

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

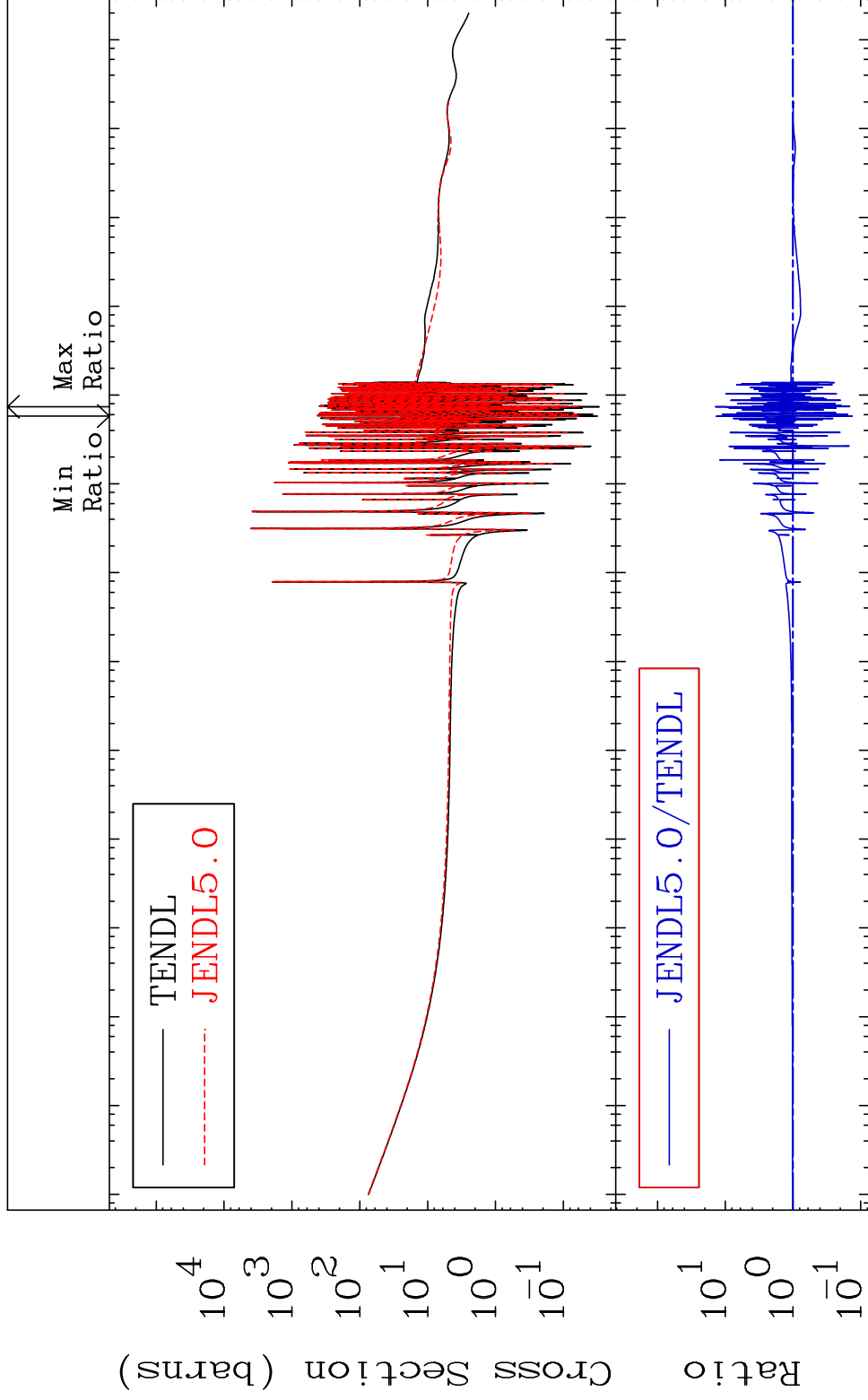
MAT 6049

Total

60-Nd-150

Cross Section

-86.66 To 1285. %



1

Incident Energy (eV)

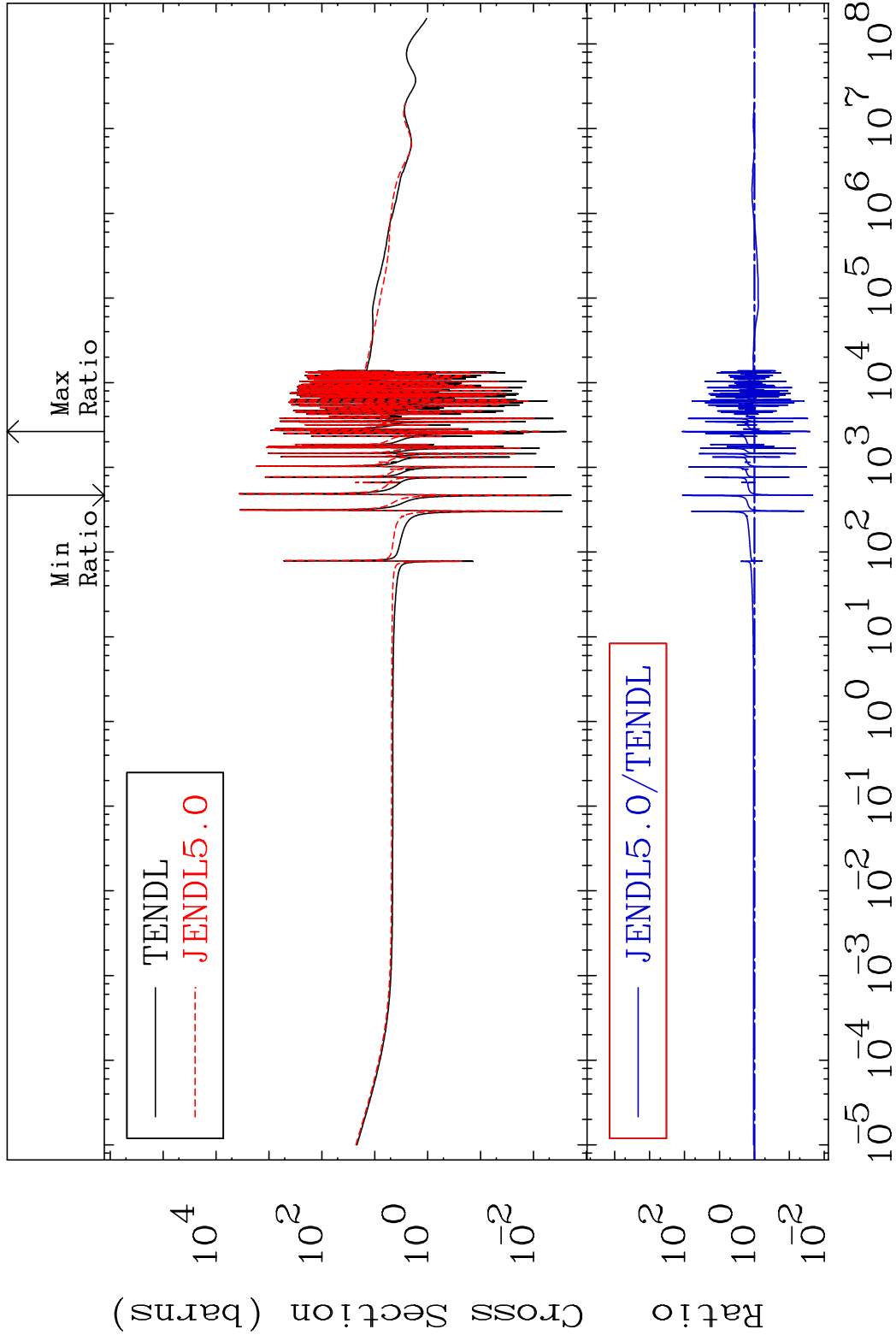
60-Nd-150

MAT 6049

Elastic

60-Nd-150

Cross Section -97.85 To 9999. %

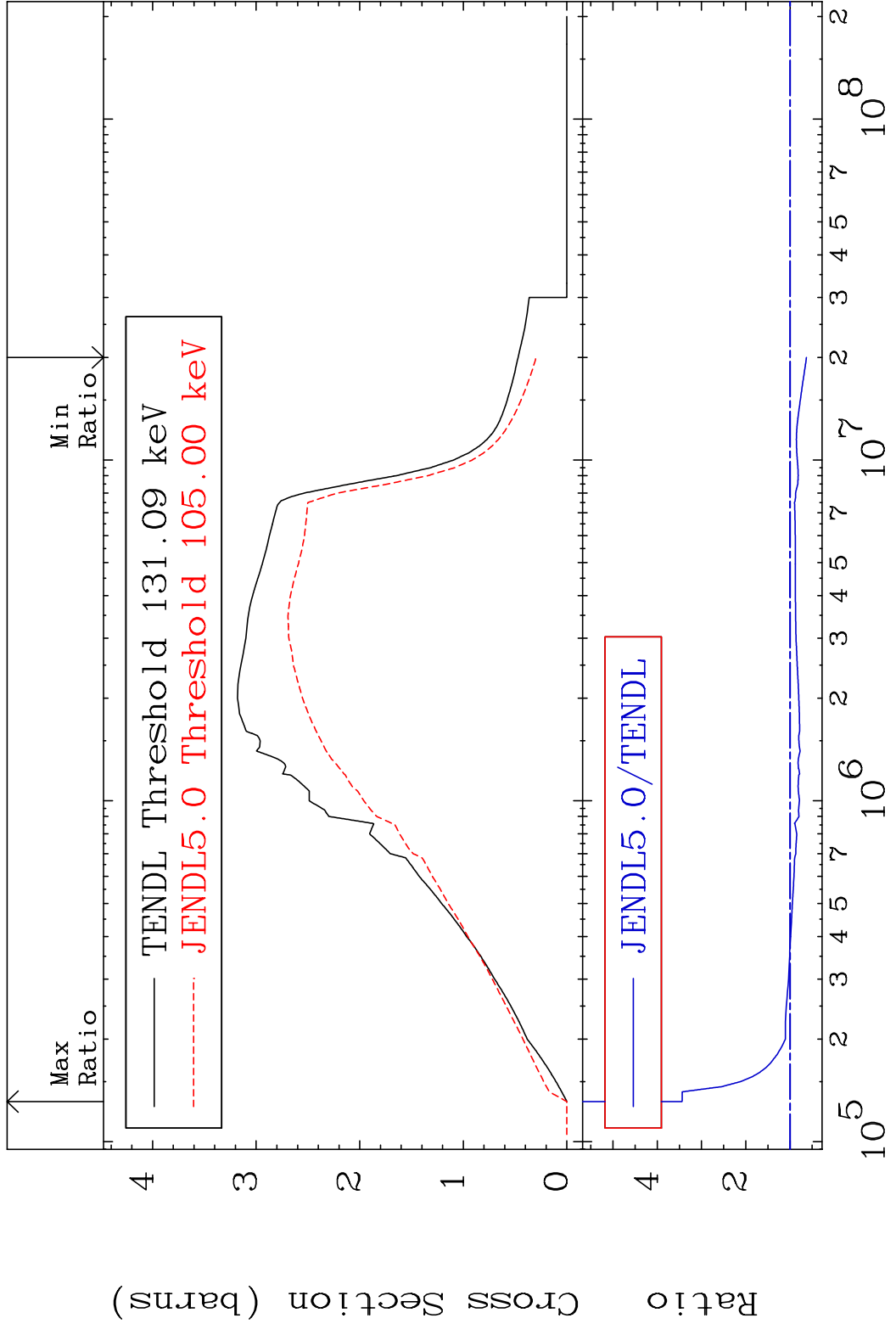


2

Incident Energy (eV)

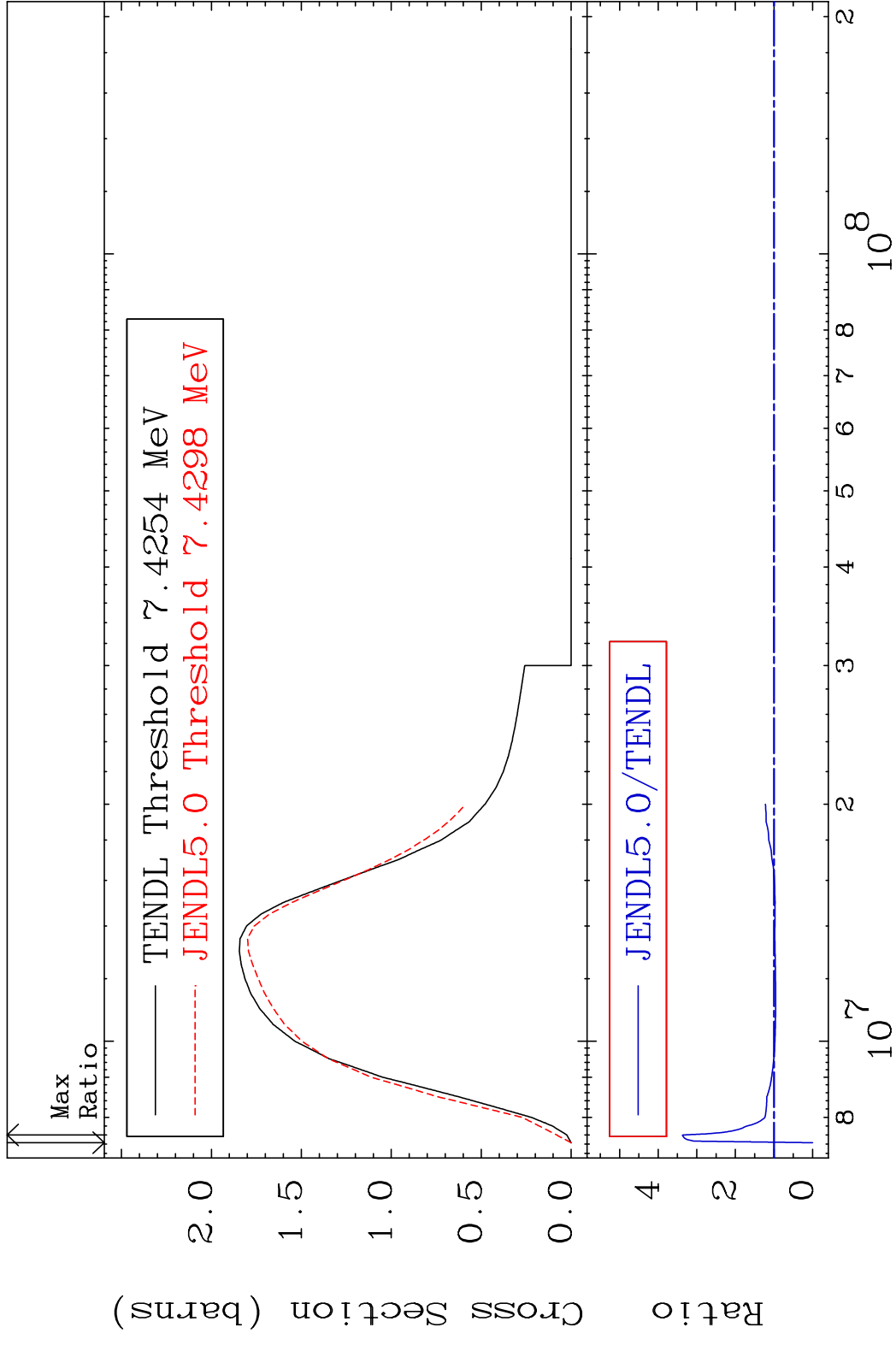
60-Nd-150

MAT 6049 Inelastic 60-Nd-150
 Cross Section -36.90 To 255.0 %



3 2 1 0 4 2 4 2 3 4 5 7 2 3 4 5 7 2 3 4 5 7 8 10⁵ 10⁶ 10⁷ 10⁸ 60-Nd-150

MAT 6049 (n,2n) 60-Nd-150
 Cross Section -100.0 To 237.3 %



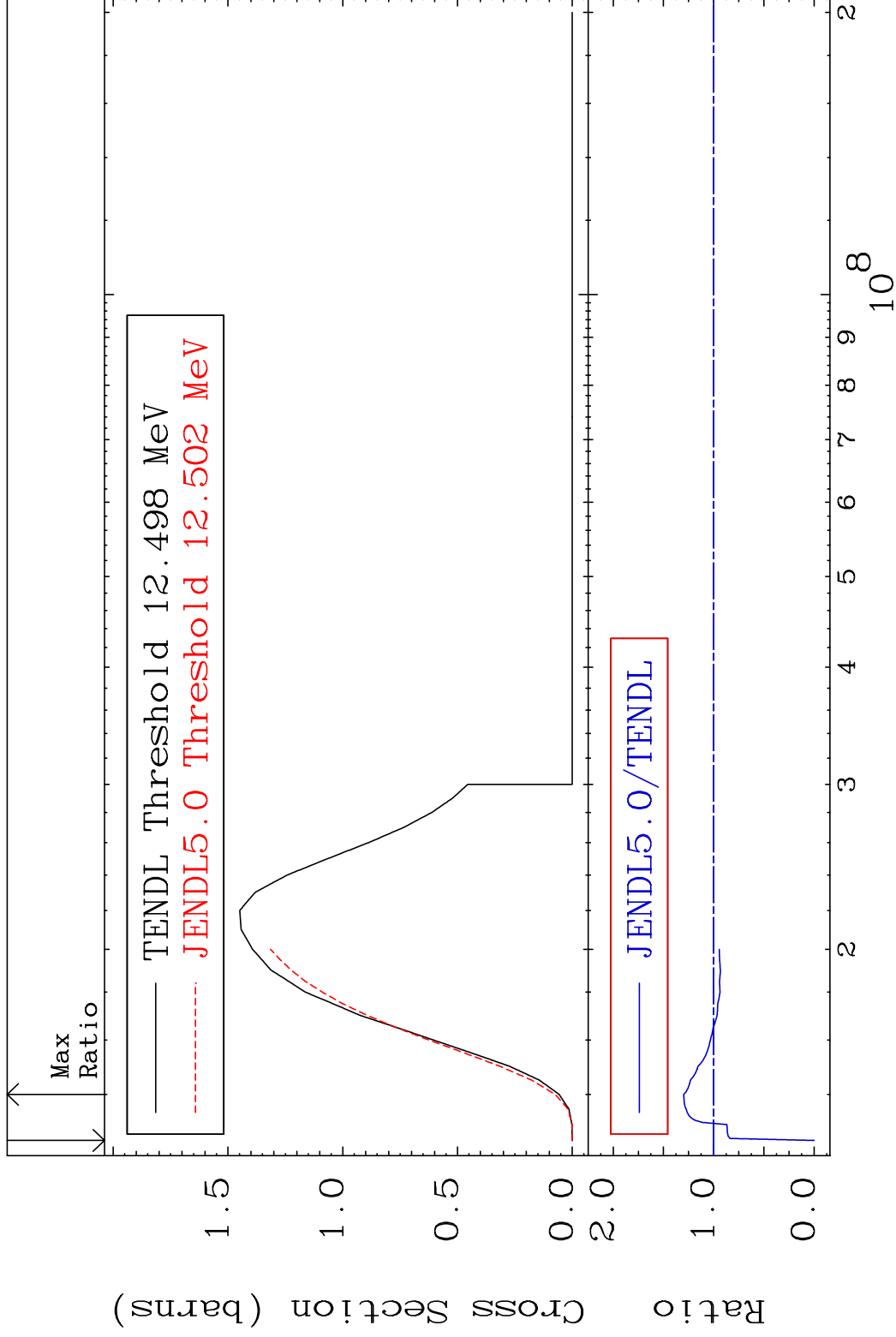
4 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 60-Nd-150

MAT 6049

(n,3n)

60-Nd-150

Cross Section -100.0 To 29.88 %

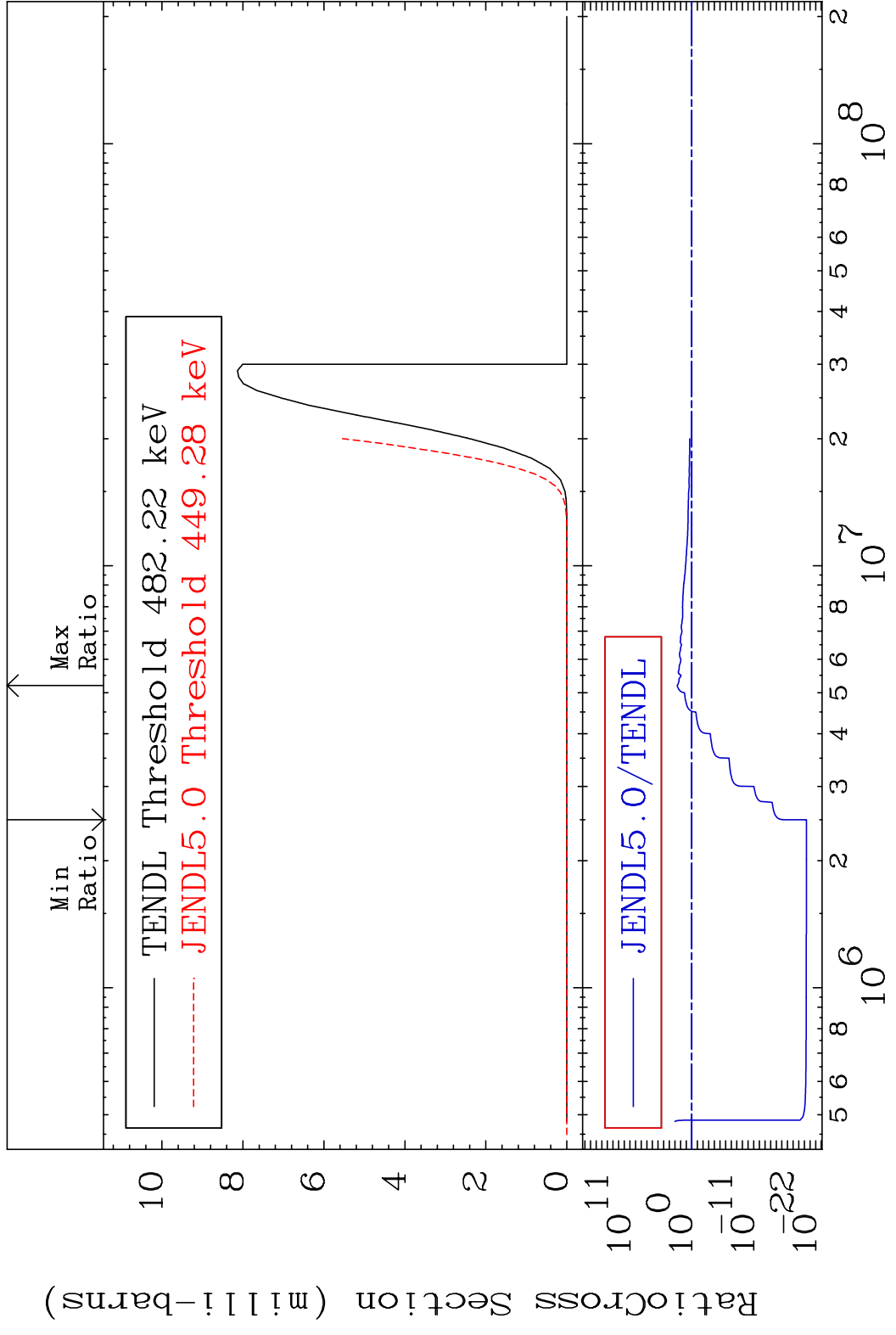


5

Incident Energy (eV)

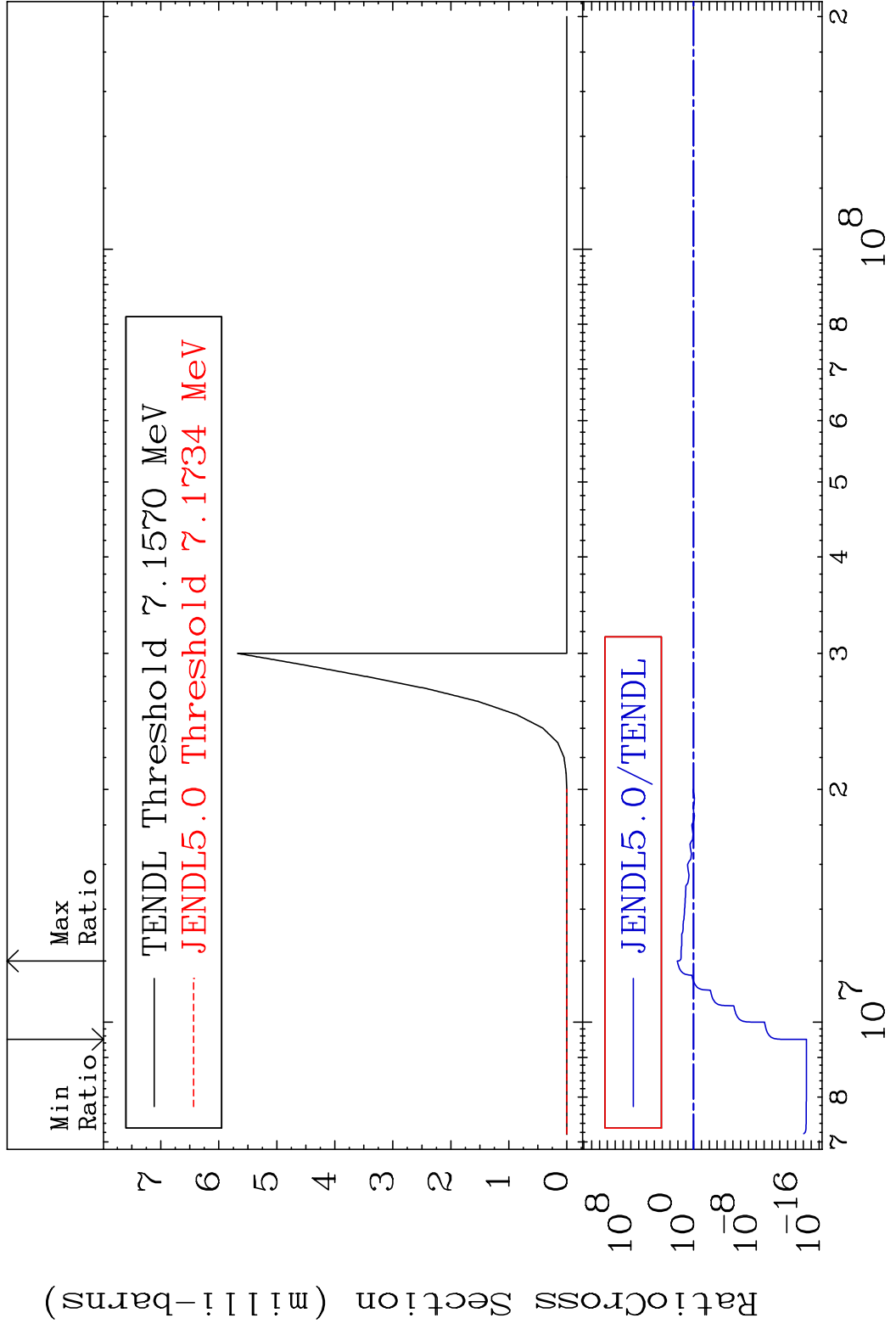
60-Nd-150

MAT 6049 (n, n') α 60-Nd-150
 Cross Section -100.0 To 9999. %



6 60-Nd-150

MAT 6049 (n,2n) α 60-Nd-150
 Cross Section -100.0 To 9999. %



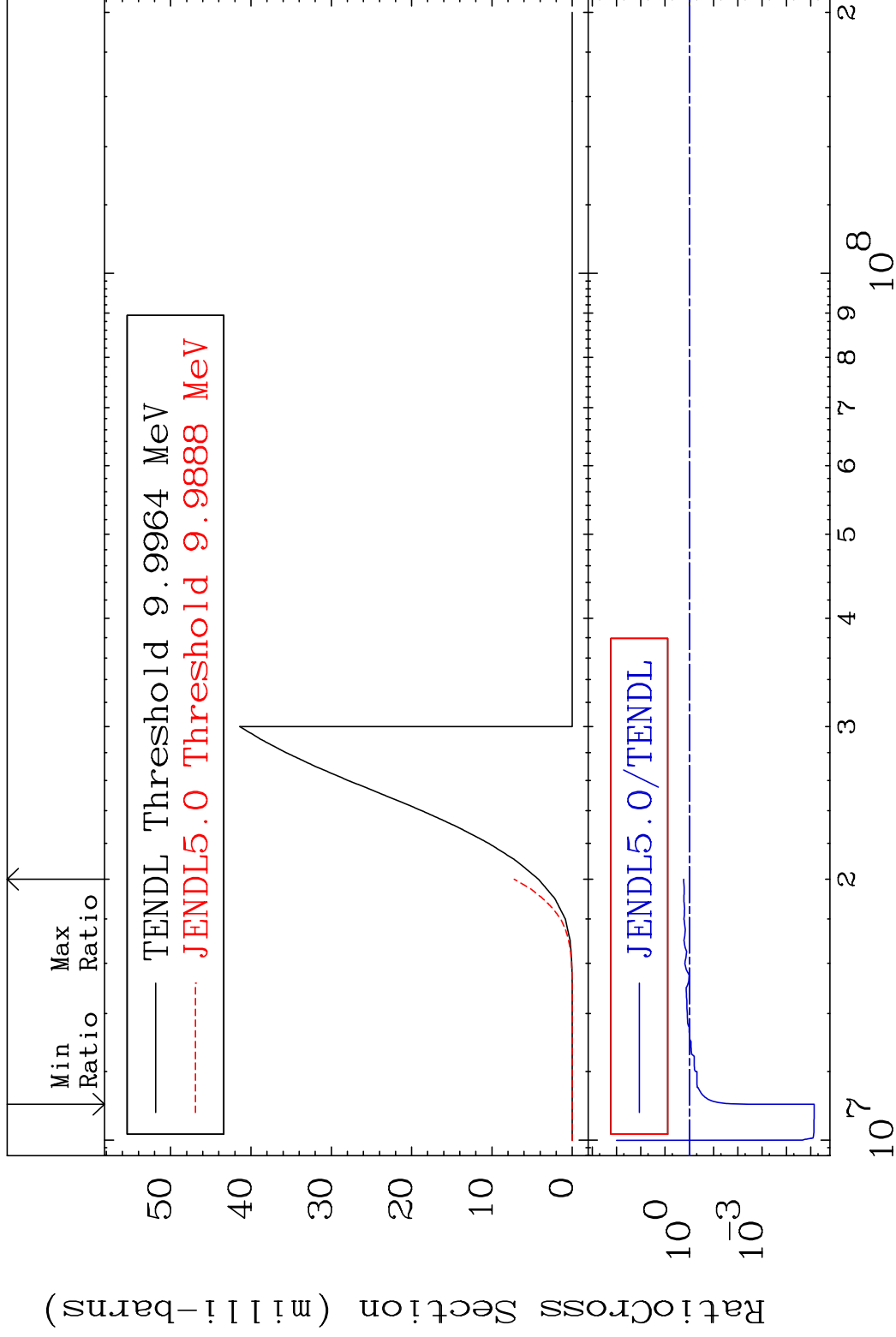
7 Incident Energy (eV) 60-Nd-150

MAT 6049

(n, n') p

60-Nd-150

Cross Section -100.0 To 71.39 %



8

Incident Energy (eV)

