

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

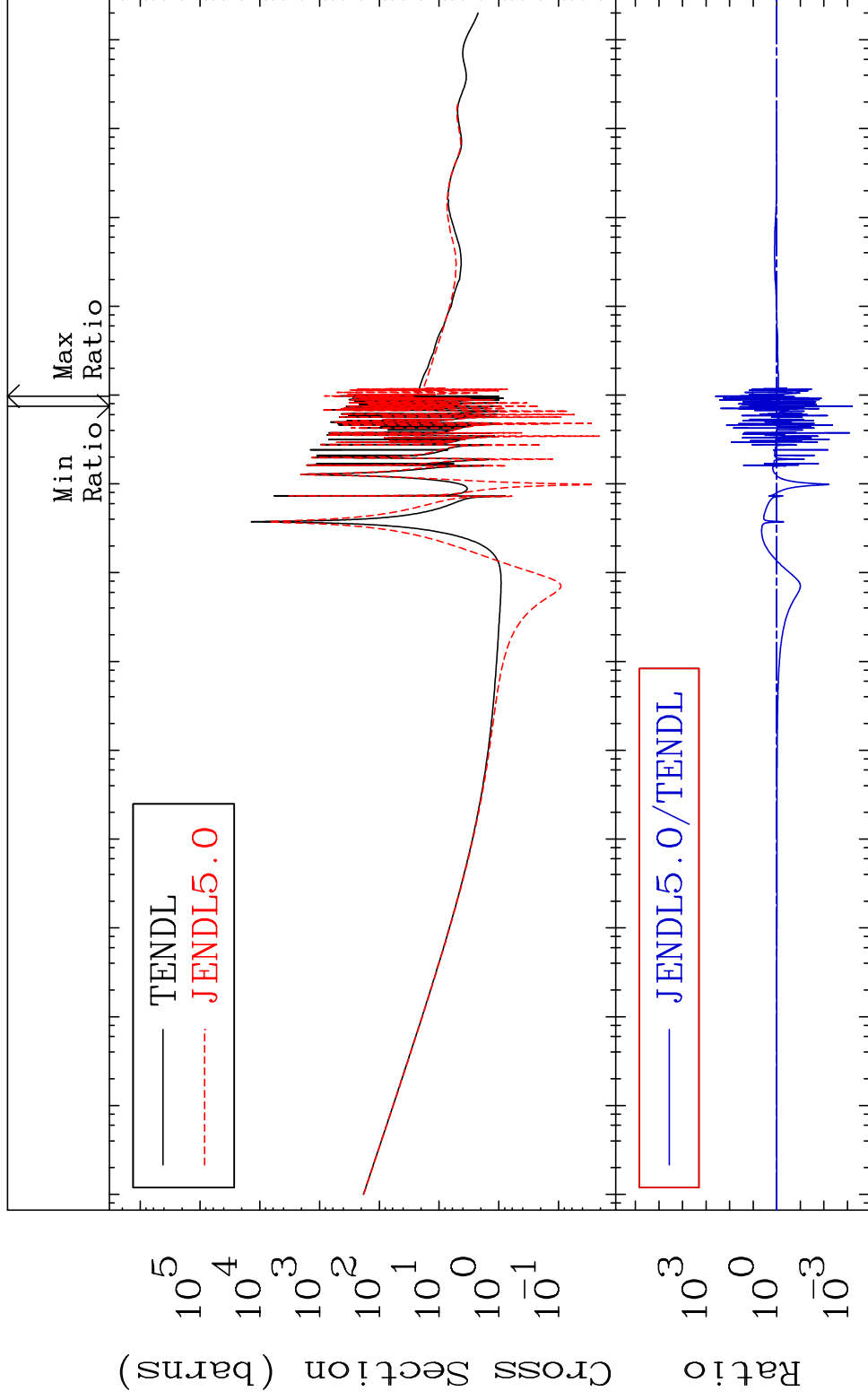
MAT 6031

Total

60-Nd-144

Cross Section

-99.94 To 9999. %



1

Incident Energy (eV)

60-Nd-144

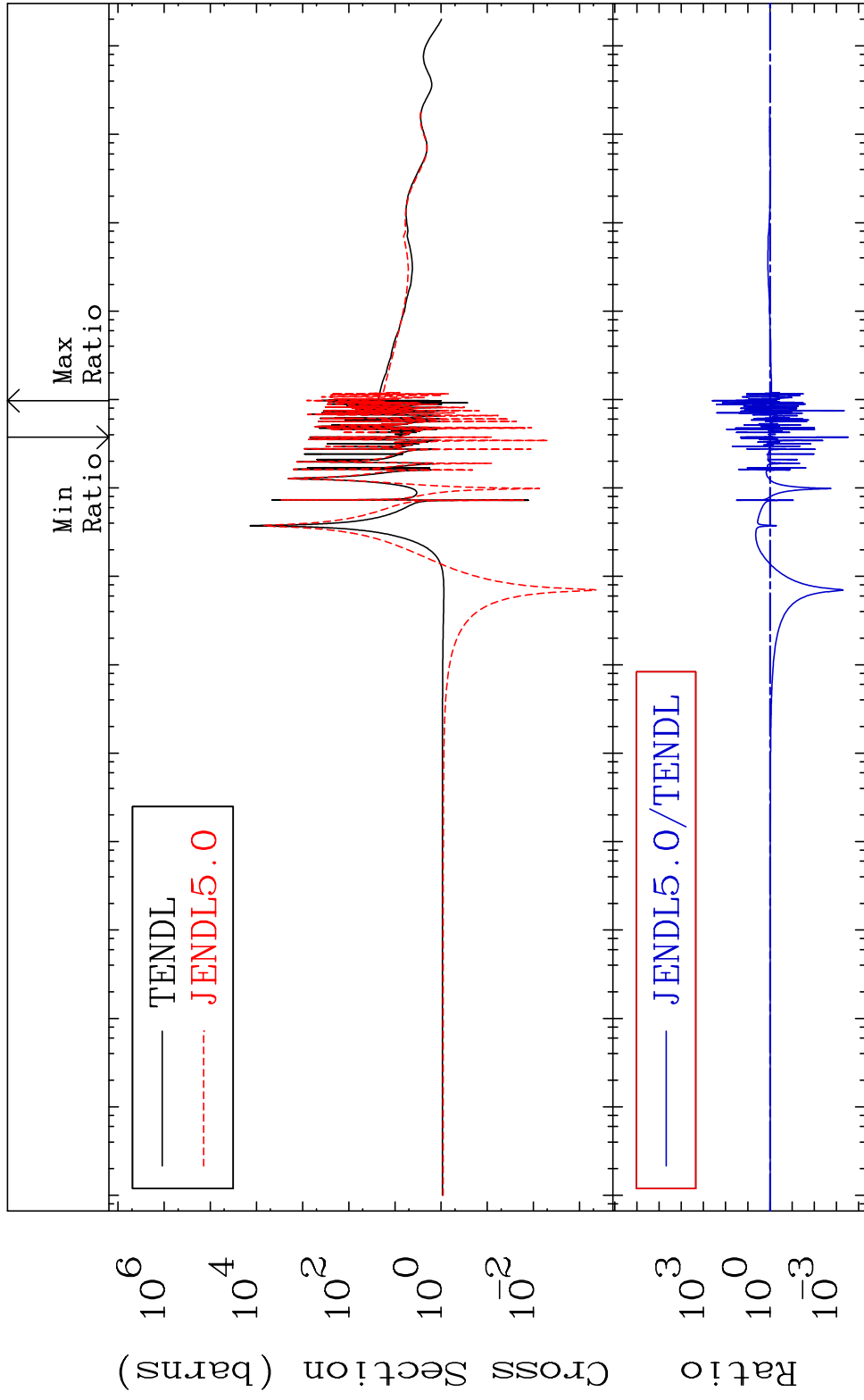
MAT 6031

Elastic

60-Nd-144

Cross Section

-99.97 To 9999. %



2

Incident Energy (eV)

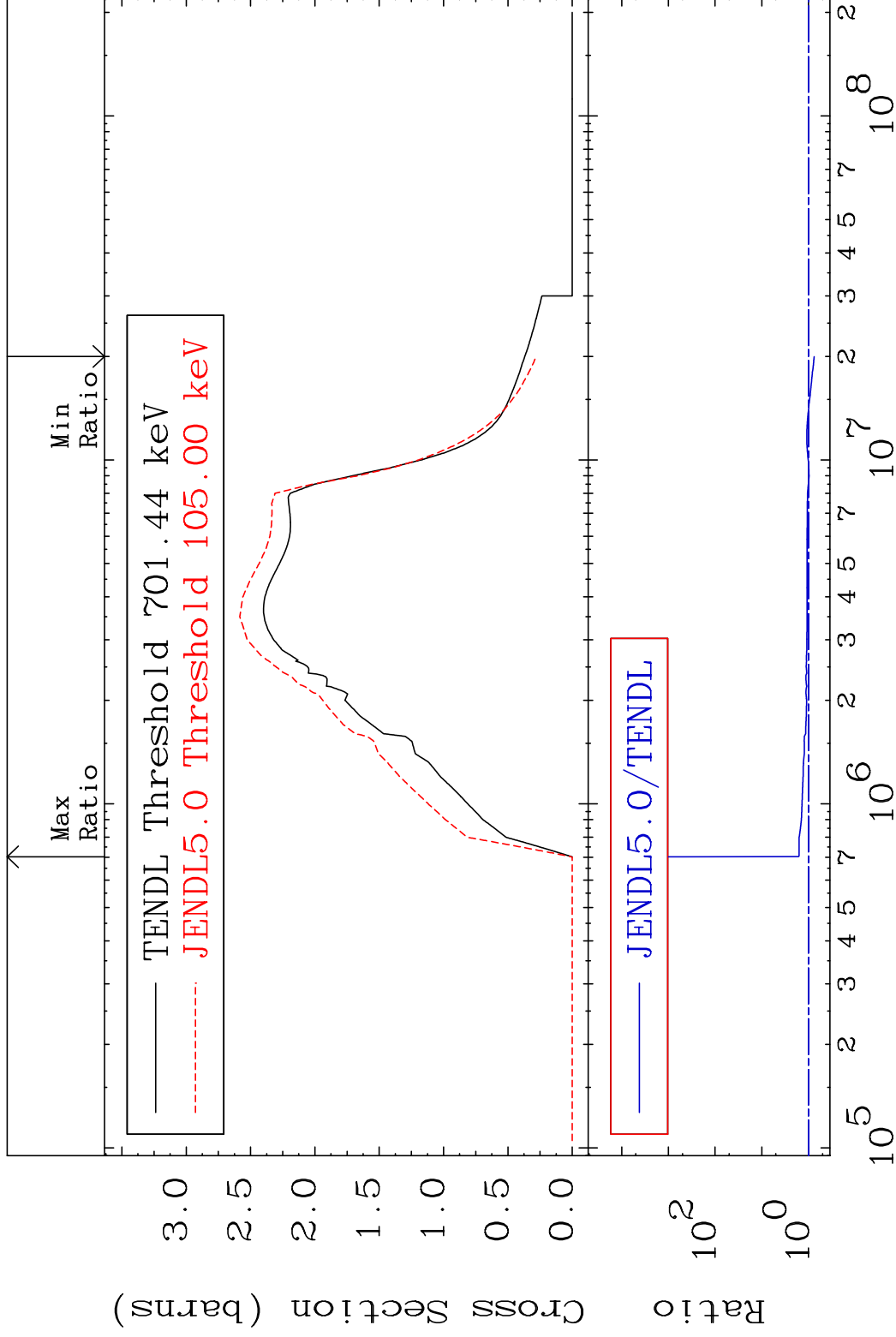
60-Nd-144

MAT 6031

Inelastic

60-Nd-144

Cross Section -24.02 To 9999. %



3

Incident Energy (eV)

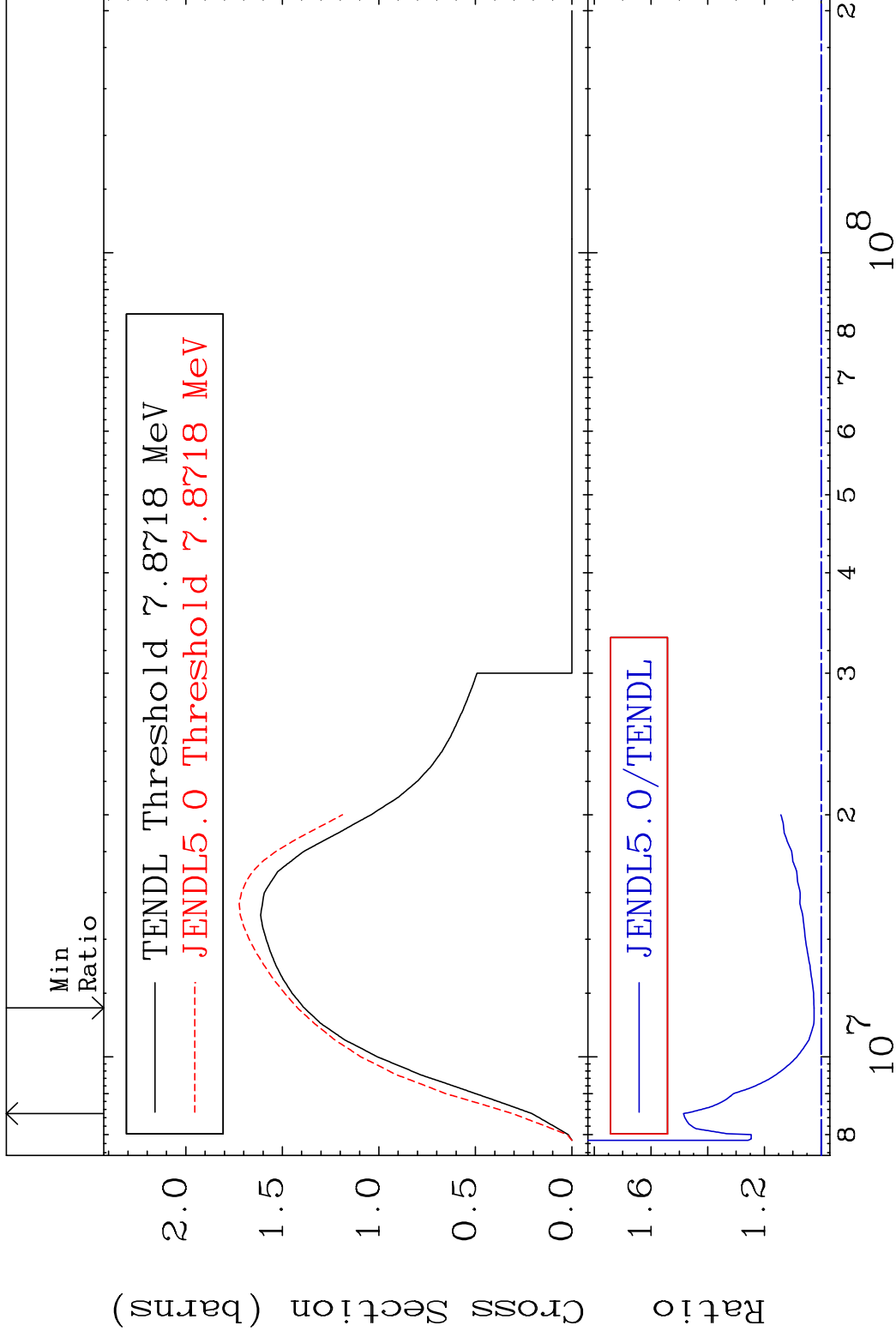
60-Nd-144

MAT 6031

(n,2n)

60-Nd-144

Cross Section 2.528 To 48.55 %



4

Incident Energy (eV)

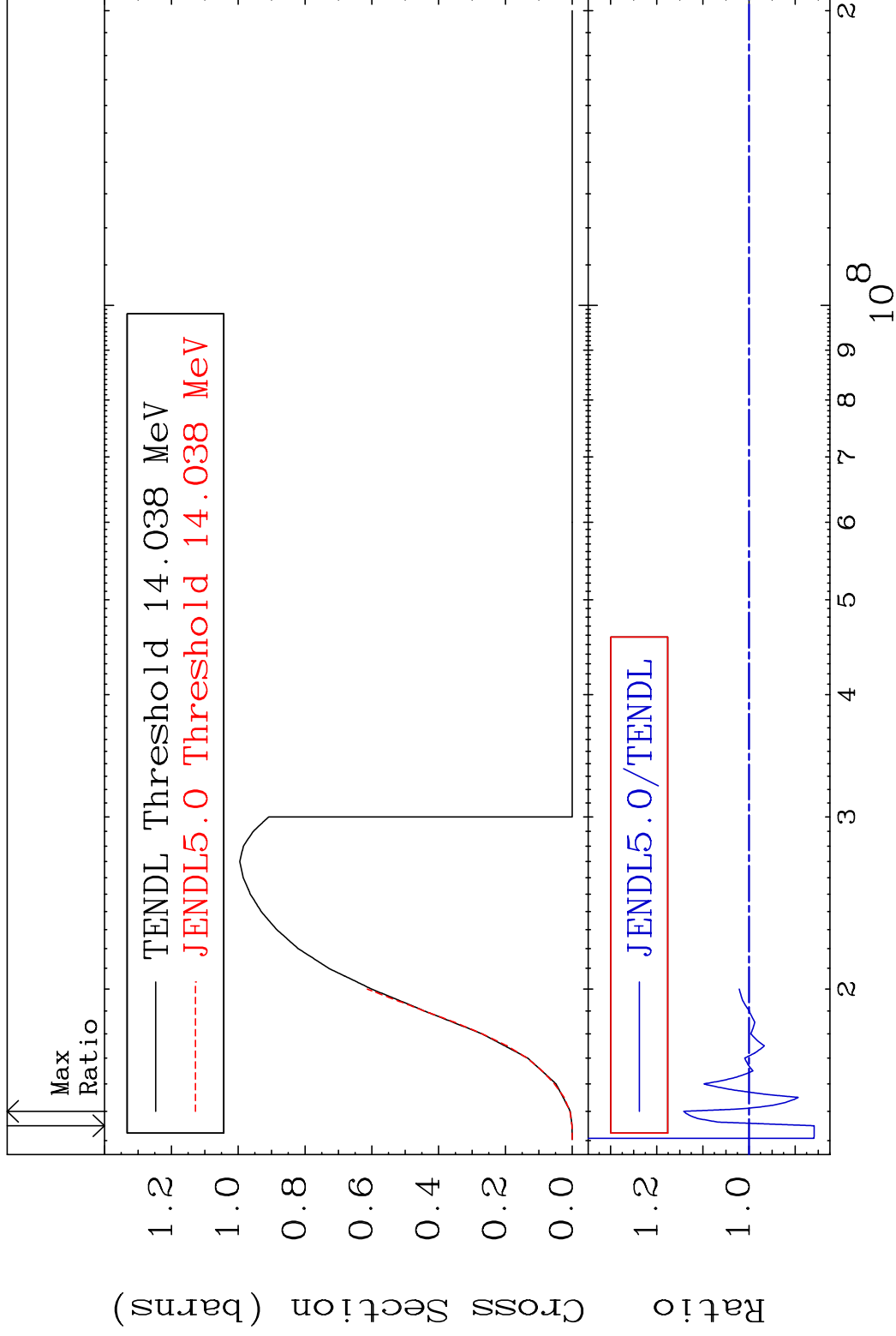
60-Nd-144

MAT 6031

(n,3n)

60-Nd-144

Cross Section -14.11 To 14.16 %



5

Incident Energy (eV)

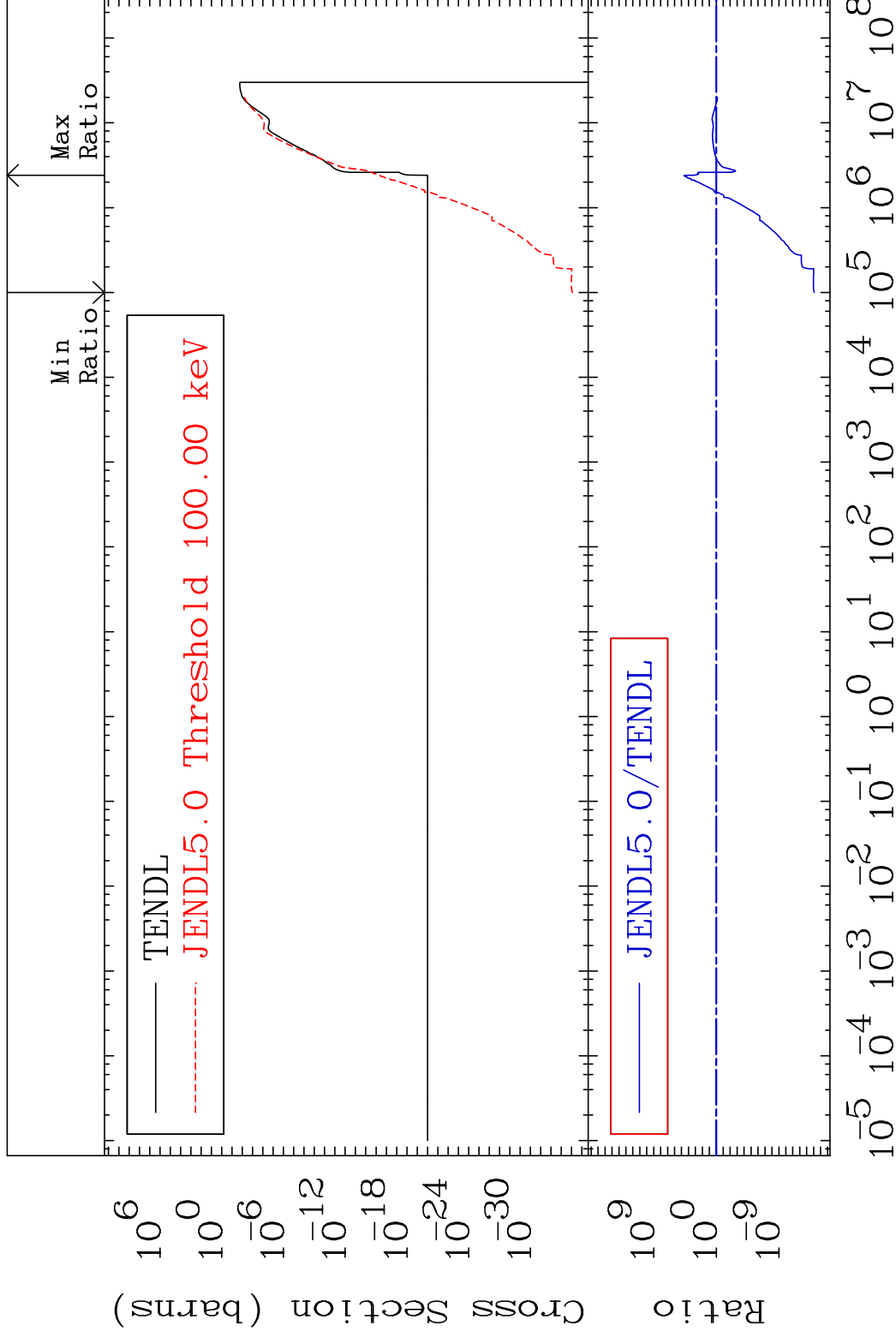
60-Nd-144

MAT 6031

(n, n')  $\alpha$

60-Nd-144

Cross Section -100.0 To 9999. %

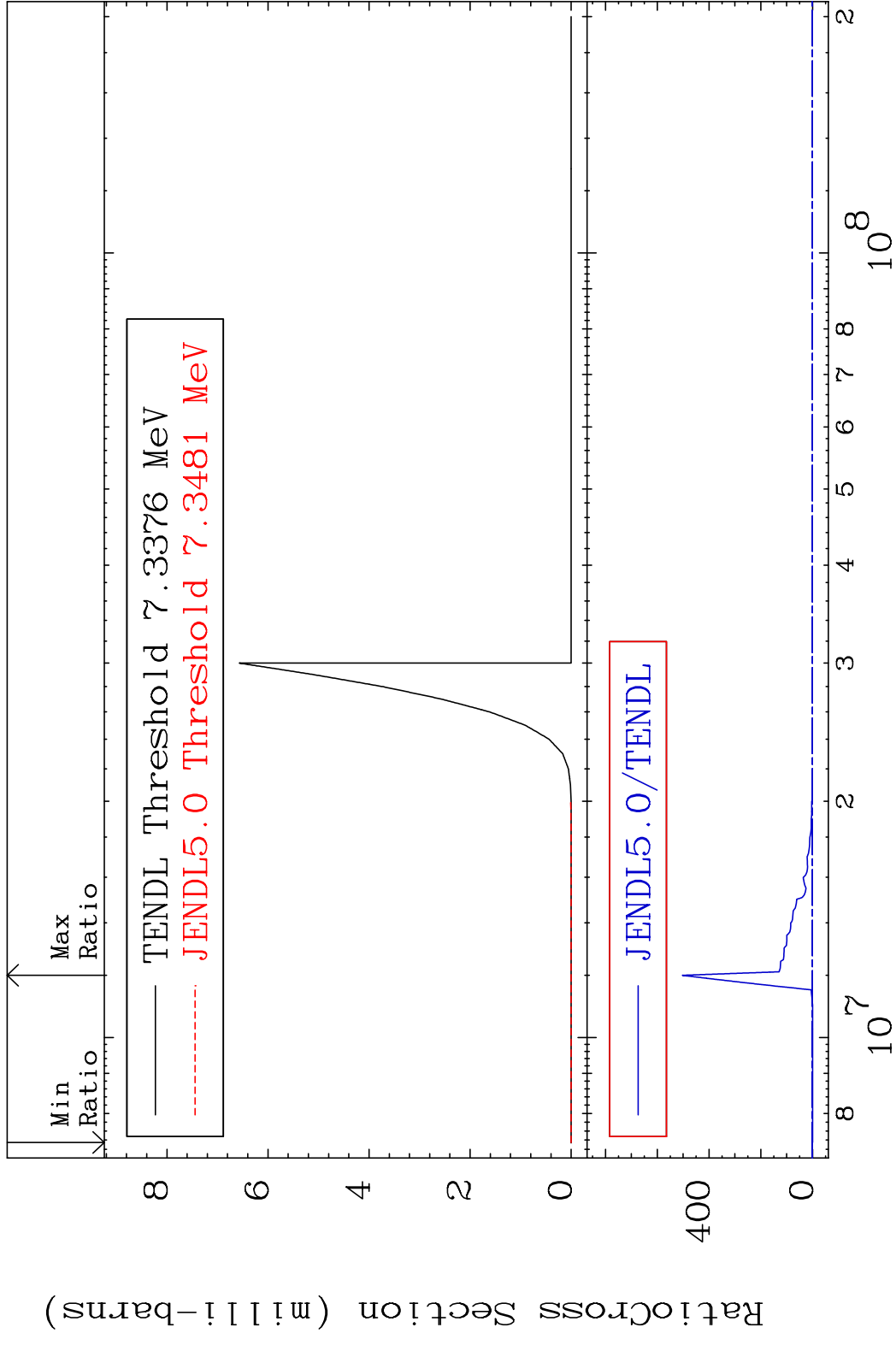


6

Incident Energy (eV)

60-Nd-144

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



7 Incident Energy (eV) 60-Nd-144

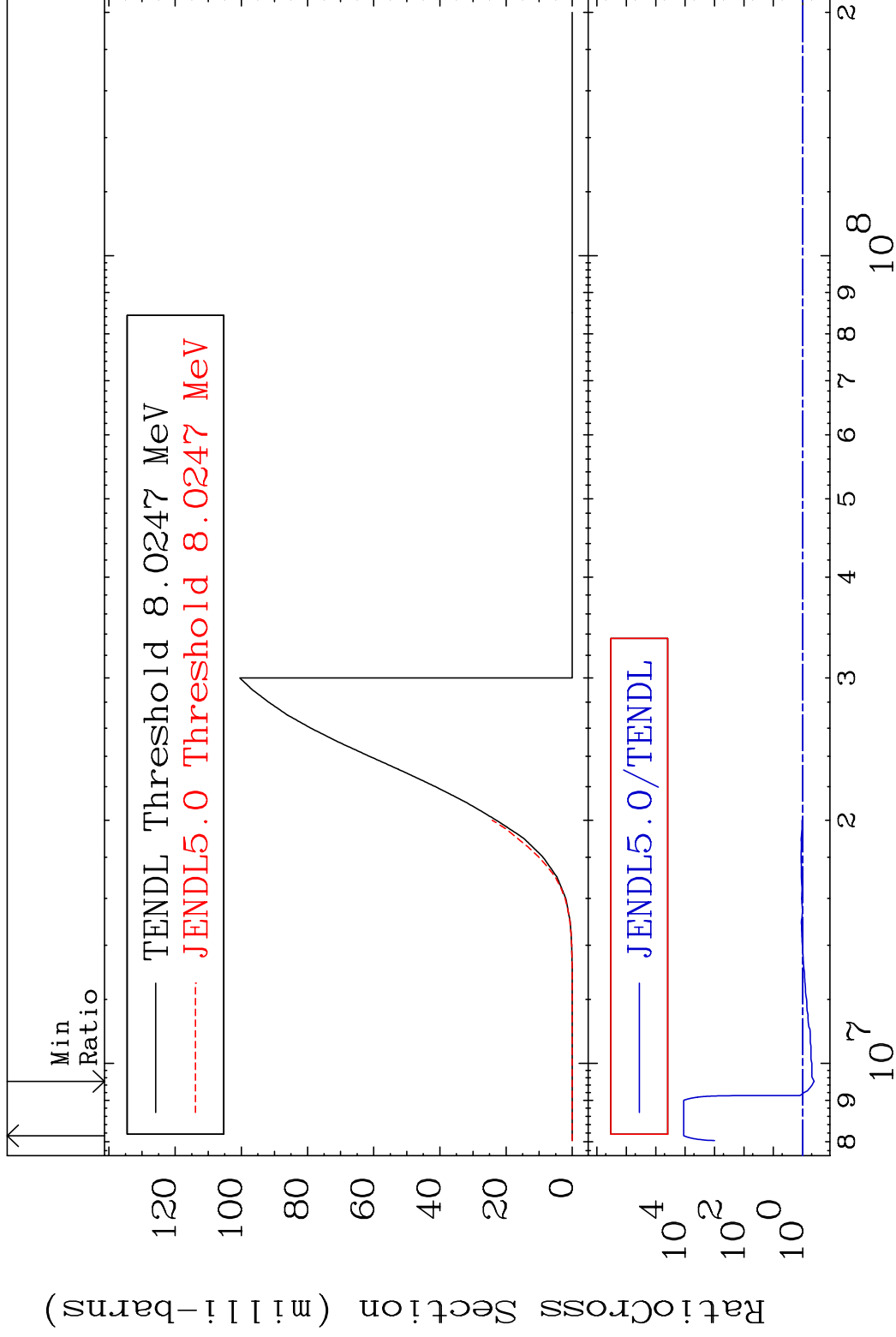


MAT 6031

(n, n') p

60-Nd-144

Cross Section -58.92 To 9999. %



8

Incident Energy (eV)

