

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

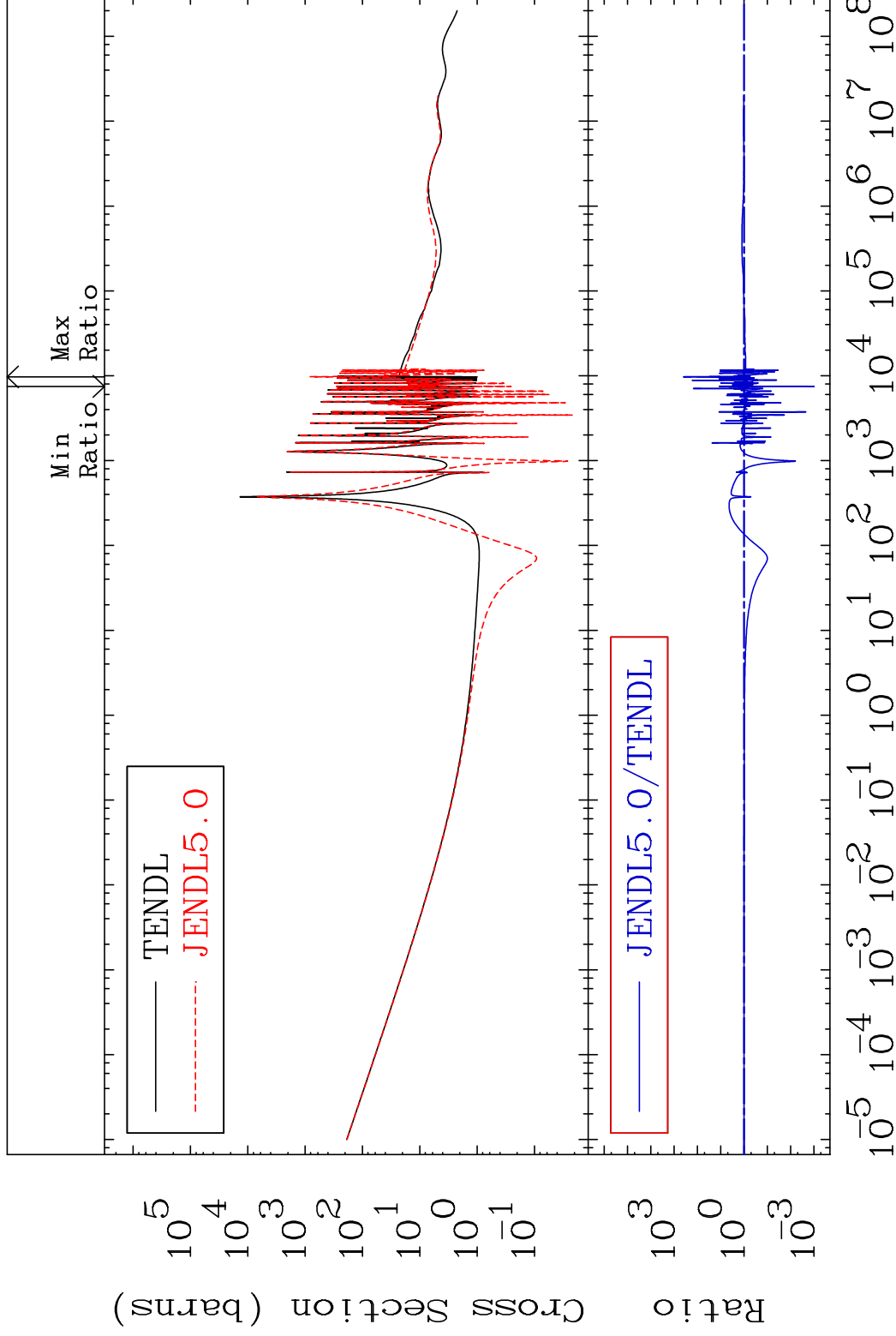
MAT 6031

Total

60-Nd-144

Cross Section

-99.90 To 9999. %



1

Incident Energy (eV)

60-Nd-144

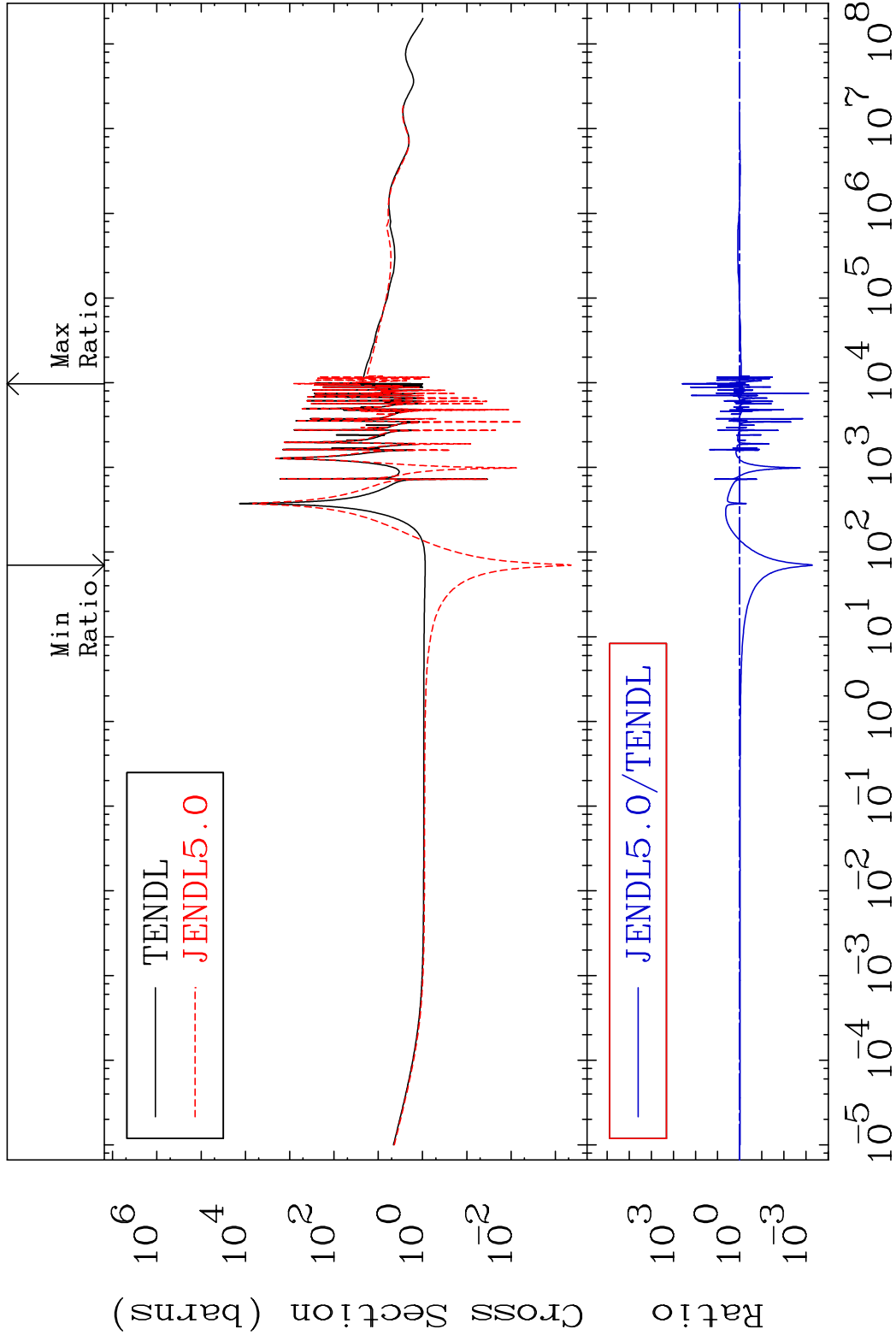
MAT 6031

Elastic

60-Nd-144

Cross Section

-99.95 To 9999. %



2

Incident Energy (eV)

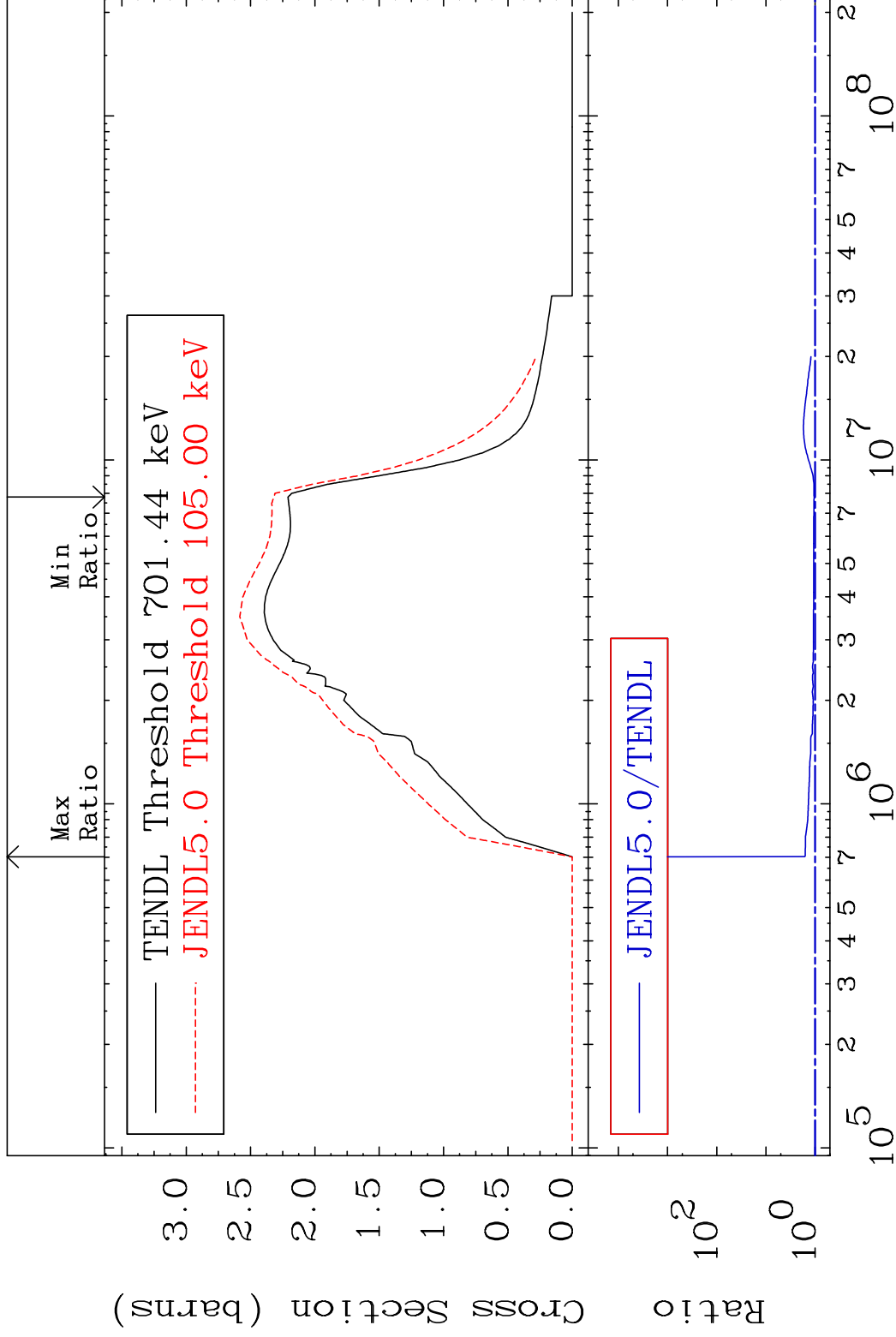
60-Nd-144

MAT 6031

Inelastic

60-Nd-144

Cross Section 5.025 To 9999. %



3

Incident Energy (eV)

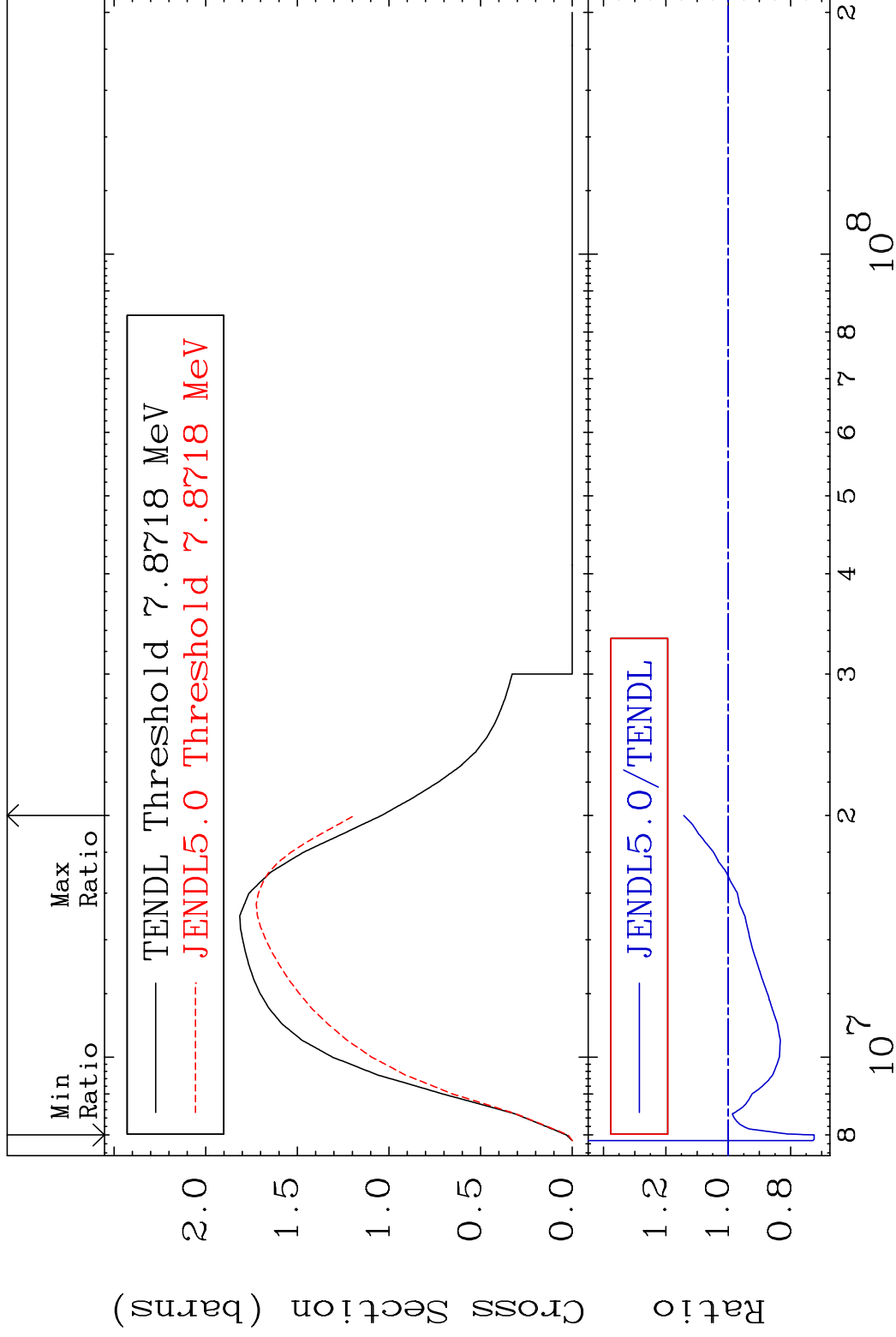
60-Nd-144

MAT 6031

(n,2n)

60-Nd-144

Cross Section -27.54 To 14.30 %



4

Incident Energy (eV)

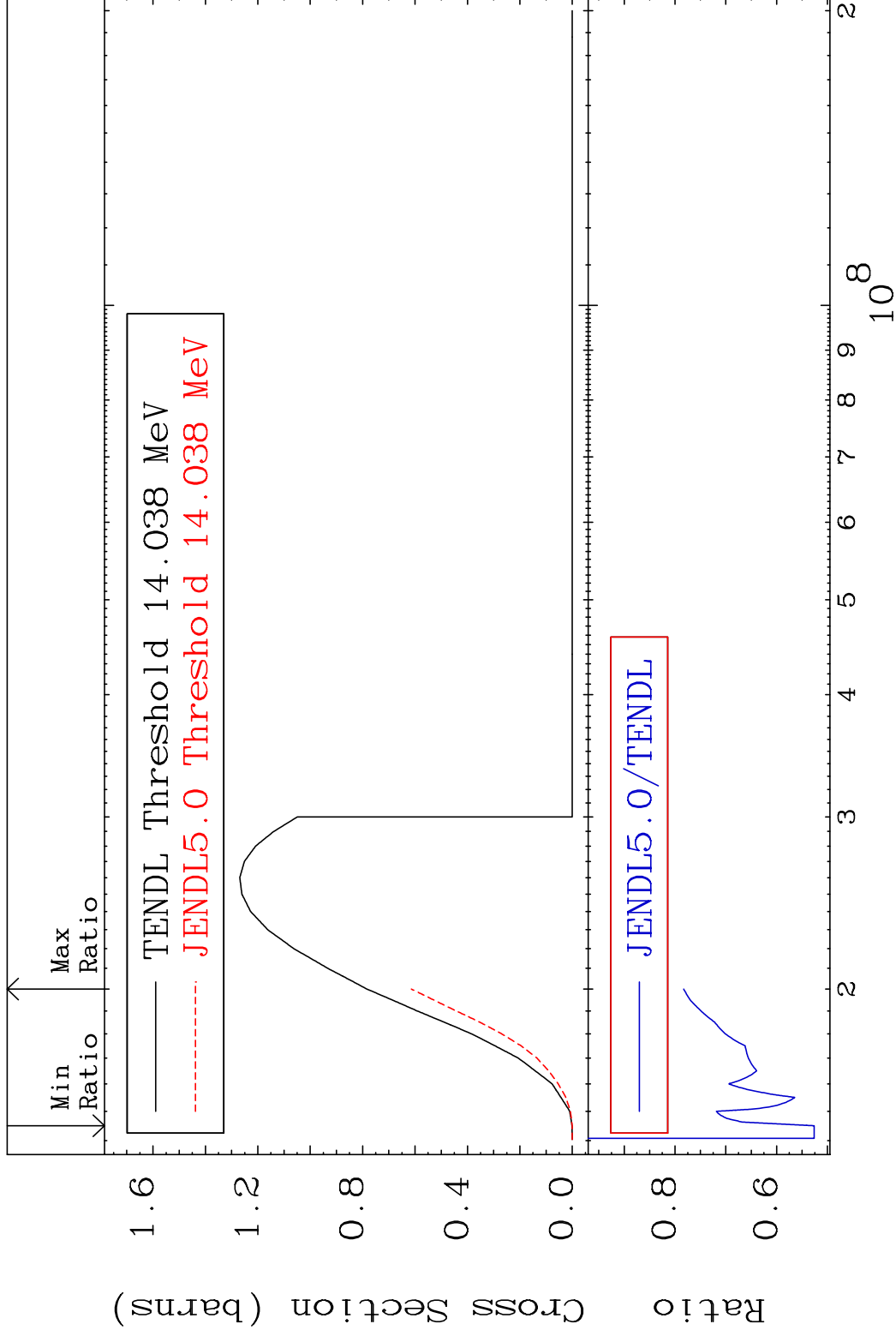
60-Nd-144

MAT 6031

(n,3n)

60-Nd-144

Cross Section -47.38 To -21.70%



5

Incident Energy (eV)

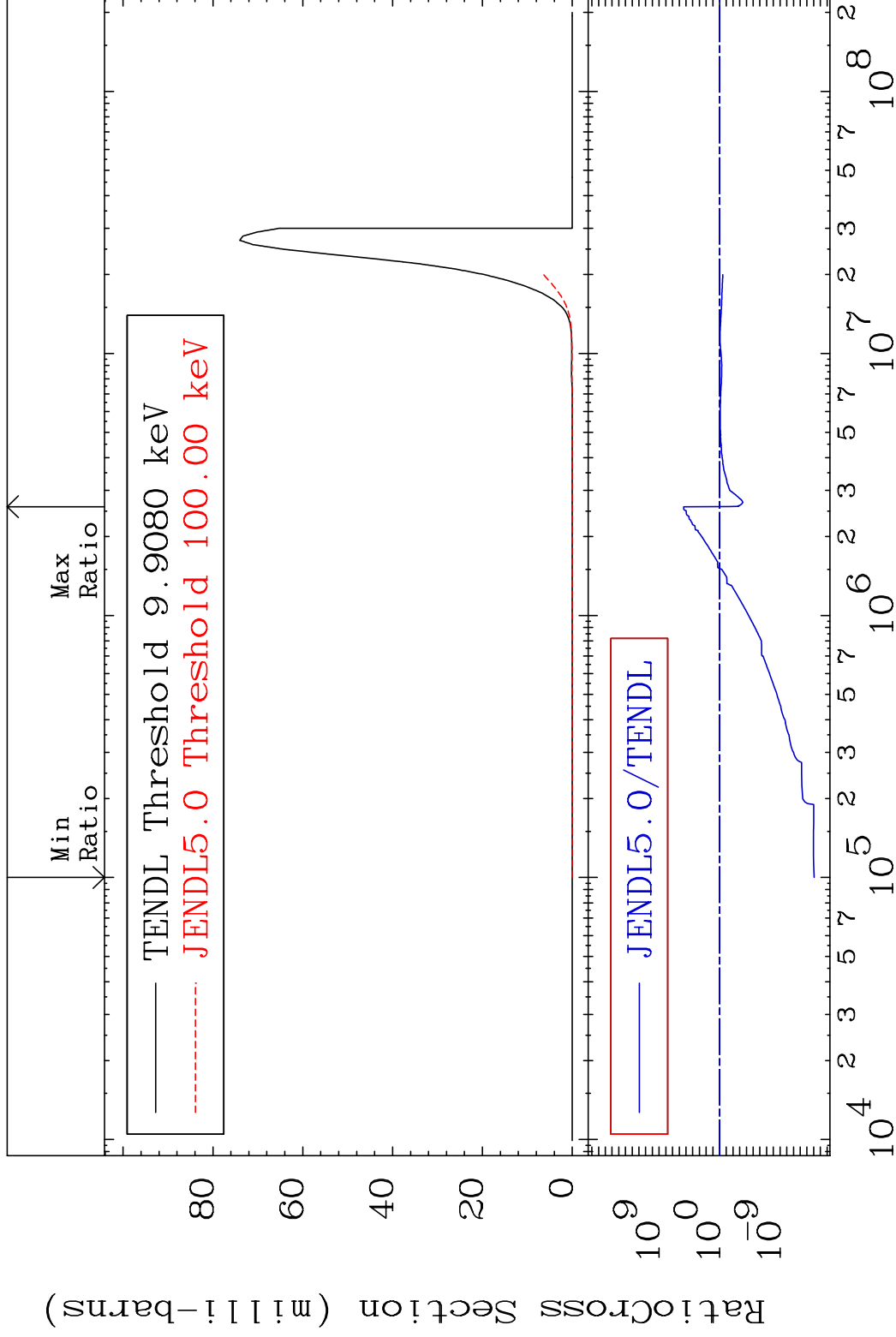
60-Nd-144

MAT 6031

(n, n') α

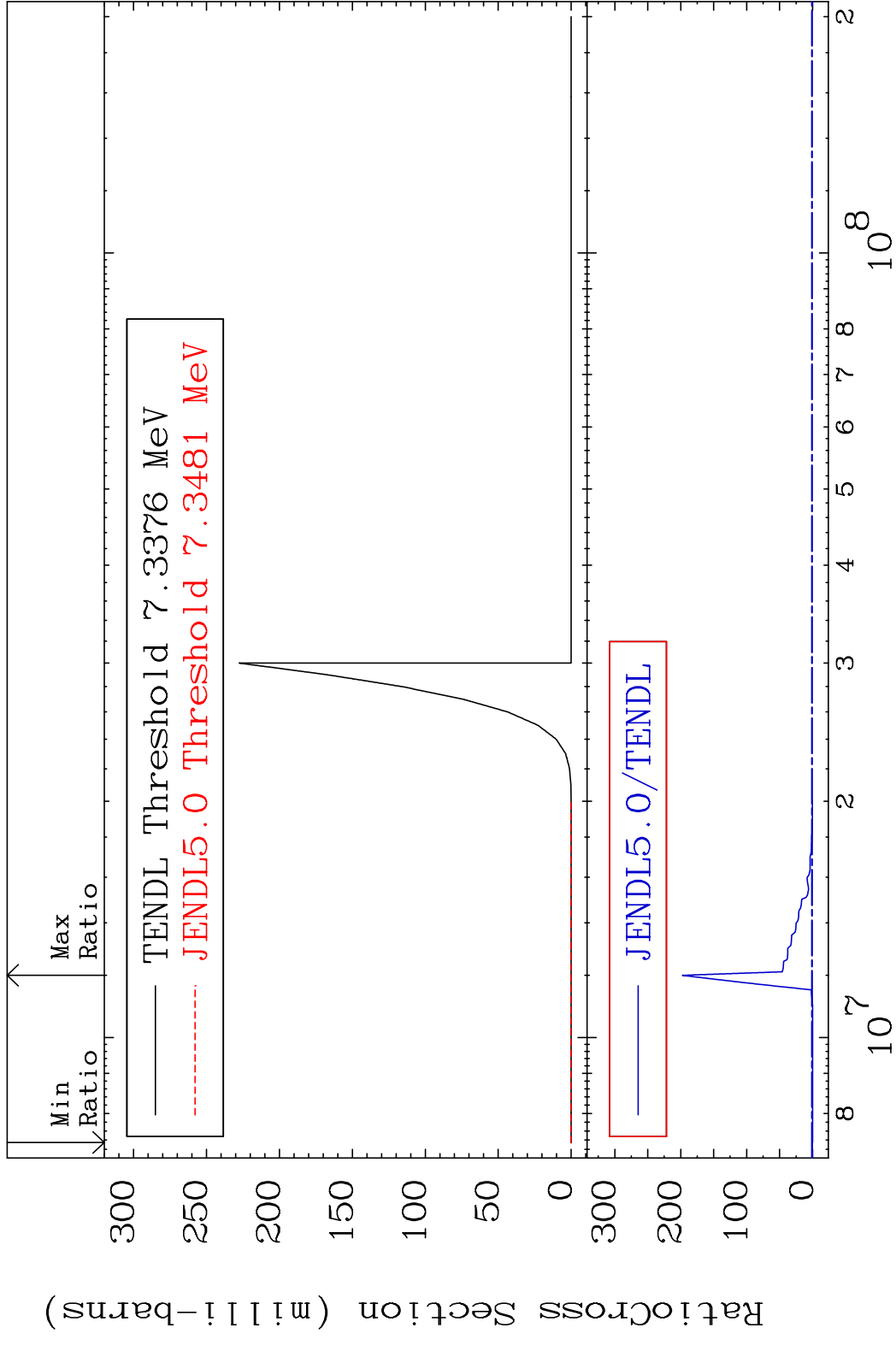
60-Nd-144

Cross Section -100.0 To 9999. %



60-Nd-144 Incident Energy (eV)

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



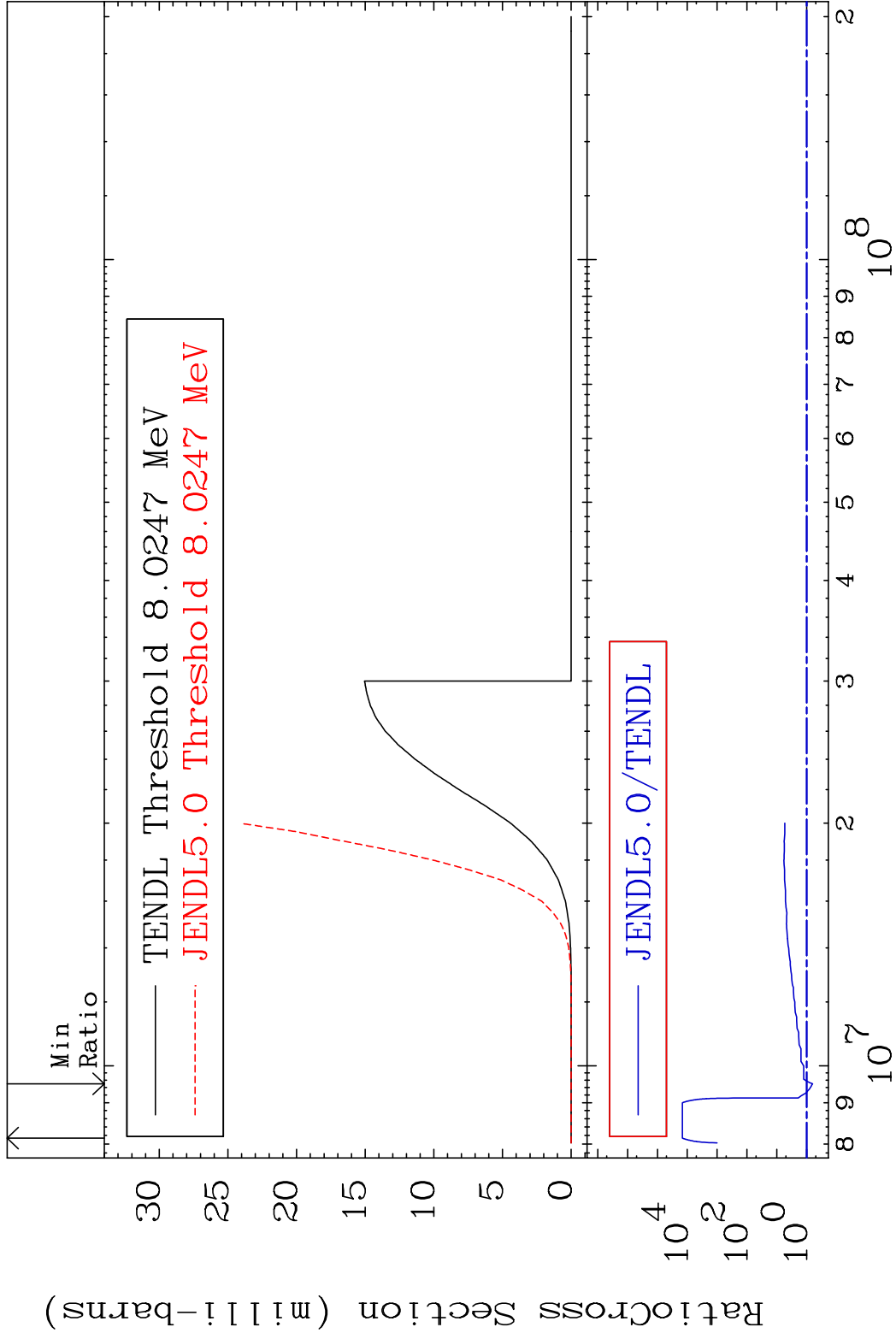
7 Incident Energy (eV) 60-Nd-144

MAT 6031

(n, n') p

60-Nd-144

Cross Section -36.30 To 9999. %



8

Incident Energy (eV)

