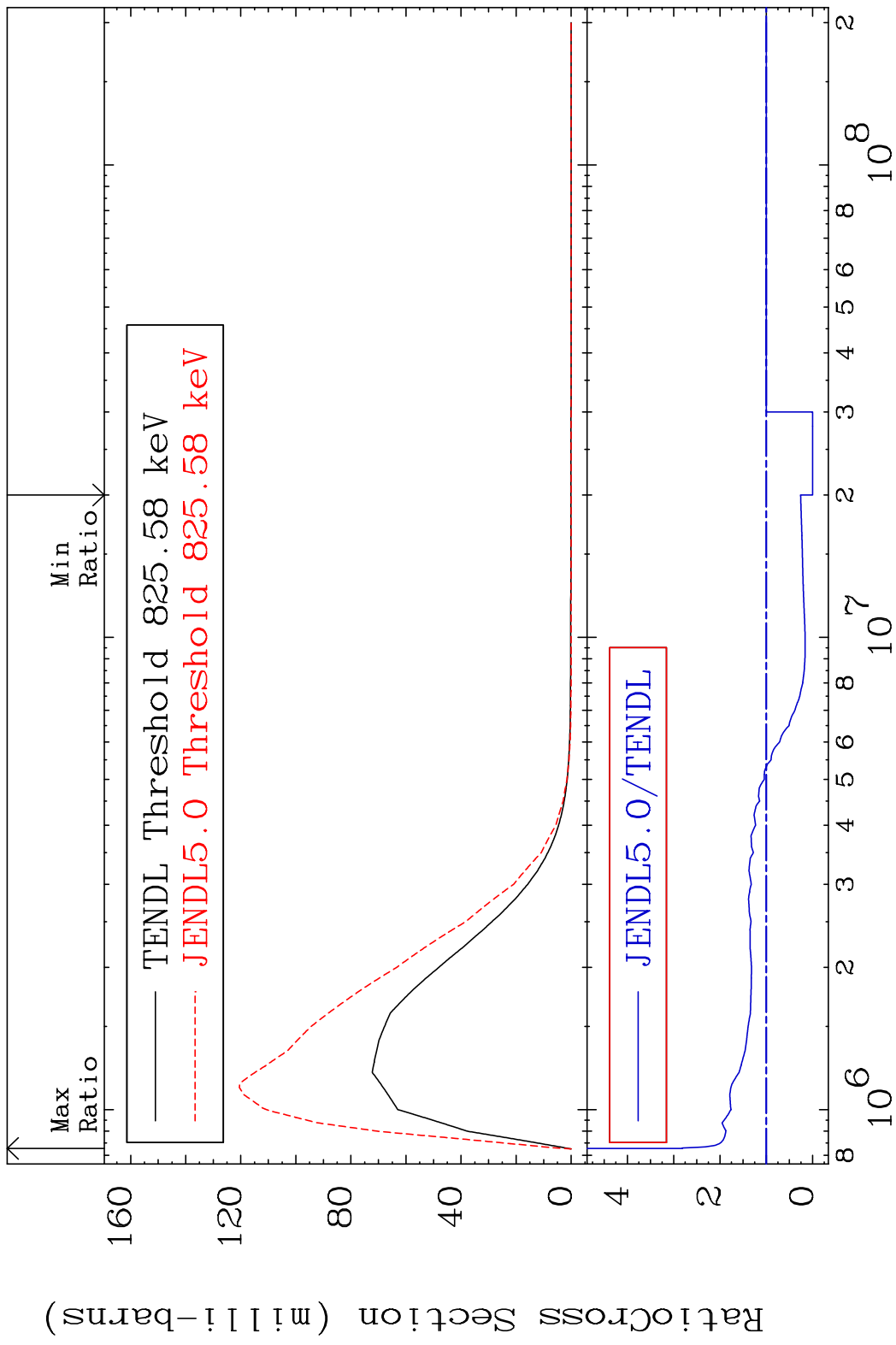
MAT 4834 MT= 57 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 123.6 %



MAT 4834 MT= 58 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 30.76 %

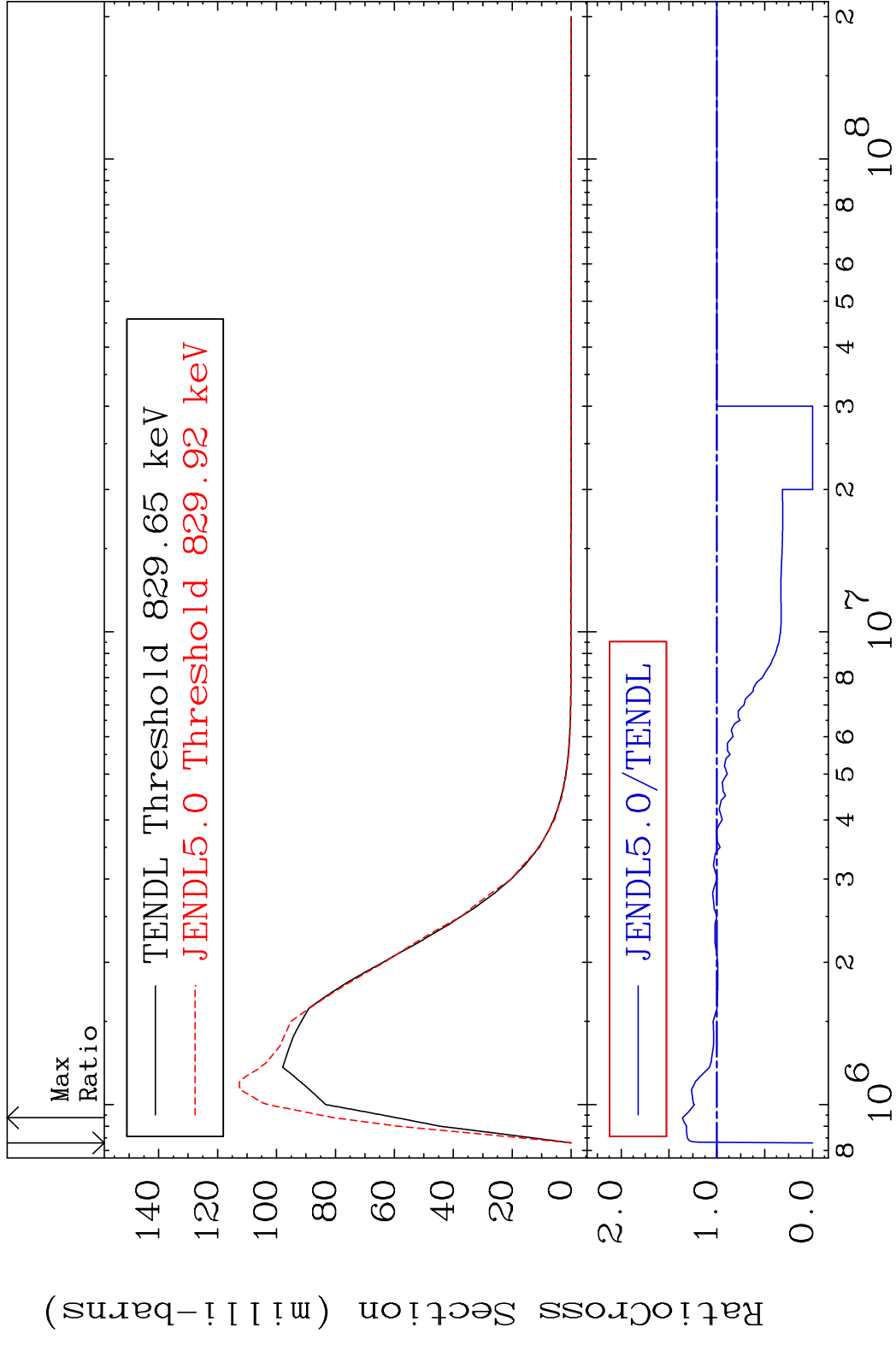


MAT 4834 MT= 59 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 181.2 %

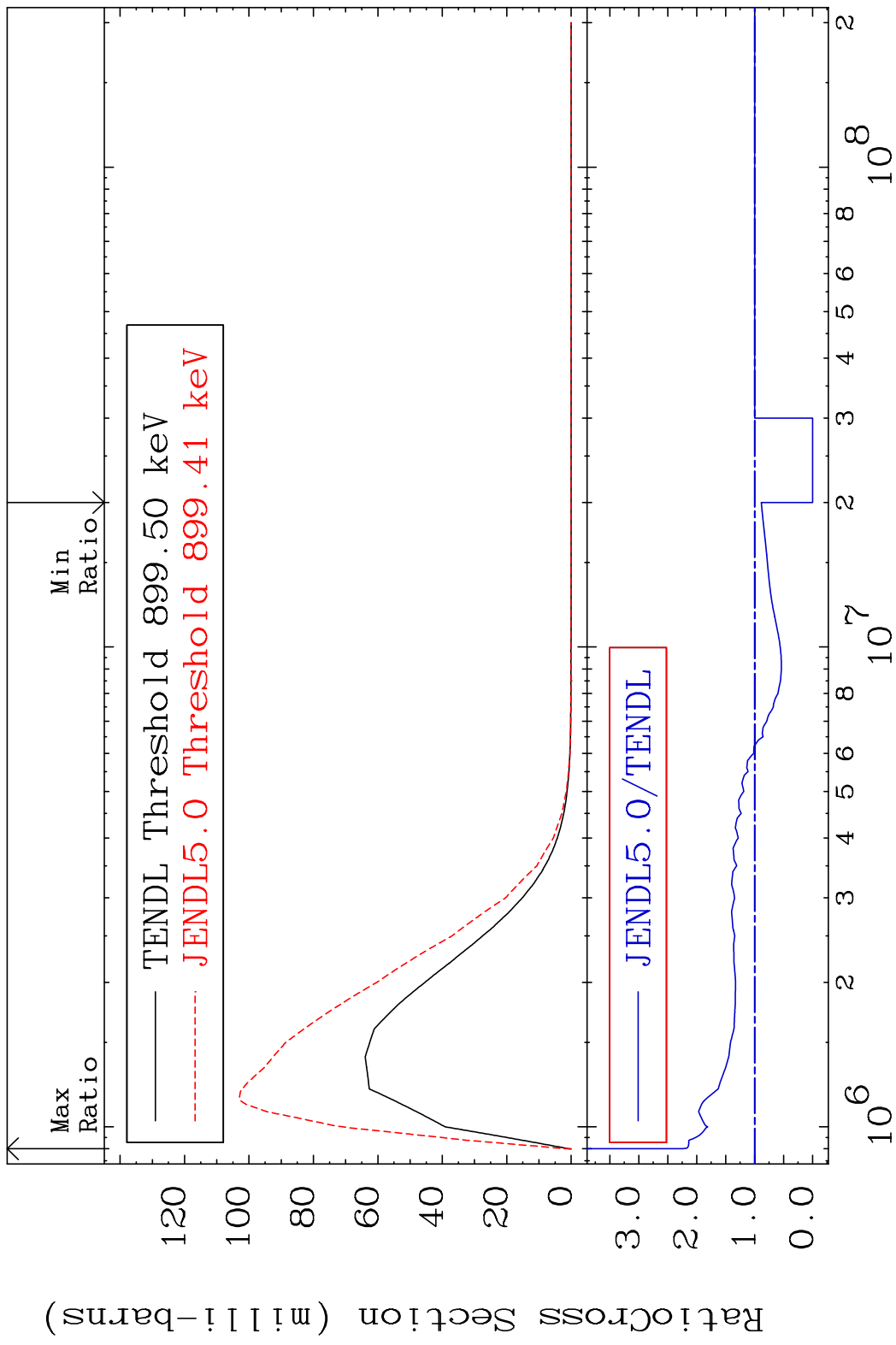


20 48-Cd-109

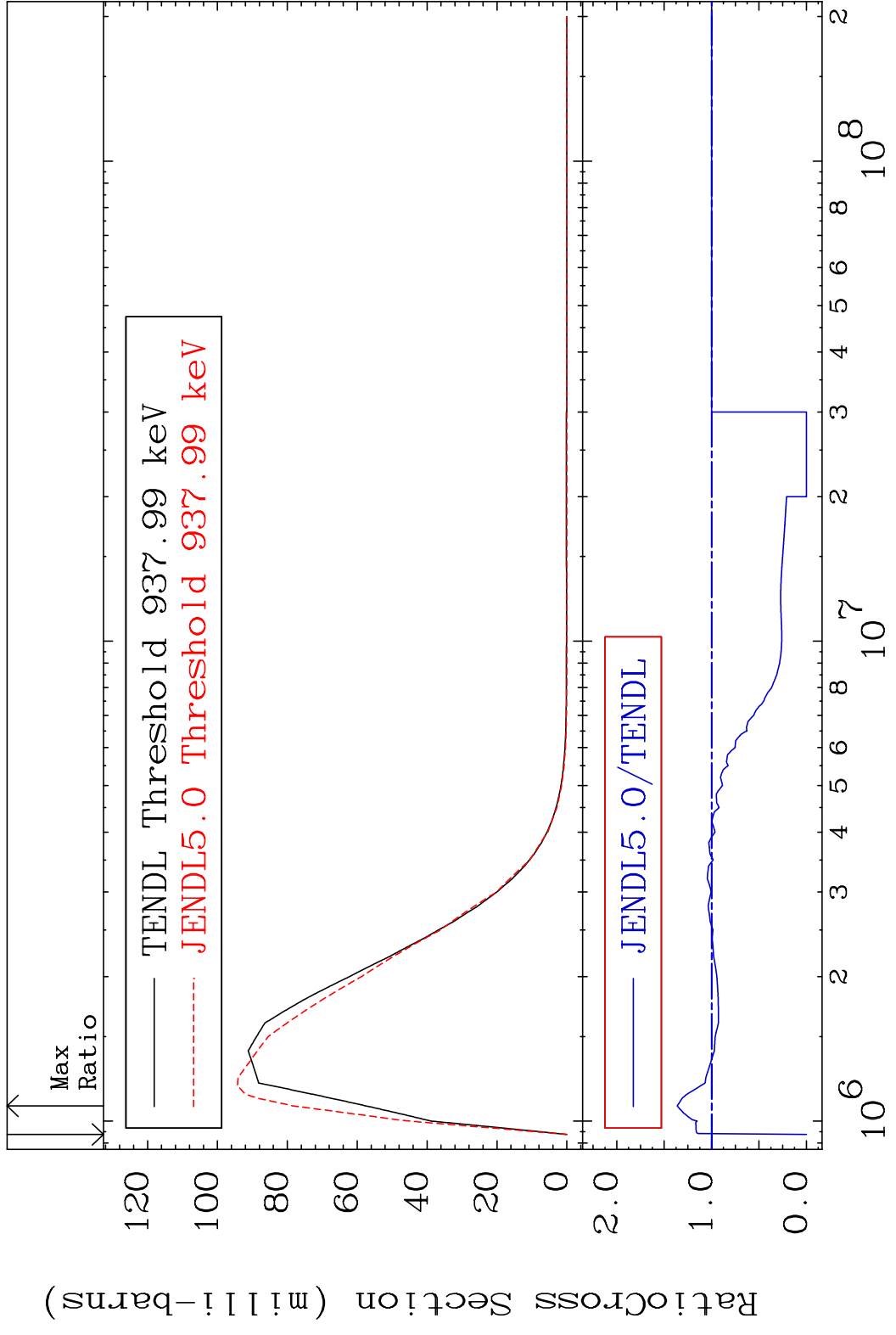
MAT 4834 MT= 60 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 36.07 %



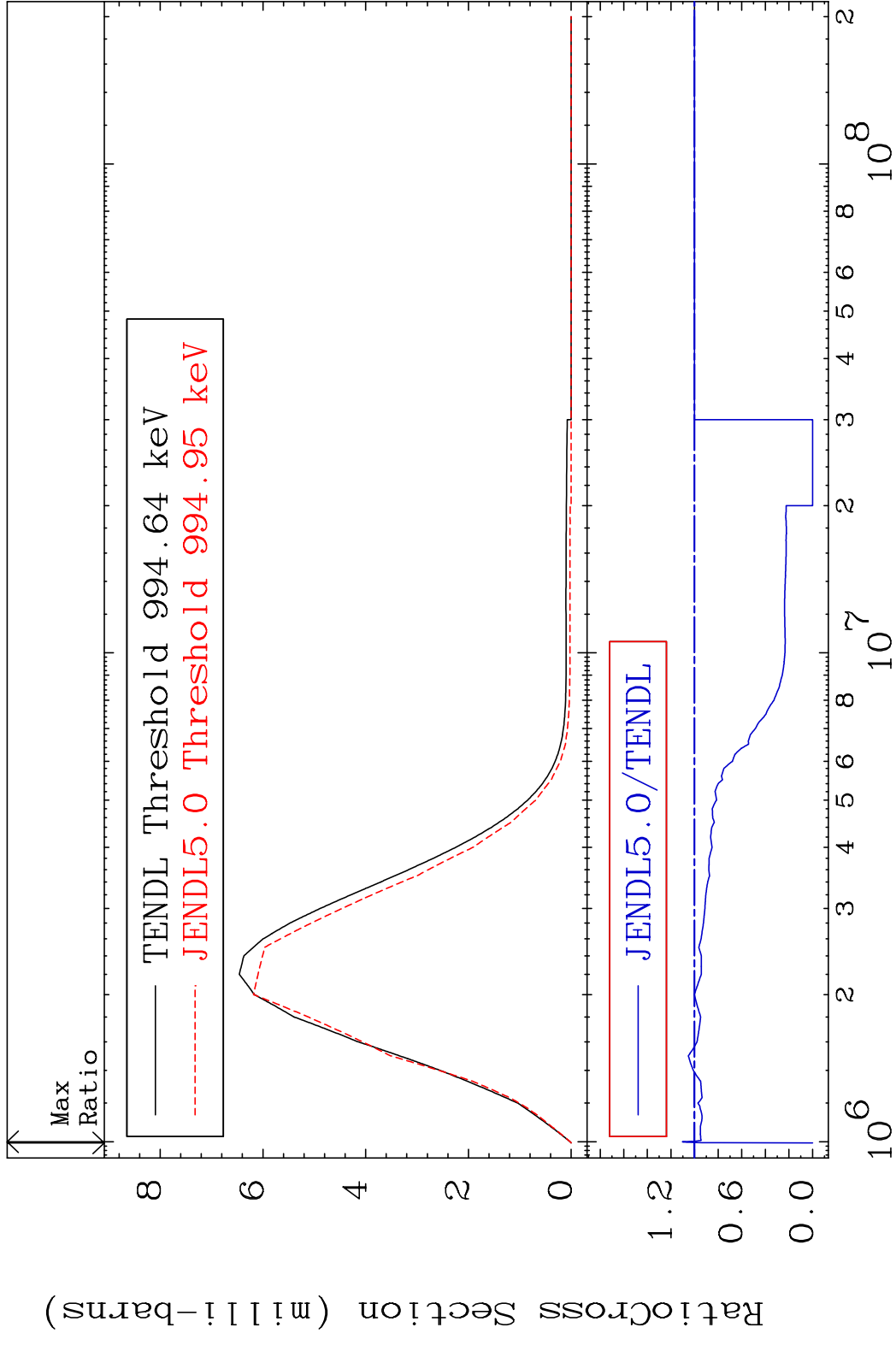
MAT 4834 MT= 61 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 124.8 %



MAT 4834 MT= 62 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 36.29 %

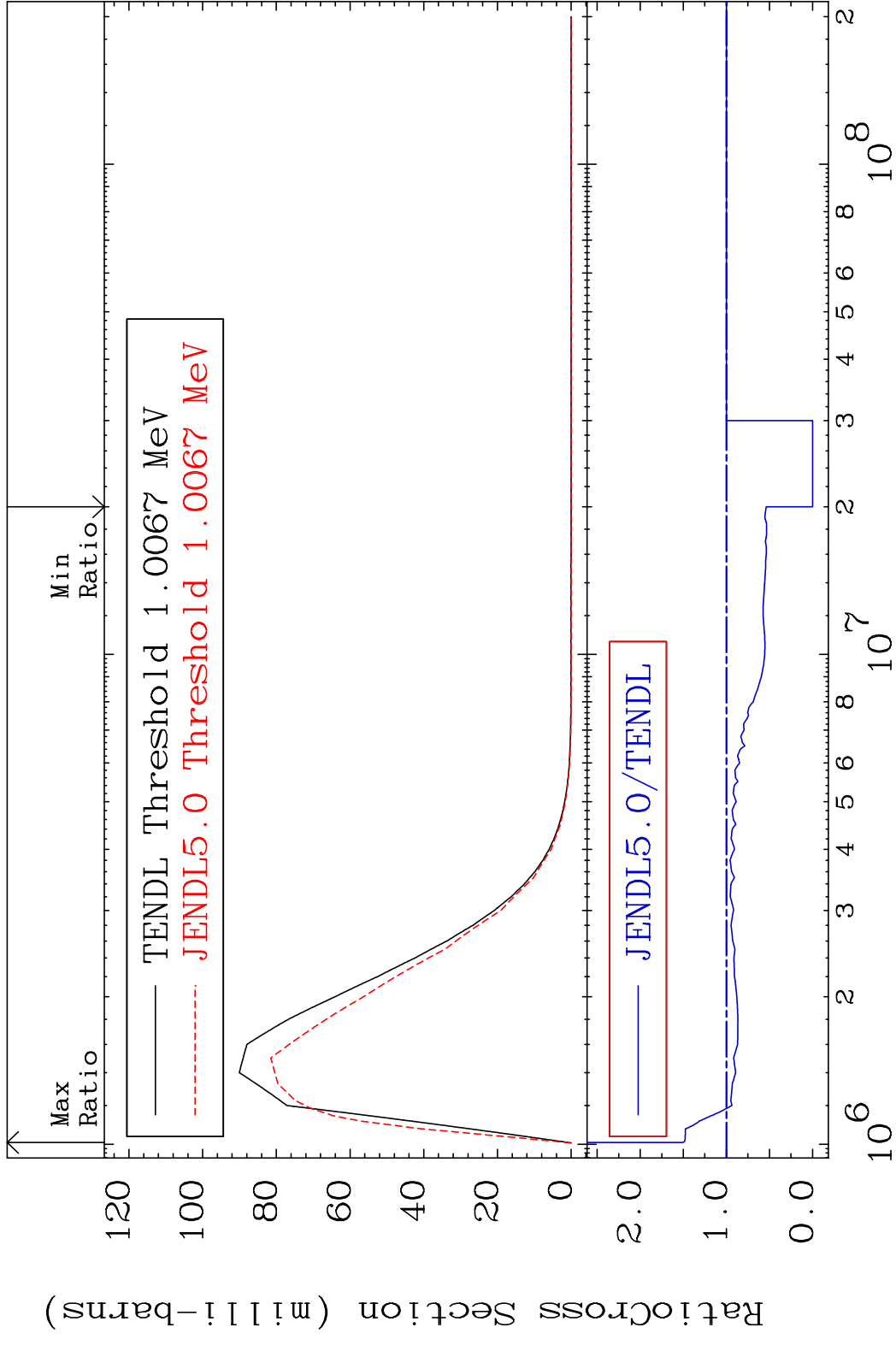


MAT 4834 MT= 63 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 10.35 %



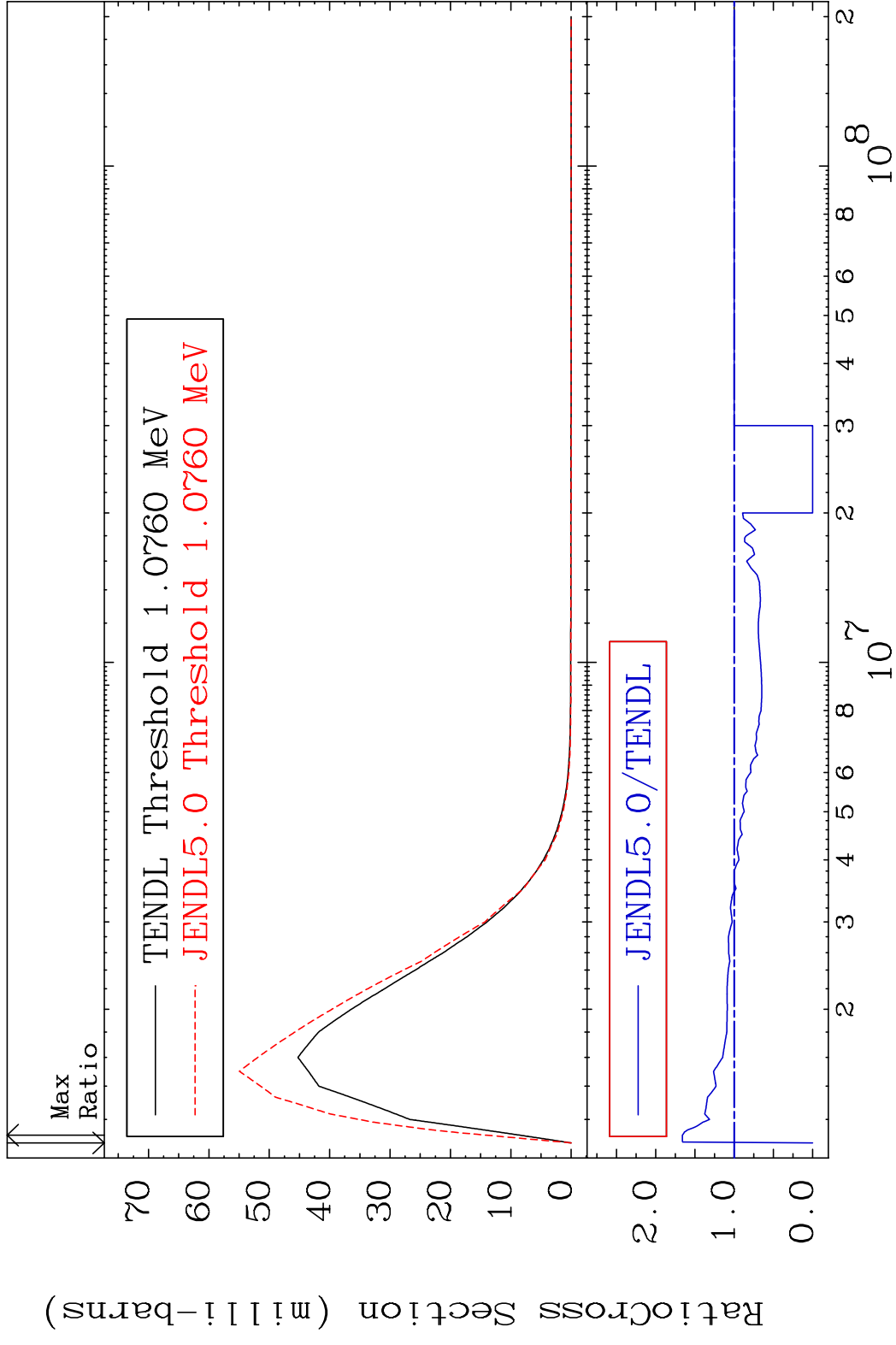
24 Incident Energy (eV) 48-Cd-109

MAT 4834 MT= 64 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 51.10 %

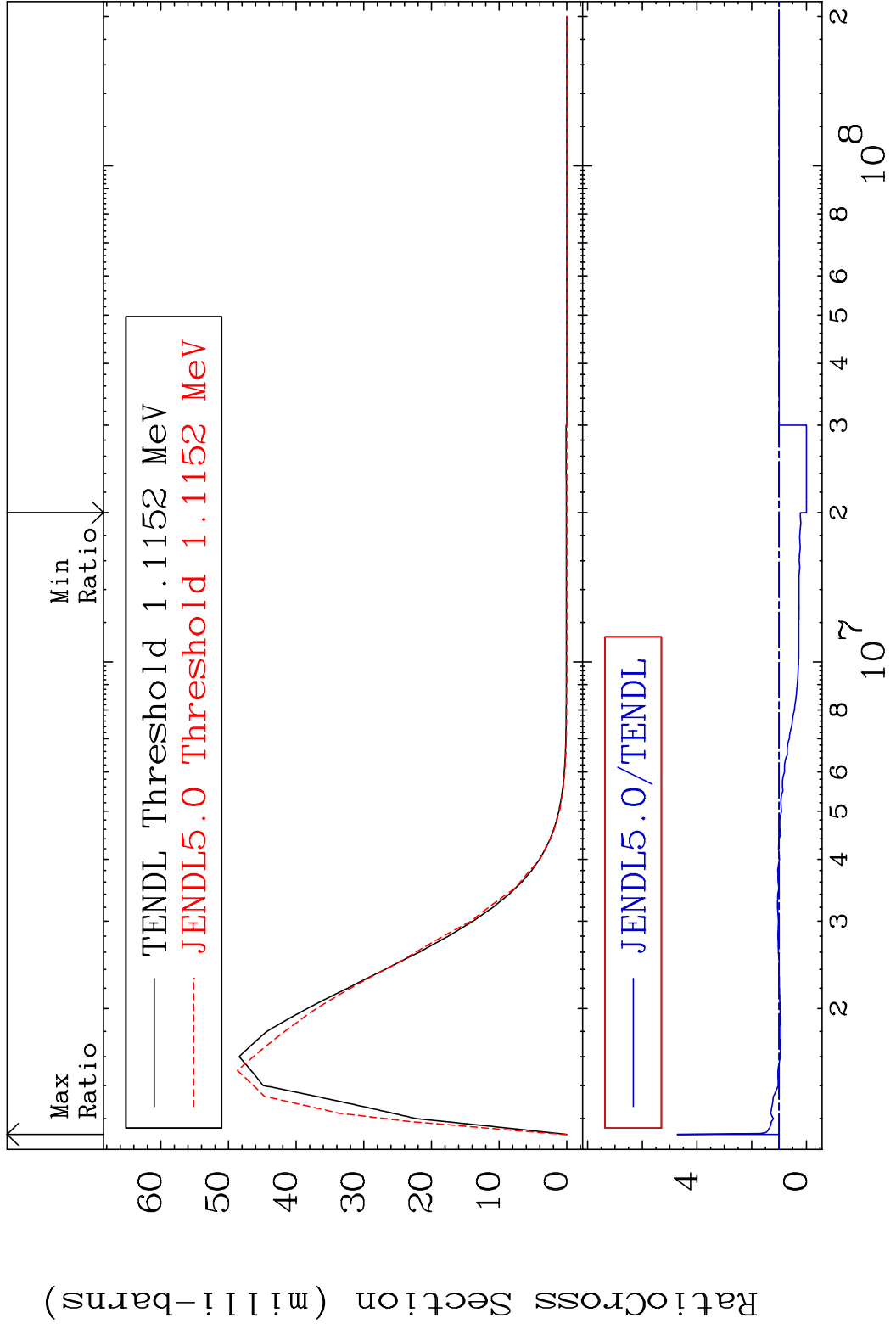


25 Incident Energy (eV) 48-Cd-109

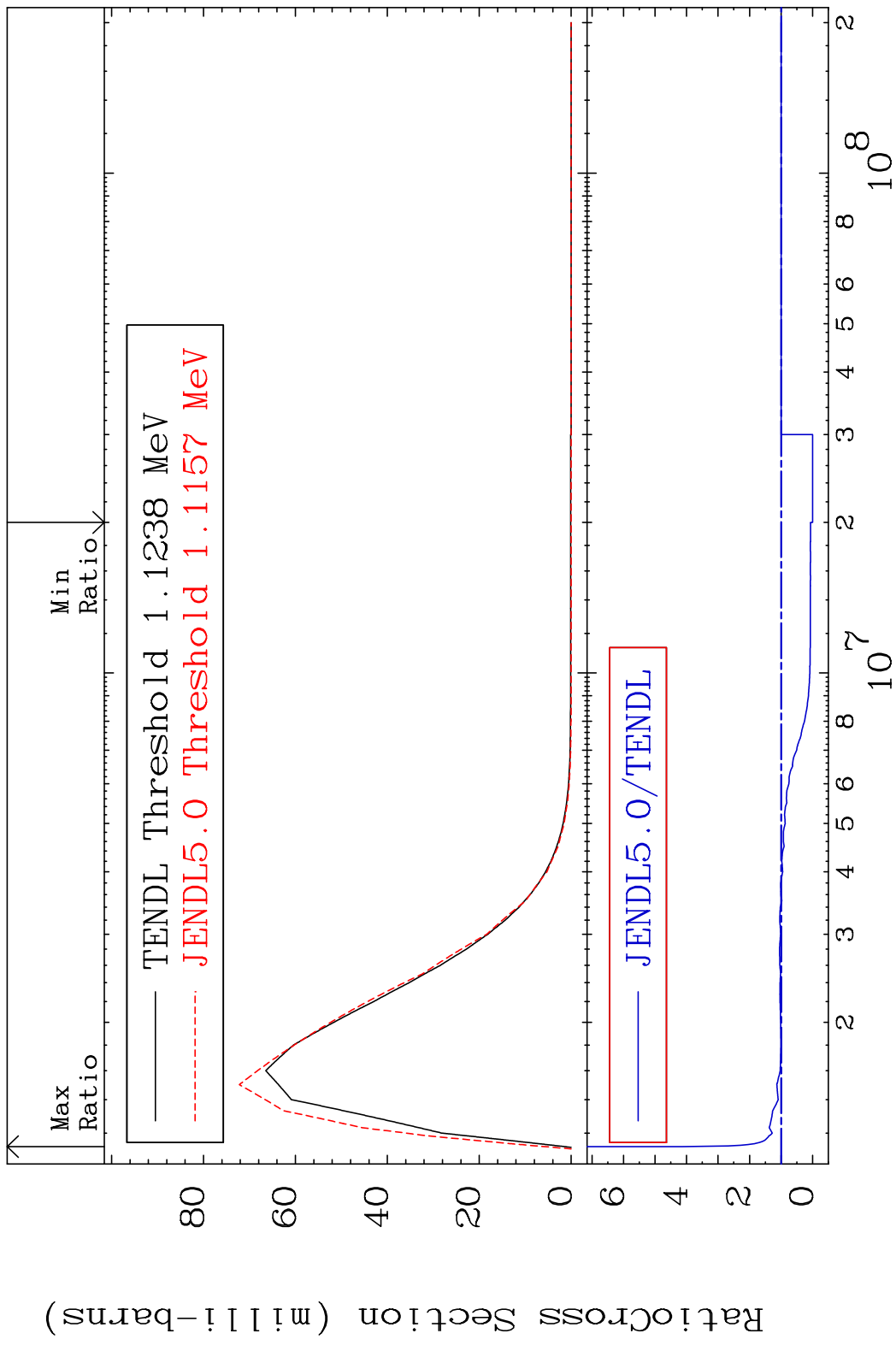
MAT 4834 MT= 65 (n,n') Level 48-Cd-109
 Cross Section -100.0 To 66.09 %



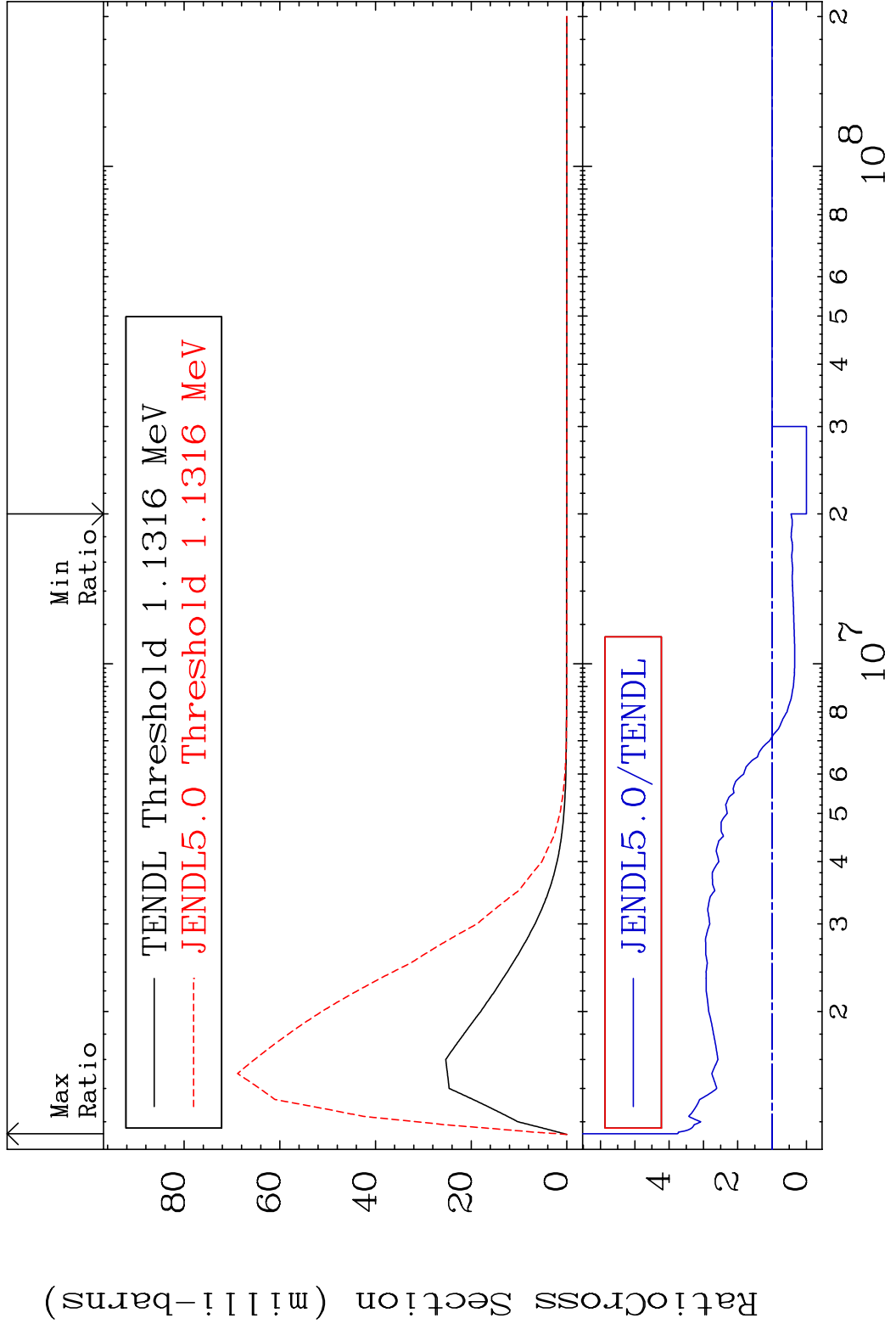
MAT 4834 MT= 66 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 372.5 %



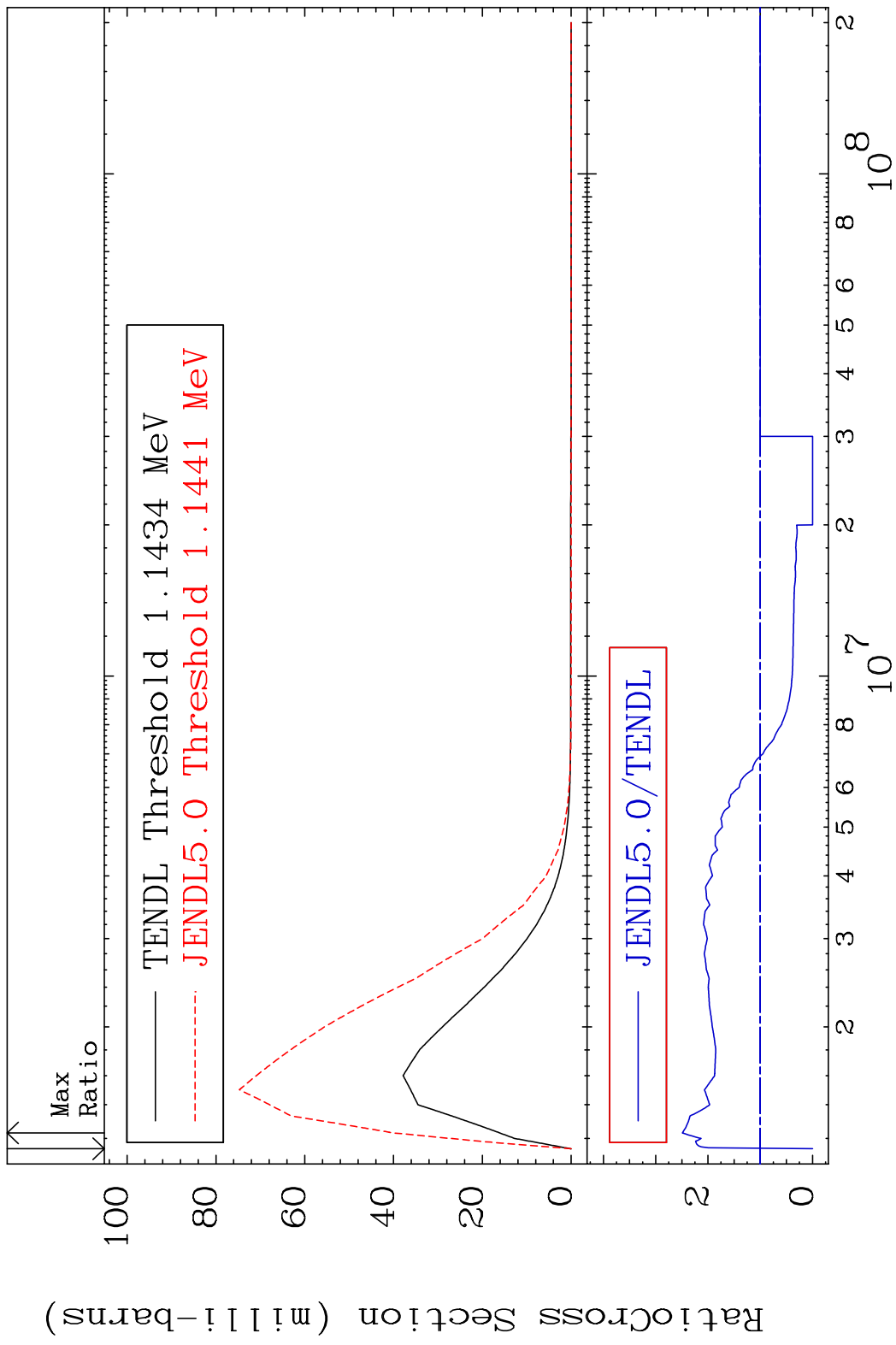
MAT 4834 MT= 67 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 313.3 %