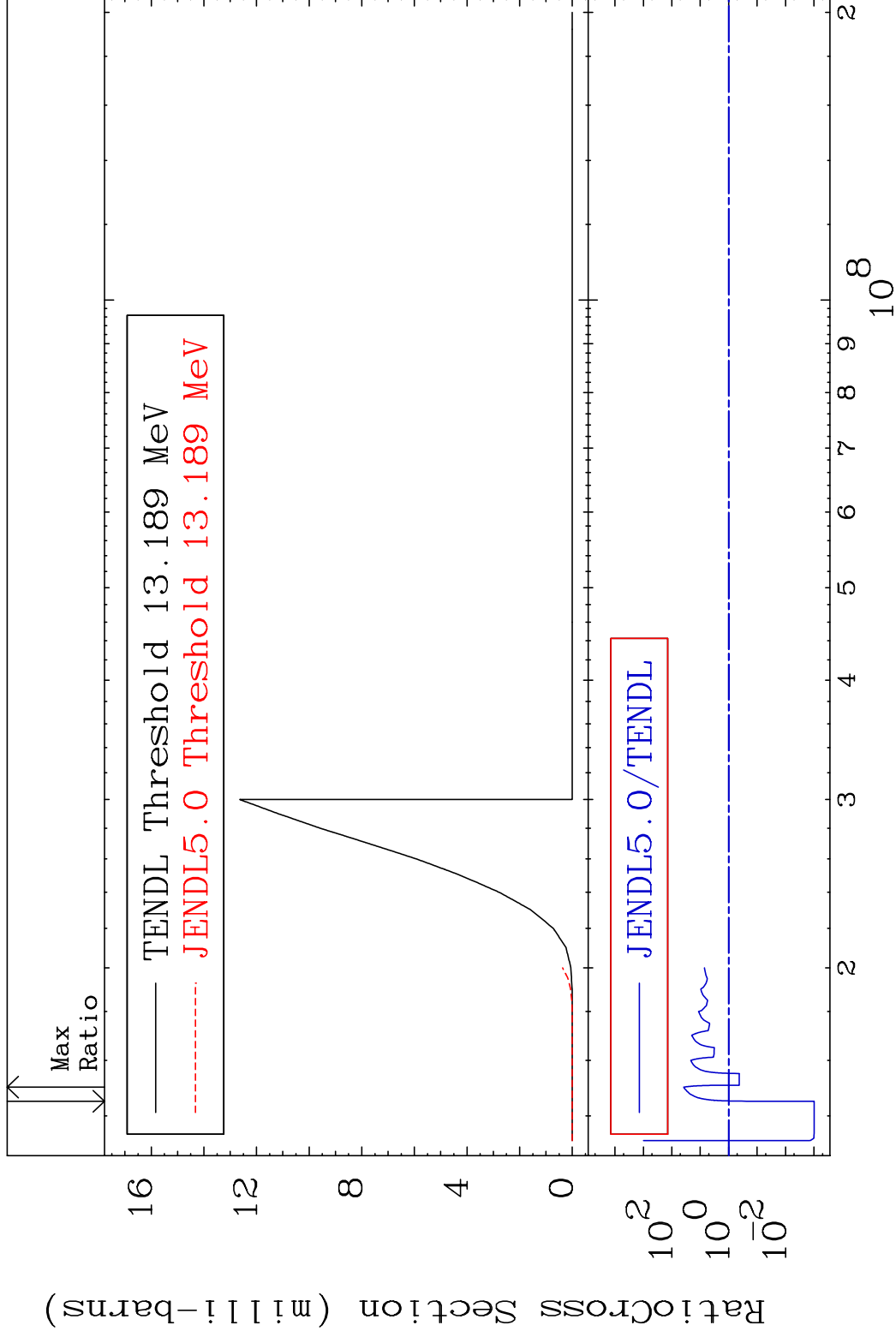
60-Nd-144

MAT 6031

(n, n') d

60-Nd-144

Cross Section -99.90 To 3726. %



9

Incident Energy (eV)

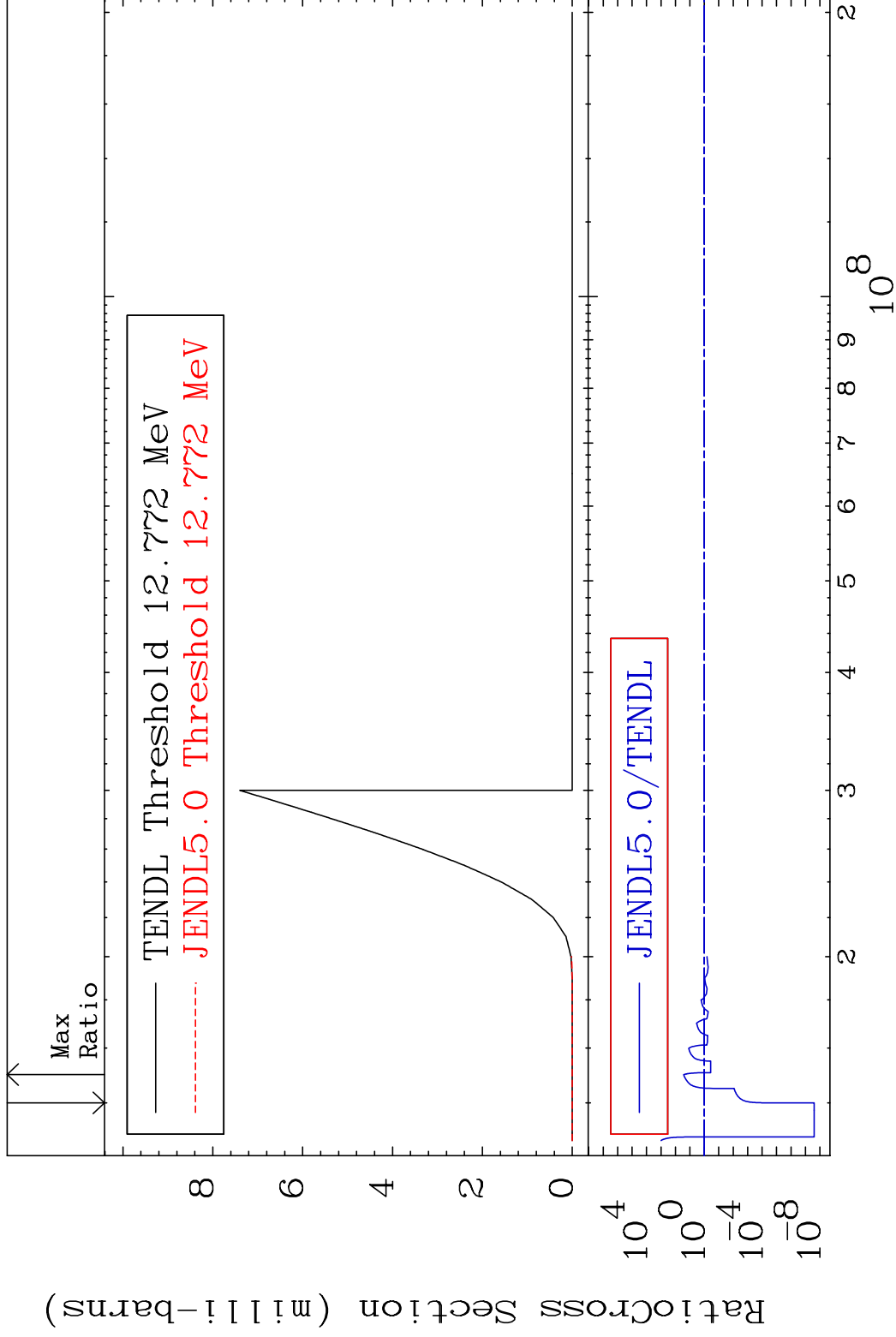
60-Nd-144

MAT 6031

(n, n') t

60-Nd-144

Cross Section -100.0 To 2586. %



10

Incident Energy (eV)

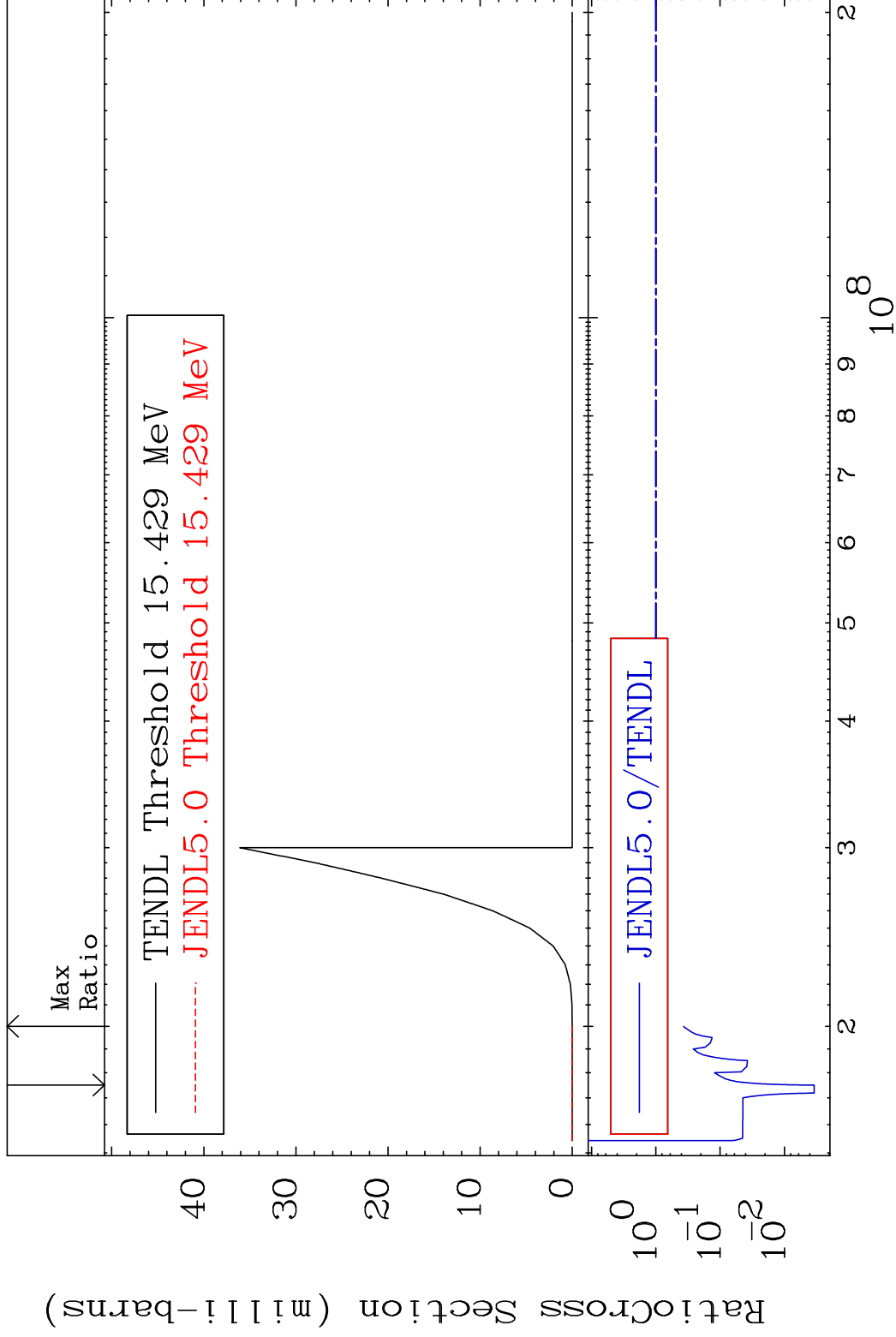
60-Nd-144

MAT 6031

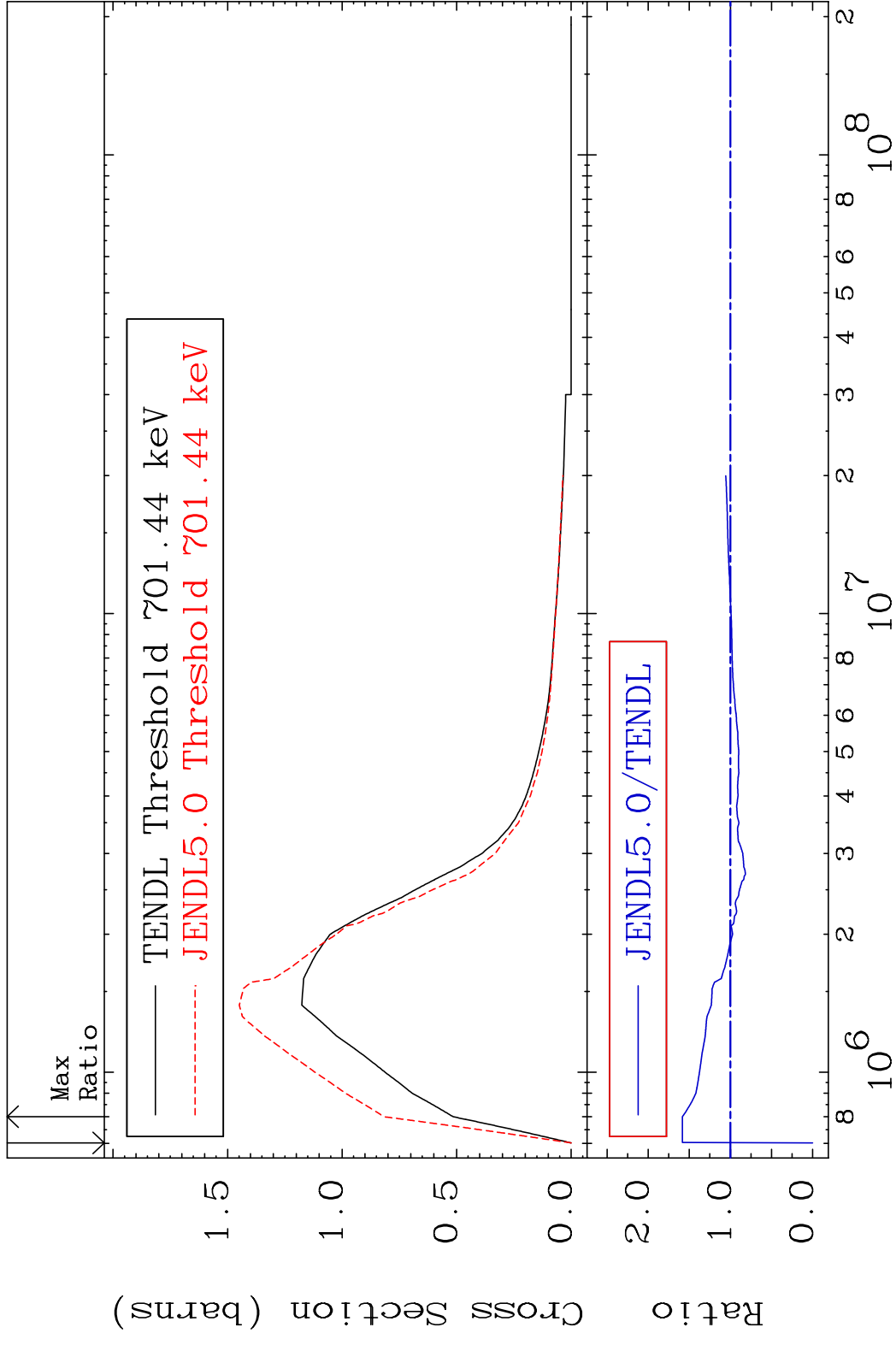
(n,2n) p

60-Nd-144

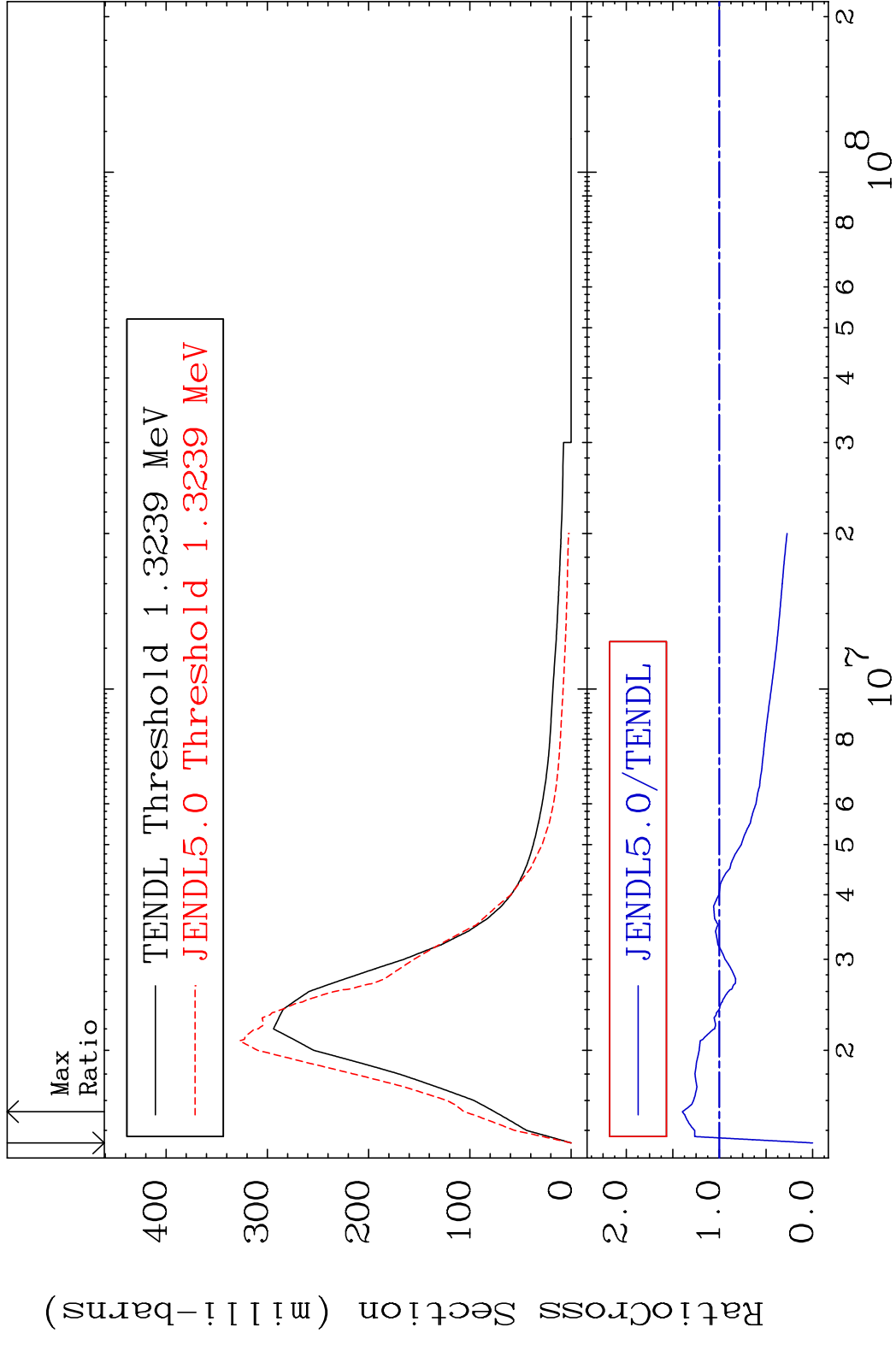
Cross Section -99.66 To -63.07%



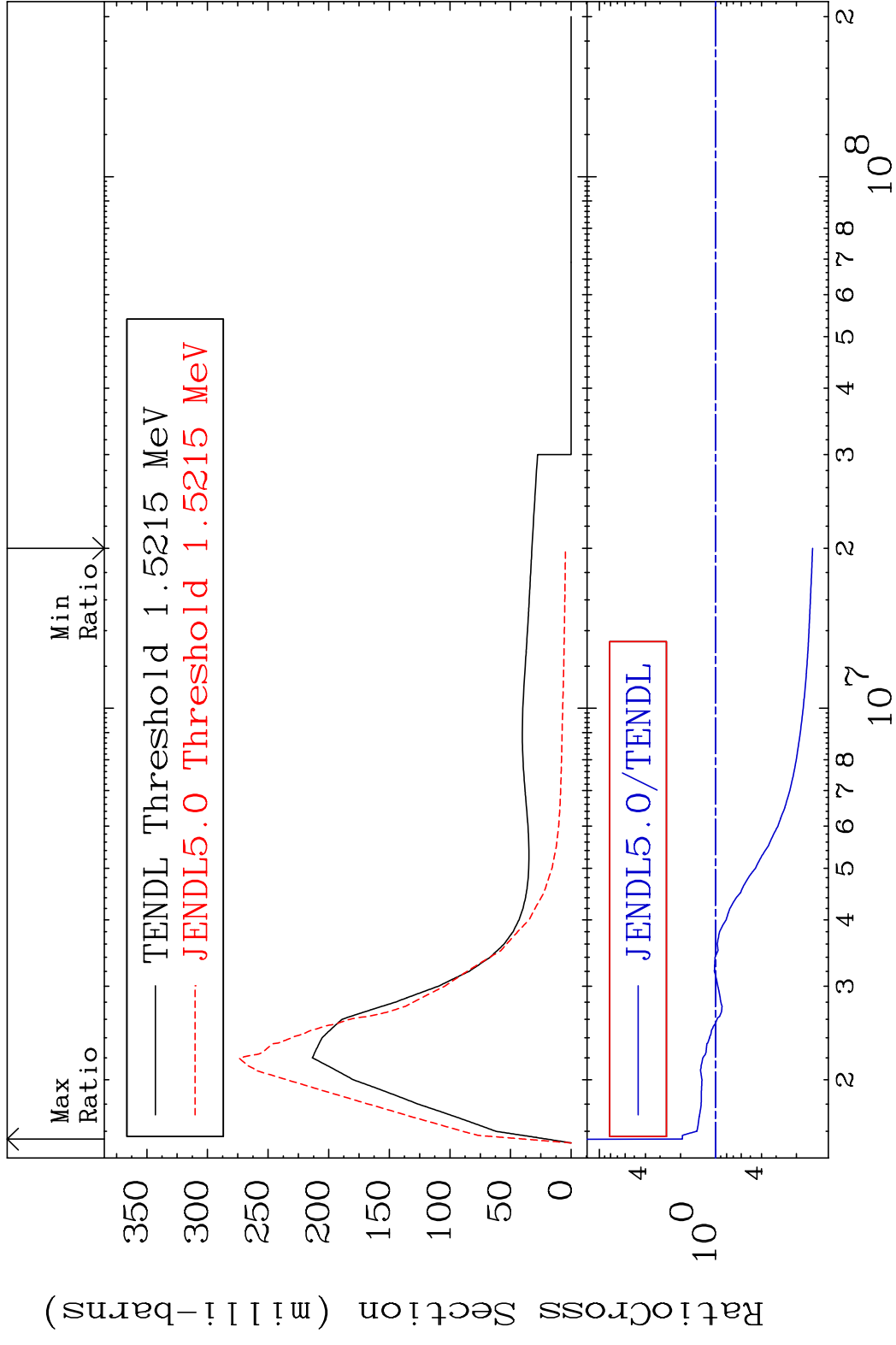
MAT 6031 MT= 51 (n,n') Level 60-Nd-144  
 Cross Section -100.0 To 58.48 %



MAT 6031 MT= 52 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 39.78 %

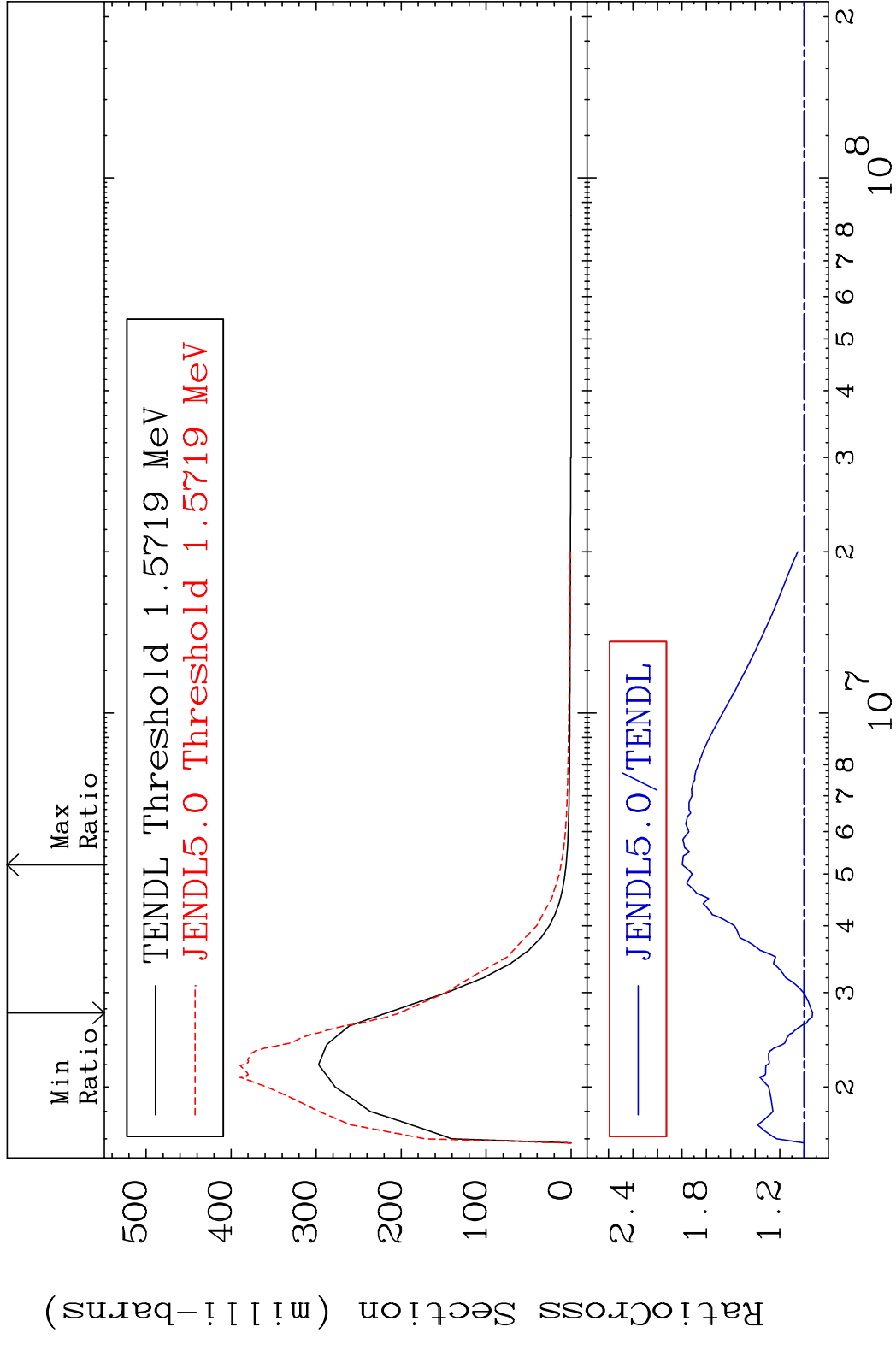


MAT 6031 MT= 53 (n, n') Level 60-Nd-144  
 Cross Section -85.46 To 92.59 %



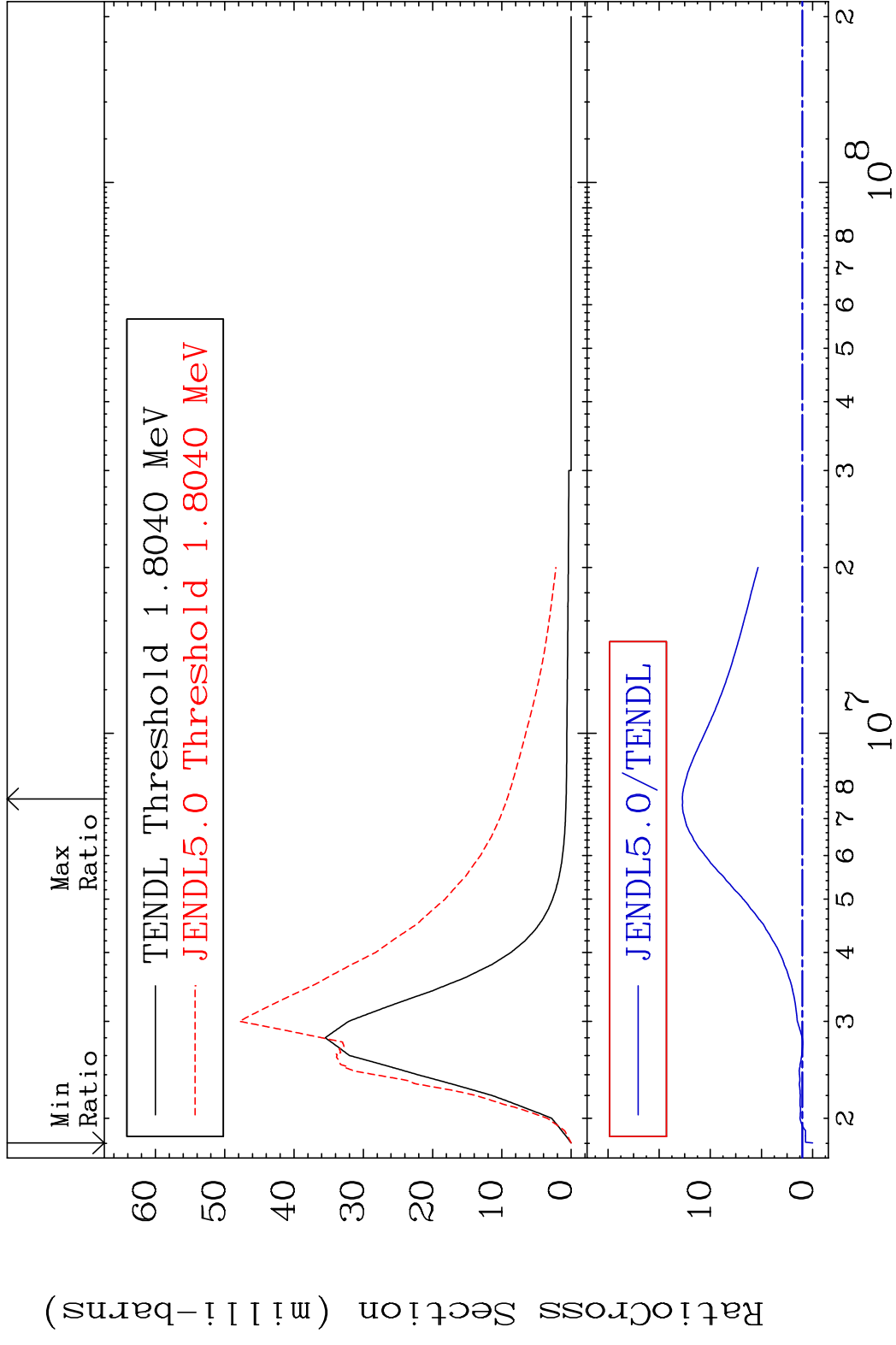
14 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 54 (n,n') Level 60-Nd-144  
 Cross Section -6.899 To 99.63 %

