

Program Complot
(Version 2021-1)

by

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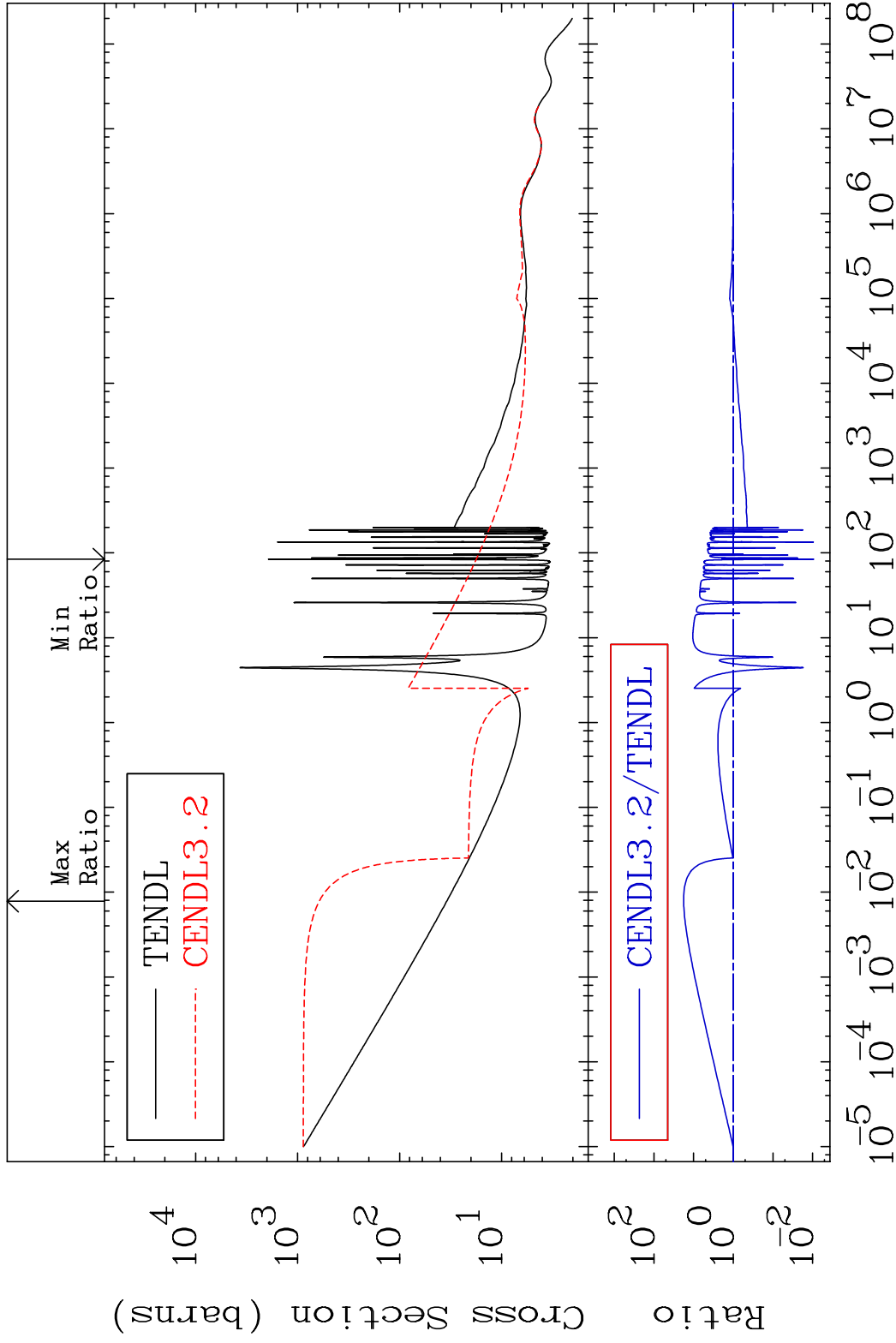
Press Mouse Button to Start

MAT 5134

Total

51-Sb-124

Cross Section -99.08 To 1678. %



1

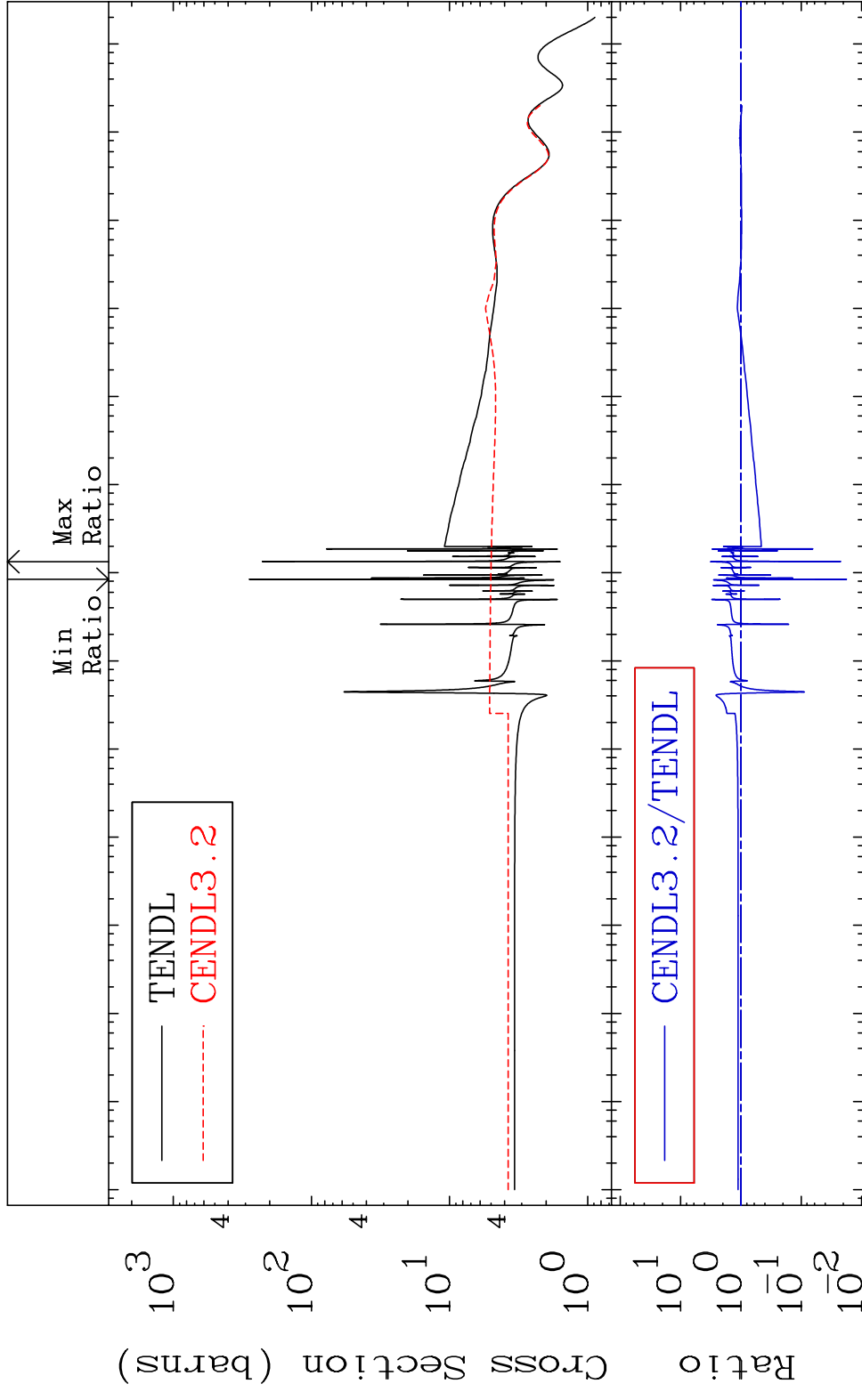
Incident Energy (eV)

51-Sb-124

MAT 5134

Elastic Cross Section -98.22 To 216.7 %

51-Sb-124



2

Incident Energy (eV)

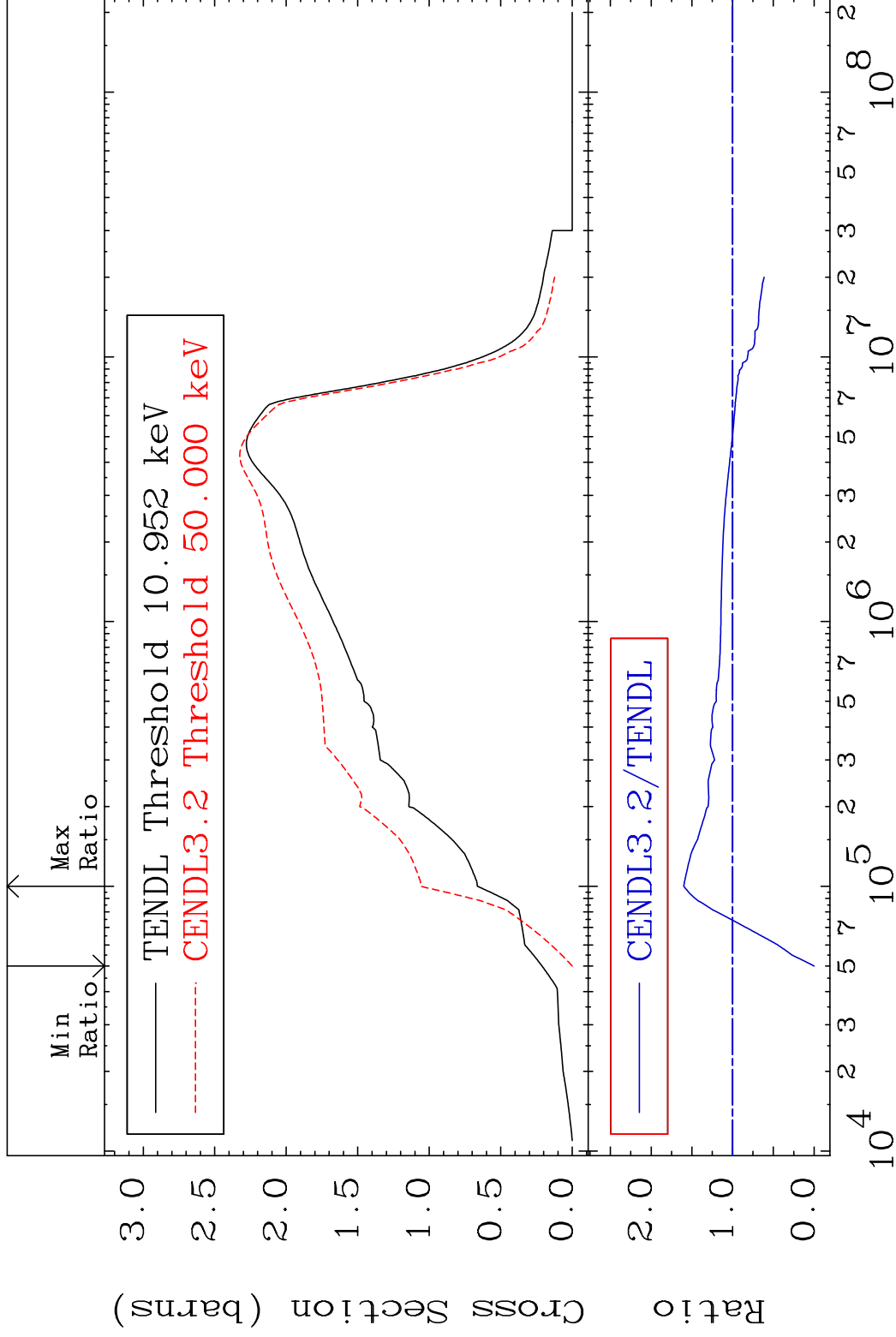
51-Sb-124

MAT 5134

Inelastic

51-Sb-124

Cross Section -100.0 To 60.09 %



3

Incident Energy (eV)

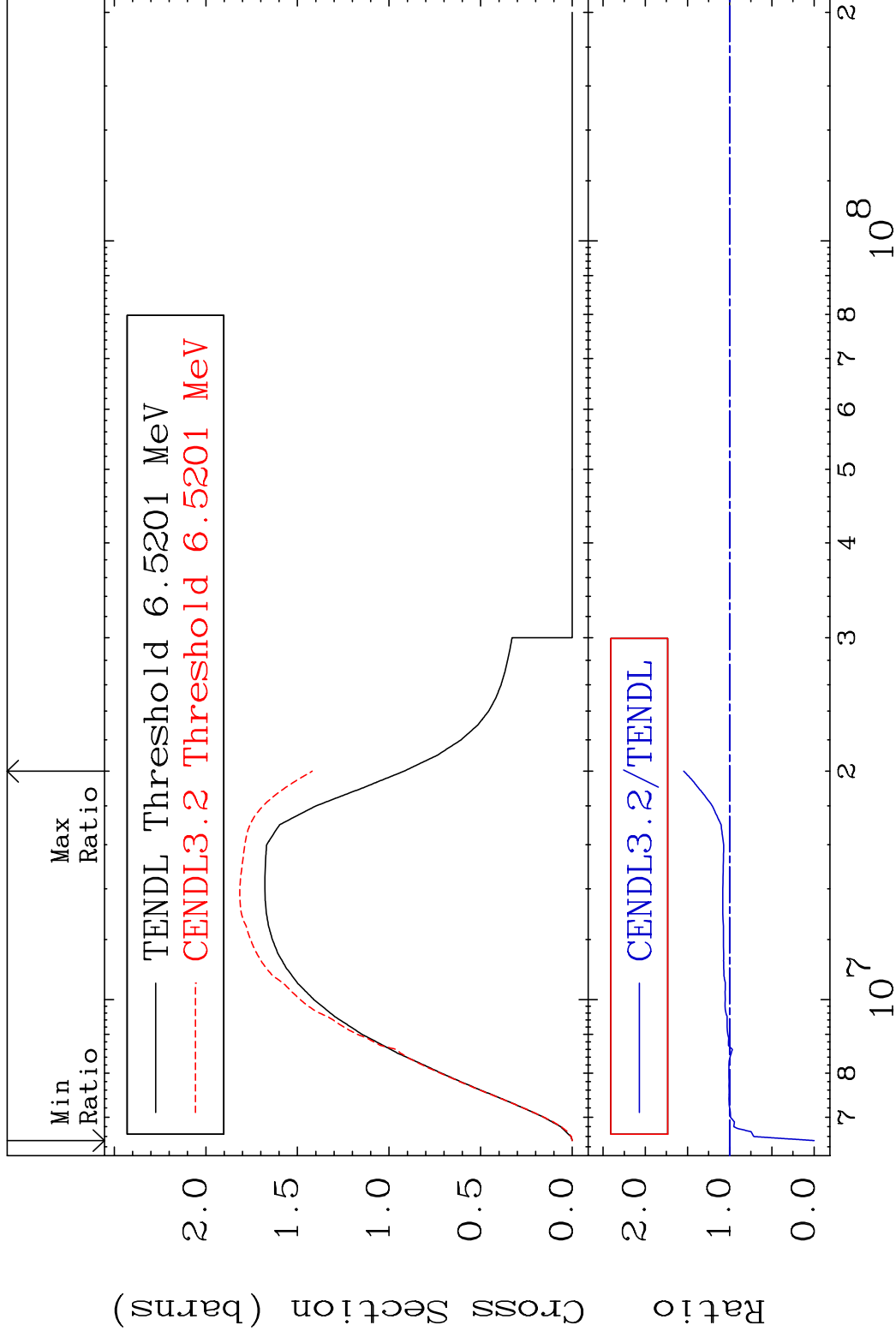
51-Sb-124

MAT 5134

(n,2n)

51-Sb-124

Cross Section -100.0 To 54.56 %



4

Incident Energy (eV)

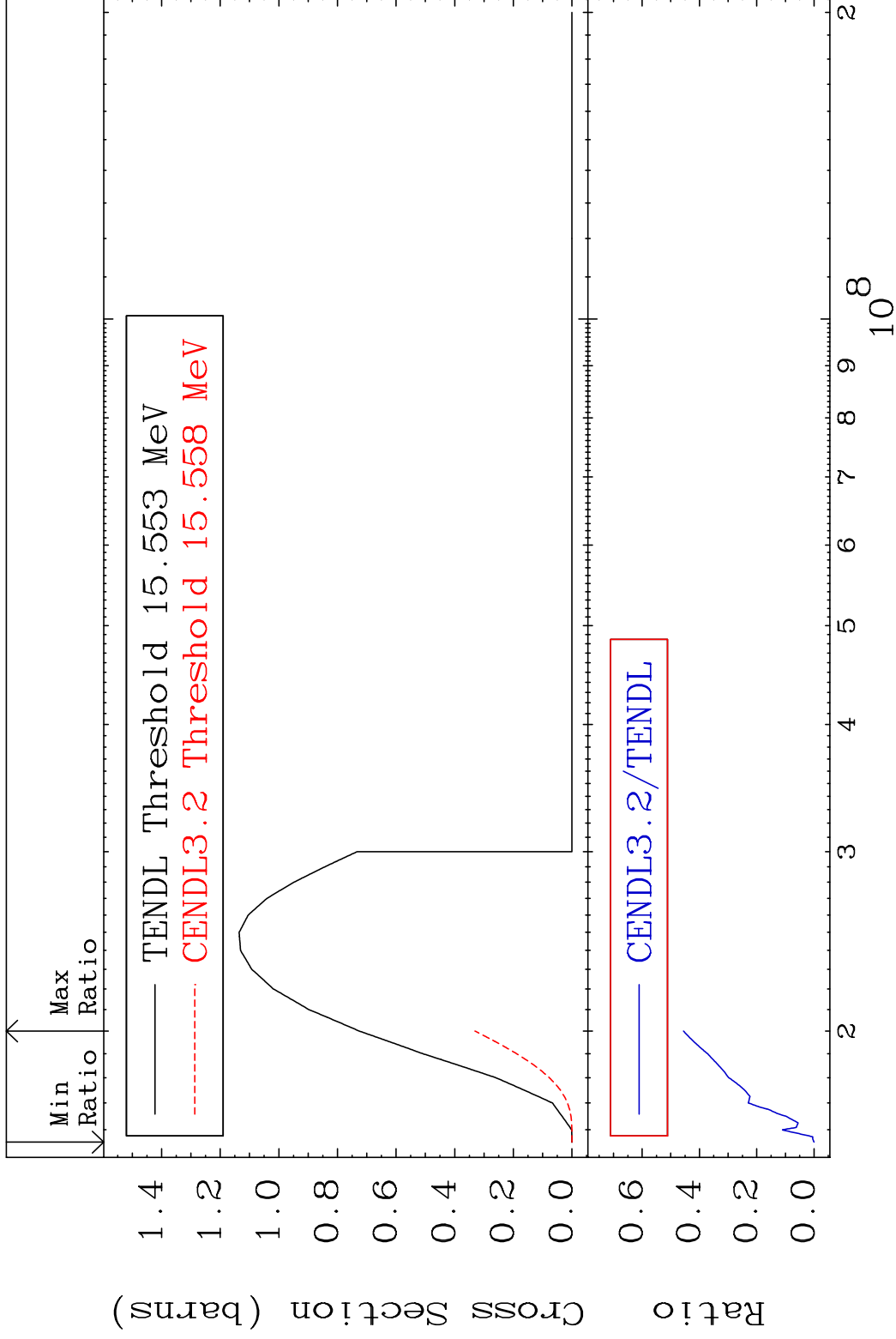
51-Sb-124

MAT 5134

(n,3n)

51-Sb-124

Cross Section -100.0 To -54.42%



5

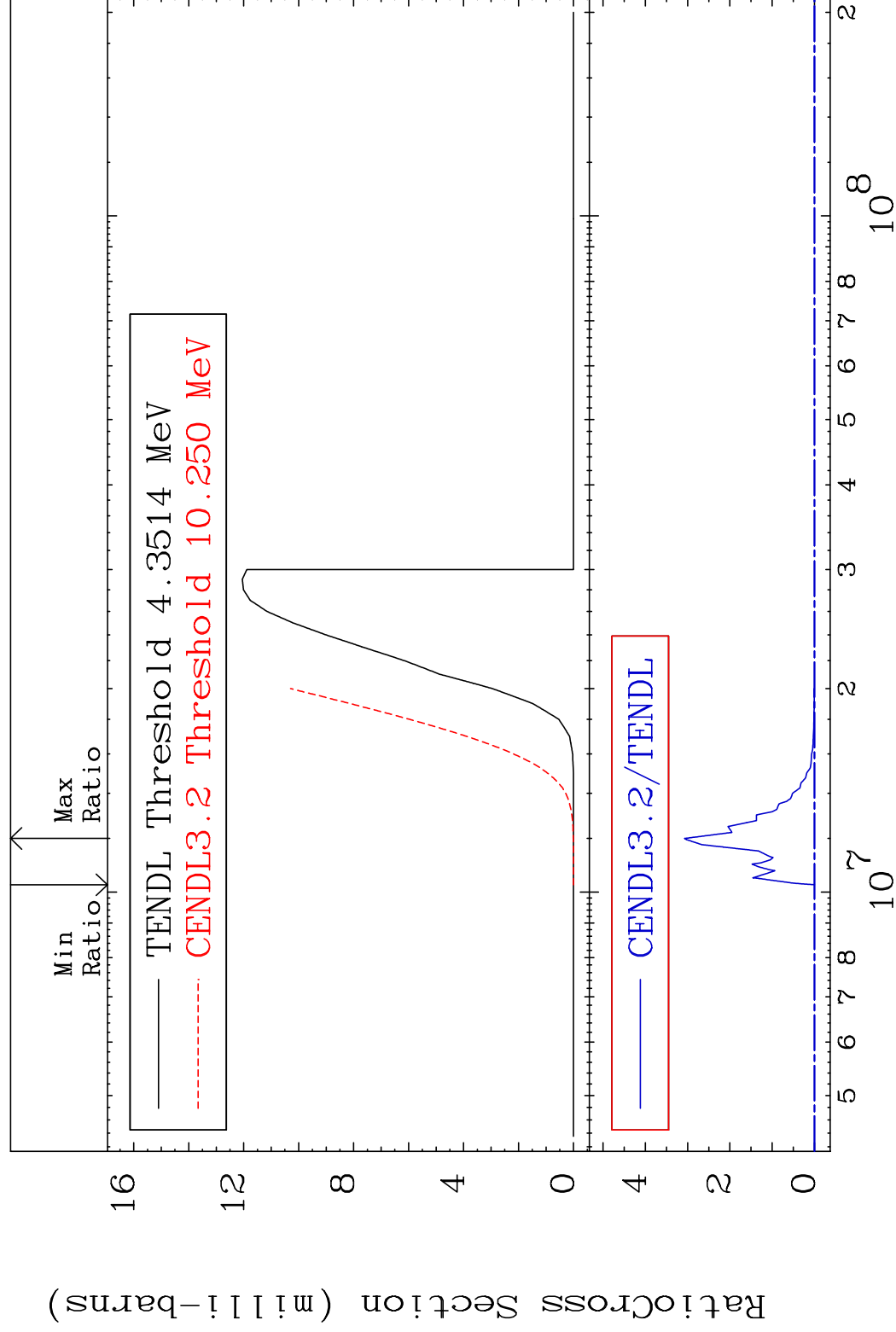
Incident Energy (eV)

51-Sb-124

MAT 5134

(n, n') α 51-Sb-124

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

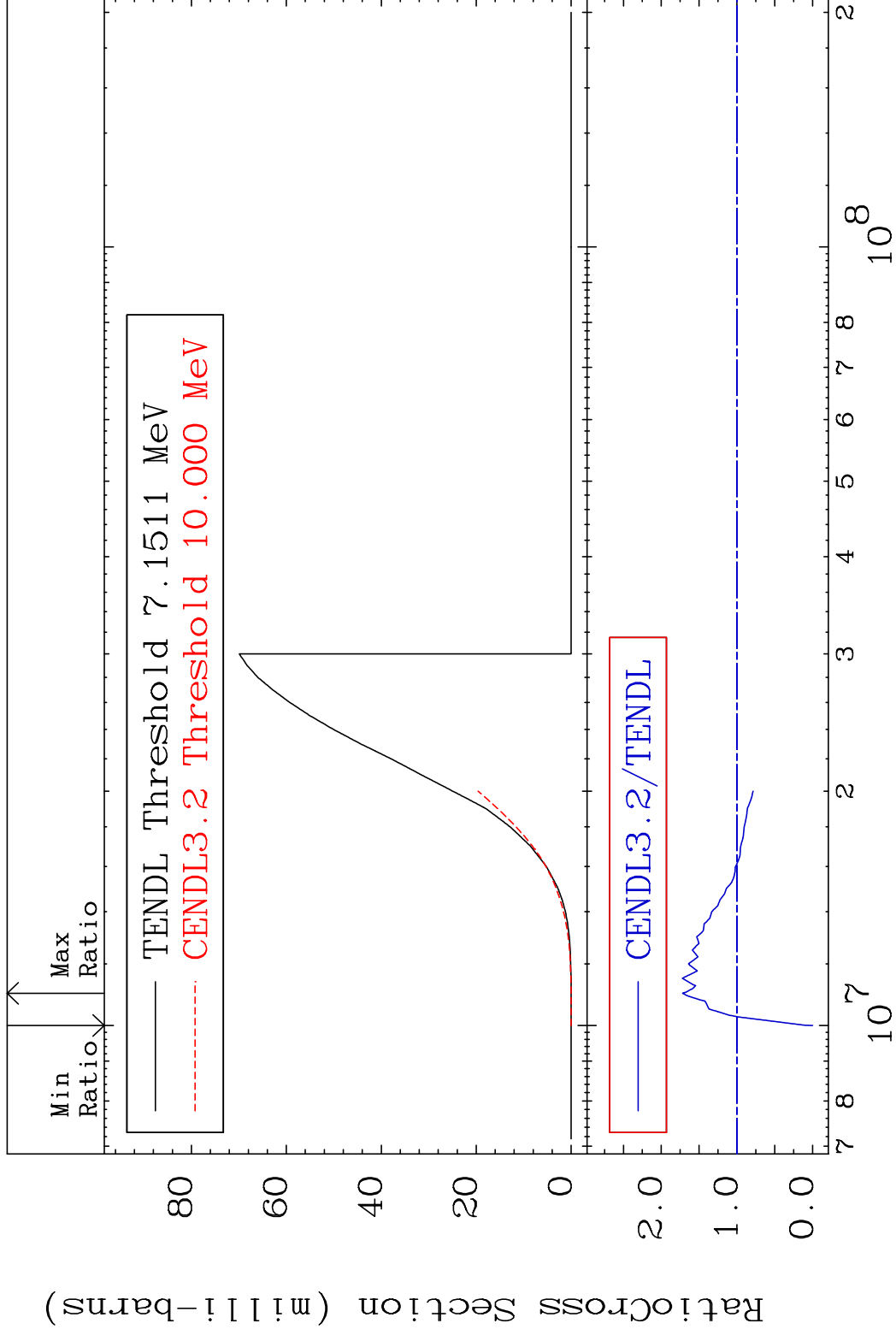
51-Sb-124

MAT 5134

(n, n') p

51-Sb-124

Cross Section -100.0 To 72.12 %

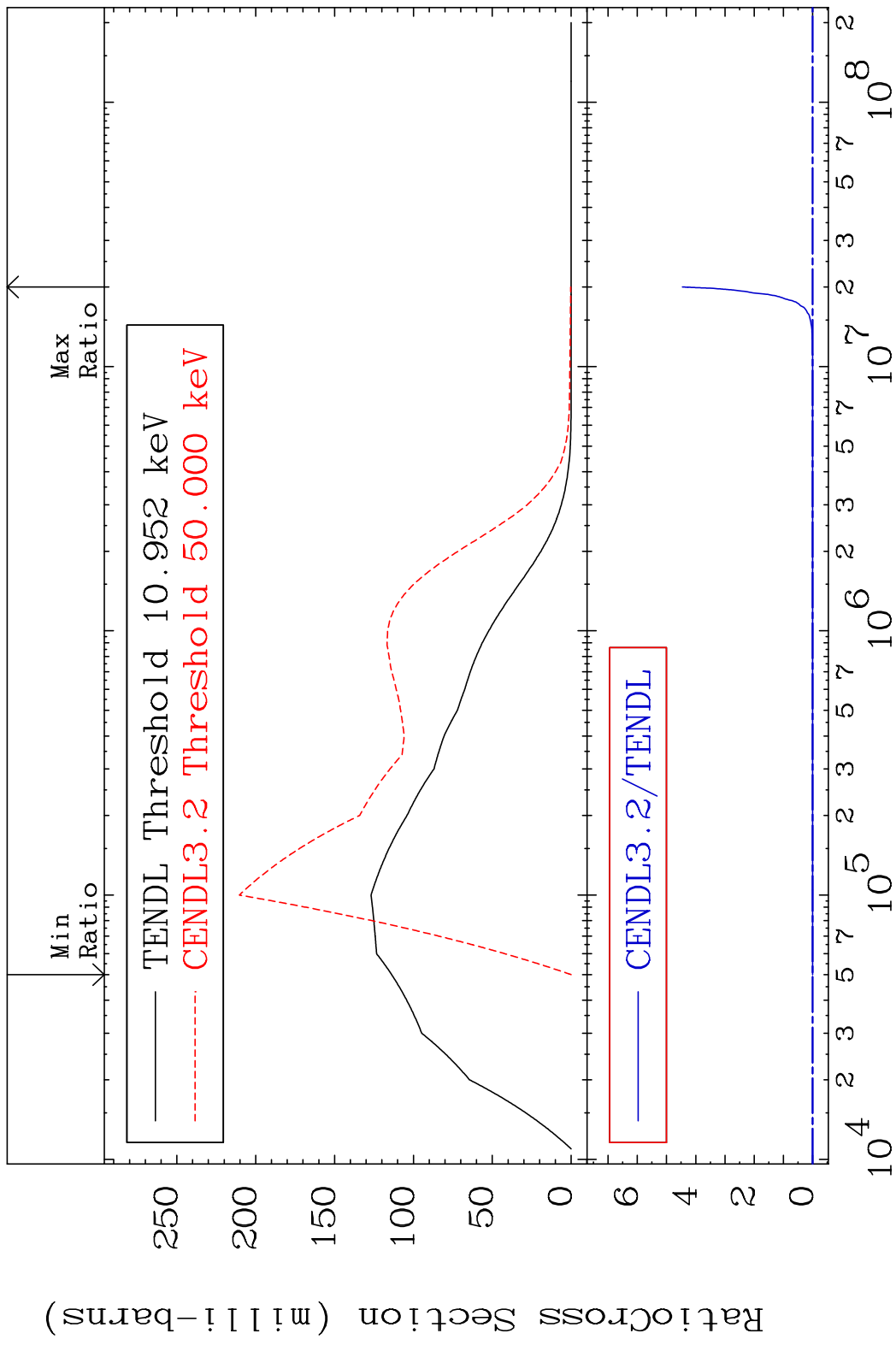


7

Incident Energy (eV)

