

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

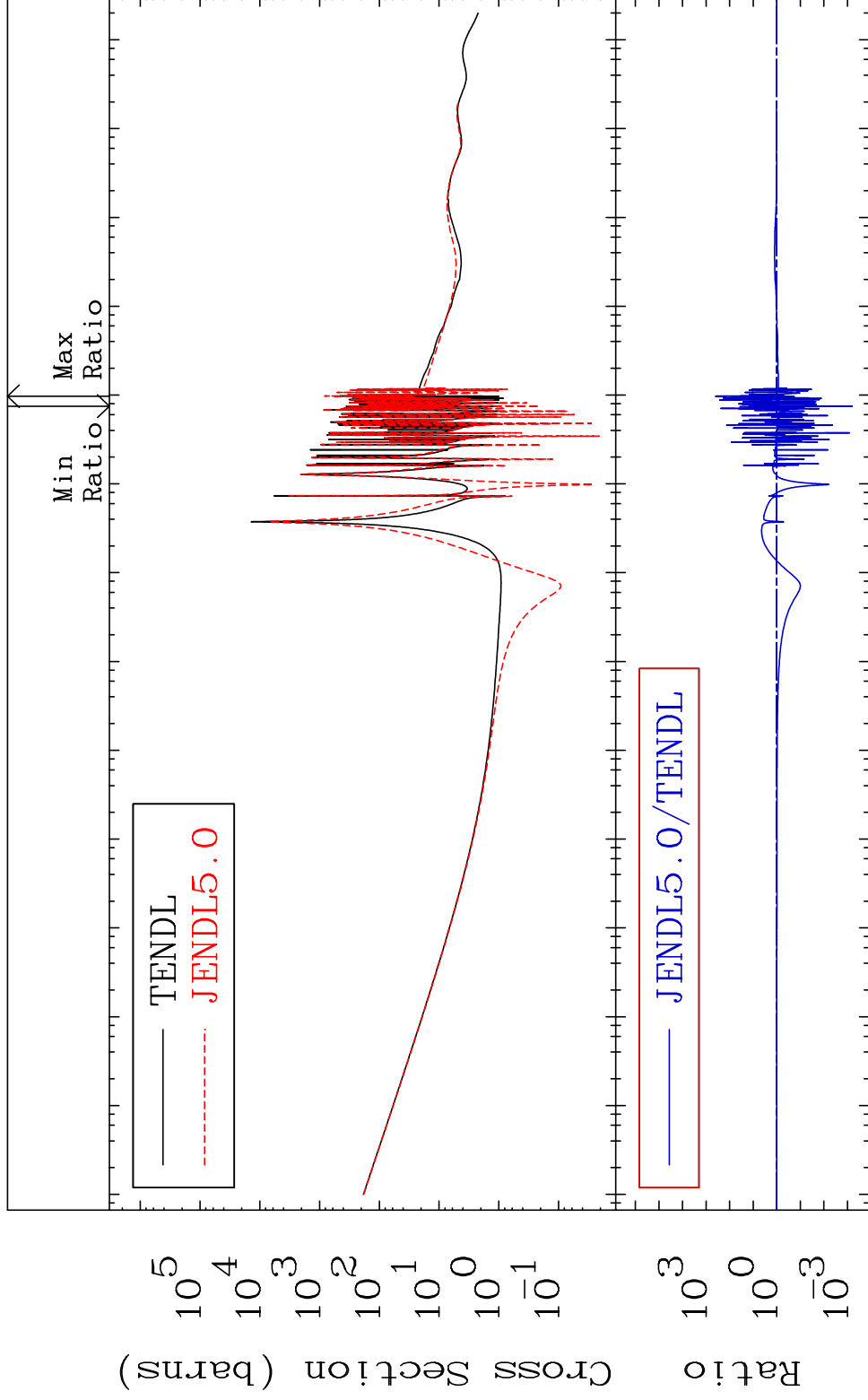
MAT 6031

Total

60-Nd-144

Cross Section

-99.94 To 9999. %



1

Incident Energy (eV)

60-Nd-144

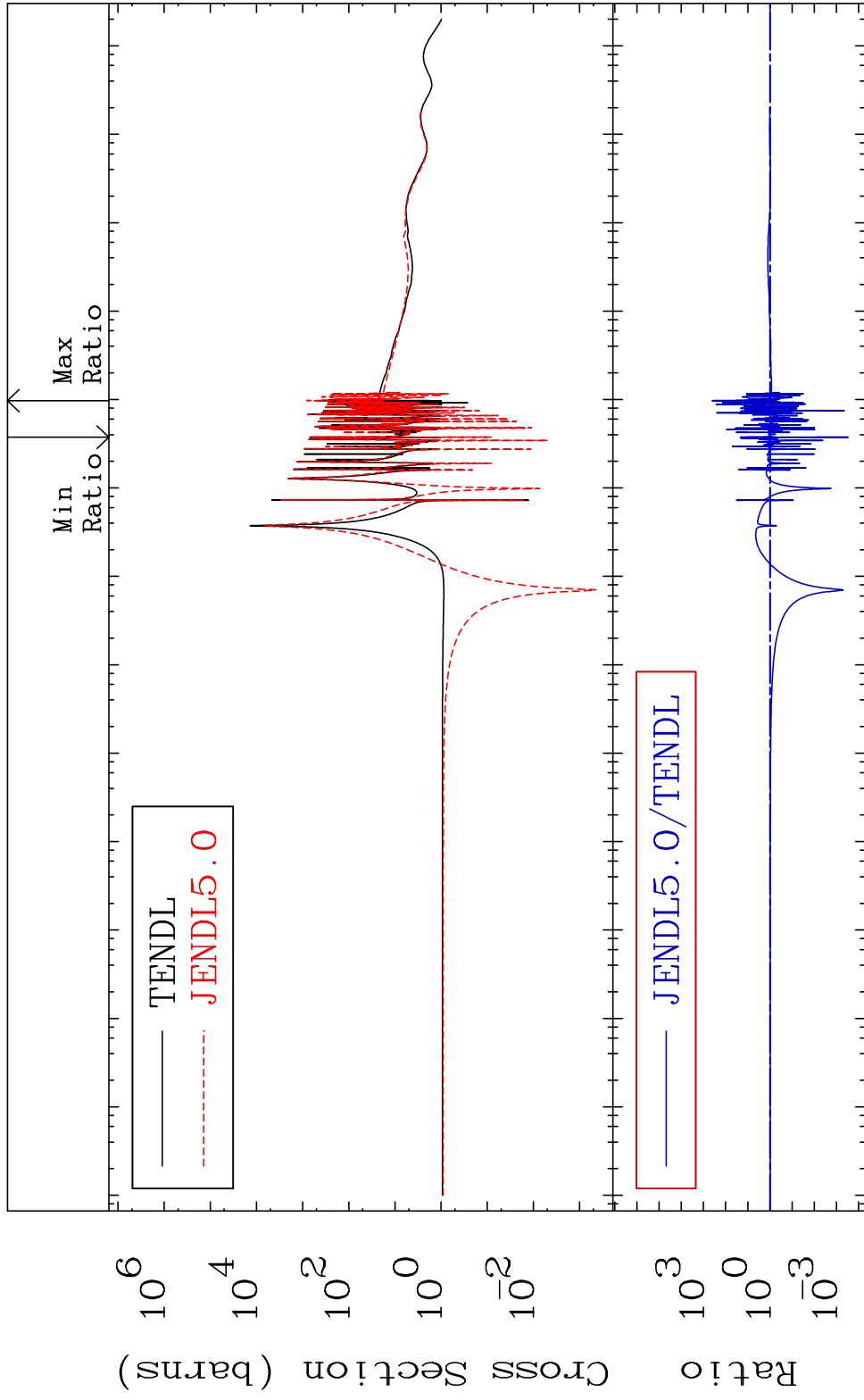
MAT 6031

Elastic

60-Nd-144

Cross Section

-99.97 To 9999. %



2

Incident Energy (eV)

60-Nd-144

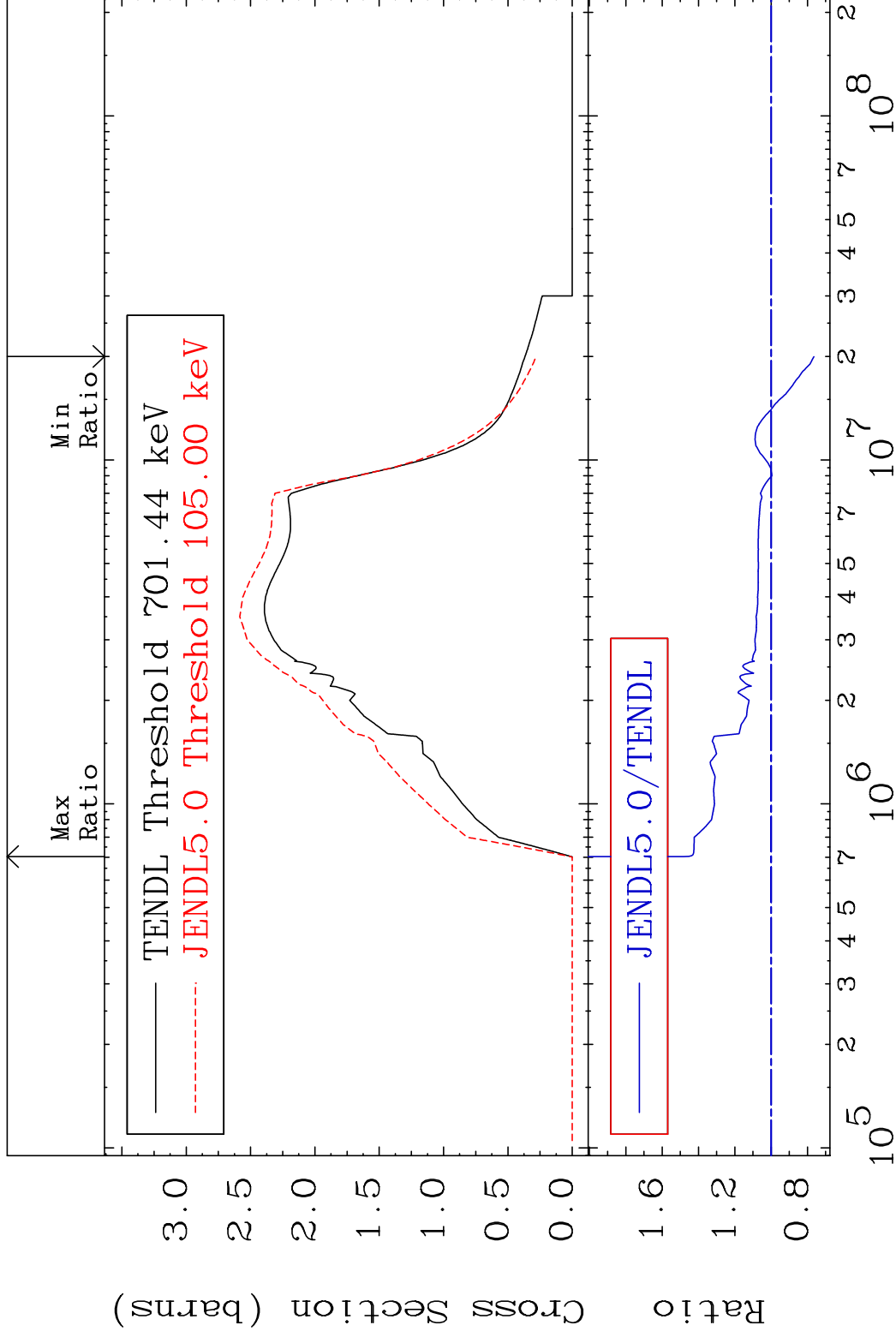
MAT 6031

Inelastic

60-Nd-144

Cross Section

-23.66 To 48.14 %



3

Incident Energy (eV)

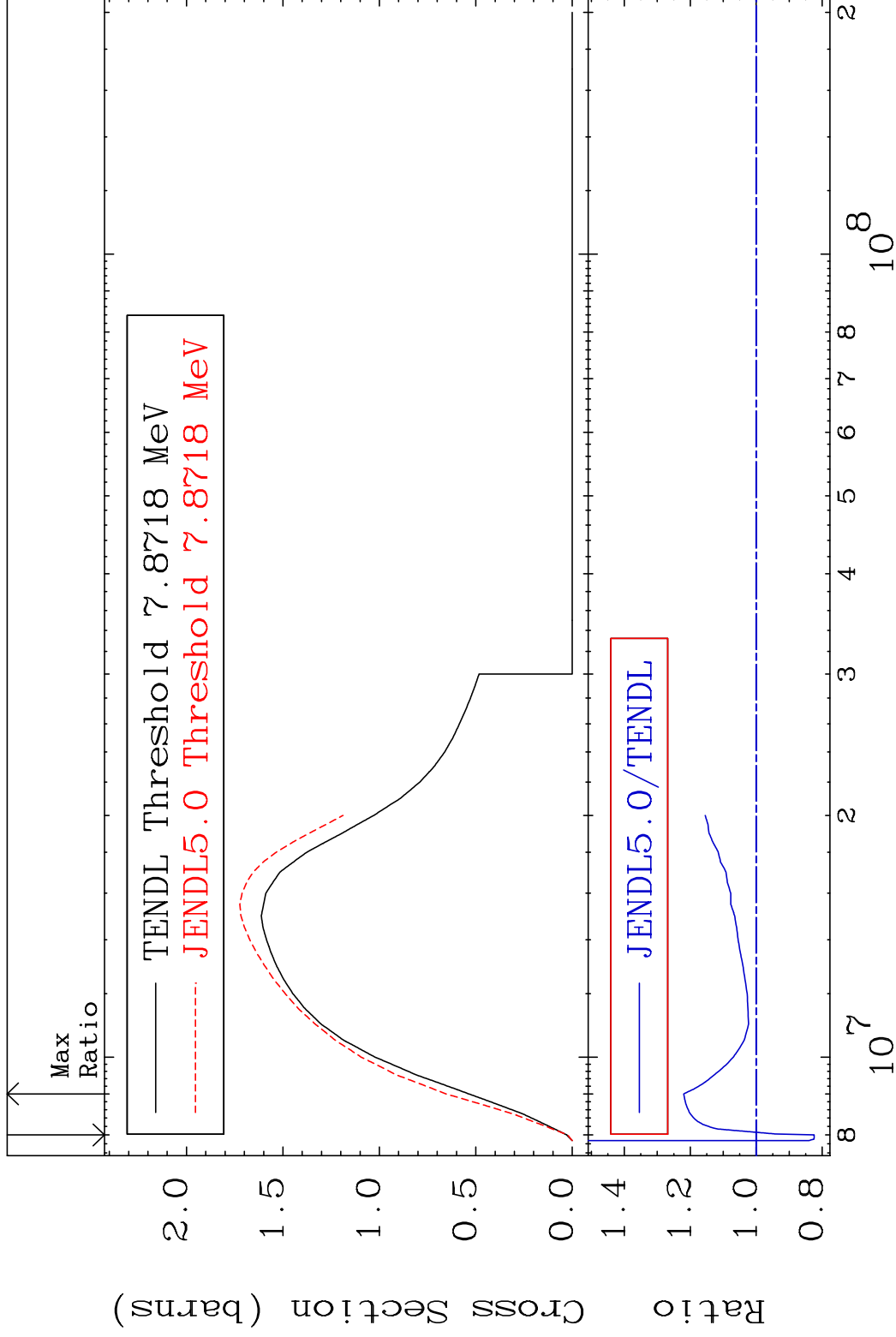
60-Nd-144

MAT 6031

(n,2n)

60-Nd-144

Cross Section -17.55 To 22.00 %



4

Incident Energy (eV)

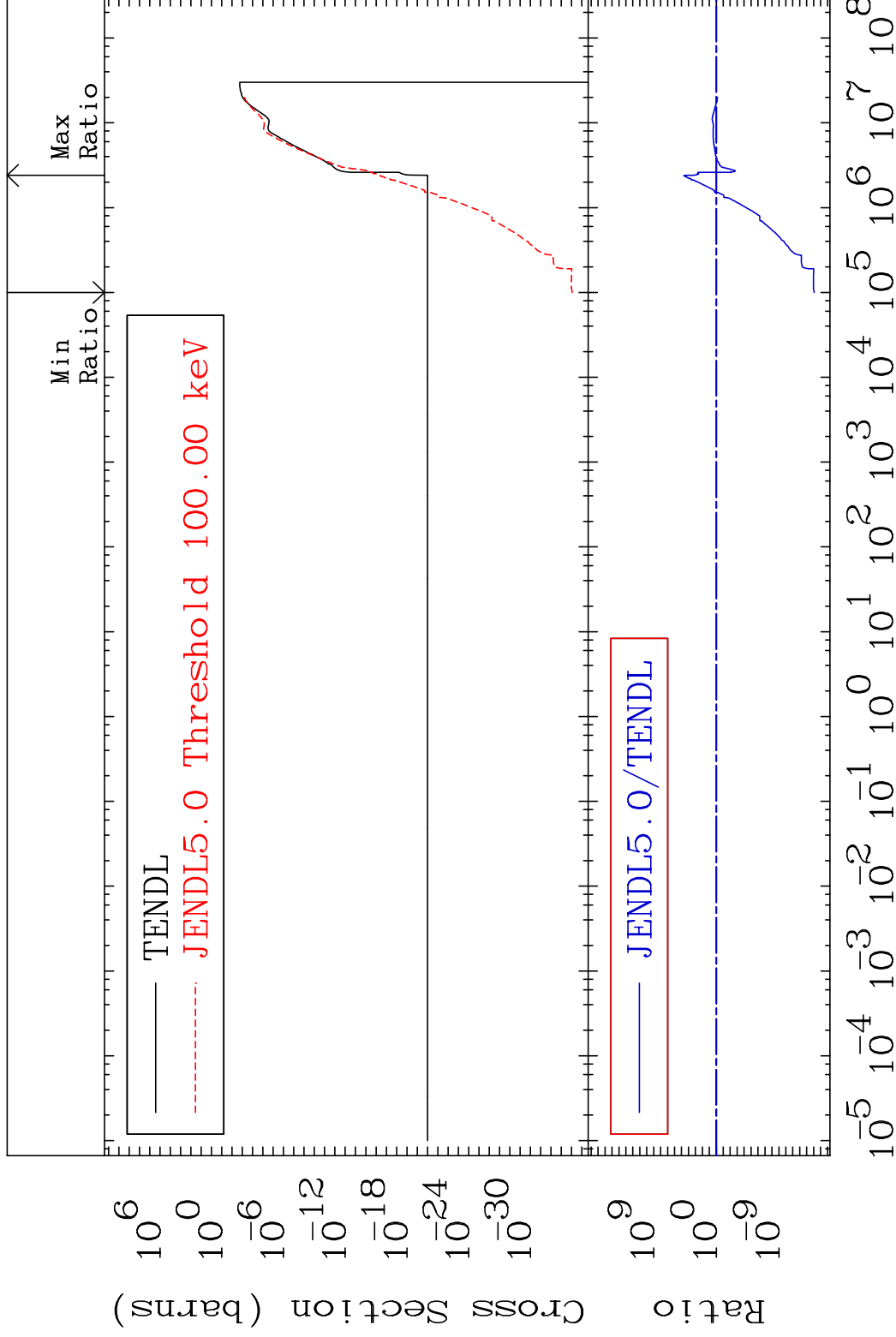
60-Nd-144

MAT 6031

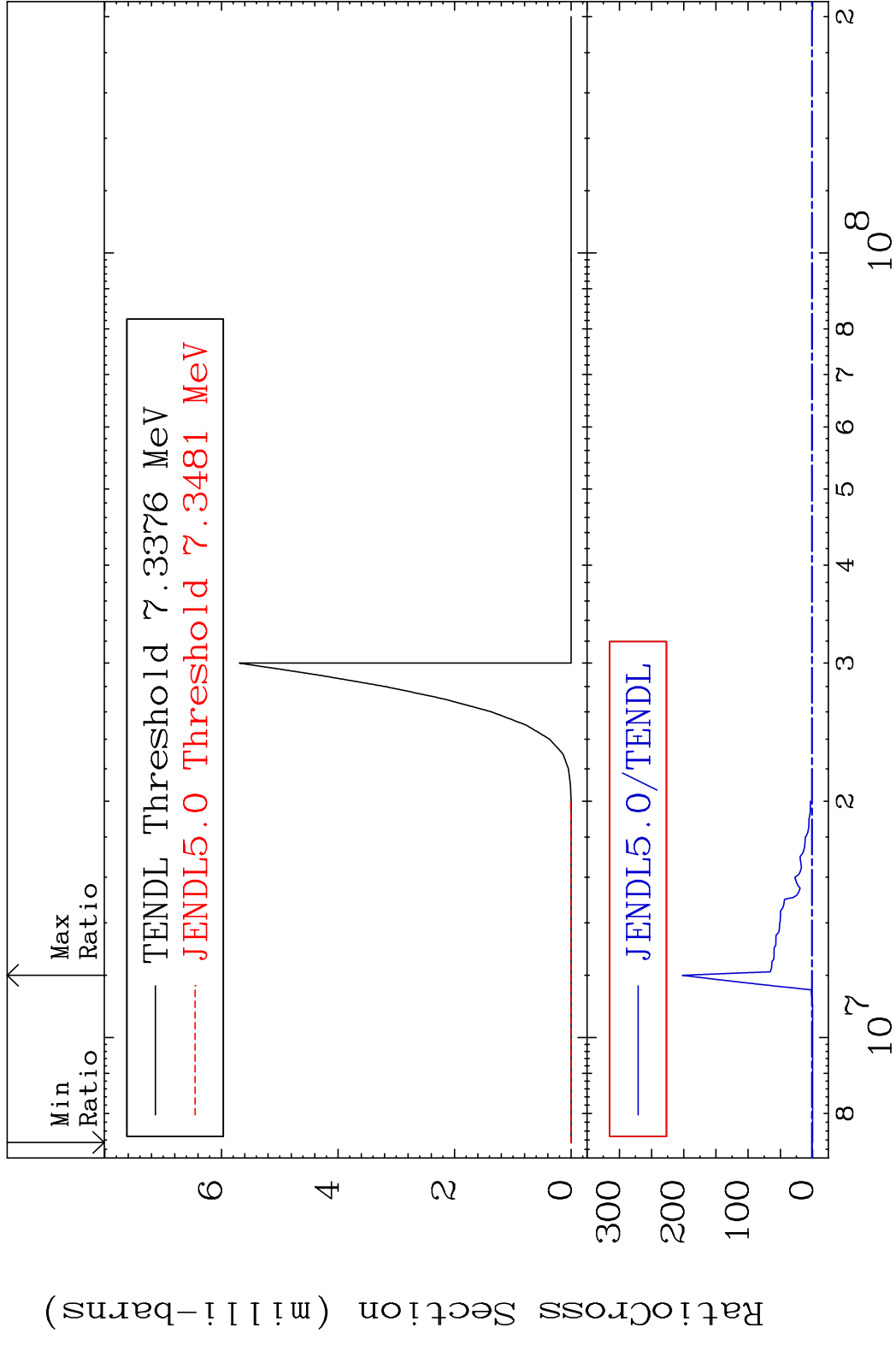
(n, n') α

60-Nd-144

Cross Section -100.0 To 9999. %



MAT 6031 (n,2n) α 60-Nd-144
 Cross Section -100.0 To 9999. %



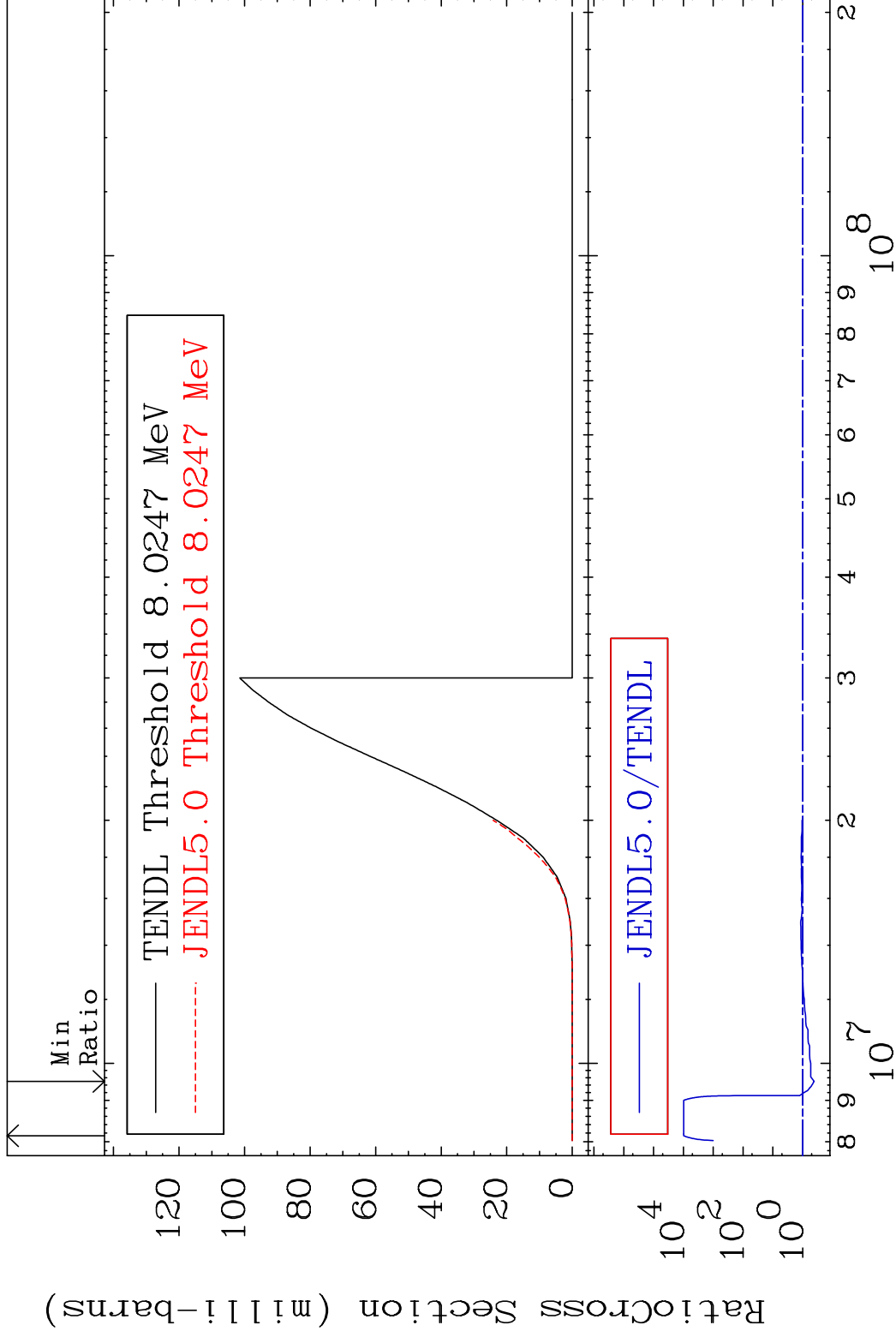
7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 60-Nd-144

MAT 6031

(n, n') p

60-Nd-144

Cross Section -58.45 To 9999. %



8

Incident Energy (eV)

