

Program Complot
(Version 2021-1)

by

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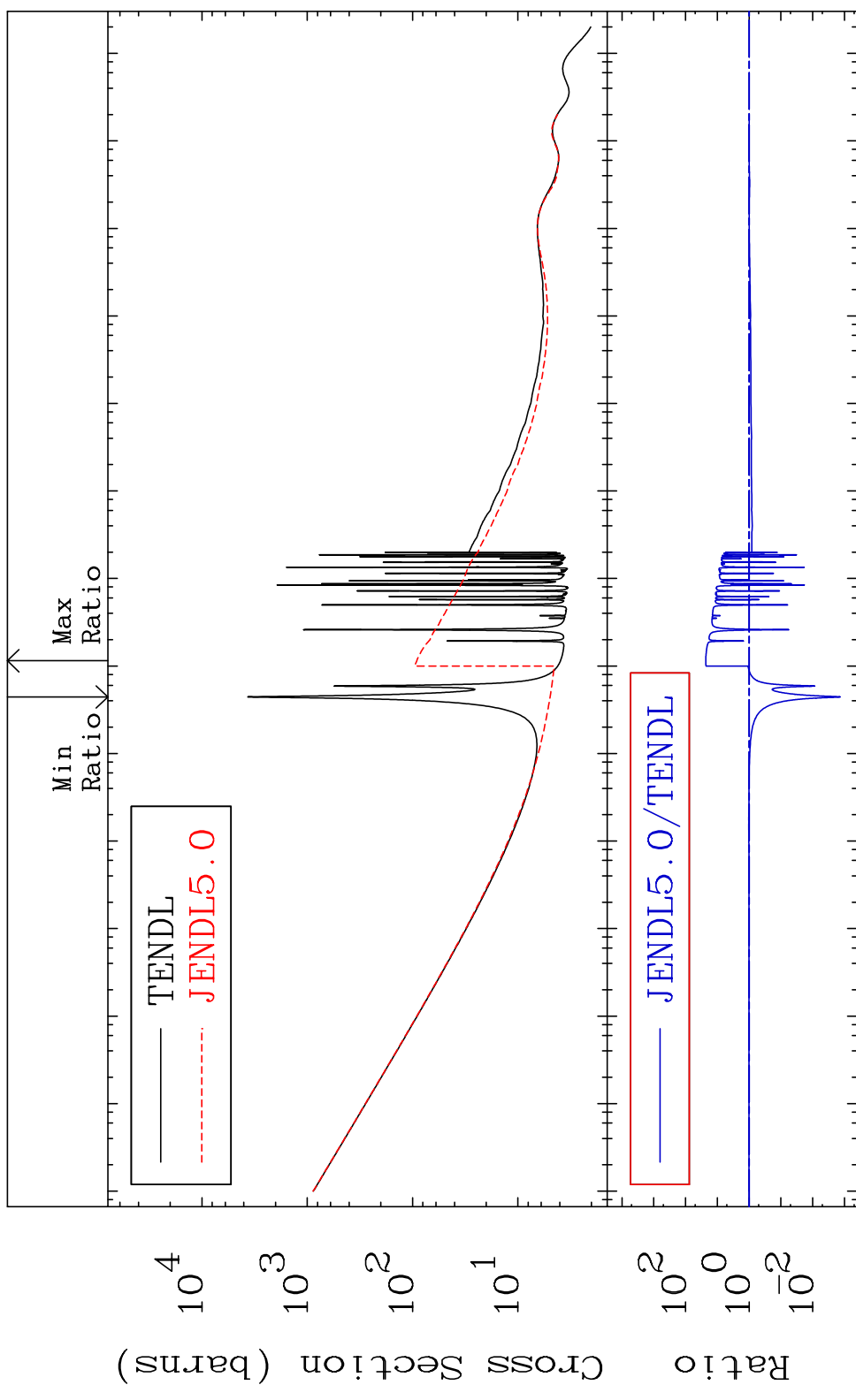
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5134

Total
Cross Section -99.87 To 2213. %

51-Sb-124



1

Incident Energy (eV)

51-Sb-124

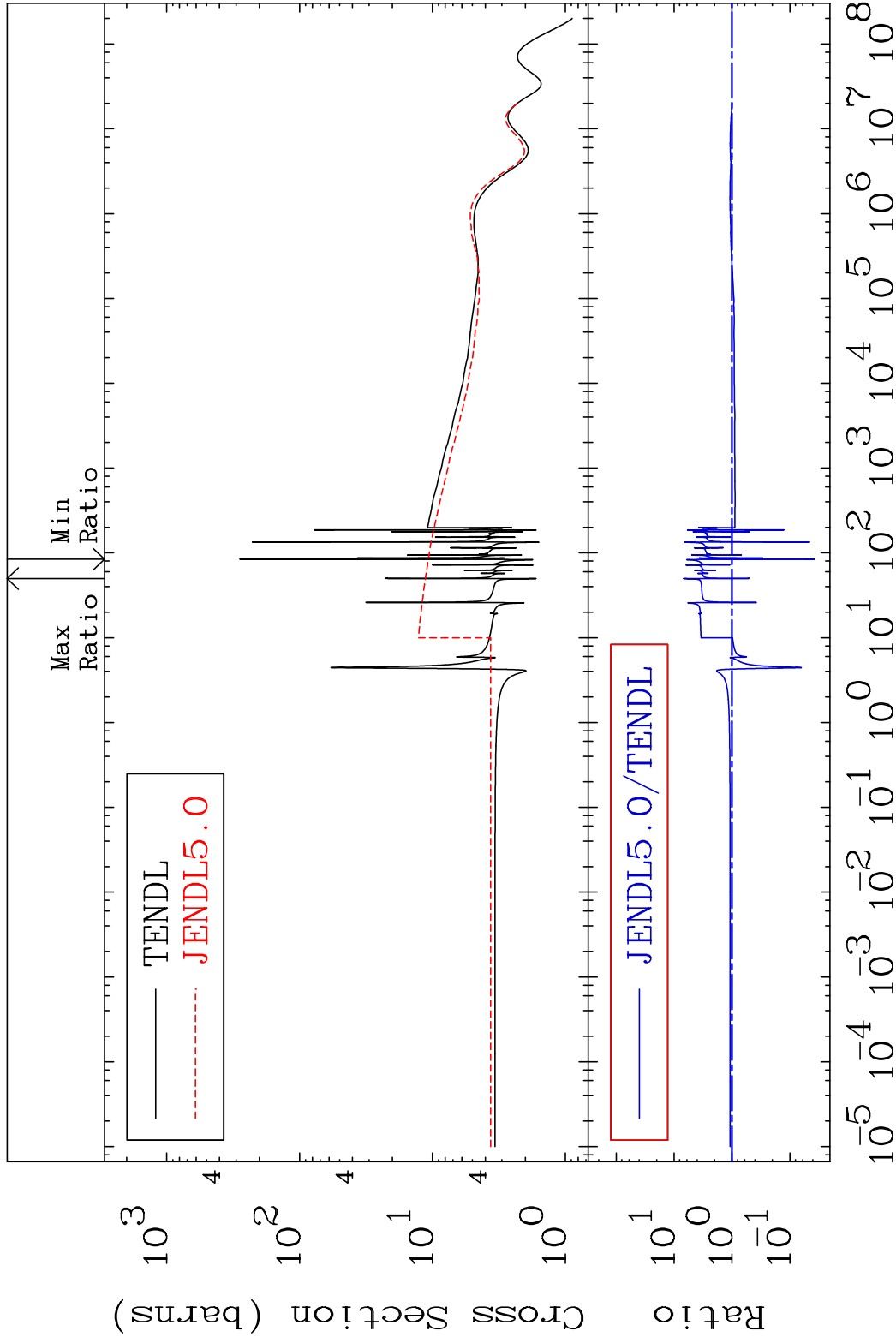
MAT 5134

Elastic

51-Sb-124

Cross Section

-96.19 To 583.2 %



2

Incident Energy (eV)

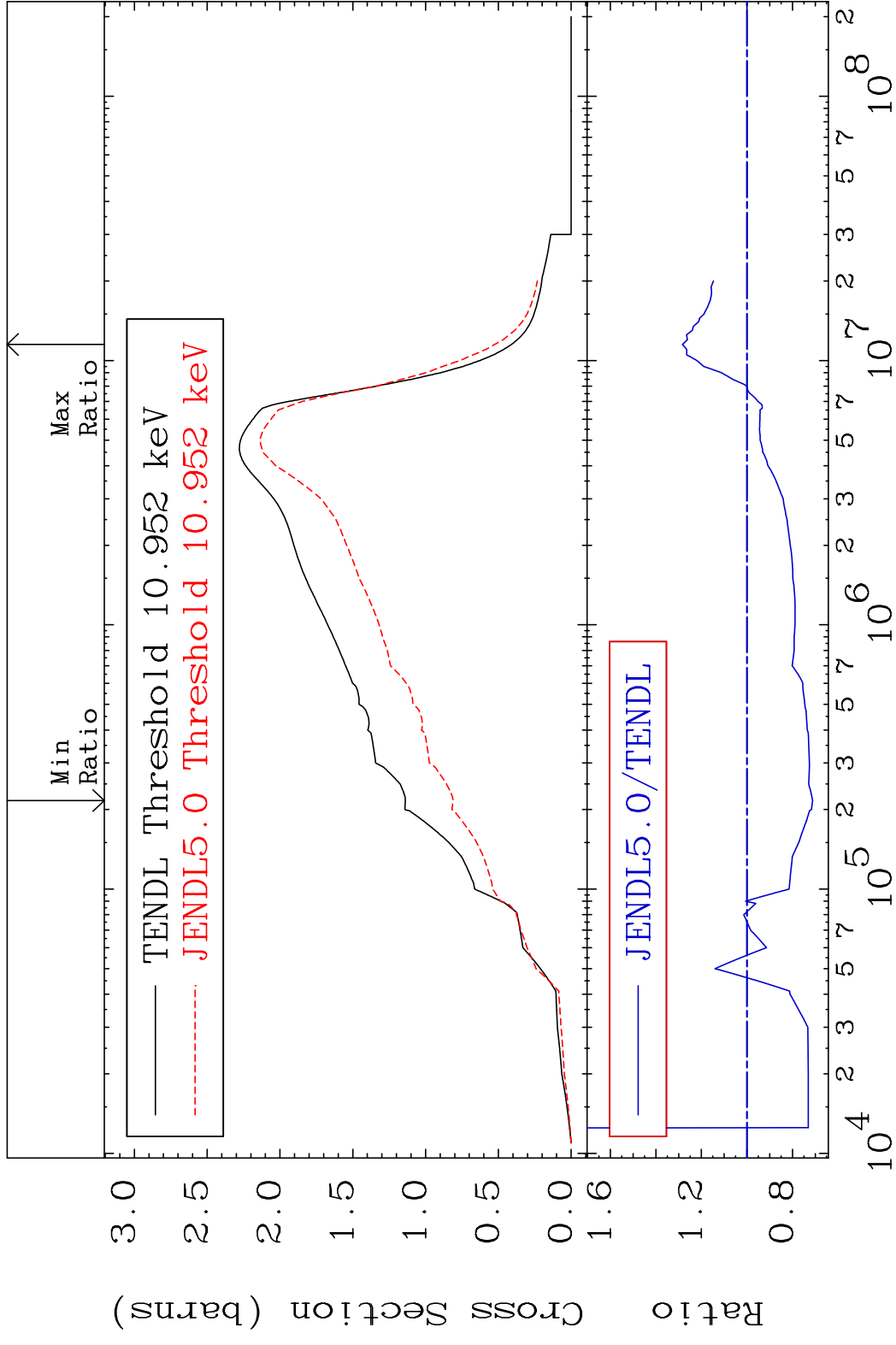
51-Sb-124

MAT 5134

51-Sb-124

Inelastic

Cross Section -28.82 To 28.37 %



51-Sb-124

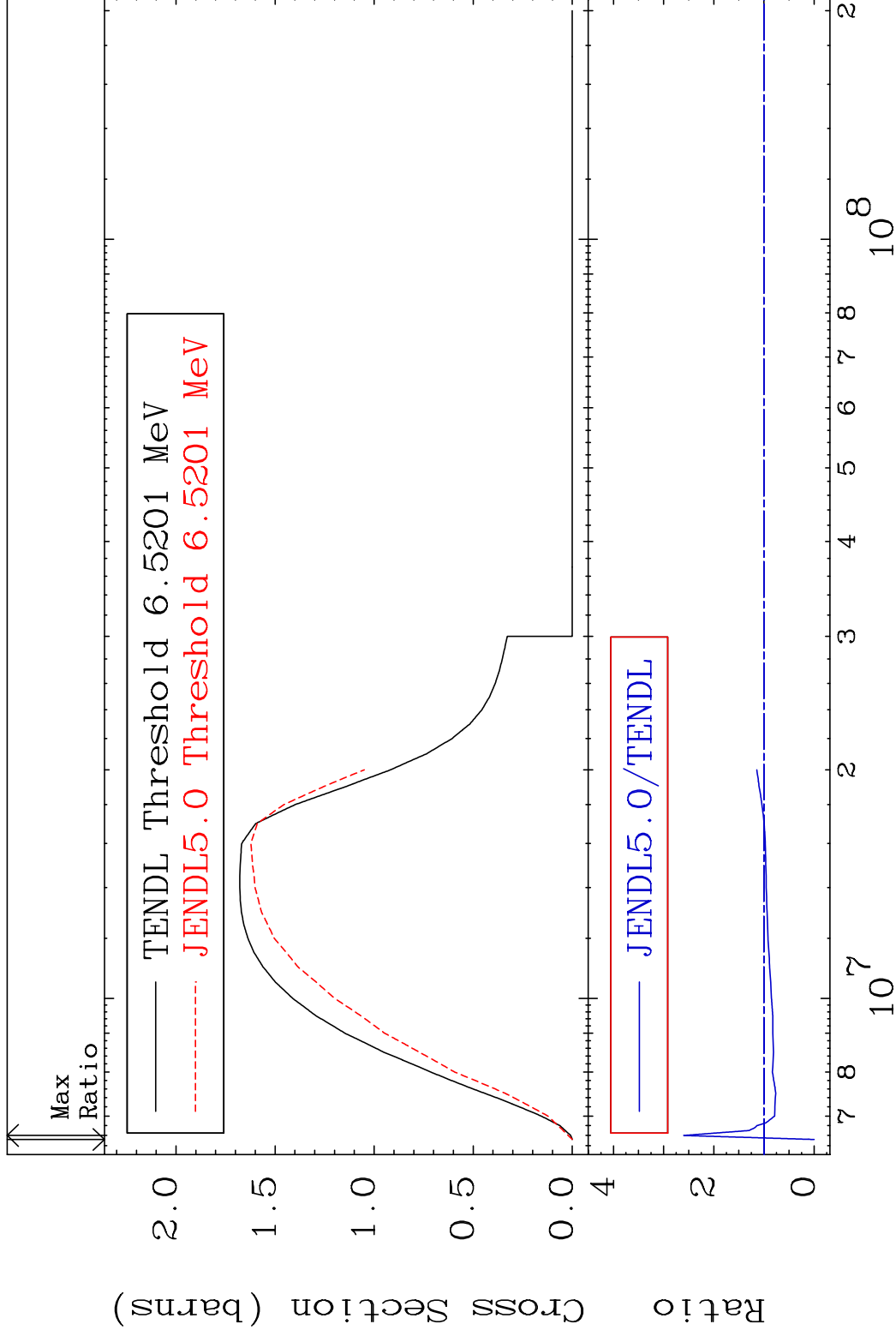
Incident Energy (eV)

MAT 5134

(n,2n)

51-Sb-124

Cross Section -100.0 To 160.1 %



4

Incident Energy (eV)

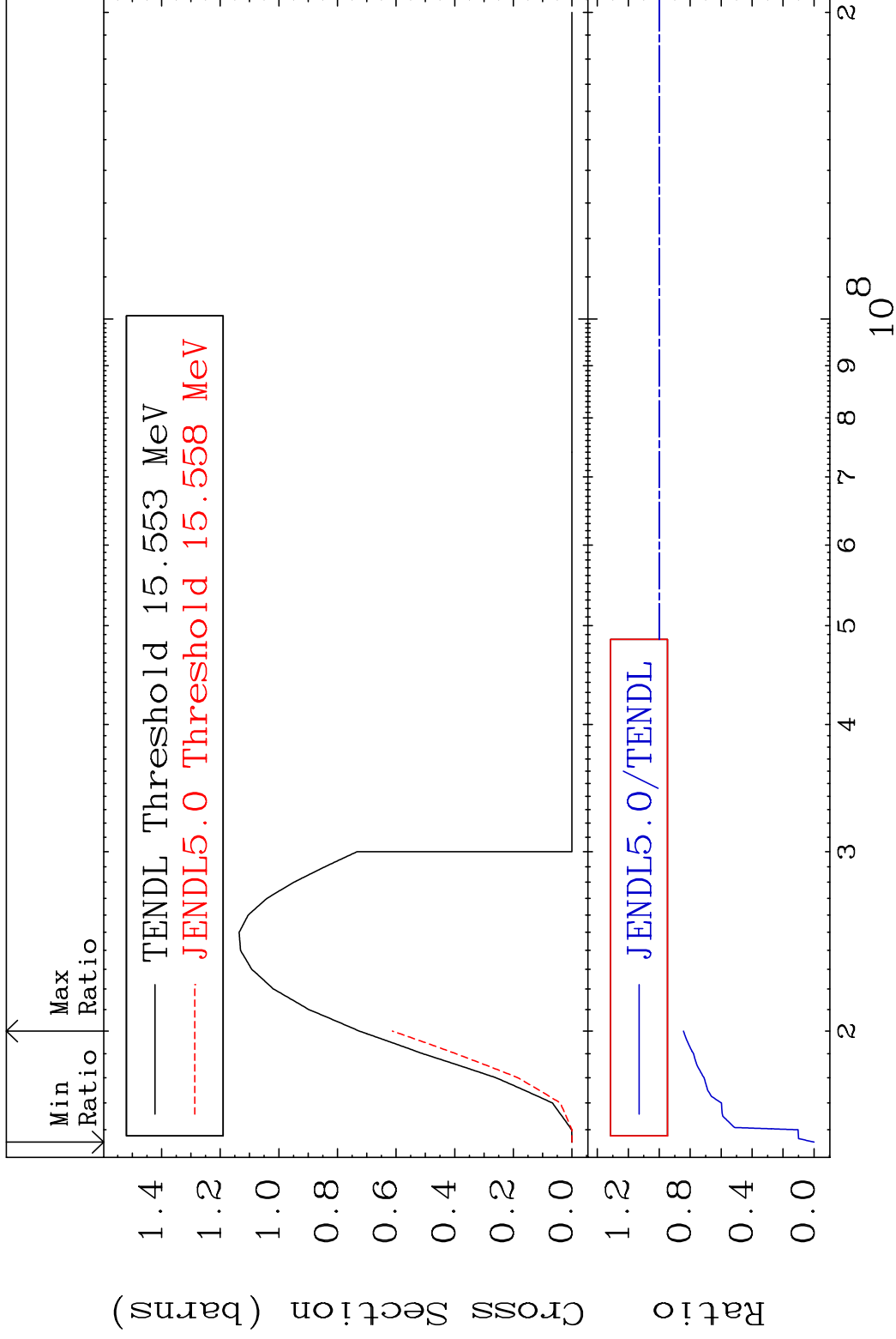
51-Sb-124

MAT 5134

(n,3n)

51-Sb-124

Cross Section -100.0 To -15.63%



5

Incident Energy (eV)

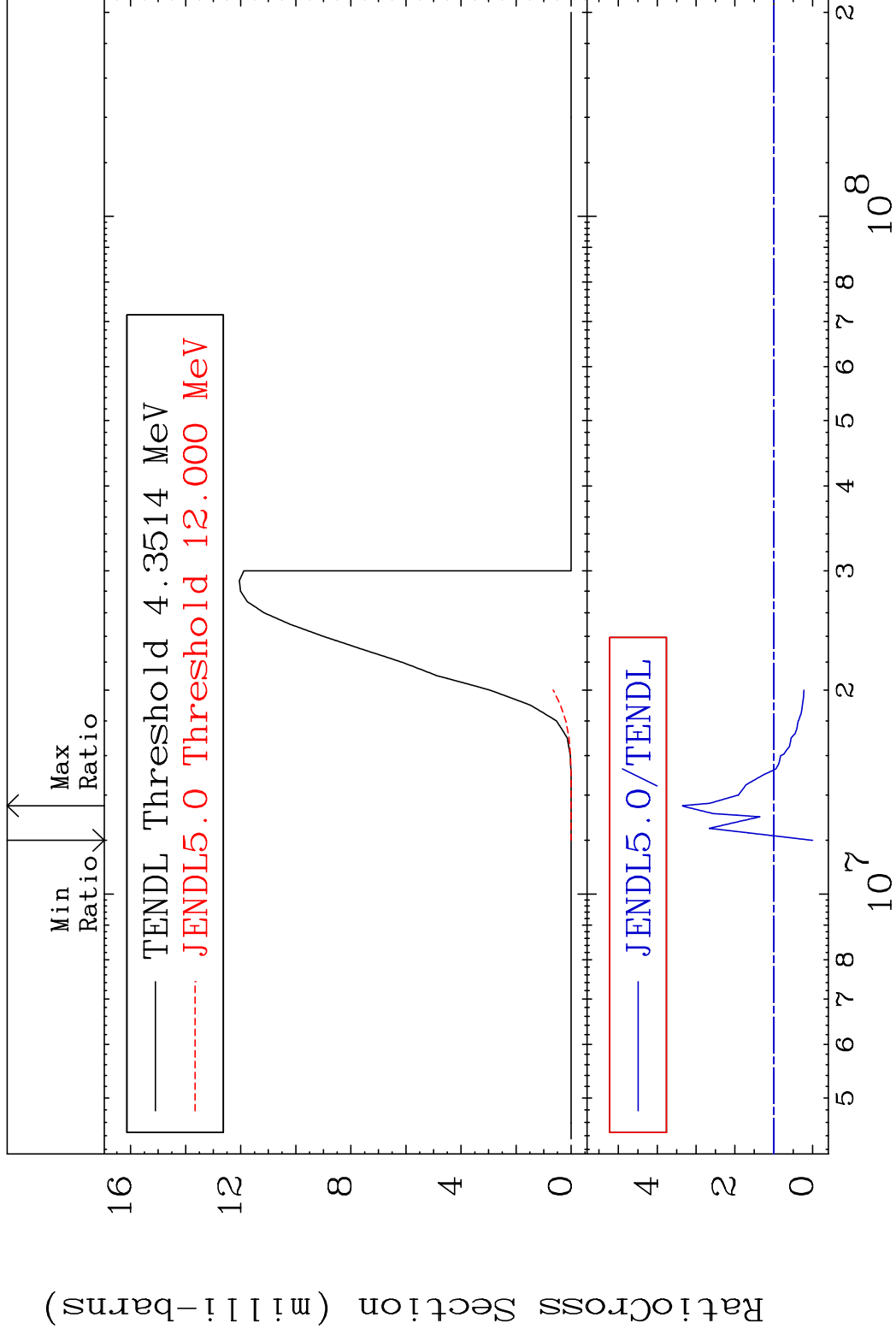
51-Sb-124

MAT 5134

(n, n') α

51-Sb-124

Cross Section -100.0 To 235.3 %



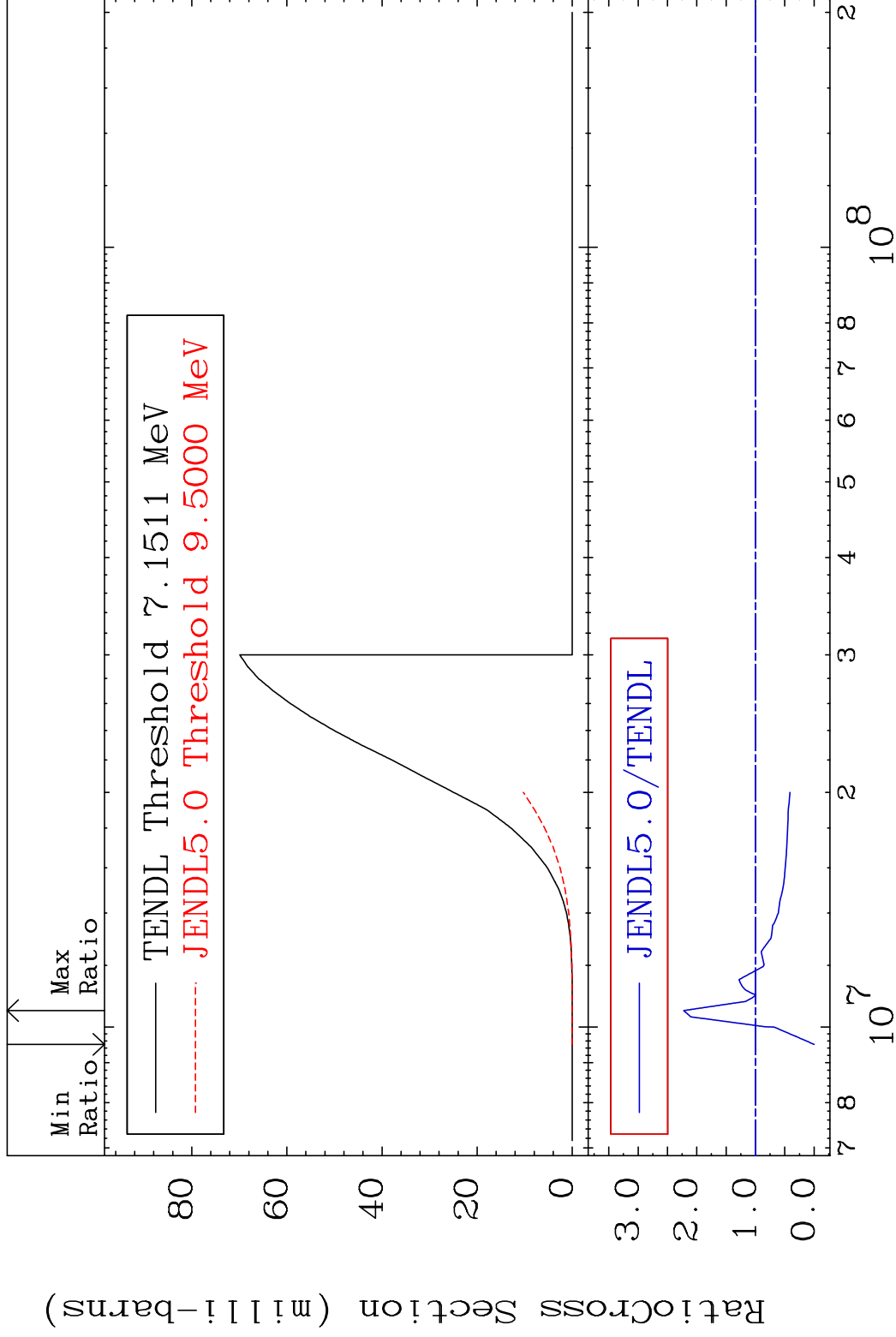
6

Incident Energy (eV)

51-Sb-124

MAT 5134

(n, n') p 51-Sb-124
Cross Section -100.0 To 122.4 %



7

Incident Energy (eV)

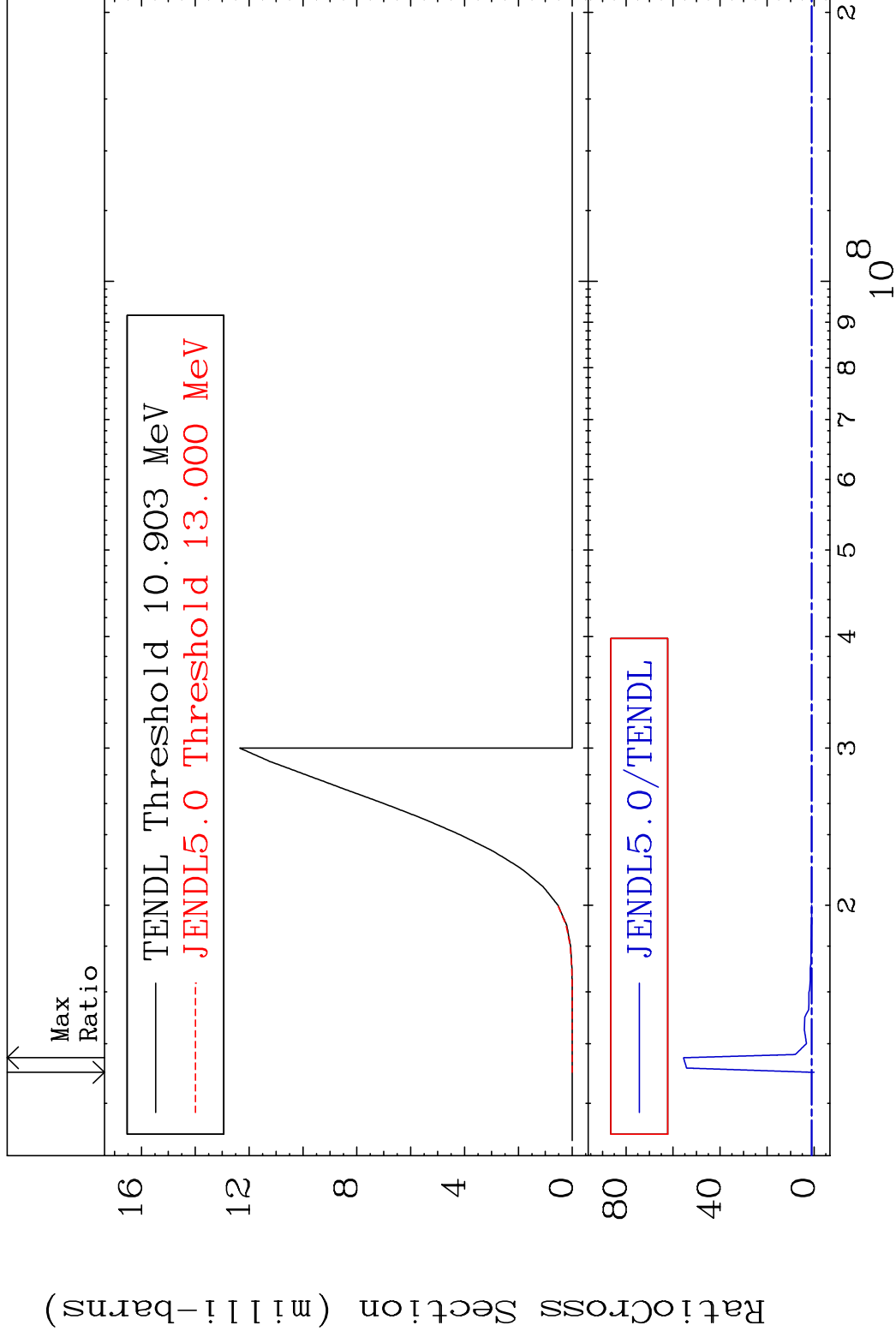
51-Sb-124

MAT 5134

(n, n') d

51-Sb-124

Cross Section -100.0 To 5448. %

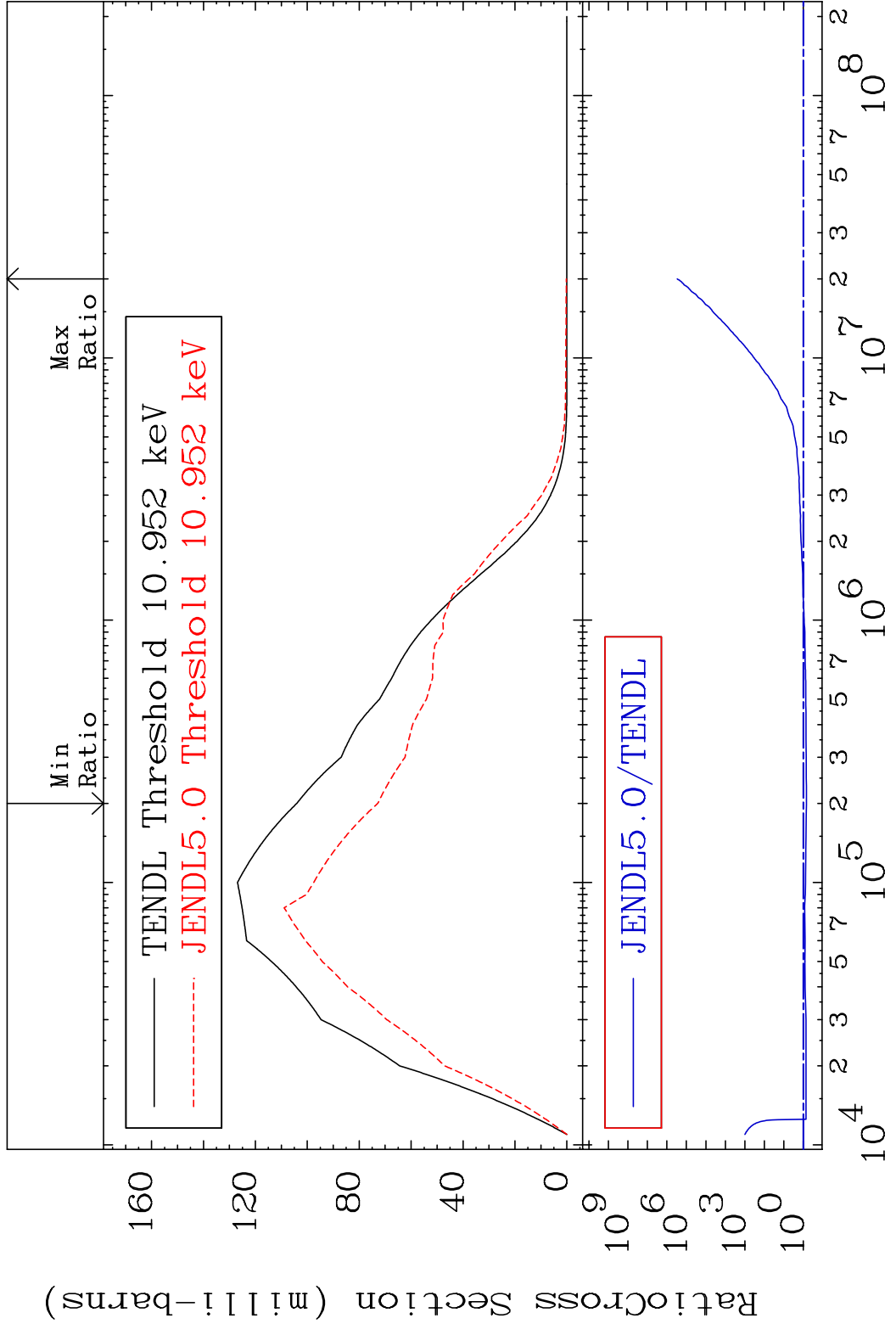


8

Incident Energy (eV)

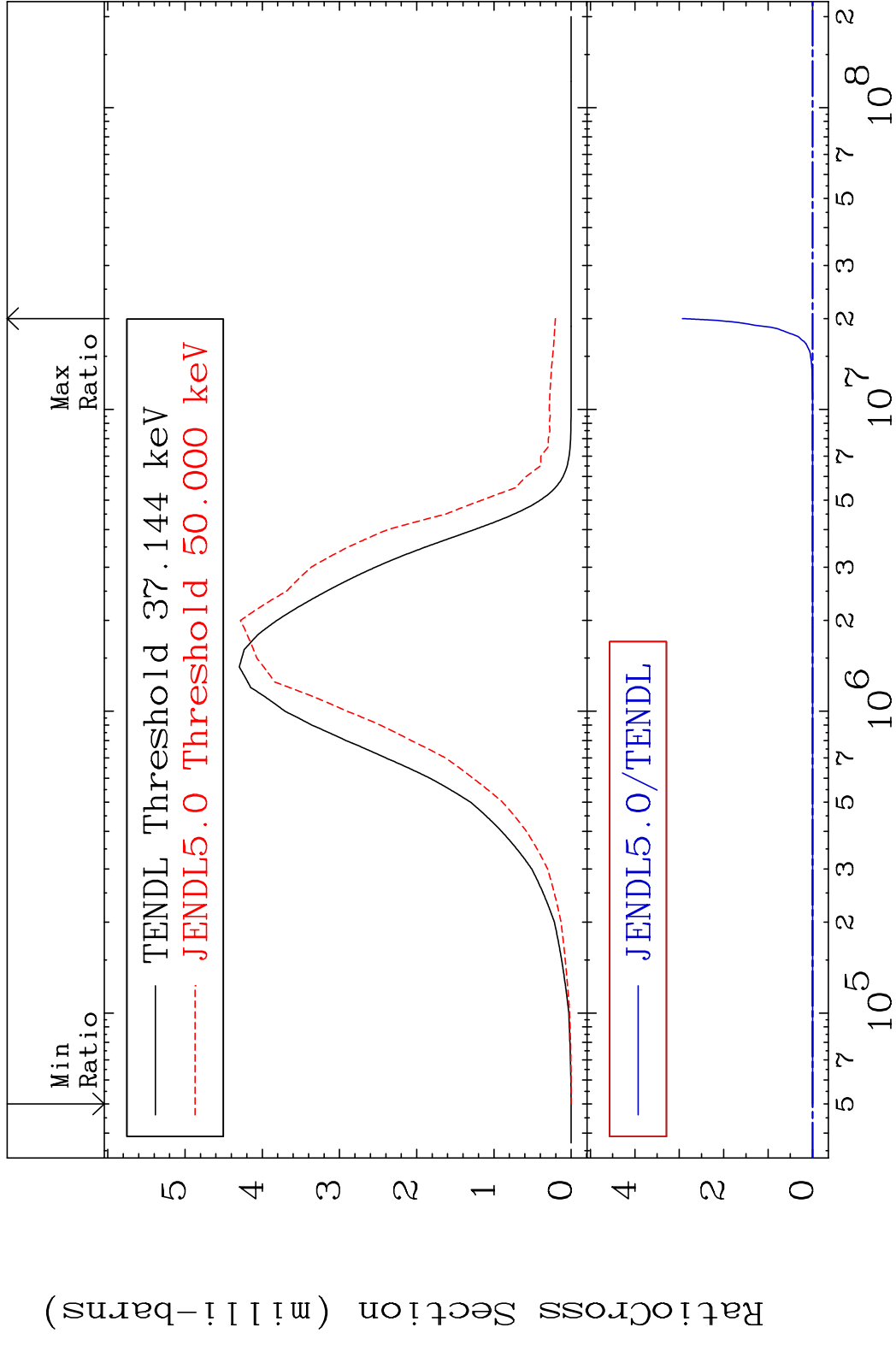
51-Sb-124

MAT 5134 MT= 51 (n, n') Level 51-Sb-124
 Cross Section -29.98 To 9999. %



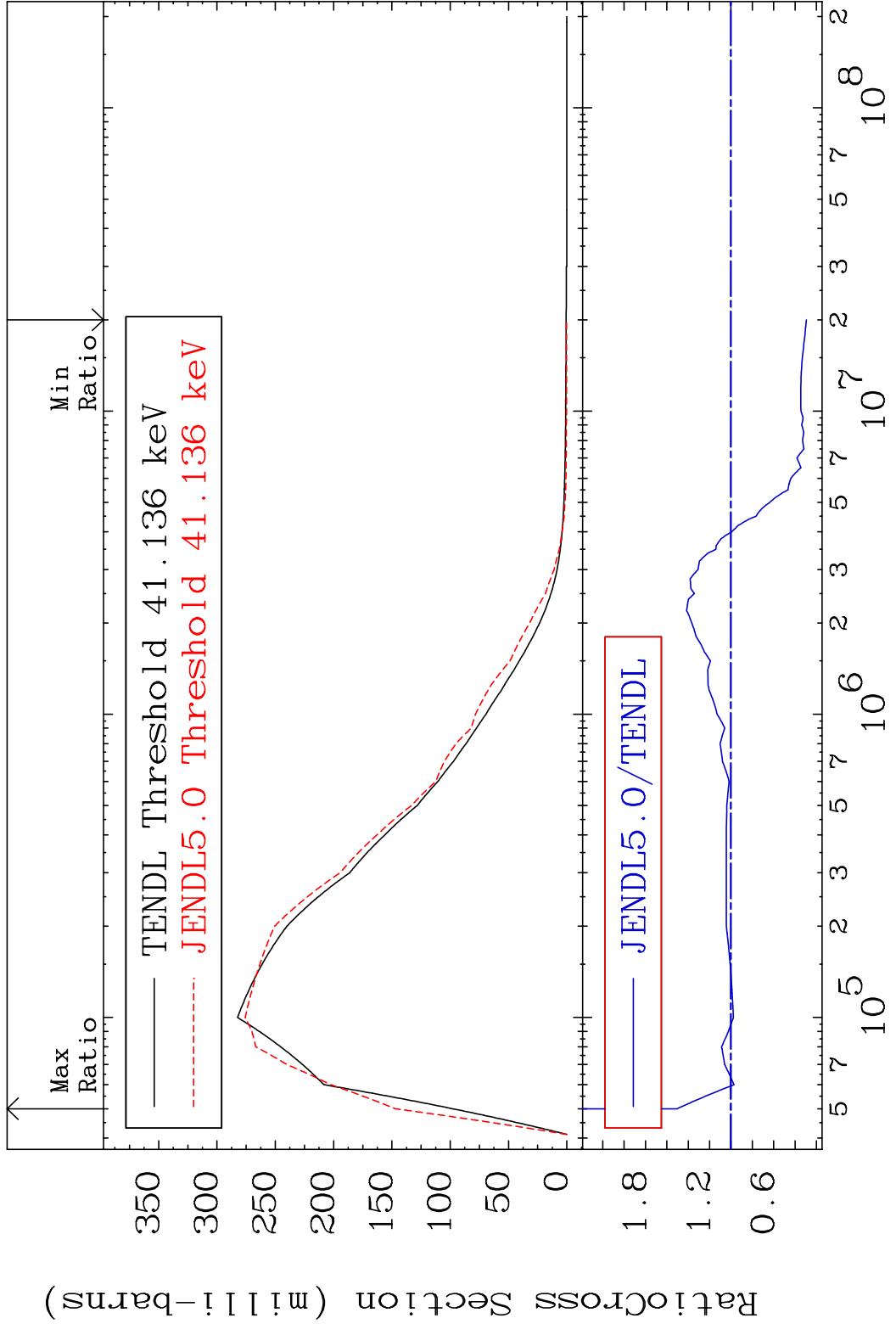
9 Incident Energy (eV) 51-Sb-124

MAT 5134 MT= 52 (n, n') Level 51-Sb-124
 Cross Section -100.0 To 9999. %

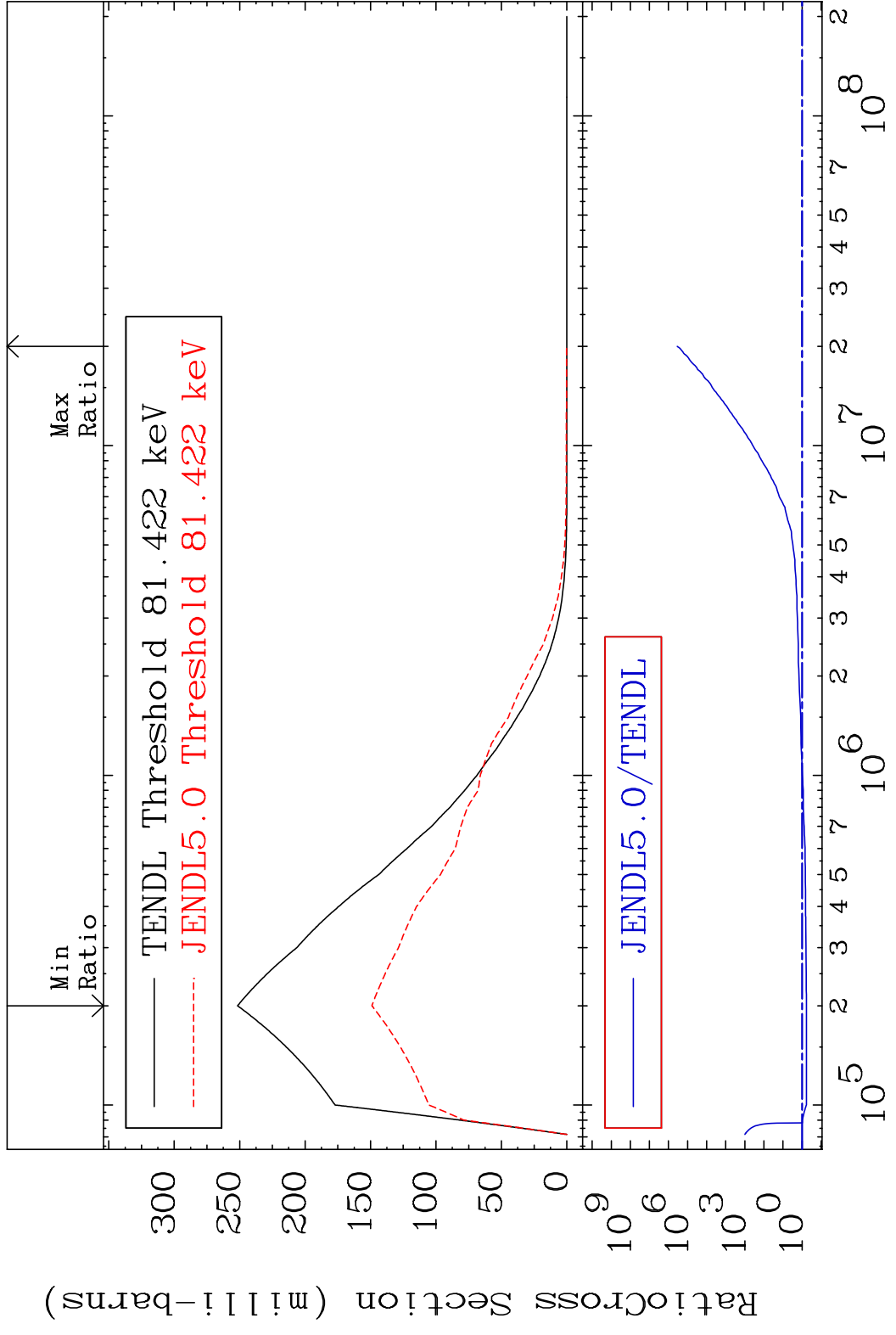


10 Incident Energy (eV) 51-Sb-124

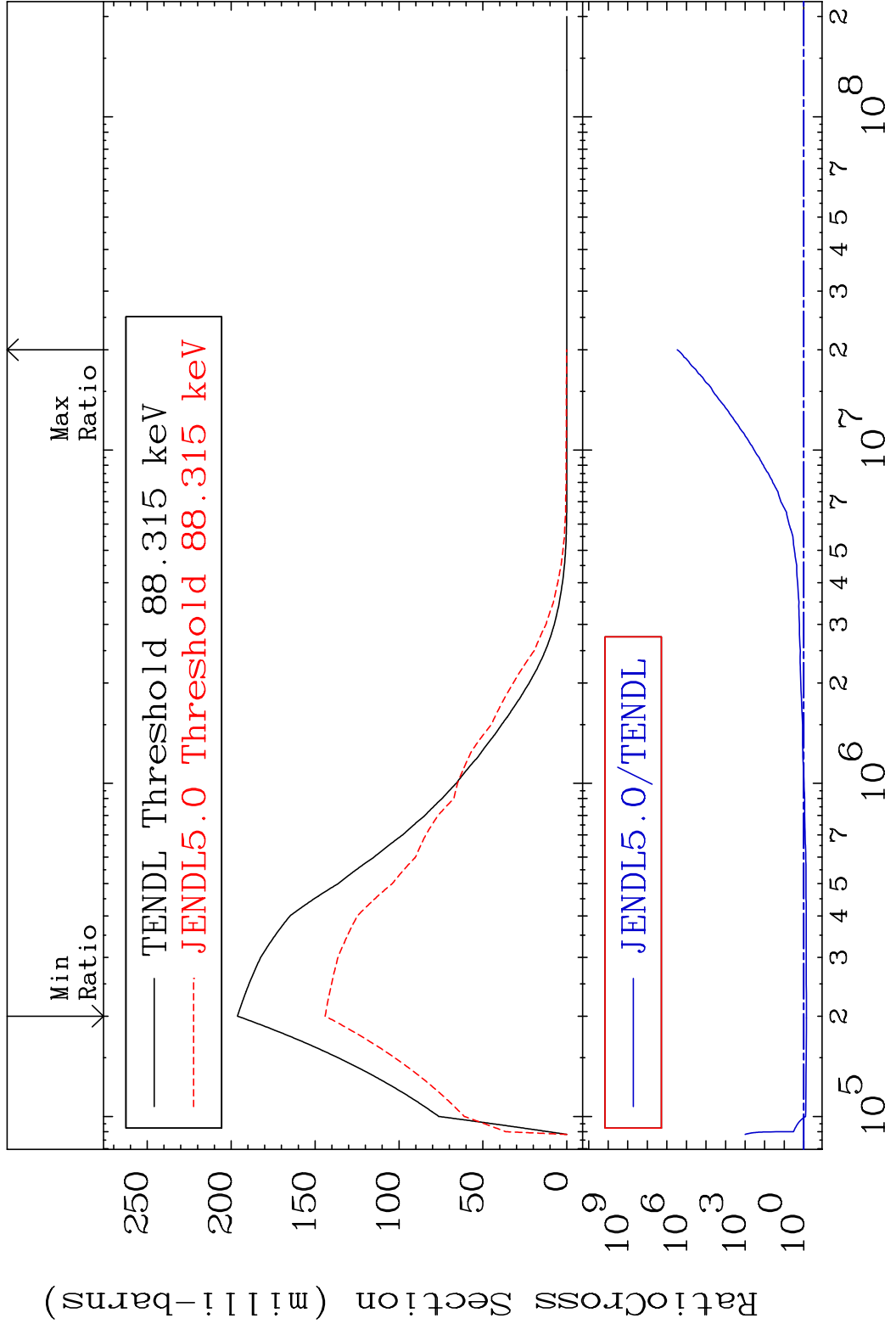
MAT 5134 MT= 53 (n,n') Level 51-Sb-124
 Cross Section -70.65 To 50.32 %



