

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

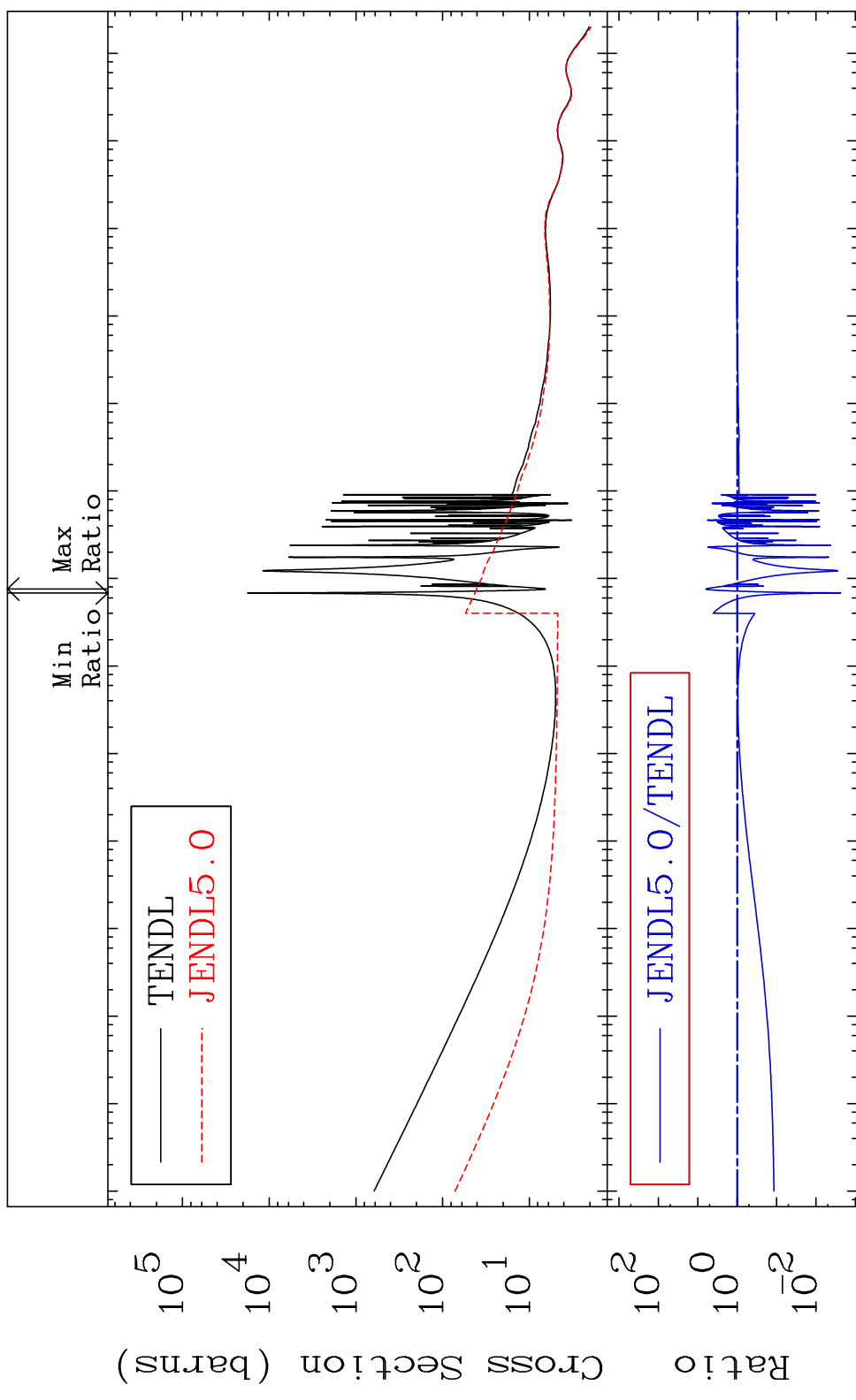
MAT 5137

Total

51-Sb-125

Cross Section

-99.76 To 526.4 %



1

Incident Energy (eV)

51-Sb-125

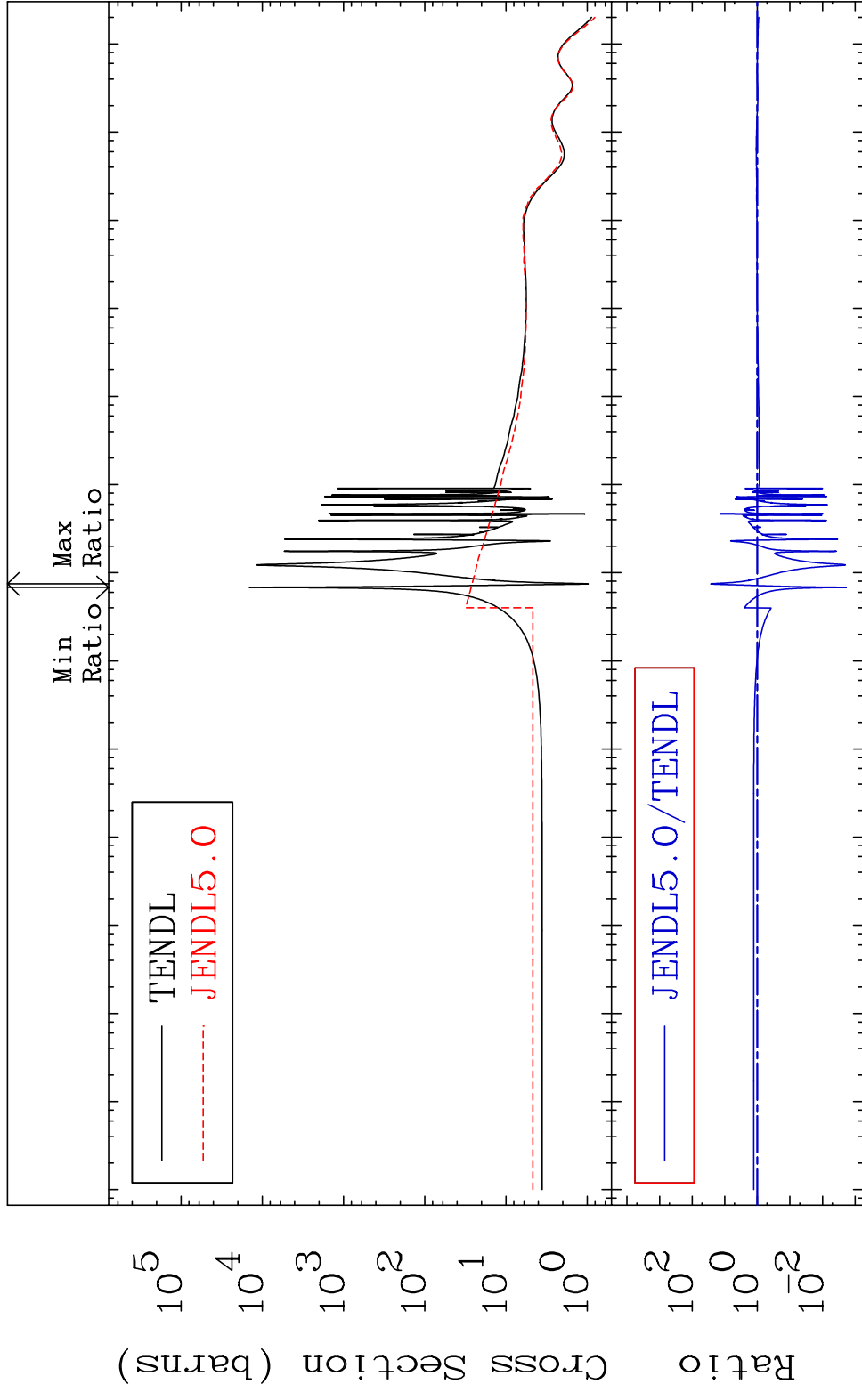
MAT 5137

Elastic

51-Sb-125

Cross Section

-99.81 To 2597. %

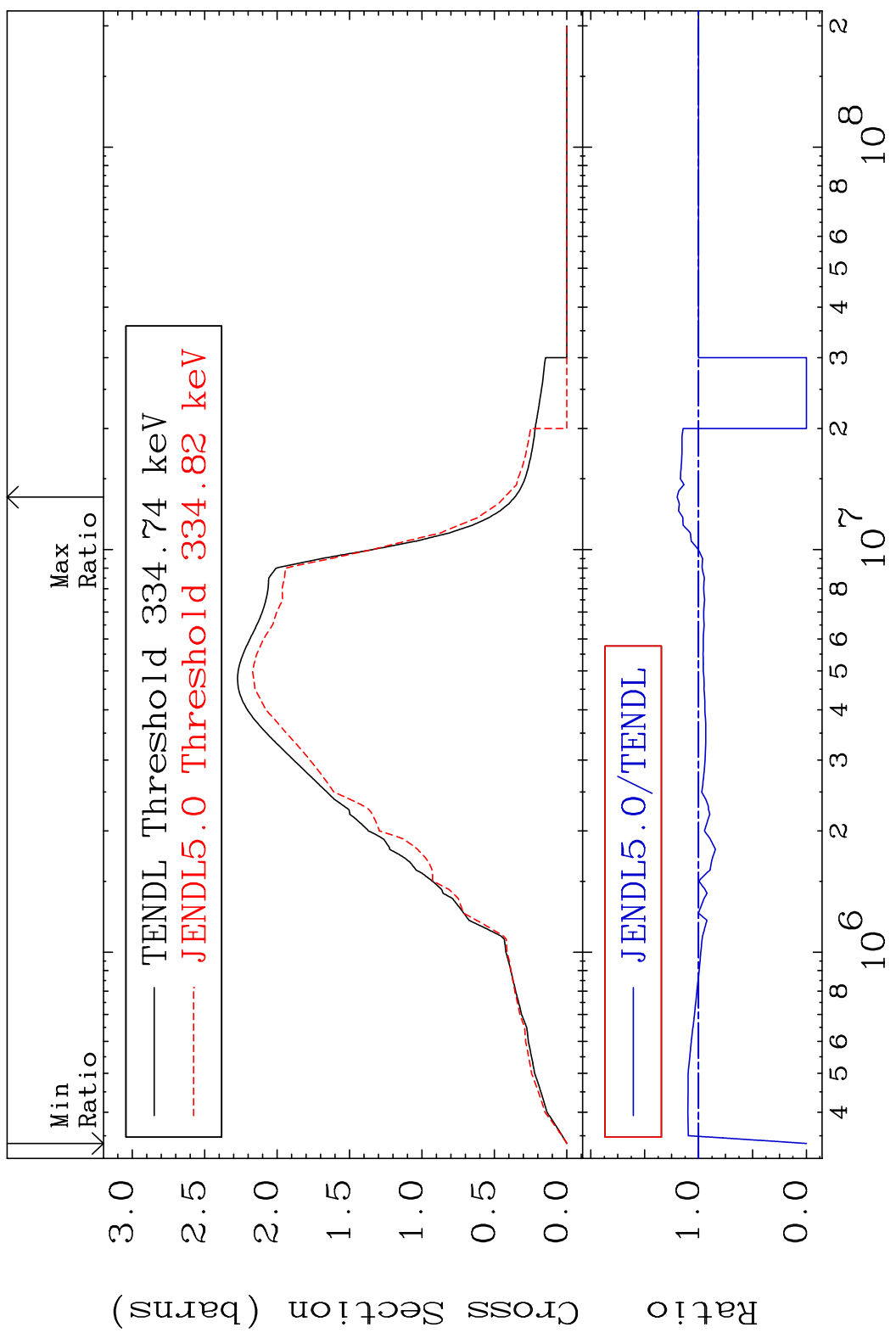


MAT 5137

Inelastic

51-Sb-125

Cross Section -100.0 To 19.85 %



3

Incident Energy (eV)

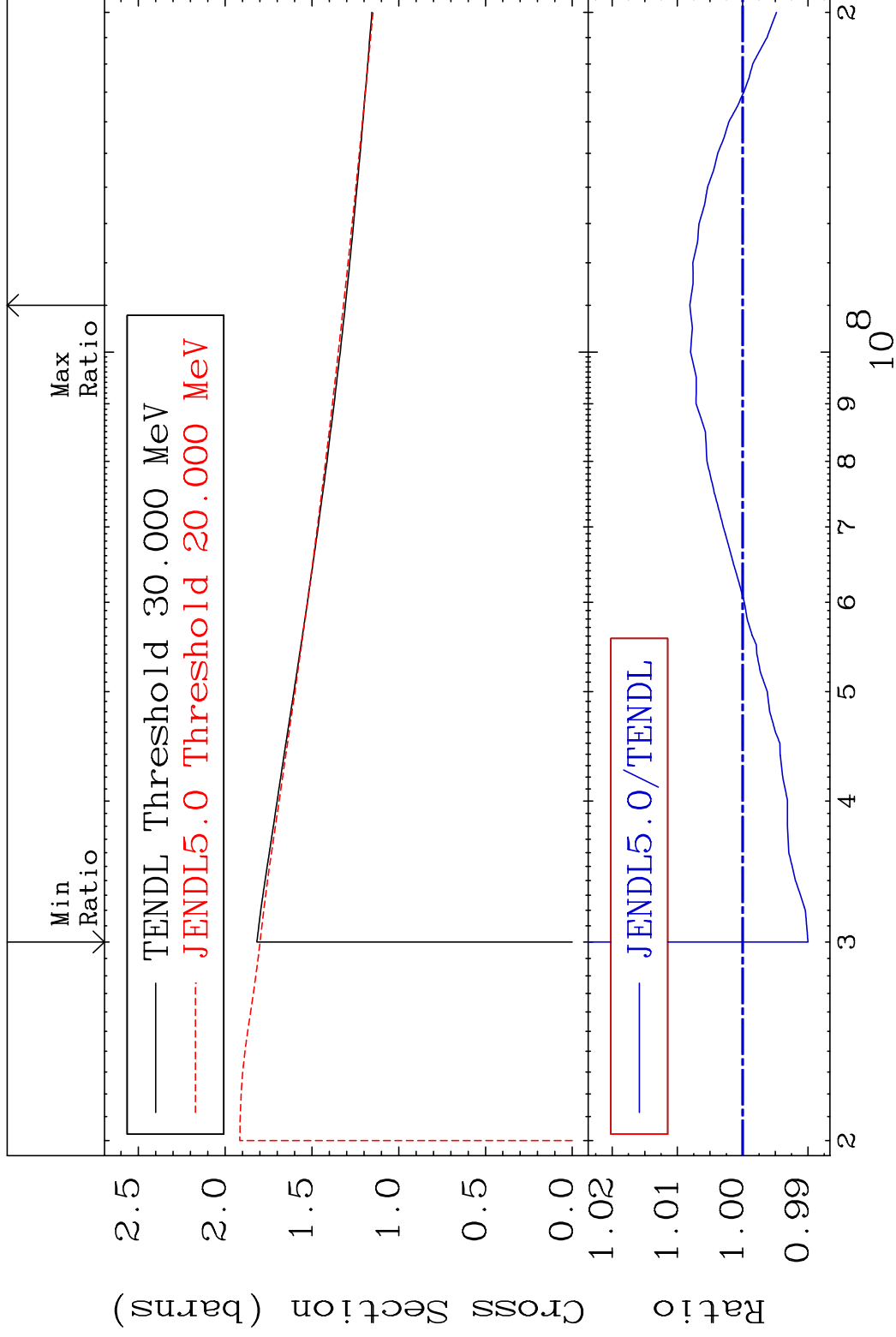
51-Sb-125

MAT 5137

(n, remainder)

51-Sb-125

Cross Section -1.000 To 0.810 %



4

Incident Energy (eV)

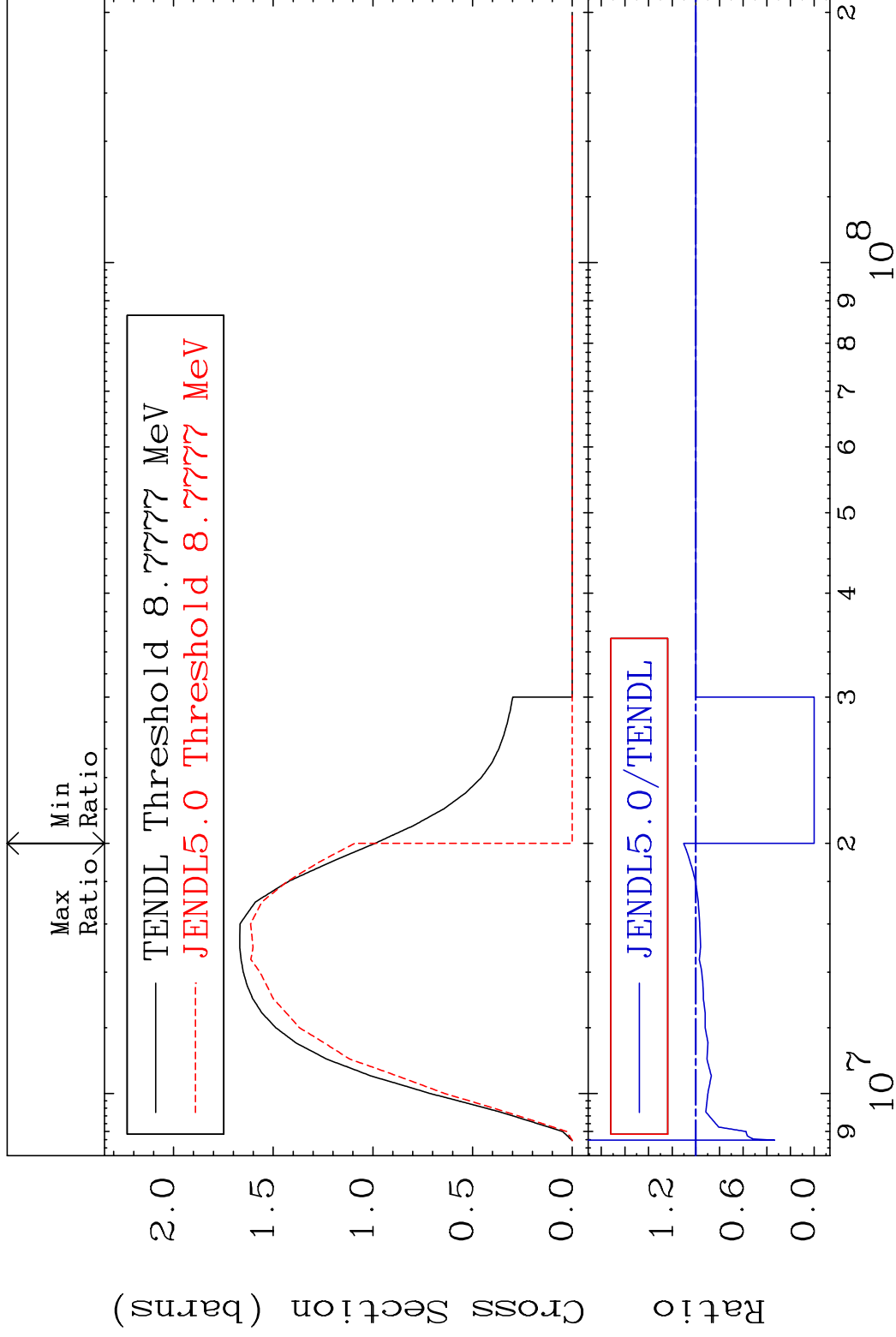
51-Sb-125

MAT 5137

(n,2n)

51-Sb-125

Cross Section -100.0 To 10.30 %



5

Incident Energy (eV)

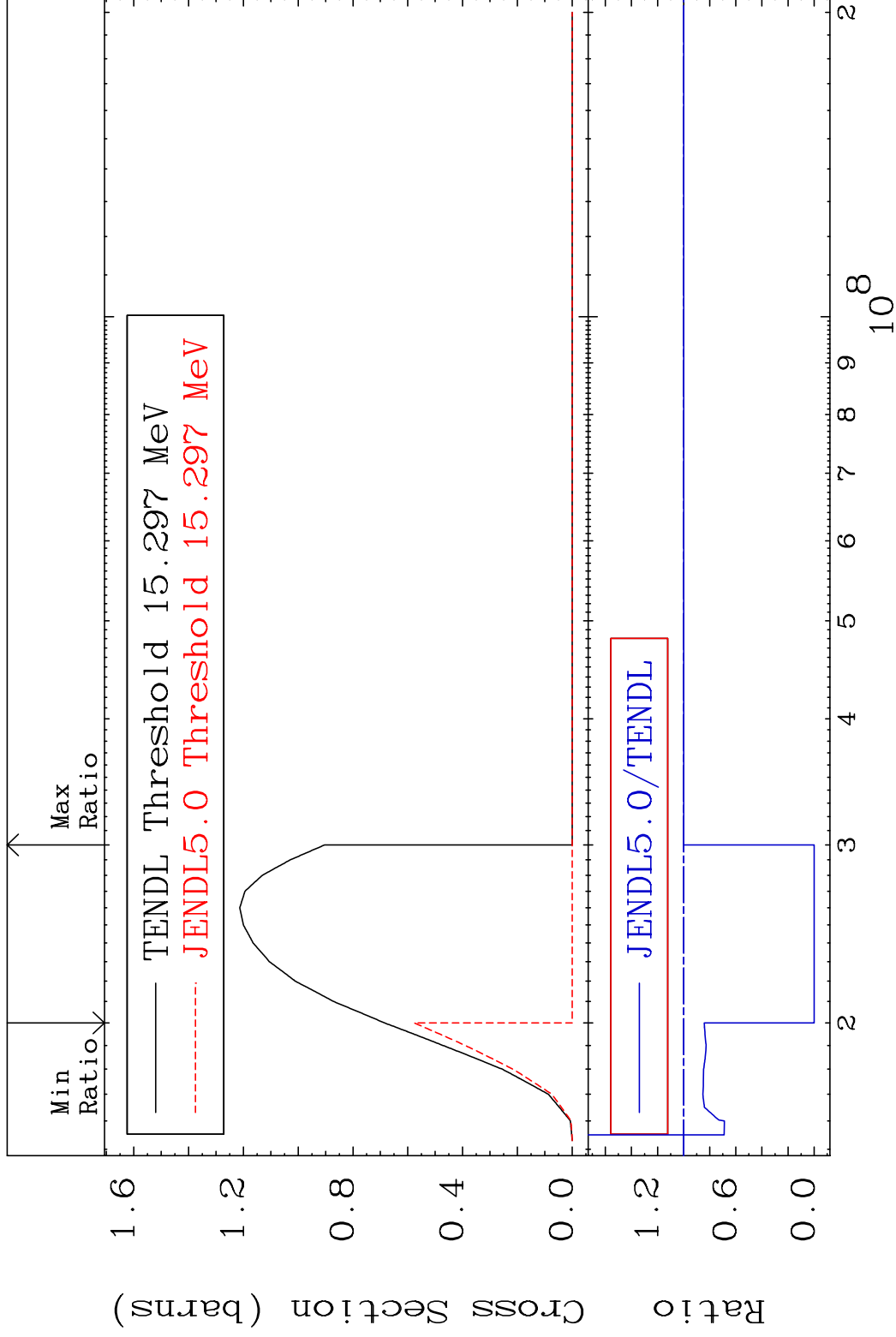
51-Sb-125

MAT 5137

(n,3n)

51-Sb-125

Cross Section -100.0 To 0.000 %

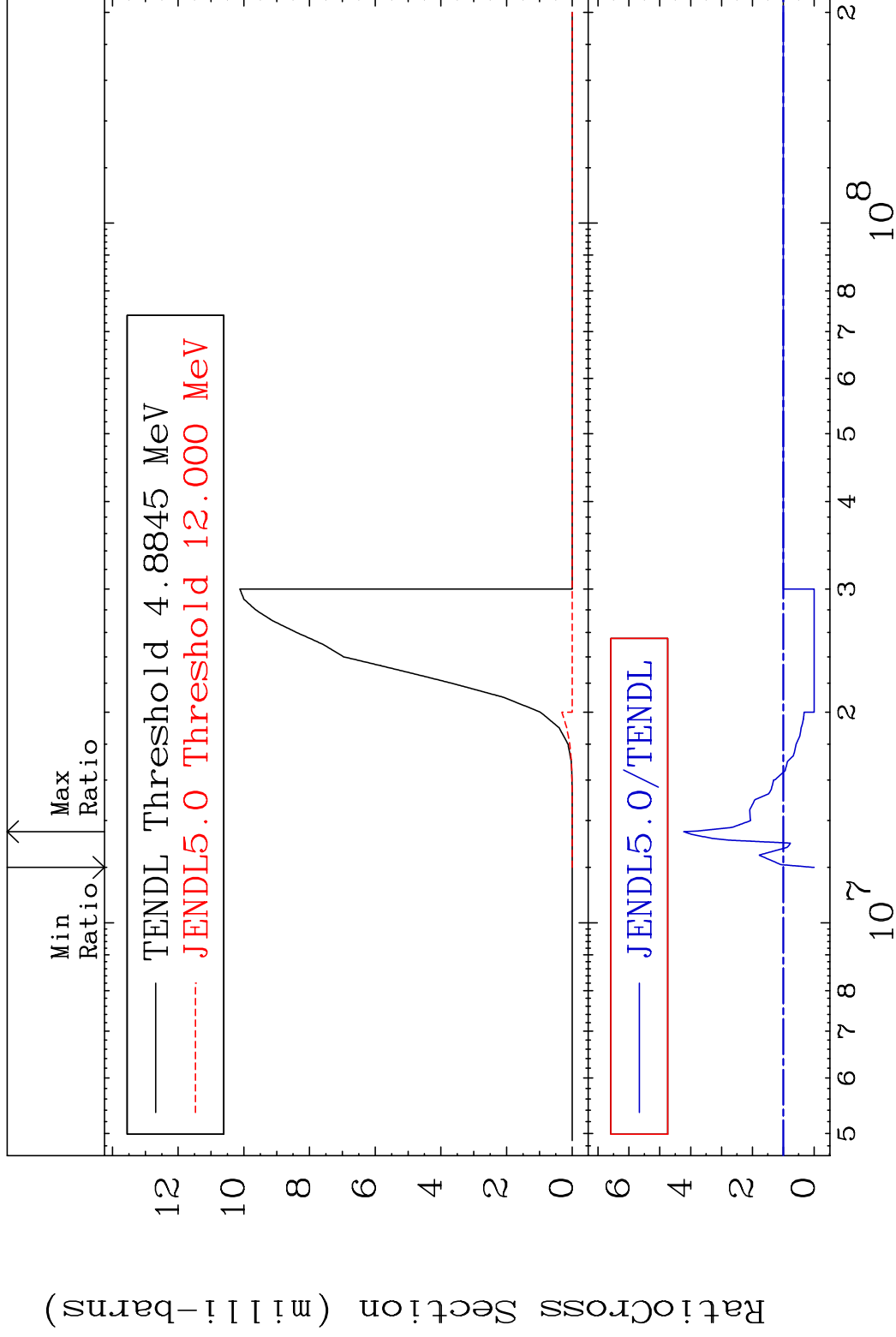


MAT 5137

(n, n') α

51-Sb-125

Cross Section -100.0 To 322.7 %

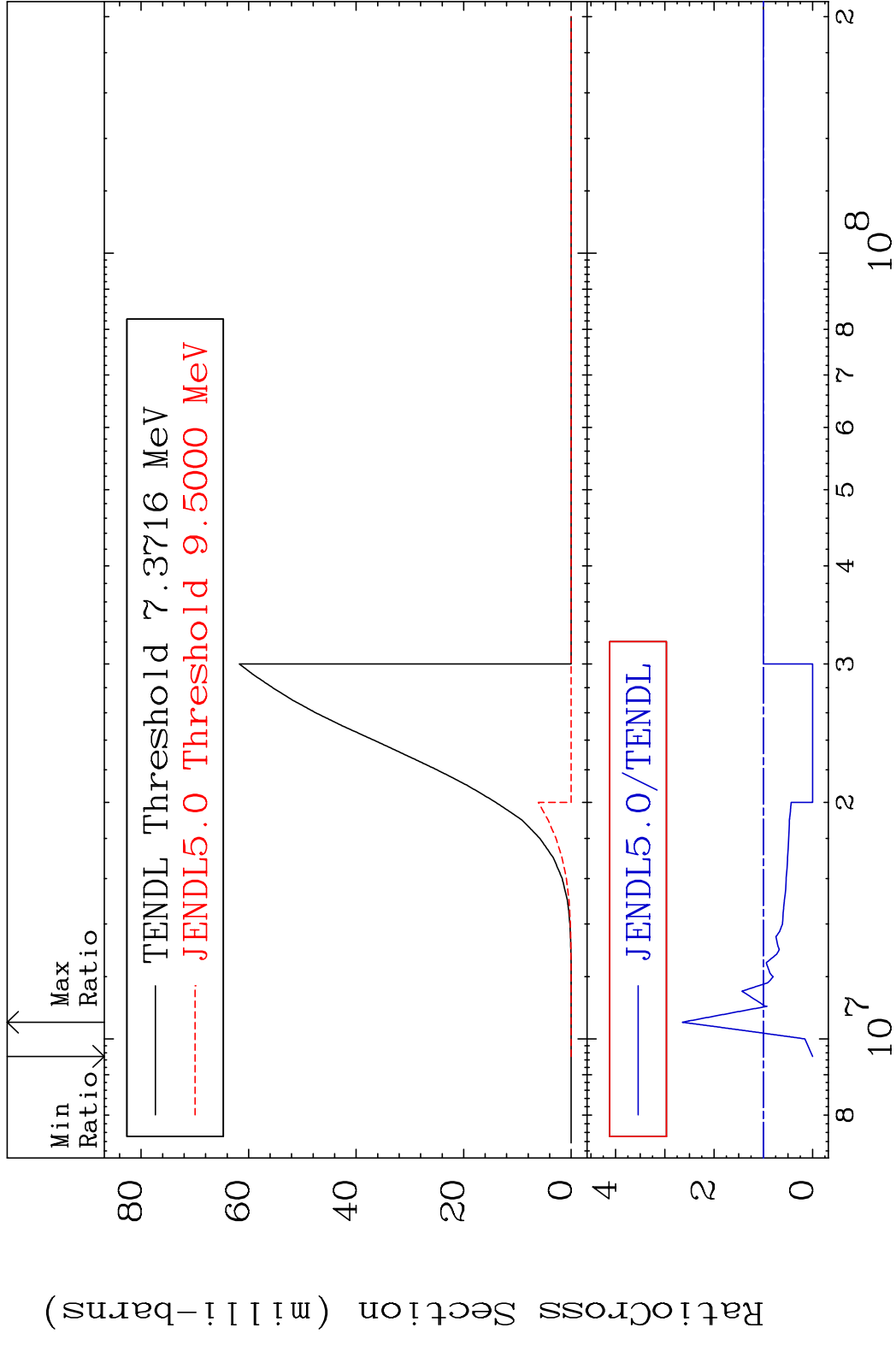


7

Incident Energy (eV)