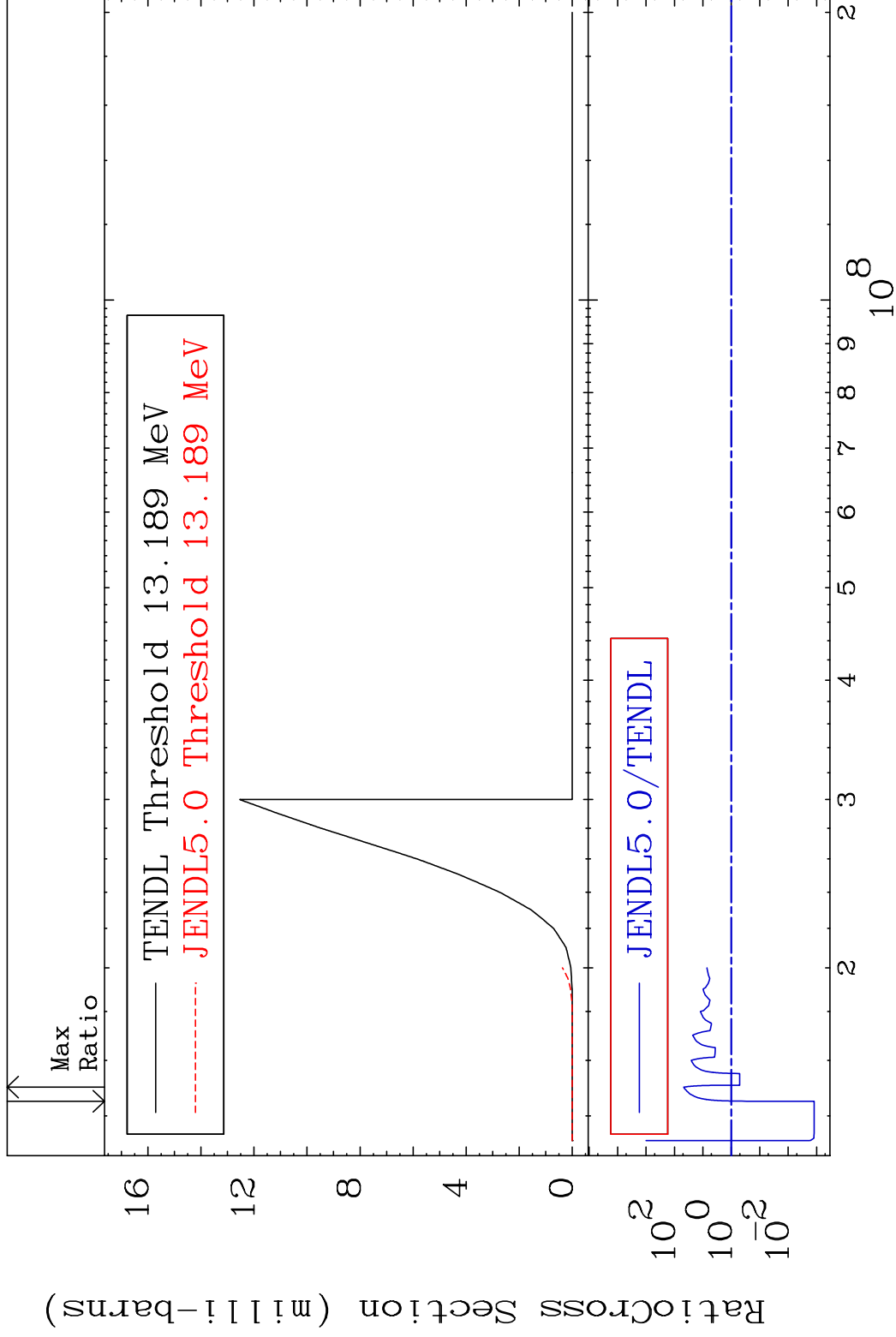
60-Nd-144

MAT 6031

(n, n') d

60-Nd-144

Cross Section -99.88 To 4642. %

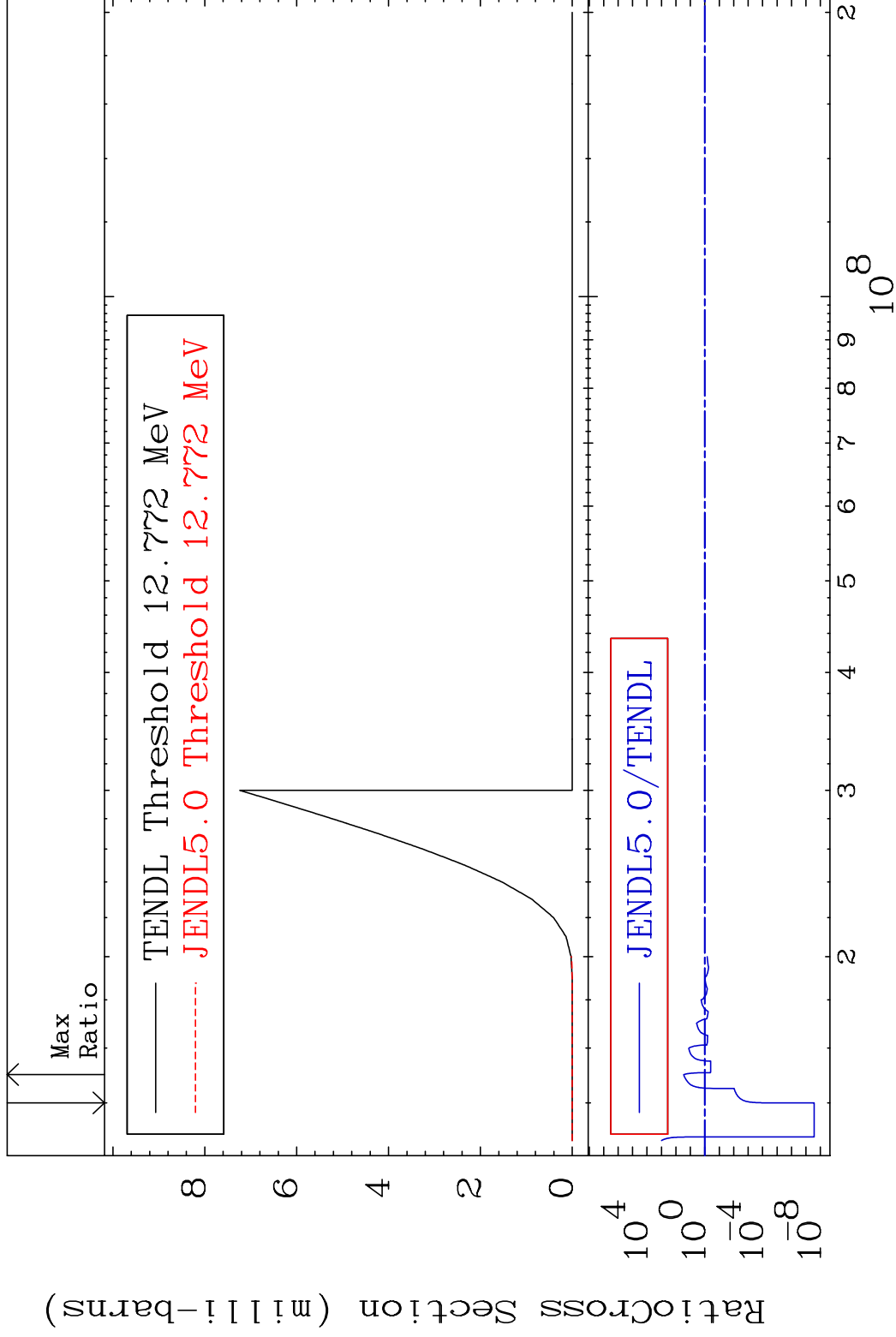


MAT 6031

(n, n') t

60-Nd-144

Cross Section -100.0 To 2811. %

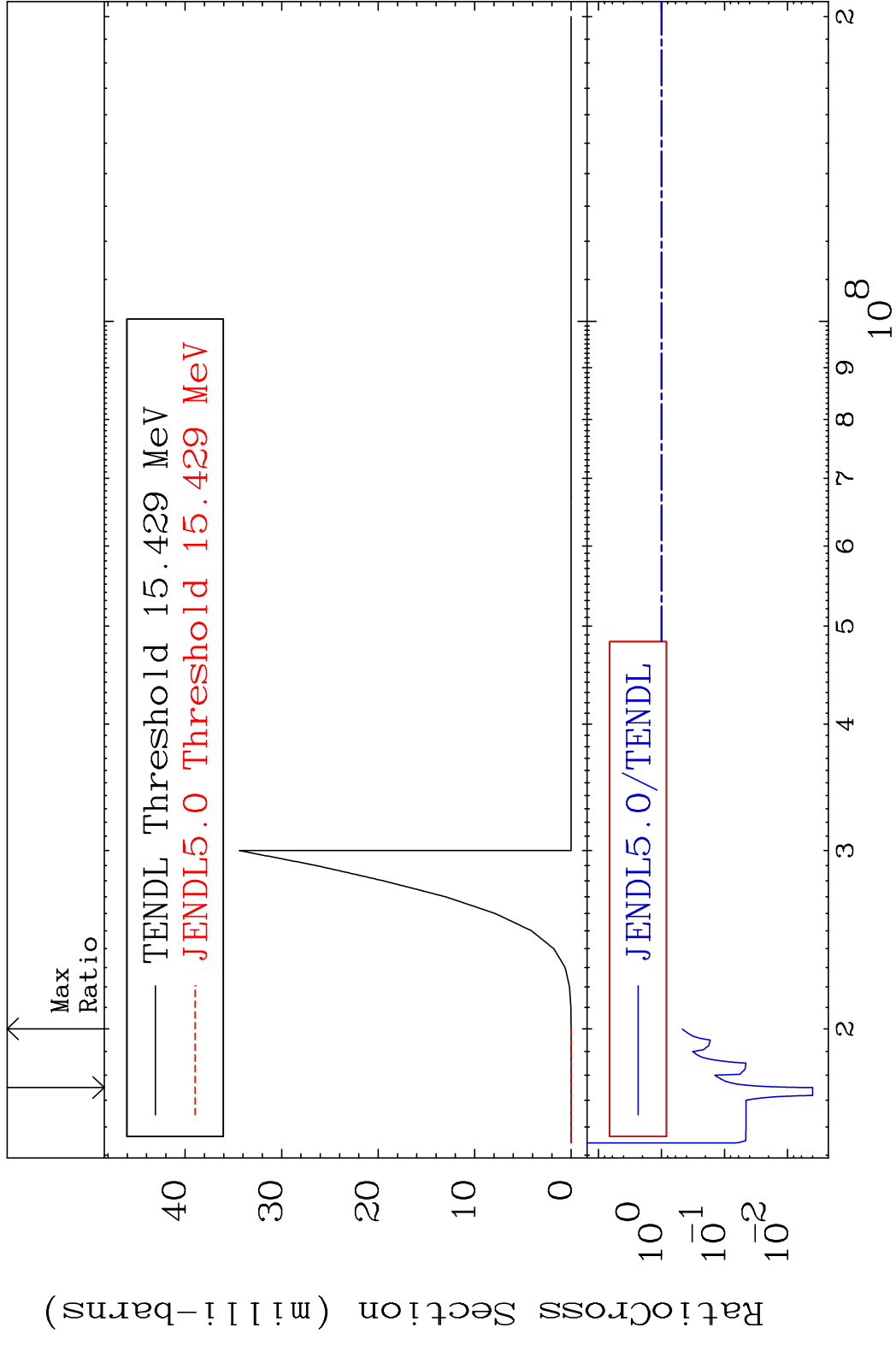


10

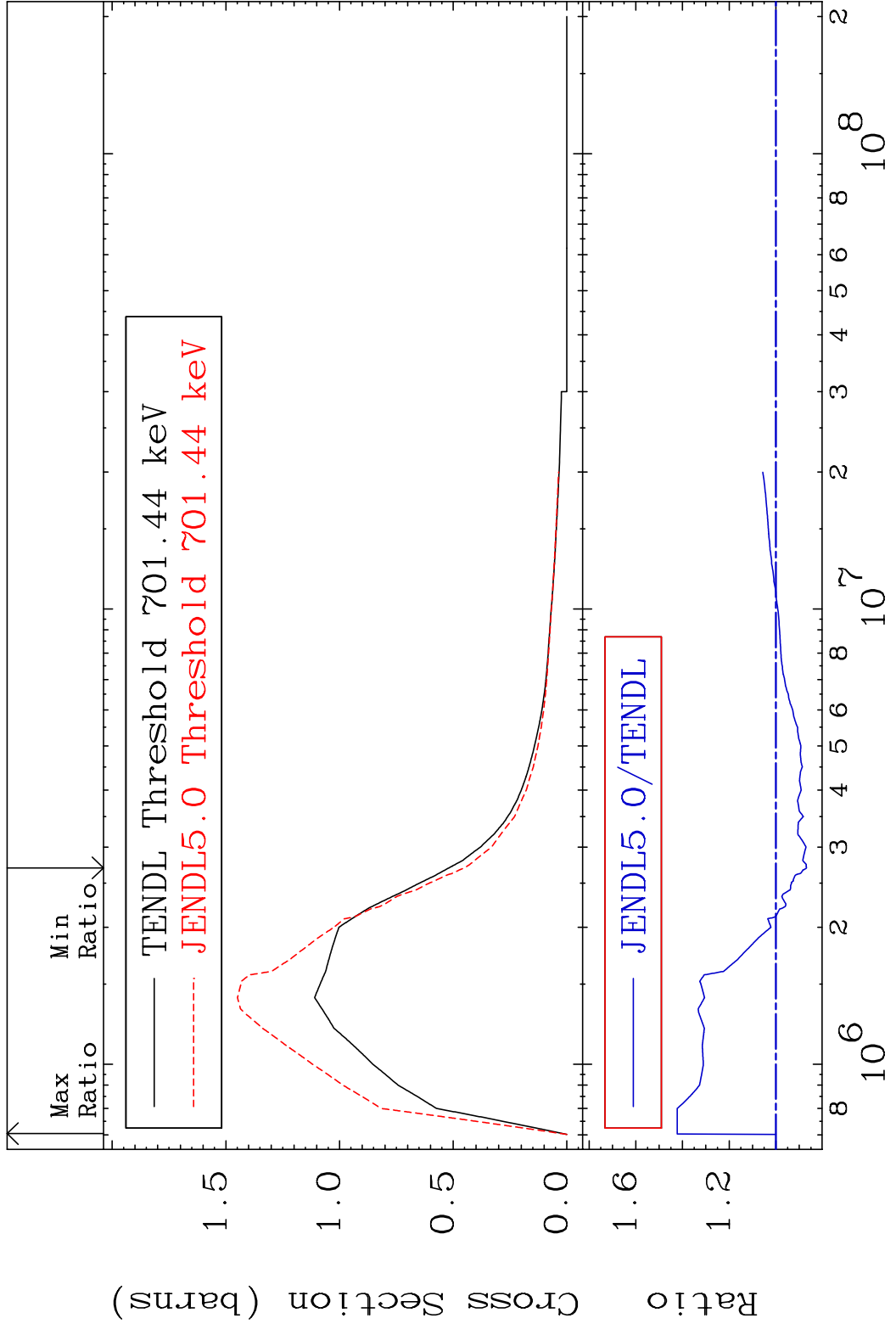
Incident Energy (eV)

60-Nd-144

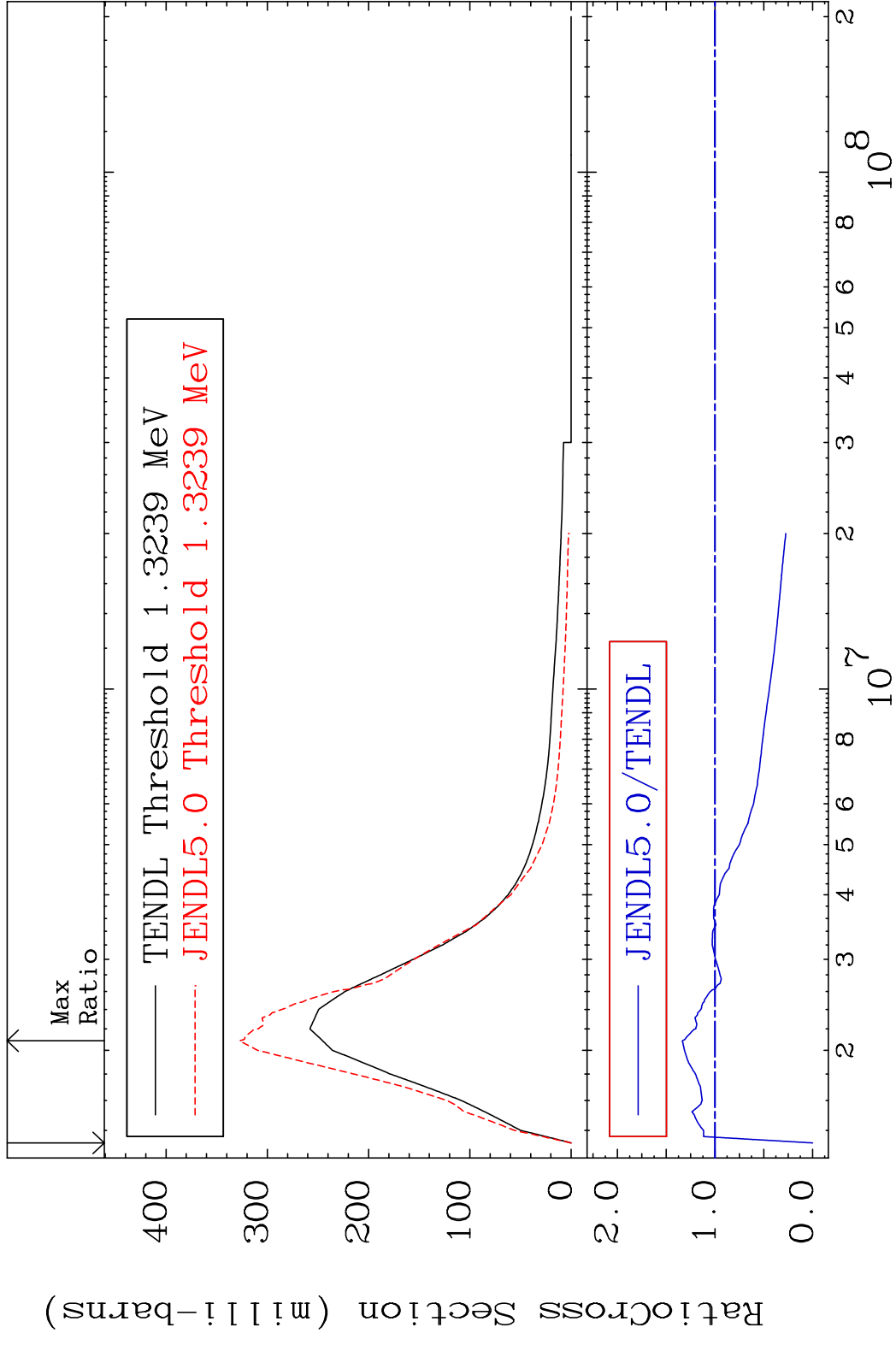
MAT 6031 (n,2n) p 60-Nd-144
 Cross Section -99.60 To -53.37%



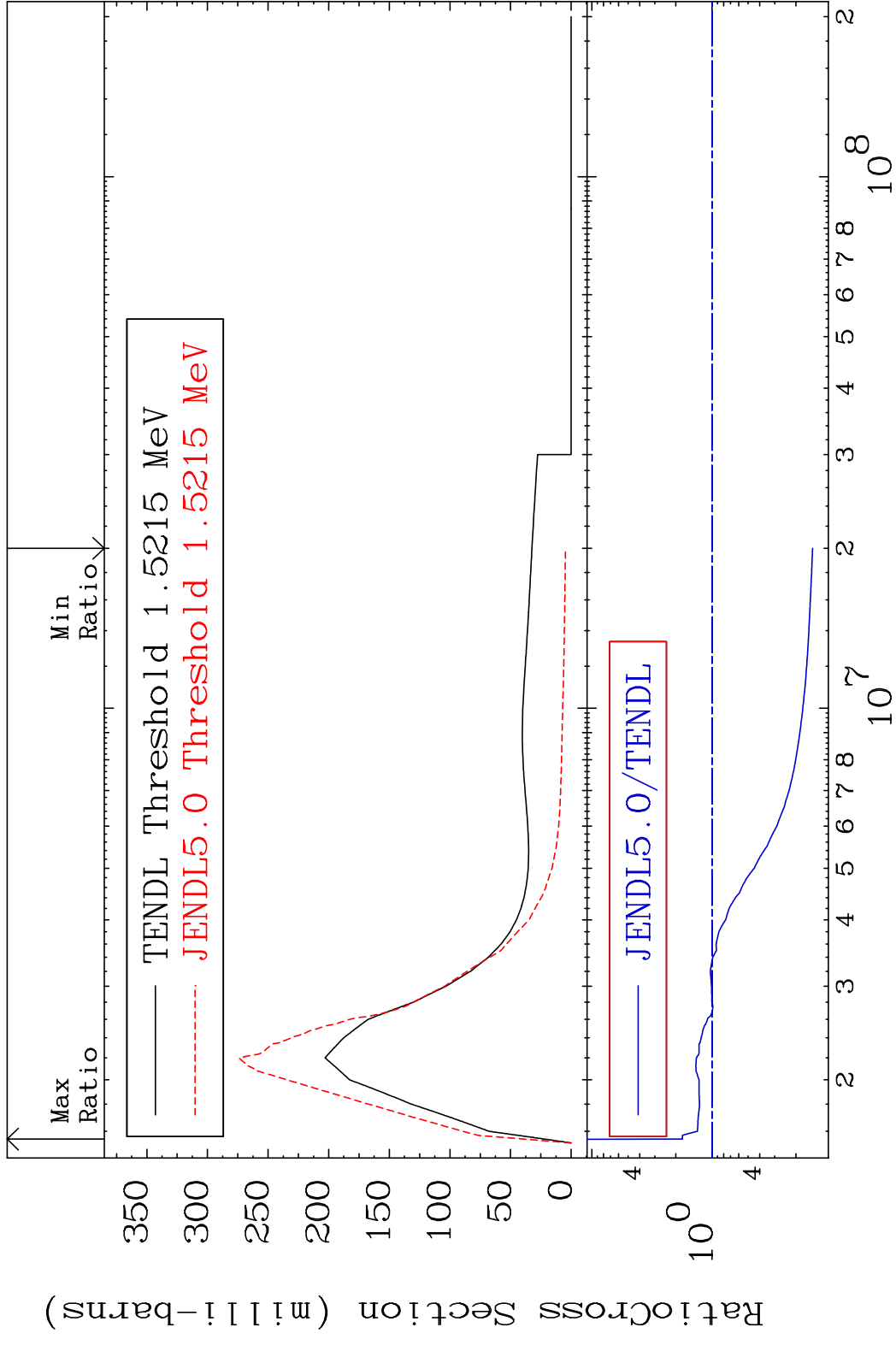
MAT 6031 MT= 51 (n,n') Level 60-Nd-144
 Cross Section -13.07 To 42.28 %



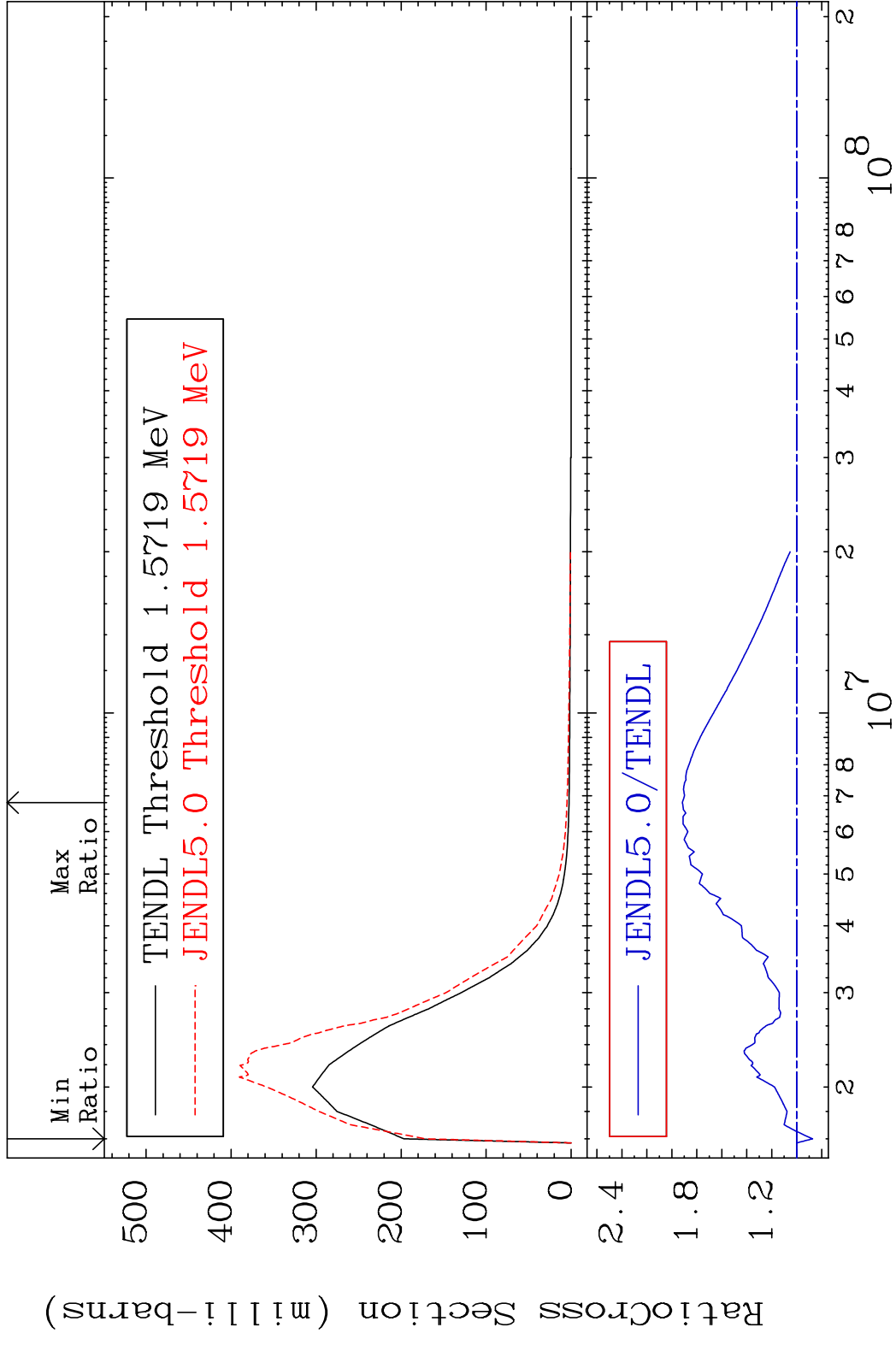
MAT 6031 MT= 52 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 33.46 %



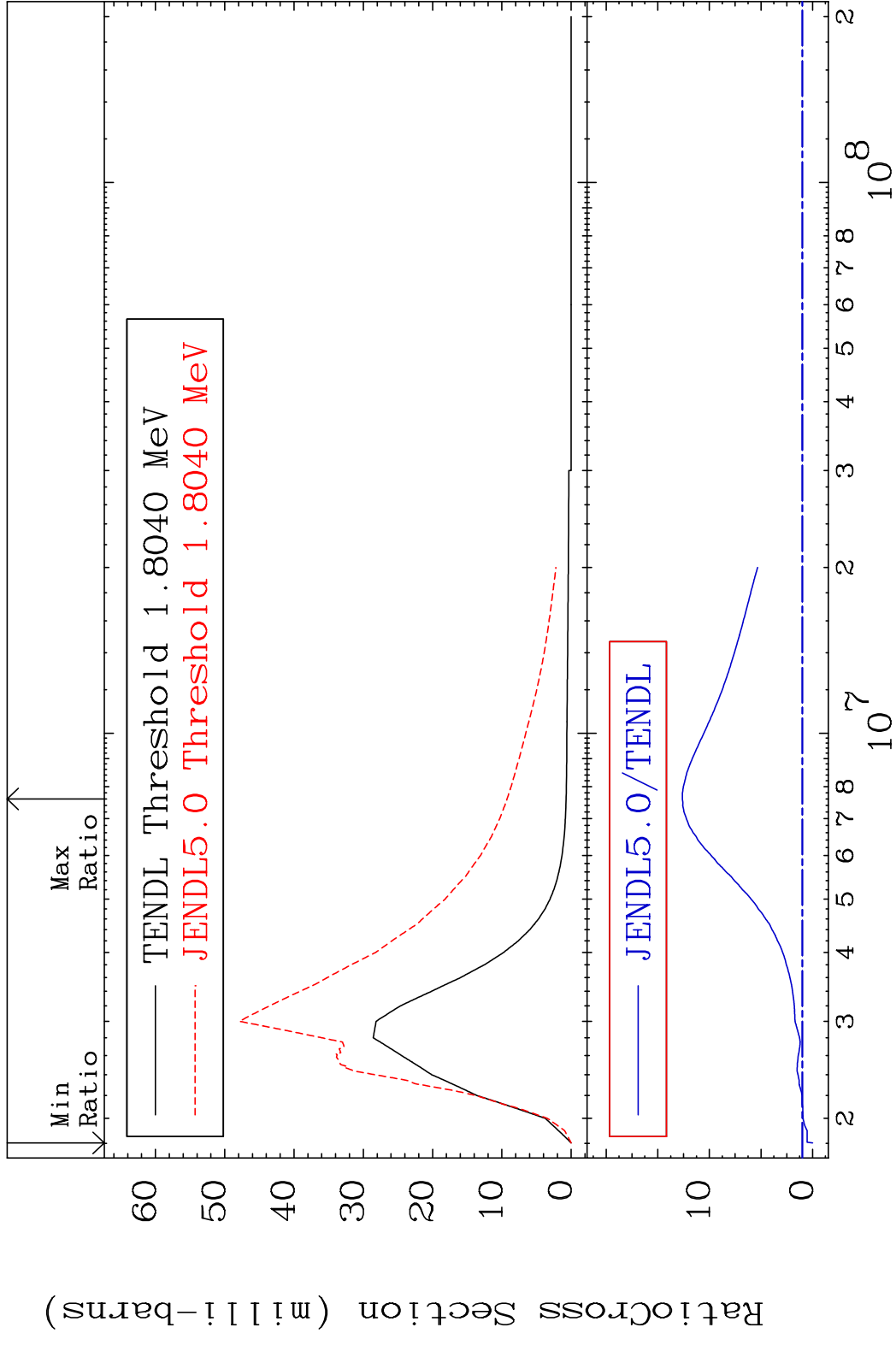
MAT 6031 MT= 53 (n, n') Level 60-Nd-144
 Cross Section -85.46 To 76.58 %



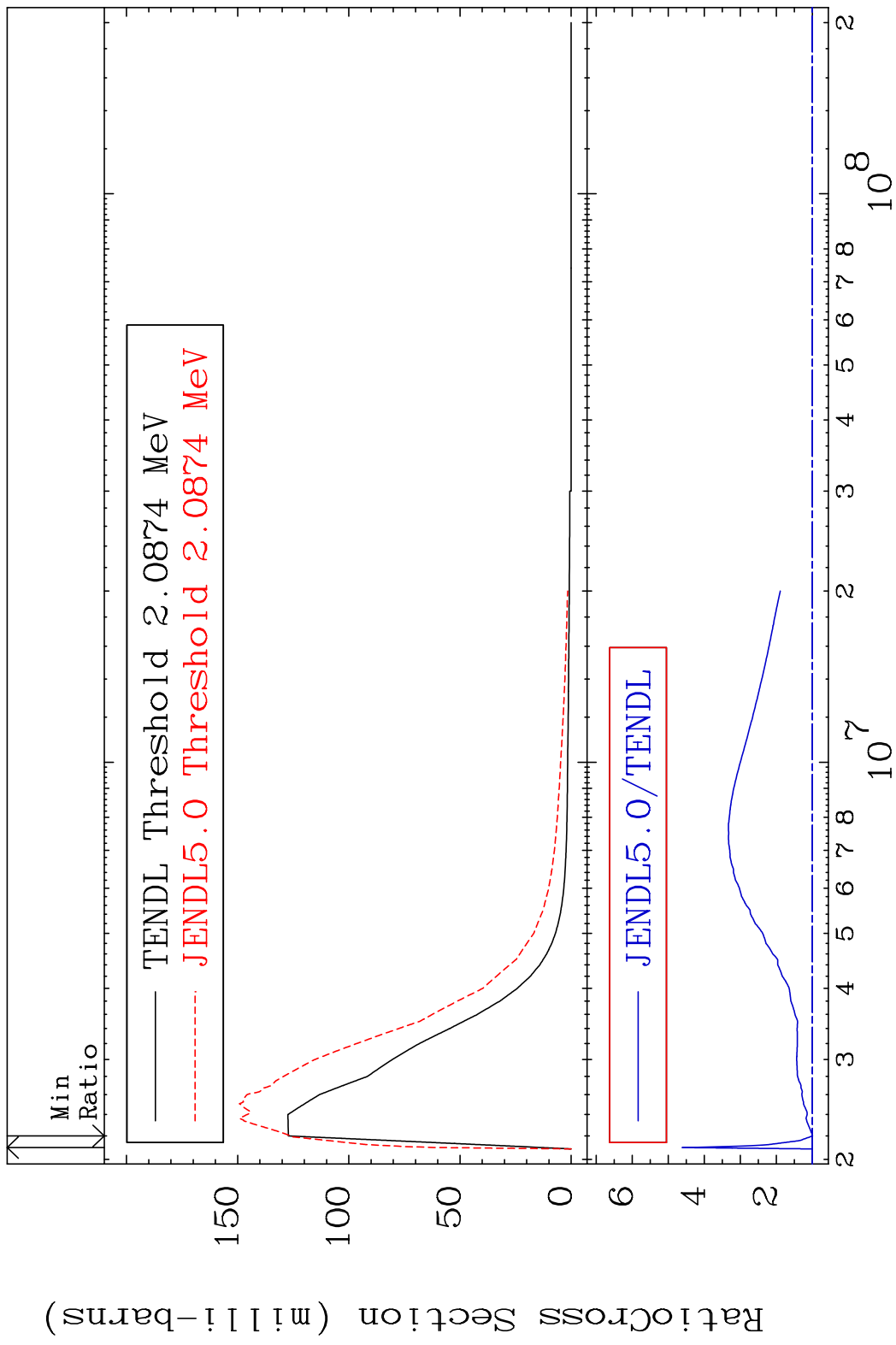
MAT 6031 MT= 54 (n, n') Level 60-Nd-144
 Cross Section -12.72 To 91.55 %



MAT 6031 MT= 55 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 1162. %

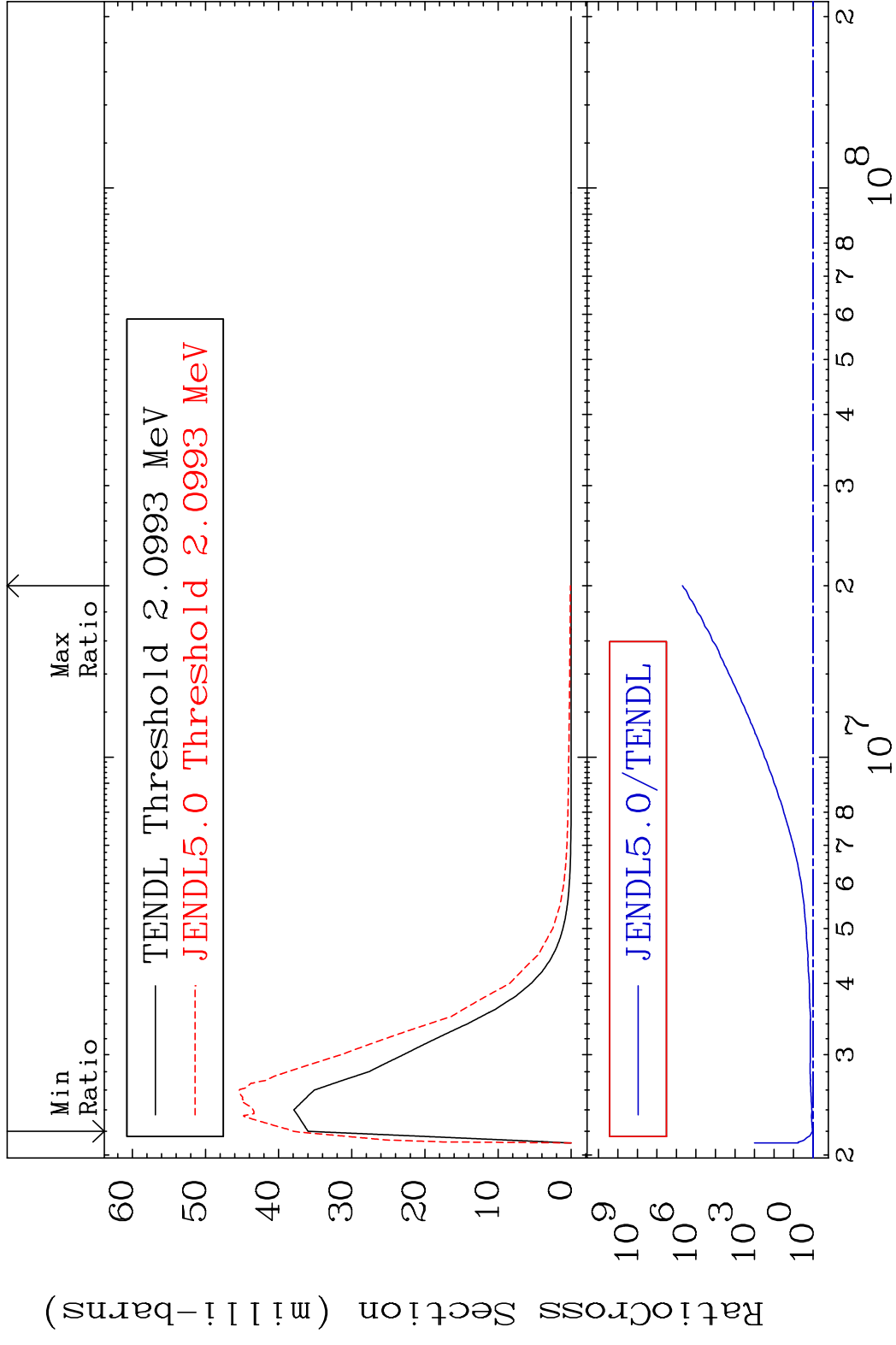


MAT 6031 MT= 56 (n,n') Level 60-Nd-144
 Cross Section -0.748 To 360.6 %

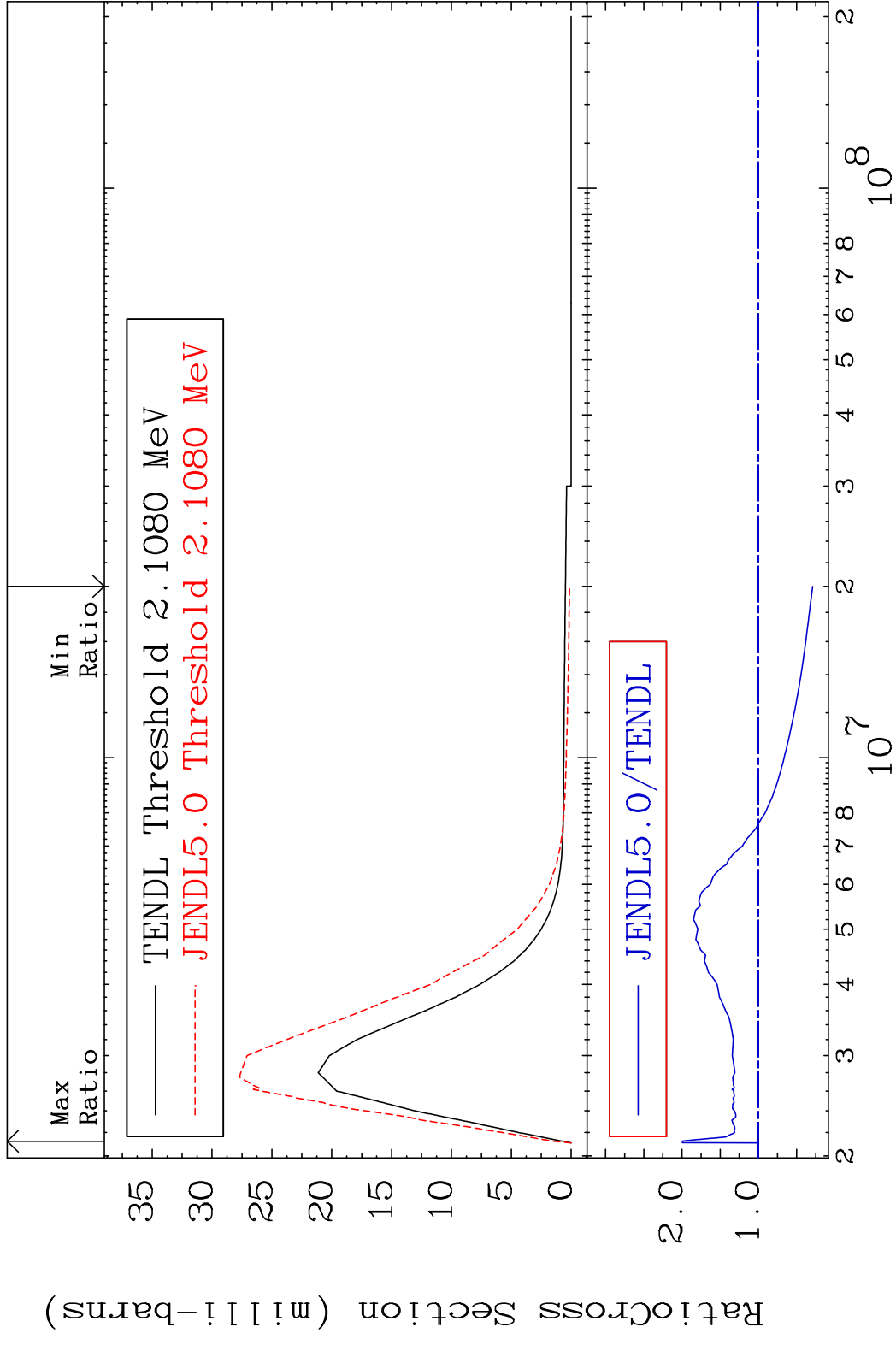


17 Incident Energy (eV) 60-Nd-144

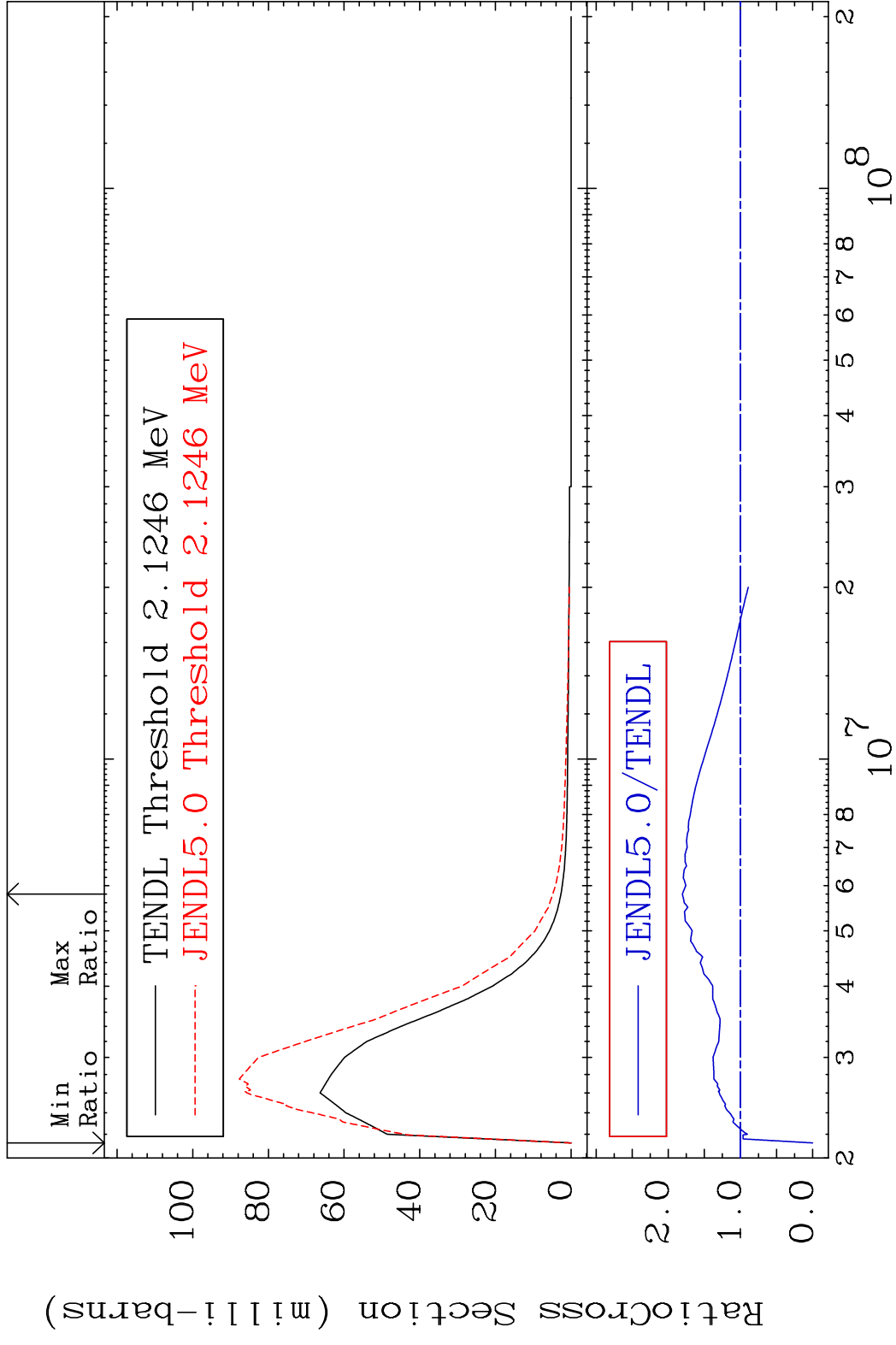
MAT 6031 MT= 57 (n, n') Level 60-Nd-144
 Cross Section 5.261 To 9999. %



