

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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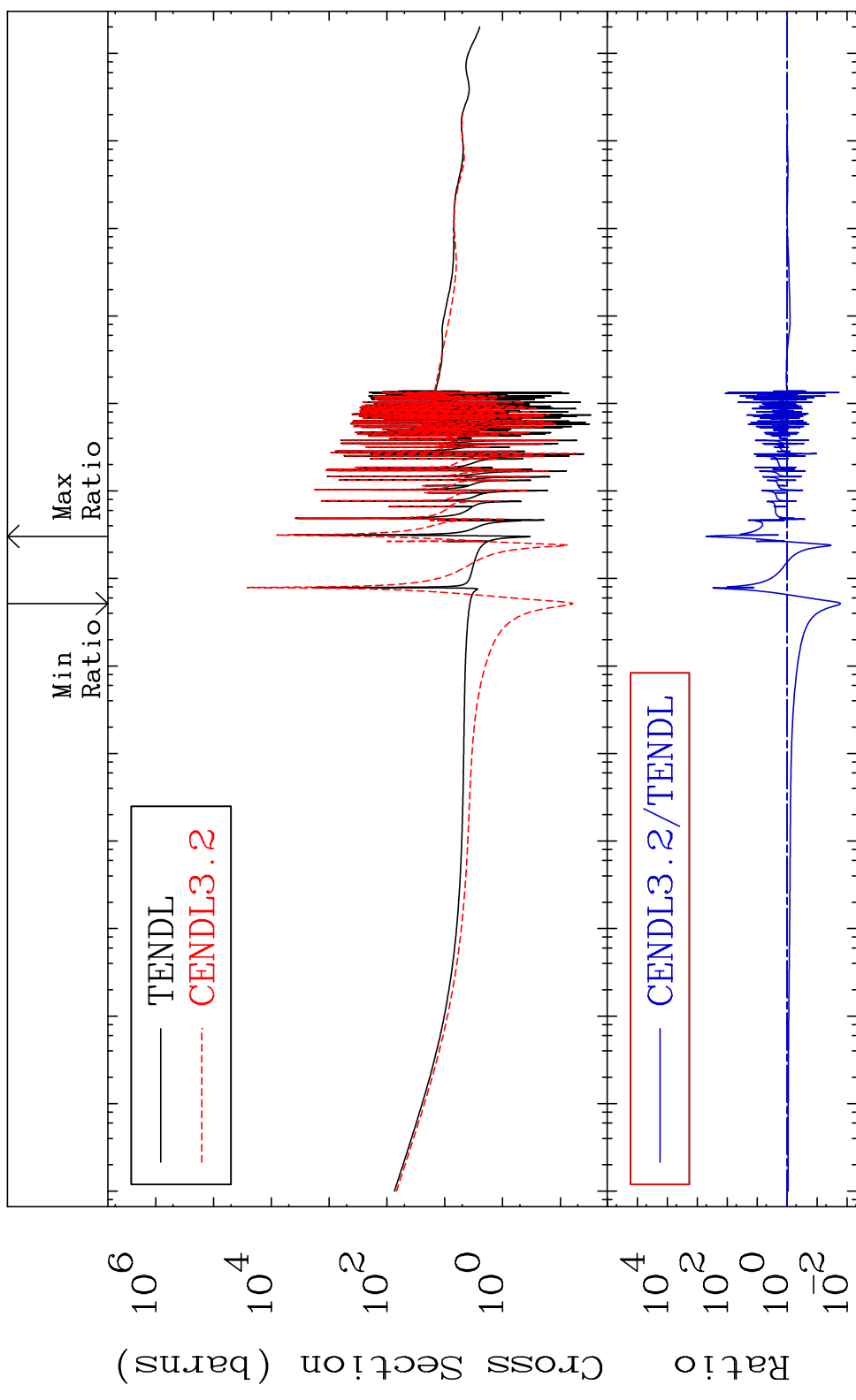
Press Mouse Button to Start

MAT 6049

Total

60-Nd-150

Cross Section -98.34 To 9999. %

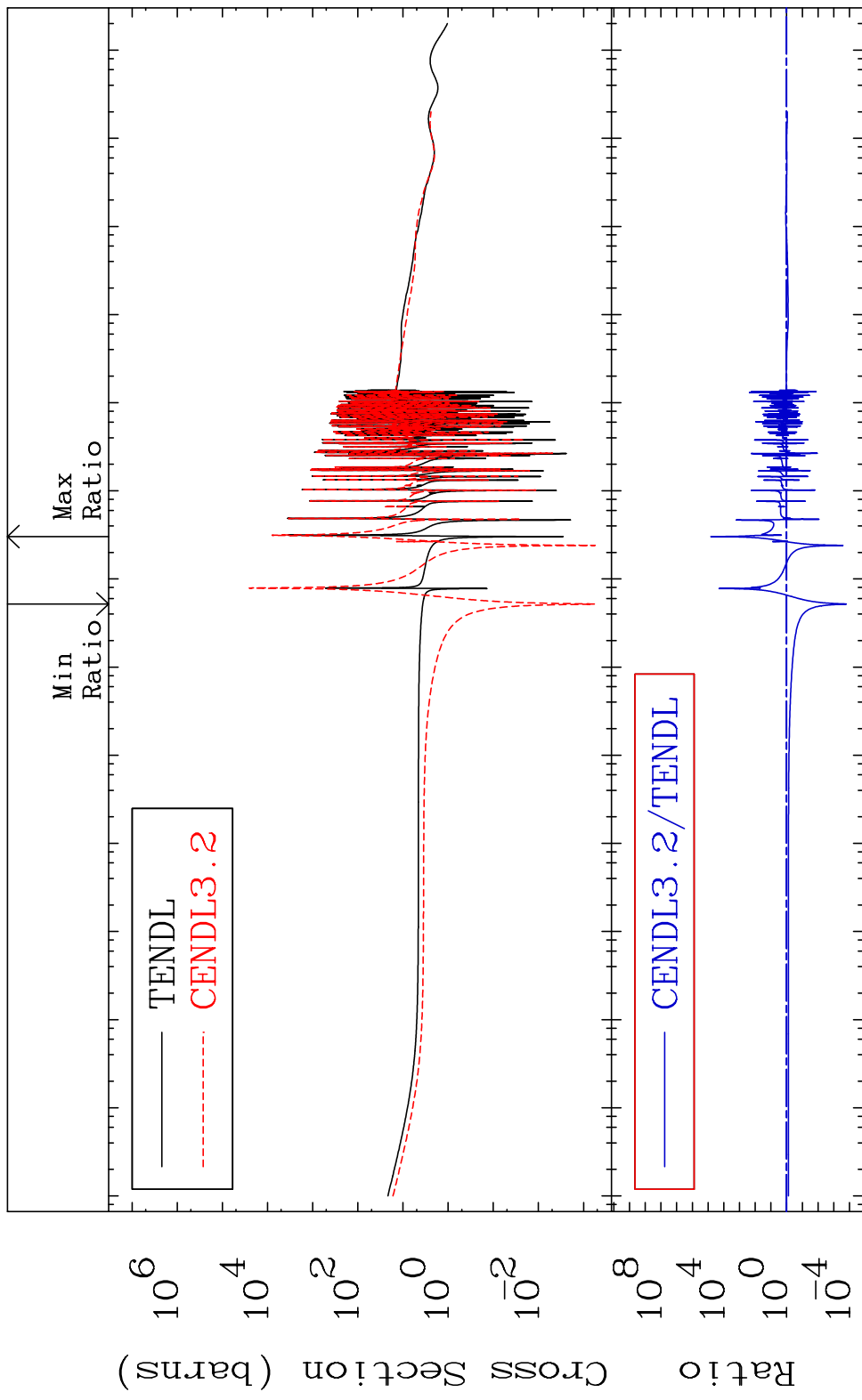


1

Incident Energy (eV)

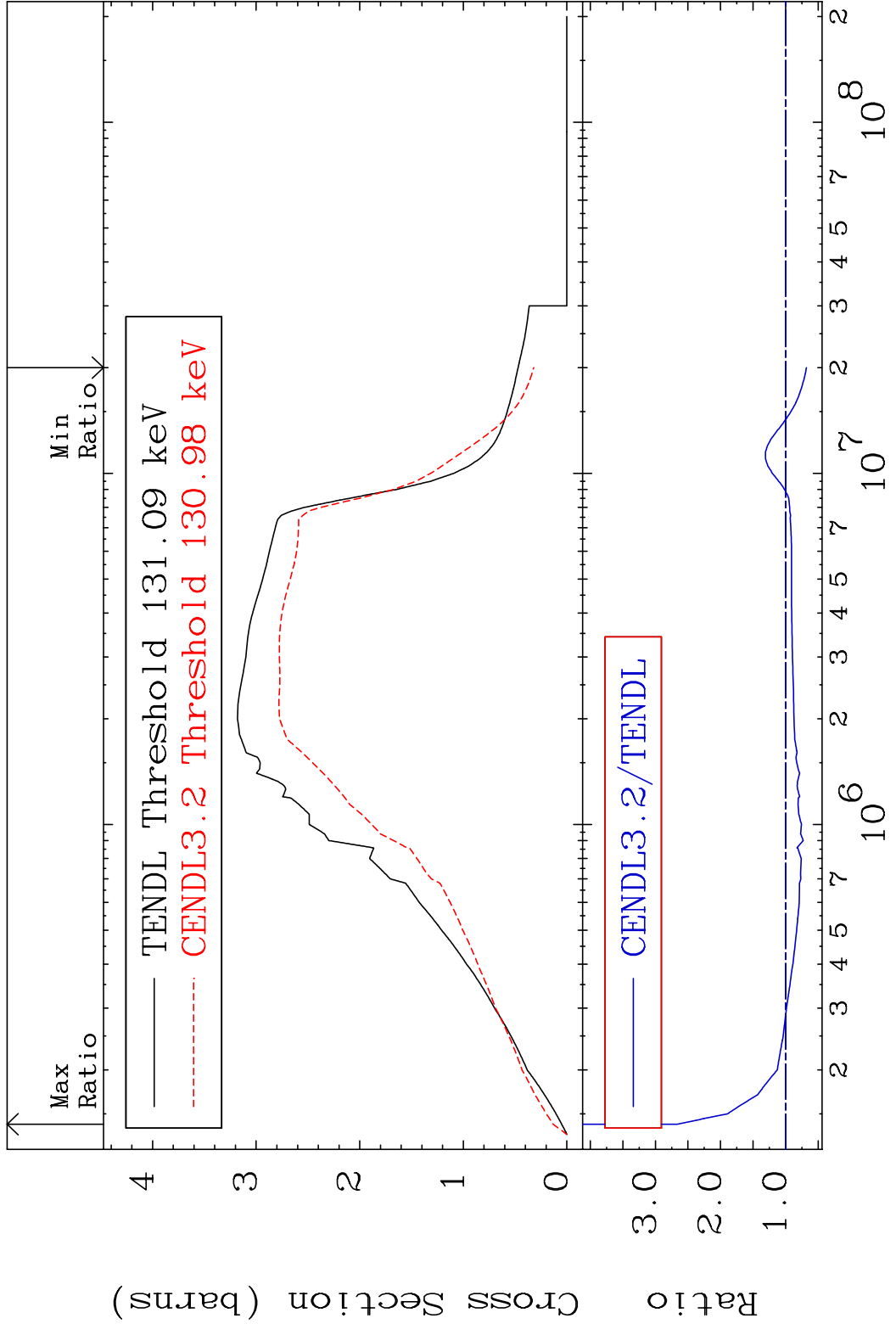
60-Nd-150

MAT 6049 Elastic 60-Nd-150
 Cross Section -99.98 To 9999. %

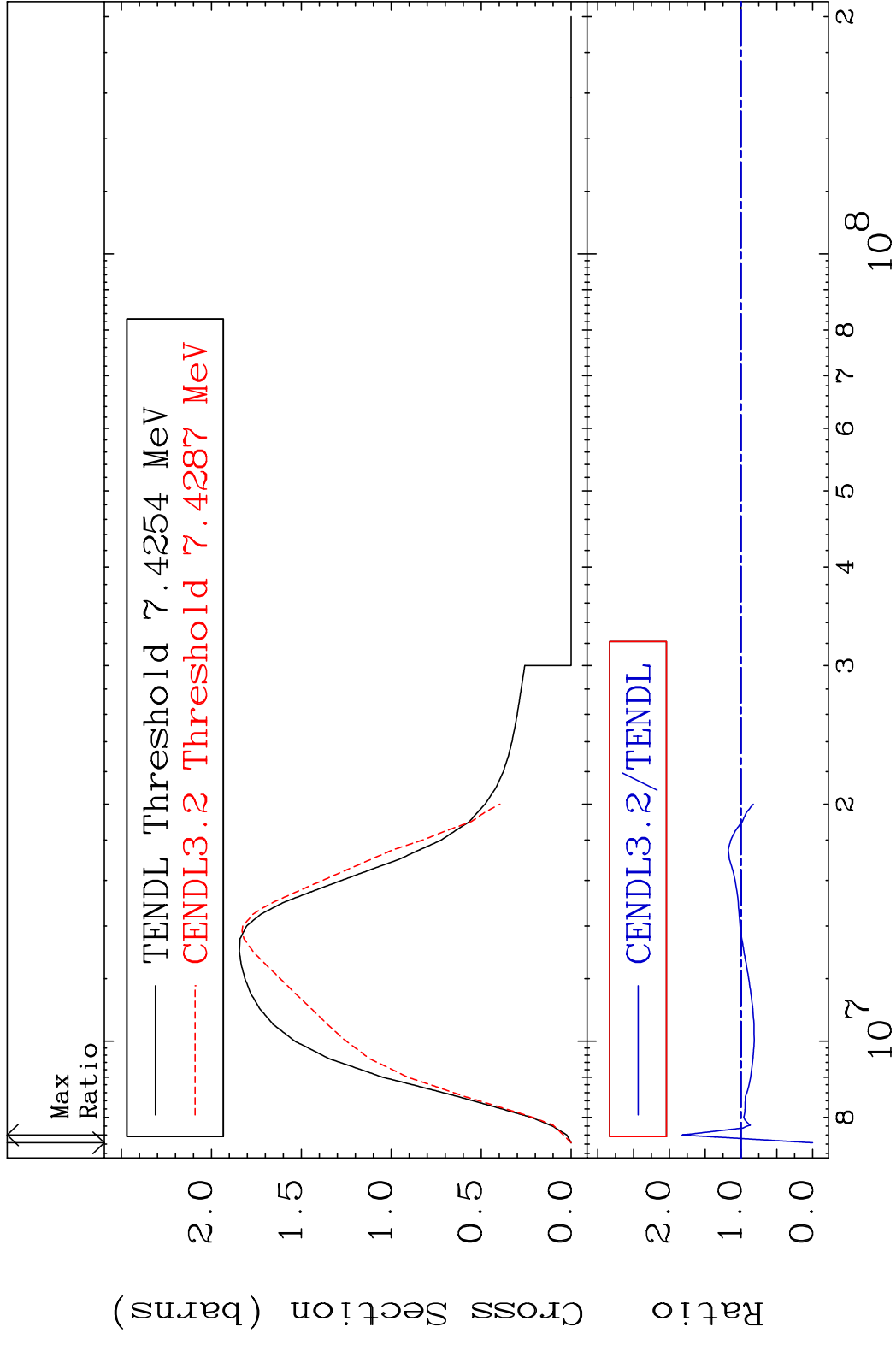


2 Incident Energy (eV) 60-Nd-150

MAT 6049 Inelastic 60-Nd-150
 Cross Section -31.94 To 166.6 %



MAT 6049 (n,2n) 60-Nd-150
 Cross Section -100.0 To 81.82 %



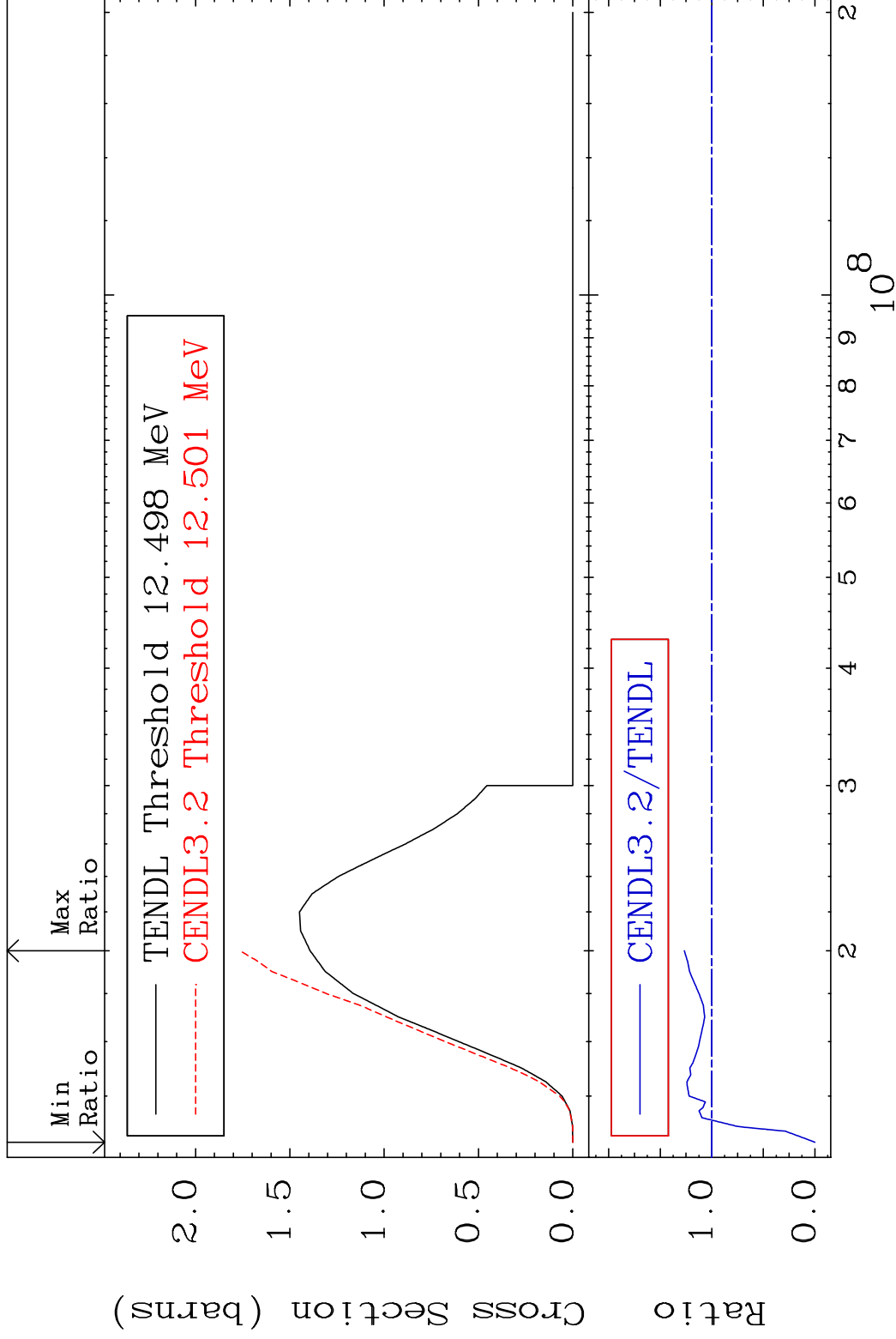
4 Incident Energy (eV) 60-Nd-150

MAT 6049

(n,3n)

60-Nd-150

Cross Section -100.0 To 26.64 %

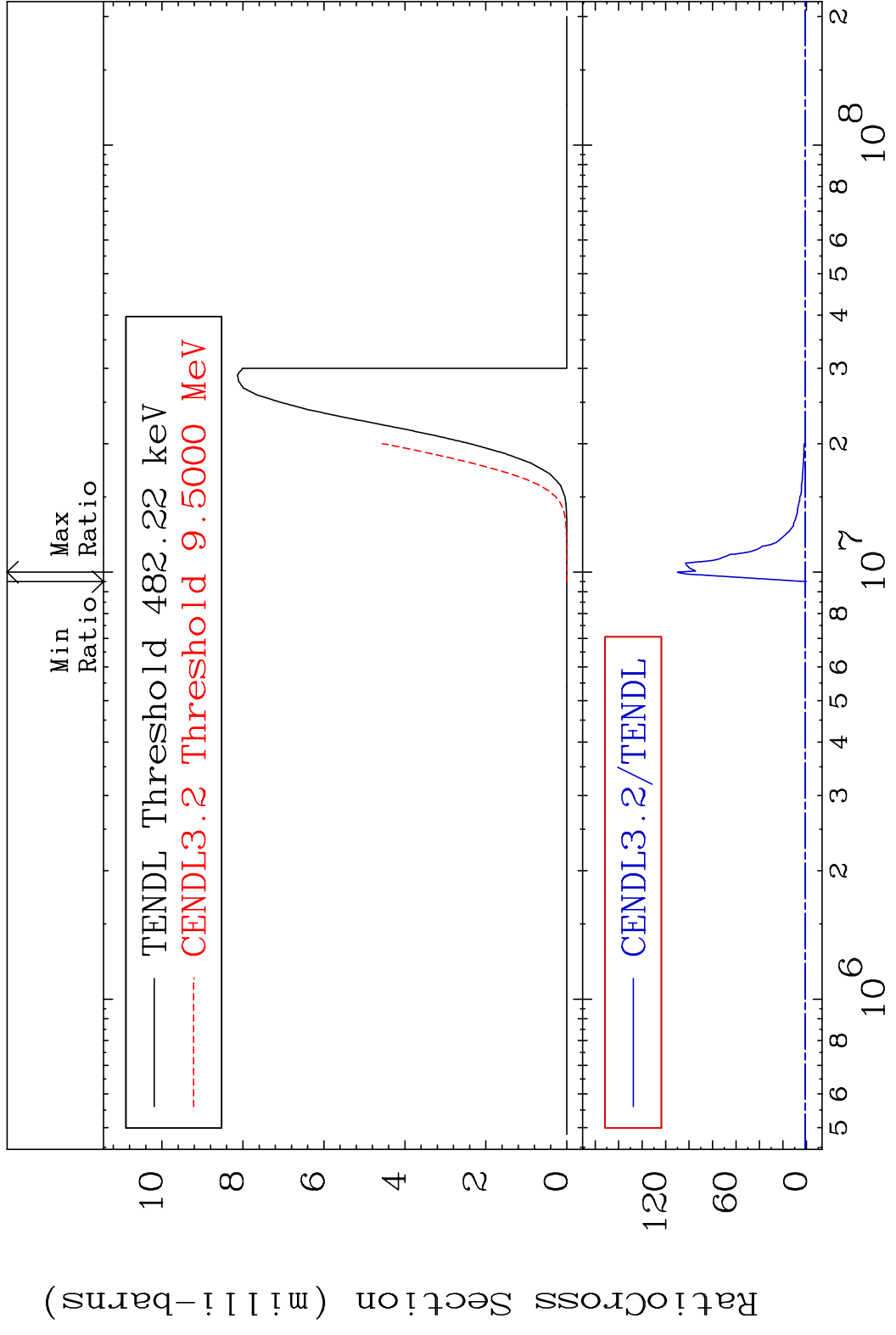


5

Incident Energy (eV)

60-Nd-150

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

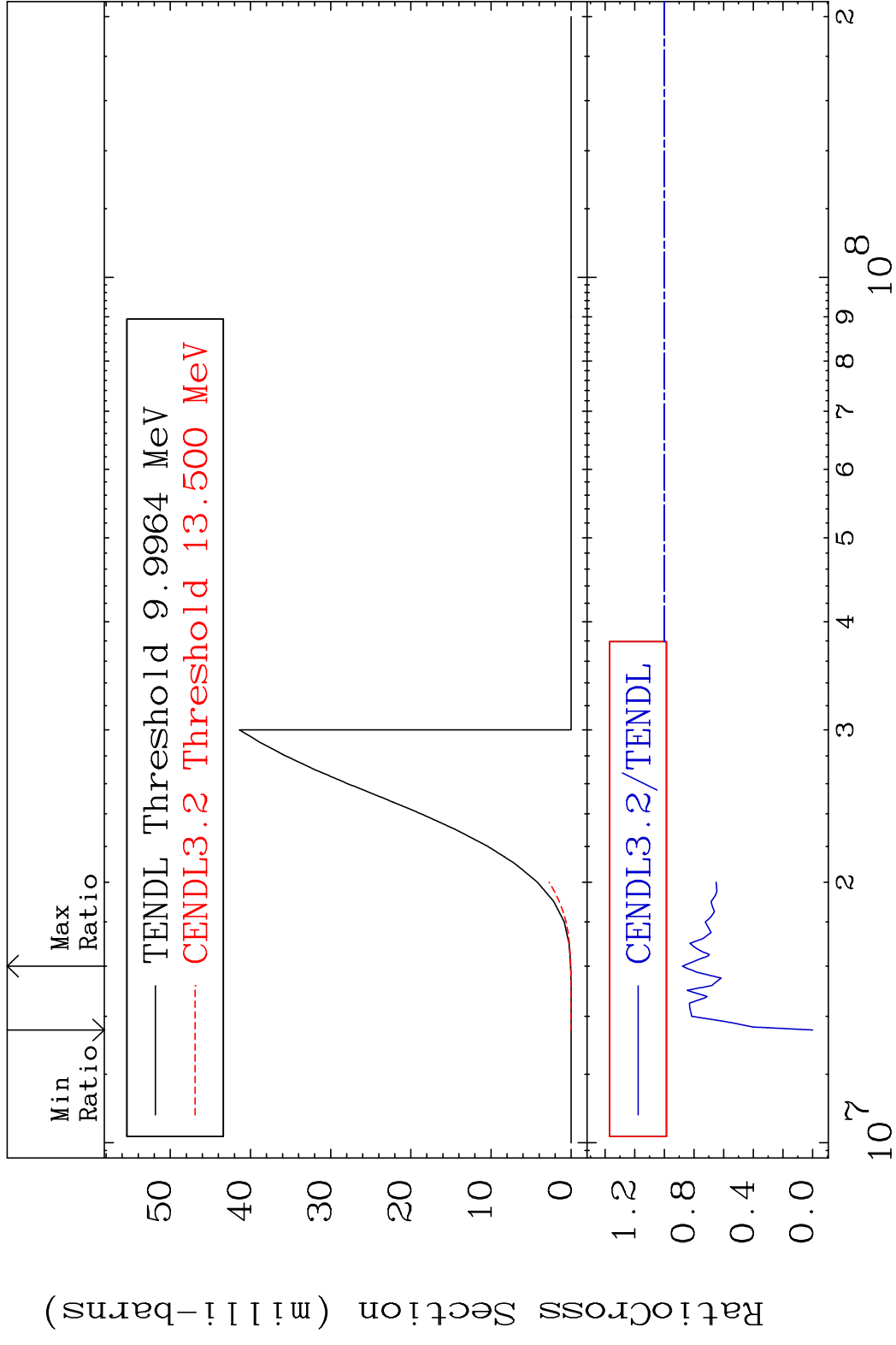


6 60-Nd-150

MAT 6049

(n, n') p 60-Nd-150

Cross Section -100.0 To -12.10%

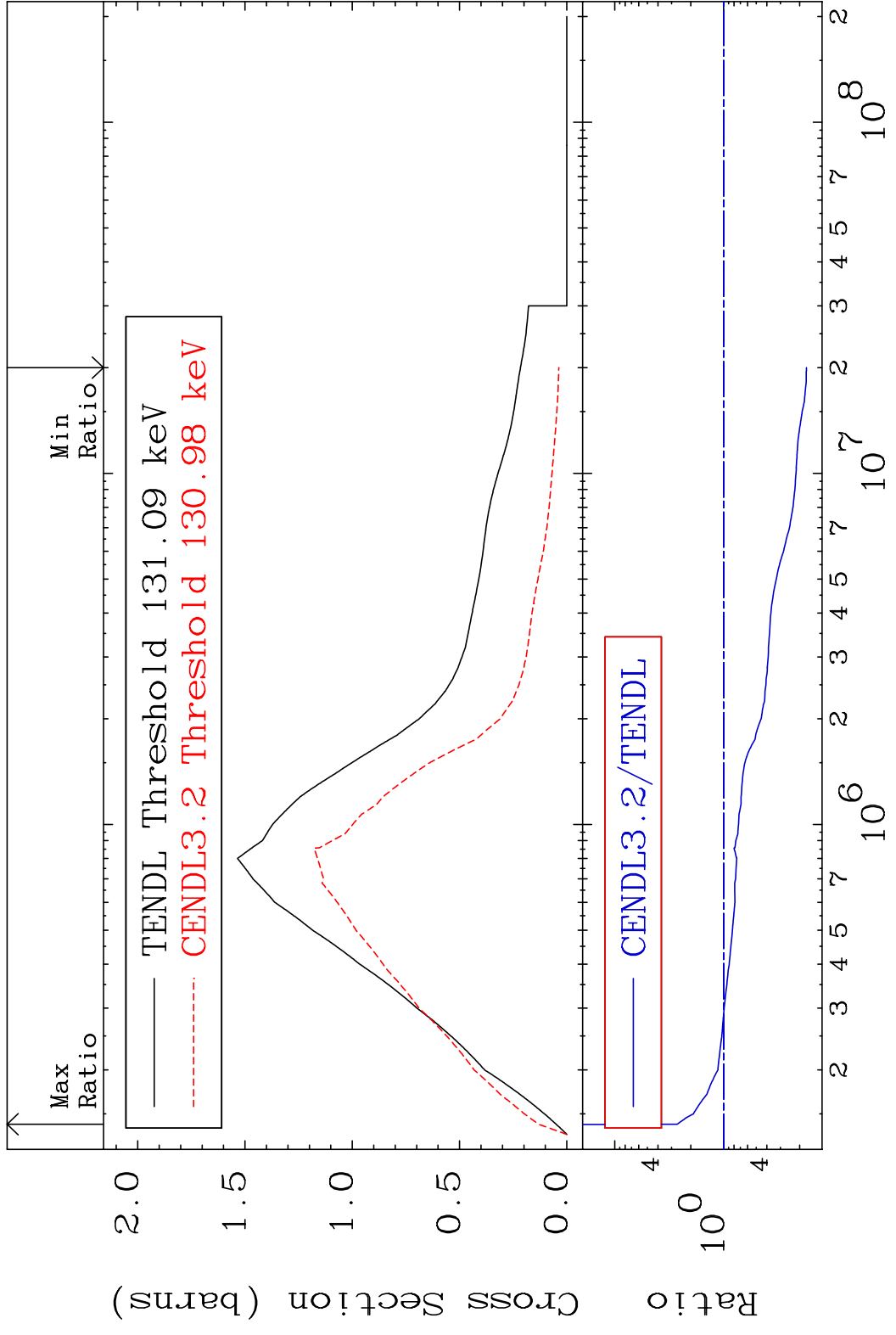


7

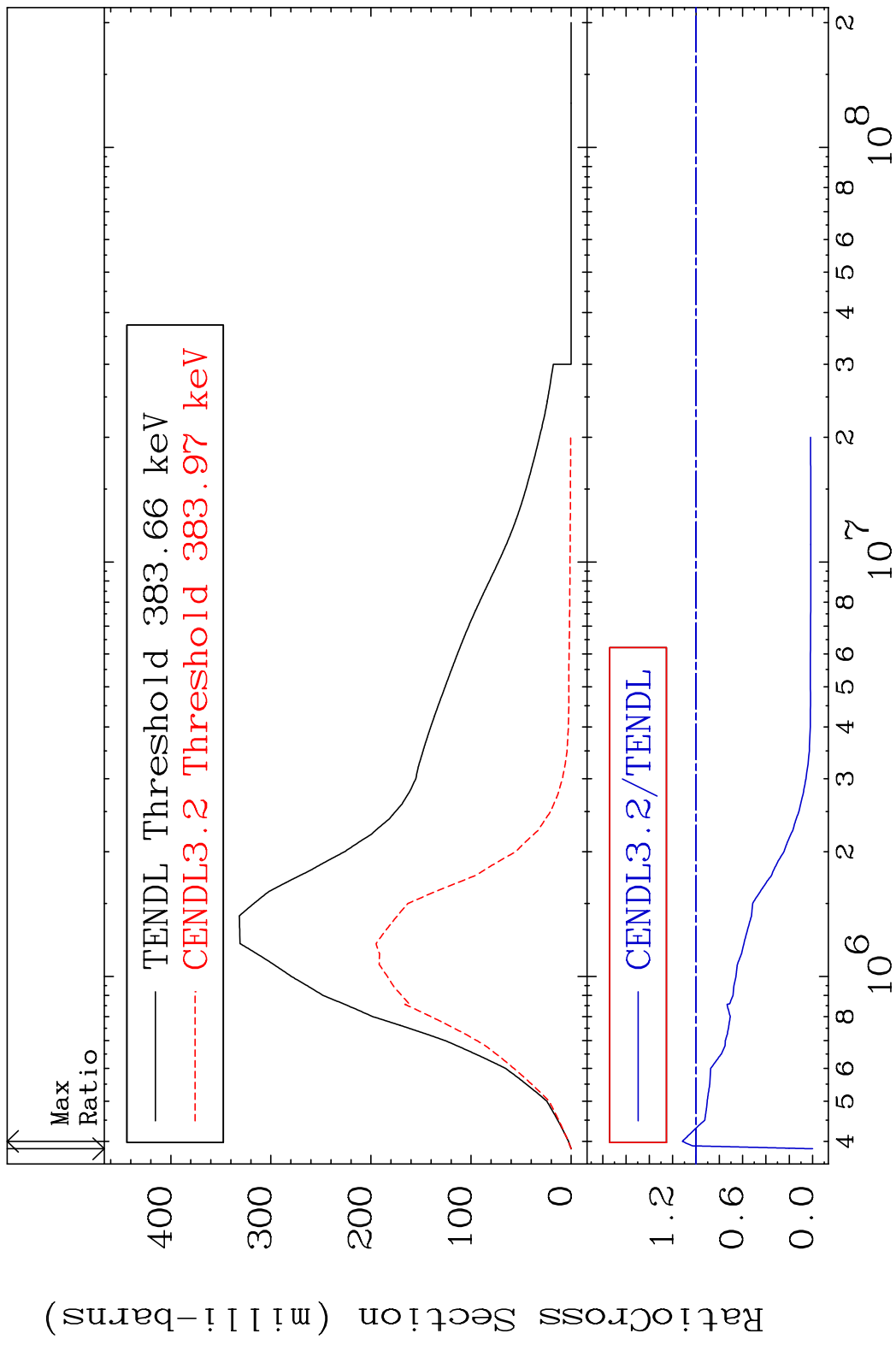
Incident Energy (eV)

60-Nd-150

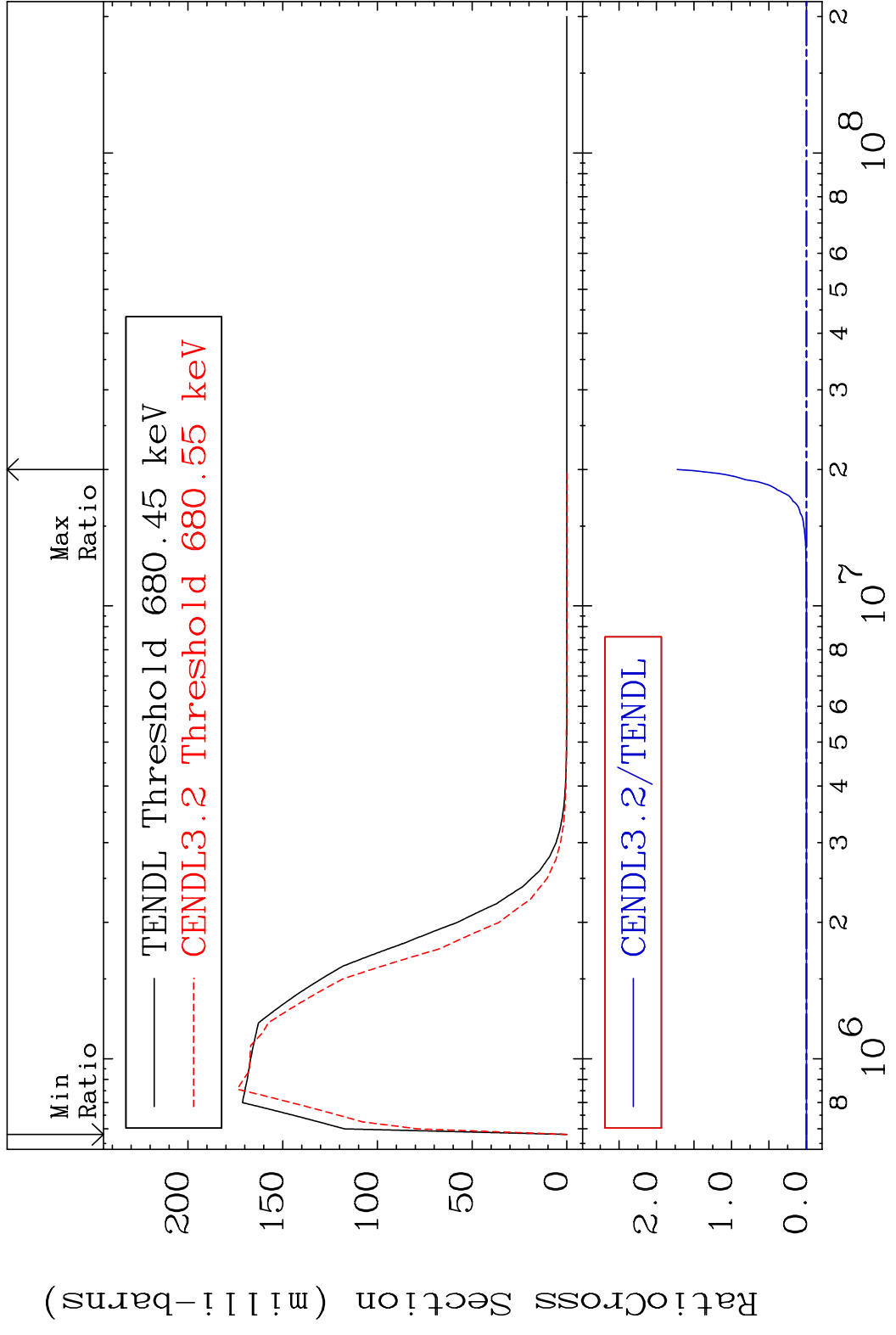
MAT 6049 MT= 51 (n, n') Level 60-Nd-150
 Cross Section -82.68 To 166.6 %