MAT 5134 MT= 54 (n,n') Level 51-Sb-124
 Cross Section -40.79 To 9999. %

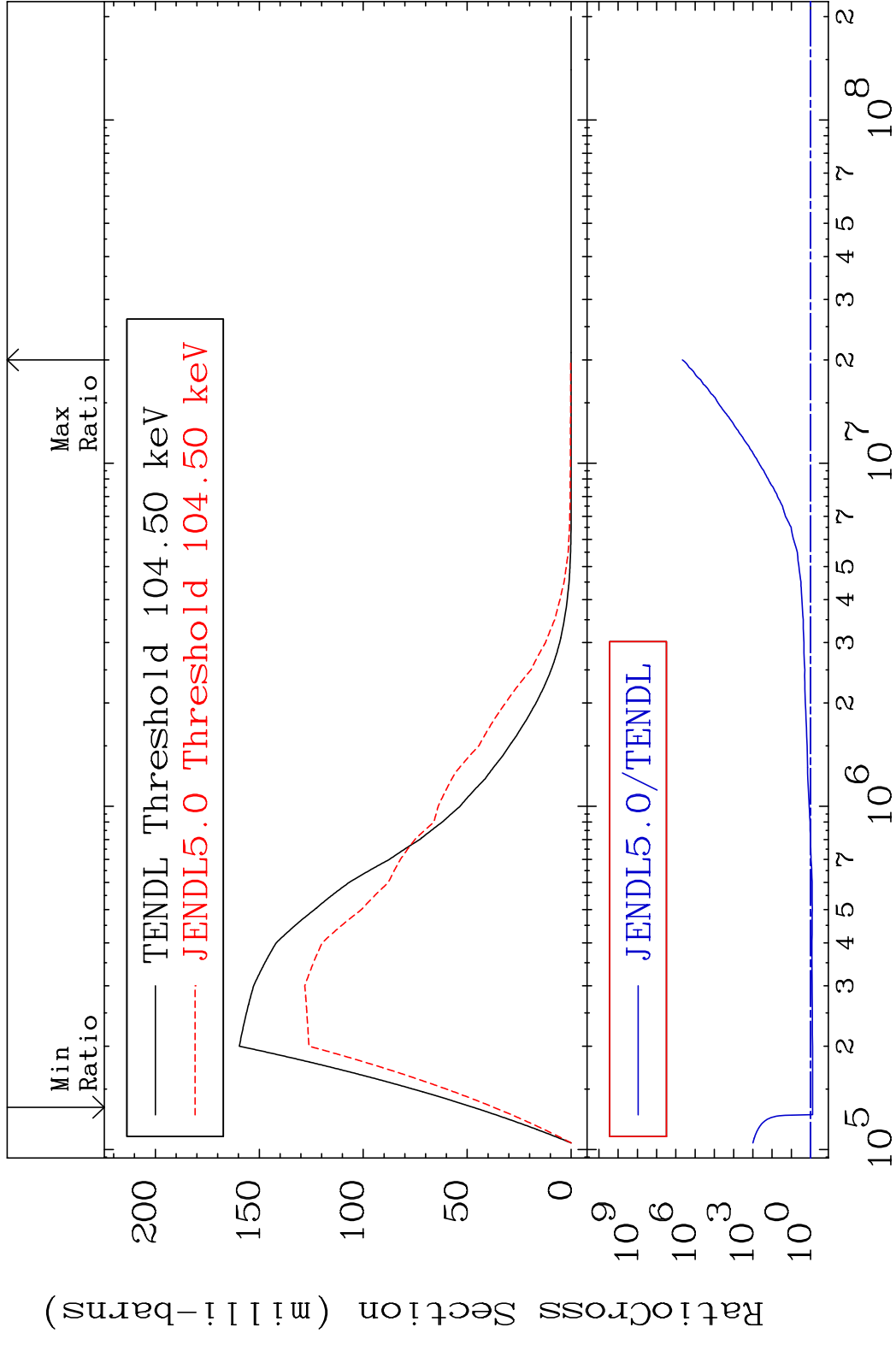


MAT 5134 MT= 55 (n,n') Level 51-Sb-124
 Cross Section -26.61 To 9999. %

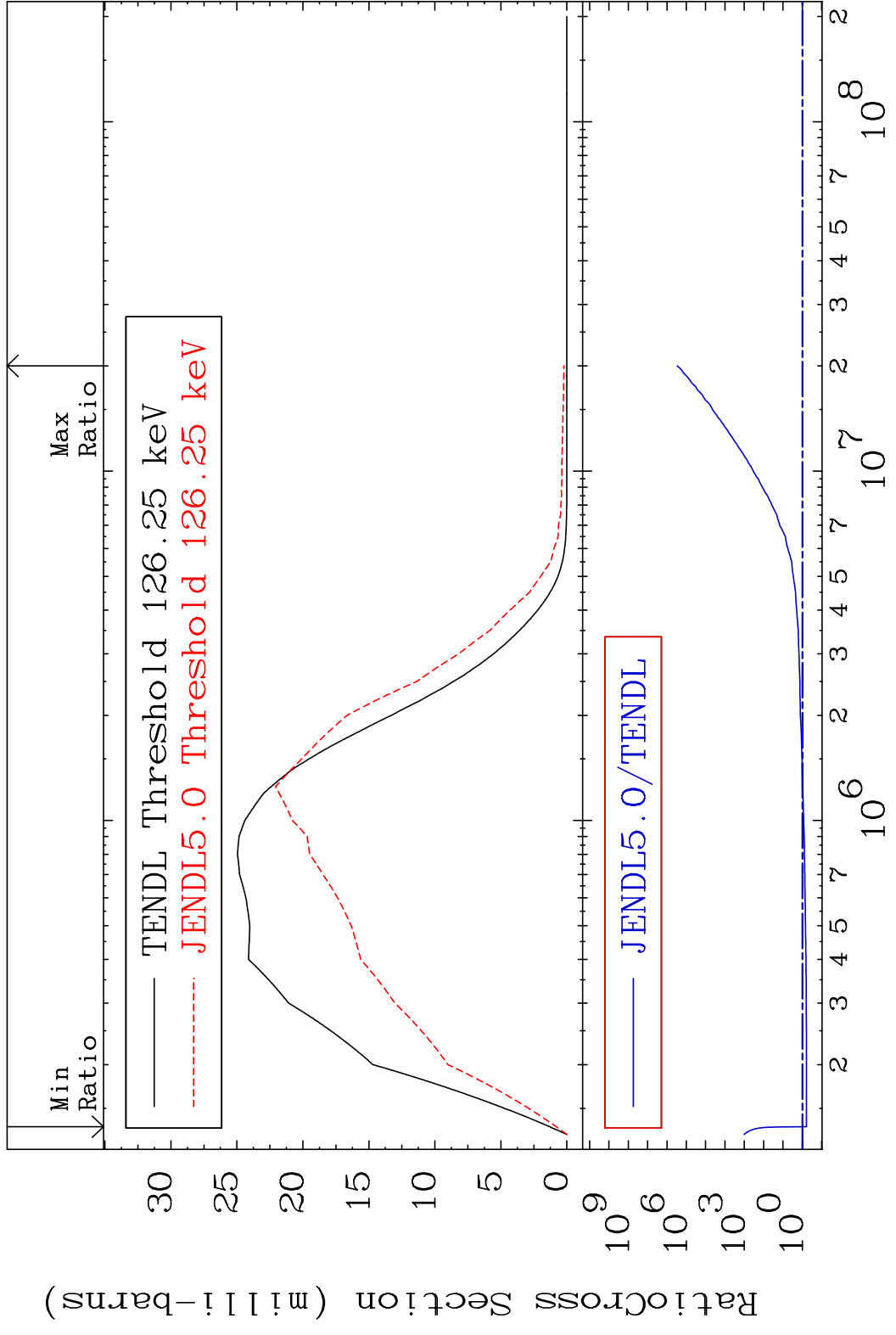


13 Incident Energy (eV) 51-Sb-124

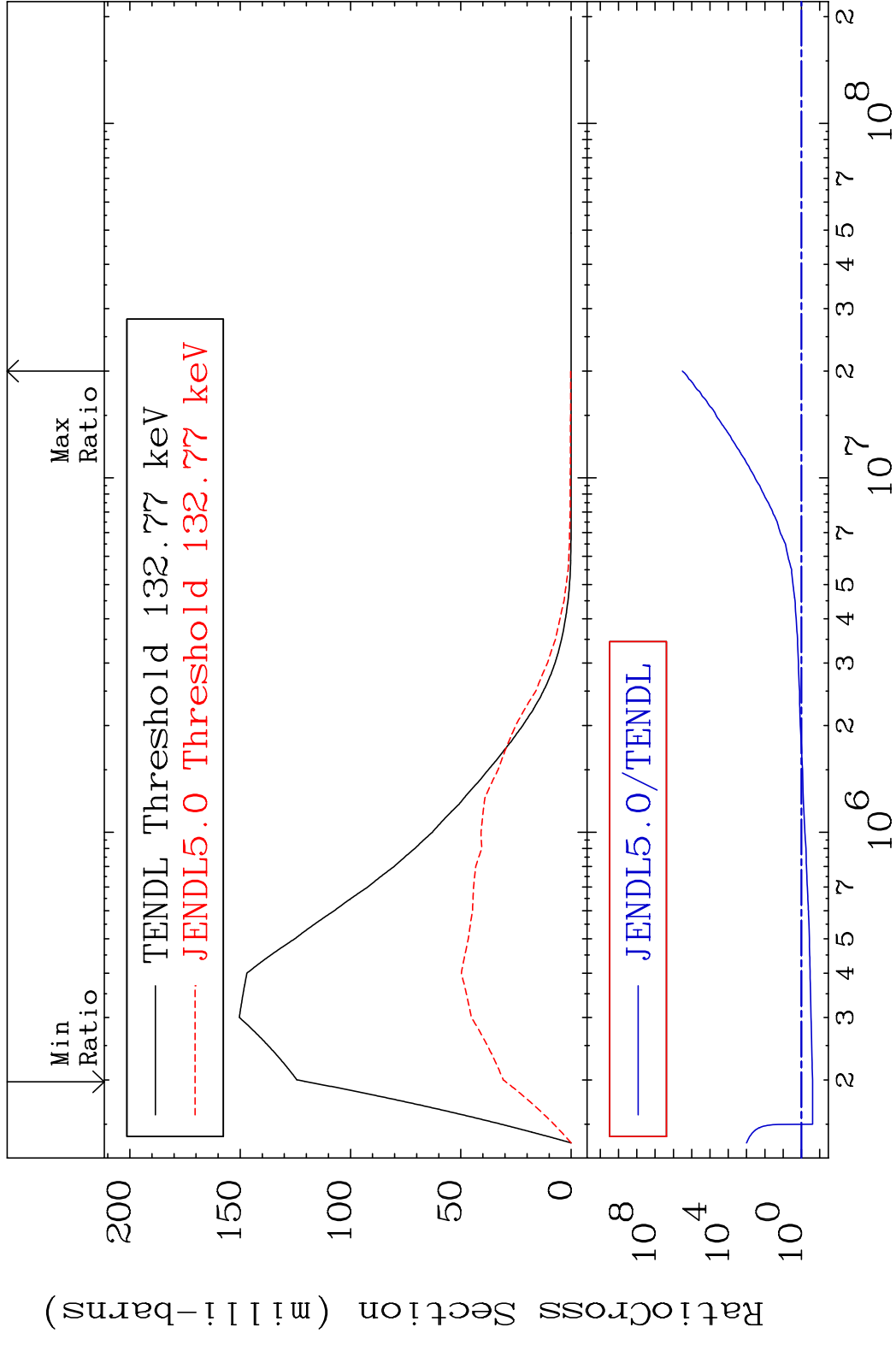
MAT 5134 MT= 56 (n,n') Level 51-Sb-124
 Cross Section -20.99 To 9999. %



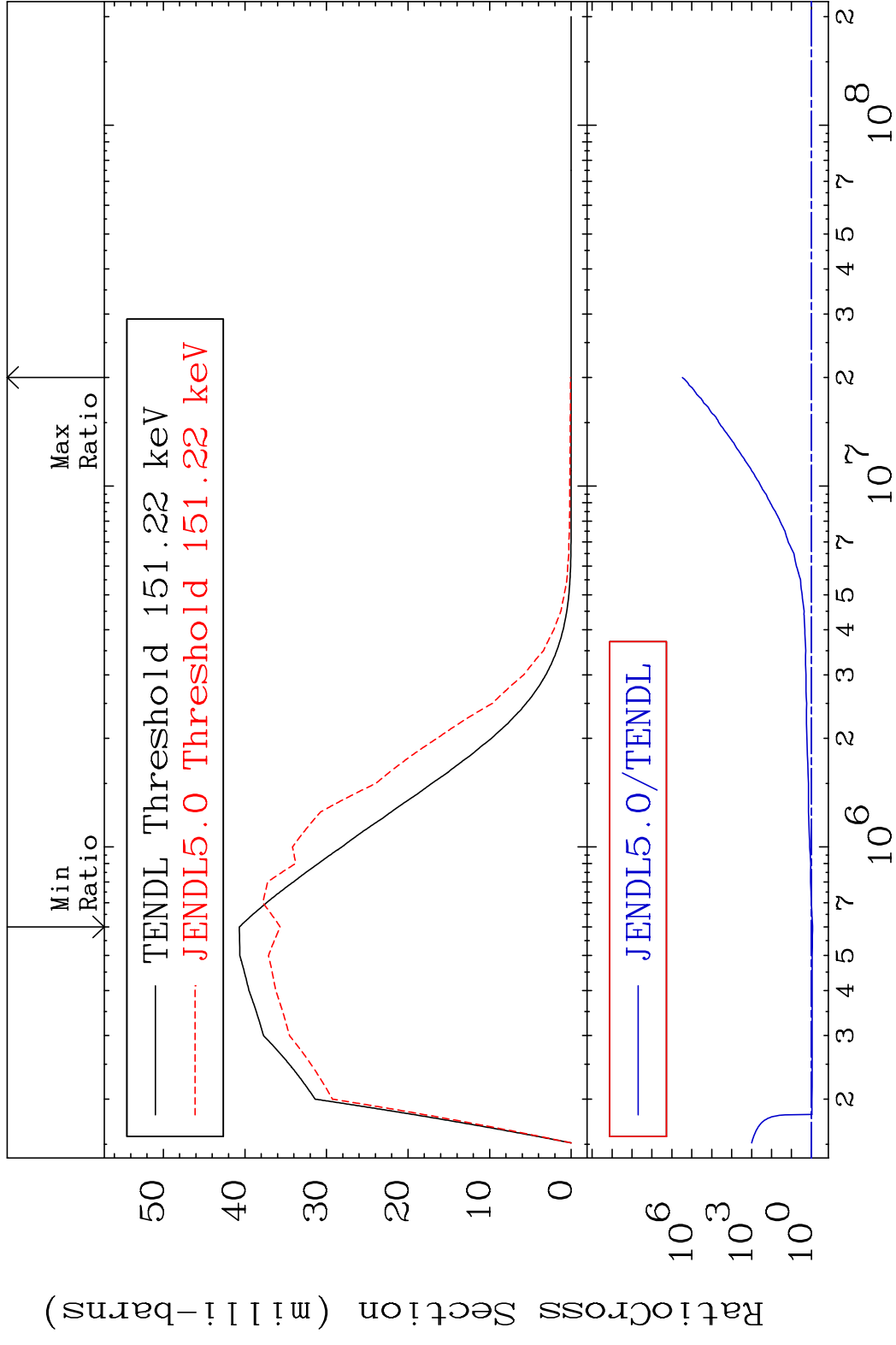
MAT 5134 MT= 57 (n,n') Level 51-Sb-124
 Cross Section -38.67 To 9999. %



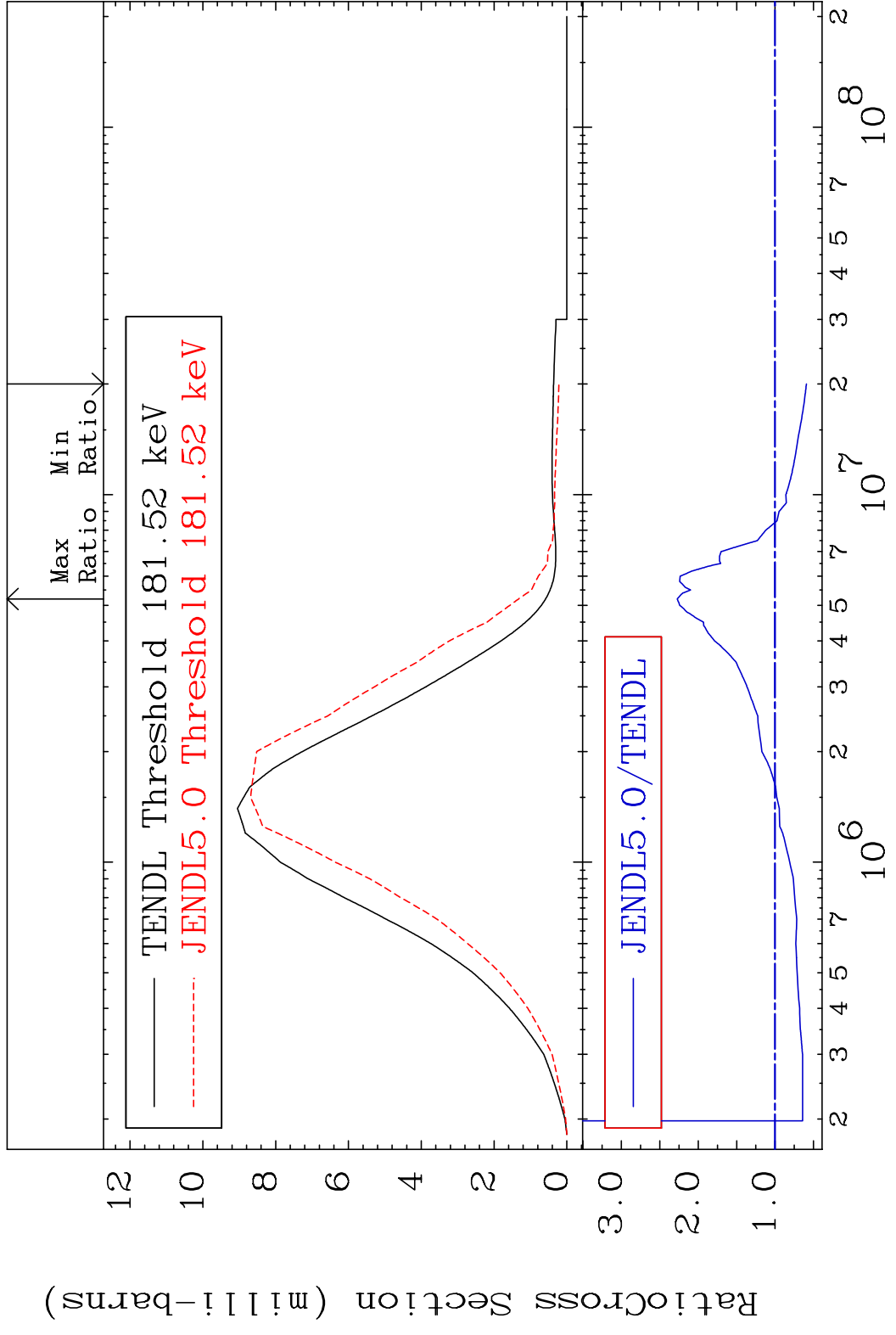
MAT 5134 MT= 58 (n,n') Level 51-Sb-124
 Cross Section -75.24 To 9999. %



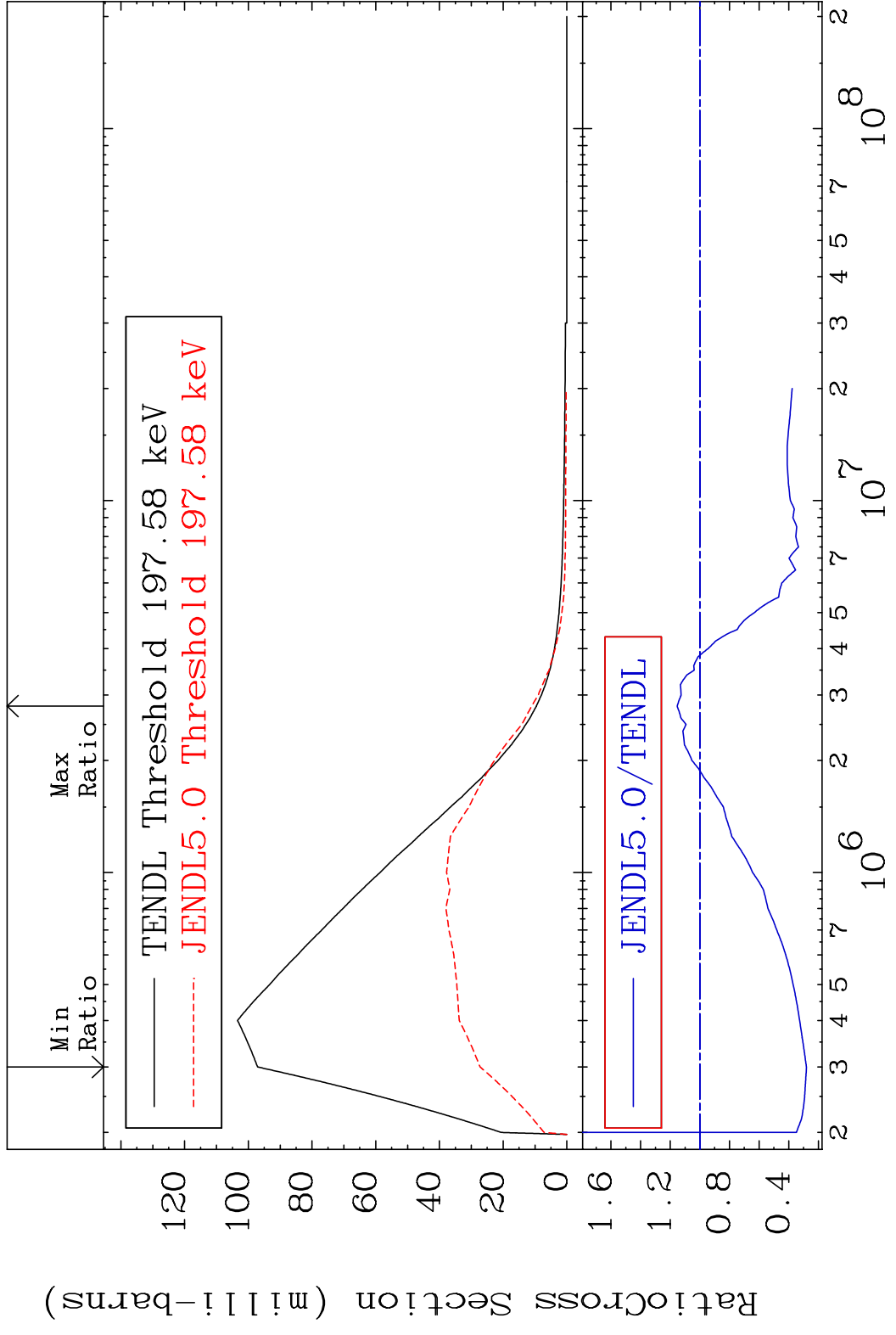
MAT 5134 MT= 59 (n,n') Level 51-Sb-124
 Cross Section -12.30 To 9999. %



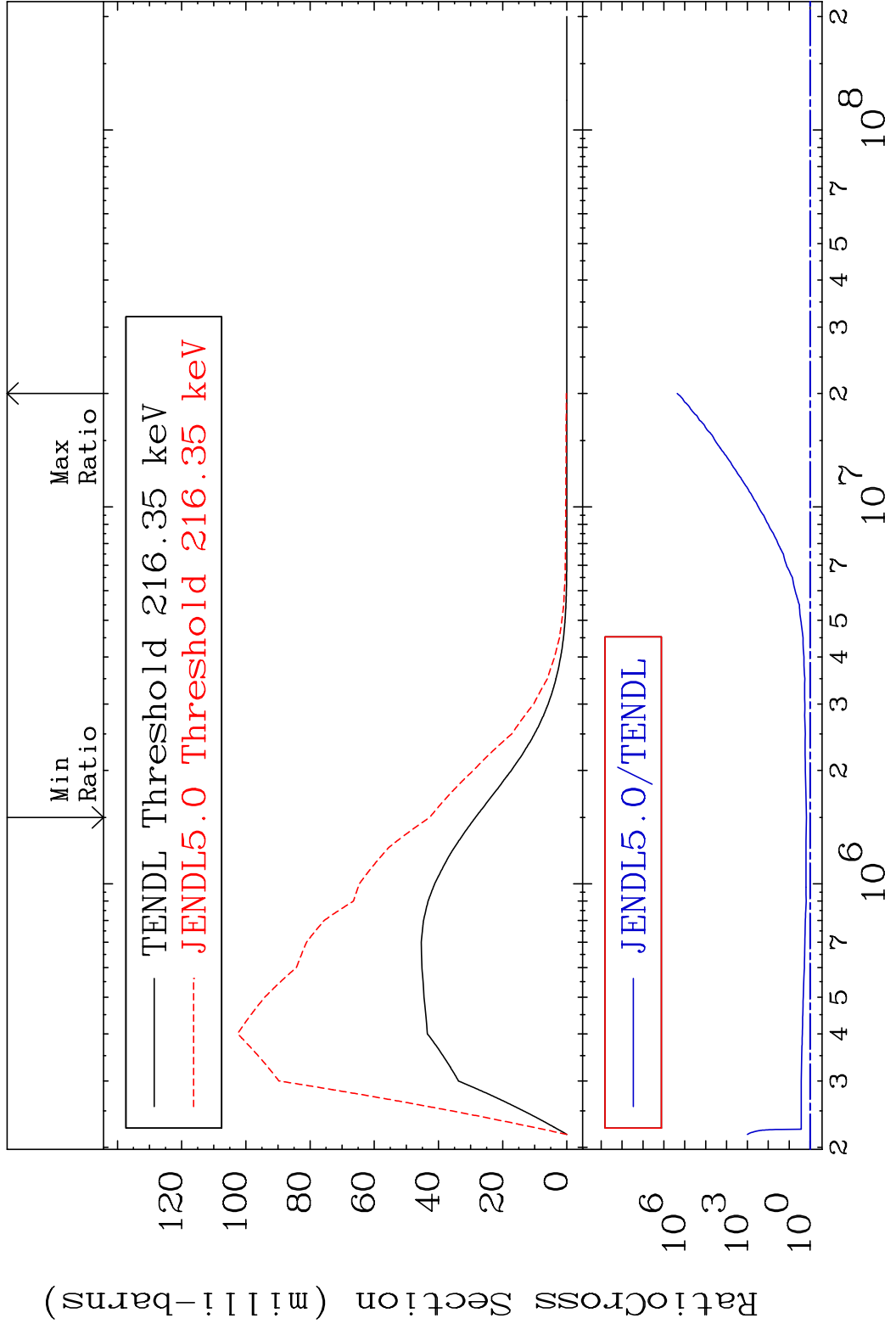
MAT 5134 MT= 60 (n, n') Level 51-Sb-124
 Cross Section -40.75 To 127.4 %



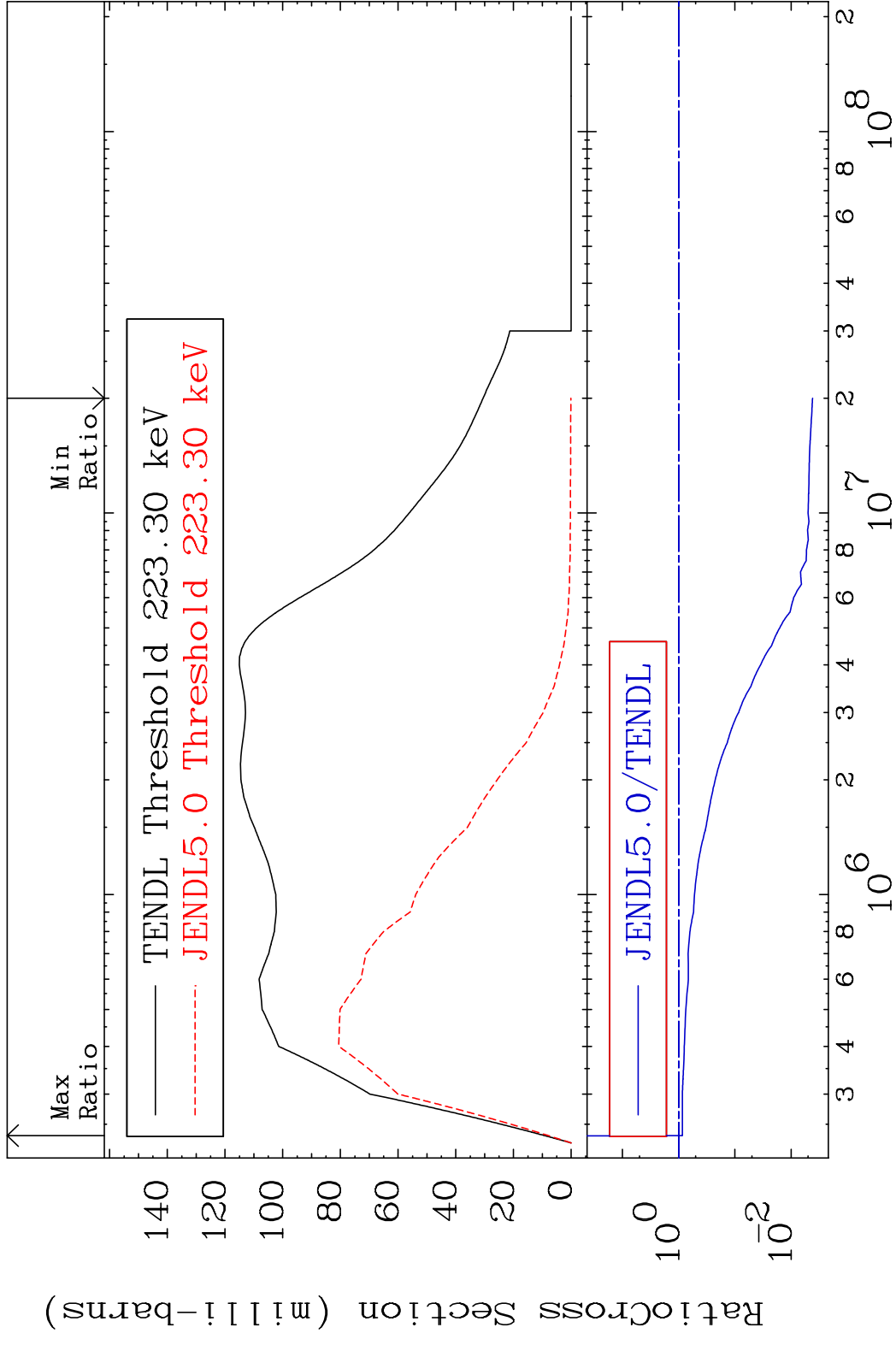
MAT 5134 MT= 61 (n,n') Level 51-Sb-124
 Cross Section -71.93 To 15.30 %



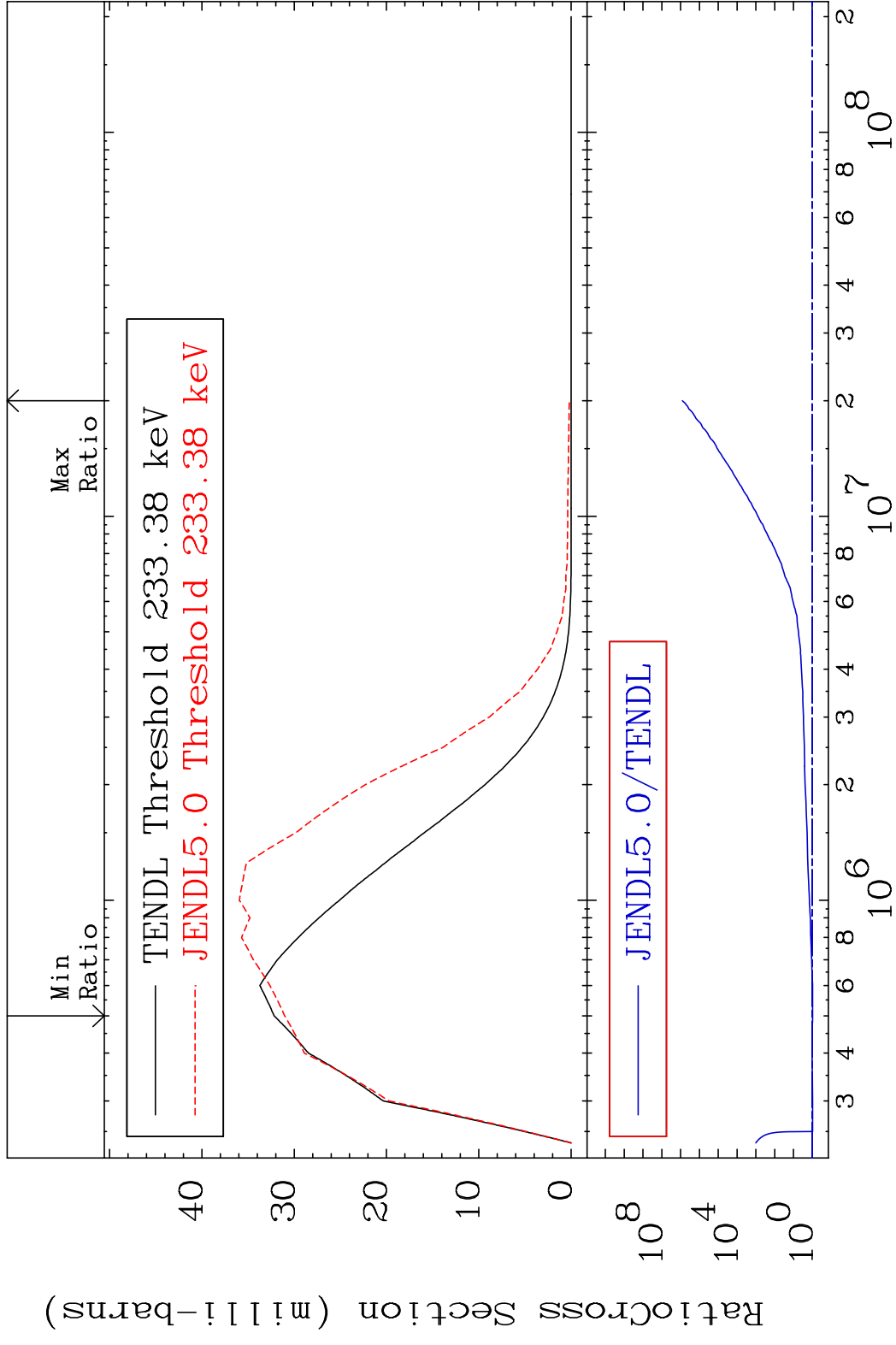
MAT 5134 MT= 62 (n,n') Level 51-Sb-124
 Cross Section 50.05 To 9999. %



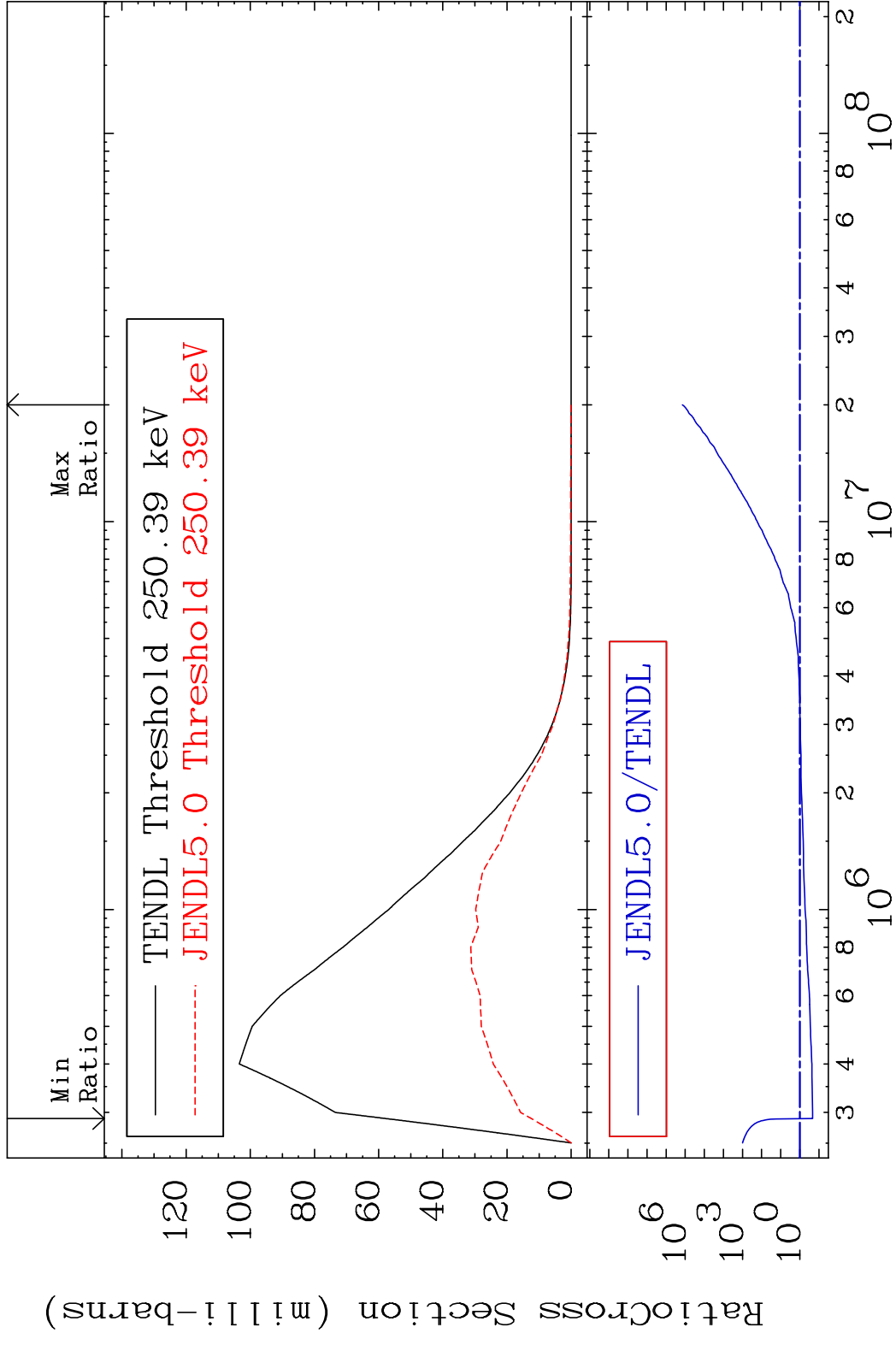
MAT 5134 MT= 63 (n, n') Level 51-Sb-124
 Cross Section -99.58 To -13.85%



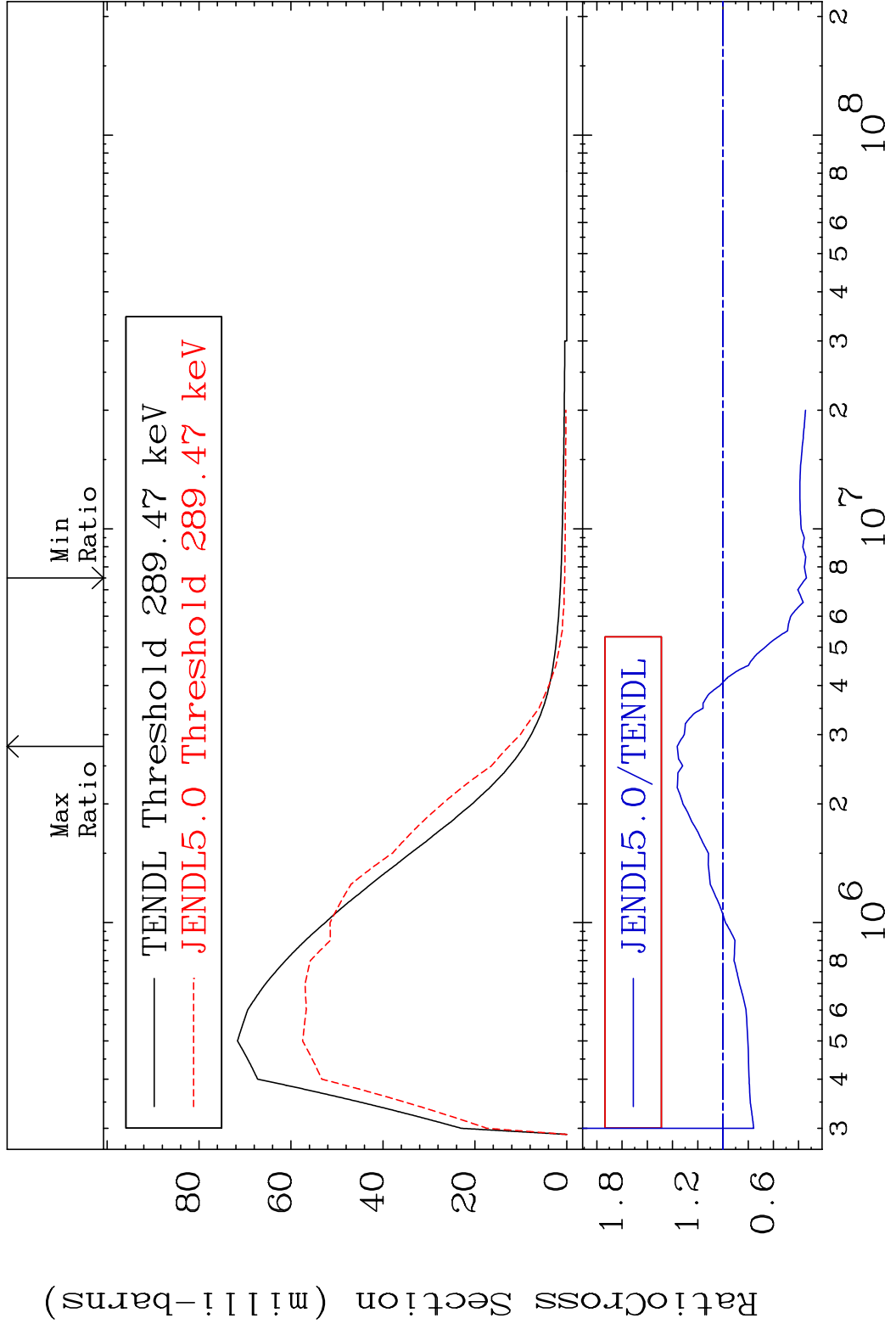
MAT 5134 MT= 64 (n,n') Level 51-Sb-124
 Cross Section -3.578 To 9999. %



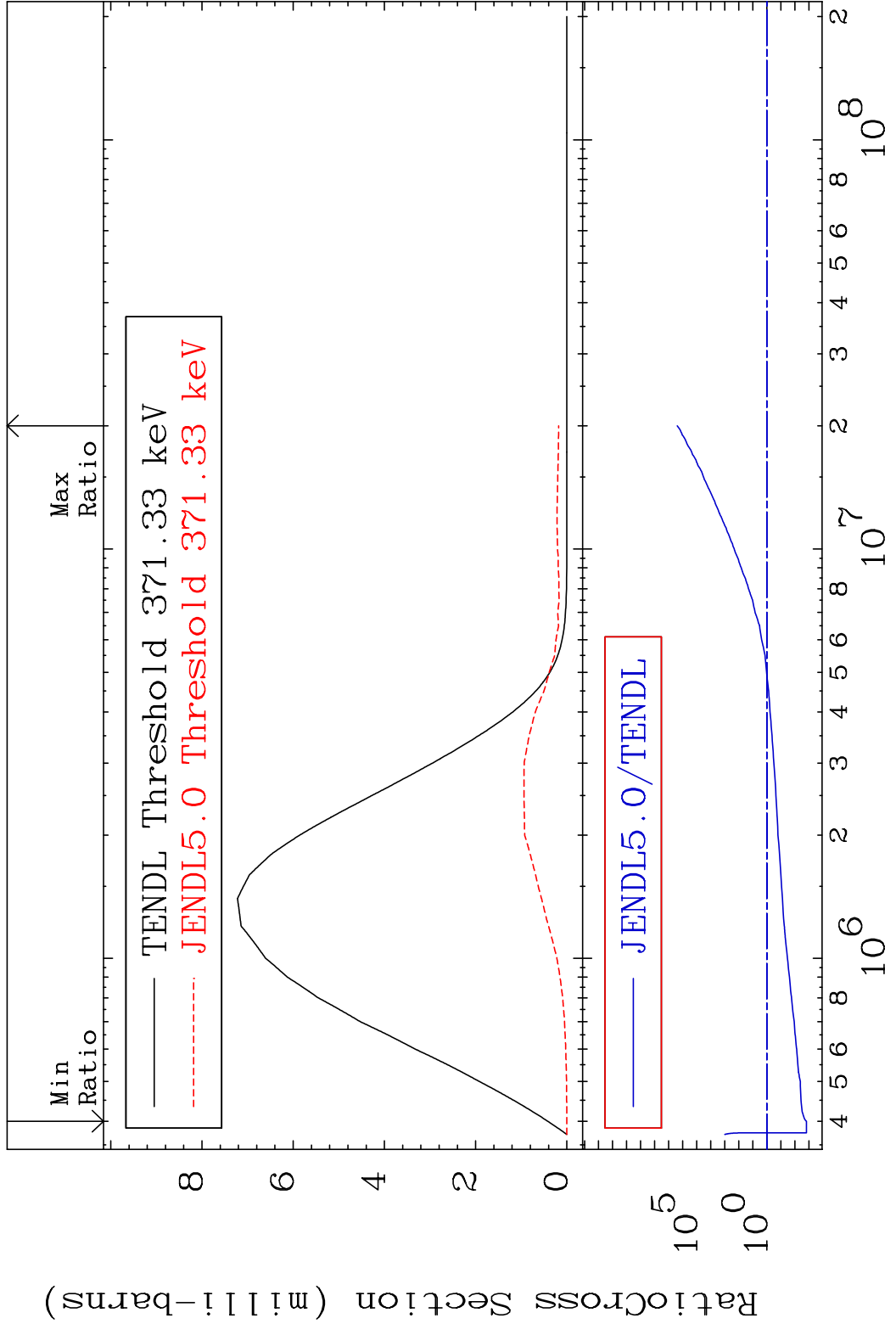
MAT 5134 MT= 65 (n,n') Level 51-Sb-124
 Cross Section -78.53 To 9999. %



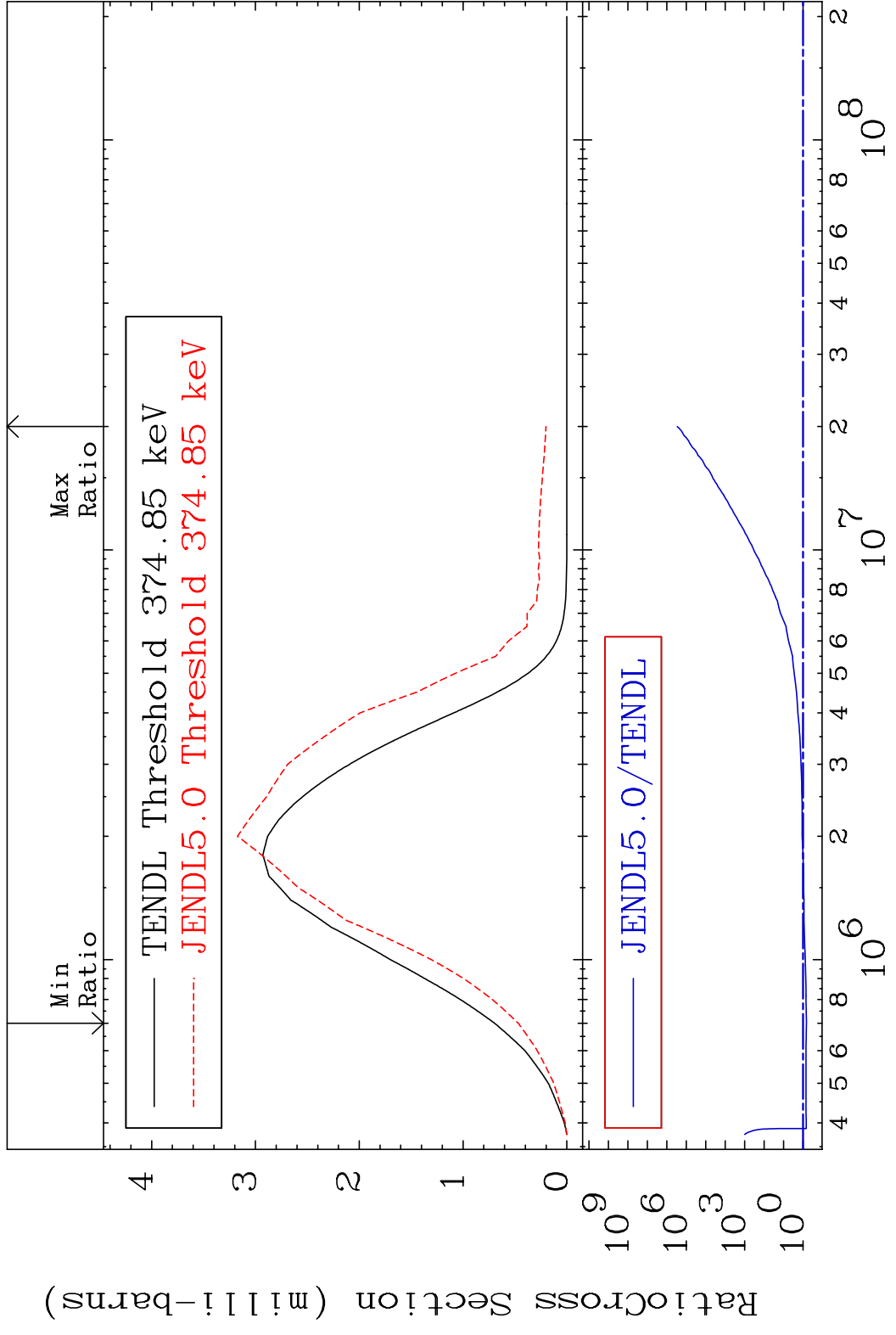
MAT 5134 MT= 66 (n, n') Level 51-Sb-124
 Cross Section -66.15 To 36.27 %



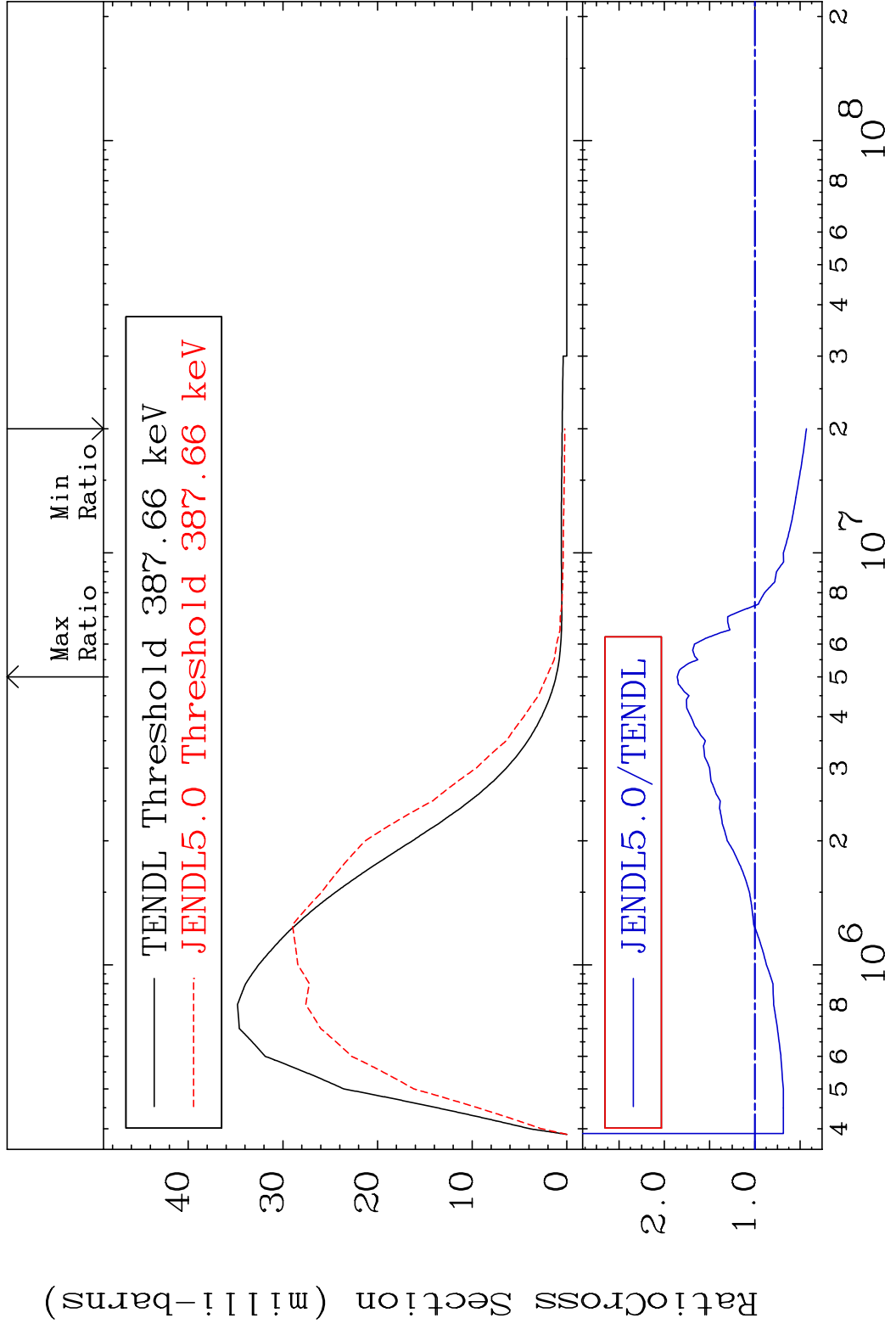
MAT 5134 MT= 67 (n,n') Level 51-Sb-124
 Cross Section -99.85 To 9999. %