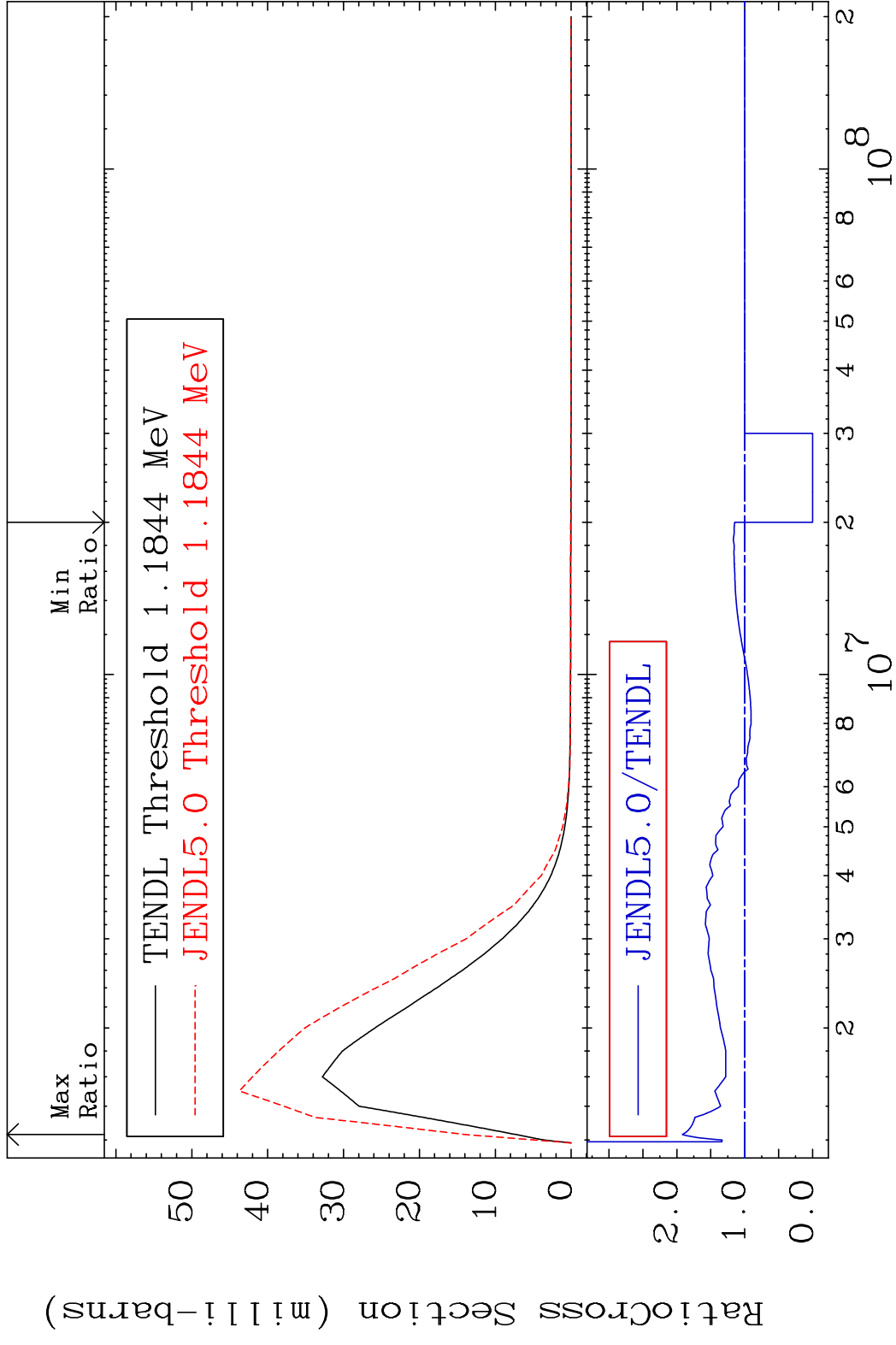
MAT 4834 MT= 68 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 276.5 %



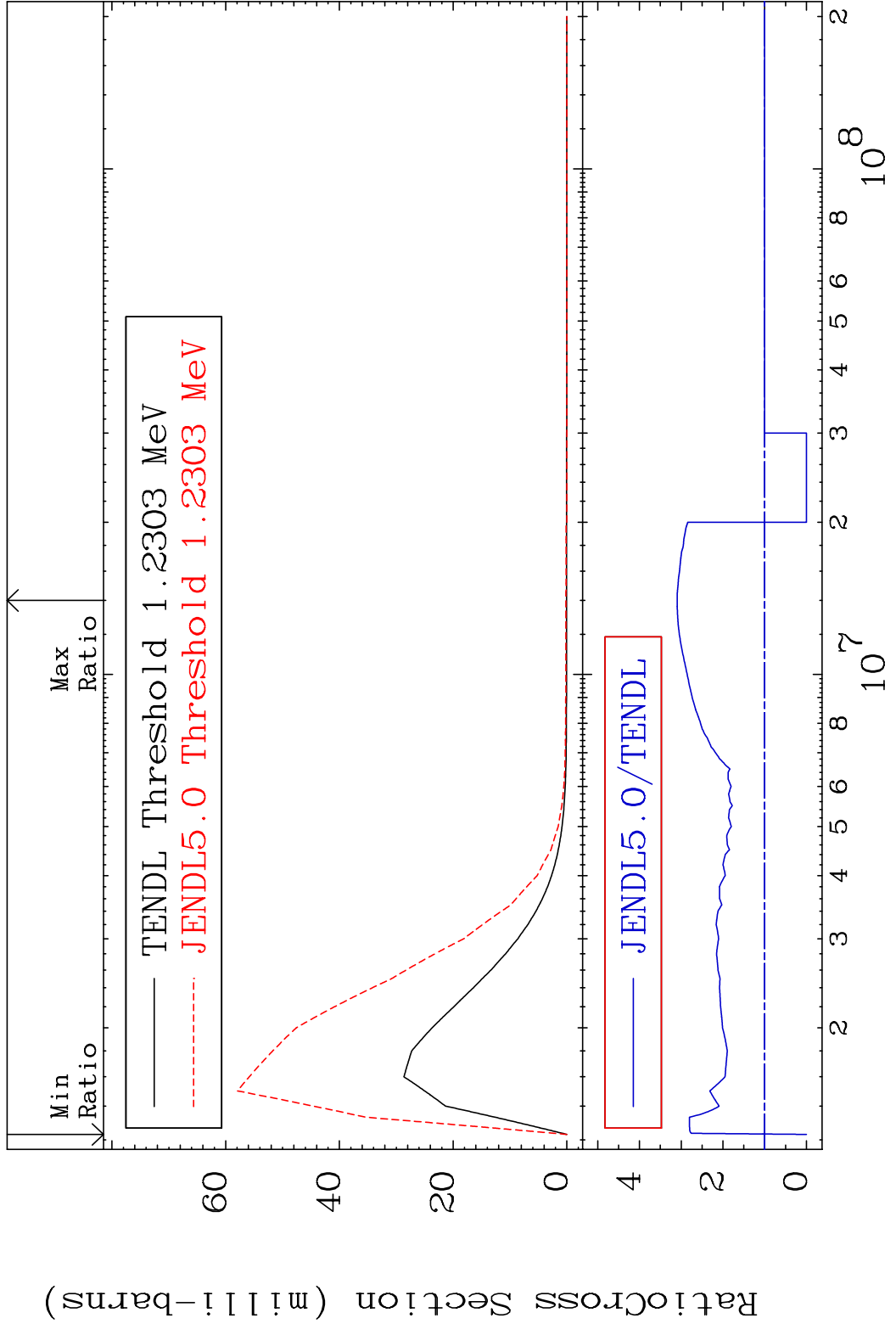
MAT 4834 MT= 69 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 149.0 %



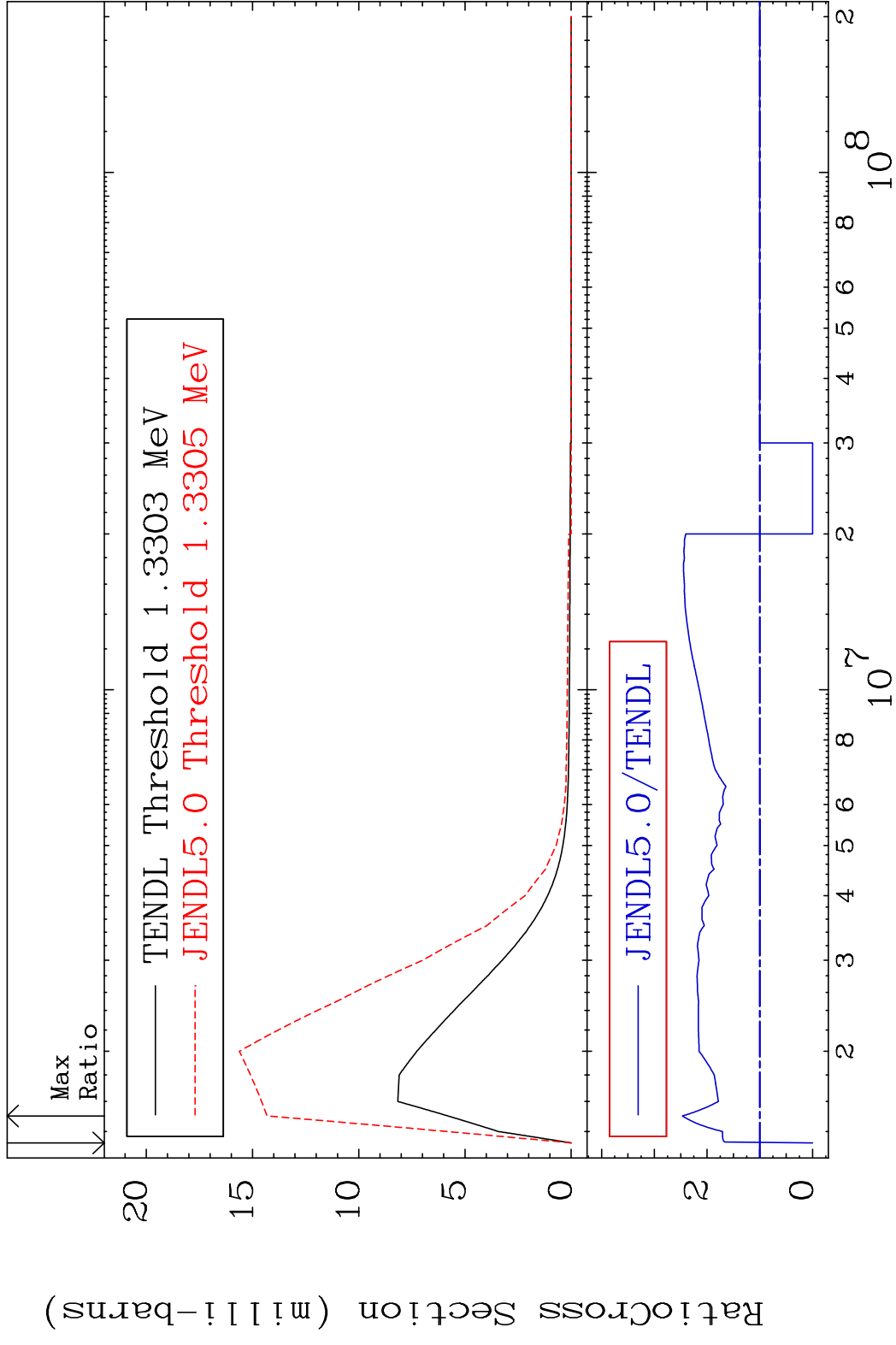
MAT 4834 MT= 70 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 91.89 %



MAT 4834 MT= 71 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 209.7 %



MAT 4834 MT= 72 (n, n') Level 48-Cd-109
 Cross Section -100.0 To 146.8 %

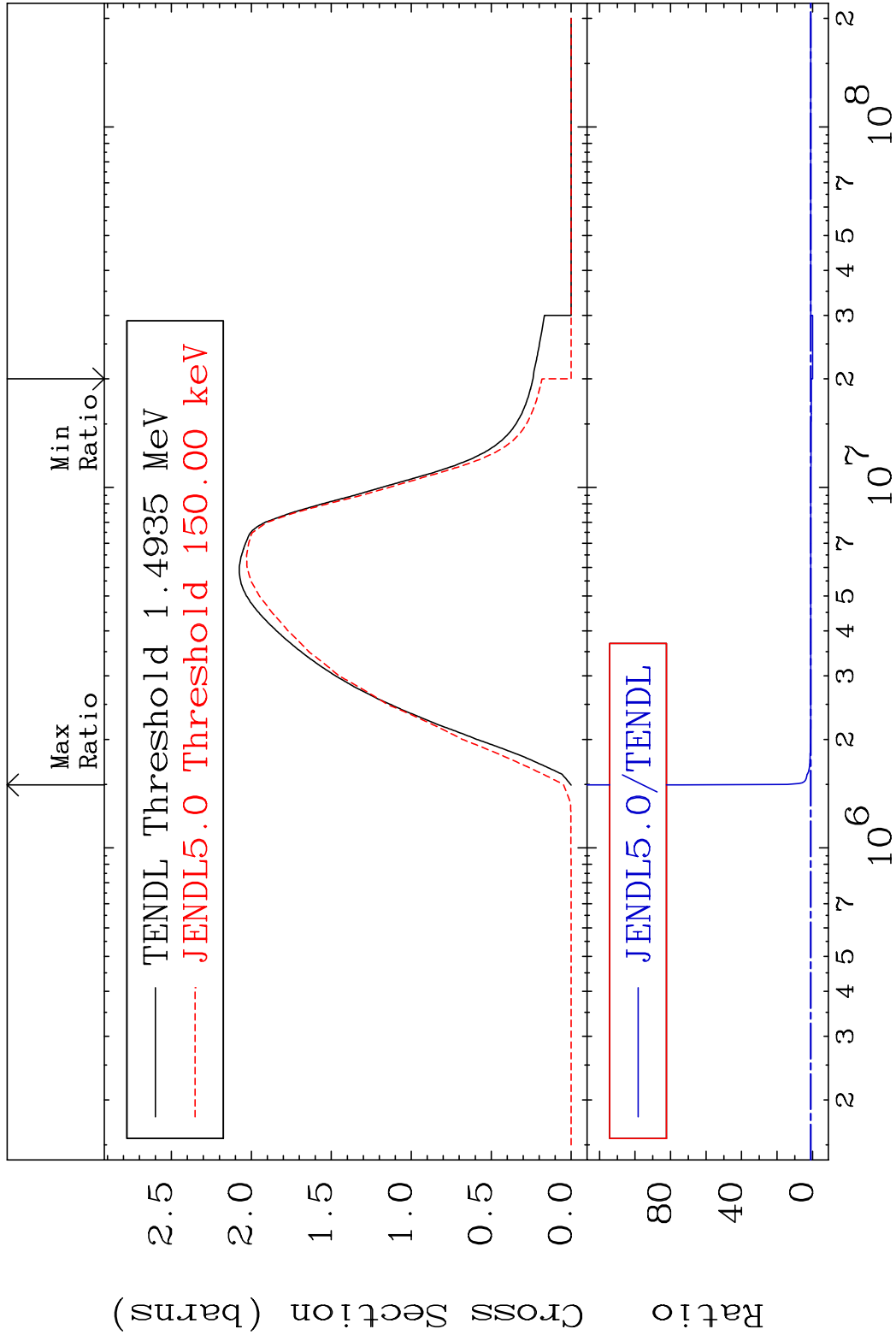


MAT 4834

(n,n') Continuum

48-Cd-109

Cross Section -100.0 To 7236. %



34

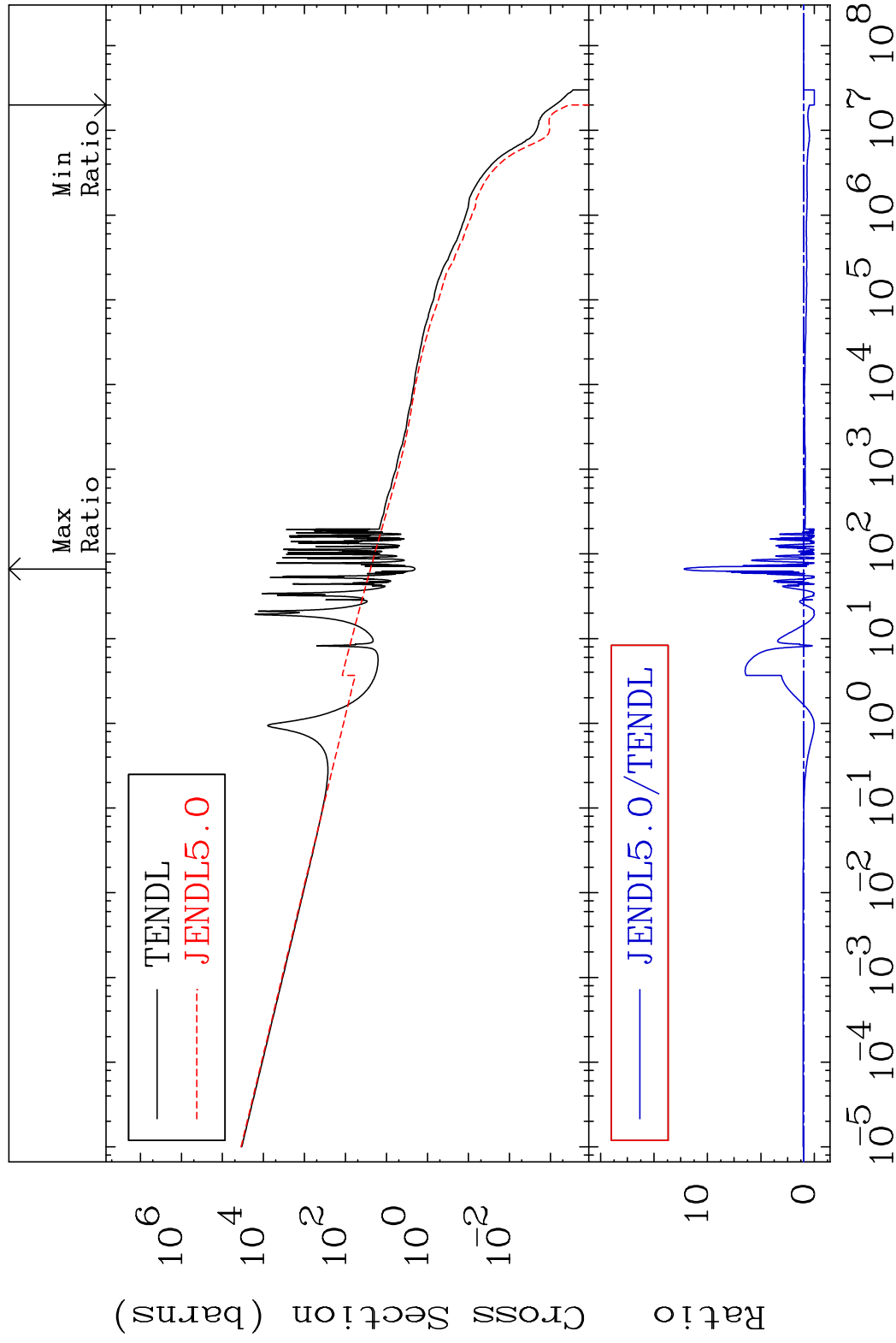
Incident Energy (eV)

48-Cd-109

MAT 4834

(n, γ)
Cross Section -100.0 To 1119. %

48-Cd-109



35

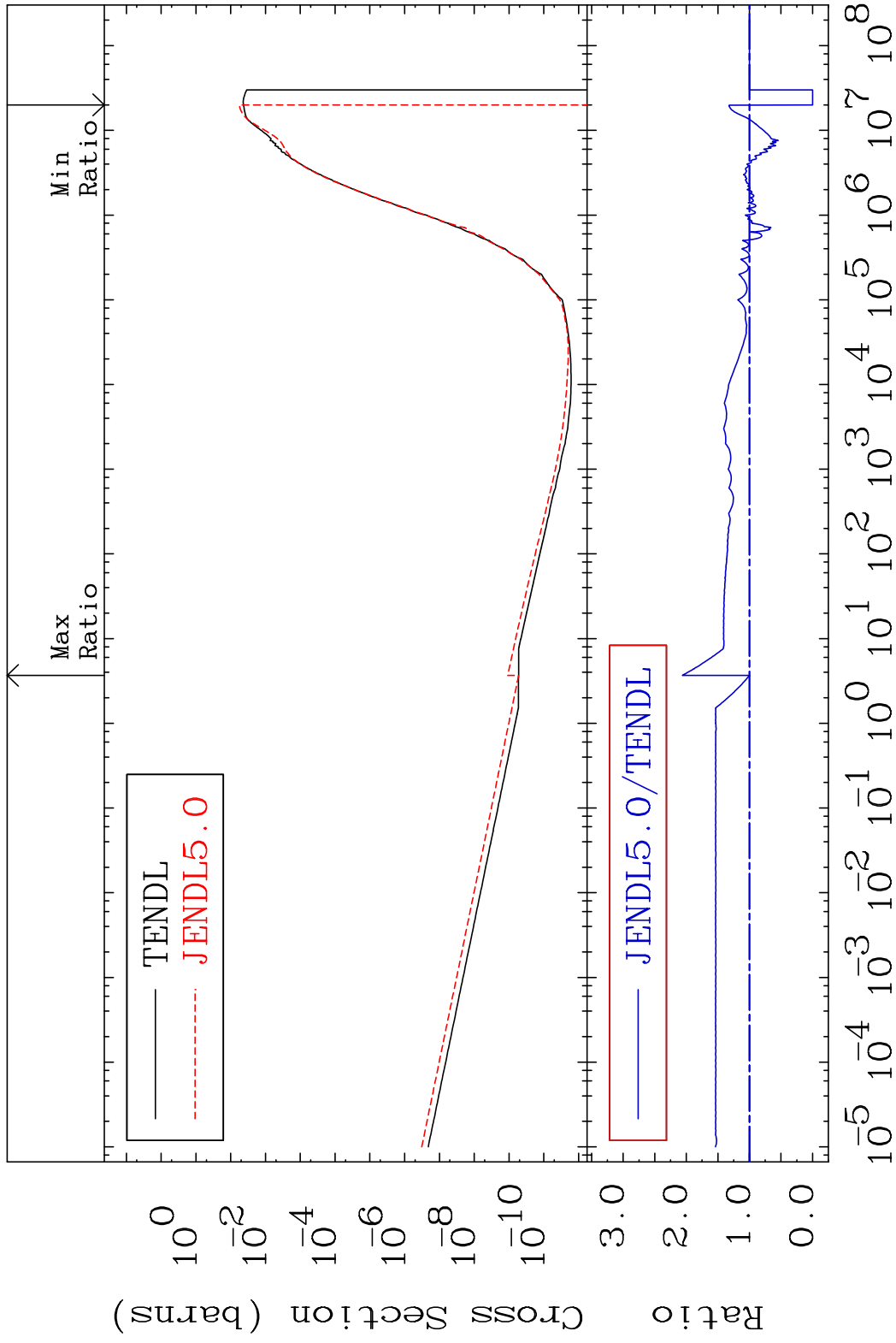
48-Cd-109

MAT 4834

(n, p)

48-Cd-109

Cross Section -100.0 To 106.3 %



36

Incident Energy (eV)

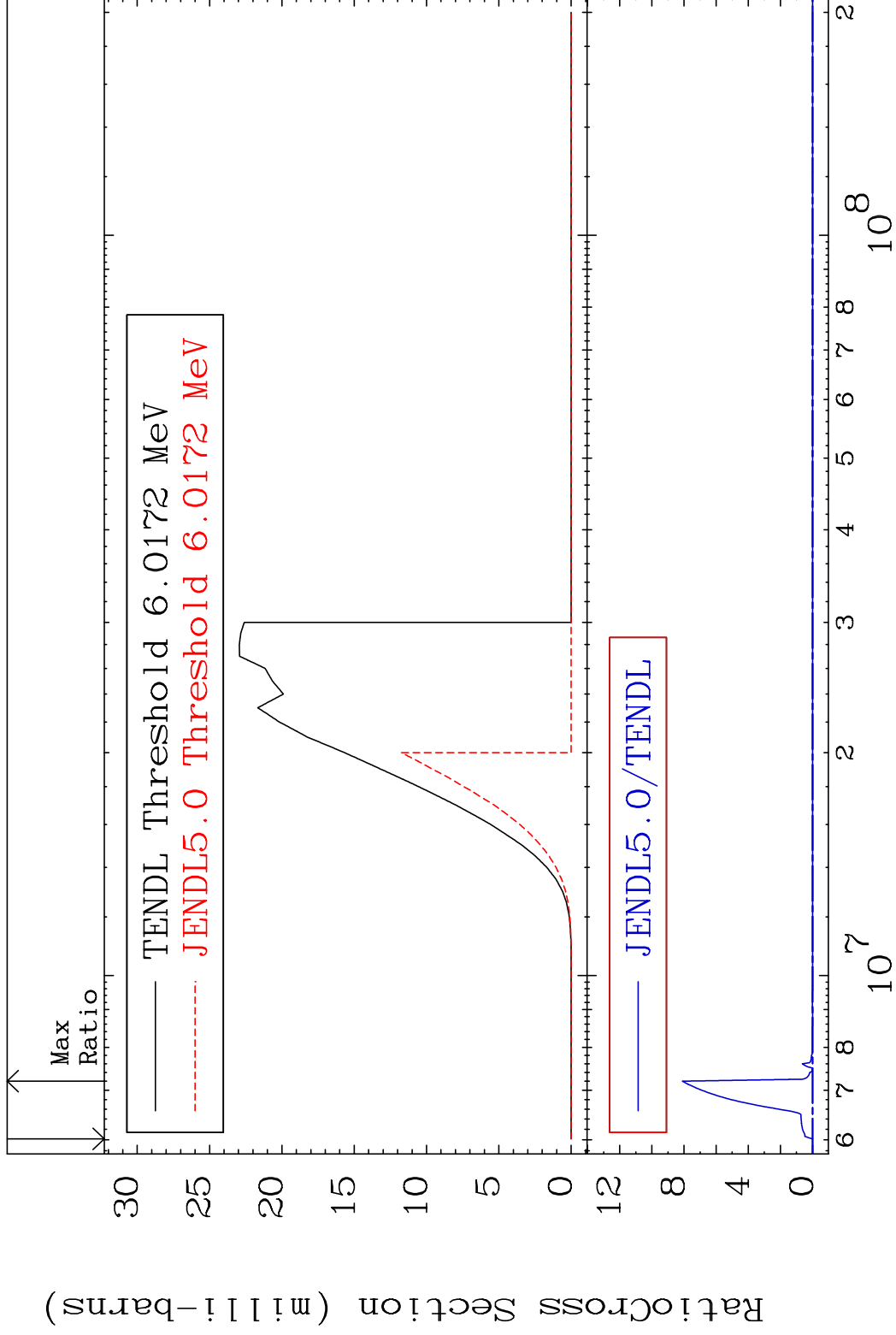
48-Cd-109

MAT 4834

(n,d)

48-Cd-109

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

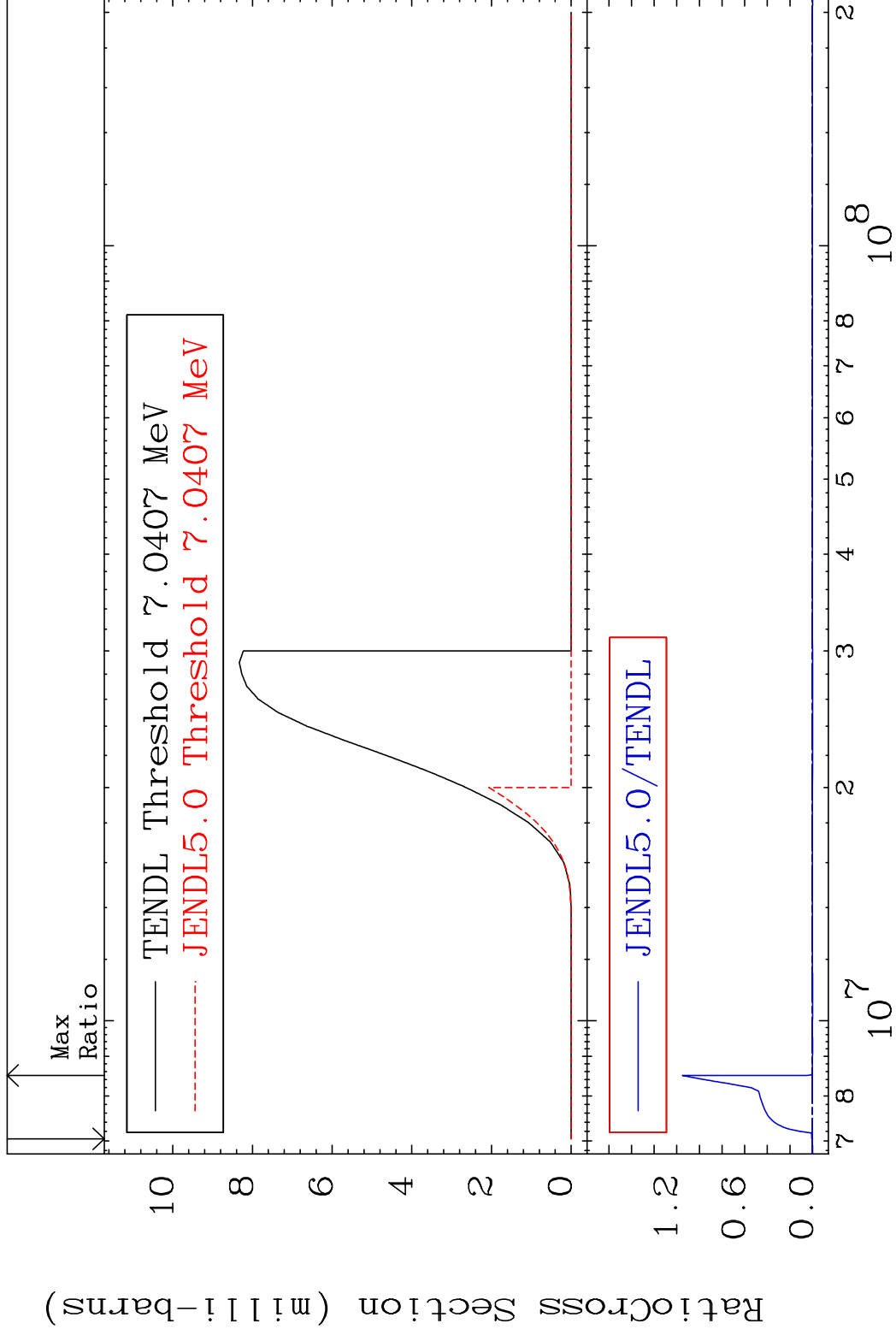
48-Cd-109

MAT 4834

(n, t)

48-Cd-109

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

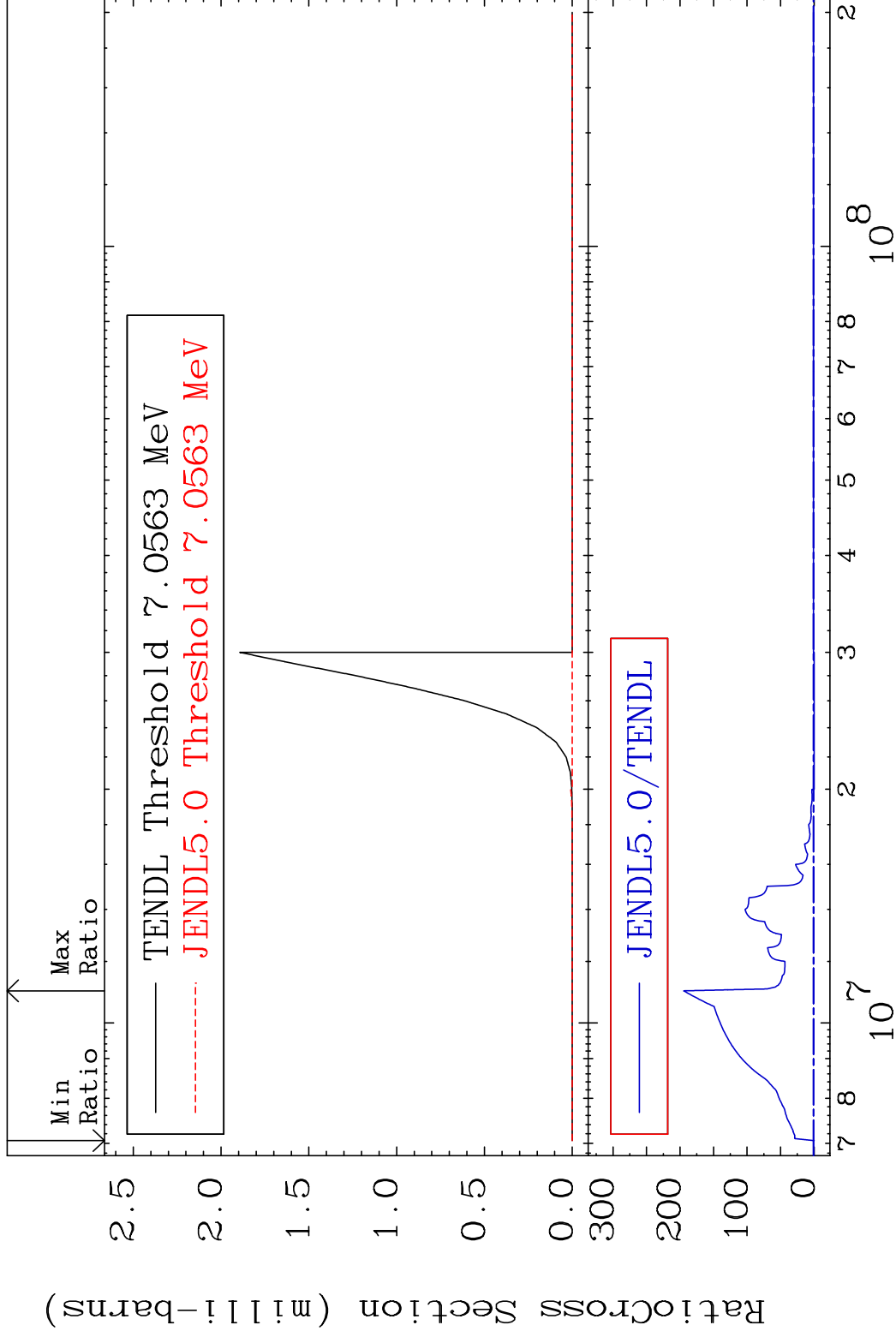
48-Cd-109

MAT 4834

(n, He-3)

48-Cd-109

Cross Section -100.0 To 9999. %



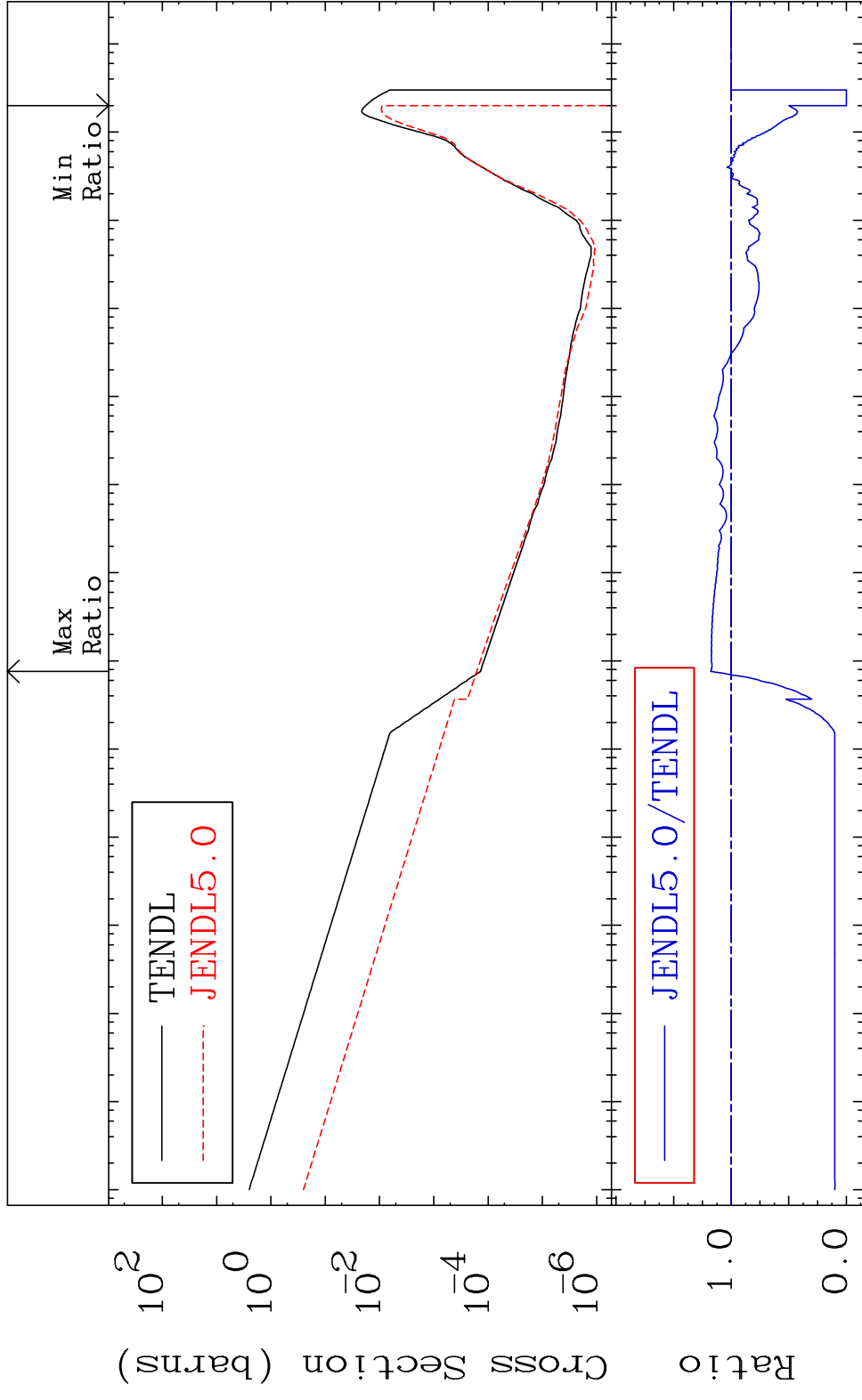
39

Incident Energy (eV)

48-Cd-109

MAT 4834

(n, α)
Cross Section -100.0 To 17.80 %
48-Cd-109

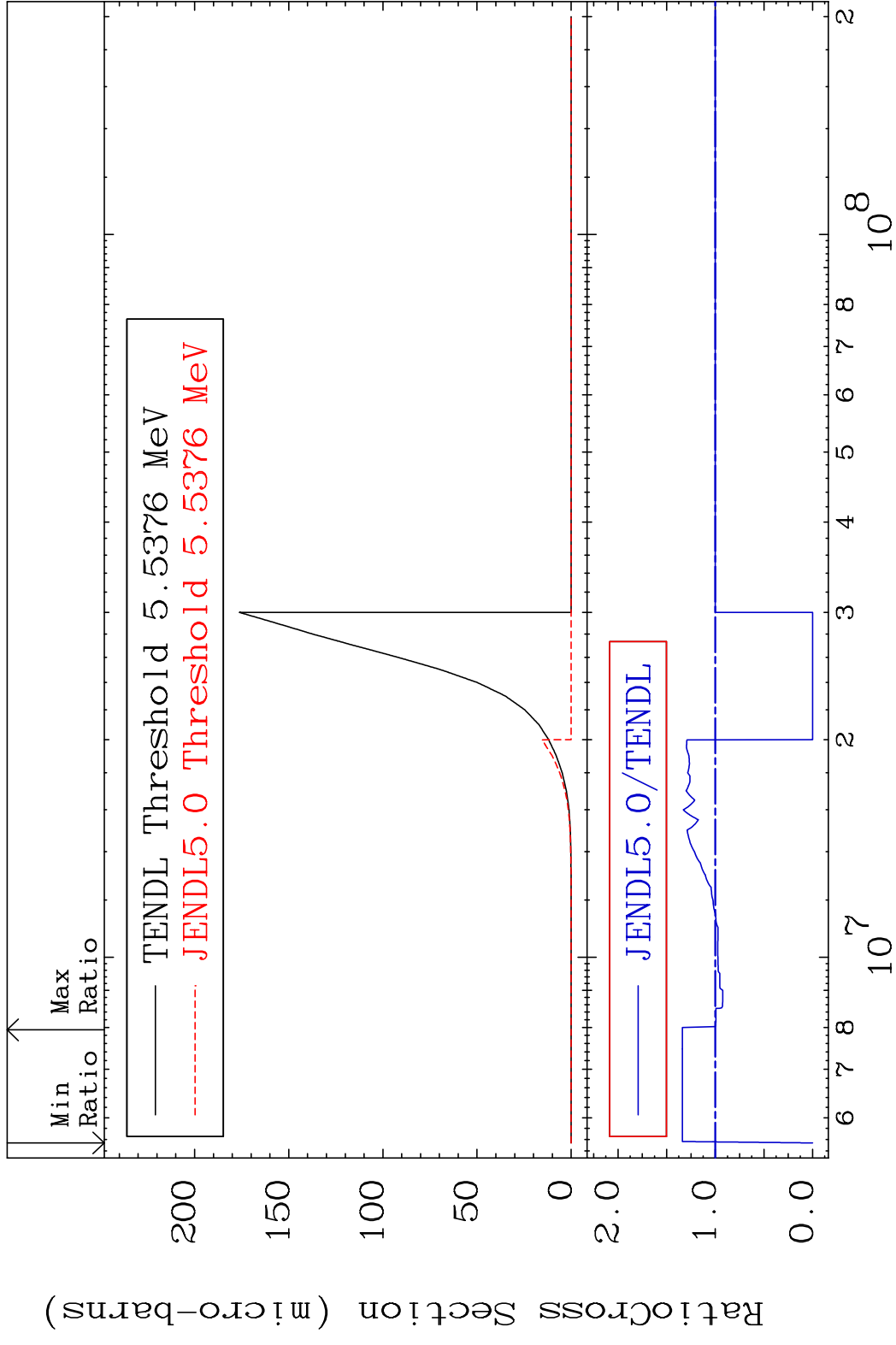


40

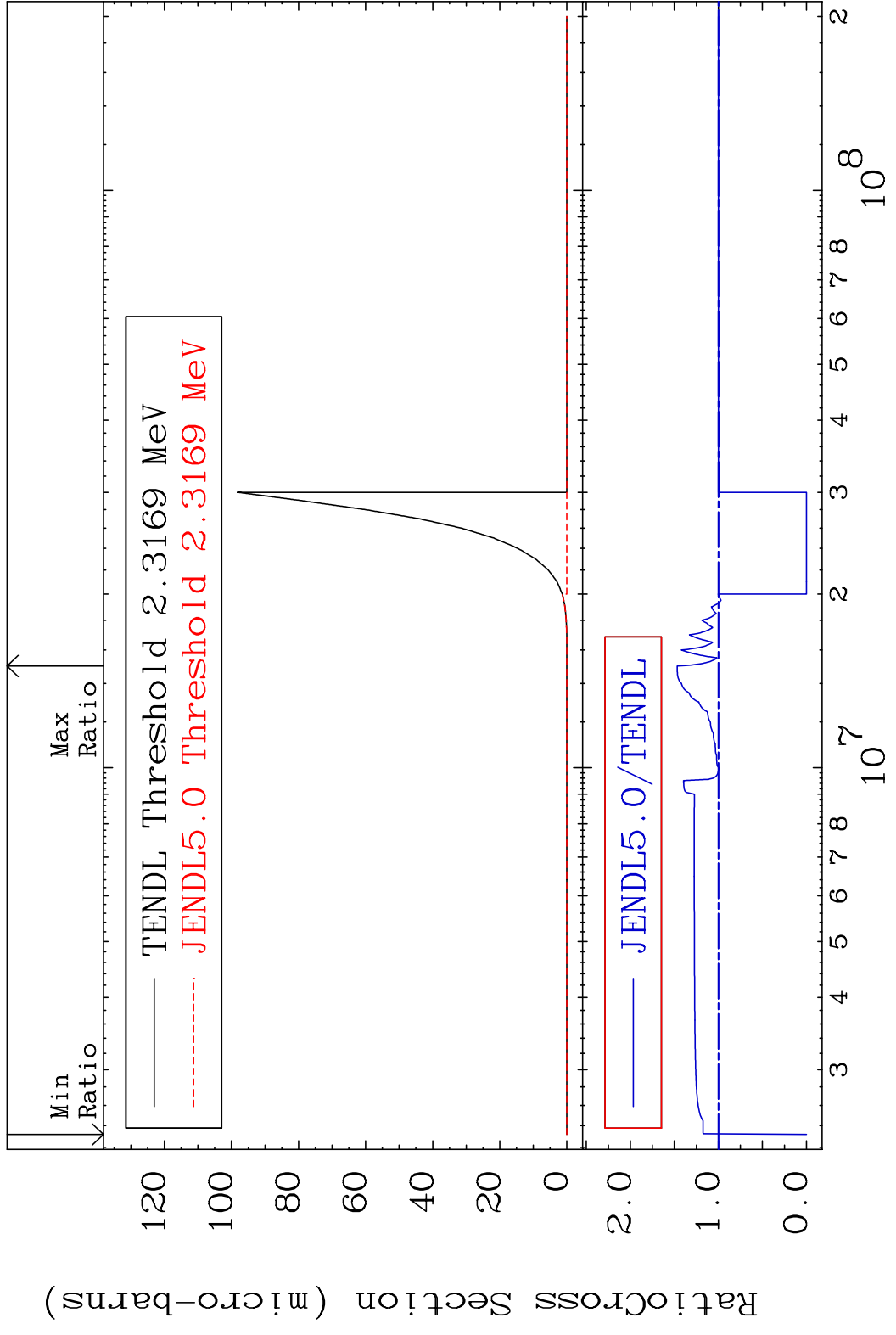
Incident Energy (eV)

