

Program Complot
(Version 2021-1)

by

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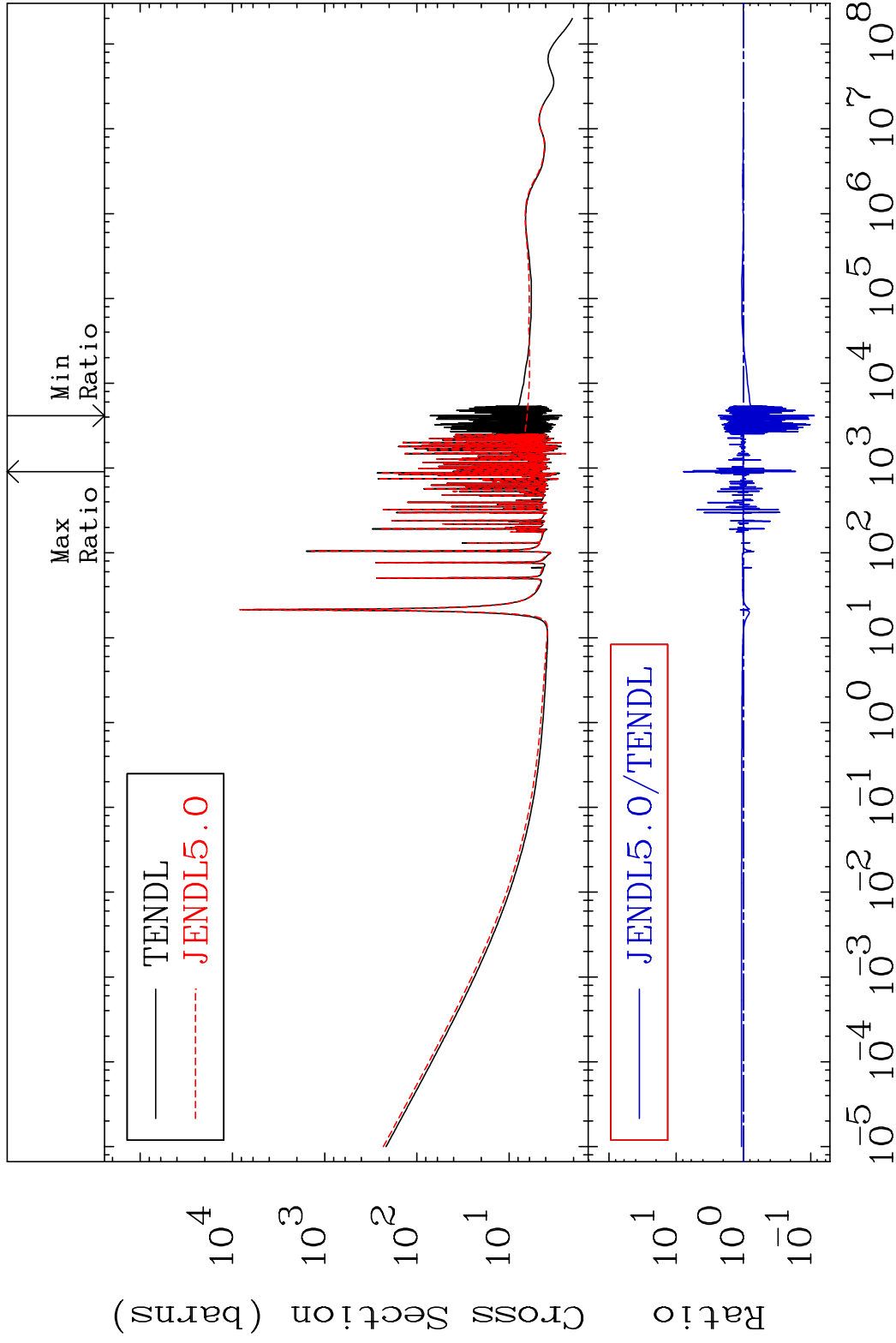
Press Mouse Button to Start

MAT 5131

Total

51-Sb-123

Cross Section -91.13 To 676.0 %



1

Incident Energy (eV)

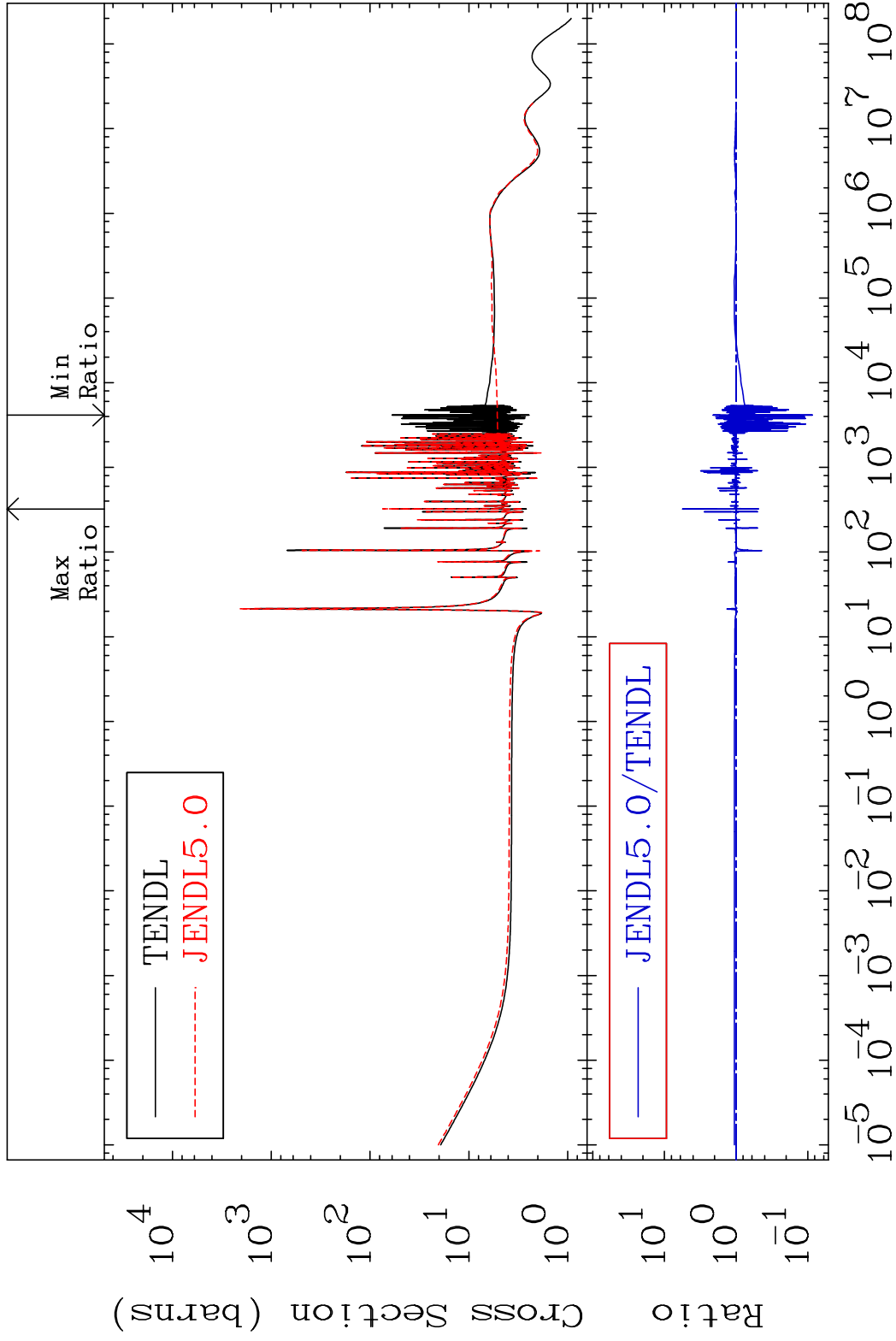
51-Sb-123

MAT 5131

Elastic

51-Sb-123

Cross Section -91.41 To 463.2 %



2

Incident Energy (eV)

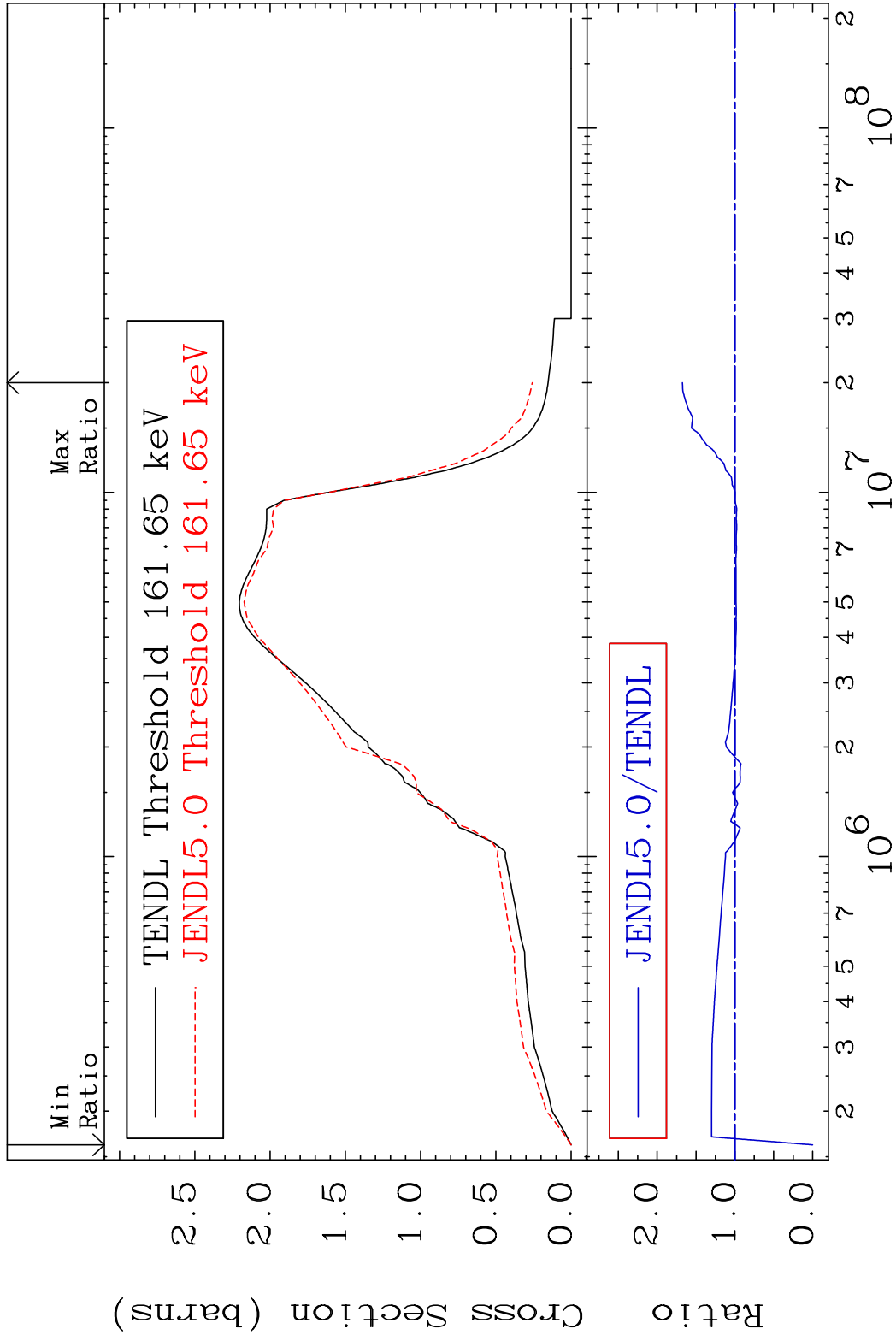
51-Sb-123

MAT 5131

Inelastic

51-Sb-123

Cross Section -100.0 To 67.60 %



3

Incident Energy (eV)

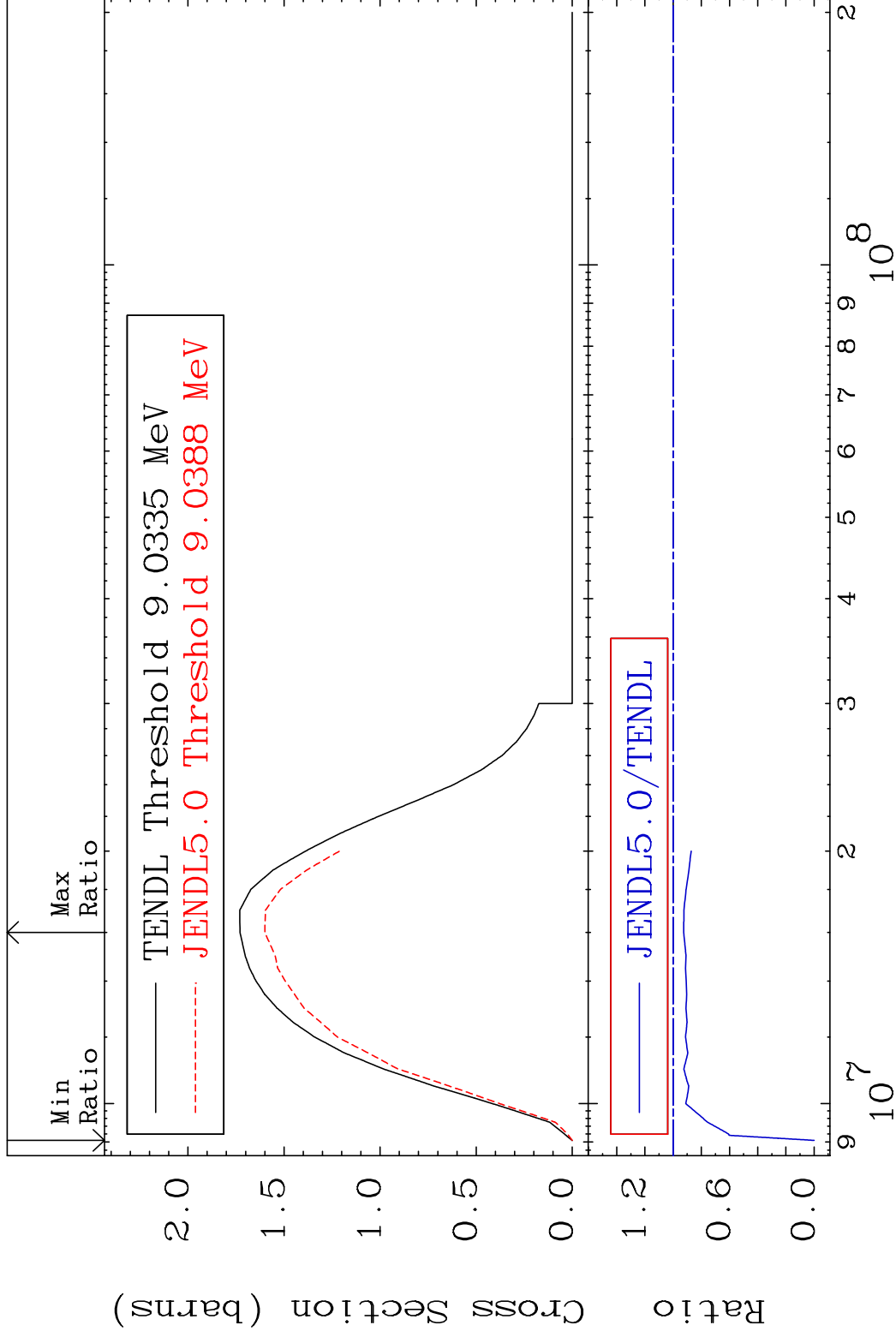
51-Sb-123

MAT 5131

(n,2n)

51-Sb-123

Cross Section -100.0 To -7.485%



4

Incident Energy (eV)

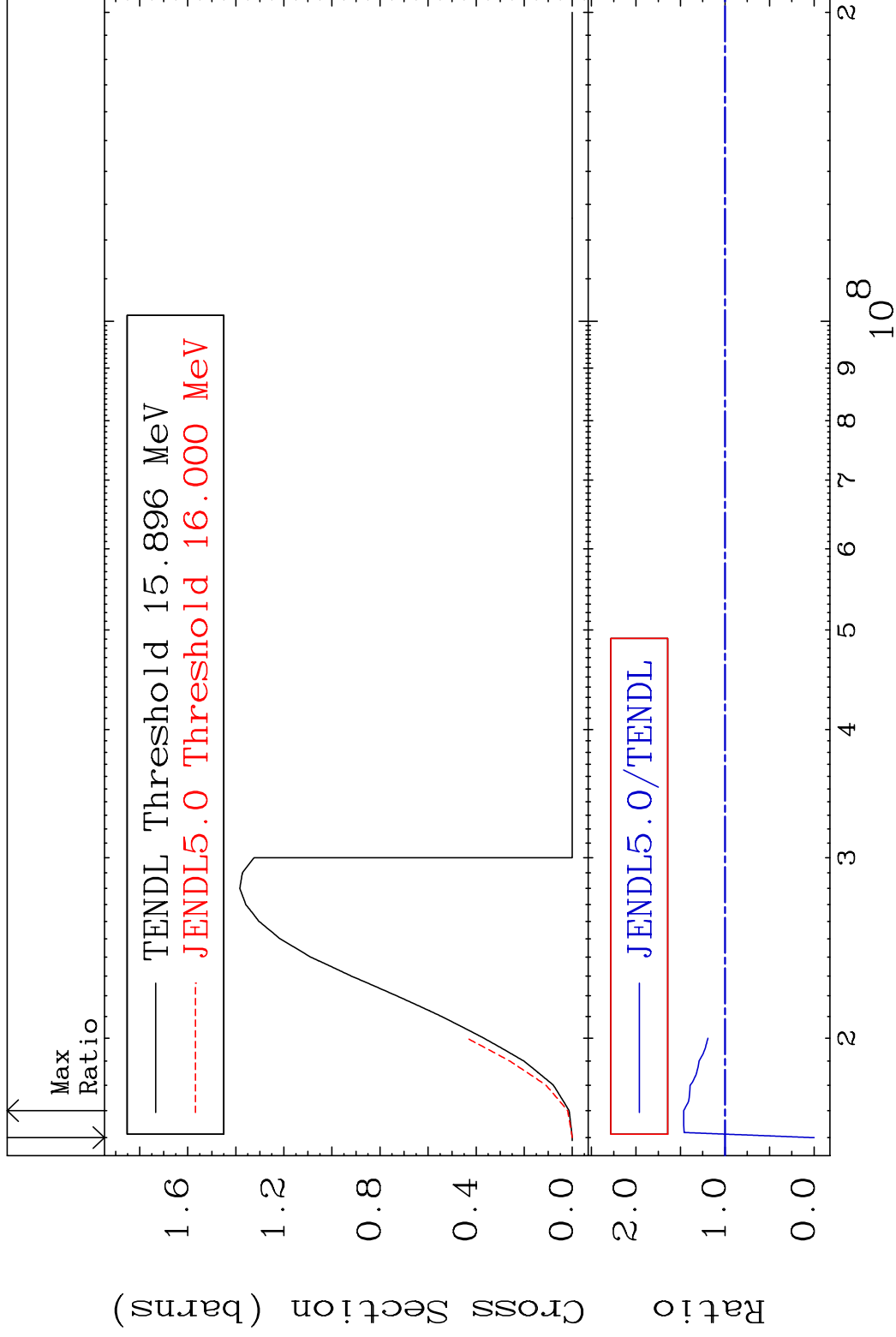
51-Sb-123

MAT 5131

(n,3n)

51-Sb-123

Cross Section -100.0 To 46.46 %



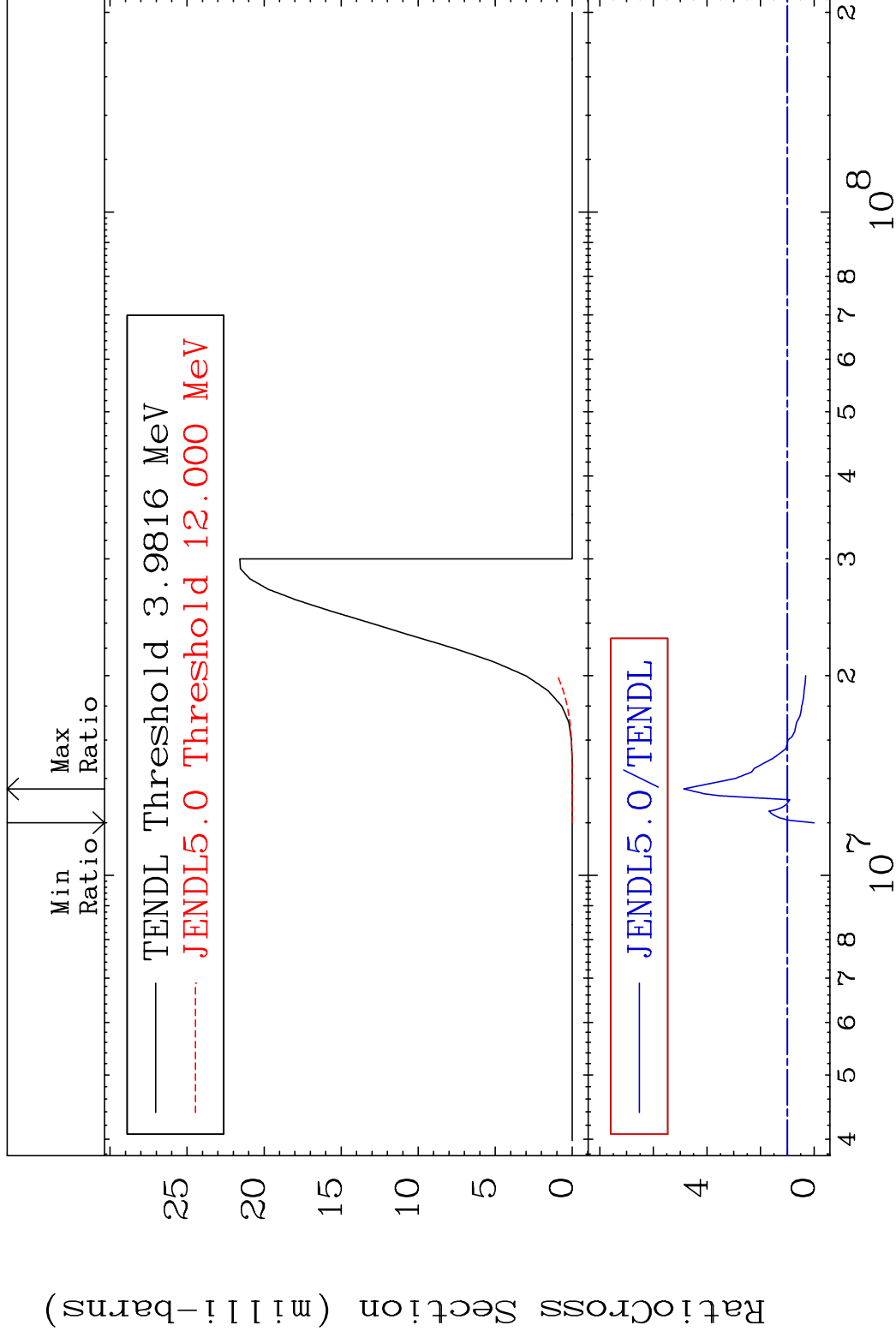
5

Incident Energy (eV)

51-Sb-123

MAT 5131

(n, n') α 51-Sb-123
Cross Section -100.0 To 387.1 %



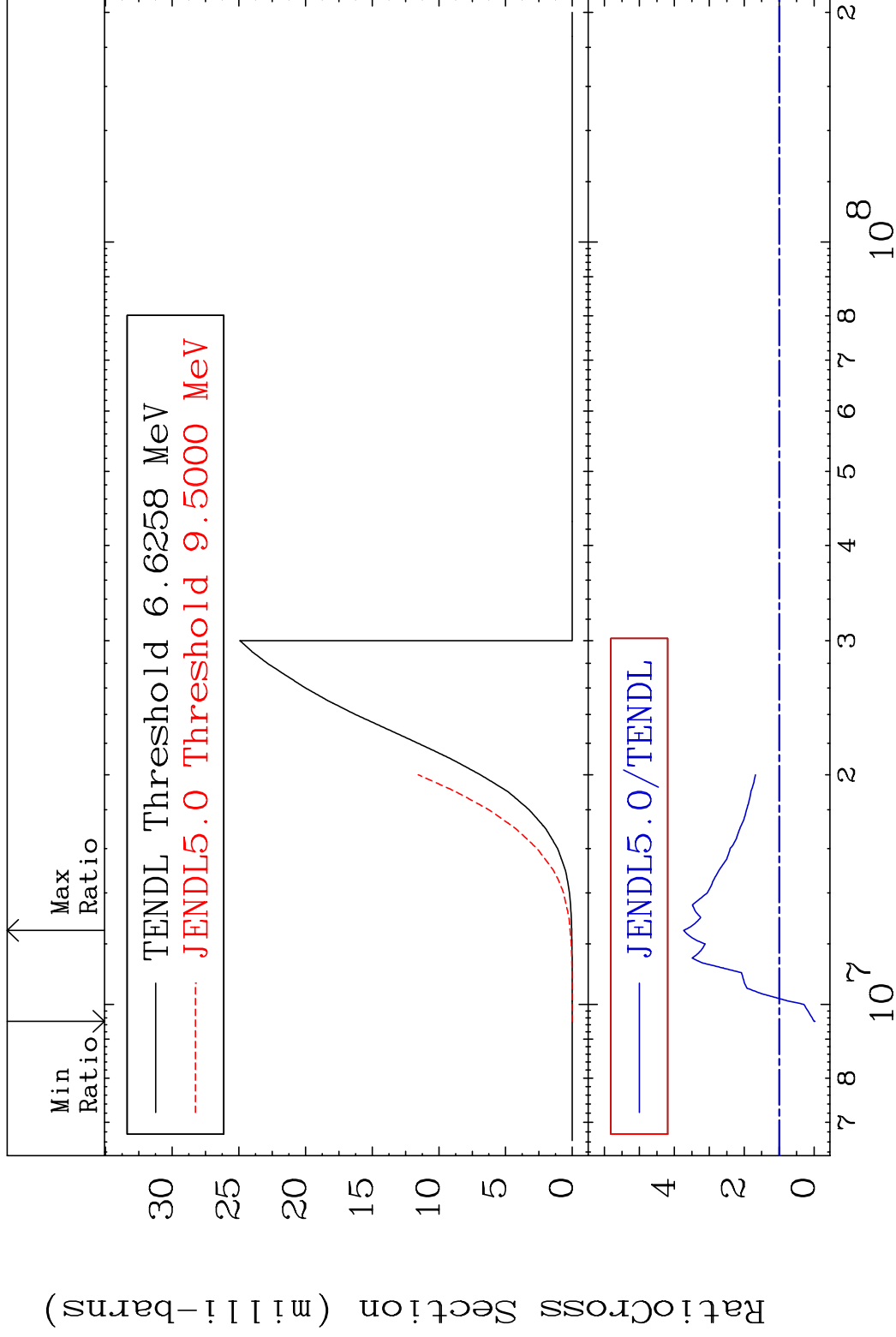
6

Incident Energy (eV)

51-Sb-123

MAT 5131

(n, n') p 51-Sb-123
Cross Section -100.0 To 273.4 %



7

Incident Energy (eV)

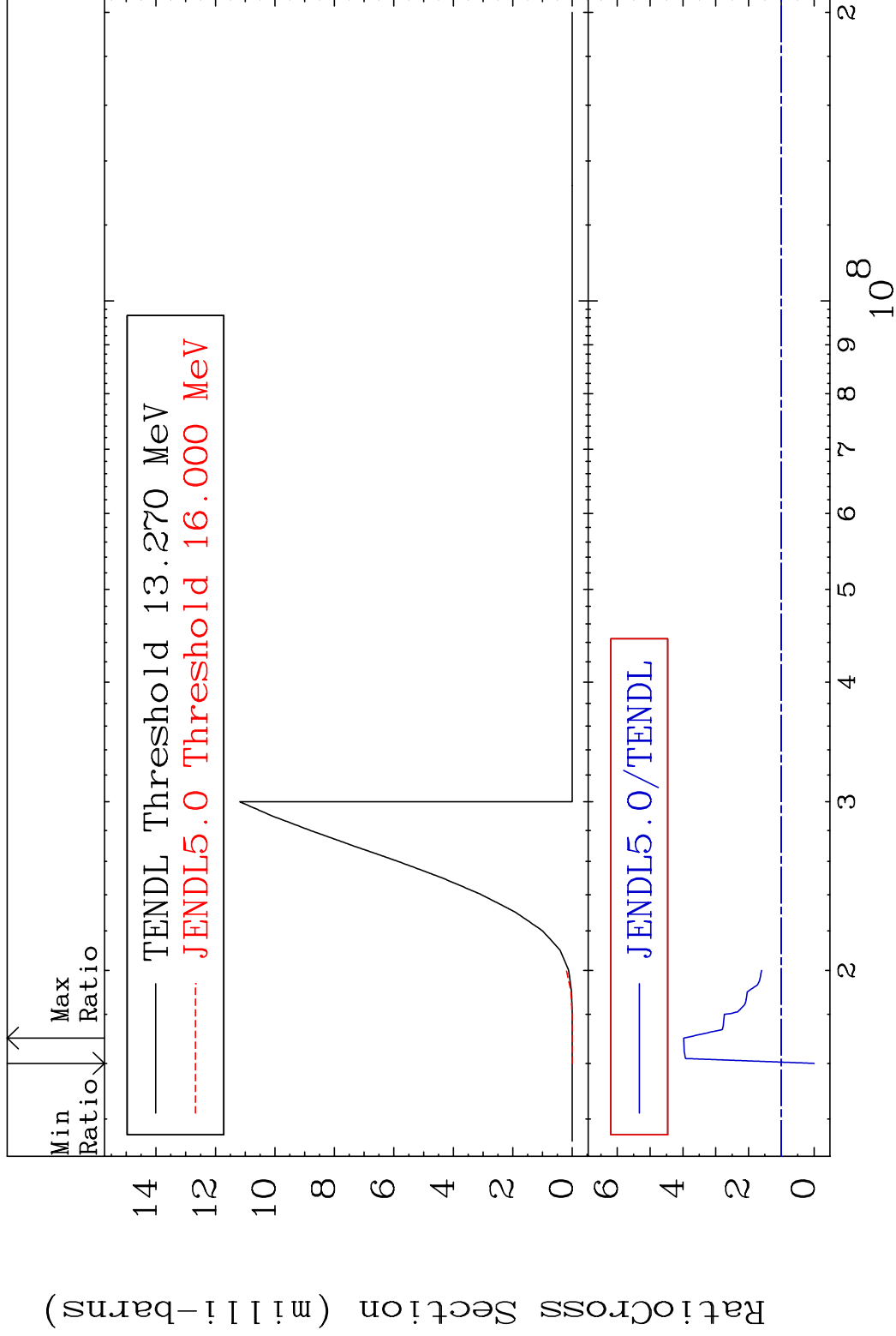
51-Sb-123

MAT 5131

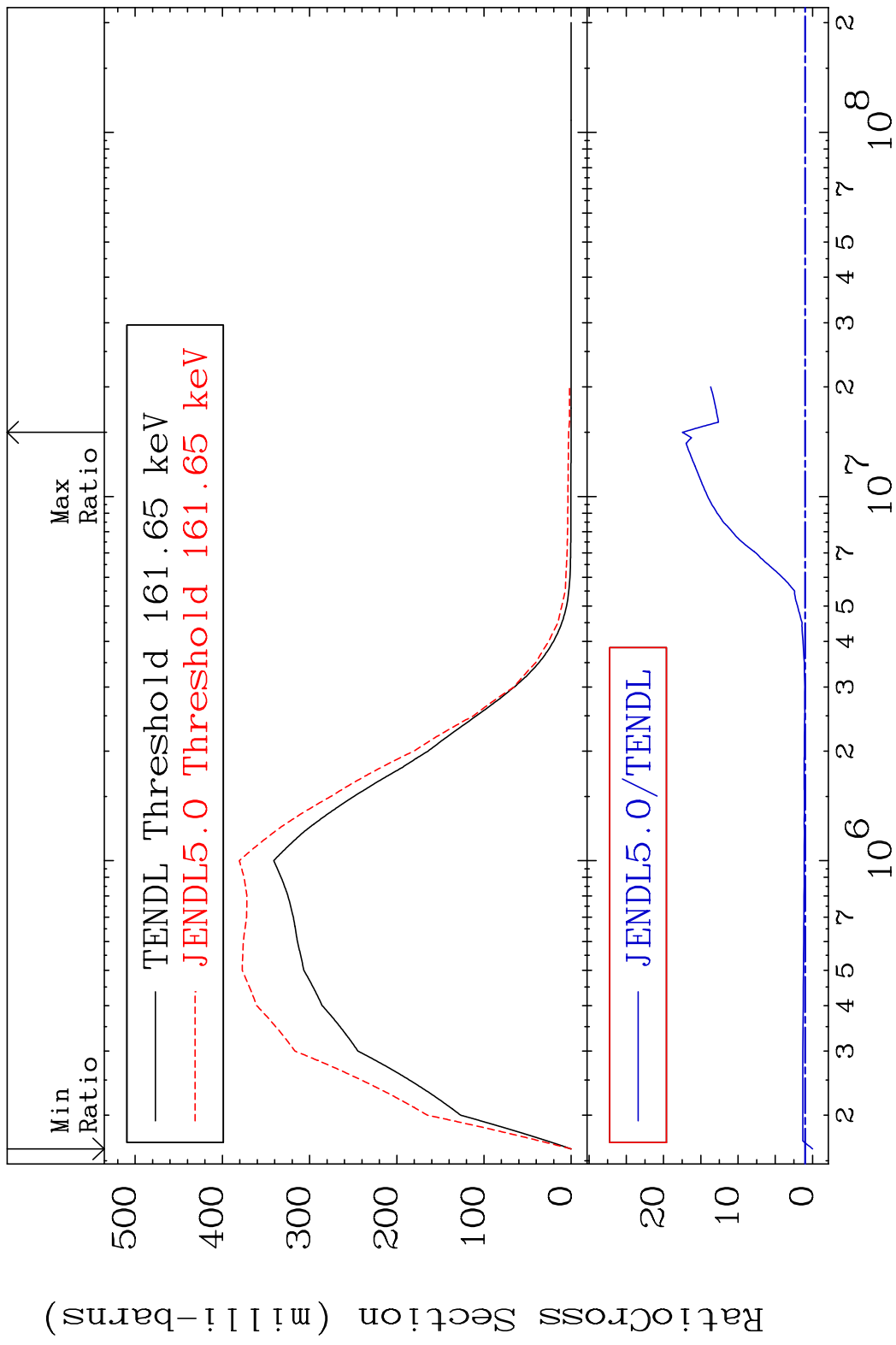
(n, n') d

51-Sb-123

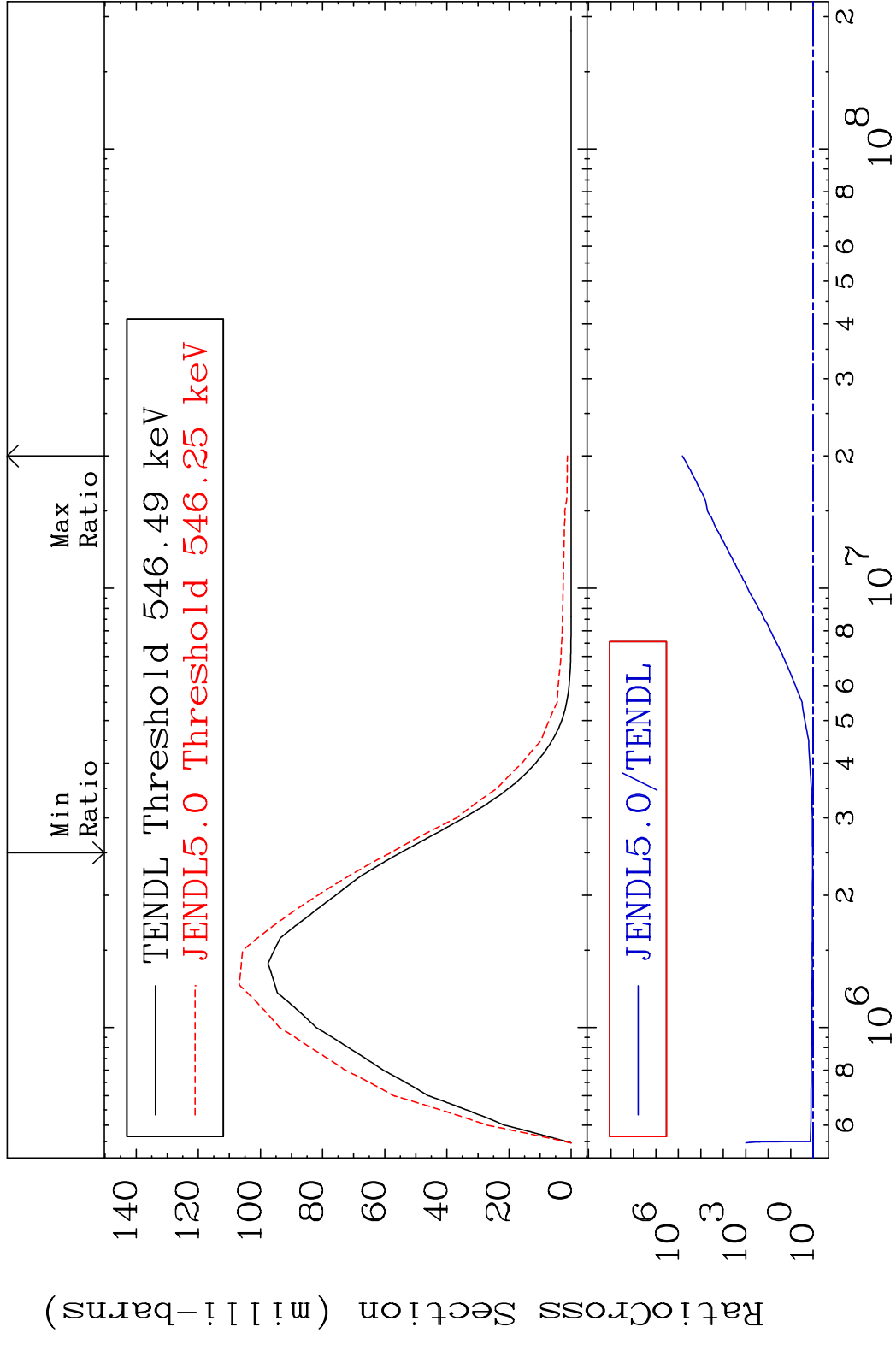
Cross Section -100.0 To 297.7 %



MAT 5131 MT= 51 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 1648. %

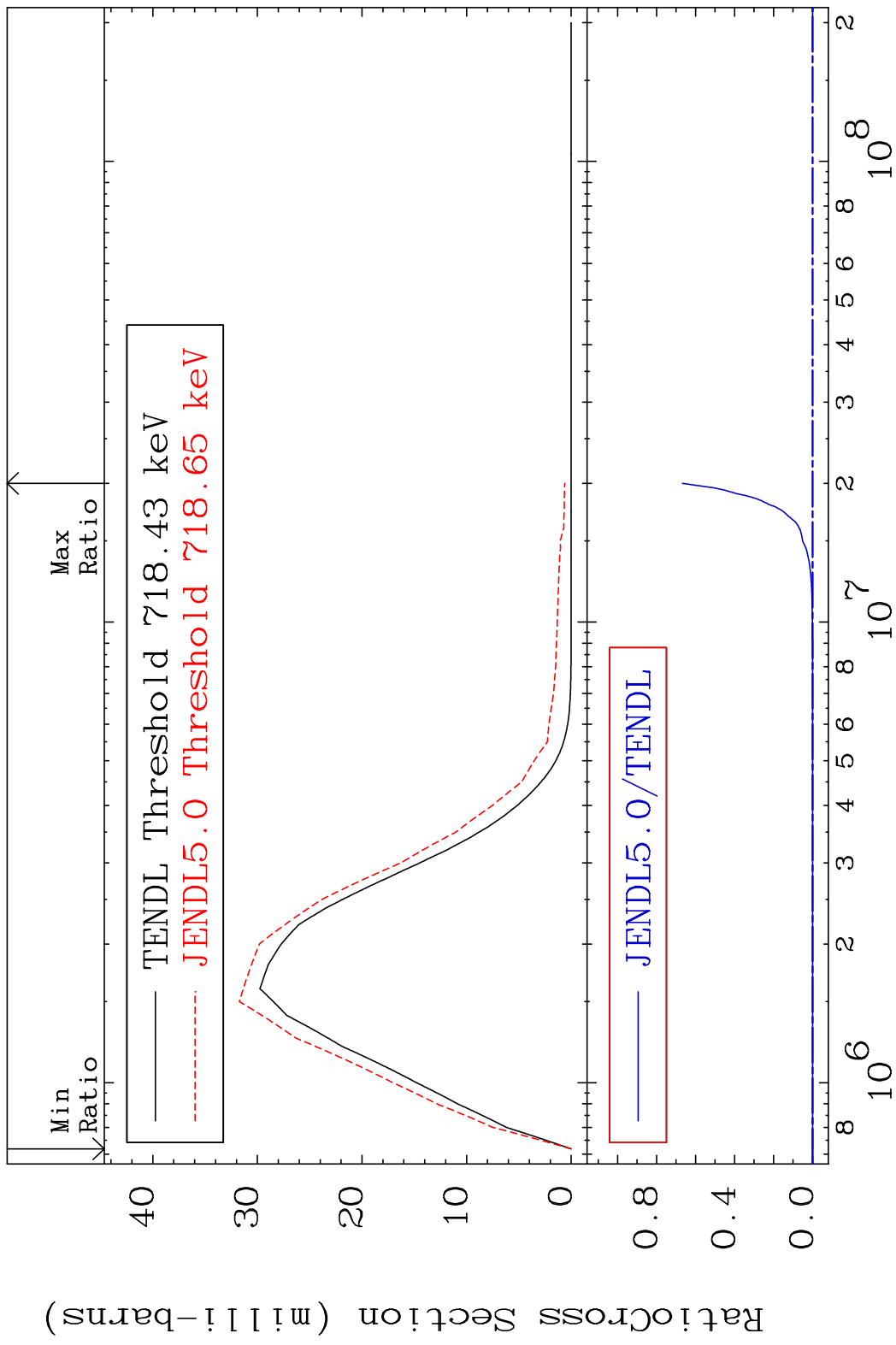


MAT 5131 MT= 52 (n, n') Level 51-Sb-123
 Cross Section 5.753 To 9999. %

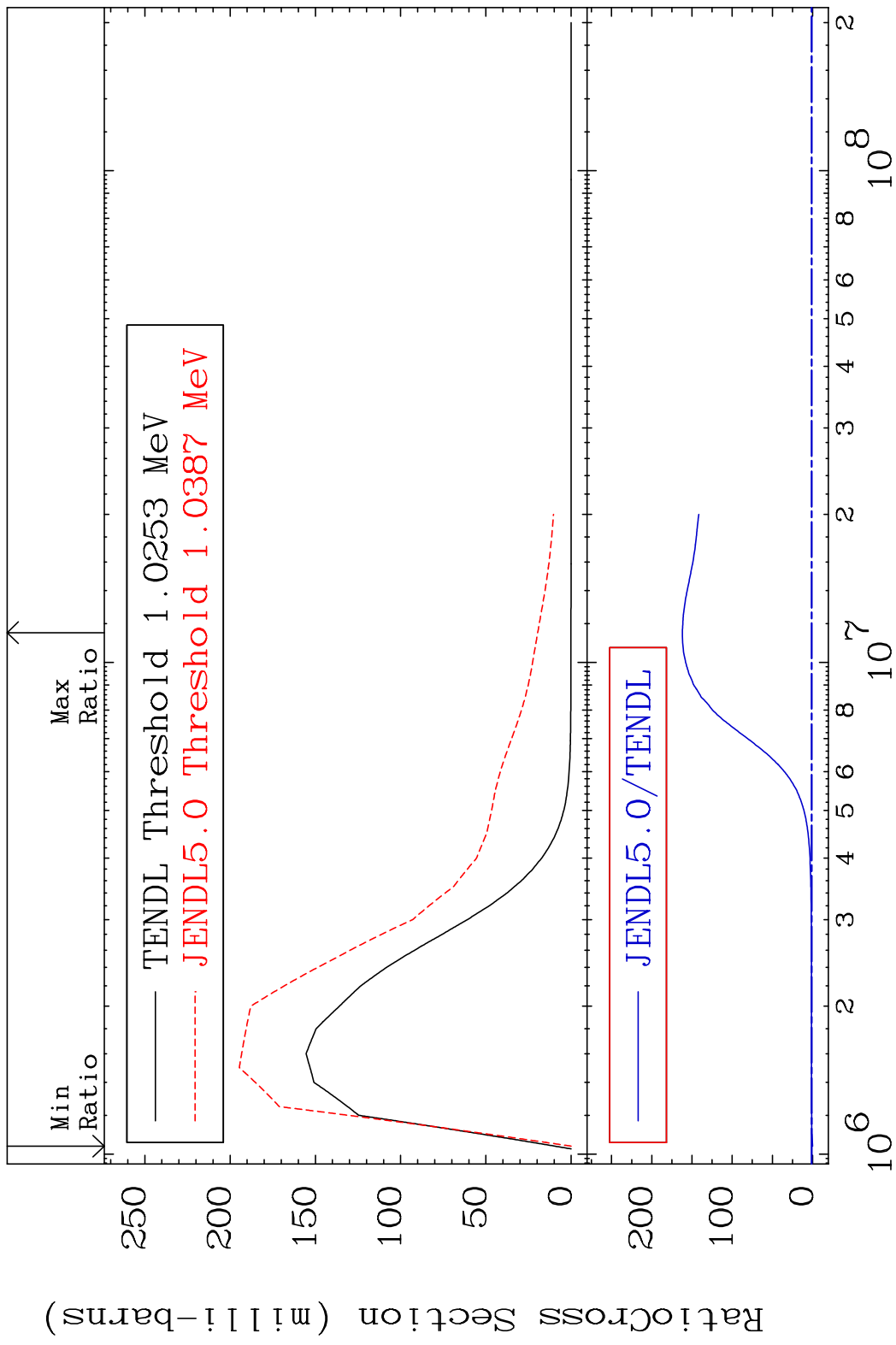


10 Incident Energy (eV) 51-Sb-123

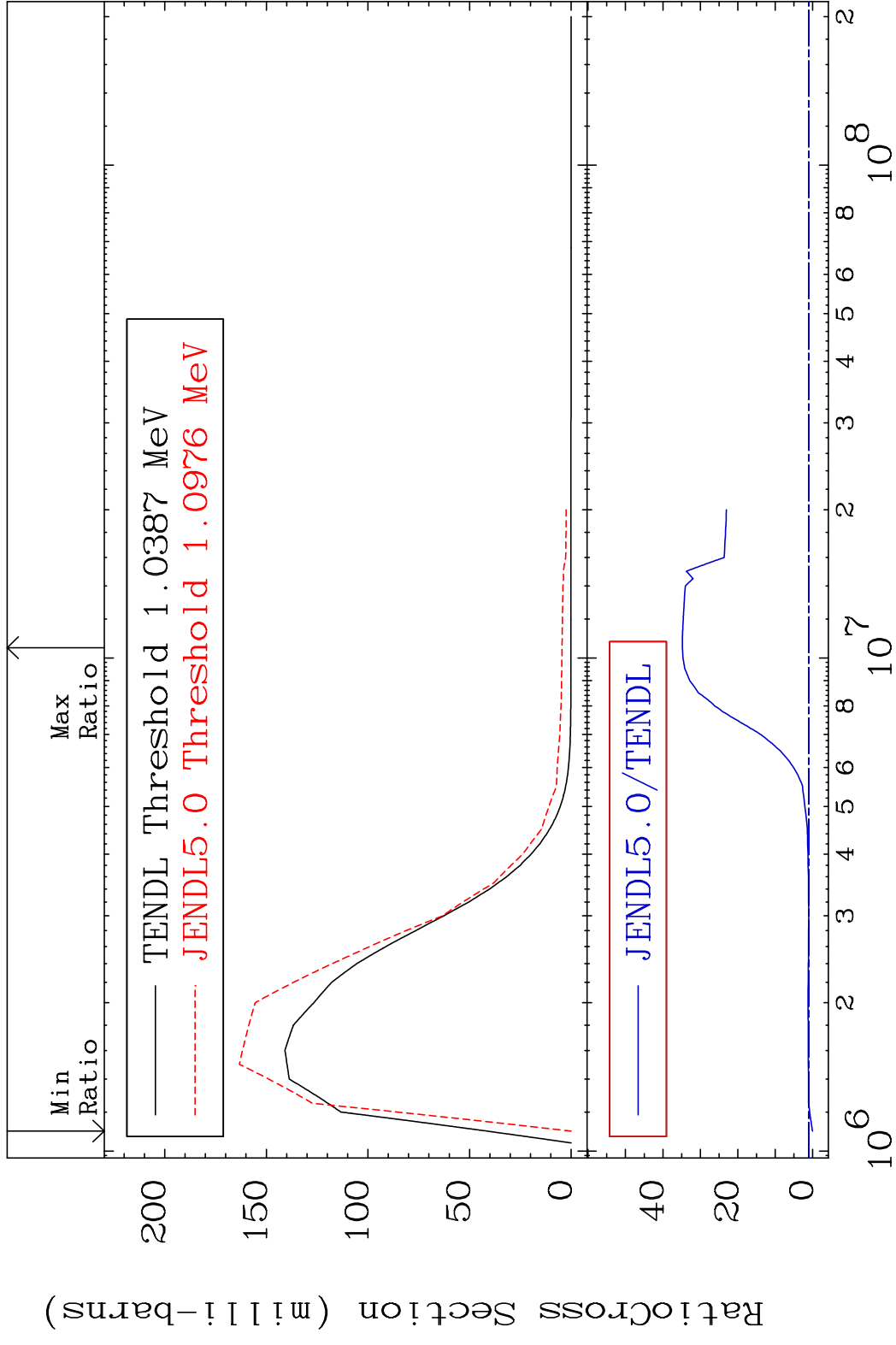
MAT 5131 MT= 53 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 9999. %