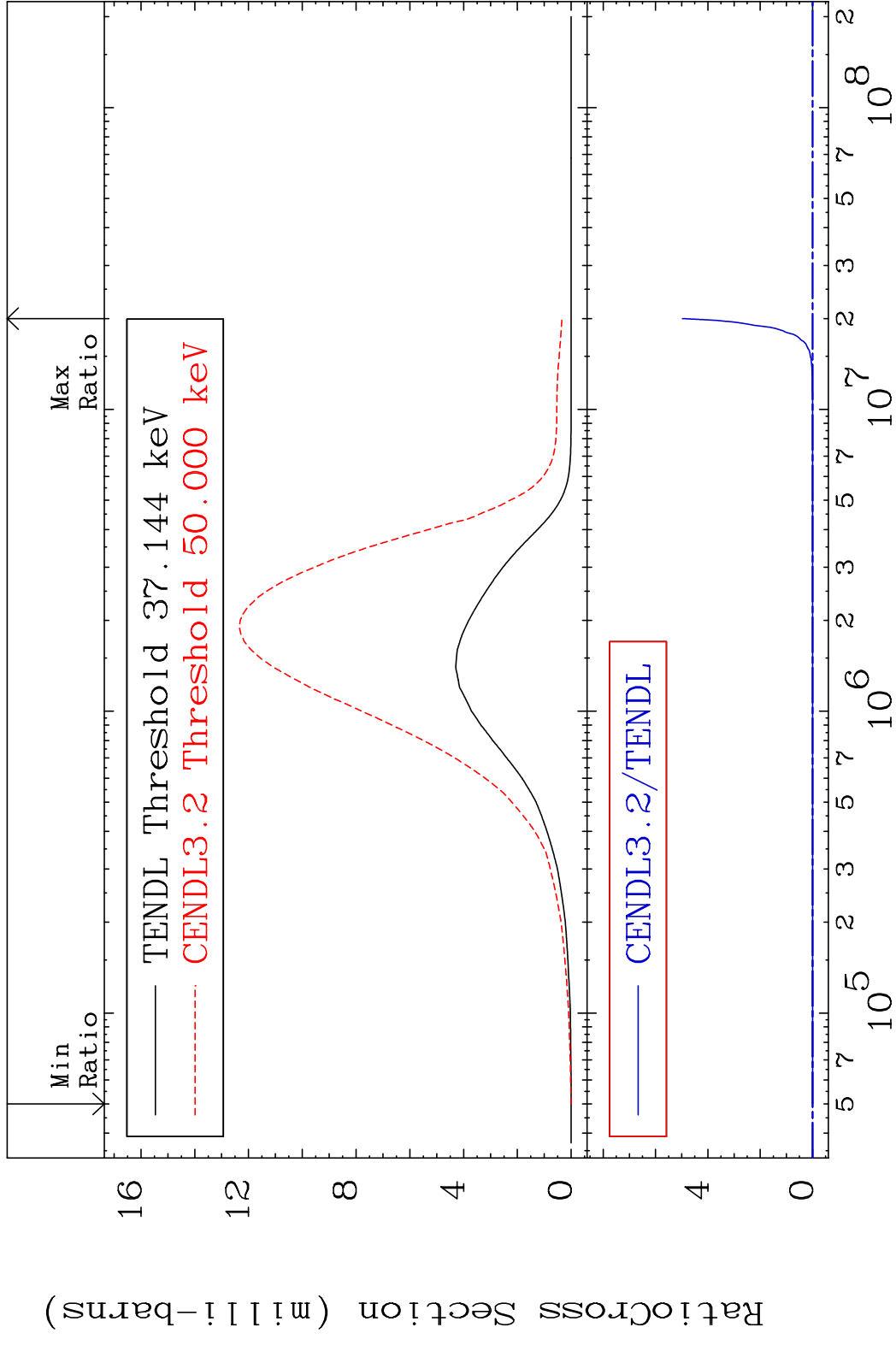
51-Sb-124

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

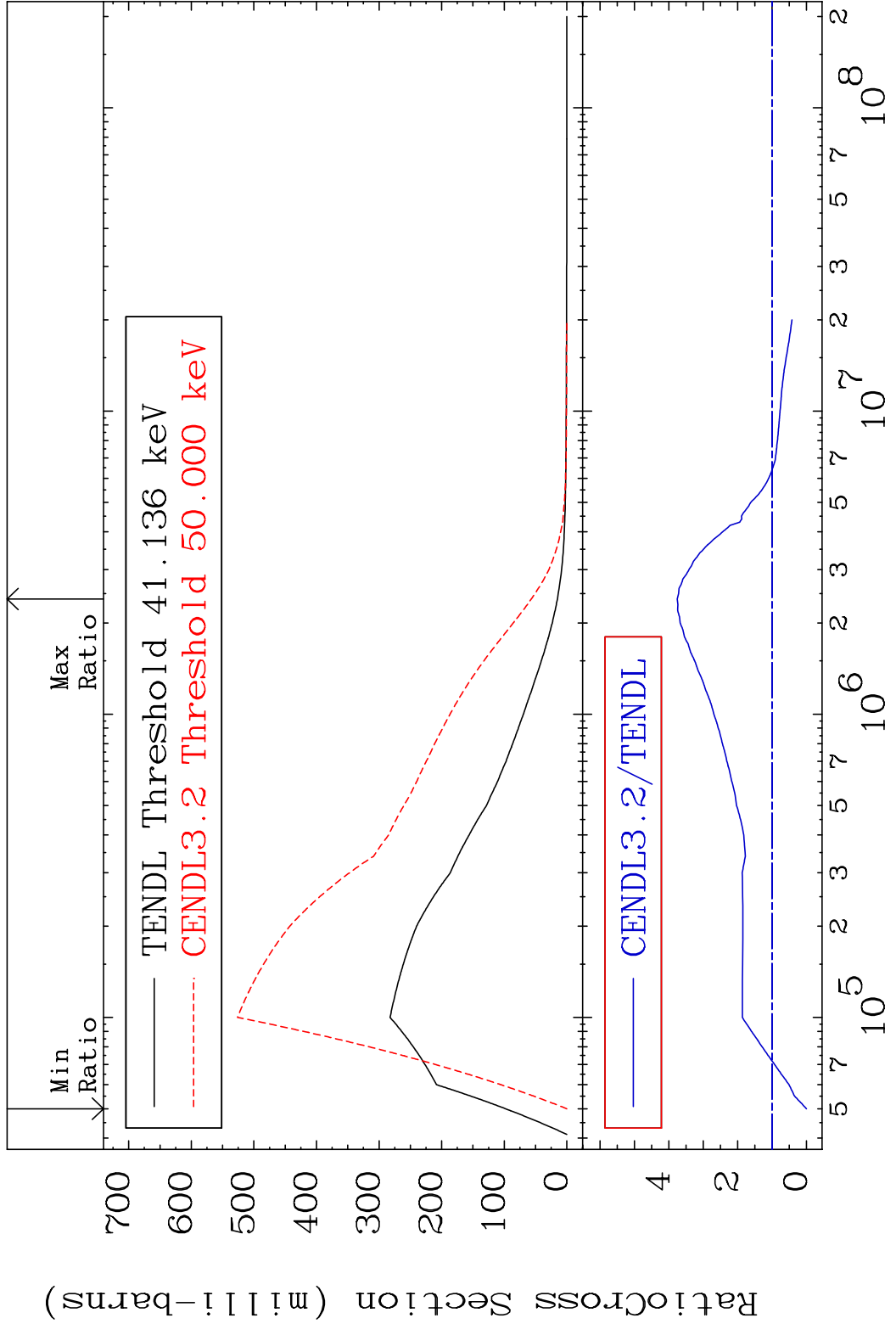


8 Incident Energy (eV) 51-Sb-124

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

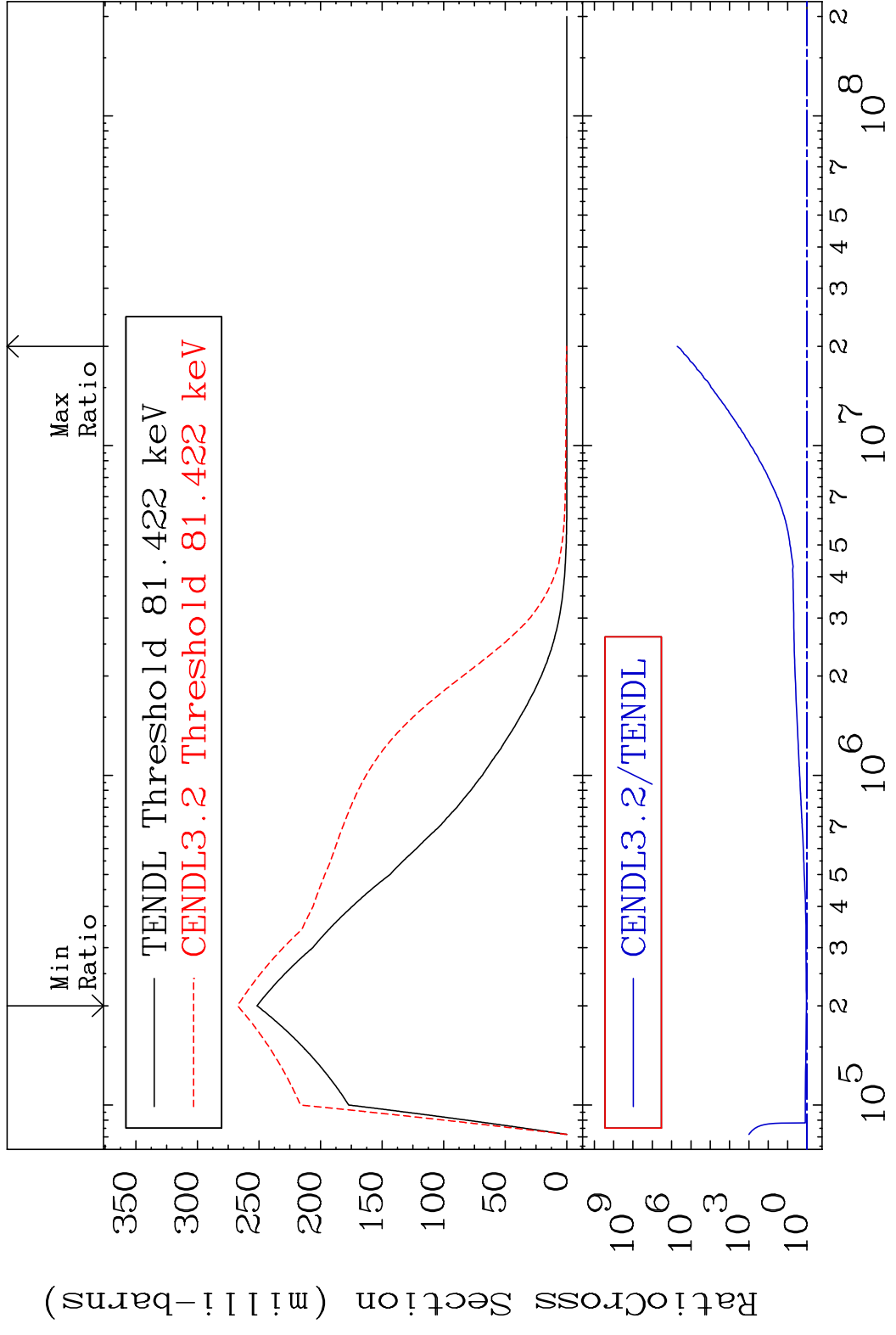


MAT 5134 MT= 53 (n, n') Level 51-Sb-124
 Cross Section -100.0 To 275.6 %

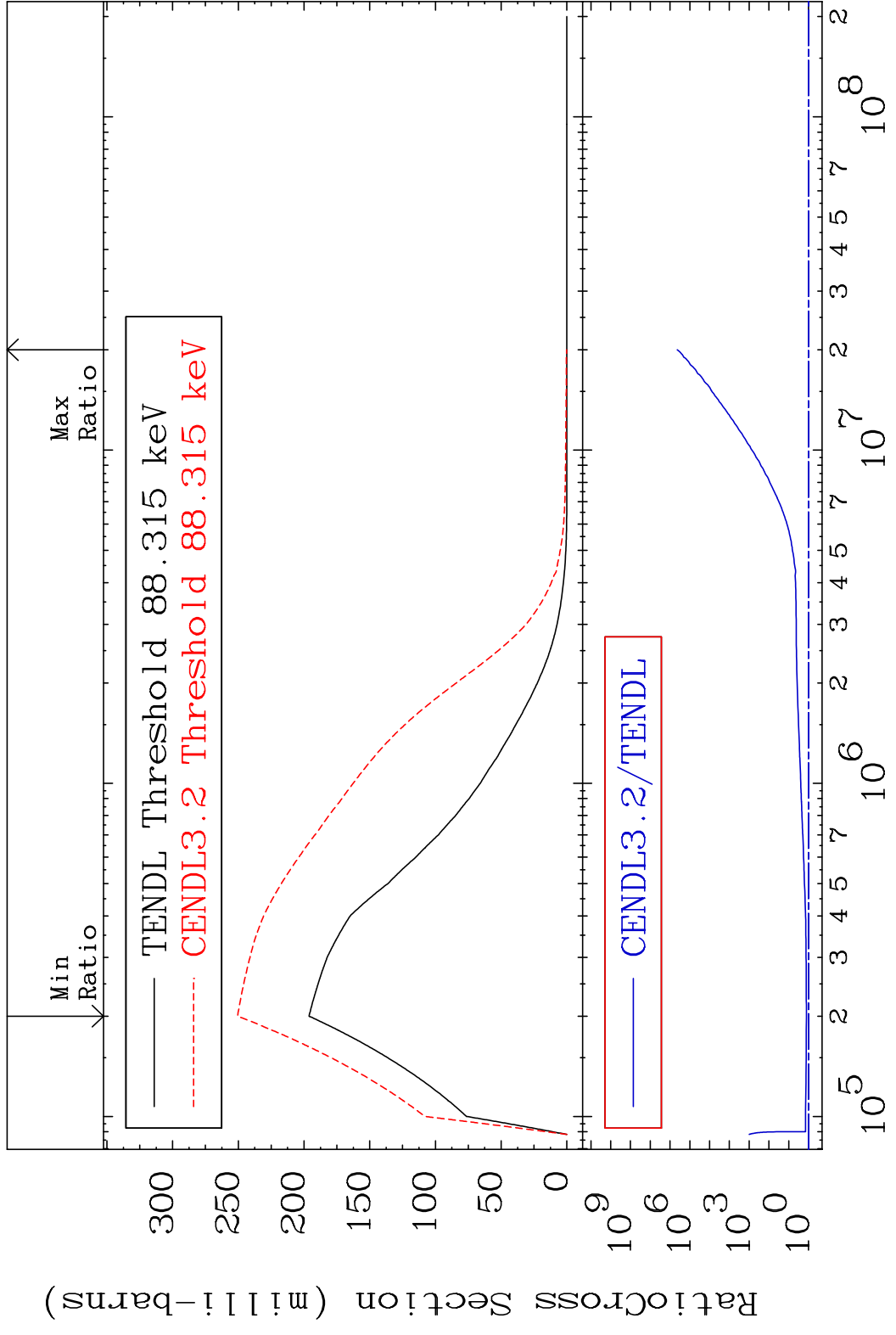


10 Incident Energy (eV) 51-Sb-124

MAT 5134 MT= 54 (n,n') Level 51-Sb-124
 Cross Section 6.295 To 9999. %

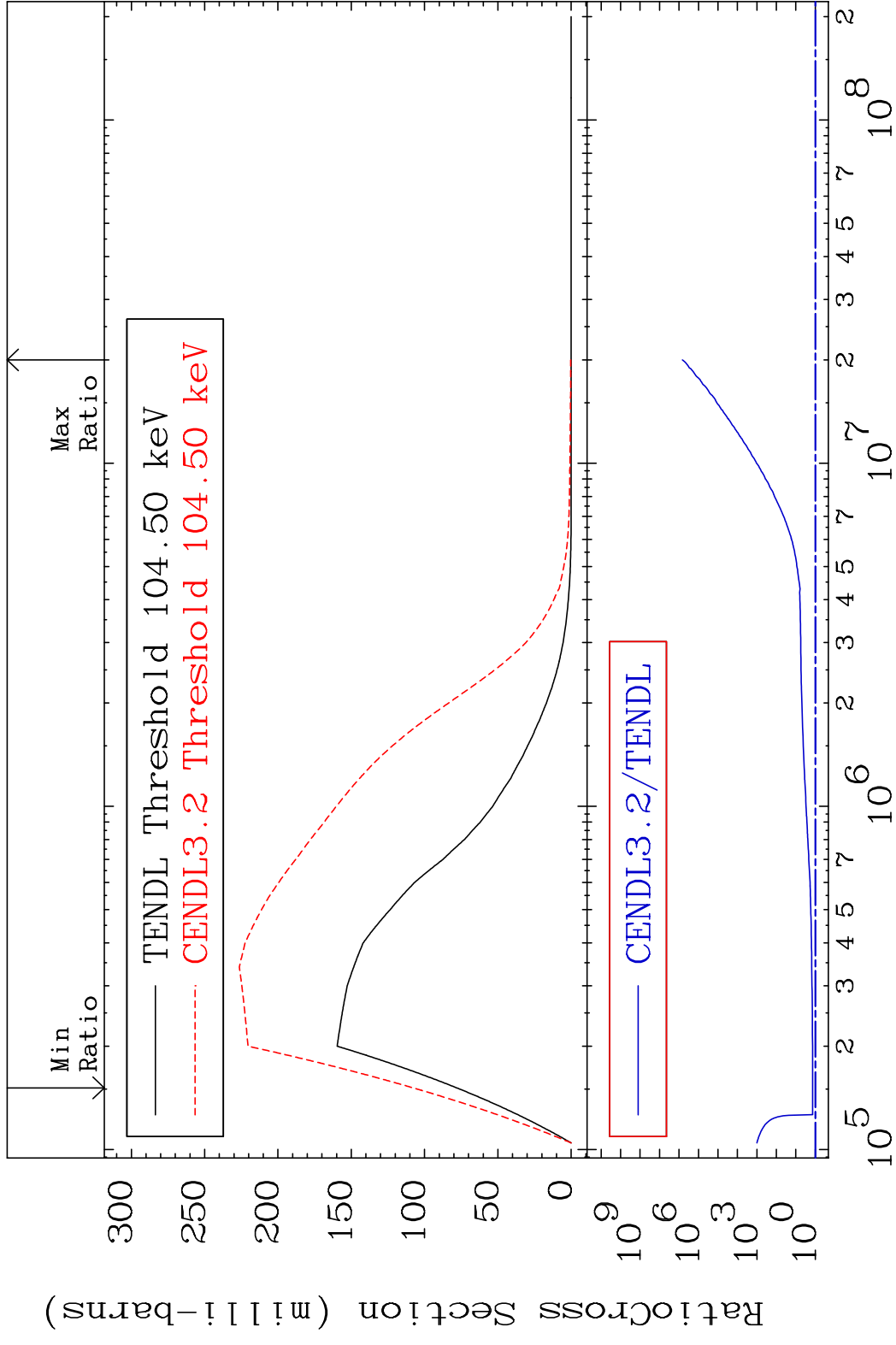


MAT 5134 MT= 55 (n,n') Level 51-Sb-124
 Cross Section 27.73 To 9999. %



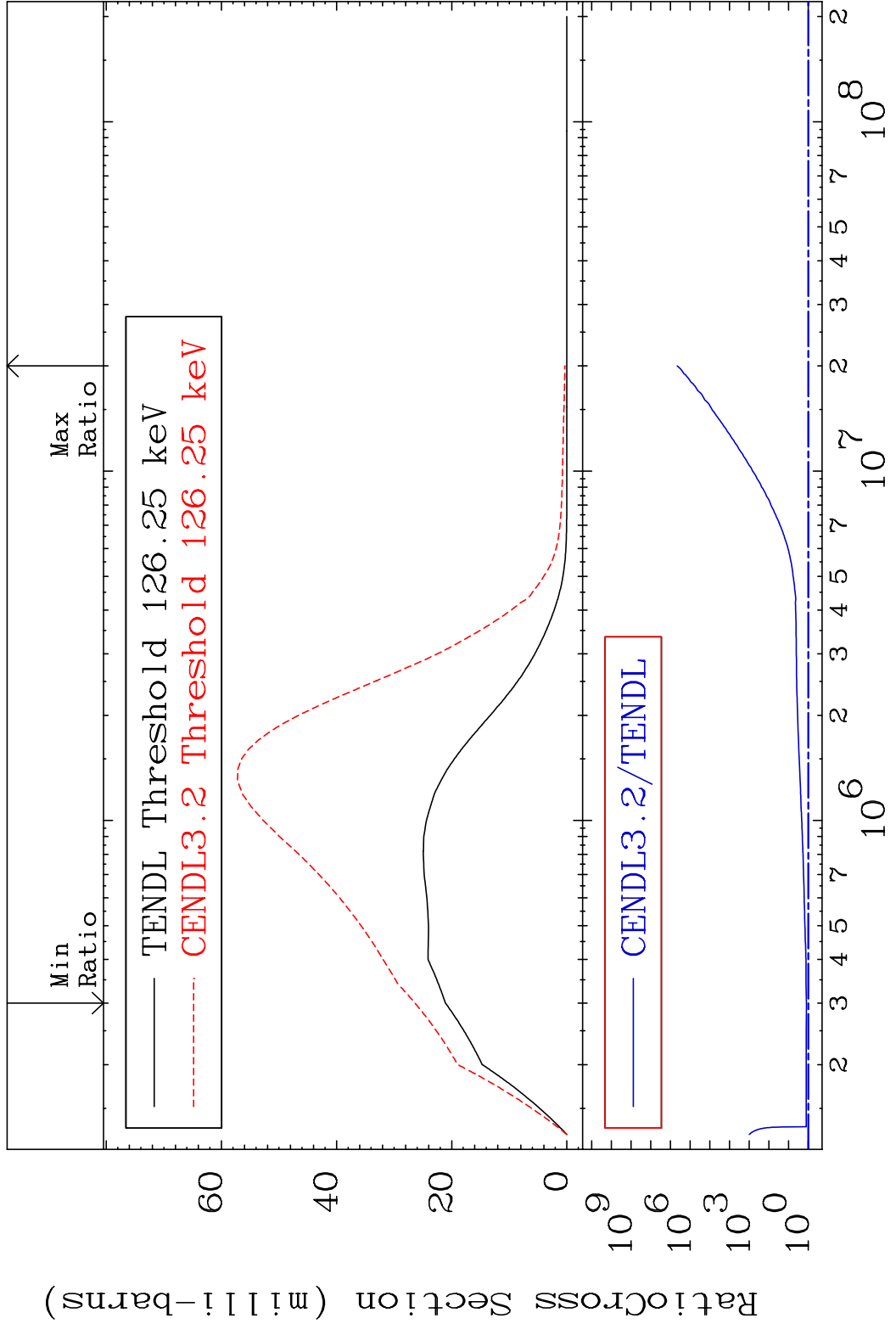
12 Incident Energy (eV) 51-Sb-124

MAT 5134 MT= 56 (n,n') Level 51-Sb-124
 Cross Section 38.14 To 9999. %

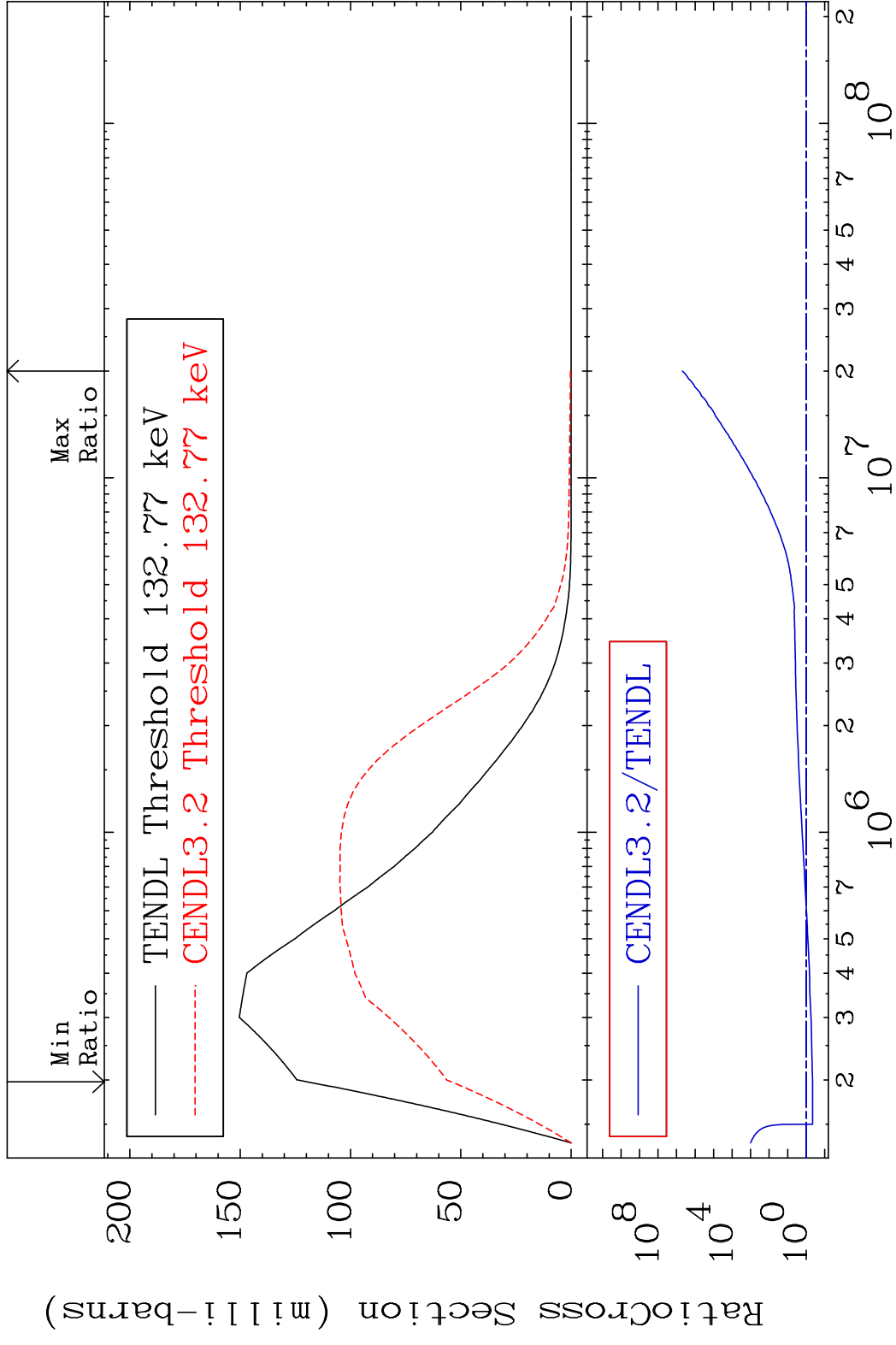


13 Incident Energy (eV) 51-Sb-124

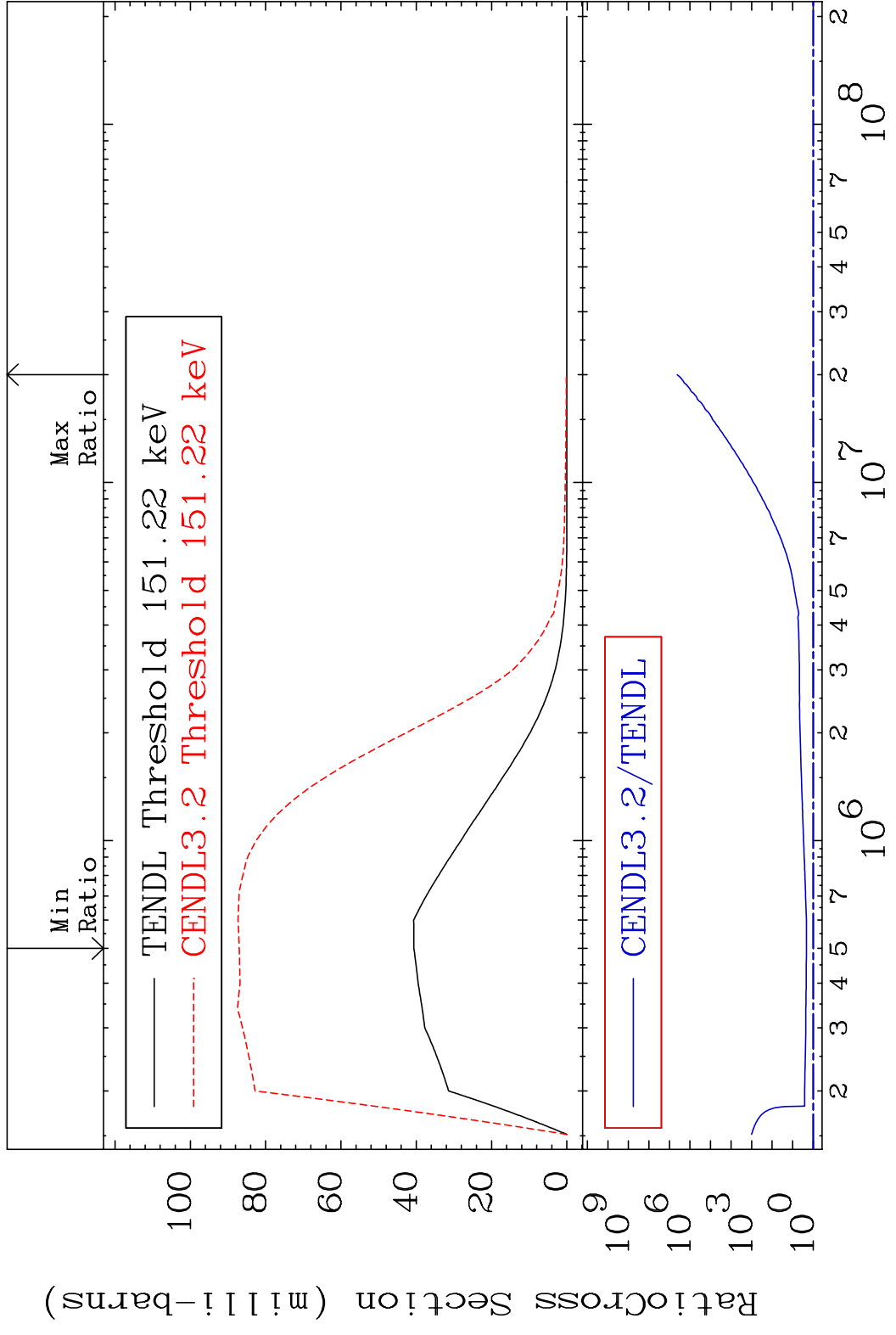
MAT 5134 MT= 57 (n,n') Level 51-Sb-124
 Cross Section 25.13 To 9999. %



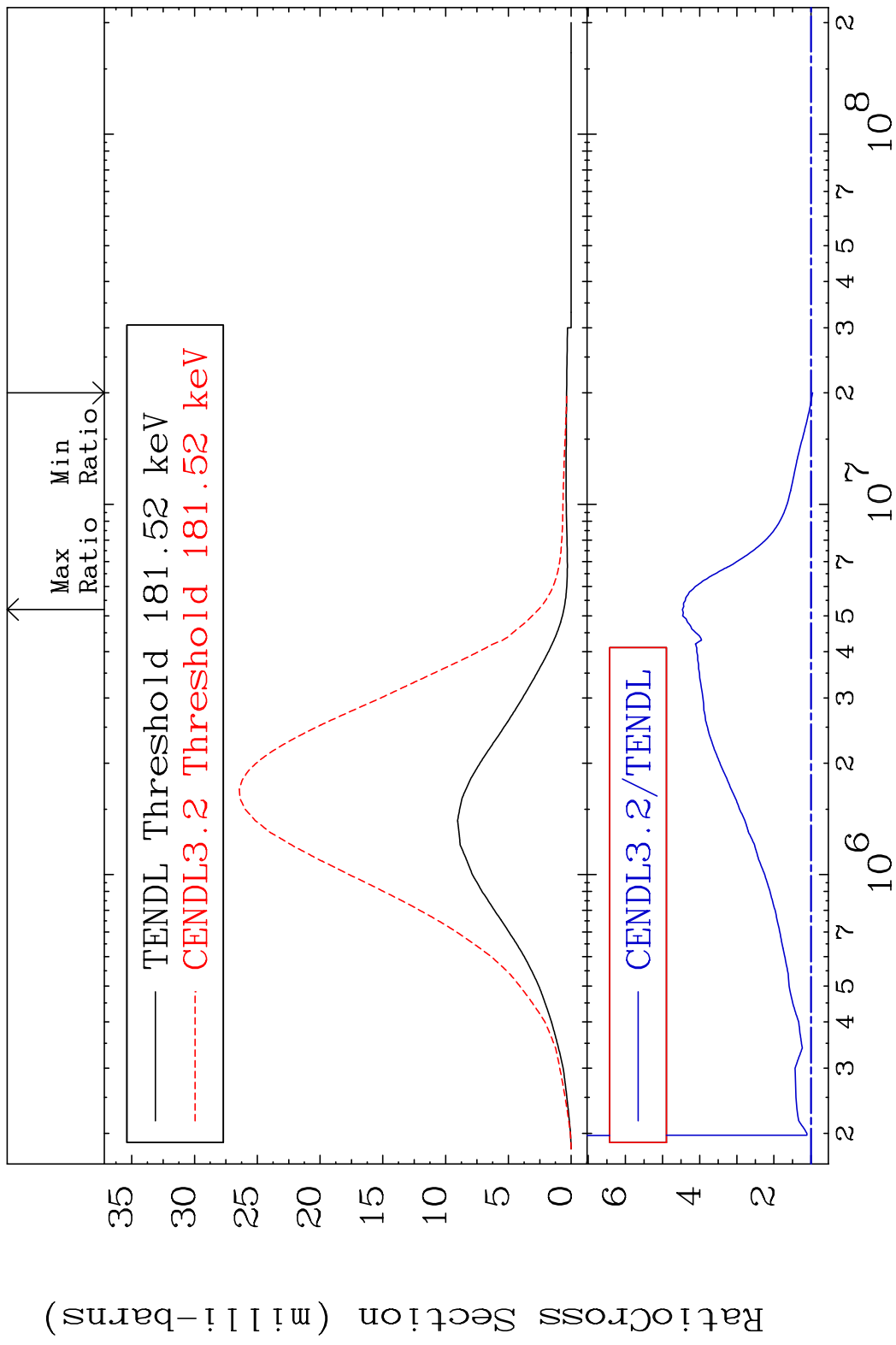
MAT 5134 MT= 58 (n,n') Level 51-Sb-124
 Cross Section -54.61 To 9999. %



MAT 5134 MT= 59 (n,n') Level 51-Sb-124
 Cross Section 114.2 To 9999. %



MAT 5134 MT= 60 (n, n') Level 51-Sb-124
 Cross Section -4.122 To 346.6 %

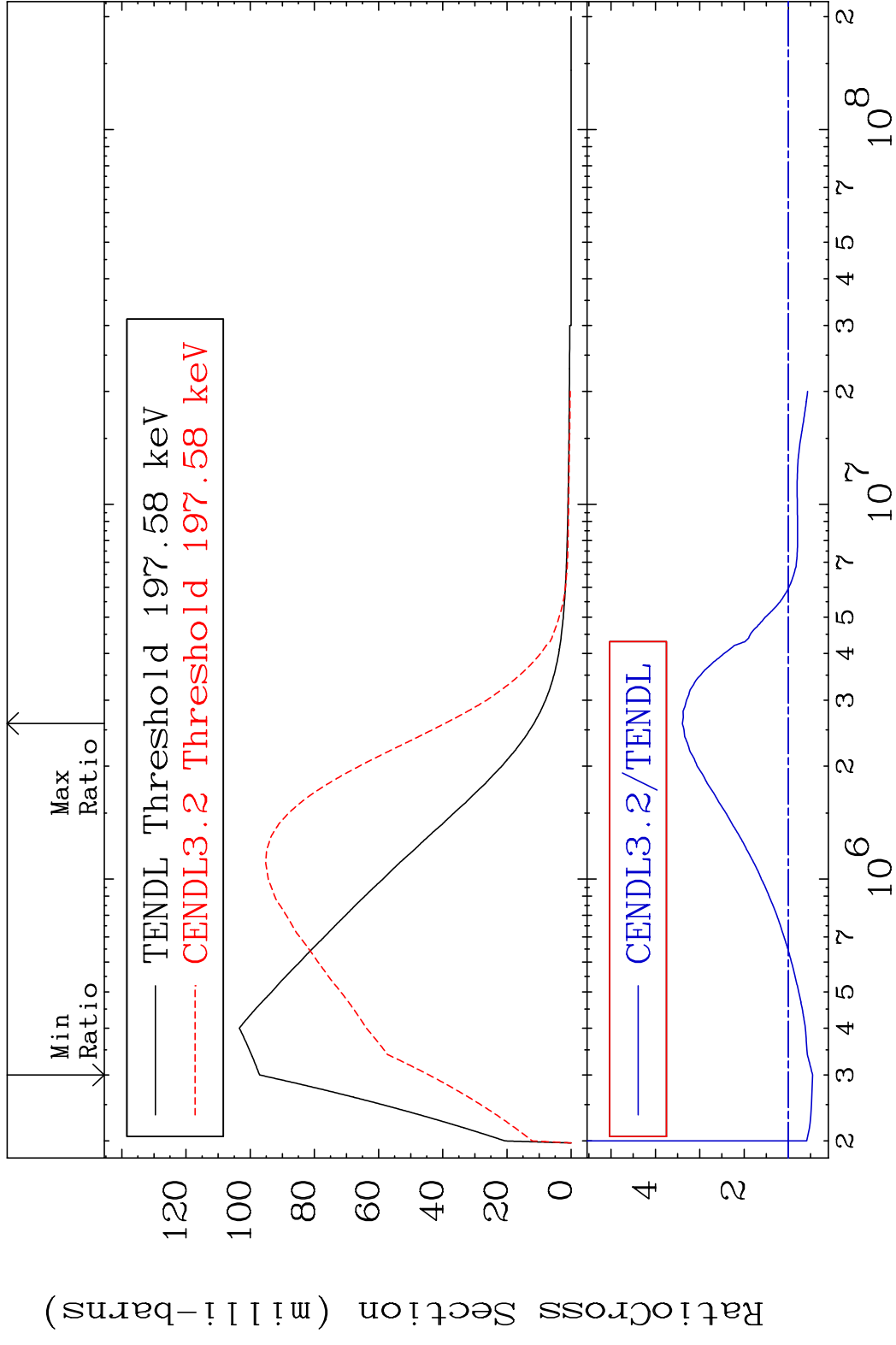


MAT 5134

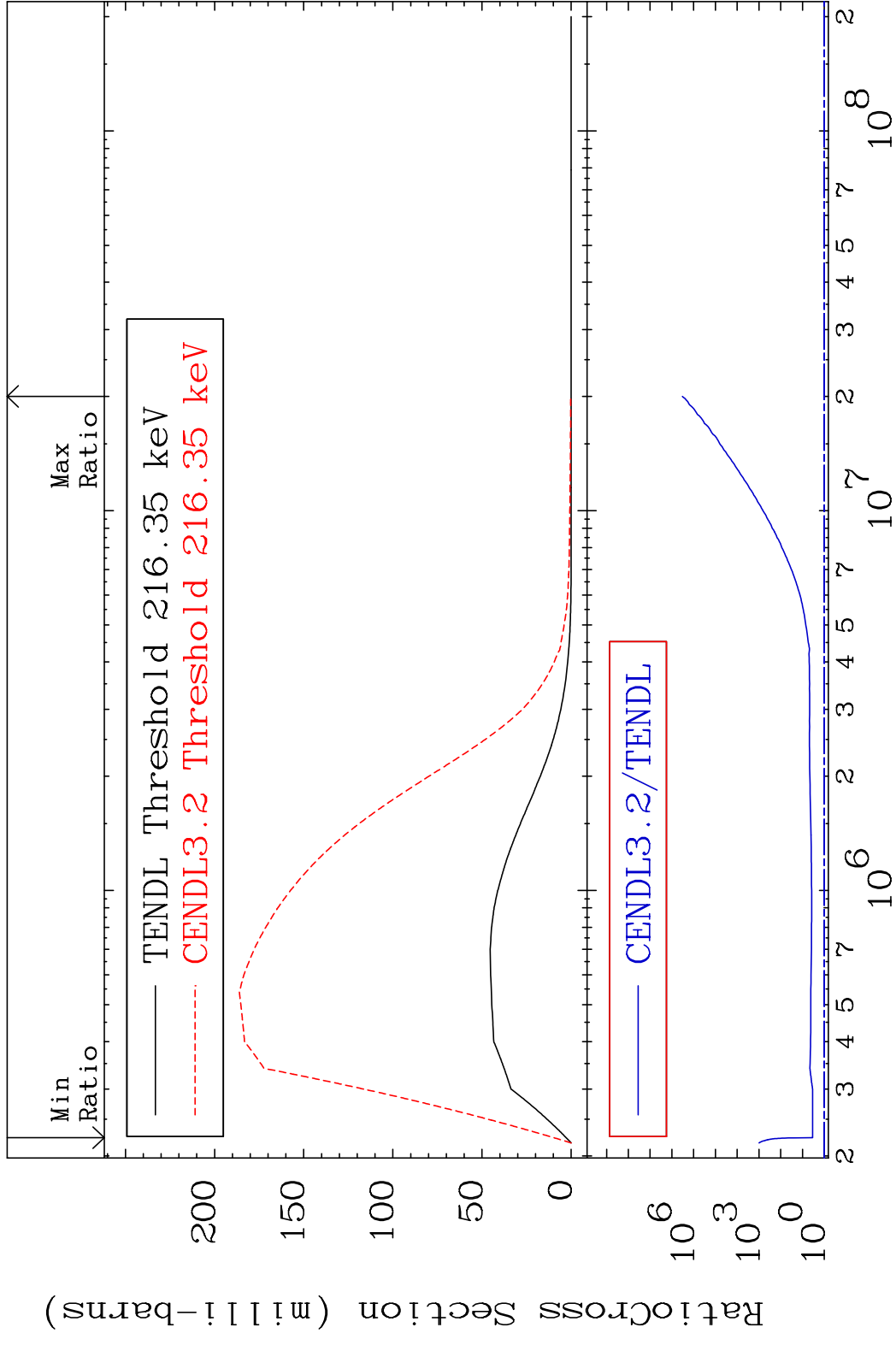
MT= 61 (n, n') Level

51-Sb-124

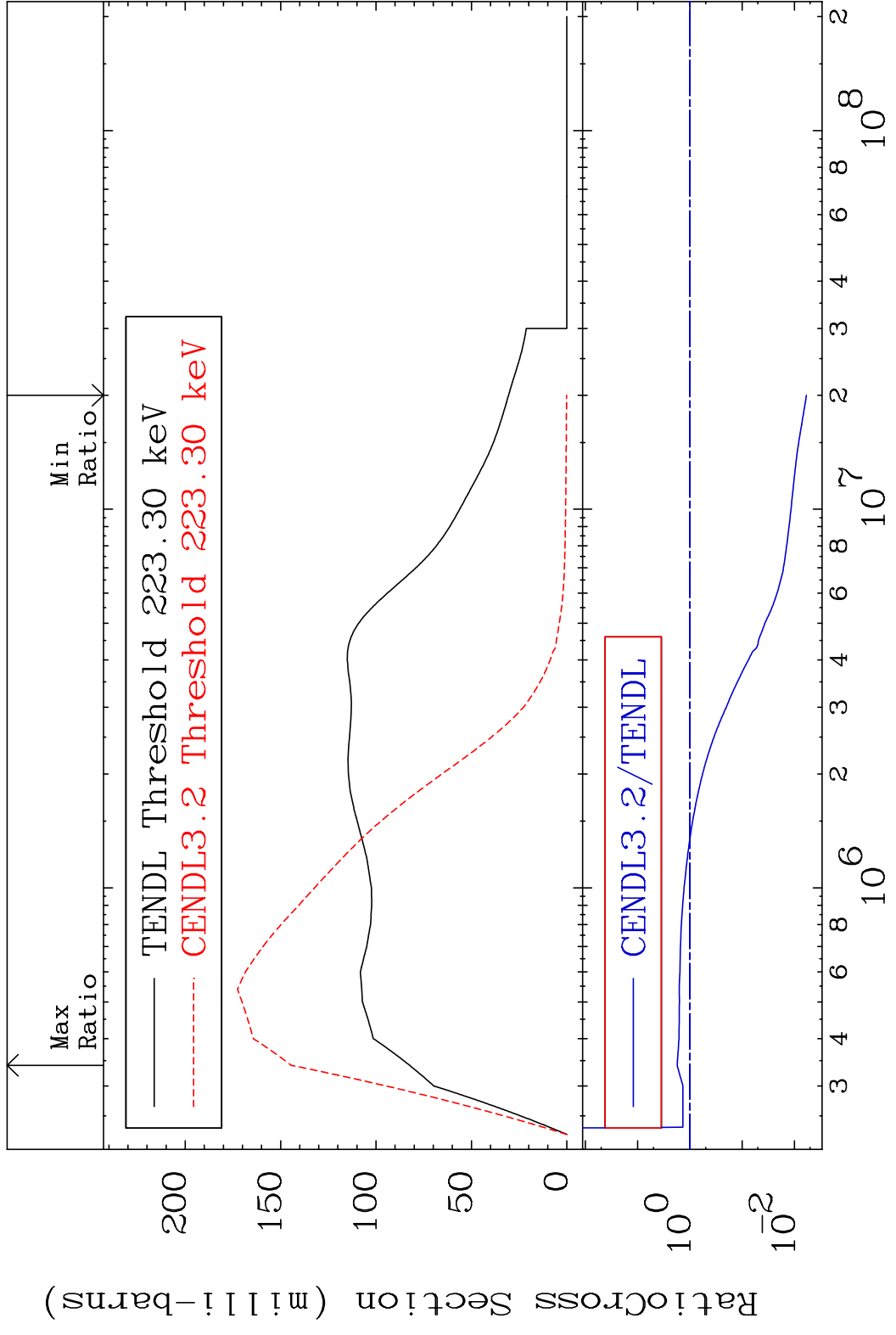
Cross Section -54.37 To 239.2 %



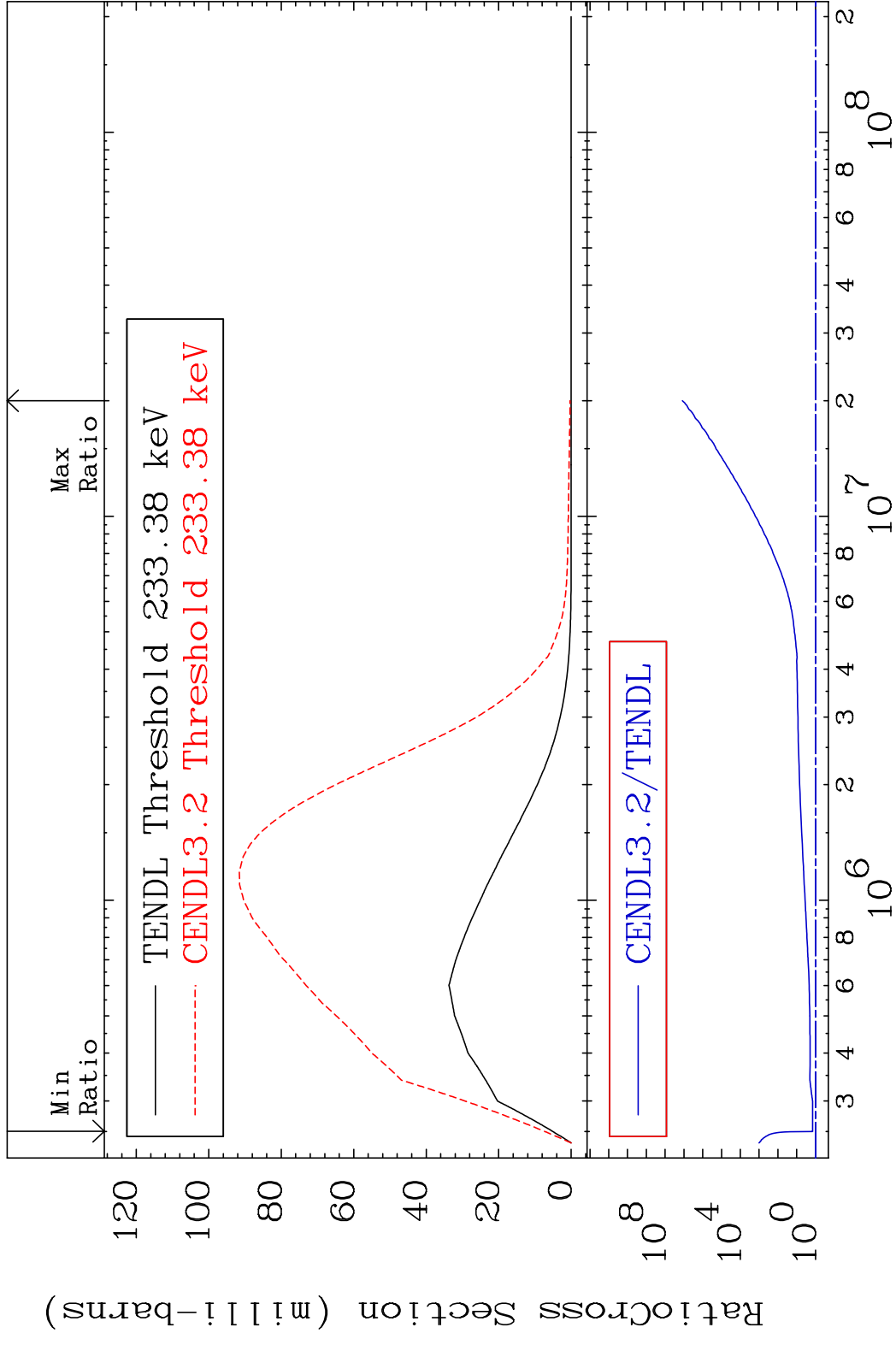
MAT 5134 MT= 62 (n,n') Level 51-Sb-124
 Cross Section 245.2 To 9999. %



MAT 5134 MT= 63 (n, n') Level 51-Sb-124
 Cross Section -99.41 To 75.19 %



MAT 5134 MT= 64 (n,n') Level 51-Sb-124
 Cross Section 43.80 To 9999. %



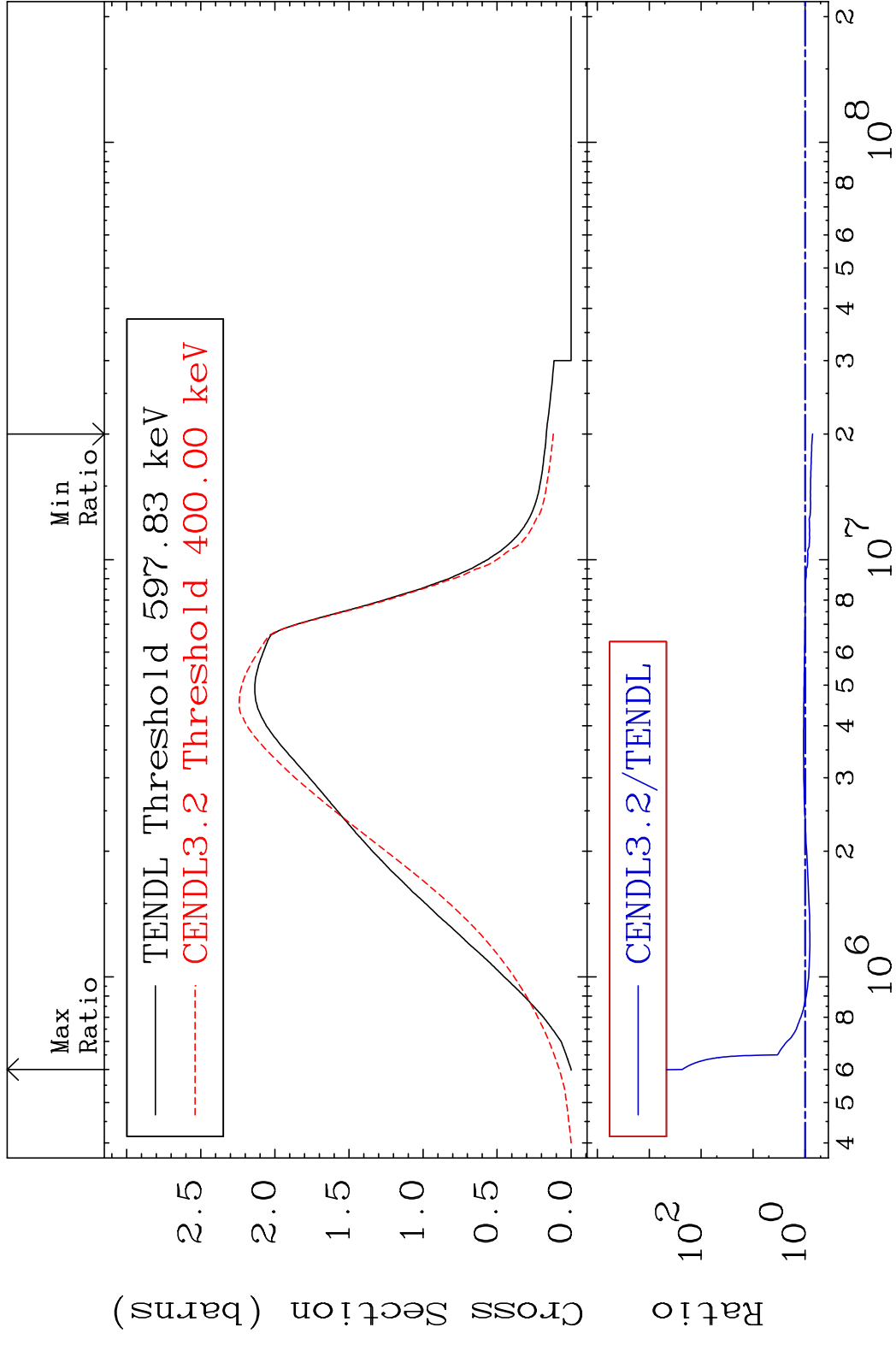
MAT 5134

(n, n') Continuum

51-Sb-124

Cross Section

-28.53 To 9999. %

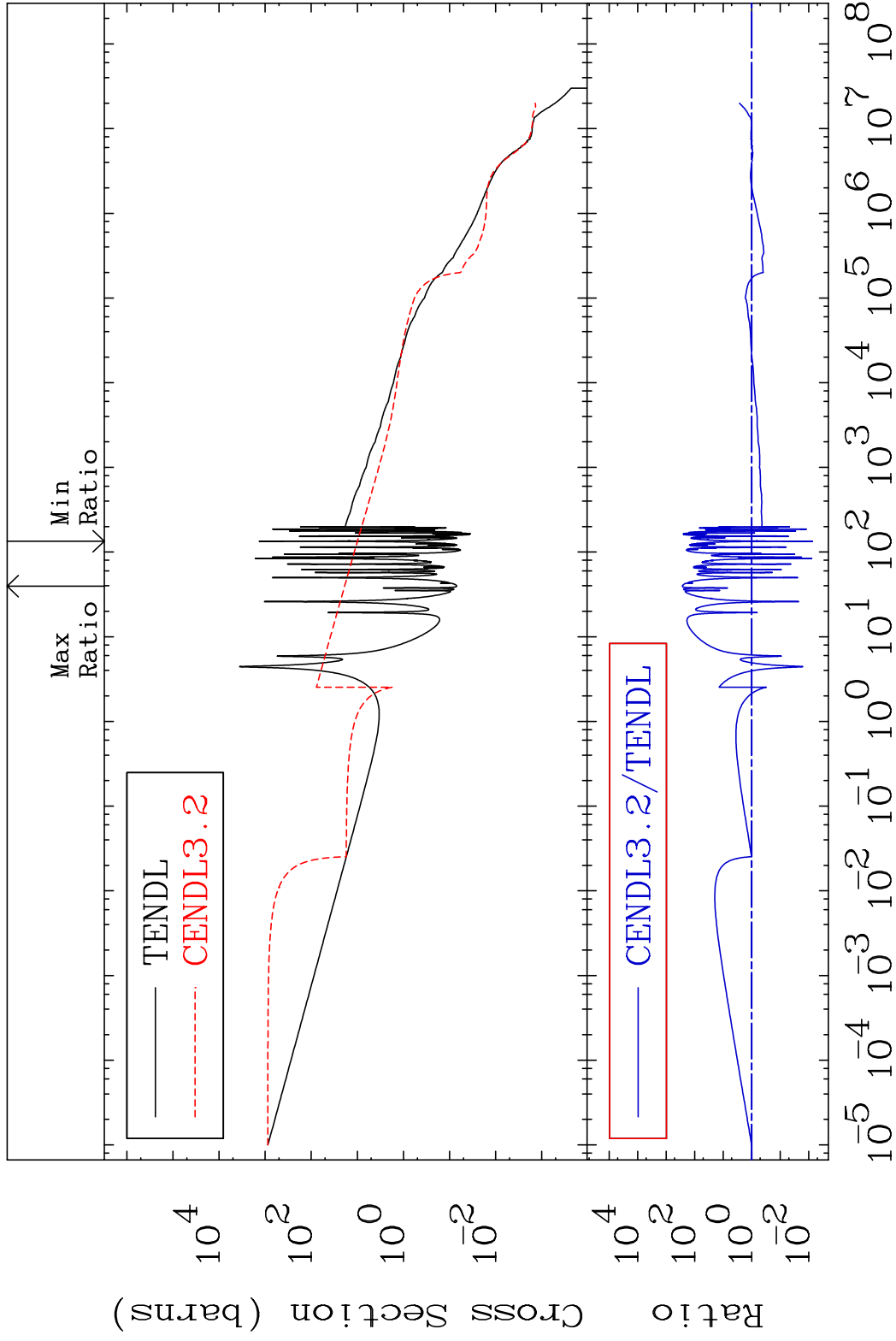


MAT 5134

(n, γ)

51-Sb-124

Cross Section -99.27 To 9999. %



23

Incident Energy (eV)

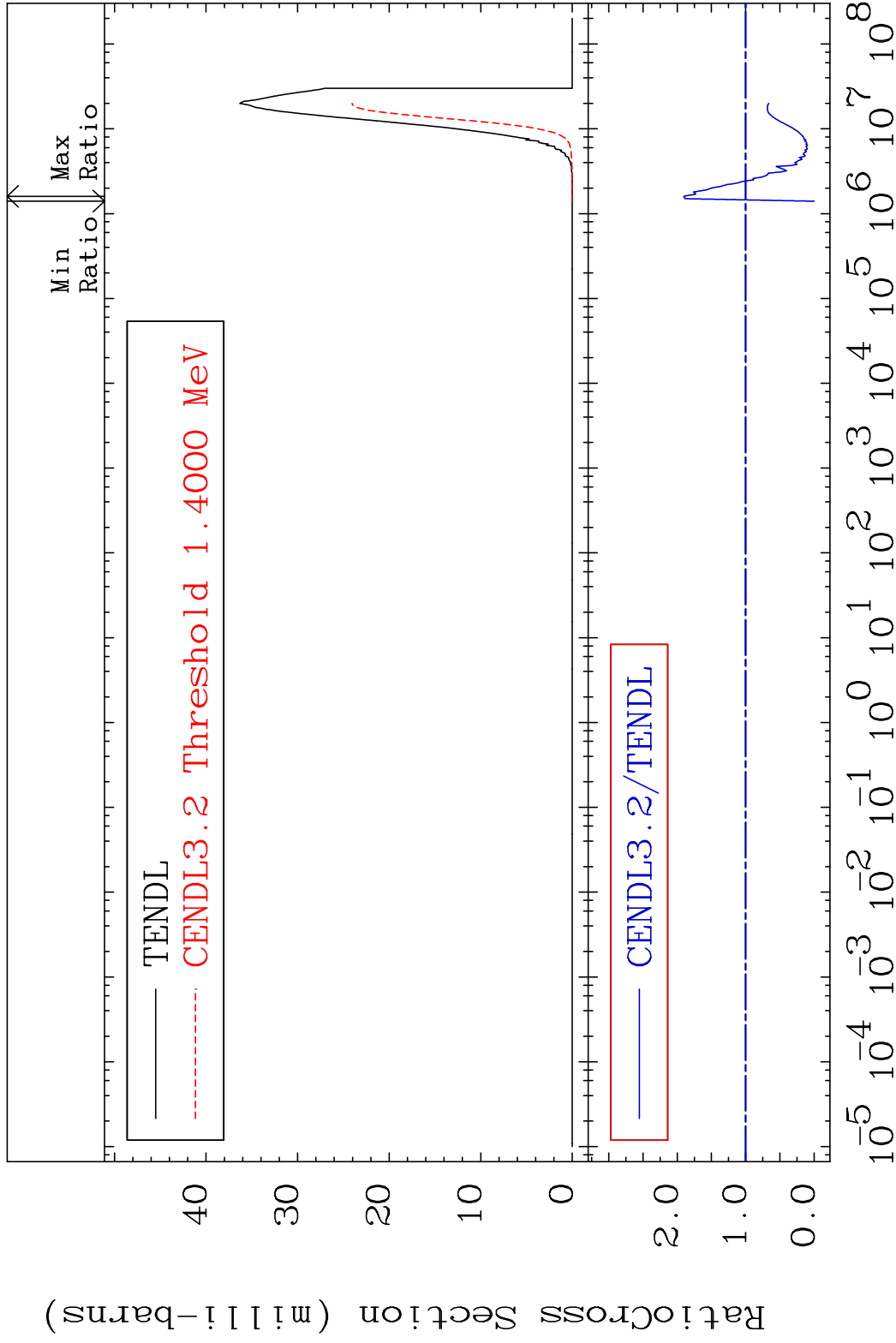
51-Sb-124

MAT 5134

(n, p)

51-Sb-124

Cross Section -100.0 To 90.59 %



24

Incident Energy (eV)

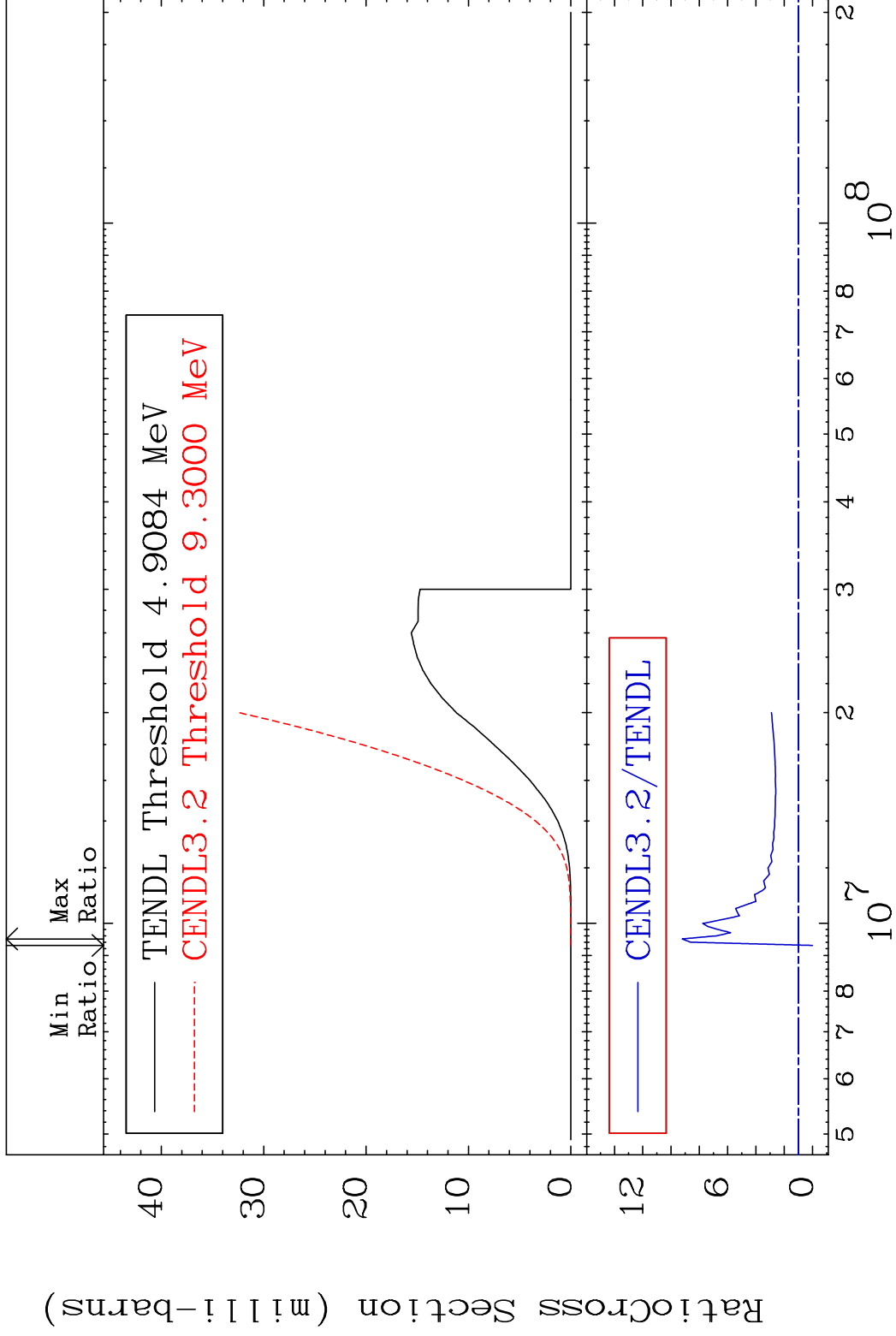
51-Sb-124

MAT 5134

(n,d)

51-Sb-124

Cross Section -100.0 To 821.6 %



25

Incident Energy (eV)

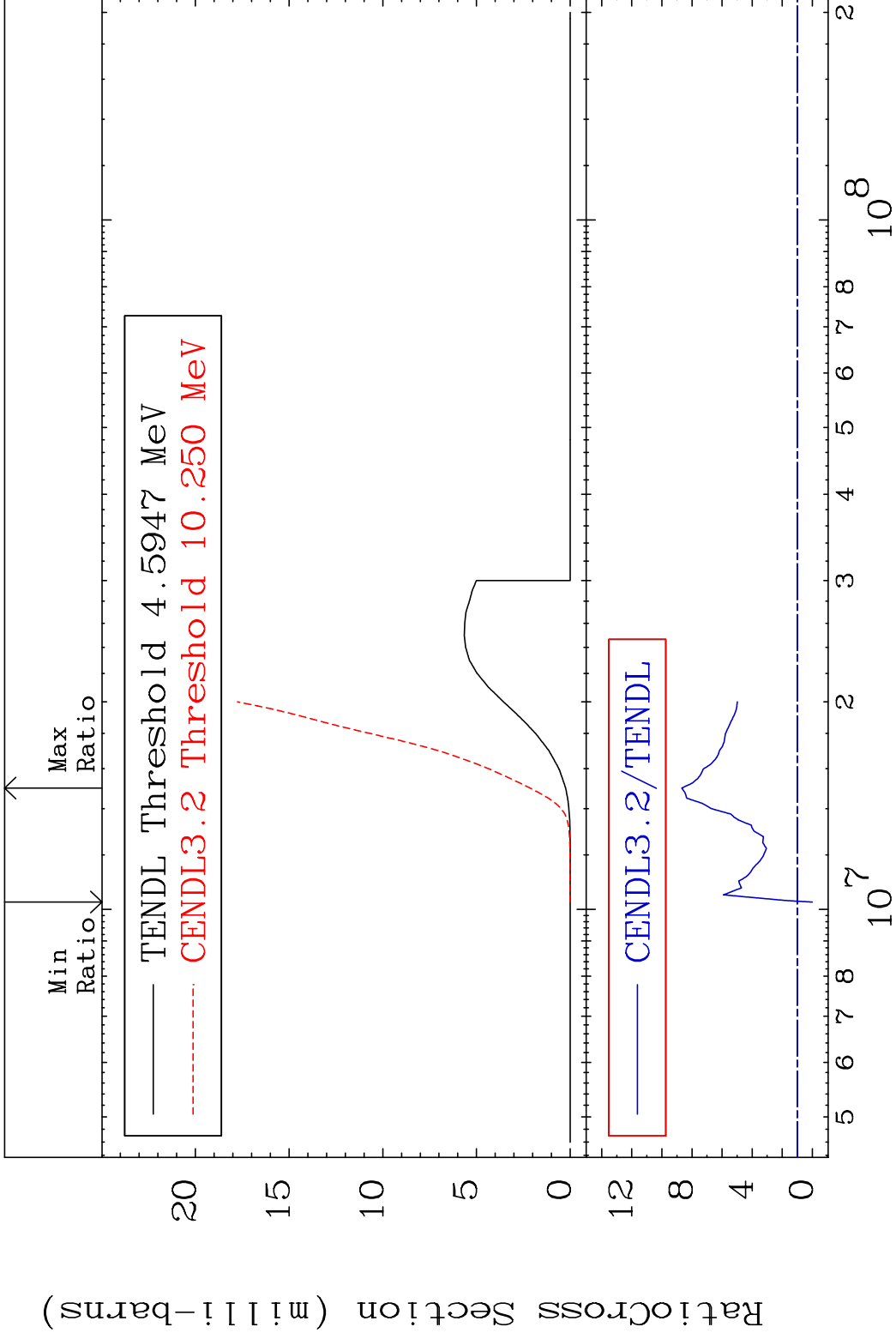
51-Sb-124

MAT 5134

(n, t)

51-Sb-124

Cross Section -100.0 To 768.0 %



26

Incident Energy (eV)