MAT 6049 MT= 52 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 11.70 %

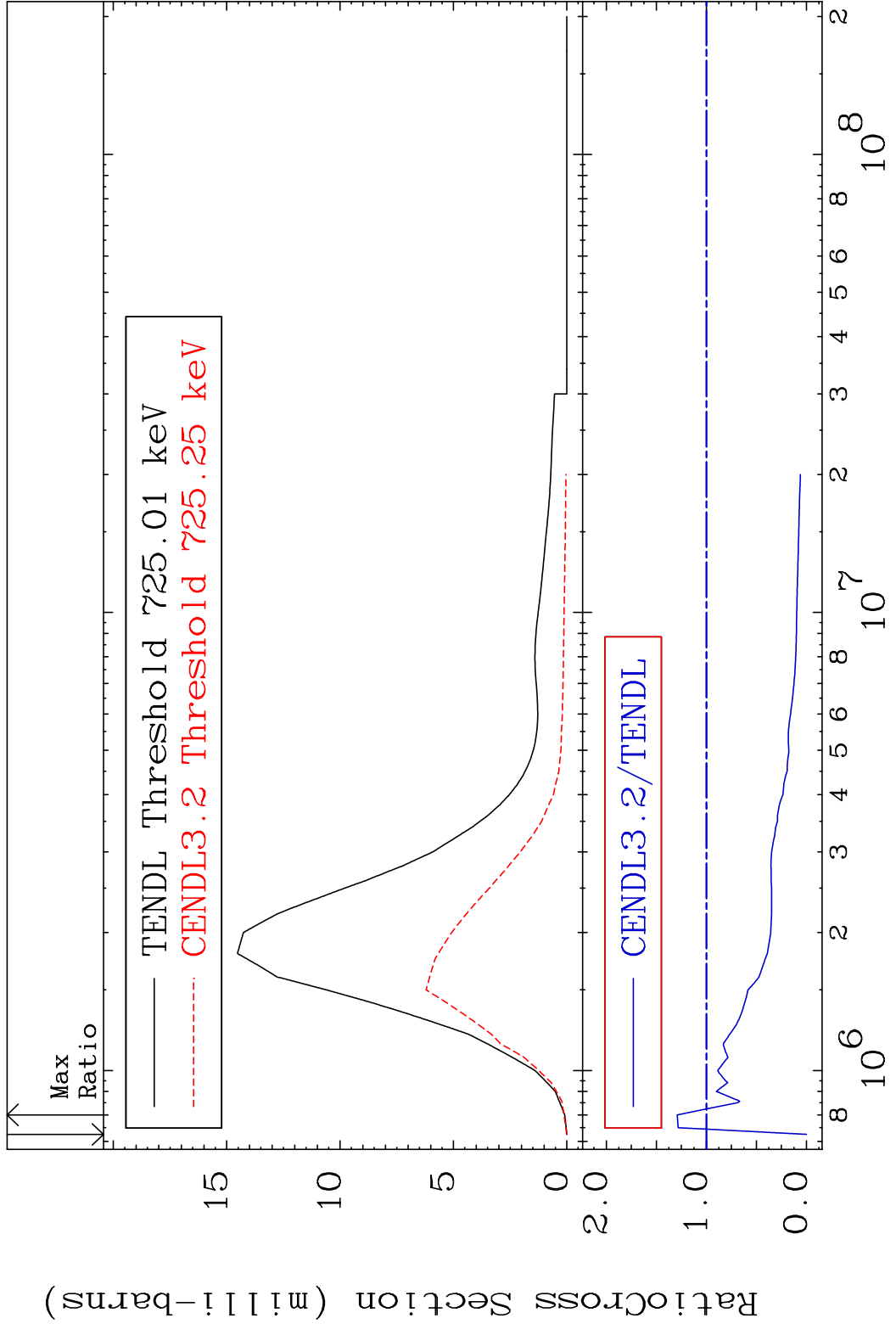


MAT 6049 MT= 53 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 9999. %

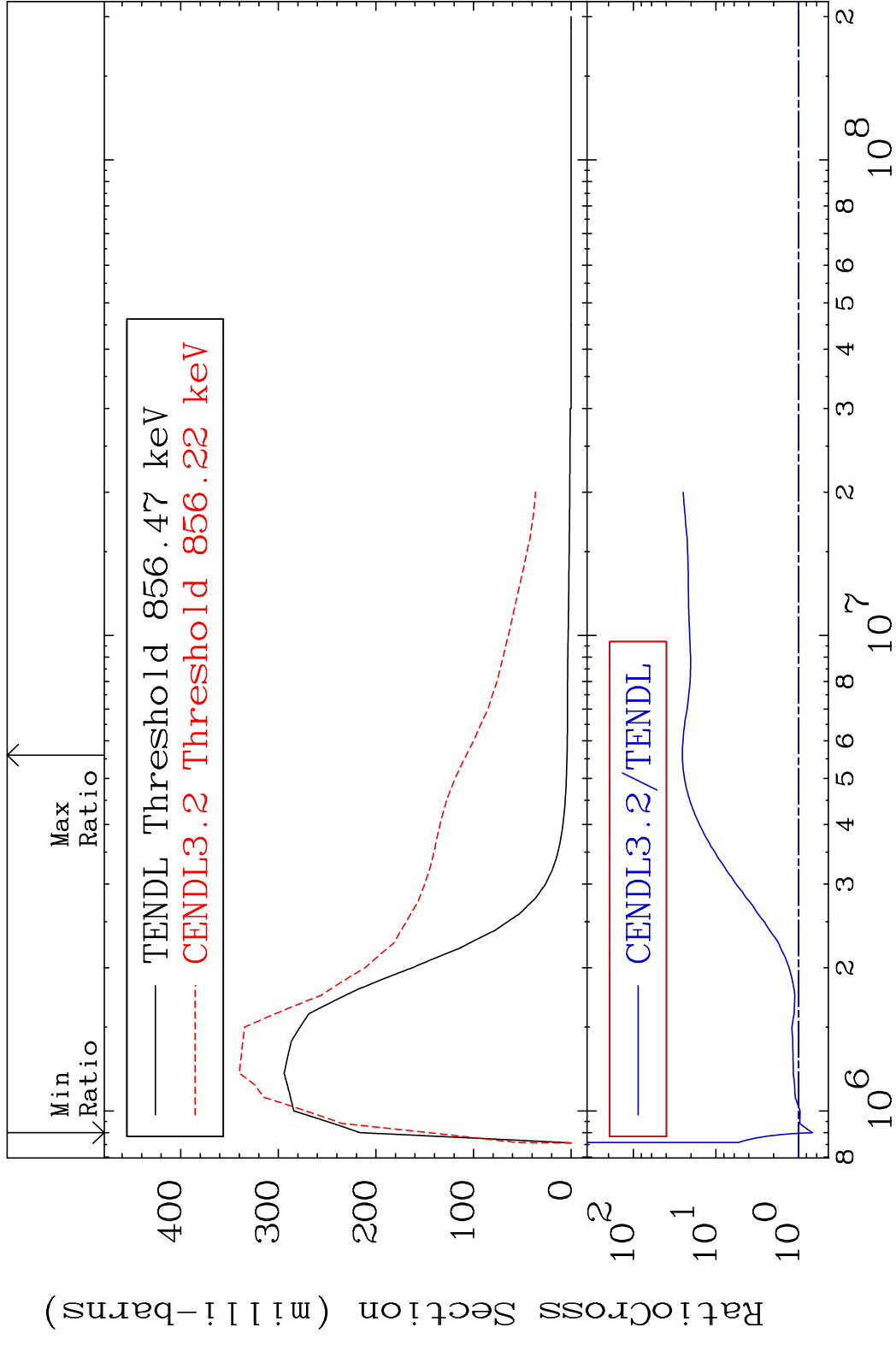


10 2 3 4 5 6 8 10⁸ 2

MAT 6049 MT= 54 (n,n') Level 60-Nd-150
 Cross Section -100.0 To 29.19 %

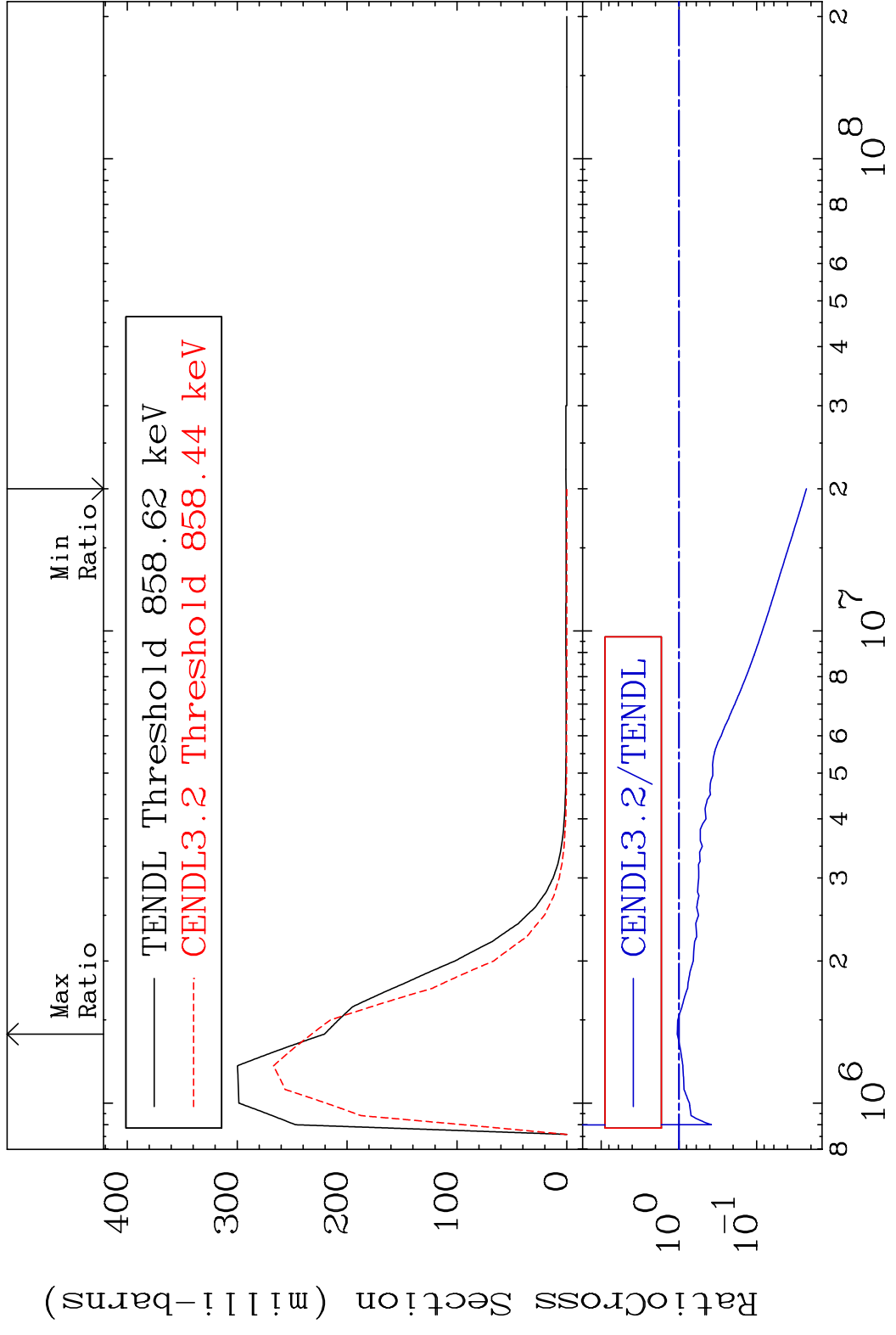


MAT 6049 MT= 55 (n,n') Level 60-Nd-150
 Cross Section -32.44 To 2450. %



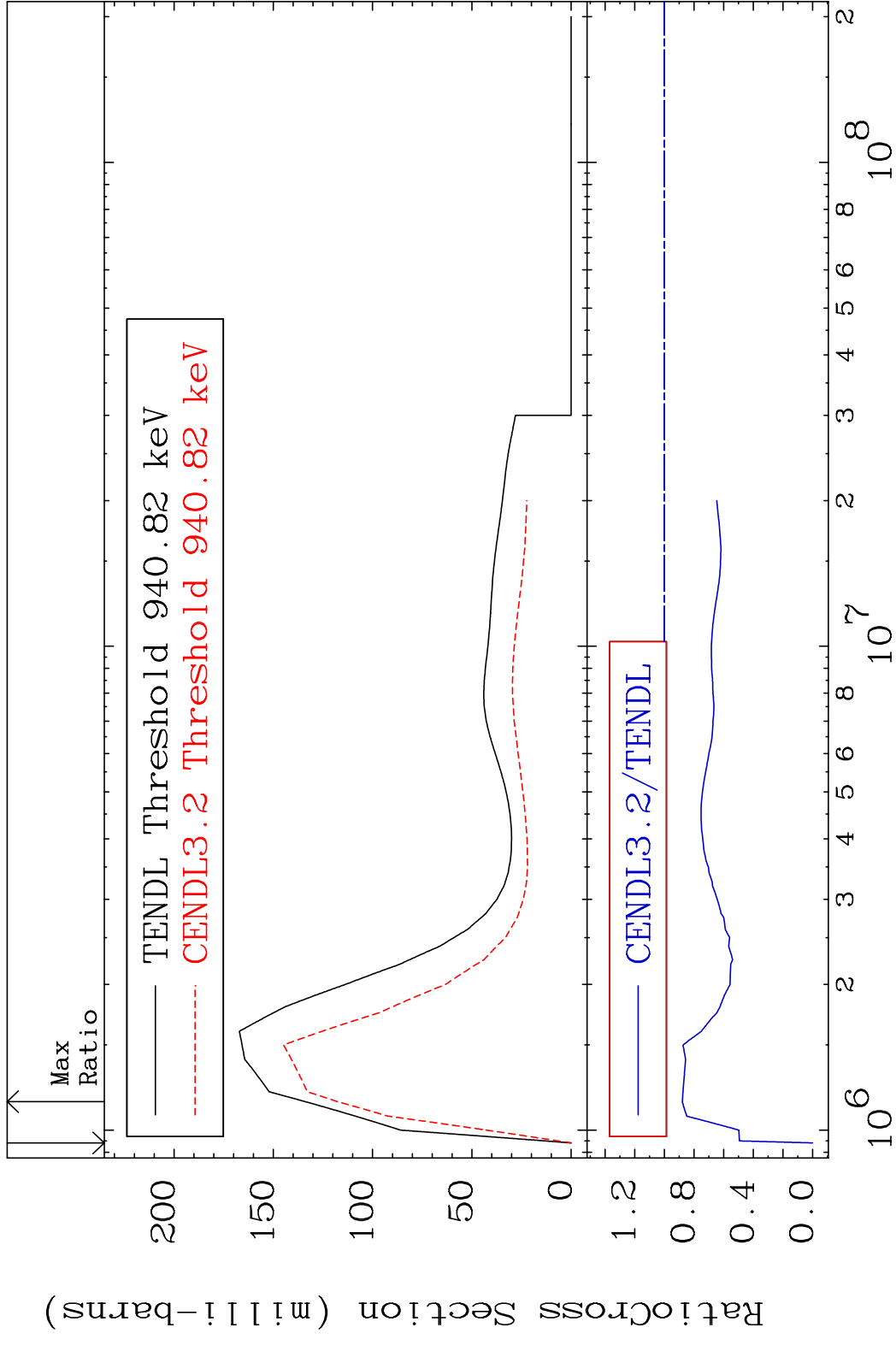
12 Incident Energy (eV) 60-Nd-150

MAT 6049 MT= 56 (n, n') Level 60-Nd-150
 Cross Section -97.71 To 5.321 %



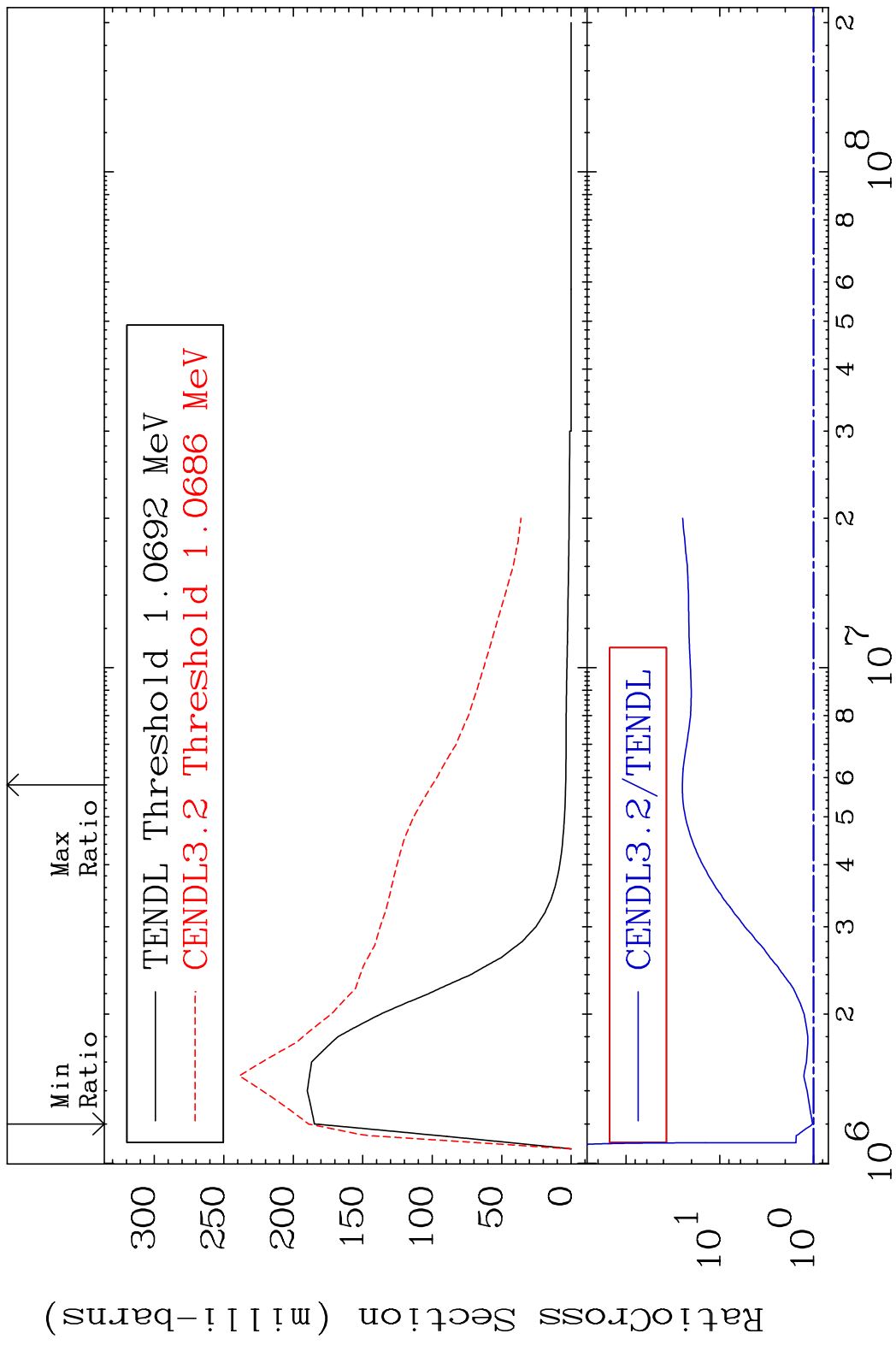
13 Incident Energy (eV) 60-Nd-150

MAT 6049 MT= 57 (n, n') Level 60-Nd-150
 Cross Section -100.0 To -12.15%



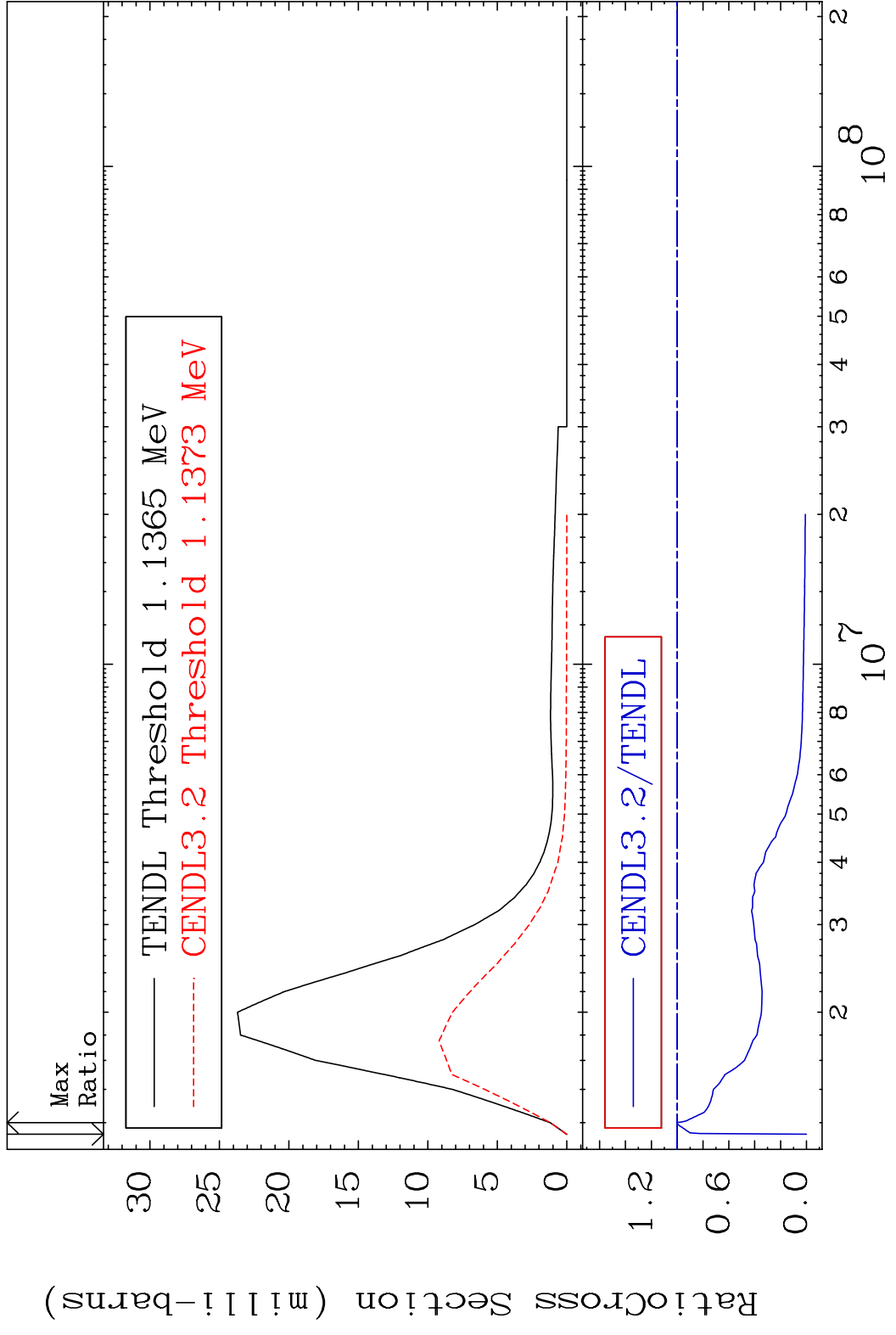
14 Incident Energy (eV) 60-Nd-150

MAT 6049 MT= 58 (n, n') Level 60-Nd-150
 Cross Section 2.297 To 2411. %

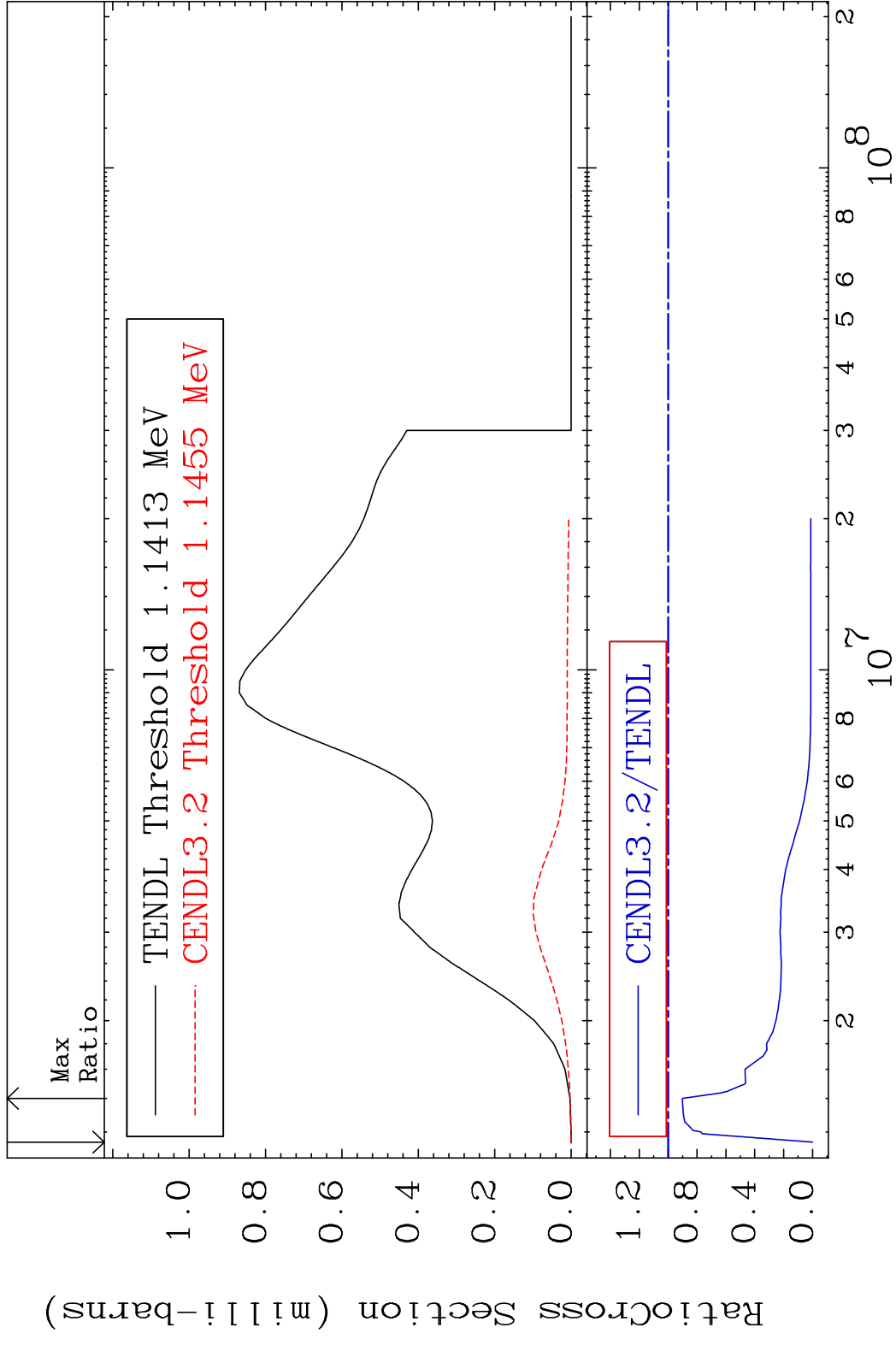


15 Incident Energy (eV) 60-Nd-150

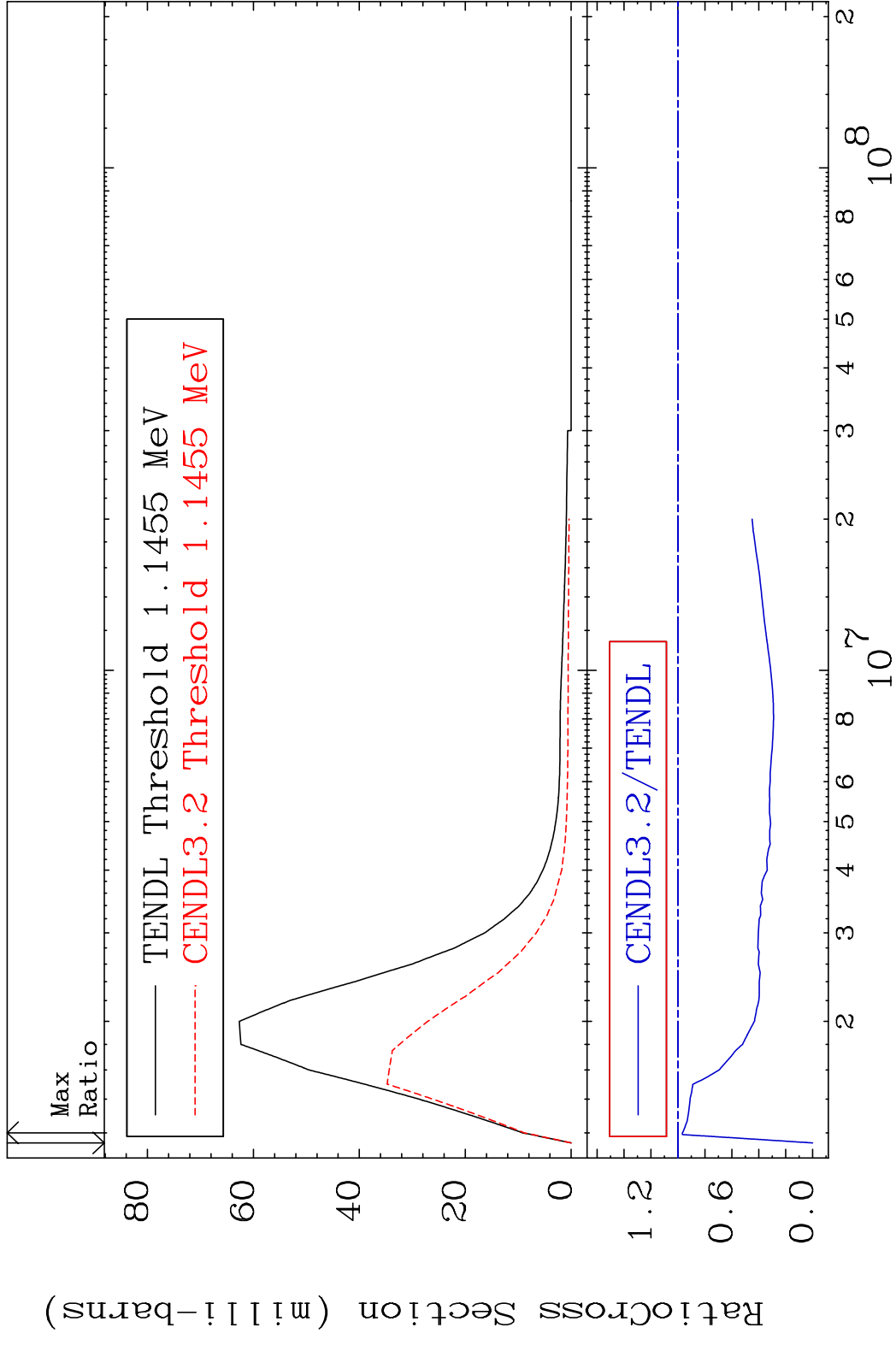
MAT 6049 MT= 59 (n, n') Level 60-Nd-150
 Cross Section -100.0 To -0.017%