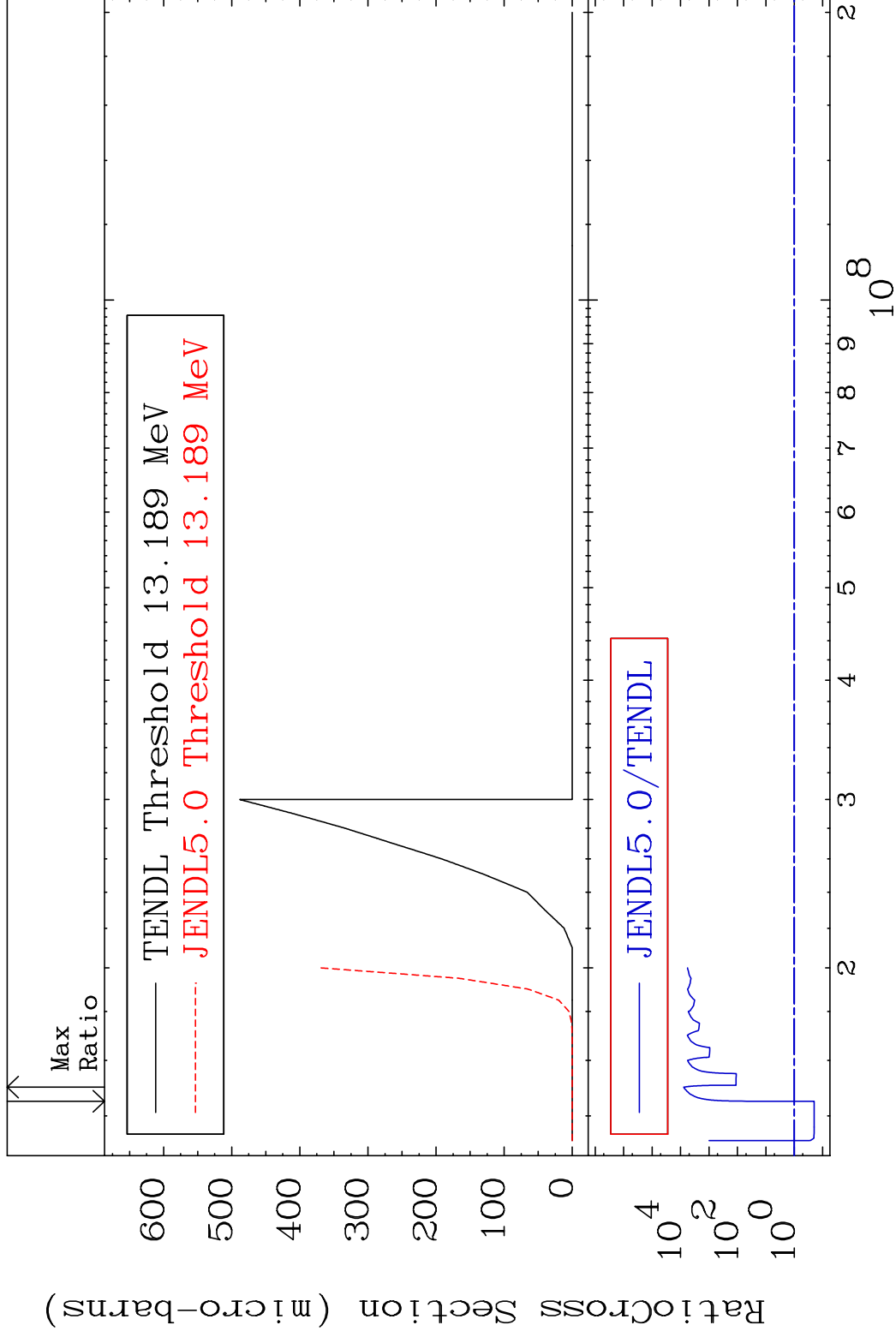
60-Nd-144

MAT 6031

(n, n') d

60-Nd-144

Cross Section -79.94 To 9999. %

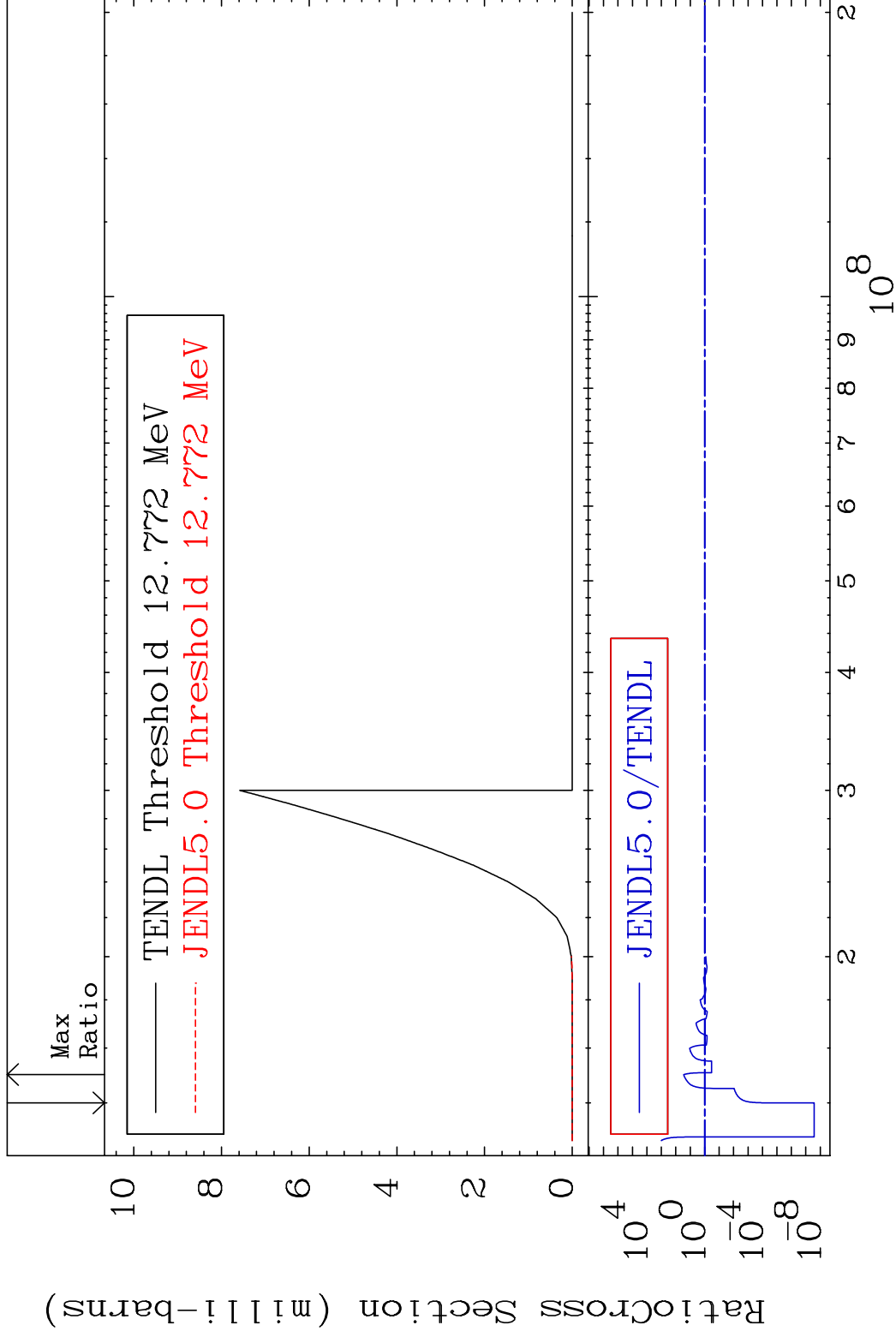


MAT 6031

(n, n') t

60-Nd-144

Cross Section -100.0 To 2744. %

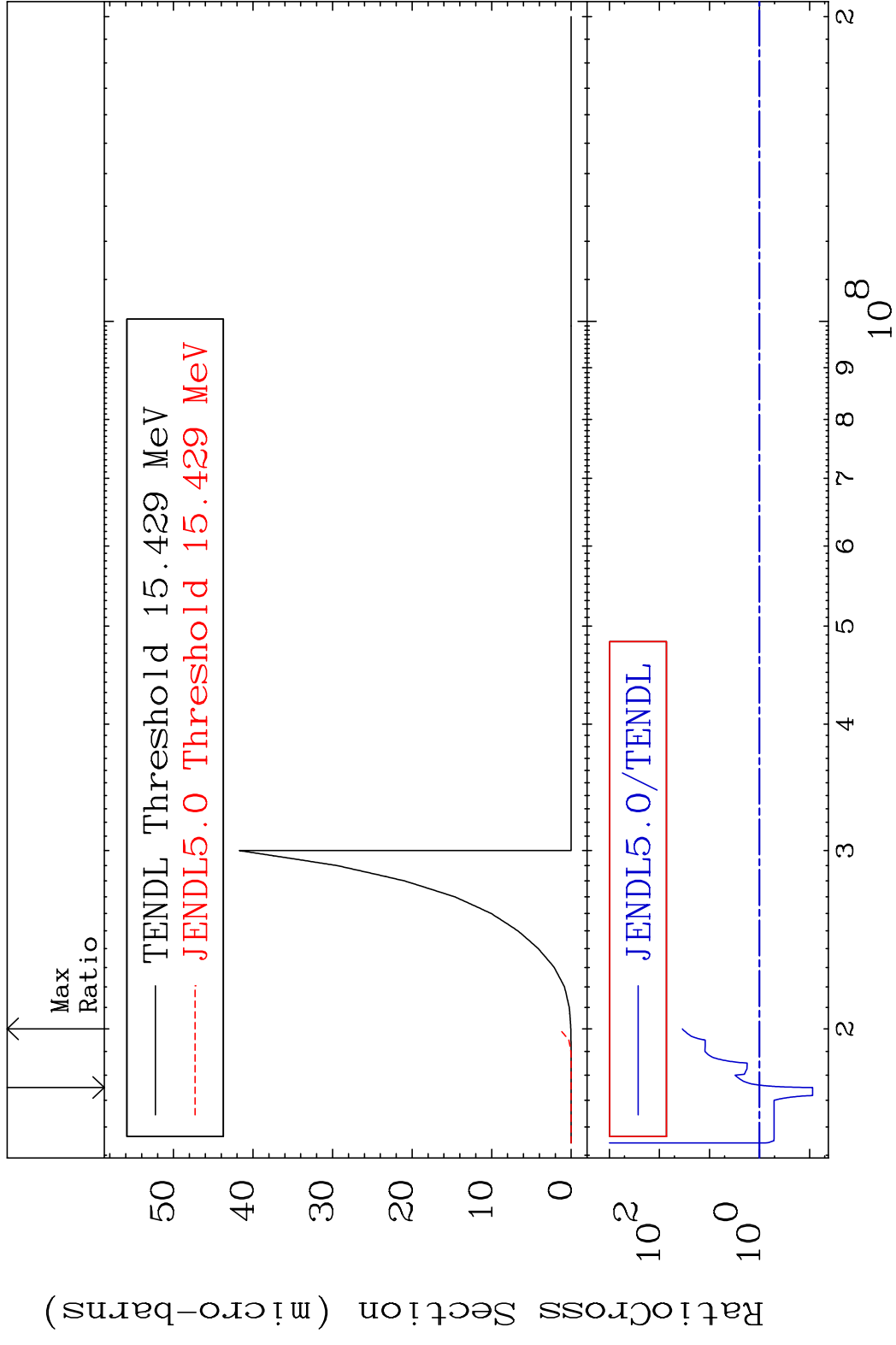


10

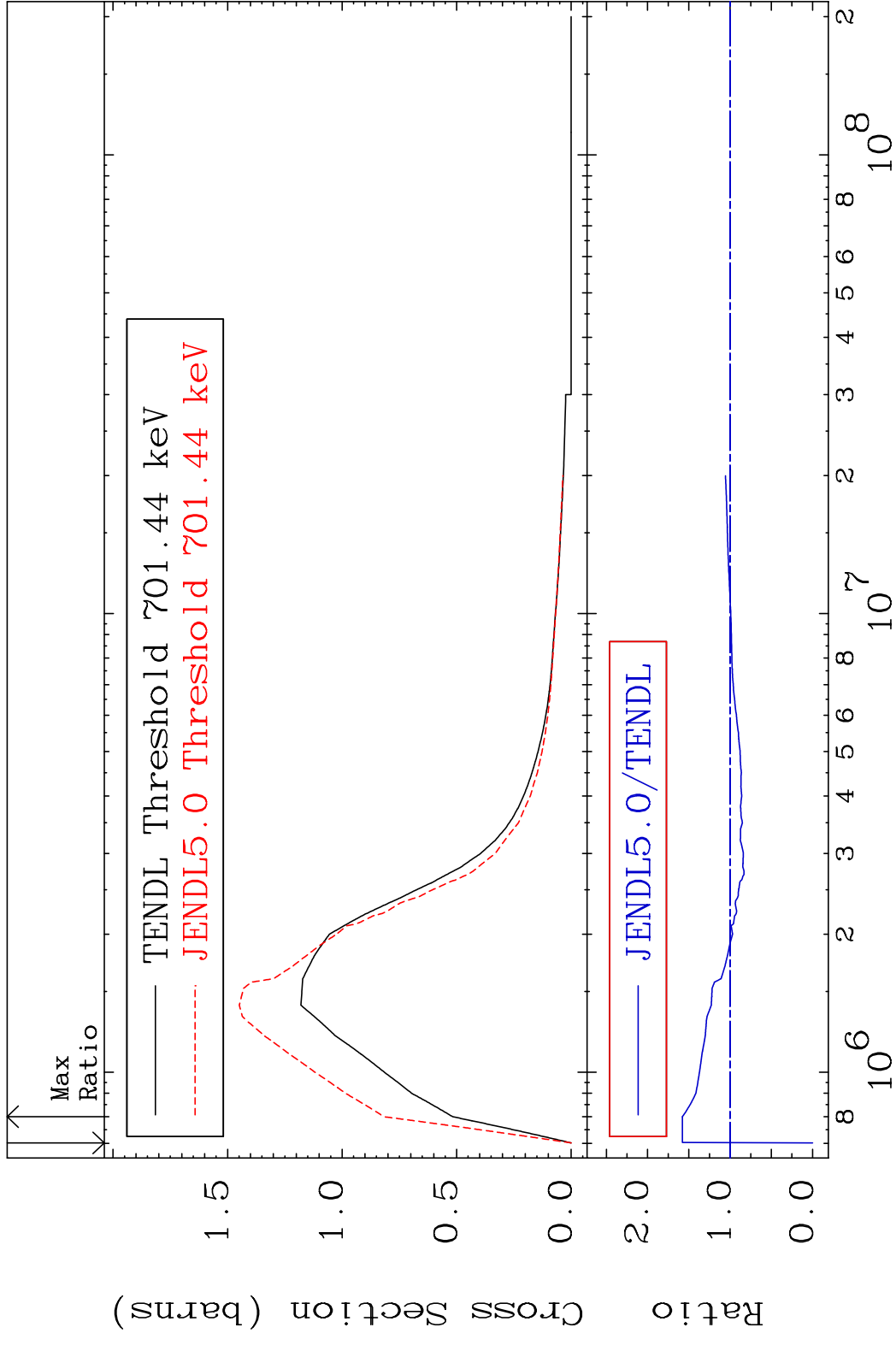
Incident Energy (eV)

60-Nd-144

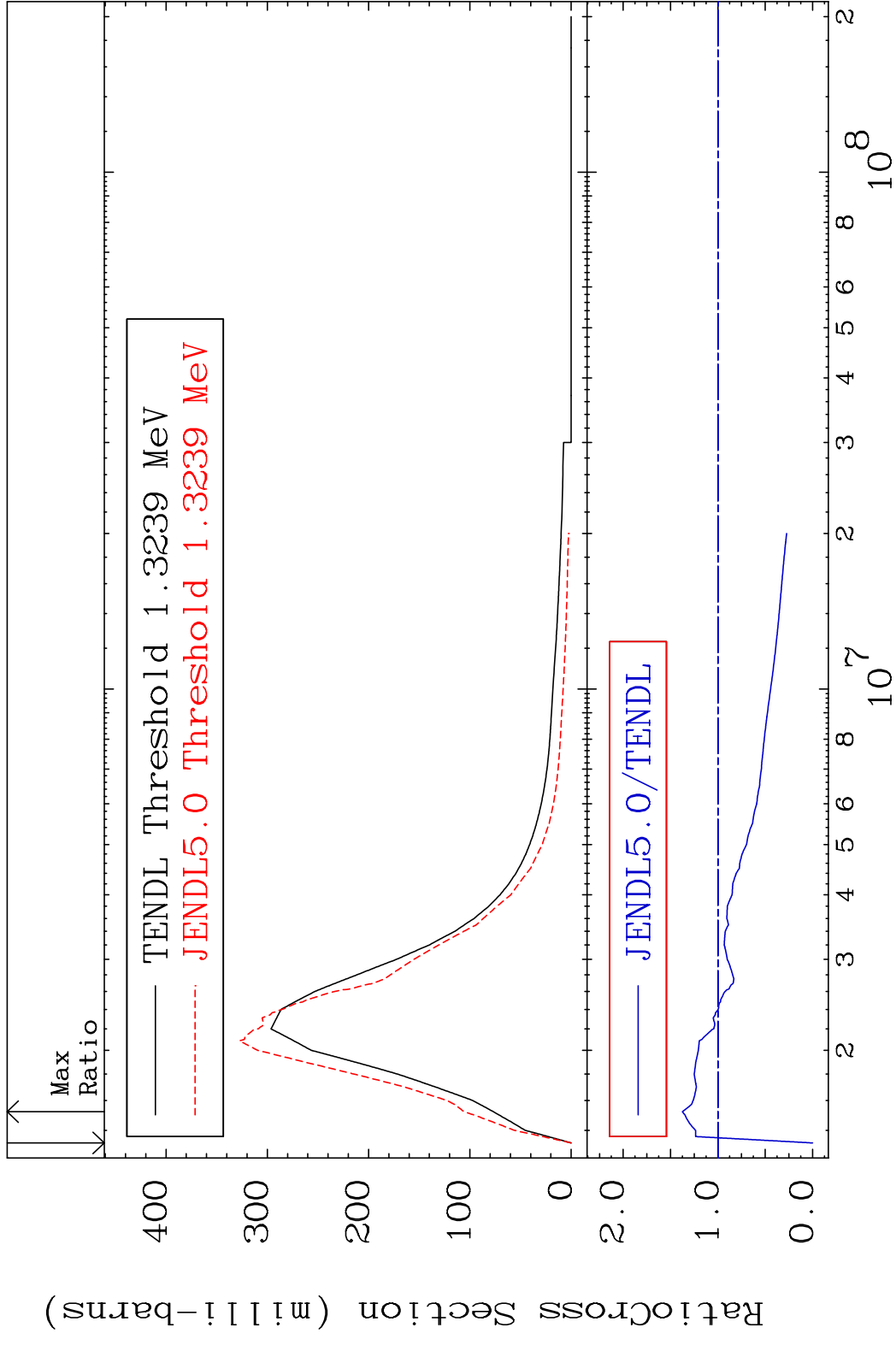
MAT 6031 (n,2n) p 60-Nd-144
 Cross Section -91.26 To 3382. %



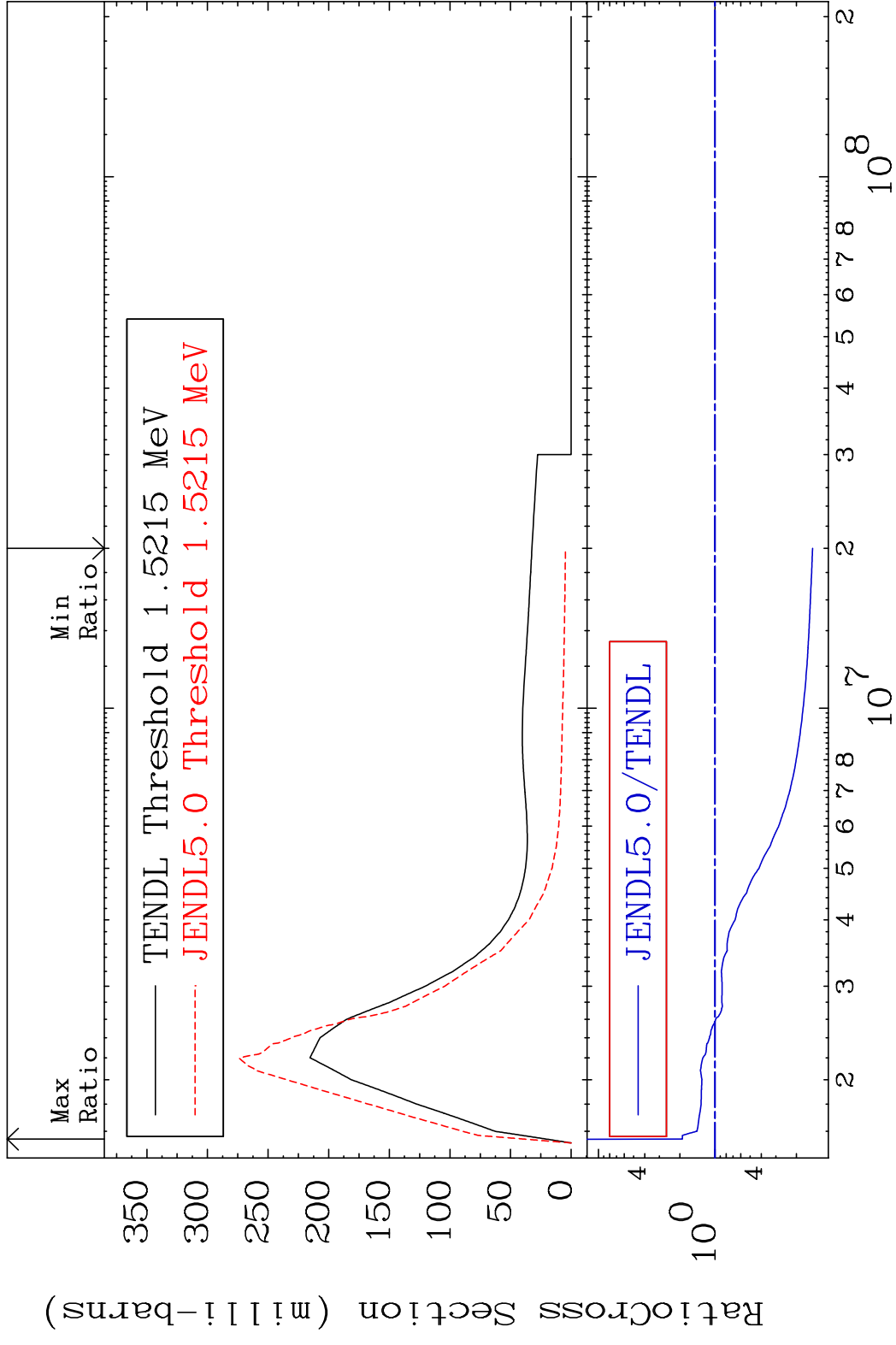
MAT 6031 MT= 51 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 57.86 %



MAT 6031 MT= 52 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 37.51 %



MAT 6031 MT= 53 (n, n') Level 60-Nd-144
 Cross Section -85.46 To 90.38 %

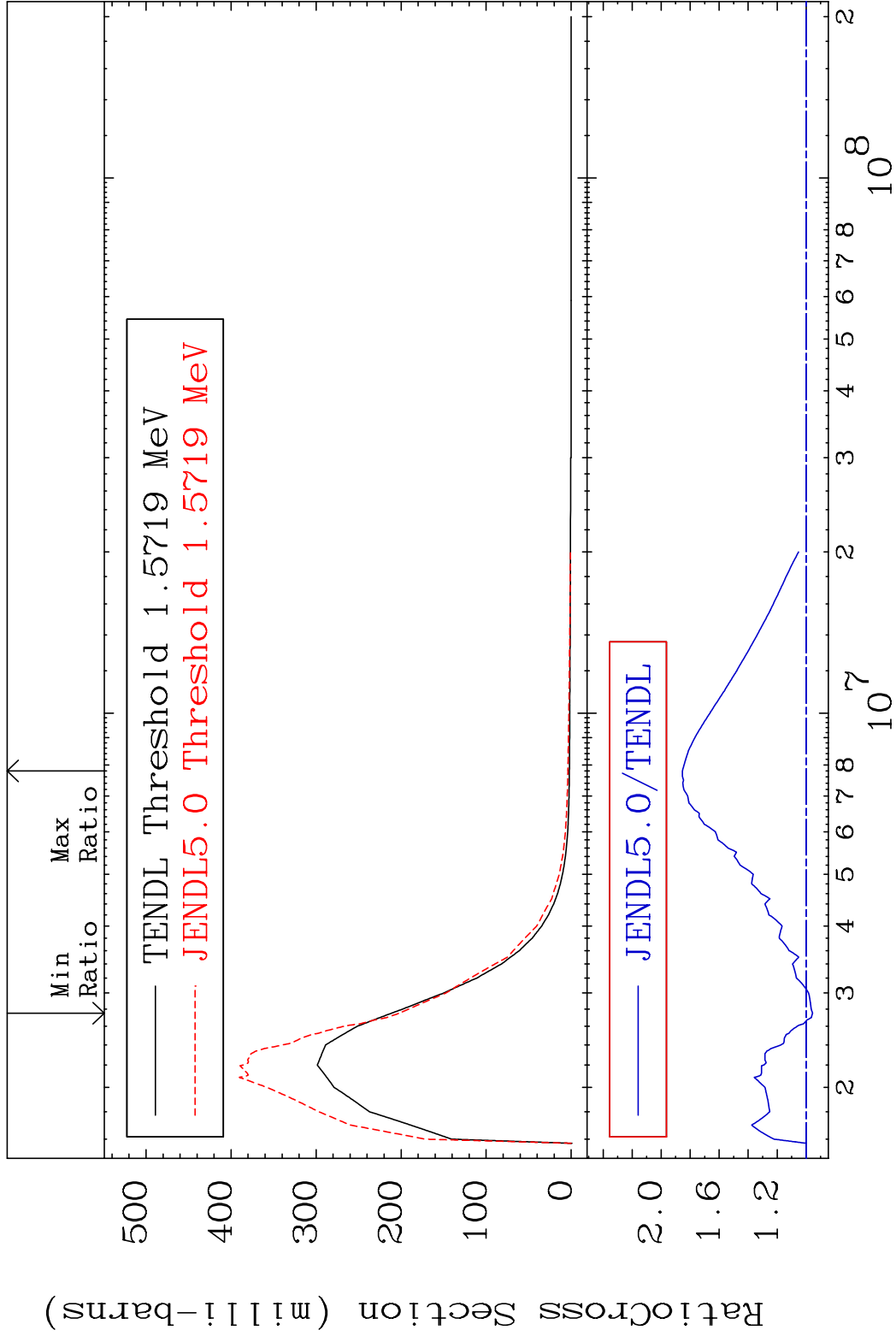


MAT 6031

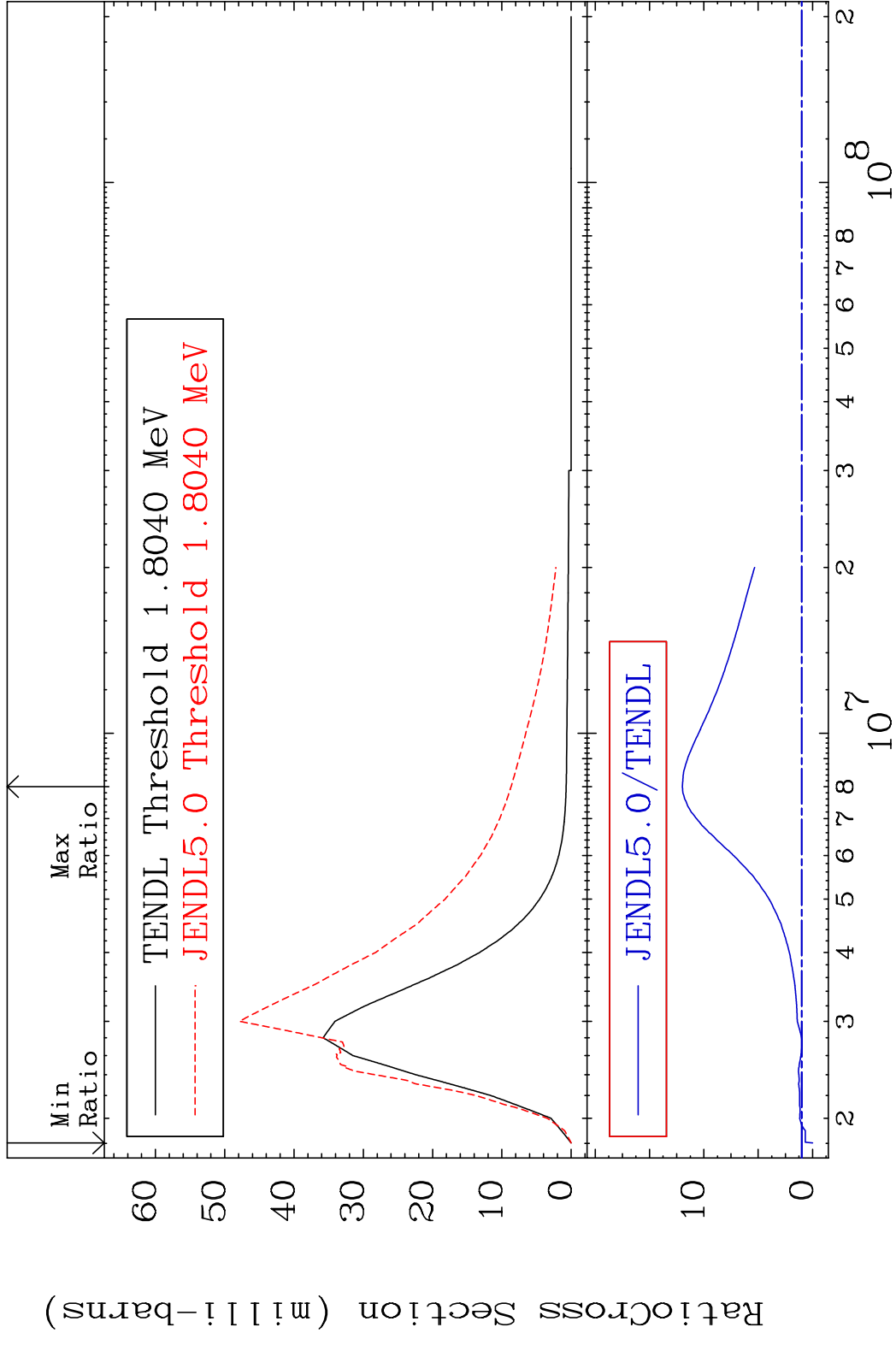
MT= 54 (n,n') Level

60-Nd-144

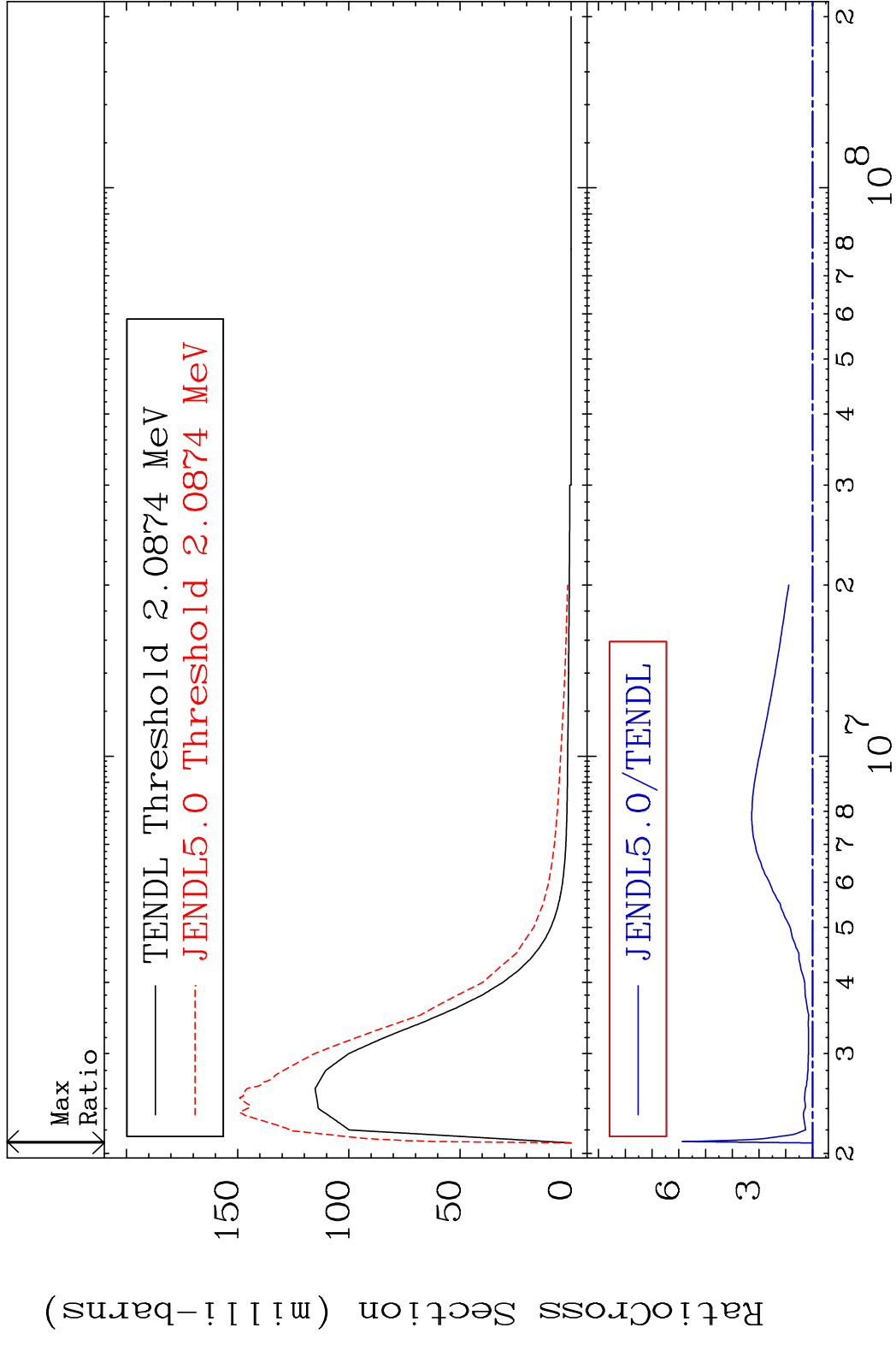
Cross Section -4.410 To 85.38 %



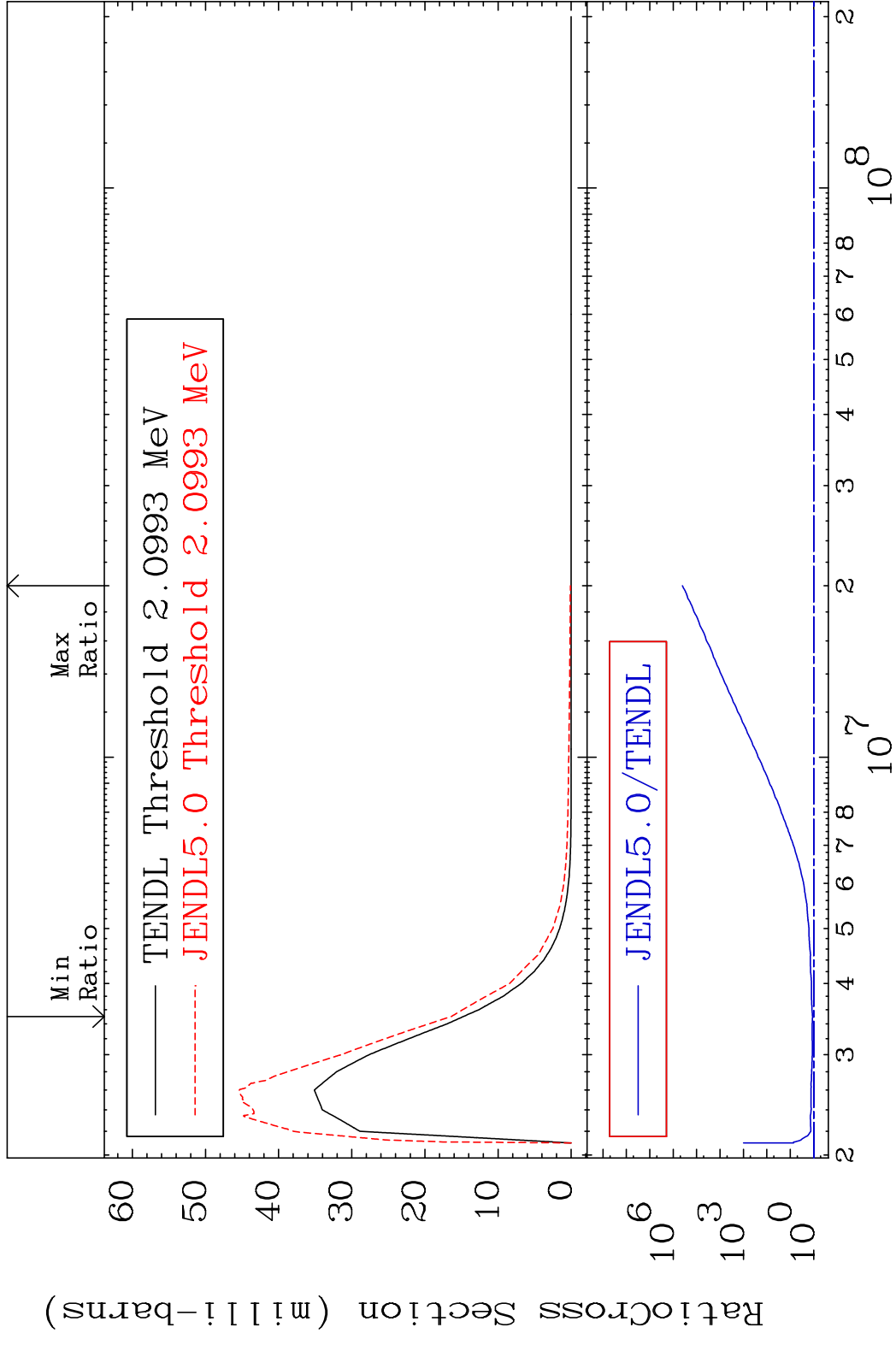
MAT 6031 MT= 55 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 1098. %



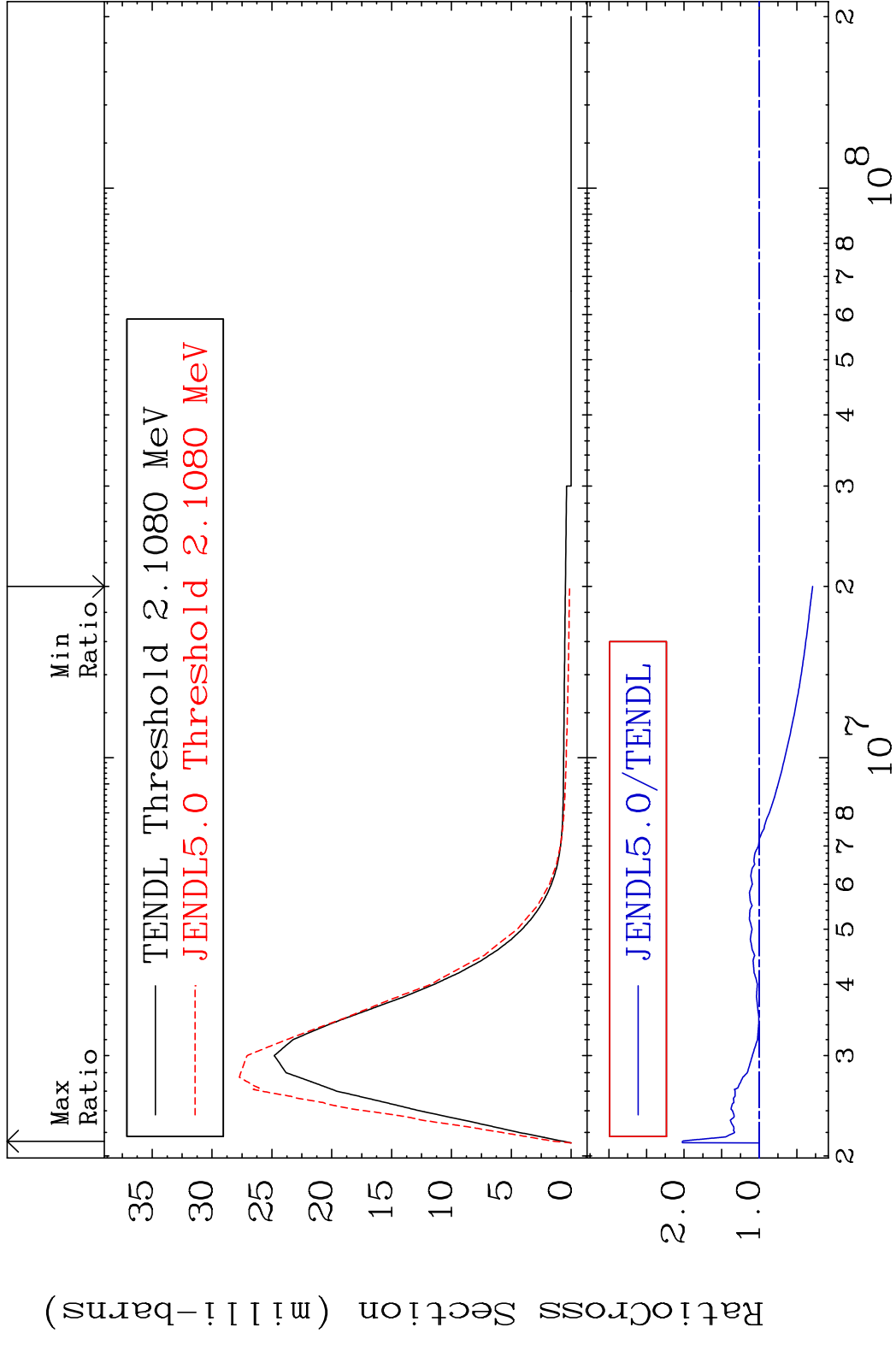
MAT 6031 MT= 56 (n,n') Level 60-Nd-144
 Cross Section 0.000 To 486.7 %