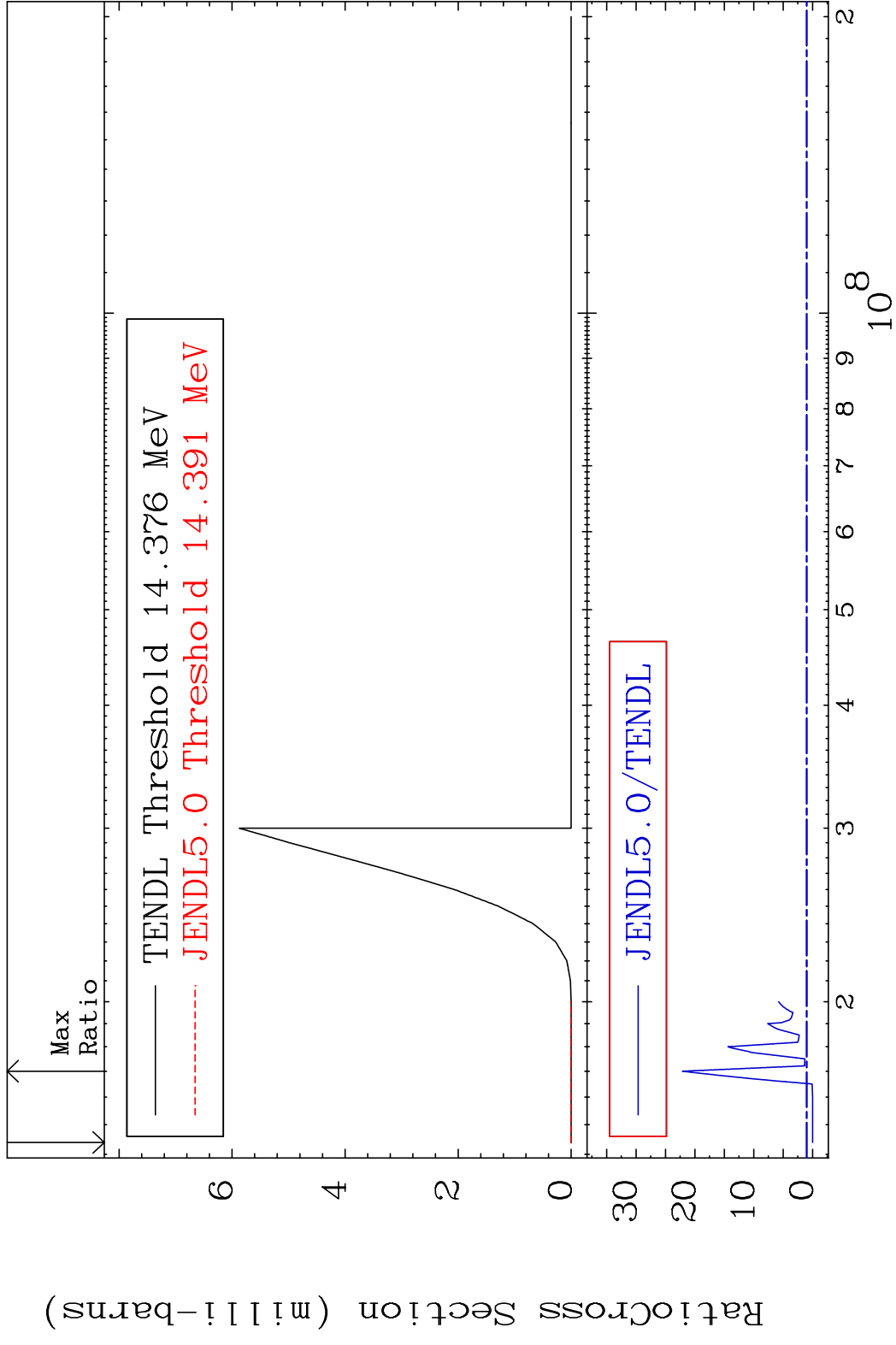
60-Nd-150

MAT 6049

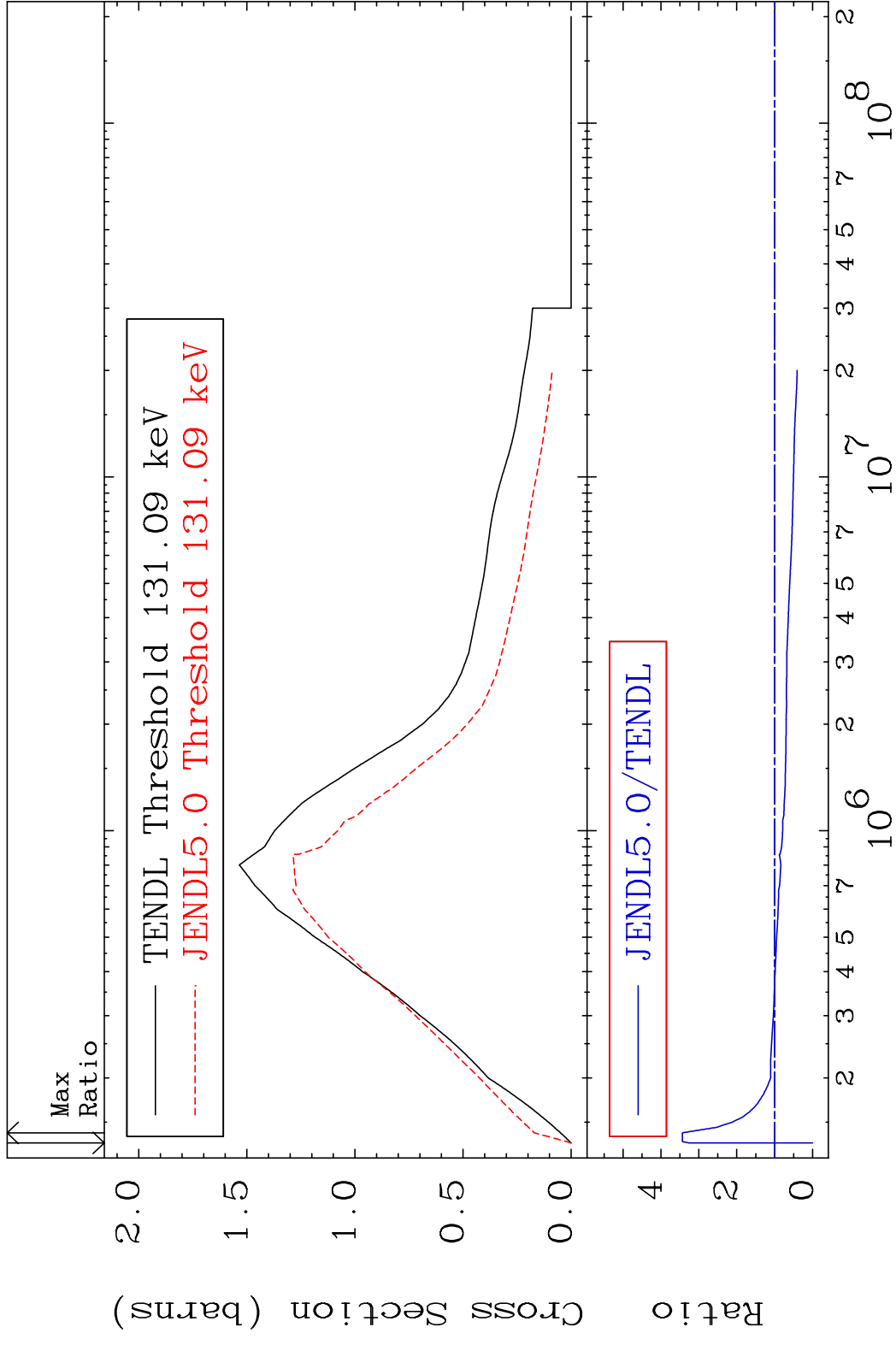
(n, n') d

60-Nd-150

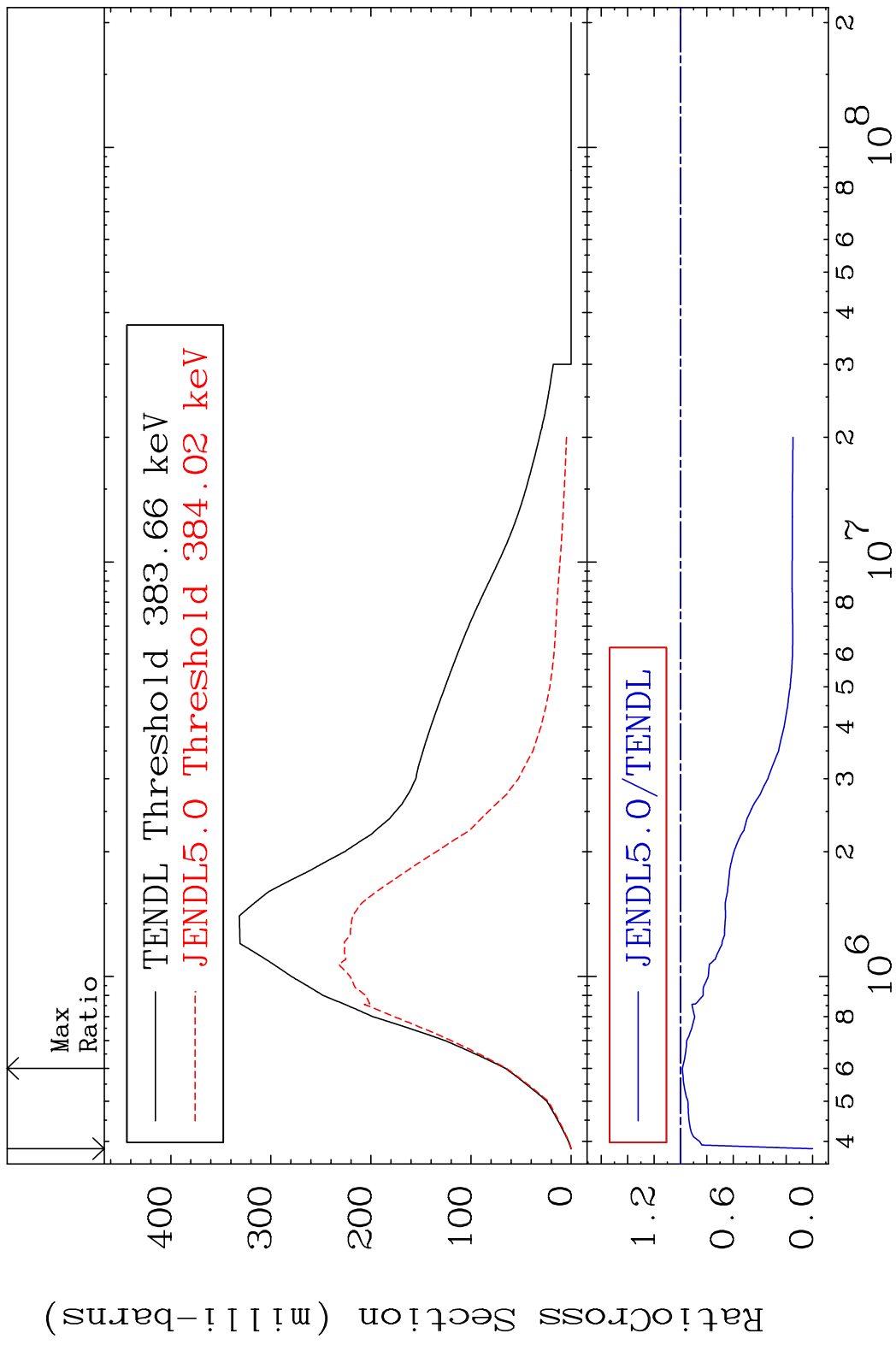
Cross Section -100.0 To 2113. %



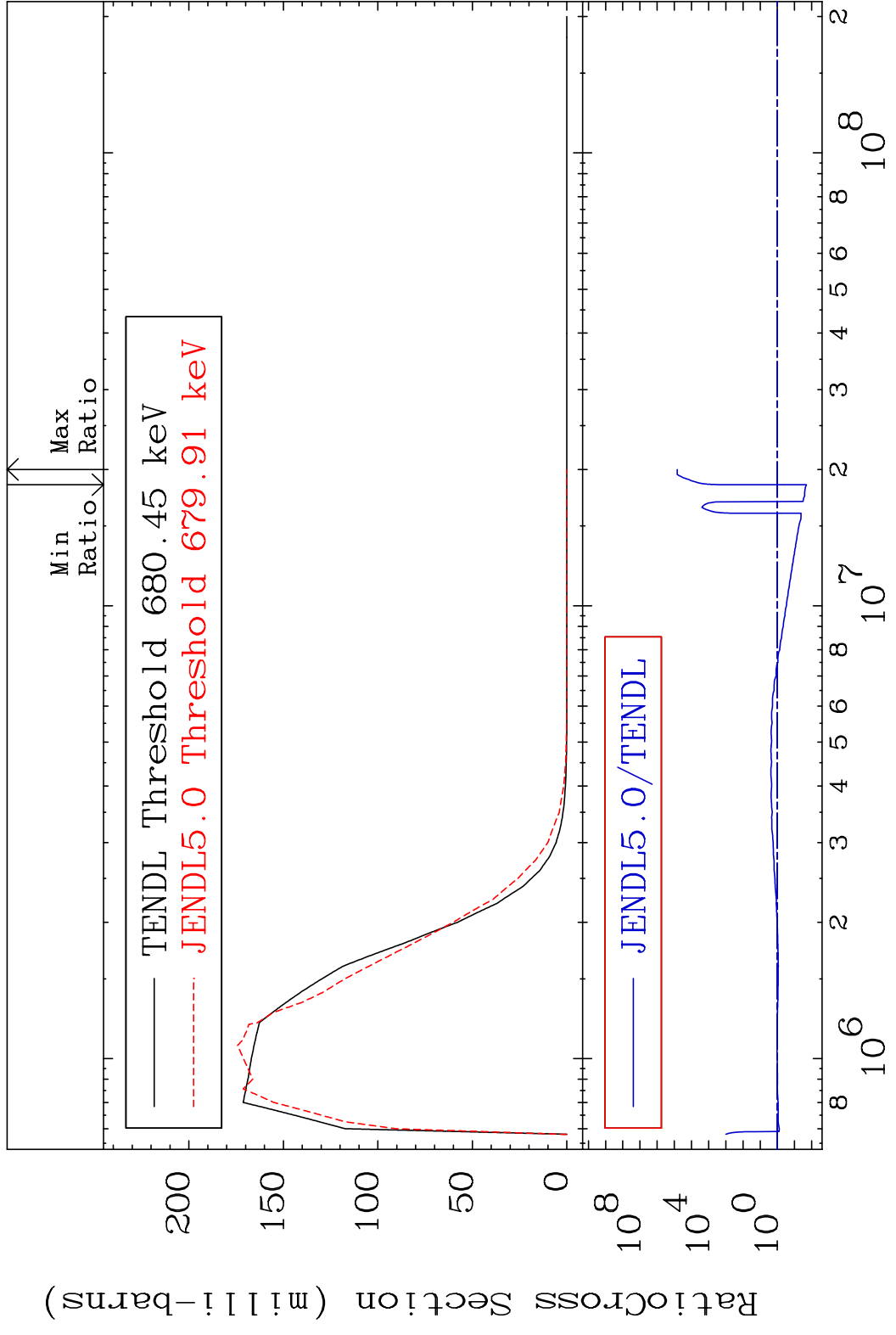
MAT 6049 MT= 51 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 243.6 %



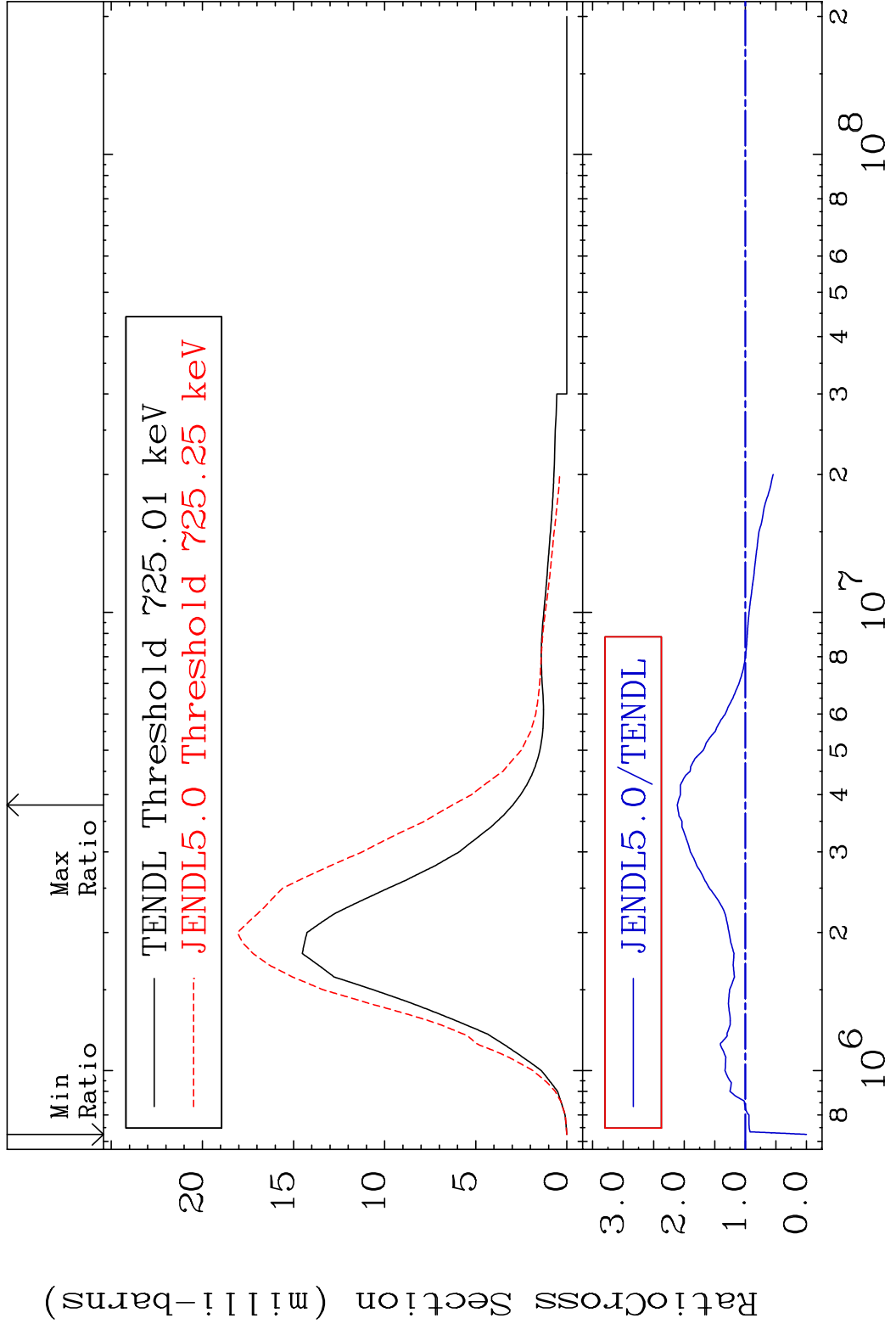
MAT 6049 MT= 52 (n, n') Level 60-Nd-150
 Cross Section -100.0 To -1.432%



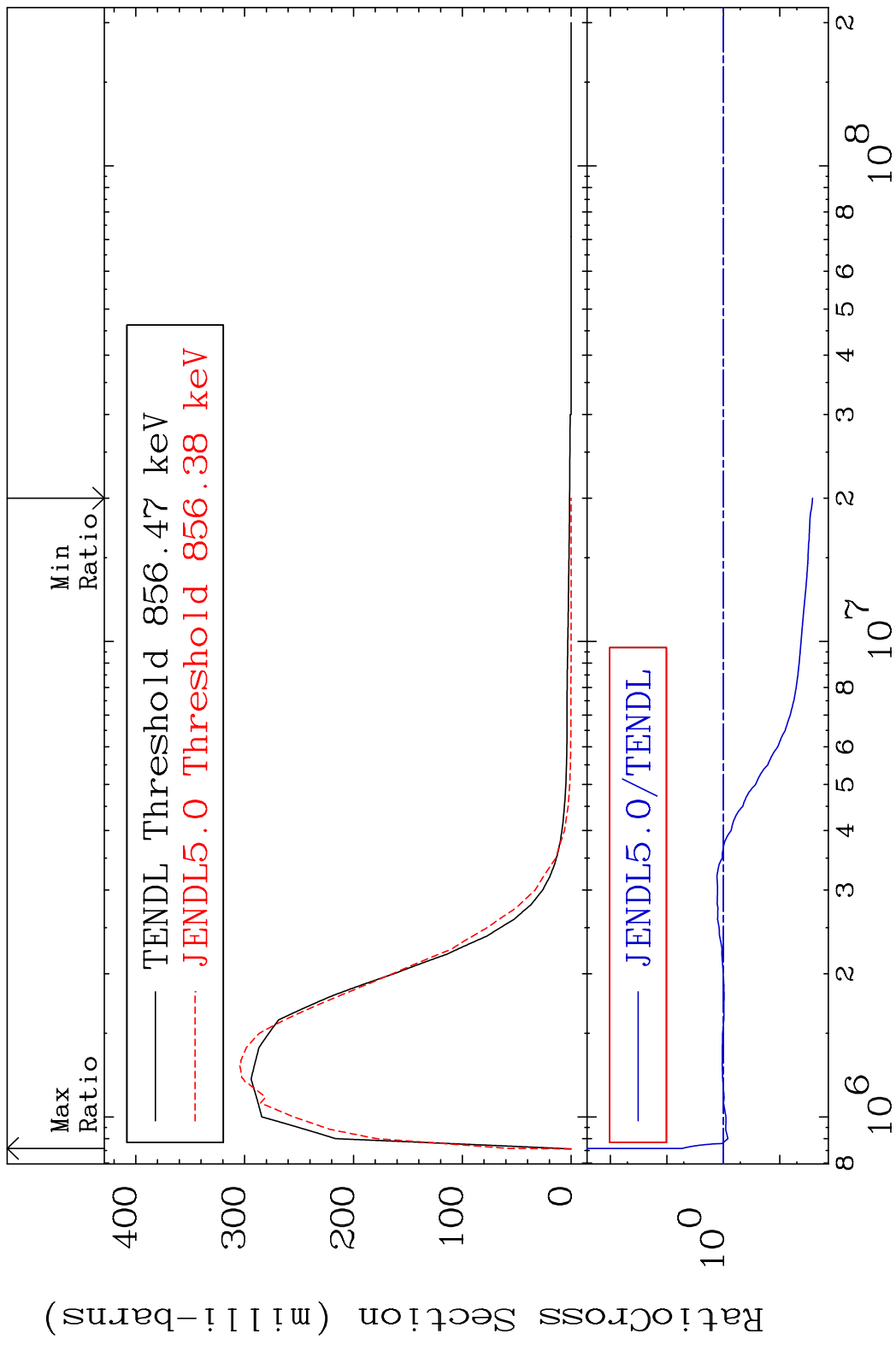
MAT 6049 MT= 53 (n, n') Level 60-Nd-150
 Cross Section -97.96 To 9999. %



MAT 6049 MT= 54 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 111.6 %

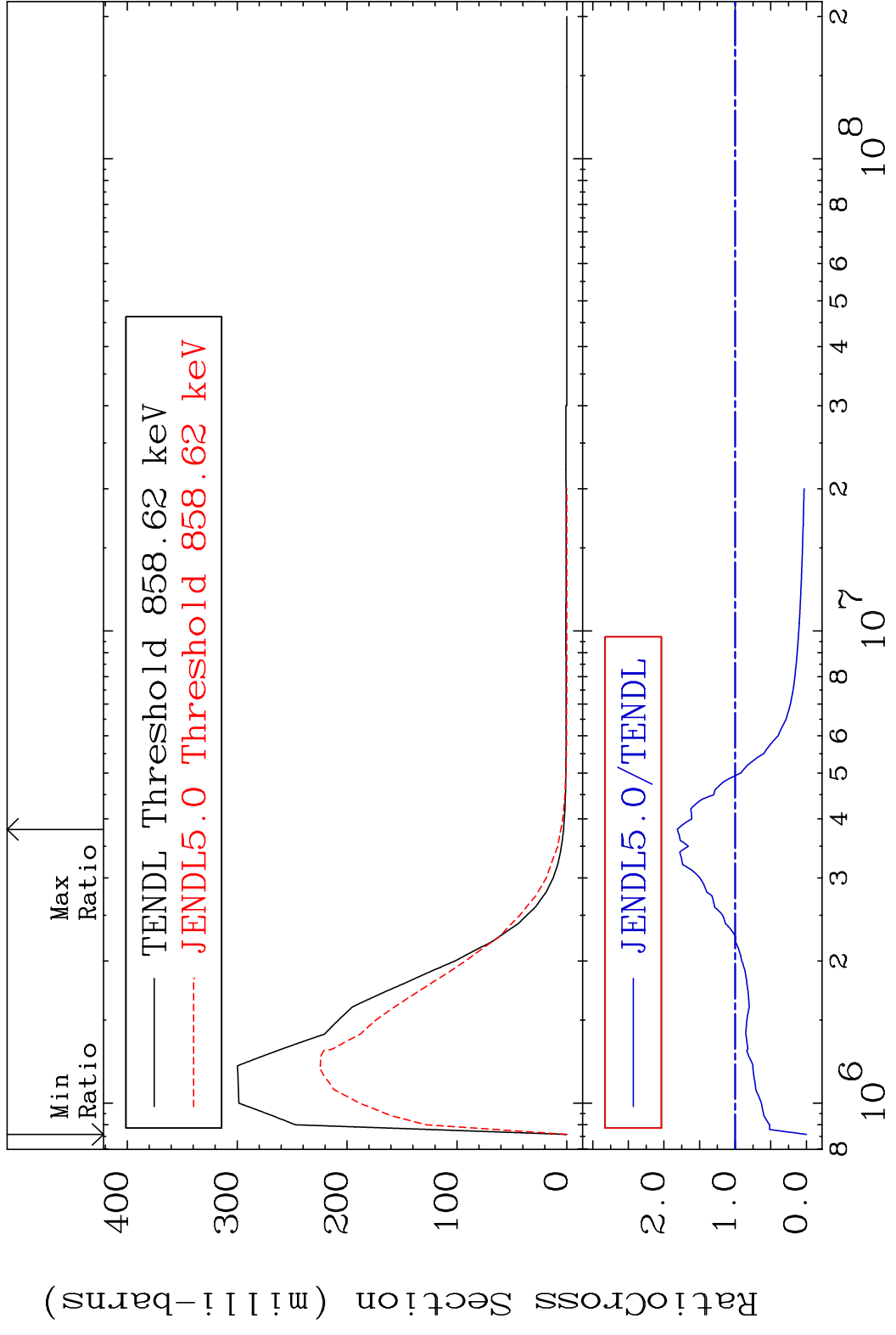


MAT 6049 MT= 55 (n, n') Level 60-Nd-150
 Cross Section -97.37 To 431.9 %



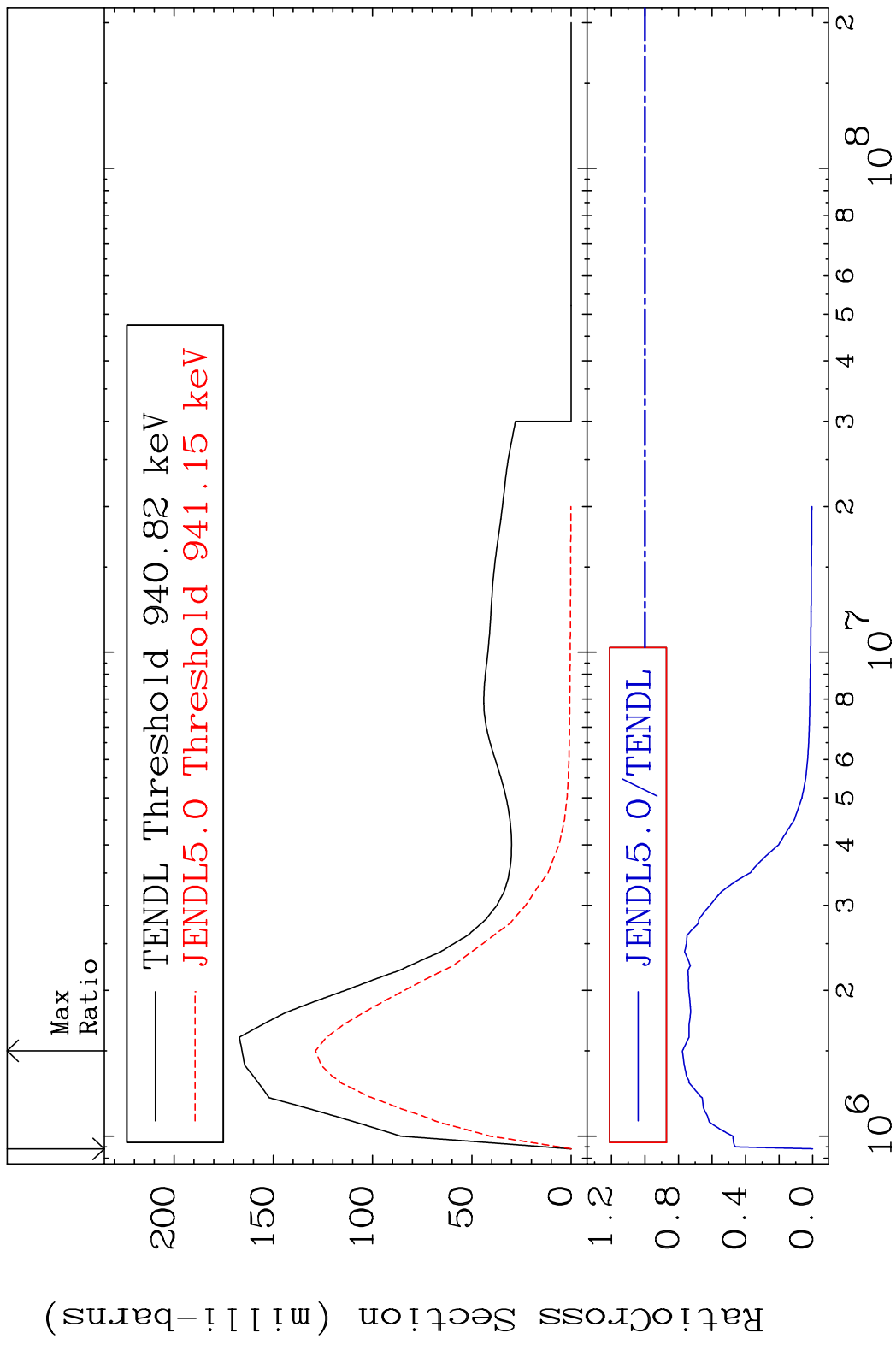
15 Incident Energy (eV) 60-Nd-150

MAT 6049 MT= 56 (n,n') Level 60-Nd-150
 Cross Section -100.0 To 81.45 %



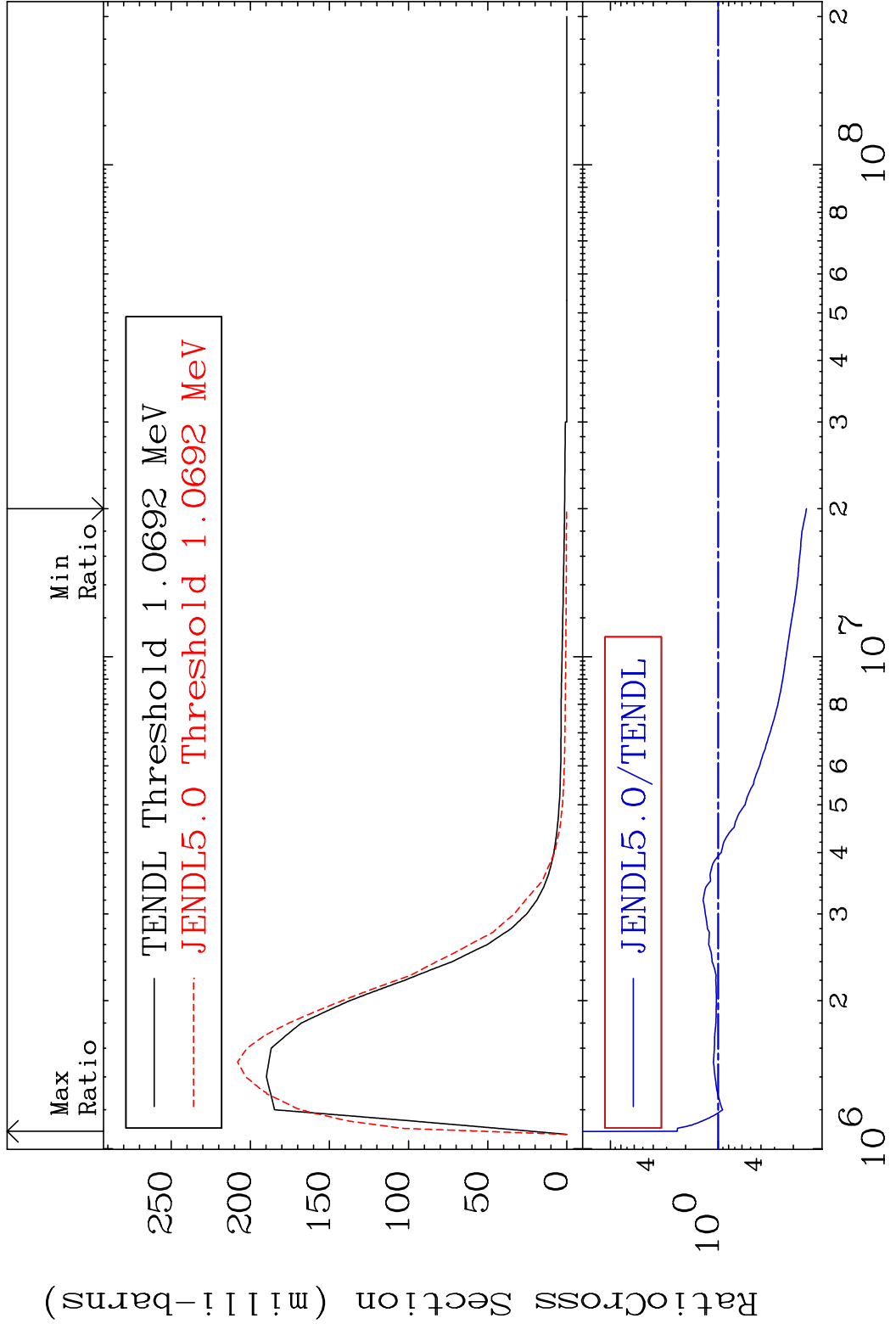
16 60-Nd-150

MAT 6049 MT= 57 (n, n') Level 60-Nd-150
 Cross Section -100.0 To -22.31%



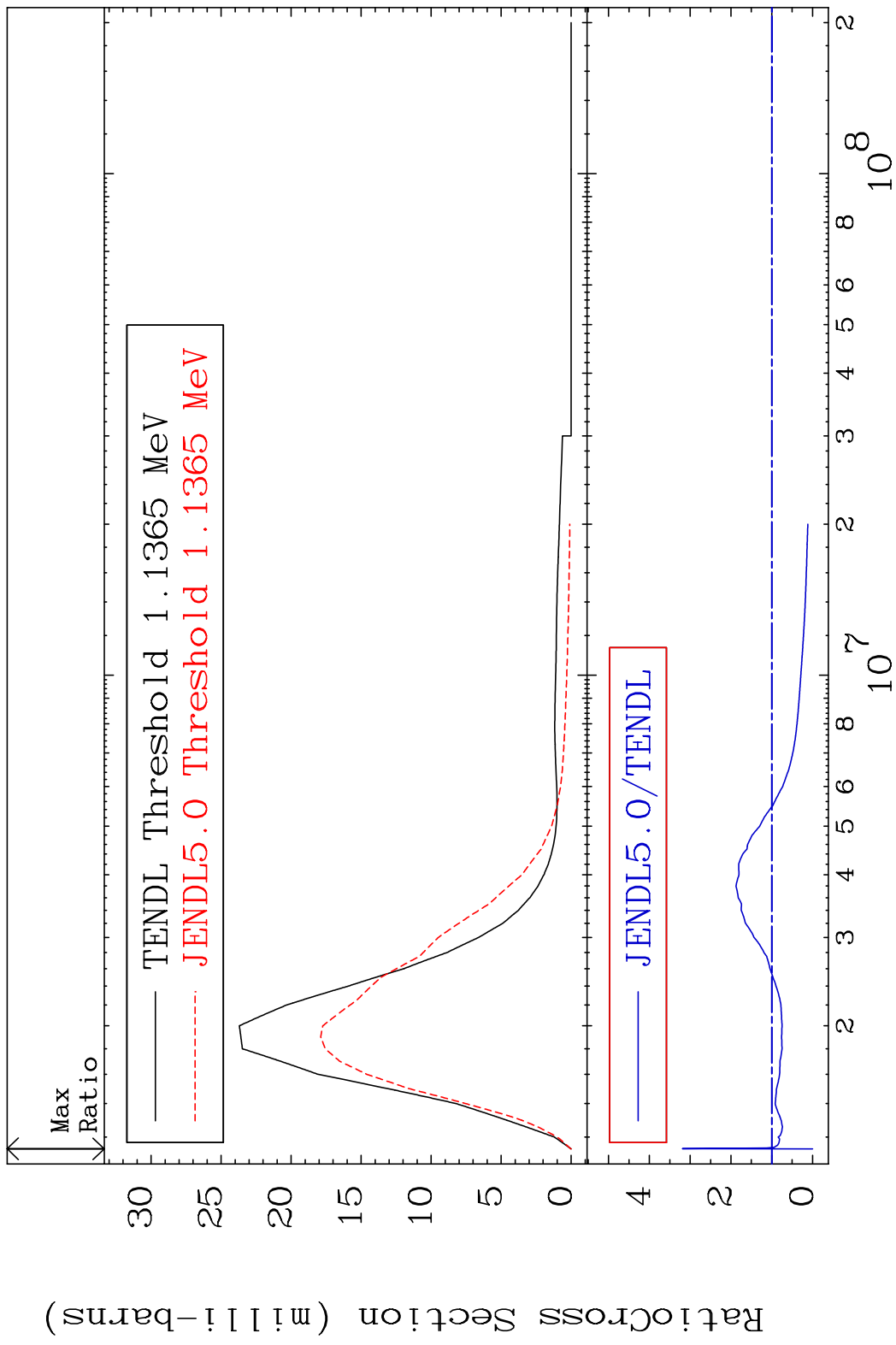
17 Incident Energy (eV) 60-Nd-150

MAT 6049 MT= 58 (n, n') Level 60-Nd-150
 Cross Section -84.84 To 139.7 %

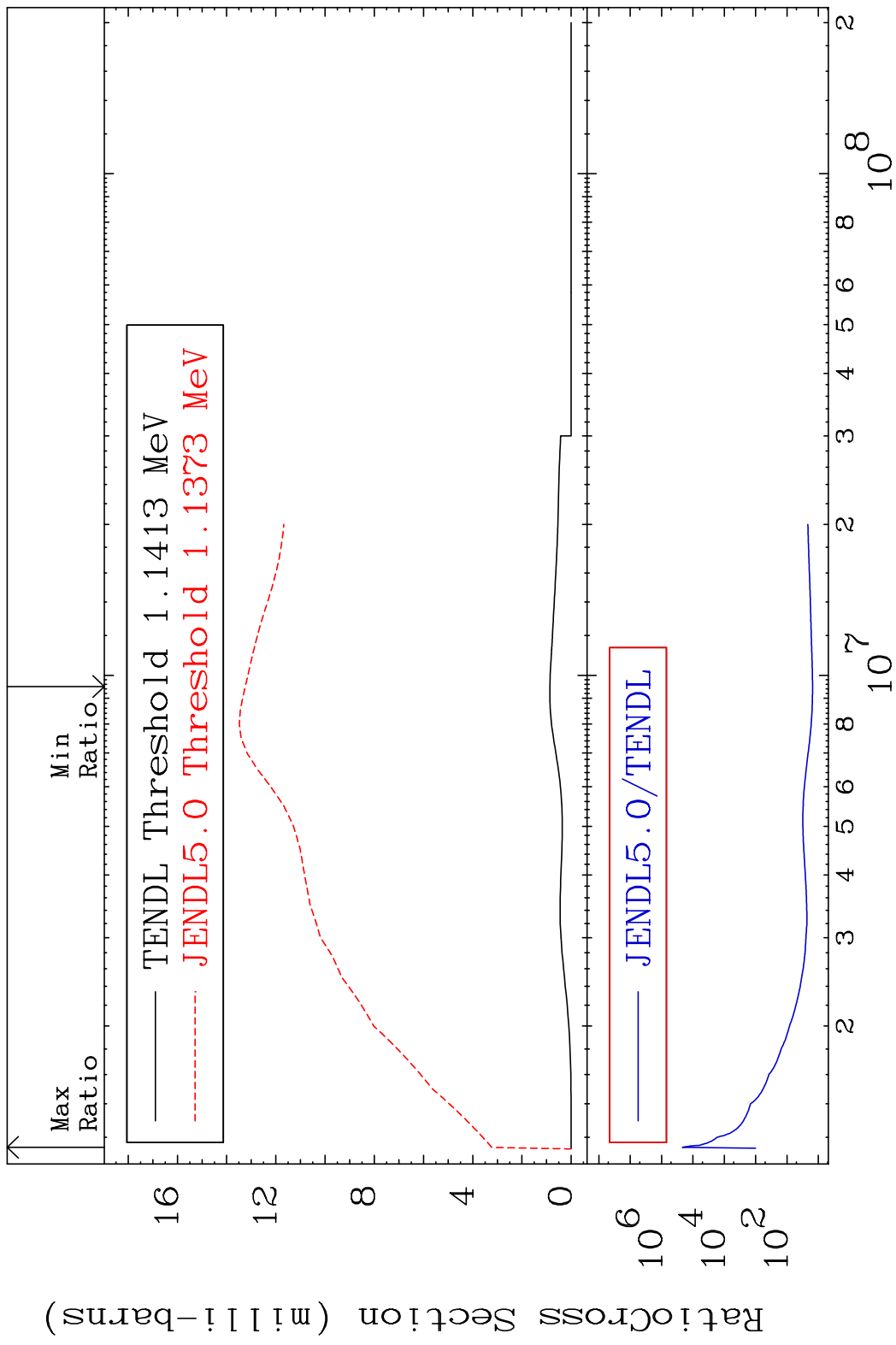


18 Incident Energy (eV) 60-Nd-150

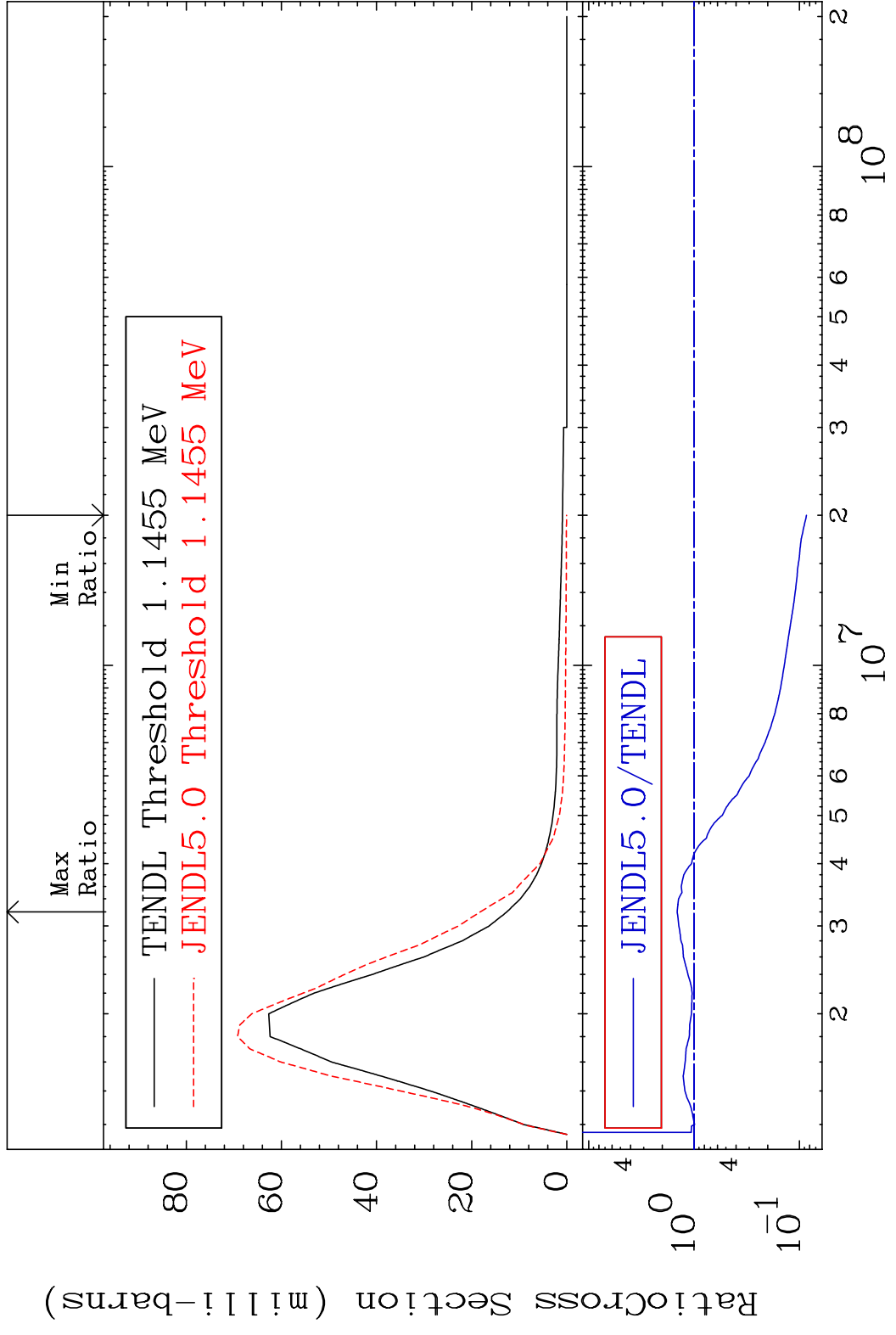
MAT 6049 MT= 59 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 219.1 %