MAT 6049 MT= 60 (n, n') Level 60-Nd-150
 Cross Section -100.0 To -9.839%



MAT 6049 MT= 61 (n, n') Level 60-Nd-150
 Cross Section -100.0 To -3.289%

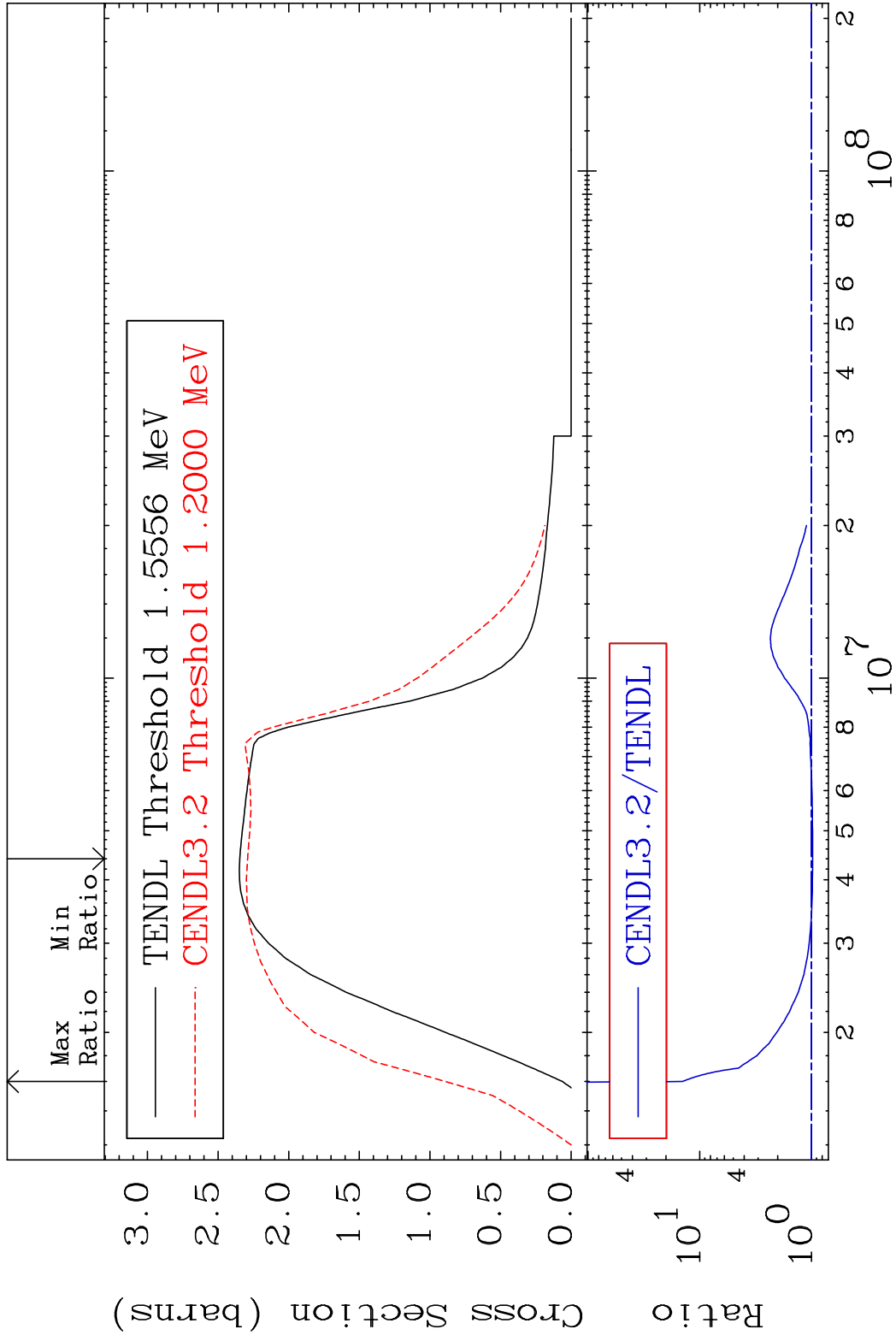


MAT 6049

(n, n') Continuum

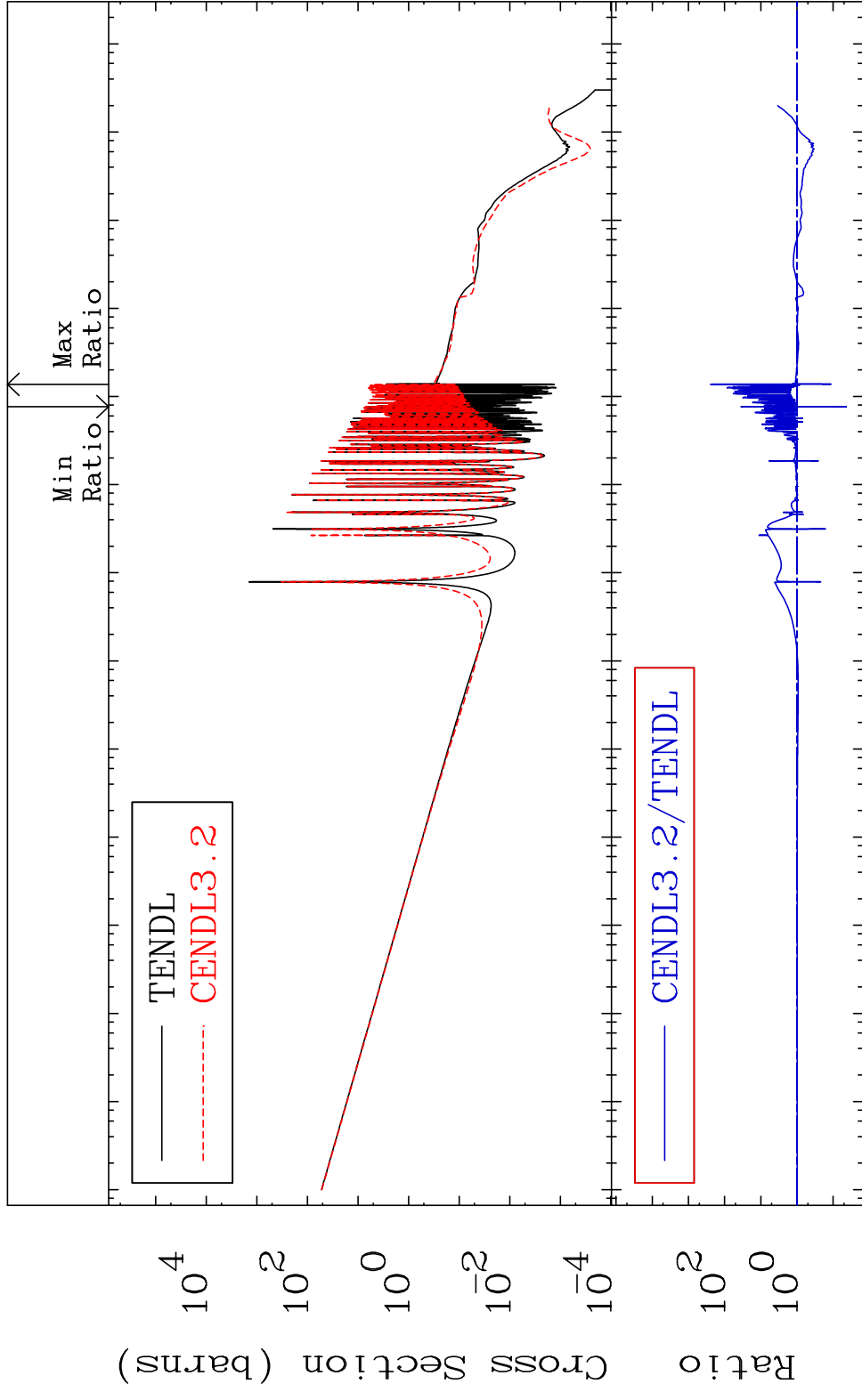
60-Nd-150

Cross Section -2.370 To 1329. %



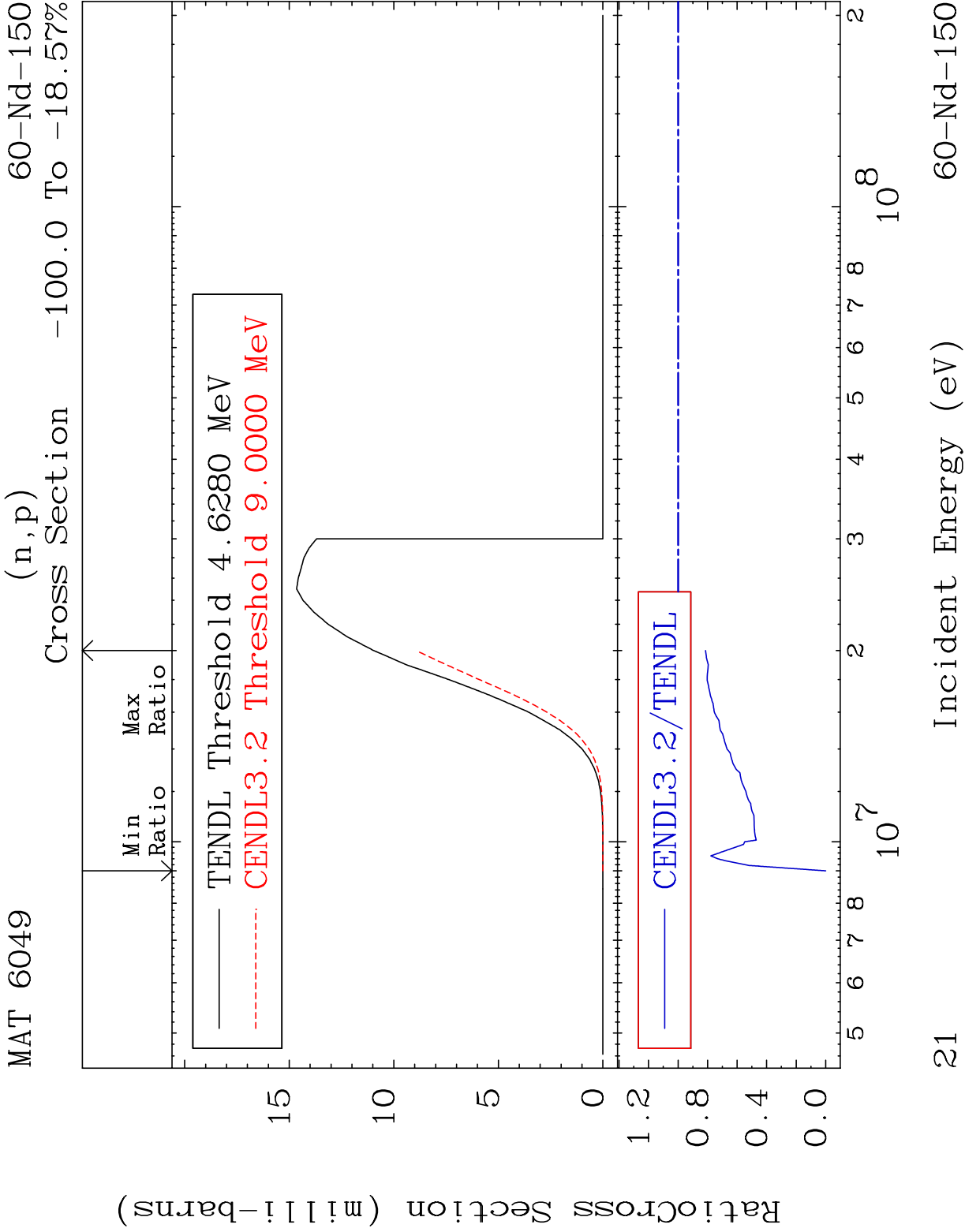
MAT 6049

(n, γ)
Cross Section -95.69 To 9999. %
60-Nd-150

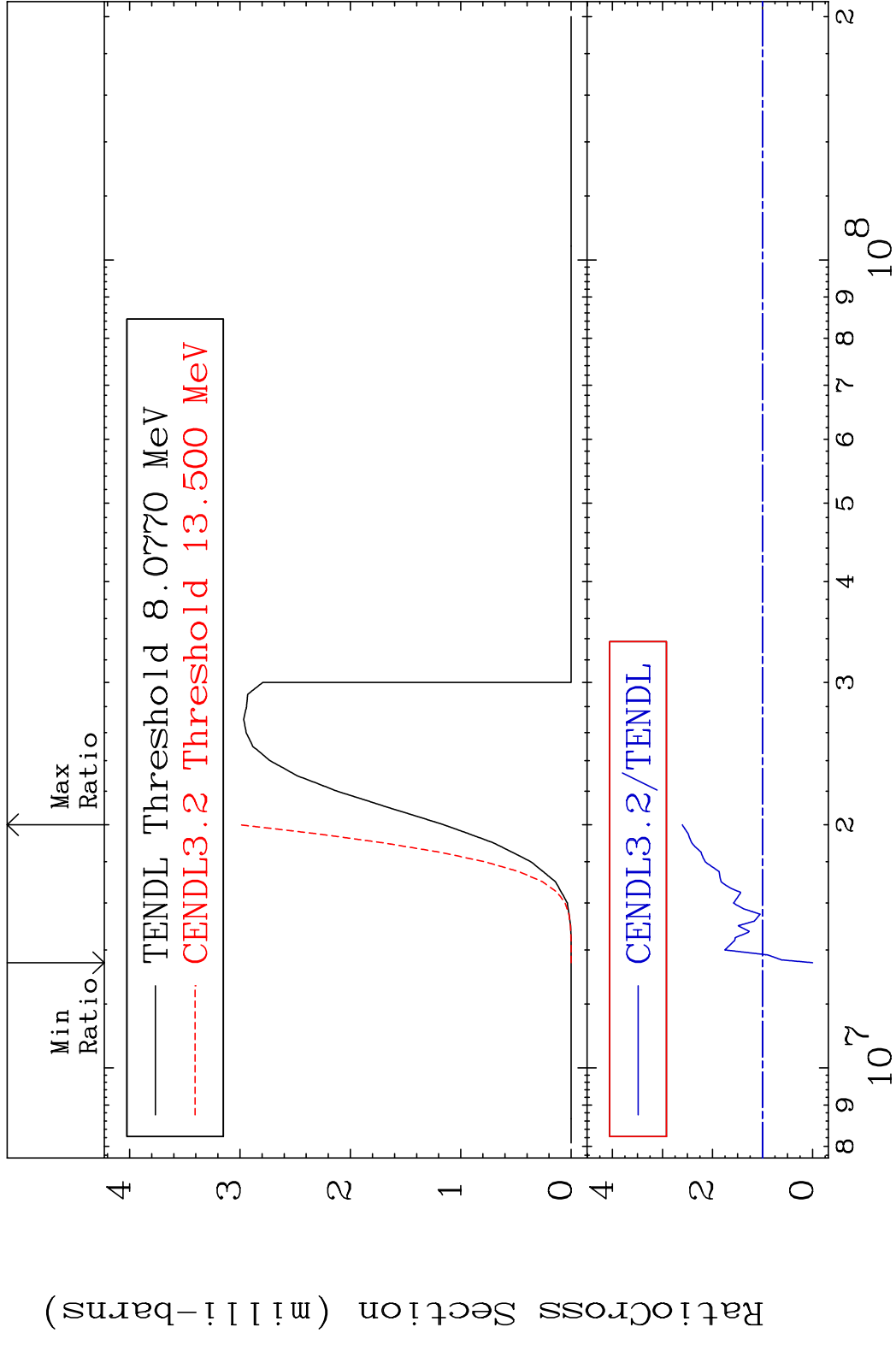


20

Incident Energy (eV) 60-Nd-150



MAT 6049 (n, t) 60-Nd-150
 Cross Section -100.0 To 160.3 %

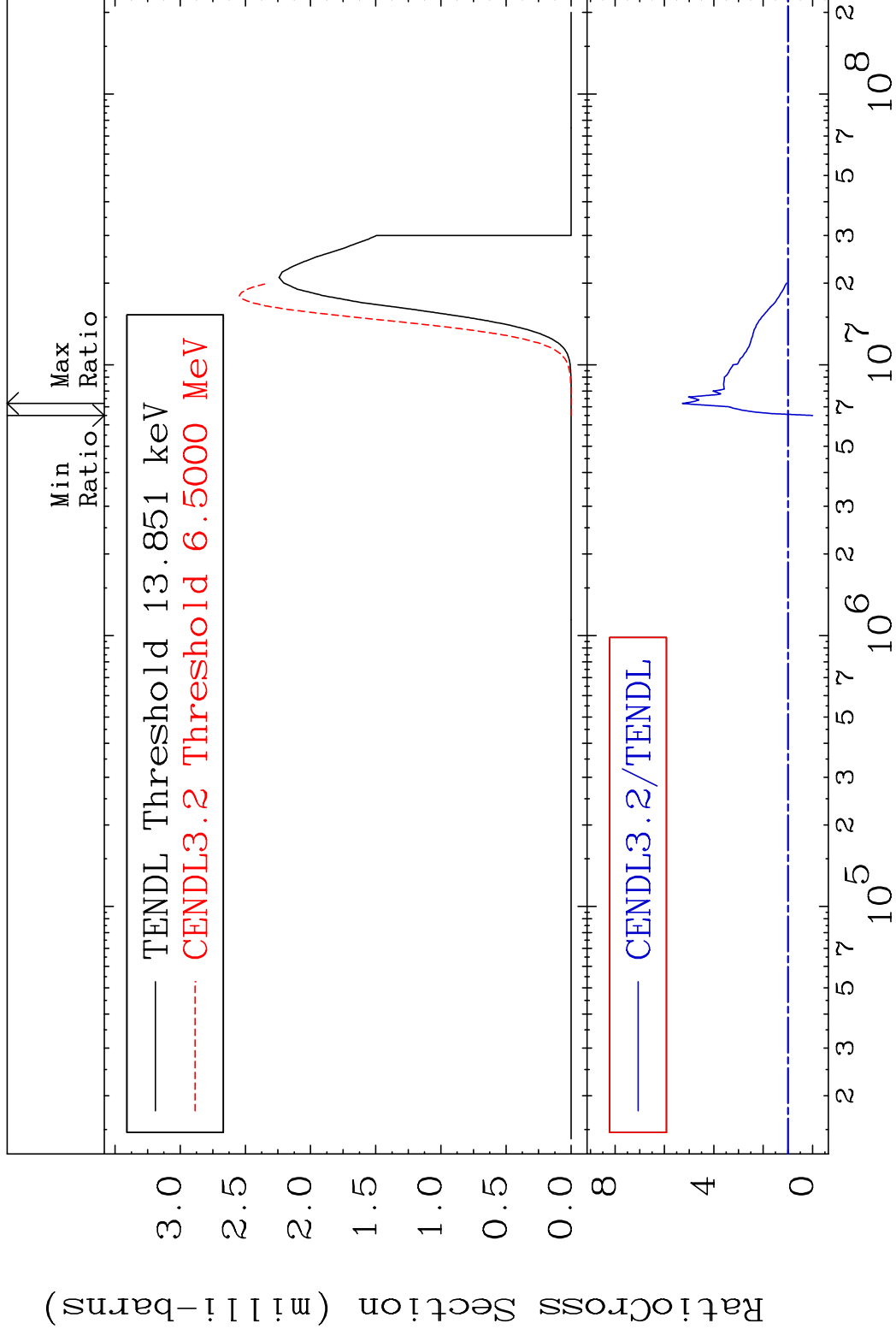


MAT 6049

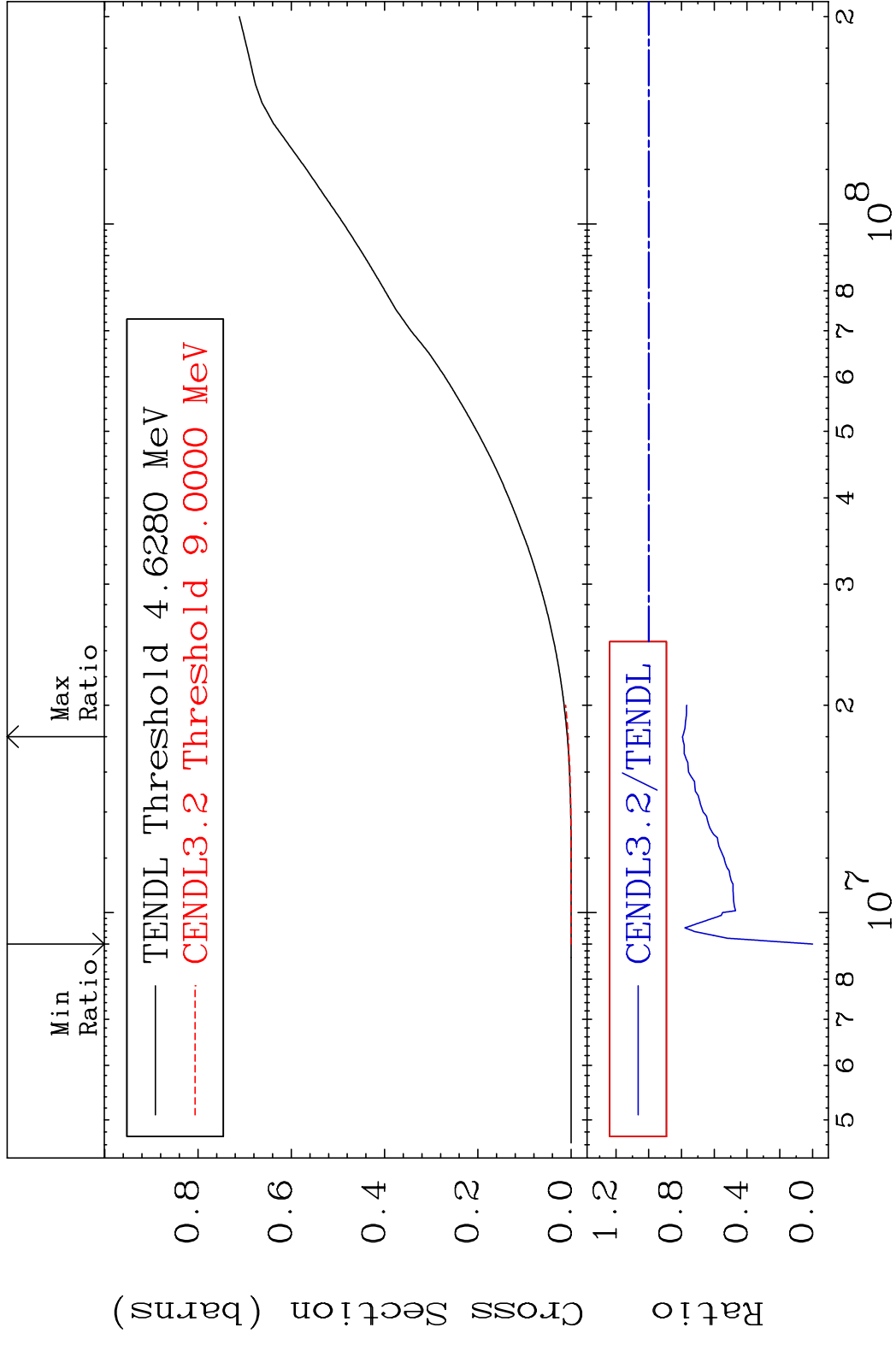
(n, α)

60-Nd-150

Cross Section -100.0 To 427.5 %

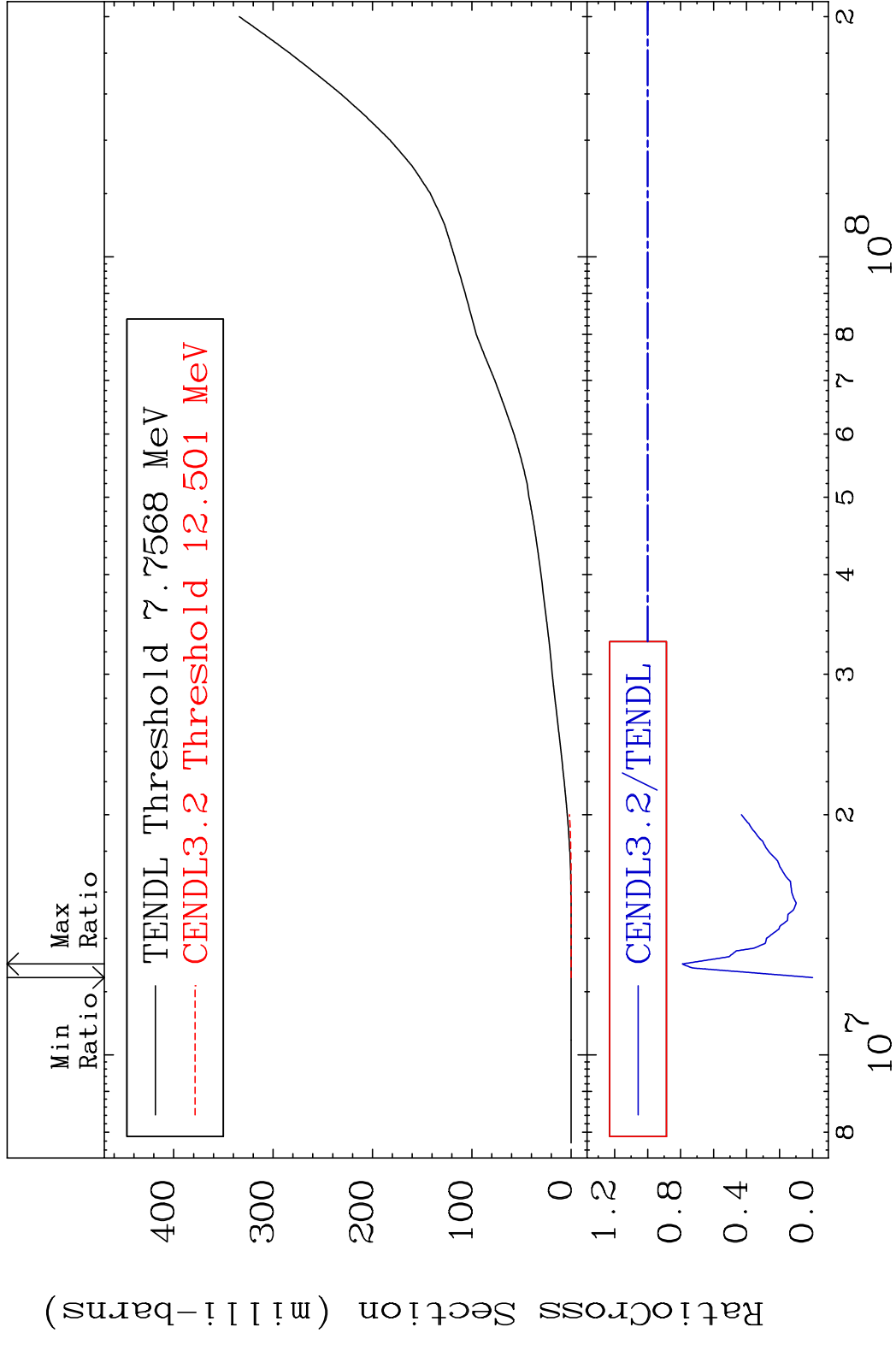


MAT 6049 Hydrogen Production 60-Nd-150
 Cross Section -100.0 To -20.53%

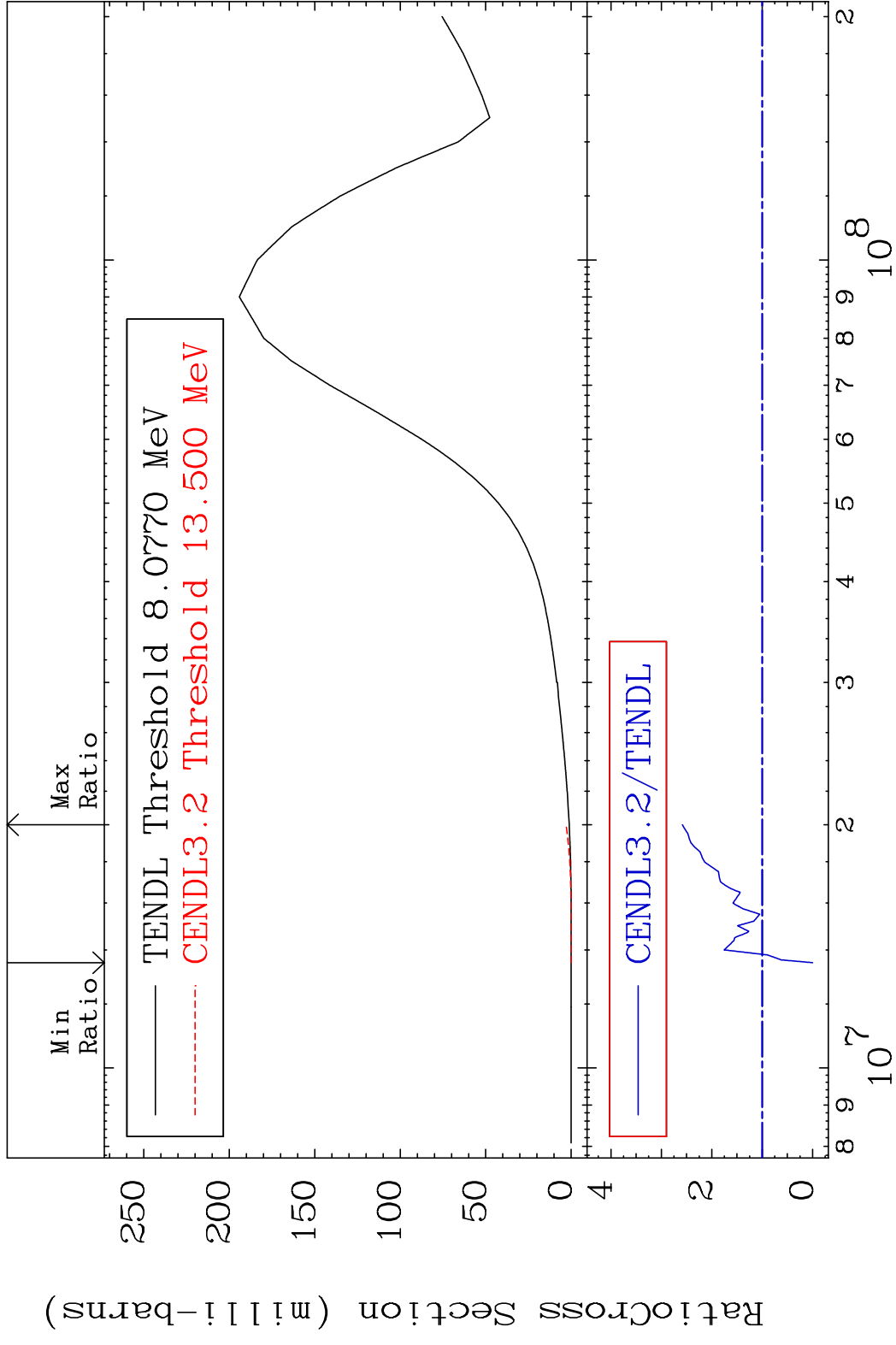


MAT 6049

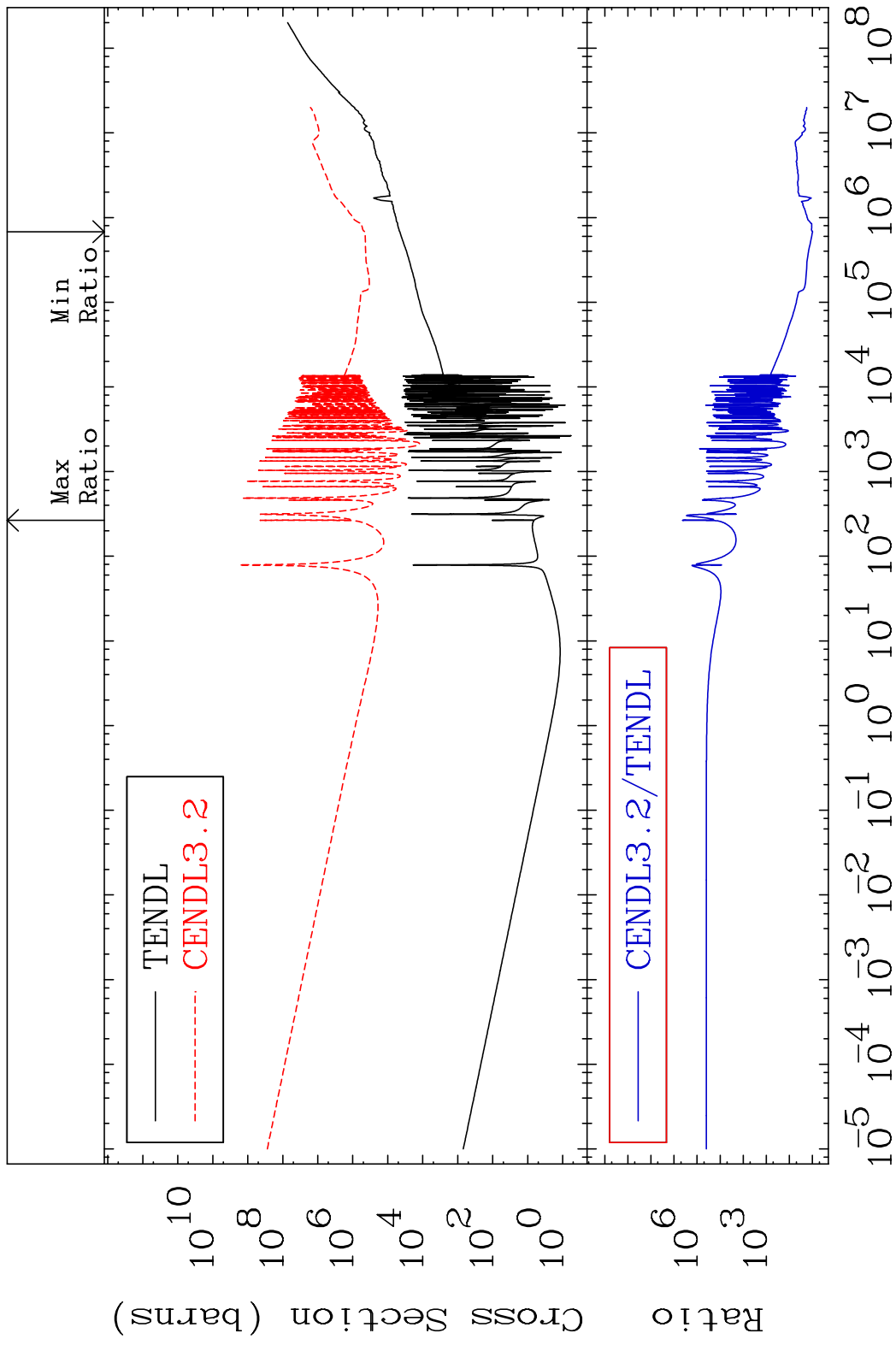
Deuterium Production 60-Nd-150
Cross Section -100.0 To -21.06%



MAT 6049 Tritium Production 60-Nd-150
 Cross Section -100.0 To 158.3 %



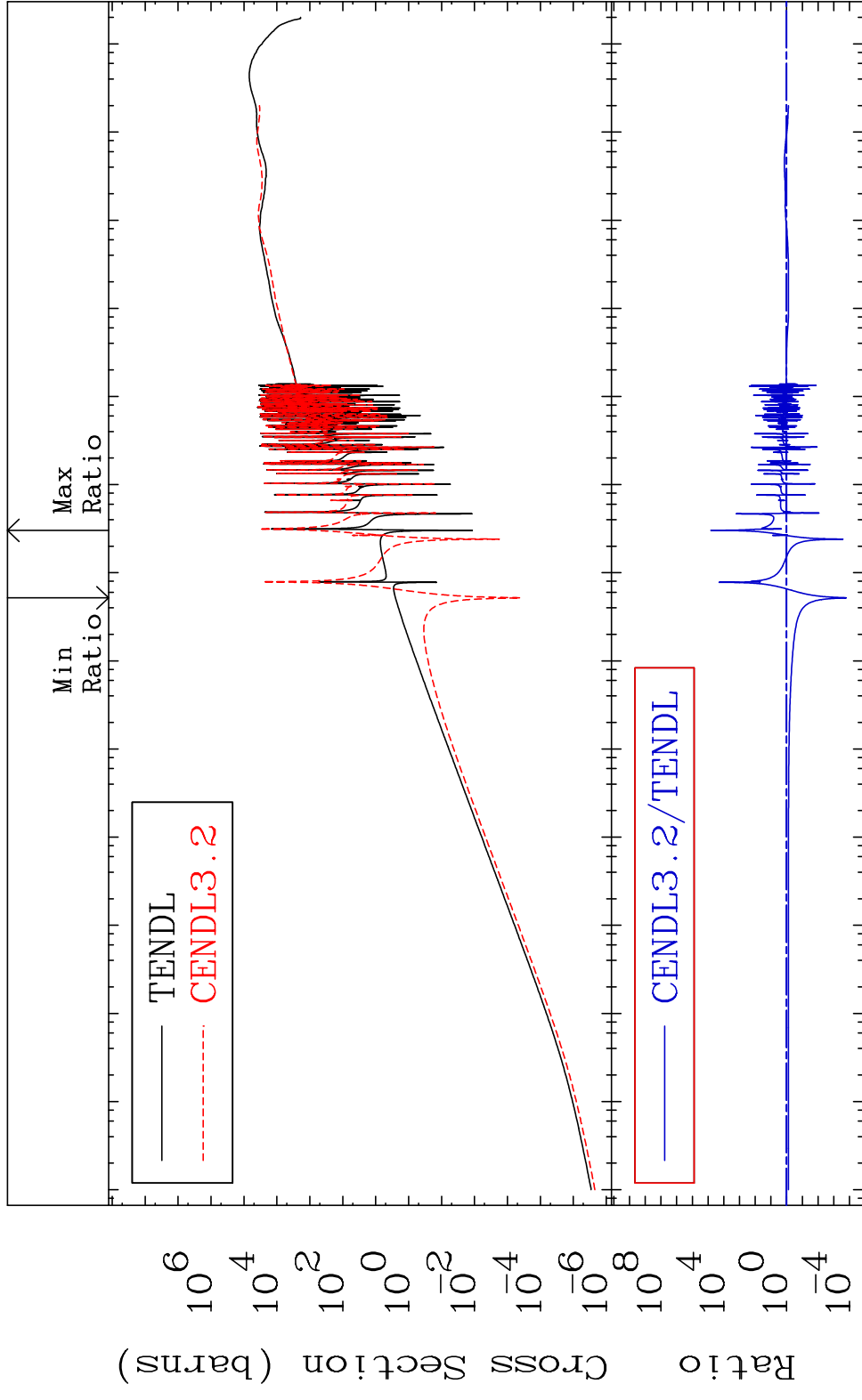
MAT 6049 Kerma total (eV-barns) 60-Nd-150
 Cross Section 890.3 To 9999. %