48-Cd-109

MAT 4834 (n,2p) 48-Cd-109
 Cross Section -100.0 To 33.85 %



MAT 4834 (n,p) α 48-Cd-109
 Cross Section -100.0 To 46.78 %

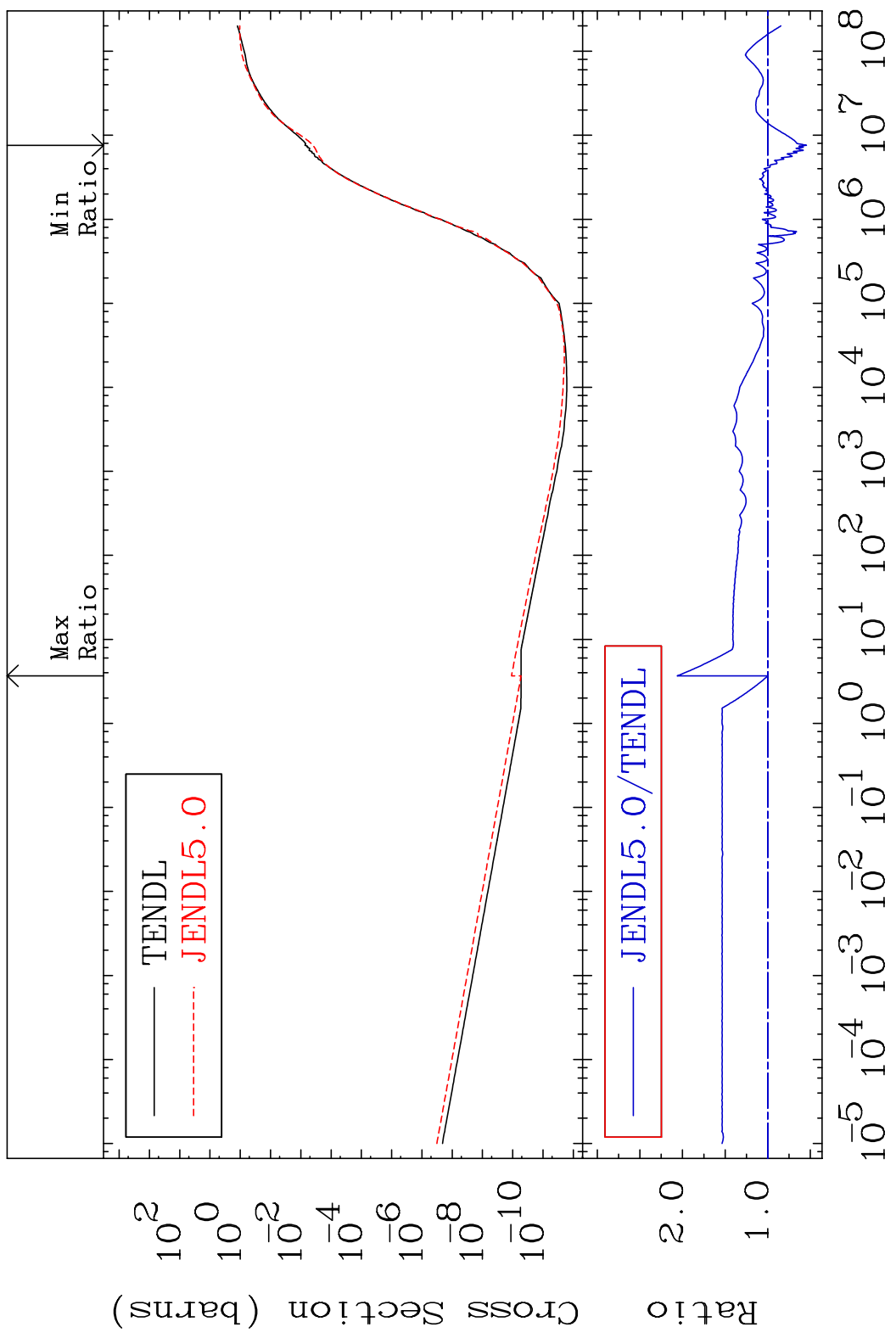


MAT 4834

Hydrogen Production

48-Cd-109

Cross Section -45.43 To 106.3 %

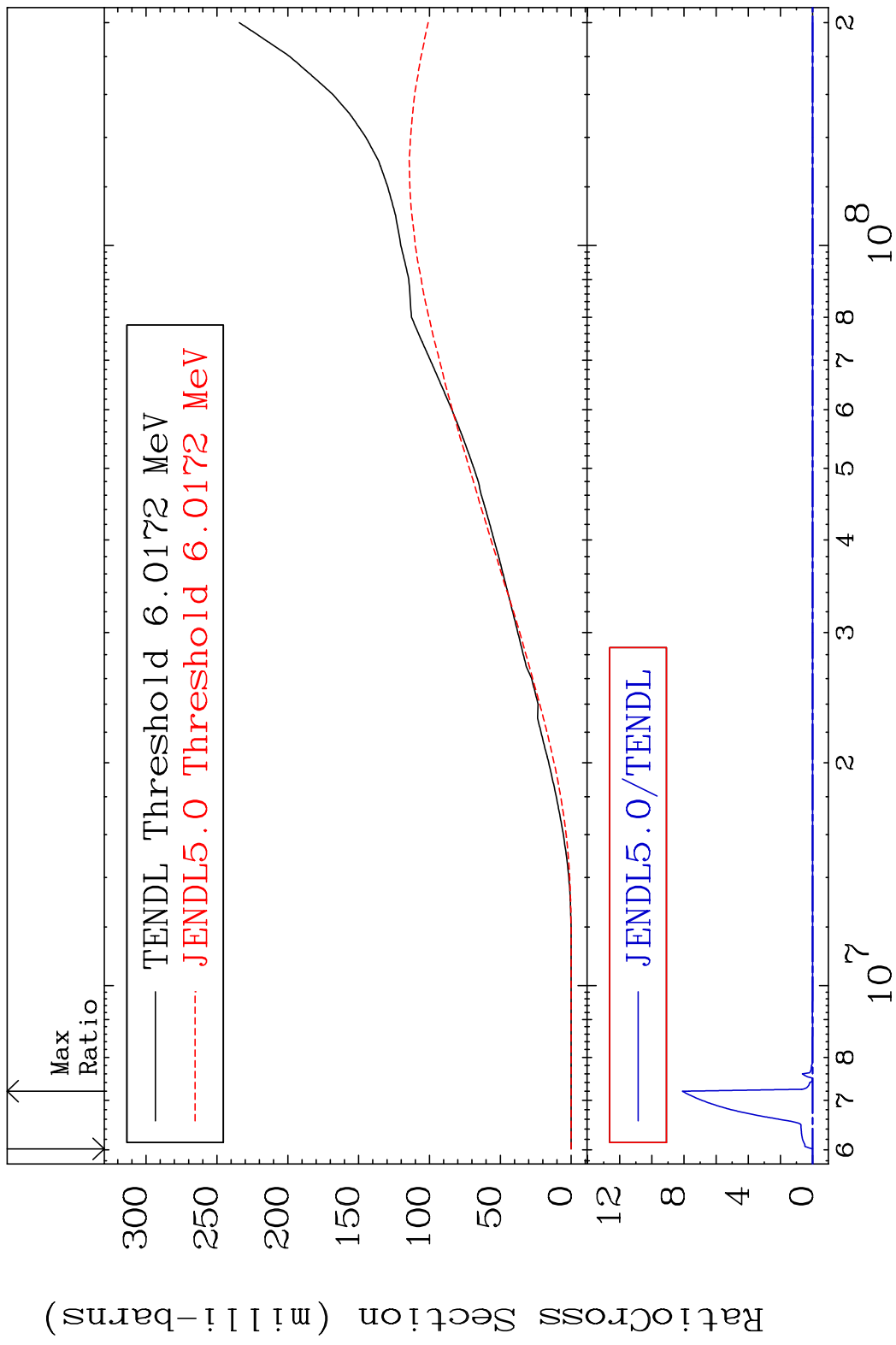


43

Incident Energy (eV)

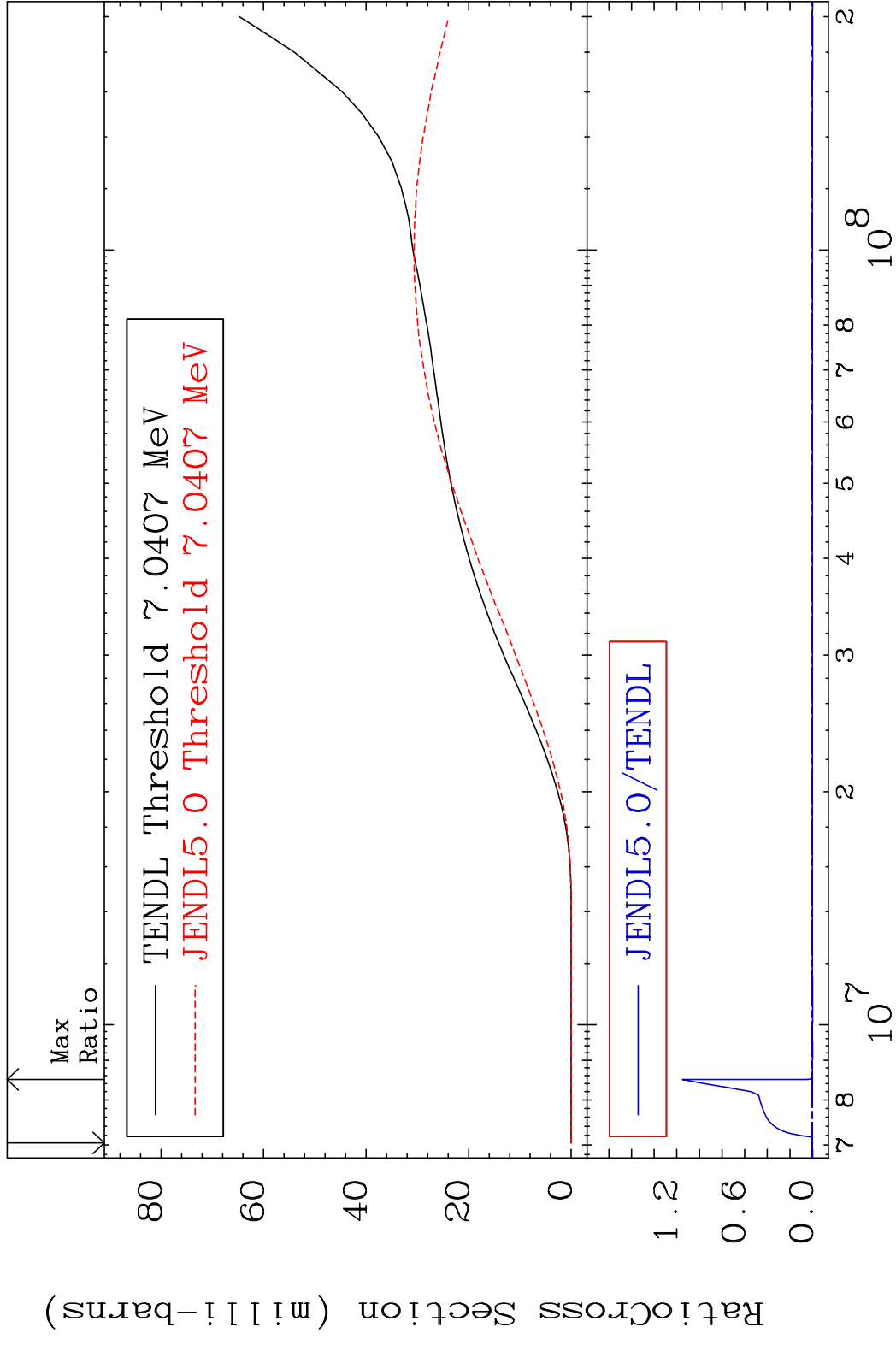
48-Cd-109

MAT 4834 Deuterium Production 48-Cd-109
 Cross Section -100.0 To 9999. %



44 48-Cd-109

MAT 4834 Tritium Production 48-Cd-109
 Cross Section -100.0 To 9999. %



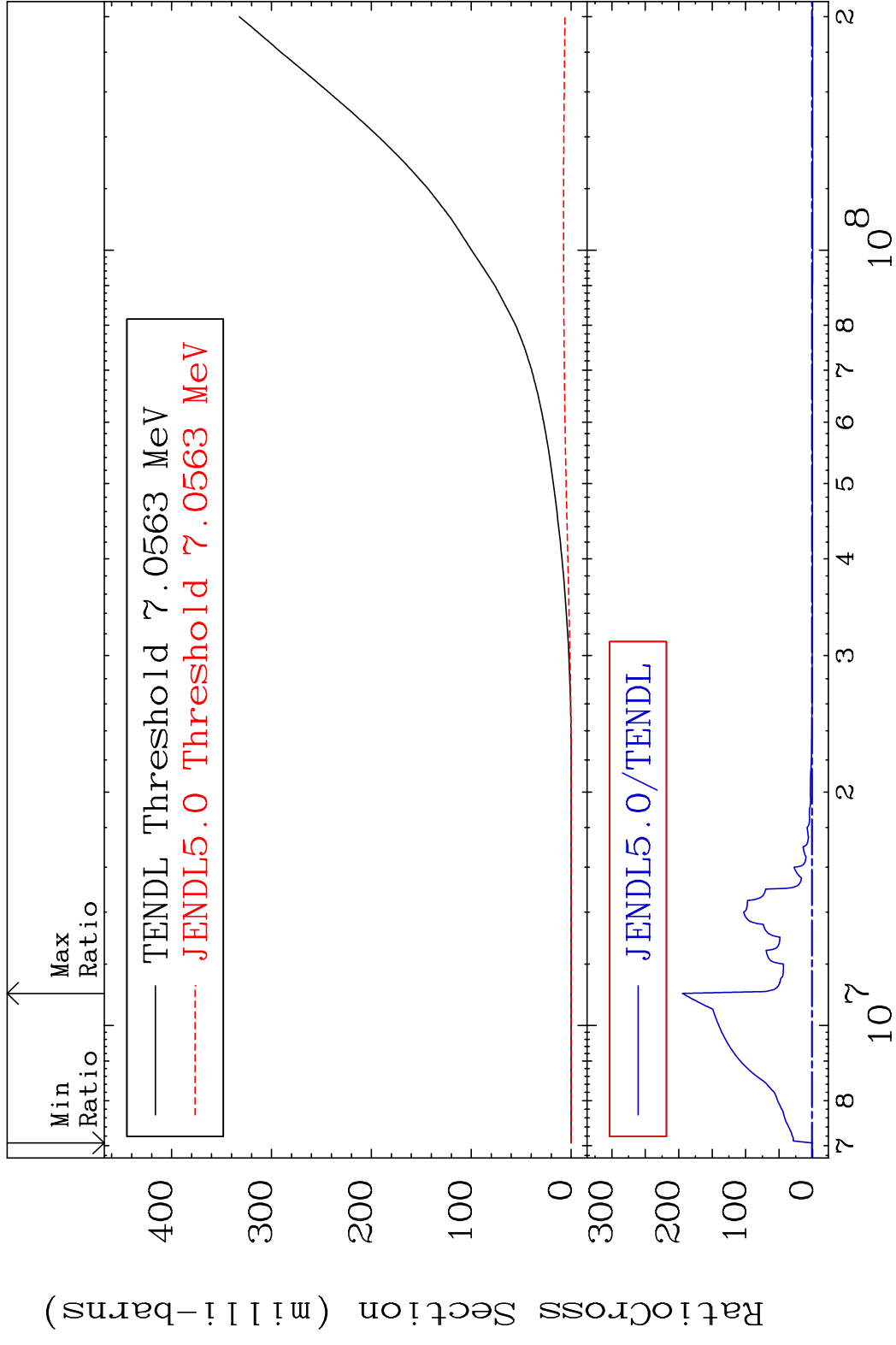
45 Incident Energy (eV) 48-Cd-109

MAT 4834

He-3 Production

48-Cd-109

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

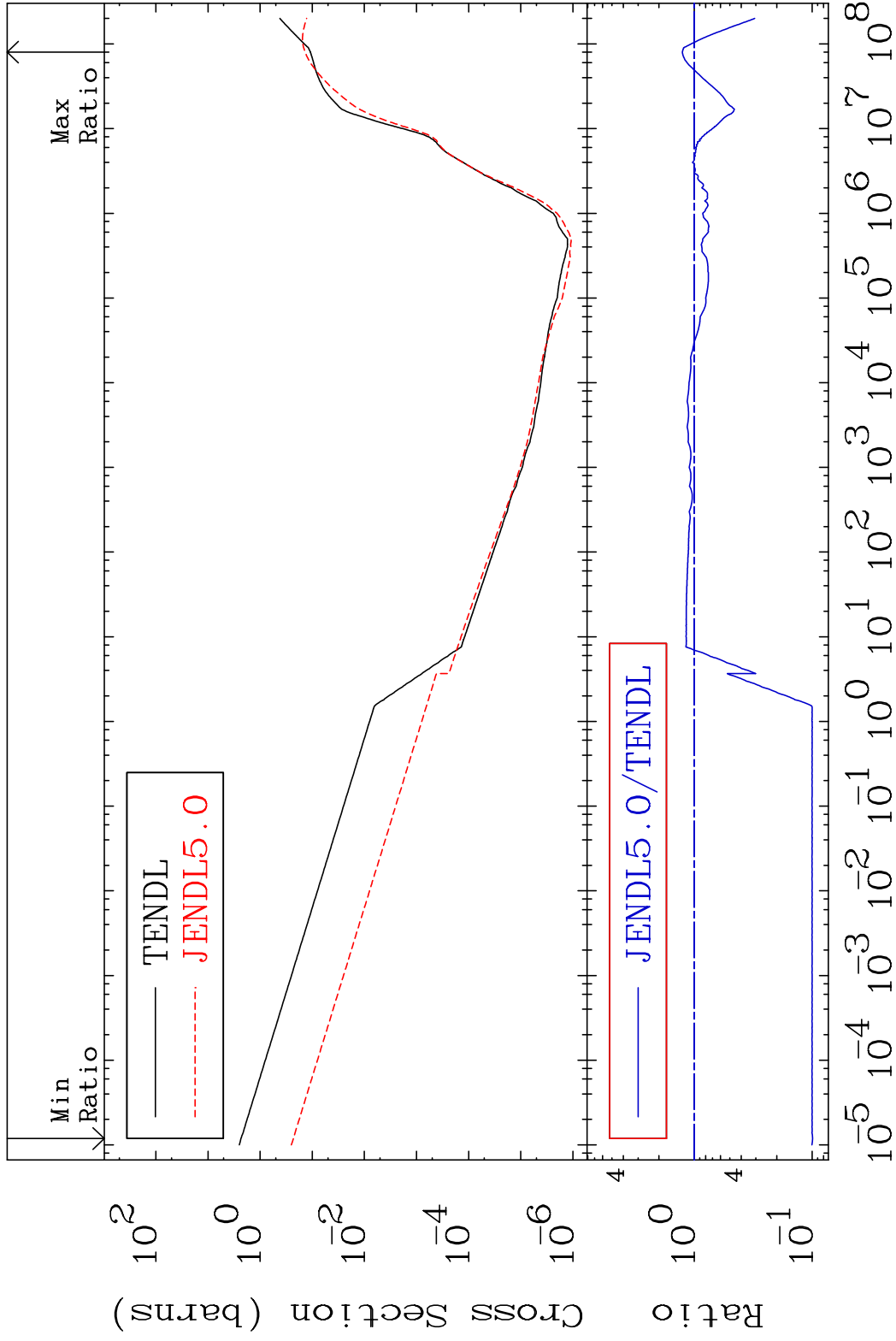
48-Cd-109

MAT 4834

He-4 Production

48-Cd-109

Cross Section -90.07 To 26.25 %

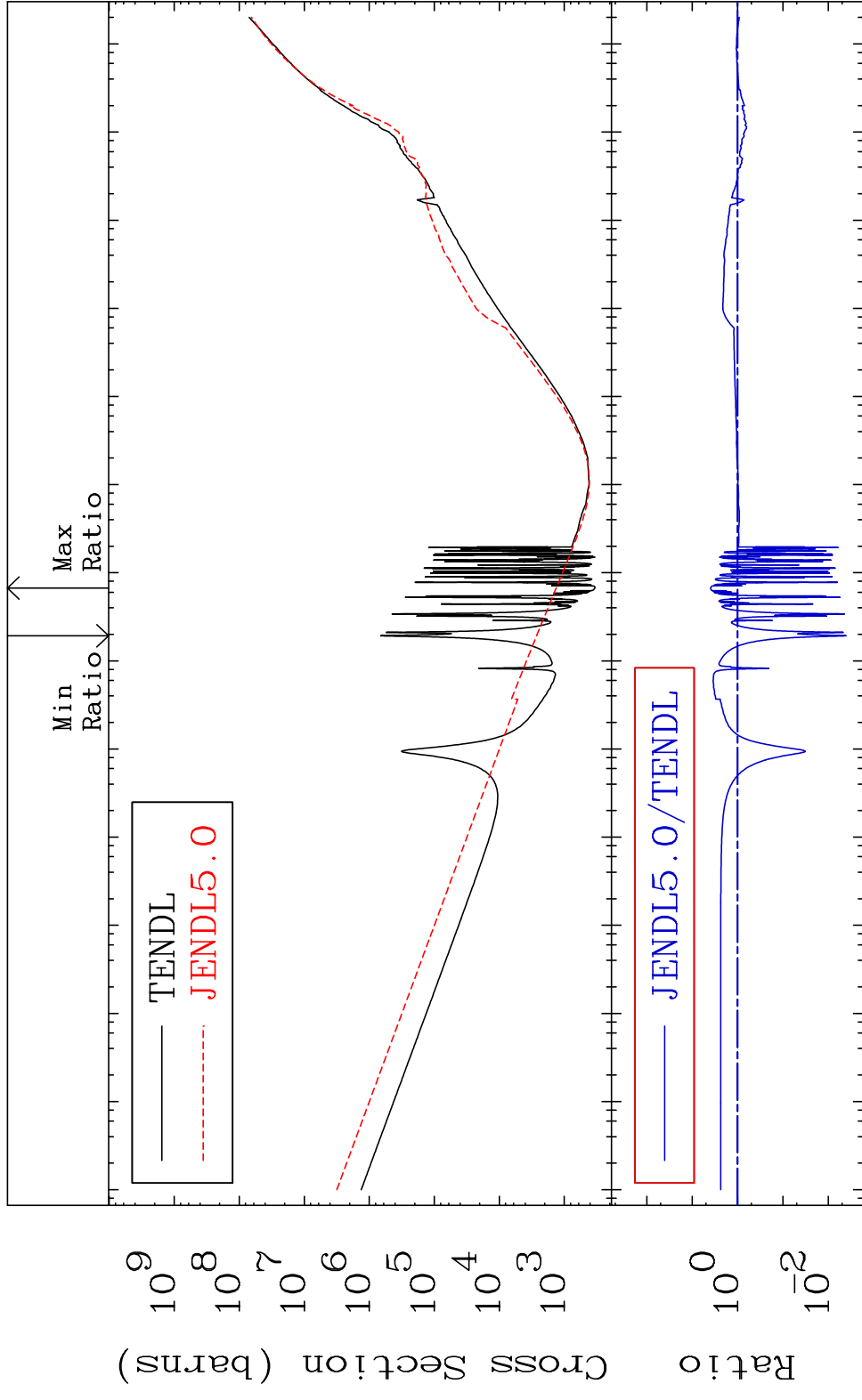


47

Incident Energy (eV)

48-Cd-109

MAT 4834 Kerma total (eV-barns) 48-Cd-109
 Cross Section -99.60 To 292.4 %

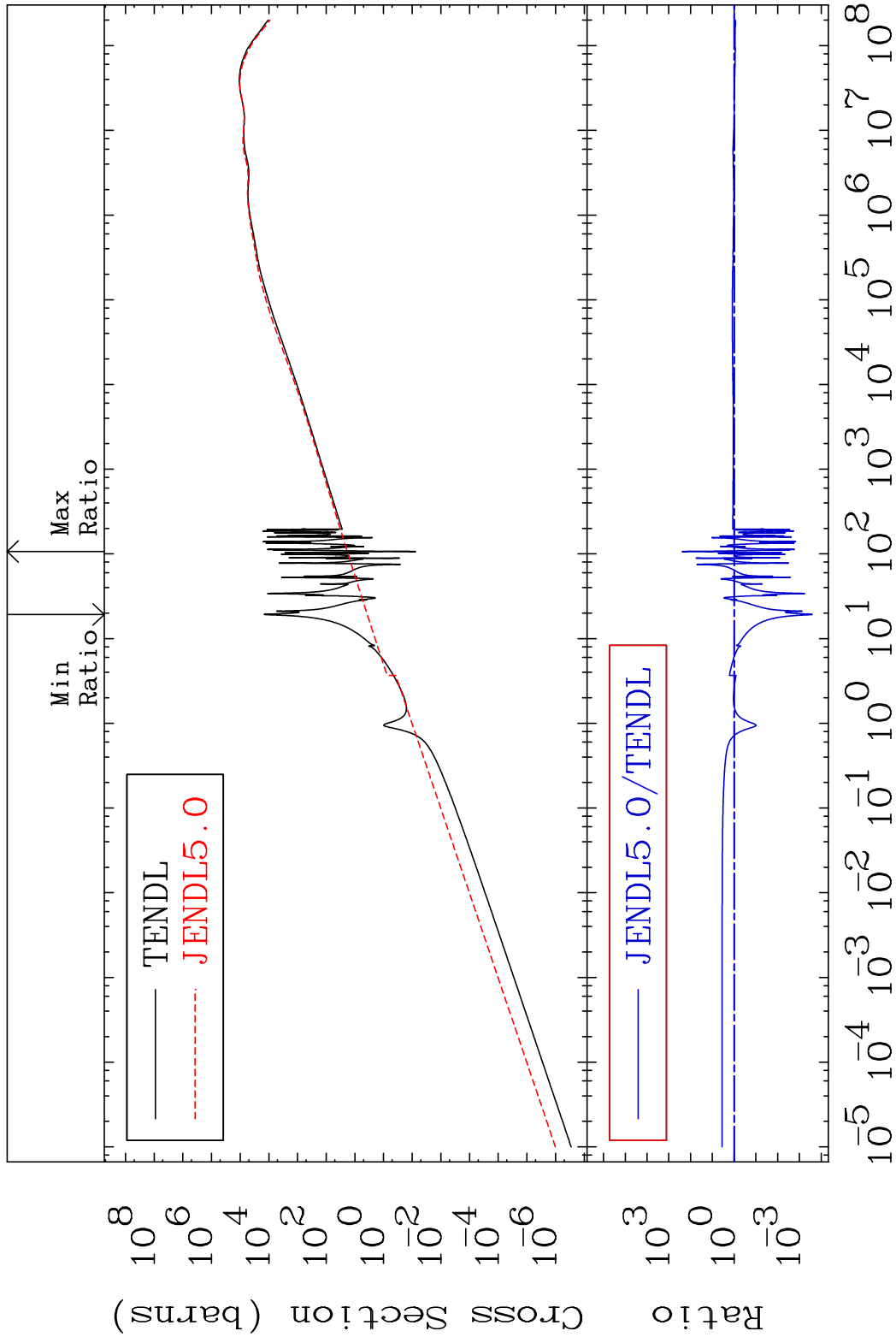


MAT 4834

Kerma elastic

48-Cd-109

Cross Section -99.97 To 9999. %

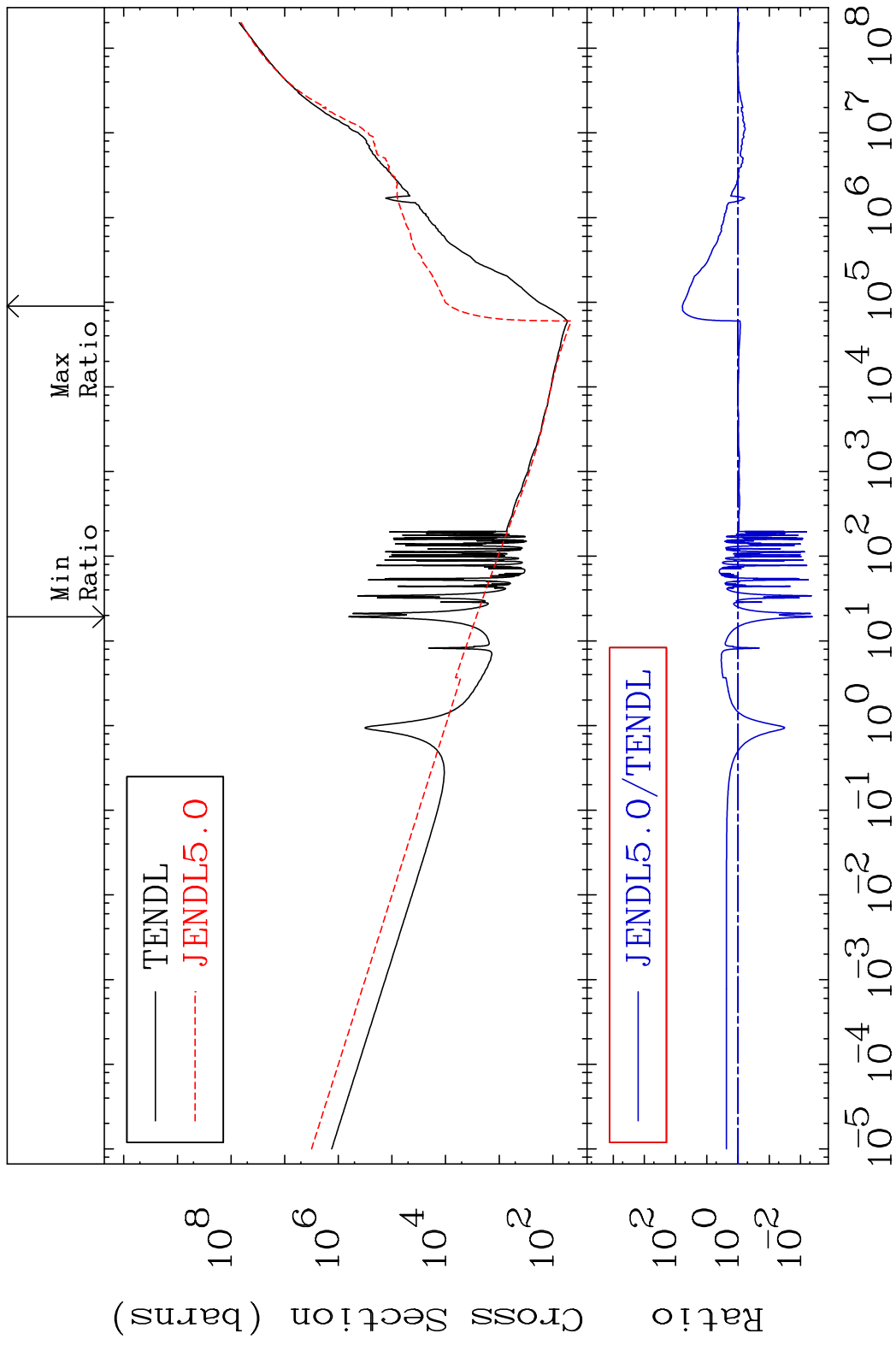


49

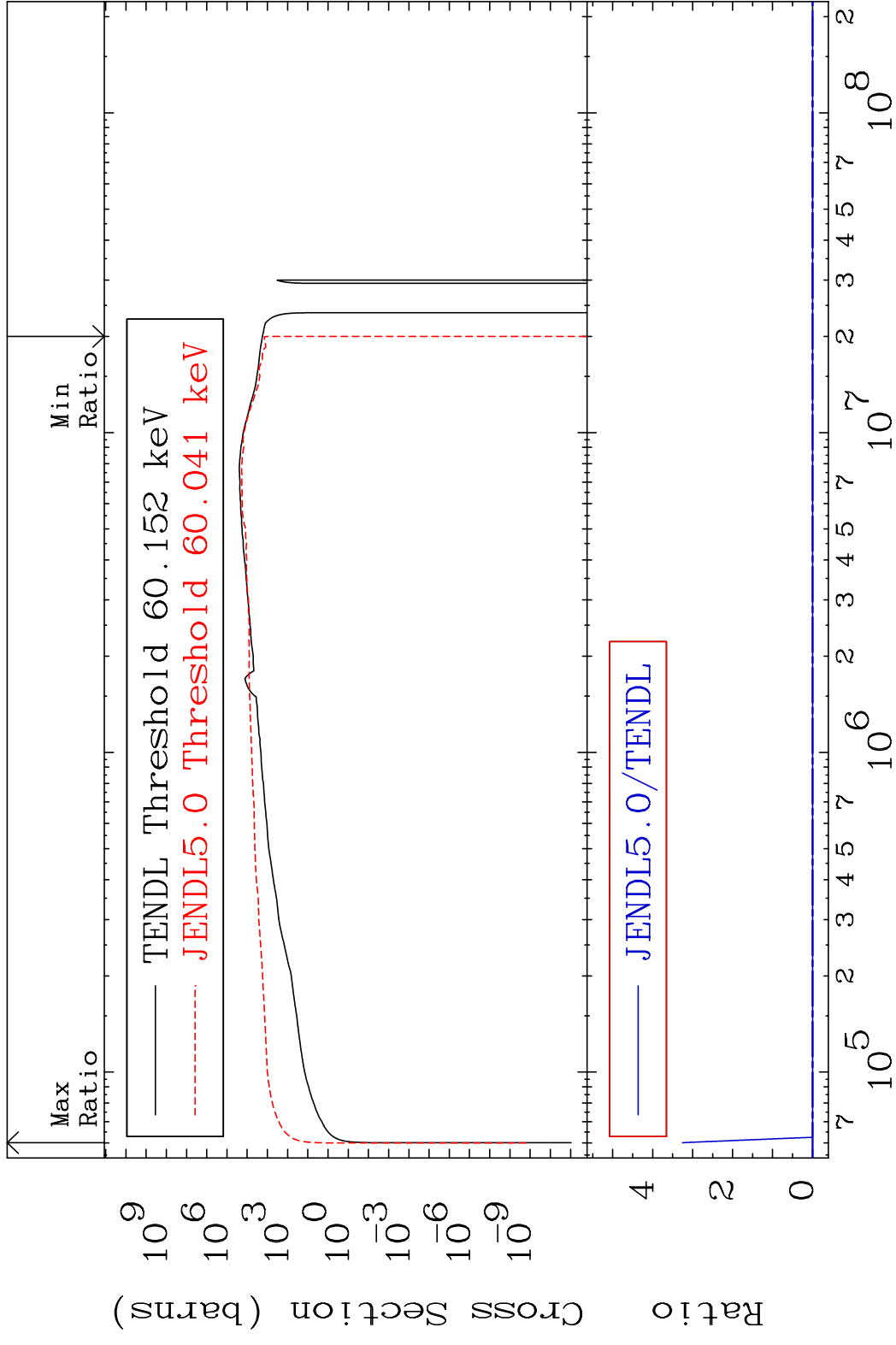
Incident Energy (eV)

48-Cd-109

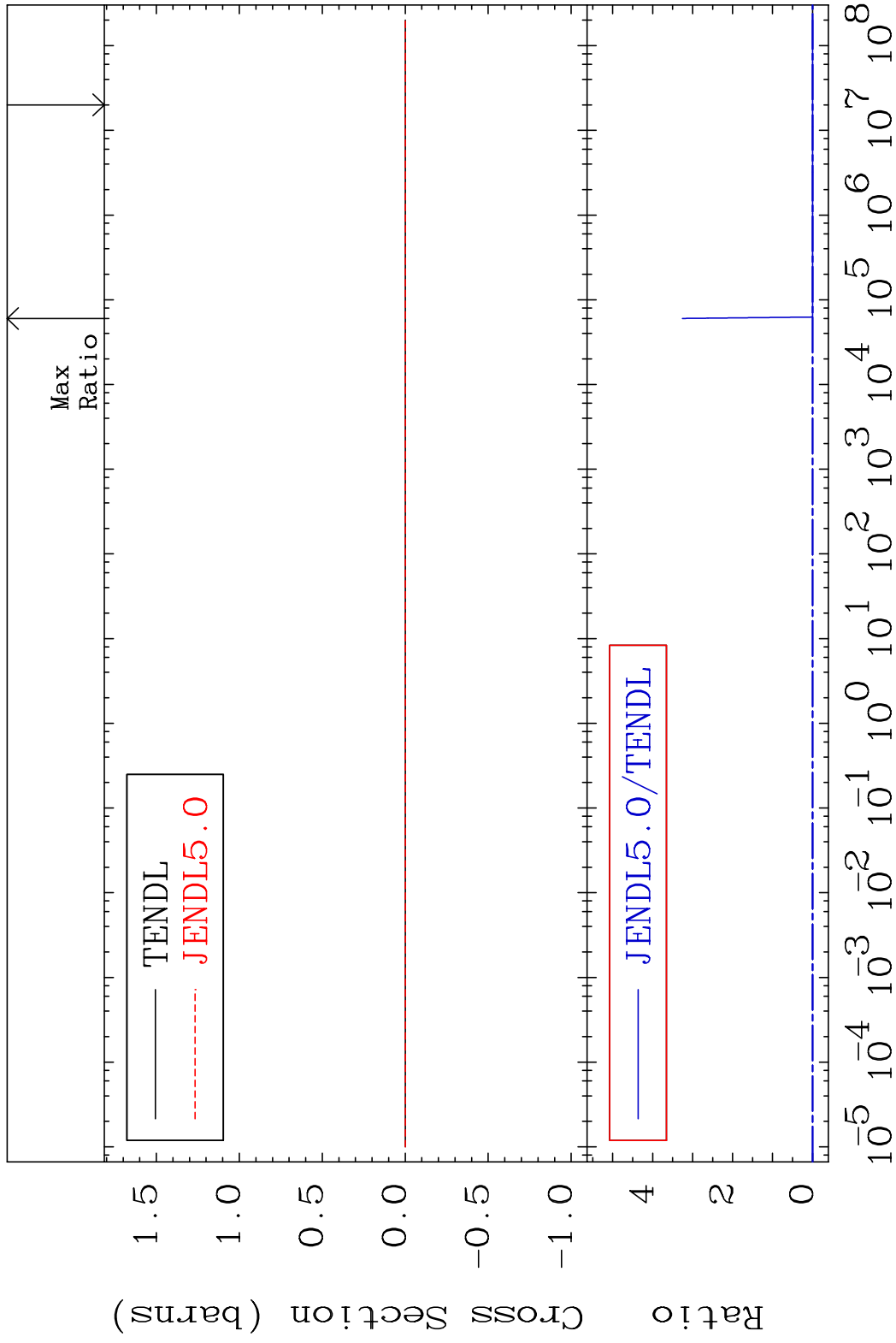
MAT 4834 Kerma non-elastic (all but mt2) 48-Cd-109
 Cross Section -99.59 To 5985. %