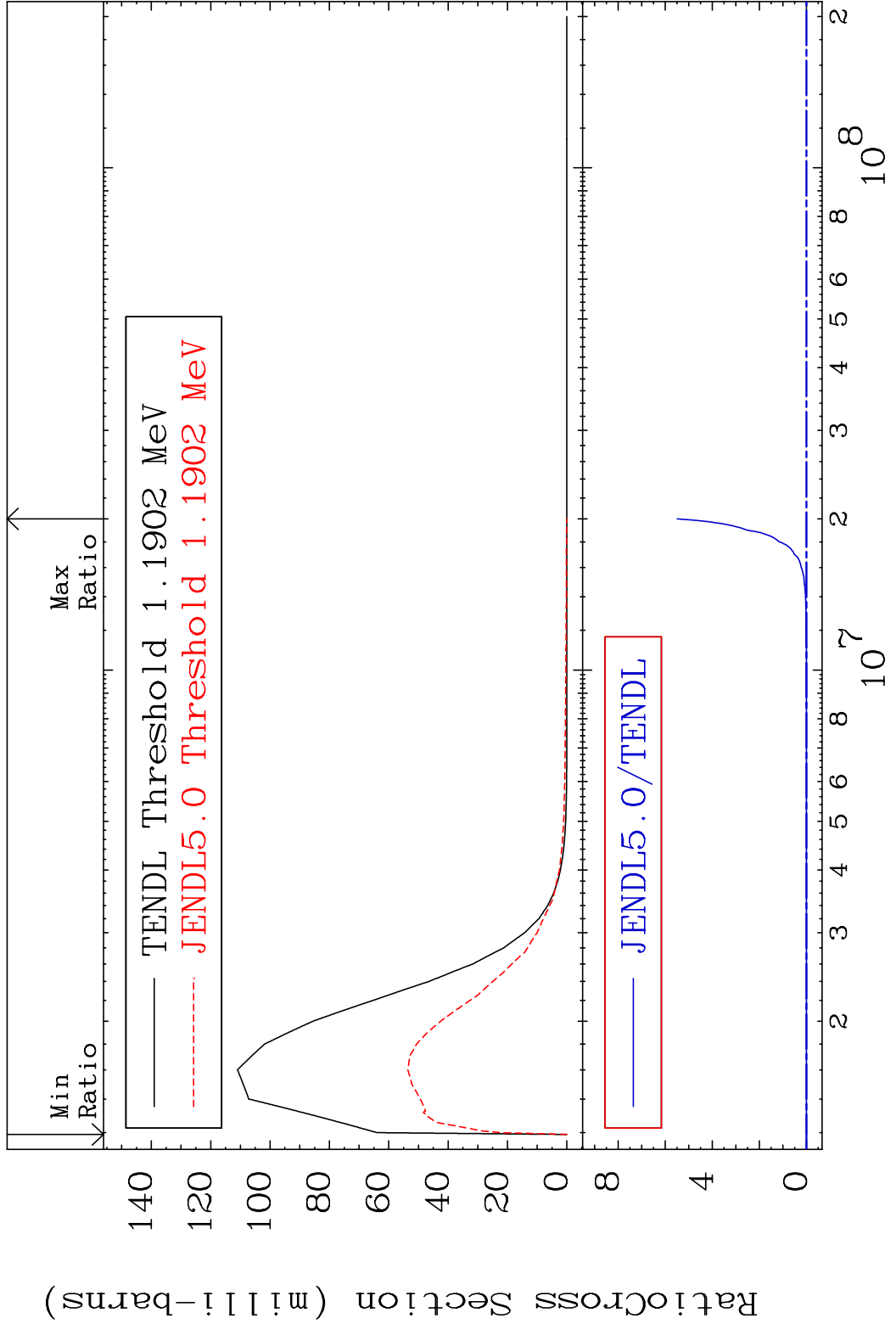
MAT 6049 MT= 60 (n, n') Level 60-Nd-150
 Cross Section 1427. To 9999. %



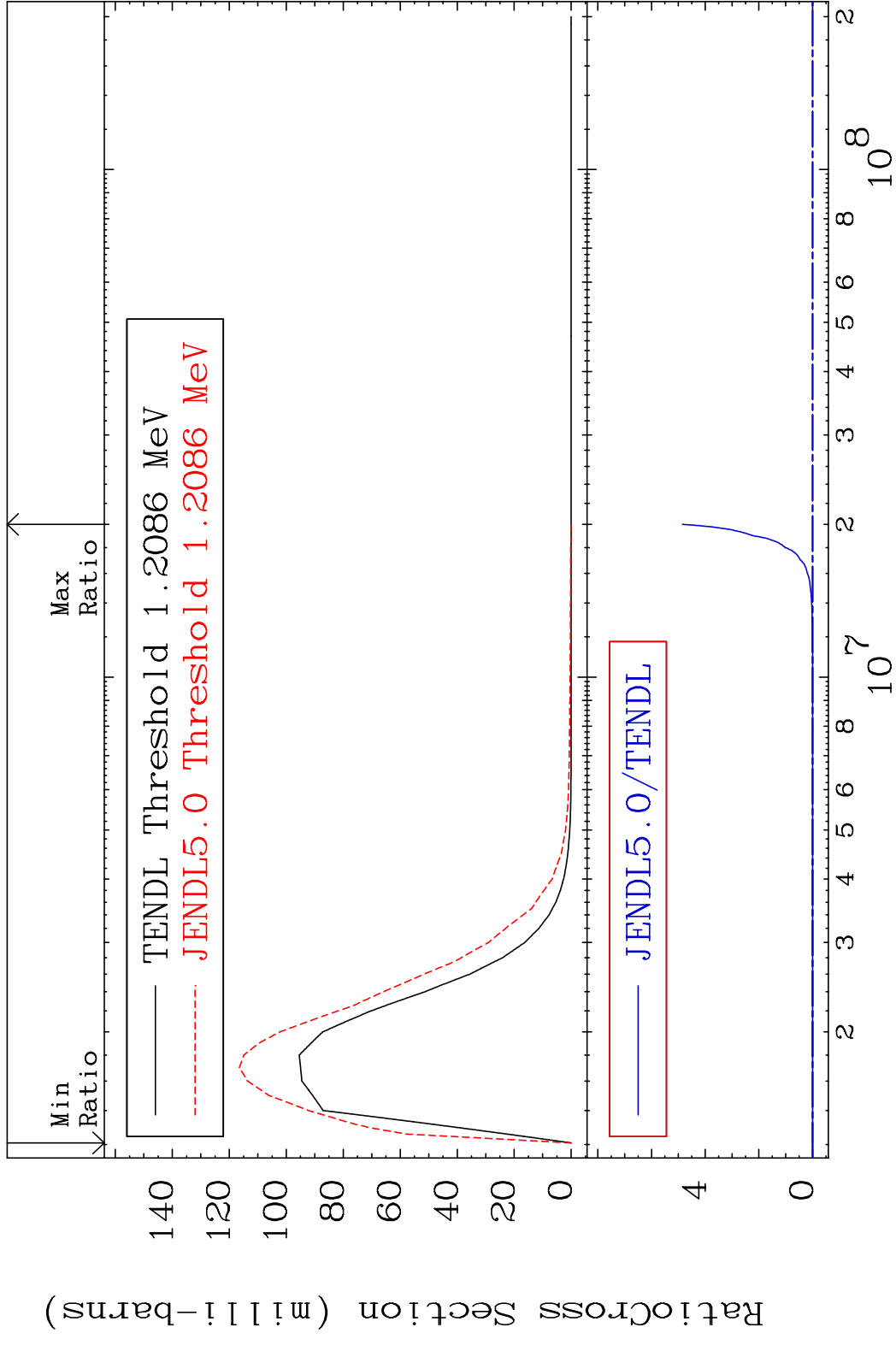
MAT 6049 MT= 61 (n, n') Level 60-Nd-150
 Cross Section -91.40 To 44.58 %



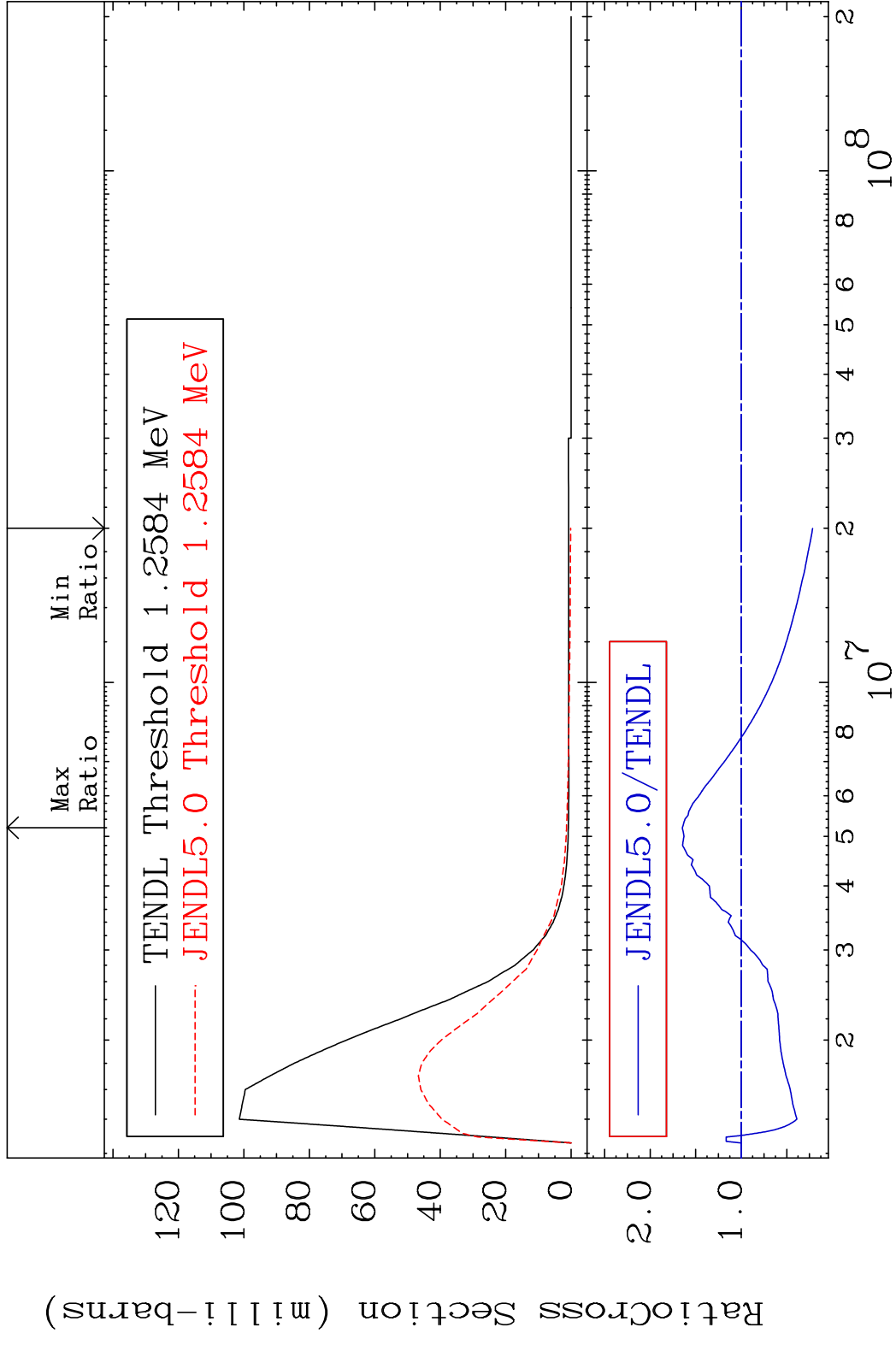
MAT 6049 MT= 62 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 9999. %



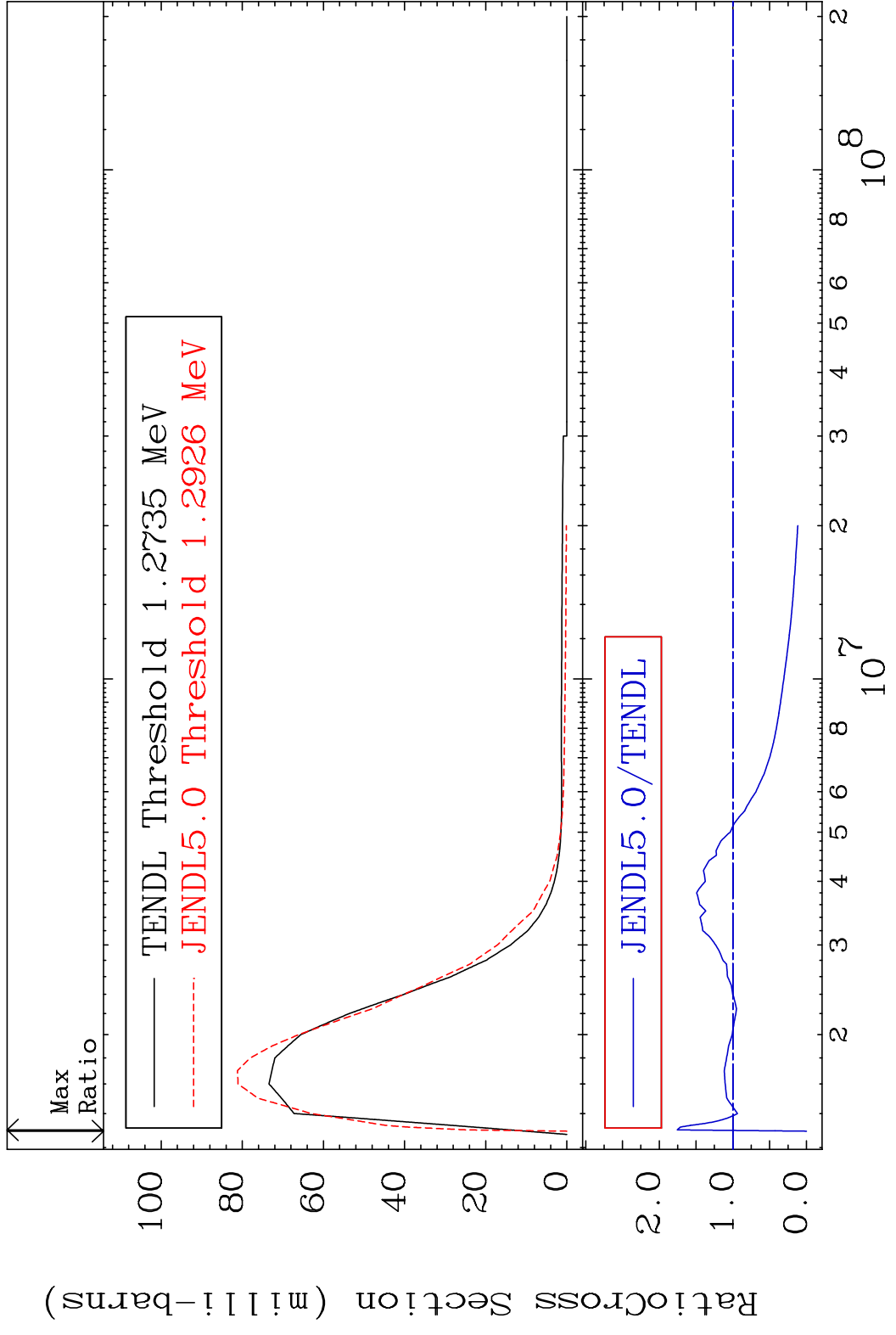
MAT 6049 MT= 63 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 9999. %



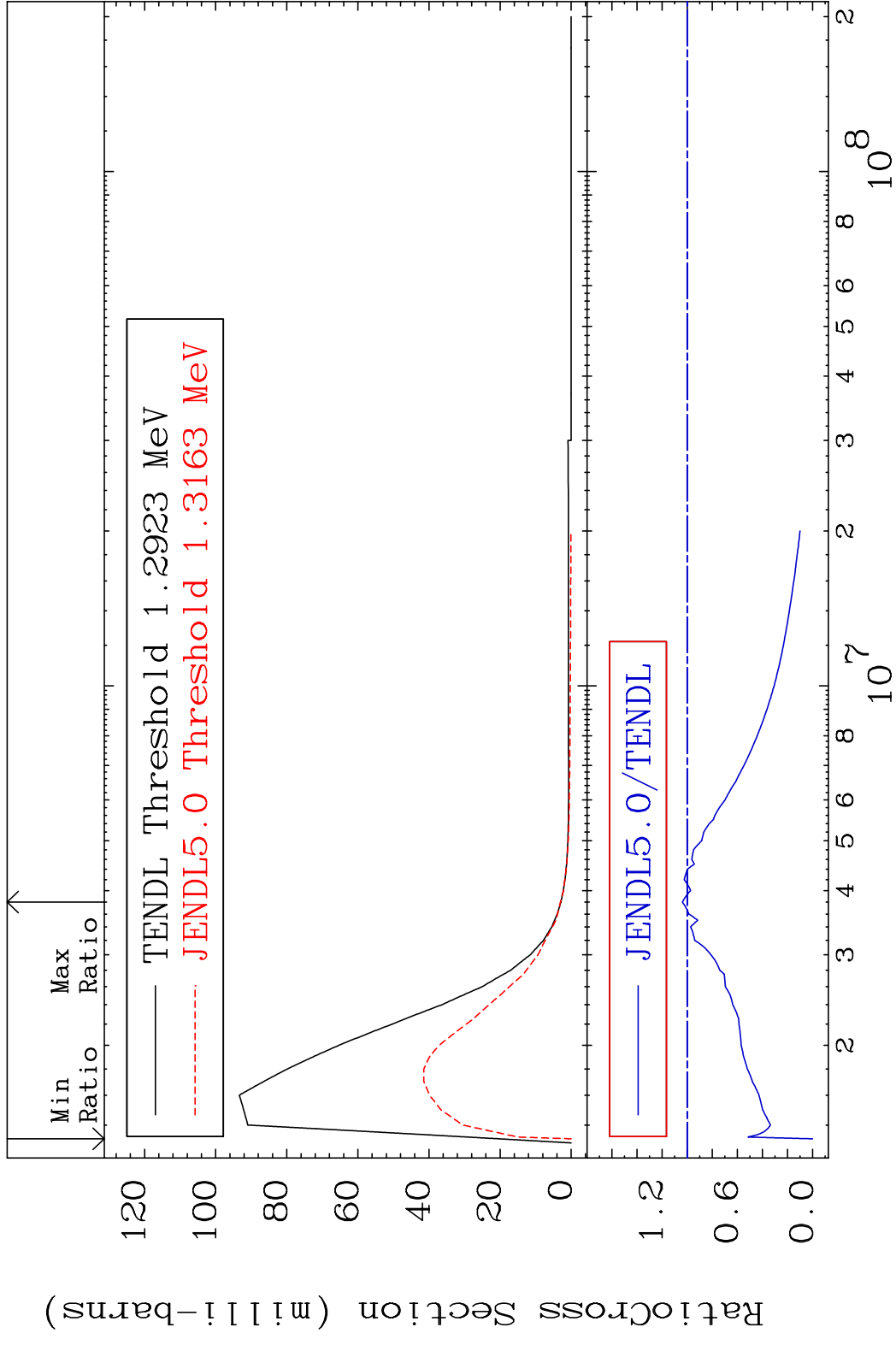
MAT 6049 MT= 64 (n, n') Level 60-Nd-150
 Cross Section -78.37 To 64.66 %



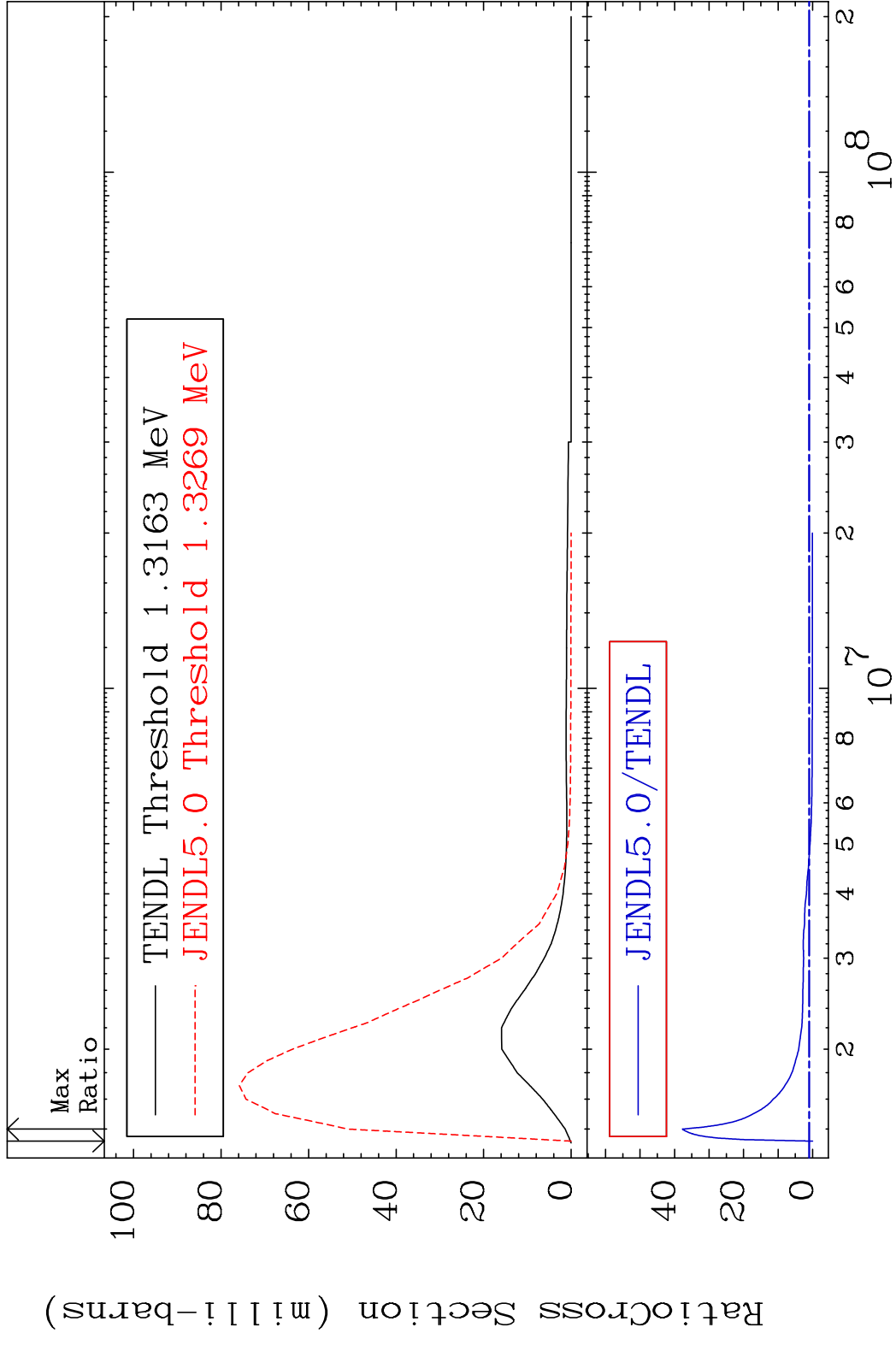
MAT 6049 MT= 65 (n,n') Level 60-Nd-150
 Cross Section -100.0 To 75.63 %



MAT 6049 MT= 66 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 3.796 %



MAT 6049 MT= 67 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 3674. %

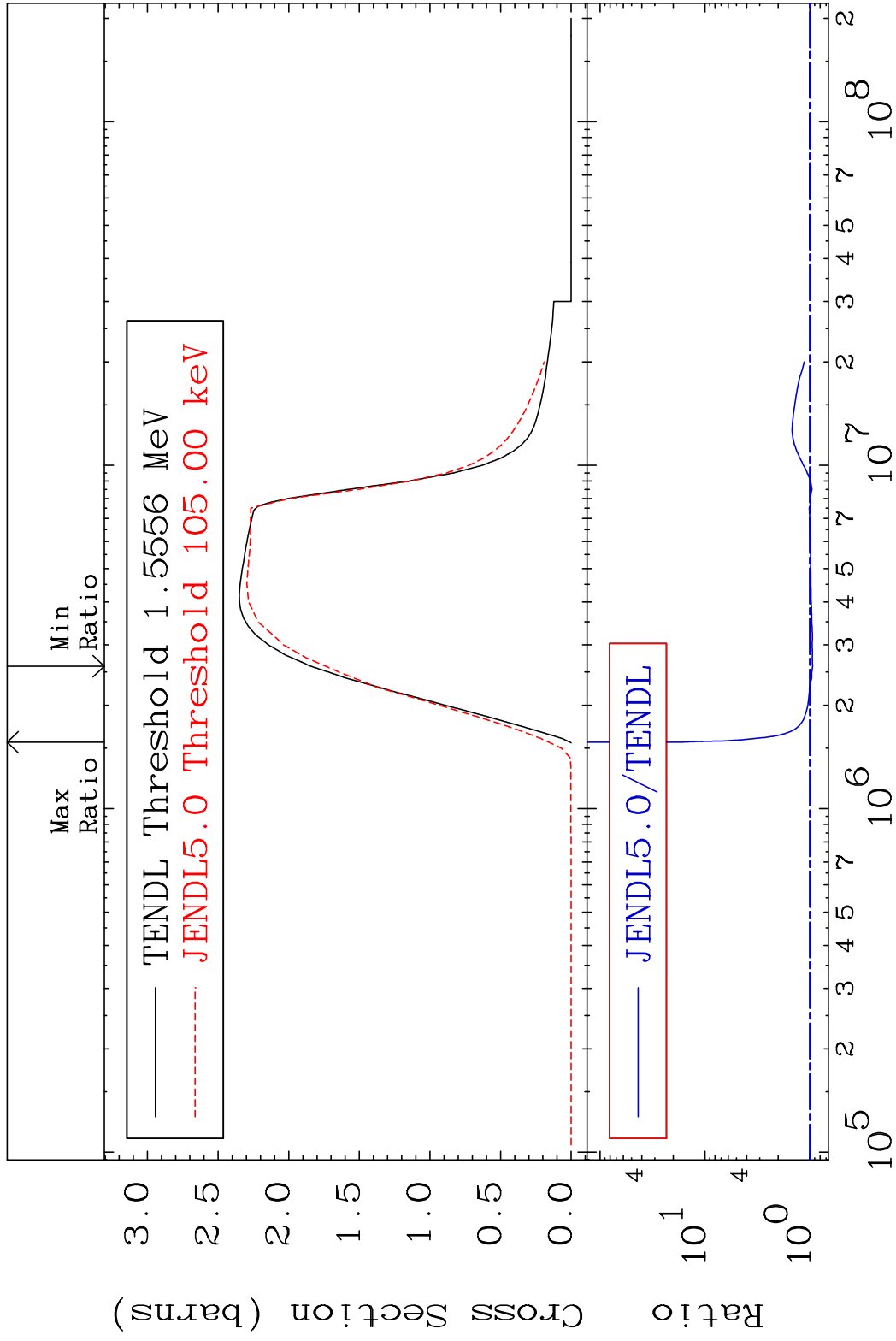


MAT 6049

(n, n') Continuum

60-Nd-150

Cross Section -5.731 To 1540. %



28

Incident Energy (eV)

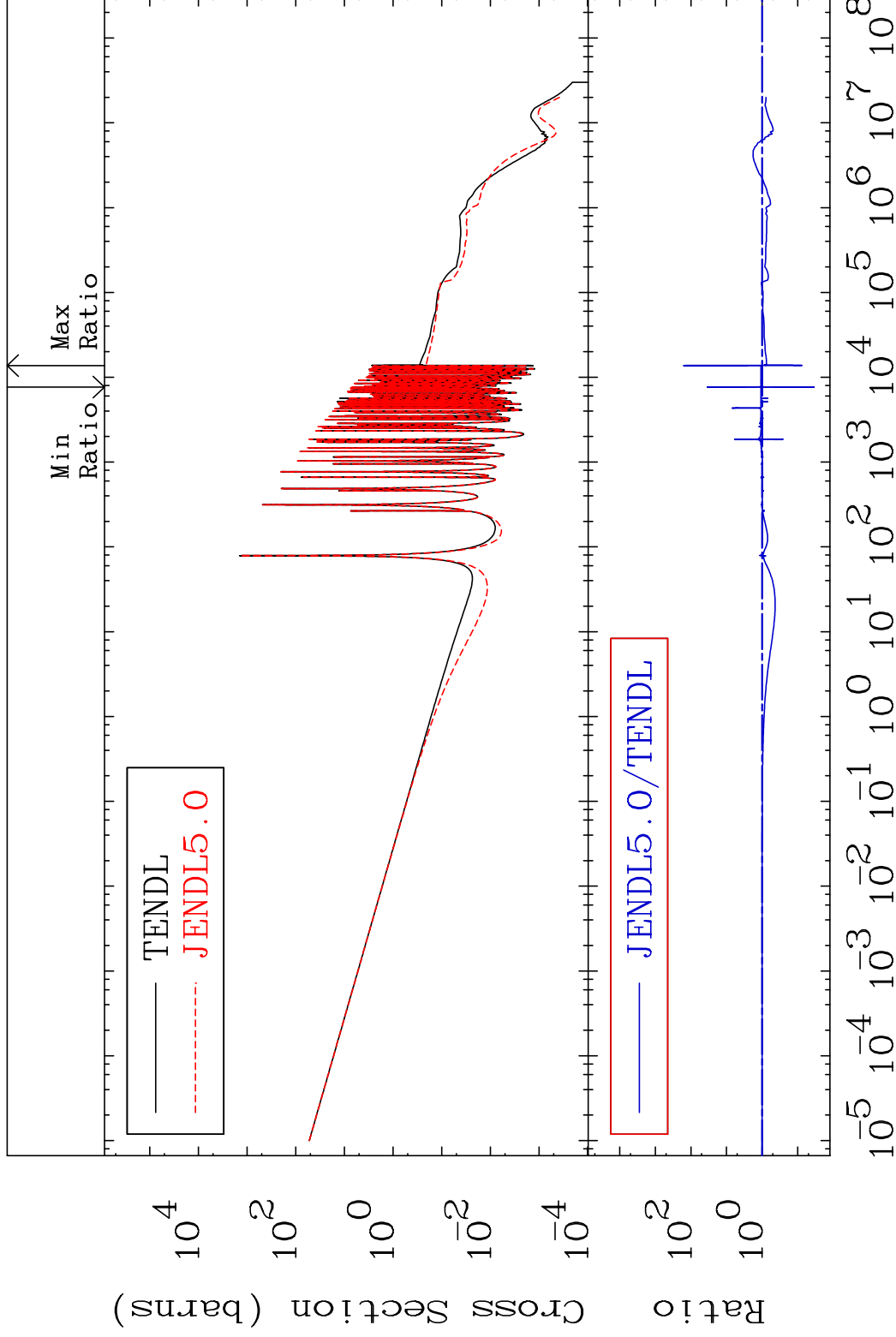
60-Nd-150

MAT 6049

(n, γ)

60-Nd-150

Cross Section -96.55 To 9999. %

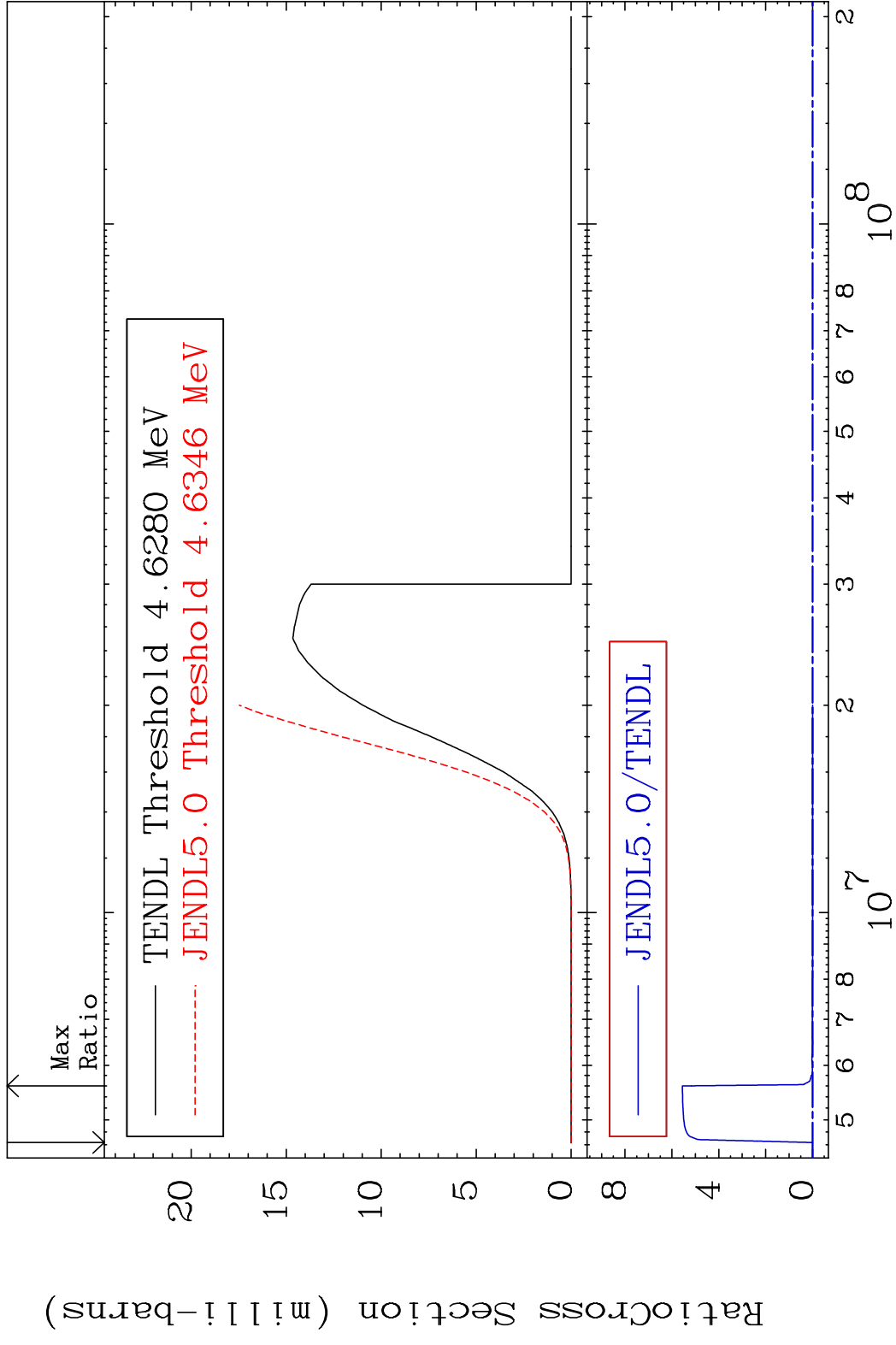


29

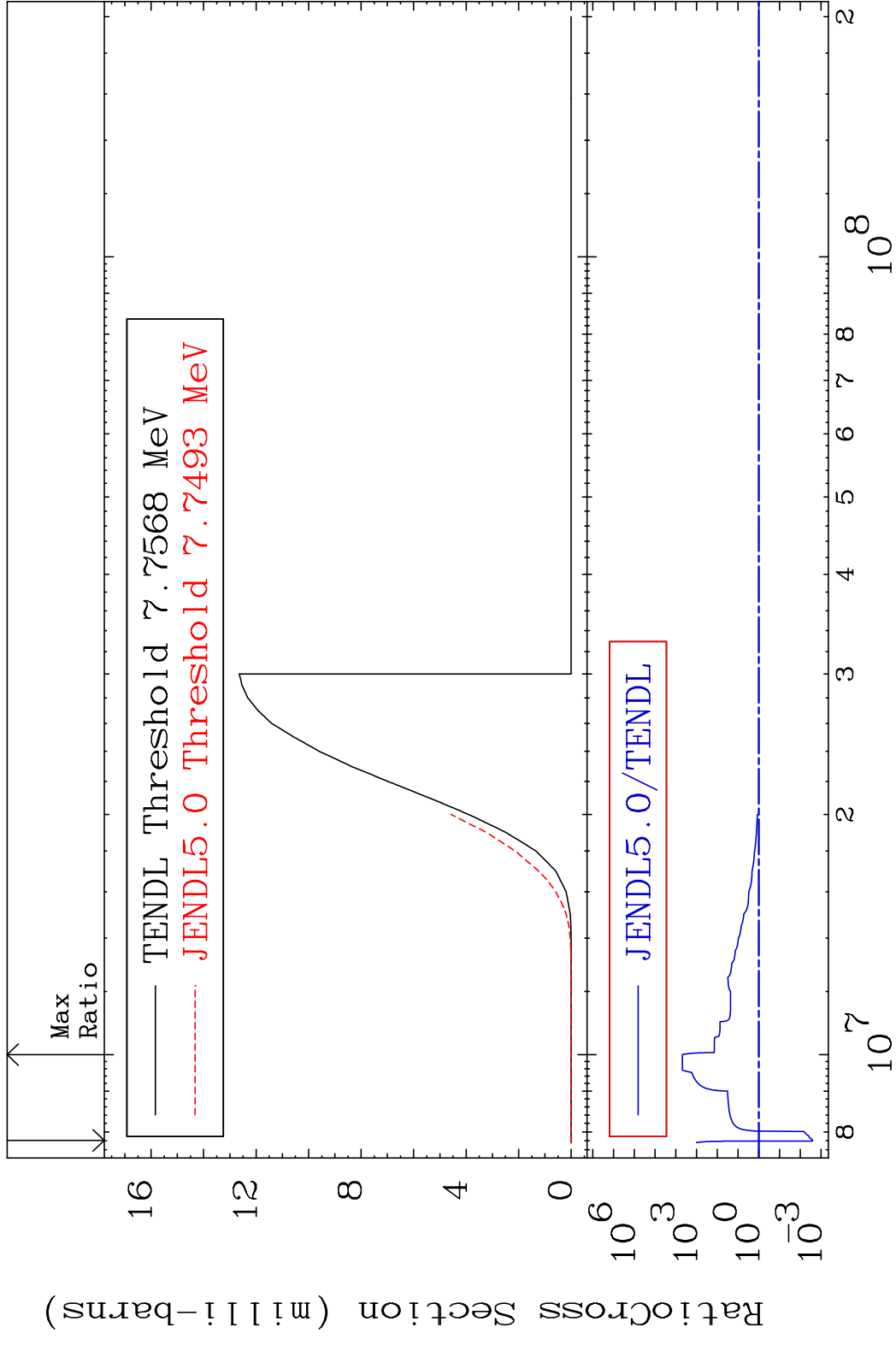
Incident Energy (eV)