MAT 6049

Kerma elastic
Cross Section -99.98 To 9999. %

60-Nd-150
To 9999. %

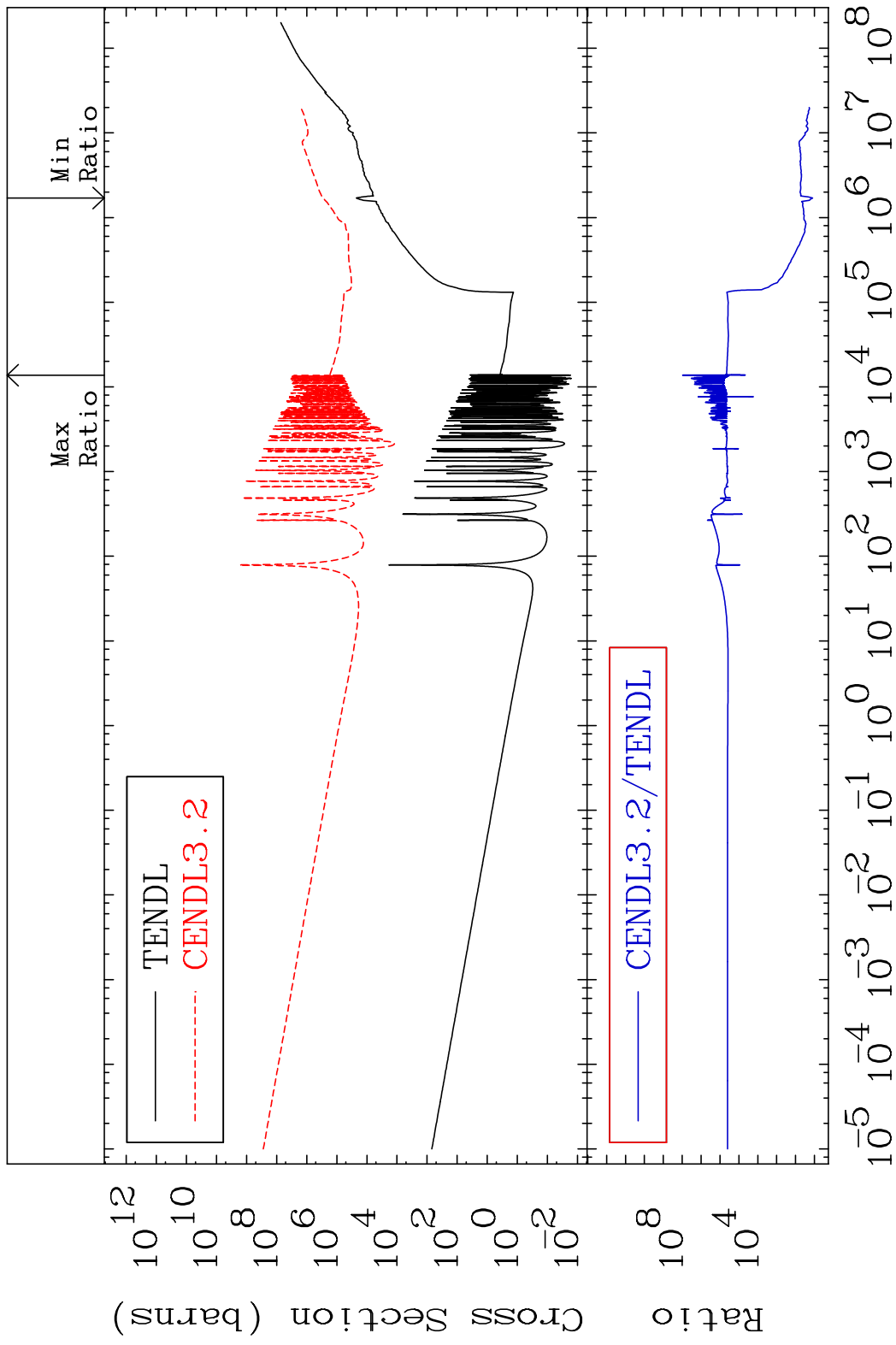


30

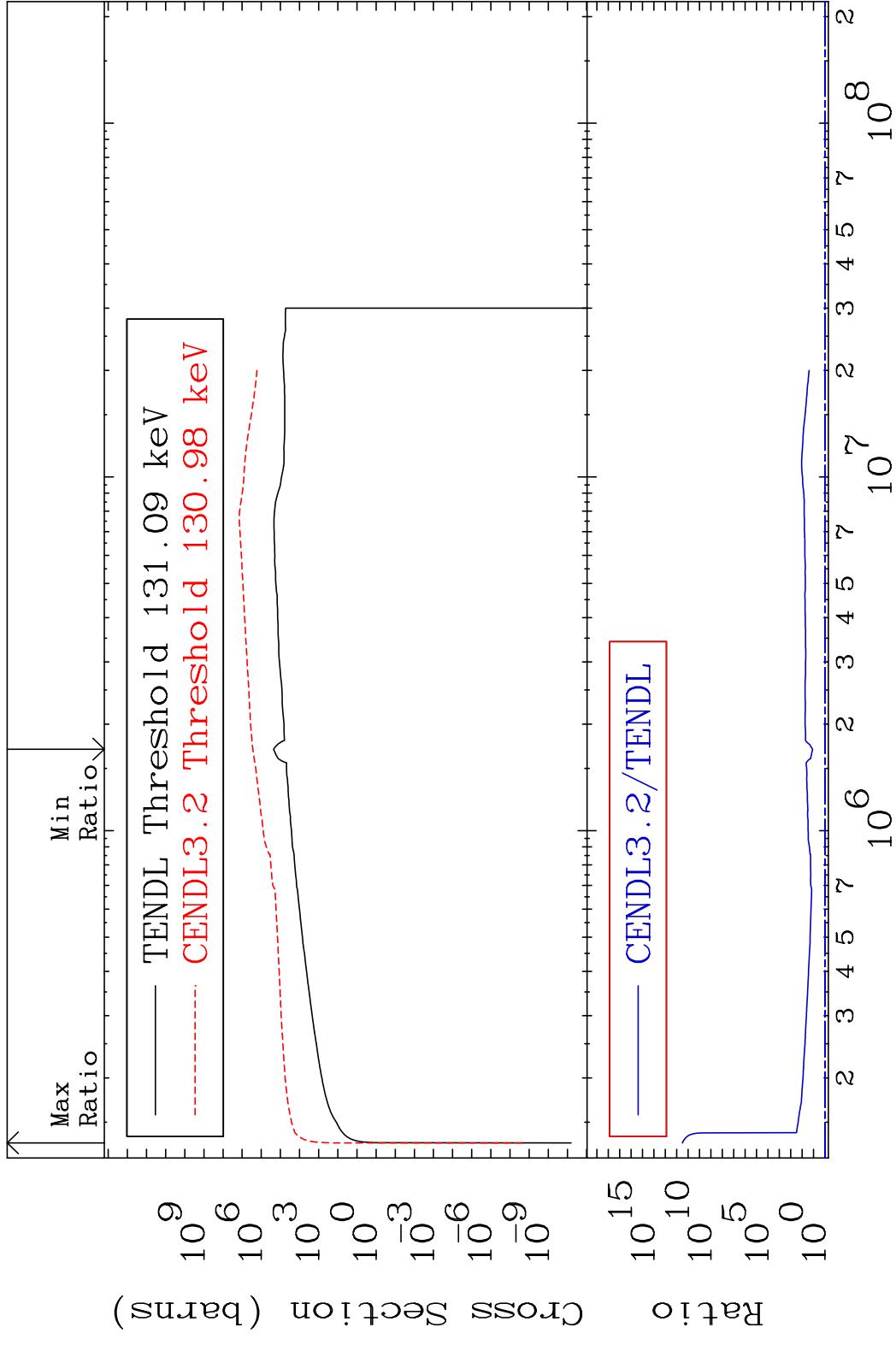
Incident Energy (eV)

60-Nd-150

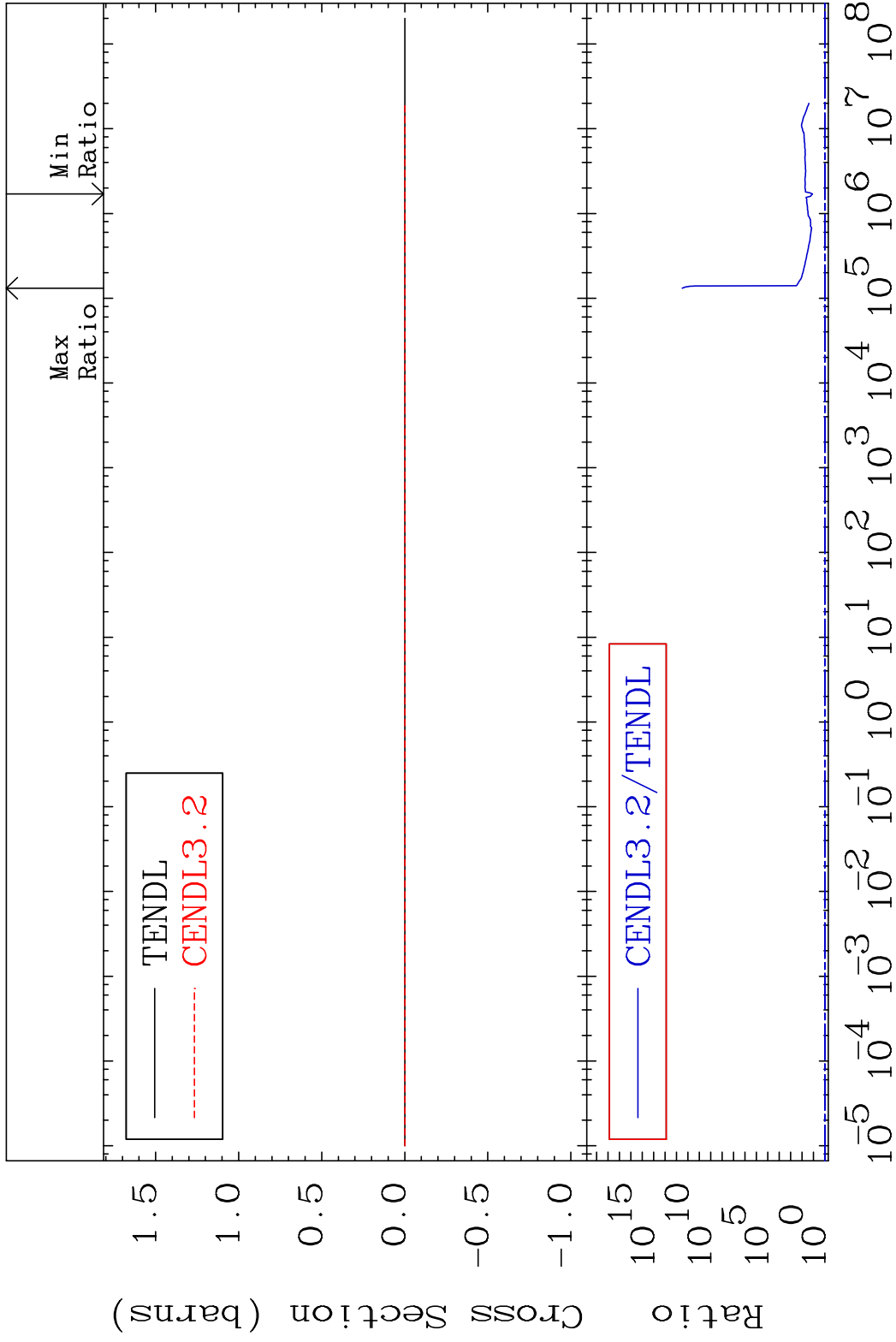
MAT 6049 Kerma non-elastic (all but mt2) 60-Nd-150
 Cross Section 1161. To 9999. %



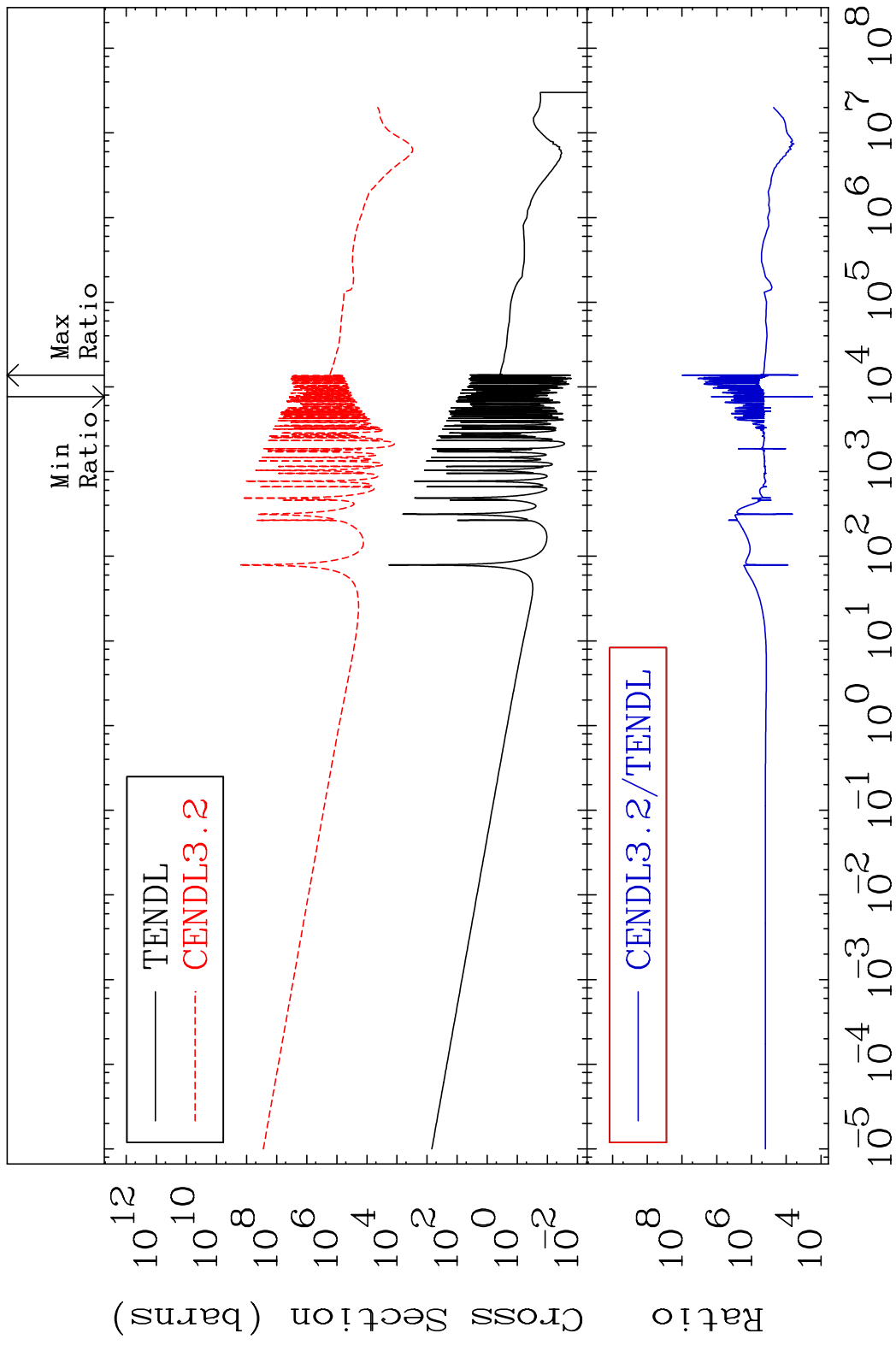
MAT 6049 Kerma inelastic (mt51-91) 60-Nd-150
 Cross Section 1117. To 9999. %



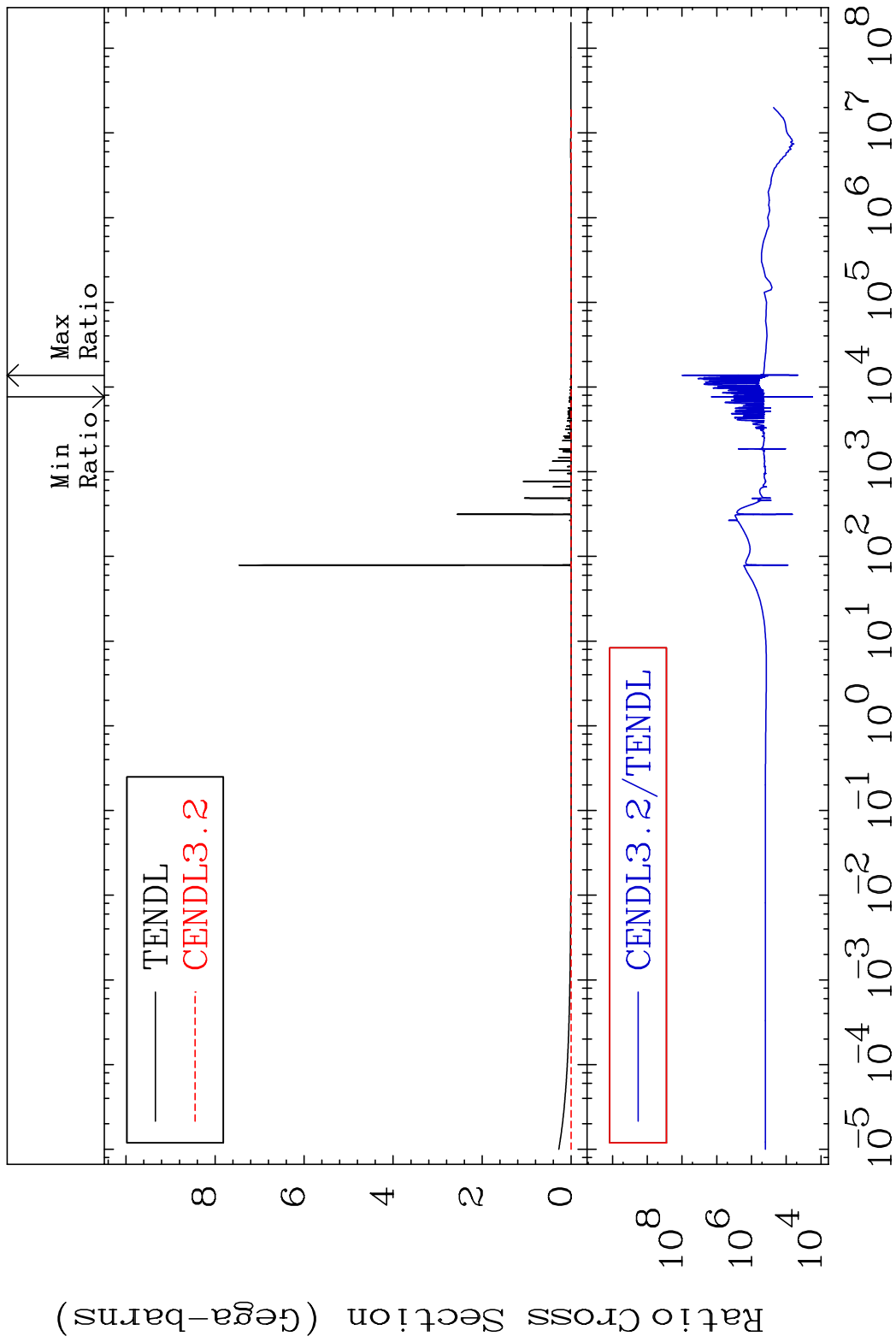
MAT 6049 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-150
 Cross Section 1117. To 9999. %



MAT 6049 Kerma capture (mt102) 60-Nd-150
 Cross Section 9999. To 9999. %

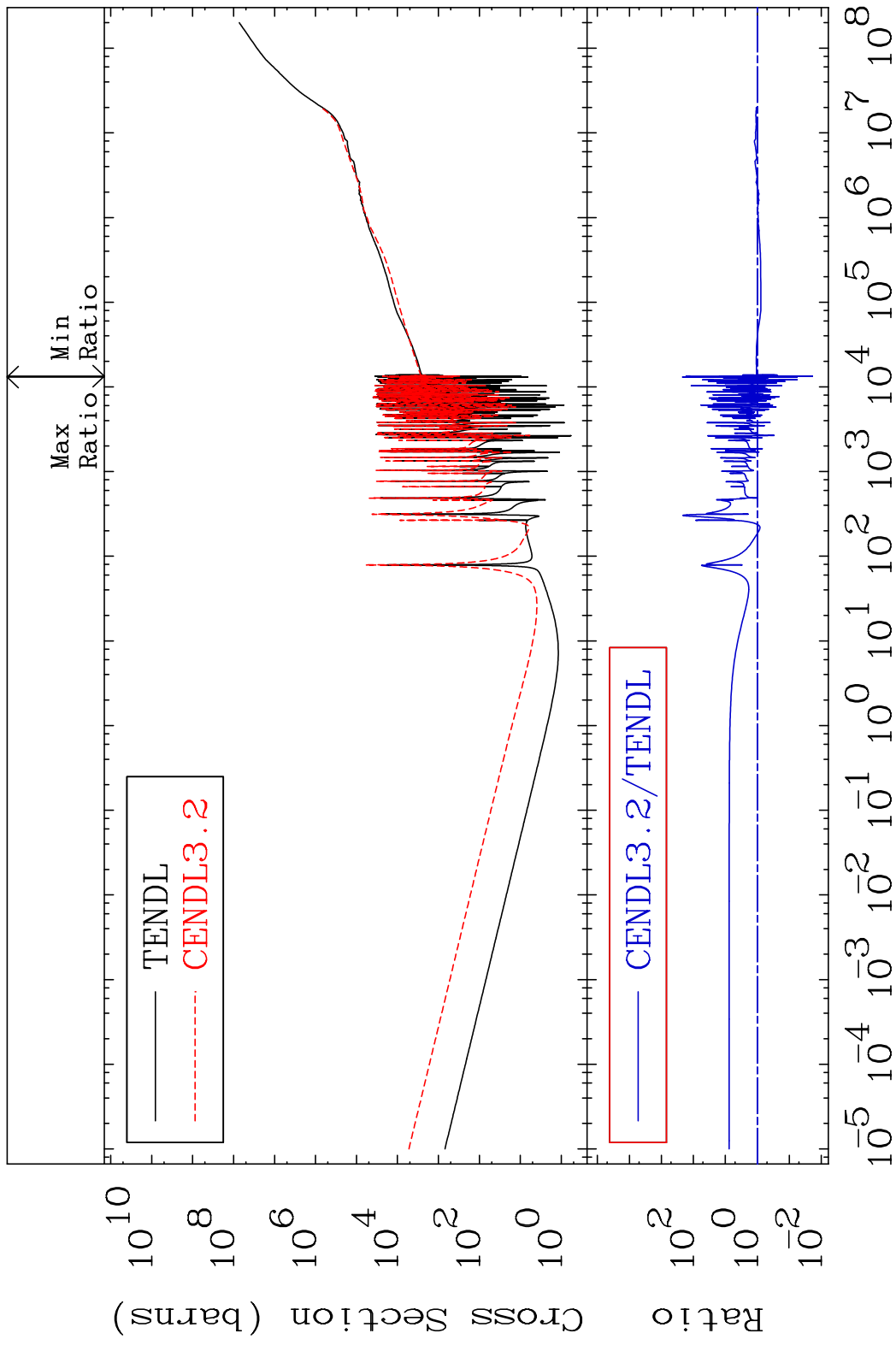


MAT 6049 Total photon (eV-barns) 60-Nd-150
 Cross Section 9999. To 9999. %

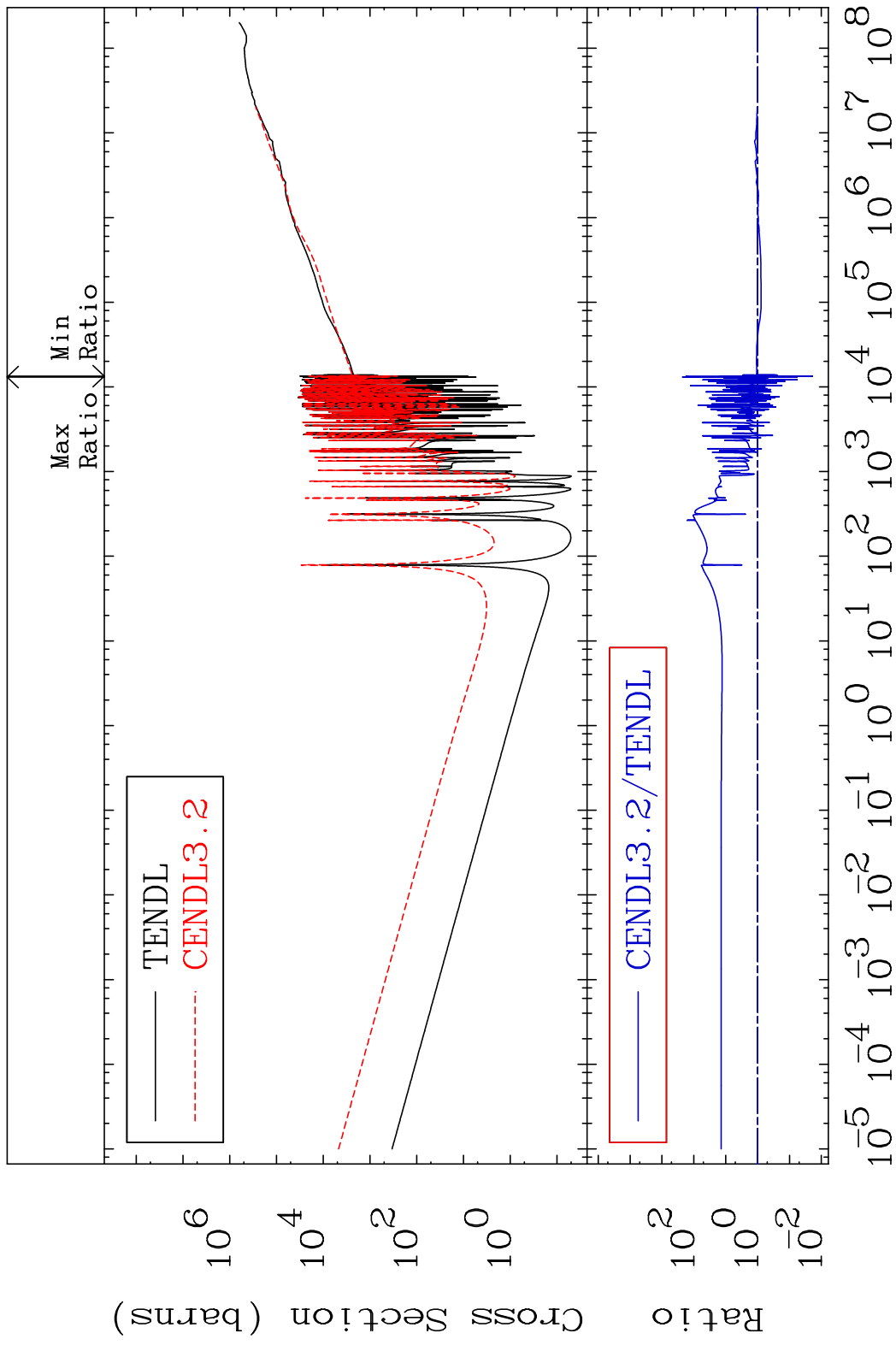


35 Incident Energy (eV) 60-Nd-150

MAT 6049 Total kinematic kerma (high limit) 60-Nd-150
 Cross Section -98.12 To 9999. %



MAT 6049 Dpa total (eV-barns) 60-Nd-150
 Cross Section -98.11 To 9999. %

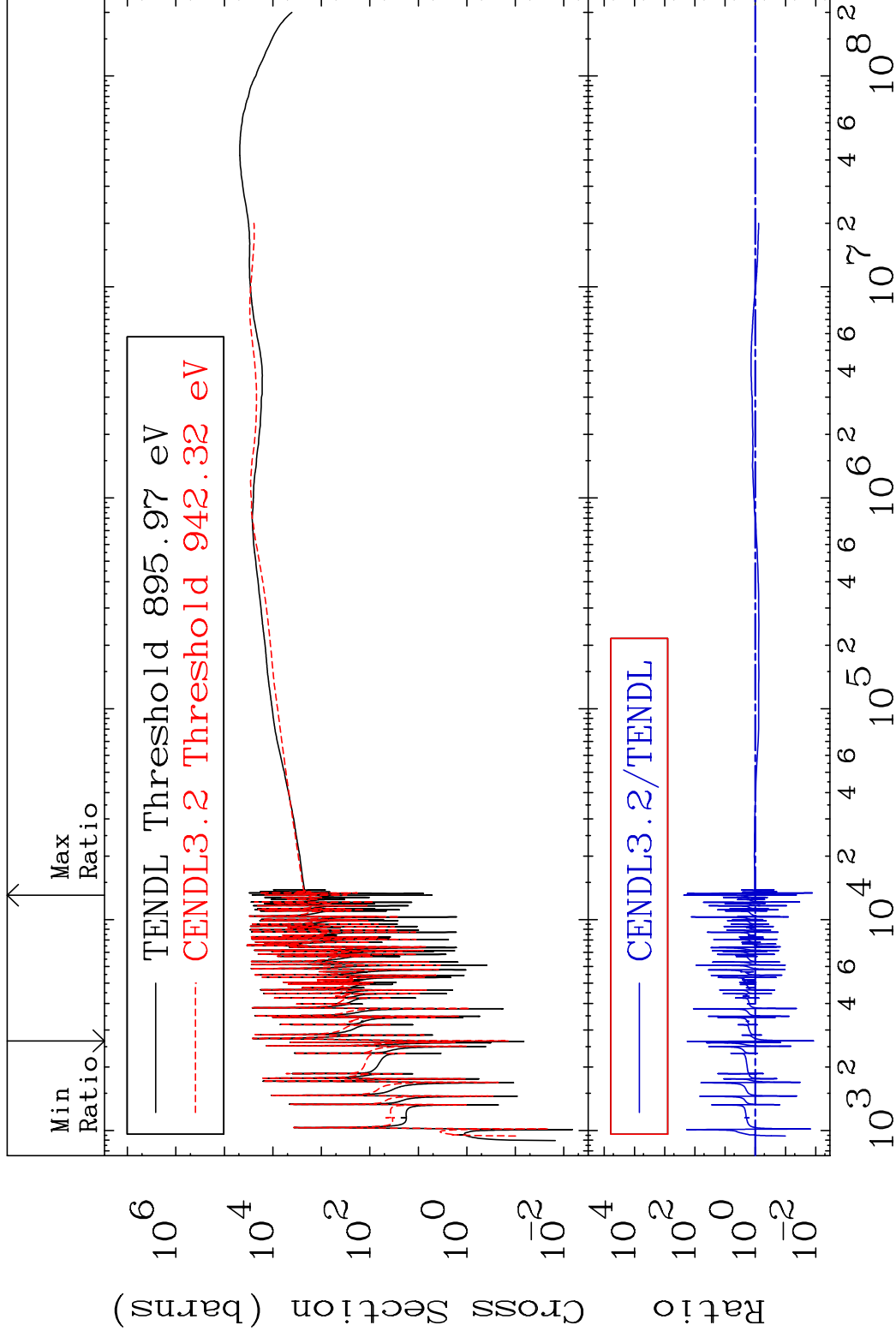


MAT 6049

Dpa elastic (mt2)

60-Nd-150

Cross Section -98.87 To 9999. %

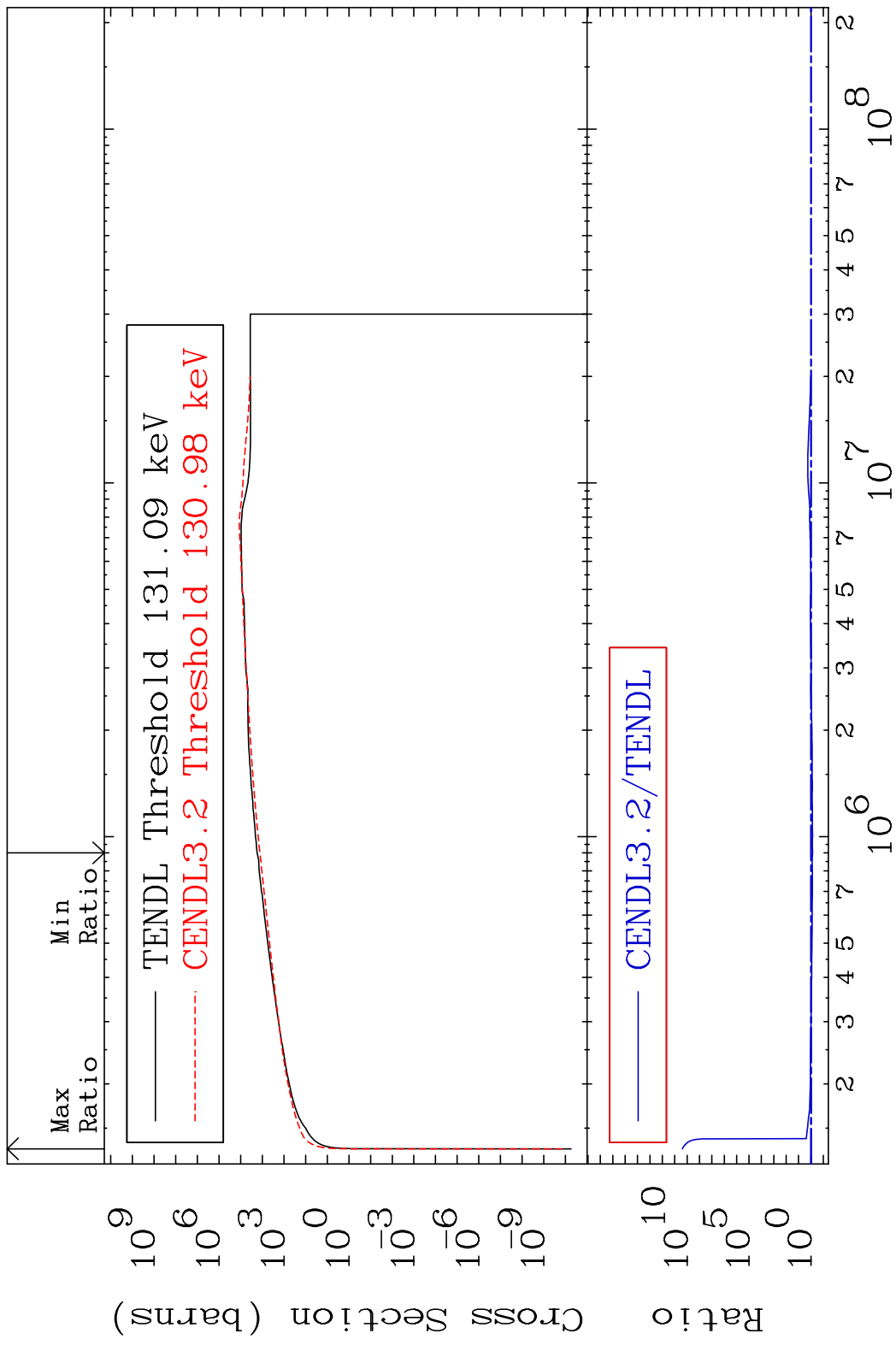


38

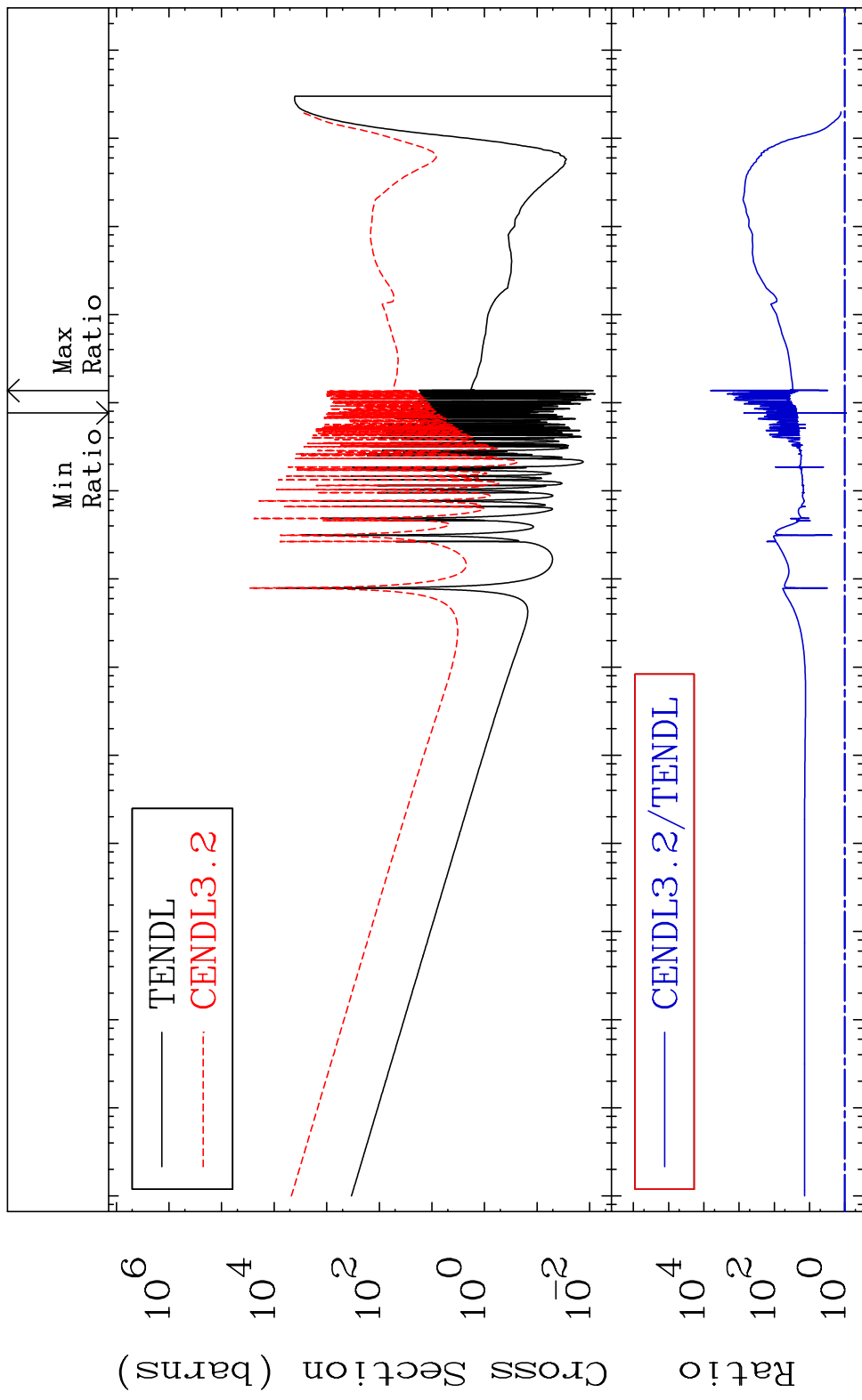
Incident Energy (eV)