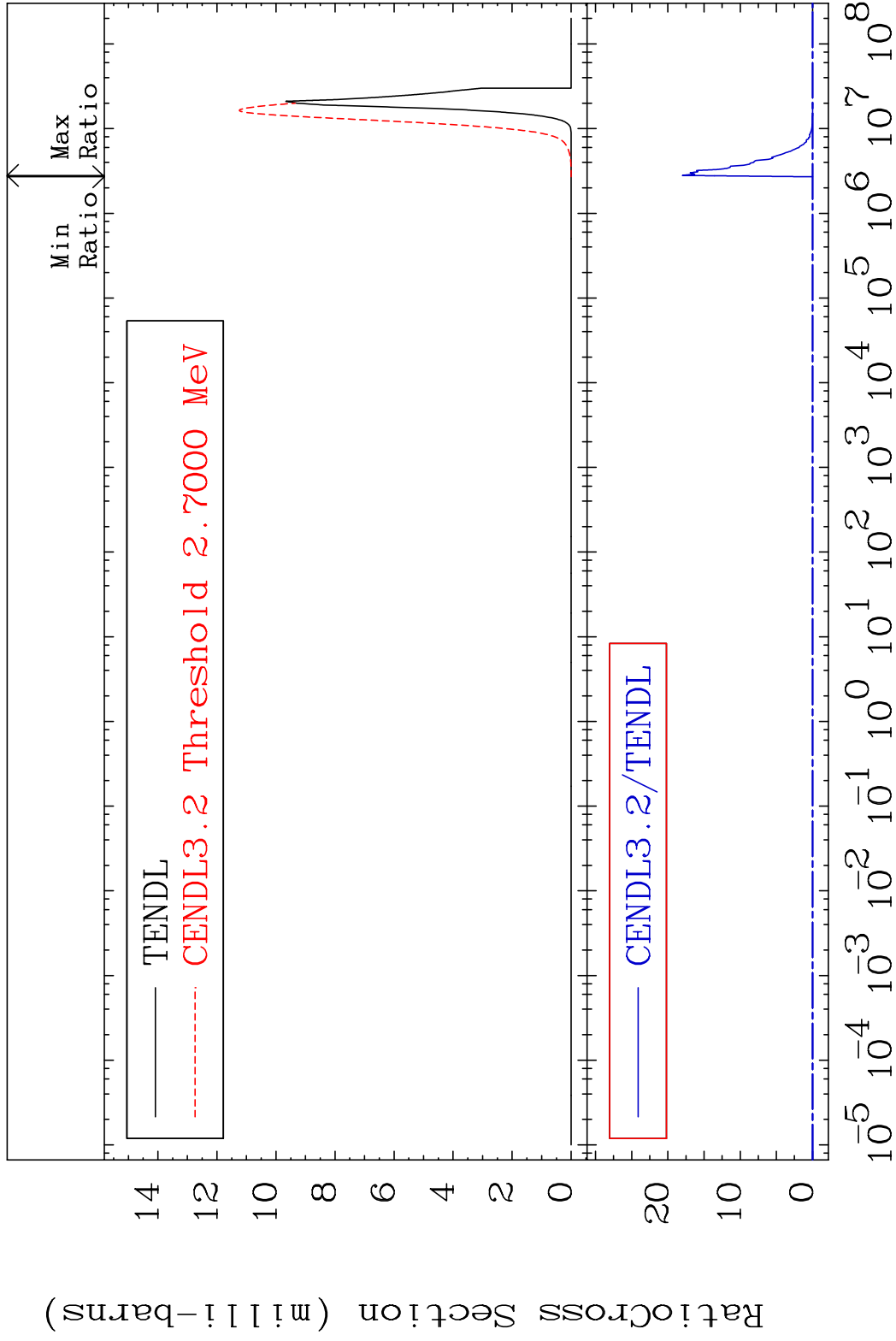
51-Sb-124

MAT 5134

(n, α)

51-Sb-124

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

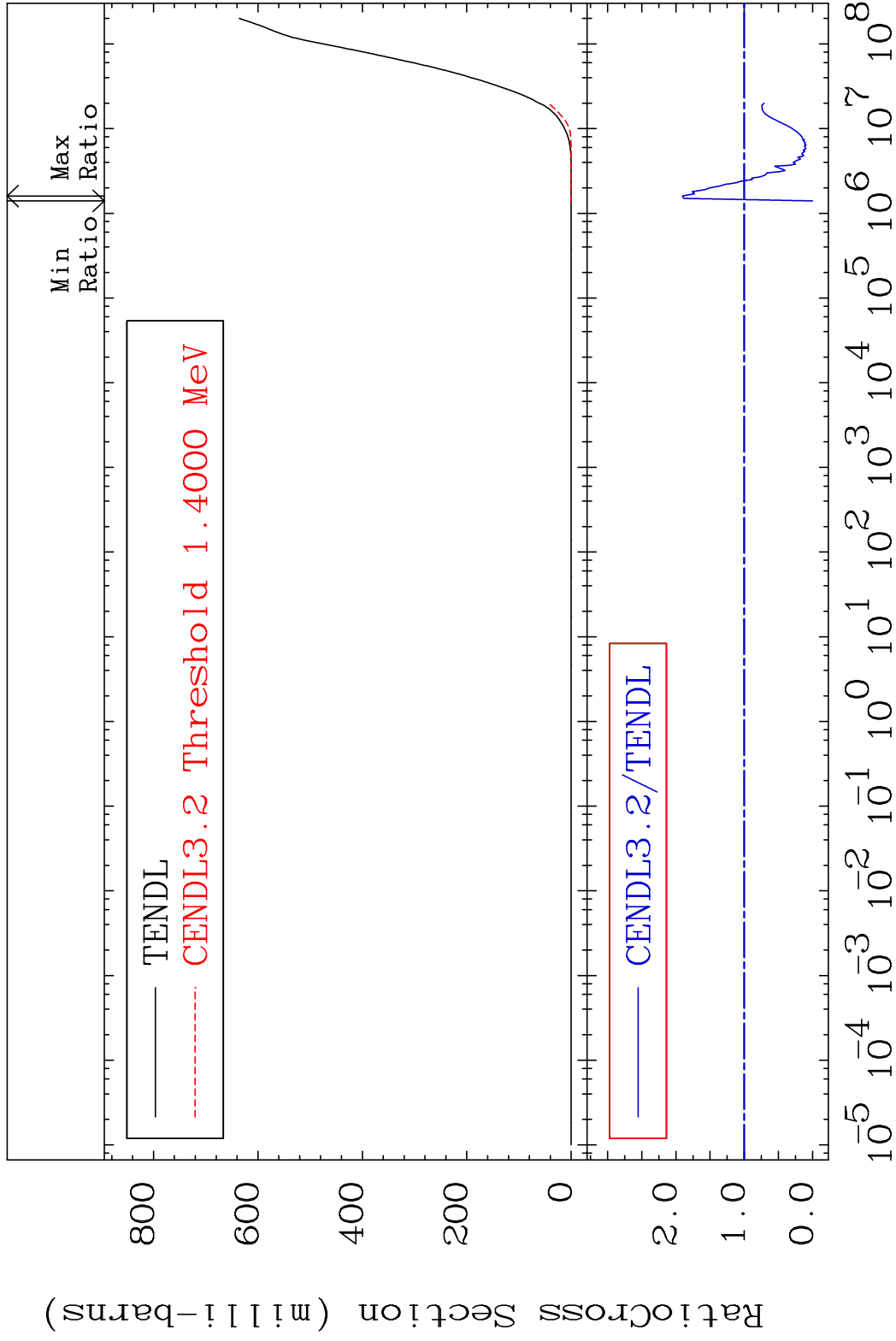
51-Sb-124

MAT 5134

Hydrogen Production

51-Sb-124

Cross Section -100.0 To 90.59 %



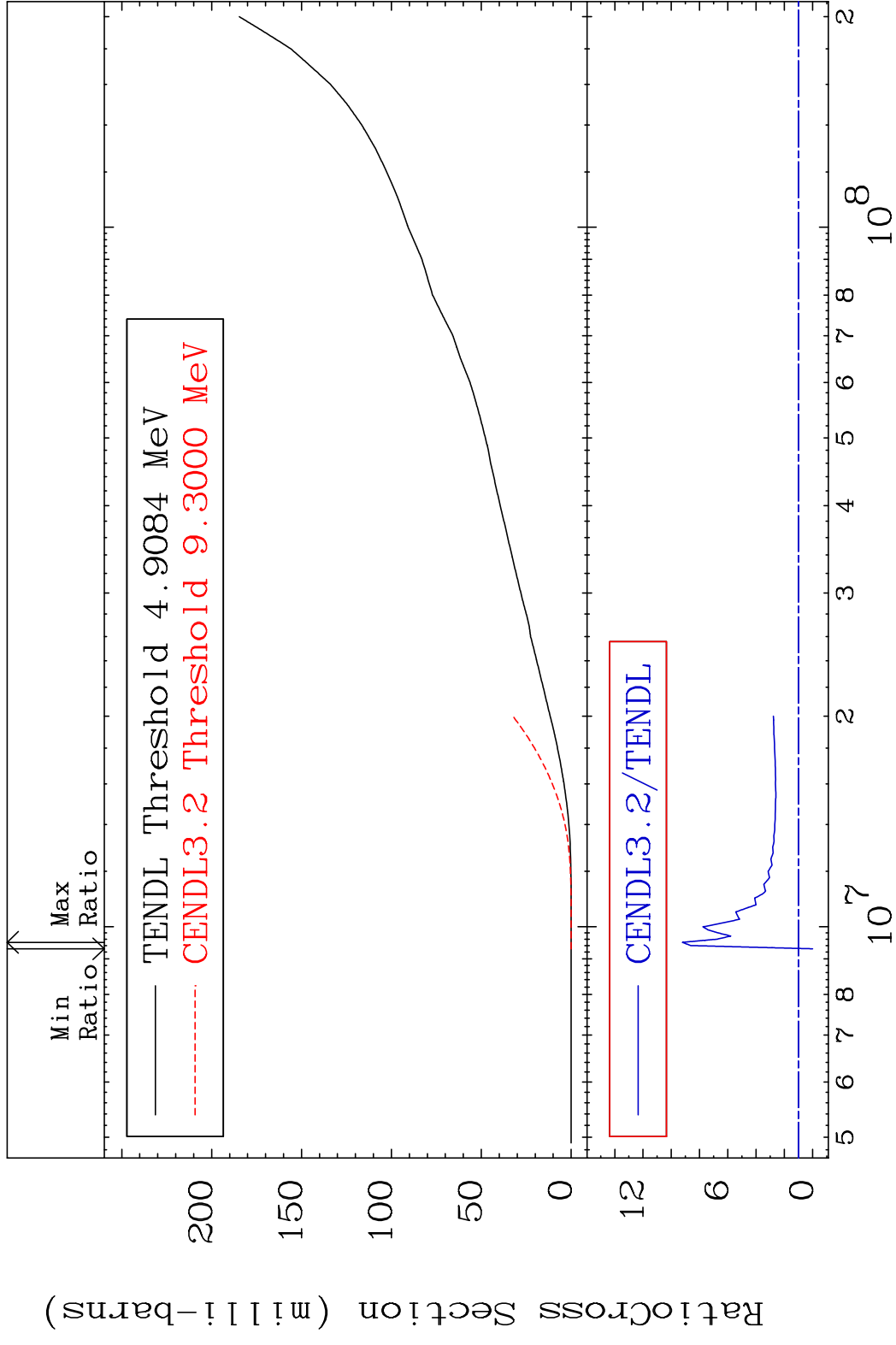
28

Incident Energy (eV)

51-Sb-124

MAT 5134

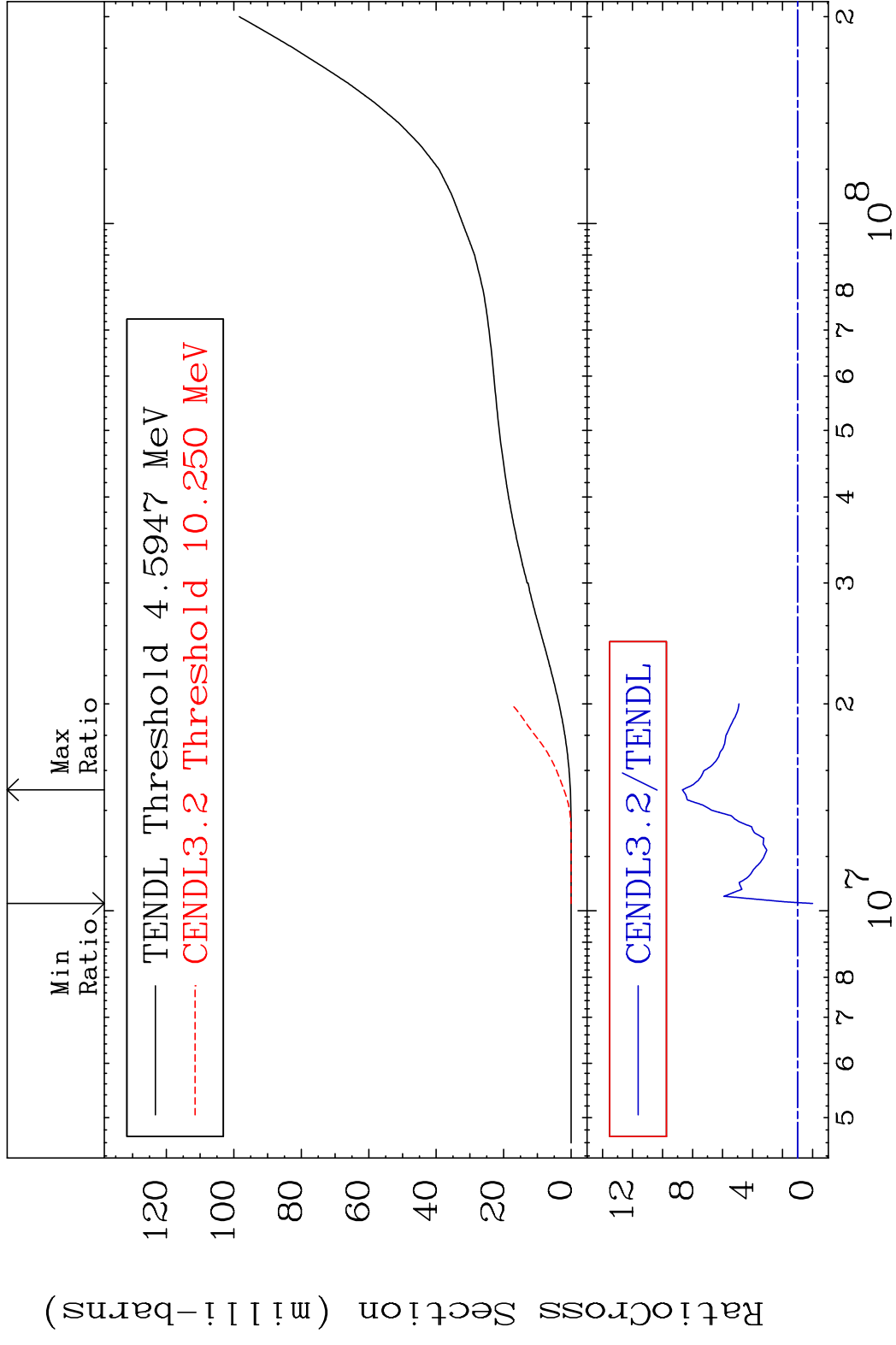
Deuterium Production 51-Sb-124
Cross Section -100.0 To 821.6 %



MAT 5134

Tritium Production 51-Sb-124

Cross Section -100.0 To 768.0 %

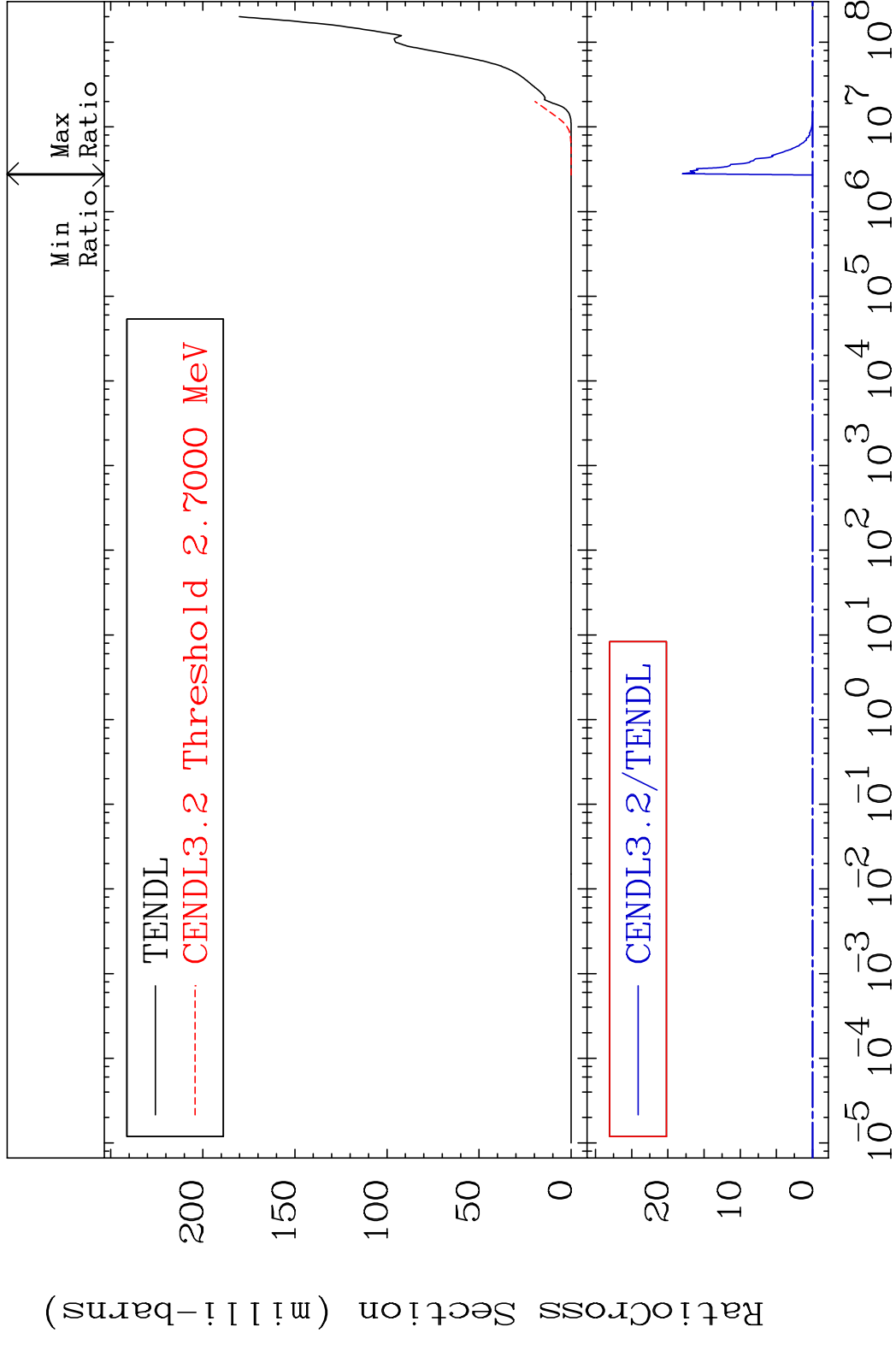


MAT 5134

He-4 Production

51-Sb-124

Cross Section -100.0 To 9999. %

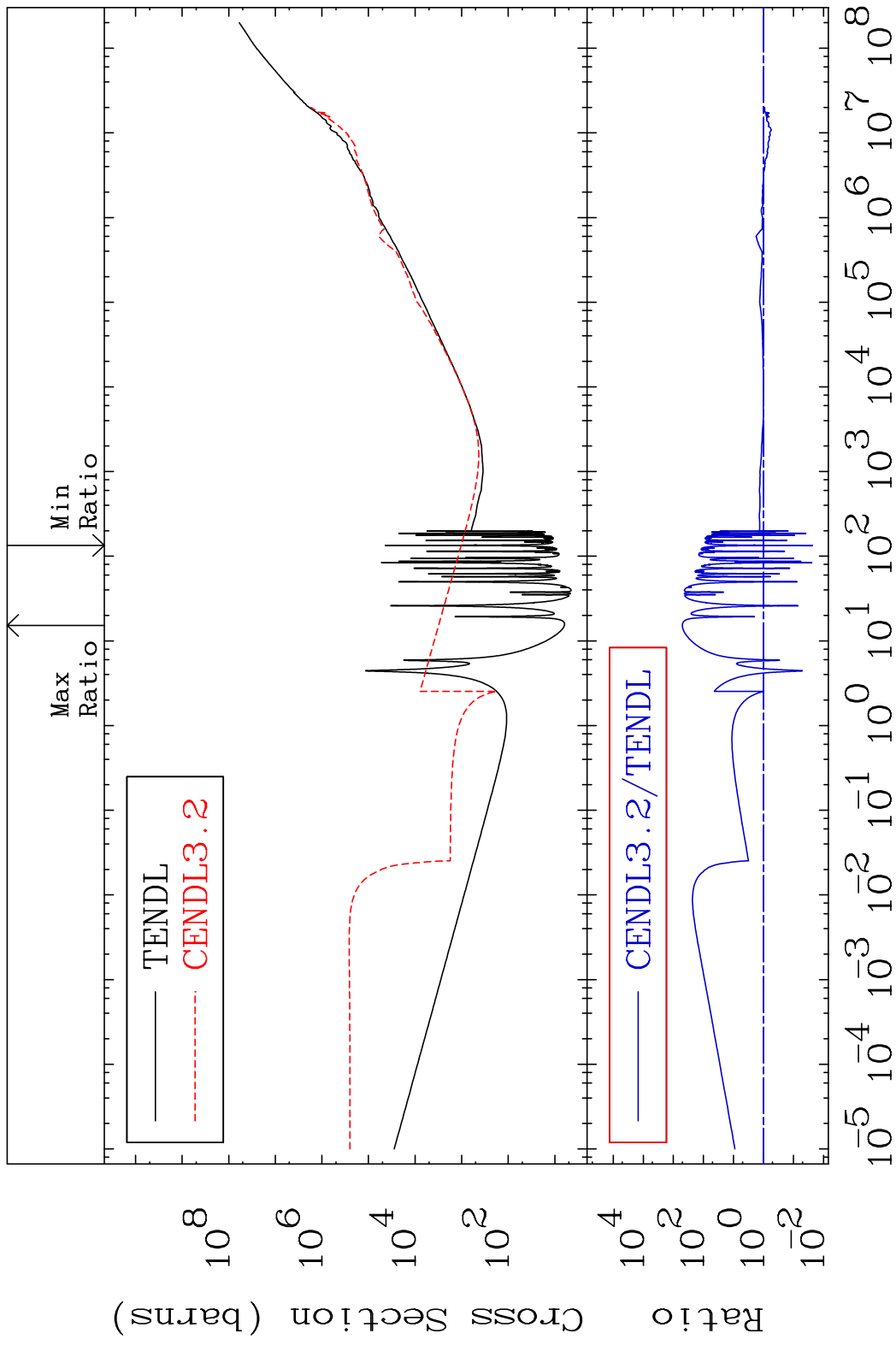


31

Incident Energy (eV)

51-Sb-124

MAT 5134 Kerma total (eV-barns) 51-Sb-124
 Cross Section -97.67 To 9999. %

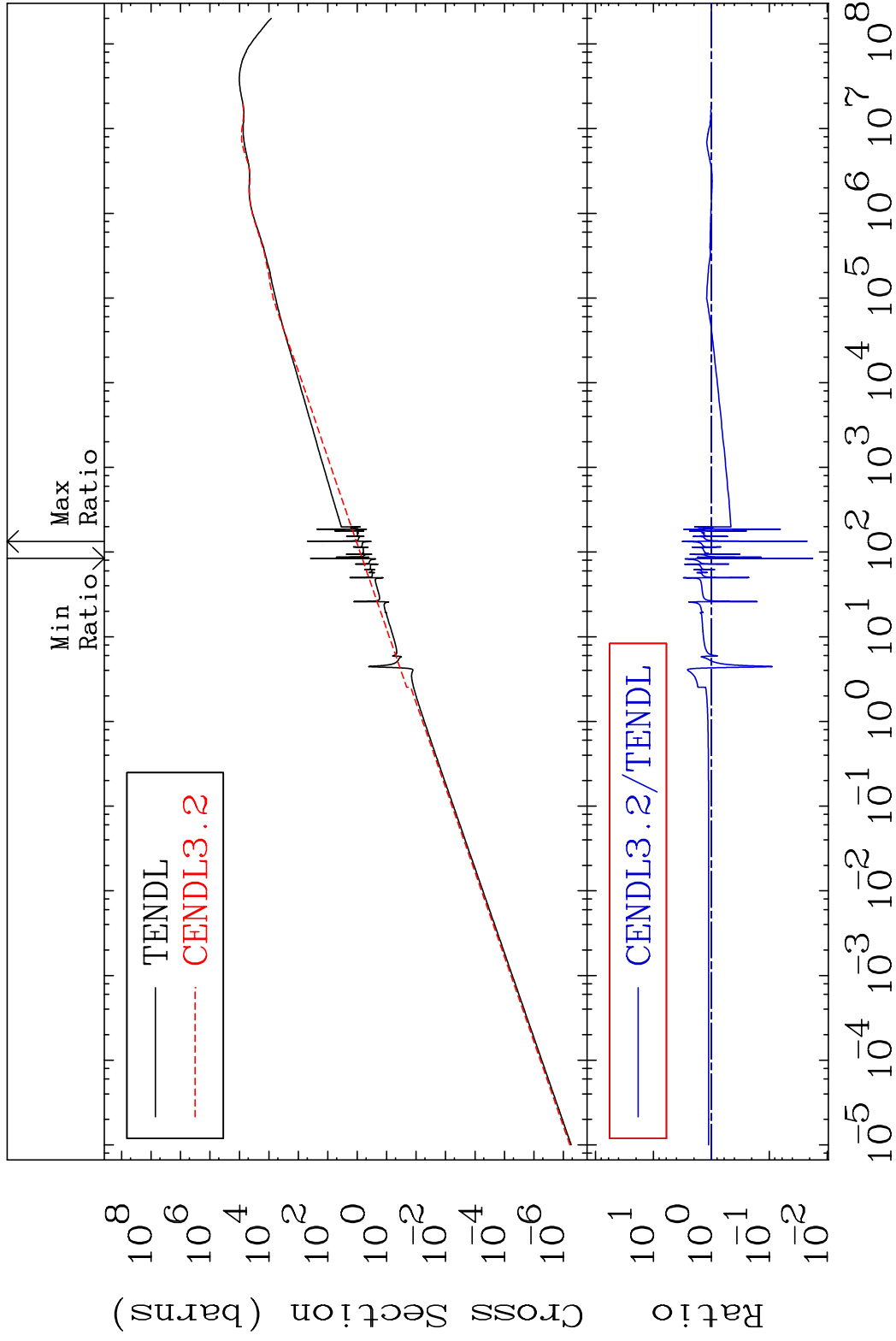


32 Incident Energy (eV) 51-Sb-124

MAT 5134

Kerma elastic
Cross Section

51-Sb-124
-98.22 To 216.6 %

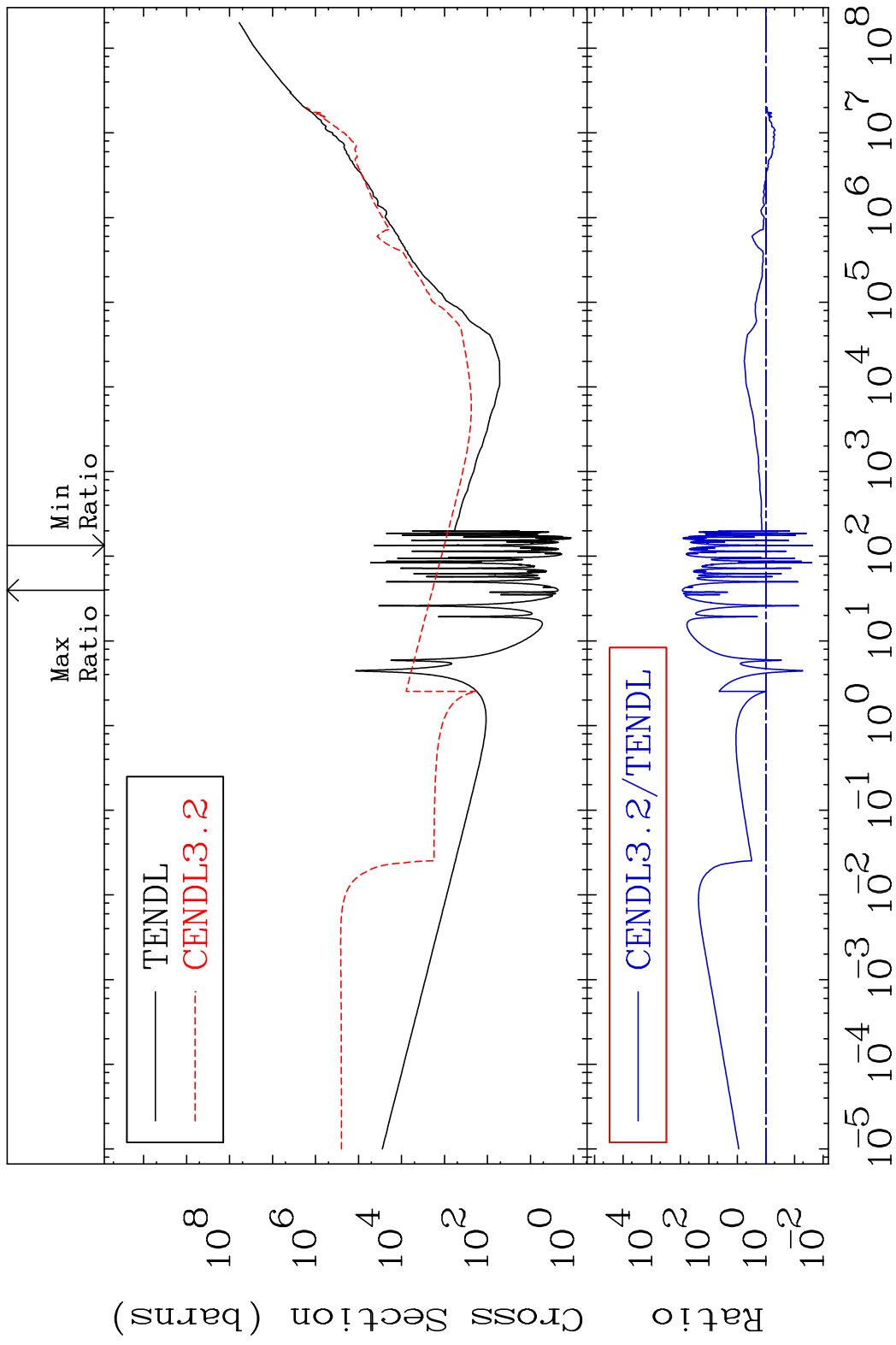


33

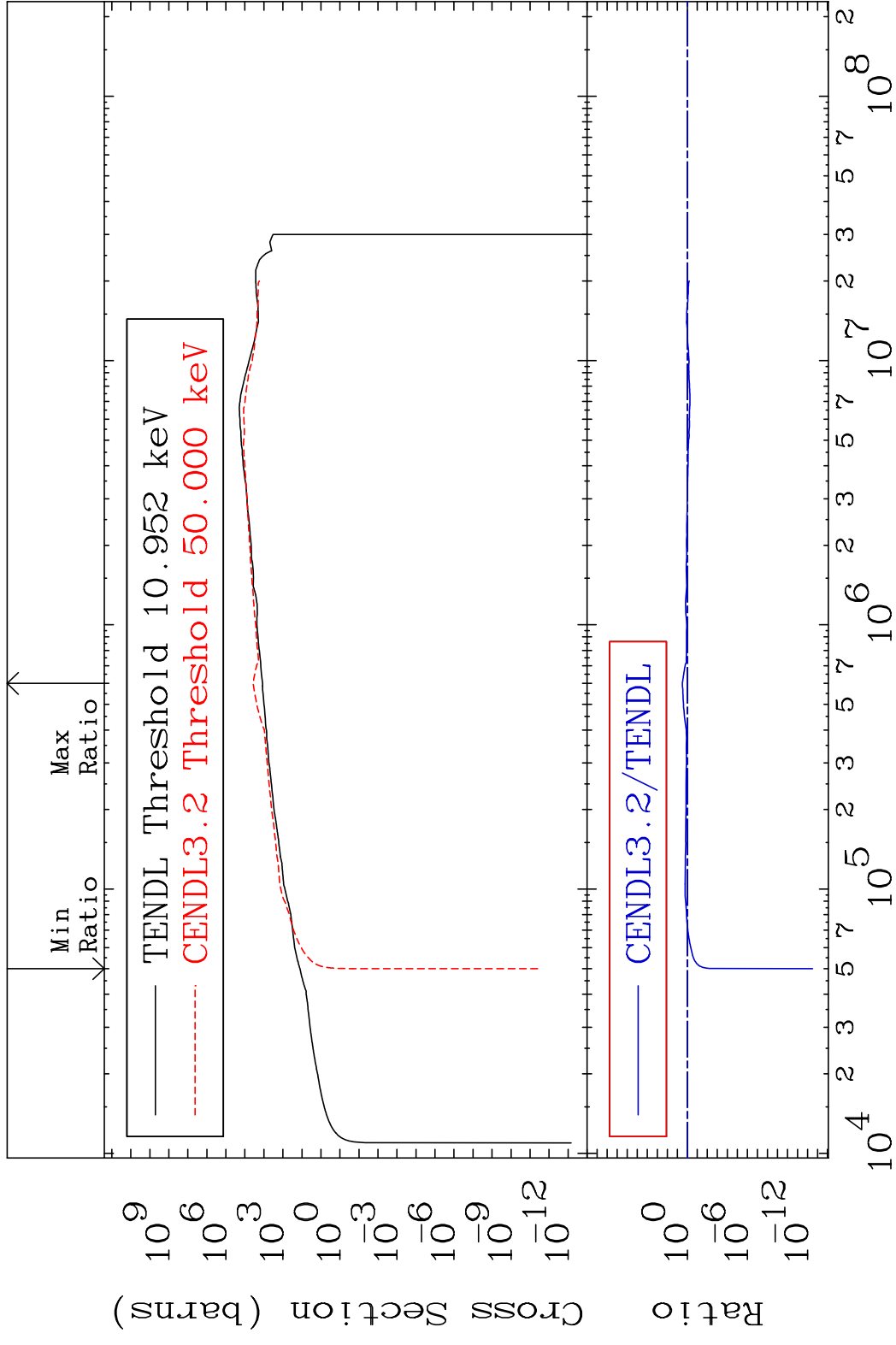
Incident Energy (eV)

51-Sb-124

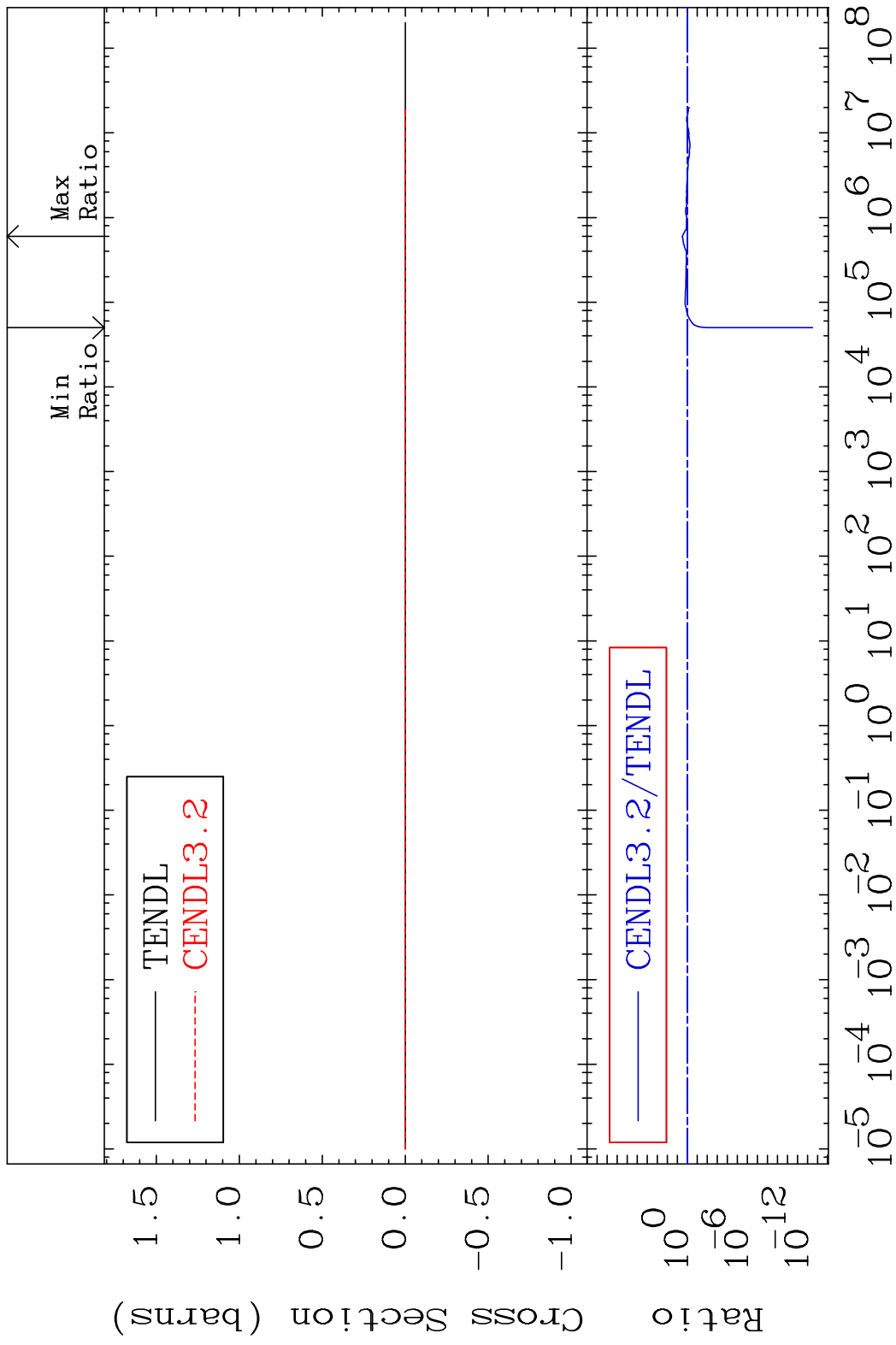
MAT 5134 Kerma non-elastic (all but mt2) 51-Sb-124
 Cross Section -97.67 To 9999. %



MAT 5134 Kerma inelastic (mt51-91) 51-Sb-124
 Cross Section -100.0 To 211.5 %

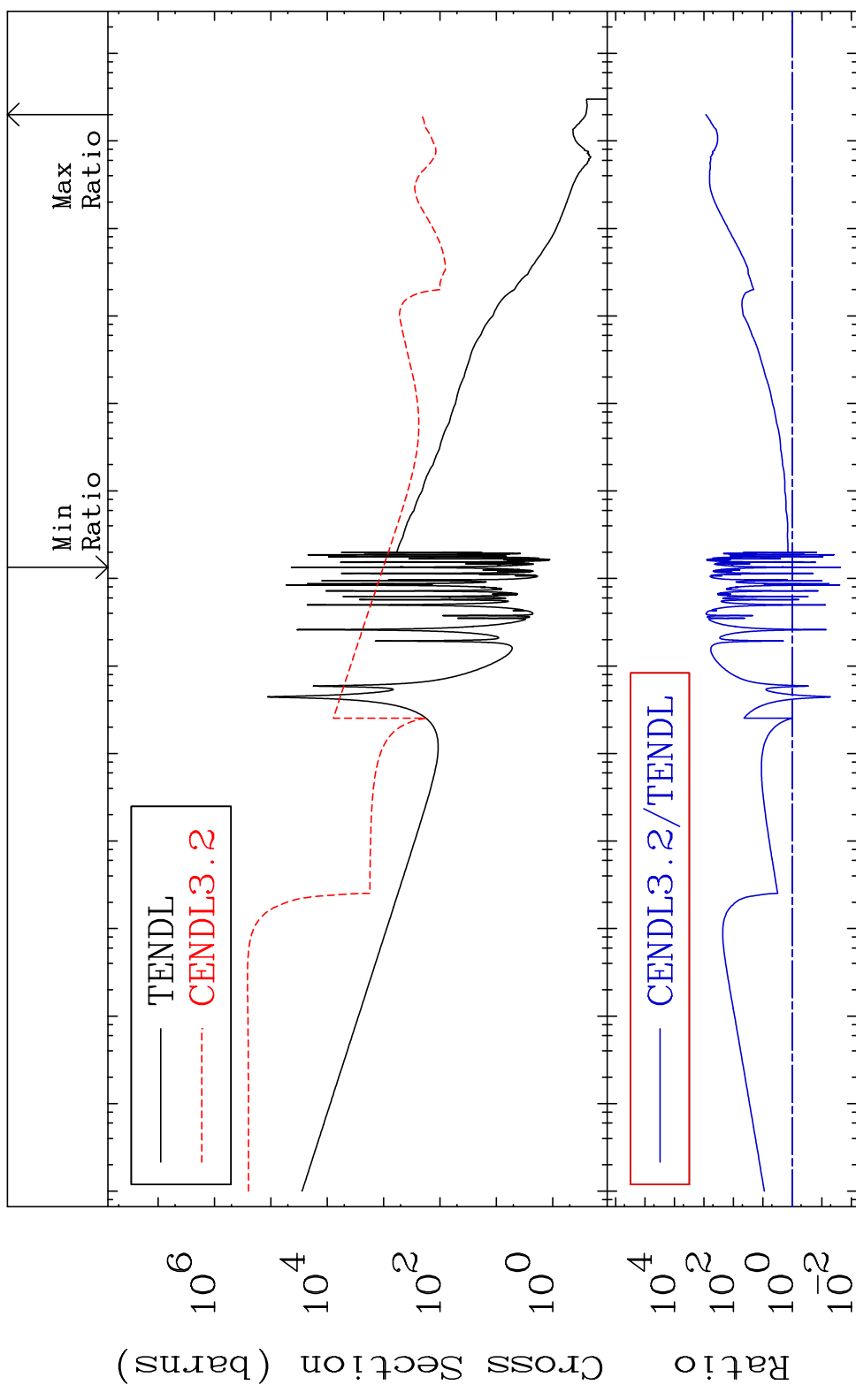


MAT 5134 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-124
 Cross Section -100.0 To 211.5 %

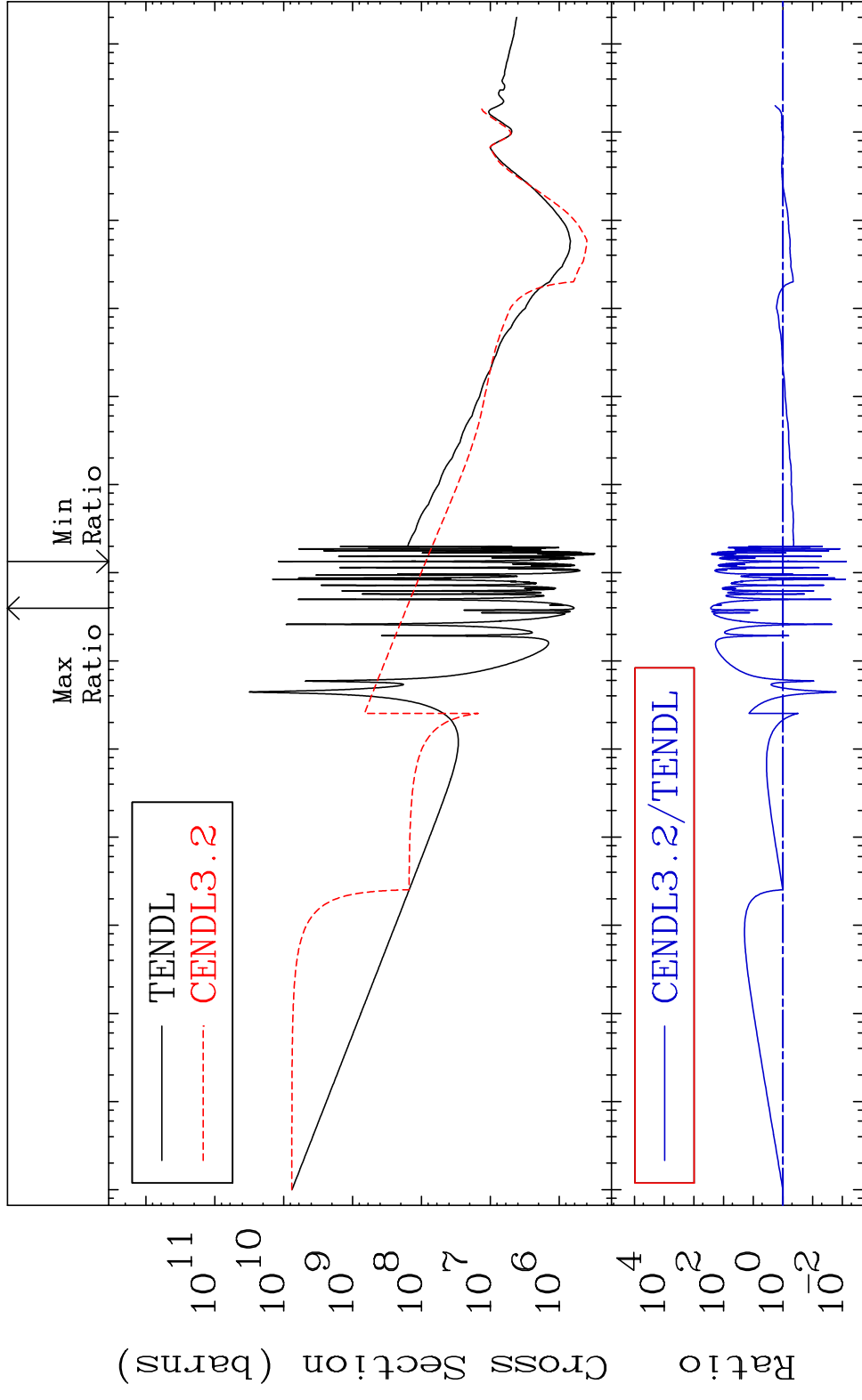


MAT 5134

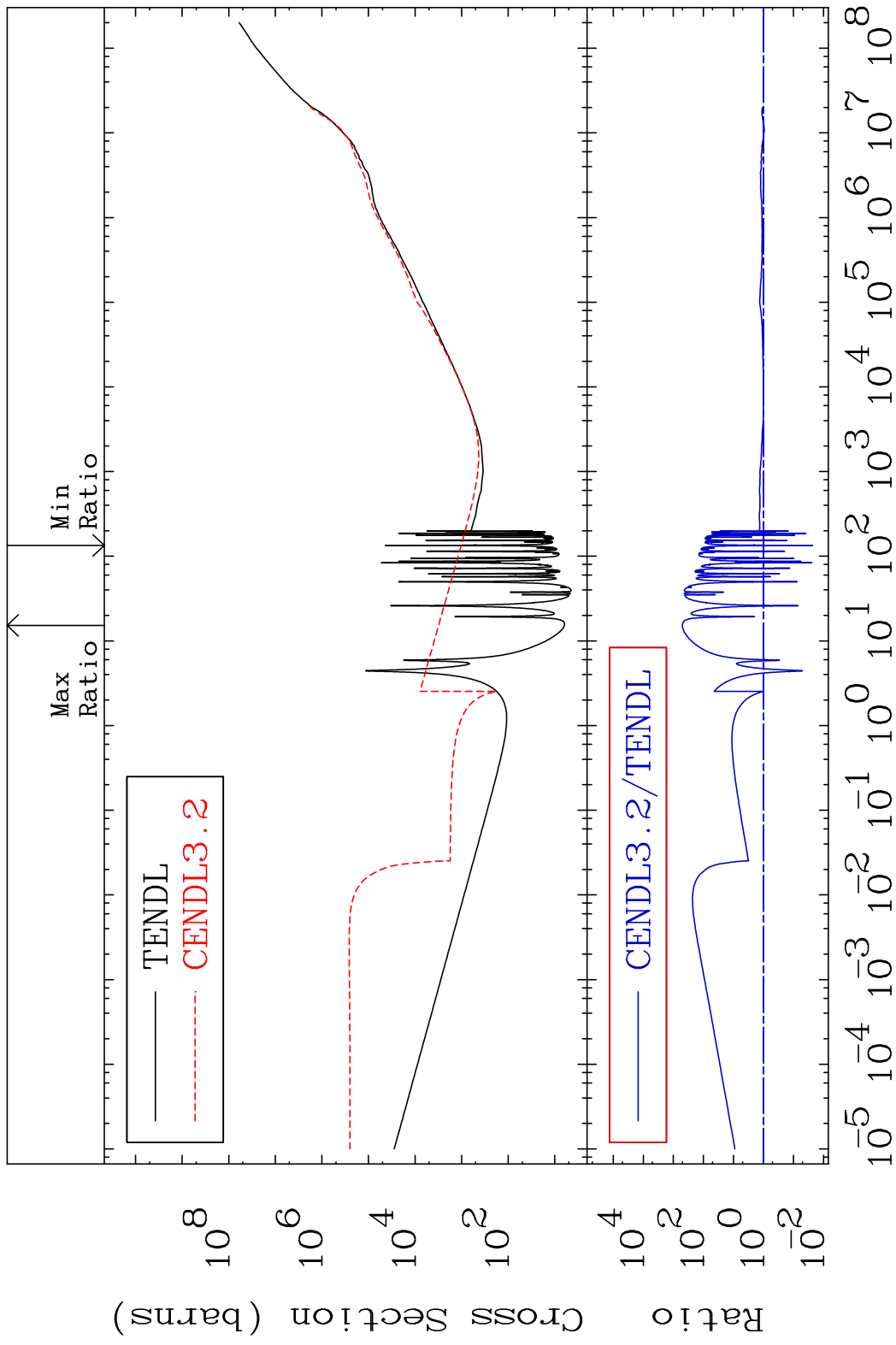
Kerma capture (mt102) 51-Sb-124
Cross Section -97.67 To 9999. %



MAT 5134 Total photon (eV-barns) 51-Sb-124
 Cross Section -99.27 To 9999. %



MAT 5134 Total kinematic kerma (high limit) 51-Sb-124
 Cross Section -97.67 To 9999. %