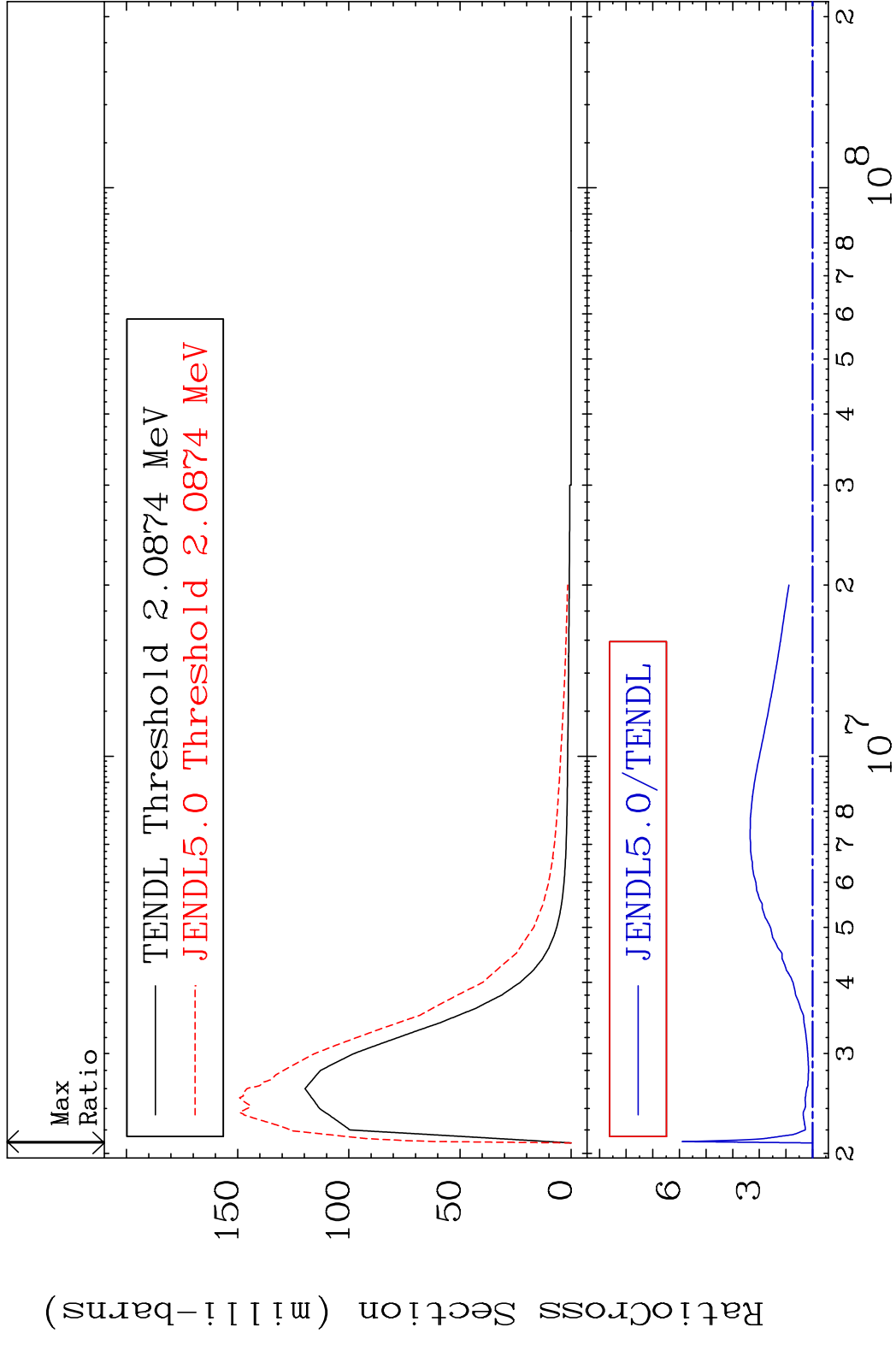




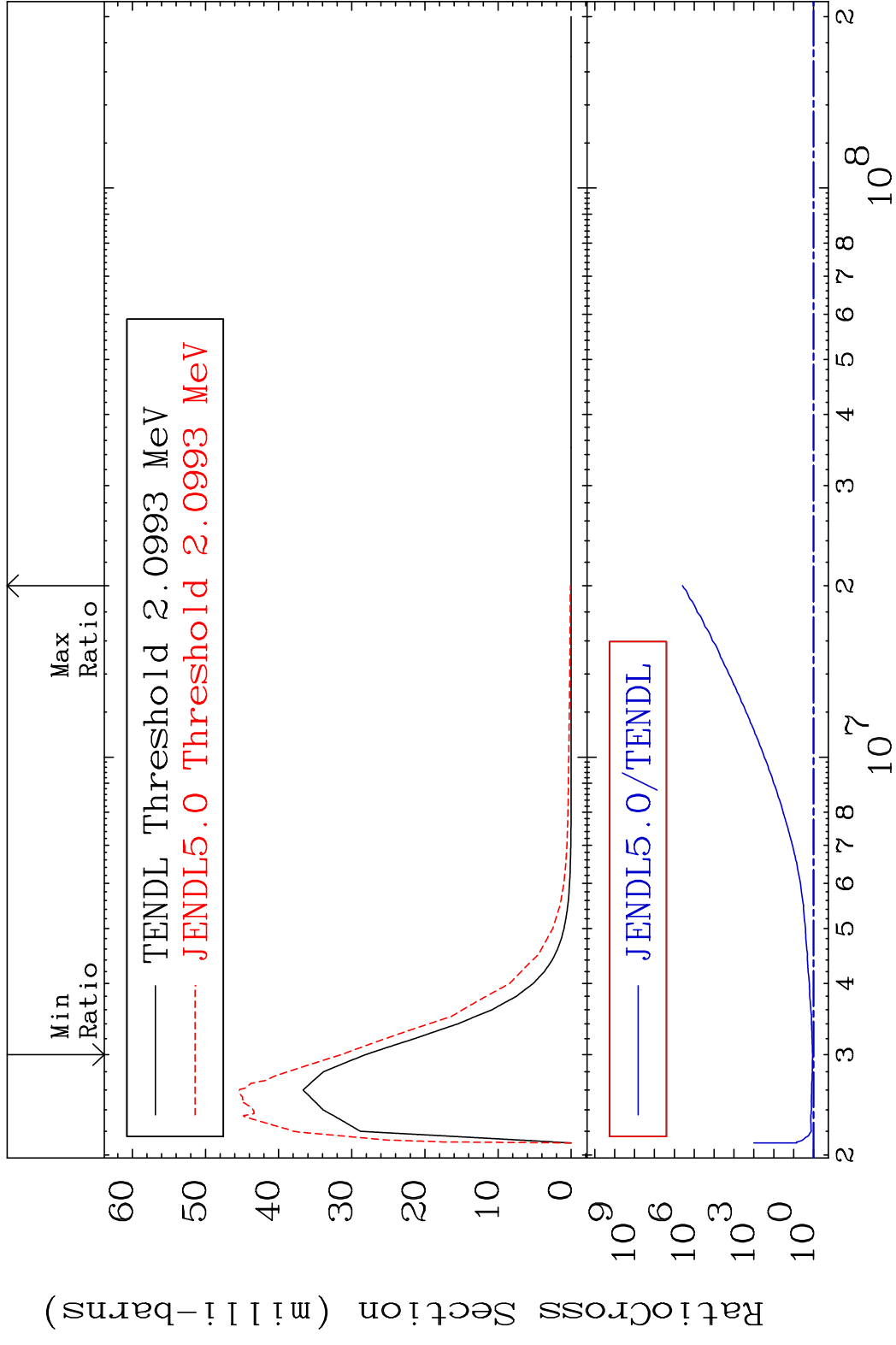
MAT 6031 MT= 55 (n,n') Level 60-Nd-144  
 Cross Section -100.0 To 1173. %



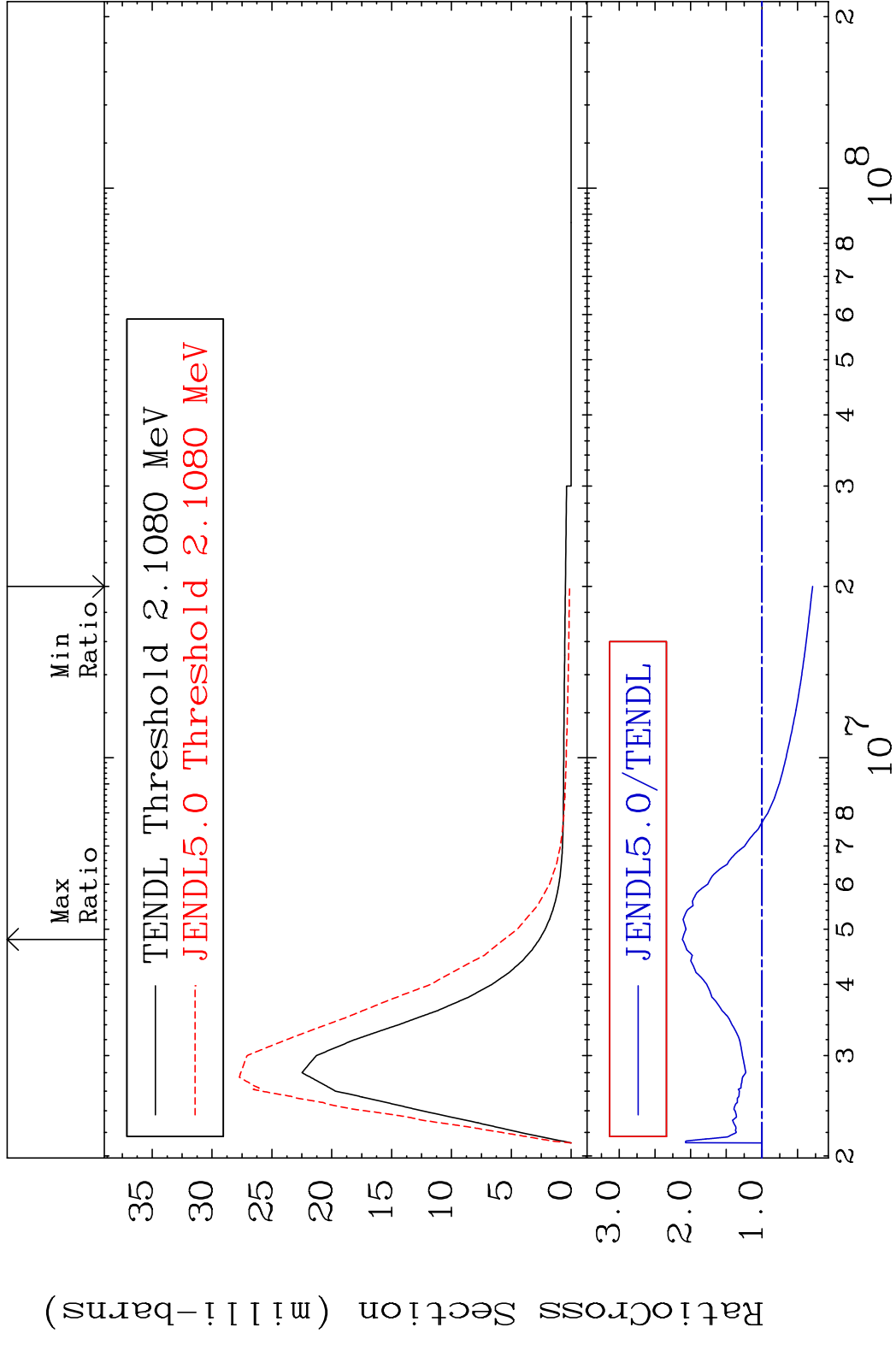
MAT 6031 MT= 56 (n,n') Level 60-Nd-144  
 Cross Section 0.000 To 489.0 %



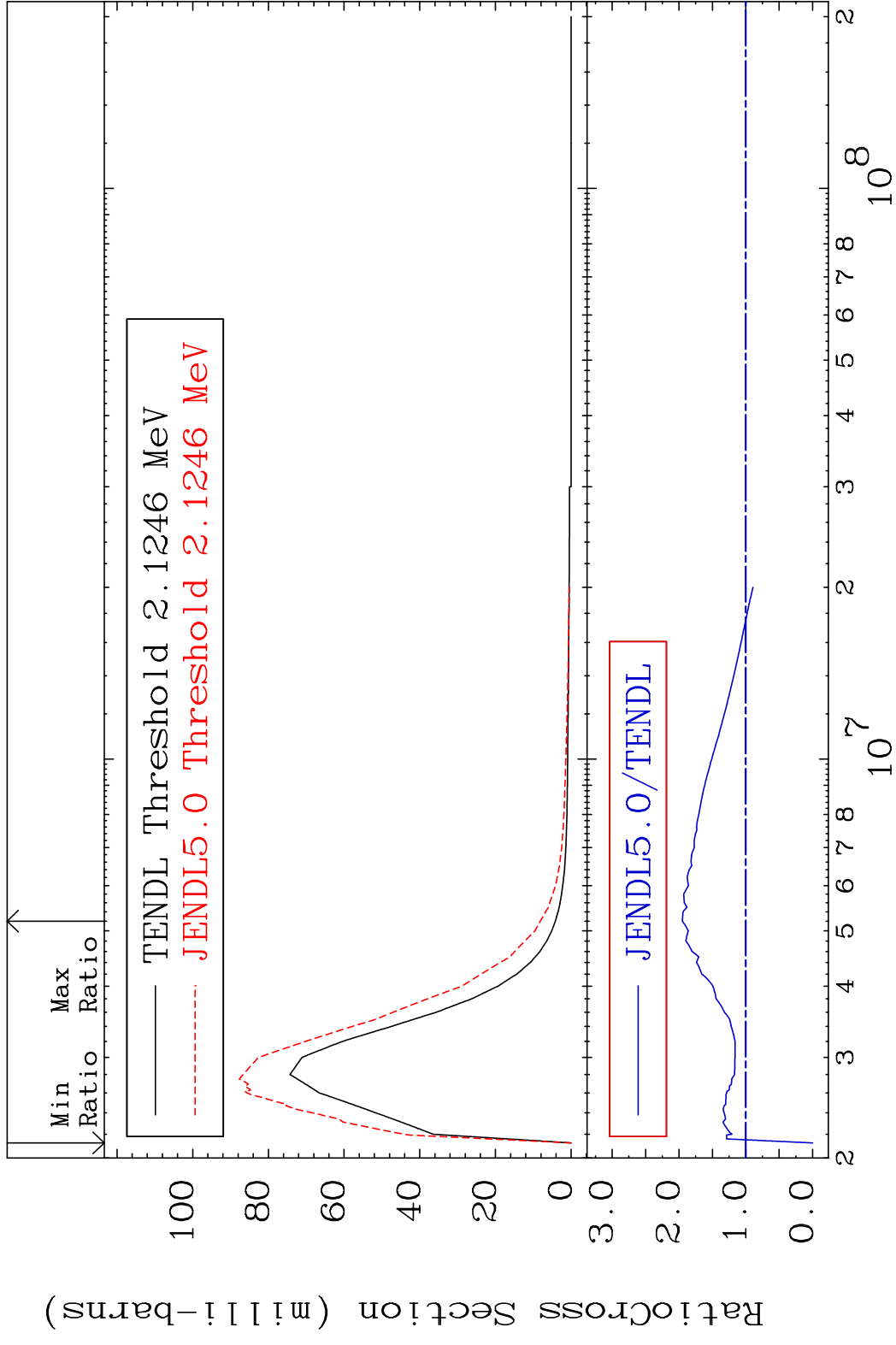
MAT 6031 MT= 57 (n, n') Level 60-Nd-144  
 Cross Section 11.82 To 9999. %



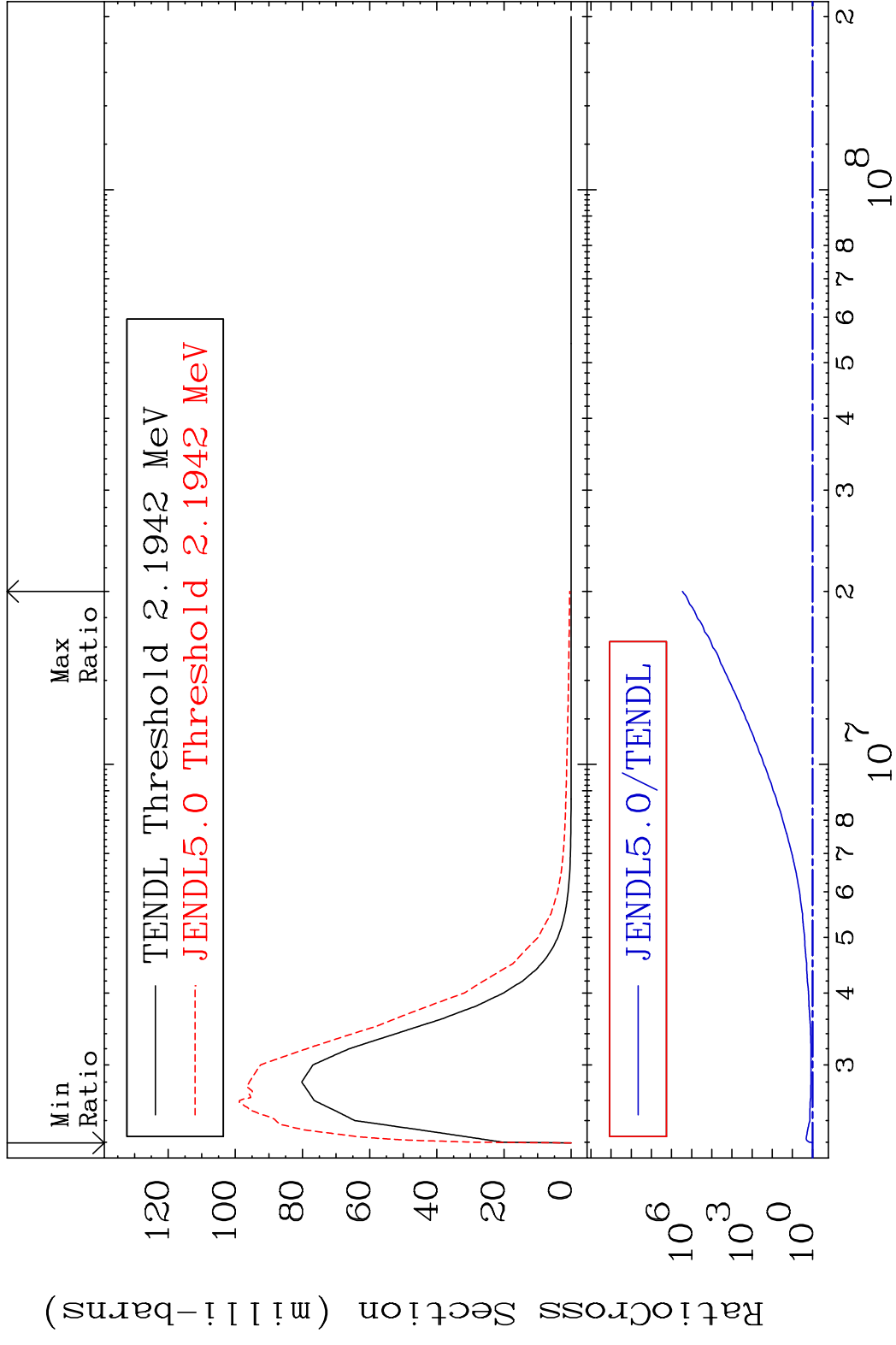
MAT 6031 MT= 58 (n, n') Level 60-Nd-144  
 Cross Section -70.90 To 111.6 %



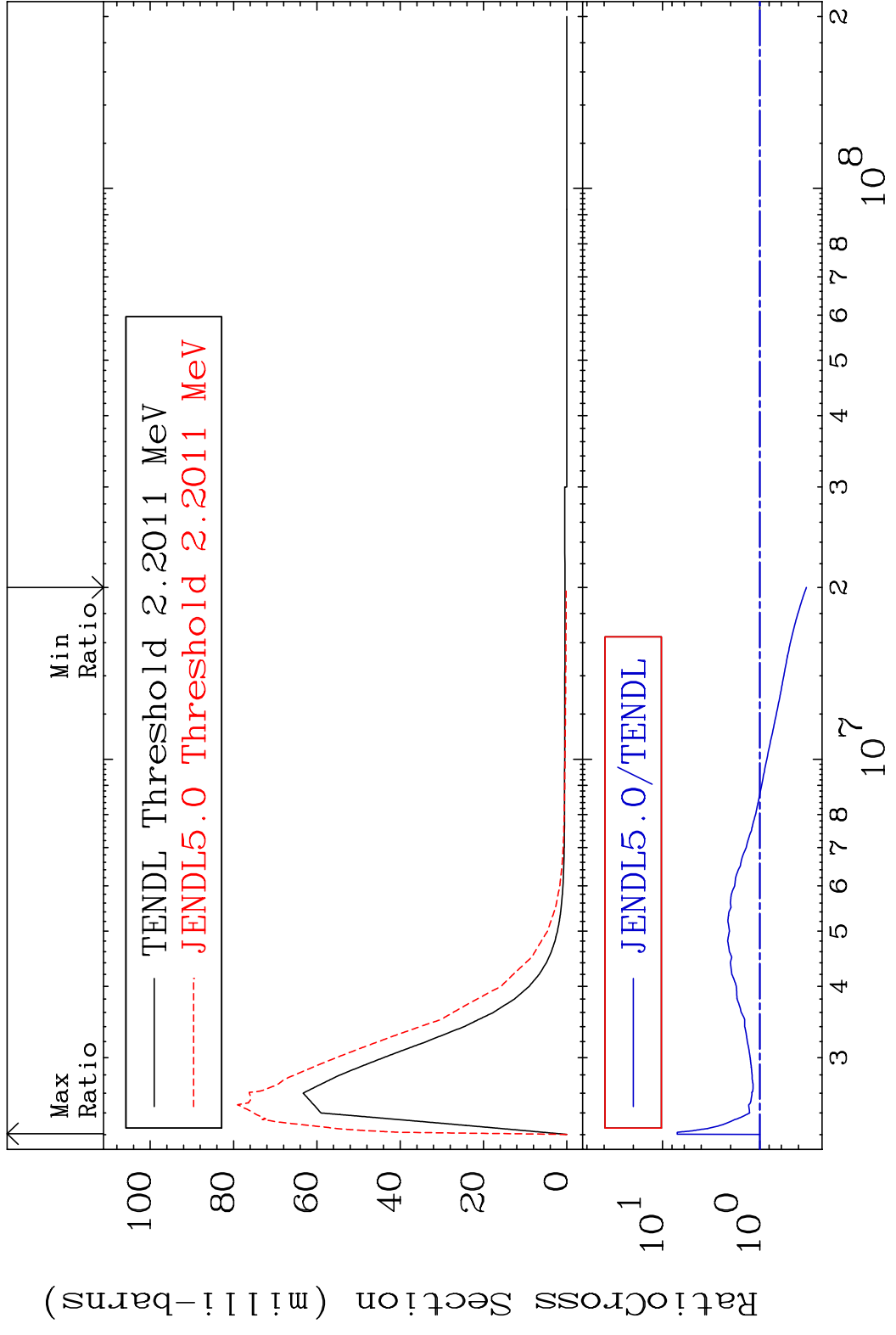
MAT 6031 MT= 59 (n,n') Level 60-Nd-144  
 Cross Section -100.0 To 94.97 %



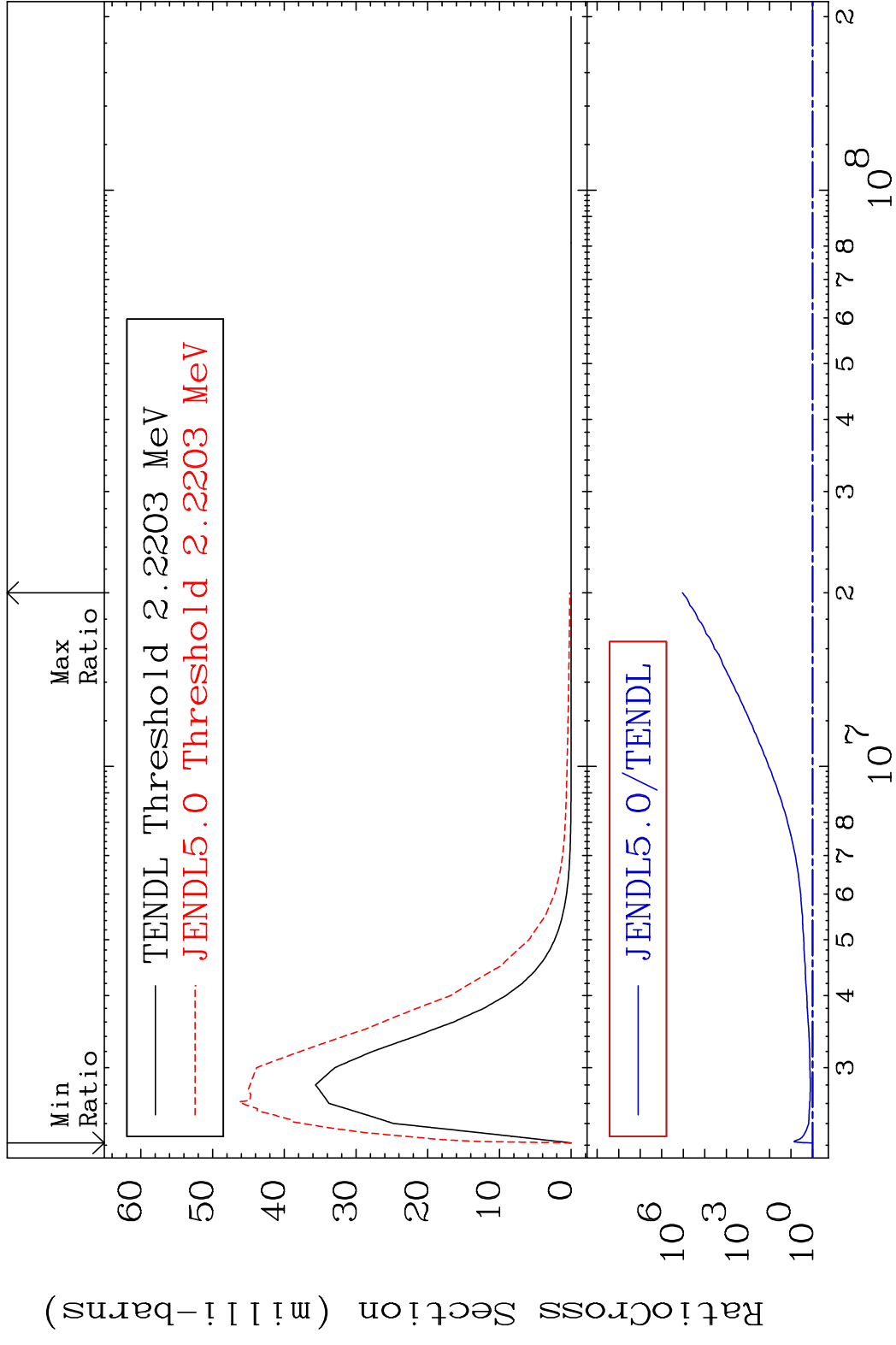
MAT 6031 MT= 60 (n, n') Level 60-Nd-144  
 Cross Section 0.000 To 9999. %