MAT 5134 MT= 68 (n,n') Level 51-Sb-124
 Cross Section -32.72 To 9999. %



MAT 5134 MT= 69 (n, n') Level 51-Sb-124
 Cross Section -56.81 To 85.77 %

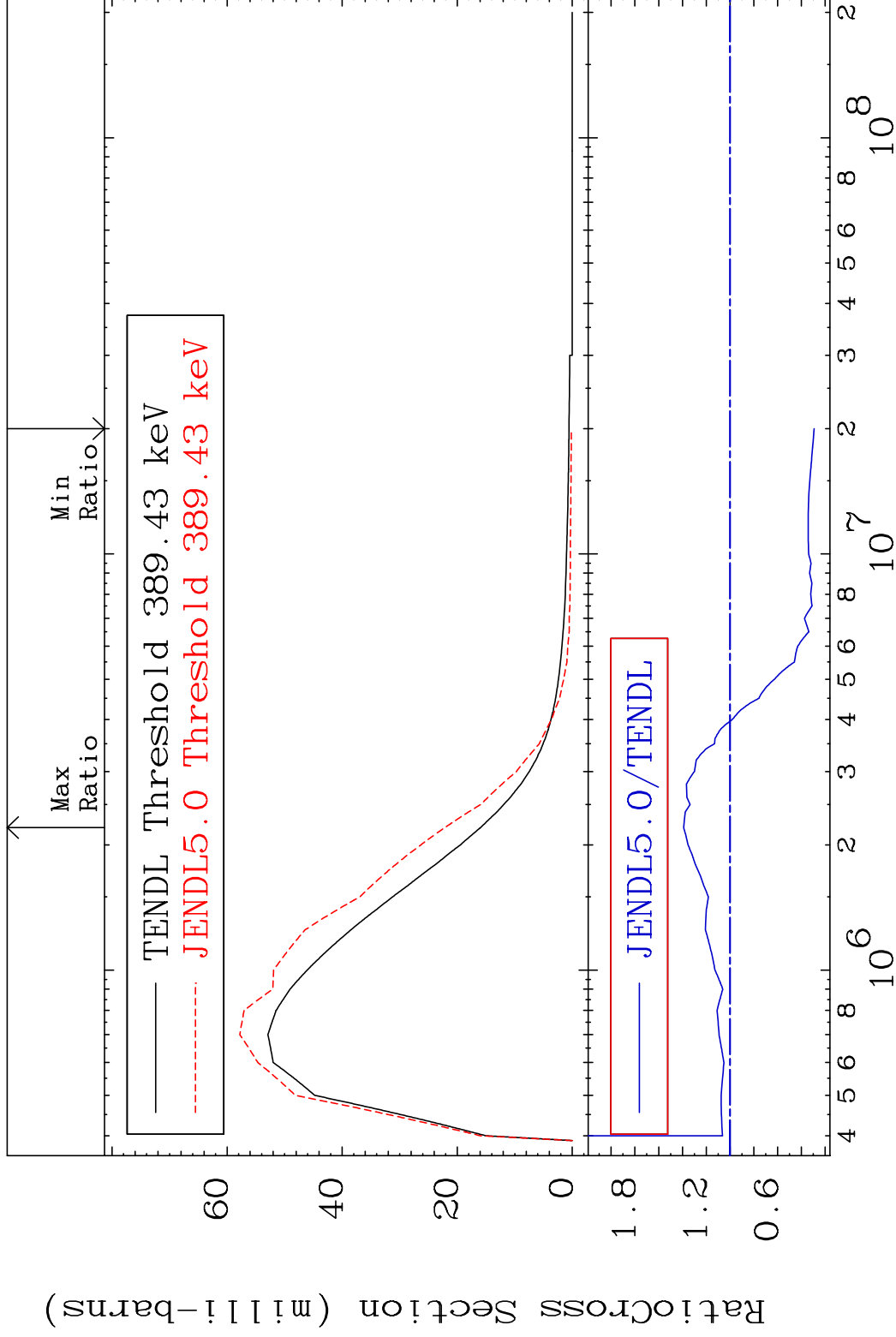


MAT 5134

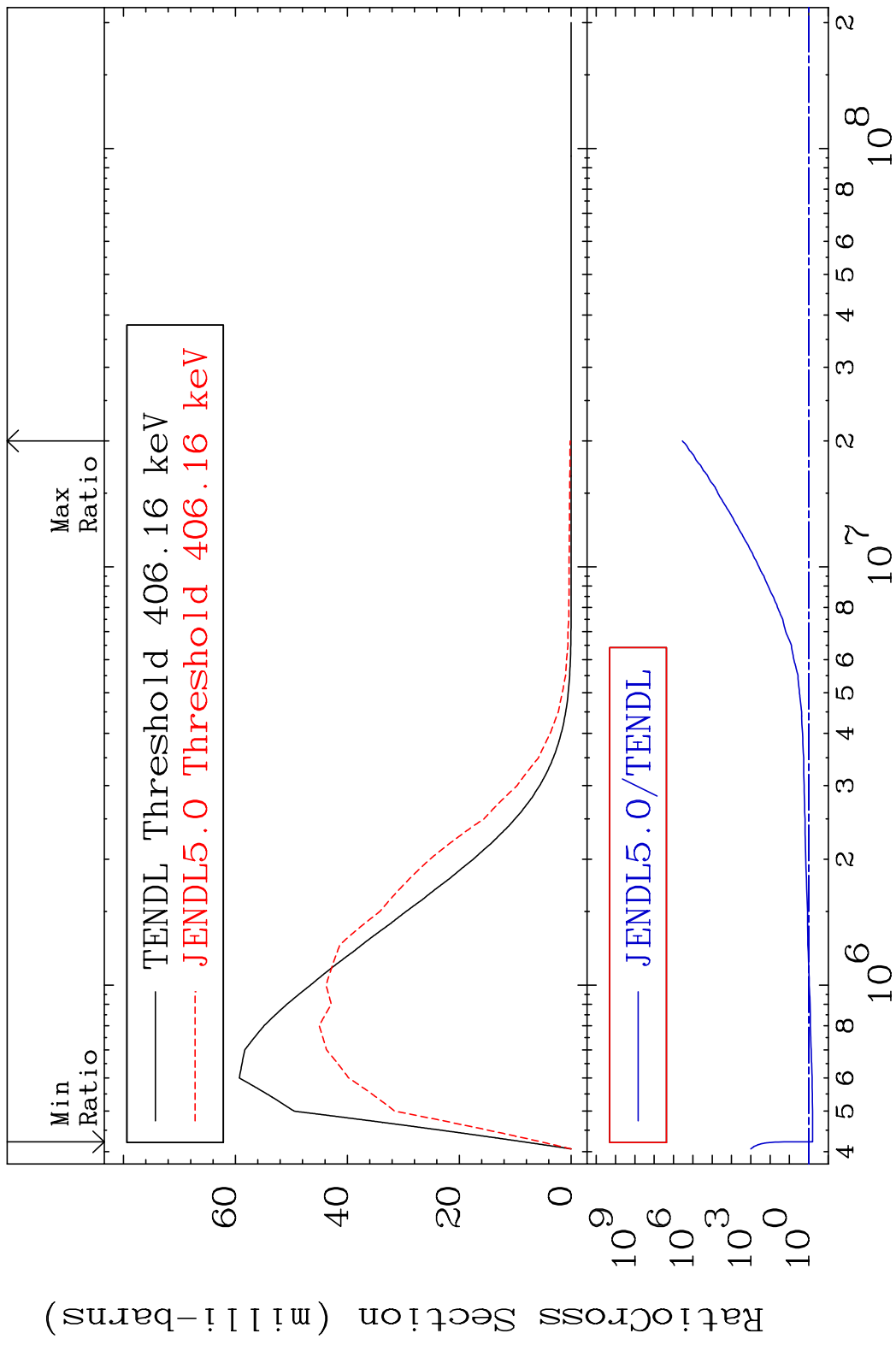
MT= 70 (n, n') Level

51-Sb-124

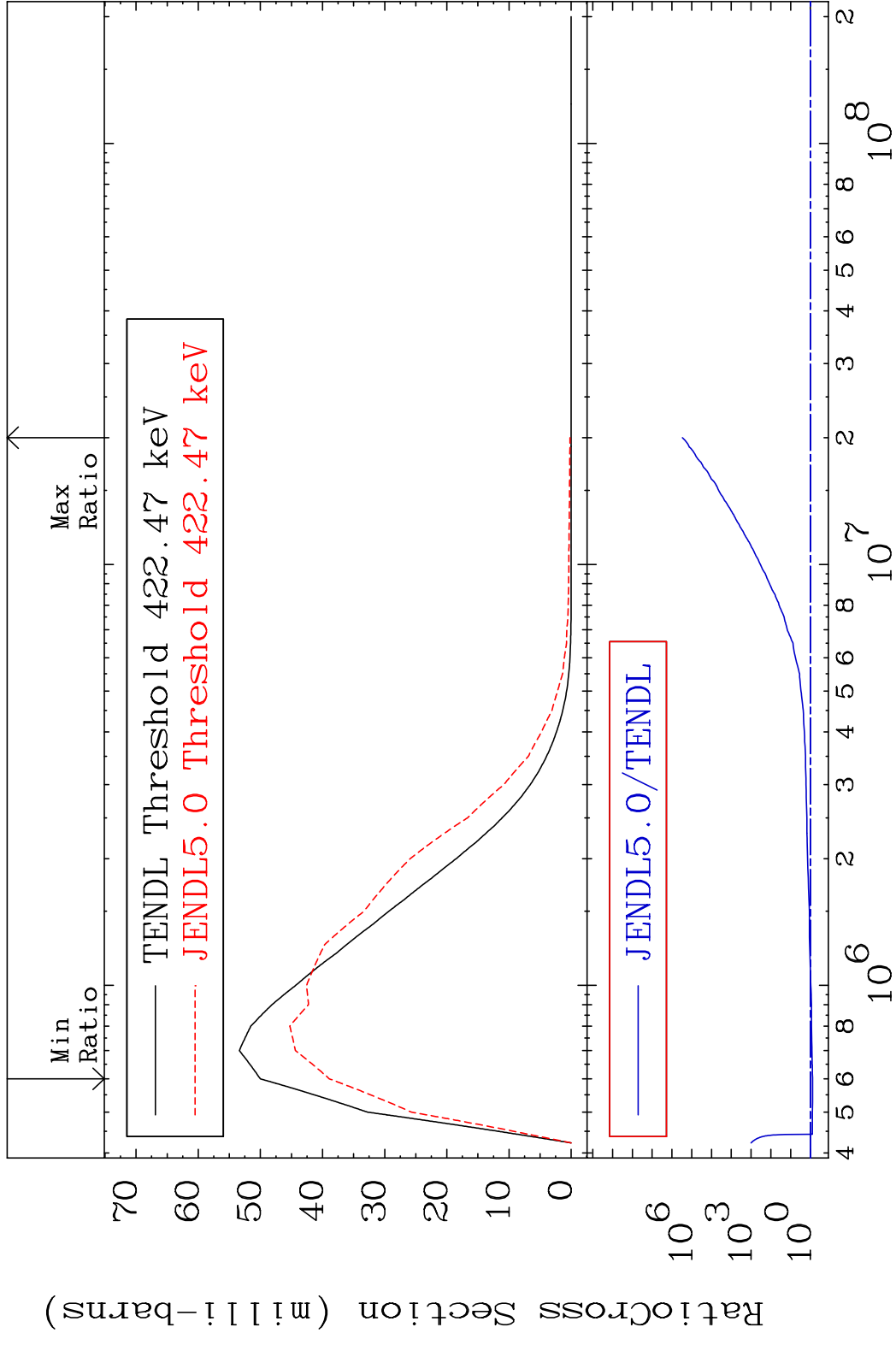
Cross Section -70.73 To 38.99 %



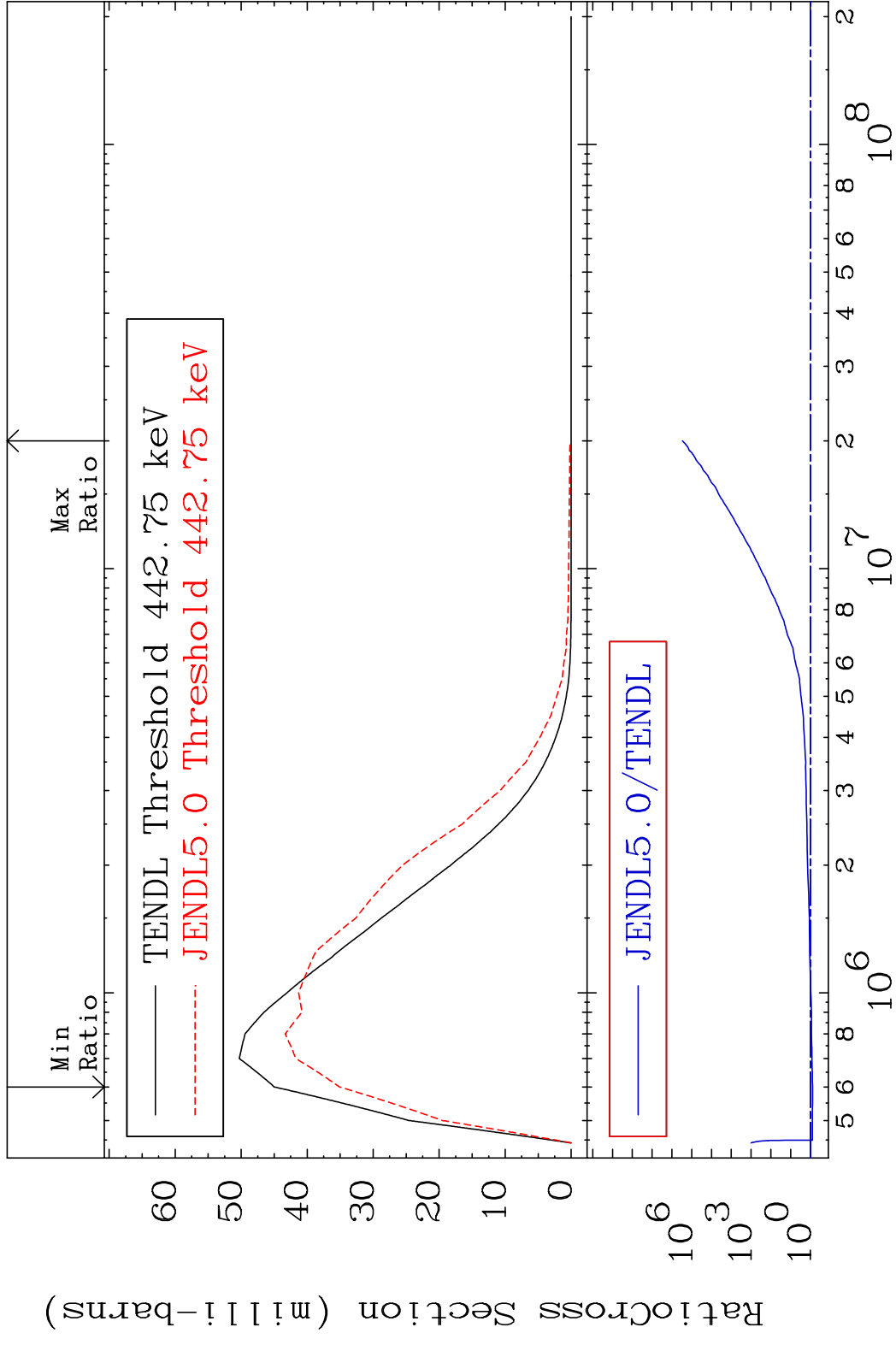
MAT 5134 MT= 71 (n, n') Level 51-Sb-124
 Cross Section -36.30 To 9999. %



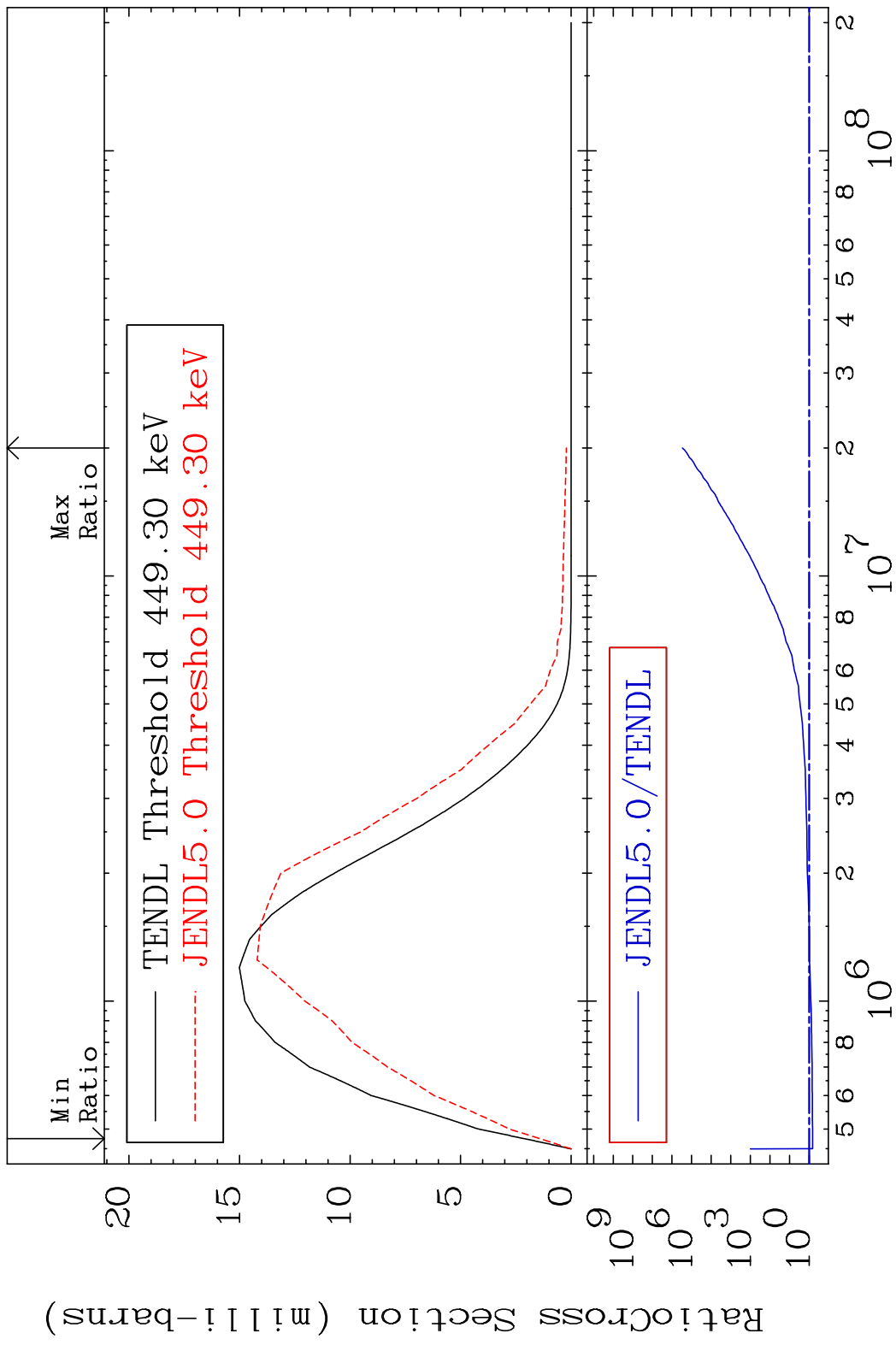
MAT 5134 MT= 72 (n, n') Level 51-Sb-124
 Cross Section -22.20 To 9999. %



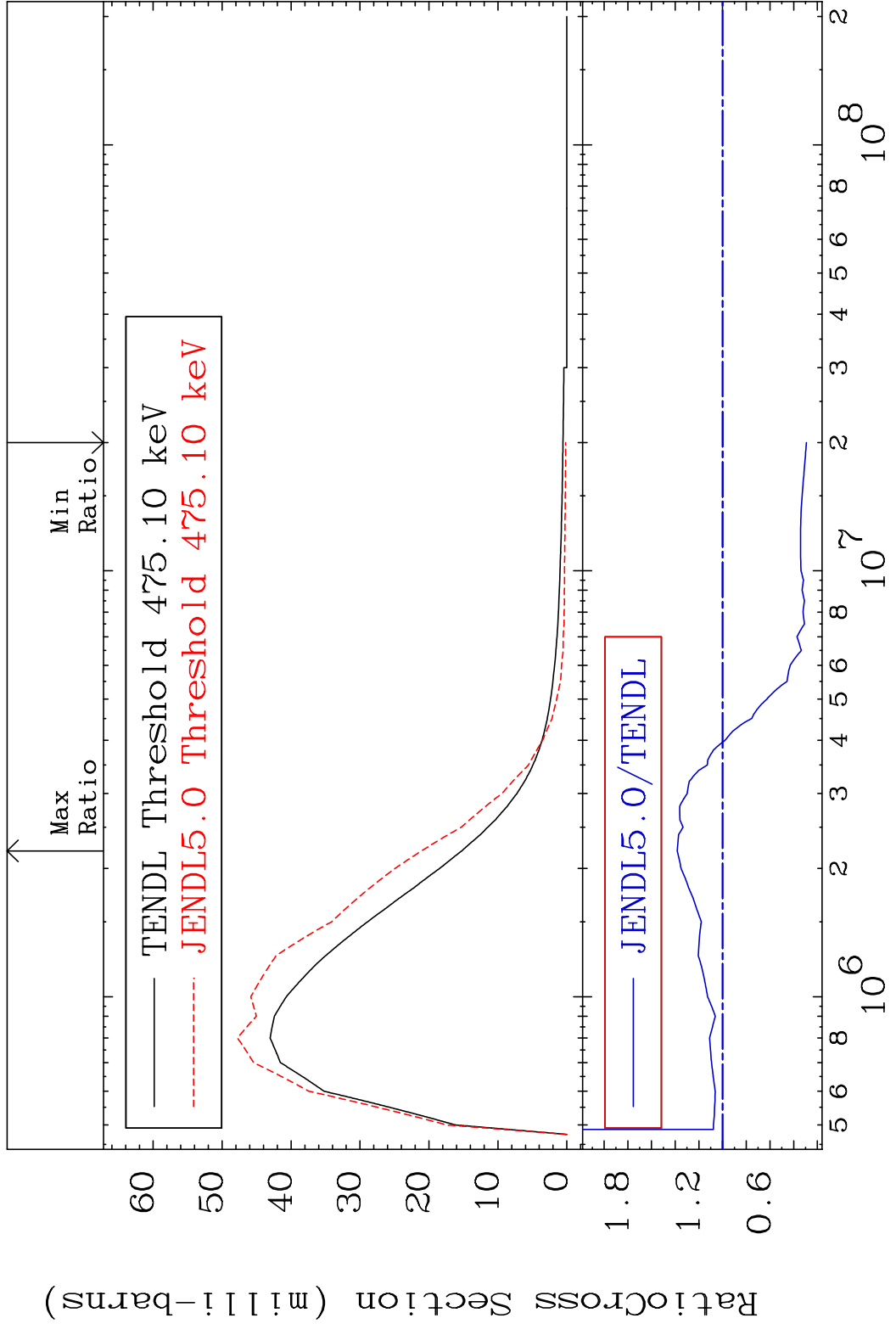
MAT 5134 MT= 73 (n,n') Level 51-Sb-124
 Cross Section -21.96 To 9999. %



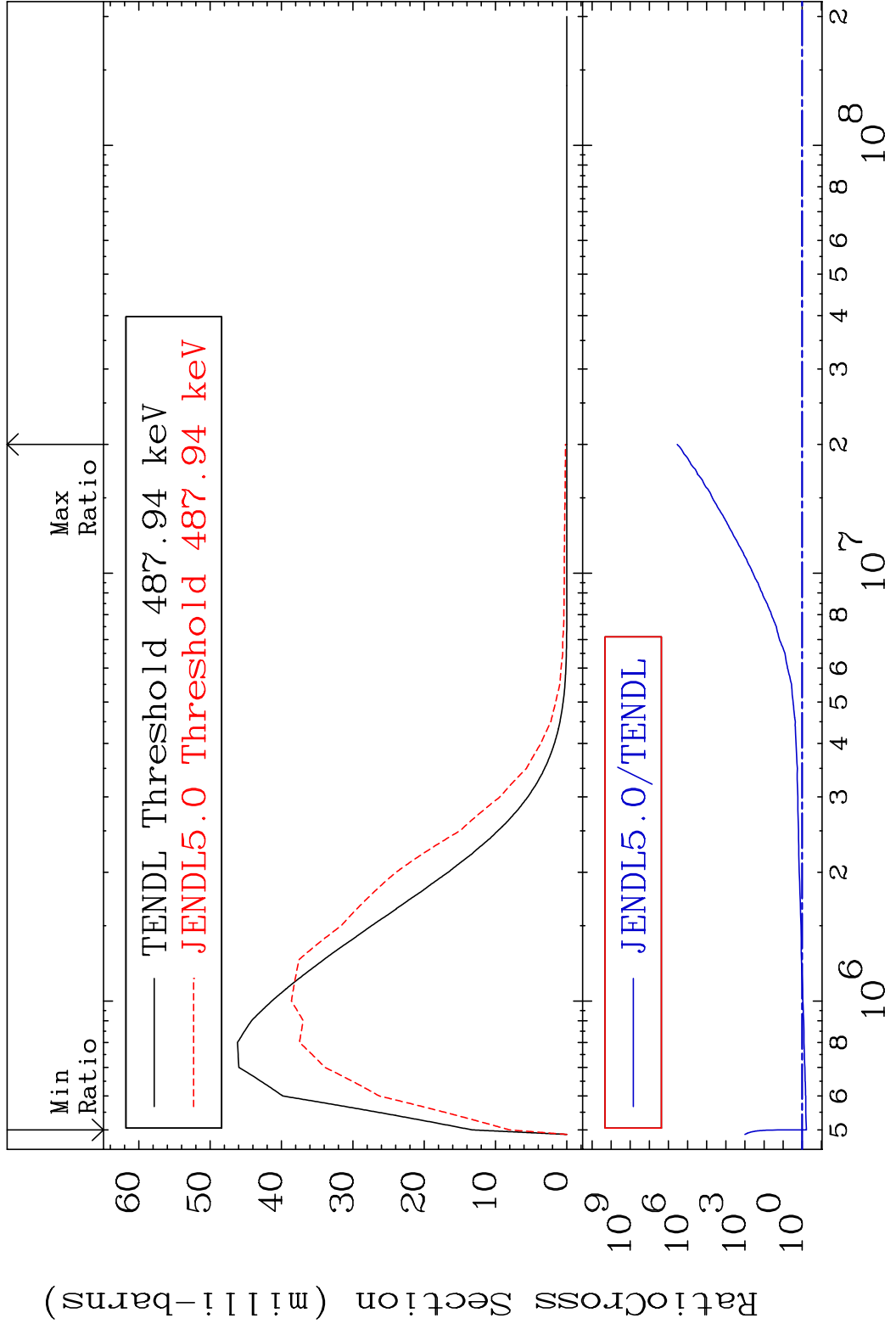
MAT 5134 MT= 74 (n, n') Level 51-Sb-124
 Cross Section -33.42 To 9999. %



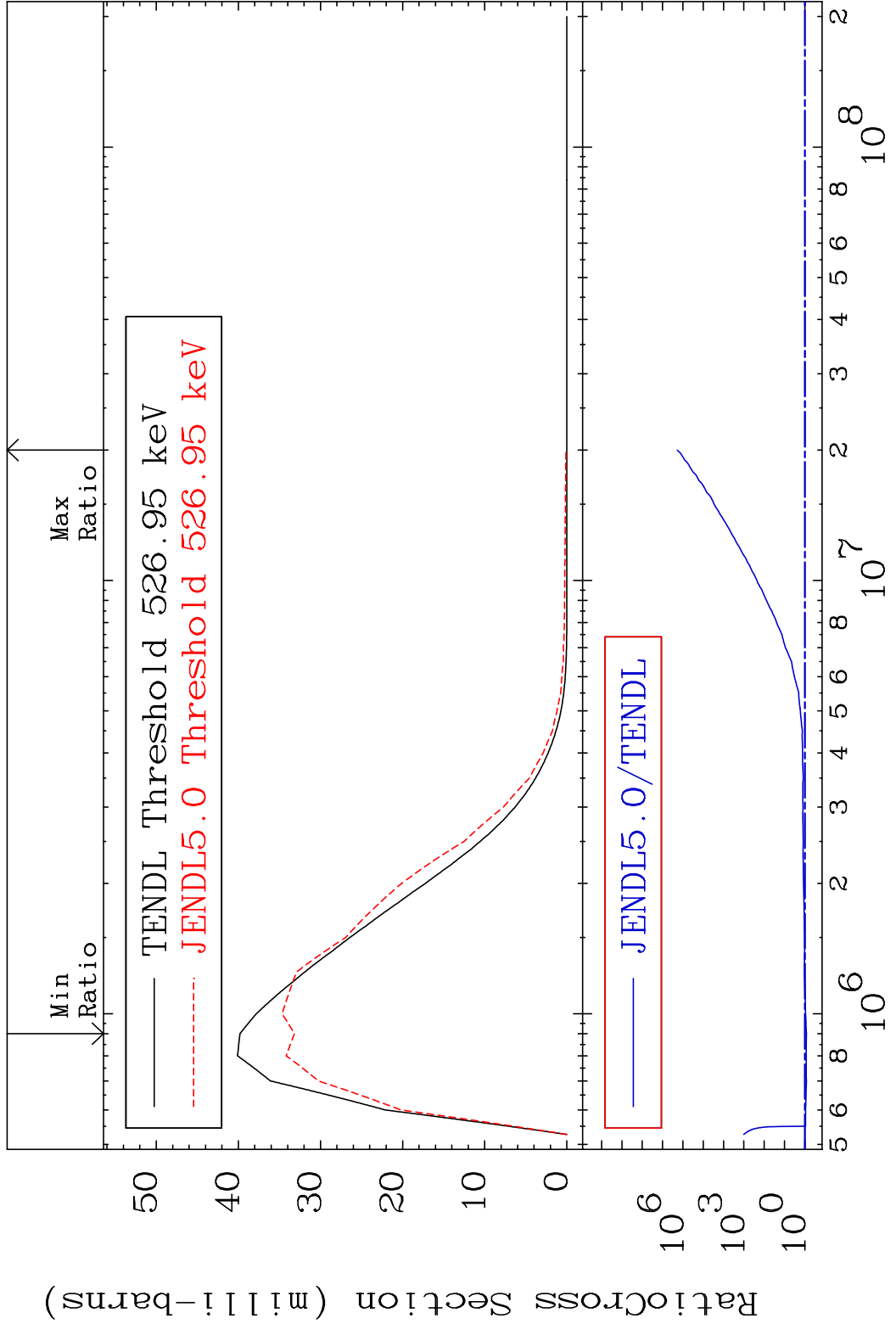
MAT 5134 MT= 75 (n, n') Level 51-Sb-124
 Cross Section -70.75 To 38.33 %



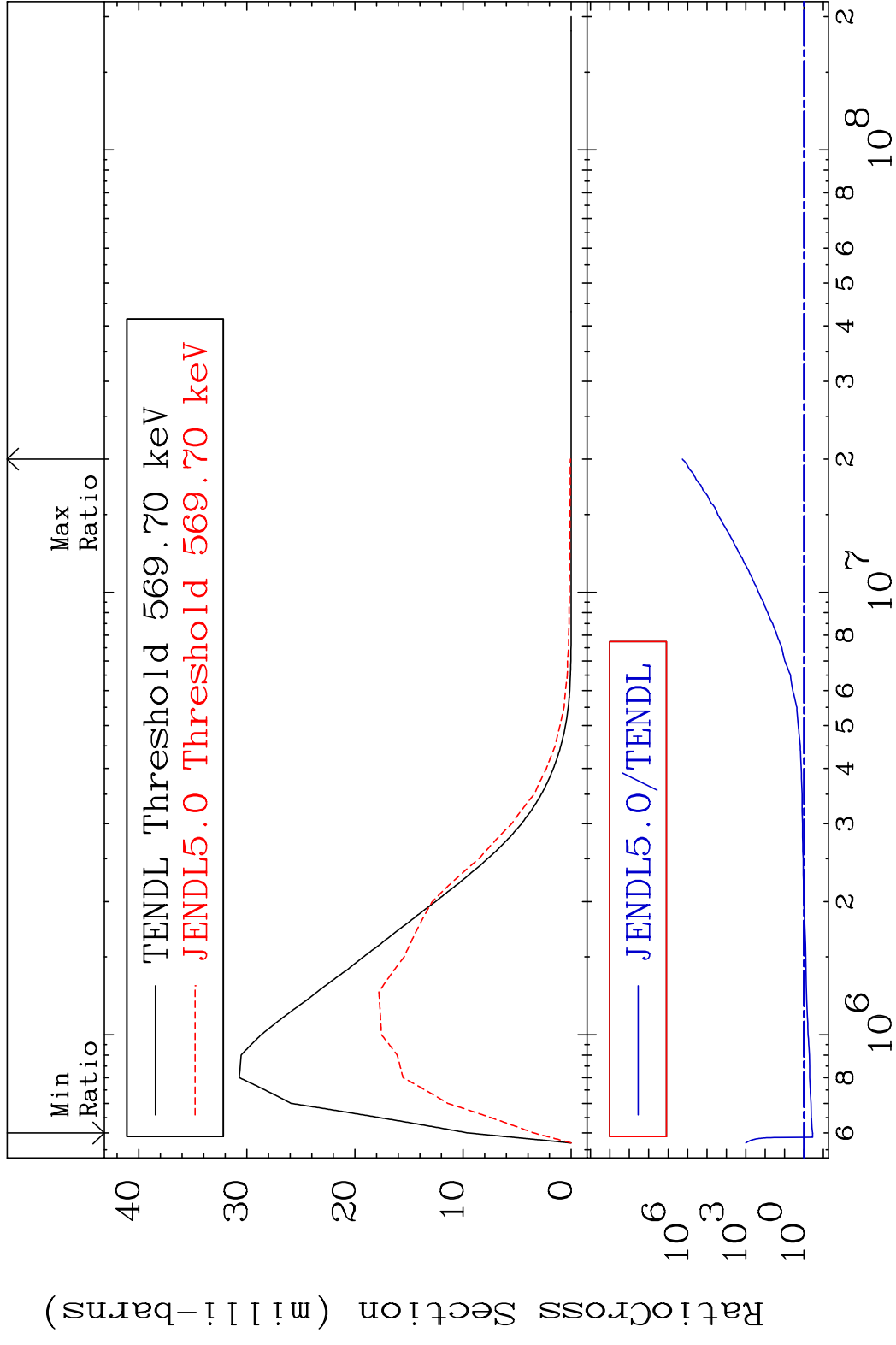
MAT 5134 MT= 76 (n, n') Level 51-Sb-124
 Cross Section -39.42 To 9999. %



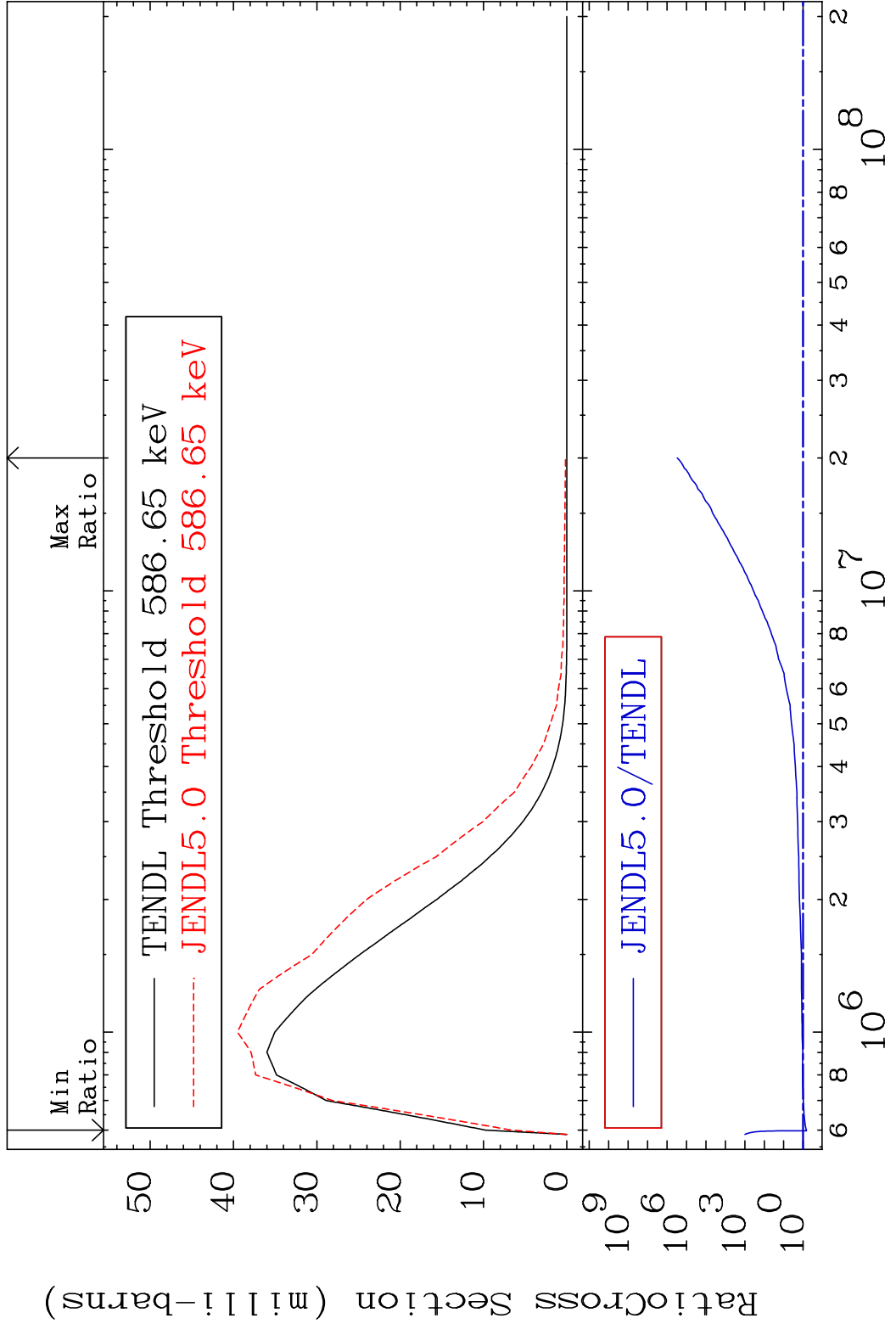
MAT 5134 MT= 77 (n, n') Level 51-Sb-124
 Cross Section -16.67 To 9999. %



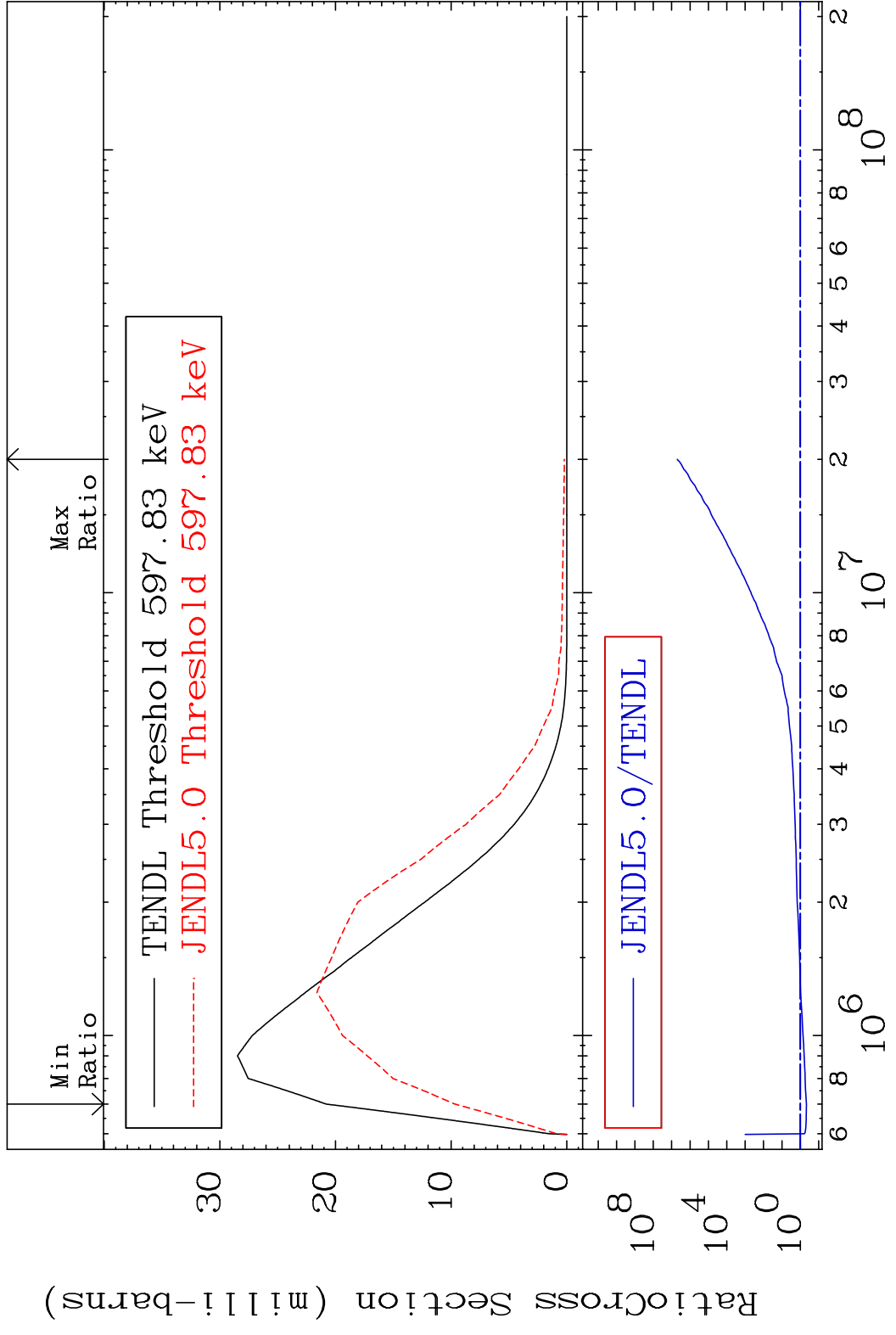
MAT 5134 MT= 78 (n,n') Level 51-Sb-124
 Cross Section -63.75 To 9999. %



MAT 5134 MT= 79 (n, n') Level 51-Sb-124
 Cross Section -31.95 To 9999. %



MAT 5134 MT= 80 (n, n') Level 51-Sb-124
 Cross Section -53.46 To 9999. %

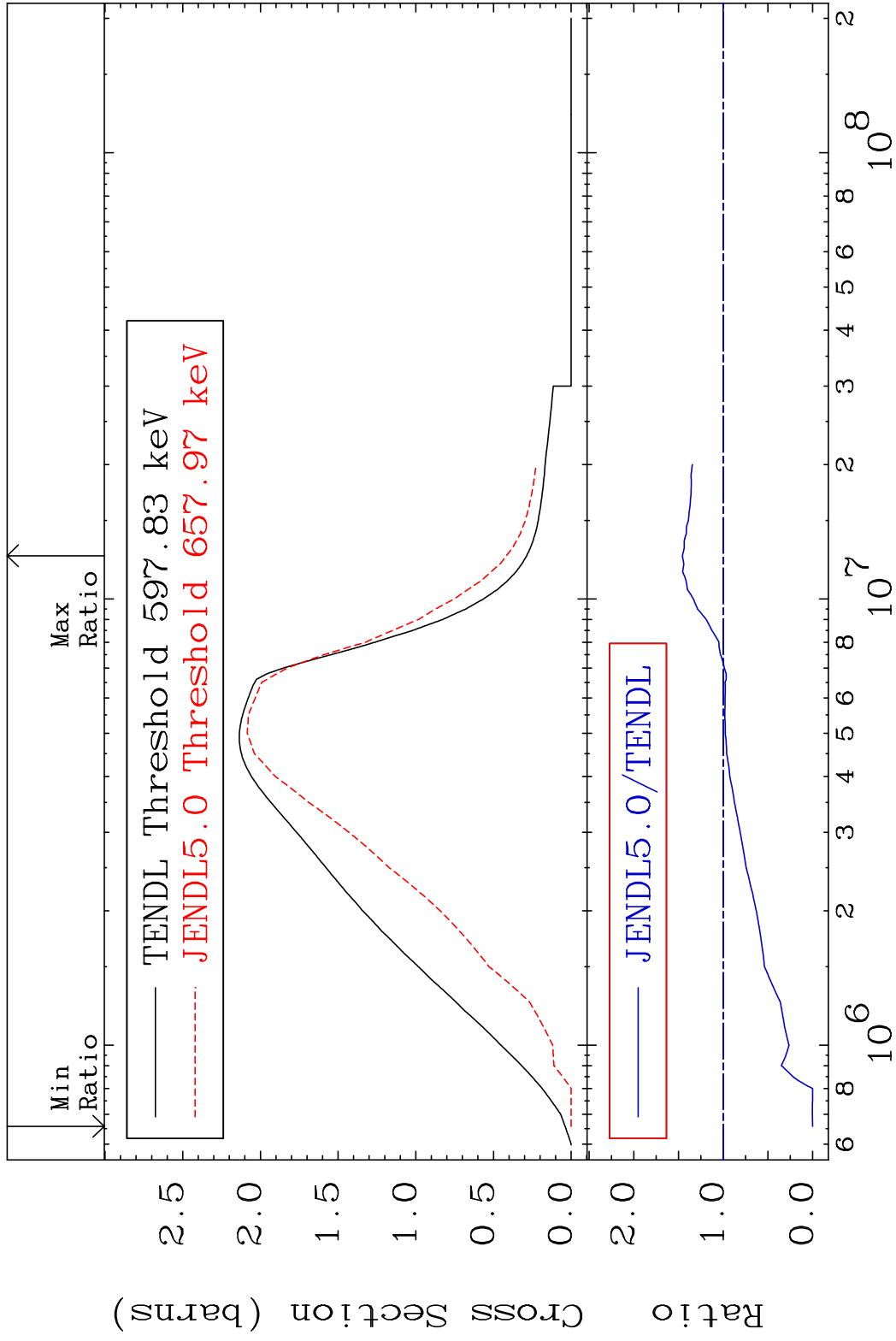


MAT 5134

(n,n') Continuum

51-Sb-124

Cross Section -100.0 To 45.64 %



39

Incident Energy (eV)

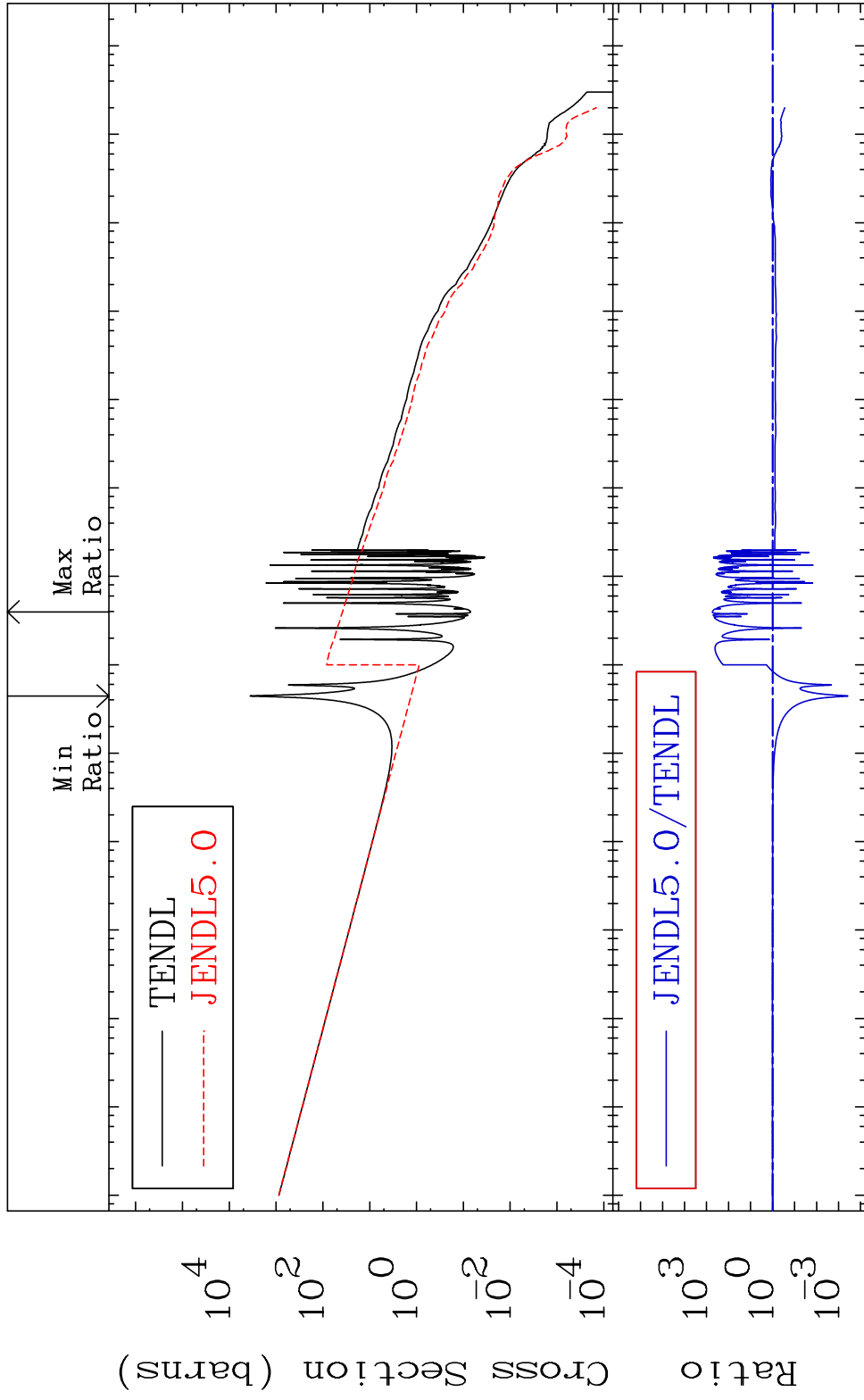
51-Sb-124

MAT 5134

51-Sb-124

(n, γ)

Cross Section -99.96 To 9999. %



40

Incident Energy (eV)

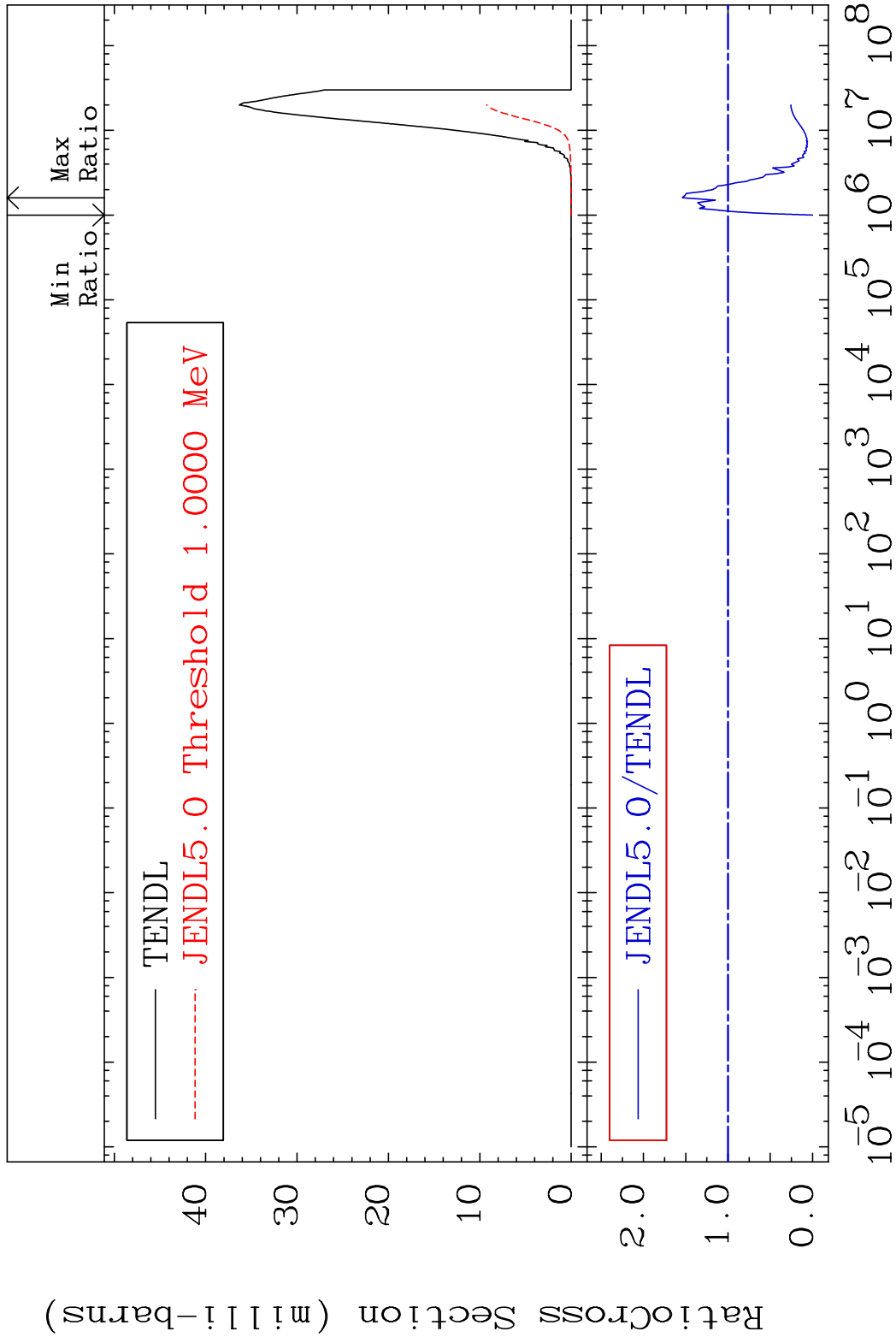
51-Sb-124

MAT 5134

(n,p)

51-Sb-124

Cross Section -100.0 To 53.98 %



41

Incident Energy (eV)

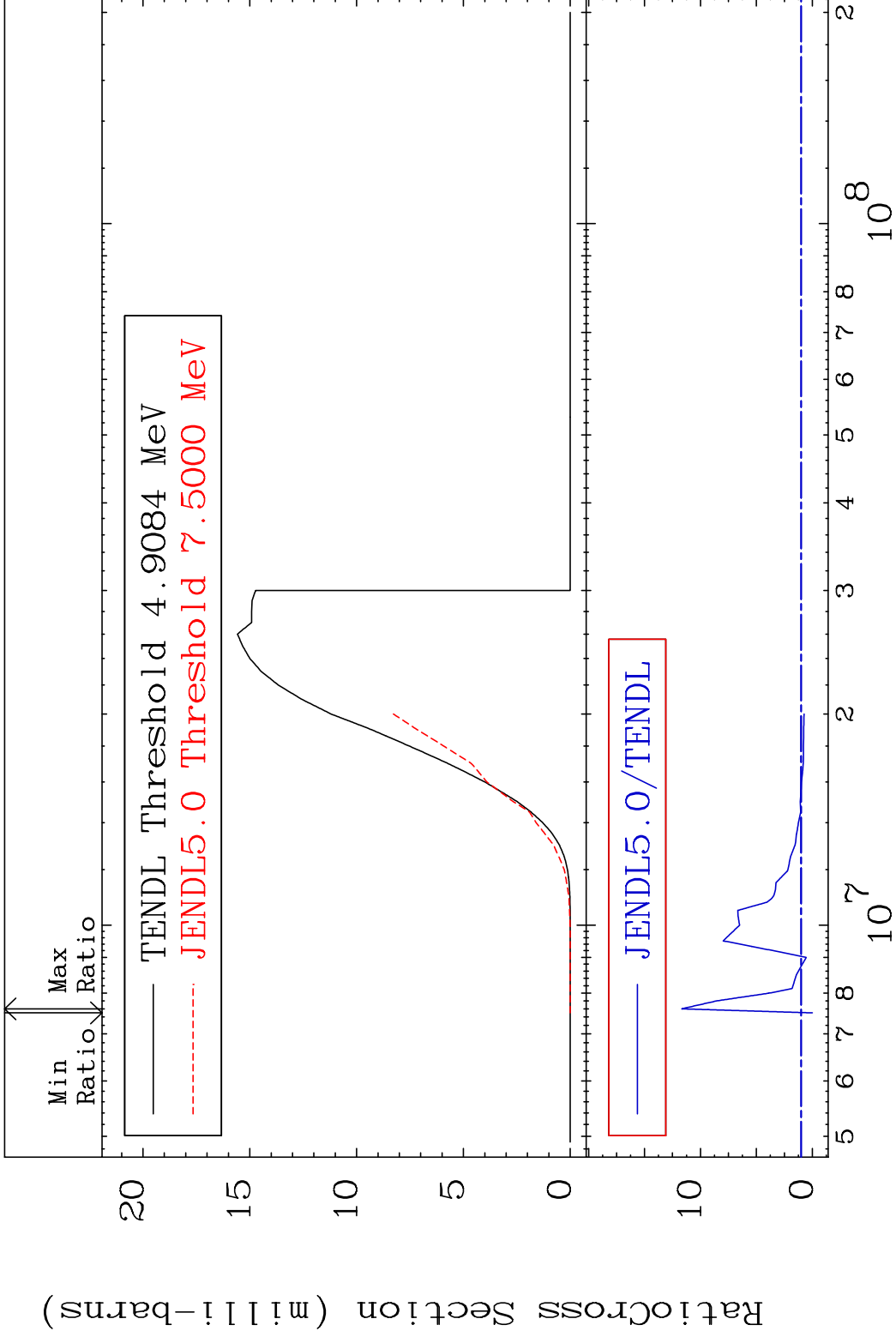
51-Sb-124

MAT 5134

(n,d)

51-Sb-124

Cross Section -100.0 To 1067. %



42

Incident Energy (eV)