51-Sb-125

MAT 5137 (n, n') p 51-Sb-125
 Cross Section -100.0 To 164.3 %



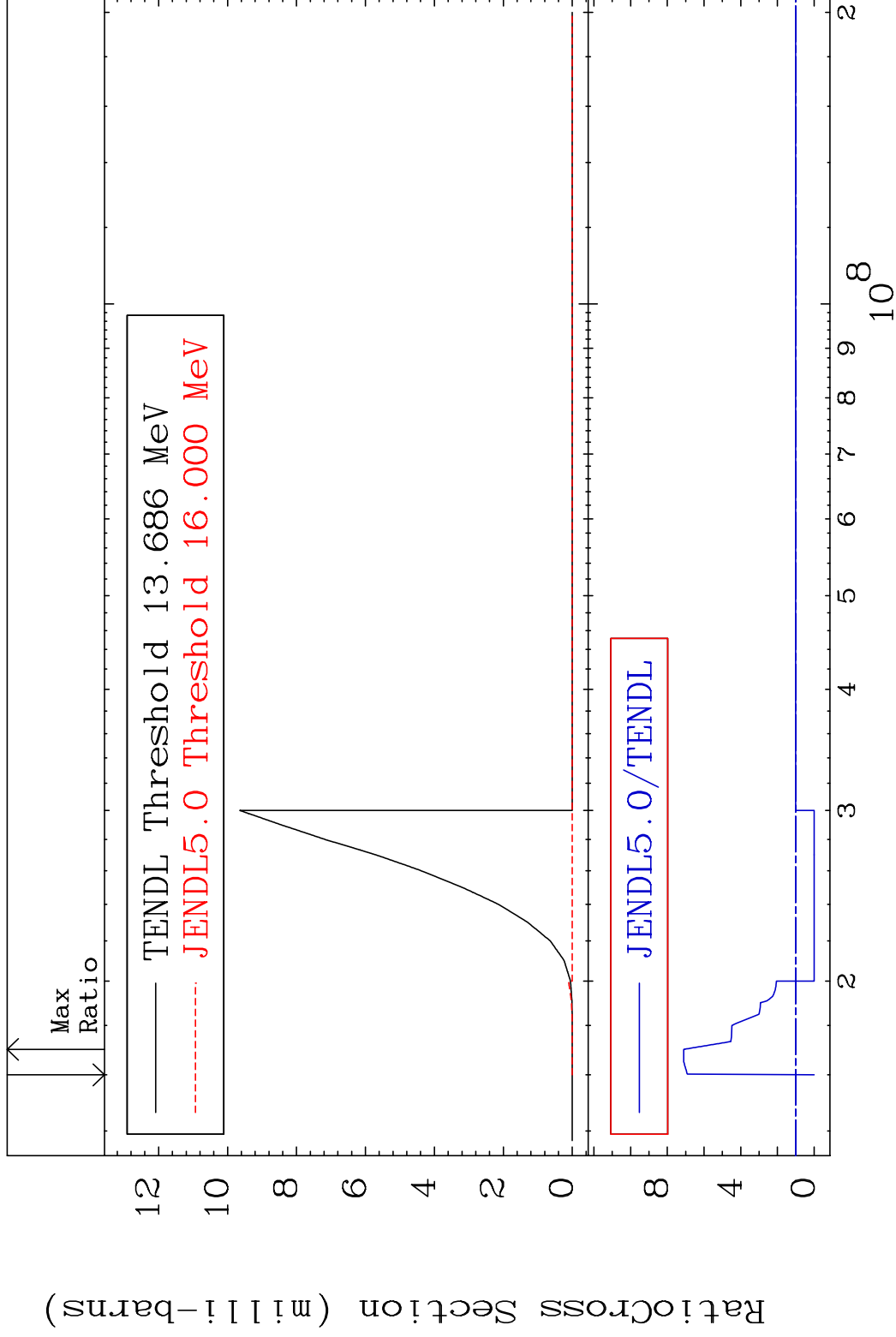
8 Incident Energy (eV) 51-Sb-125

MAT 5137

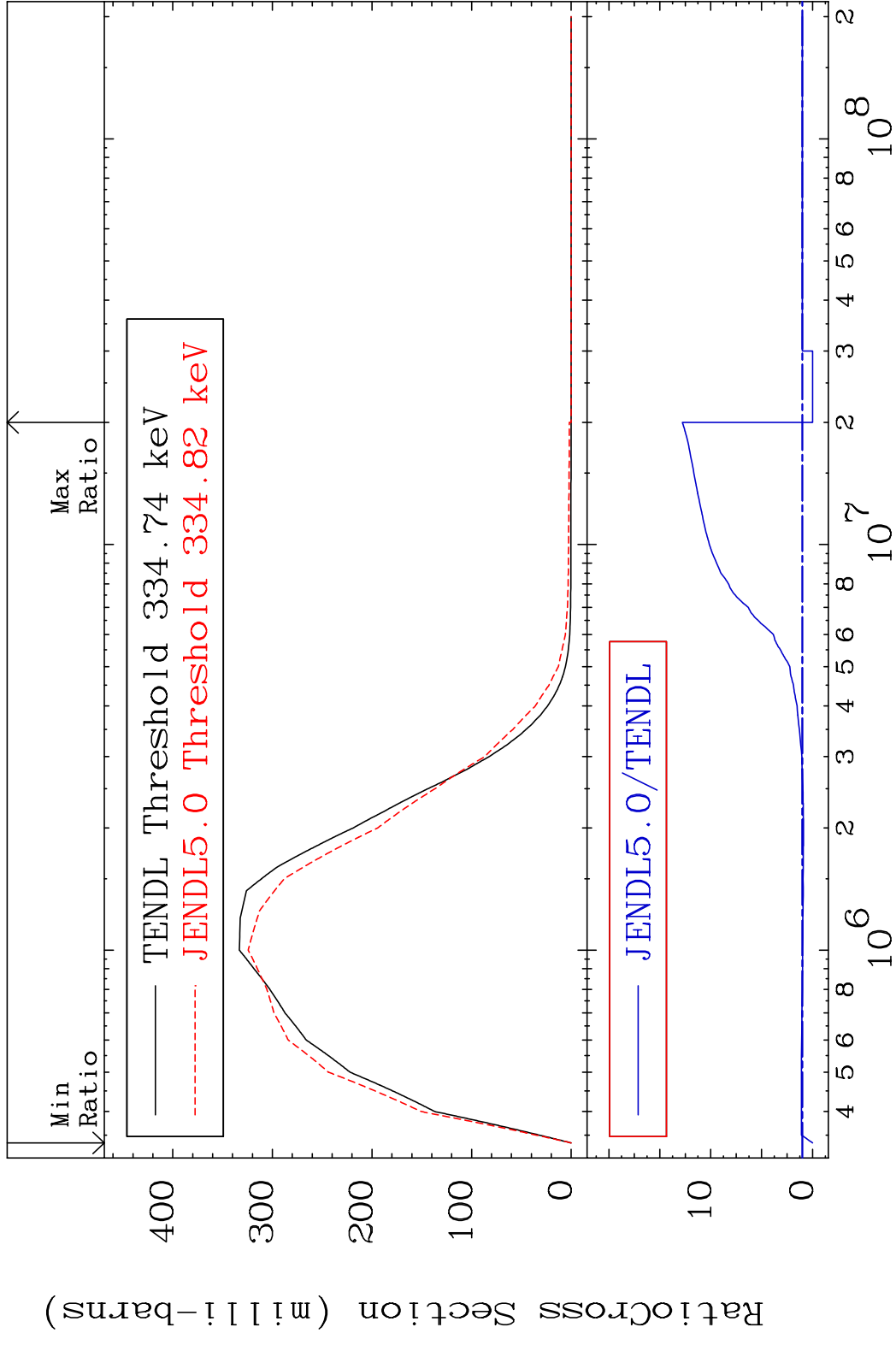
(n, n') d

51-Sb-125

Cross Section -100.0 To 611.0 %

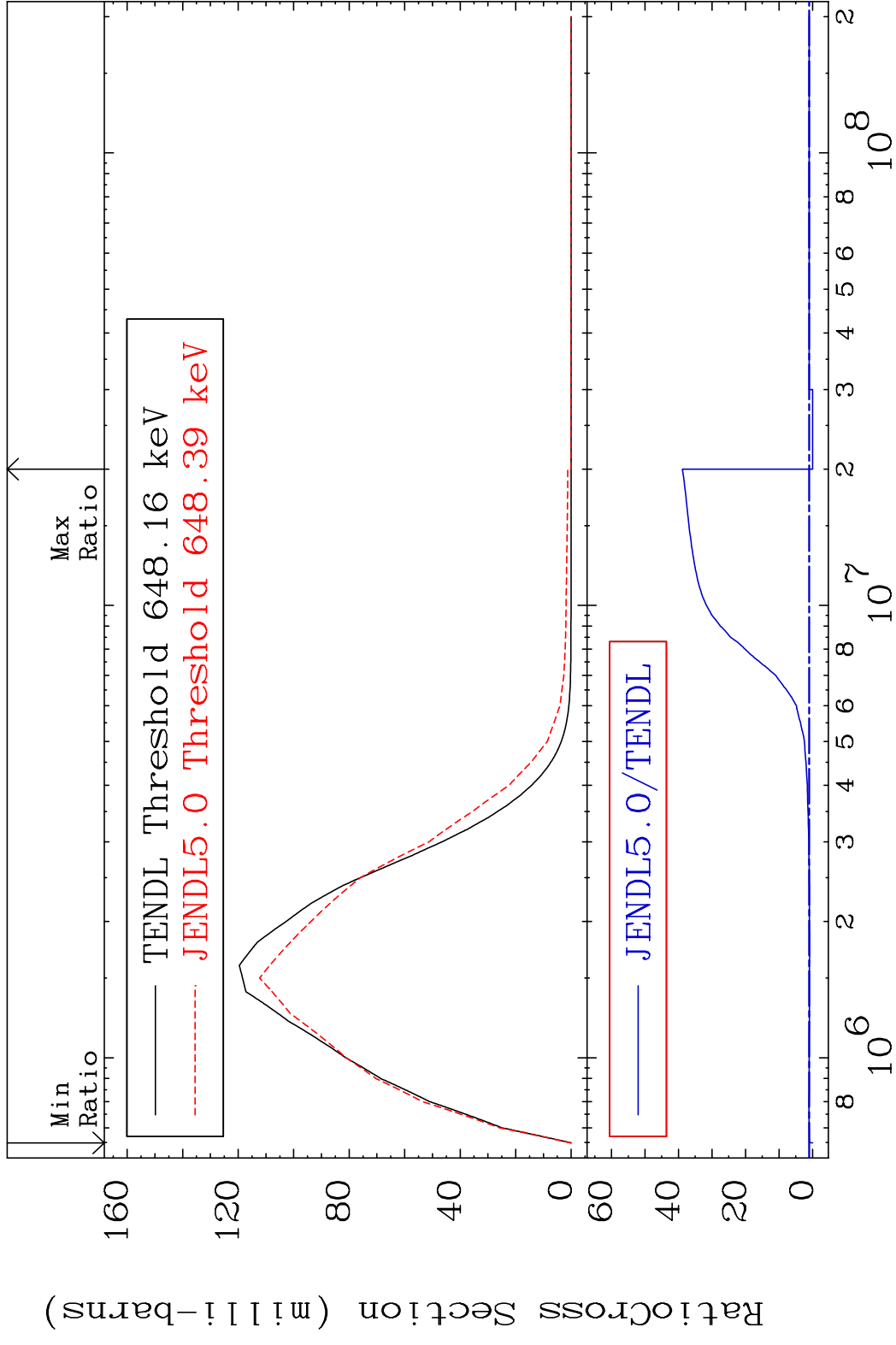


MAT 5137 MT= 51 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 1178. %

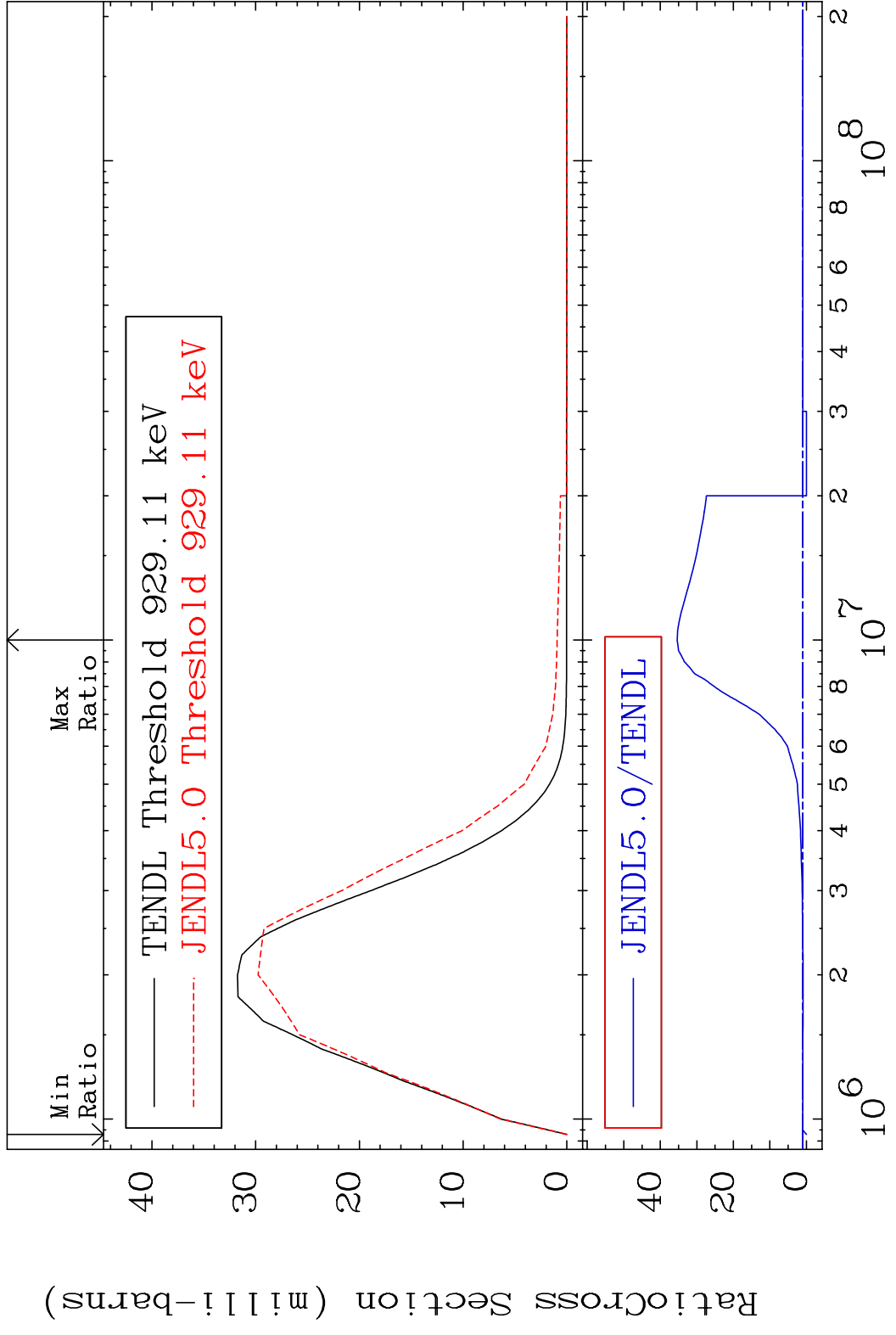


10 10 51-Sb-125

MAT 5137 MT= 52 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 3785. %

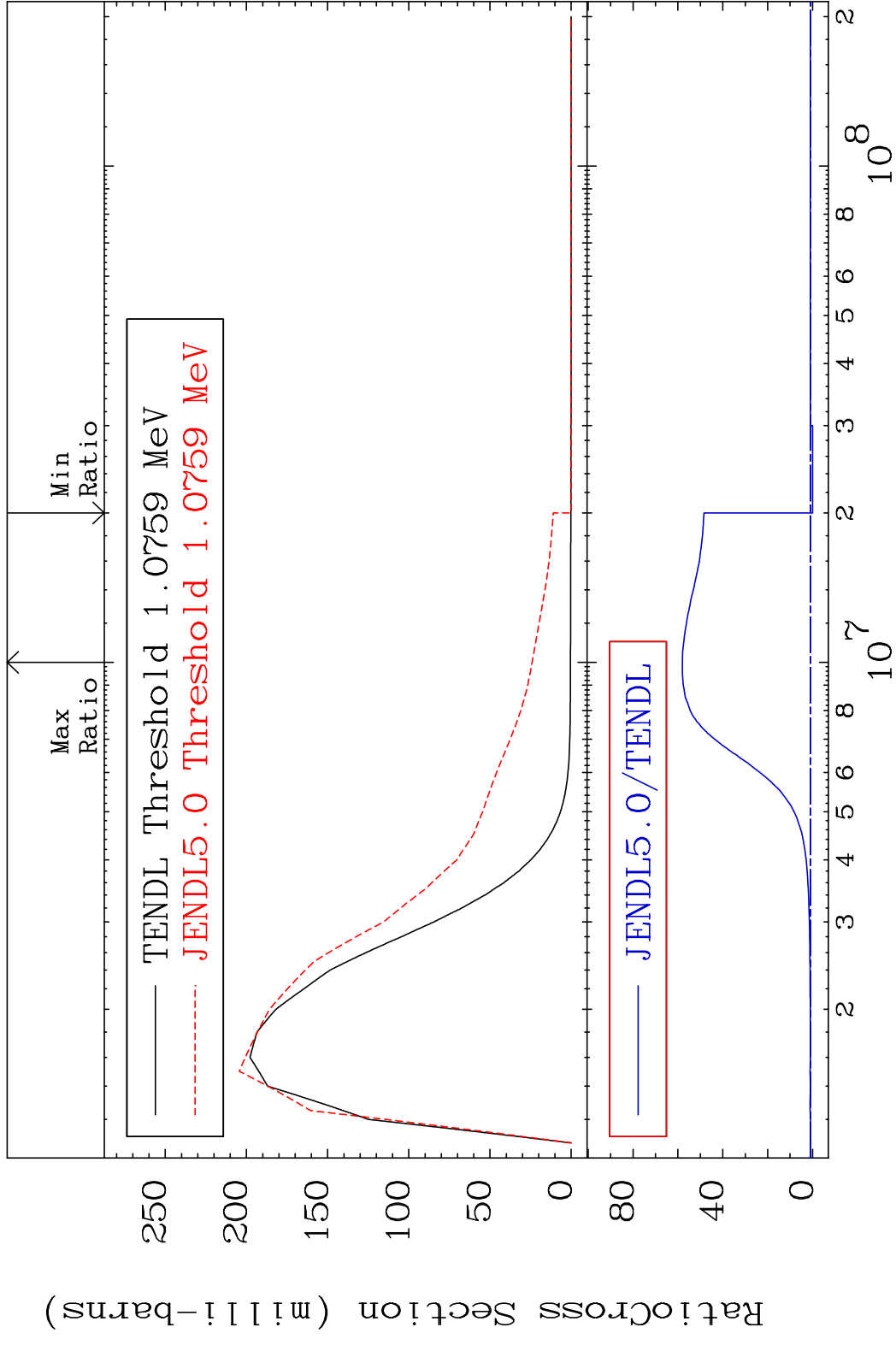


MAT 5137 MT= 53 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 3438. %

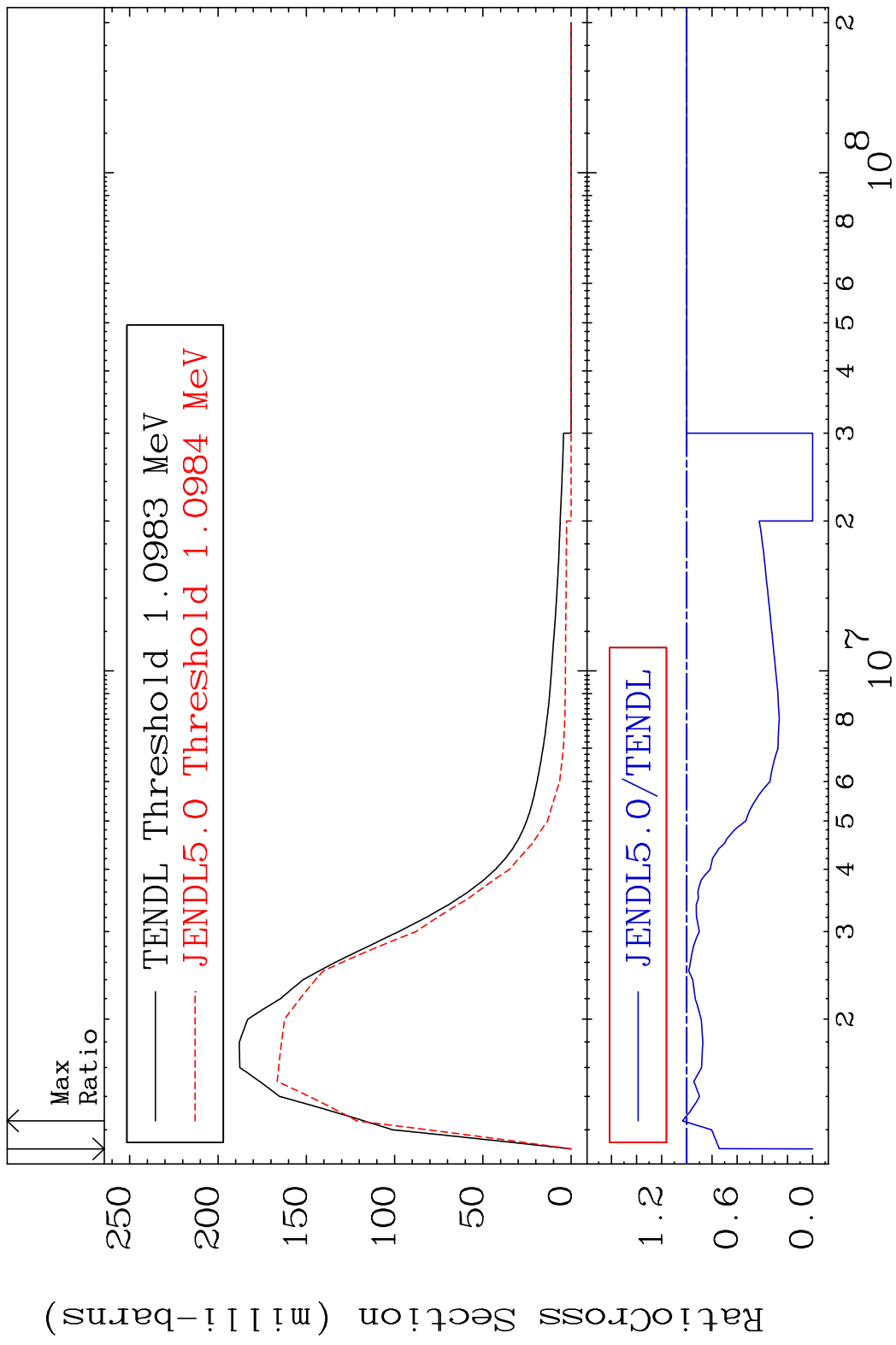


12 Incident Energy (eV) 51-Sb-125

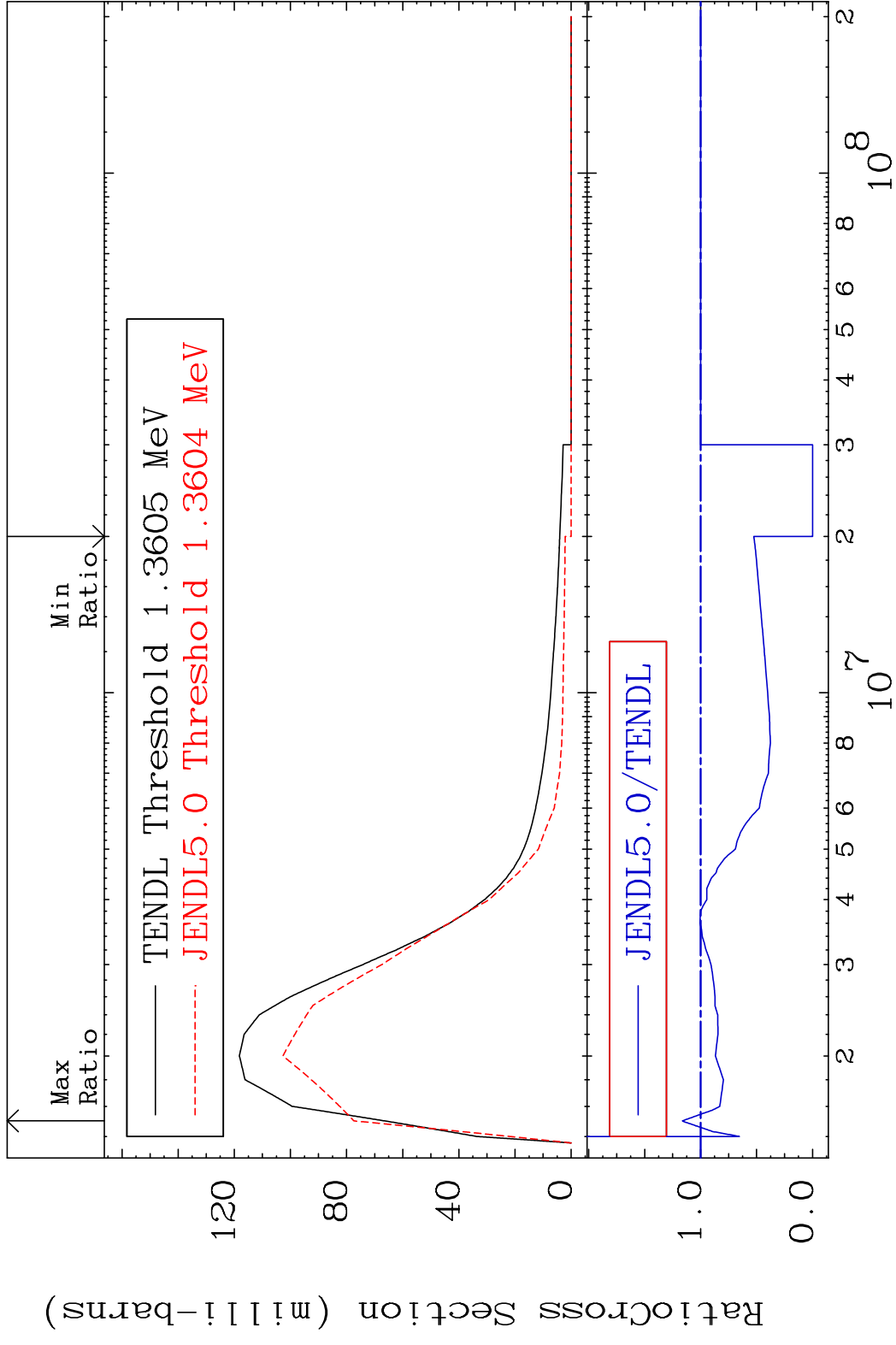
MAT 5137 MT= 54 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 5703. %



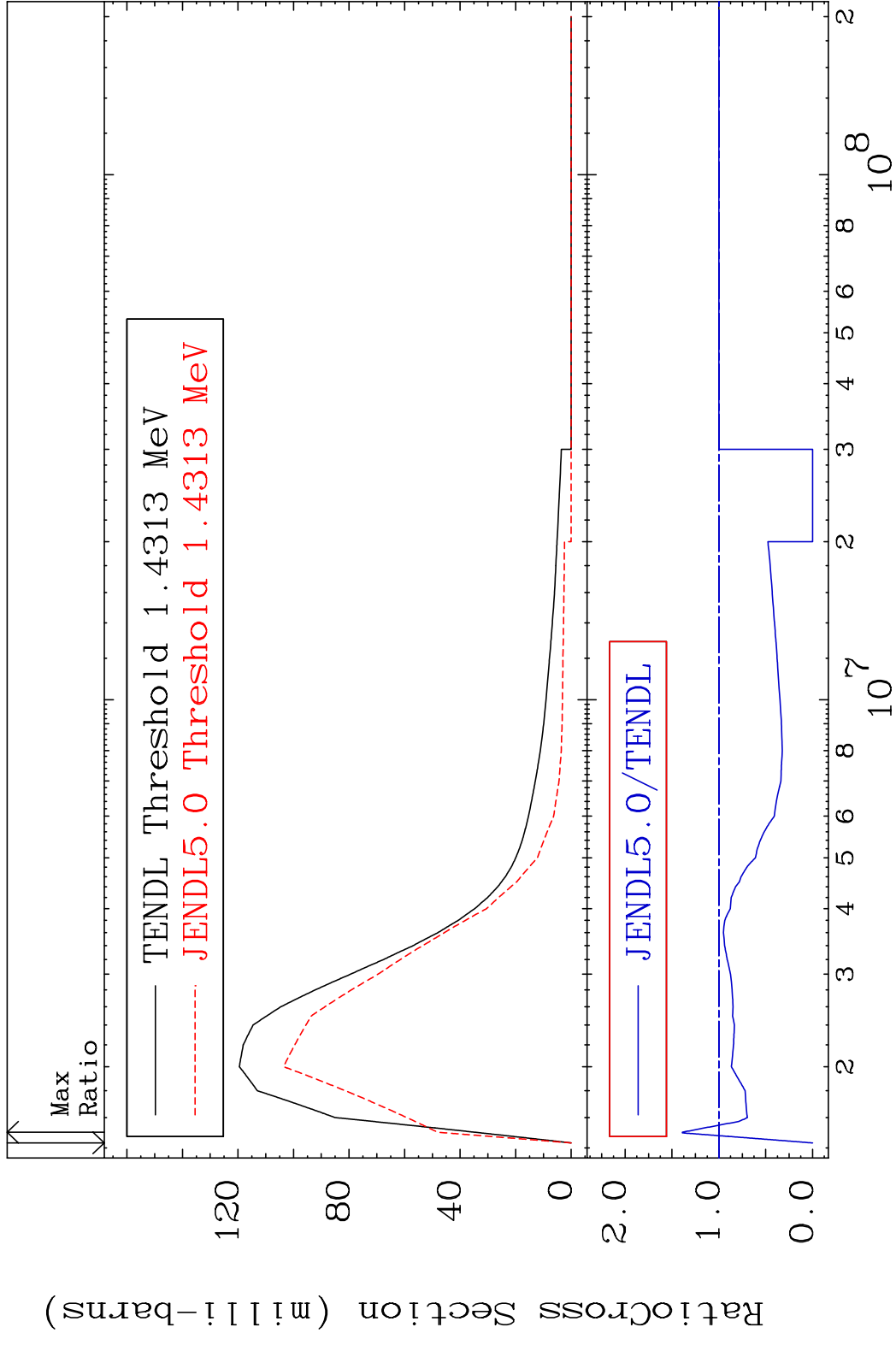
MAT 5137 MT= 55 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 3.544 %



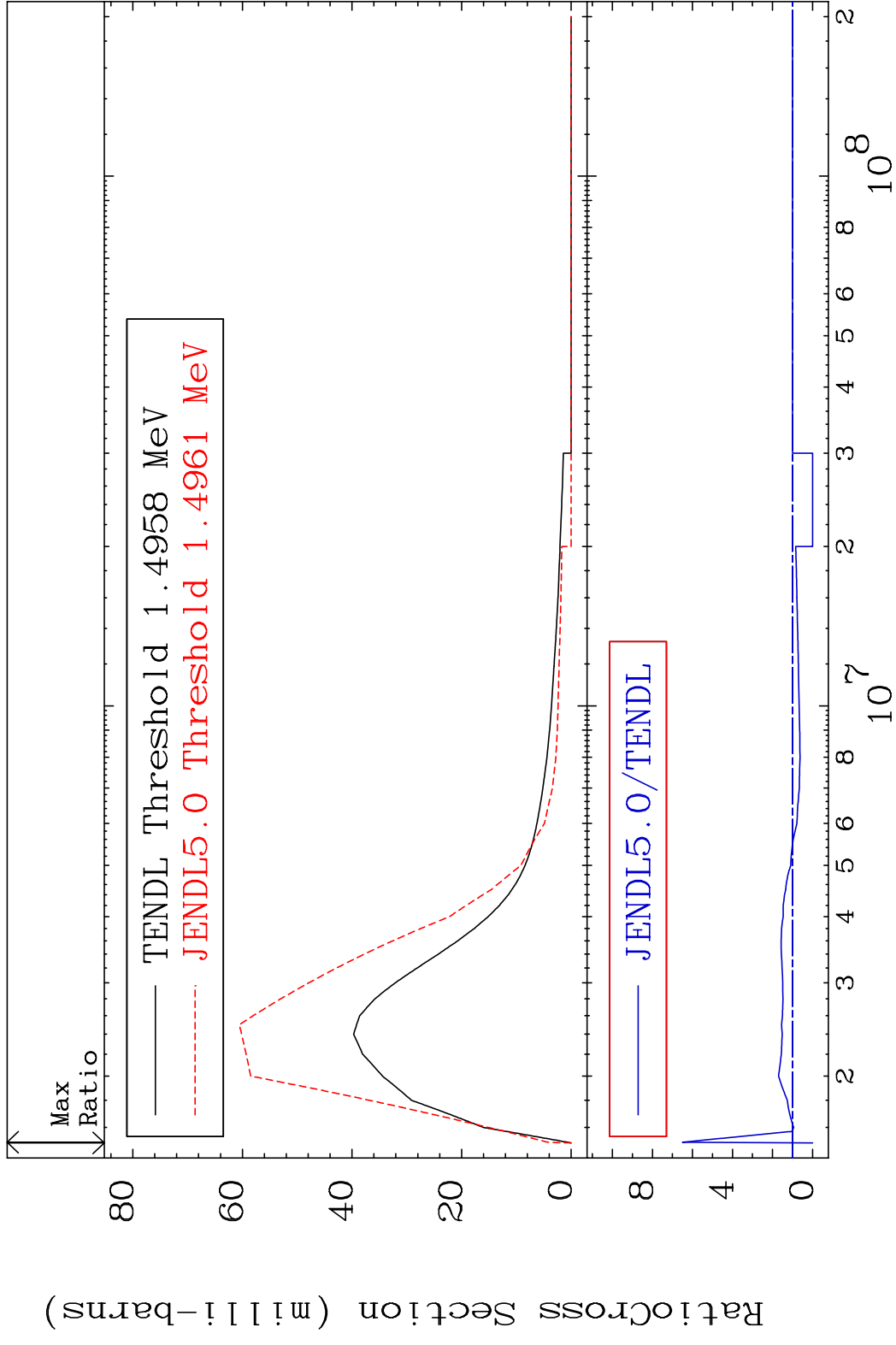
MAT 5137 MT= 56 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 16.36 %



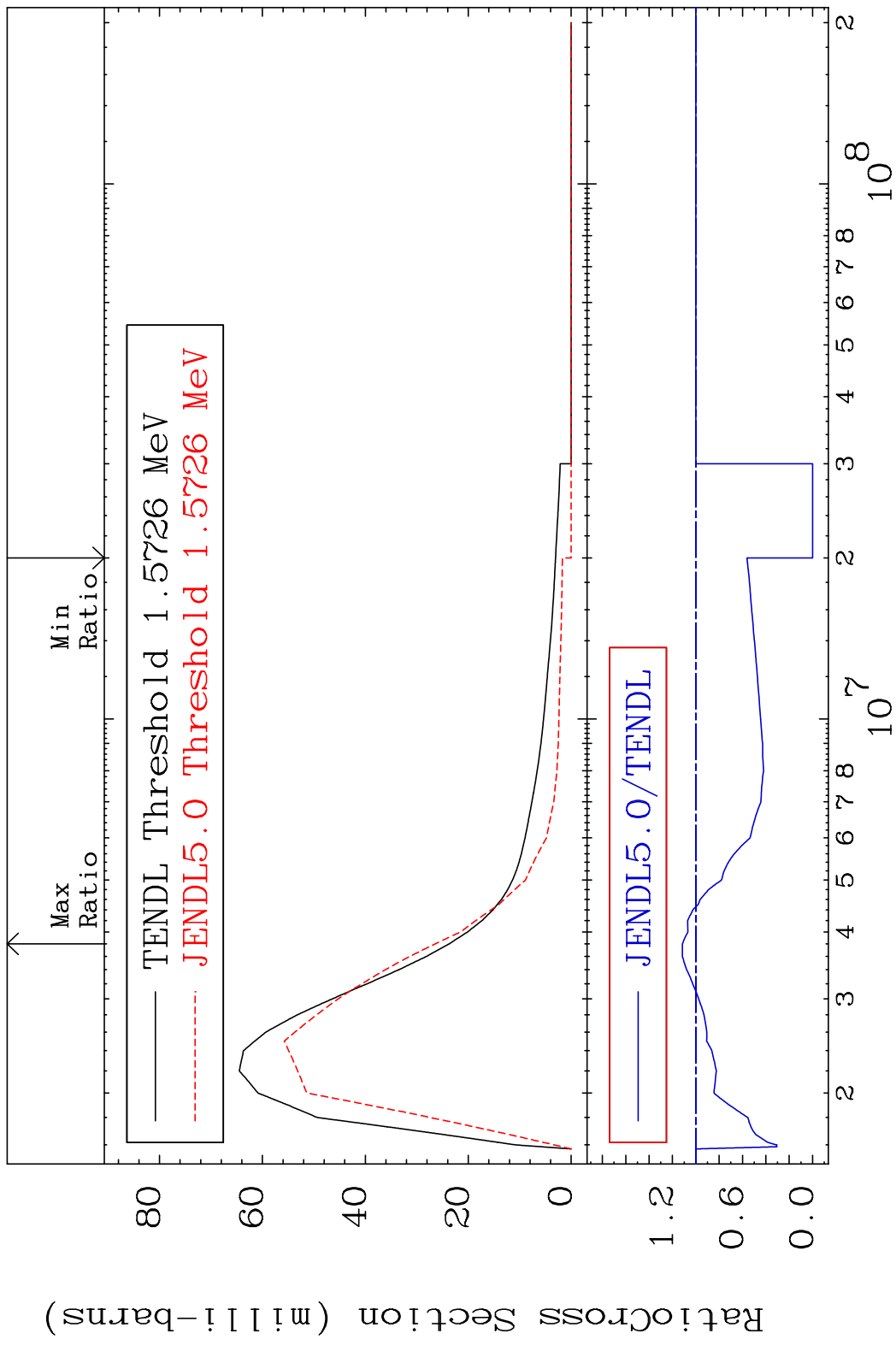
MAT 5137 MT= 57 (n,n') Level 51-Sb-125
 Cross Section -100.0 To 38.96 %



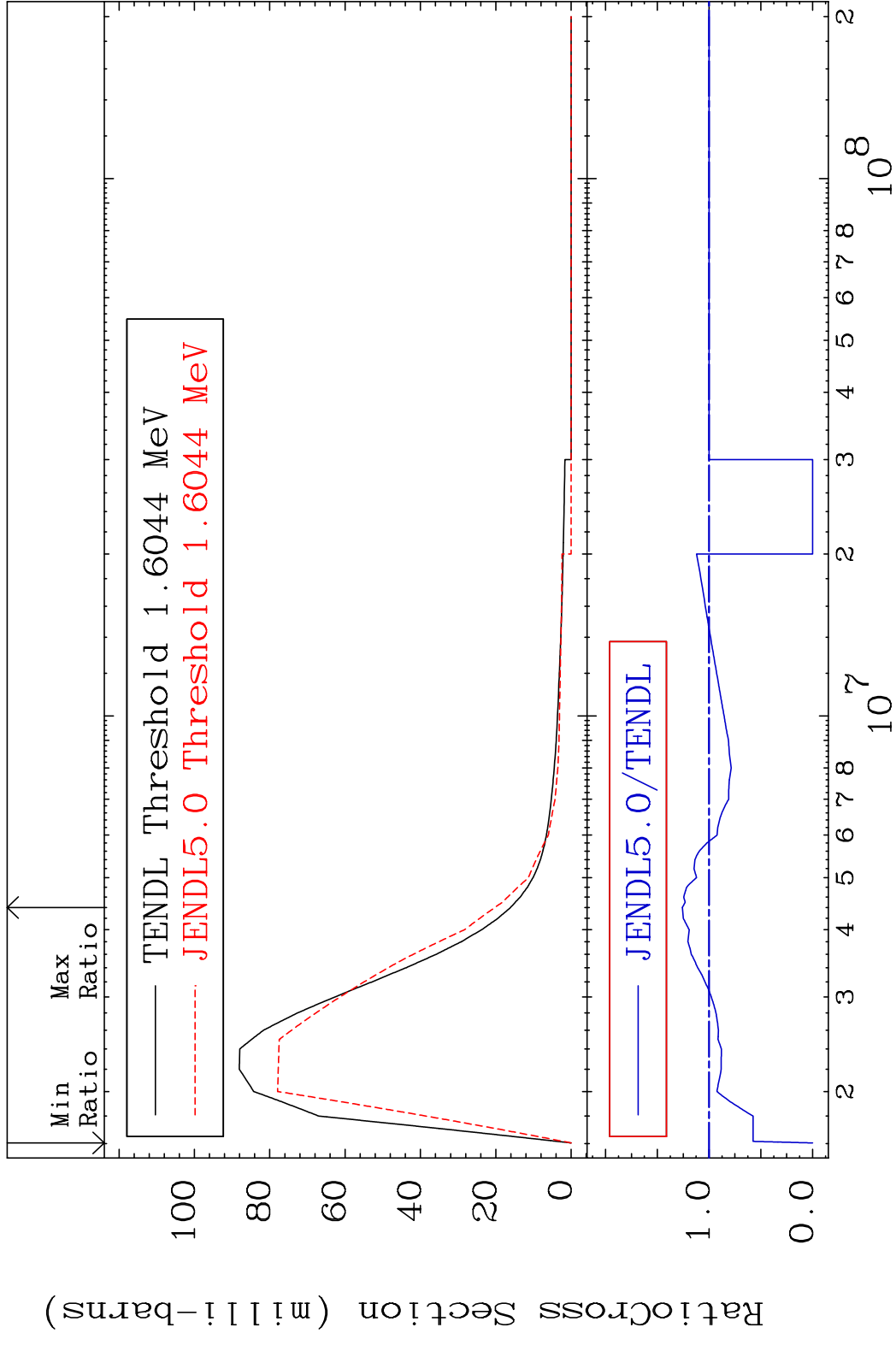
MAT 5137 MT= 58 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 550.5 %



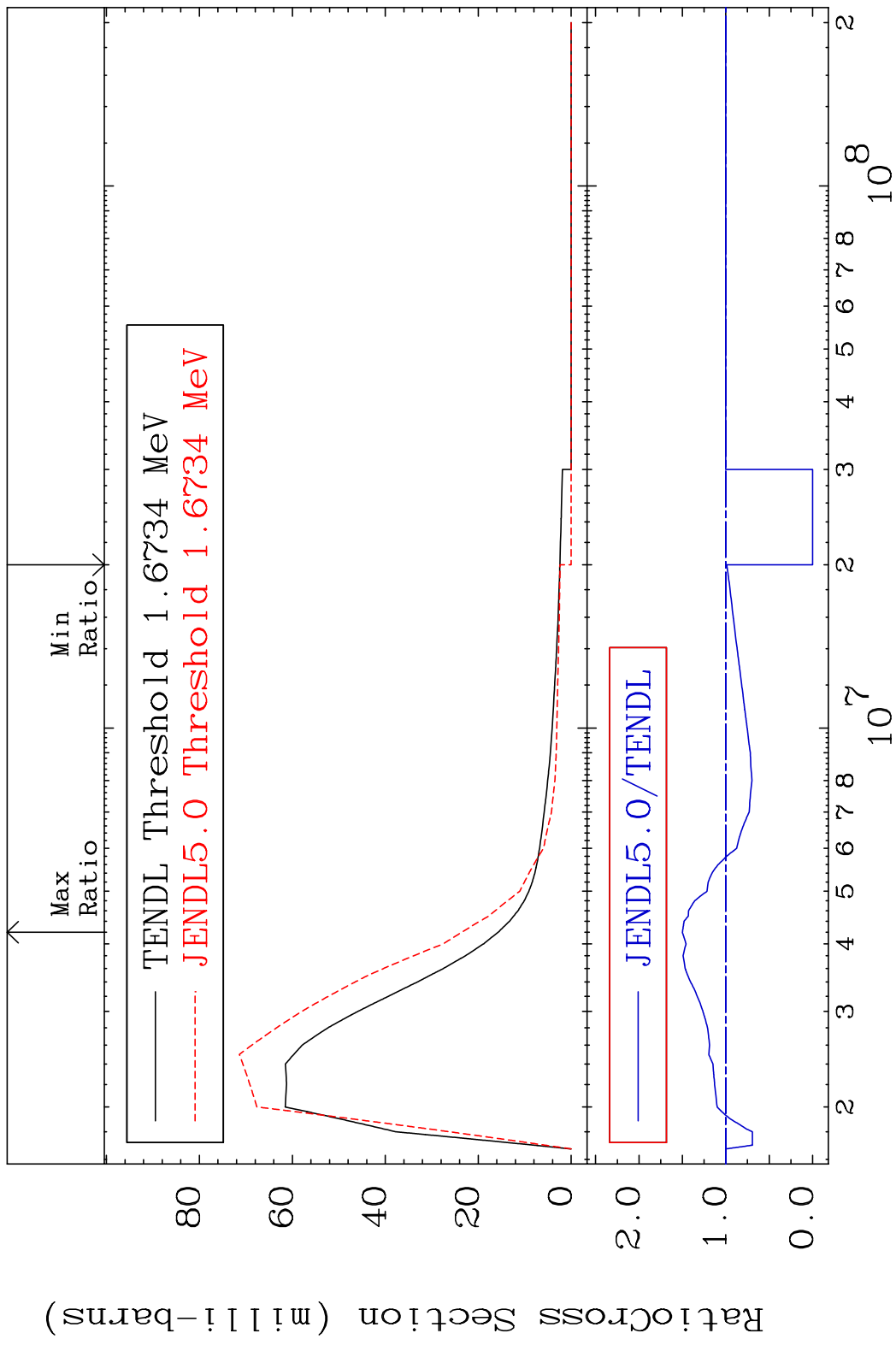
MAT 5137 MT= 59 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 11.51 %



MAT 5137 MT= 60 (n,n') Level 51-Sb-125
 Cross Section -100.0 To 25.81 %

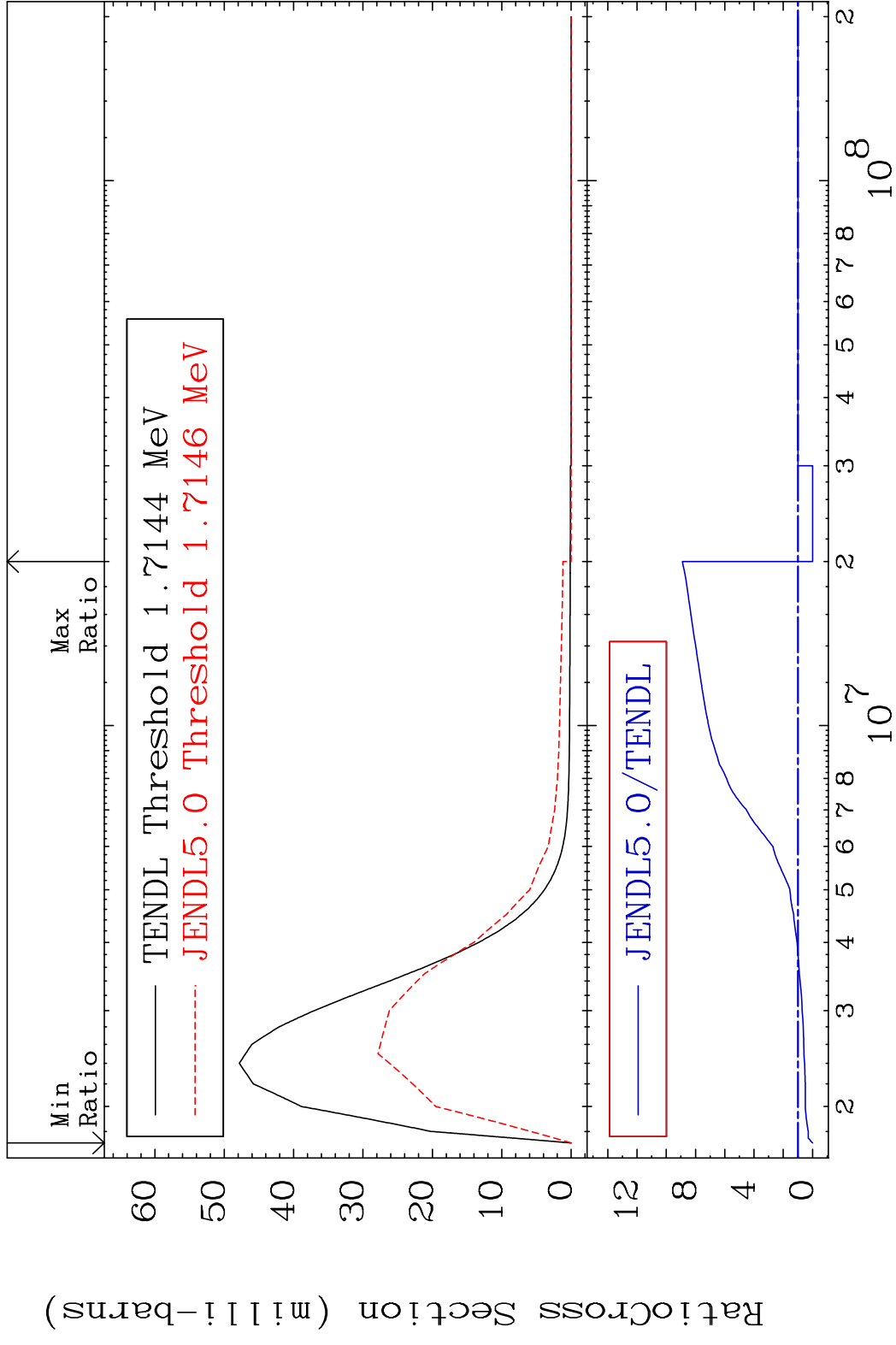


MAT 5137 MT= 61 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 50.04 %

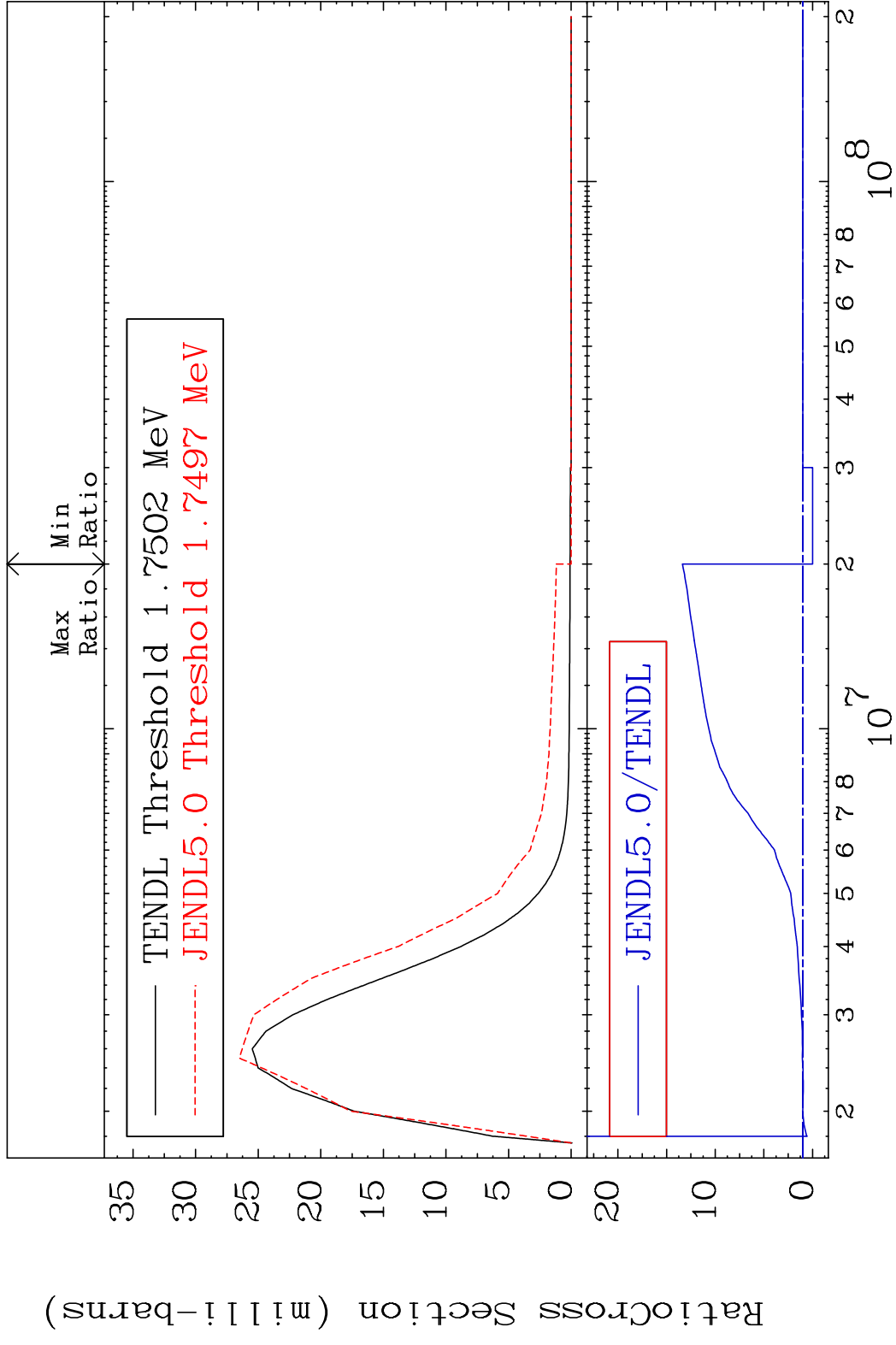


20 Incident Energy (eV) 51-Sb-125

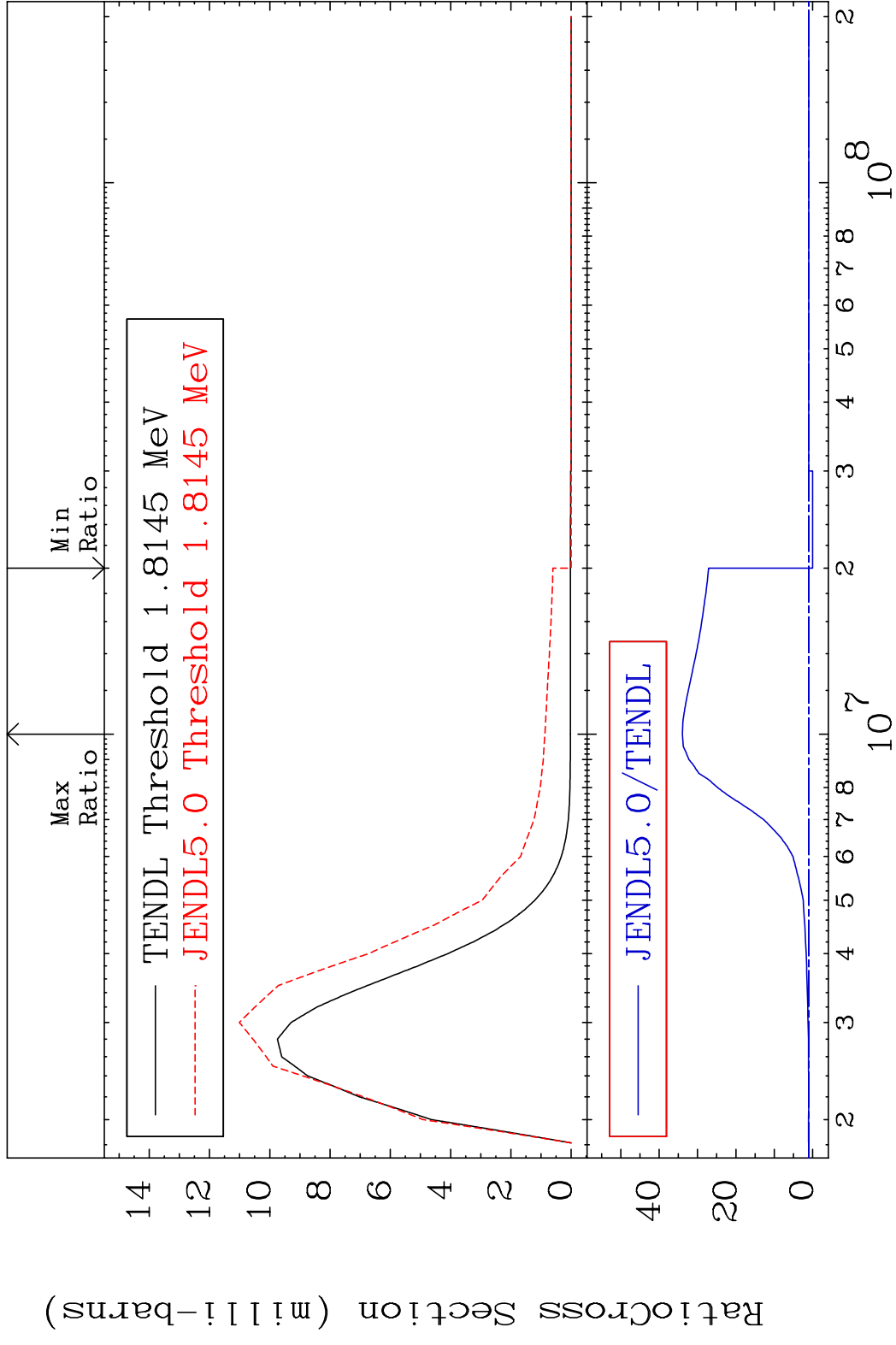
MAT 5137 MT= 62 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 789.9 %



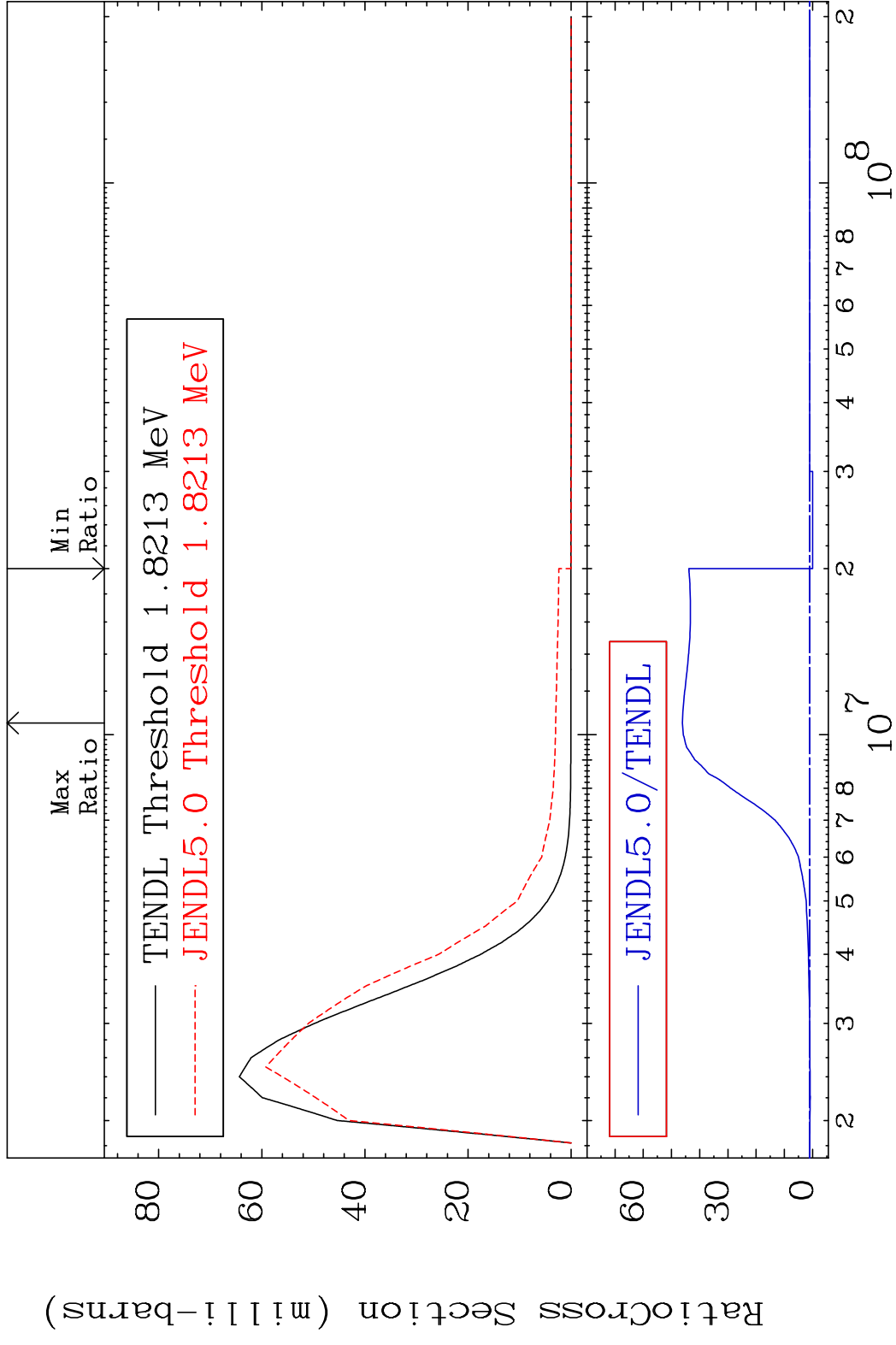
MAT 5137 MT= 63 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 1238. %



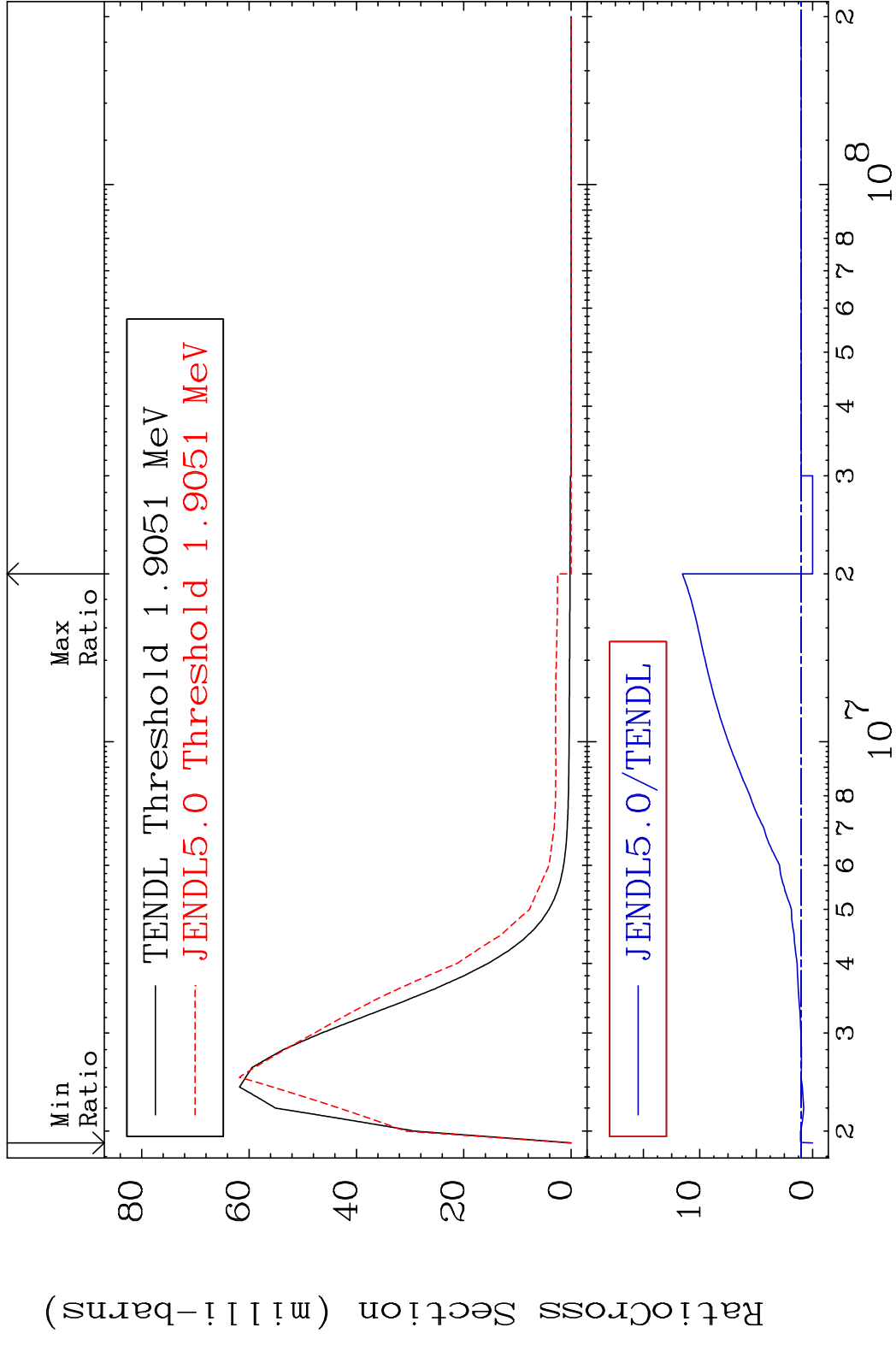
MAT 5137 MT= 64 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 3296. %



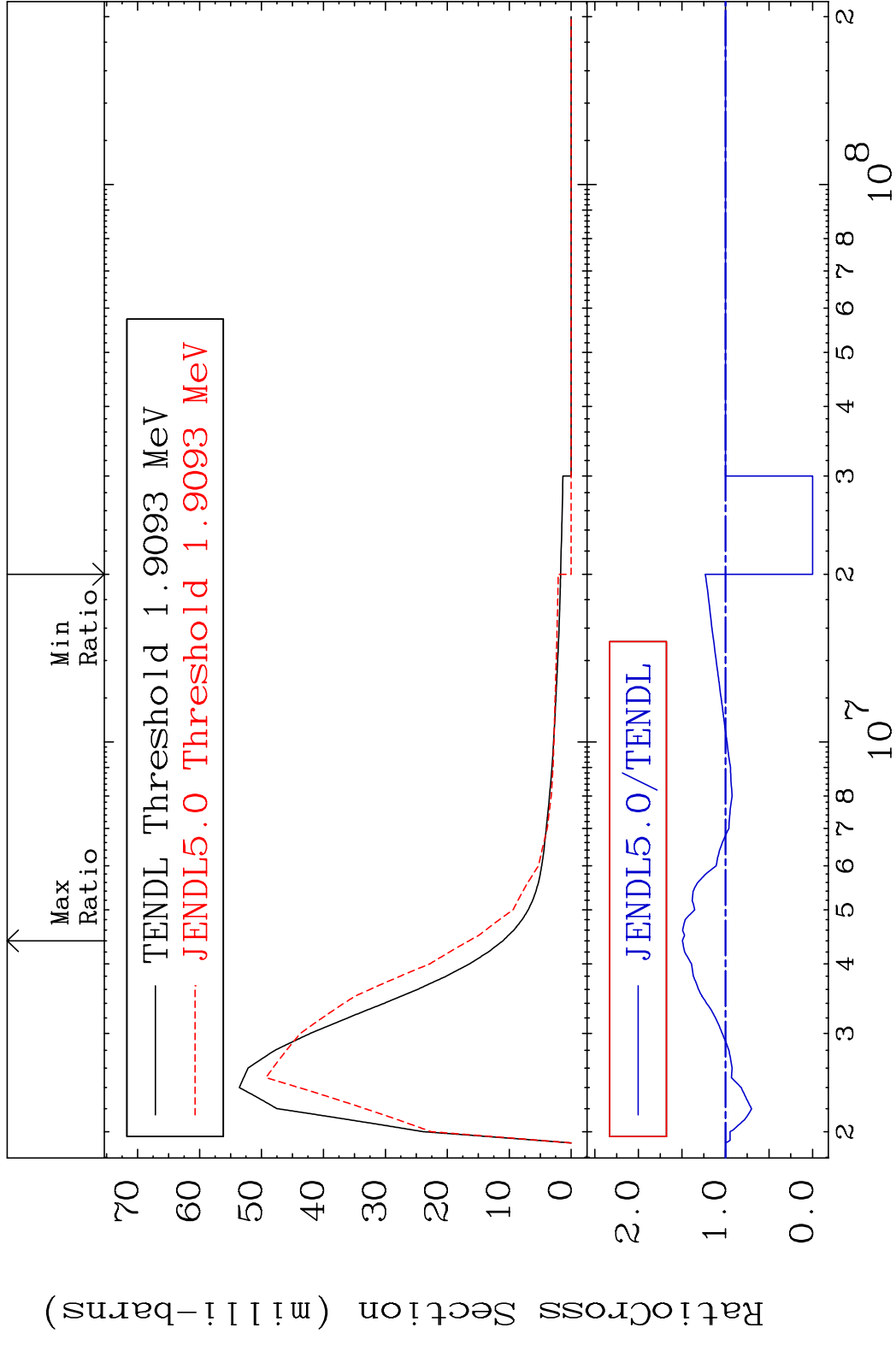
MAT 5137 MT= 65 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 4514. %