60-Nd-150

MAT 6049 Dpa inelastic (mt51-91) 60-Nd-150
 Cross Section -25.97 To 9999. %



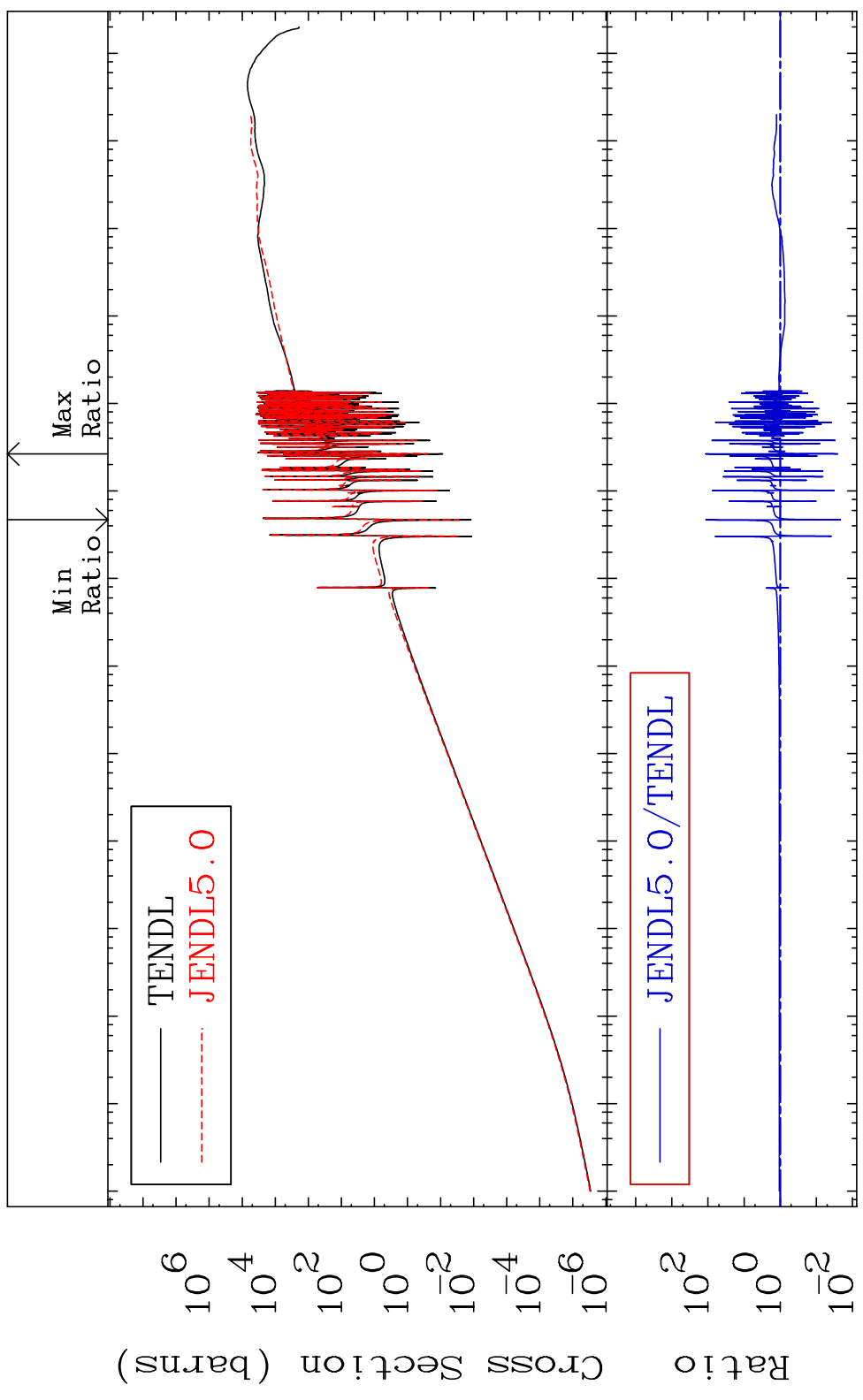
MAT 6049 Dpa disappearance (mt102 -120) 60-Nd-150
 Cross Section -9.675 To 9999. %



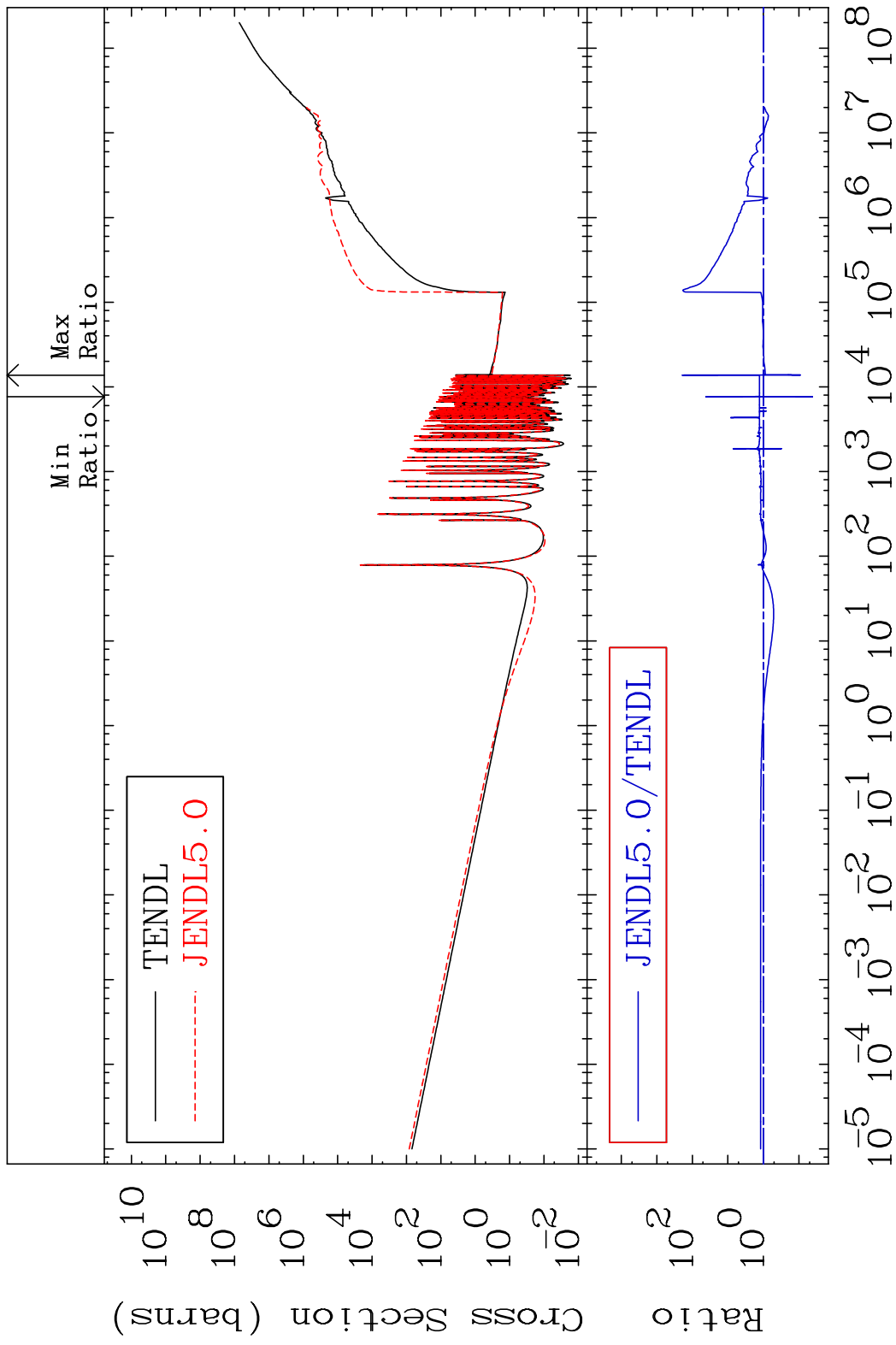
40 Incident Energy (eV) 60-Nd-150

MAT 6049

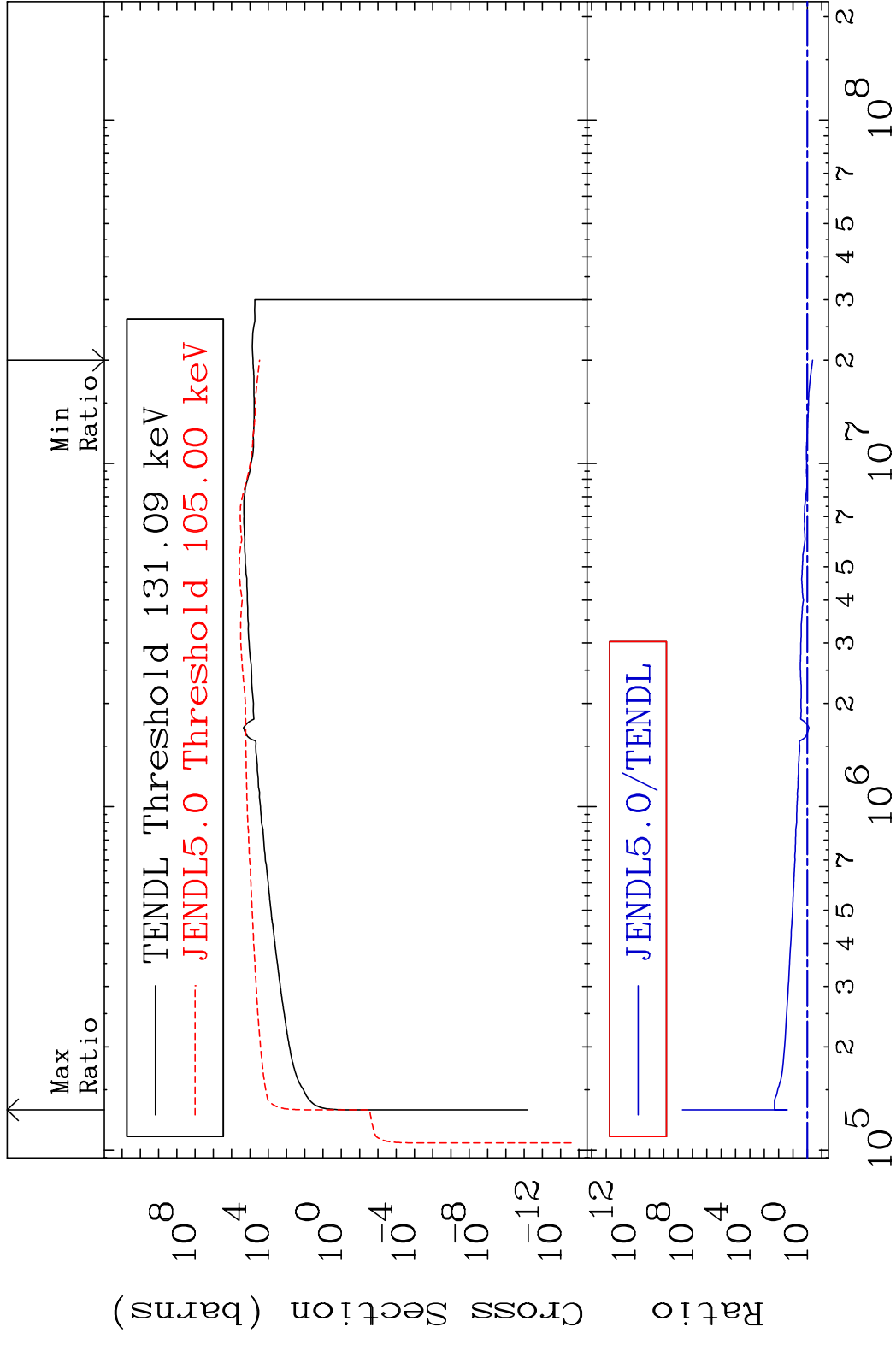
Kerma elastic Cross Section -97.85 To 9999. %
60-Nd-150



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

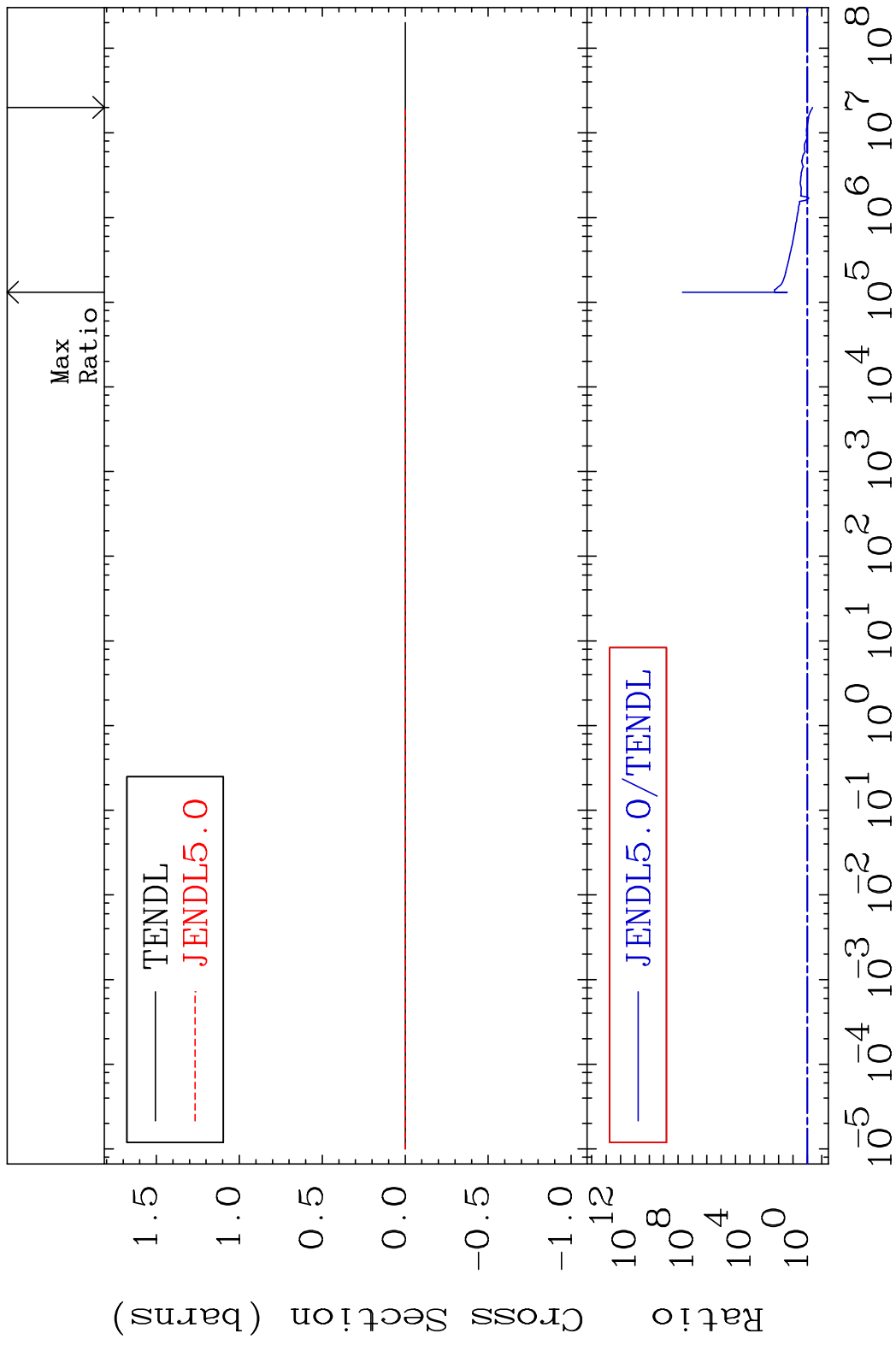


MAT 6049 Kerma inelastic (mt51-91) 60-Nd-150
 Cross Section -56.94 To 9999. %



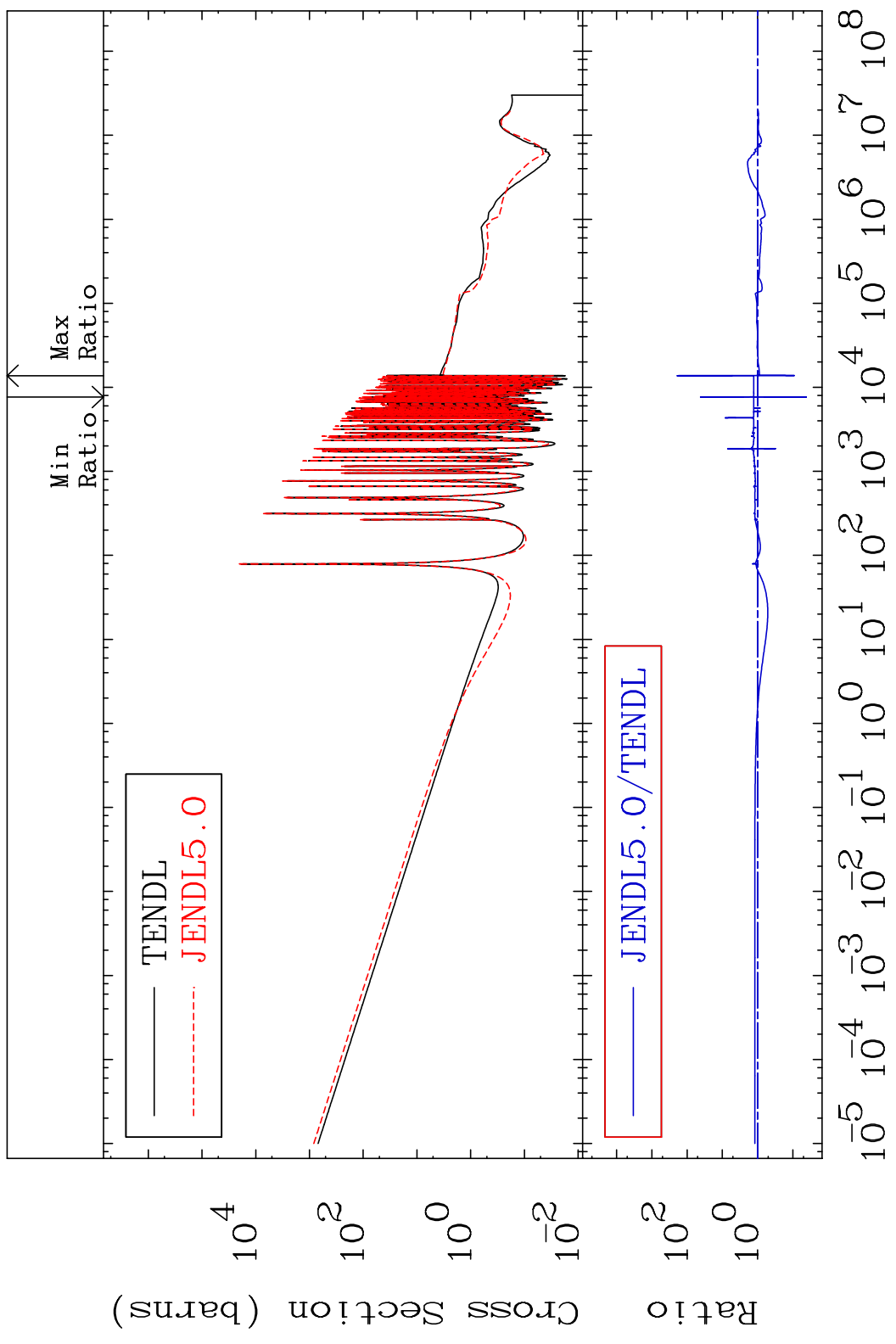
43 Incident Energy (eV) 60-Nd-150

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



MAT 6049

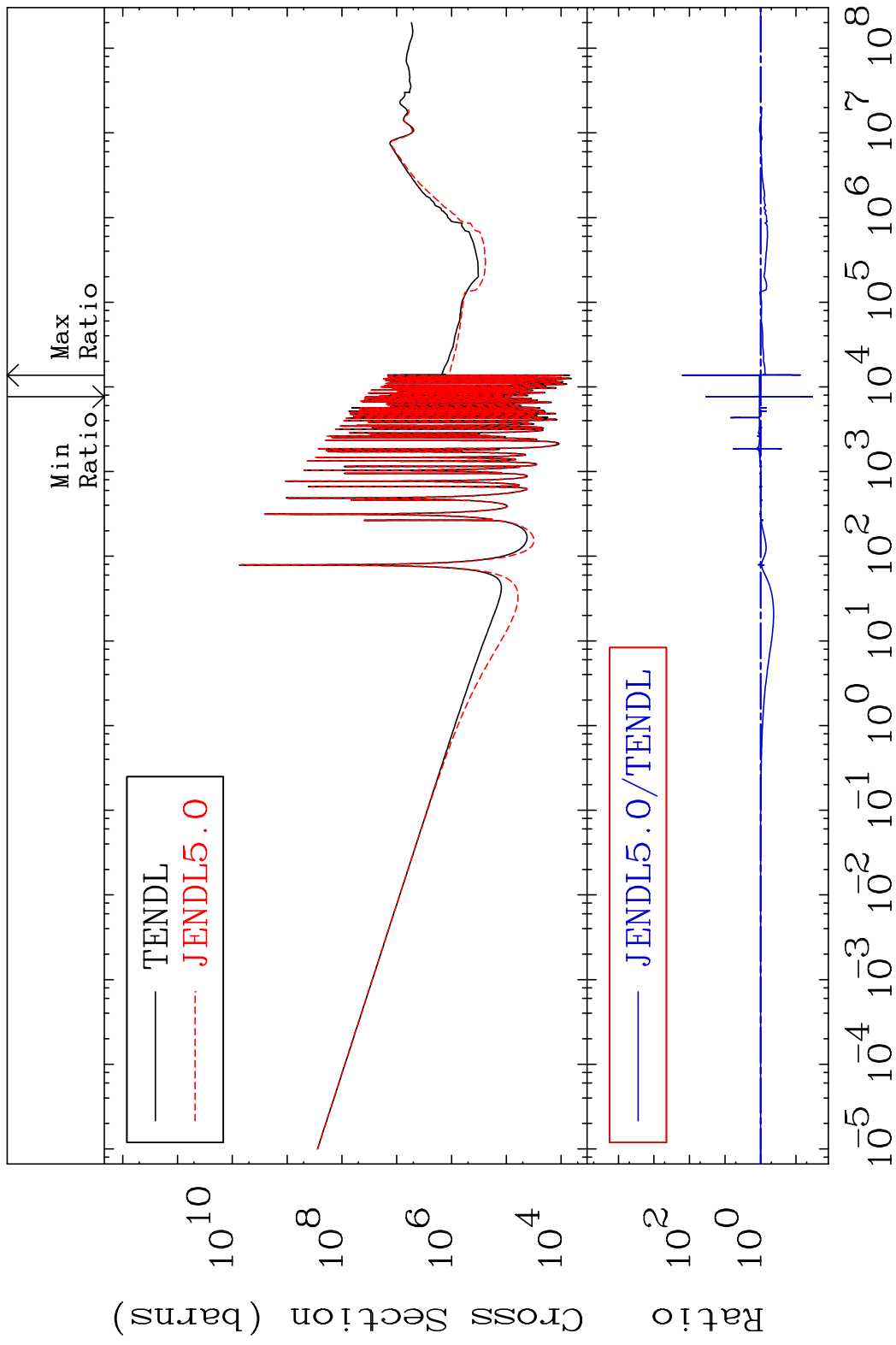
Kerma capture (mt102) 60-Nd-150
Cross Section -95.87 To 9999. %



45

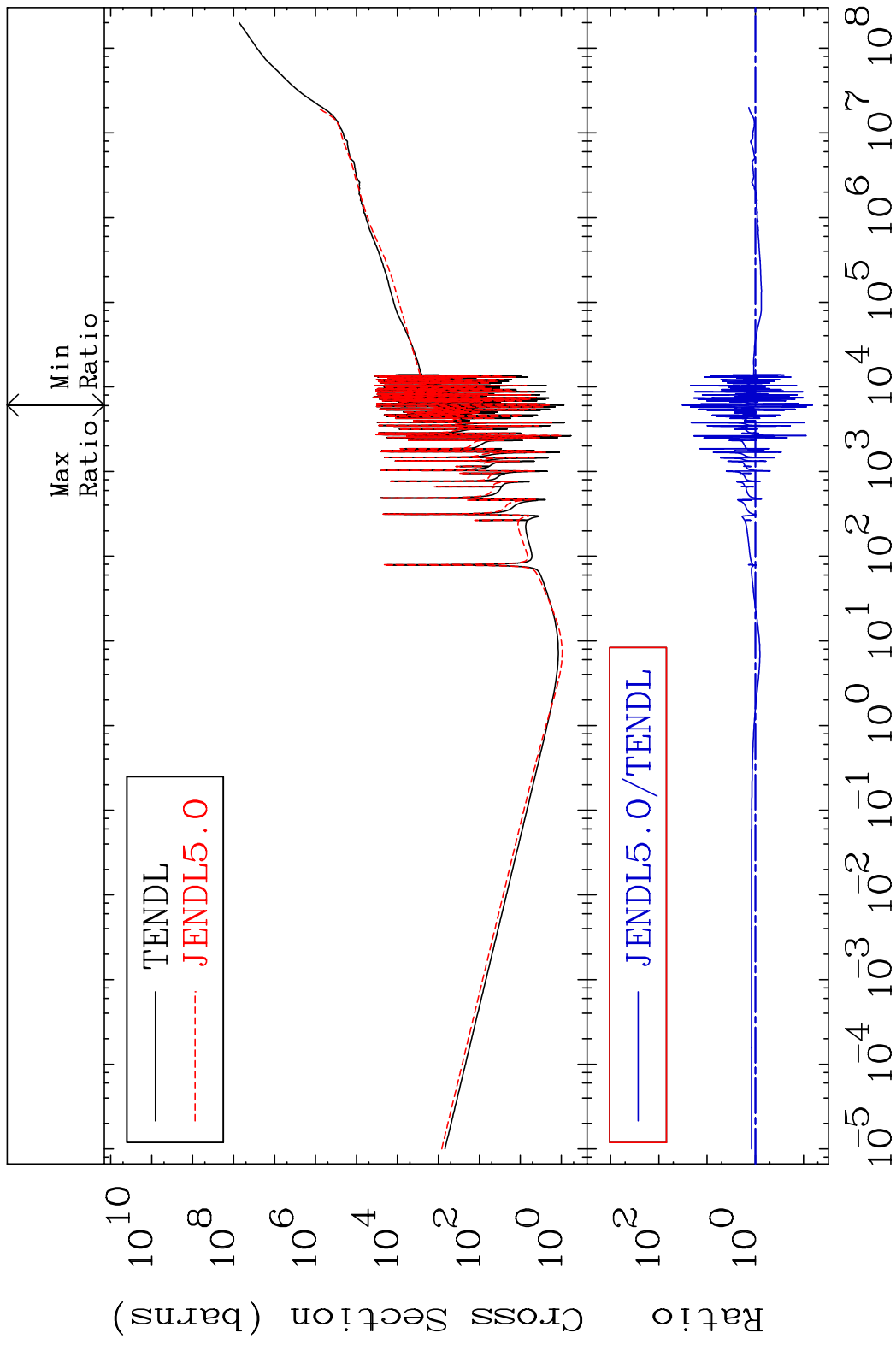
Incident Energy (eV) 60-Nd-150

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

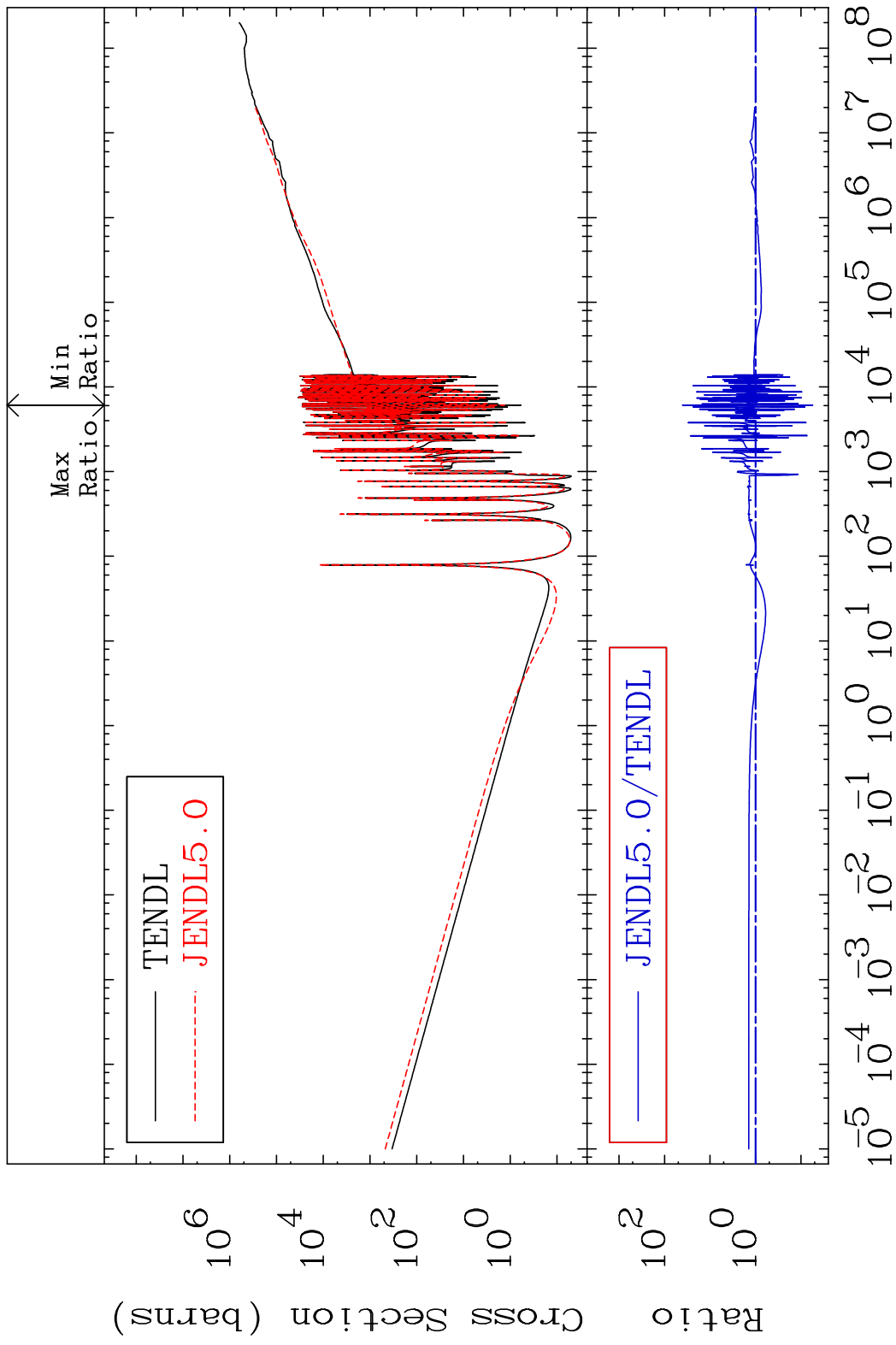


46 Incident Energy (eV) 60-Nd-150

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. %

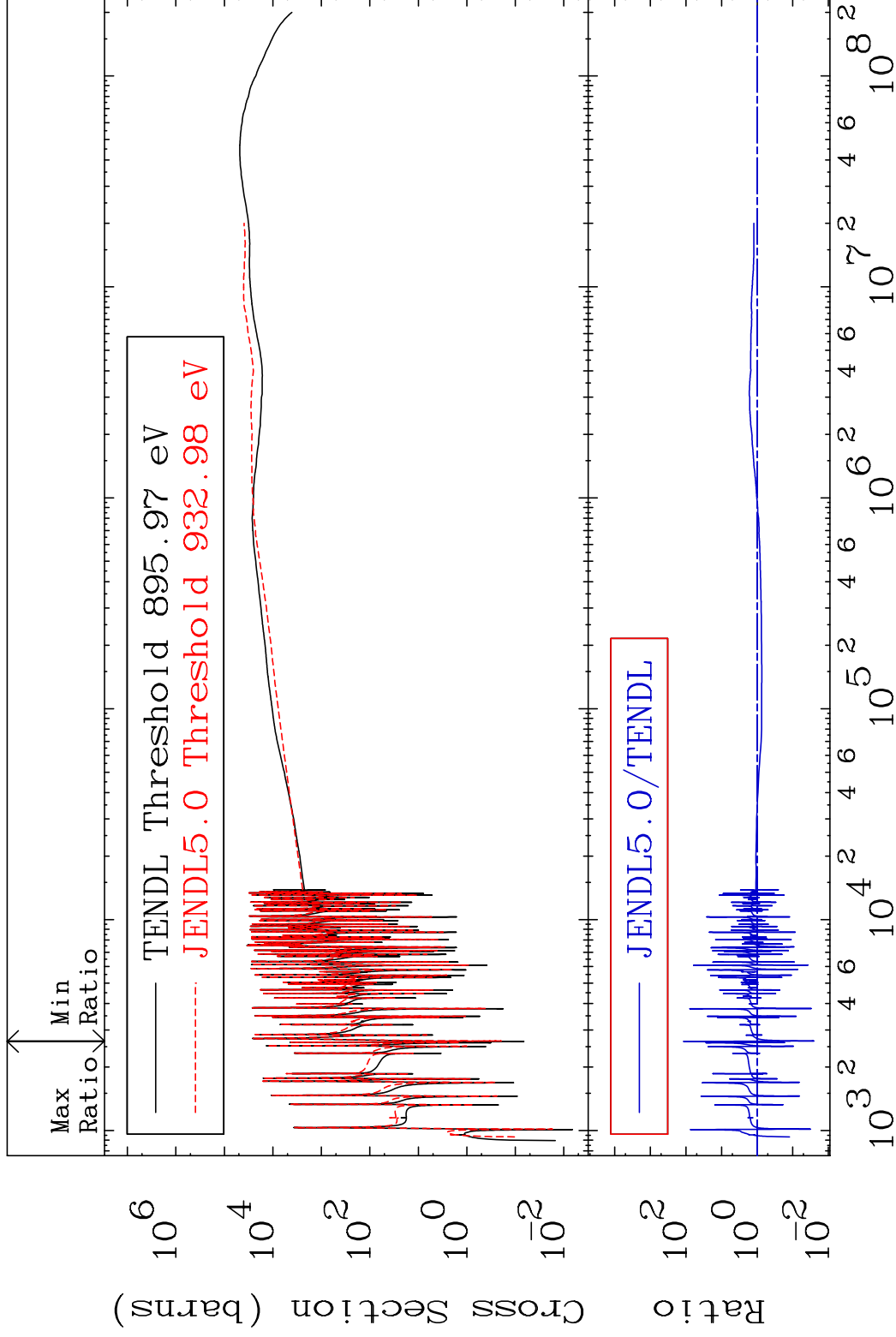


MAT 6049

Dpa elastic (mt2)

60-Nd-150

Cross Section -97.49 To 9999. %

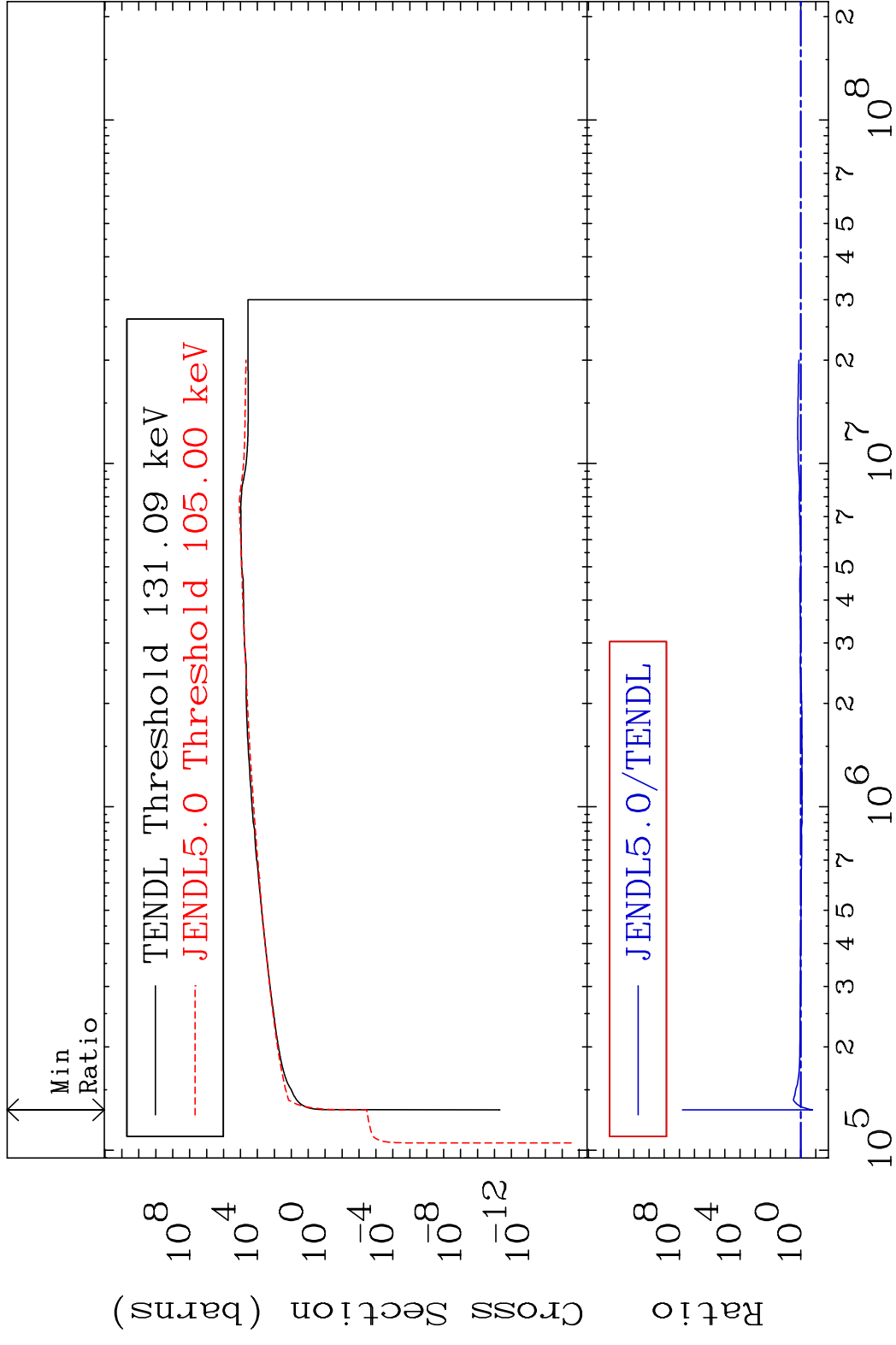


49

Incident Energy (eV)

