

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

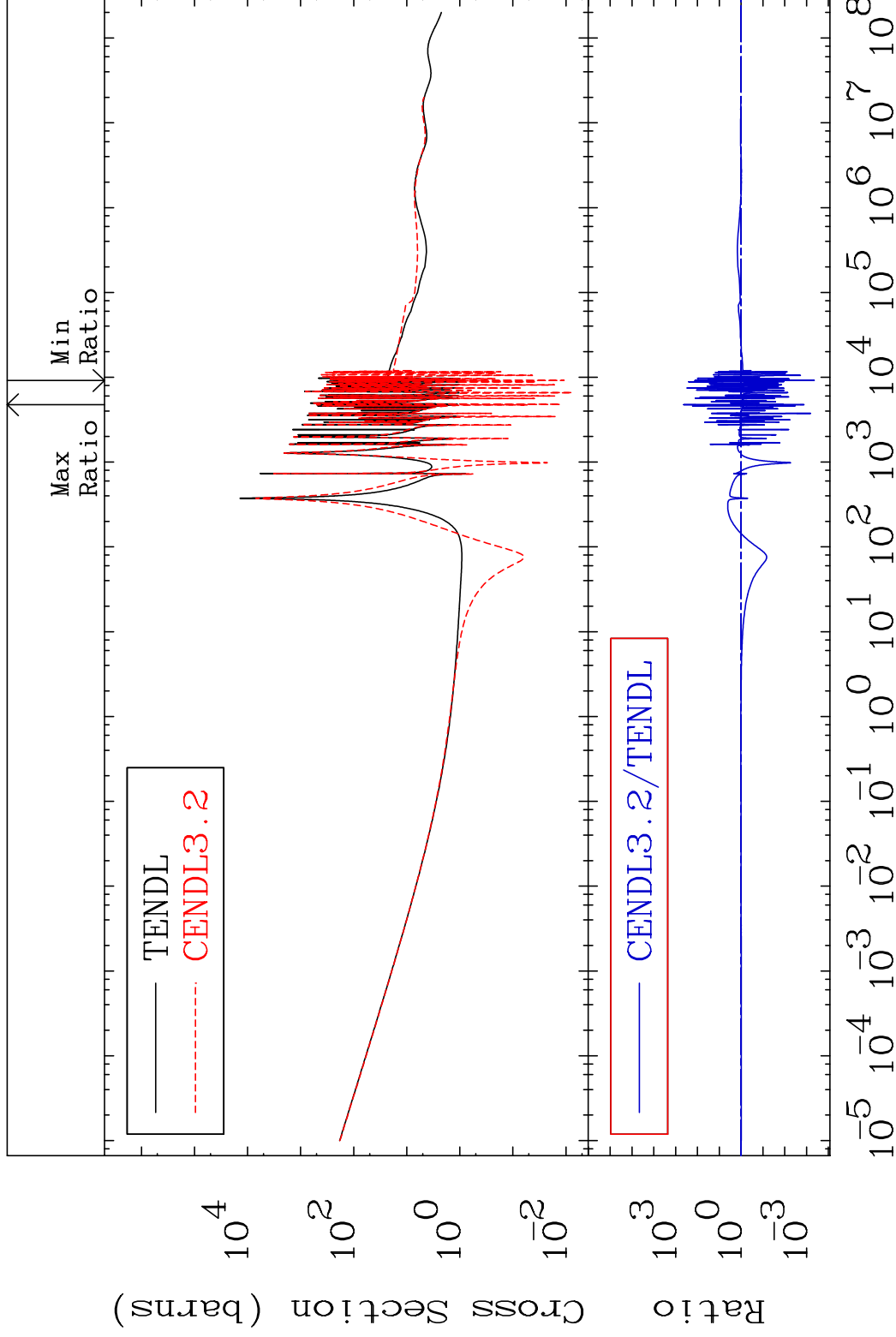
MAT 6031

Total

60-Nd-144

Cross Section

-99.95 To 9999. %



1

Incident Energy (eV)

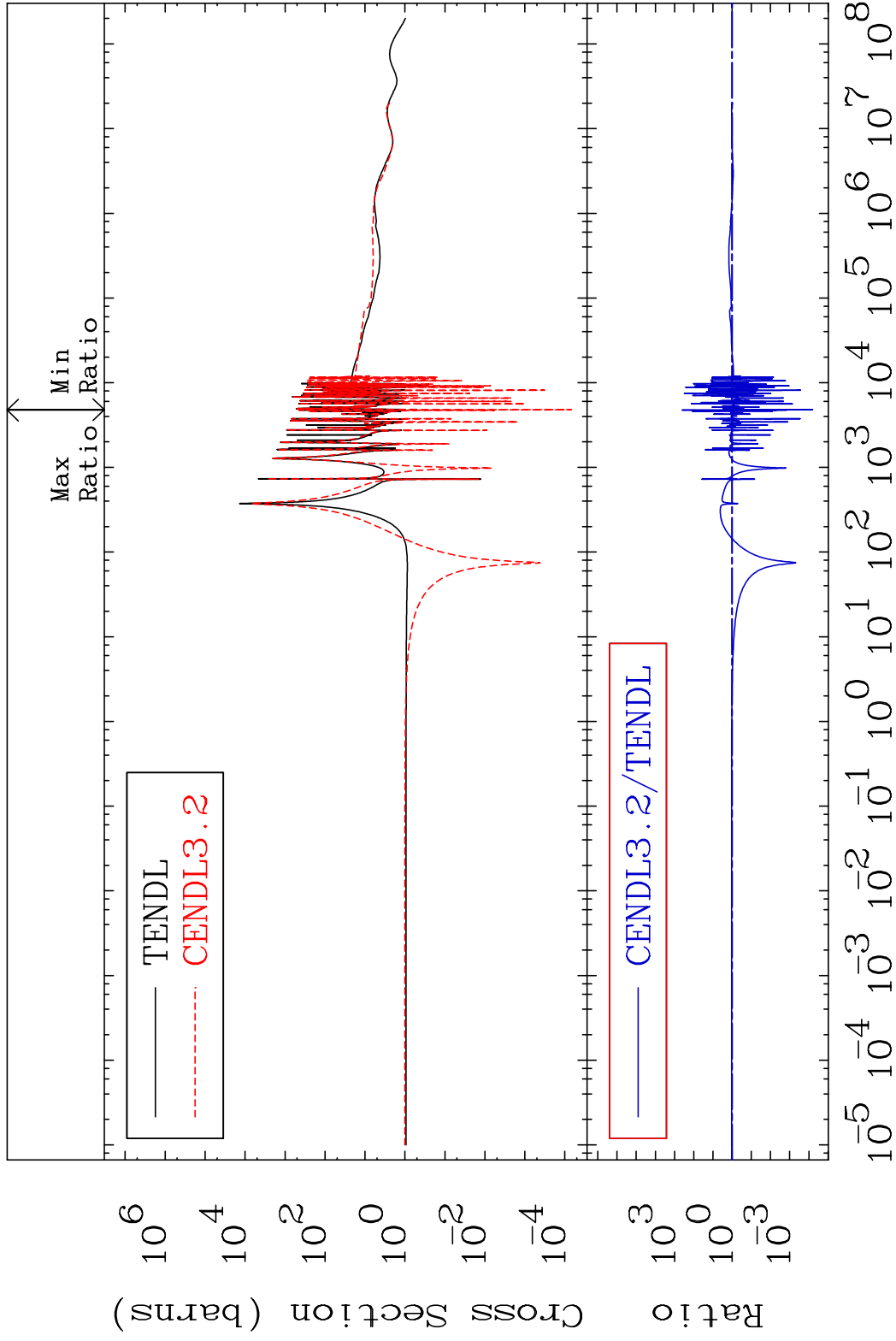
60-Nd-144

MAT 6031

Elastic

60-Nd-144

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

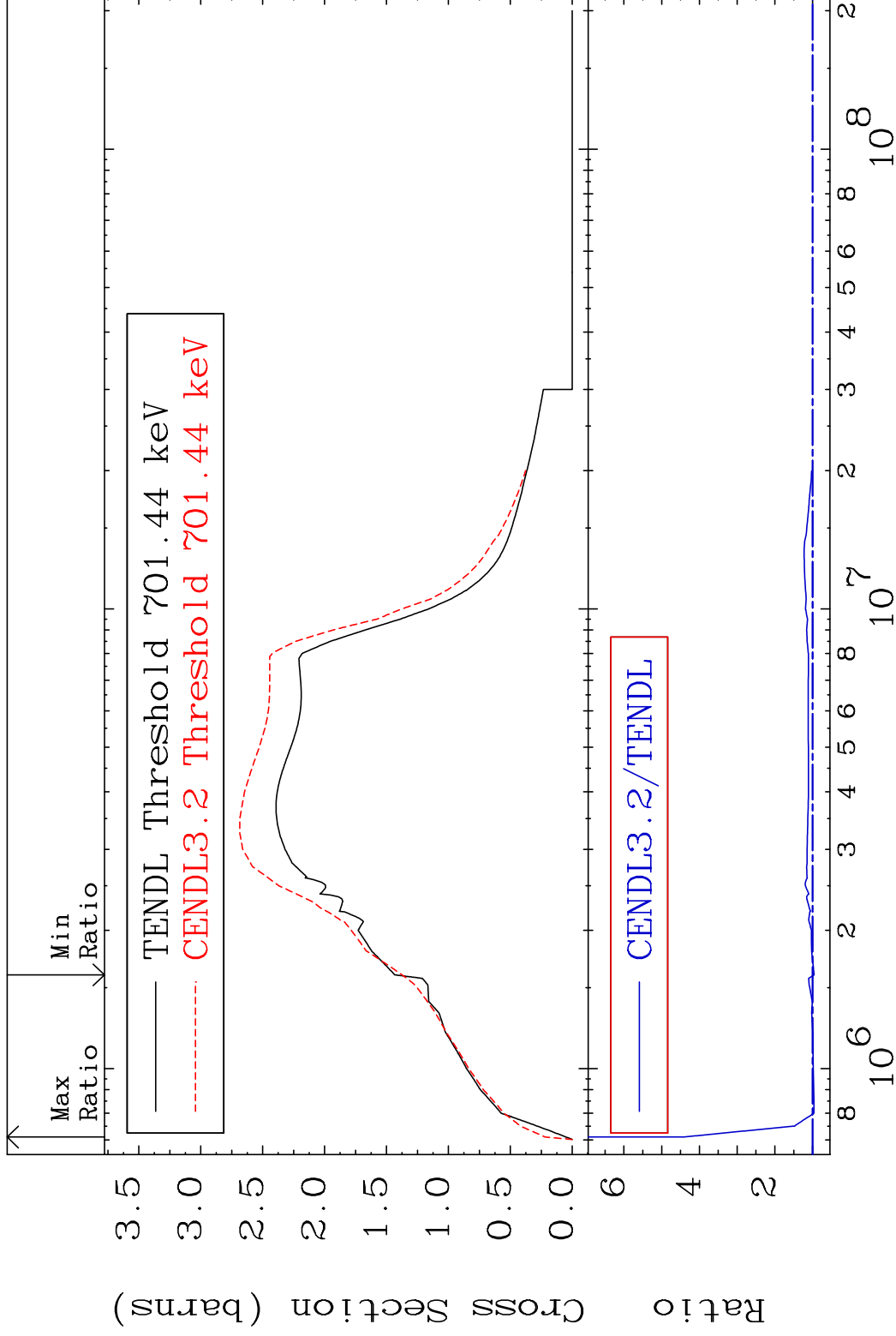
60-Nd-144

MAT 6031

Inelastic

60-Nd-144

Cross Section -4.069 To 341.7 %



3

Incident Energy (eV)

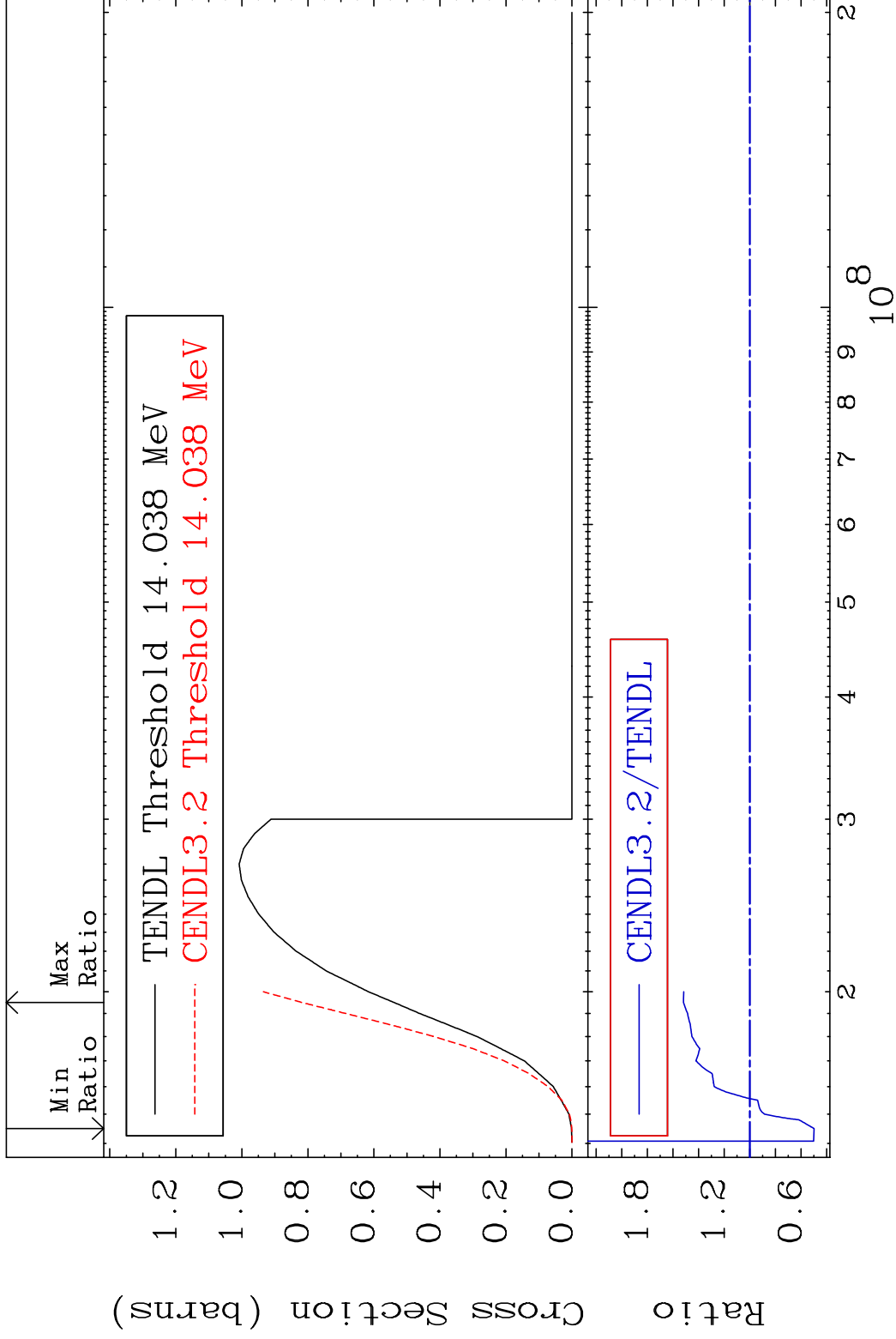
60-Nd-144

MAT 6031

(n,3n)

60-Nd-144

Cross Section -50.13 To 51.79 %



5

Incident Energy (eV)

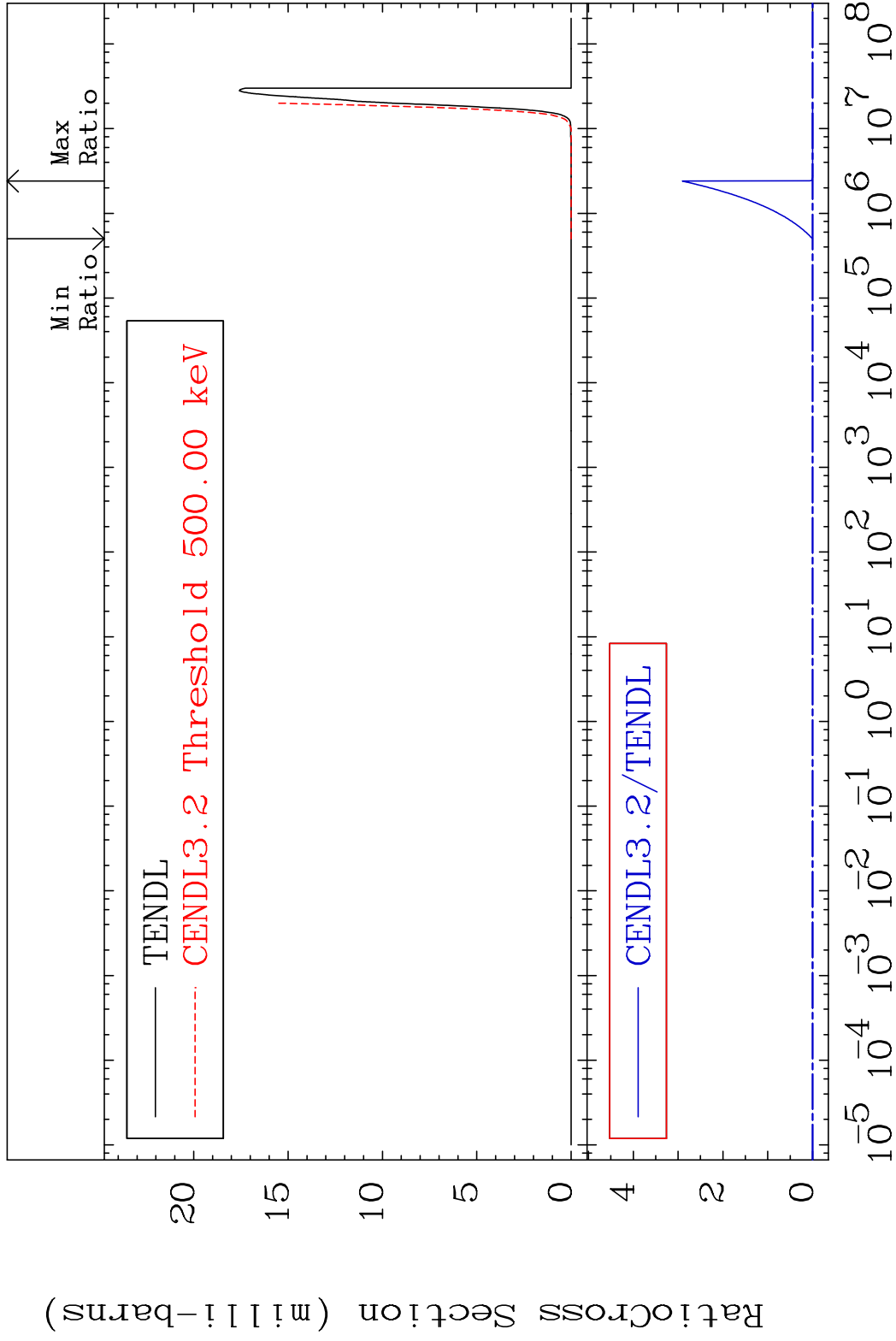
60-Nd-144

MAT 6031

(n, n') α

60-Nd-144

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

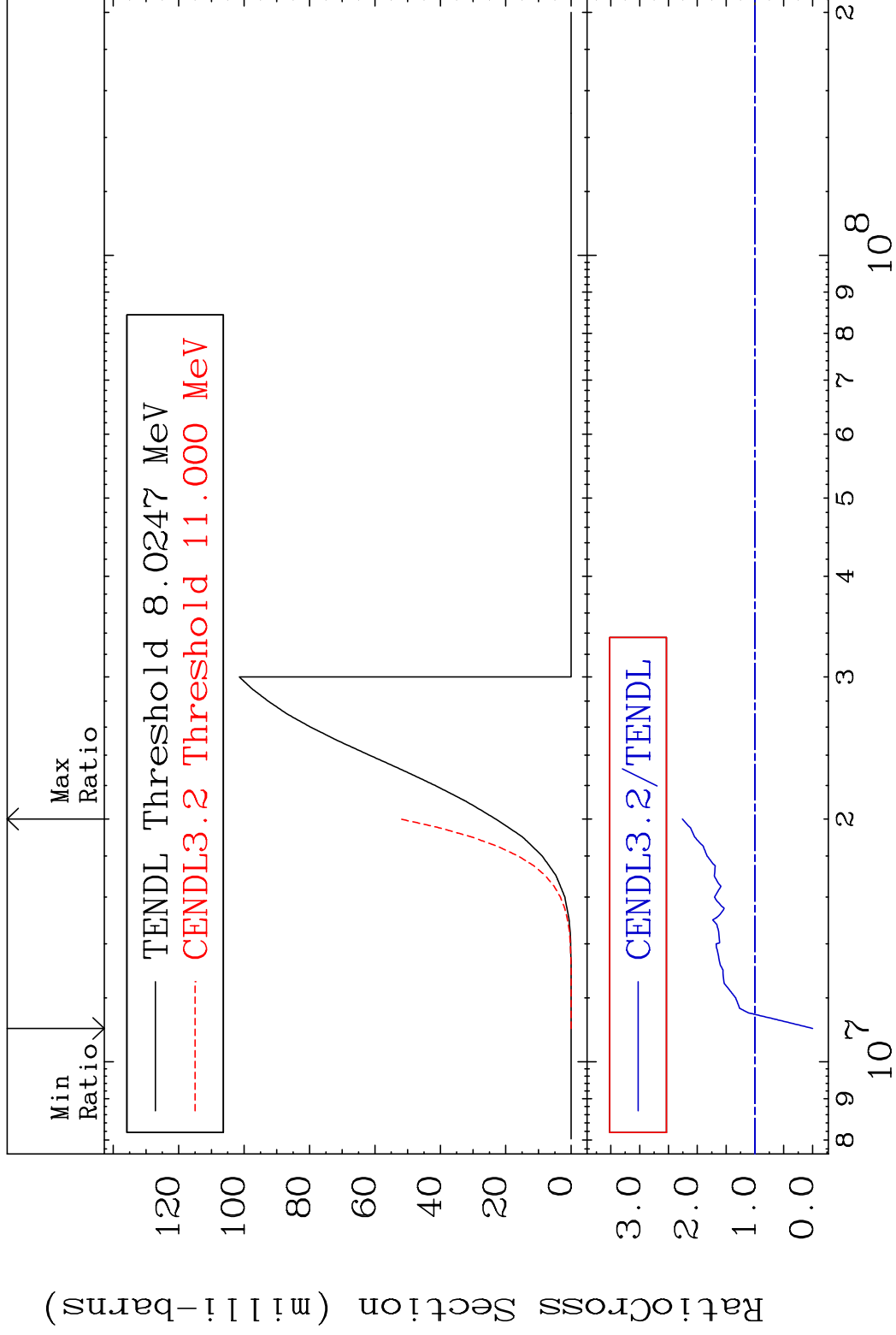
60-Nd-144

MAT 6031

(n, n') p

60-Nd-144

Cross Section -100.0 To 125.9 %

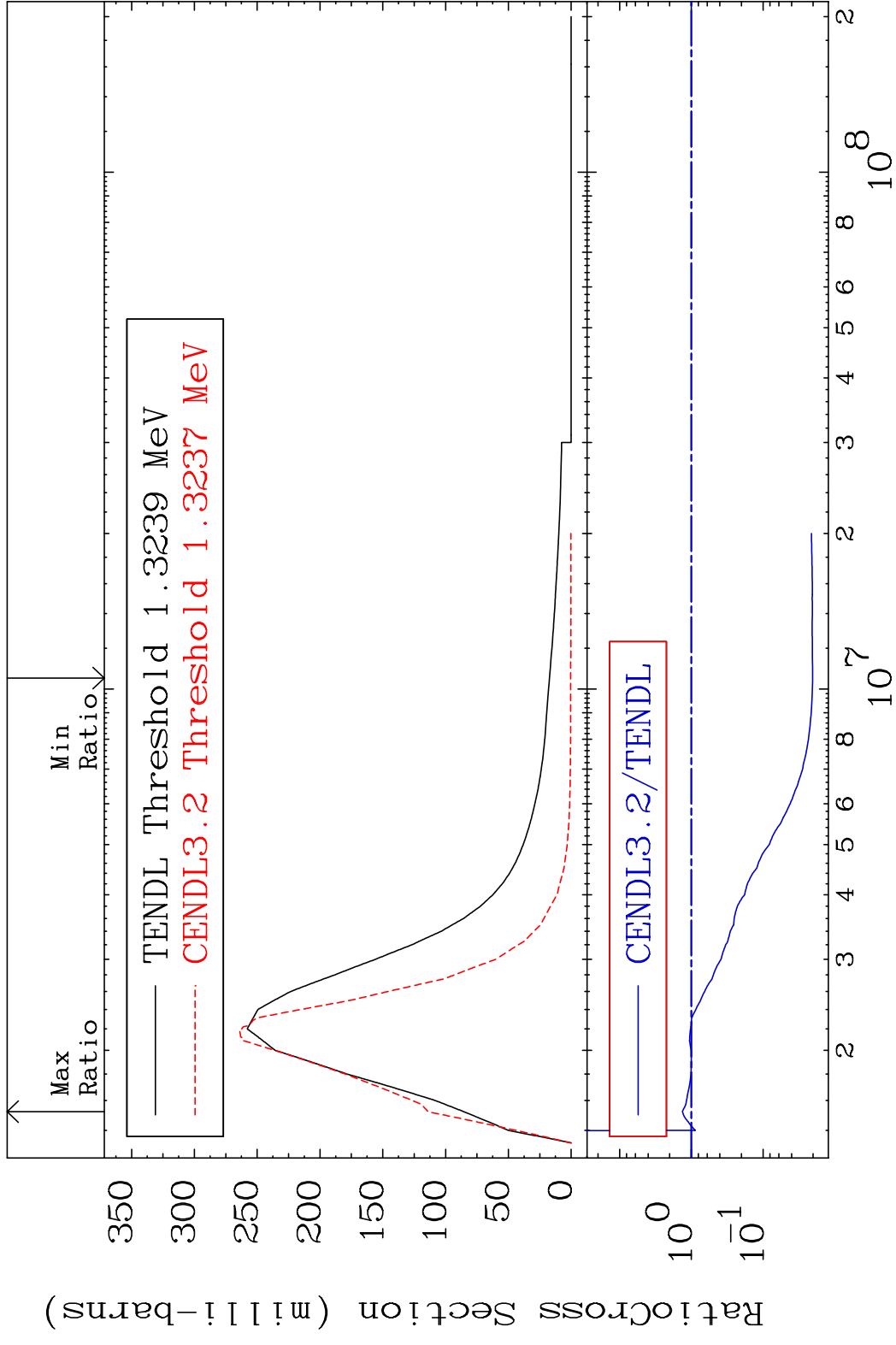


7

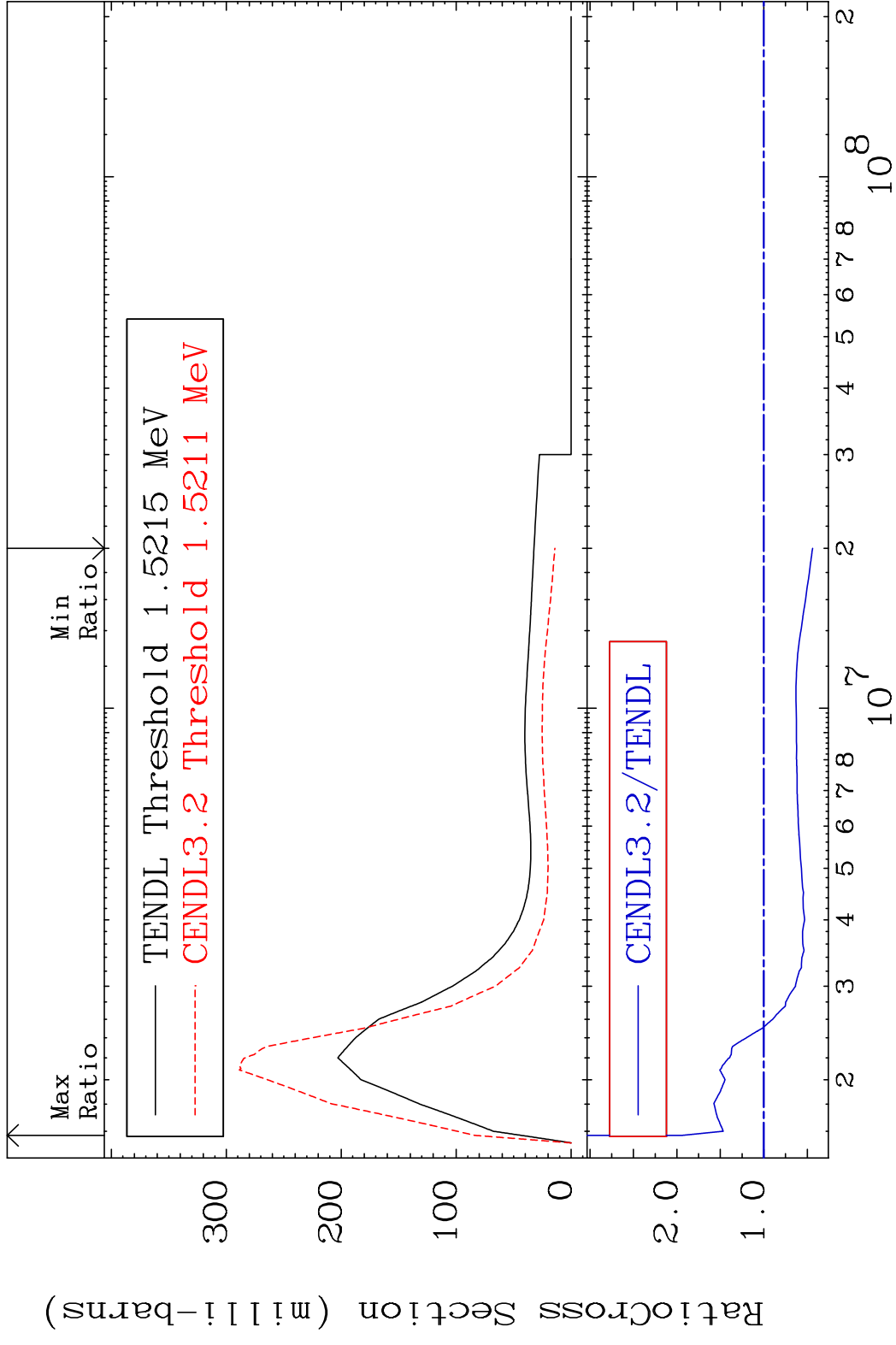
Incident Energy (eV)