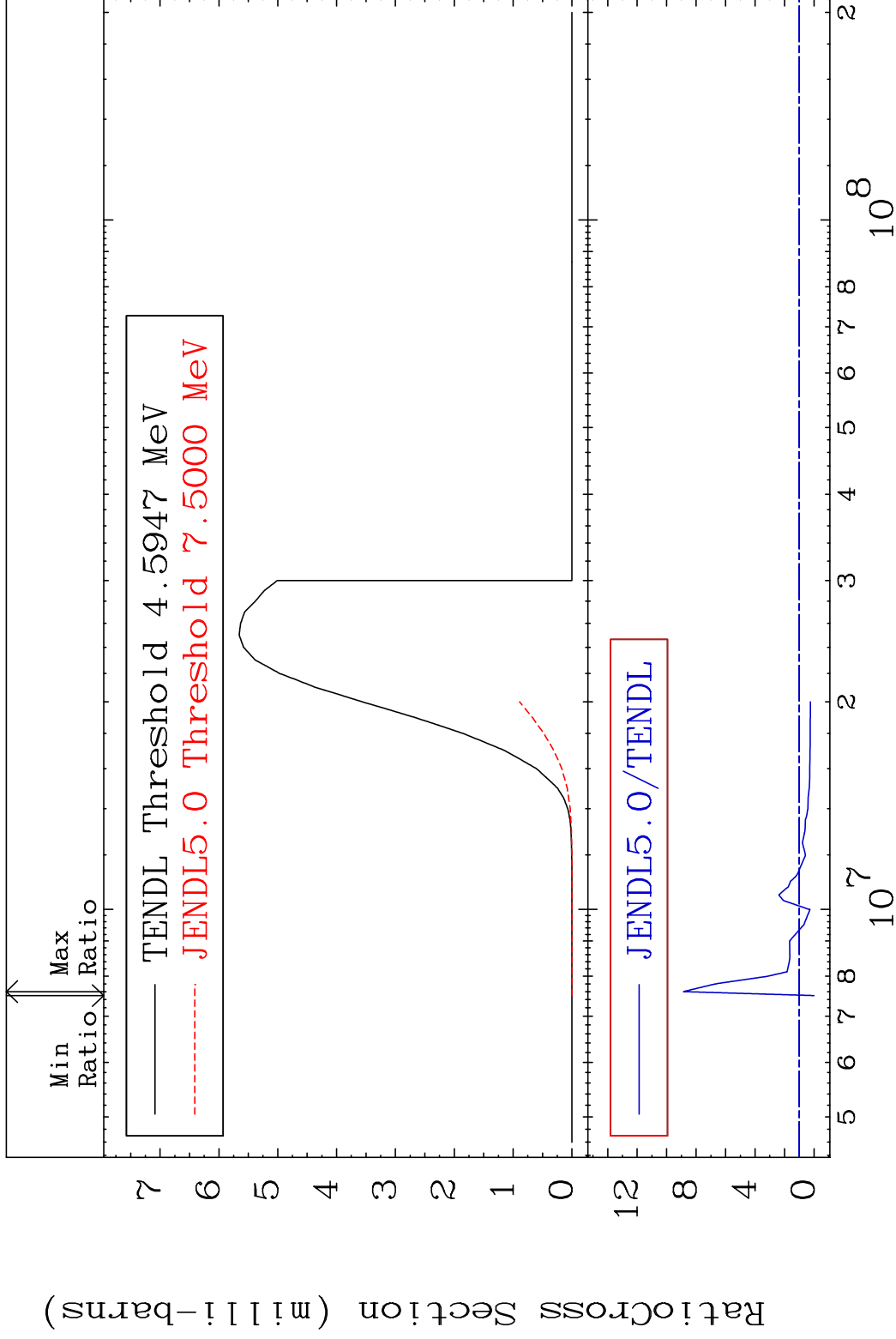
51-Sb-124

MAT 5134

(n, t)

51-Sb-124

Cross Section -100.0 To 785.9 %



43

Incident Energy (eV)

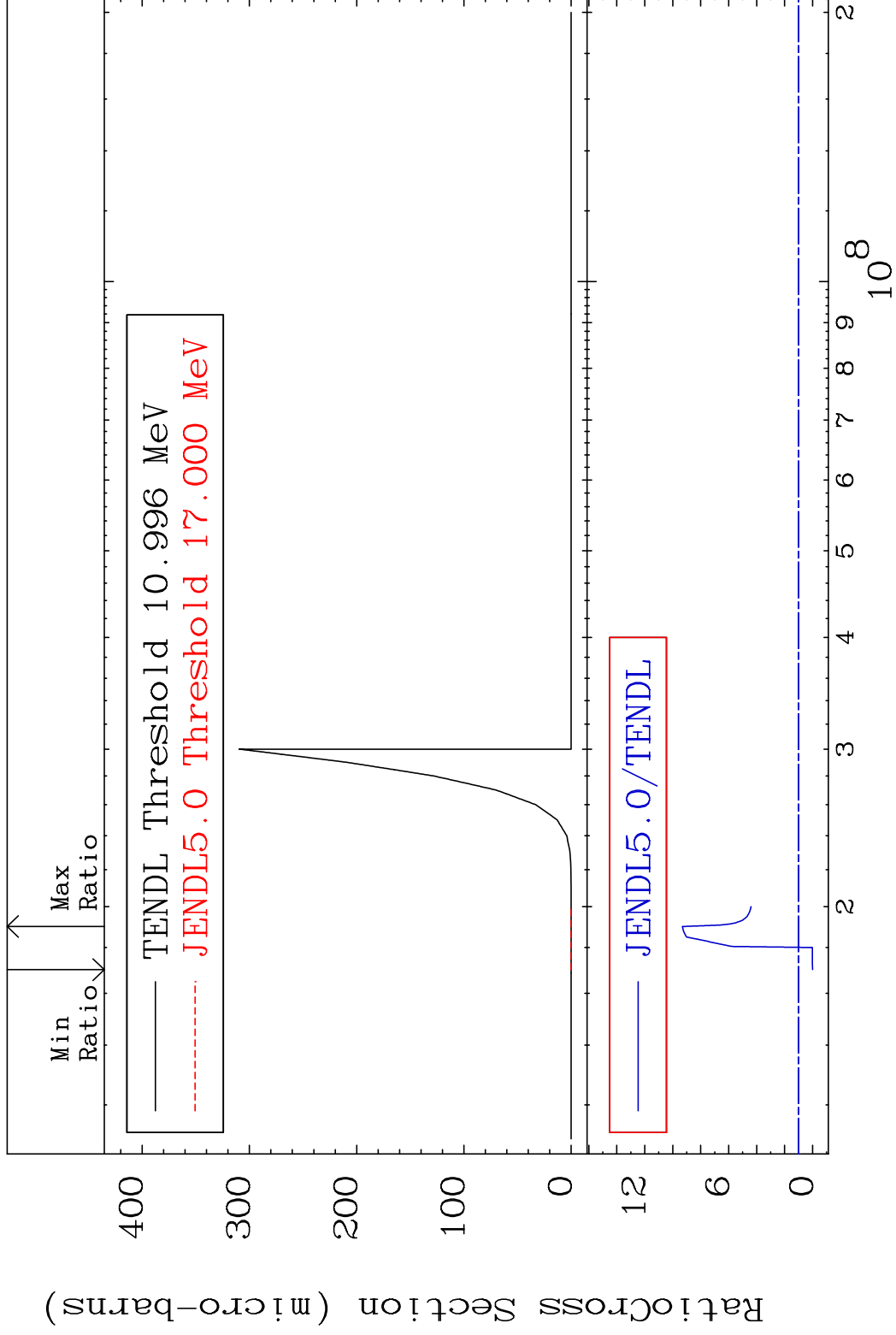
51-Sb-124

MAT 5134

(n, He-3)

51-Sb-124

Cross Section -100.0 To 831.2 %



44

Incident Energy (eV)

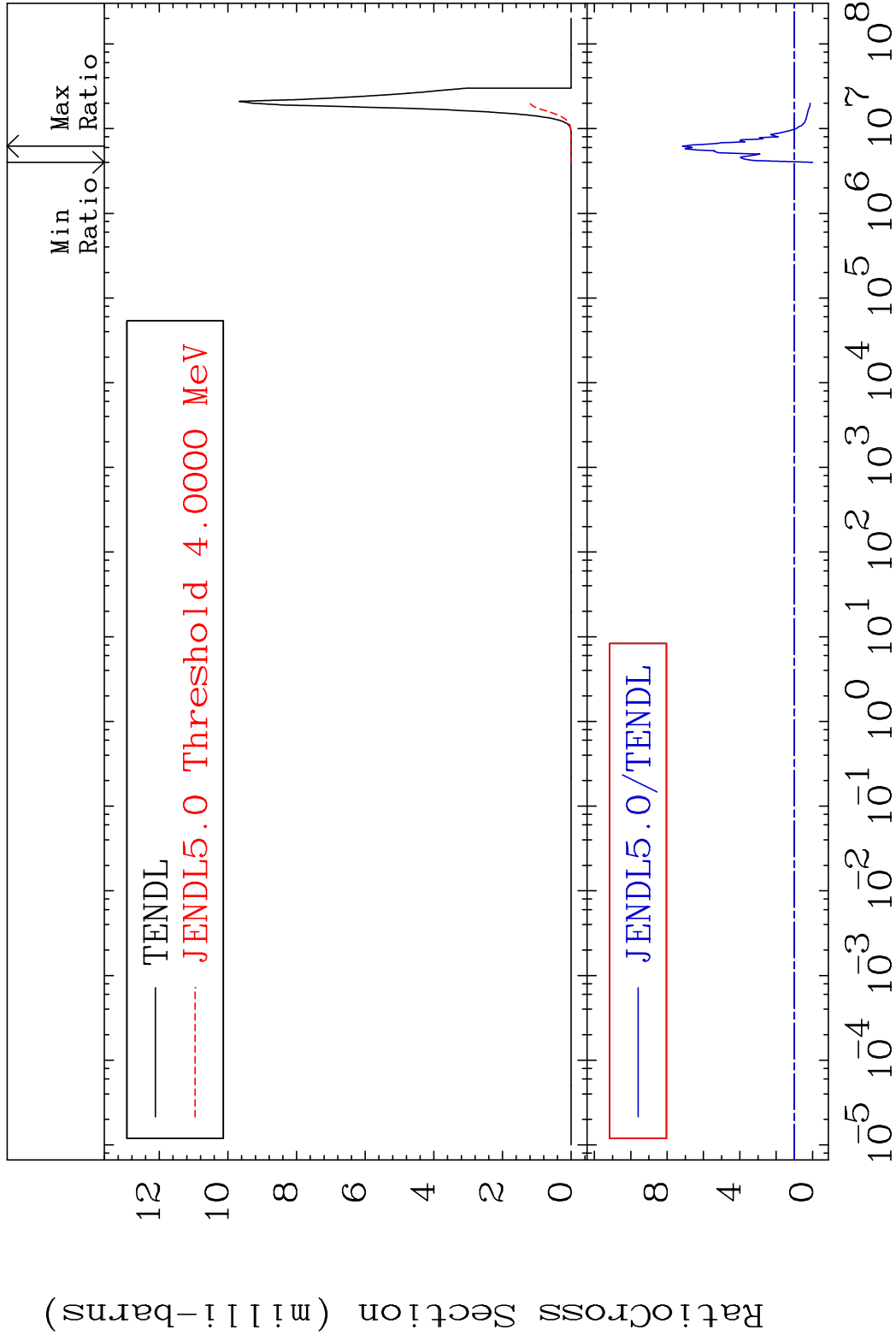
51-Sb-124

MAT 5134

(n, α)

51-Sb-124

Cross Section -100.0 To 616.1 %



45

Incident Energy (eV)

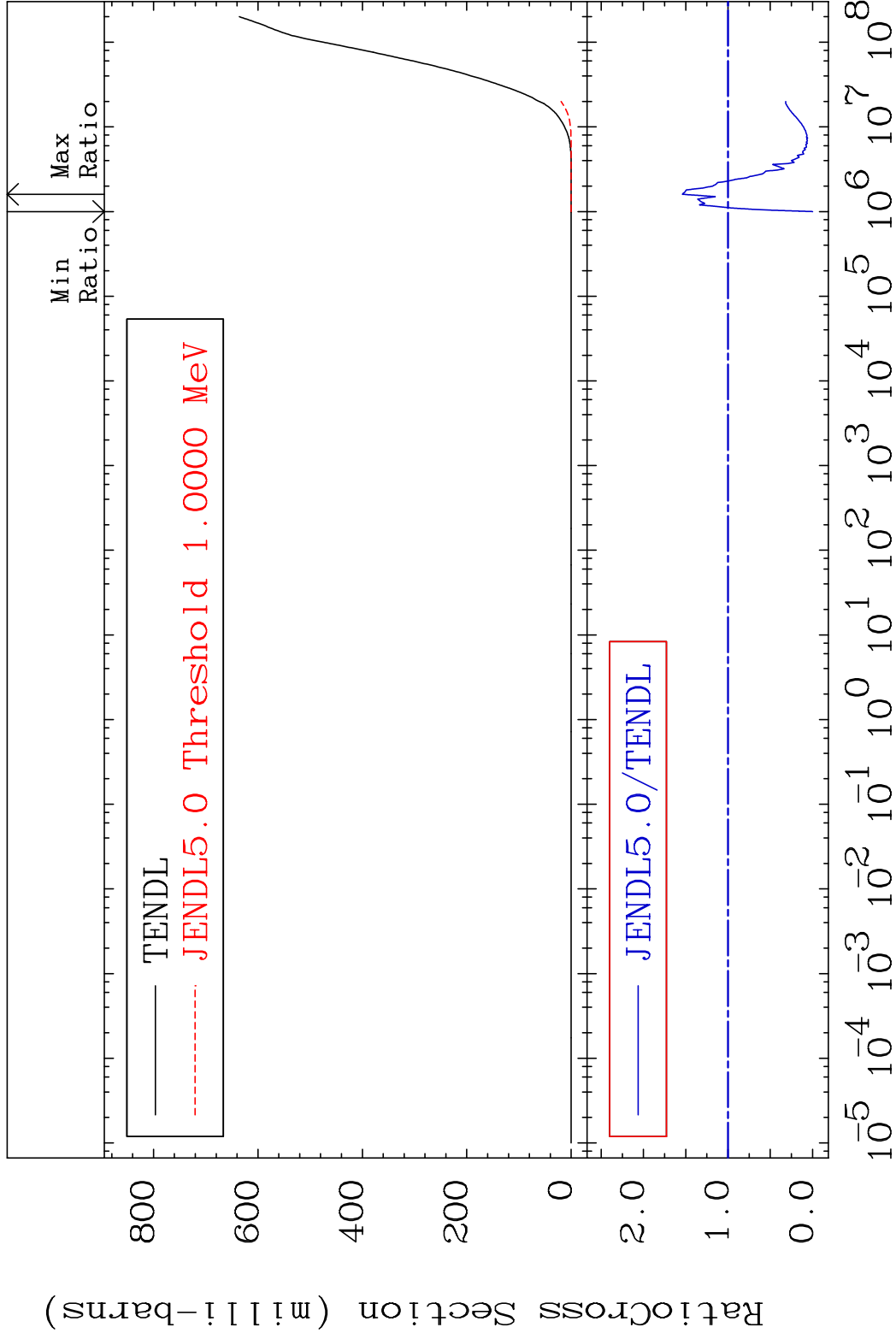
51-Sb-124

MAT 5134

Hydrogen Production

51-Sb-124

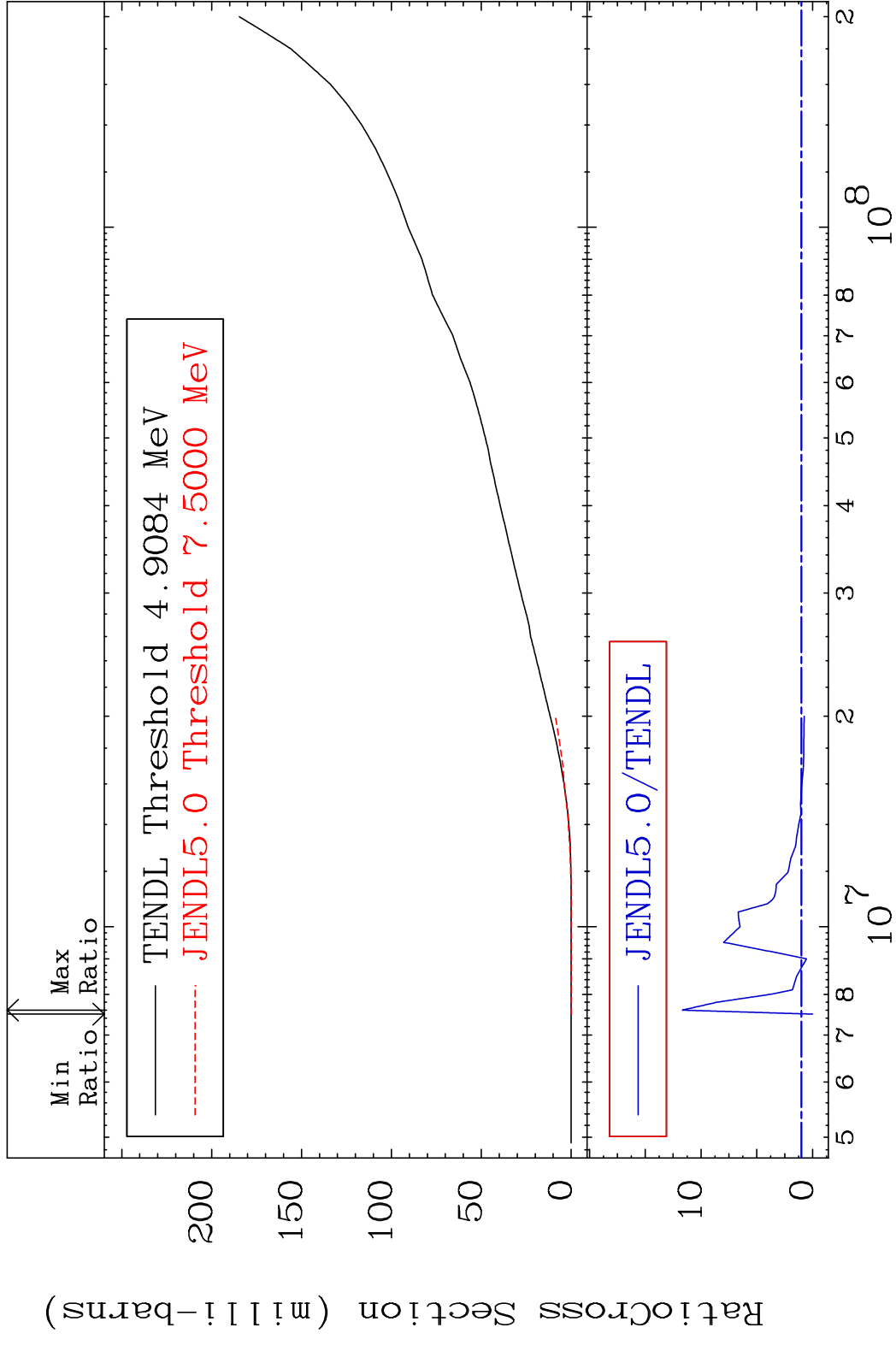
Cross Section -100.0 To 53.98 %



46

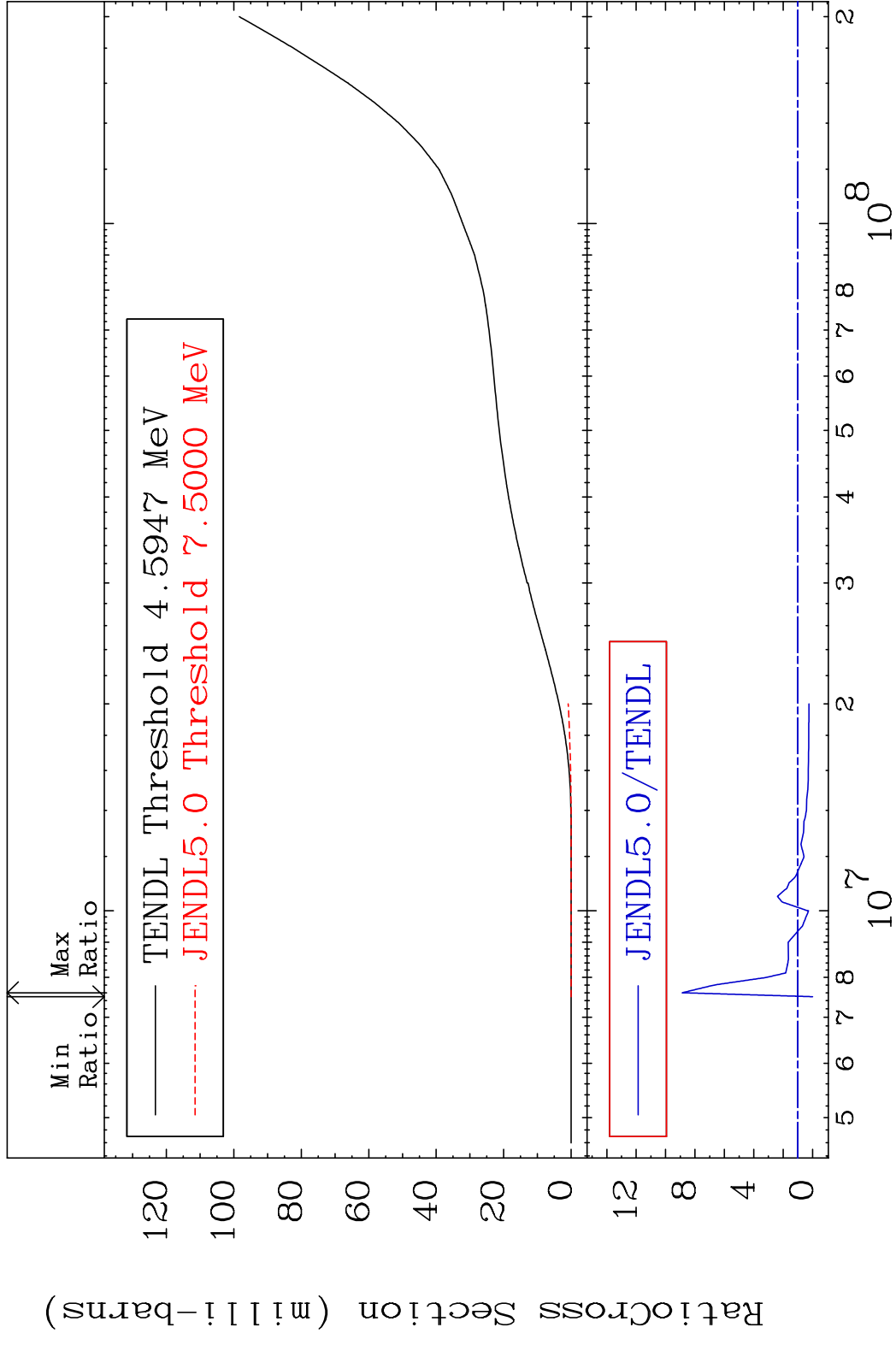
Incident Energy (eV)

51-Sb-124



MAT 5134

Tritium Production 51-Sb-124
Cross Section -100.0 To 785.9 %

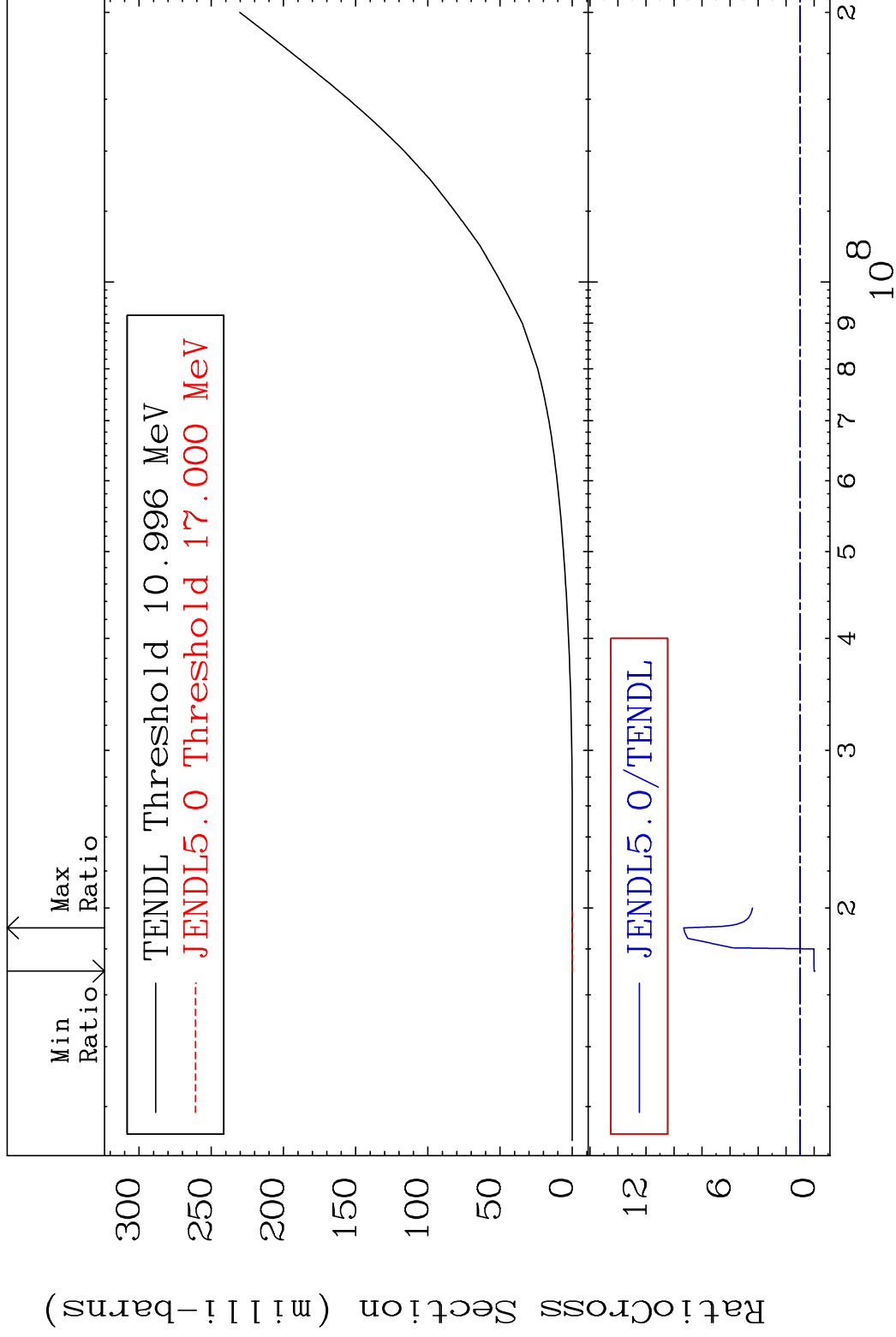


MAT 5134

He-3 Production

51-Sb-124

Cross Section -100.0 To 831.2 %



49

Incident Energy (eV)

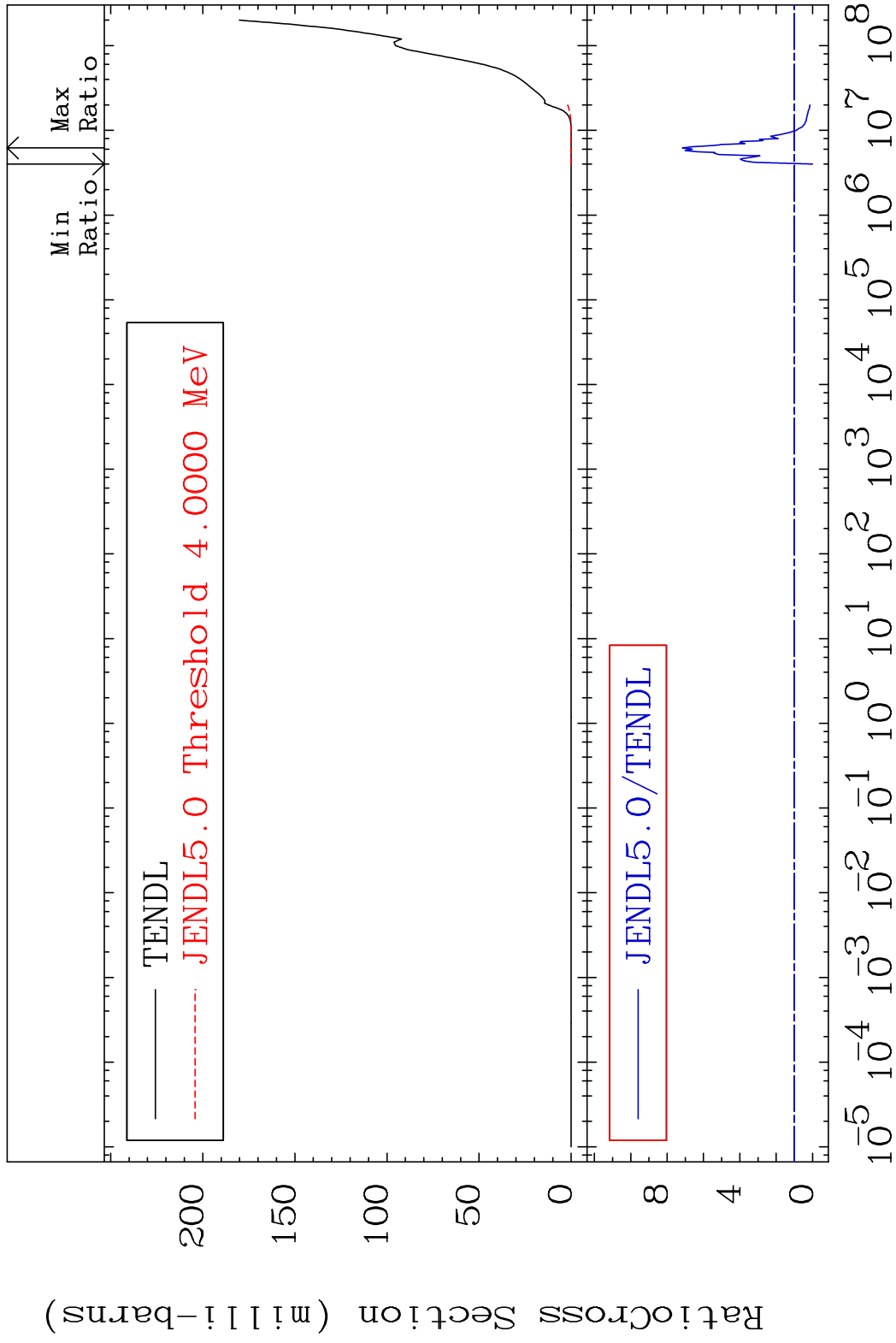
51-Sb-124

MAT 5134

He-4 Production

51-Sb-124

Cross Section -100.0 To 616.1 %

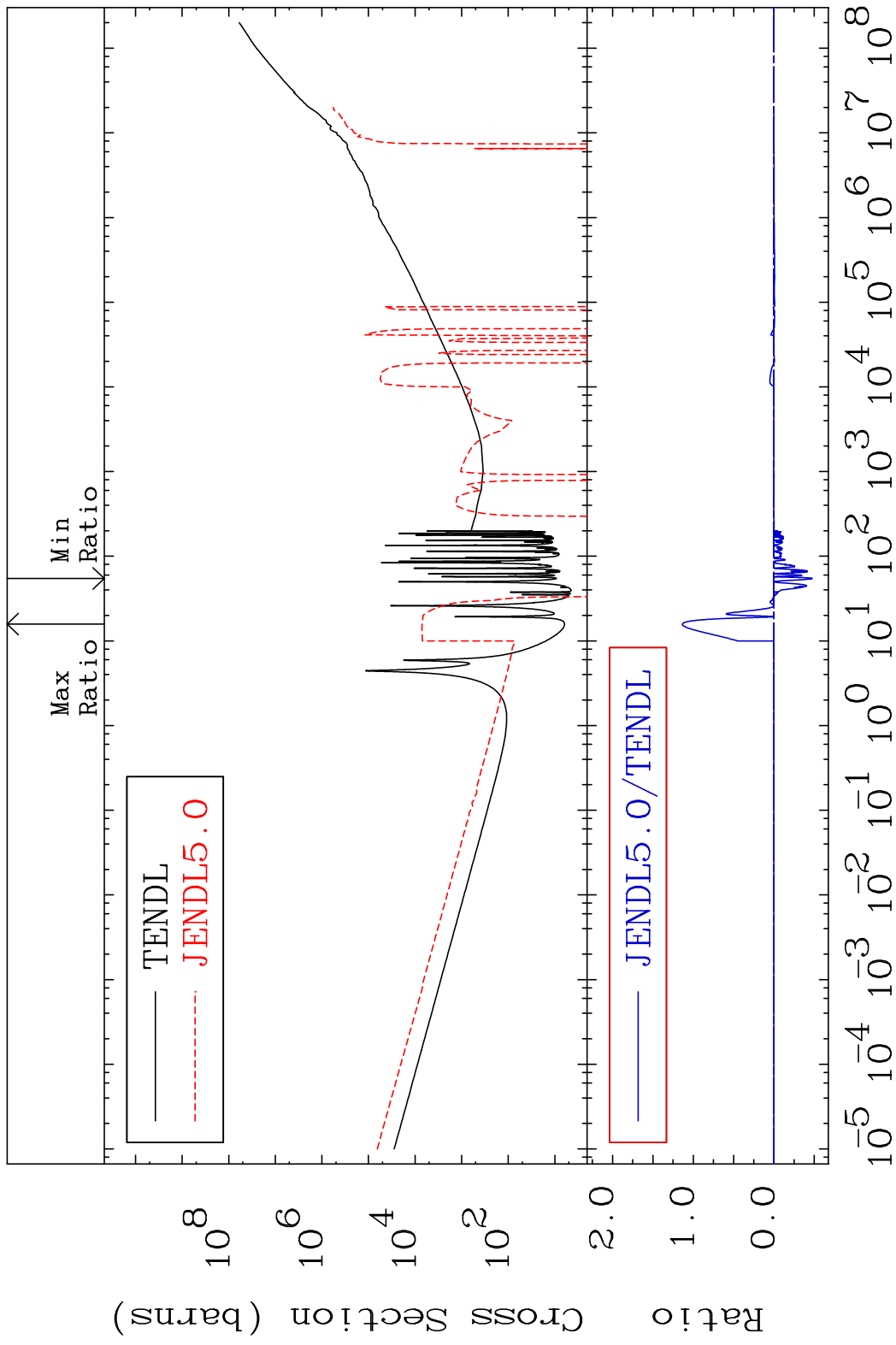


50

Incident Energy (eV)

51-Sb-124

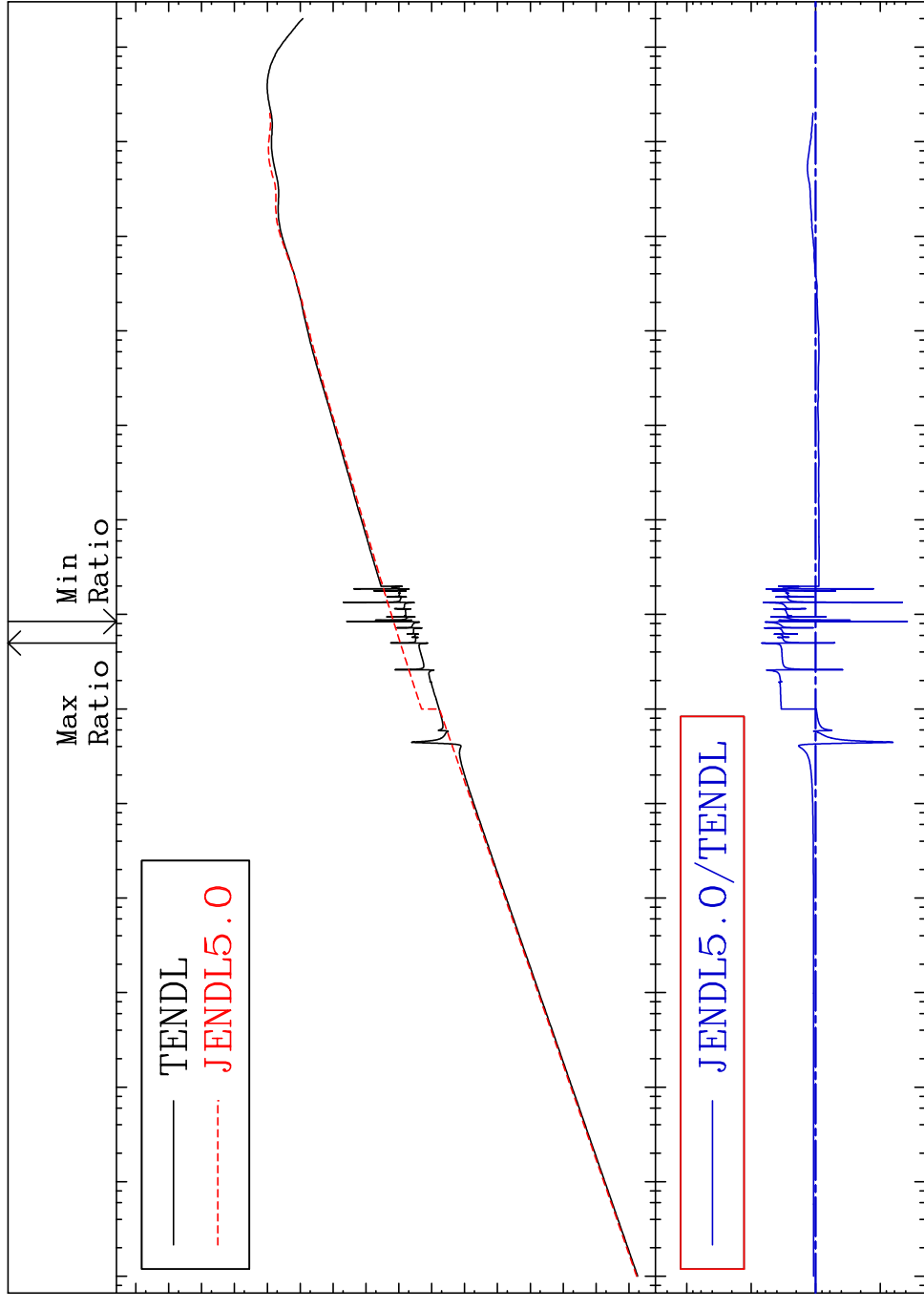
MAT 5134 Kerma total (eV-barns) 51-Sb-124
 Cross Section -9999. To 9999. %



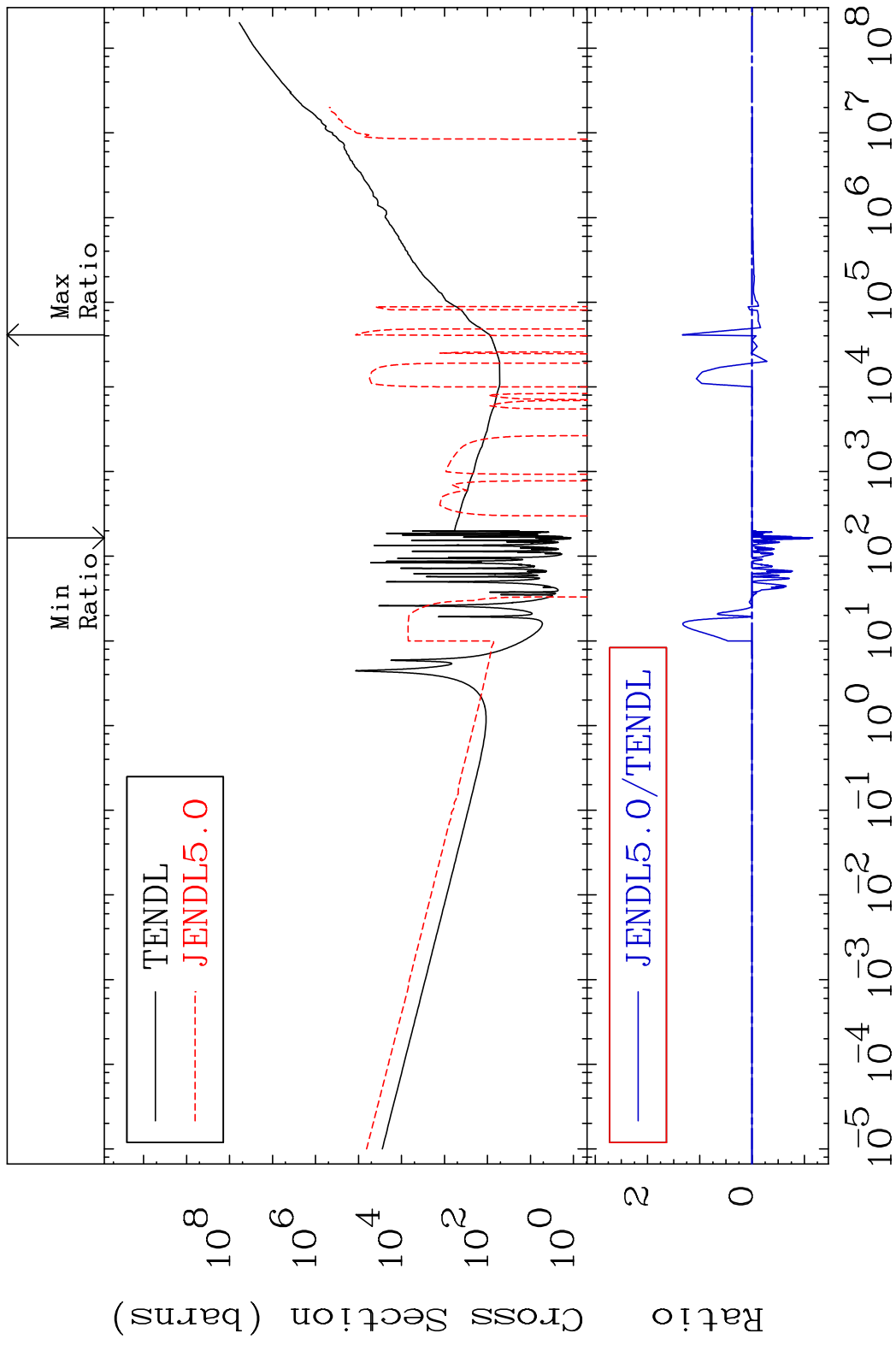
MAT 5134

Kerma elastic
Cross Section -96.19 To 583.1 %

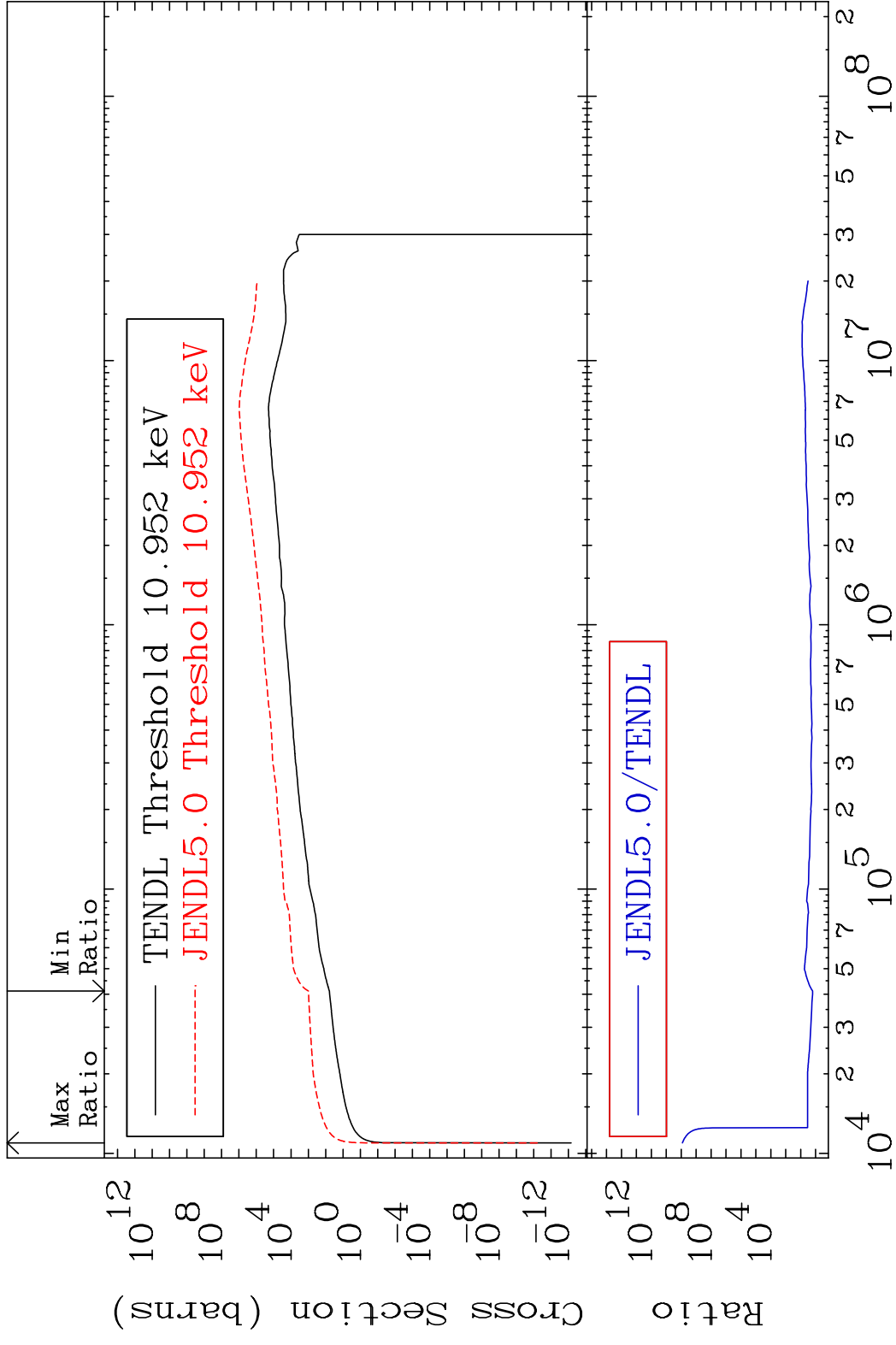
51-Sb-124



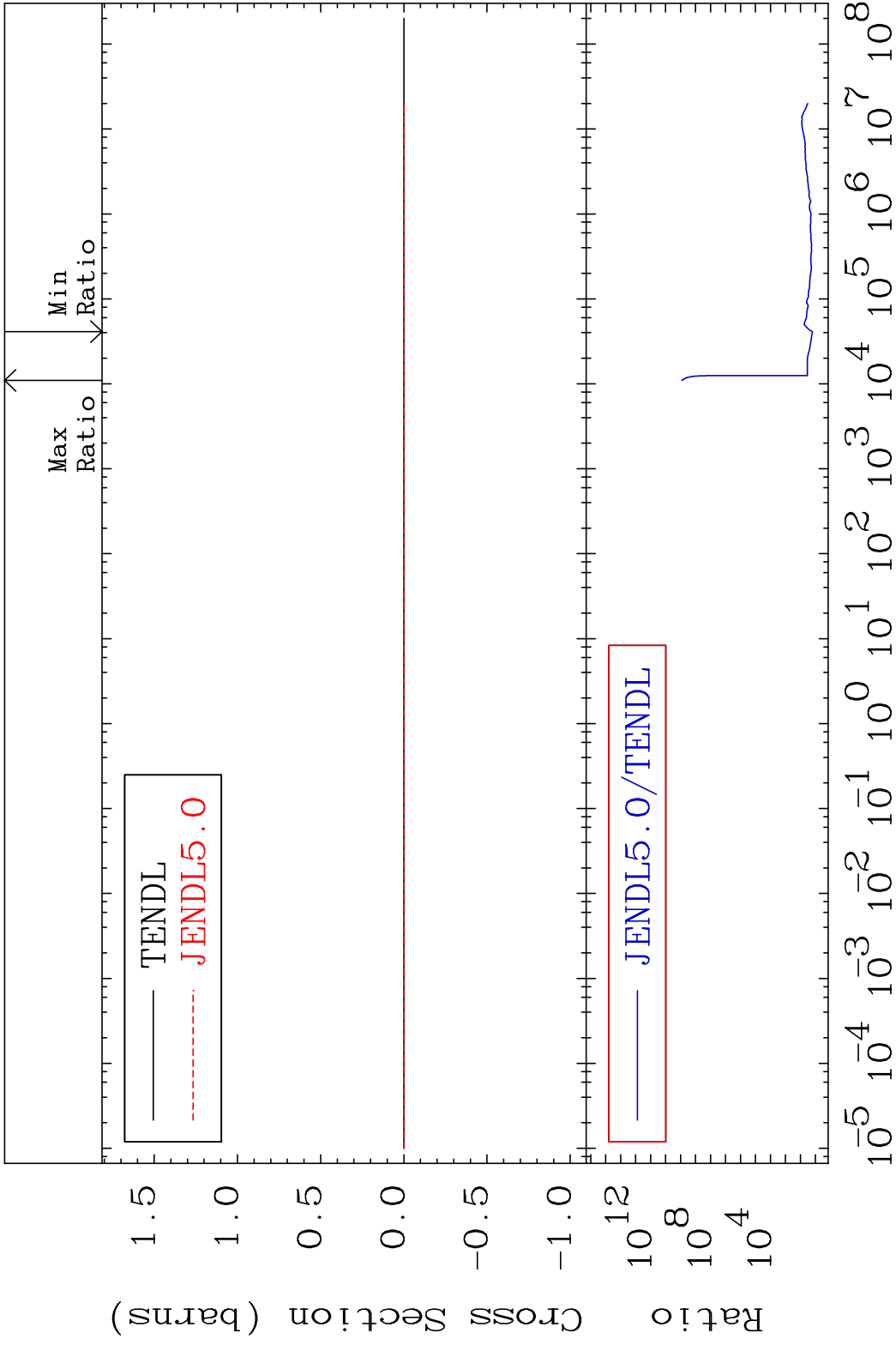
MAT 5134 Kerma non-elastic (all but mt2) 51-Sb-124
 Cross Section -9999. To 9999. %

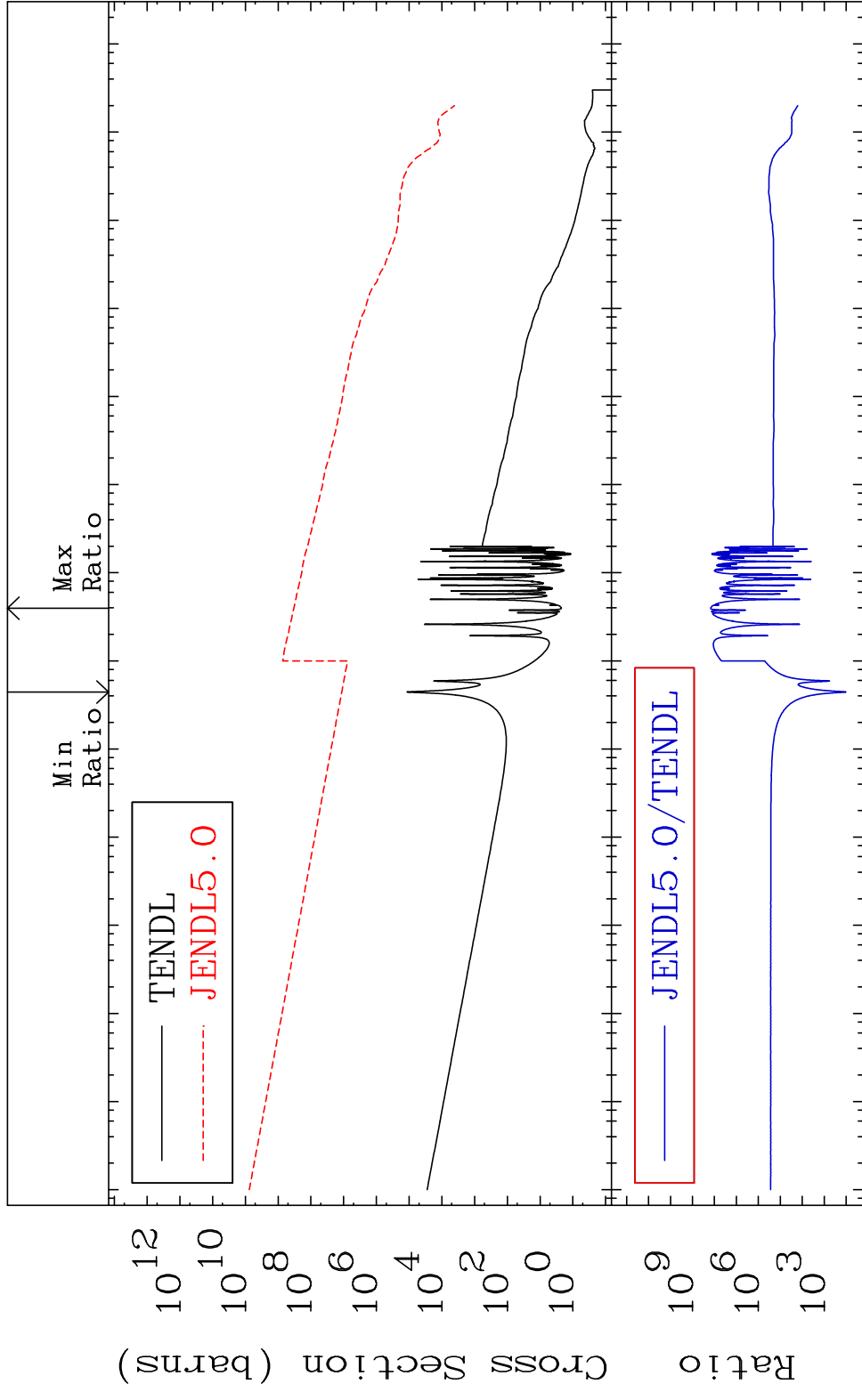


MAT 5134 Kerma inelastic (mt51-91) 51-Sb-124
 Cross Section 1509. To 9999. %

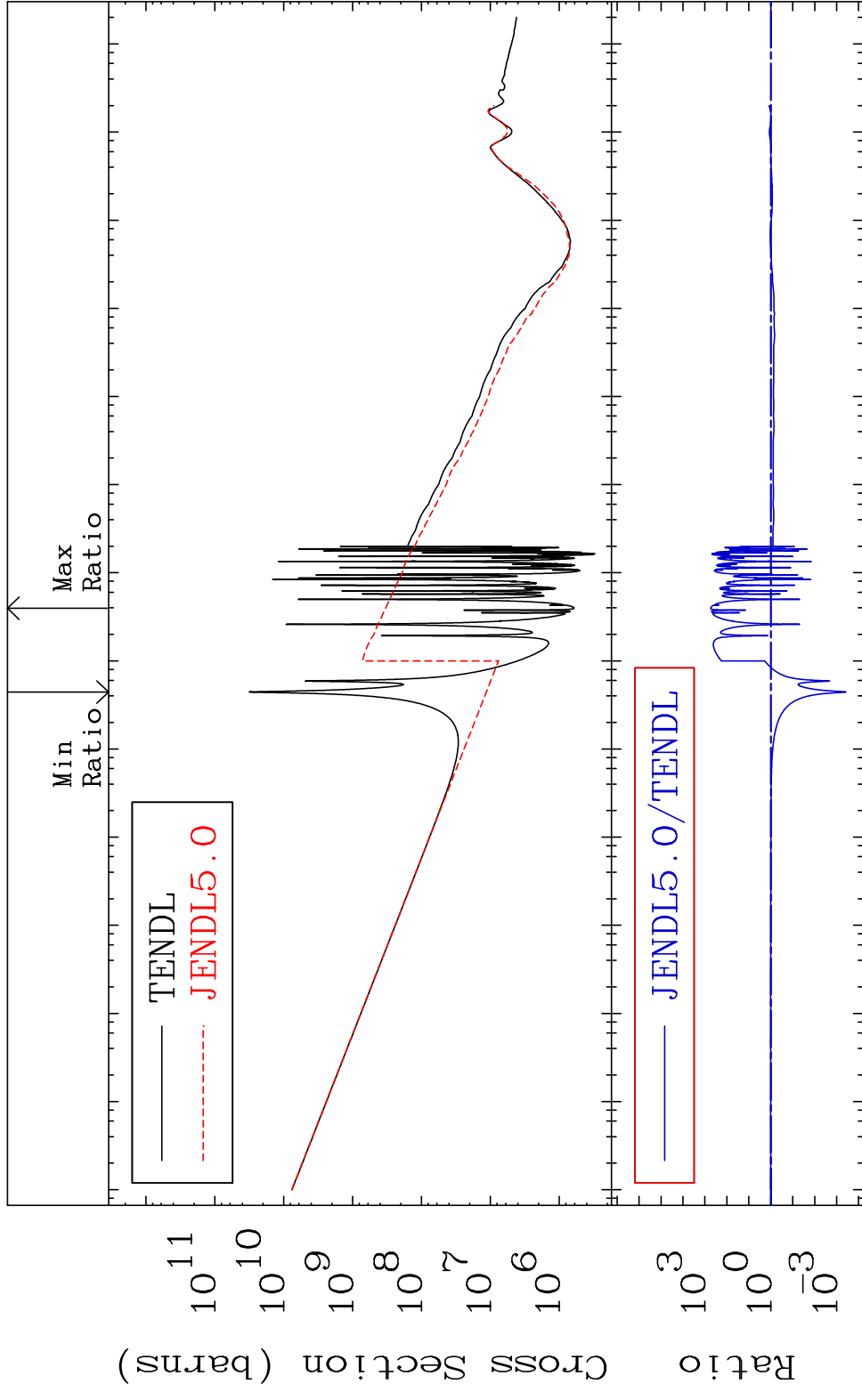


MAT 5134 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-124
 Cross Section 1509. To 9999. %