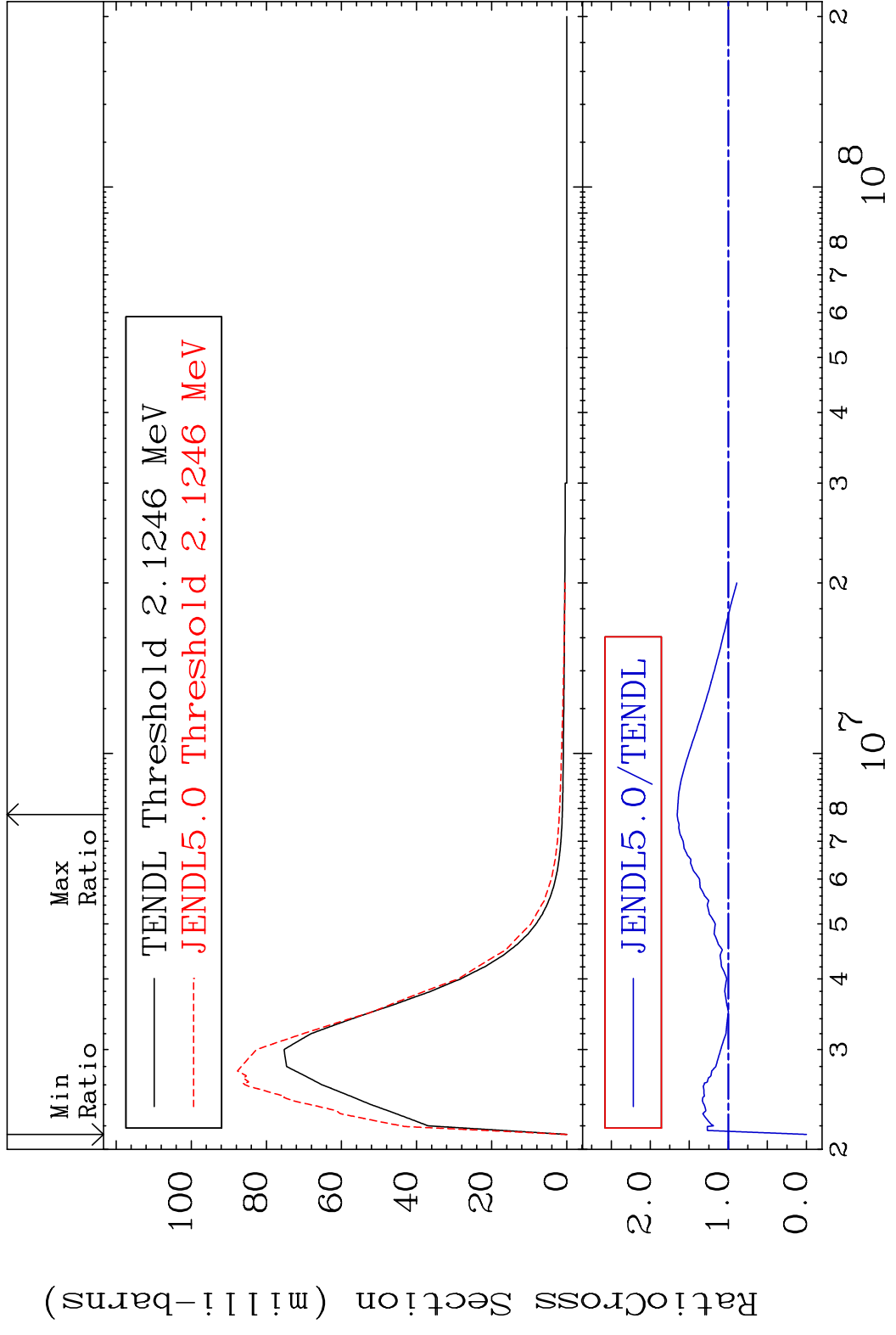
MAT 6031 MT= 57 (n, n') Level 60-Nd-144
 Cross Section 11.24 To 9999. %



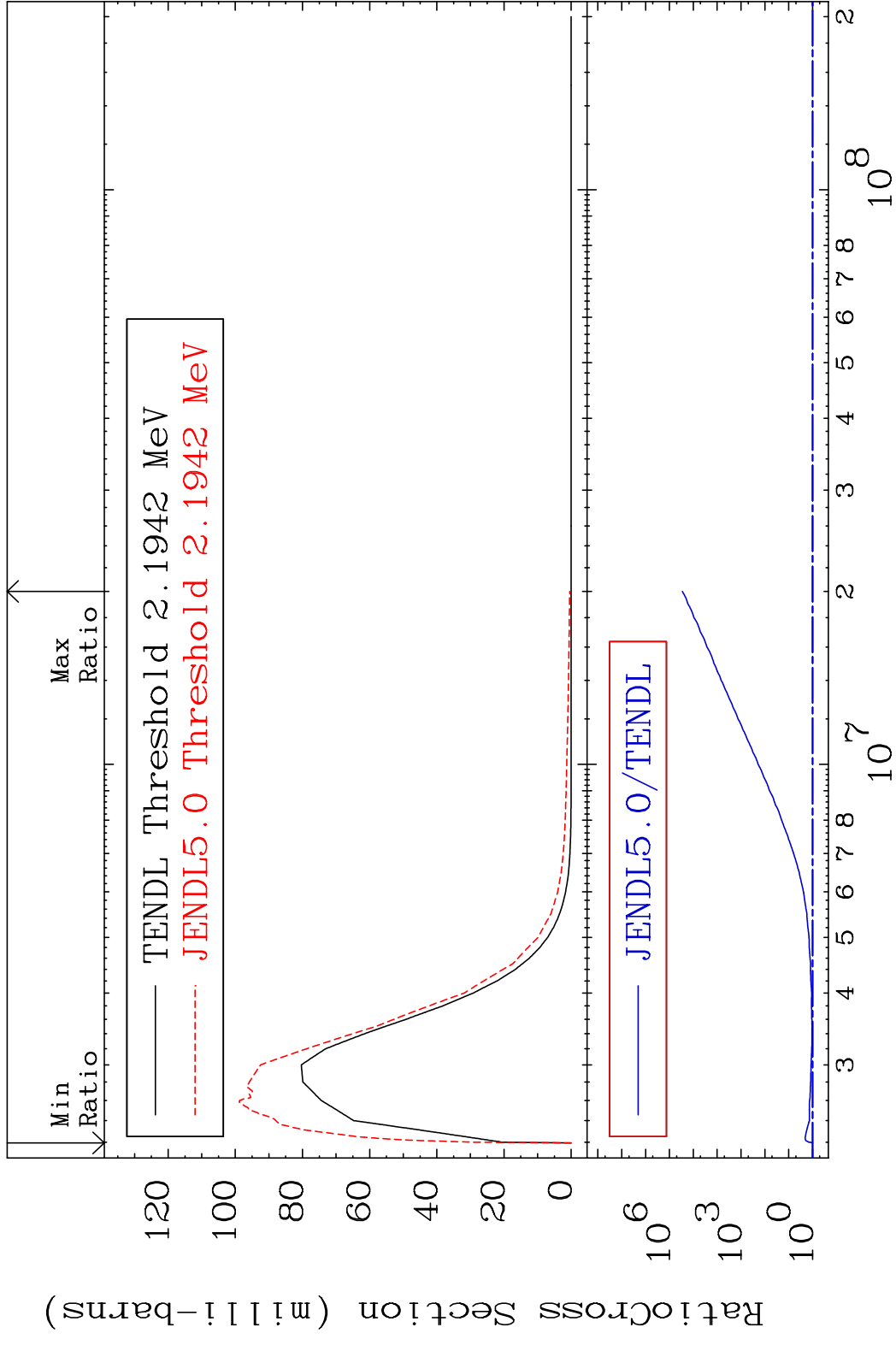
MAT 6031 MT= 58 (n, n') Level 60-Nd-144
 Cross Section -70.90 To 102.3 %



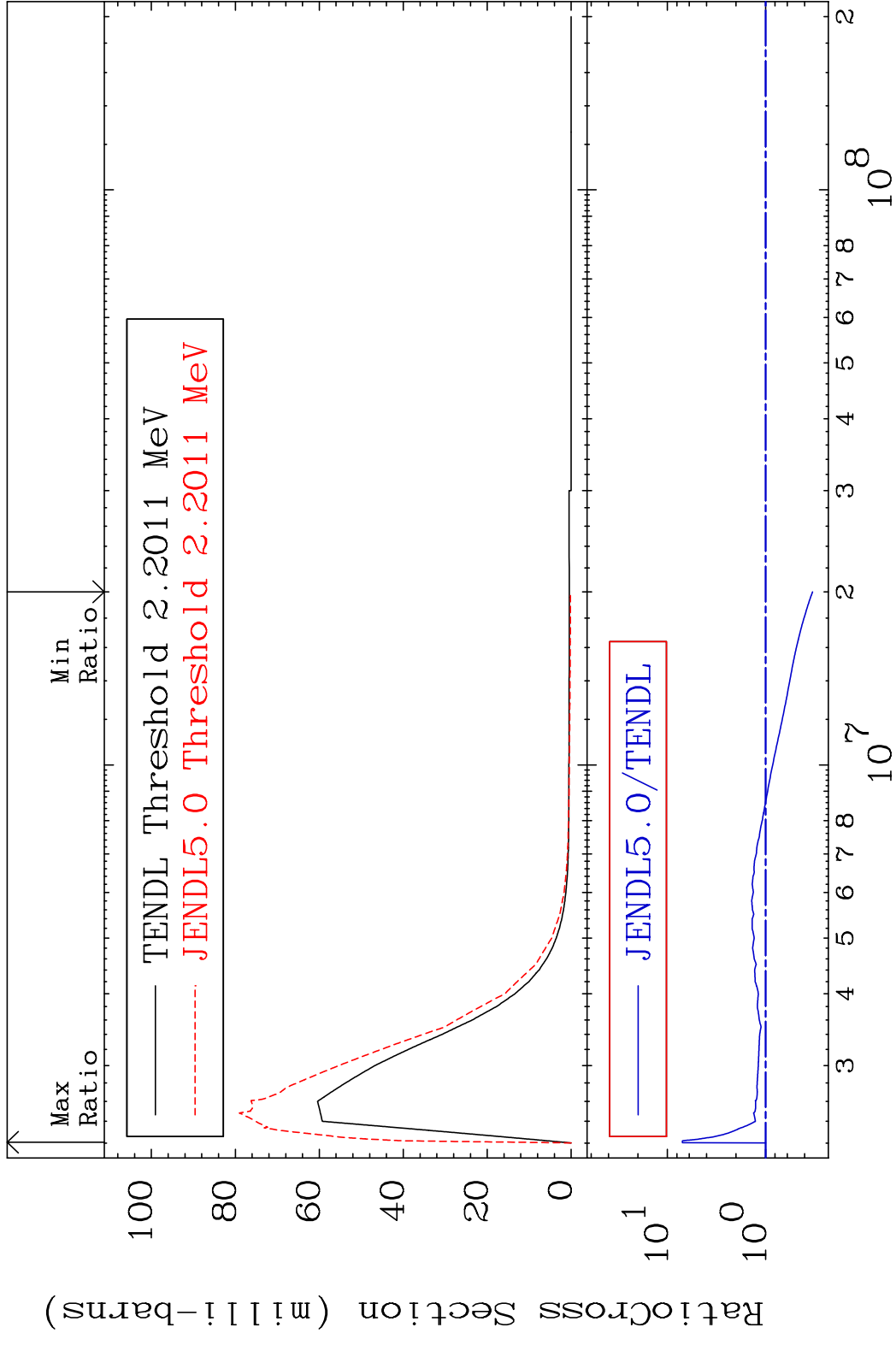
MAT 6031 MT= 59 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 65.55 %



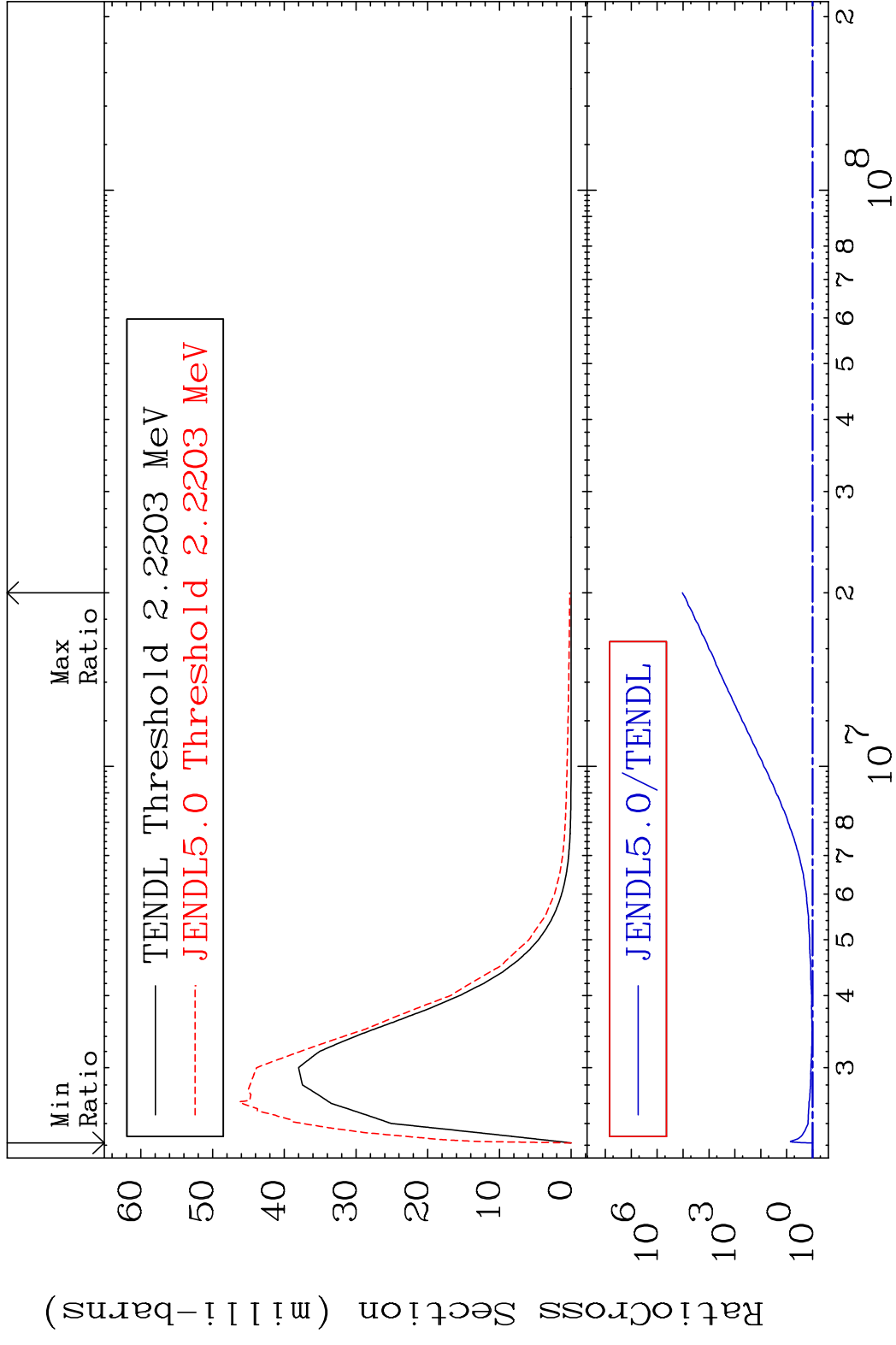
MAT 6031 MT= 60 (n, n') Level 60-Nd-144
 Cross Section 0.000 To 9999. %



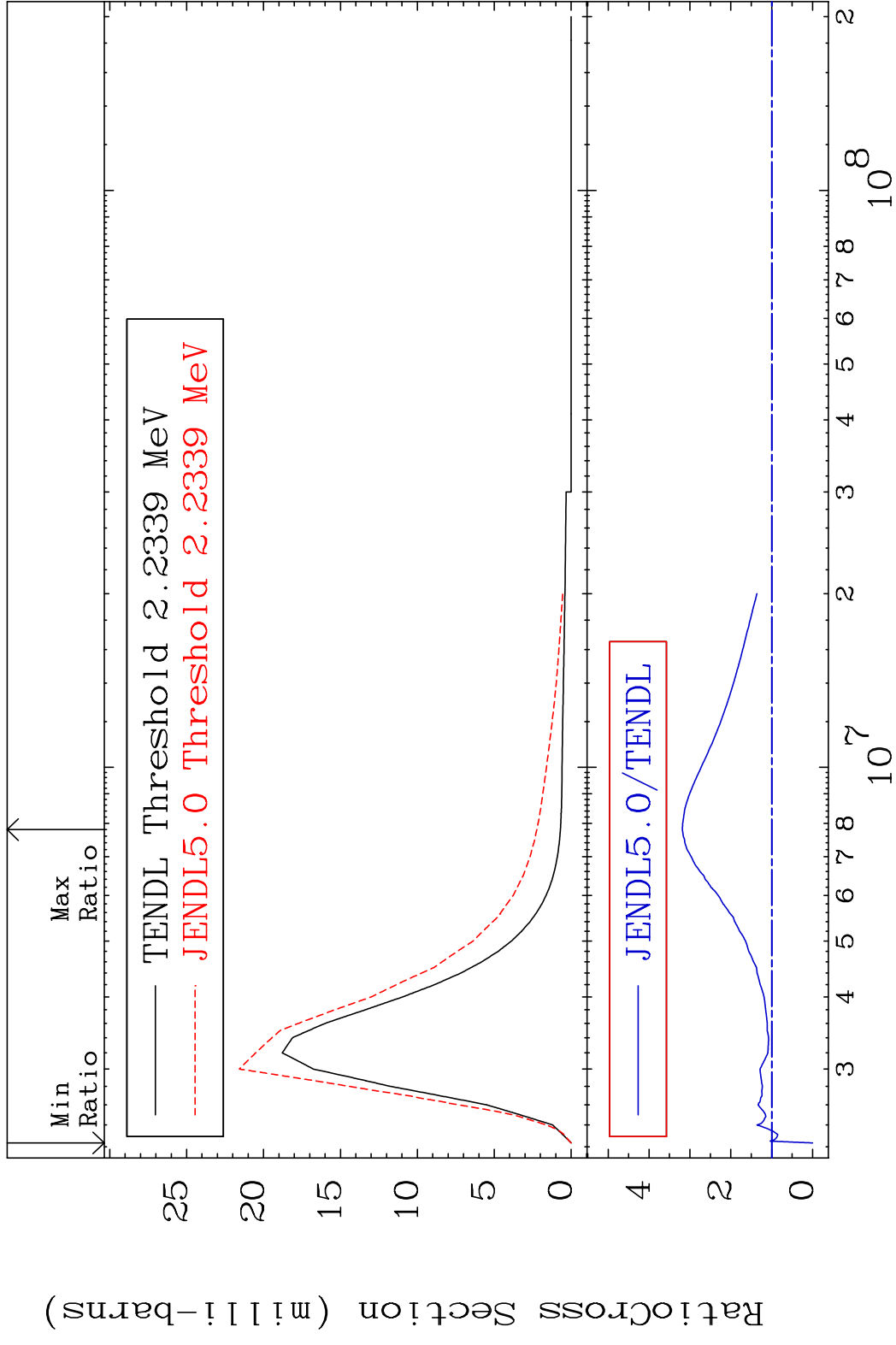
MAT 6031 MT= 61 (n,n') Level 60-Nd-144
 Cross Section -66.85 To 604.7 %



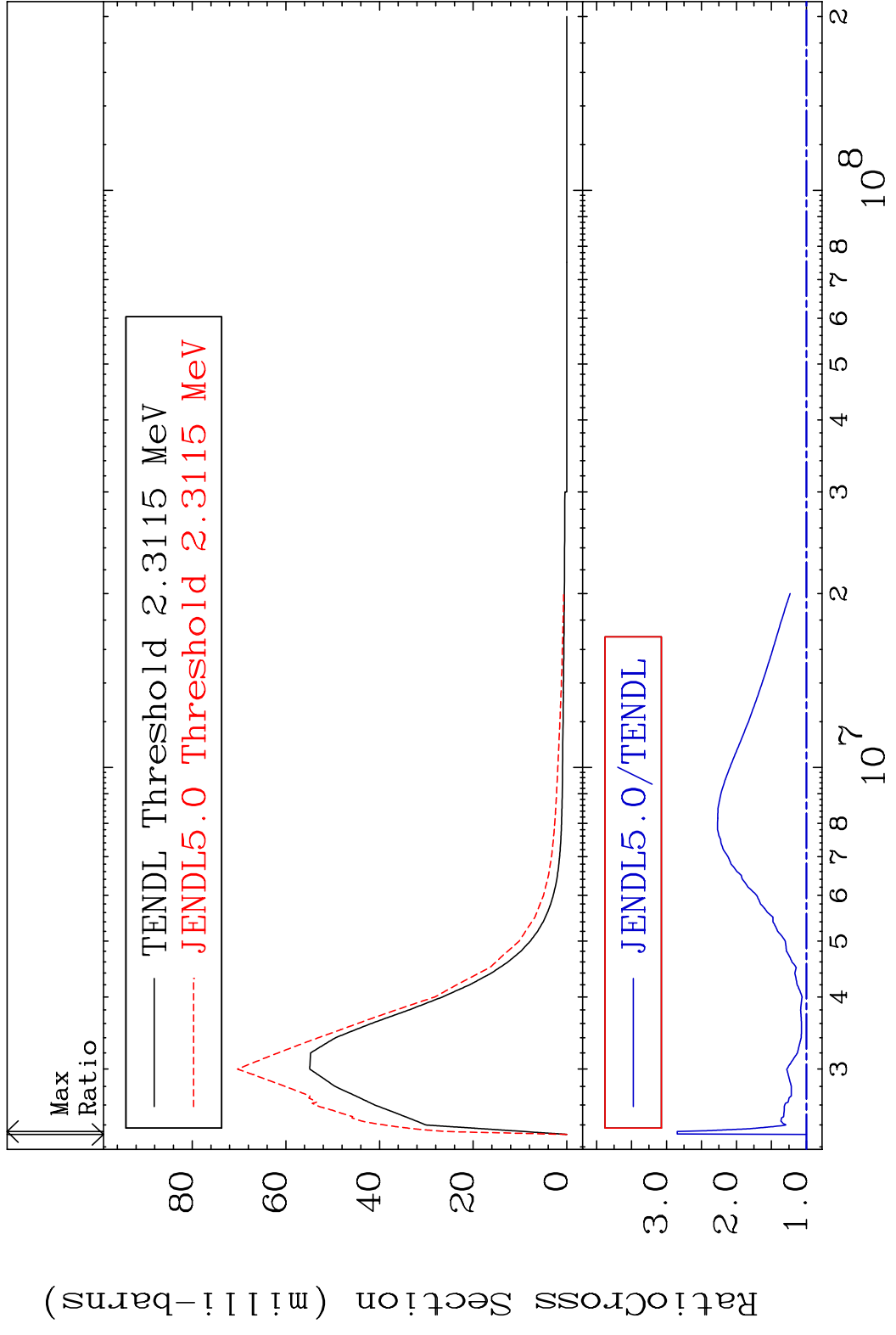
MAT 6031 MT= 62 (n, n') Level 60-Nd-144
 Cross Section 0.000 To 9999. %



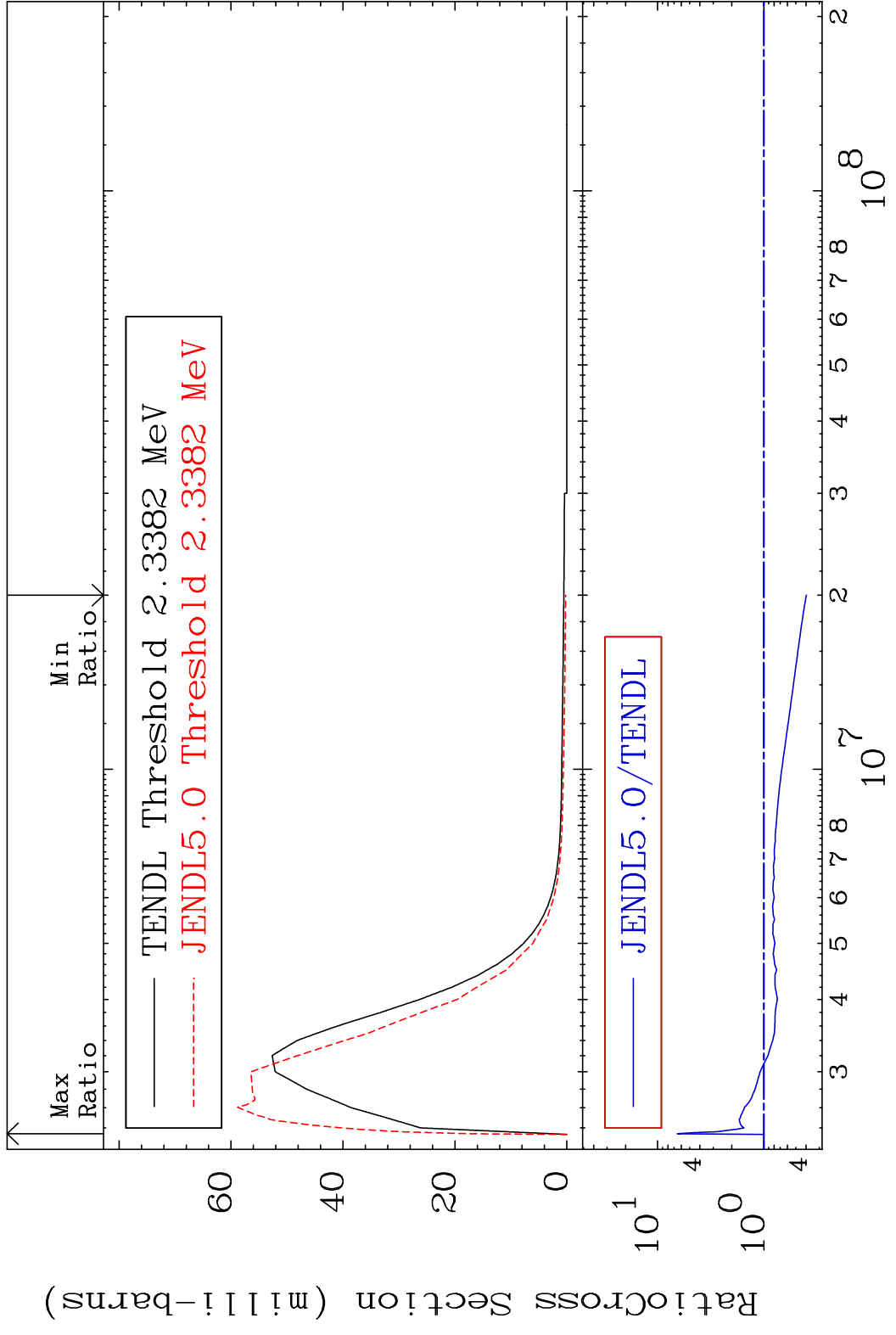
MAT 6031 MT= 63 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 218.5 %



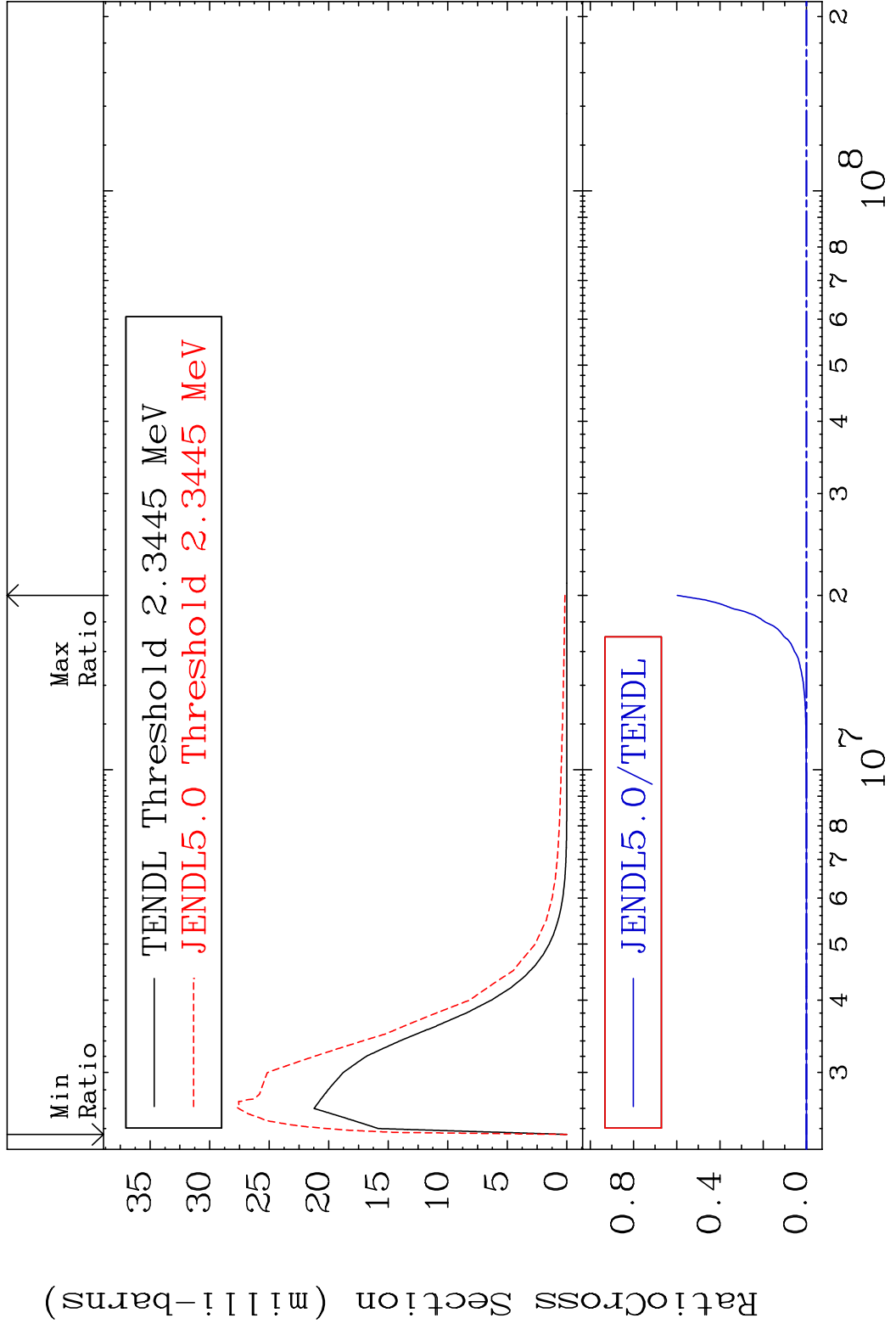
MAT 6031 MT= 64 (n,n') Level 60-Nd-144
 Cross Section 0.000 To 184.7 %



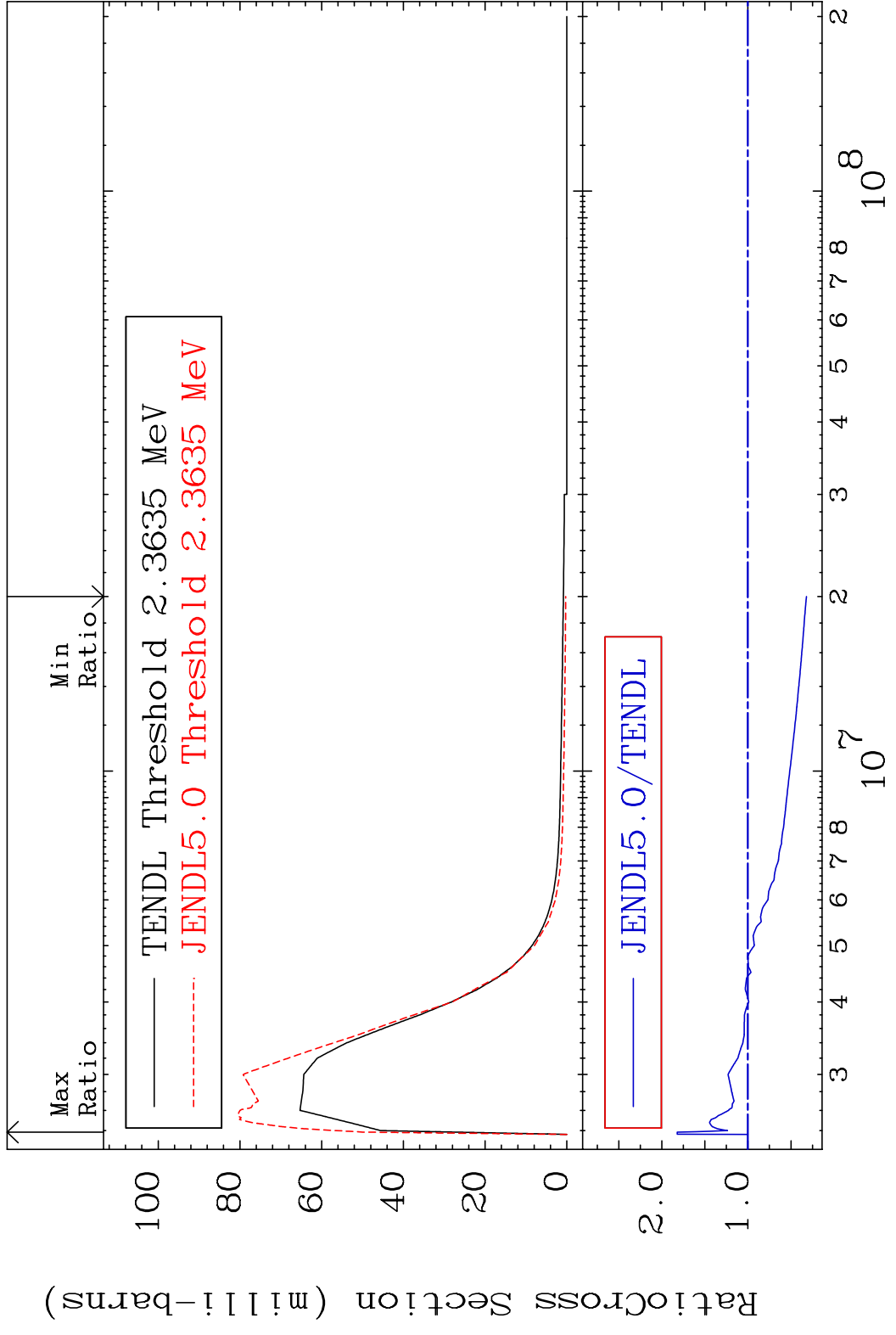
MAT 6031 MT= 65 (n,n') Level 60-Nd-144
 Cross Section -60.30 To 554.4 %