60-Nd-150

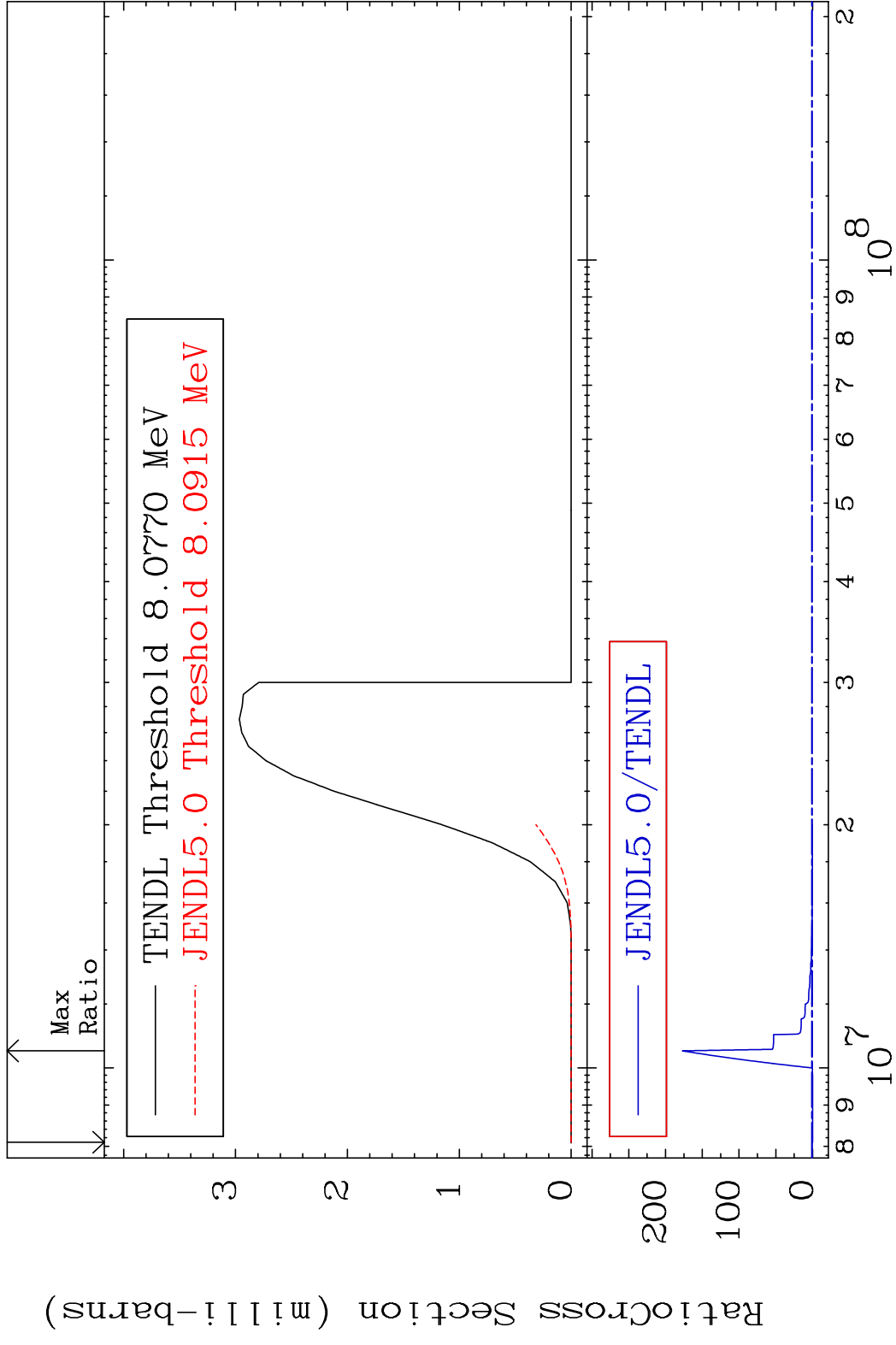
MAT 6049 (n,p) 60-Nd-150
 Cross Section -100.0 To 9999. %



MAT 6049 (n,d) 60-Nd-150
 Cross Section -99.74 To 9999. %



MAT 6049 (n, t) 60-Nd-150
 Cross Section -100.0 To 9999. %



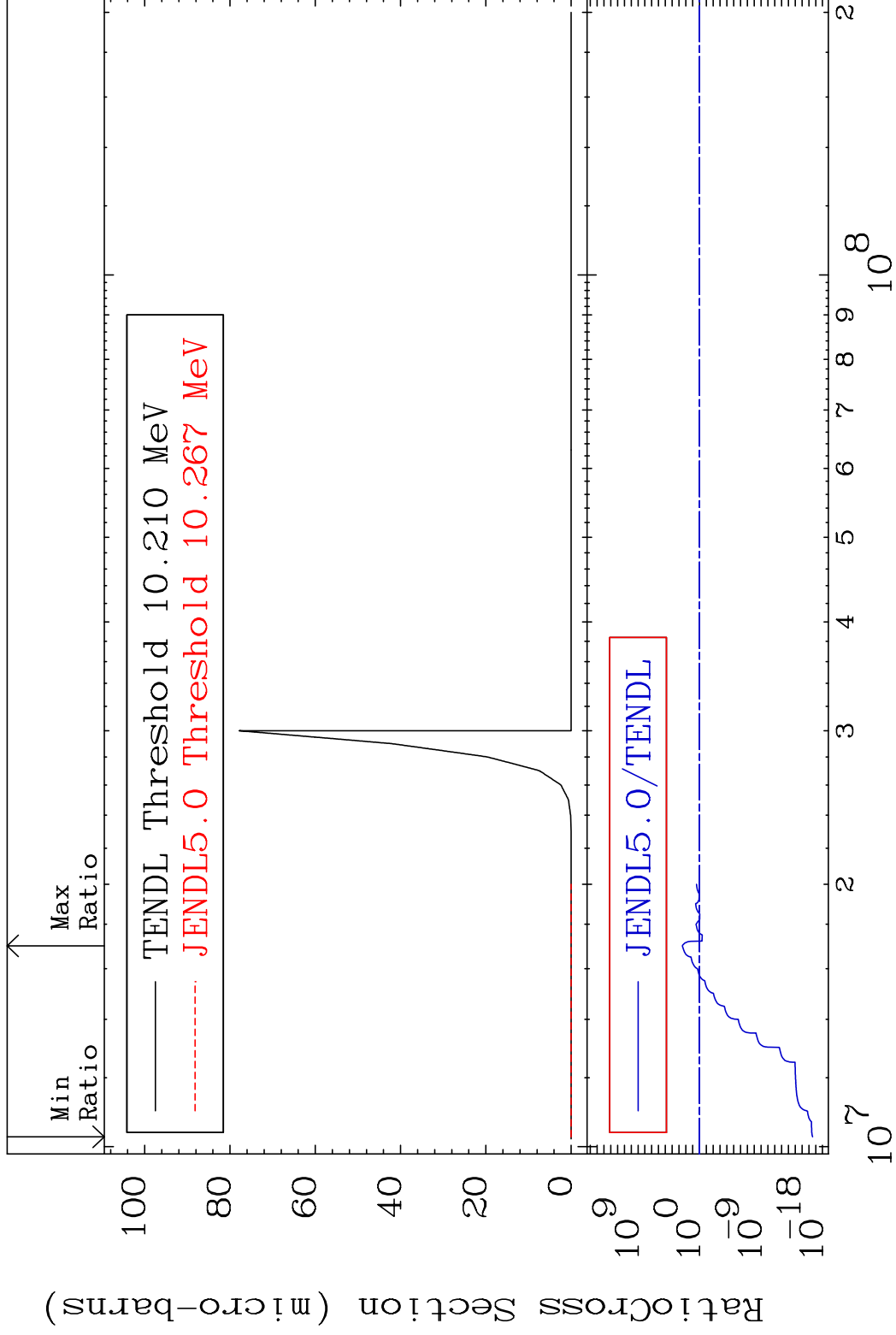
32 Incident Energy (eV) 60-Nd-150

MAT 6049

(n, He-3)

60-Nd-150

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

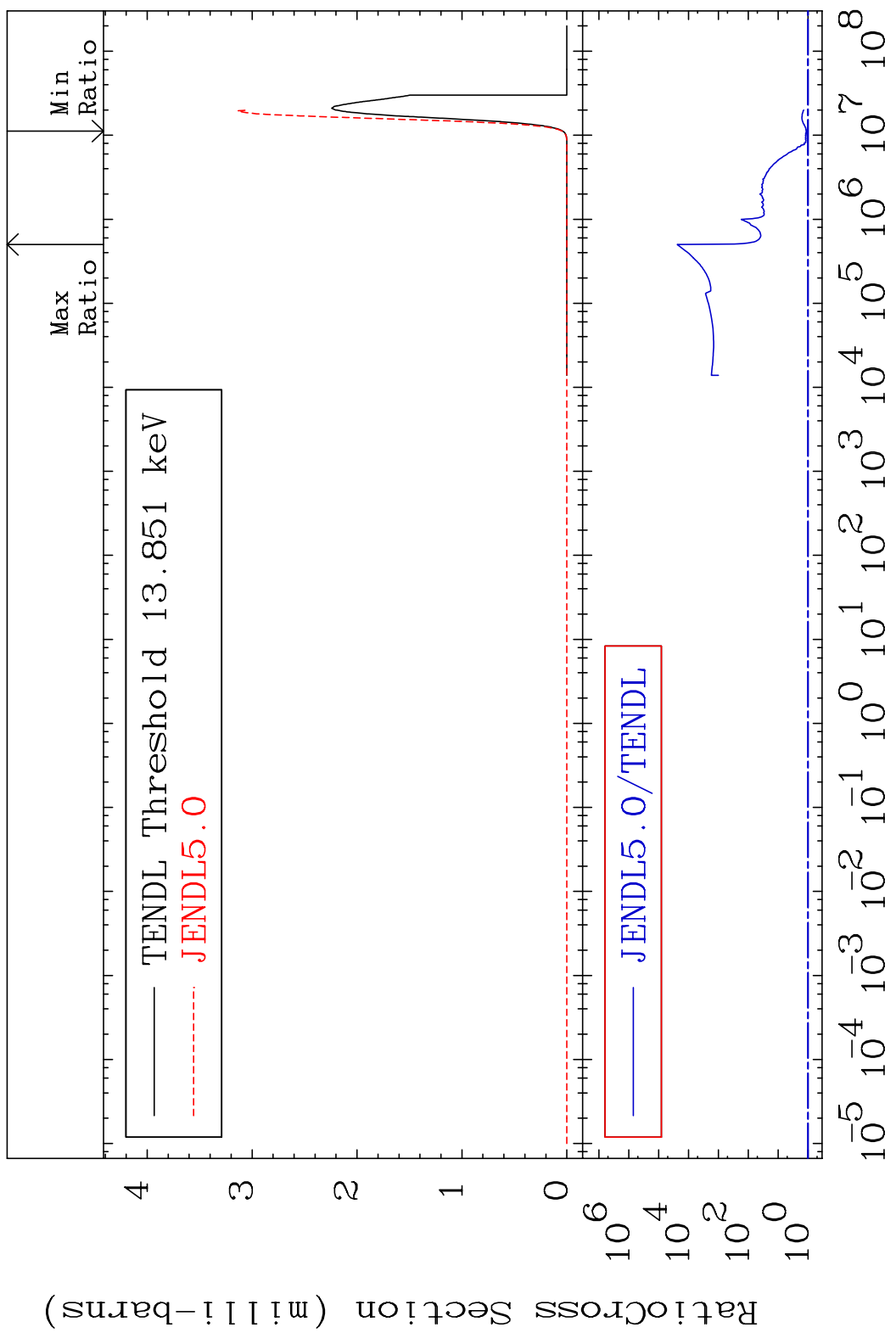
60-Nd-150

MAT 6049

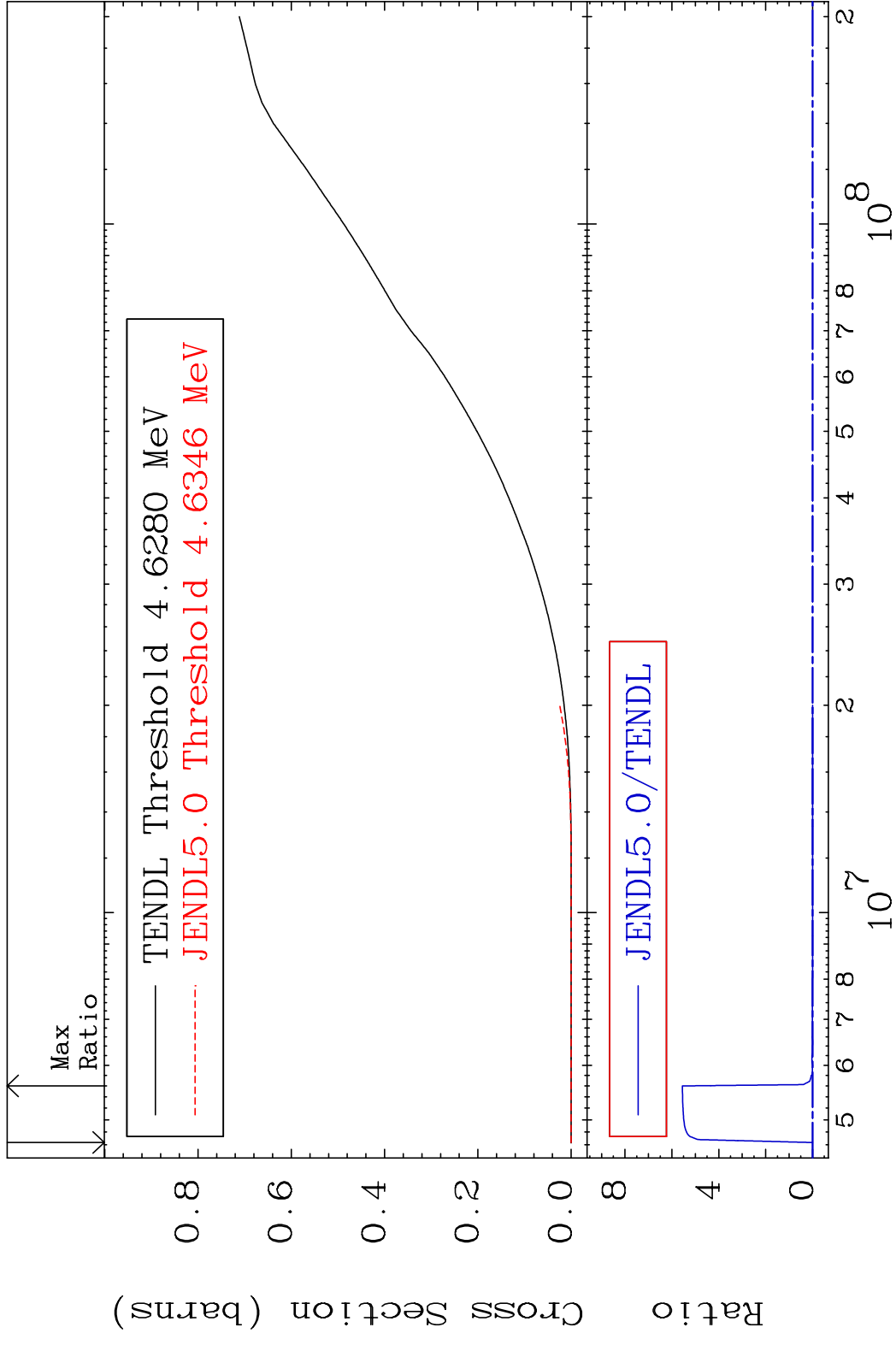
(n, α)

60-Nd-150

Cross Section 13.13 To 9999. %



MAT 6049 Hydrogen Production 60-Nd-150
 Cross Section -100.0 To 9999. %

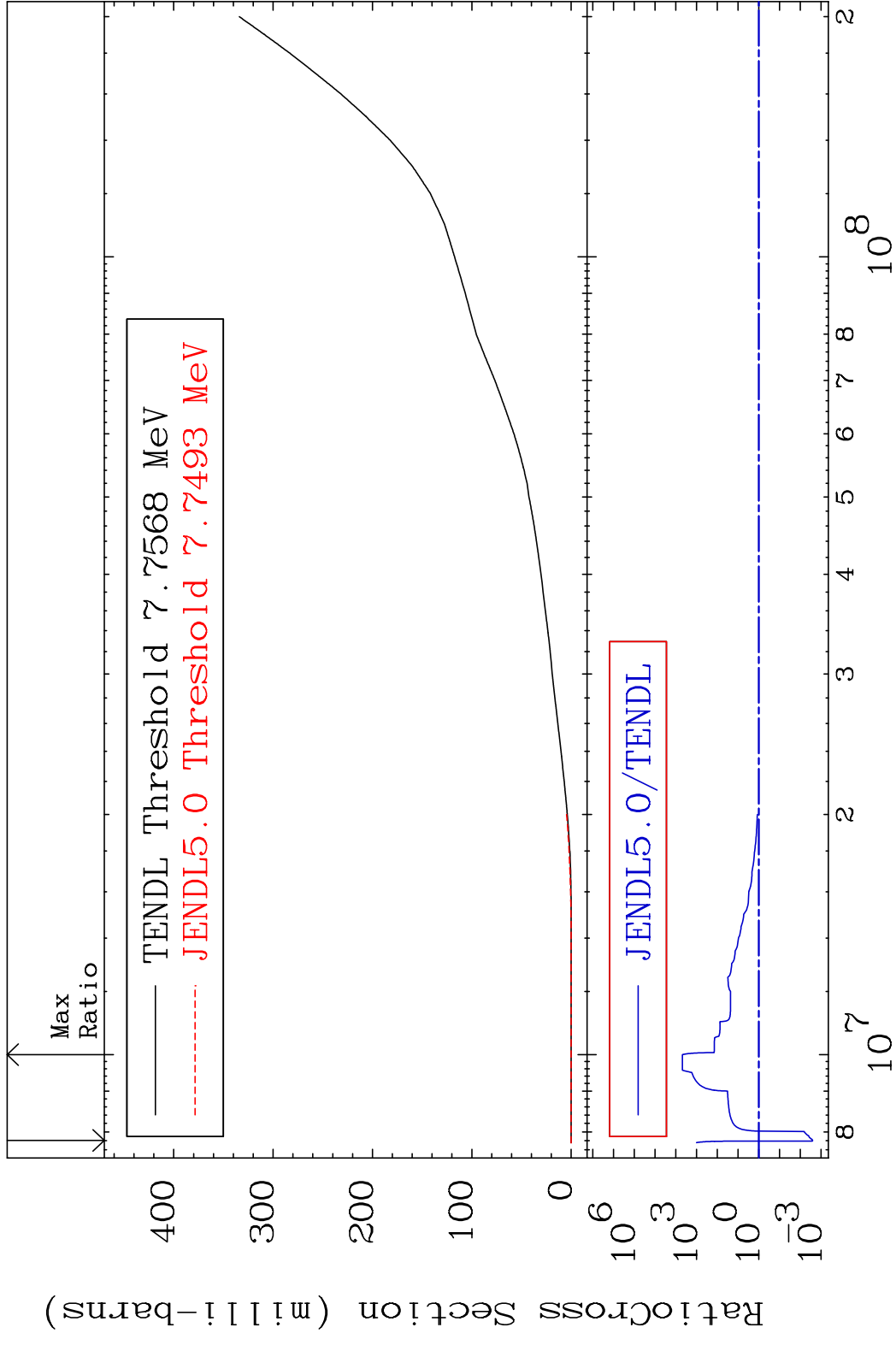


MAT 6049

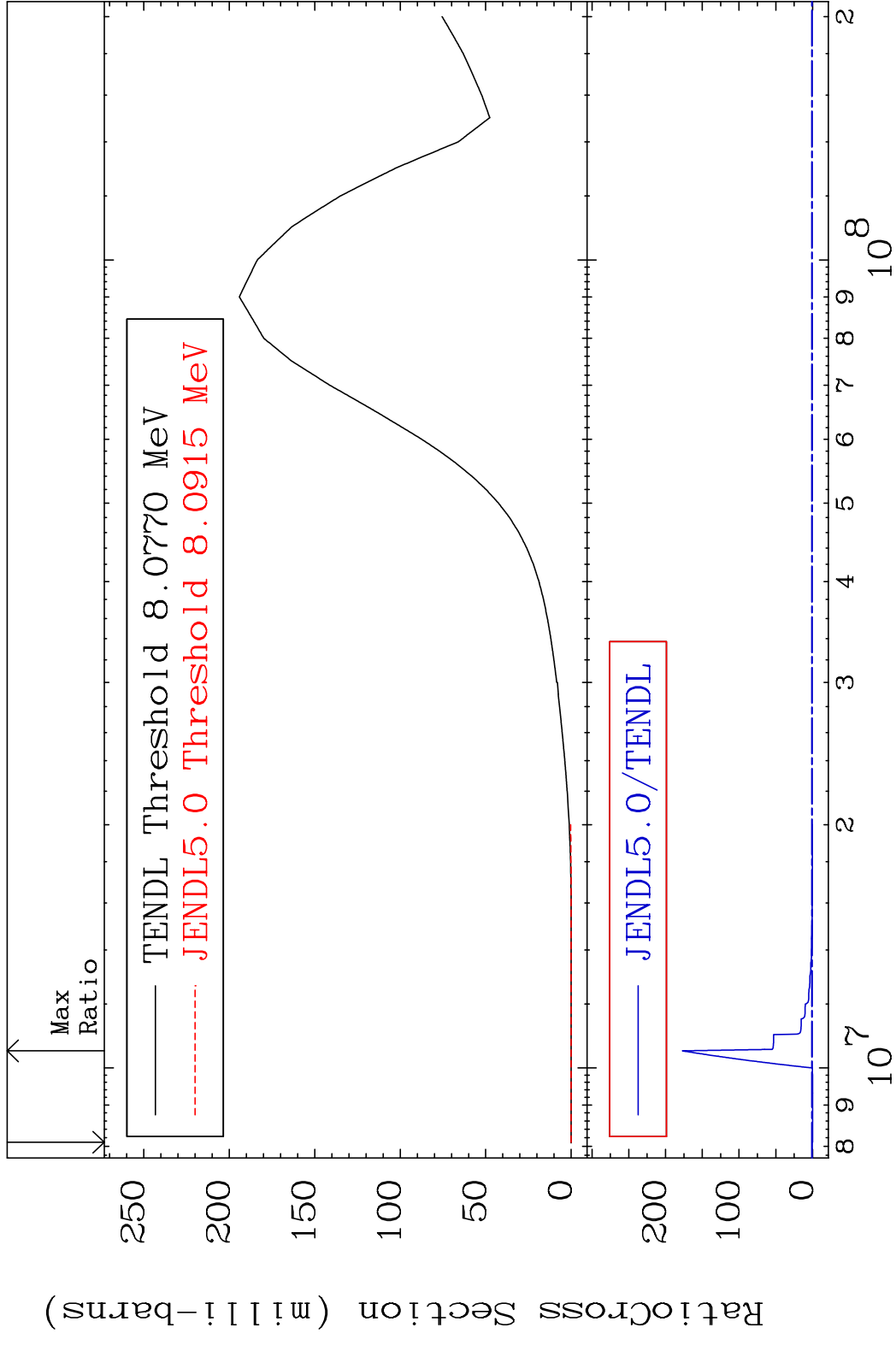
Deuterium Production

60-Nd-150

Cross Section -99.74 To 9999. %



MAT 6049 Tritium Production 60-Nd-150
 Cross Section -100.0 To 9999. %

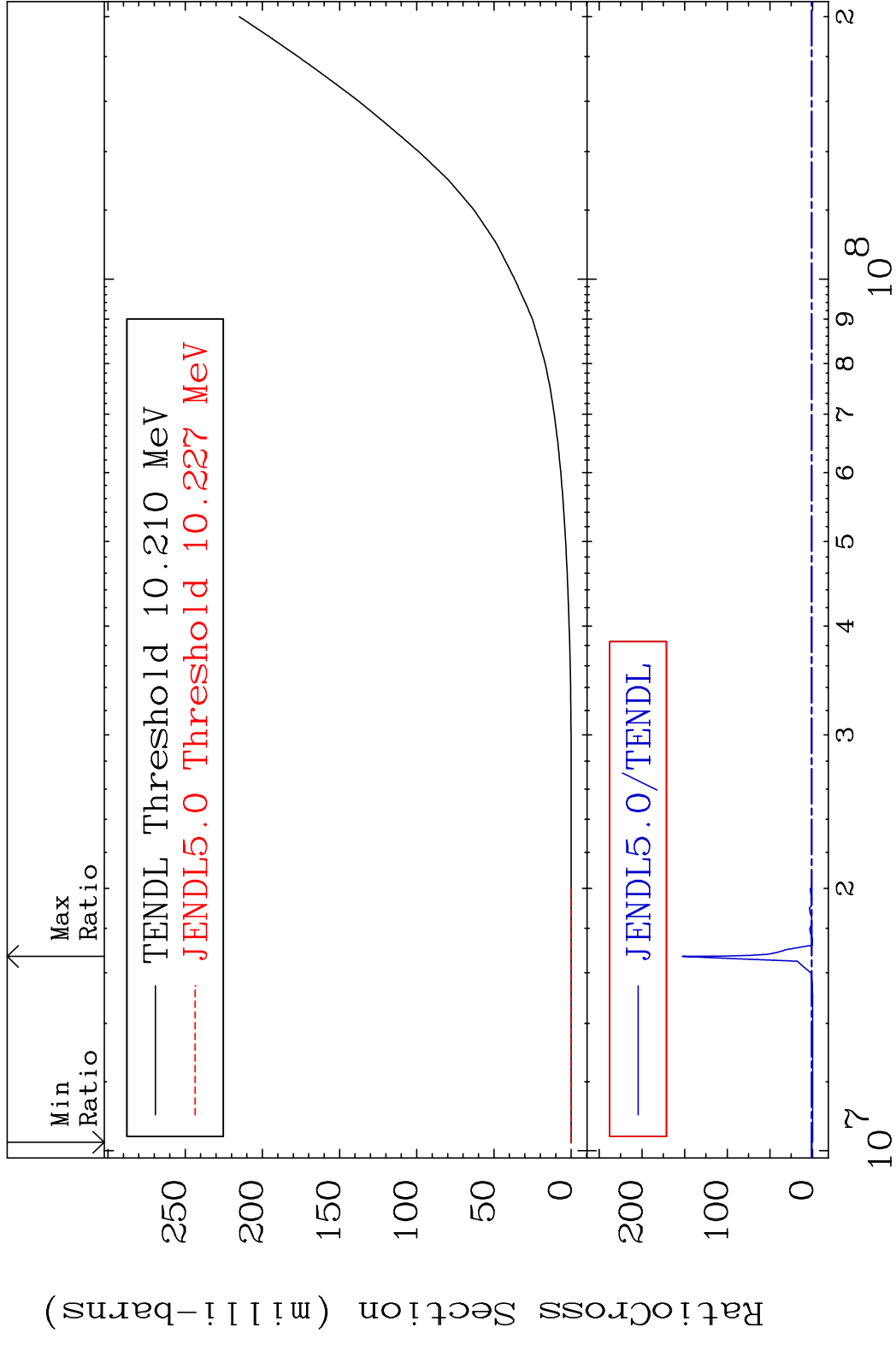


MAT 6049

He-3 Production

60-Nd-150

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

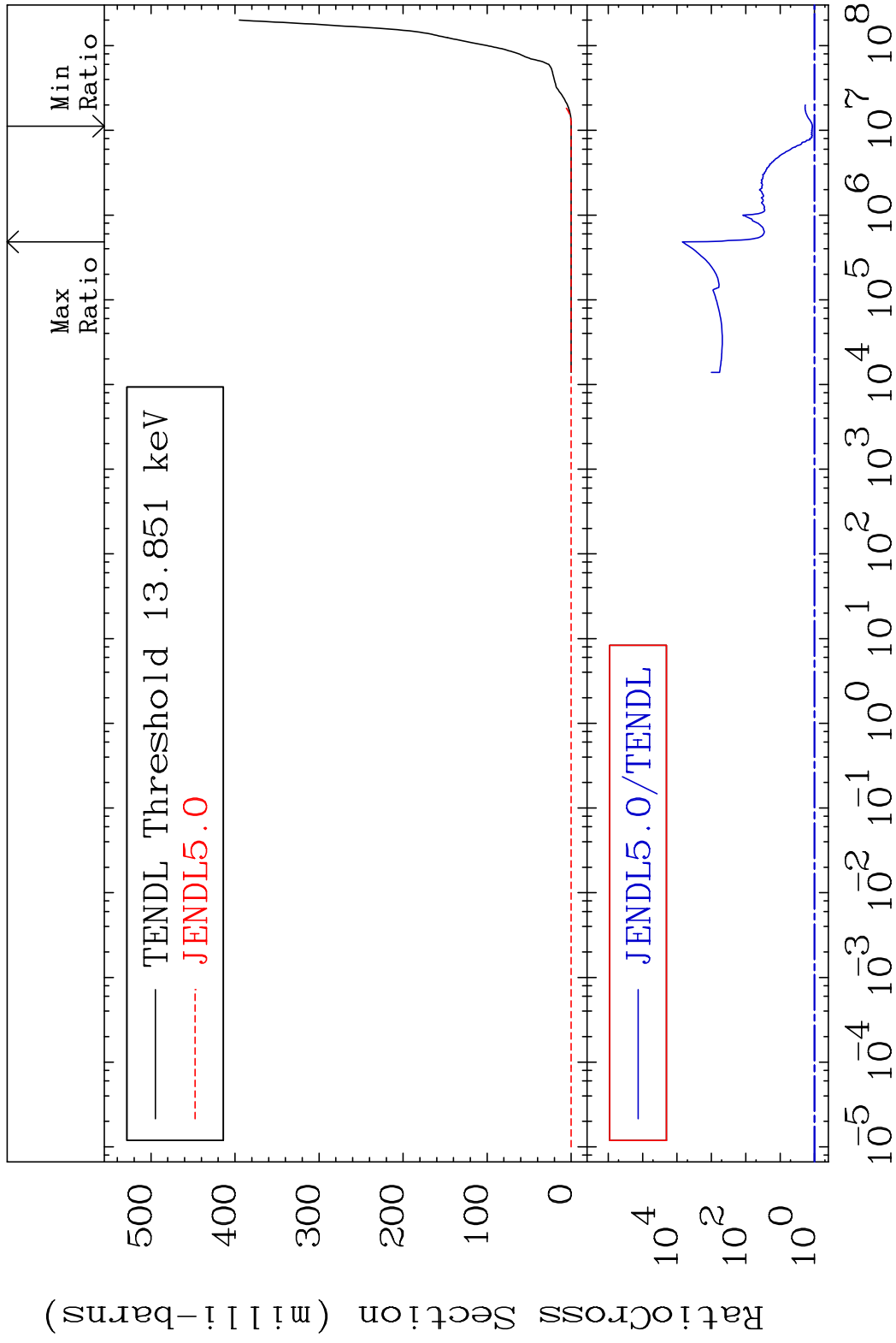
60-Nd-150

MAT 6049

He-4 Production

60-Nd-150

Cross Section 14.22 To 9999. %



39

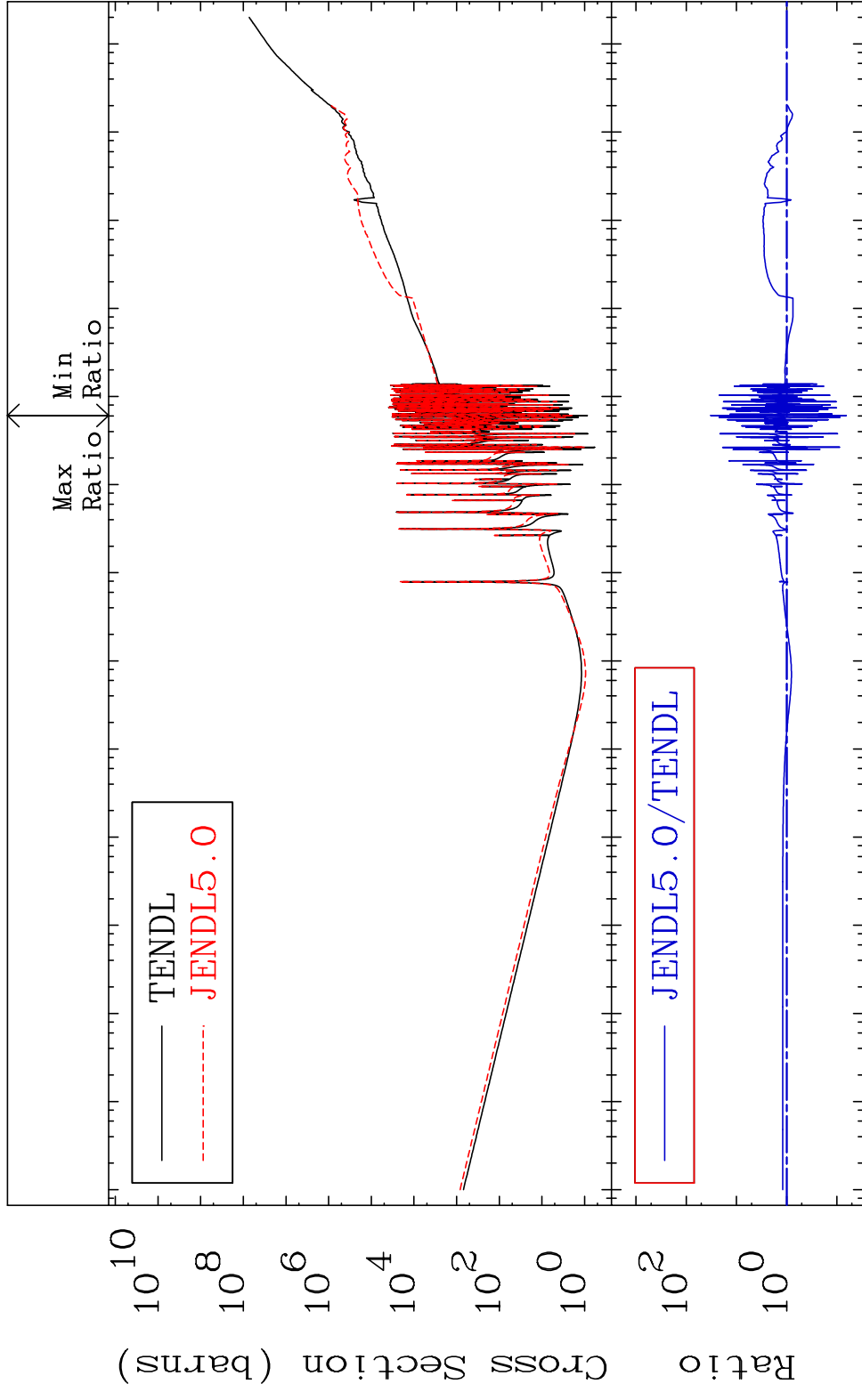
Incident Energy (eV)

60-Nd-150

MAT 6049

Kerma total (eV-barns) 60-Nd-150

Cross Section -93.53 To 3155. %



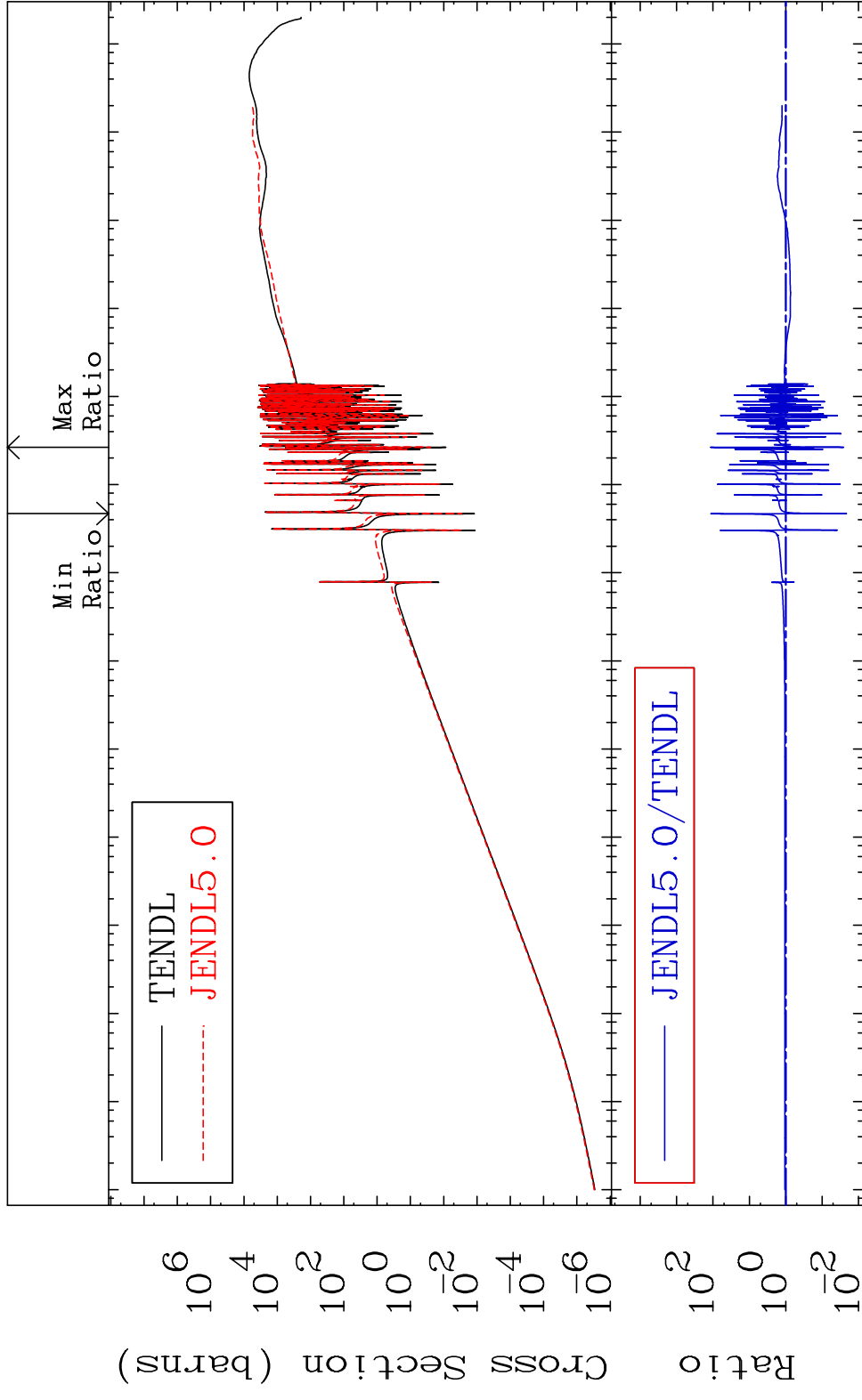
40

Incident Energy (eV)