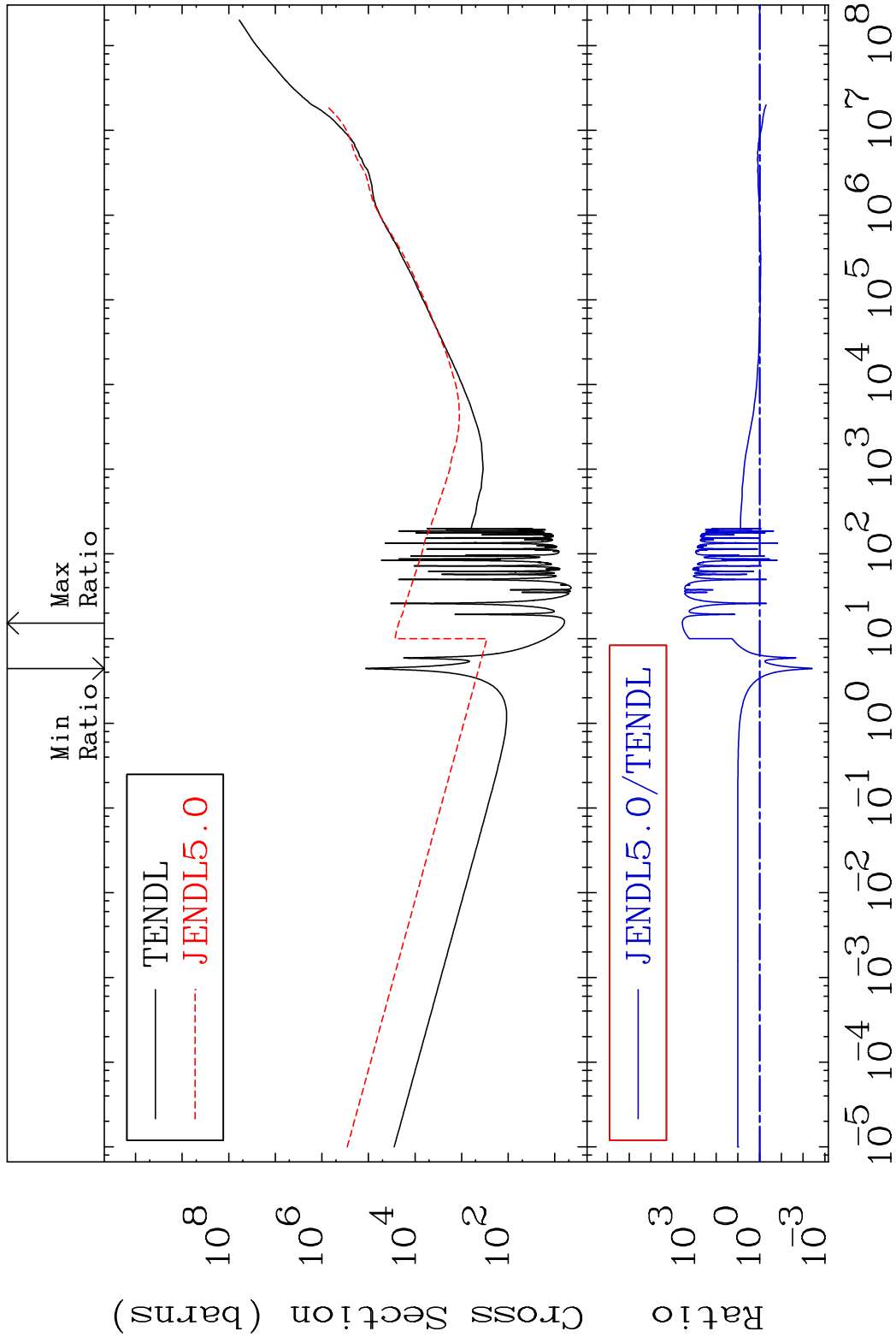




MAT 5134 Total photon (eV-barns) 51-Sb-124
 Cross Section -99.96 To 9999. %



MAT 5134 Total kinematic kerma (high limit) 51-Sb-124
 Cross Section -99.63 To 9999. %

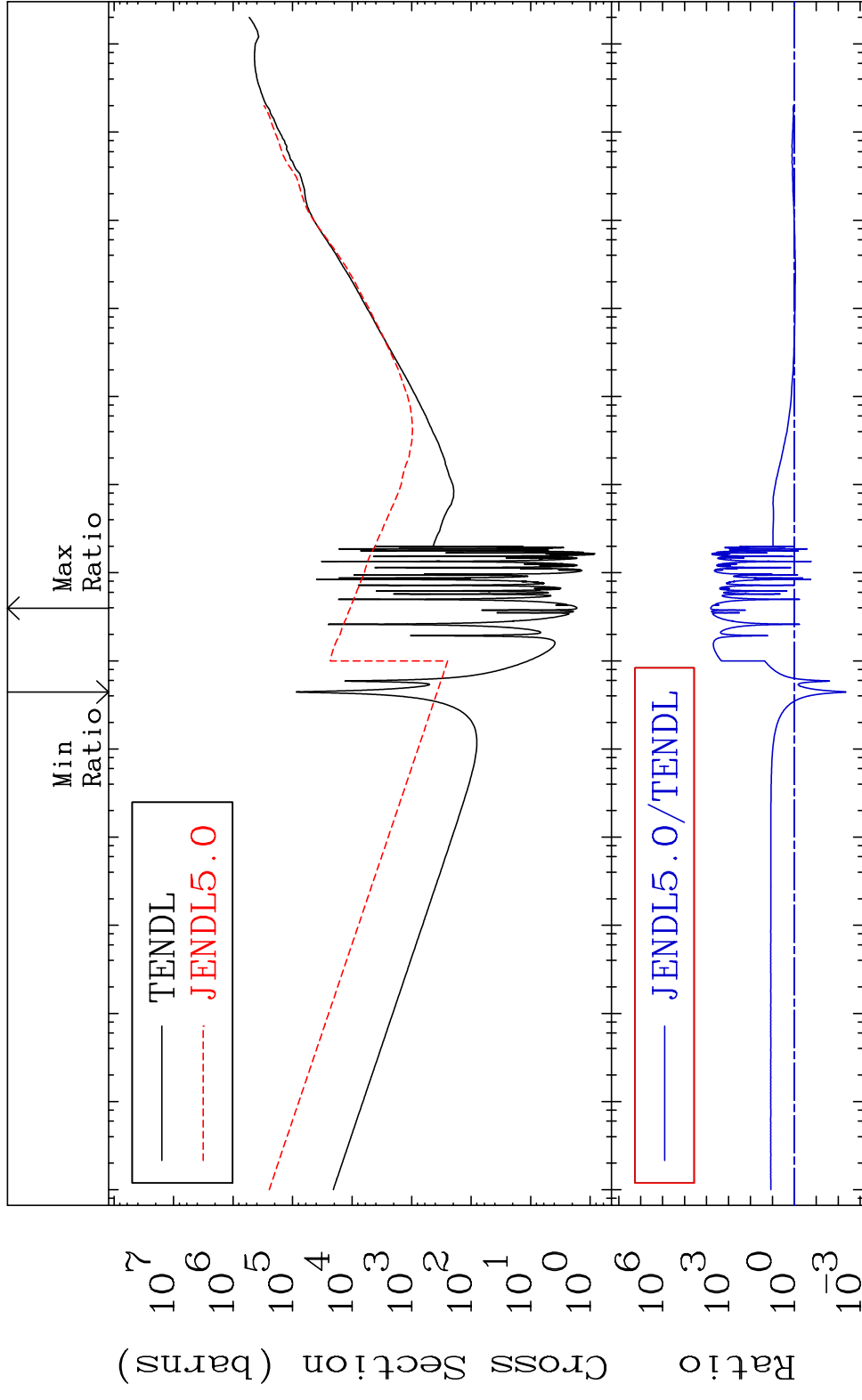


MAT 5134

Dpa total (eV-barns)

51-Sb-124

Cross Section -99.57 To 9999. %

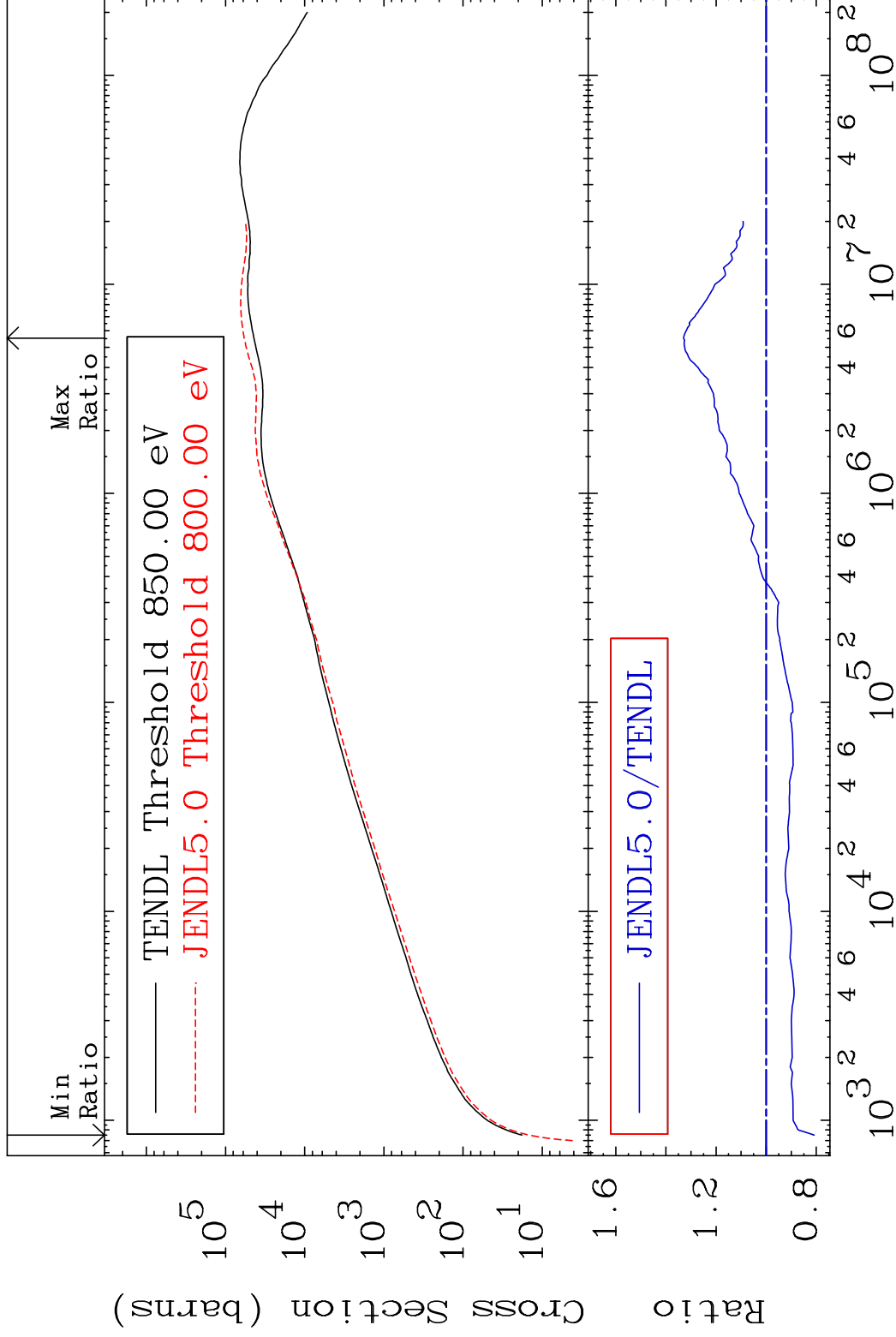


MAT 5134

Dpa elastic (mt2)

51-Sb-124

Cross Section -19.12 To 32.92 %



60

Incident Energy (eV)

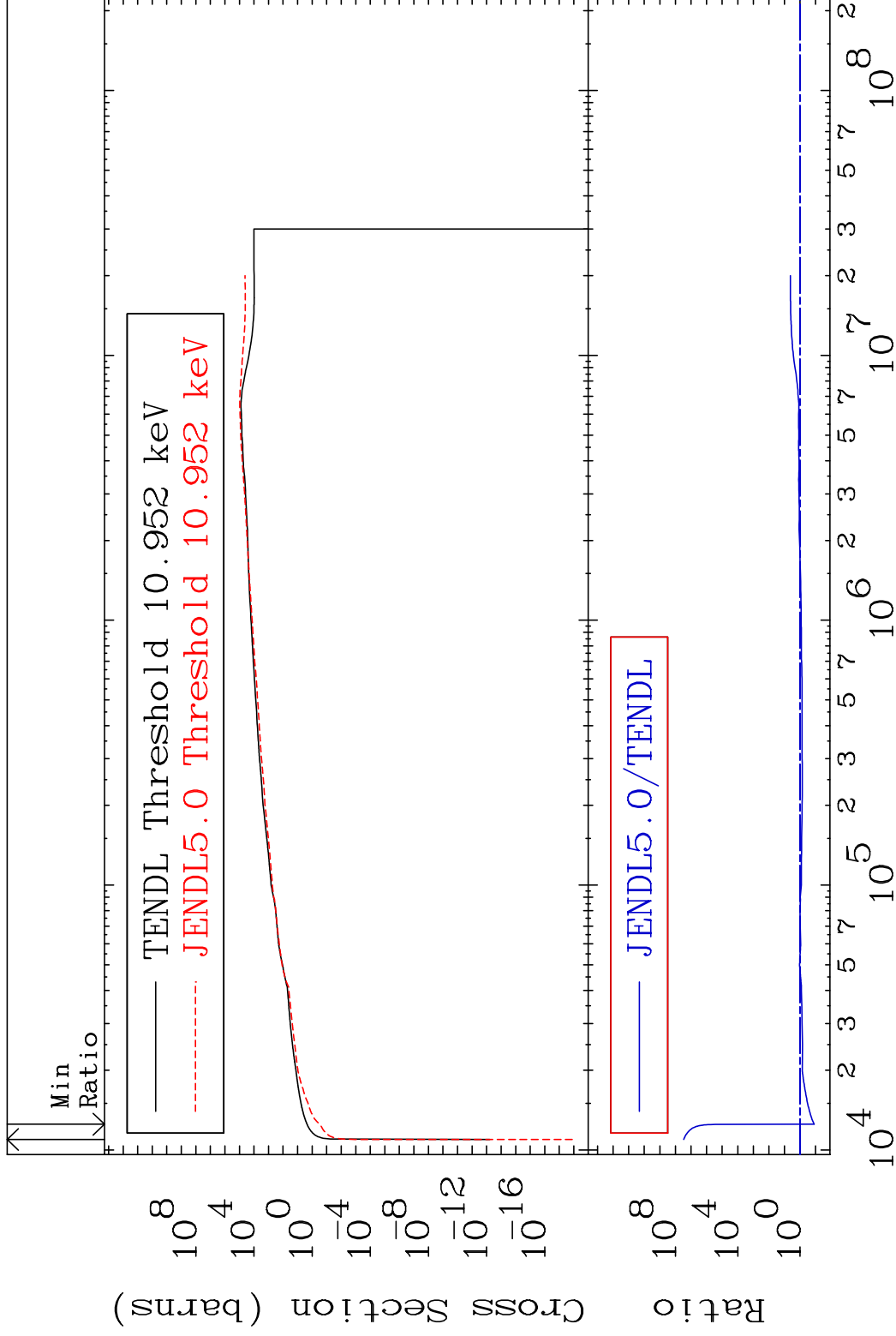
51-Sb-124

MAT 5134

Dpa inelastic (mt51-91)

51-Sb-124

Cross Section -87.49 To 9999. %

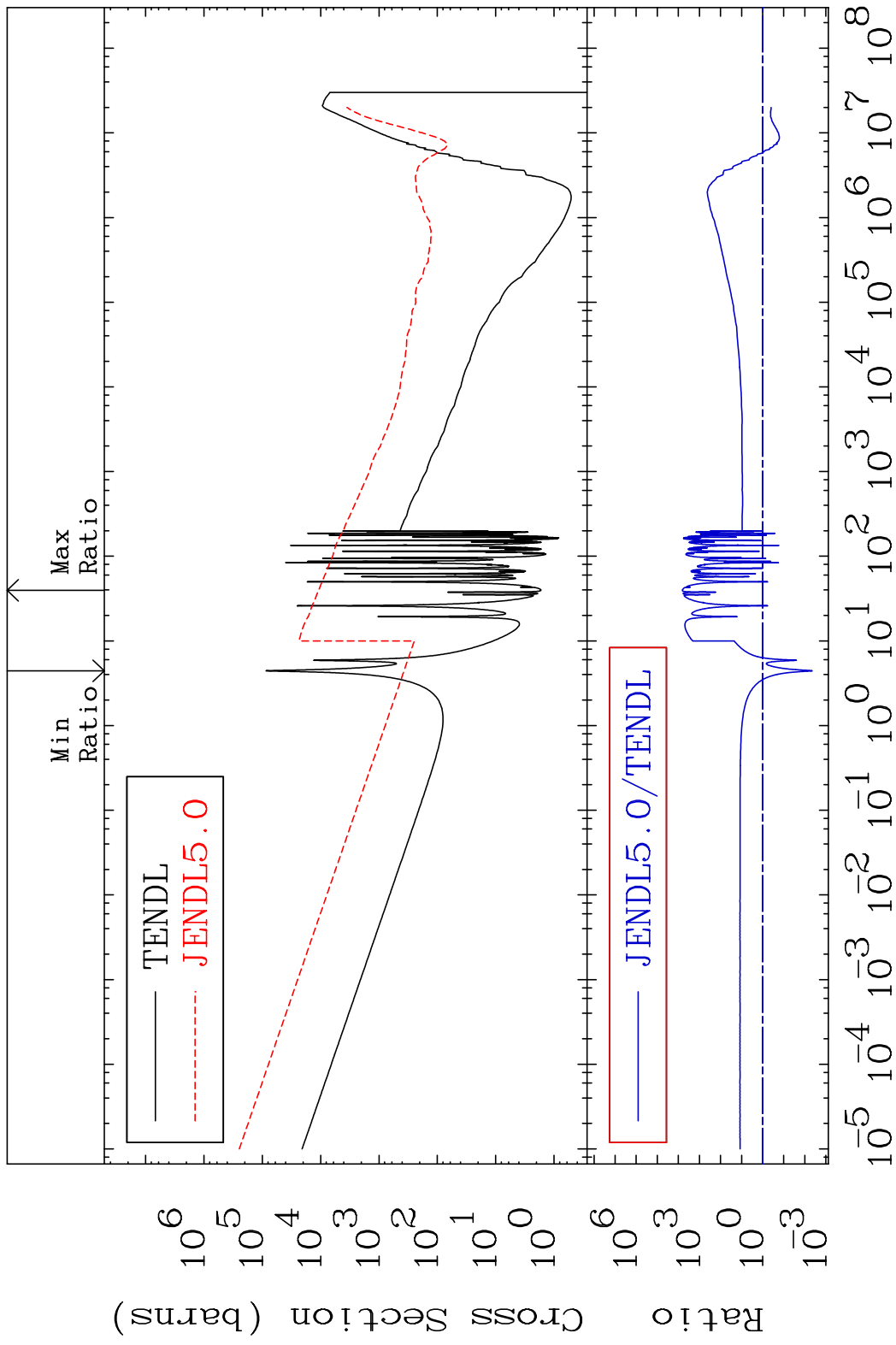


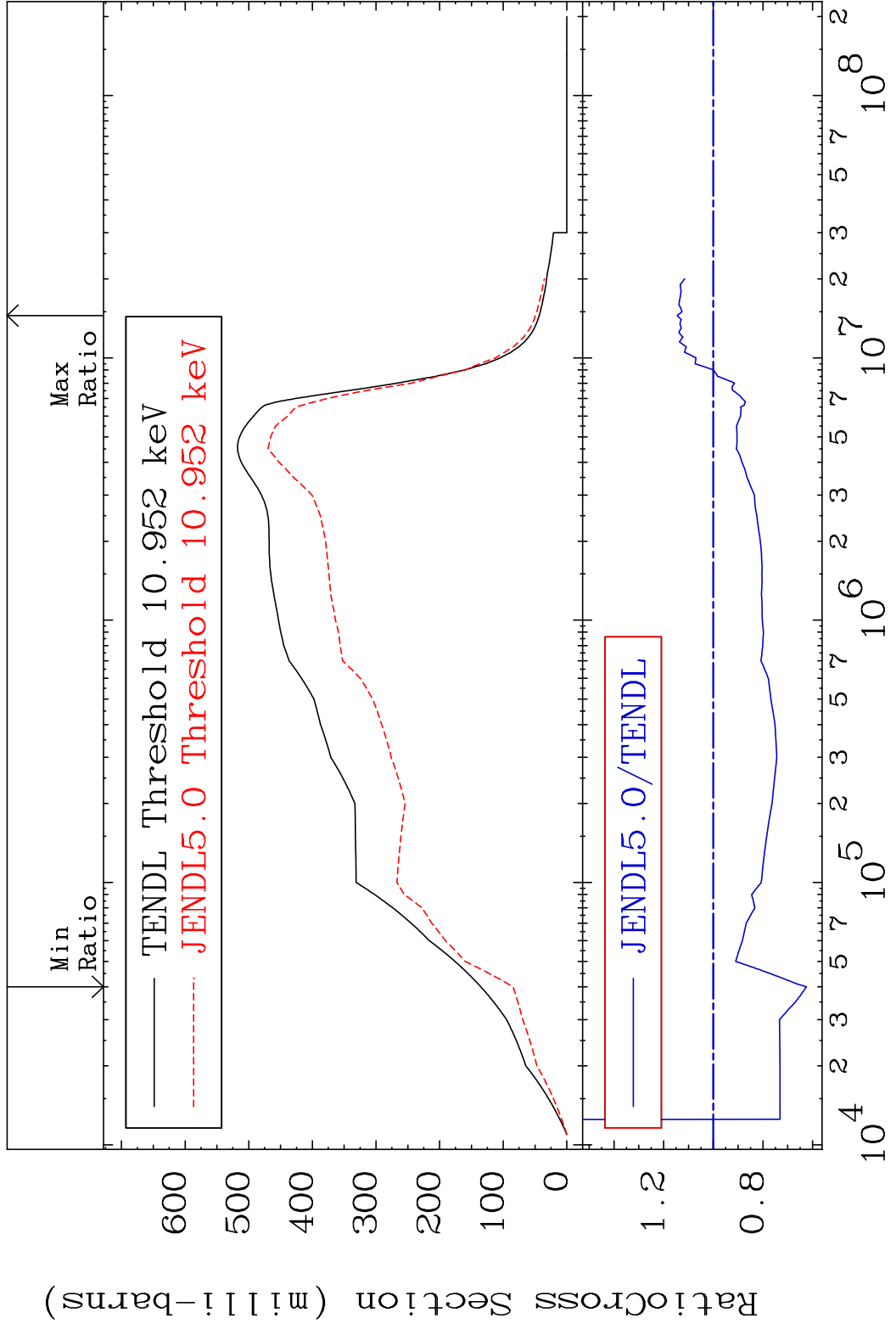
61

Incident Energy (eV)

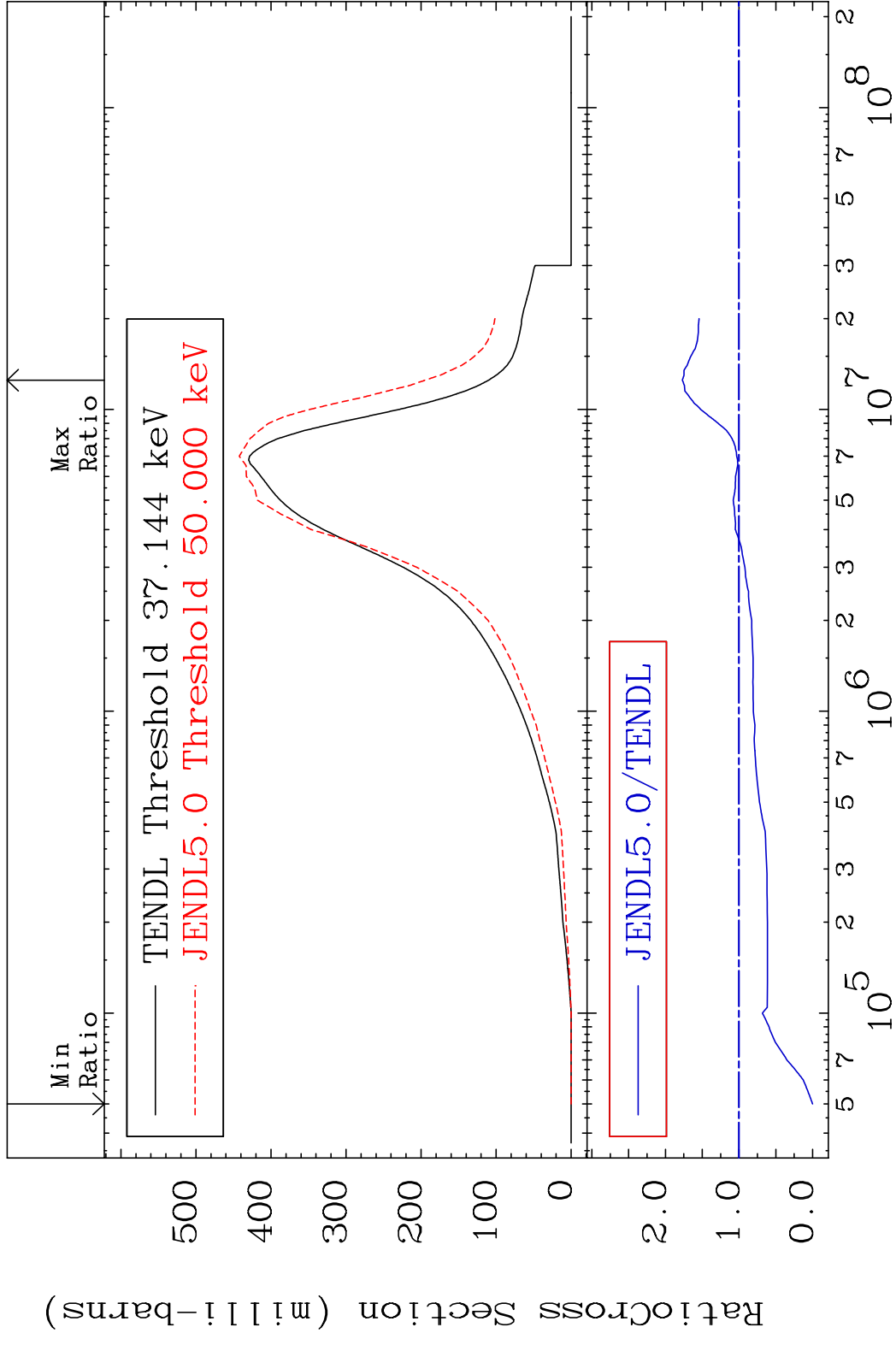
51-Sb-124

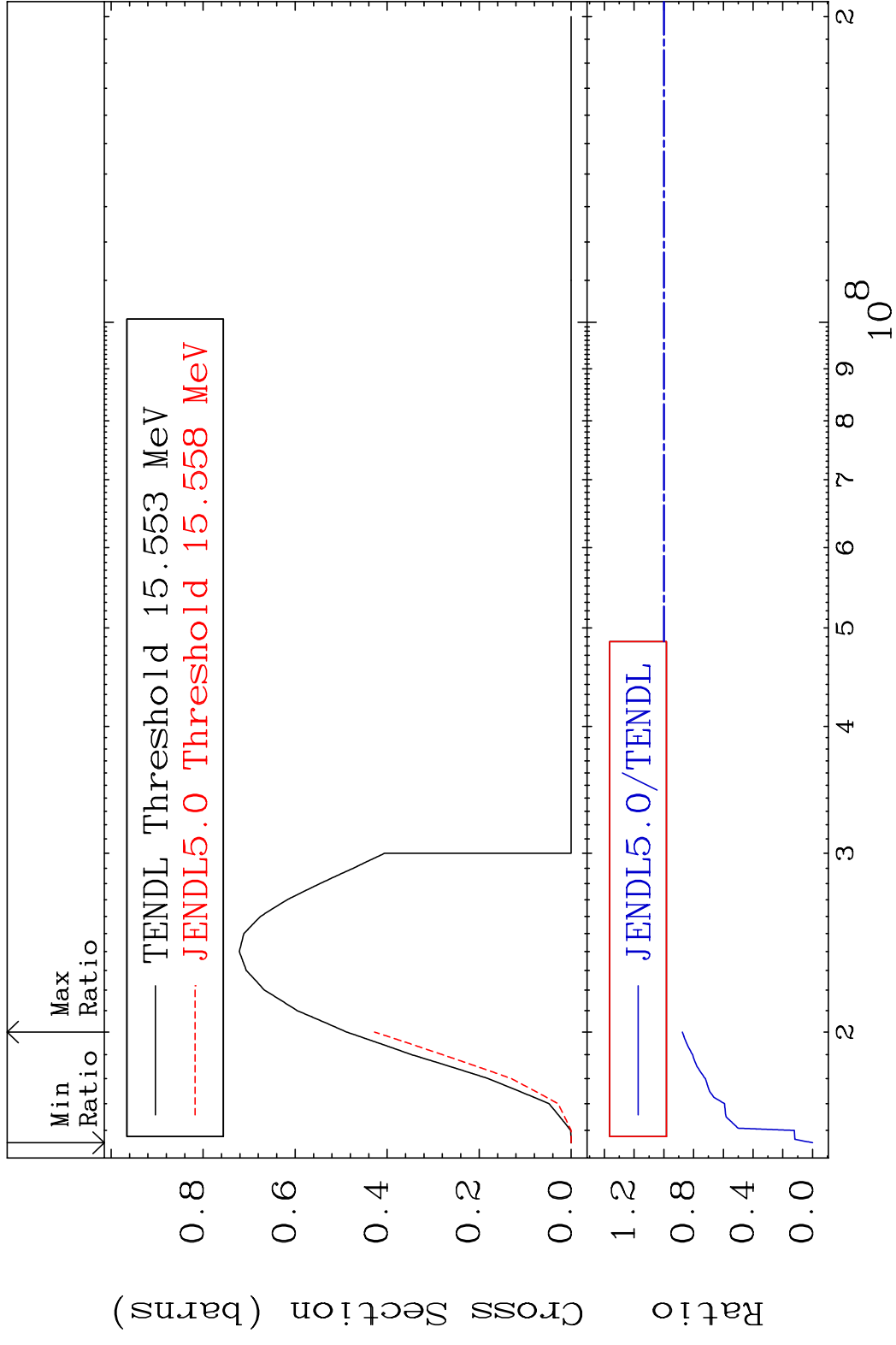
MAT 5134 Dpa disappearance (mt102 -120) 51-Sb-124
 Cross Section -99.57 To 9999. %

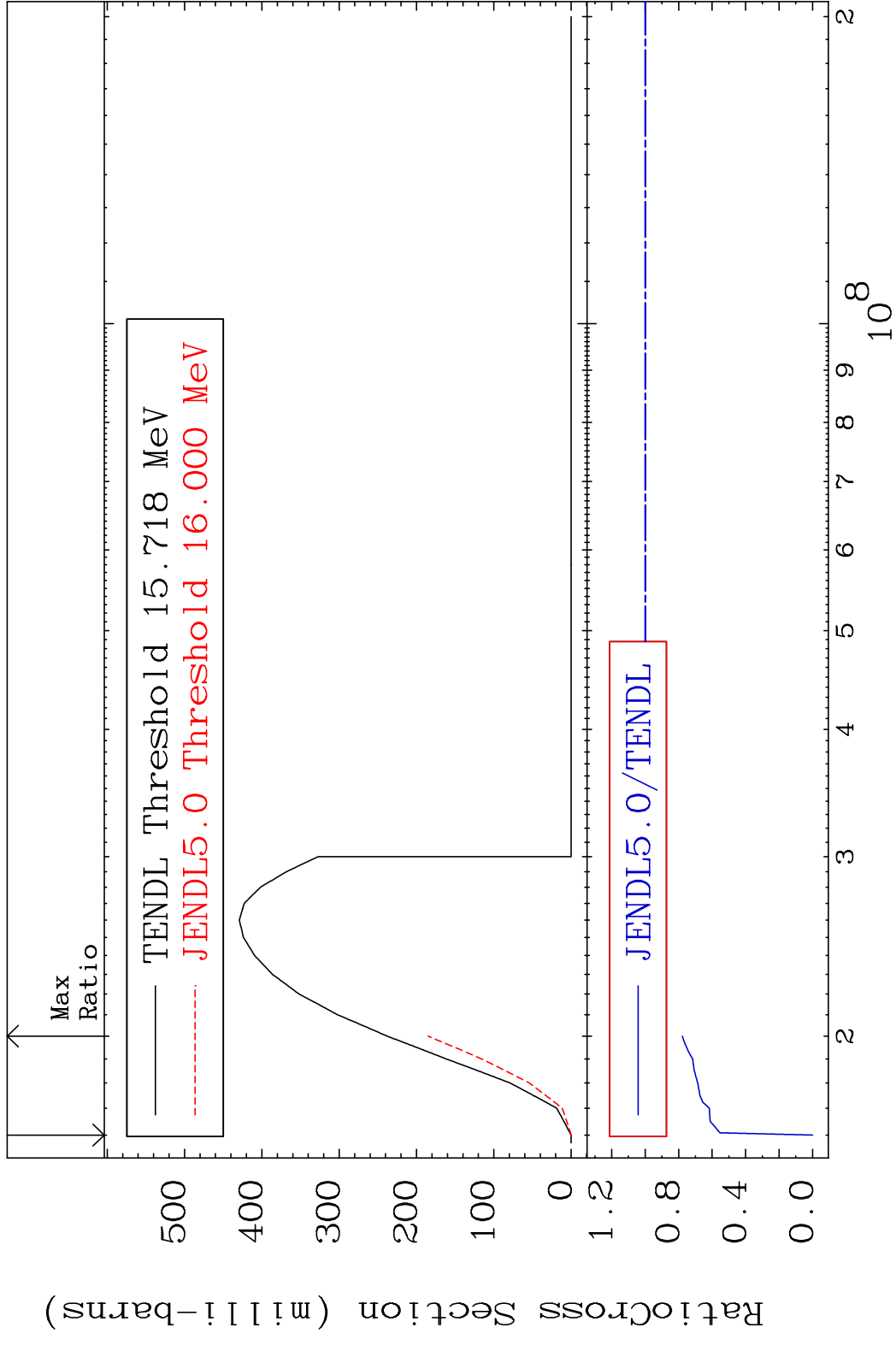


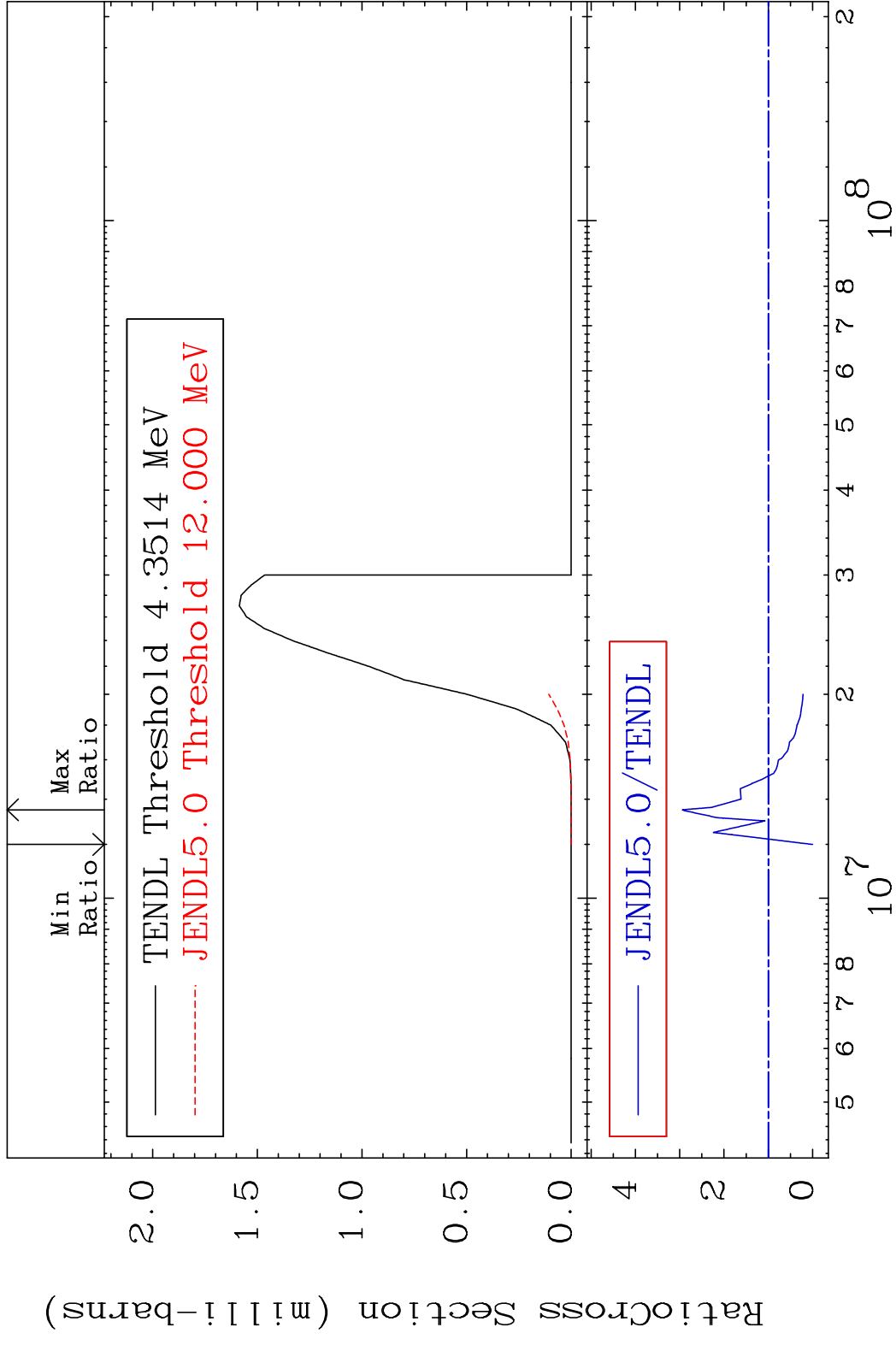


MAT 5134 Inelastic:51-Sb-124m2 51-Sb-124
 Radionuclide Production Cross Section 180.01 dpo 77.01 %

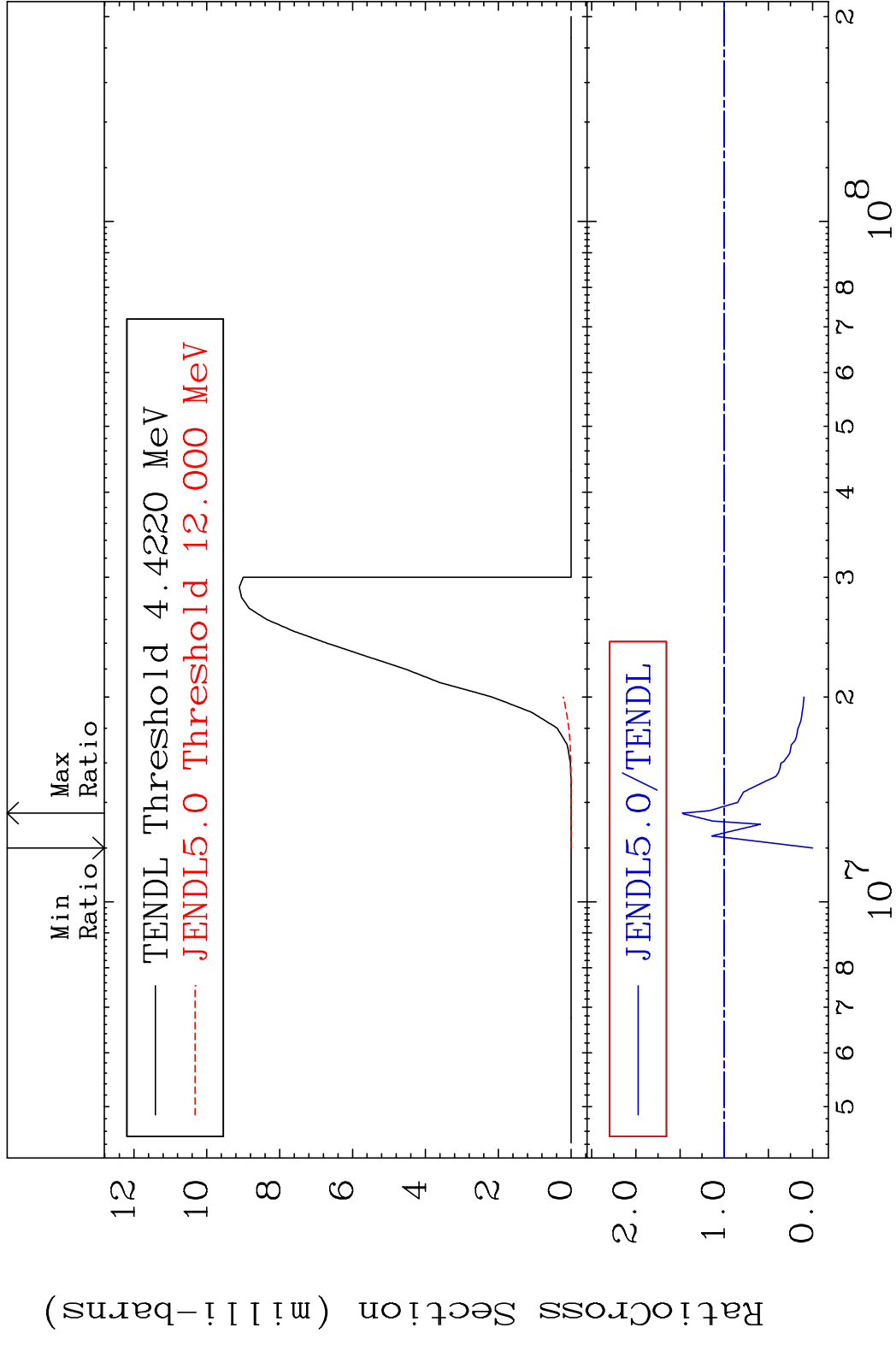


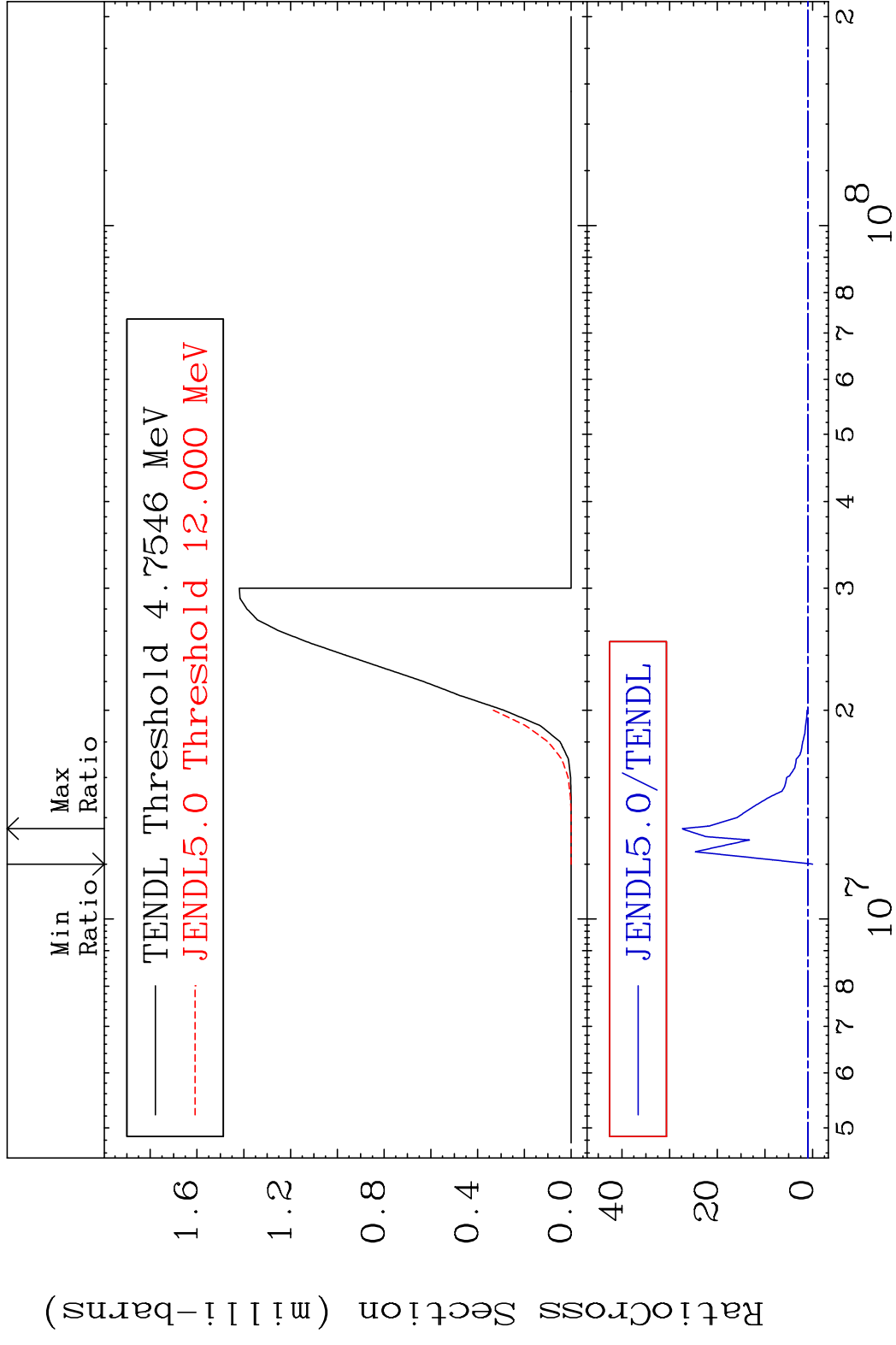




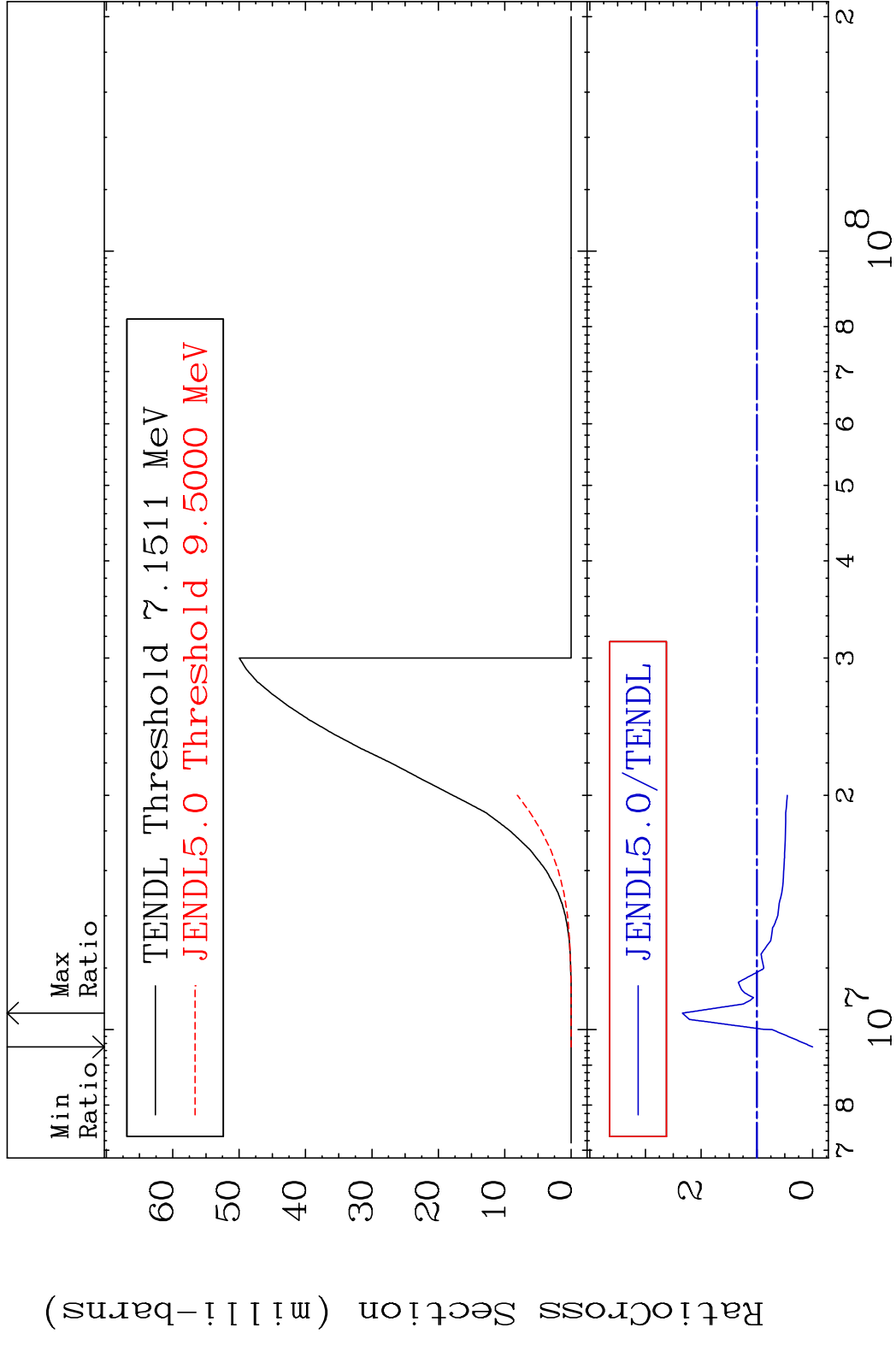


MAT 5134 (n, n') α :49-In-120m1 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 47.36 %