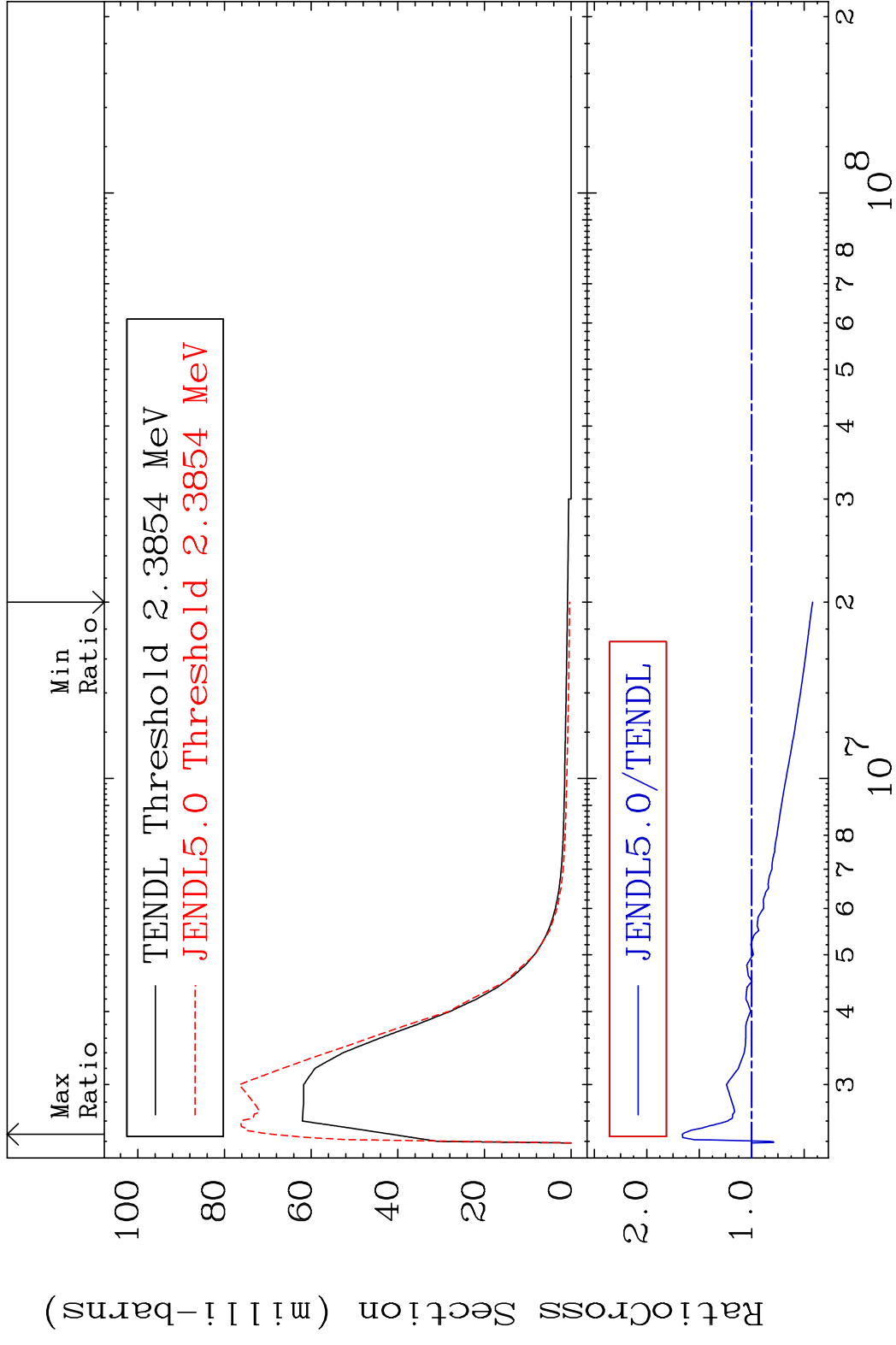
MAT 6031 MT= 66 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 9999. %



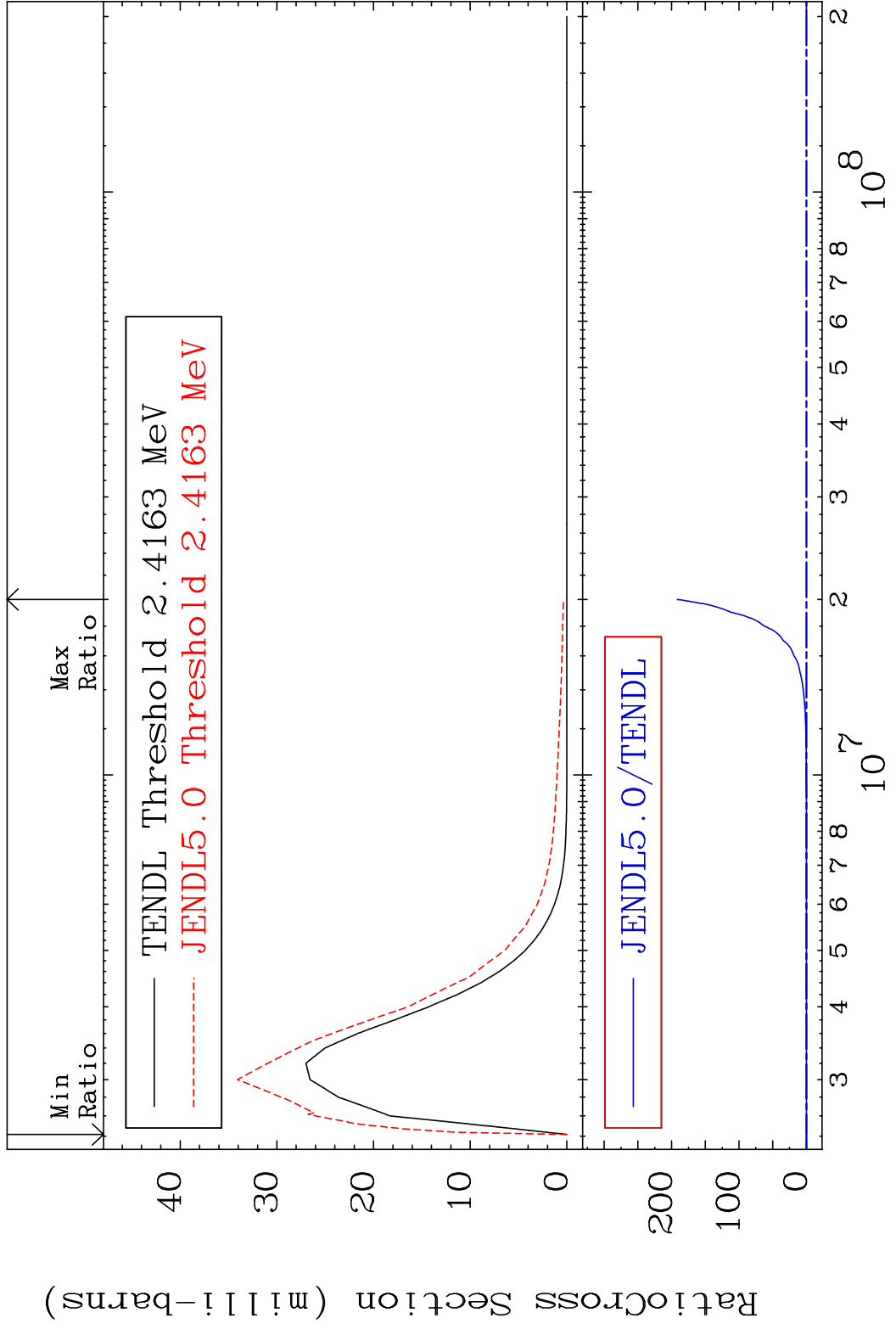
MAT 6031 MT= 67 (n,n') Level 60-Nd-144
 Cross Section -67.93 To 82.19 %



MAT 6031 MT= 68 (n,n') Level 60-Nd-144
 Cross Section -57.97 To 66.12 %



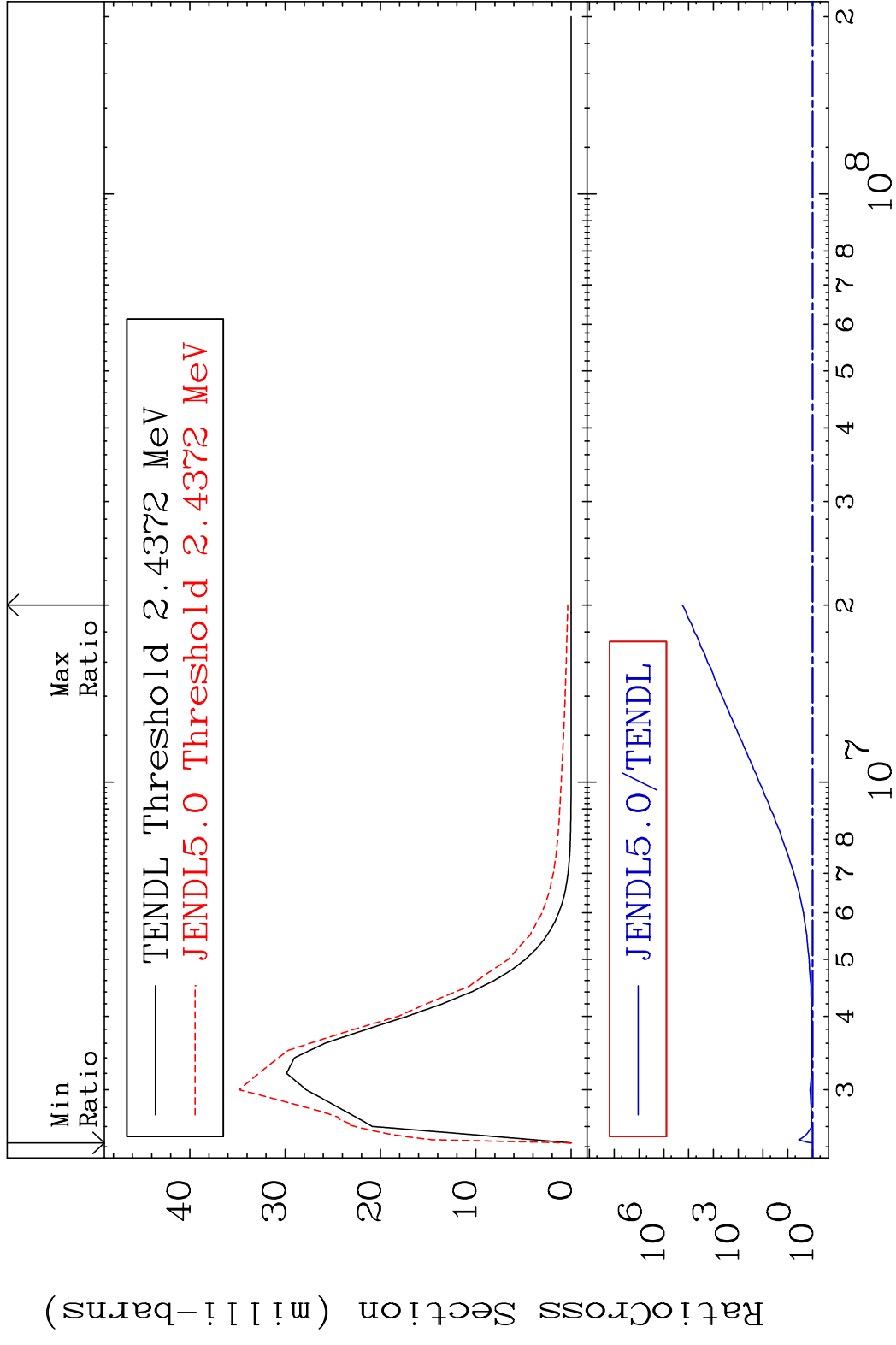
MAT 6031 MT= 69 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 9999. %



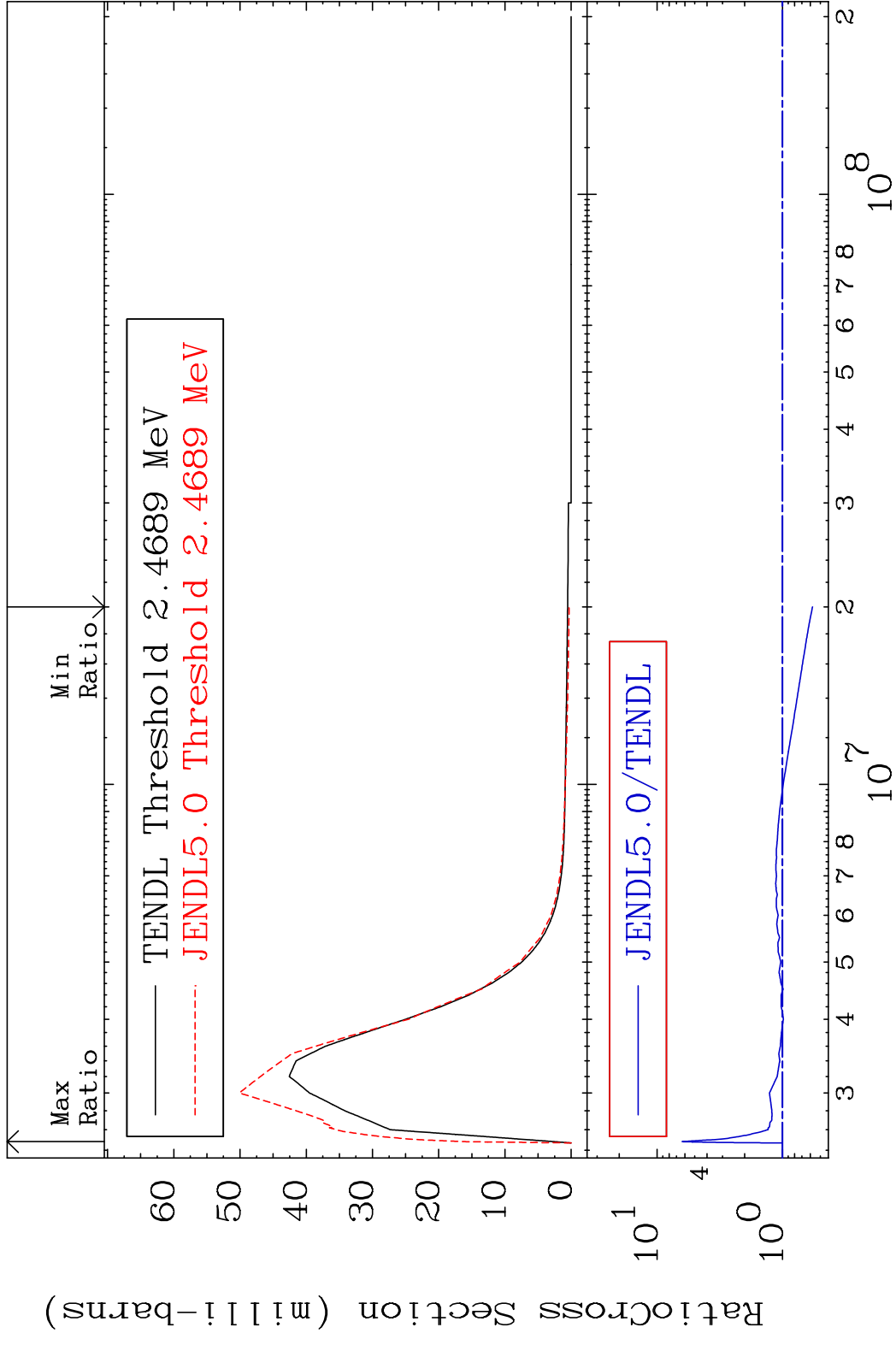
30

60-Nd-144

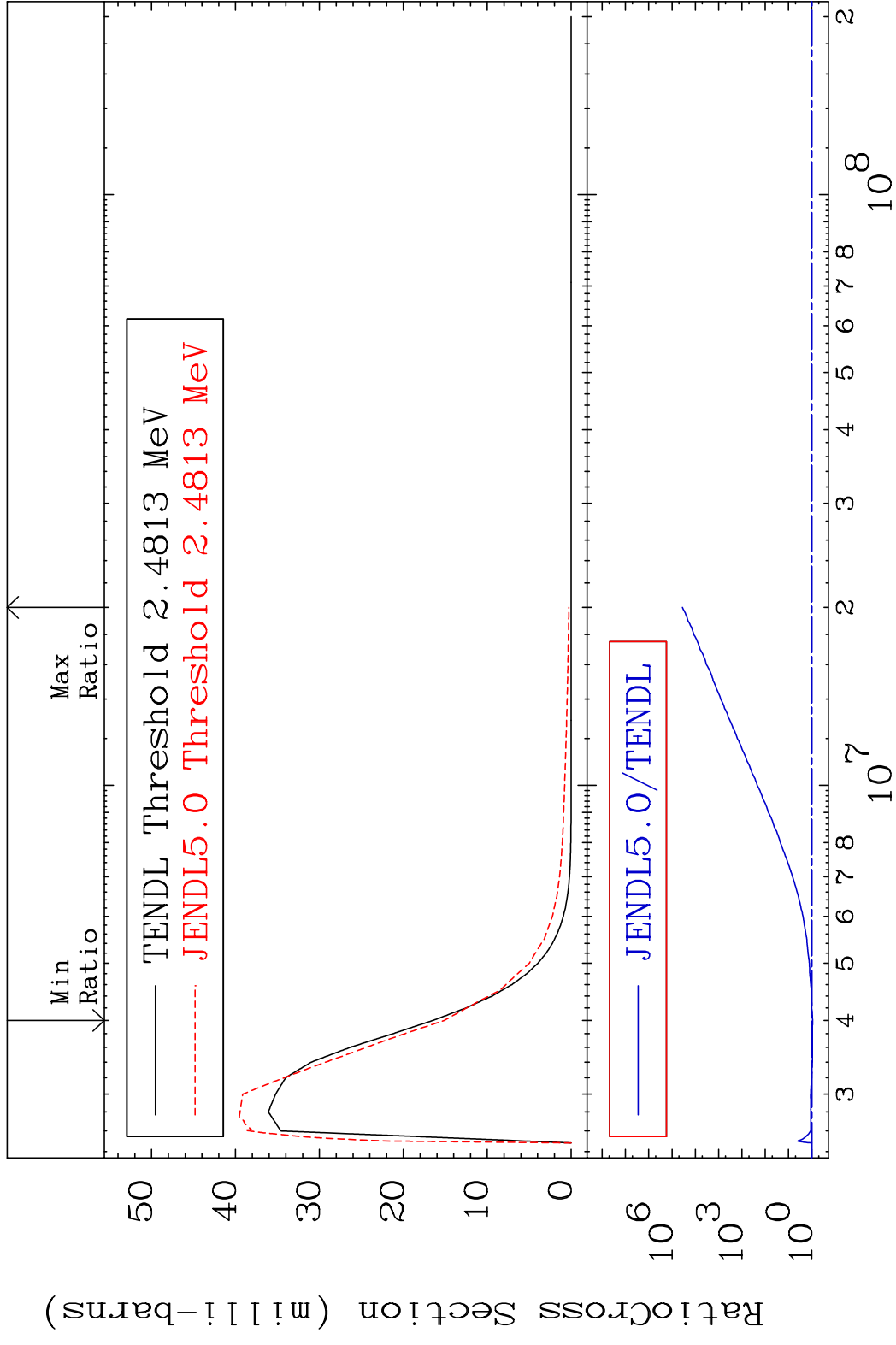
MAT 6031 MT= 70 (n, n') Level 60-Nd-144
 Cross Section 0.000 To 9999. %



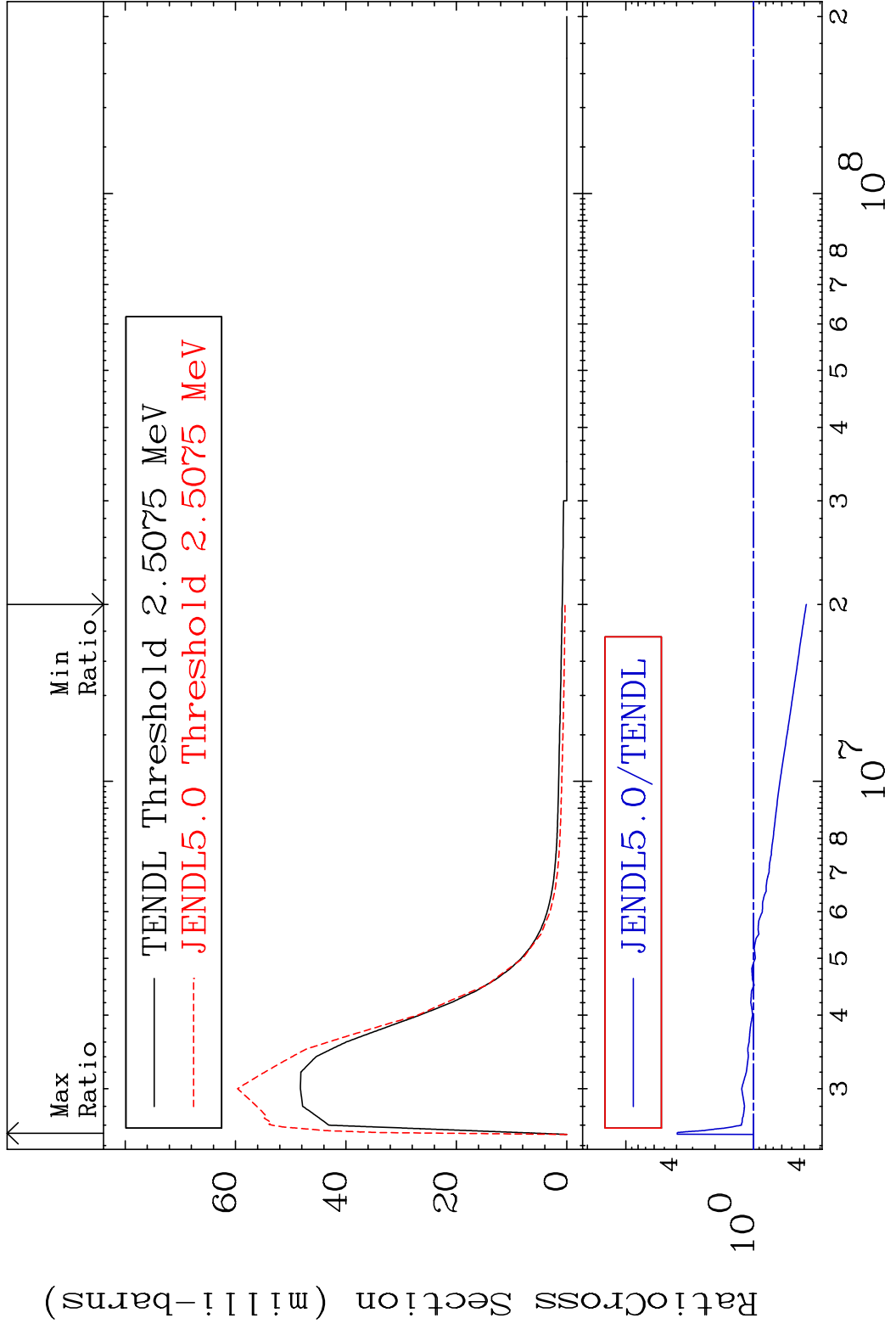
MAT 6031 MT= 71 (n, n') Level 60-Nd-144
 Cross Section -42.39 To 527.7 %



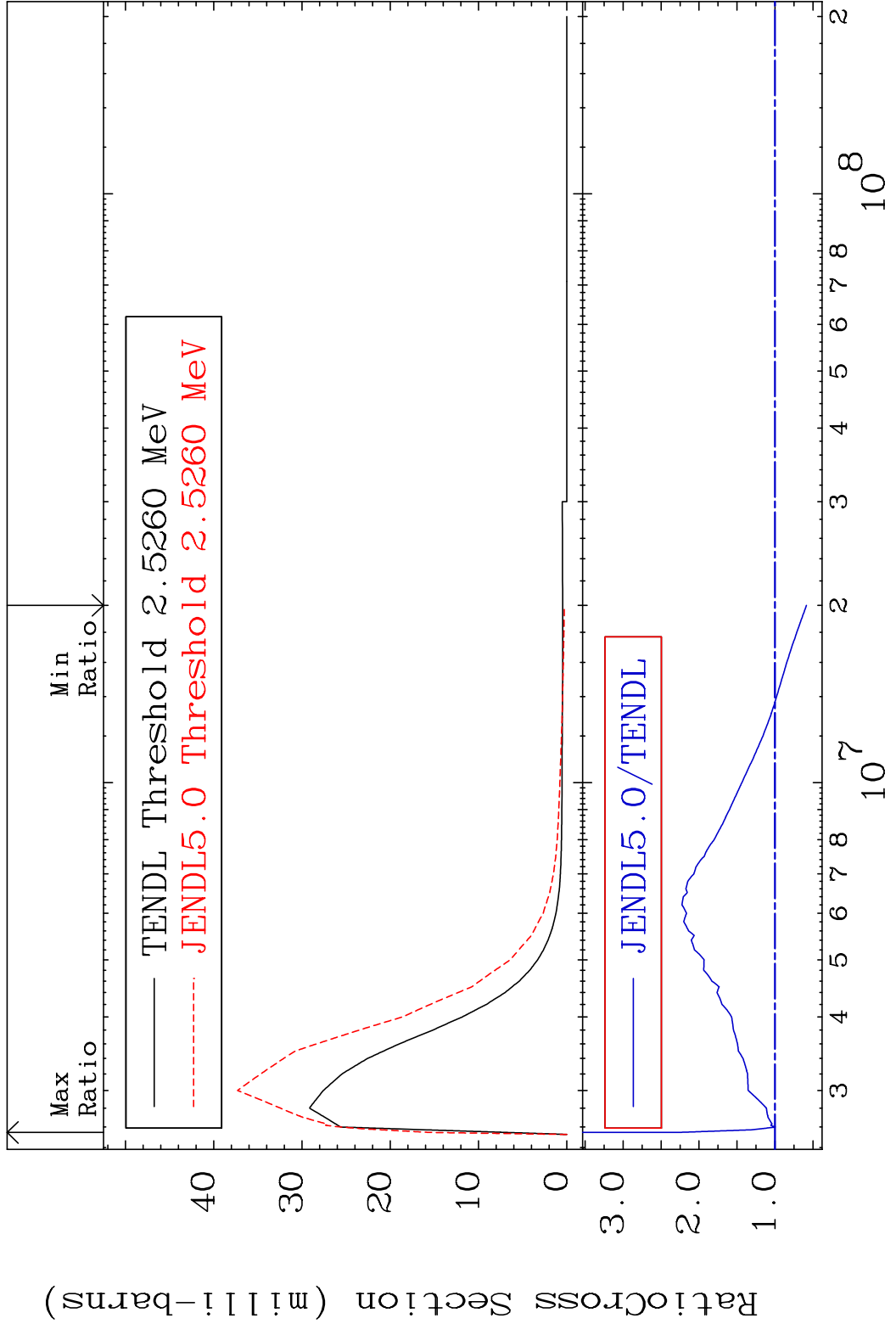
MAT 6031 MT= 72 (n, n') Level 60-Nd-144
 Cross Section -8.137 To 9999. %



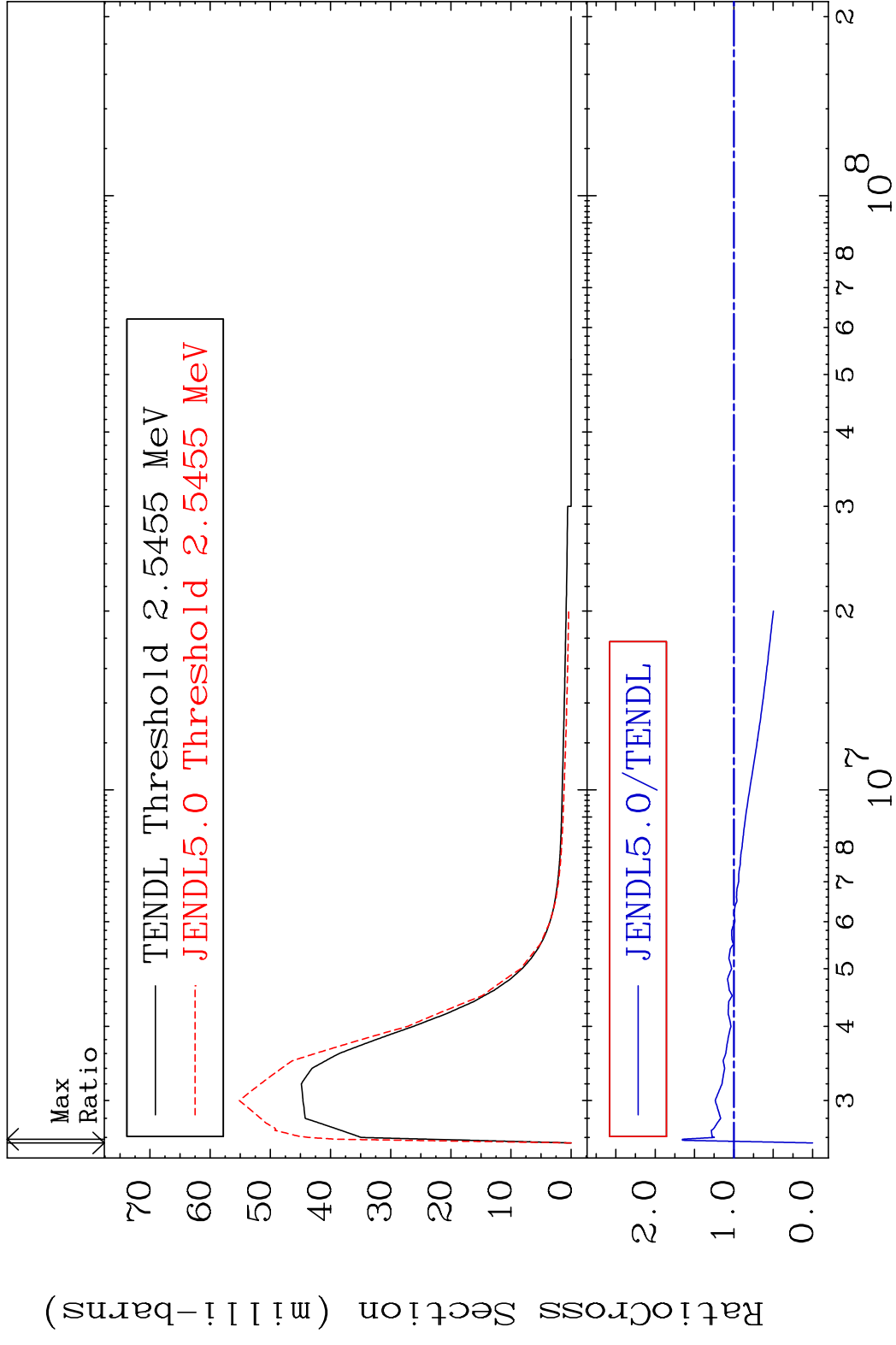
MAT 6031 MT= 73 (n, n') Level 60-Nd-144
 Cross Section -61.57 To 295.6 %



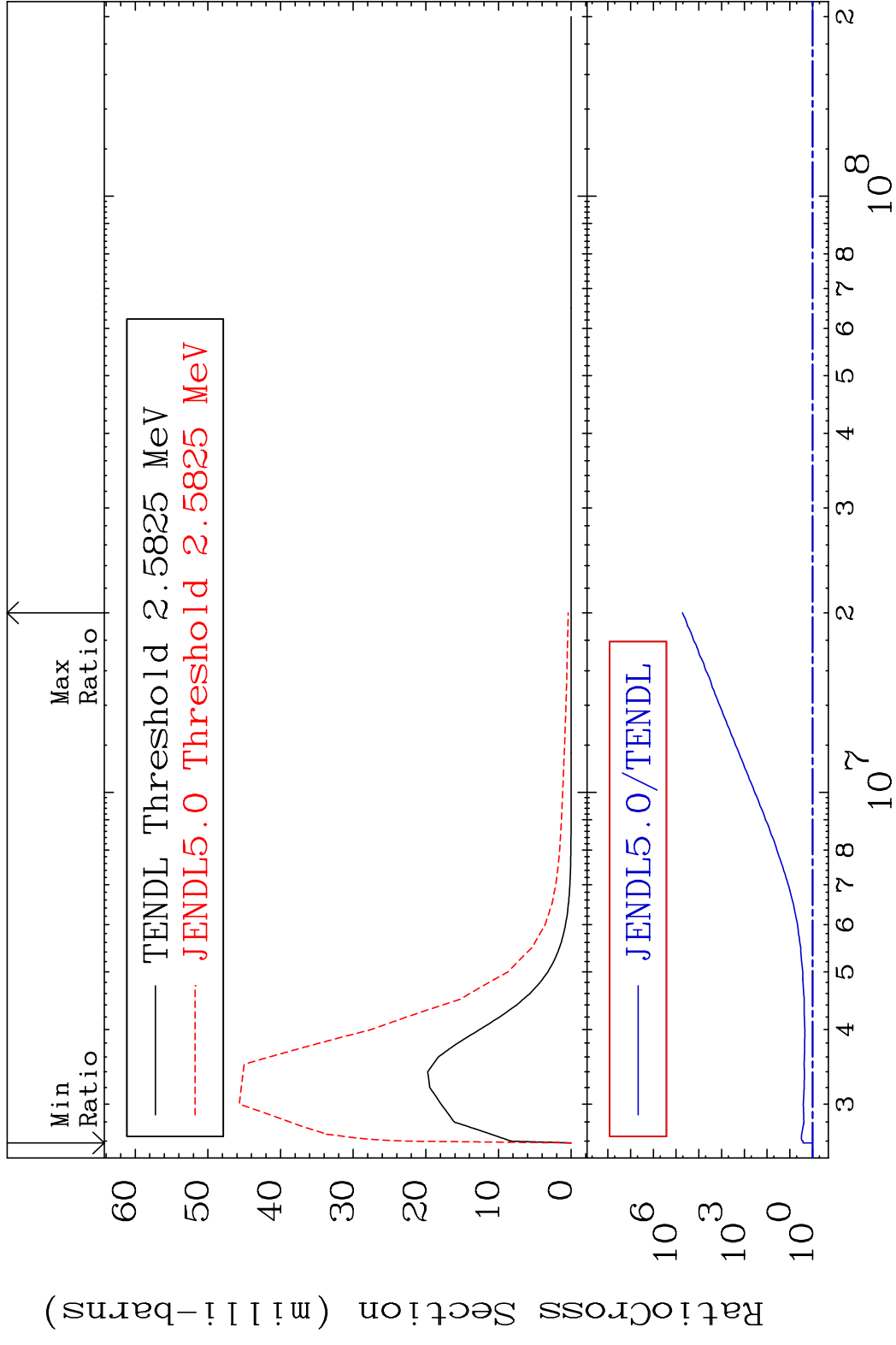
MAT 6031 MT= 74 (n, n') Level 60-Nd-144
 Cross Section -41.39 To 128.8 %