60-Nd-144

MAT 6031 MT= 52 (n, n') Level 60-Nd-144
 Cross Section -97.96 To 33.29 %

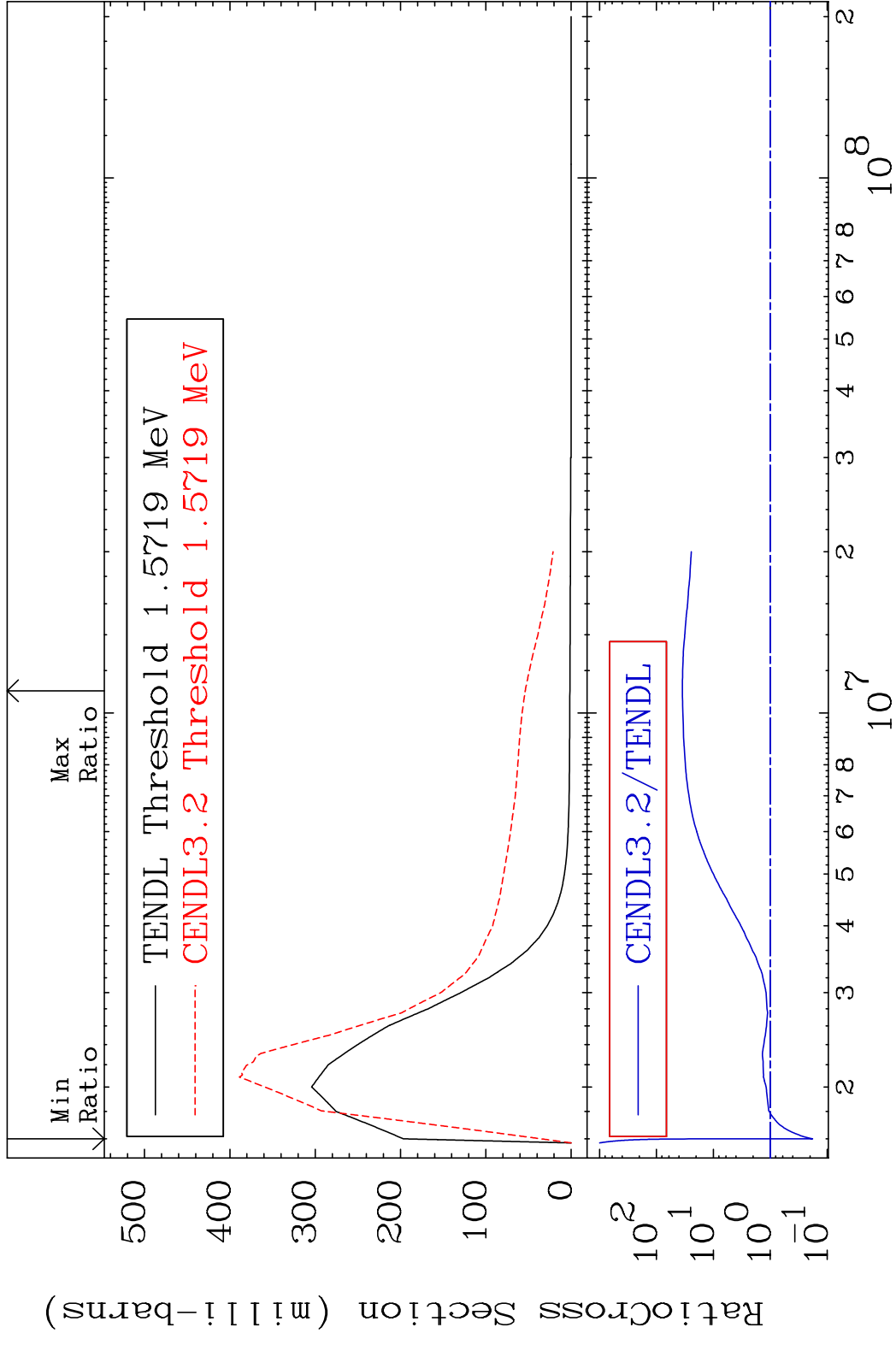


MAT 6031 MT= 53 (n, n') Level 60-Nd-144
 Cross Section -56.11 To 93.72 %

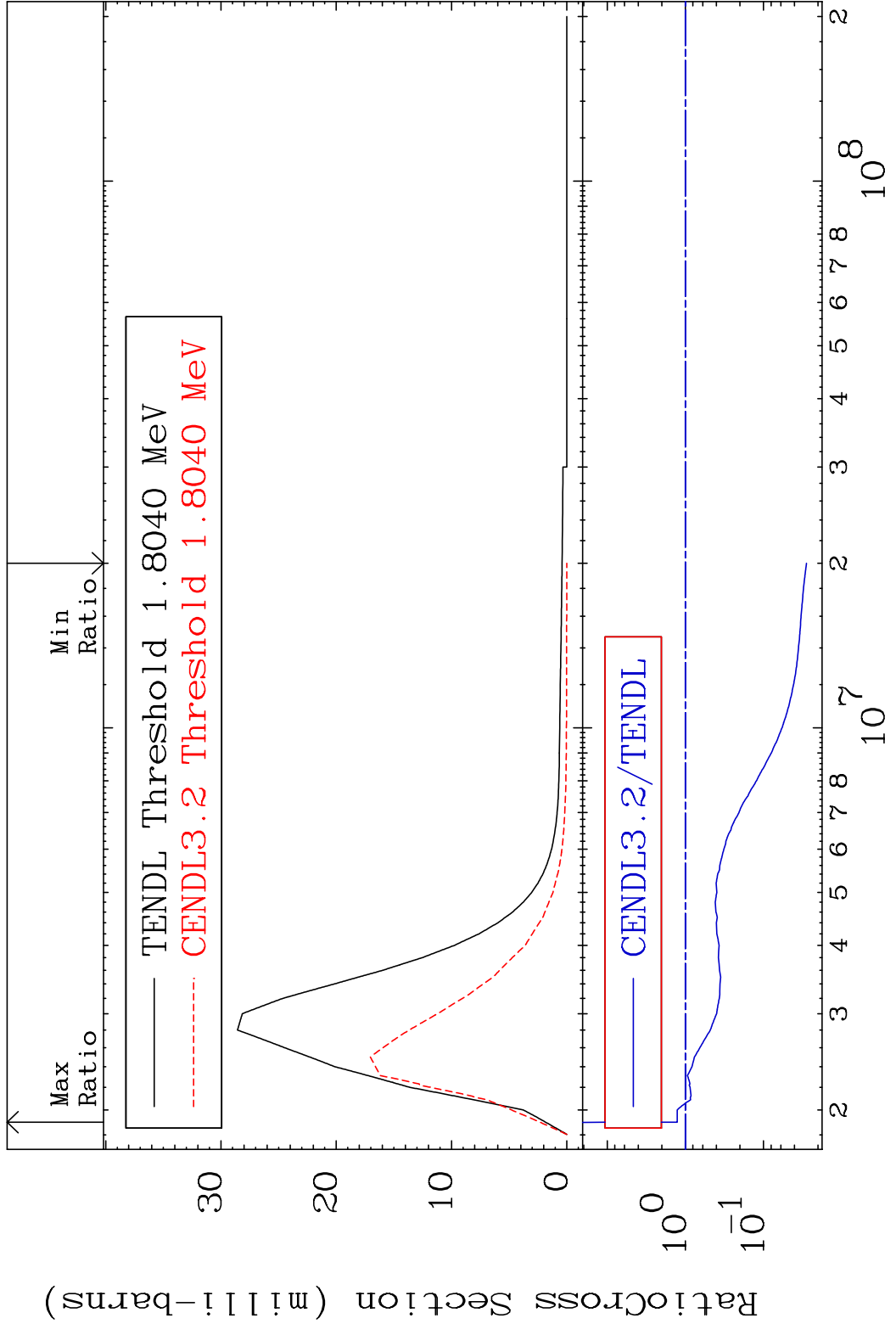


10 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 54 (n, n') Level 60-Nd-144
 Cross Section -81.97 To 3400. %

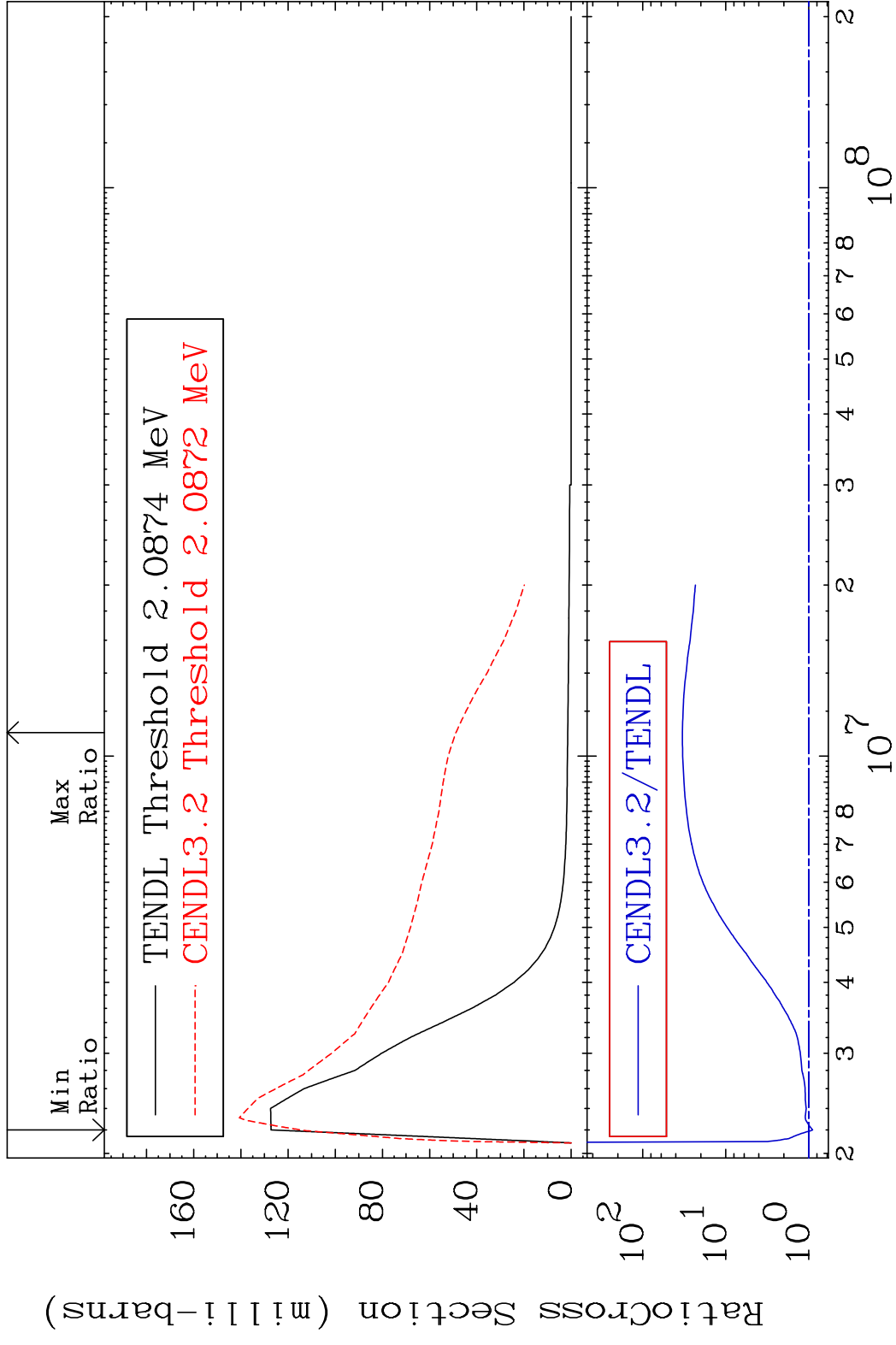


MAT 6031 MT= 55 (n, n') Level 60-Nd-144
 Cross Section -97.18 To 27.26 %

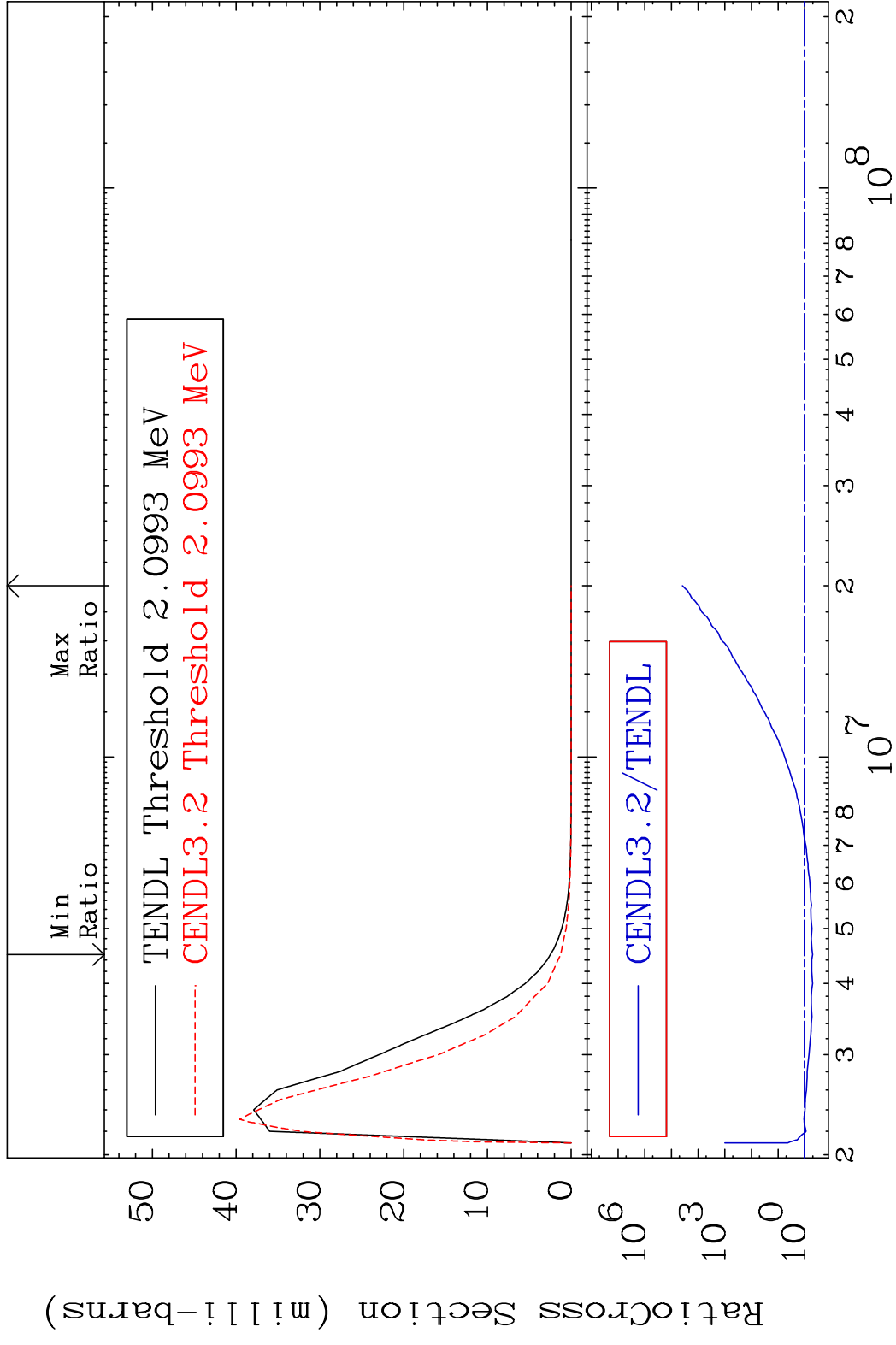


12 Incident Energy (eV) 60-Nd-144

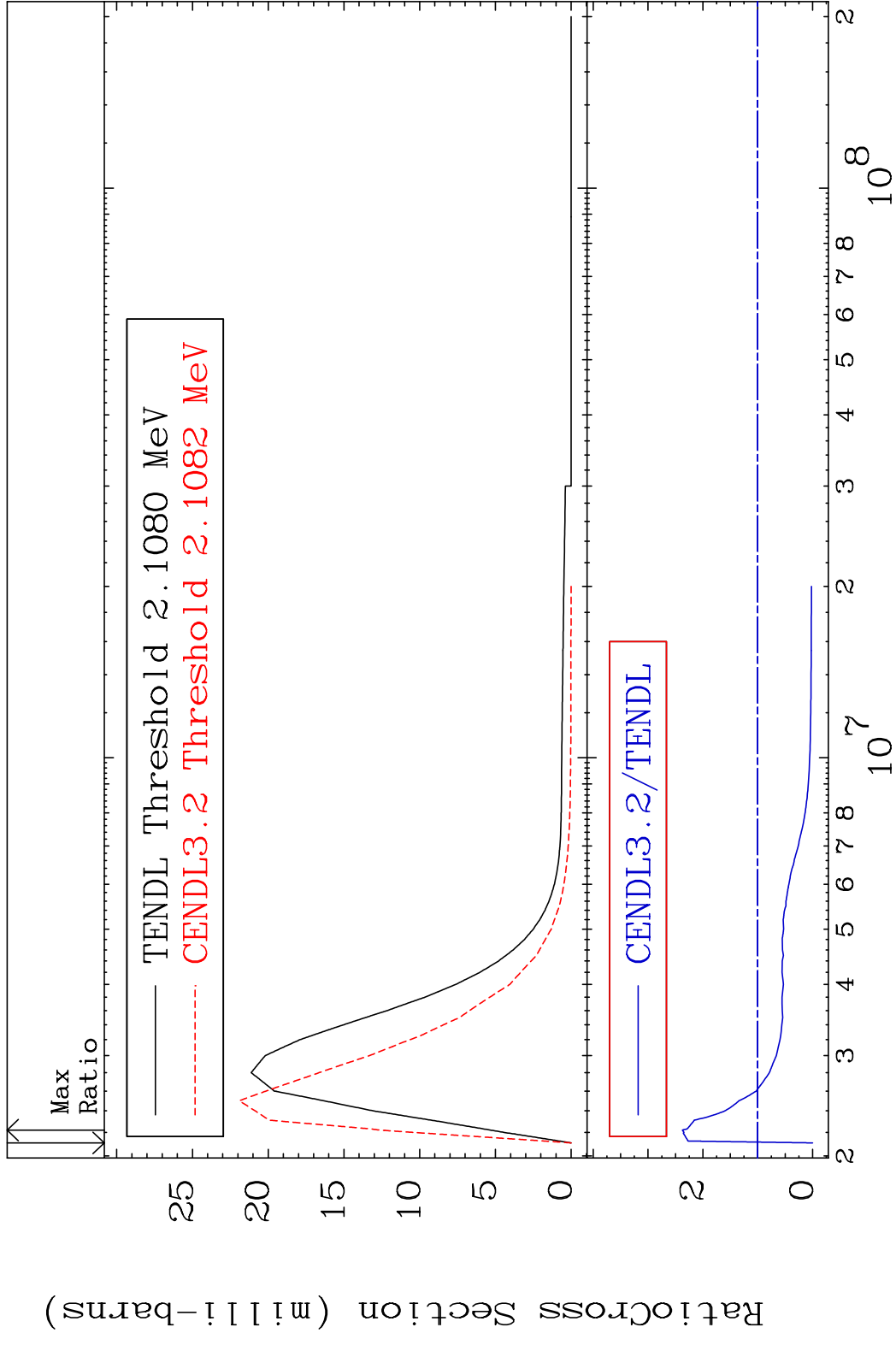
MAT 6031 MT= 56 (n,n') Level 60-Nd-144
 Cross Section -9.914 To 3235. %



MAT 6031 MT= 57 (n, n') Level 60-Nd-144
 Cross Section -49.09 To 9999. %

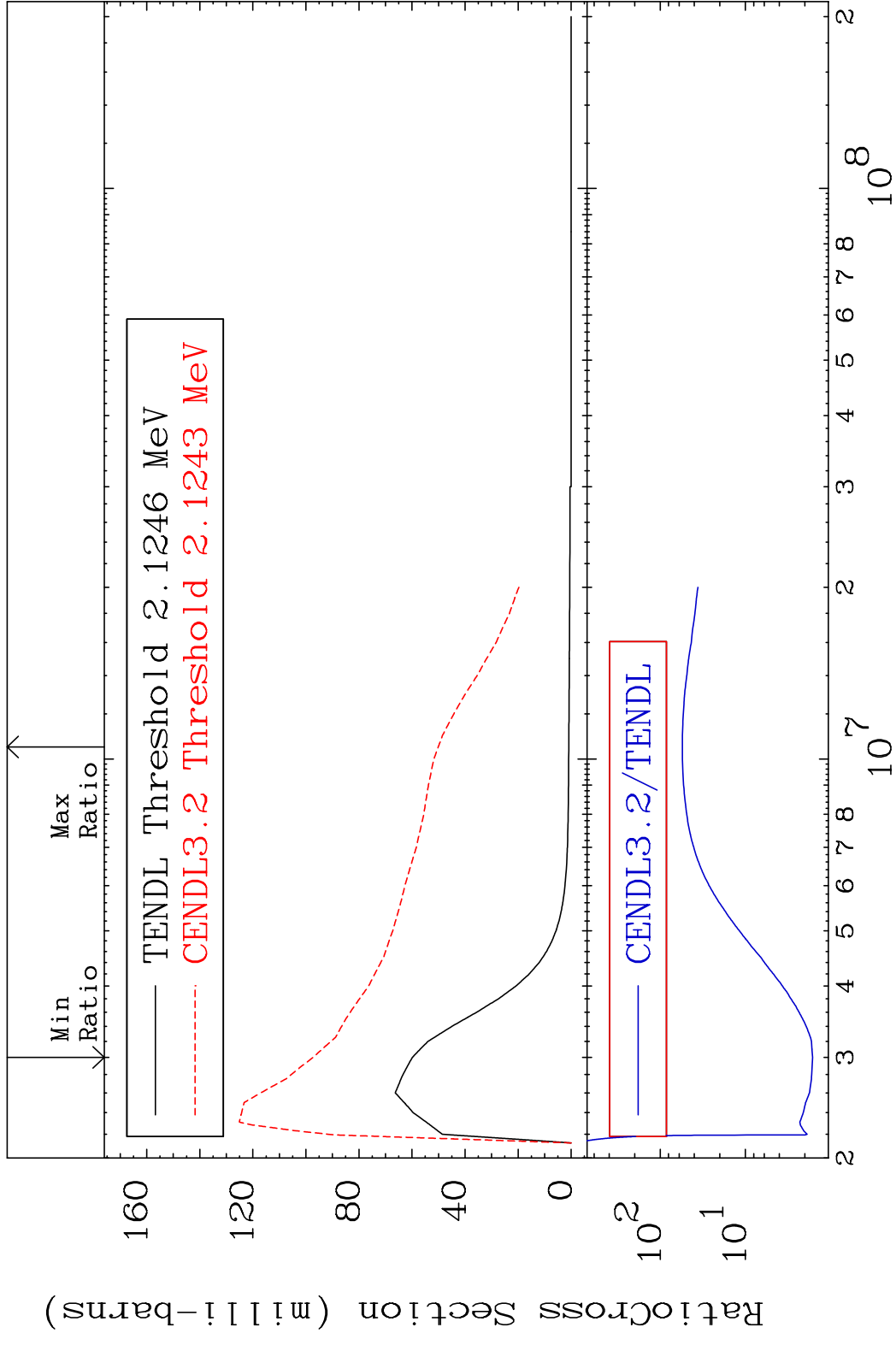


MAT 6031 MT= 58 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 137.4 %

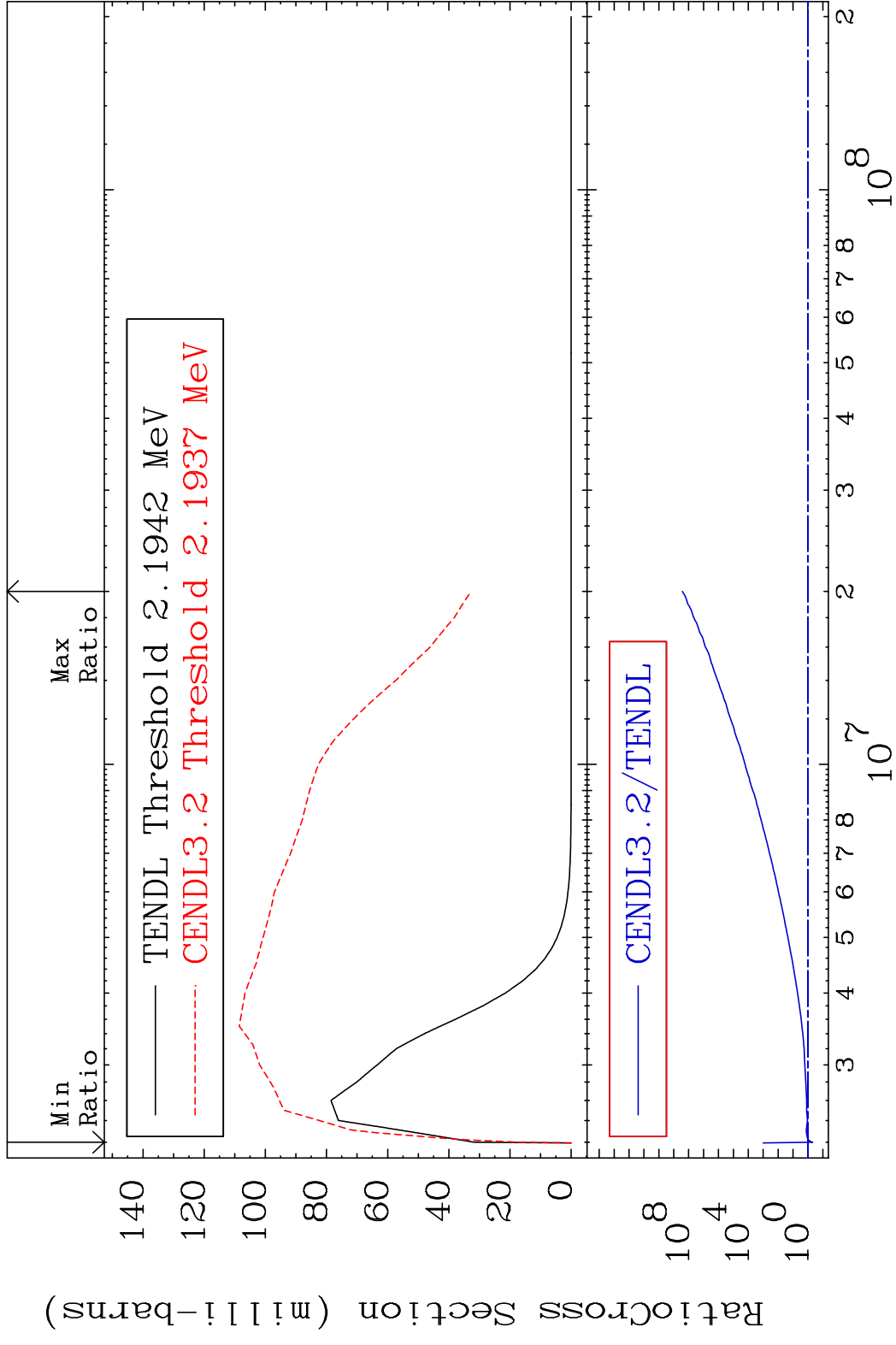


15 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 59 (n, n') Level 60-Nd-144
 Cross Section 62.49 To 5411. %

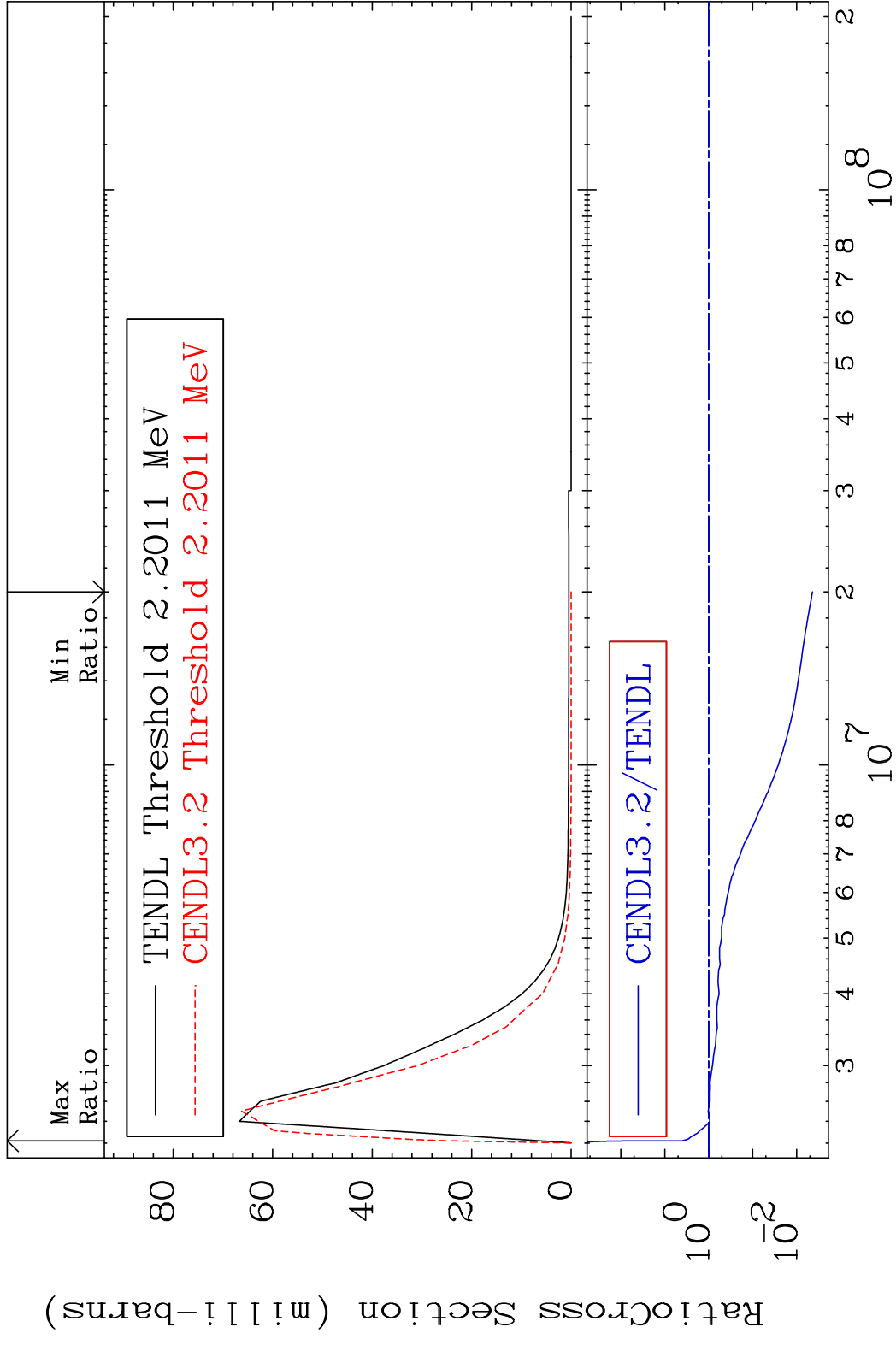


MAT 6031 MT= 60 (n, n') Level 60-Nd-144
 Cross Section -51.17 To 9999. %

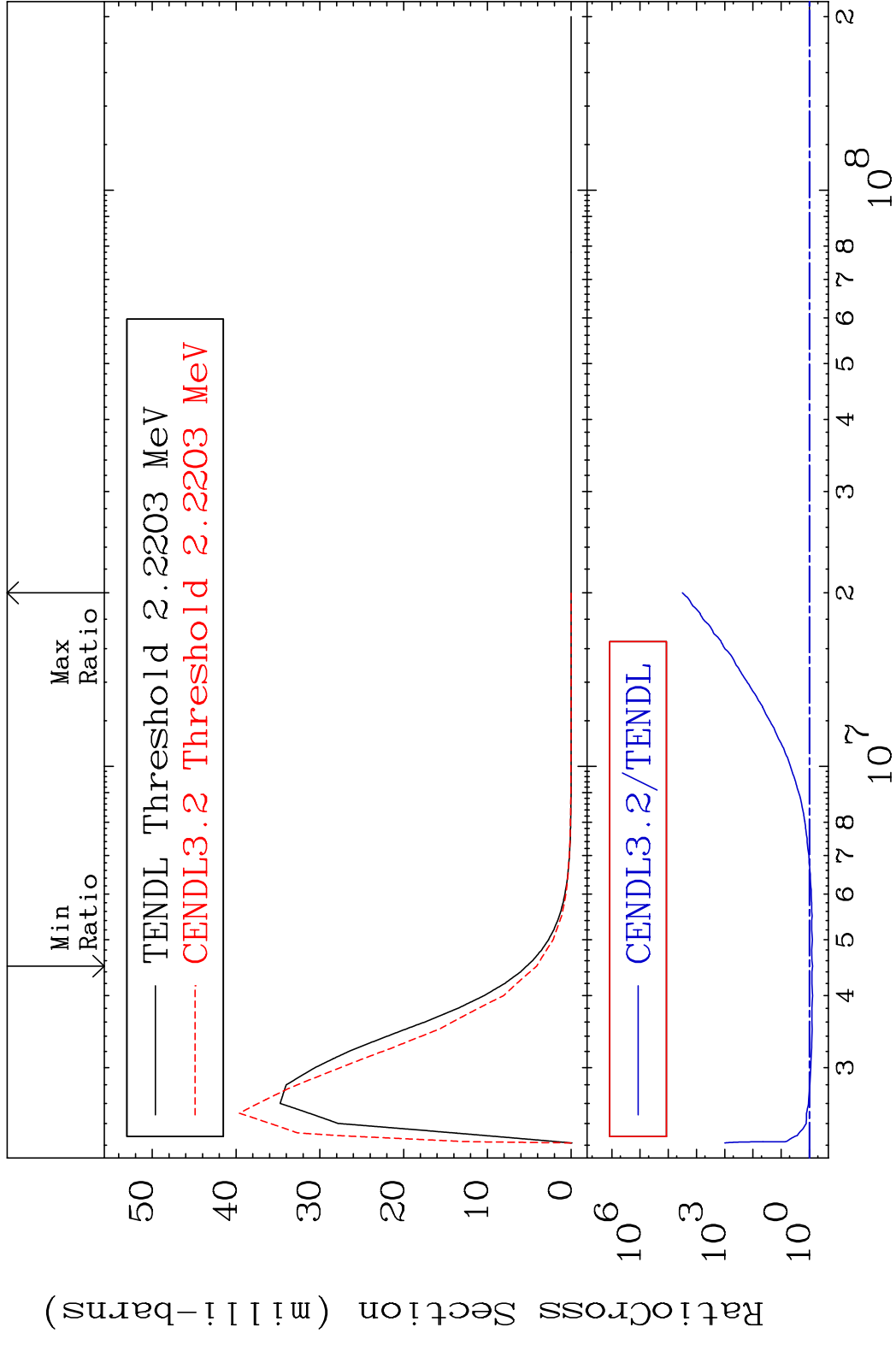


17 Incident Energy (eV) 60-Nd-144

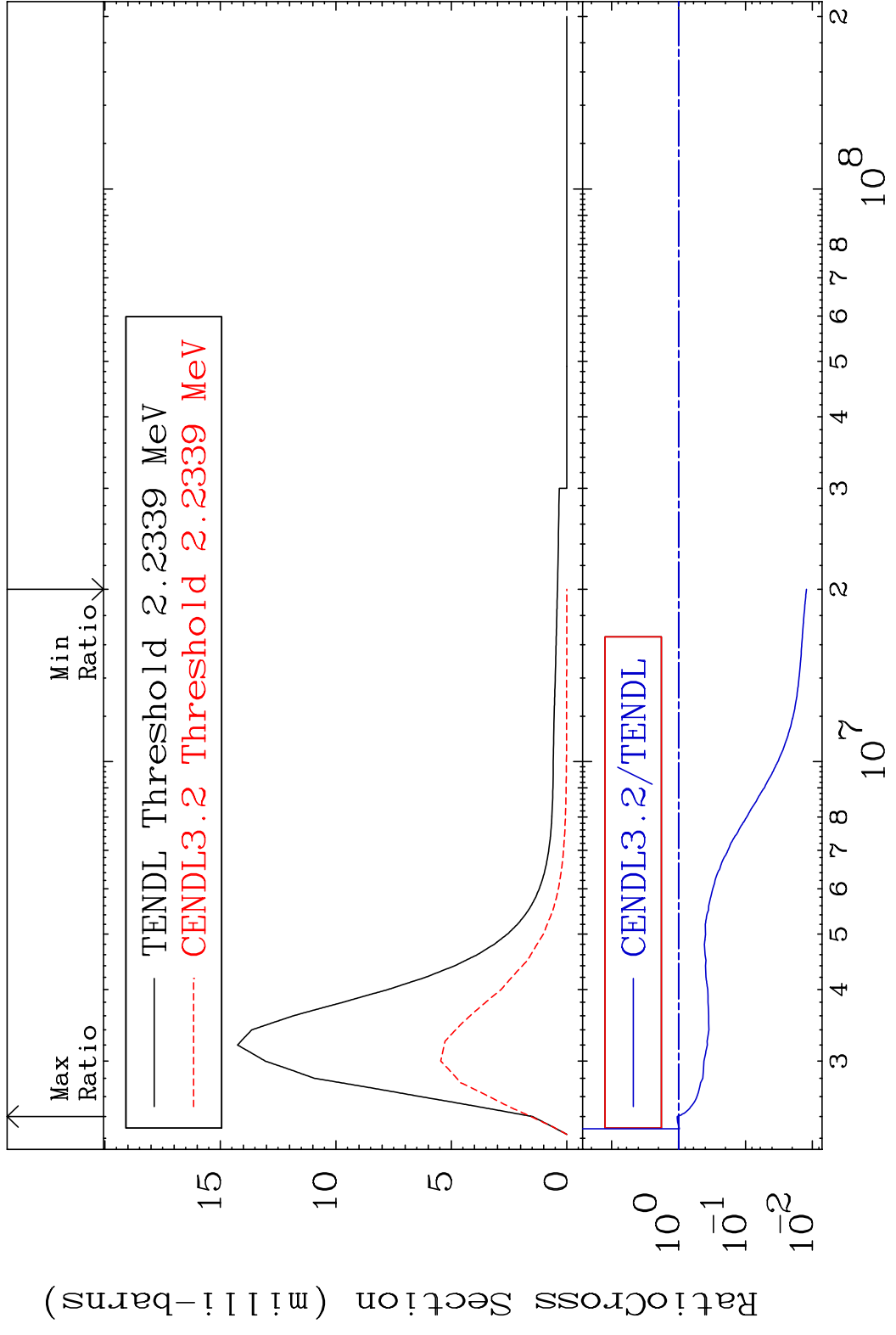
MAT 6031 MT= 61 (n, n') Level 60-Nd-144
 Cross Section -99.57 To 297.2 %