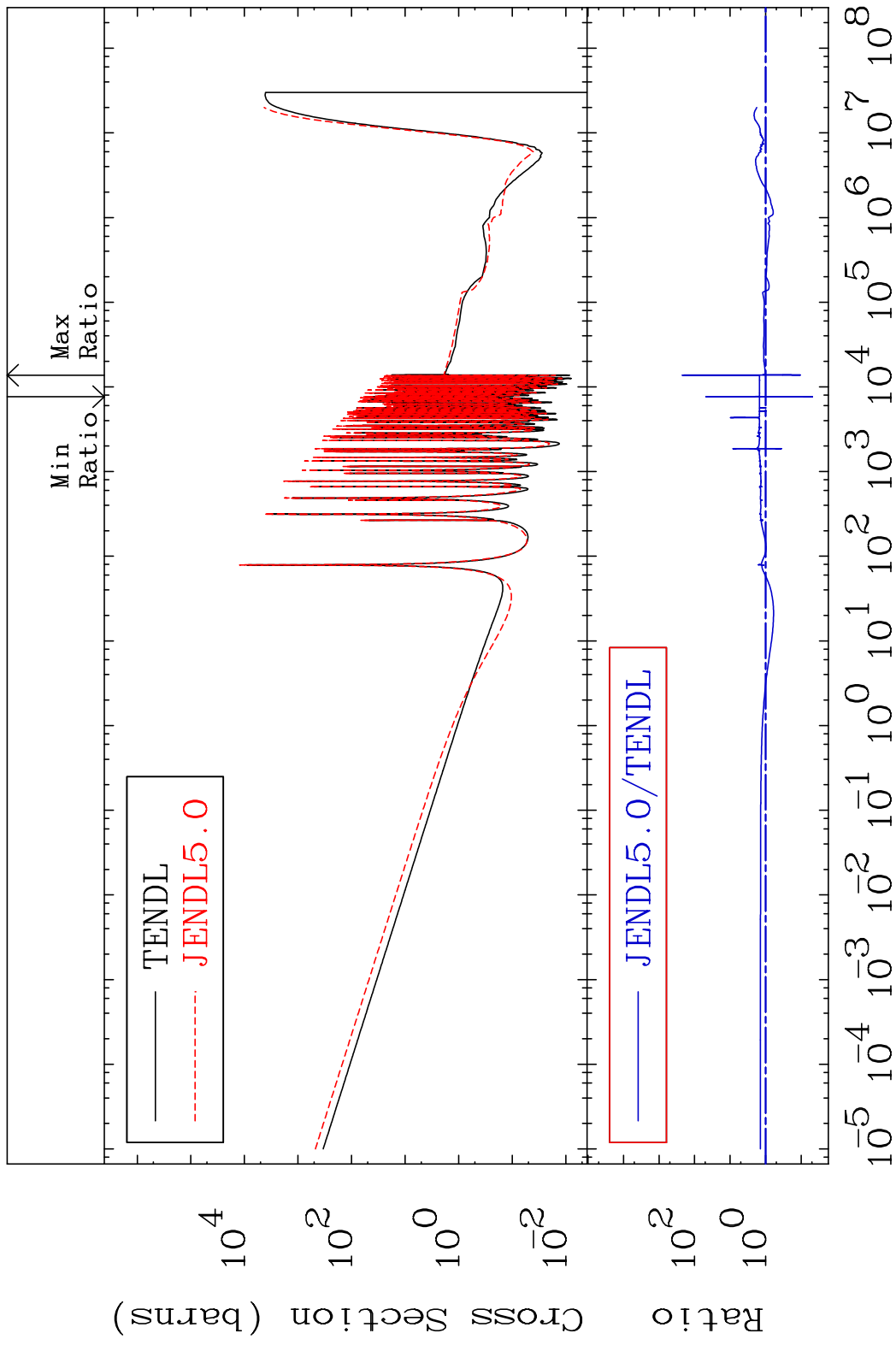
60-Nd-150

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. %

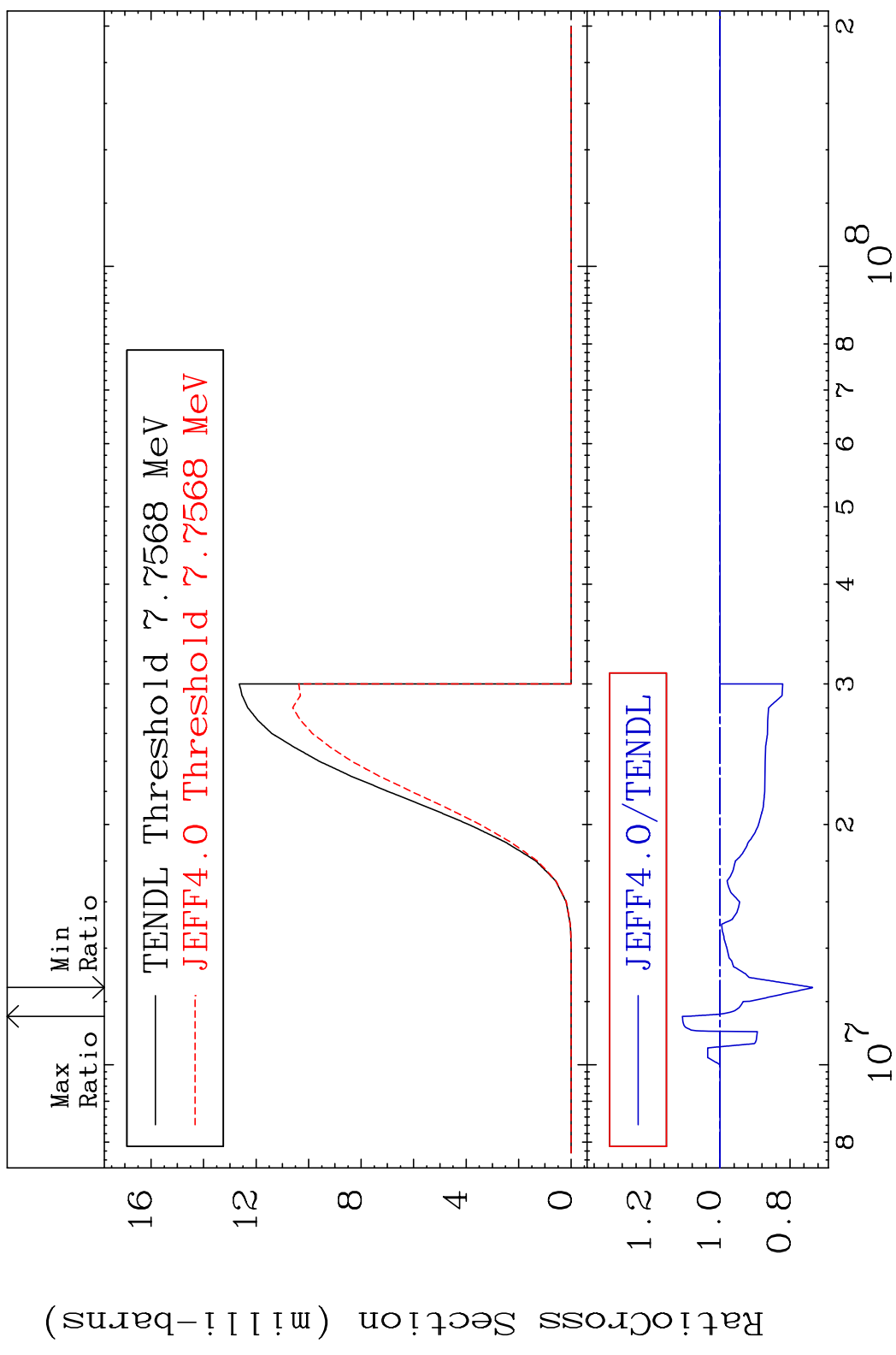


MAT 6049

(n,d)

60-Nd-150

Cross Section -26.45 To 10.79 %

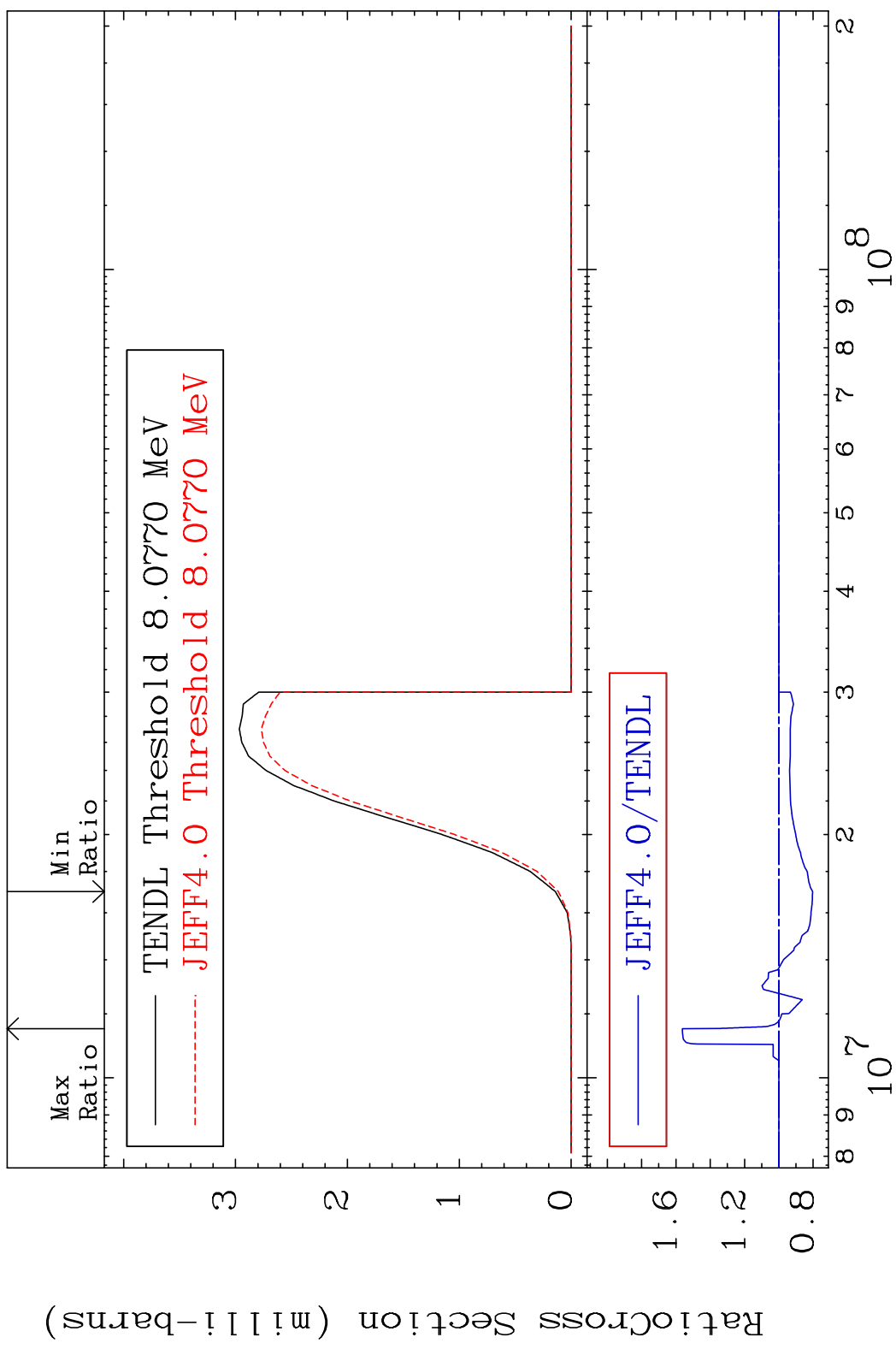


MAT 6049

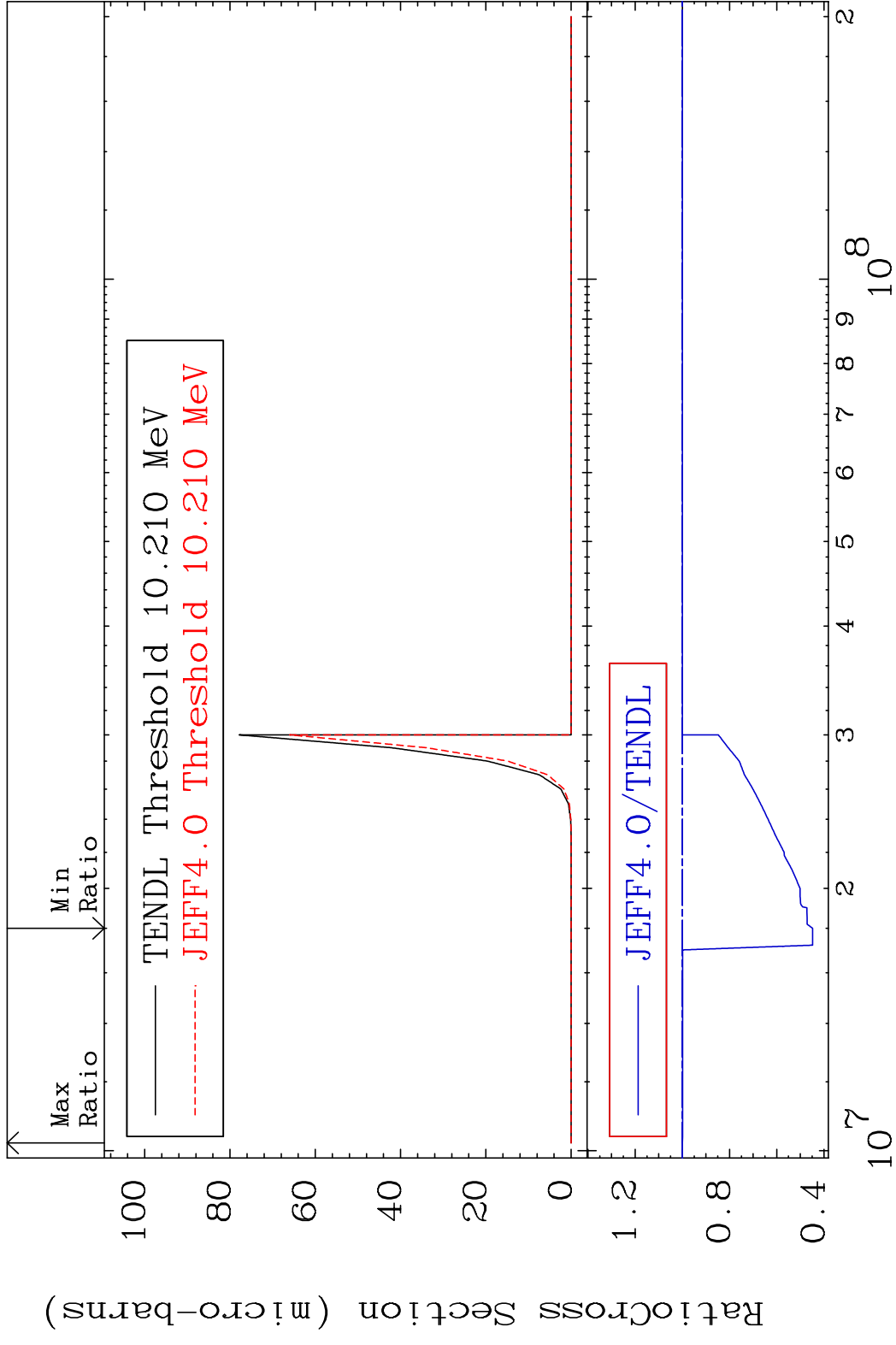
(n, t)

60-Nd-150

Cross Section -19.65 To 56.25 %



MAT 6049 (n, He-3) 60-Nd-150
 Cross Section -55.18 To 0.000 %

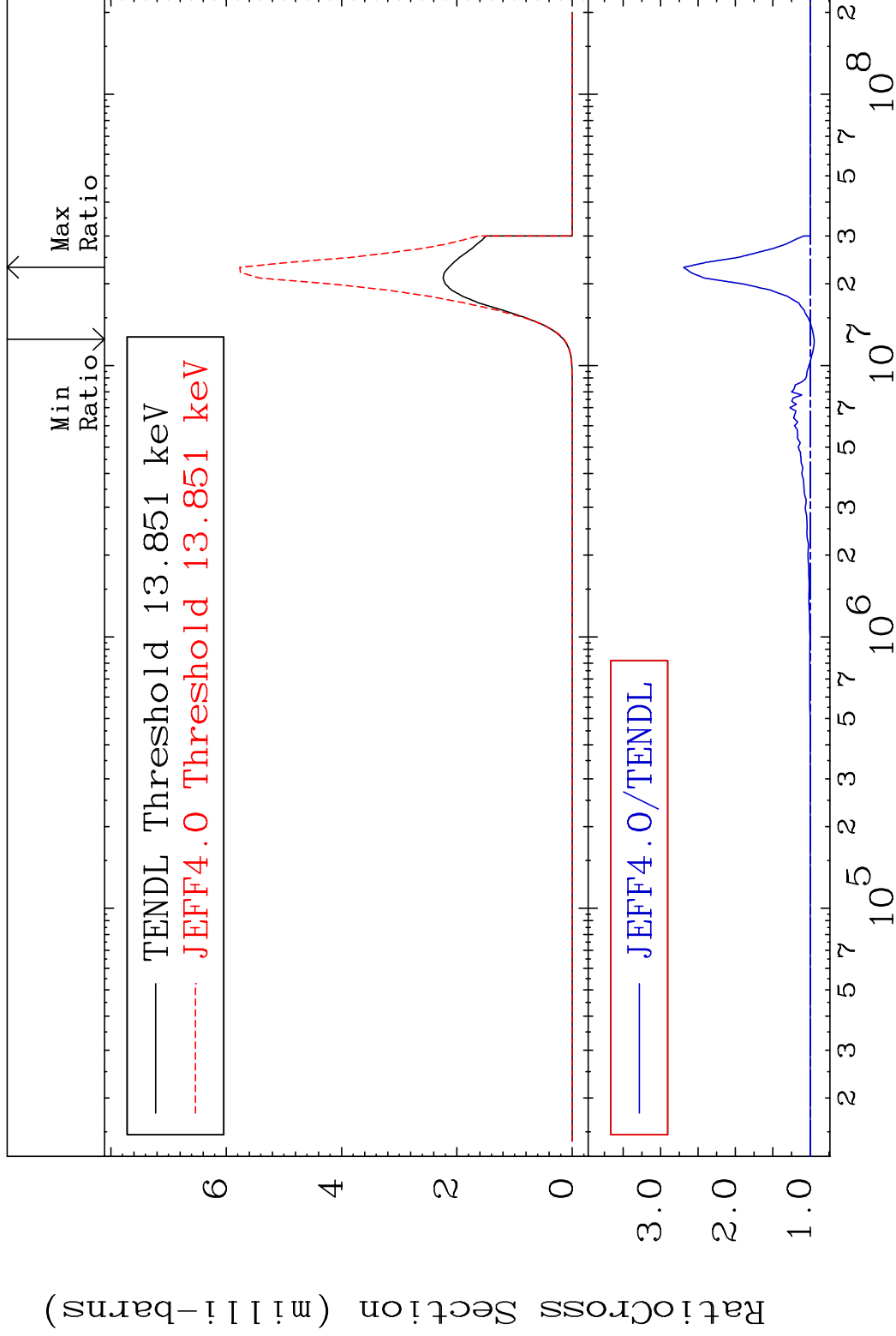


MAT 6049

(n, α)

60-Nd-150

Cross Section -5.125 To 169.1 %



55

Incident Energy (eV)

60-Nd-150

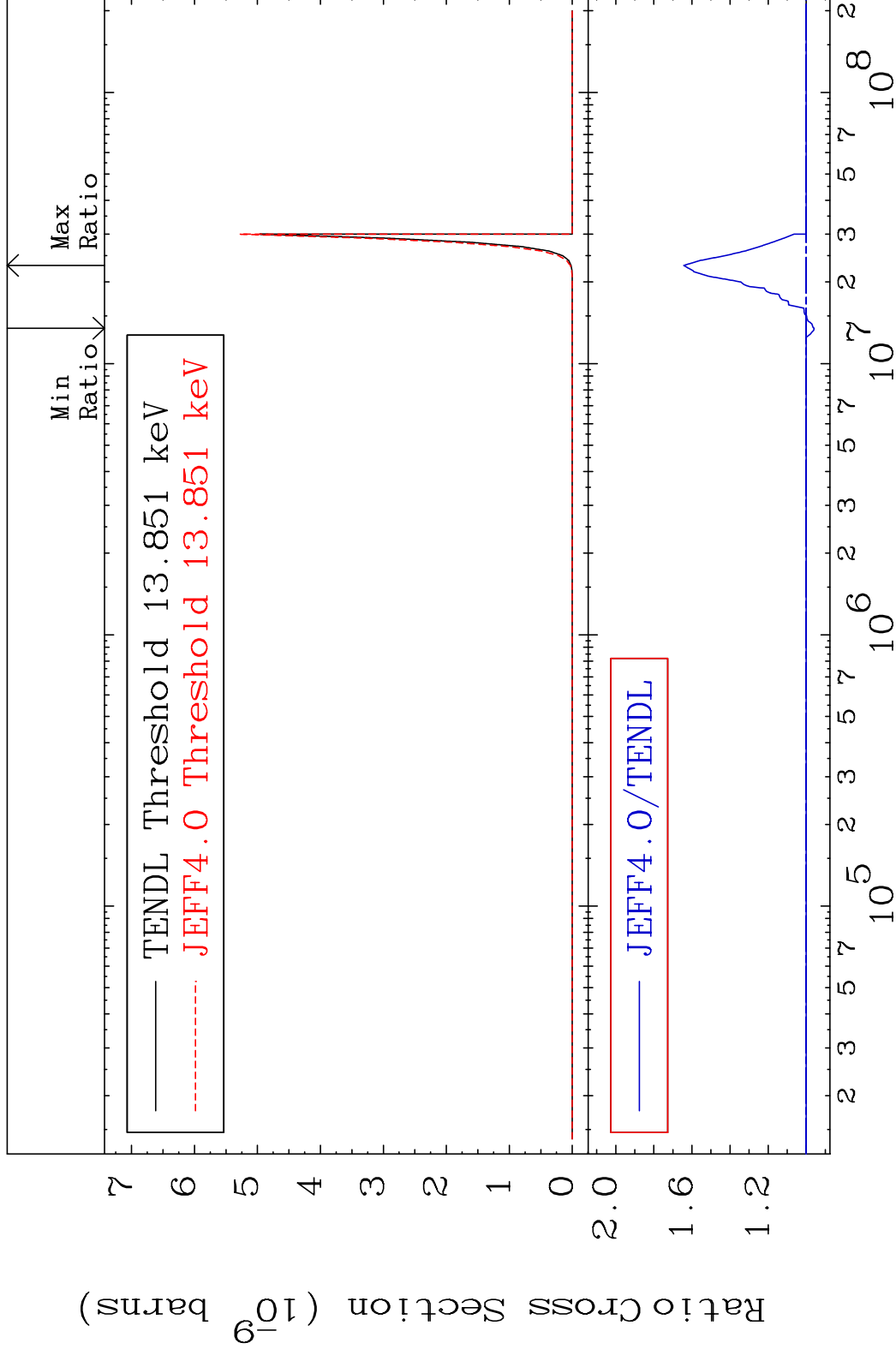
MAT 6049

(n, 2α)

60-Nd-150

Cross Section

-4.139 To 64.35 %



56

Incident Energy (eV)

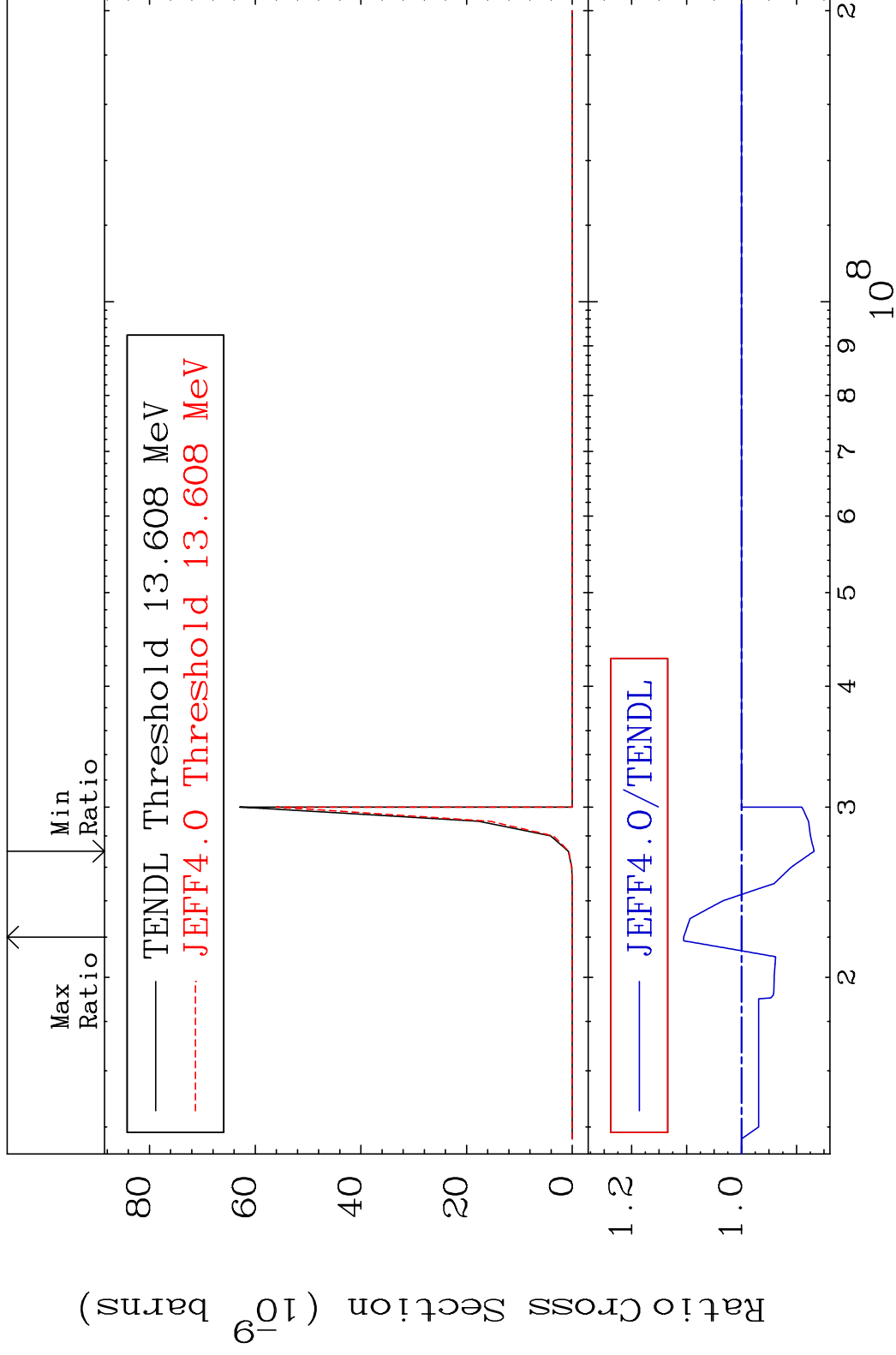
60-Nd-150

MAT 6049

(n,2p)

60-Nd-150

Cross Section -13.20 To 10.53 %



57

Incident Energy (eV)

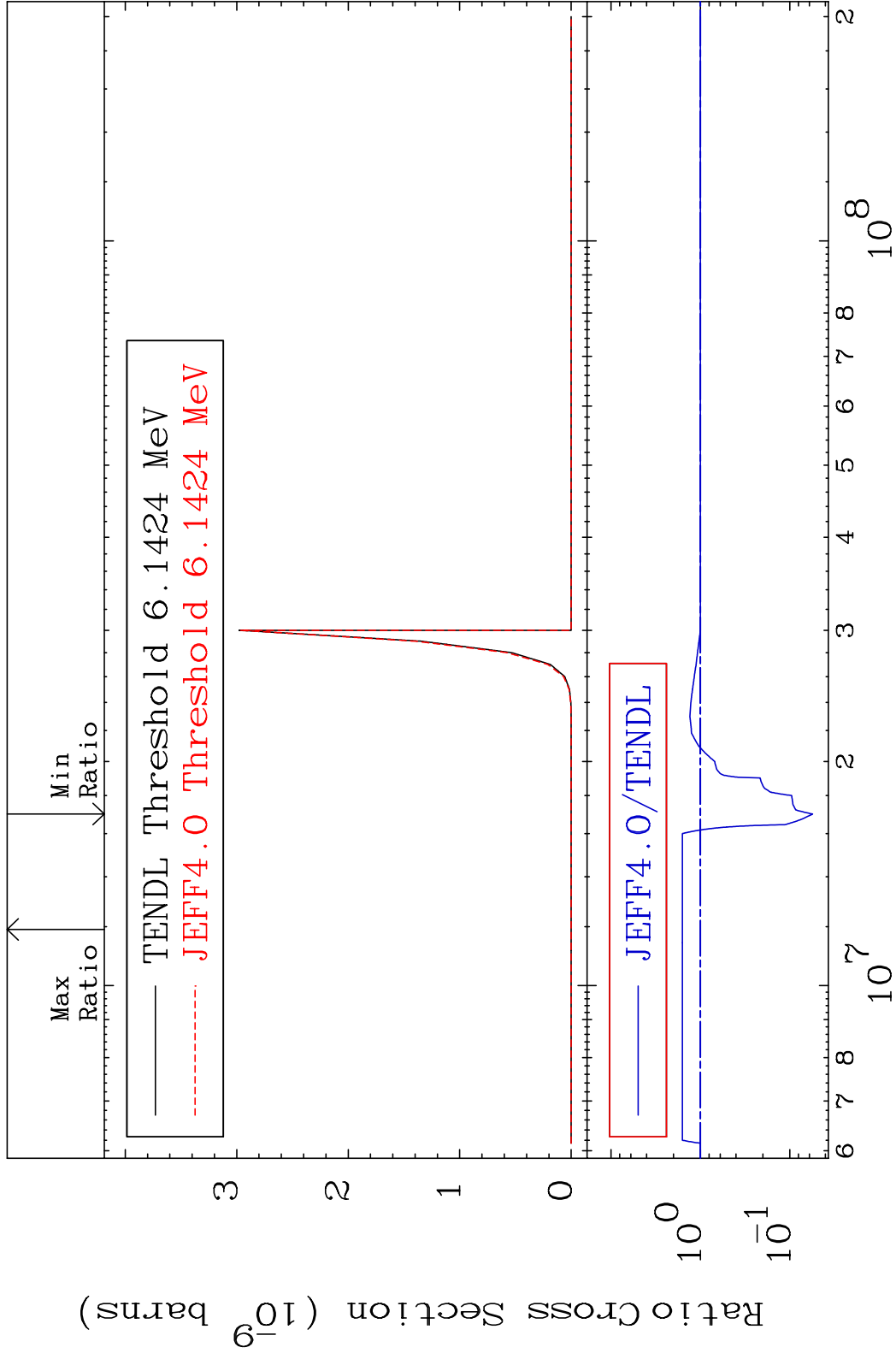
60-Nd-150

MAT 6049

(n,p) α

60-Nd-150

Cross Section -94.45 To 58.78 %



58

Incident Energy (eV)

60-Nd-150

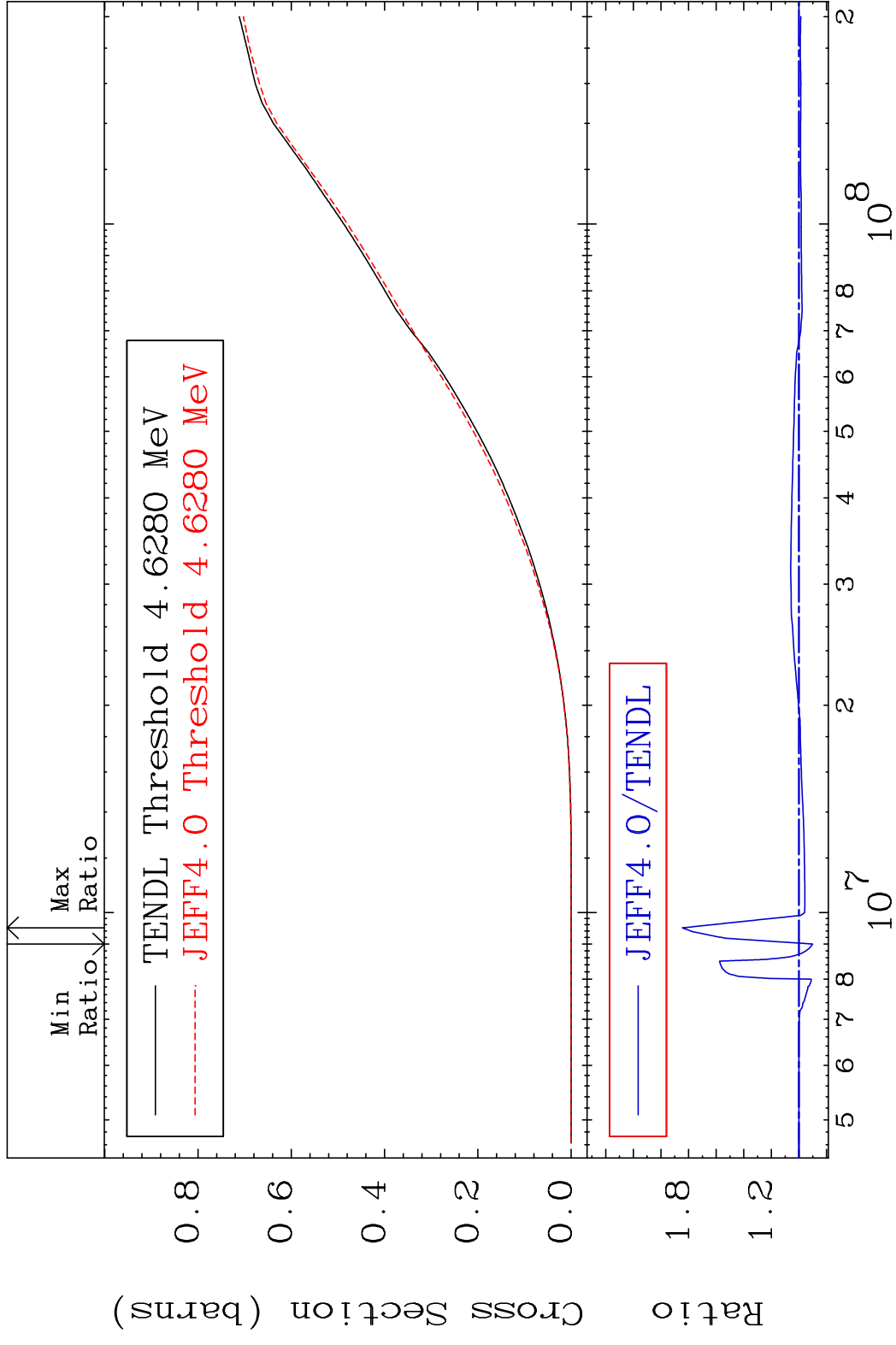
MAT 6049

Hydrogen Production

60-Nd-150

Cross Section

-9.807 To 84.49 %



59

Incident Energy (eV)