MAT 5131 MT= 54 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 9999. %

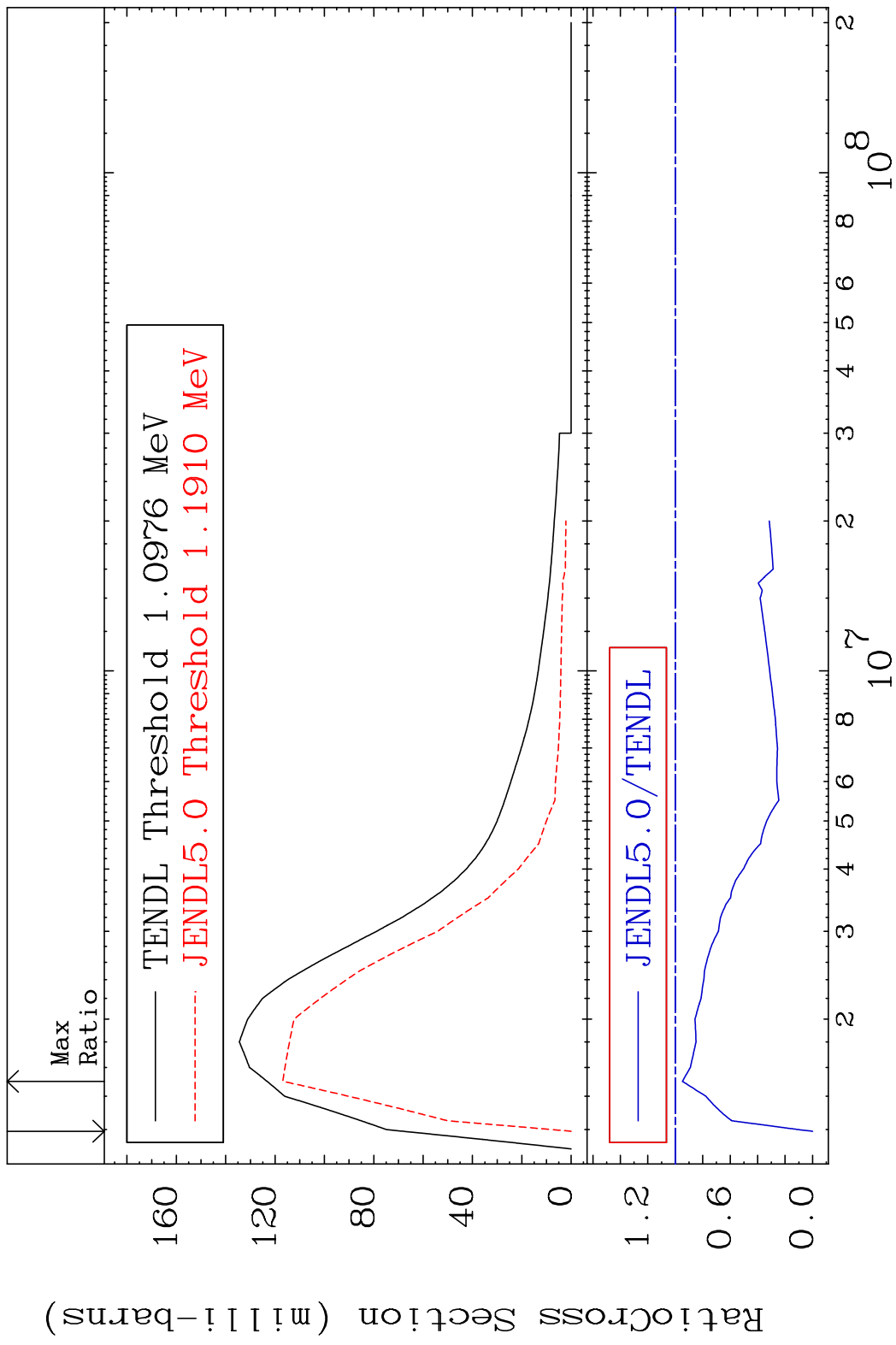


MAT 5131 MT= 55 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 3380. %

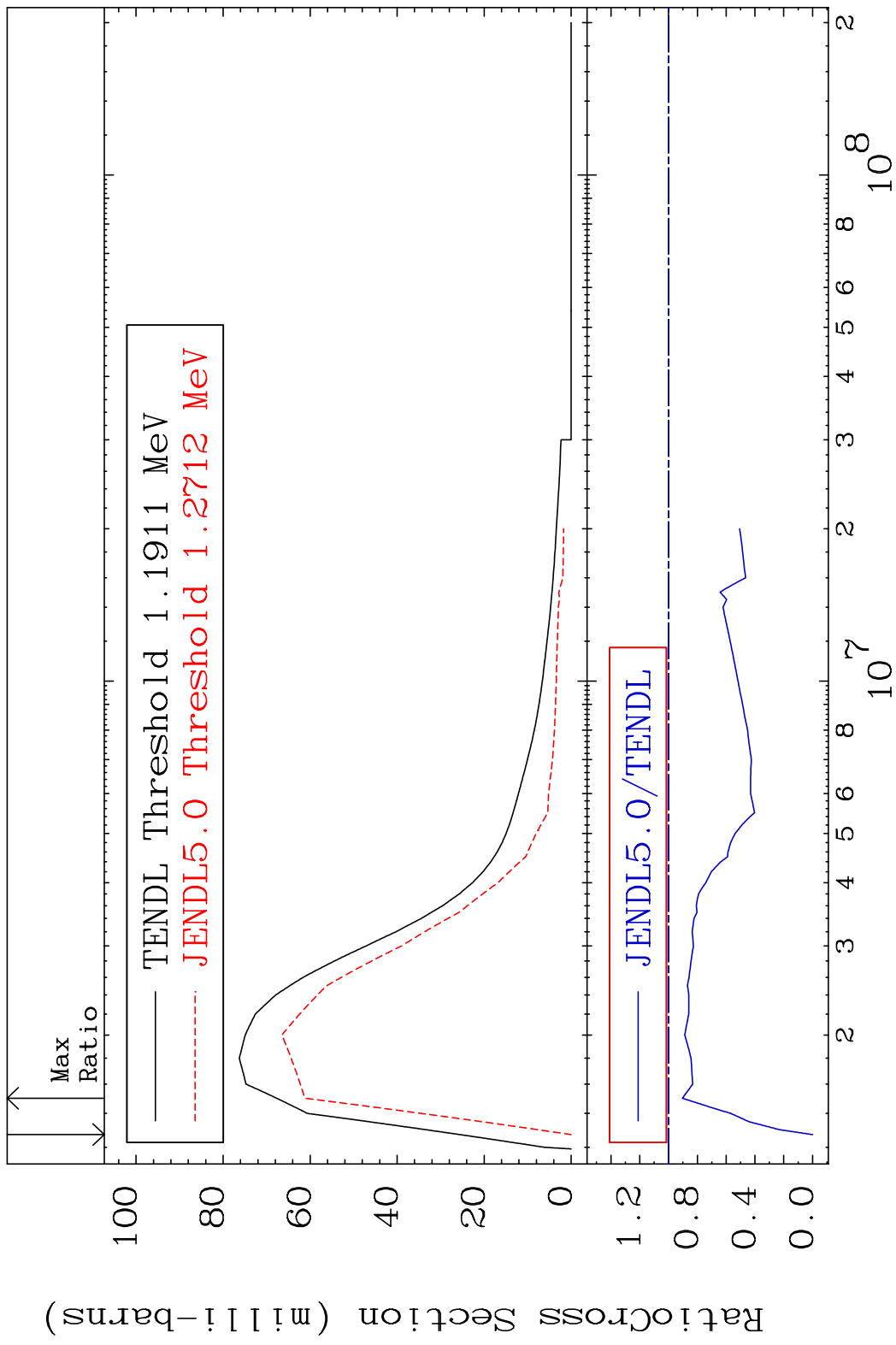


13 Incident Energy (eV) 51-Sb-123

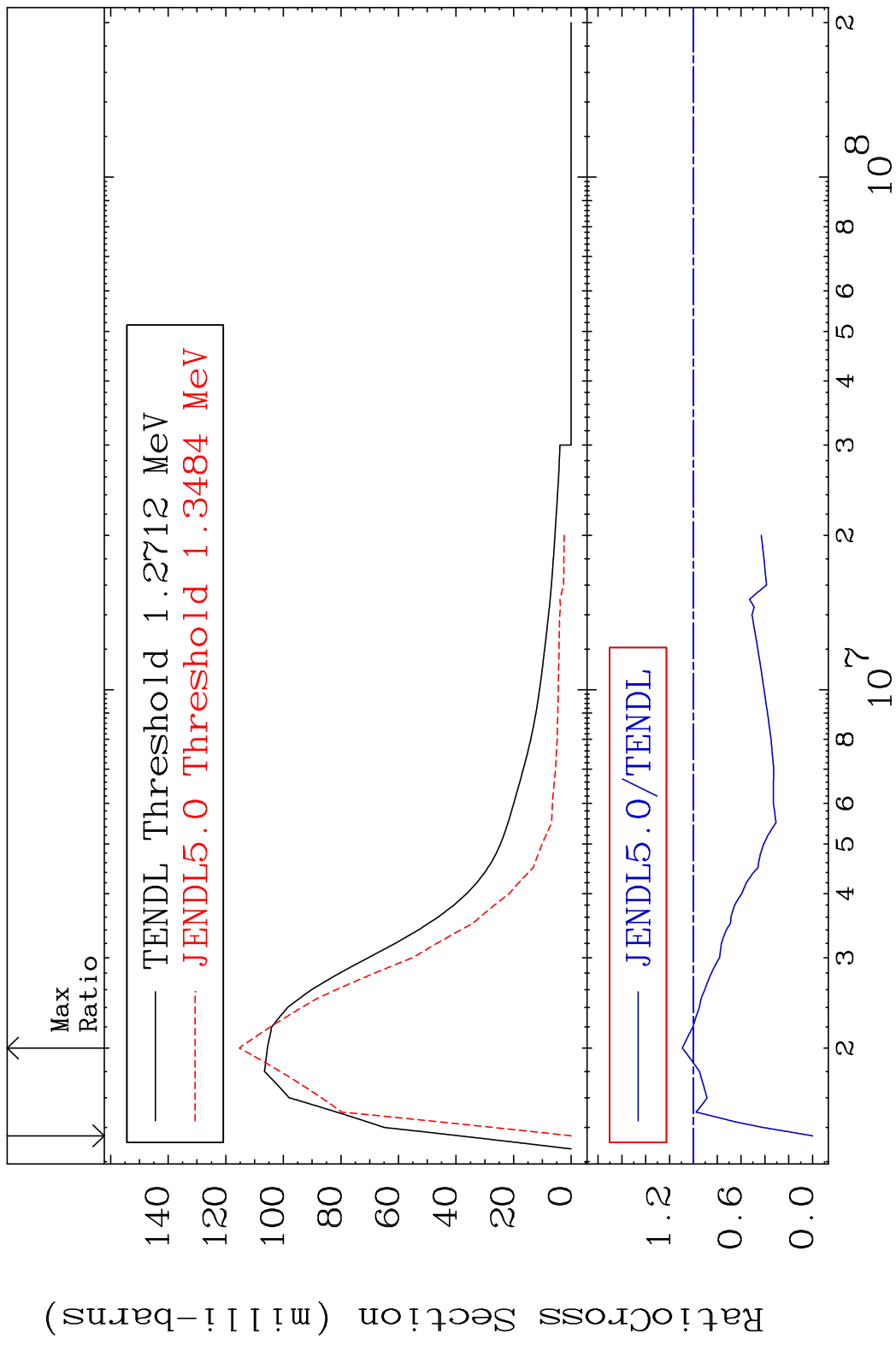
MAT 5131 MT= 56 (n,n') Level 51-Sb-123
 Cross Section -100.0 To -5.154%



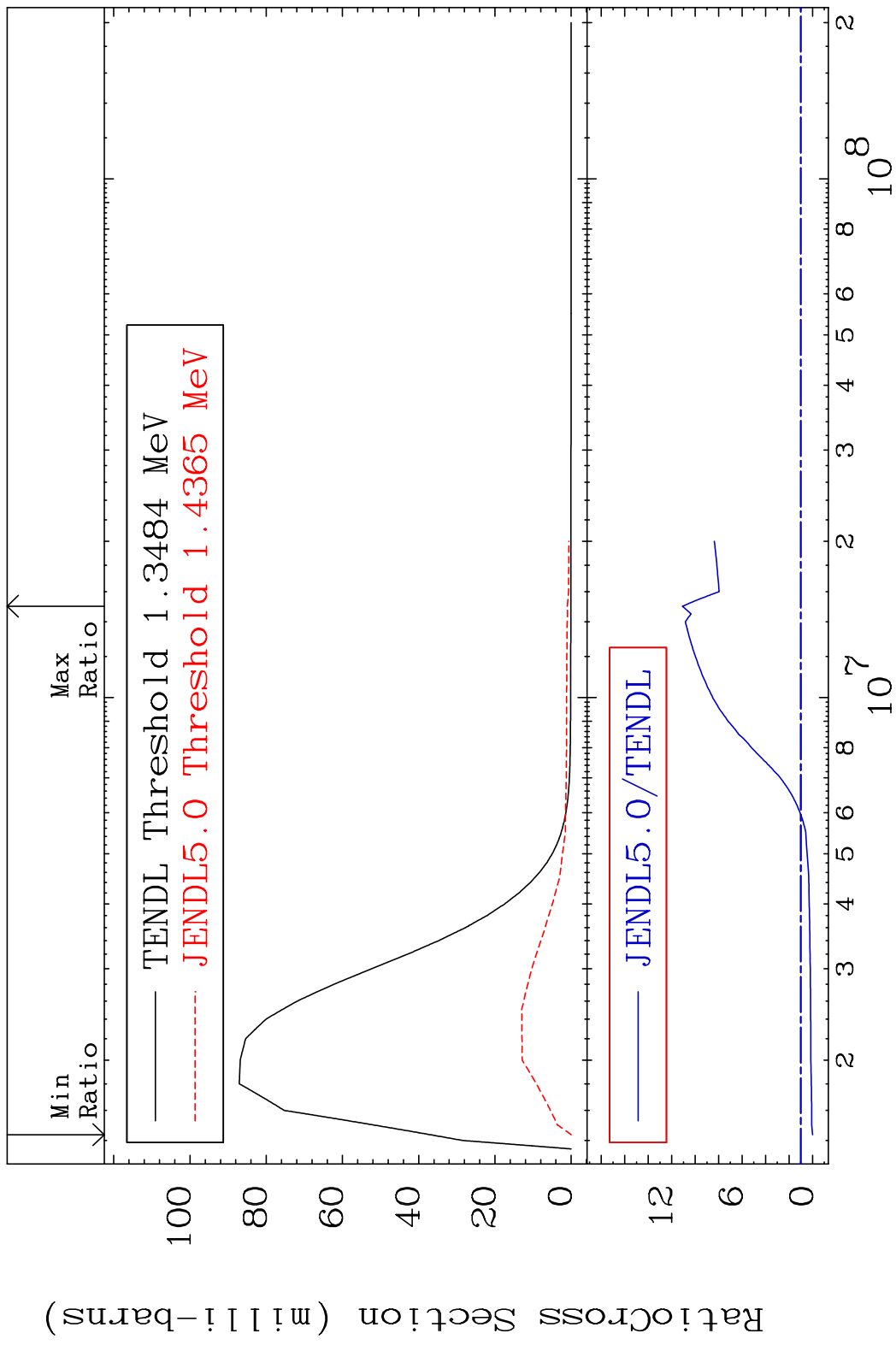
MAT 5131 MT= 57 (n,n') Level 51-Sb-123
 Cross Section -100.0 To -9.598%



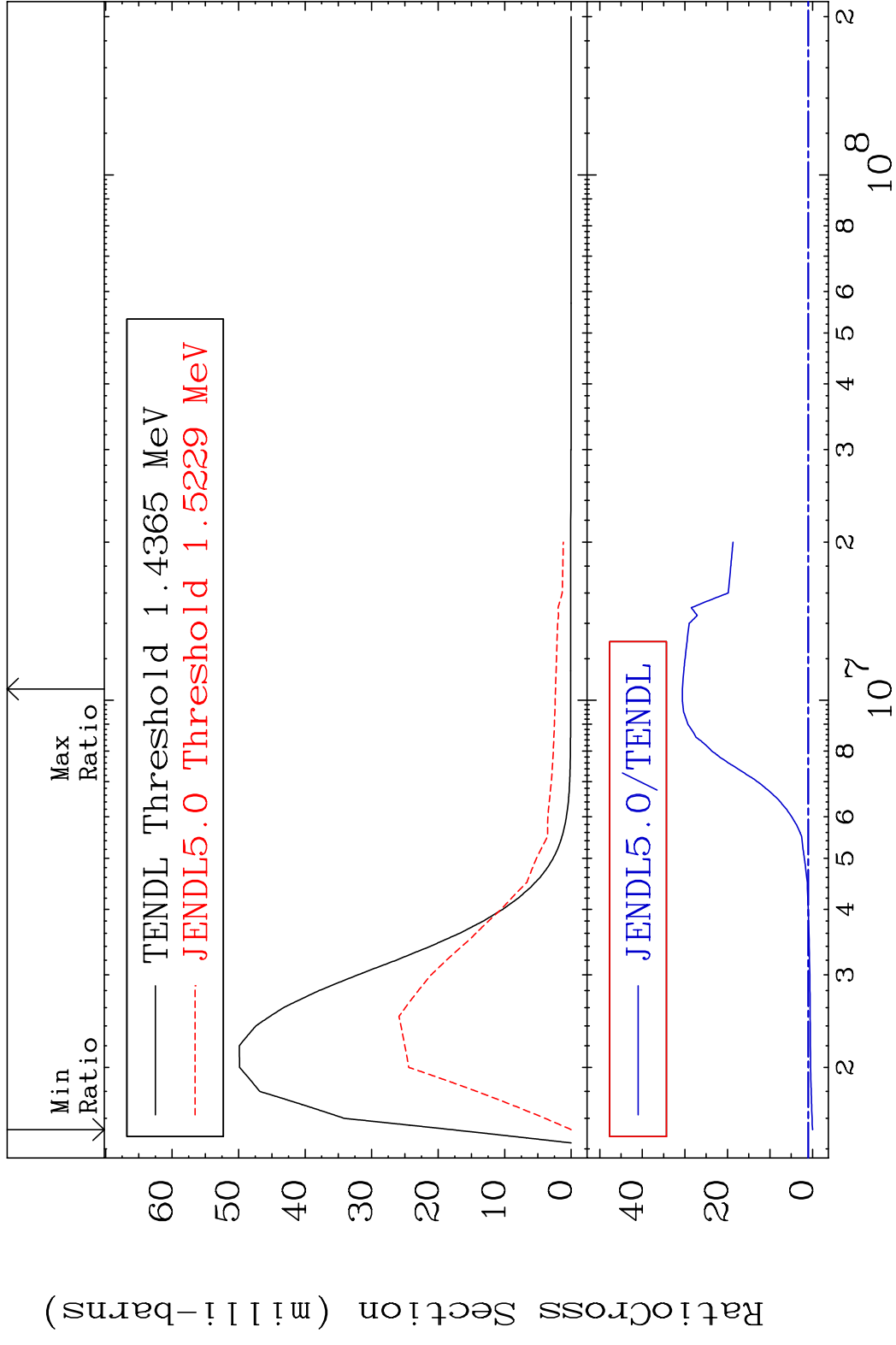
MAT 5131 MT= 58 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 9.247 %



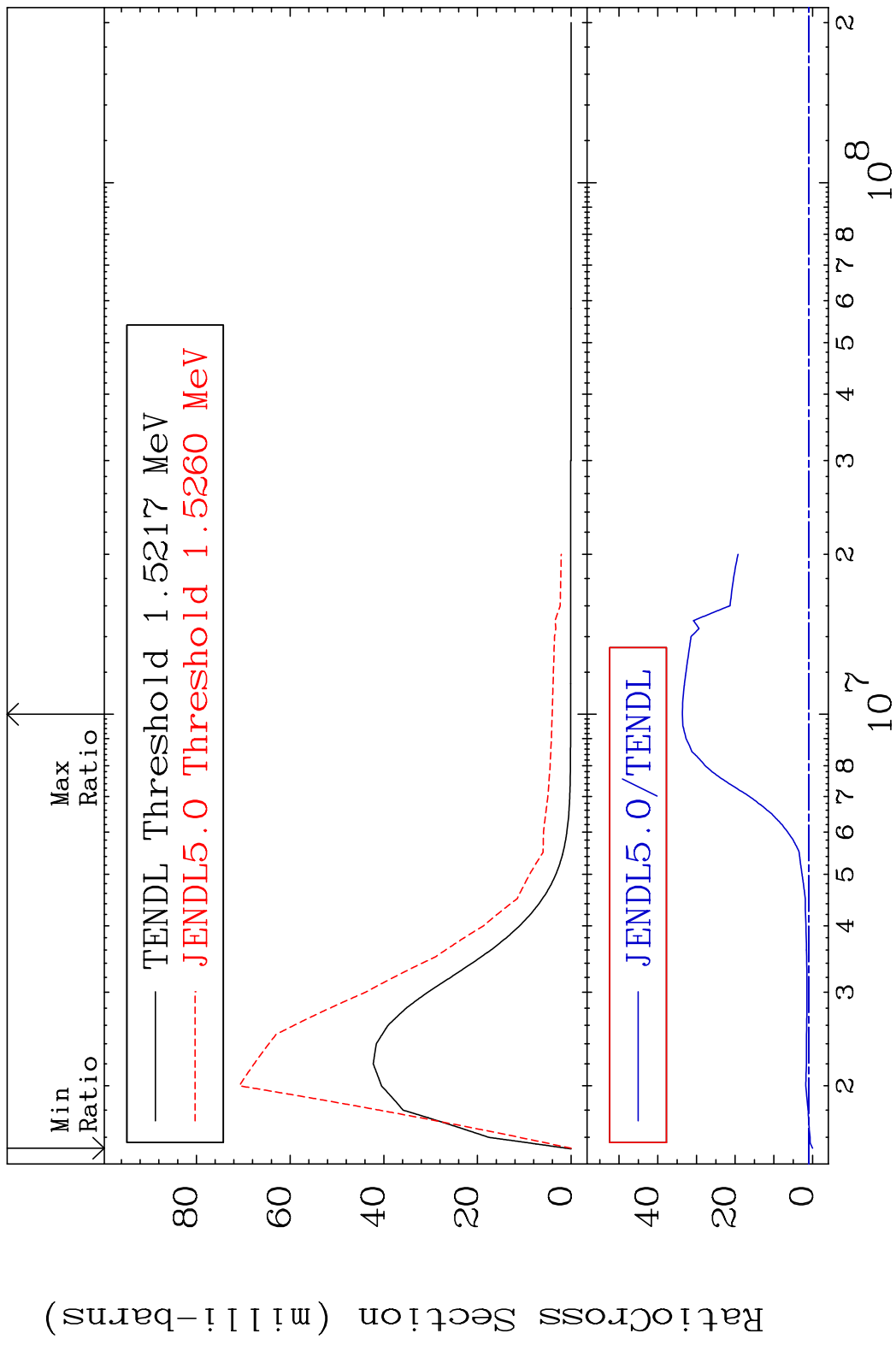
MAT 5131 MT= 59 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 1009. %



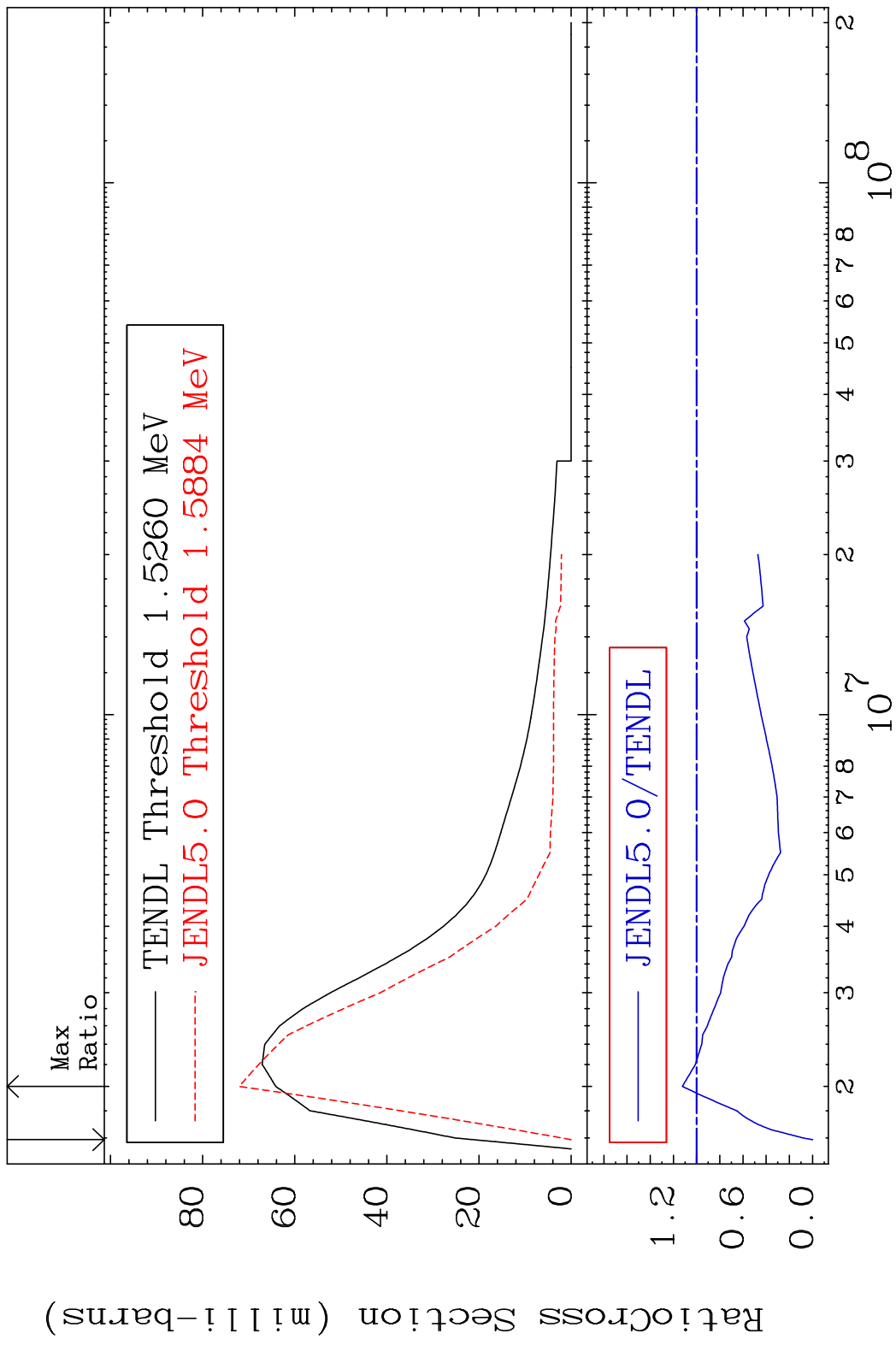
MAT 5131 MT= 60 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 2960. %



MAT 5131 MT= 61 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 3265. %

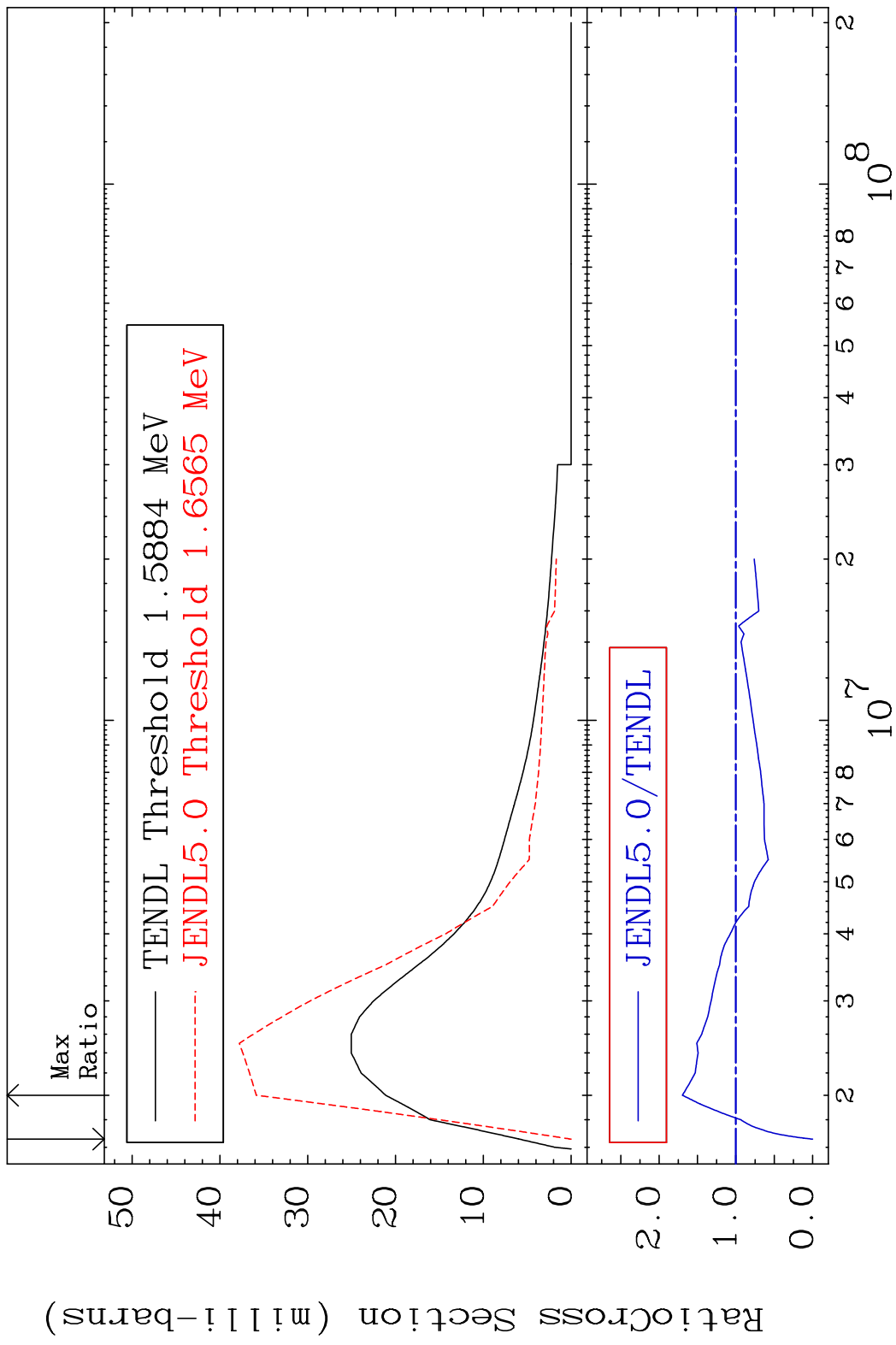


MAT 5131 MT= 62 (n,n') Level 51-Sb-123
 Cross Section -100.0 To 12.31 %

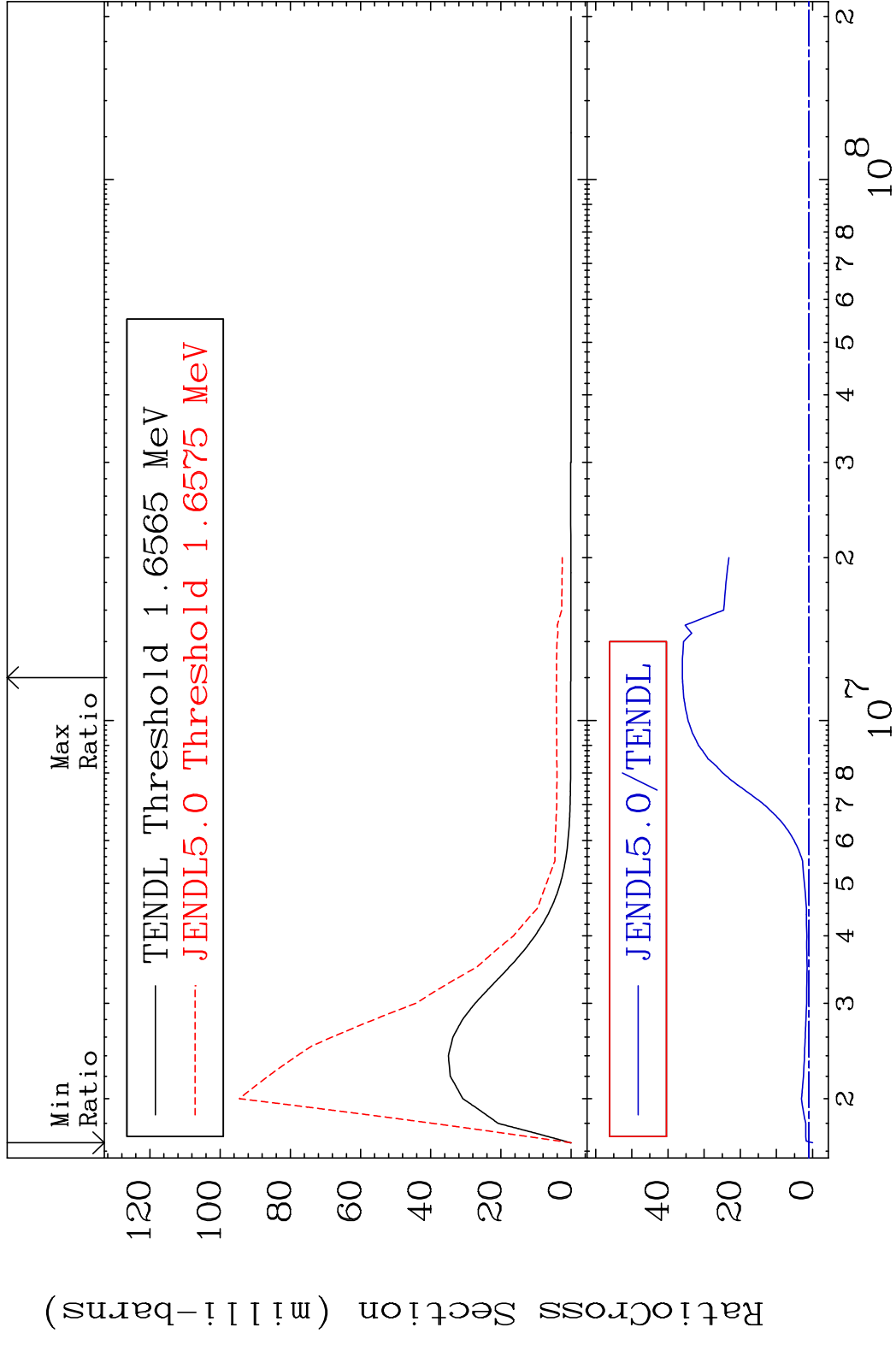


20 Incident Energy (eV) 51-Sb-123

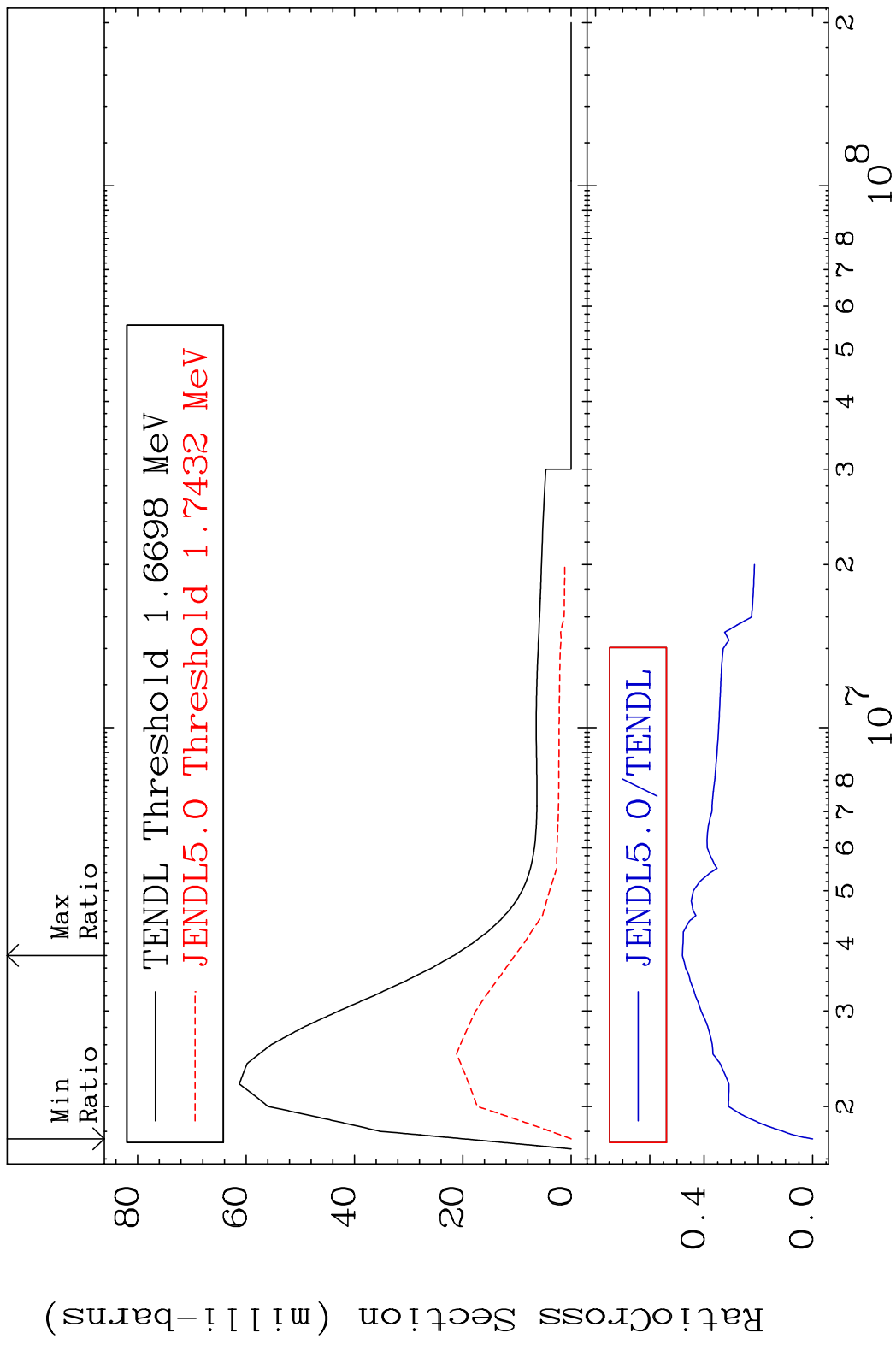
MAT 5131 MT= 63 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 69.74 %



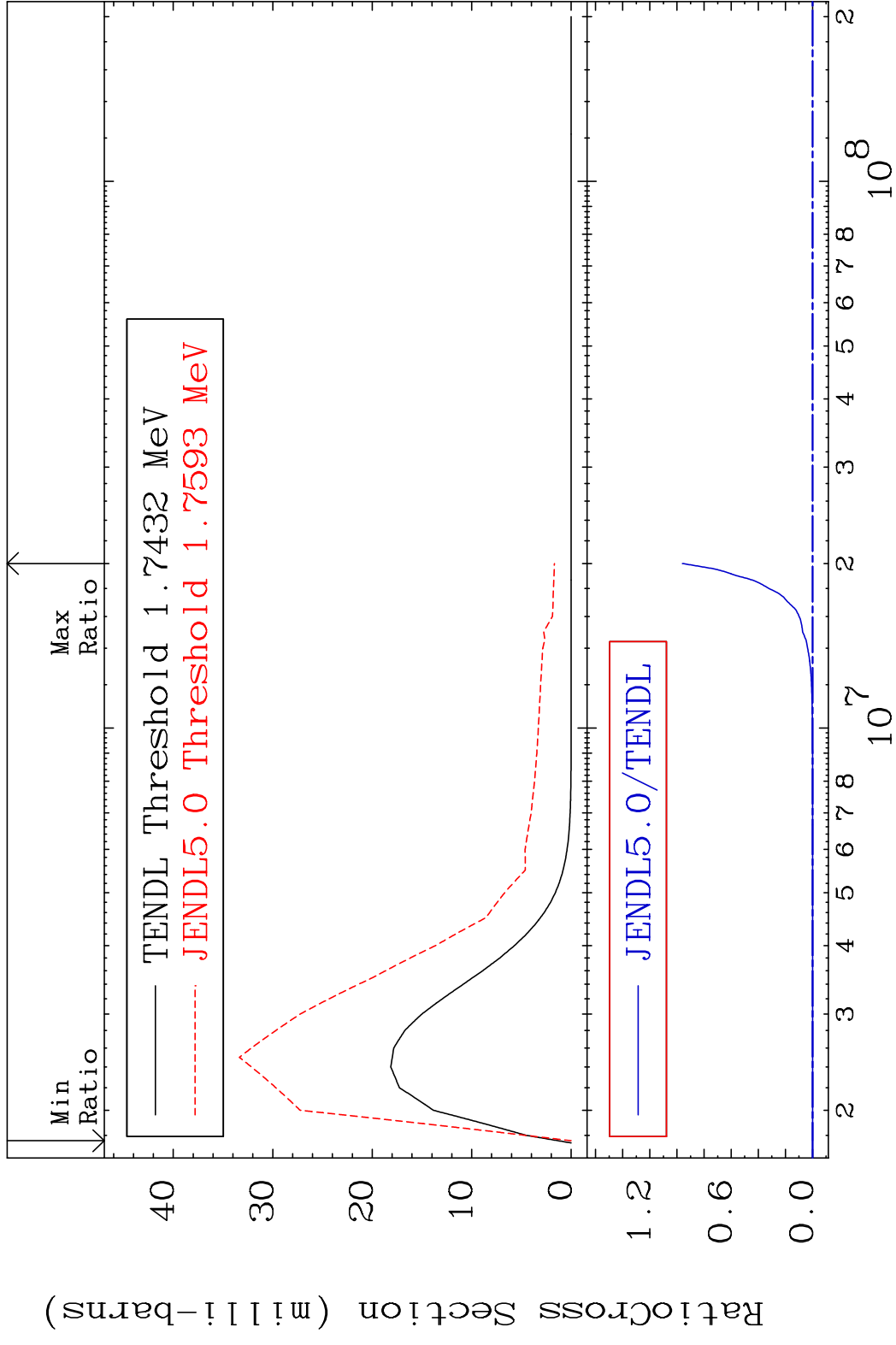
MAT 5131 MT= 64 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 3502. %



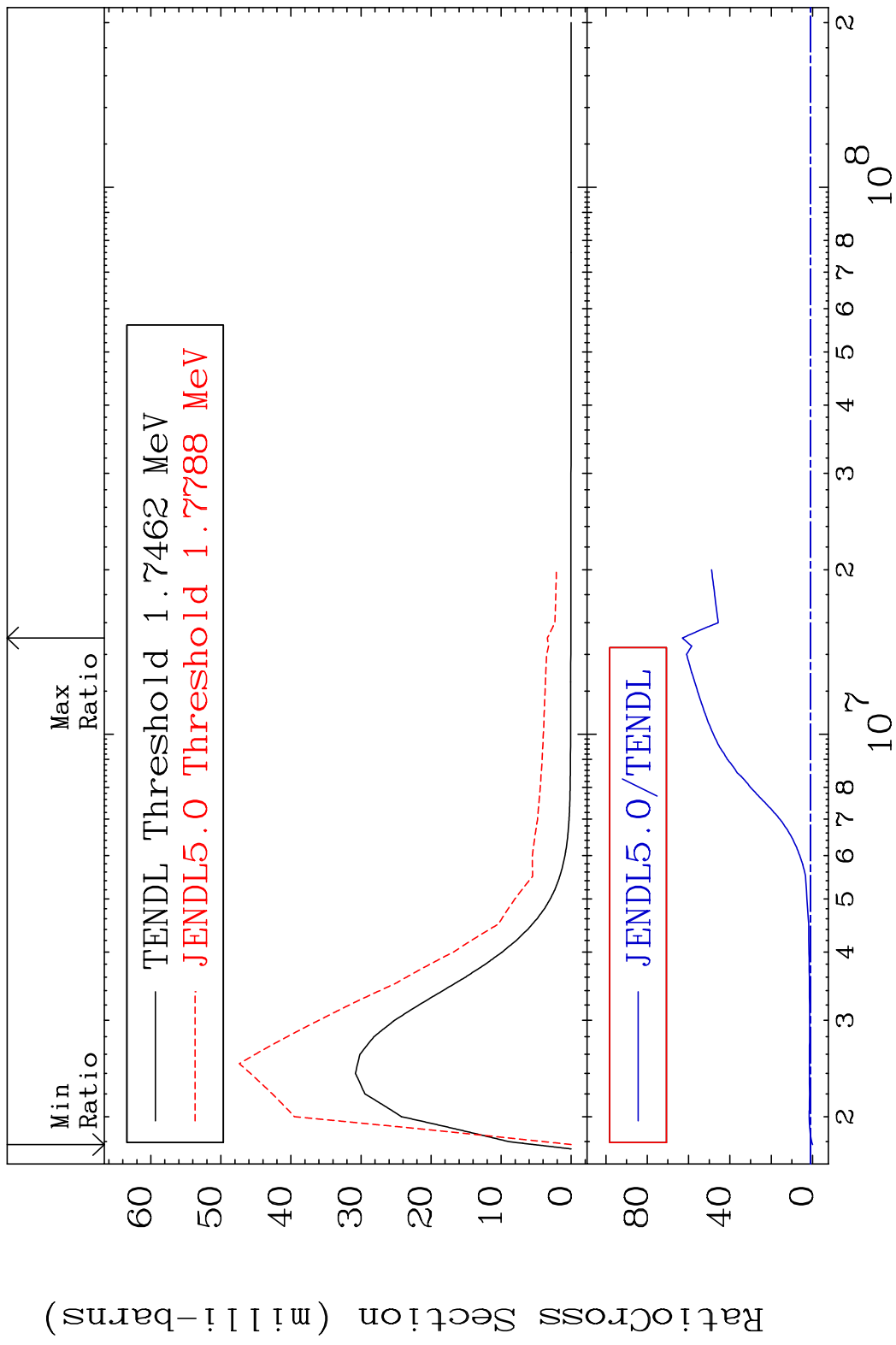
MAT 5131 MT= 65 (n,n') Level 51-Sb-123
 Cross Section -100.0 To -51.99%



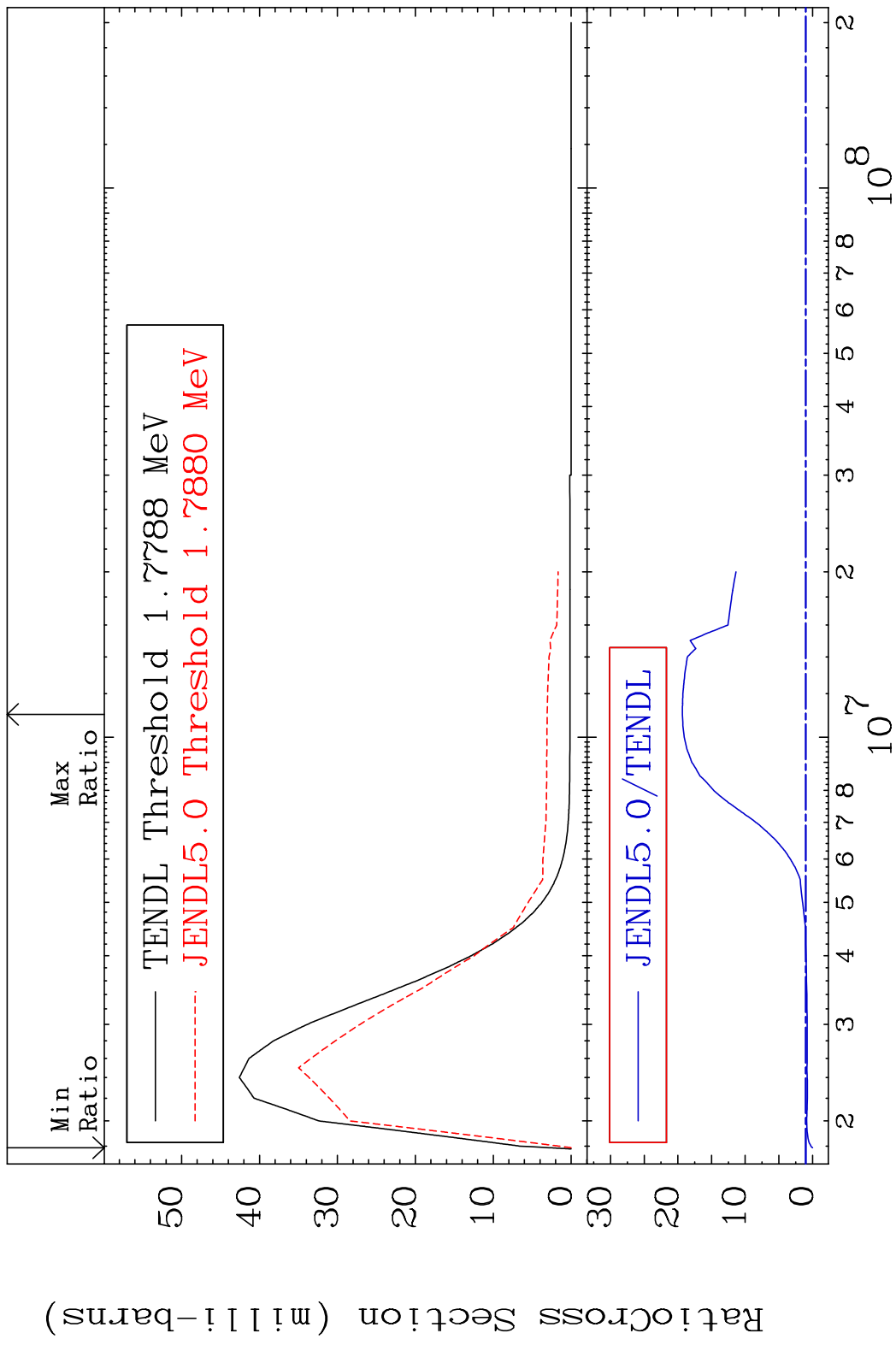
MAT 5131 MT= 66 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 9999. %