MAT 6031 MT= 62 (n, n') Level 60-Nd-144
 Cross Section -22.61 To 9999. %

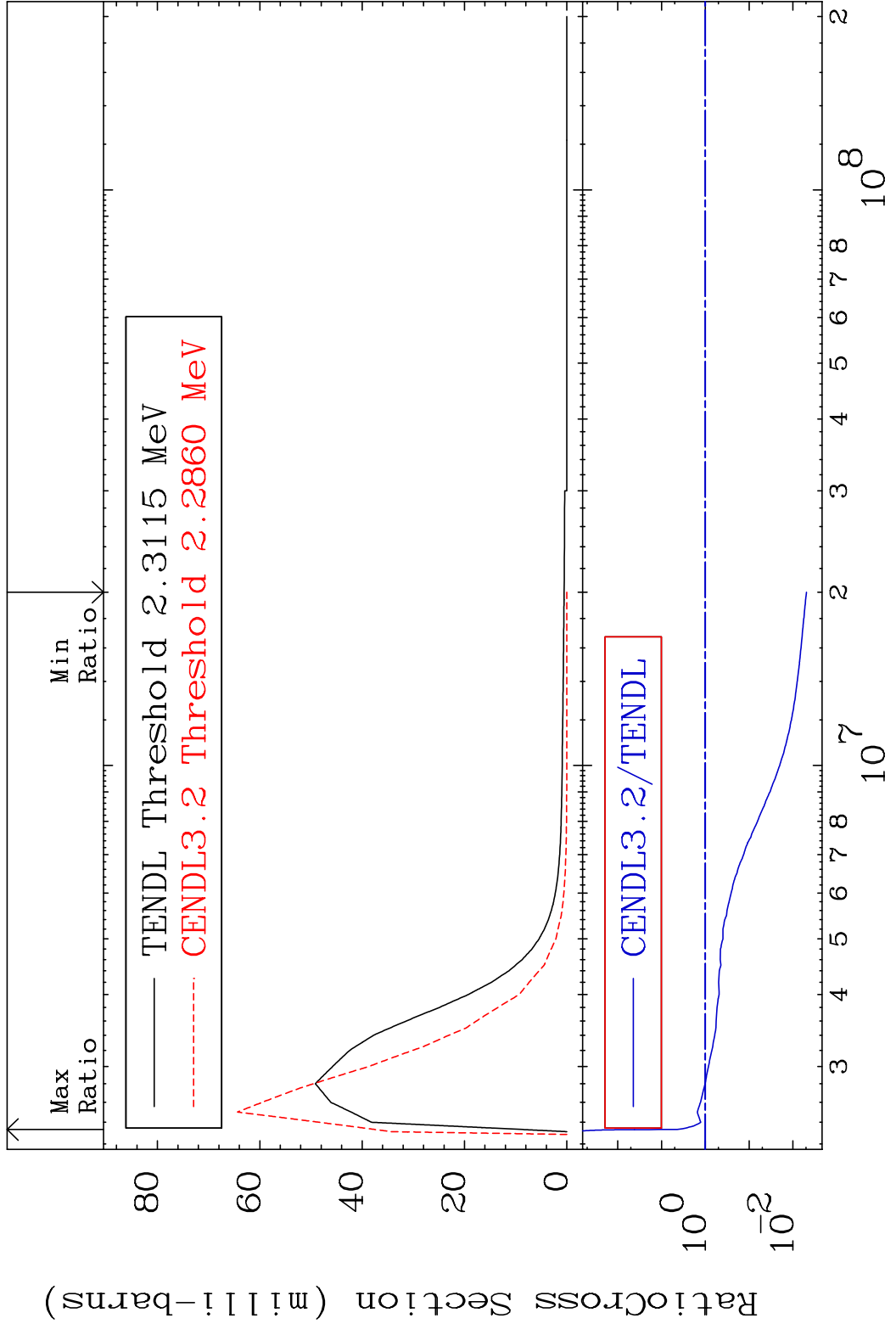


MAT 6031 MT= 63 (n, n') Level 60-Nd-144
 Cross Section -98.77 To 4.872 %

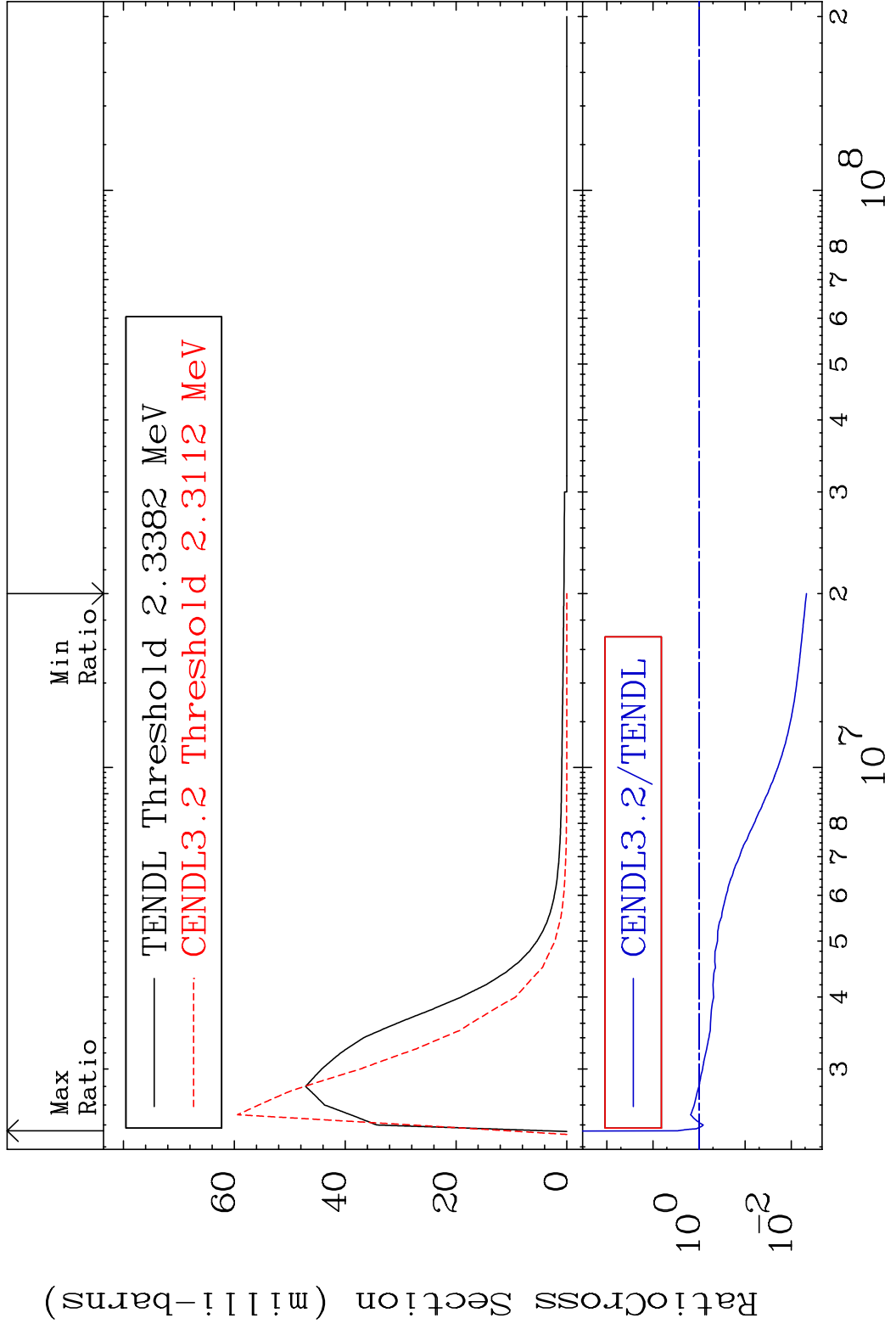


20 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 64 (n,n') Level 60-Nd-144
 Cross Section -99.51 To 338.5 %



MAT 6031 MT= 65 (n,n') Level 60-Nd-144
 Cross Section -99.53 To 198.6 %

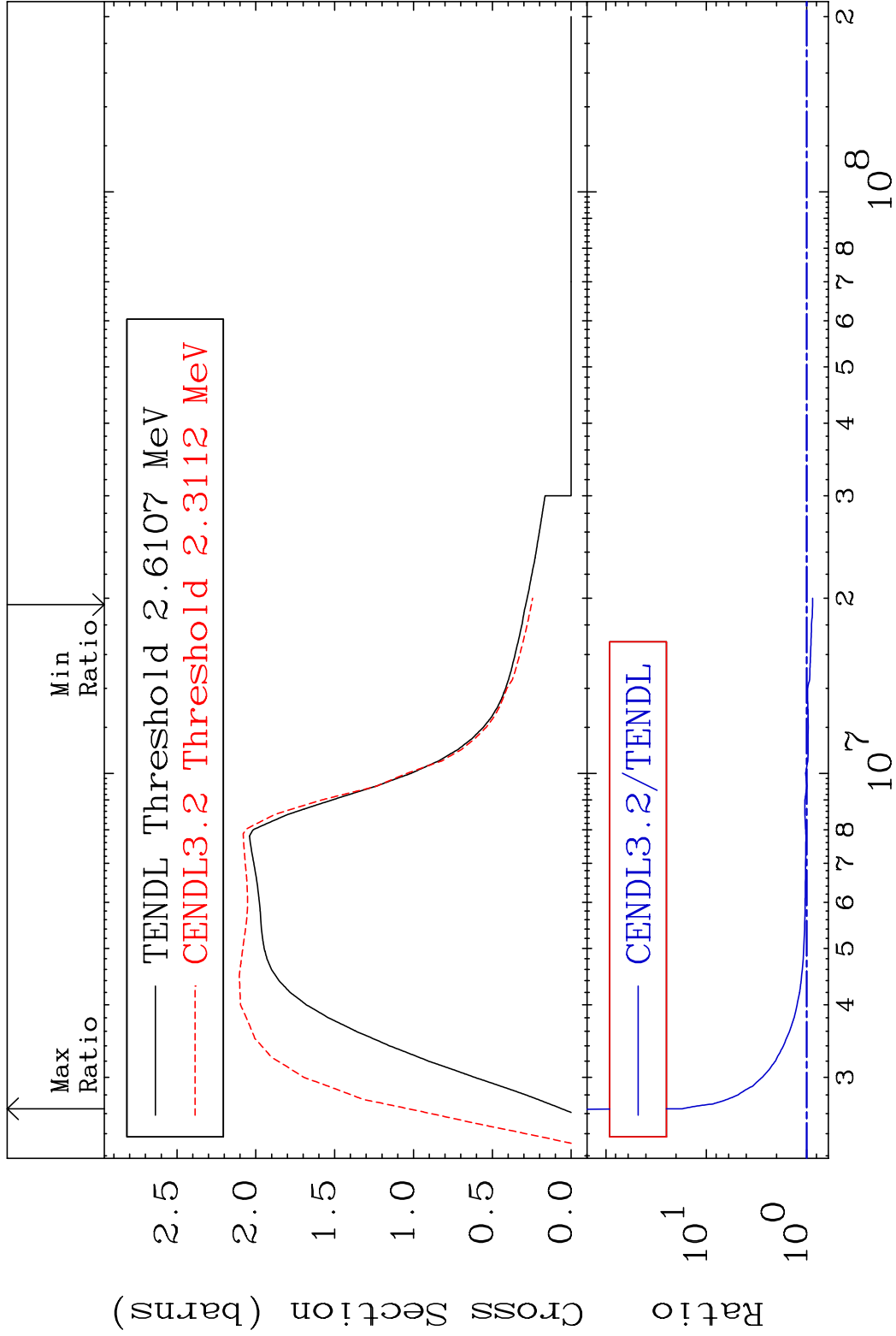


MAT 6031

(n,n') Continuum

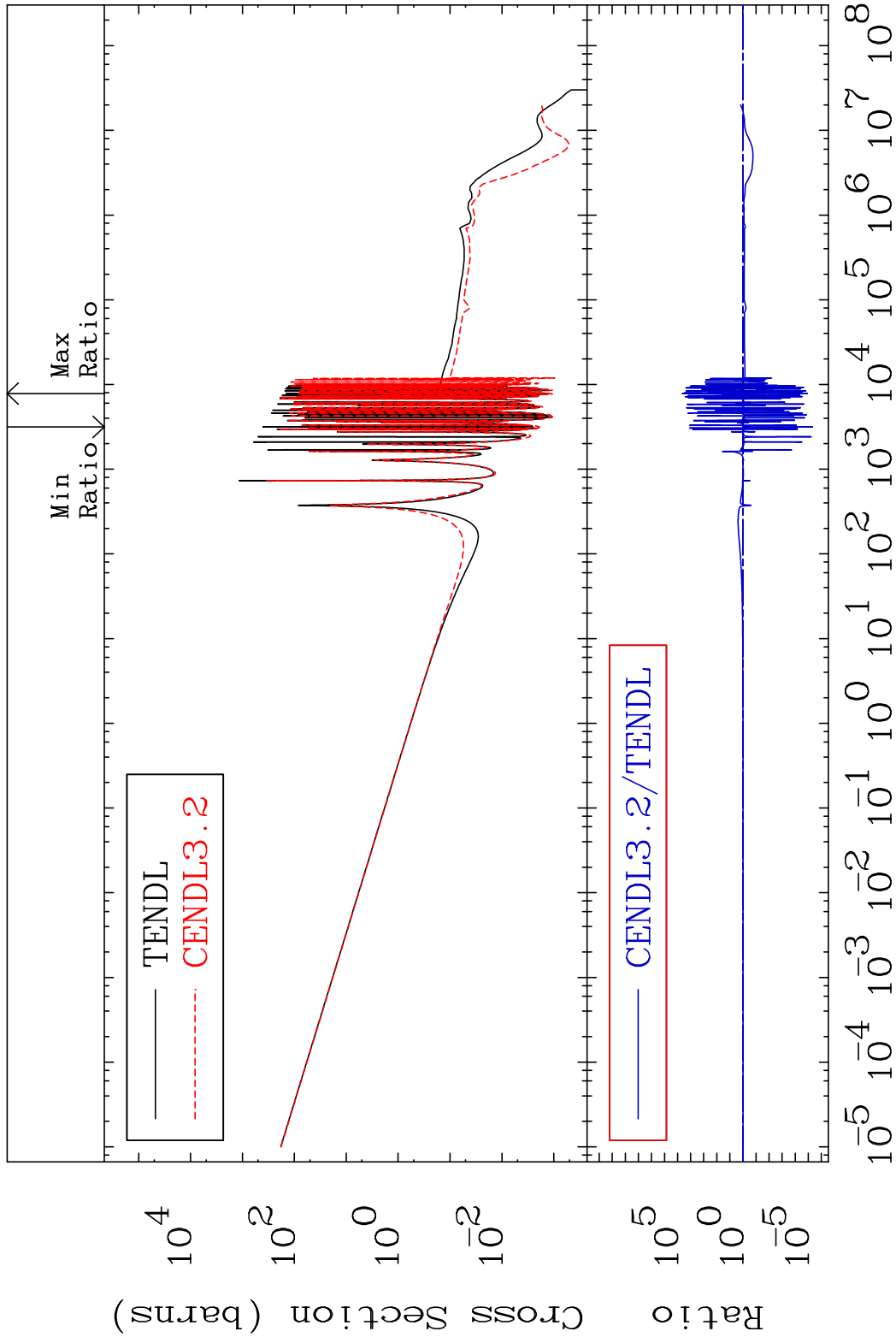
60-Nd-144

Cross Section -12.46 To 1632. %



MAT 6031

(n, γ)
Cross Section -100.0 To 9999. %
60-Nd-144



24

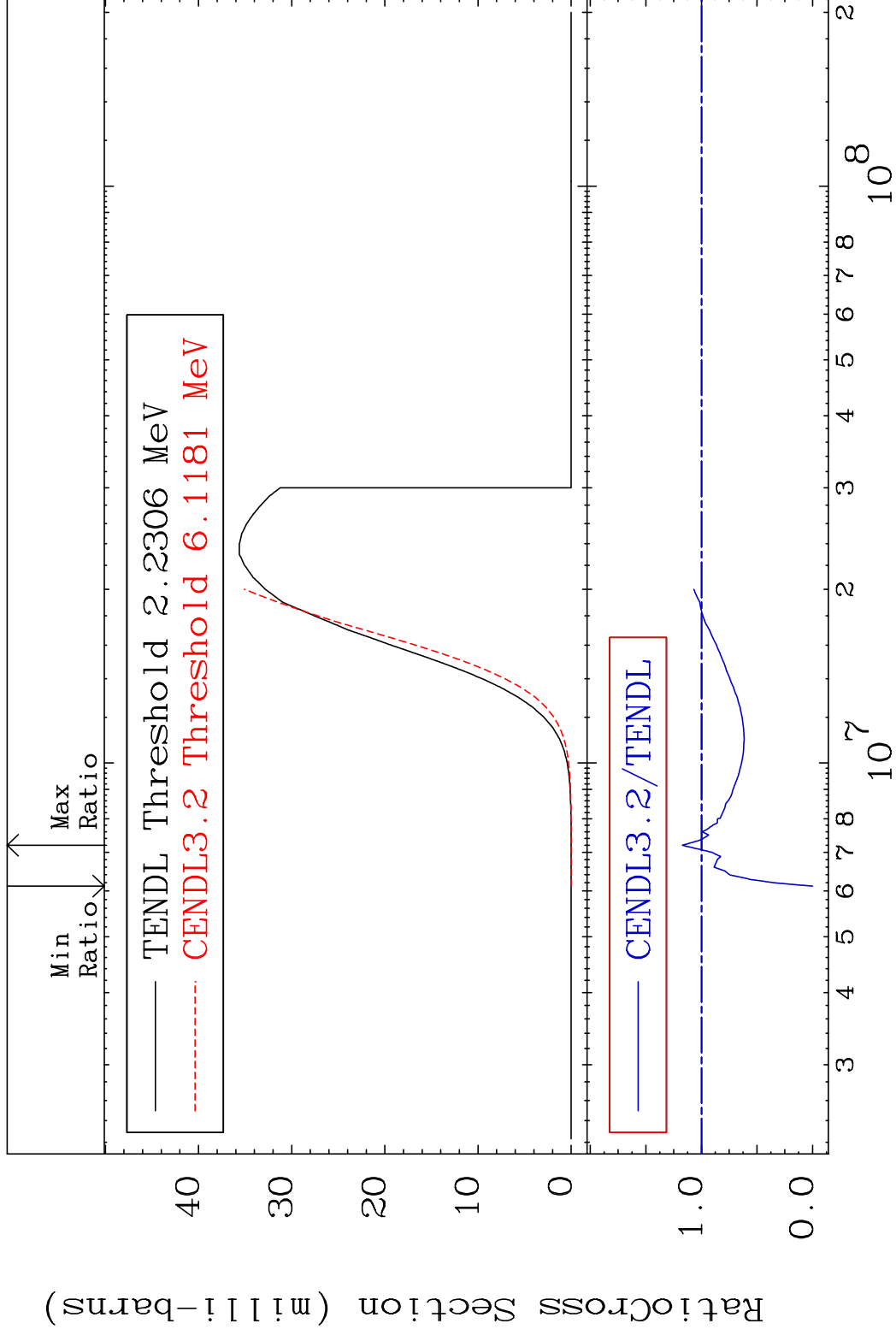
Incident Energy (eV) 60-Nd-144

MAT 6031

(n, p)

60-Nd-144

Cross Section -100.0 To 17.19 %



25

Incident Energy (eV)

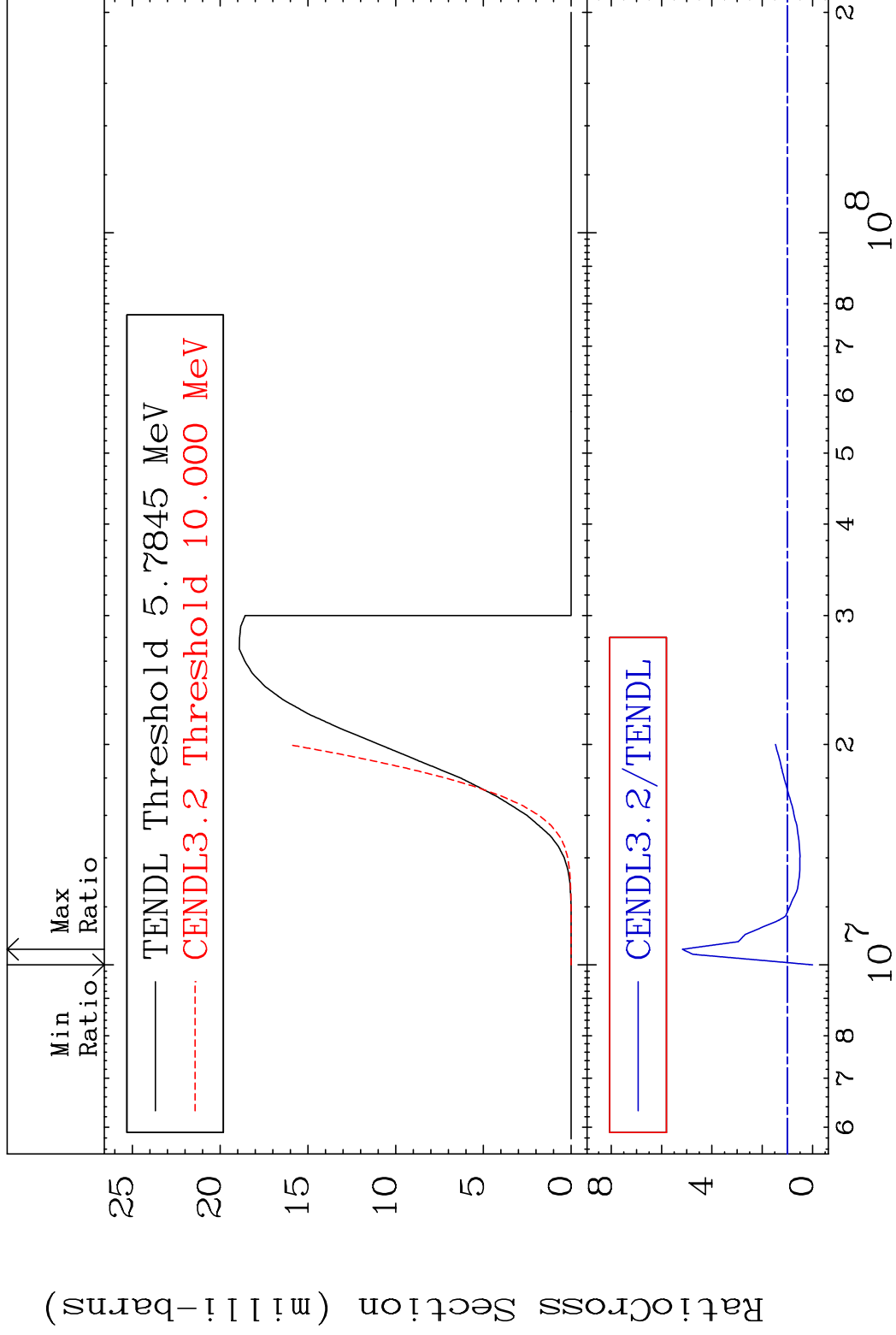
60-Nd-144

MAT 6031

(n, d)

60-Nd-144

Cross Section -100.0 To 417.5 %



26

Incident Energy (eV)

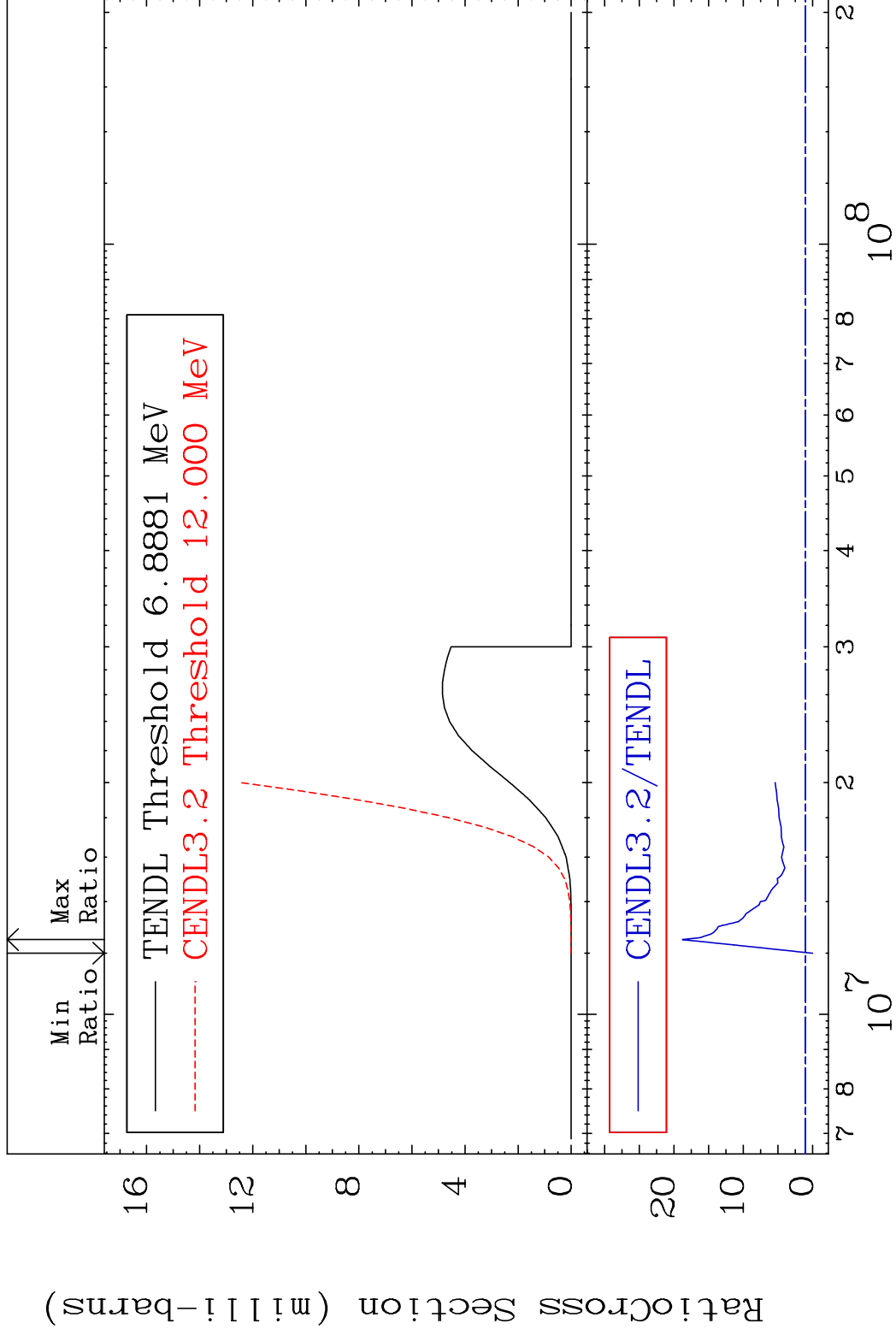
60-Nd-144

MAT 6031

(n, t)

60-Nd-144

Cross Section -100.0 To 1778. %



27

Incident Energy (eV)

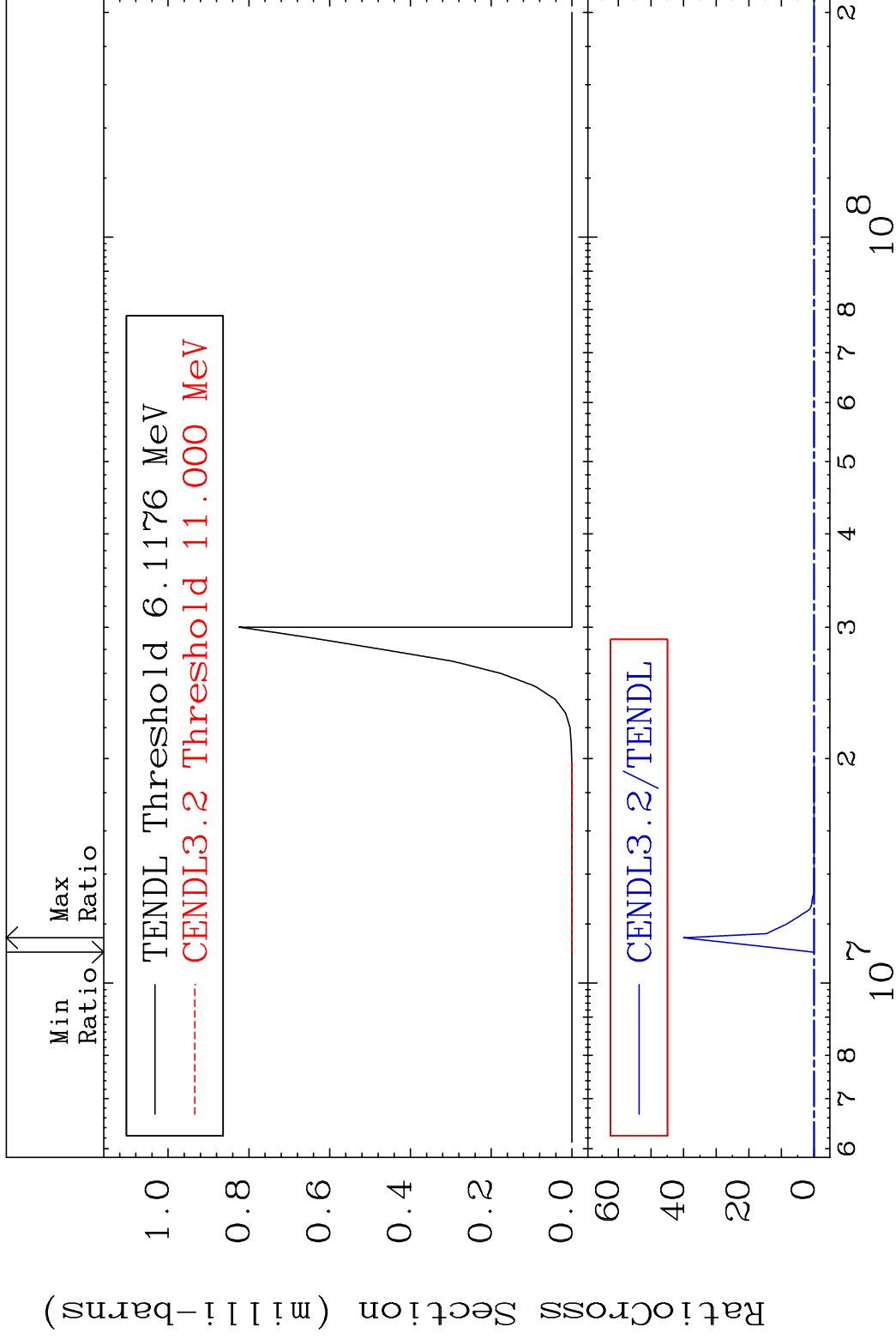
60-Nd-144

MAT 6031

(n, He-3)