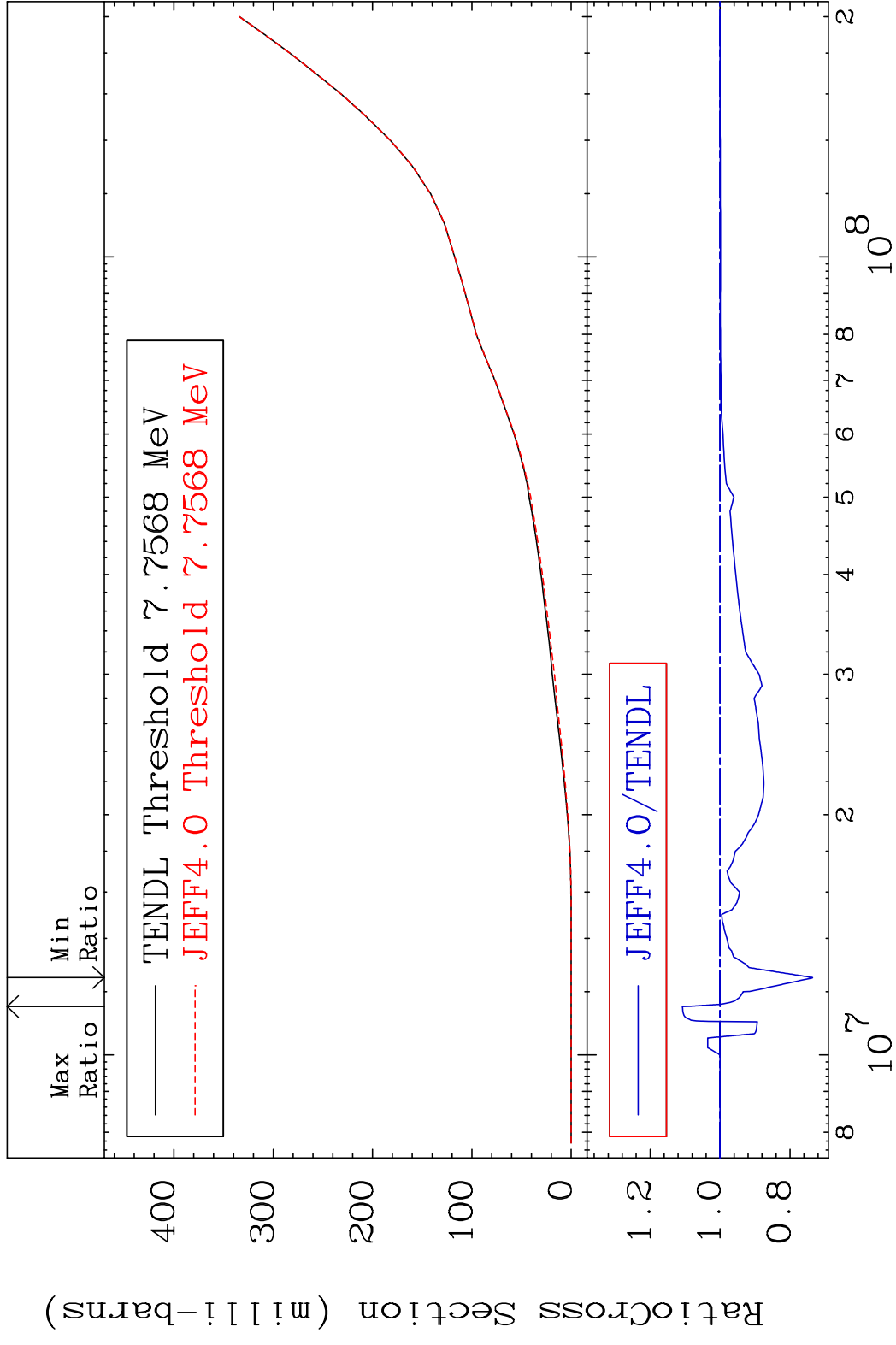
60-Nd-150

MAT 6049

Deuterium Production

60-Nd-150

Cross Section -26.45 To 10.79 %



60

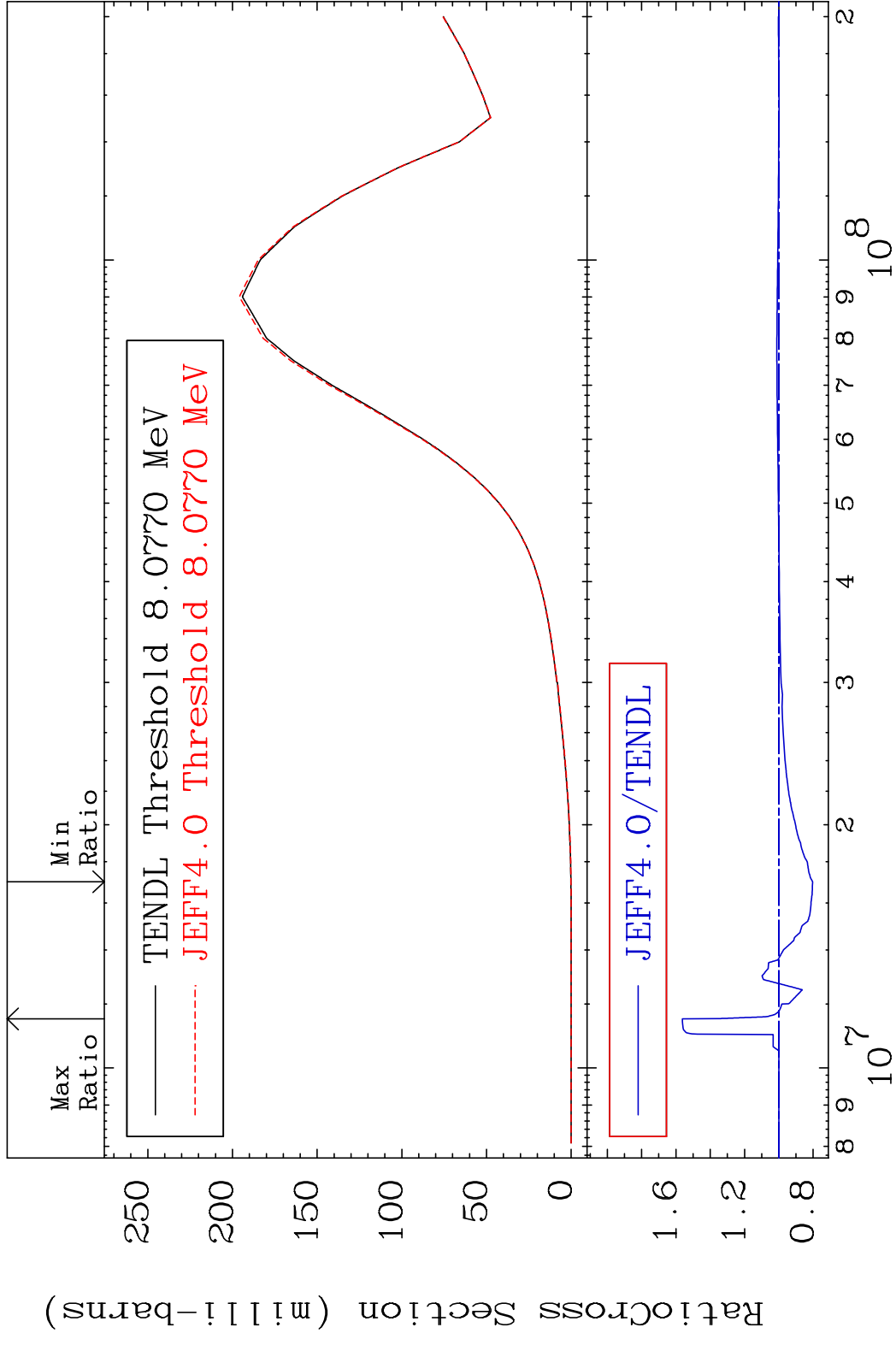
Incident Energy (eV)

60-Nd-150

MAT 6049

Tritium Production
Cross Section -19.65 To 56.25 %

60-Nd-150



61

Incident Energy (eV)

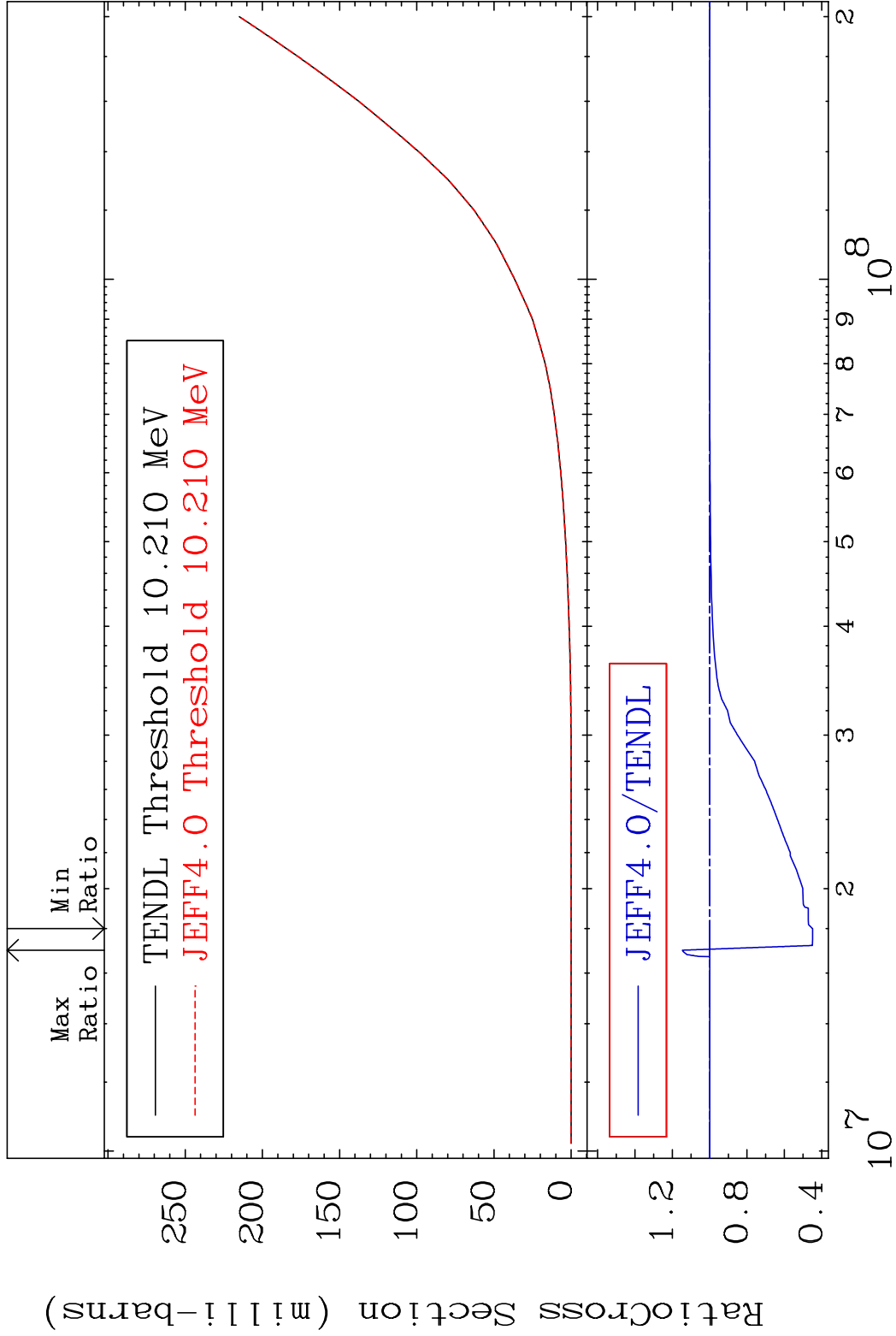
60-Nd-150

MAT 6049

He-3 Production

60-Nd-150

Cross Section -55.09 To 14.63 %



62

Incident Energy (eV)

60-Nd-150

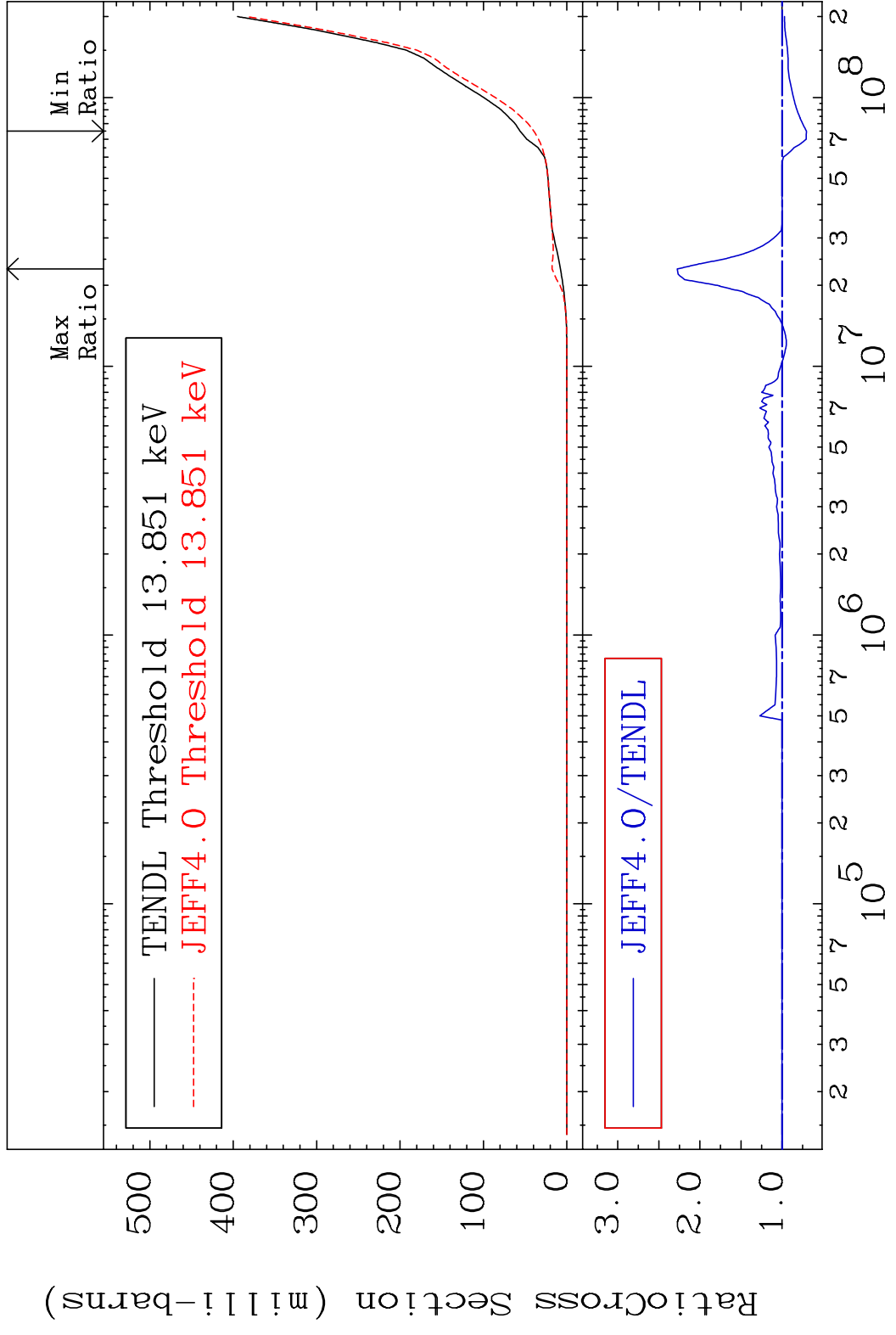
MAT 6049

He-4 Production

60-Nd-150

Cross Section

-29.55 To 127.7 %

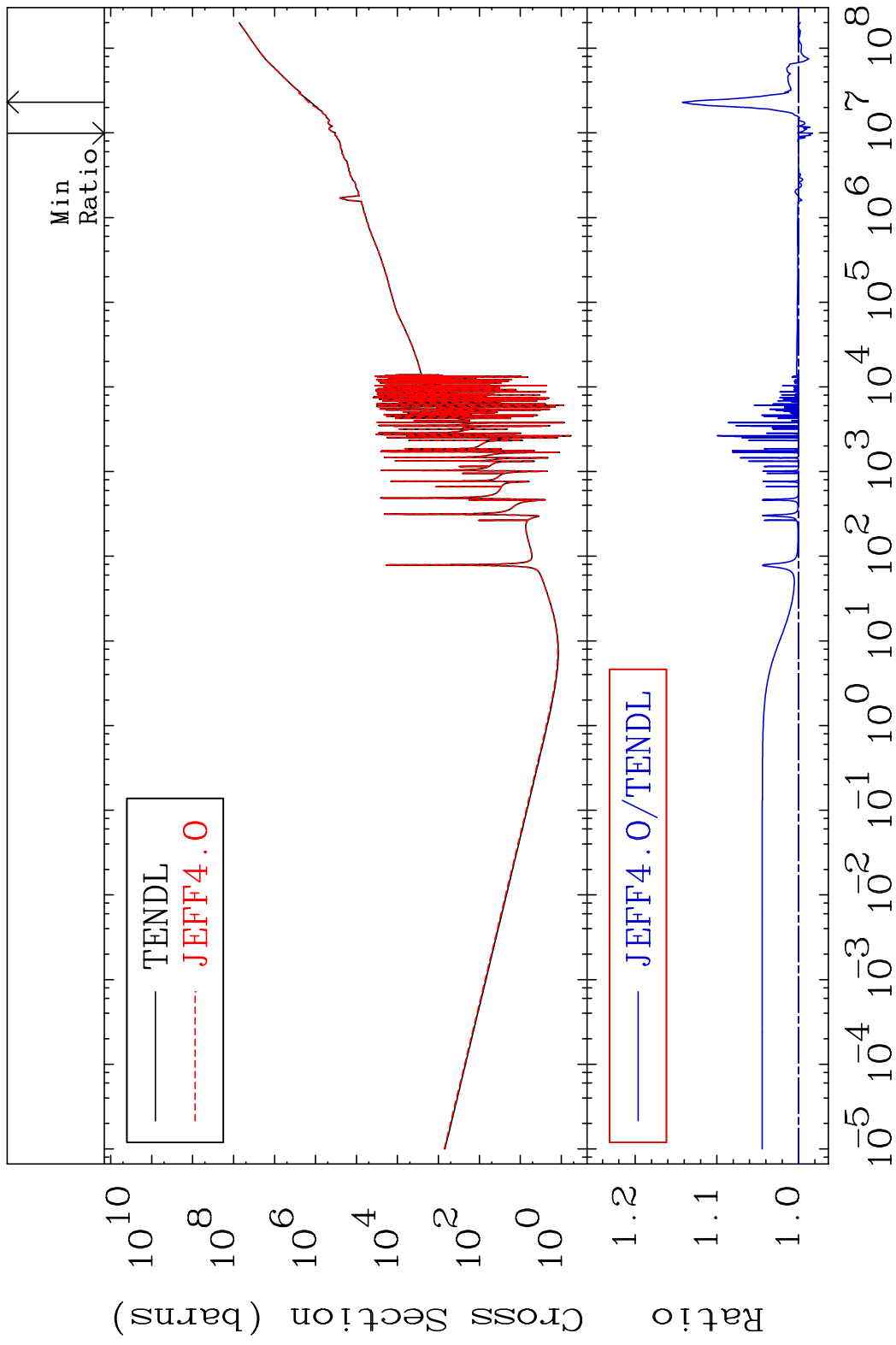


63

Incident Energy (eV)

60-Nd-150

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

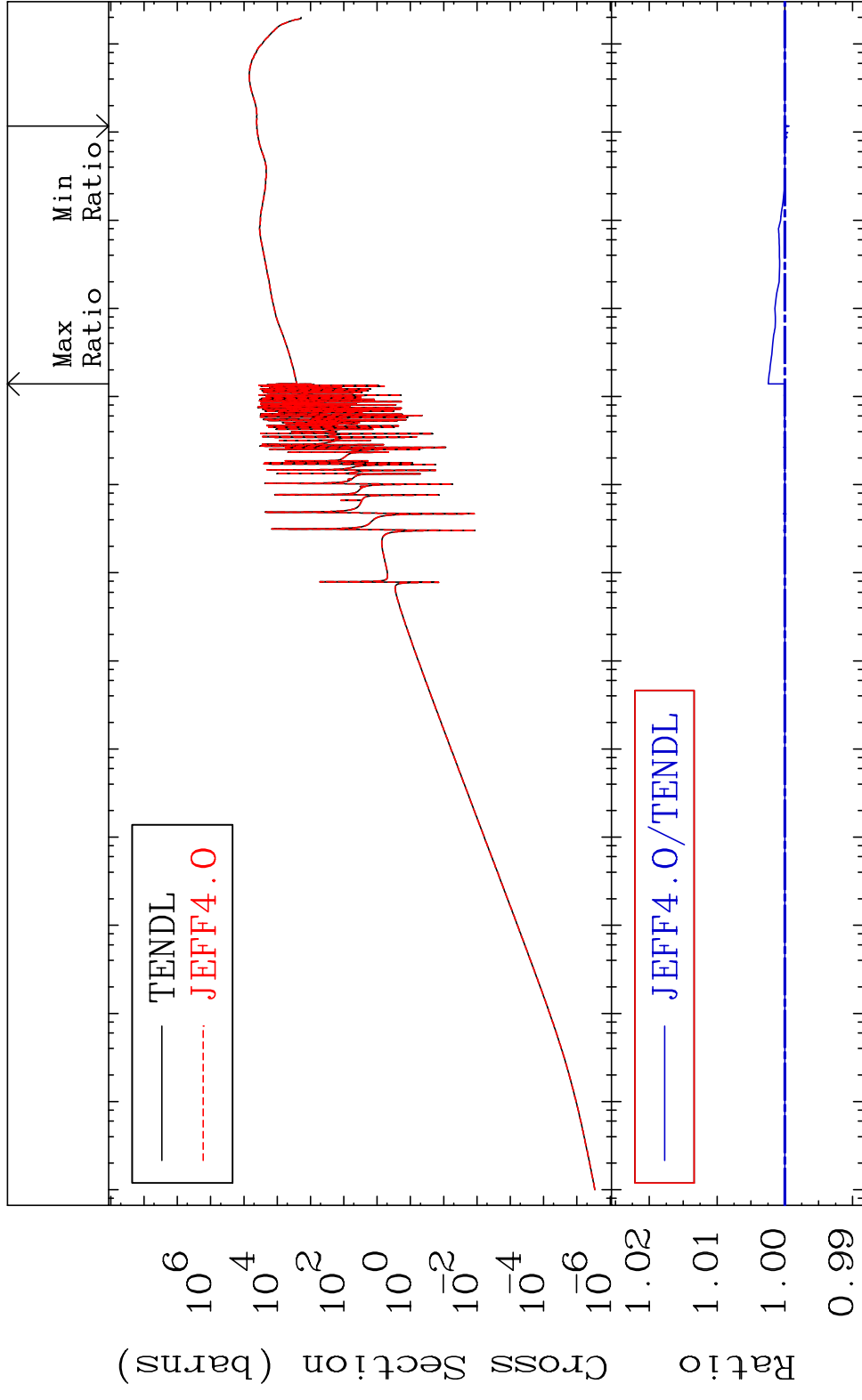


64 Incident Energy (eV) 60-Nd-150

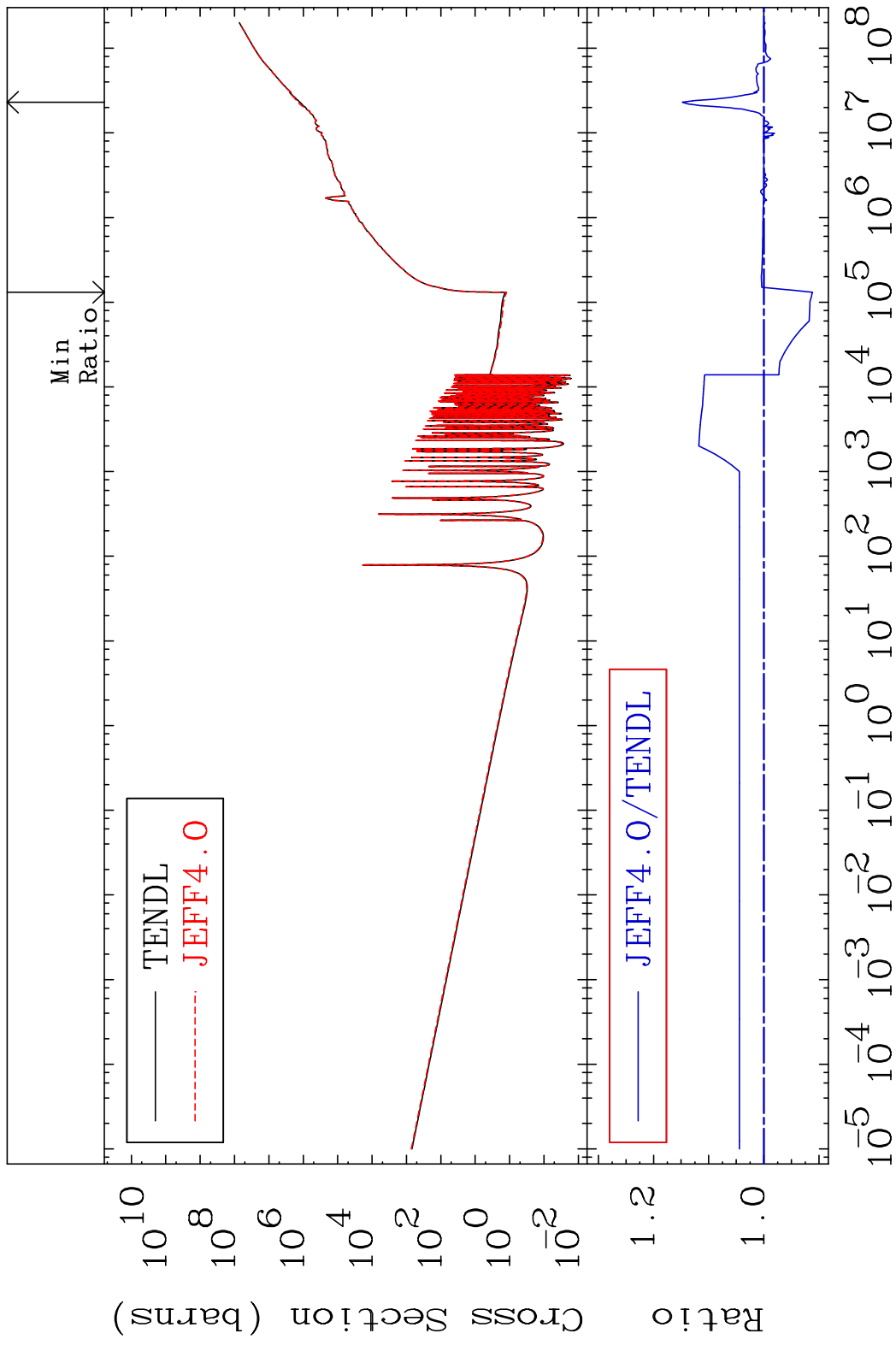
MAT 6049

Kerma elastic
Cross Section

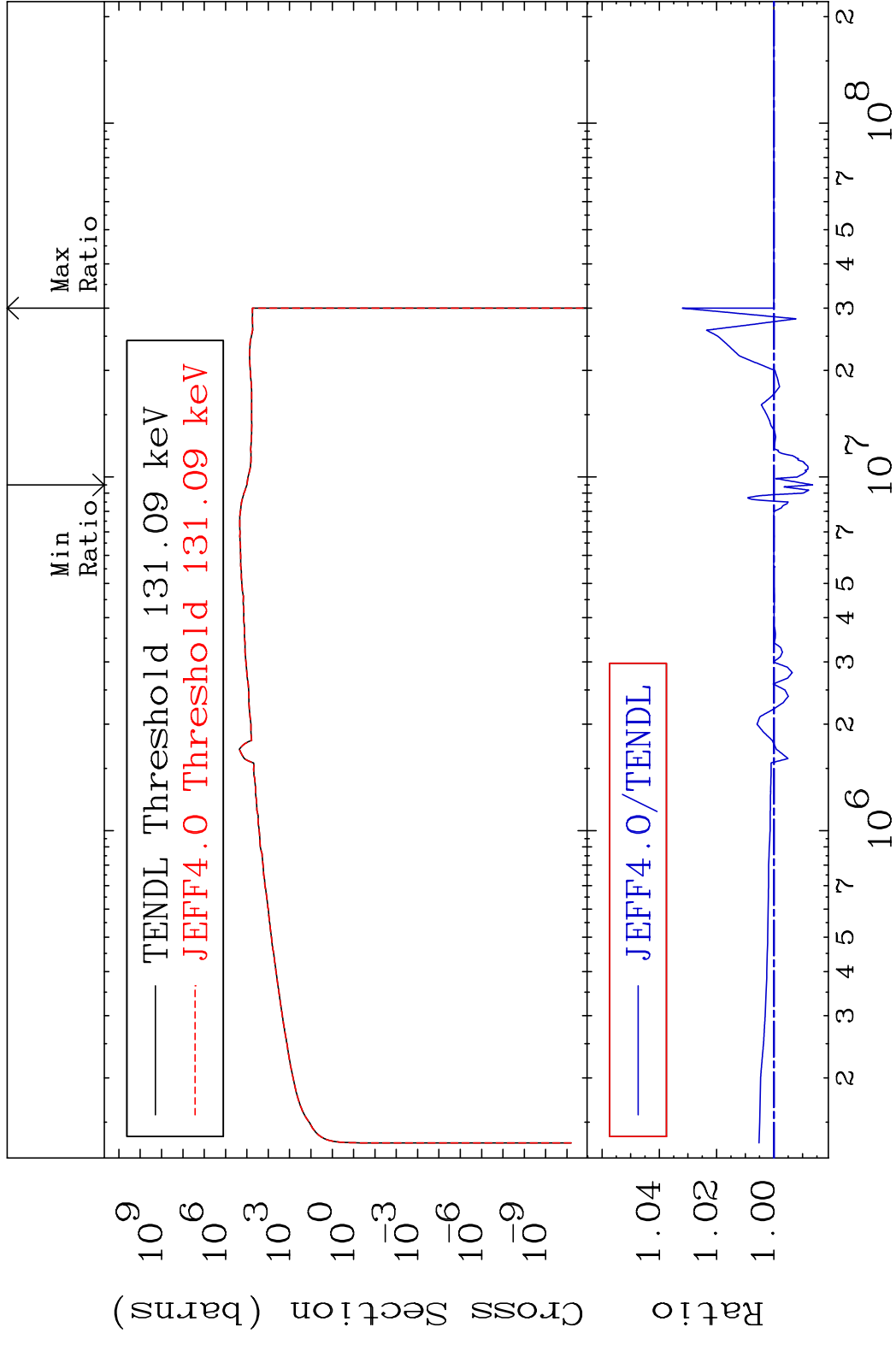
60-Nd-150
-0.059 To 0.245 %



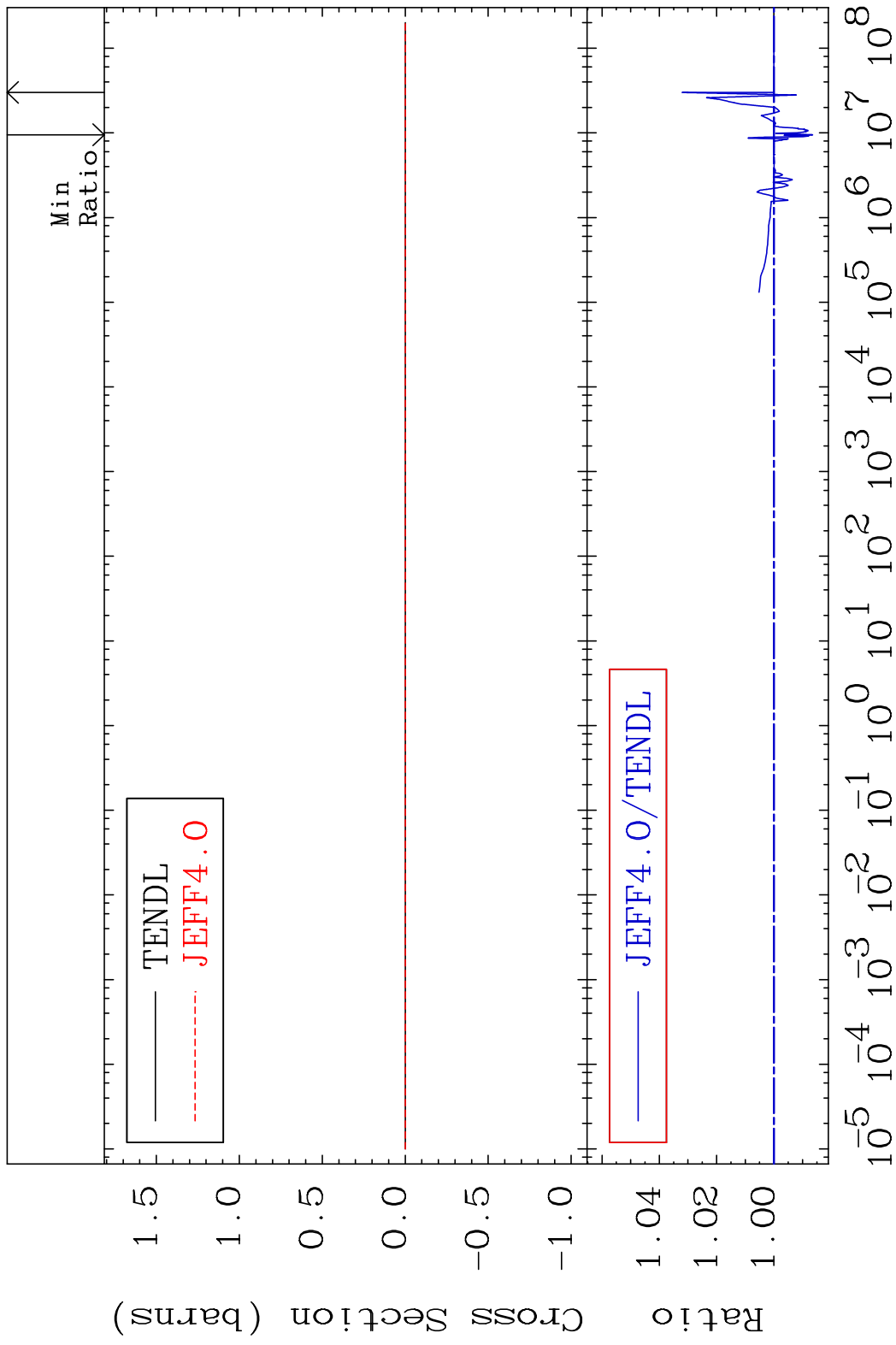
MAT 6049 Kerma non-elastic (all but mt2) 60-Nd-150
 Cross Section -8.824 To 14.78 %



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

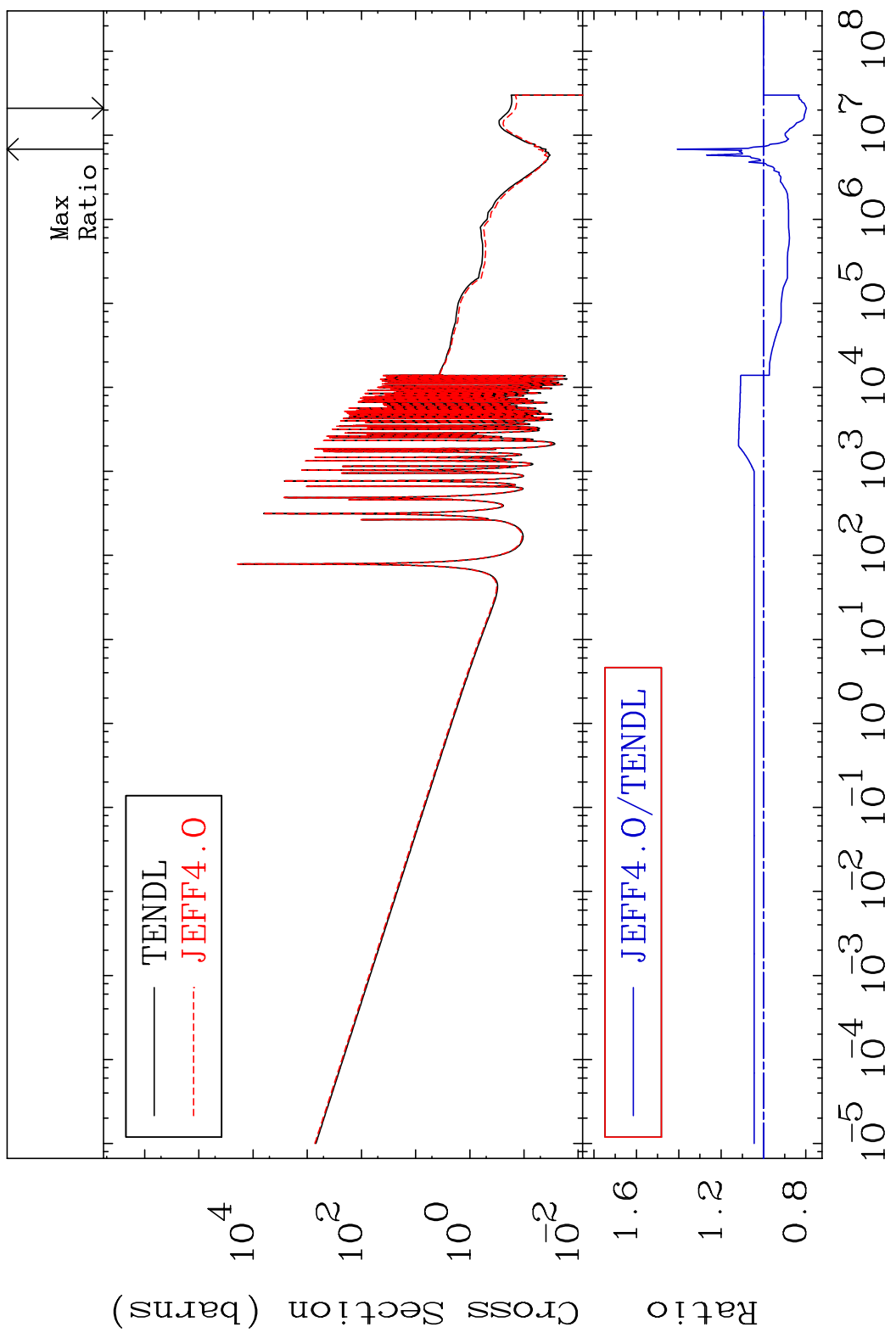


MAT 6049 Kerma fission (mt18 or mt19-20-21-38) ⁶⁰Nd-150
 Cross Section -1.349 To 3.196 %