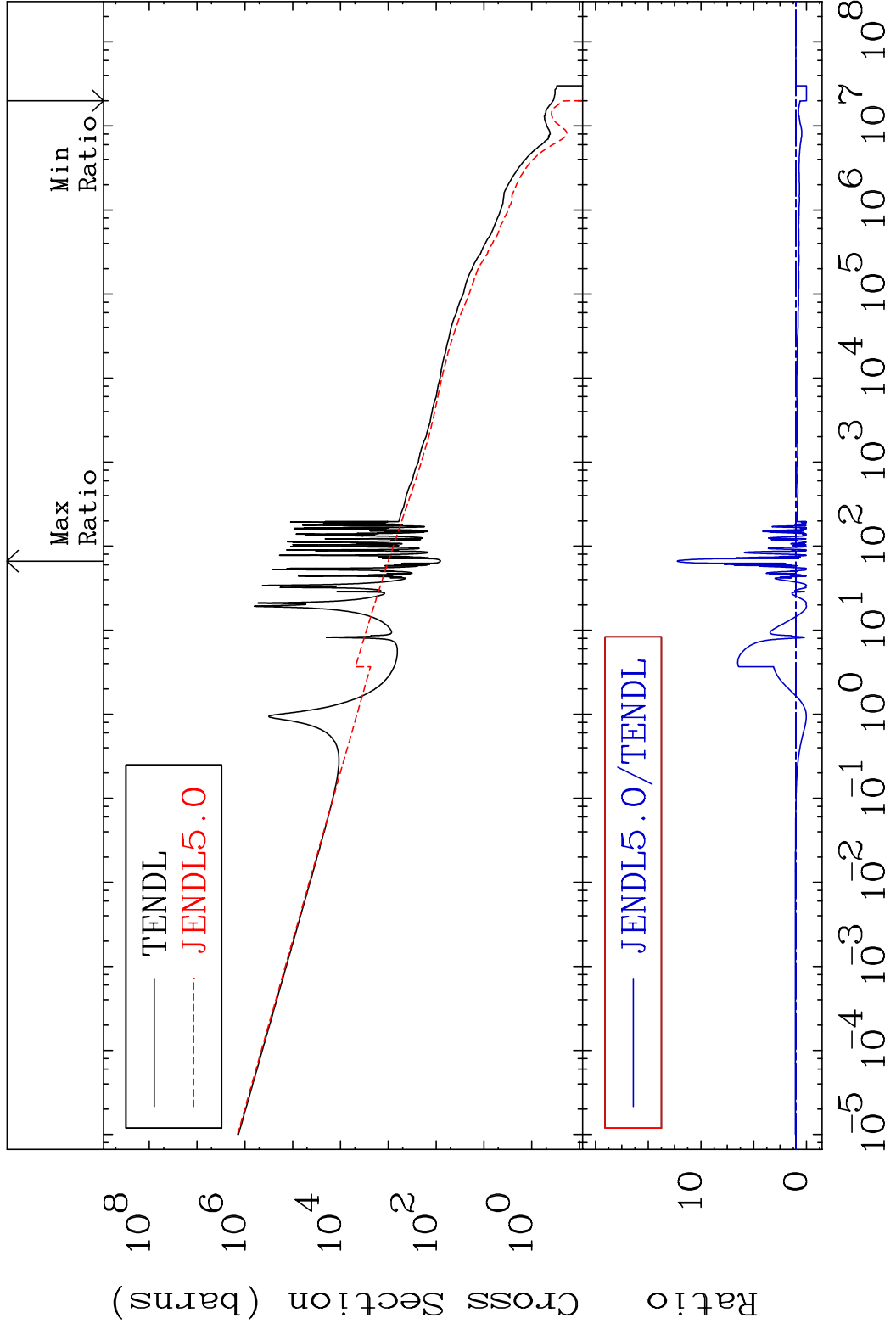
MAT 4834 Kerma inelastic (mt51-91) 48-Cd-109
 Cross Section -100.0 To 9999. %



MAT 4834 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-109
 Cross Section -100.0 To 9999. %

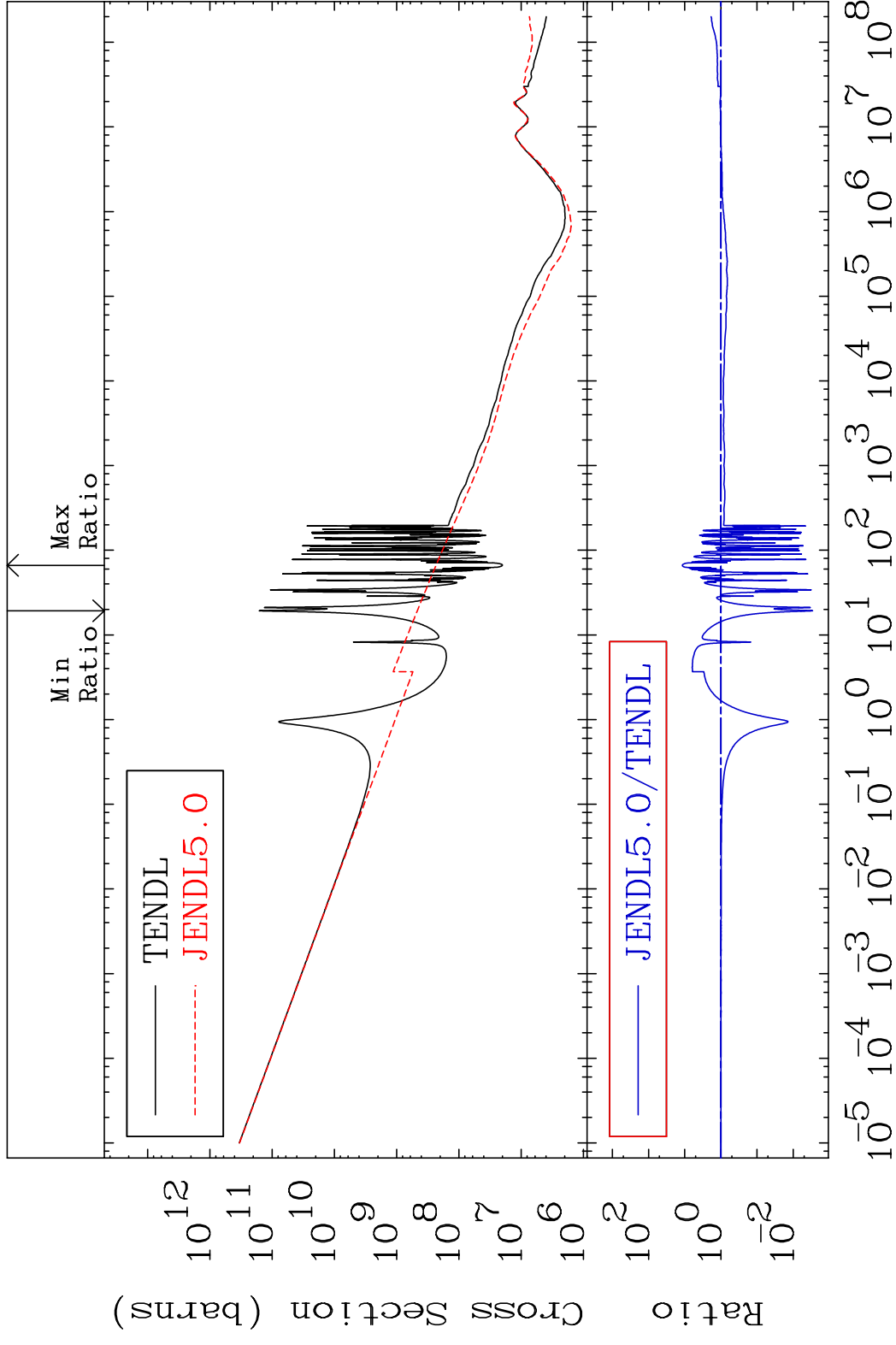


MAT 4834 Kerma capture (mt102) 48-Cd-109
 Cross Section -100.0 To 1125. %



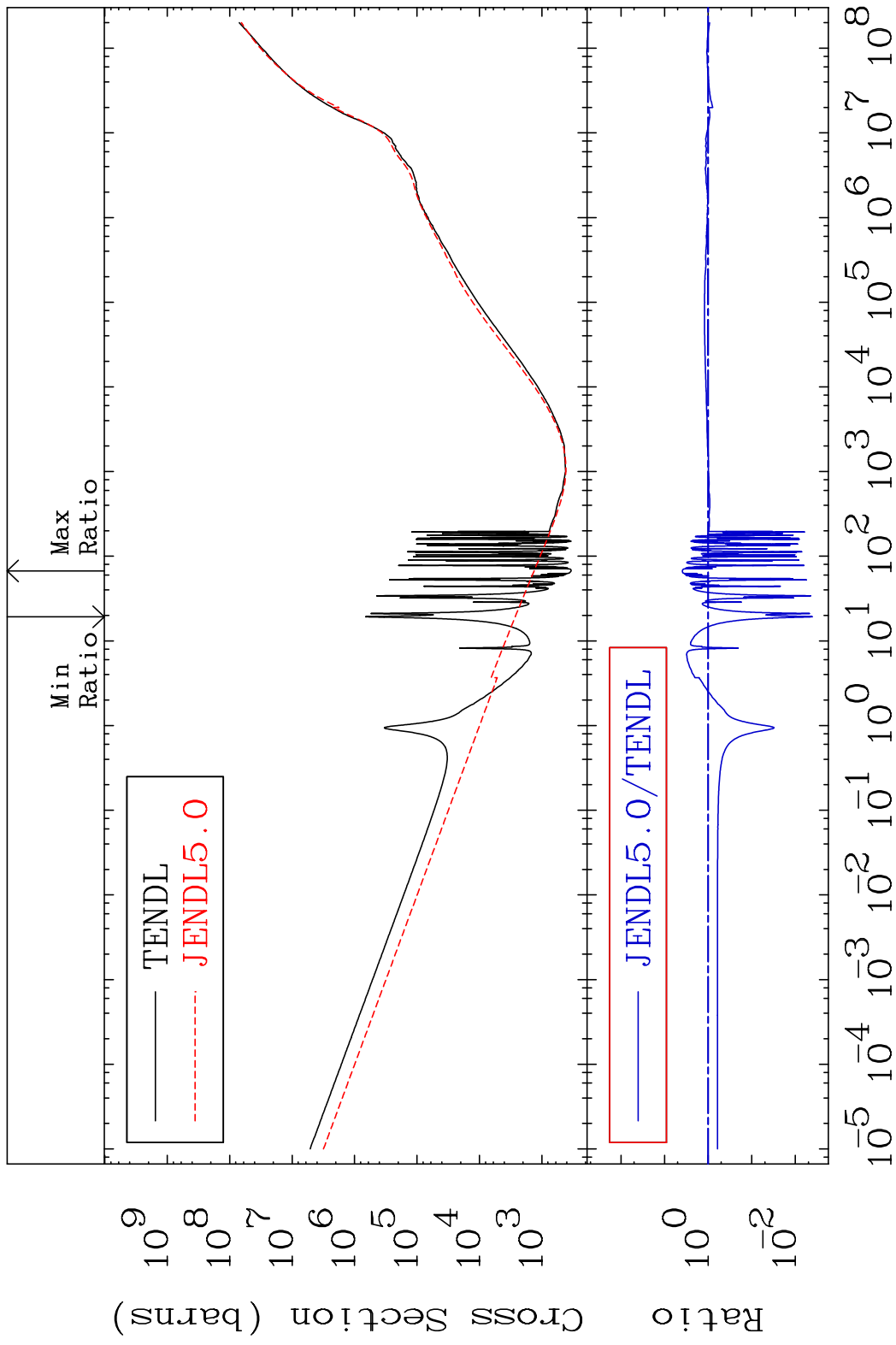
53 Incident Energy (eV) 48-Cd-109

MAT 4834 Total photon (eV-barns) 48-Cd-109
 Cross Section -99.71 To 1061. %

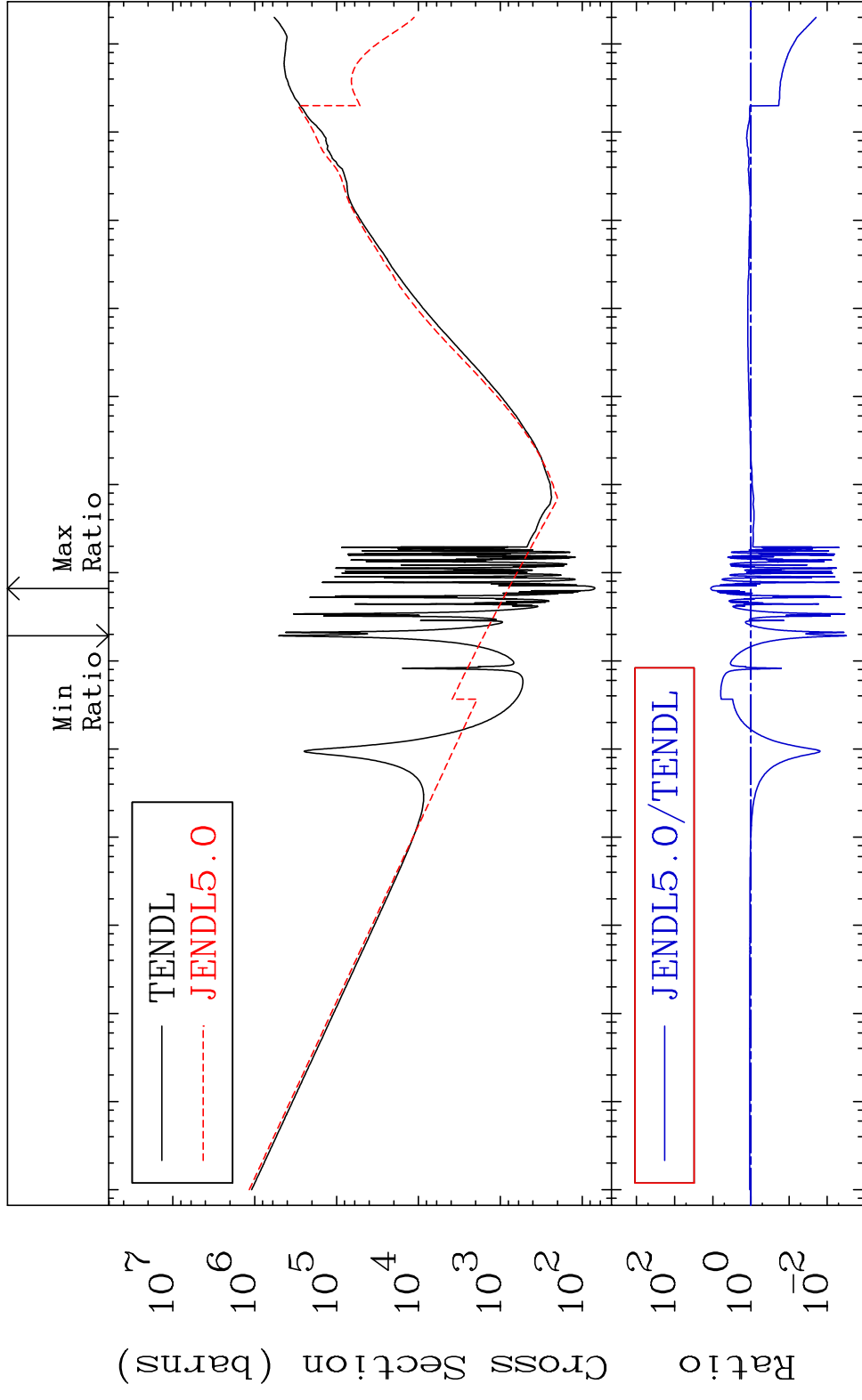


54 Incident Energy (eV) 48-Cd-109

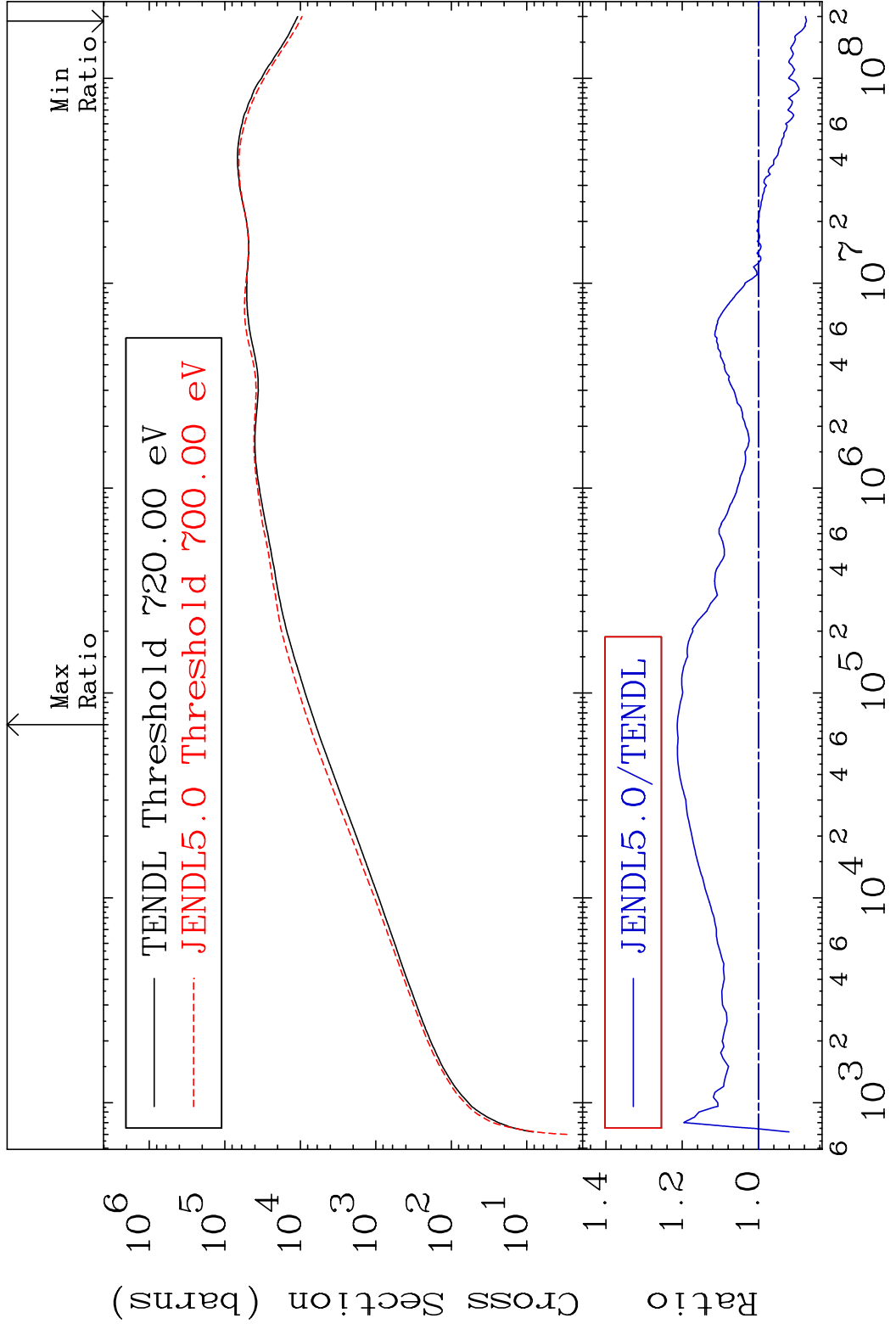
MAT 4834 Total kinematic kerma (high limit) 48-Cd-109
Cross Section -99.60 To 290.4 %



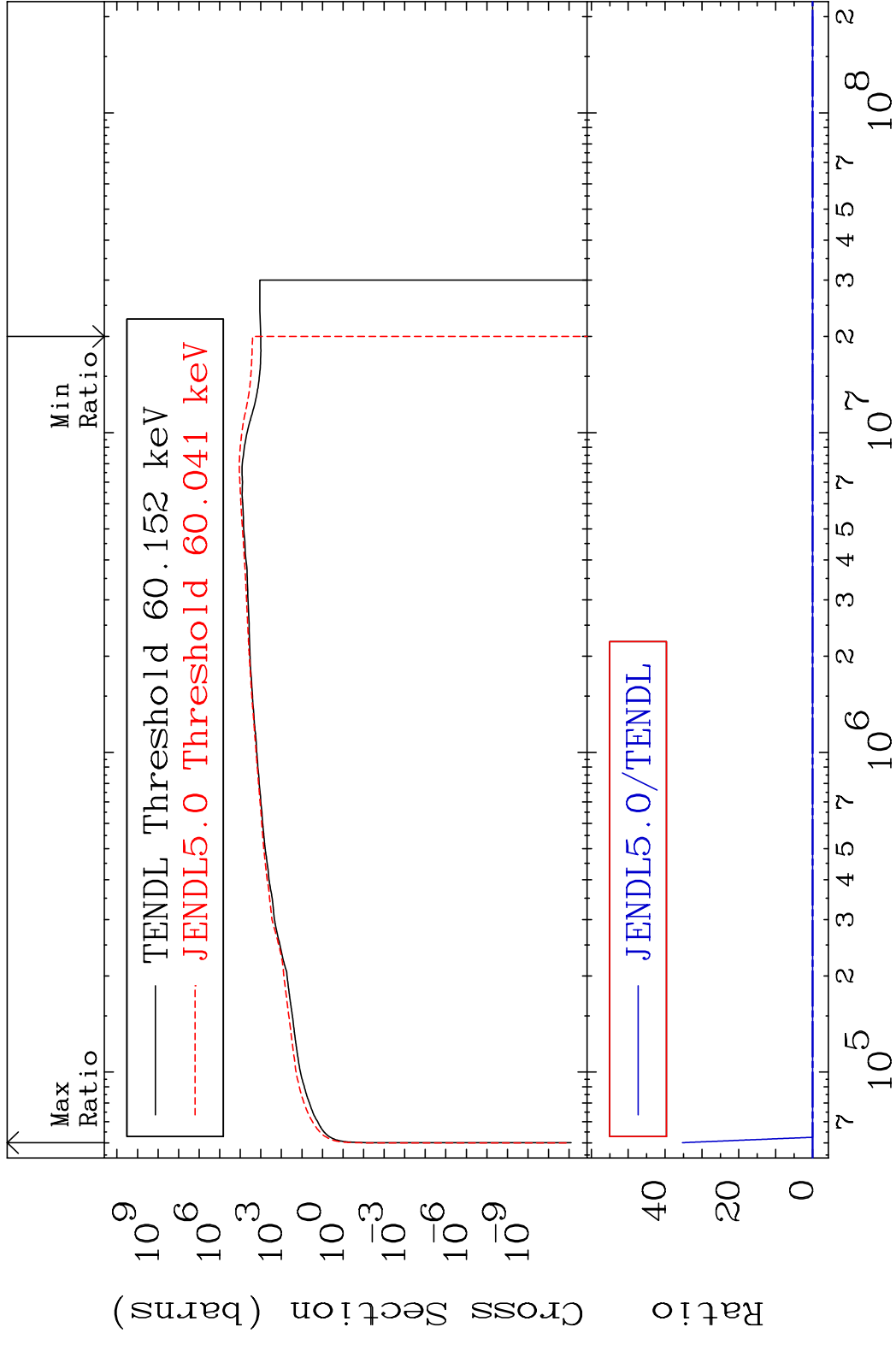
MAT 4834 Dpa total (eV-barns) 48-Cd-109
 Cross Section -99.69 To 1033. %



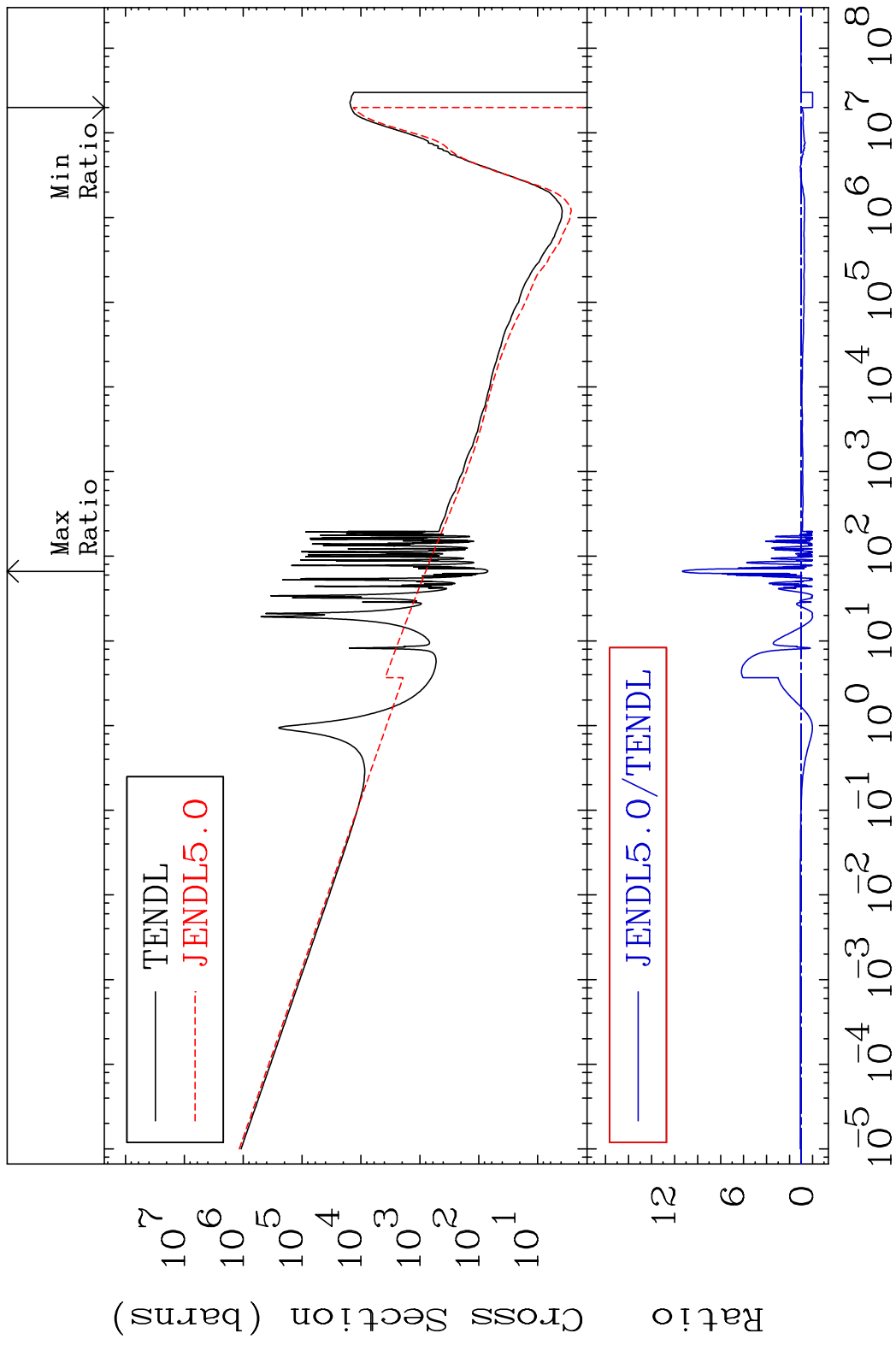
MAT 4834 Dpa elastic (mt2) 48-Cd-109
 Cross Section -12.49 To 21.34 %



MAT 4834 Dpa inelastic (mt51-91) 48-Cd-109
 Cross Section -100.0 To 9999. %

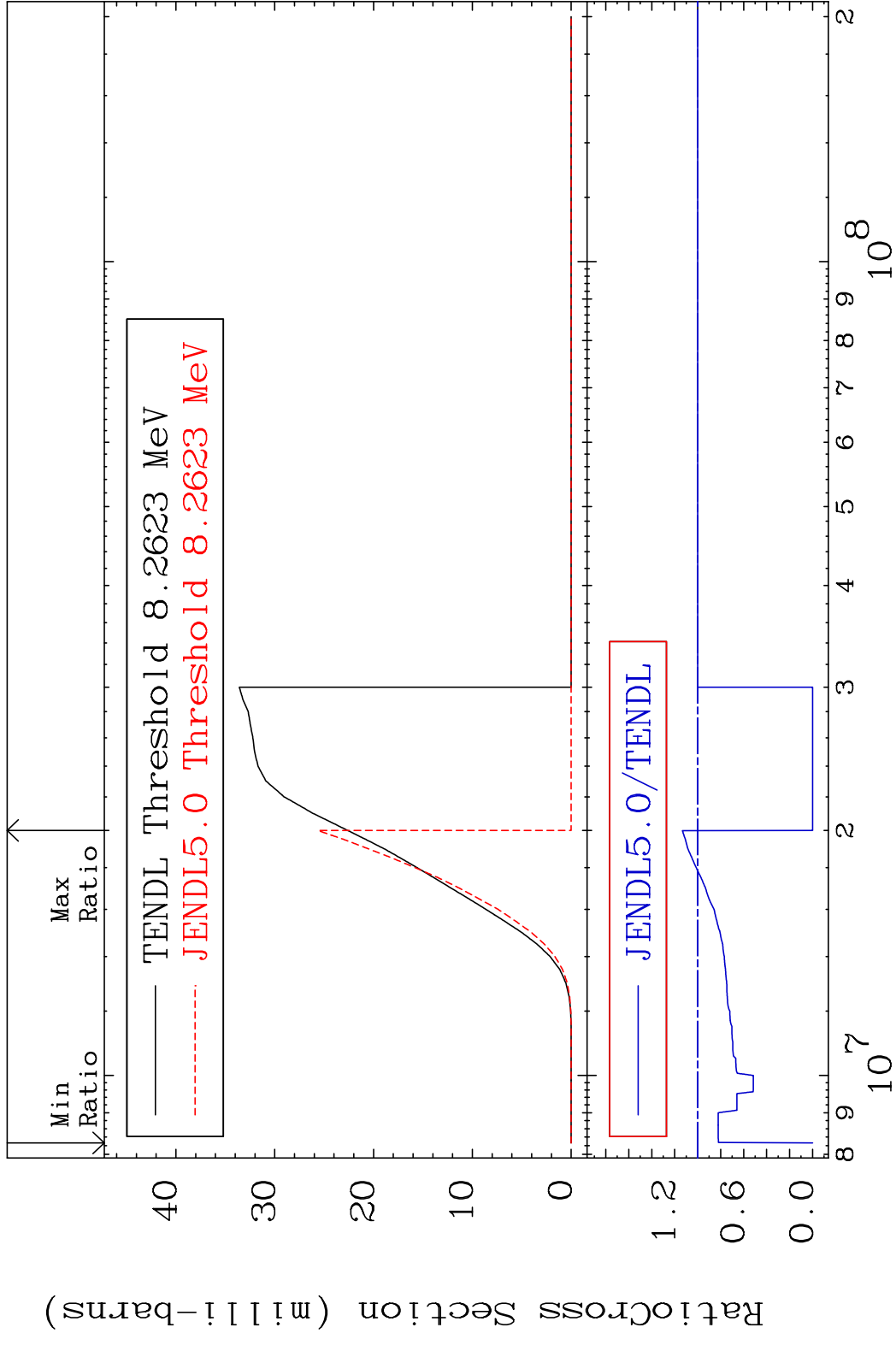


MAT 4834 Dpa disappearance (mt102 -120) 48-Cd-109
 Cross Section -100.0 To 1033. %

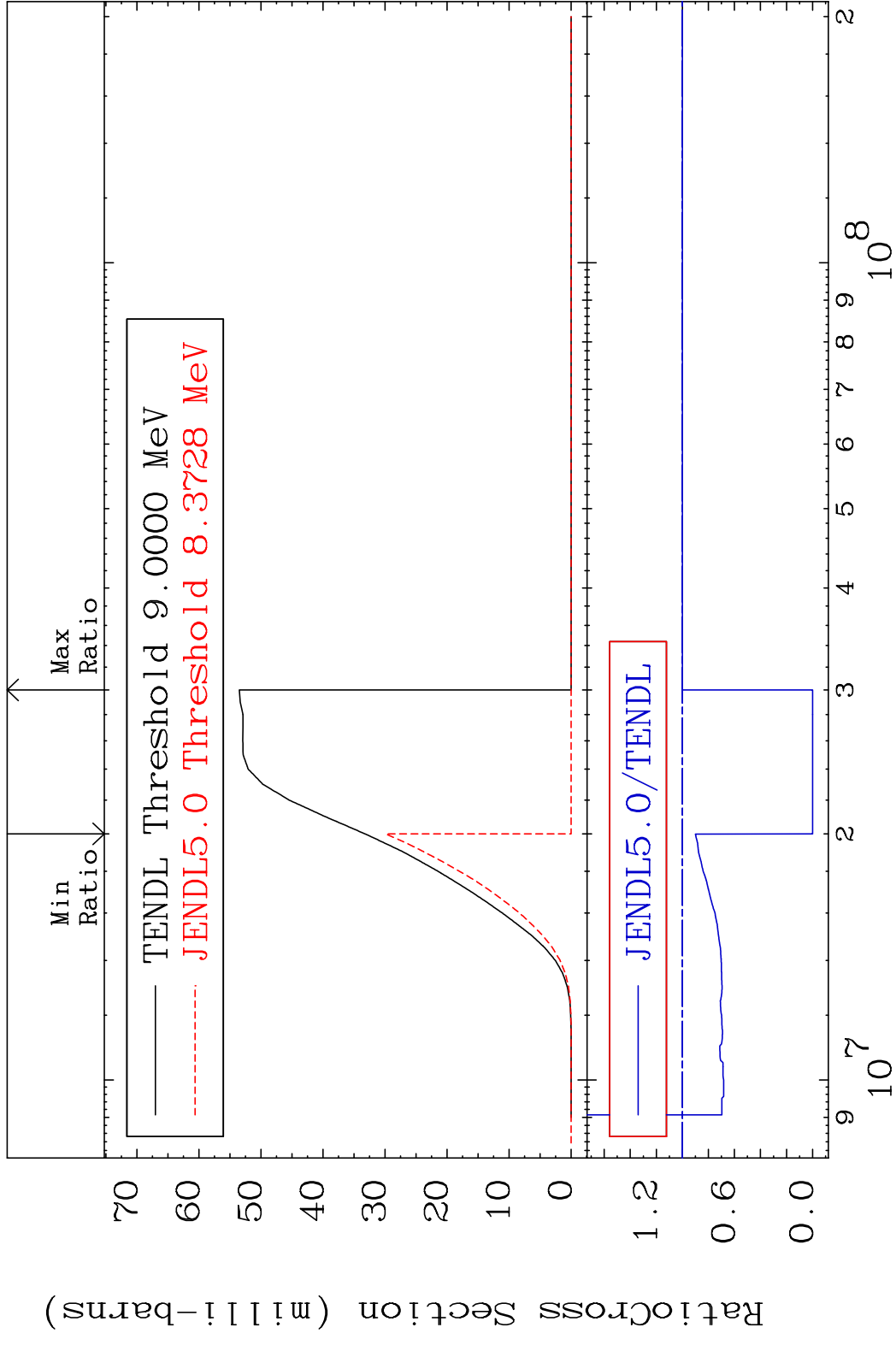


59 Incident Energy (eV) 48-Cd-109

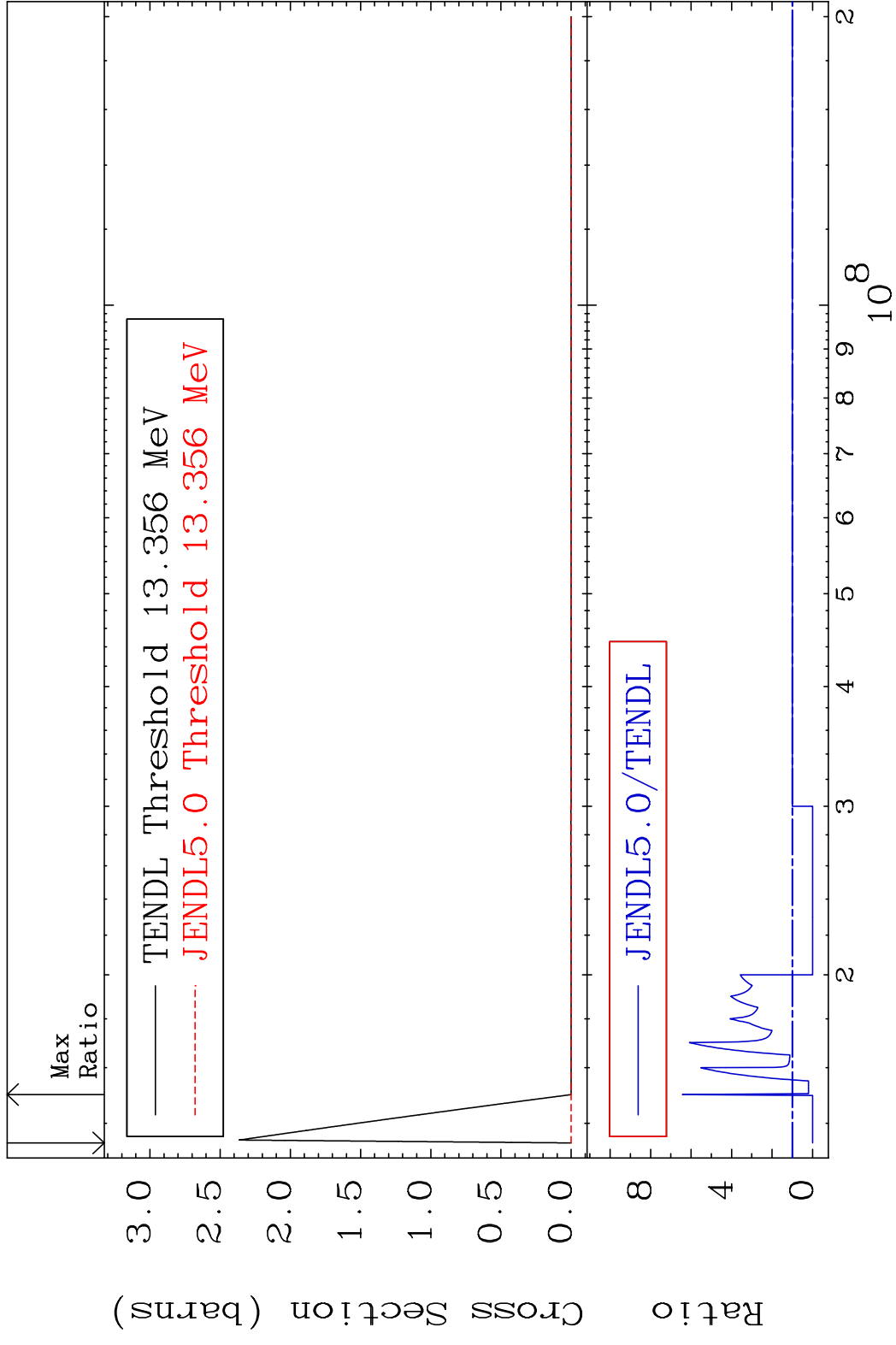
MAT 4834 (n, n') p:47-Ag-108g 48-Cd-109
 Radionuclide Production Cross Section 13.34 %