MAT 6031 MT= 61 (n, n') Level 60-Nd-144  
 Cross Section -66.85 To 607.9 %

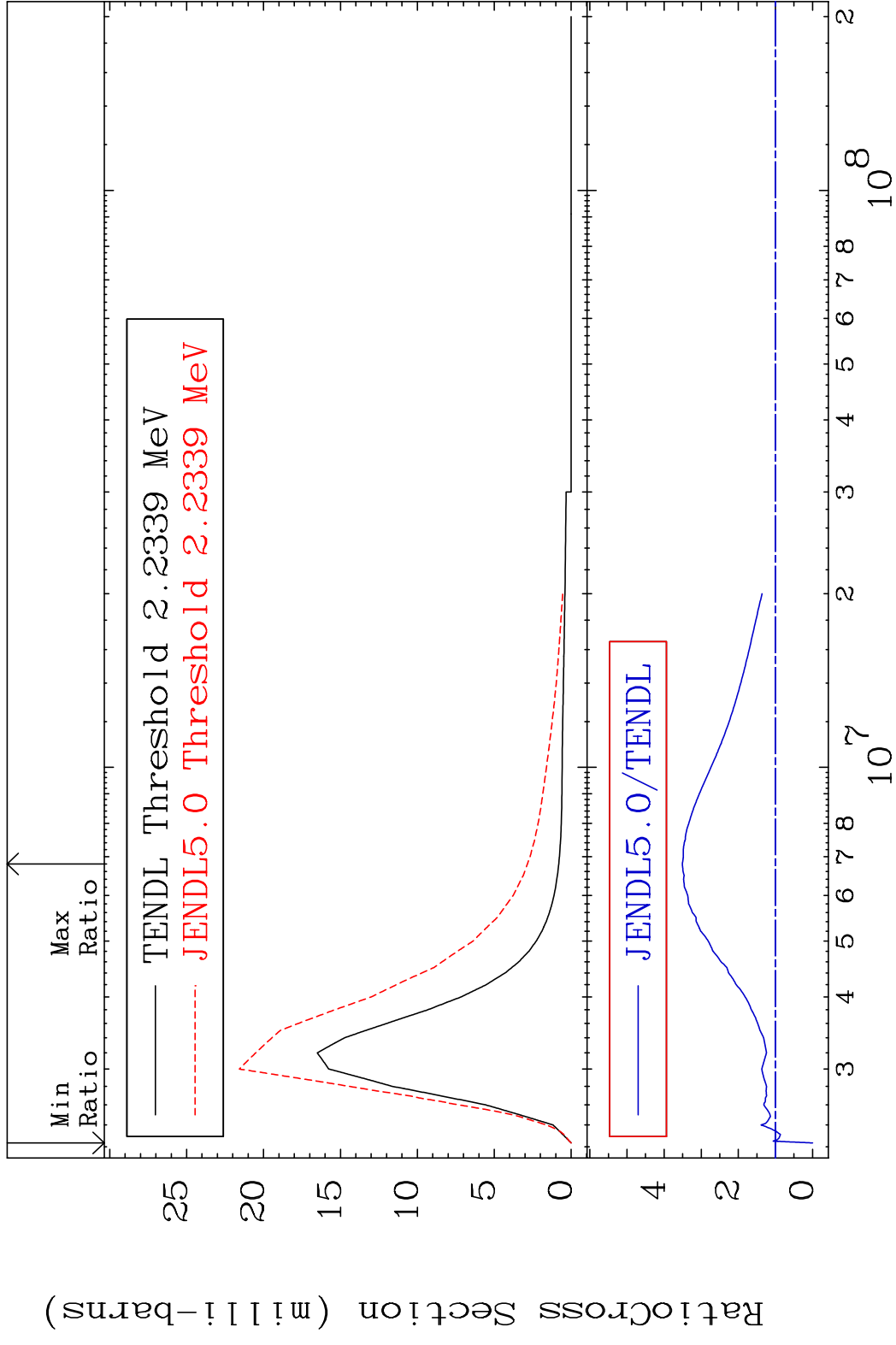


MAT 6031 MT= 62 (n, n') Level 60-Nd-144  
 Cross Section 0.000 To 9999. %

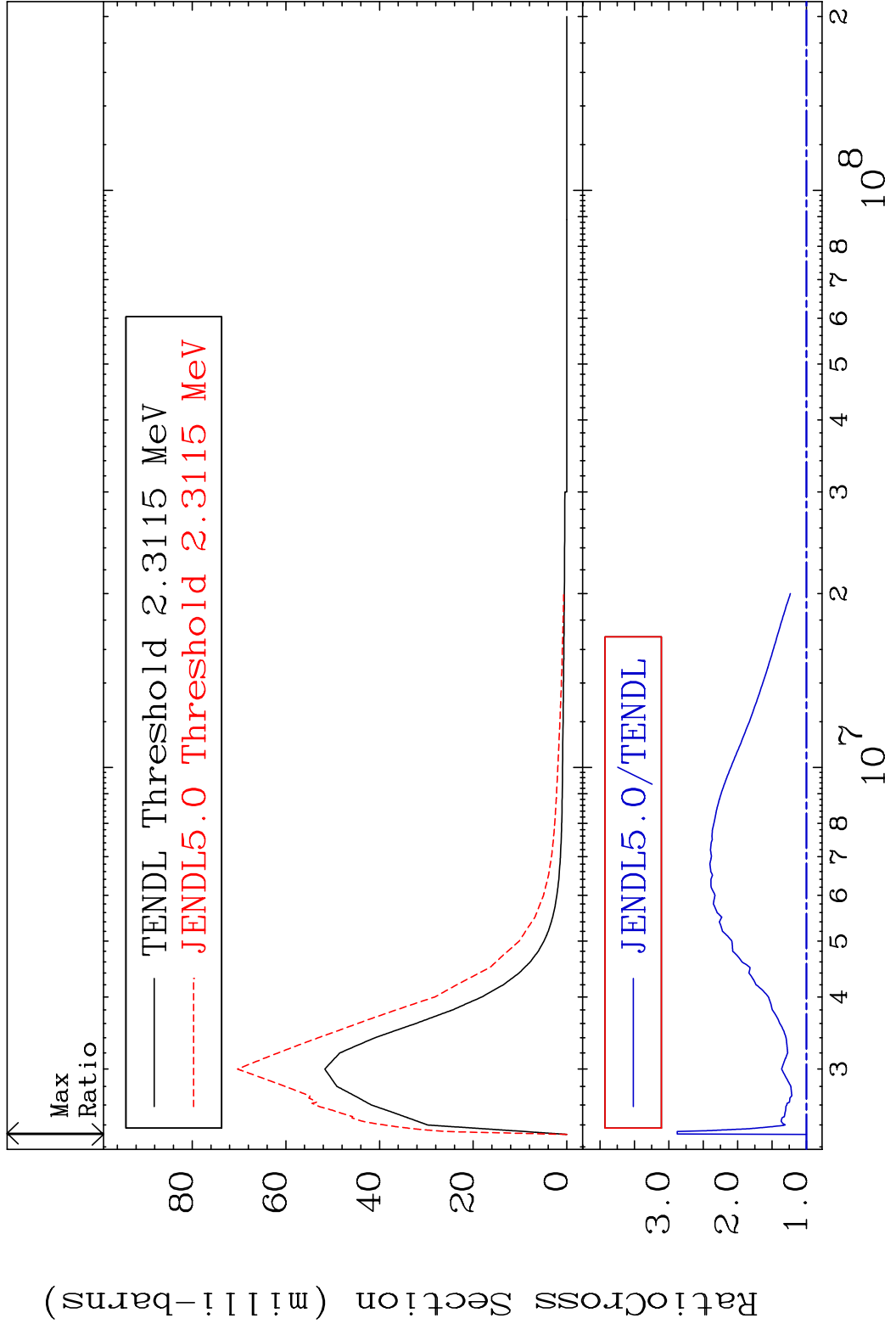




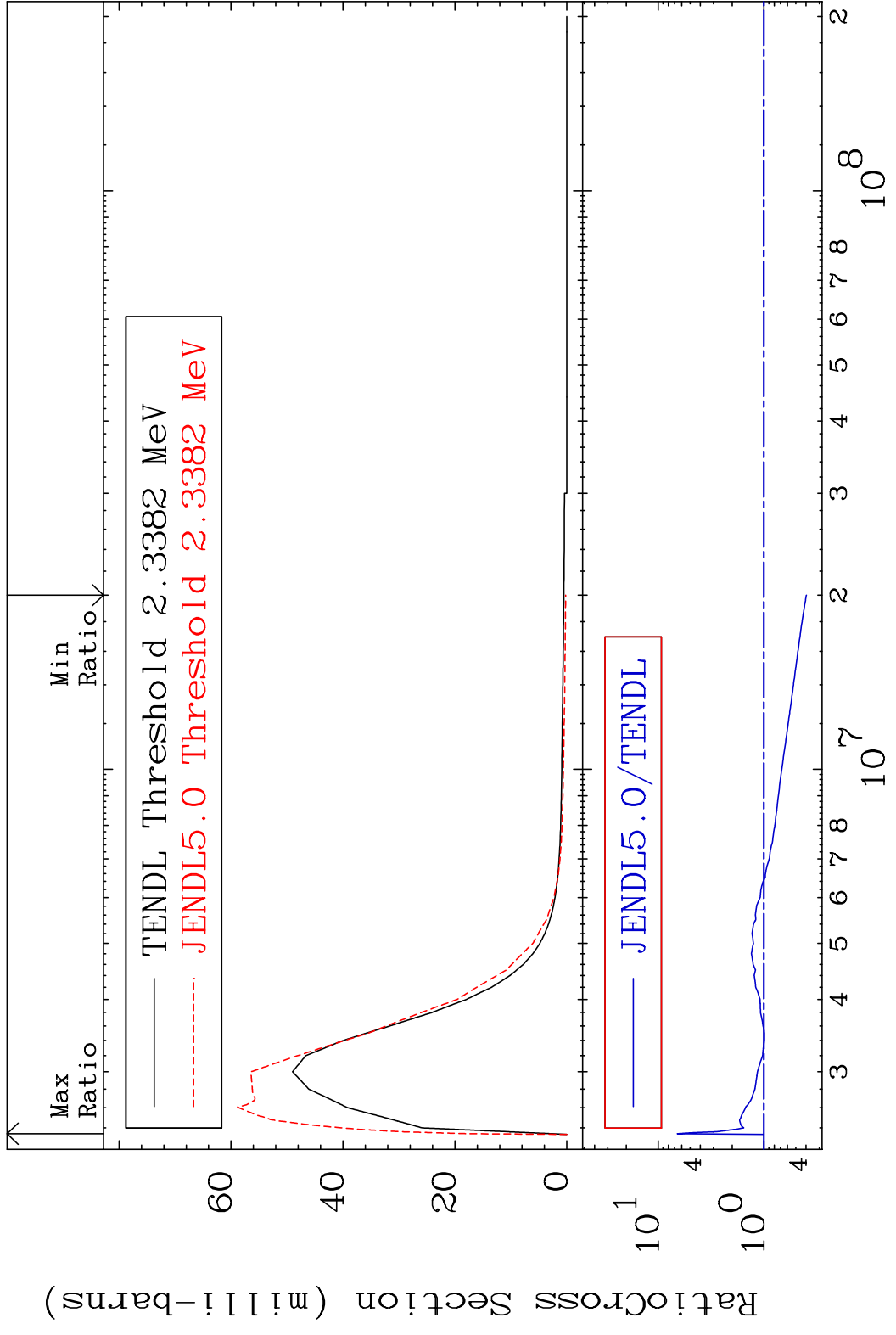
MAT 6031 MT= 63 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 250.8 %



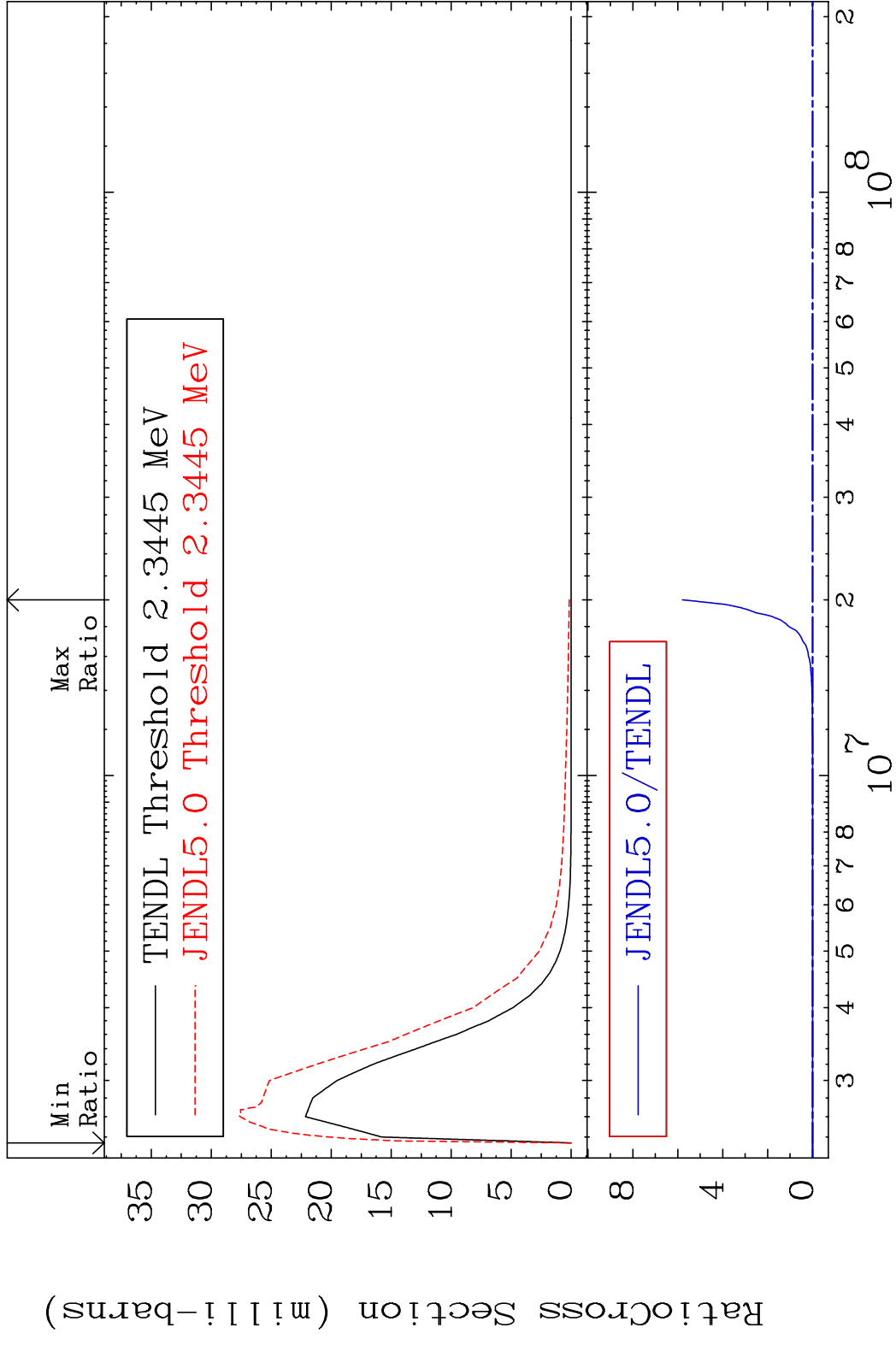
MAT 6031 MT= 64 (n, n') Level 60-Nd-144  
 Cross Section 0.000 To 187.9 %



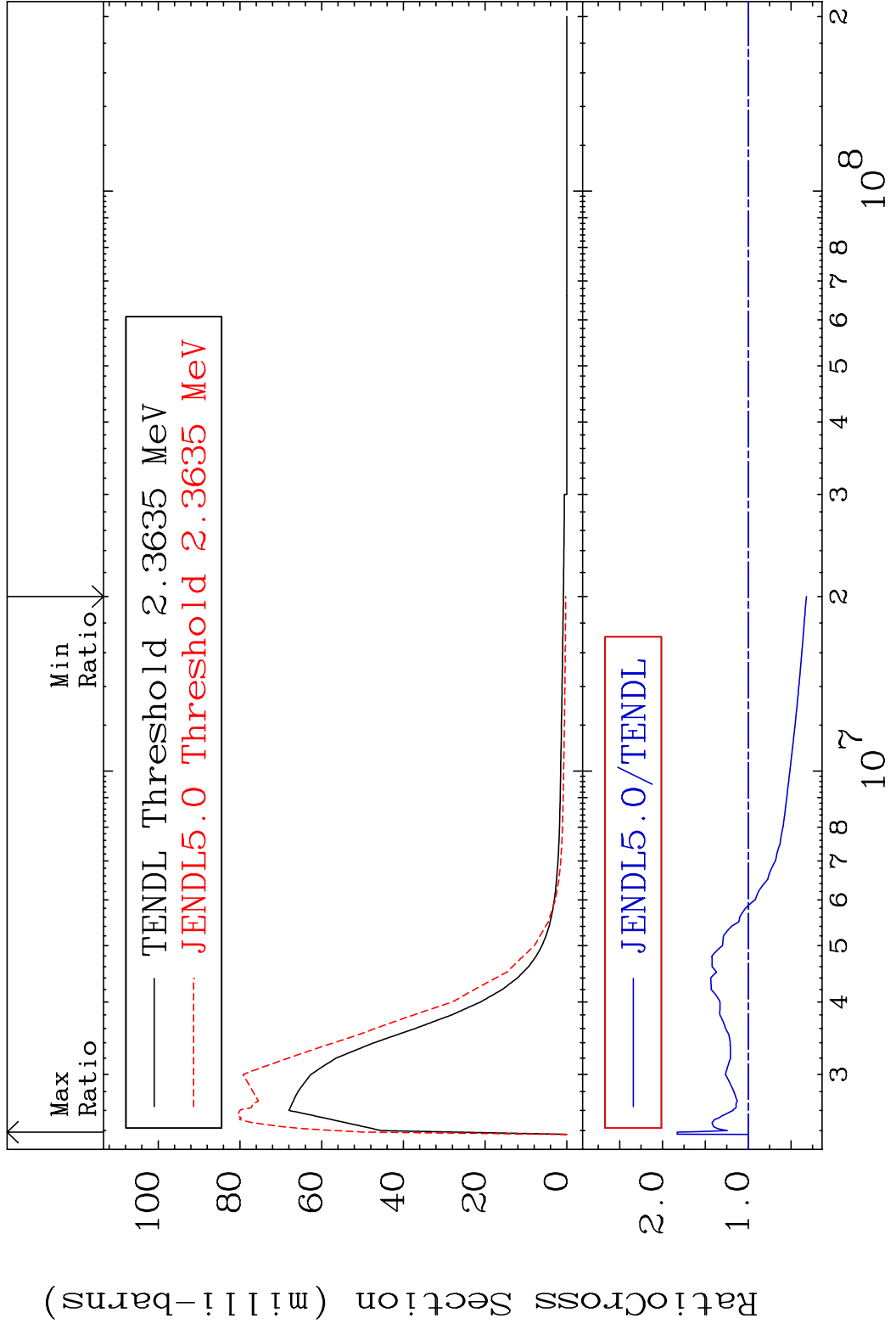
MAT 6031 MT= 65 (n,n') Level 60-Nd-144  
 Cross Section -60.30 To 561.7 %



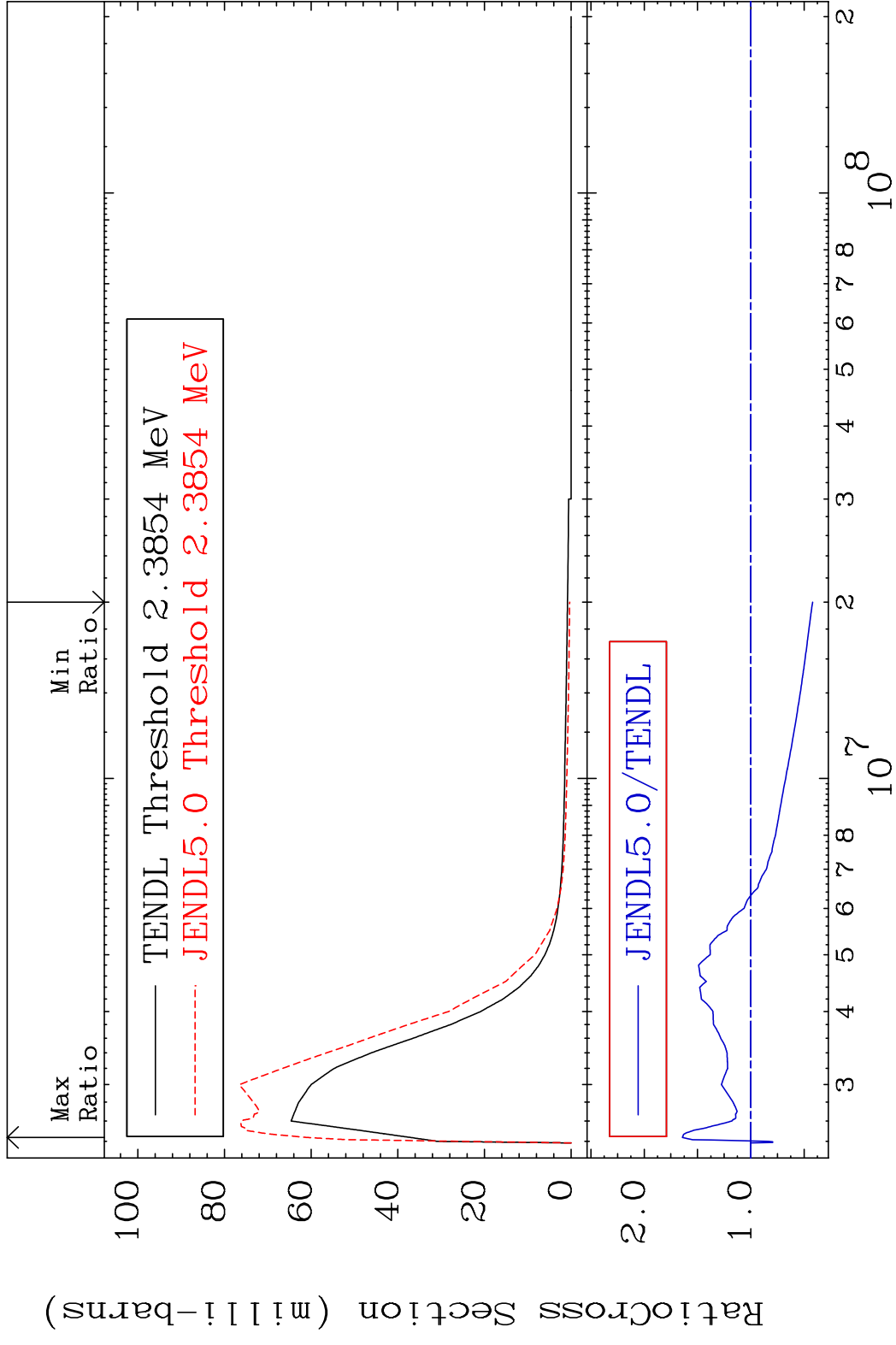
MAT 6031 MT= 66 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 9999. %



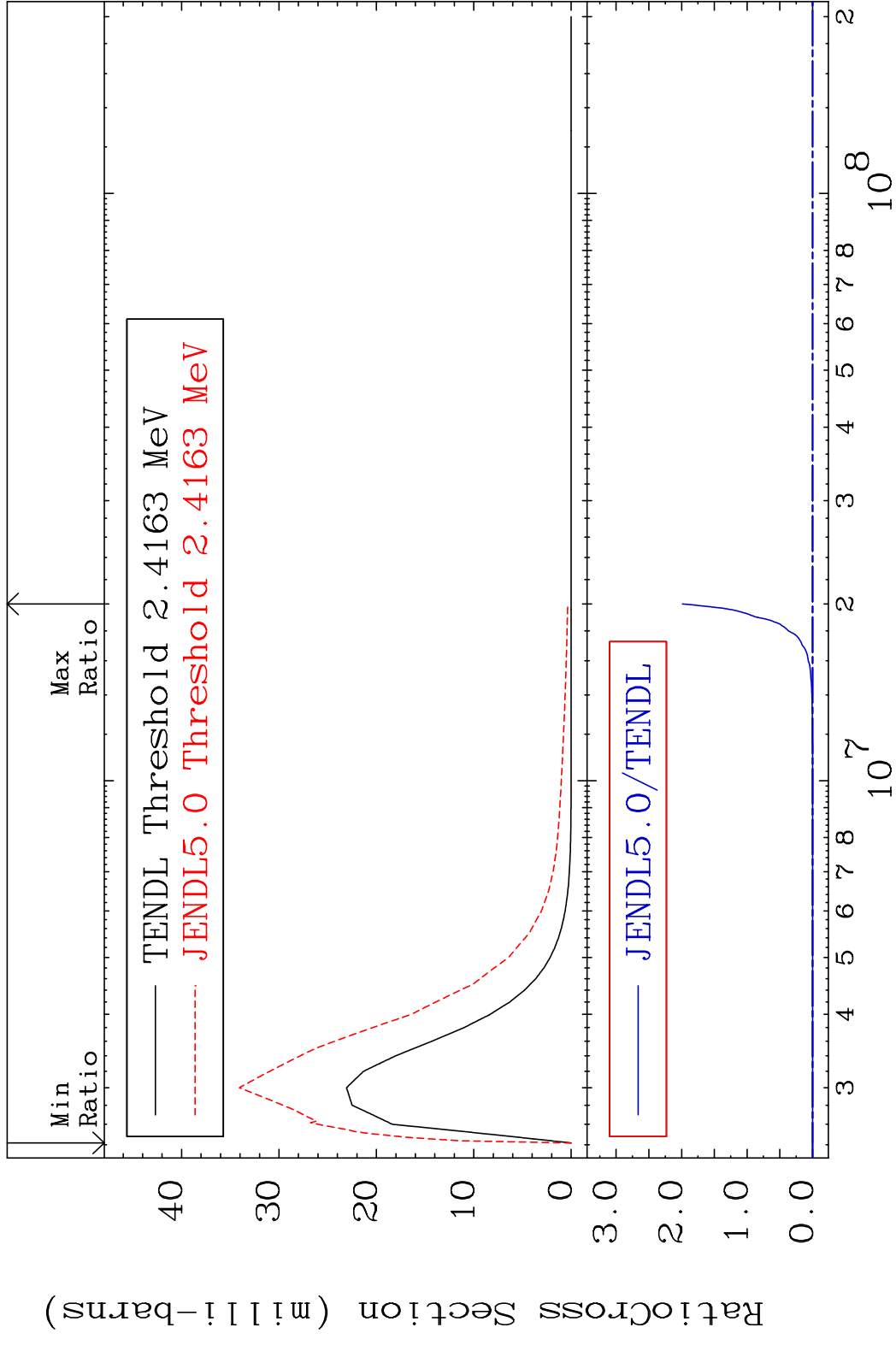
MAT 6031 MT= 67 (n,n') Level 60-Nd-144  
 Cross Section -67.93 To 82.87 %



MAT 6031 MT= 68 (n,n') Level 60-Nd-144  
 Cross Section -57.97 To 64.20 %

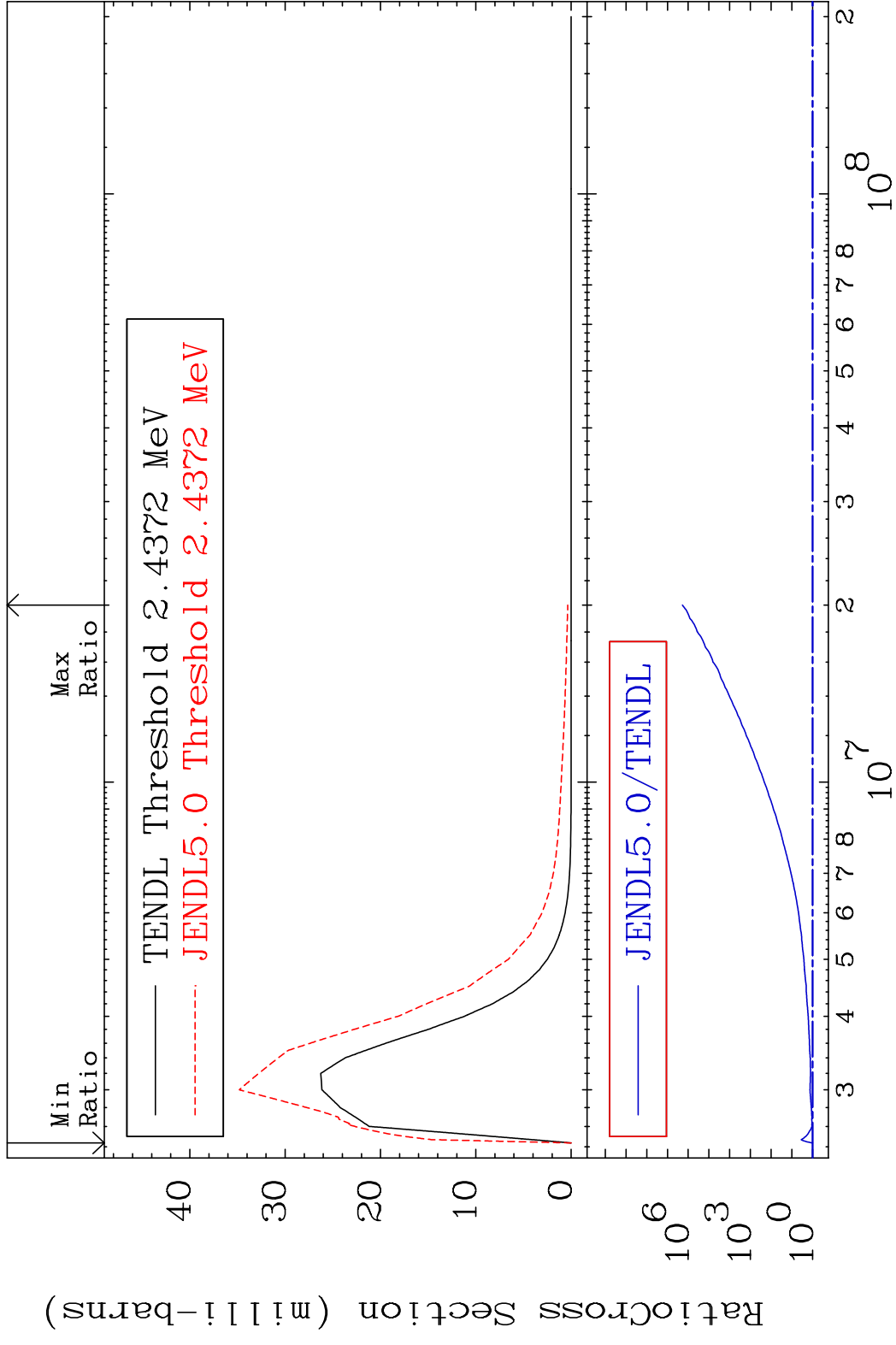


MAT 6031 MT= 69 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 9999. %



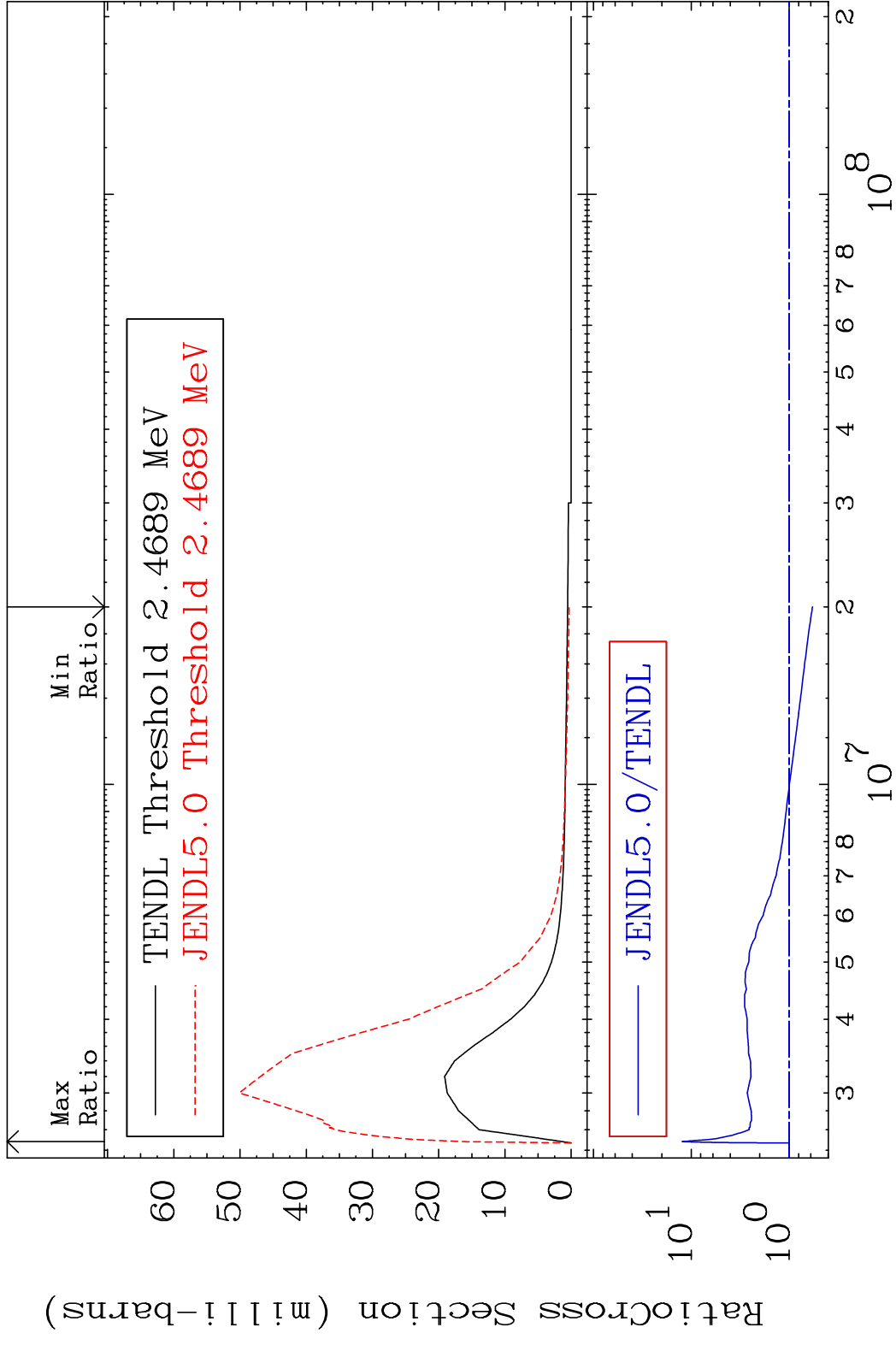
30 Incident Energy (eV) 60-Nd-144

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

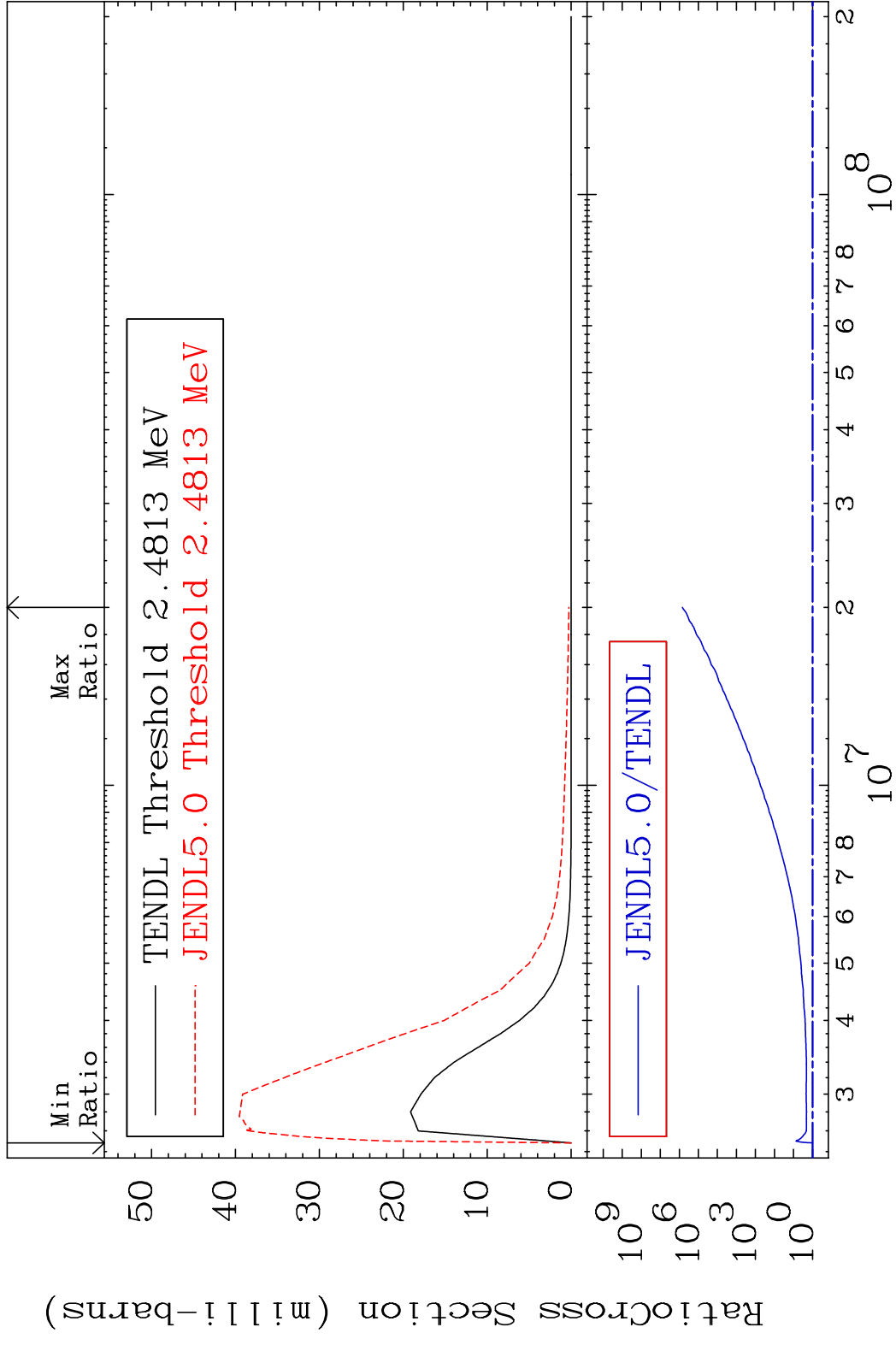




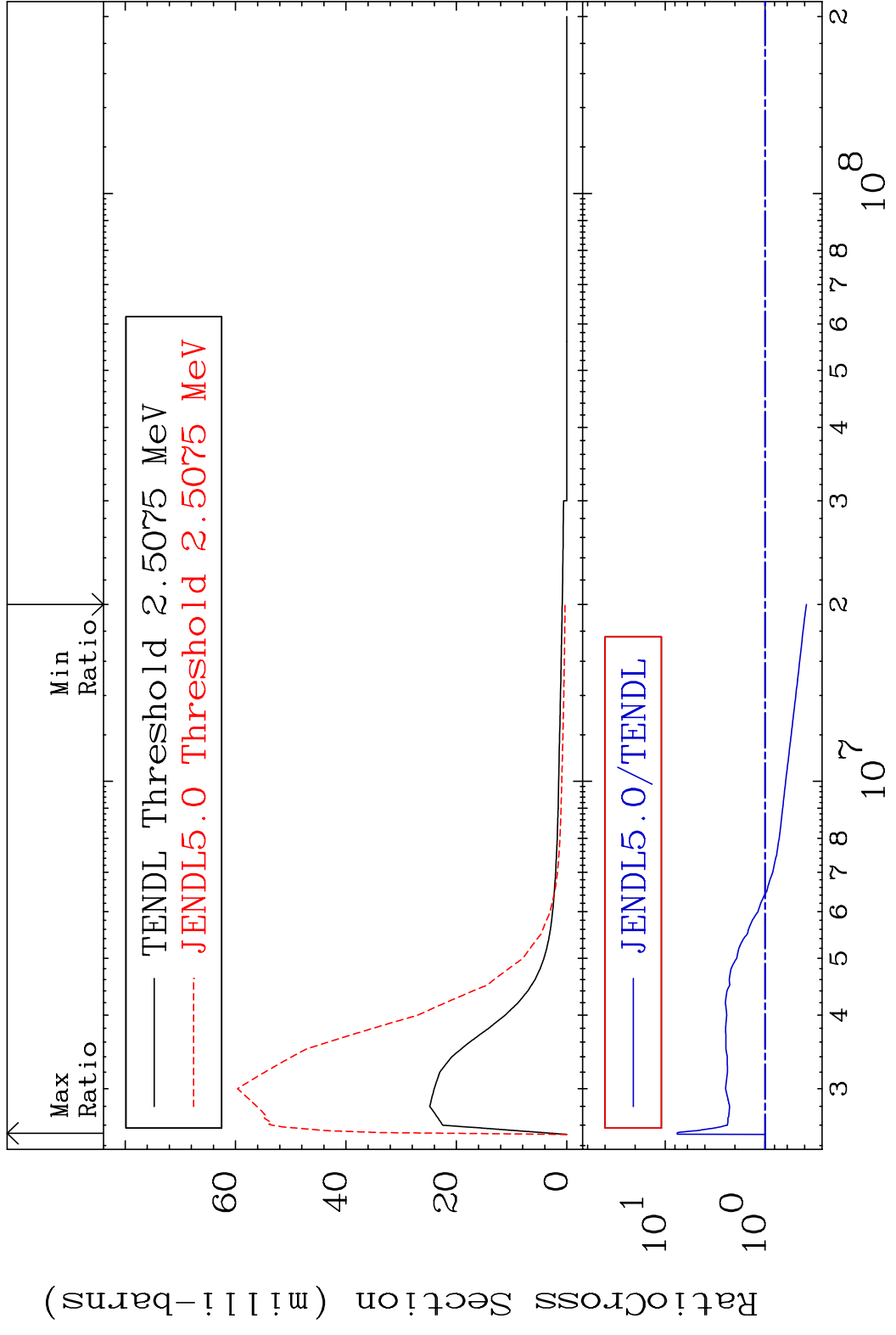
MAT 6031 MT= 71 (n, n') Level 60-Nd-144  
 Cross Section -42.39 To 1133. %