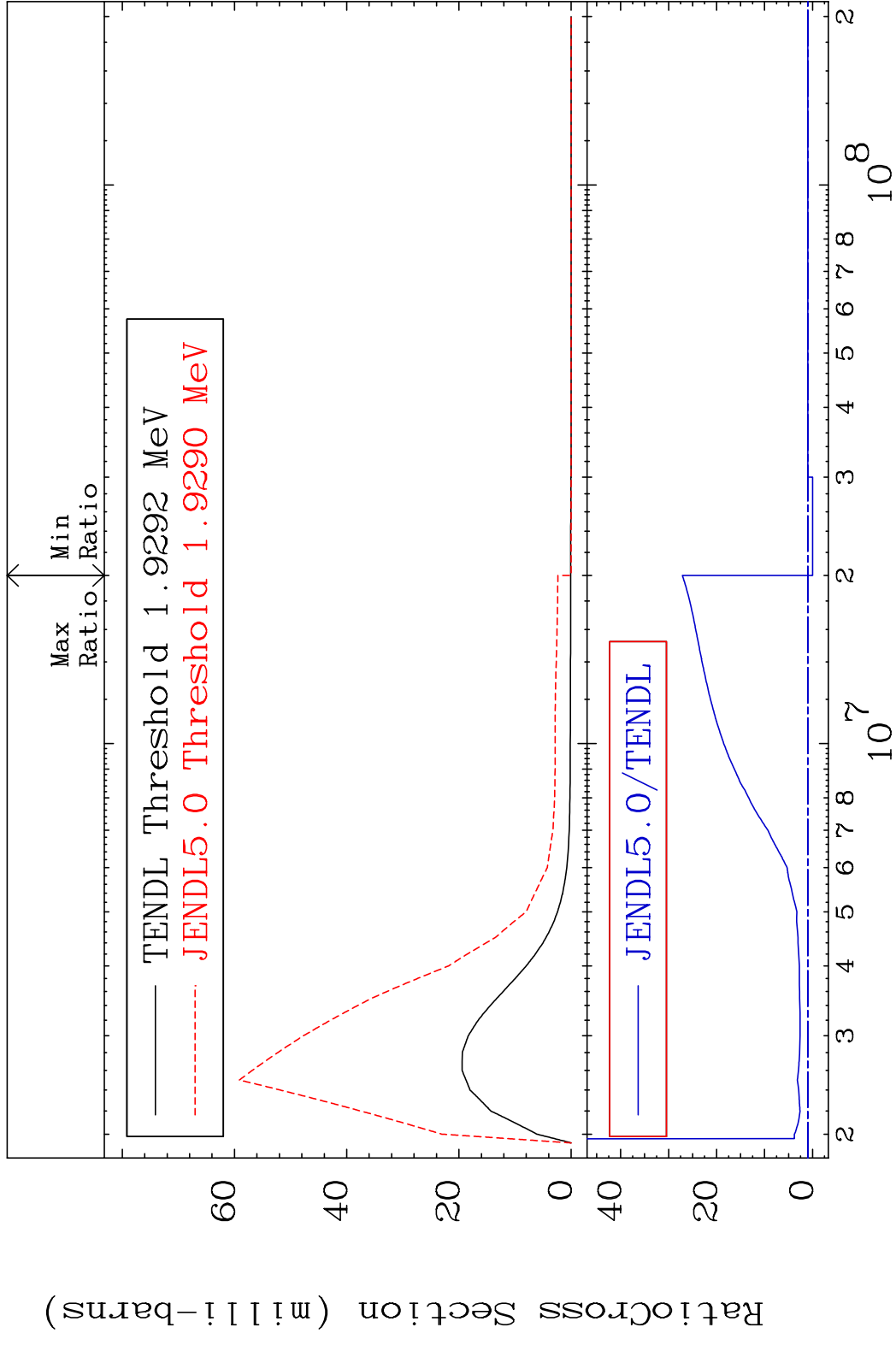
MAT 5137 MT= 66 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 1055. %



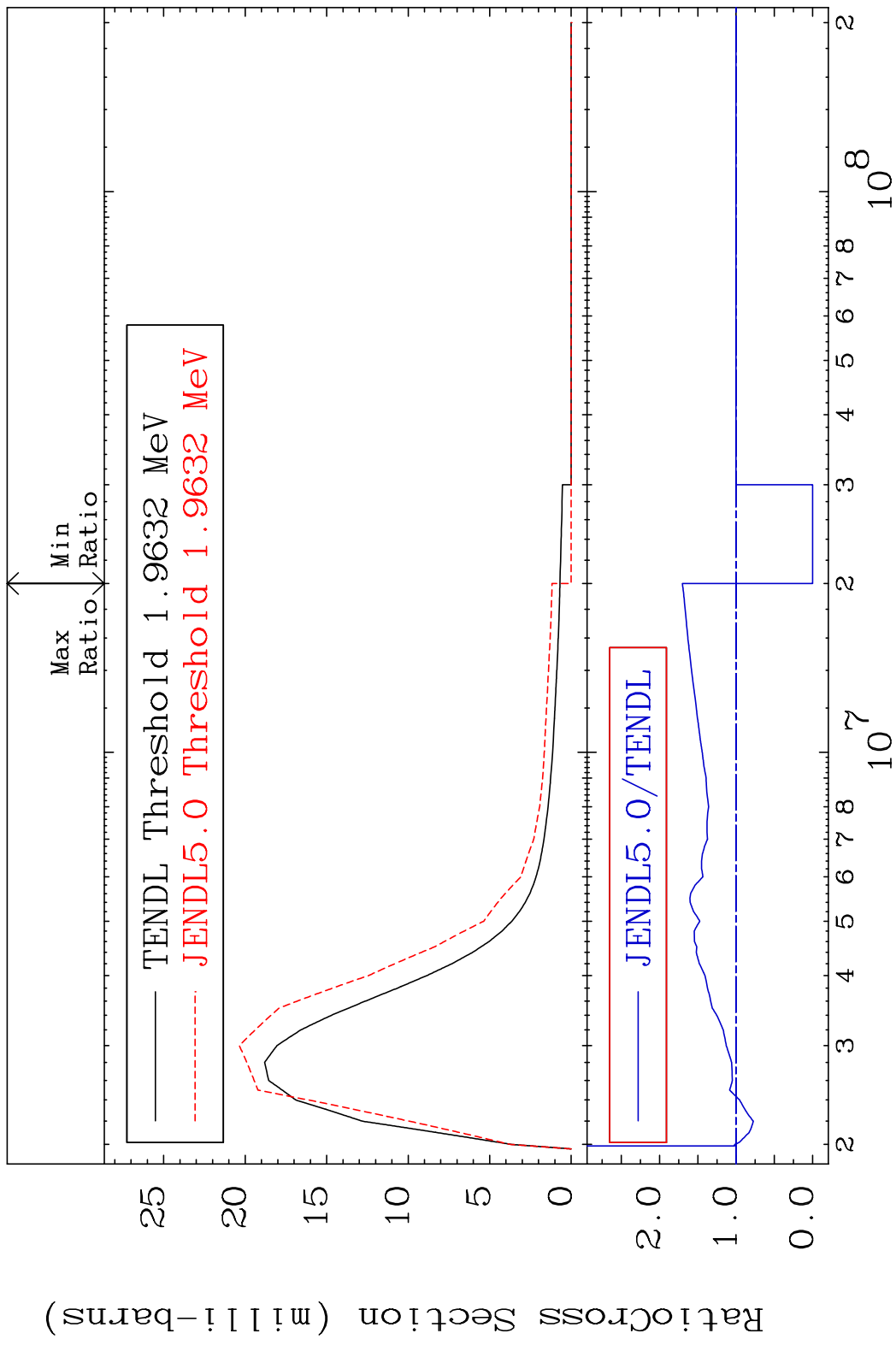
MAT 5137 MT= 67 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 49.53 %



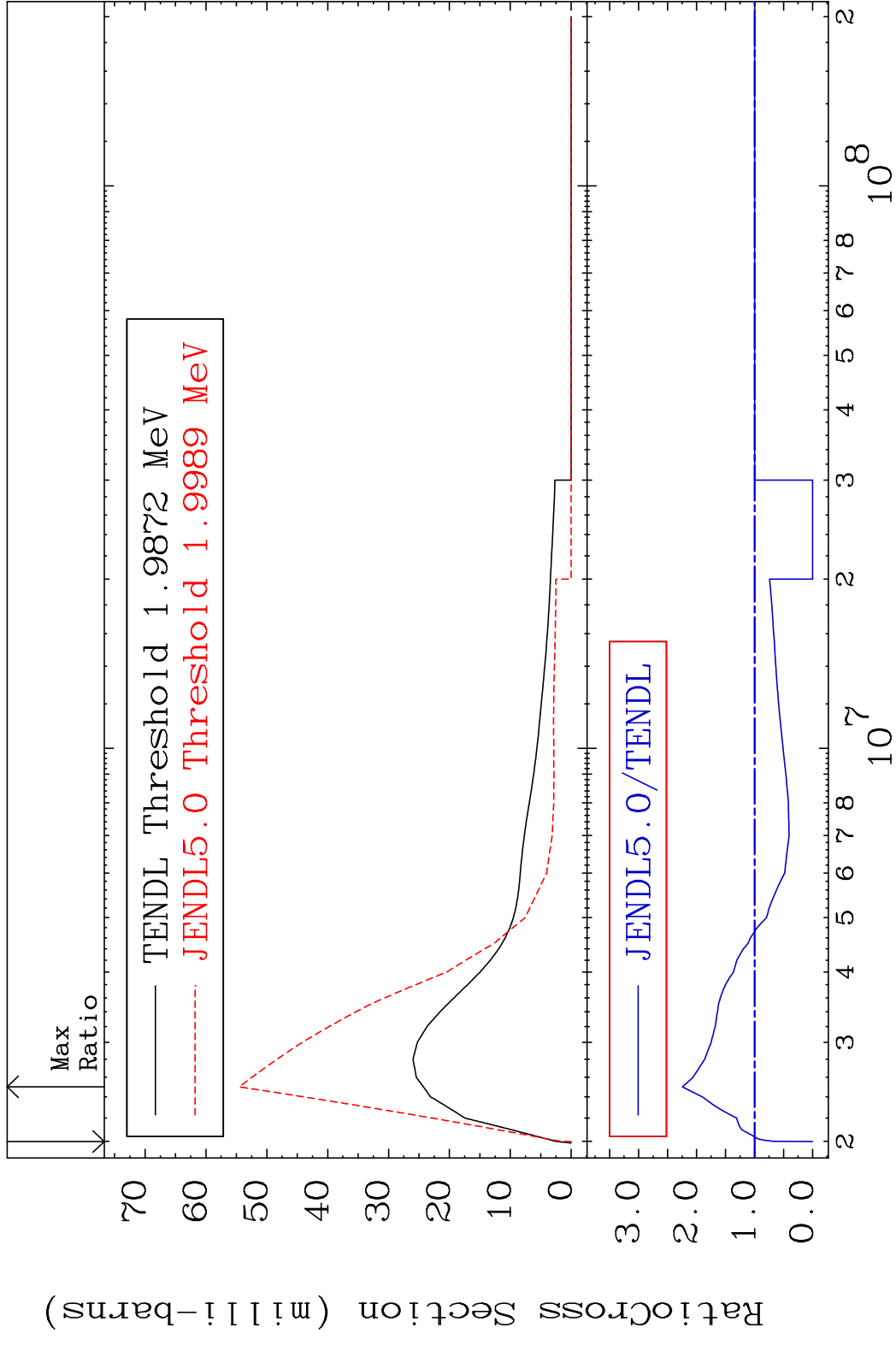
MAT 5137 MT= 68 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 2614. %



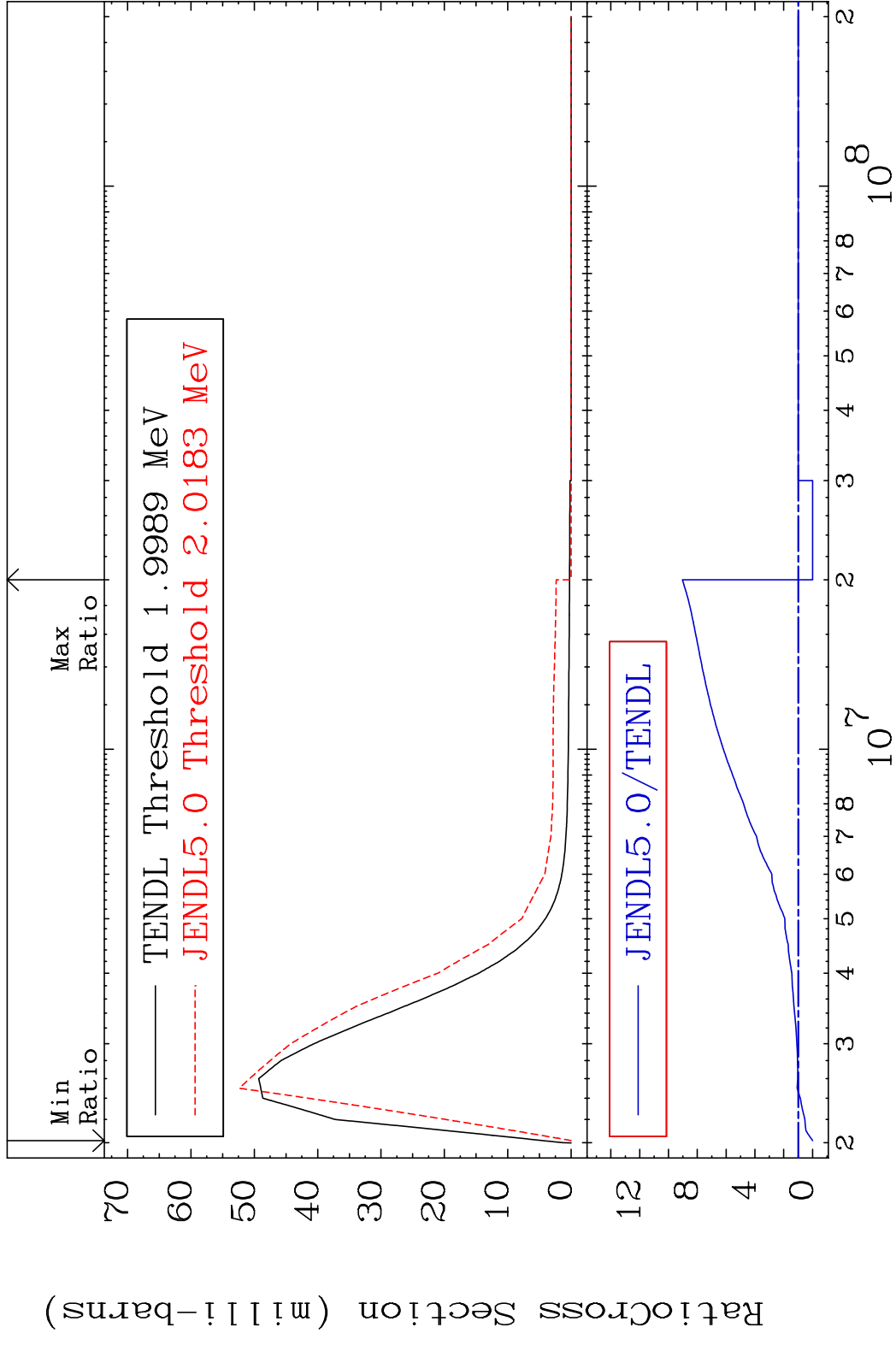
MAT 5137 MT= 69 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 70.22 %



MAT 5137 MT= 70 (n,n') Level 51-Sb-125
 Cross Section -100.0 To 124.5 %



MAT 5137 MT= 71 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 803.7 %

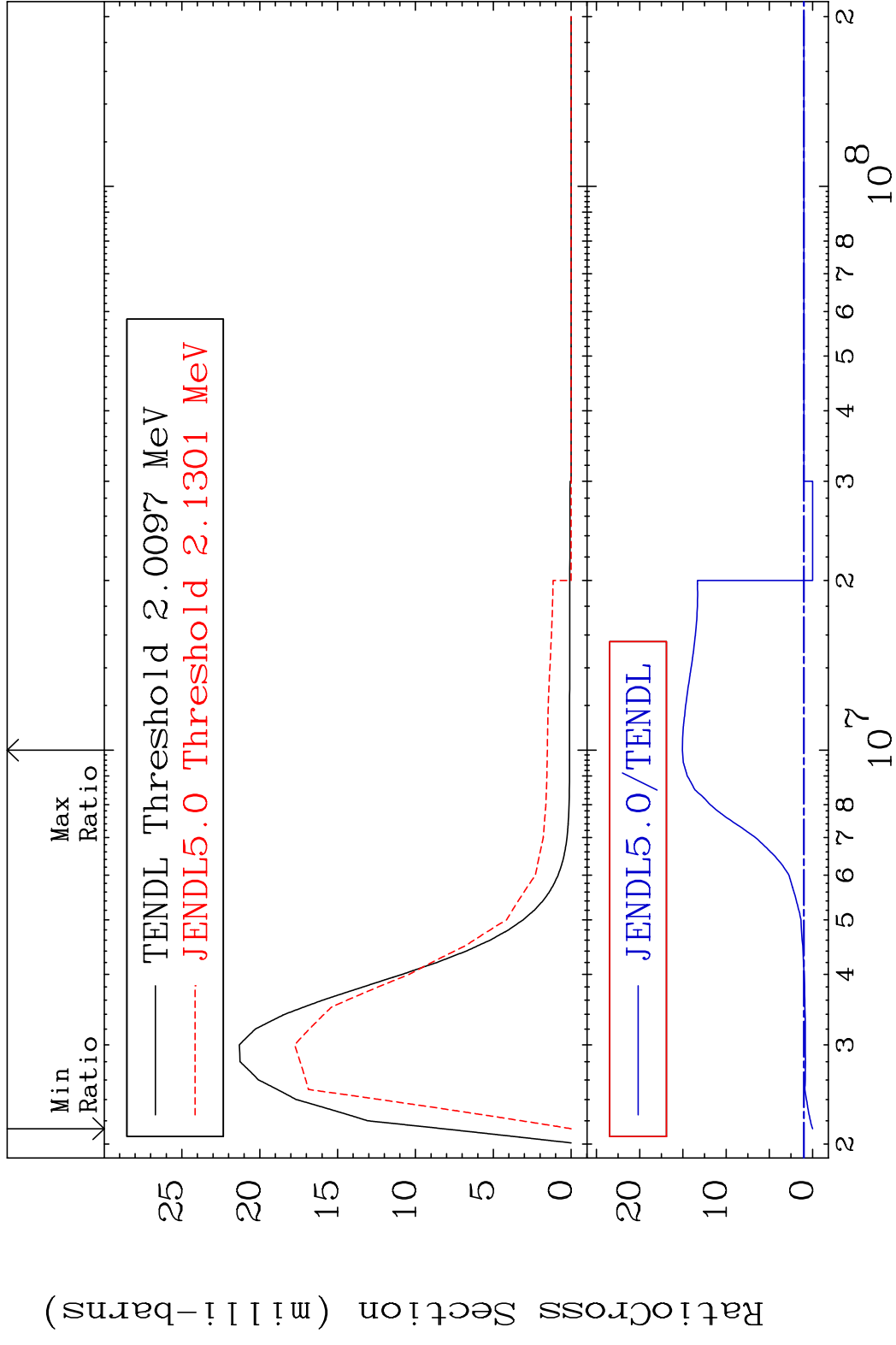


MAT 5137

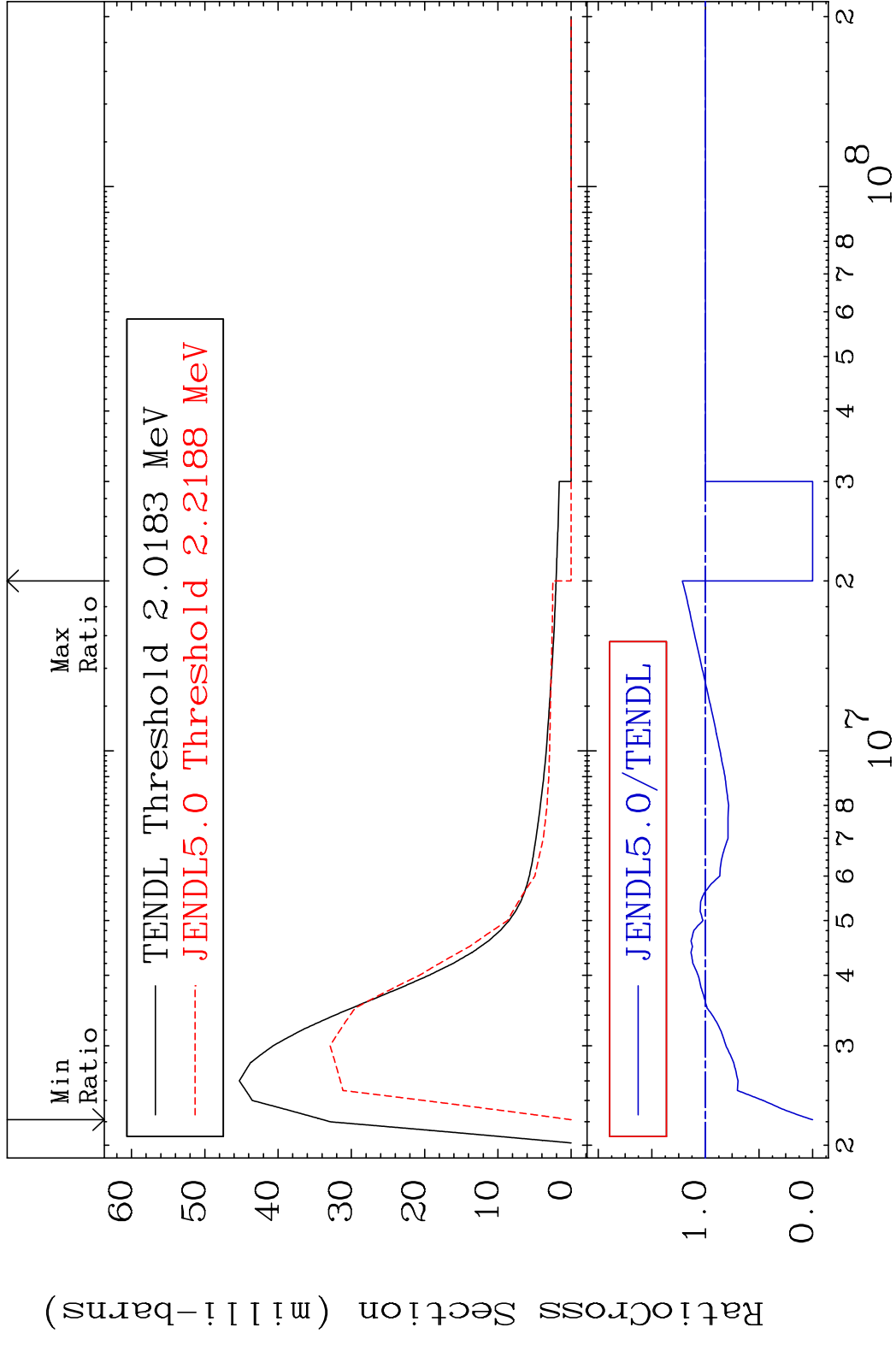
MT= 72 (n, n') Level

51-Sb-125

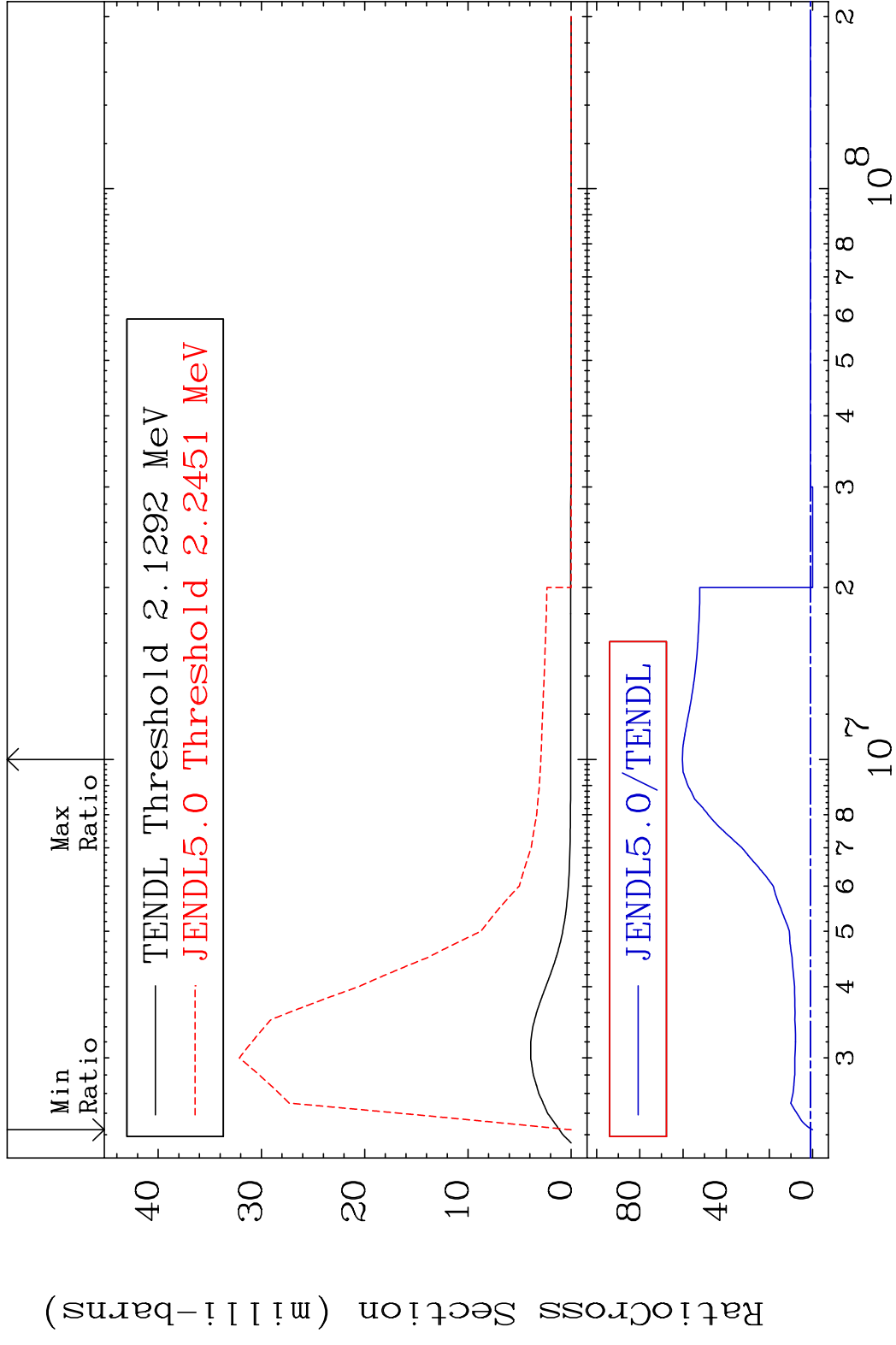
Cross Section -100.0 To 1407. %



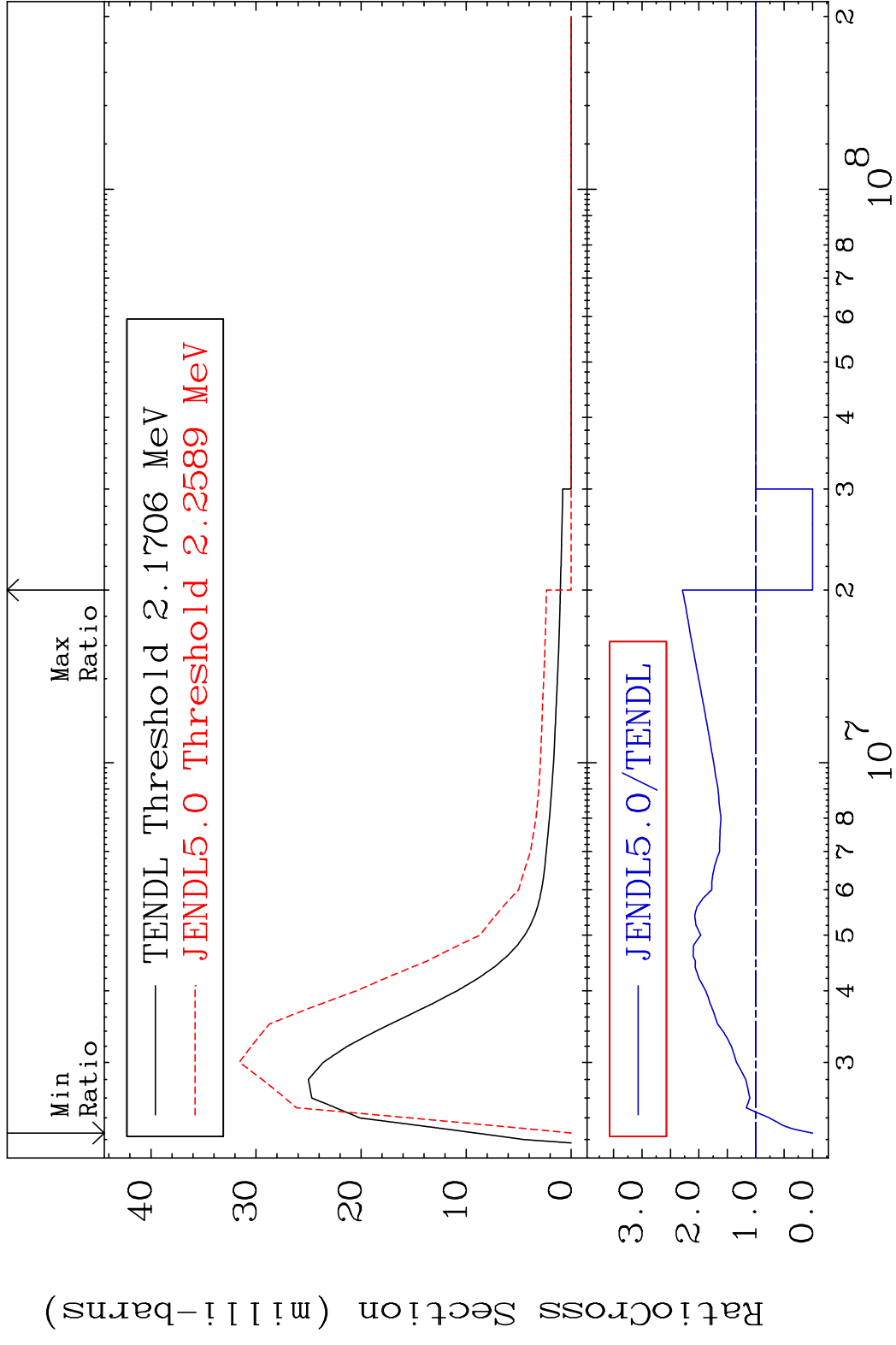
MAT 5137 MT= 73 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 21.53 %



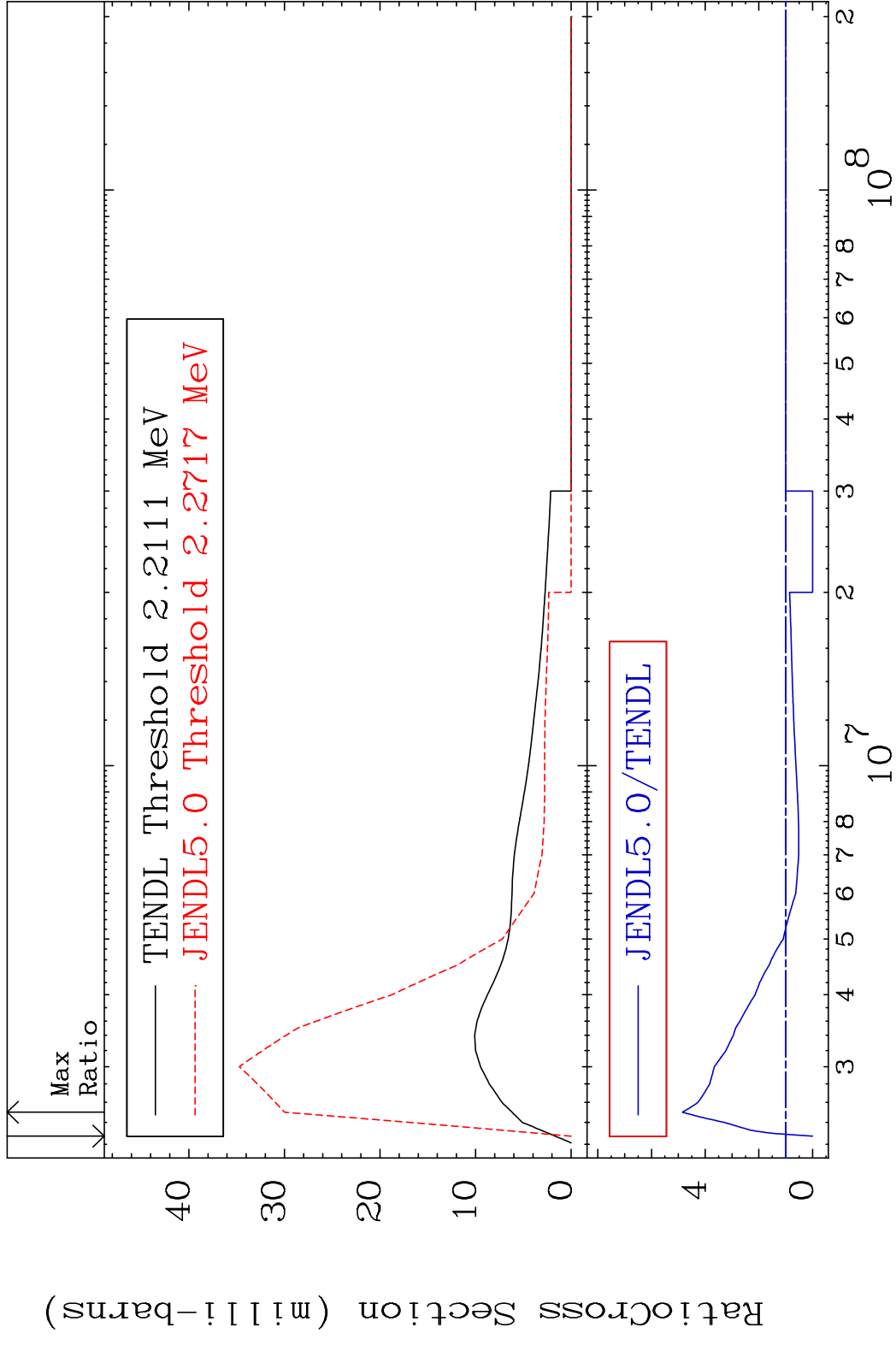
MAT 5137 MT= 74 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 5931. %



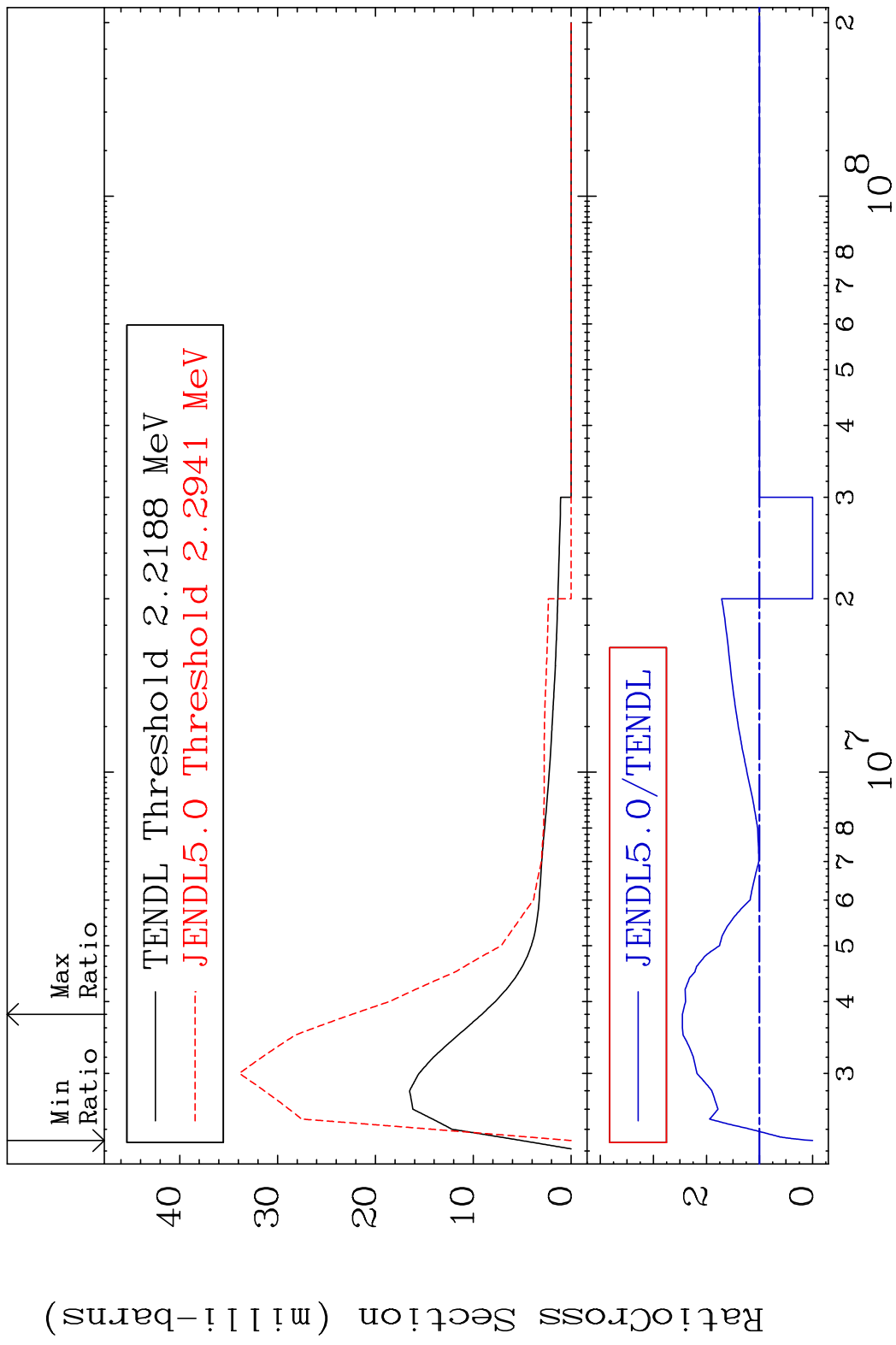
MAT 5137 MT= 75 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 129.0 %



MAT 5137 MT= 76 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 385.0 %



MAT 5137 MT= 77 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 145.4 %

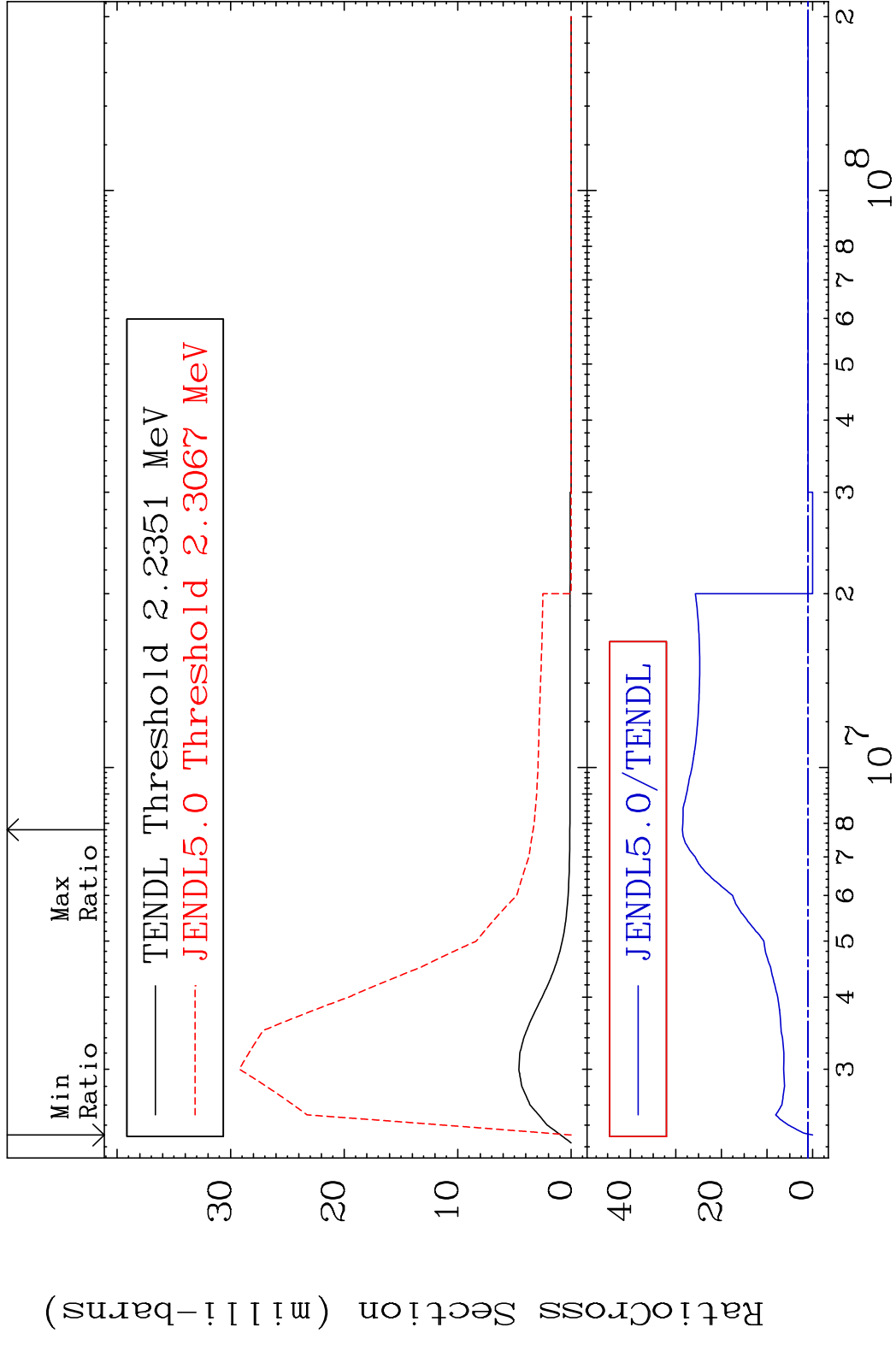


MAT 5137

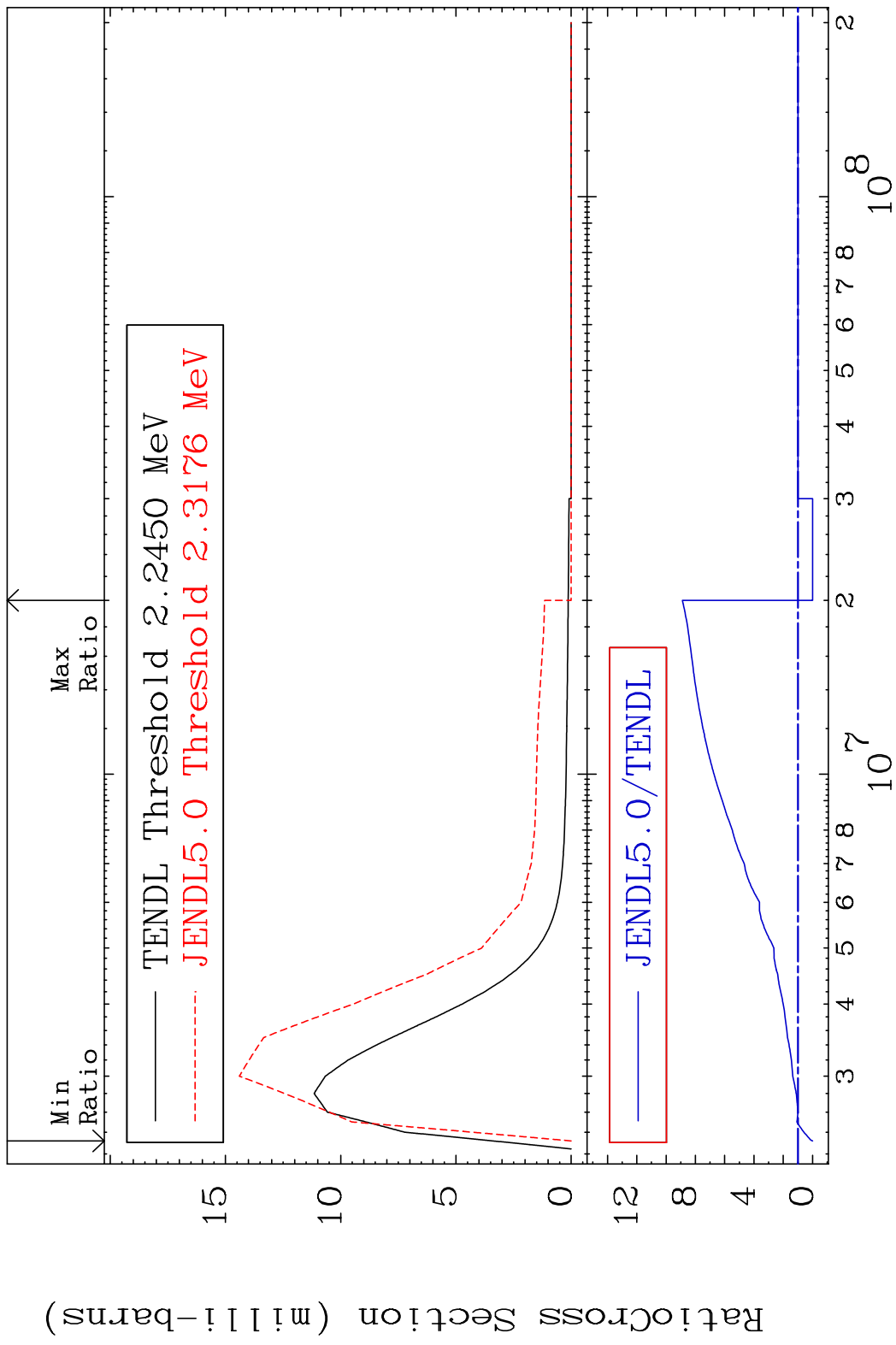
MT= 78 (n, n') Level

51-Sb-125

Cross Section -100.0 To 2758. %



MAT 5137 MT= 79 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 789.0 %

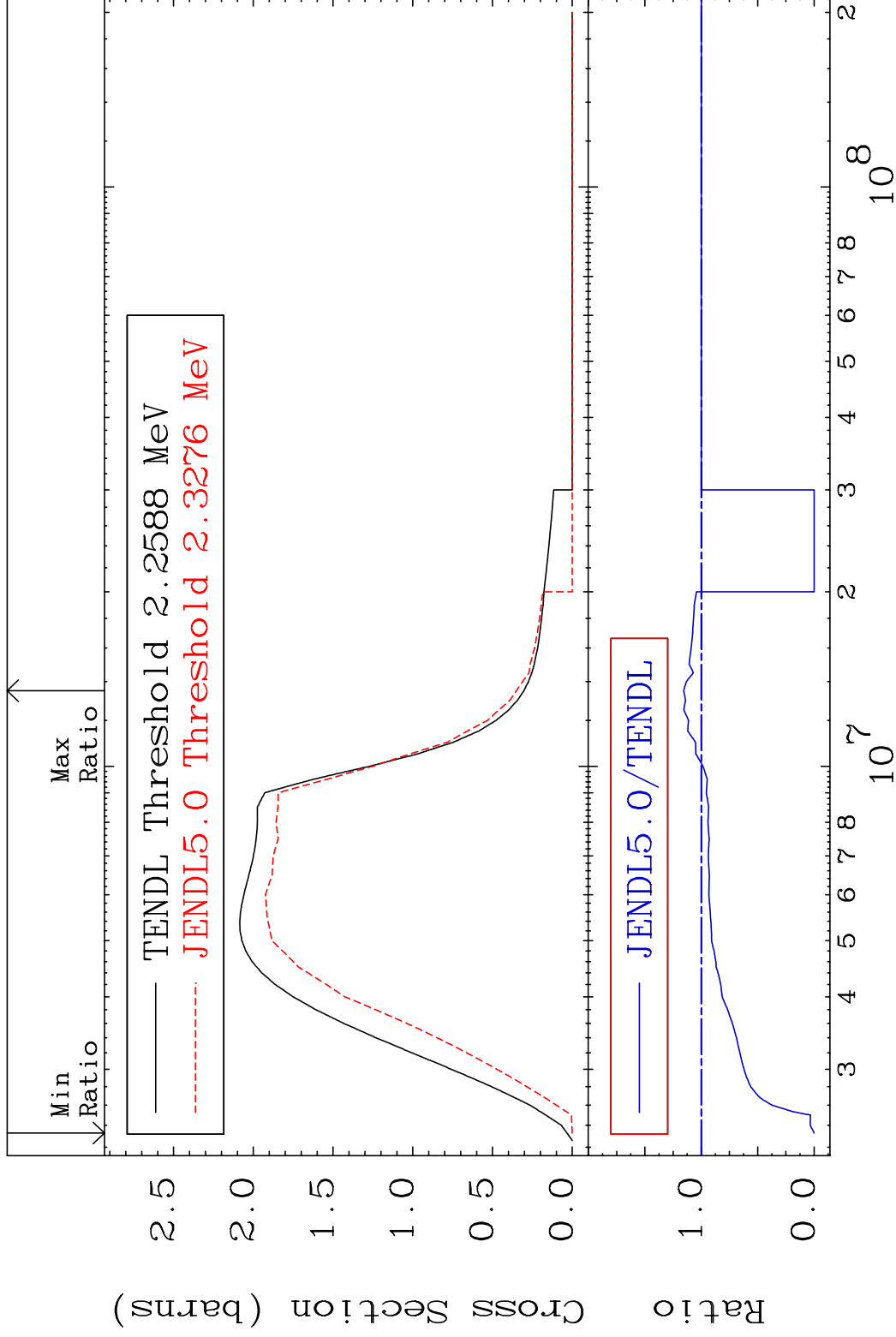


MAT 5137

(n,n') Continuum

51-Sb-125

Cross Section -100.0 To 15.63 %



39

Incident Energy (eV)