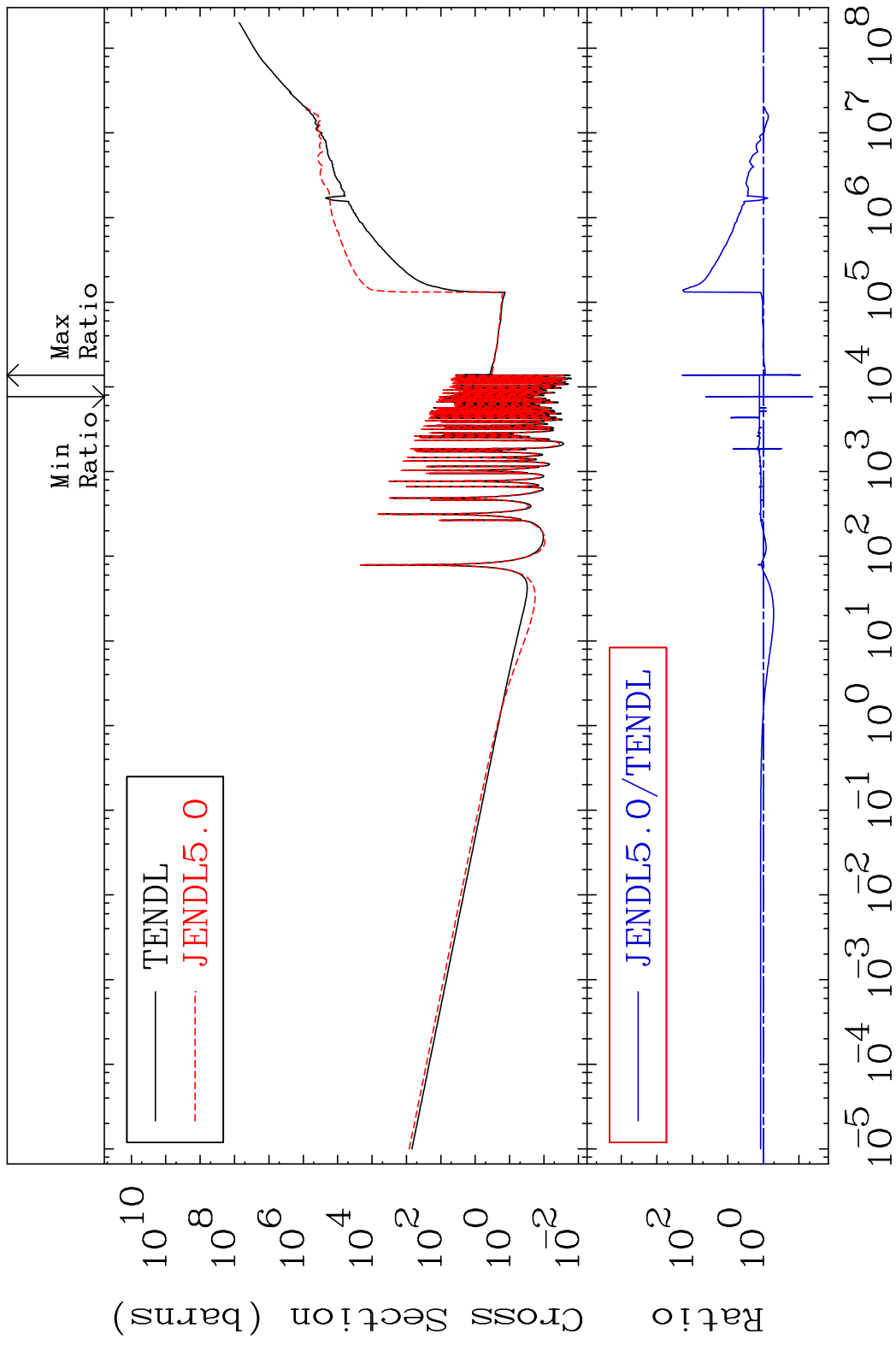
60-Nd-150

MAT 6049

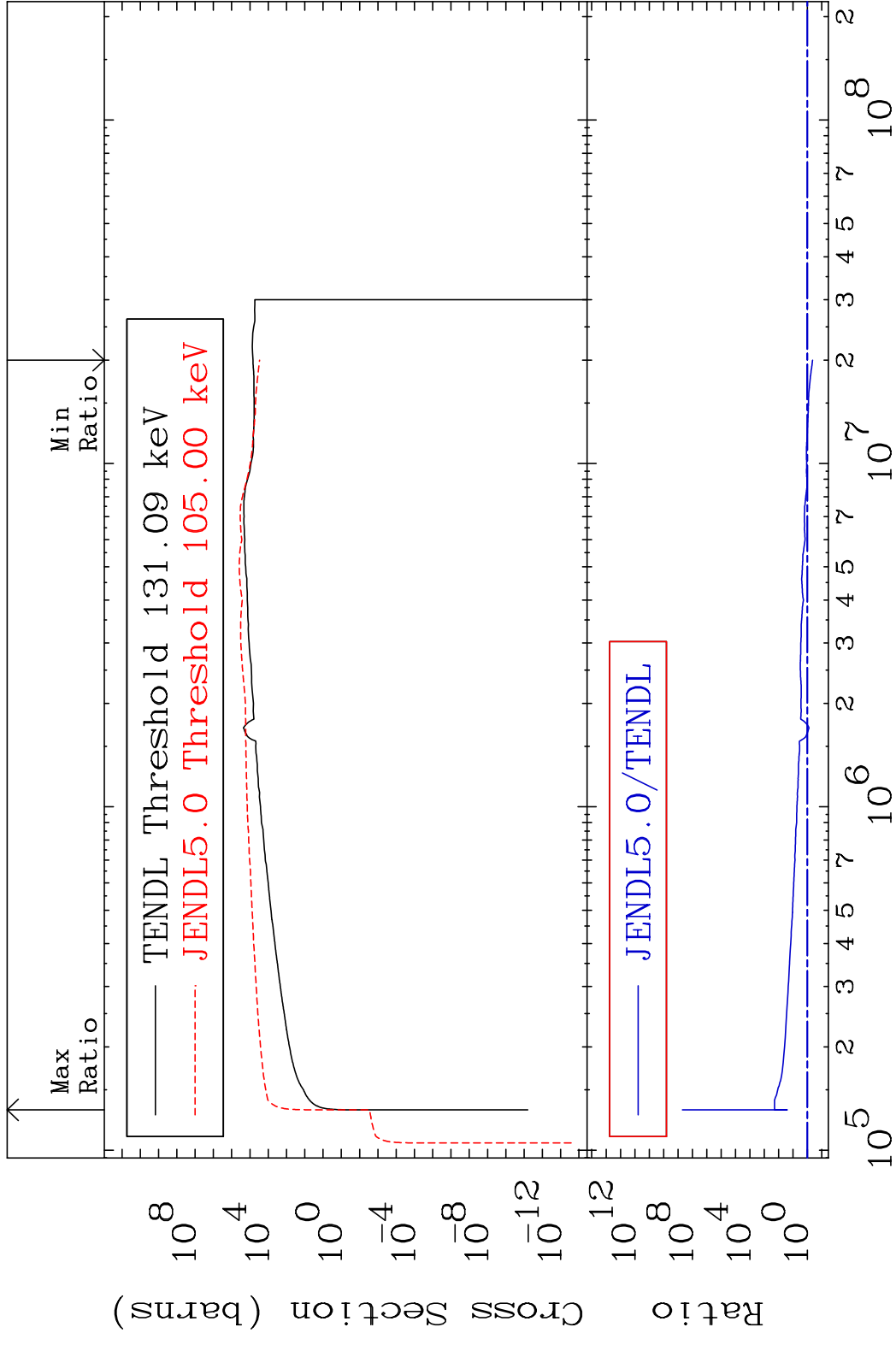
Kerma elastic Cross Section -97.85 To 9999. %
60-Nd-150



MAT 6049 Kerma non-elastic (all but mt2) 60-Nd-150
 Cross Section -95.87 To 9999. %

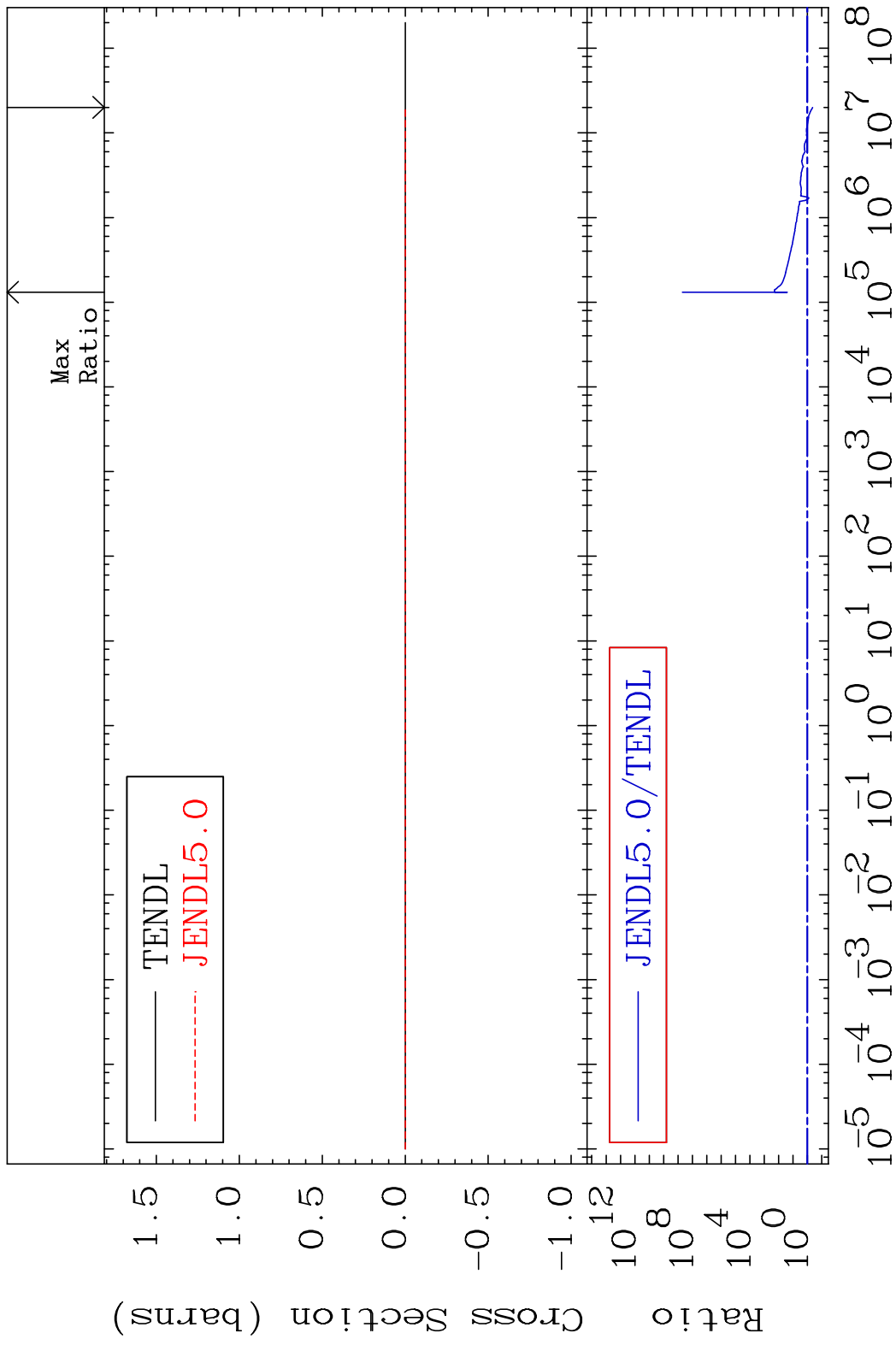


MAT 6049 Kerma inelastic (mt51-91) 60-Nd-150
 Cross Section -56.94 To 9999. %



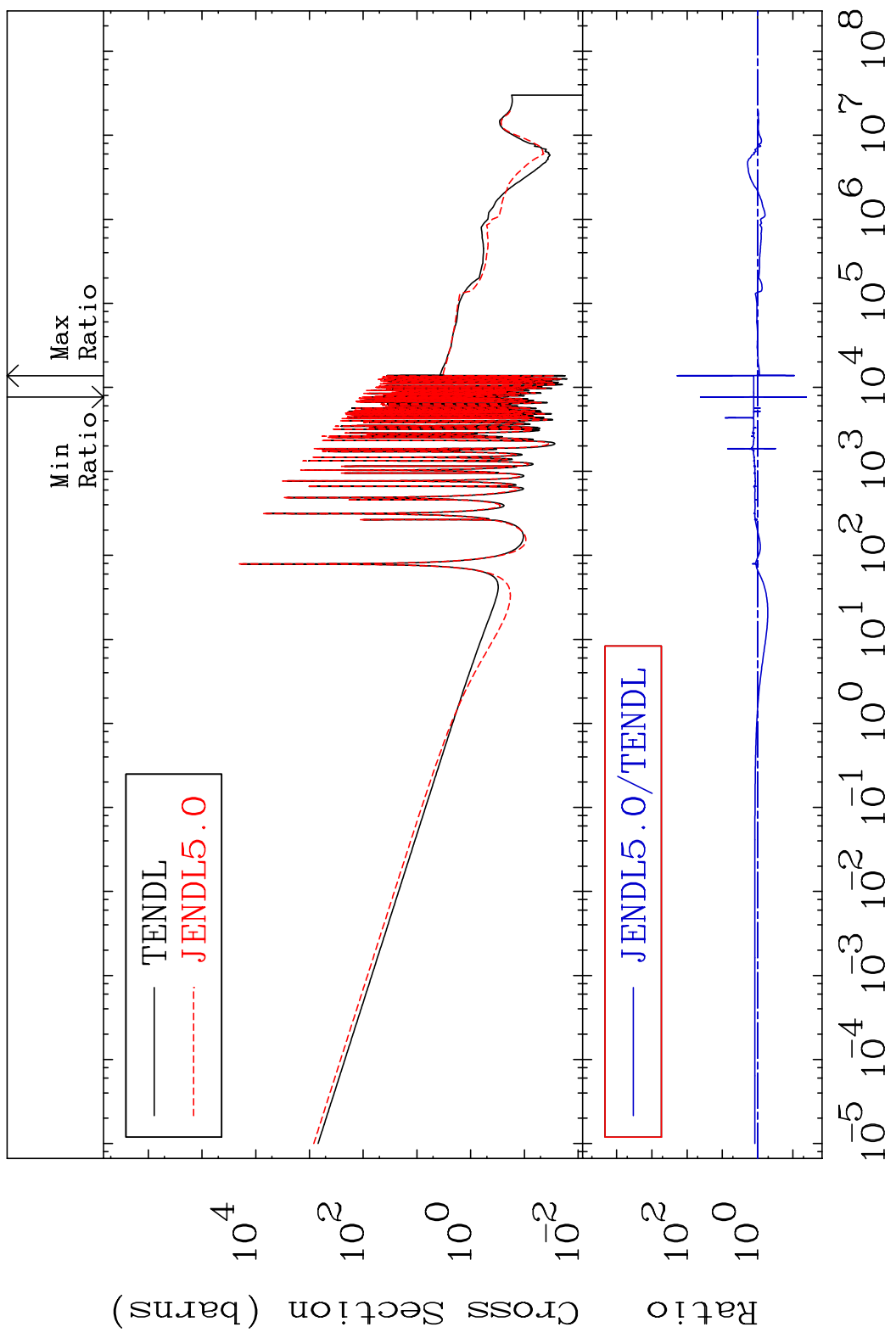
43 Incident Energy (eV) 60-Nd-150

MAT 6049 Kerma fission (mt18 or mt19-20-21-38) ⁶⁰Nd-150
 Cross Section -56.94 To 9999. %



MAT 6049

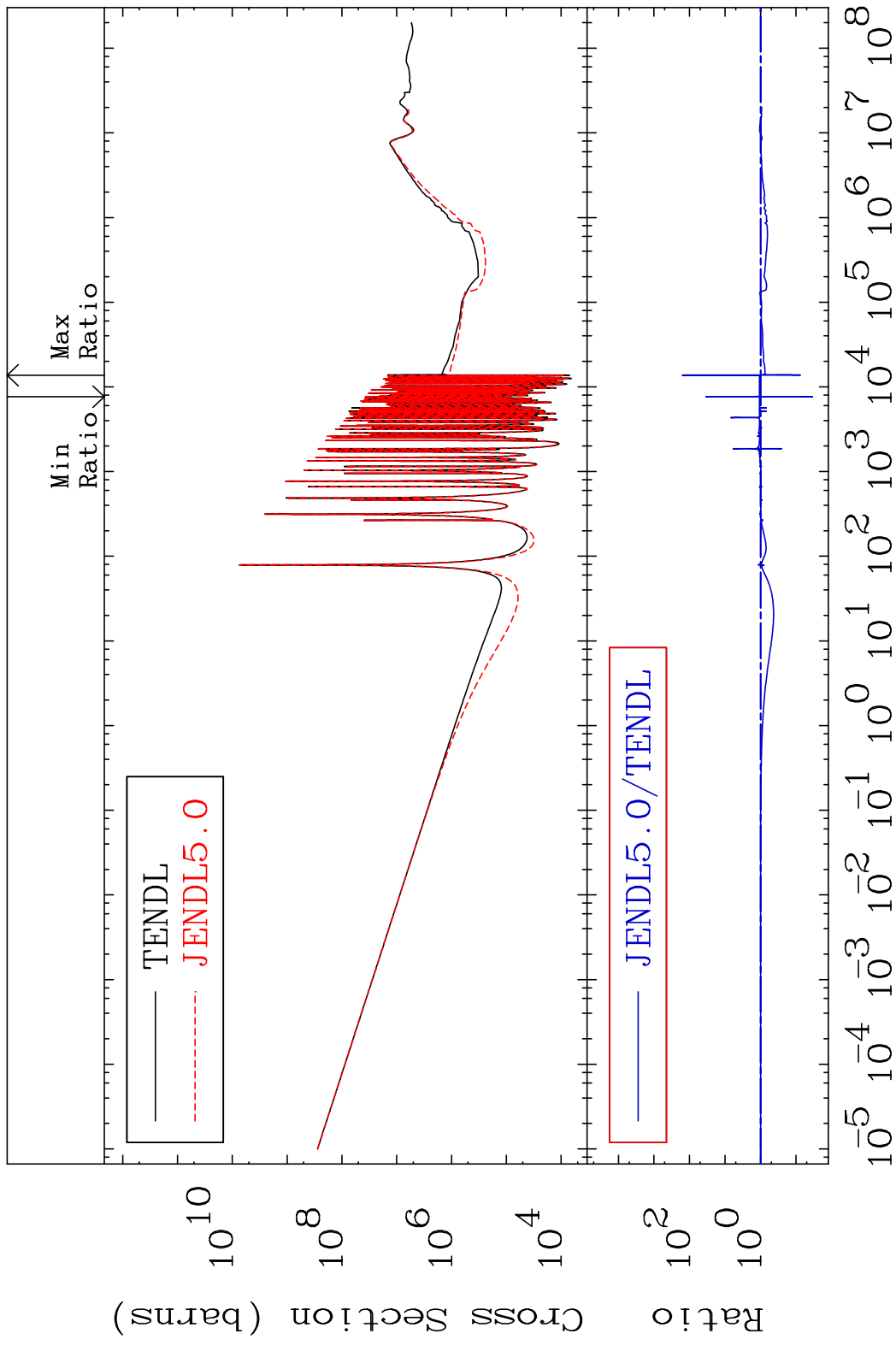
Kerma capture (mt102) 60-Nd-150
Cross Section -95.87 To 9999. %



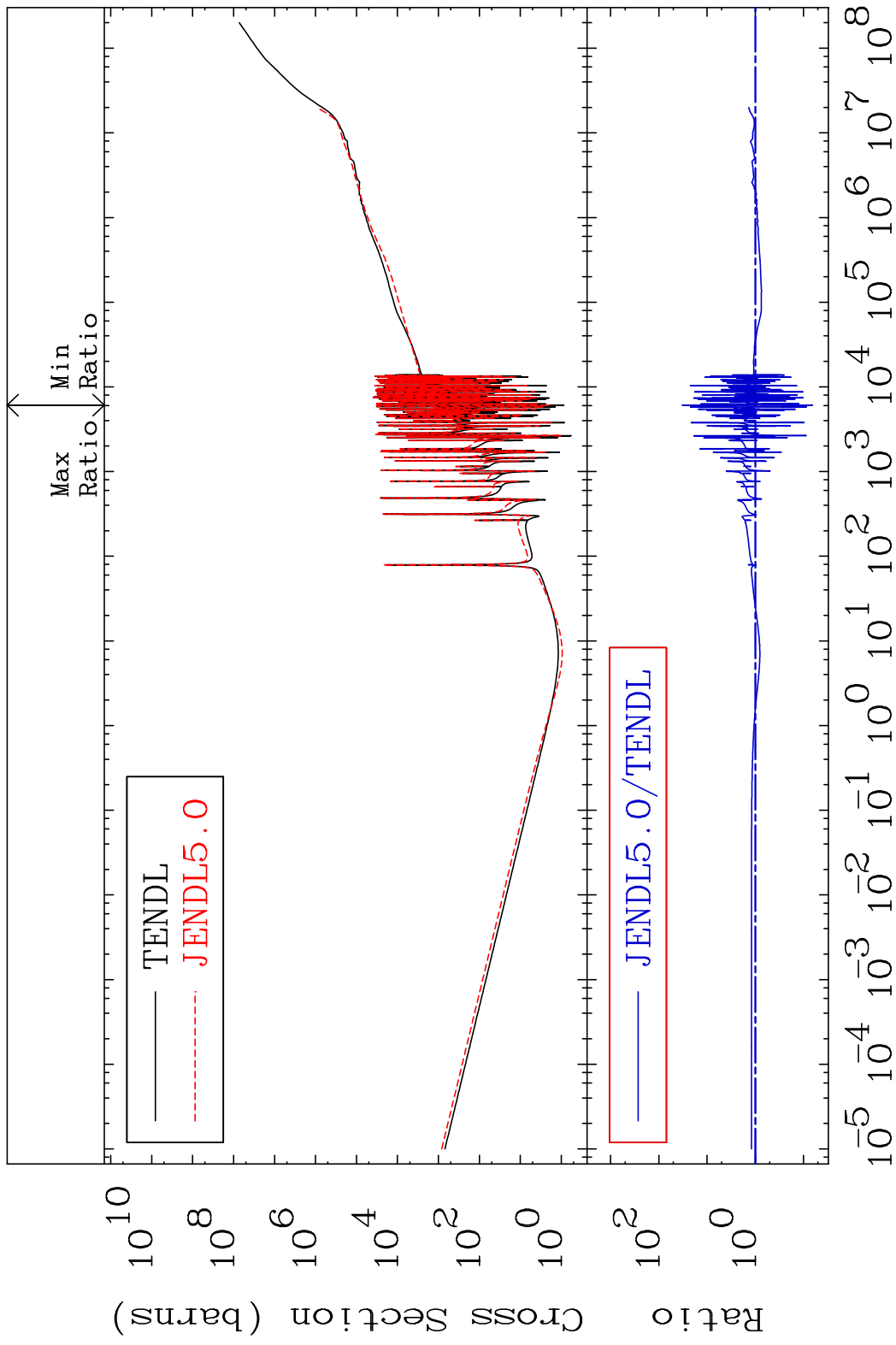
45

Incident Energy (eV) 60-Nd-150

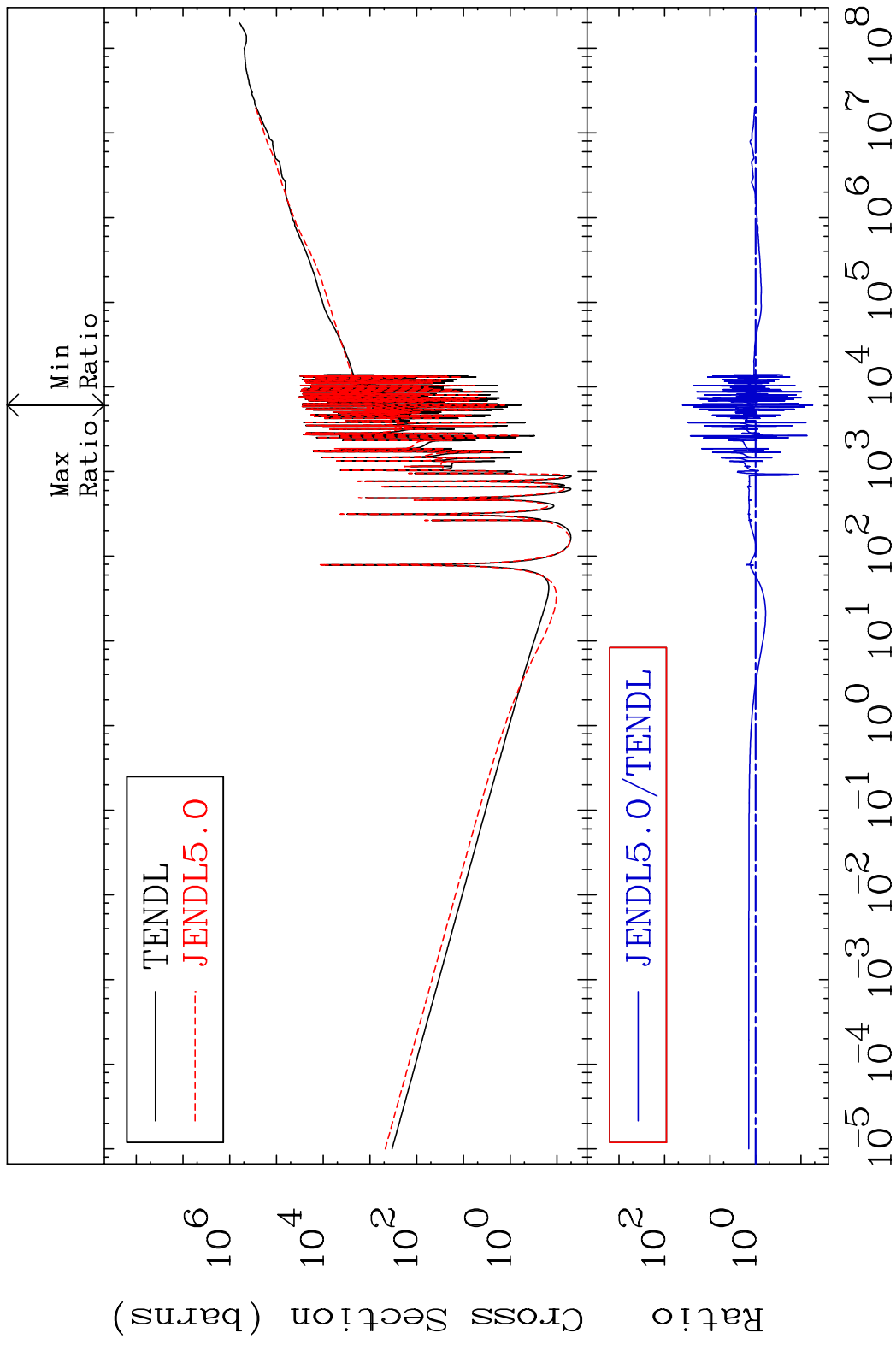
MAT 6049 Total photon (eV-barns) 60-Nd-150
Cross Section -96.57 To 9999. %



MAT 6049 Total kinematic kerma (high limit) 60-Nd-150
Cross Section -93.53 To 3155. %



MAT 6049 Dpa total (eV-barns) 60-Nd-150
 Cross Section -94.44 To 3954. %

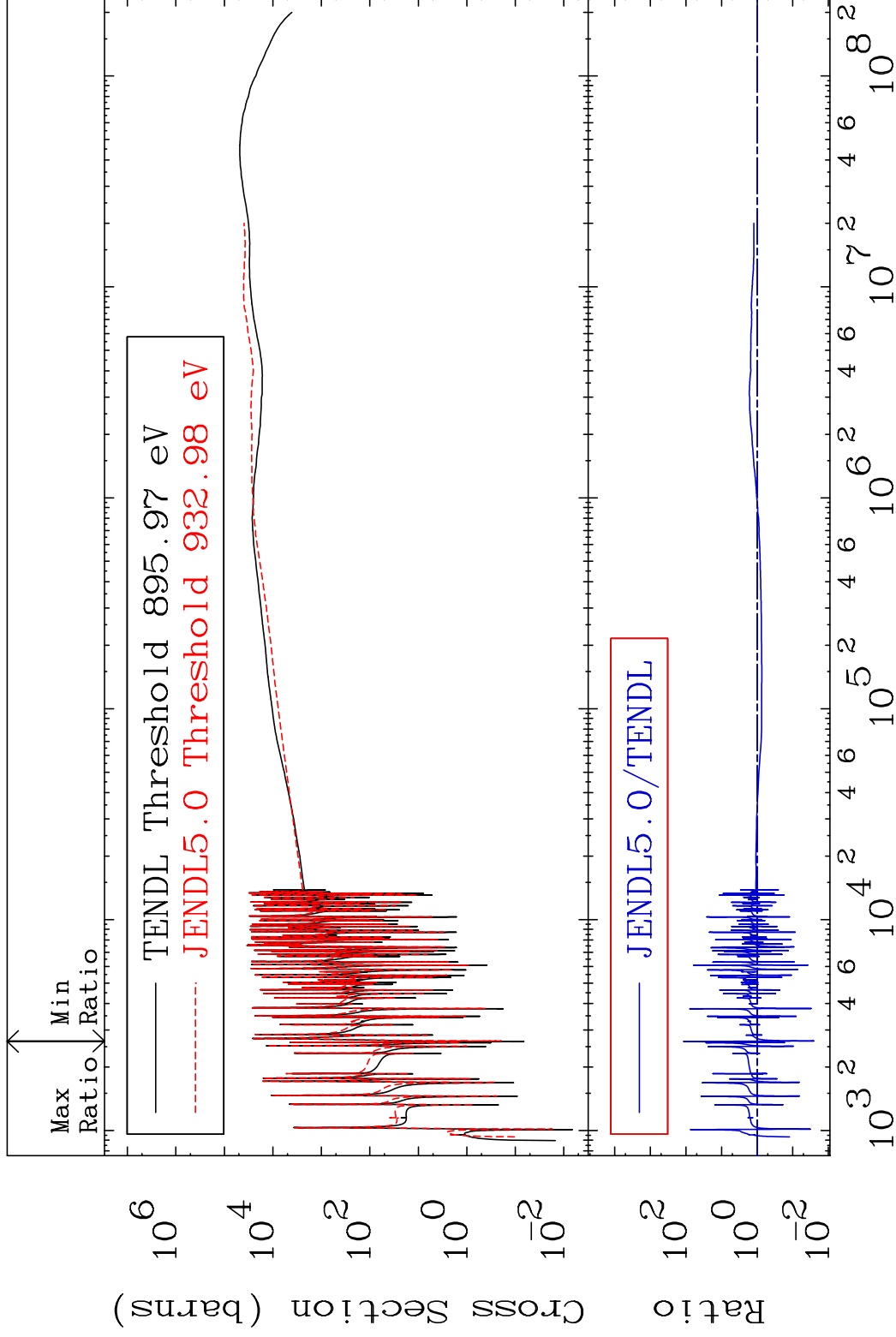


MAT 6049

Dpa elastic (mt2)

60-Nd-150

Cross Section -97.49 To 9999. %

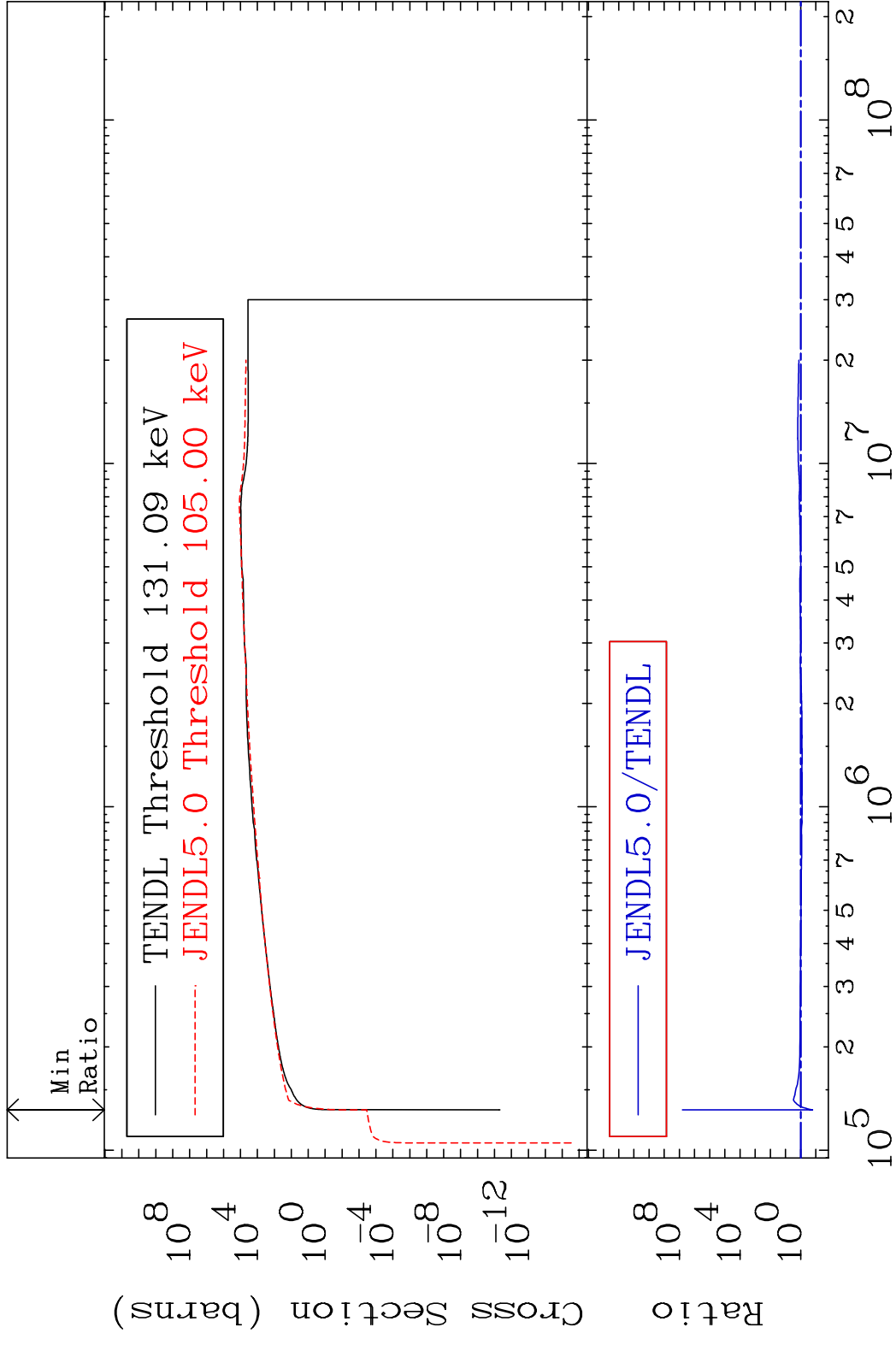


49

Incident Energy (eV)