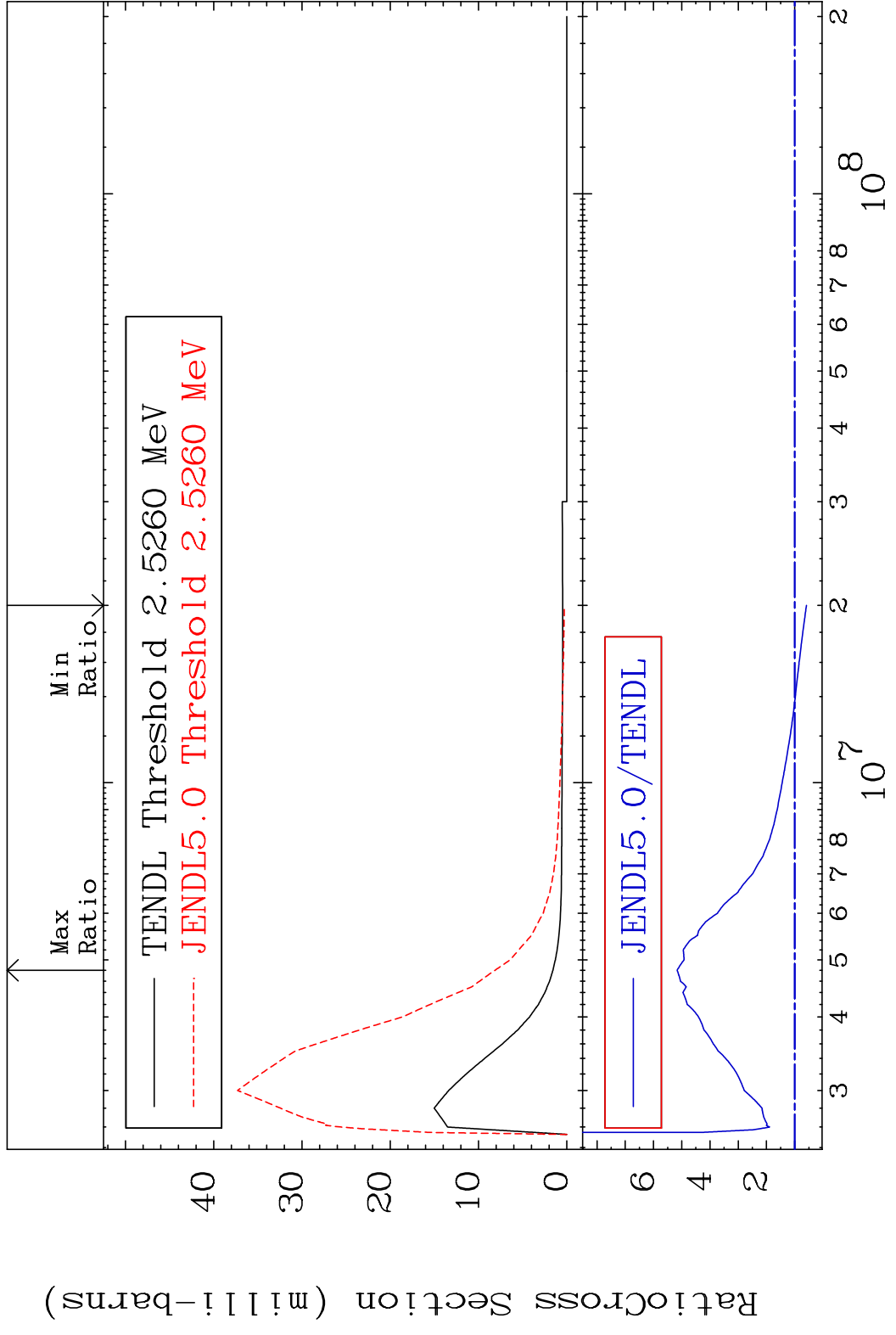
MAT 6031 MT= 72 (n, n') Level 60-Nd-144  
 Cross Section 0.000 To 9999. %



MAT 6031 MT= 73 (n, n') Level 60-Nd-144  
 Cross Section -61.57 To 658.1 %

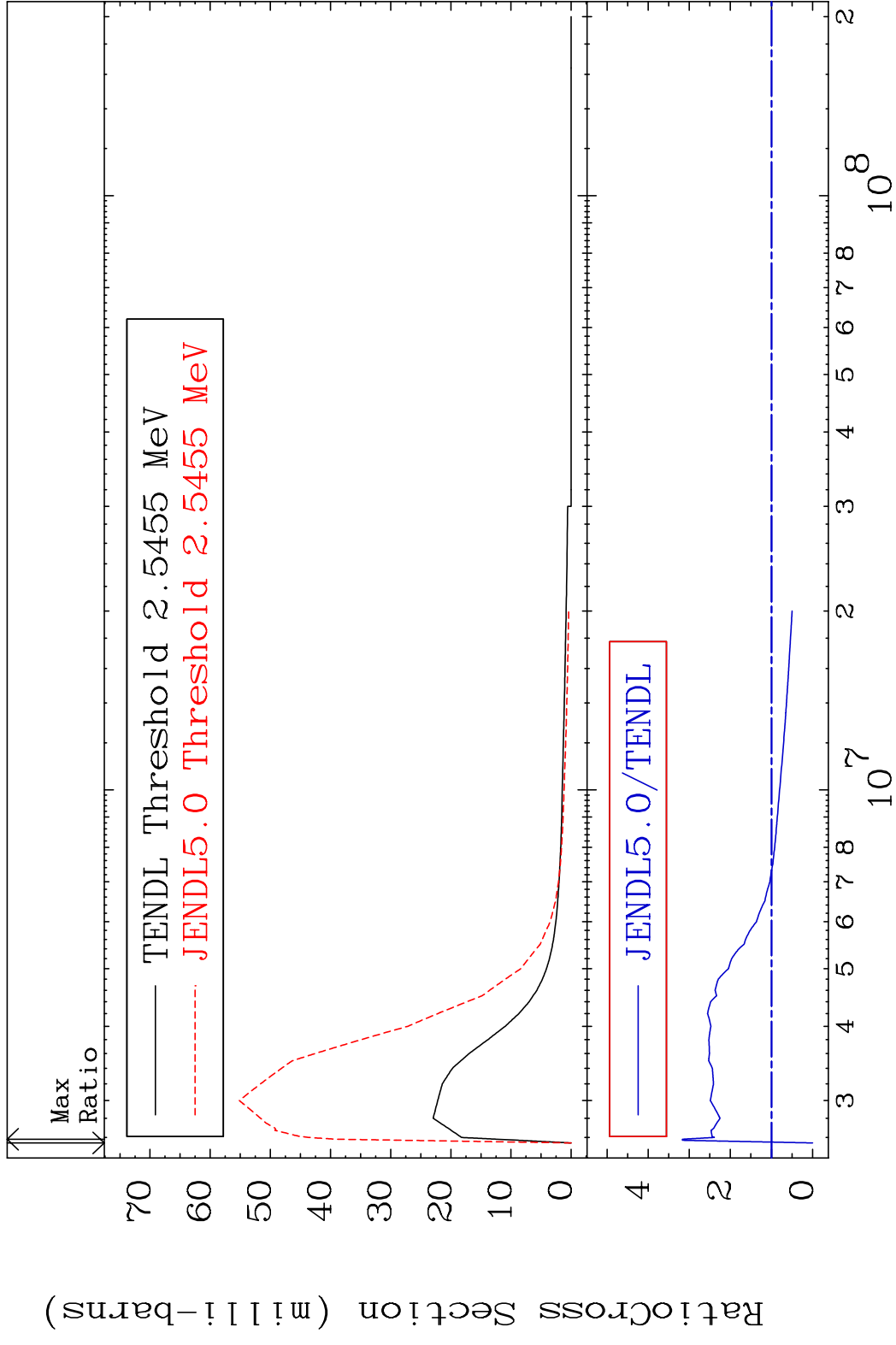


MAT 6031 MT= 74 (n, n') Level 60-Nd-144  
 Cross Section -41.39 To 416.2 %

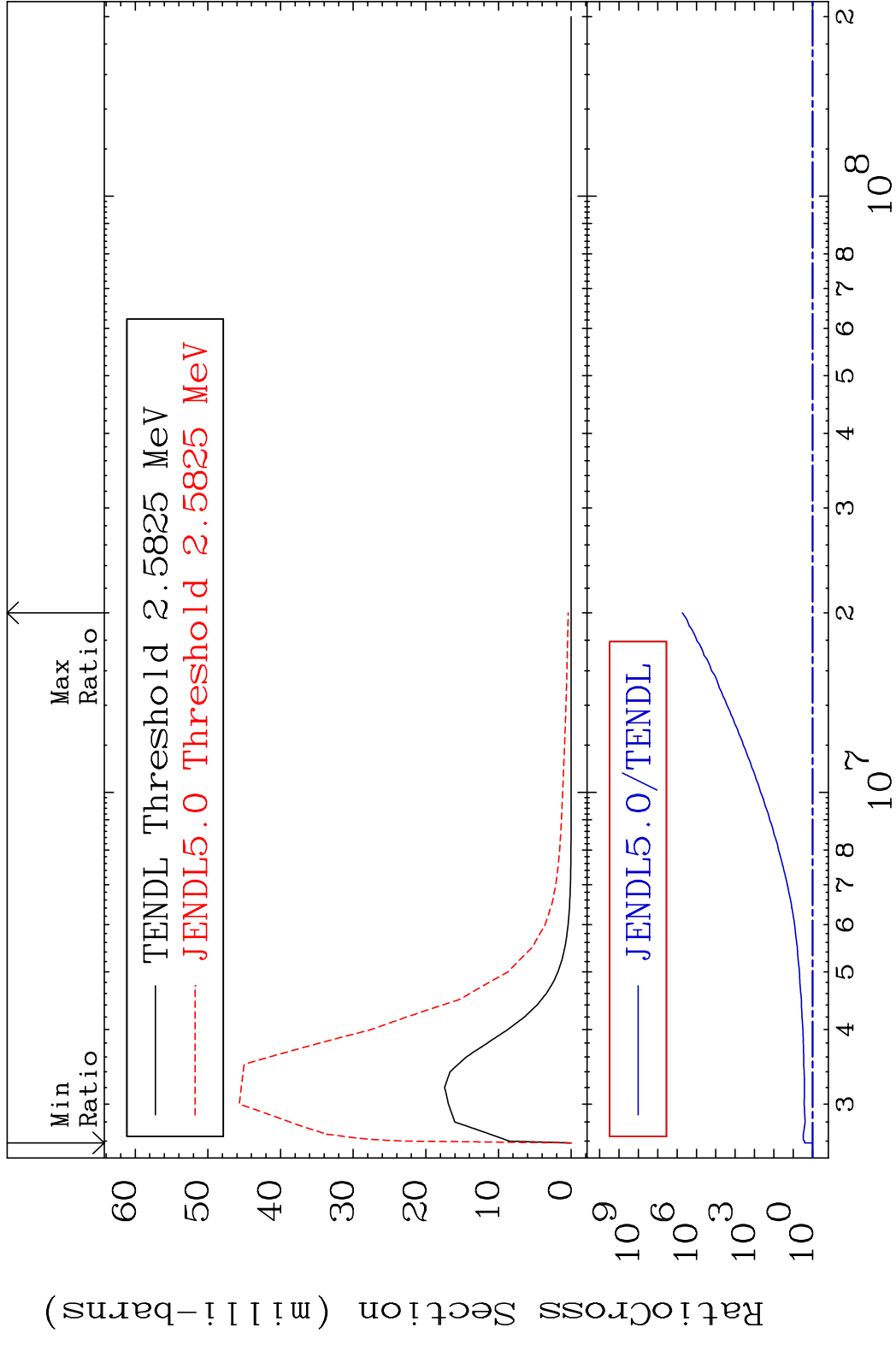


35 Incident Energy (eV) 60-Nd-144

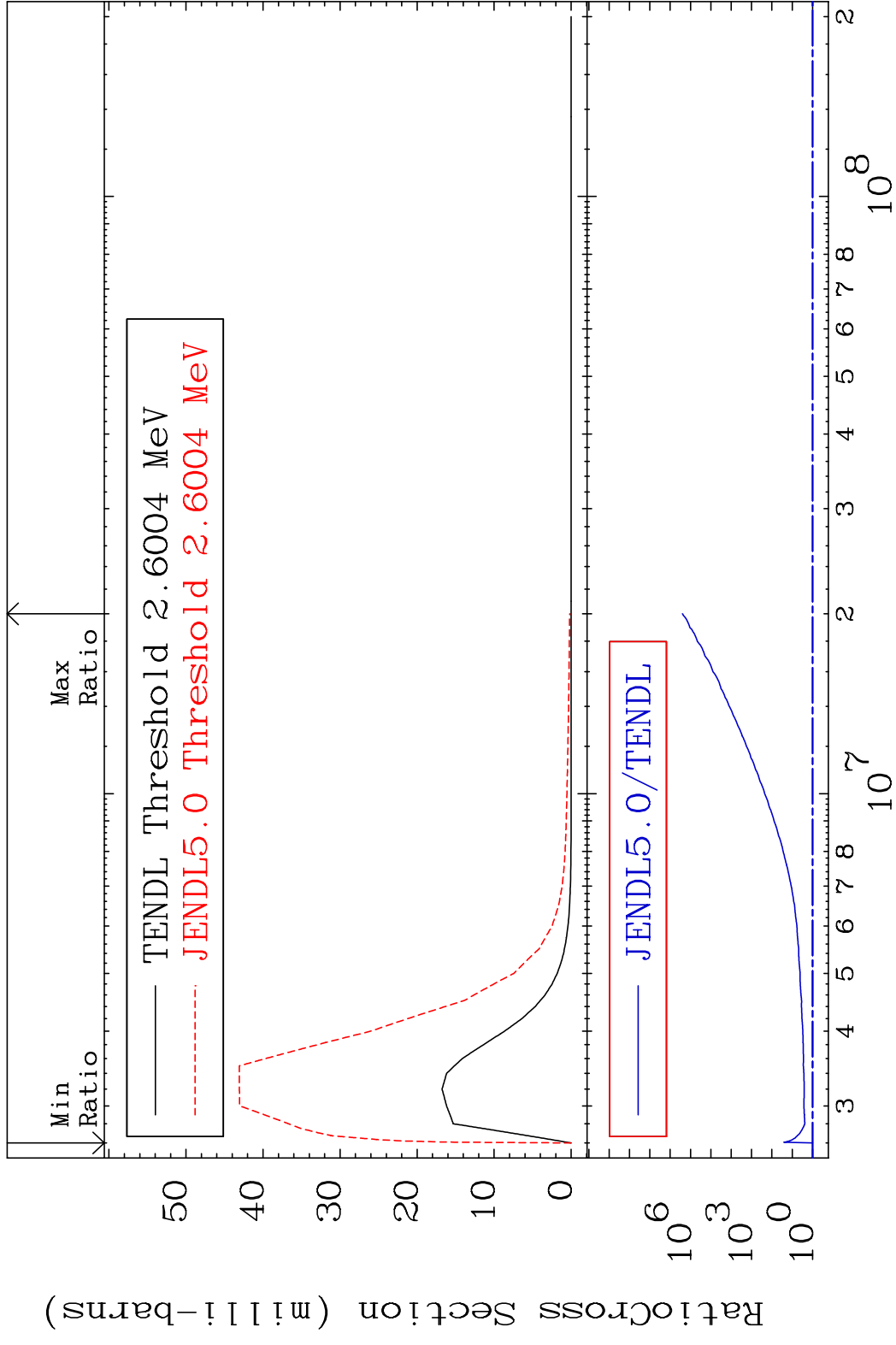
MAT 6031 MT= 75 (n,n') Level 60-Nd-144  
 Cross Section -100.0 To 216.8 %



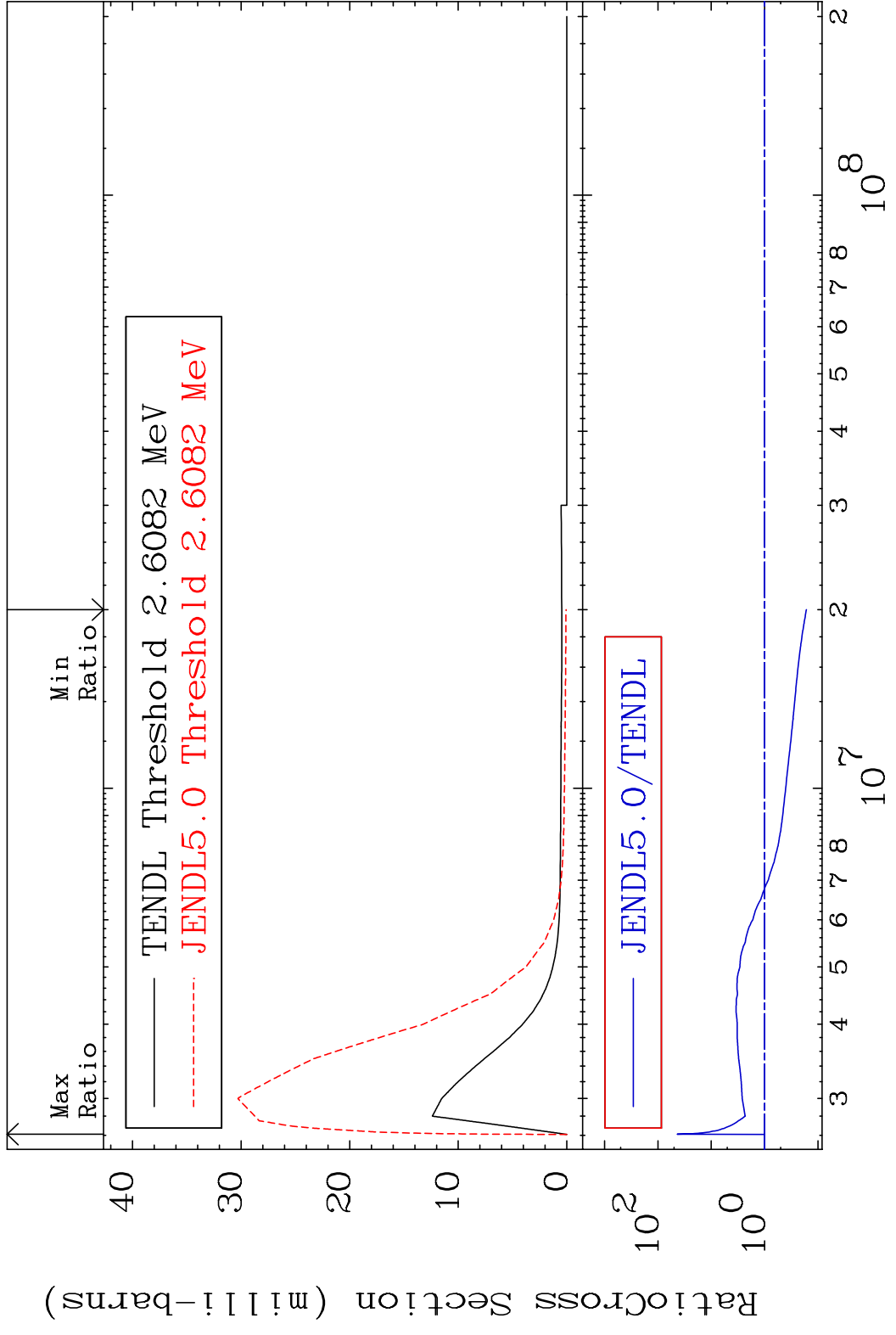
MAT 6031 MT= 76 (n, n') Level 60-Nd-144  
 Cross Section 0.000 To 9999. %



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

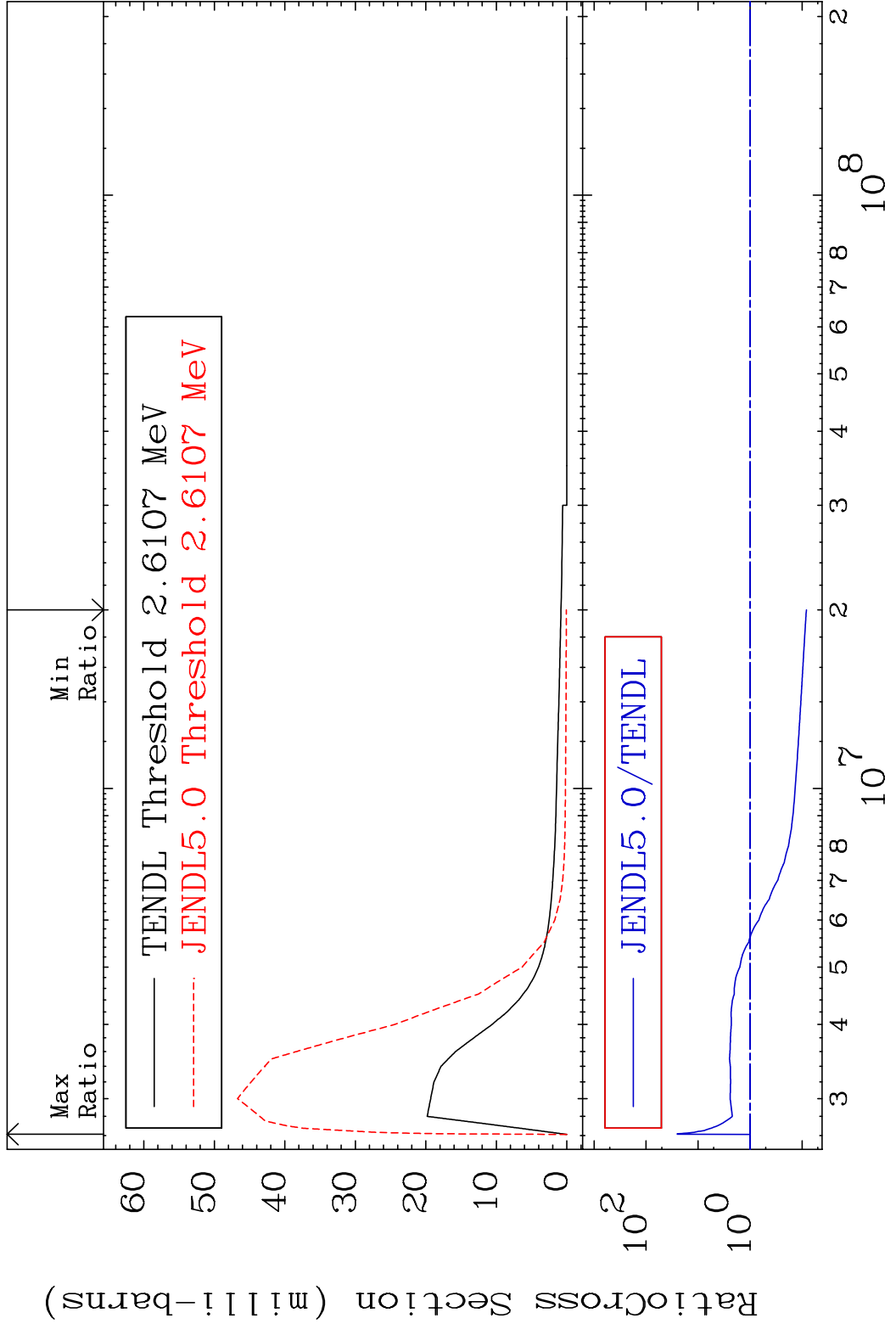


MAT 6031 MT= 78 (n,n') Level 60-Nd-144  
 Cross Section -83.51 To 4247. %



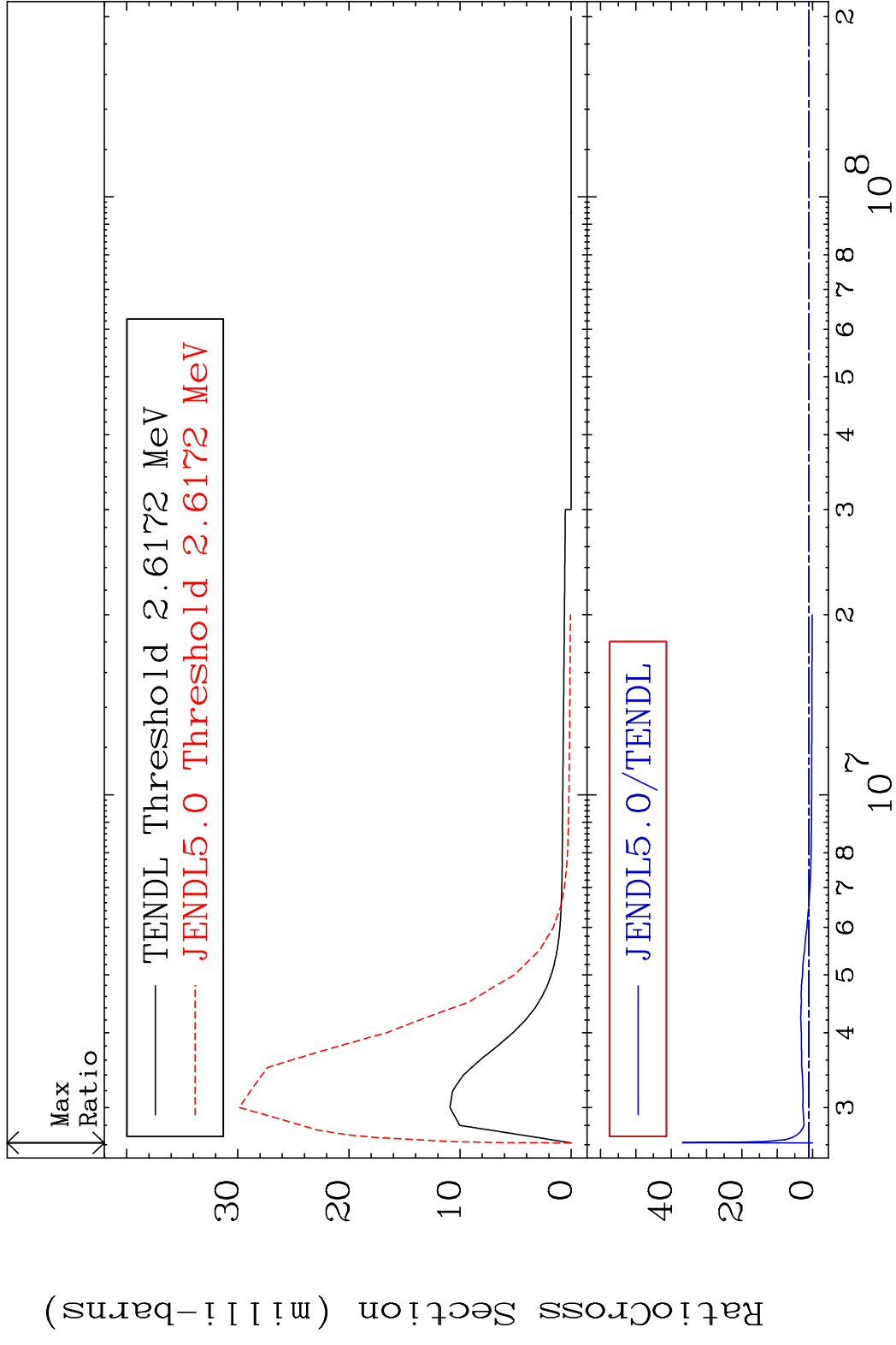


MAT 6031 MT= 79 (n, n') Level 60-Nd-144  
 Cross Section -91.72 To 2423. %



40 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 80 (n,n') Level 60-Nd-144  
 Cross Section -100.0 To 3584. %