MAT 5131 MT= 67 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 6200. %



MAT 5131 MT= 68 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 1833. %

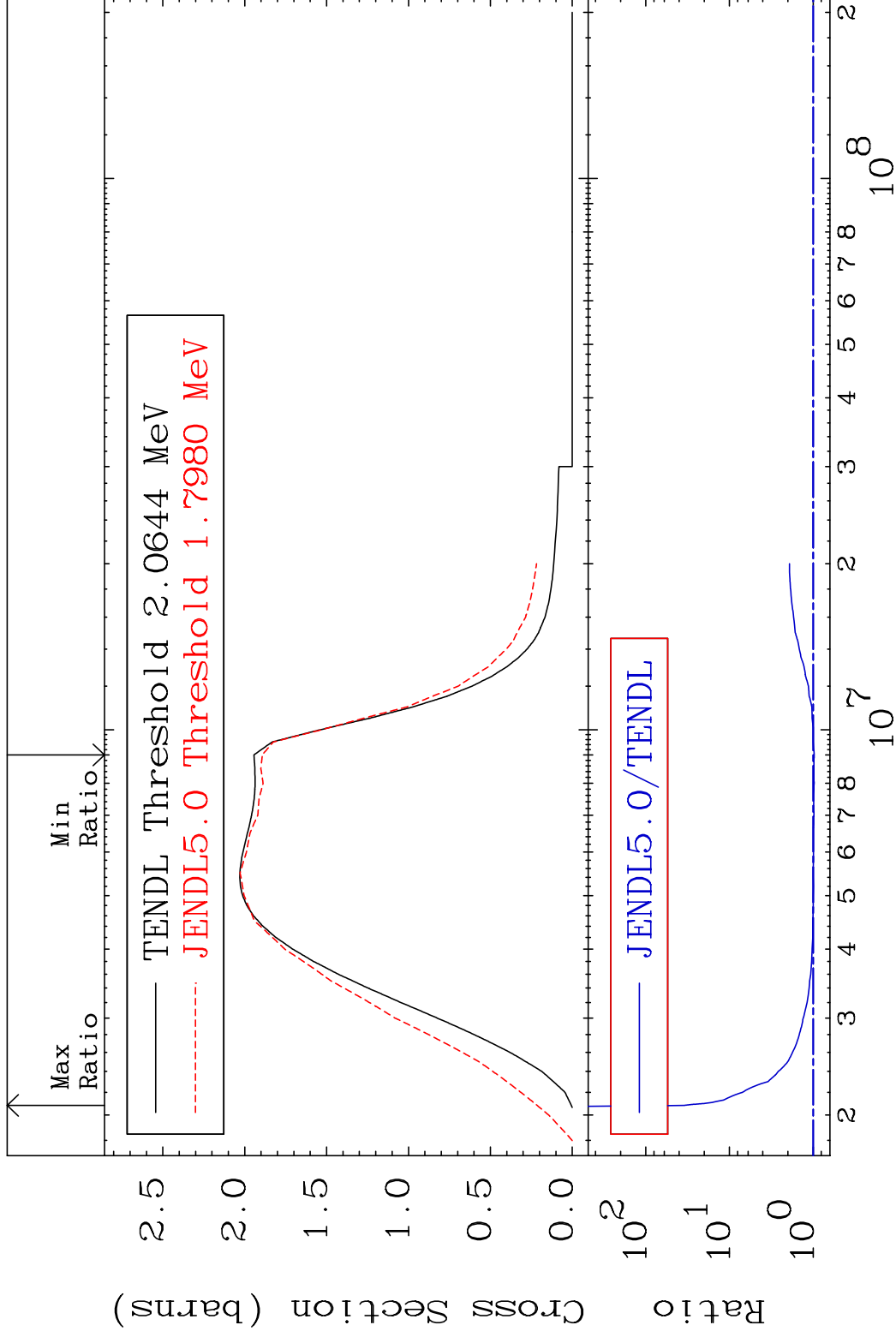


MAT 5131

(n,n') Continuum

51-Sb-123

Cross Section -2.611 To 3430. %



27

Incident Energy (eV)

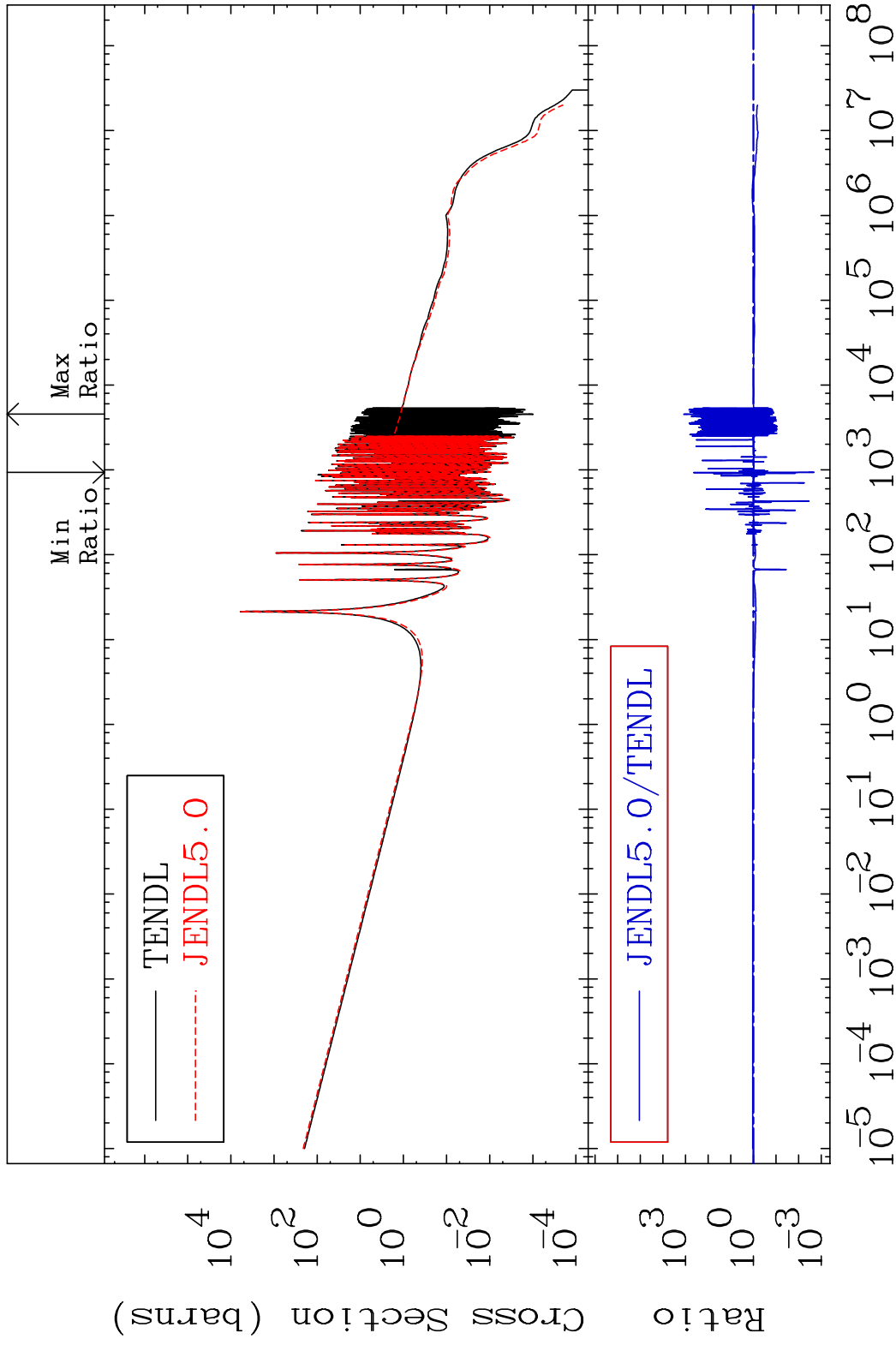
51-Sb-123

MAT 5131

(n, γ)

51-Sb-123

Cross Section -99.79 To 9999. %



28

Incident Energy (eV)

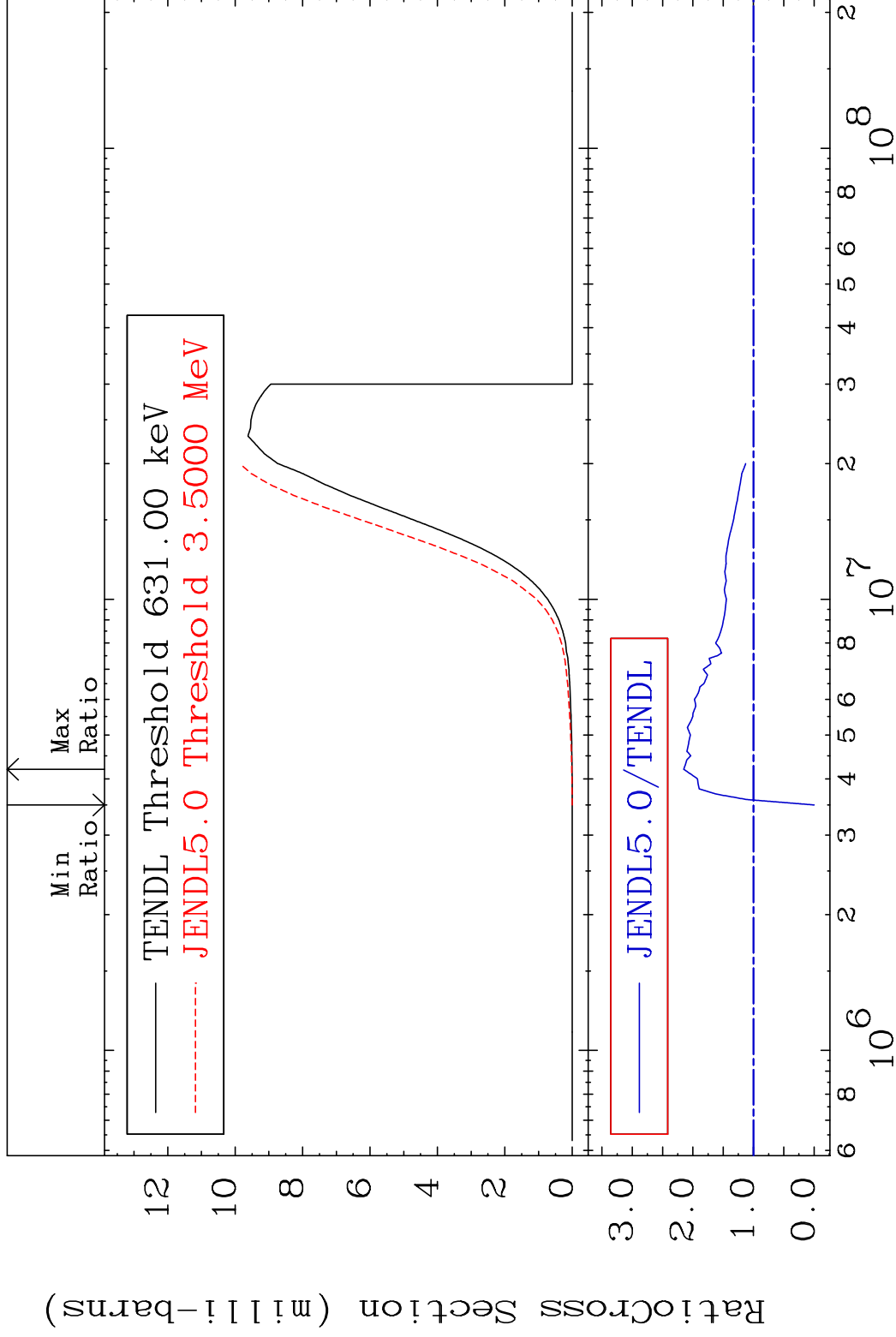
51-Sb-123

MAT 5131

(n,p)

51-Sb-123

Cross Section -100.0 To 115.2 %



29

Incident Energy (eV)

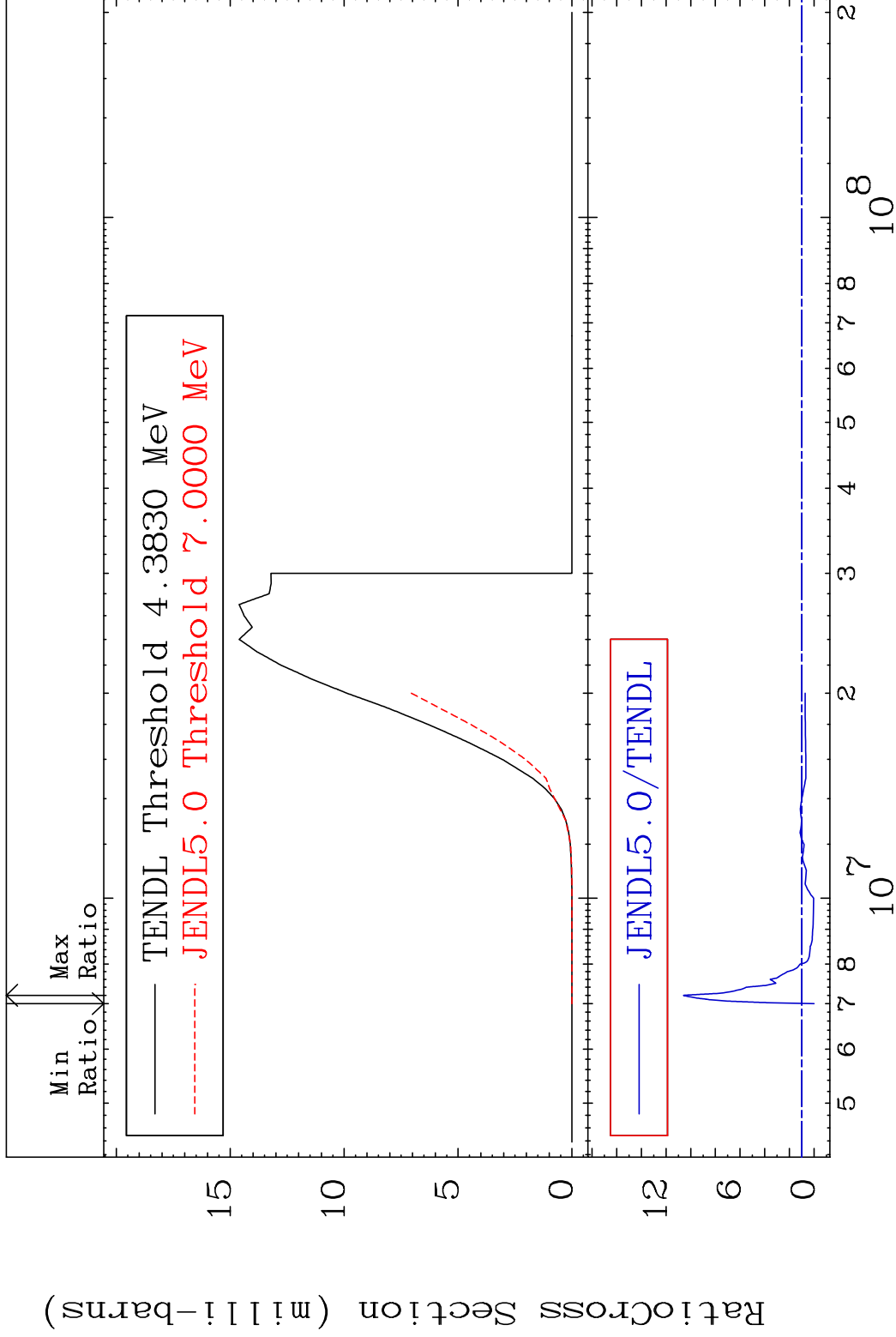
51-Sb-123

MAT 5131

(n,d)

51-Sb-123

Cross Section -100.0 To 958.9 %



30

Incident Energy (eV)

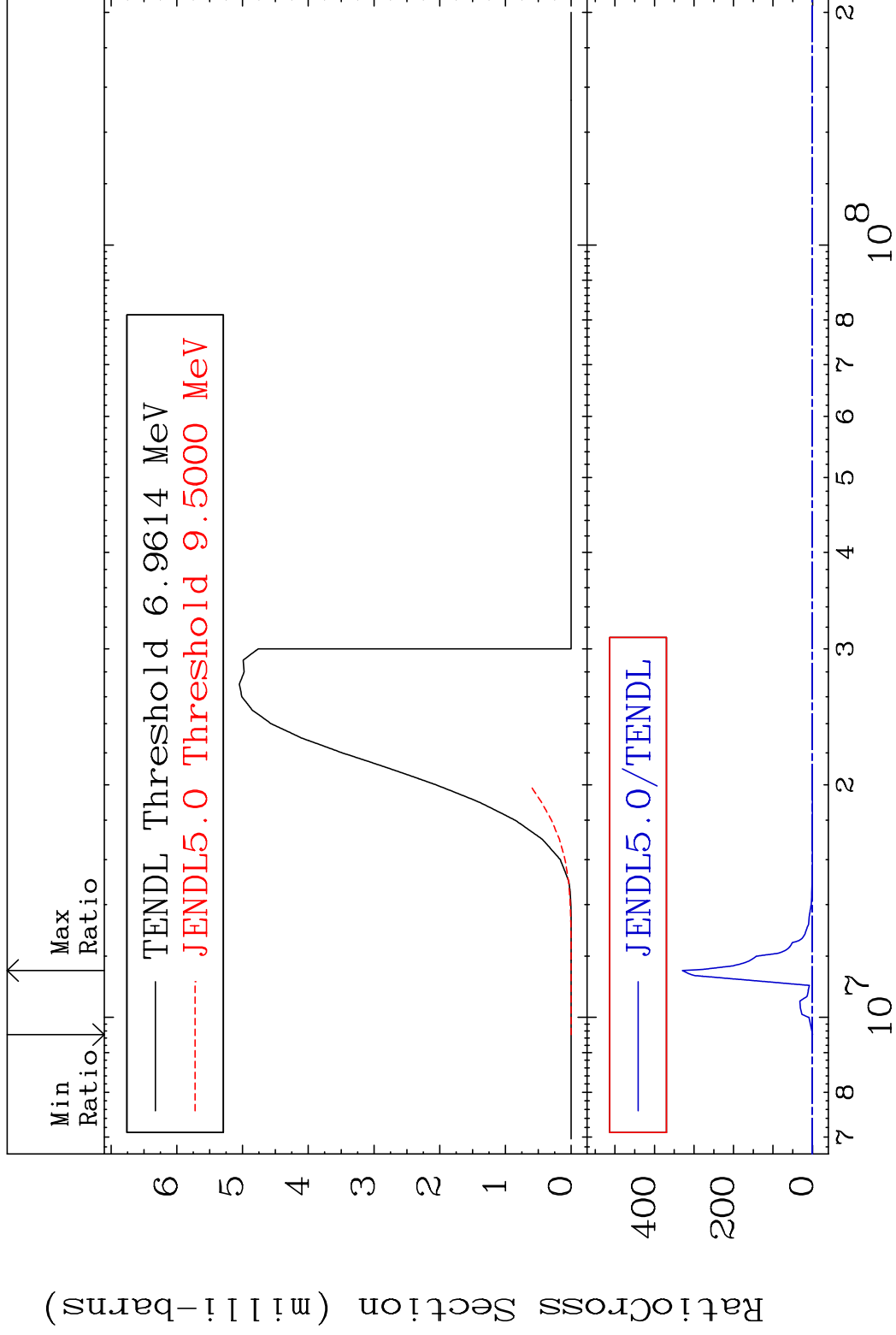
51-Sb-123

MAT 5131

(n, t)

51-Sb-123

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

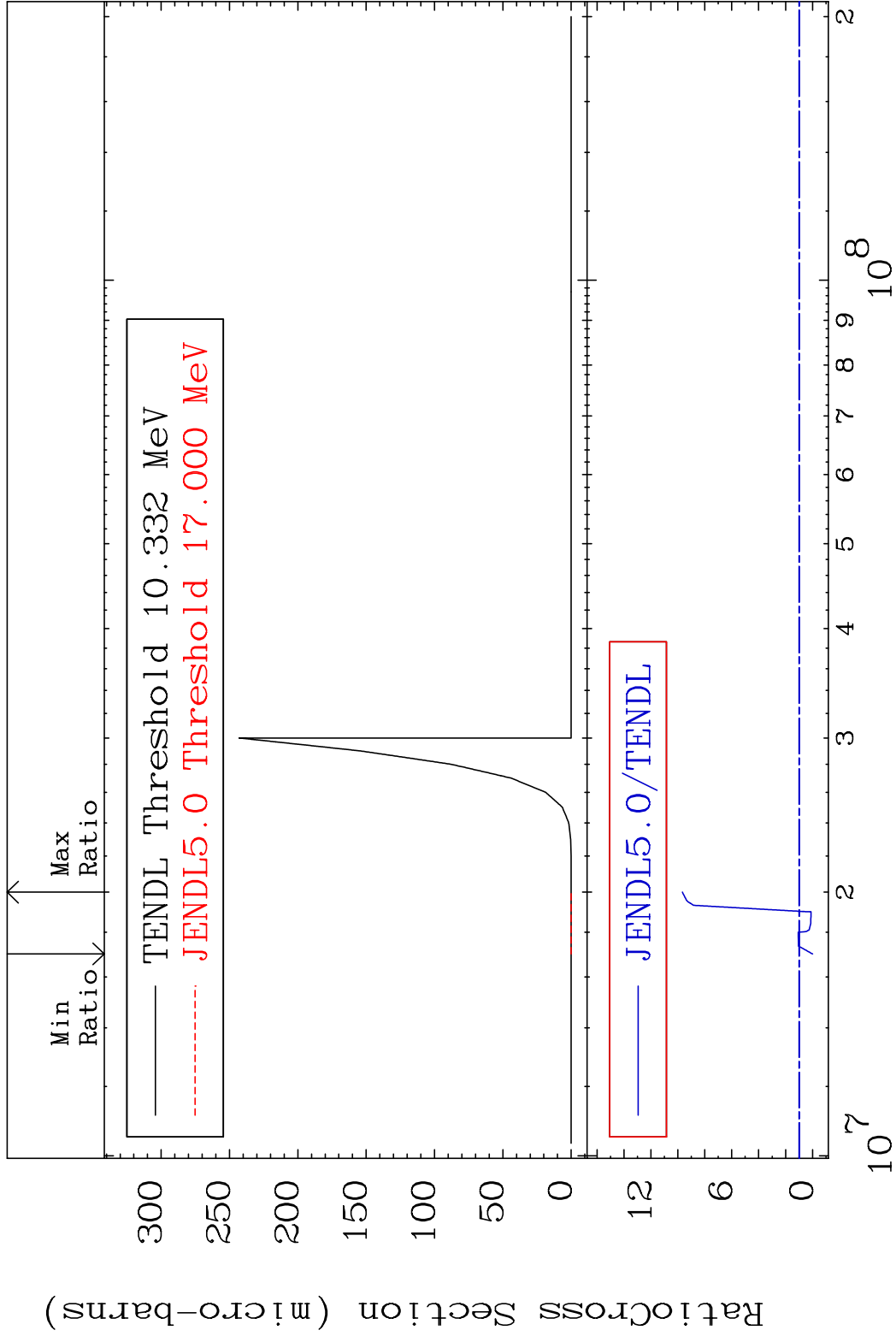
51-Sb-123

MAT 5131

(n, He-3)

51-Sb-123

Cross Section -100.0 To 866.4 %



32

Incident Energy (eV)

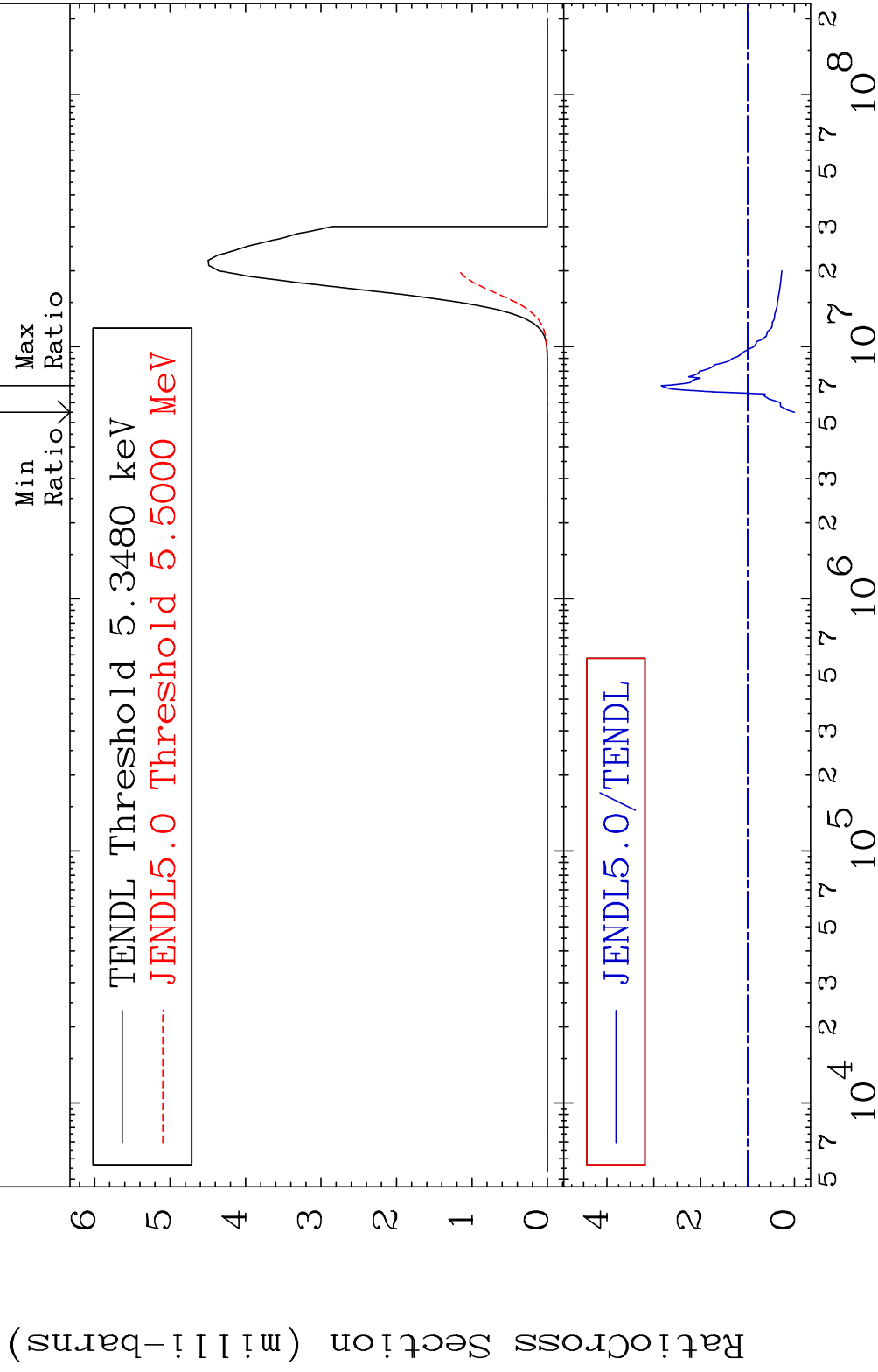
51-Sb-123

MAT 5131

(n, α)

51-Sb-123

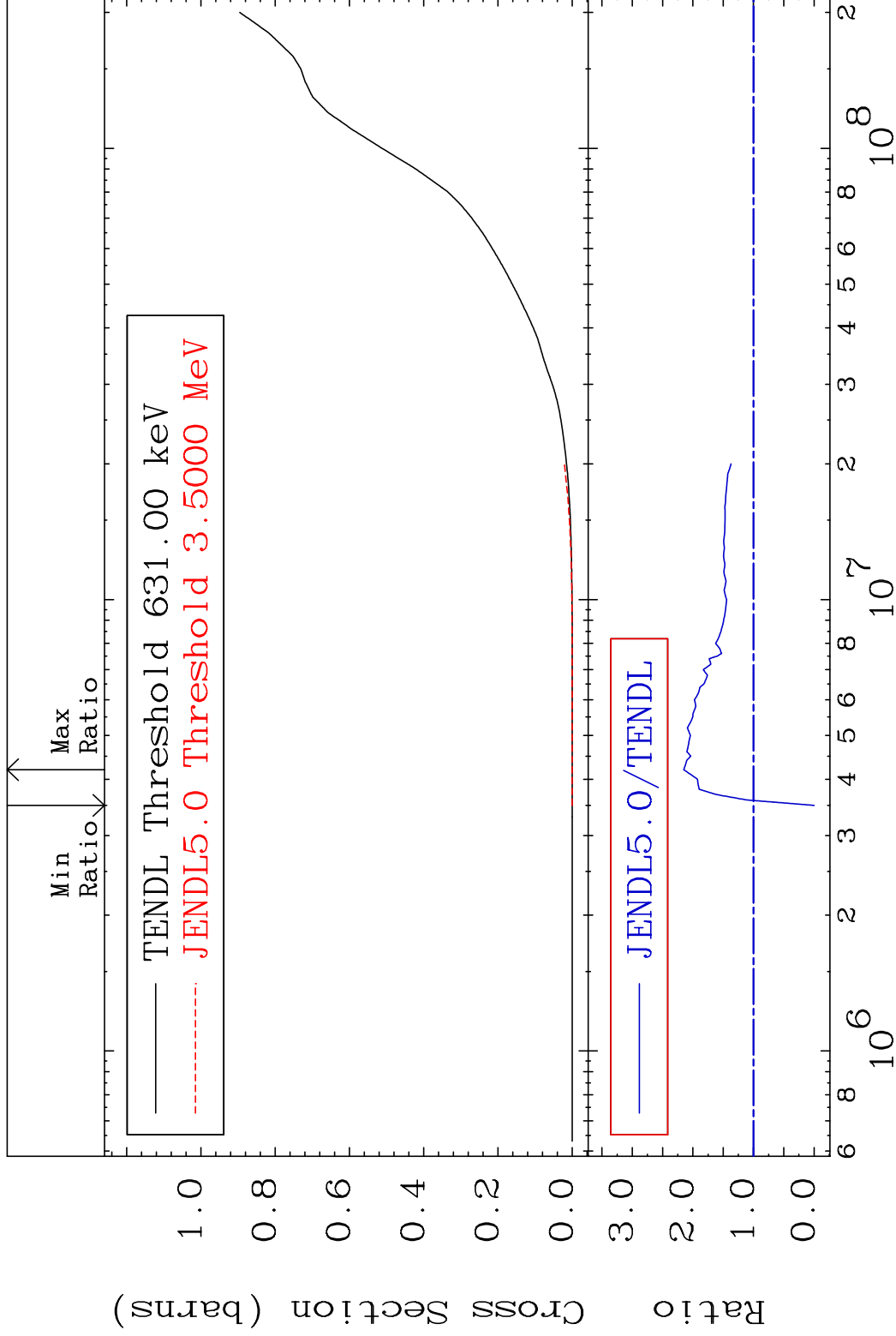
Cross Section -100.0 To 184.1 %



33

Incident Energy (eV)

51-Sb-123

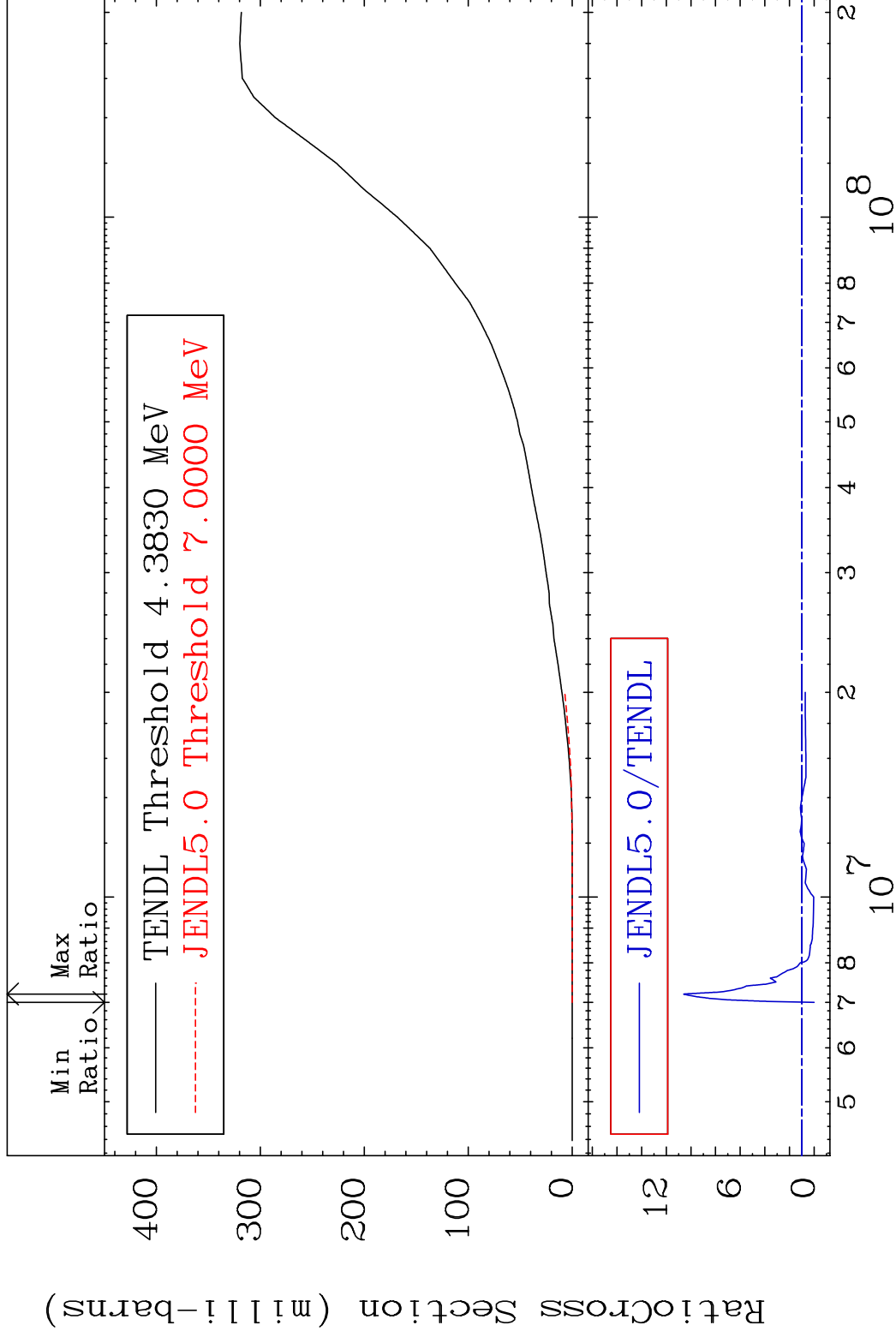


MAT 5131

Deuterium Production

51-Sb-123

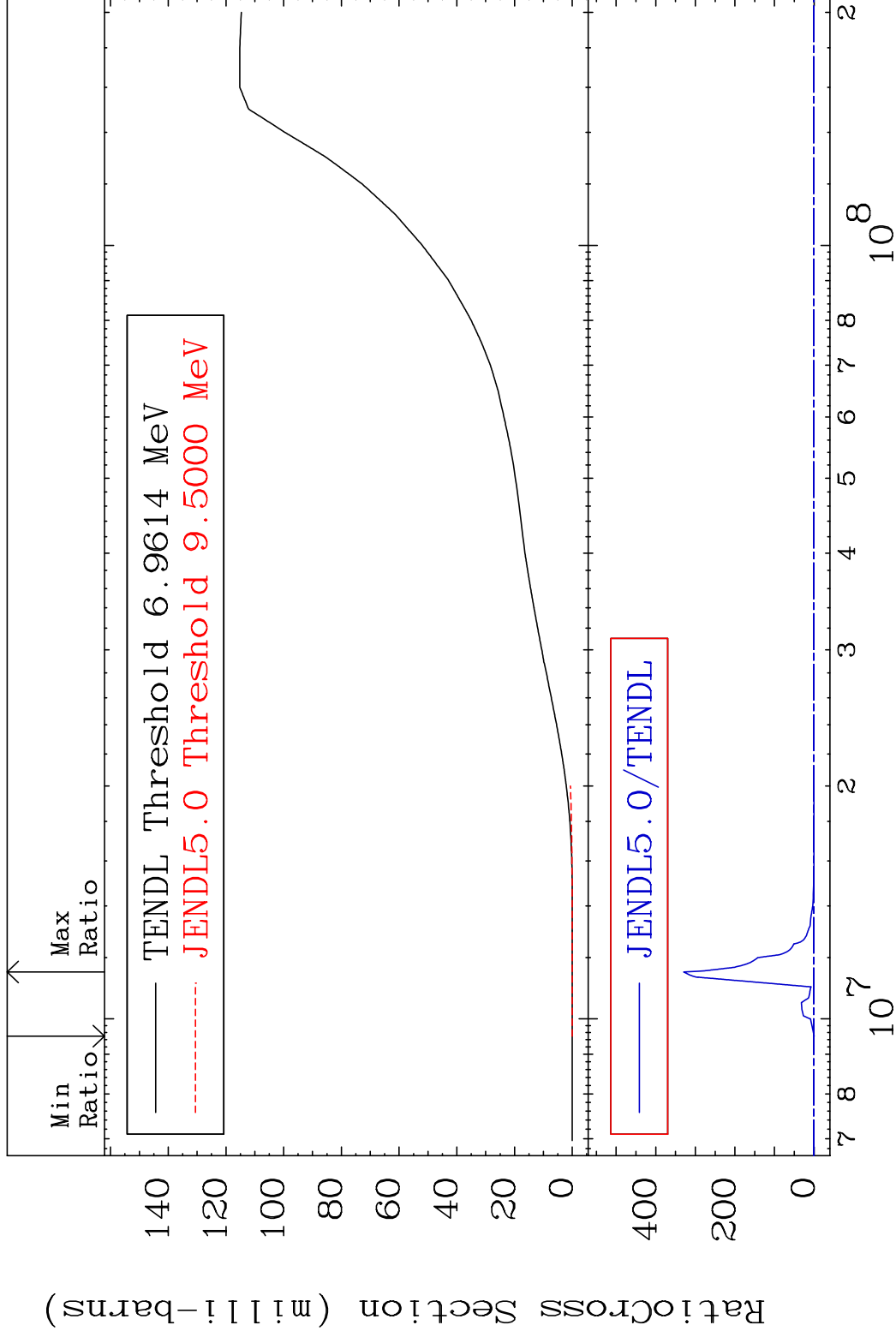
Cross Section -100.0 To 958.9 %



35

Incident Energy (eV)

51-Sb-123

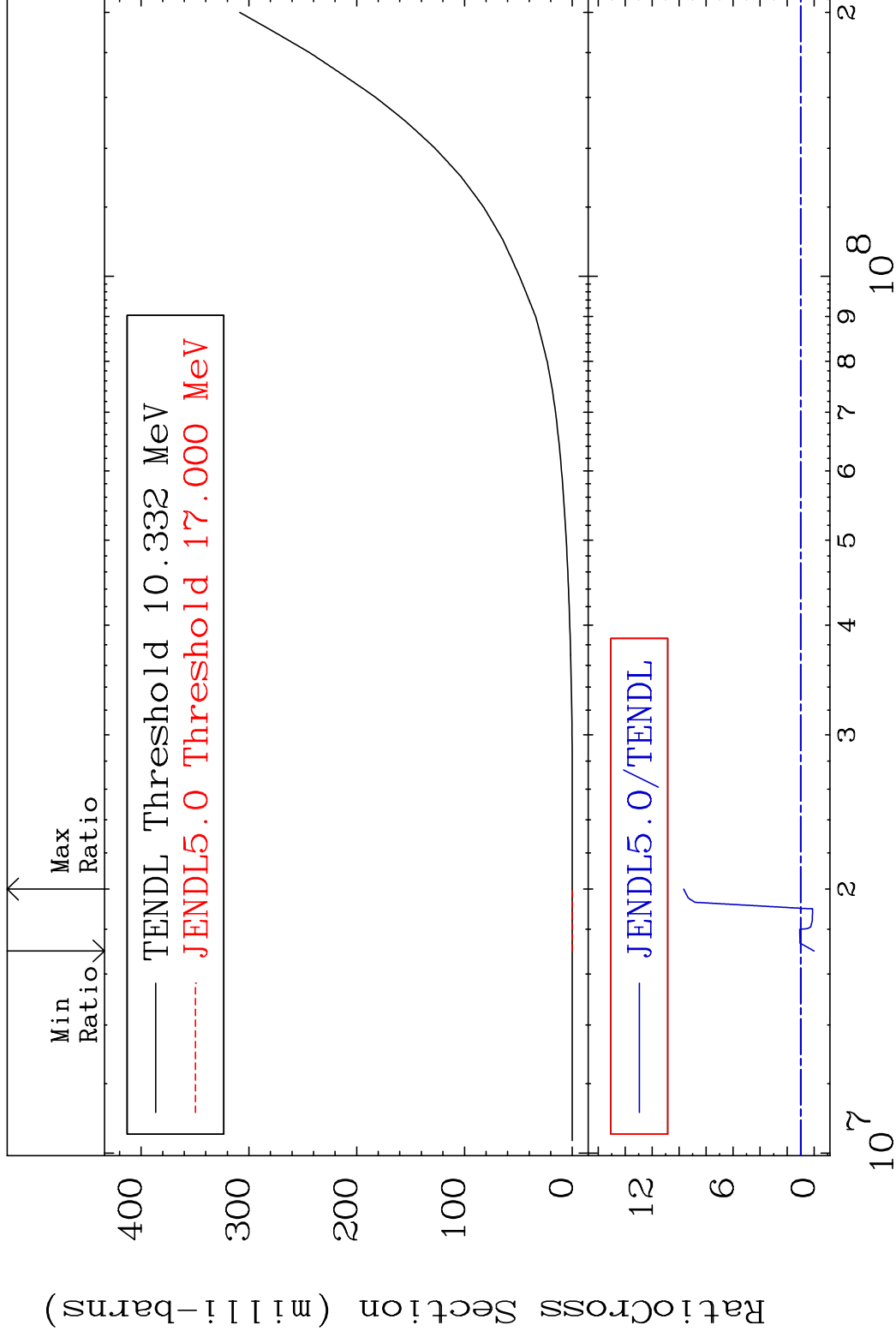


MAT 5131

He-3 Production

51-Sb-123

Cross Section -100.0 To 866.4 %



37

Incident Energy (eV)

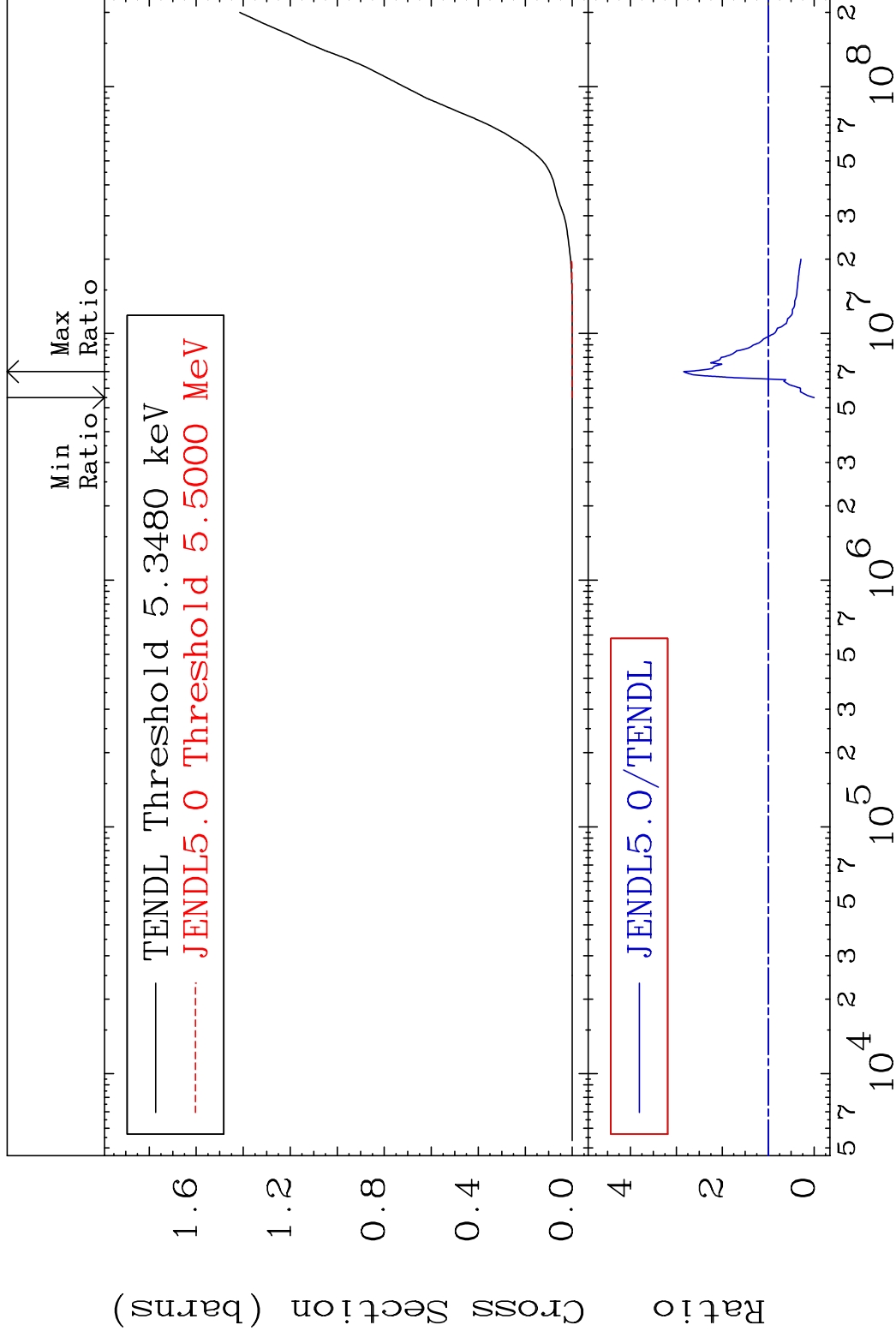
51-Sb-123

MAT 5131

He-4 Production

51-Sb-123

Cross Section -100.0 To 184.1 %



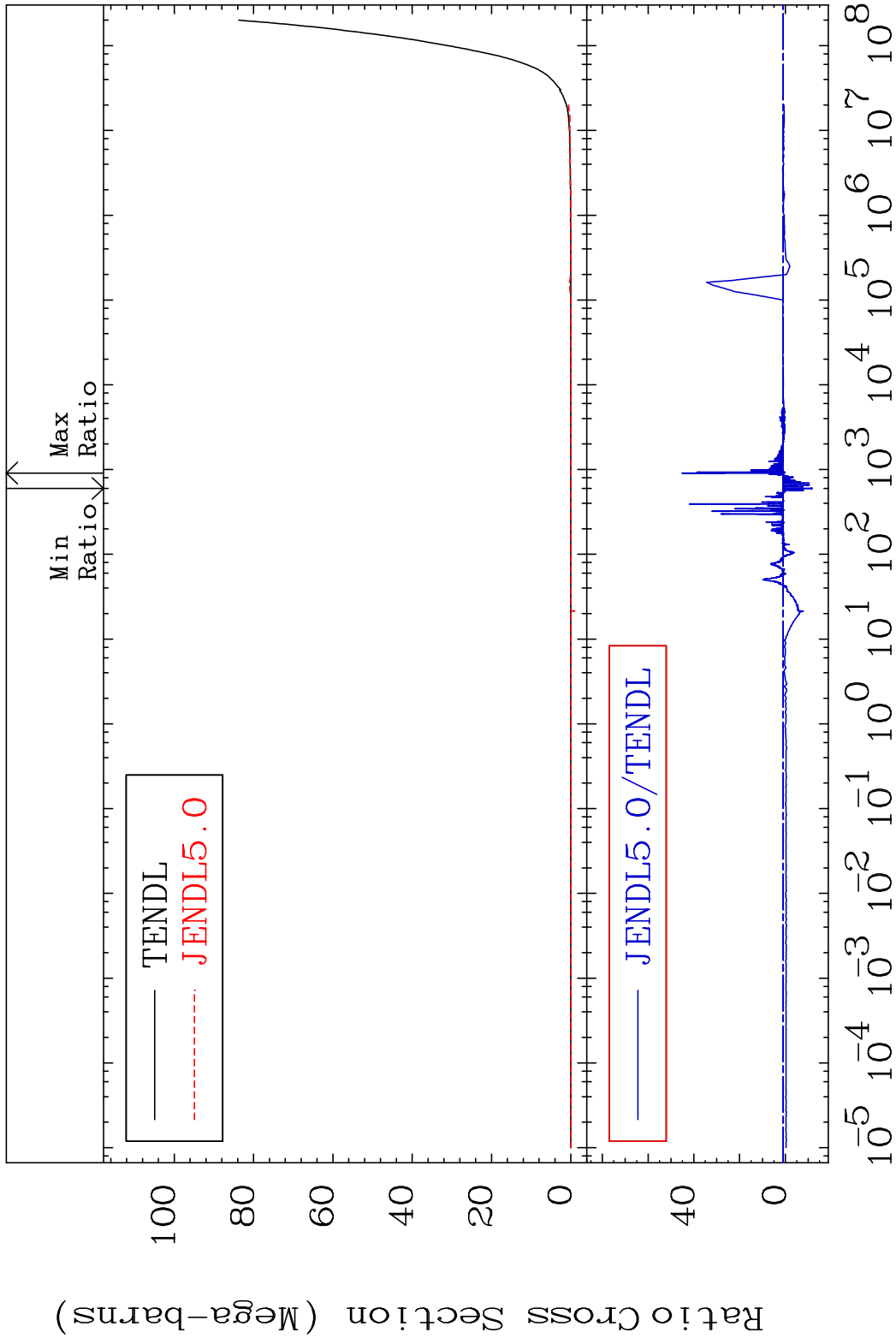
38

Incident Energy (eV)