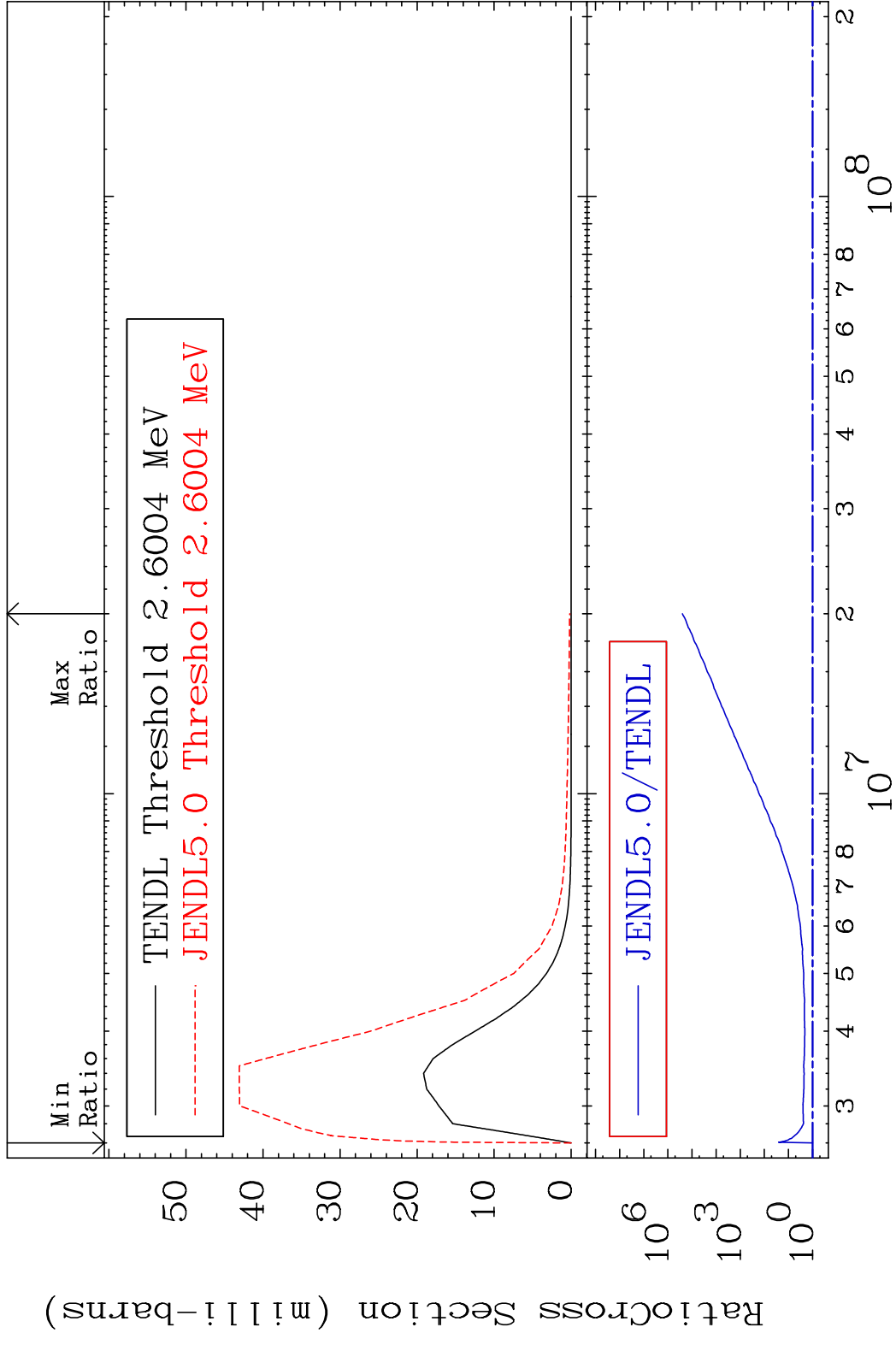
MAT 6031 MT= 75 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 65.43 %



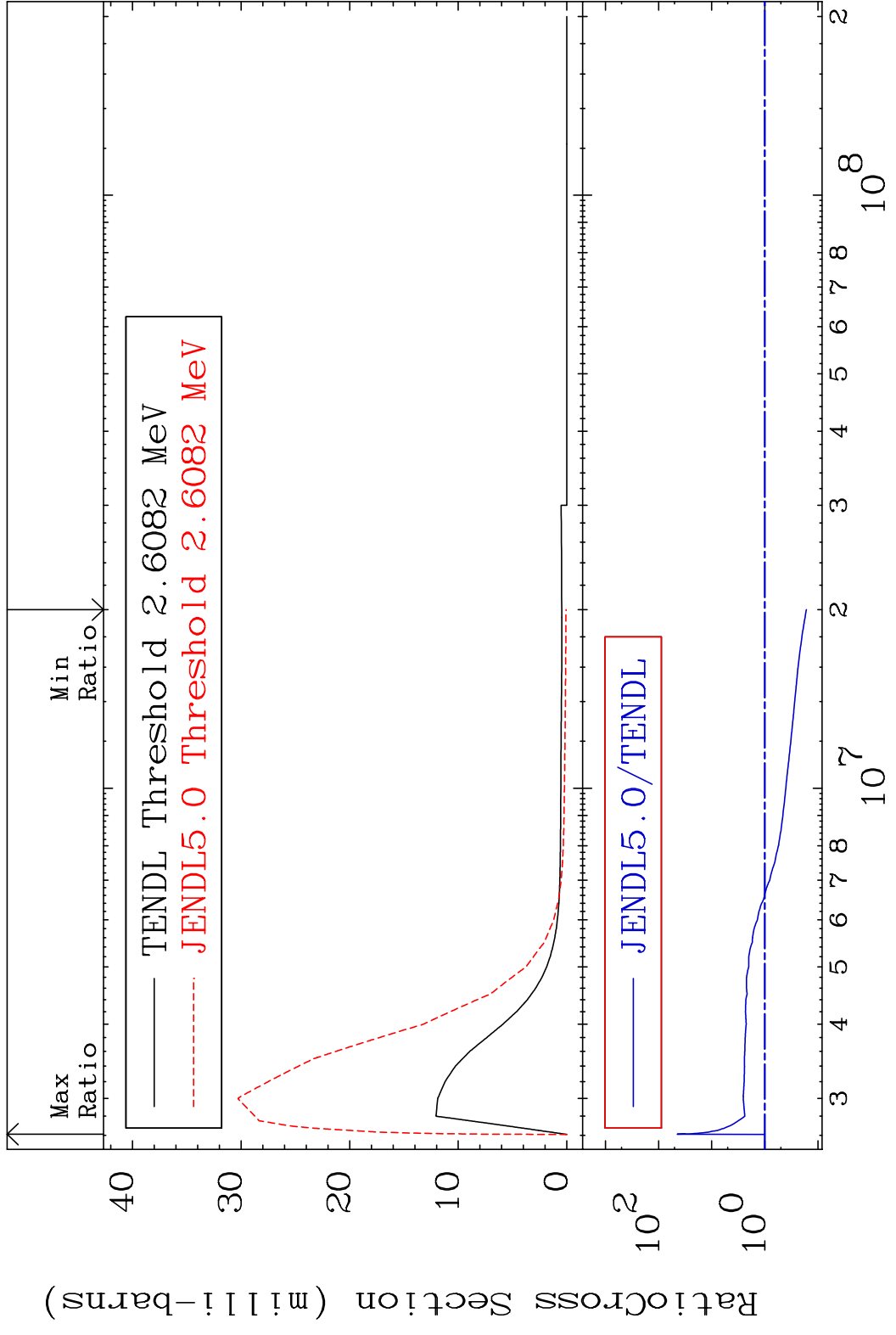
MAT 6031 MT= 76 (n, n') Level 60-Nd-144
 Cross Section 0.000 To 9999. %



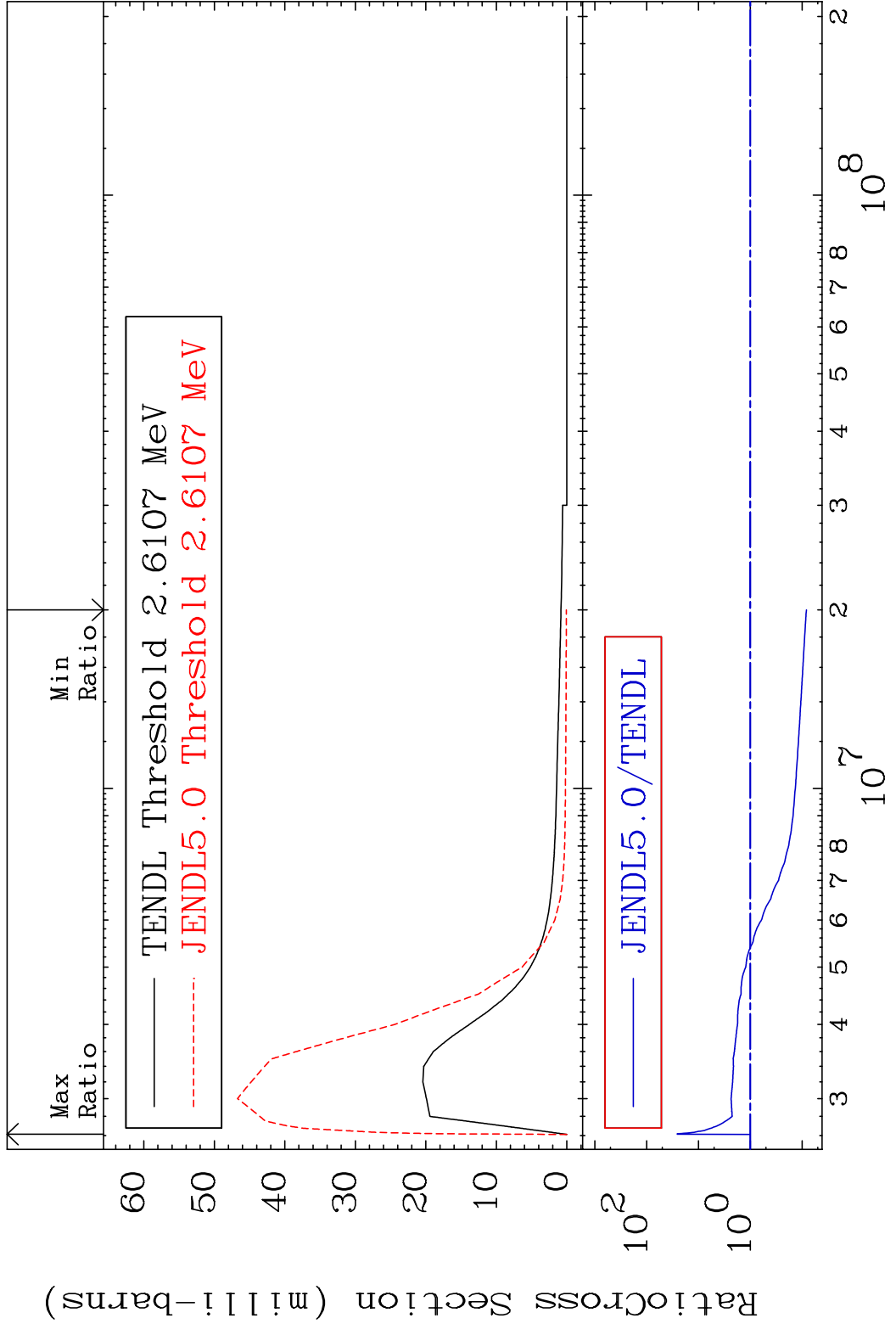
MAT 6031 MT= 77 (n, n') Level 60-Nd-144
 Cross Section 0.000 To 9999. %



MAT 6031 MT= 78 (n,n') Level 60-Nd-144
 Cross Section -83.51 To 4364. %

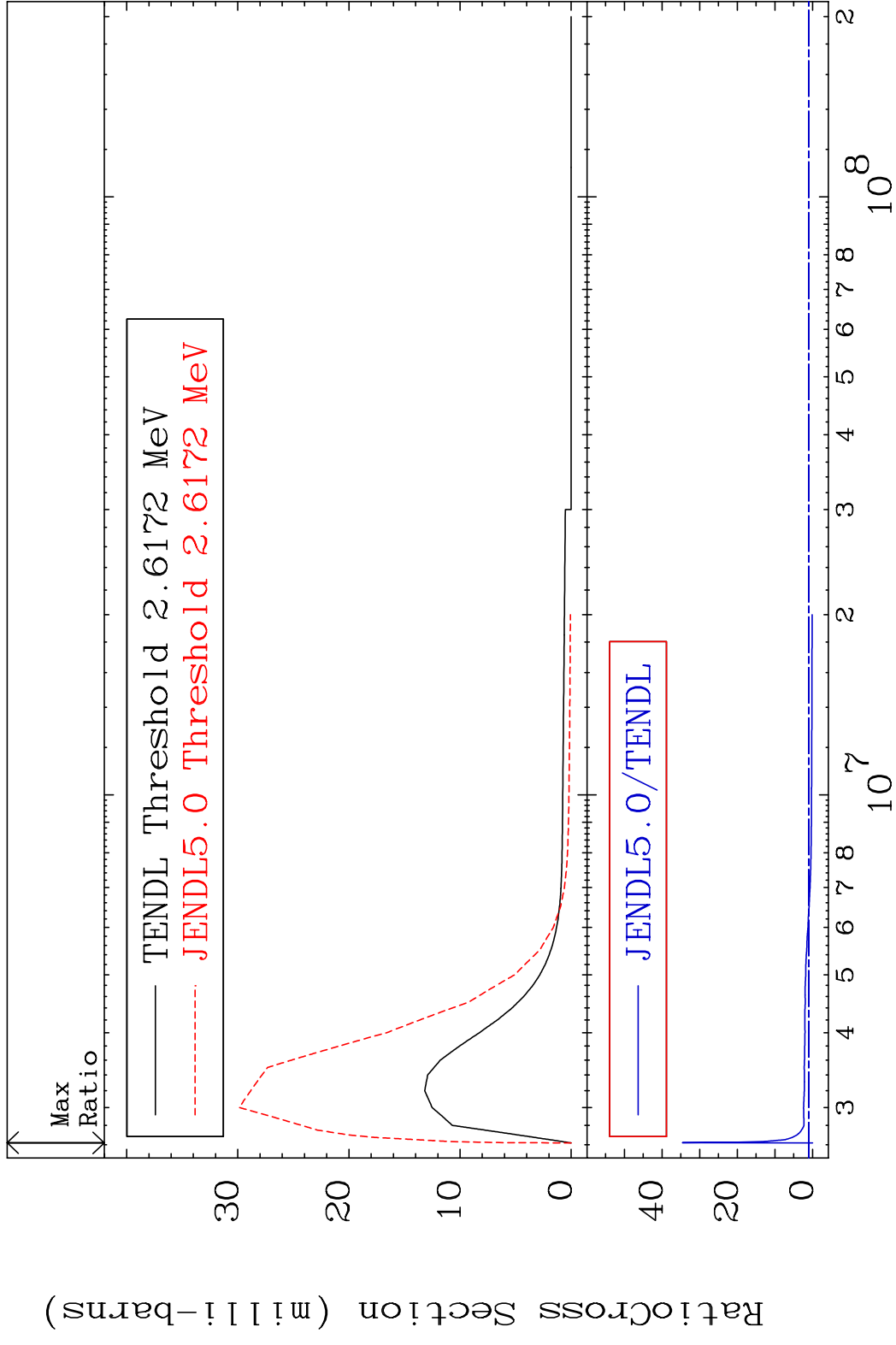


MAT 6031 MT= 79 (n,n') Level 60-Nd-144
 Cross Section -91.72 To 2472. %



40 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 80 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 3359. %

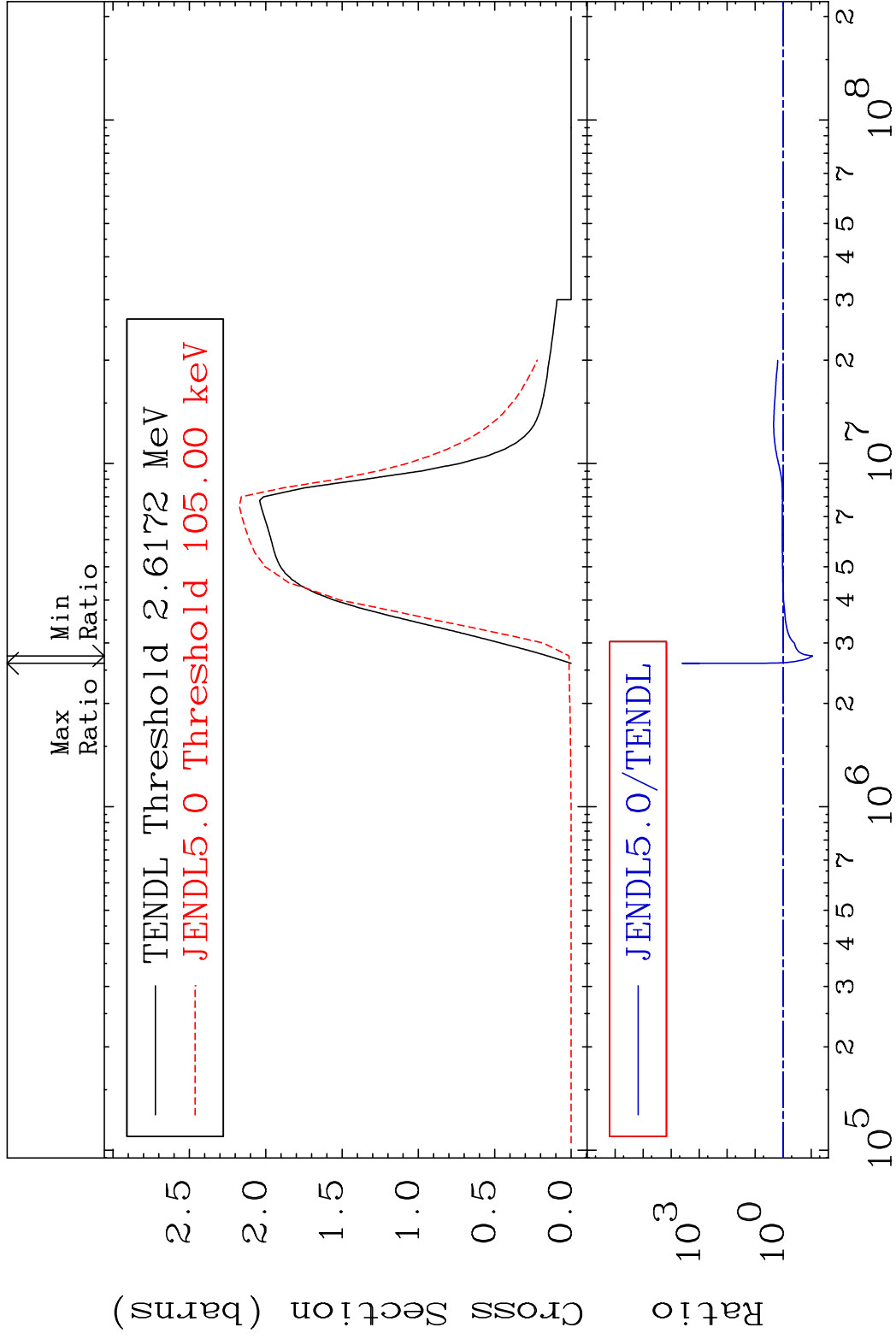


MAT 6031

(n,n') Continuum

60-Nd-144

Cross Section -91.07 To 9999. %



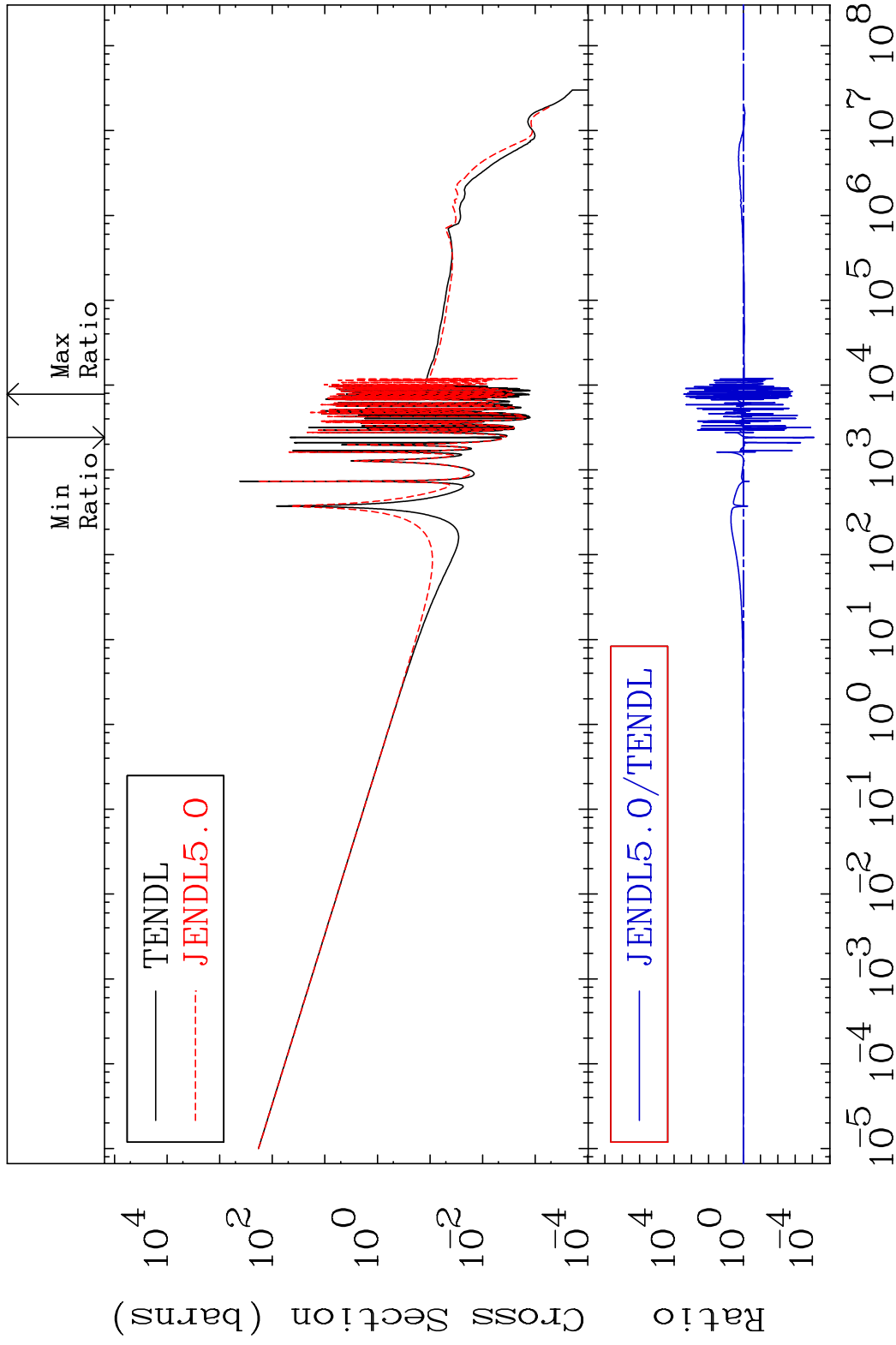
42

Incident Energy (eV)

60-Nd-144

MAT 6031

(n, γ)
Cross Section -99.99 To 9999. %
60-Nd-144



43

Incident Energy (eV)

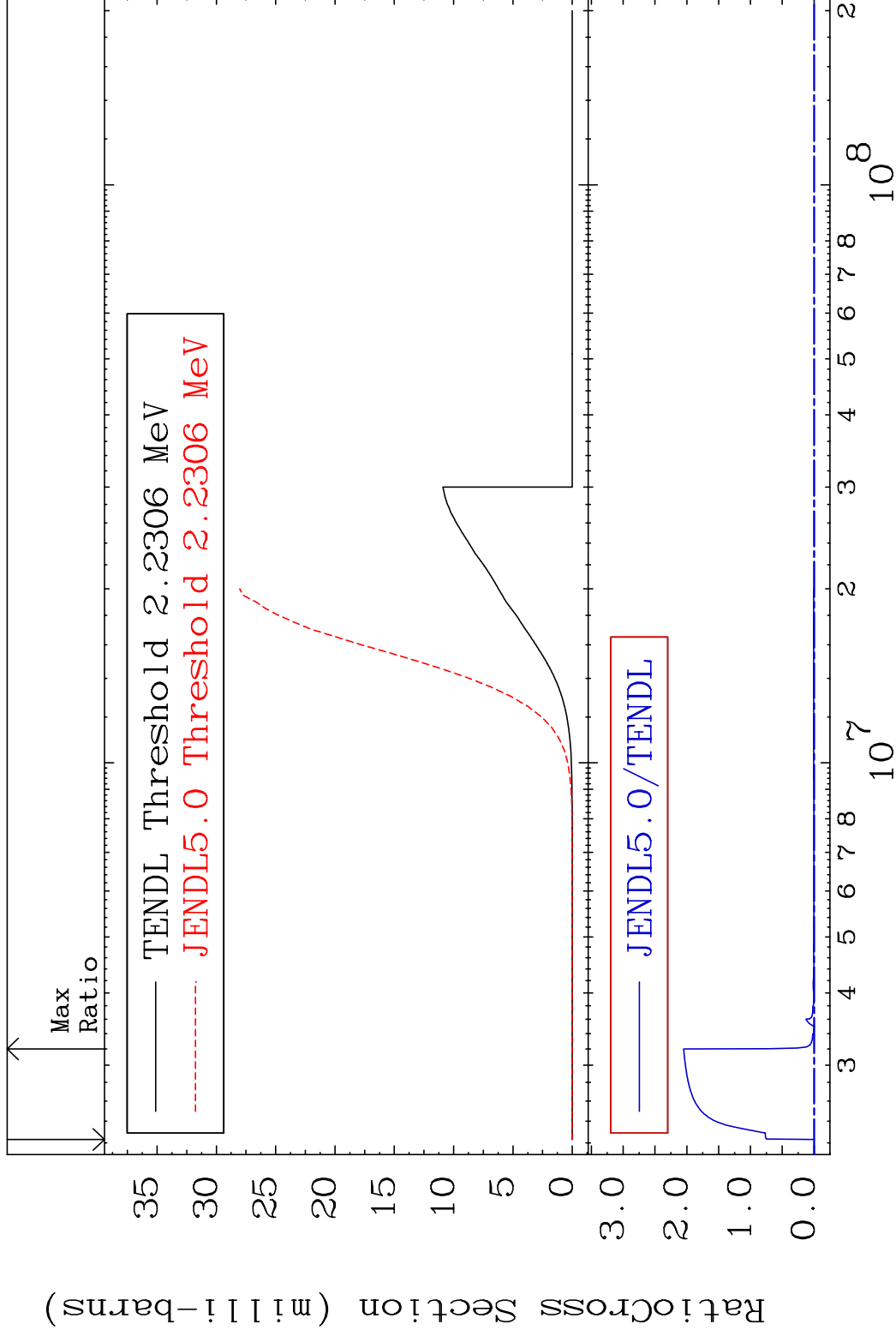
60-Nd-144

MAT 6031

(n,p)

60-Nd-144

Cross Section -100.0 To 9999. %

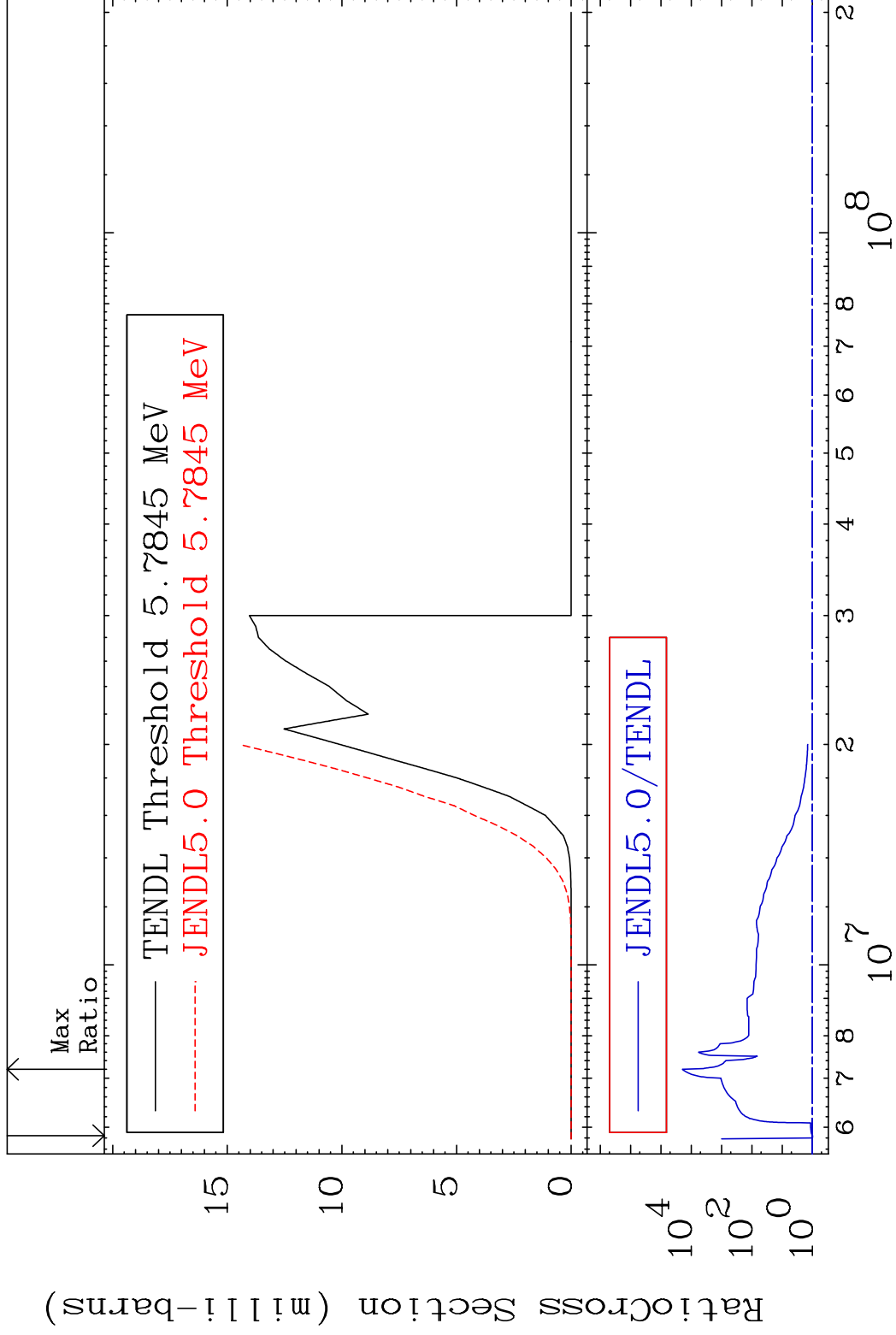


MAT 6031

(n,d)

60-Nd-144

Cross Section -0.599 To 9999. %



45

Incident Energy (eV)

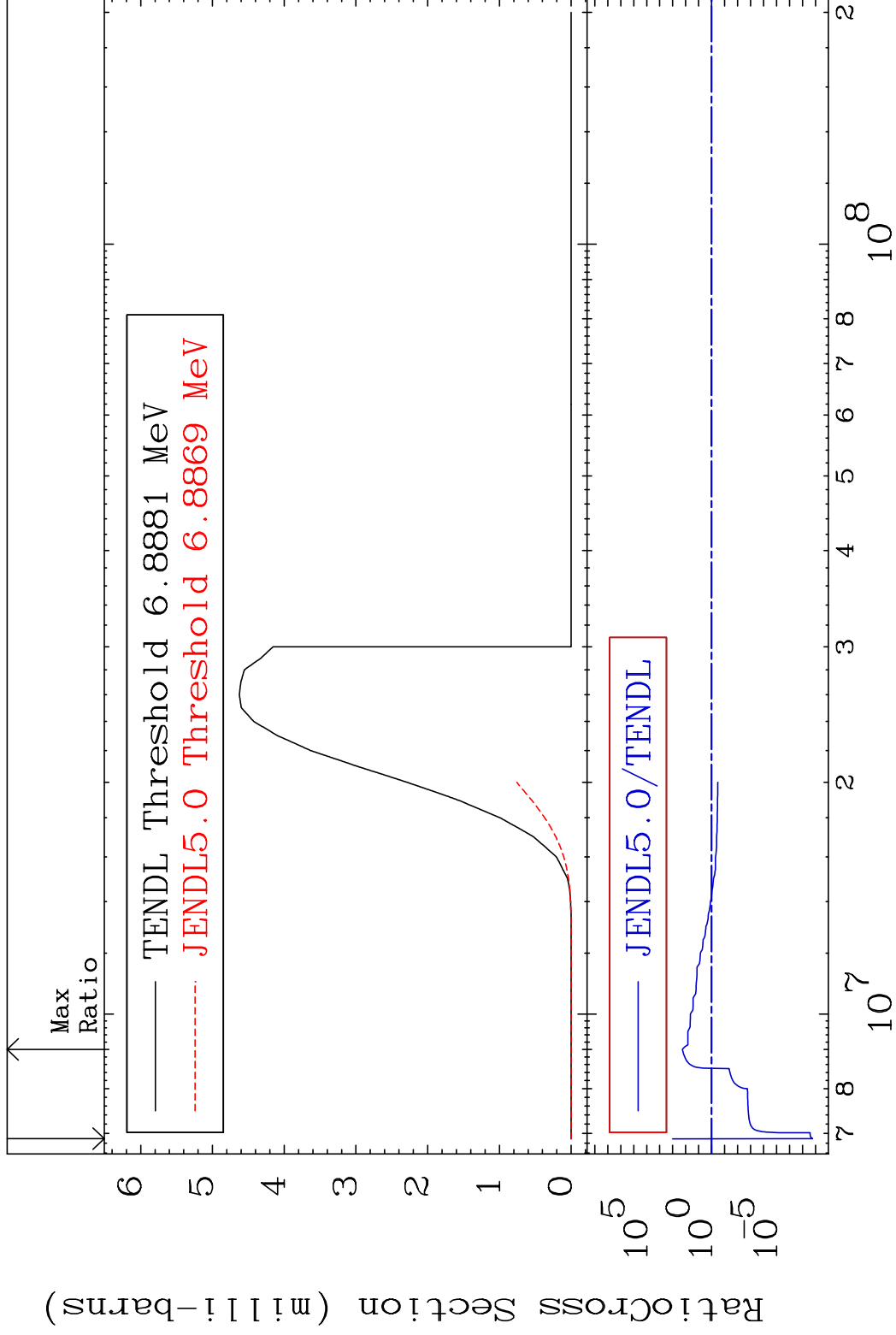
60-Nd-144

MAT 6031

(n, t)