60-Nd-144

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

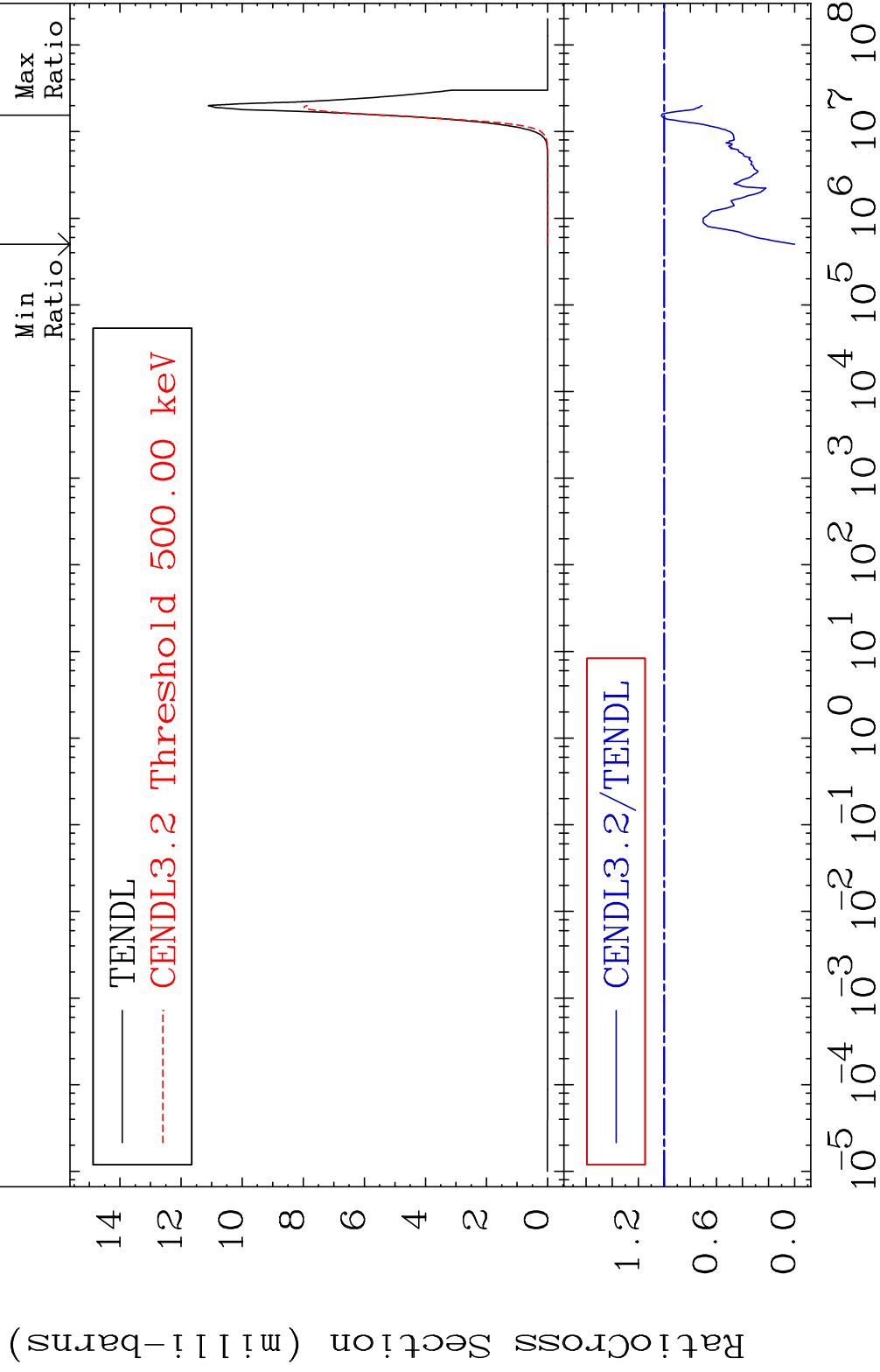
60-Nd-144

MAT 6031

(n, α)

60-Nd-144

Cross Section -100.0 To 2.215 %



29

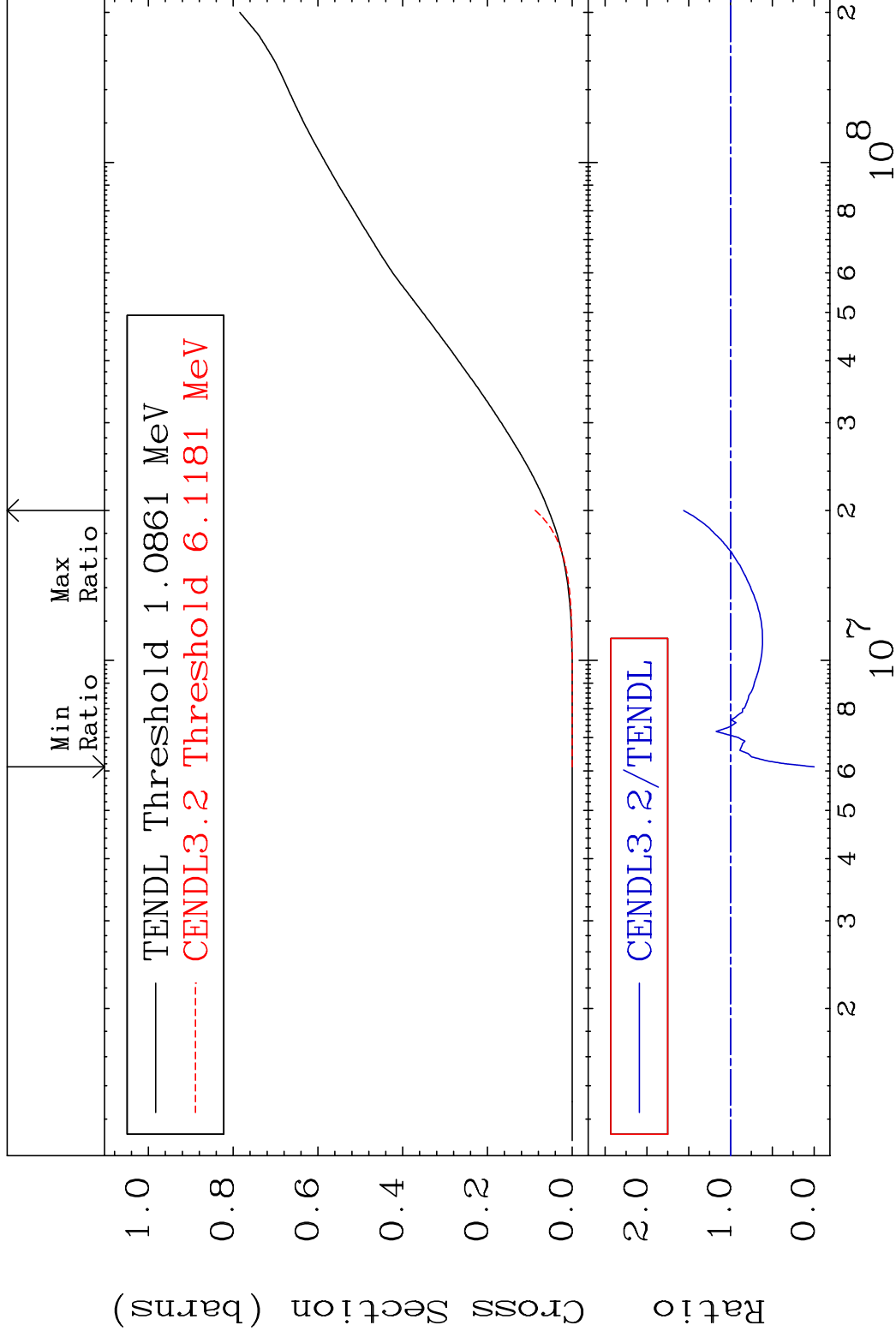
Incident Energy (eV)

60-Nd-144

MAT 6031

Hydrogen Production
Cross Section -100.0 To 56.04 %

60-Nd-144

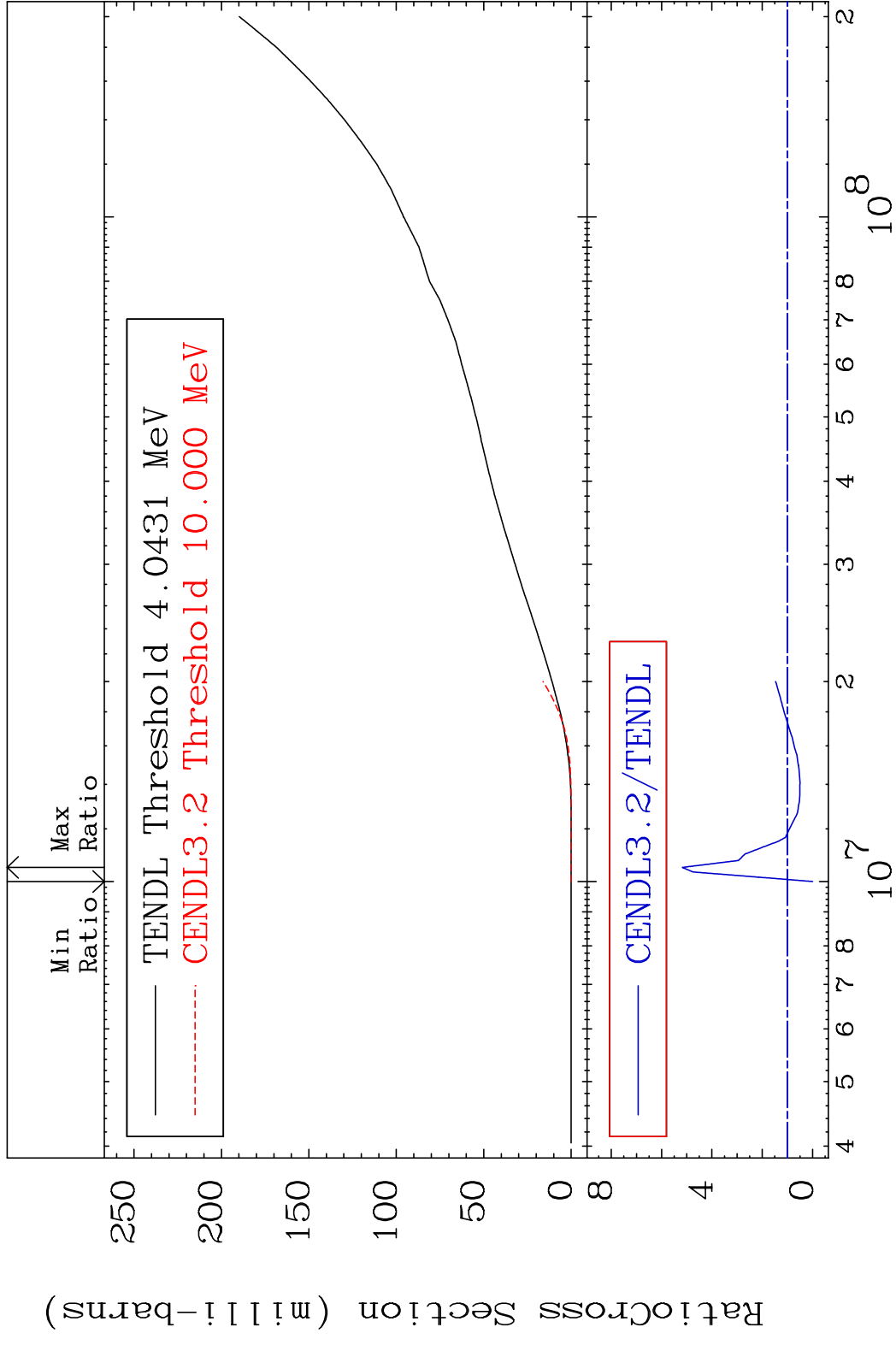


30

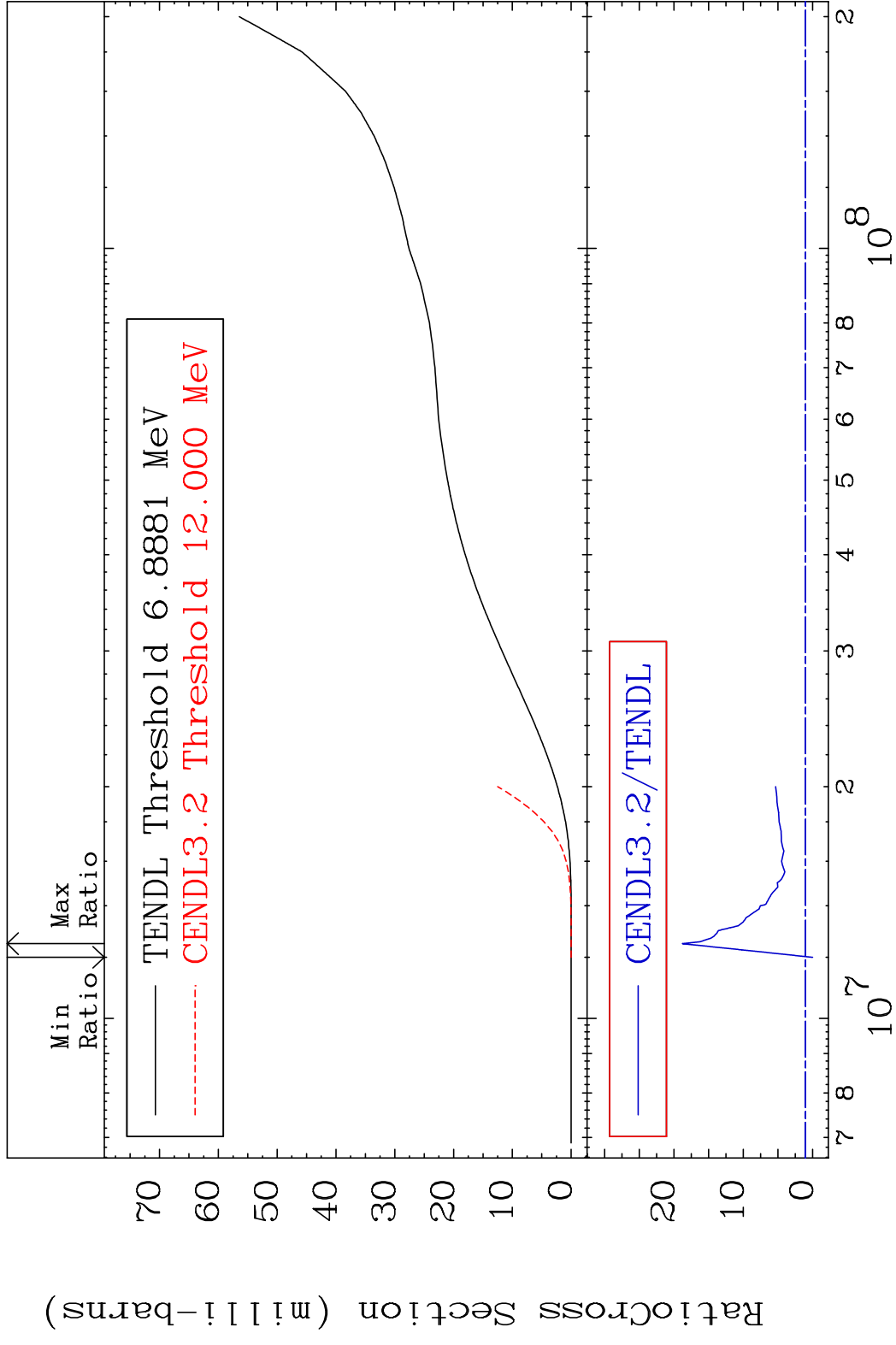
Incident Energy (eV)

60-Nd-144

MAT 6031 Deuterium Production 60-Nd-144
 Cross Section -100.0 To 417.5 %



MAT 6031 Tritium Production 60-Nd-144
 Cross Section -100.0 To 1778. %

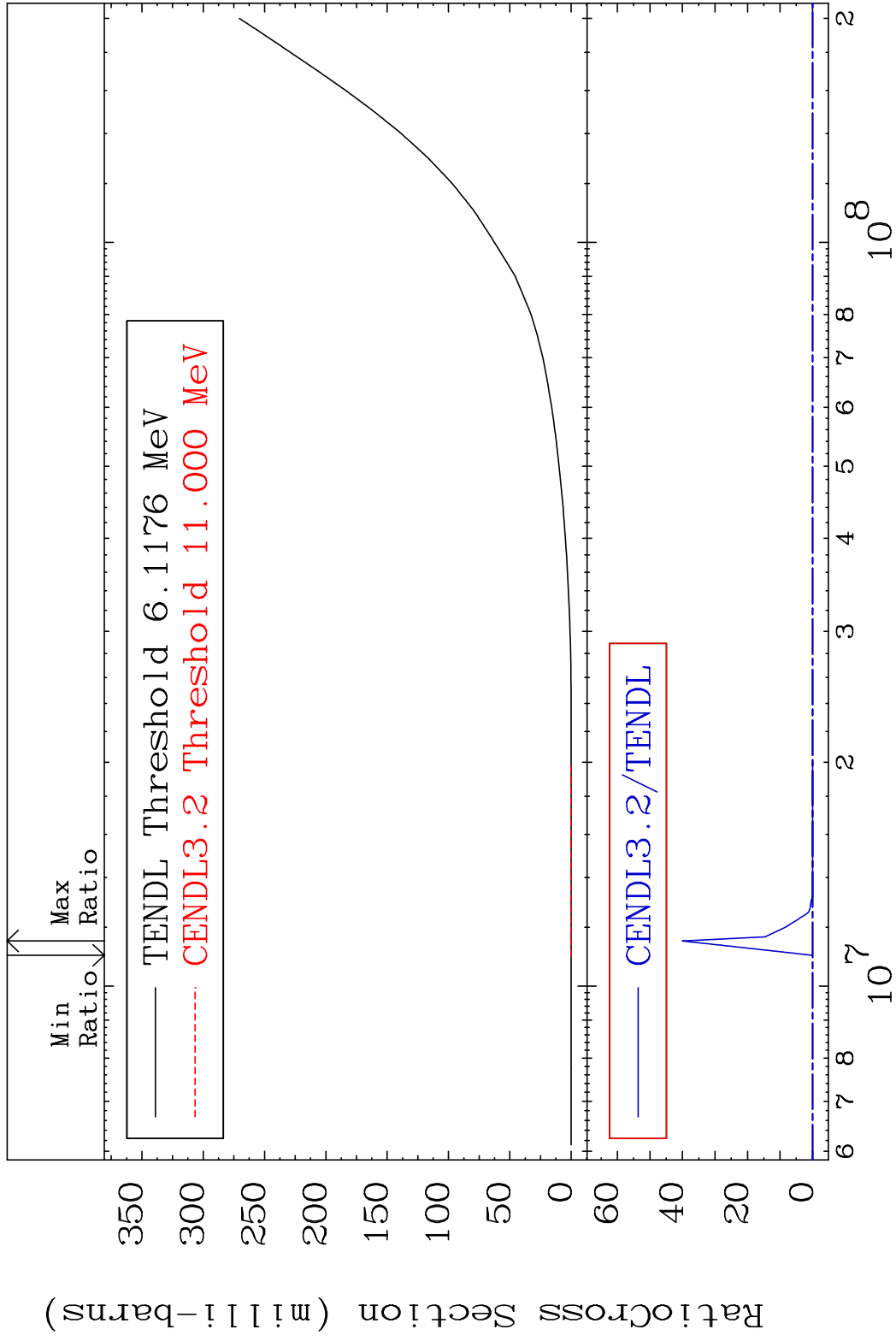


MAT 6031

He-3 Production

60-Nd-144

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

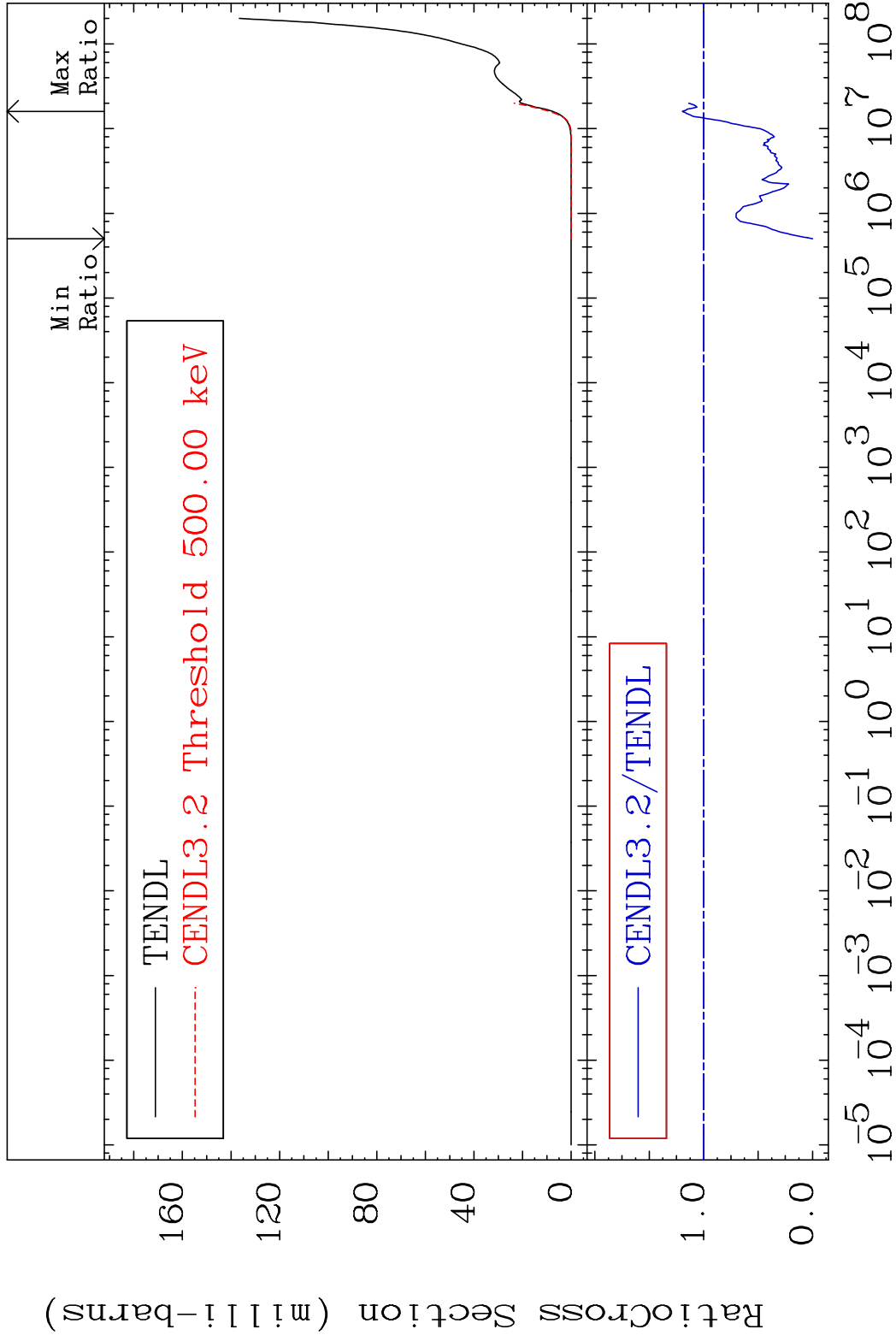
60-Nd-144

MAT 6031

He-4 Production

60-Nd-144

Cross Section -100.0 To 19.61 %

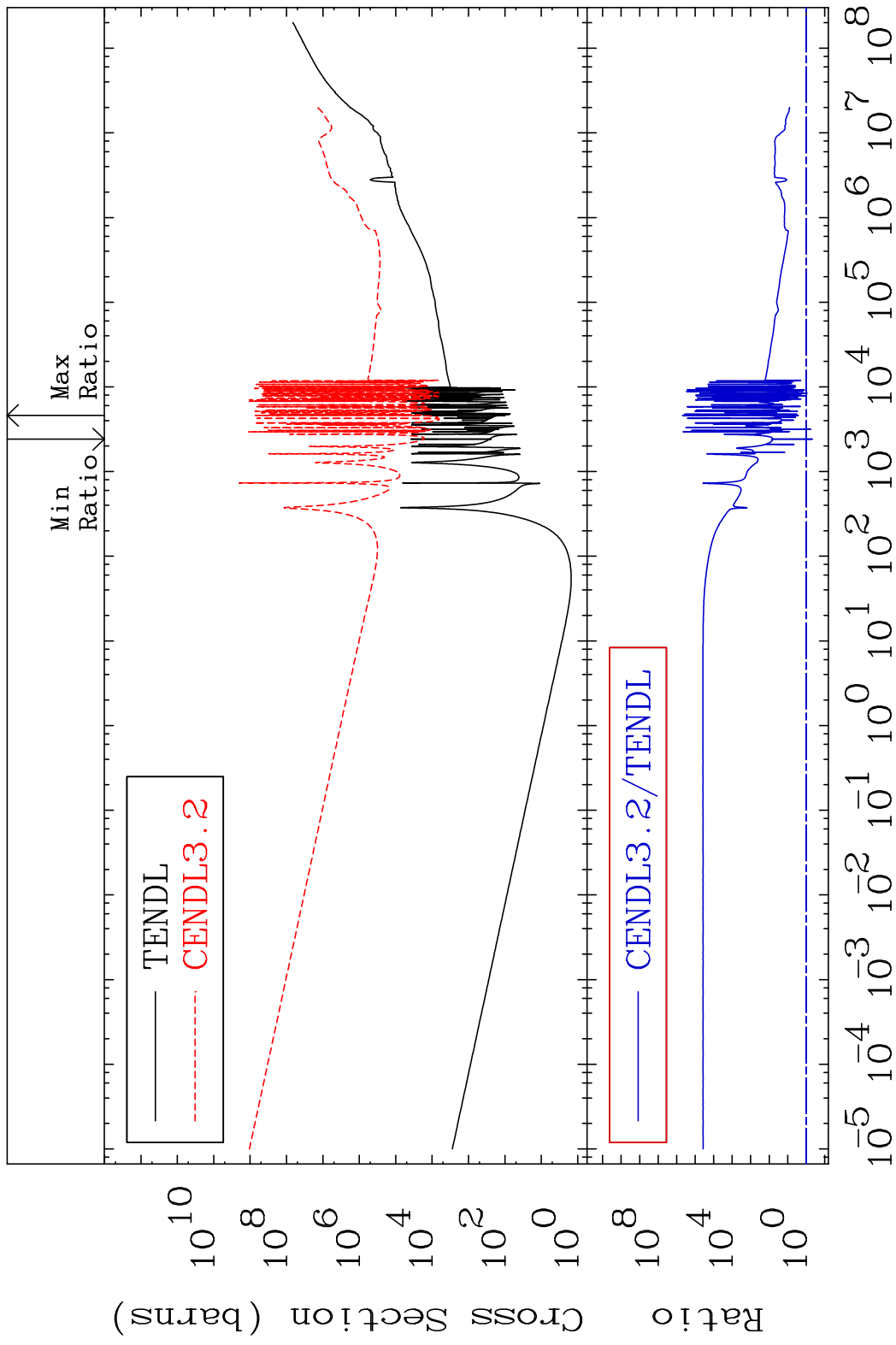


34

Incident Energy (eV)

60-Nd-144

MAT 6031 Kerma total (eV-barns) 60-Nd-144
 Cross Section -54.63 To 9999. %

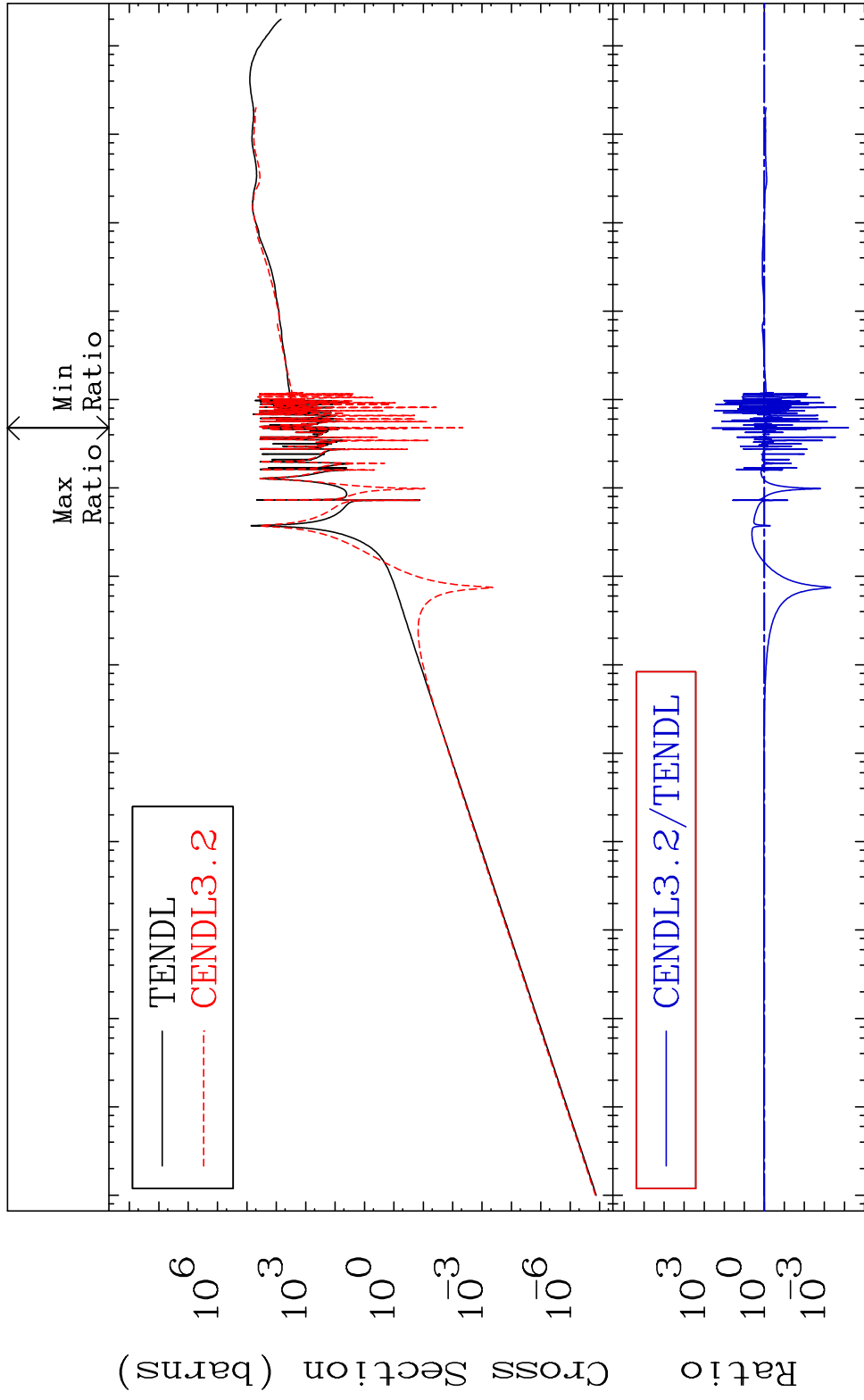


35 Incident Energy (eV) 60-Nd-144

MAT 6031

Kerma elastic
Cross Section -99.99 To 9999. %

60-Nd-144

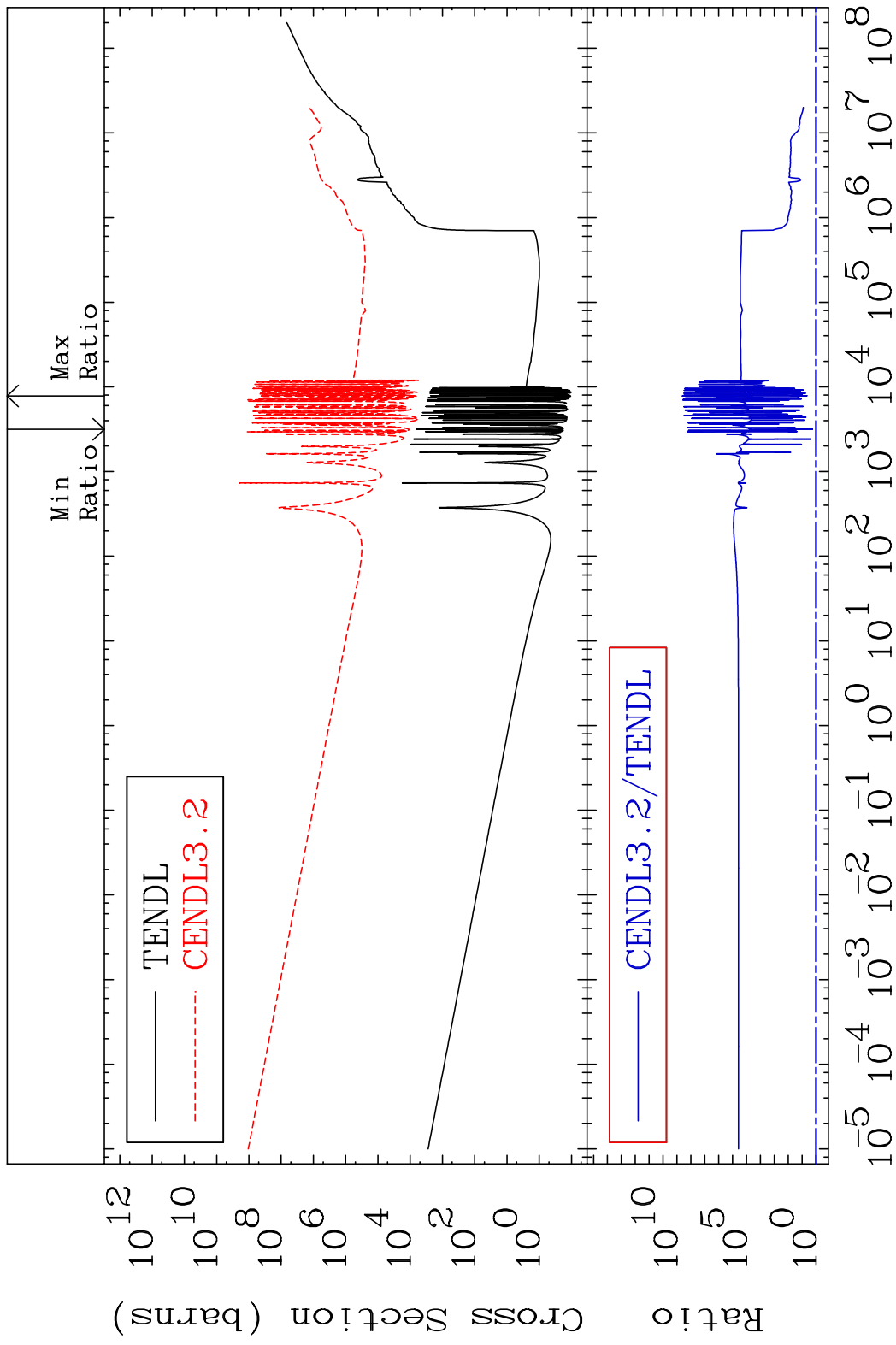


36

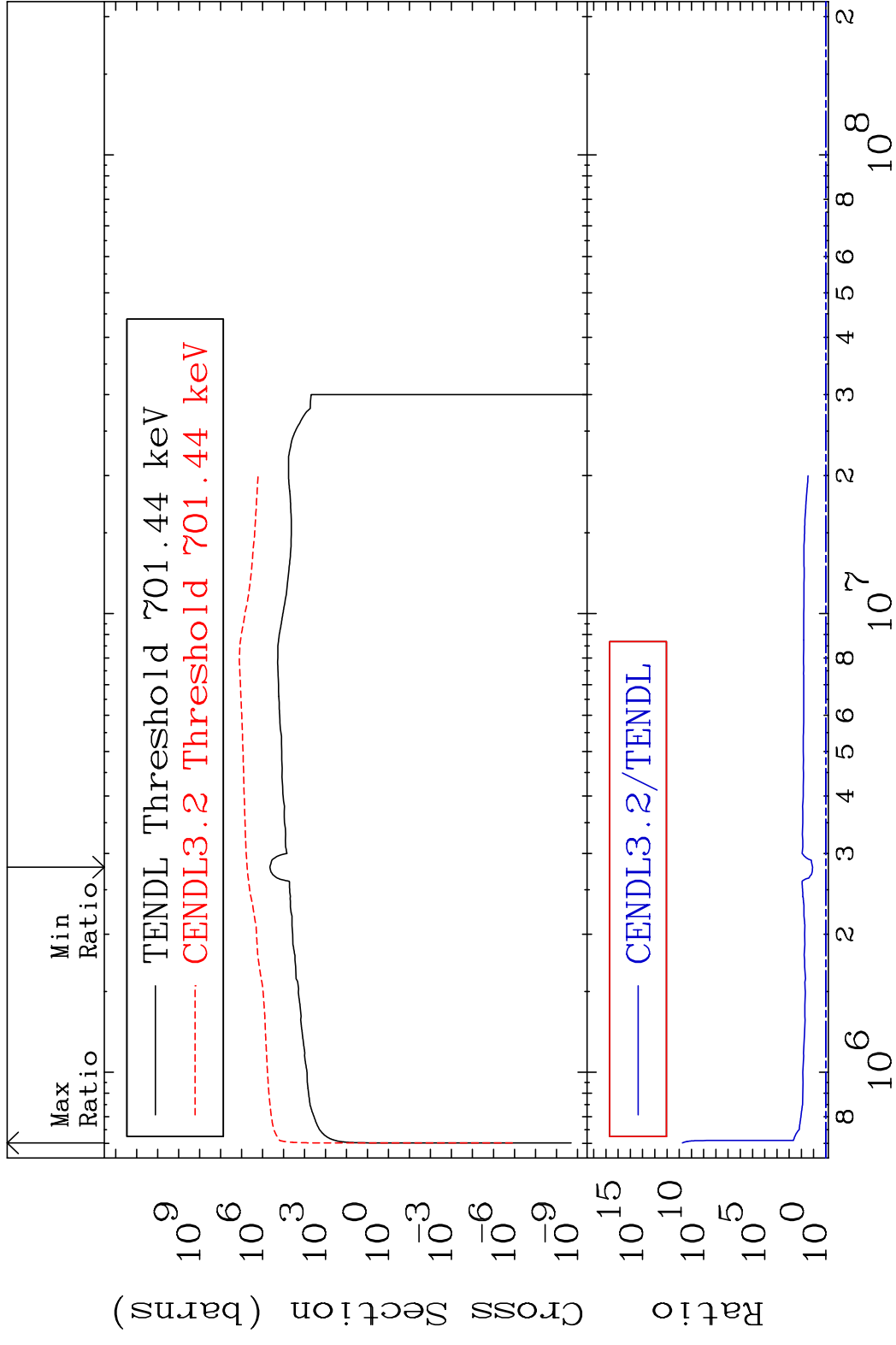
Incident Energy (eV)