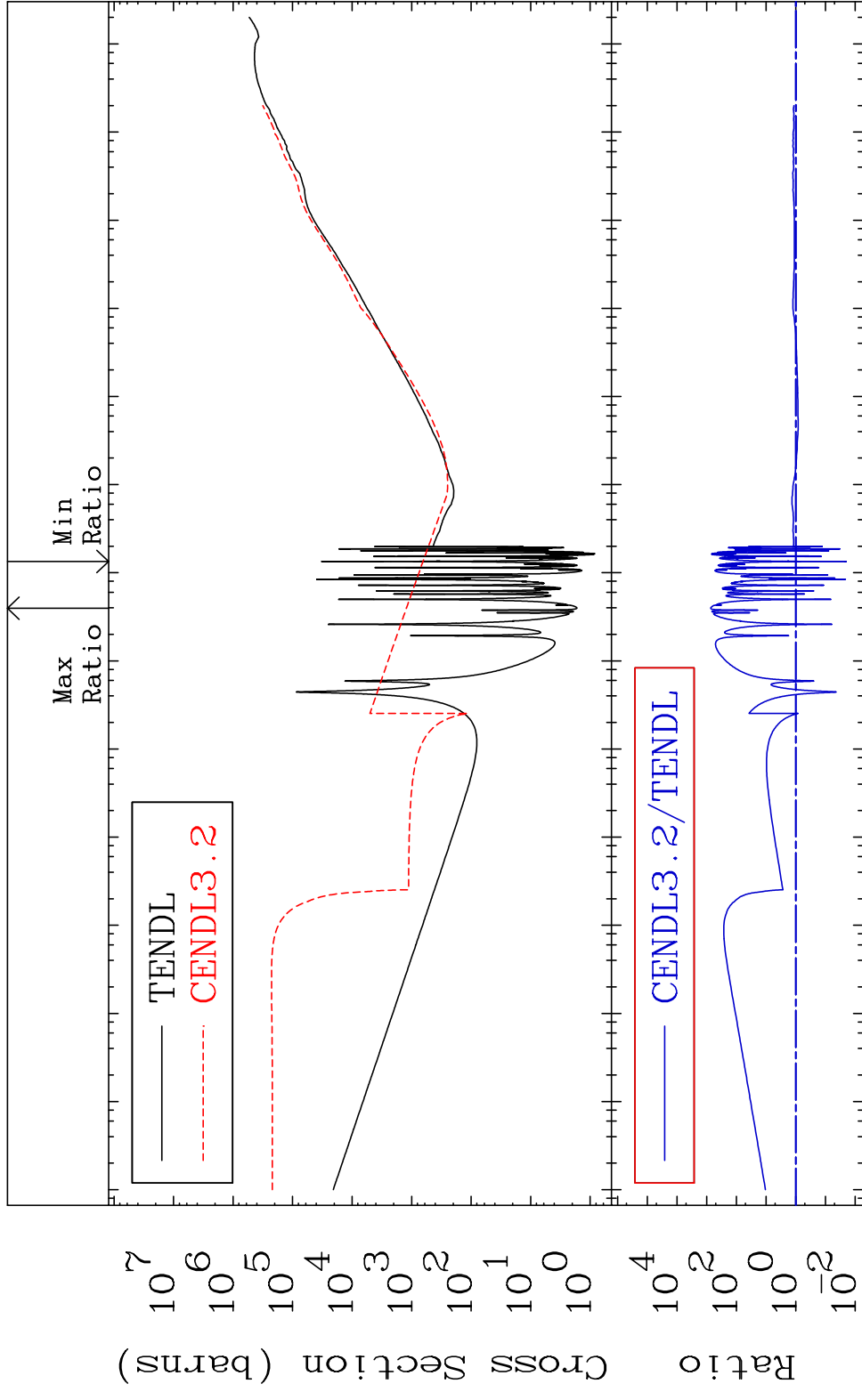


MAT 5134

Dpa total (eV-barns)

51-Sb-124

Cross Section -98.01 To 9999. %



40

Incident Energy (eV)

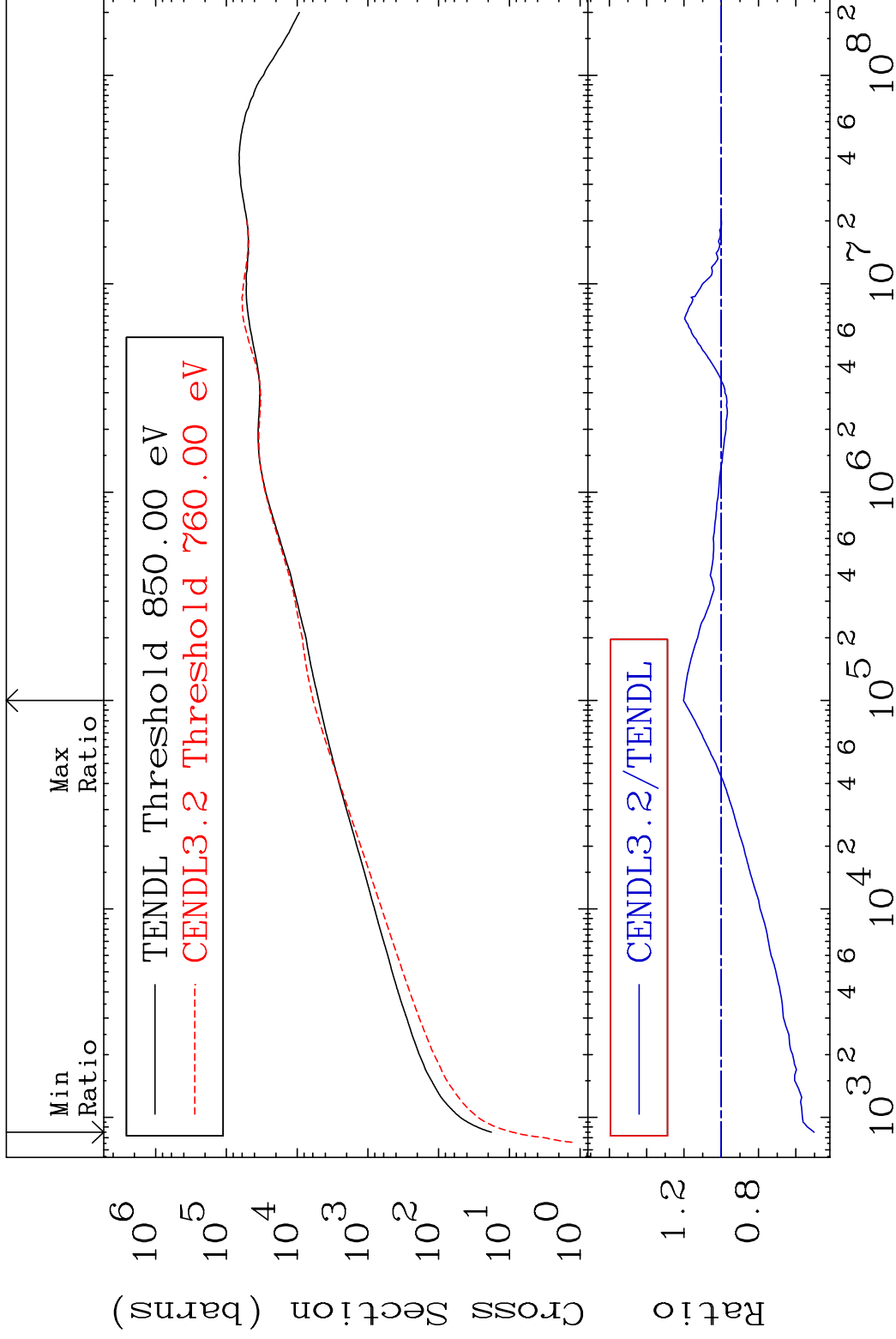
51-Sb-124

MAT 5134

Dpa elastic (mt2)

51-Sb-124

Cross Section -49.74 To 20.27 %



41

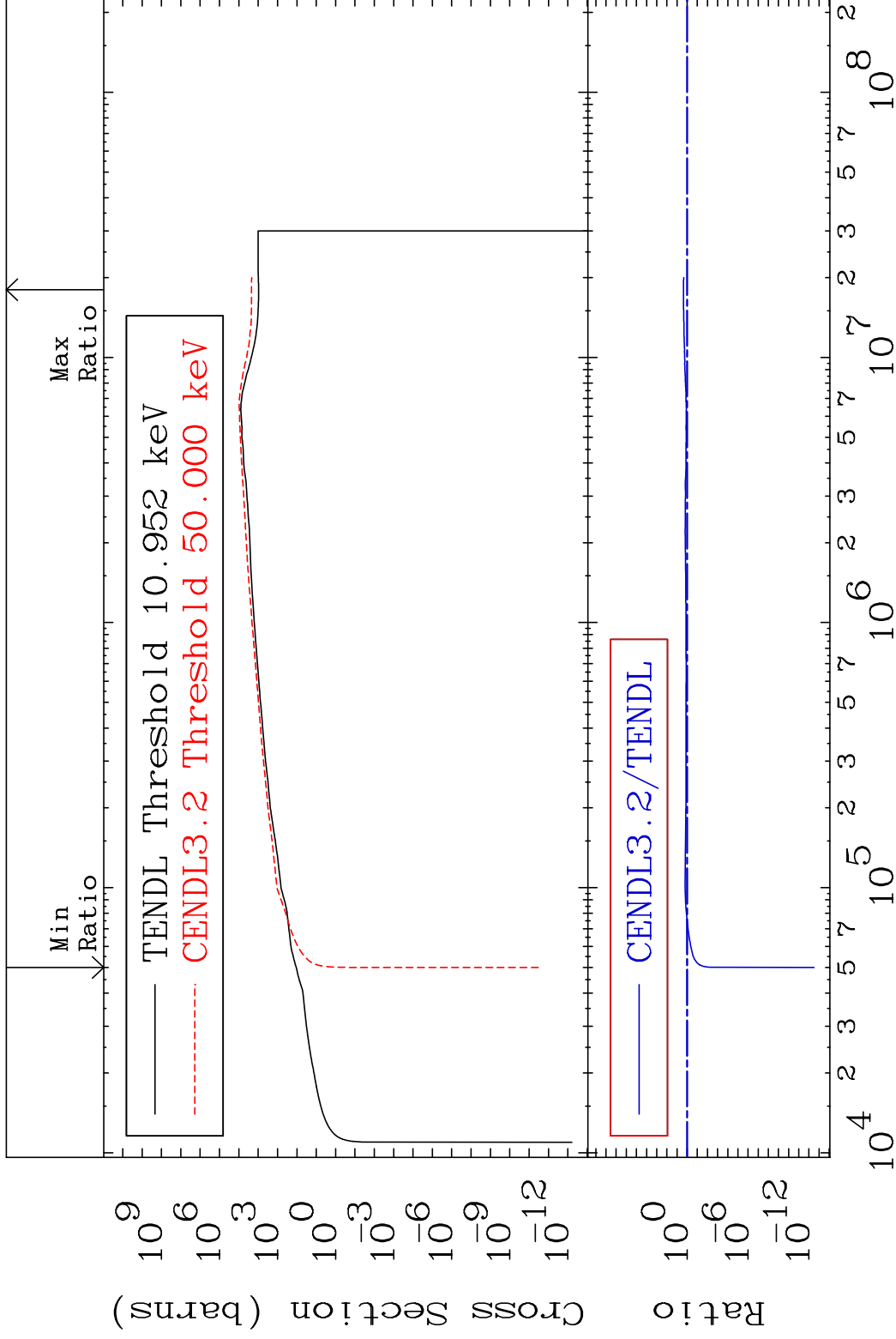
Incident Energy (eV)

51-Sb-124

MAT 5134

Dpa inelastic (mt51-91) 51-Sb-124

Cross Section -100.0 To 131.7 %

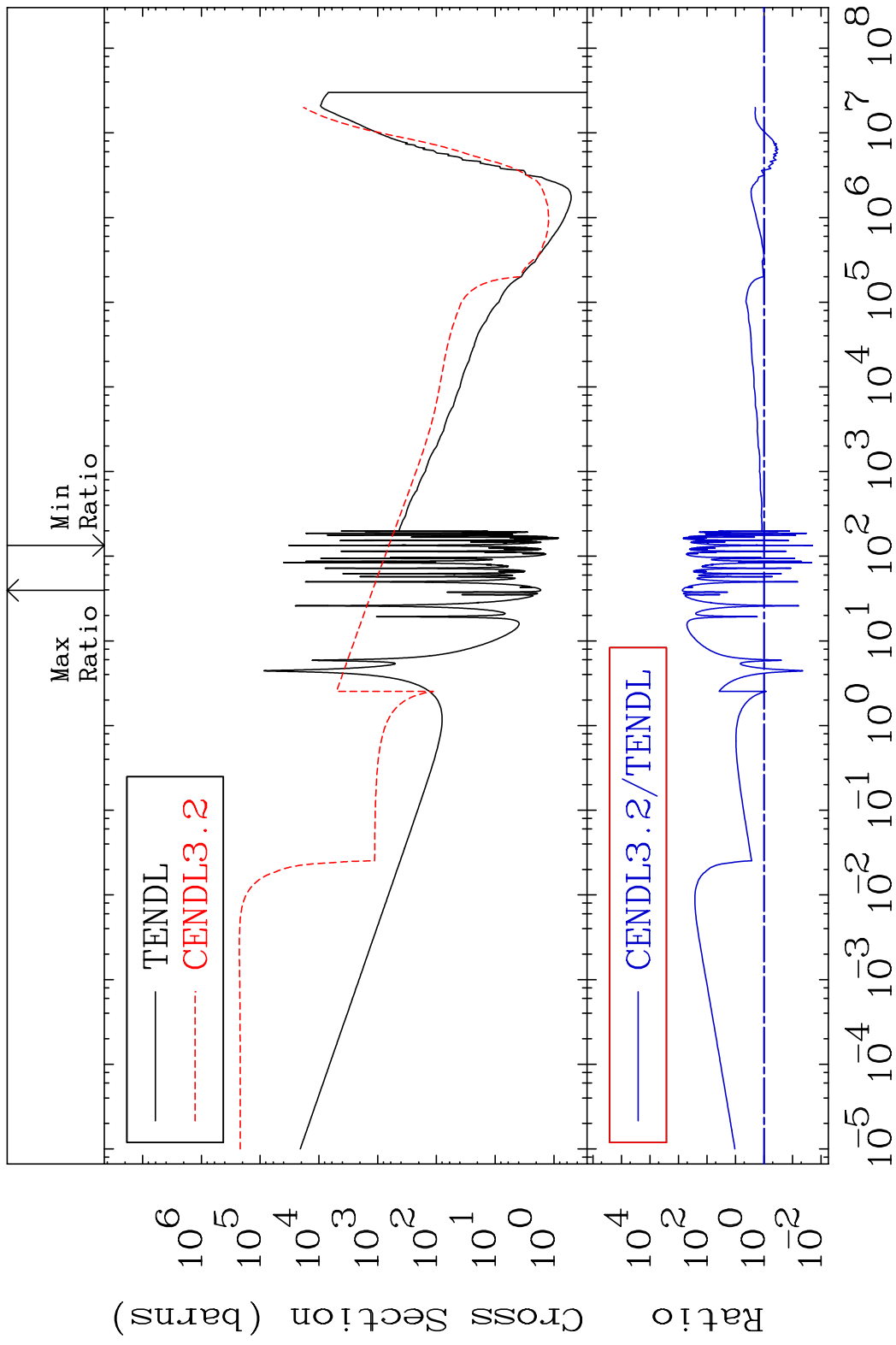


42

Incident Energy (eV)

51-Sb-124

MAT 5134 Dpa disappearance (mt102 -120) 51-Sb-124
 Cross Section -98.01 To 9999. %

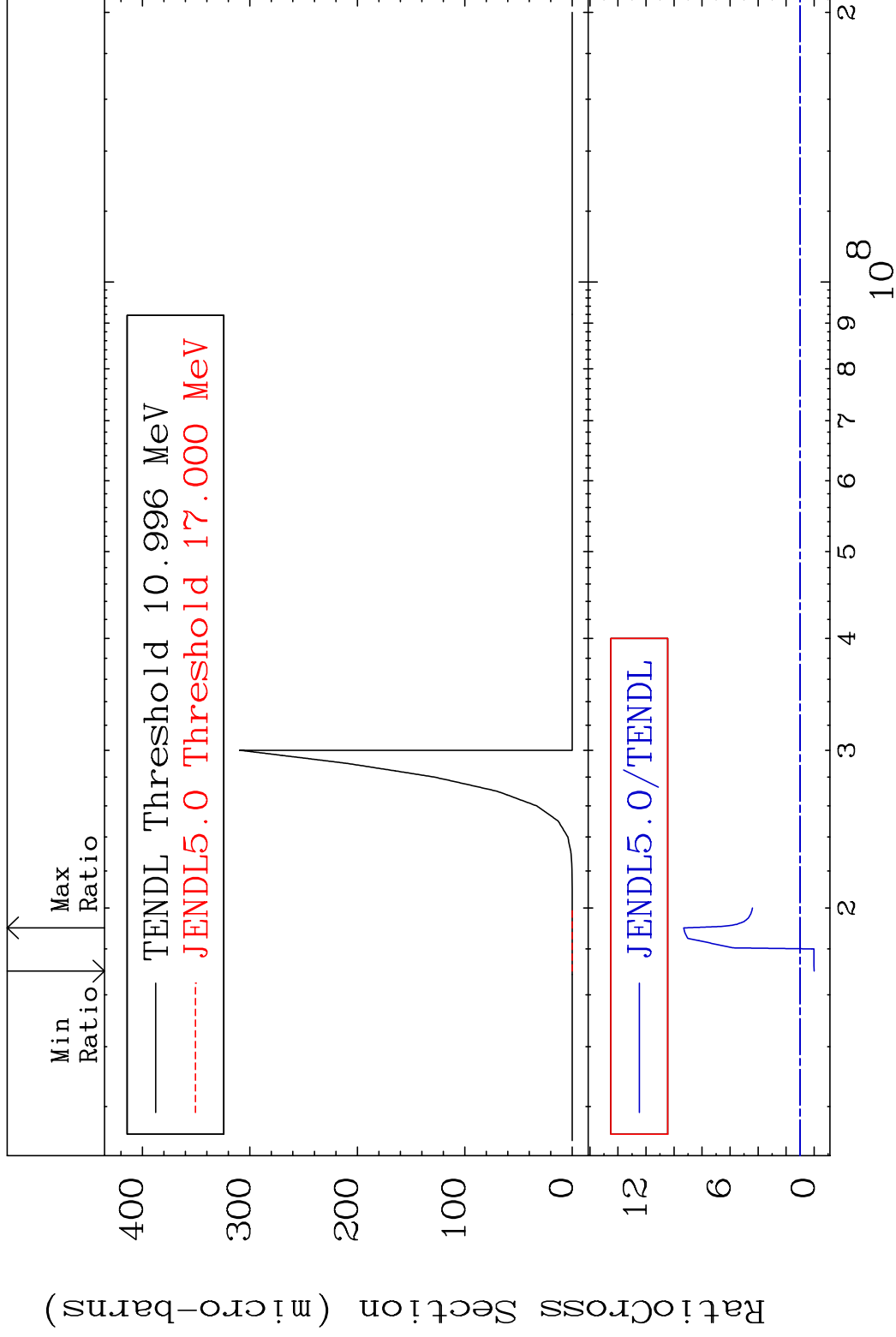


MAT 5134

(n, He-3)

51-Sb-124

Cross Section -100.0 To 831.2 %



44

Incident Energy (eV)

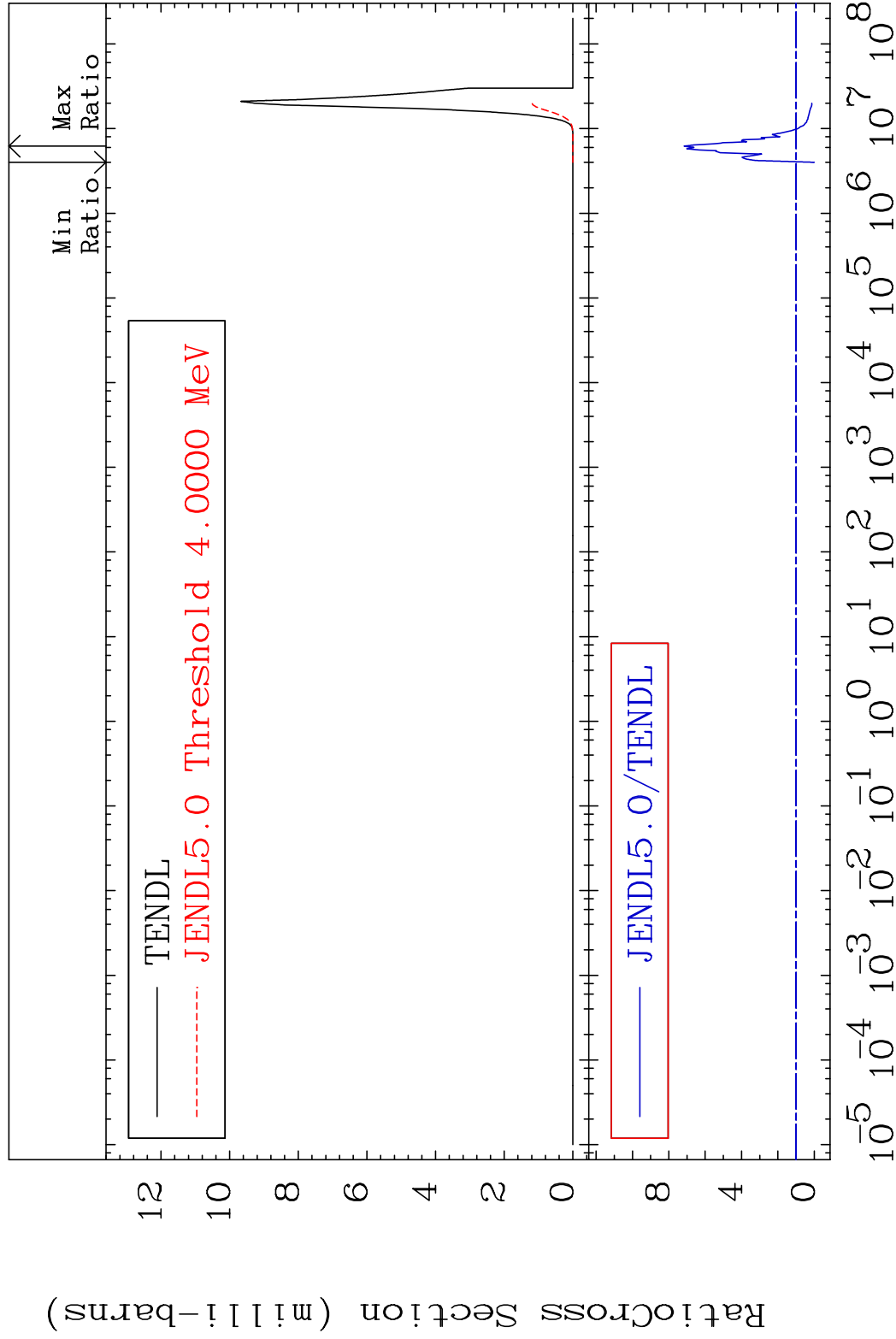
51-Sb-124

MAT 5134

(n, α)

51-Sb-124

Cross Section -100.0 To 616.1 %



45

Incident Energy (eV)

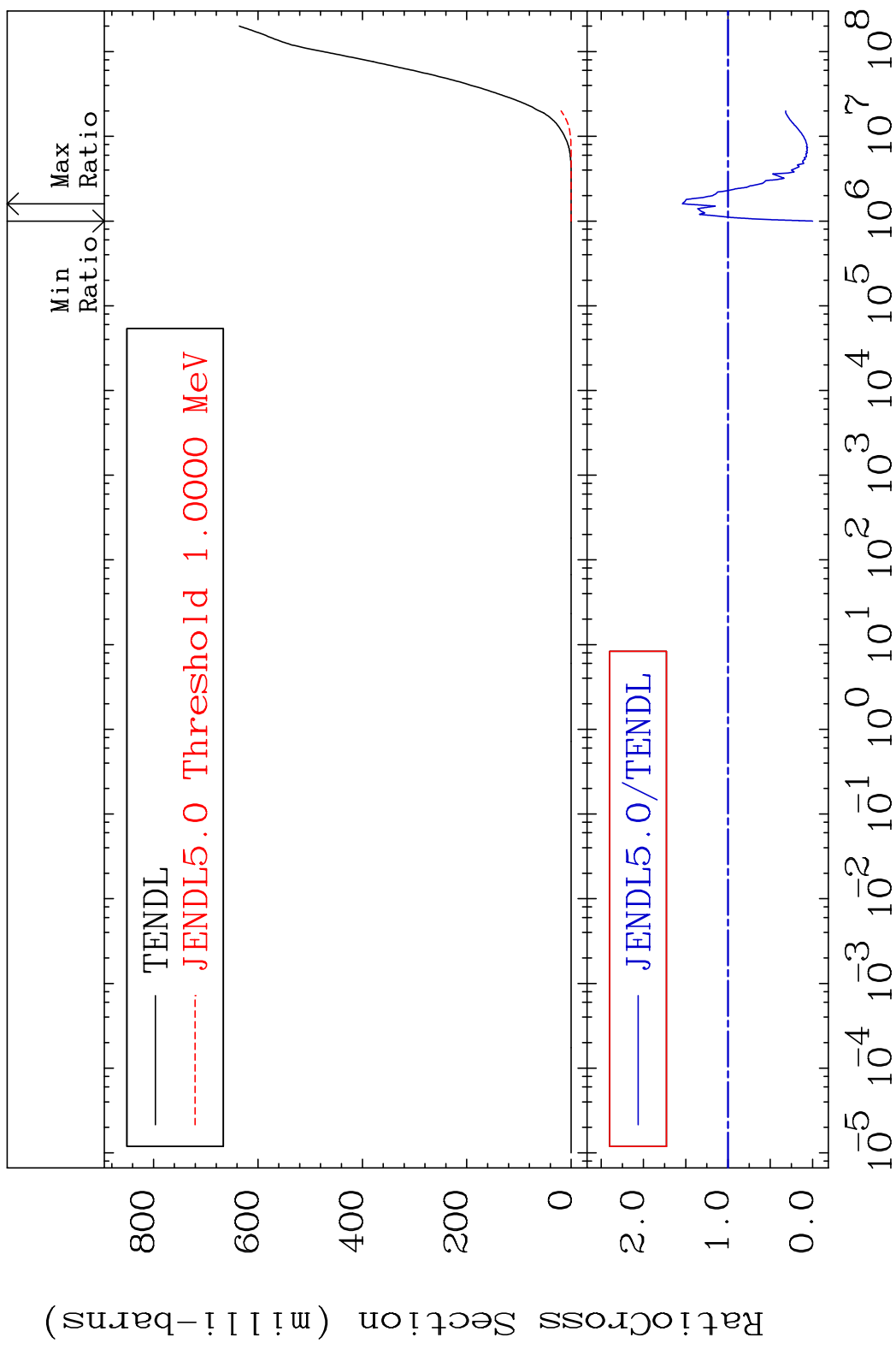
51-Sb-124

MAT 5134

Hydrogen Production

51-Sb-124

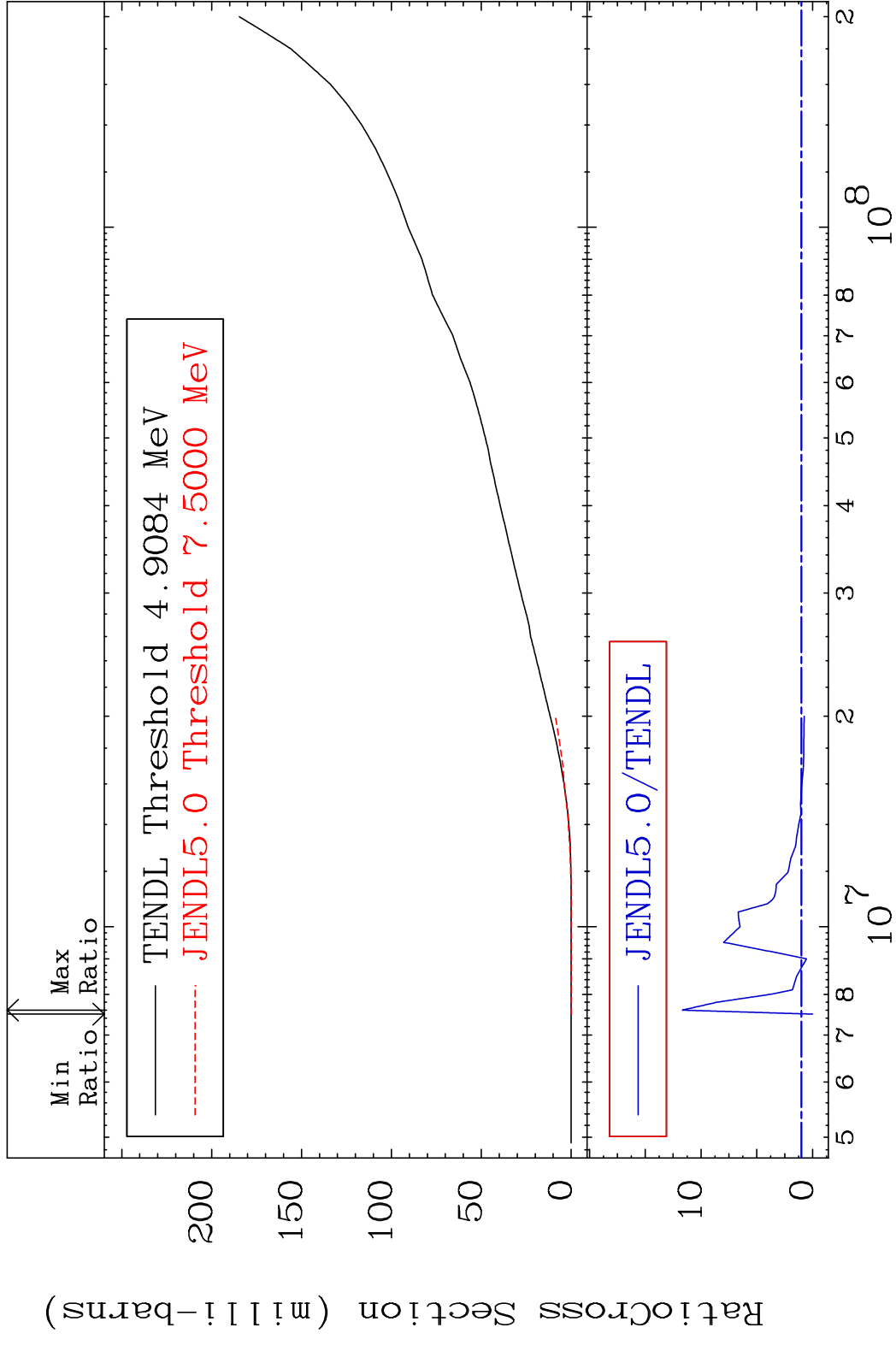
Cross Section -100.0 To 53.98 %



46

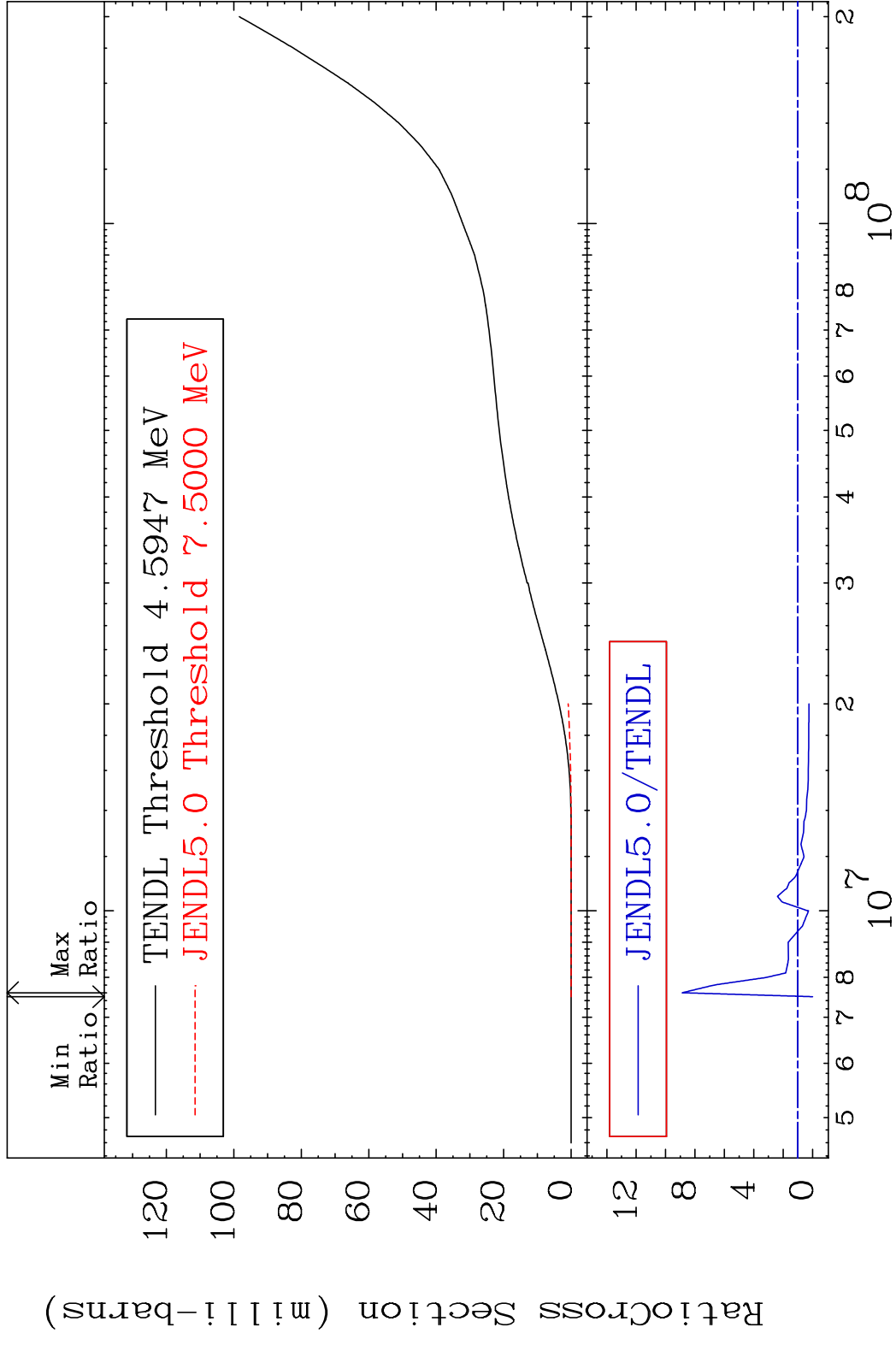
Incident Energy (eV)

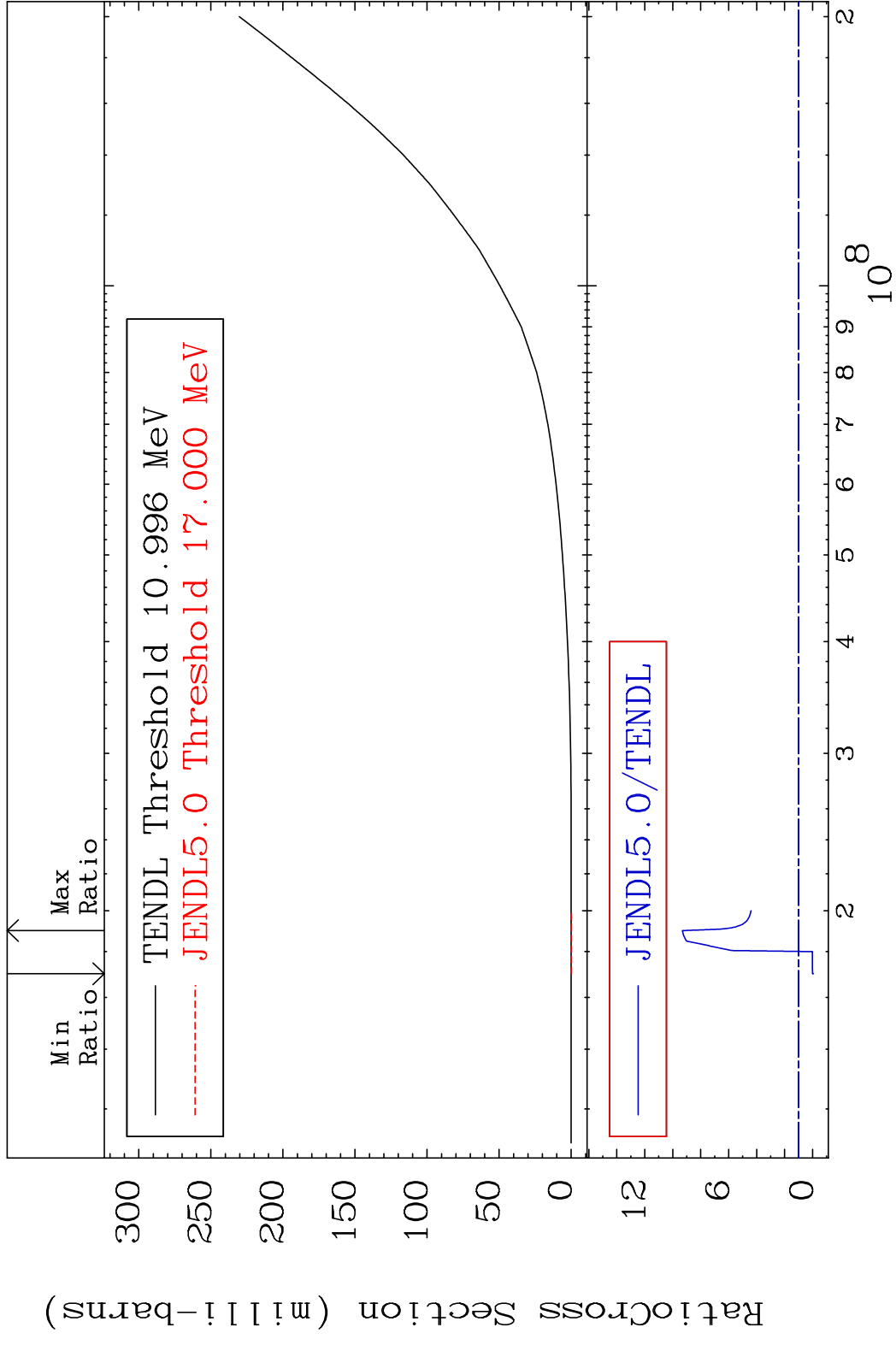
51-Sb-124



MAT 5134

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



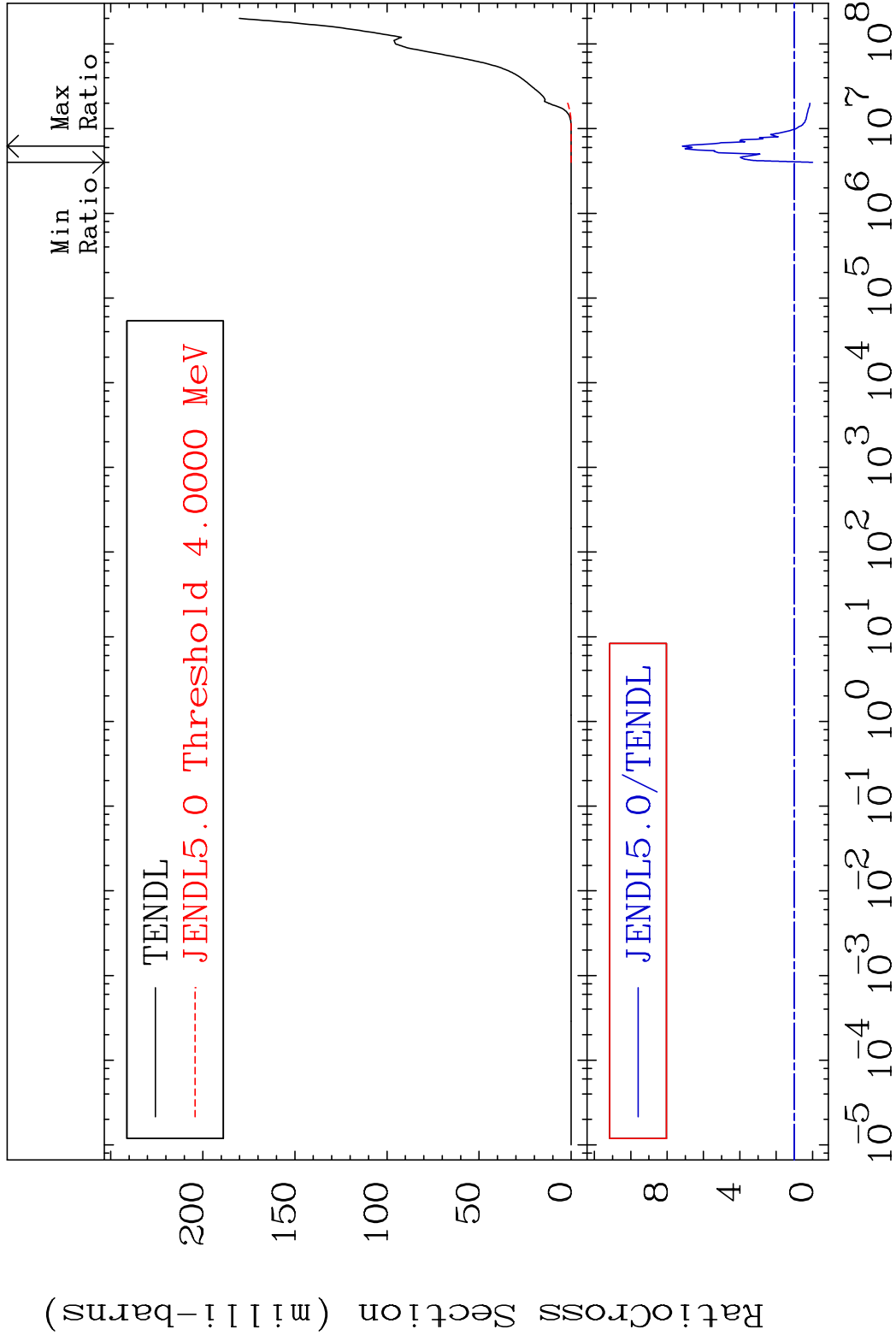


MAT 5134

He-4 Production

51-Sb-124

Cross Section -100.0 To 616.1 %

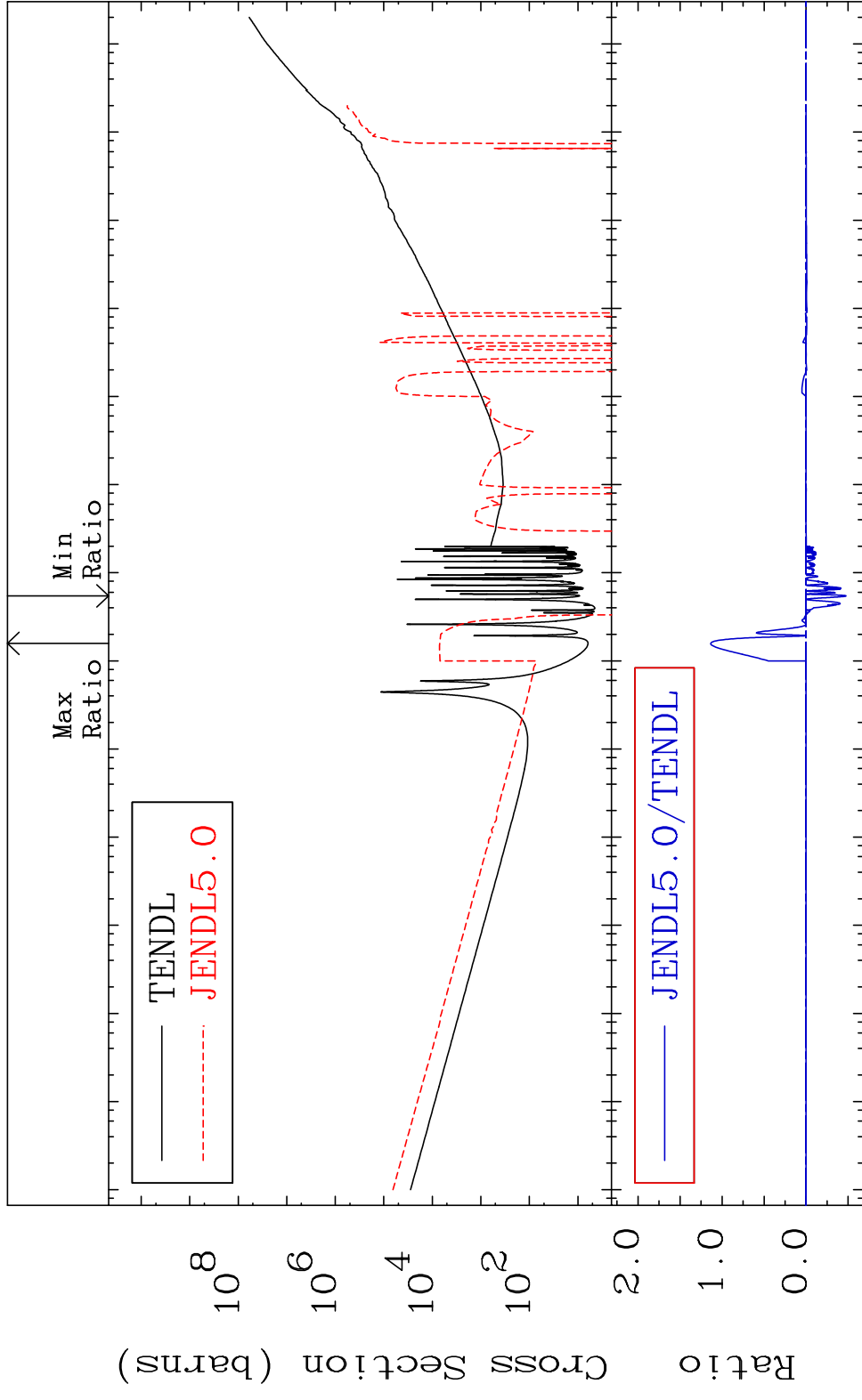


50

Incident Energy (eV)