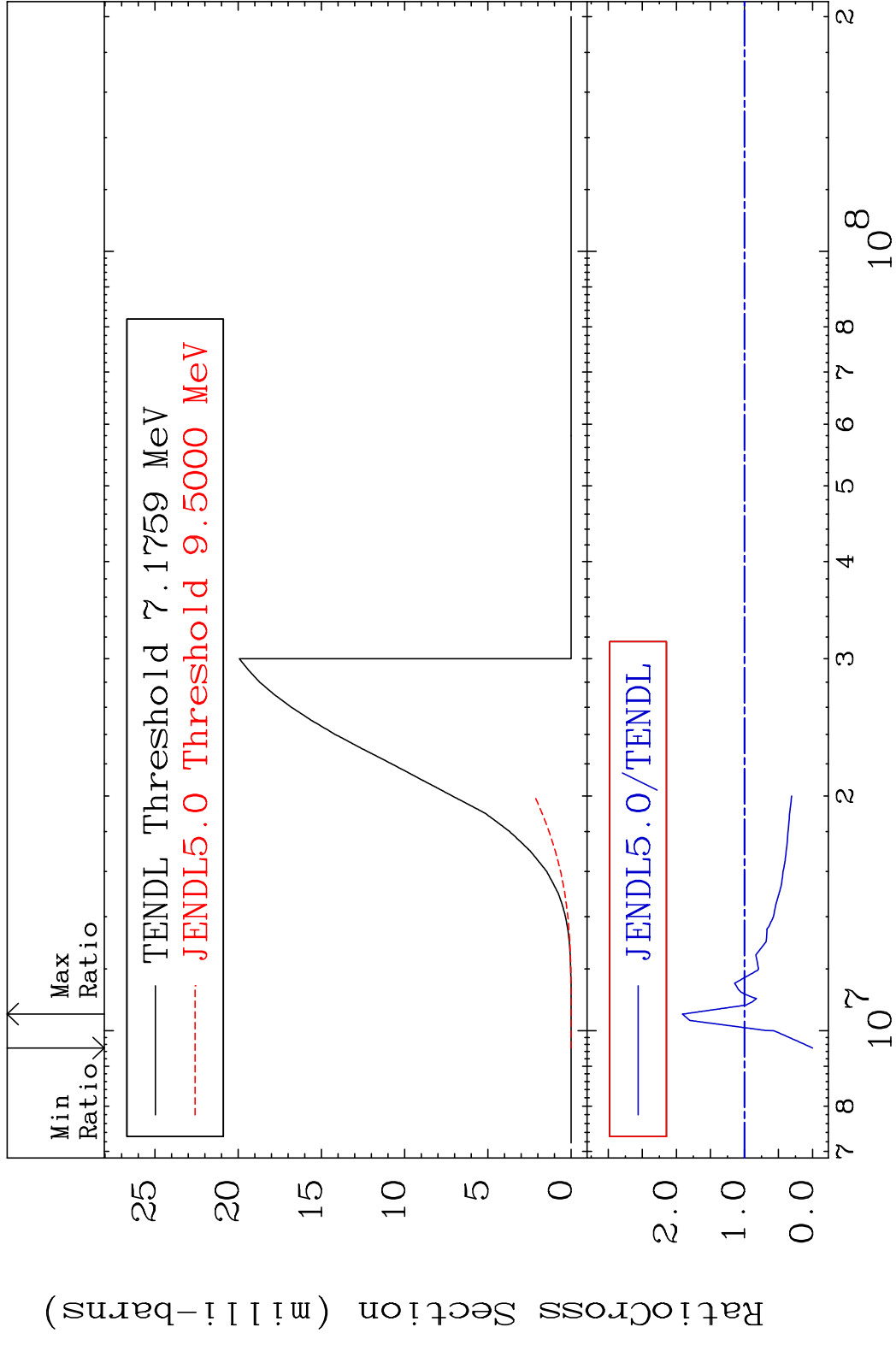


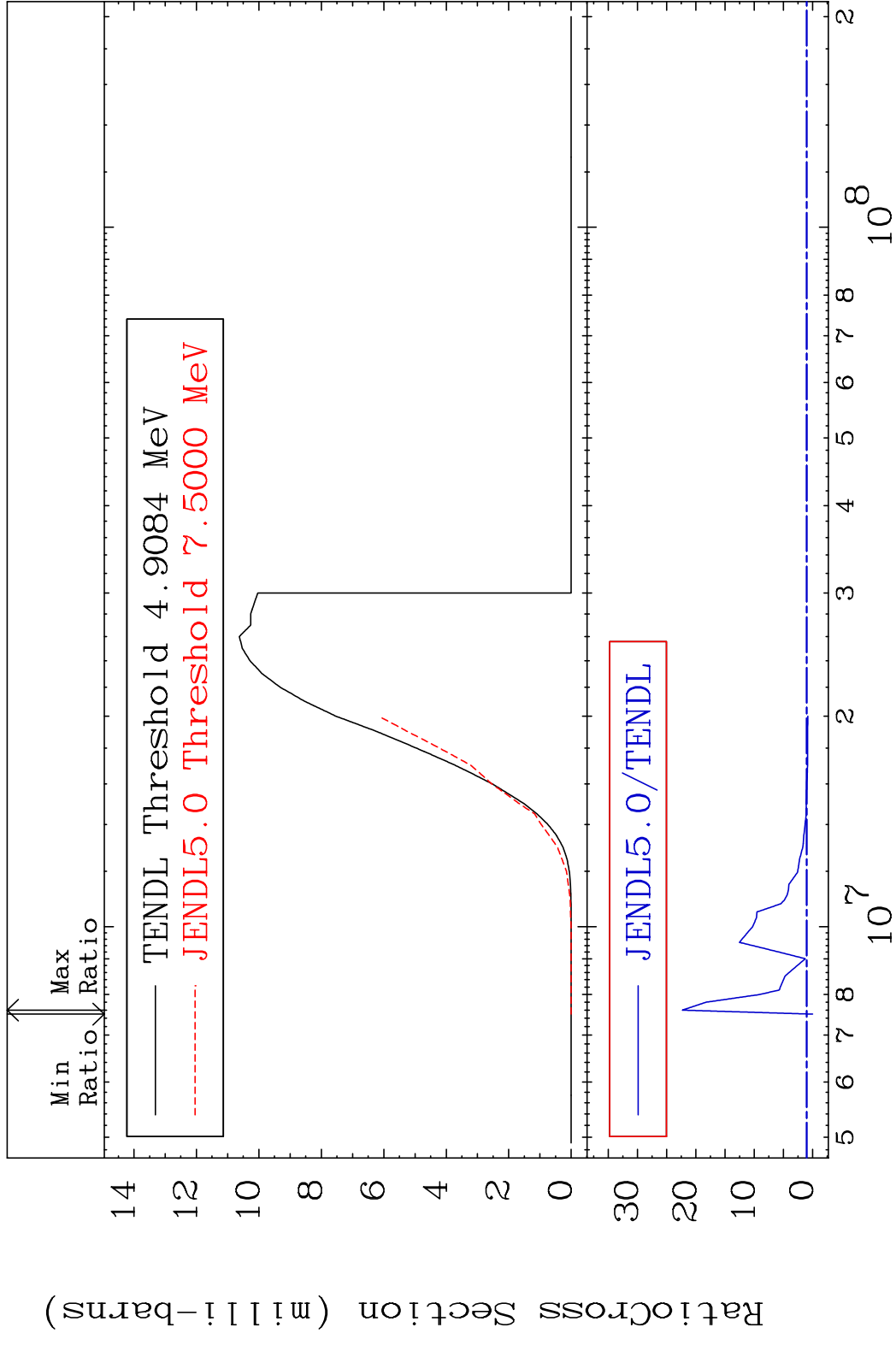


MAT 5134 (n, n') p:50-Sn-123g 51-Sb-124
 Radionuclide Production Cross Section 133.8 %

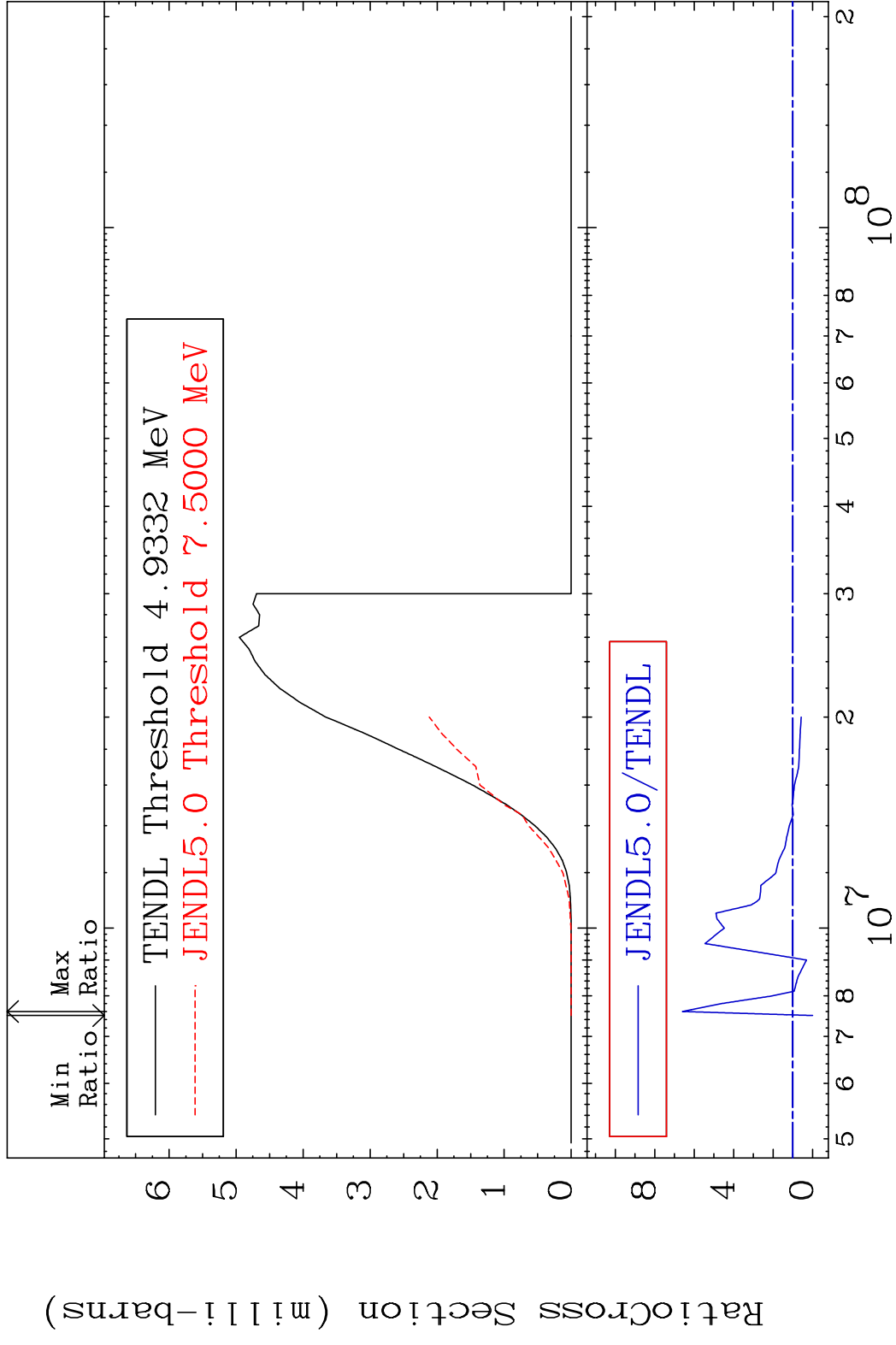


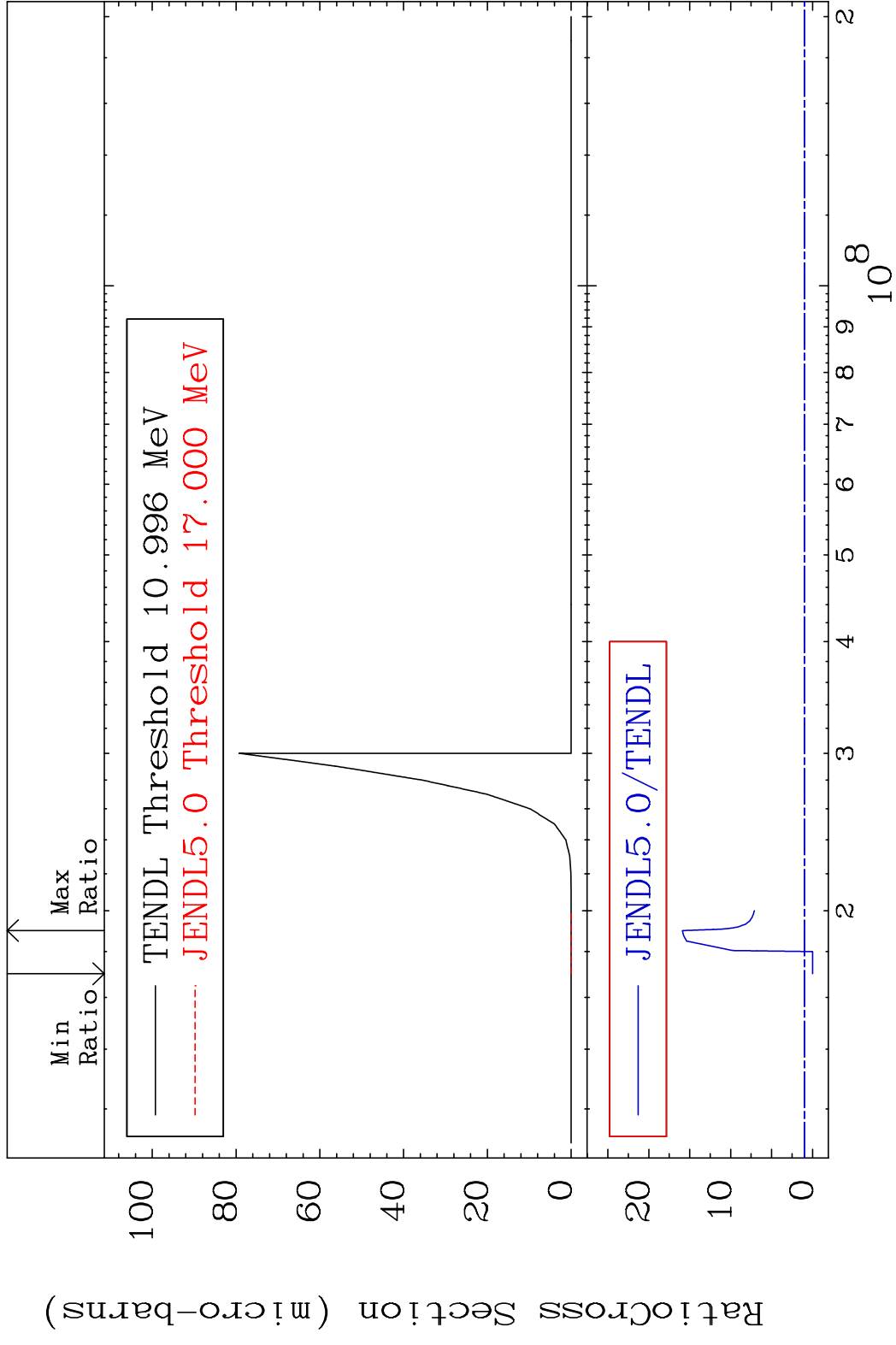
70 Incident Energy (eV) 51-Sb-124



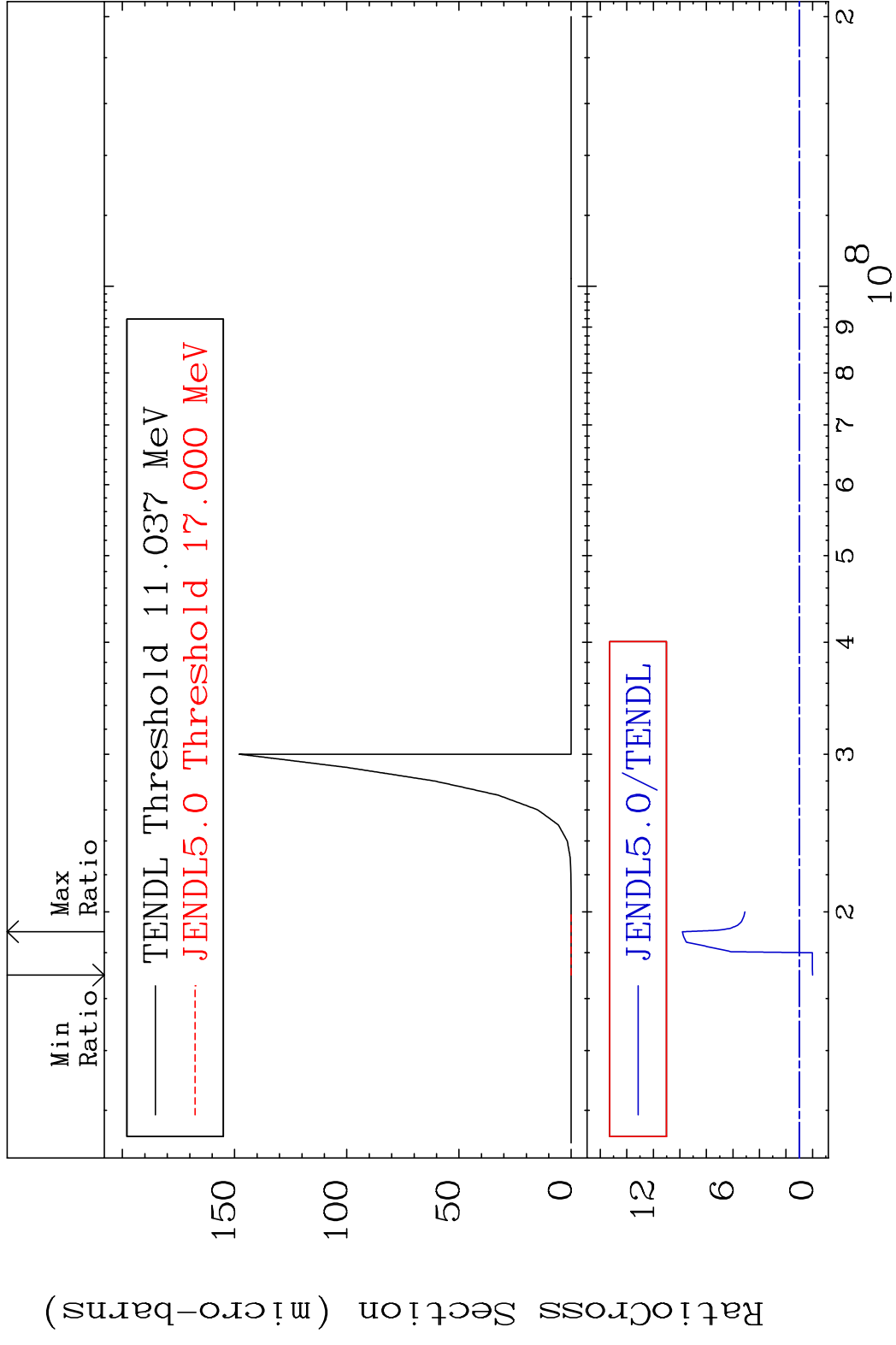


MAT 5134 (n, d):50-Sn-123m1 51-Sb-124
 Radionuclide Production Cross Section 180.0 dth 560.0 %

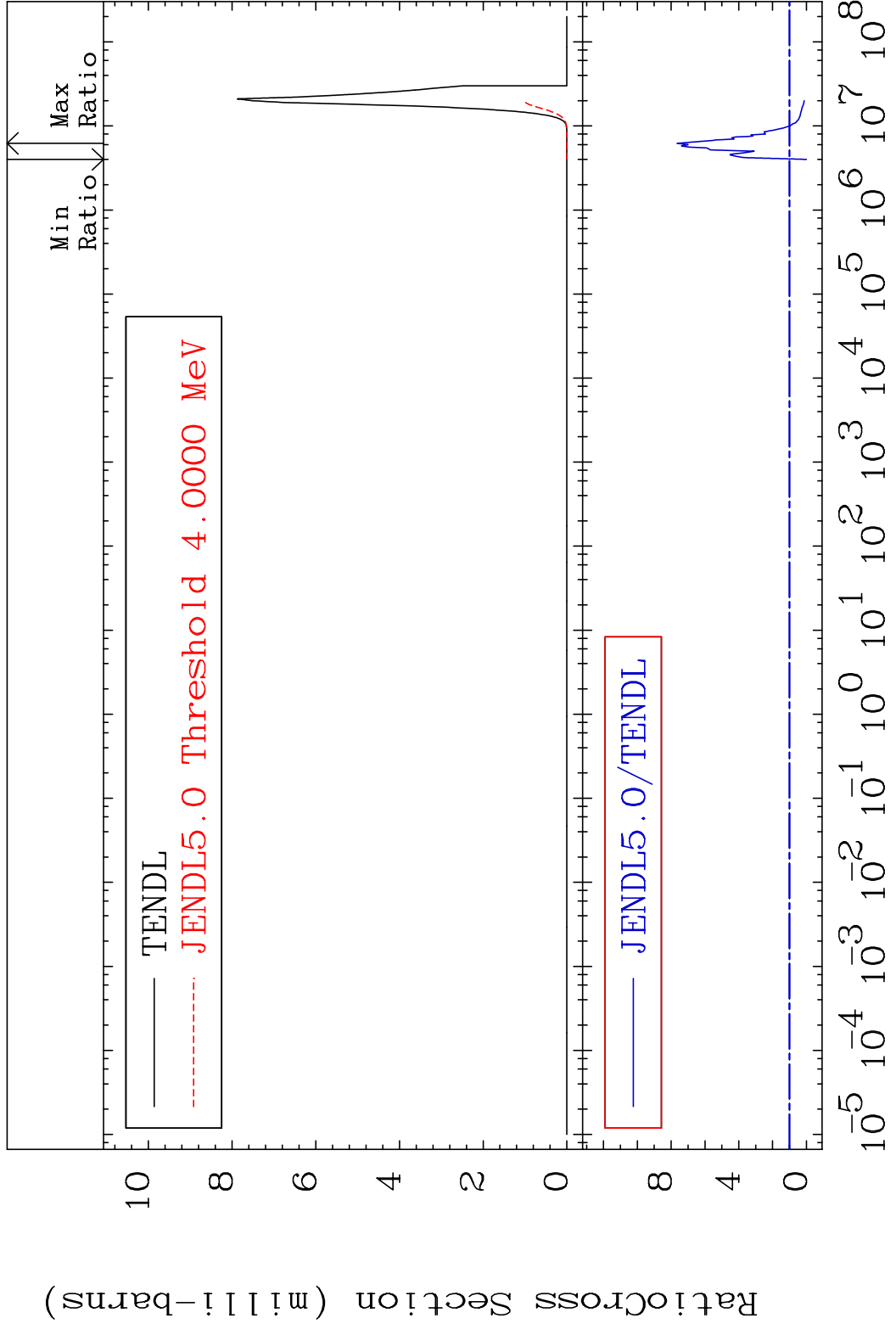




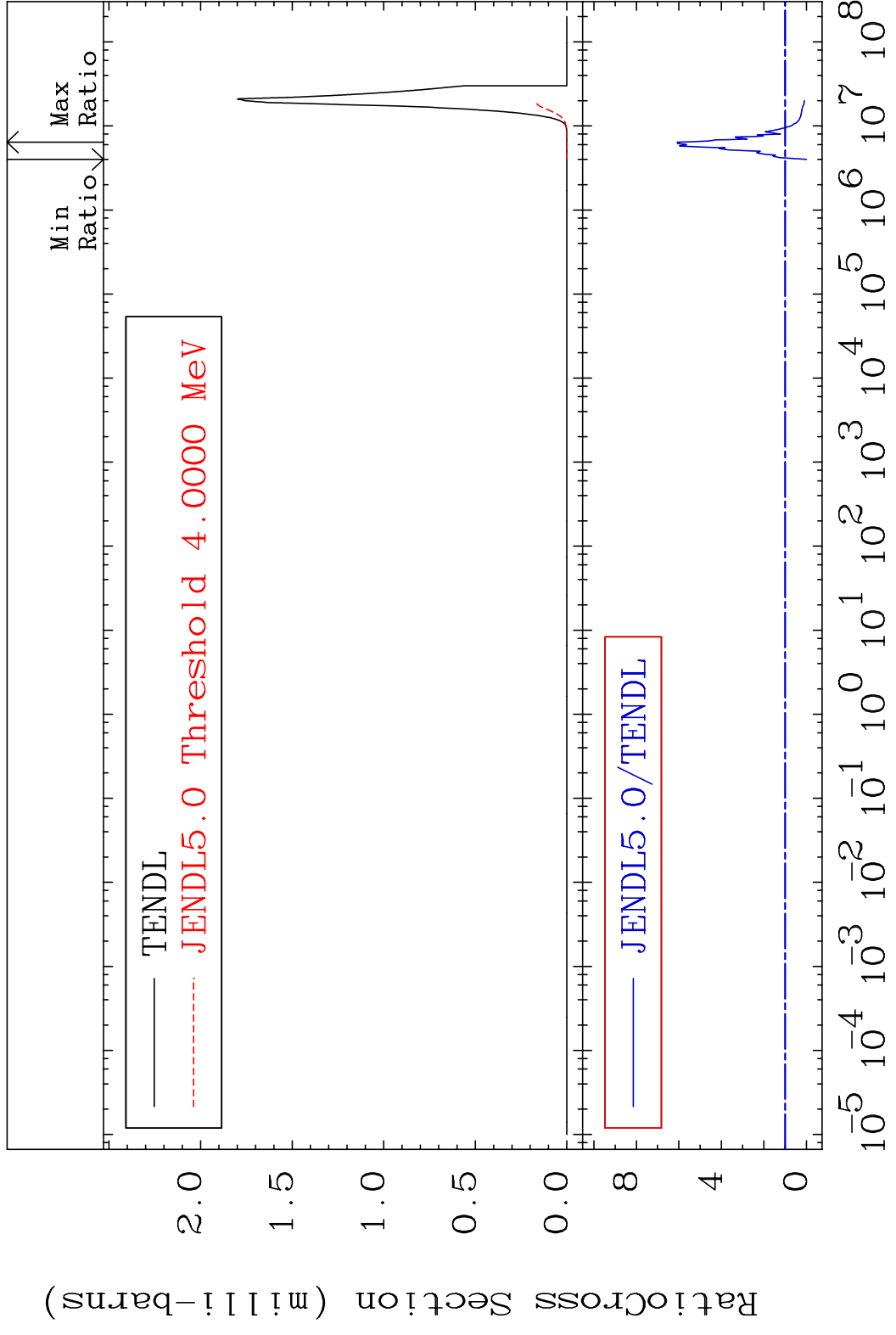
MAT 5134 (n, He-3) : 49-In-122m1 51-Sb-124
 Radionuclide Production Cross Section Ratio 881.3 %



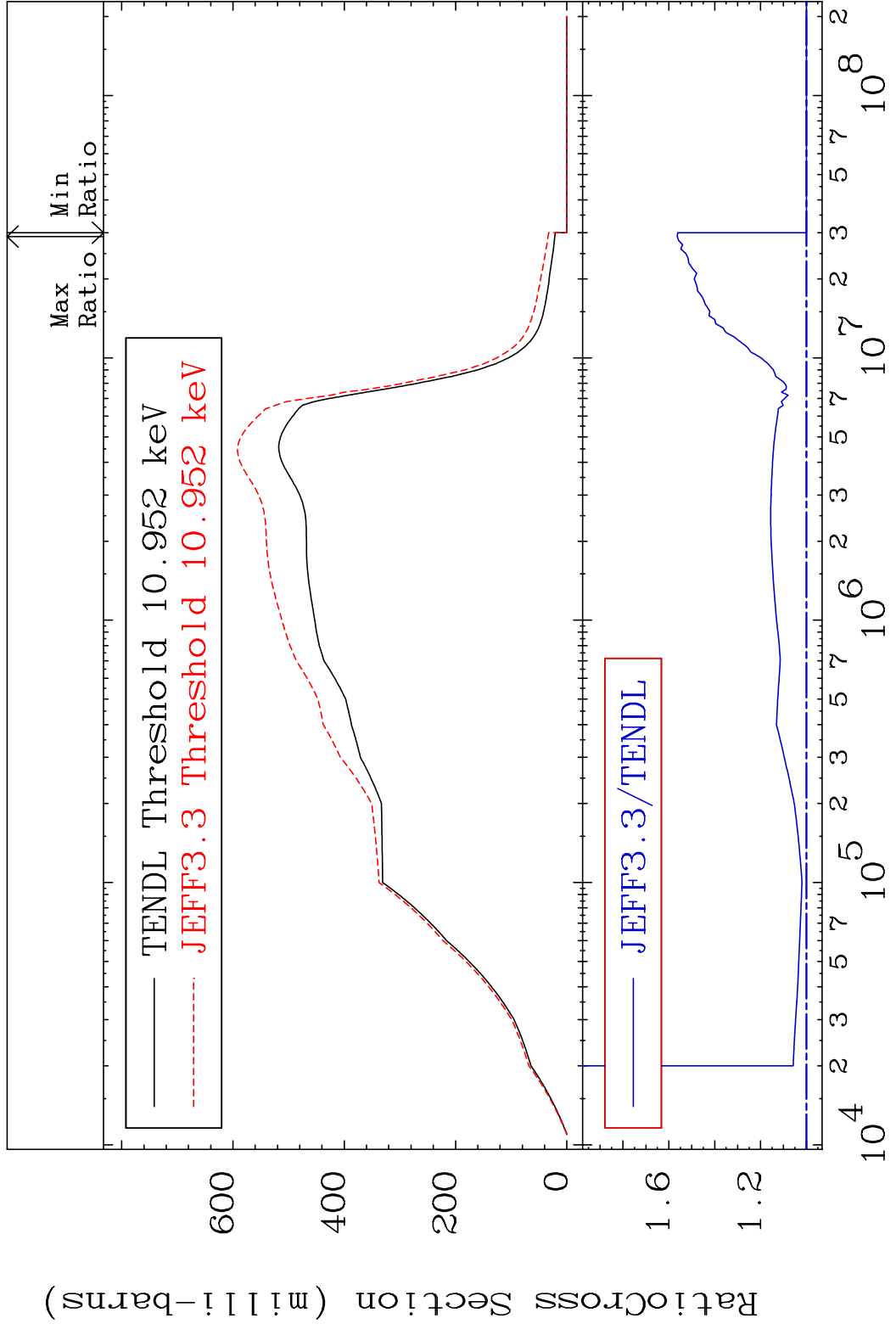
MAT 5134 (n,α):49-In-121g 51-Sb-124
 Radionuclide Production Cross Section 664.3 %

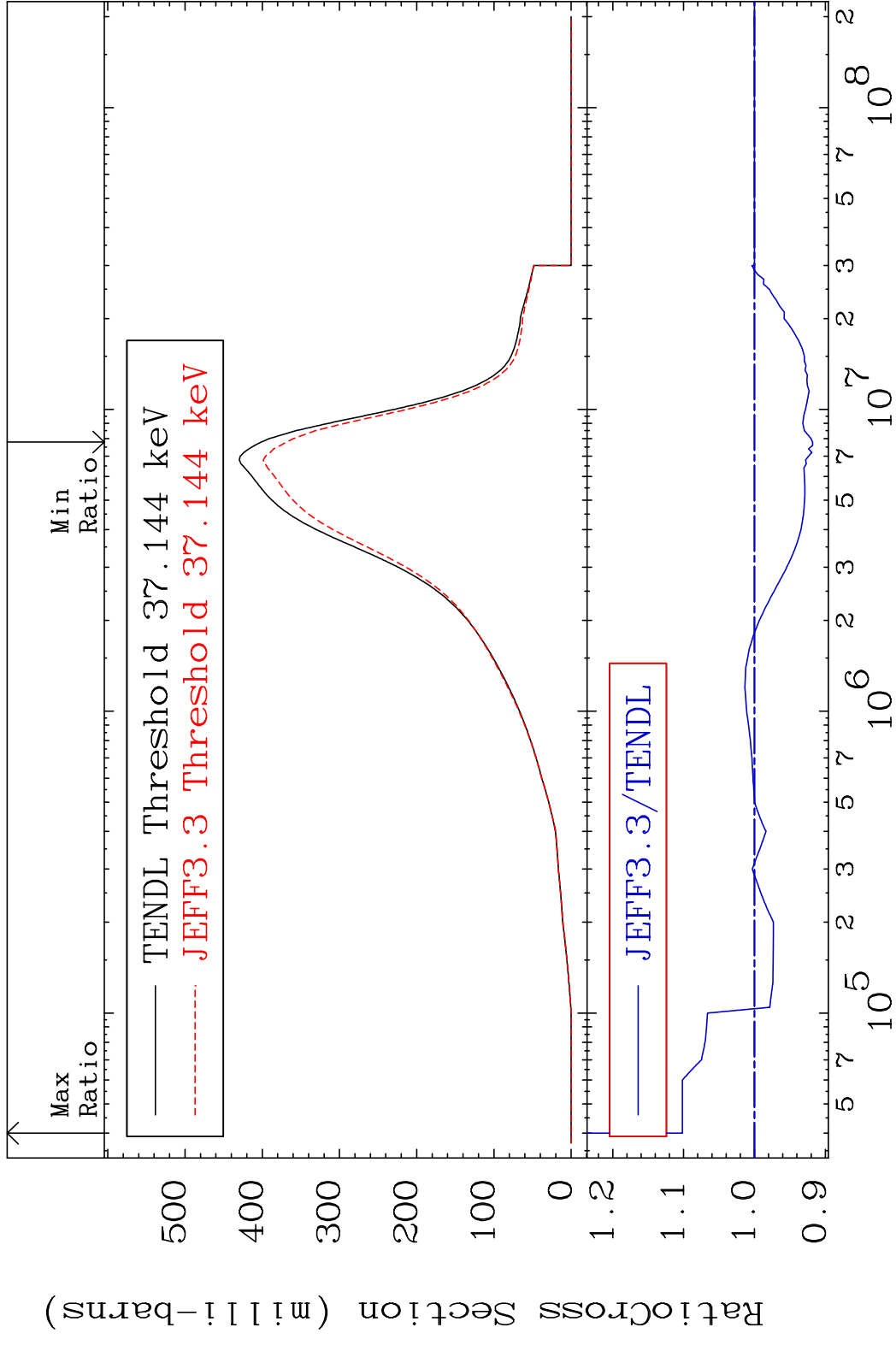


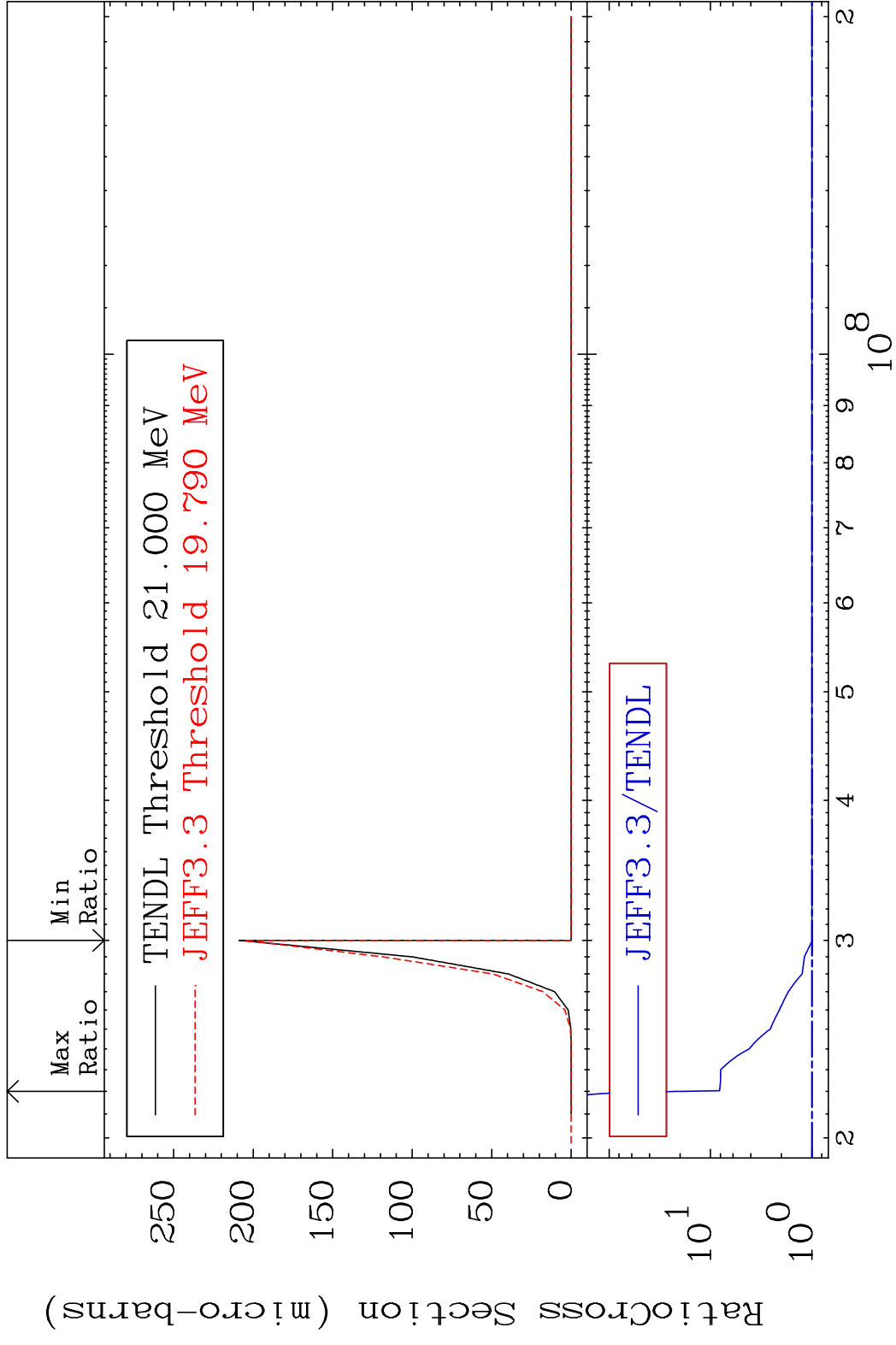
MAT 5134 (n, α): 49-In-121m1 51-Sb-124
 Radionuclide Production Cross Section Ratio 508.0 %

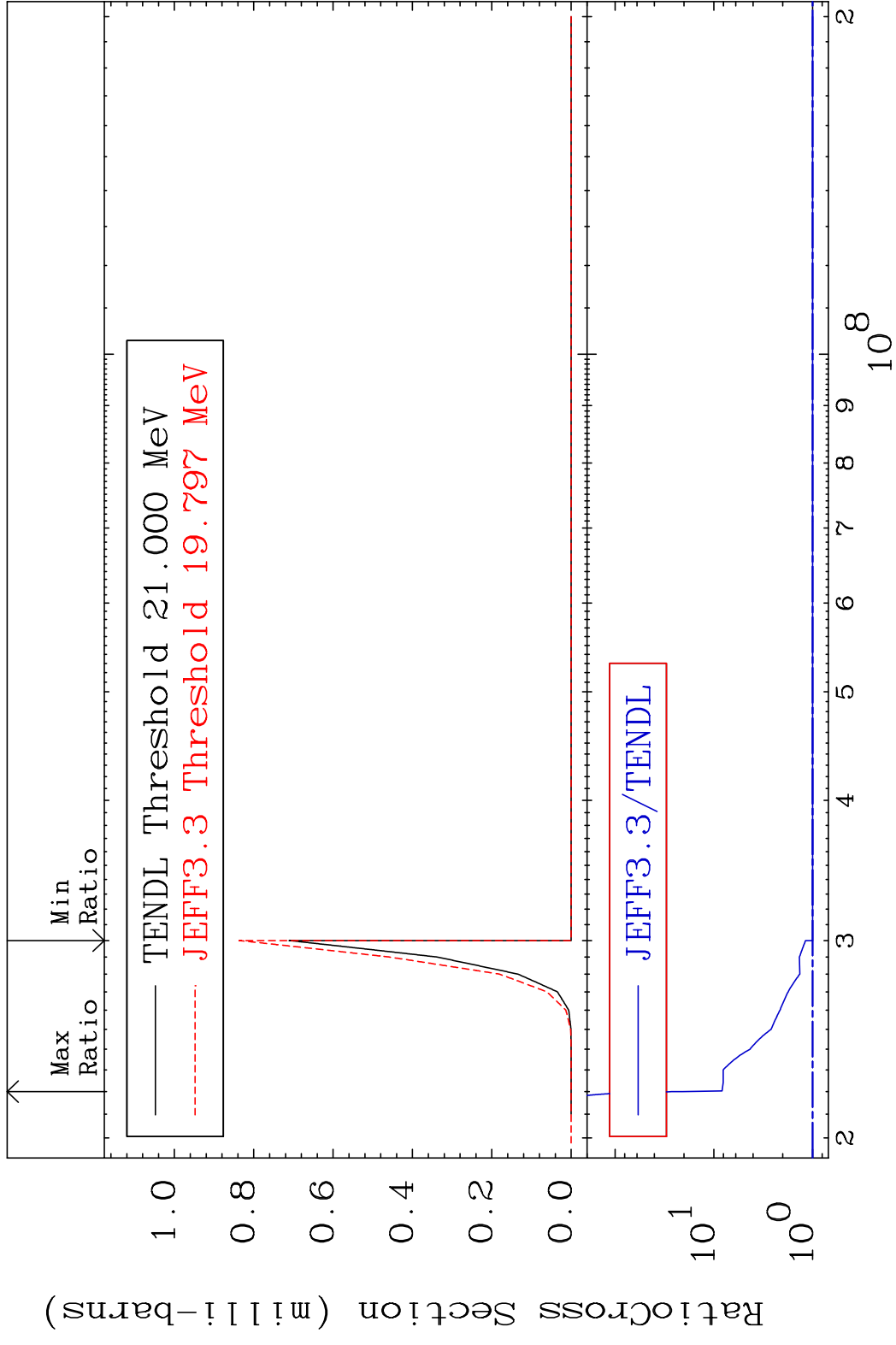


MAT 5134 Inelastic:51-Sb-124m1 51-Sb-124
Radionuclide Production Cross Section 56.36 %

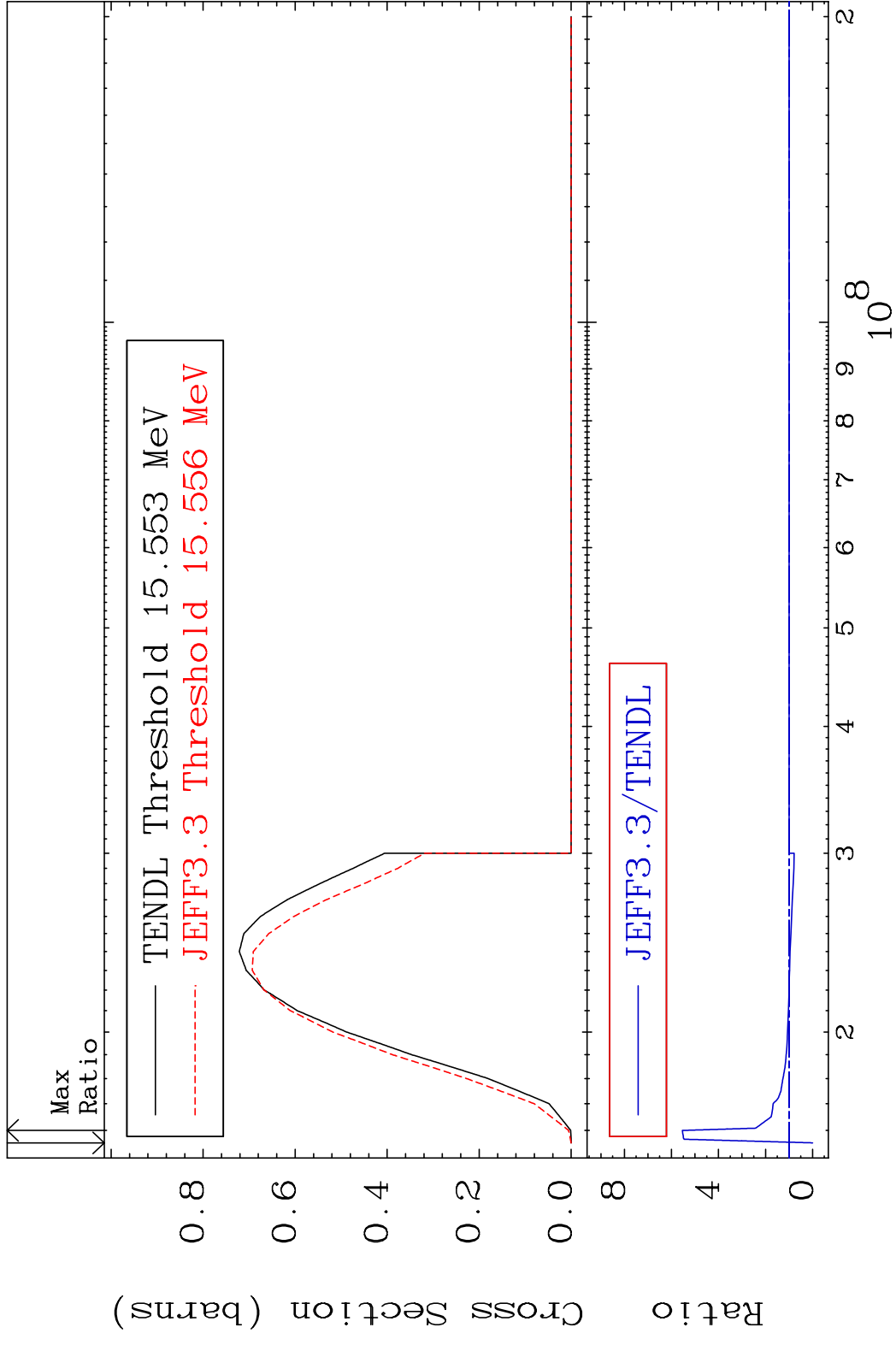




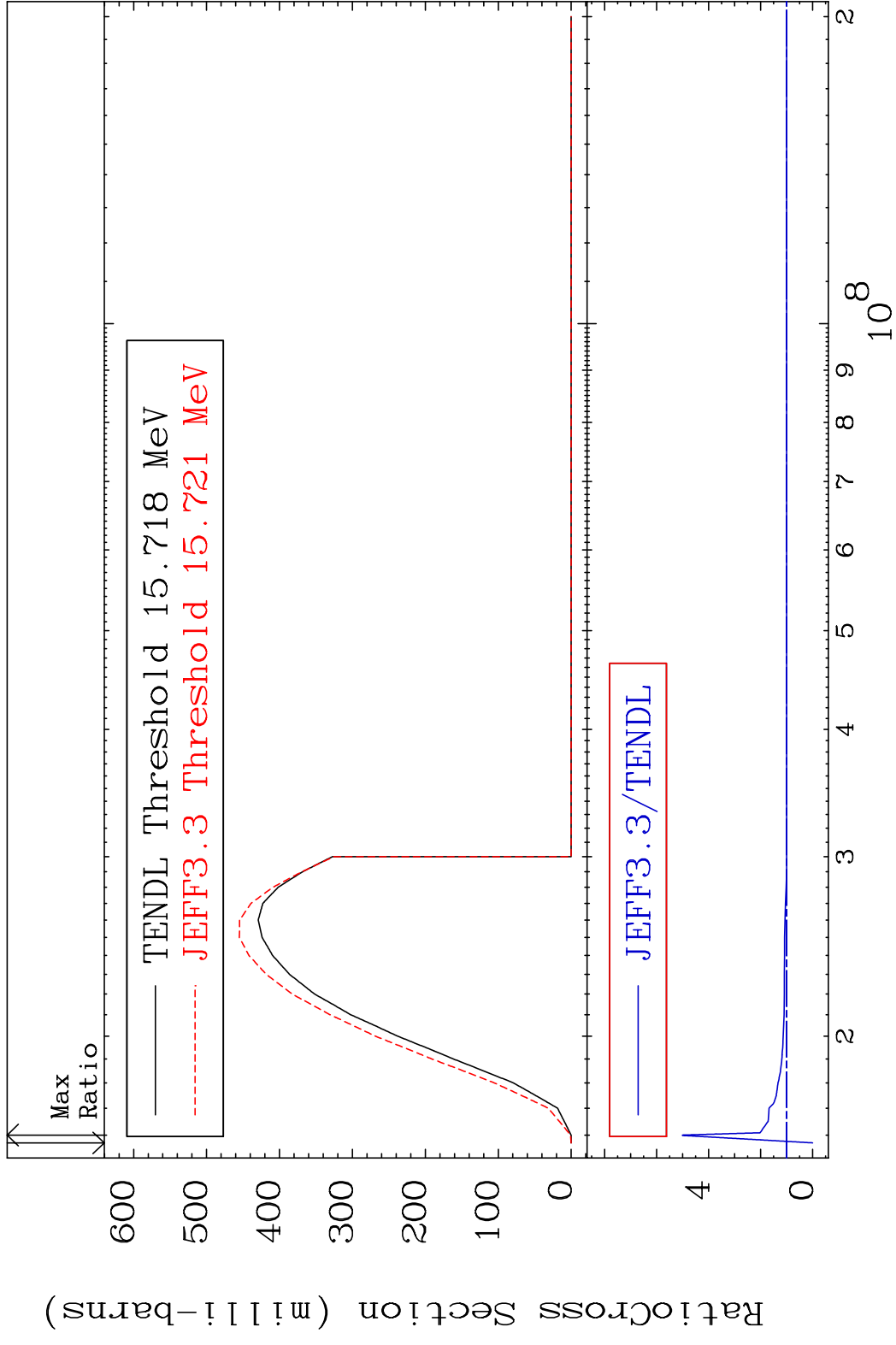




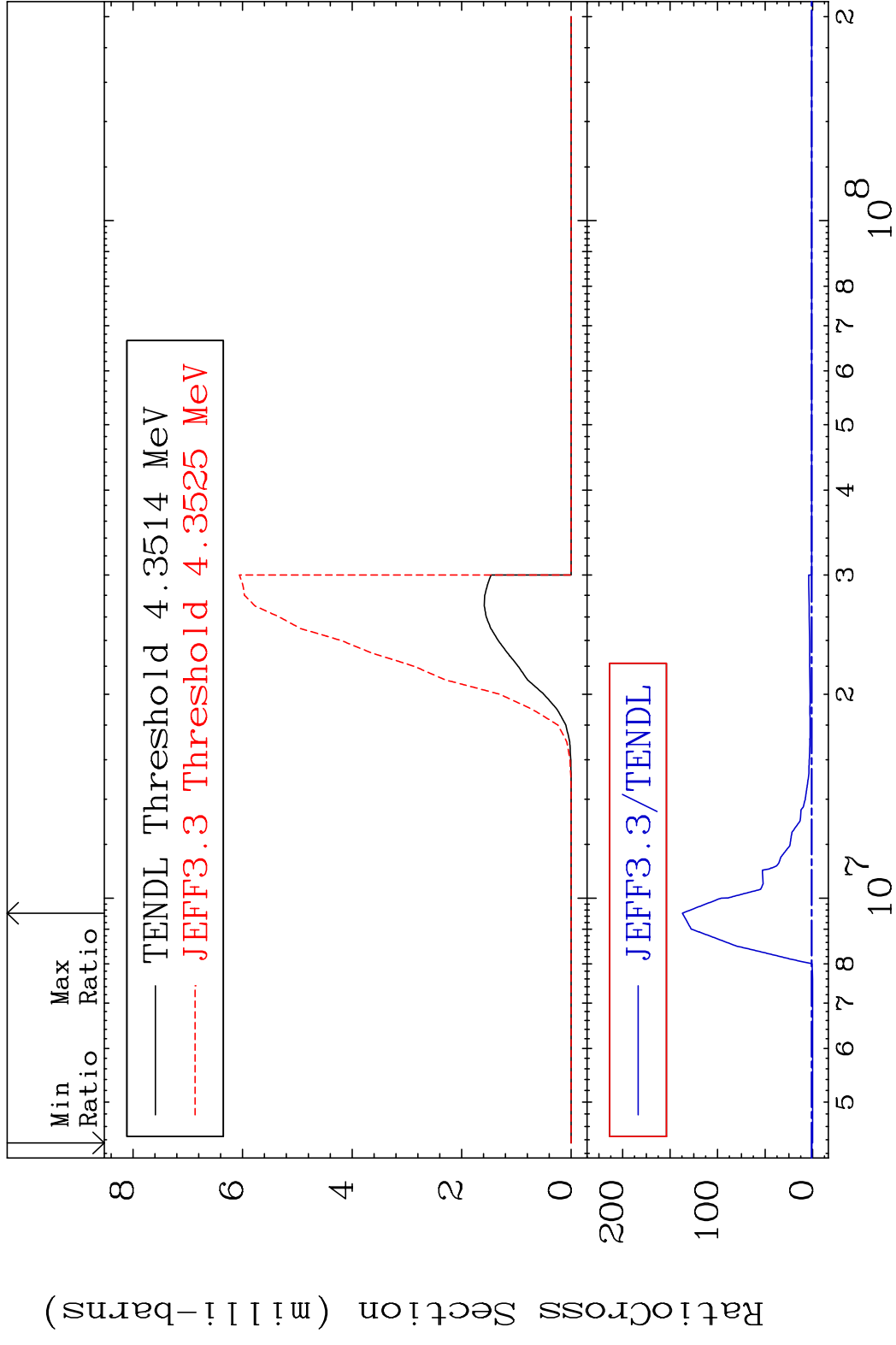
MAT 5134 (n,3n):51-Sb-122g 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 453.6 %