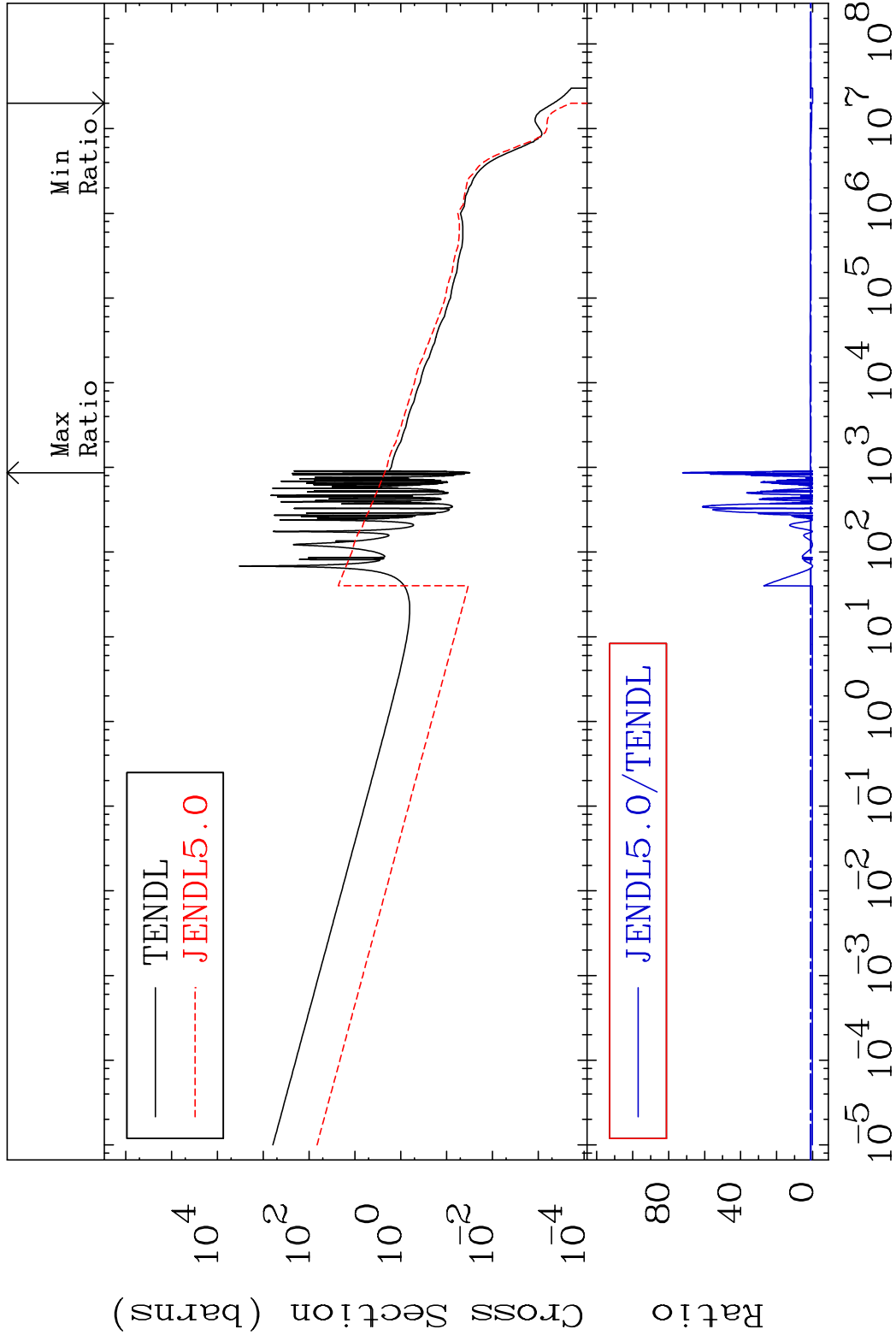
51-Sb-125

MAT 5137

(n, γ)

51-Sb-125

Cross Section -100.0 To 7140. %



40

Incident Energy (eV)

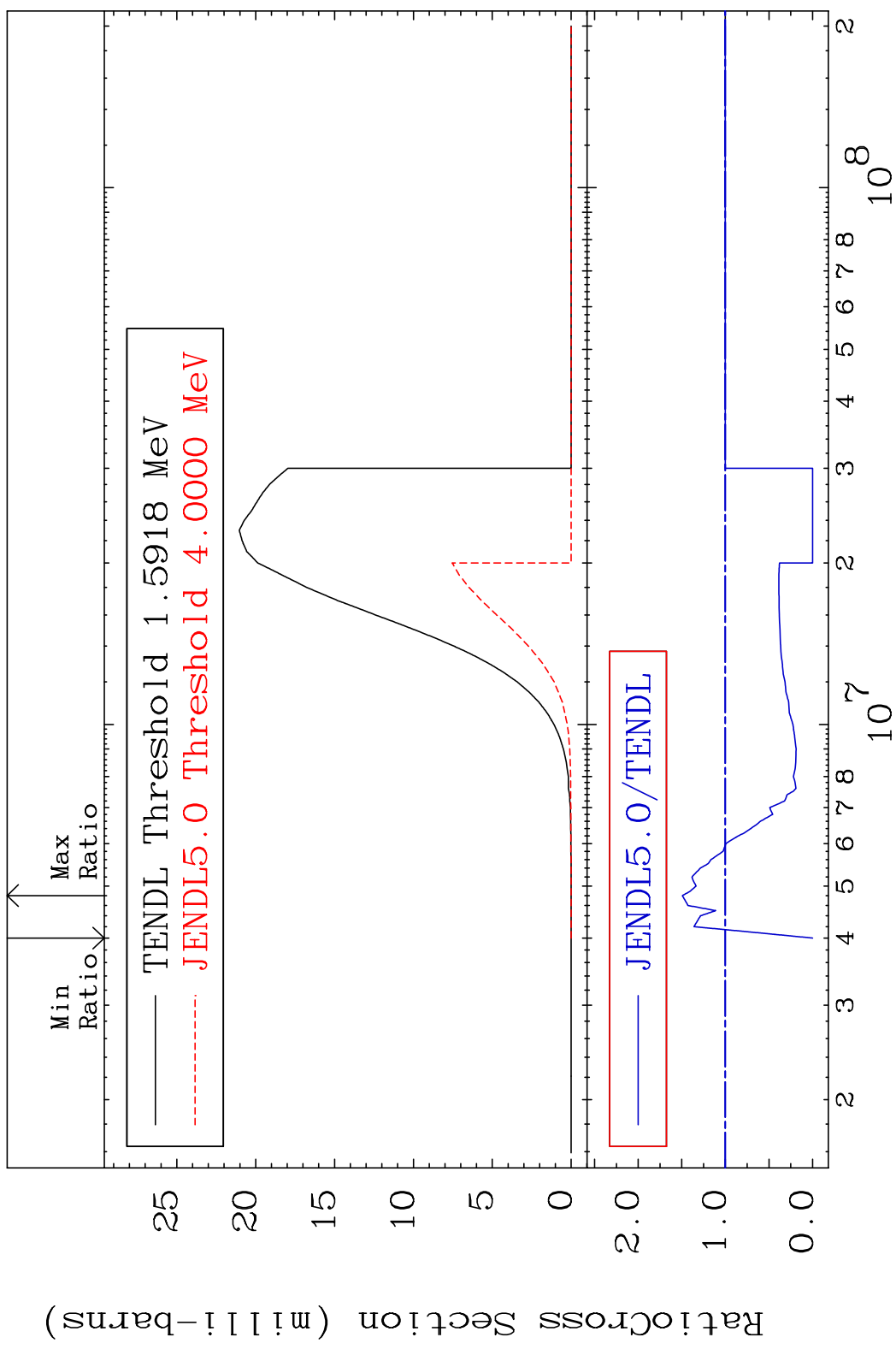
51-Sb-125

MAT 5137

(n,p)

51-Sb-125

Cross Section -100.0 To 49.33 %

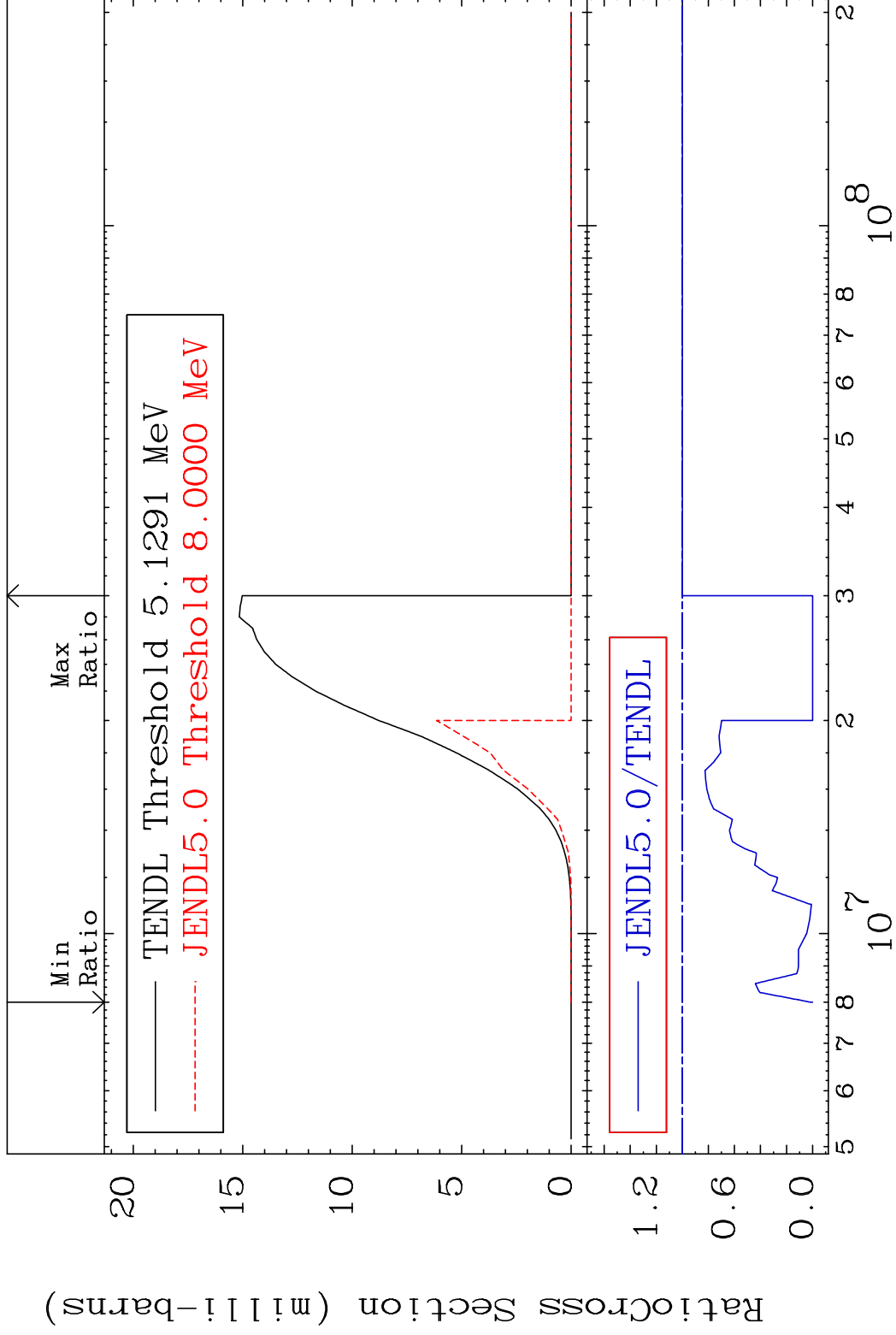


MAT 5137

(n, d)

51-Sb-125

Cross Section -100.0 To 0.000 %



42

Incident Energy (eV)

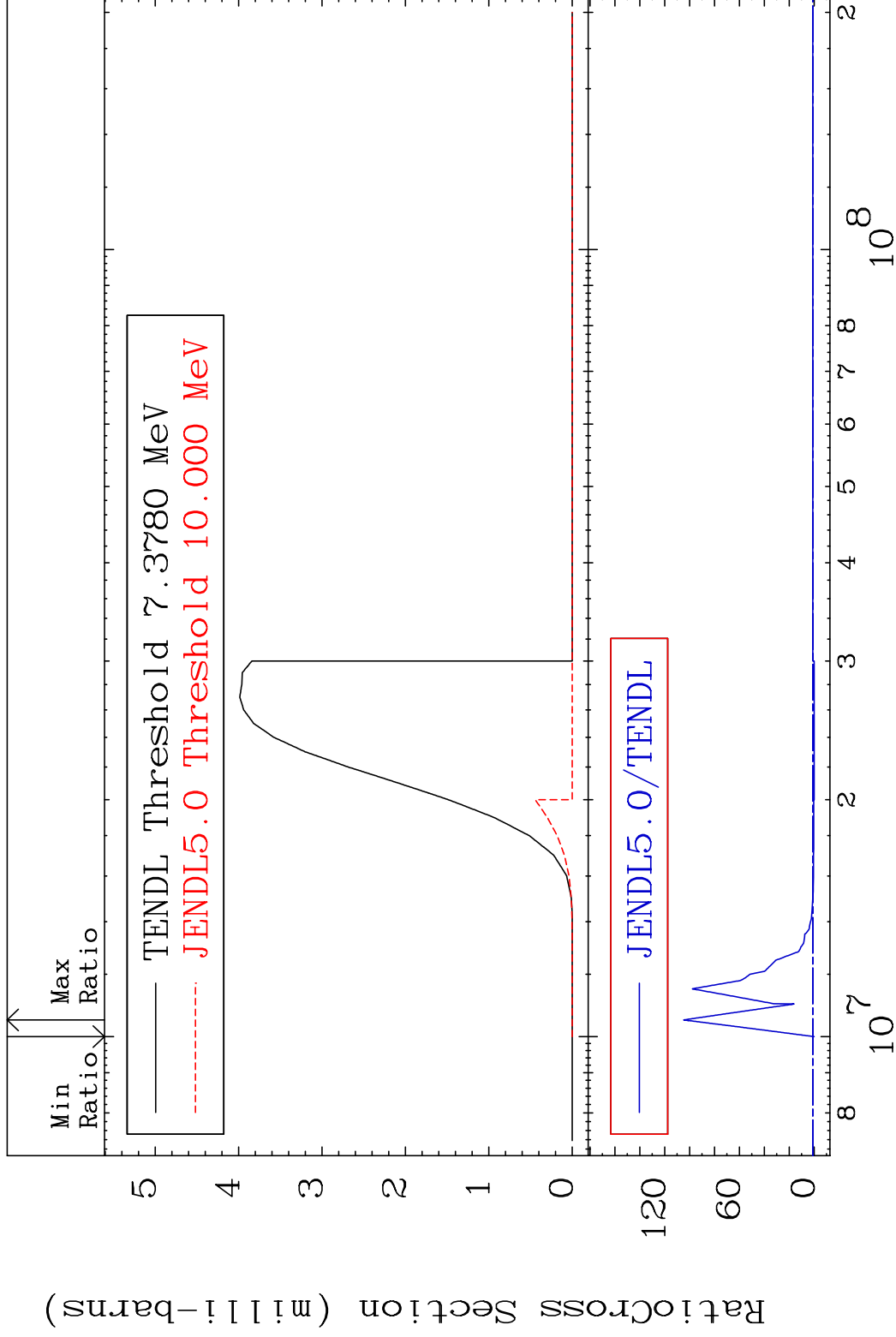
51-Sb-125

MAT 5137

(n, t)

51-Sb-125

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

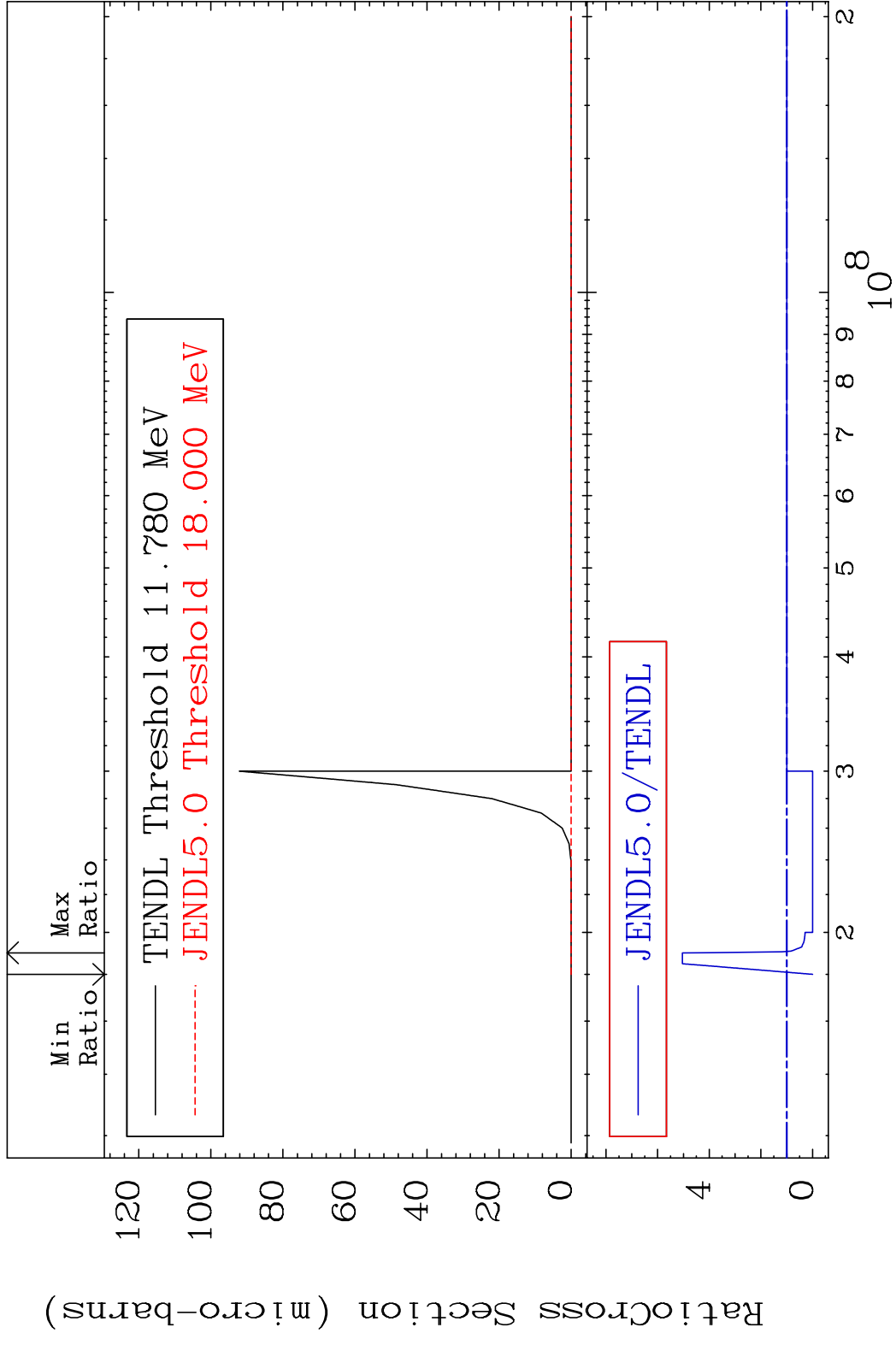
51-Sb-125

MAT 5137

(n, He-3)

51-Sb-125

Cross Section -100.0 To 404.2 %

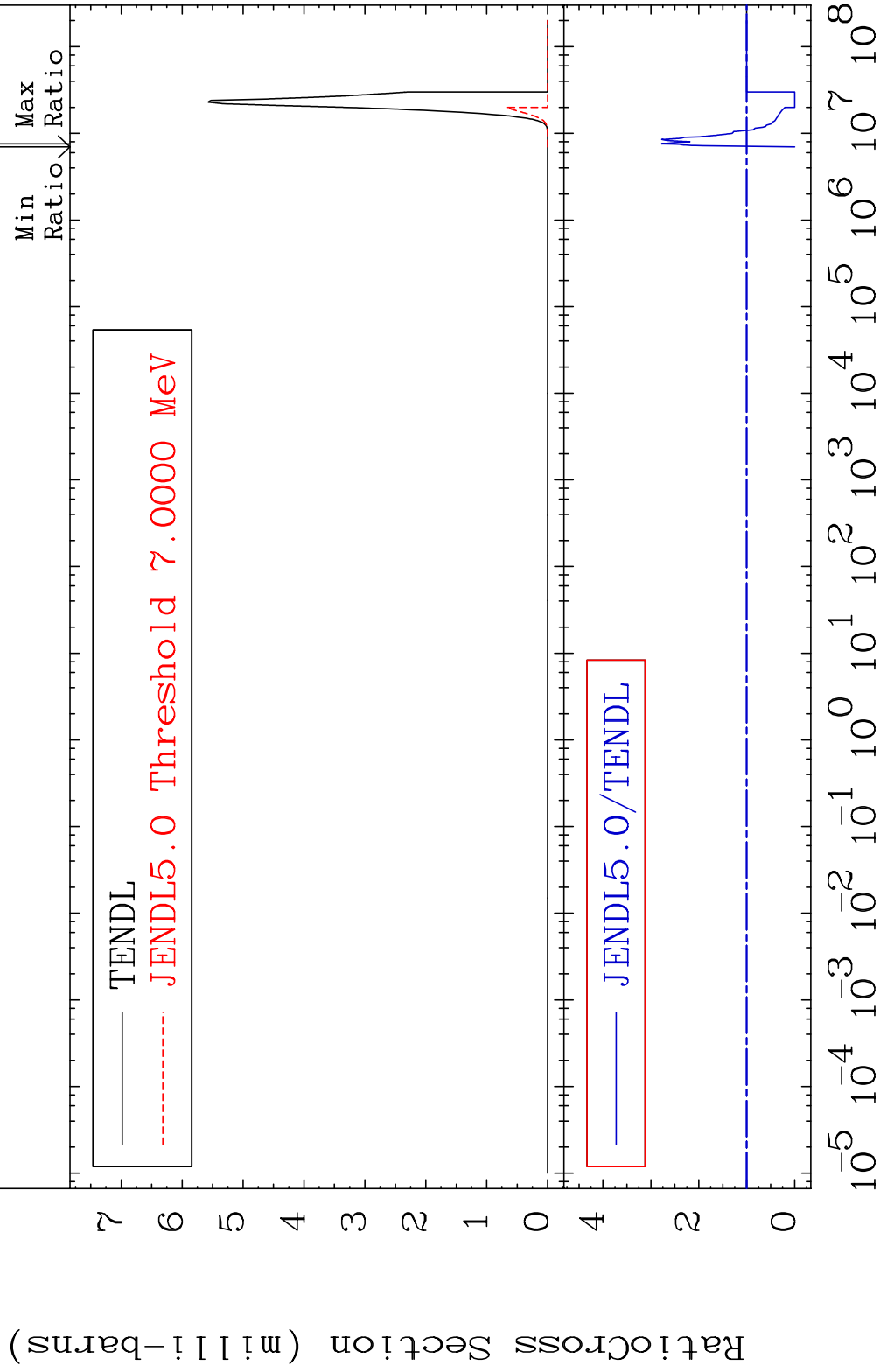


MAT 5137

(n, α)

51-Sb-125

Cross Section -100.0 To 178.0 %



45

Incident Energy (eV)

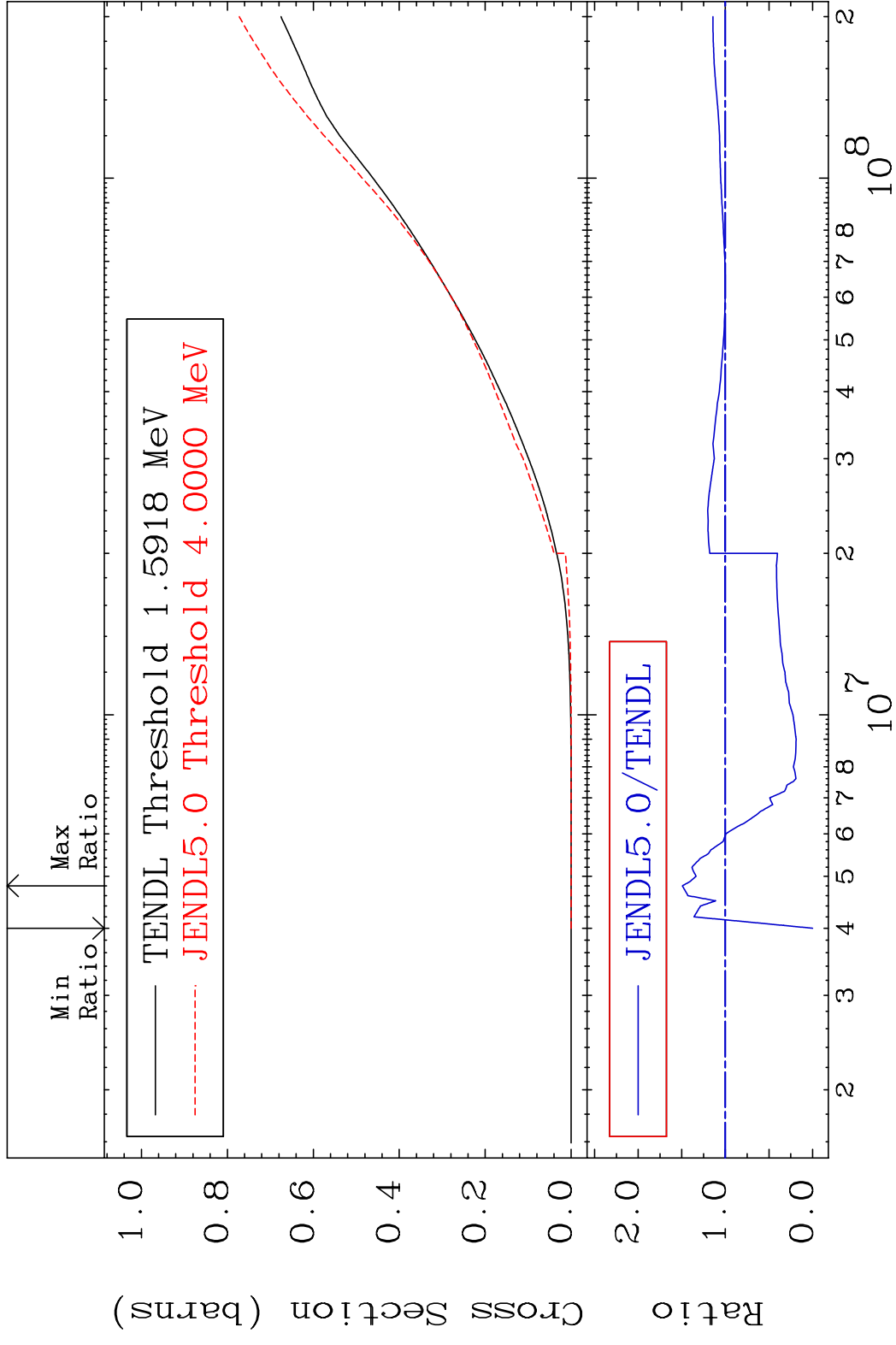
51-Sb-125

MAT 5137

Hydrogen Production

51-Sb-125

Cross Section -100.0 To 49.33 %

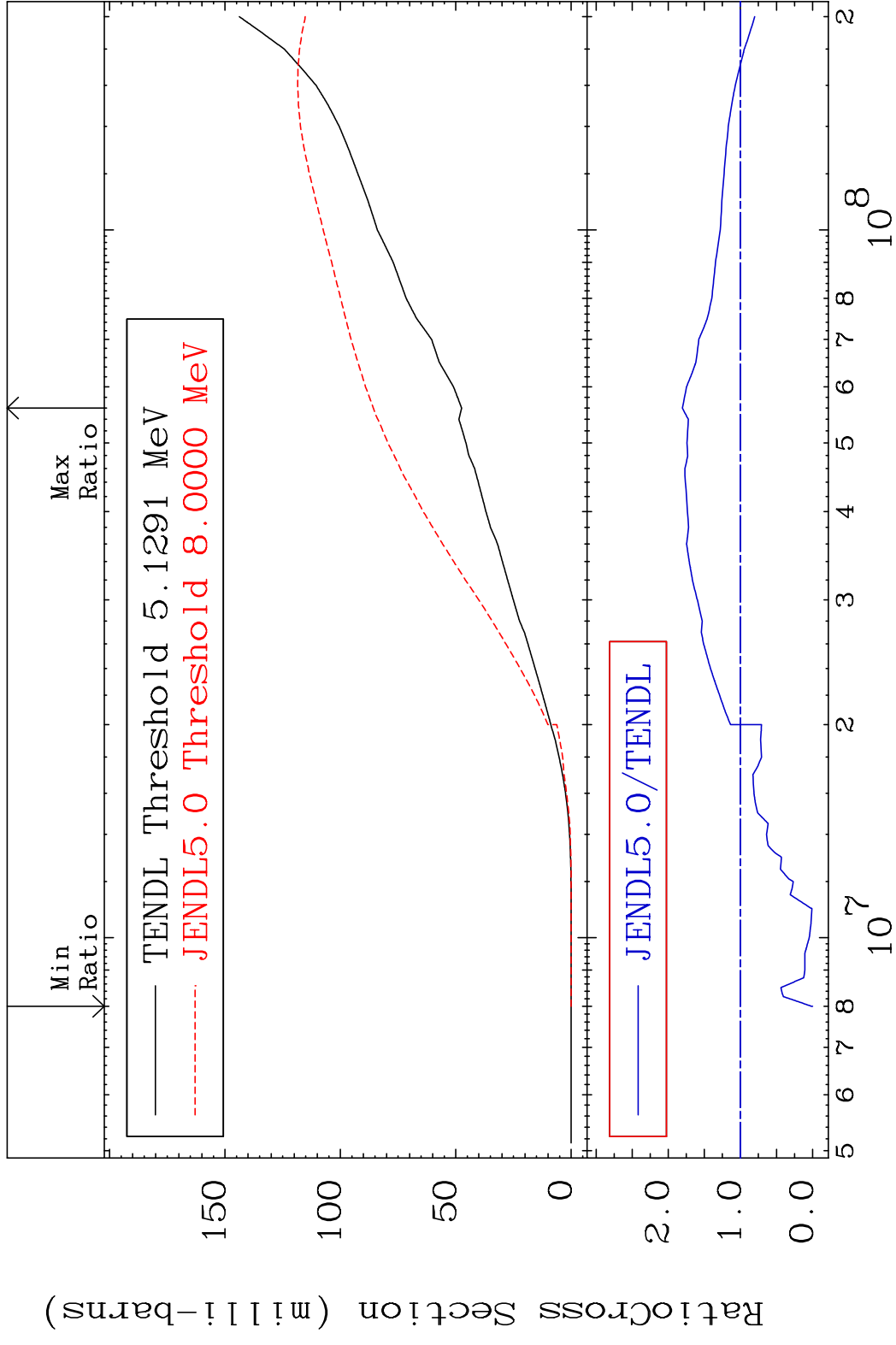


MAT 5137

Deuterium Production

51-Sb-125

Cross Section -100.0 To 80.46 %



47

Incident Energy (eV)

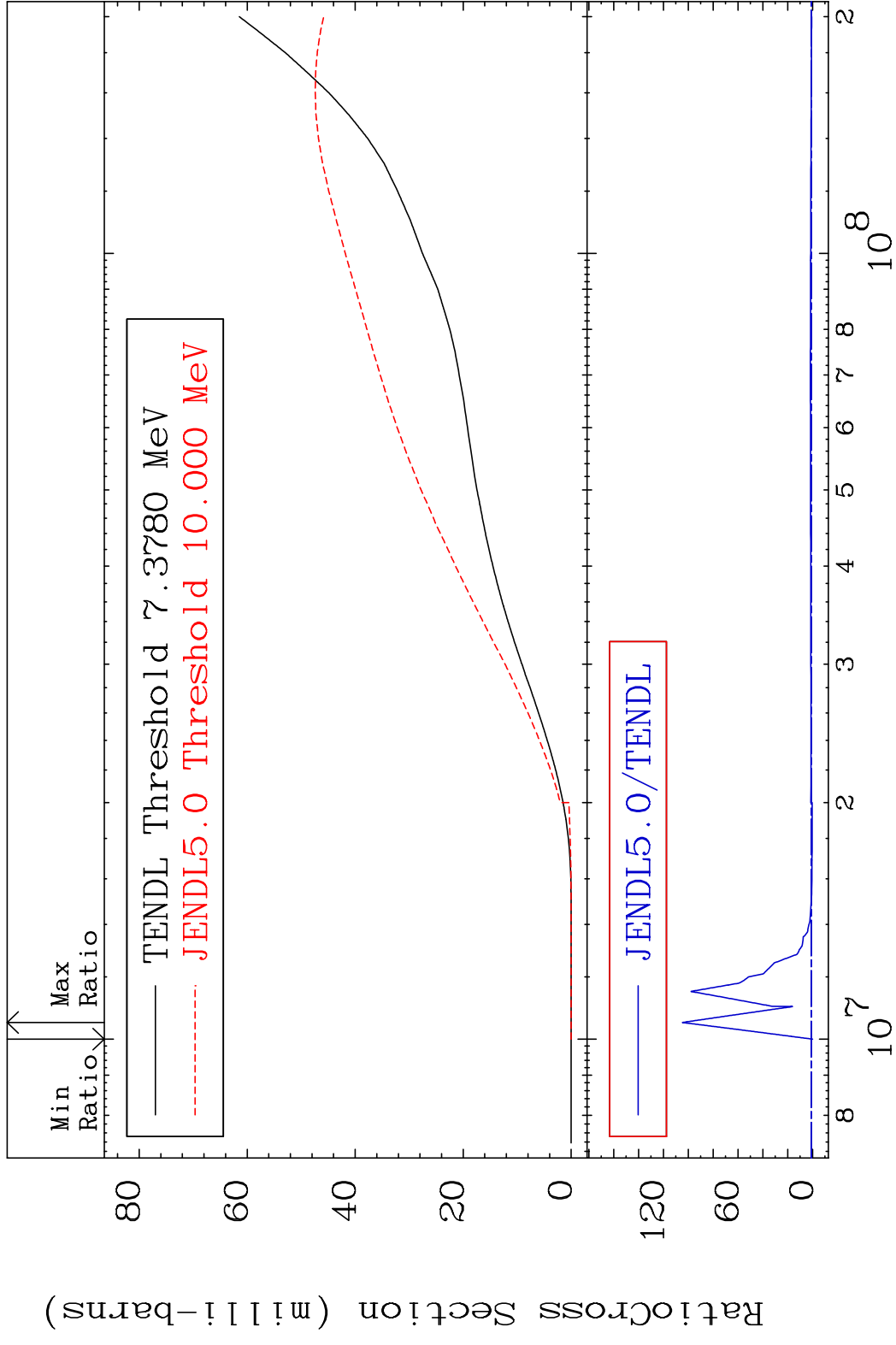
51-Sb-125

MAT 5137

Tritium Production

51-Sb-125

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

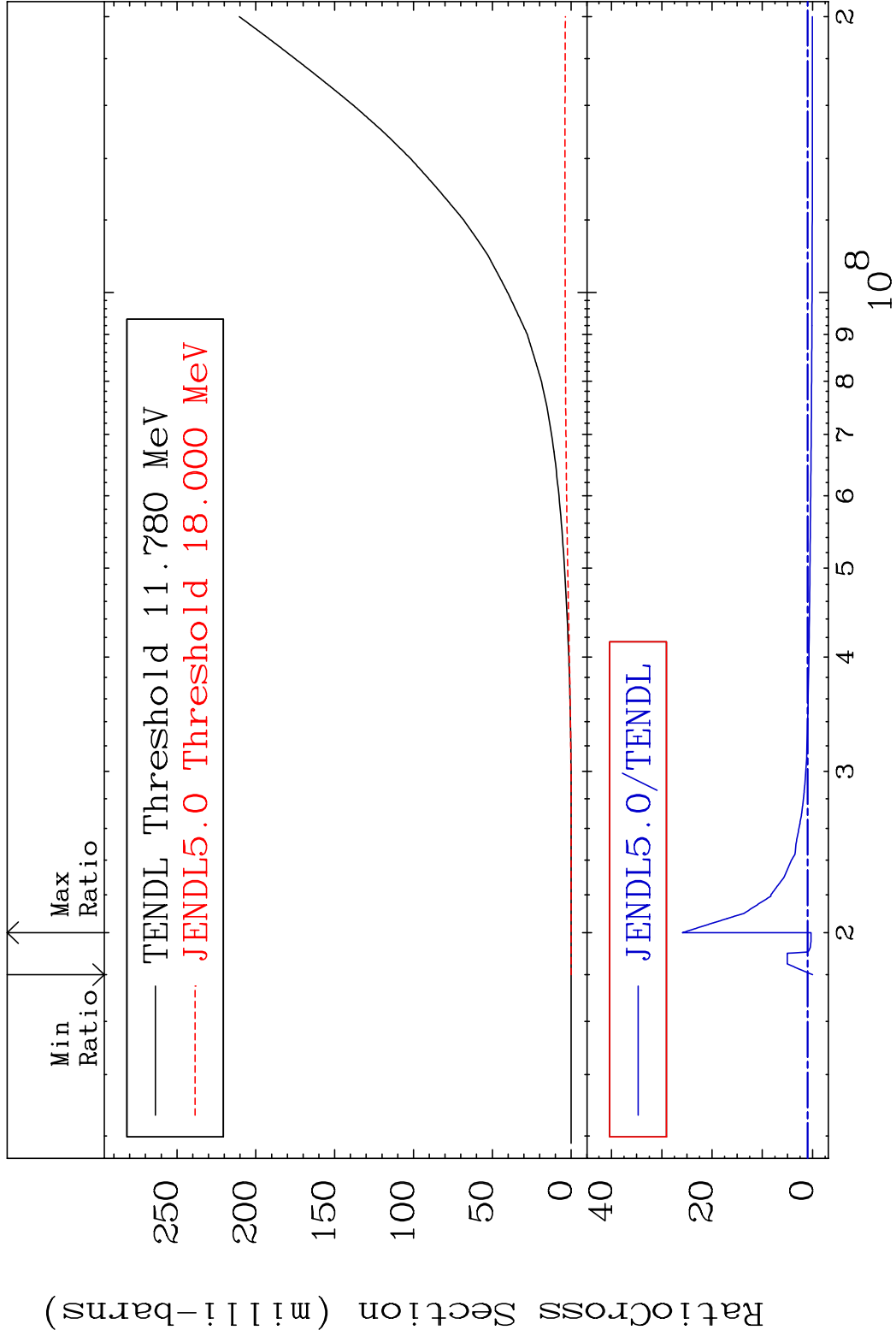
51-Sb-125

MAT 5137

He-3 Production

51-Sb-125

Cross Section -100.0 To 2491. %



49

Incident Energy (eV)

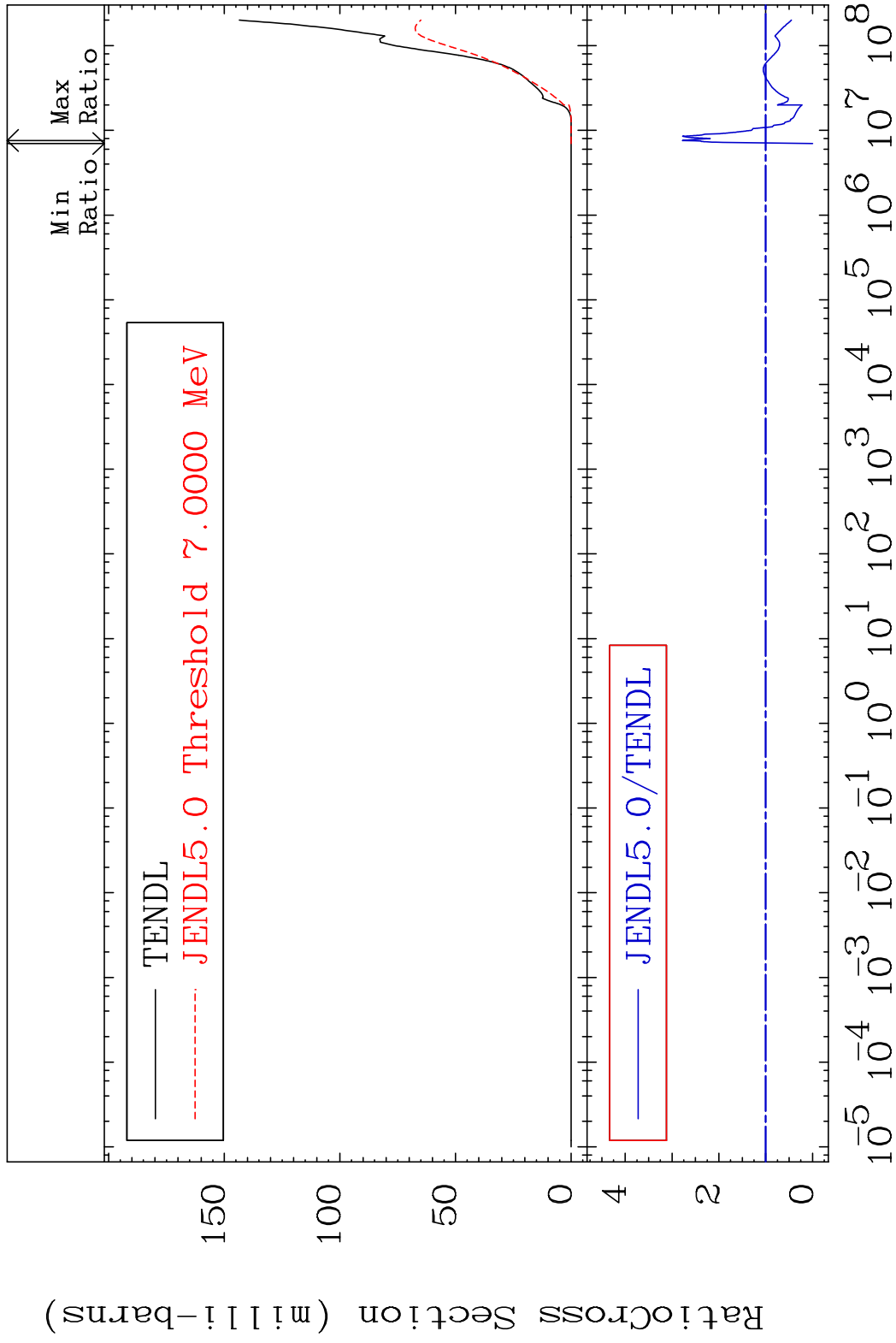
51-Sb-125

MAT 5137

He-4 Production

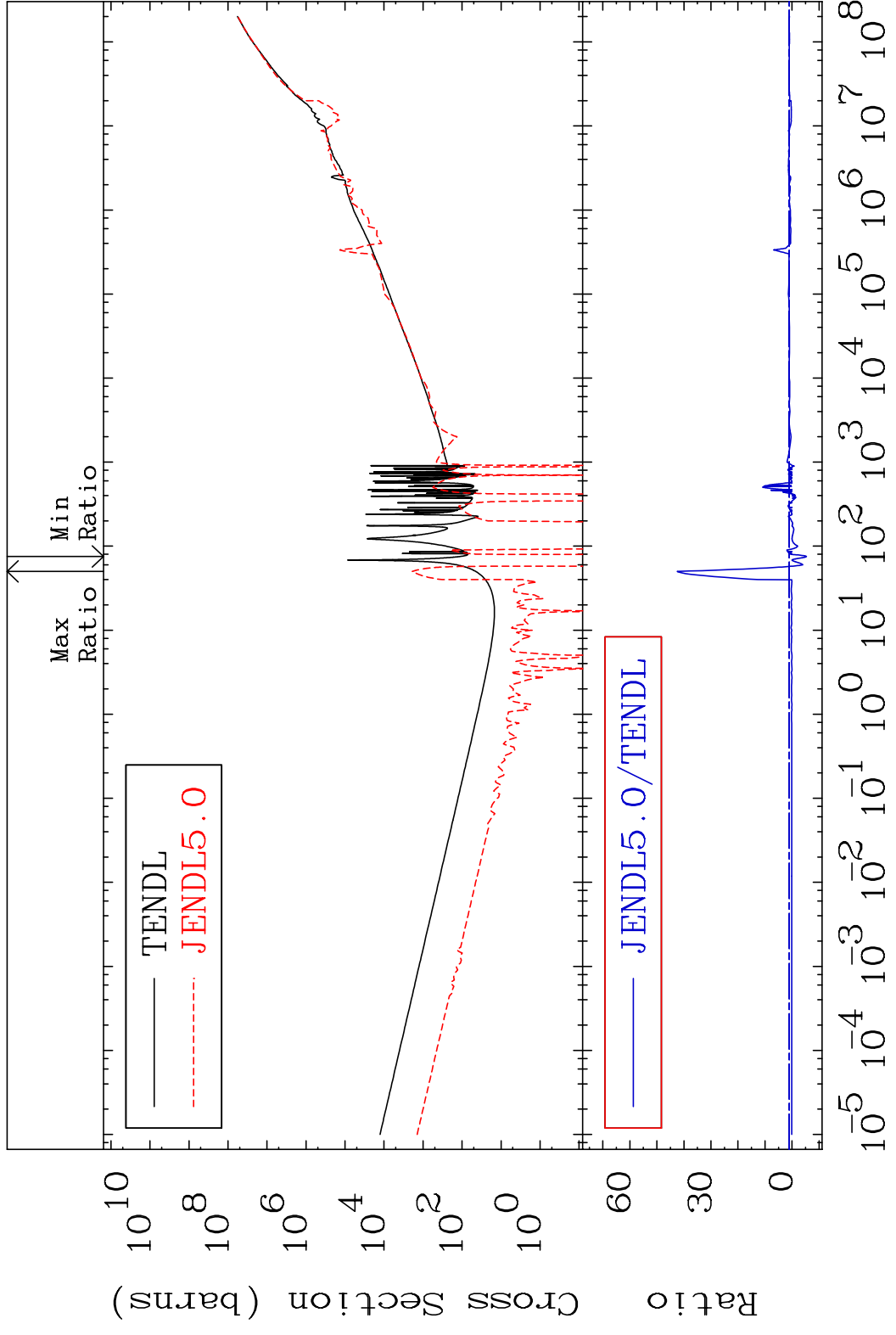
51-Sb-125

Cross Section -100.0 To 178.0 %



MAT 5137

Kerma total (eV-barns) 51-Sb-125
Cross Section -632.0 To 4149. %



51

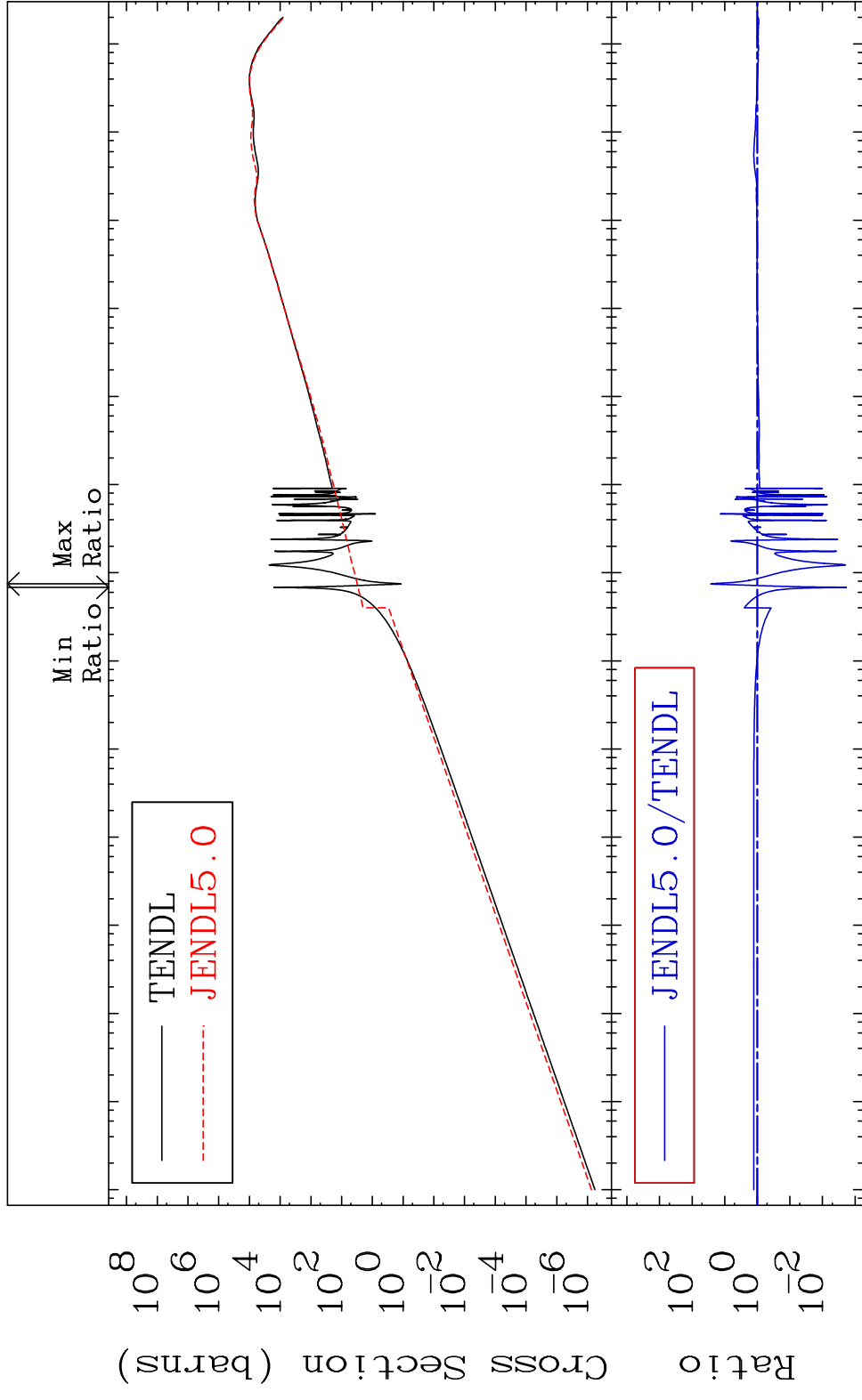
Incident Energy (eV)