60-Nd-144

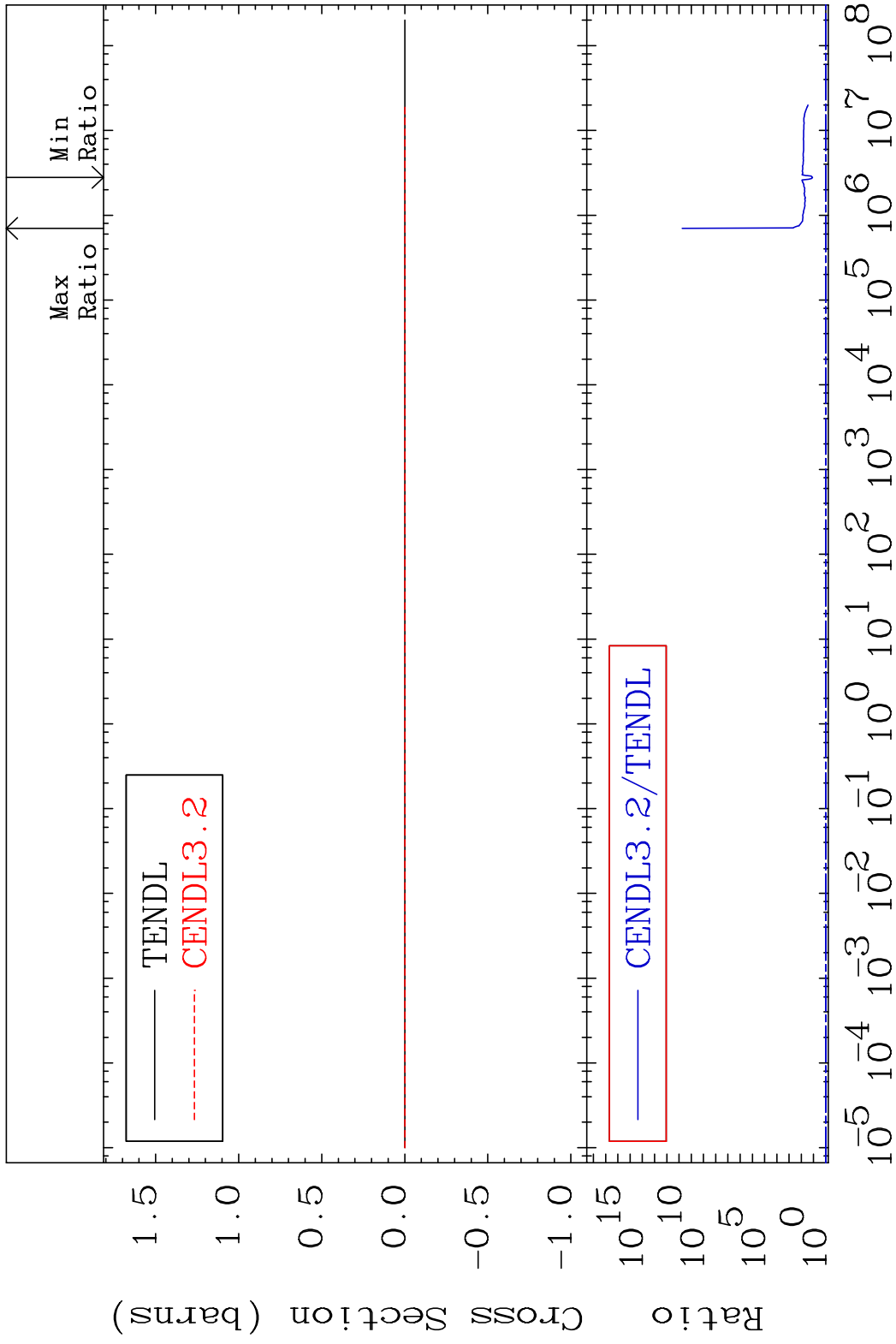
MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144
 Cross Section 74.79 To 9999. %



MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144
 Cross Section 1122. To 9999. %



MAT 6031 Kerma fission (mt18 or mt19-20-21-38) ^{60}Nd -144
 Cross Section 1122. To 9999. %

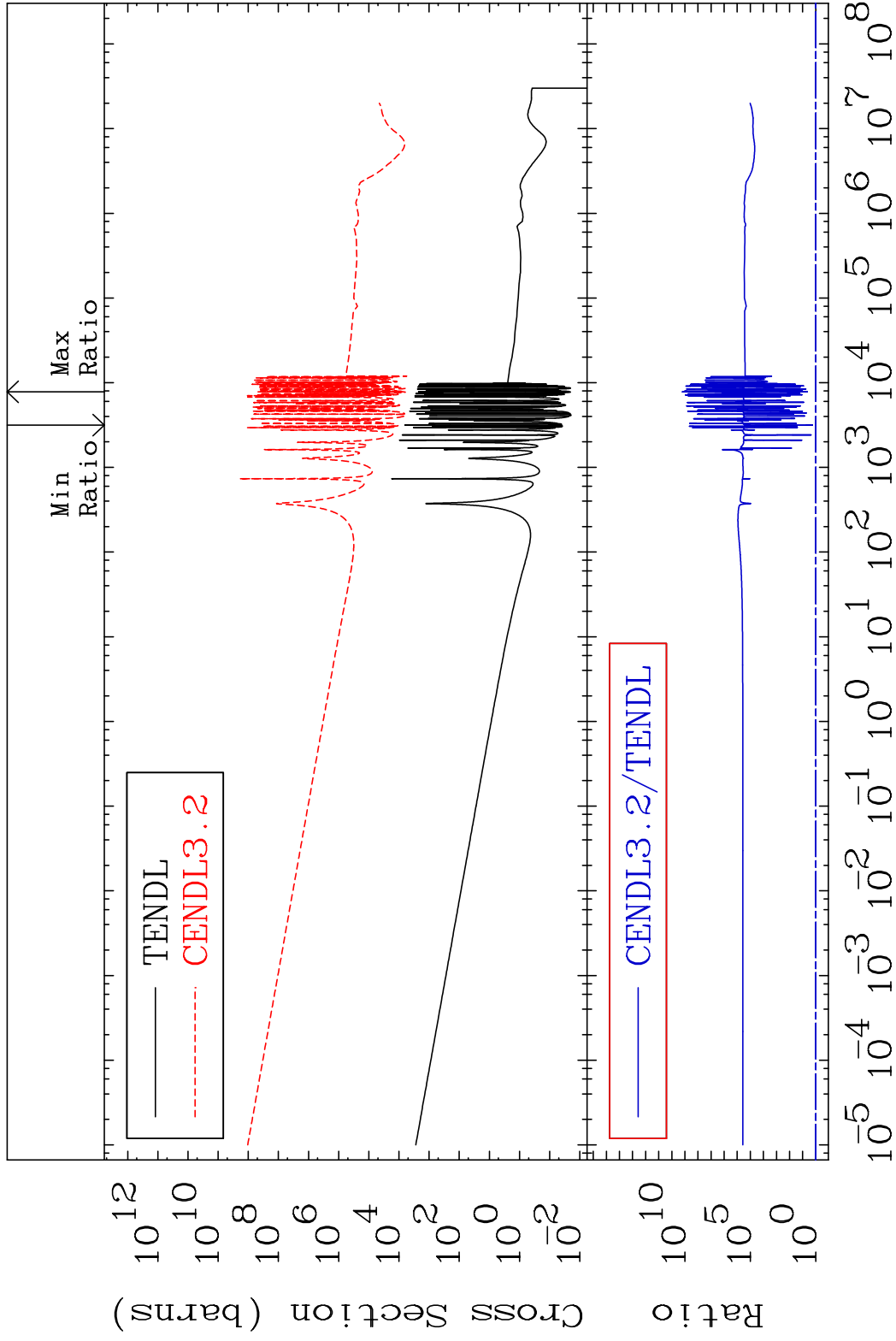


MAT 6031

Kerma capture (mt102)

60-Nd-144

Cross Section 74.80 To 9999. %

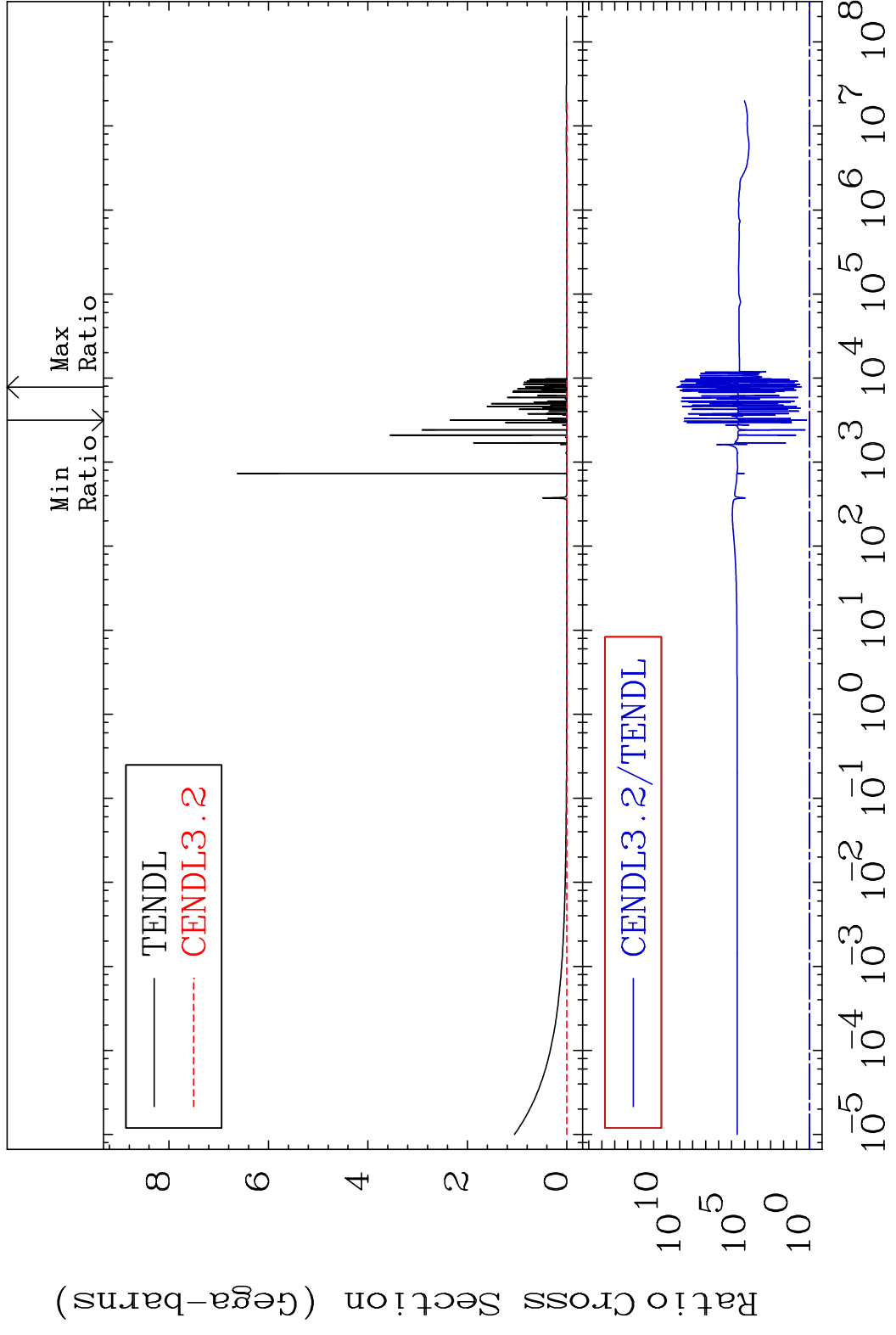


40

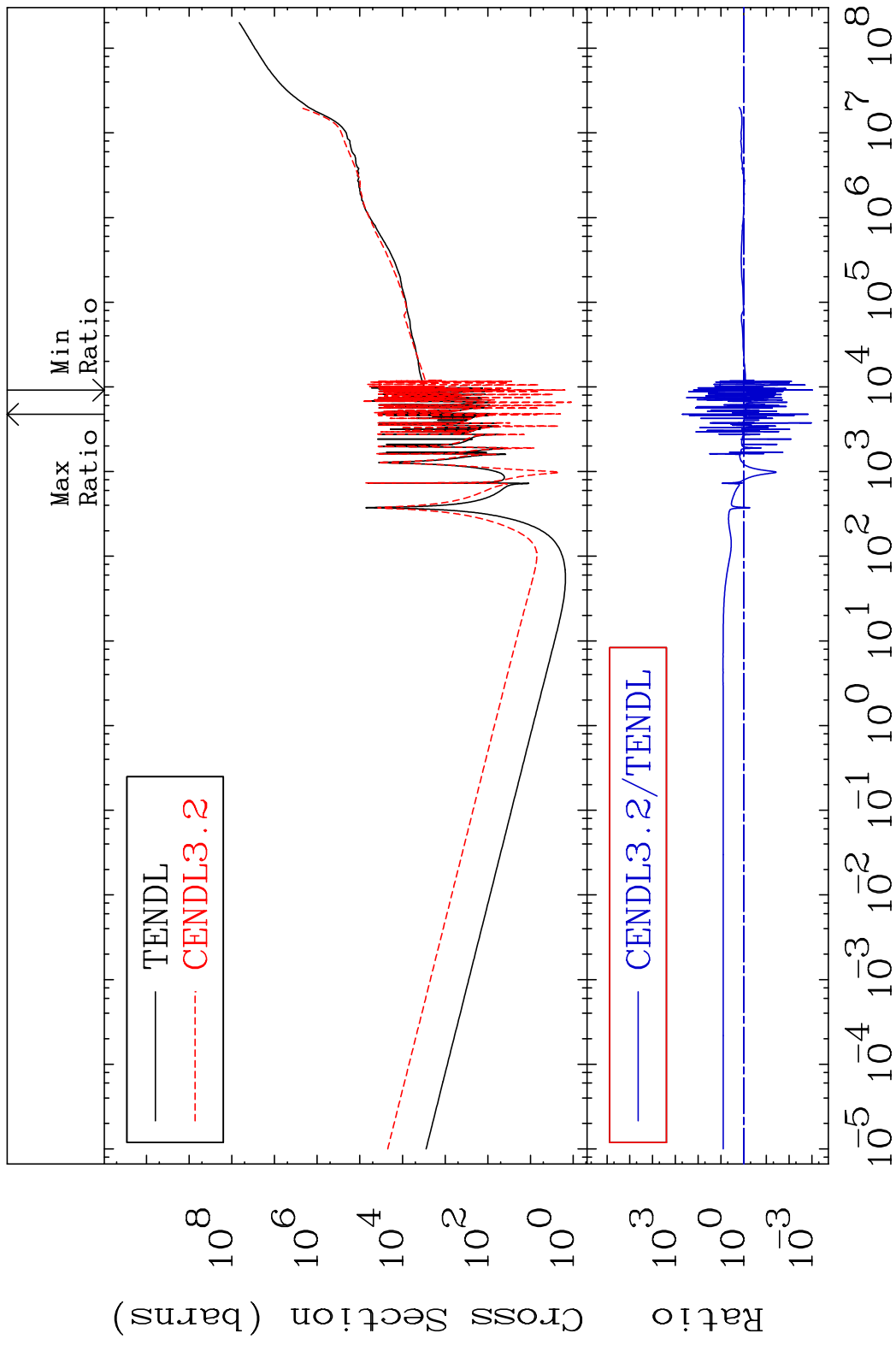
Incident Energy (eV)

60-Nd-144

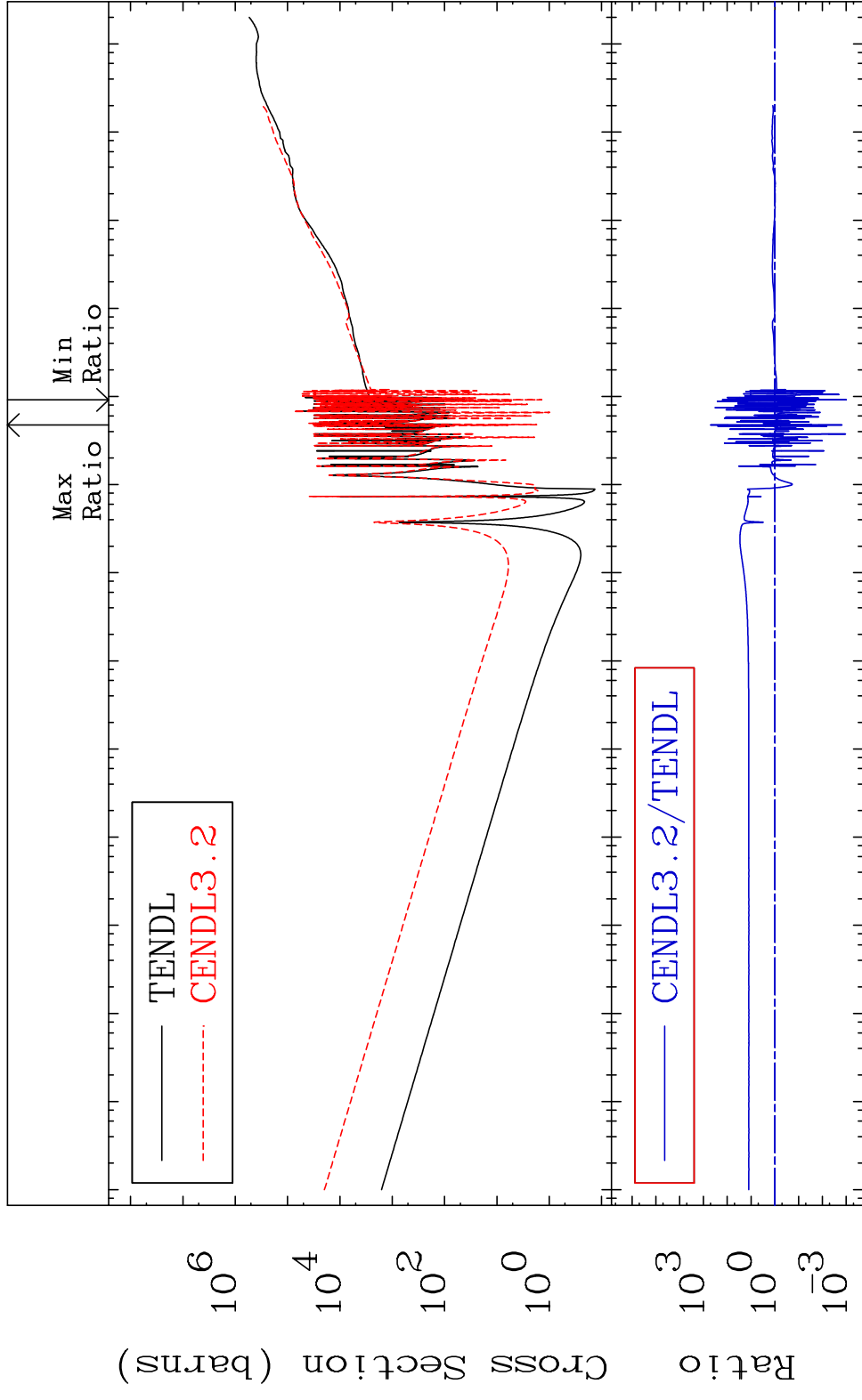
MAT 6031 Total photon (eV-barns) 60-Nd-144
 Cross Section 74.80 To 9999. %



MAT 6031 Total kinematic kerma (high limit) 60-Nd-144
 Cross Section -99.91 To 9999. %

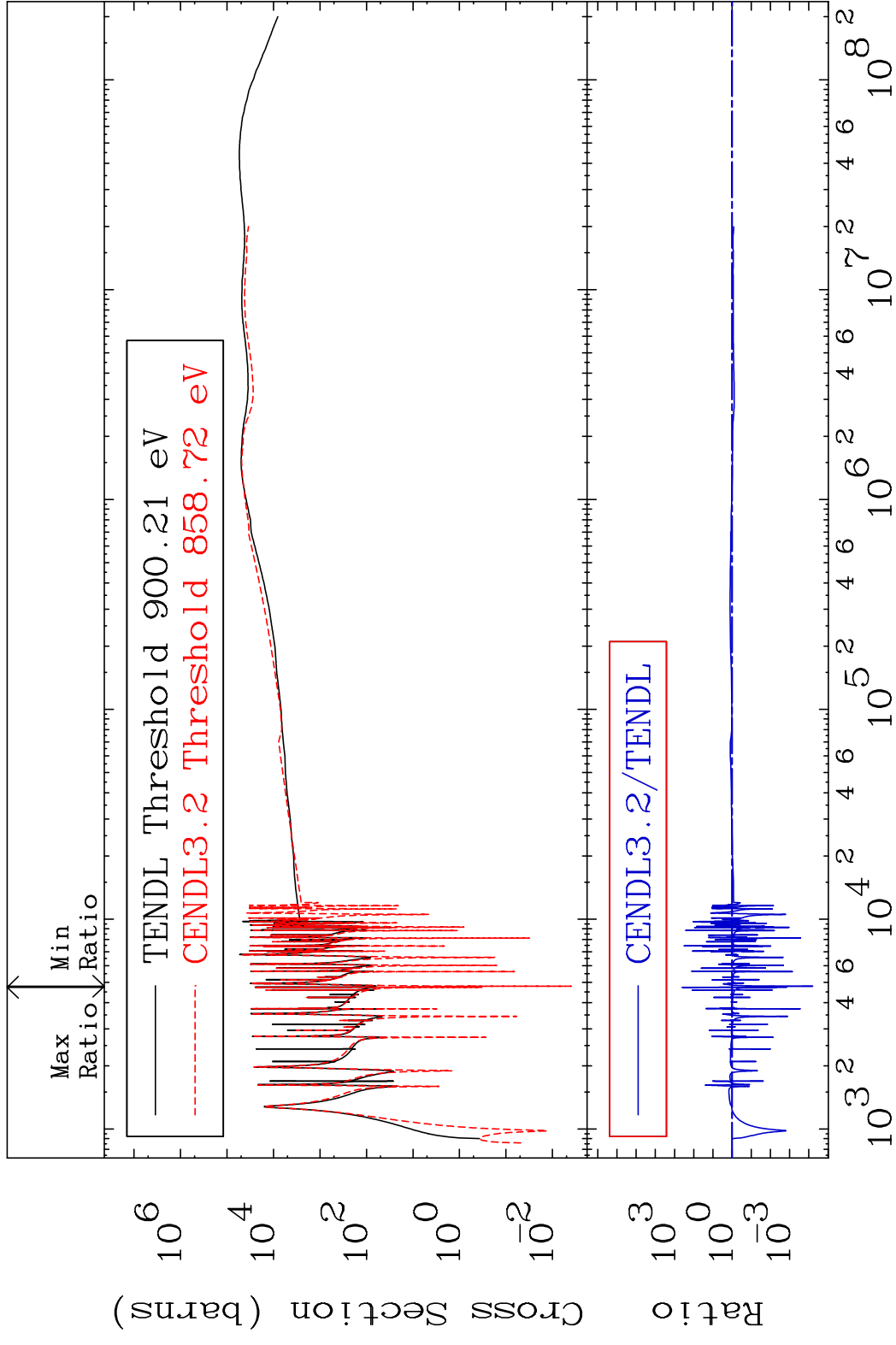


MAT 6031 Dpa total (eV-barns) 60-Nd-144
 Cross Section -99.90 To 9999. %

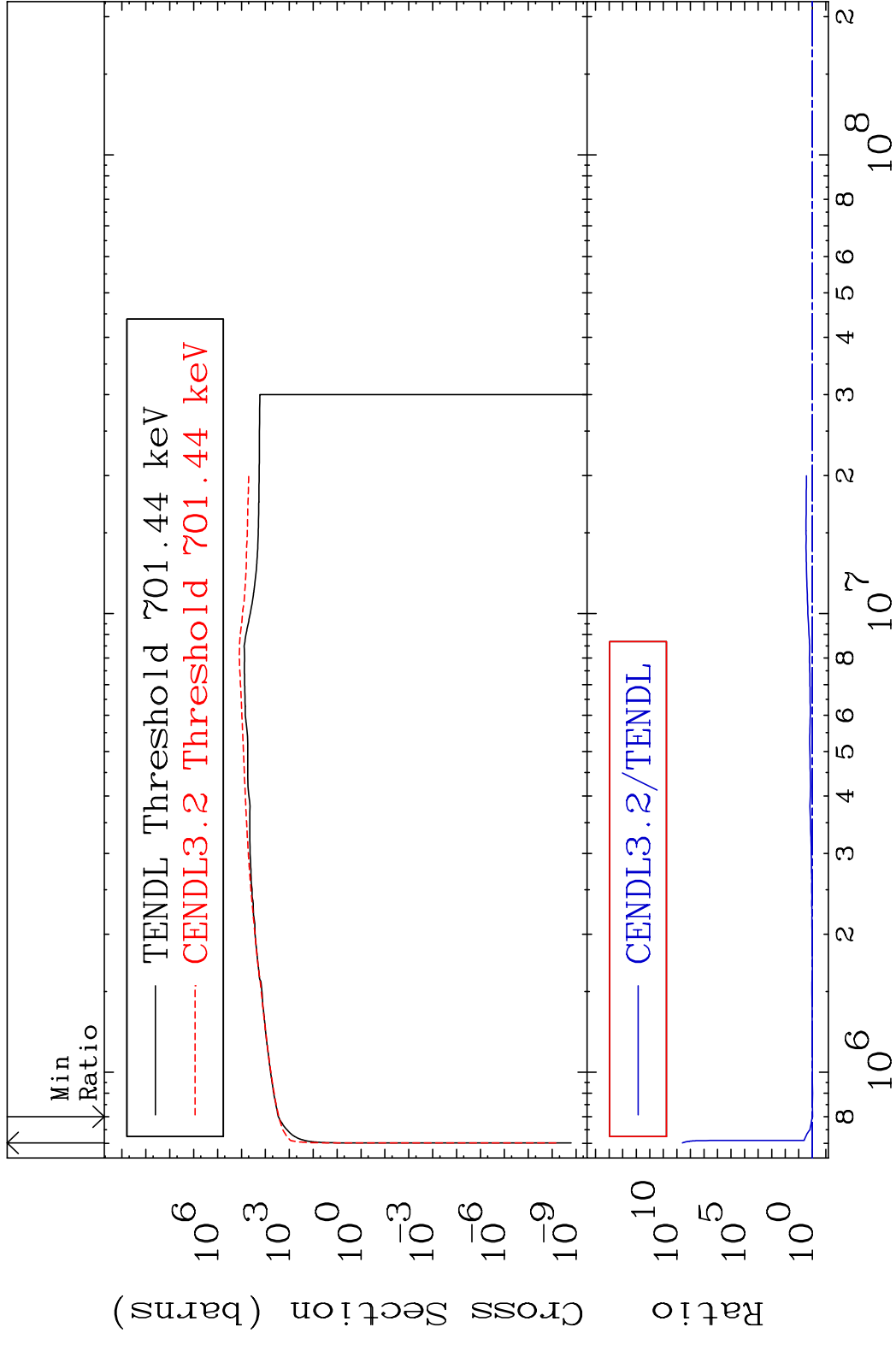


43 Incident Energy (eV) 60-Nd-144

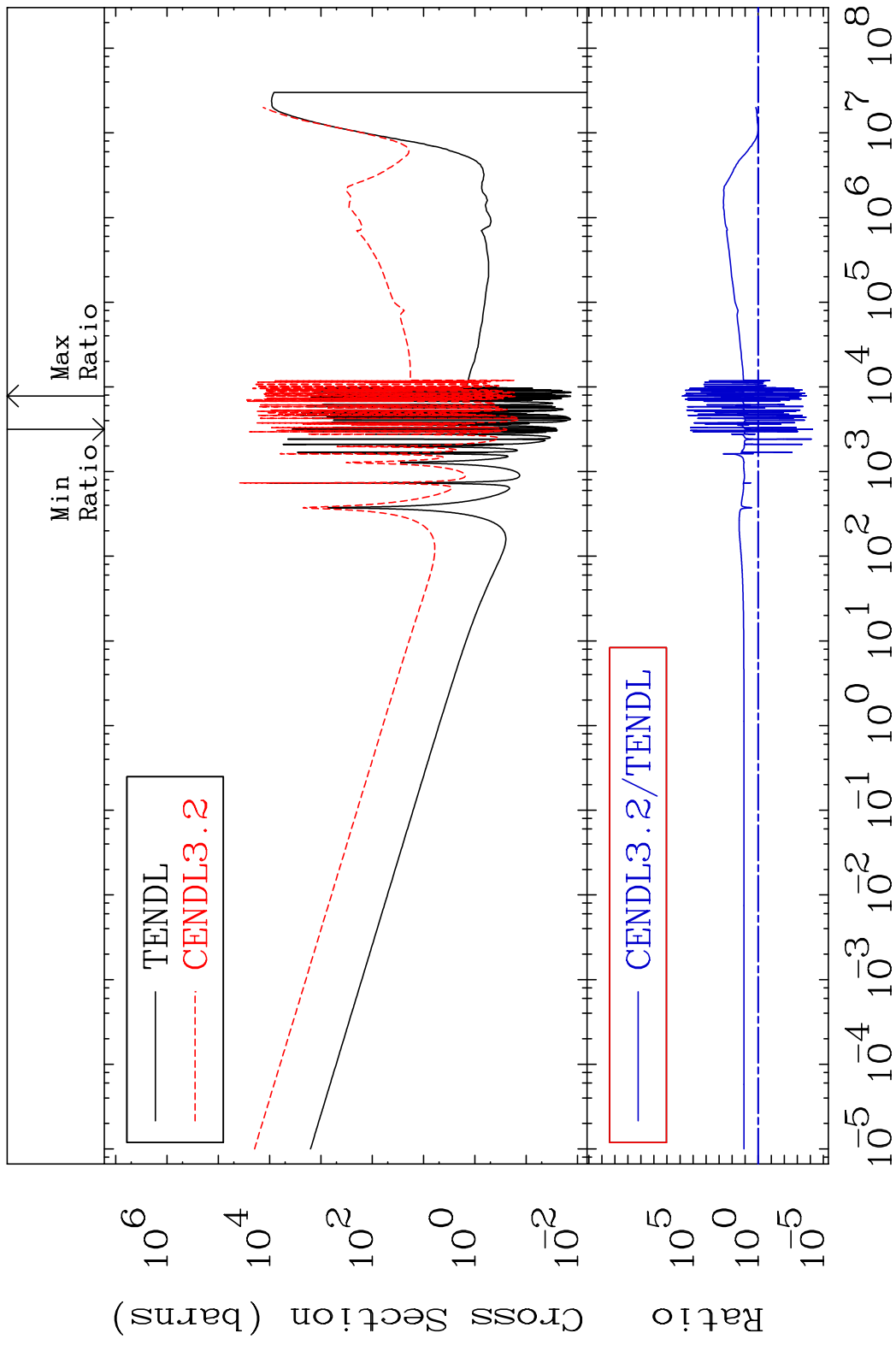
MAT 6031 Dpa elastic (mt2) 60-Nd-144
 Cross Section -99.99 To 9999. %



MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144
 Cross Section -3.991 To 9999. %



MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144
 Cross Section -99.99 To 9999. %

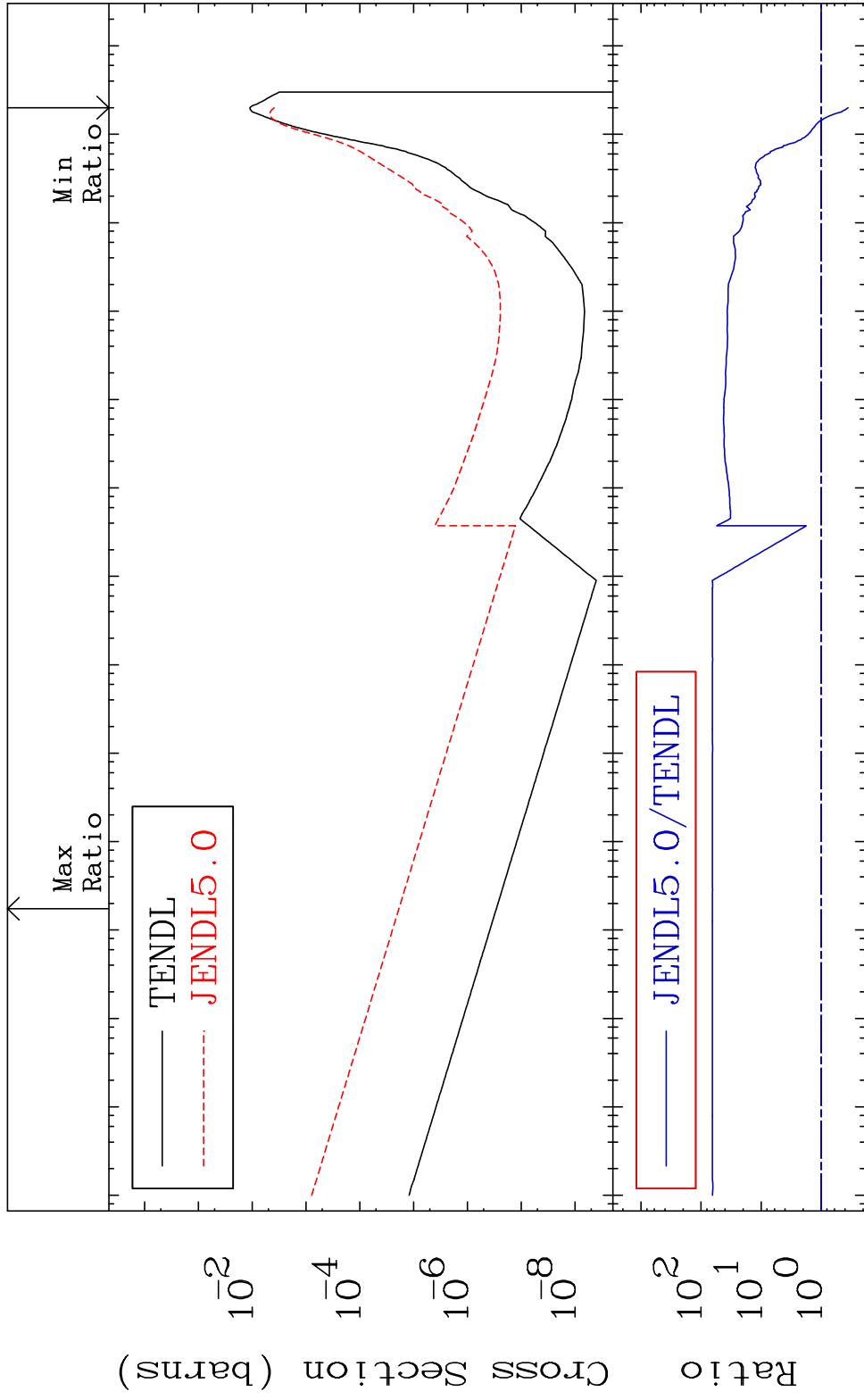


MAT 6031

(n, α)

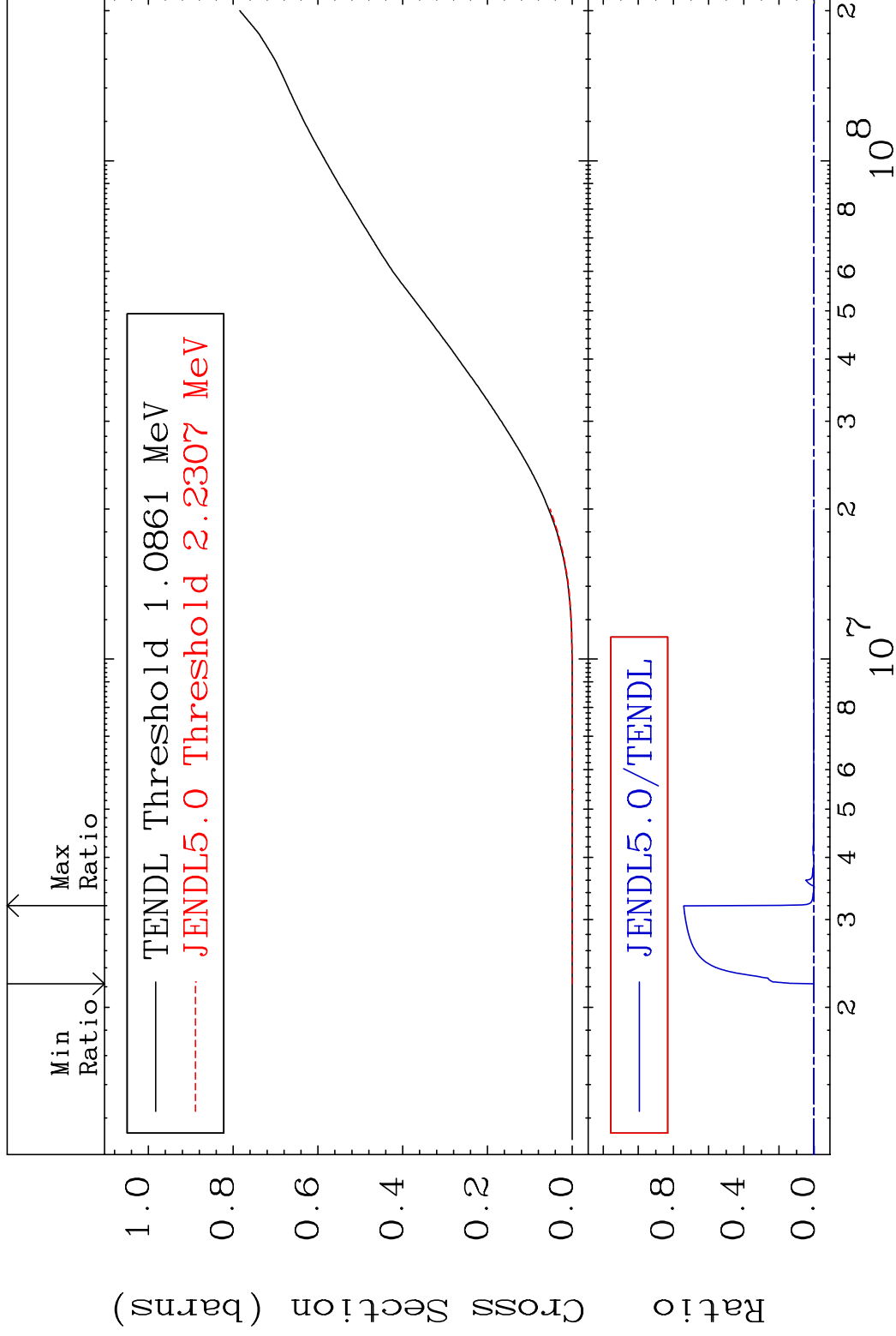
60-Nd-144

Cross Section -64.69 To 6387. %



MAT 6031

Hydrogen Production 60-Nd-144
Cross Section -100.0 To 9999. %

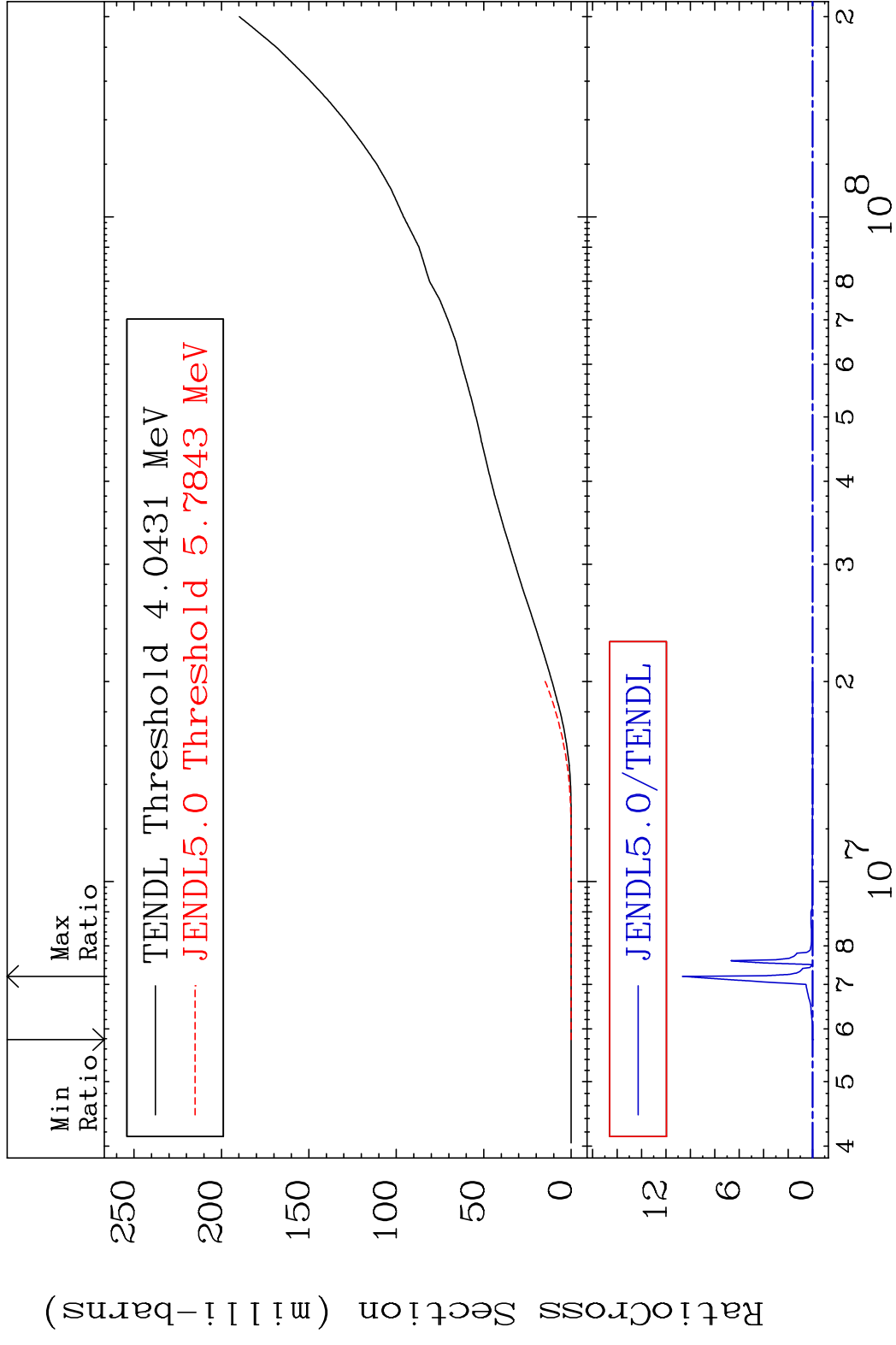


48

Incident Energy (eV)

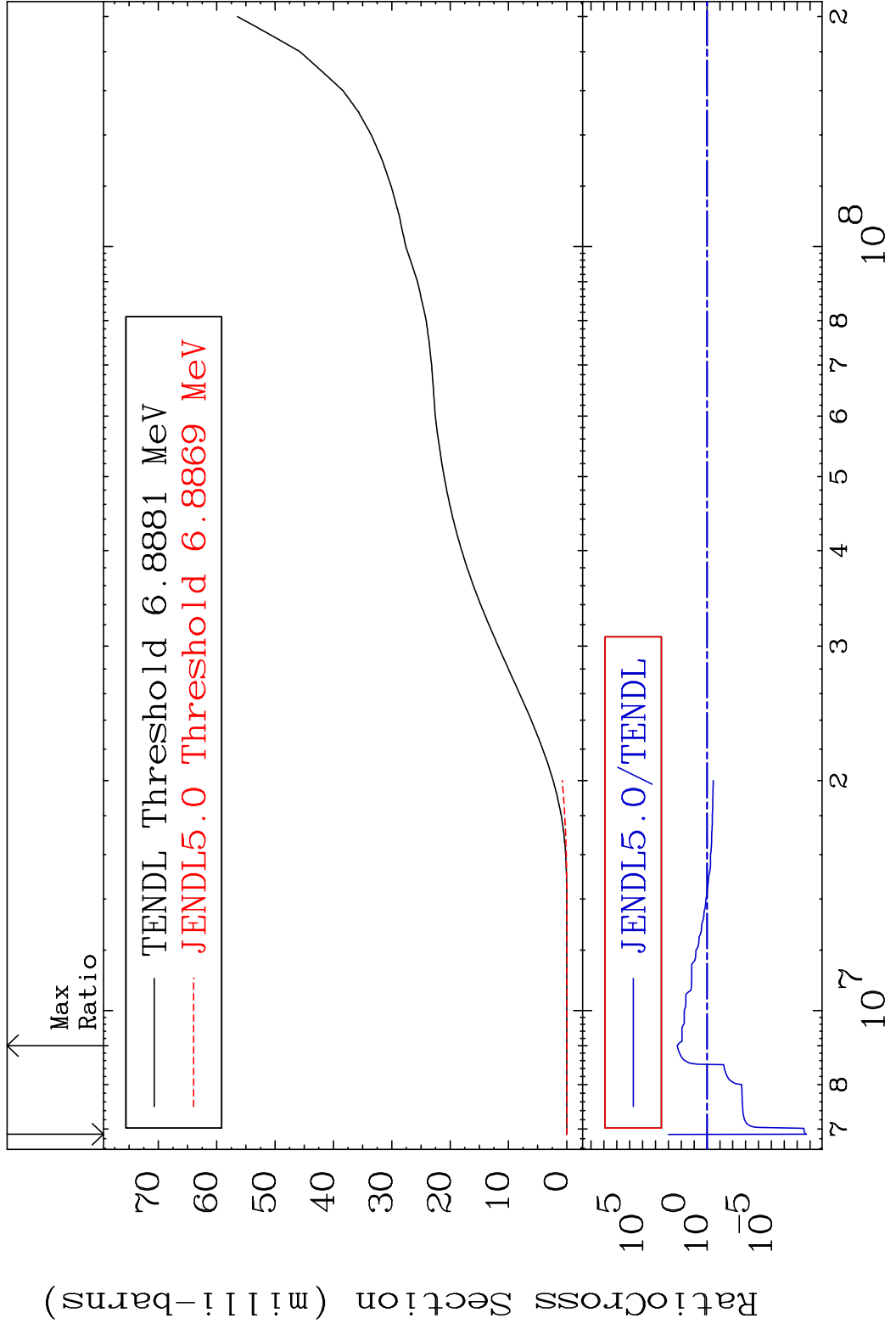
60-Nd-144

MAT 6031 Deuterium Production 60-Nd-144
 Cross Section -100.0 To 9999. %



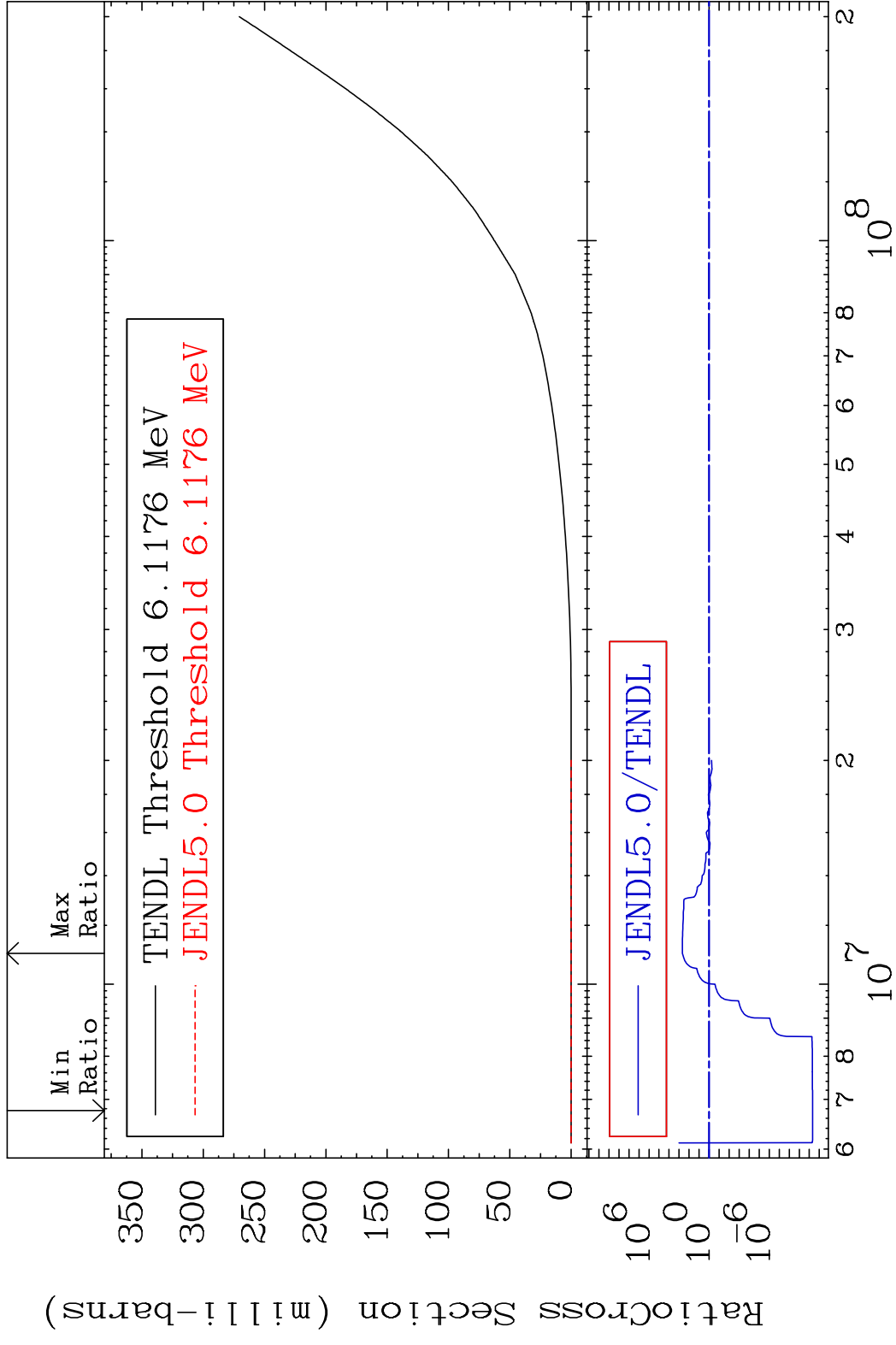
49 60-Nd-144

MAT 6031 Tritium Production 60-Nd-144
 Cross Section -100.0 To 9999. %



50 Incident Energy (eV) 60-Nd-144

MAT 6031 He-3 Production 60-Nd-144
 Cross Section -100.0 To 9999. %

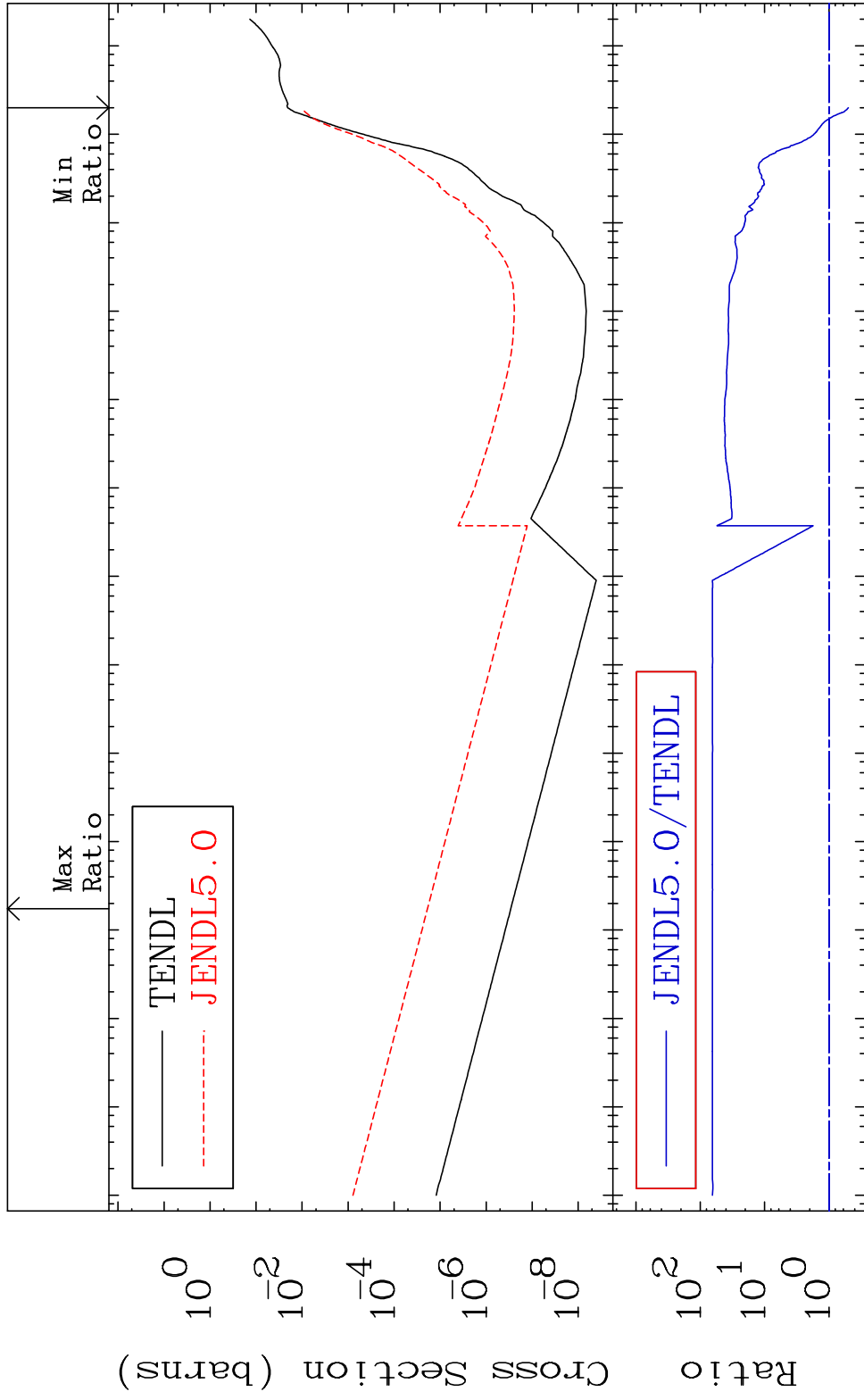


MAT 6031

He-4 Production

60-Nd-144

Cross Section -49.74 To 6387. %

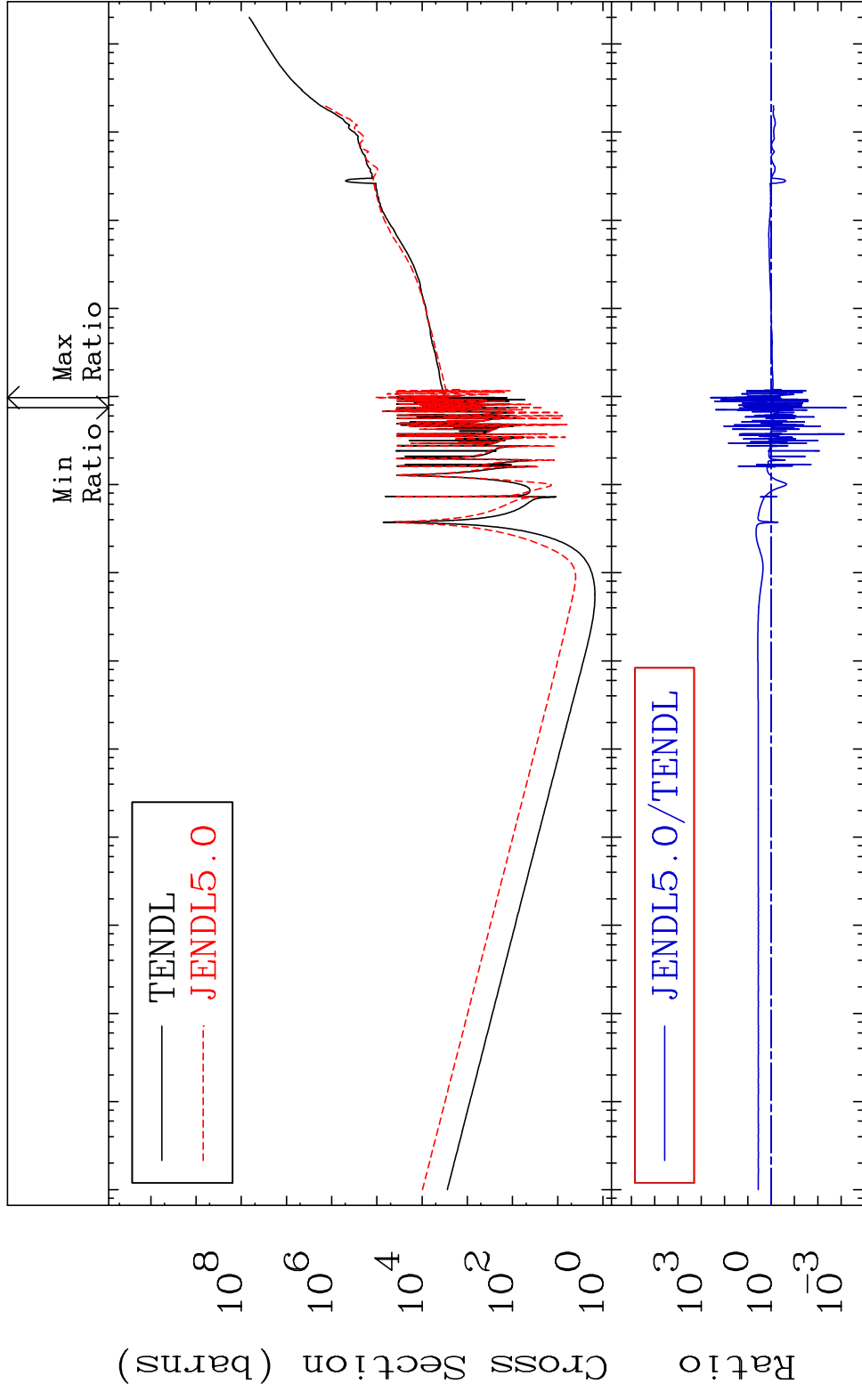


52

Incident Energy (eV)

60-Nd-144

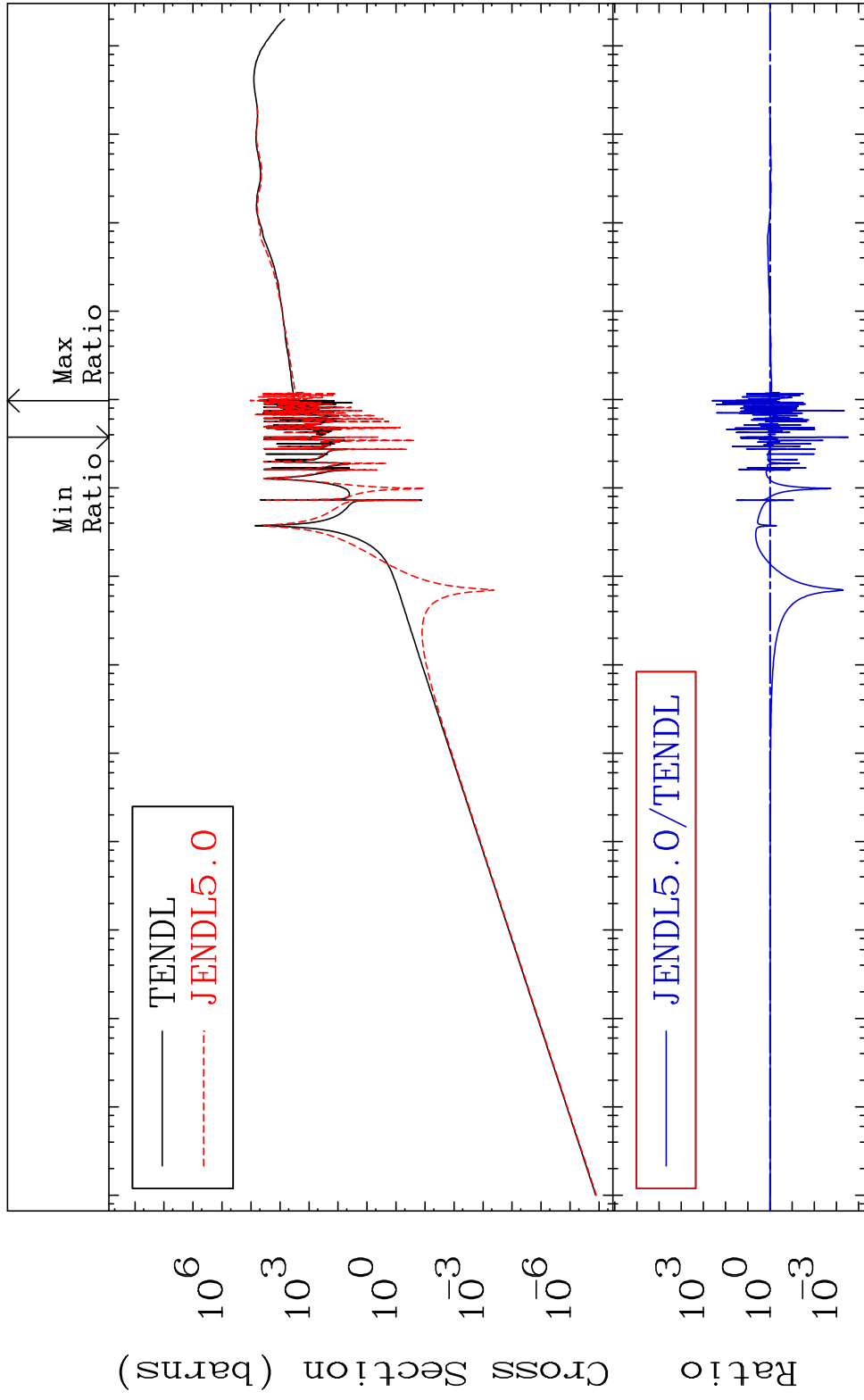
MAT 6031 Kerma total (eV-barns) 60-Nd-144
 Cross Section -99.94 To 9999. %



MAT 6031

Kerma elastic
Cross Section

60-Nd-144
-99.97 To 9999. %

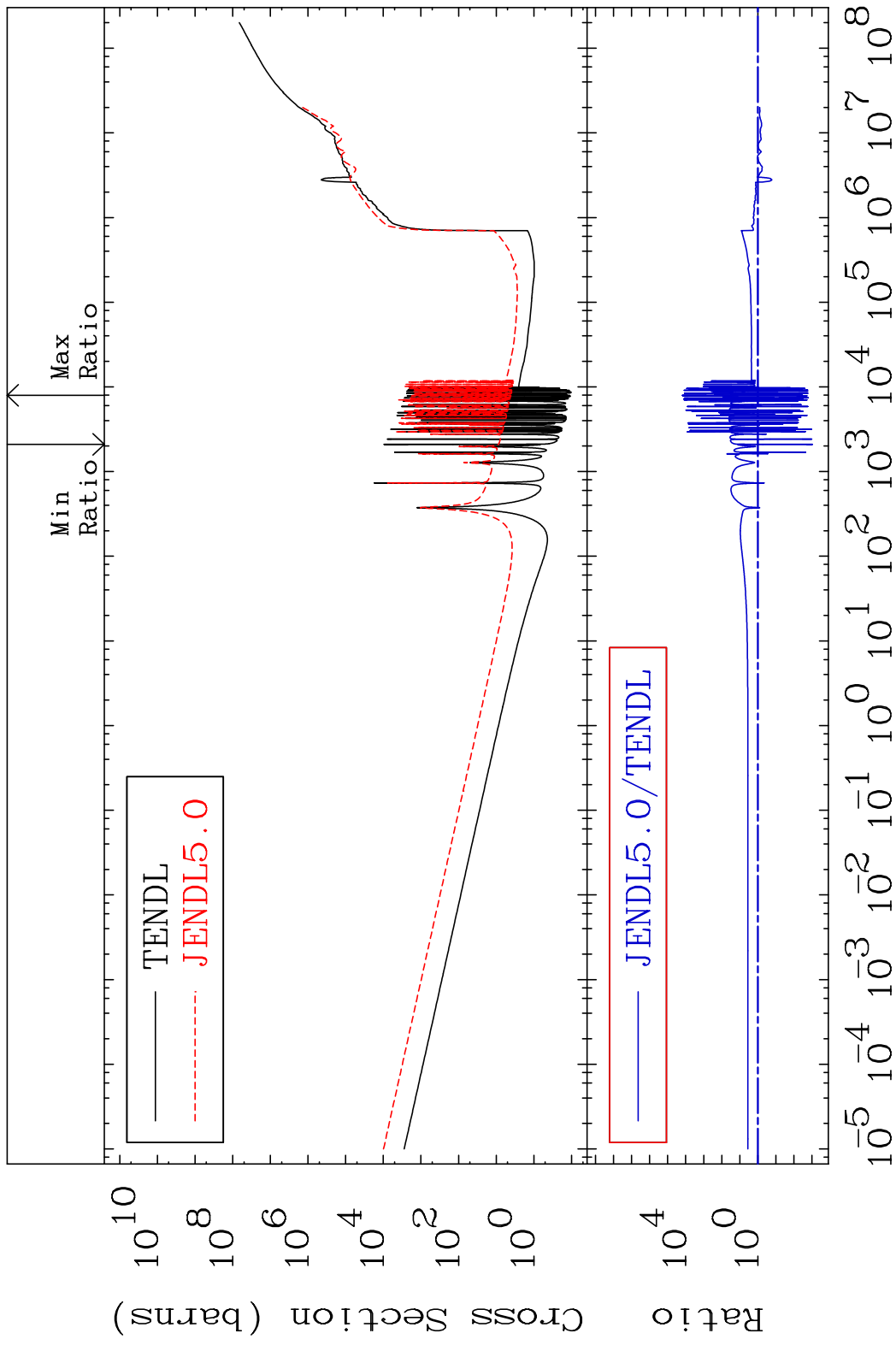


54

Incident Energy (eV)