51-Sb-123

MAT 5131

Kerma total (eV-barns) 51-Sb-123
Cross Section -1287. To 4411. %



39

Incident Energy (eV)

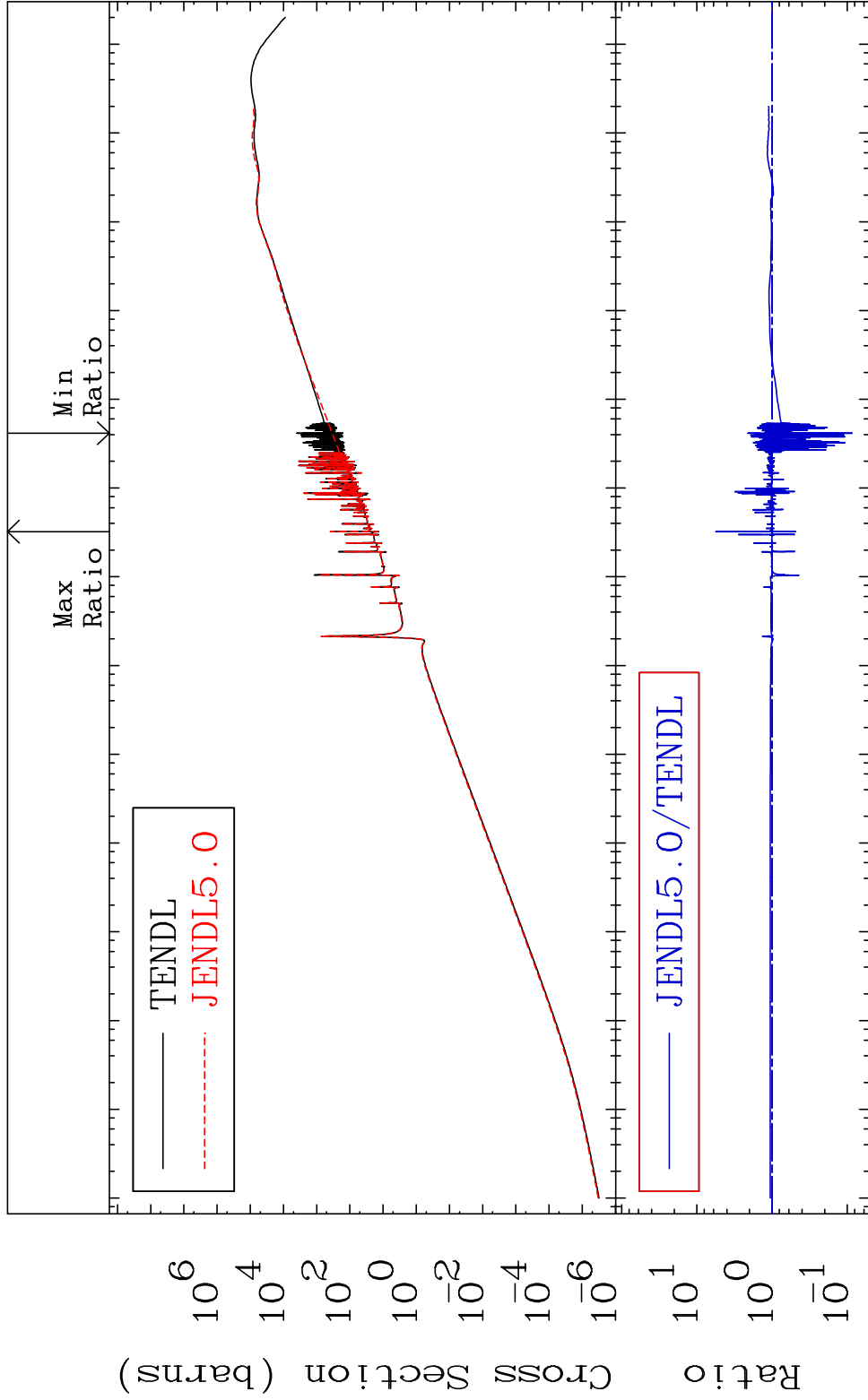
51-Sb-123

MAT 5131

Kerma elastic

51-Sb-123

Cross Section -91.40 To 463.2 %

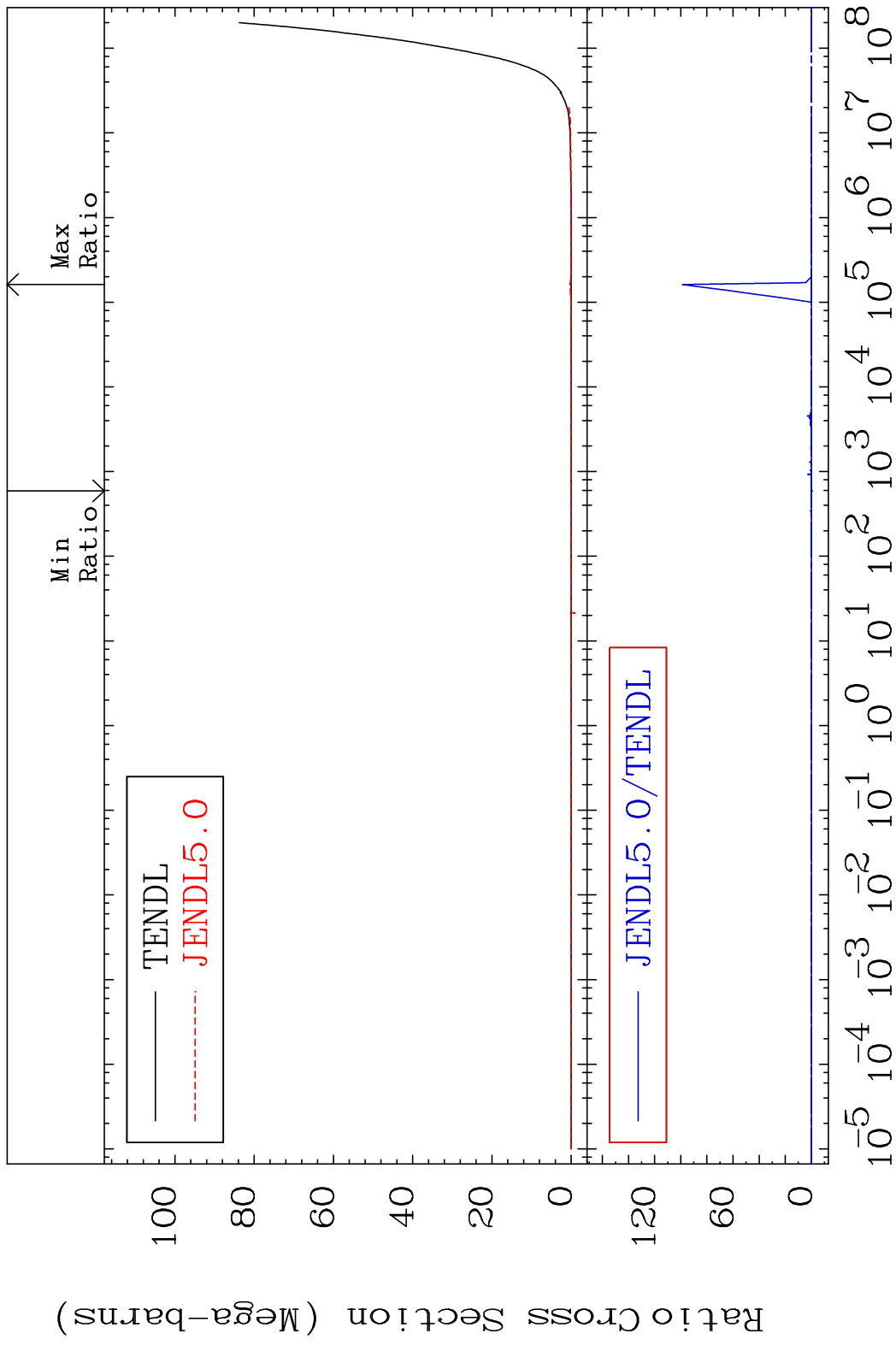


40

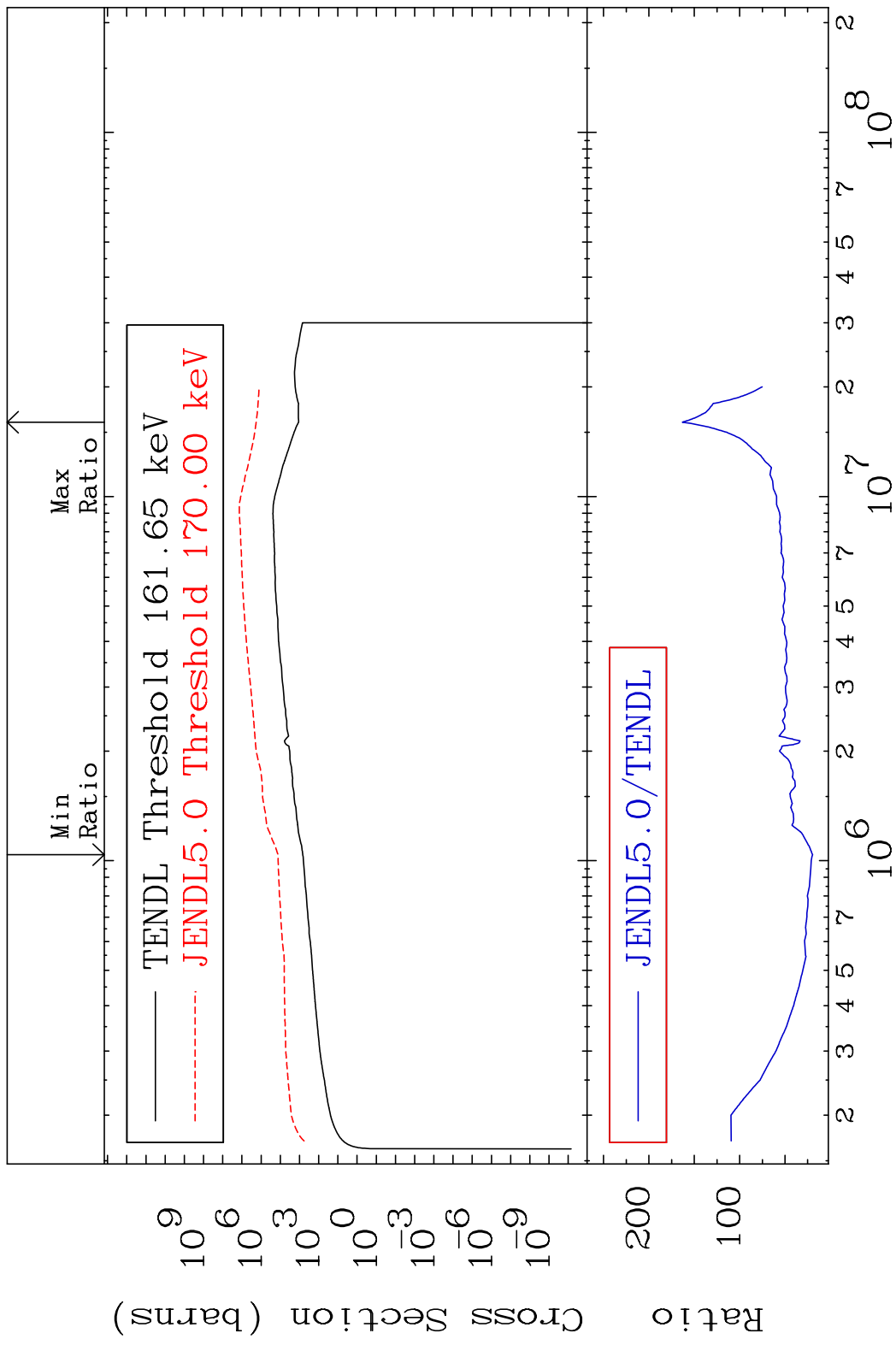
Incident Energy (eV)

51-Sb-123

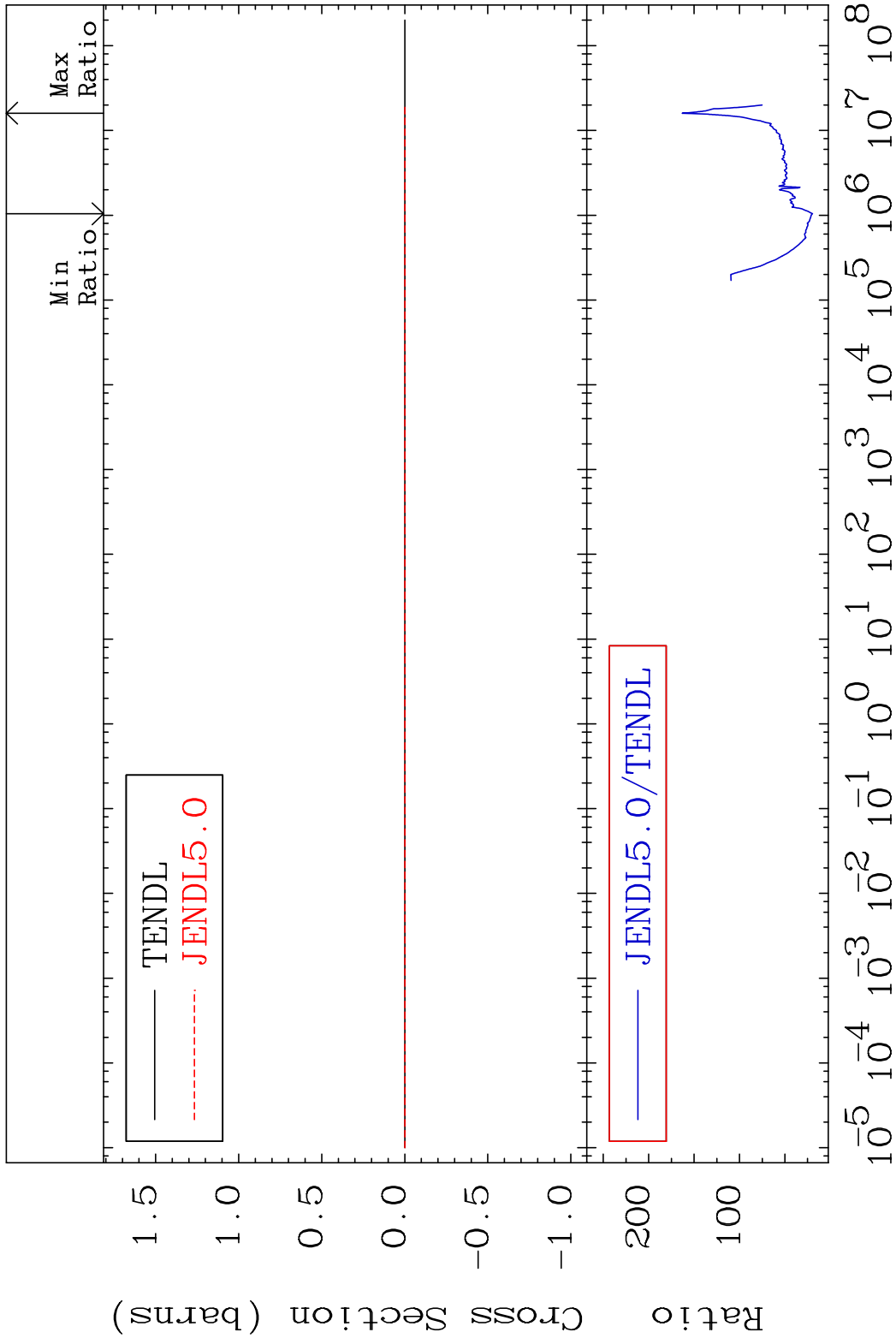
MAT 5131 Kerma non-elastic (all but mt2) 51-Sb-123
 Cross Section -9999. To 9999. %



MAT 5131 Kerma inelastic (mt51-91) 51-Sb-123
 Cross Section 1864. To 9999. %

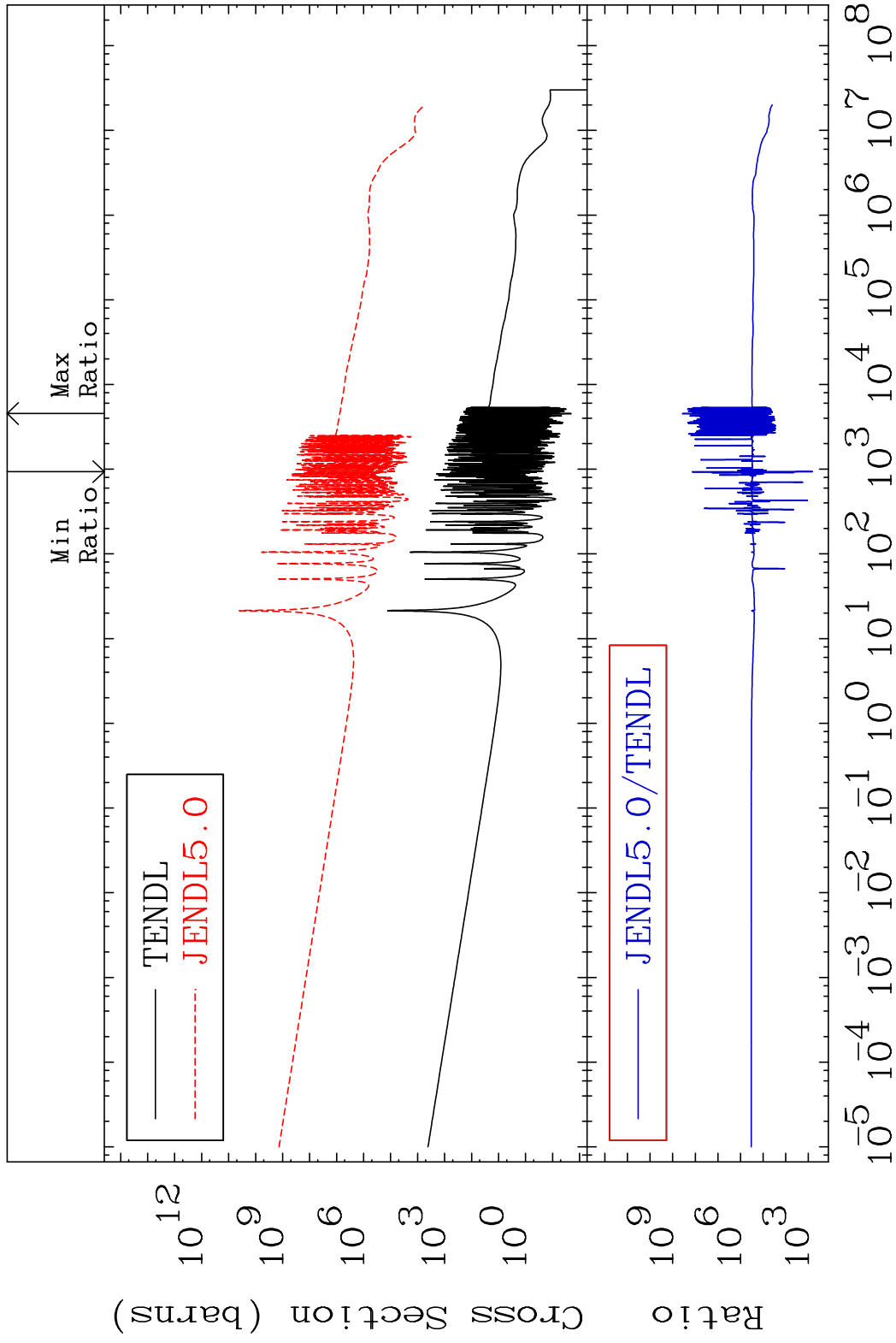


MAT 5131 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-123
 Cross Section 1864. To 9999. %



MAT 5131

Kerma capture (mt102) 51-Sb-123
Cross Section 9999. To 9999. %



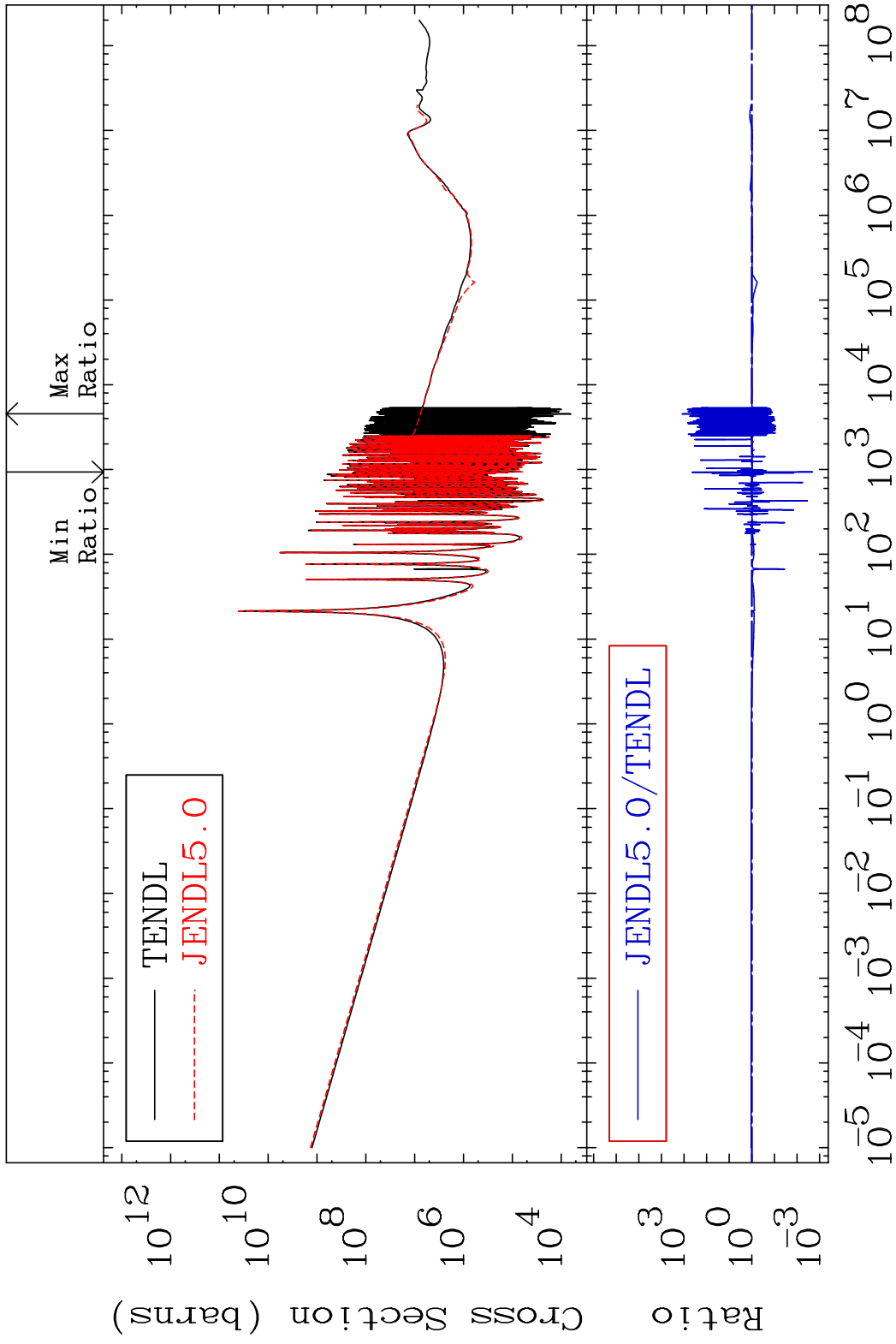
44

Incident Energy (eV)

51-Sb-123

MAT 5131

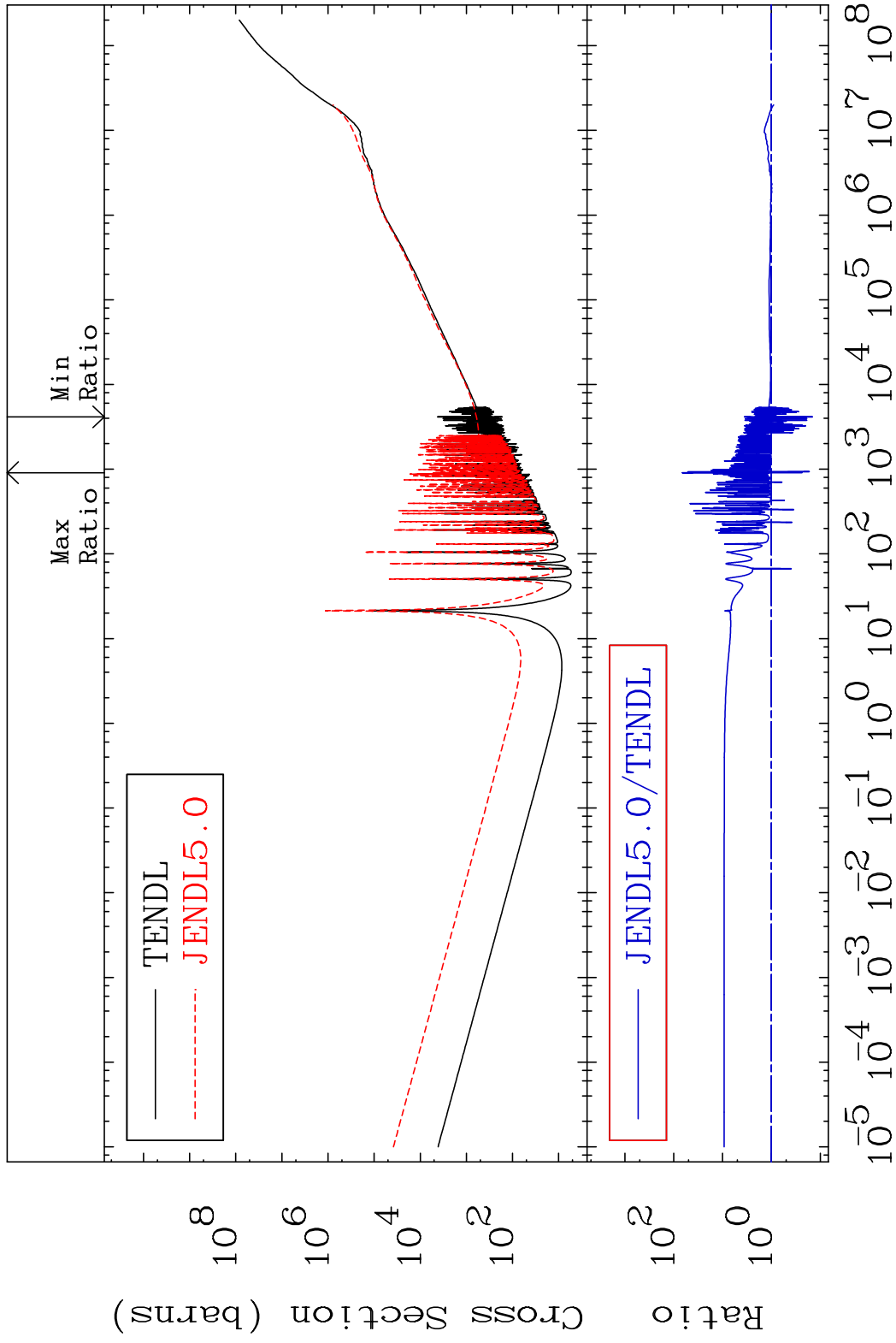
Total photon (eV-barns) 51-Sb-123
Cross Section -99.79 To 9999. %



45

Incident Energy (eV) 51-Sb-123

MAT 5131 Total kinematic kerma (high limit) 51-Sb-123
 Cross Section -85.63 To 6576. %

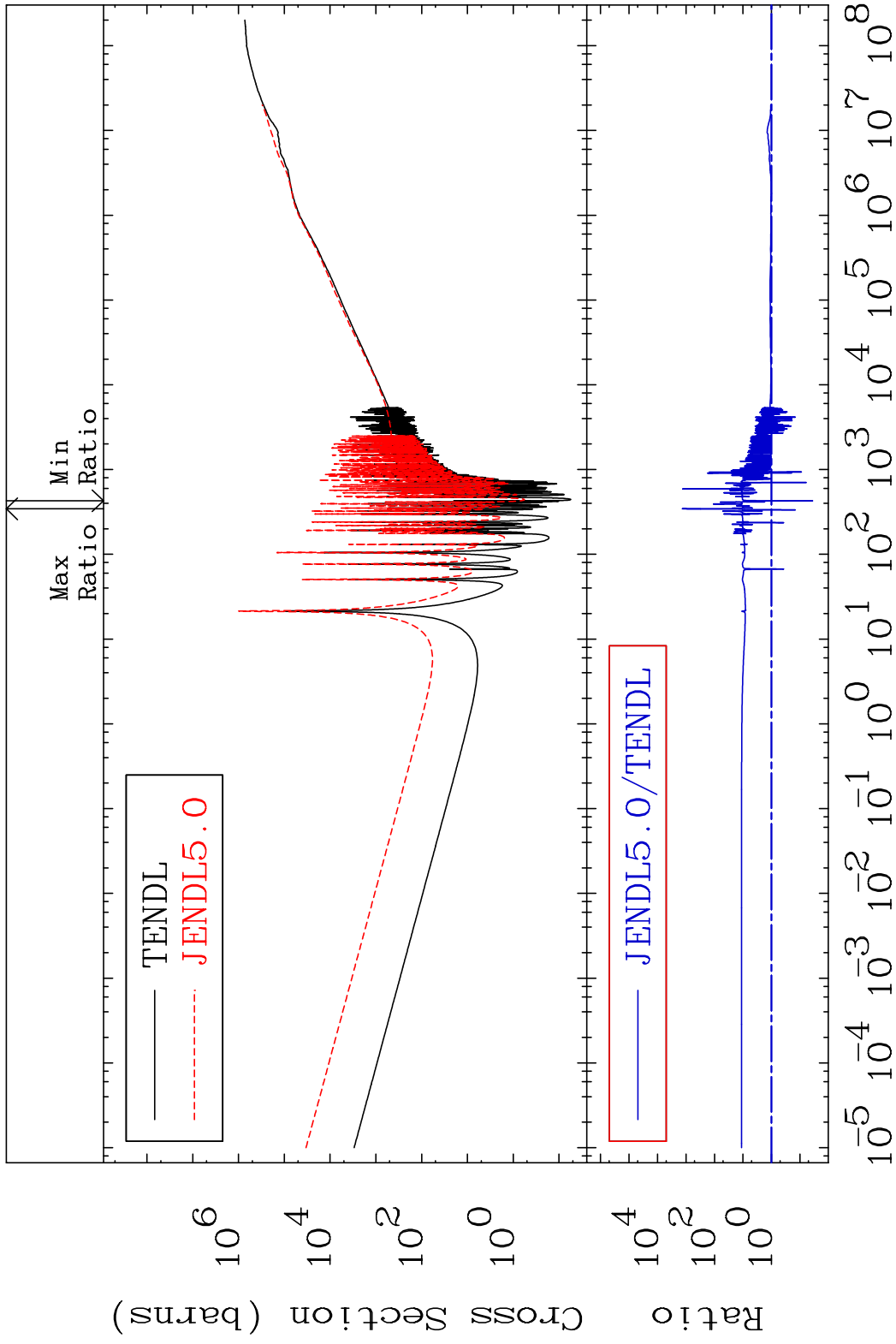


MAT 5131

Dpa total (eV-barns)

51-Sb-123

Cross Section -96.37 To 9999. %



47

Incident Energy (eV)

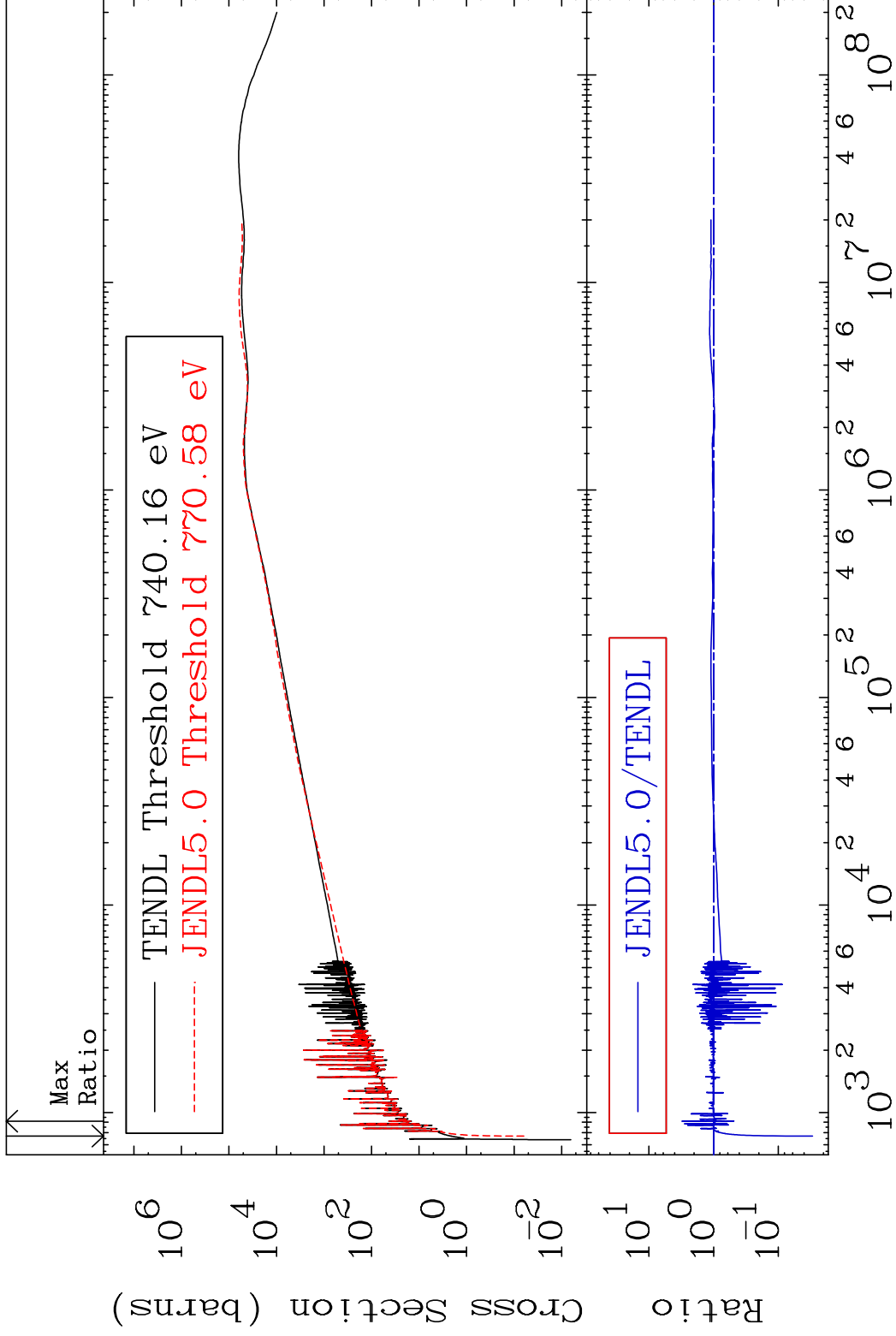
51-Sb-123

MAT 5131

Dpa elastic (mt2)

51-Sb-123

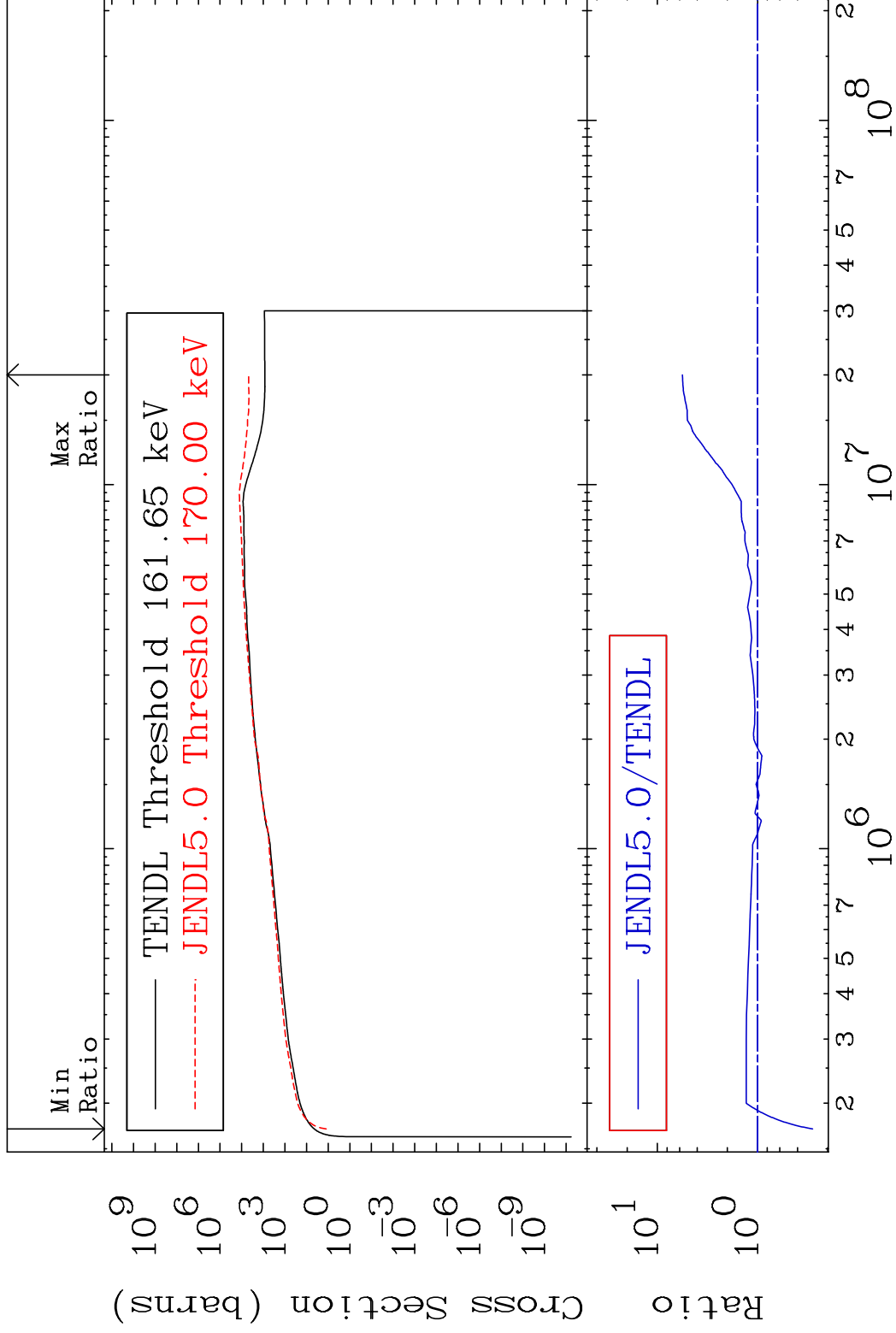
Cross Section -97.04 To 206.5 %



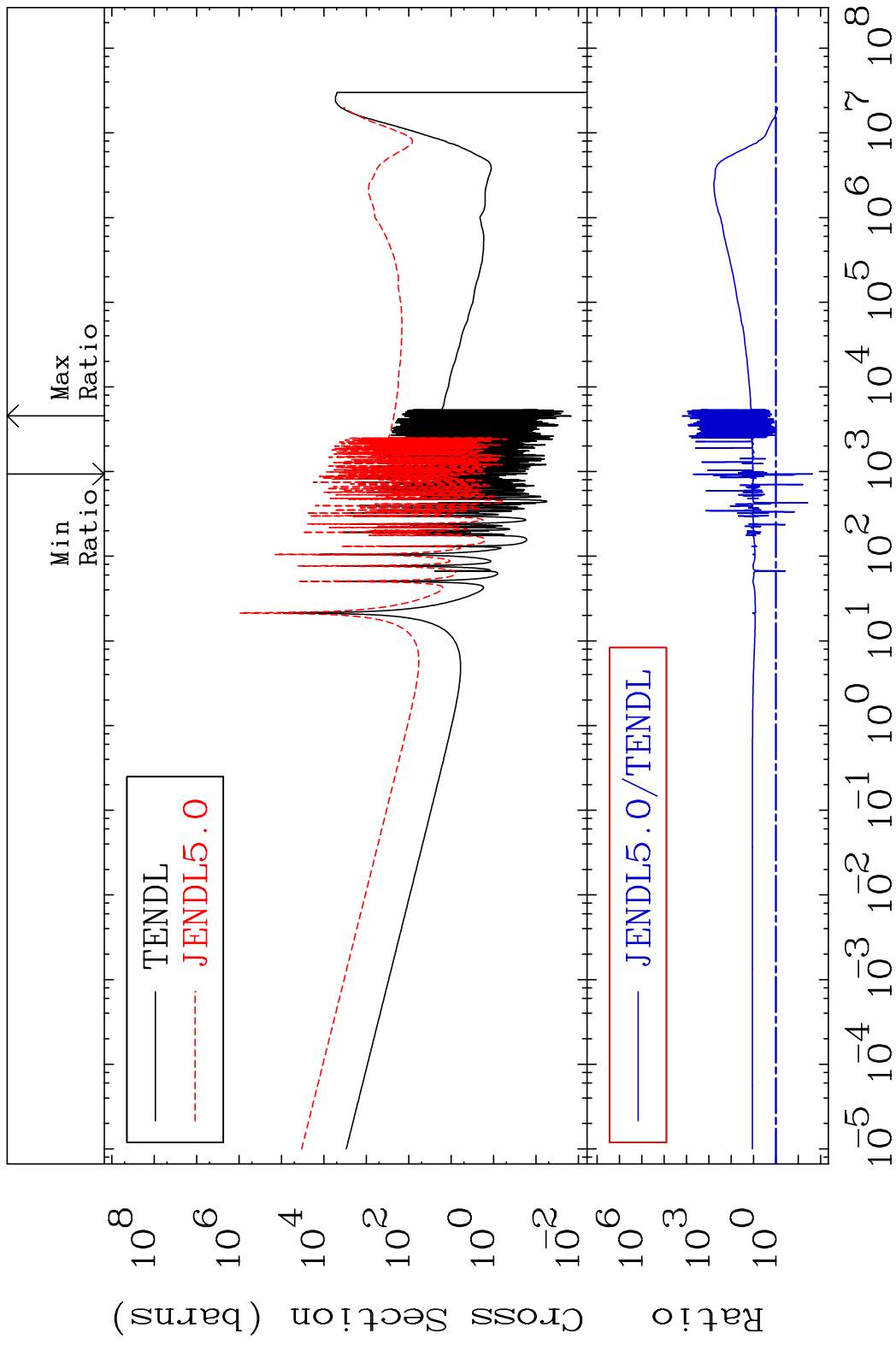
48

Incident Energy (eV)

51-Sb-123

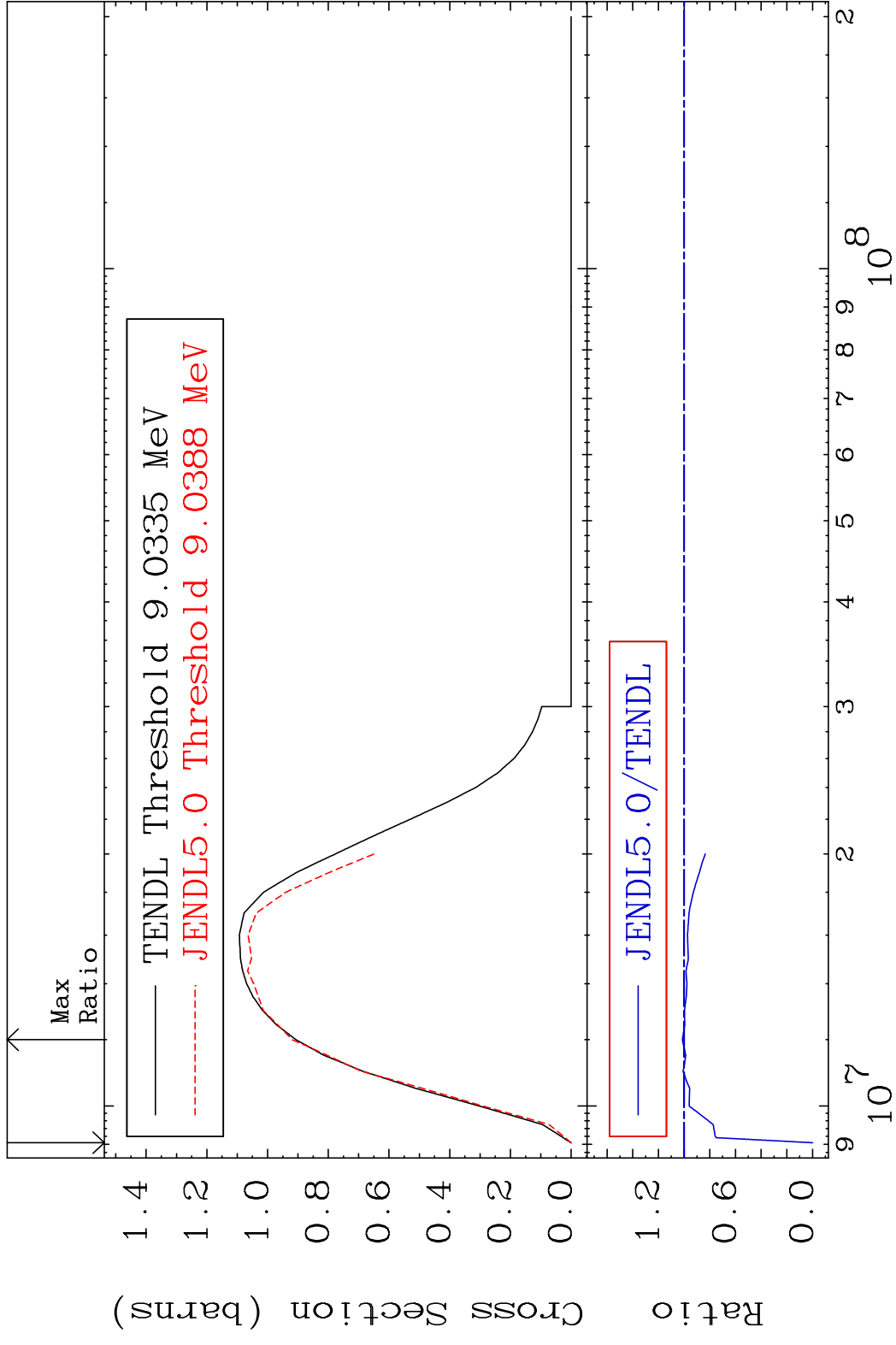


MAT 5131 Dpa disappearance (mt102 -120) 51-Sb-123
 Cross Section -97.73 To 9999. %