MAT 6049

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

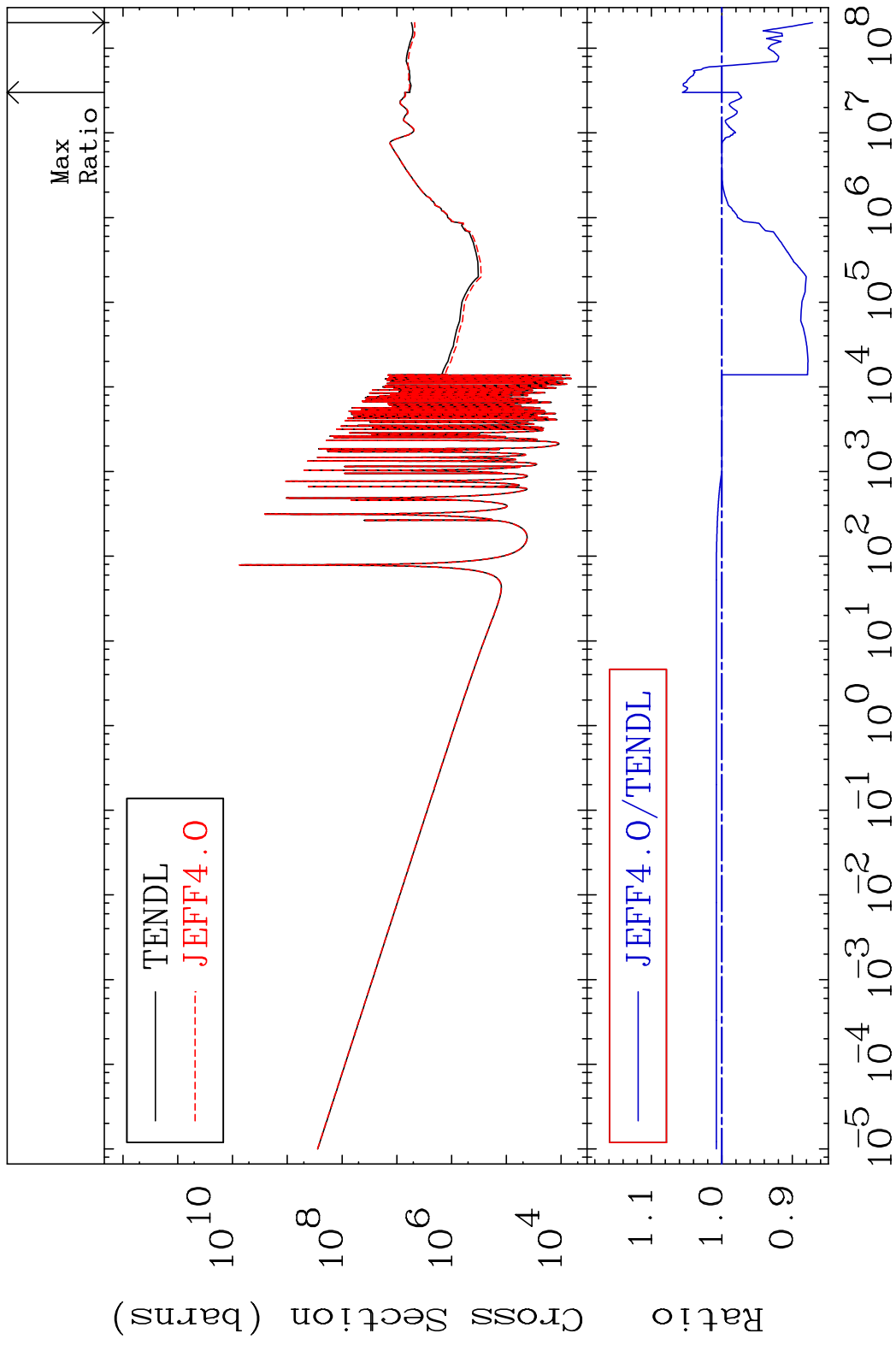


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Incident Energy (eV)

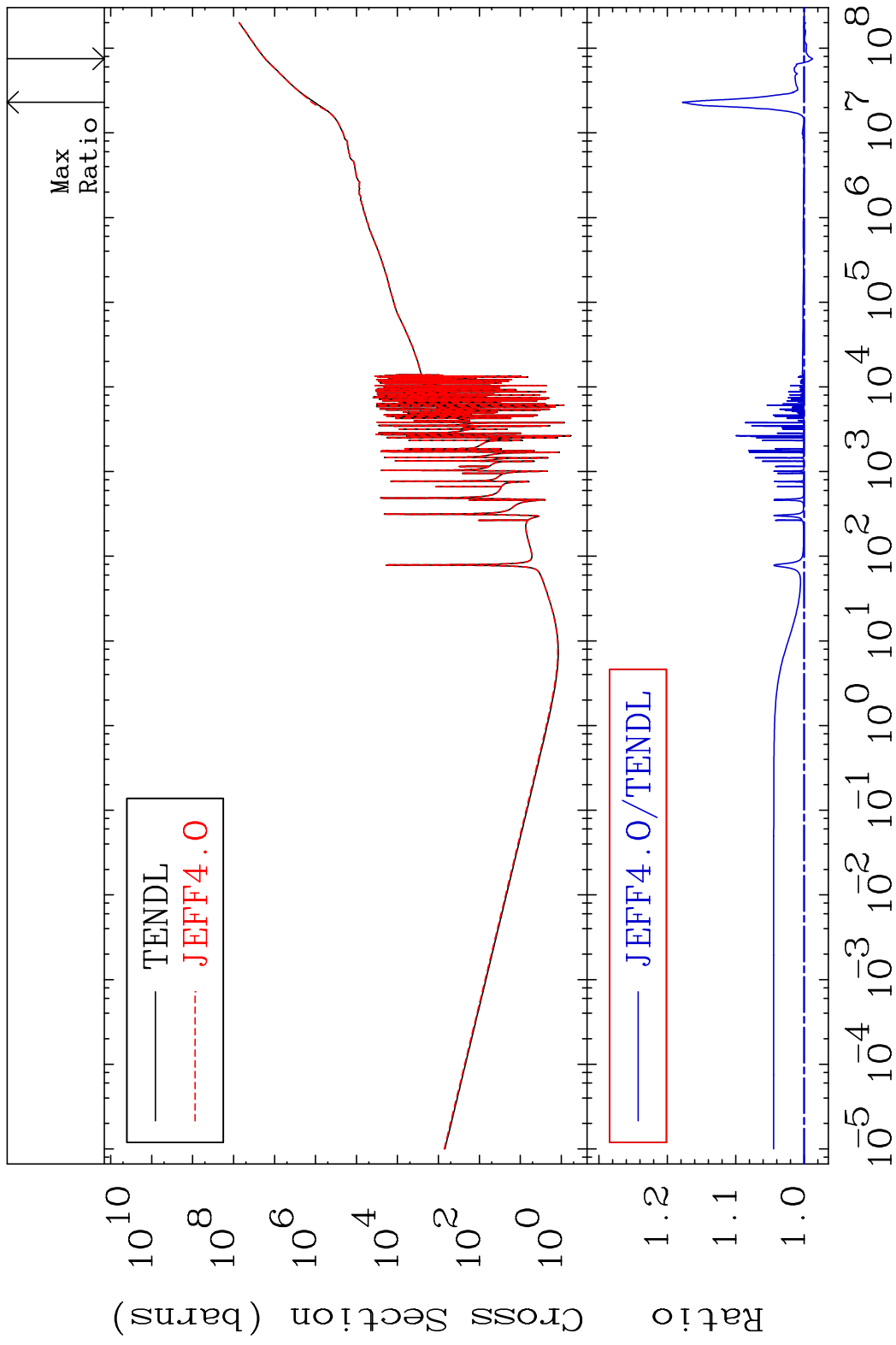
60-Nd-150

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

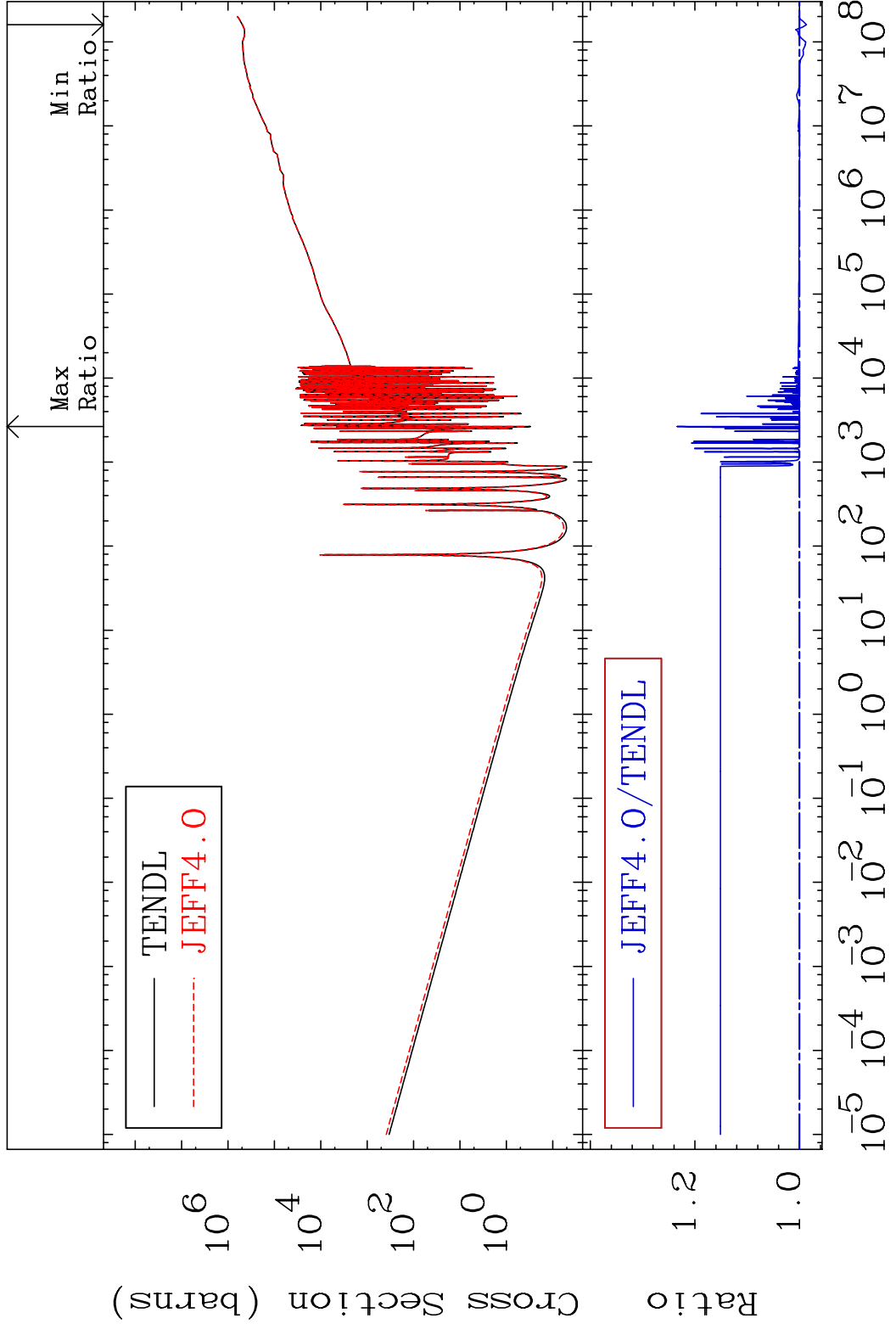


70 Incident Energy (eV) 60-Nd-150

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 %



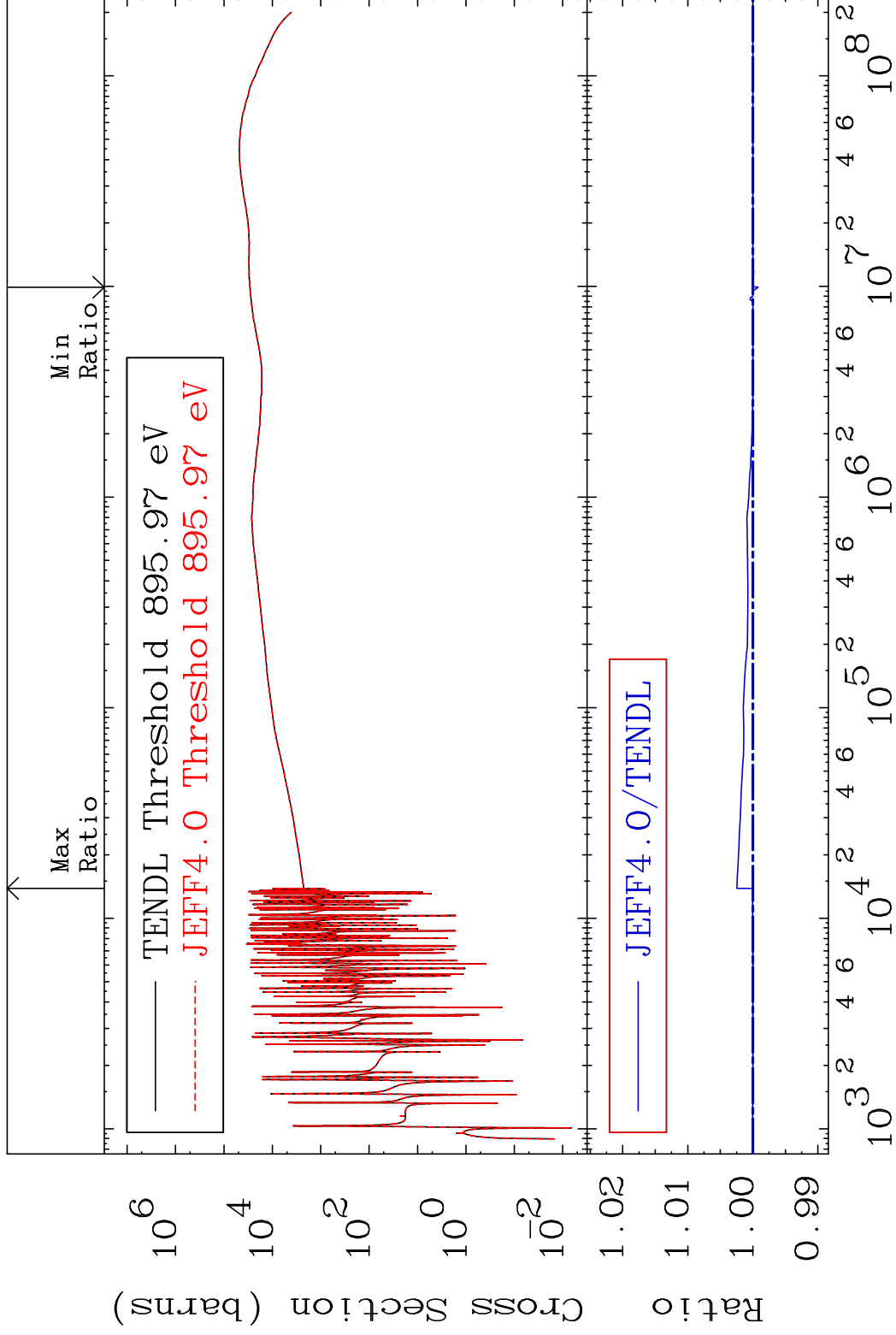
72 Incident Energy (eV) 60-Nd-150

MAT 6049

Dpa elastic (mt2)

60-Nd-150

Cross Section -0.079 To 0.245 %

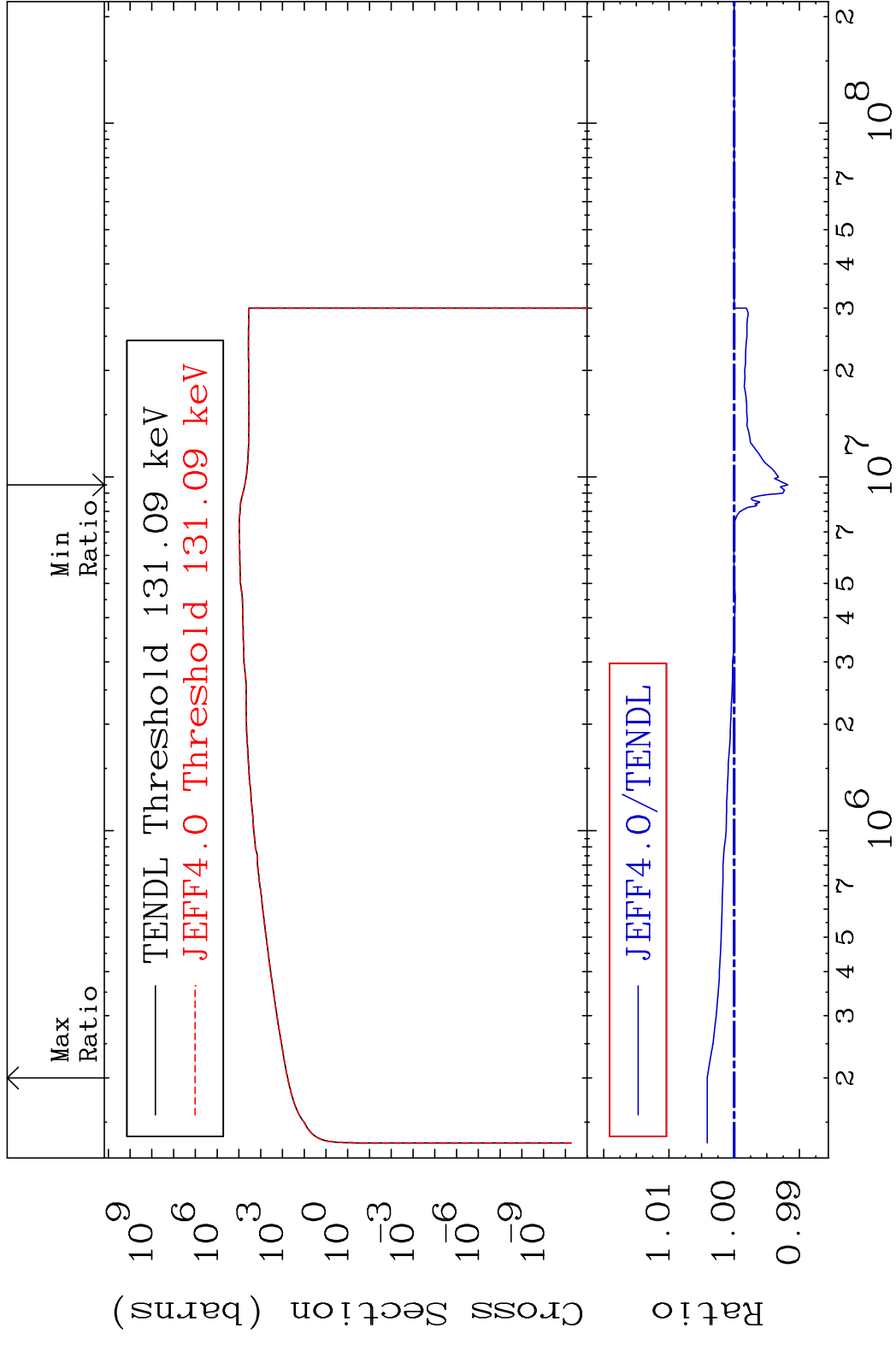


73

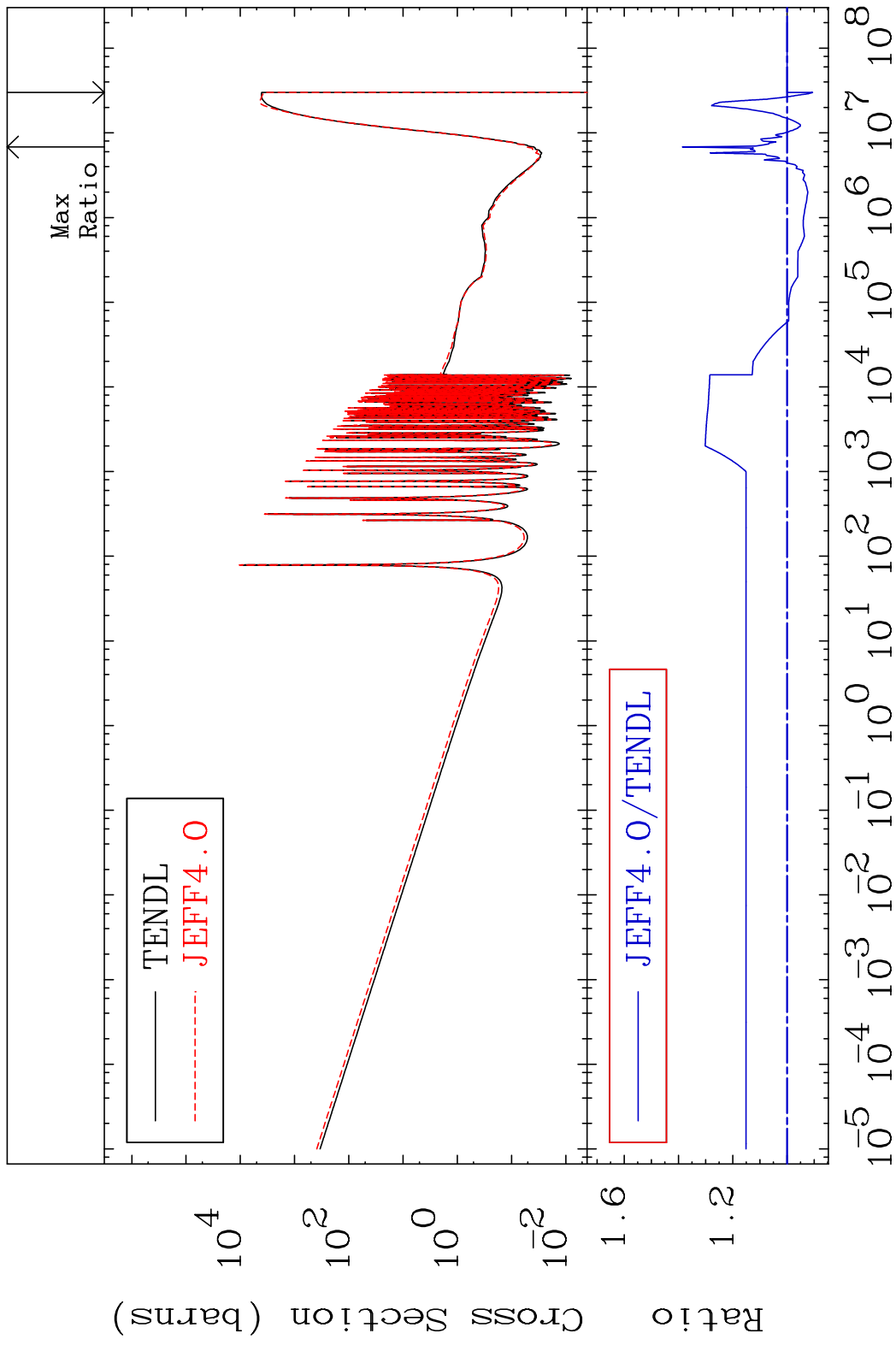
Incident Energy (eV)

60-Nd-150

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

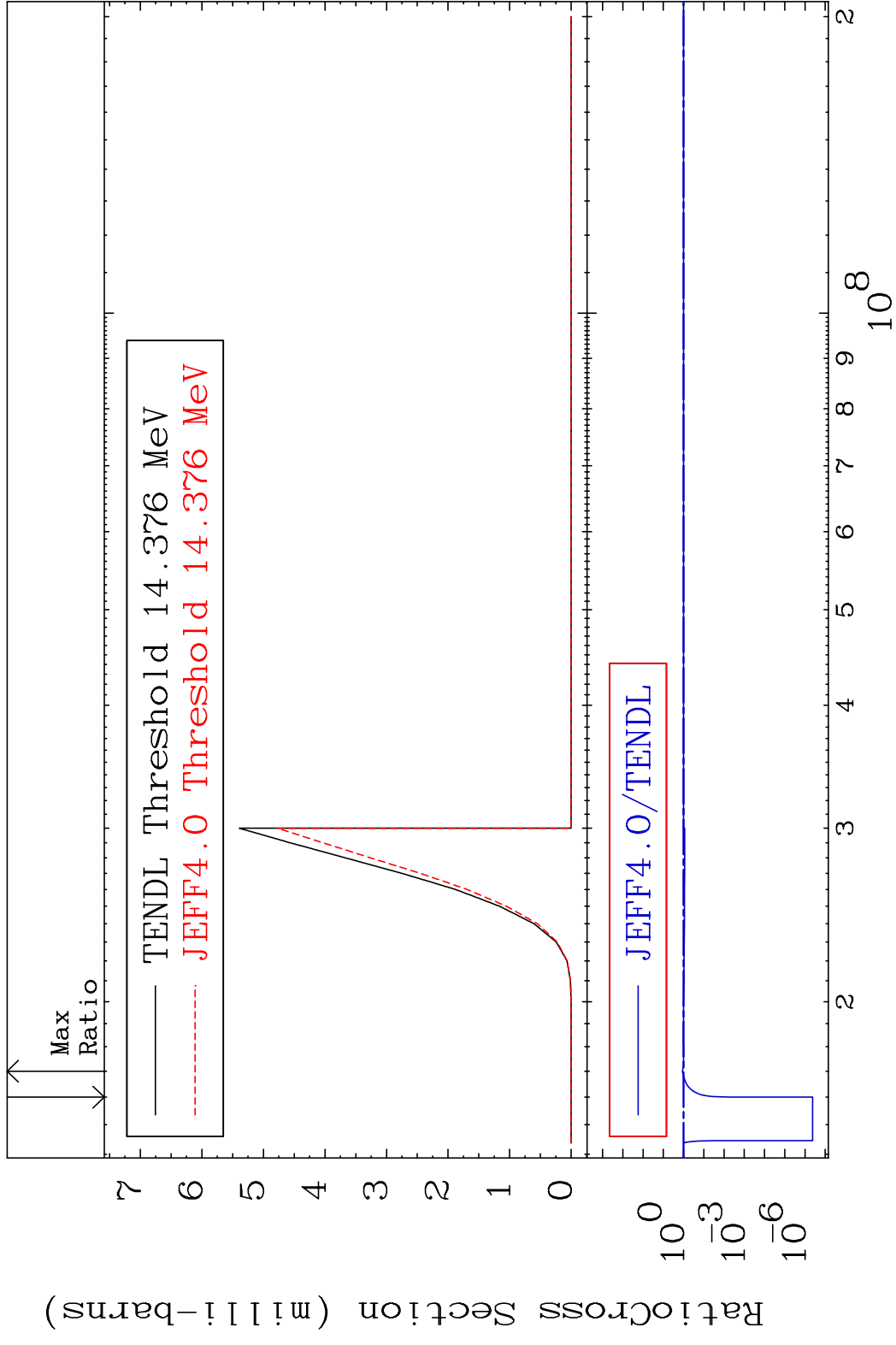


MAT 6049 Dpa disappearance (mt102 -120) 60-Nd-150
 Cross Section -9.411 To 38.58 %

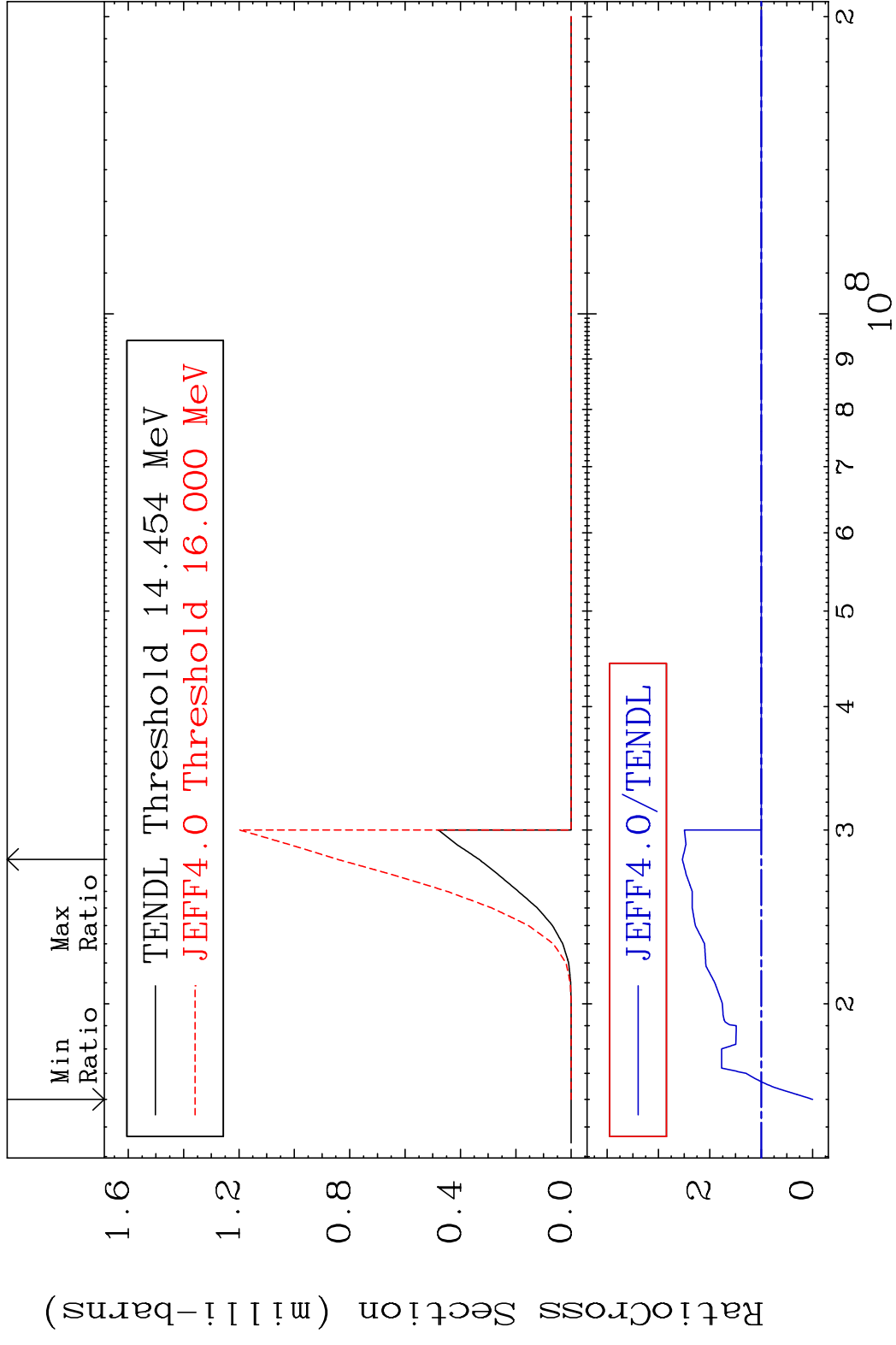


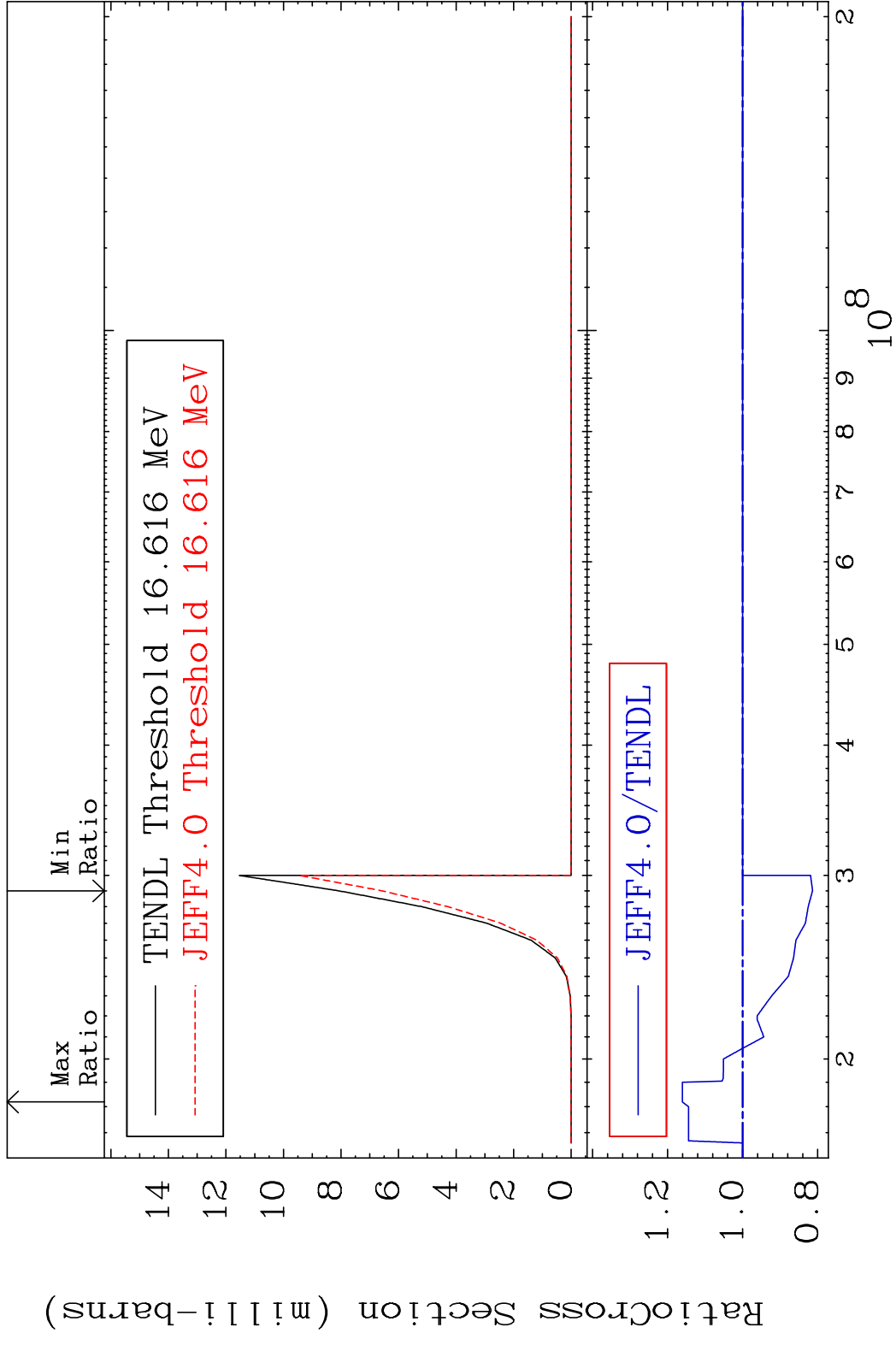
75 Incident Energy (eV) 60-Nd-150

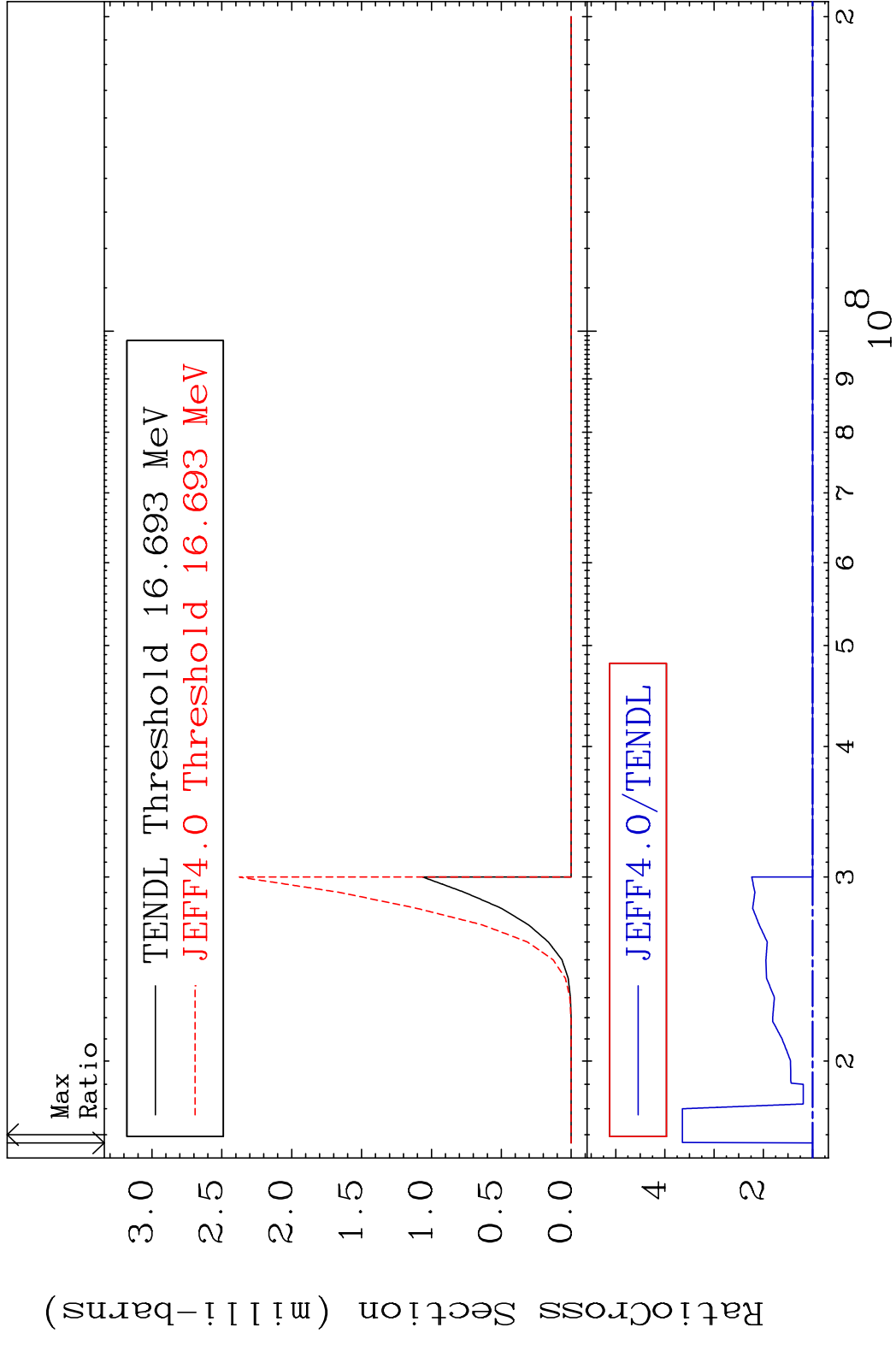
MAT 6049 (n, n') d:59-Pr-148g 60-Nd-150
 Radionuclide Production Cross Section 1800 d to 14.57 %



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







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