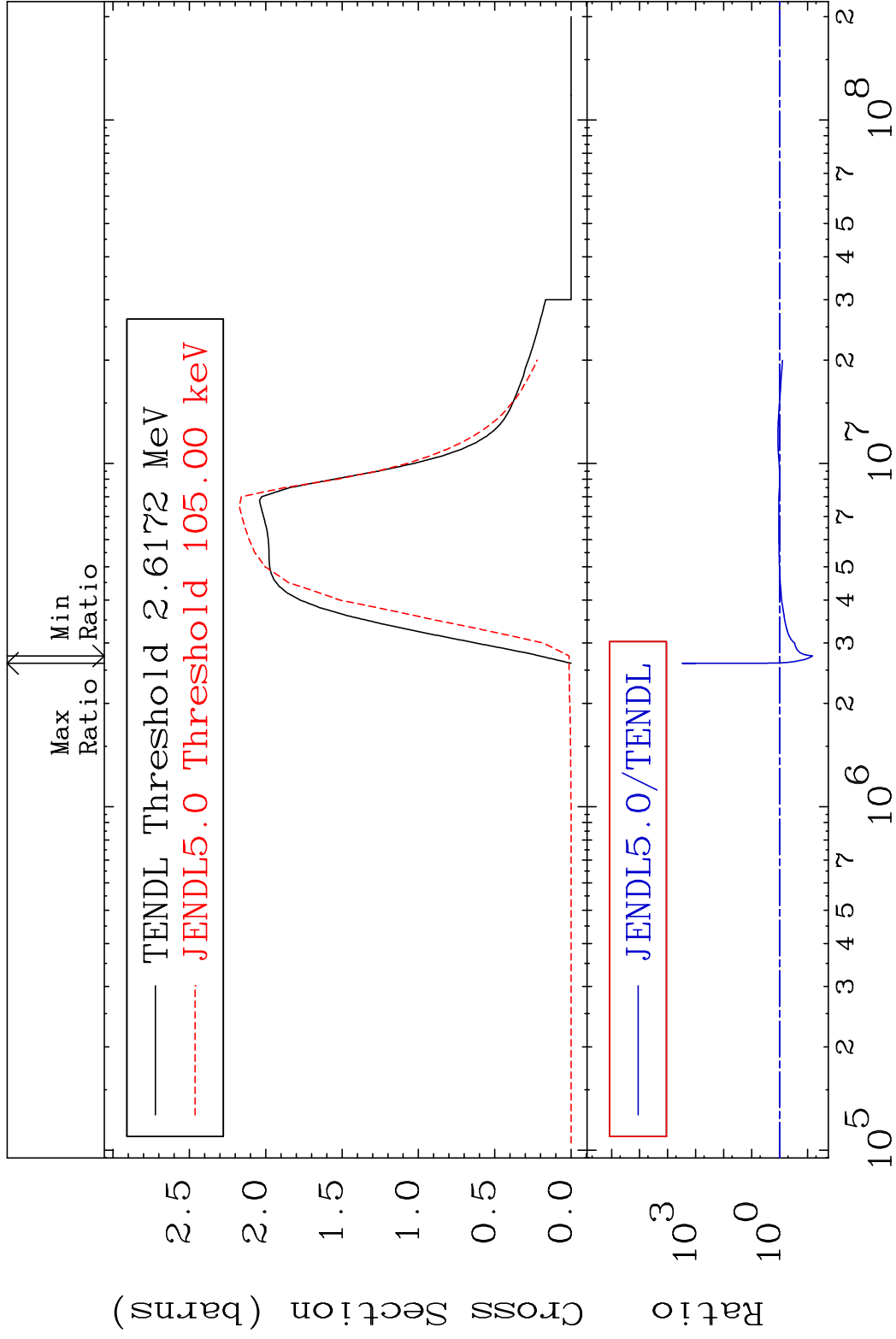


MAT 6031

(n, n') Continuum

60-Nd-144

Cross Section -93.32 To 9999. %



42

Incident Energy (eV)

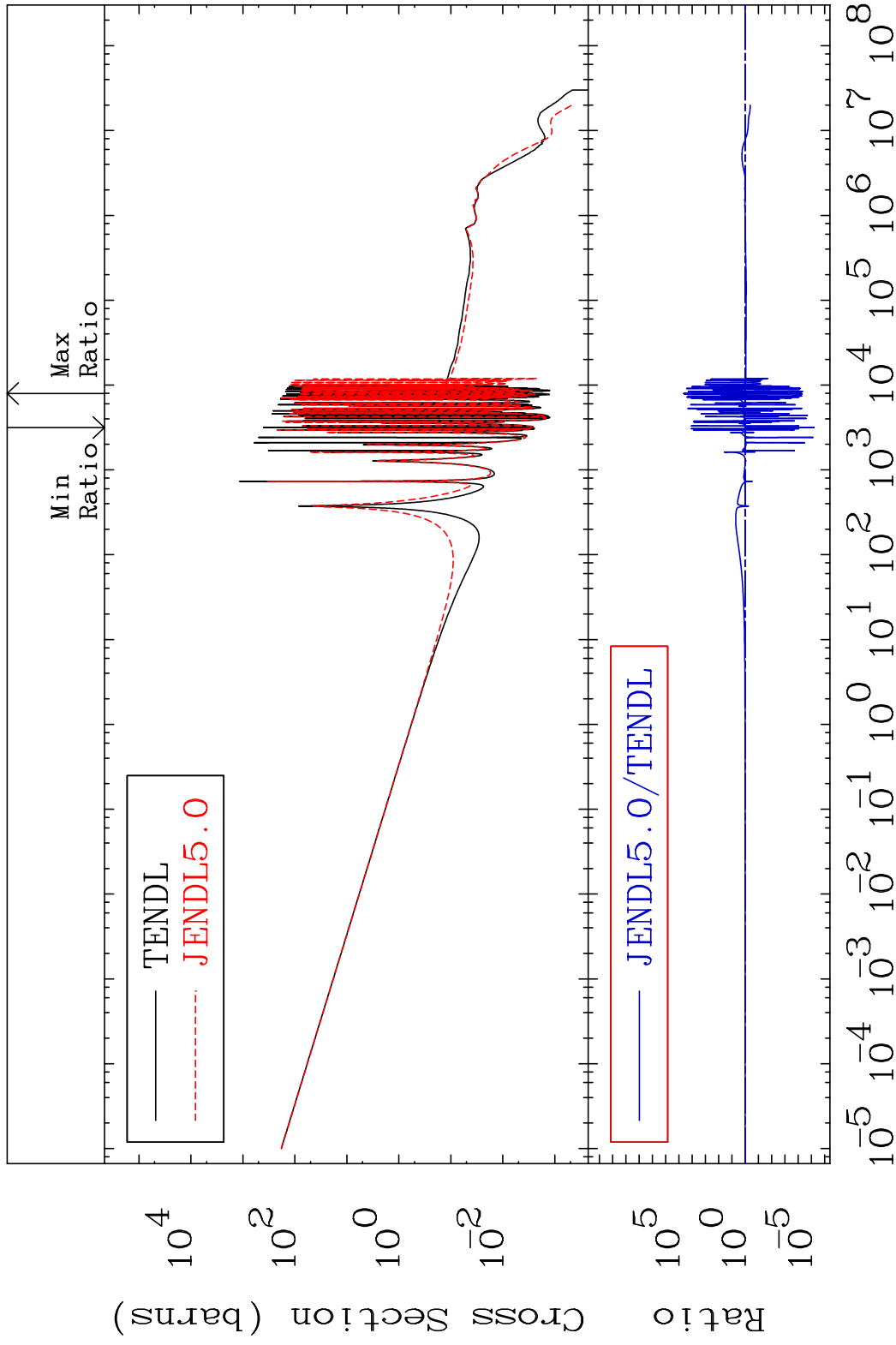
60-Nd-144

MAT 6031

(n,  $\gamma$ )

60-Nd-144

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

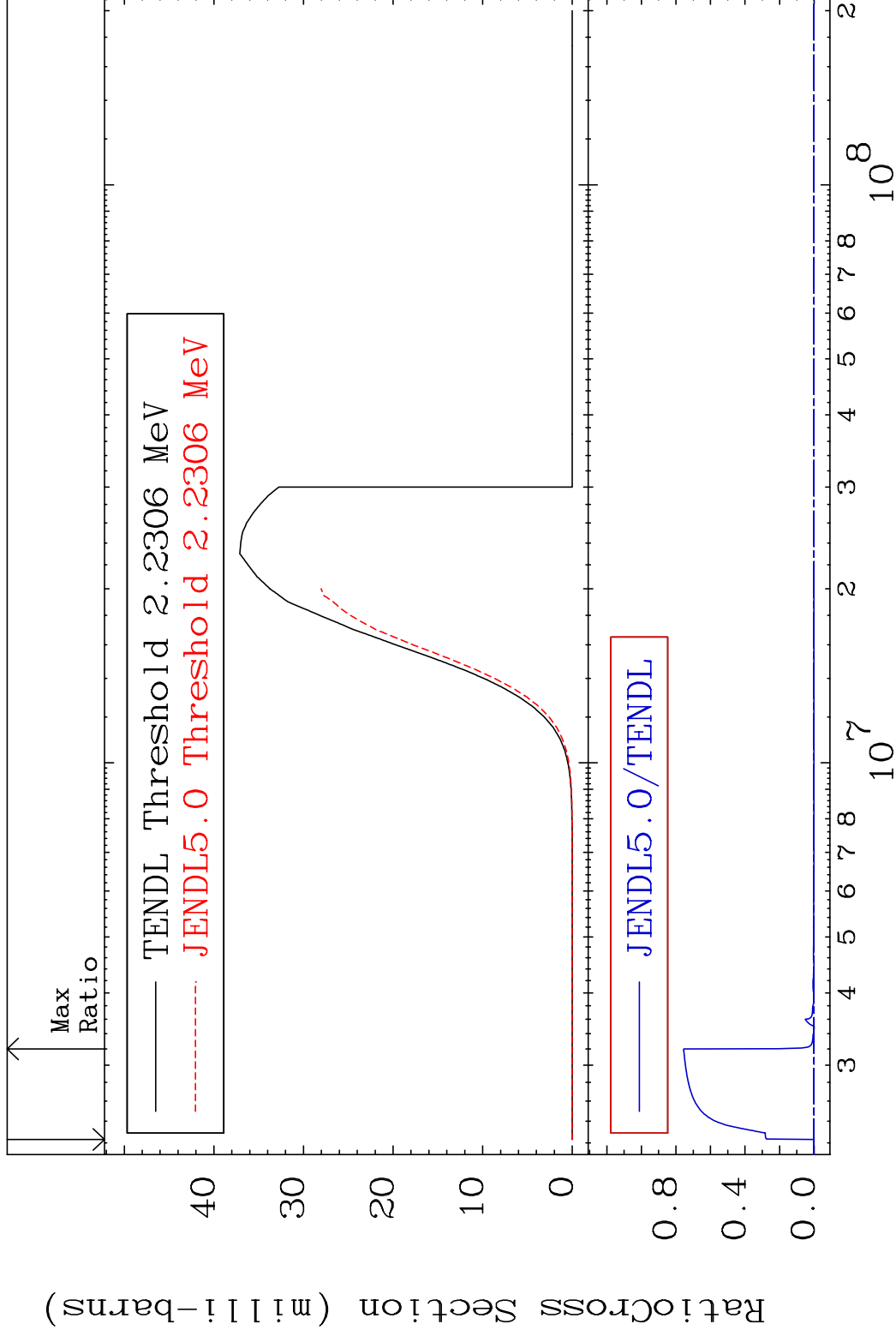
60-Nd-144

MAT 6031

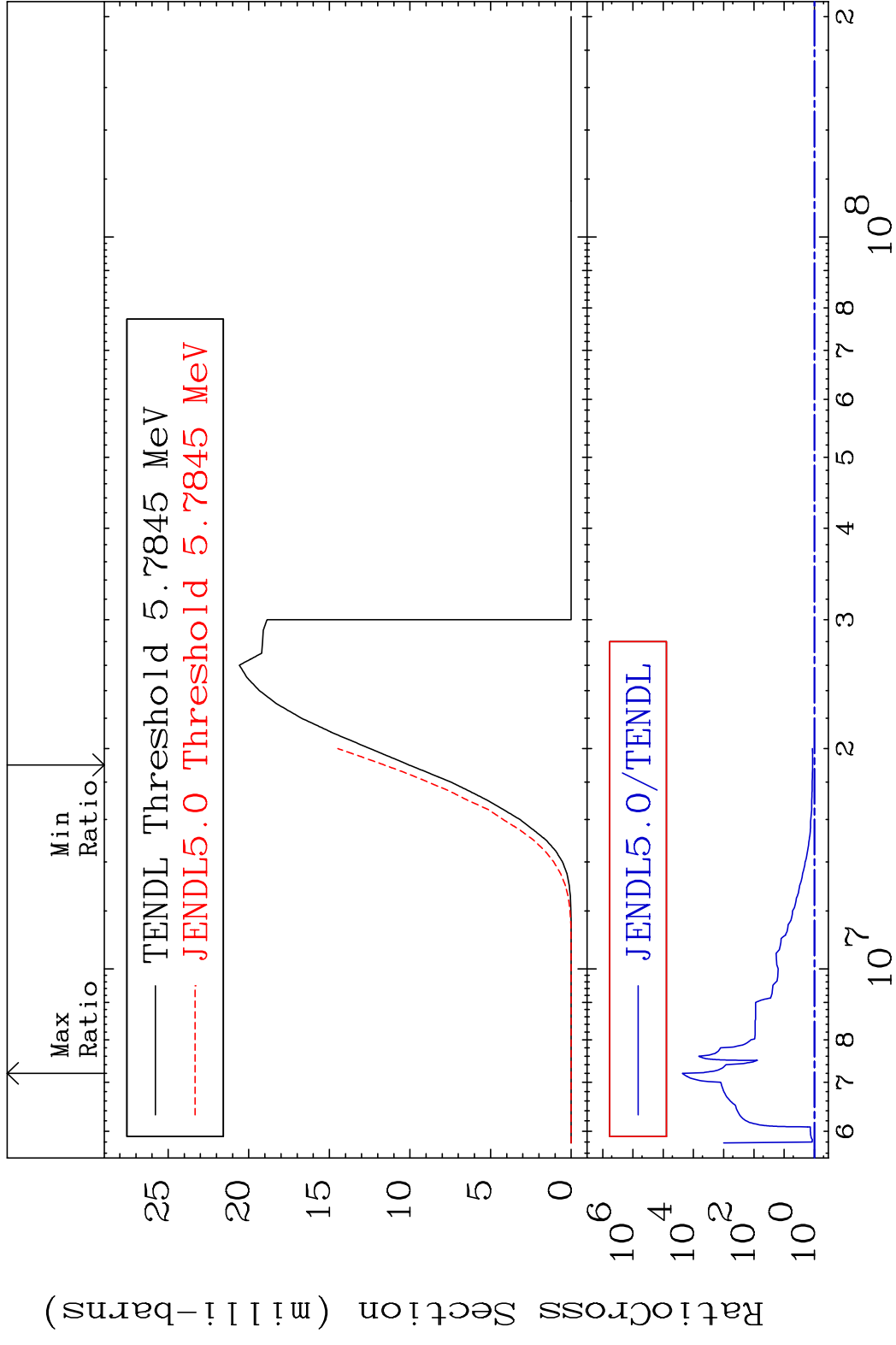
(n,p)

60-Nd-144

Cross Section -100.0 To 9999. %



MAT 6031 (n,d) 60-Nd-144  
 Cross Section 15.18 To 9999. %



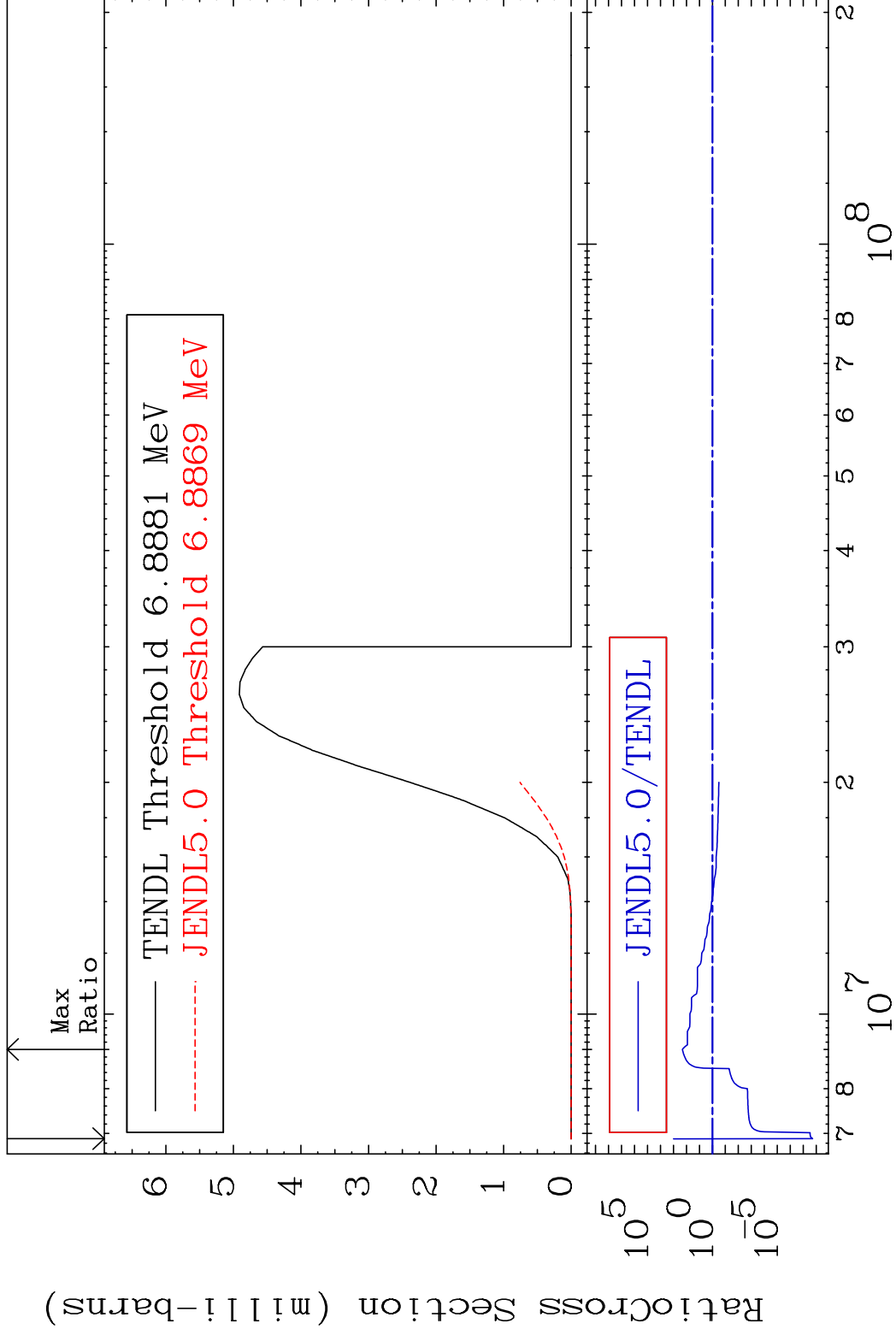
45 Incident Energy (eV) 60-Nd-144

MAT 6031

(n, t)

60-Nd-144

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

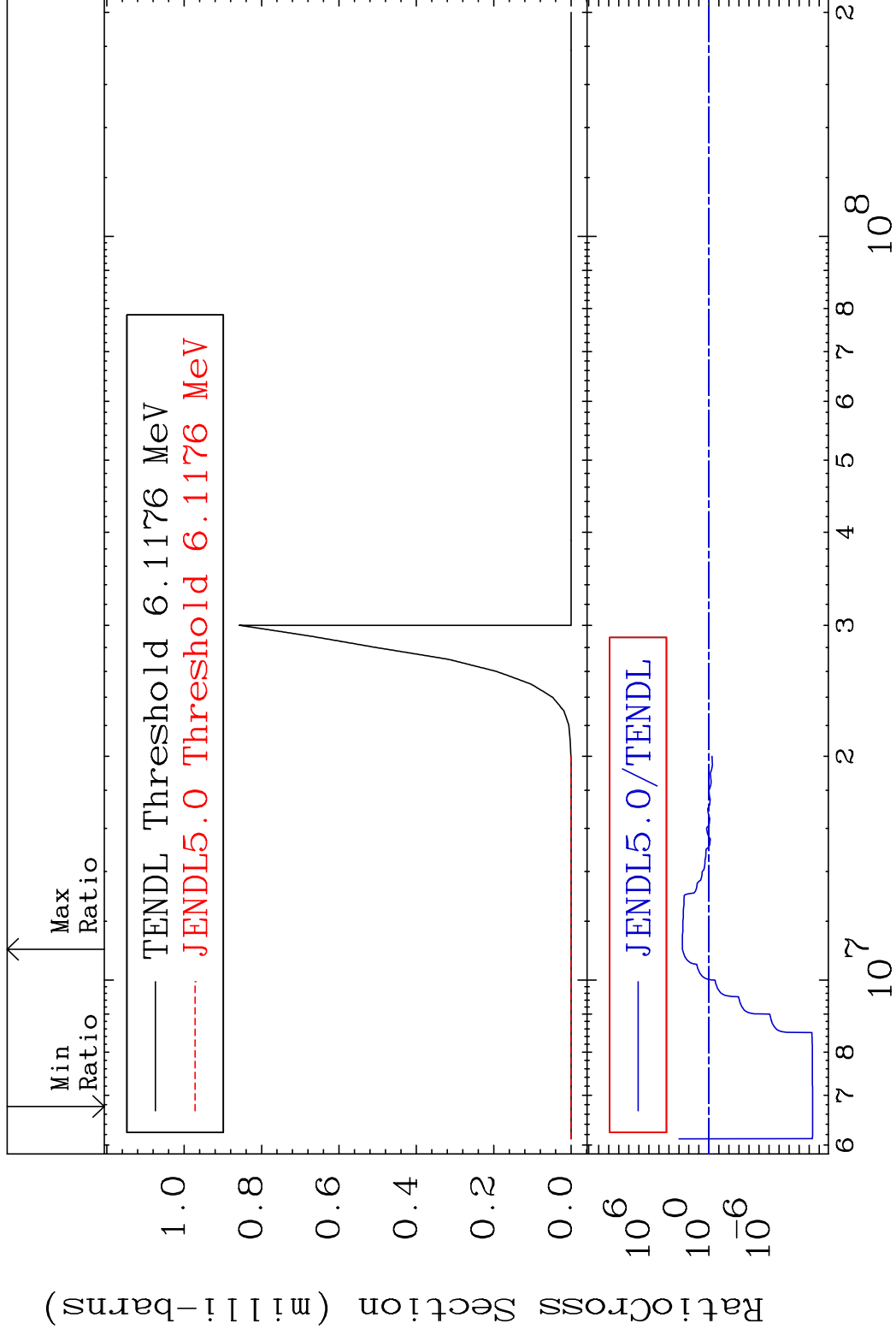
60-Nd-144

MAT 6031

(n, He-3)

60-Nd-144

Cross Section -100.0 To 9999. %



47

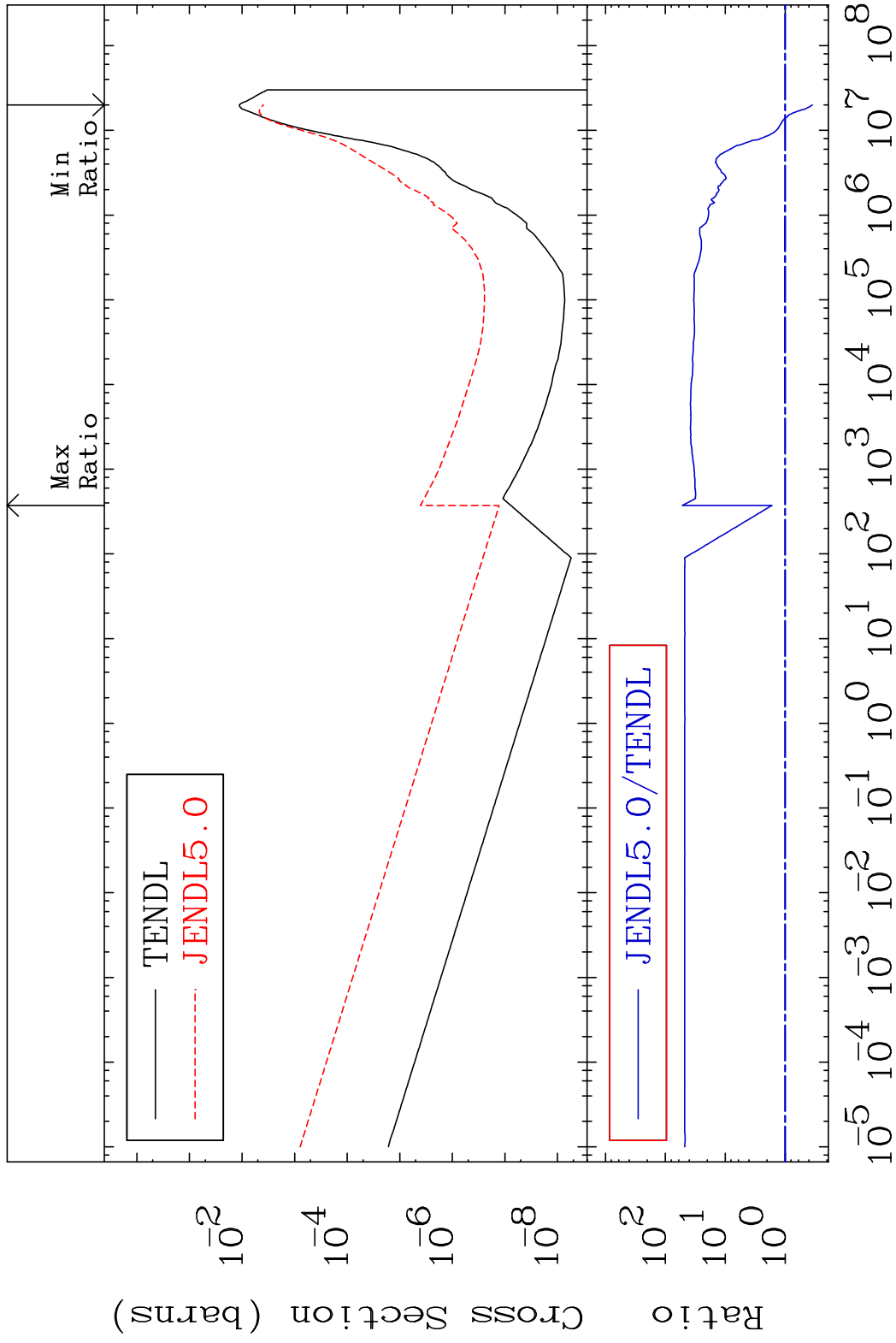
Incident Energy (eV)

60-Nd-144



MAT 6031

(n,  $\alpha$ )  
Cross Section -65.18 To 5109. %  
60-Nd-144



48

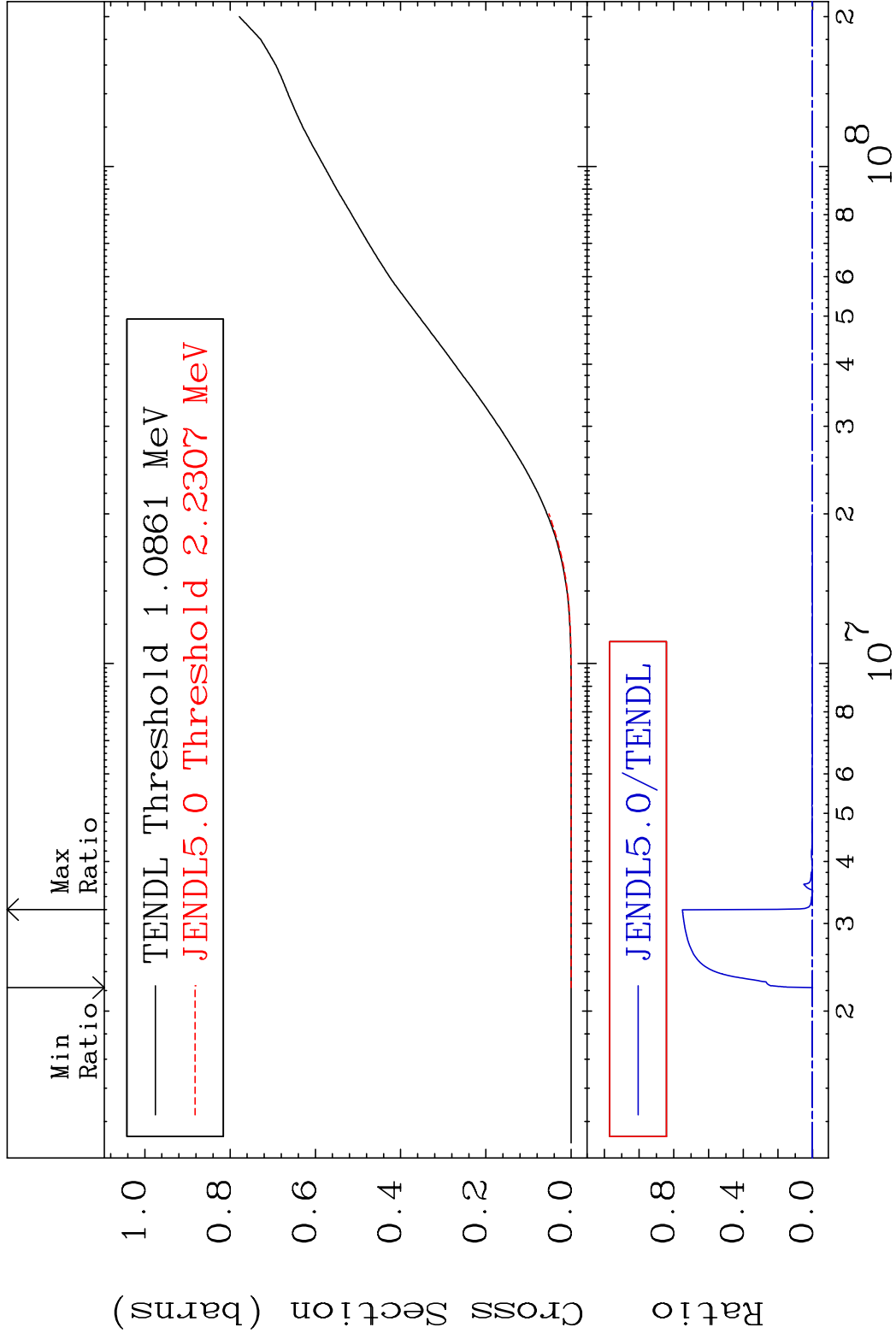
Incident Energy (eV)