51-Sb-125

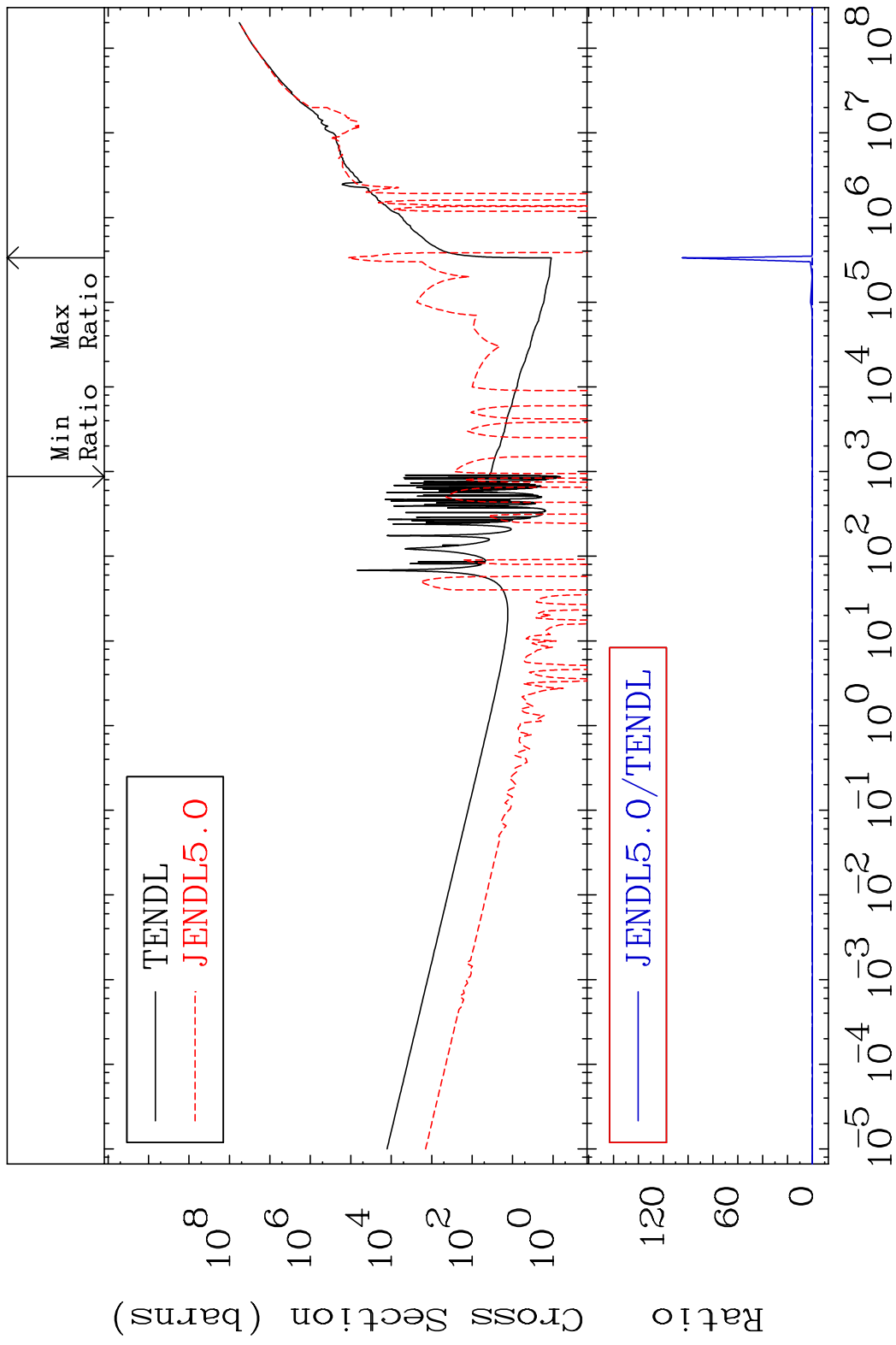
MAT 5137

Kerma elastic
Cross Section

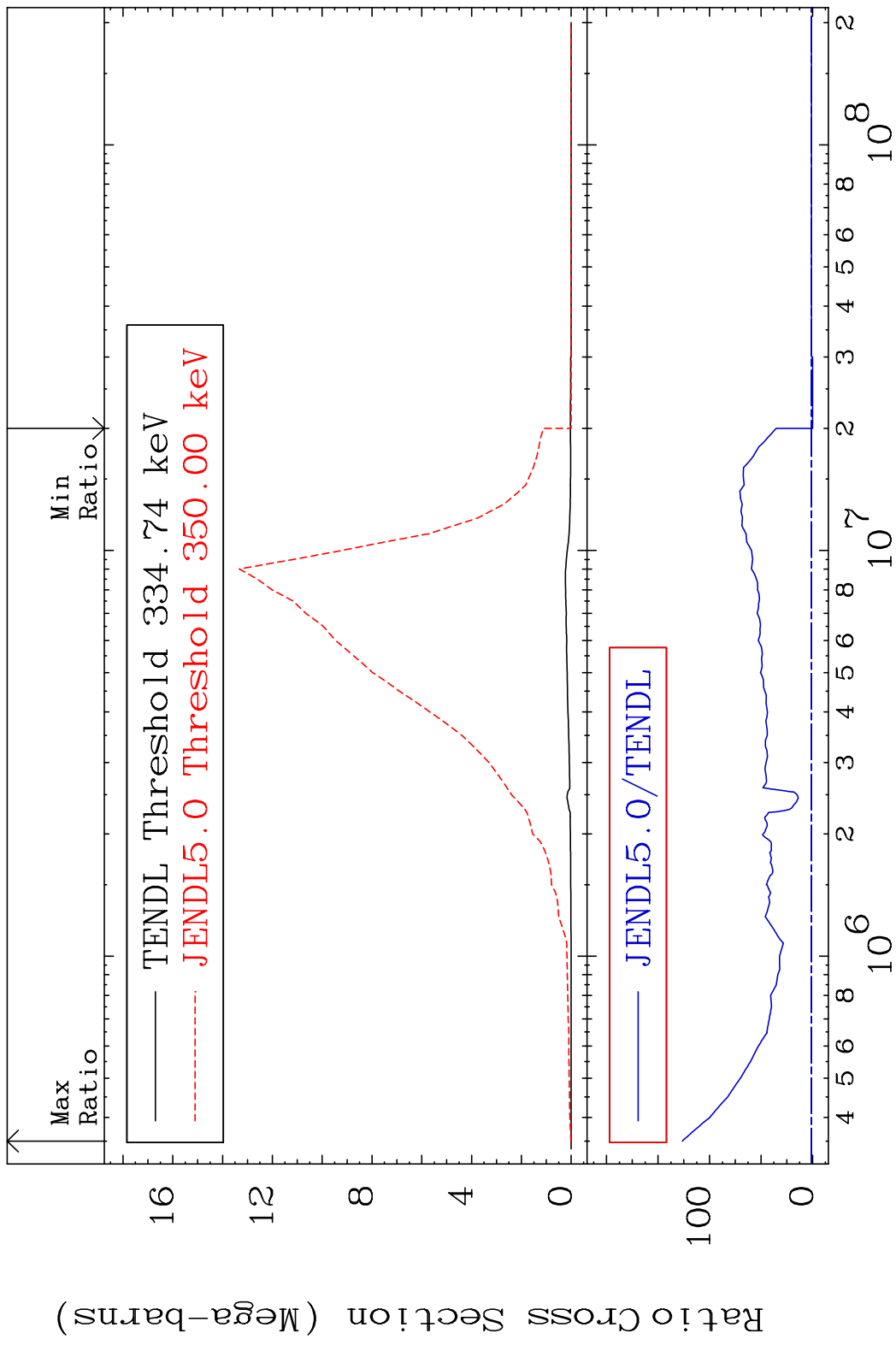
51-Sb-125
-99.81 To 2593. %



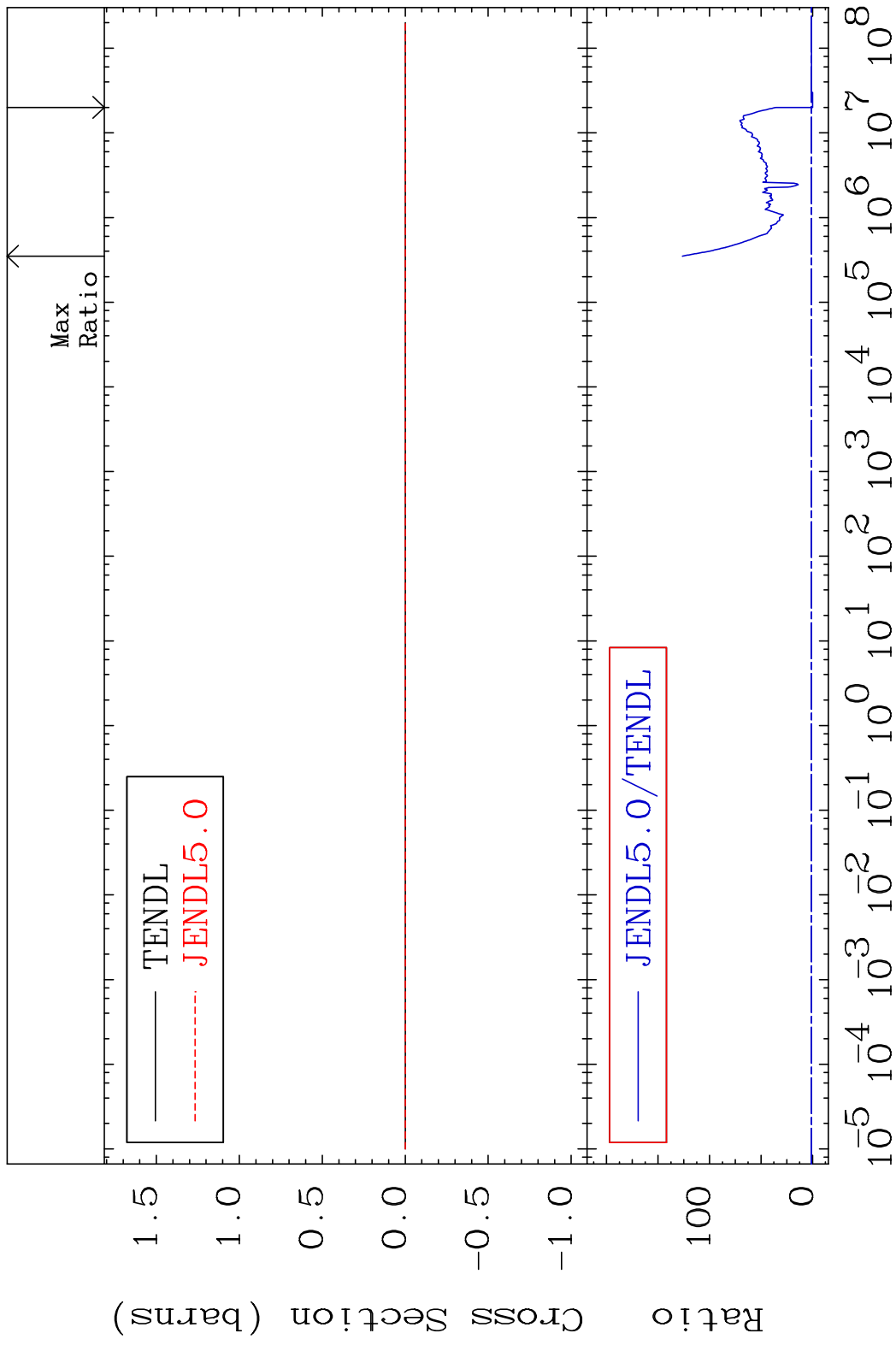
MAT 5137 Kerma non-elastic (all but mt2) 51-Sb-125
 Cross Section -9999. To 9999. %

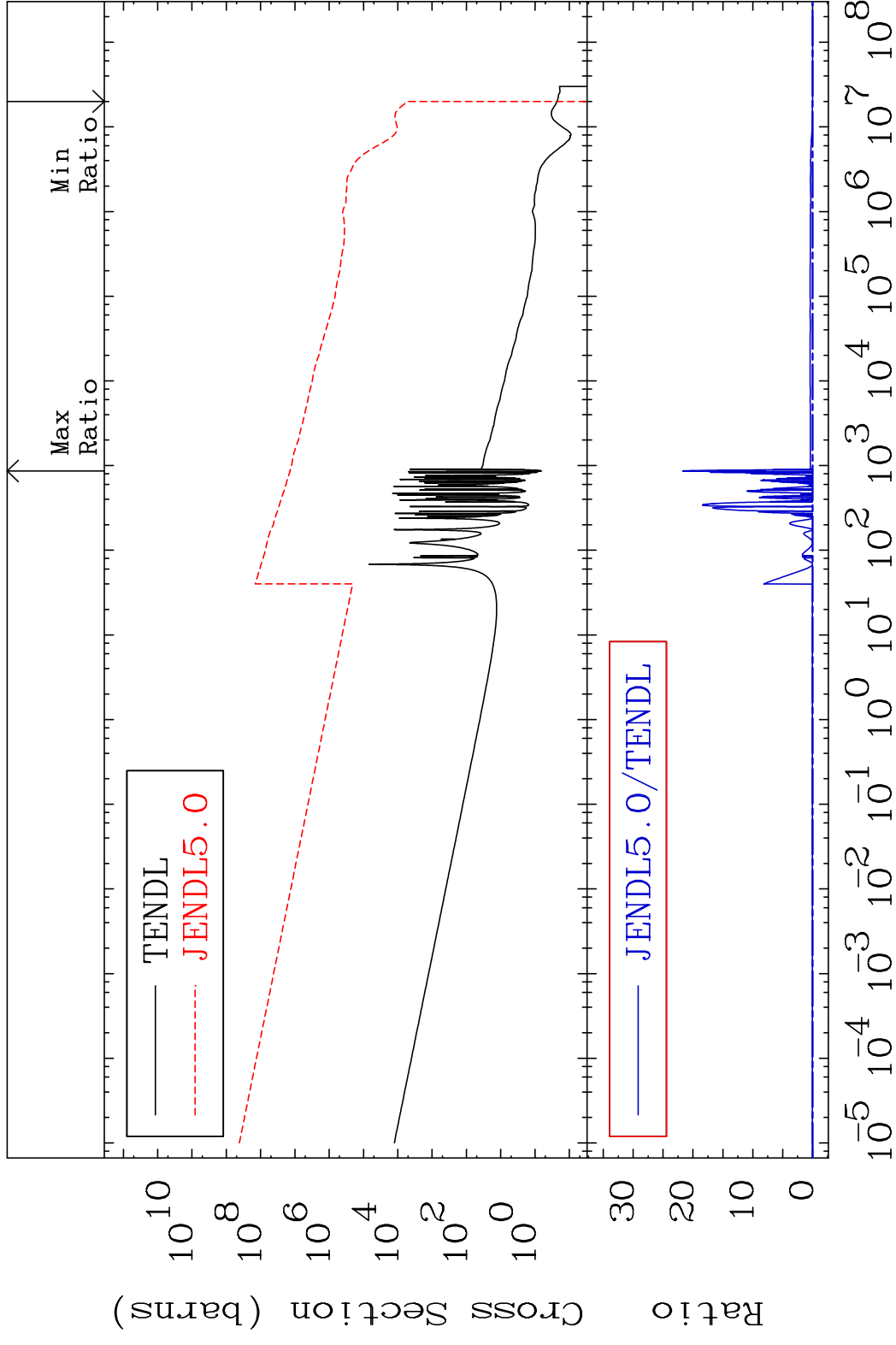


MAT 5137 Kerma inelastic (mt51-91) 51-Sb-125
 Cross Section -100.0 To 9999. %



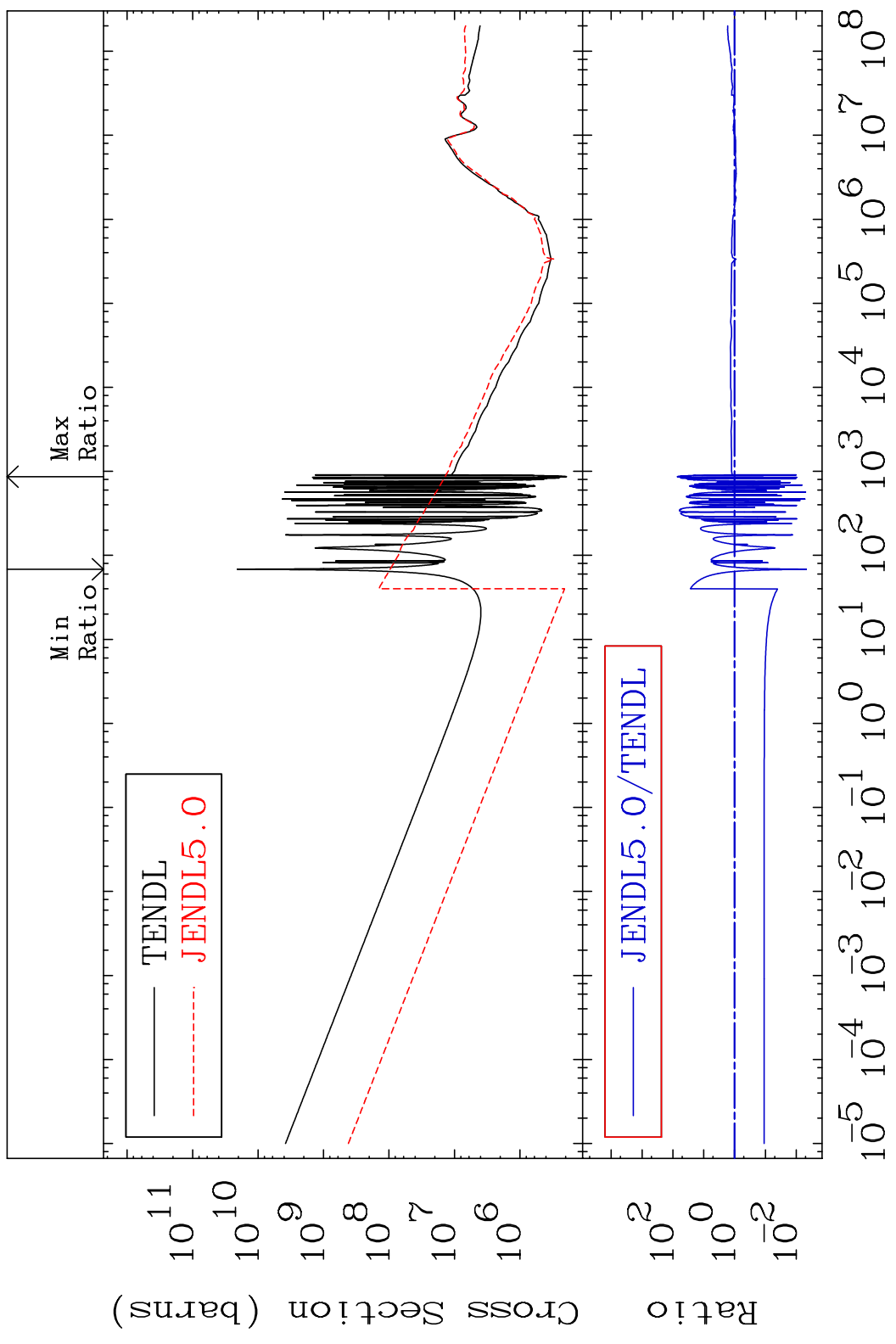
MAT 5137 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-125
 Cross Section -100.0 To 9999. %





MAT 5137

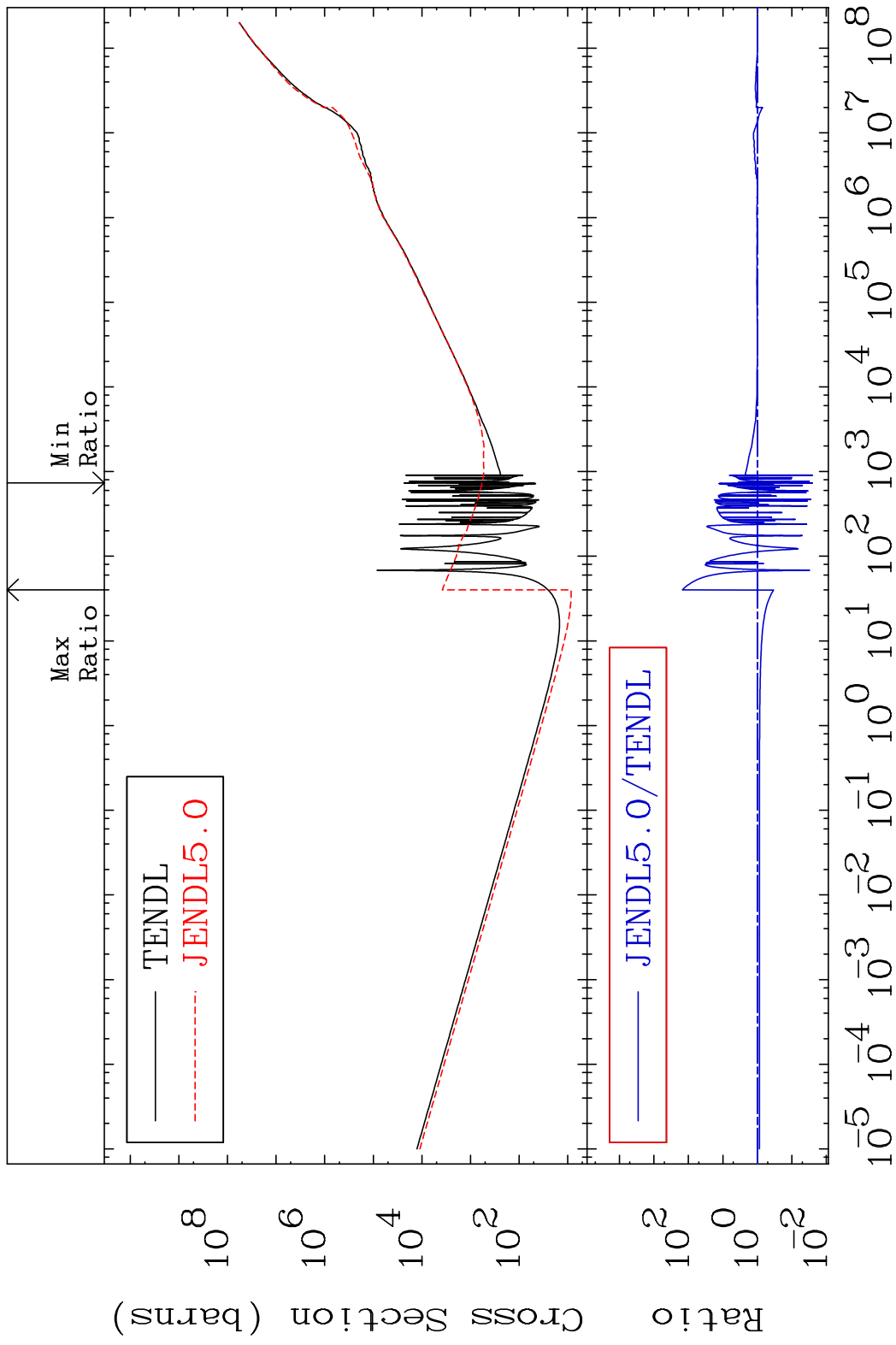
Total photon (eV-barns) 51-Sb-125
Cross Section -99.53 To 7145. %



57

Incident Energy (eV) 51-Sb-125

MAT 5137 Total kinematic kerma (high limit) 51-Sb-125
 Cross Section -97.49 To 9999. %

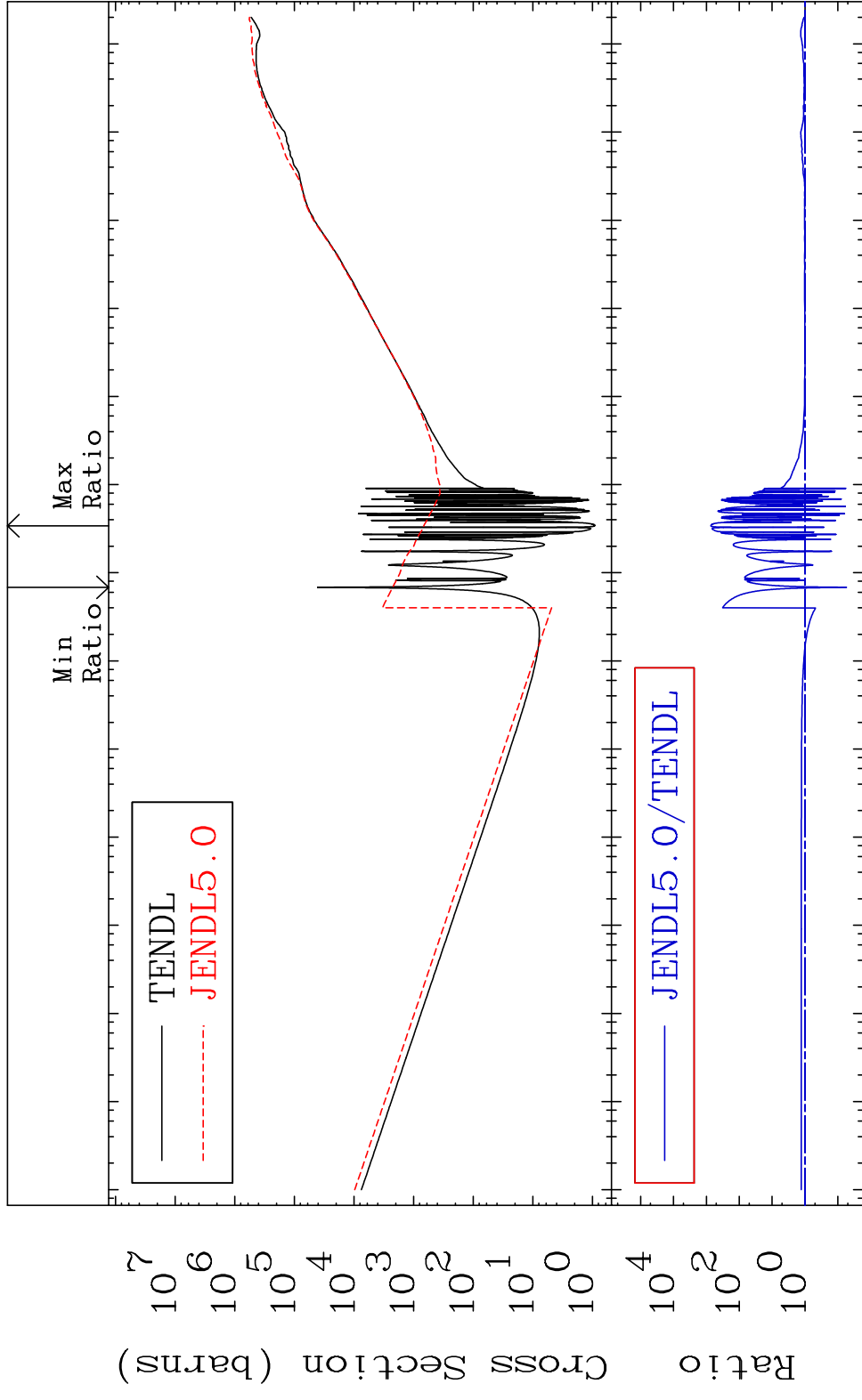


MAT 5137

Dpa total (eV-barns)

51-Sb-125

Cross Section -94.46 To 9999. %



59

Incident Energy (eV)

51-Sb-125

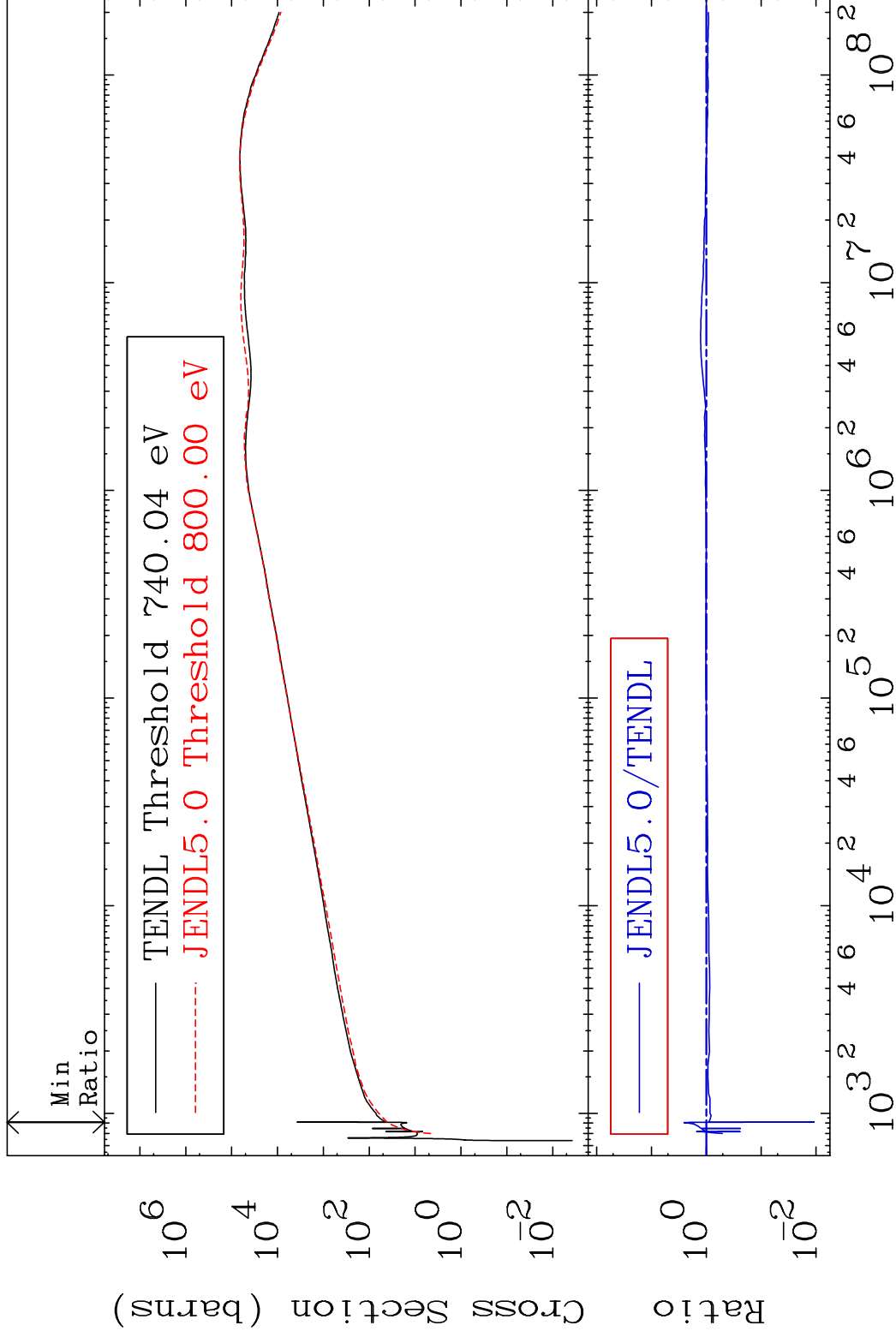
MAT 5137

Dpa elastic (mt2)

51-Sb-125

Cross Section

-98.92 To 159.3 %



60

Incident Energy (eV)

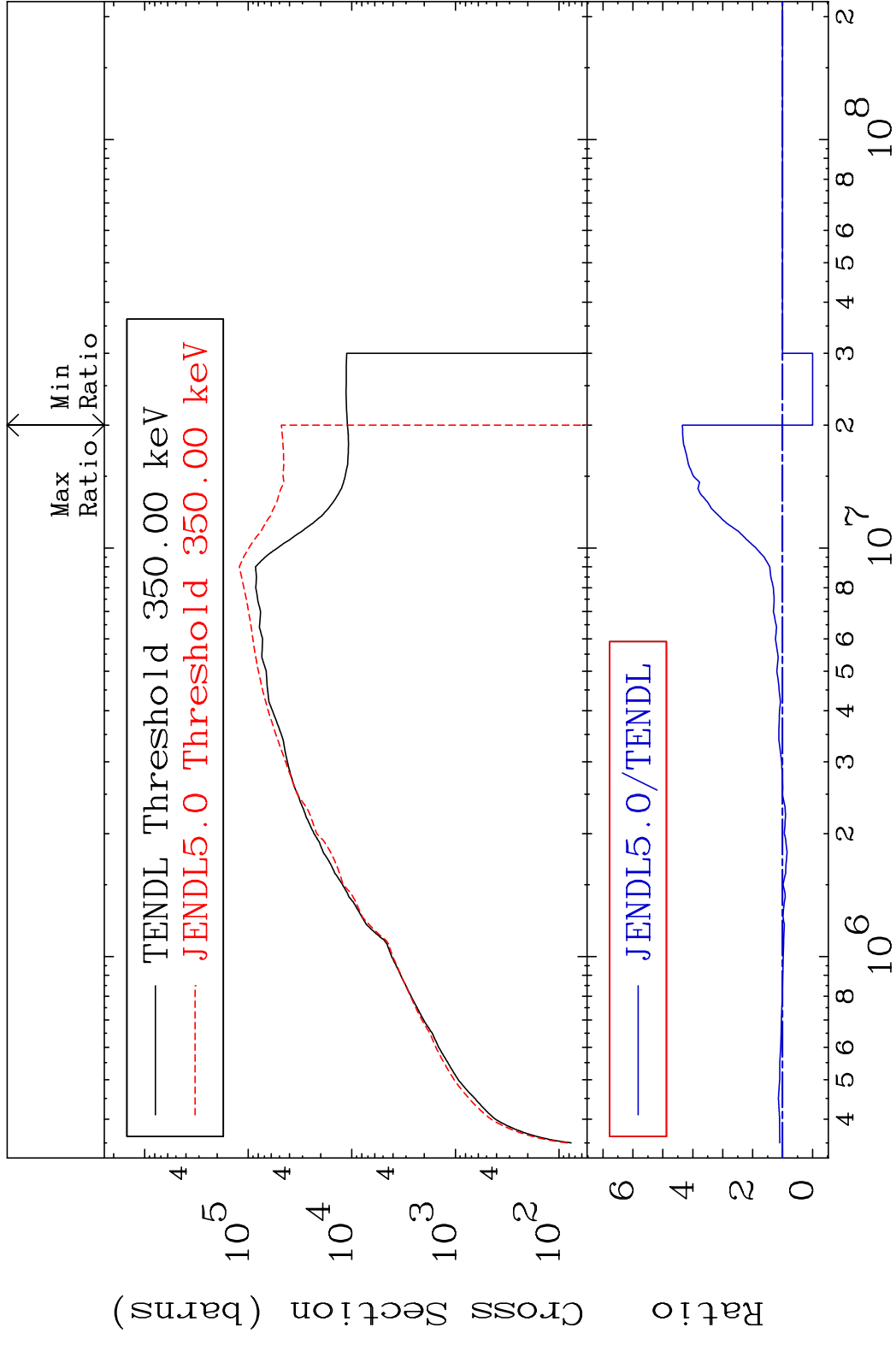
51-Sb-125

MAT 5137

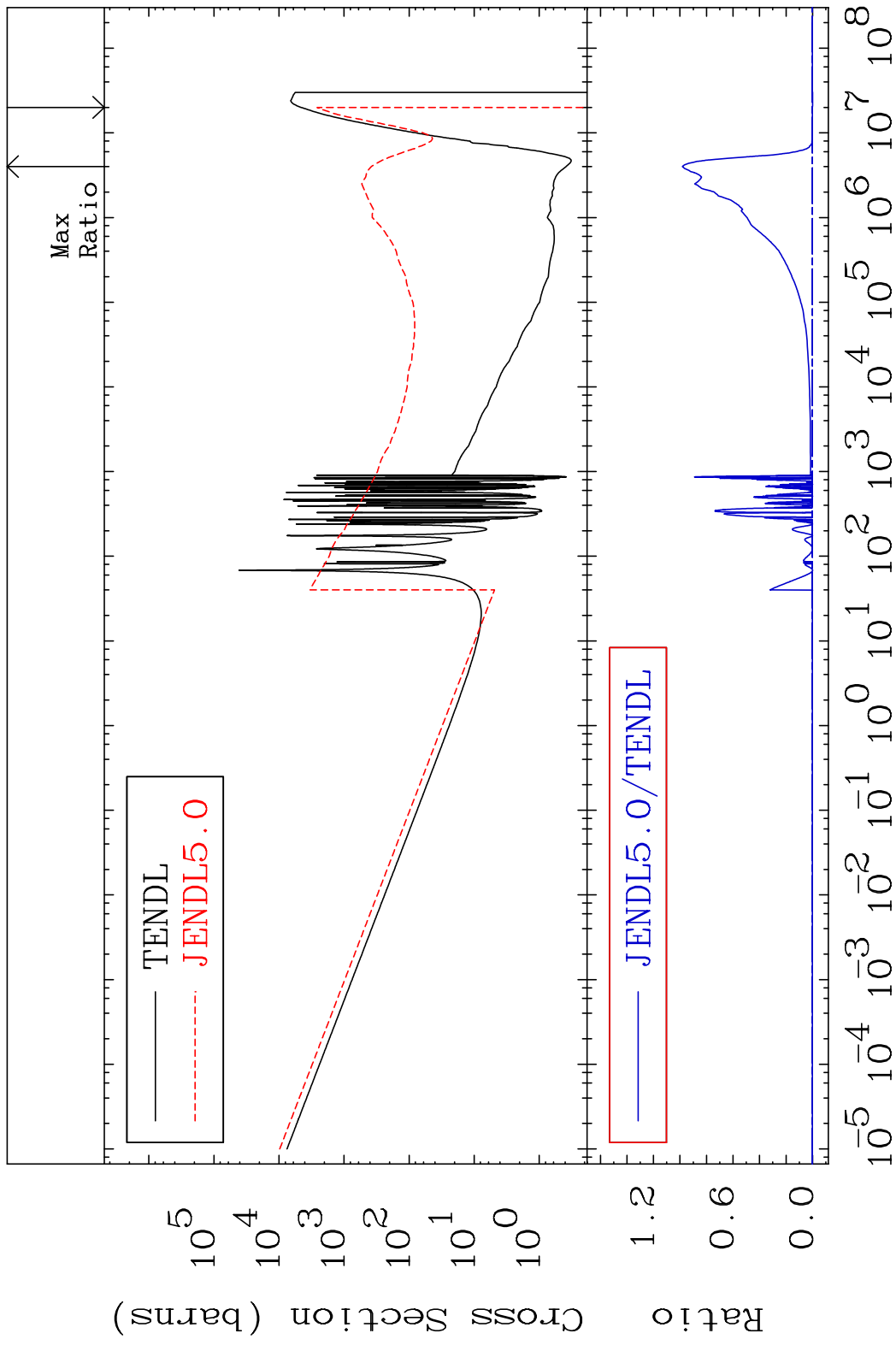
Dpa inelastic (mt51-91)

51-Sb-125

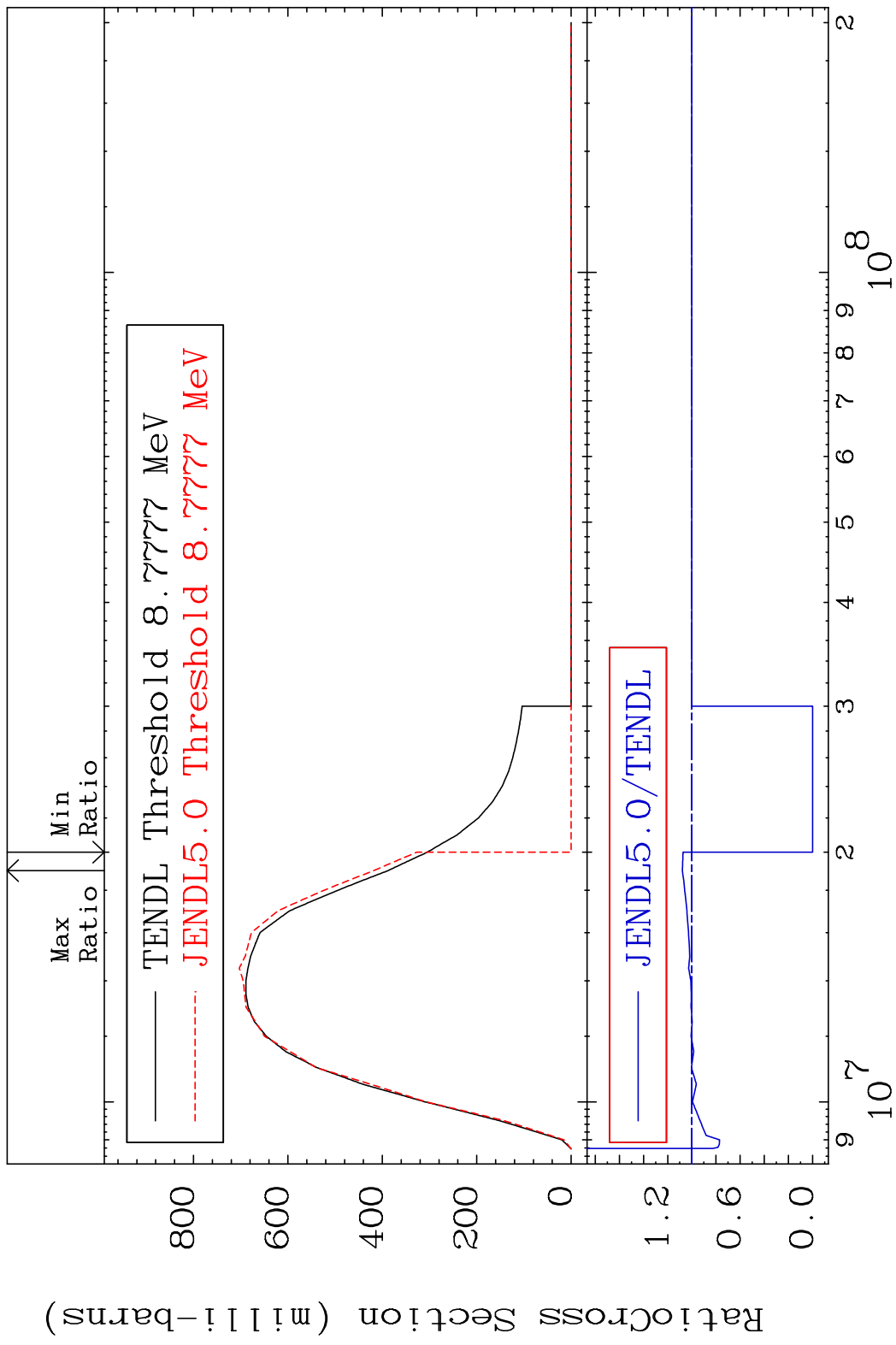
Cross Section -100.0 To 334.8 %



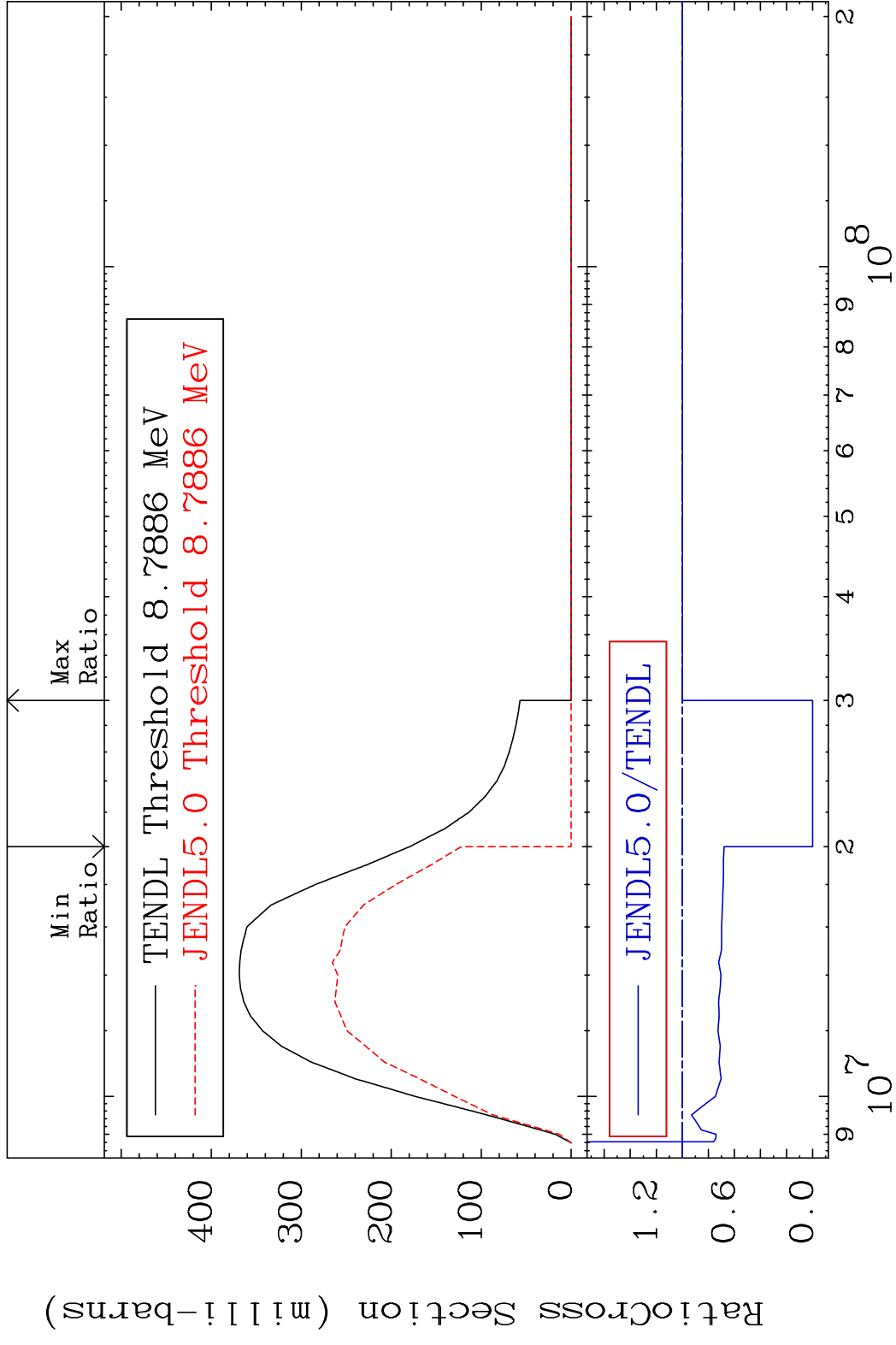
MAT 5137 Dpa disappearance (mt102 -120) 51-Sb-125
 Cross Section -100.0 To 9999. %



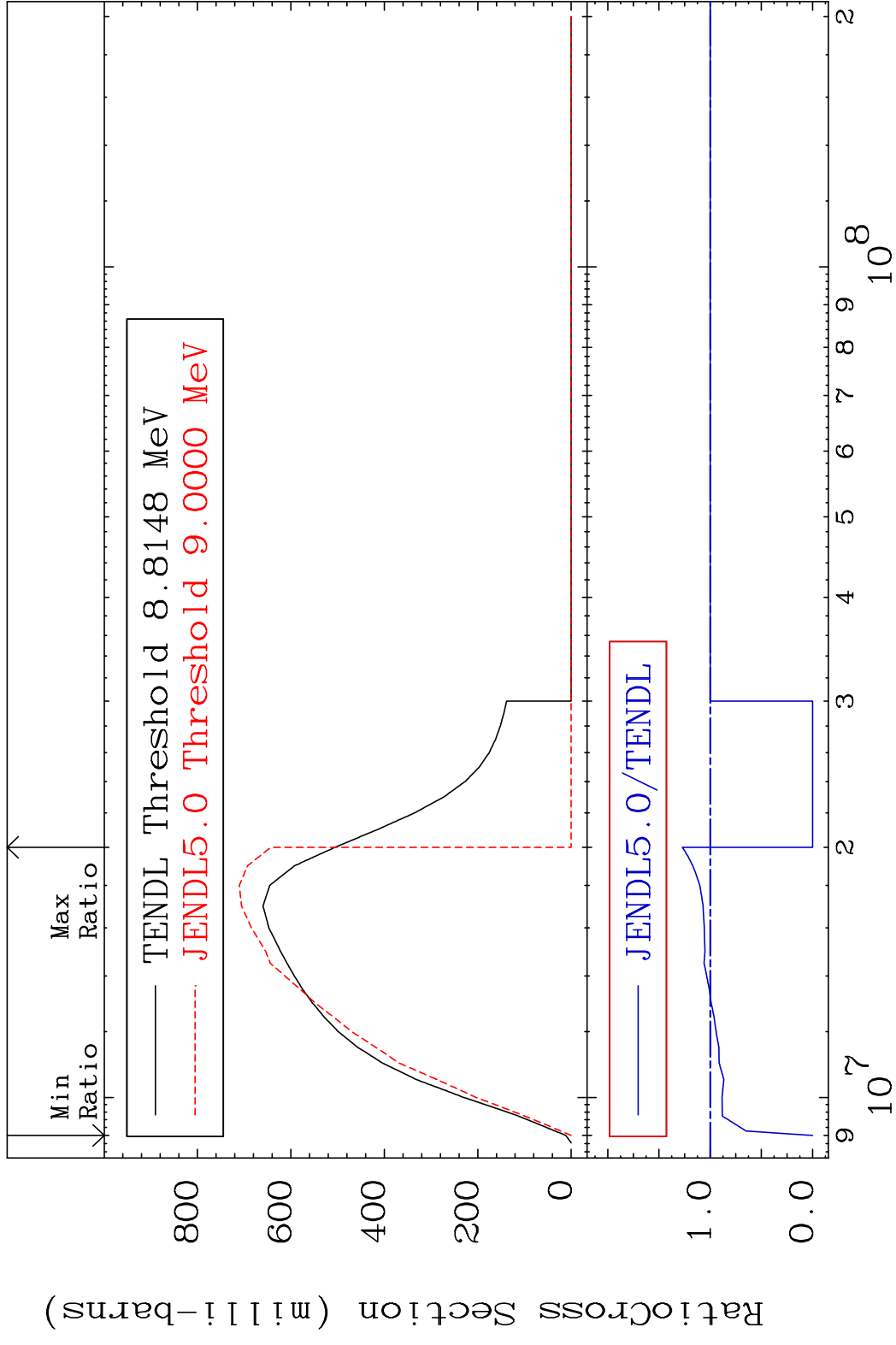
MAT 5137 (n,2n):51-Sb-124g 51-Sb-125
 Radionuclide Production Cross Section Ratio 7.849 %