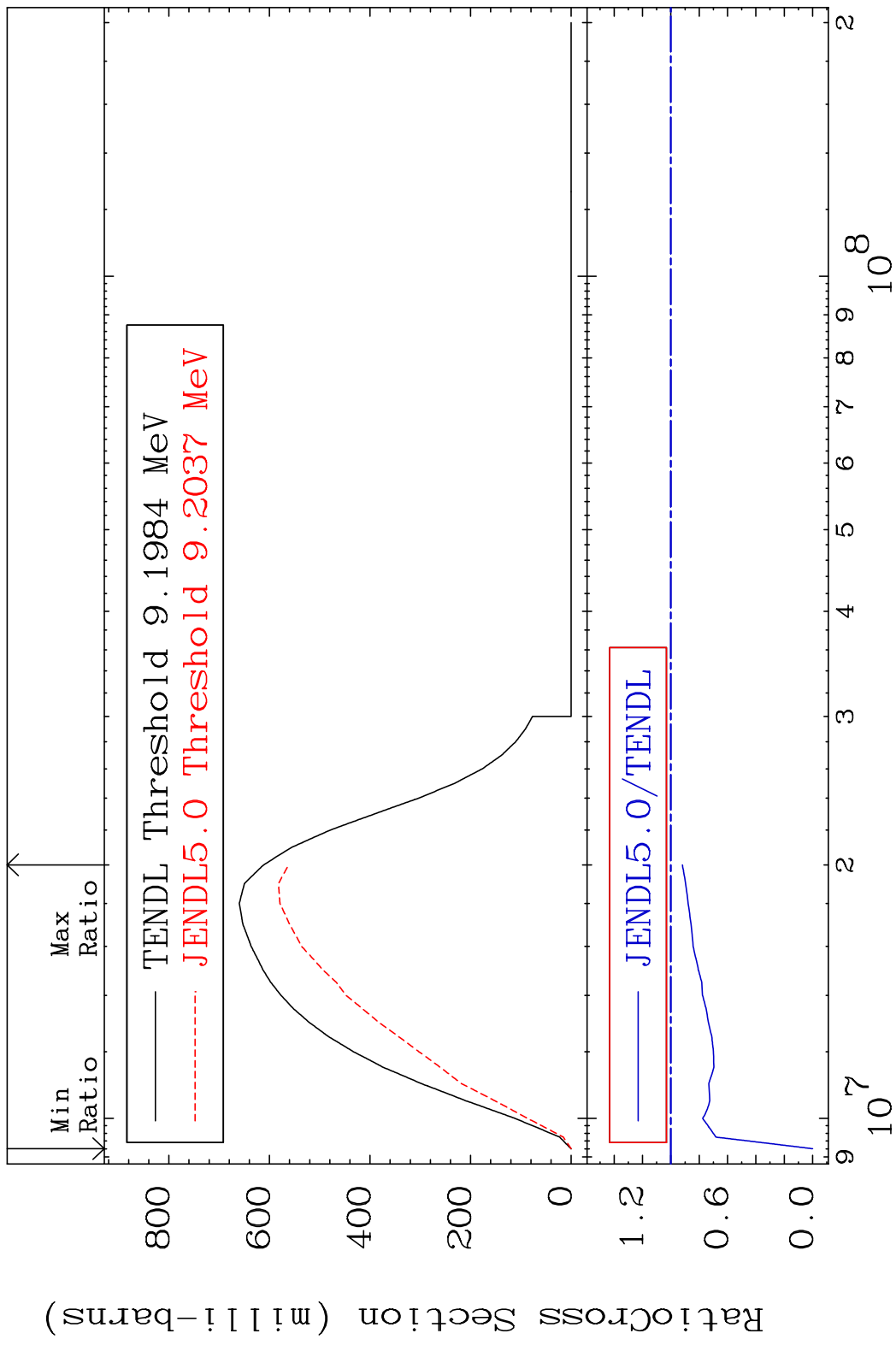


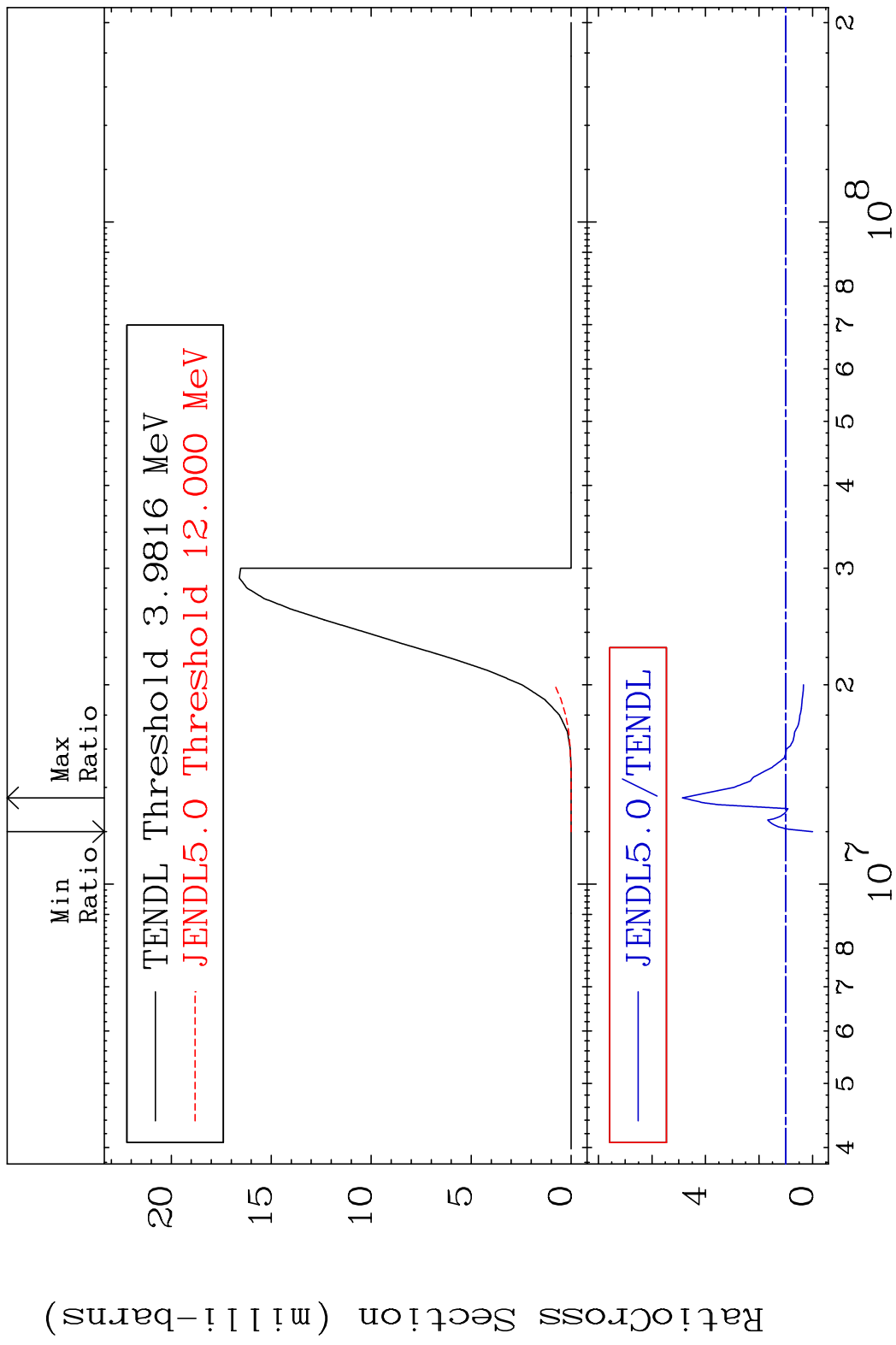
50 Incident Energy (eV) 51-Sb-123

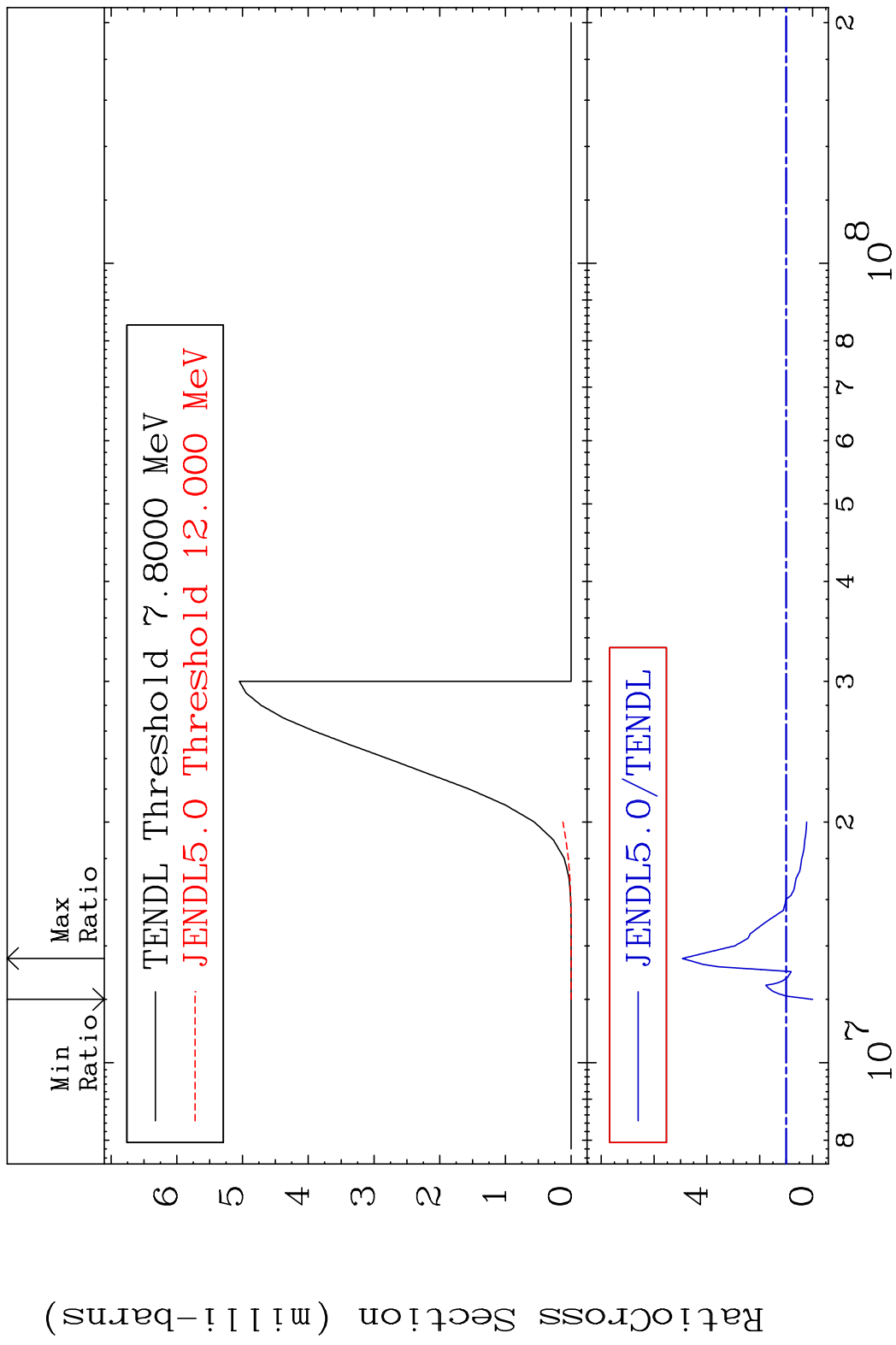
MAT 5131 (n,2n):51-Sb-122g 51-Sb-123
 Radionuclide Production Cross Section 1.360 %

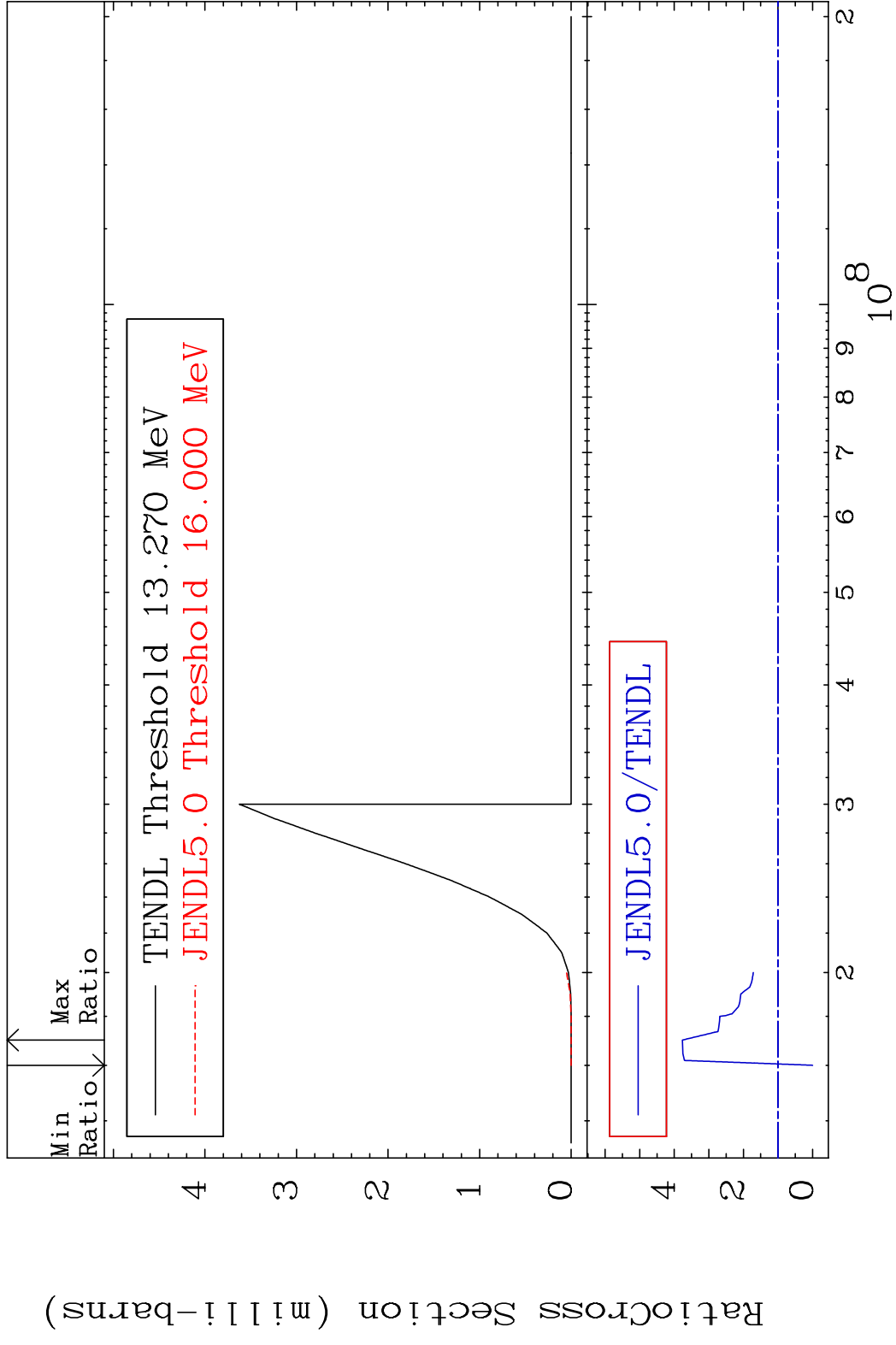


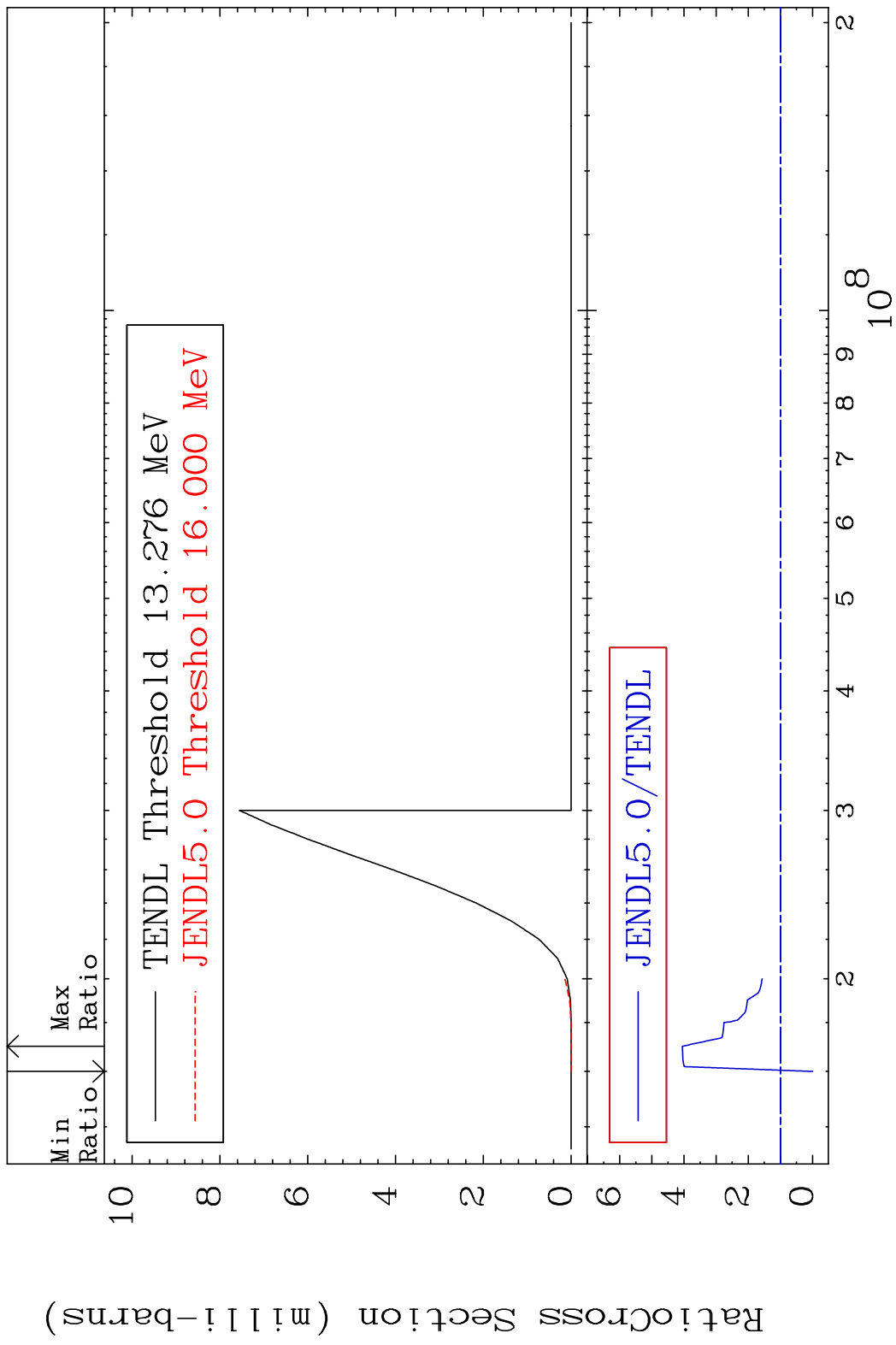
MAT 5131 (n, 2n):51-Sb-122m5 51-Sb-123
 Radionuclide Production Cross Section Ratio -8.118%



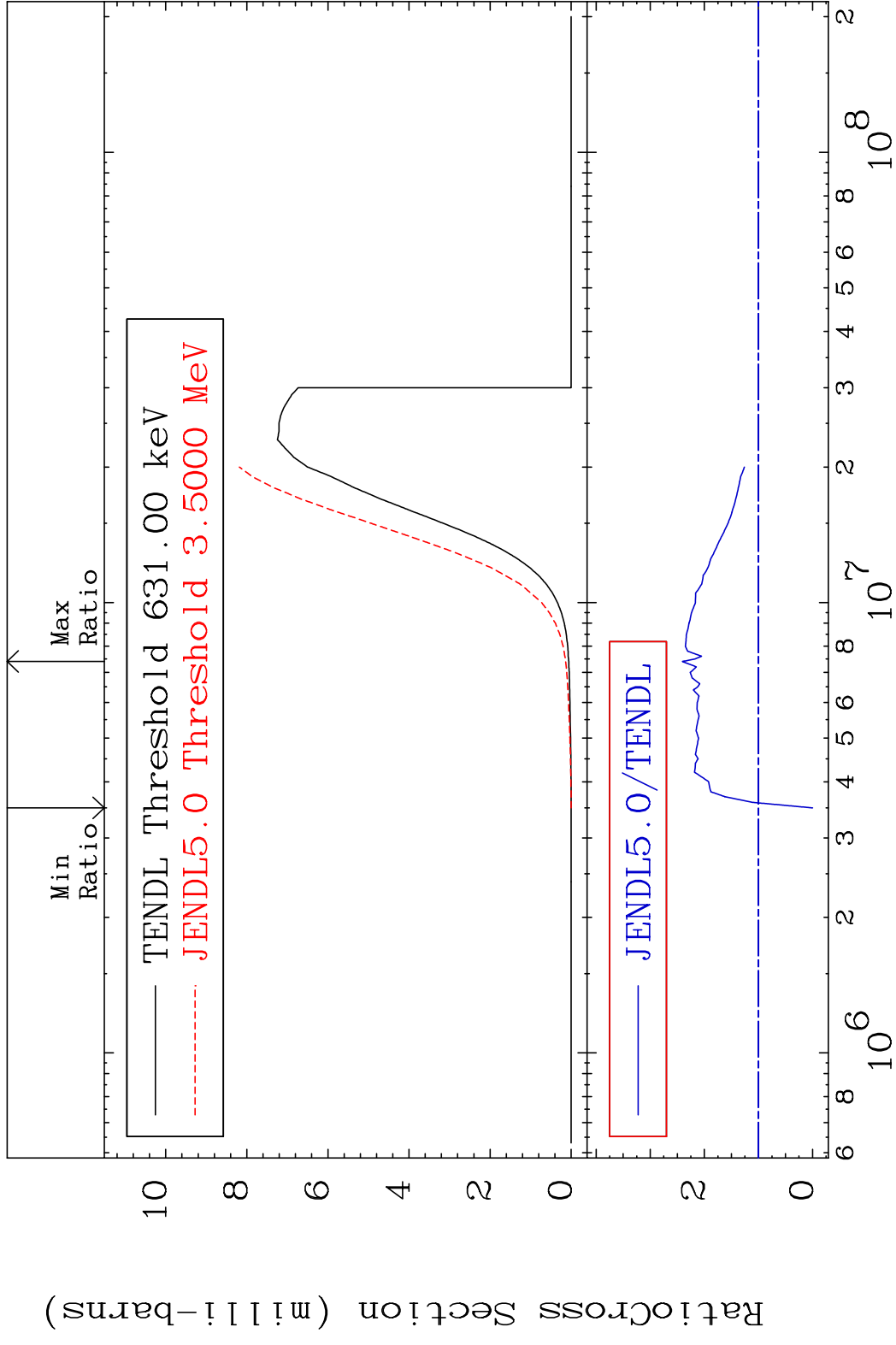


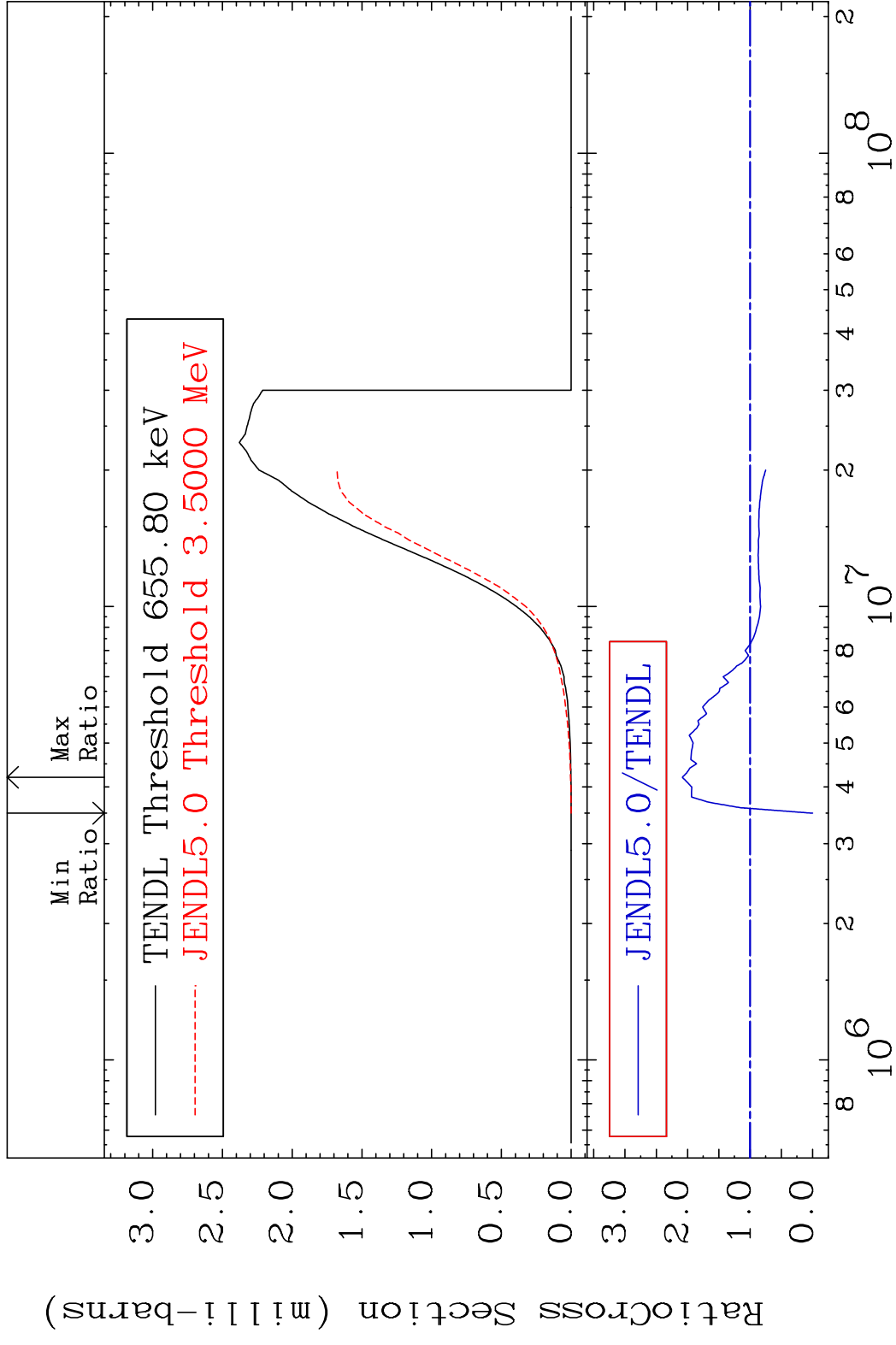


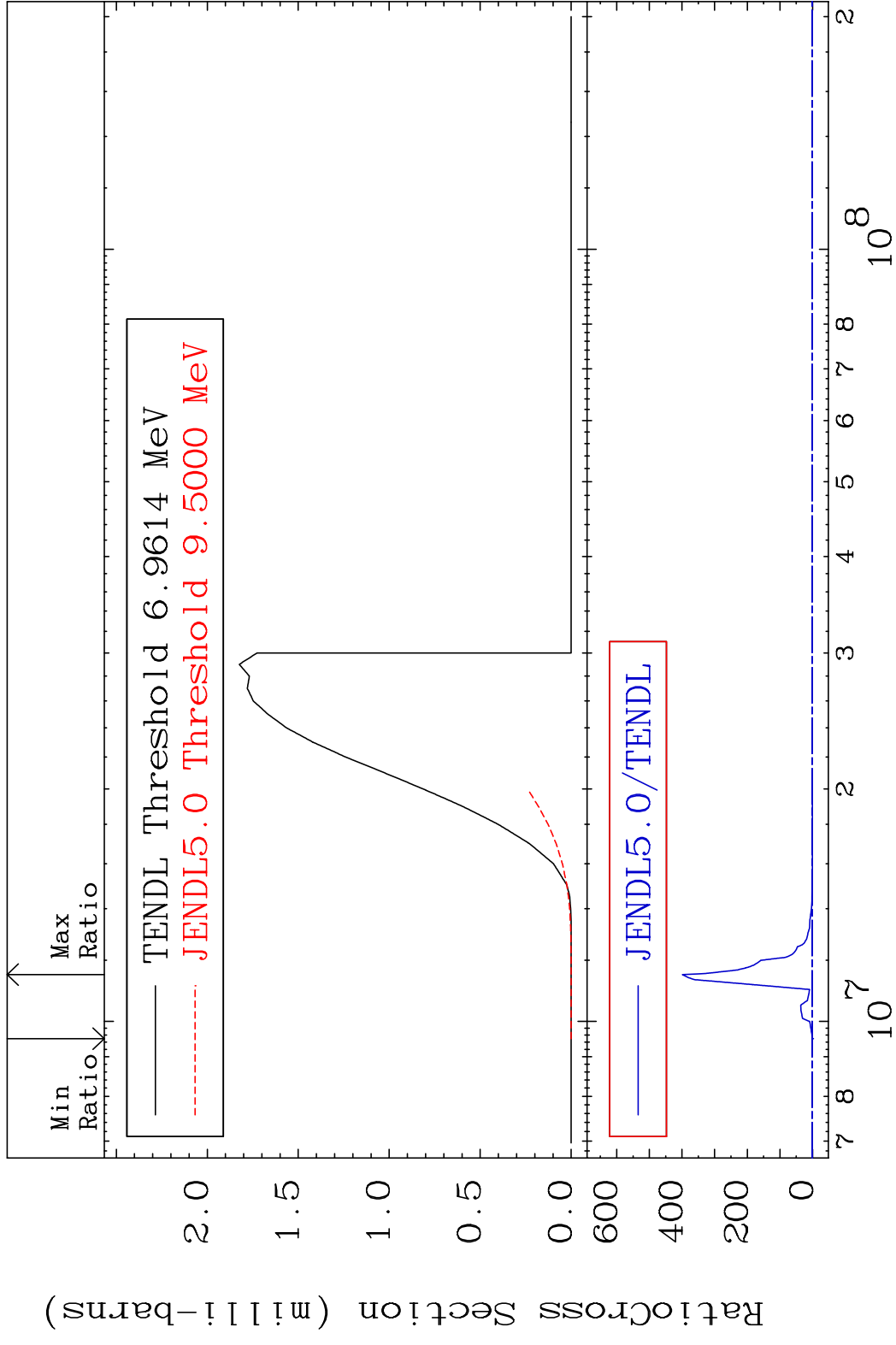




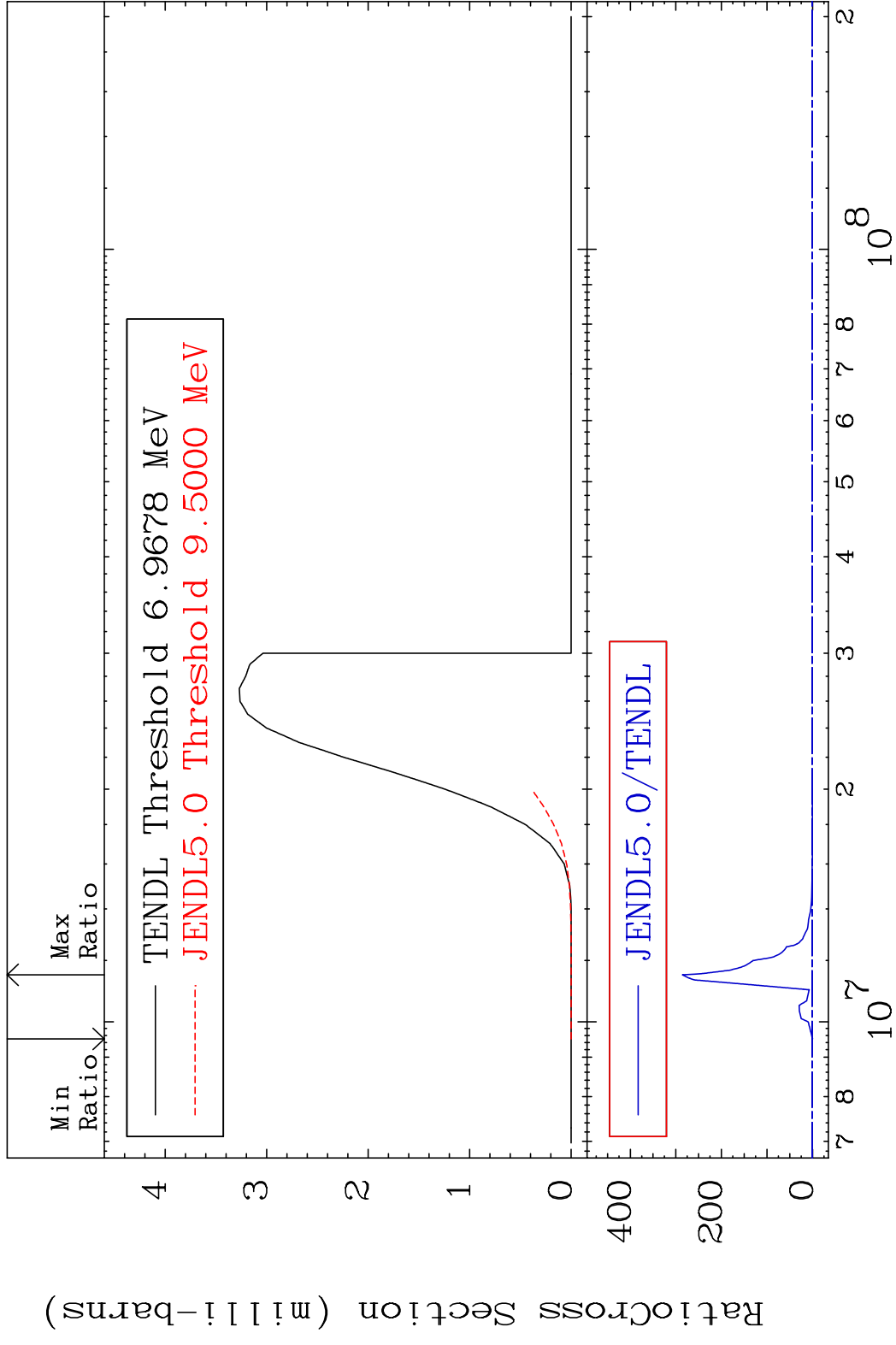
MAT 5131 (n,p):50-Sn-123g 51-Sb-123
 Radionuclide Production Cross Section 140.6 %

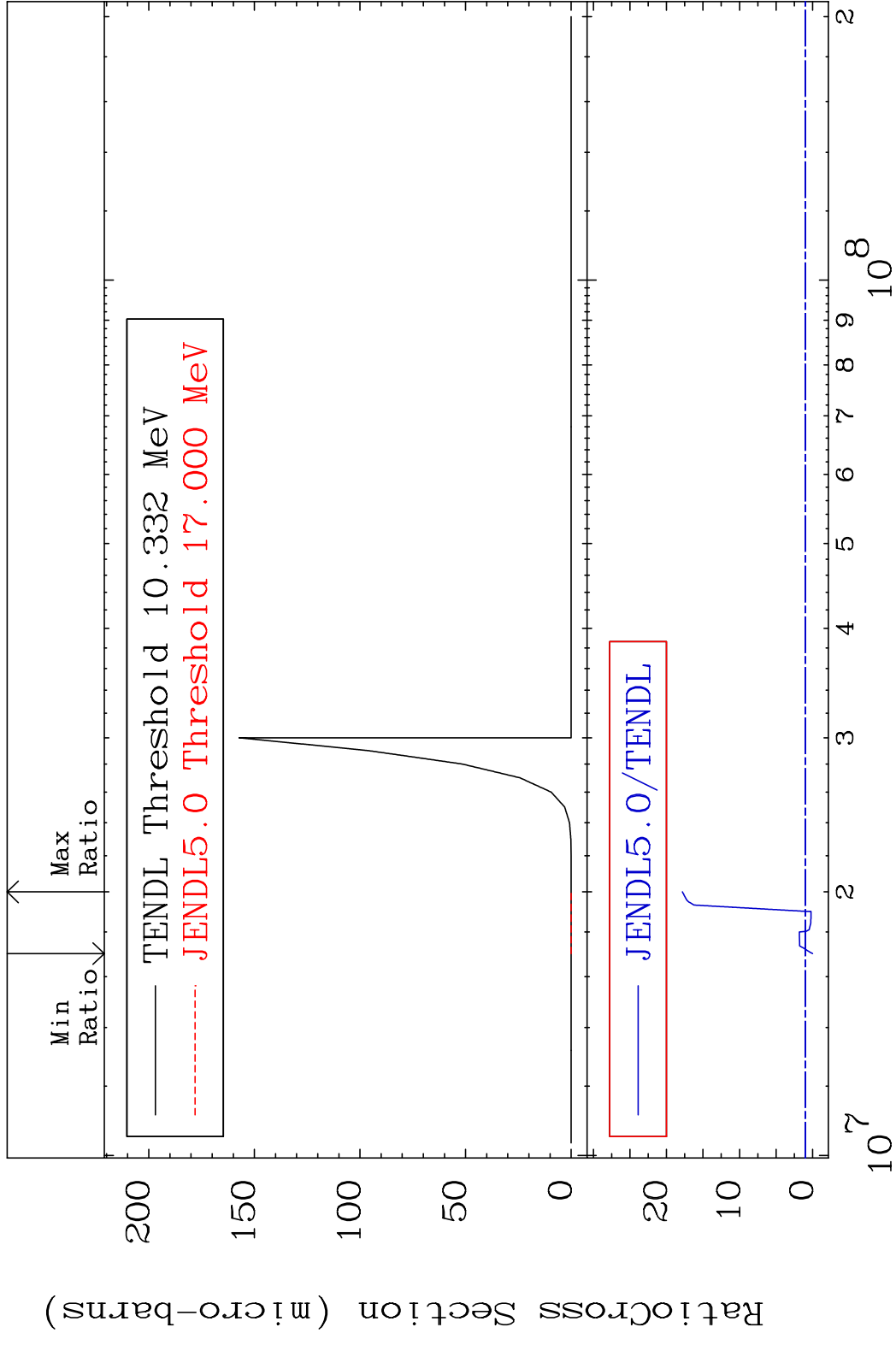


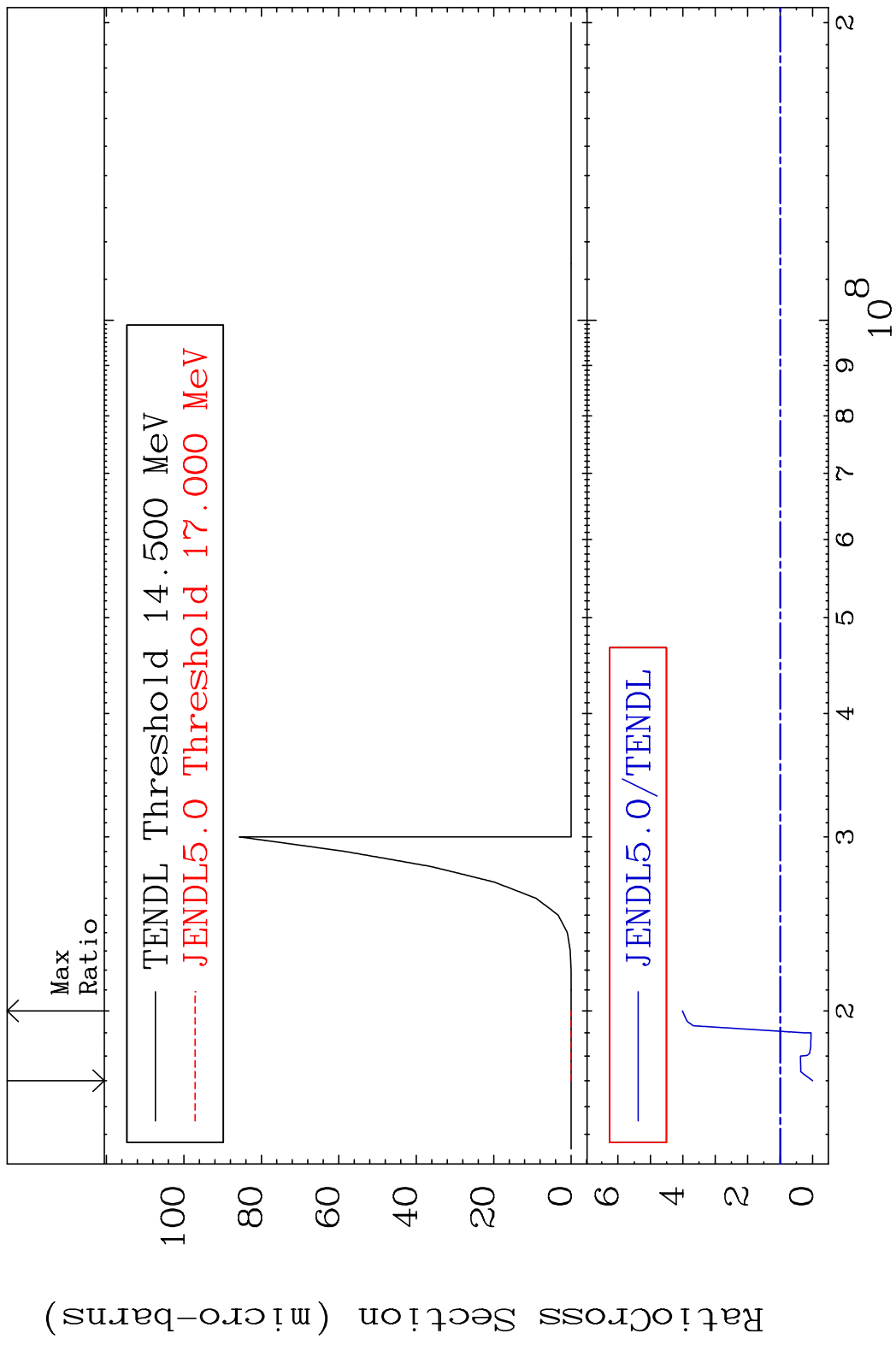




MAT 5131 (n, t):50-Sn-121m1 51-Sb-123
 Radionuclide Production Cross Section to 9999. %





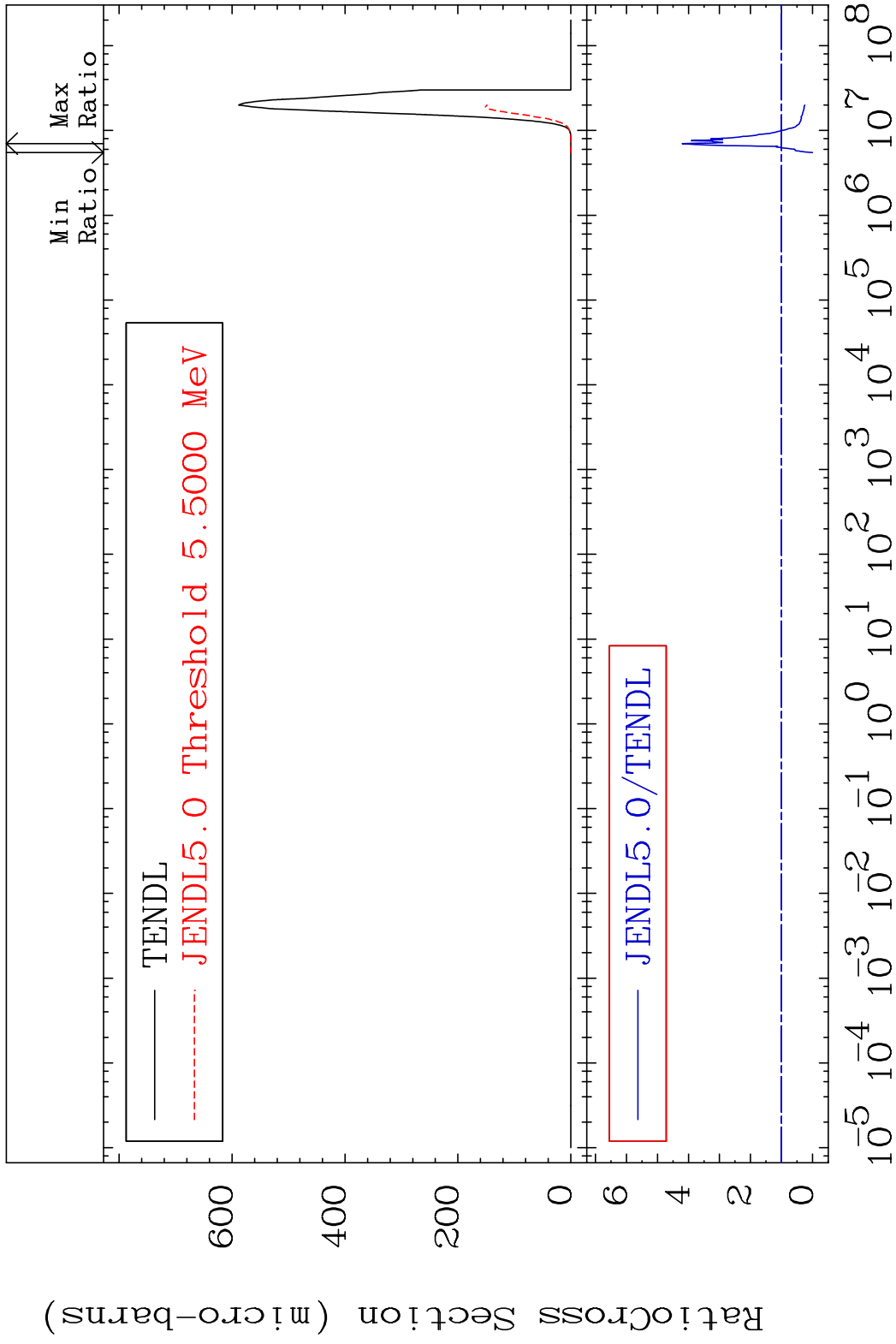


MAT 5131

(n, α): 49-In-120g

51-Sb-123

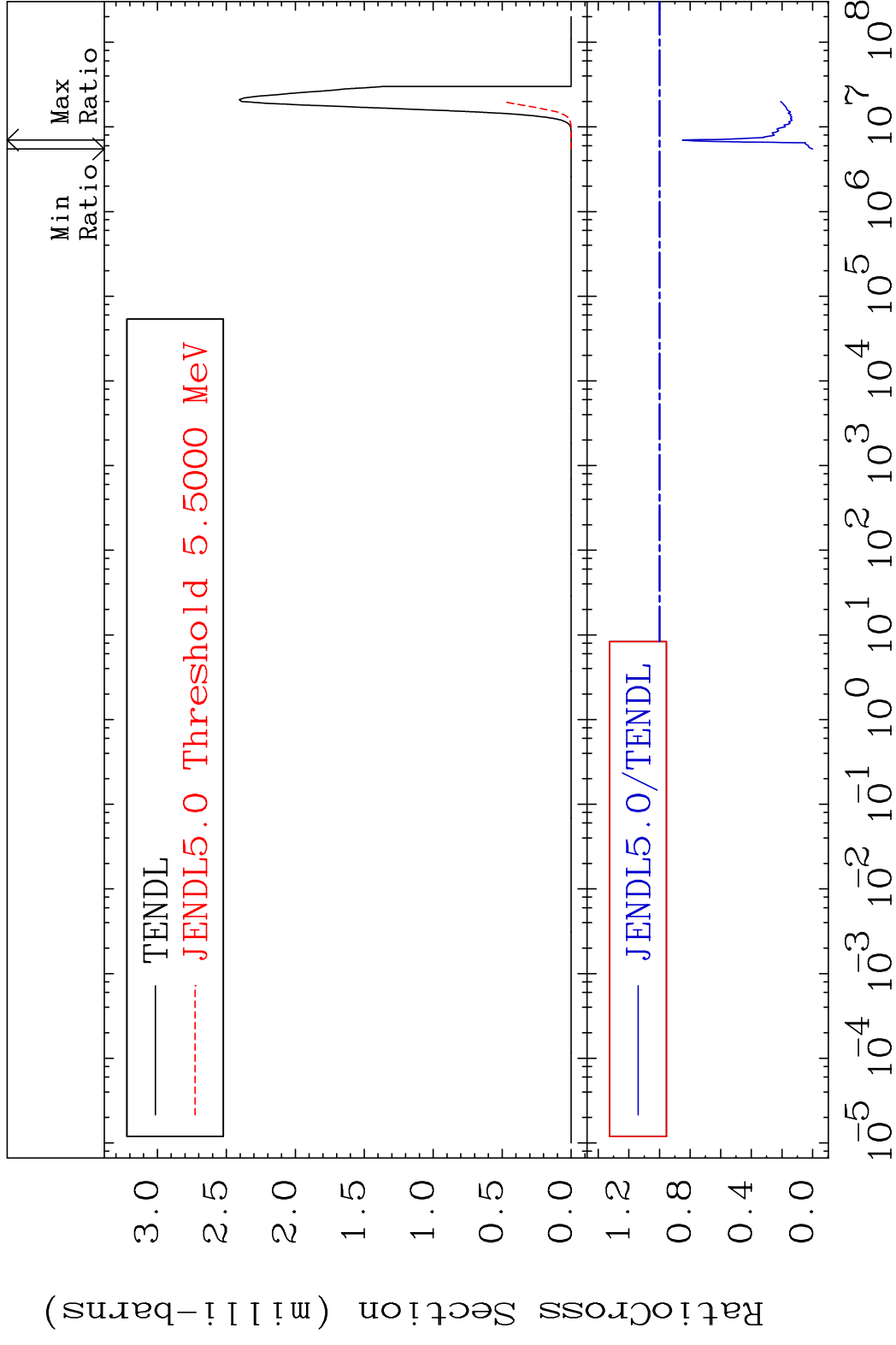
Radionuclide Production Cross Section to 320.5 %