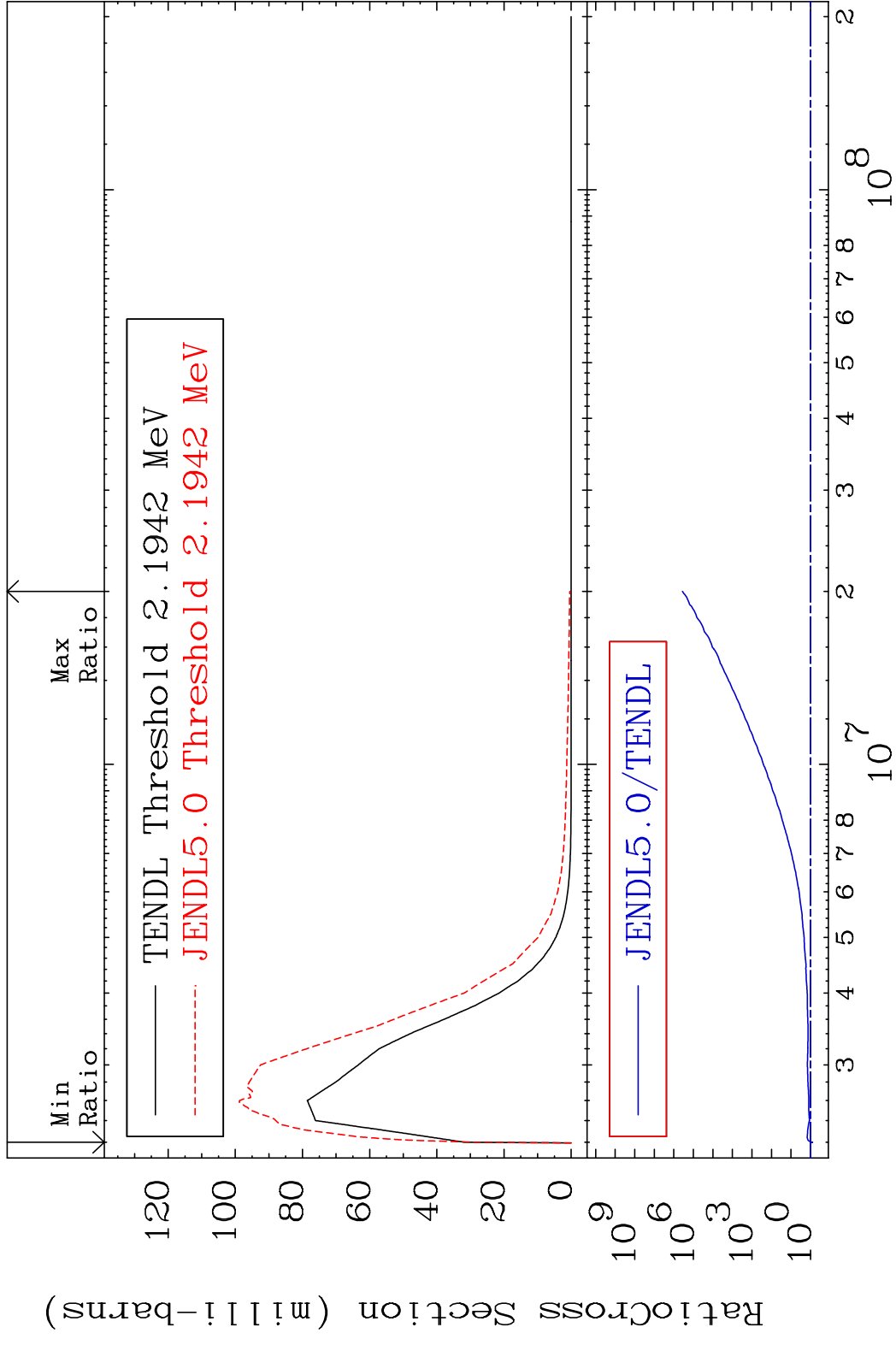
MAT 6031 MT= 58 (n, n') Level 60-Nd-144
 Cross Section -70.90 To 99.47 %



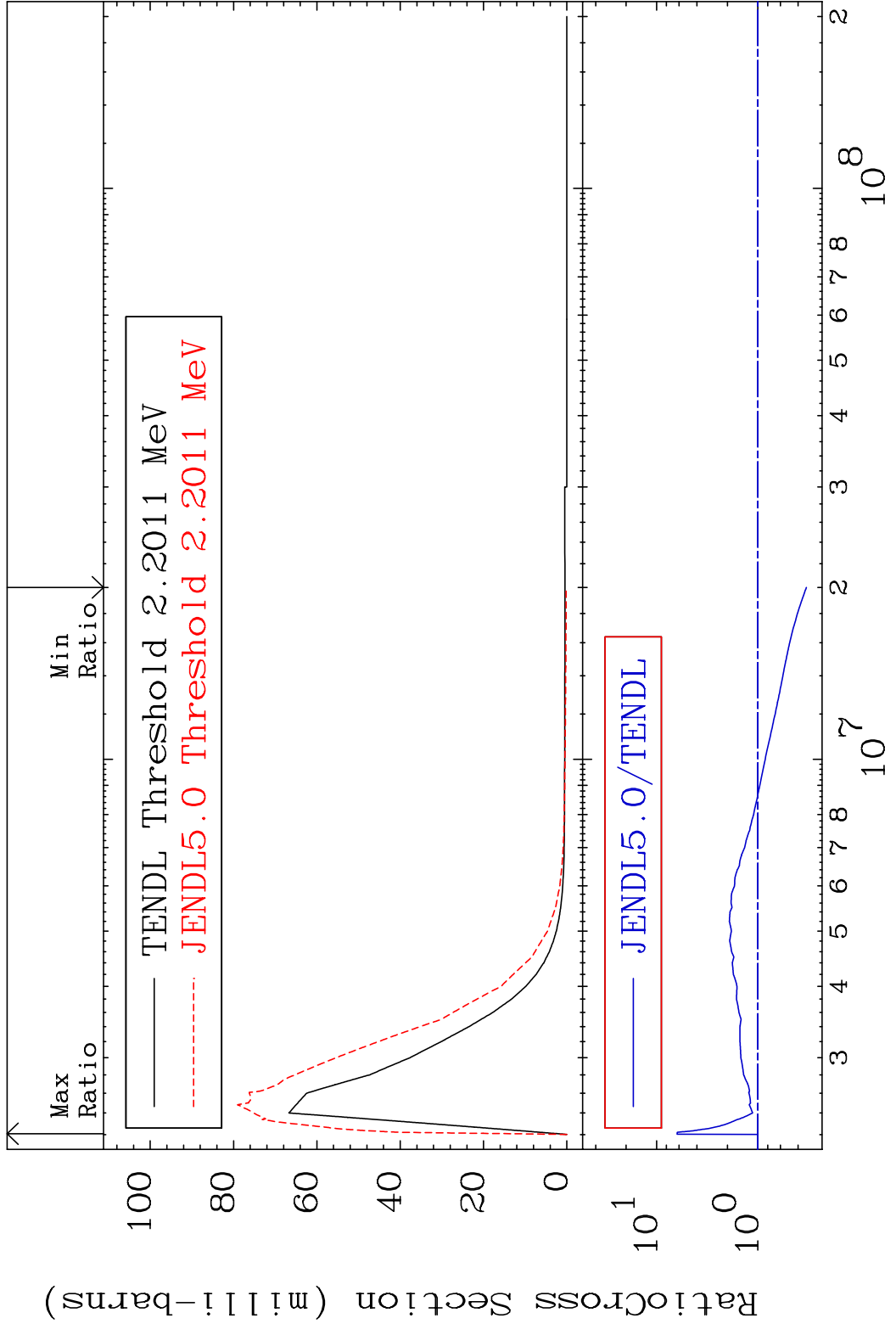
MAT 6031 MT= 59 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 80.50 %



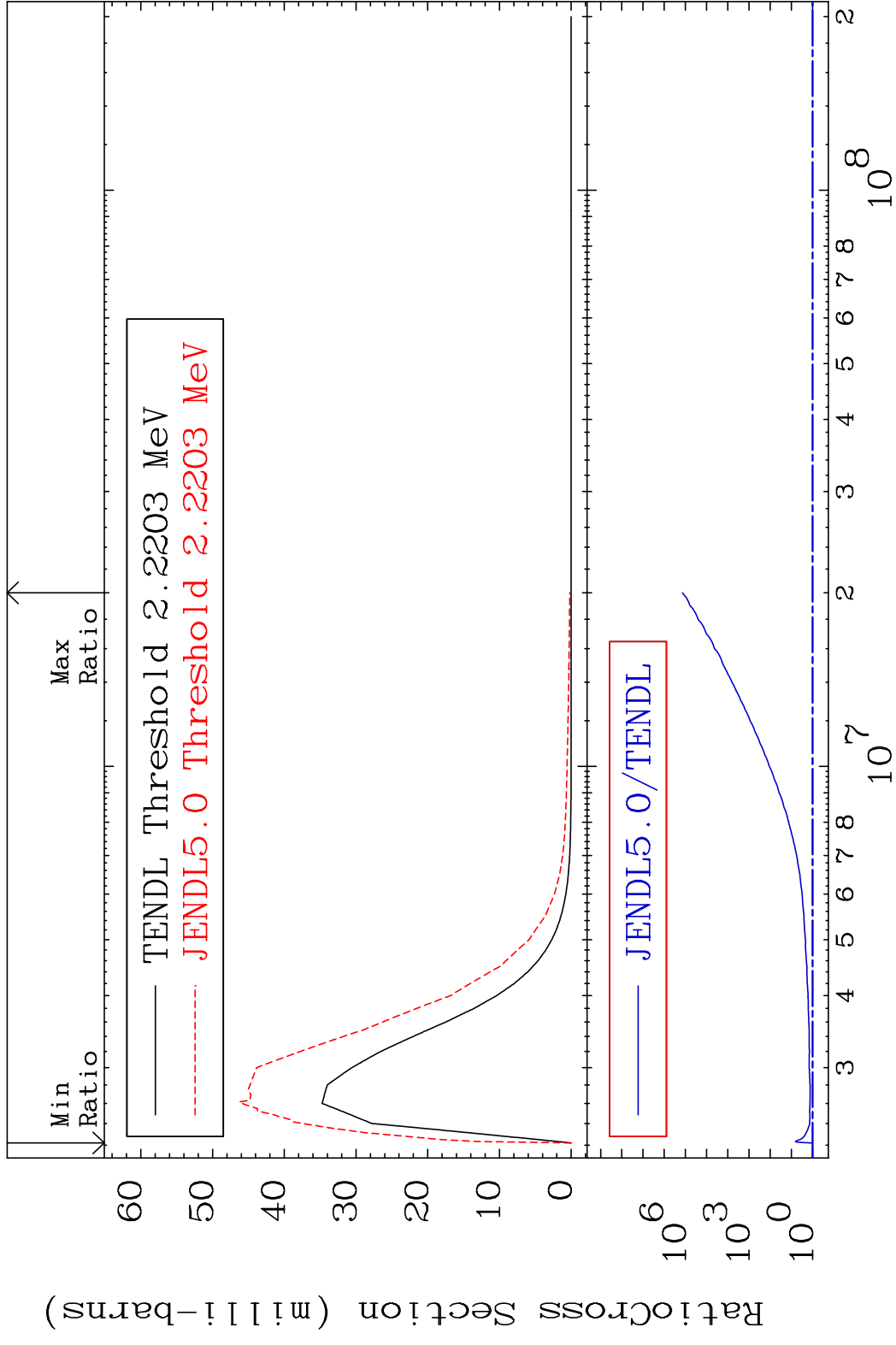
MAT 6031 MT= 60 (n, n') Level 60-Nd-144
 Cross Section -20.66 To 9999. %



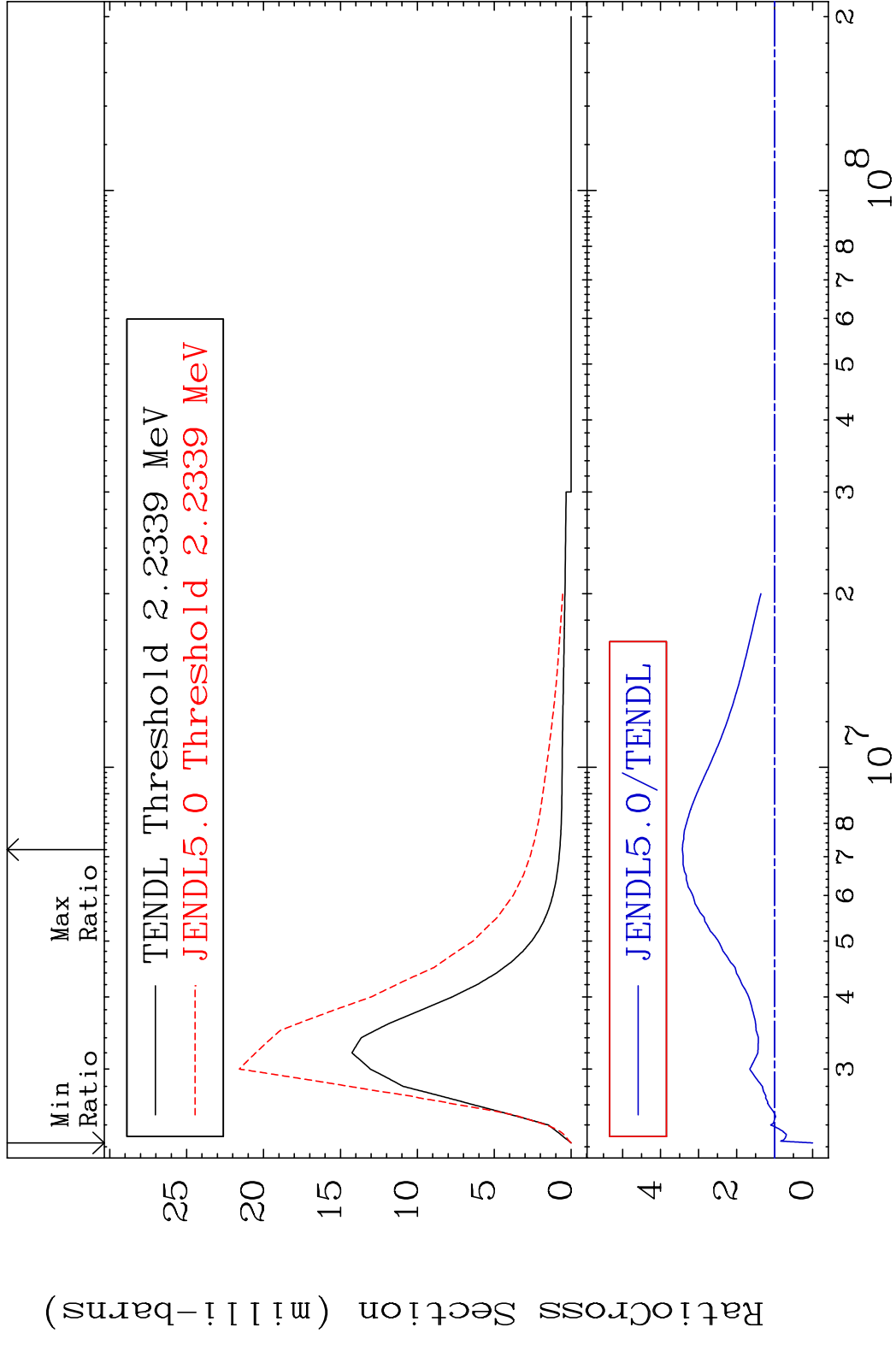
MAT 6031 MT= 61 (n, n') Level 60-Nd-144
 Cross Section -66.85 To 526.3 %



MAT 6031 MT= 62 (n, n') Level 60-Nd-144
 Cross Section 0.000 To 9999. %

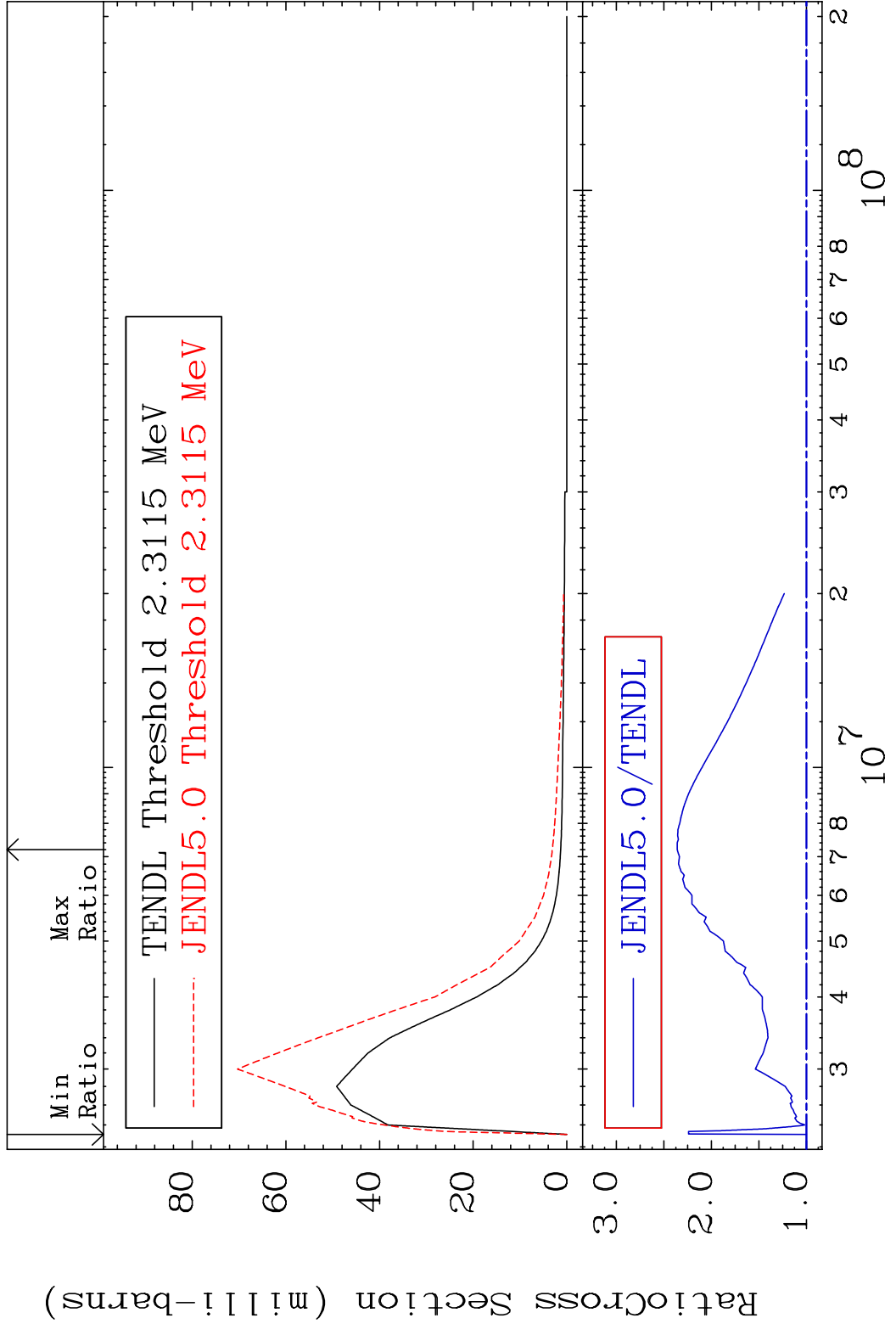


MAT 6031 MT= 63 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 242.7 %

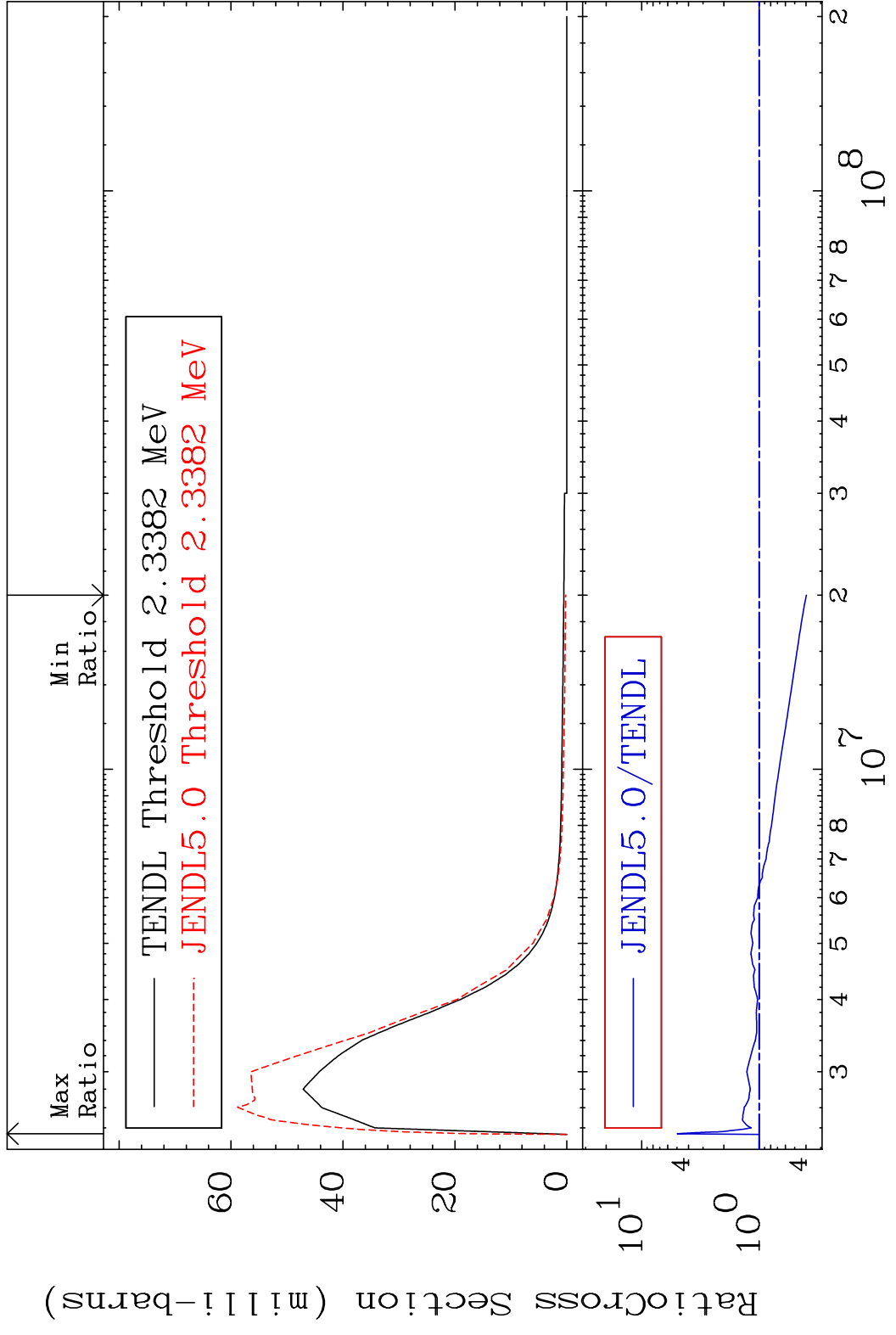


24 Incident Energy (eV) 60-Nd-144

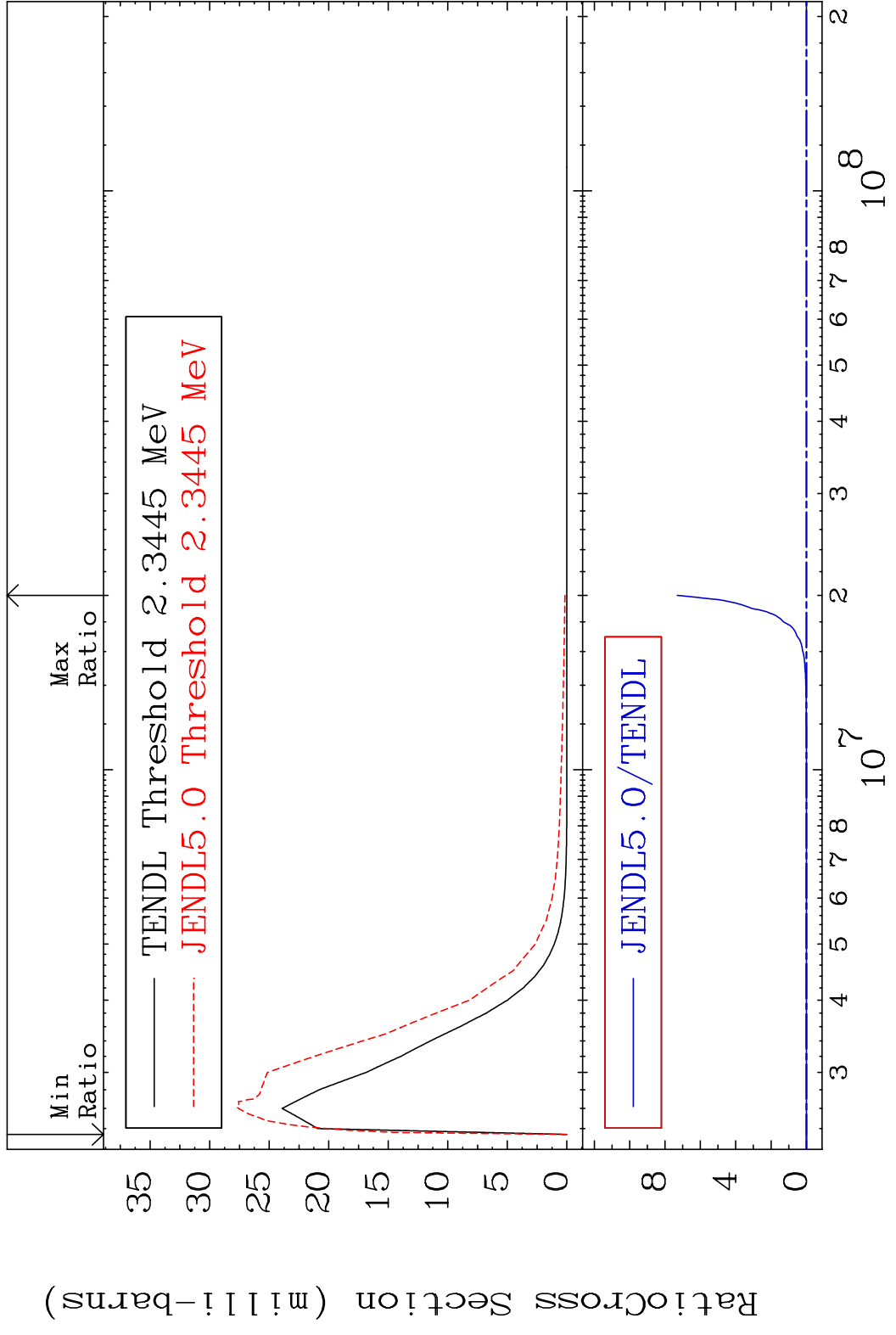
MAT 6031 MT= 64 (n,n') Level 60-Nd-144
 Cross Section 0.000 To 136.0 %



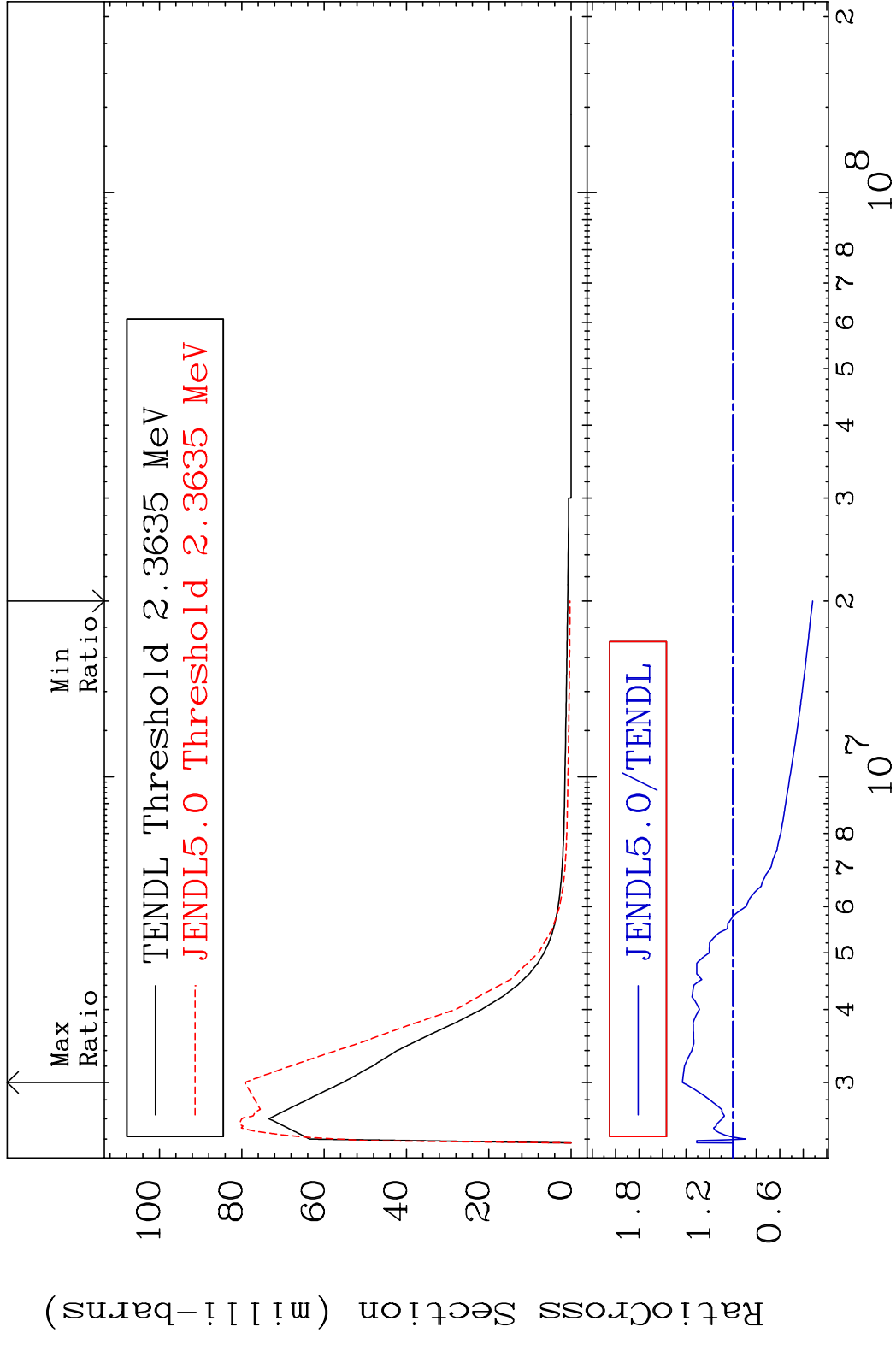
MAT 6031 MT= 65 (n,n') Level 60-Nd-144
 Cross Section -60.30 To 398.6 %