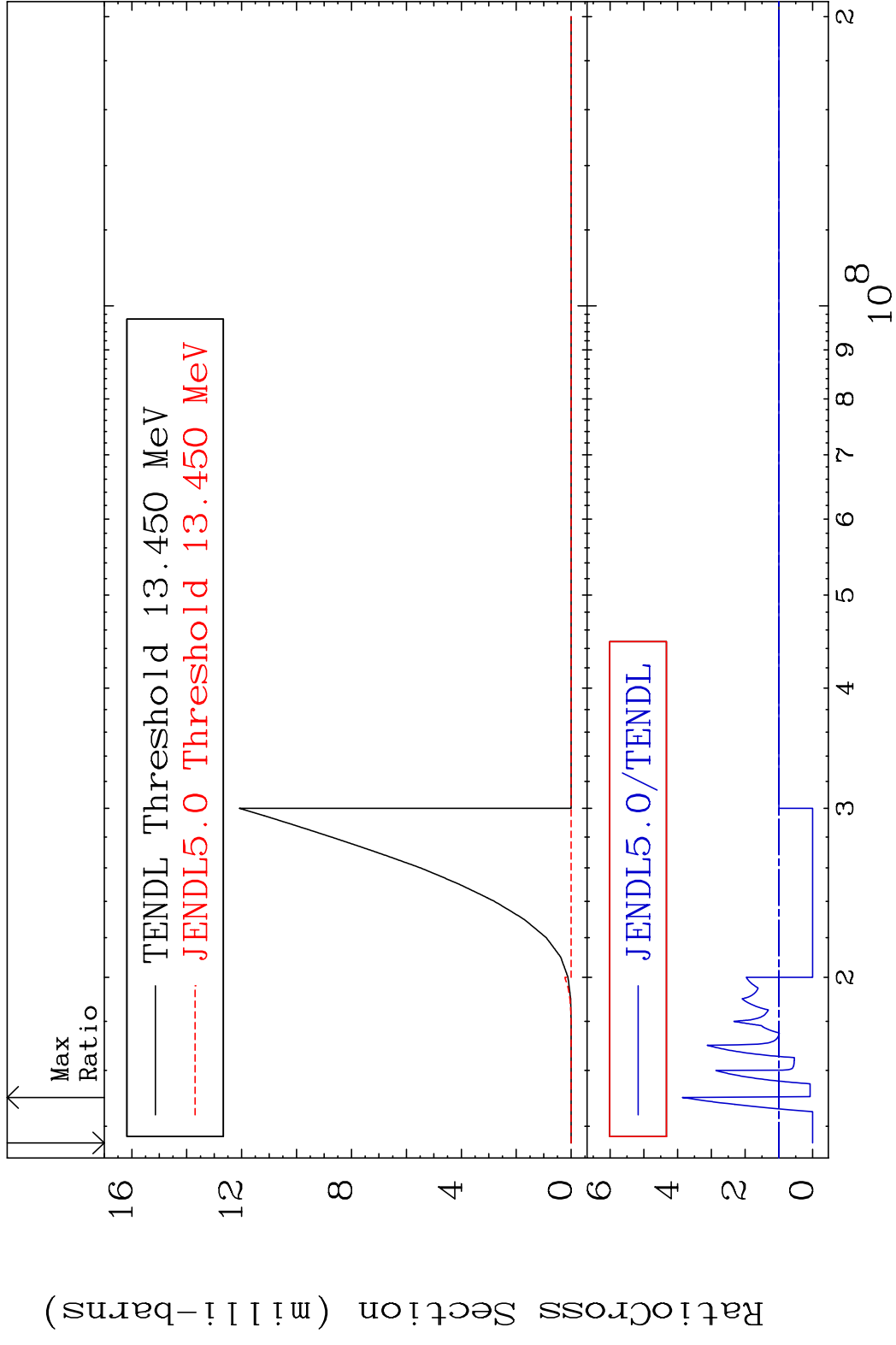


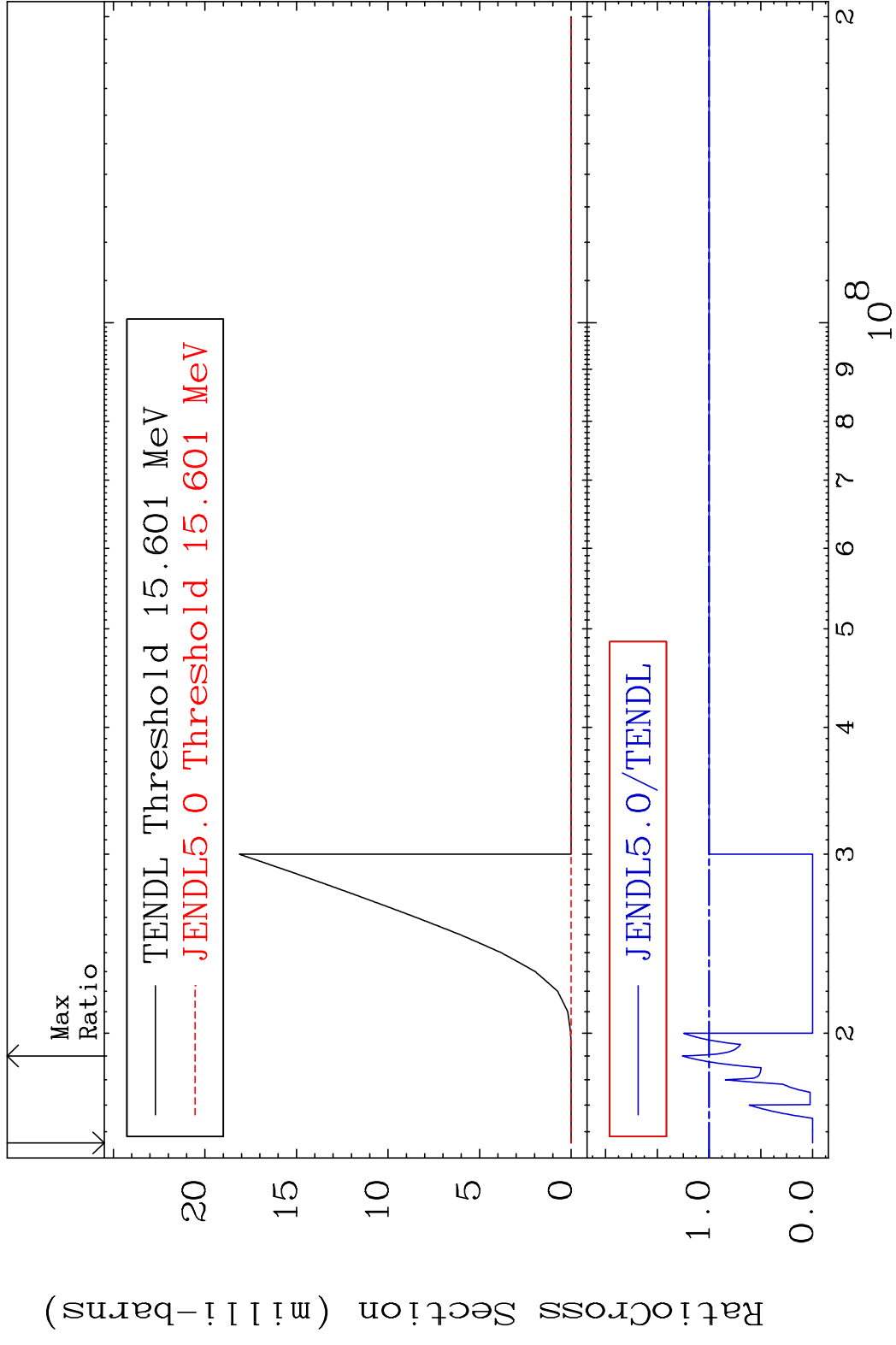
60 Incident Energy (eV) 48-Cd-109

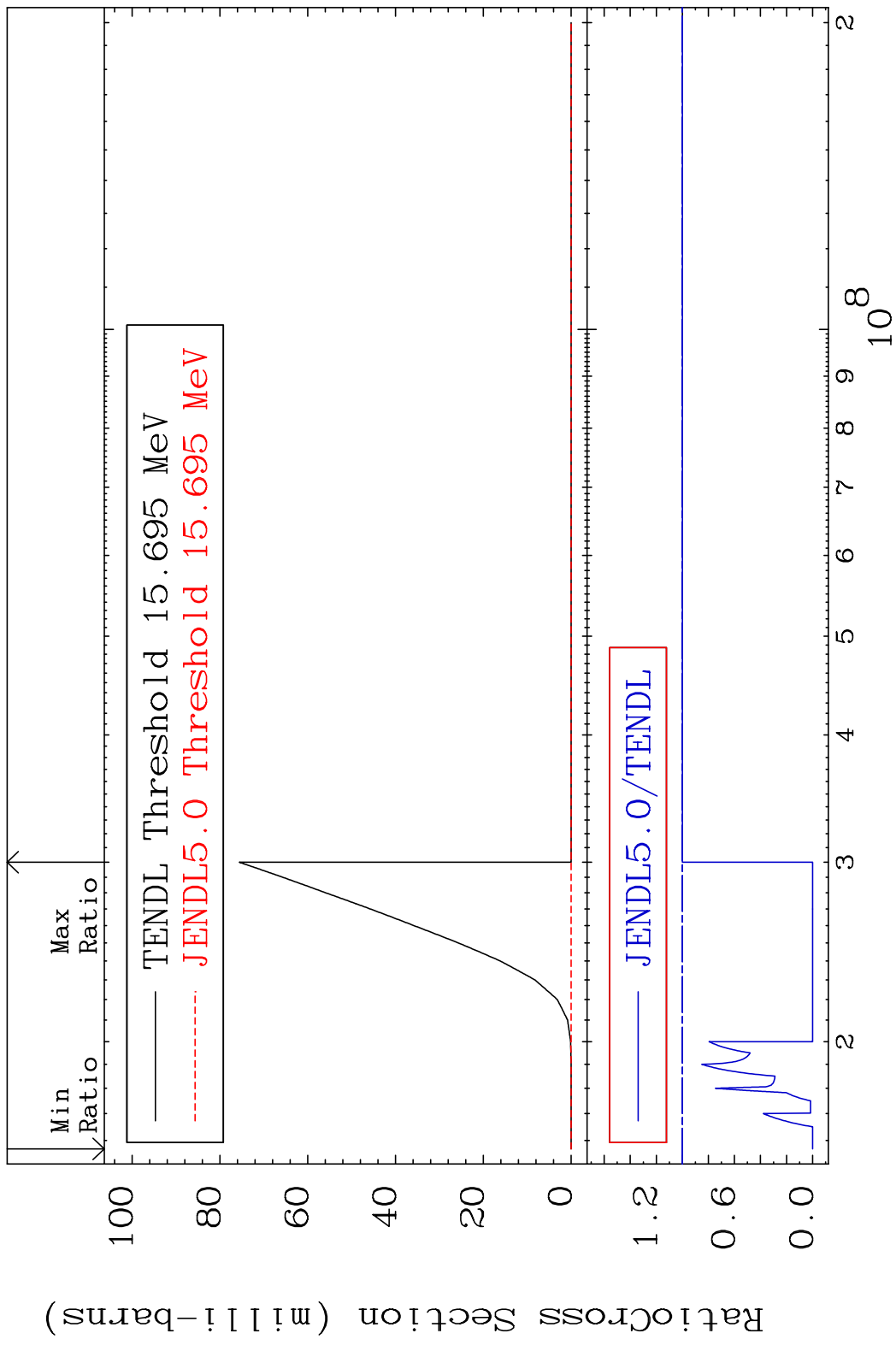


MAT 4834 (n, n') d:47-Ag-107g 48-Cd-109
 Radionuclide Production Cross Section 180.01 dth 543.1 %

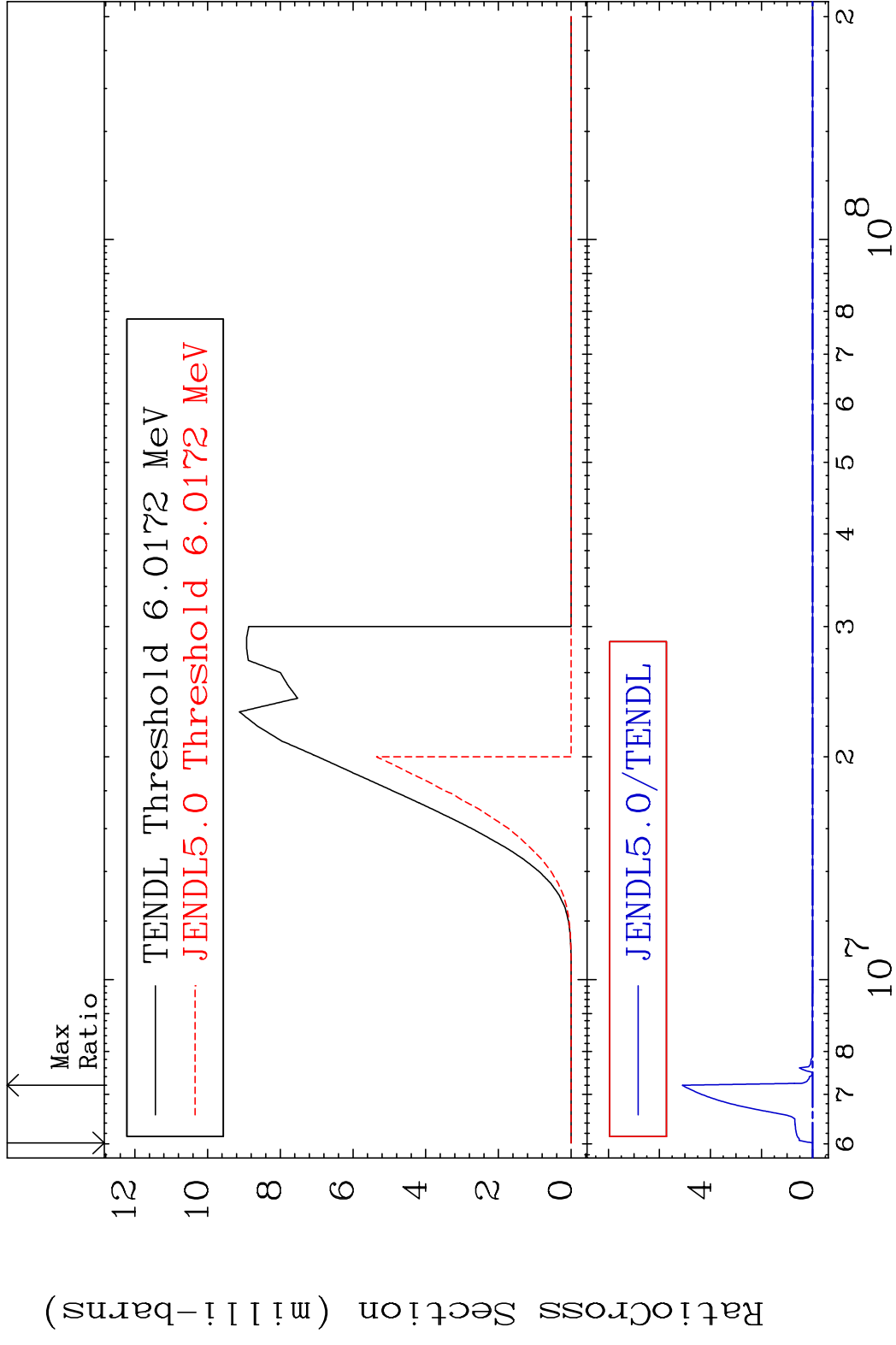




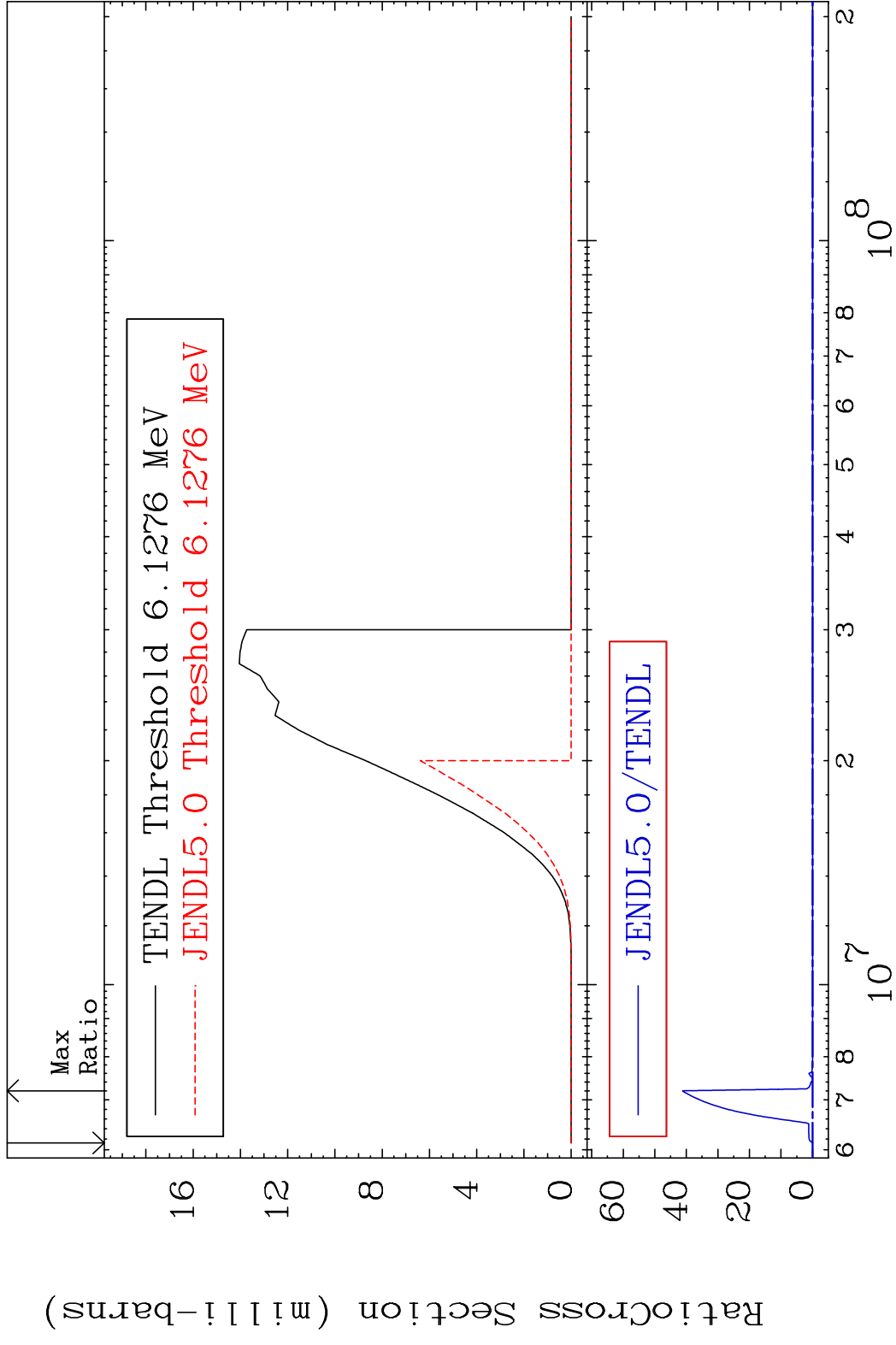




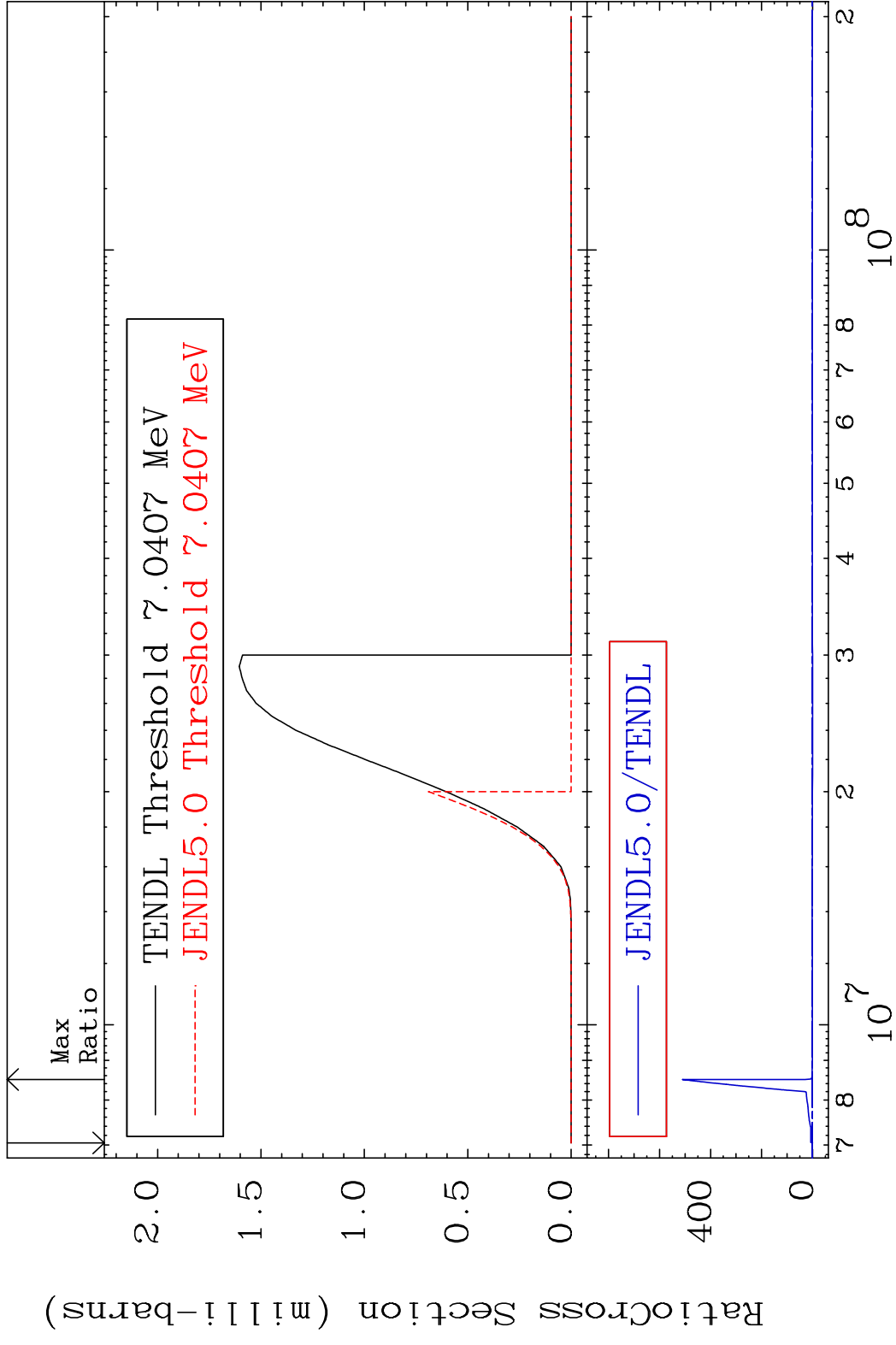
MAT 4834 (n,d):47-Ag-108g 48-Cd-109
 Radionuclide Production Cross Section 100.00 dth 9999. %



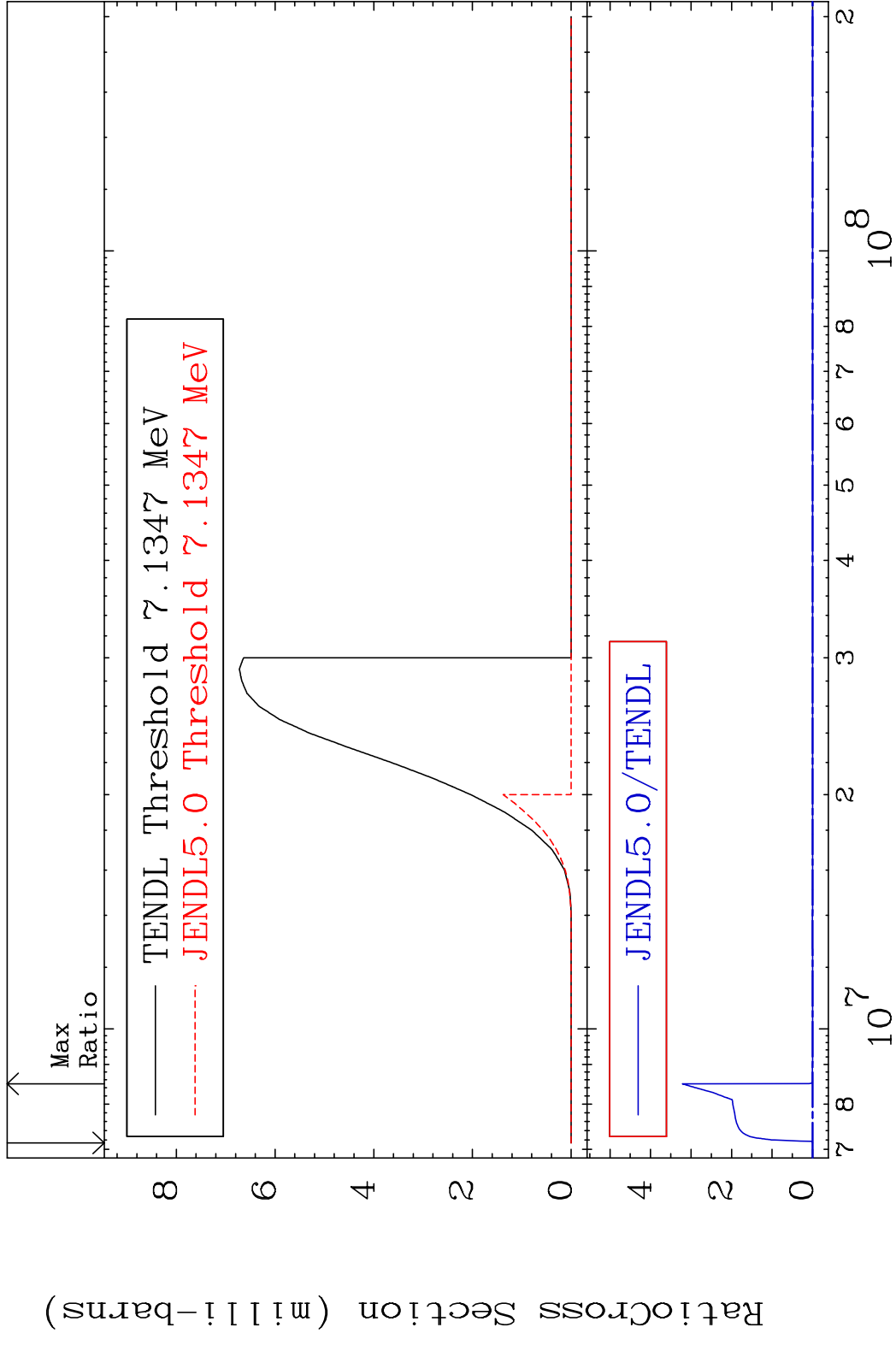
MAT 4834 (n, d): 47-Ag-108m2 48-Cd-109
 Radionuclide Production Cross Section Ratio 9999. %

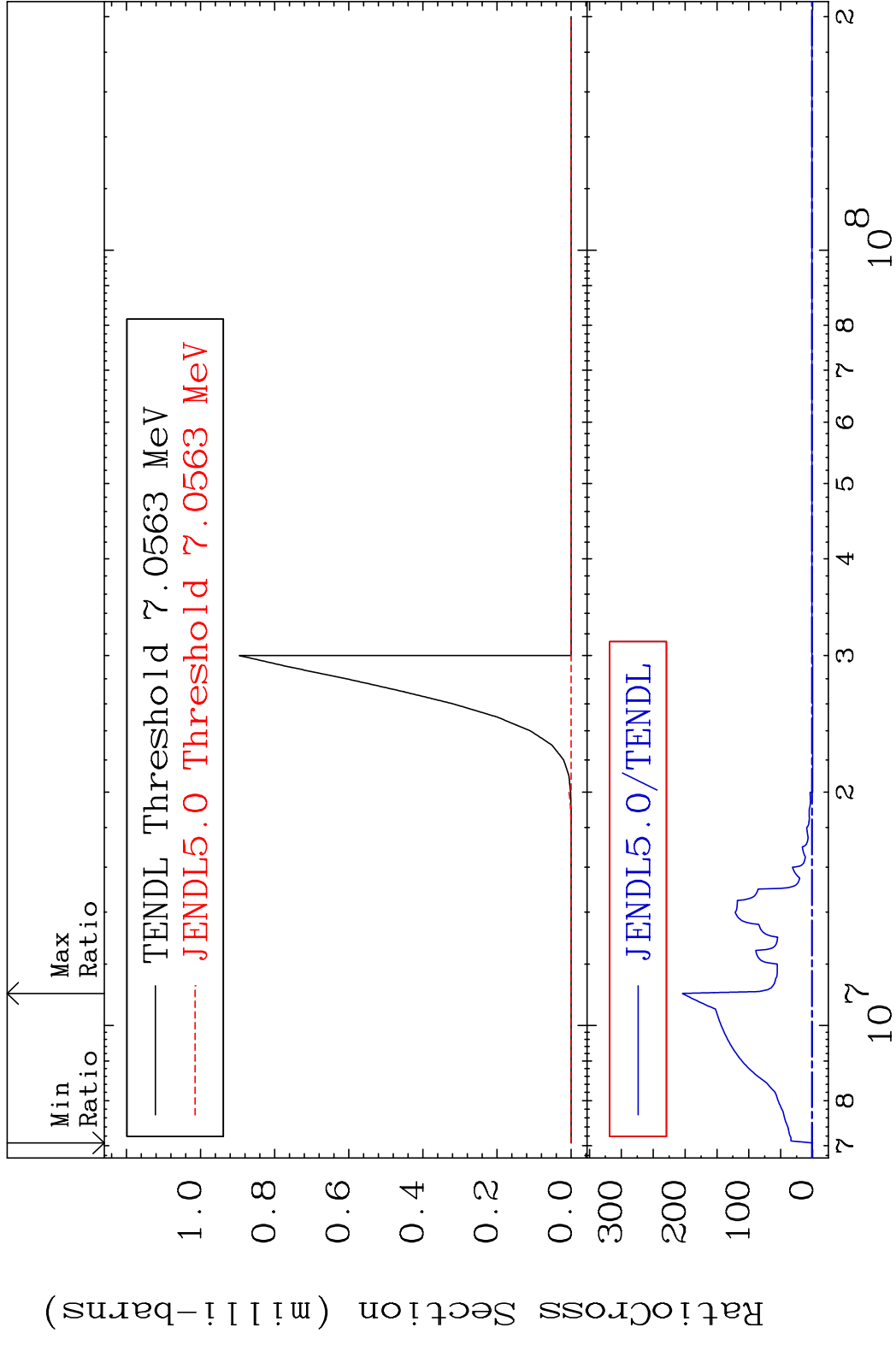


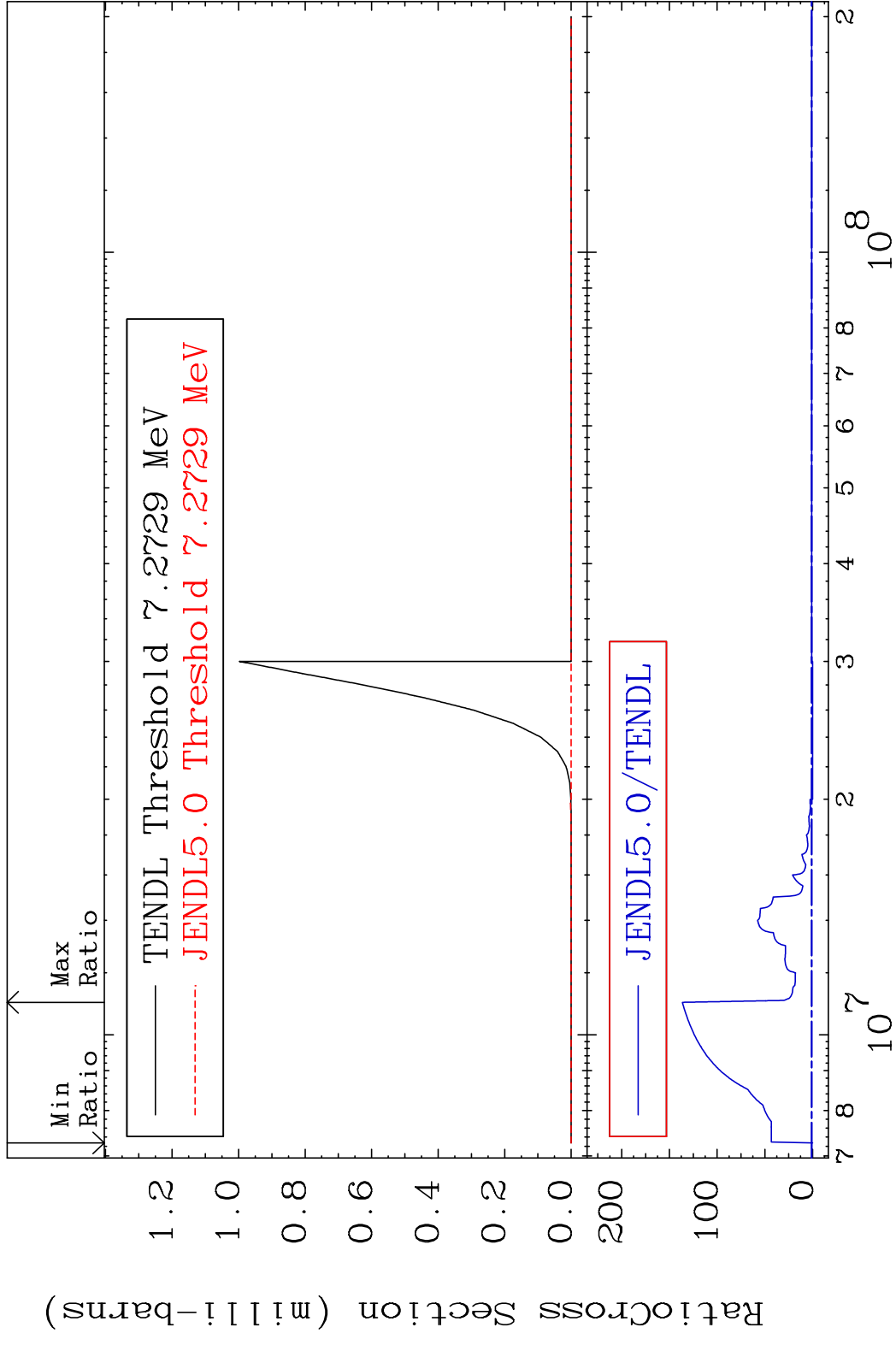
MAT 4834 (n,t):47-Ag-107g 48-Cd-109
 Radionuclide Production Cross Section Ratio 9999. %



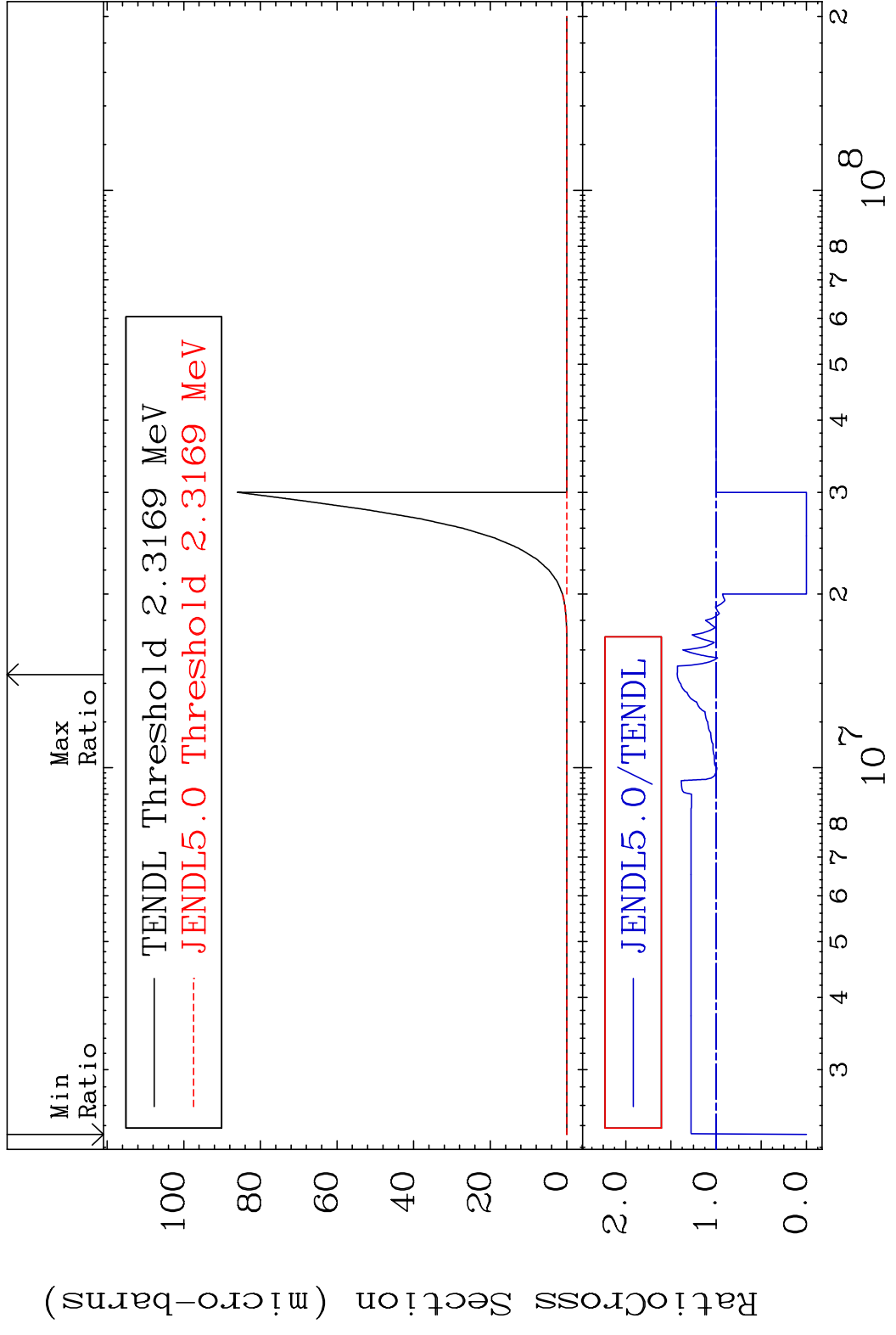
MAT 4834 (n, t): 47-Ag-107m1 48-Cd-109
 Radionuclide Production Cross Section Ratio 9999. %



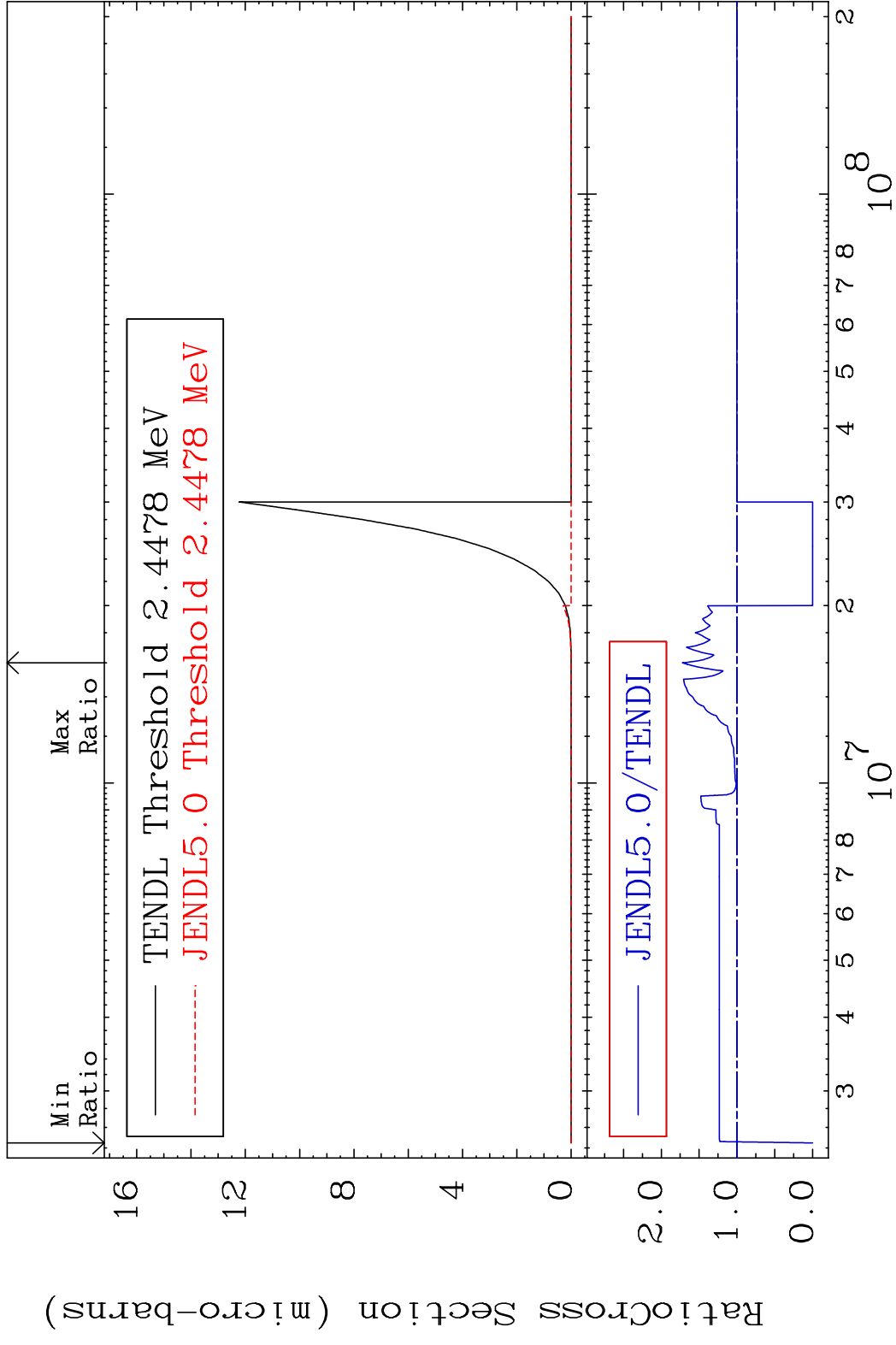




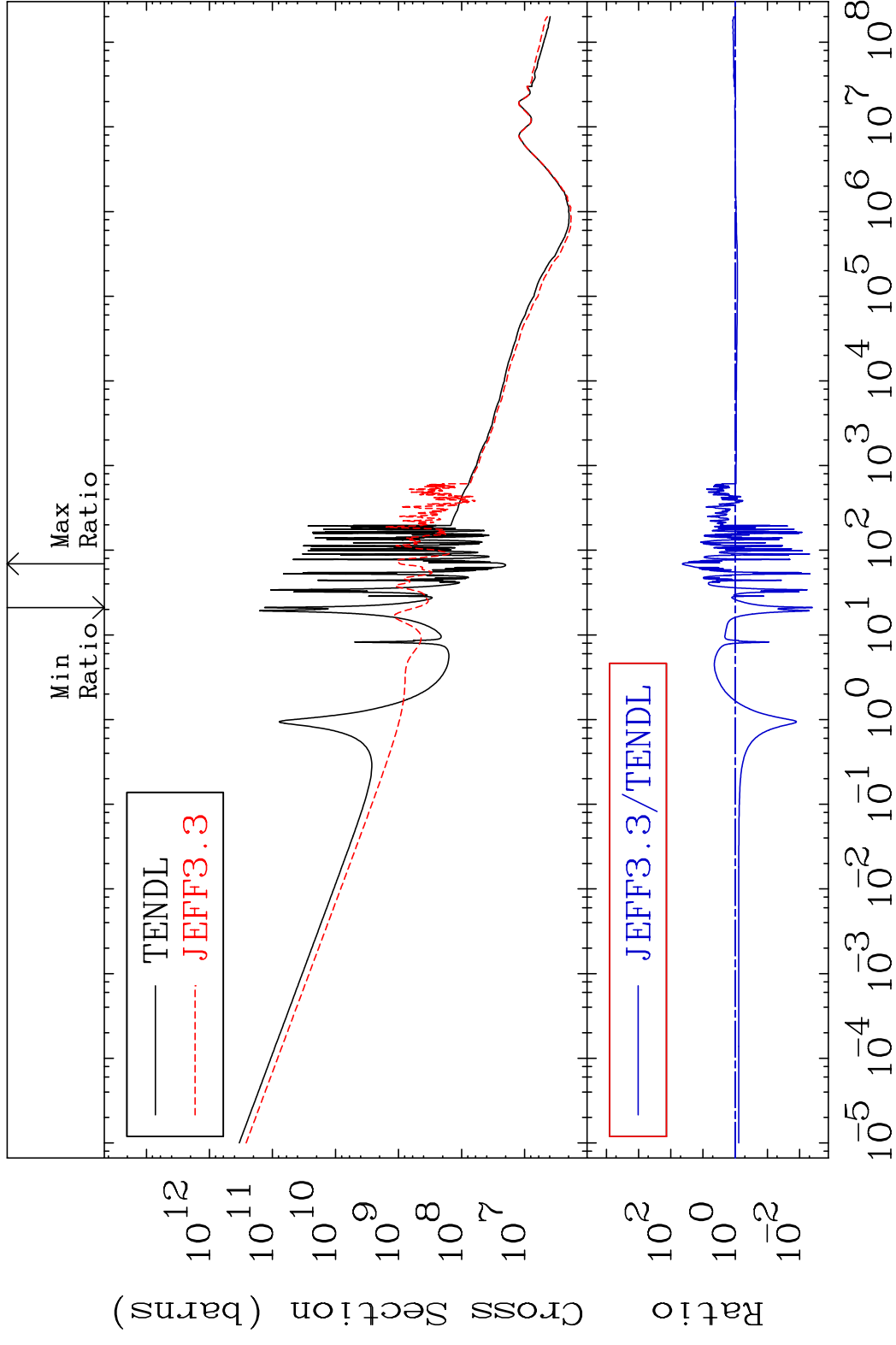
MAT 4834 (n, p) α :45-Rh-105g 48-Cd-109
 Radionuclide Production Cross Section 180.01 dth 43.11 %