60-Nd-144

MAT 6031

Hydrogen Production 60-Nd-144

Cross Section -100.0 To 9999. %

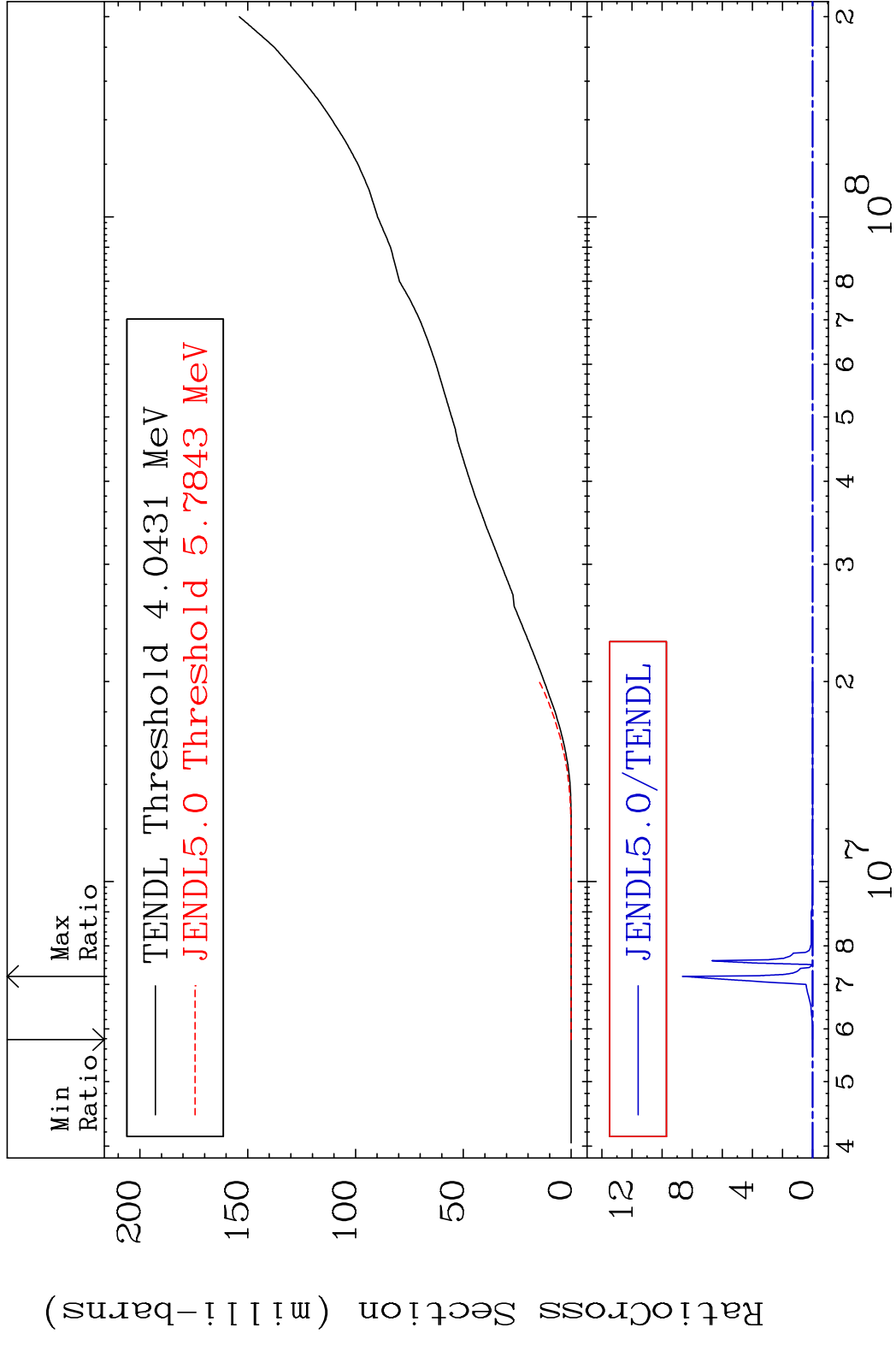


49

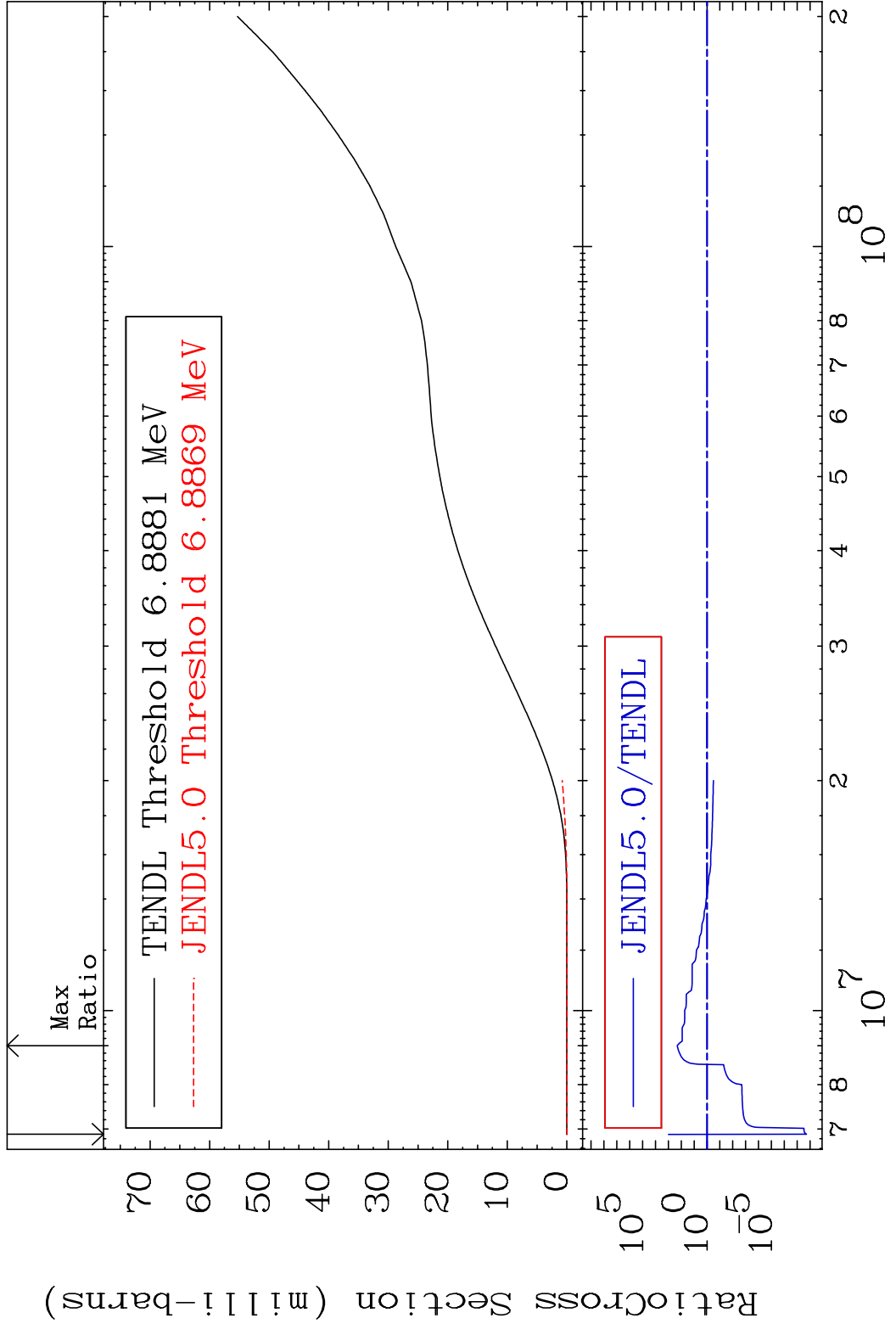
Incident Energy (eV)

60-Nd-144

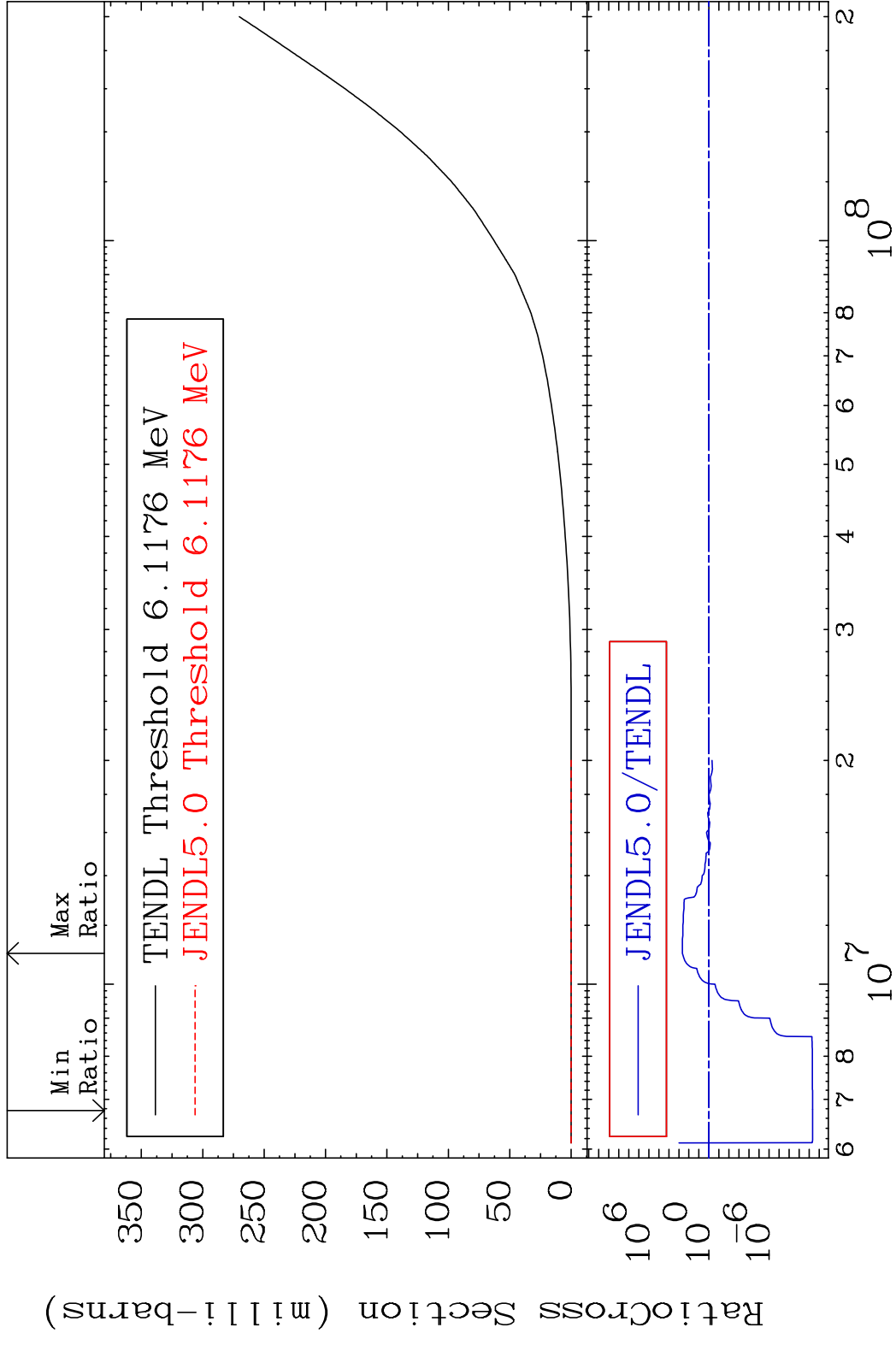
MAT 6031 Deuterium Production 60-Nd-144  
 Cross Section -100.0 To 9999. %



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. %

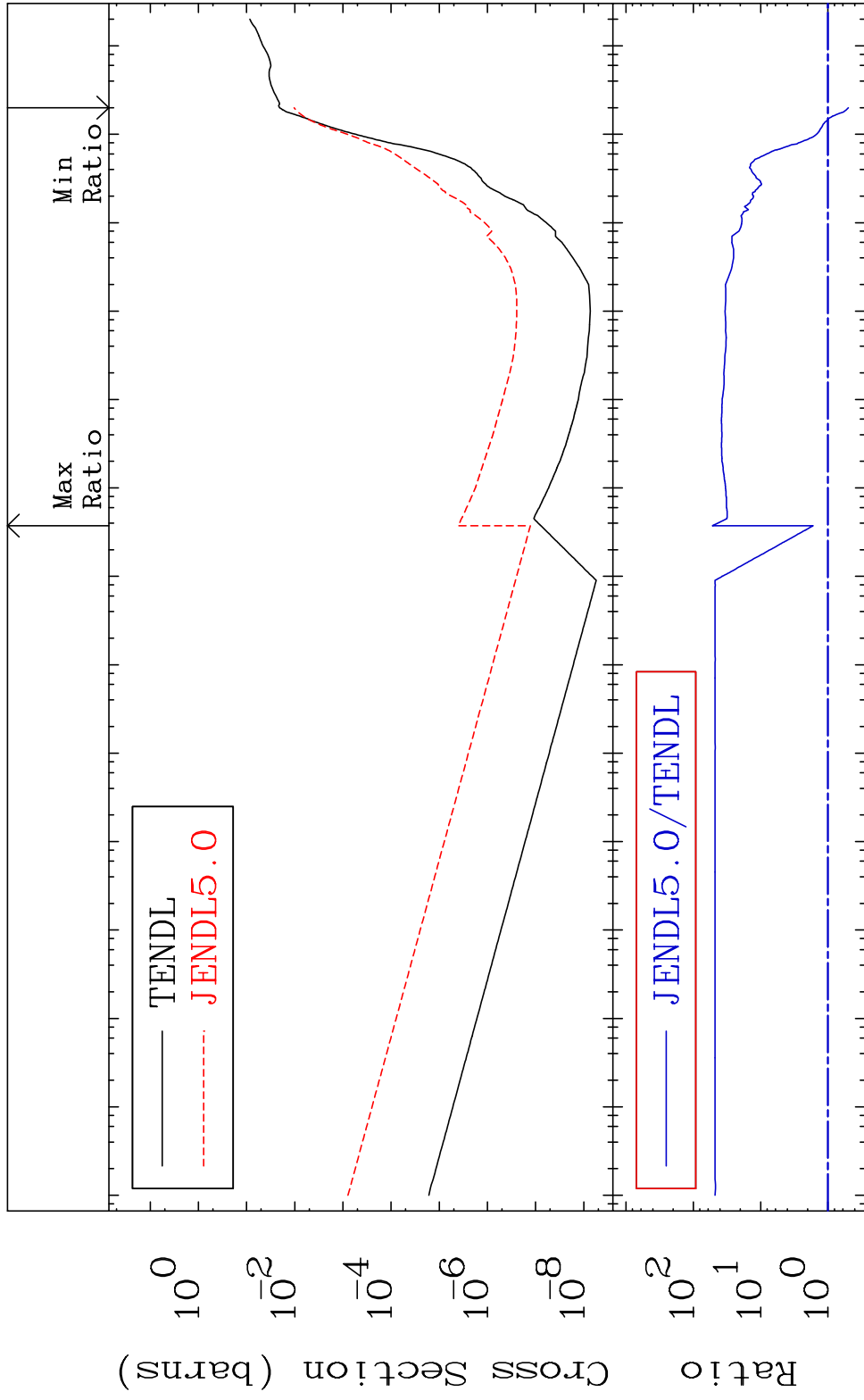


MAT 6031

He-4 Production

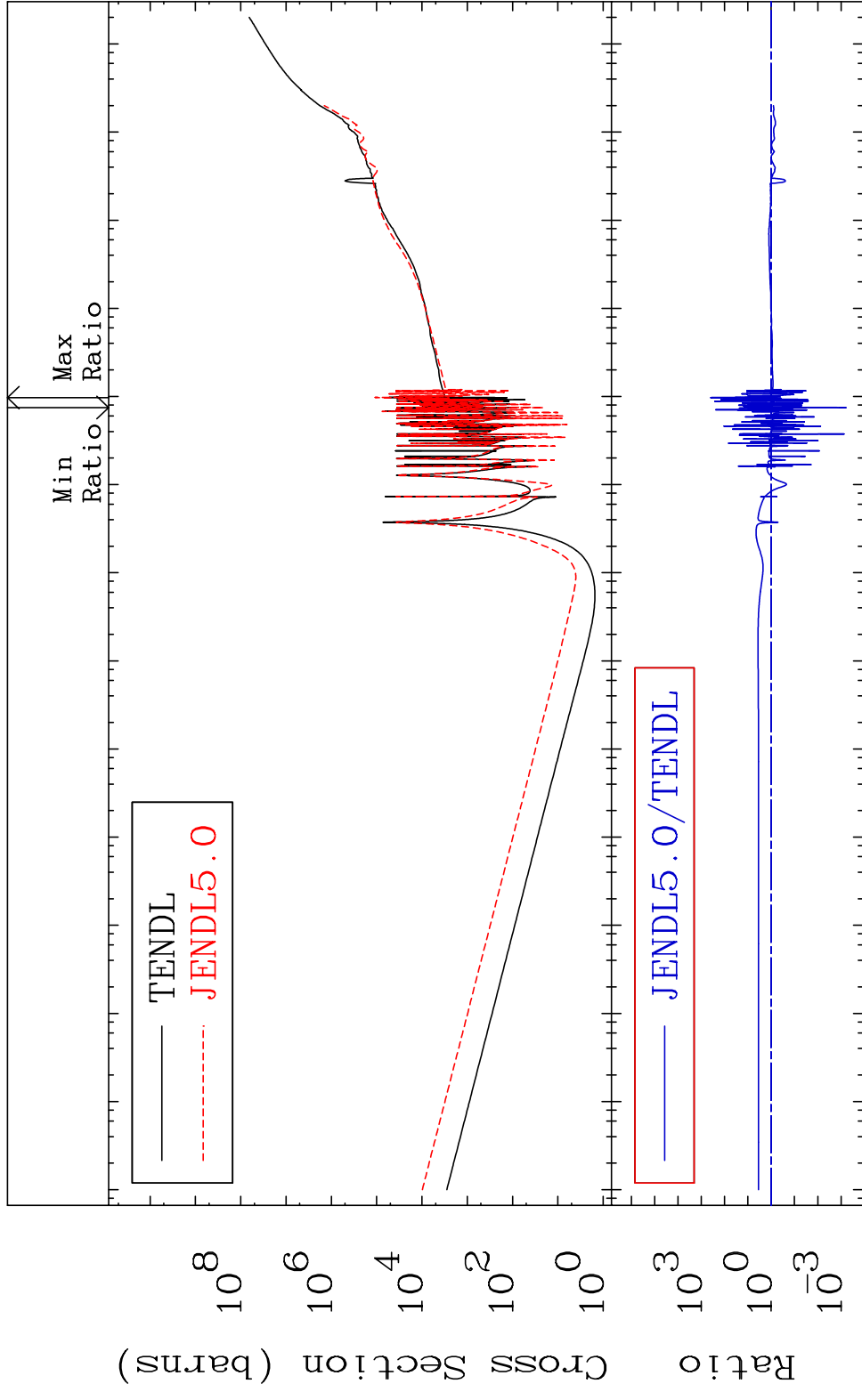
60-Nd-144

Cross Section -50.15 To 5109. %



$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

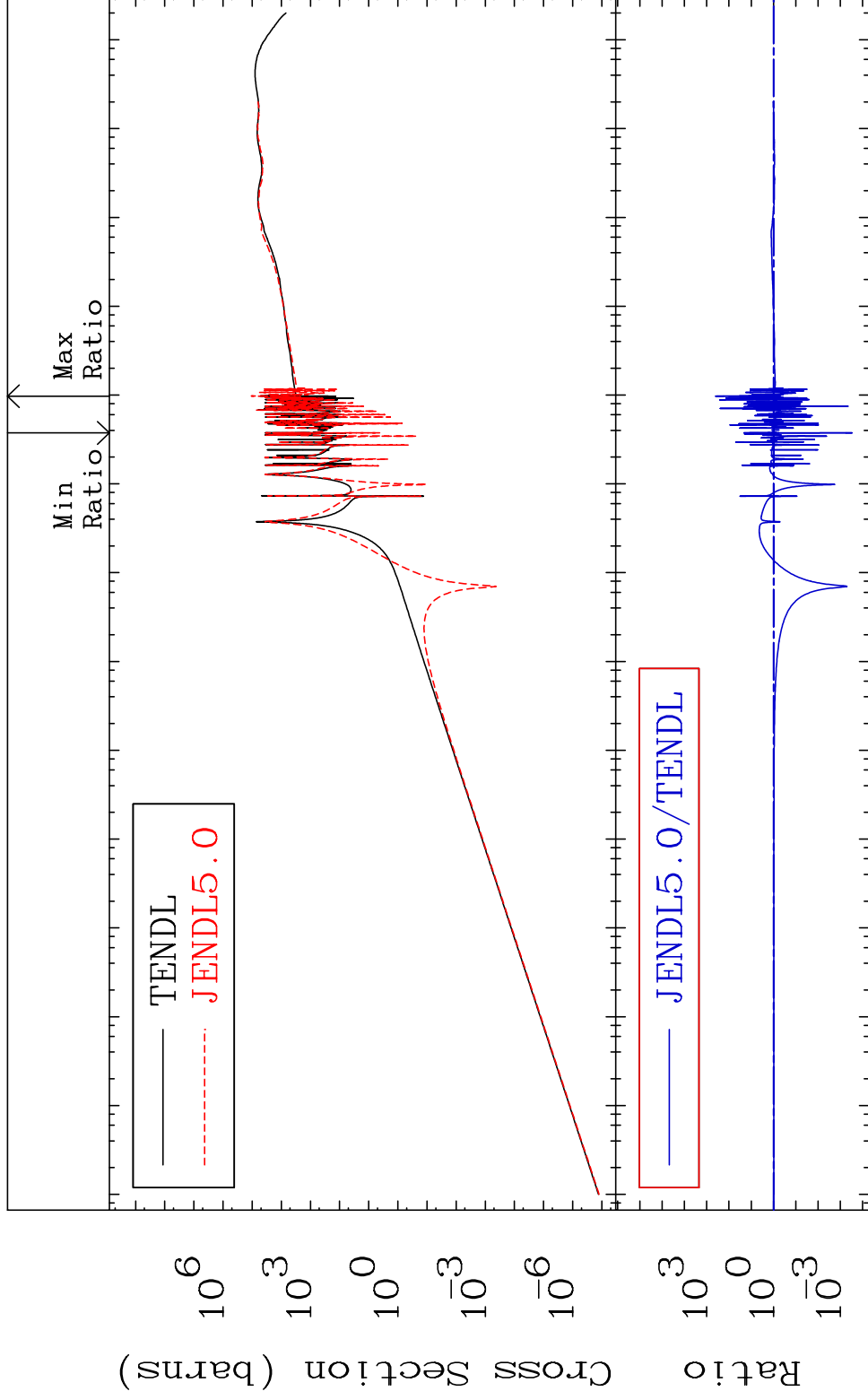
MAT 6031 Kerma total (eV-barns) 60-Nd-144  
 Cross Section -99.94 To 9999. %



MAT 6031

Kerma elastic  
Cross Section

60-Nd-144  
-99.97 To 9999. %



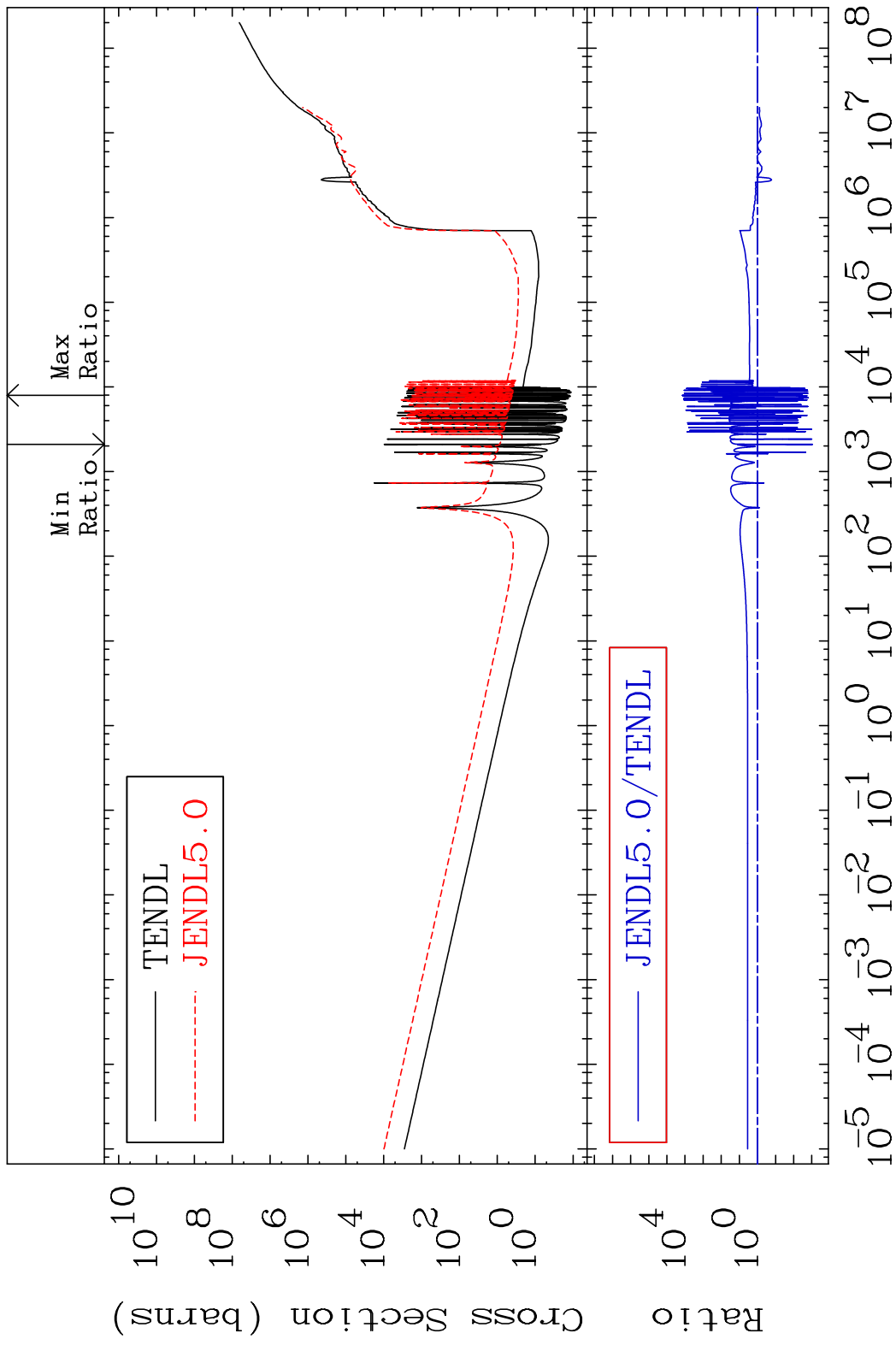
55

Incident Energy (eV)

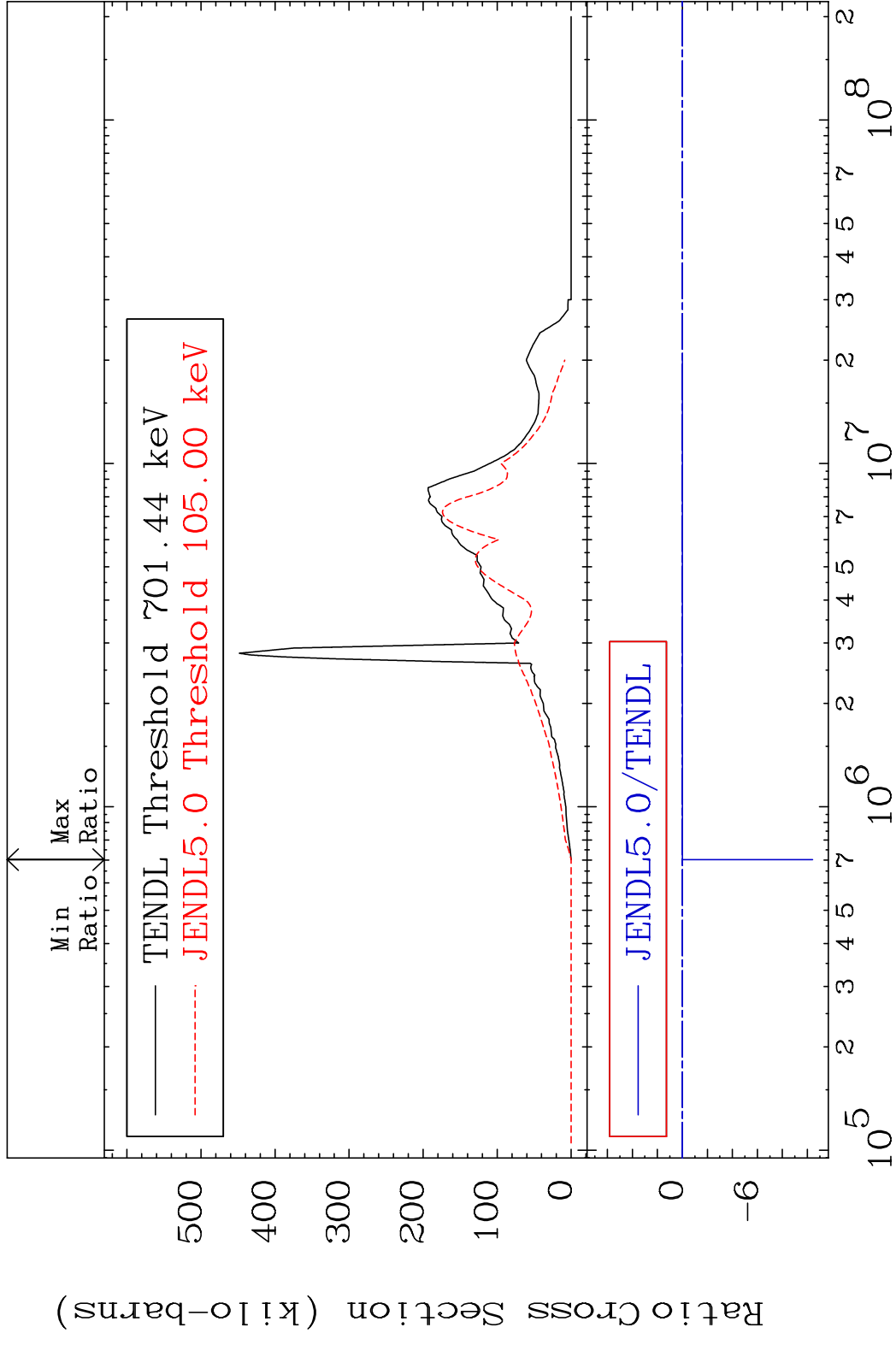
60-Nd-144



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

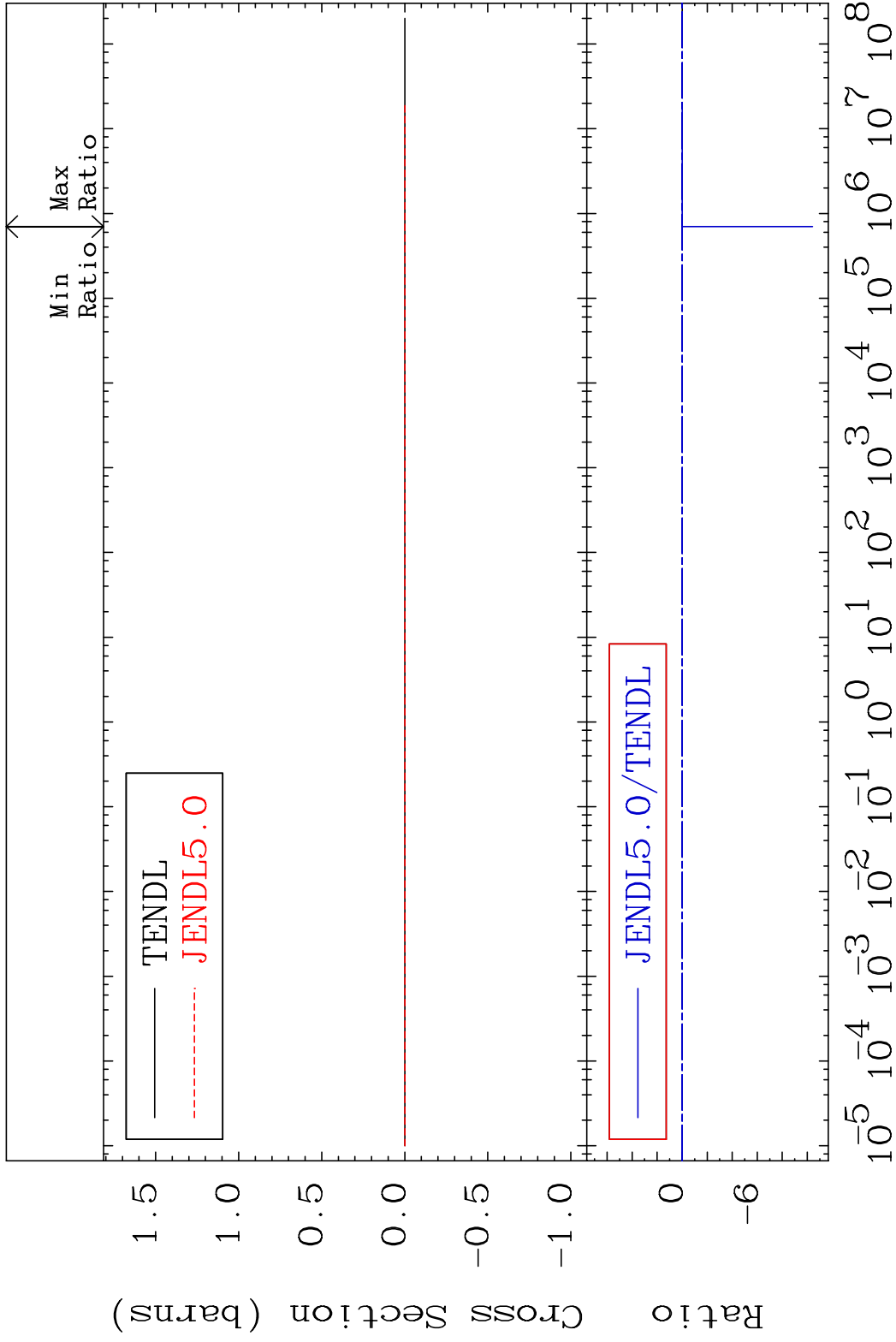


MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144  
 Cross Section -9999. To 9999. %