60-Nd-144

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

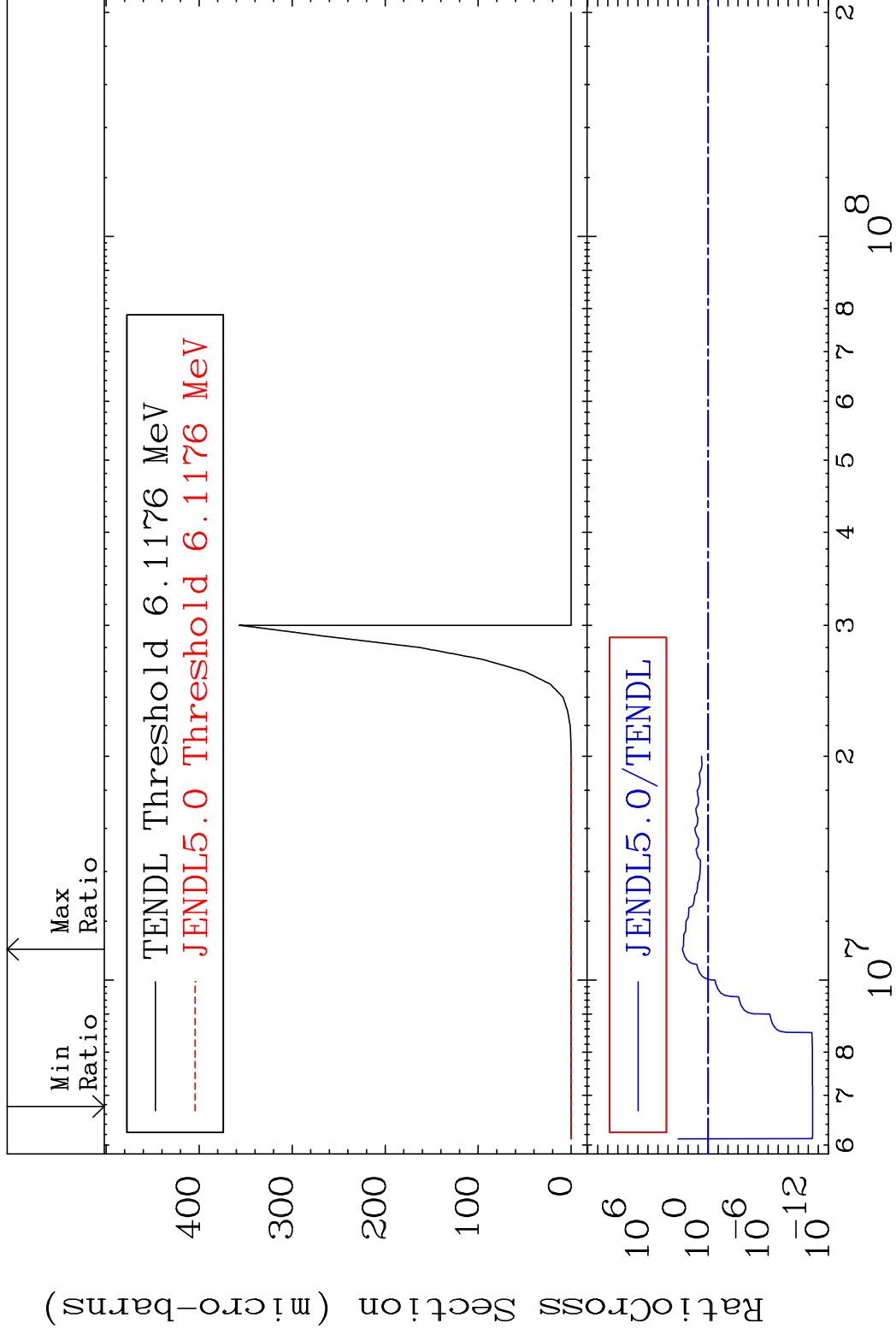
60-Nd-144

MAT 6031

(n, He-3)

60-Nd-144

Cross Section -100.0 To 9999. %



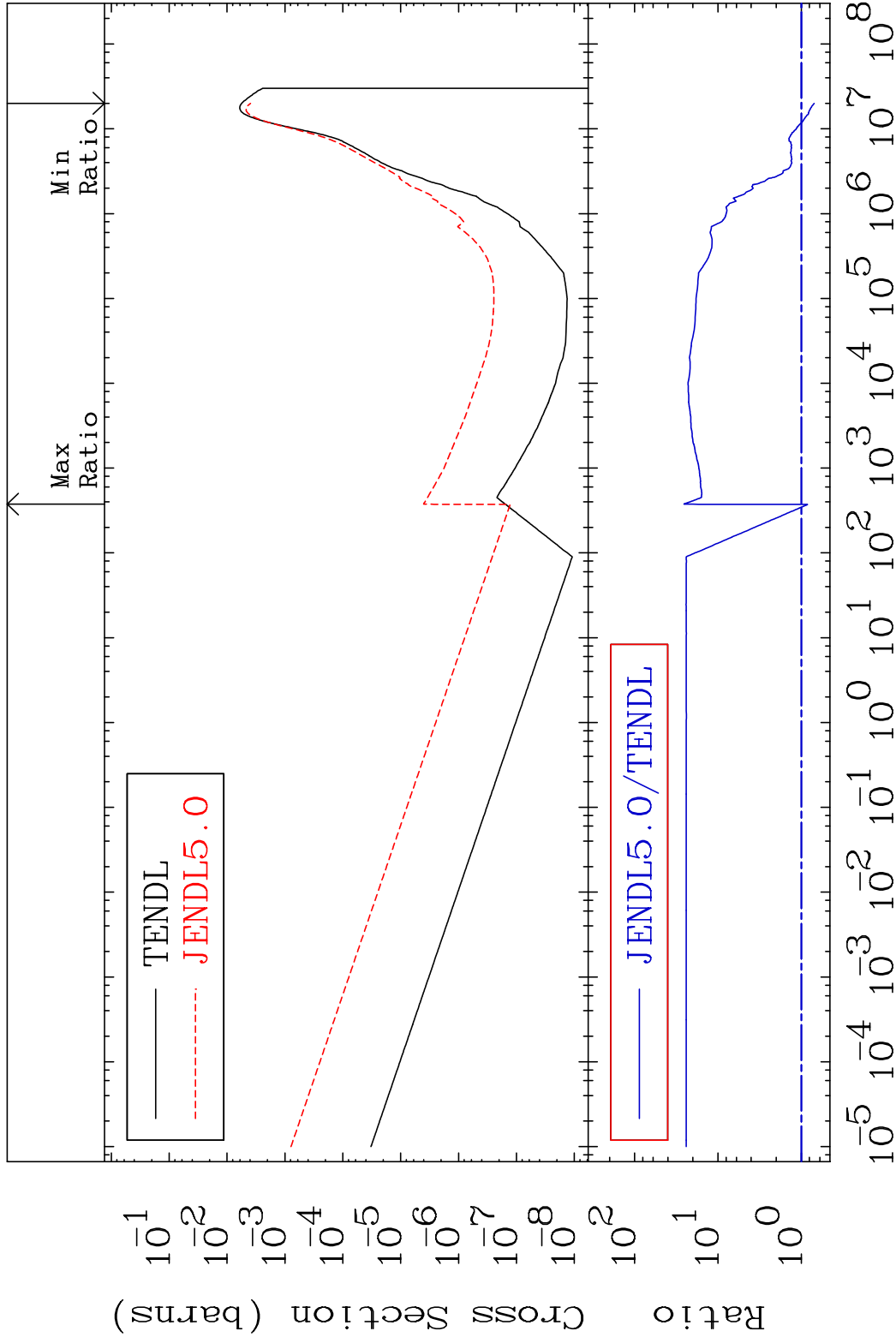
47

Incident Energy (eV)

60-Nd-144

MAT 6031

(n, α)
Cross Section -29.66 To 2484. %
60-Nd-144



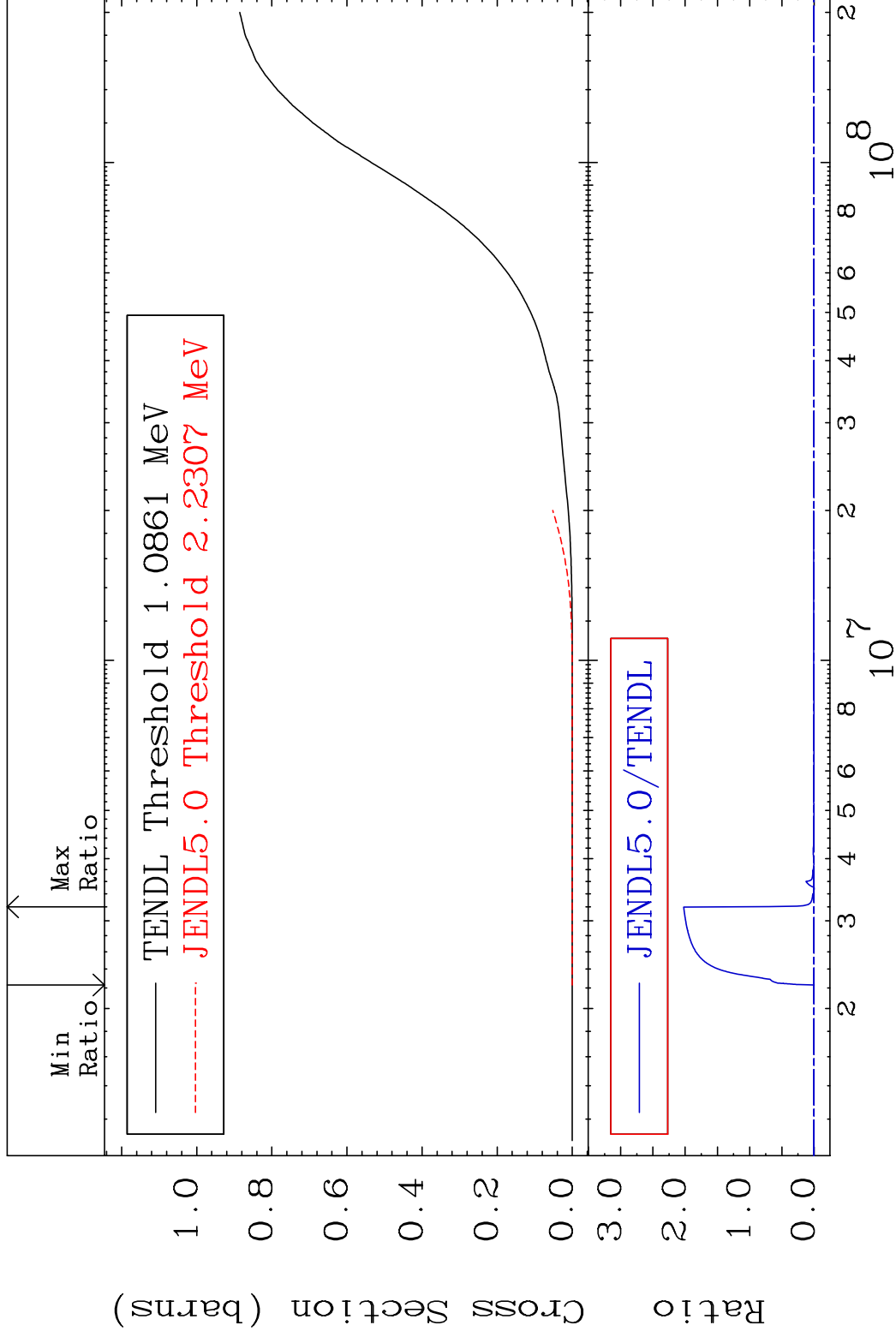
48

Incident Energy (eV) 60-Nd-144

MAT 6031

Hydrogen Production 60-Nd-144

Cross Section -100.0 To 9999. %

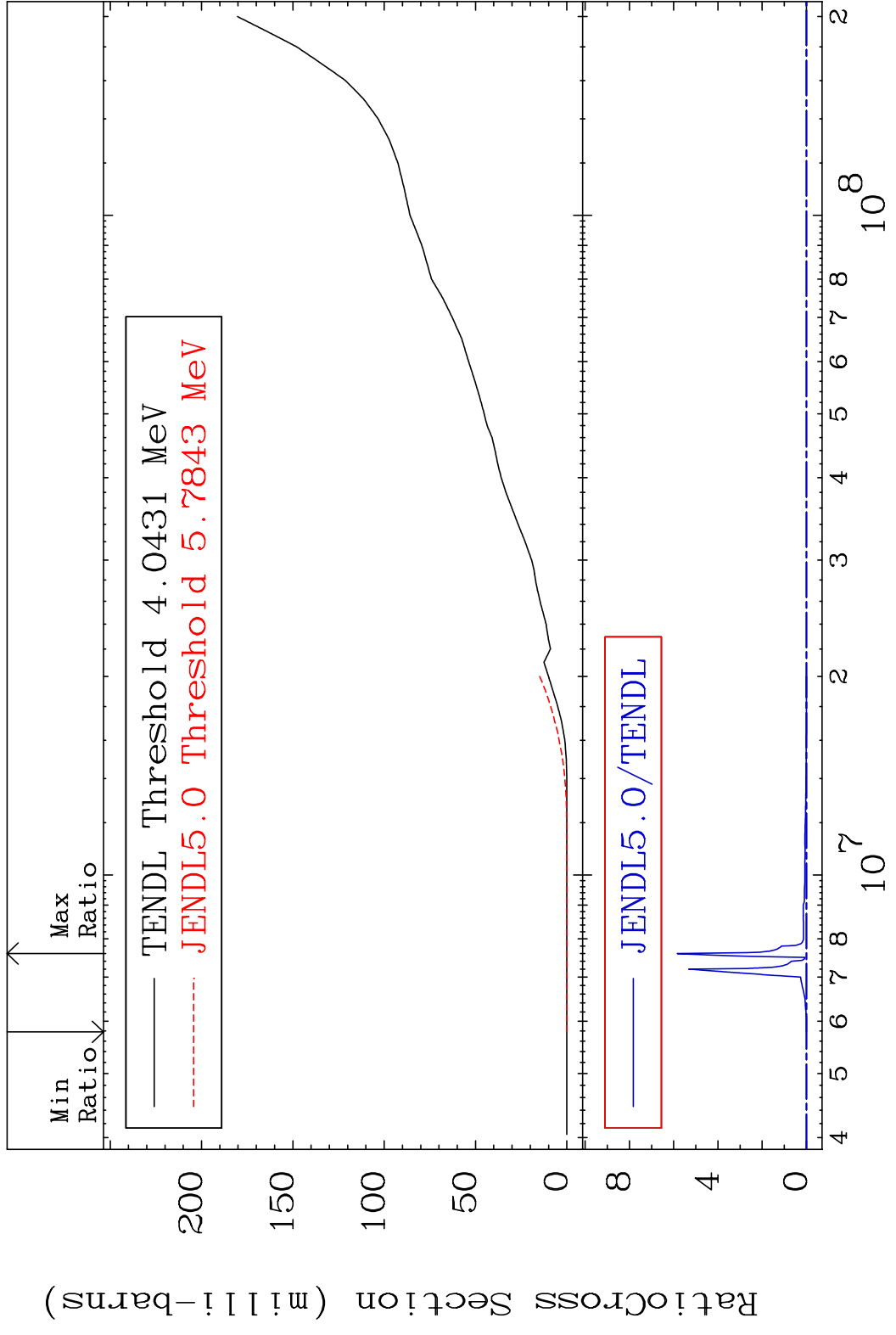


49

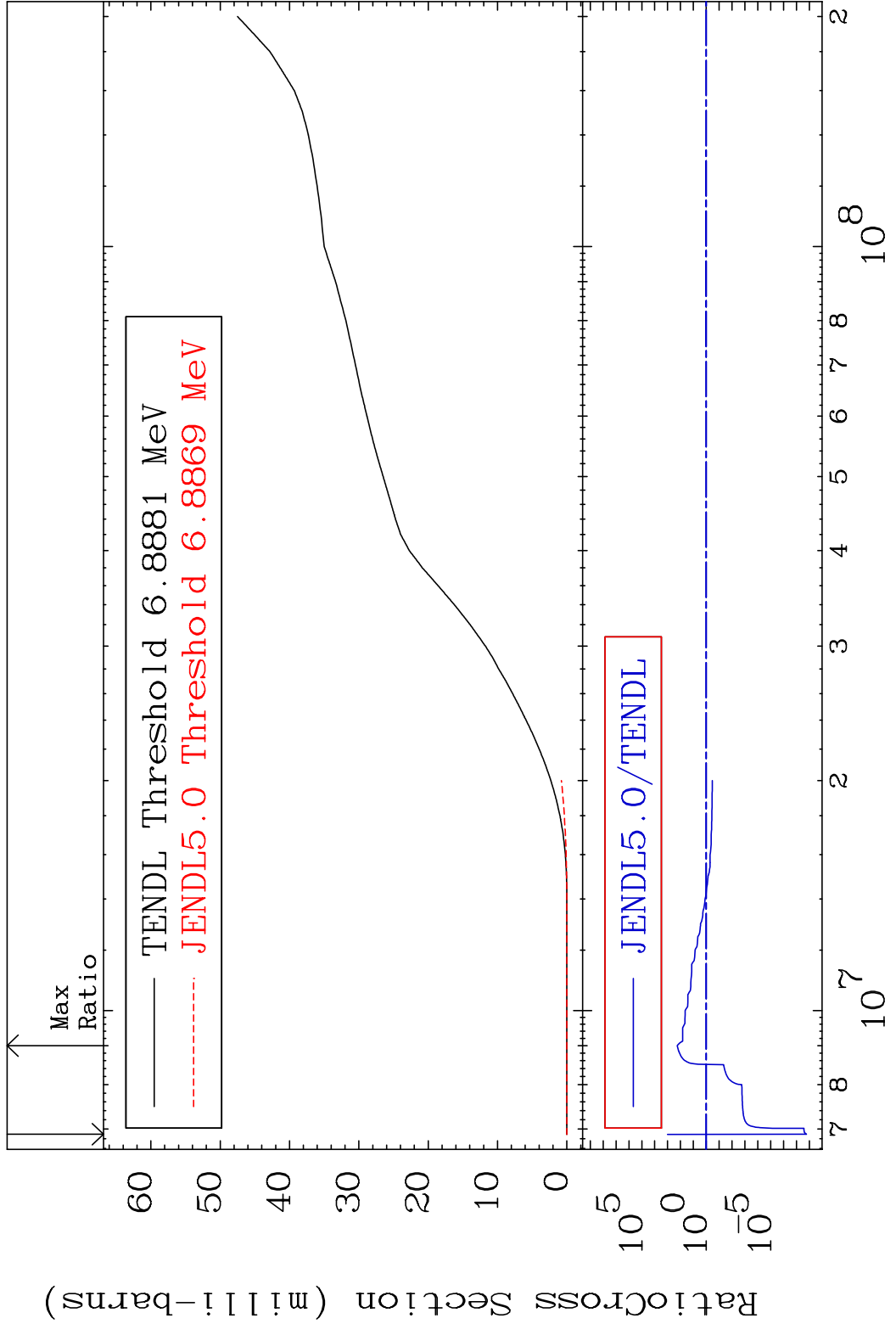
Incident Energy (eV)

60-Nd-144

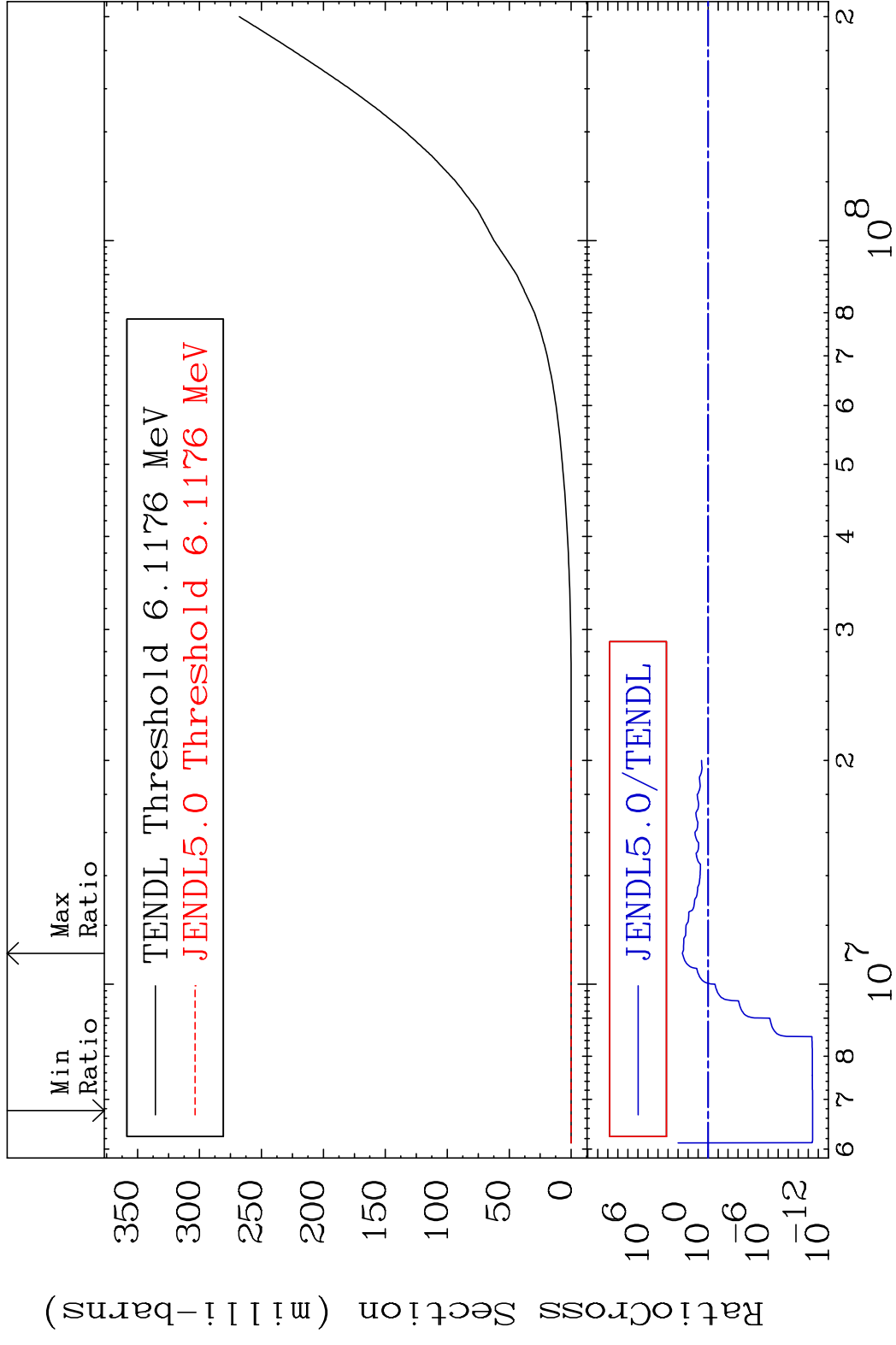
MAT 6031 Deuterium Production 60-Nd-144
 Cross Section -100.0 To 9999. %



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



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

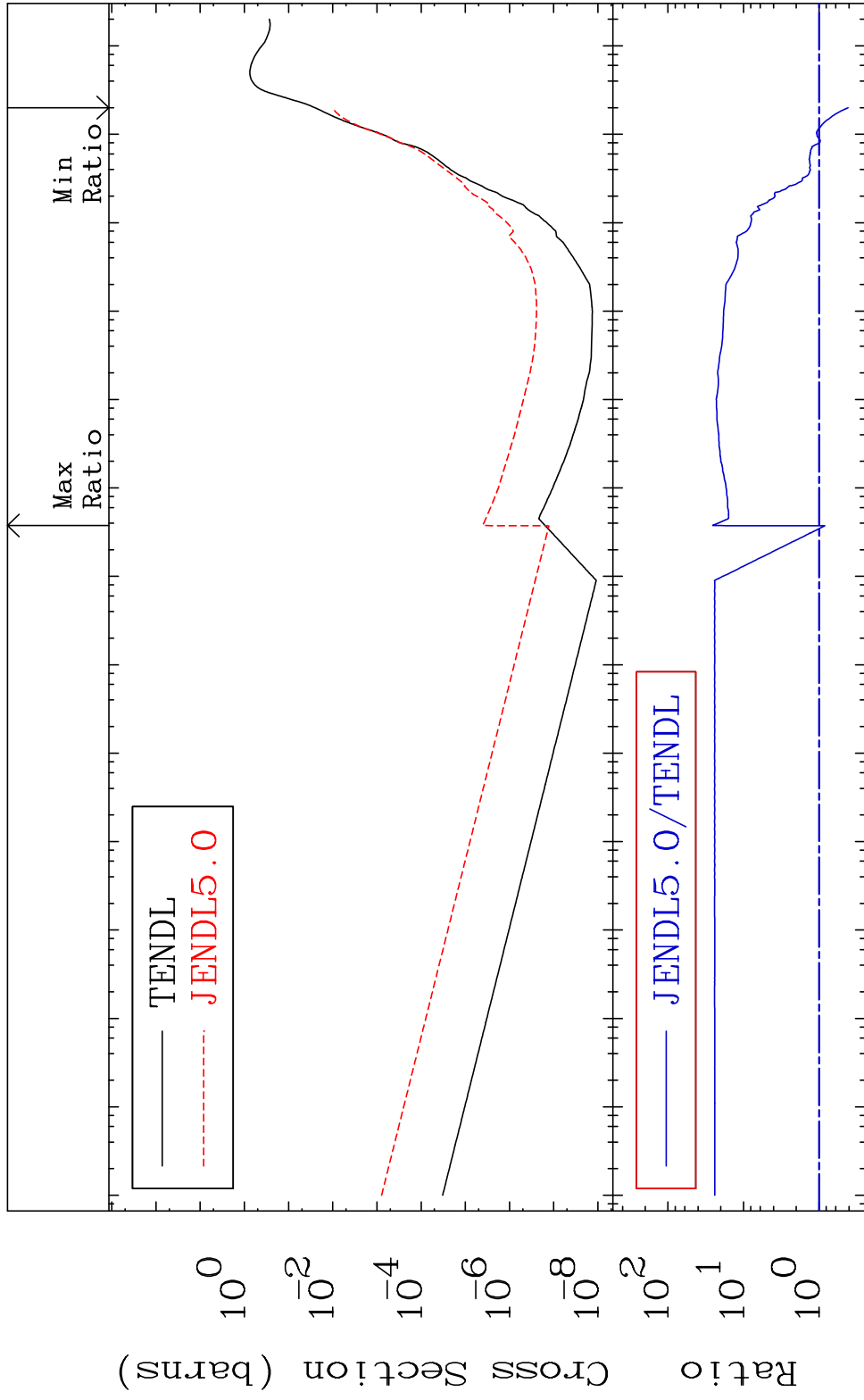


MAT 6031

He-4 Production

60-Nd-144

Cross Section -59.13 To 2484. %

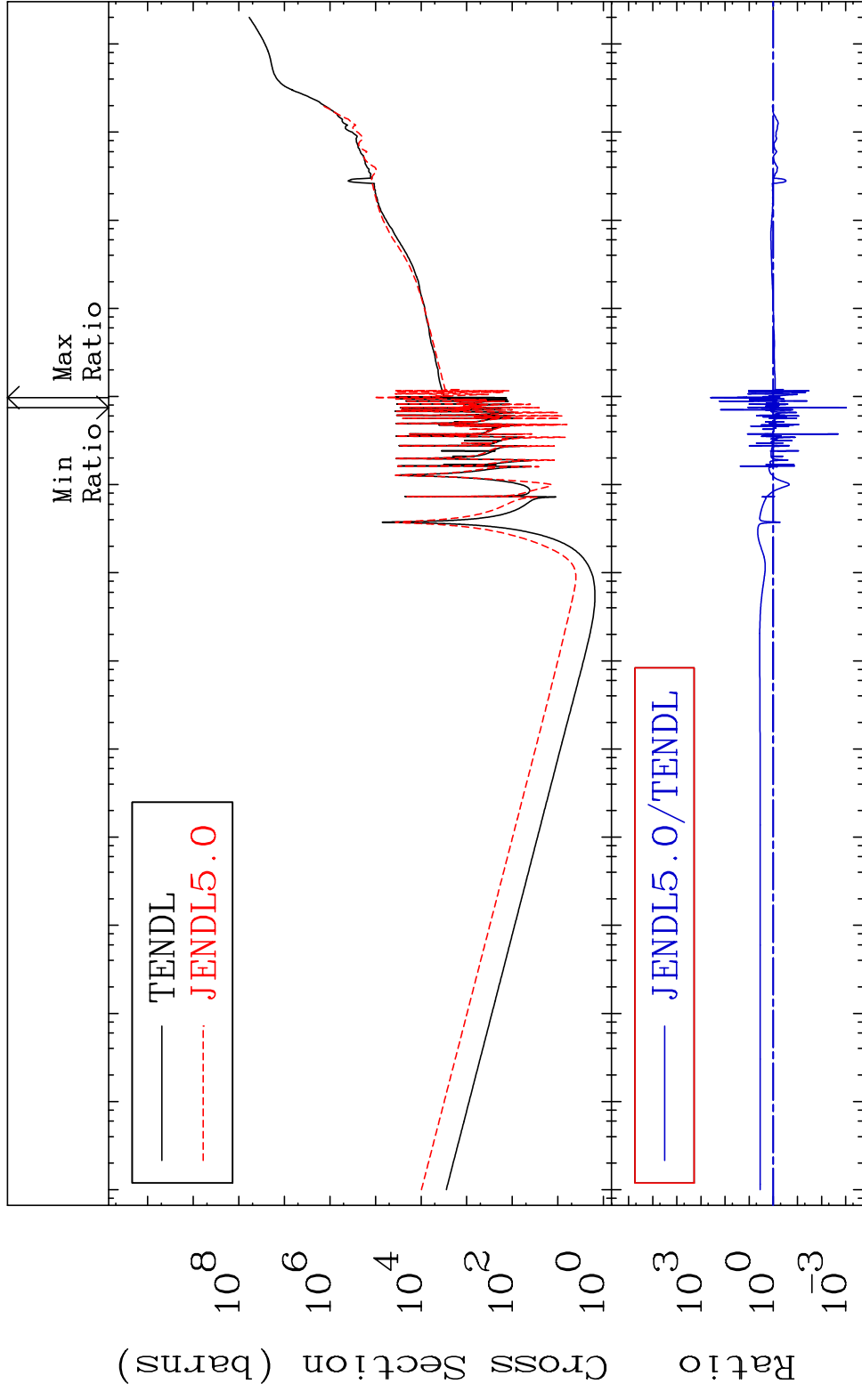


53

Incident Energy (eV)

60-Nd-144

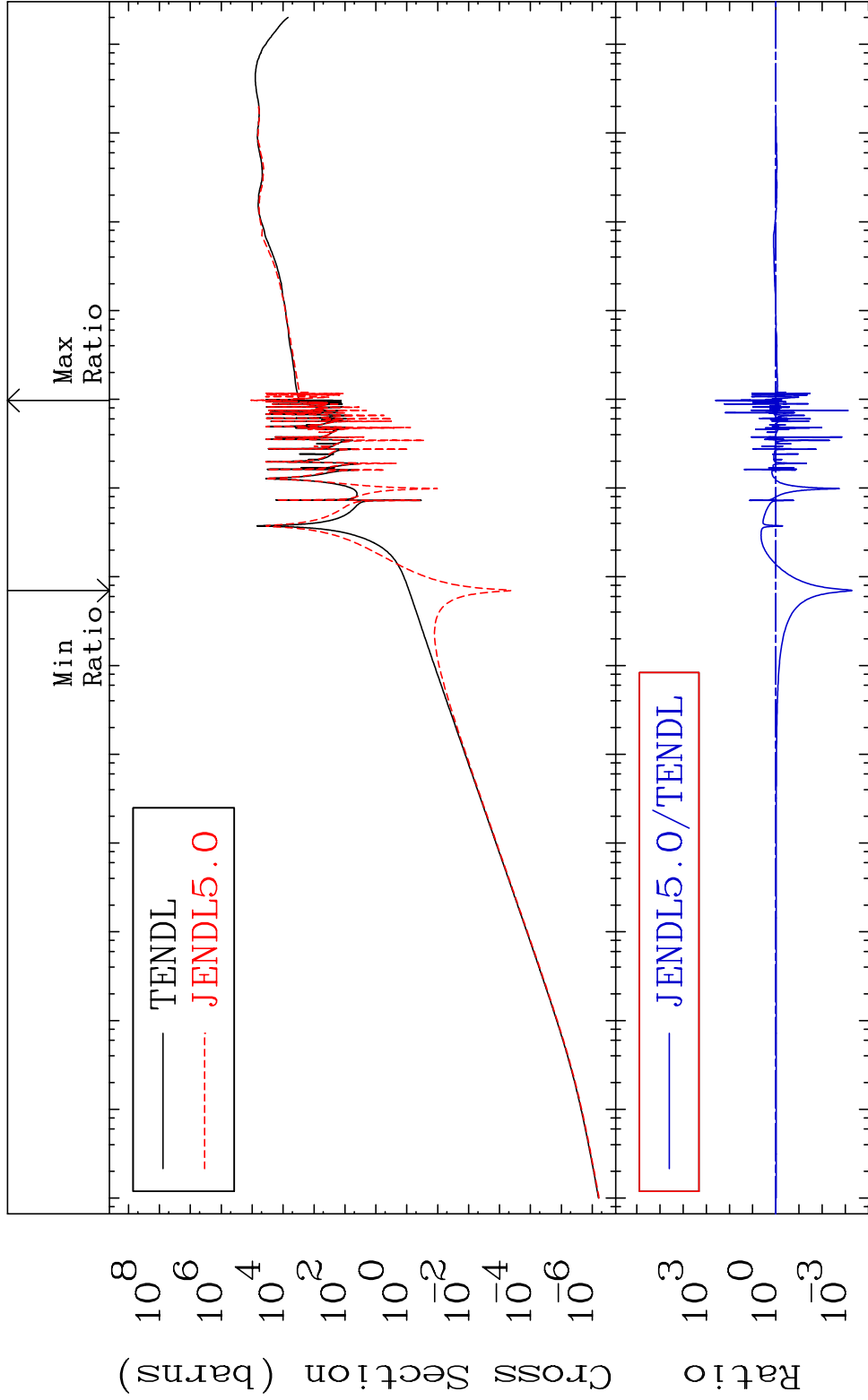
MAT 6031 Kerma total (eV-barns) 60-Nd-144
 Cross Section -99.91 To 9999. %