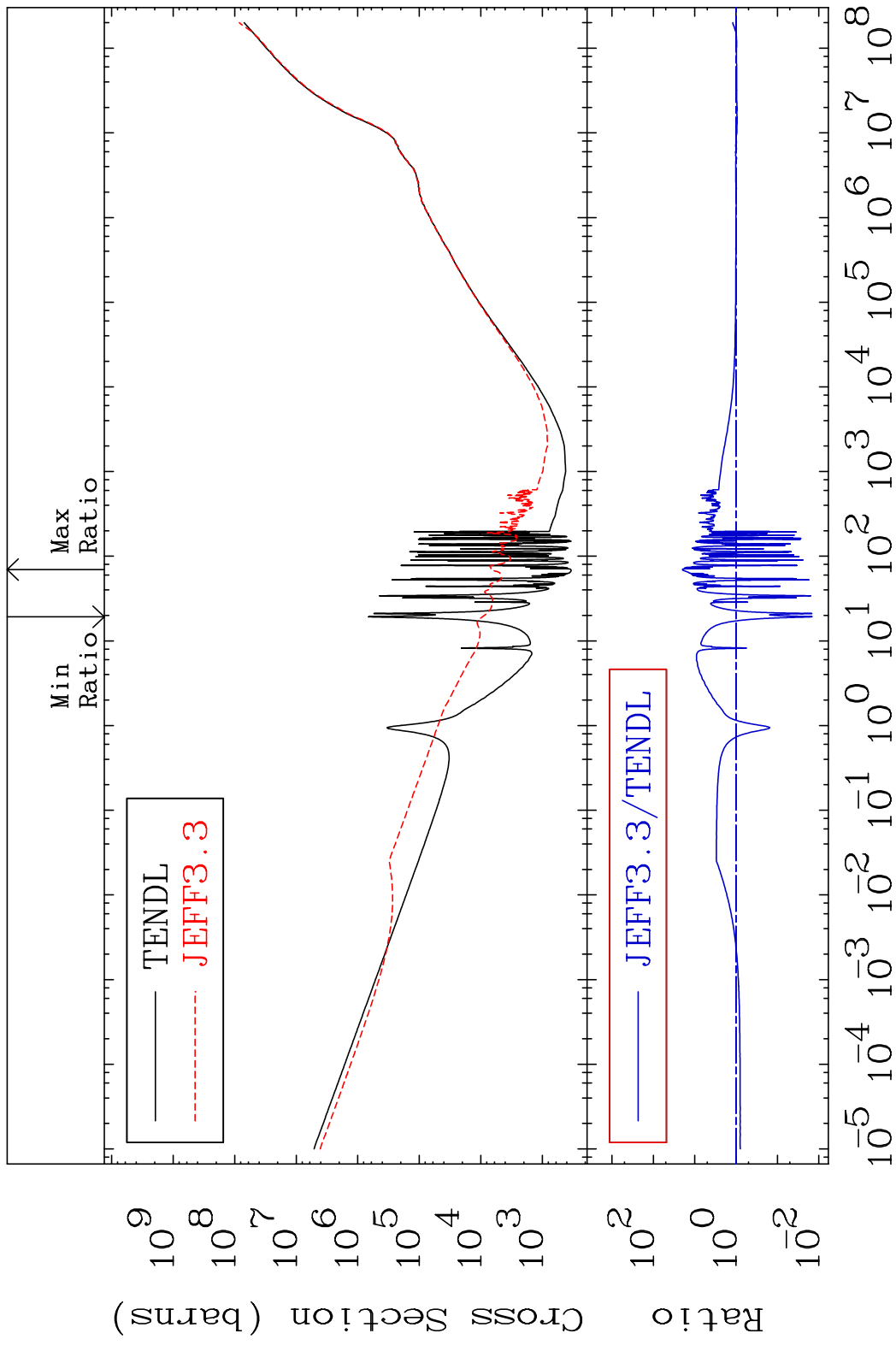
MAT 4834 (n, p) α : 45-Rh-105m1 48-Cd-109
 Radionuclide Production Cross Section Ratio 72.18 %



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. %



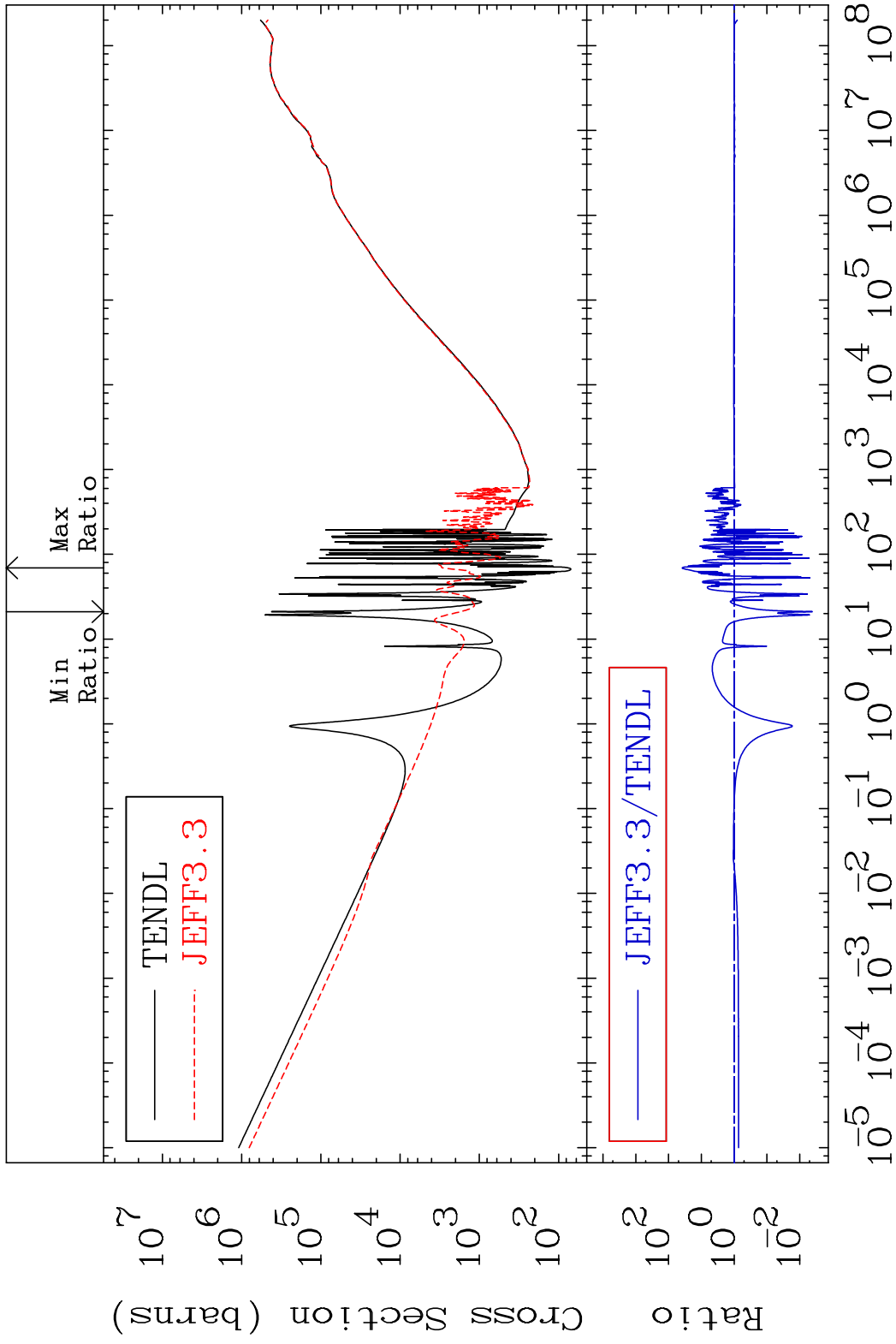
75 Incident Energy (eV) 48-Cd-109

MAT 4834

Dpa total (eV-barns)

48-Cd-109

Cross Section -99.59 To 3760. %

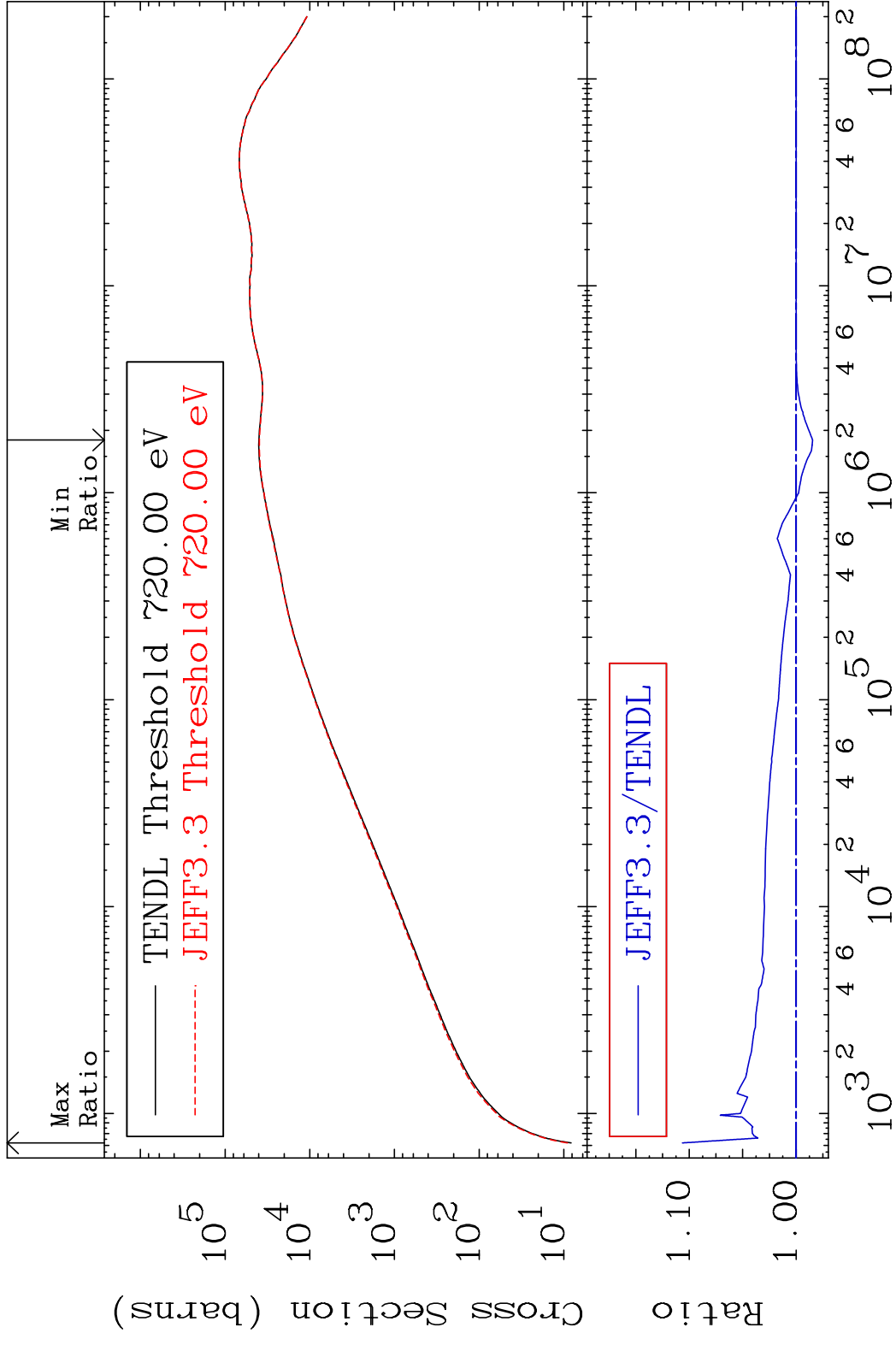


76

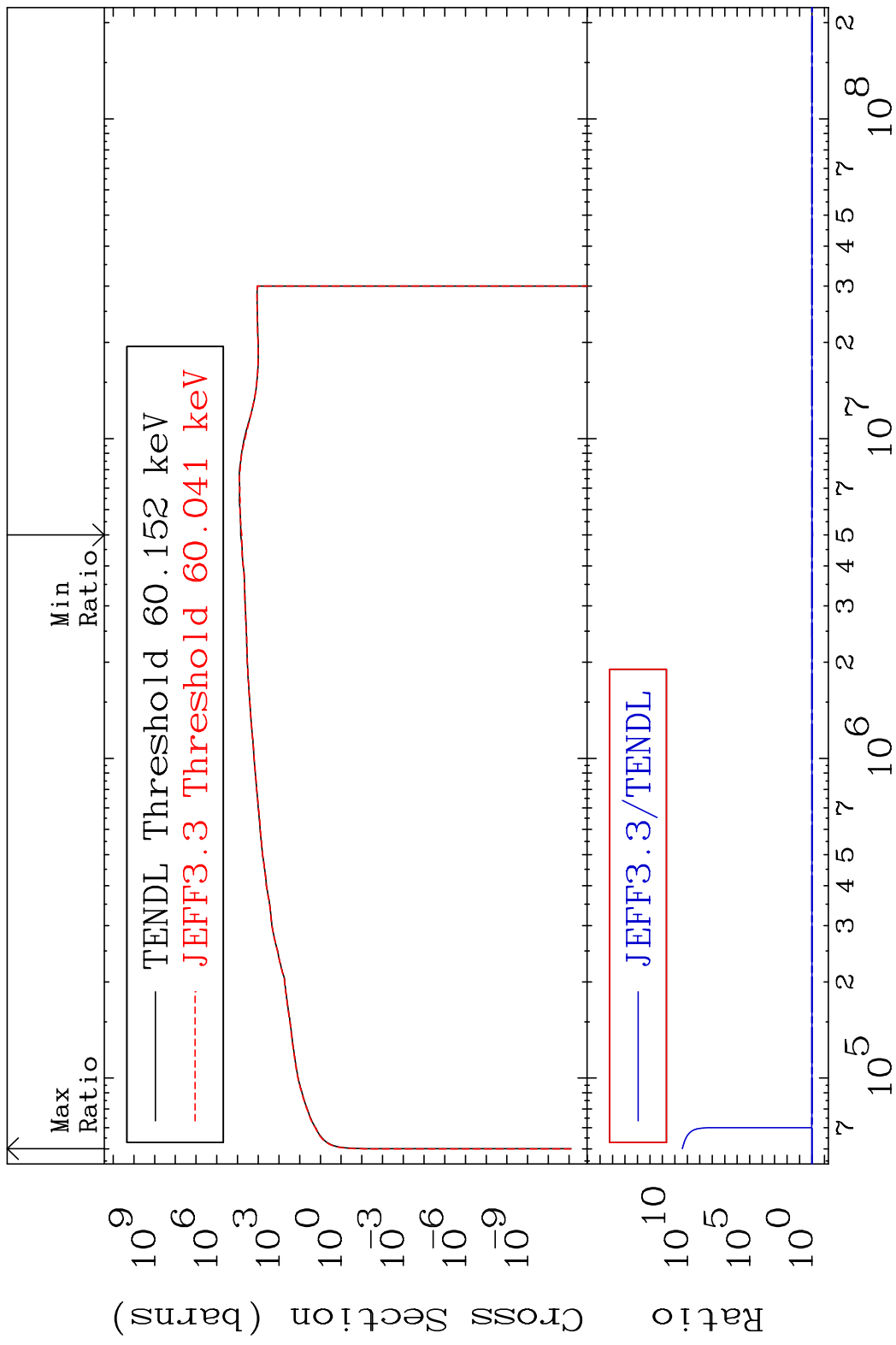
Incident Energy (eV)

48-Cd-109

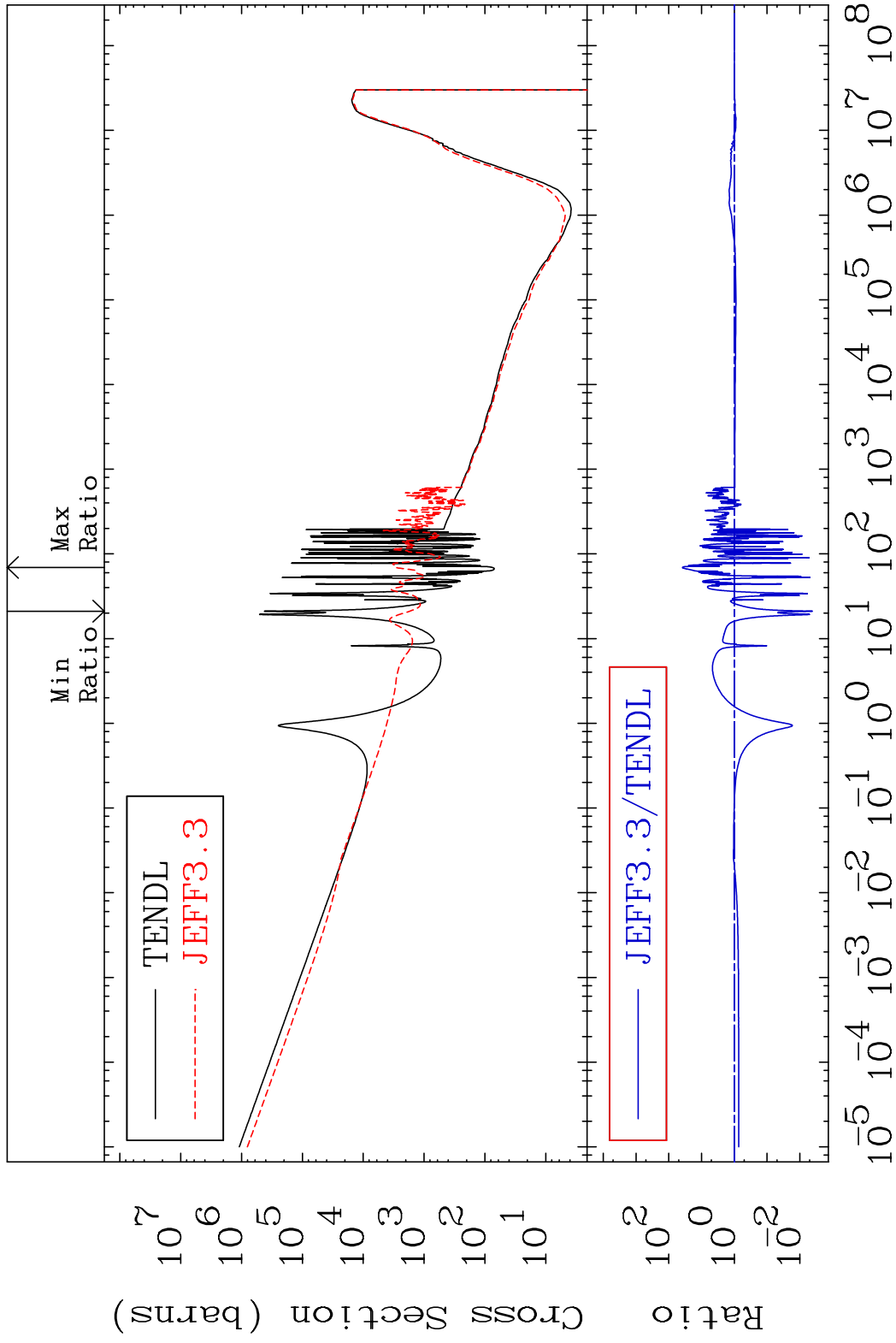
MAT 4834 Dpa elastic (mt2) 48-Cd-109
 Cross Section -1.541 To 10.65 %



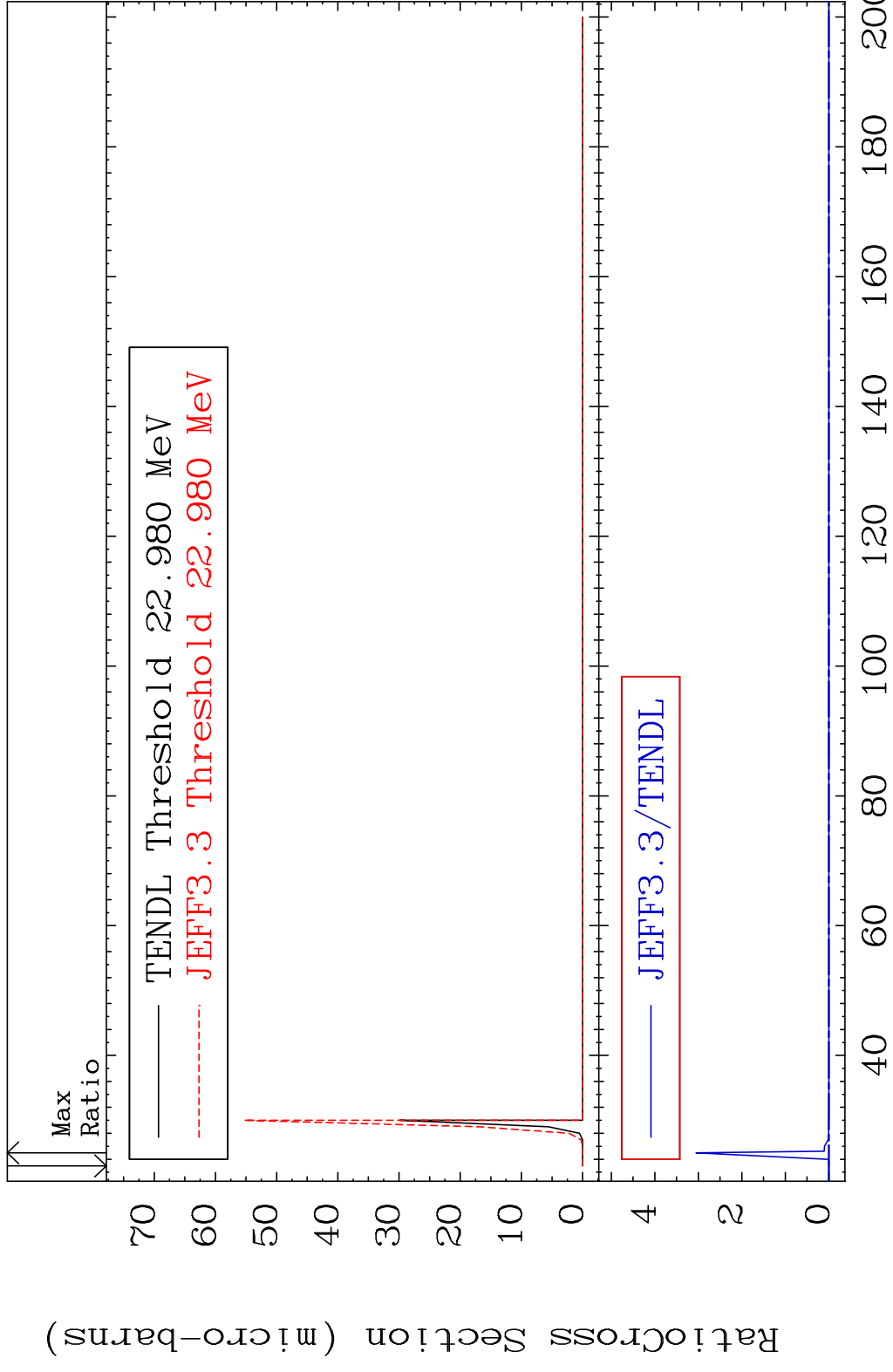
MAT 4834 Dpa inelastic (mt51-91) 48-Cd-109
 Cross Section -9.797 To 9999. %



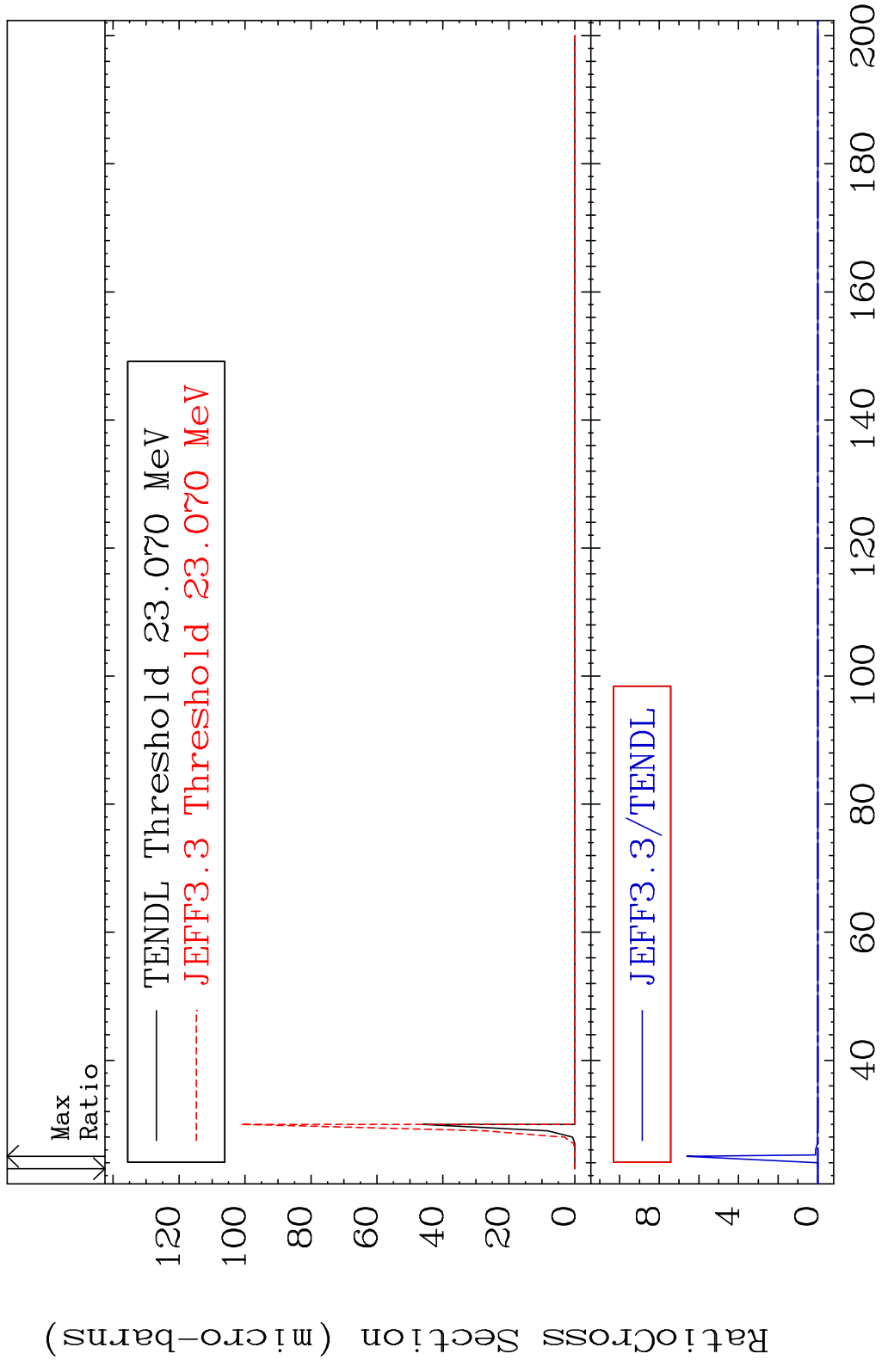
MAT 4834 Dpa disappearance (mt102 -120) 48-Cd-109
 Cross Section -99.59 To 3760. %



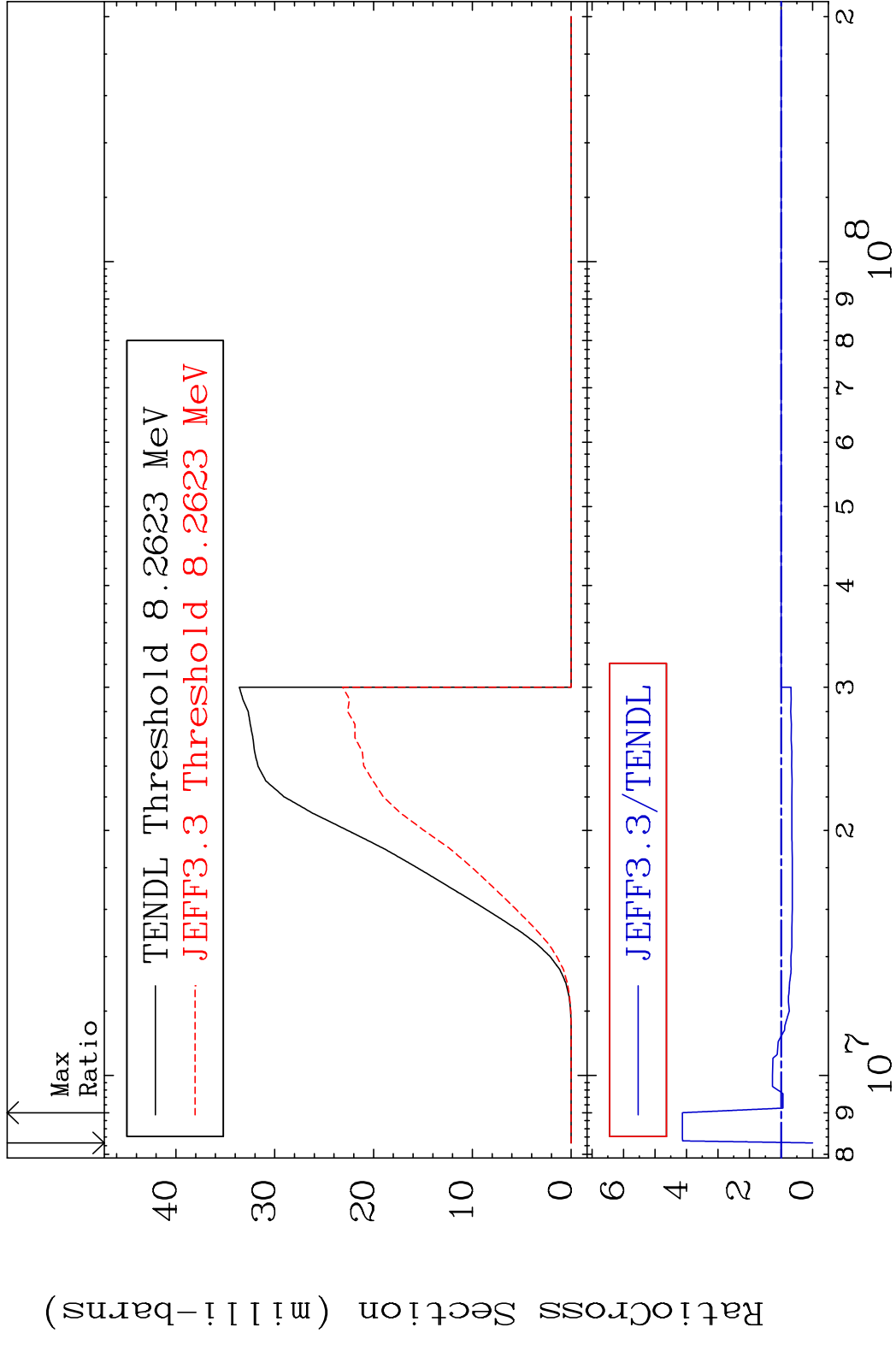
MAT 4834 (n,2n) d:47-Ag-106g 48-Cd-109
 Radionuclide Production Cross Section Ratio 9999. %

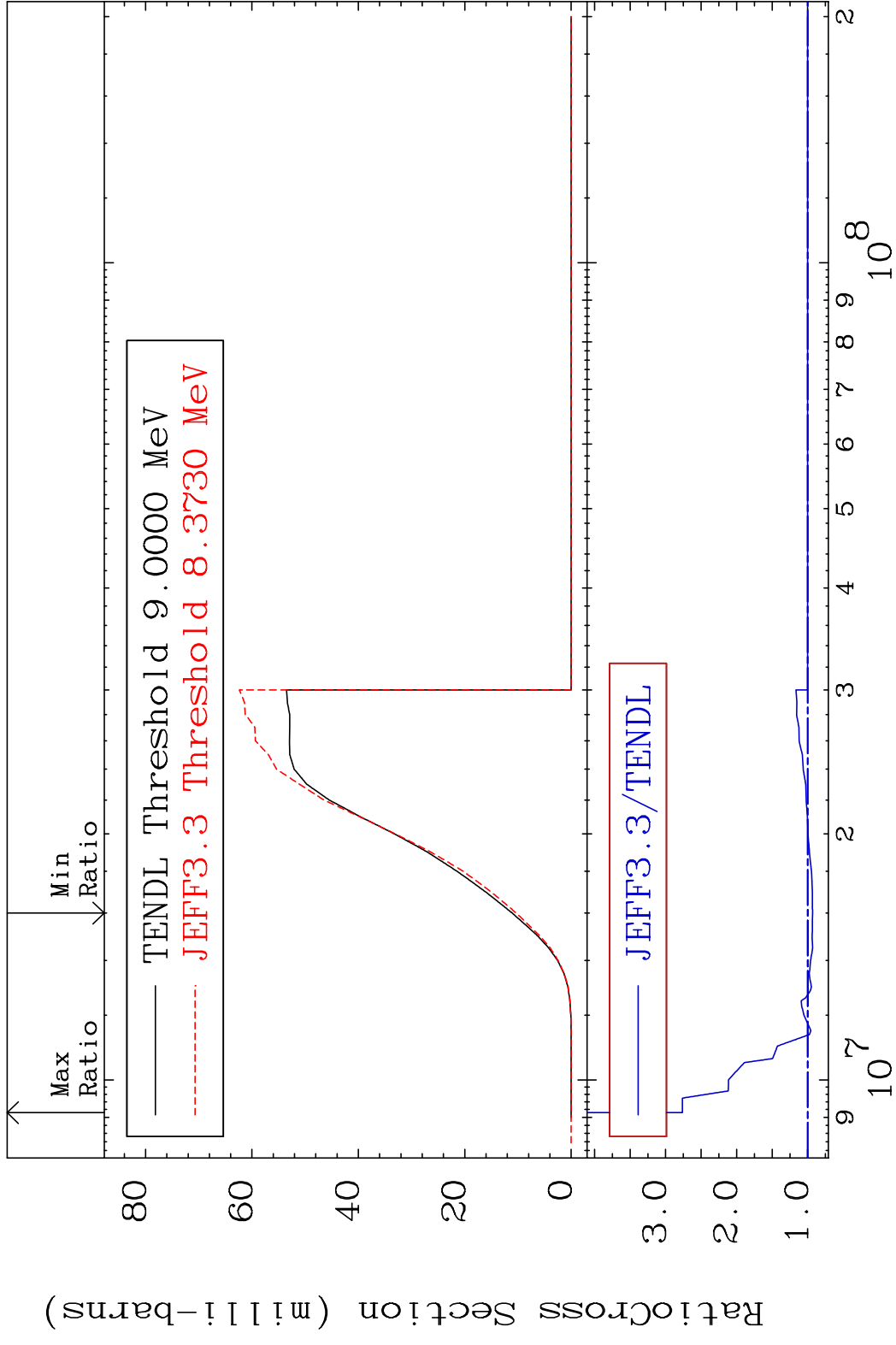


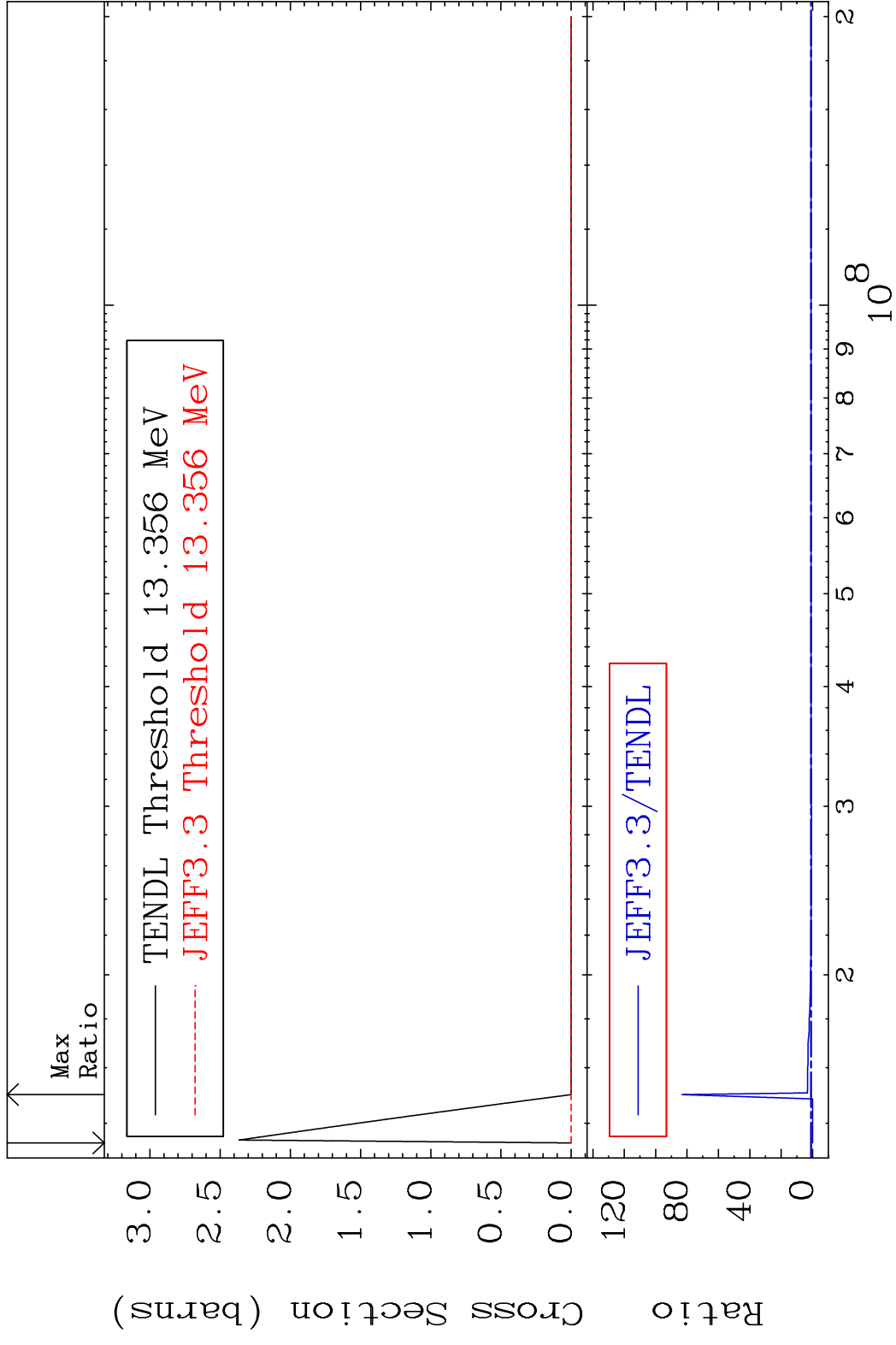
80 Incident Energy (MeV) 48-Cd-109

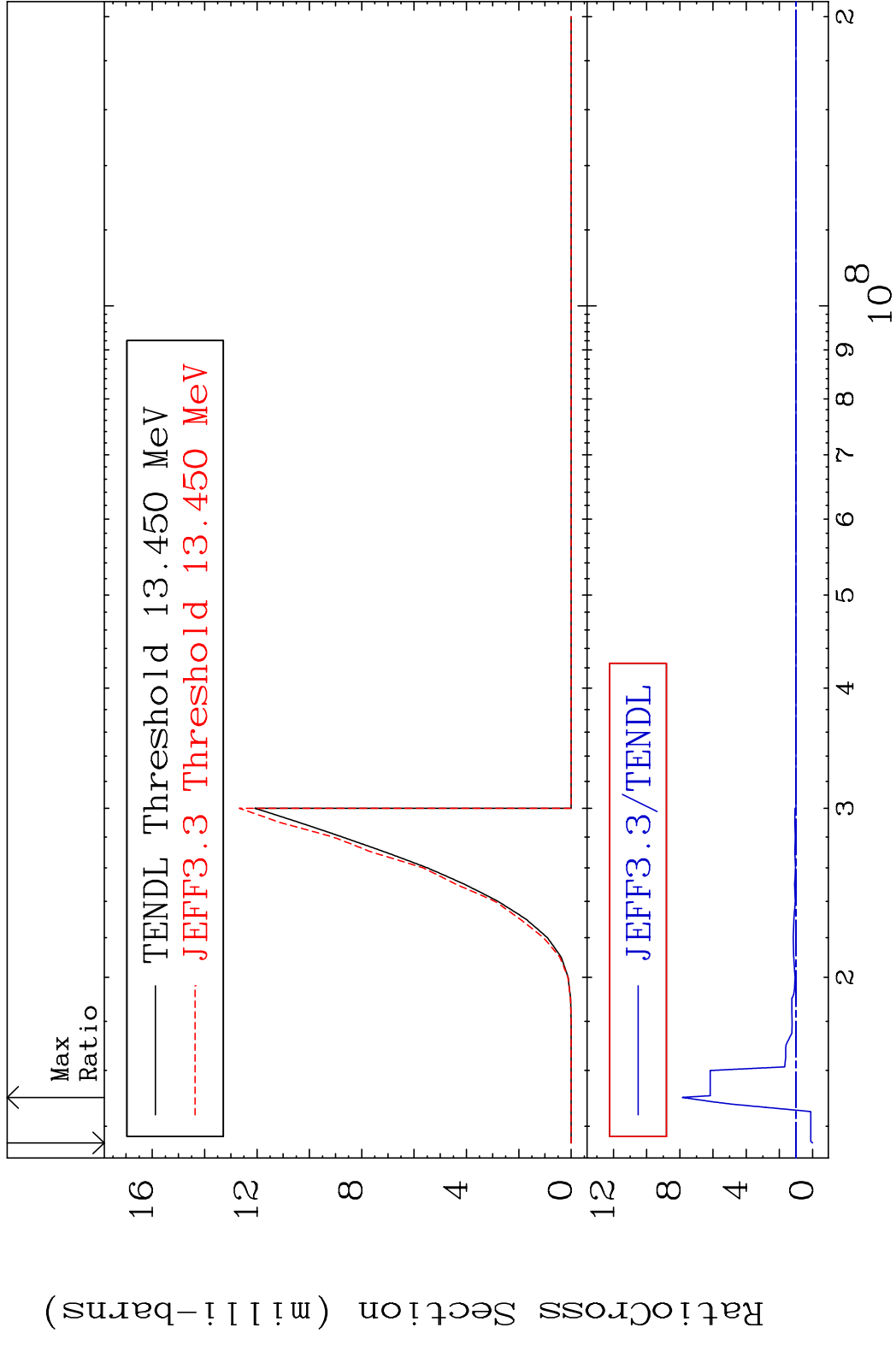


MAT 4834 (n, n') p:47-Ag-108g 48-Cd-109
 Radionuclide Production Cross Section 180.0 dth 313.3 %