MAT 6031 MT= 66 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 9999. %

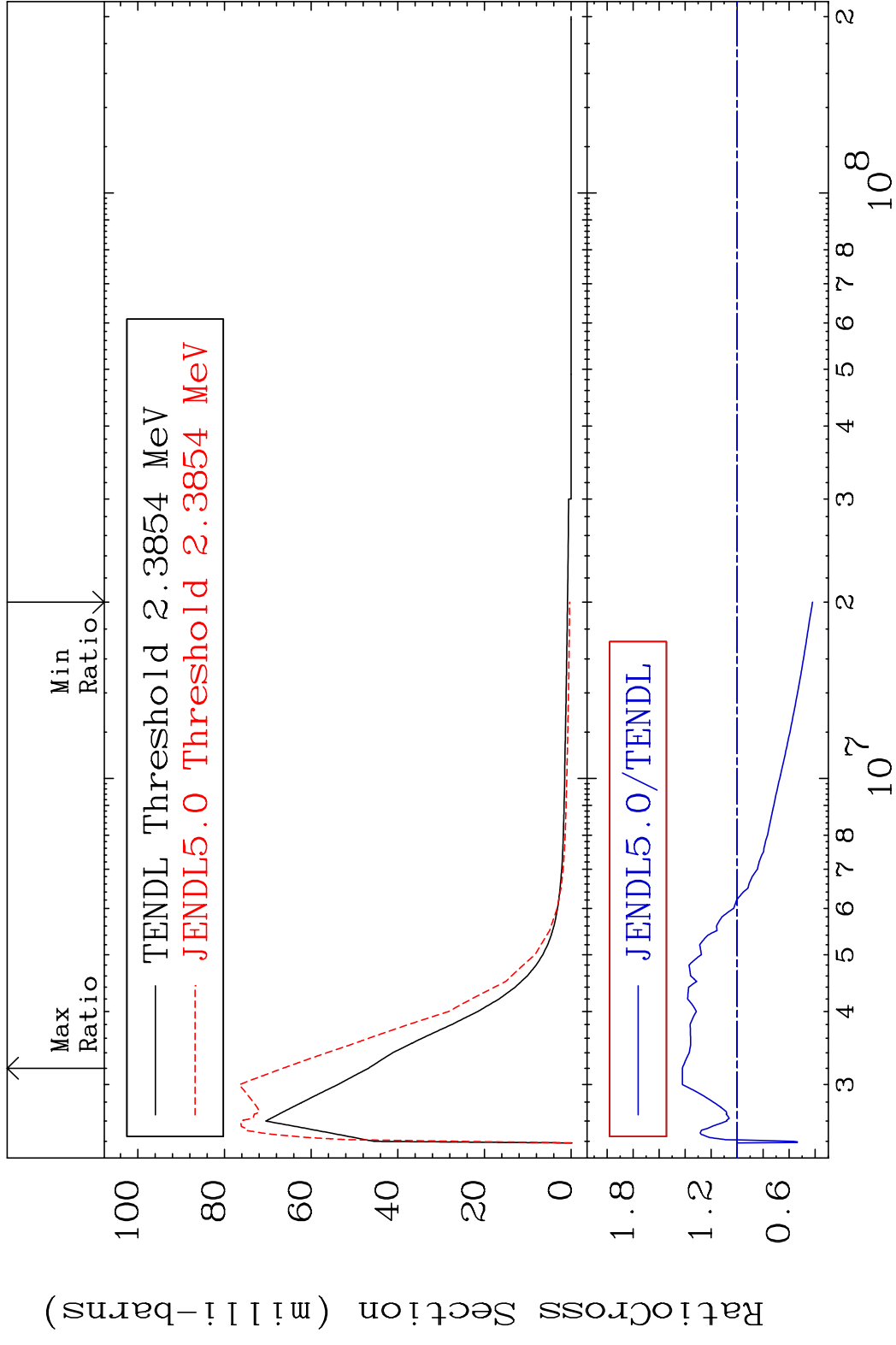


MAT 6031 MT= 67 (n,n') Level 60-Nd-144
 Cross Section -67.93 To 43.13 %

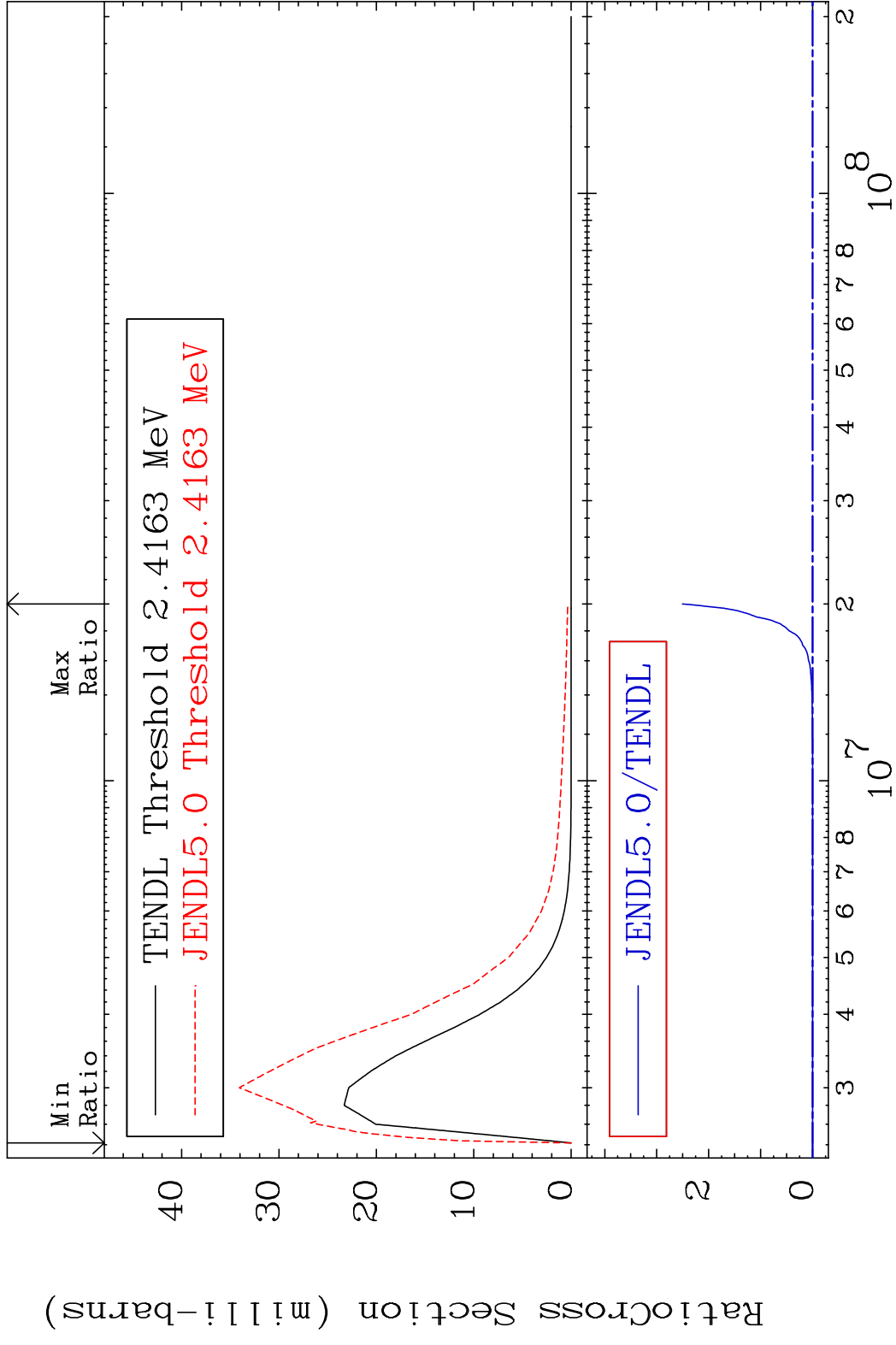


28 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 68 (n,n') Level 60-Nd-144
 Cross Section -57.97 To 42.21 %



MAT 6031 MT= 69 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 9999. %

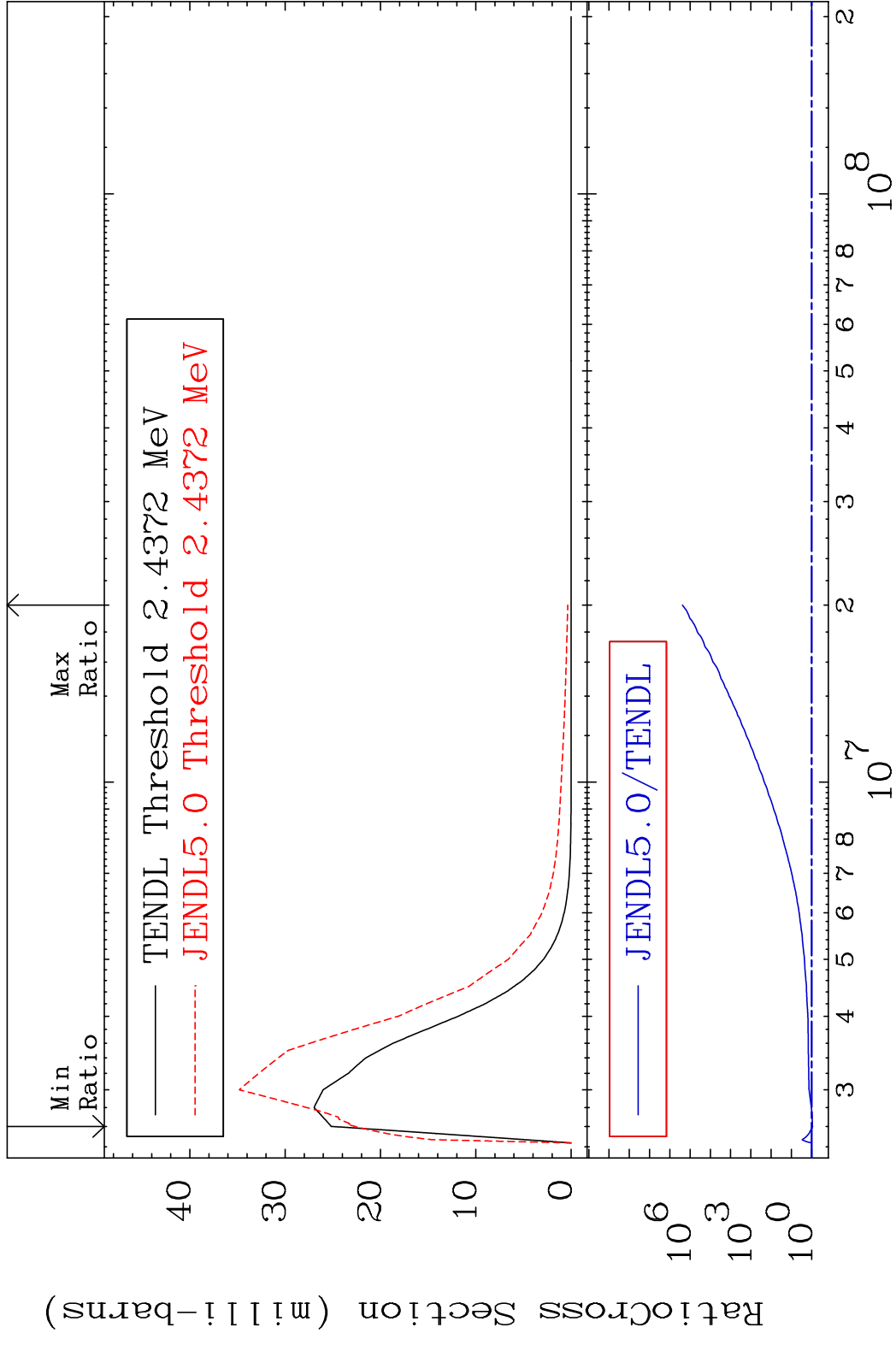


30

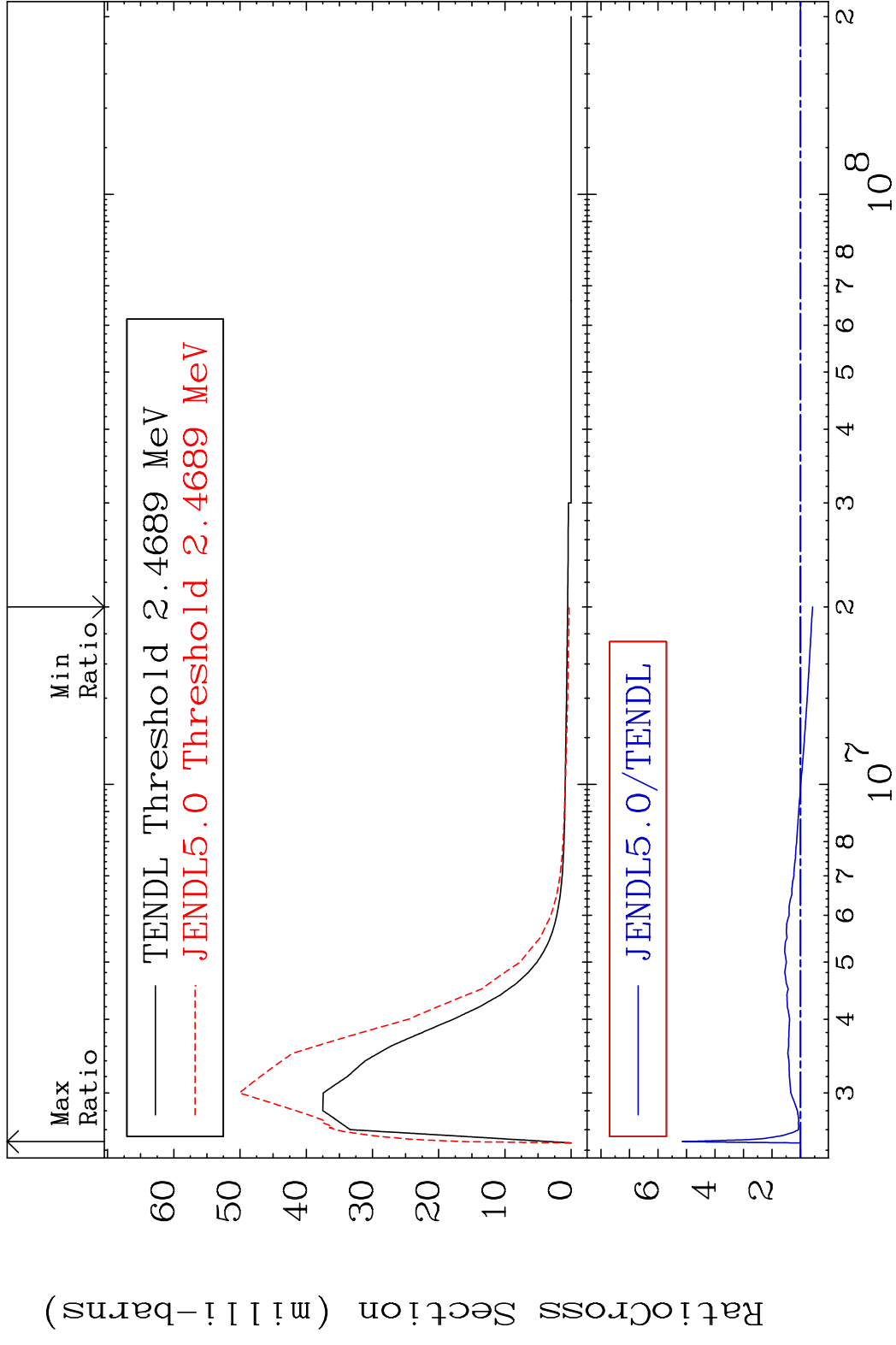
Incident Energy (eV)

60-Nd-144

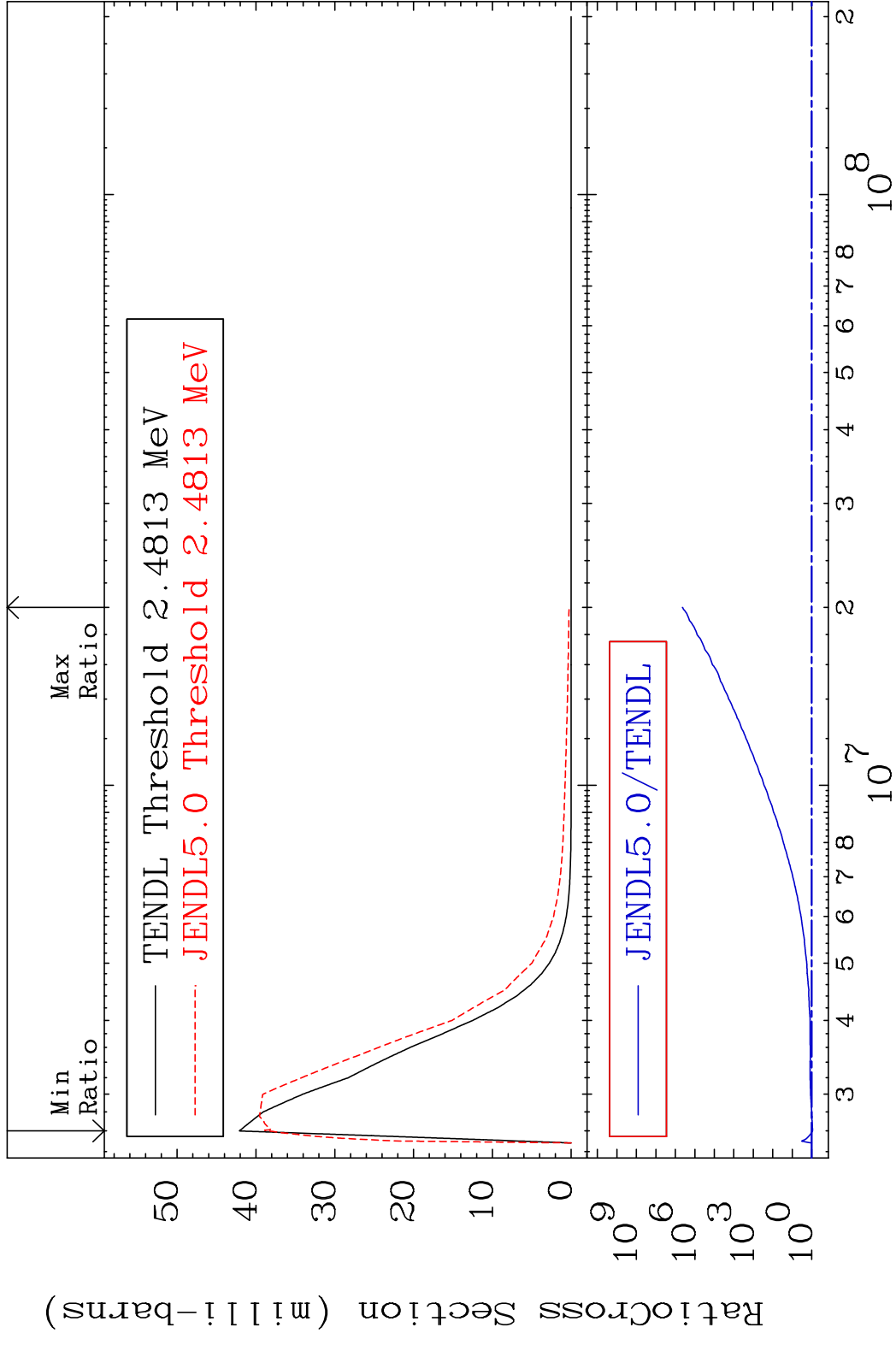
MAT 6031 MT= 70 (n,n') Level 60-Nd-144
 Cross Section -9.825 To 9999. %



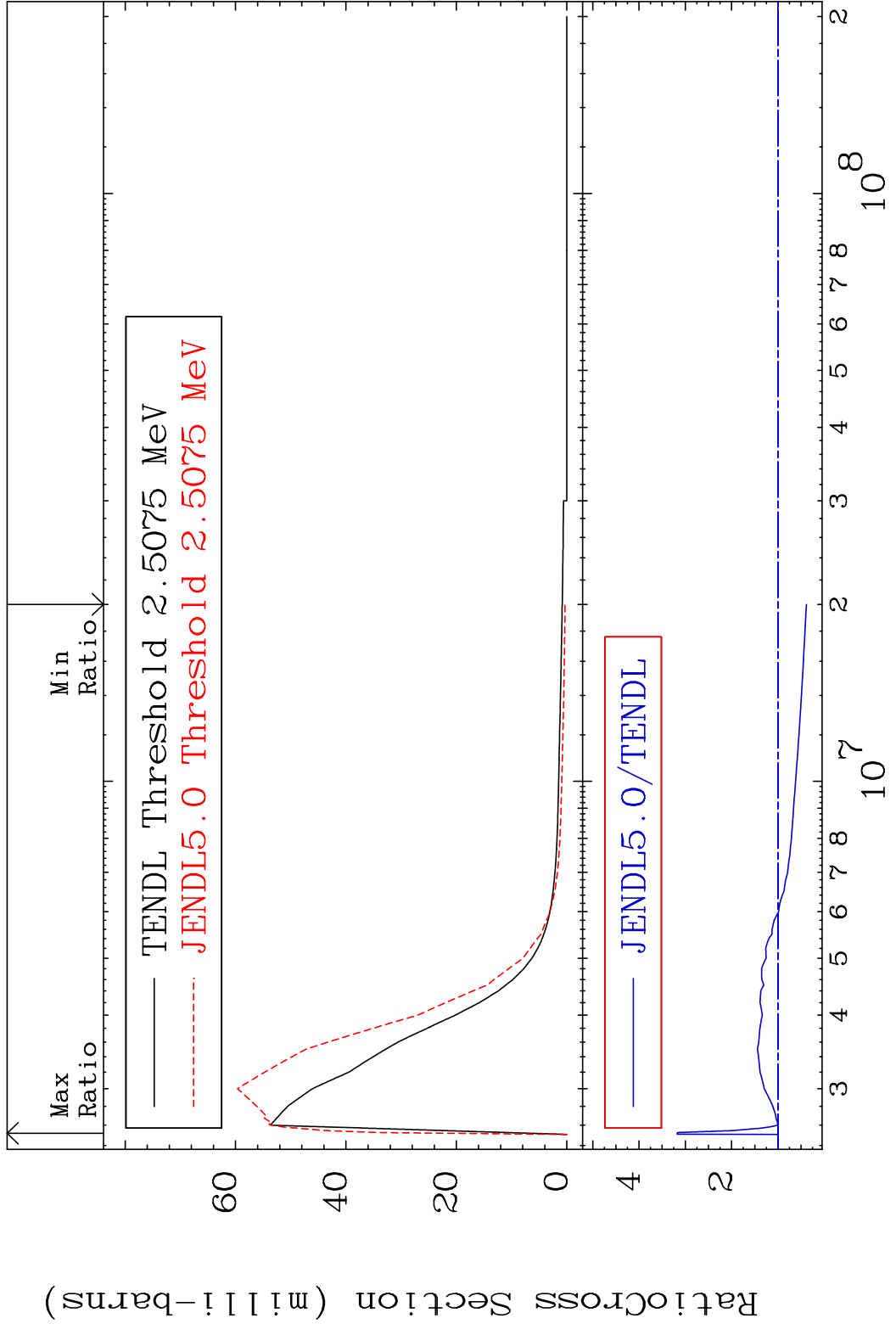
MAT 6031 MT= 71 (n,n') Level 60-Nd-144
 Cross Section -42.39 To 414.4 %



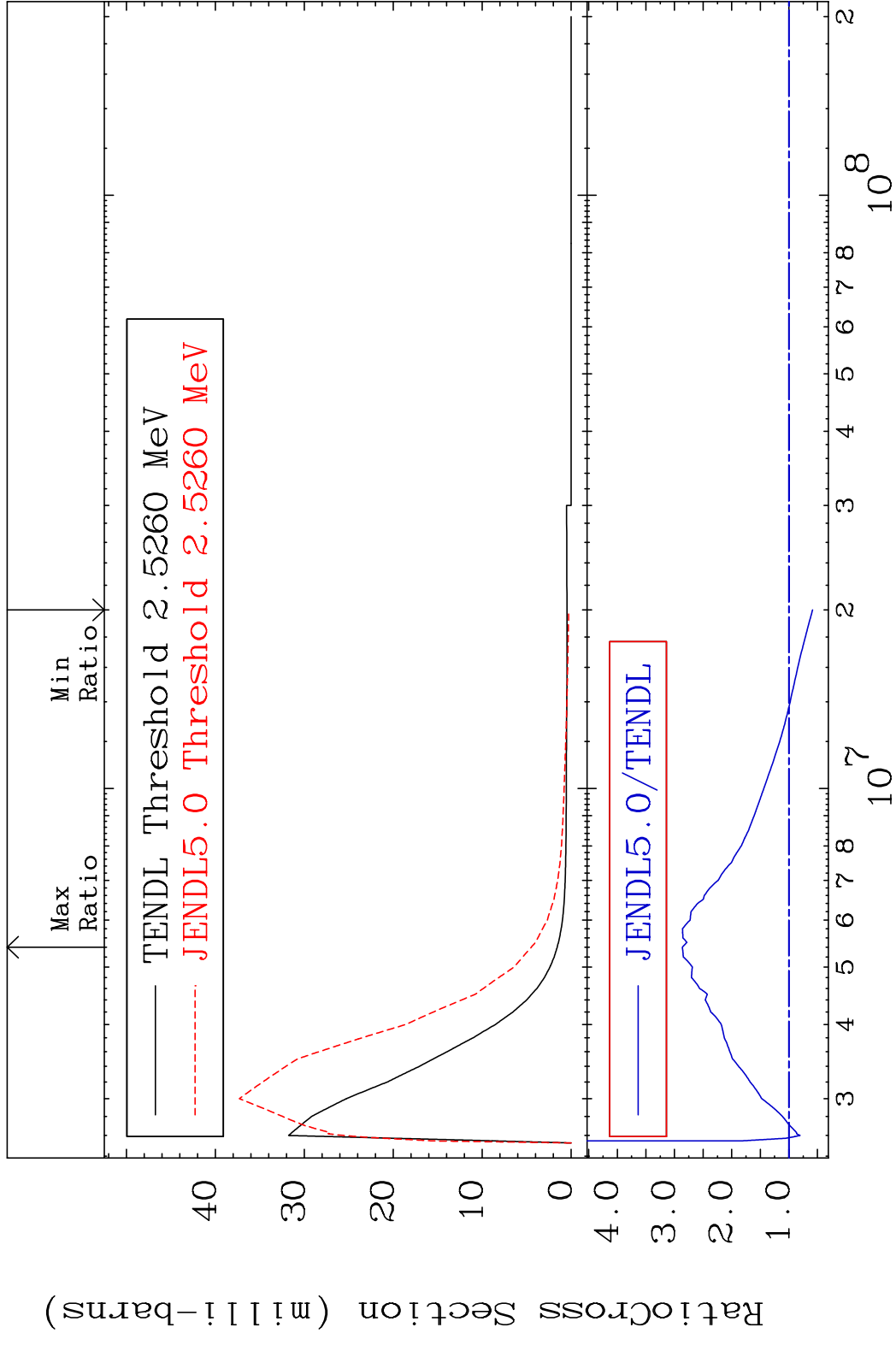
MAT 6031 MT= 72 (n, n') Level 60-Nd-144
 Cross Section -9.104 To 9999. %



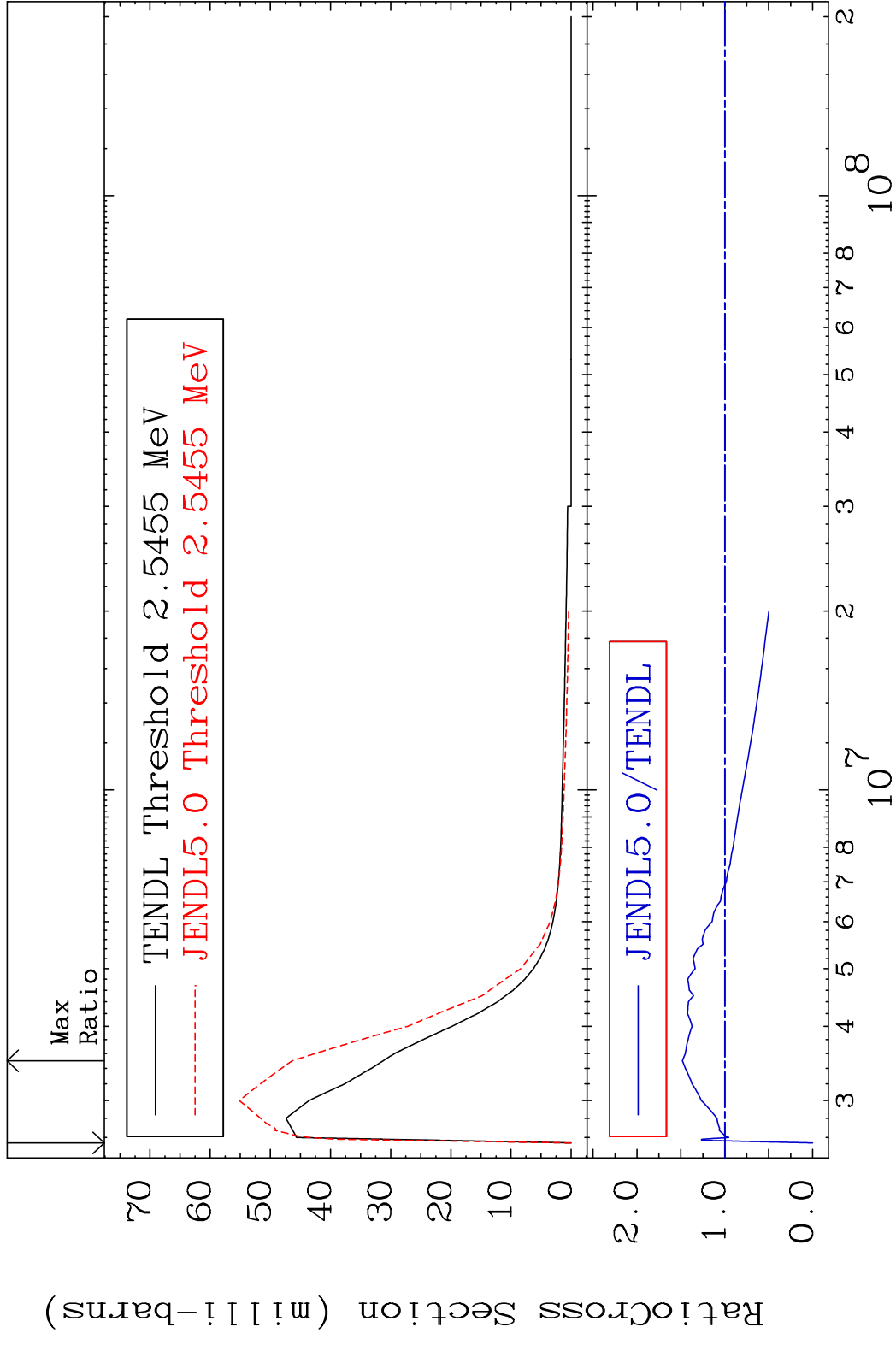
MAT 6031 MT= 73 (n, n') Level 60-Nd-144
 Cross Section -61.57 To 217.5 %