MAT 6031

Kerma elastic
Cross Section

60-Nd-144
-99.95 To 9999. %

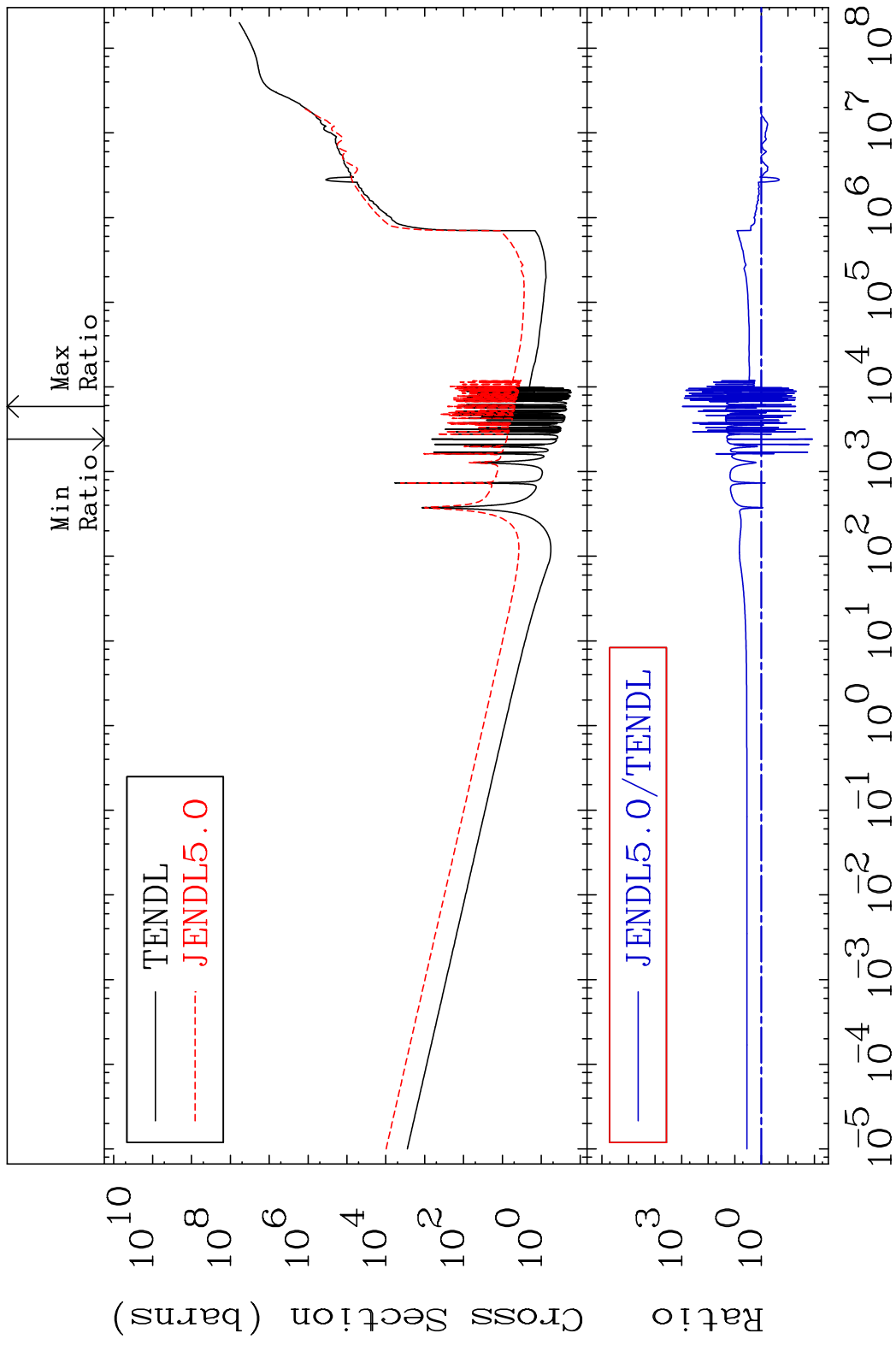


55

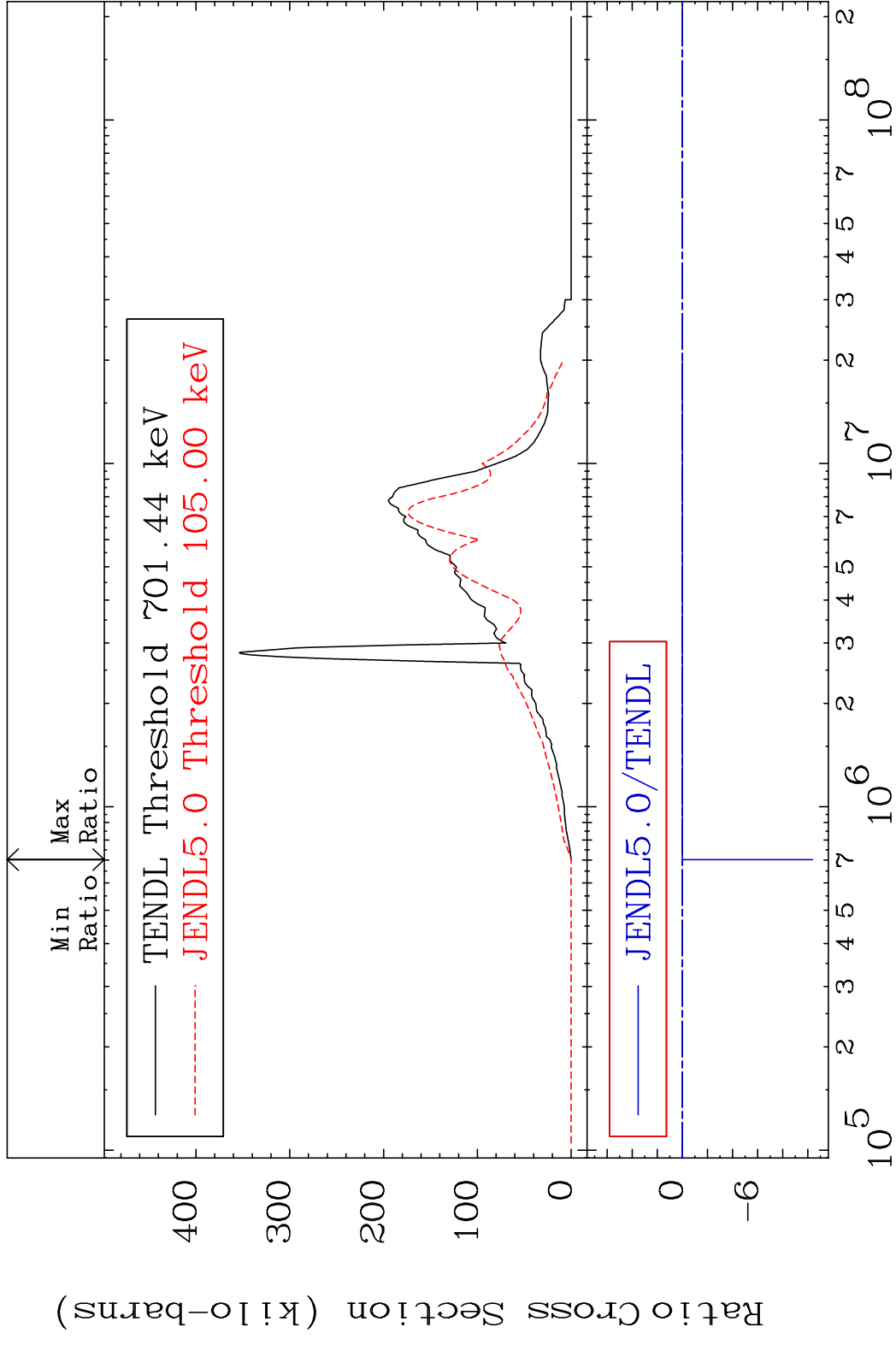
Incident Energy (eV)

60-Nd-144

MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144
 Cross Section -98.82 To 9999. %

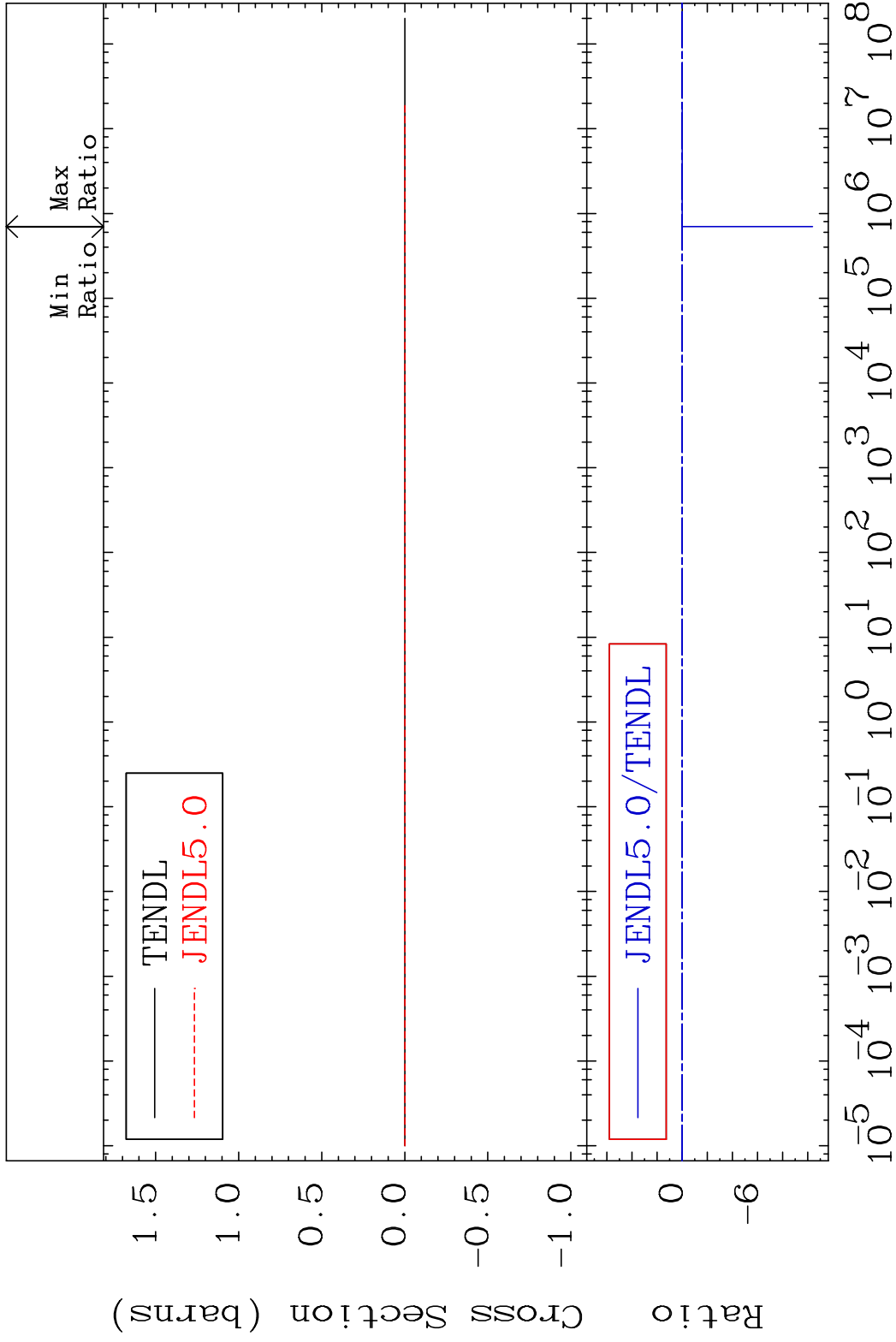


MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144
 Cross Section -9999. To 9999. %

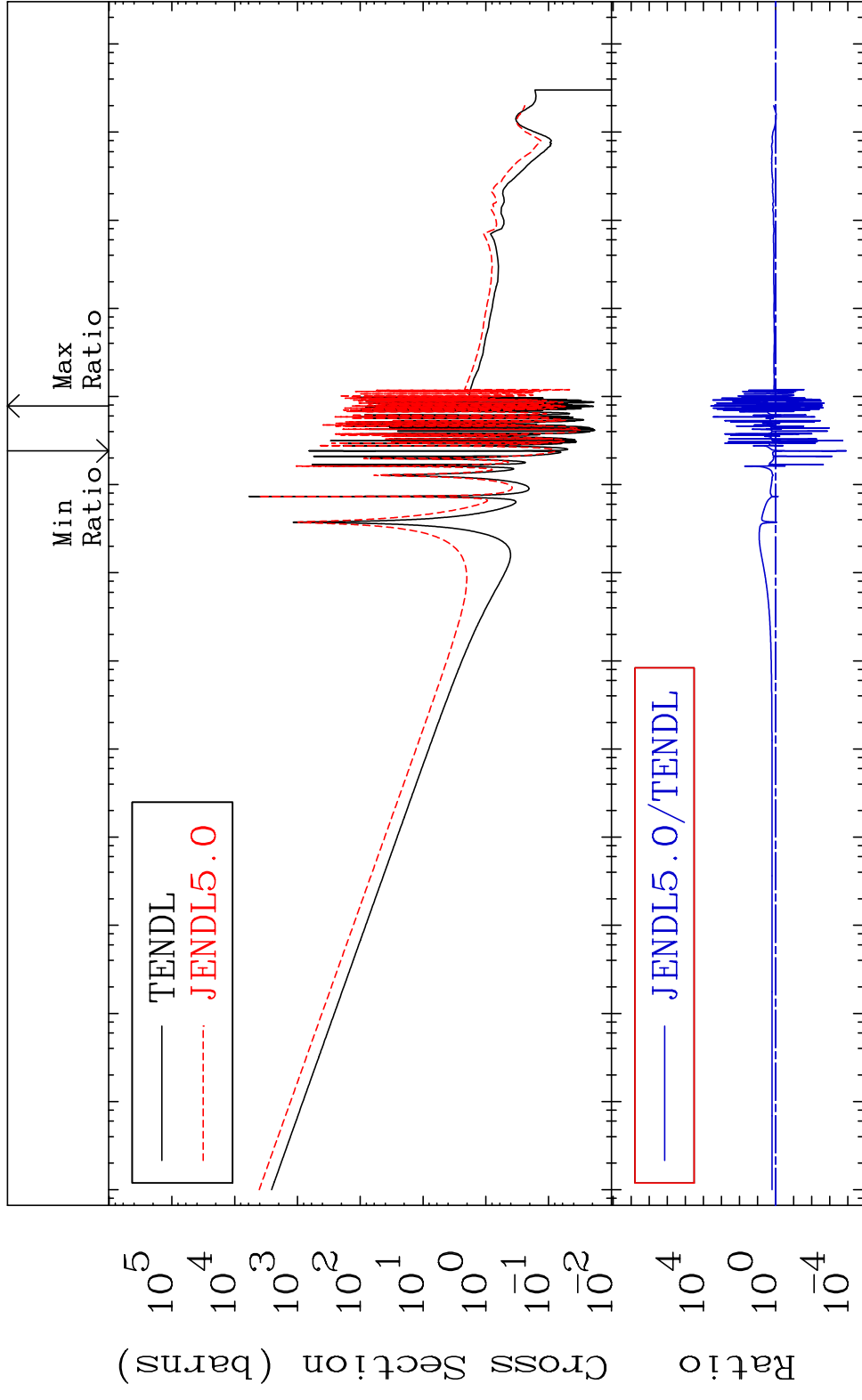


57 Incident Energy (eV) 60-Nd-144

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

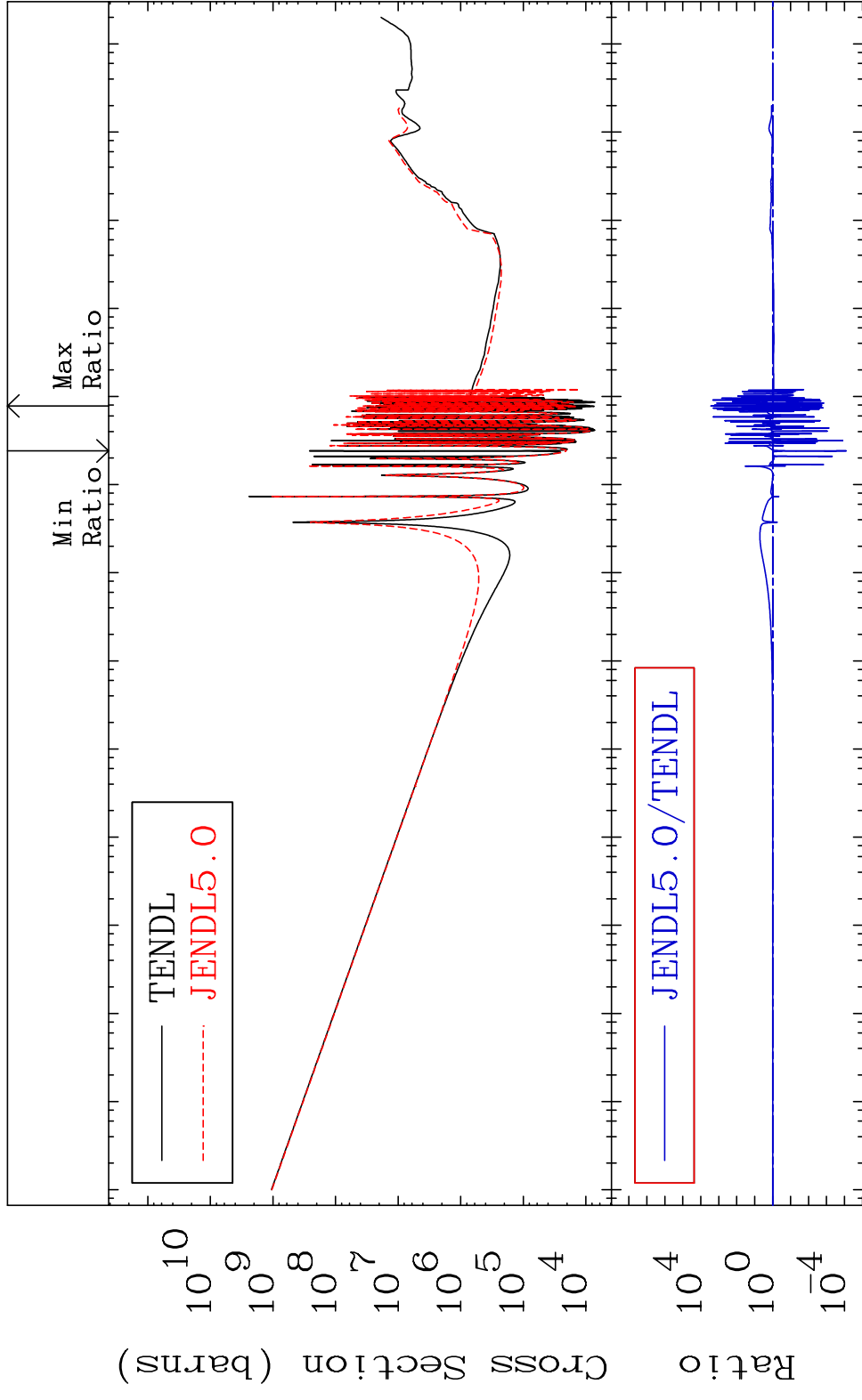


MAT 6031 Kerma capture (mt102) 60-Nd-144
 Cross Section -99.99 To 9999. %



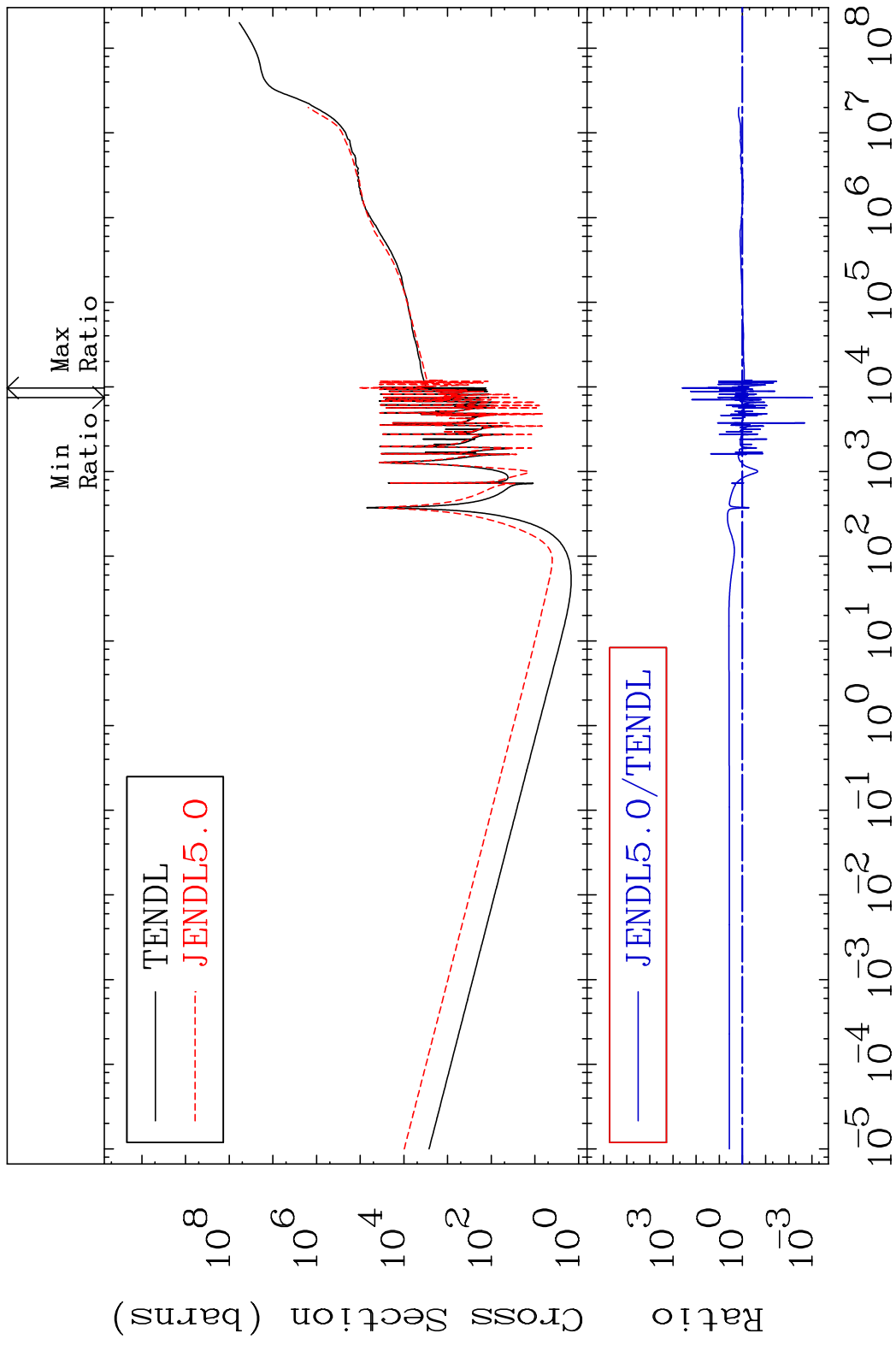
59 Incident Energy (eV) 60-Nd-144

MAT 6031 Total photon (eV-barns) 60-Nd-144
Cross Section -99.99 To 9999. %

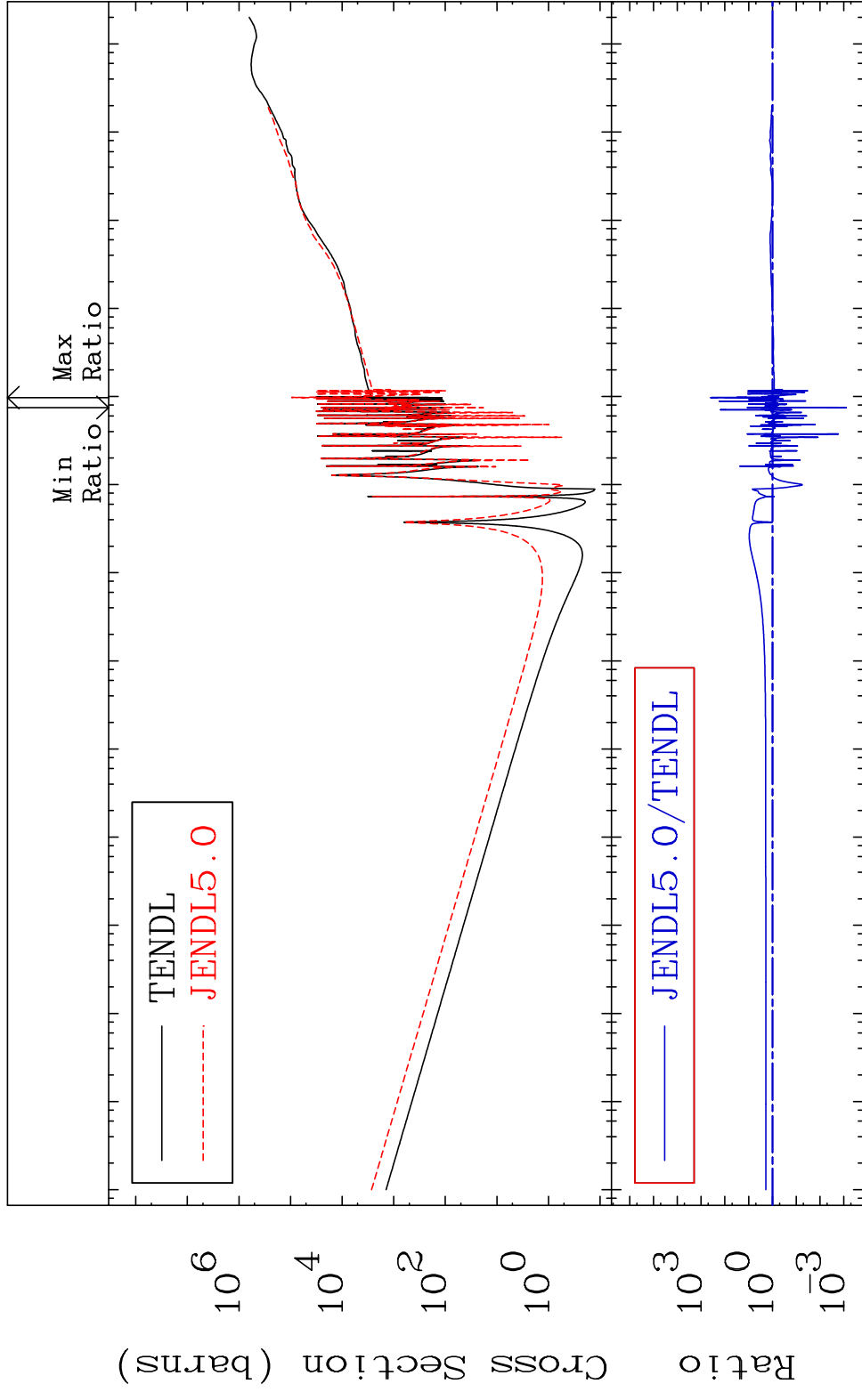


60 Incident Energy (eV) 60-Nd-144

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 -99.92 To 9999. %

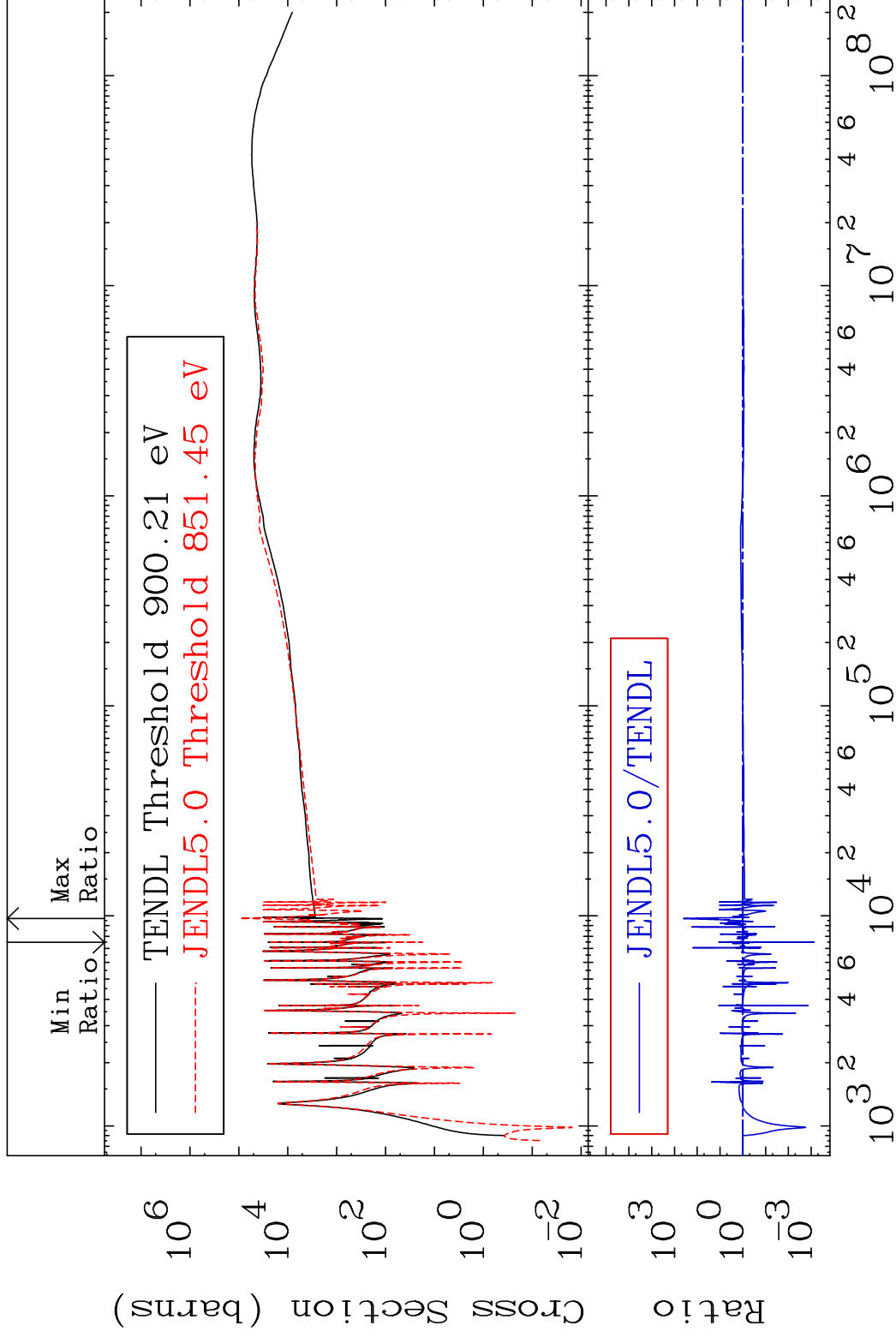


MAT 6031

Dpa elastic (mt2)

60-Nd-144

Cross Section -99.93 To 9999. %

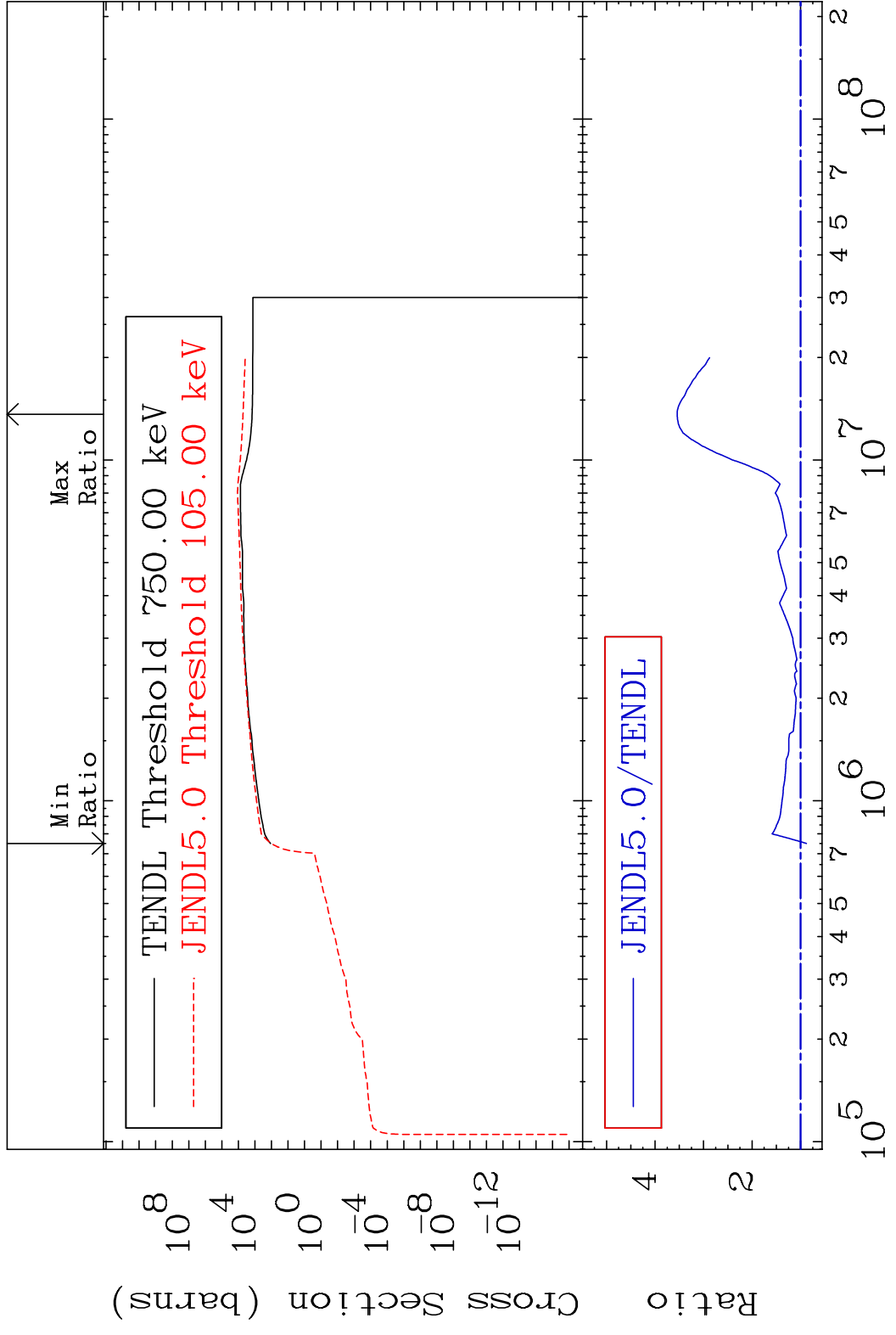


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Incident Energy (eV)

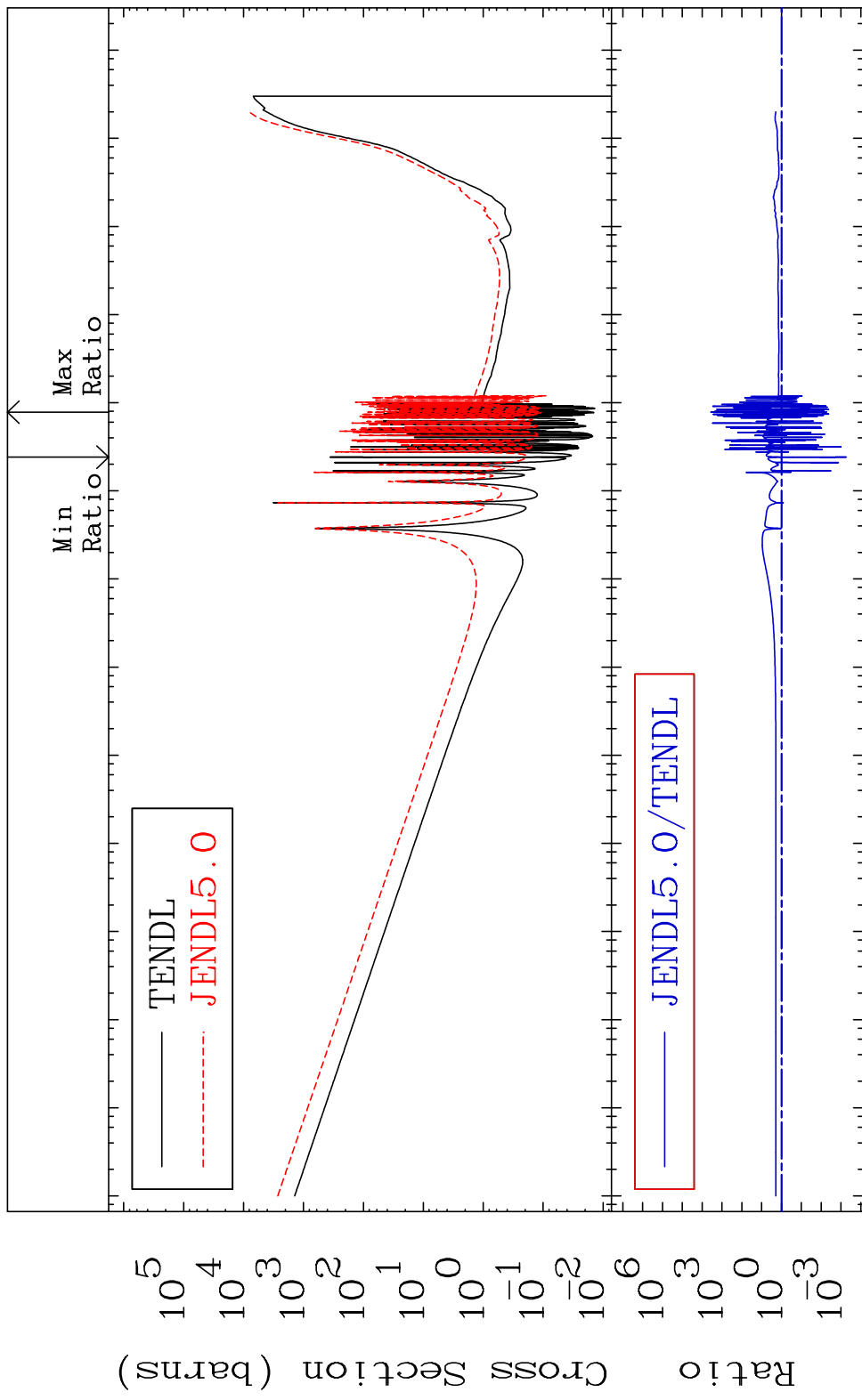
60-Nd-144

MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144
 Cross Section -11.93 To 254.4 %