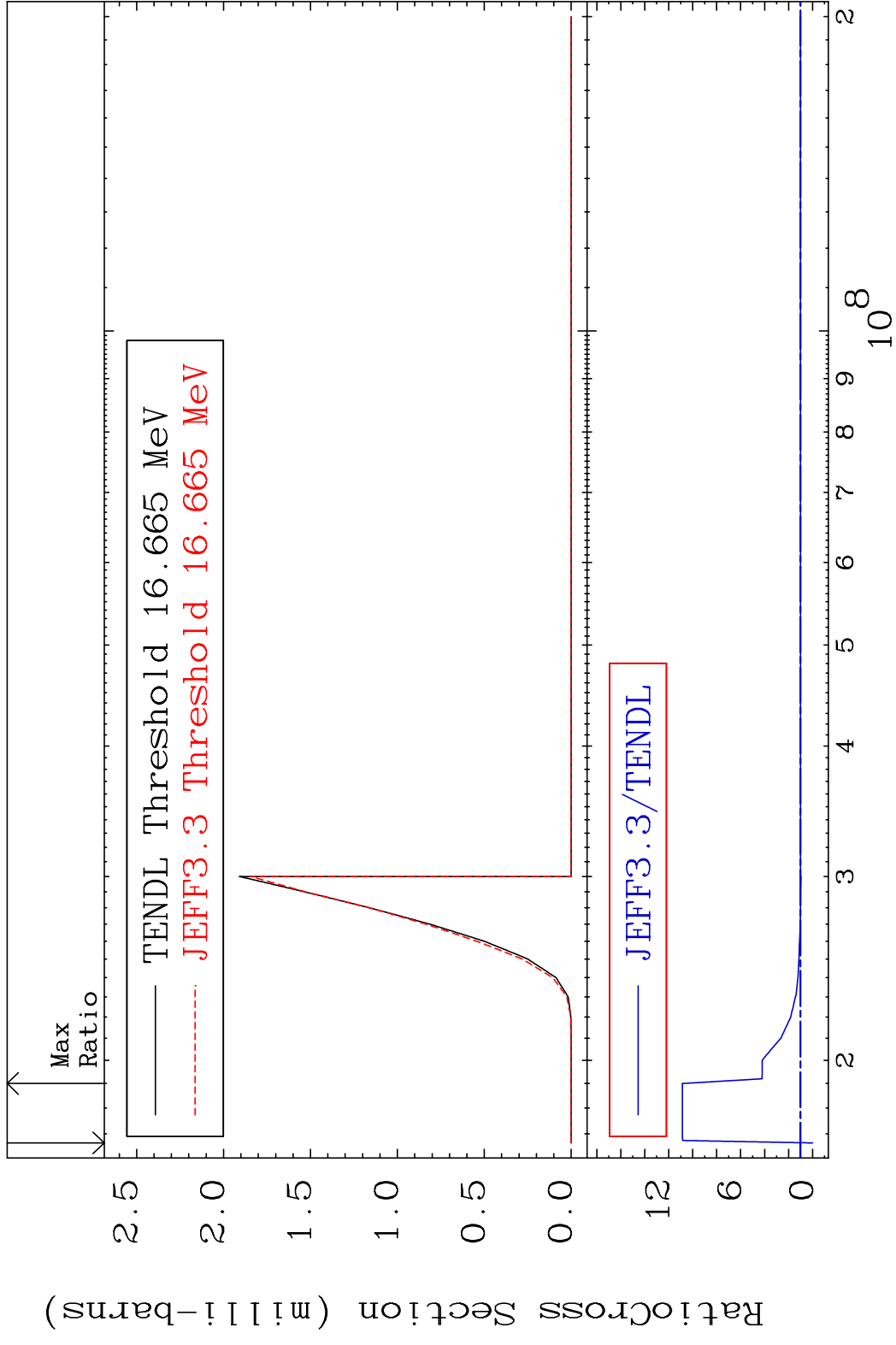




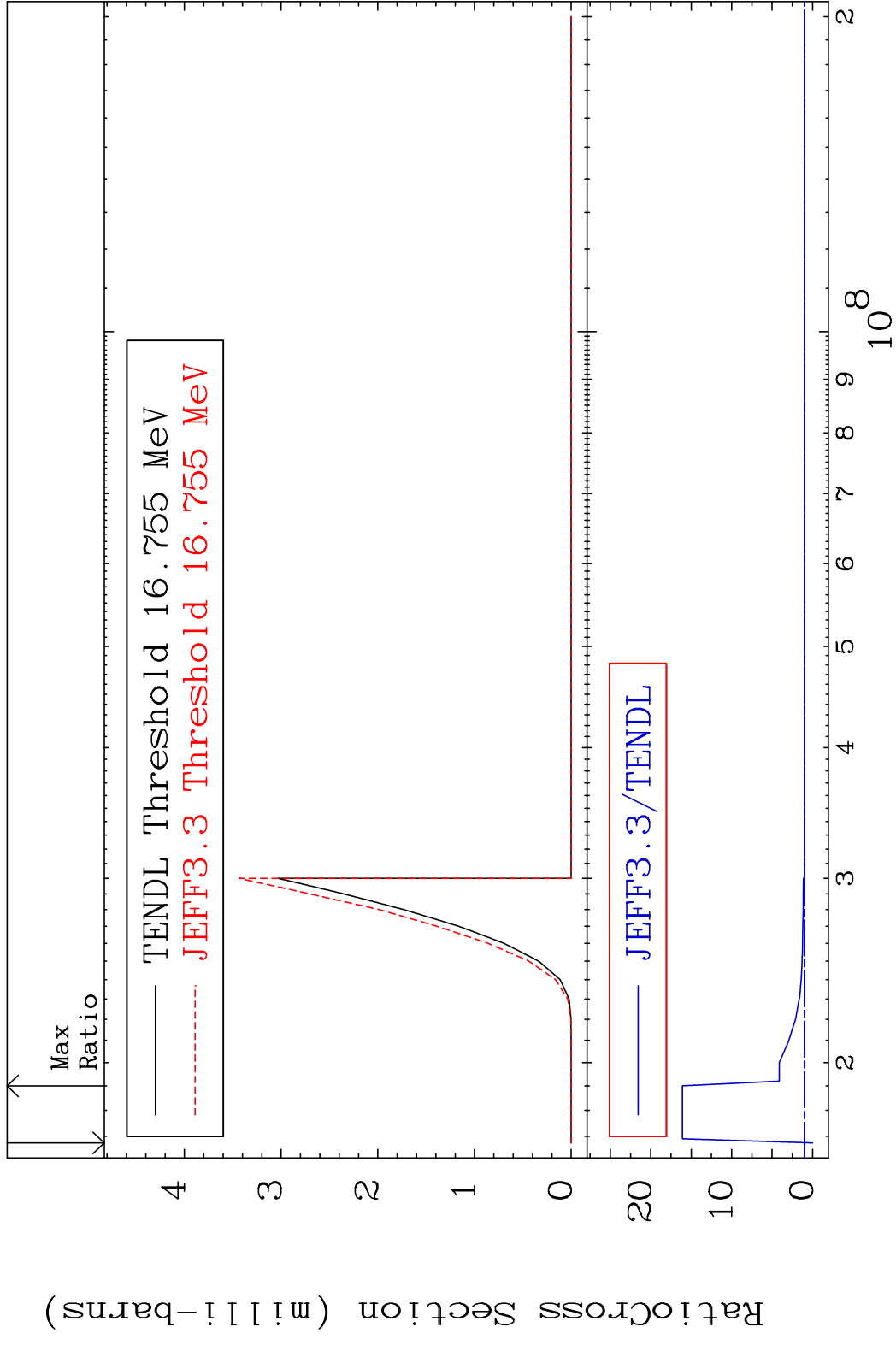




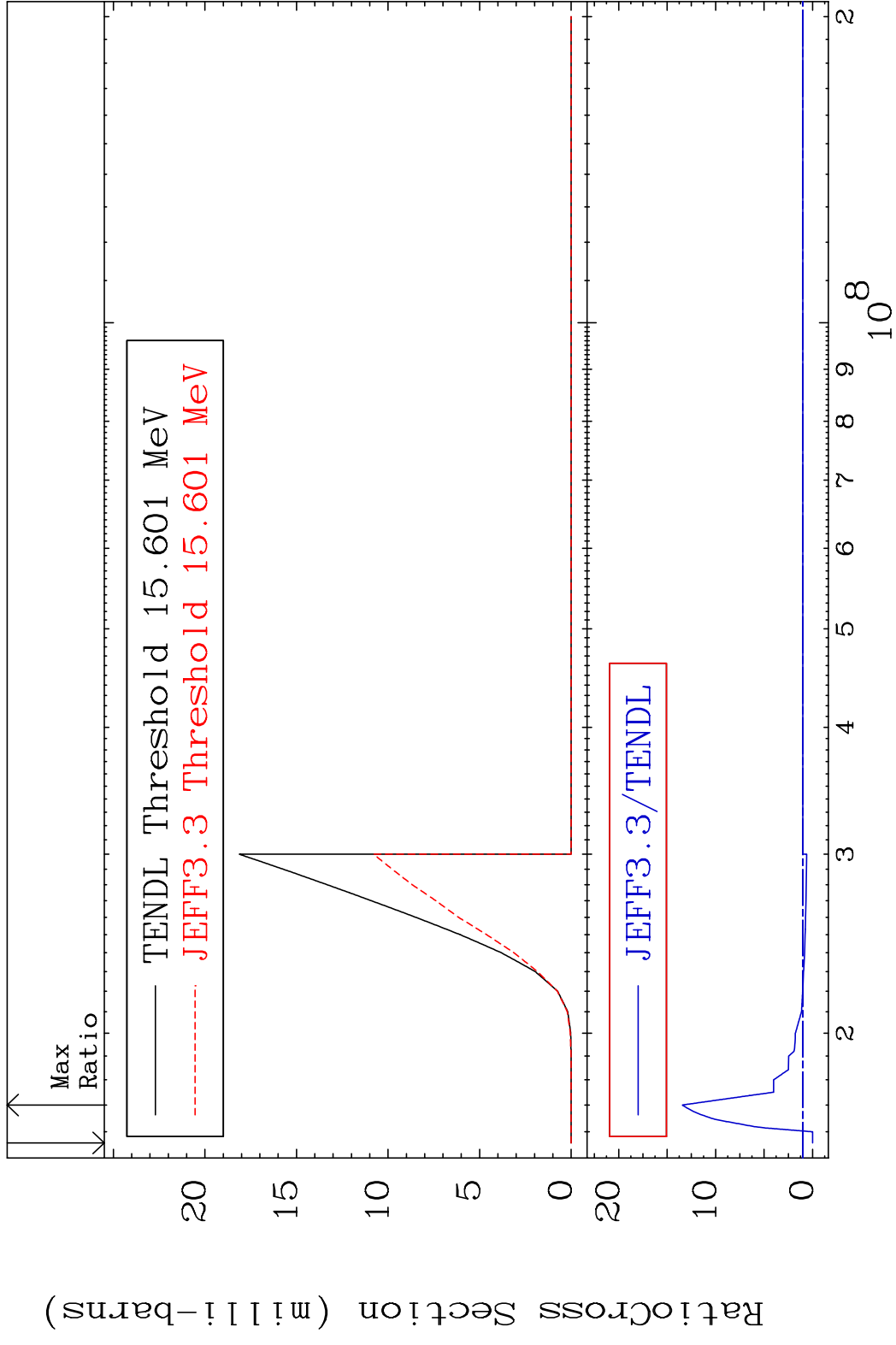
MAT 4834 (n, n') t:47-Ag-106g 48-Cd-109
 Radionuclide Production Cross Section 186.01 dth 986.1 %

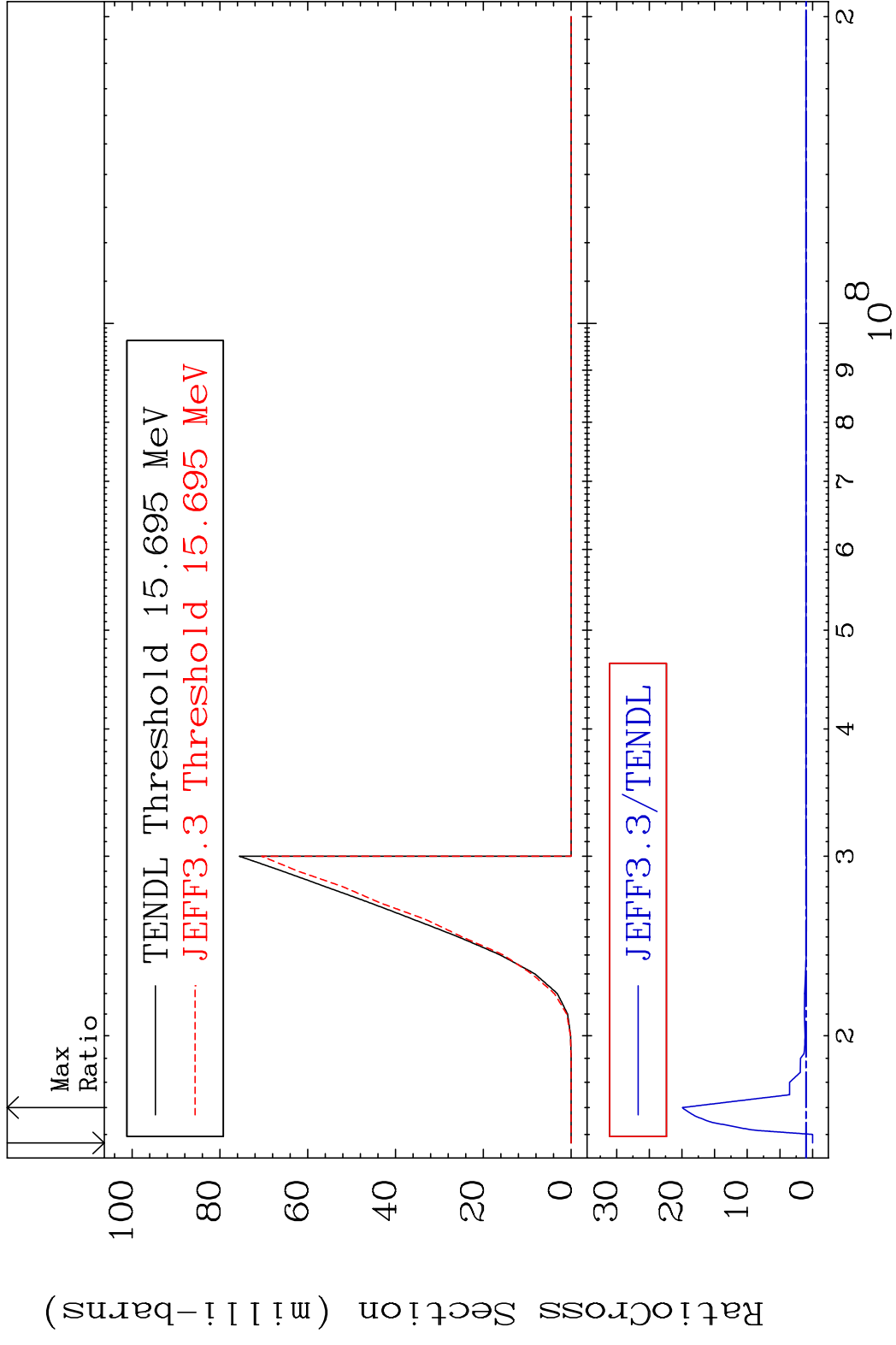


MAT 4834 (n, n') t:47-Ag-106m1 48-Cd-109
 Radionuclide Production Cross Section Ratio 1509. %

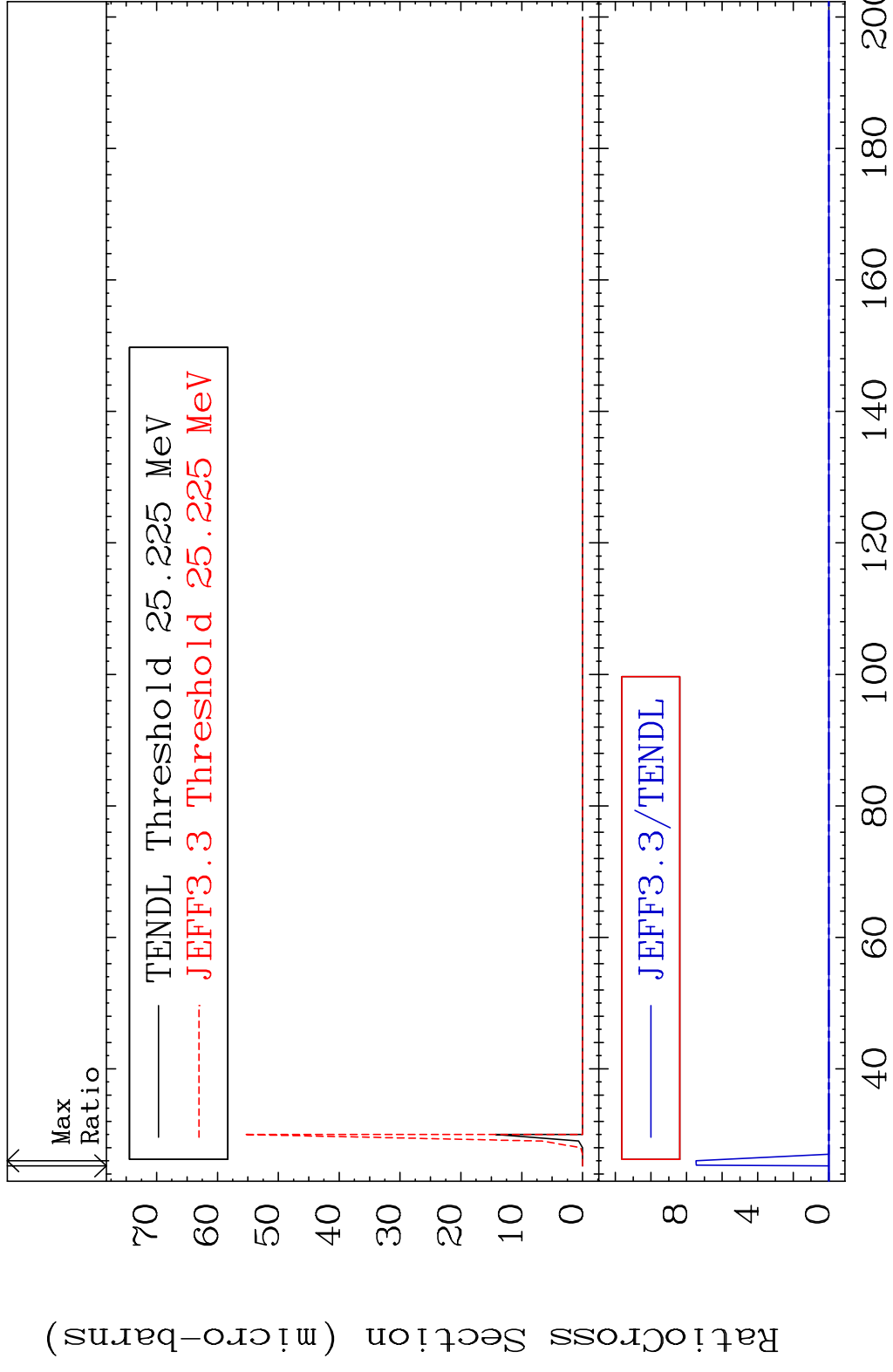


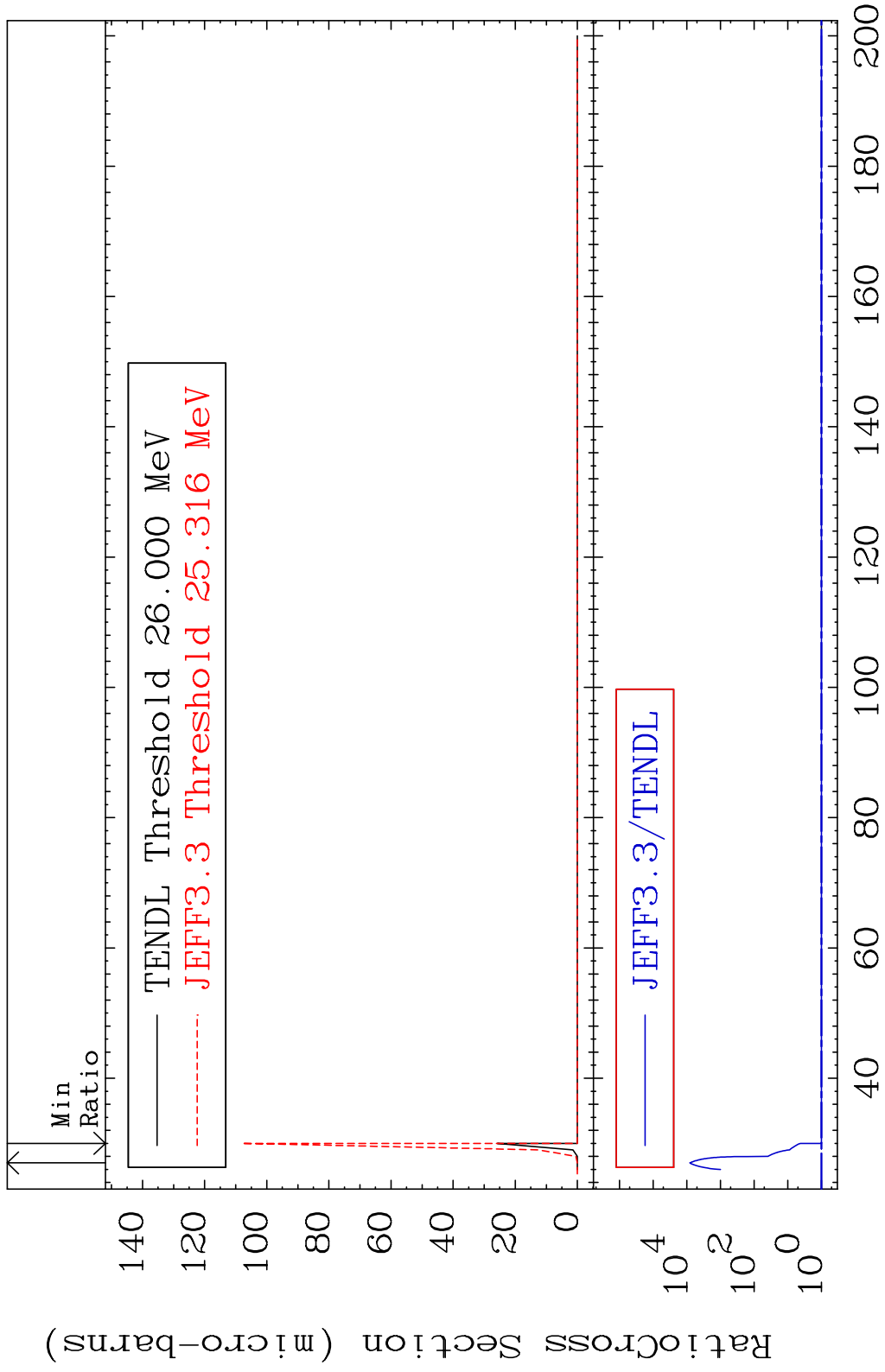
MAT 4834 (n,2n) p:47-Ag-107g 48-Cd-109
 Radionuclide Production Cross Section 1800 d to 1243. %

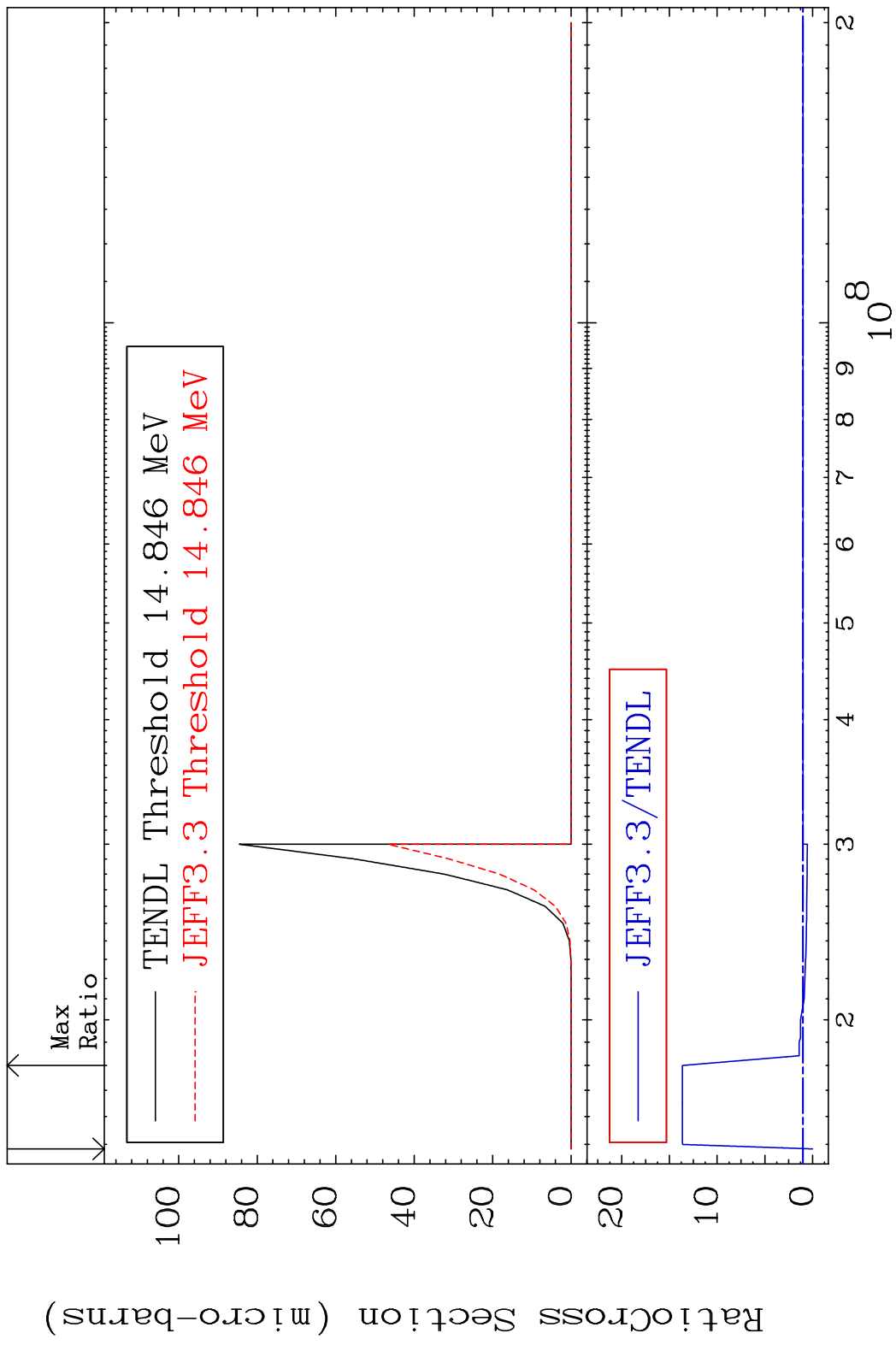


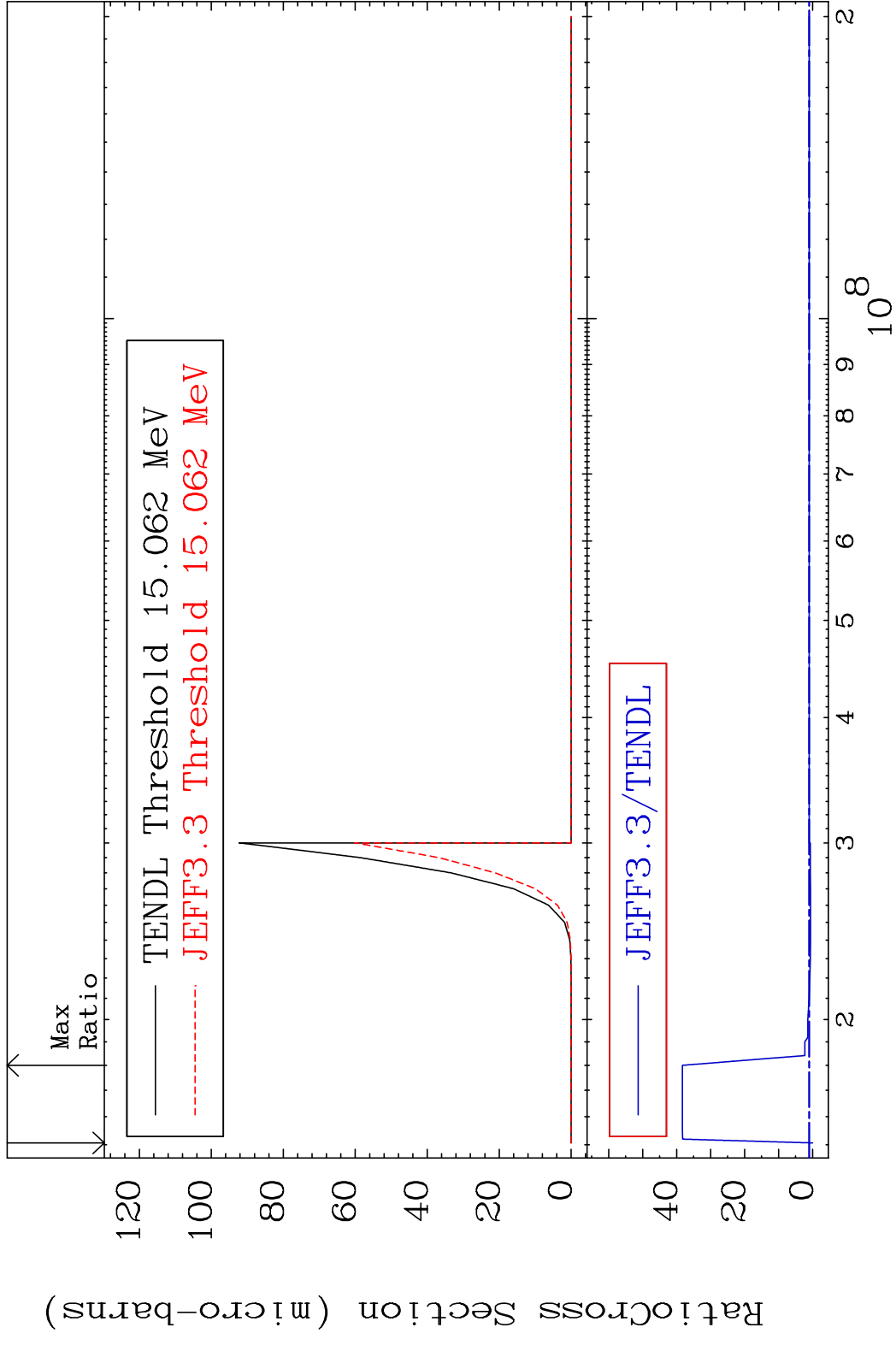


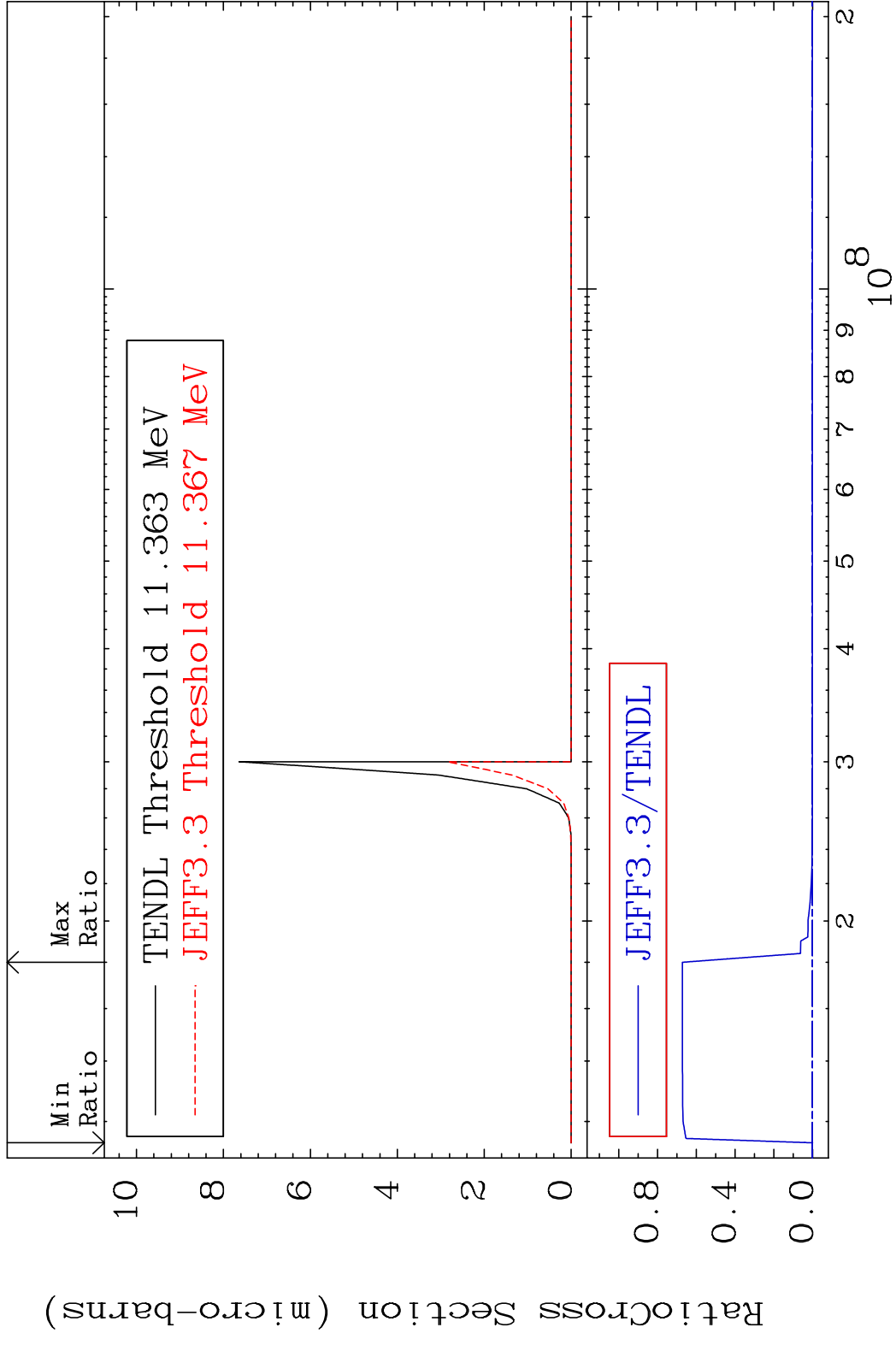
MAT 4834 (n,3n) p:47-Ag-106g 48-Cd-109
 Radionuclide Production Cross Section Ratio 9999. %



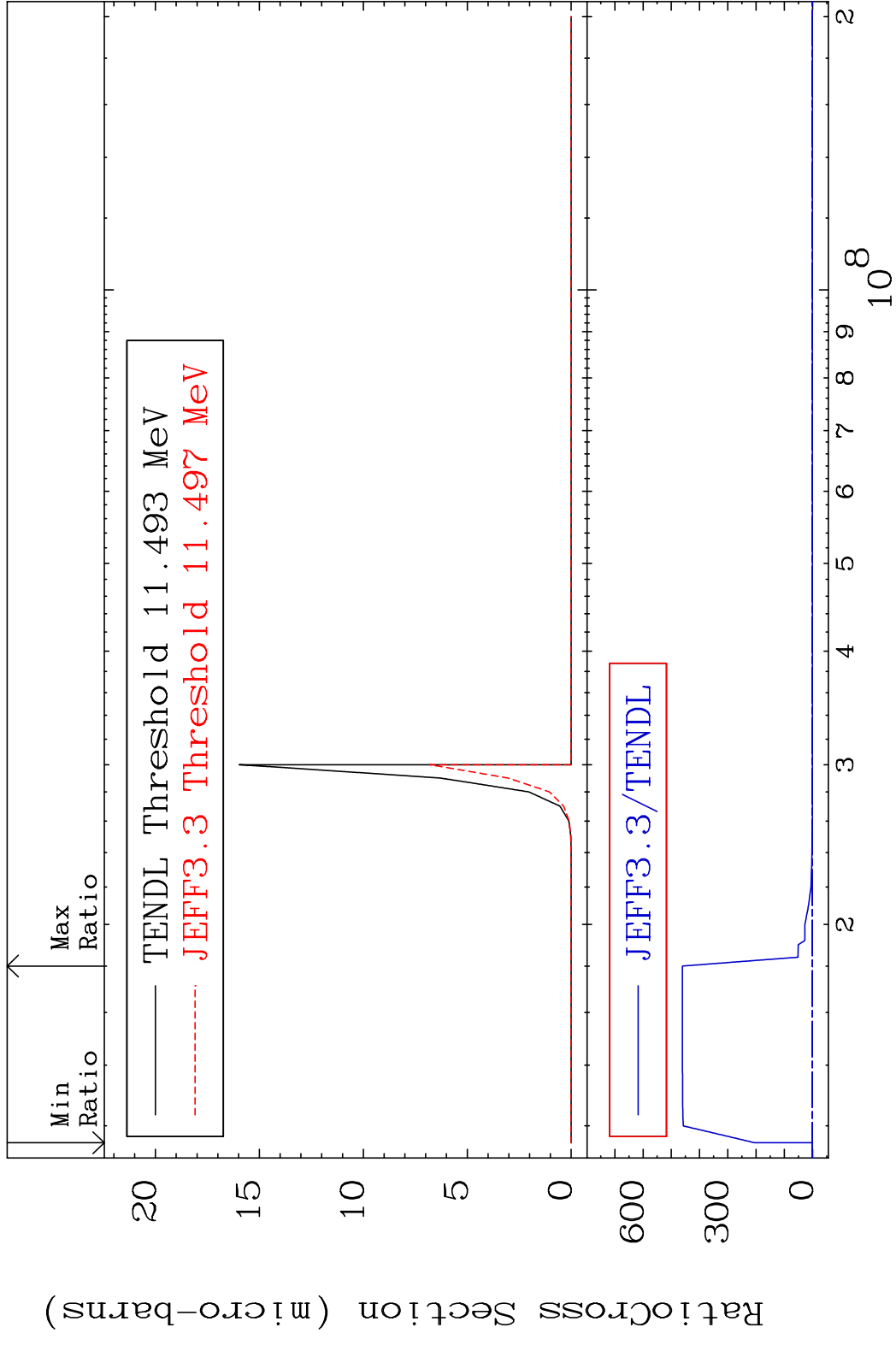




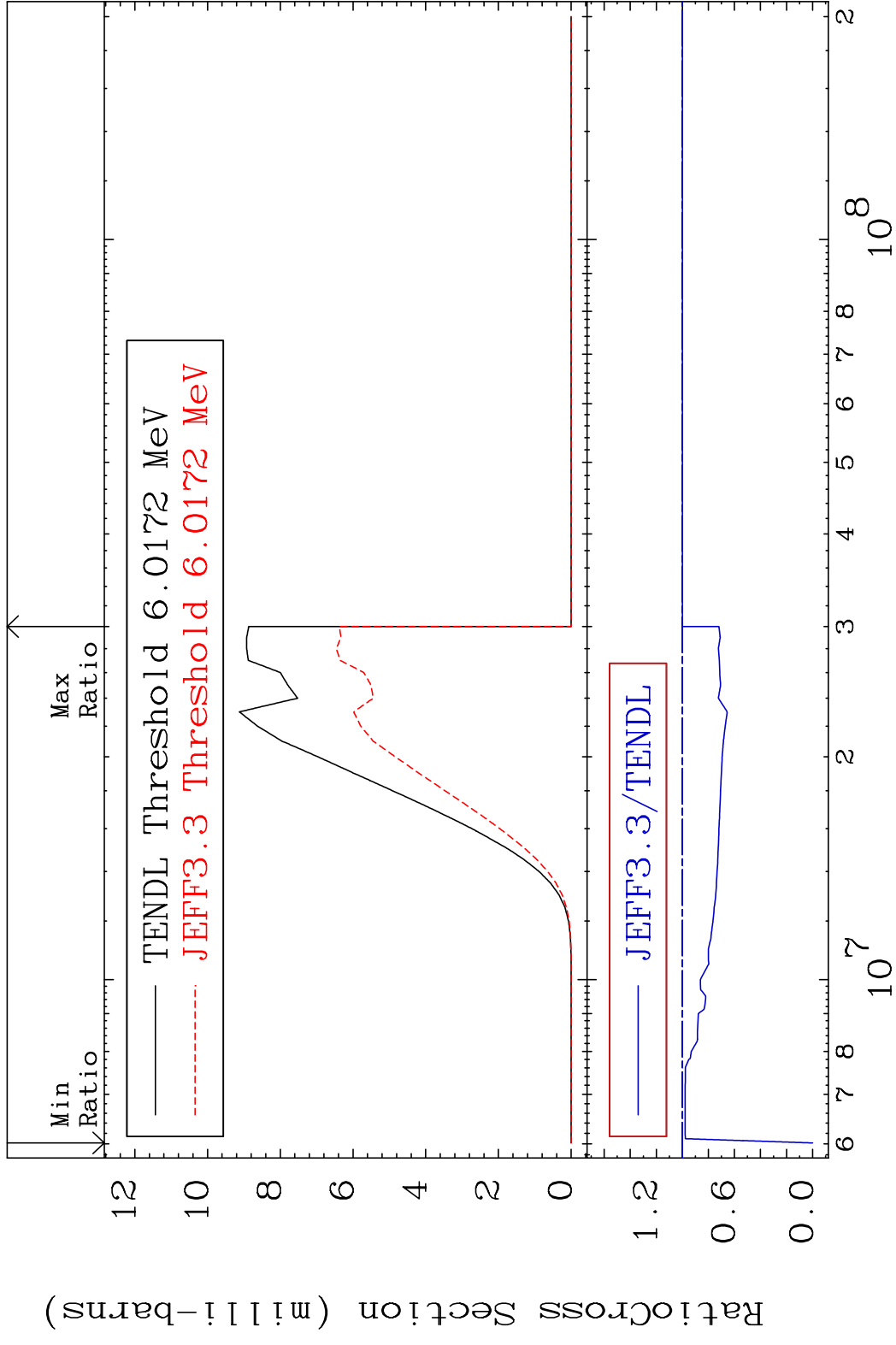




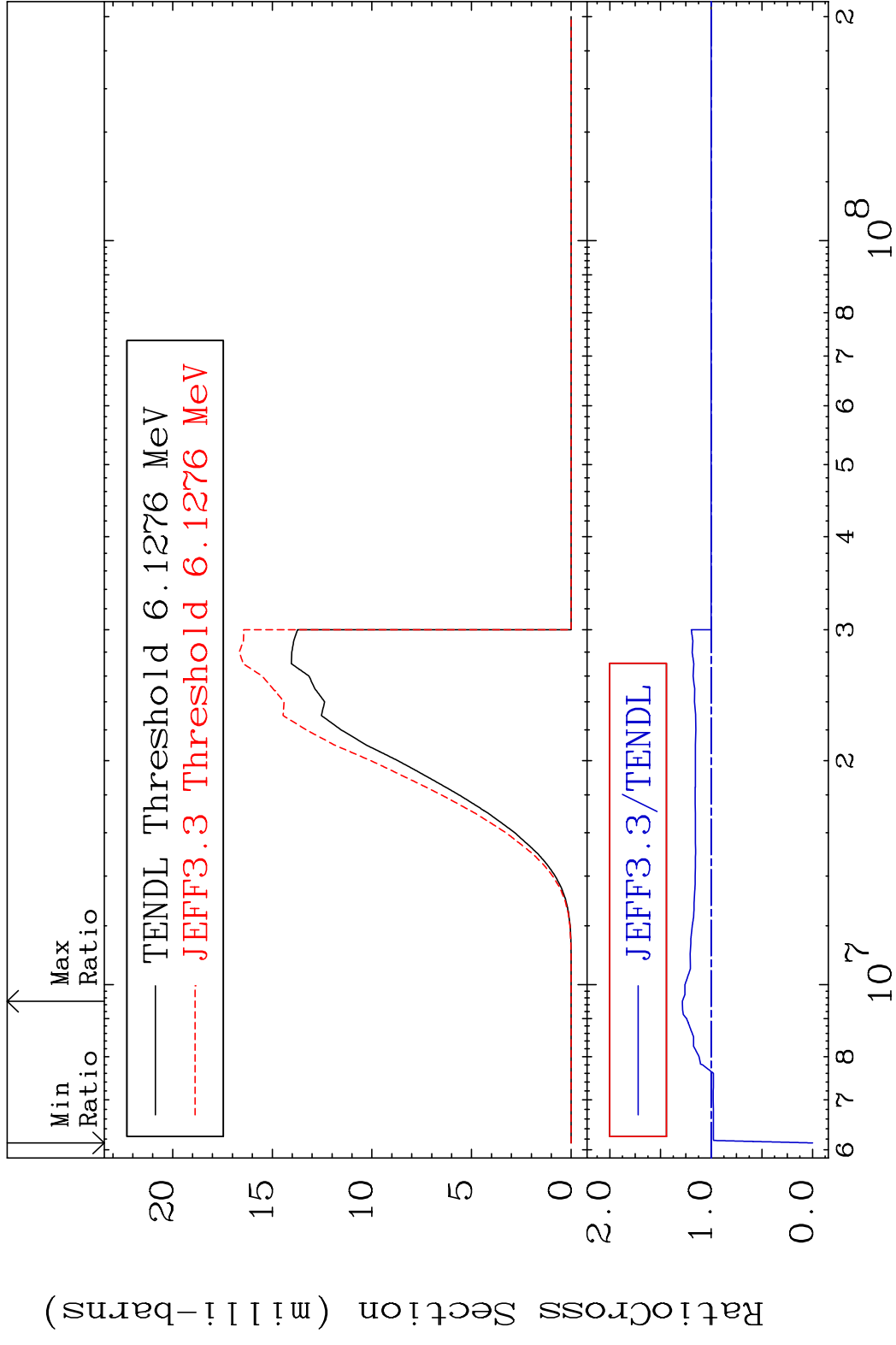
MAT 4834 (n, n') p α : 45-Rh-104m3 48-Cd-109
 Radionuclide Production Cross Section 100.00 %