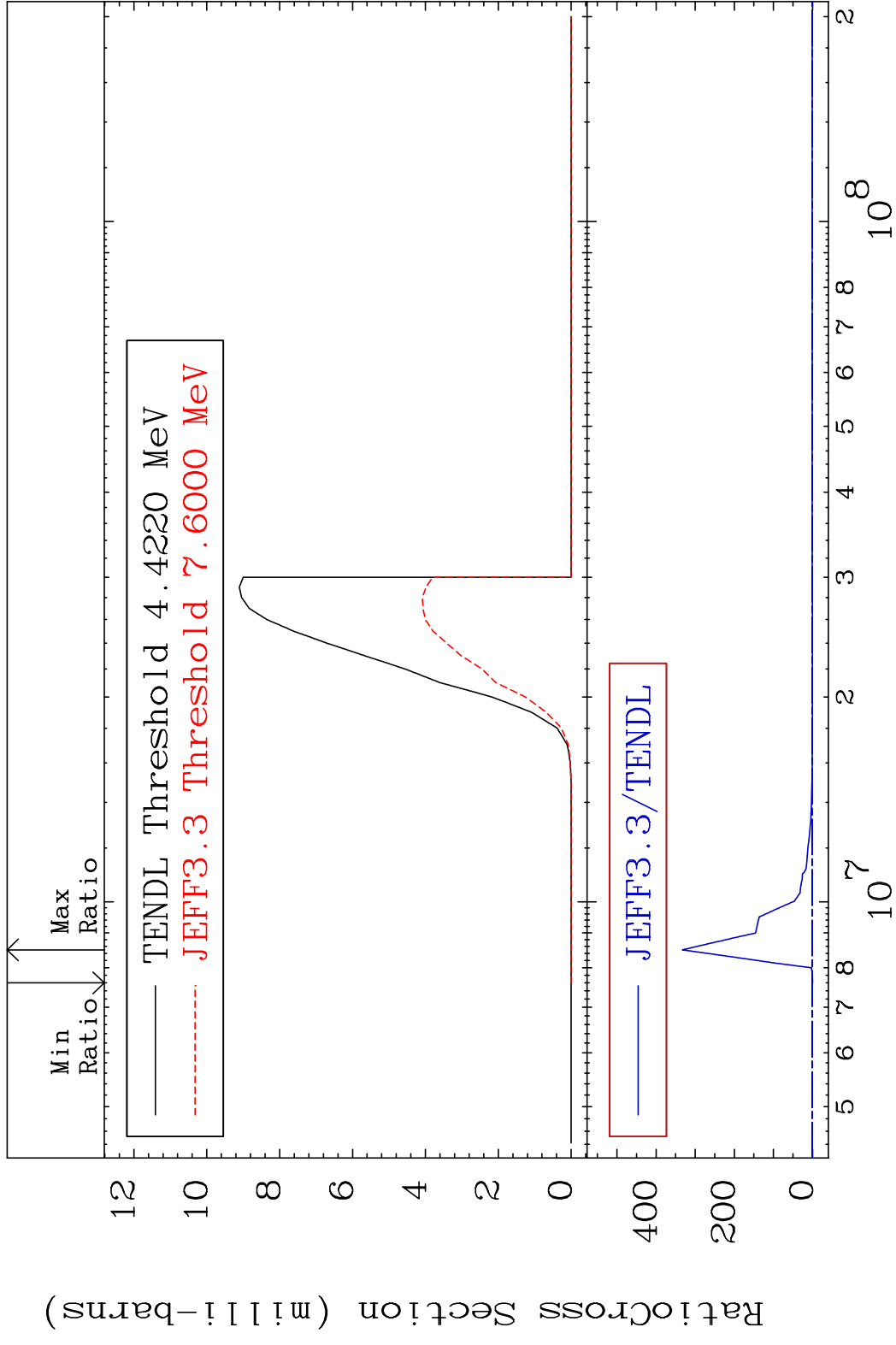


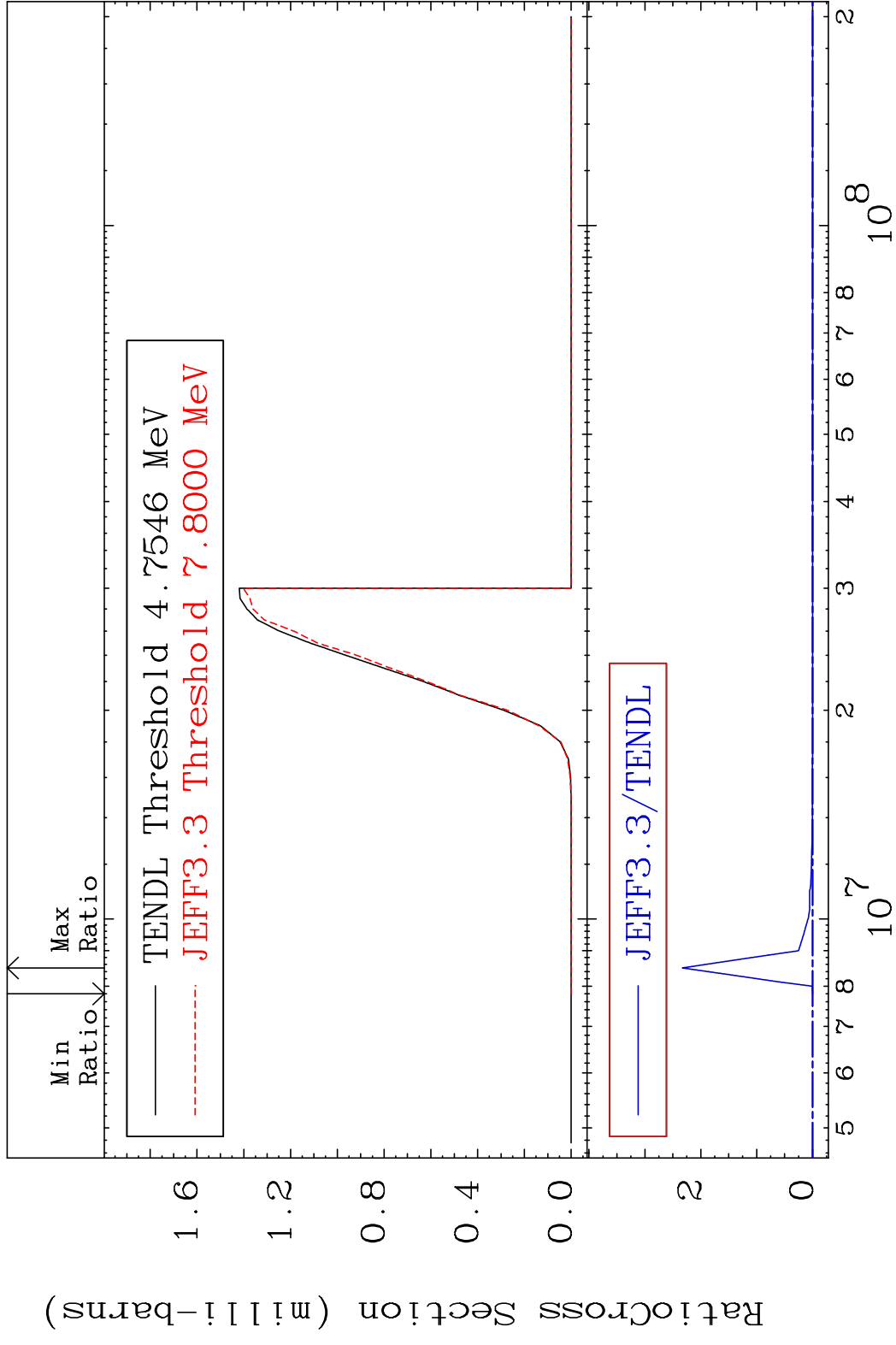
MAT 5134 (n, 3n):51-Sb-122m5 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 400.7 %

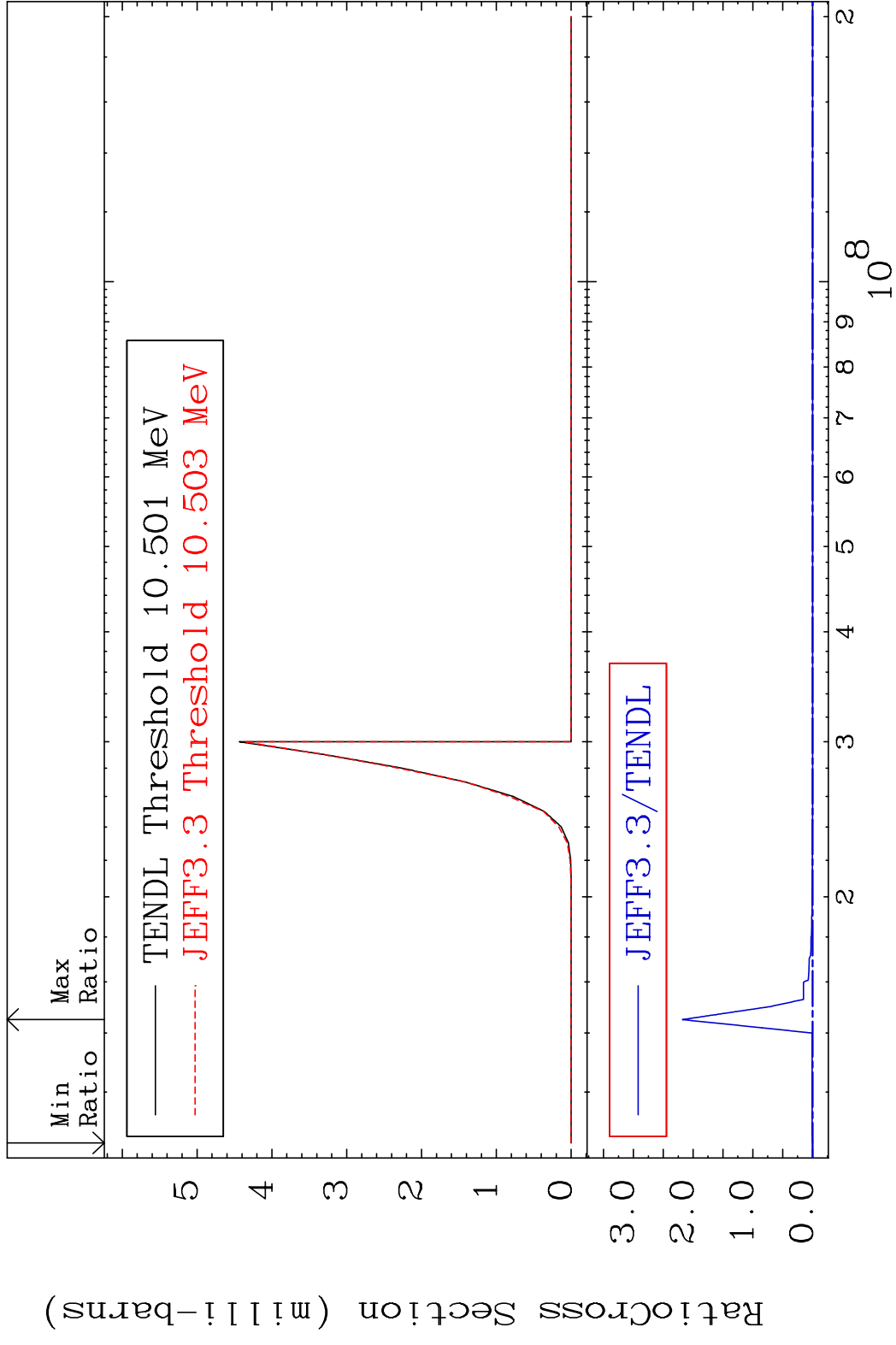


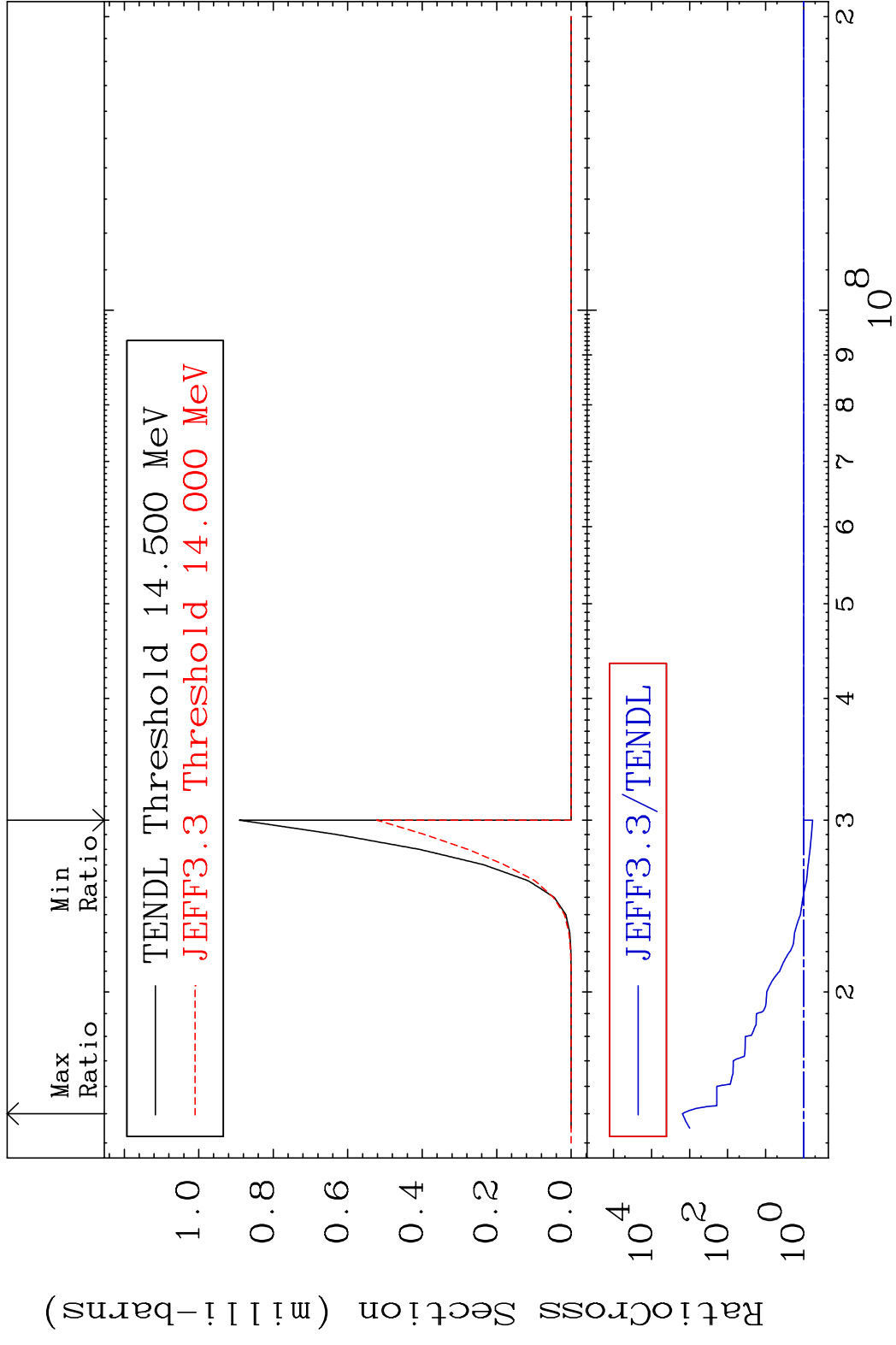
MAT 5134 (n, n') α :49-In-120g 51-Sb-124
 Radionuclide Production Cross Section to 9999. %

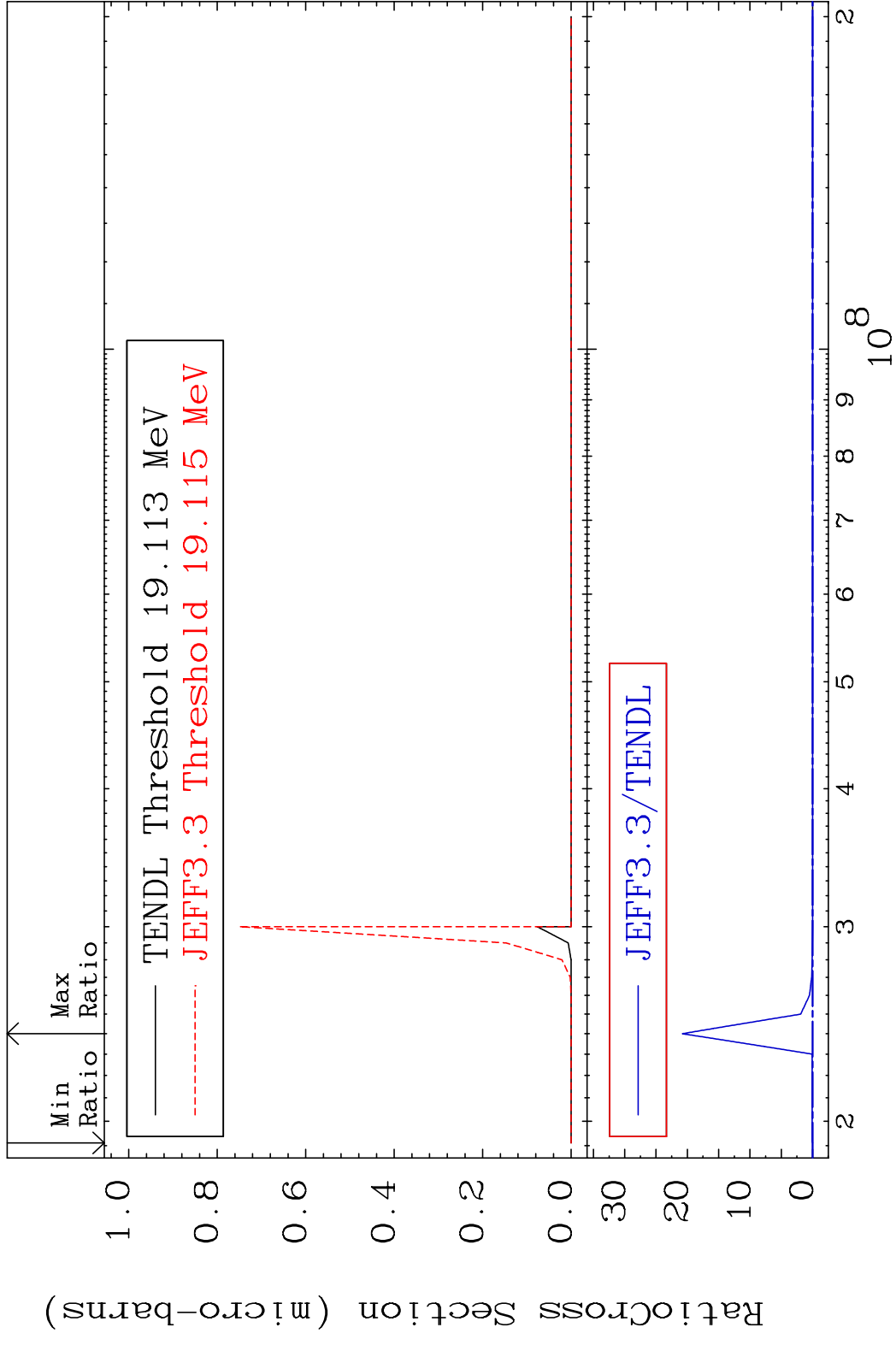




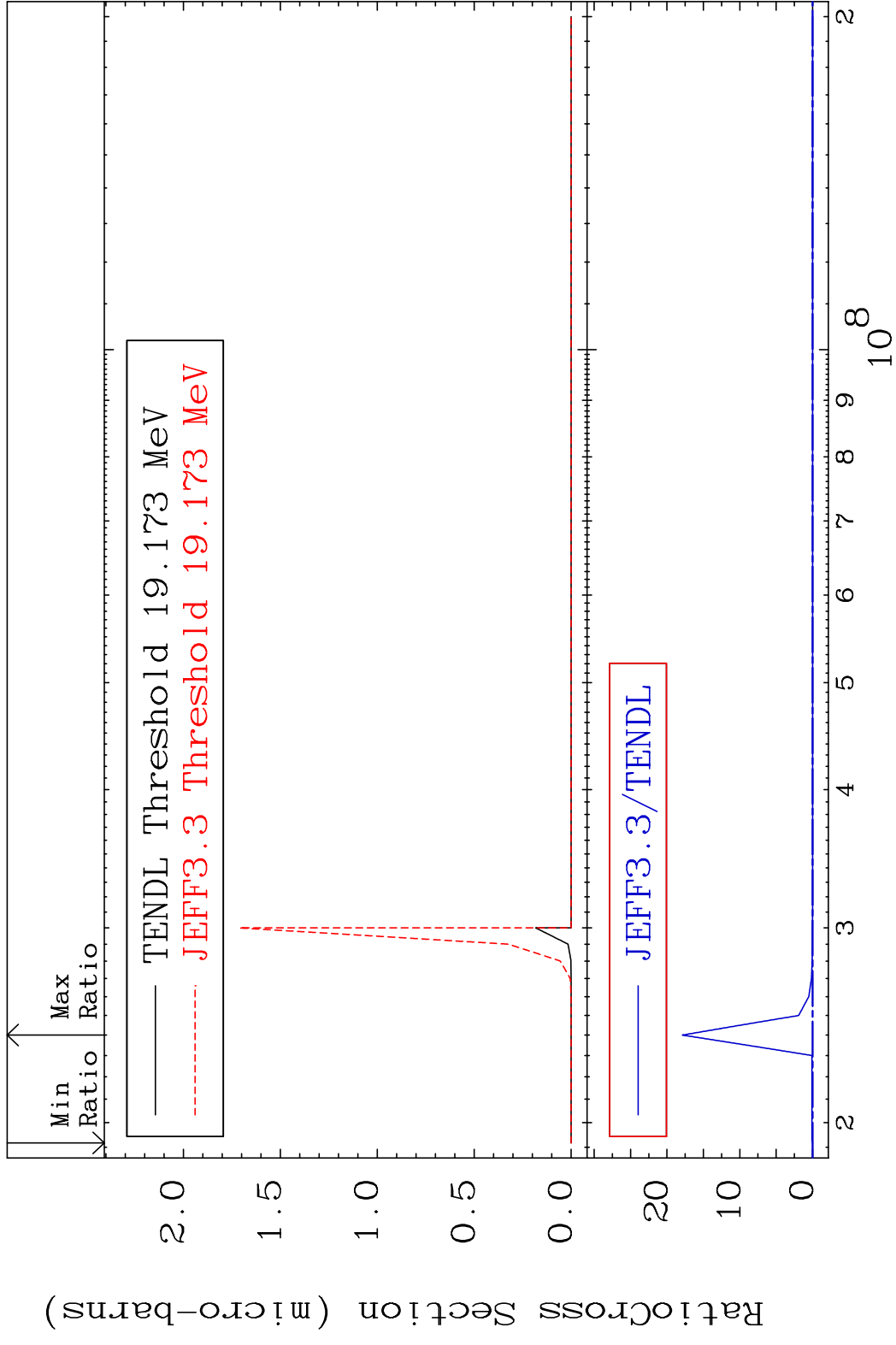


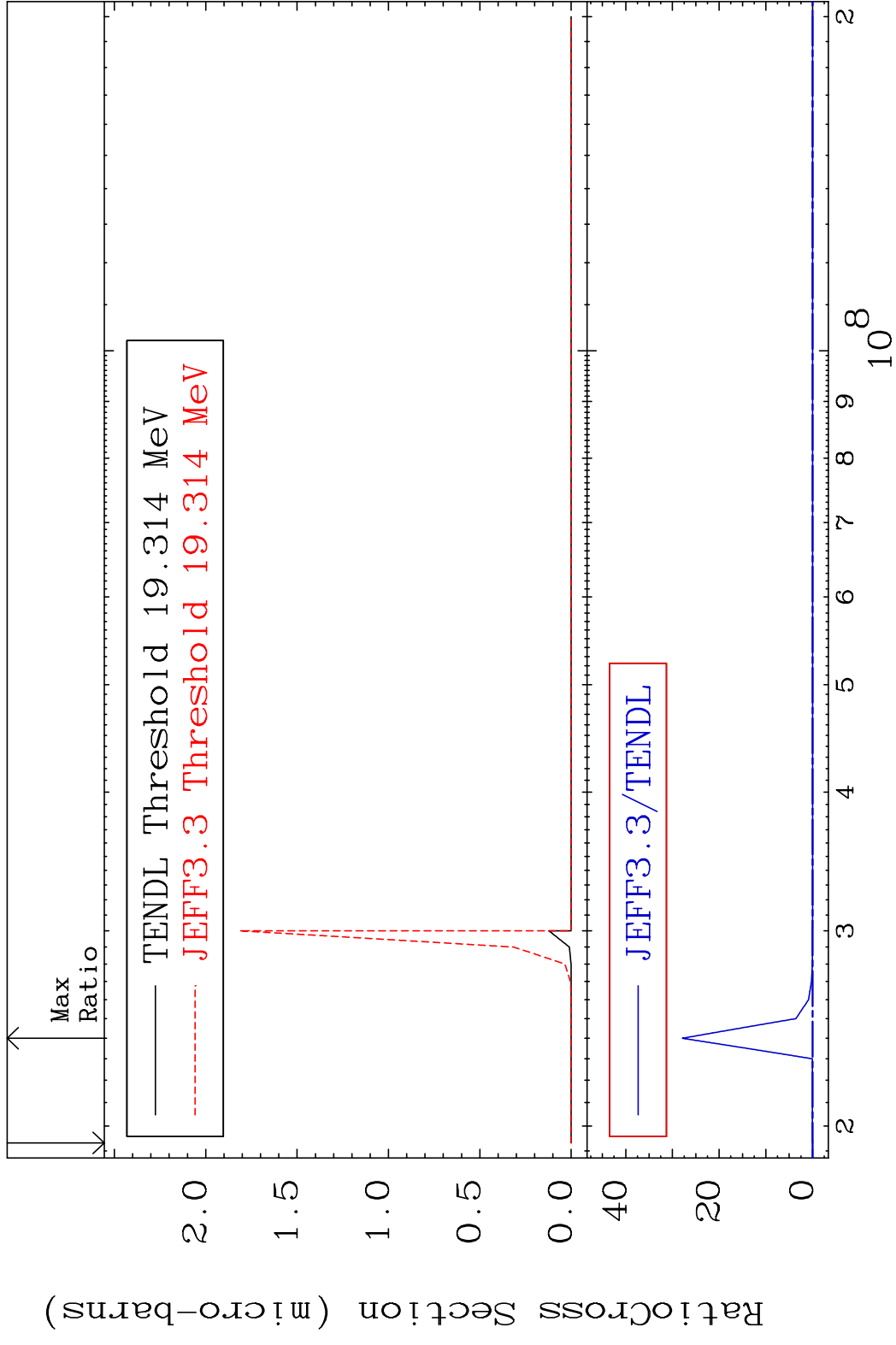




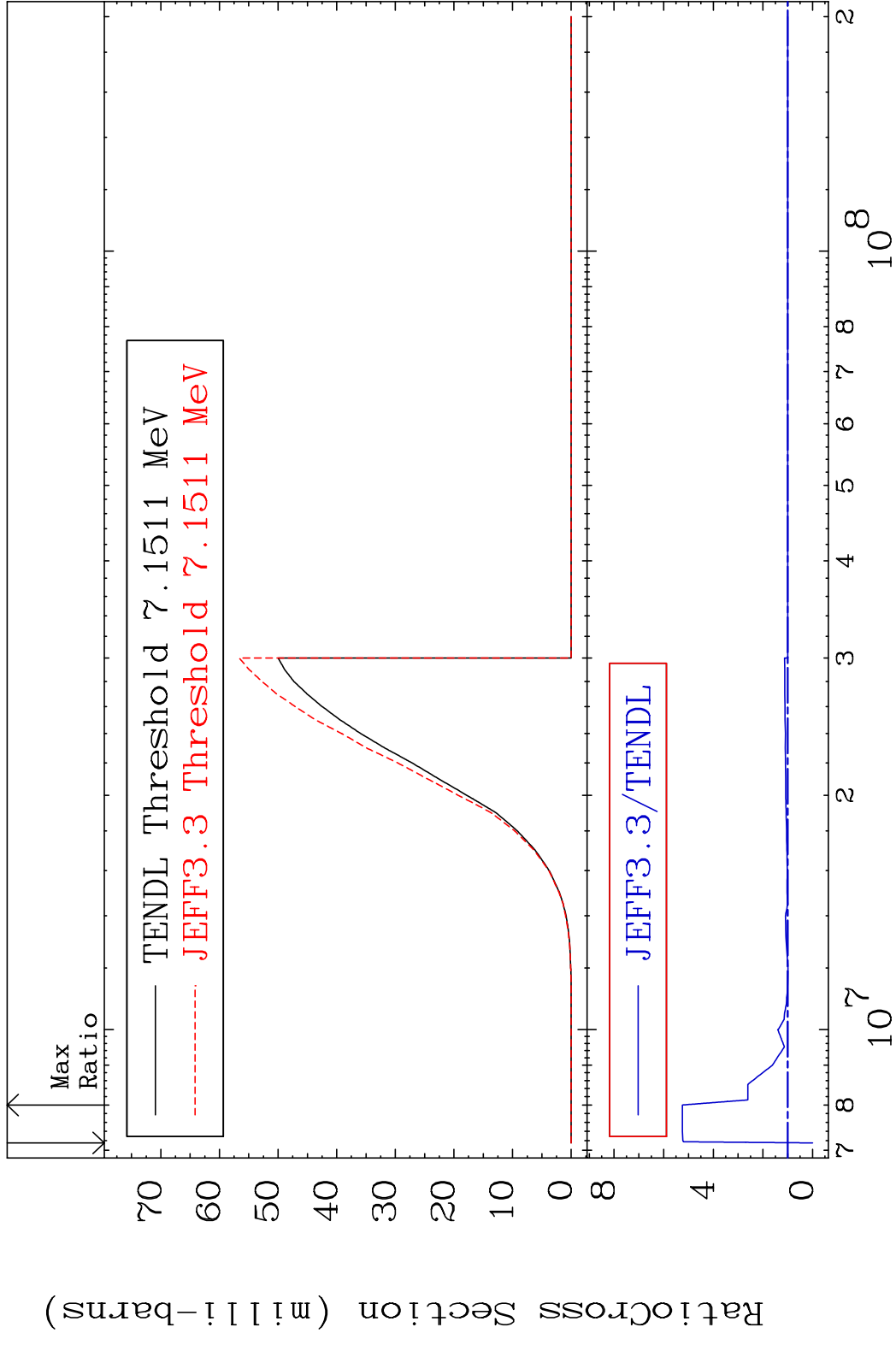


MAT 5134 (n,3n) α :49-In-118m1 51-Sb-124
 Radionuclide Production Cross Section to 9999. %

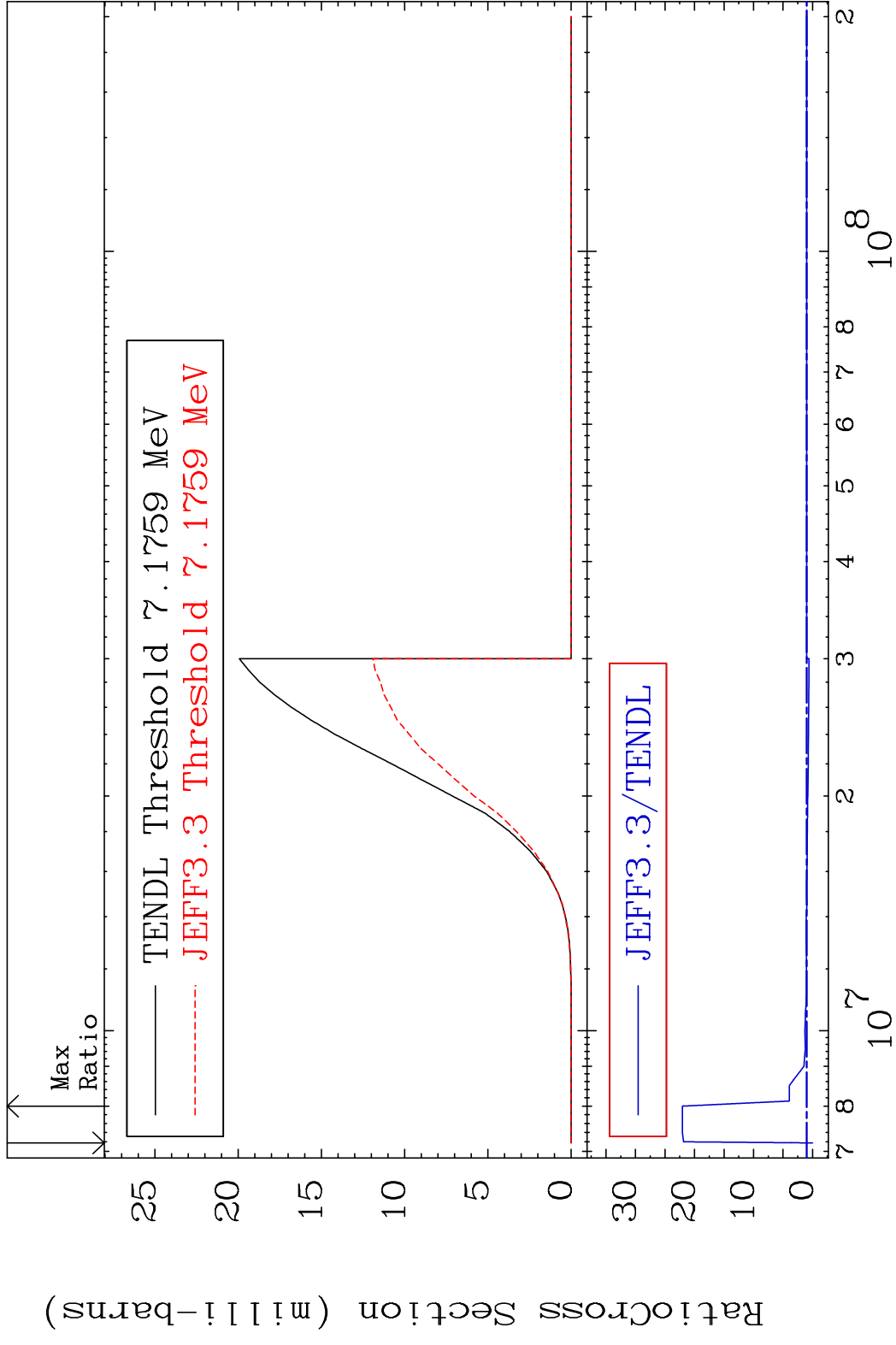




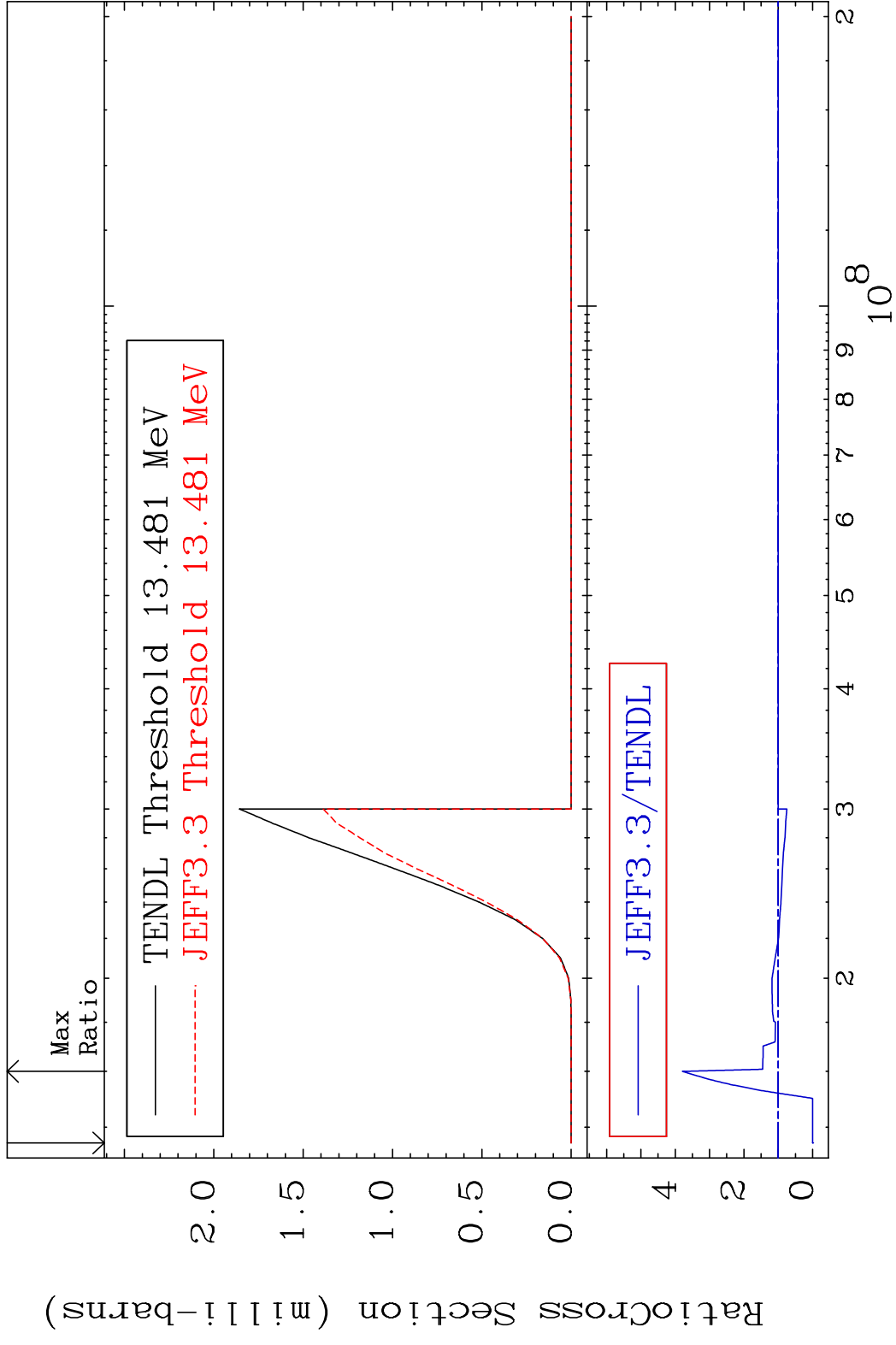
MAT 5134 (n, n') p:50-Sn-123g 51-Sb-124
 Radionuclide Production Cross Section Ratio 424.8 %

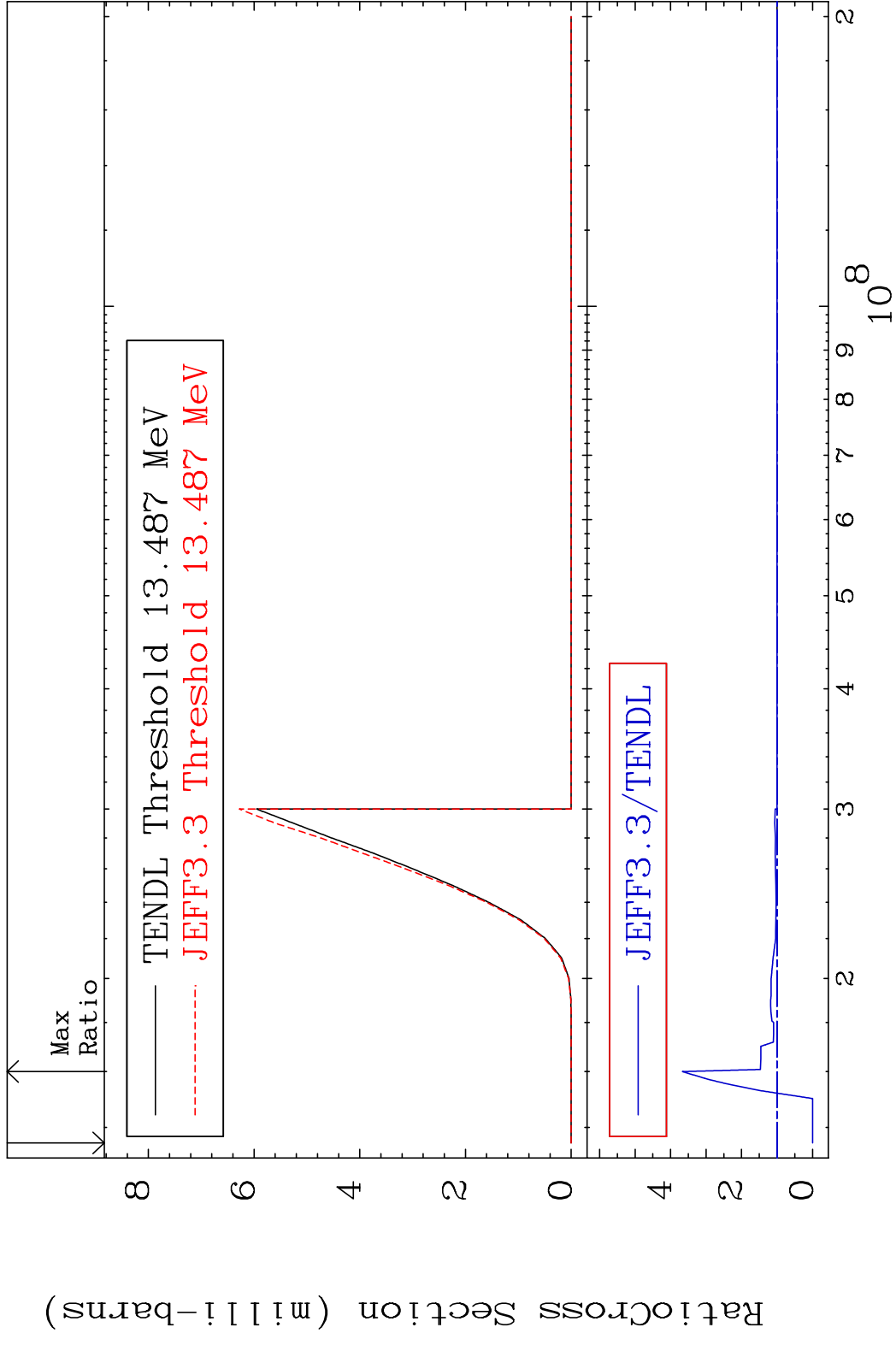


MAT 5134 (n, n') p:50-Sn-123m1 51-Sb-124
 Radionuclide Production Cross Section Ratio 2106. %

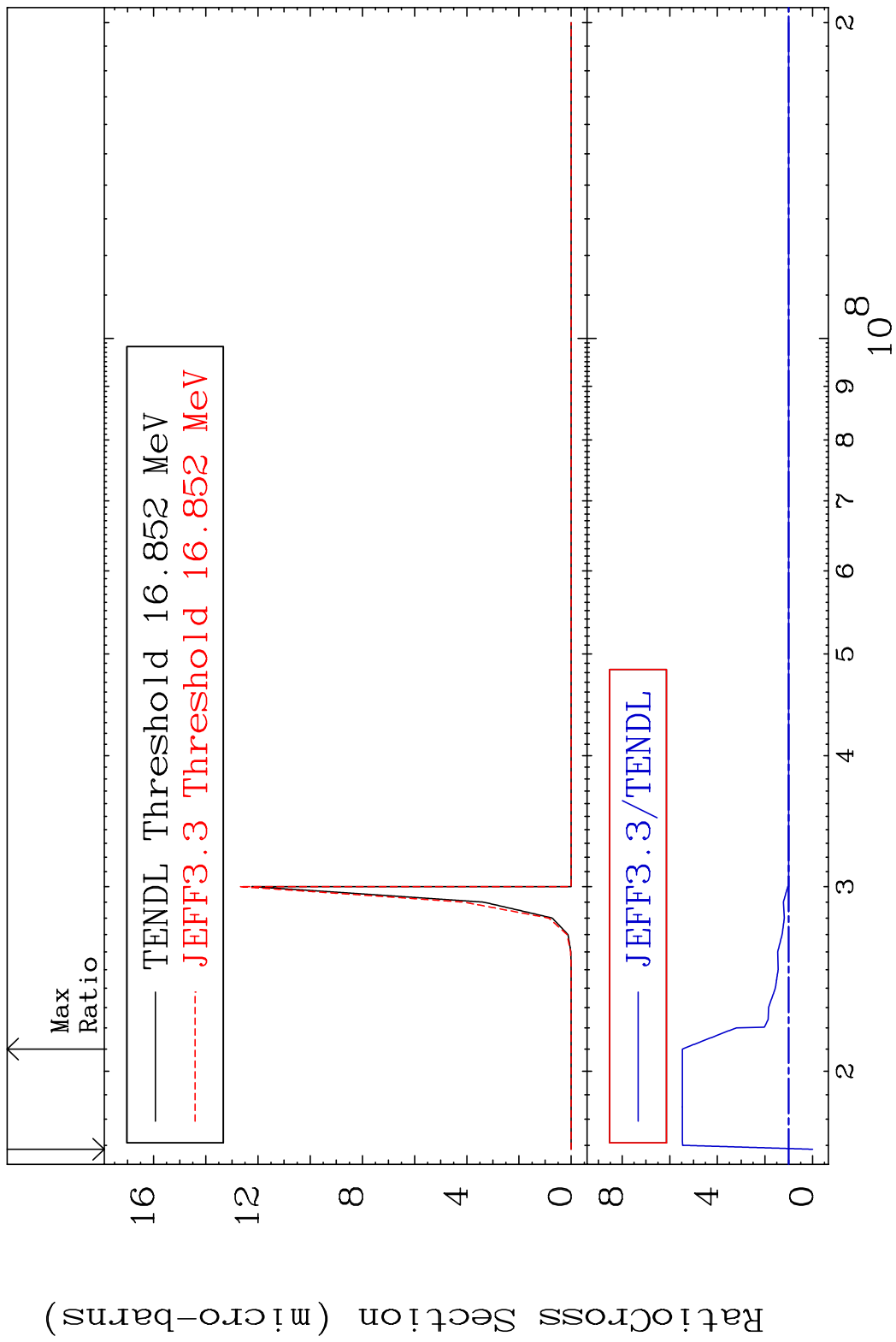


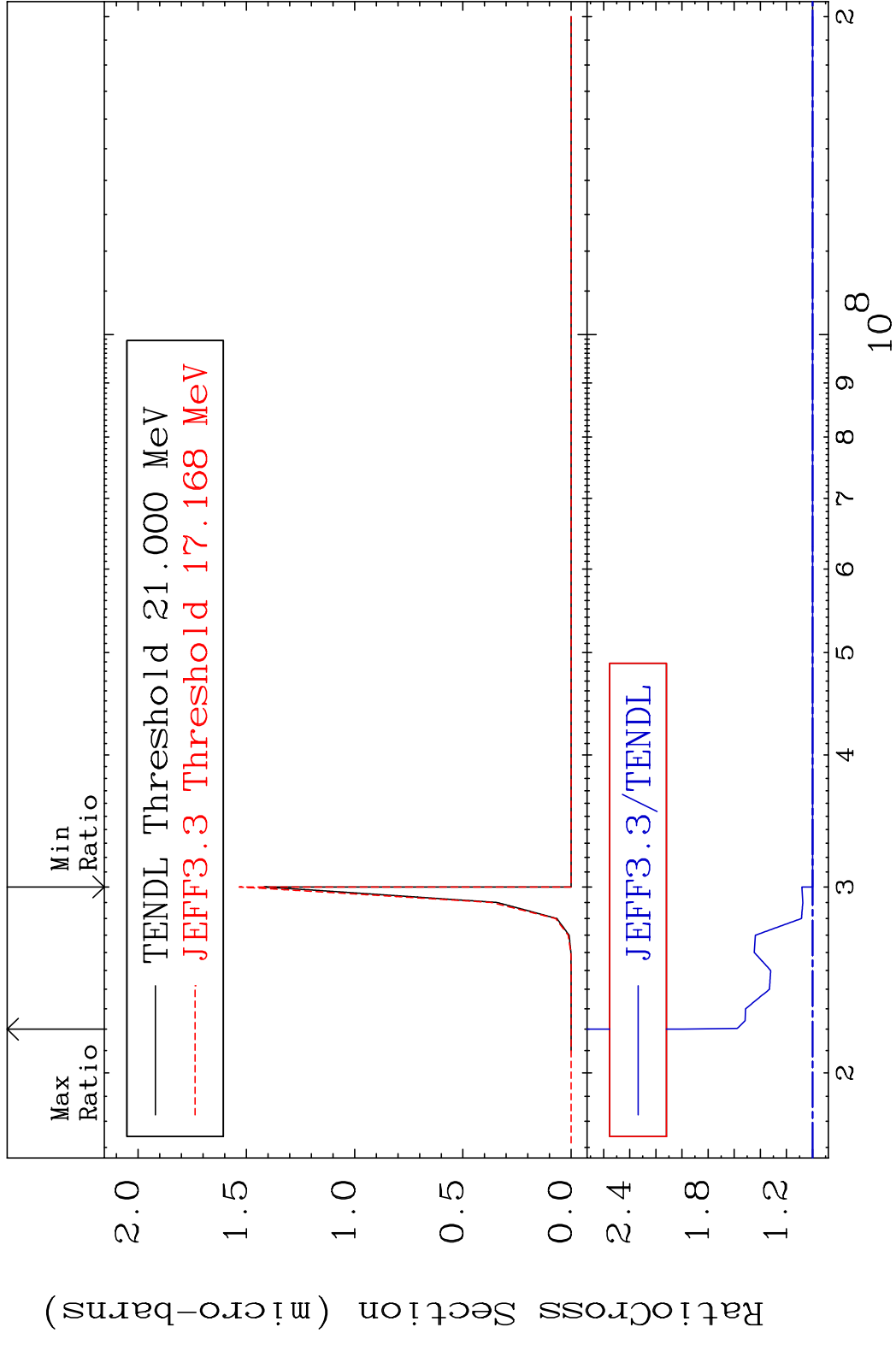
MAT 5134 (n, n') t:50-Sn-121g 51-Sb-124
 Radionuclide Production Cross Section 180.0 dth 279.3 %



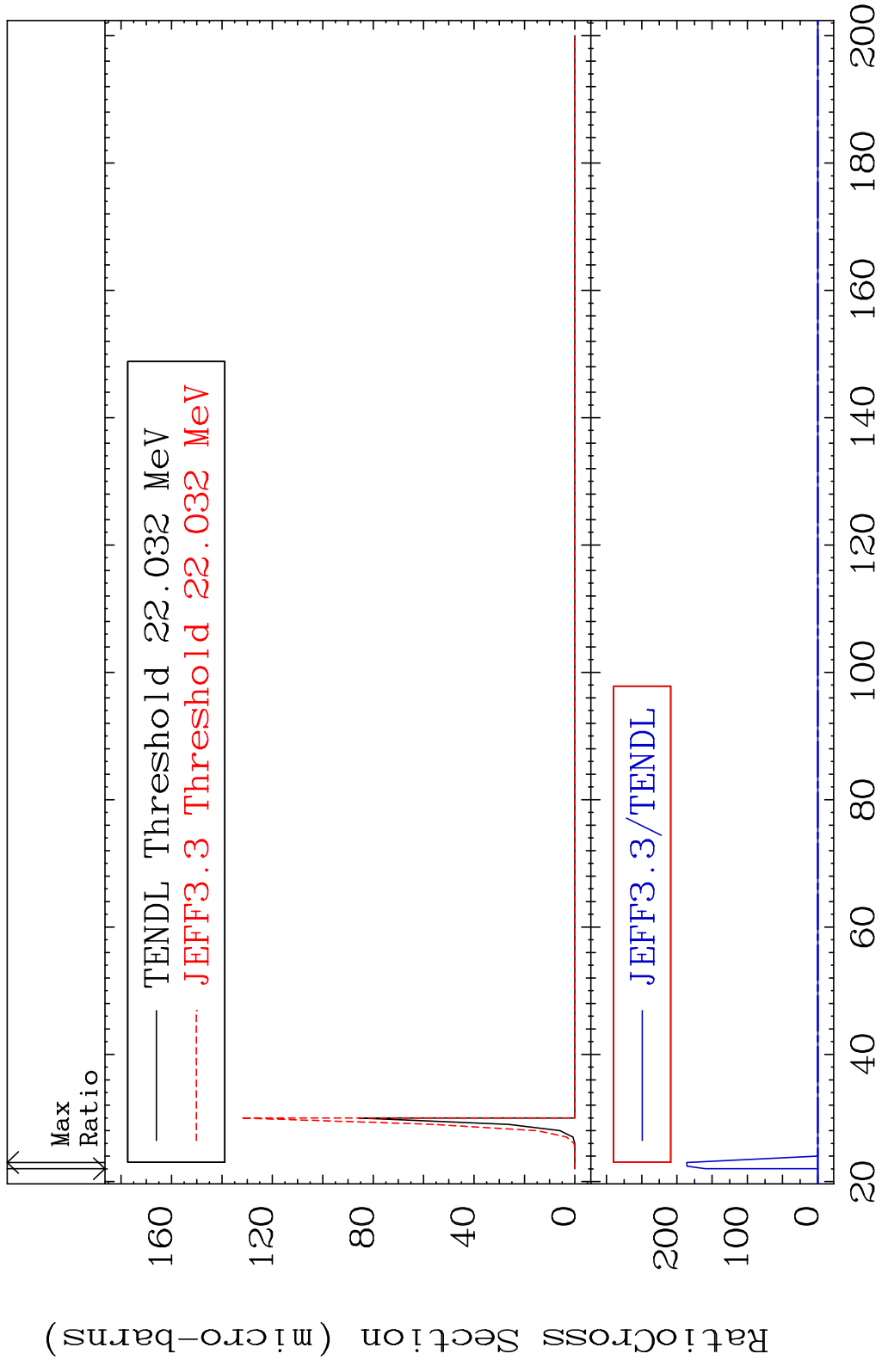


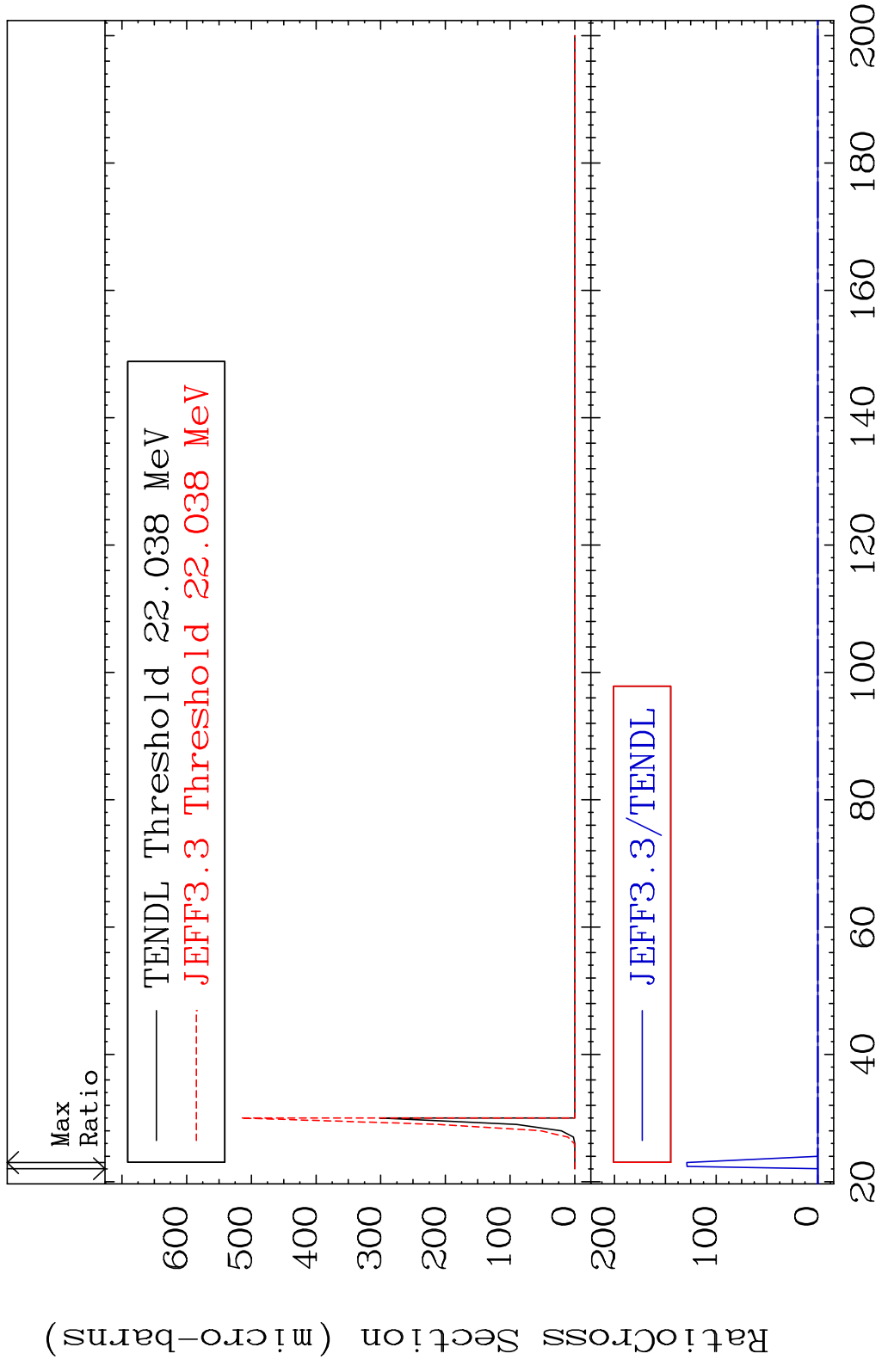
MAT 5134 (n, n') He-3:49-In-121g 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 447.2 %