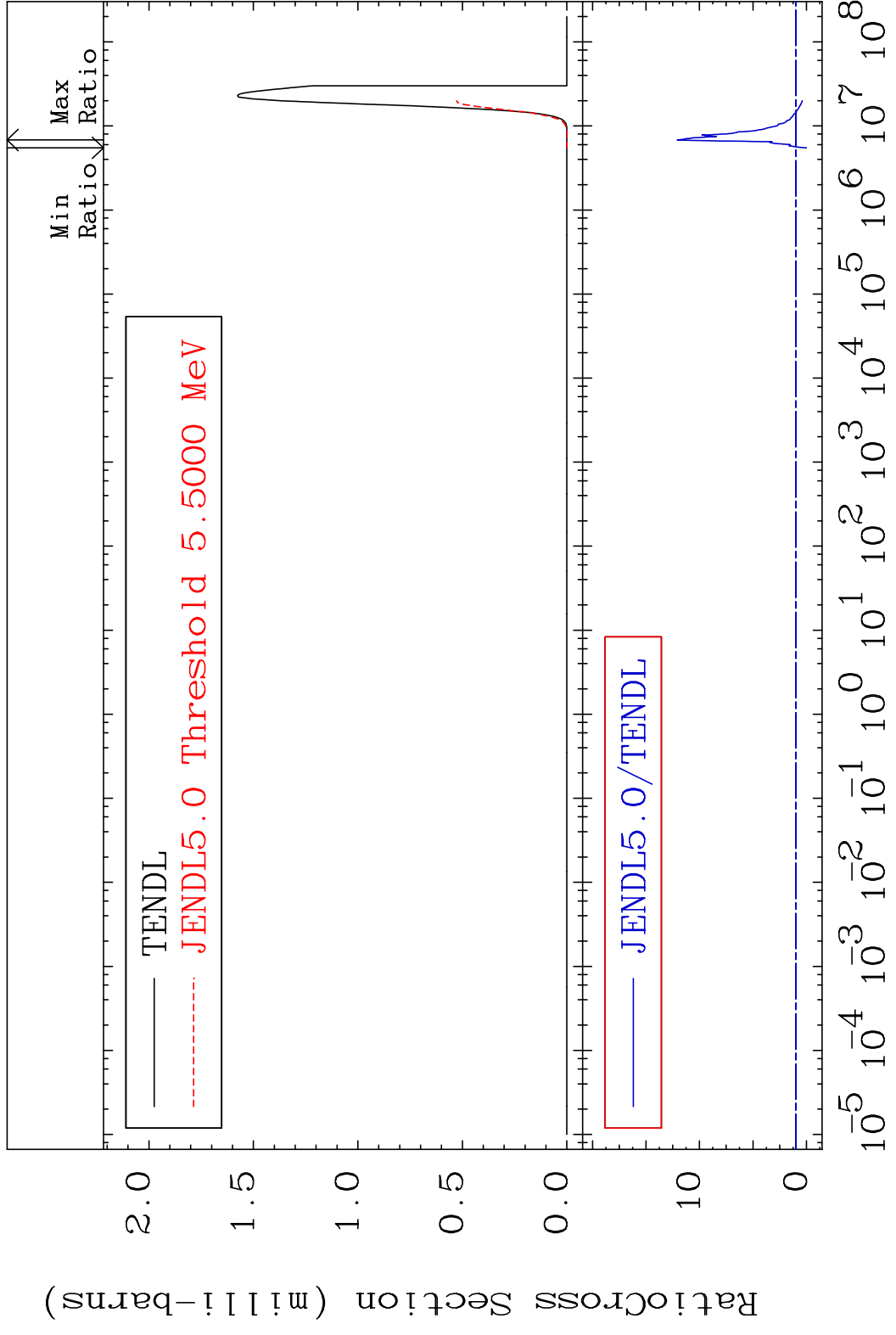


63

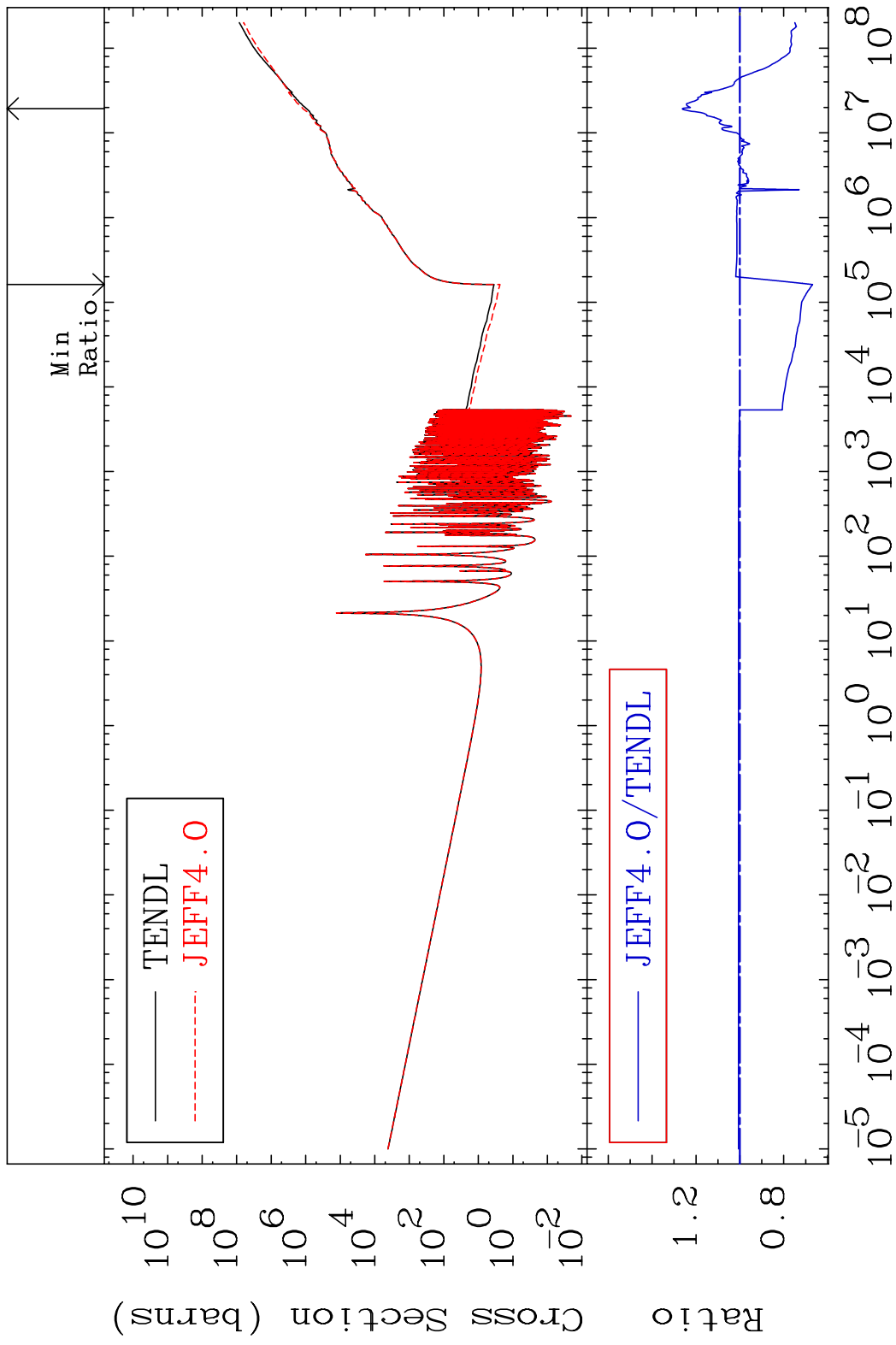
Incident Energy (eV)

51-Sb-123

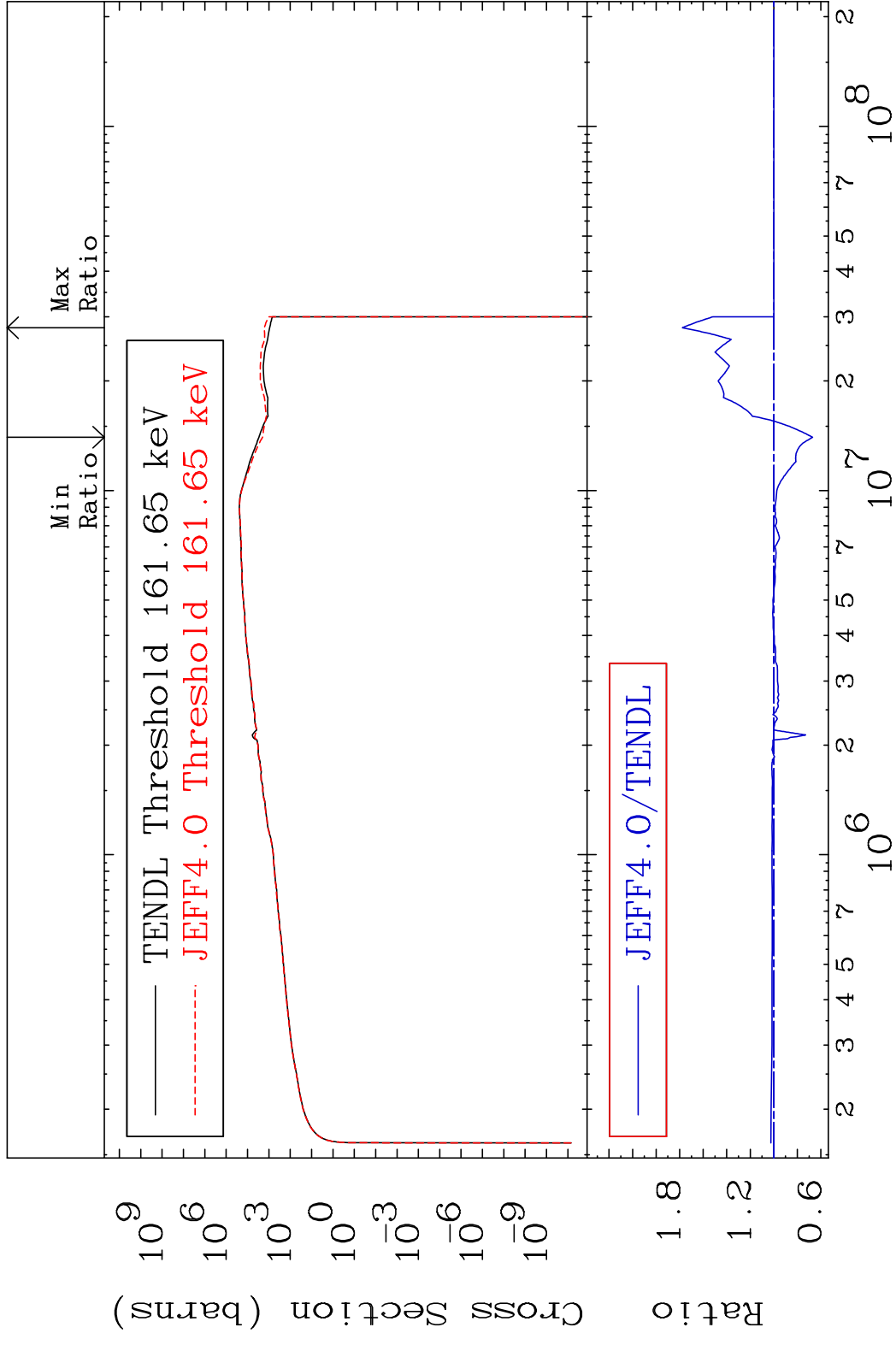




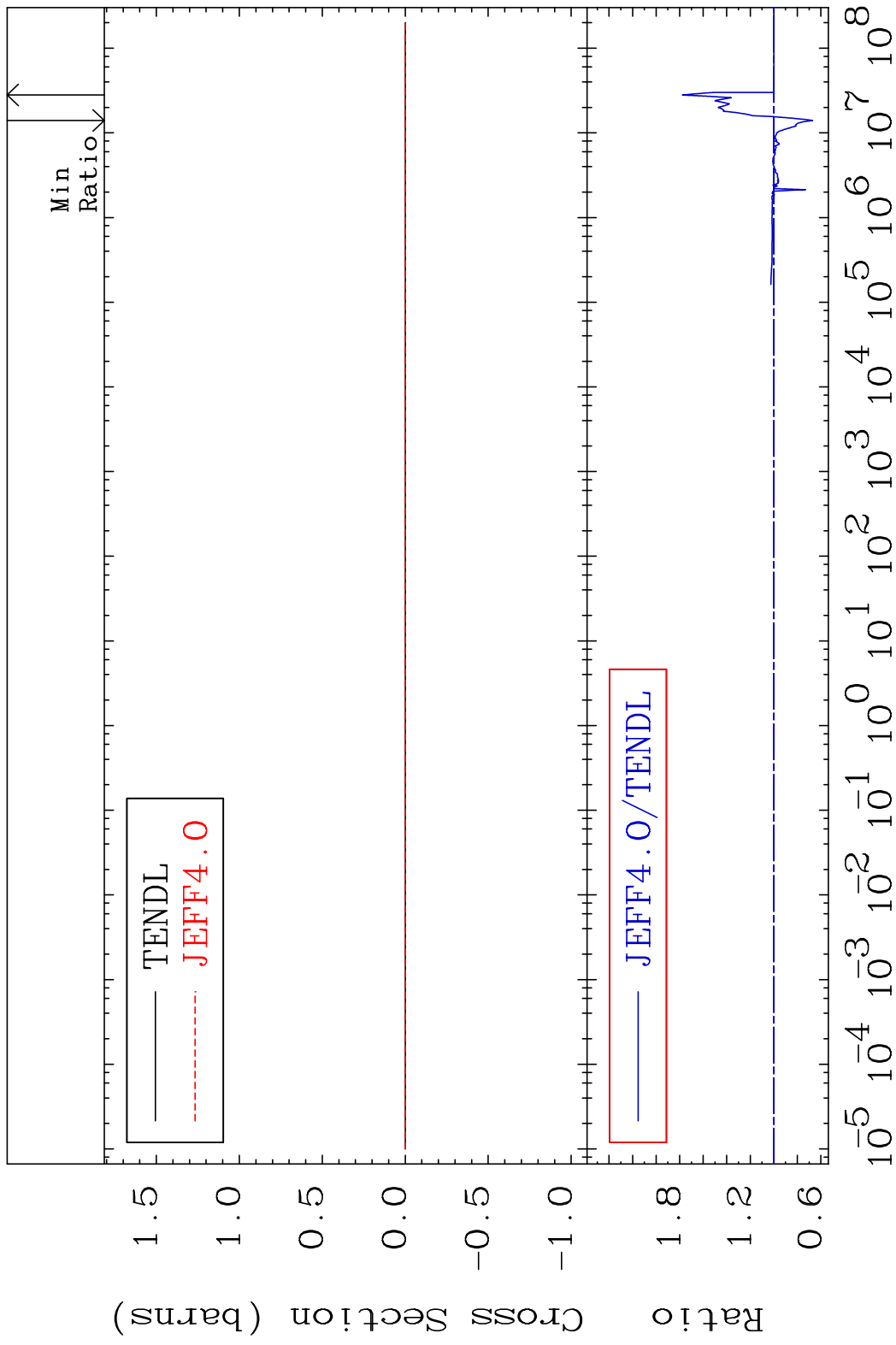
MAT 5131 Kerma non-elastic (all but mt2) 51-Sb-123
 Cross Section -33.14 To 26.22 %



MAT 5131 Kerma inelastic (mt51-91) 51-Sb-123
 Cross Section -32.95 To 77.71 %

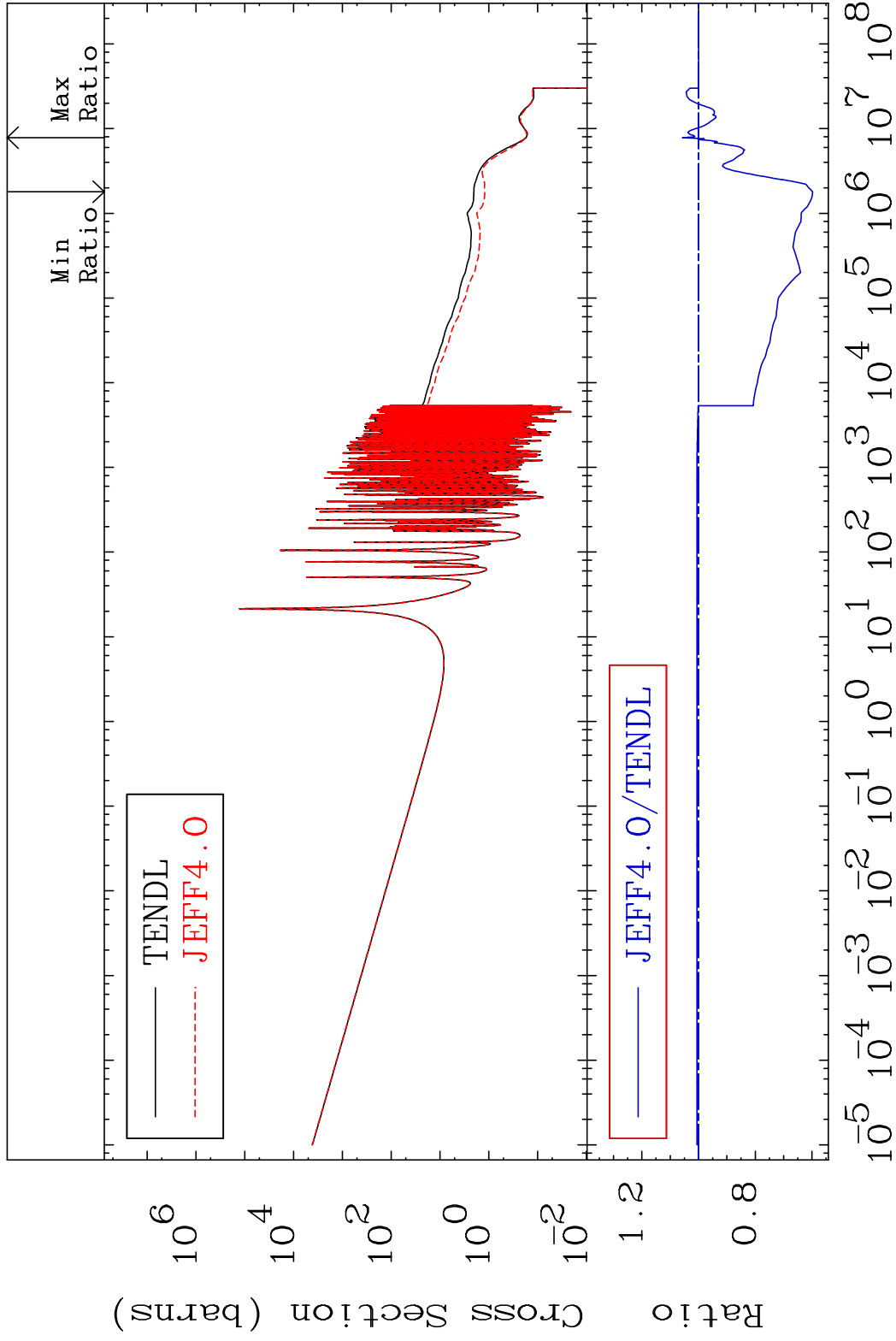


MAT 5131 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-123
 Cross Section -32.95 To 77.71 %



MAT 5131

Kerma capture (mt102) 51-Sb-123
Cross Section -40.21 To 5.711 %



69

Incident Energy (eV)

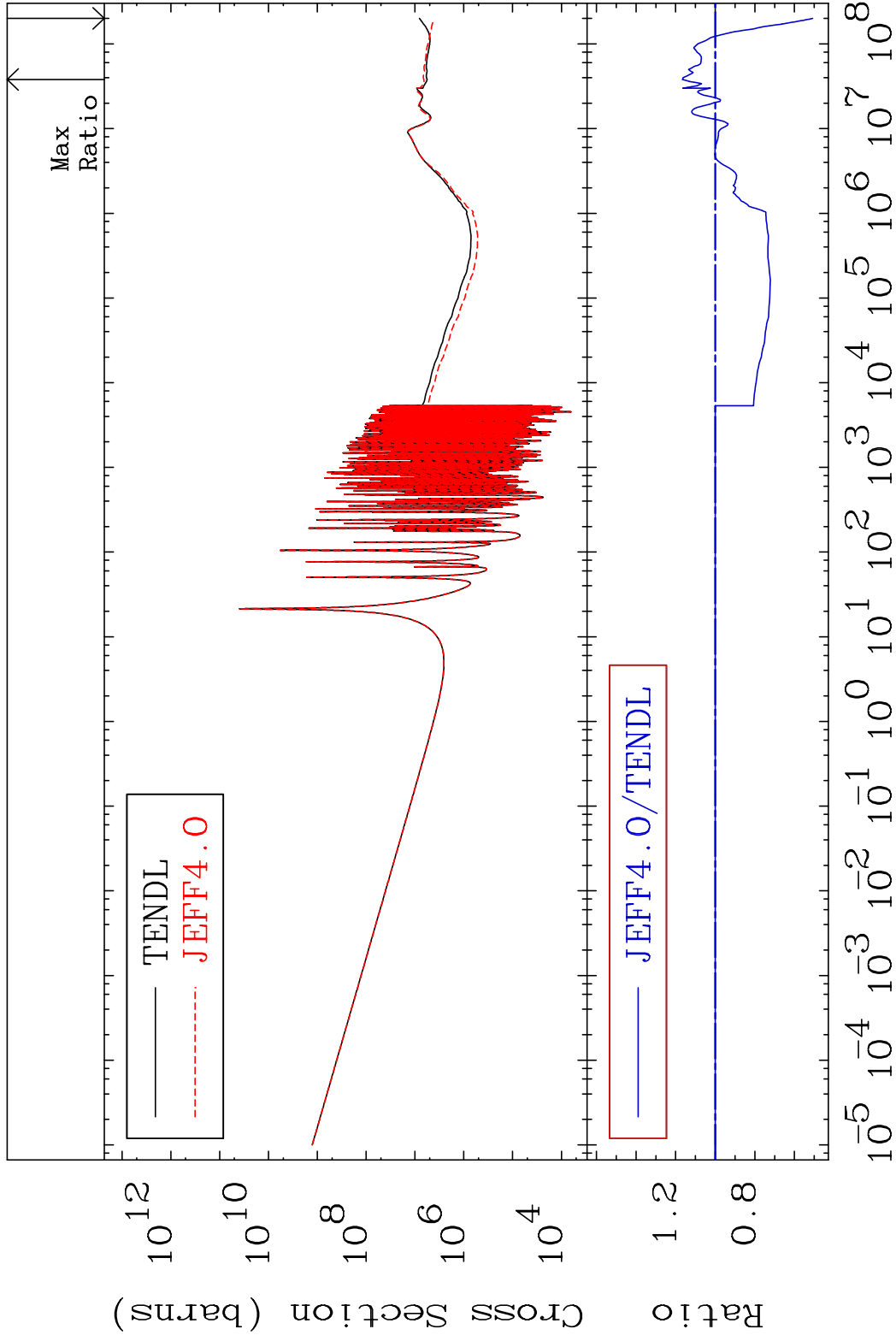
51-Sb-123

MAT 5131

Total photon (eV-barns)

51-Sb-123

Cross Section -49.14 To 16.60 %

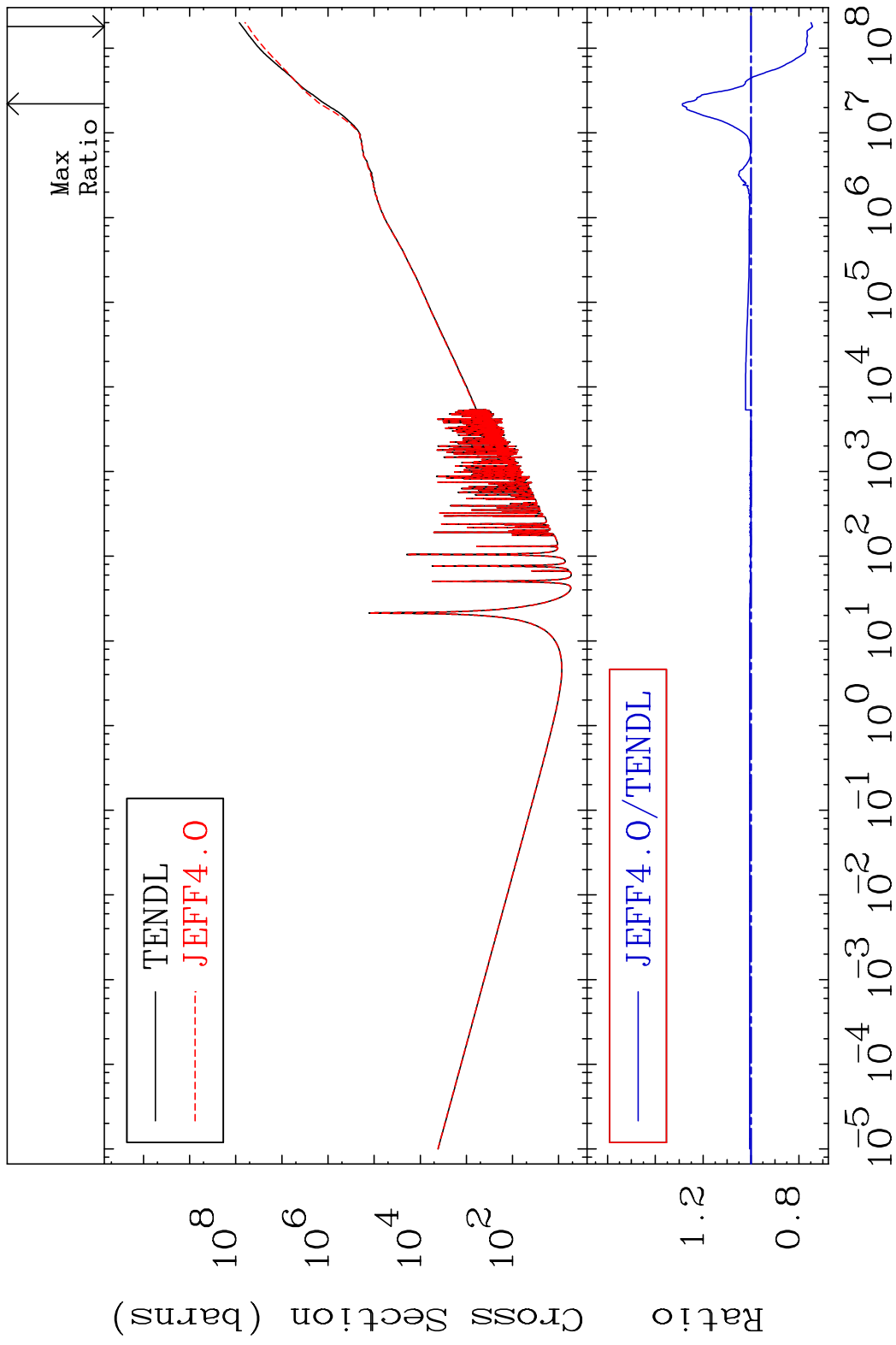


70

Incident Energy (eV)

51-Sb-123

MAT 5131 Total kinematic kerma (high limit) 51-Sb-123
 Cross Section -25.73 To 28.70 %

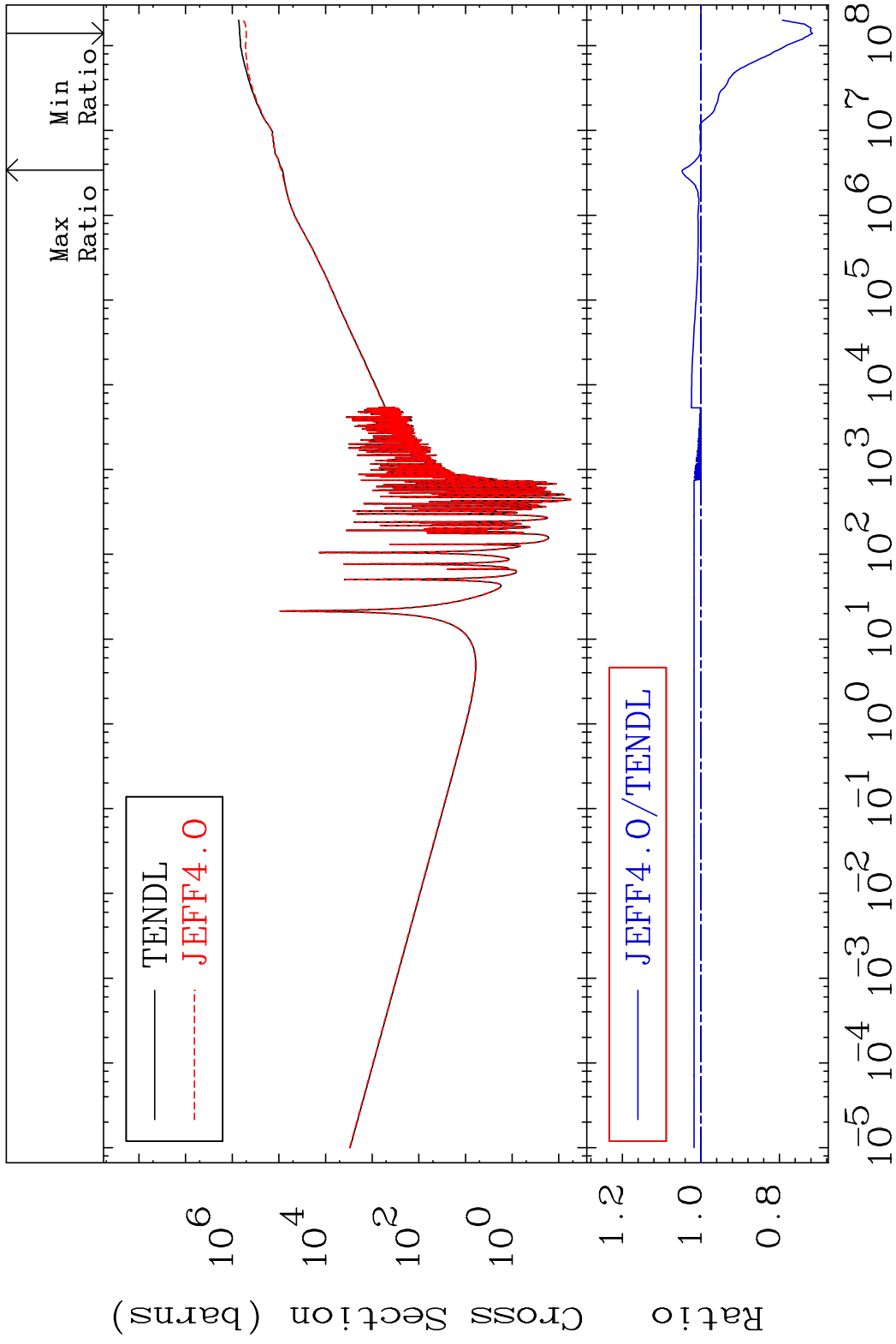


MAT 5131

Dpa total (eV-barns)

51-Sb-123

Cross Section -28.41 To 4.777 %



72

Incident Energy (eV)

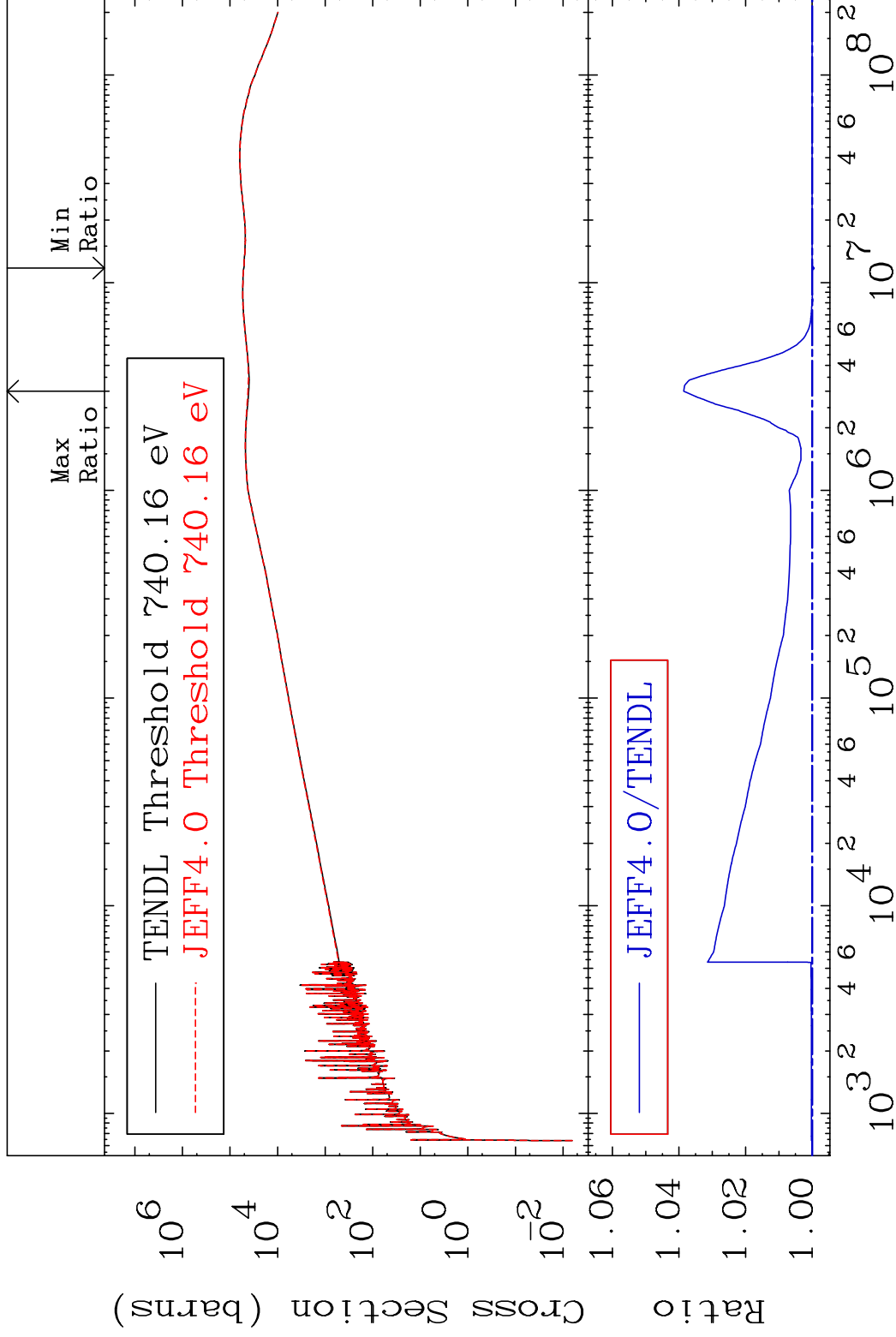
51-Sb-123

MAT 5131

Dpa elastic (mt2)

51-Sb-123

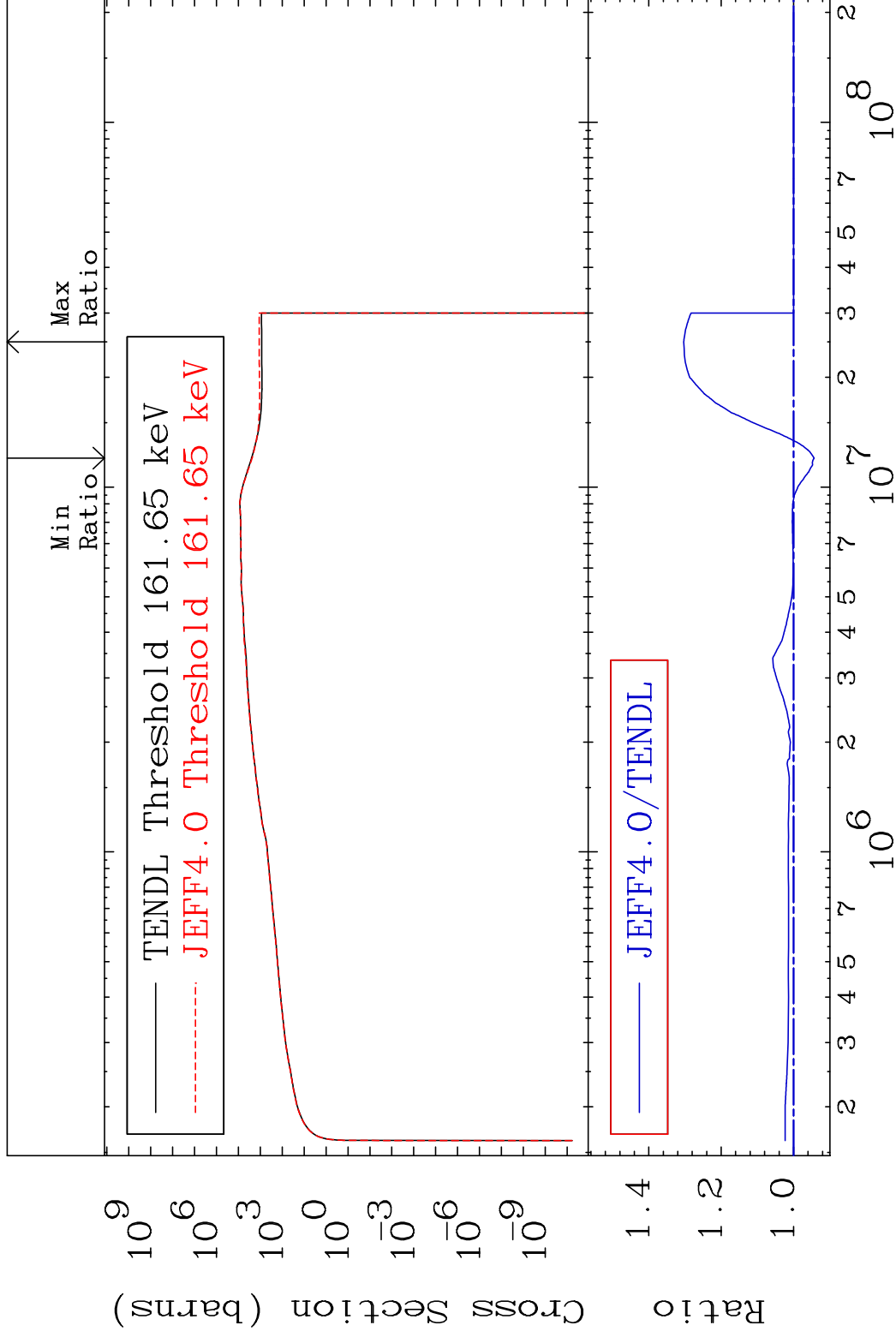
Cross Section -0.058 To 3.860 %



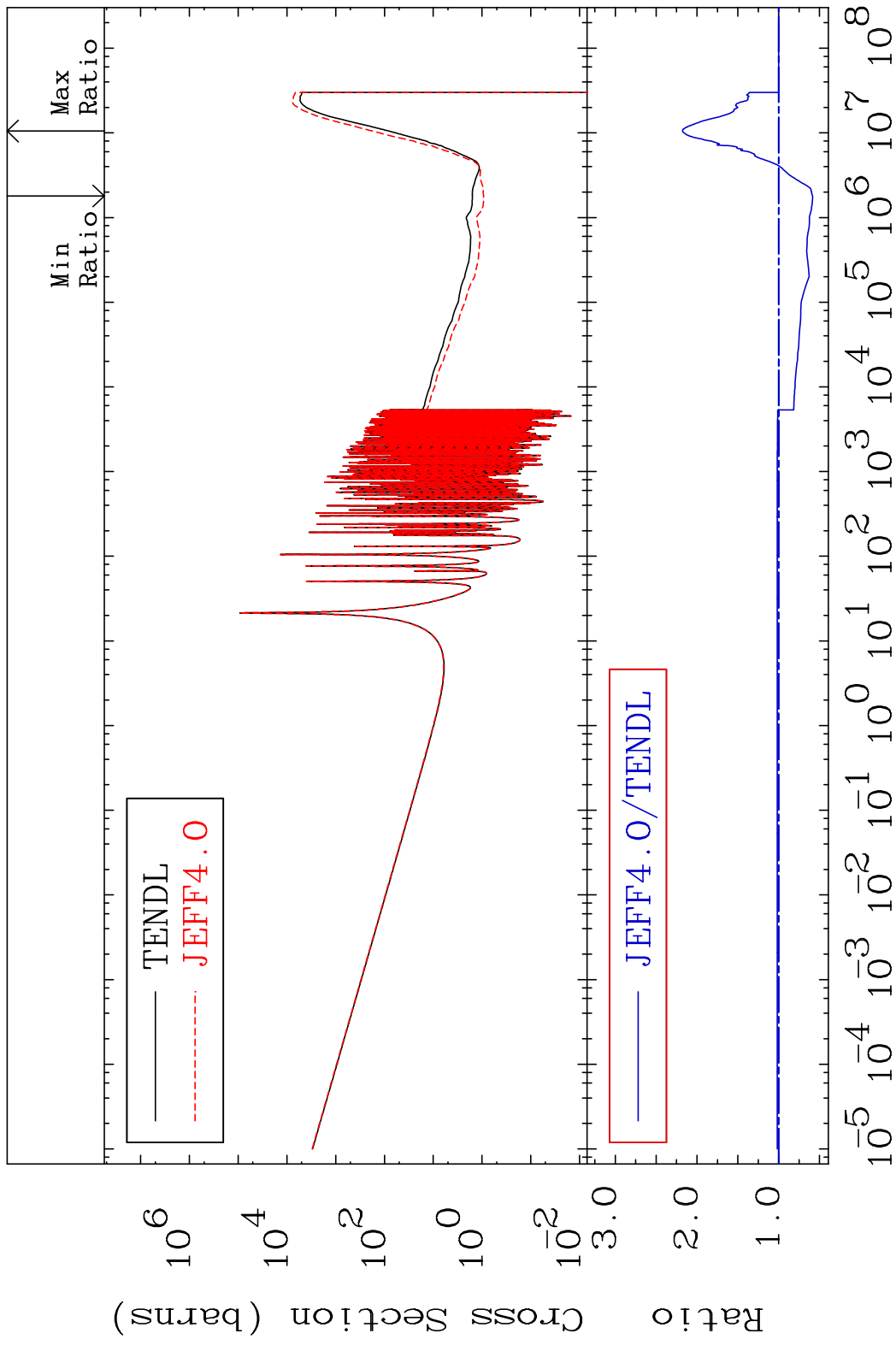
73

Incident Energy (eV)

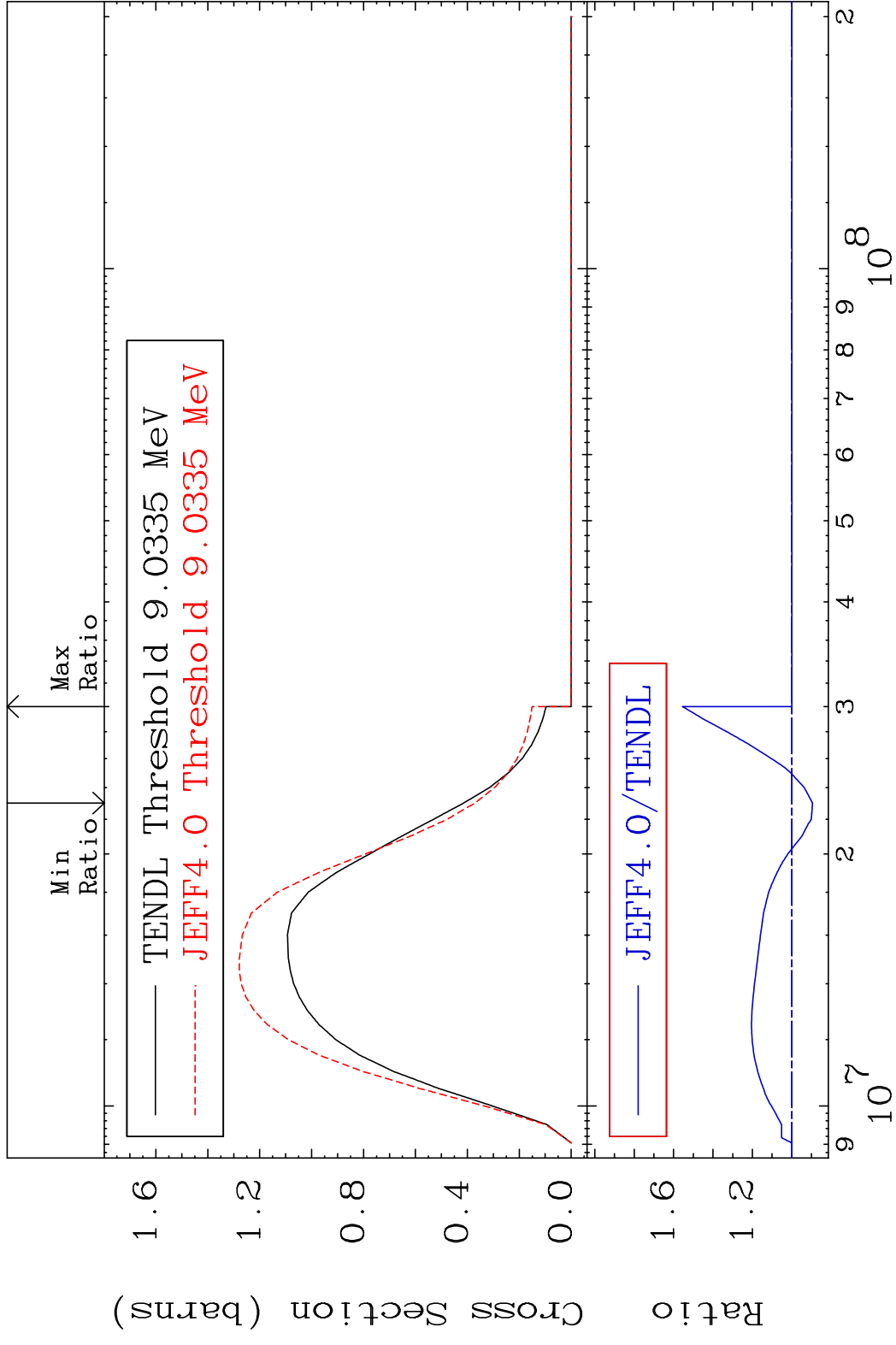
51-Sb-123



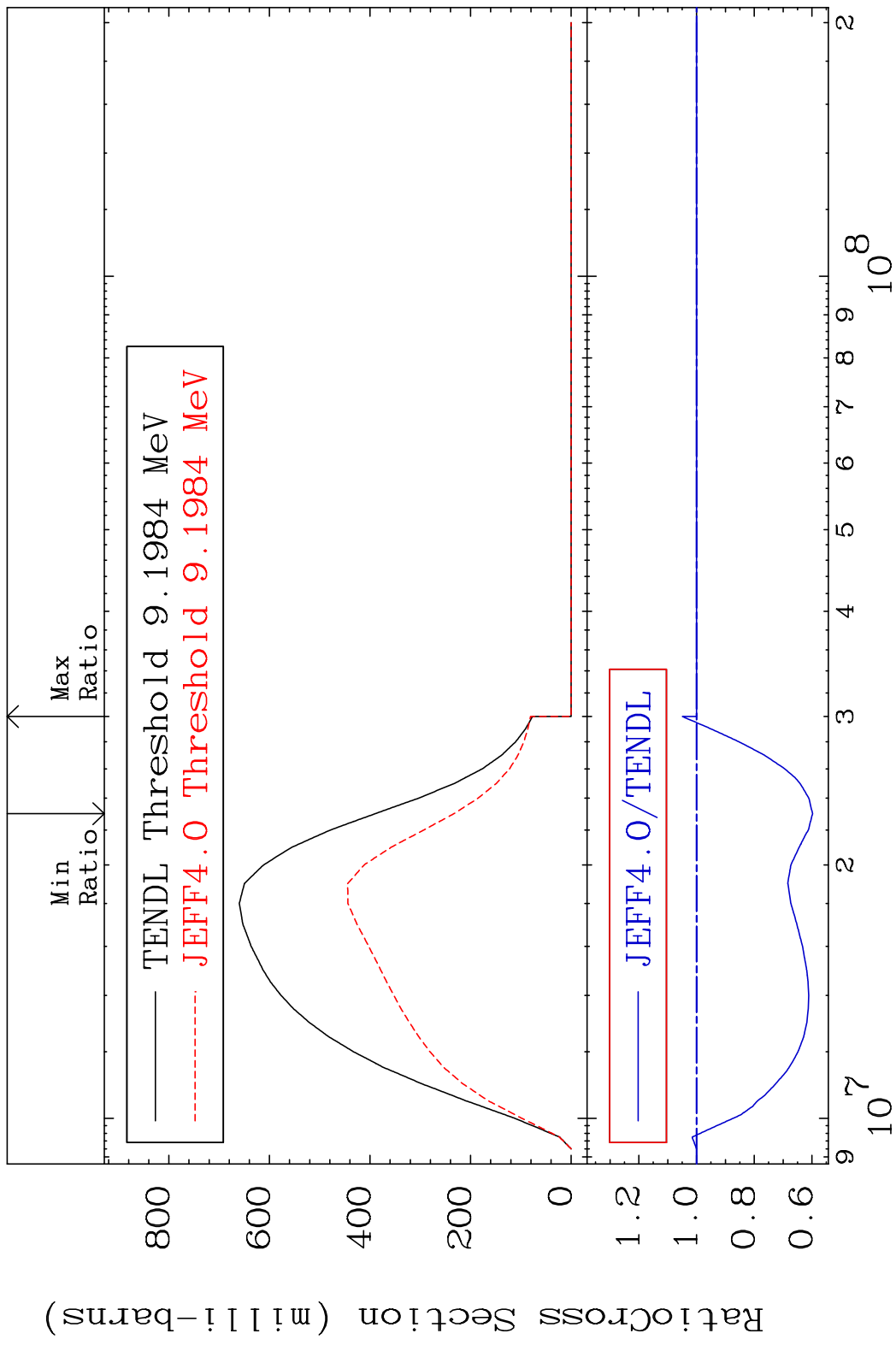
MAT 5131 Dpa disappearance (mt102 -120) 51-Sb-123
 Cross Section -41.45 To 117.9 %