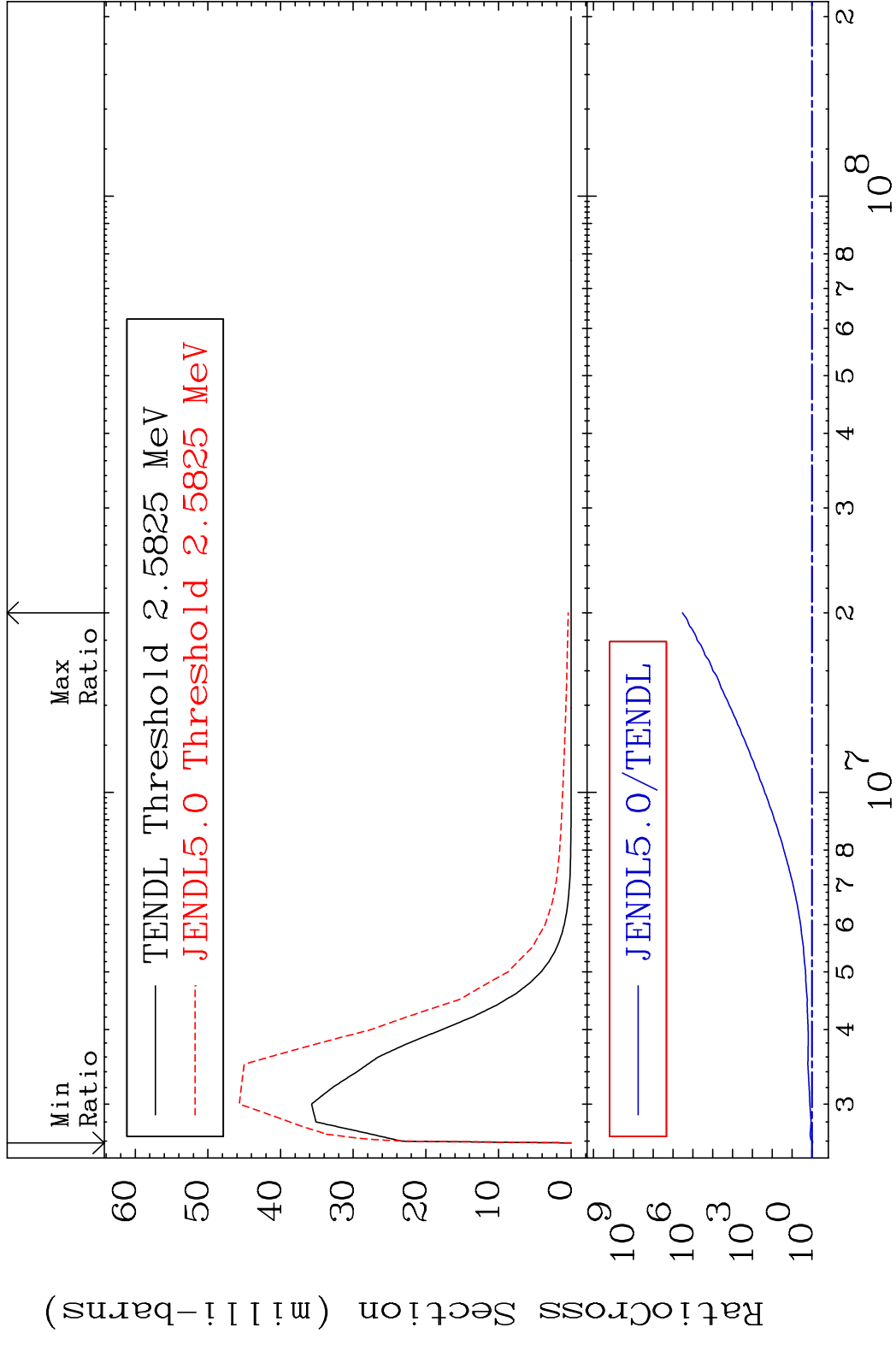
MAT 6031 MT= 74 (n, n') Level 60-Nd-144
 Cross Section -41.39 To 186.3 %



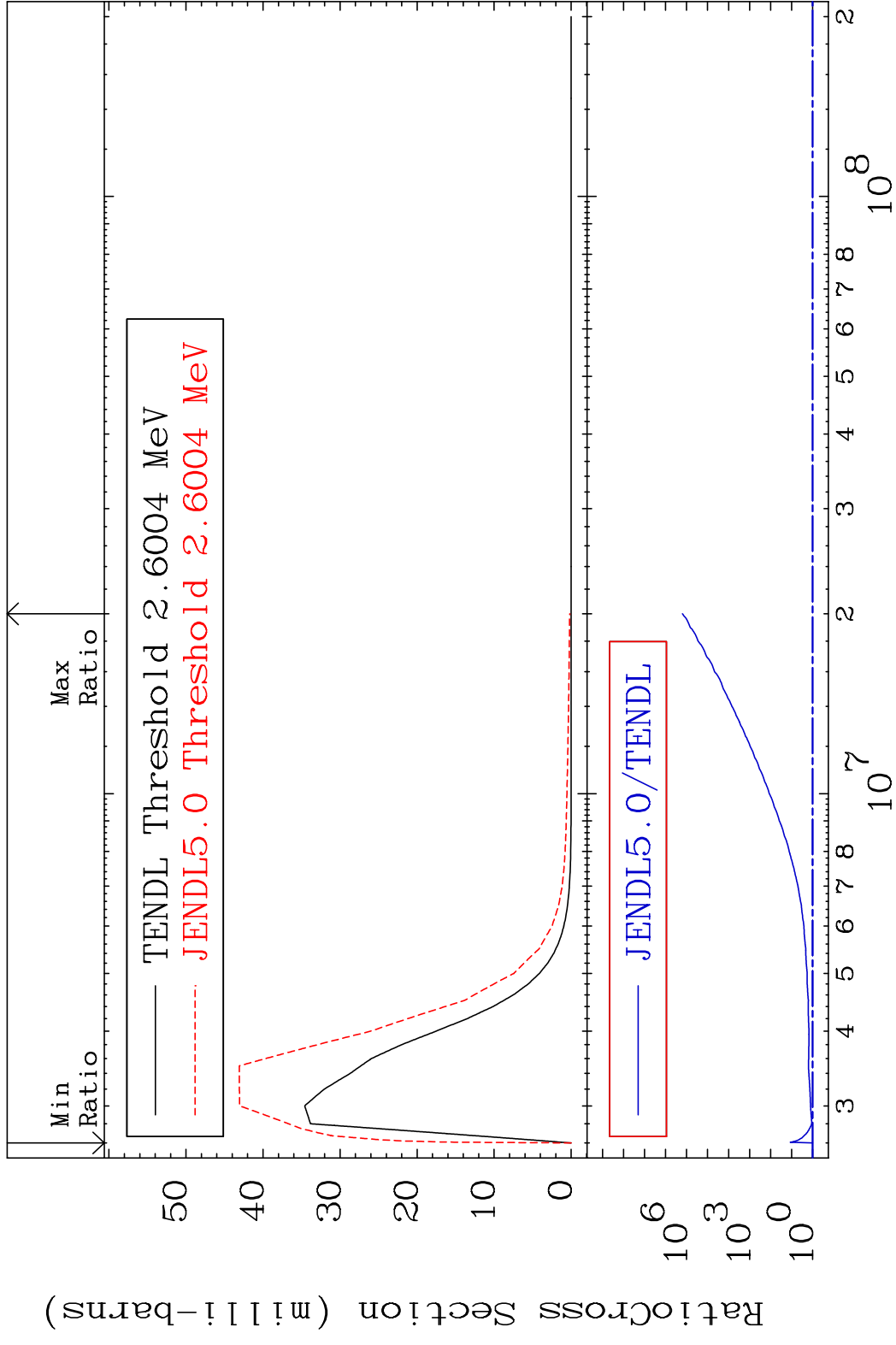
MAT 6031 MT= 75 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 48.30 %



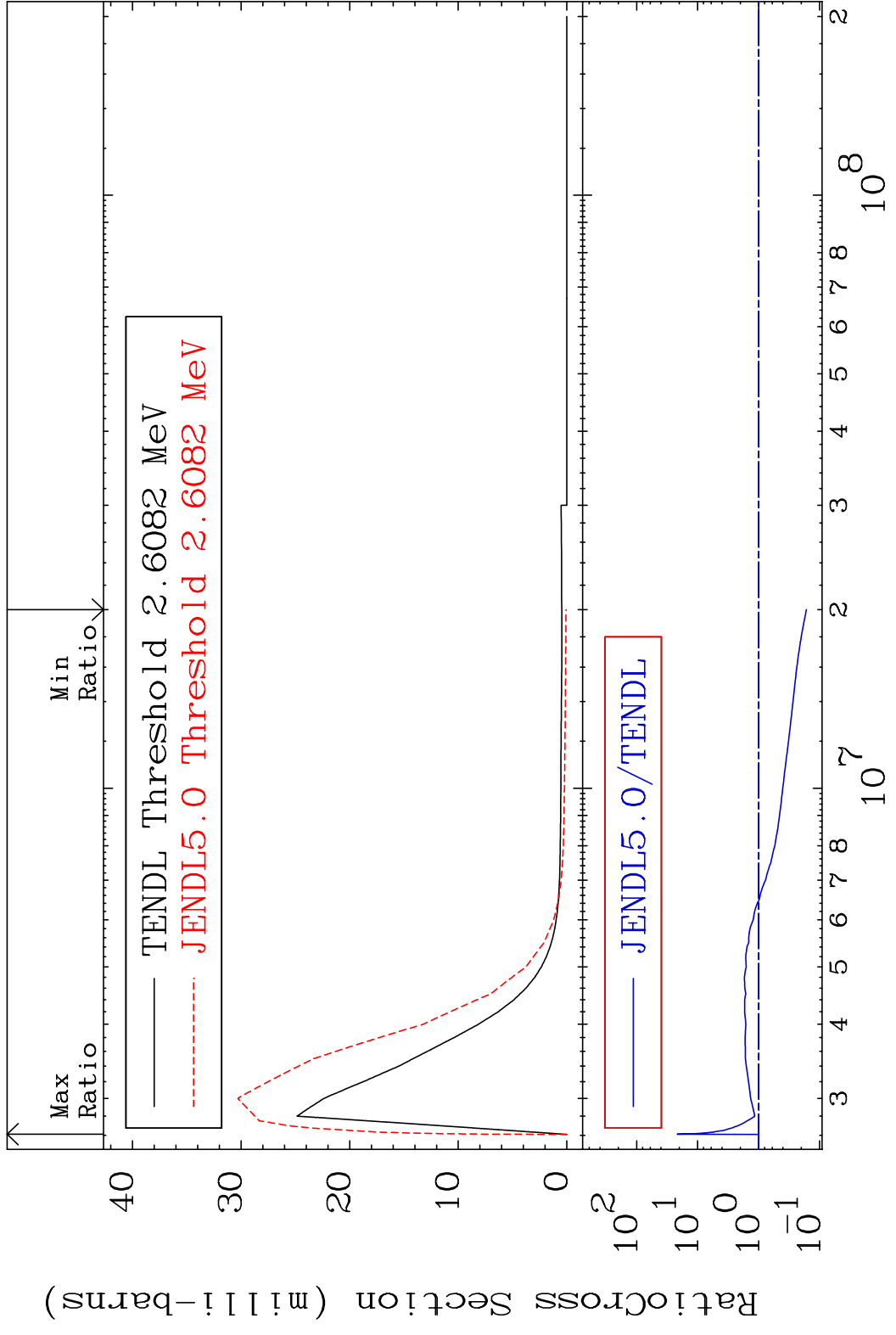
MAT 6031 MT= 76 (n, n') Level 60-Nd-144
 Cross Section -6.820 To 9999. %



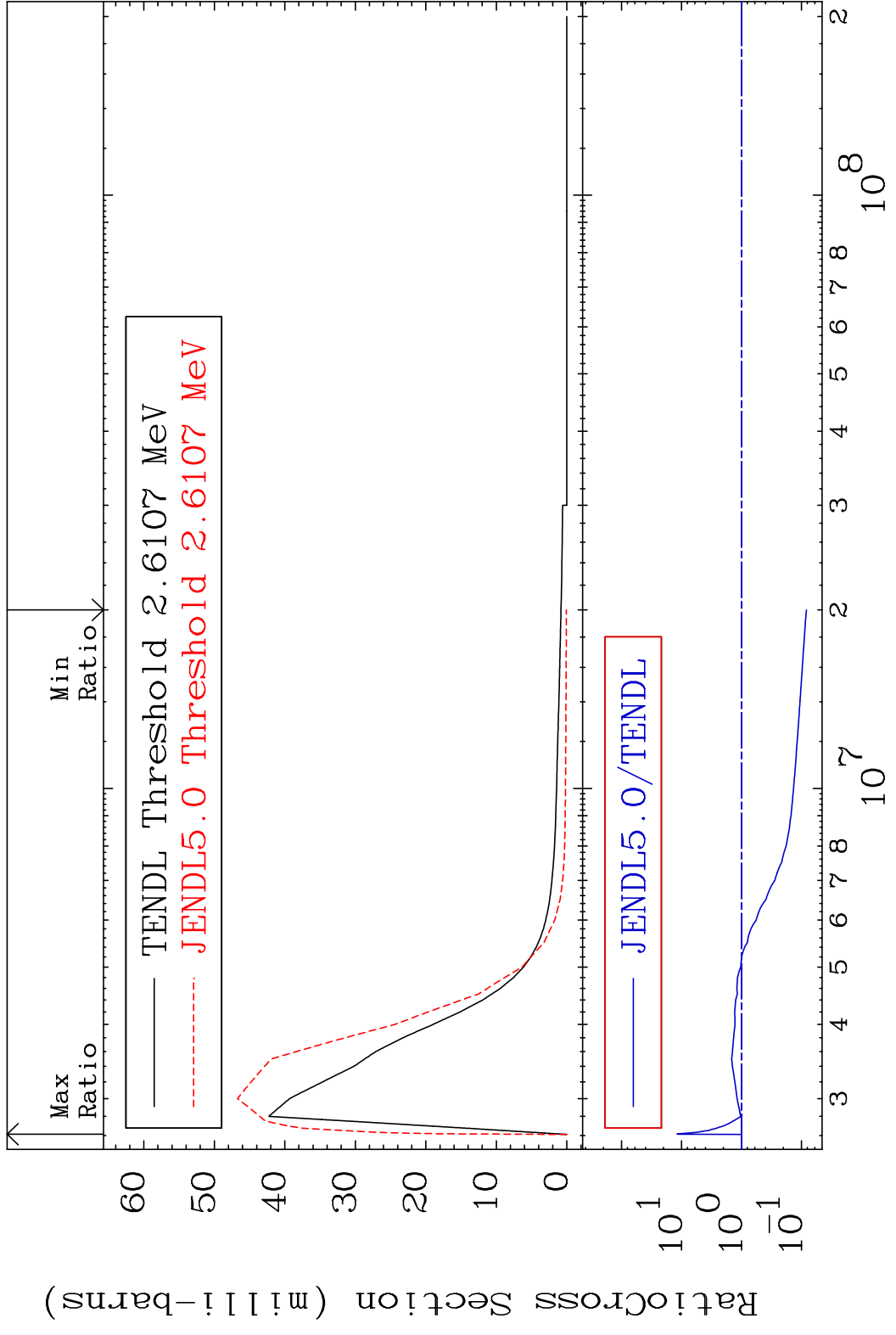
MAT 6031 MT= 77 (n, n') Level 60-Nd-144
 Cross Section 0.000 To 9999. %



MAT 6031 MT= 78 (n,n') Level 60-Nd-144
 Cross Section -83.51 To 2066. %



MAT 6031 MT= 79 (n,n') Level 60-Nd-144
 Cross Section -91.72 To 1083. %



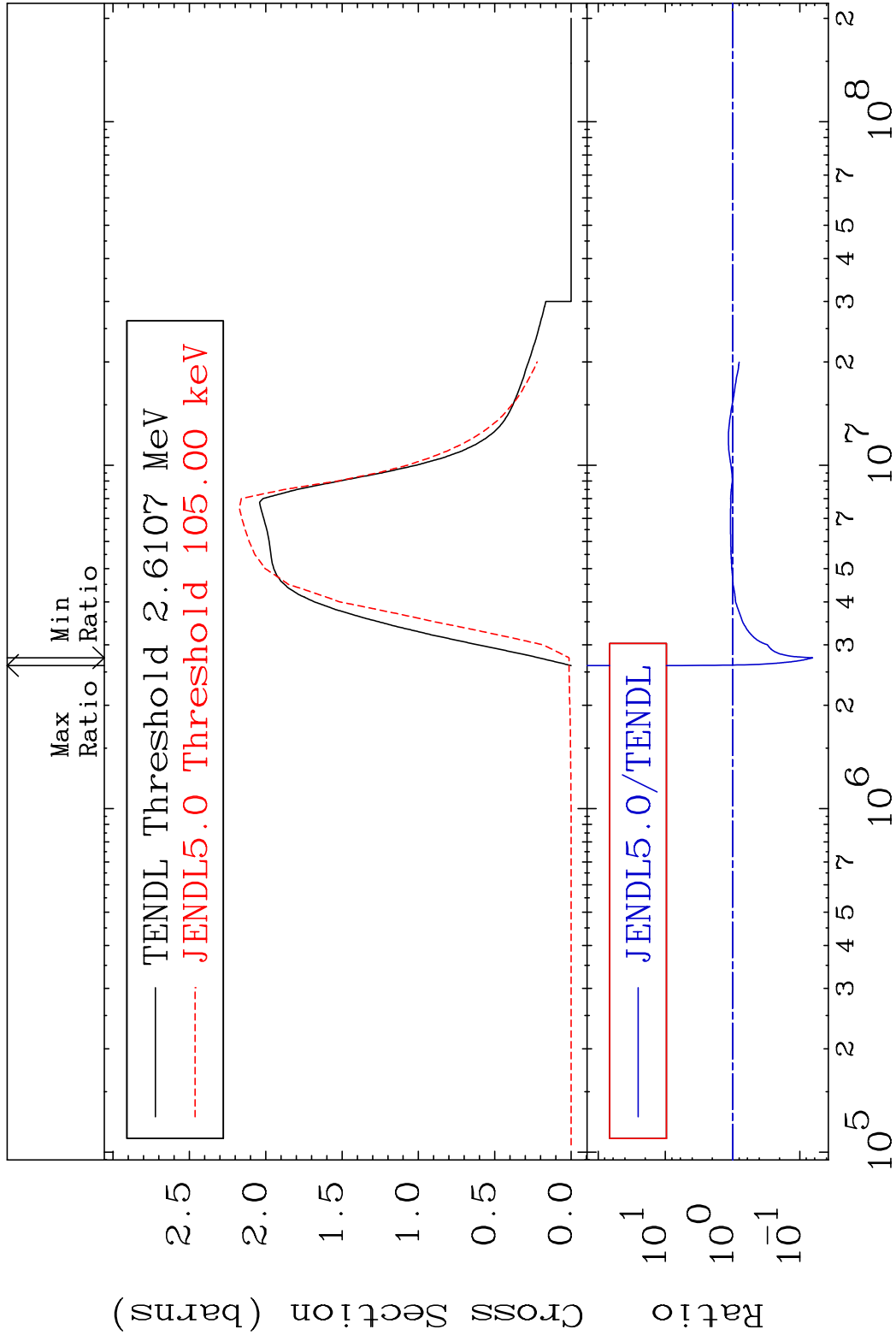
40 Incident Energy (eV) 60-Nd-144

MAT 6031

(n, n') Continuum

60-Nd-144

Cross Section -93.55 To 459.2 %



41

Incident Energy (eV)

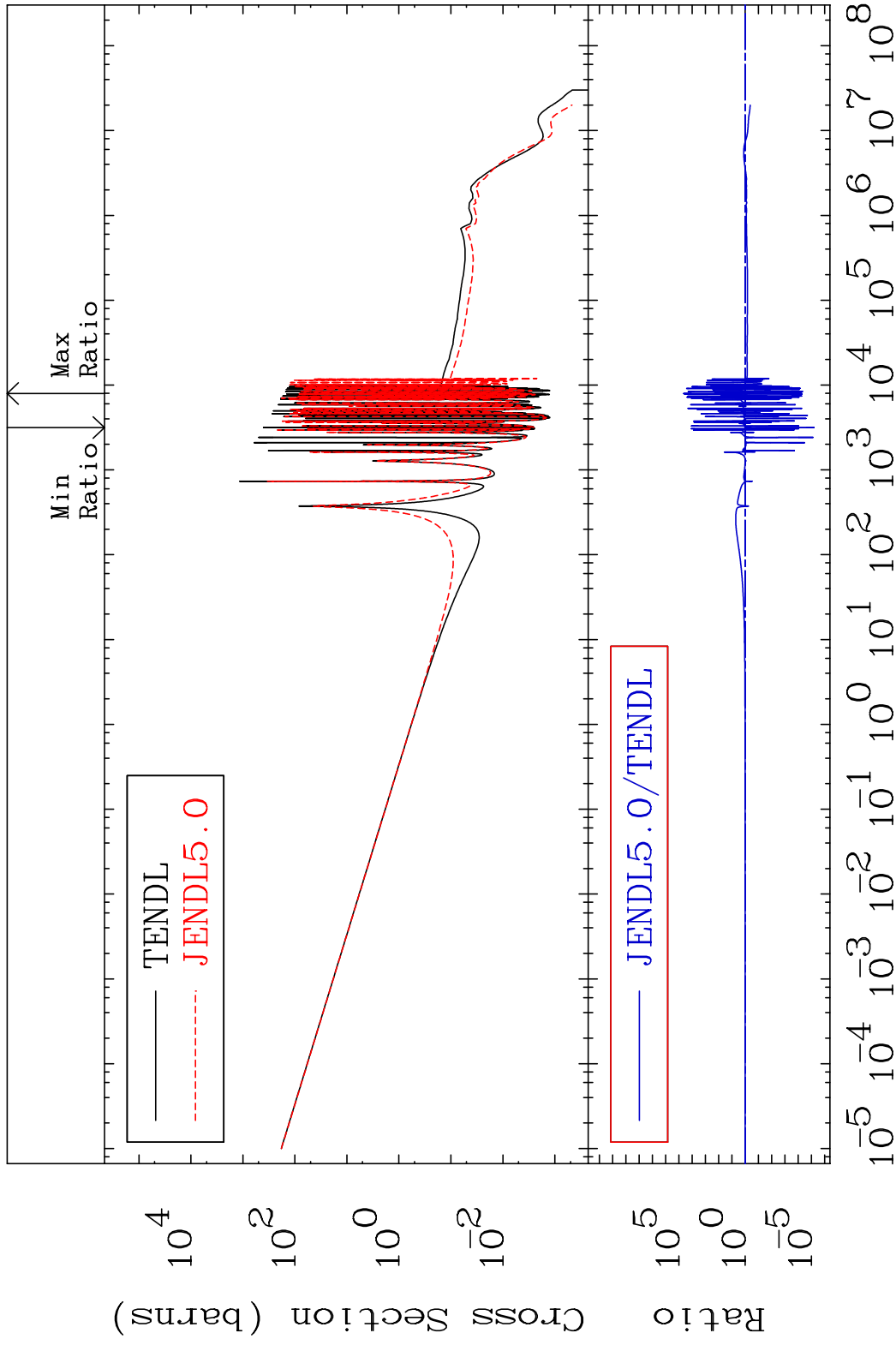
60-Nd-144

MAT 6031

(n, γ)

60-Nd-144

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

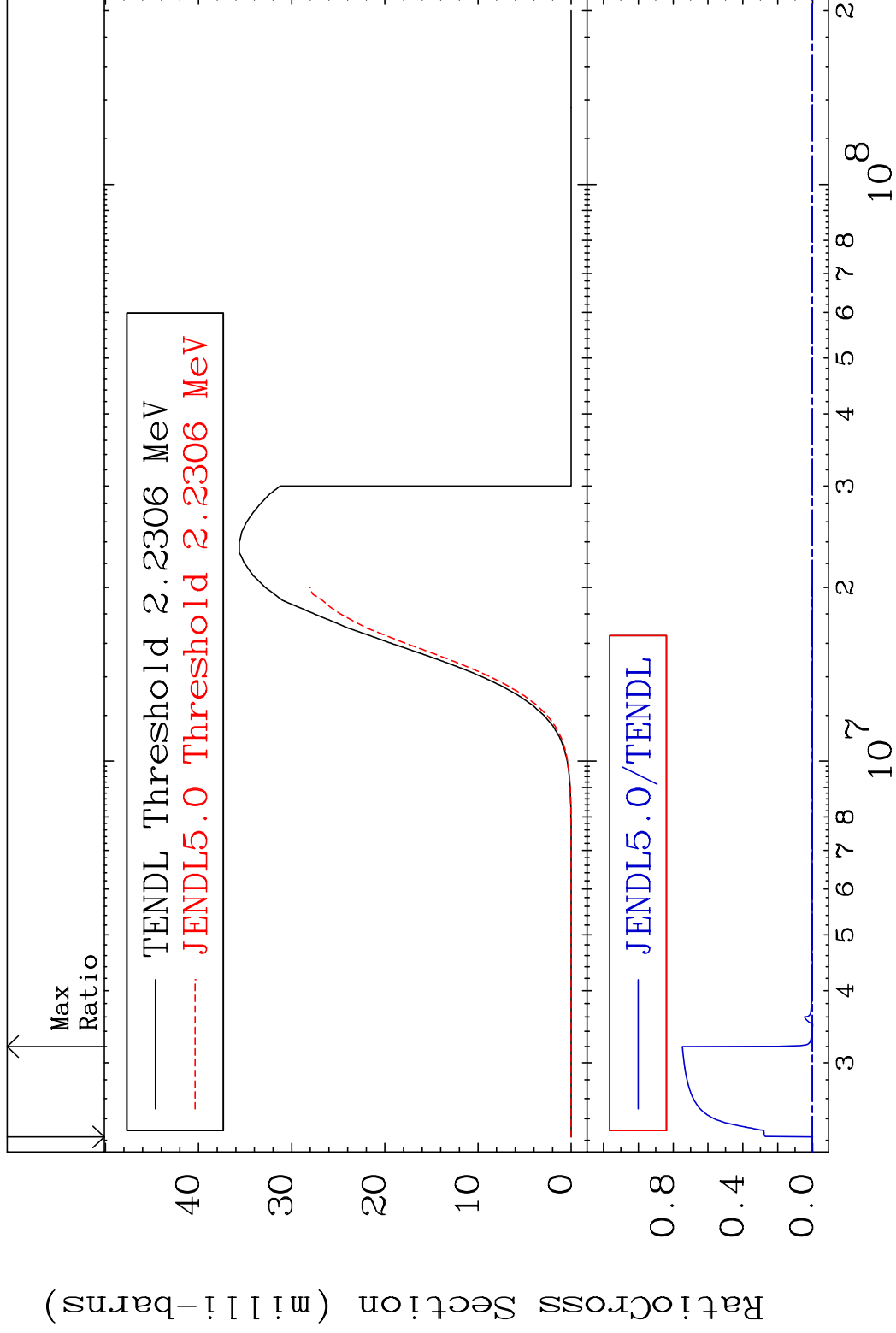
60-Nd-144

MAT 6031

(n,p)

60-Nd-144

Cross Section -100.0 To 9999. %

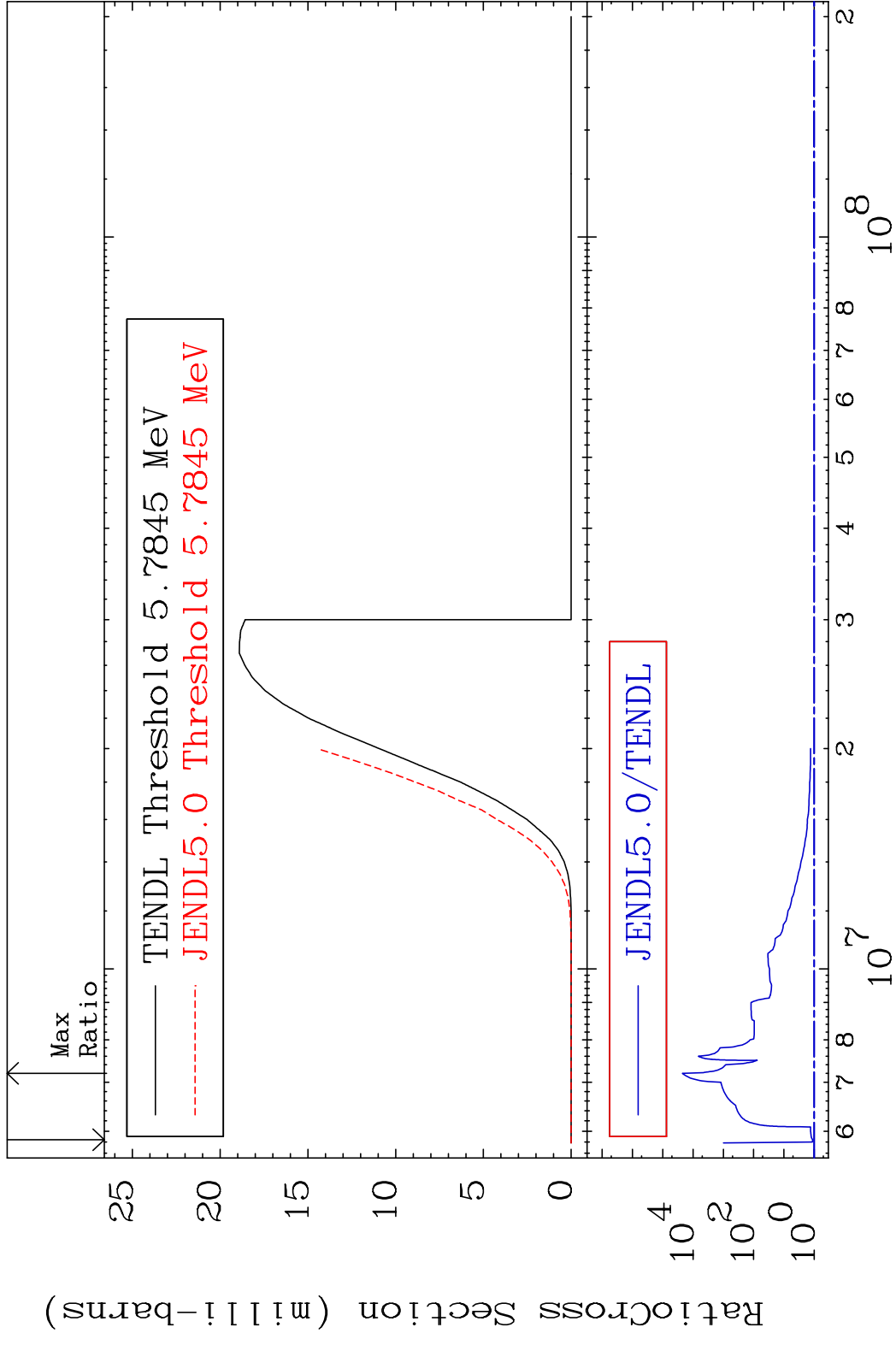


43

Incident Energy (eV)

60-Nd-144

MAT 6031 (n,d) 60-Nd-144
 Cross Section 13.72 To 9999. %

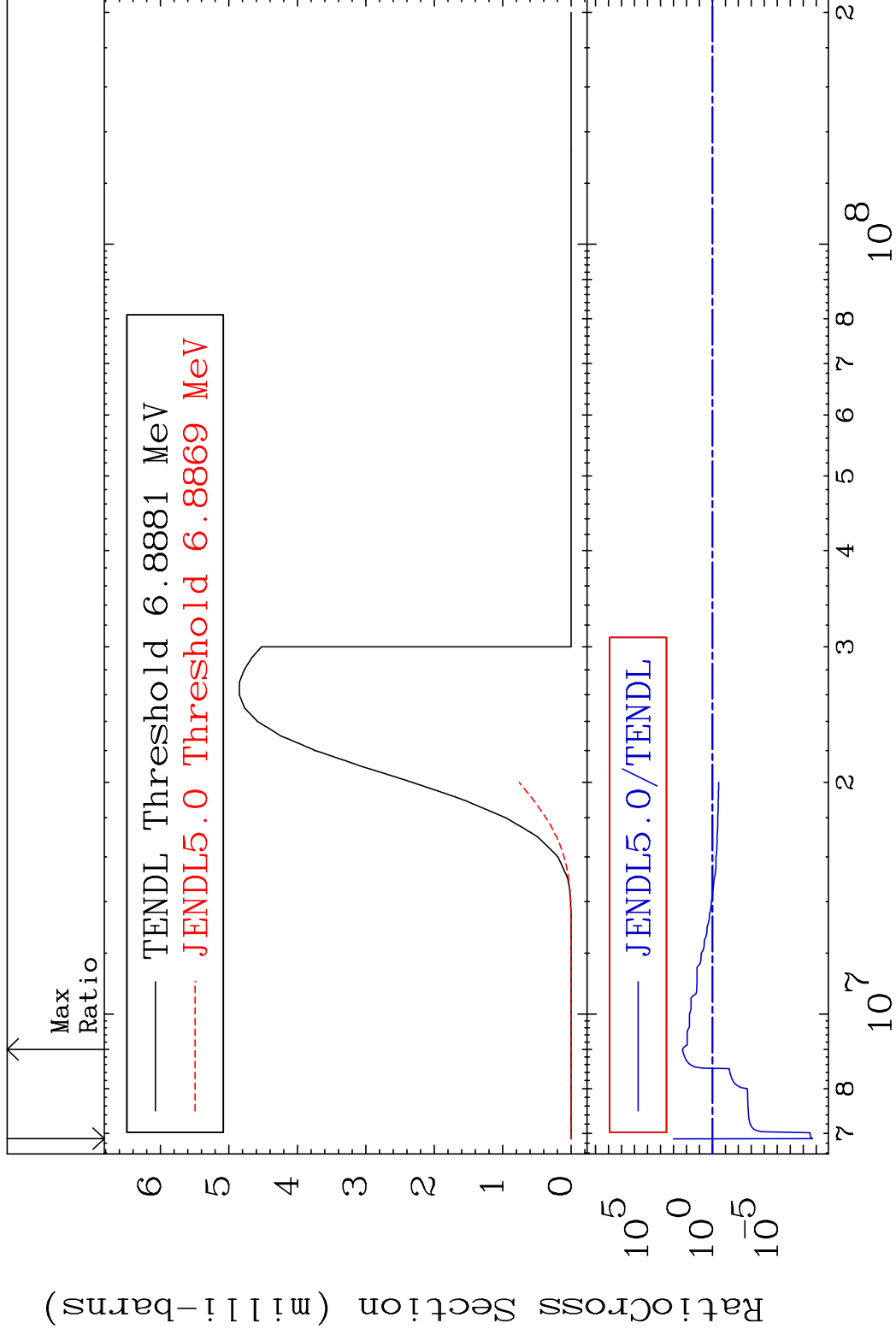


MAT 6031

(n, t)