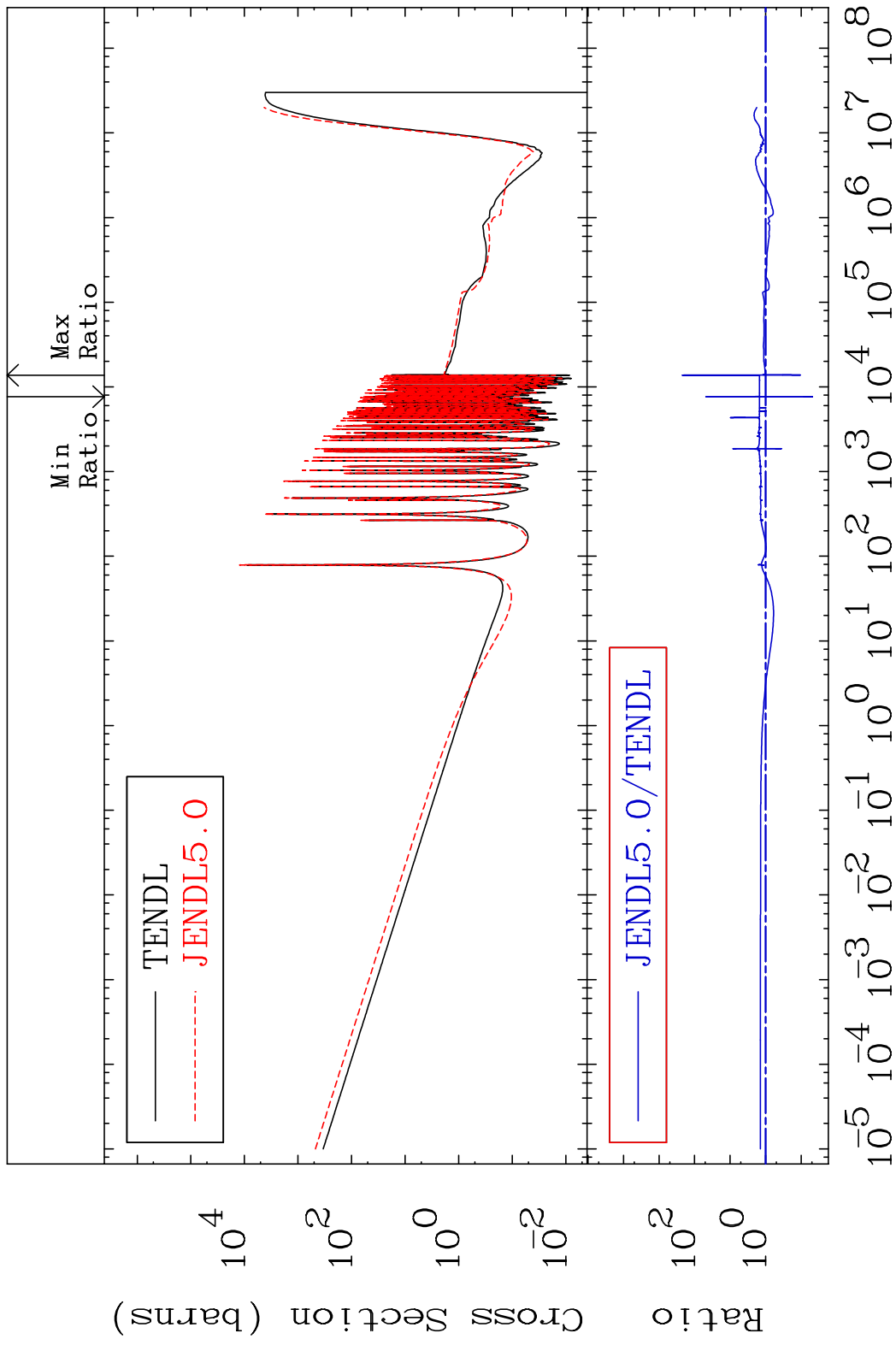
60-Nd-150

MAT 6049 Dpa inelastic (mt51-91) 60-Nd-150
 Cross Section -83.52 To 9999. %

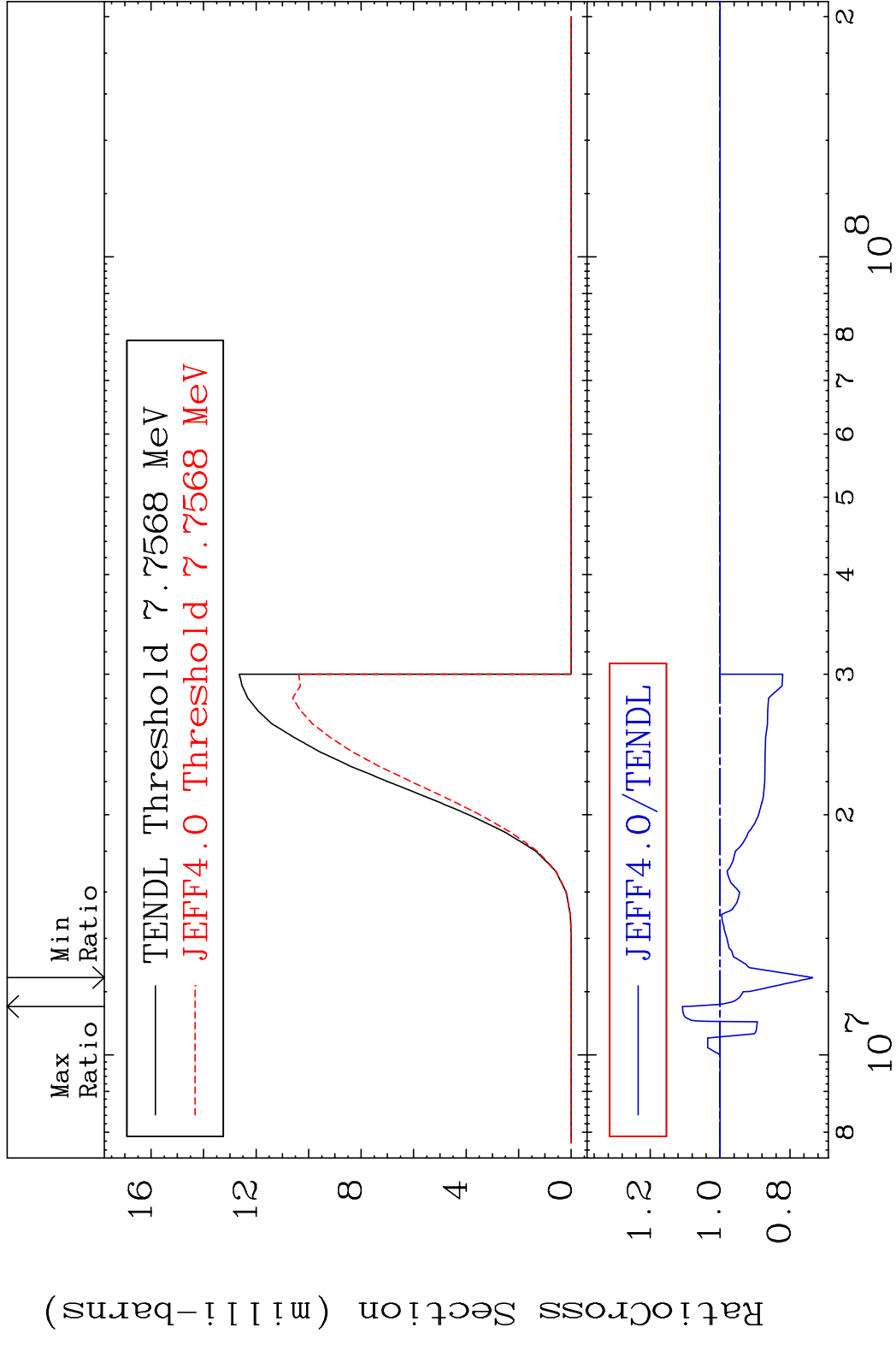


50 Incident Energy (eV) 60-Nd-150

MAT 6049 Dpa disappearance (mt102 -120) 60-Nd-150
 Cross Section -95.21 To 9999. %



MAT 6049 (n,d) 60-Nd-150
 Cross Section -26.45 To 10.79 %

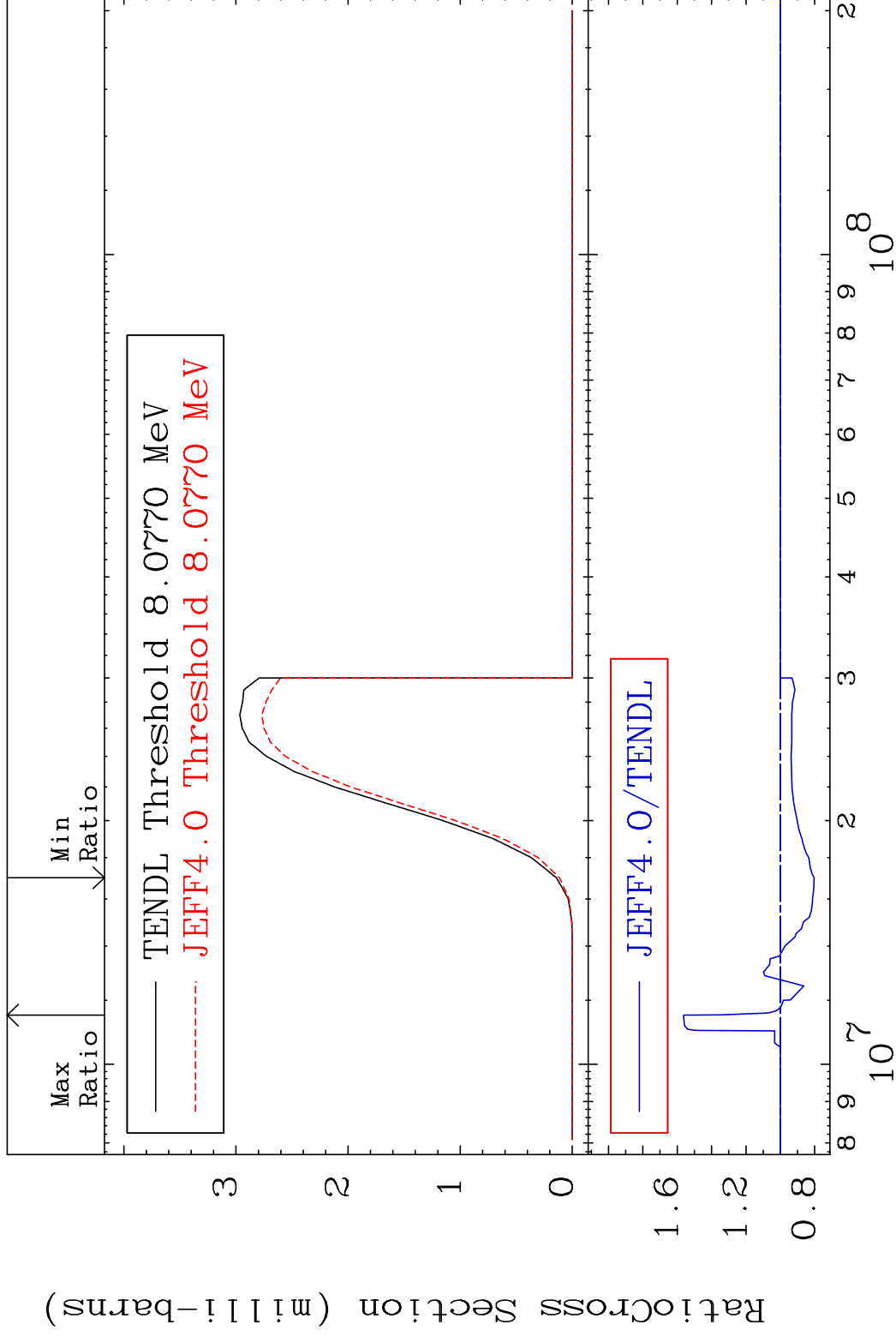


MAT 6049

(n, t)

60-Nd-150

Cross Section -19.65 To 56.25 %



53

Incident Energy (eV)

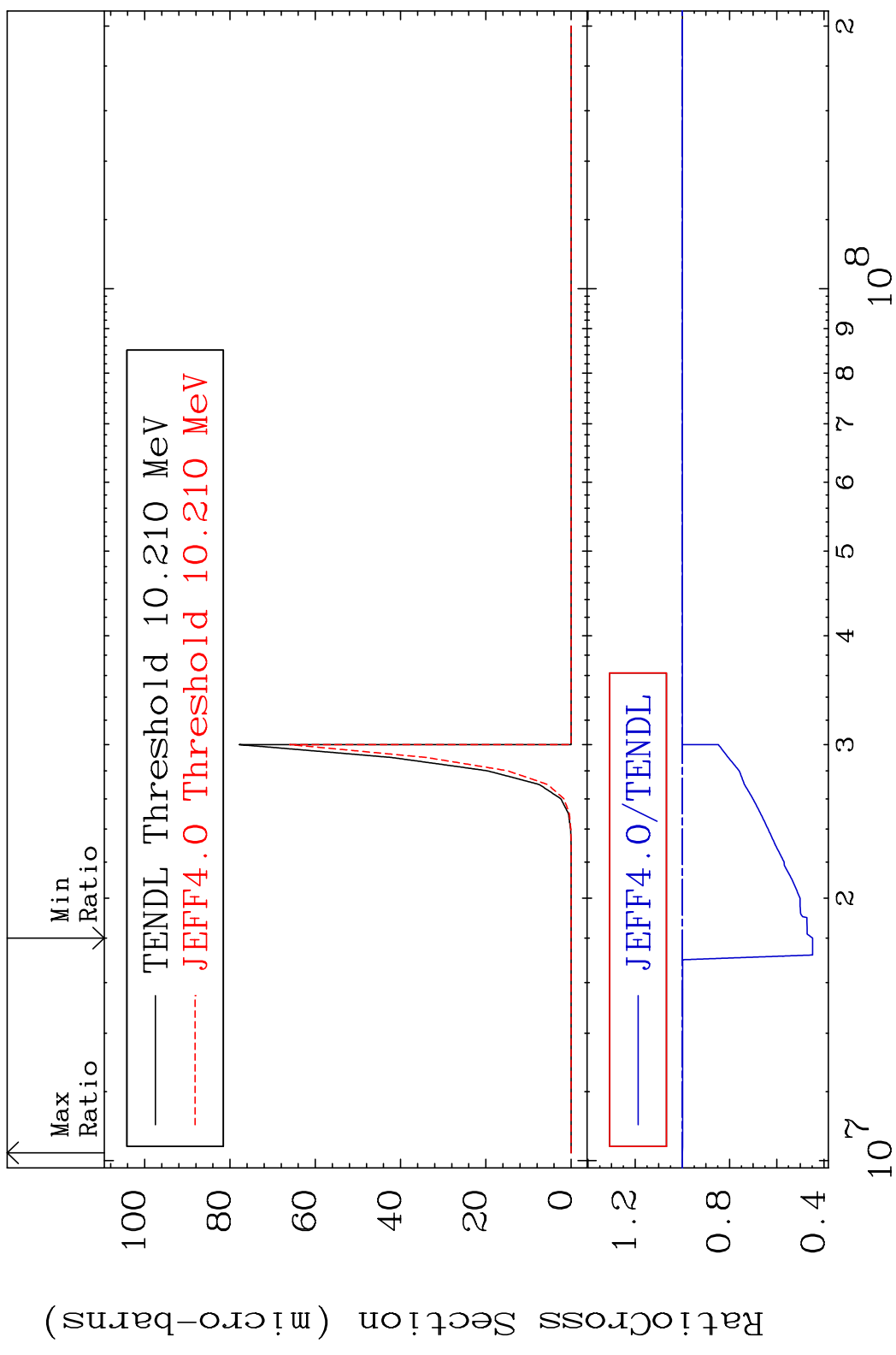
60-Nd-150

MAT 6049

(n, He-3)

60-Nd-150

Cross Section -55.18 To 0.000 %



54

Incident Energy (eV)

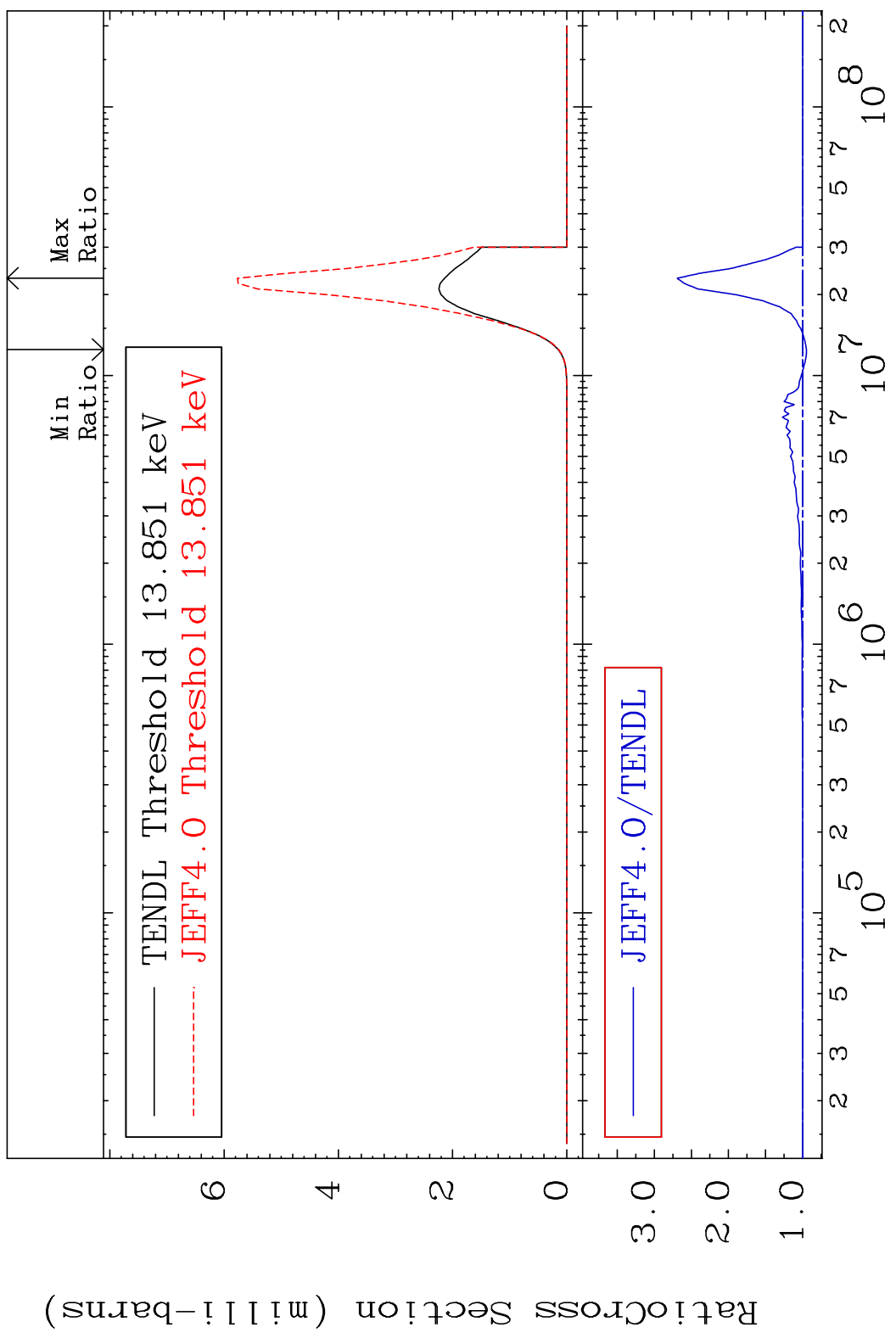
60-Nd-150

MAT 6049

(n, α)

60-Nd-150

Cross Section -5.125 To 169.1 %



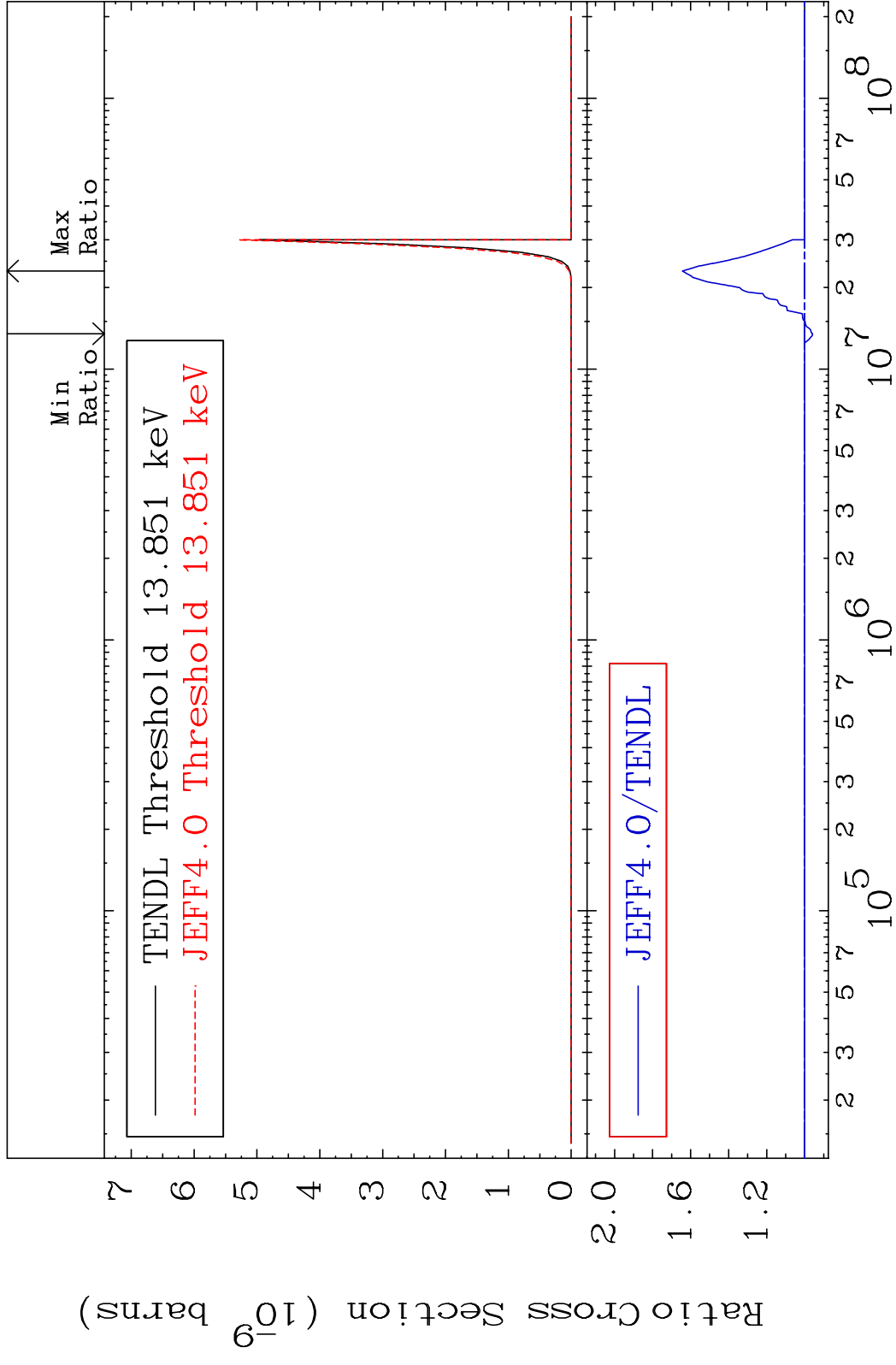
MAT 6049

(n, 2α)

60-Nd-150

Cross Section

-4.139 To 64.35 %

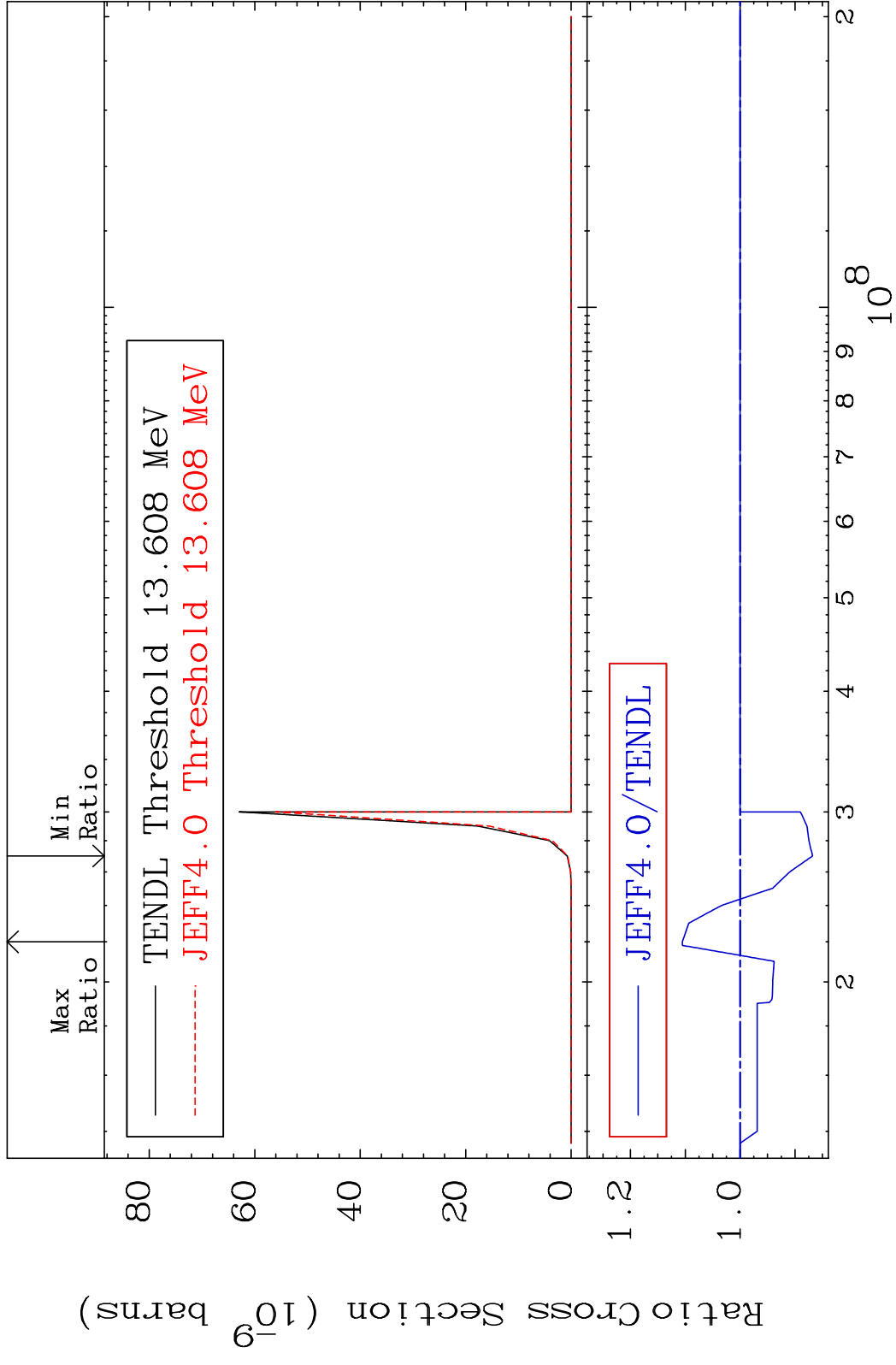


MAT 6049

(n,2p)

60-Nd-150

Cross Section -13.20 To 10.53 %

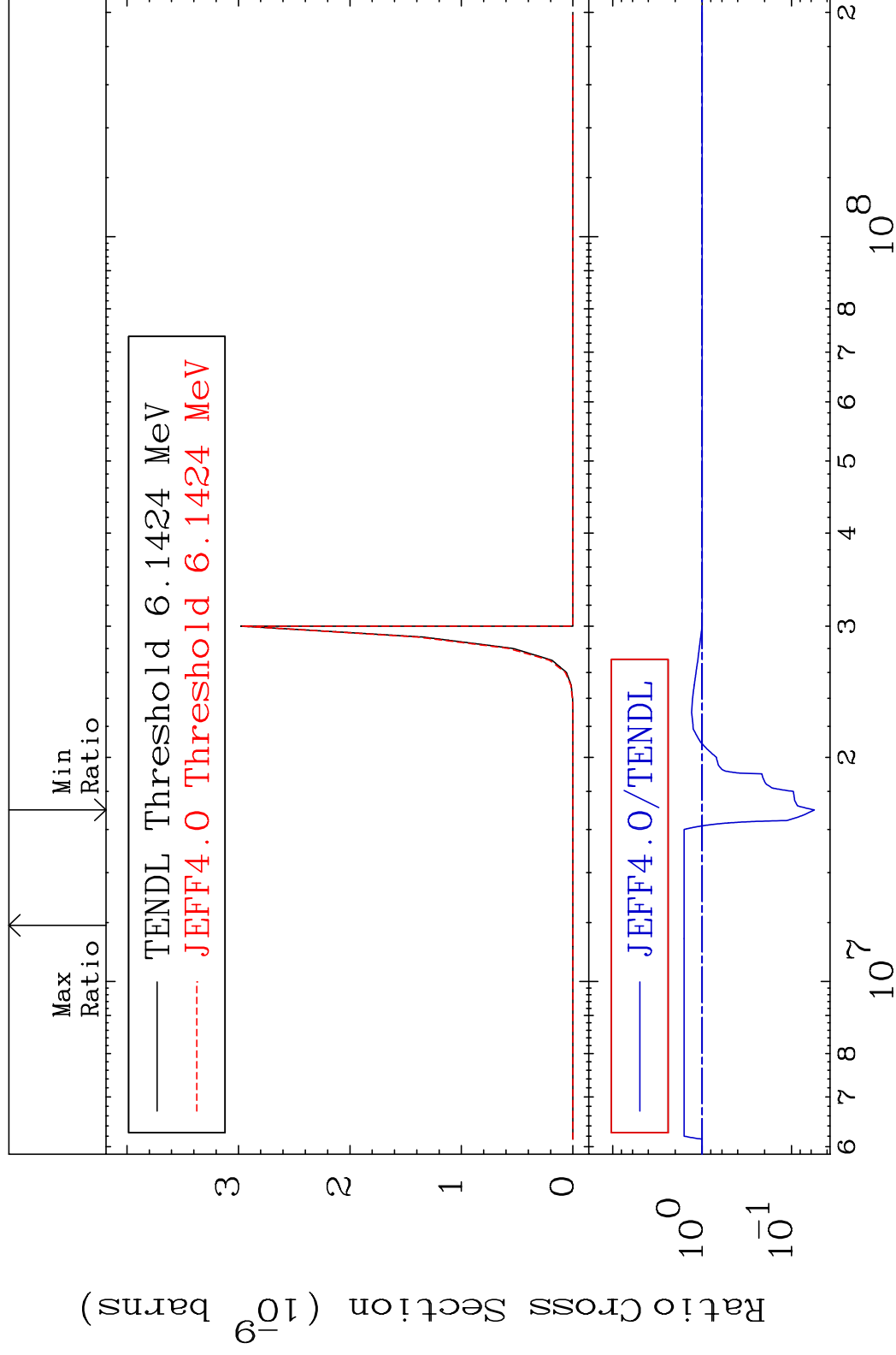


MAT 6049

(n,p) α

60-Nd-150

Cross Section -94.45 To 58.78 %



58

Incident Energy (eV)

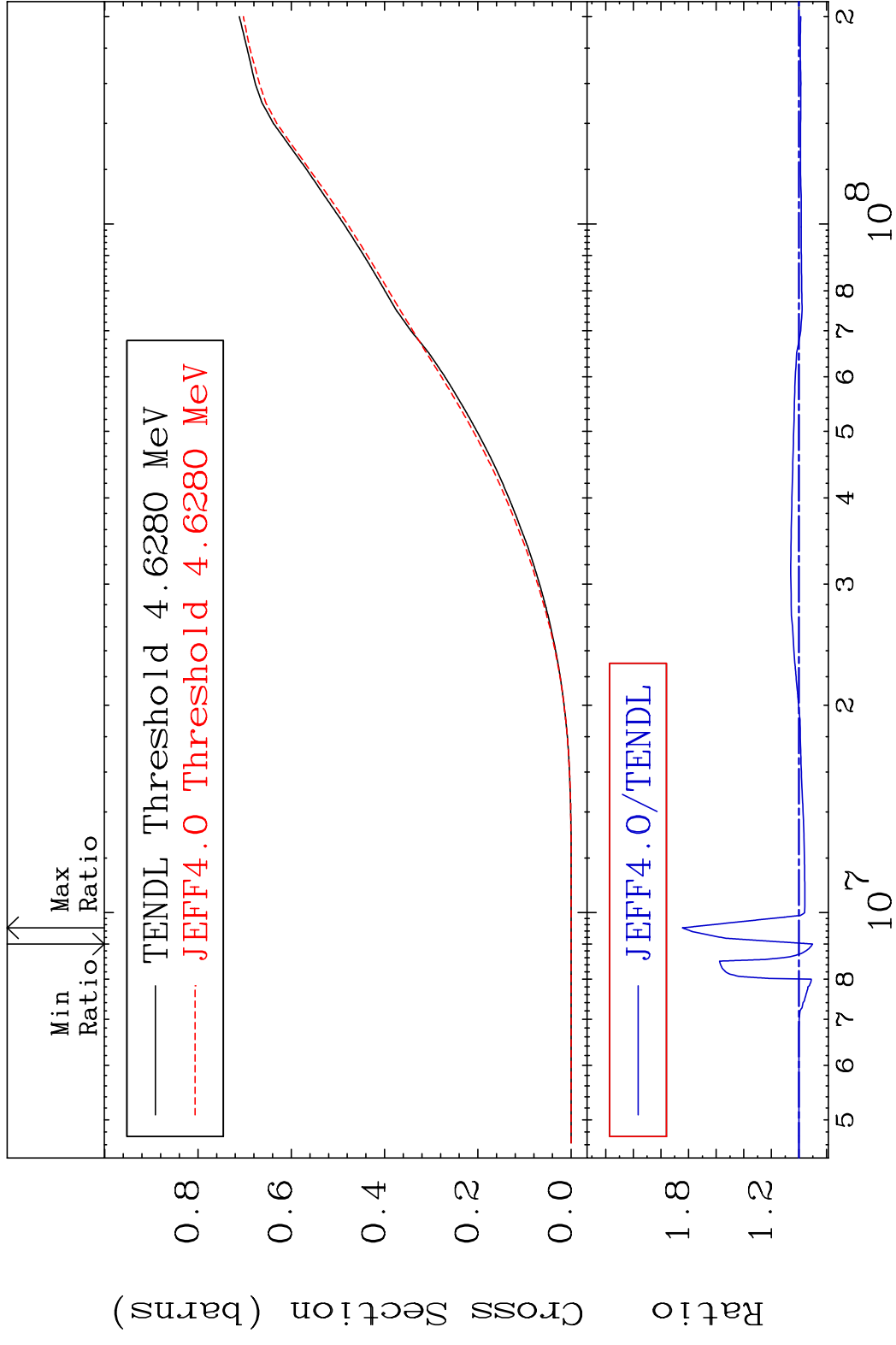
60-Nd-150

MAT 6049

Hydrogen Production

60-Nd-150

Cross Section -9.807 To 84.49 %



59

Incident Energy (eV)

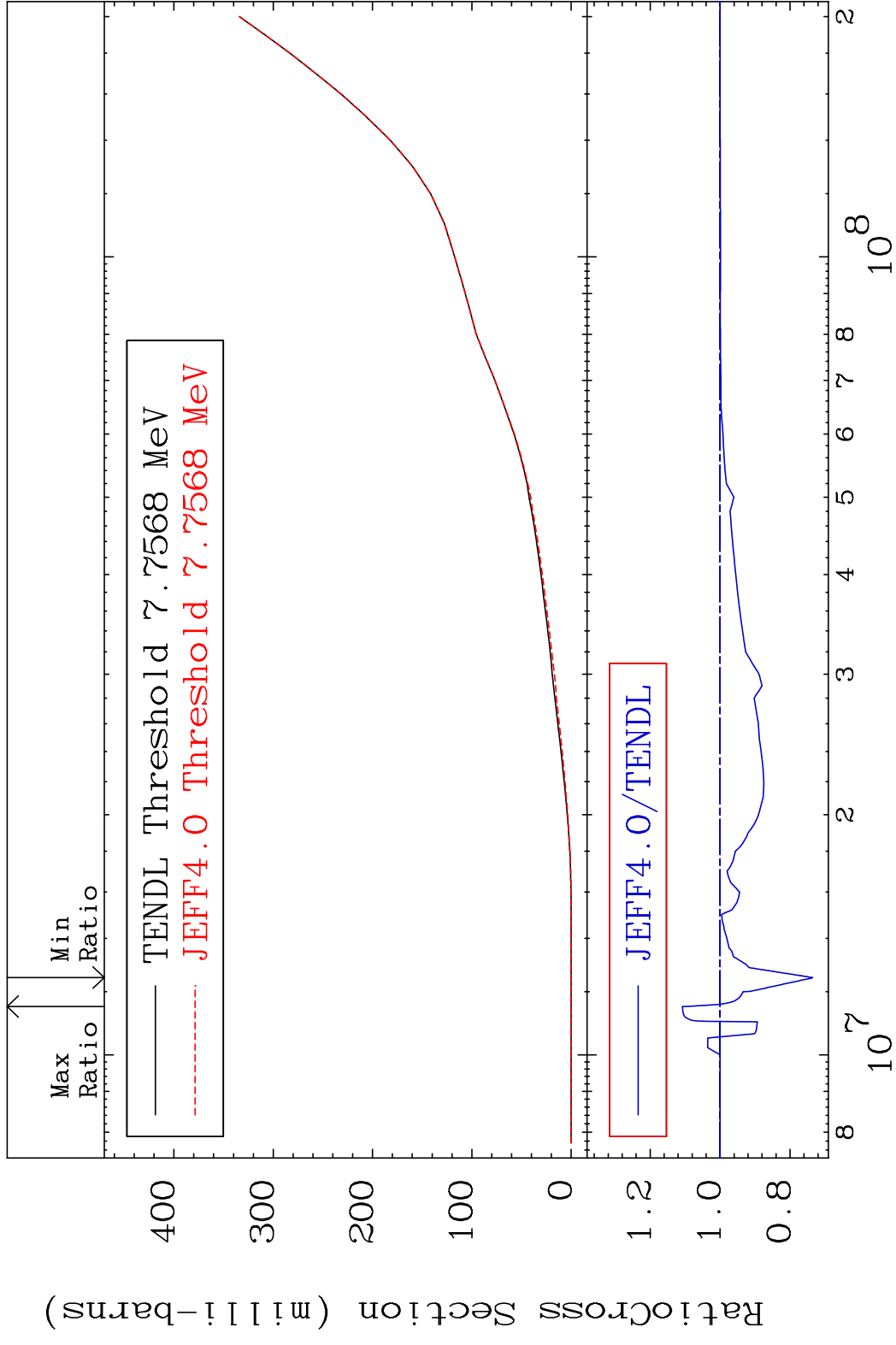
60-Nd-150

MAT 6049

Deuterium Production

60-Nd-150

Cross Section -26.45 To 10.79 %



60

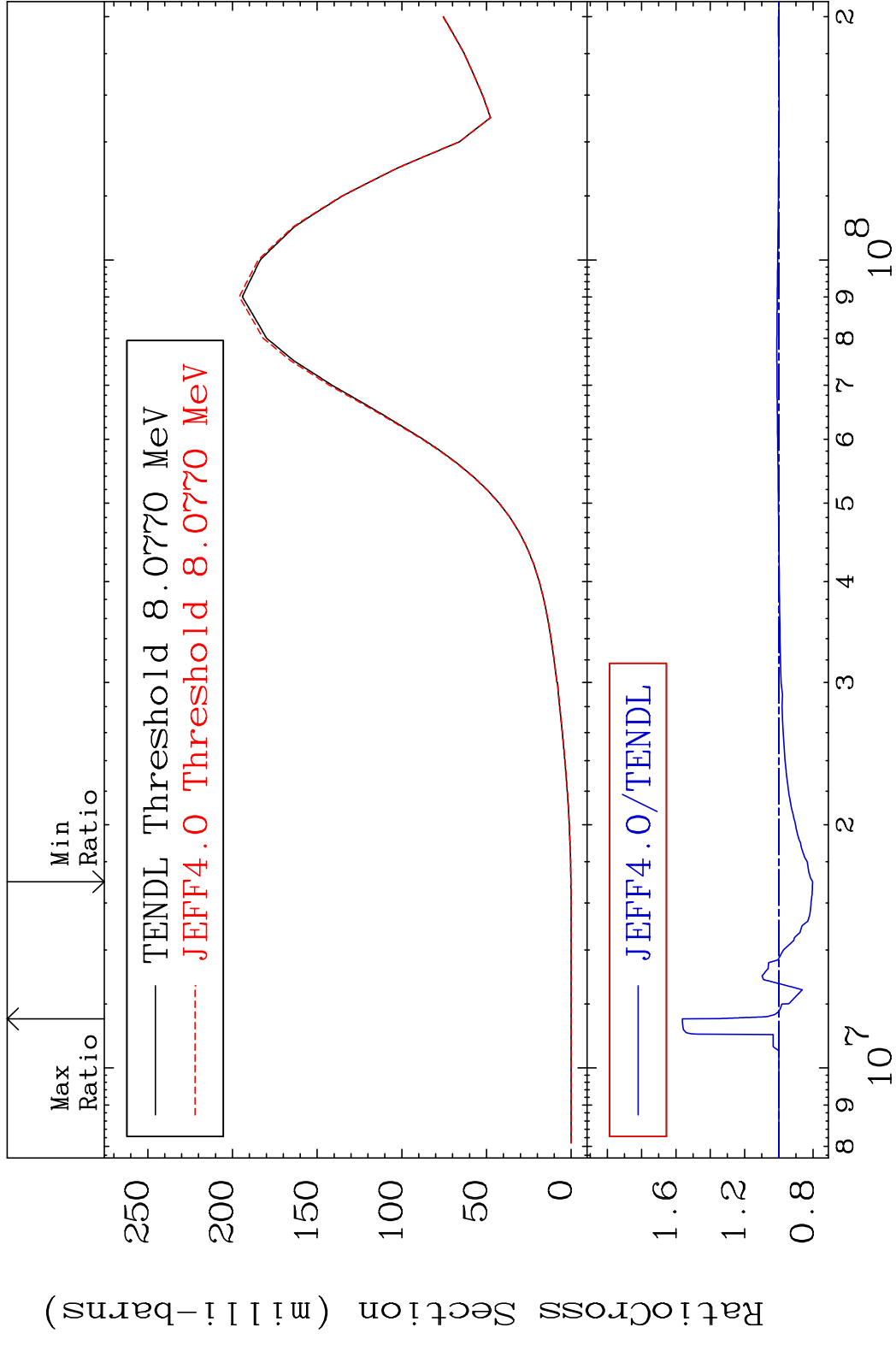
Incident Energy (eV)