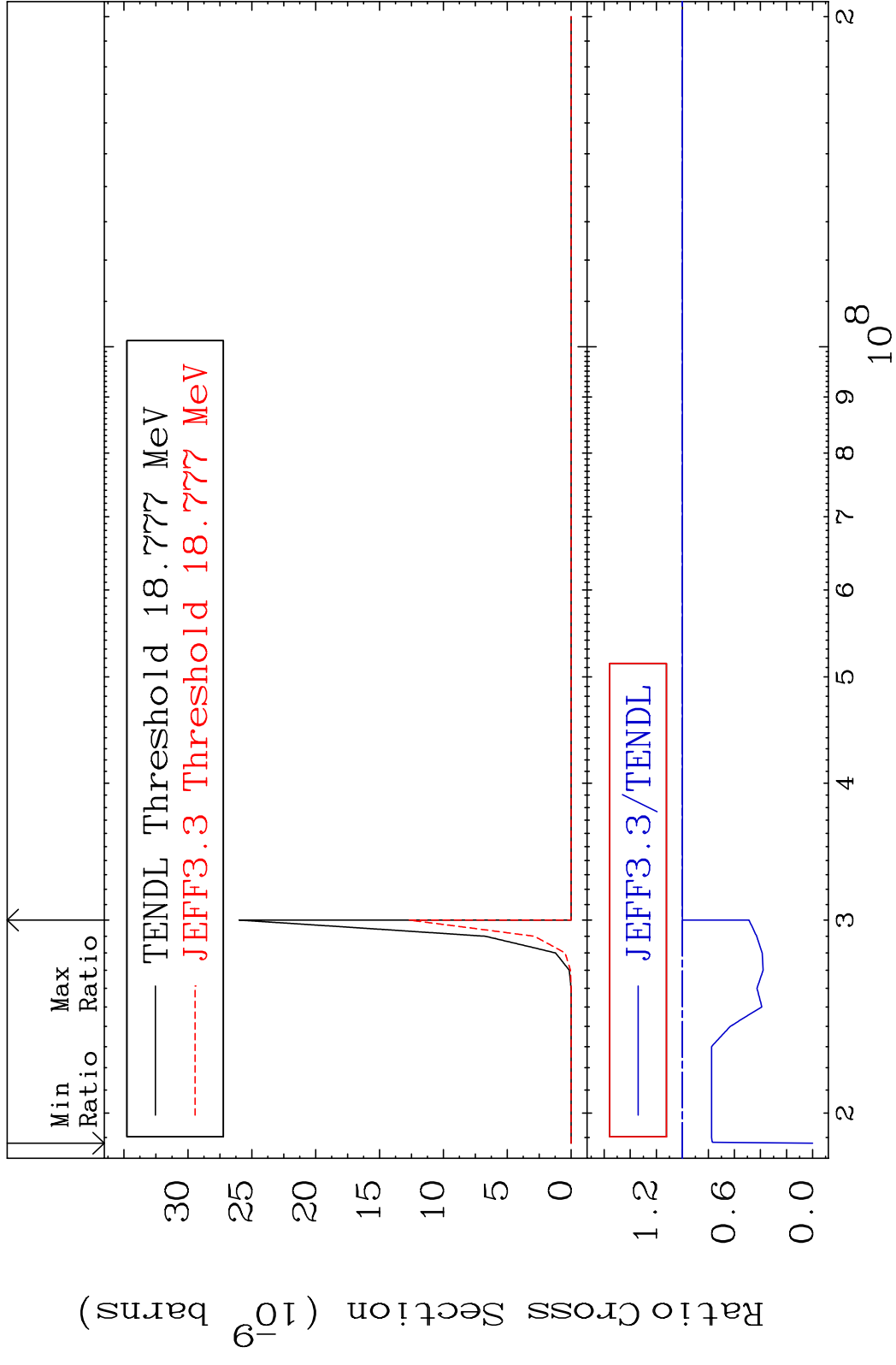


MAT 5134 (n,3n) p:50-Sn-121g 51-Sb-124
 Radionuclide Production Cross Section Ratio 9999. %

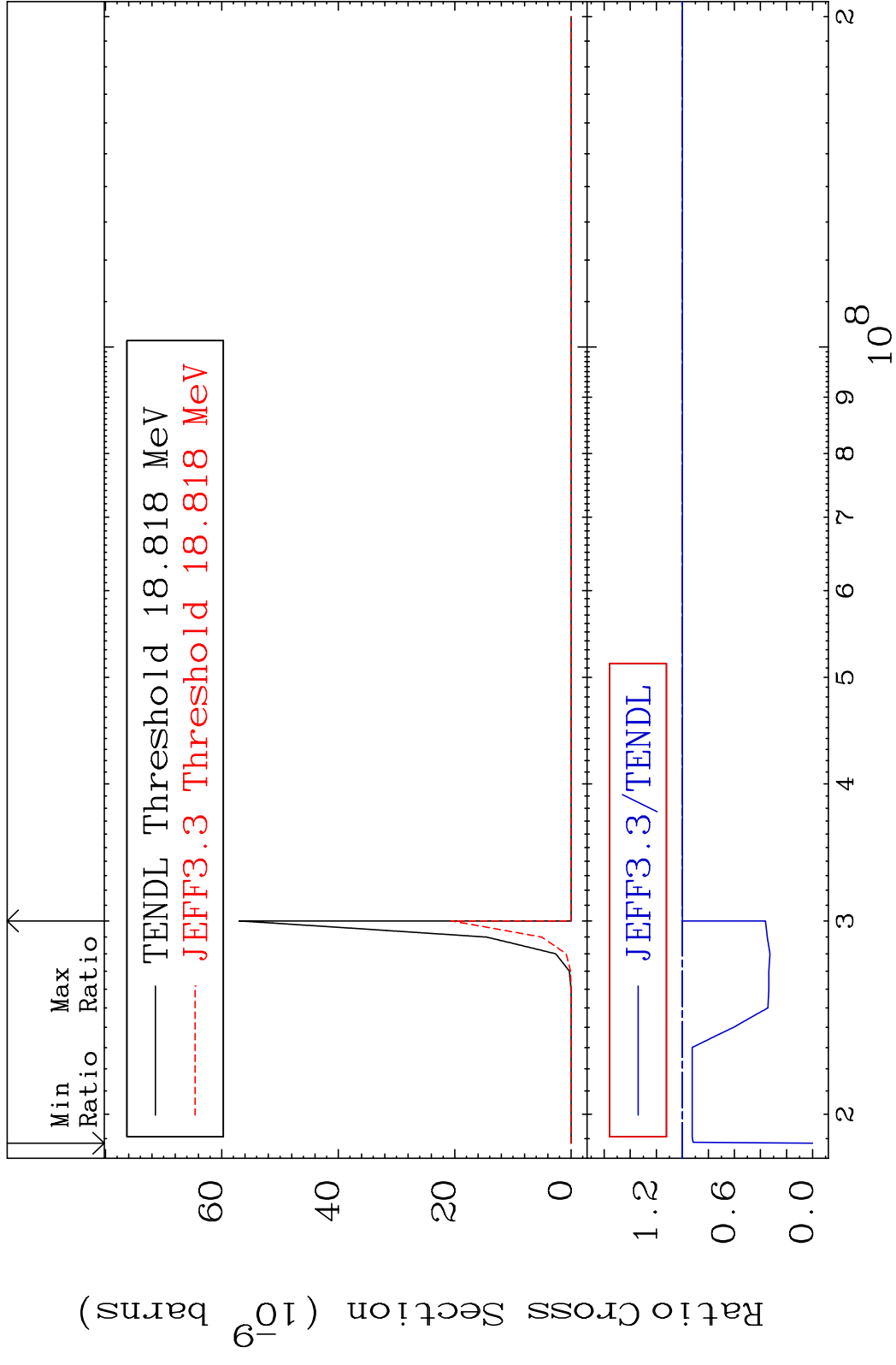


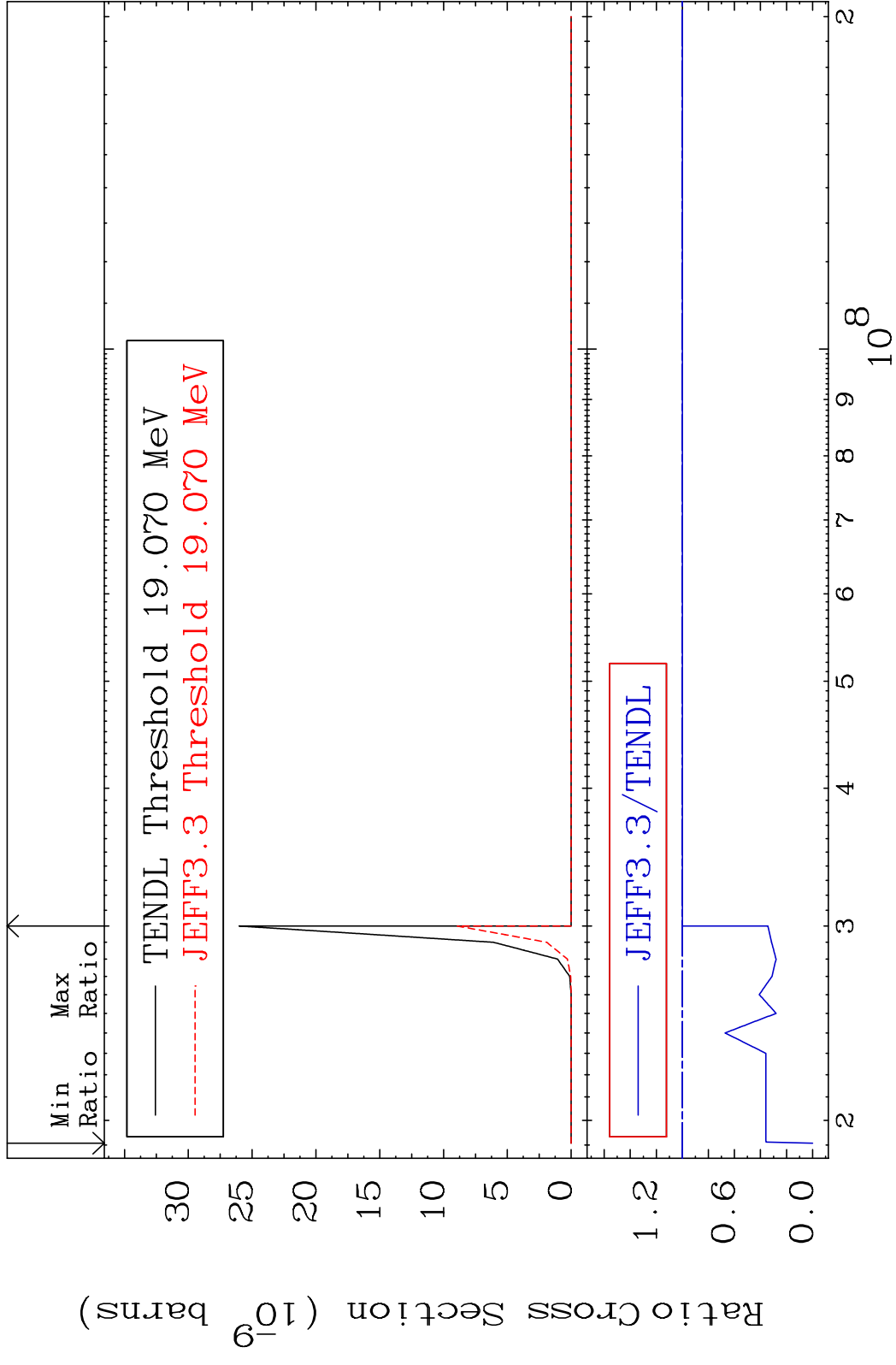


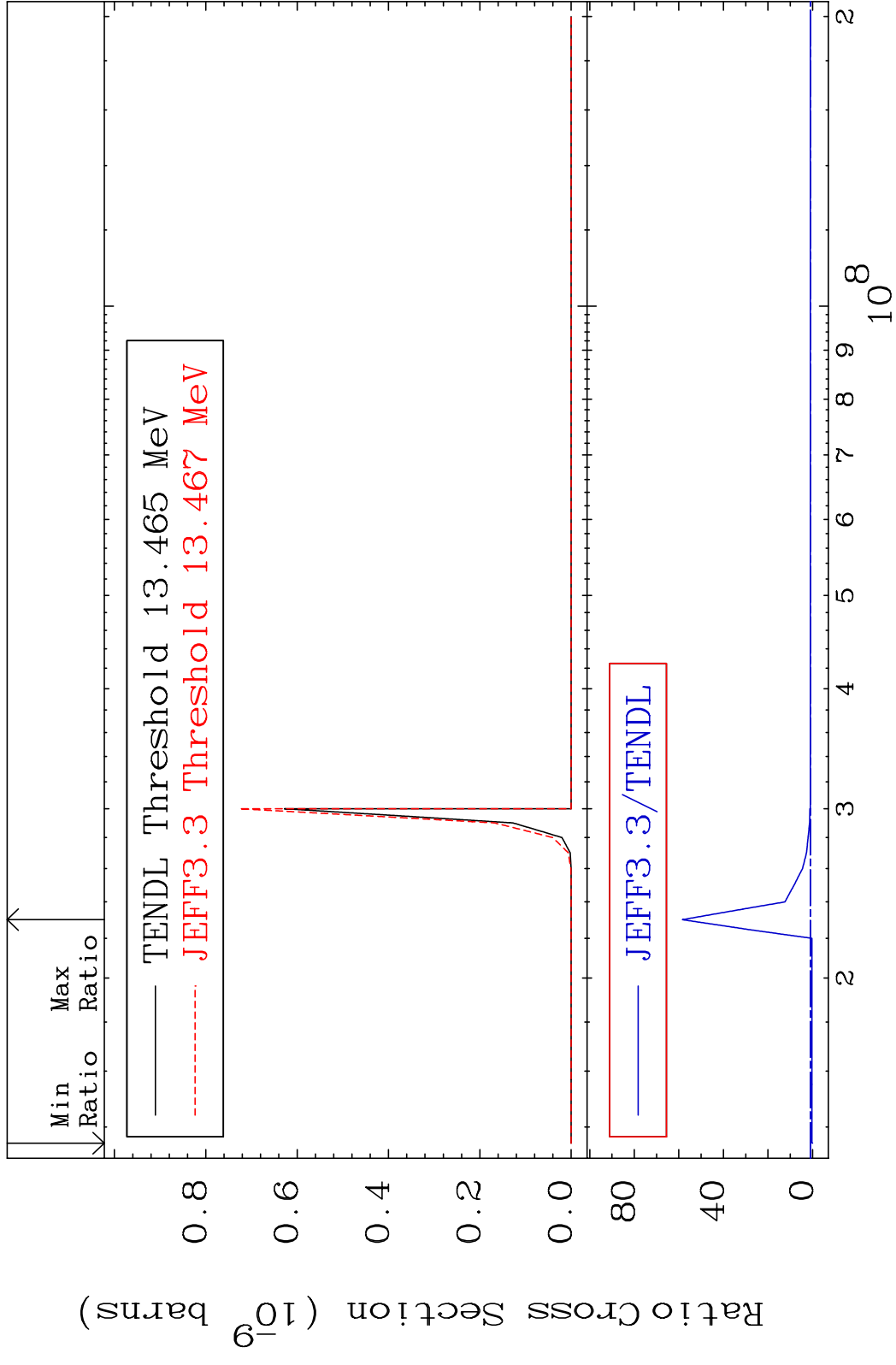
MAT 5134 (n,2n) p:49-In-122g 51-Sb-124
 Radionuclide Production Cross Section 18.777 MeV
 Ratio 0.000 %

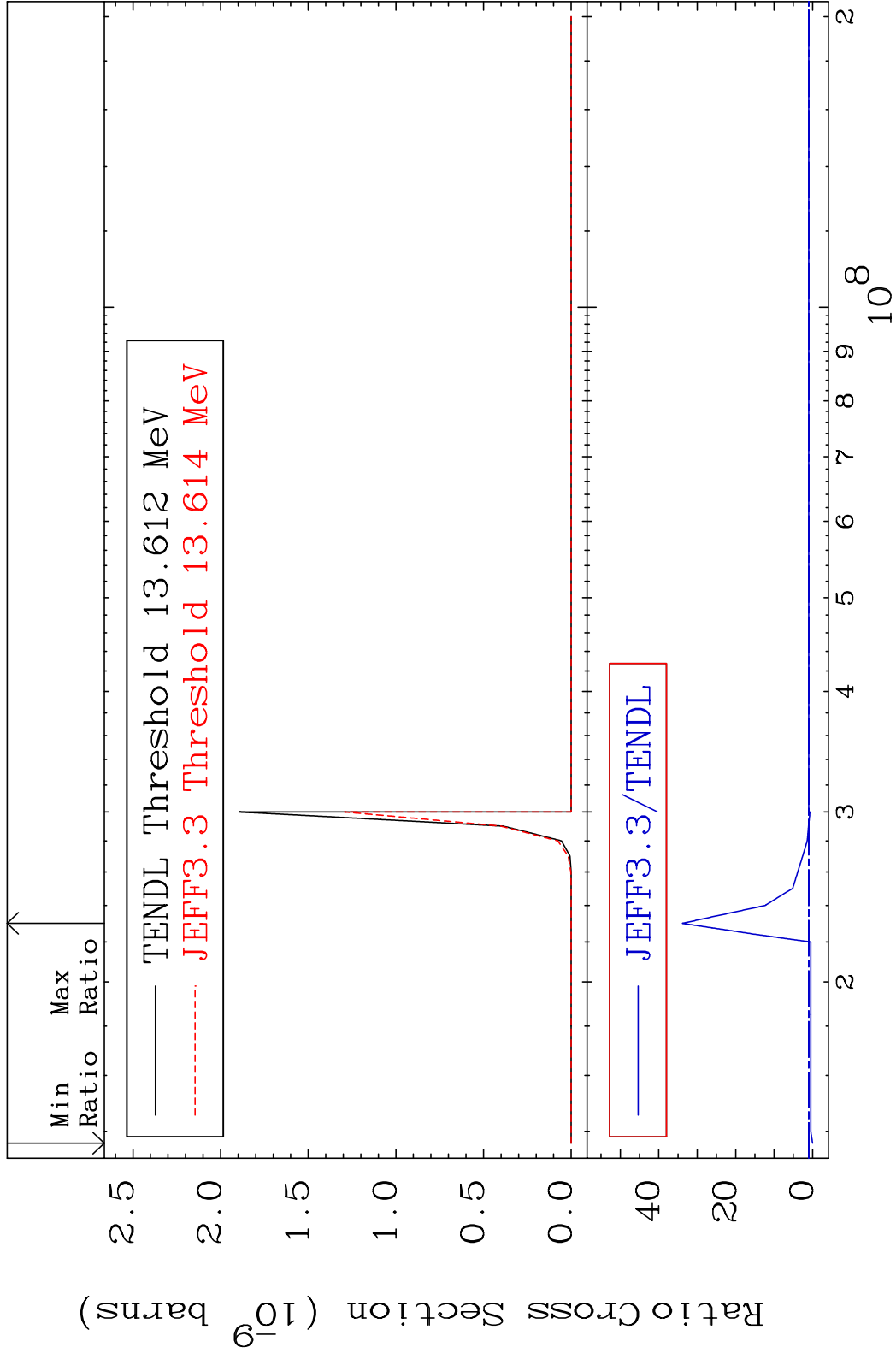


100 Incident Energy (eV) 51-Sb-124

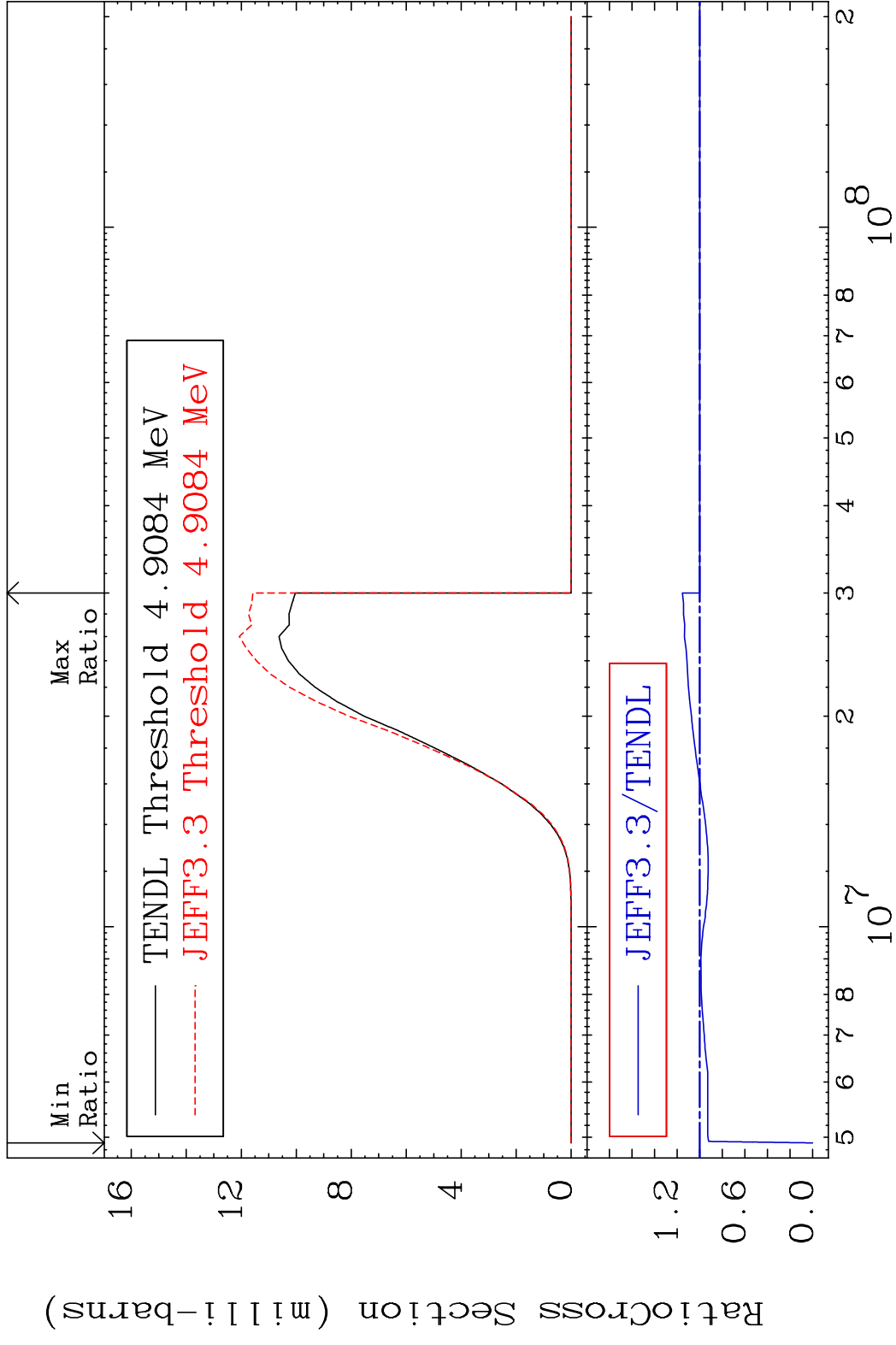




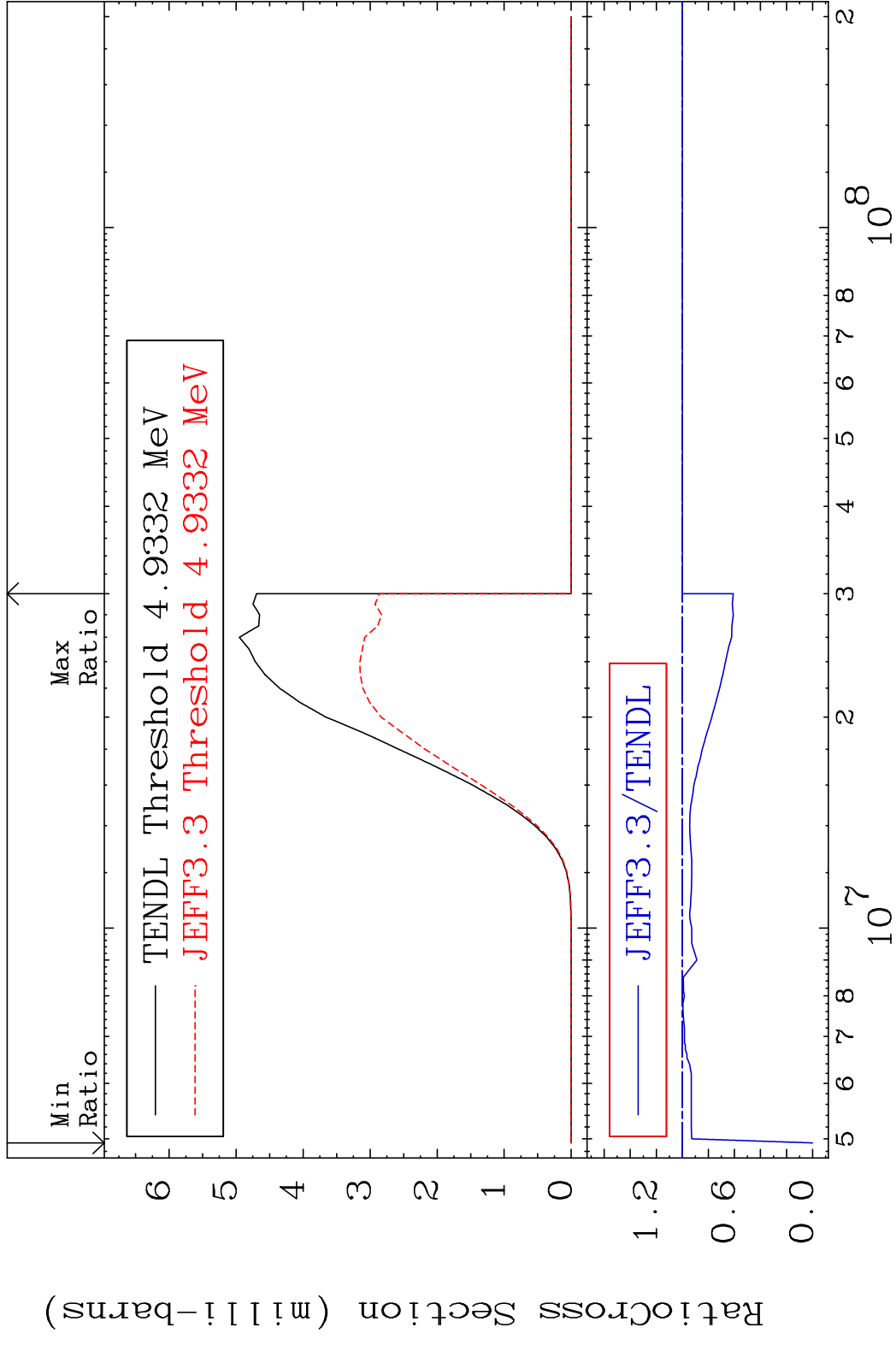


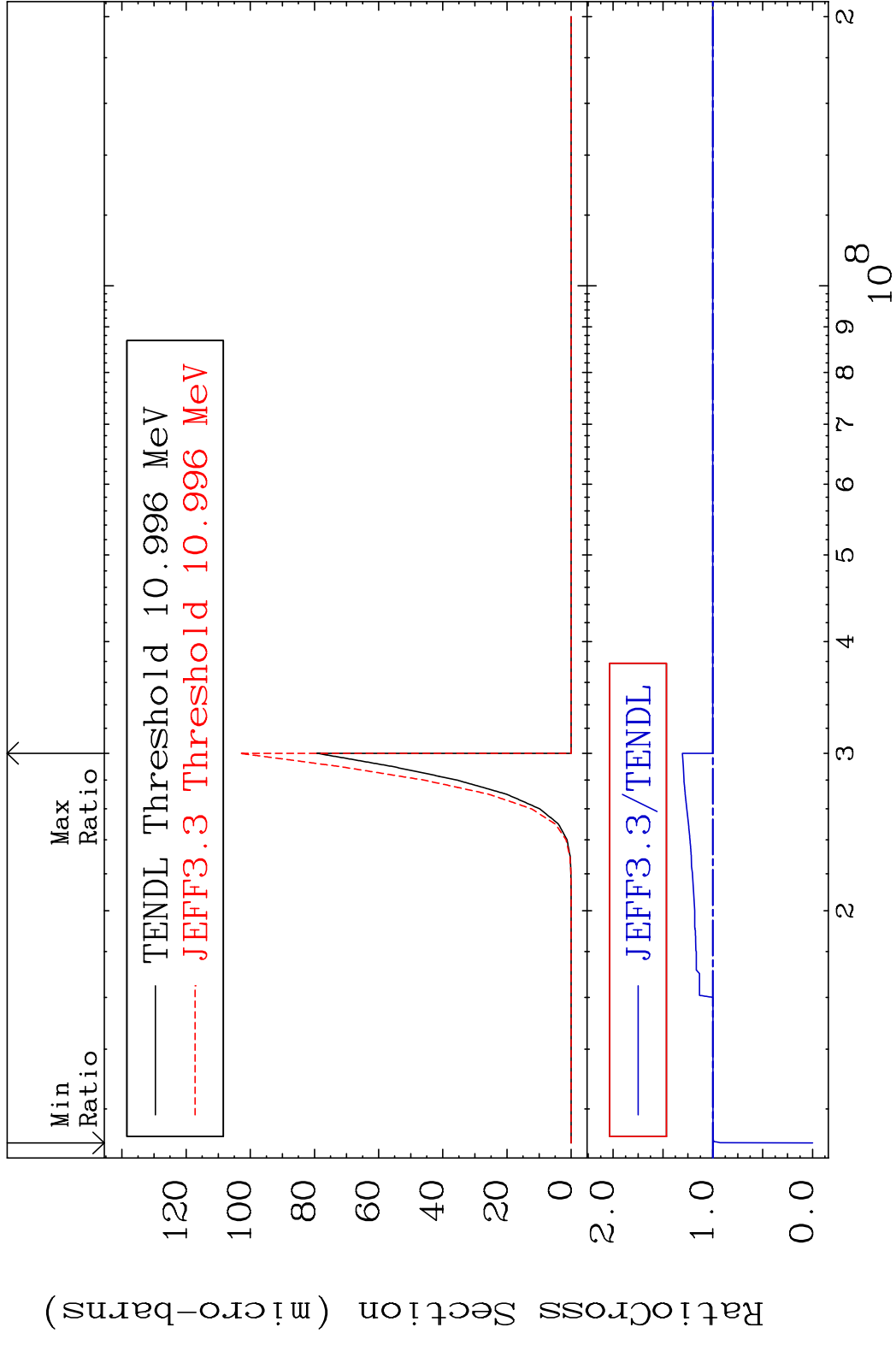


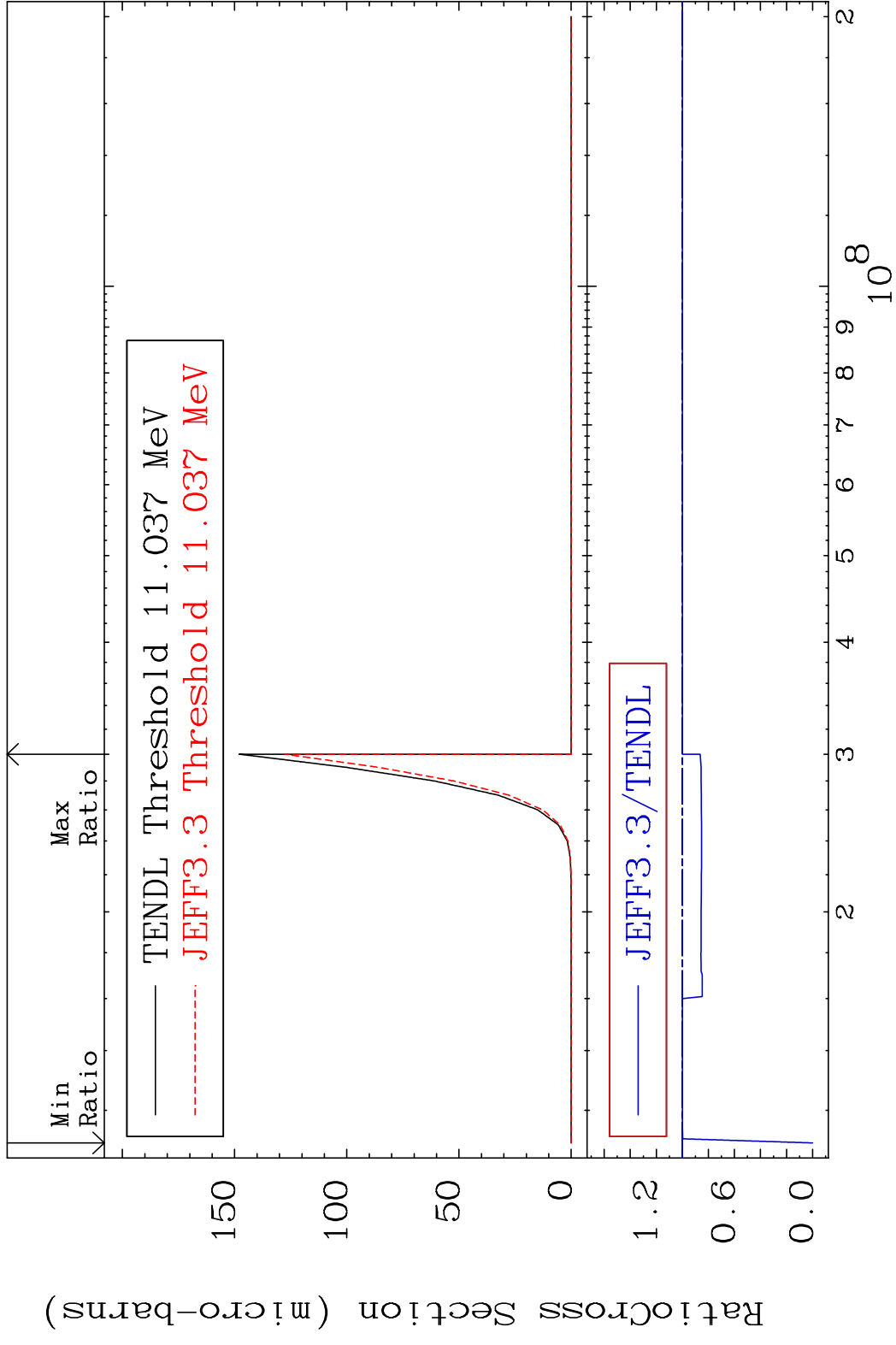
MAT 5134 (n, d):50-Sn-123g 51-Sb-124
 Radionuclide Production Cross Section 15.37 %

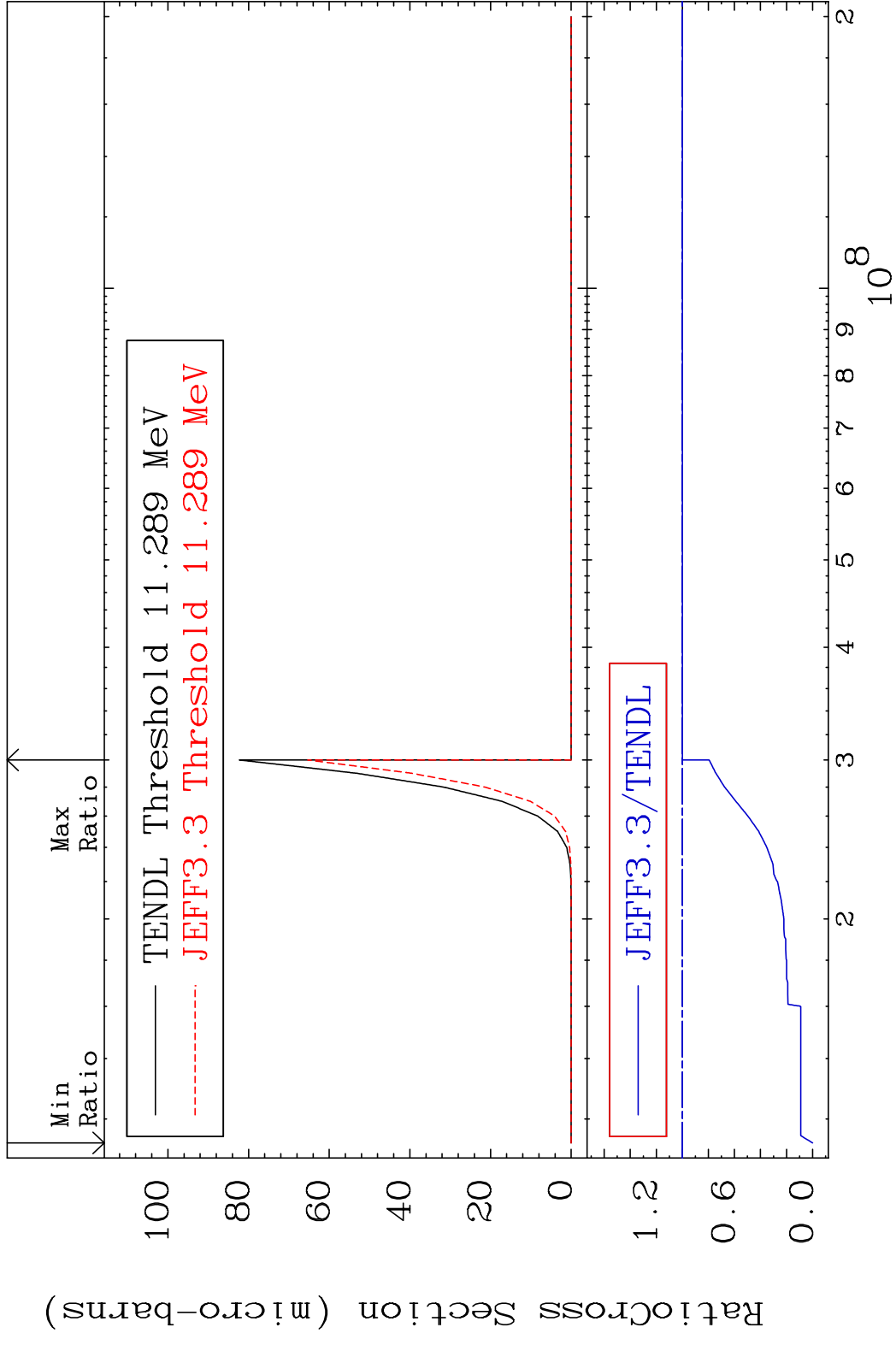


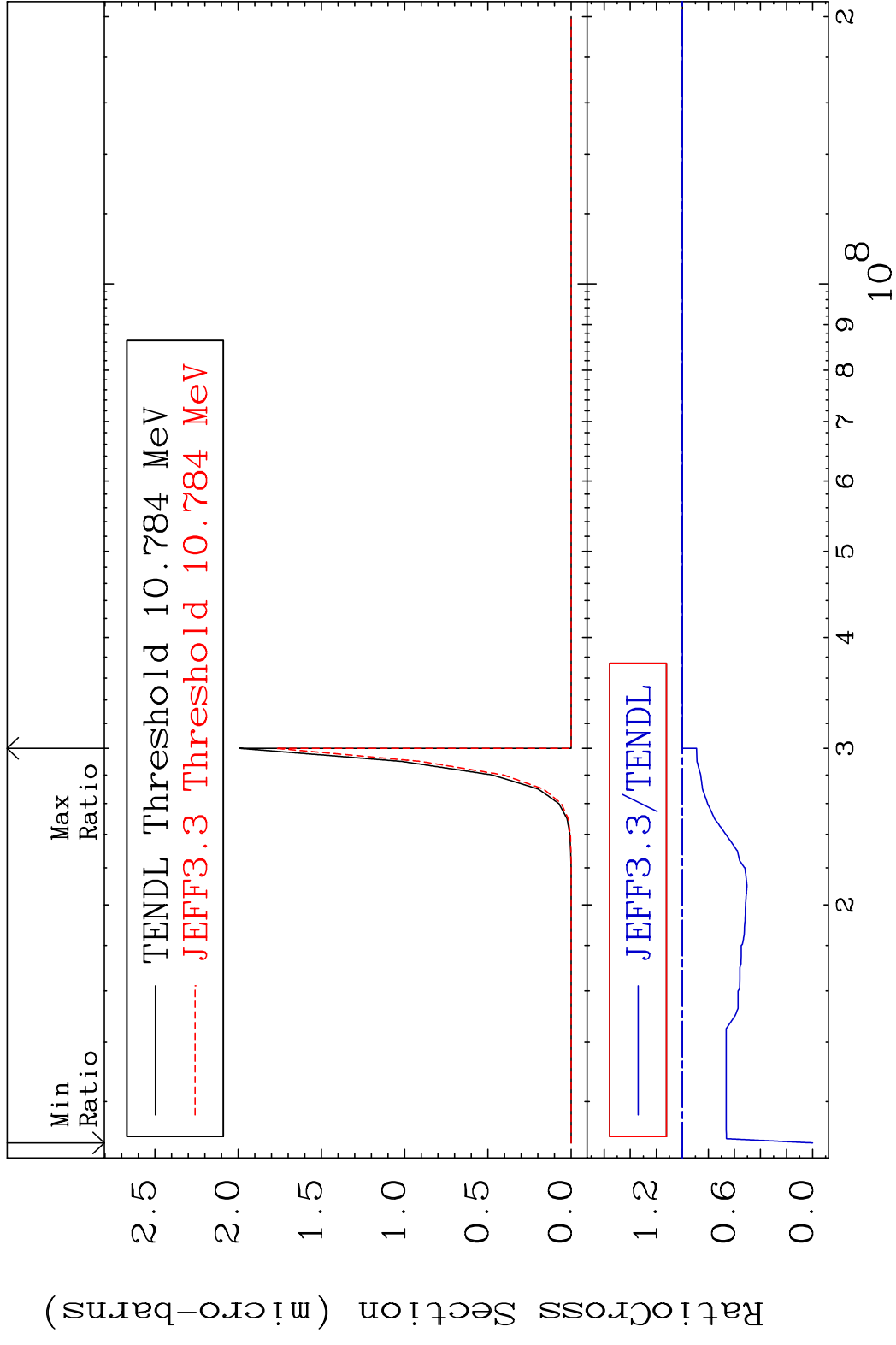
MAT 5134 (n, d):50-Sn-123m1 51-Sb-124
 Radionuclide Production Cross Section 0.000 %

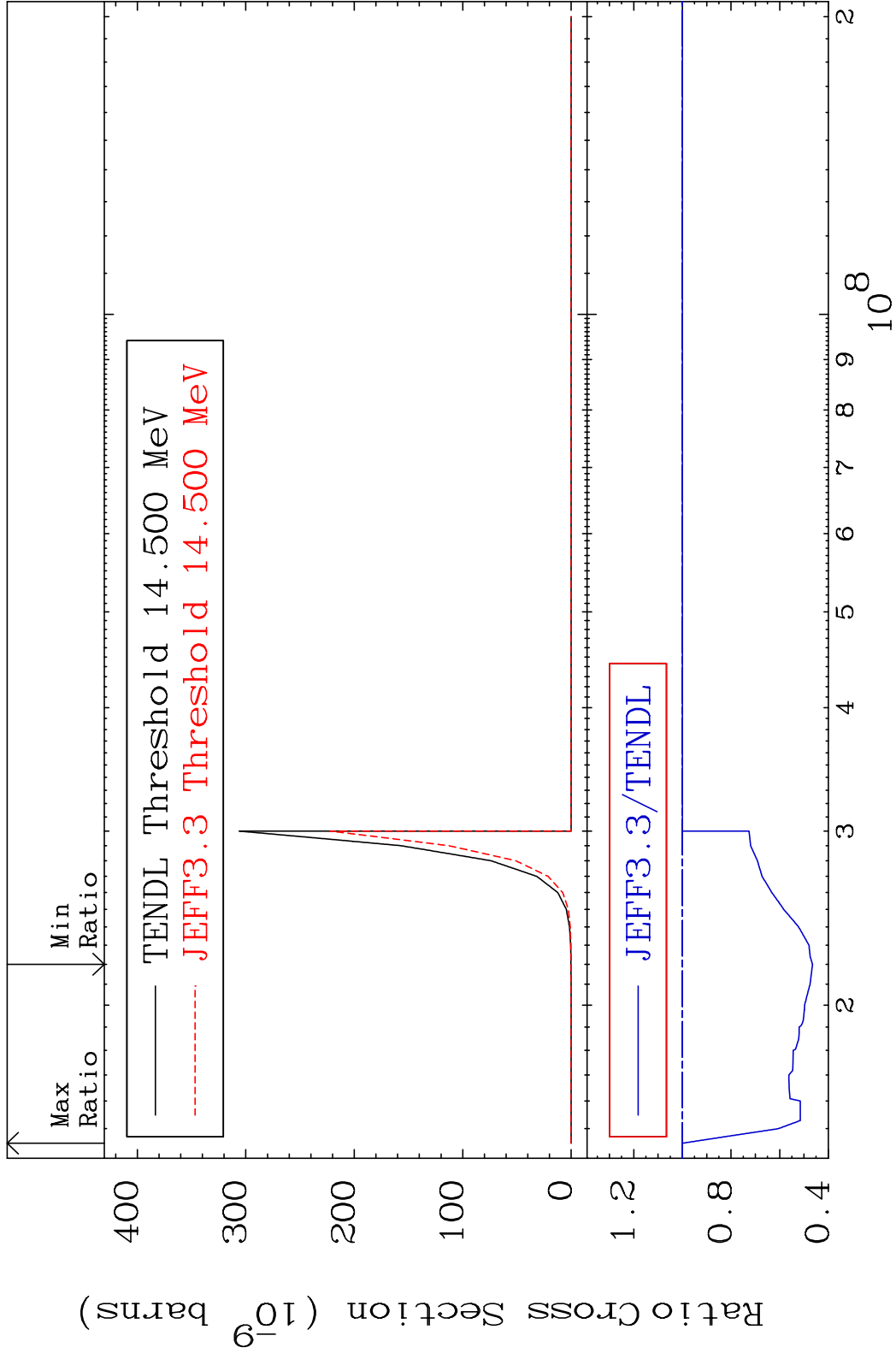


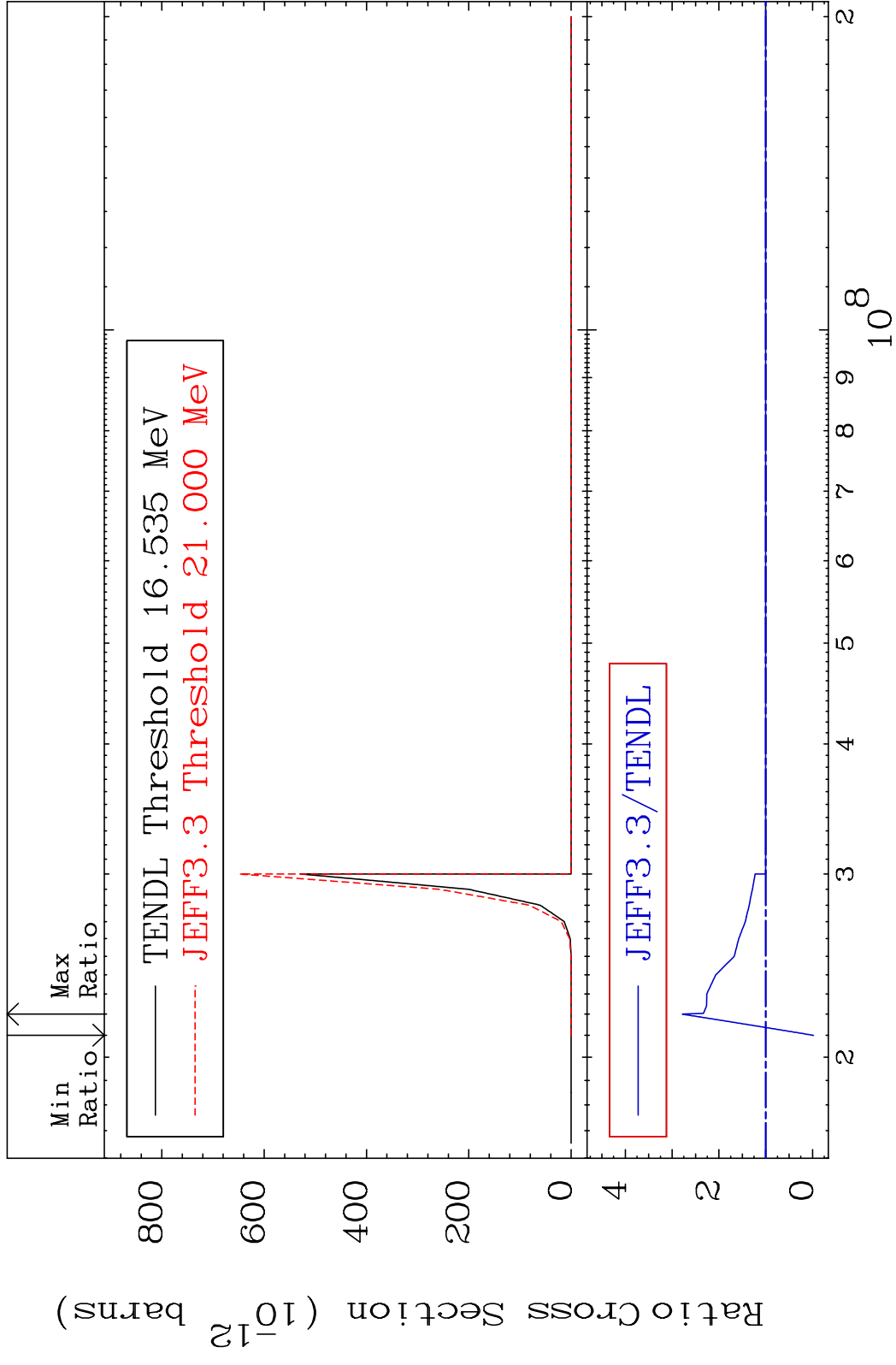


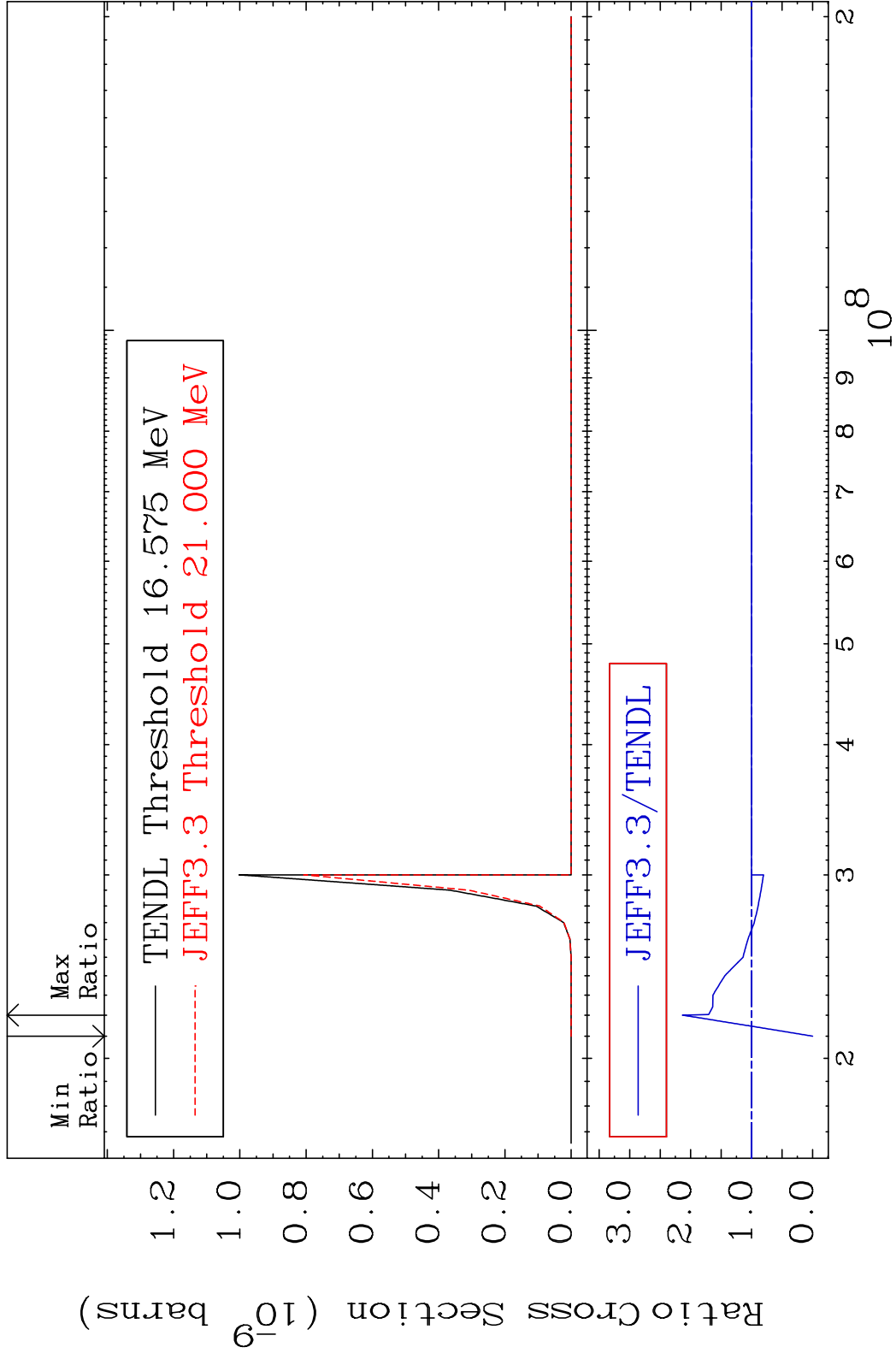












MAT 5134 (n, p) d:49-In-122m5 51-Sb-124
 Radionuclide Production Cross Section 127.2 %