51-Sb-124

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



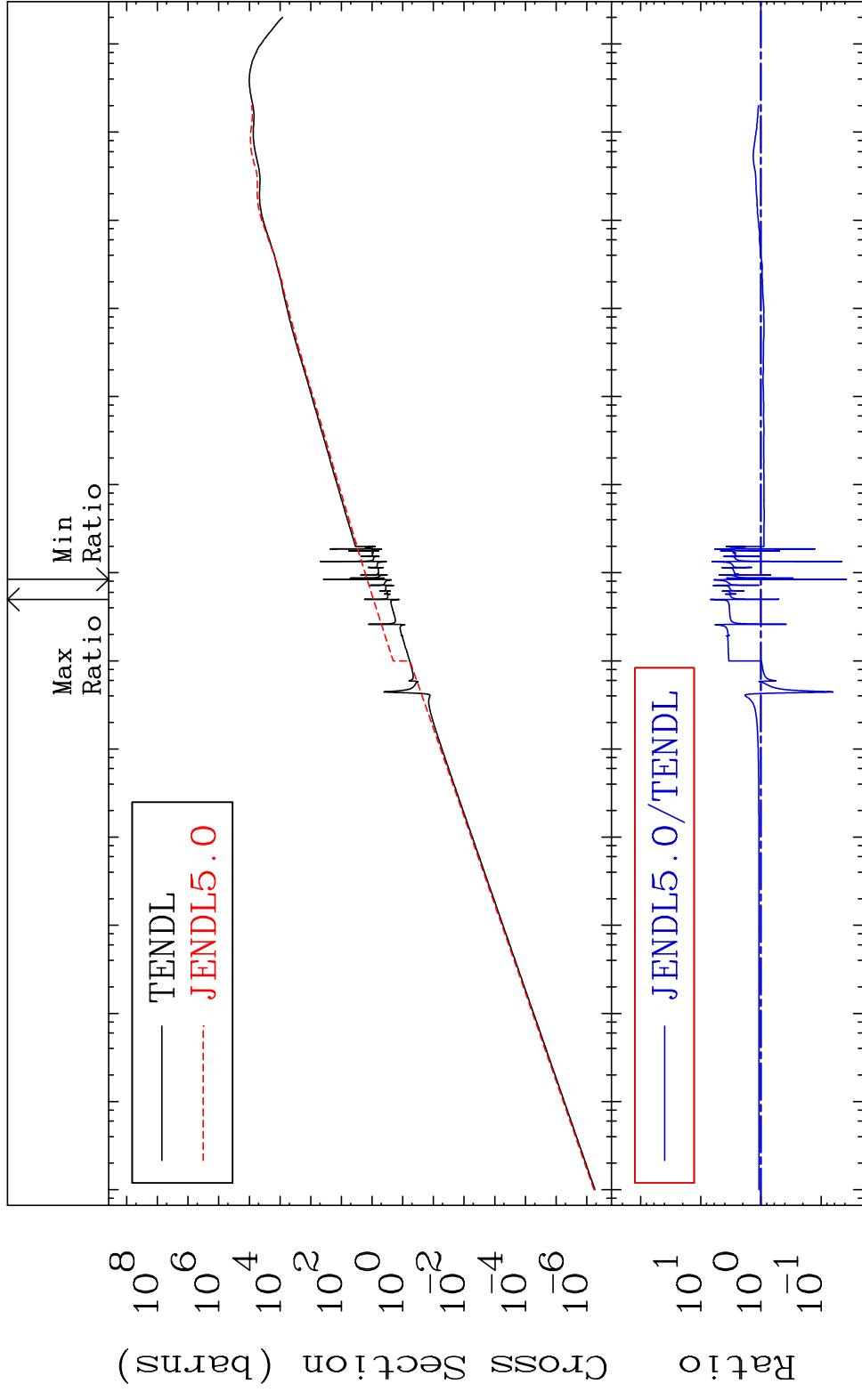
10⁸
 10⁶
 10⁴
 10²
 2.0
 1.0
 0.0

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

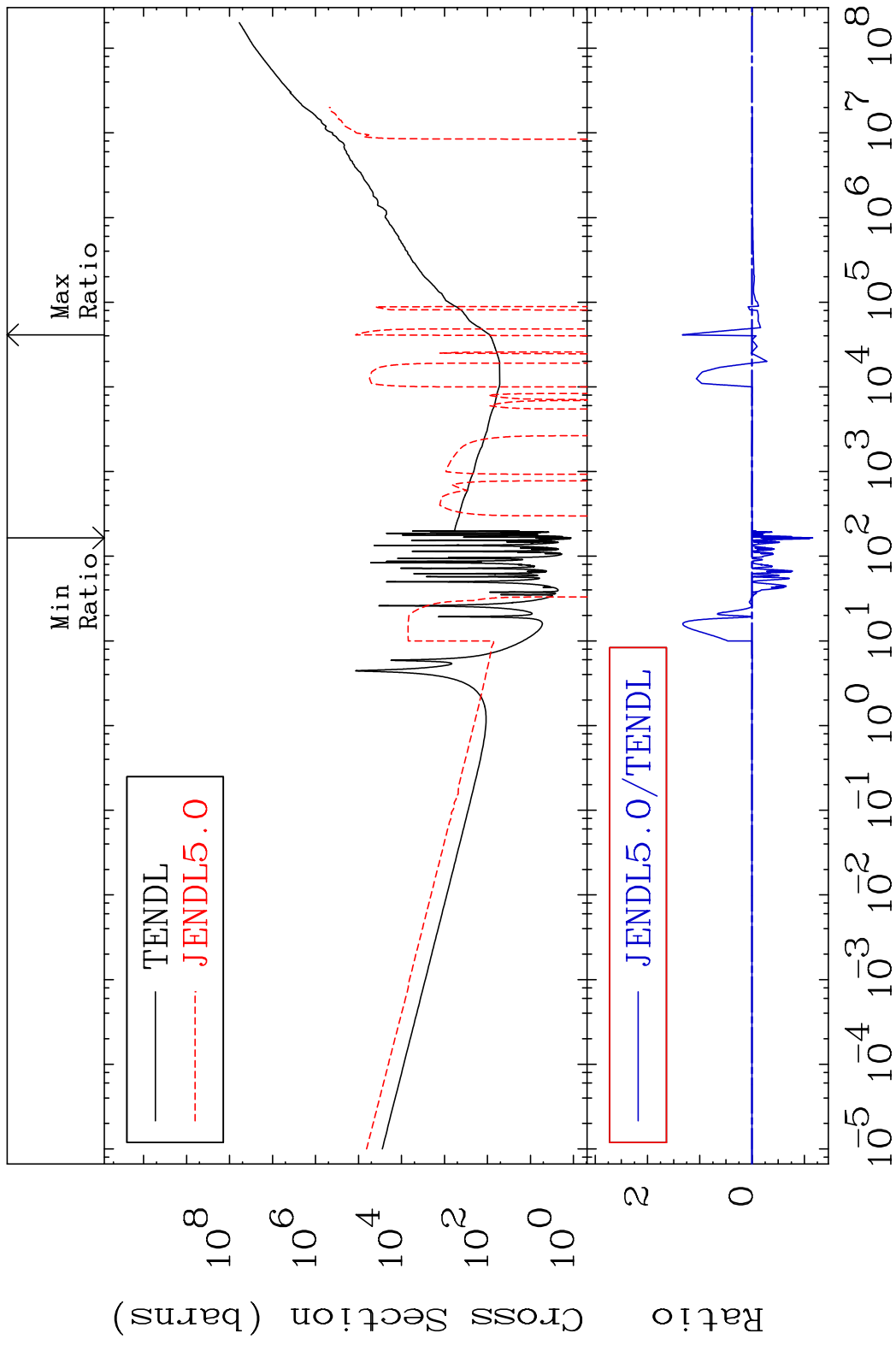
MAT 5134

Kerma elastic
Cross Section -96.19 To 583.1 %

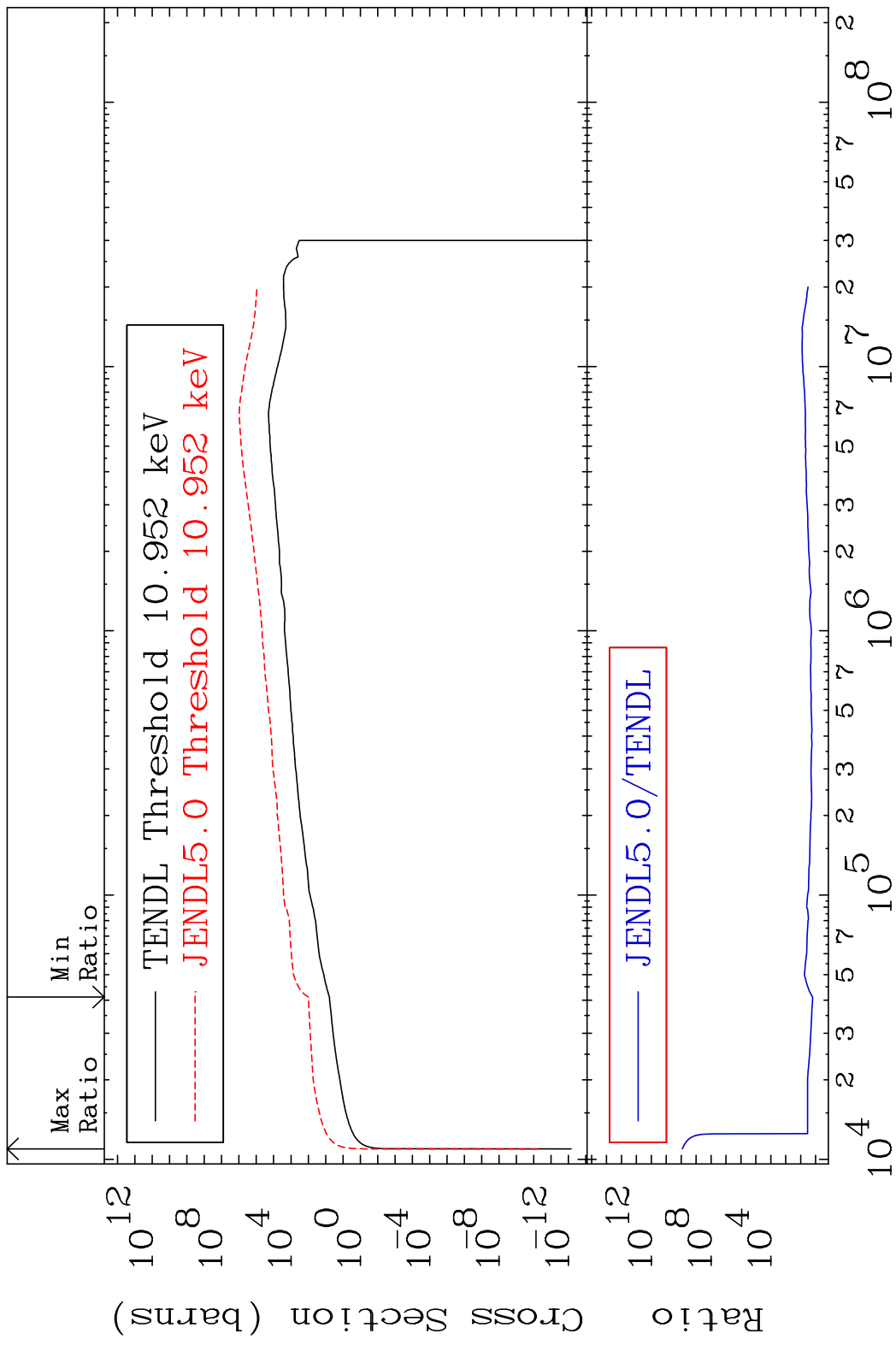
51-Sb-124
To 583.1 %



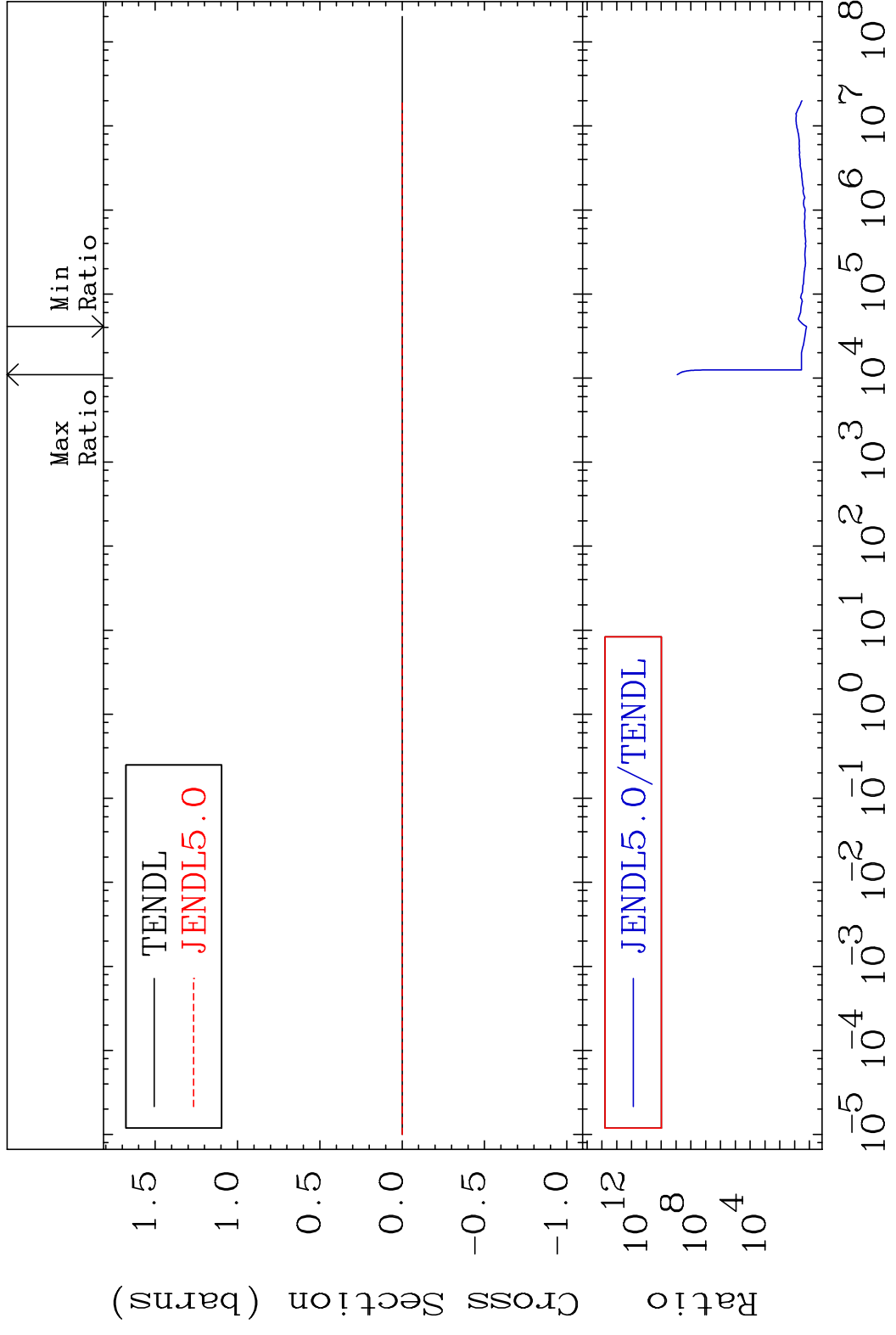
MAT 5134 Kerma non-elastic (all but mt2) 51-Sb-124
 Cross Section -9999. To 9999. %

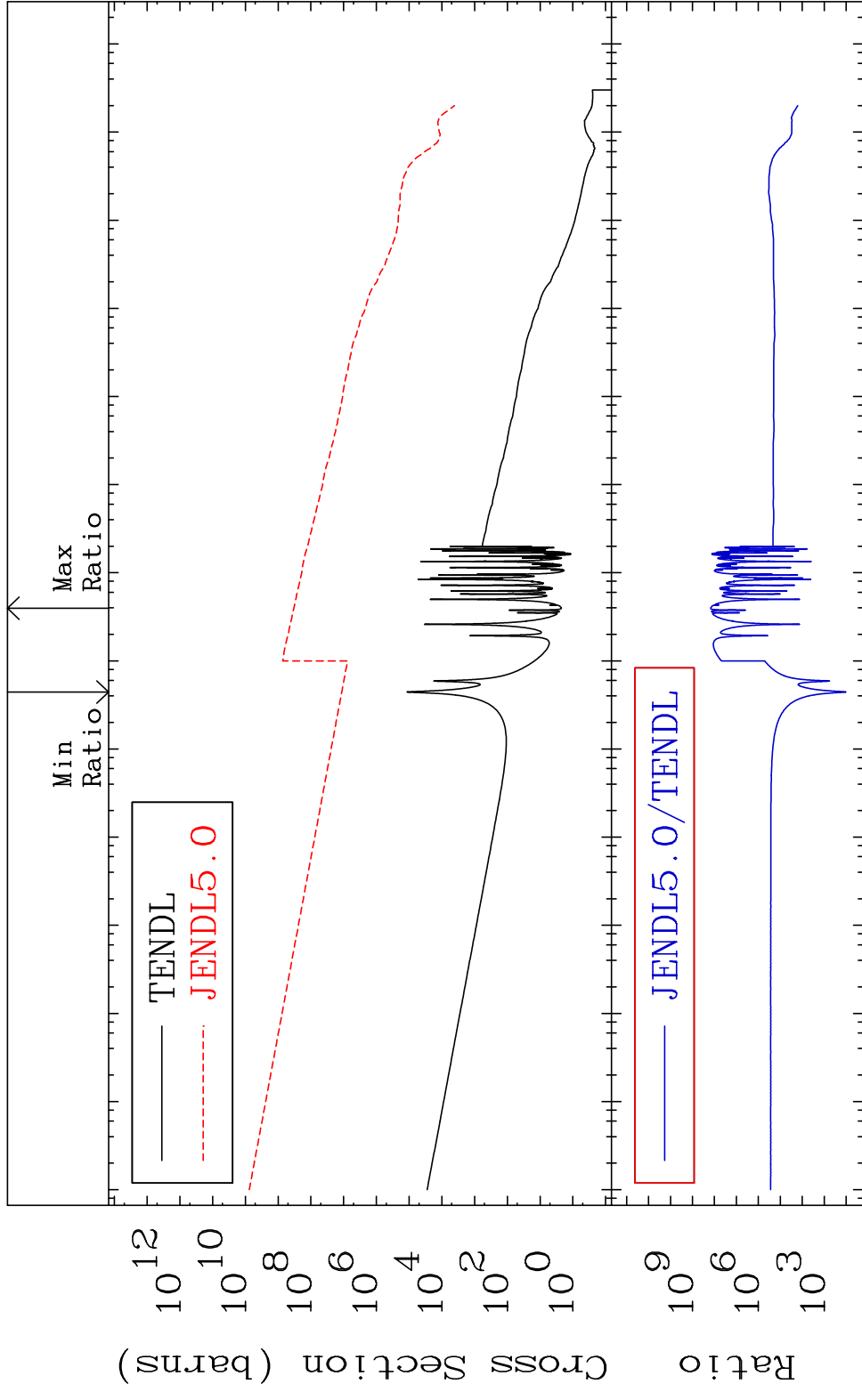


MAT 5134 Kerma inelastic (mt51-91) 51-Sb-124
 Cross Section 1509. To 9999. %

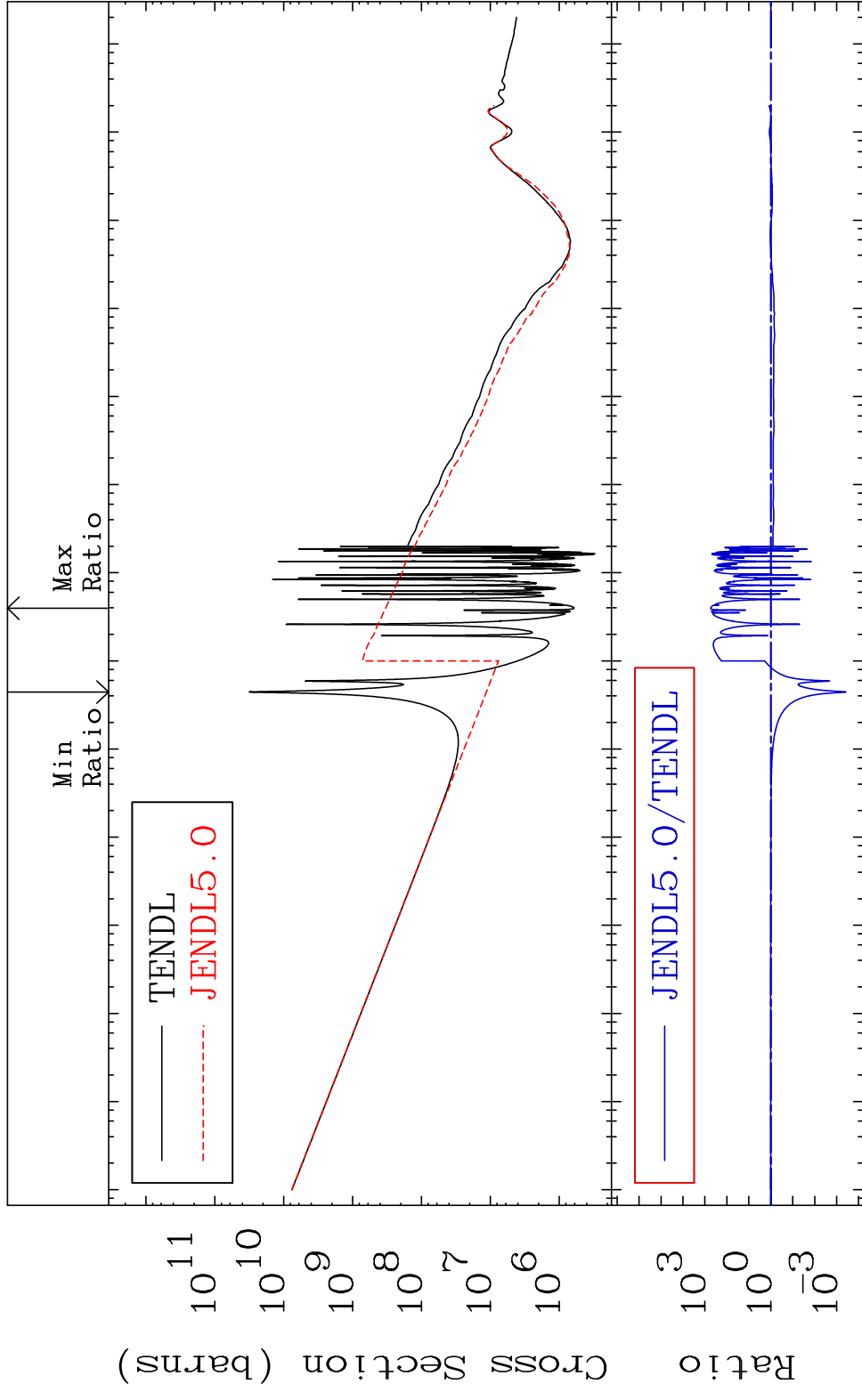


MAT 5134 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-124
 Cross Section 1509. To 9999. %

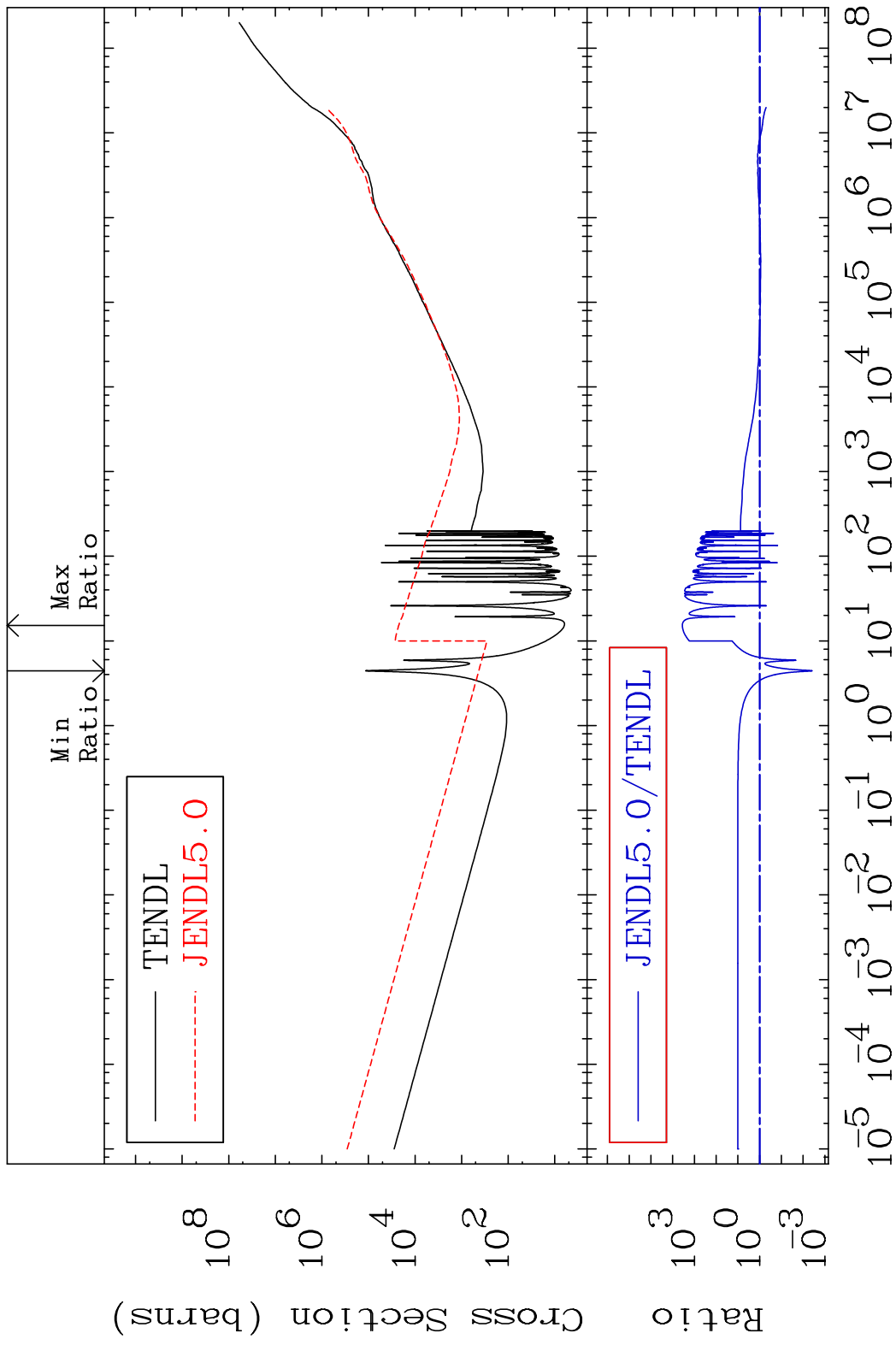




MAT 5134 Total photon (eV-barns) 51-Sb-124
 Cross Section -99.96 To 9999. %



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

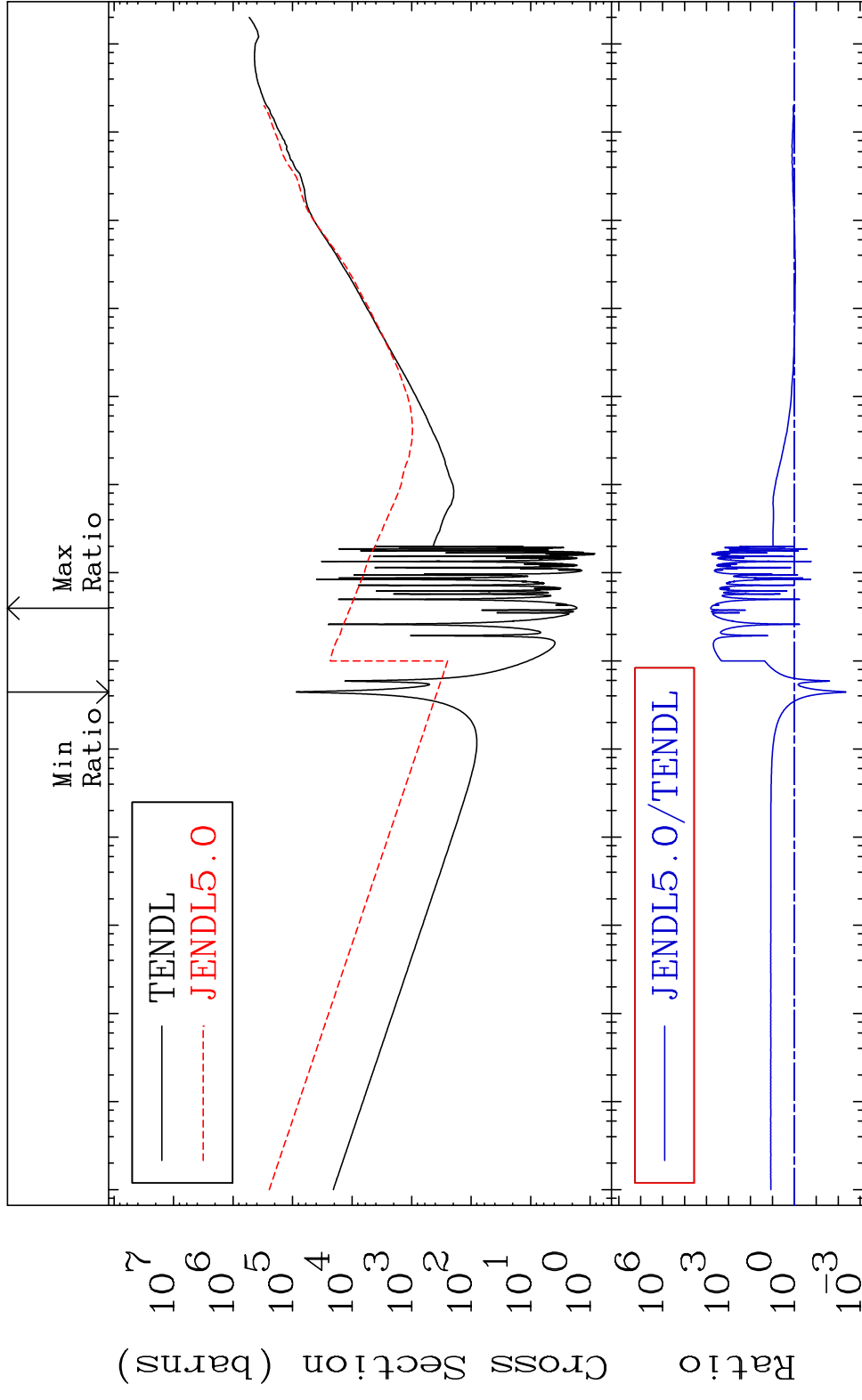


MAT 5134

Dpa total (eV-barns)

51-Sb-124

Cross Section -99.57 To 9999. %

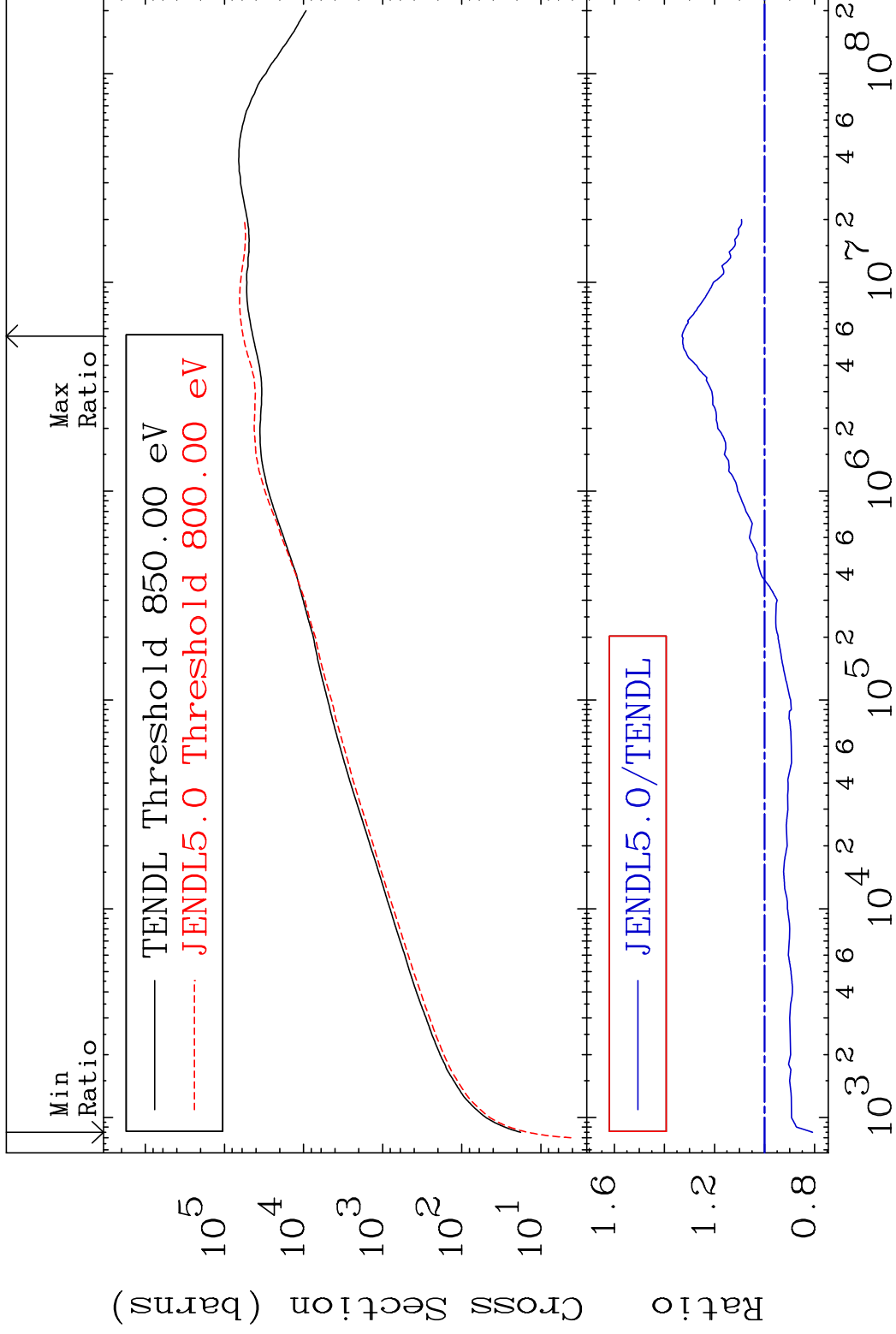


MAT 5134

Dpa elastic (mt2)

51-Sb-124

Cross Section -19.12 To 32.92 %

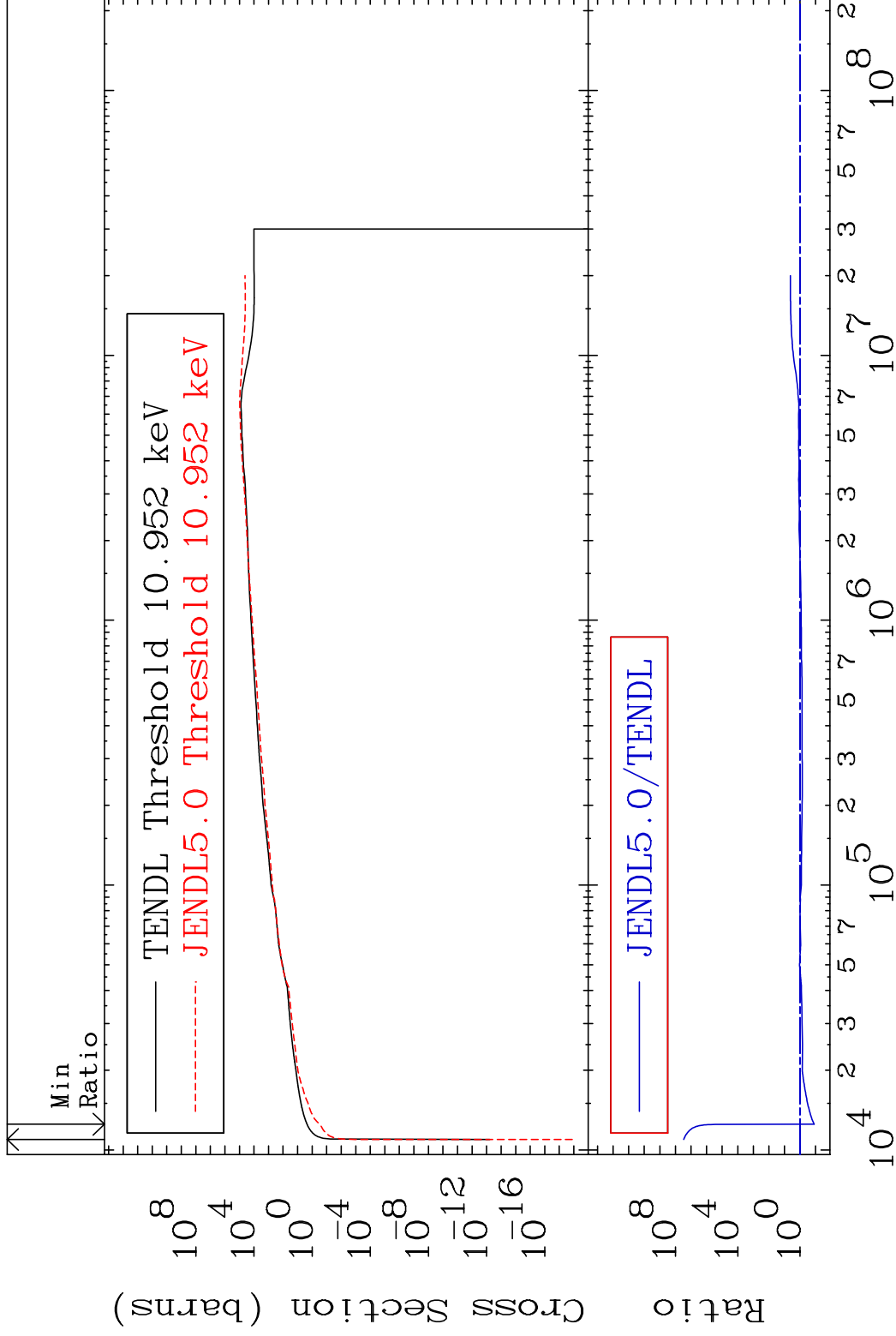


MAT 5134

Dpa inelastic (mt51-91)

51-Sb-124

Cross Section -87.49 To 9999. %

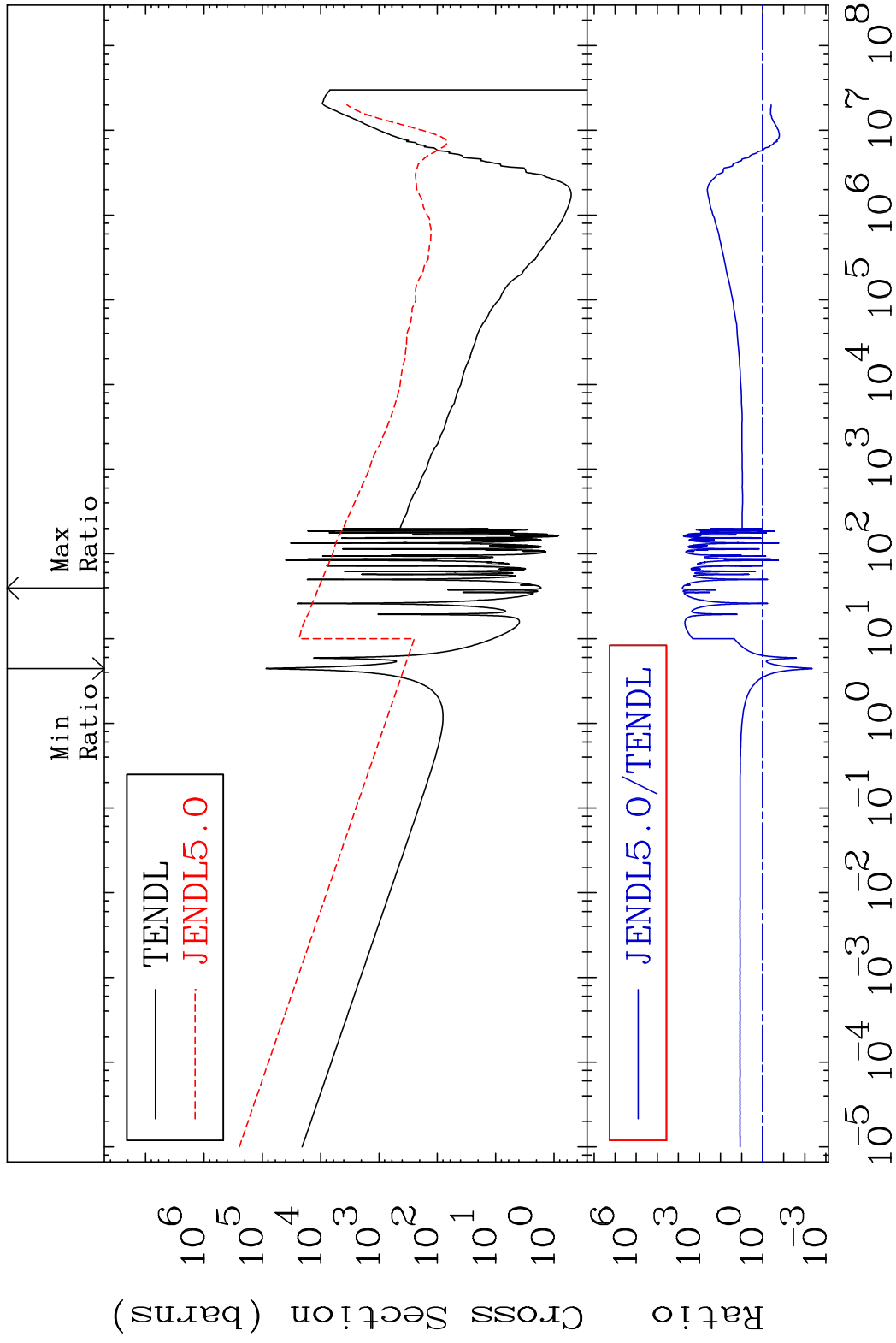


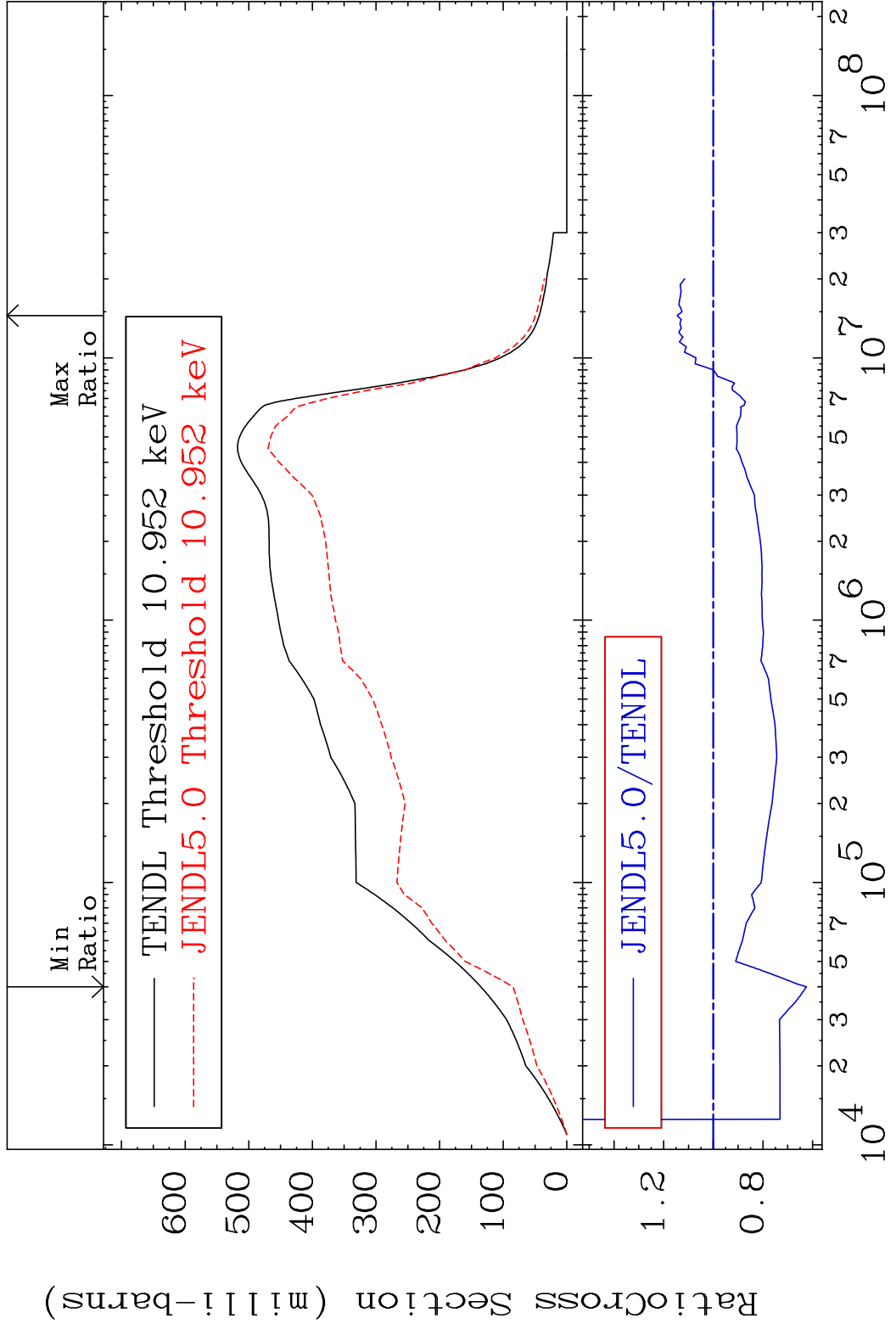
61

Incident Energy (eV)

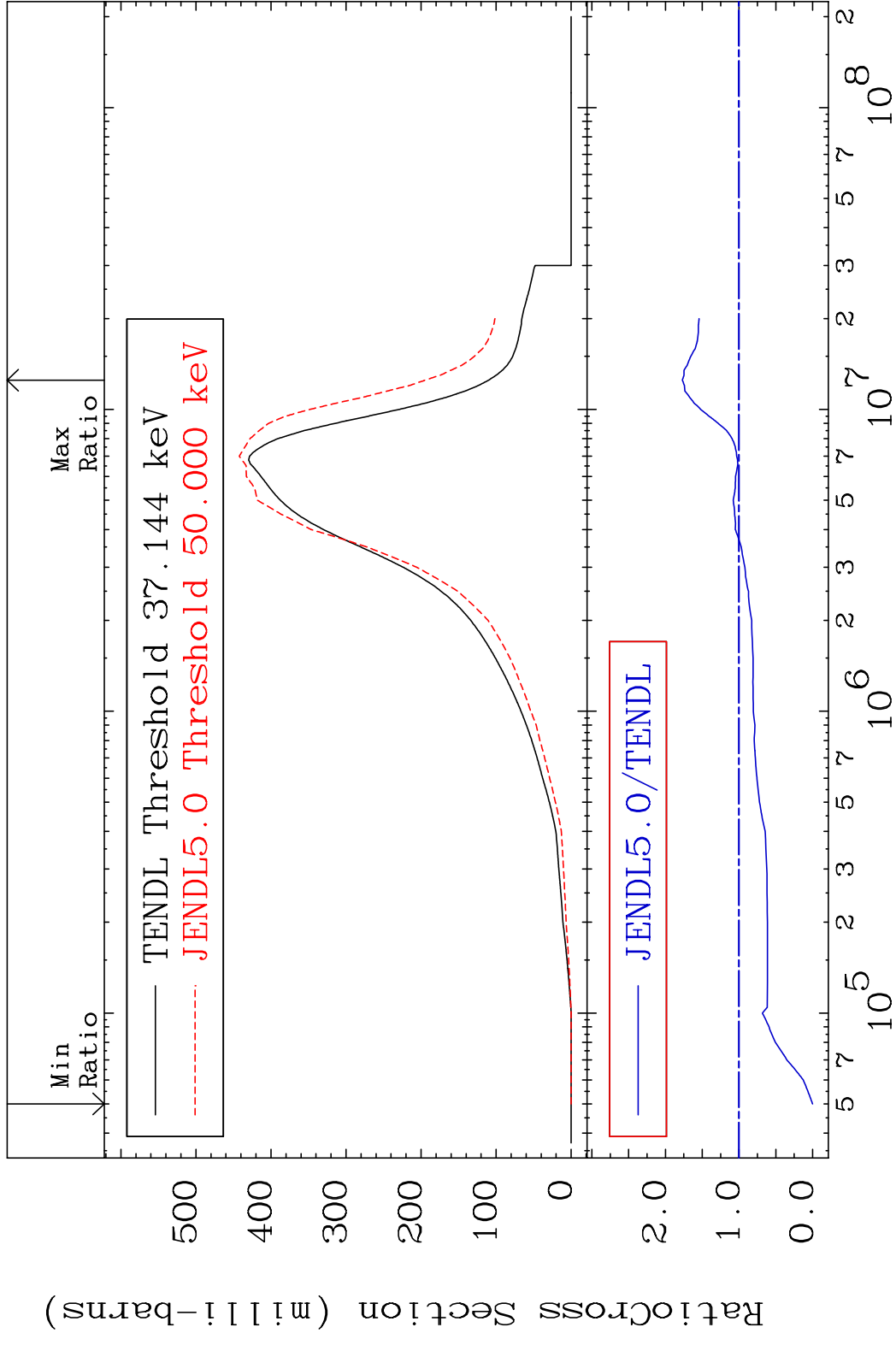
51-Sb-124

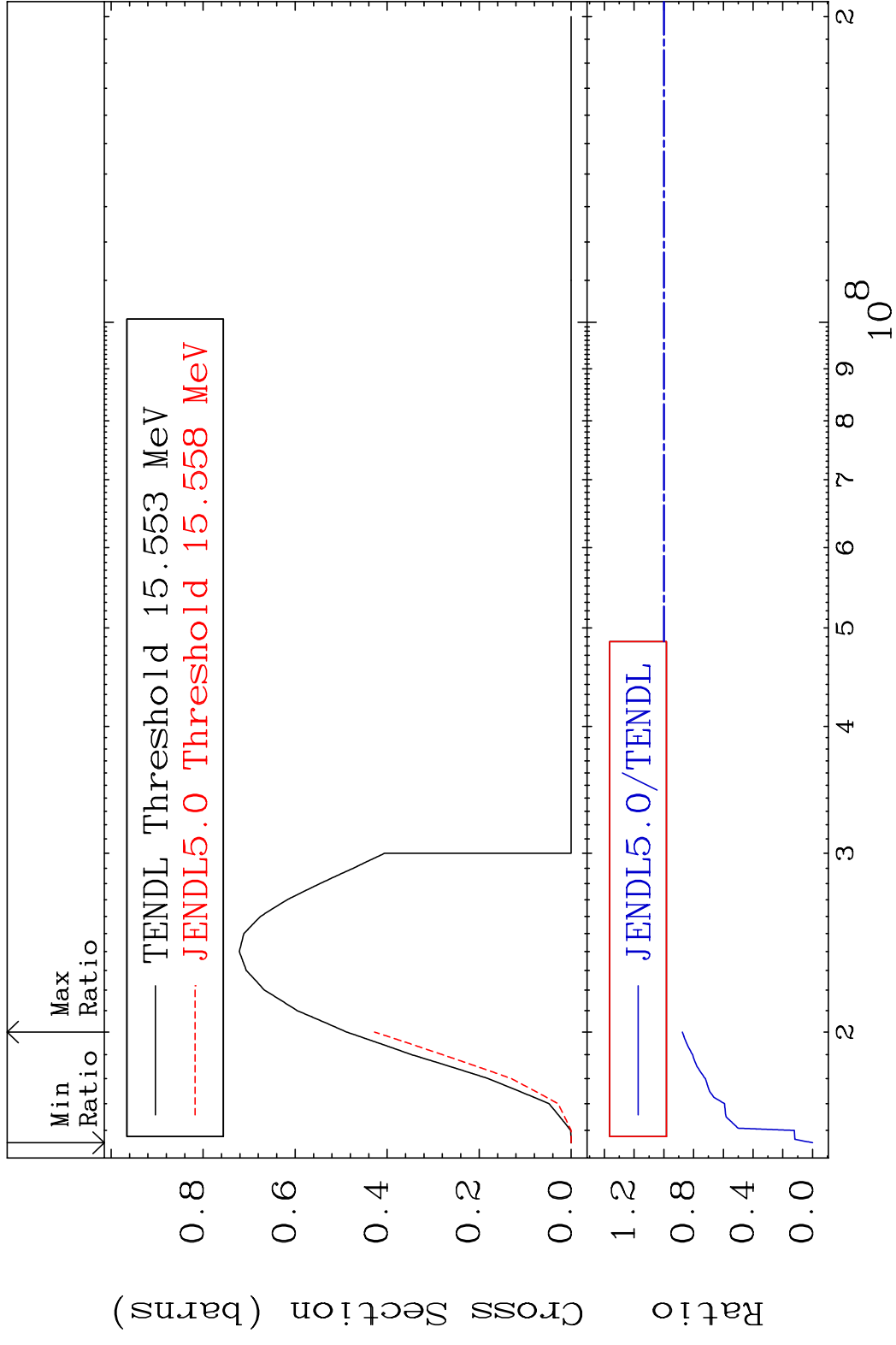
MAT 5134 Dpa disappearance (mt102 -120) 51-Sb-124
 Cross Section -99.57 To 9999. %