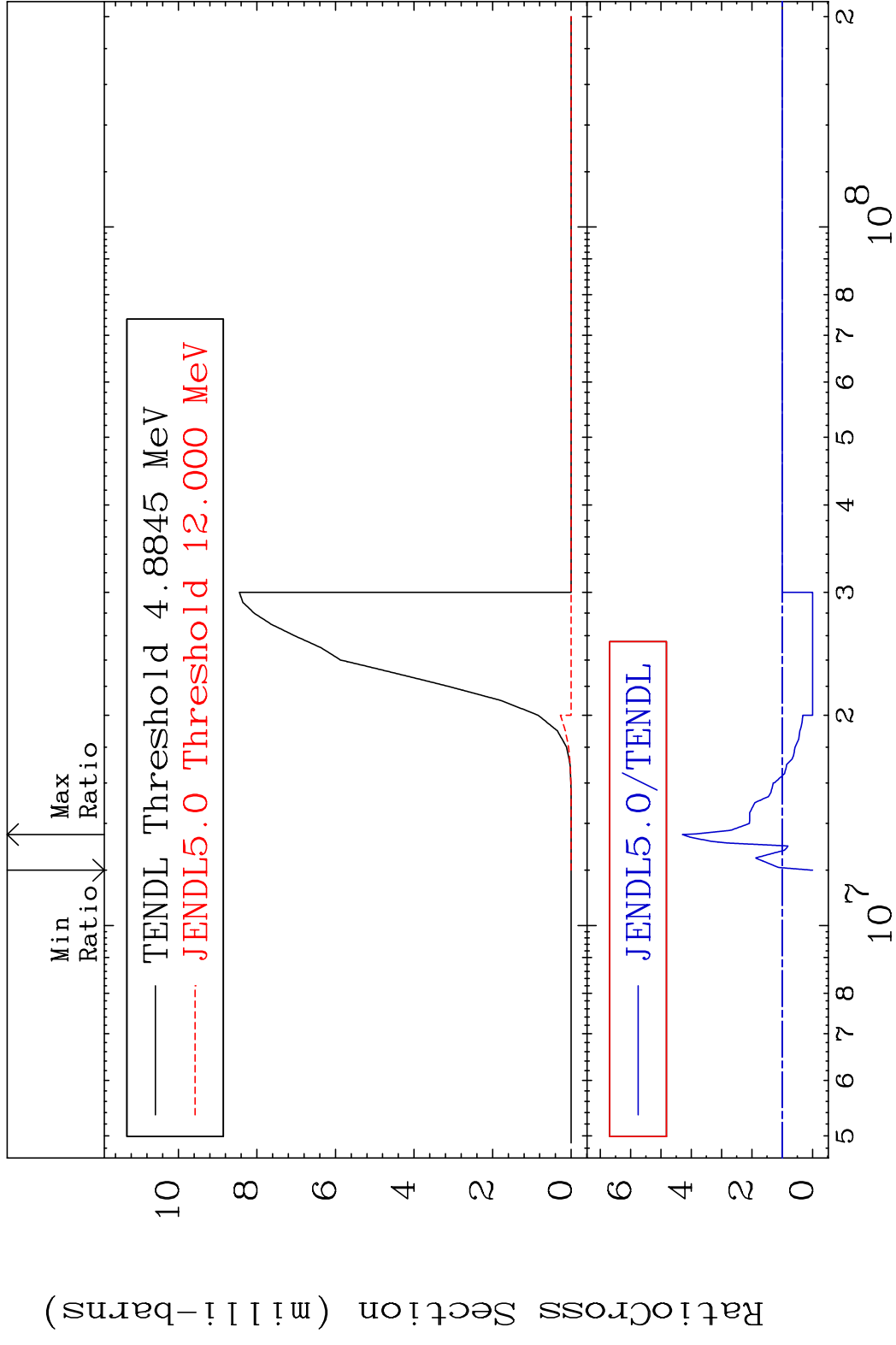
MAT 5137 (n, 2n):51-Sb-124m1 51-Sb-125
 Radionuclide Production Cross Section 180.0 dth 0.000 %

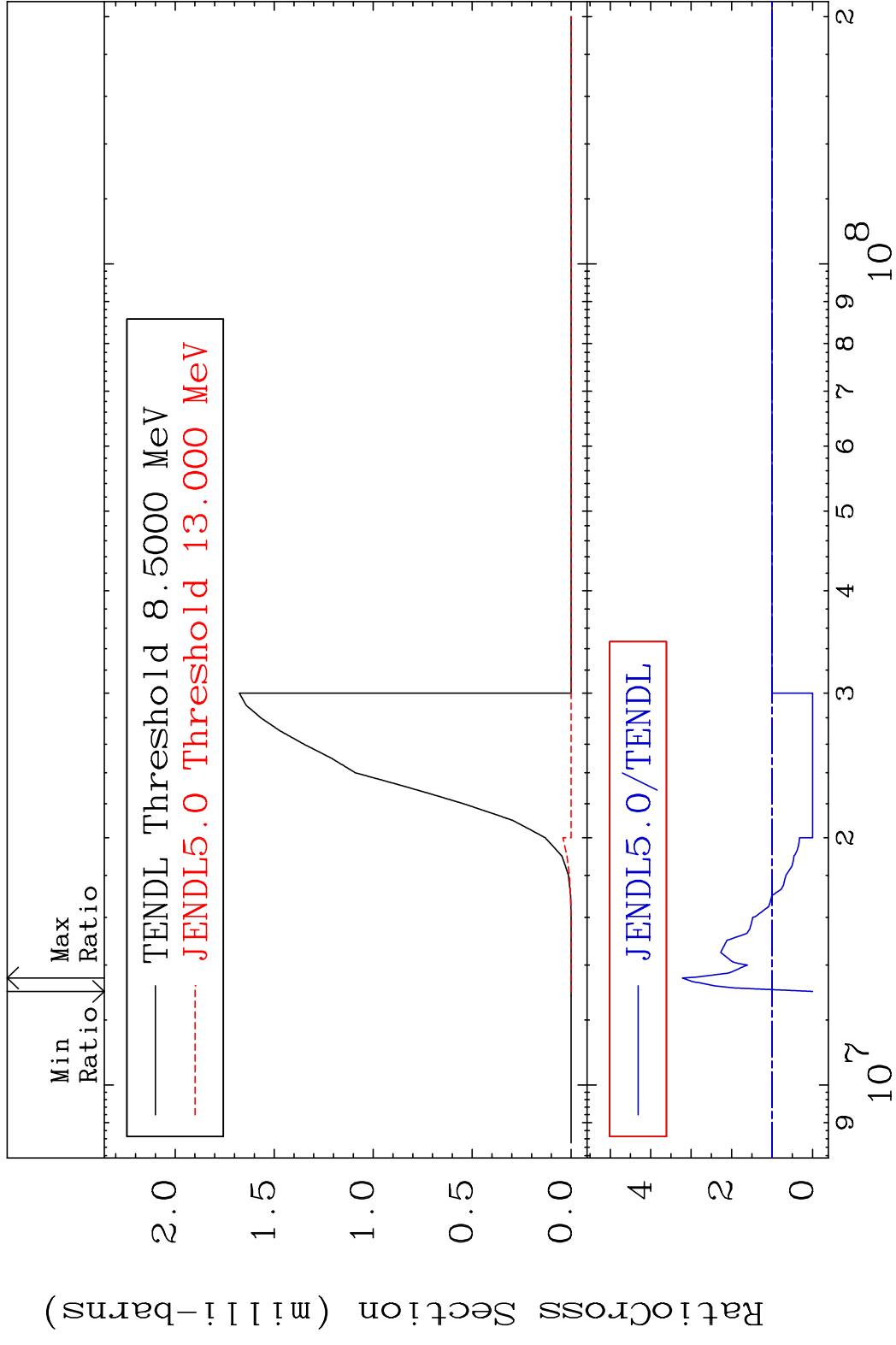


MAT 5137 (n,2n):51-Sb-124m2 51-Sb-125
 Radionuclide Production Cross Section 180.01 dth 27.16 %

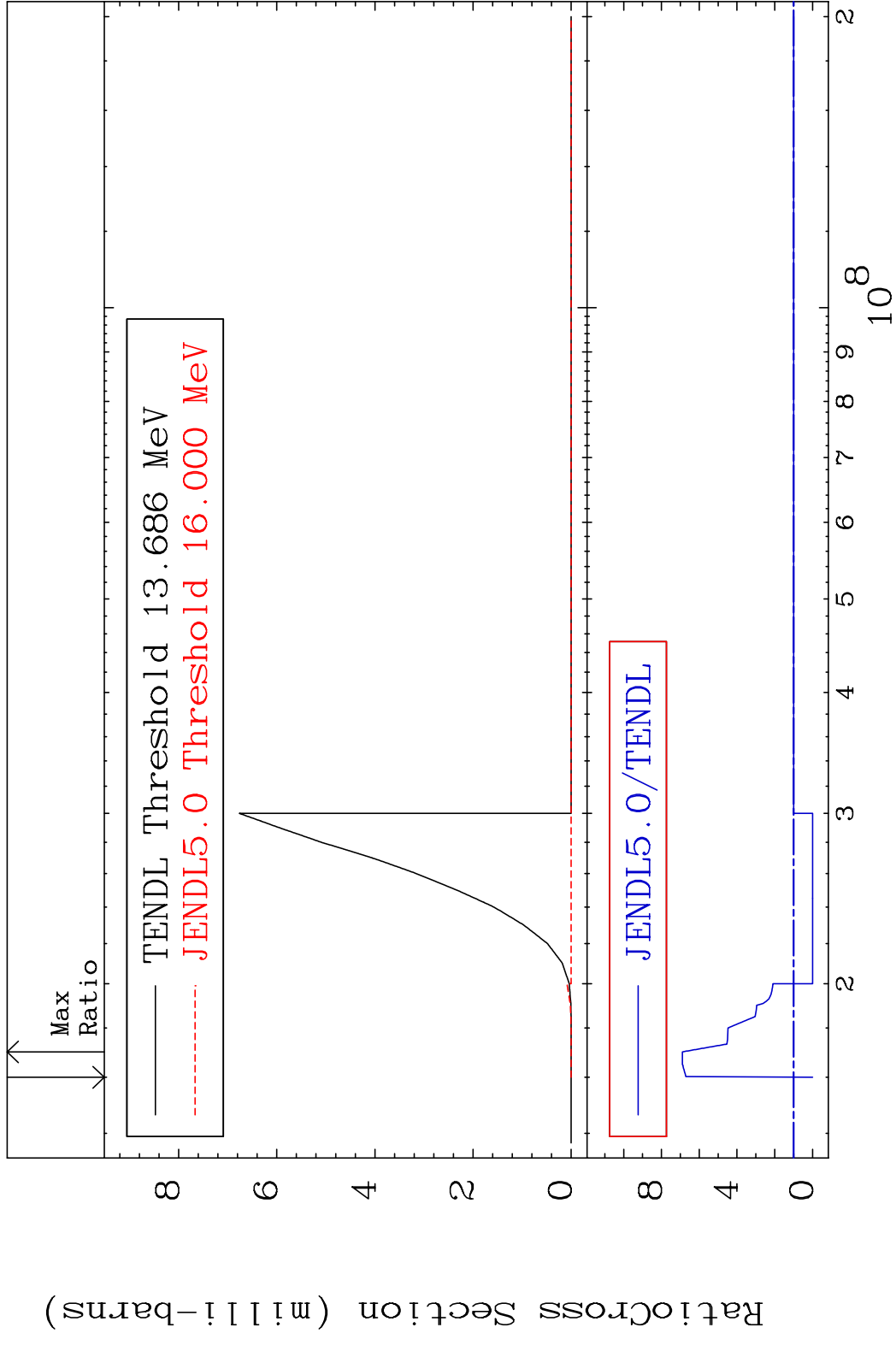


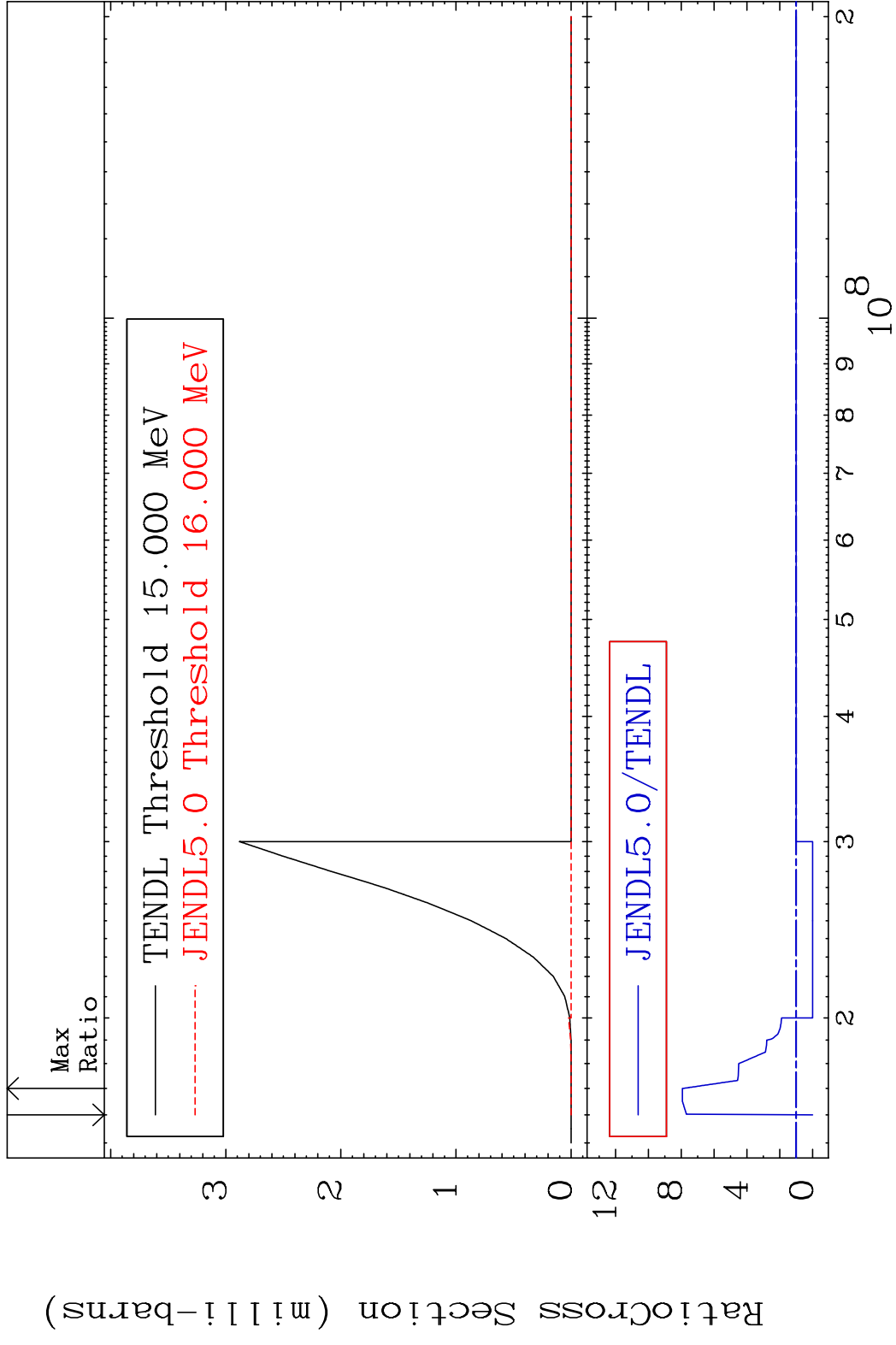
65 Incident Energy (eV) 51-Sb-125



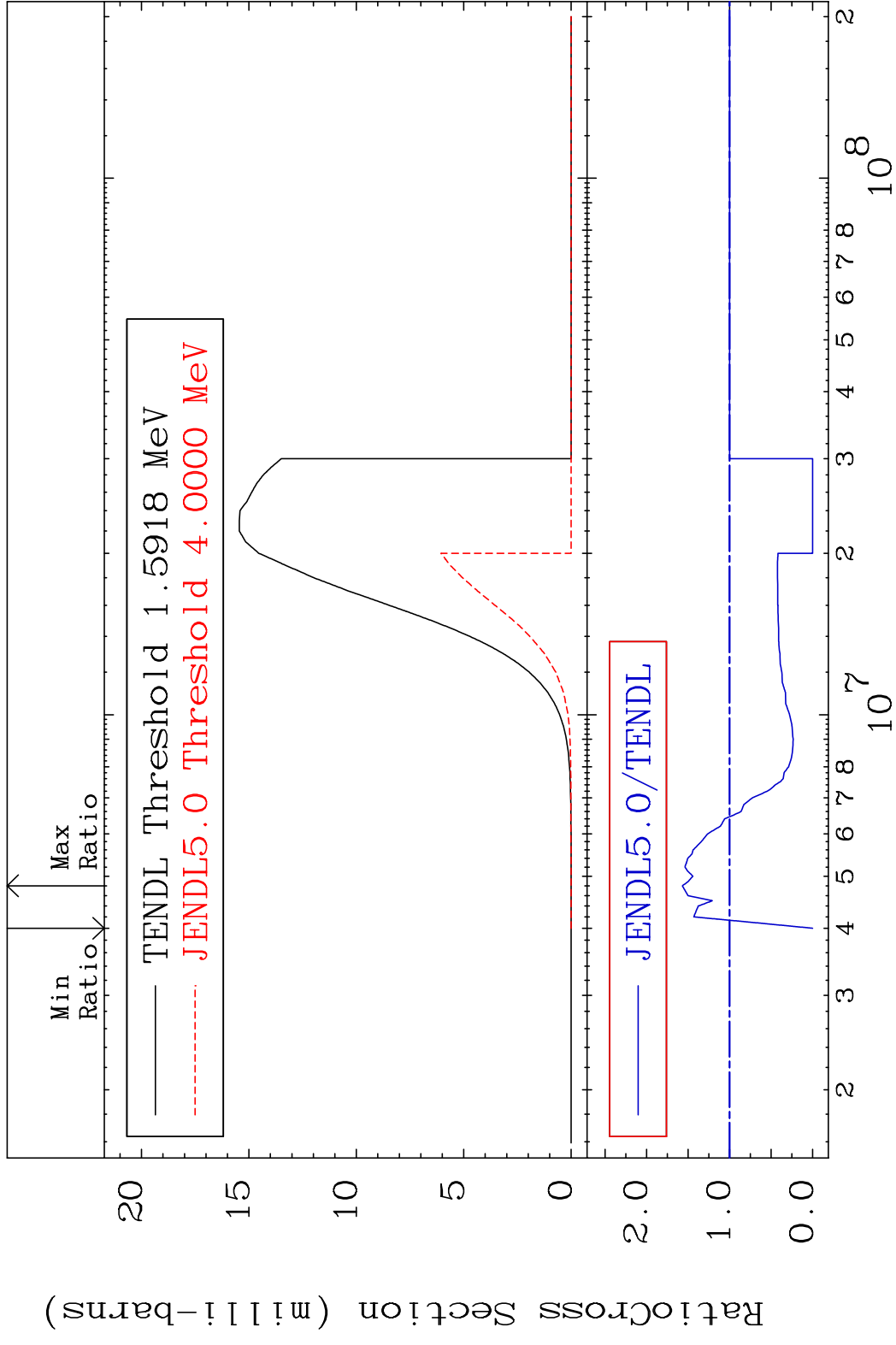


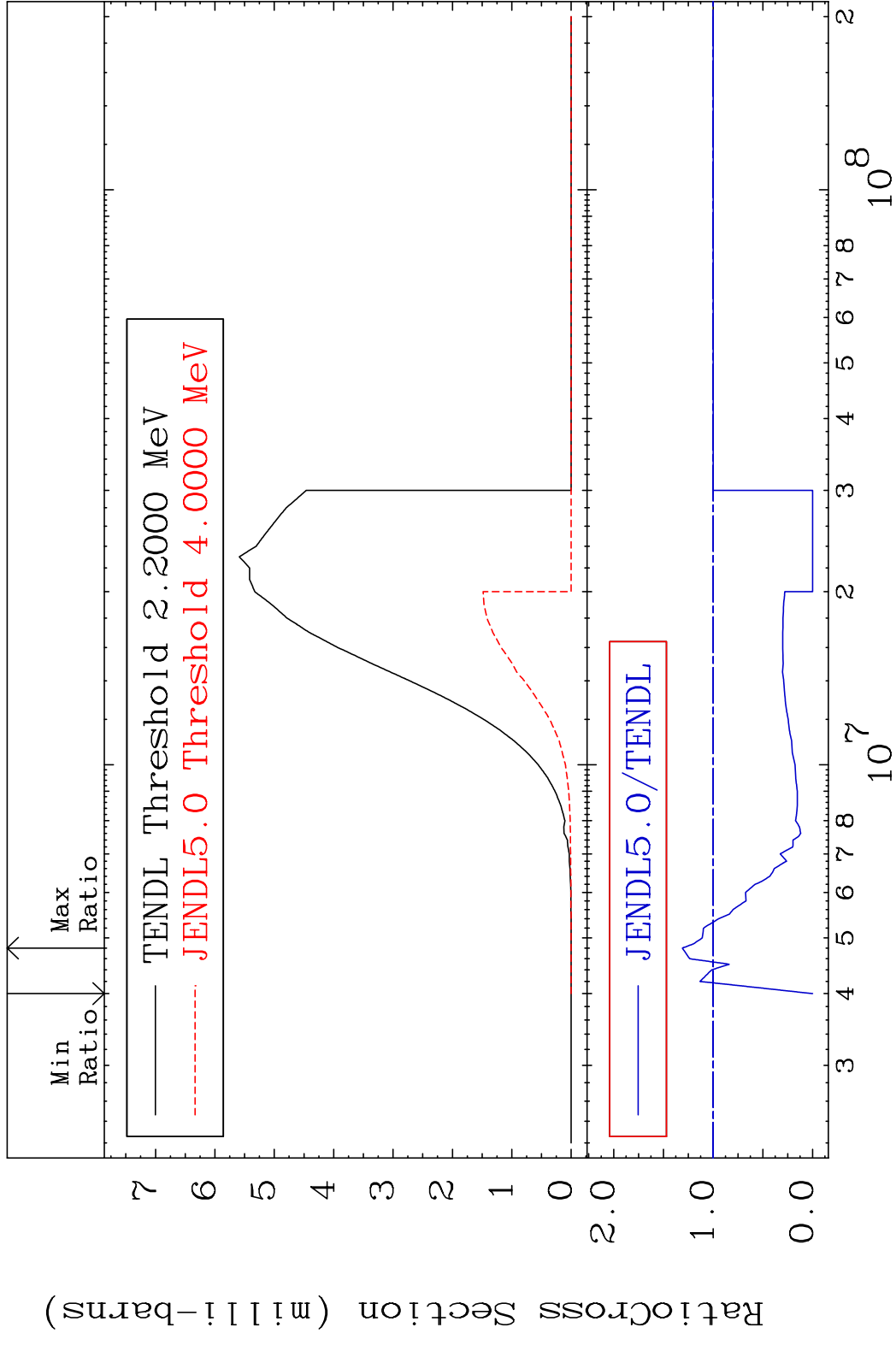
MAT 5137 (n, n') d:50-Sn-123g 51-Sb-125
 Radionuclide Production Cross Section Ratio 589.3 %

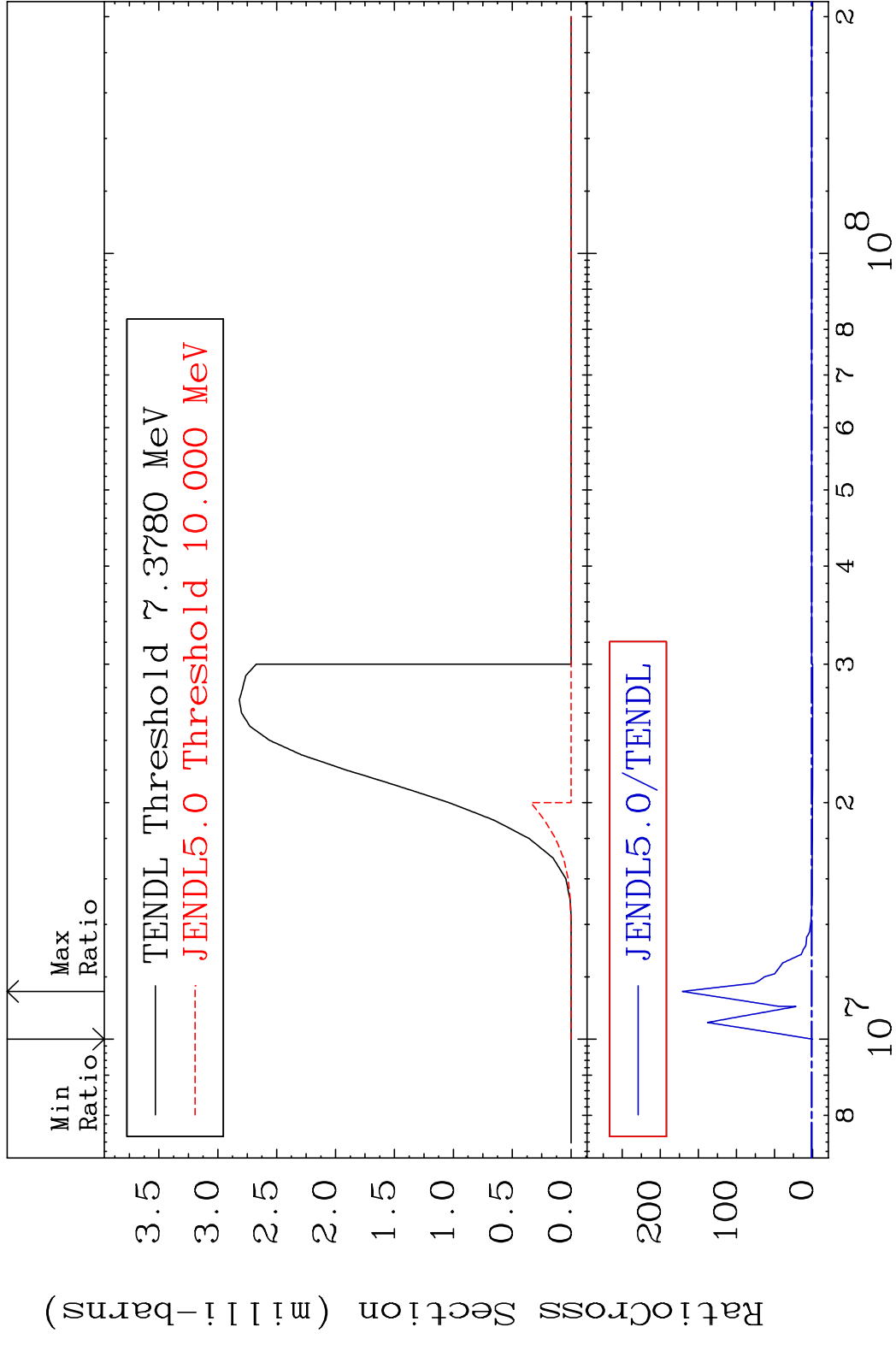


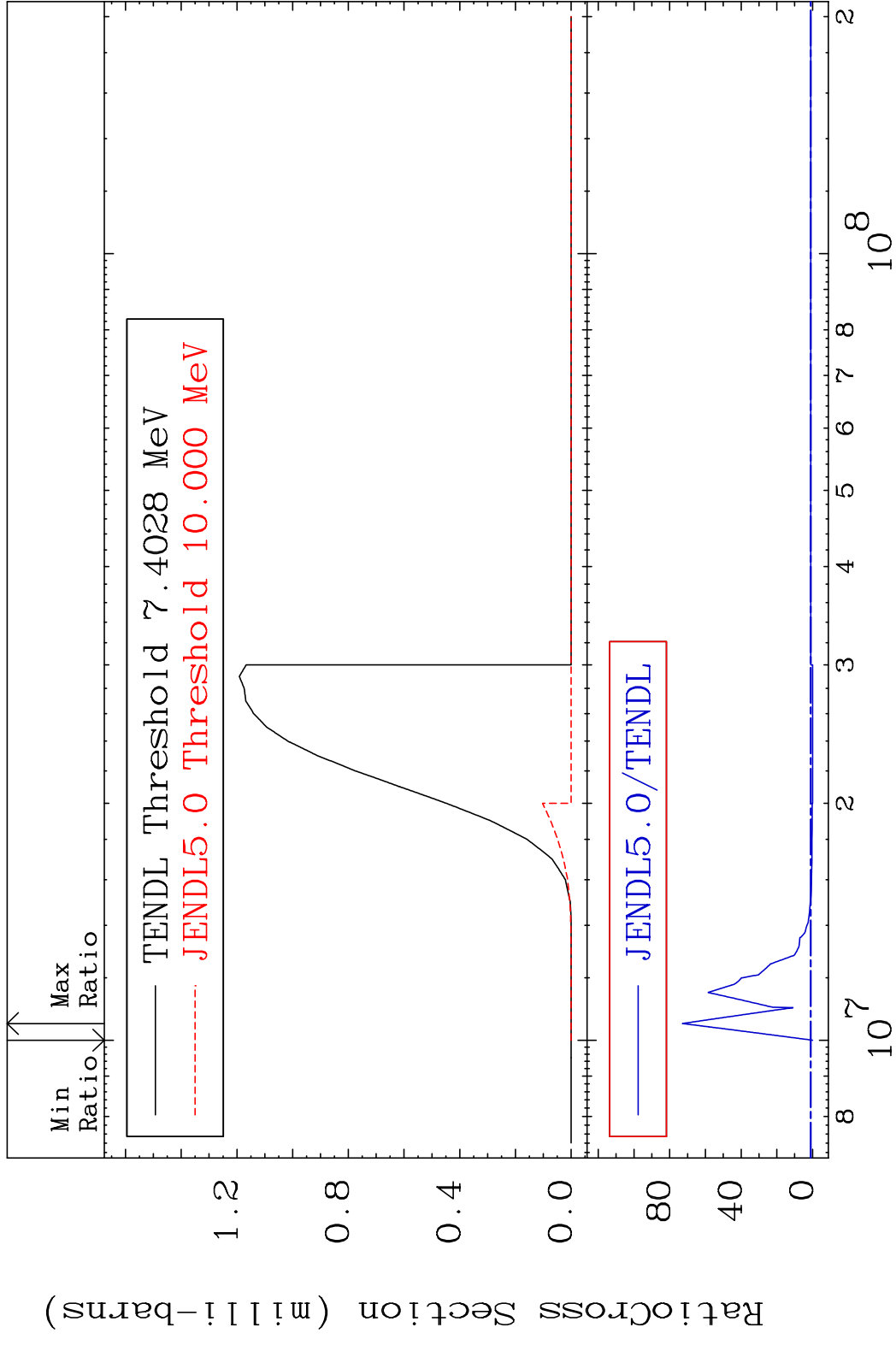


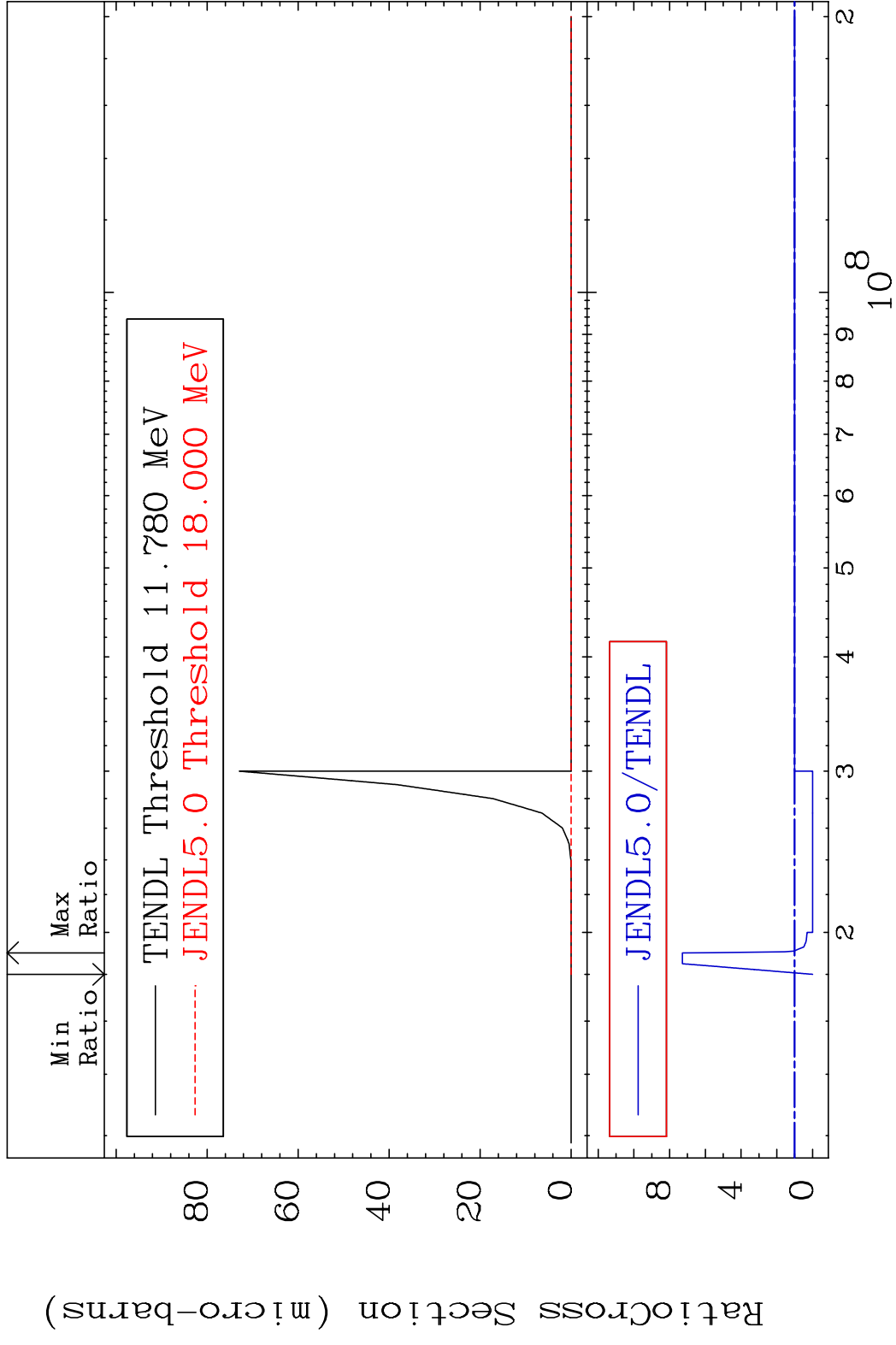
MAT 5137 (n,p):50-Sn-125g 51-Sb-125
 Radionuclide Production Cross Section 180.01 dth 56.97 %

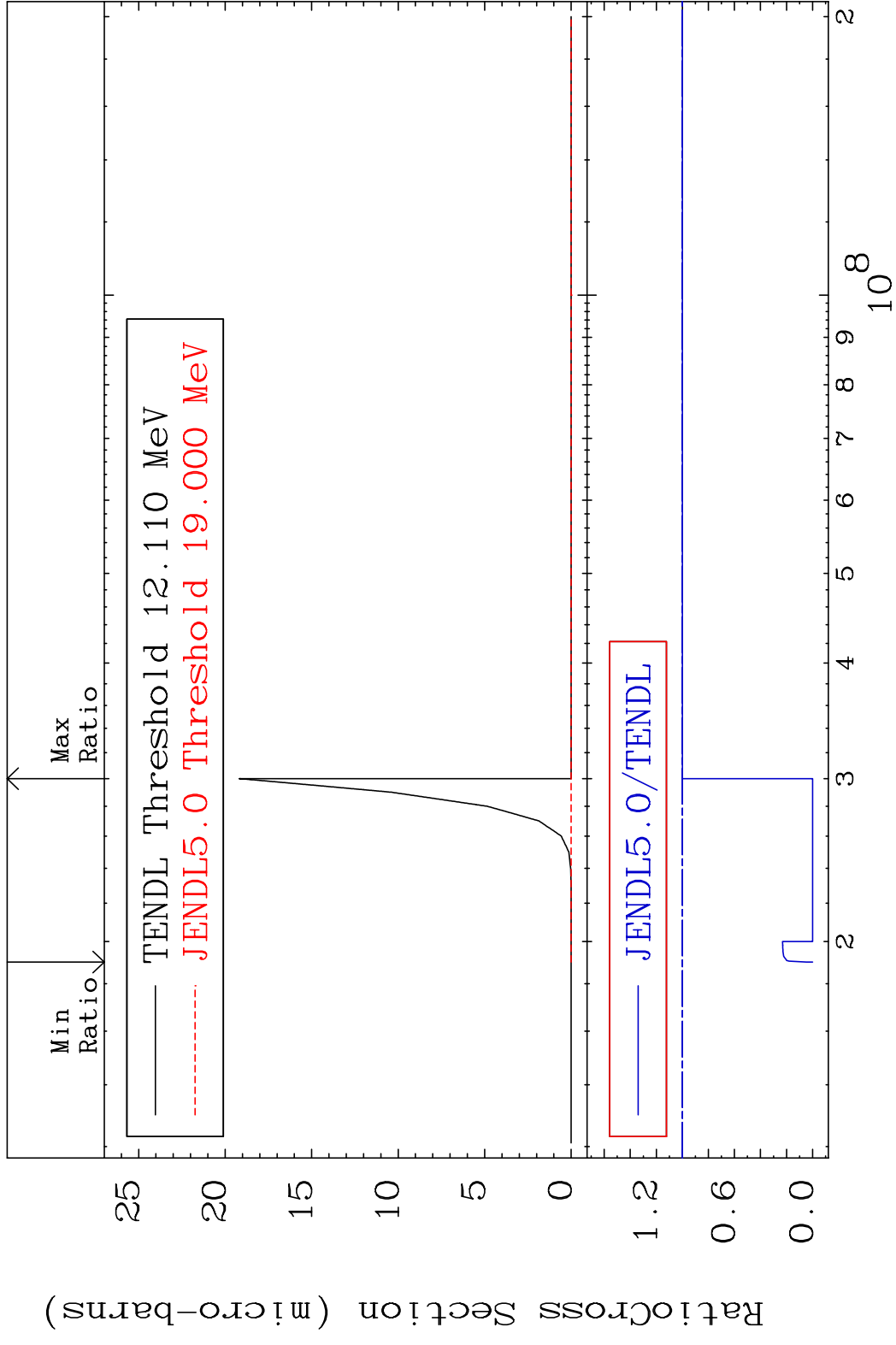




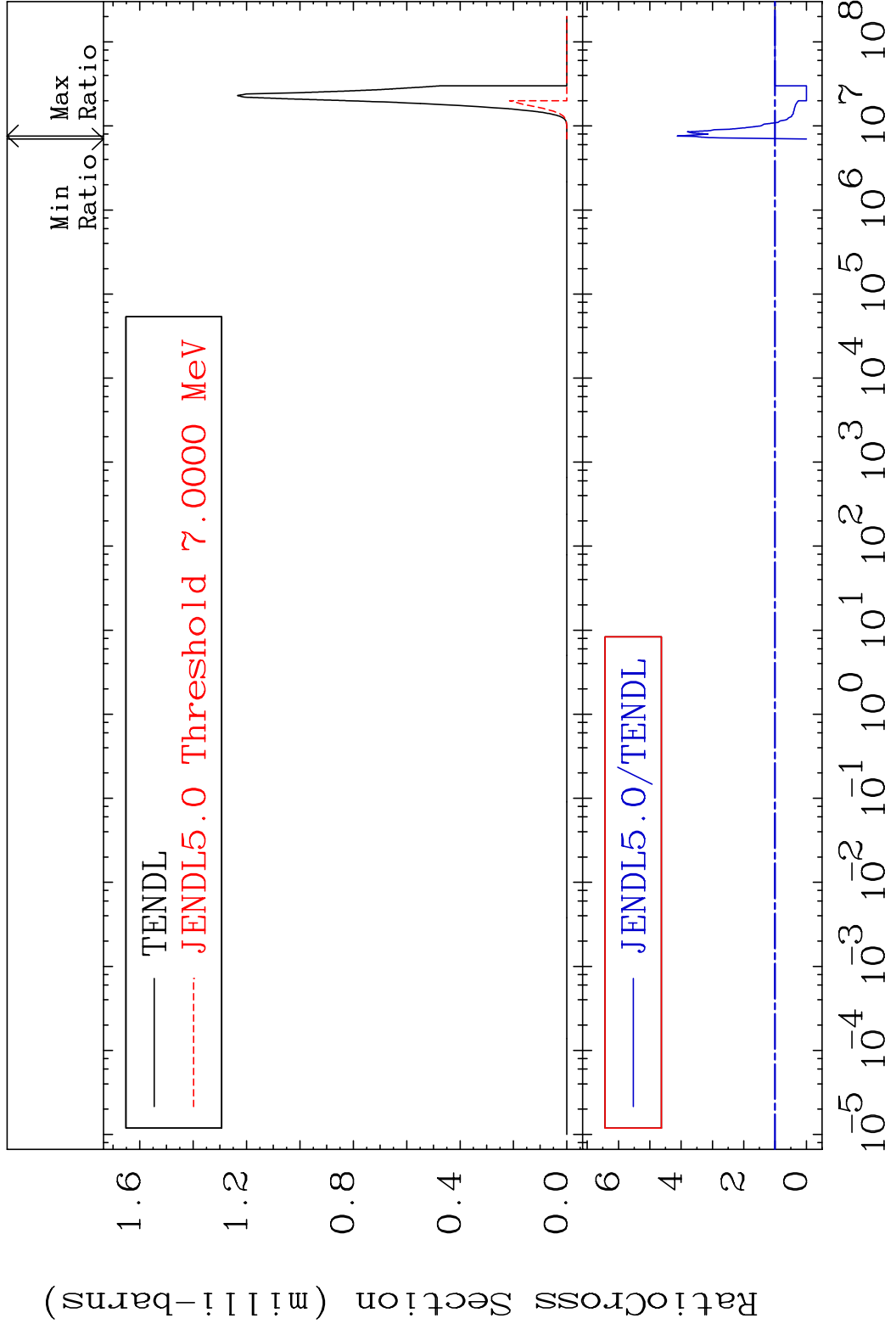




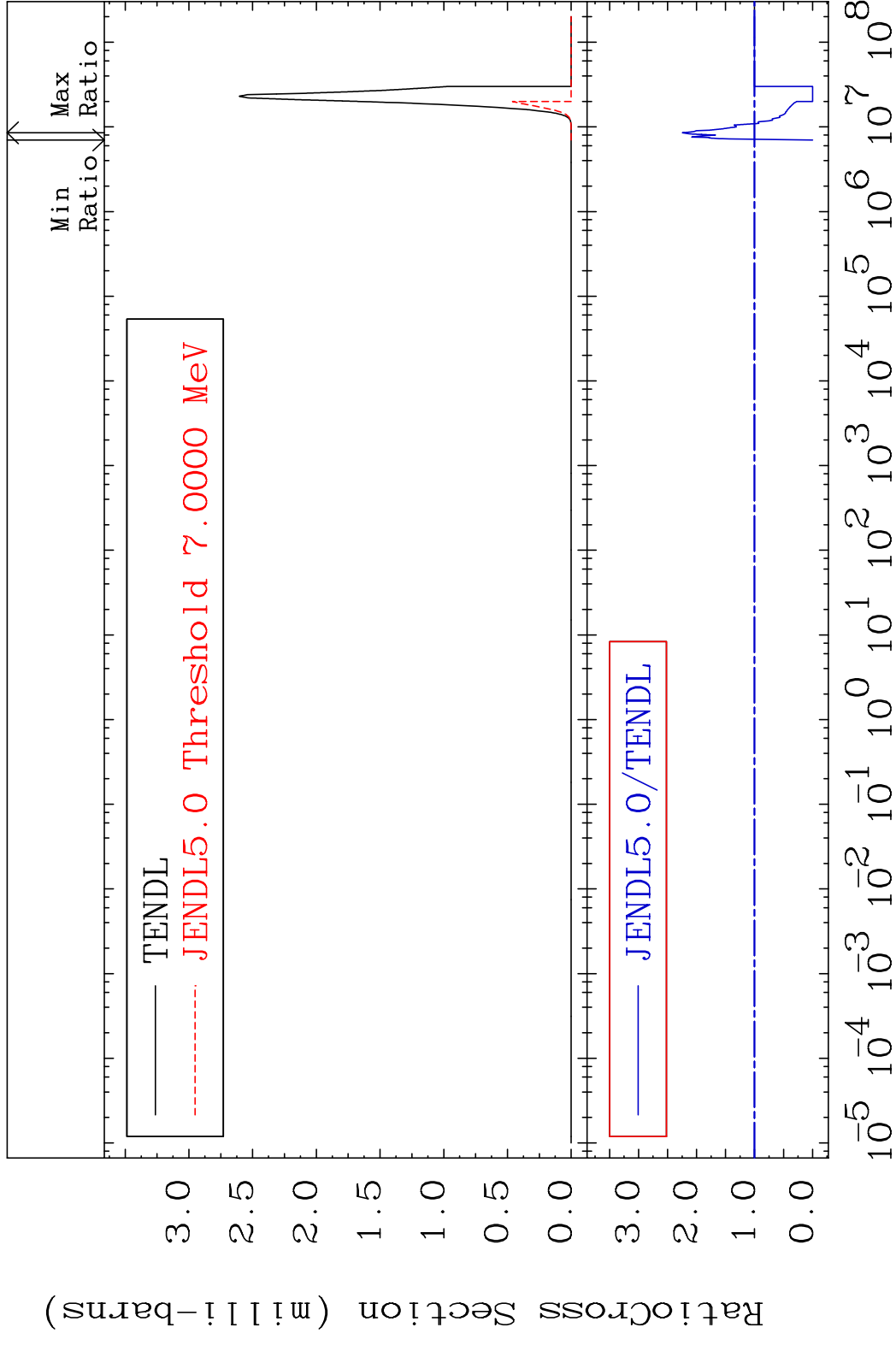




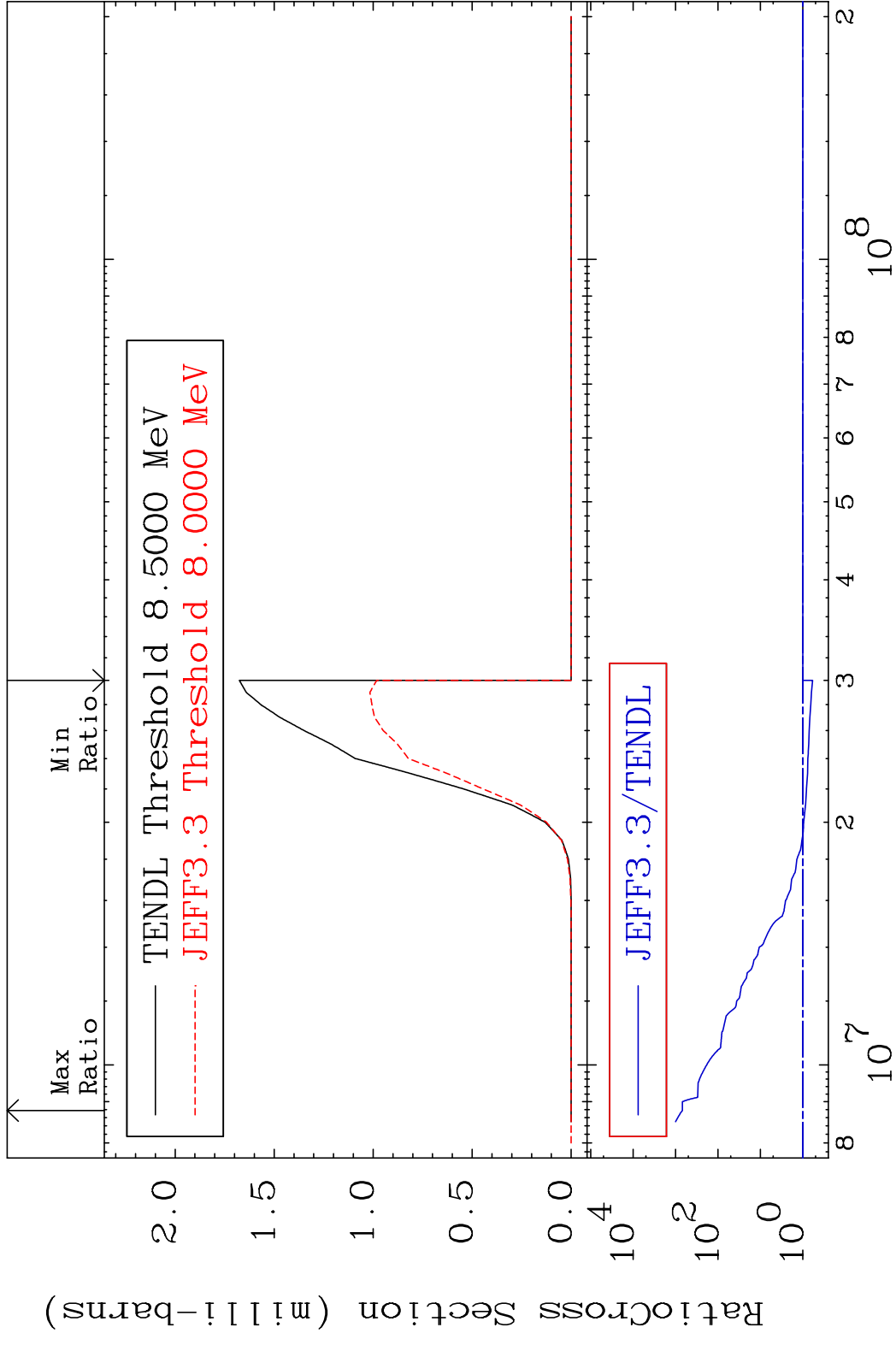
MAT 5137 (n,α):49-In-122g 51-Sb-125
 Radionuclide Production Cross Section 180.0 dth 312.7 %