60-Nd-150

MAT 6049

Tritium Production
Cross Section -19.65 To 56.25 %

60-Nd-150



61

Incident Energy (eV)

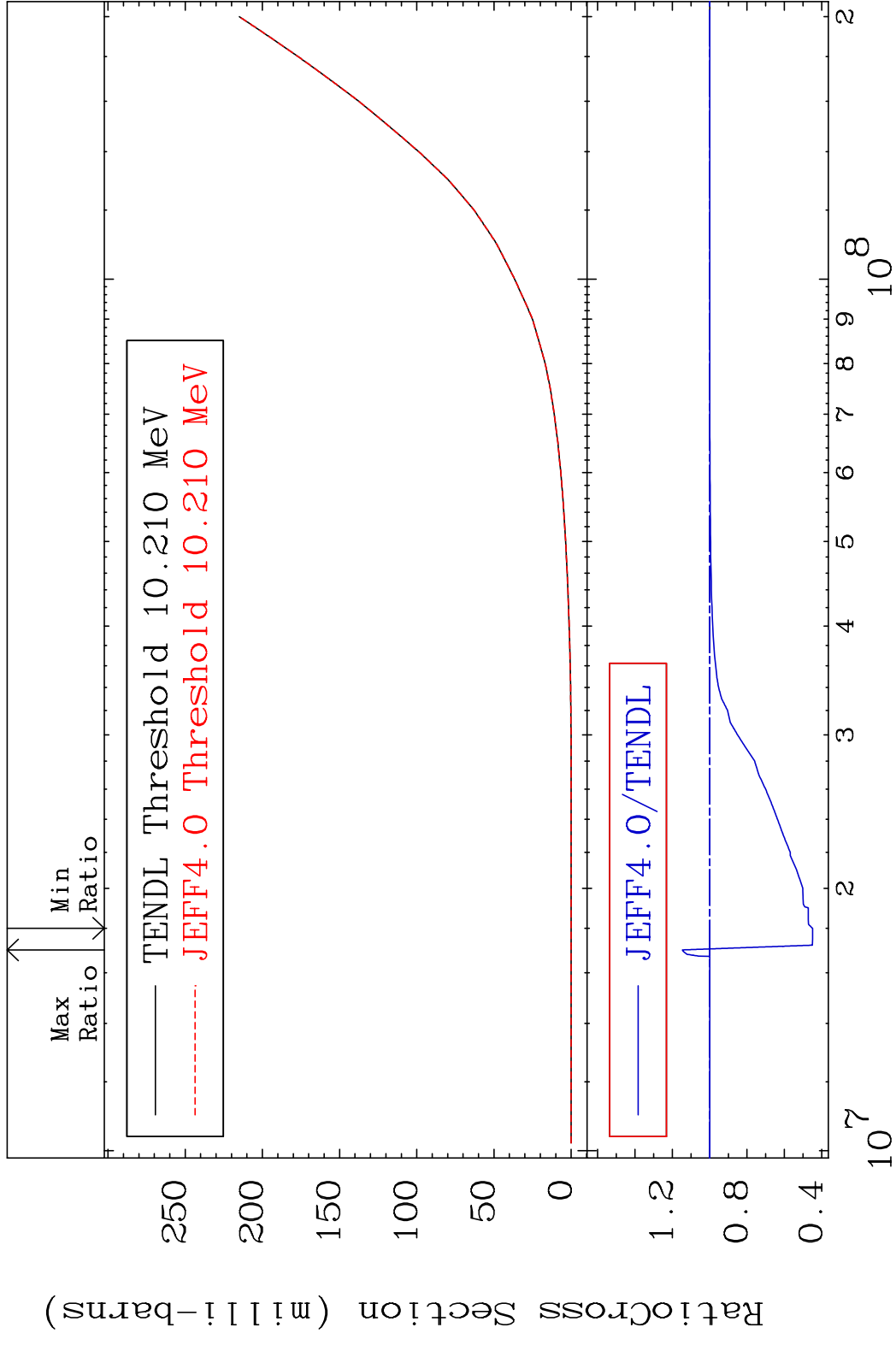
60-Nd-150

MAT 6049

He-3 Production

60-Nd-150

Cross Section -55.09 To 14.63 %



62

Incident Energy (eV)

60-Nd-150

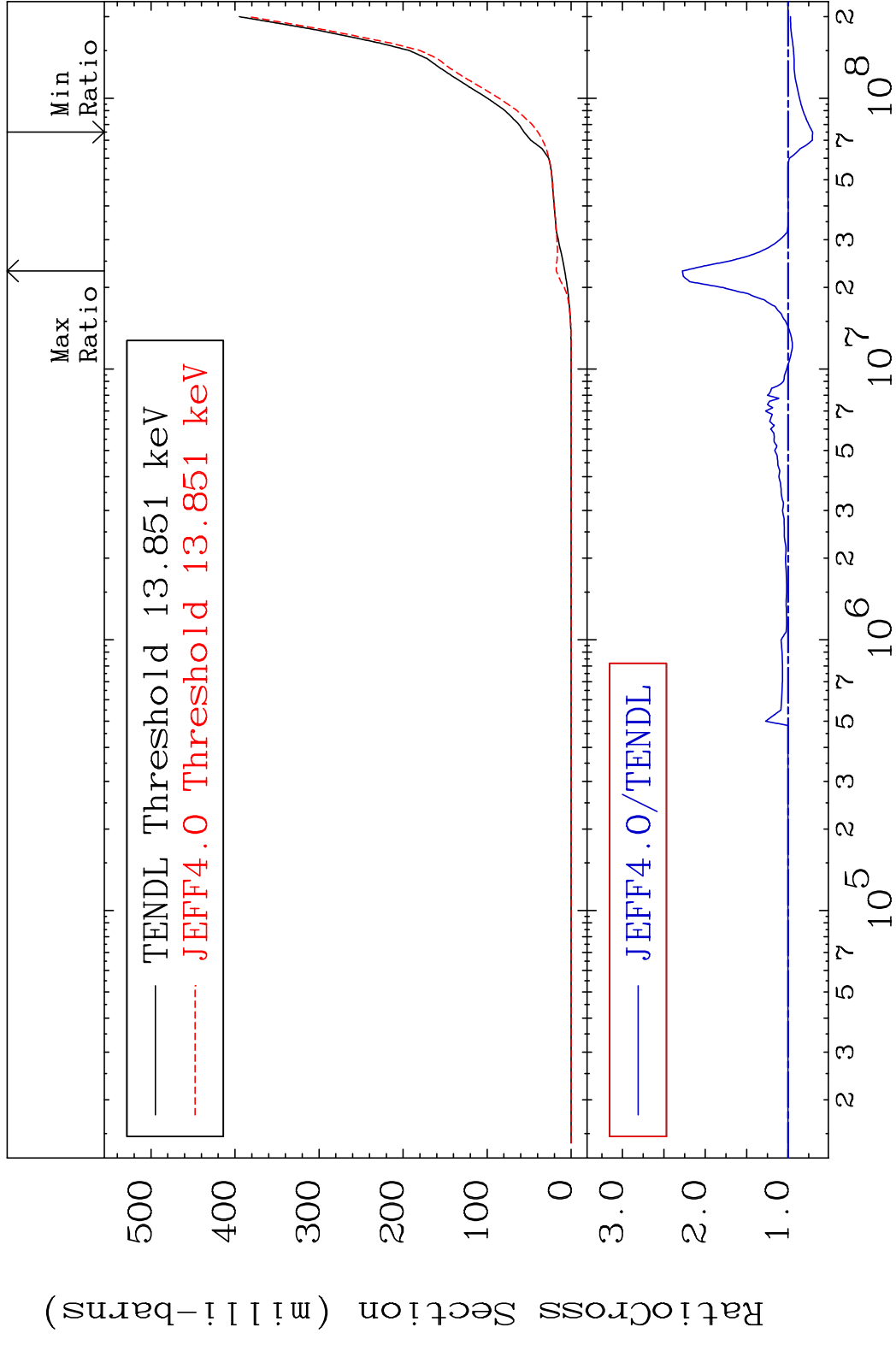
MAT 6049

He-4 Production

60-Nd-150

Cross Section

-29.55 To 127.7 %

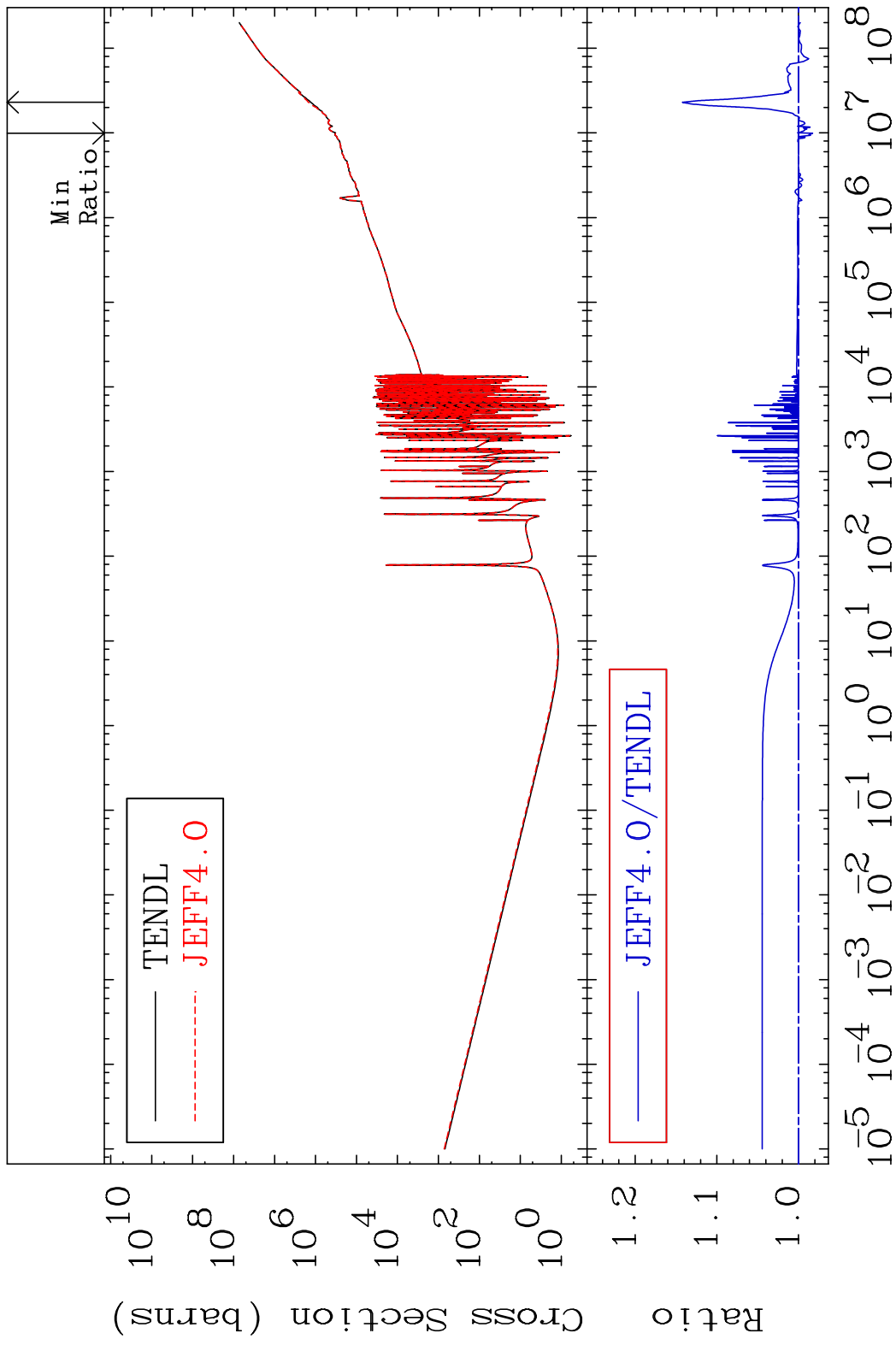


63

Incident Energy (eV)

60-Nd-150

MAT 6049 Kerma total (eV-barns) 60-Nd-150
 Cross Section -1.717 To 14.23 %

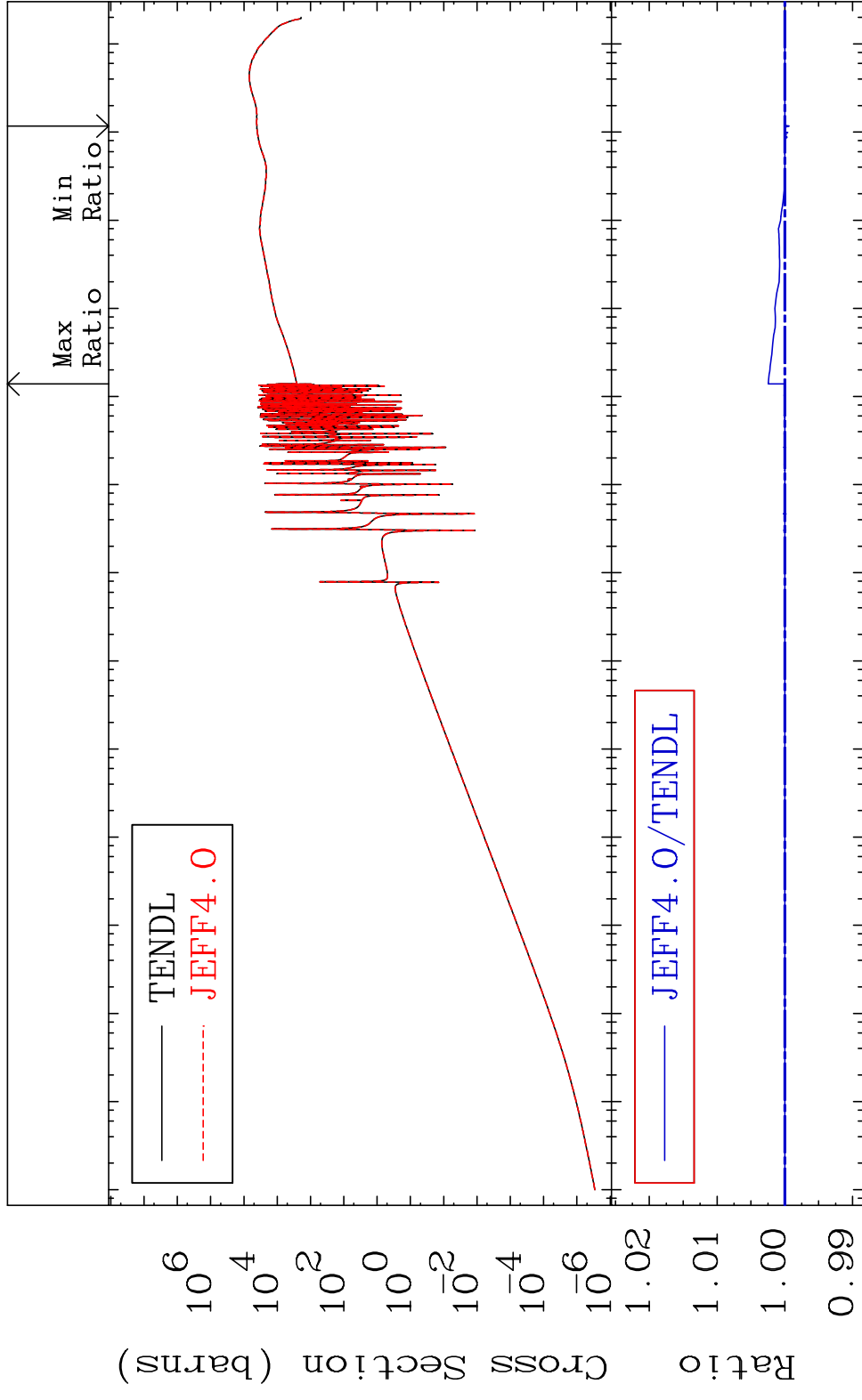


64 Incident Energy (eV) 60-Nd-150

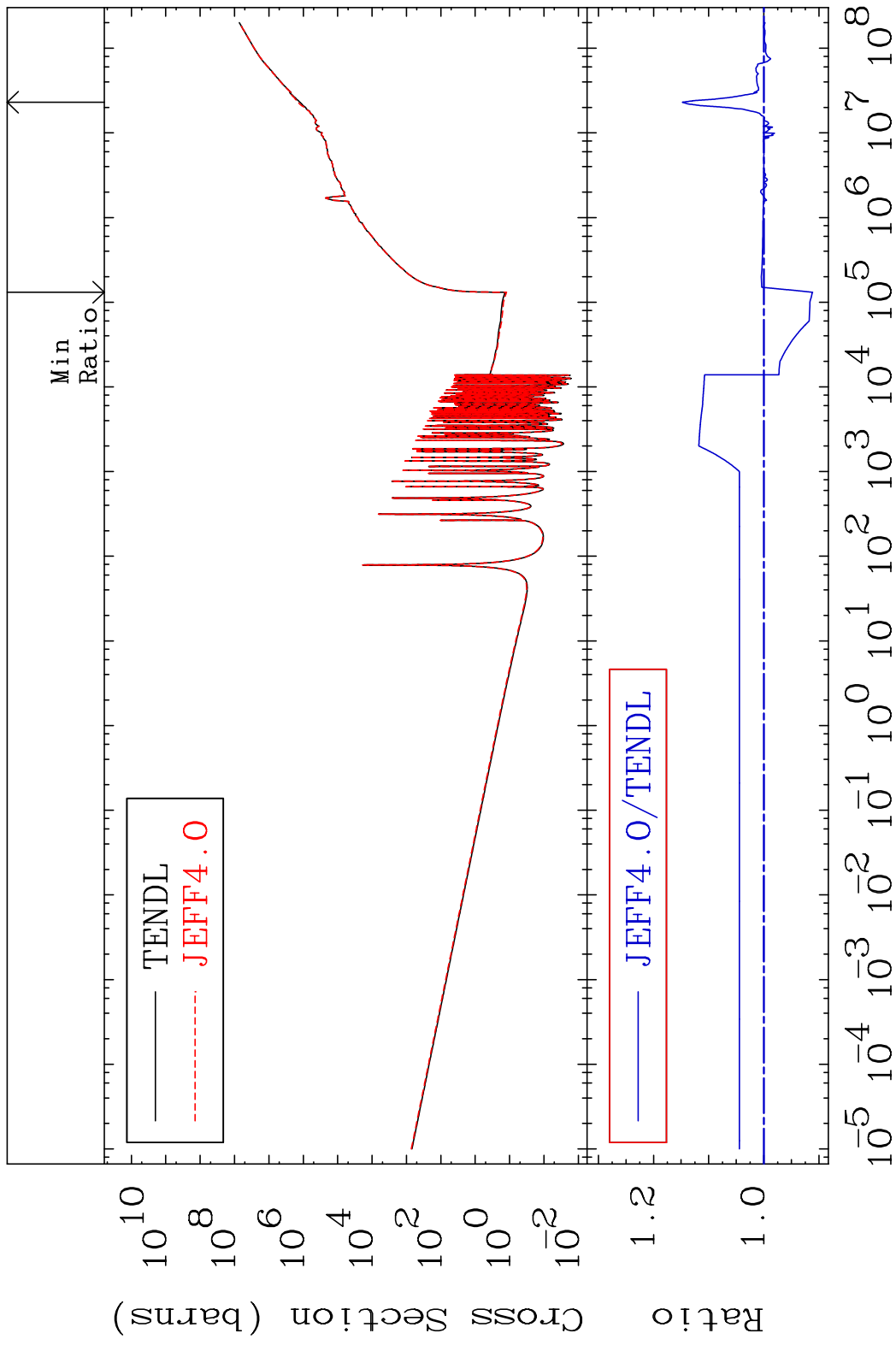
MAT 6049

Kerma elastic
Cross Section

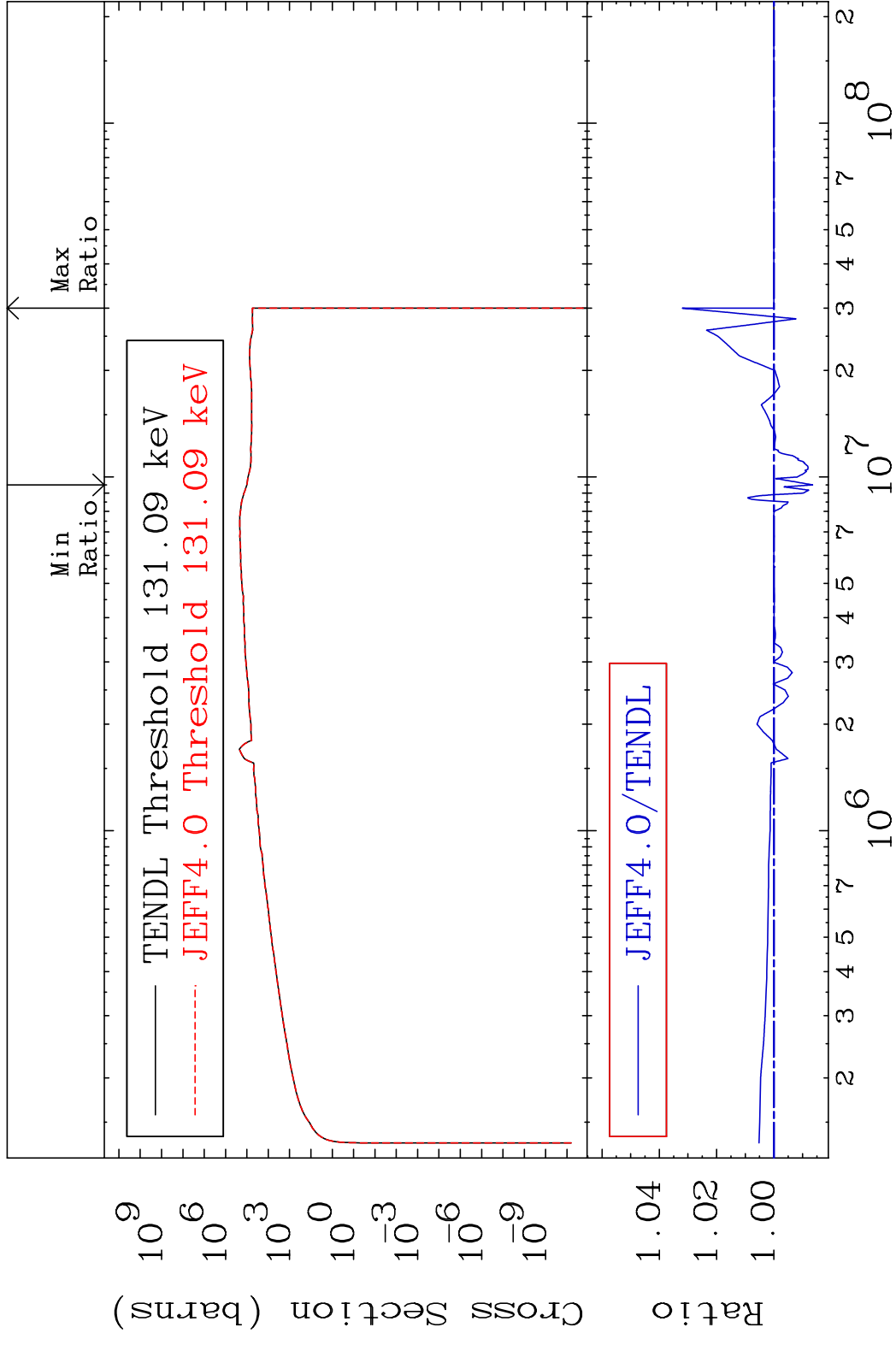
60-Nd-150
-0.059 To 0.245 %



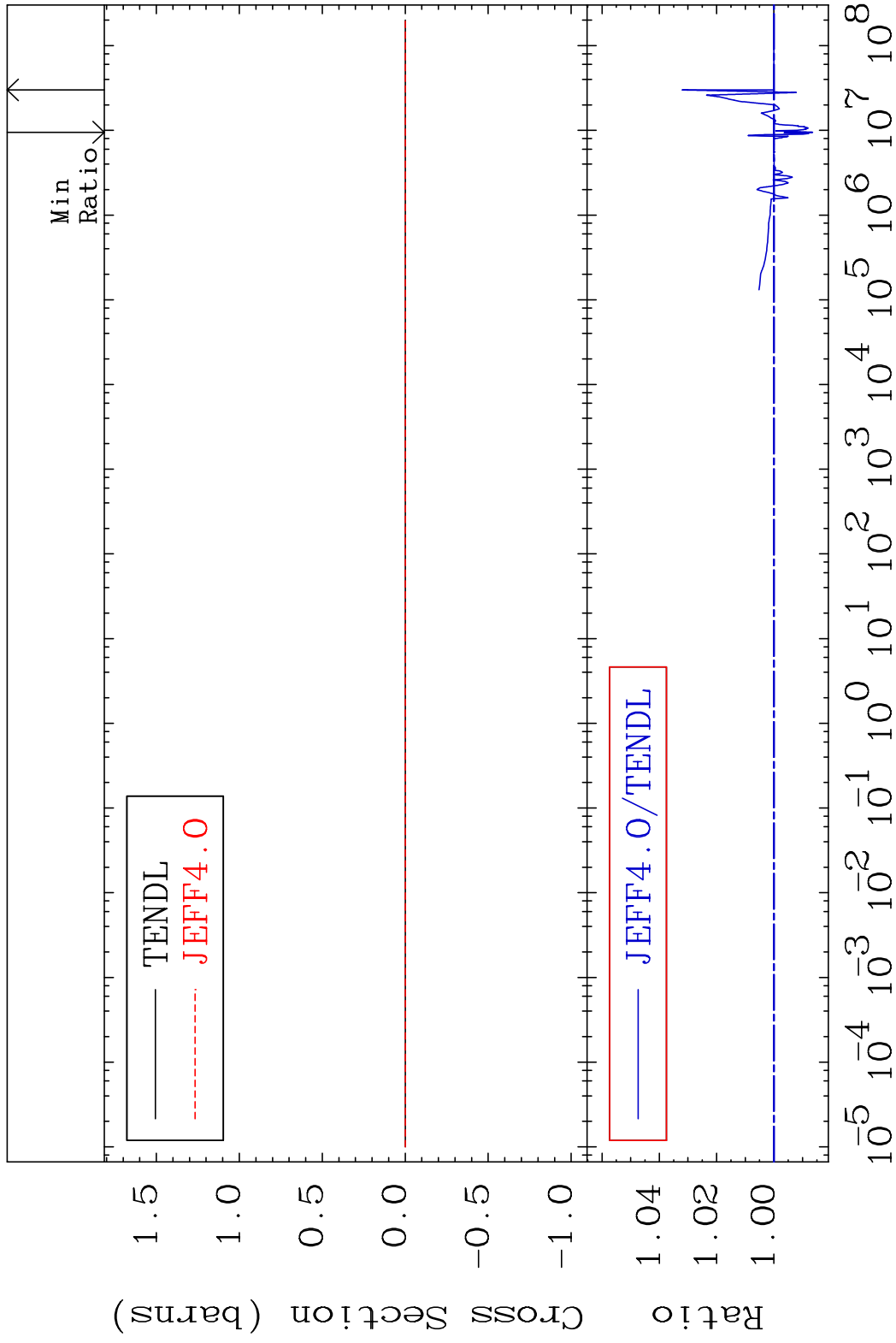
MAT 6049 Kerma non-elastic (all but mt2) 60-Nd-150
 Cross Section -8.824 To 14.78 %



MAT 6049 Kerma inelastic (mt51-91) 60-Nd-150
 Cross Section -1.349 To 3.196 %

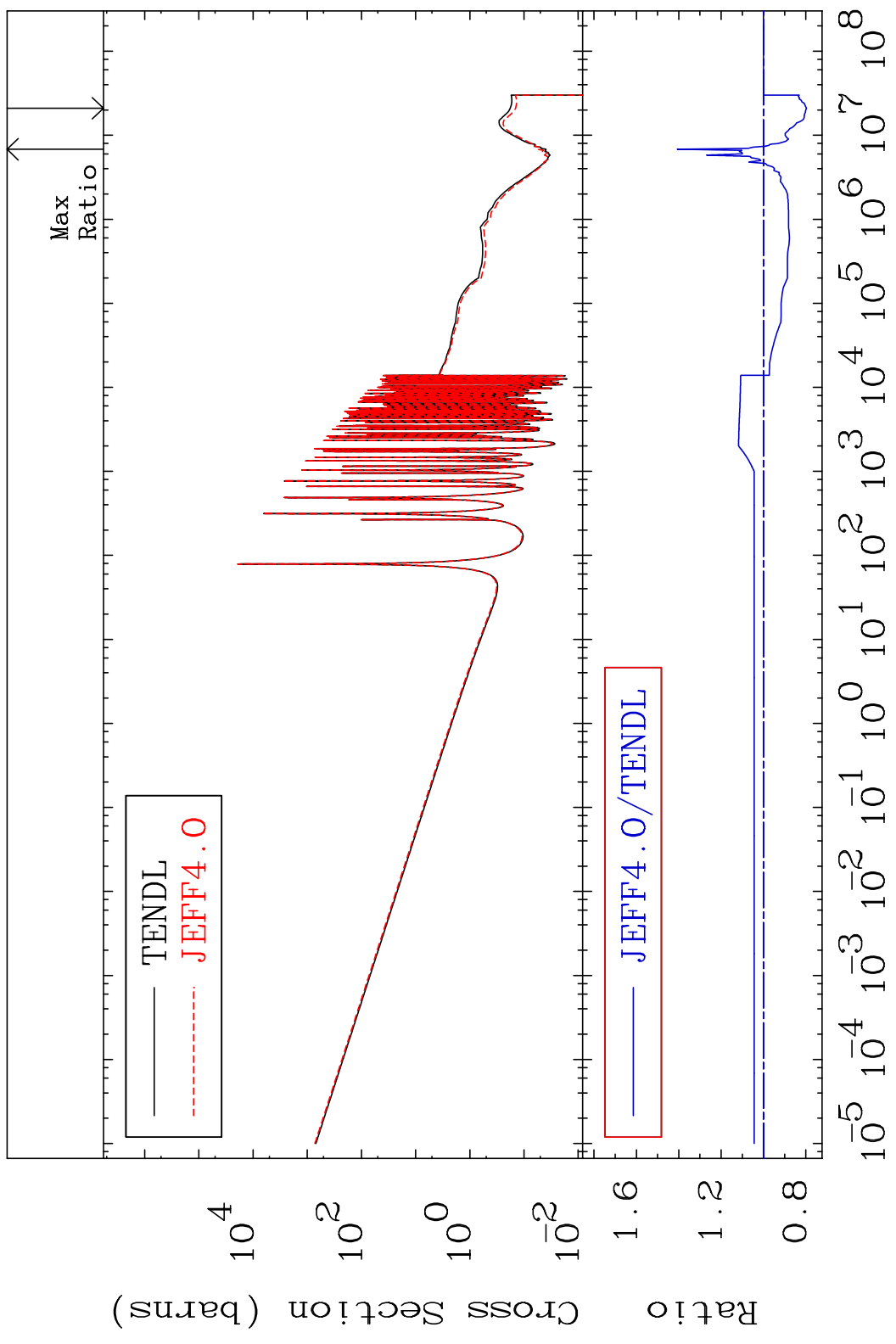


MAT 6049 Kerma fission (mt18 or mt19-20-21-38) ⁶⁰Nd-150
 Cross Section -1.349 To 3.196 %



MAT 6049

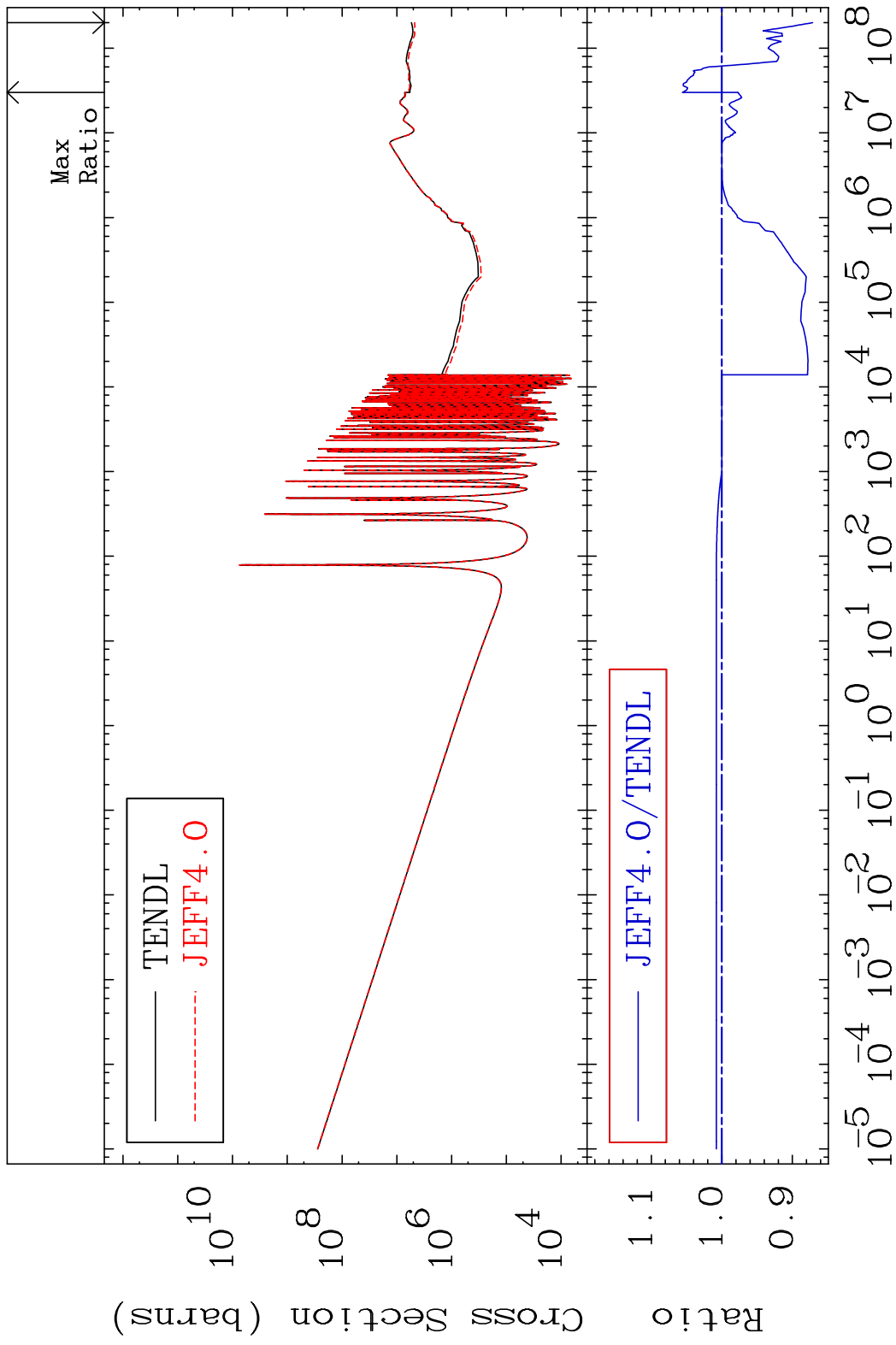
Kerma capture (mt102) 60-Nd-150
Cross Section -20.25 To 40.74 %