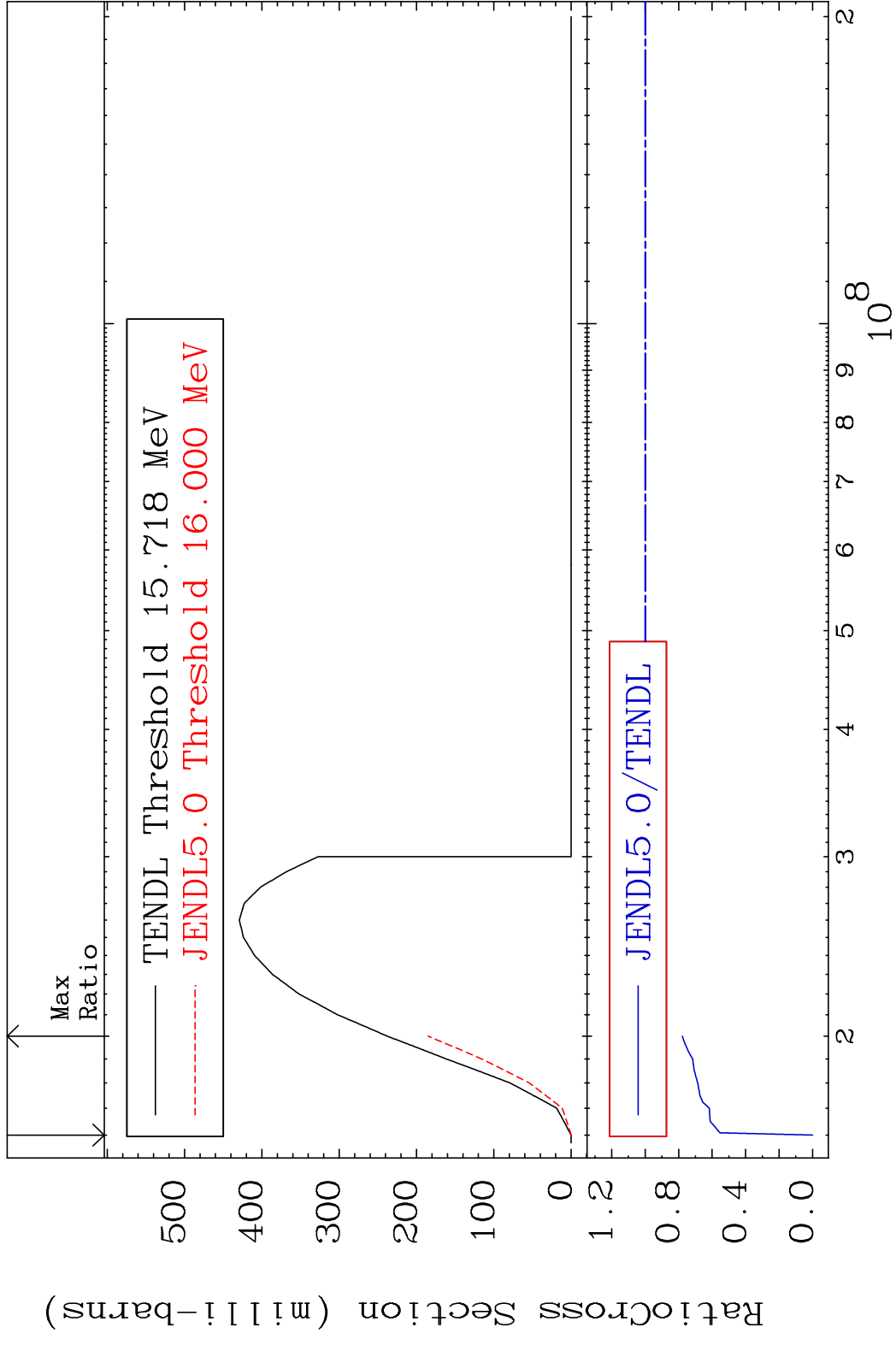


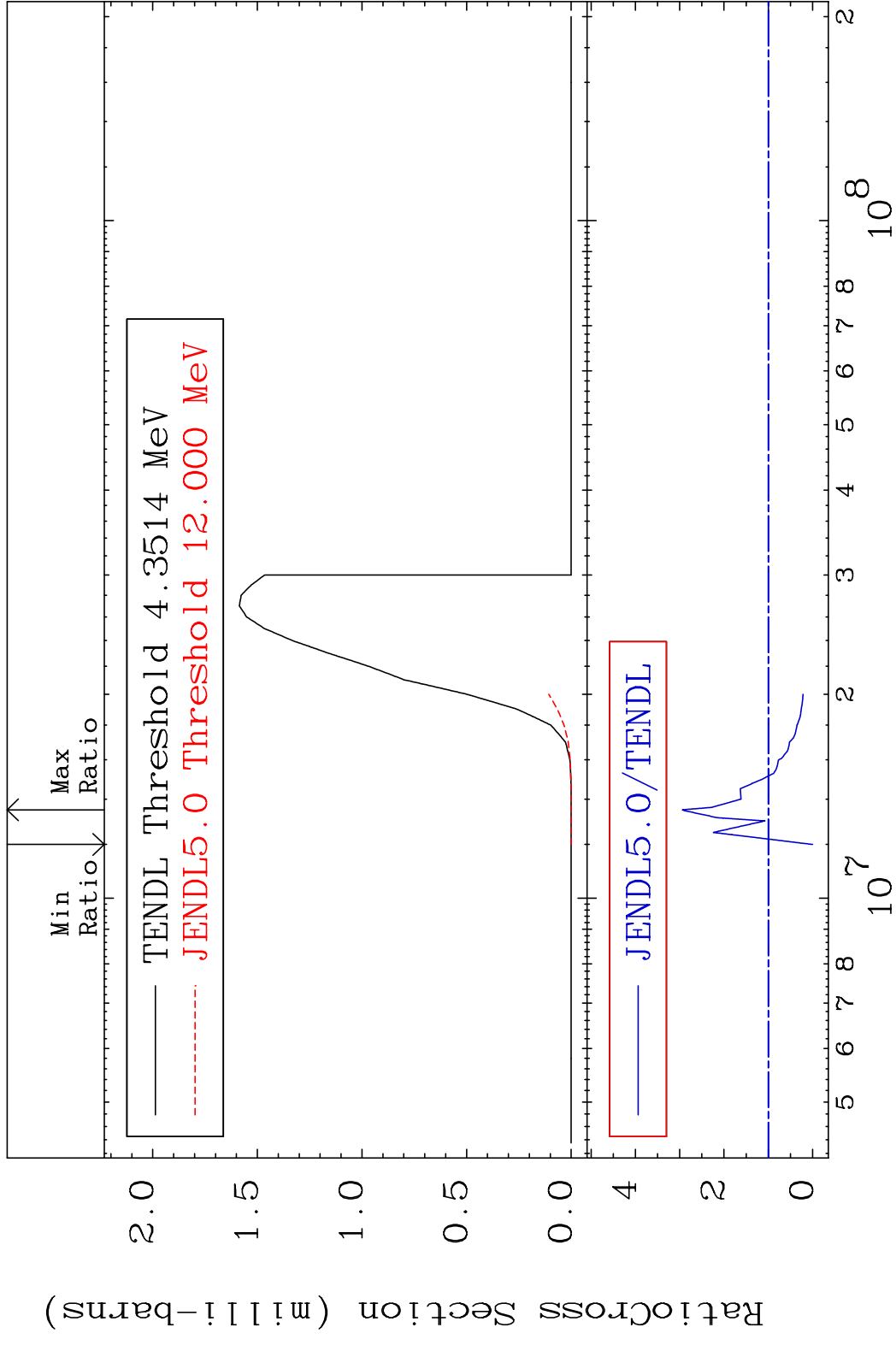


MAT 5134 Inelastic:51-Sb-124m2 51-Sb-124
 Radionuclide Production Cross Section 180.01 dpo 77.01 %

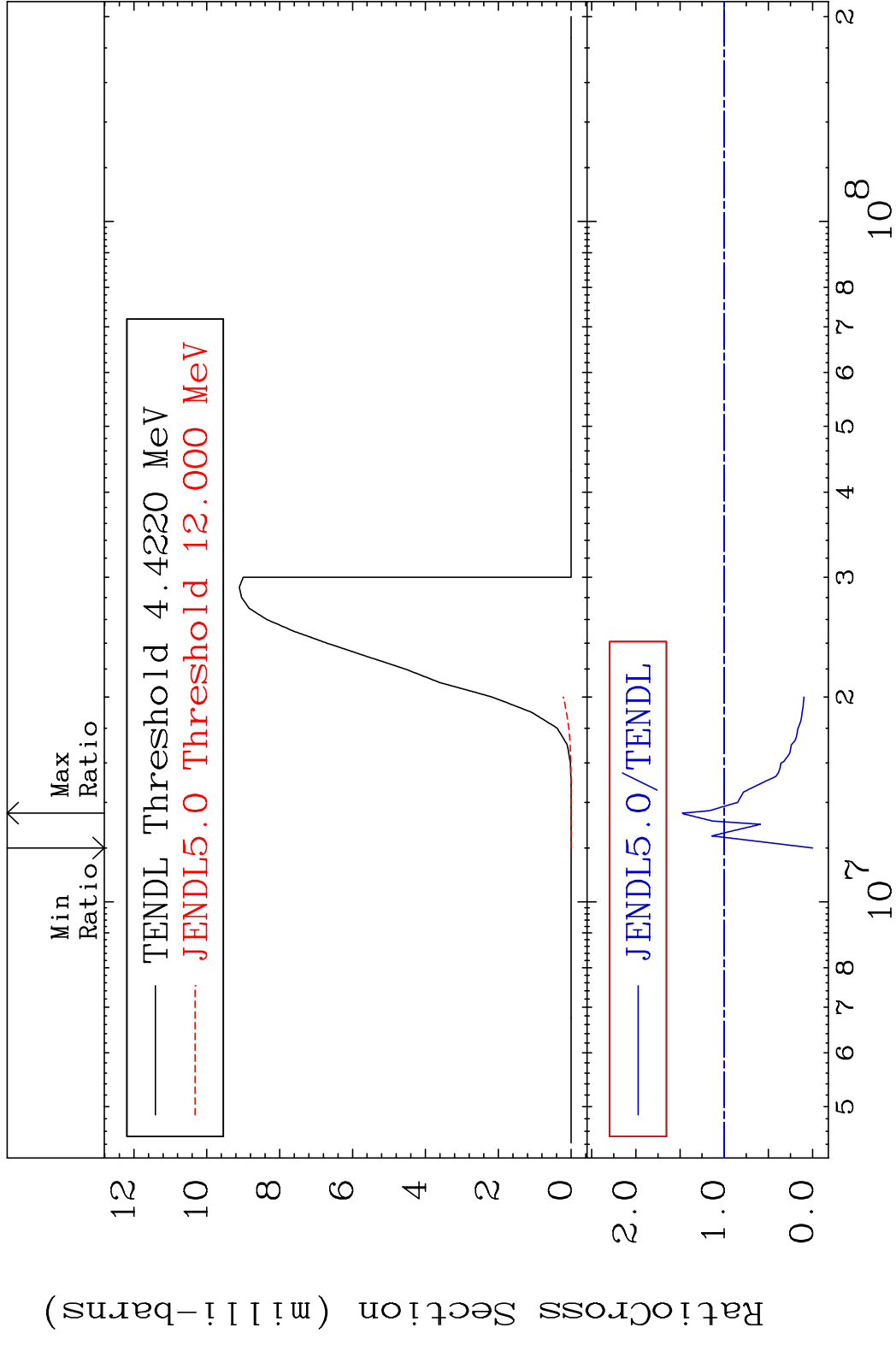




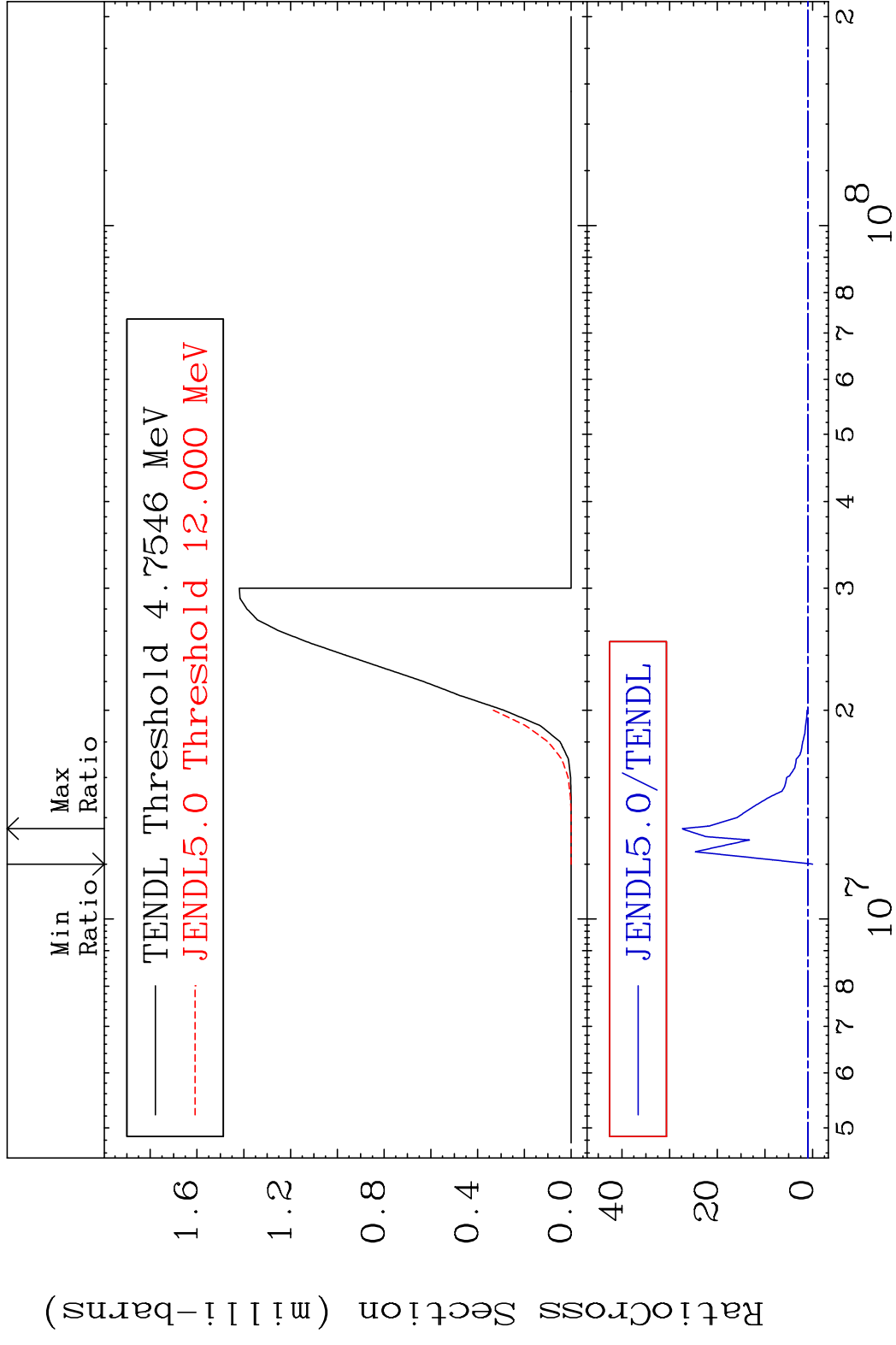




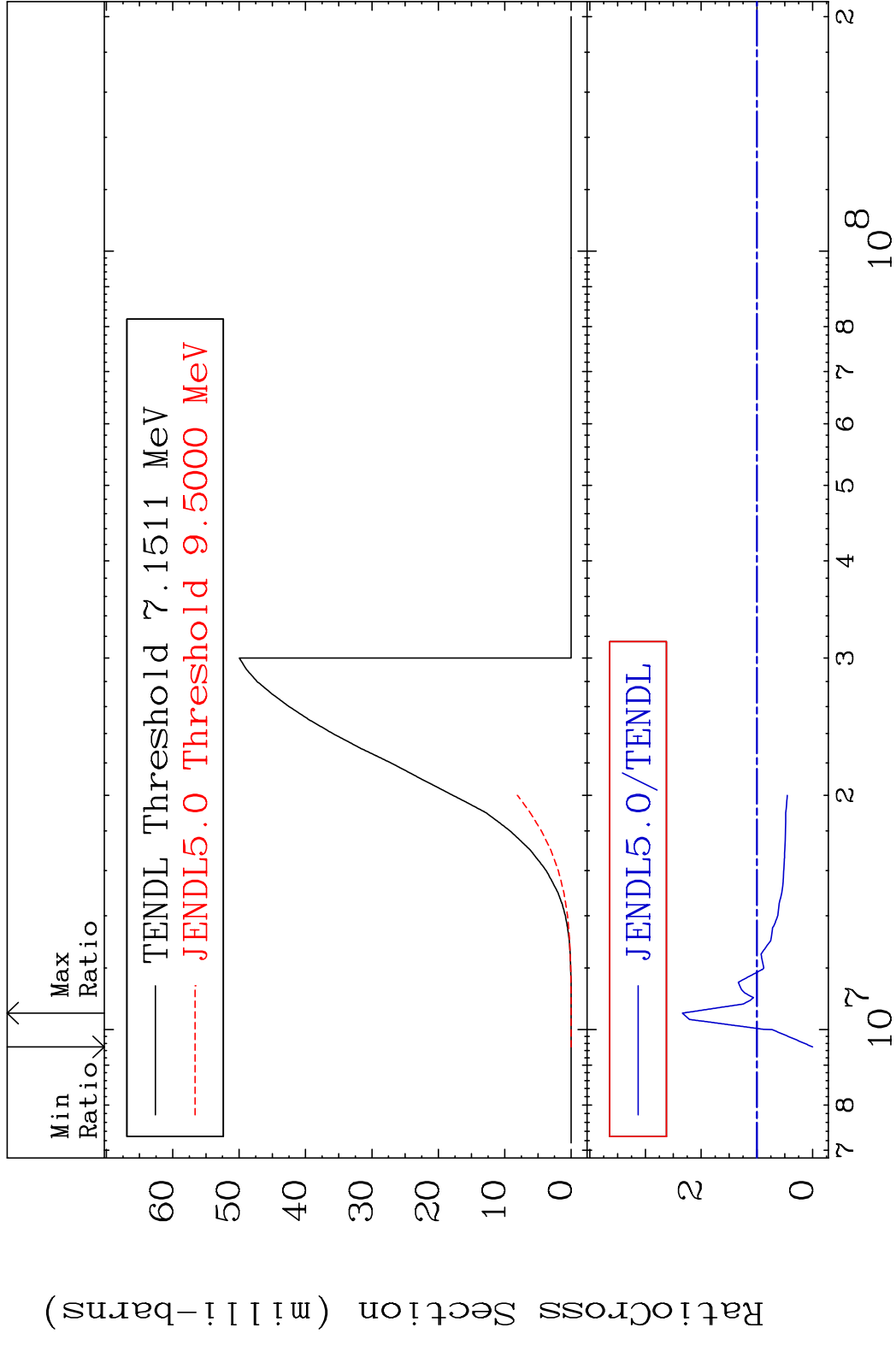
MAT 5134 (n, n') α :49-In-120m1 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 47.36 %



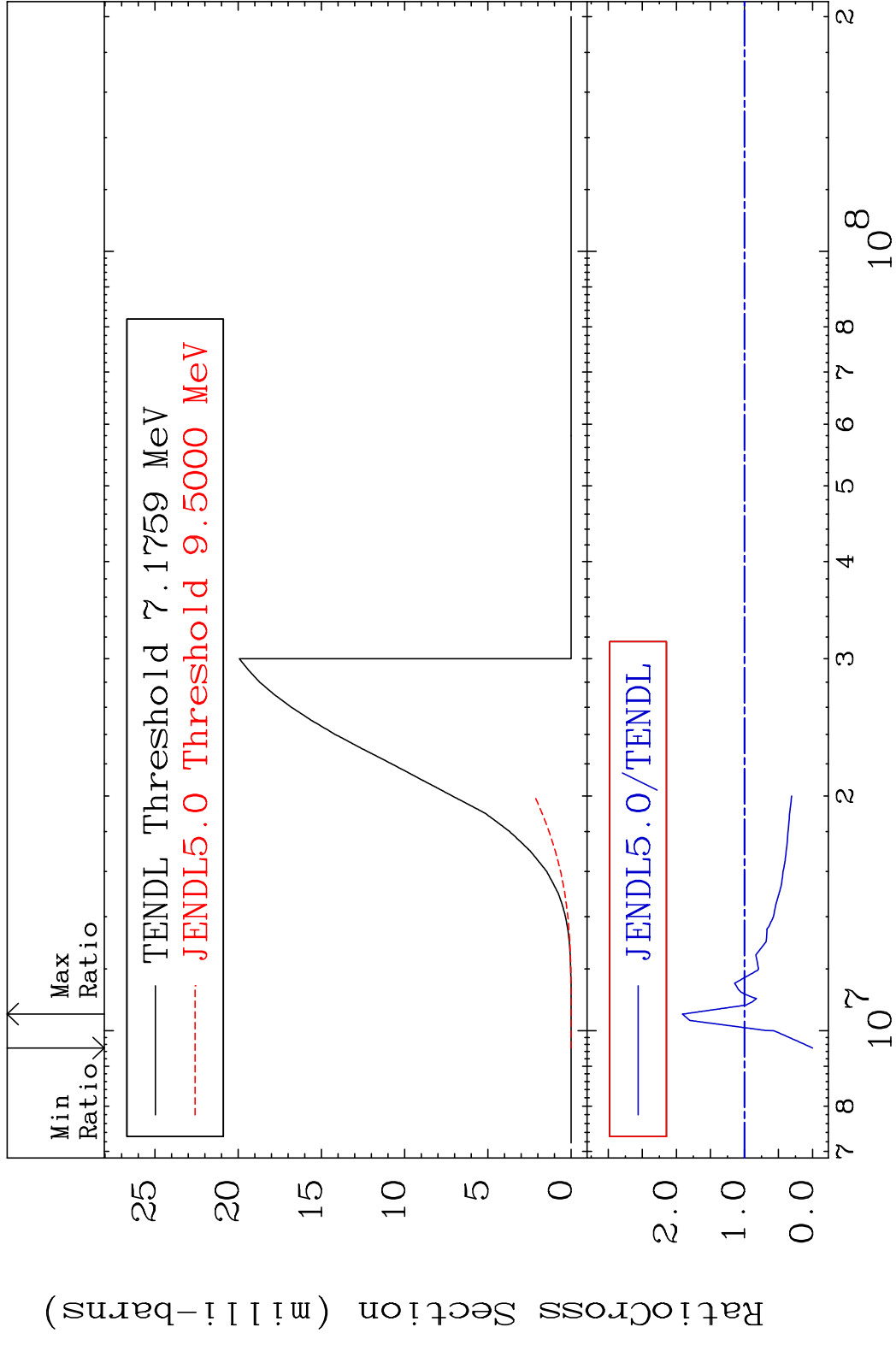
MAT 5134 (n, n') α :49-In-120m2 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 2633. %

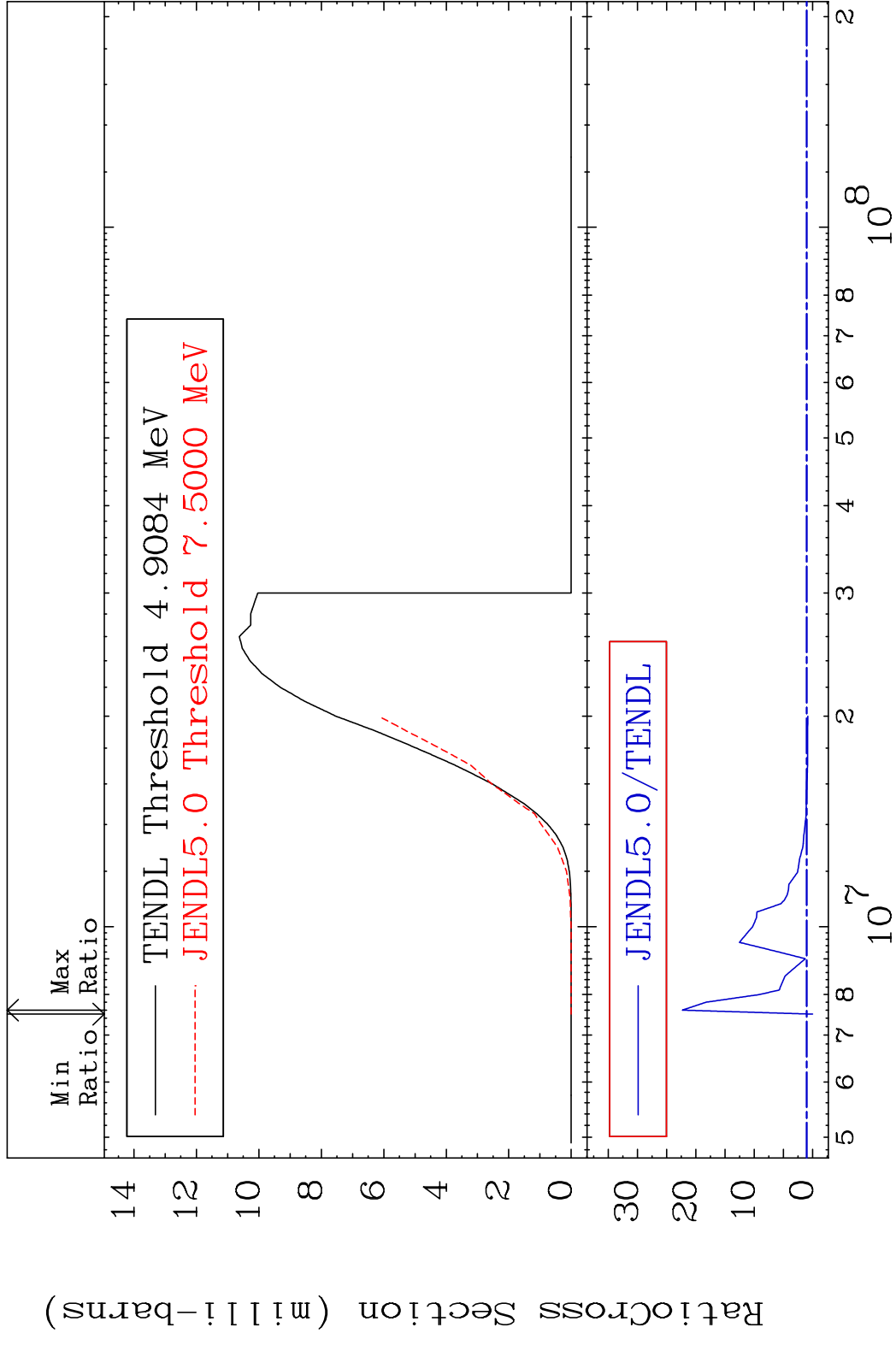


MAT 5134 (n, n') p:50-Sn-123g 51-Sb-124
 Radionuclide Production Cross Section 133.8 %

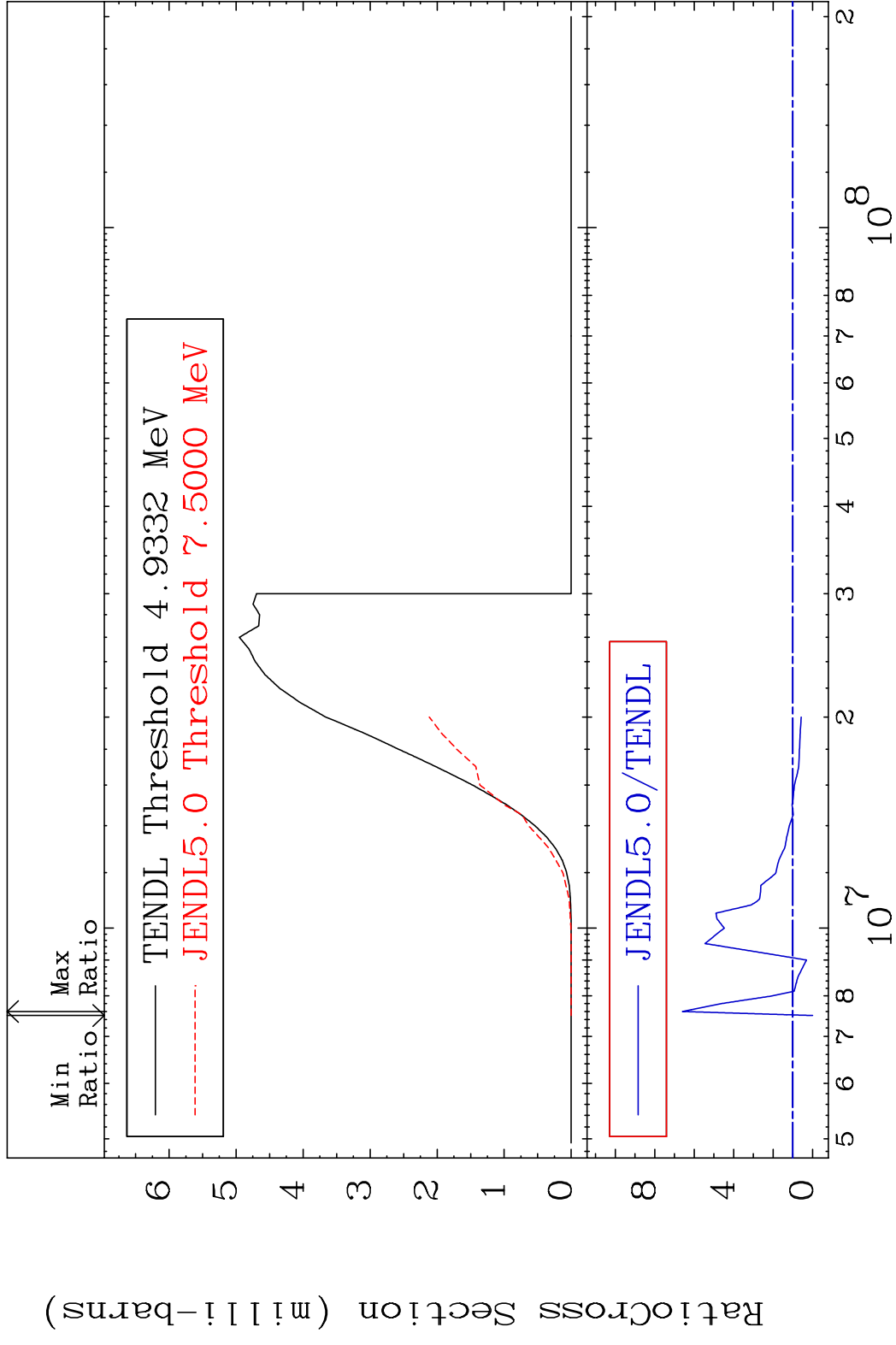


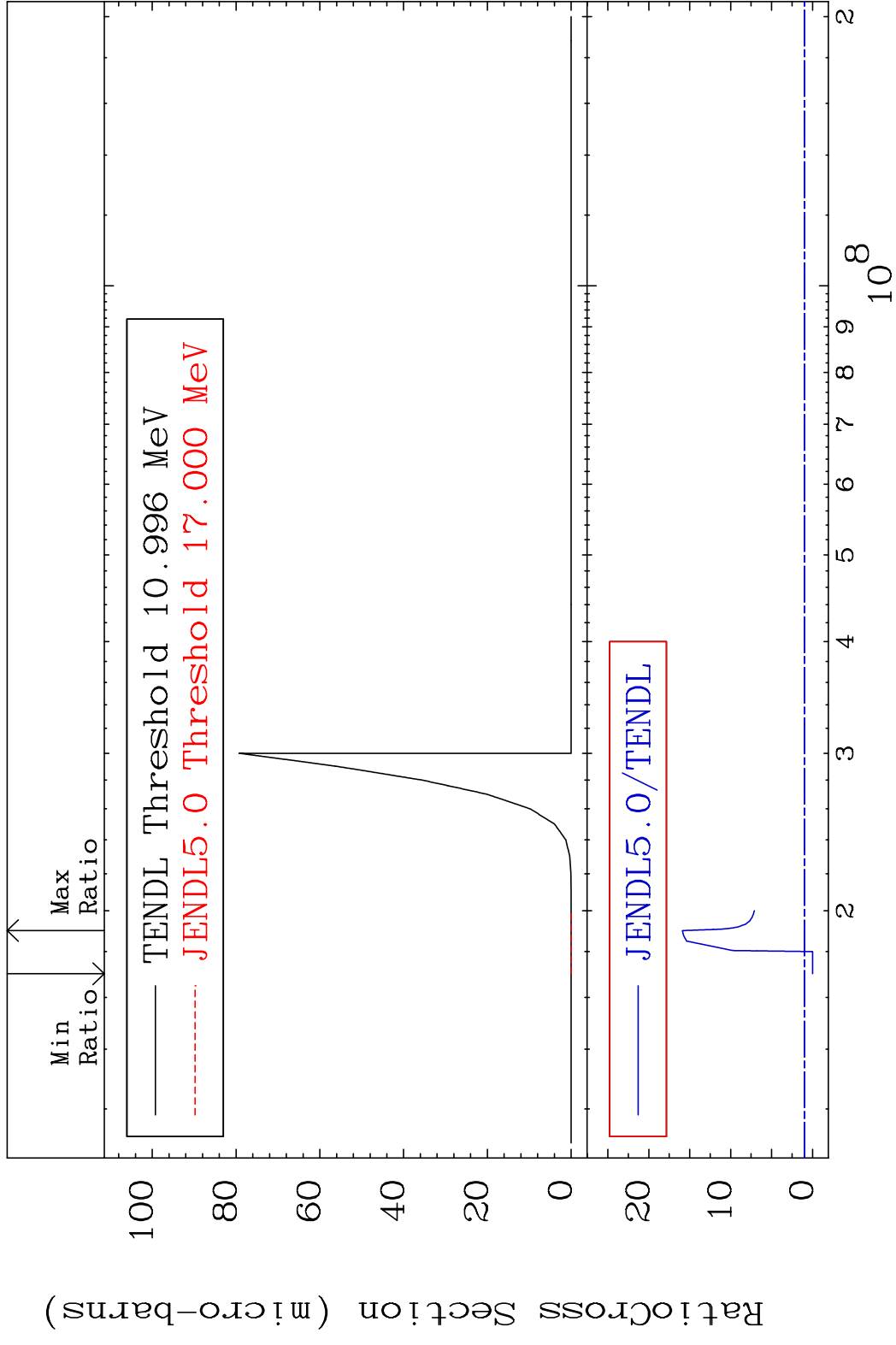
70 Incident Energy (eV) 51-Sb-124



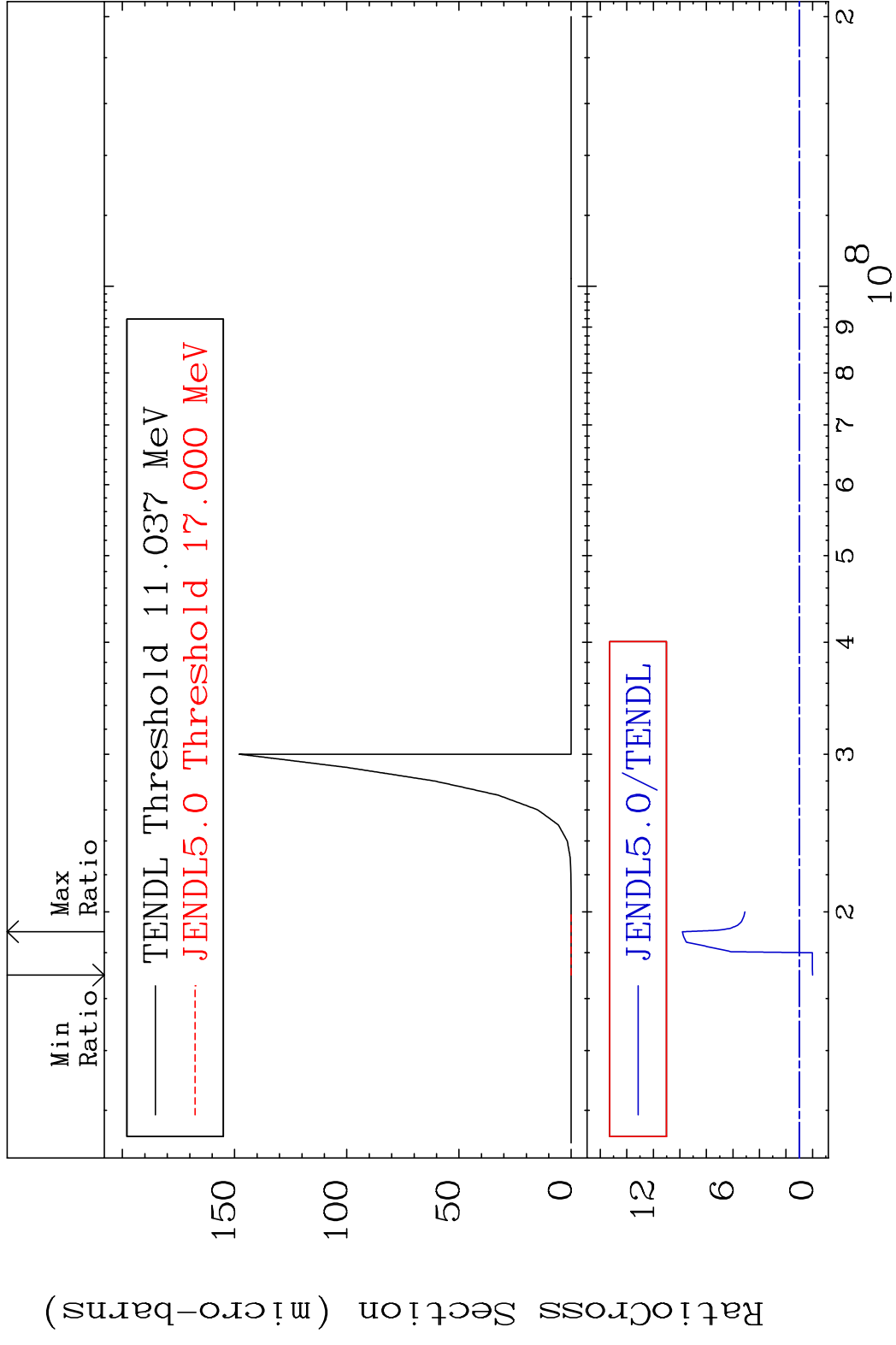


MAT 5134 (n, d):50-Sn-123m1 51-Sb-124
 Radionuclide Production Cross Section 180.0 dth 560.0 %

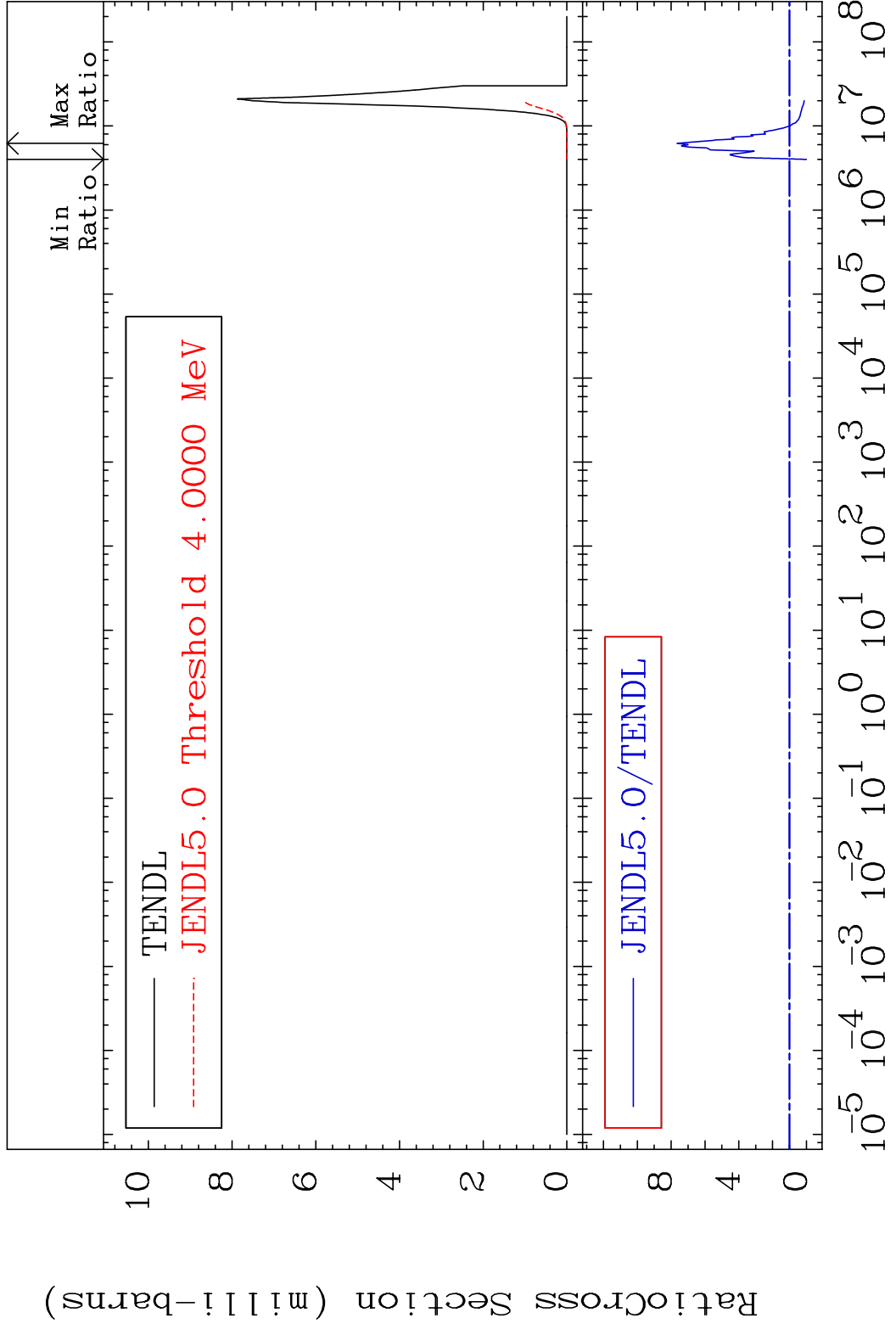




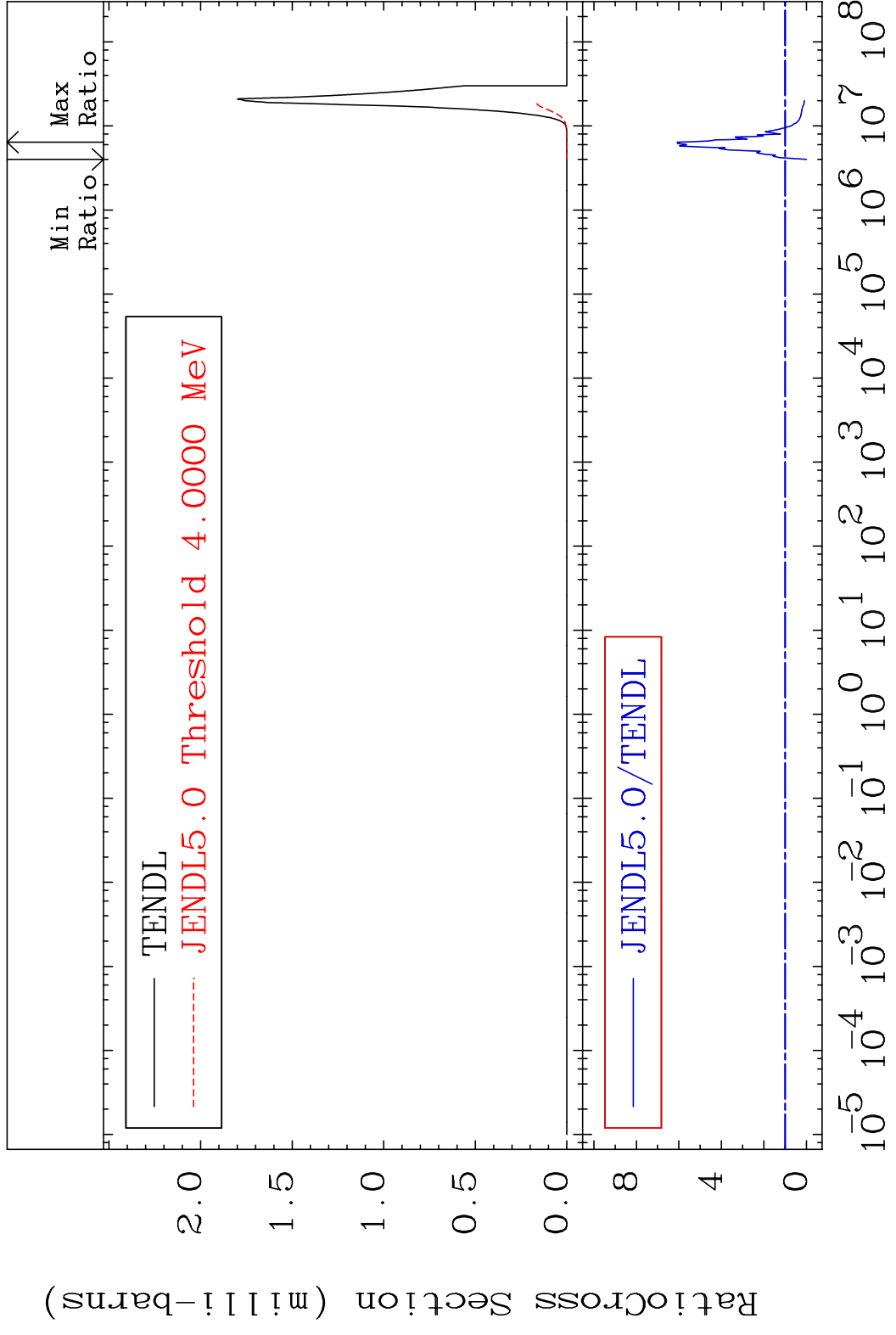
MAT 5134 (n, He-3) : 49-In-122m1 51-Sb-124
 Radionuclide Production Cross Section Ratio 881.3 %



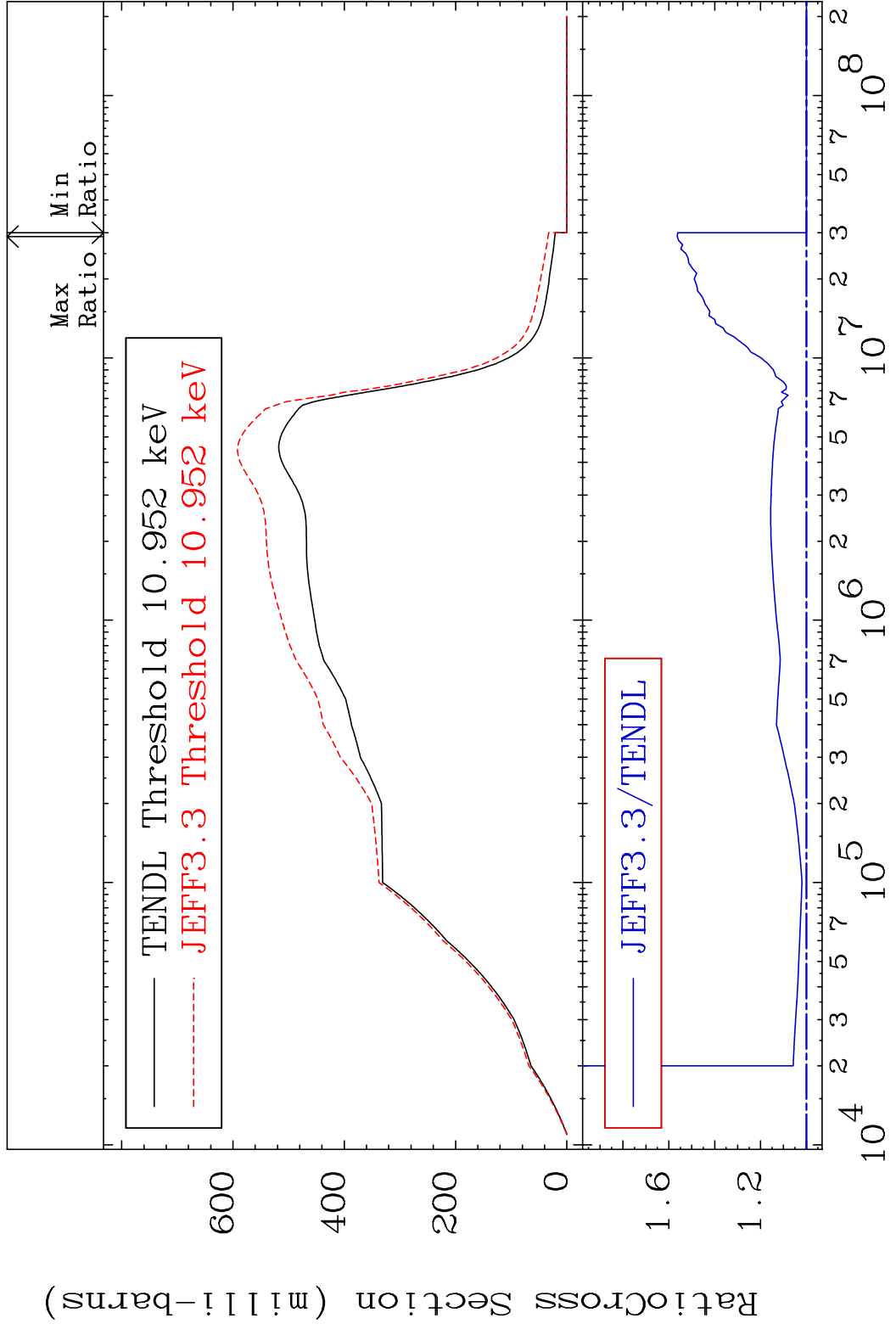
MAT 5134 (n,α):49-In-121g 51-Sb-124
 Radionuclide Production Cross Section 664.3 %

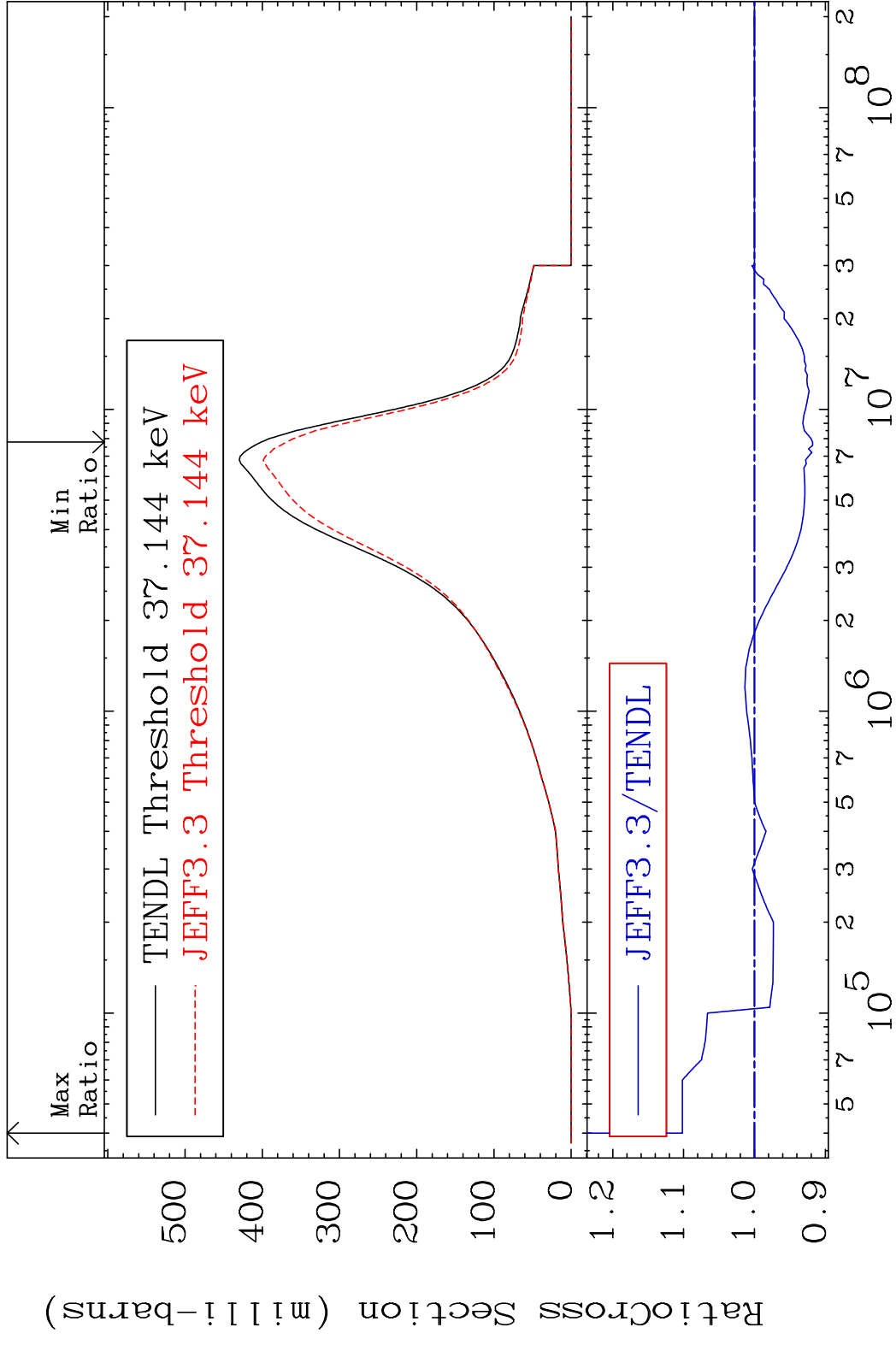


MAT 5134 (n, α): 49-In-121m1 51-Sb-124
 Radionuclide Production Cross Section Ratio 508.0 %