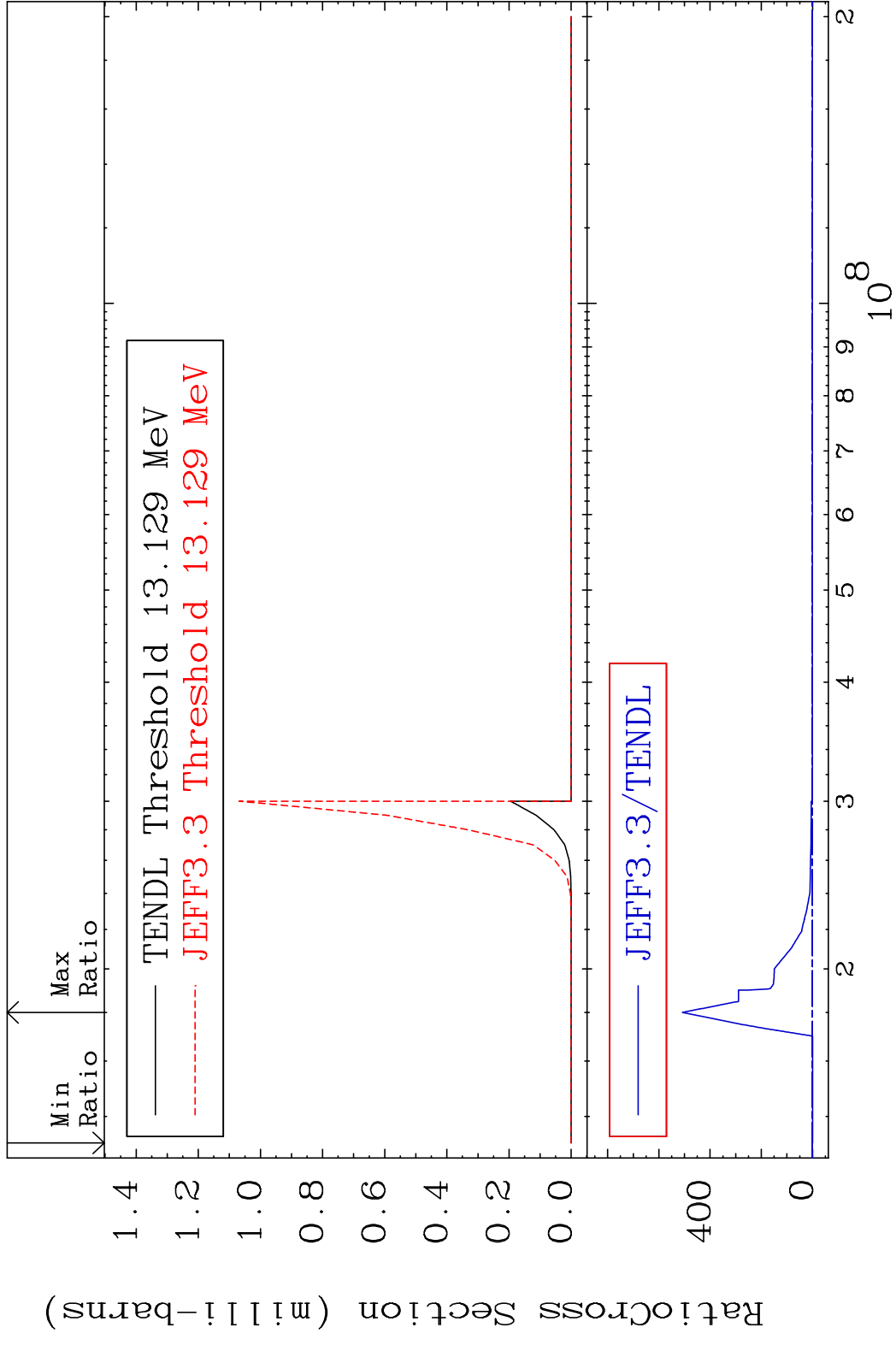


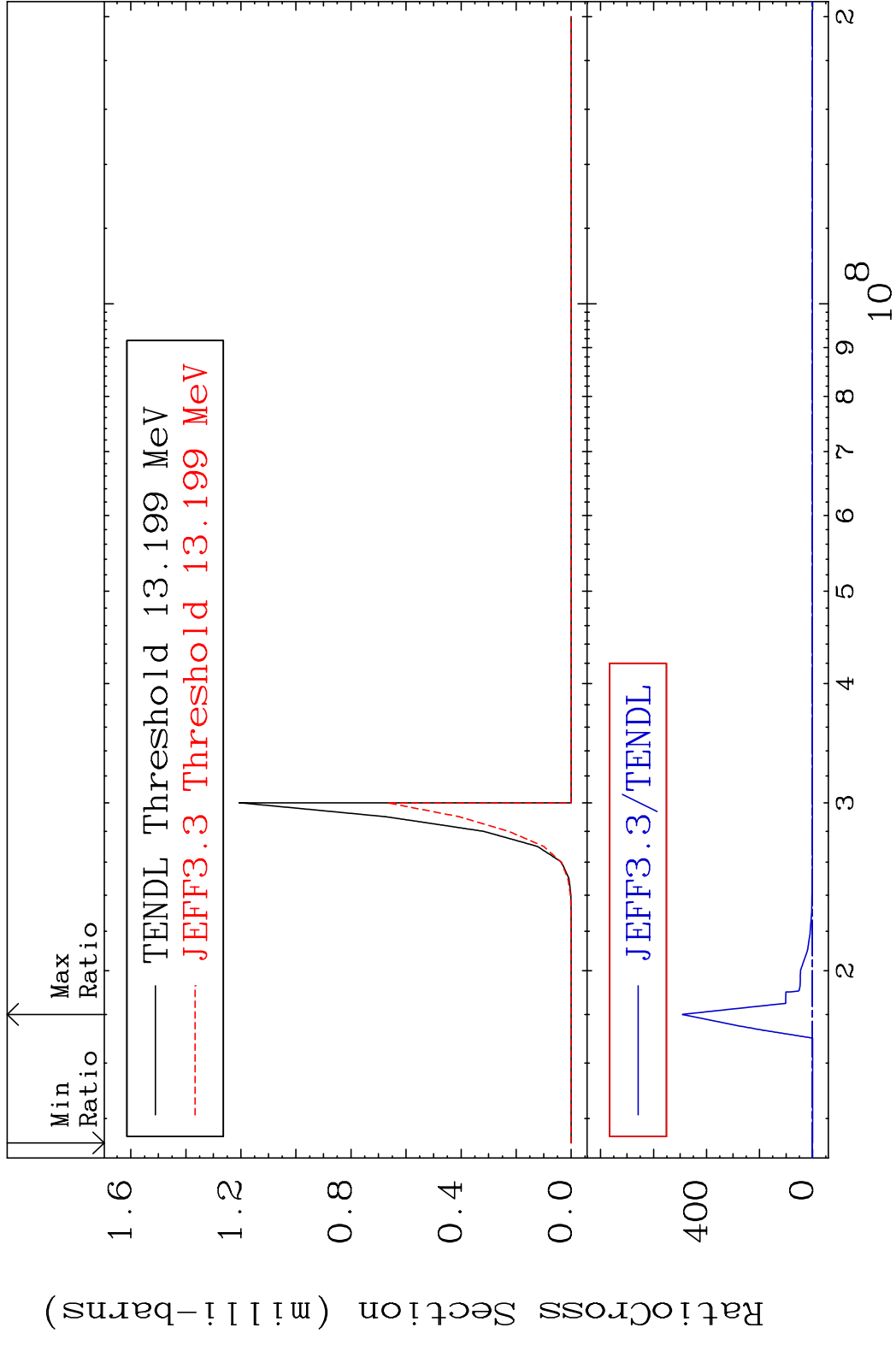
MAT 5137 (n, α): 49-In-122m1 51-Sb-125
 Radionuclide Production Cross Section 180.0 mb 124.5 %

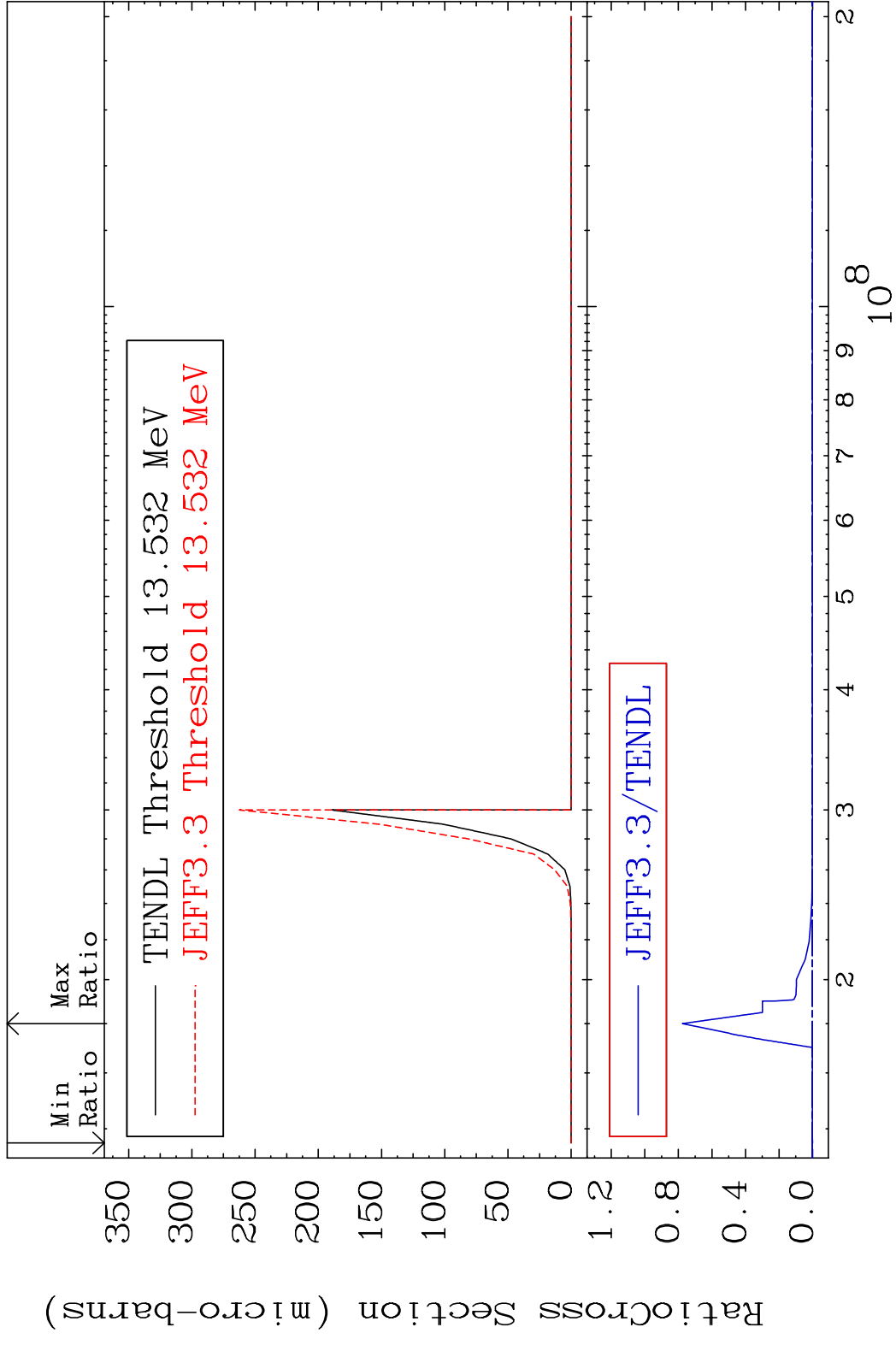


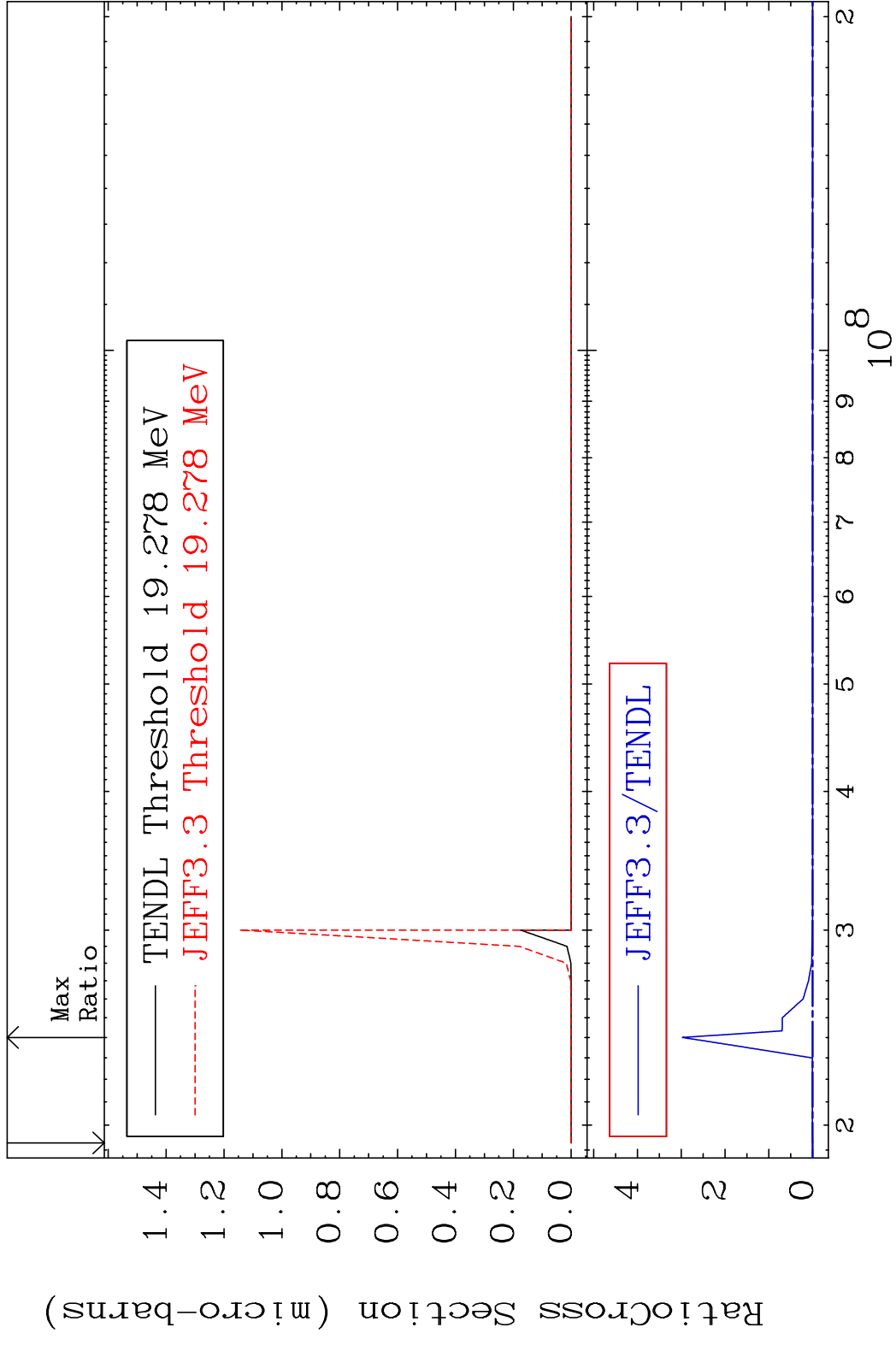
MAT 5137 (n, n') α :49-In-121m1 51-Sb-125
 Radionuclide Production Cross Section 458810 9999. %

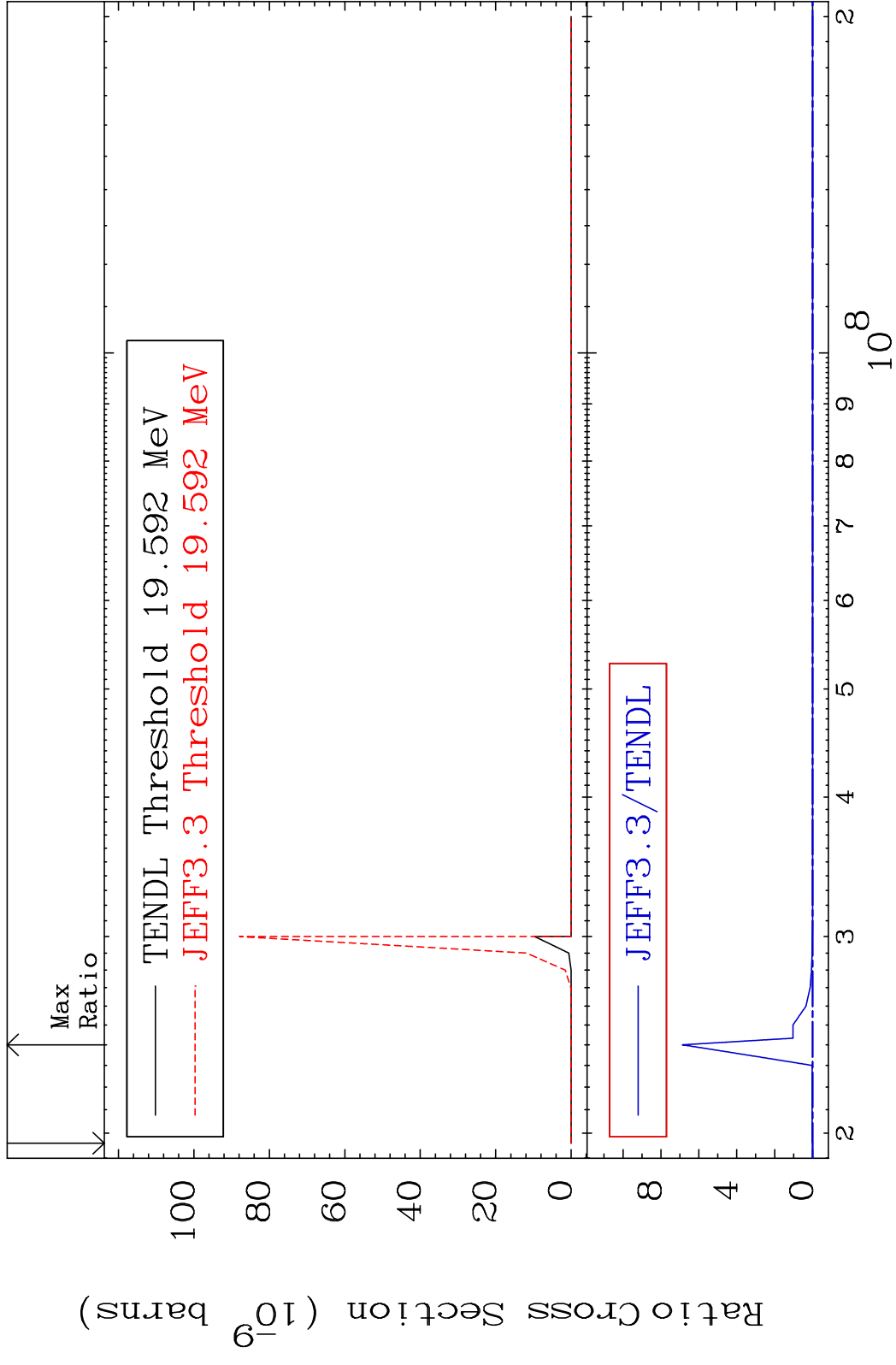


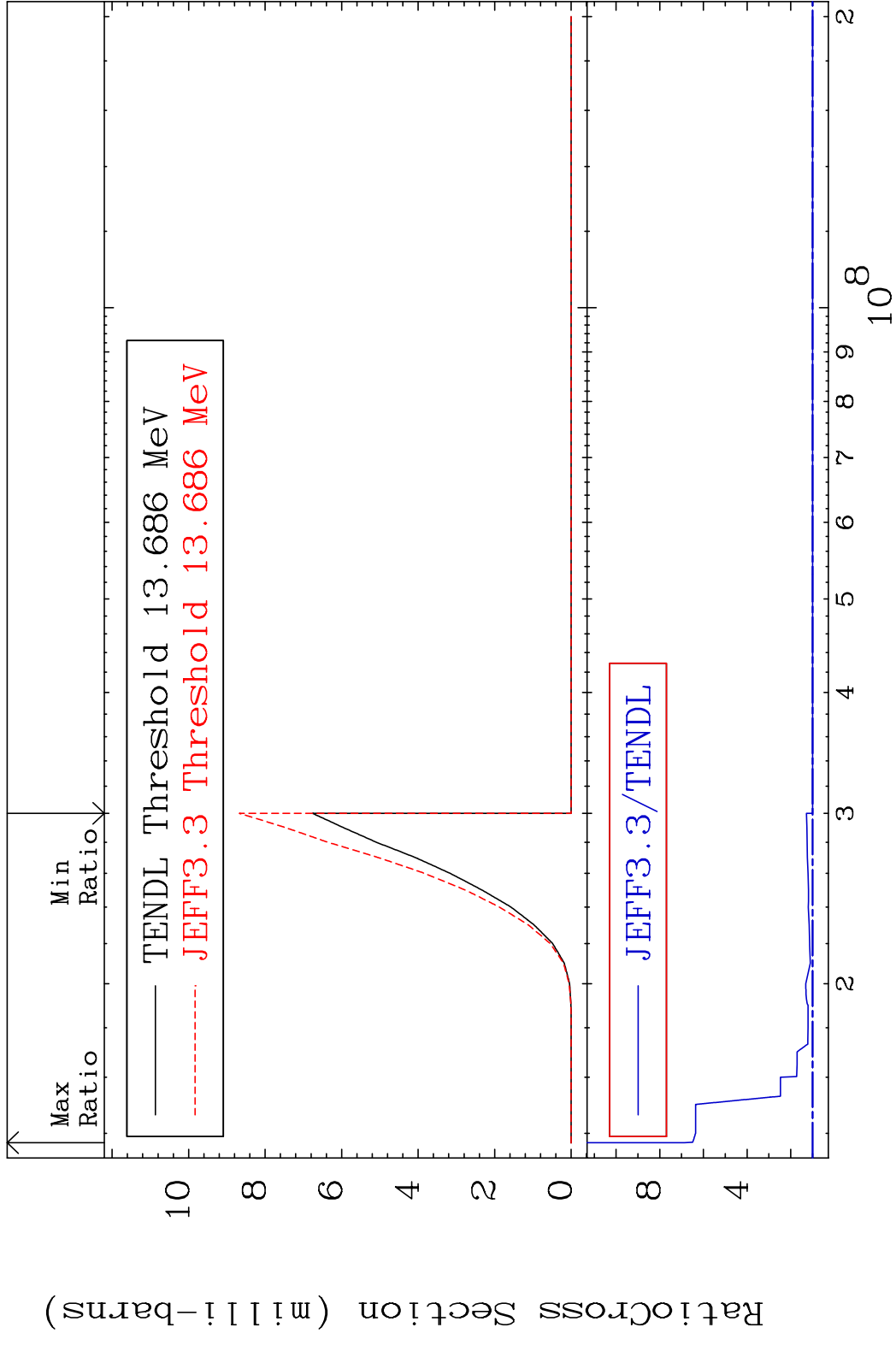


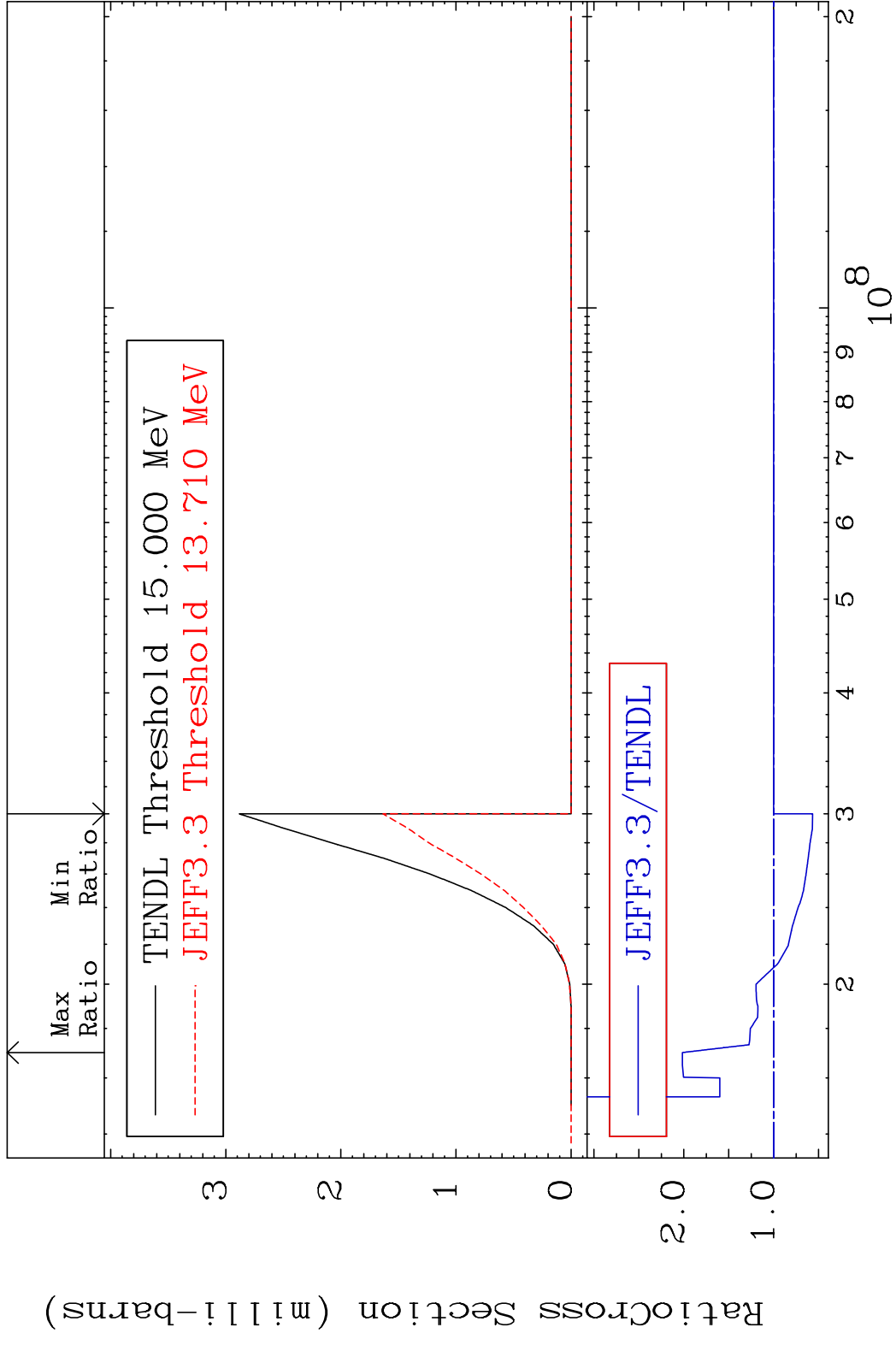


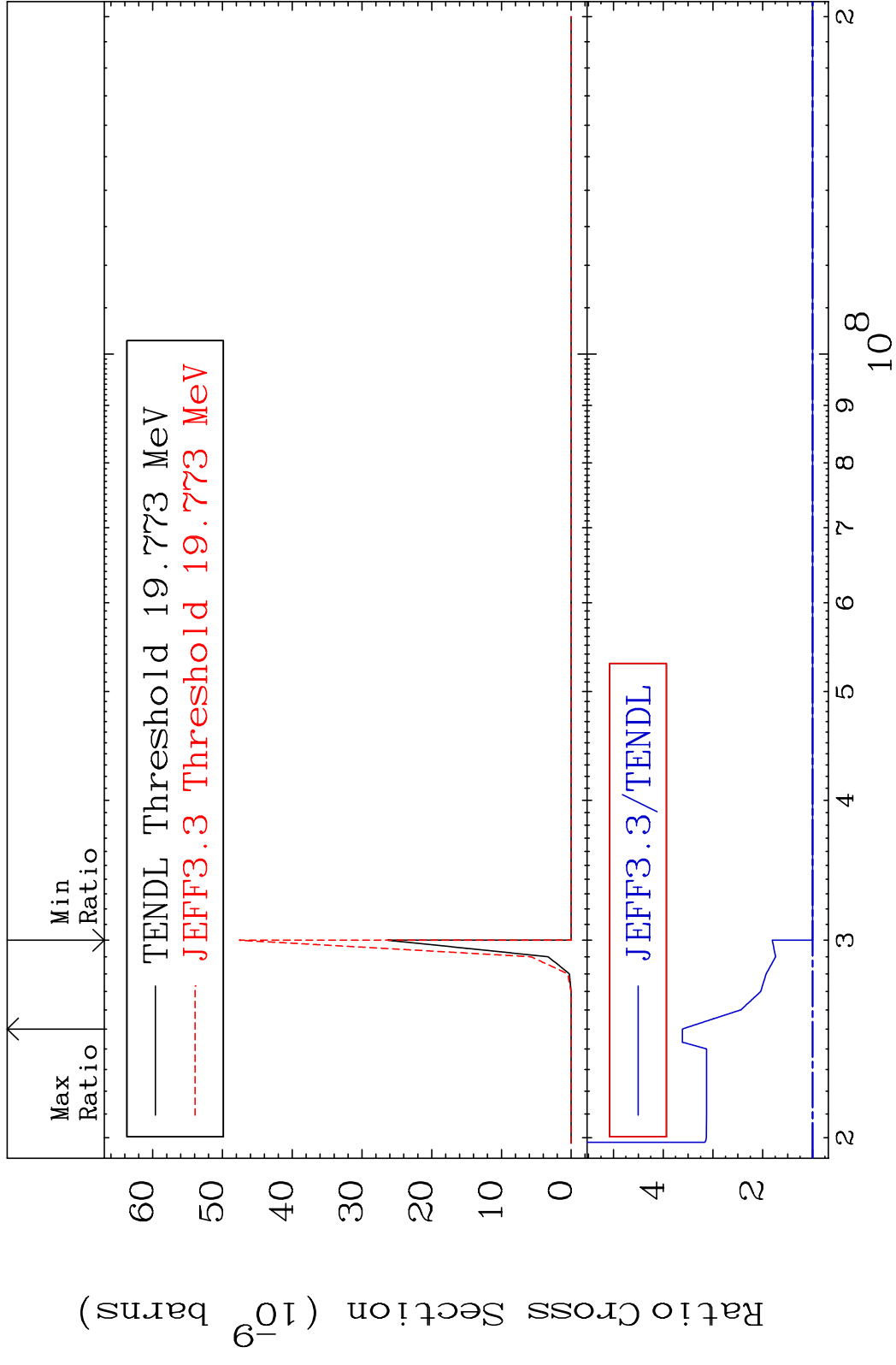


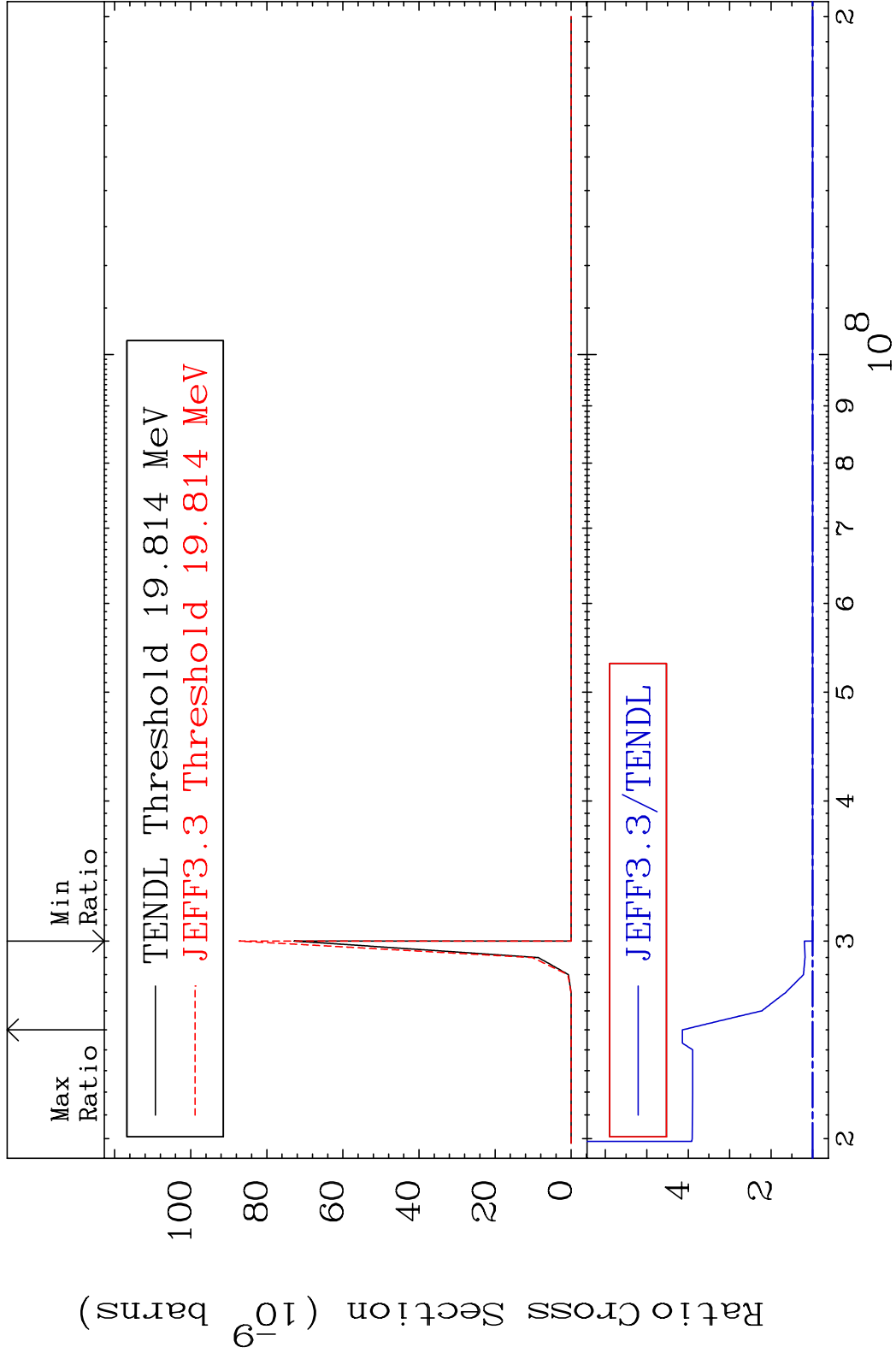


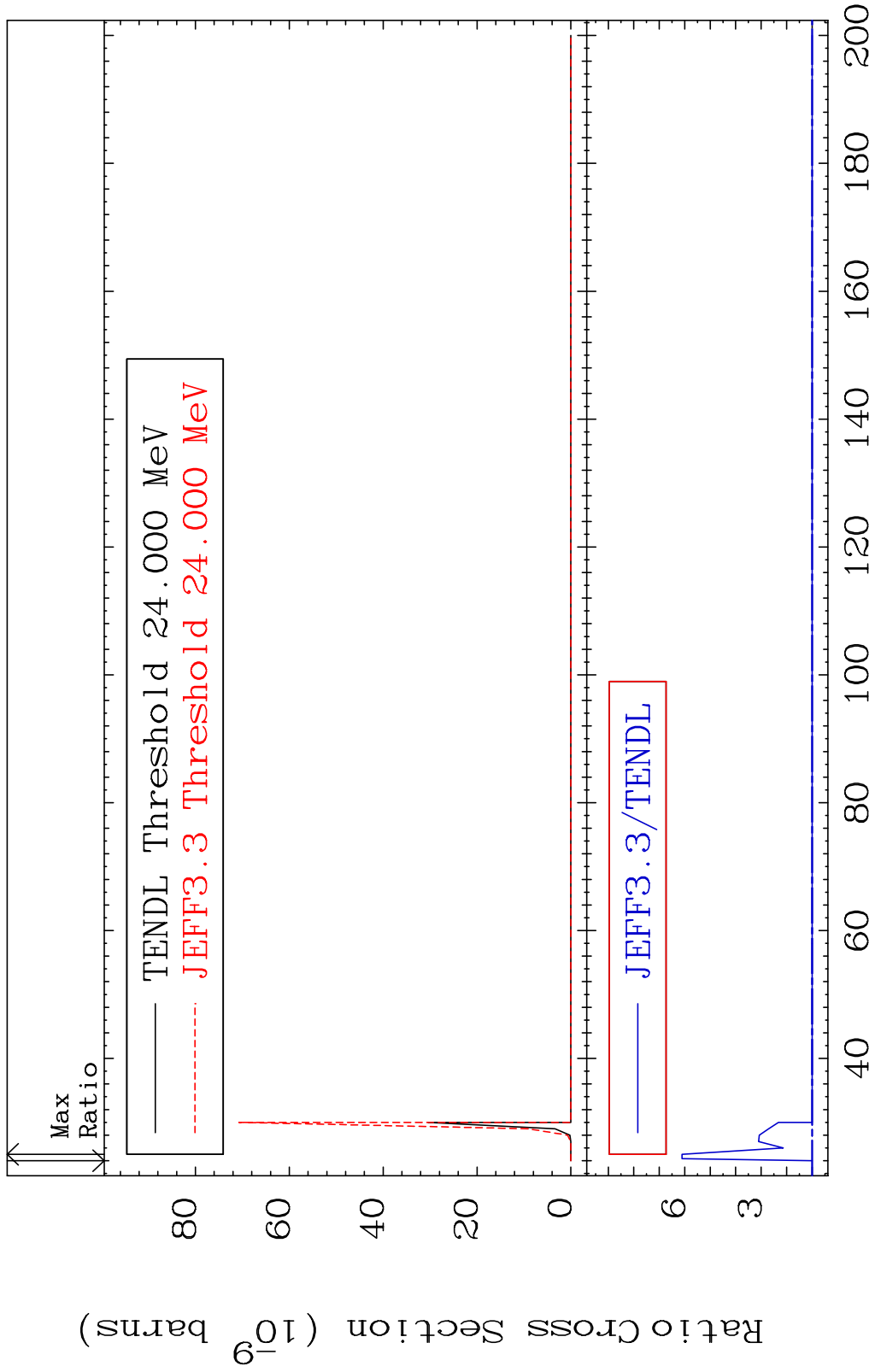




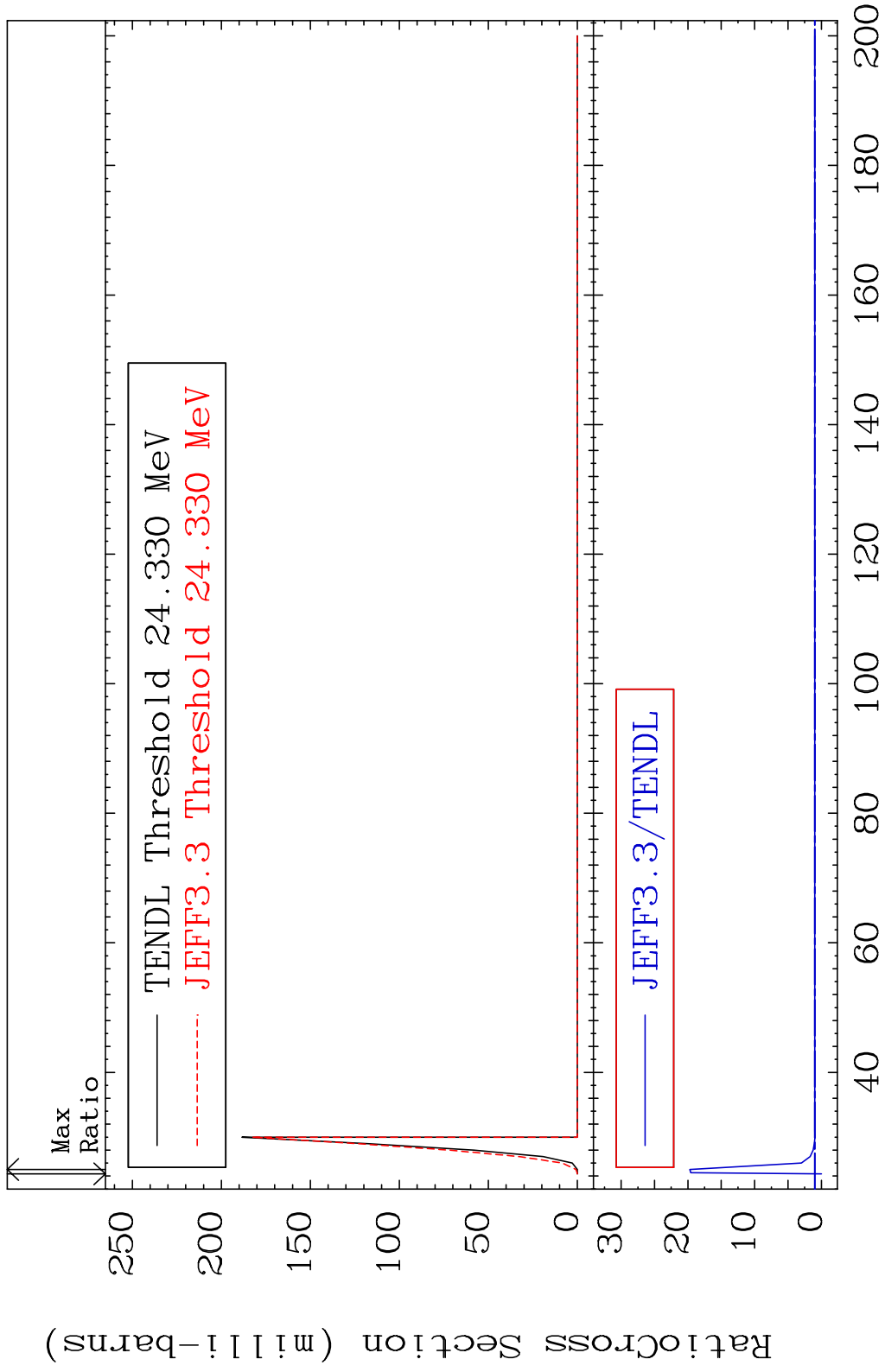




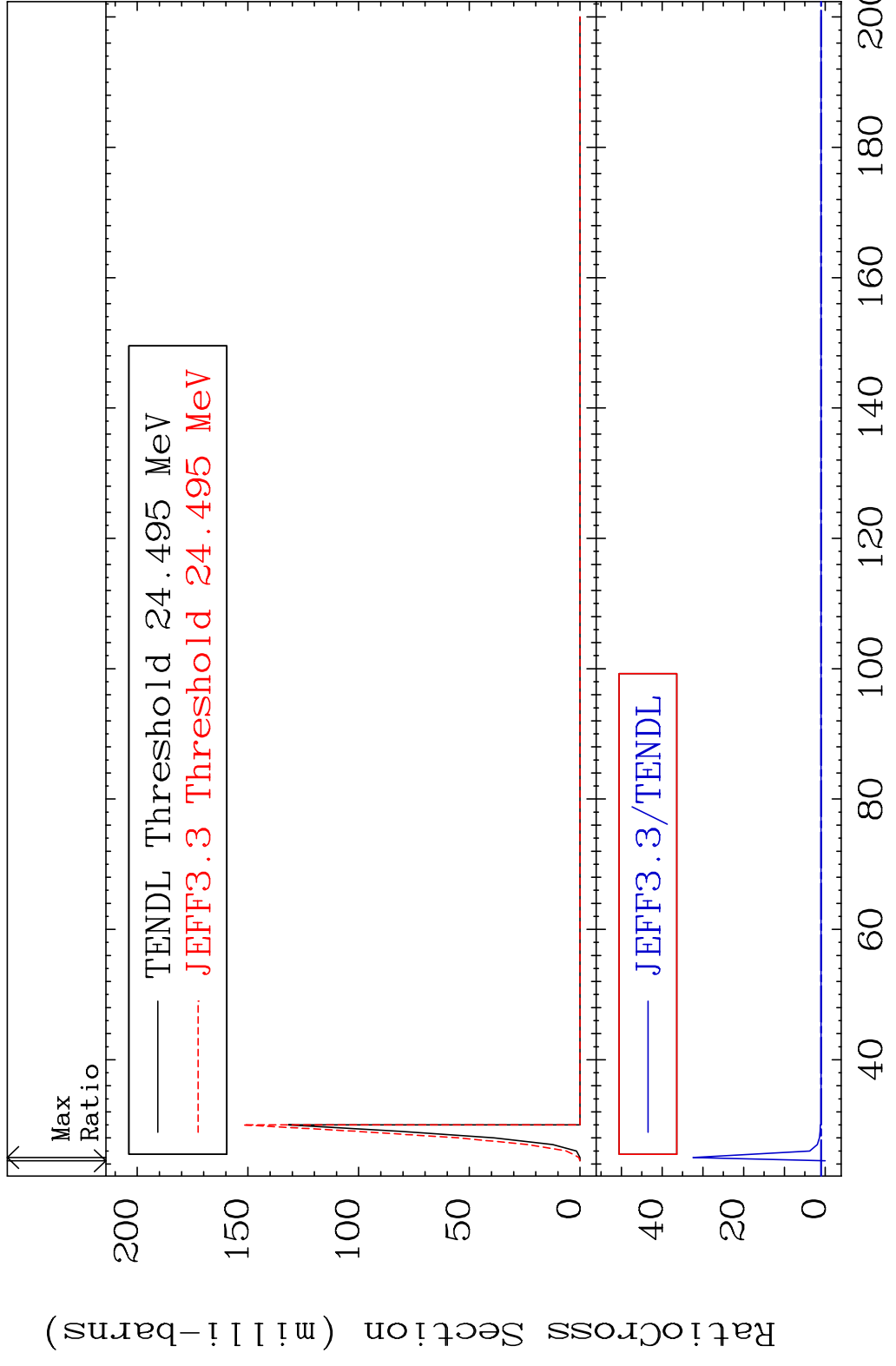




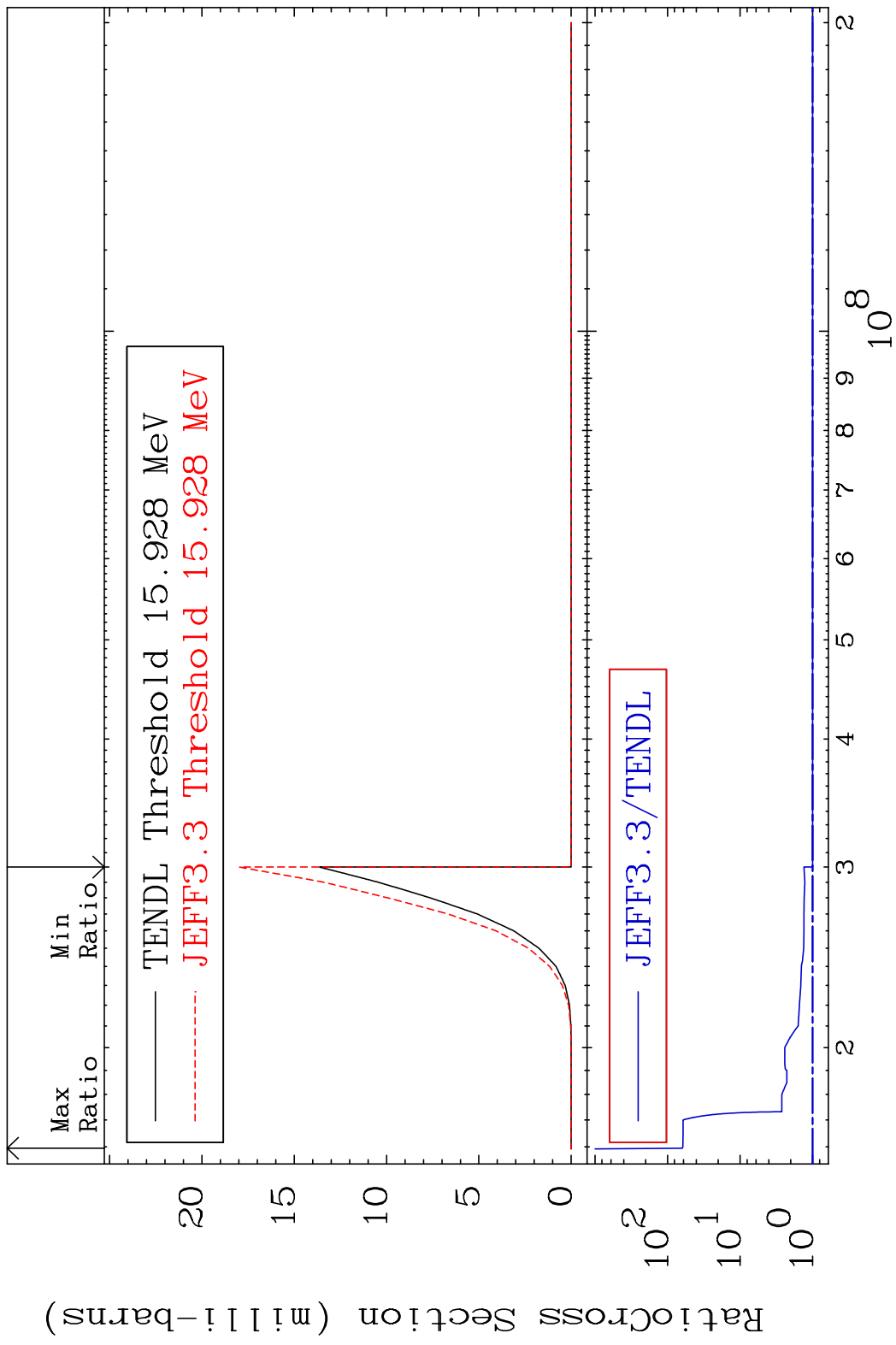
MAT 5137 (n,4n):51-Sb-122g 51-Sb-125
 Radionuclide Production Cross Section 180.01 dth 1872. %