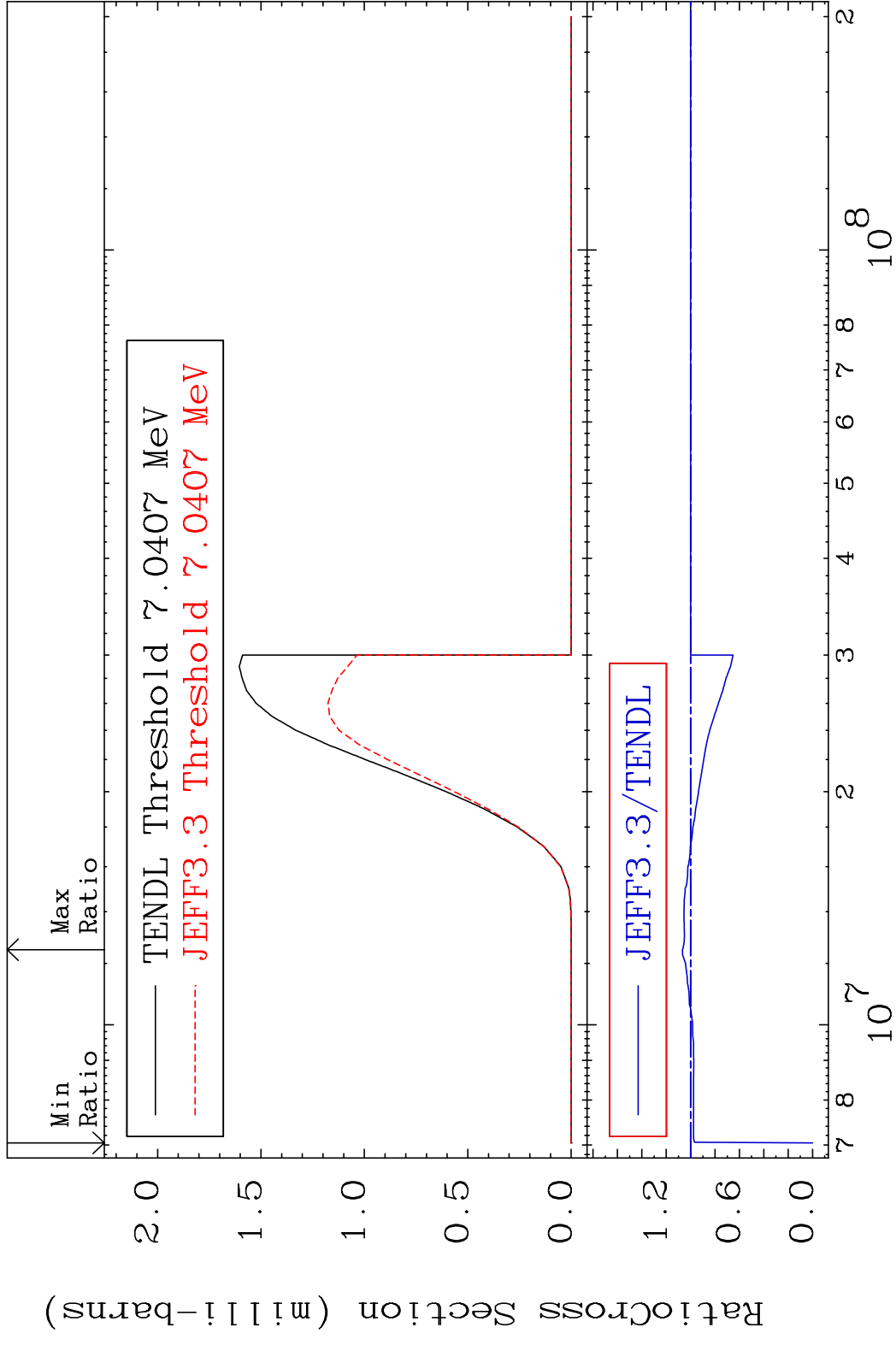
MAT 4834 (n, d) : 47-Ag-108g 48-Cd-109
 Radionuclide Production Cross Section 1800.0 dth 0.000 %



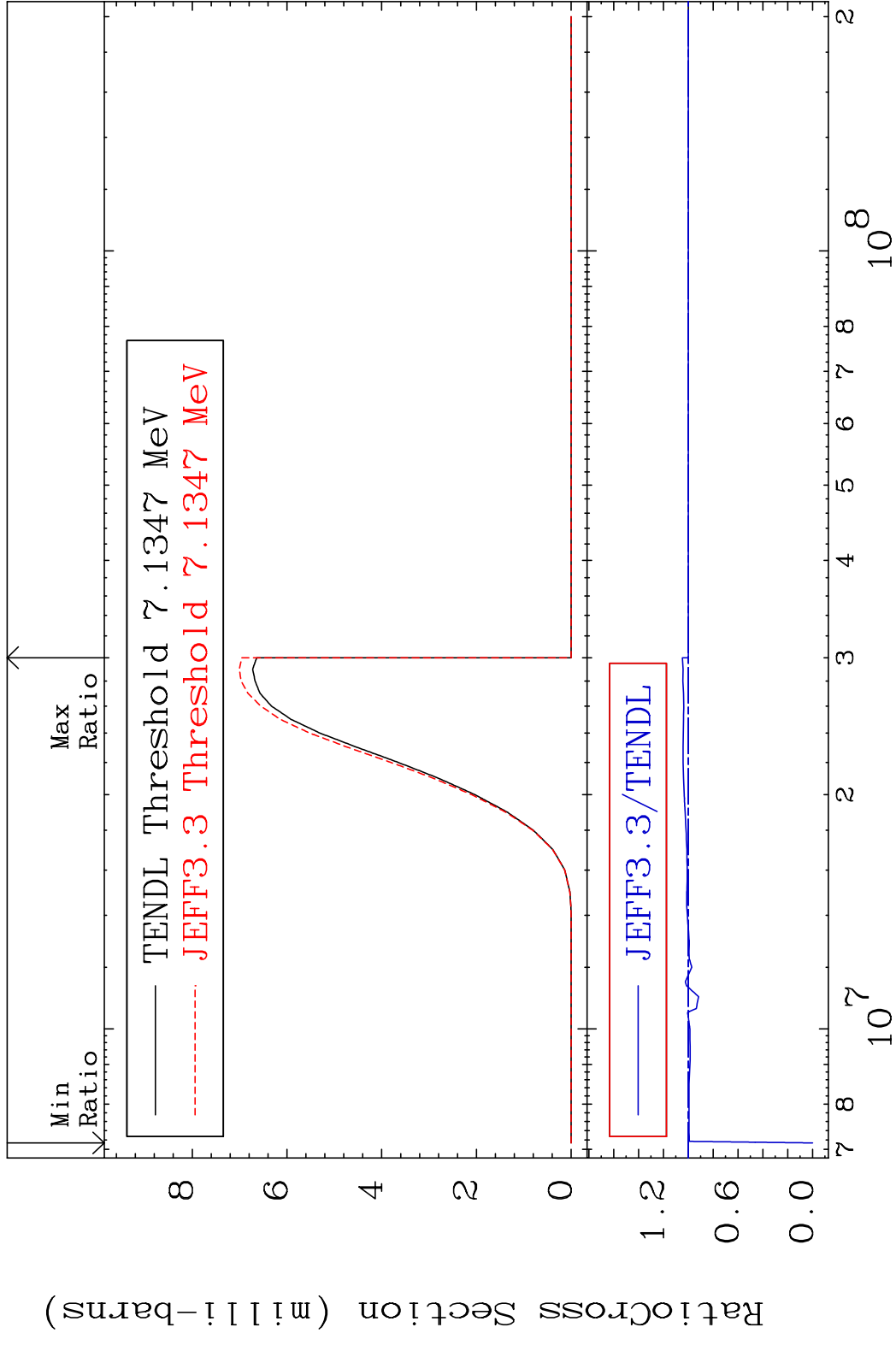
MAT 4834 (n,d):47-Ag-108m2 48-Cd-109
 Radionuclide Production Cross Section 180.01 dth 28.45 %



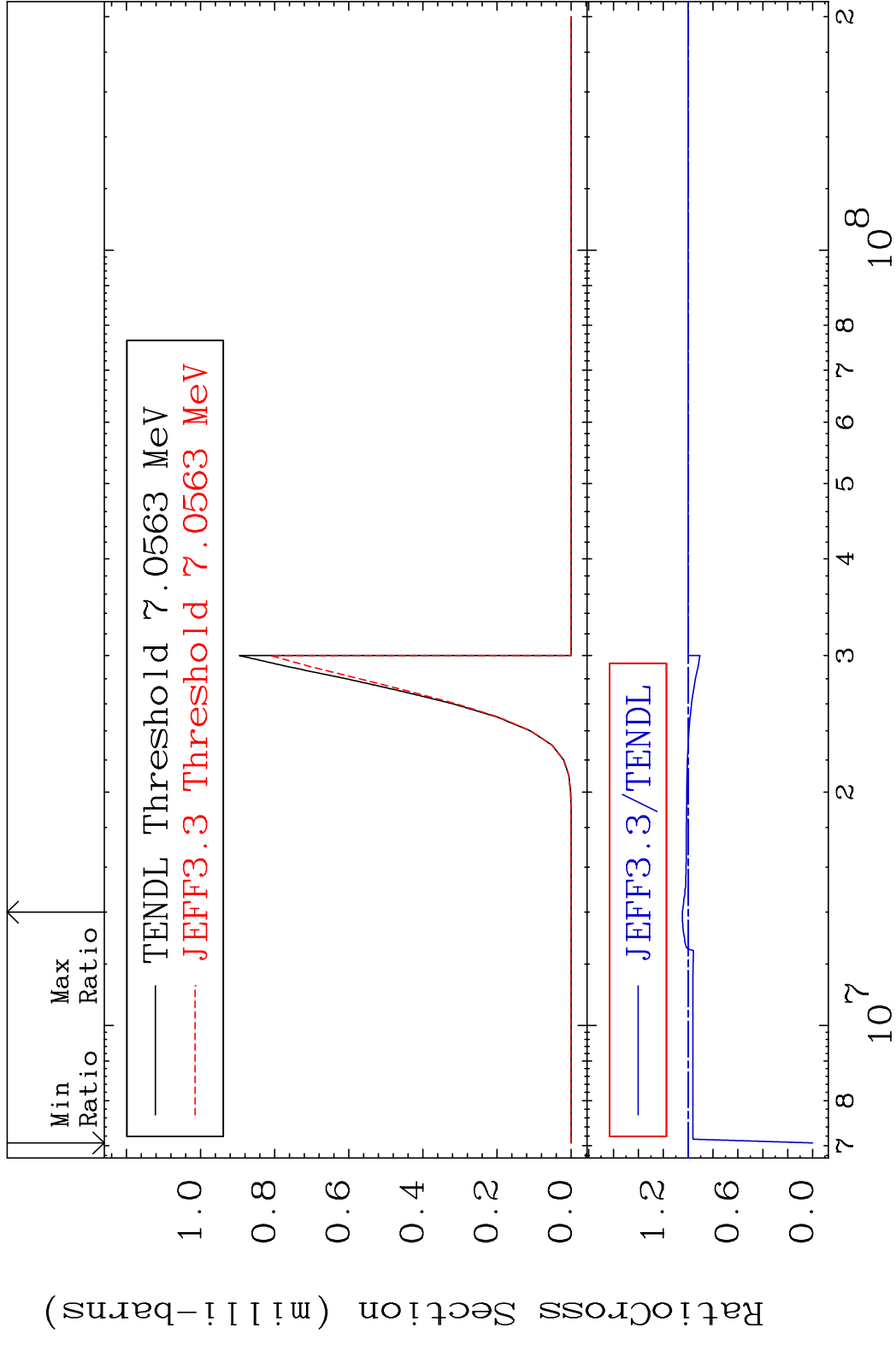
MAT 4834 (n,t):47-Ag-107g 48-Cd-109
 Radionuclide Production Cross Section 180.01 dth 6.788 %



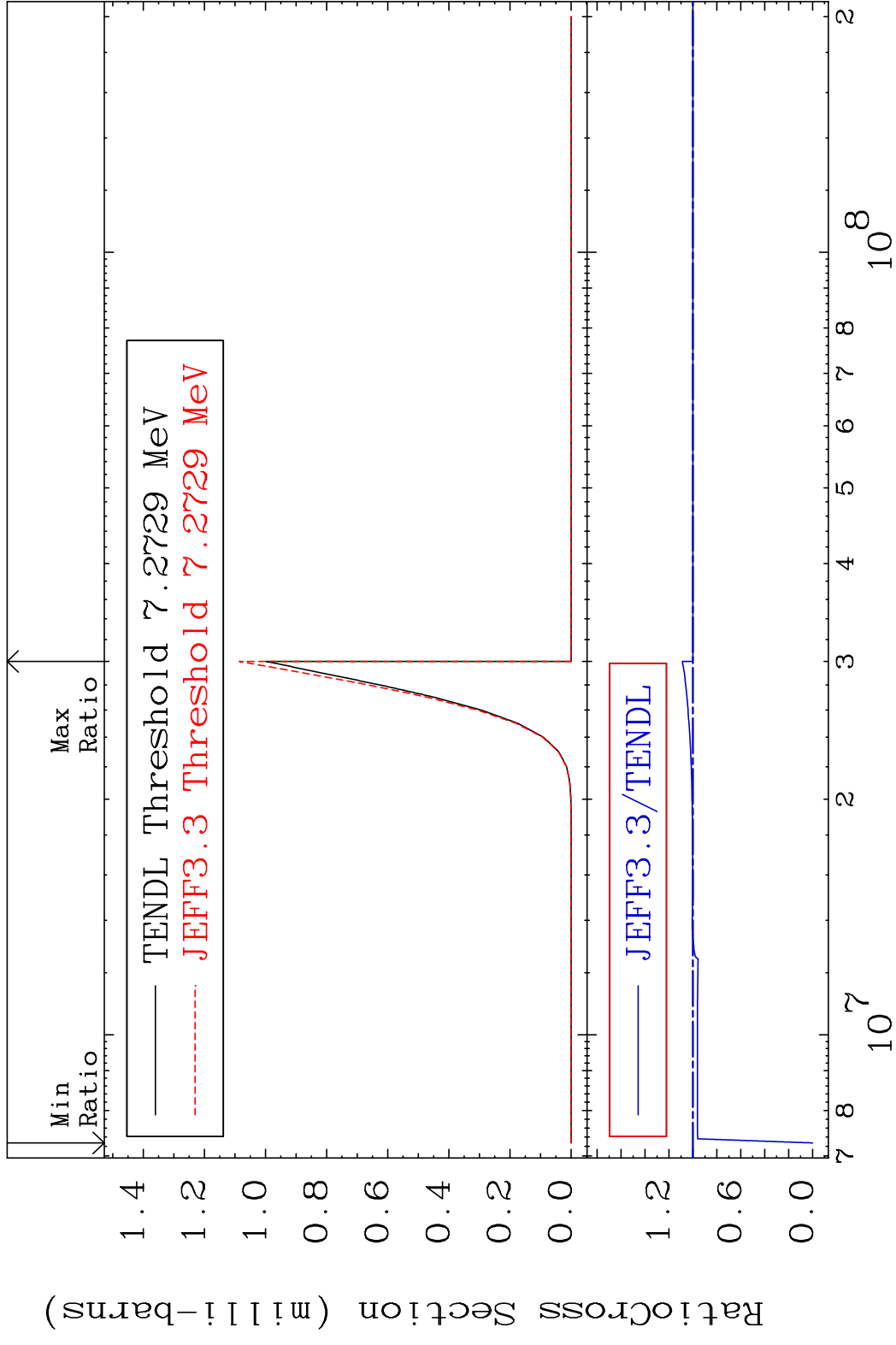
MAT 4834 (n, t): 47-Ag-107m1 48-Cd-109
 Radionuclide Production Cross Section Ratio 4.760 %



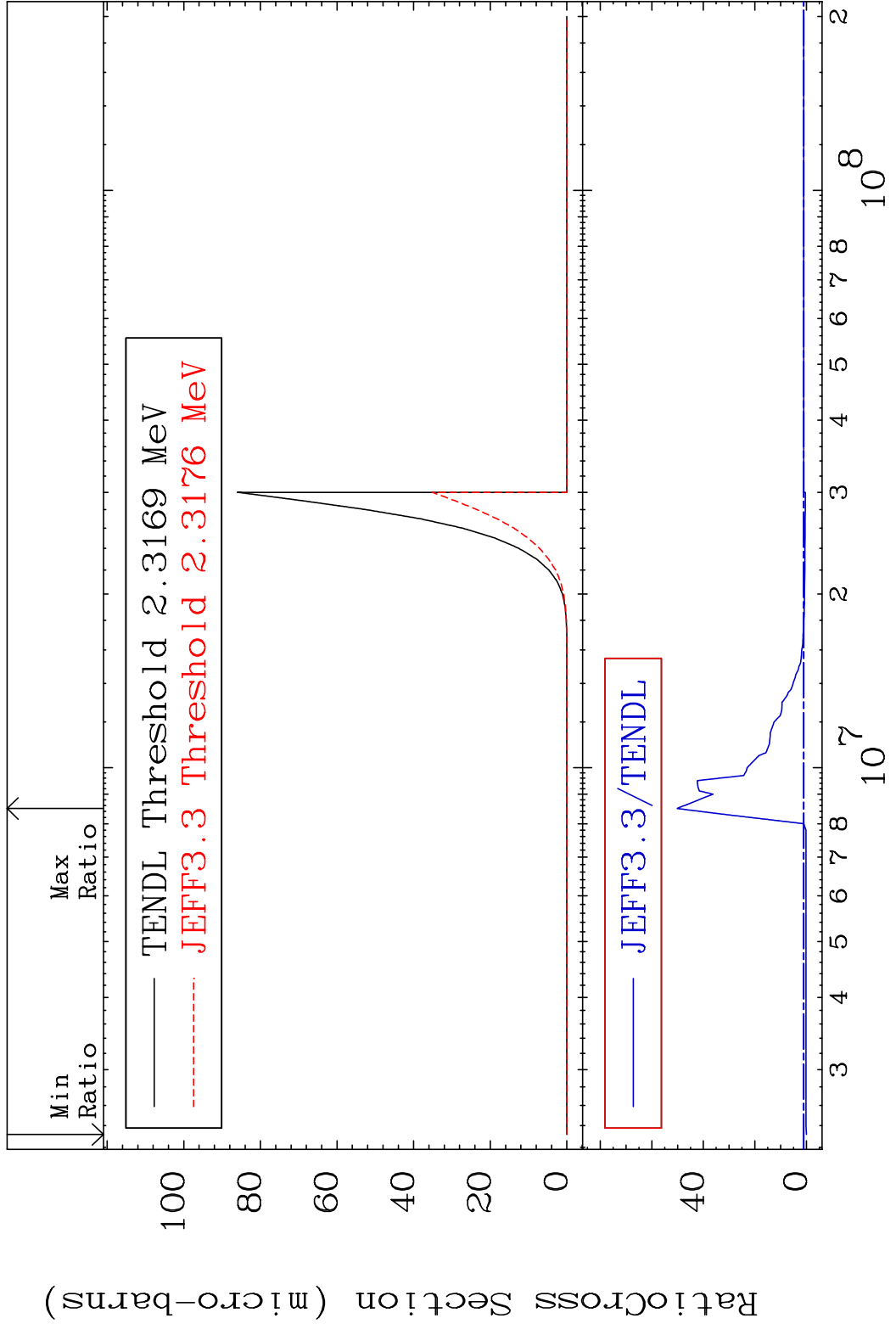
MAT 4834 (n, He-3):46-Pd-107g 48-Cd-109
 Radionuclide Production Cross Section Ratio 4.659 %



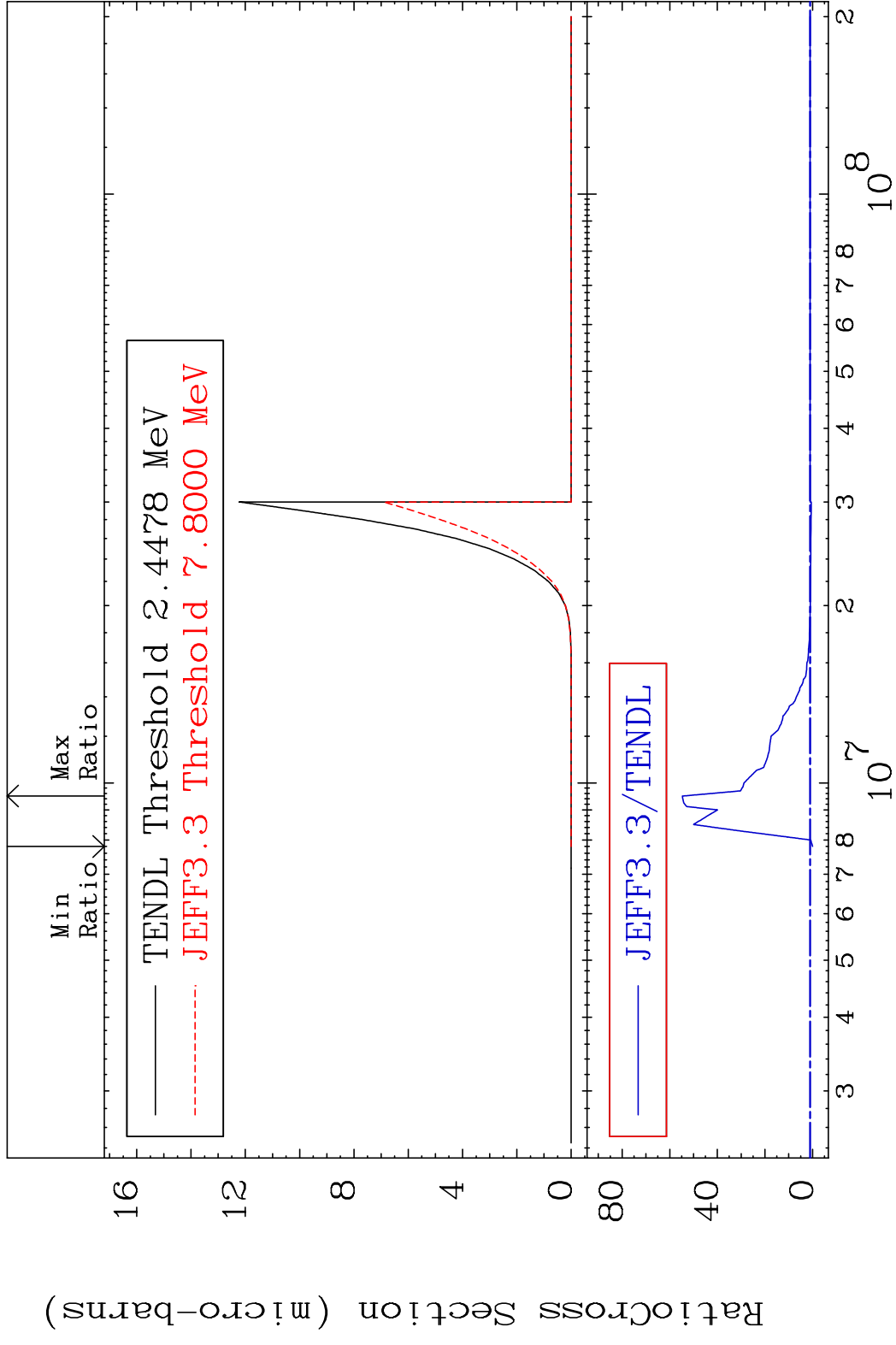
100 Incident Energy (eV) 48-Cd-109

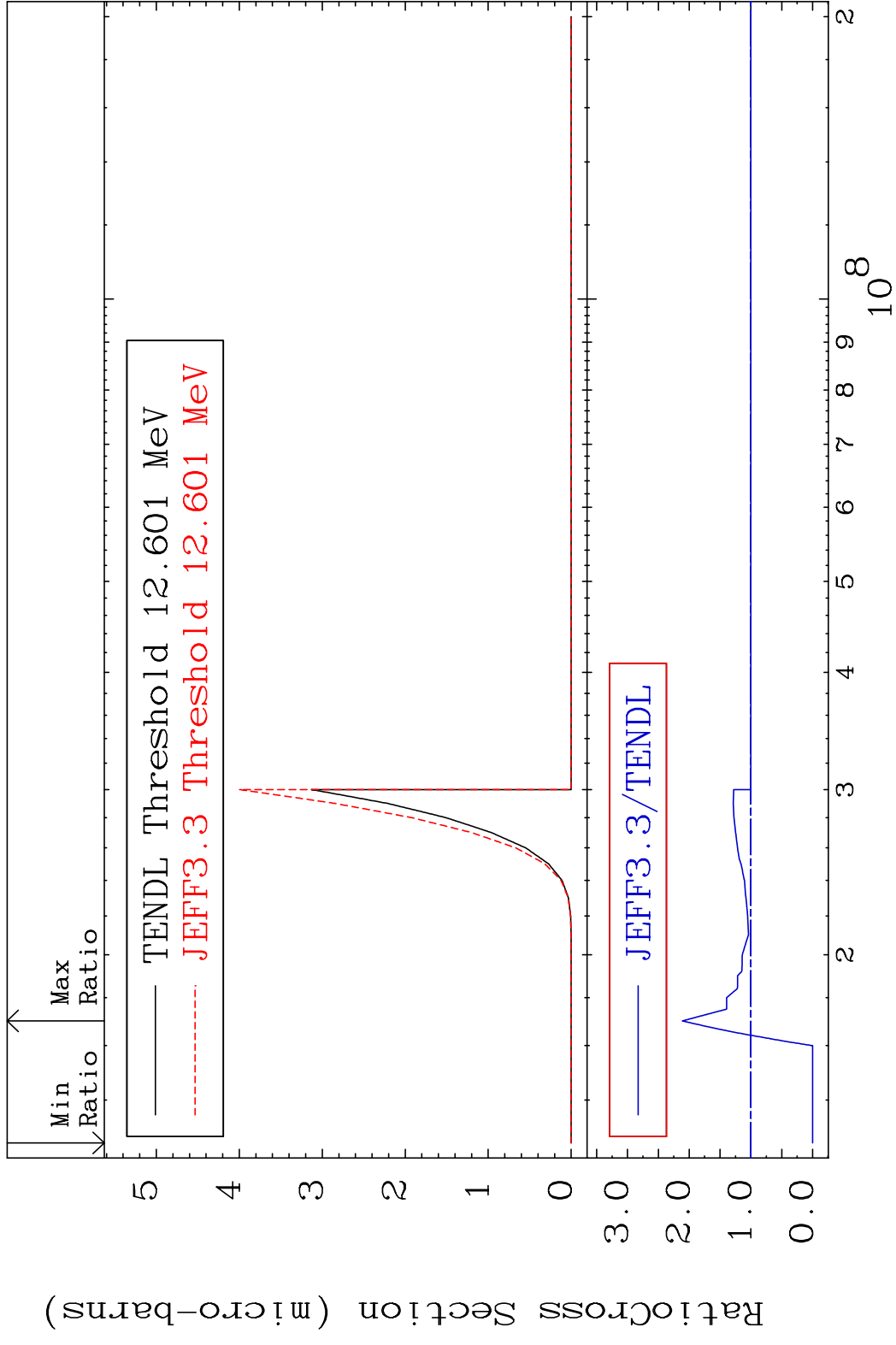


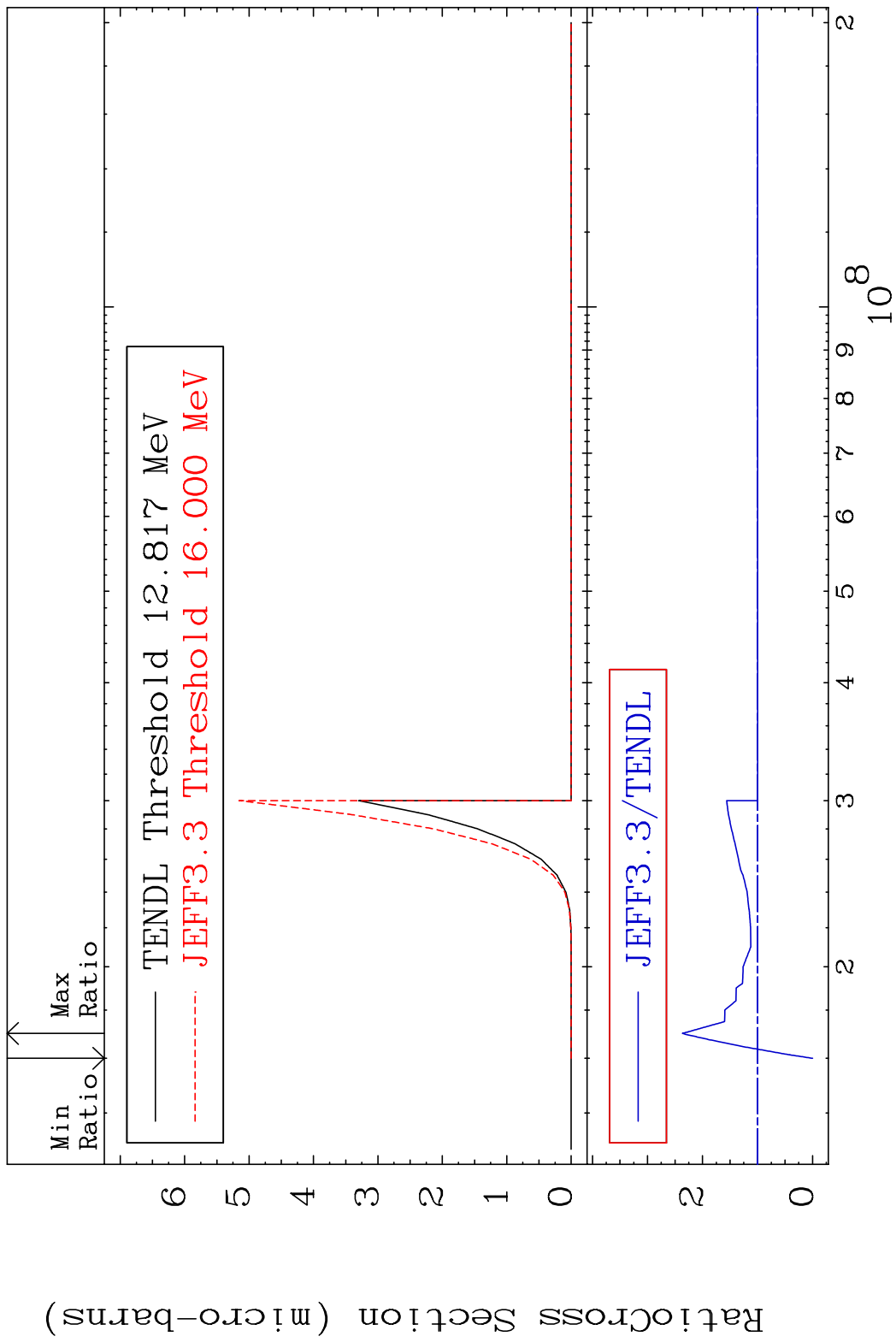
MAT 4834 (n, p) α :45-Rh-105g 48-Cd-109
 Radionuclide Production Cross Section 1800 d to 4915. %



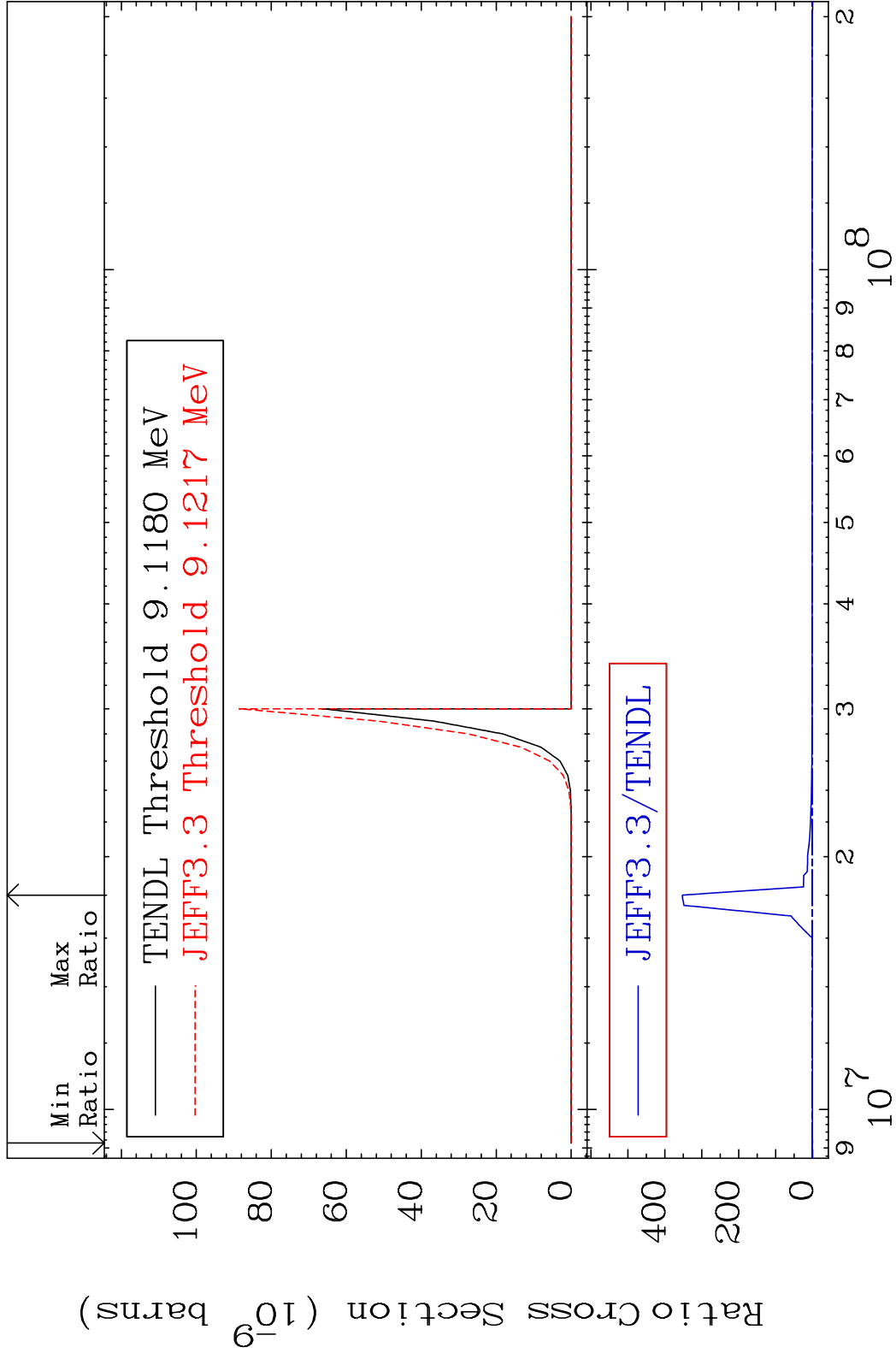
MAT 4834 (n, p) α : 45-Rh-105m1 48-Cd-109
 Radionuclide Production Cross Section 1800 d to 5370 . %





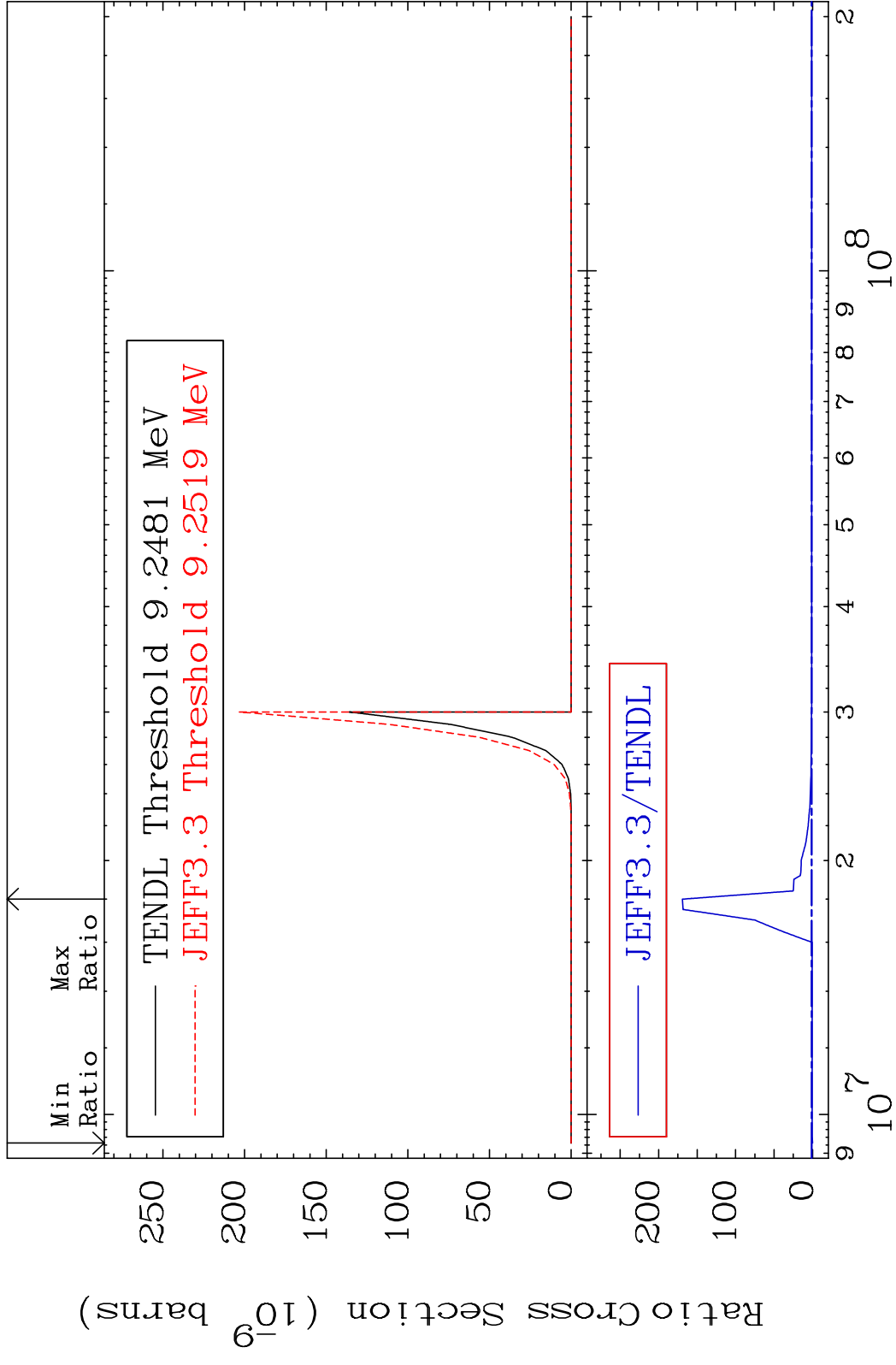


MAT 4834 (n, d) α :45-Rh-104g 48-Cd-109
 Radionuclide Production Cross Section Ratio 9999. %



106 Incident Energy (eV) 48-Cd-109

MAT 4834 (n, d) α : 45-Rh-104m3 48-Cd-109
 Radionuclide Production Cross Section 100% of 9999. %



107 Incident Energy (eV) 48-Cd-109