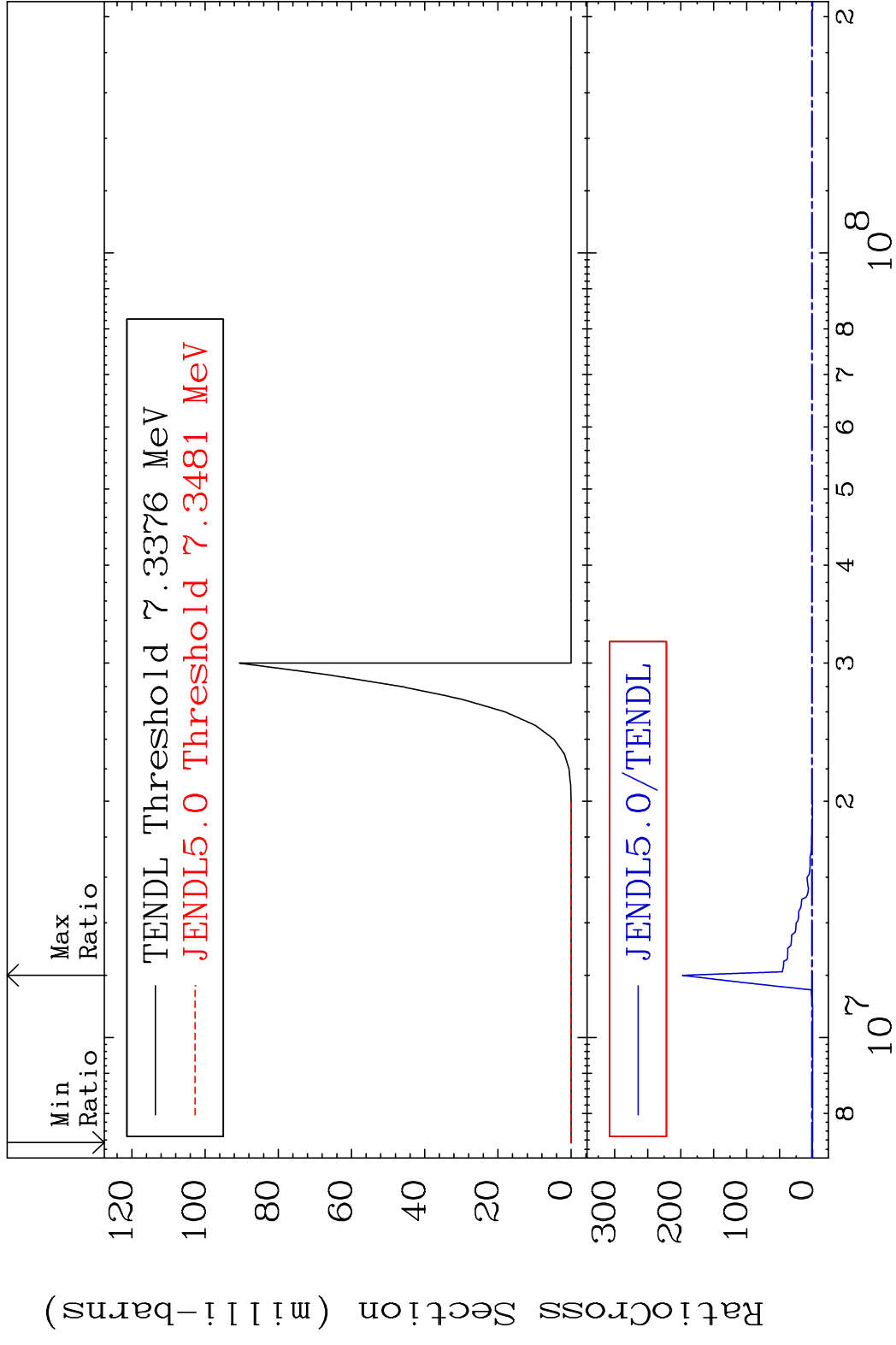
64 Incident Energy (eV) 60-Nd-144

MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144
 Cross Section -99.95 To 9999. %

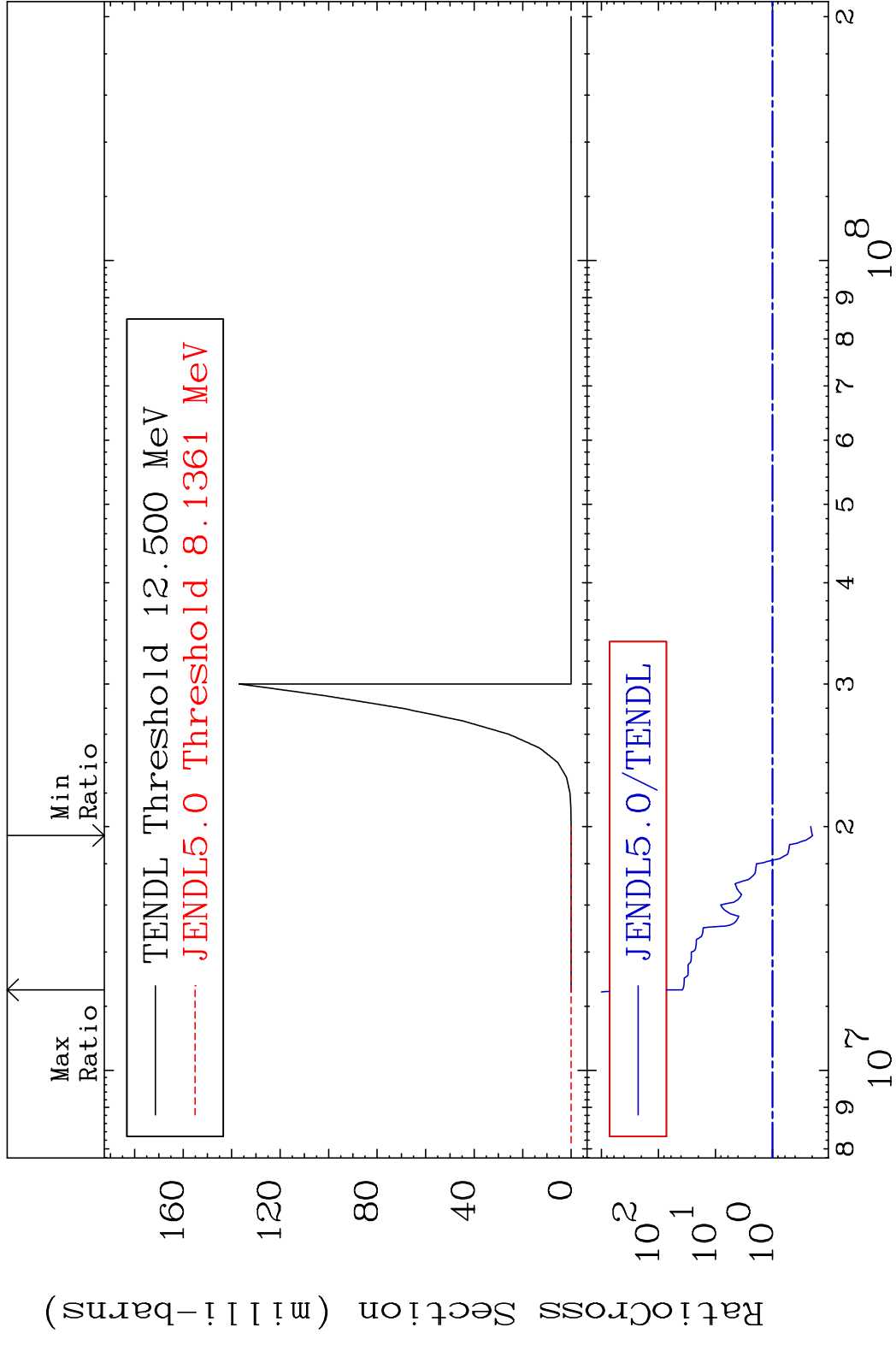


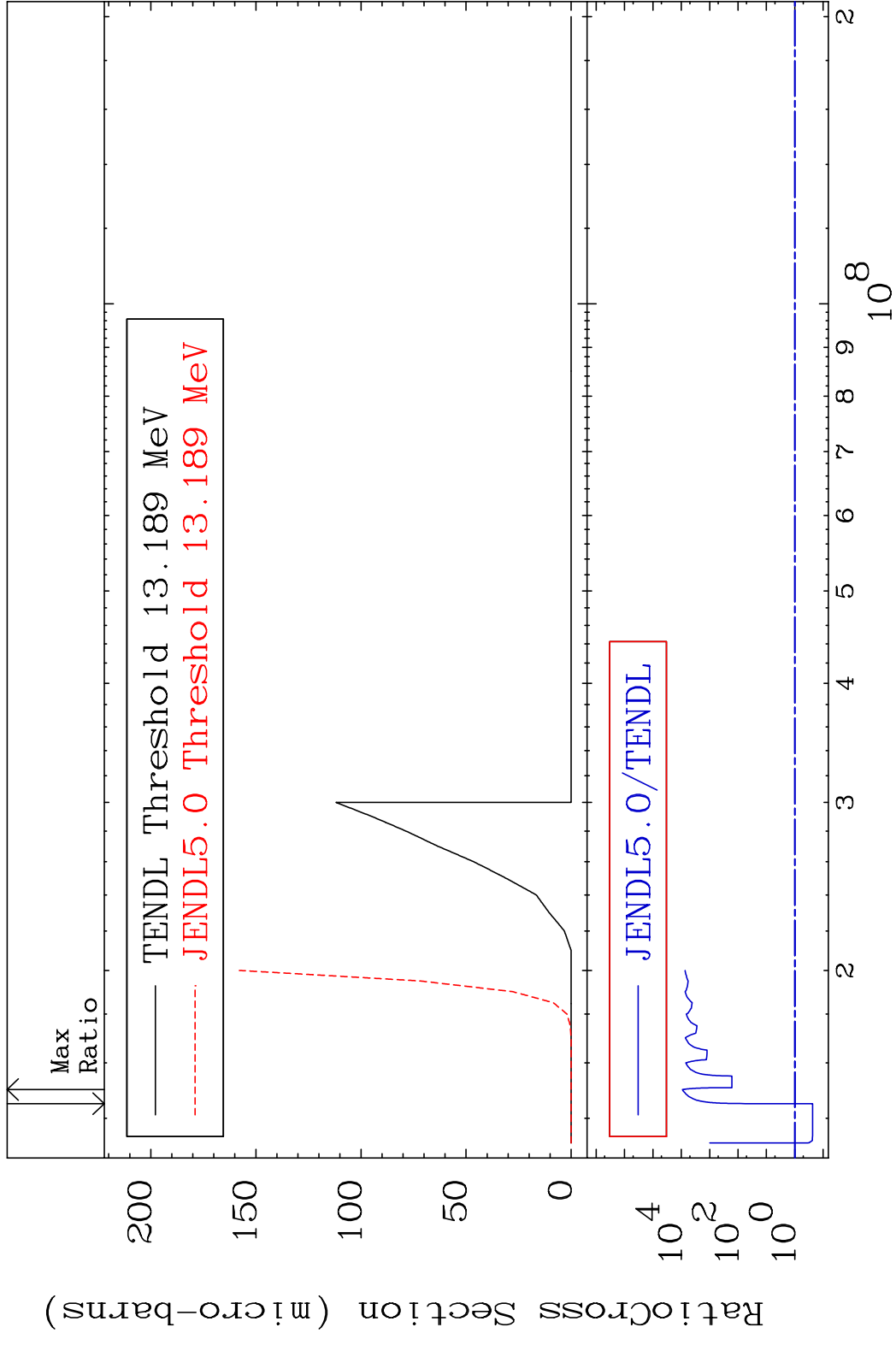
65 Incident Energy (eV) 60-Nd-144

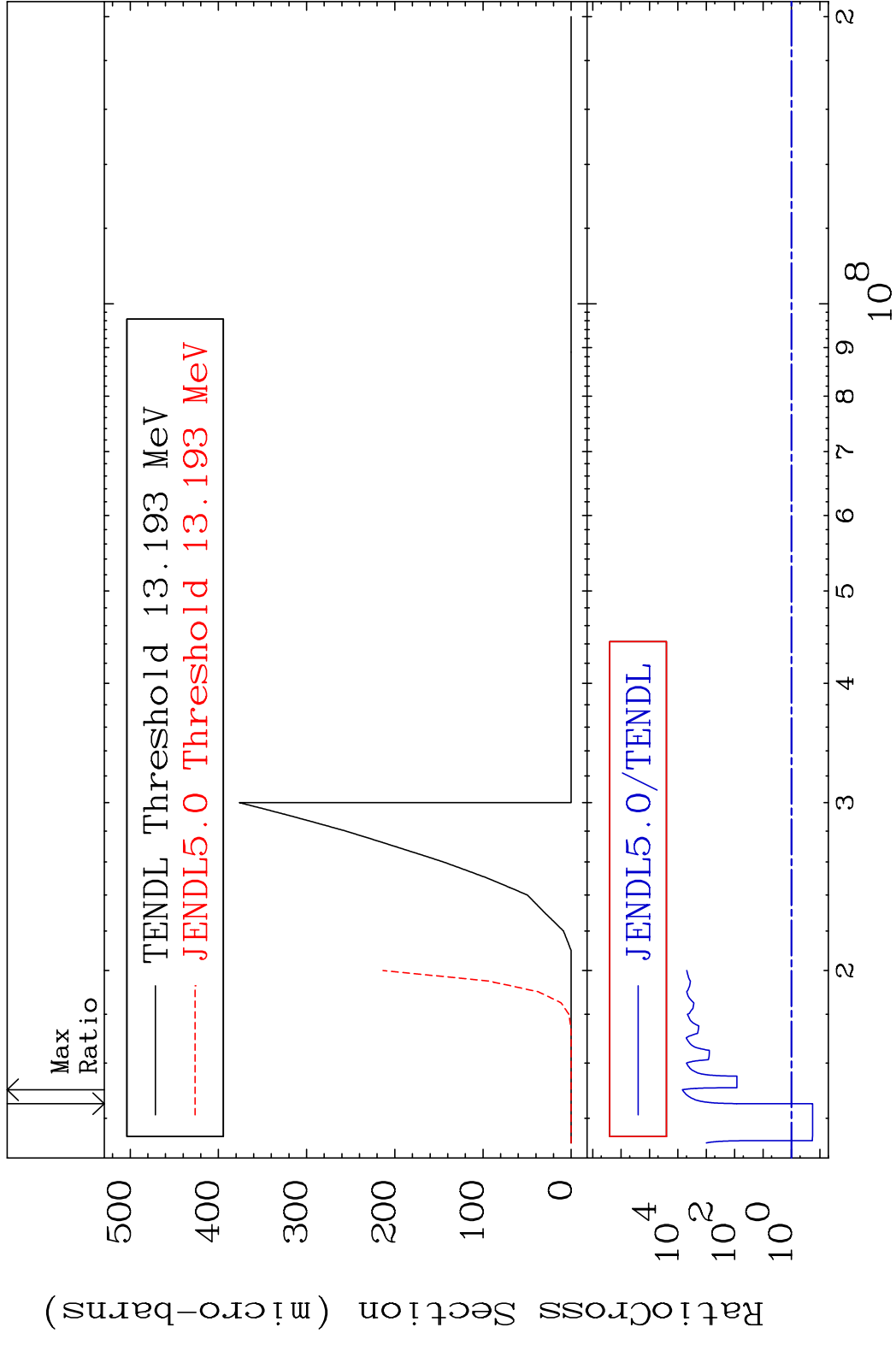
MAT 6031 (n,2n) α :58-Ce-139g 60-Nd-144
 Radionuclide Production Cross Section Ratio 9999. %

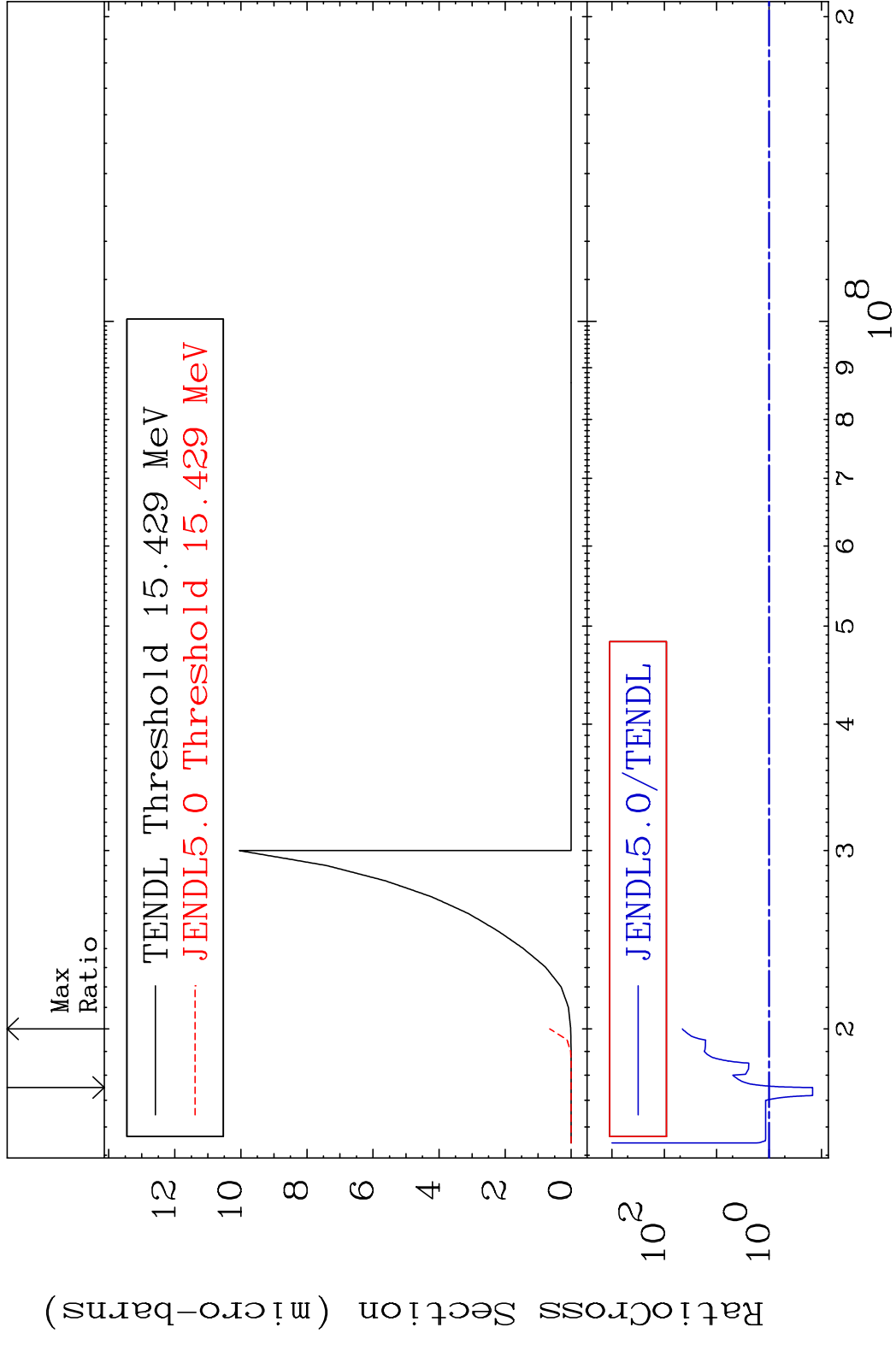


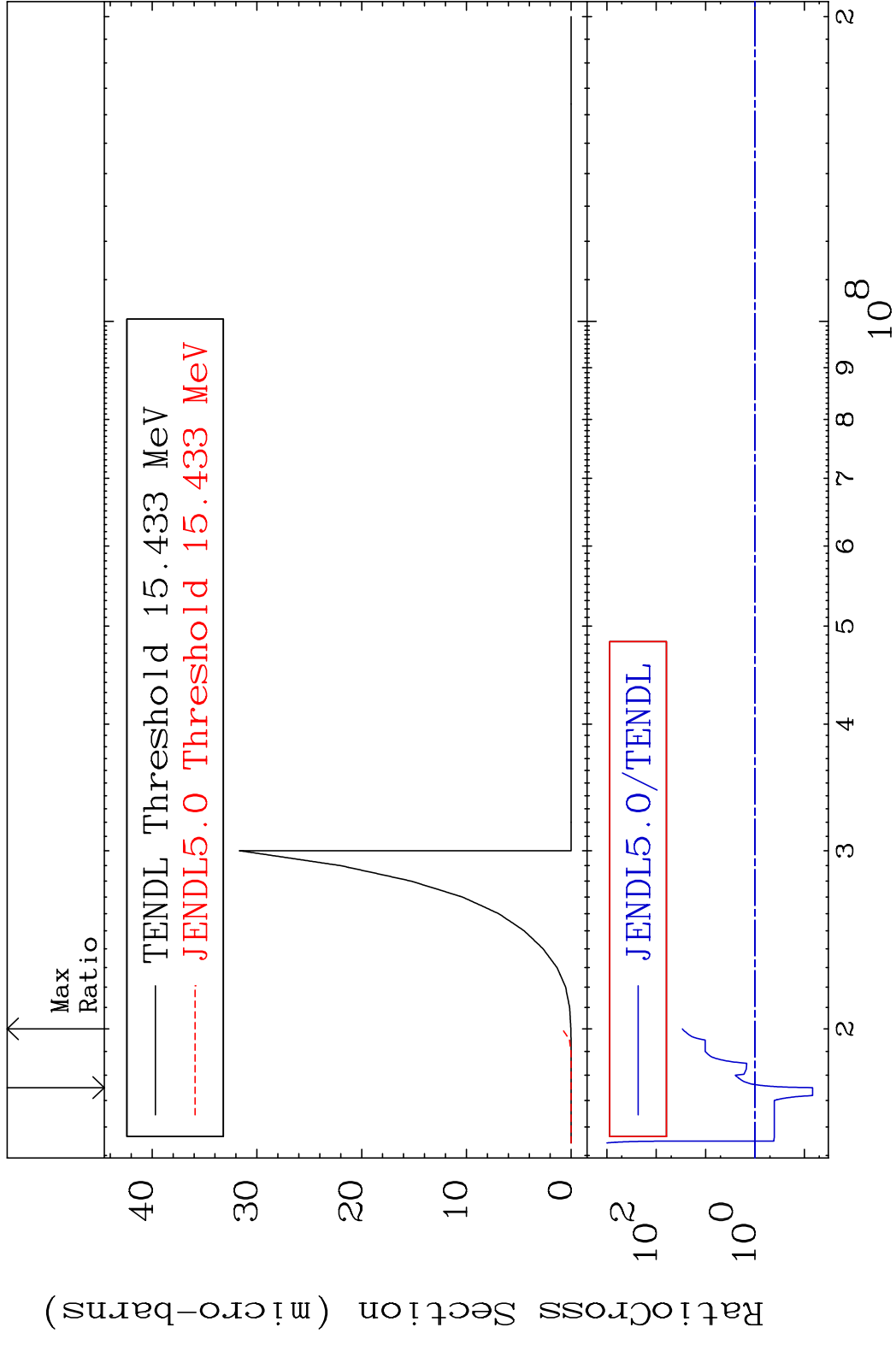
MAT 6031 (n,2n) α :58-Ce-139m2 60-Nd-144
 Radionuclide Production Cross Section 3700. %

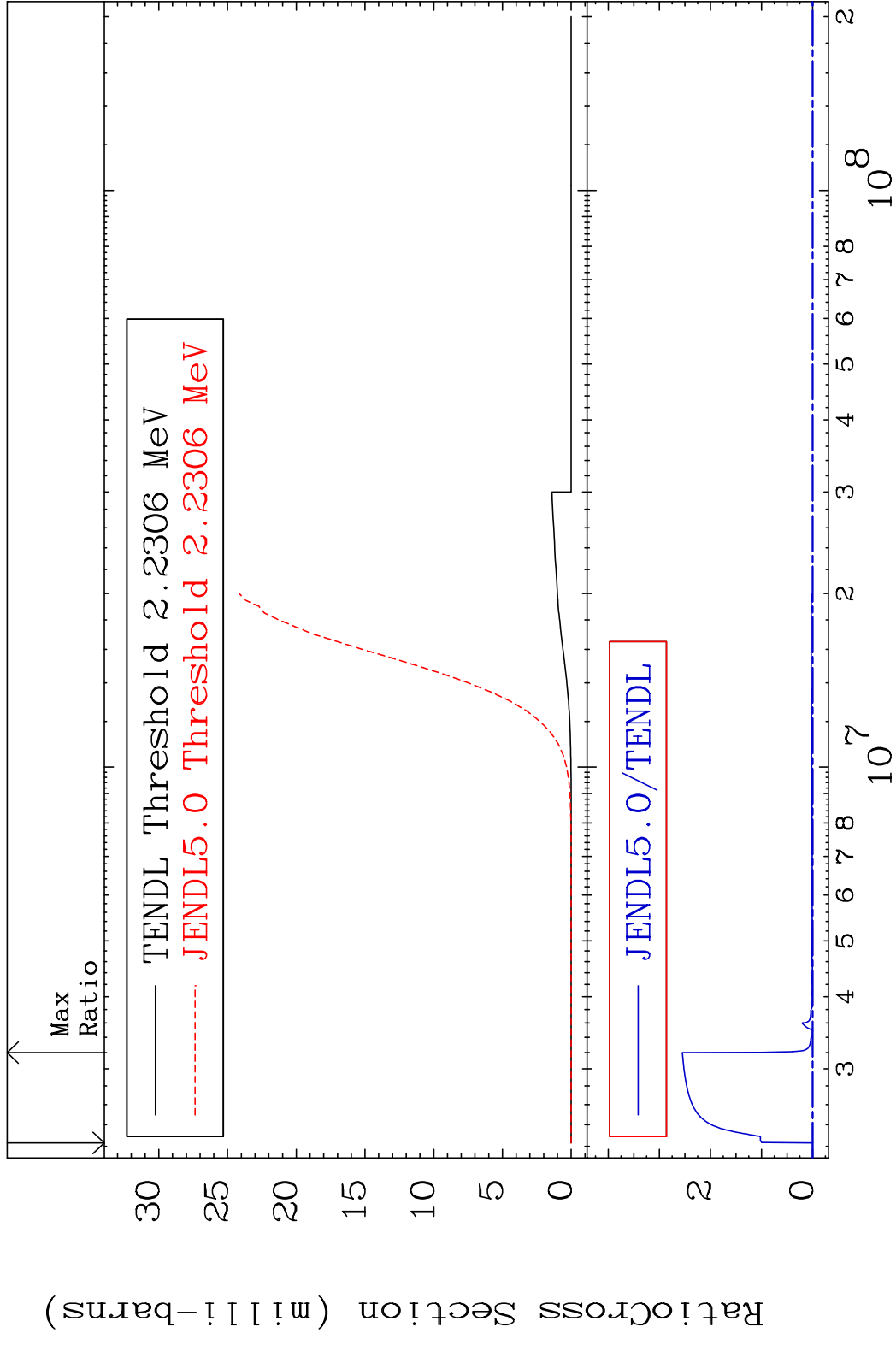


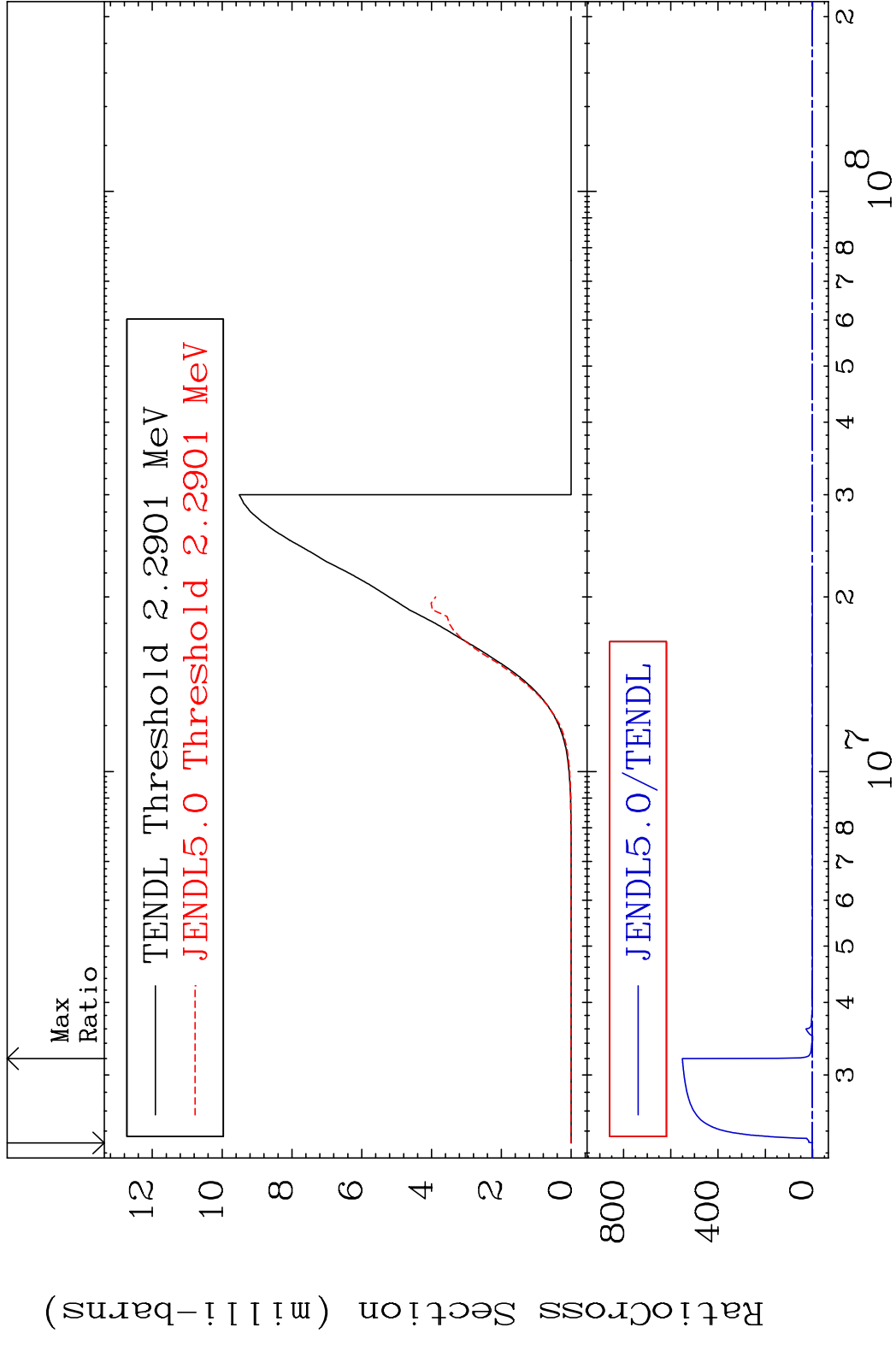




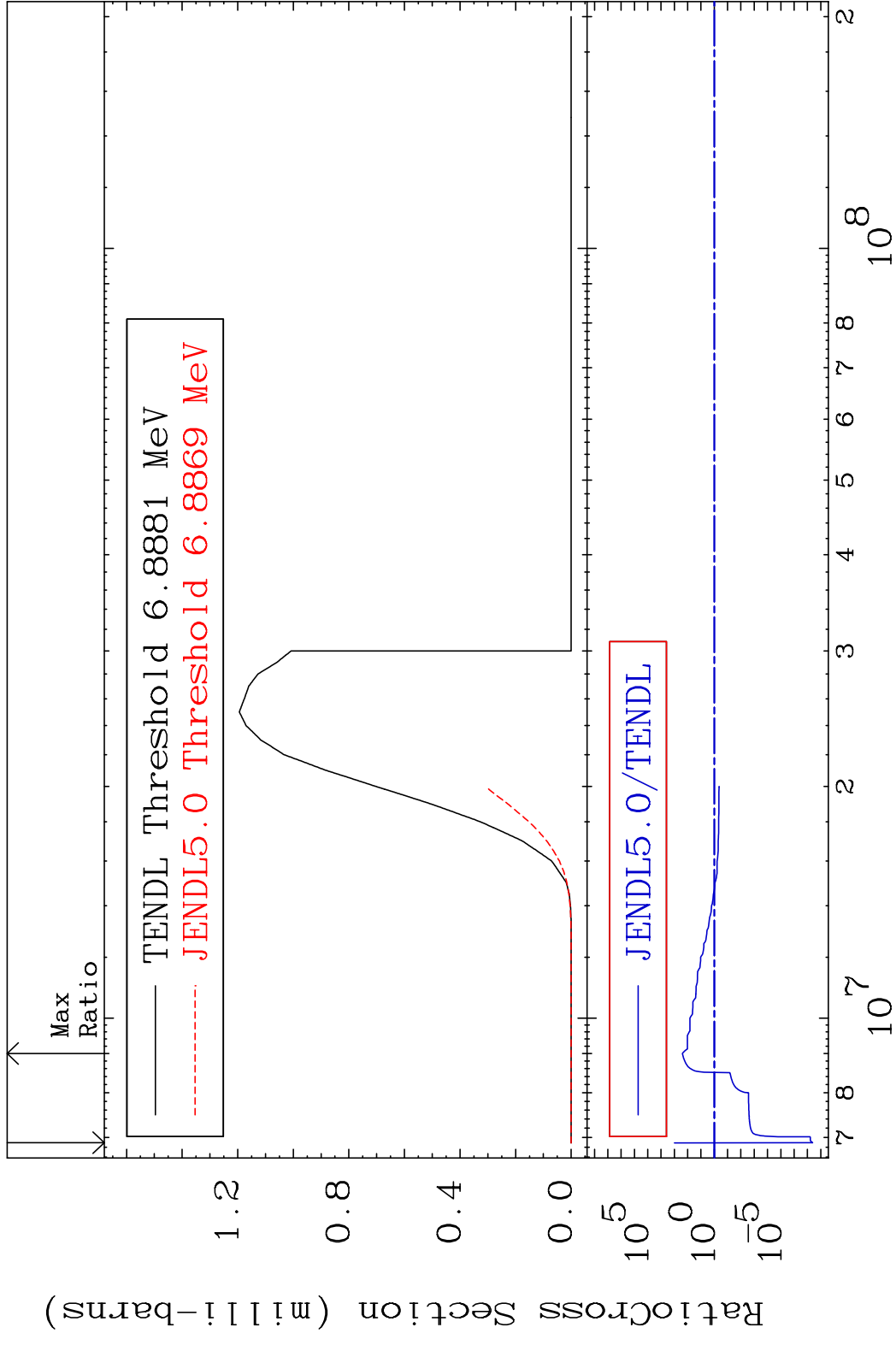








MAT 6031 (n,t):59-Pr-142g 60-Nd-144
 Radionuclide Production Cross Section to 9999. %



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