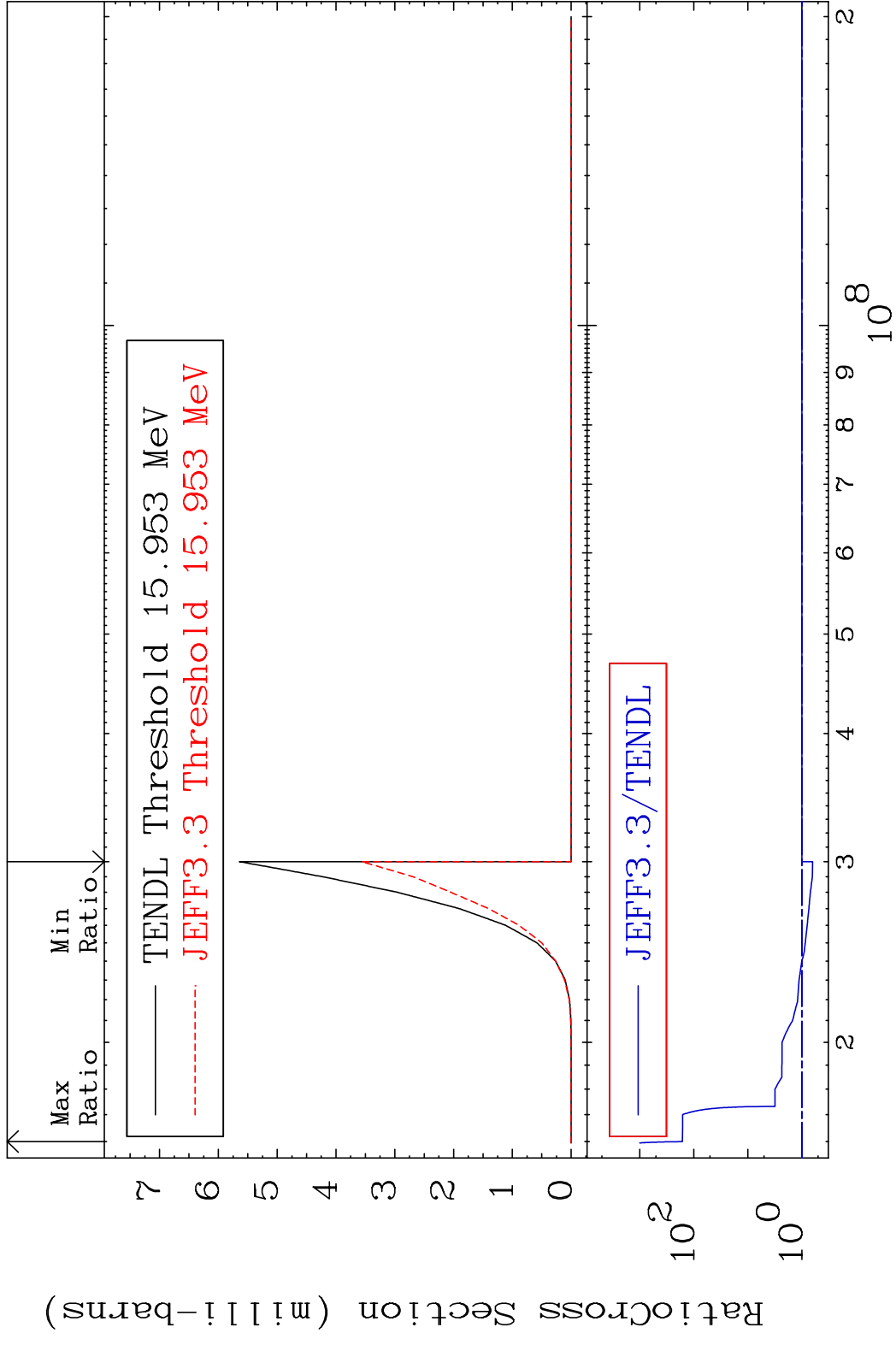


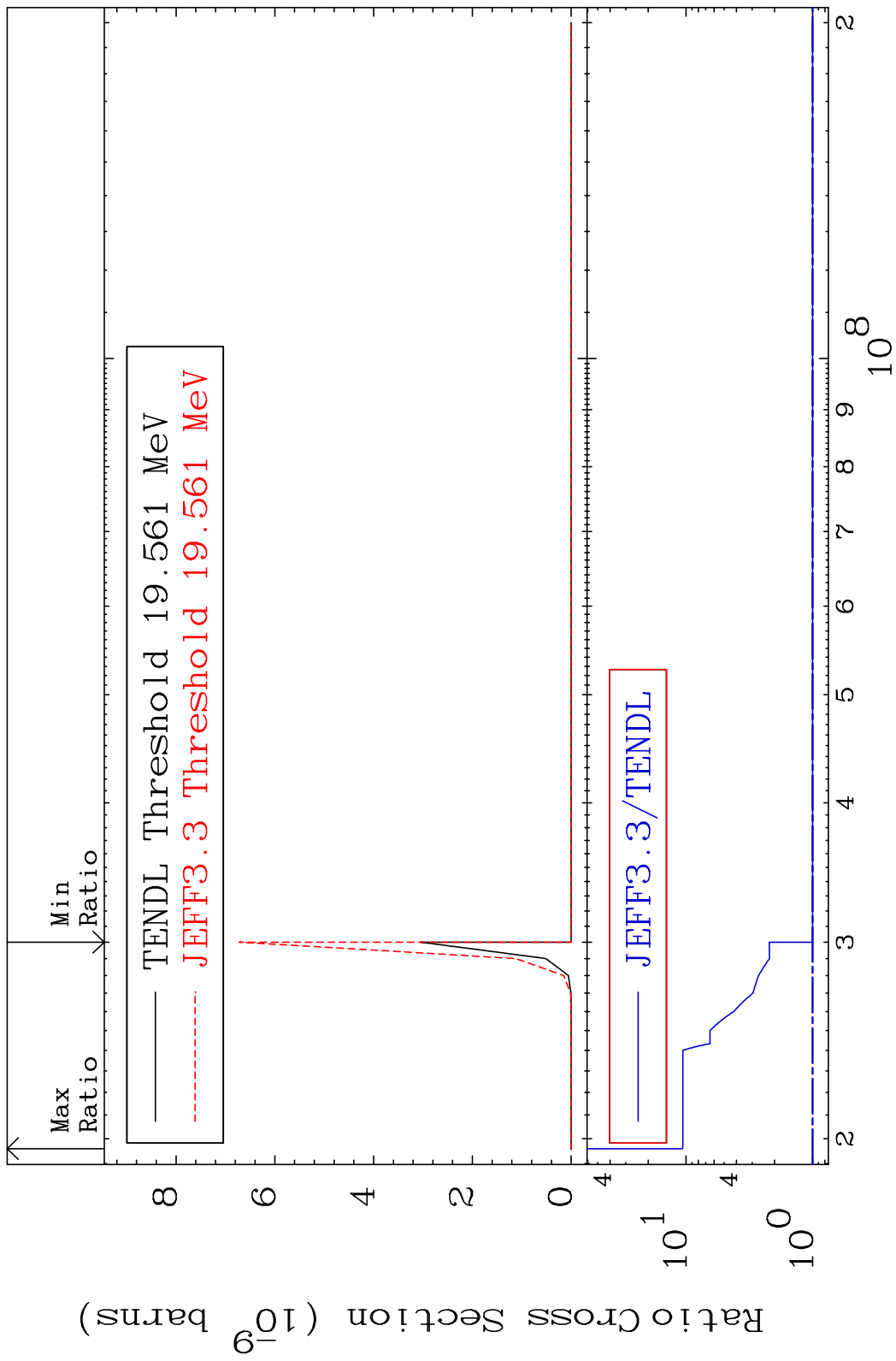
MAT 5137 (n, 4n):51-Sb-122m5 51-Sb-125
 Radionuclide Production Cross Section Ratio 3146. %

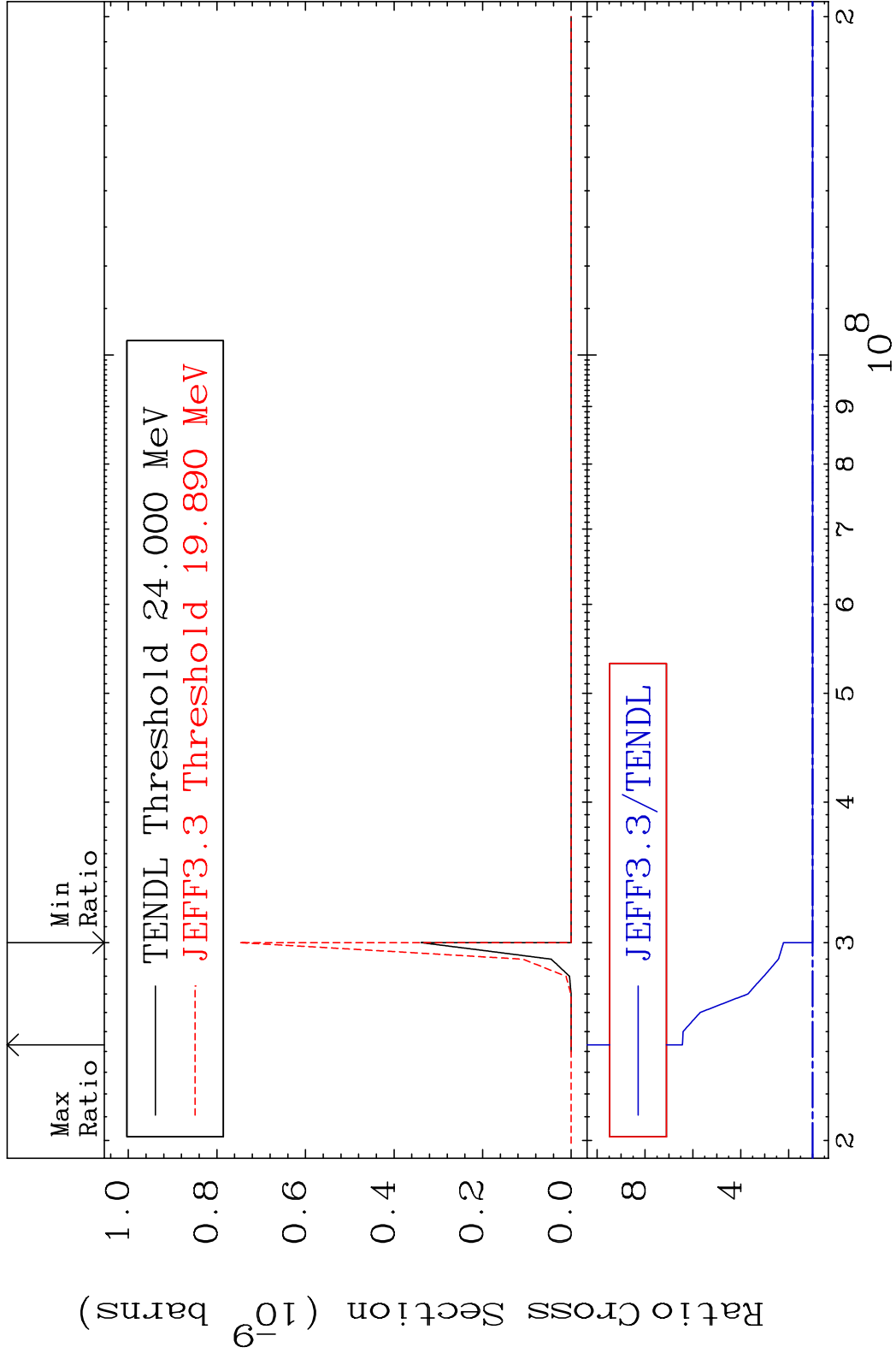


90 Incident Energy (MeV) 51-Sb-125

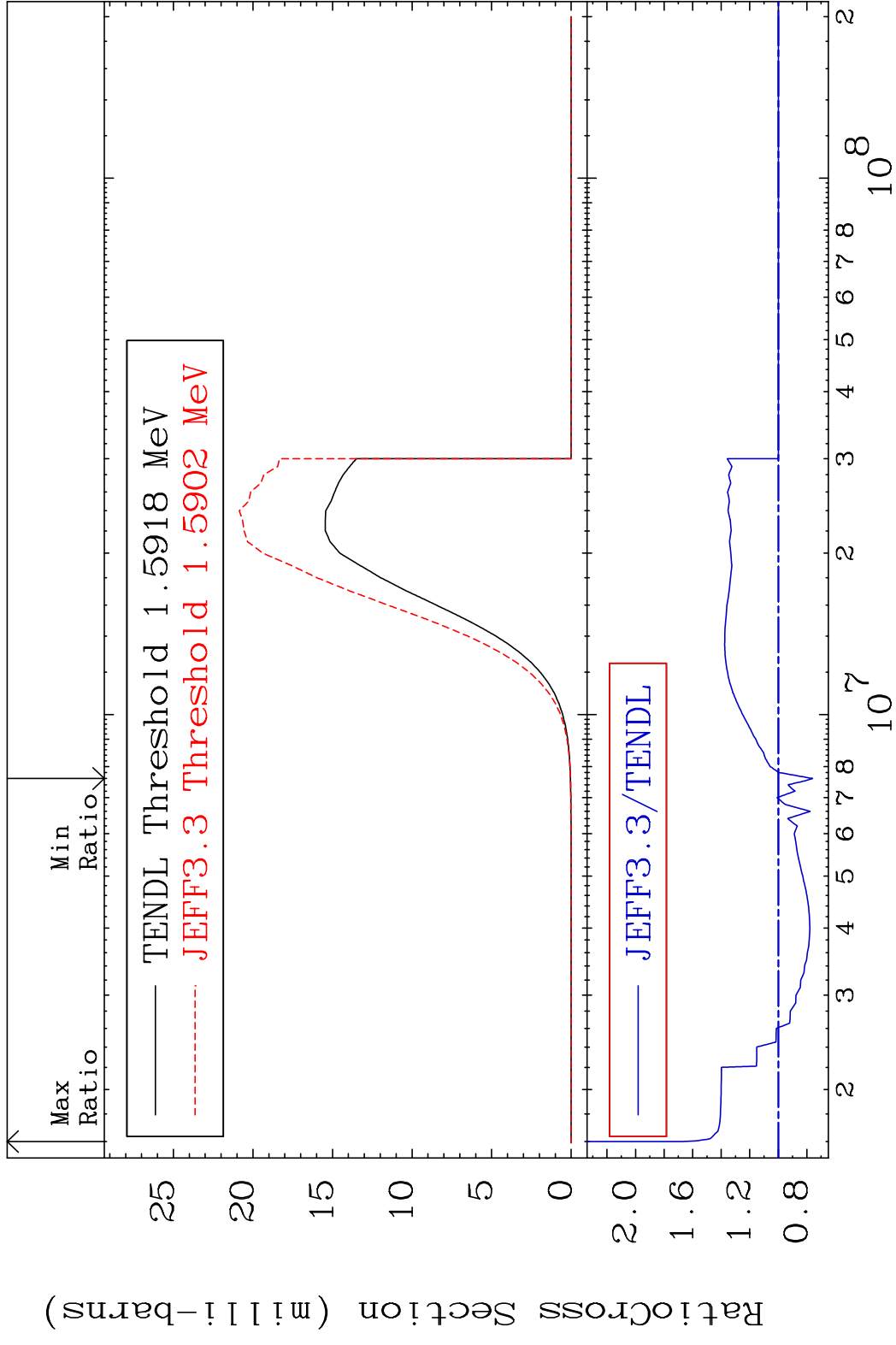


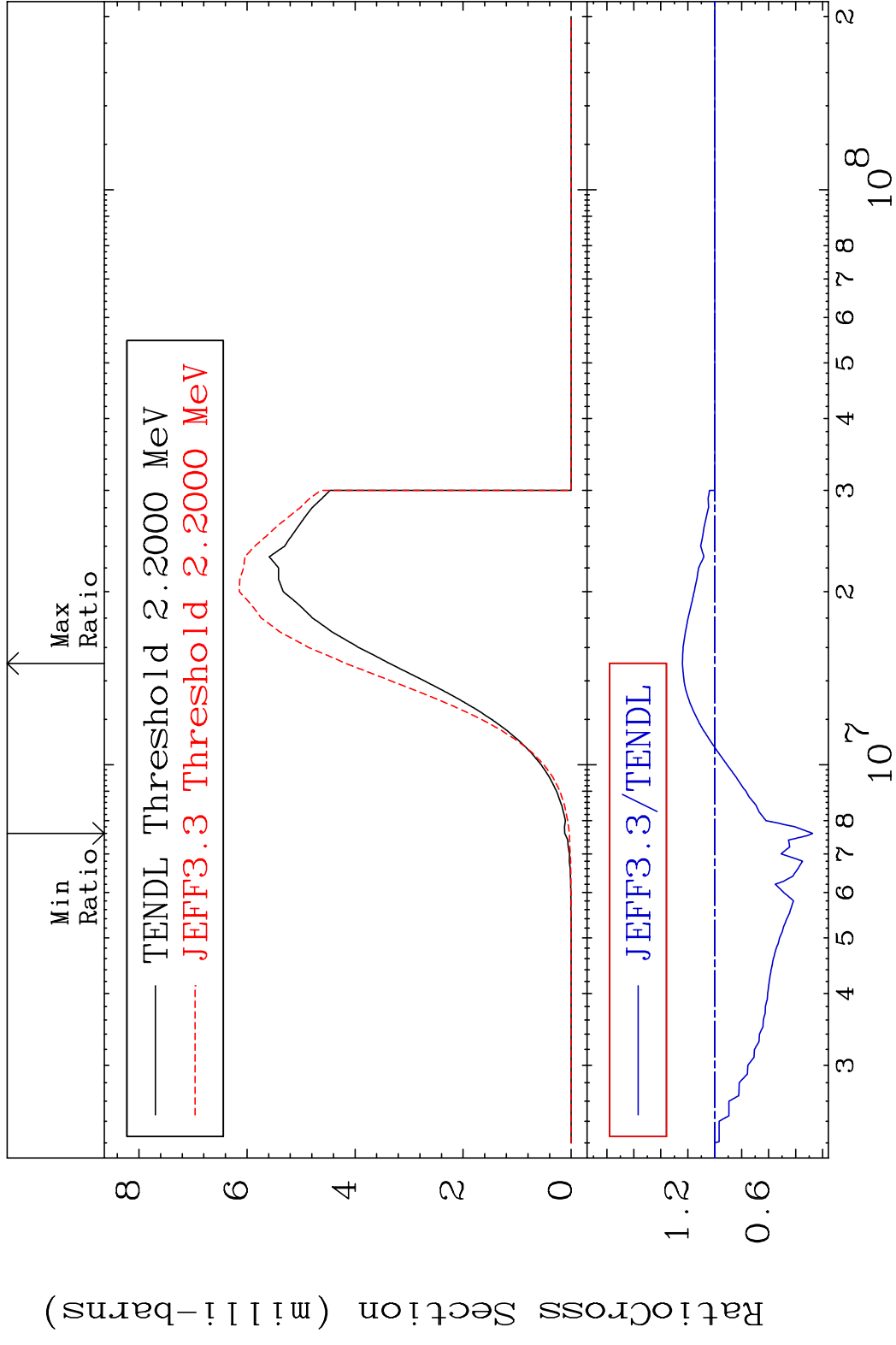


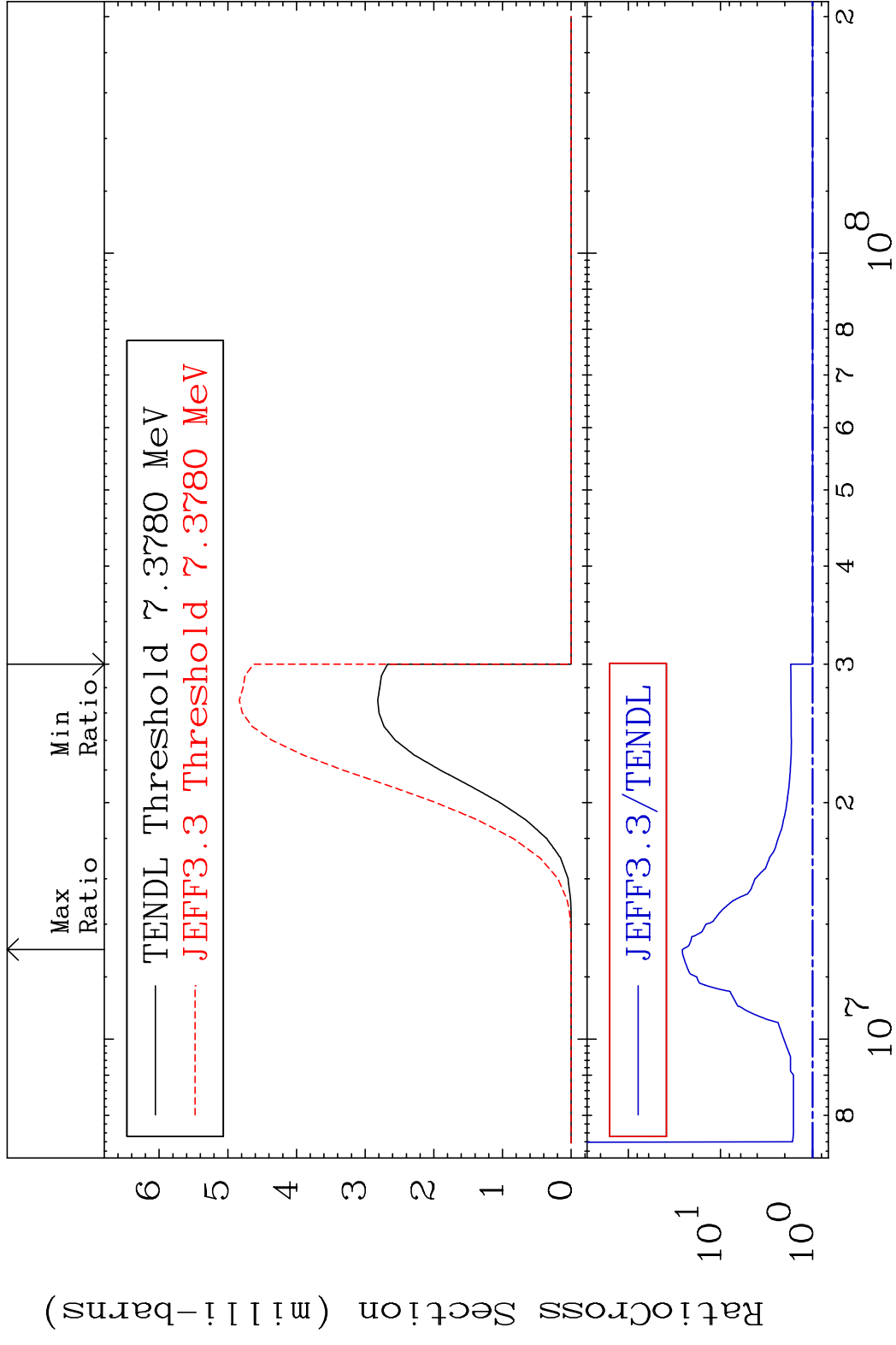


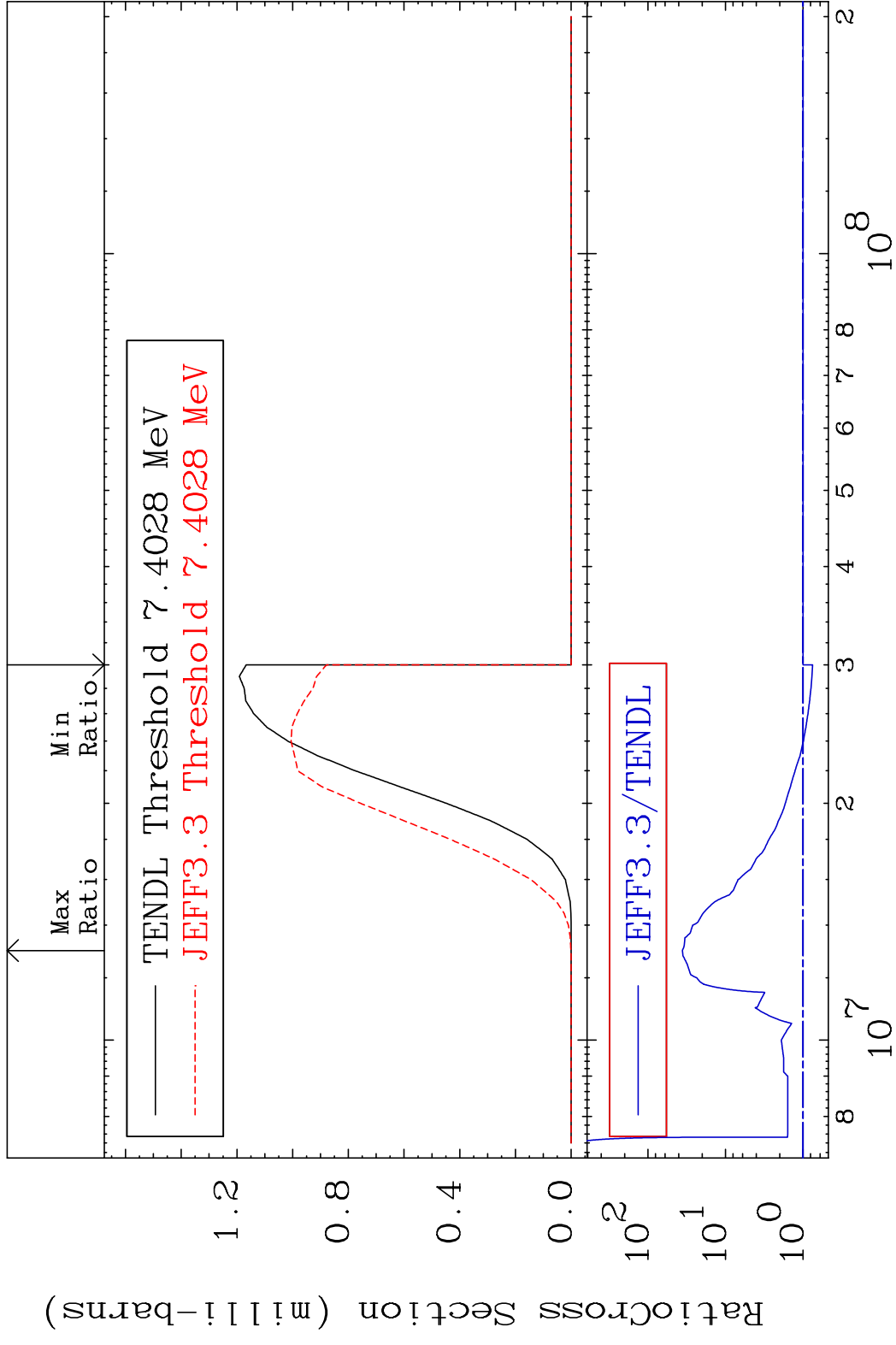


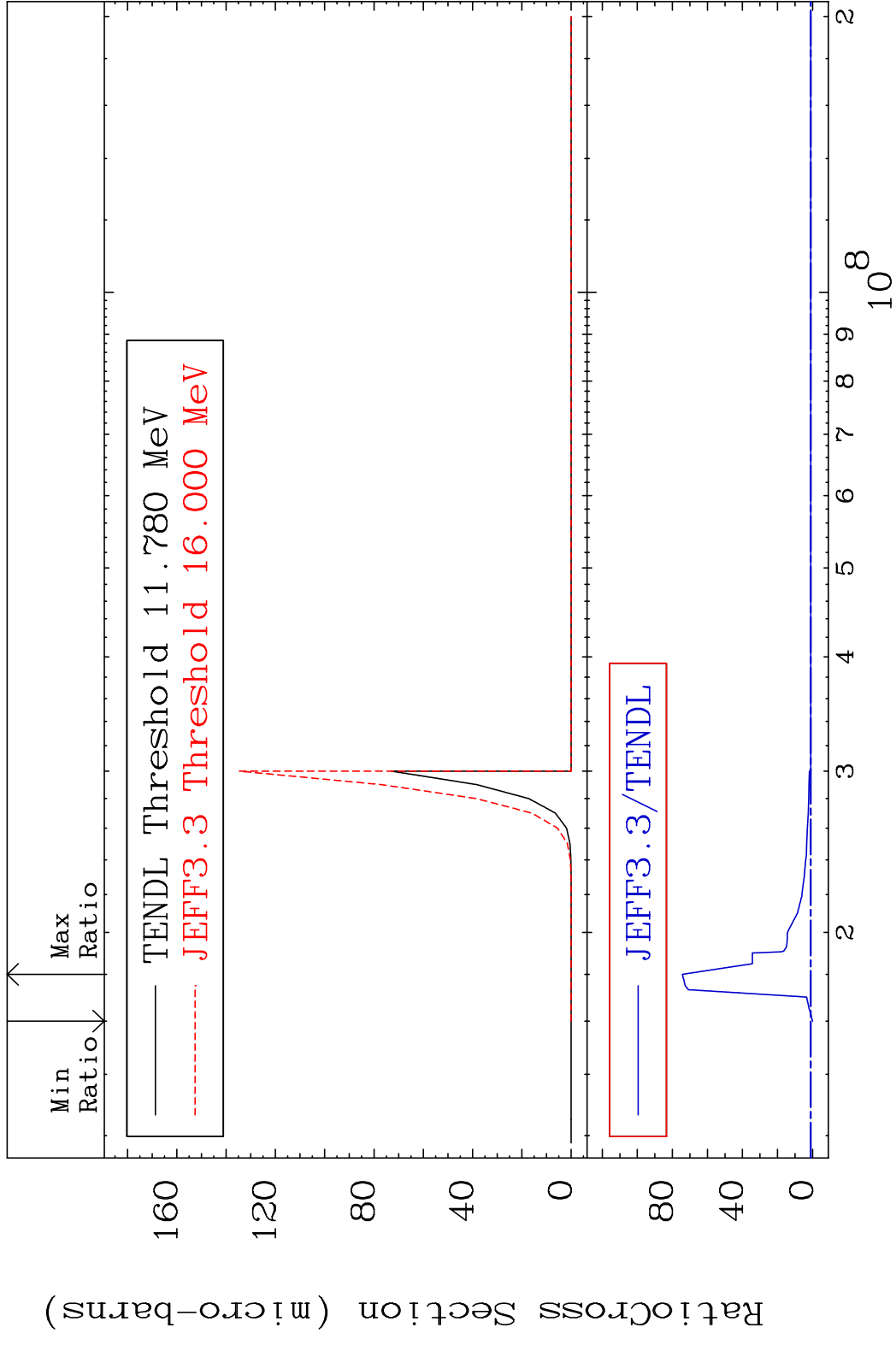
MAT 5137 (n,p):50-Sn-125g 51-Sb-125
 Radionuclide Production Cross Section 67.99 dth 67.21 %

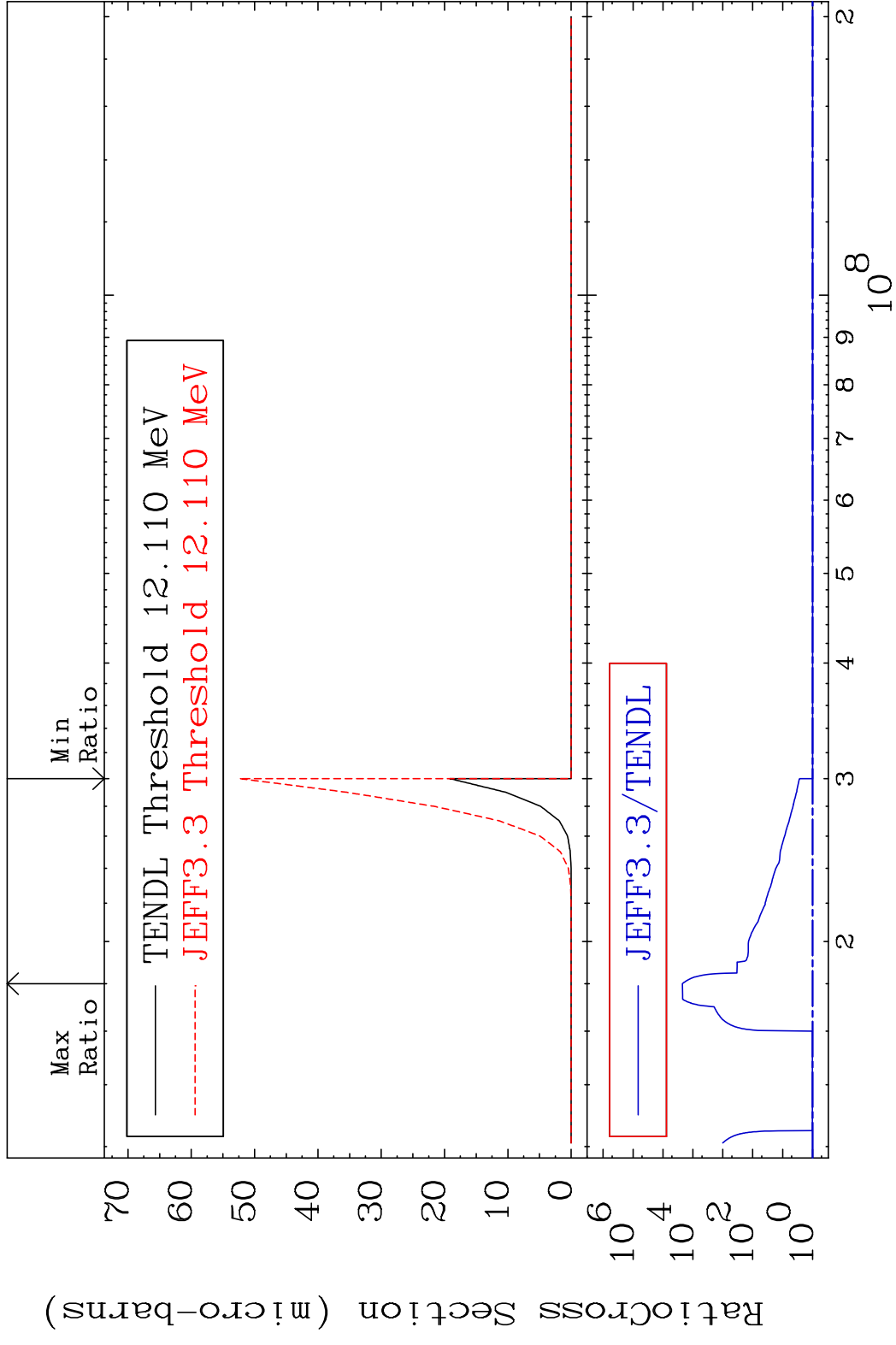


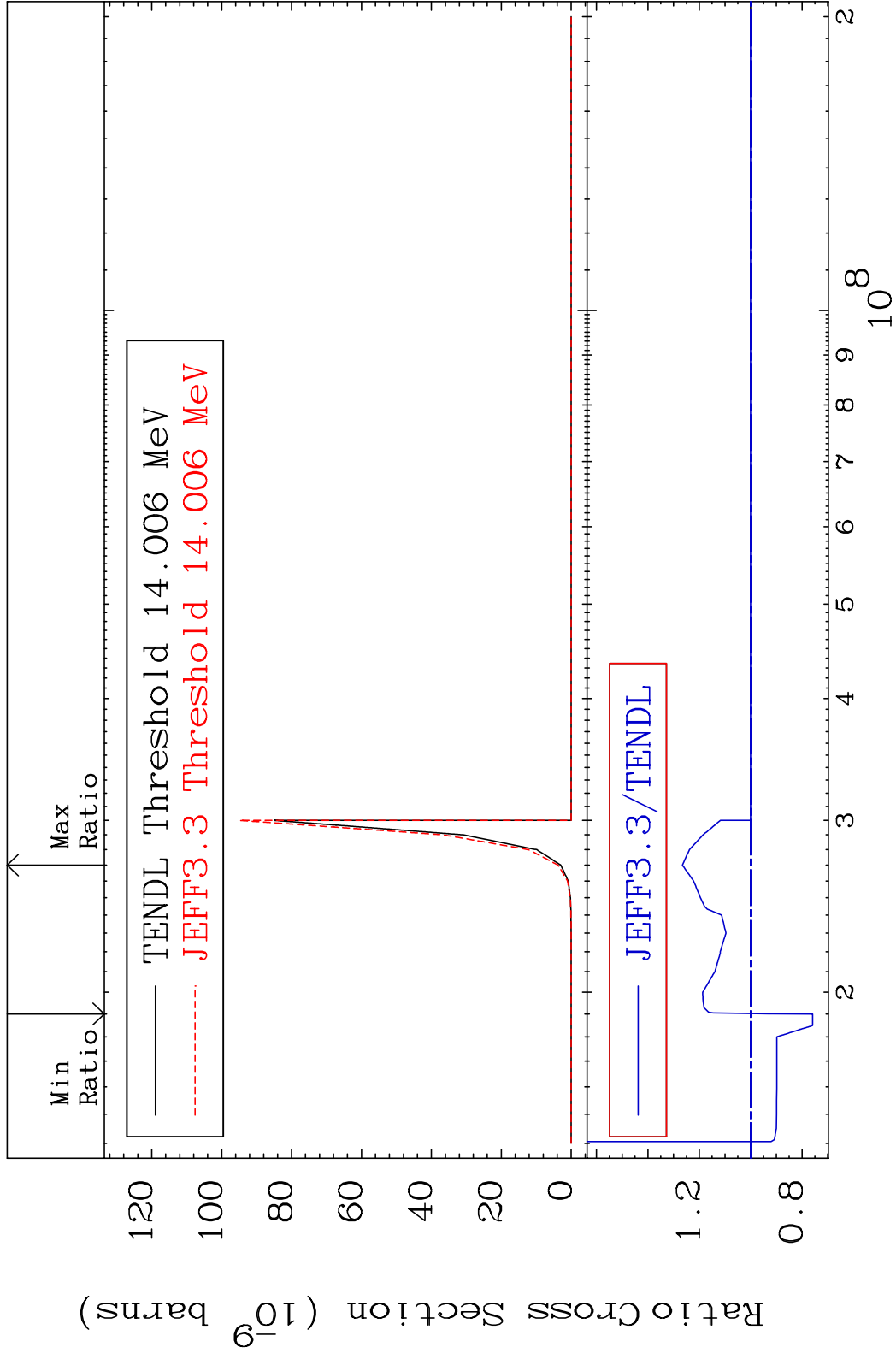


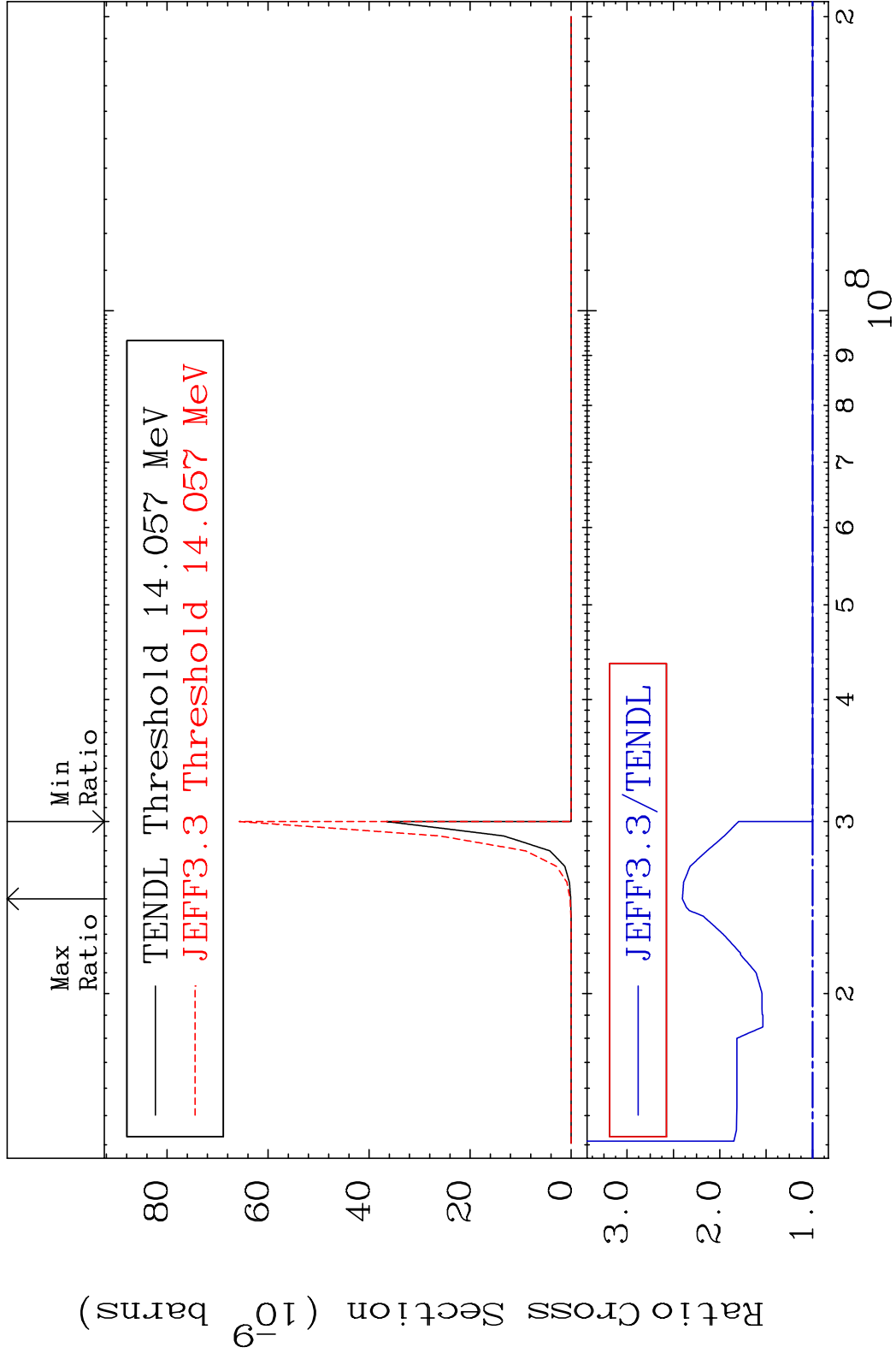




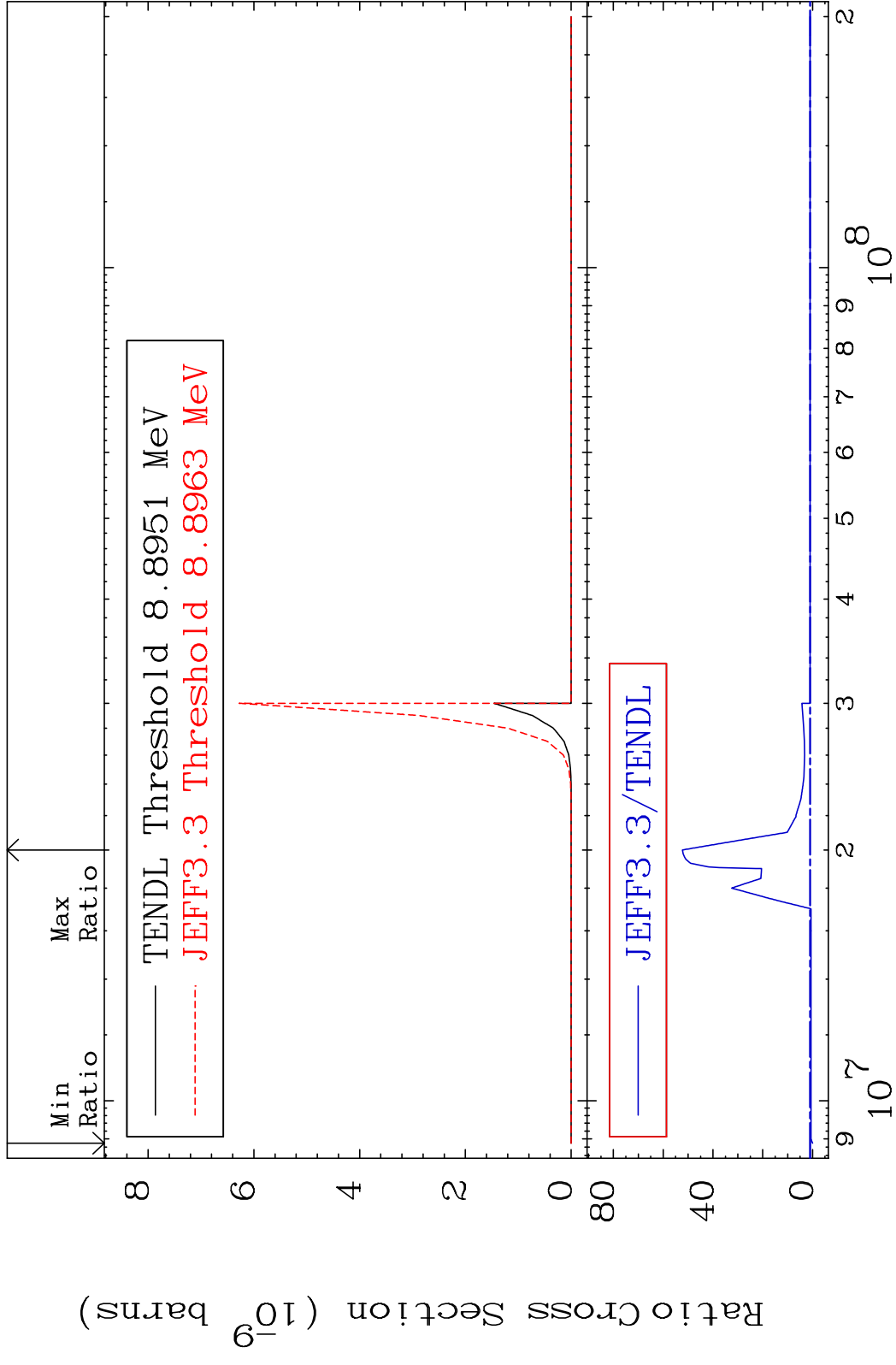






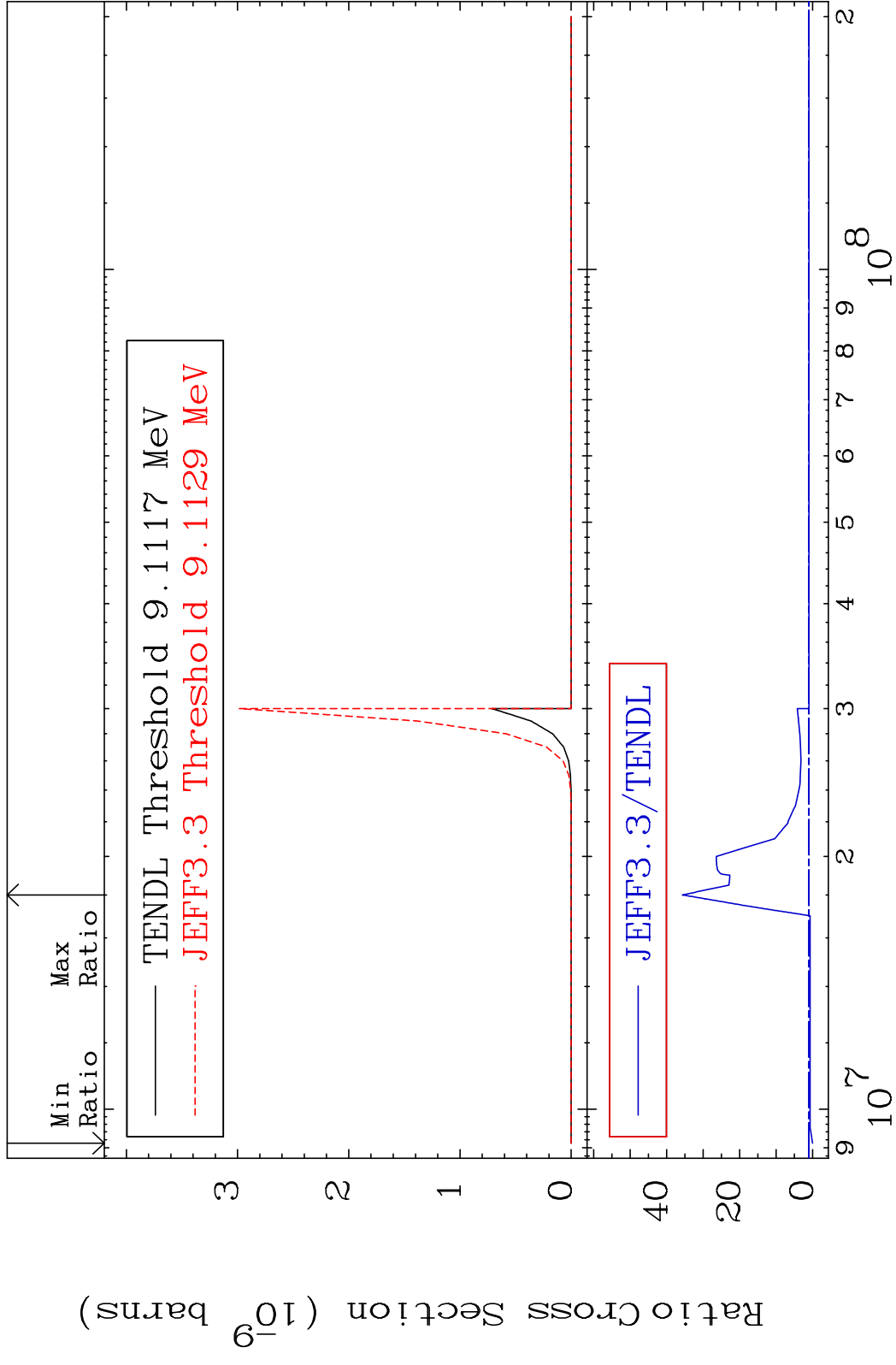


MAT 5137 (n,p) α :48-Cd-121g 51-Sb-125
 Radionuclide Production Cross Section 1800 d to 5130. %



103 Incident Energy (eV) 51-Sb-125

MAT 5137 (n, p) α : 48-Cd-121m2 51-Sb-125
 Radionuclide Production Cross Section Ratio 3468. %



104 Incident Energy (eV) 51-Sb-125