60-Nd-144

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

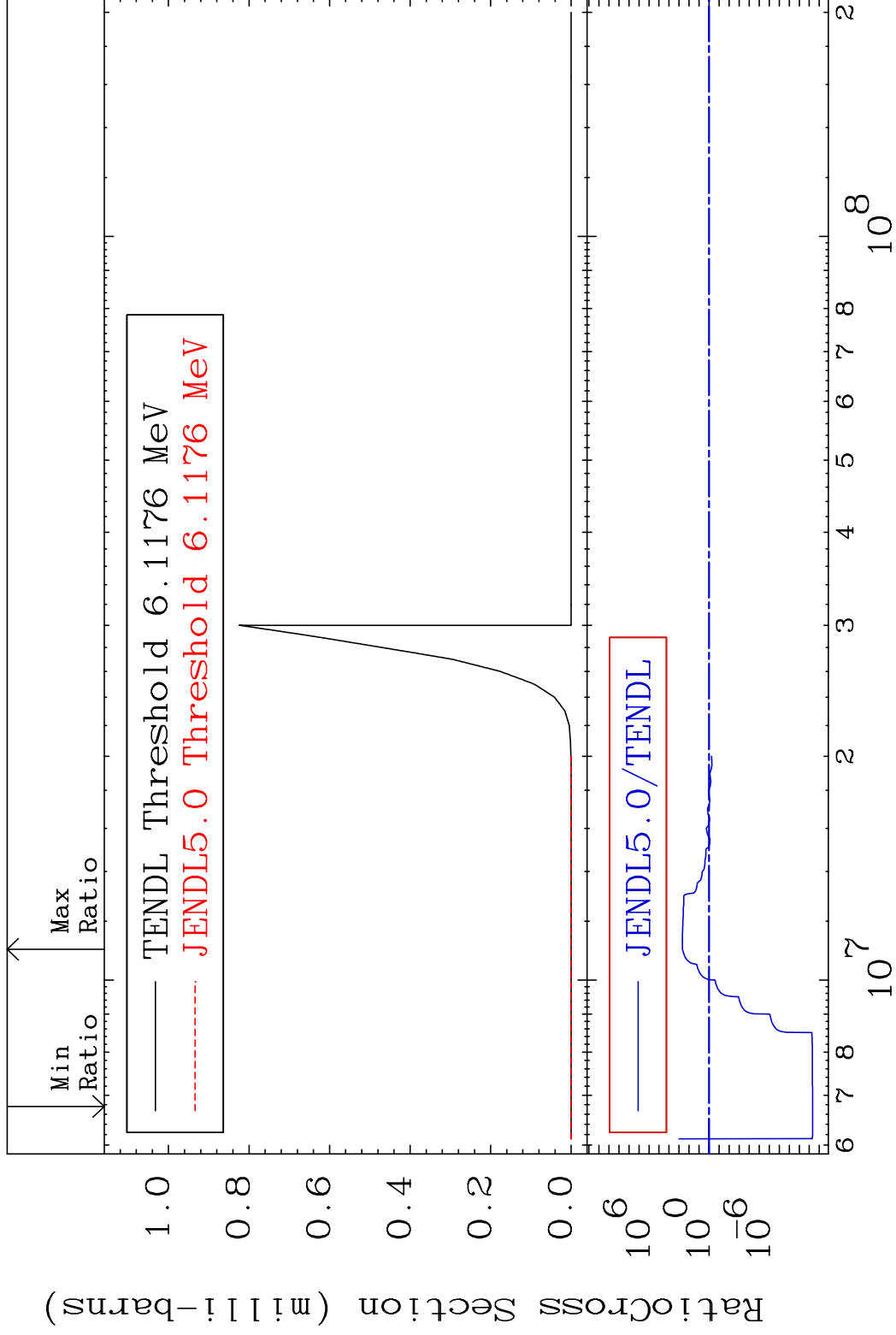
60-Nd-144

MAT 6031

(n, He-3)

60-Nd-144

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

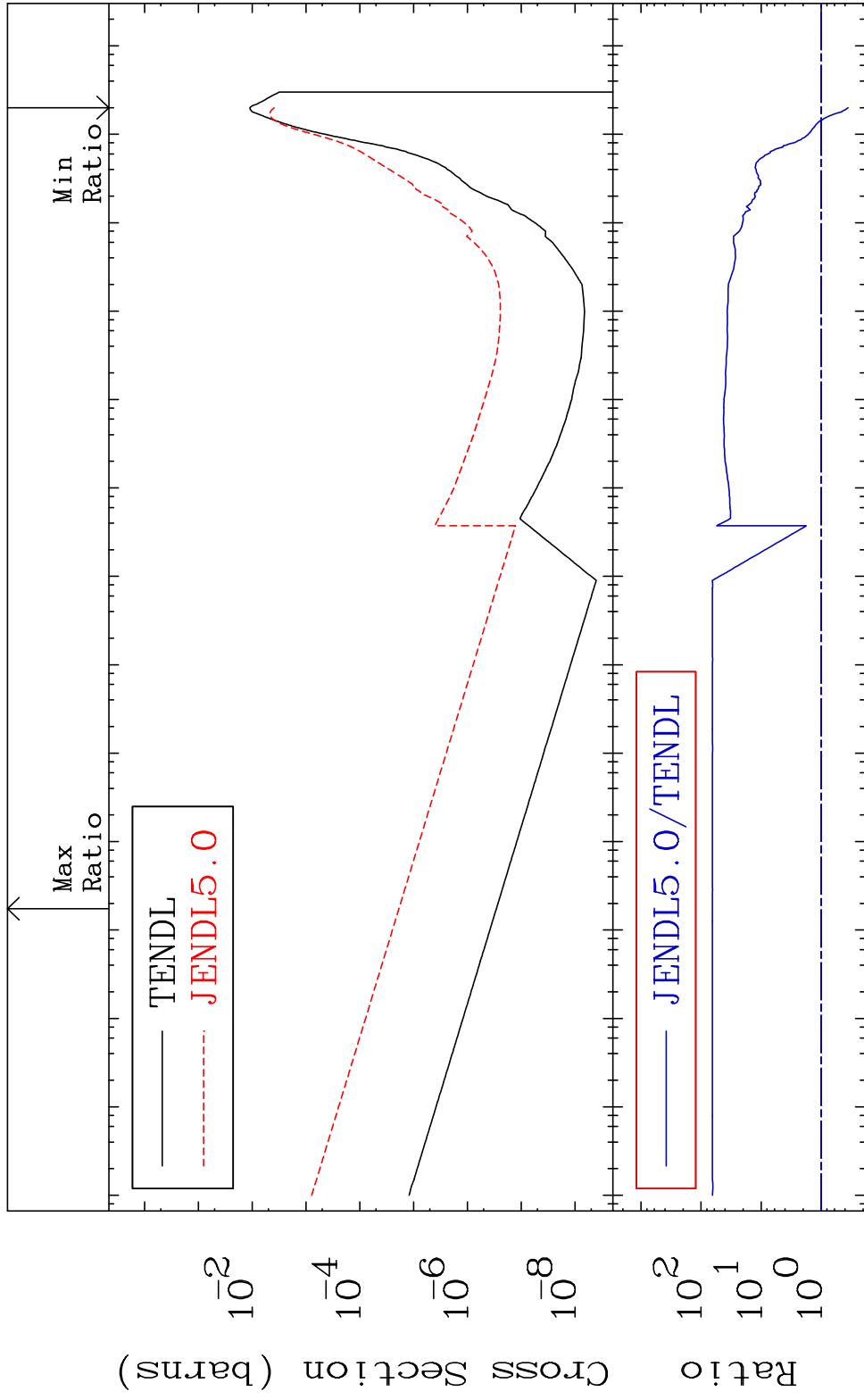
60-Nd-144

MAT 6031

(n, α)

60-Nd-144

Cross Section -64.69 To 6387. %



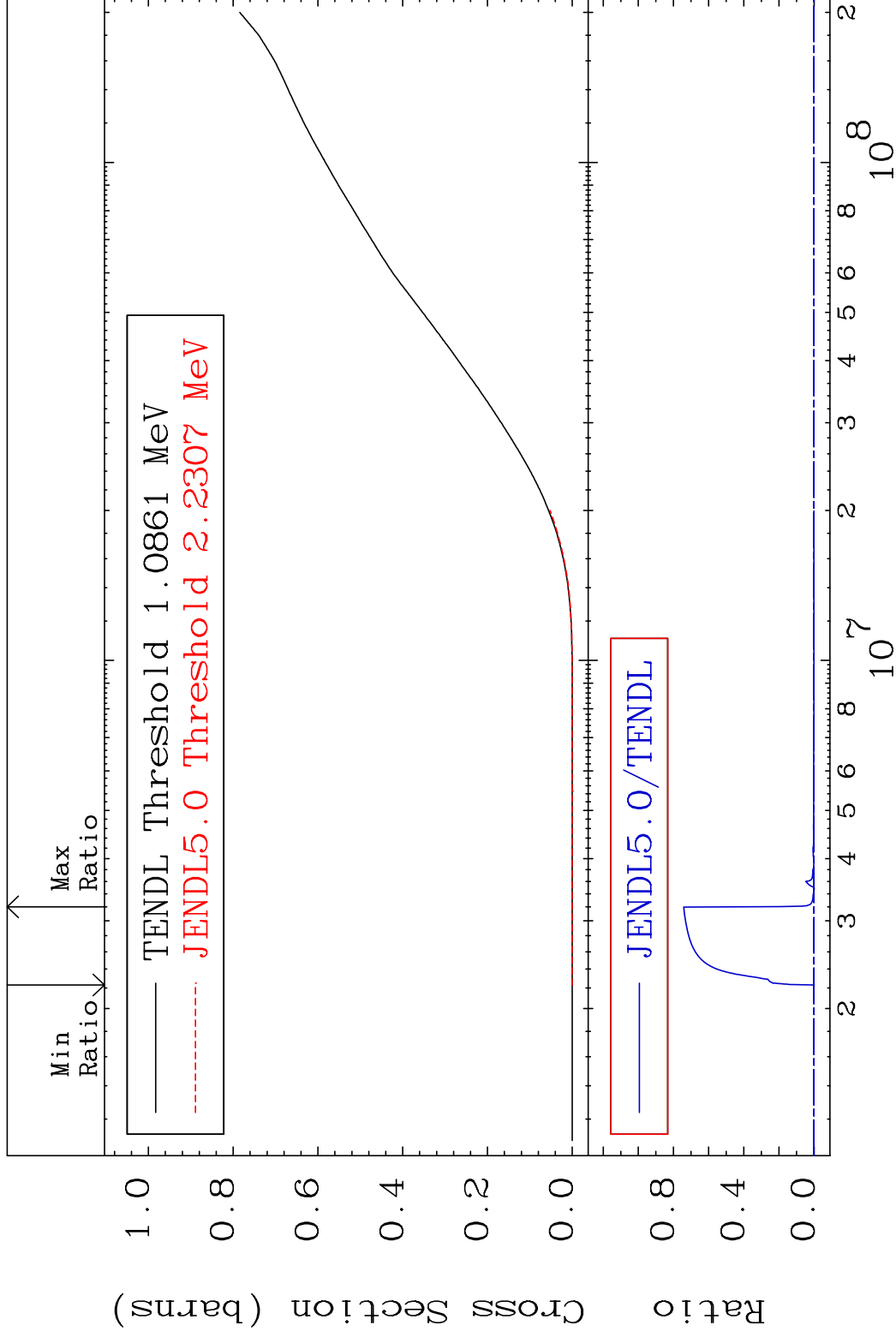
47

Incident Energy (eV)

60-Nd-144

MAT 6031

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

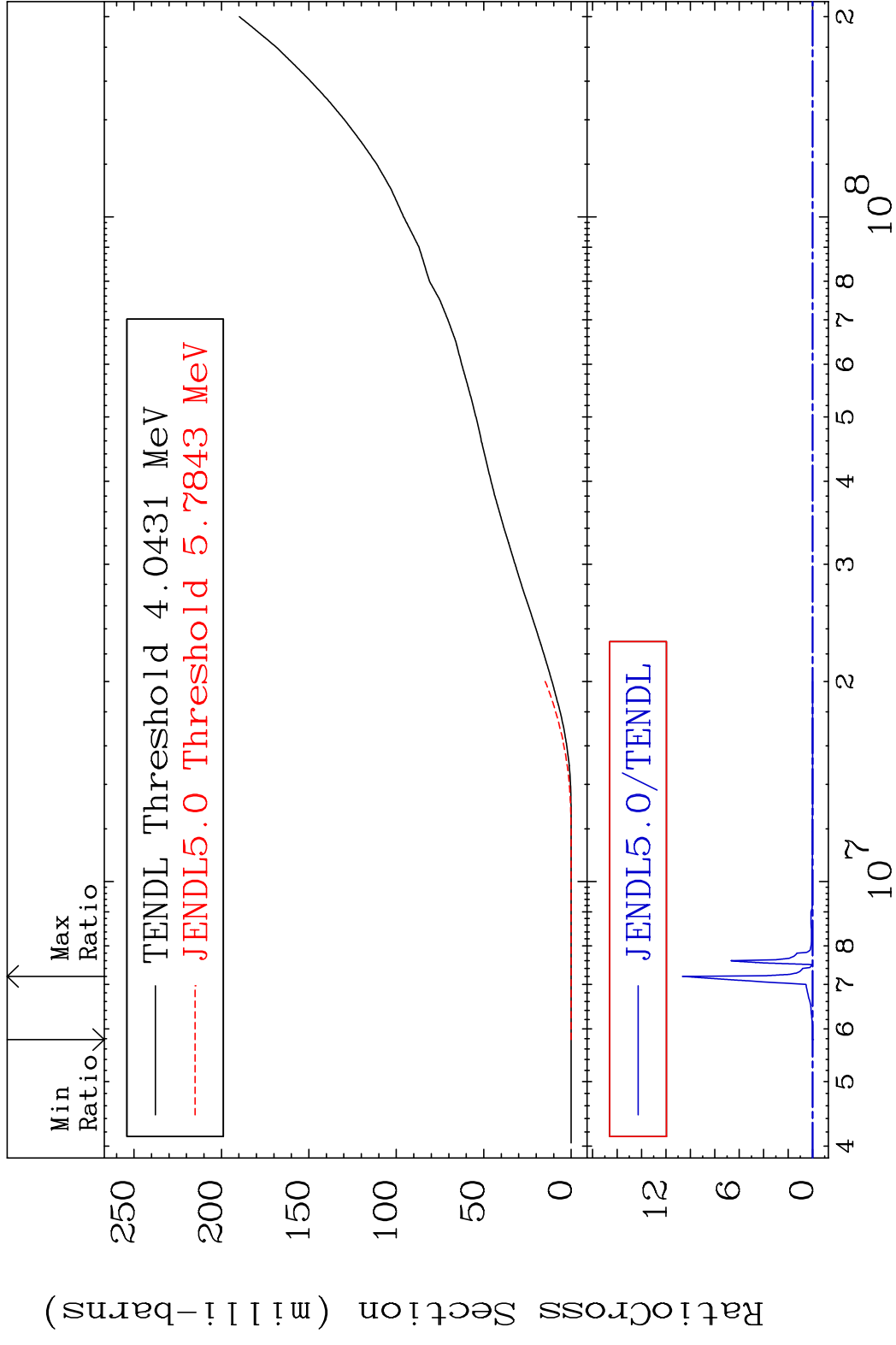


48

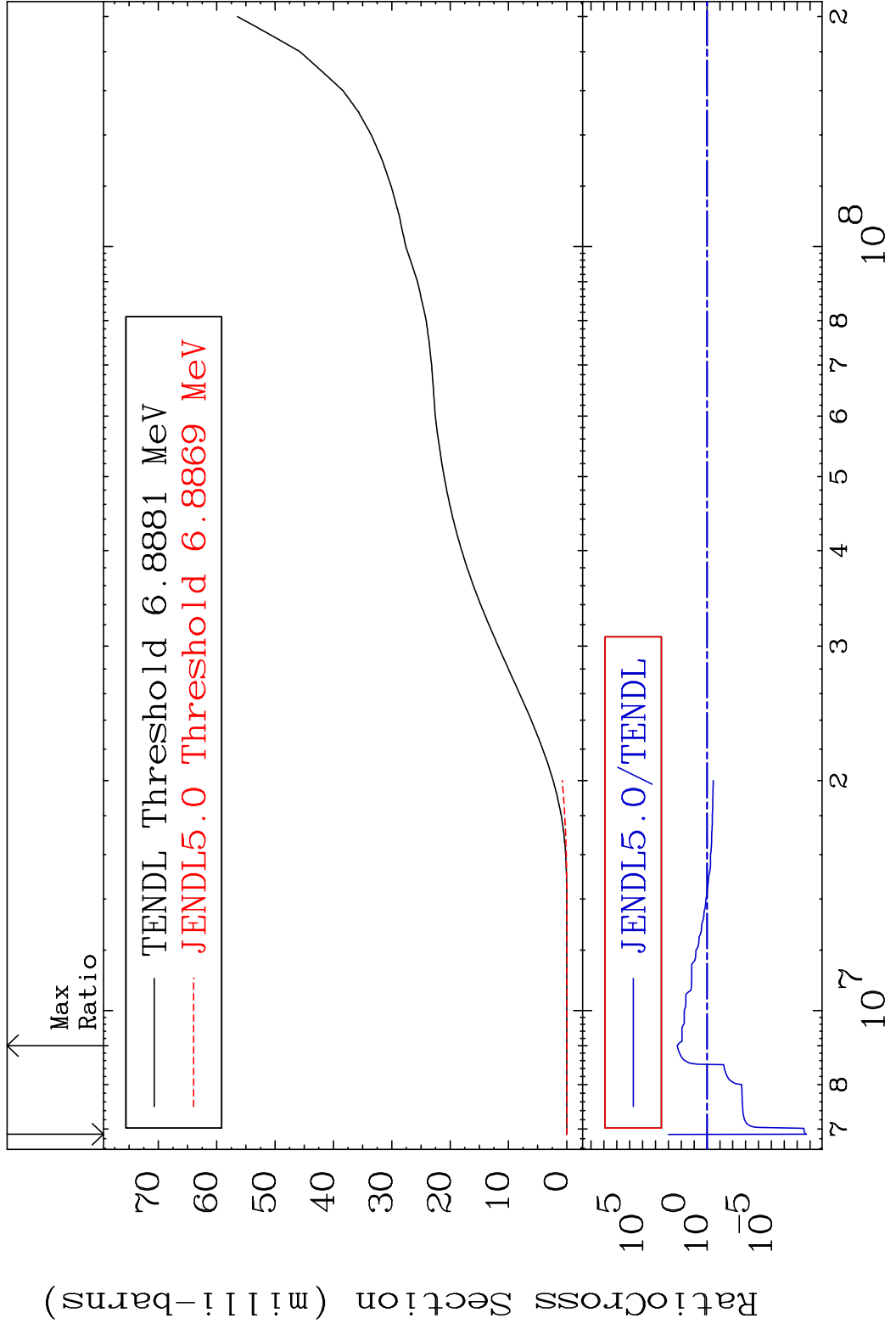
Incident Energy (eV)

60-Nd-144

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

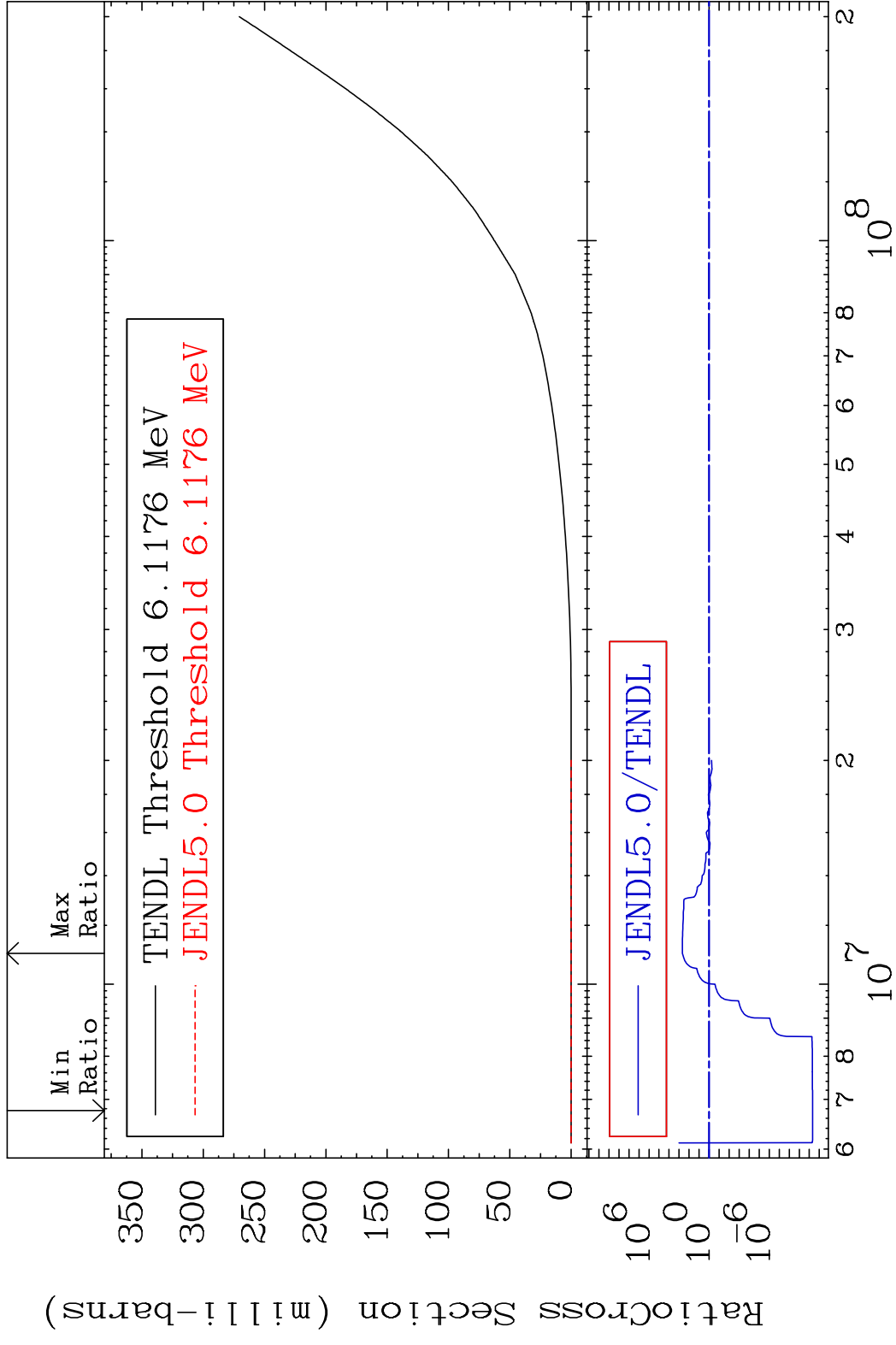


MAT 6031 Tritium Production 60-Nd-144
 Cross Section -100.0 To 9999. %



50 Incident Energy (eV) 60-Nd-144

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

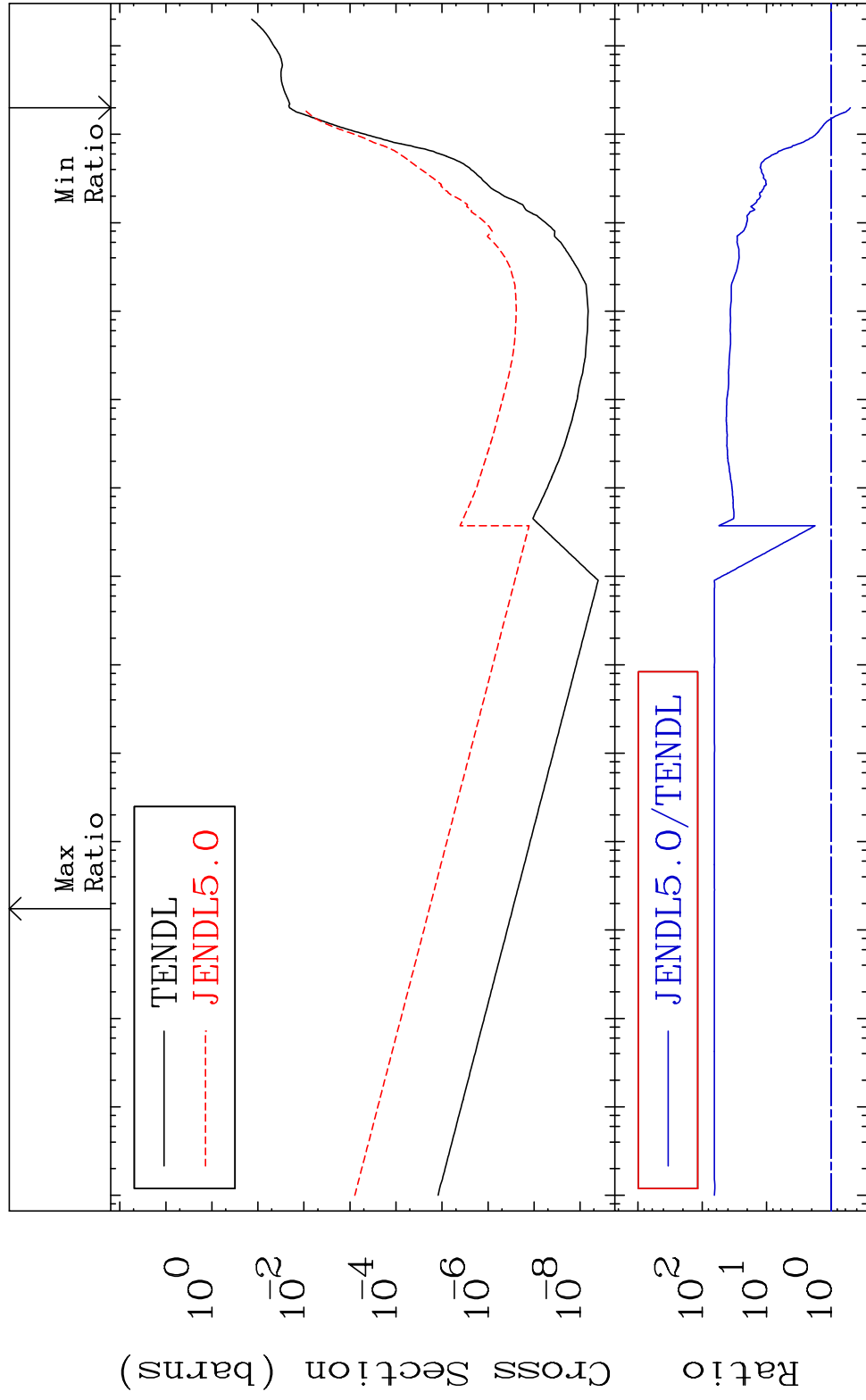


MAT 6031

He-4 Production

60-Nd-144

Cross Section -49.74 To 6387. %

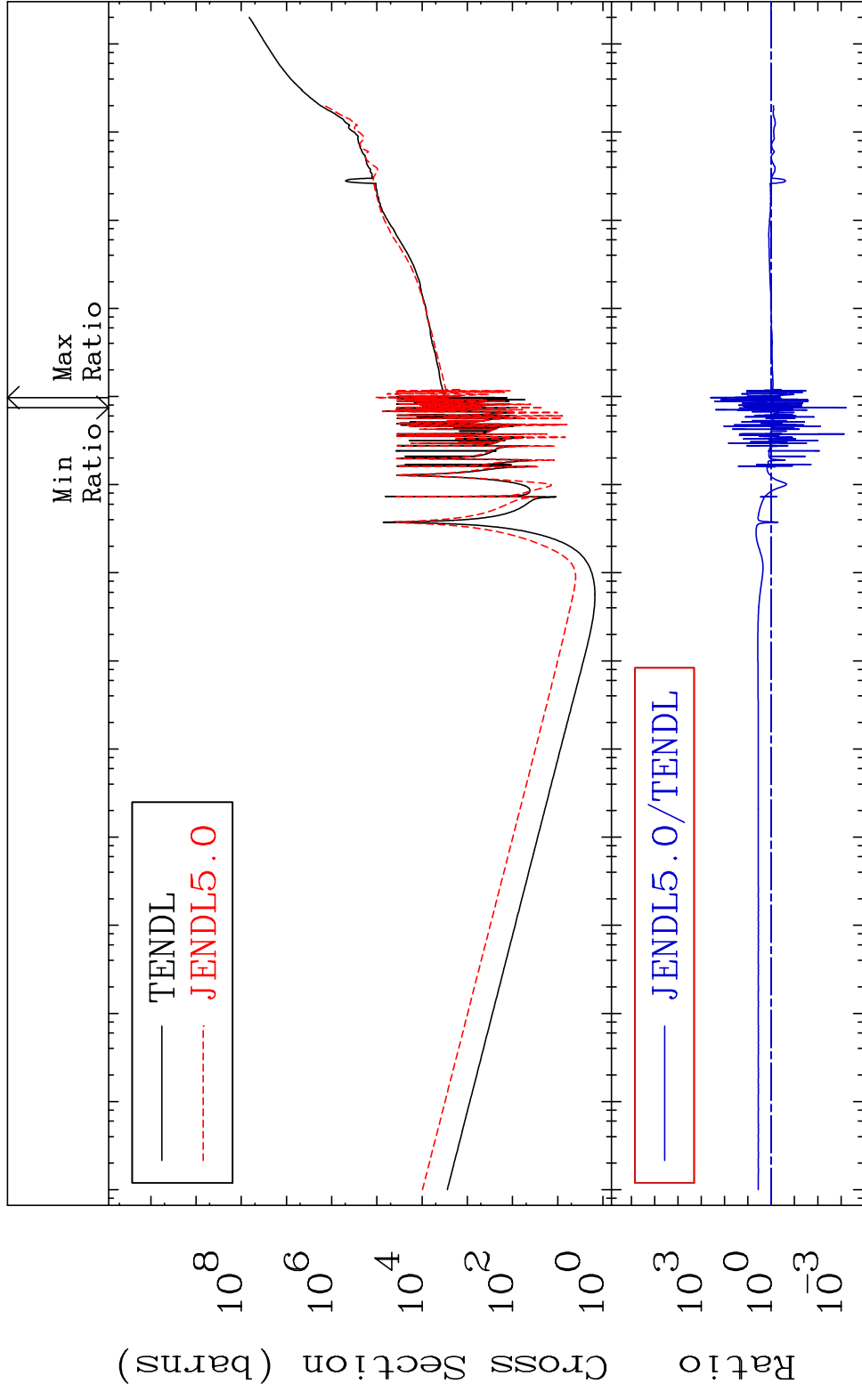


52

Incident Energy (eV)

60-Nd-144

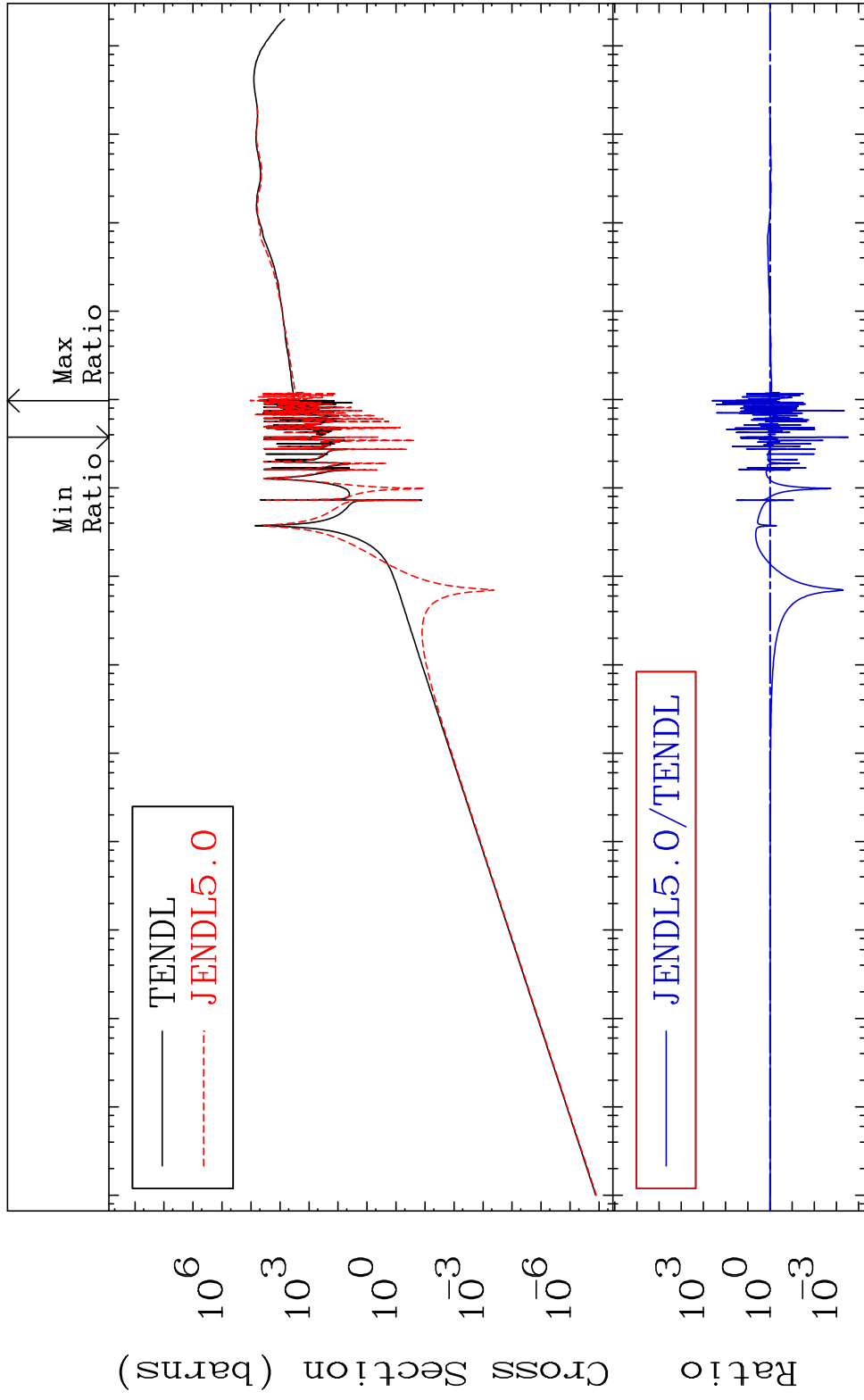
MAT 6031 Kerma total (eV-barns) 60-Nd-144
 Cross Section -99.94 To 9999. %