60-Nd-144

MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144
 Cross Section -99.91 To 9999. %

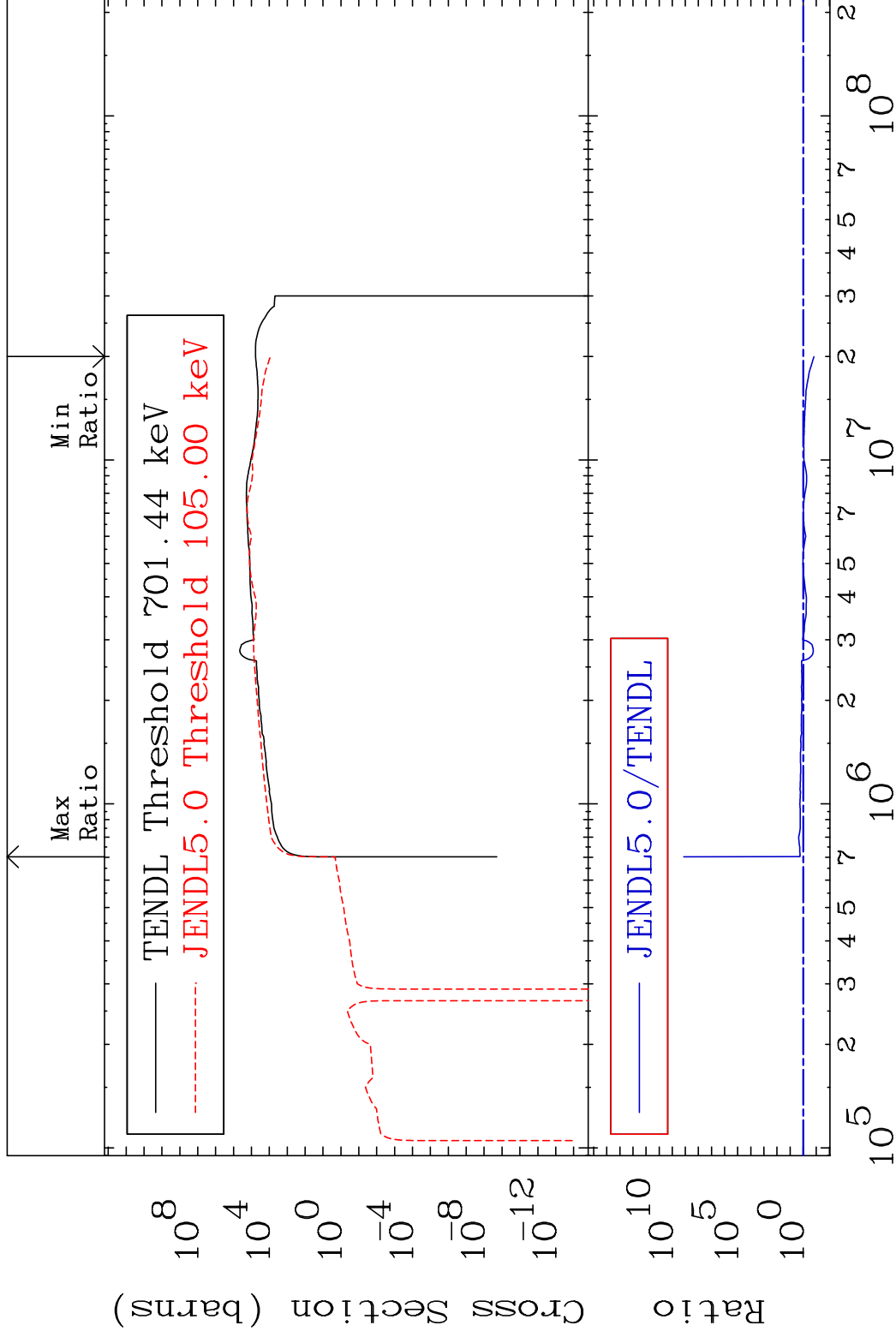


55 Incident Energy (eV) 60-Nd-144

MAT 6031

Kerma inelastic (mt51-91) 60-Nd-144

Cross Section -85.38 To 9999. %

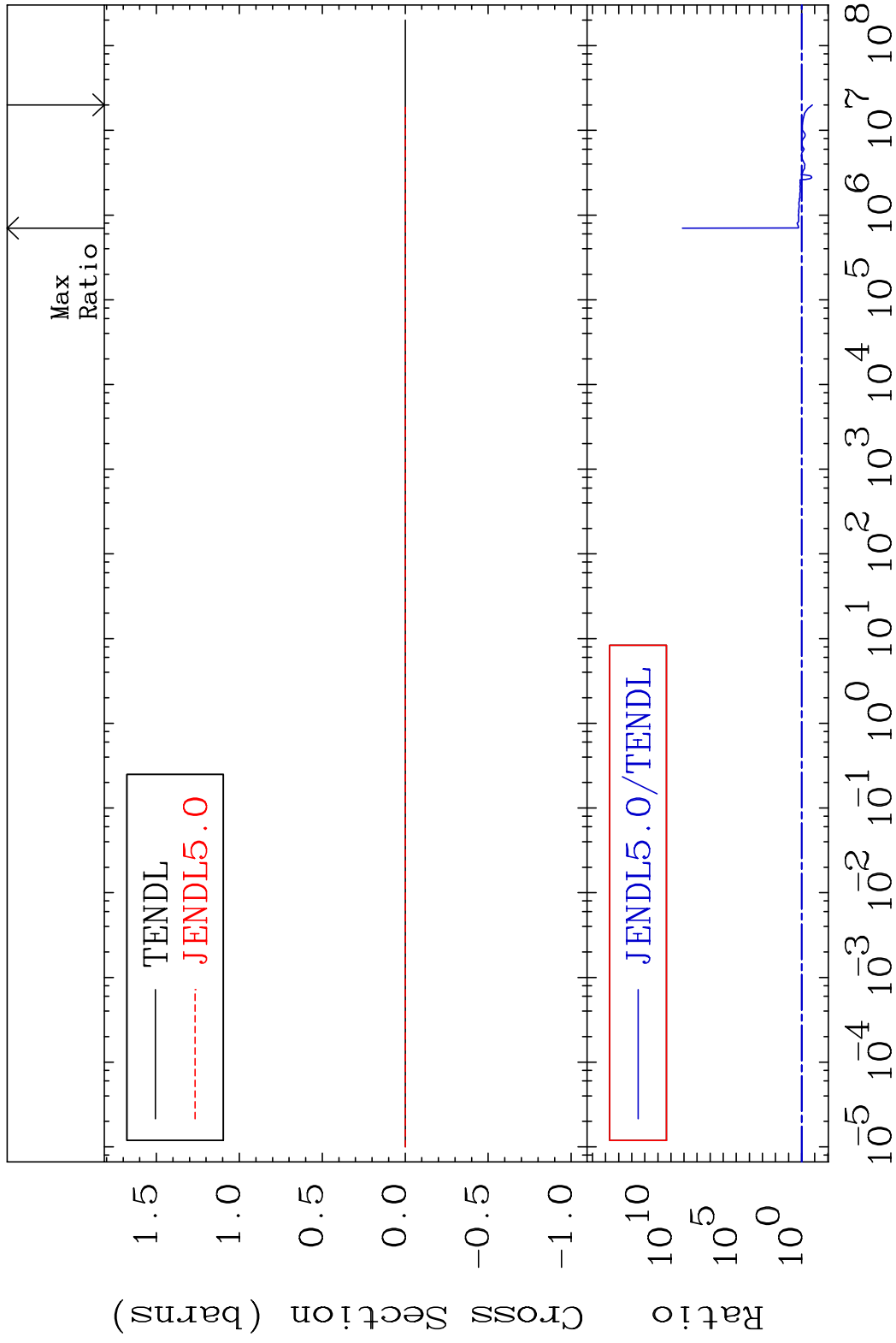


56

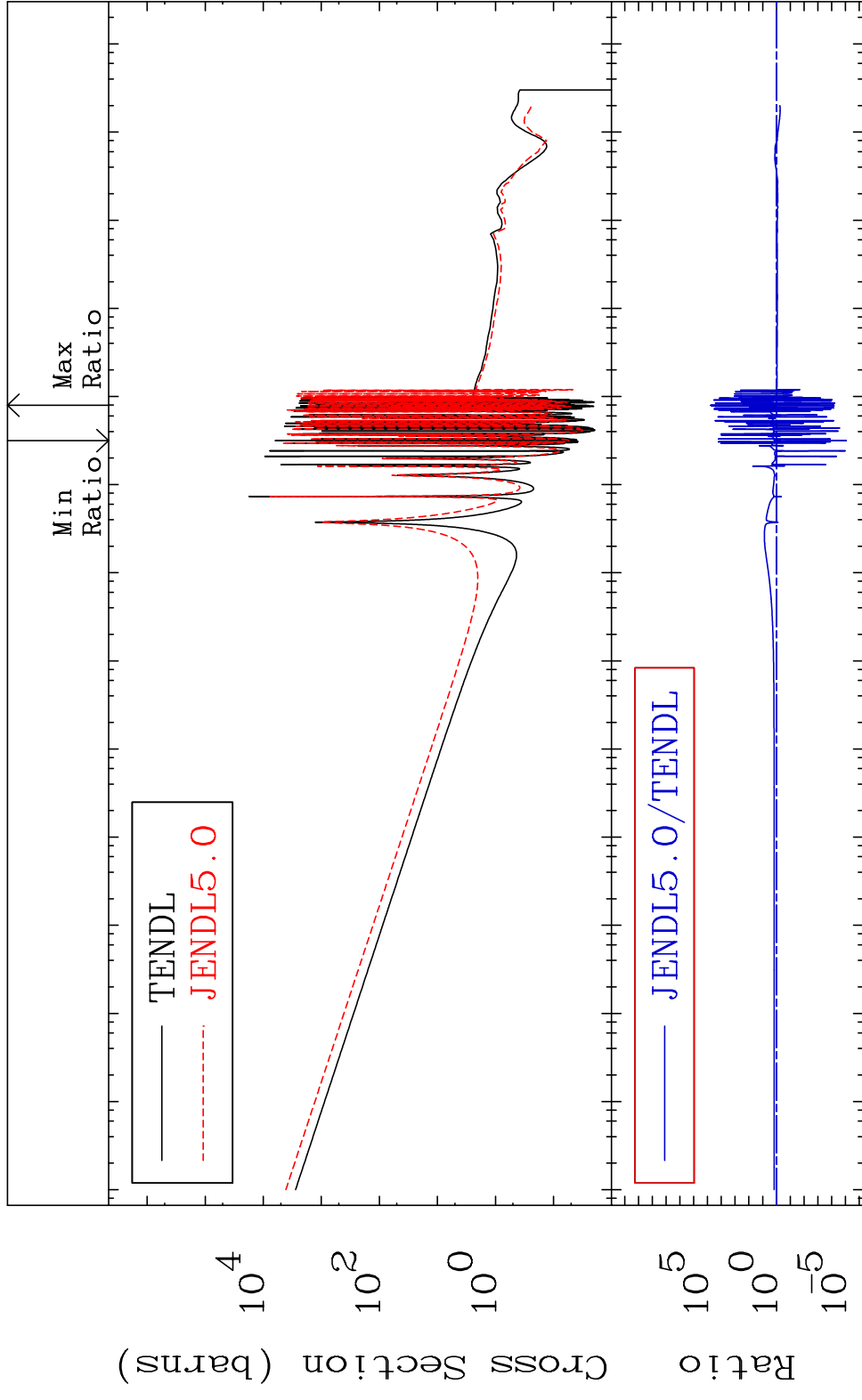
Incident Energy (eV)

60-Nd-144

MAT 6031 Kerma fission (mt18 or mt19-20-21-38) ^{60}Nd -144
 Cross Section -85.38 To 9999. %



MAT 6031 Kerma capture (mt102) 60-Nd-144
 Cross Section -100.0 To 9999. %



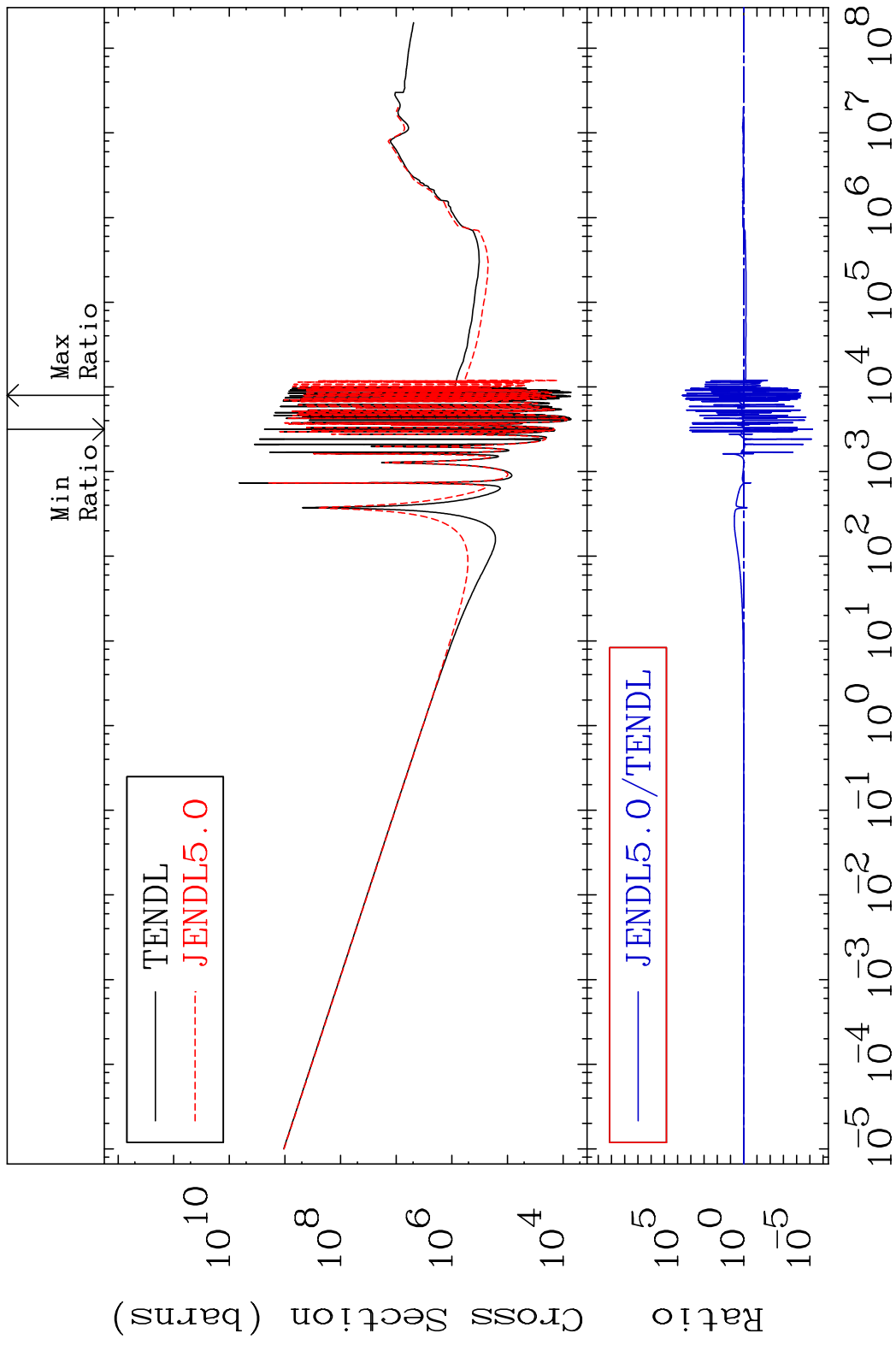
Ratio
 10^5
 10^0
 10^{-5}

Incident Energy (eV)

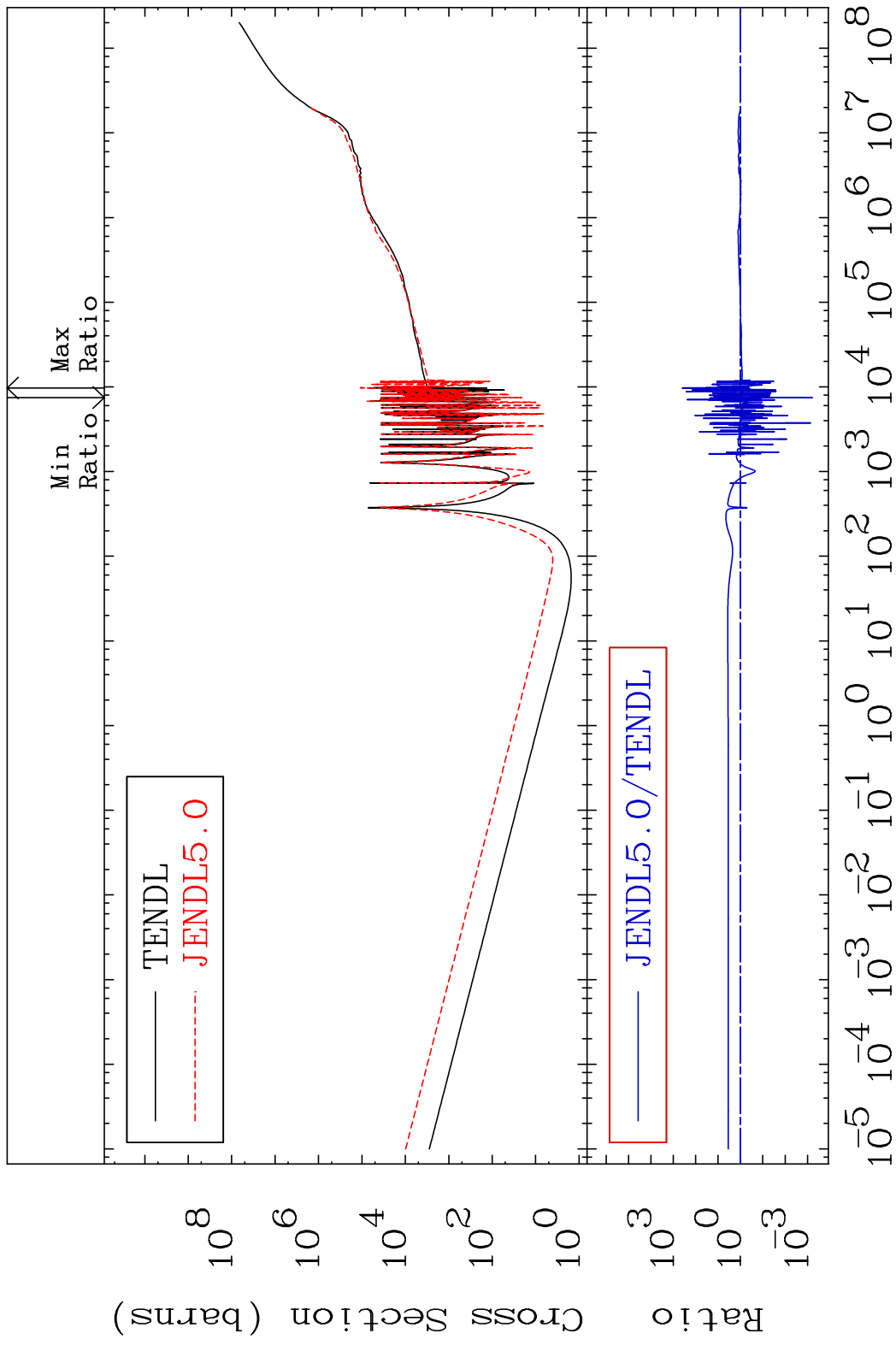
58

60-Nd-144

MAT 6031 Total photon (eV-barns) 60-Nd-144
 Cross Section -100.0 To 9999. %



MAT 6031 Total kinematic kerma (high limit) 60-Nd-144
Cross Section -99.94 To 9999. %

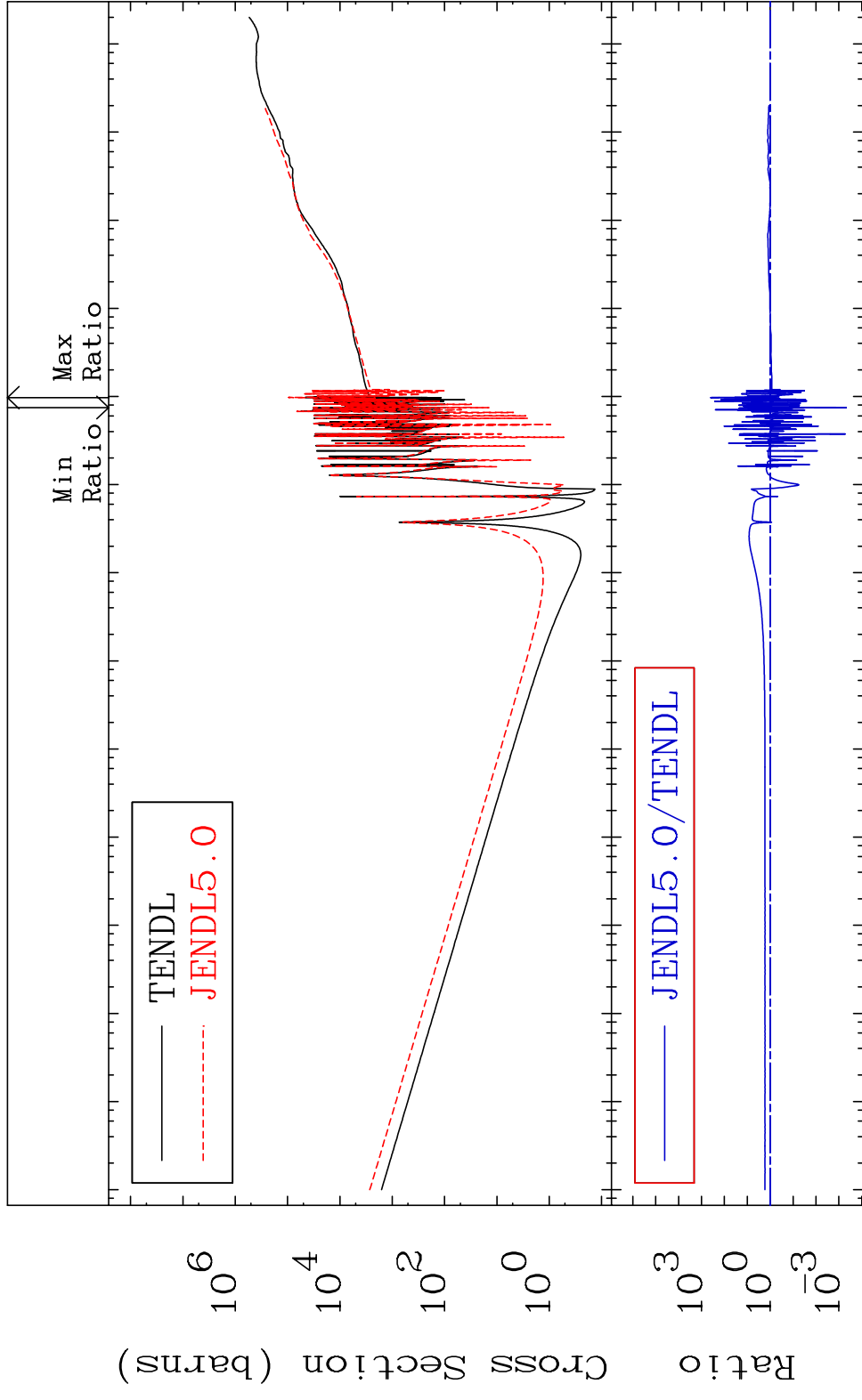


60

Incident Energy (eV)

60-Nd-144

MAT 6031 Dpa total (eV-barns) 60-Nd-144
 Cross Section -99.95 To 9999. %



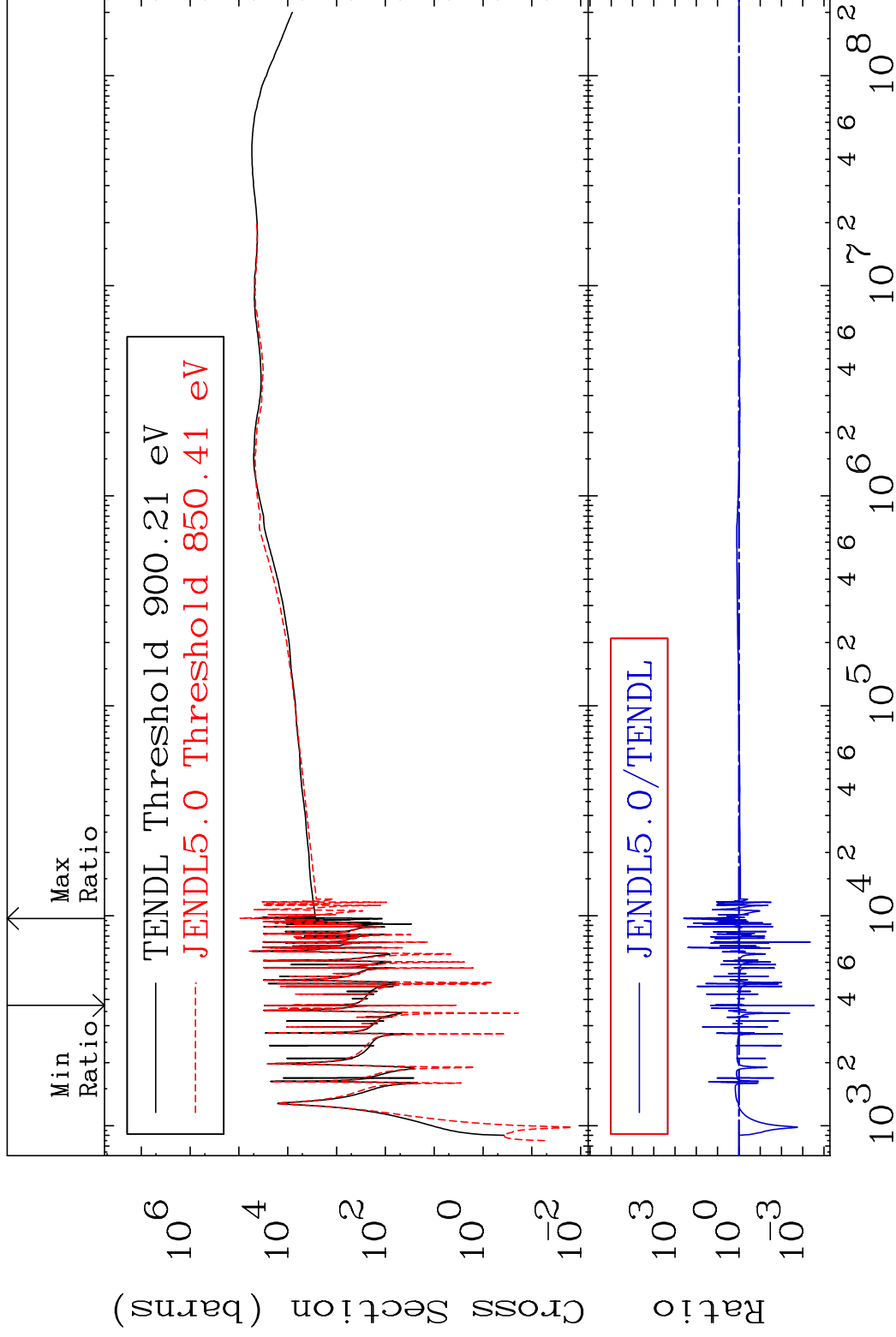
61 Incident Energy (eV) 60-Nd-144

MAT 6031

Dpa elastic (mt2)

60-Nd-144

Cross Section -99.97 To 9999. %

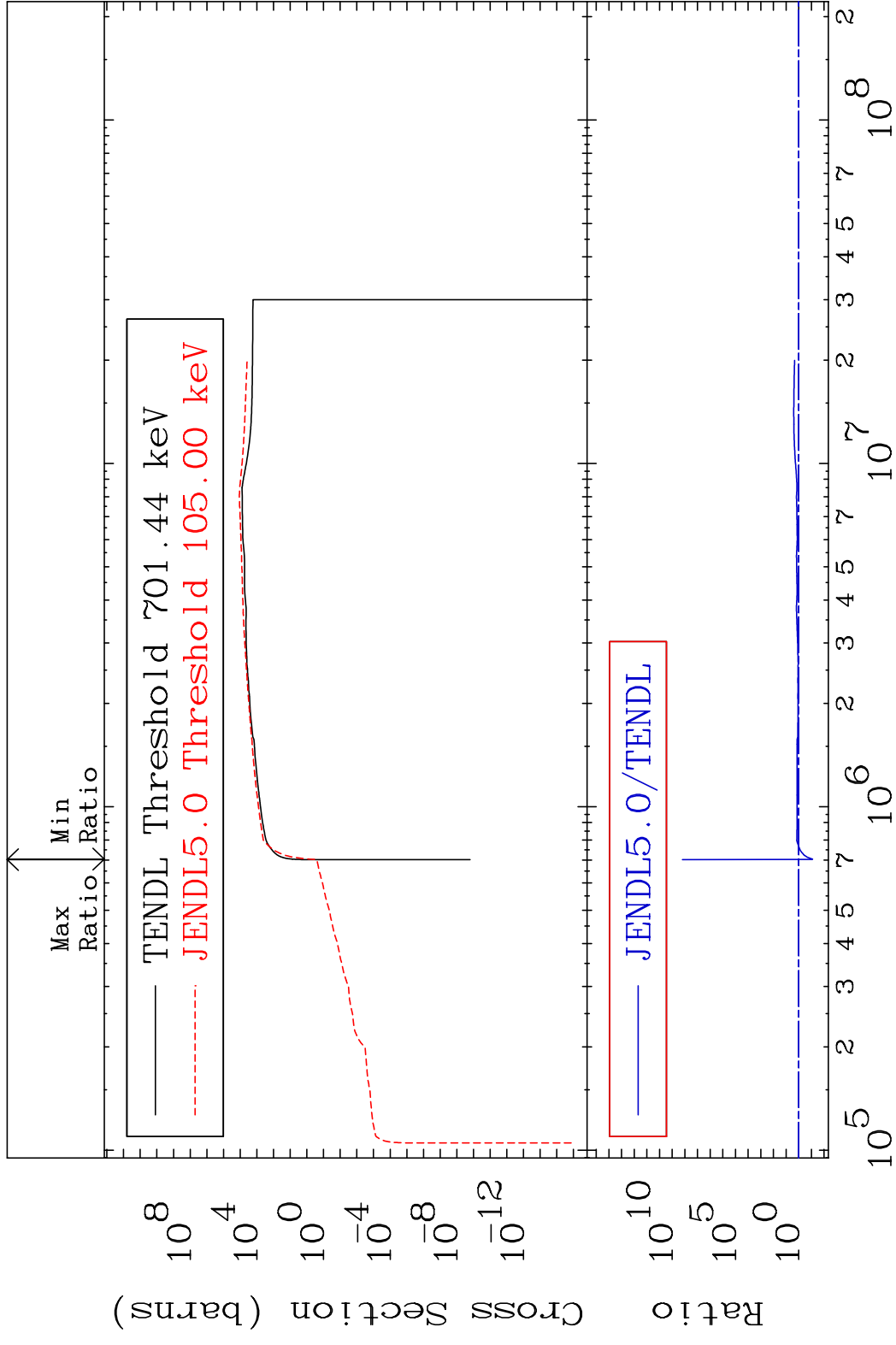


62

Incident Energy (eV)