69

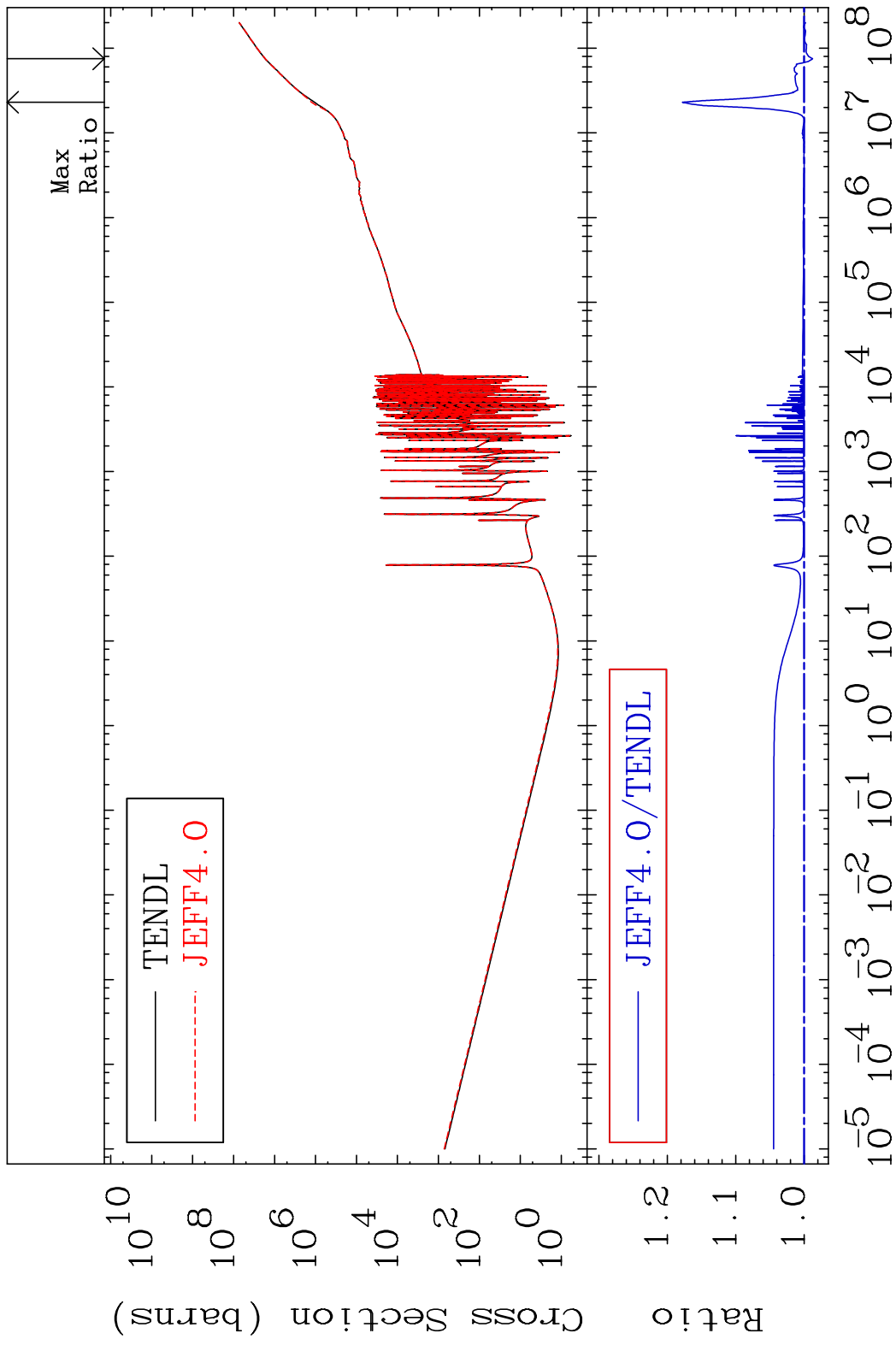
Incident Energy (eV) 60-Nd-150

MAT 6049 Total photon (eV-barns) 60-Nd-150
Cross Section -12.86 To 5.596 %



70 Incident Energy (eV) 60-Nd-150

MAT 6049 Total kinematic kerma (high limit) 60-Nd-150
 Cross Section -1.242 To 17.80 %

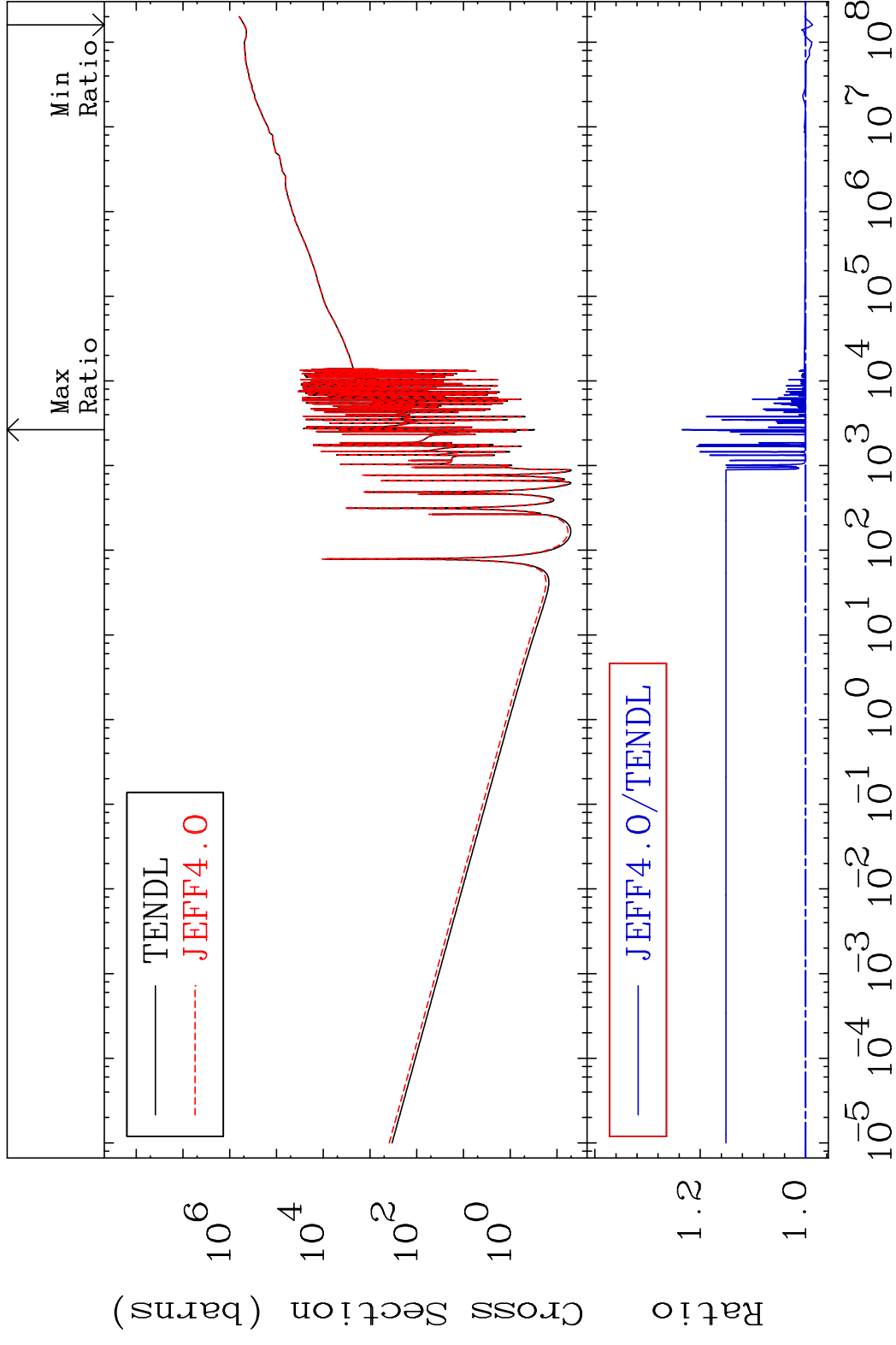


MAT 6049

Dpa total (eV-barns)

60-Nd-150

Cross Section -1.316 To 23.39 %



72

Incident Energy (eV)

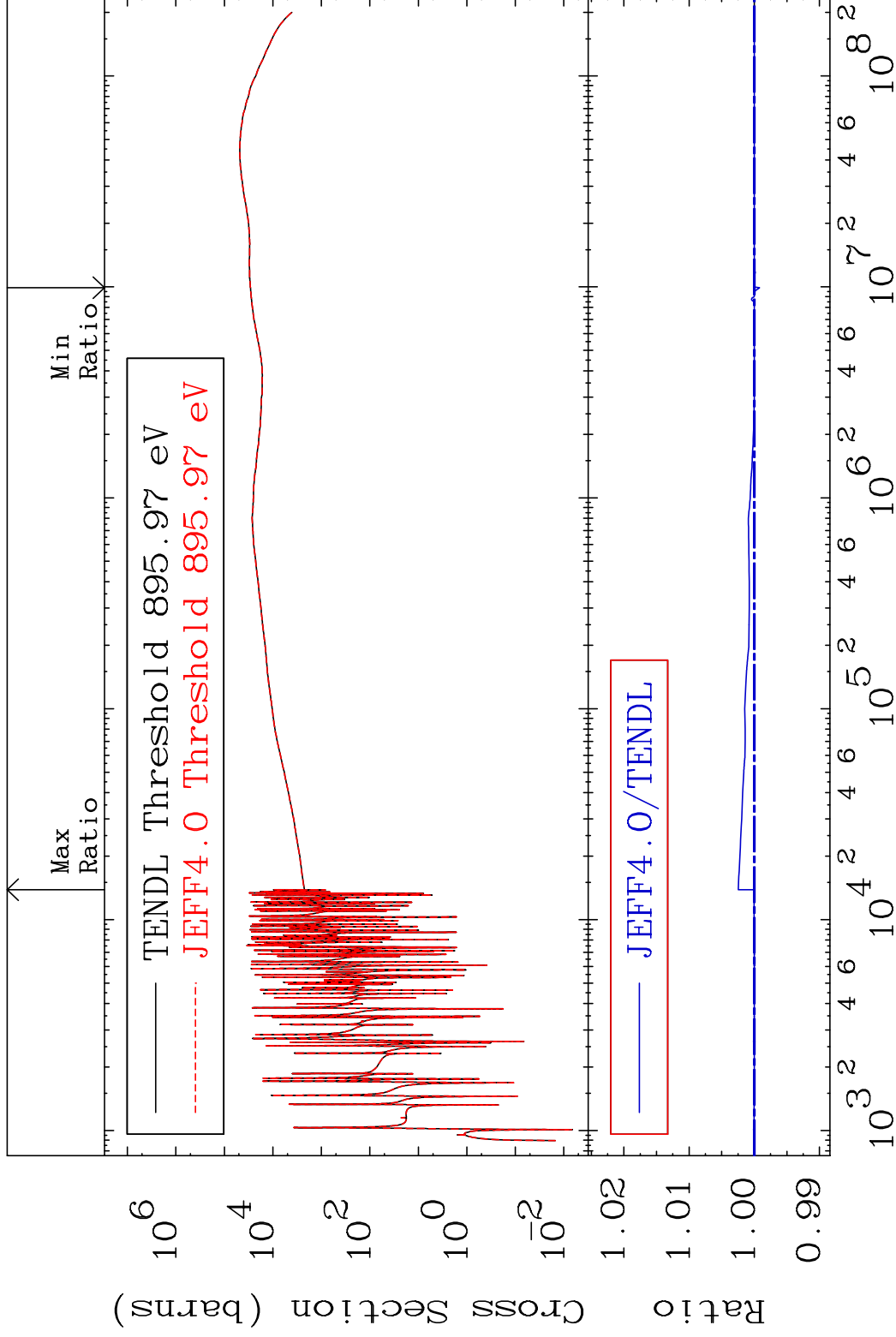
60-Nd-150

MAT 6049

Dpa elastic (mt2)

60-Nd-150

Cross Section -0.079 To 0.245 %

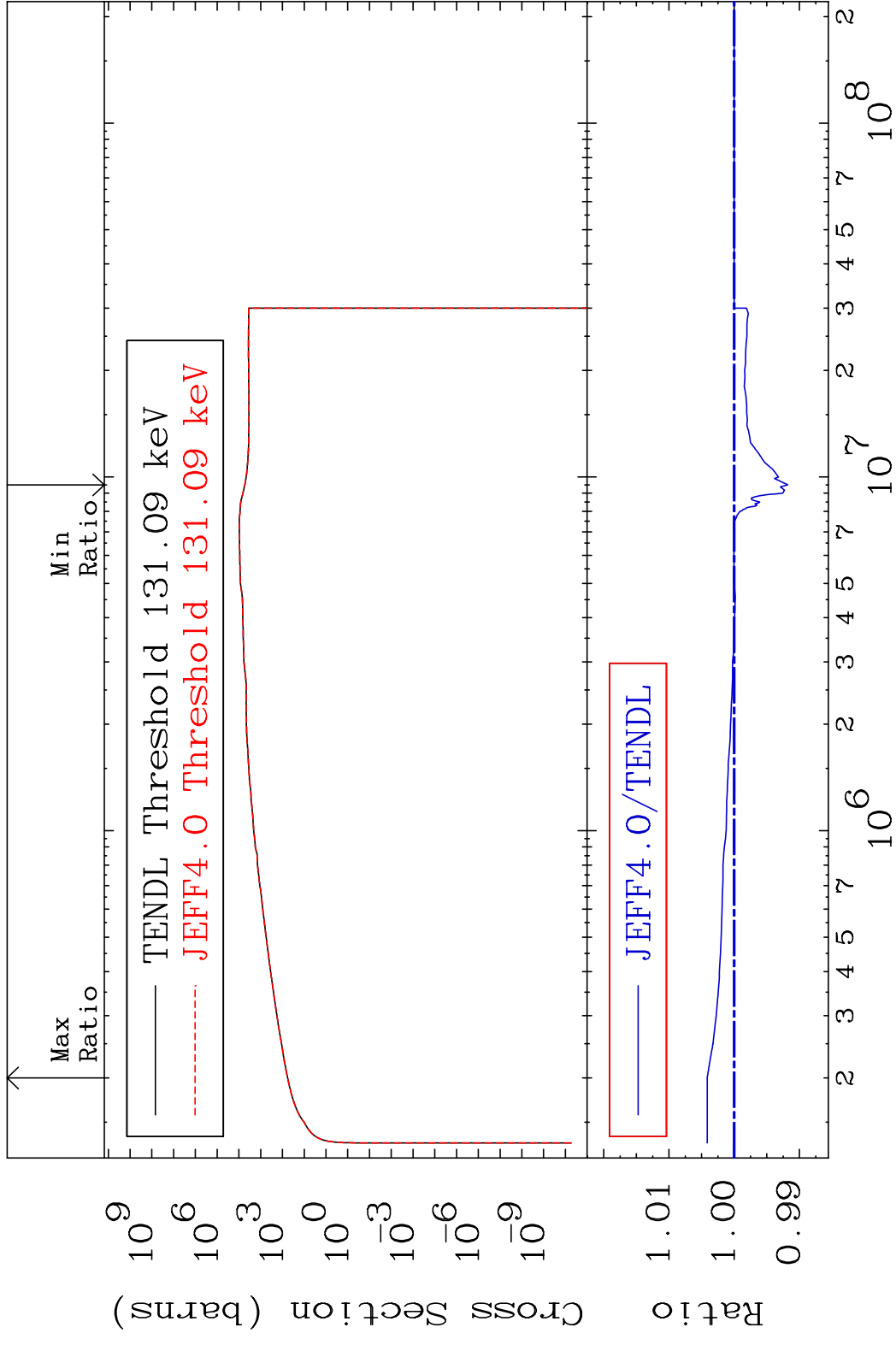


73

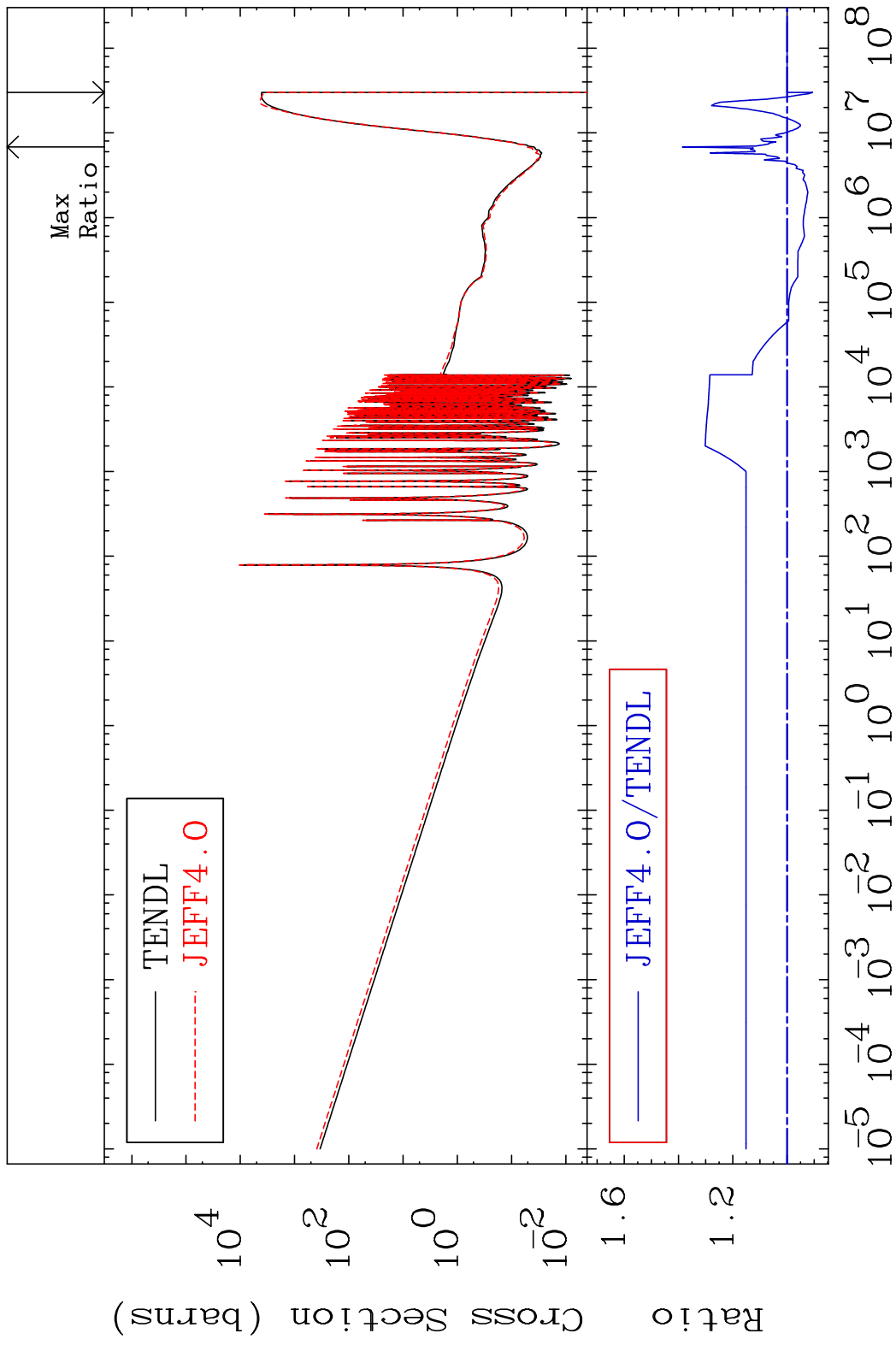
Incident Energy (eV)

60-Nd-150

MAT 6049 Dpa inelastic (mt51-91) 60-Nd-150
 Cross Section -0.821 To 0.415 %

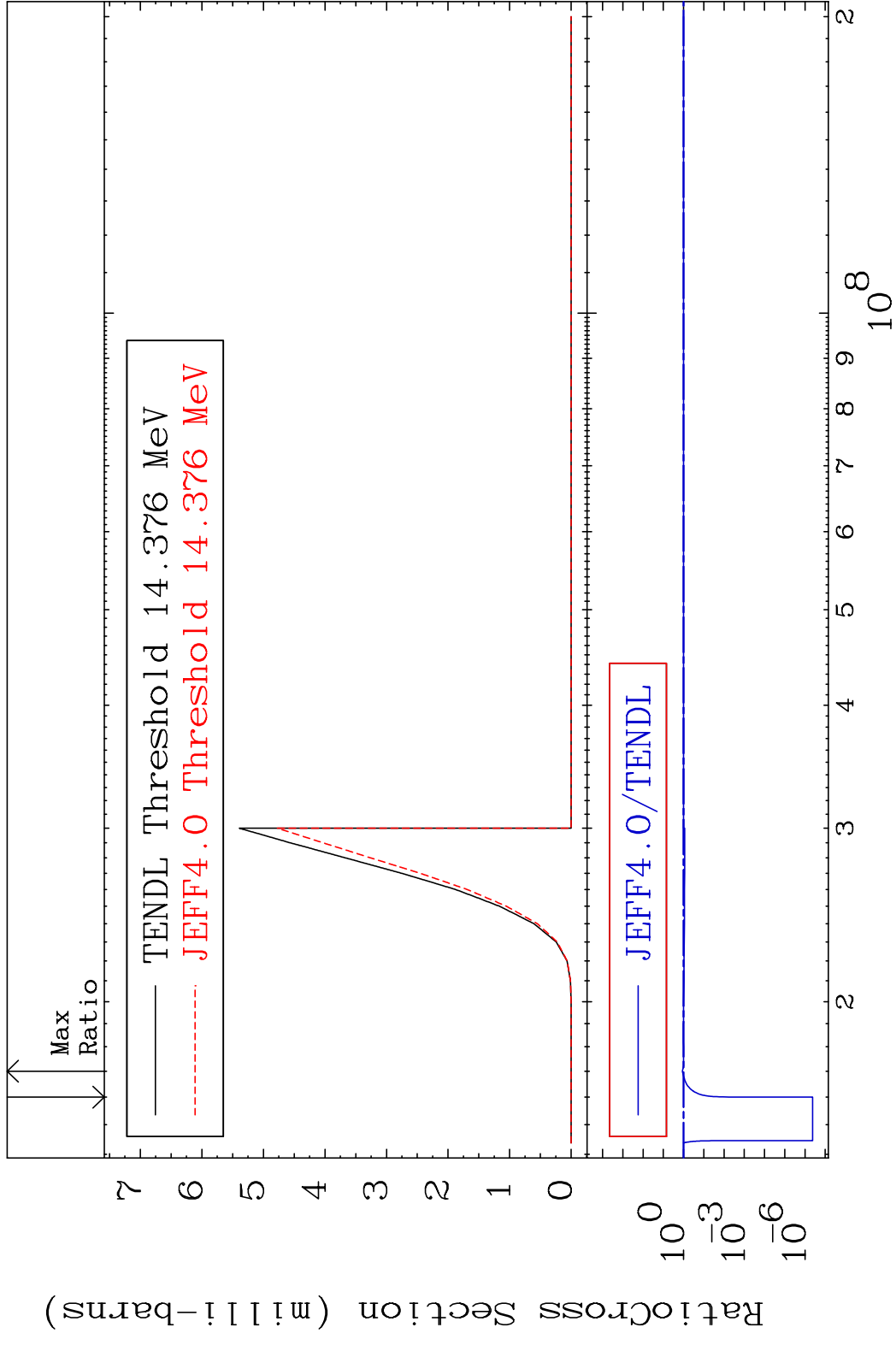


MAT 6049 Dpa disappearance (mt102 -120) 60-Nd-150
 Cross Section -9.411 To 38.58 %

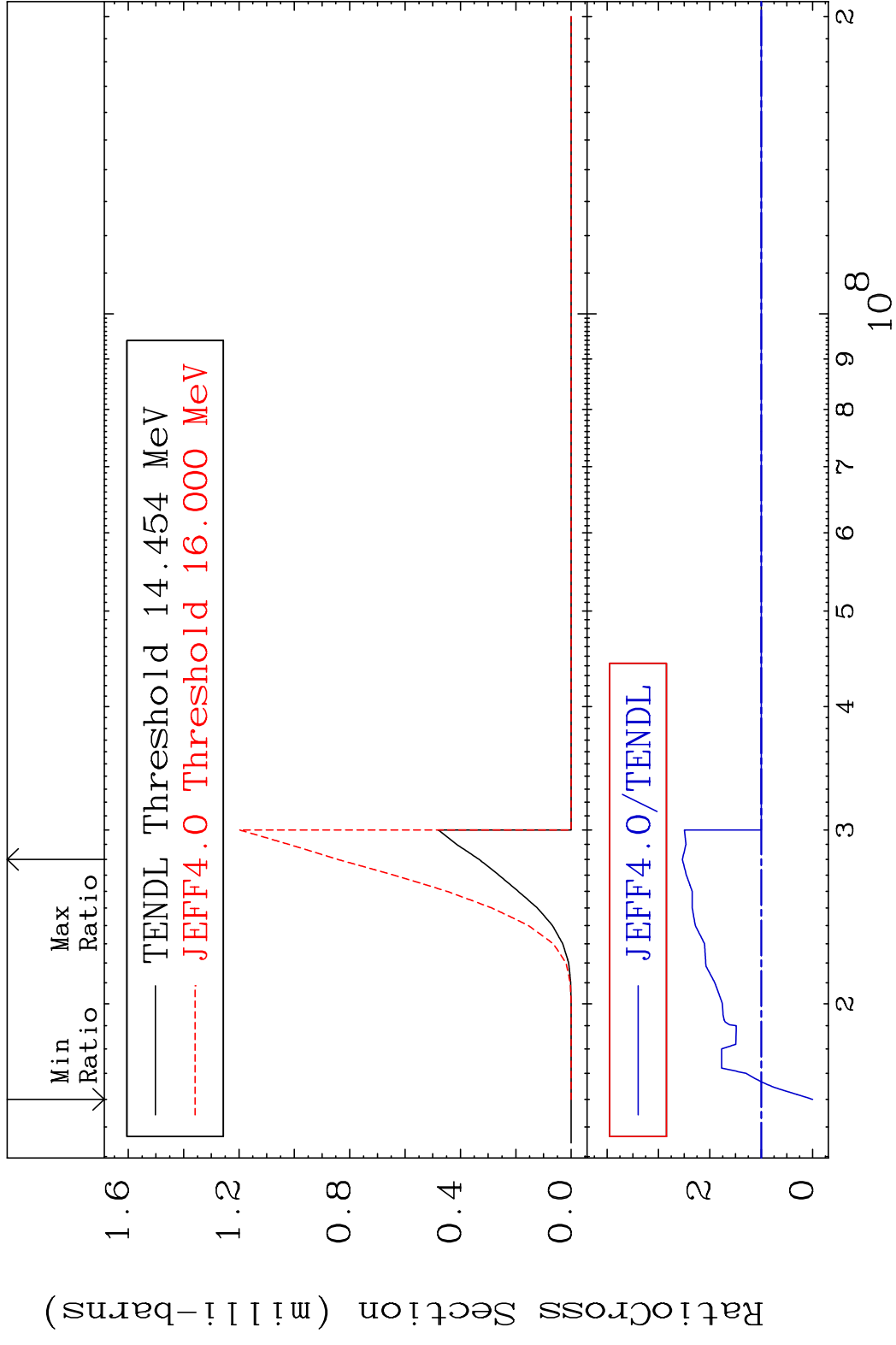


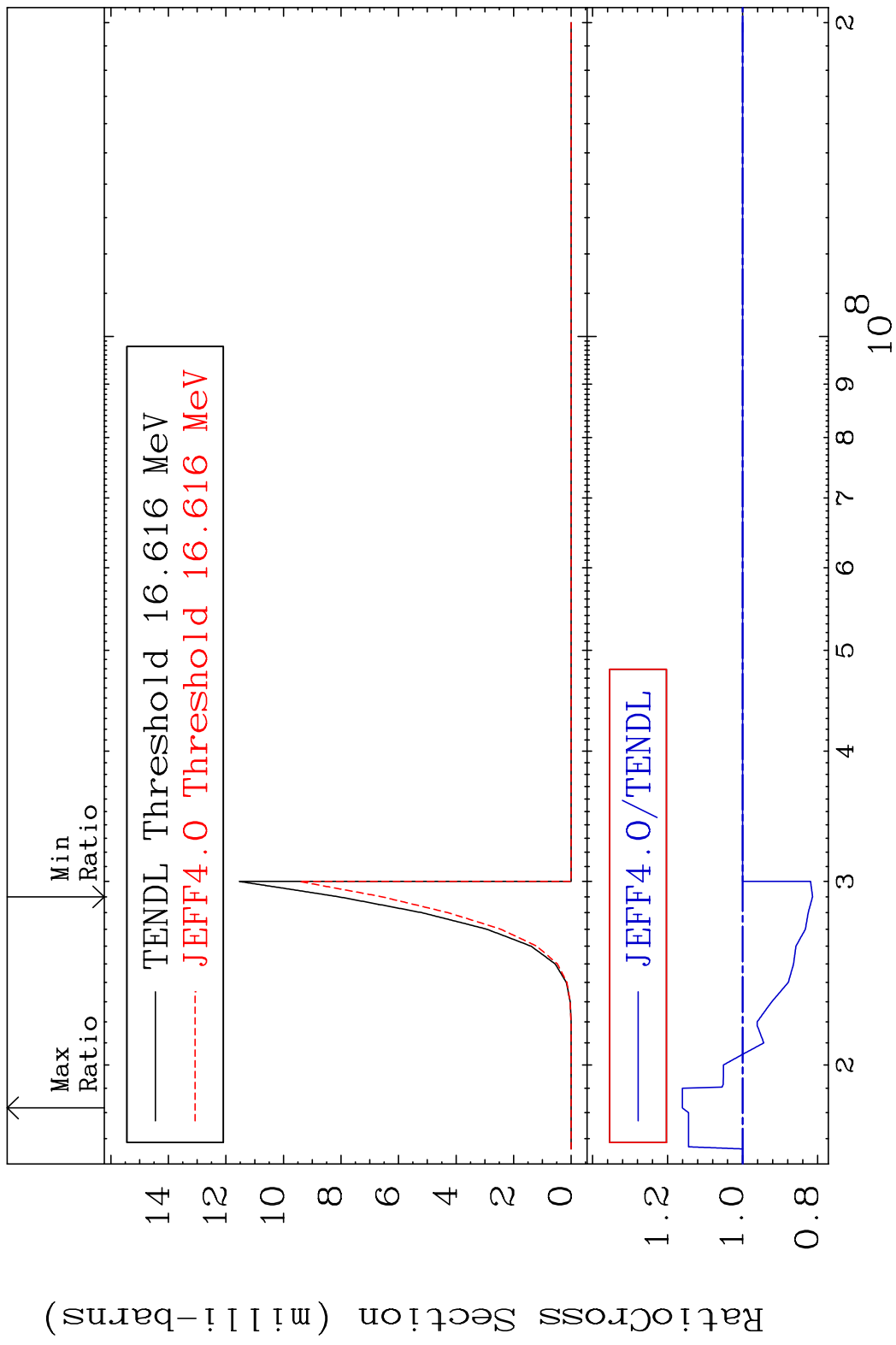
75 Incident Energy (eV) 60-Nd-150

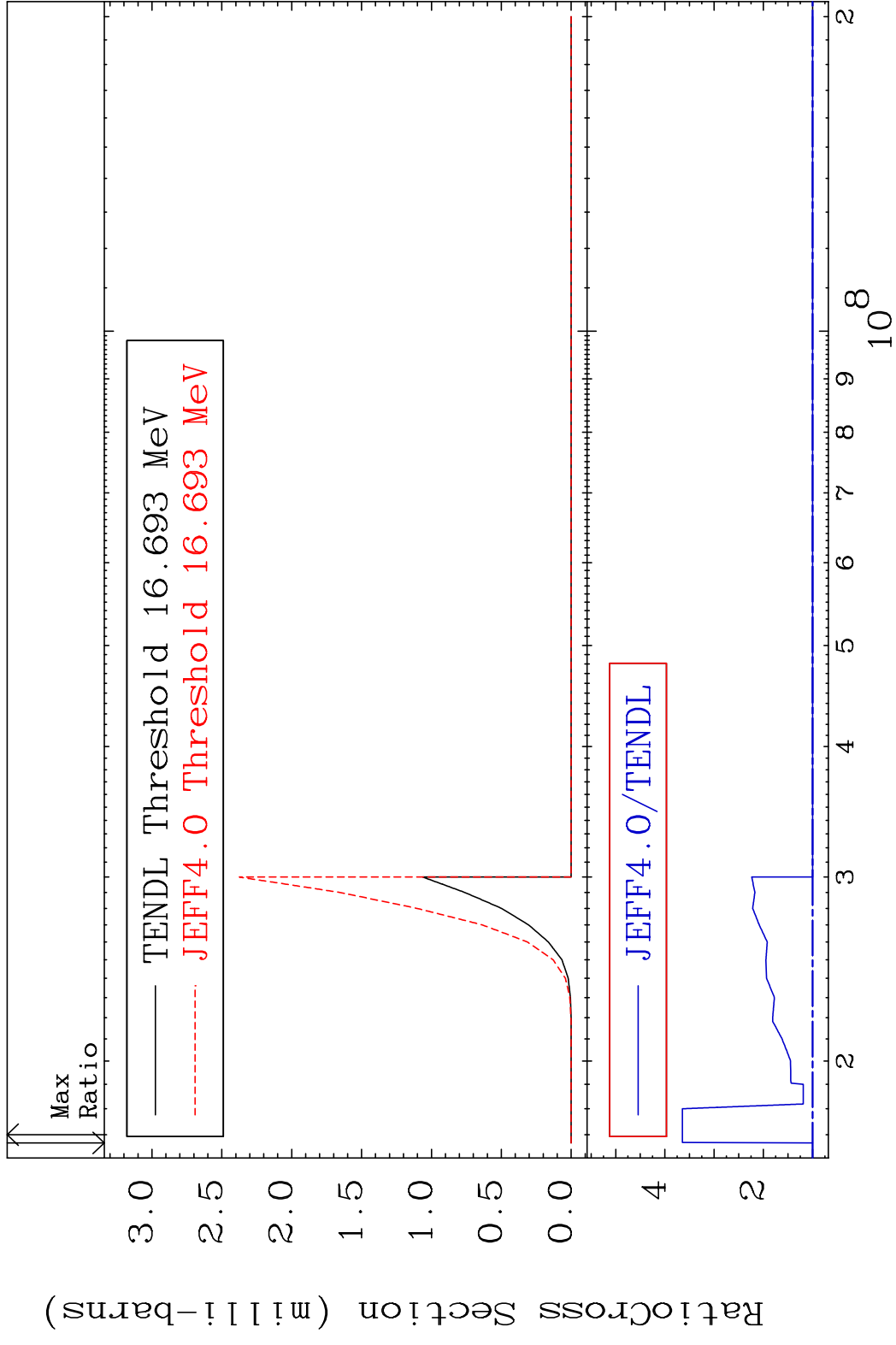
MAT 6049 (n, n') d:59-Pr-148g 60-Nd-150
 Radionuclide Production Cross Section 1800 d to 1800 d to 14.57 %



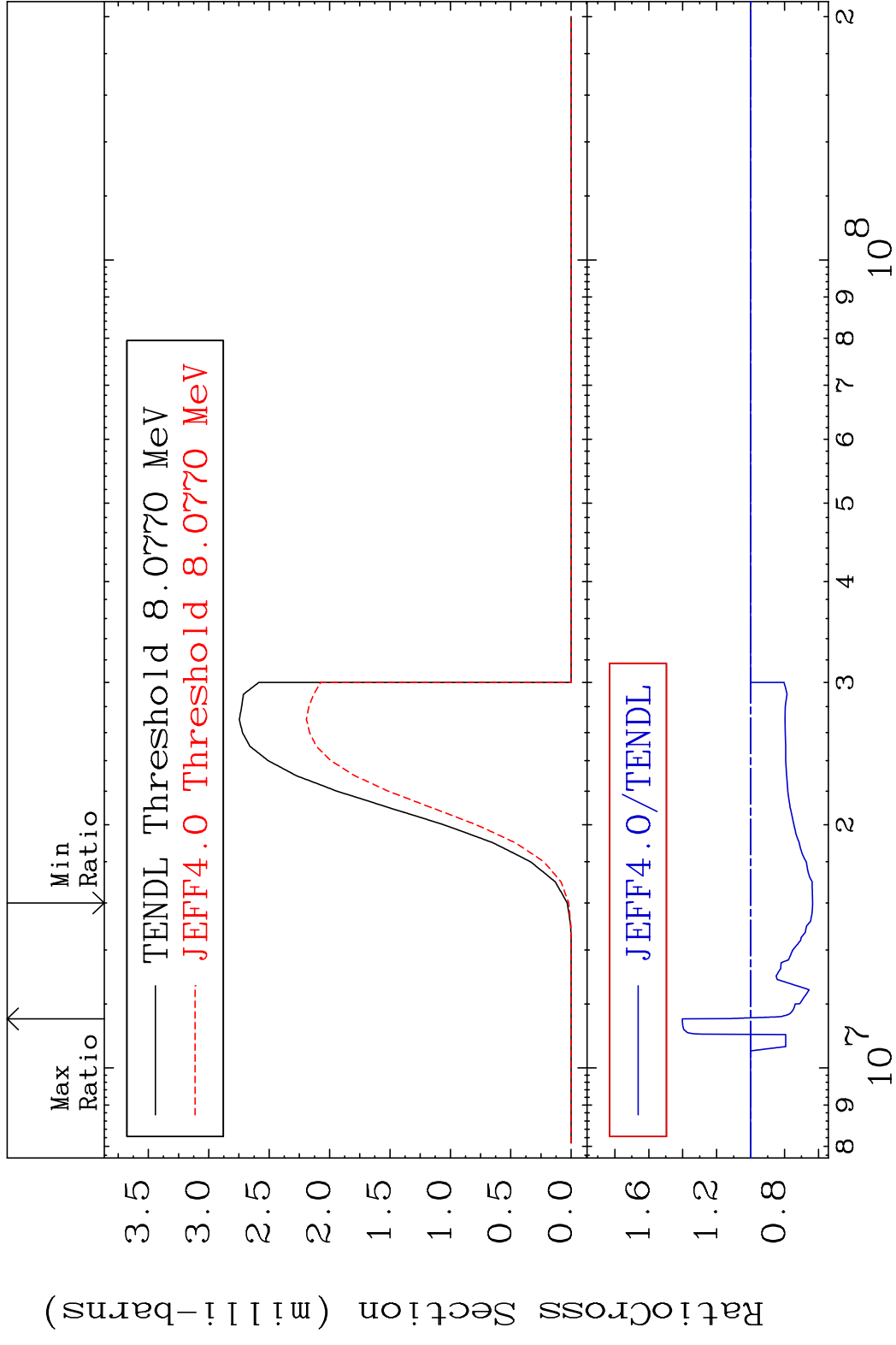
MAT 6049 (n, n') d:59-Pr-148m1 60-Nd-150
 Radionuclide Production Cross Section 153.5 %







MAT 6049 (n, t):59-Pr-148g 60-Nd-150
 Radionuclide Production Cross Section 40.21 %



80 80-Nd-150

MAT 6049 (n, t):59-Pr-148m1 60-Nd-150
 Radionuclide Production Cross-Section to 5359. %