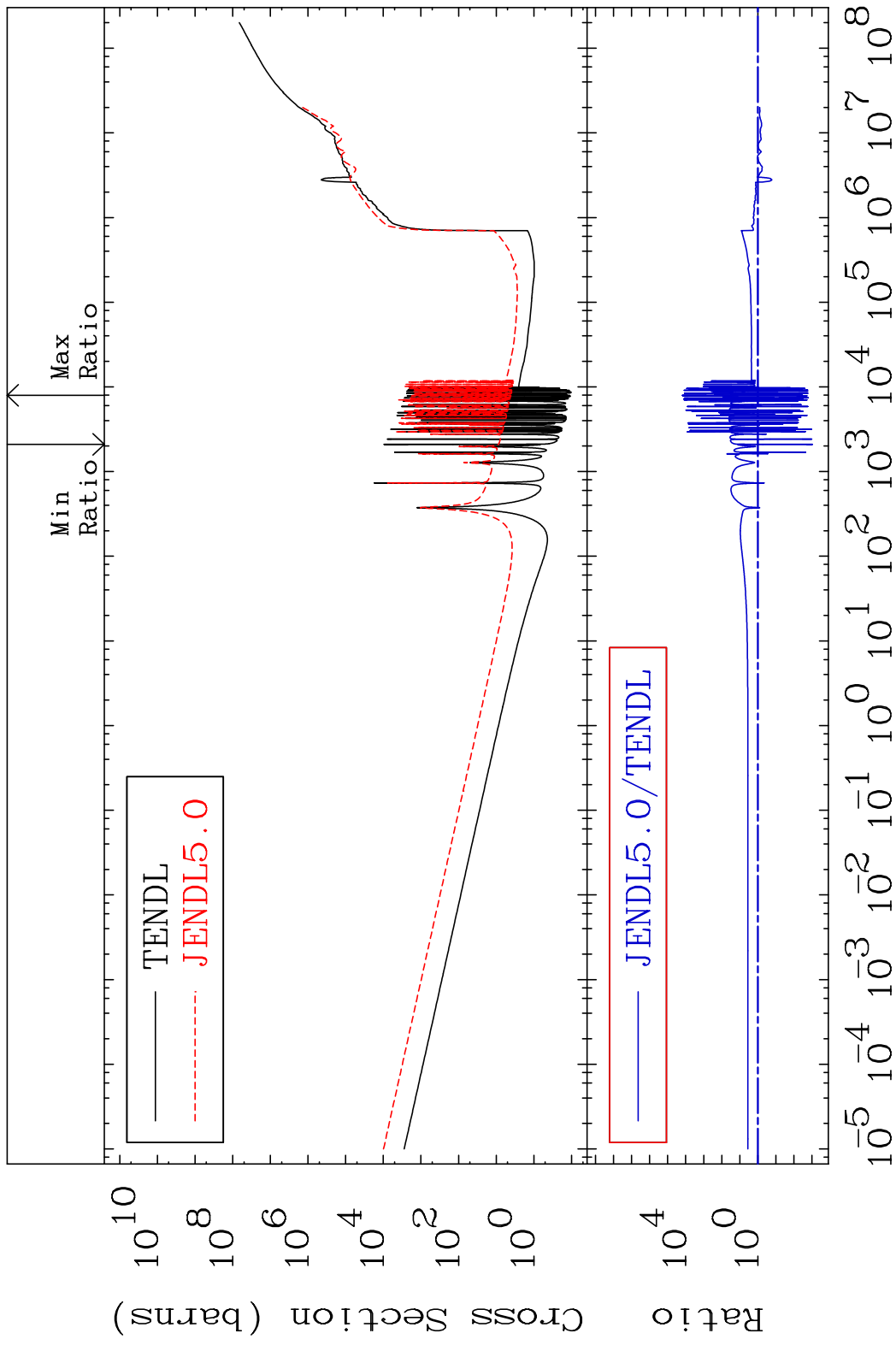
MAT 6031

Kerma elastic
Cross Section

60-Nd-144
-99.97 To 9999. %



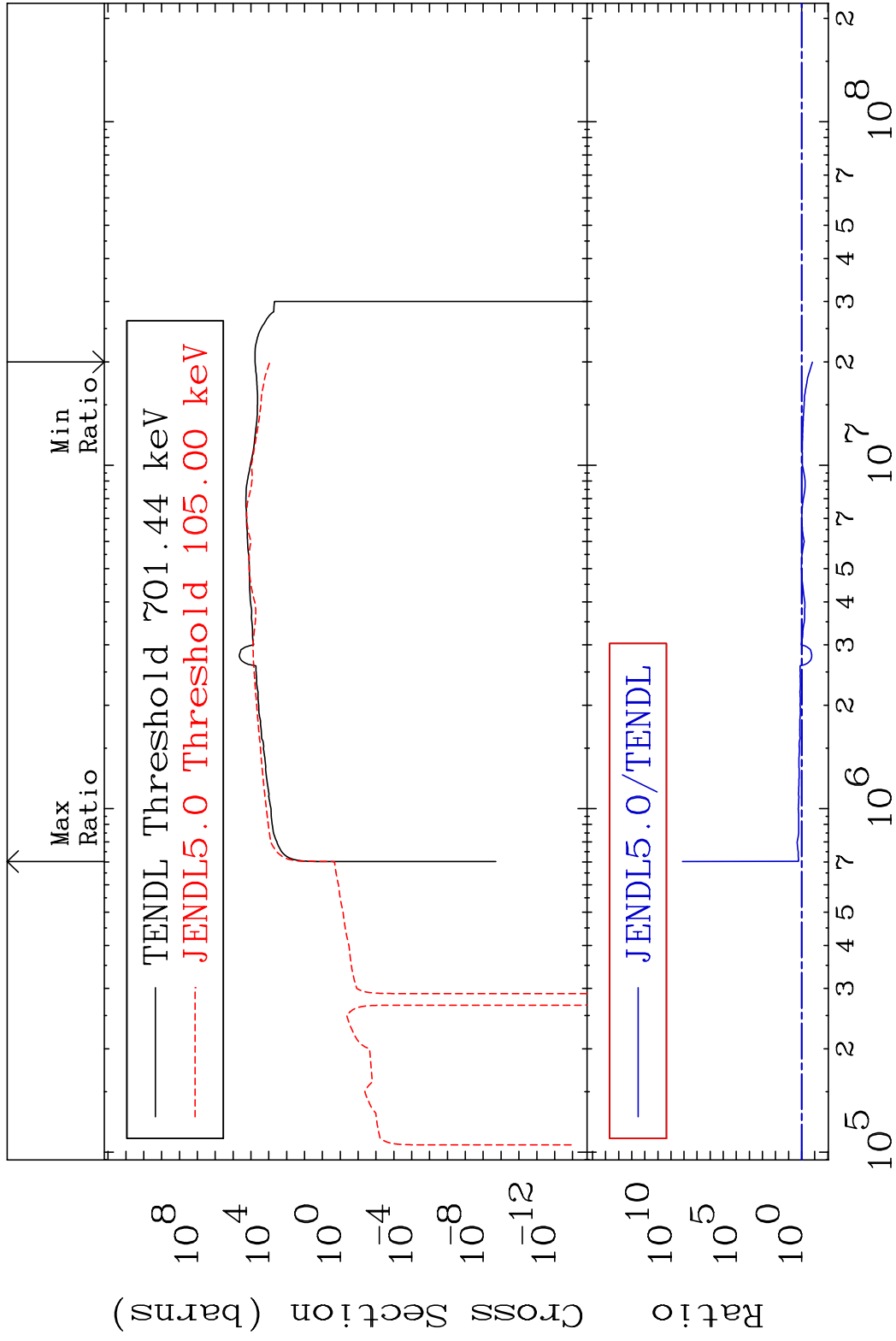
MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144
 Cross Section -99.91 To 9999. %



MAT 6031

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

Cross Section -85.38 To 9999. %

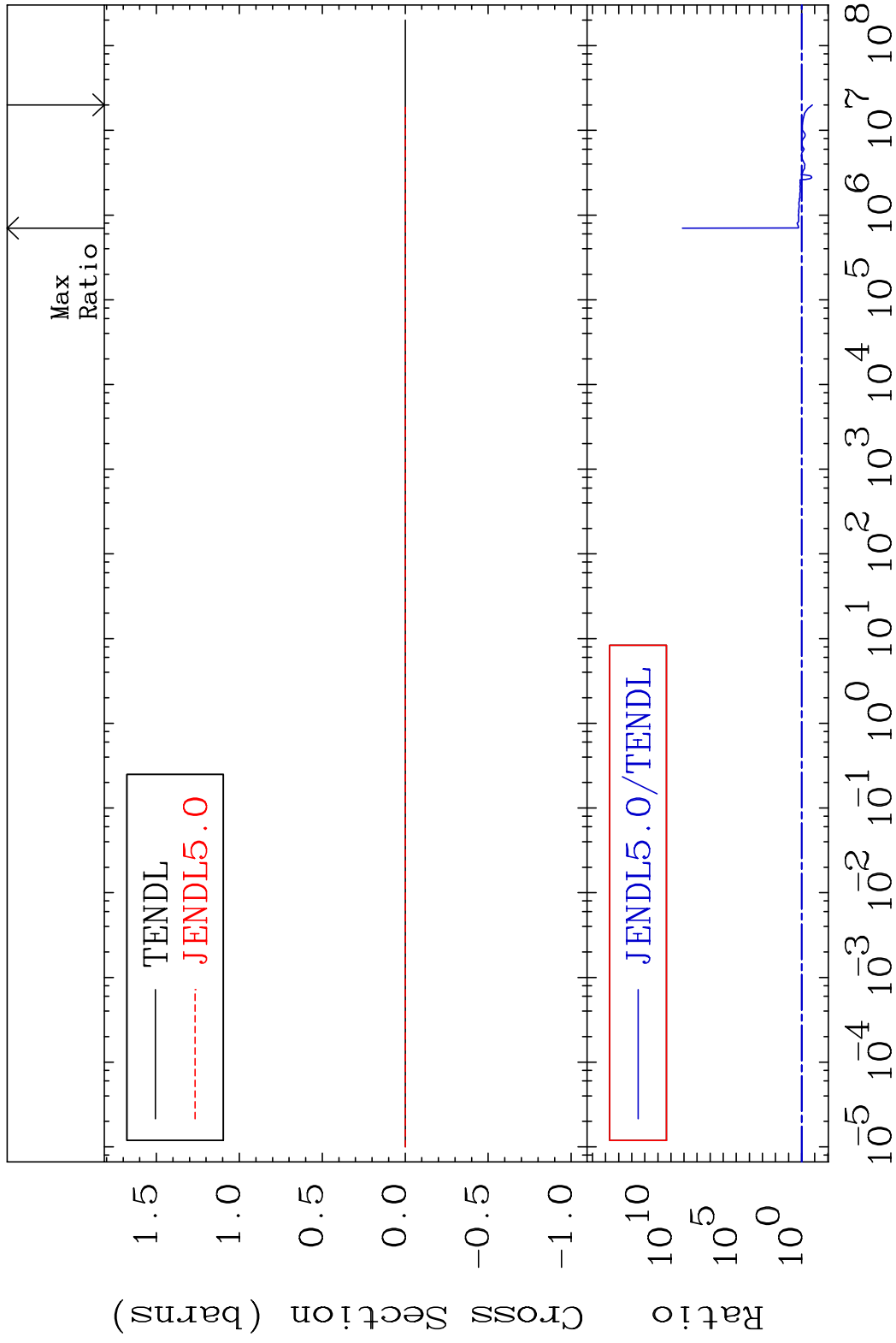


56

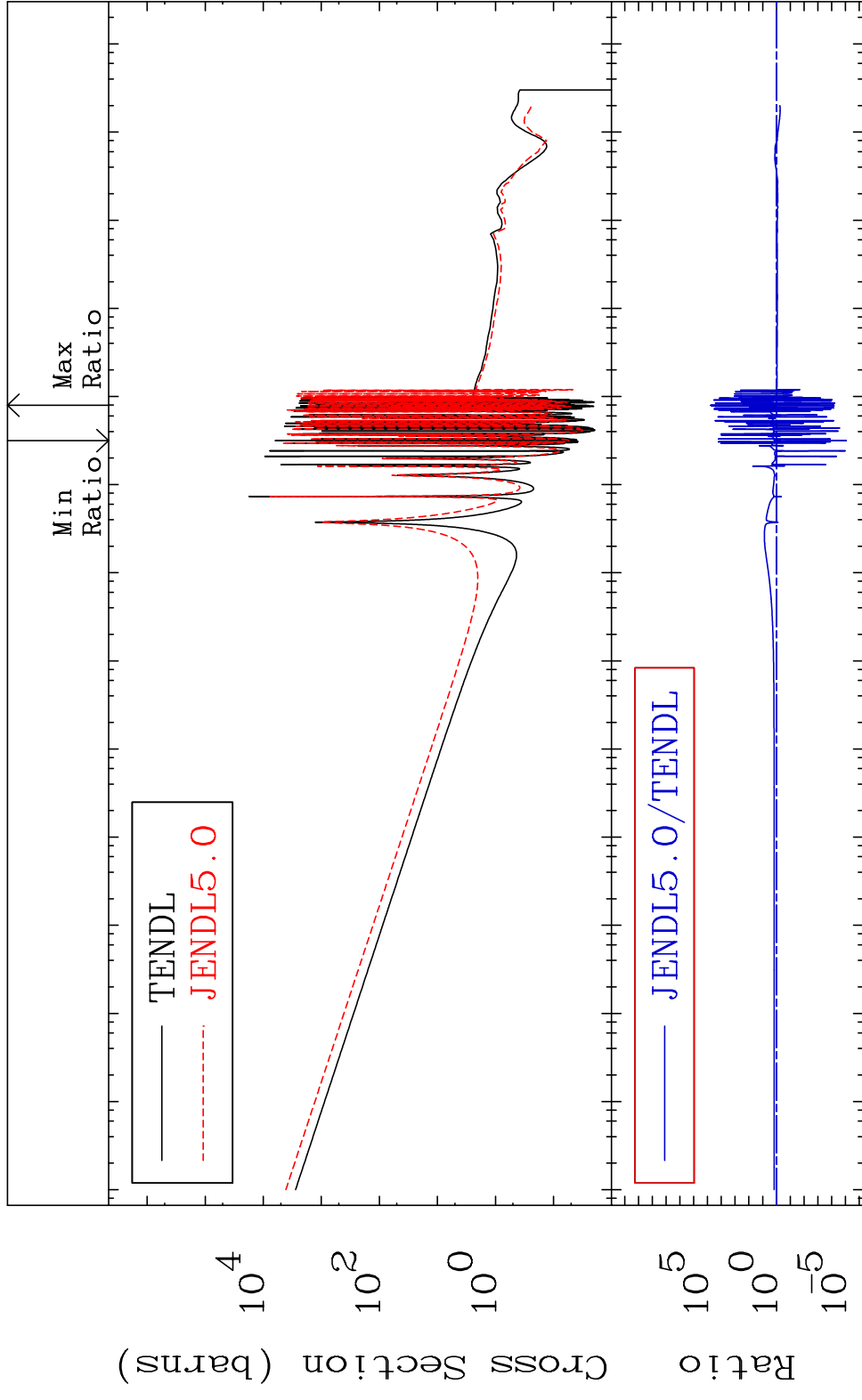
Incident Energy (eV)

60-Nd-144

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

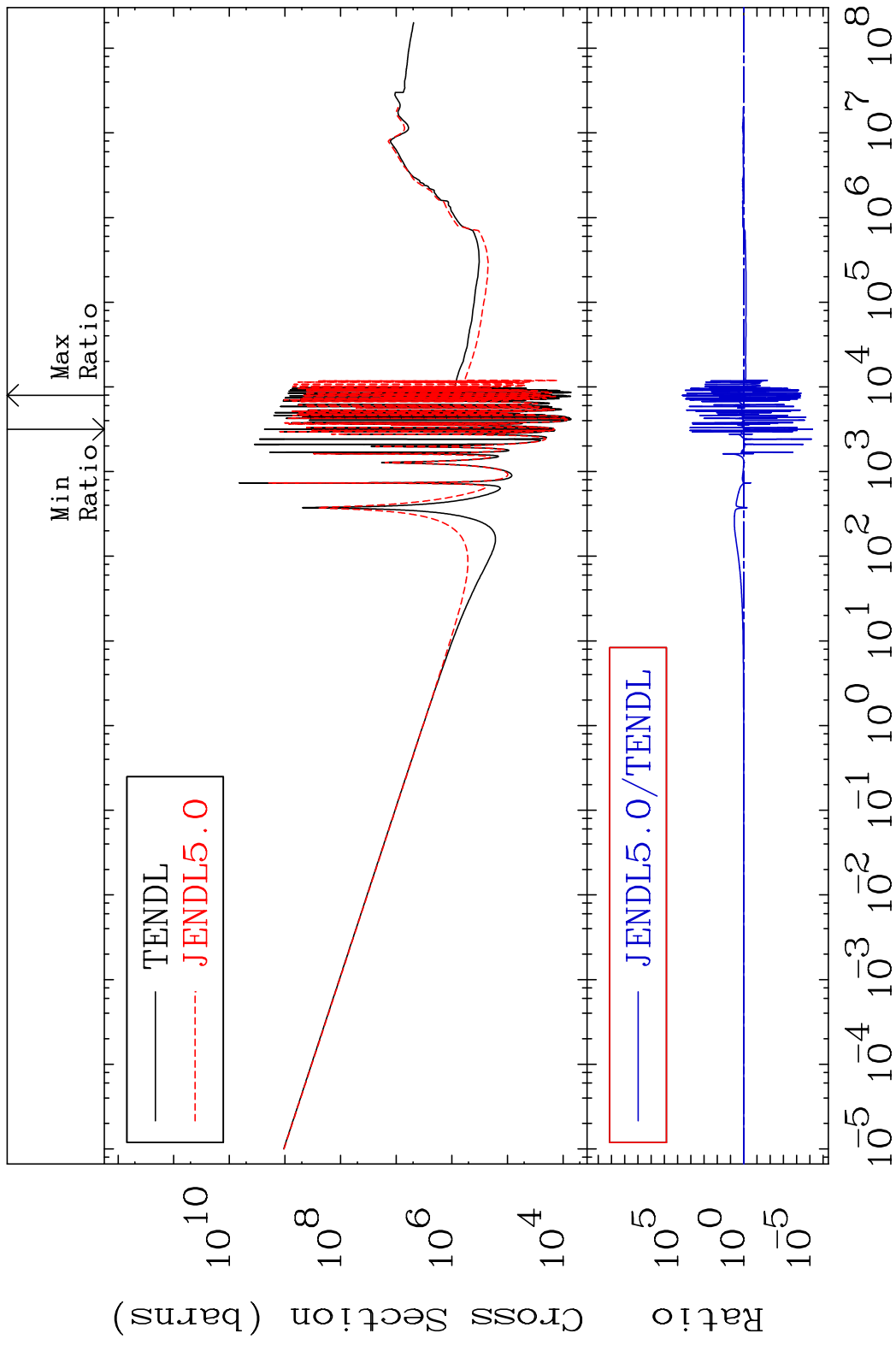


MAT 6031 Kerma capture (mt102) 60-Nd-144
 Cross Section -100.0 To 9999. %



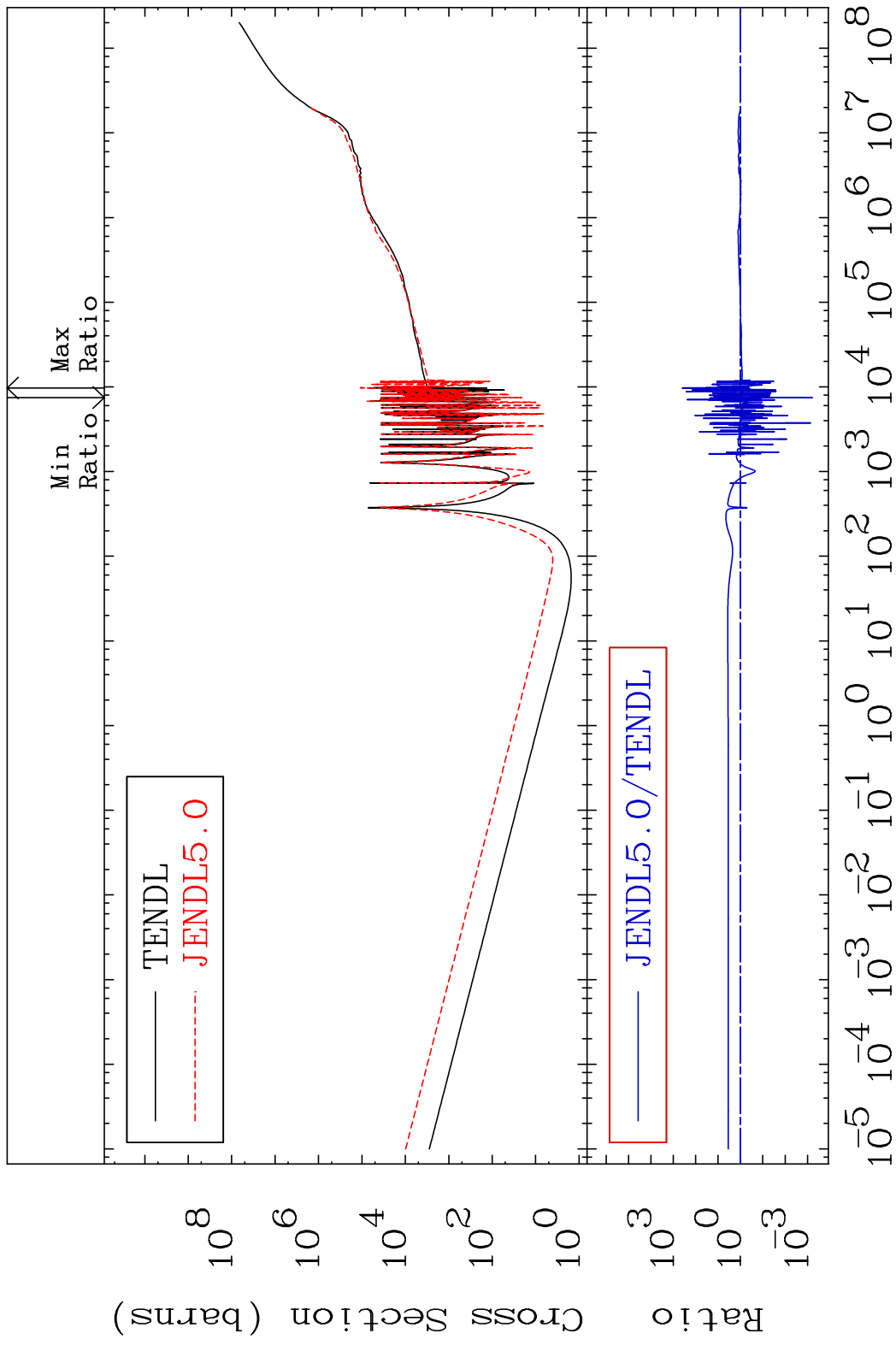
58 Incident Energy (eV) 60-Nd-144

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



59 Incident Energy (eV) 60-Nd-144

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

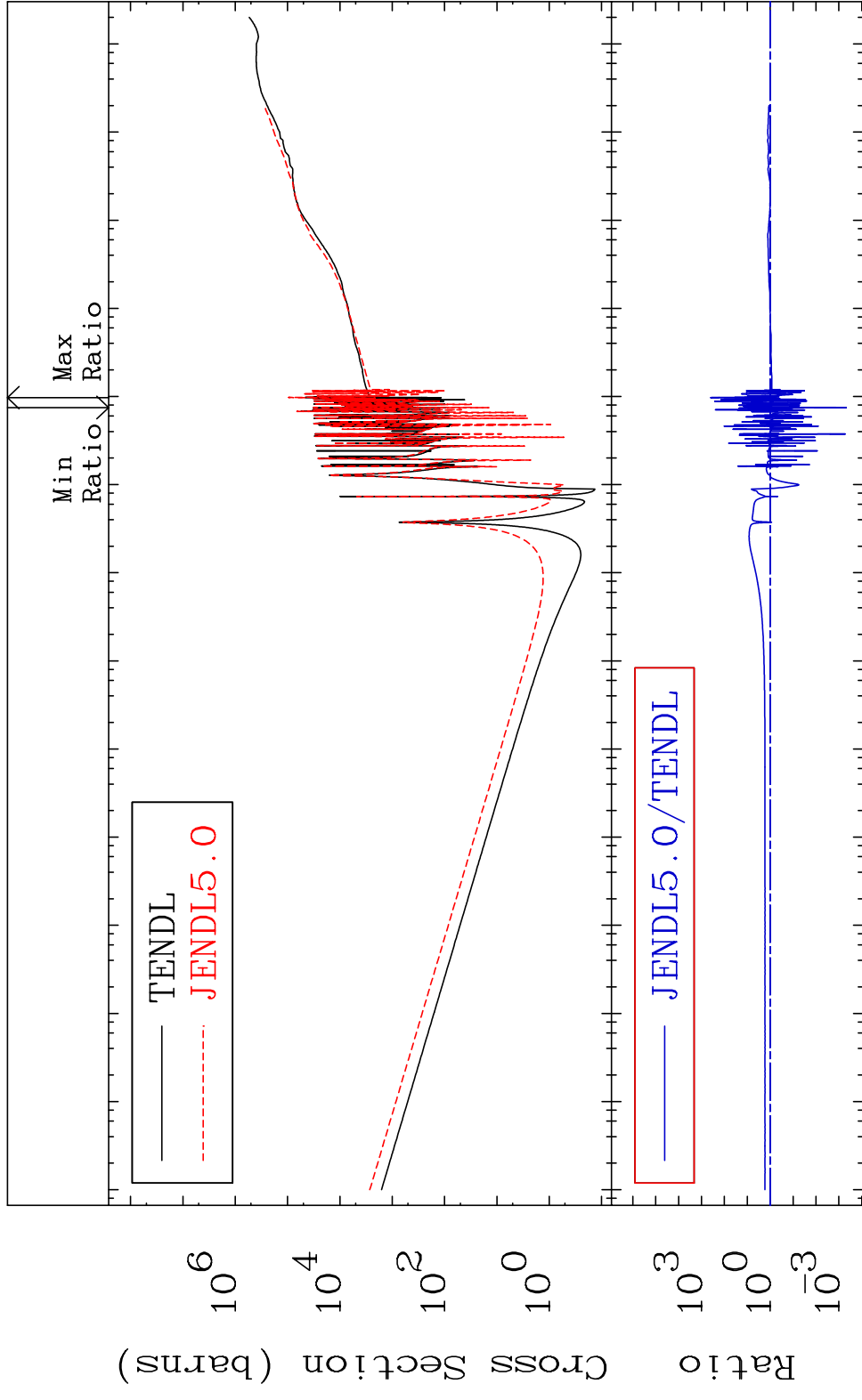


60

Incident Energy (eV)

60-Nd-144

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



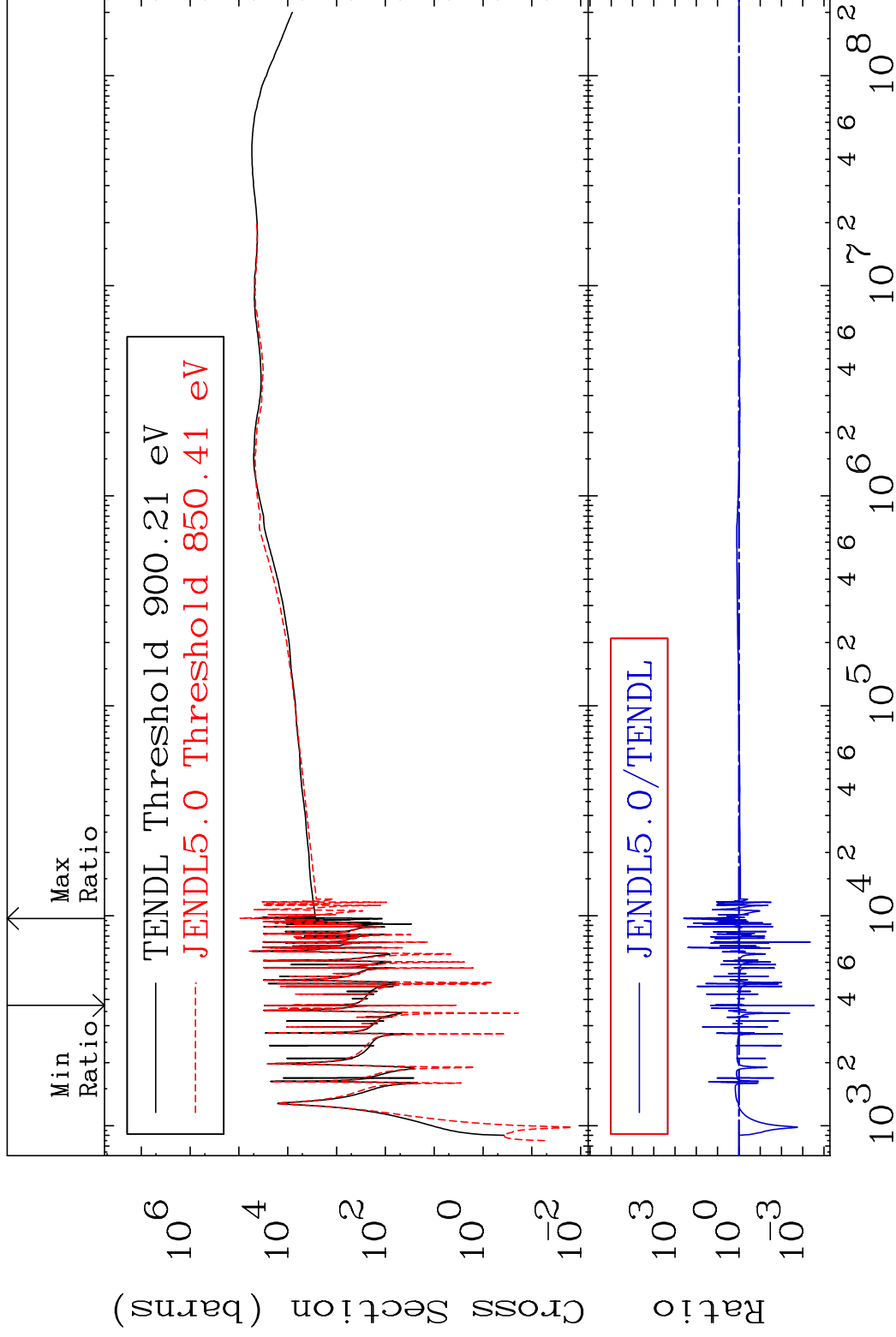
61 Incident Energy (eV) 60-Nd-144

MAT 6031

Dpa elastic (mt2)

60-Nd-144

Cross Section -99.97 To 9999. %

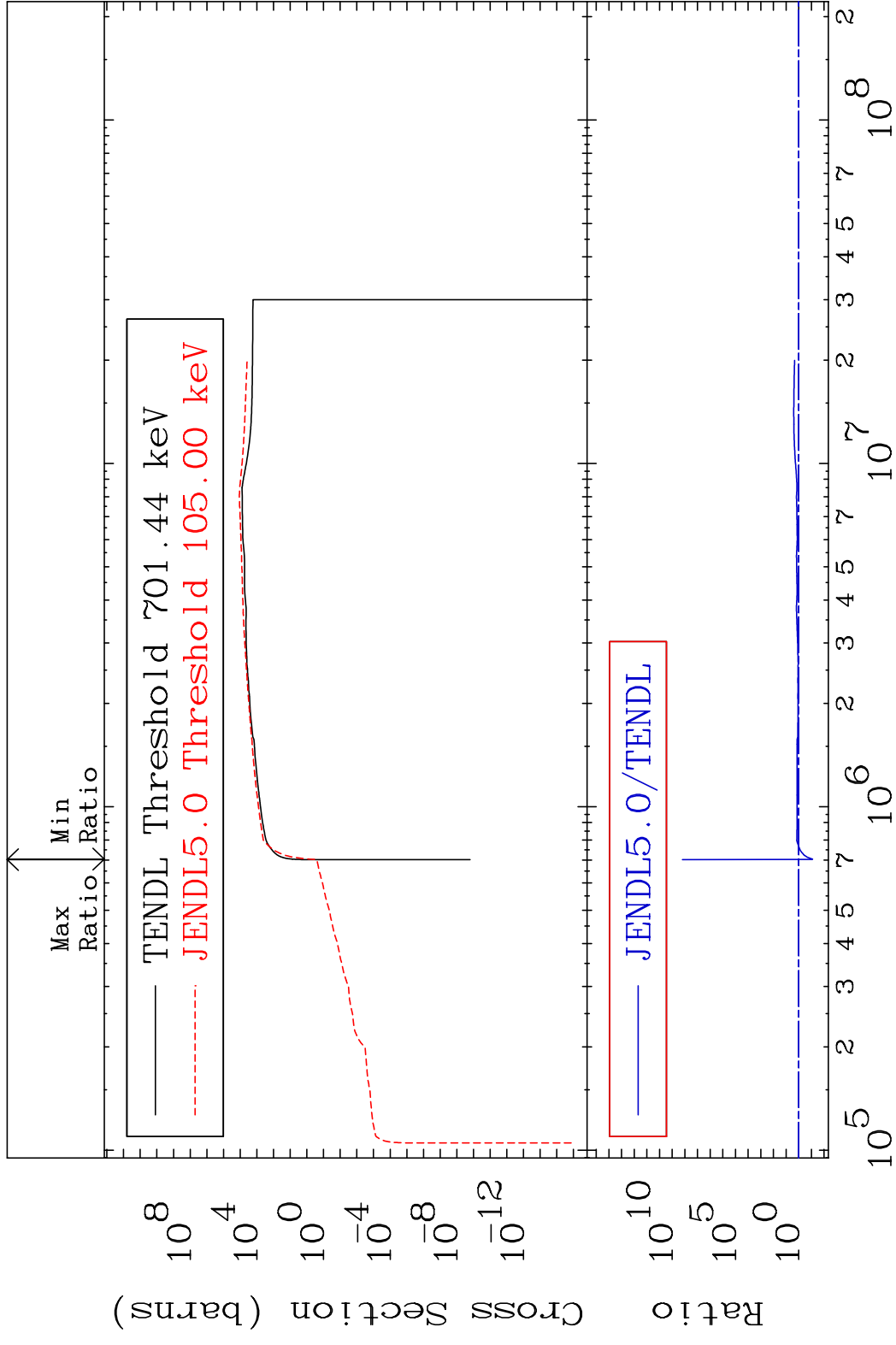


62

Incident Energy (eV)