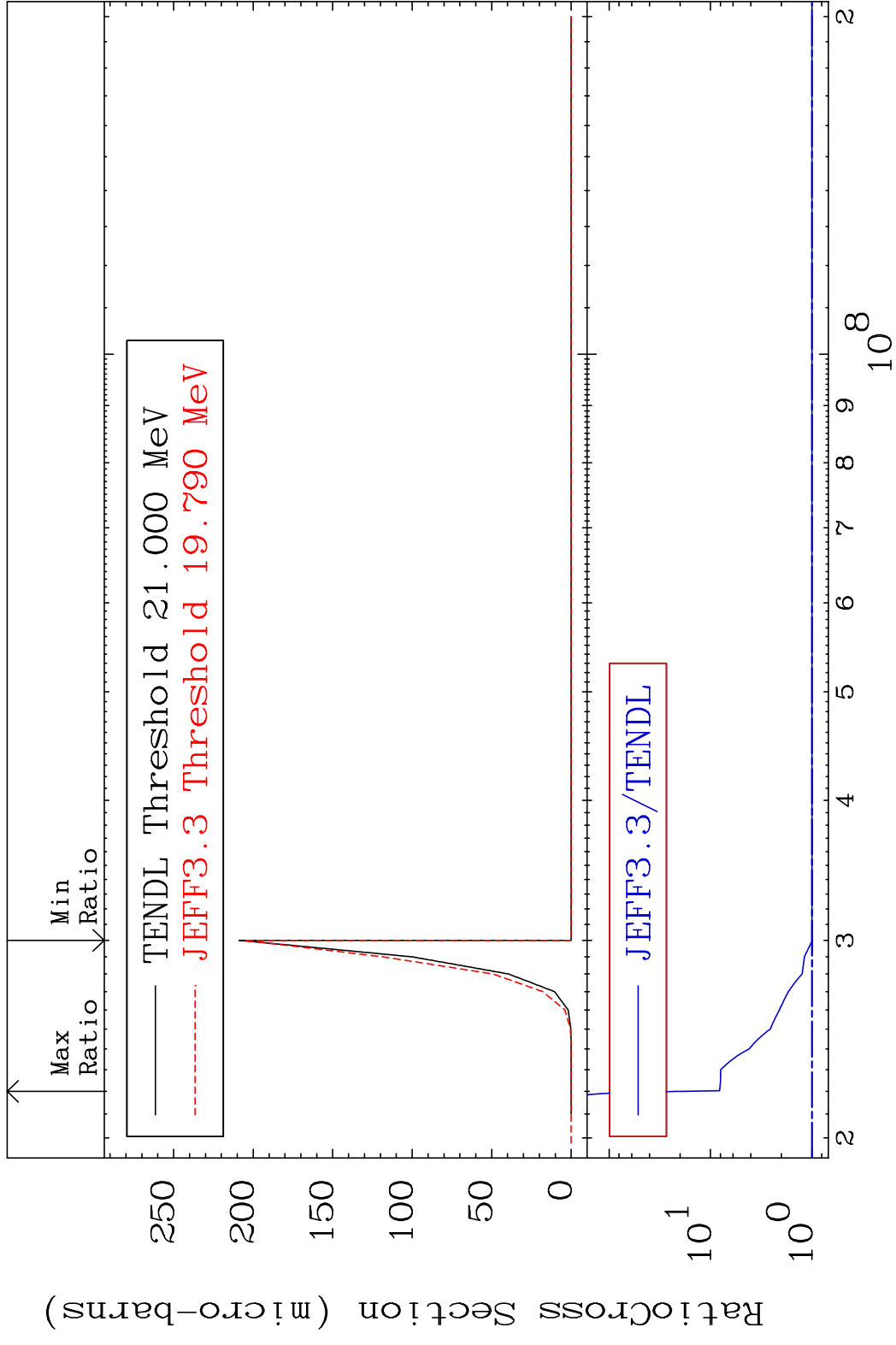


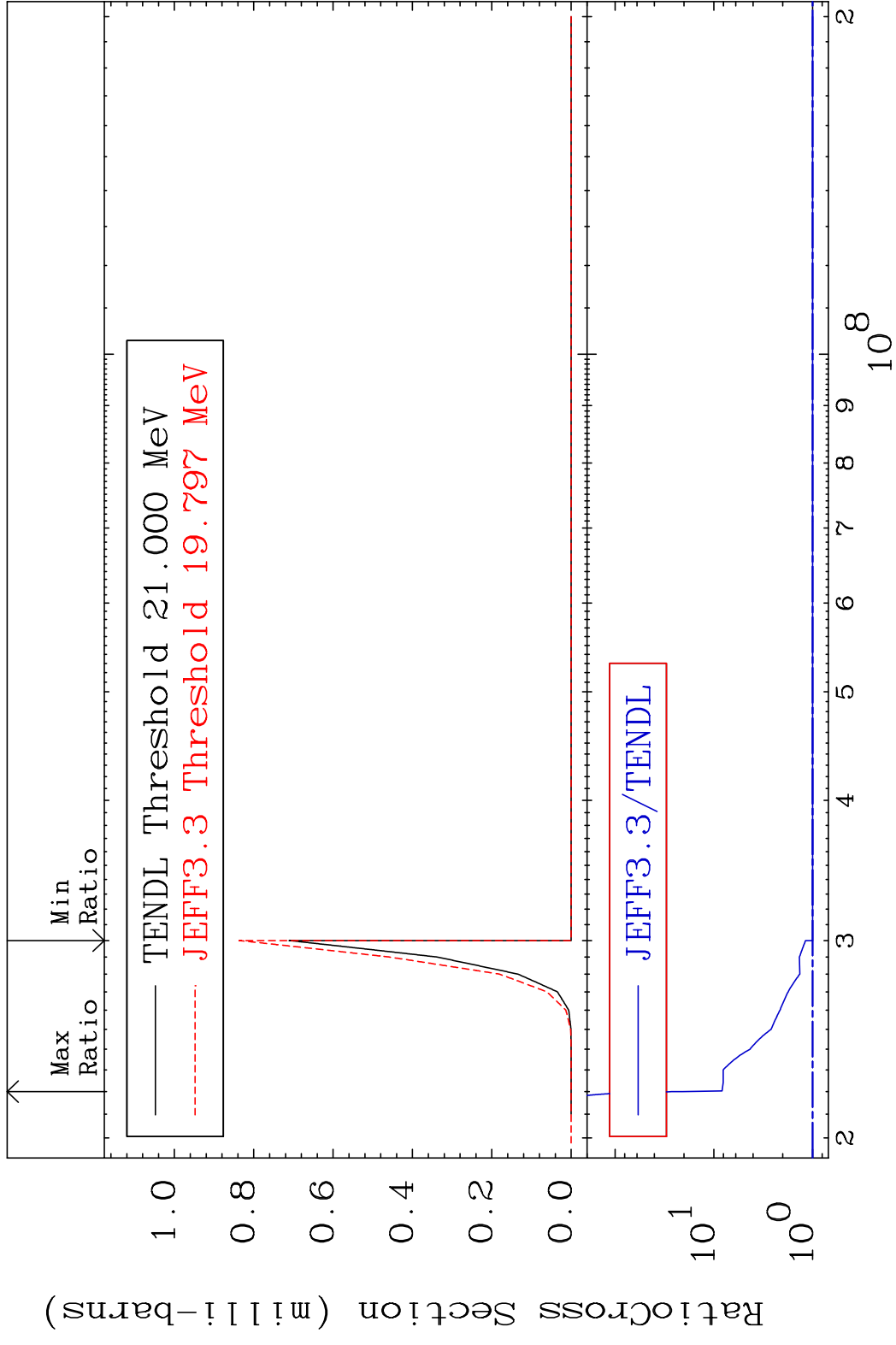
MAT 5134 Inelastic:51-Sb-124m1 51-Sb-124
 Radionuclide Production Cross Section 56.36 %



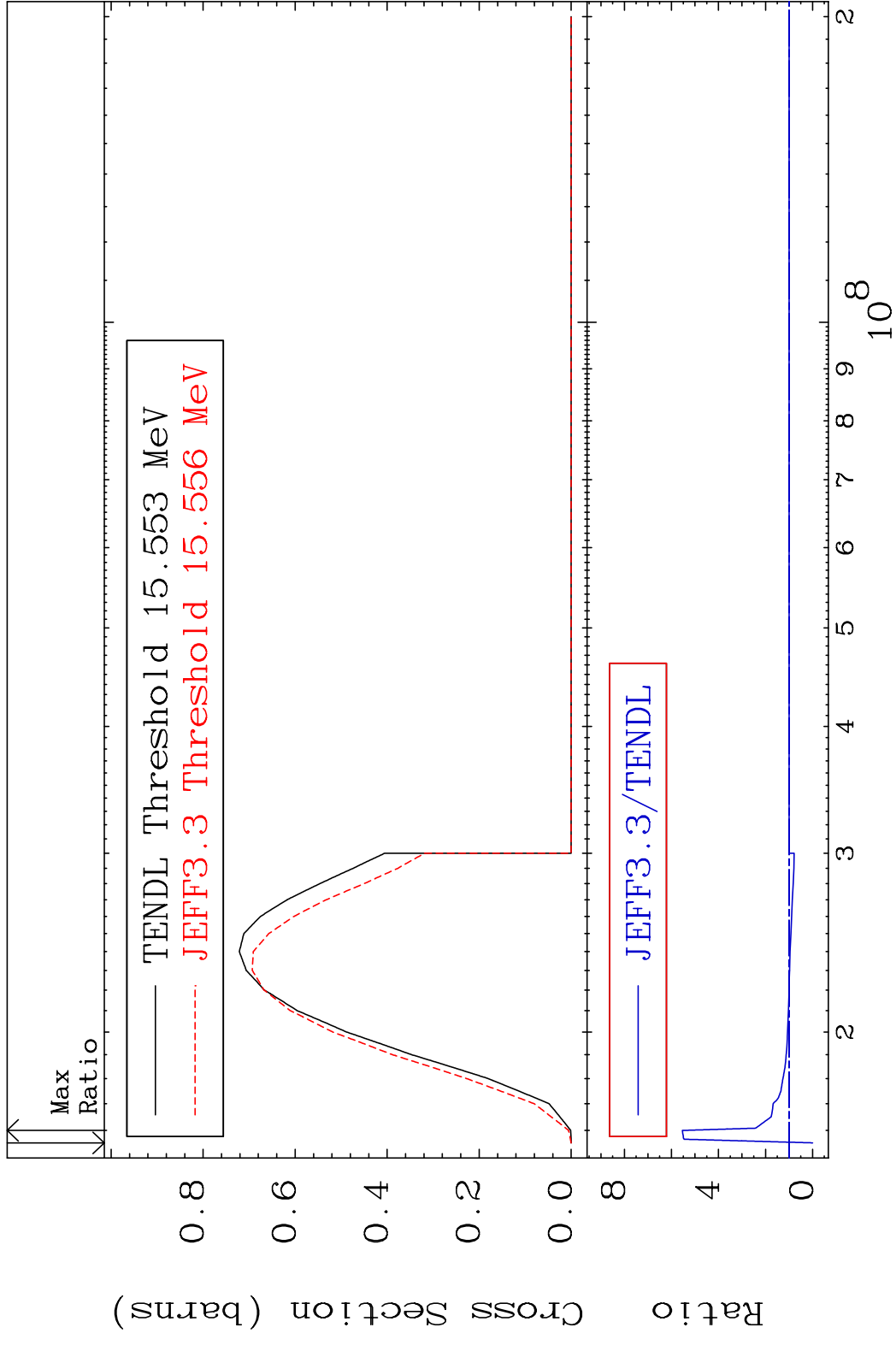


MAT 5134 (n,2n) d:50-Sn-121g 51-Sb-124
 Radionuclide Production Cross Section 1460 d to 1797. %

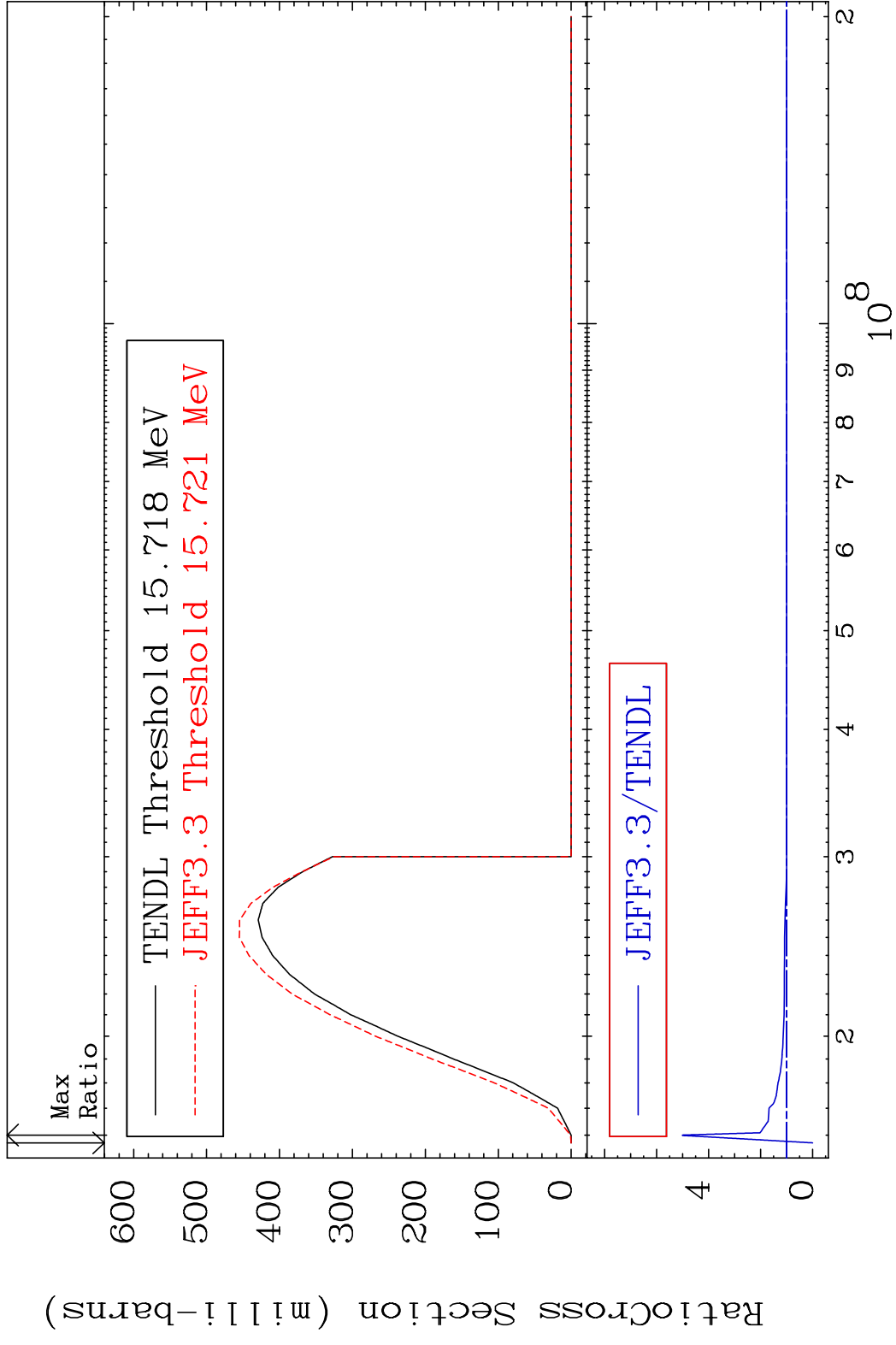




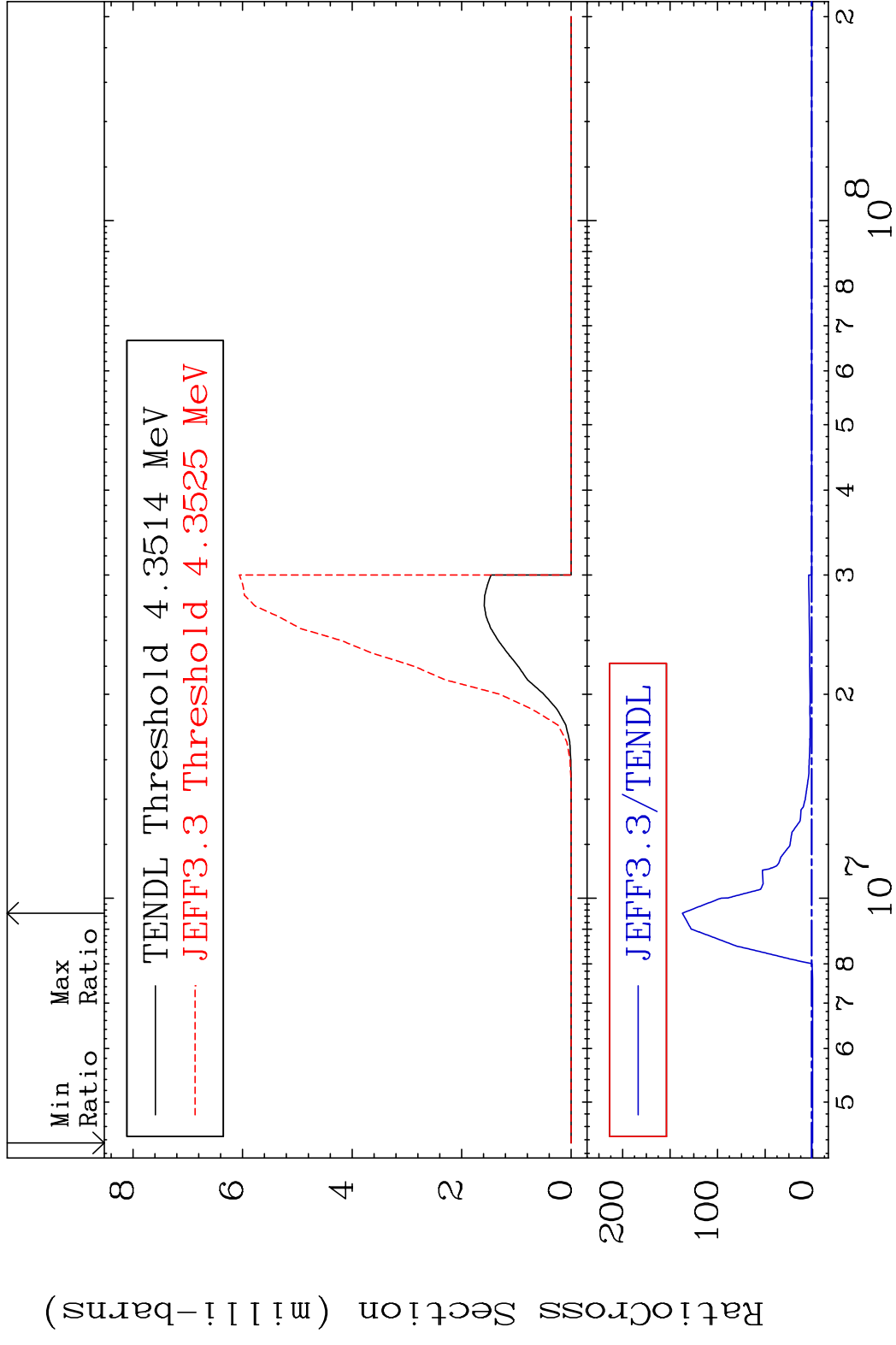
MAT 5134 (n,3n):51-Sb-122g 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 453.6 %

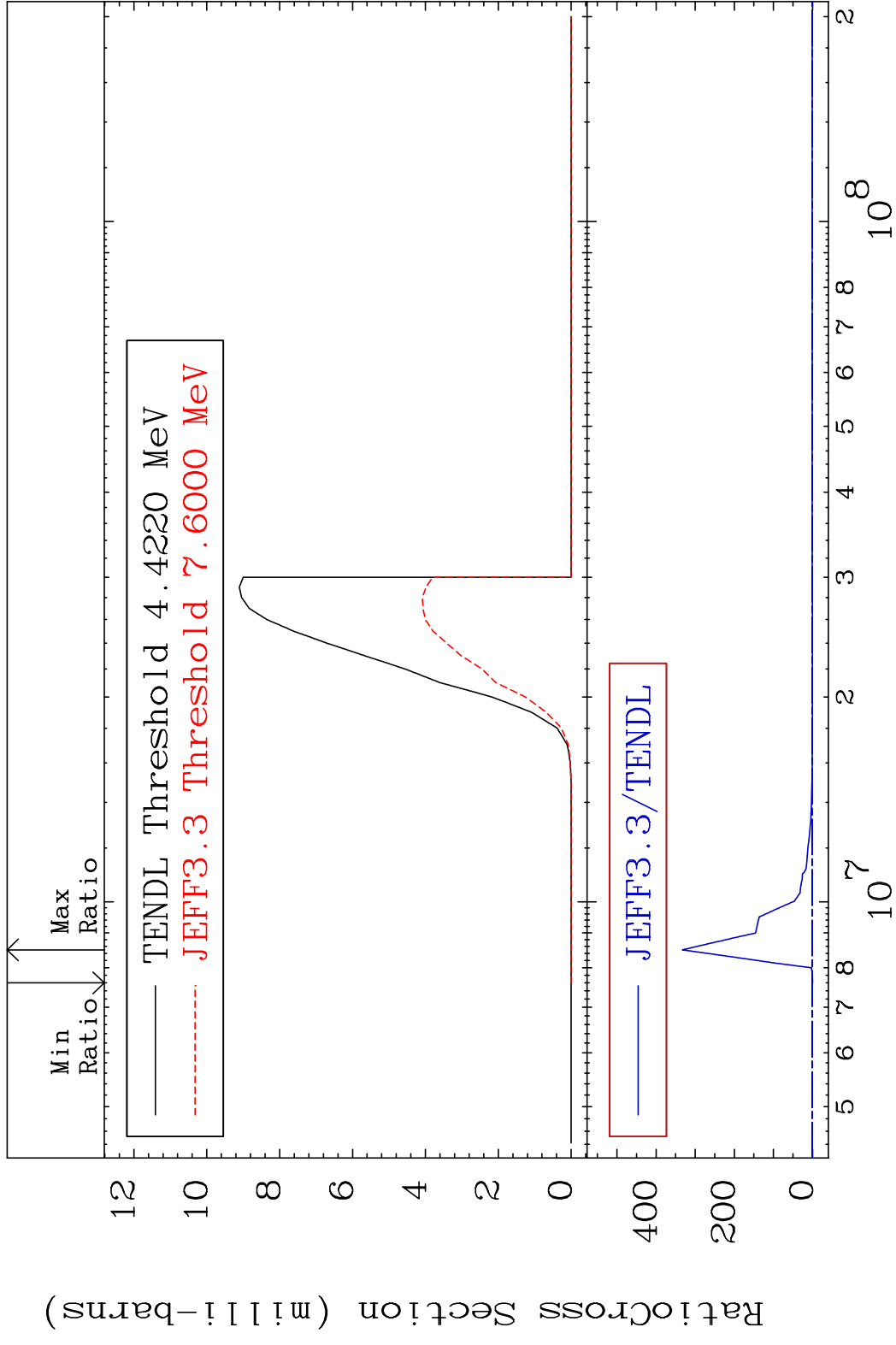


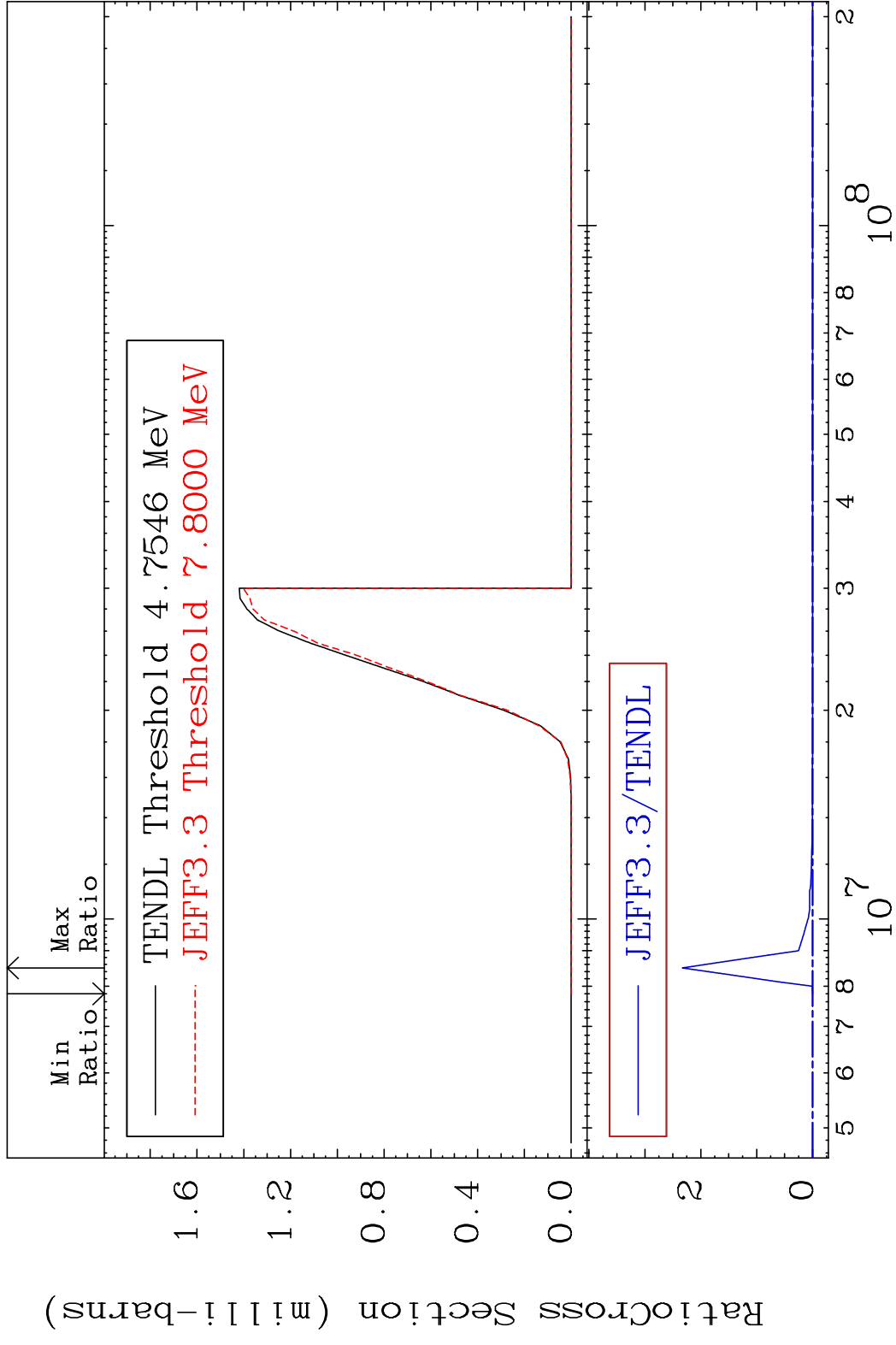
MAT 5134 (n, 3n):51-Sb-122m5 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 400.7 %

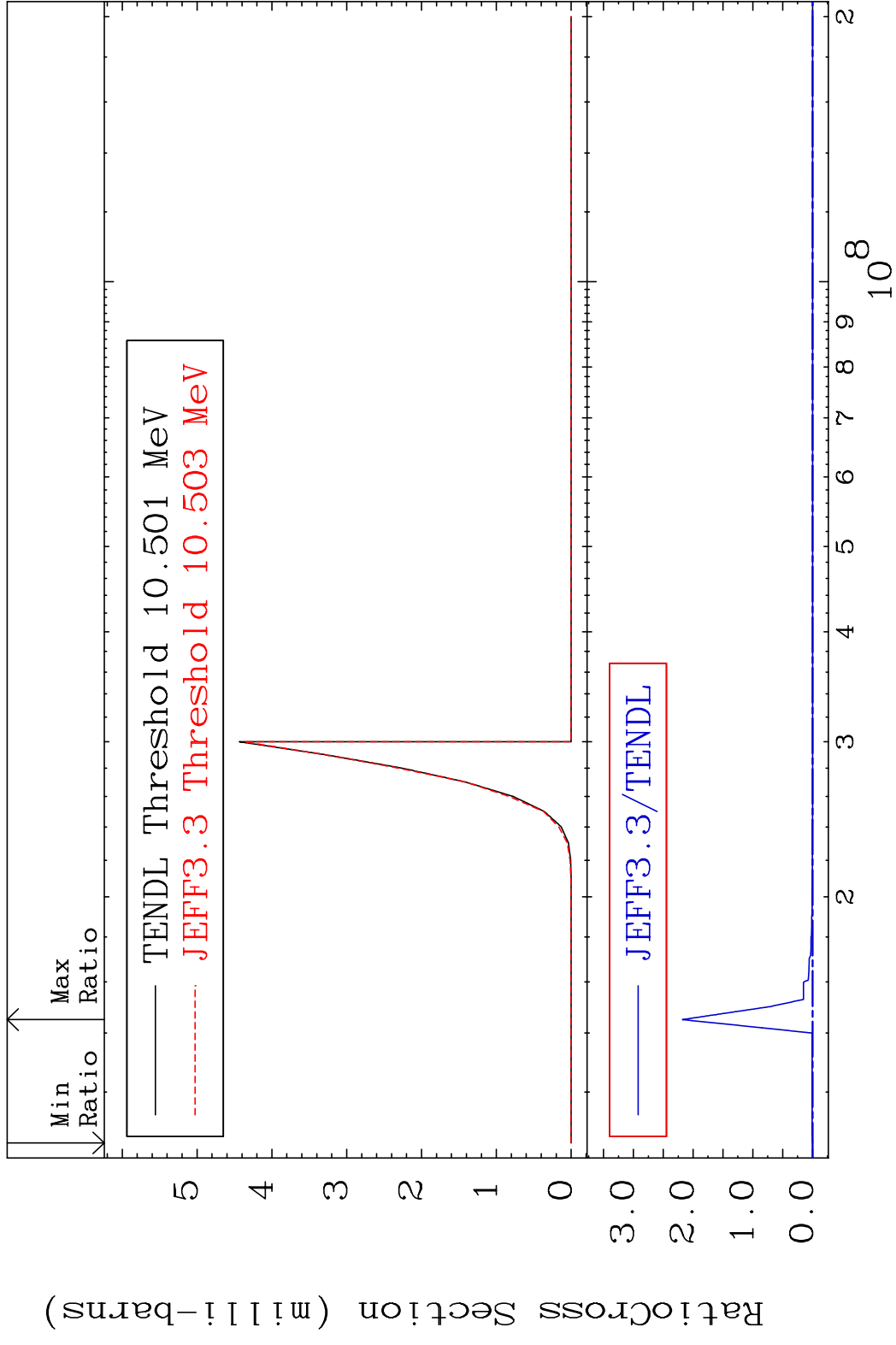


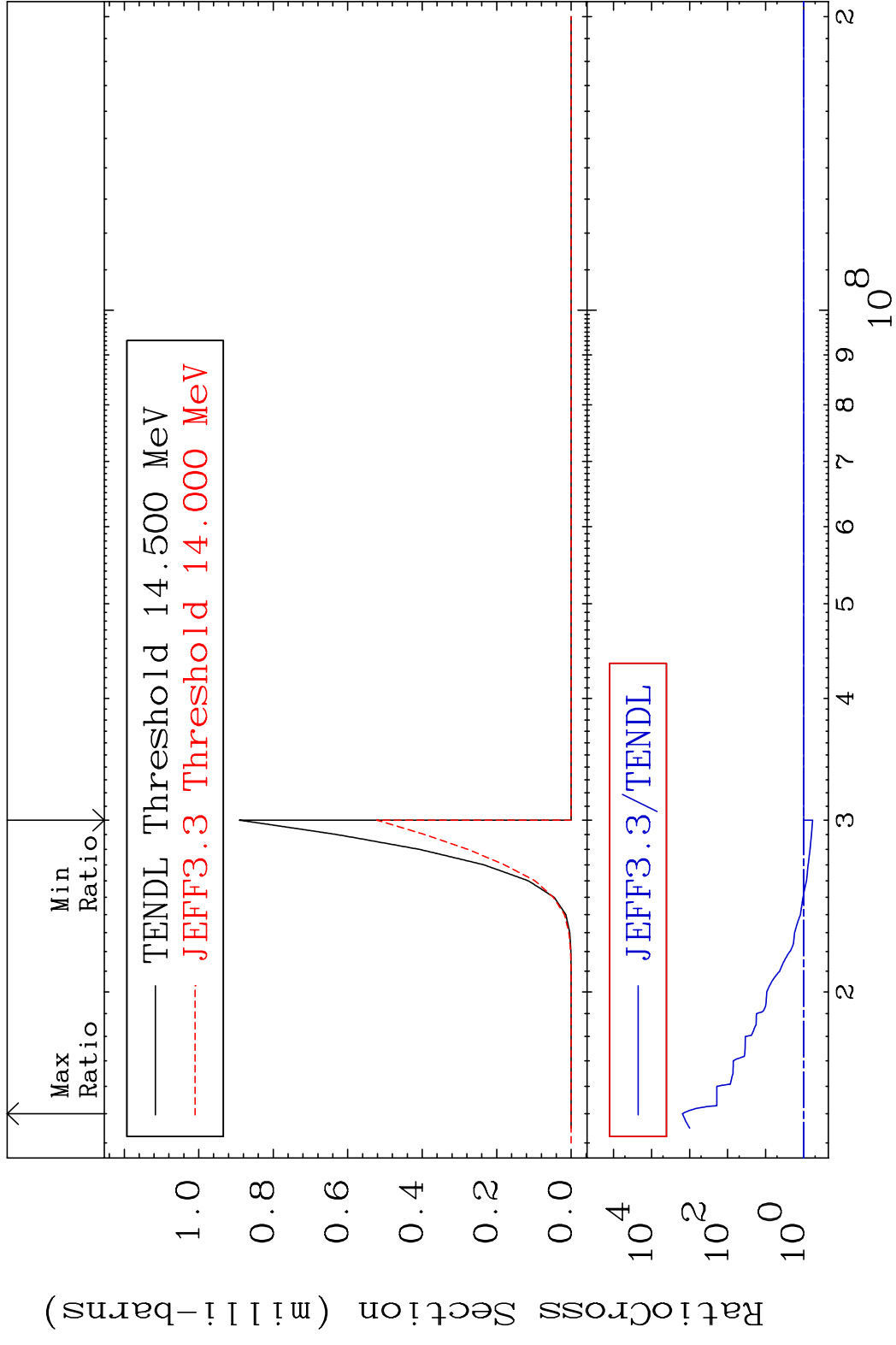
MAT 5134 (n, n') α :49-In-120g 51-Sb-124
 Radionuclide Production Cross Section to 9999. %

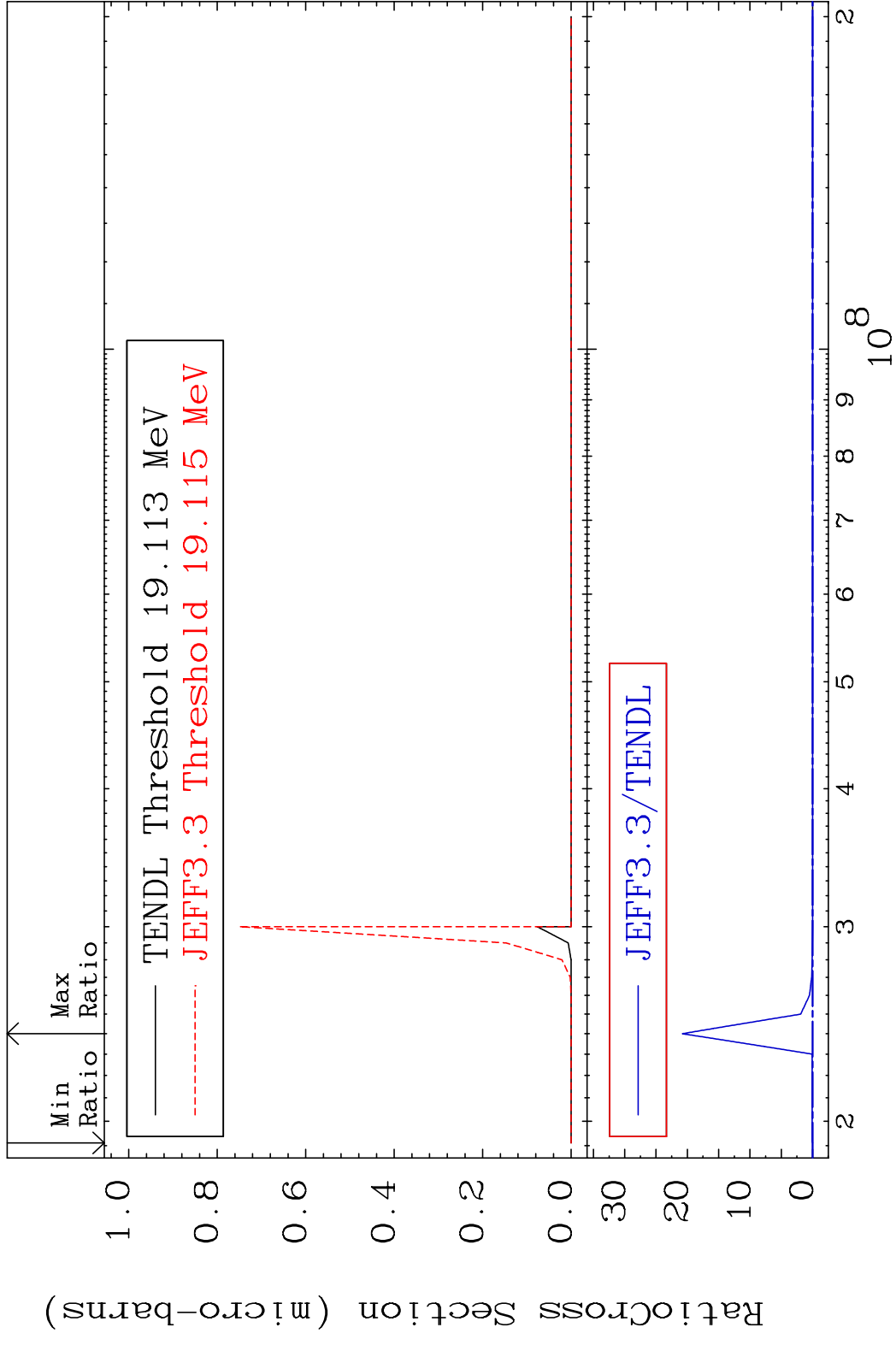




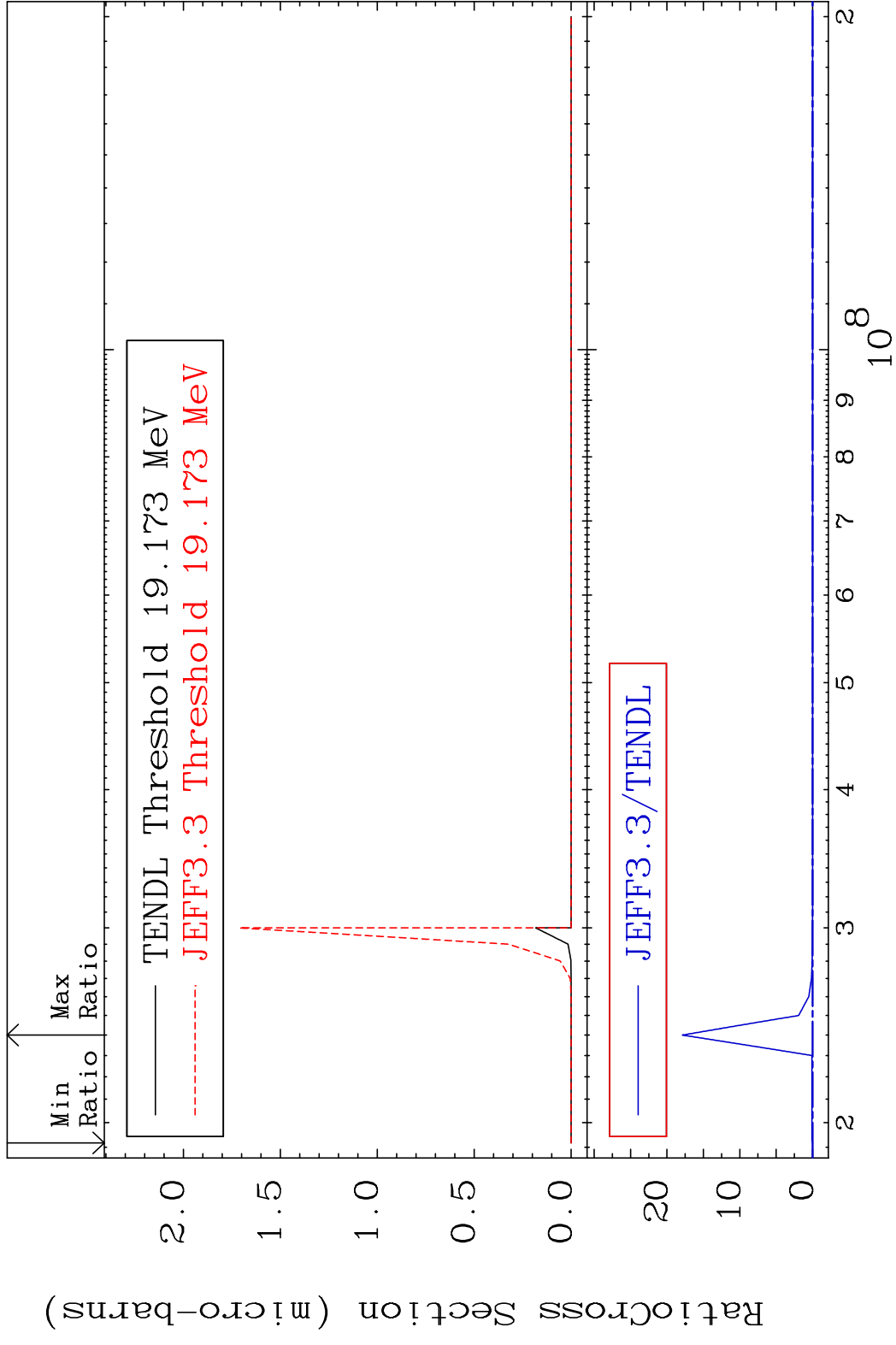


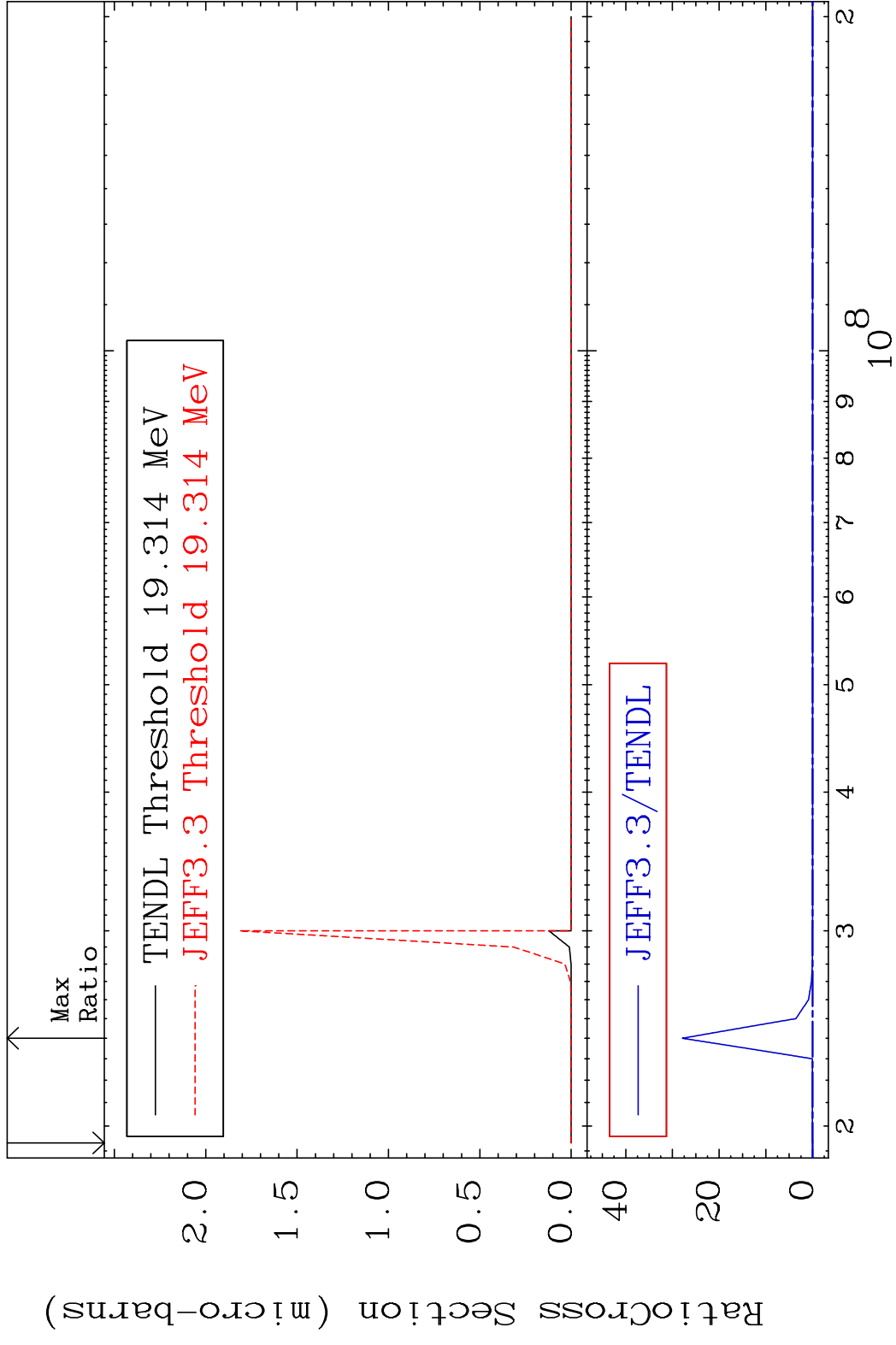




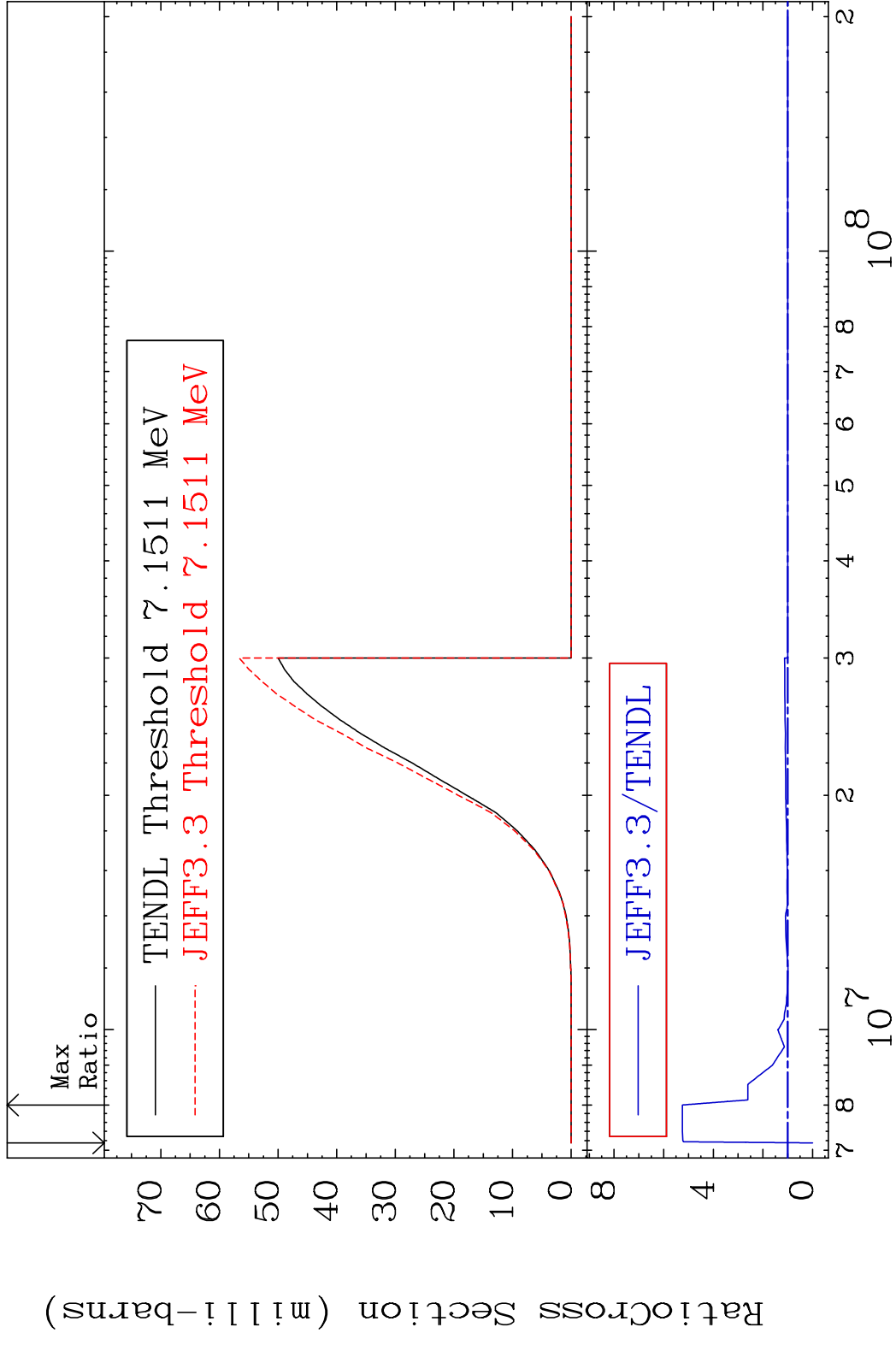


MAT 5134 (n,3n) α :49-In-118m1 51-Sb-124
 Radionuclide Production Cross Section to 9999. %