75 Incident Energy (eV) 51-Sb-123

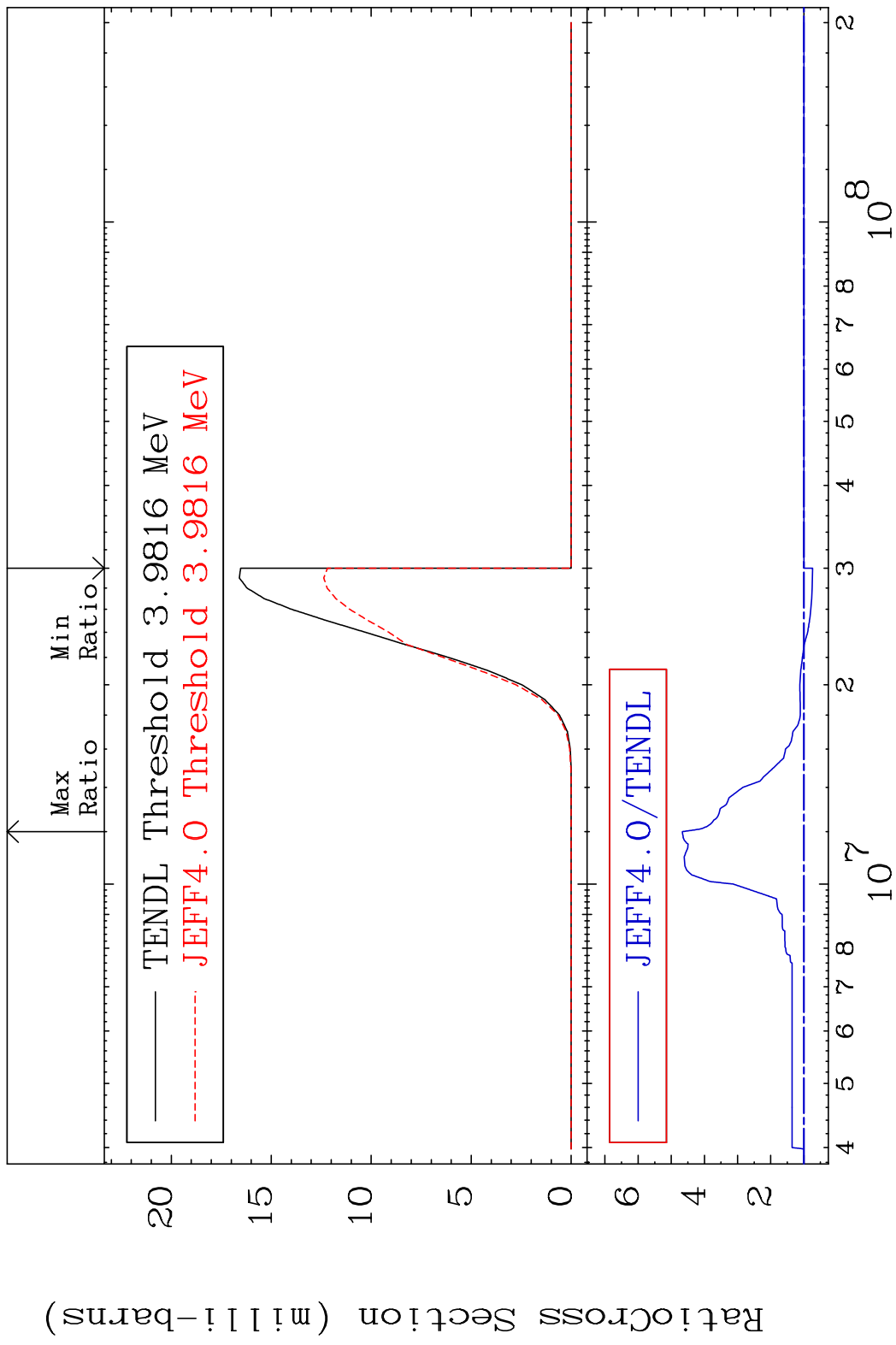


MAT 5131 (n, 2n):51-Sb-122m5 51-Sb-123
 Radionuclide Production Cross Section 4.921 %

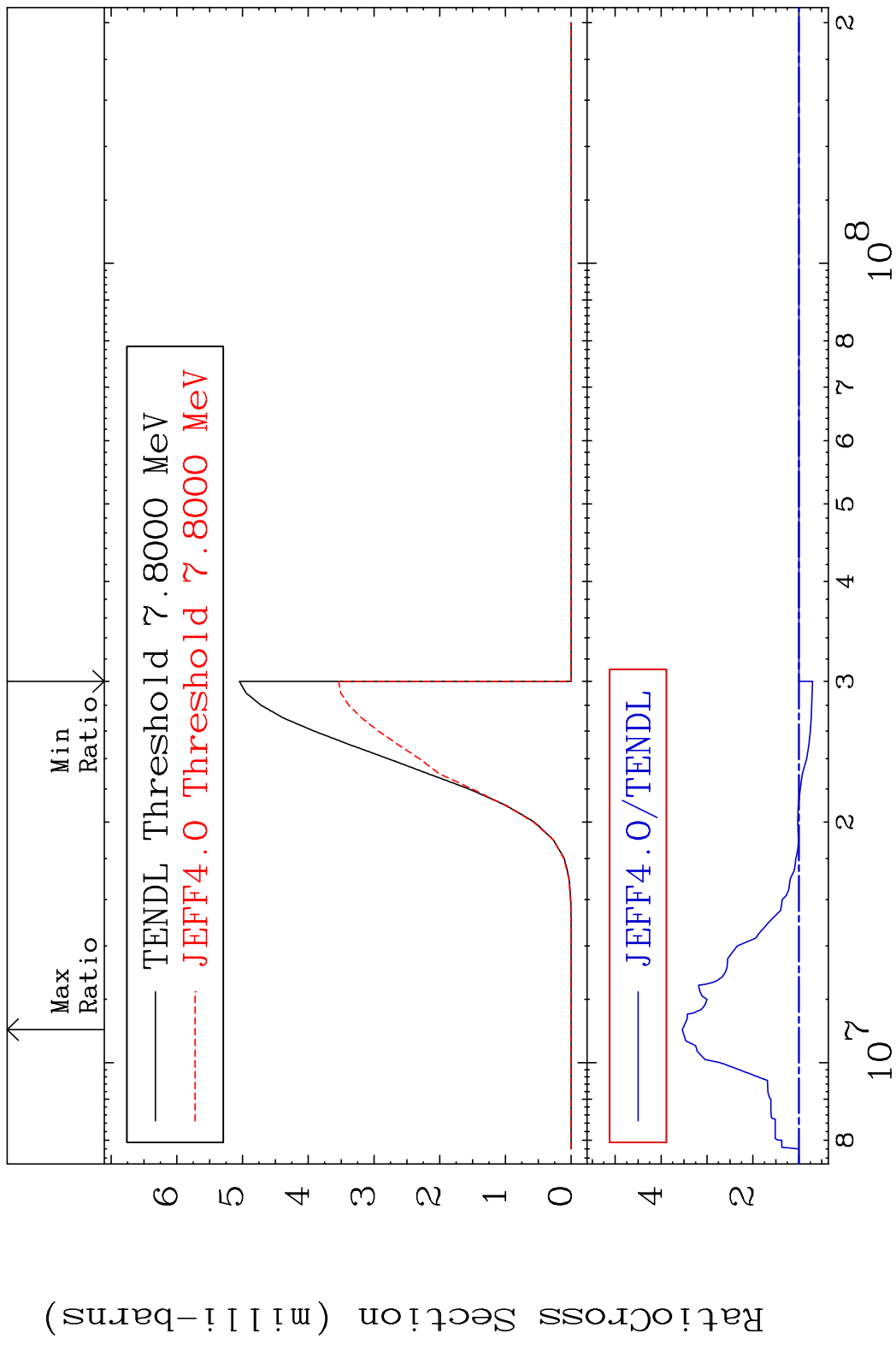


77 Incident Energy (eV) 51-Sb-123

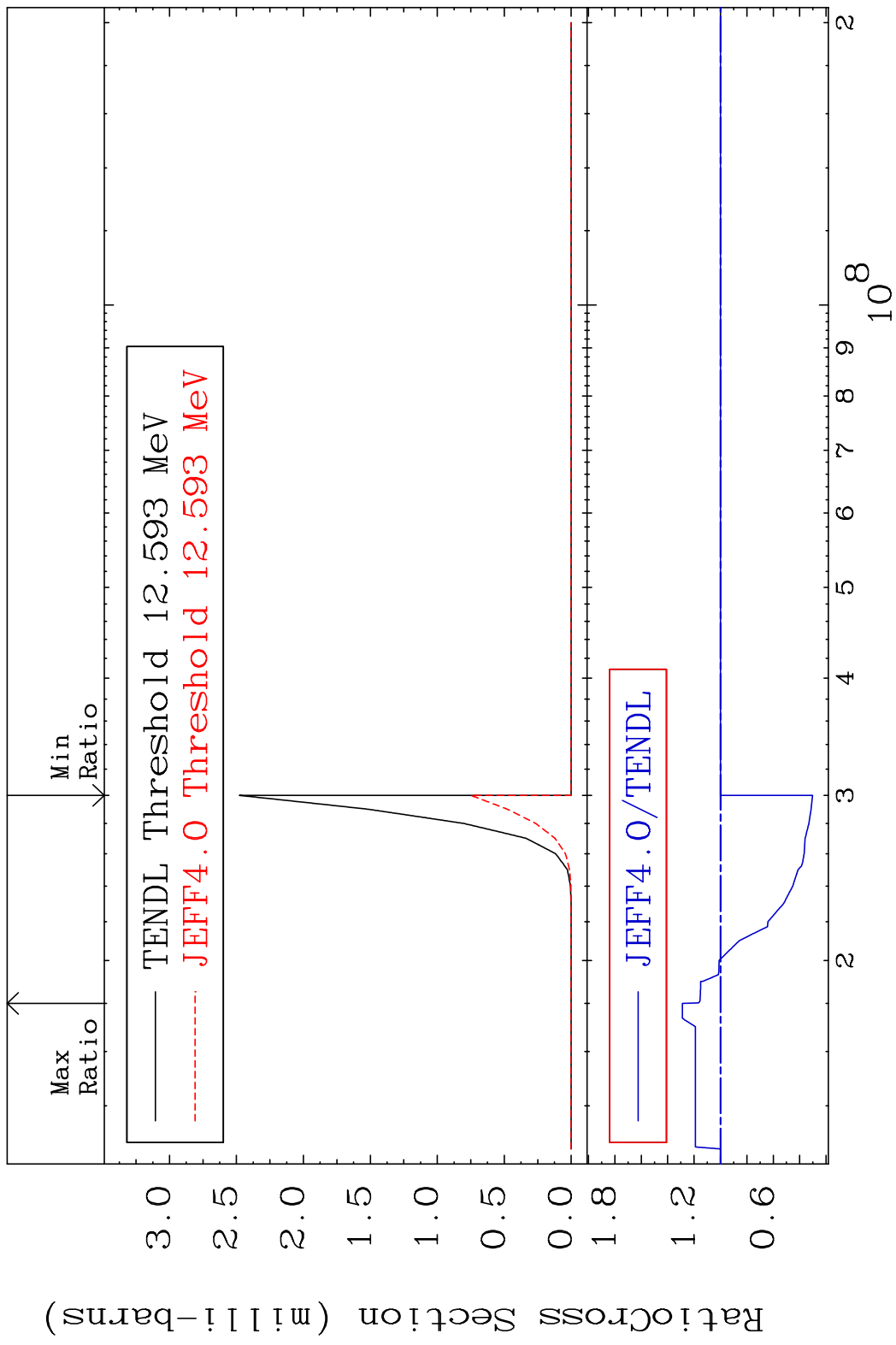
MAT 5131 (n, n') α :49-In-119g 51-Sb-123
 Radionuclide Production Cross Section 36.26 dpo 366.5 %

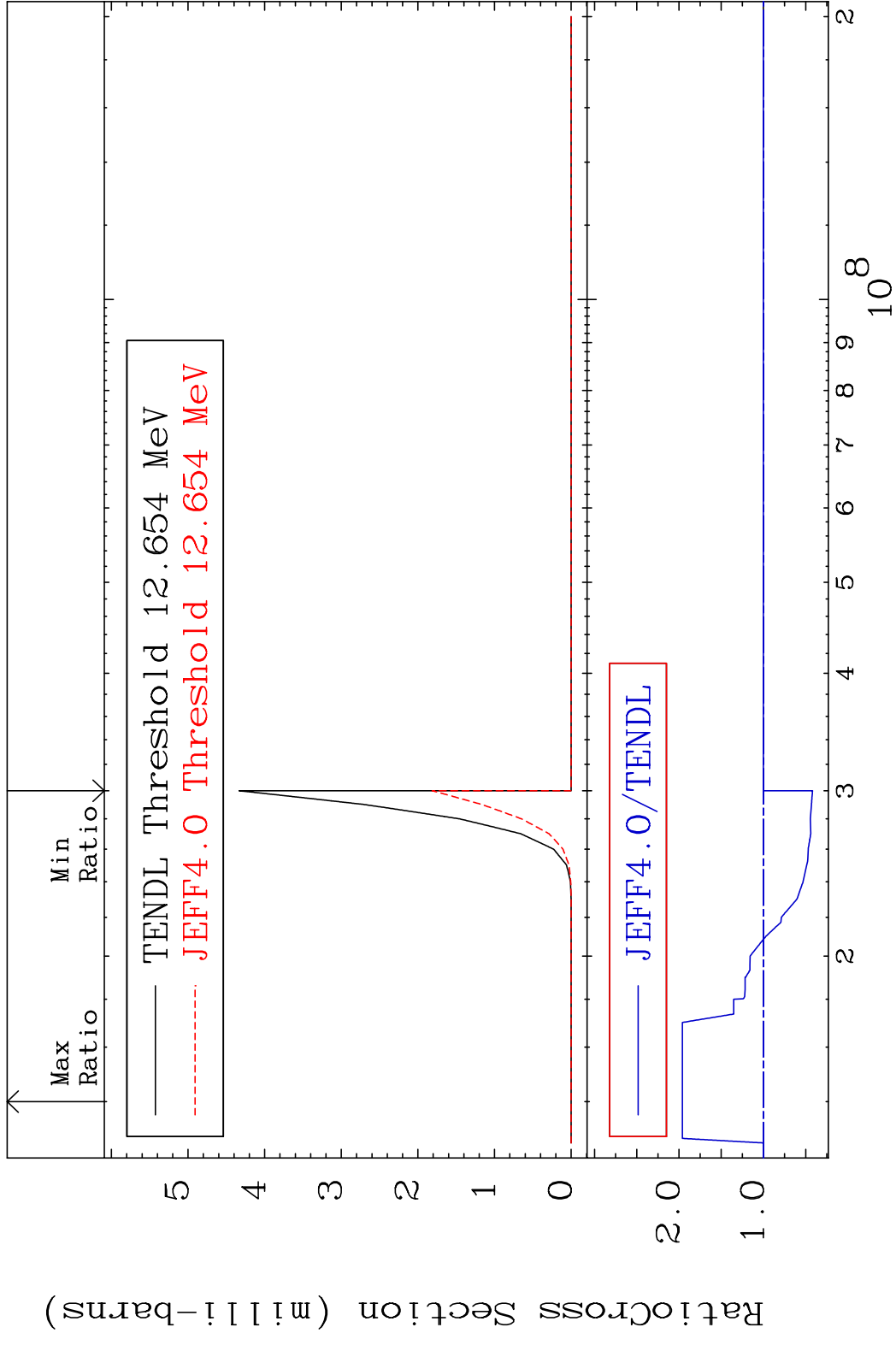


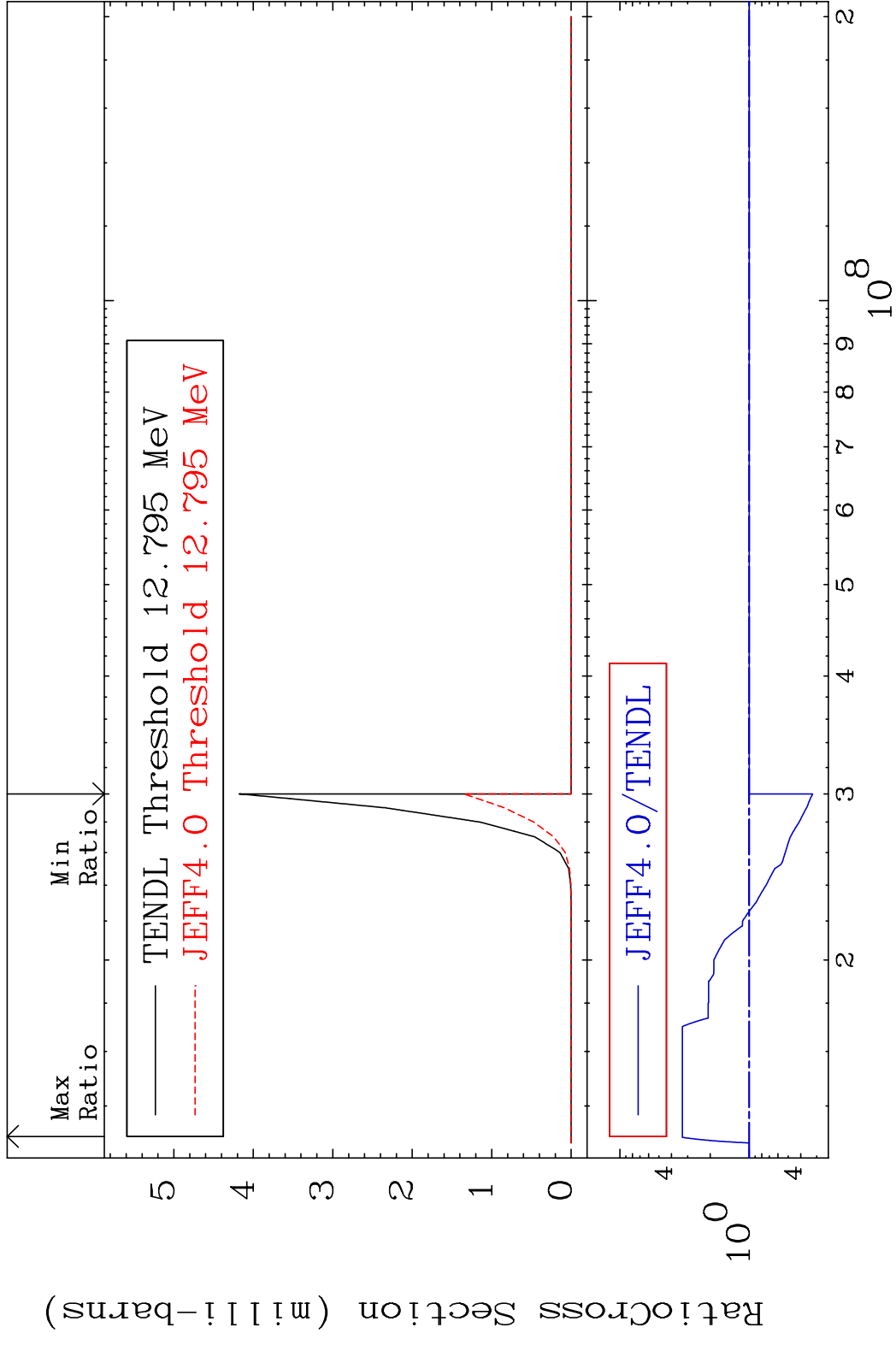
MAT 5131 (n, n') α :49-In-119m1 51-Sb-123
 Radionuclide Production Cross Section 253.7 %

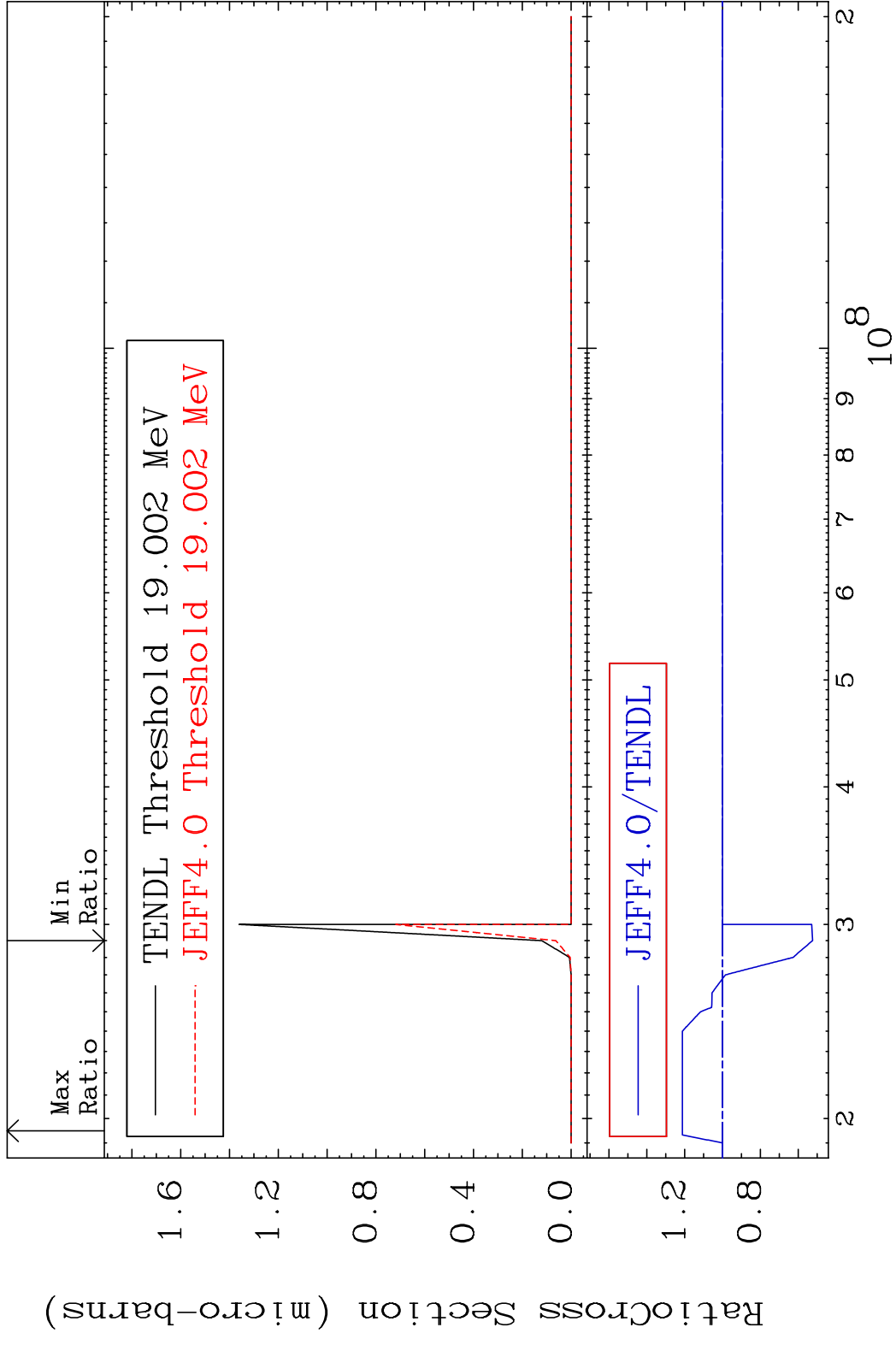


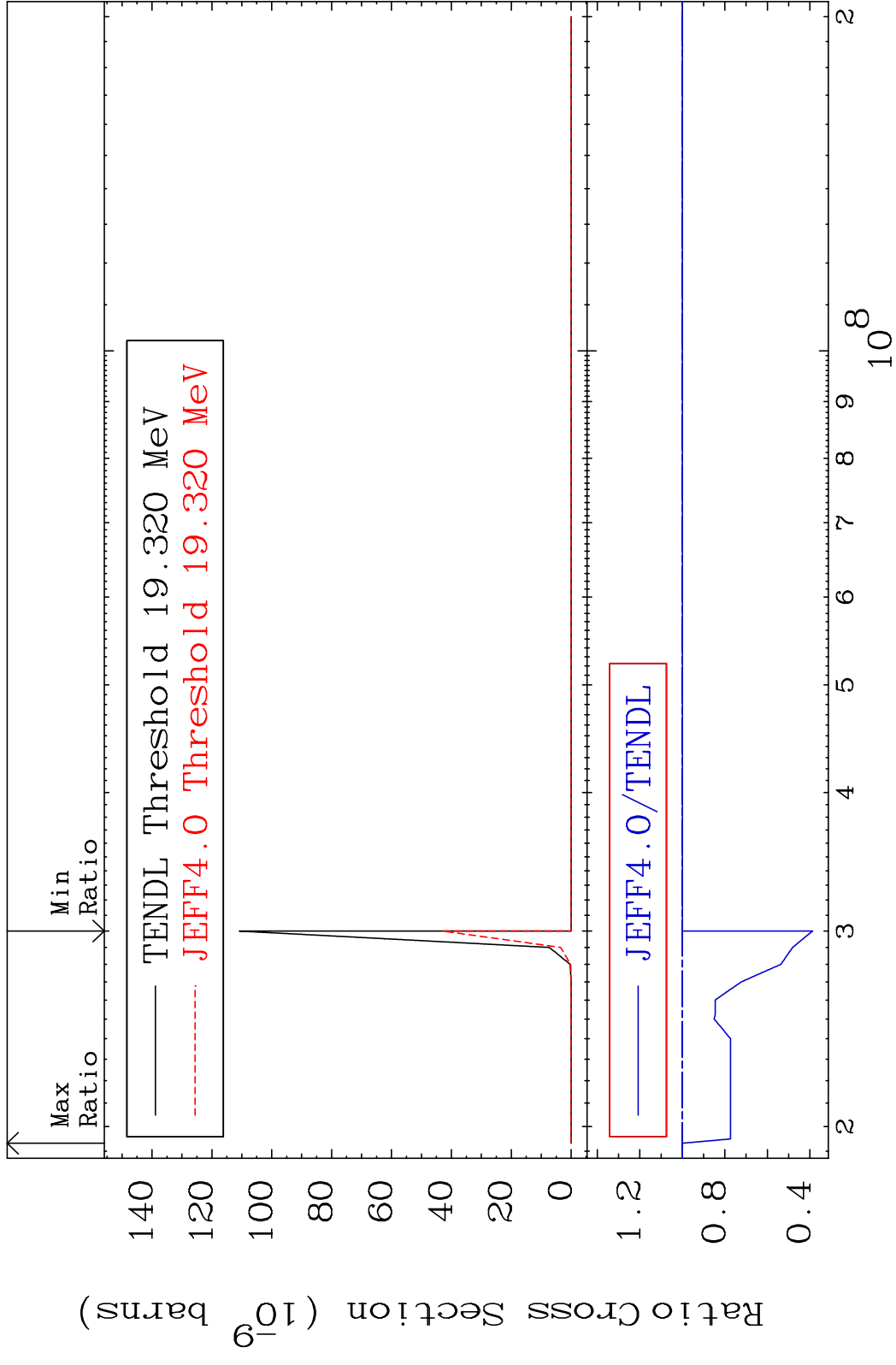
MAT 5131 (n,2n) α :49-In-118g 51-Sb-123
 Radionuclide Production Cross Section 28.88 %

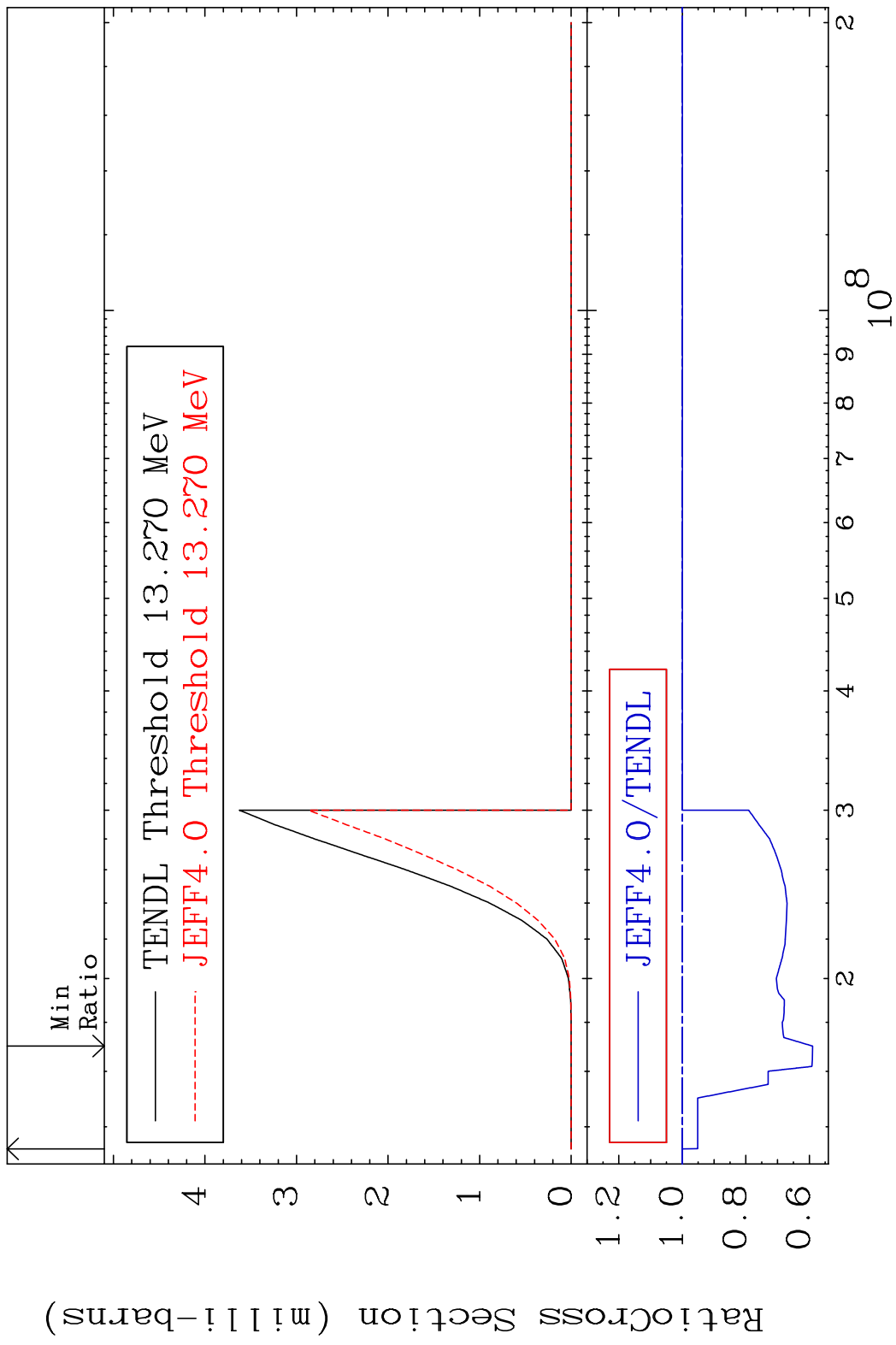


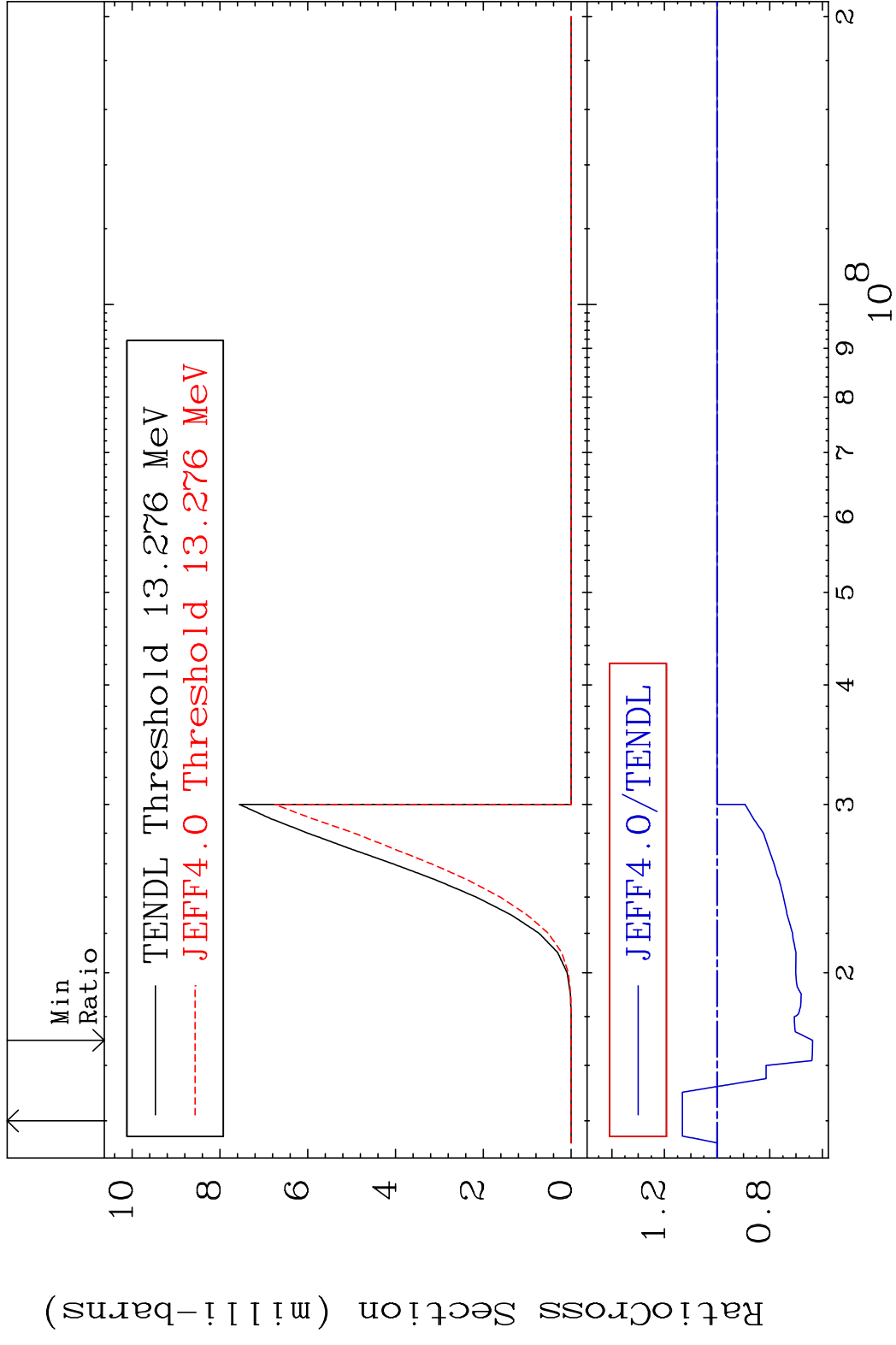


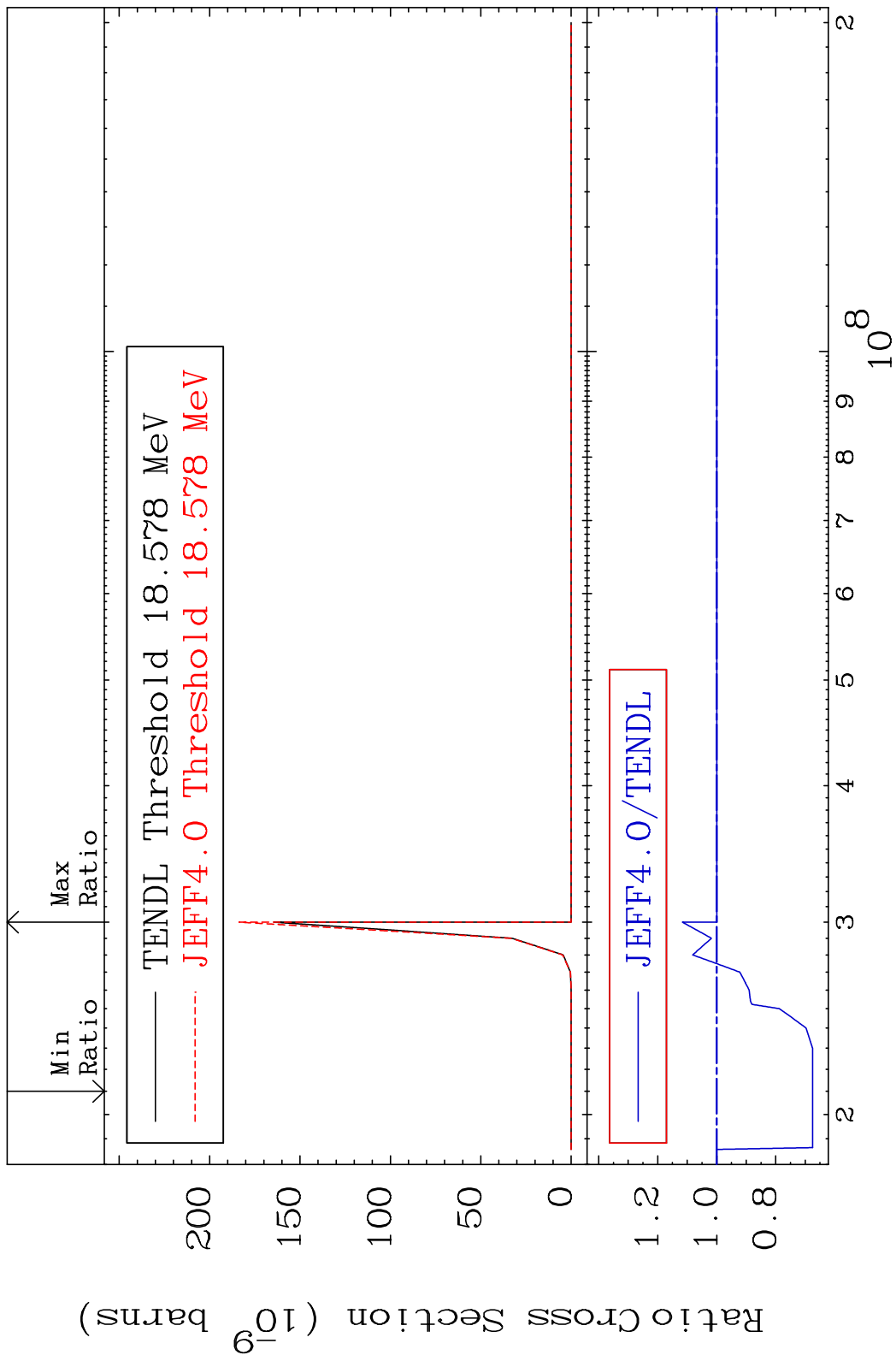


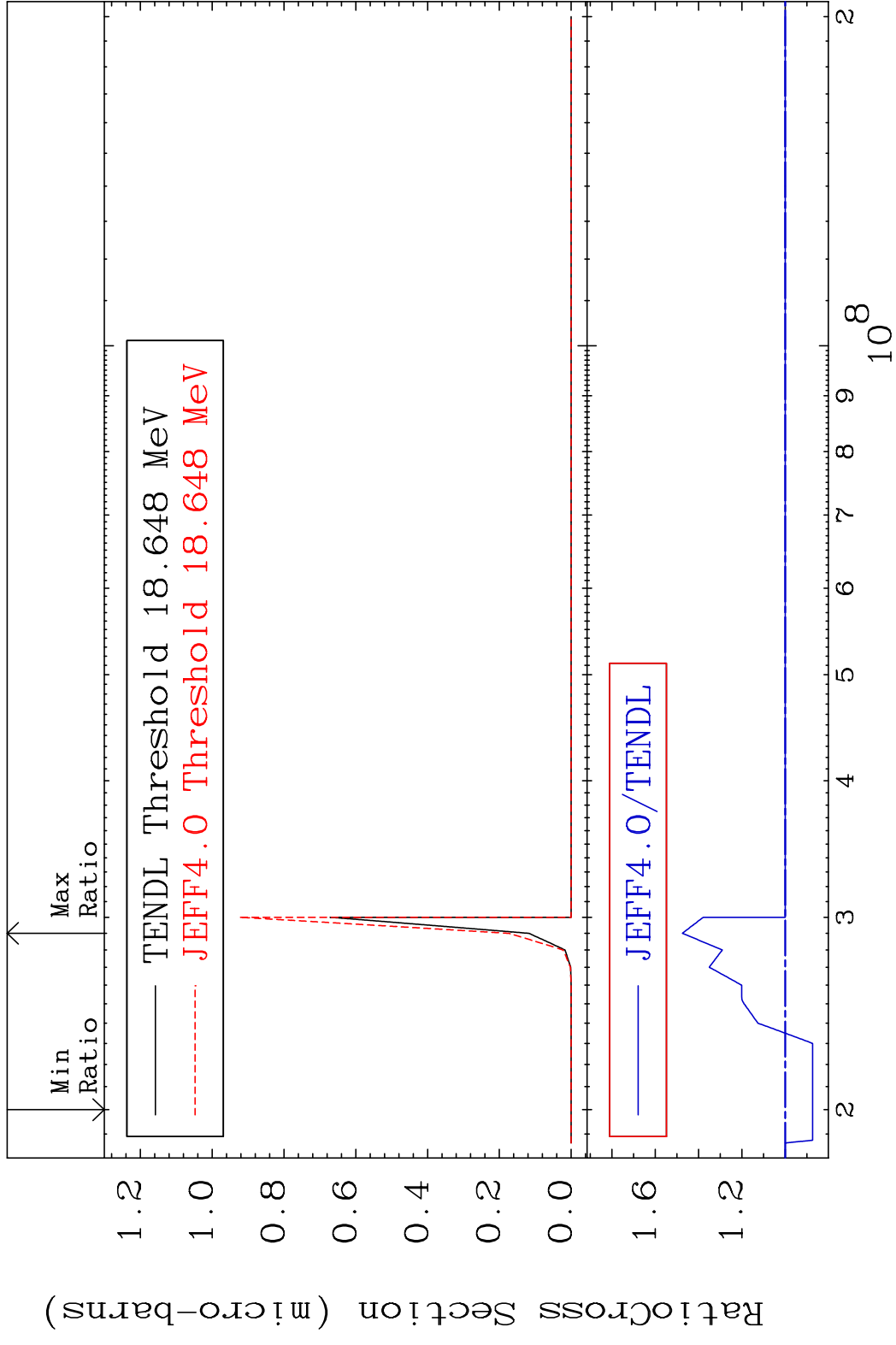


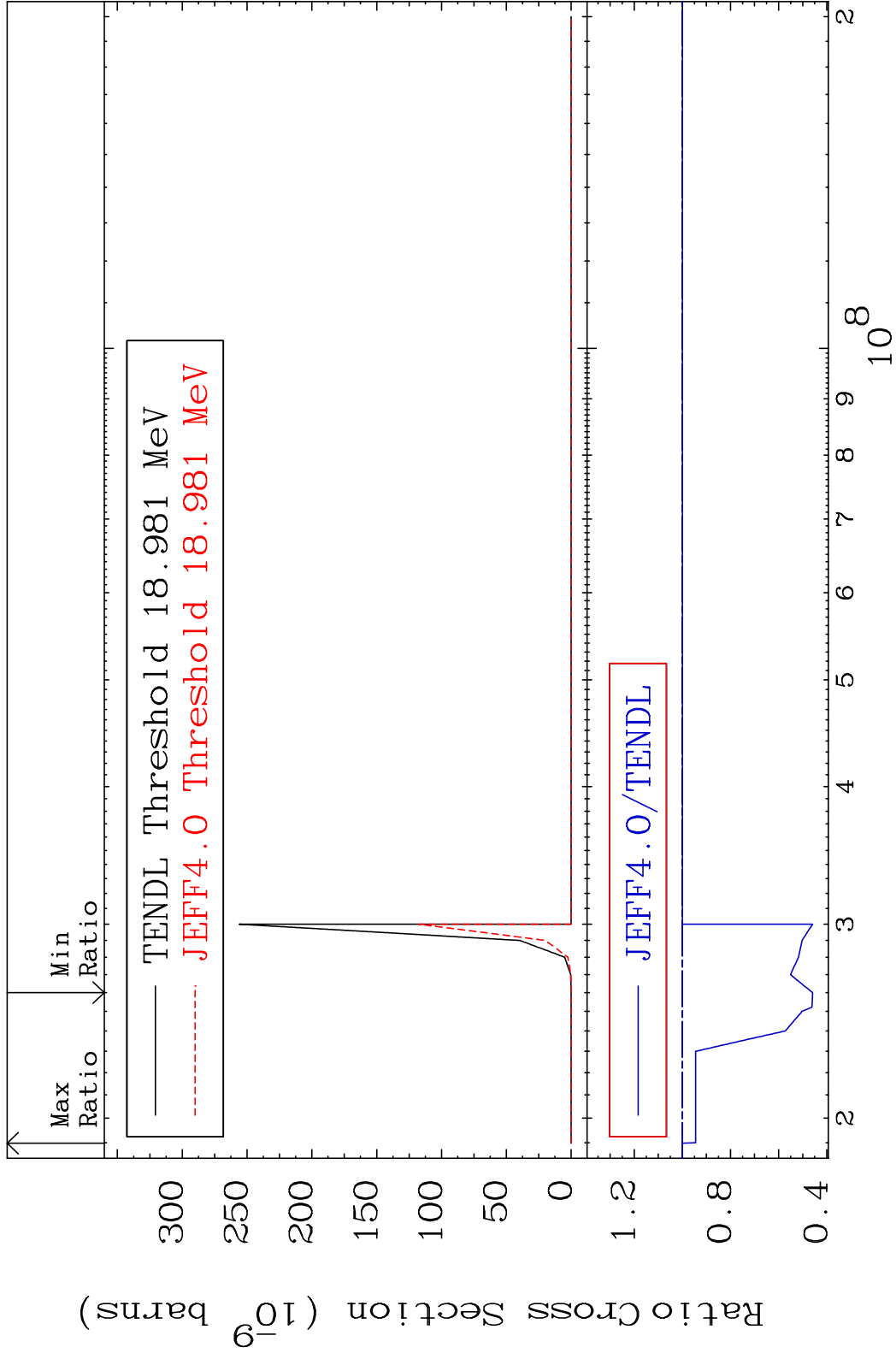




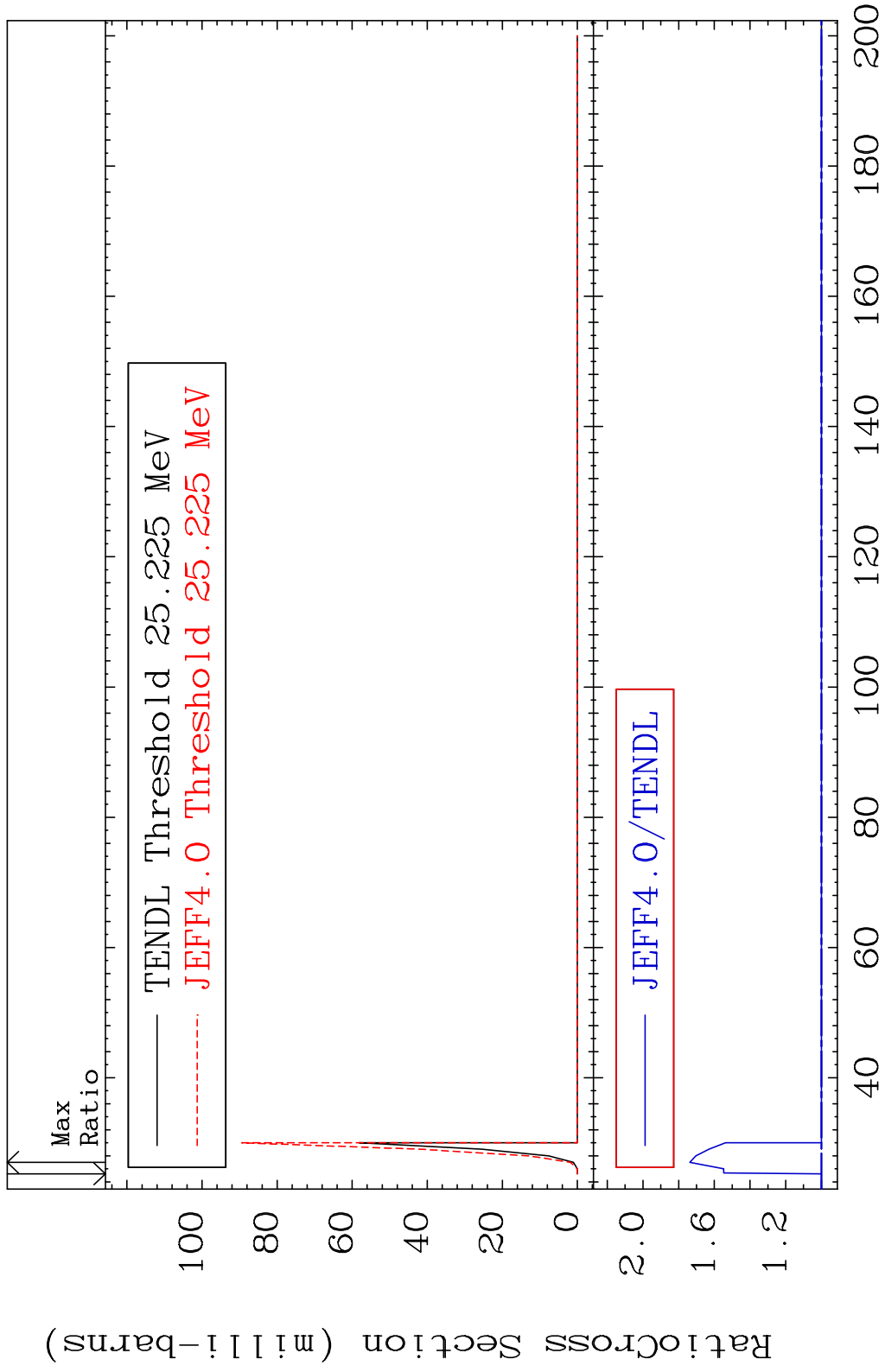






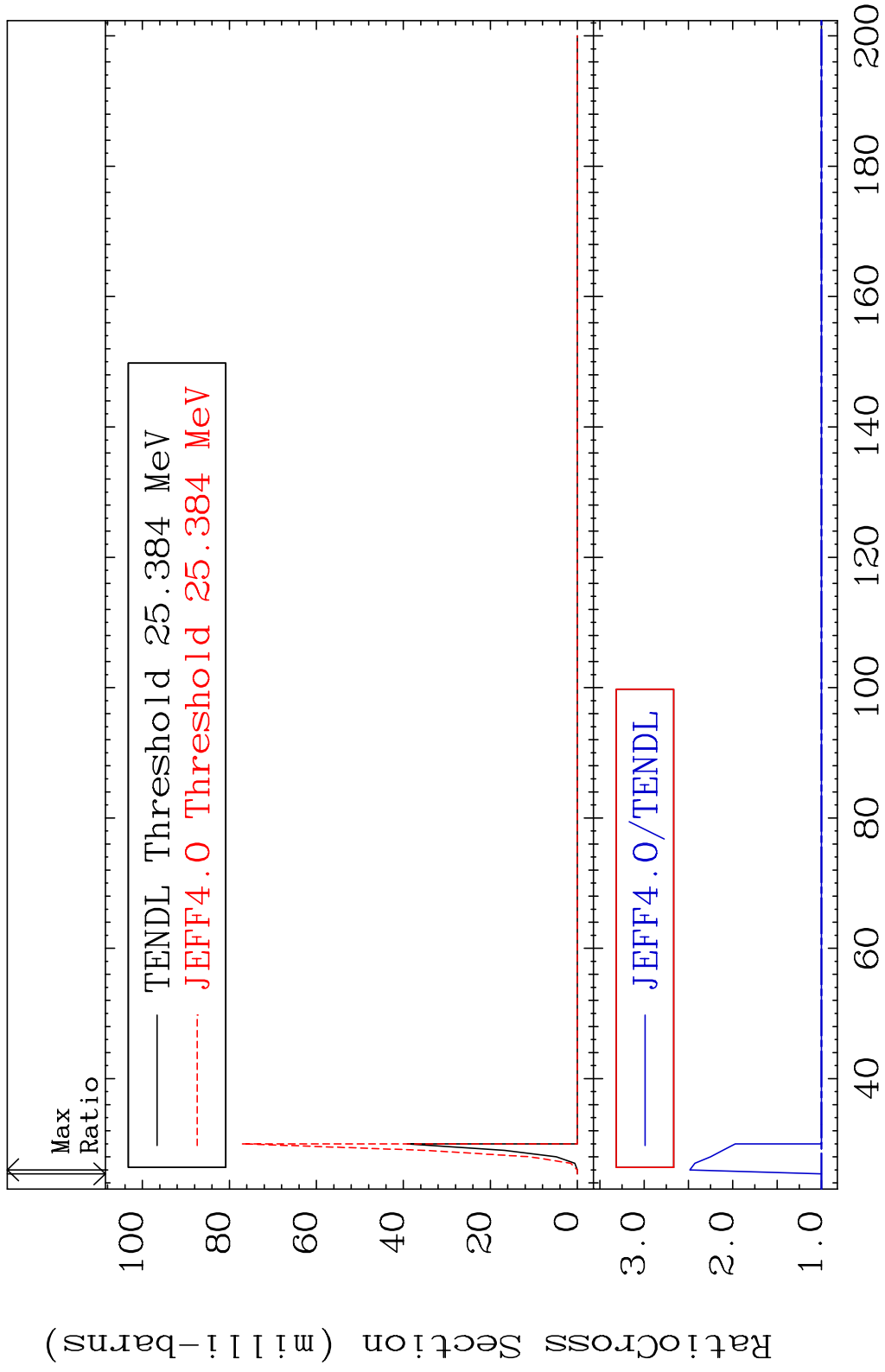


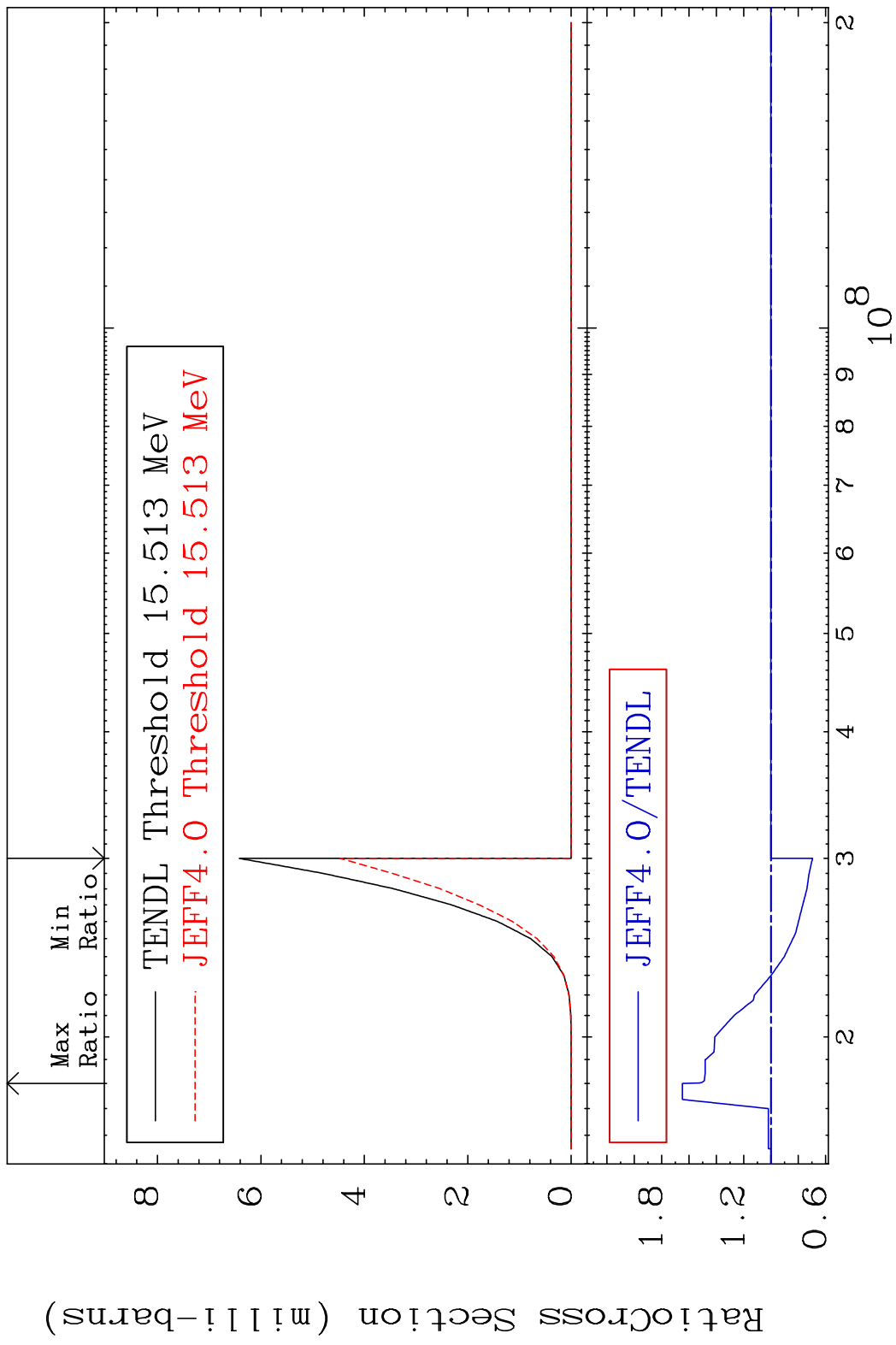
MAT 5131 (n,4n):51-Sb-120g 51-Sb-123
 Radionuclide Production Cross Section 73.76 %