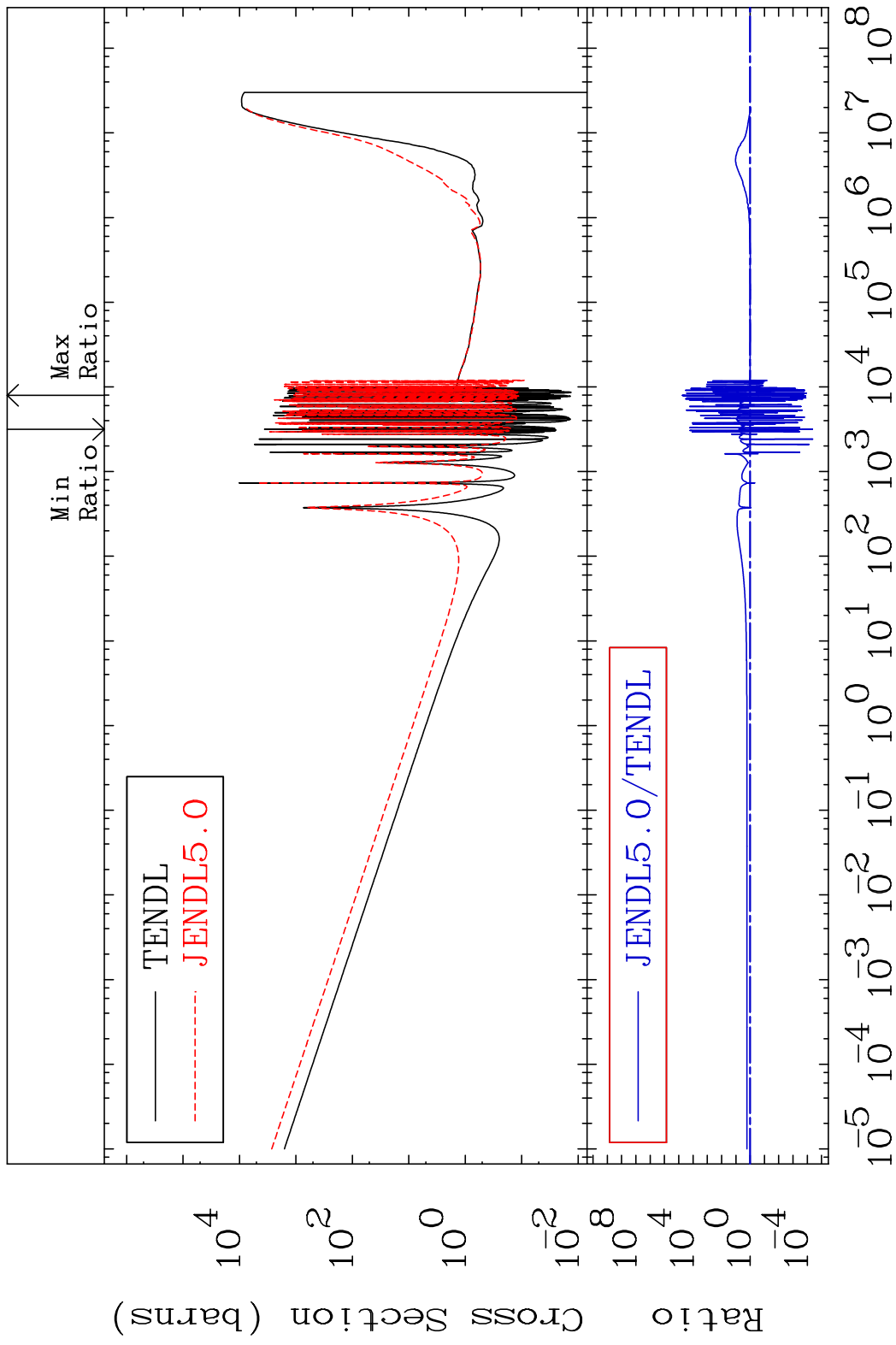
60-Nd-144

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



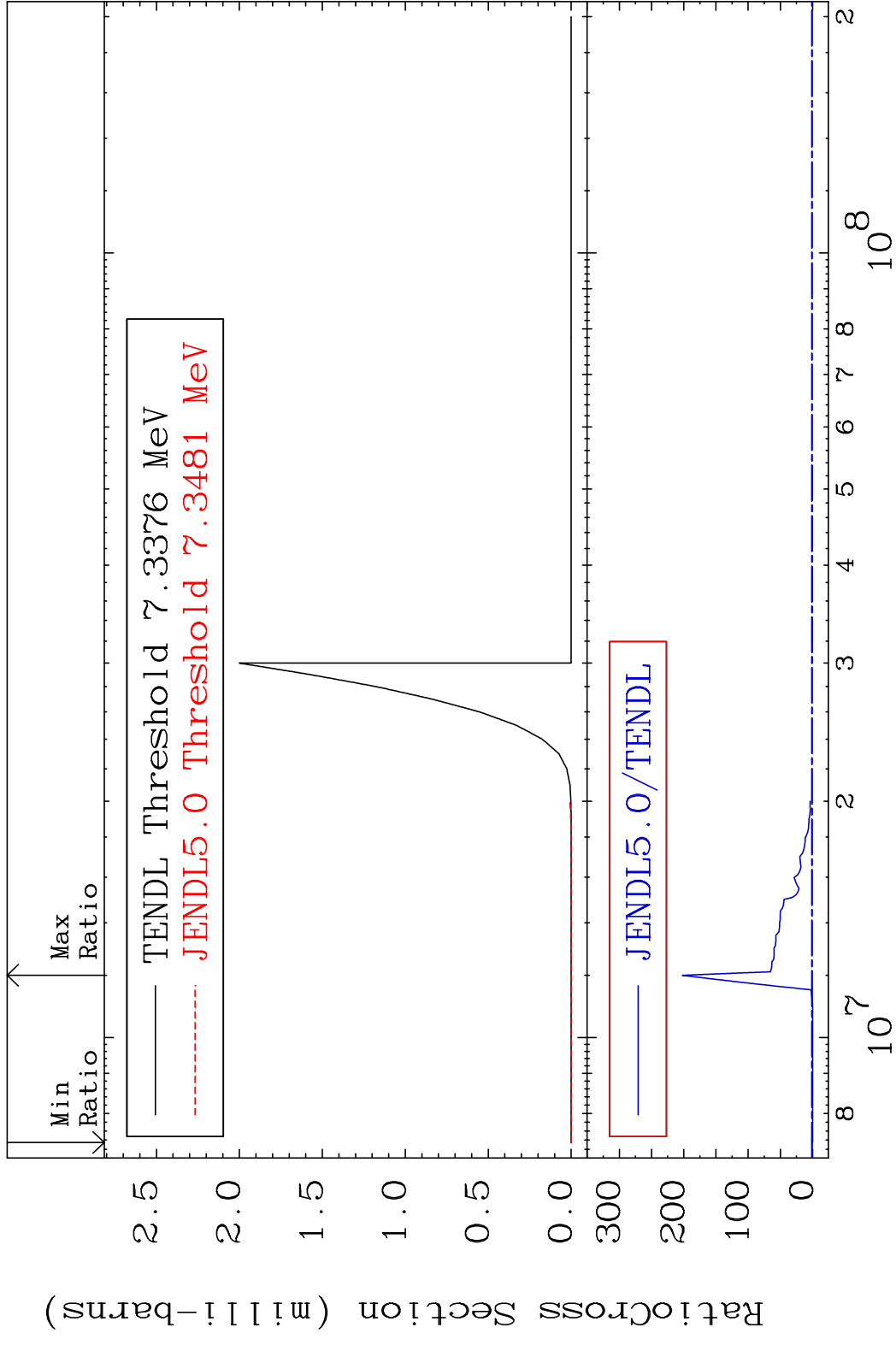
63 Incident Energy (eV) 60-Nd-144

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

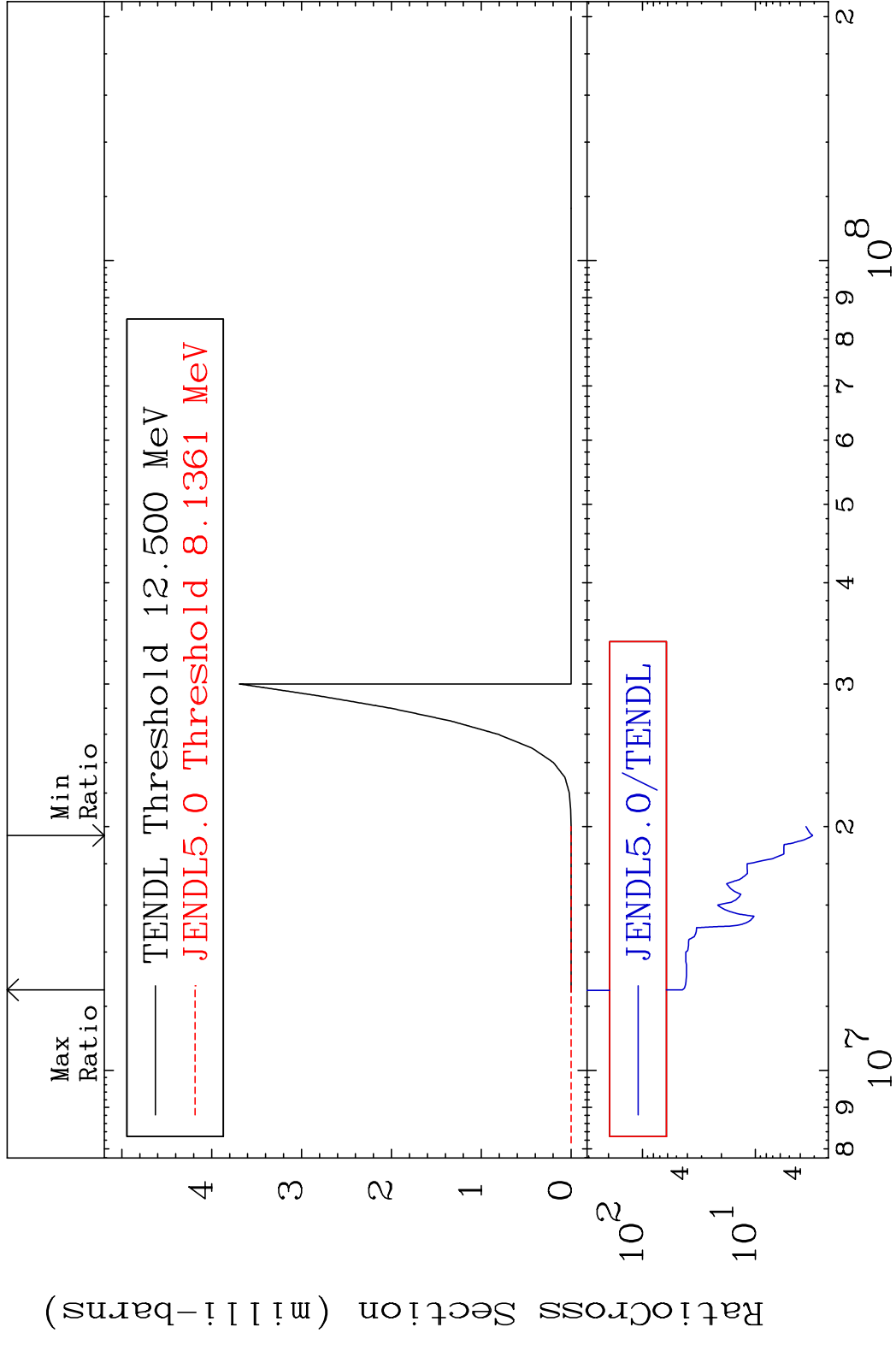


64 Incident Energy (eV) 60-Nd-144

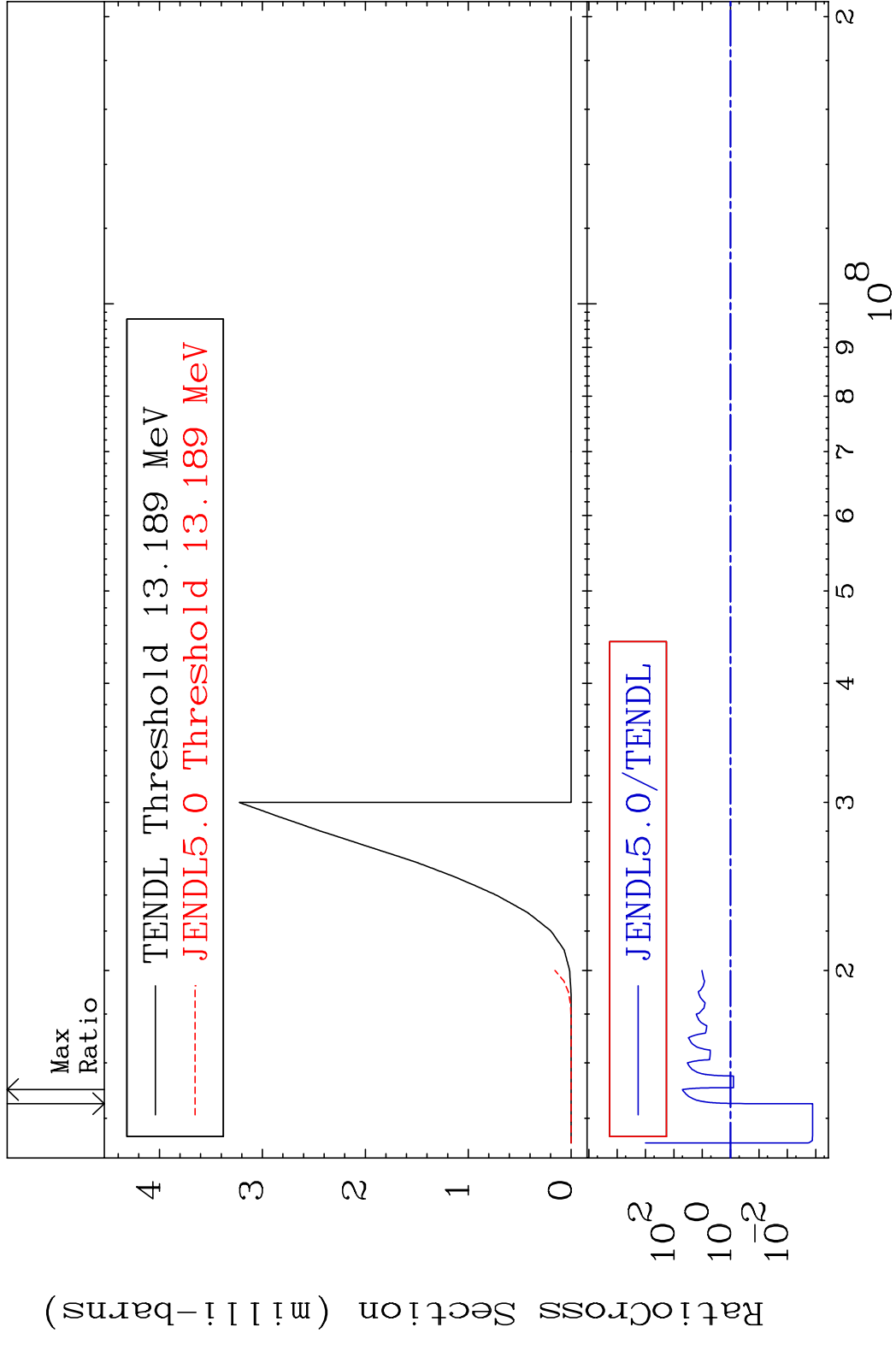
MAT 6031 (n,2n) α :58-Ce-139g 60-Nd-144
 Radionuclide Production Cross Section 100.00 % 9999. %

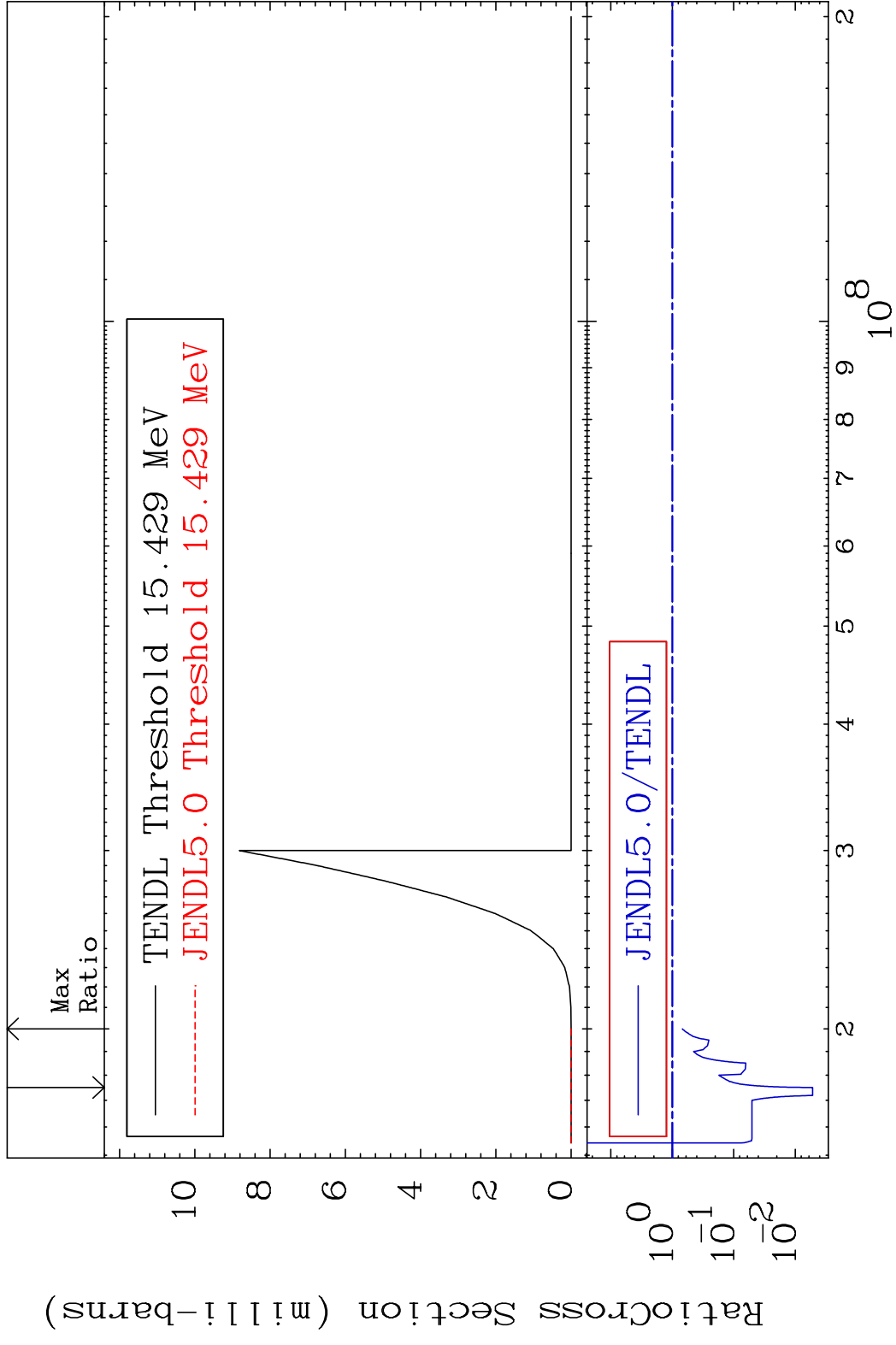


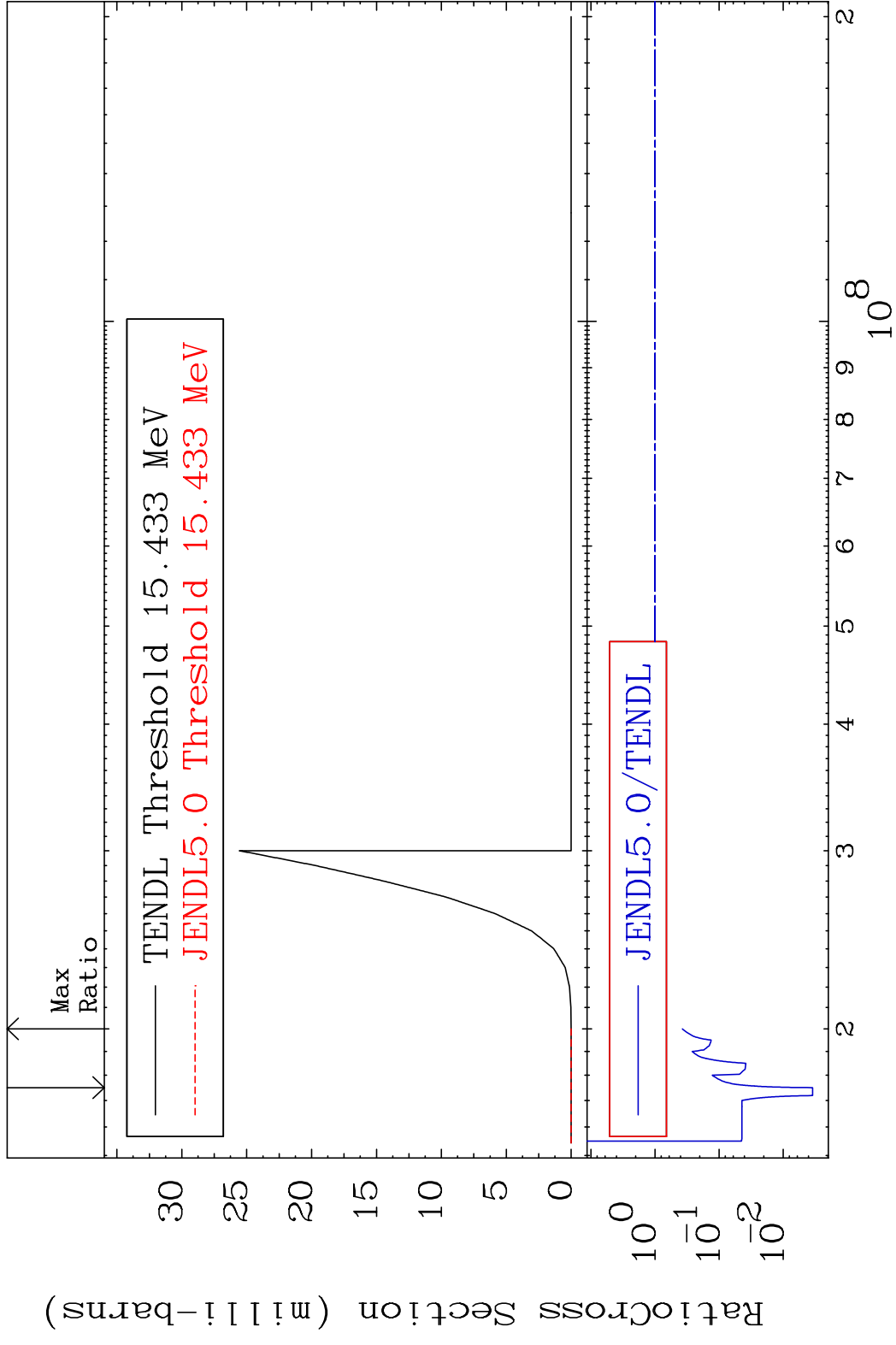
MAT 6031 (n,2n) α :58-Ce-139m2 60-Nd-144
 Radionuclide Production Cross Section Ratio 4328. %

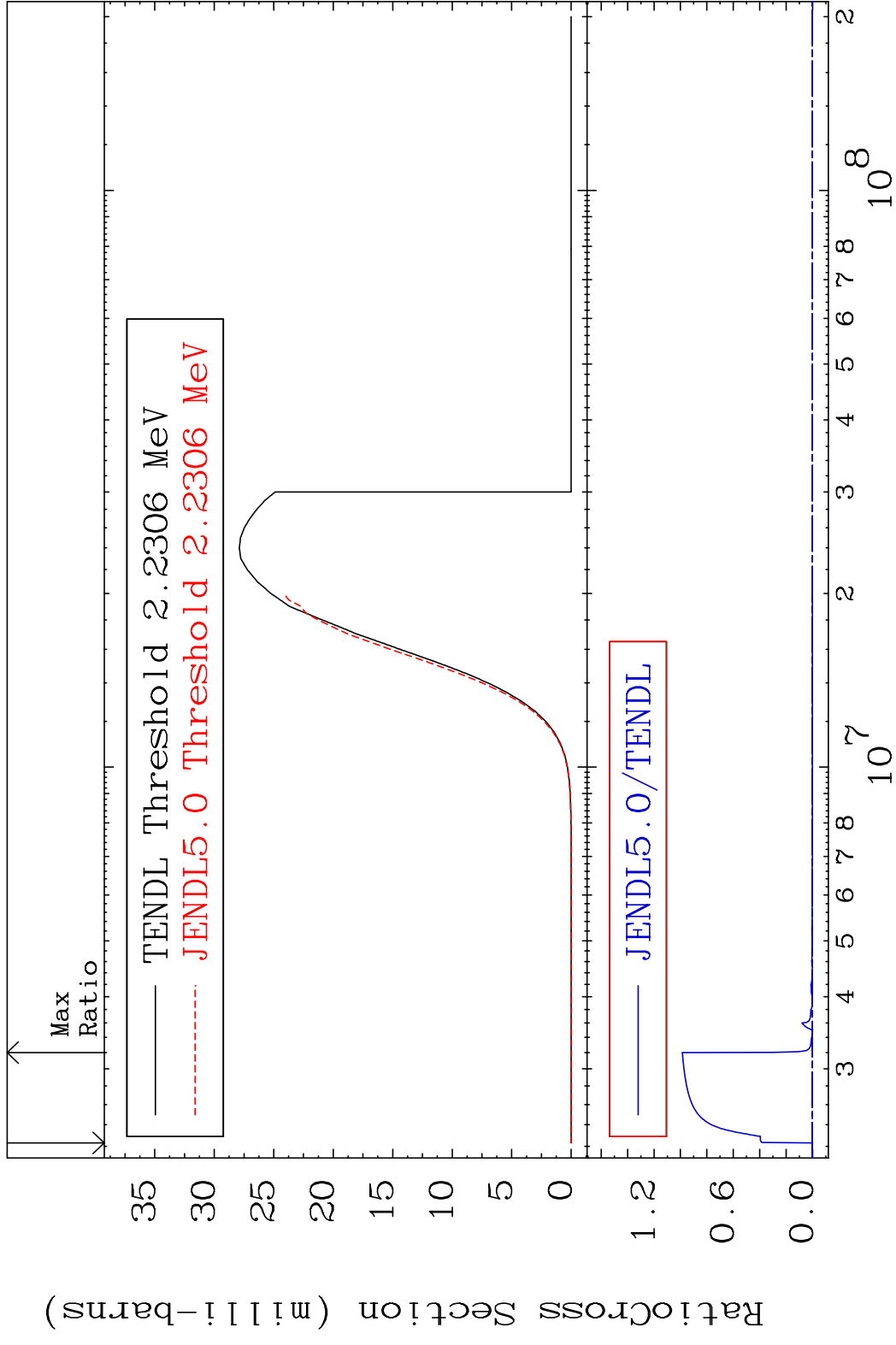


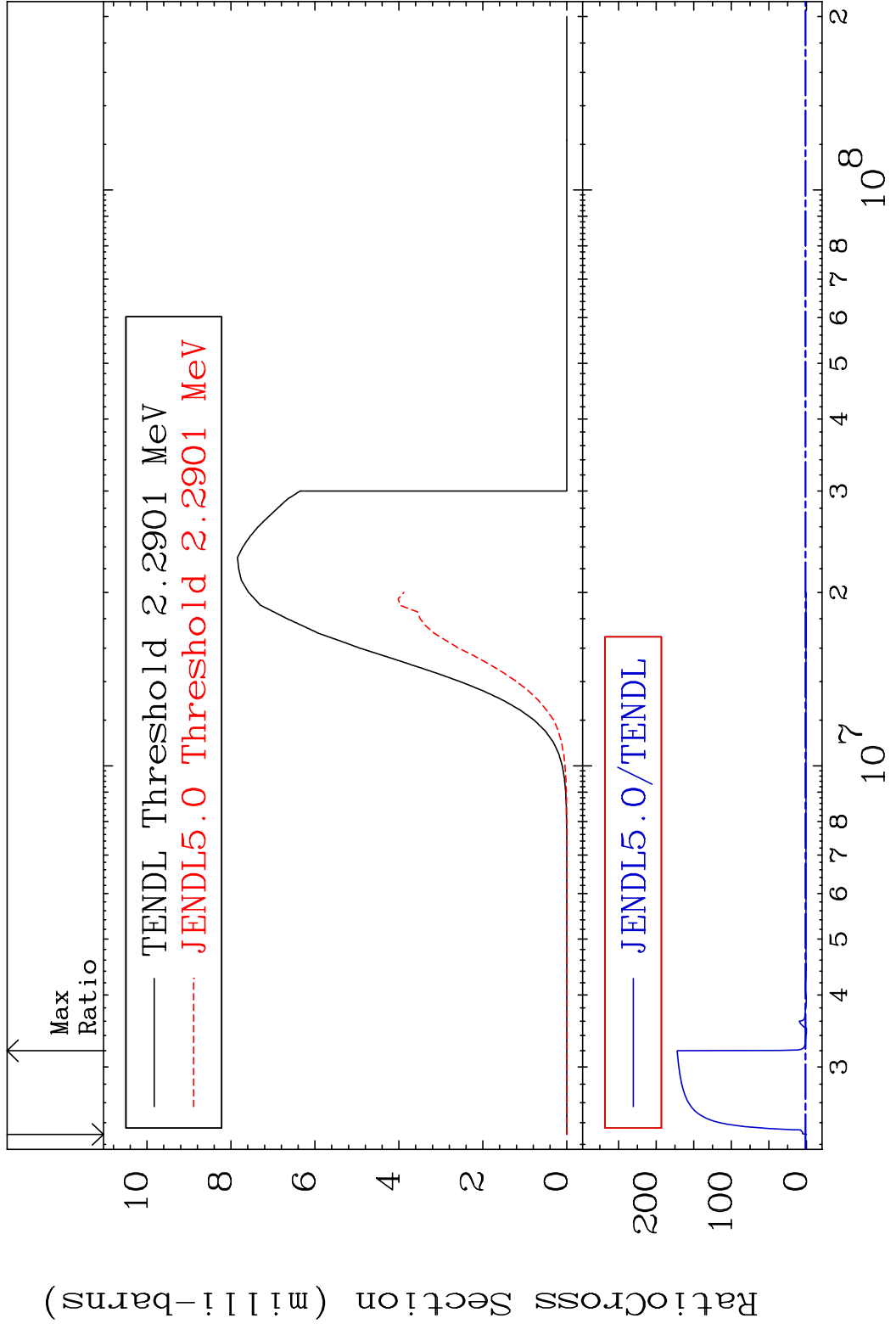
MAT 6031 (n, n') d:59-Pr-142g 60-Nd-144
 Radionuclide Production Cross Section 98.67% to 4928. %



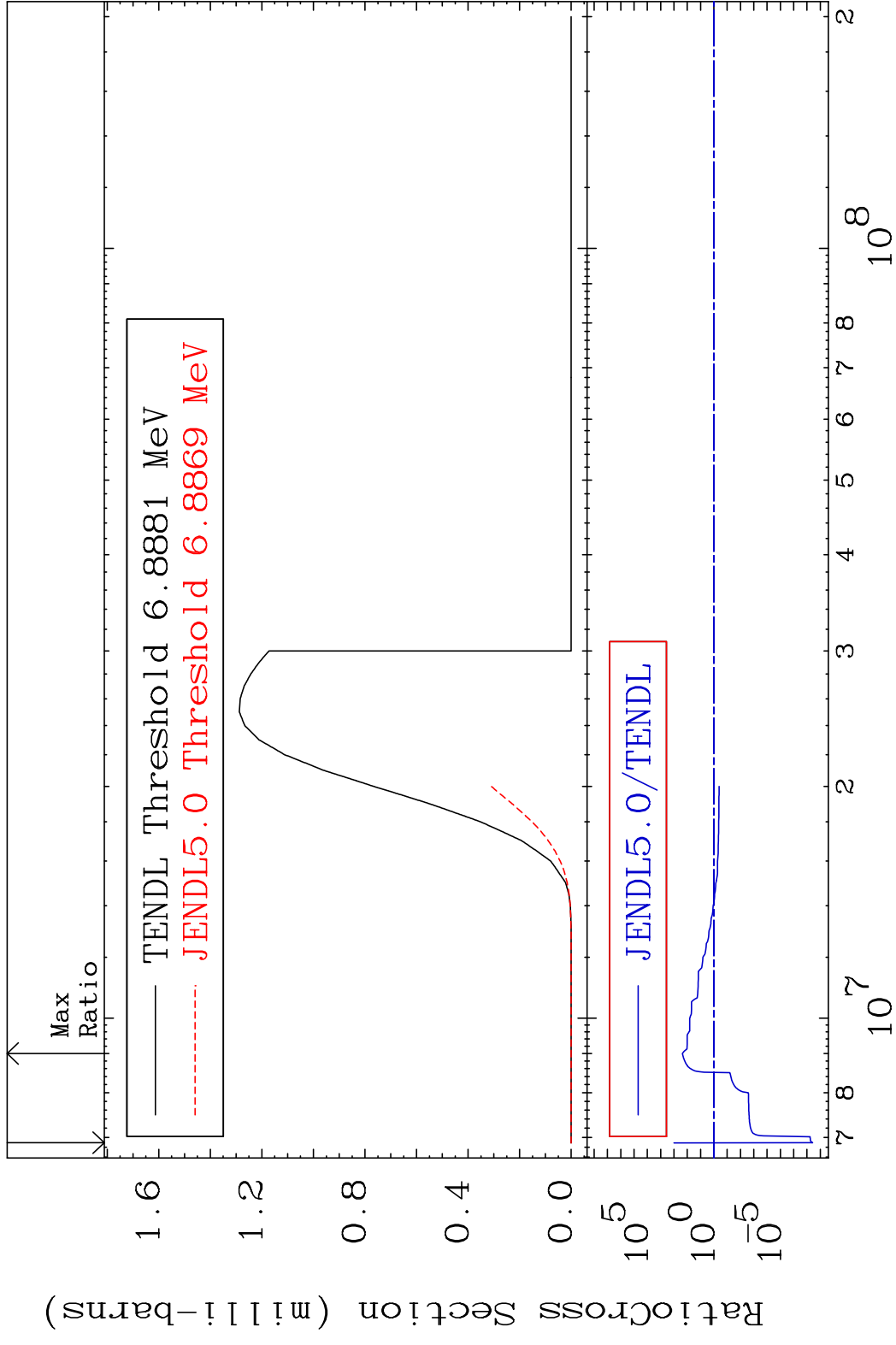








MAT 6031 (n,t):59-Pr-142g 60-Nd-144
 Radionuclide Production Cross Section to 9999. %



MAT 6031 (n, t):59-Pr-142m1 60-Nd-144
 Radionuclide Production Cross Section Ratio 9999. %