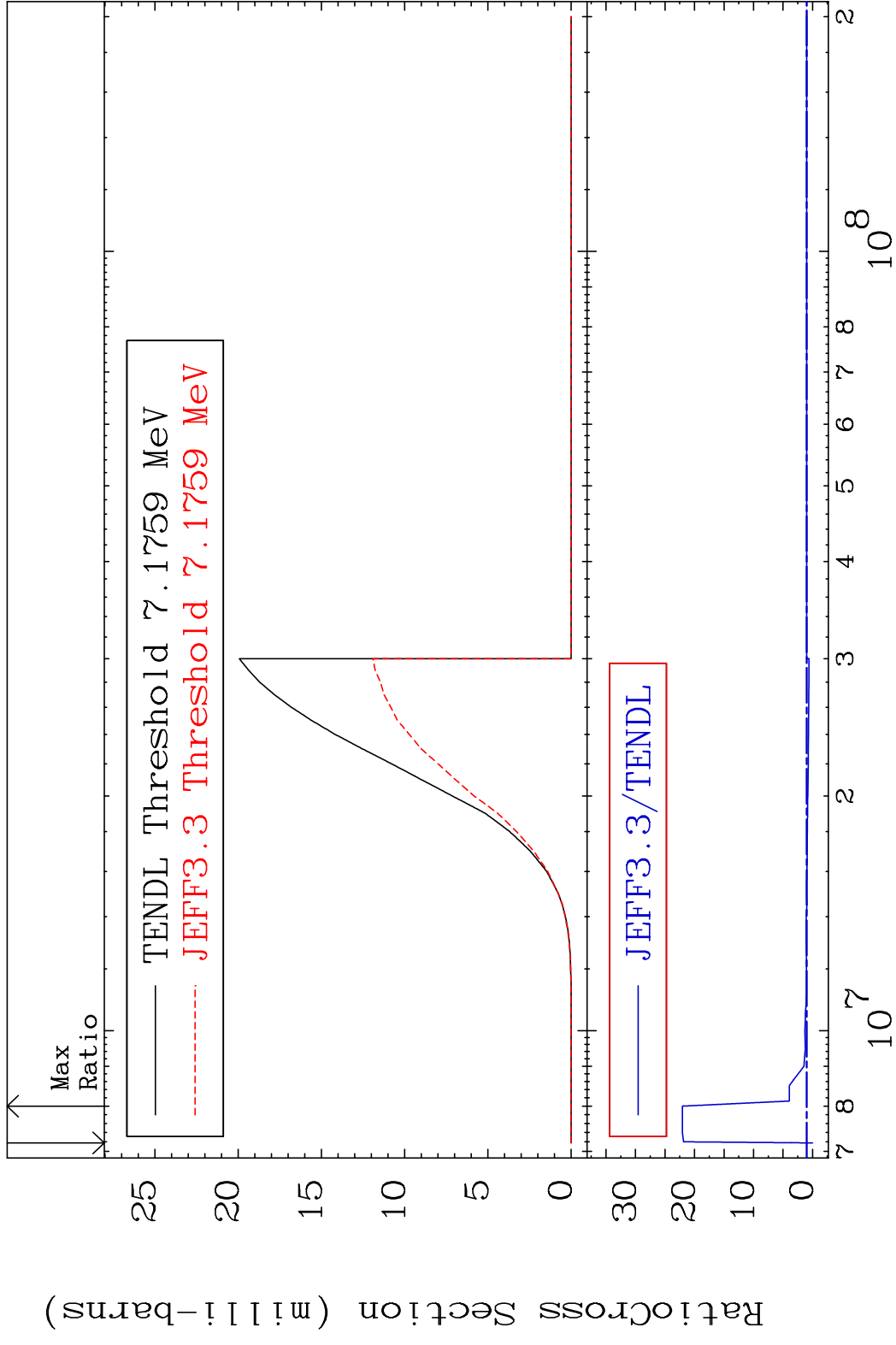




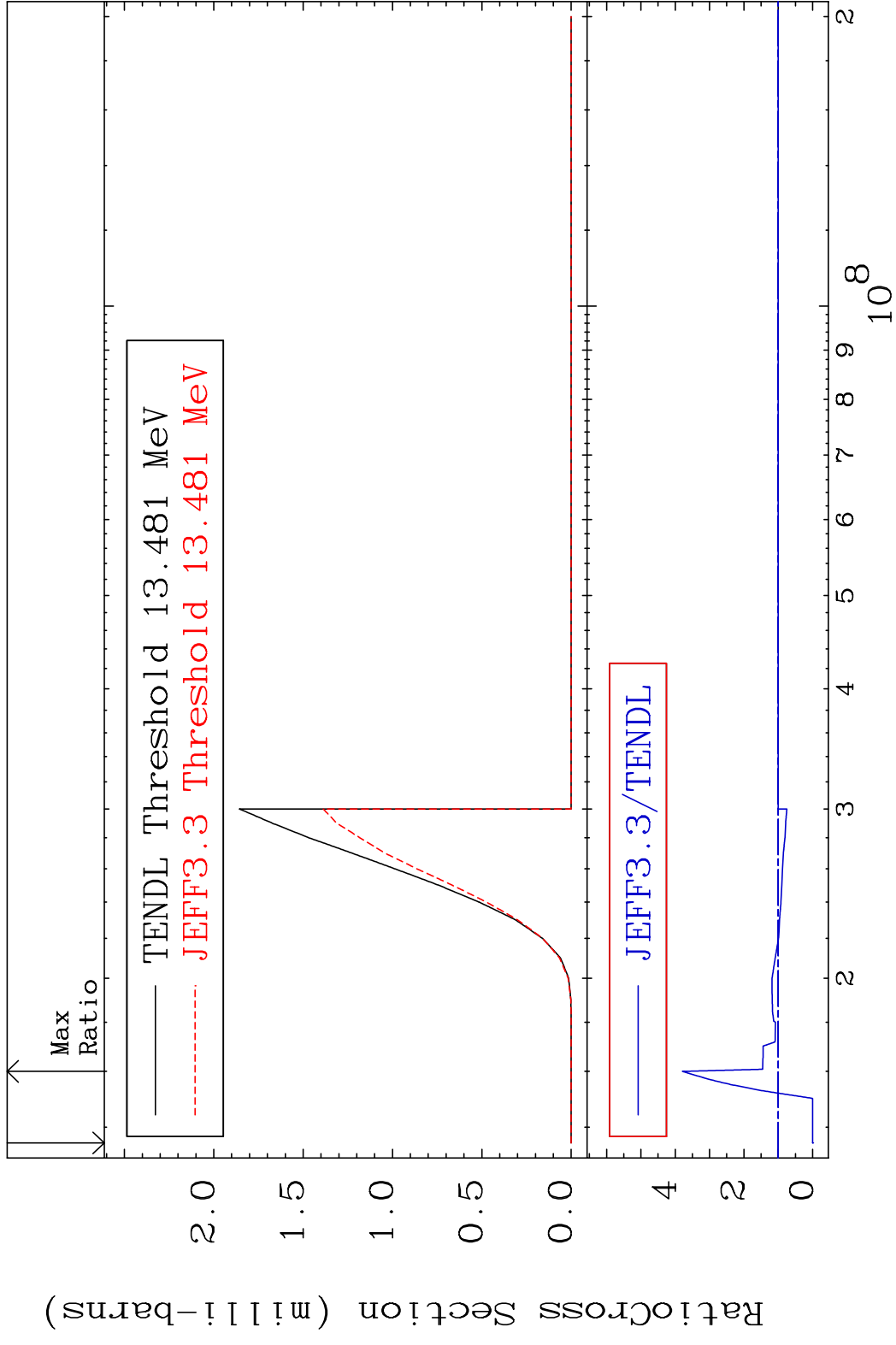
MAT 5134 (n, n') p:50-Sn-123g 51-Sb-124
 Radionuclide Production Cross Section Ratio 424.8 %

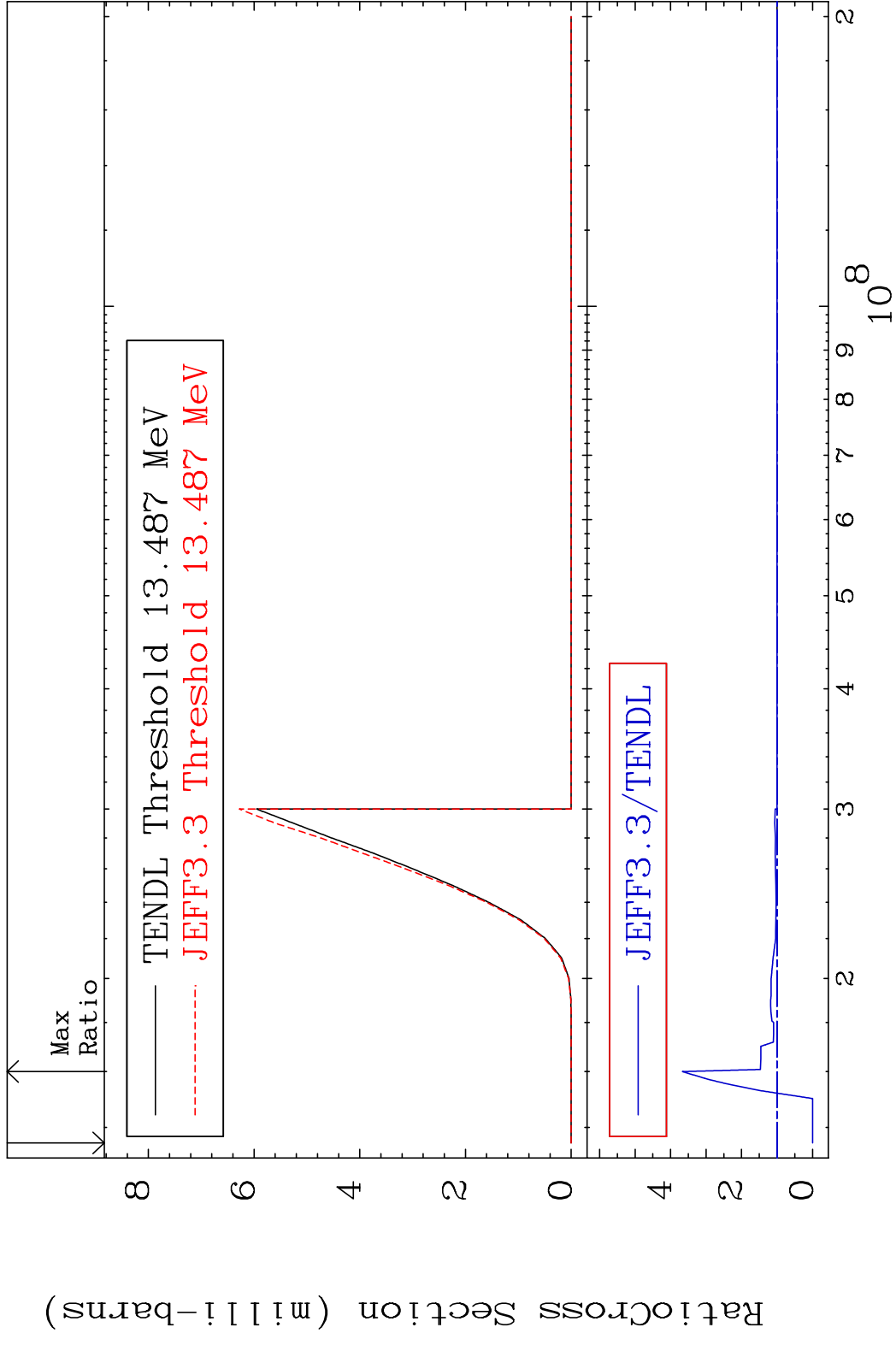


MAT 5134 (n, n') p:50-Sn-123m1 51-Sb-124
 Radionuclide Production Cross Section Ratio 2106. %

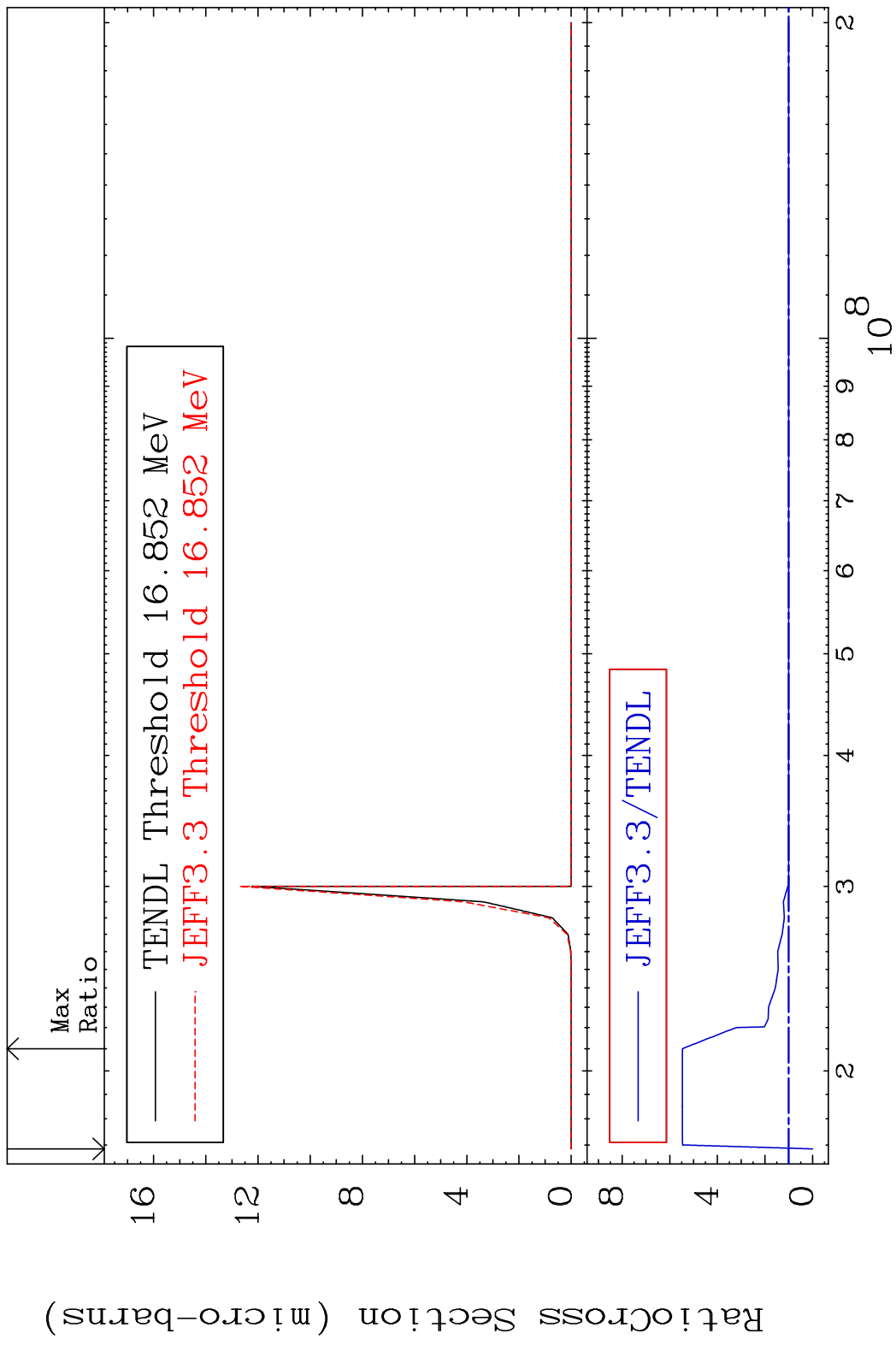


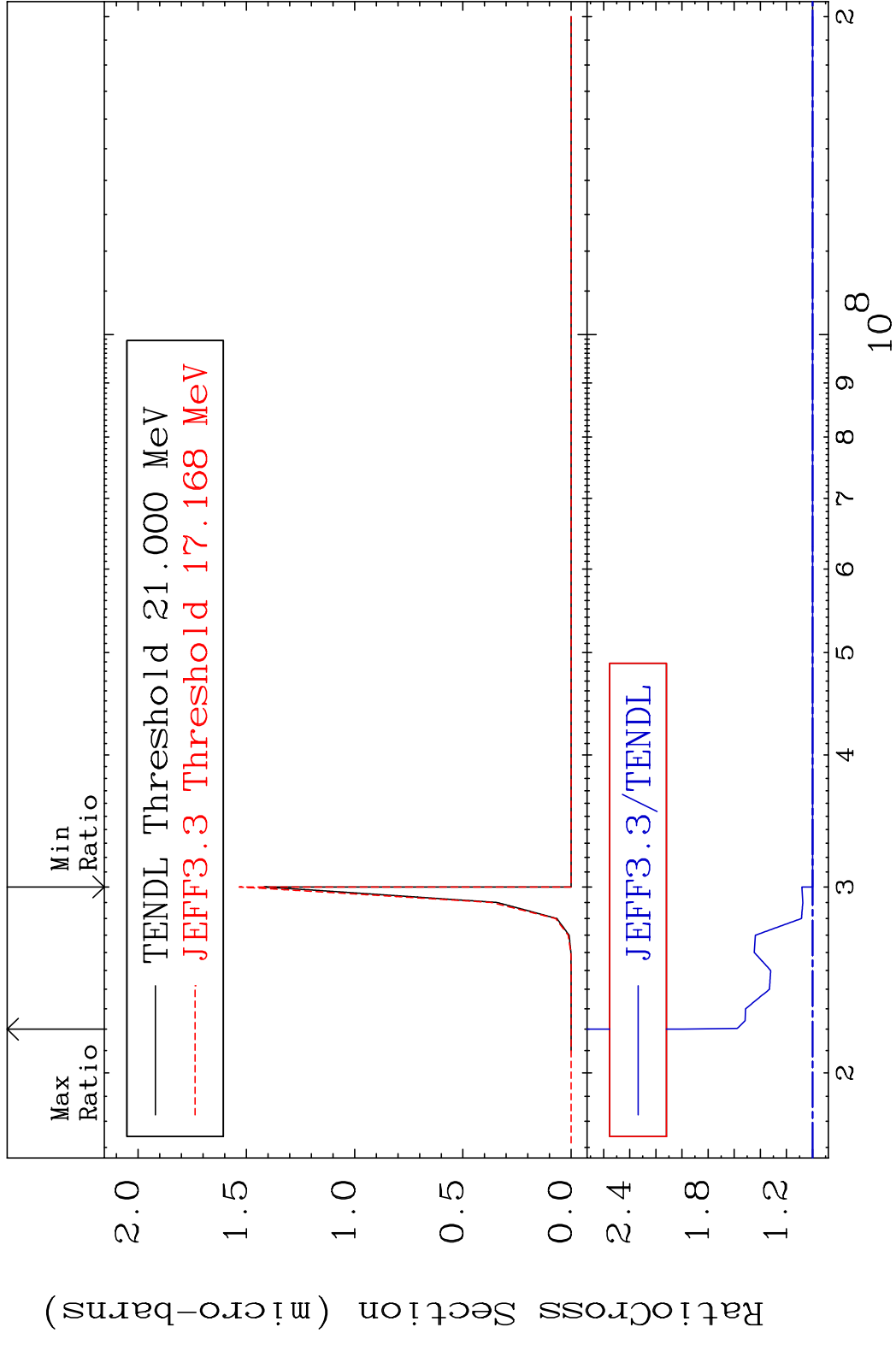
MAT 5134 (n, n') t:50-Sn-121g 51-Sb-124
 Radionuclide Production Cross Section 180.0 dth 279.3 %



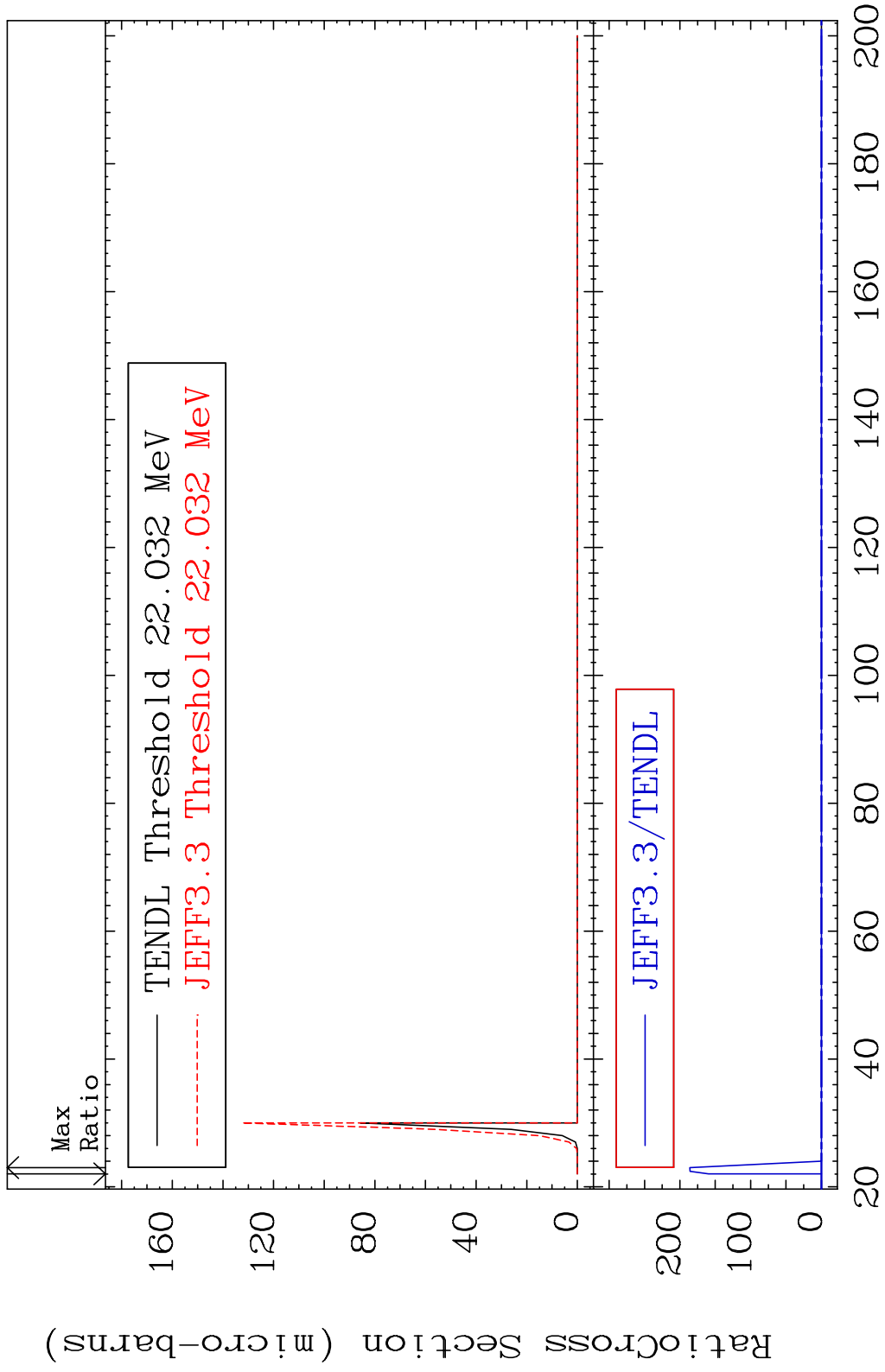


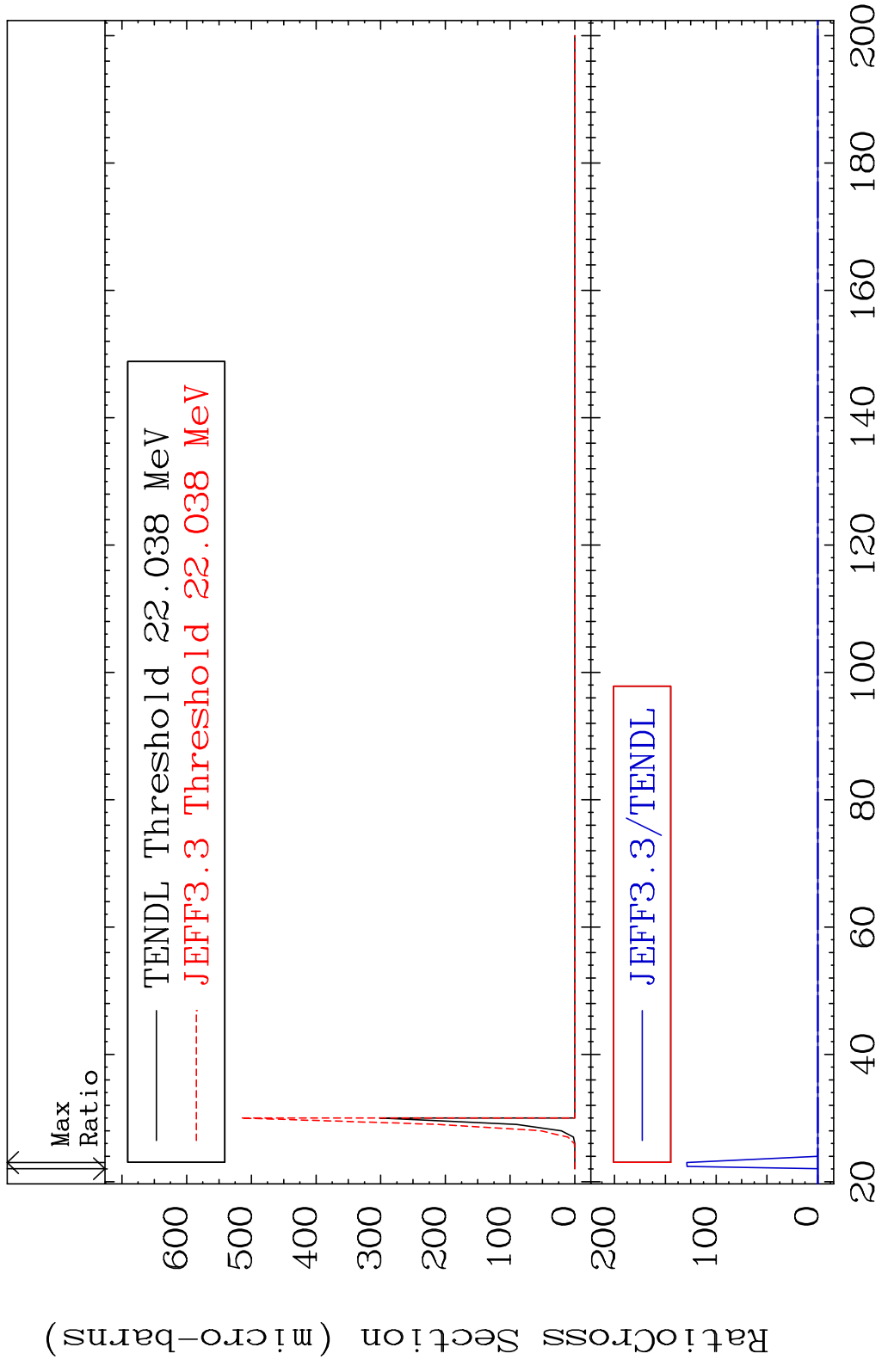
MAT 5134 (n, n') He-3:49-In-121g 51-Sb-124
 Radionuclide Production Cross Section 180.01 dth 447.2 %



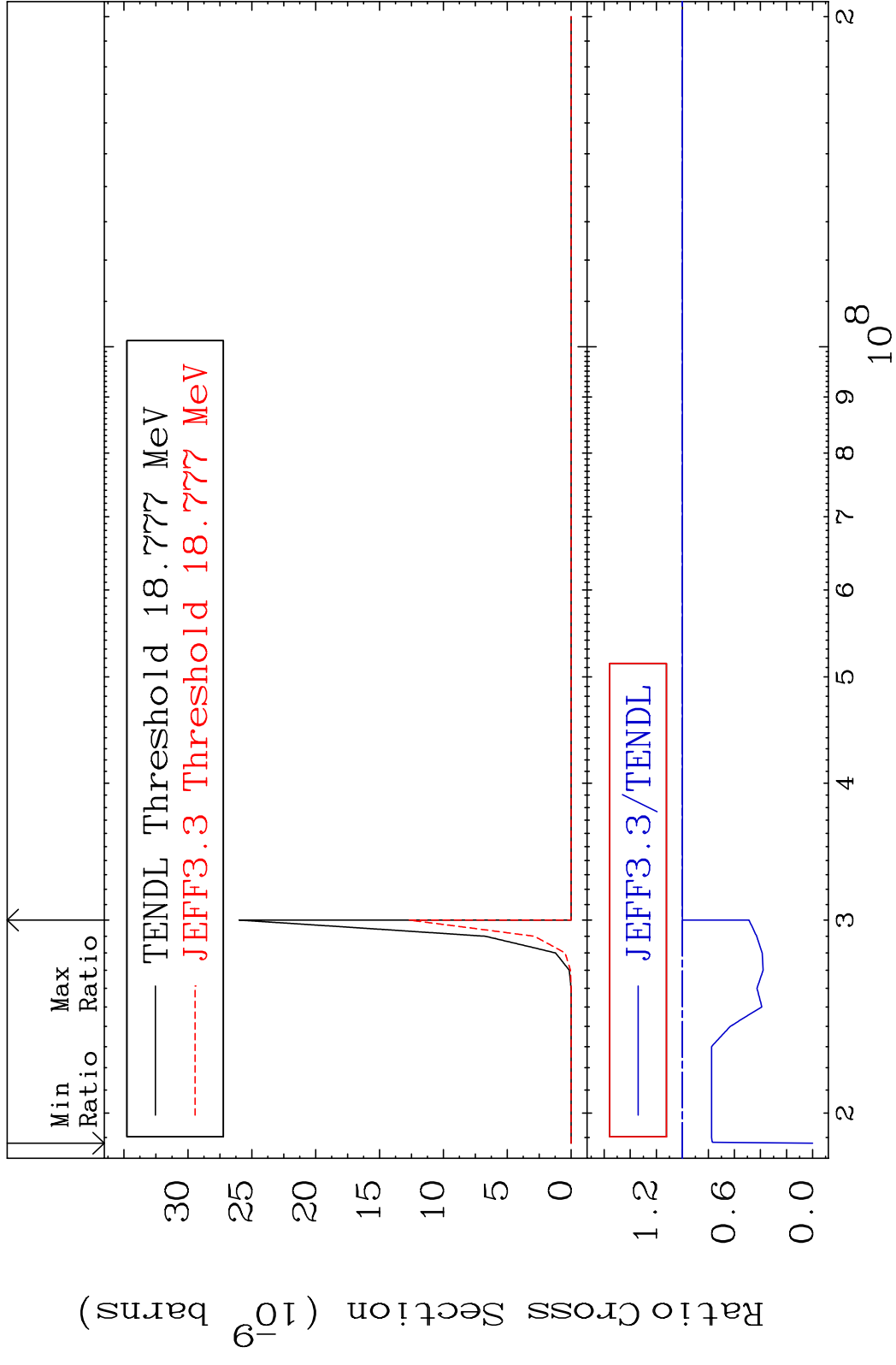


MAT 5134 (n,3n) p:50-Sn-121g 51-Sb-124
 Radionuclide Production Cross Section to 9999. %

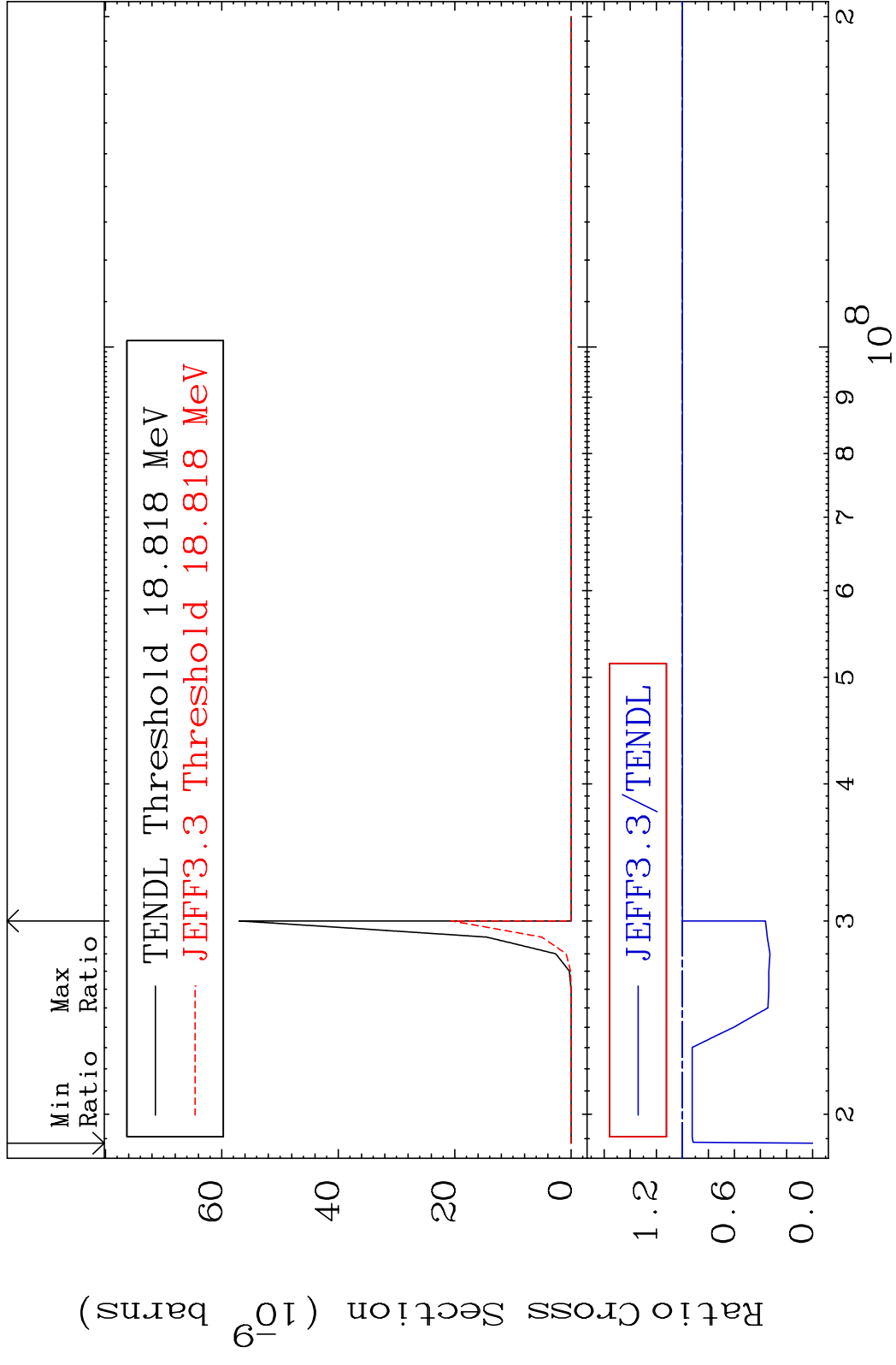


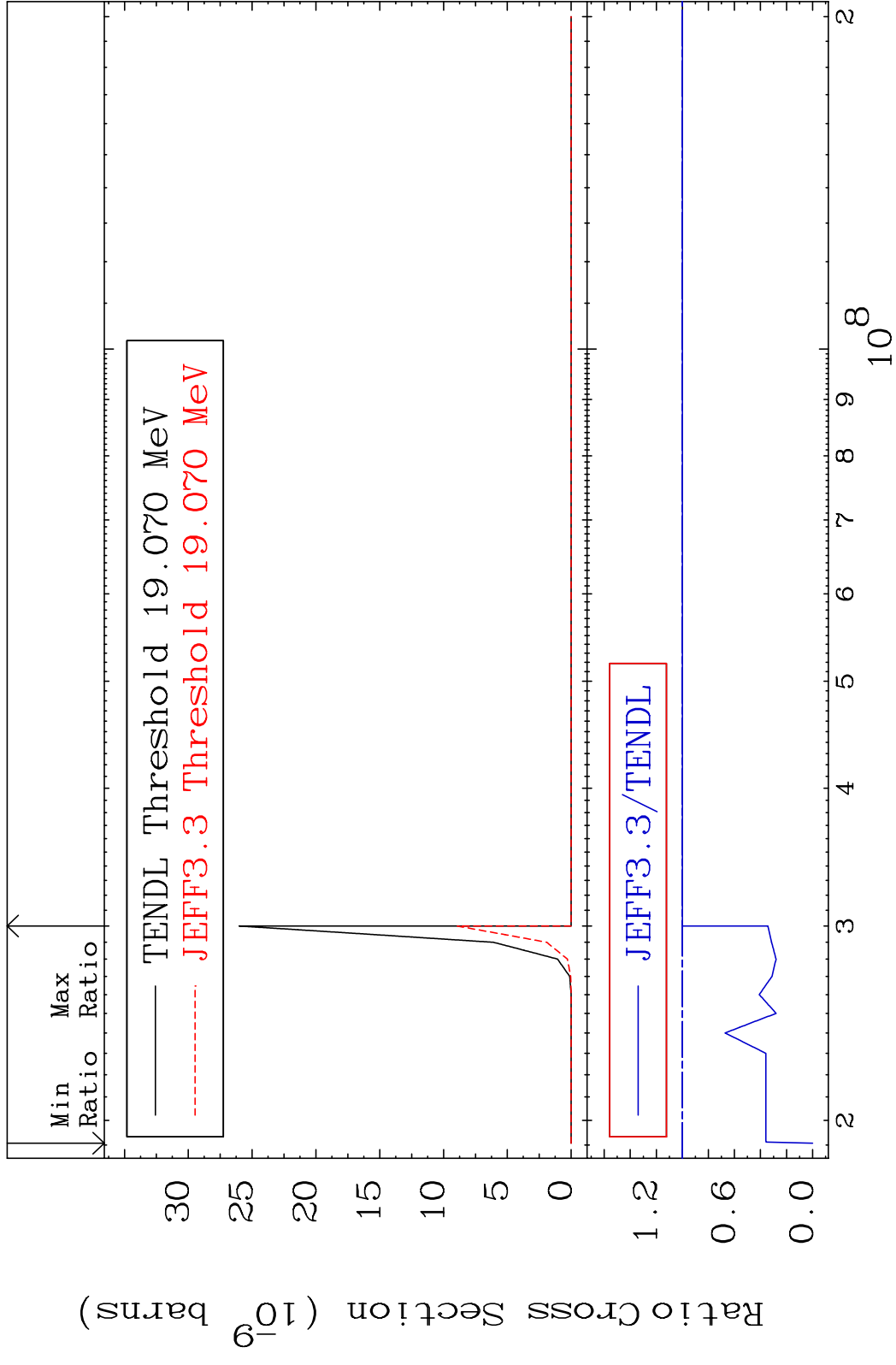


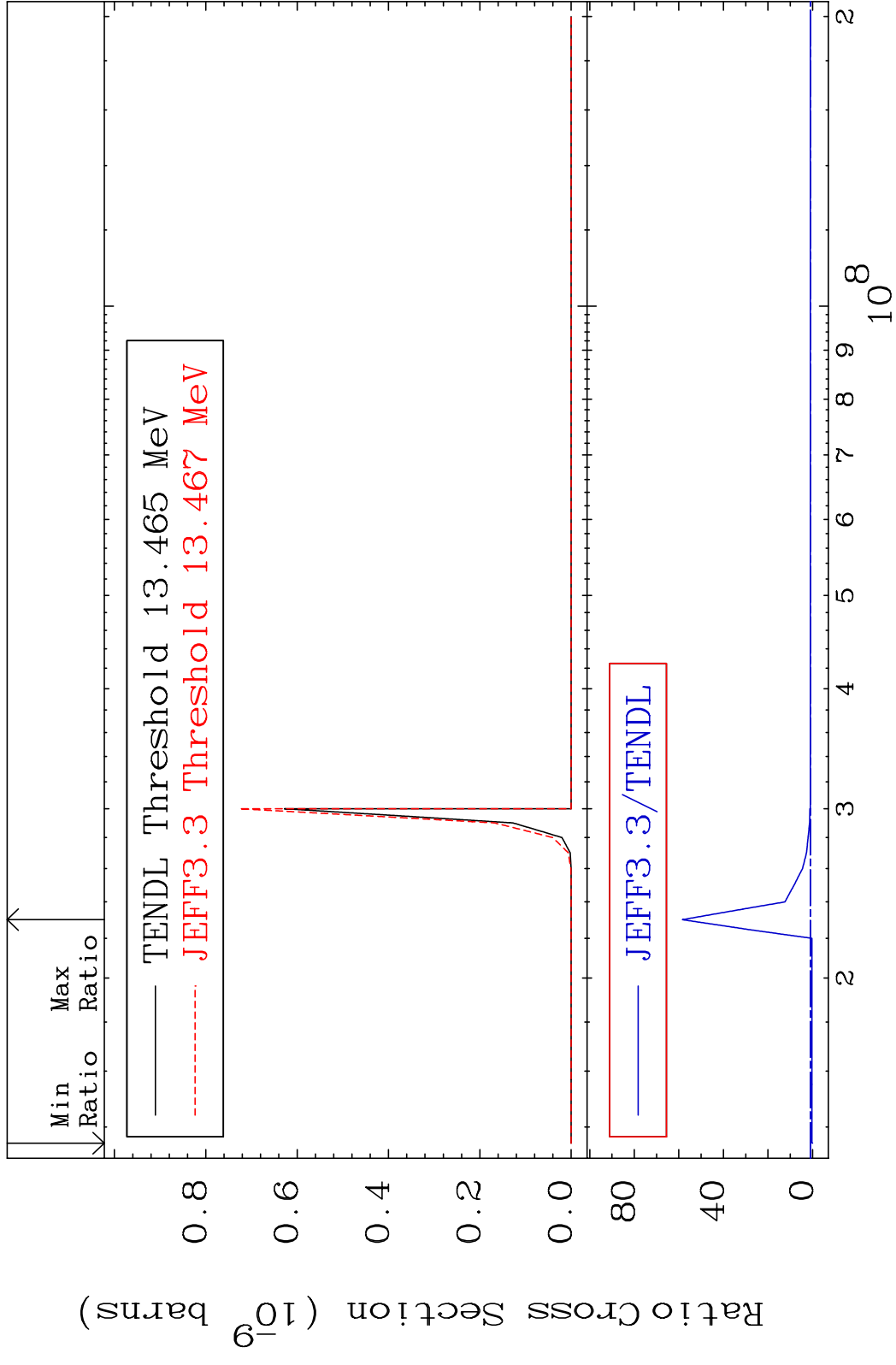
MAT 5134 (n,2n) p:49-In-122g 51-Sb-124
 Radionuclide Production Cross Section 18.777 MeV
 Incident Energy 0.000 %

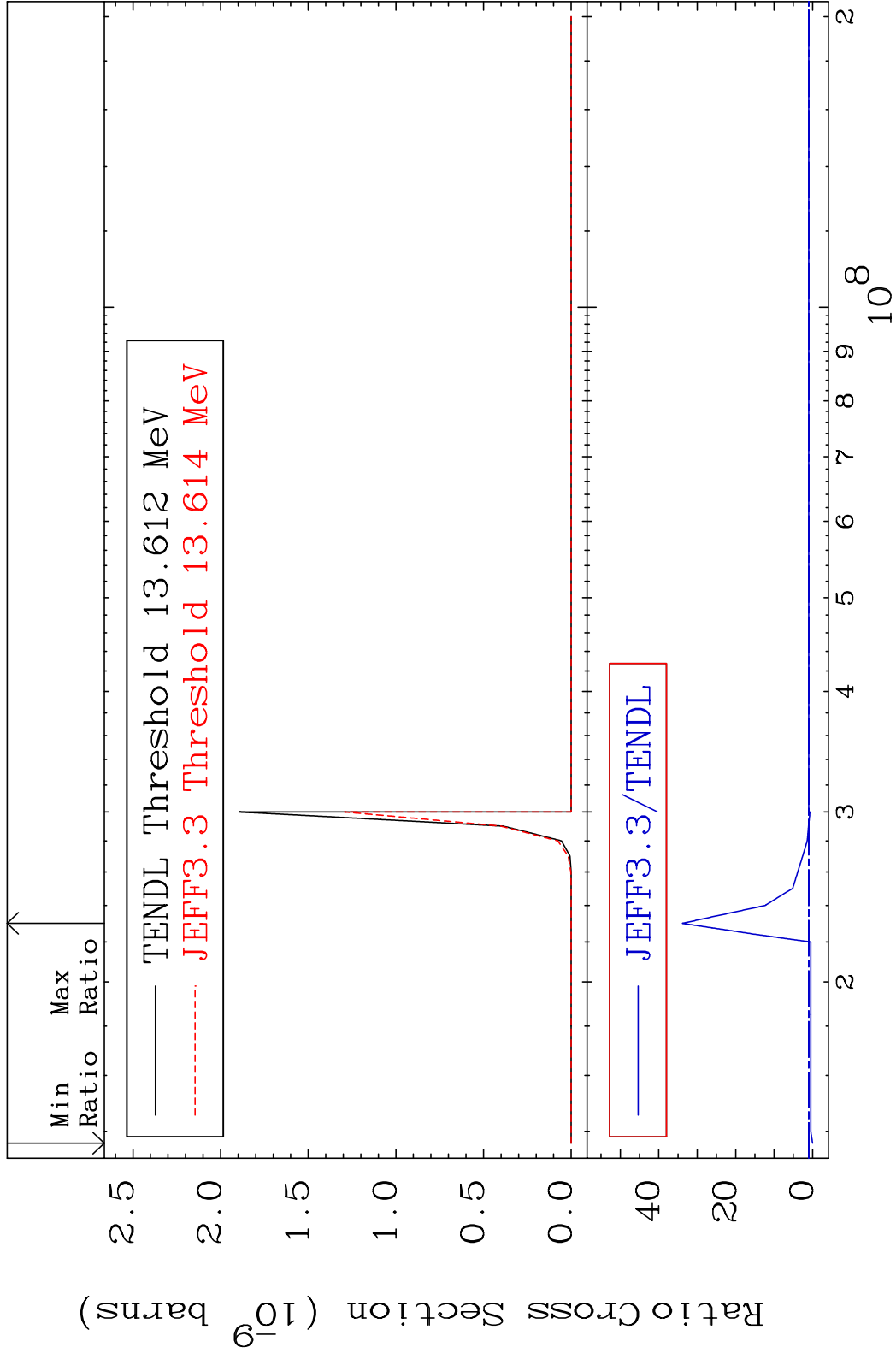


100 Incident Energy (eV) 51-Sb-124

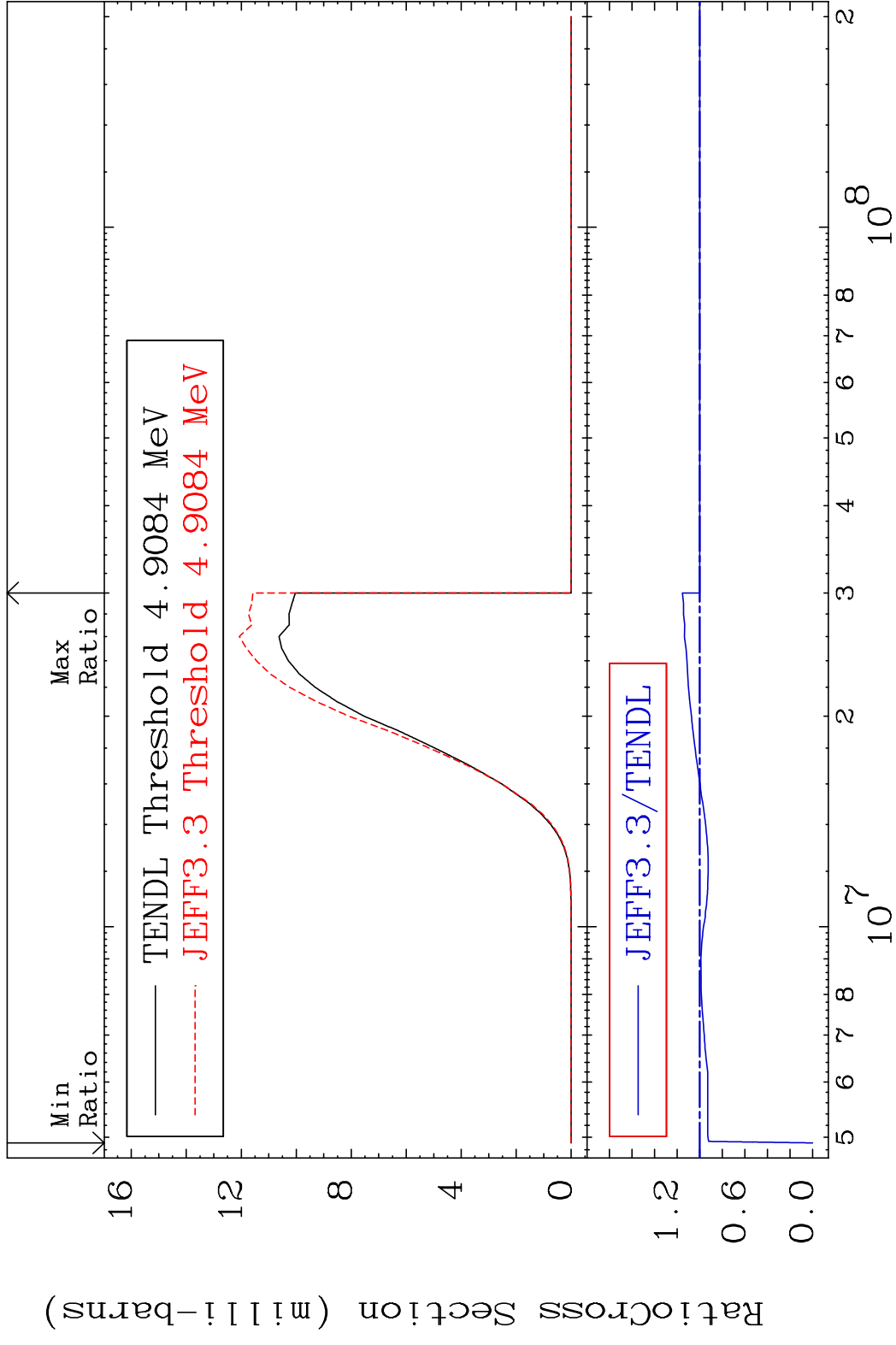








MAT 5134 (n, d):50-Sn-123g 51-Sb-124
 Radionuclide Production Cross Section 15.37 %



MAT 5134 (n, d):50-Sn-123m1 51-Sb-124
 Radionuclide Production Cross Section 100.00 % 0.000 %