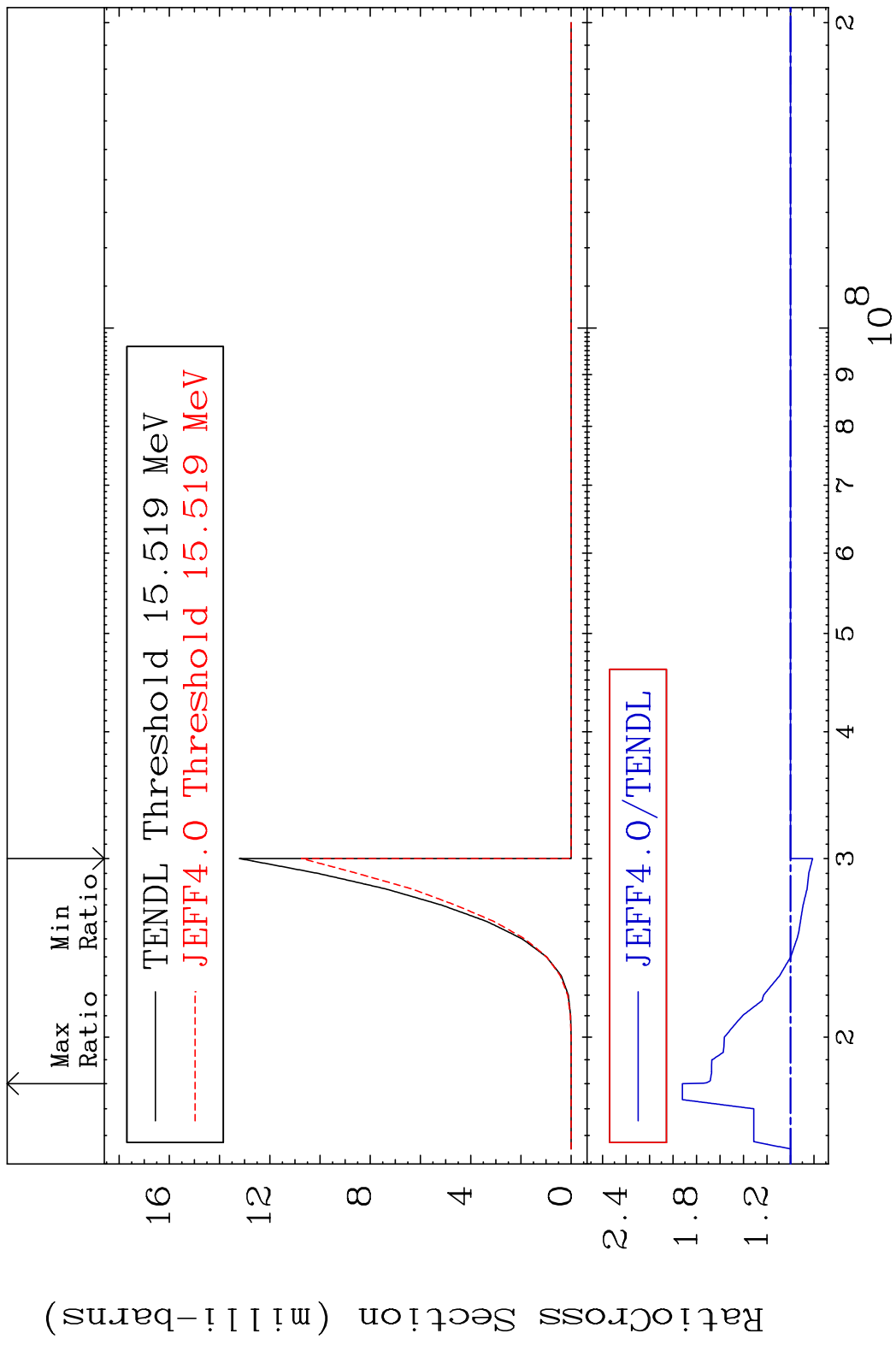


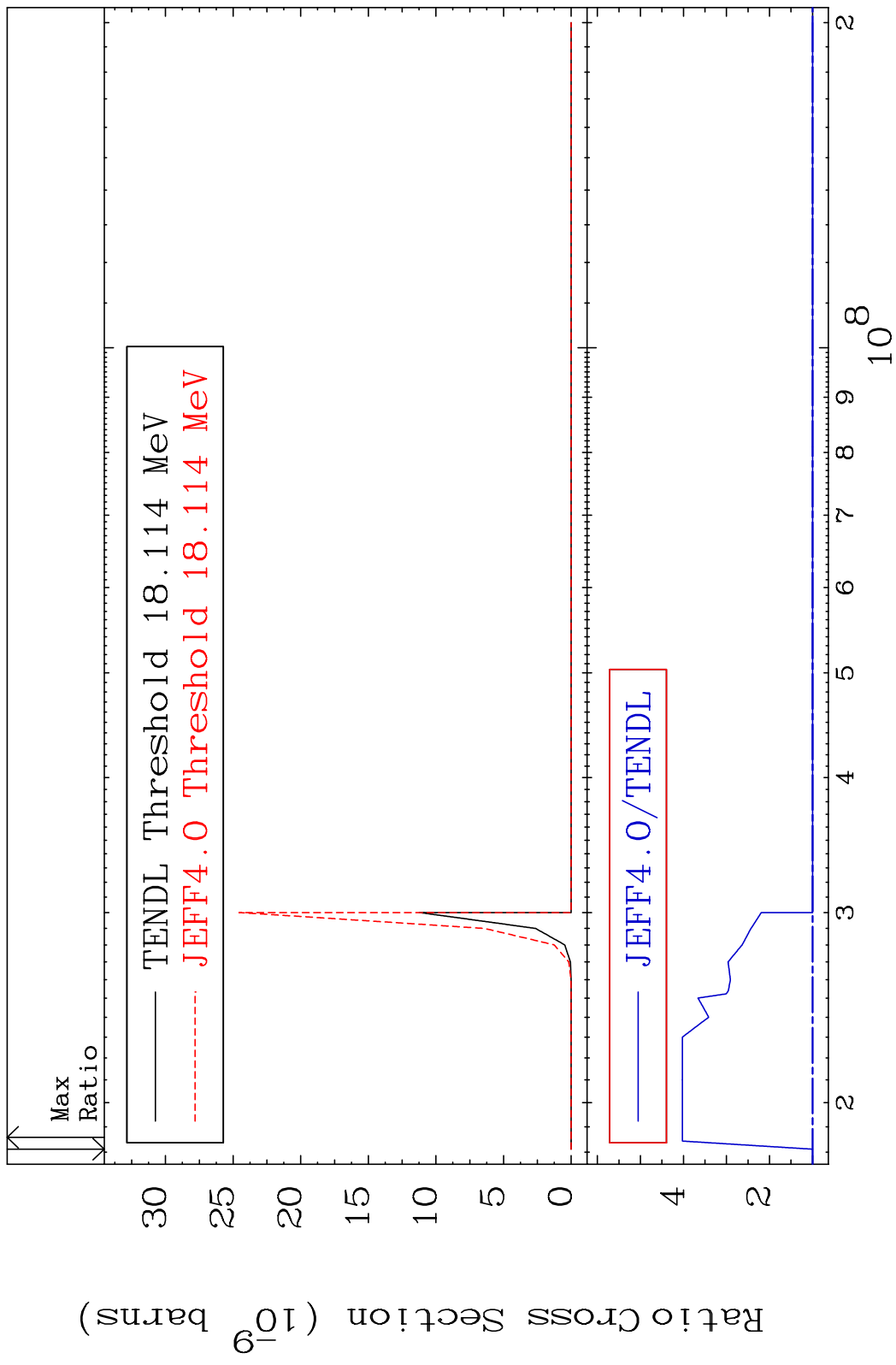
90 Incident Energy (MeV) 51-Sb-123

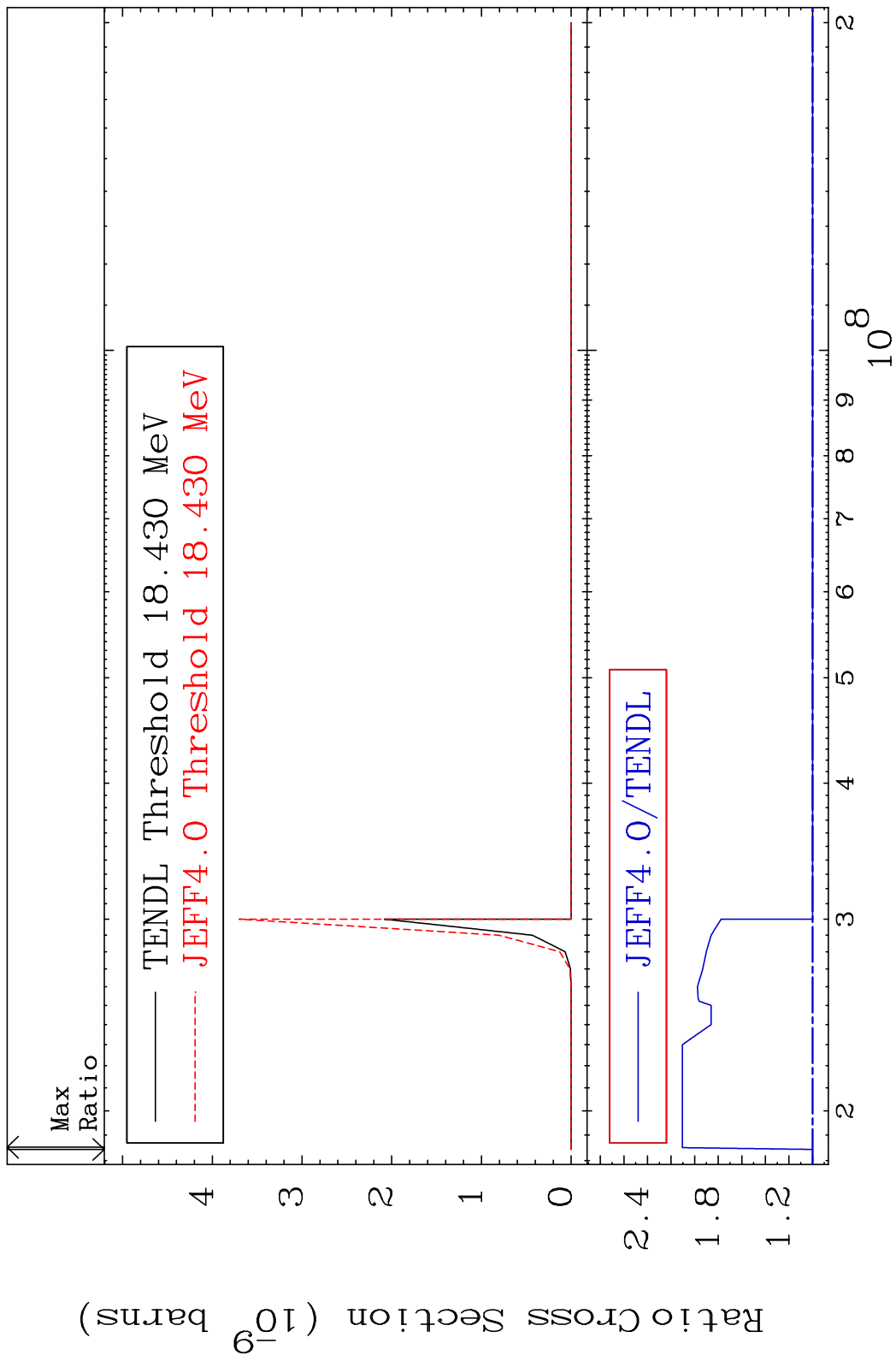
MAT 5131 (n, 4n):51-Sb-120m4 51-Sb-123
 Radionuclide Production Cross Section 148.5 %



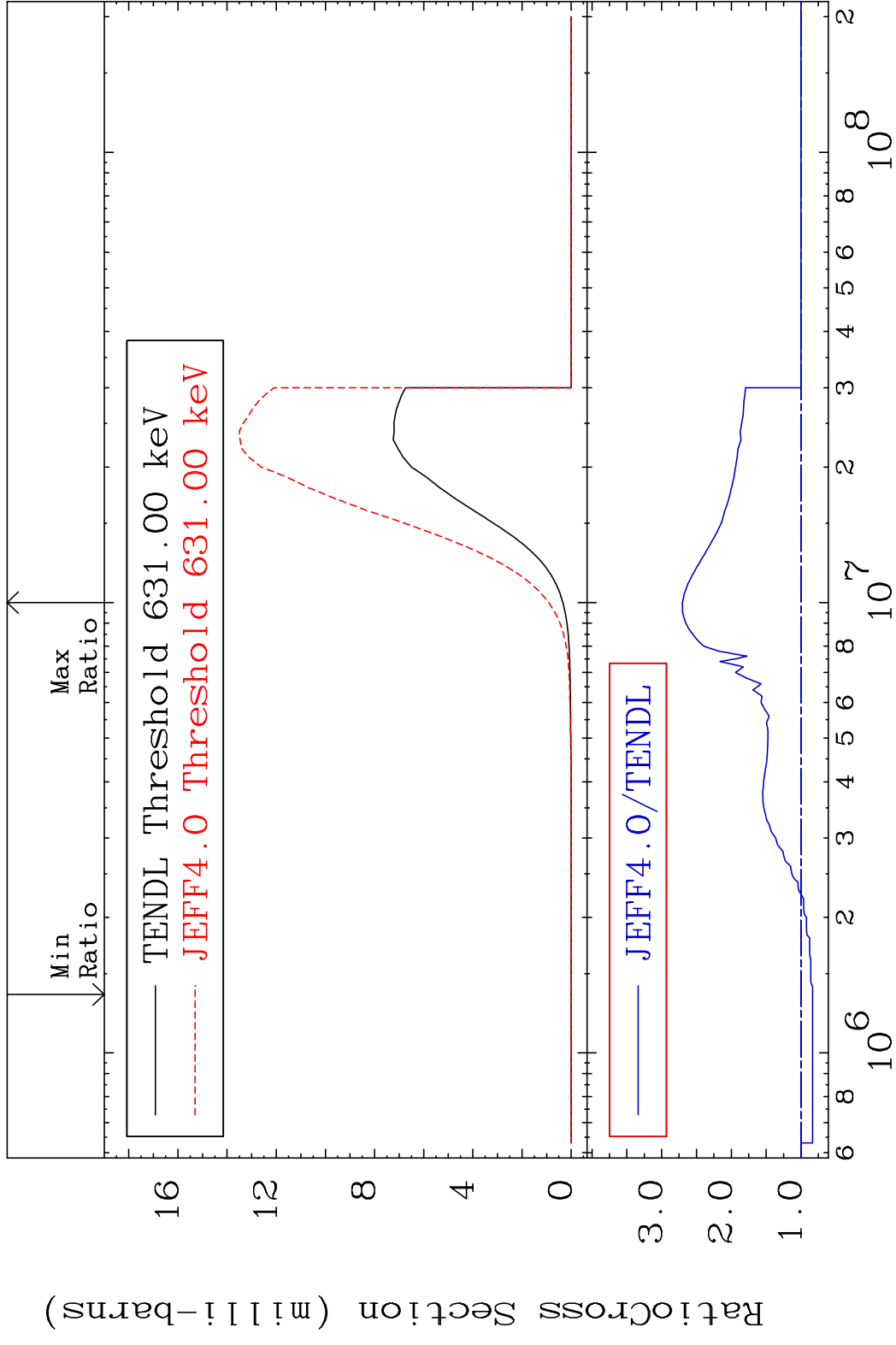




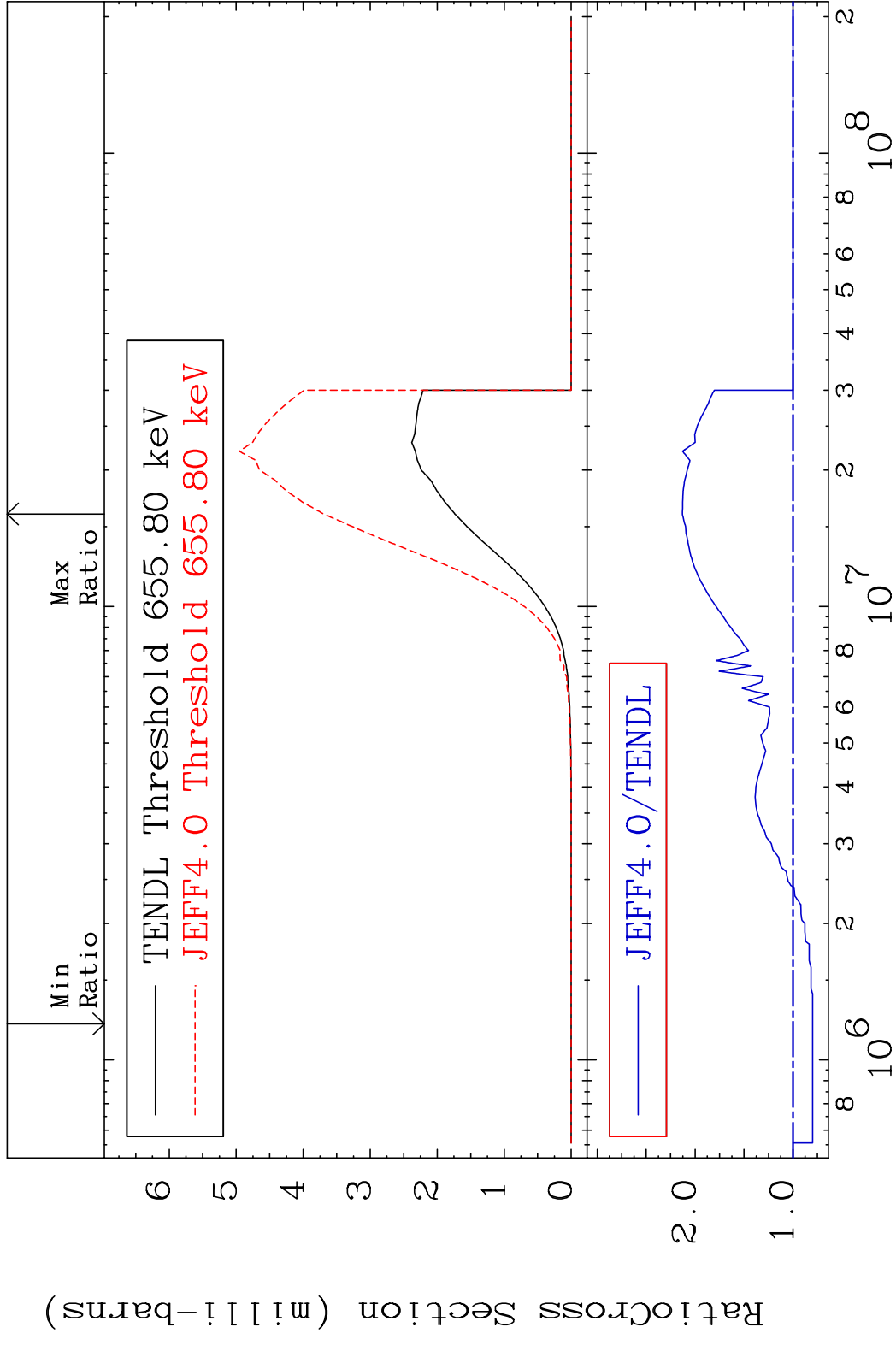


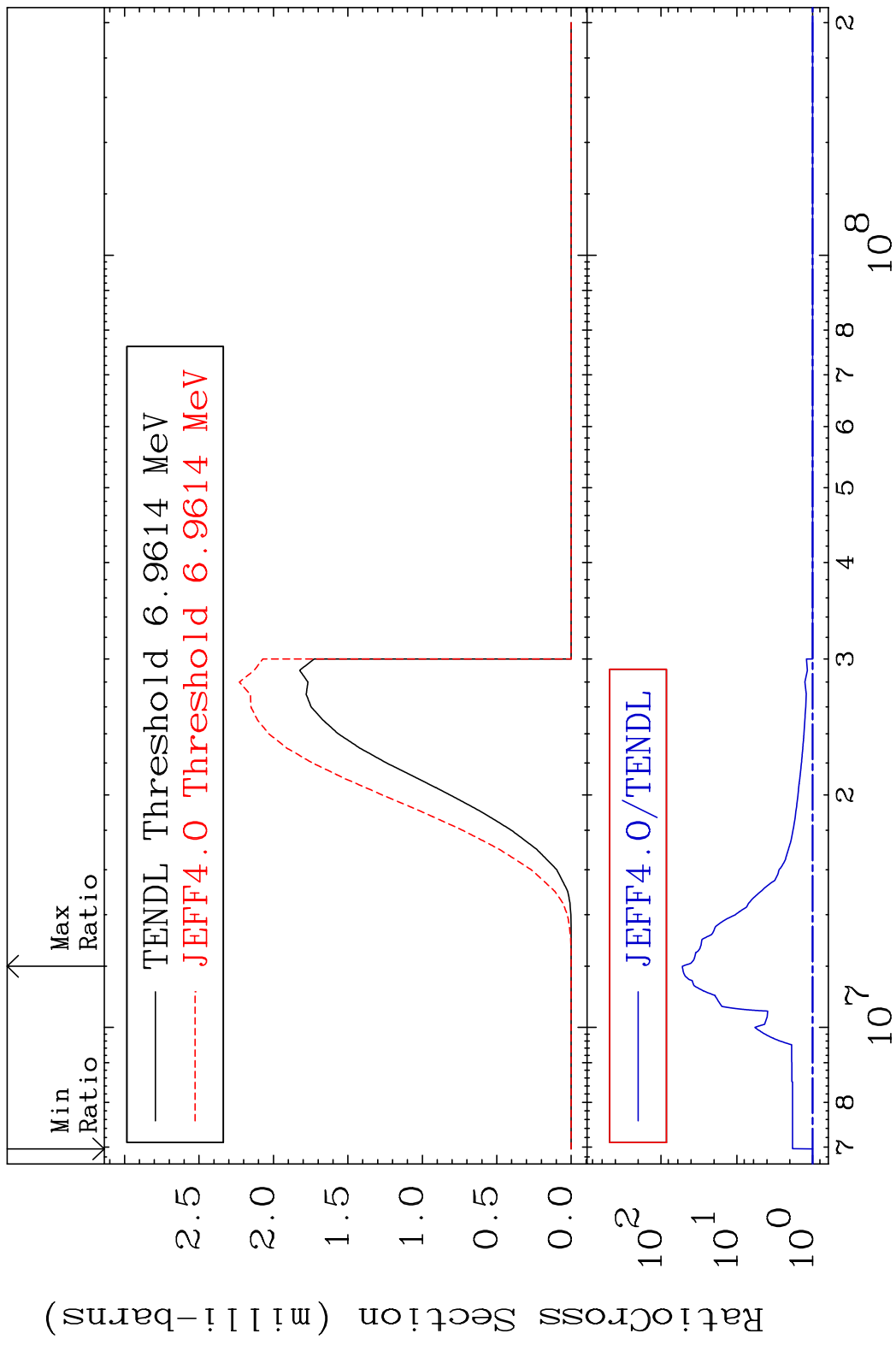


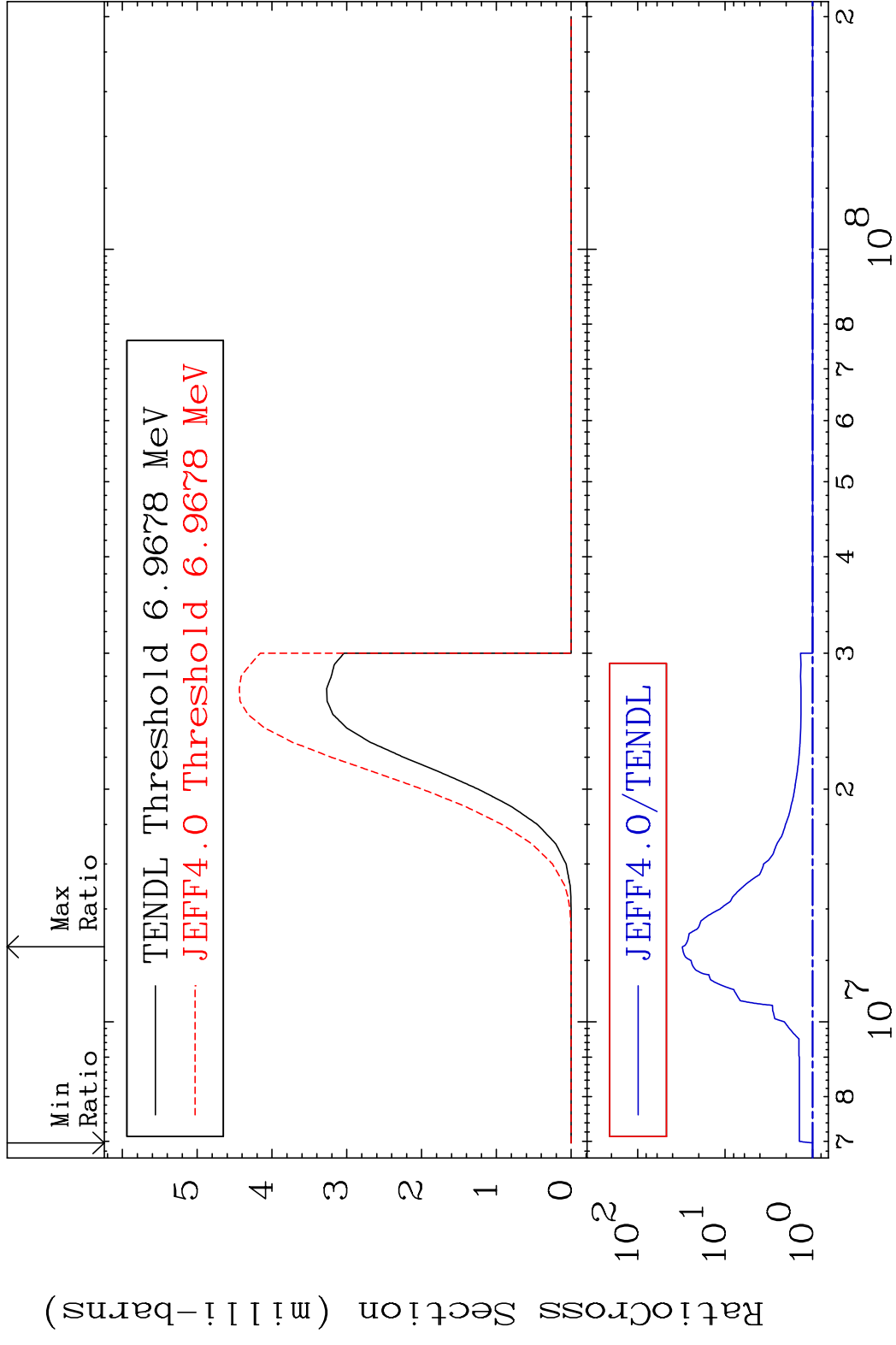
MAT 5131 (n,p):50-Sn-123g 51-Sb-123
 Radionuclide Production Cross Section 186.59 d to 170.3 %



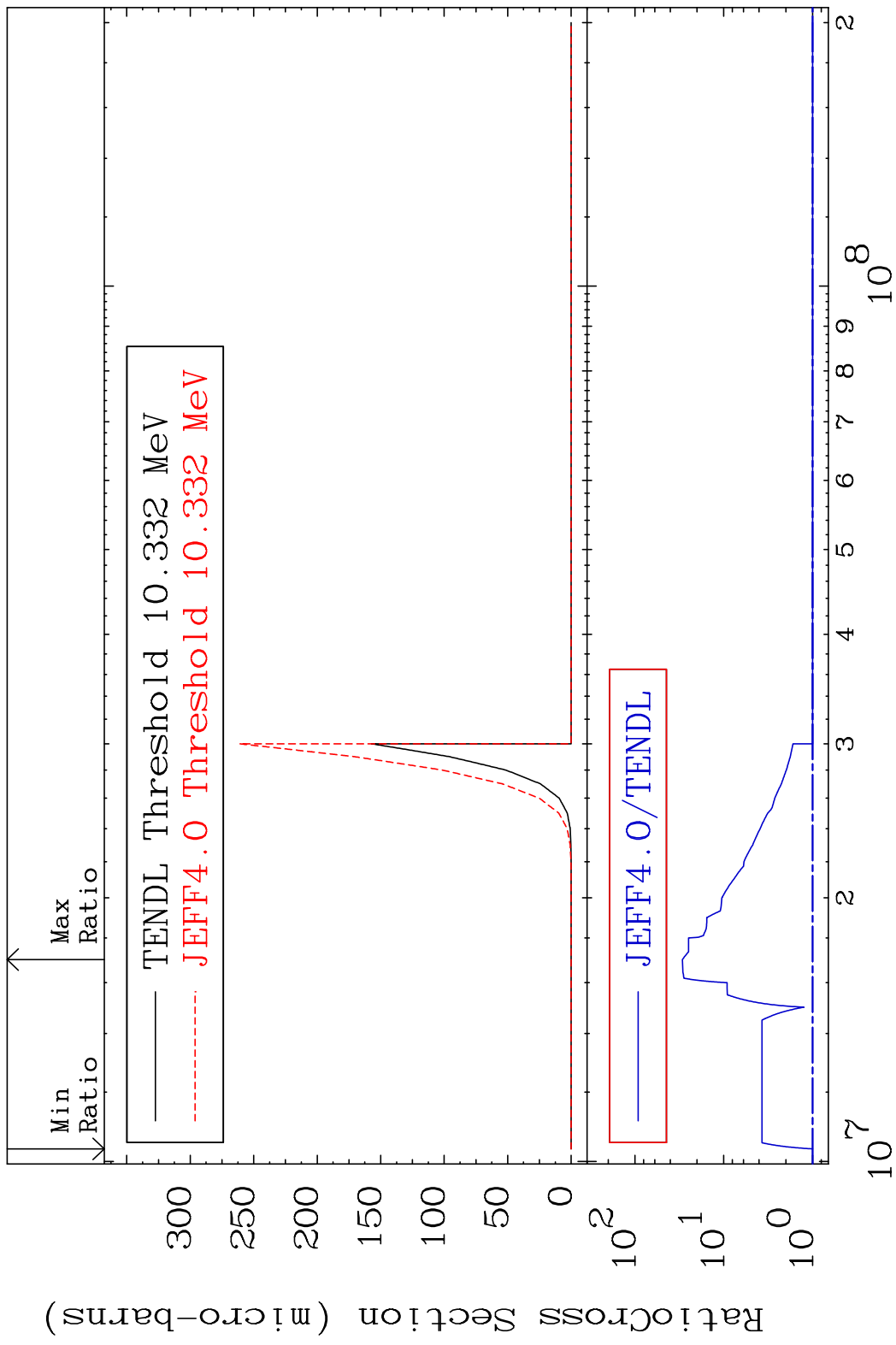
MAT 5131 (n, p):50-Sn-123m1 51-Sb-123
 Radionuclide Production Cross Section 30.65 d10 113.0 %



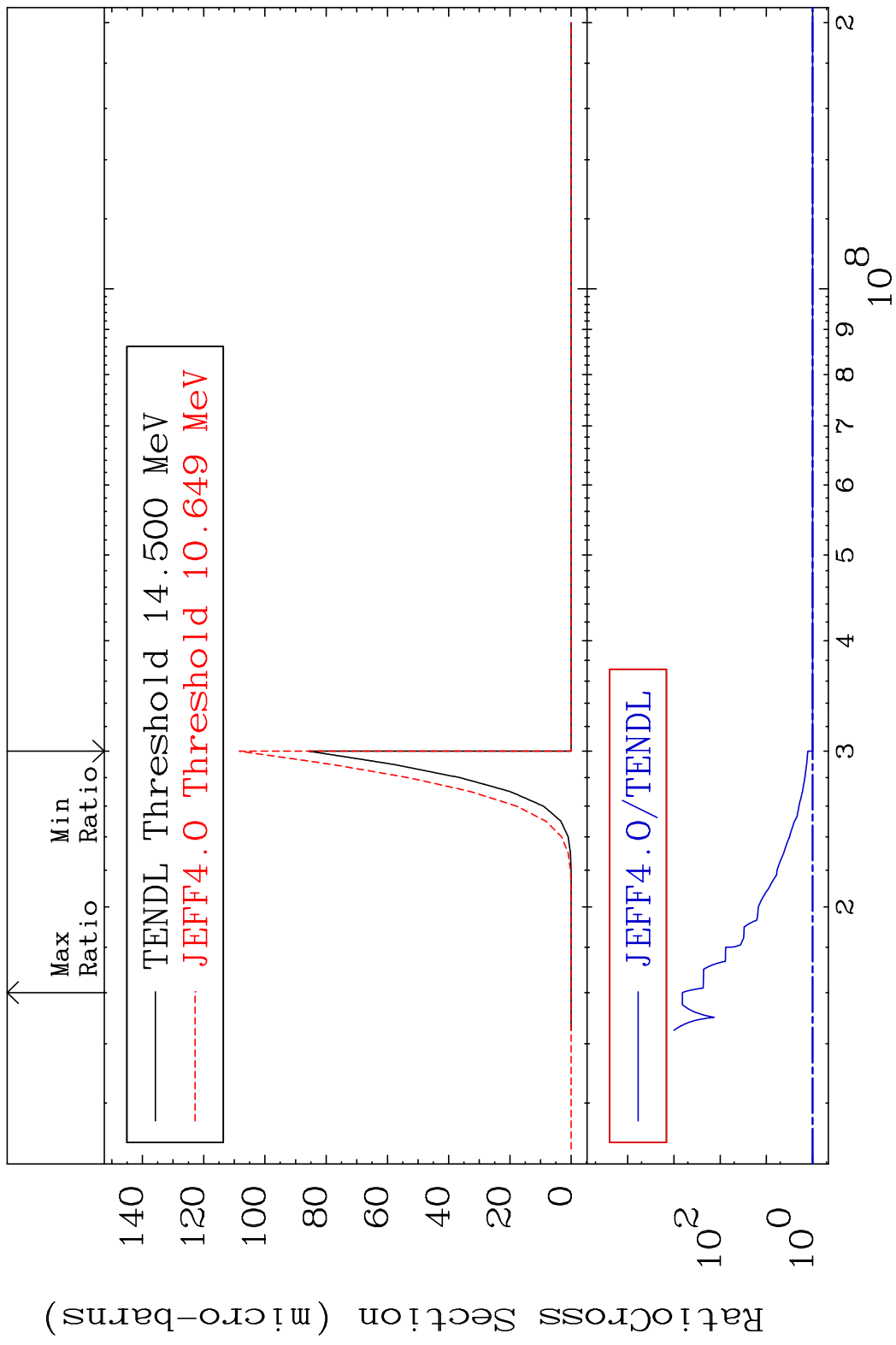




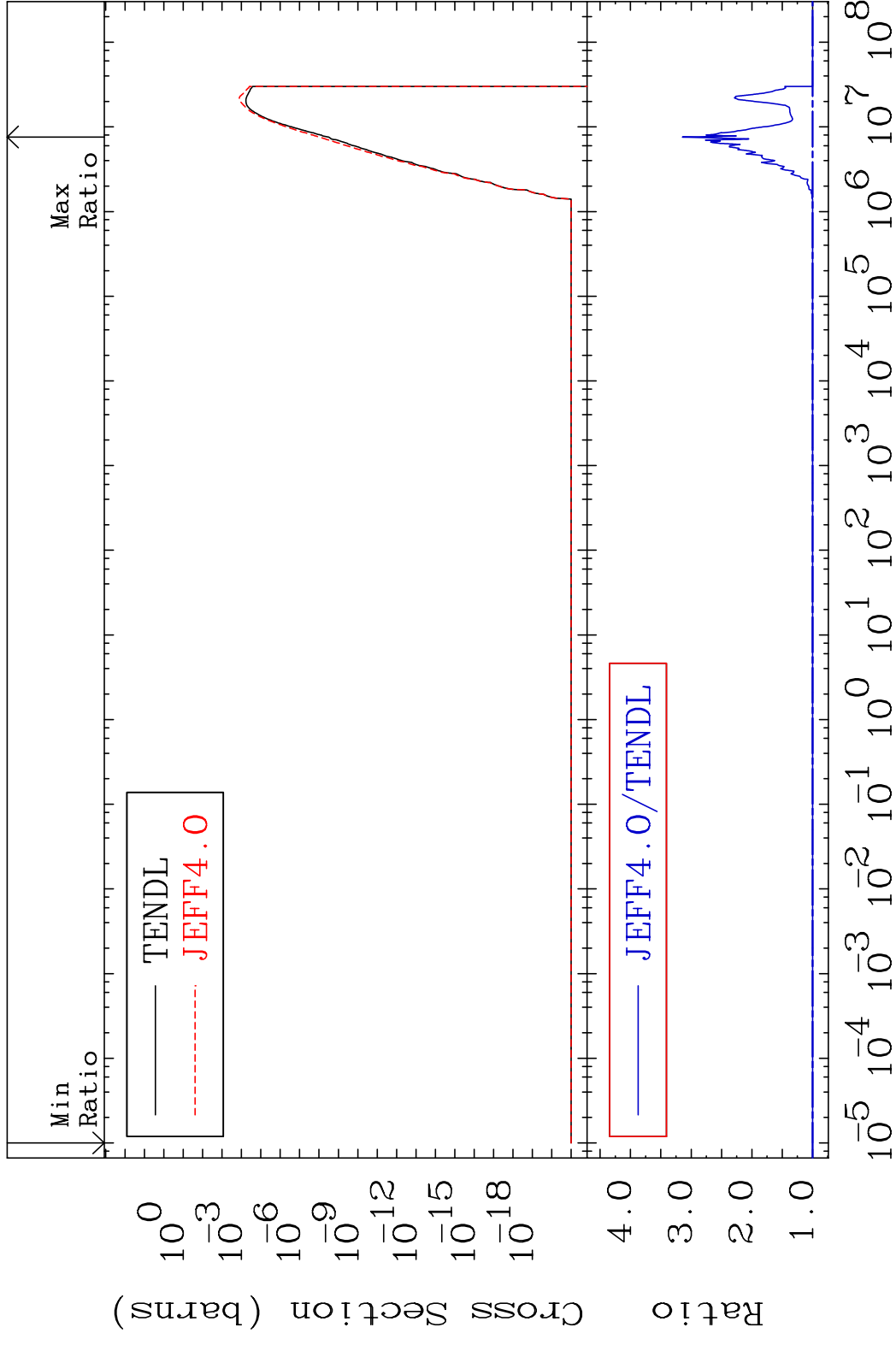
MAT 5131 (n, He-3):49-In-121g 51-Sb-123
 Radionuclide Production Cross Section 2828. %



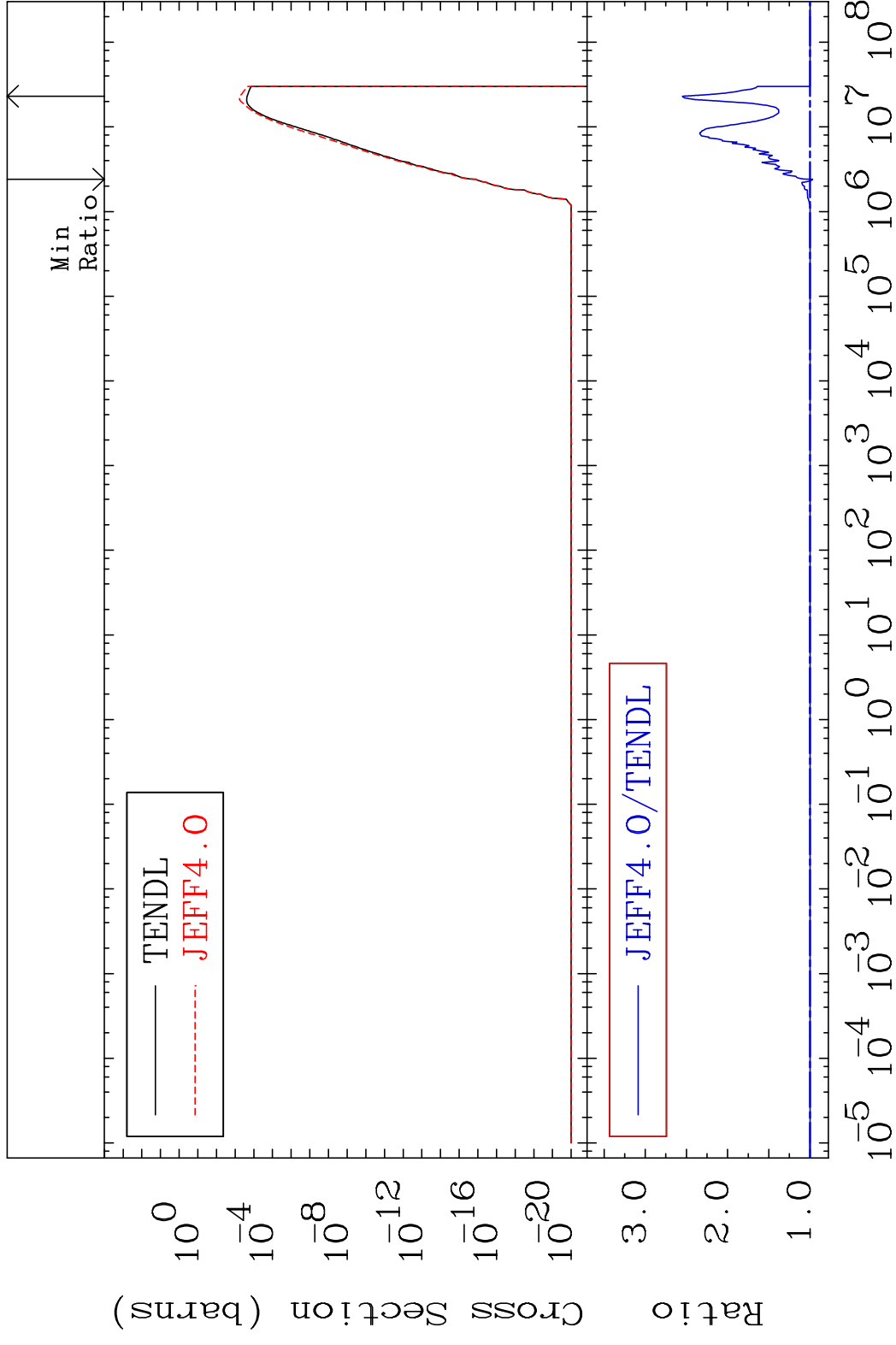
100 Incident Energy (eV) 51-Sb-123



MAT 5131 (n, α): 49-In-120g 51-Sb-123
 Radionuclide Production Cross Section 214.5 %



MAT 5131 (n, α): 49-In-120m1 51-Sb-123
 Radionuclide Production Cross Section 155.0 %



103 Incident Energy (eV) 51-Sb-123

MAT 5131 (n, α): 49-In-120m2 51-Sb-123
 Radionuclide Production Cross Section 18.46 %