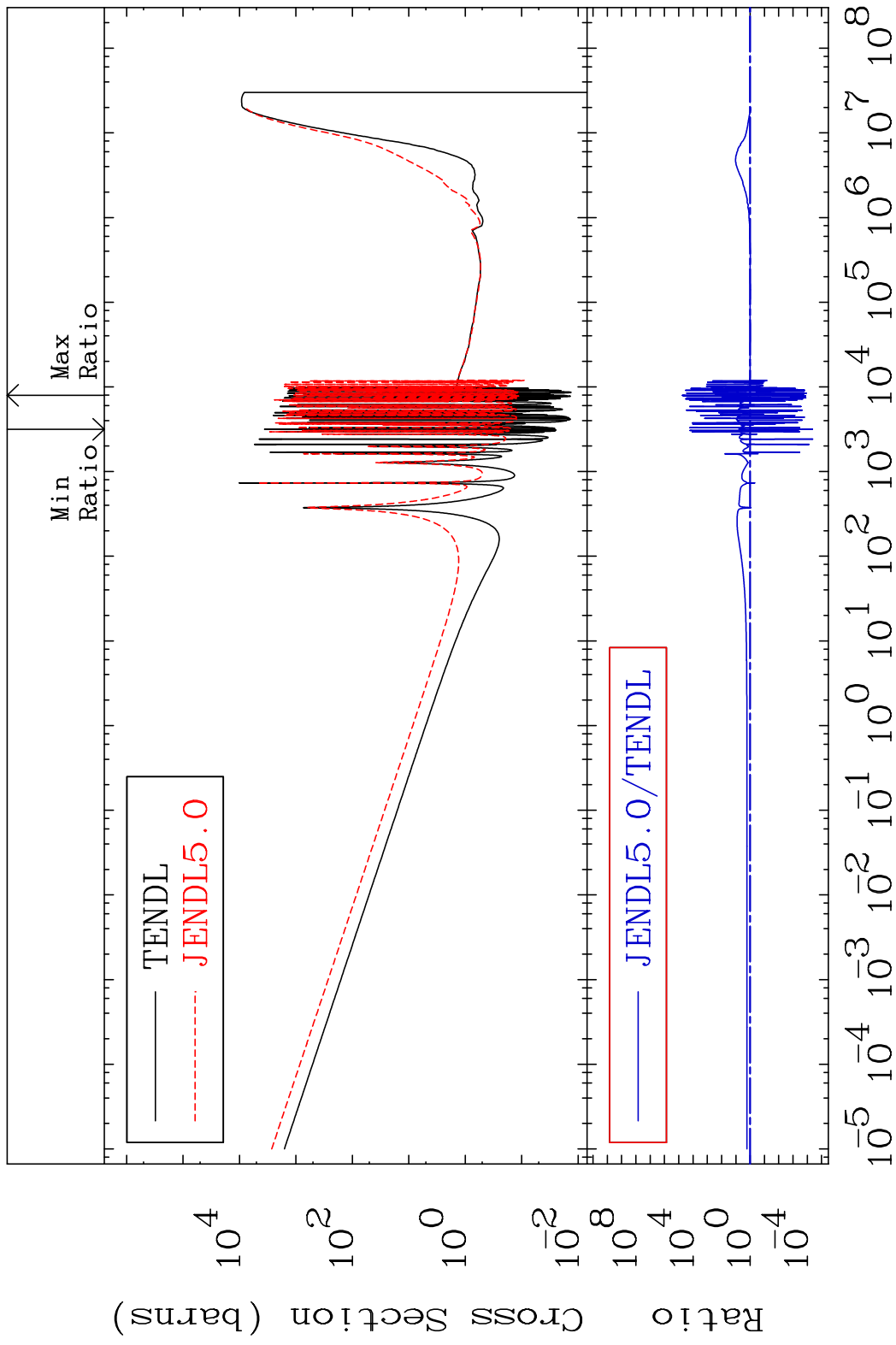
60-Nd-144

MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144
 Cross Section -91.94 To 9999. %



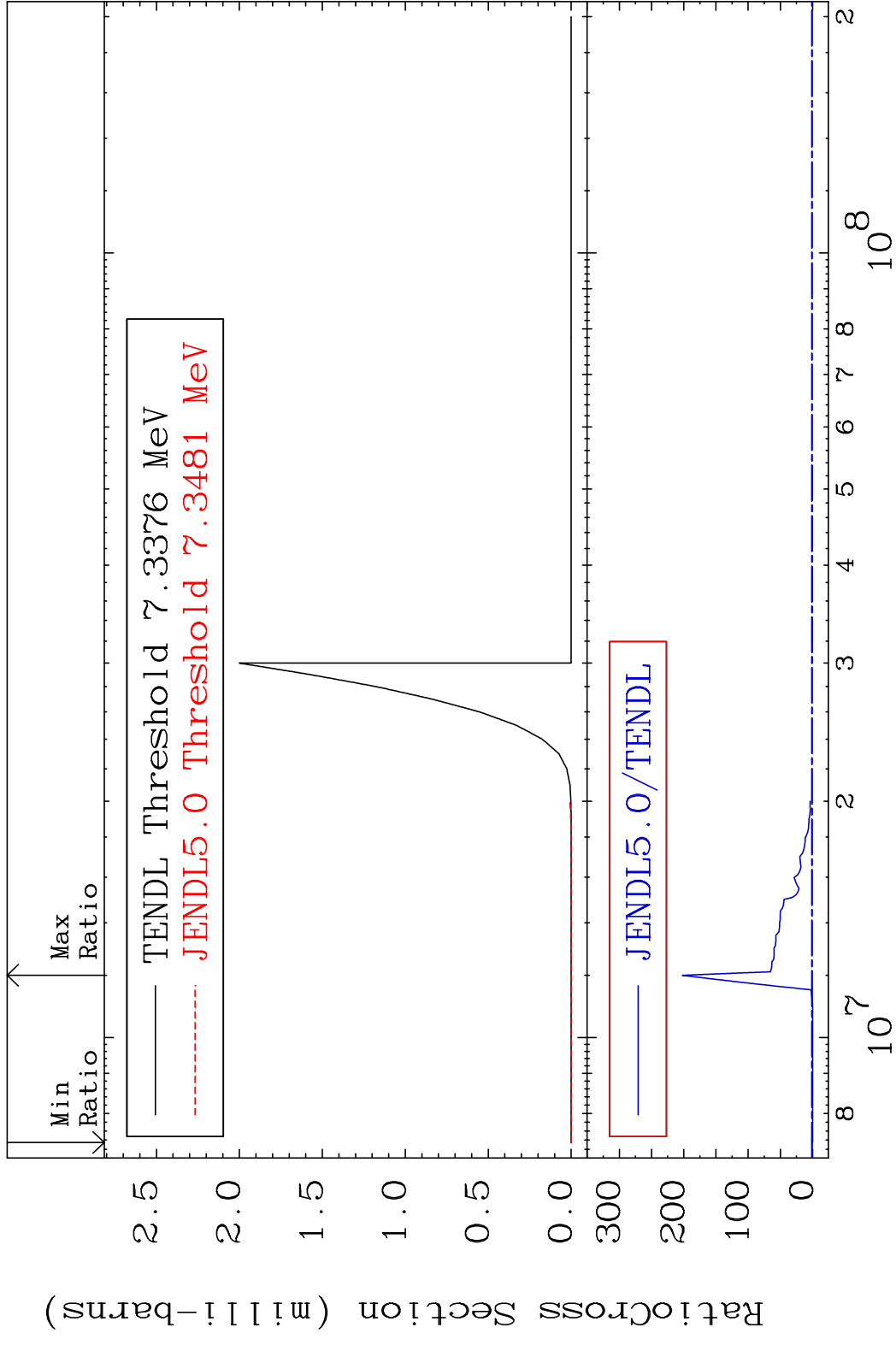
63 Incident Energy (eV) 60-Nd-144

MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144
 Cross Section -100.0 To 9999. %

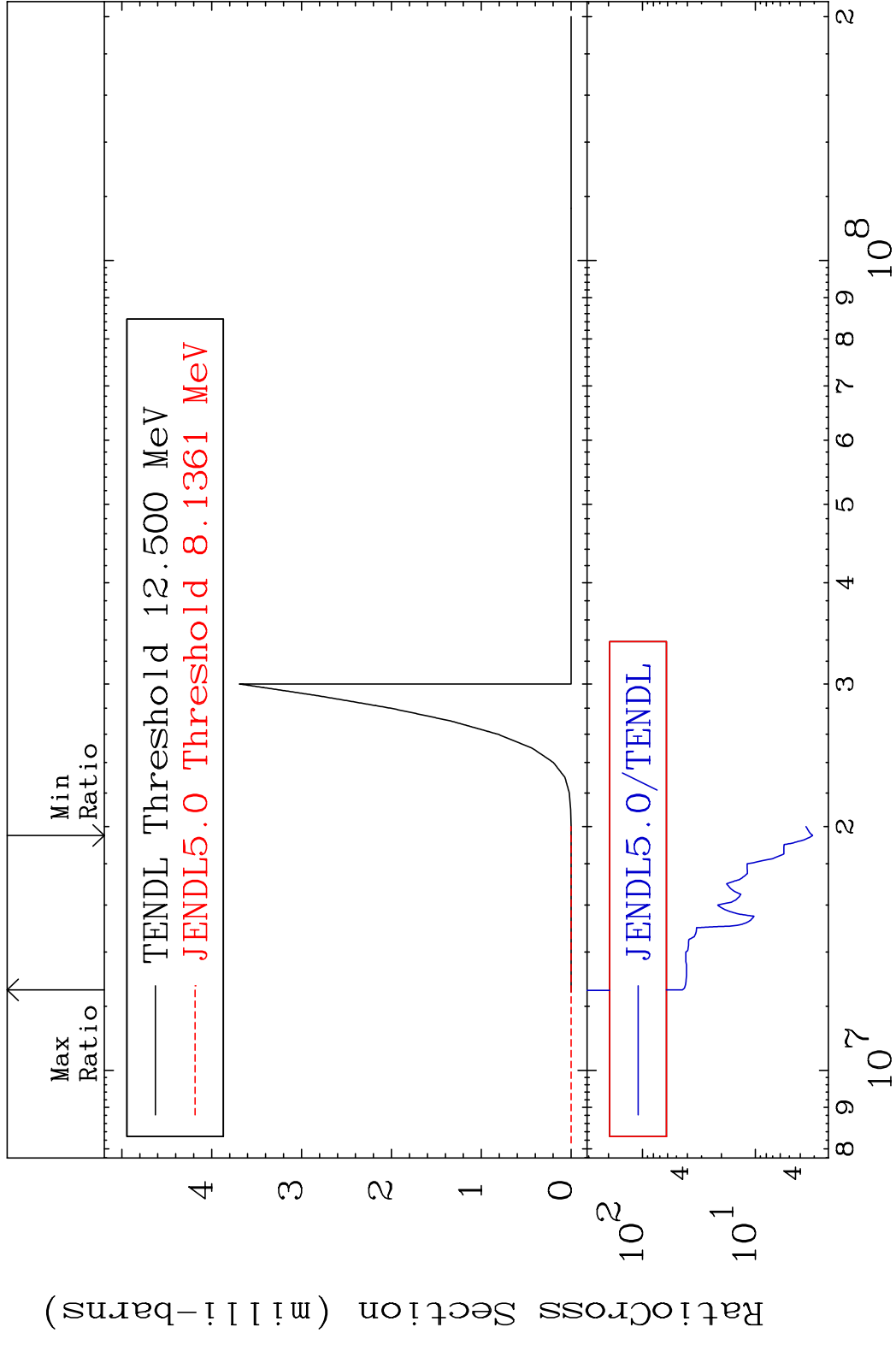


64 Incident Energy (eV) 60-Nd-144

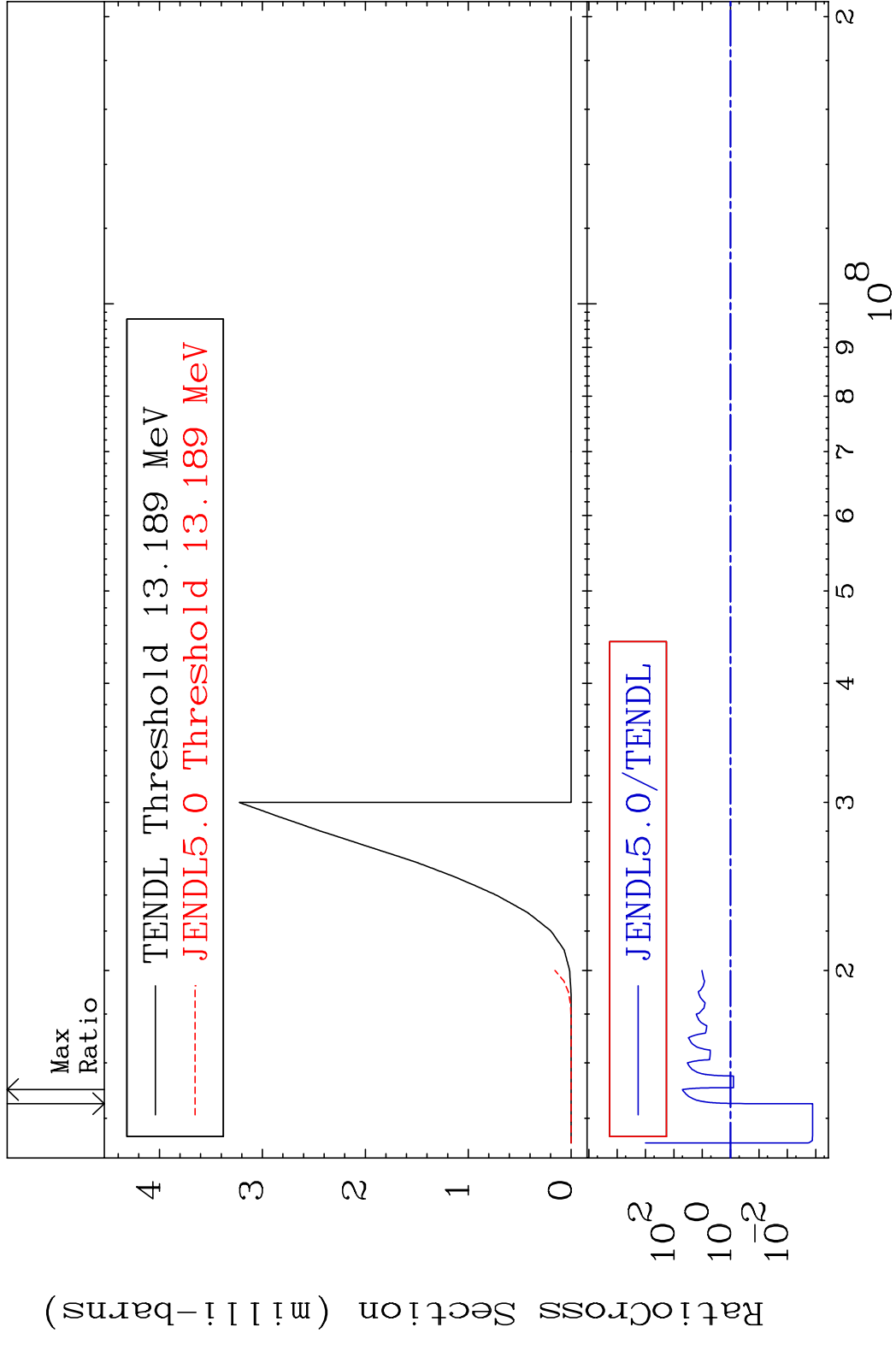
MAT 6031 (n,2n) α :58-Ce-139g 60-Nd-144
 Radionuclide Production Cross Section 100.00 %

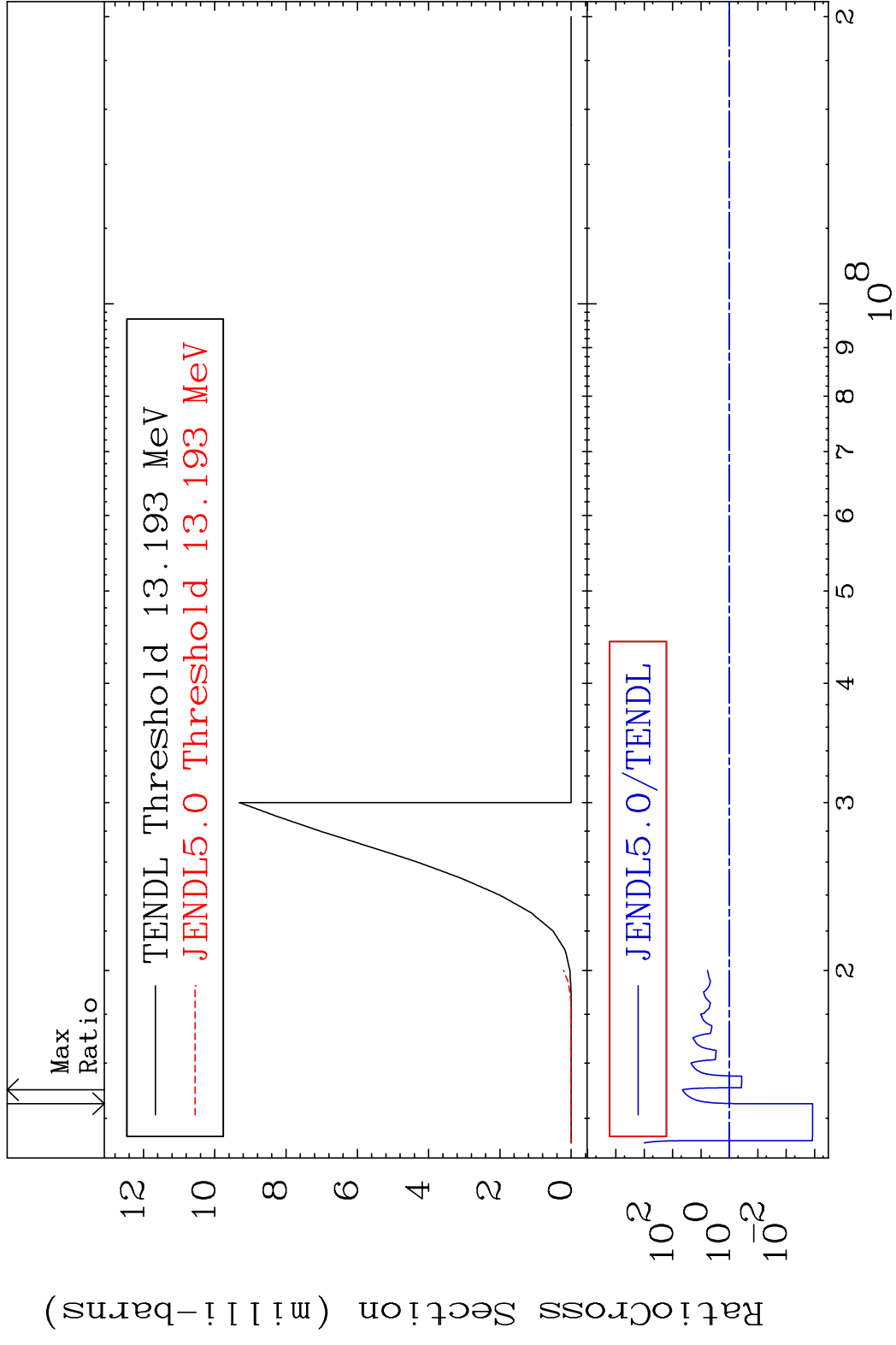


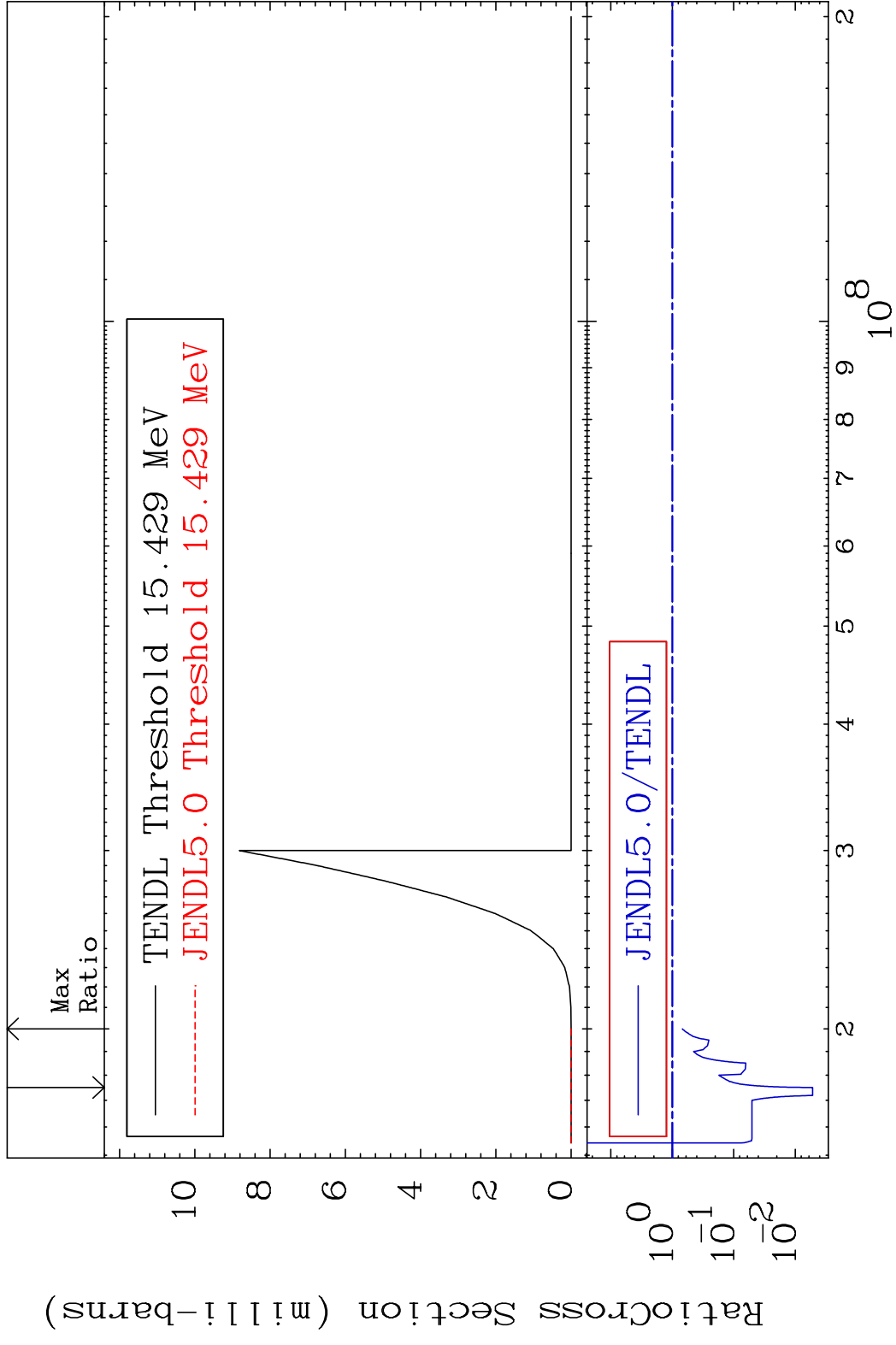
MAT 6031 (n,2n) α :58-Ce-139m2 60-Nd-144
 Radionuclide Production Cross Section Ratio 4328. %

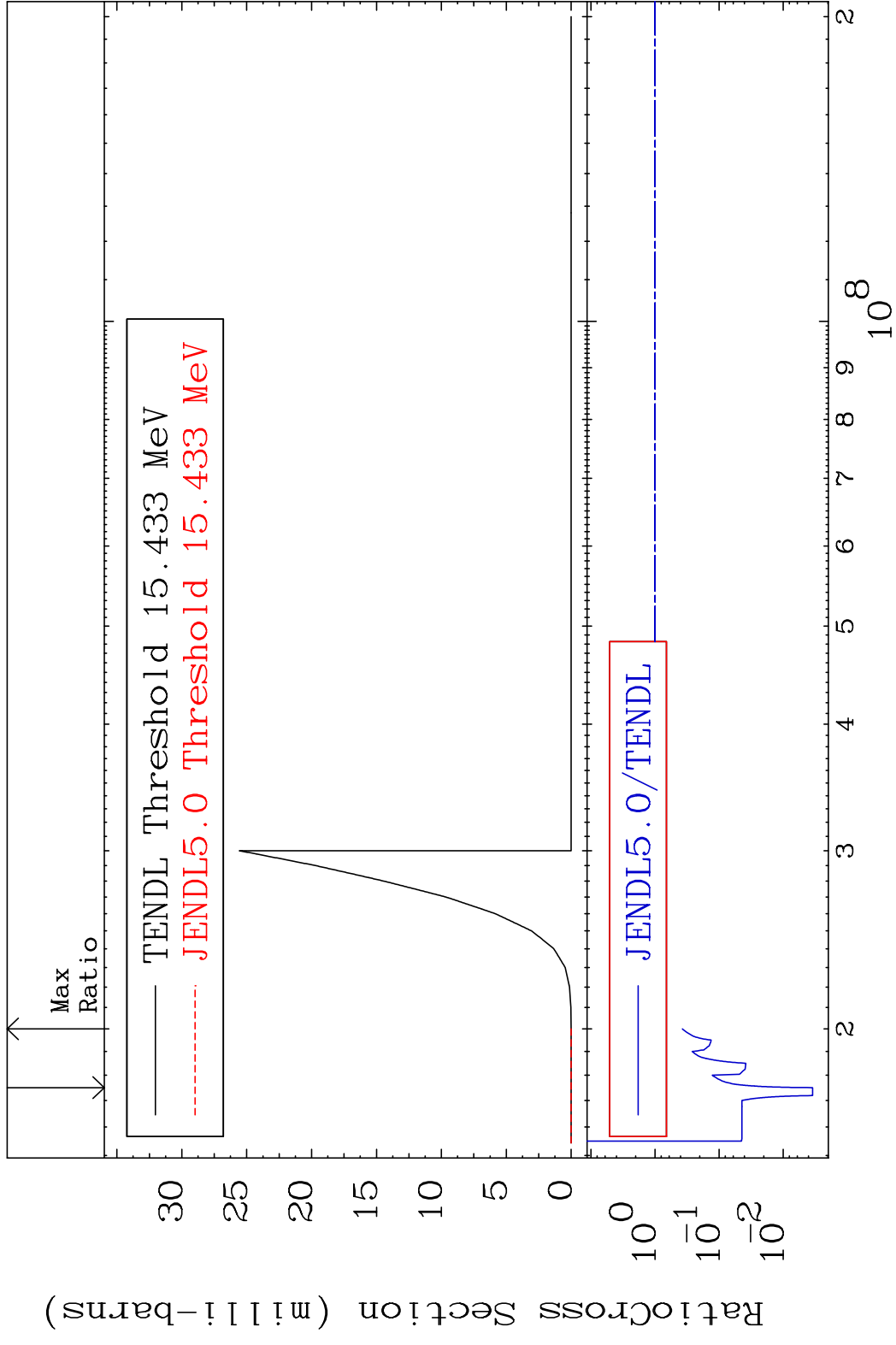


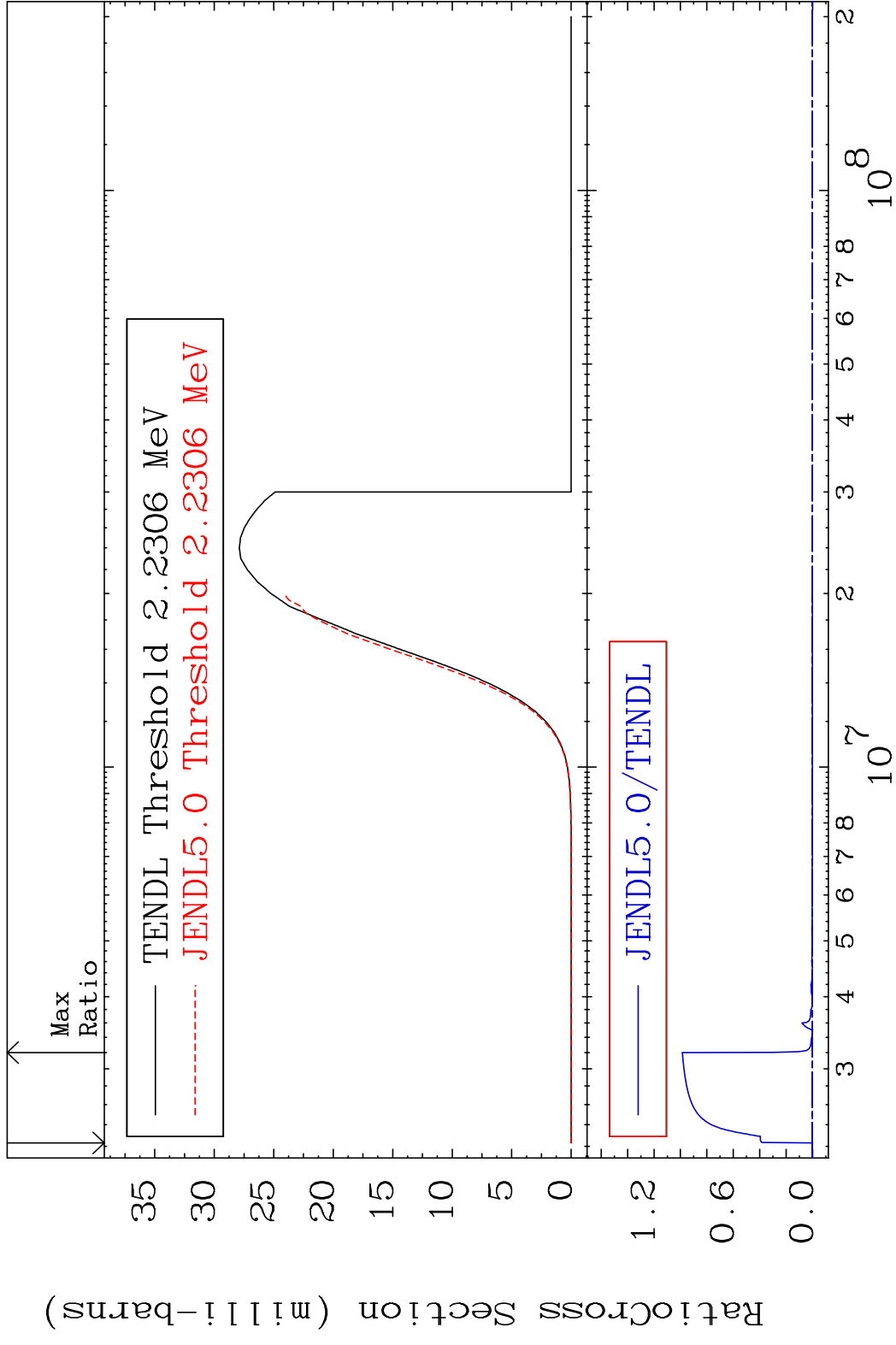
MAT 6031 (n, n') d:59-Pr-142g 60-Nd-144
 Radionuclide Production Cross Section 98.67% to 4928. %

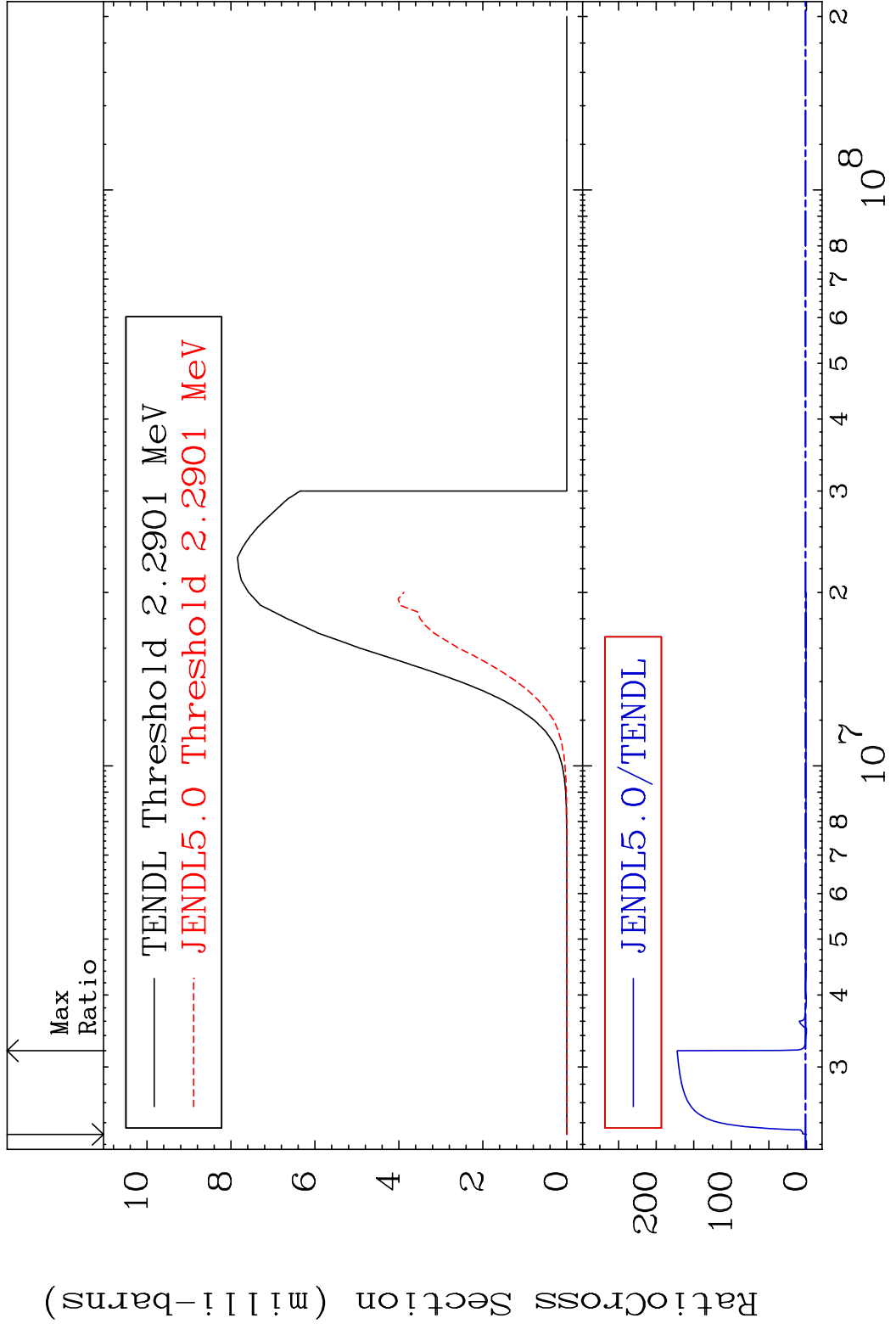












MAT 6031 (n,t):59-Pr-142g 60-Nd-144
 Radionuclide Production Cross Section Ratio