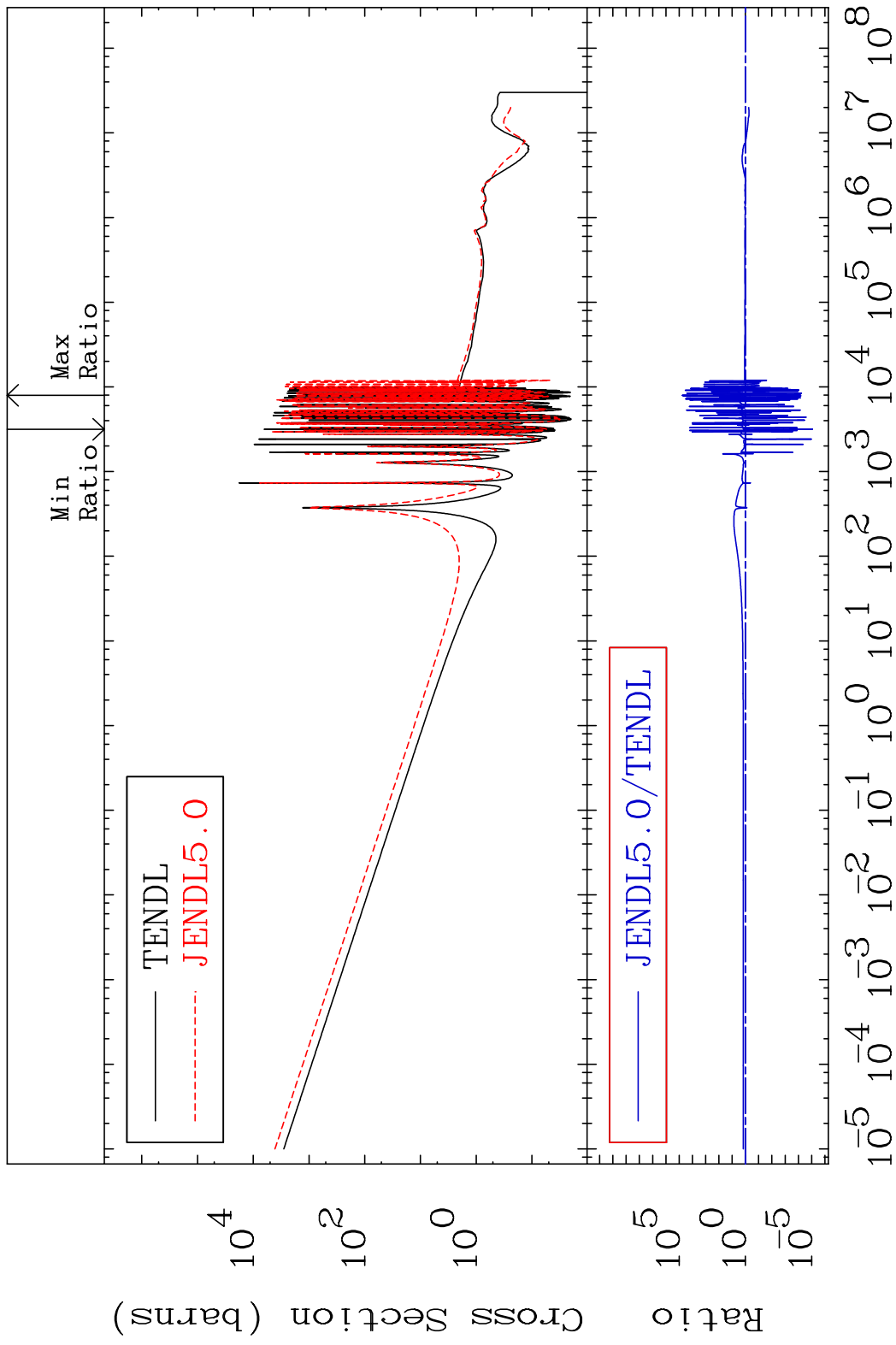


57 Incident Energy (eV) 60-Nd-144

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

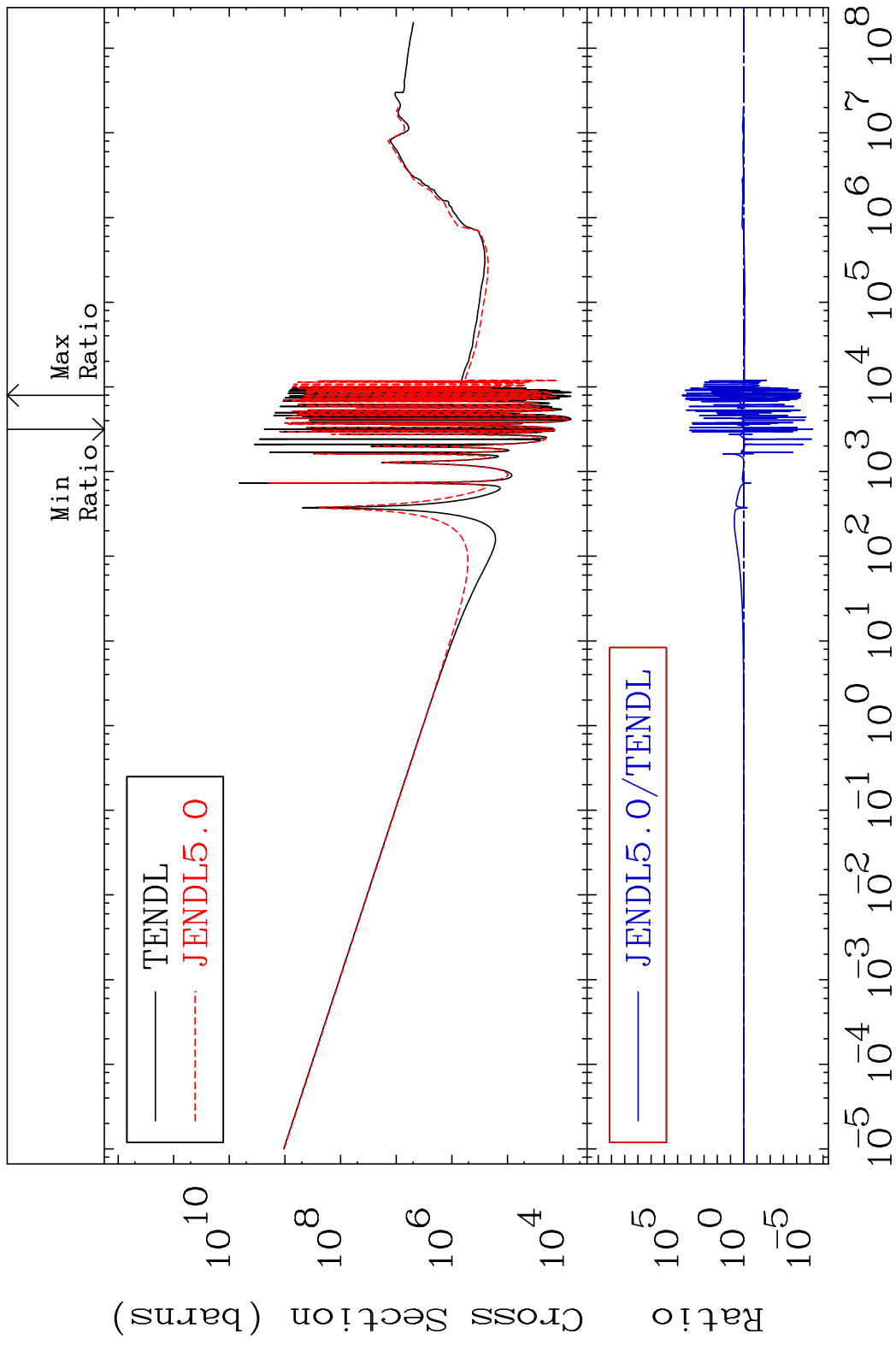


MAT 6031 Kerma capture (mt102) 60-Nd-144  
 Cross Section -100.0 To 9999. %



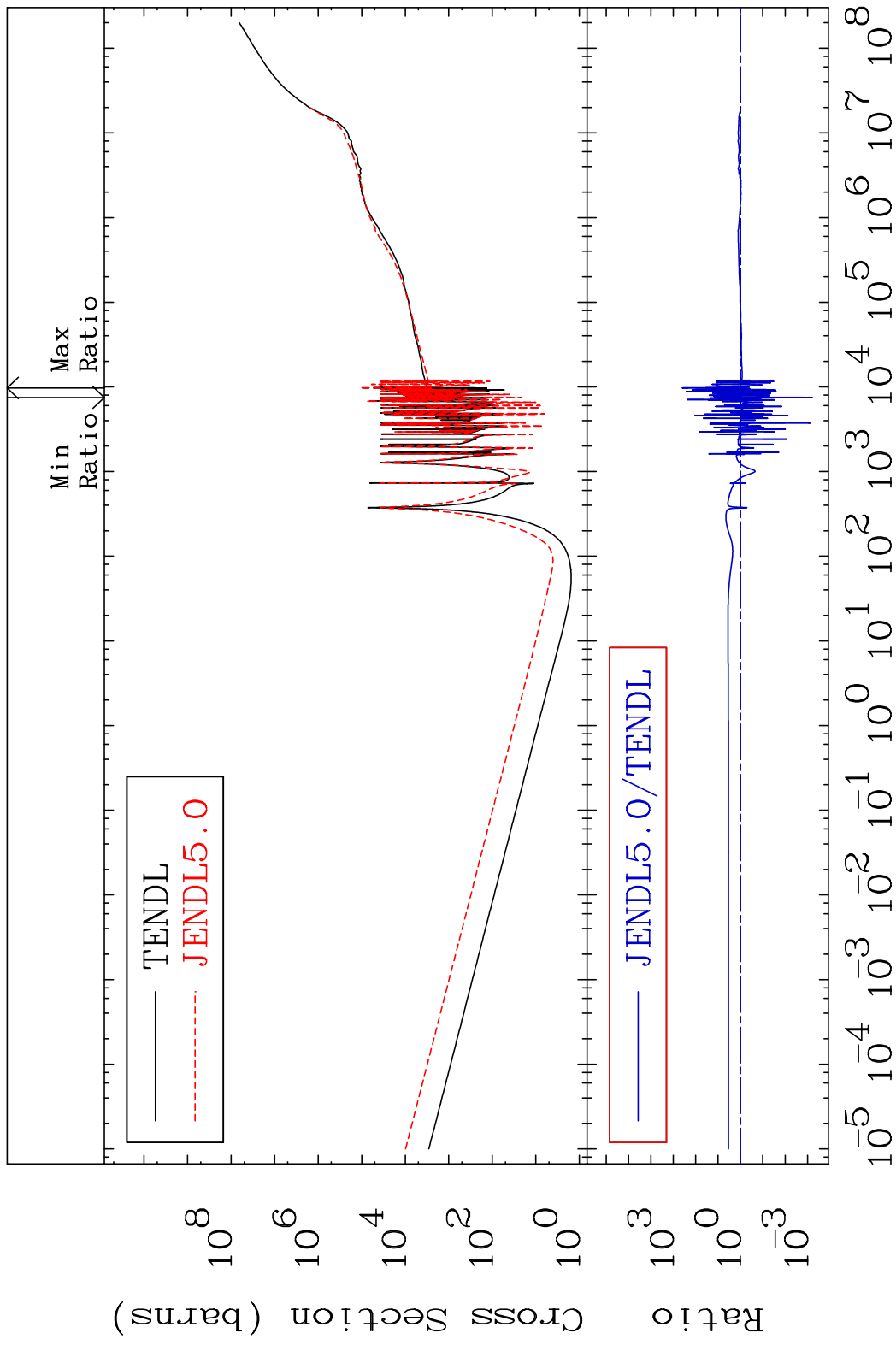
59 Incident Energy (eV) 60-Nd-144

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

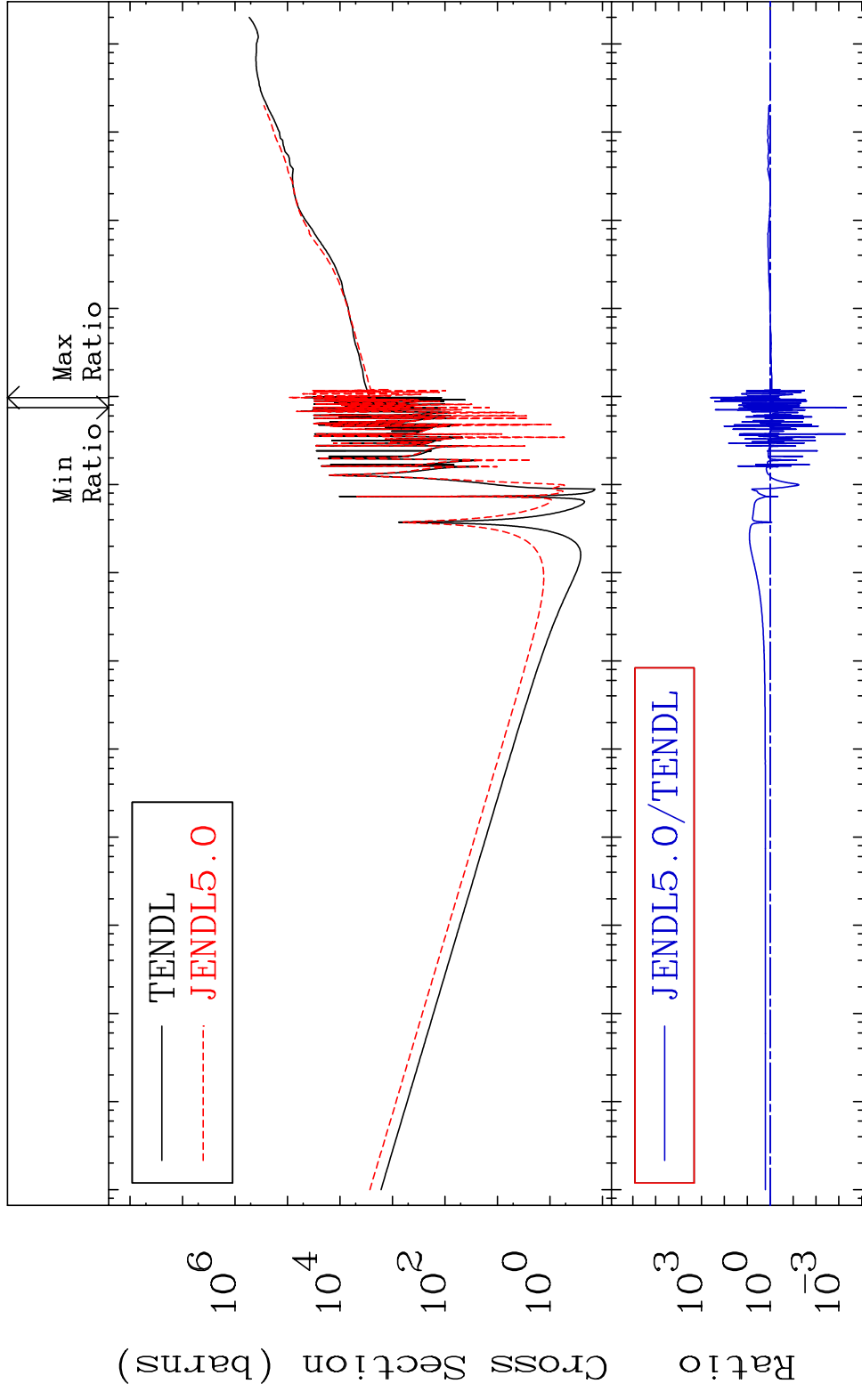


60 Incident Energy (eV) 60-Nd-144

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



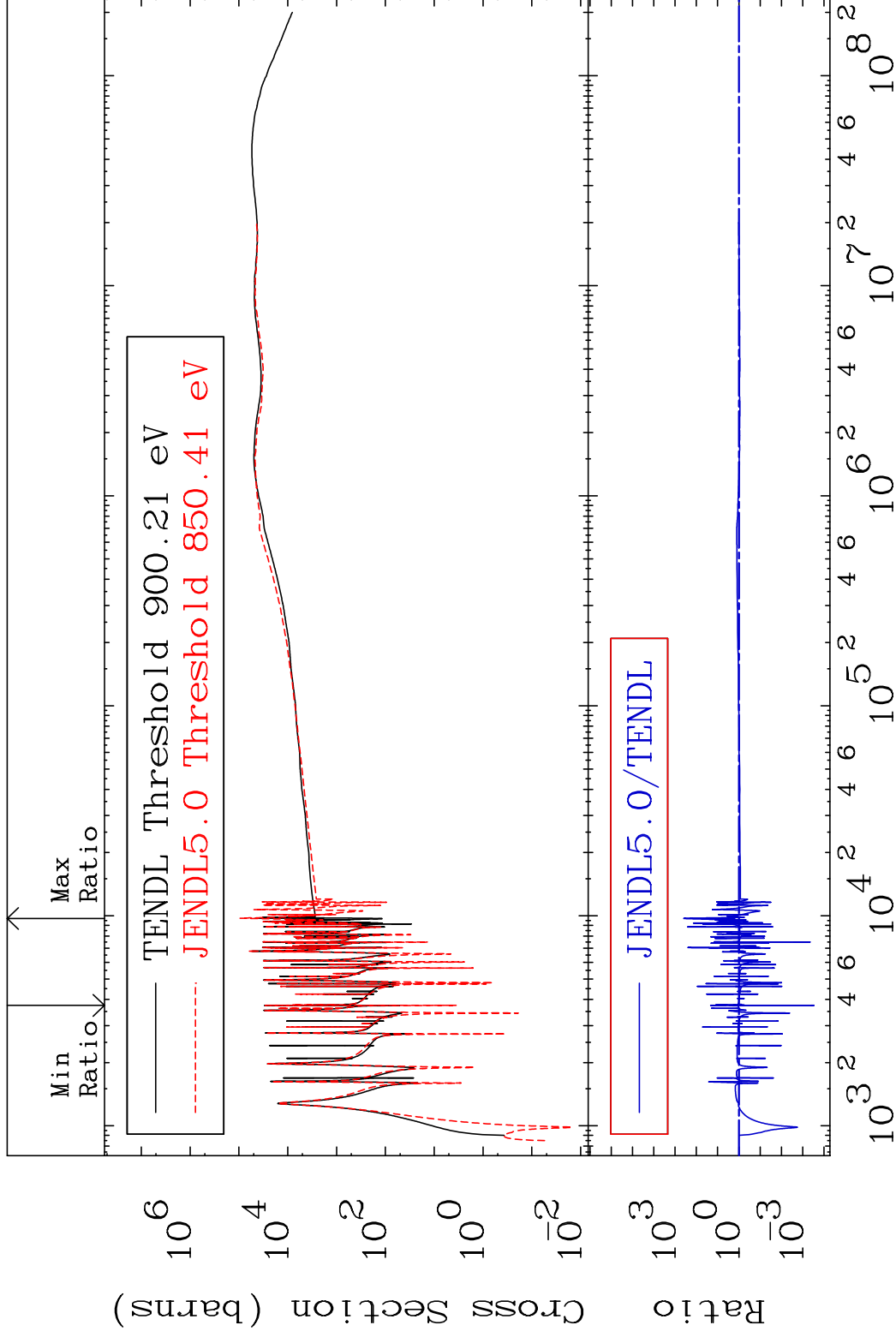
MAT 6031      Dpa total (eV-barns)      60-Nd-144  
 Cross Section      -99.95 To 9999. %



62      Incident Energy (eV)      60-Nd-144

MAT 6031

Dpa elastic (mt2) 60-Nd-144  
Cross Section -99.97 To 9999. %



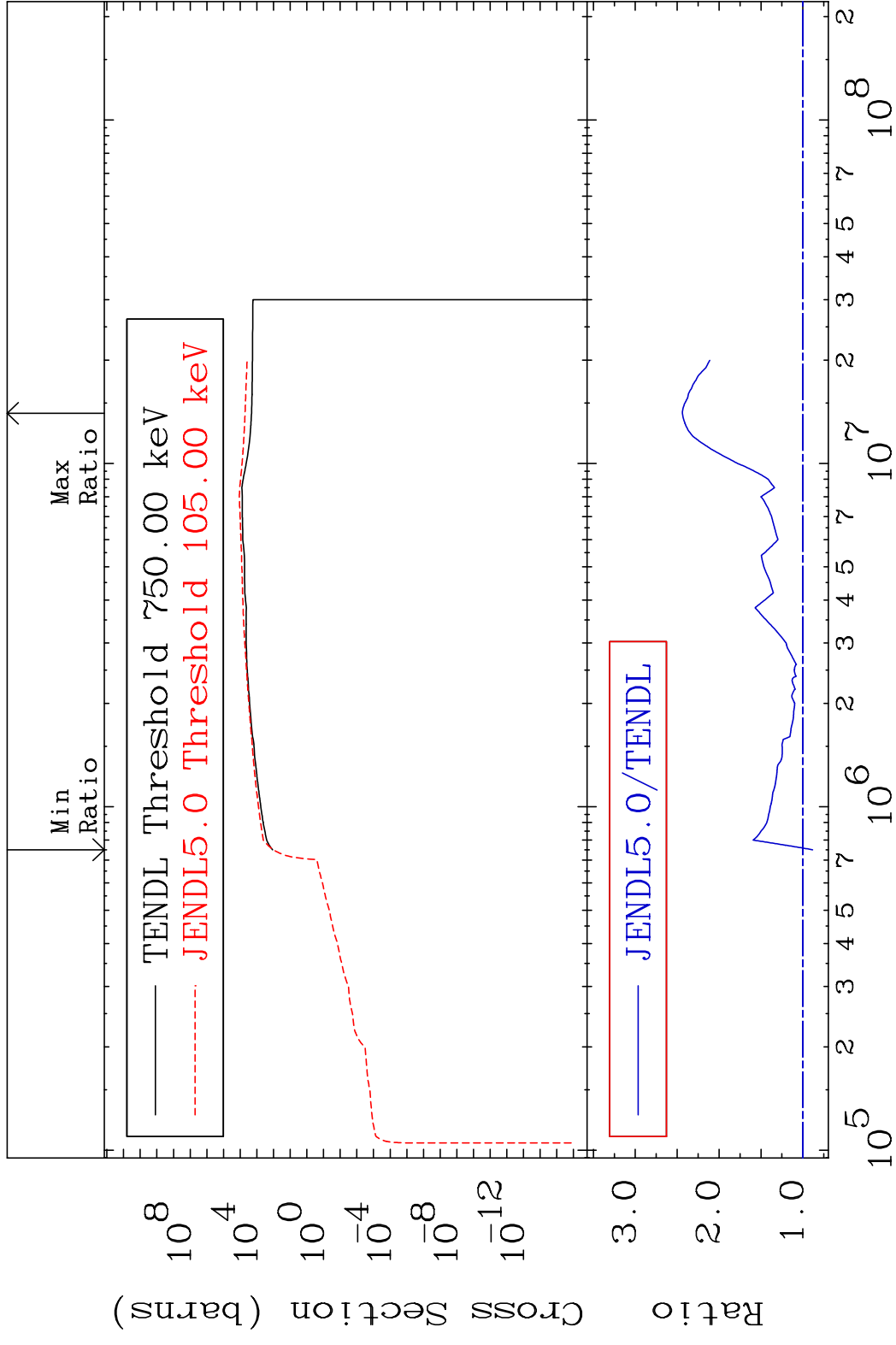
63

Incident Energy (eV)

60-Nd-144

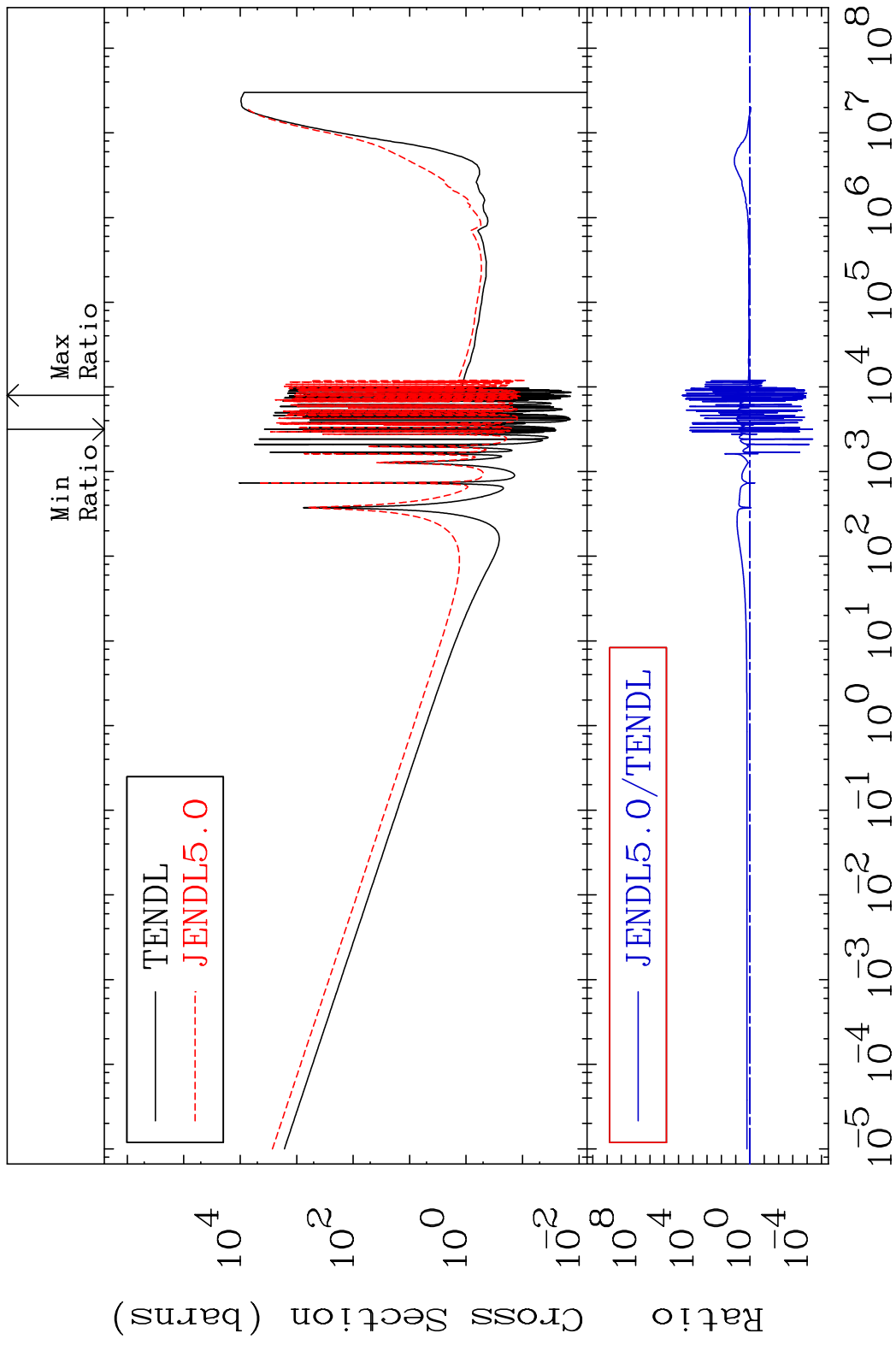


MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144  
 Cross Section -11.58 To 143.8 %



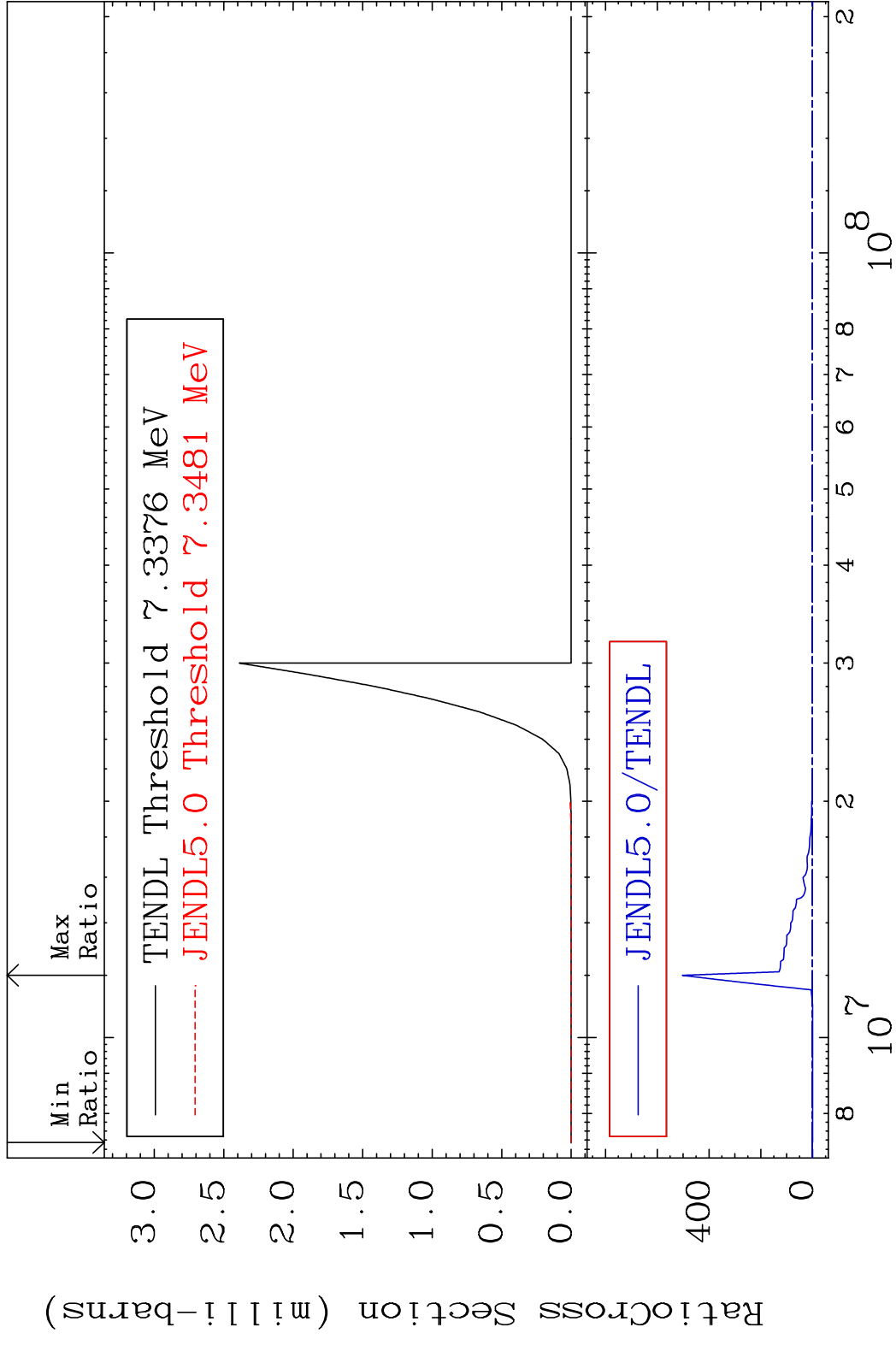
64 Incident Energy (eV) 60-Nd-144

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

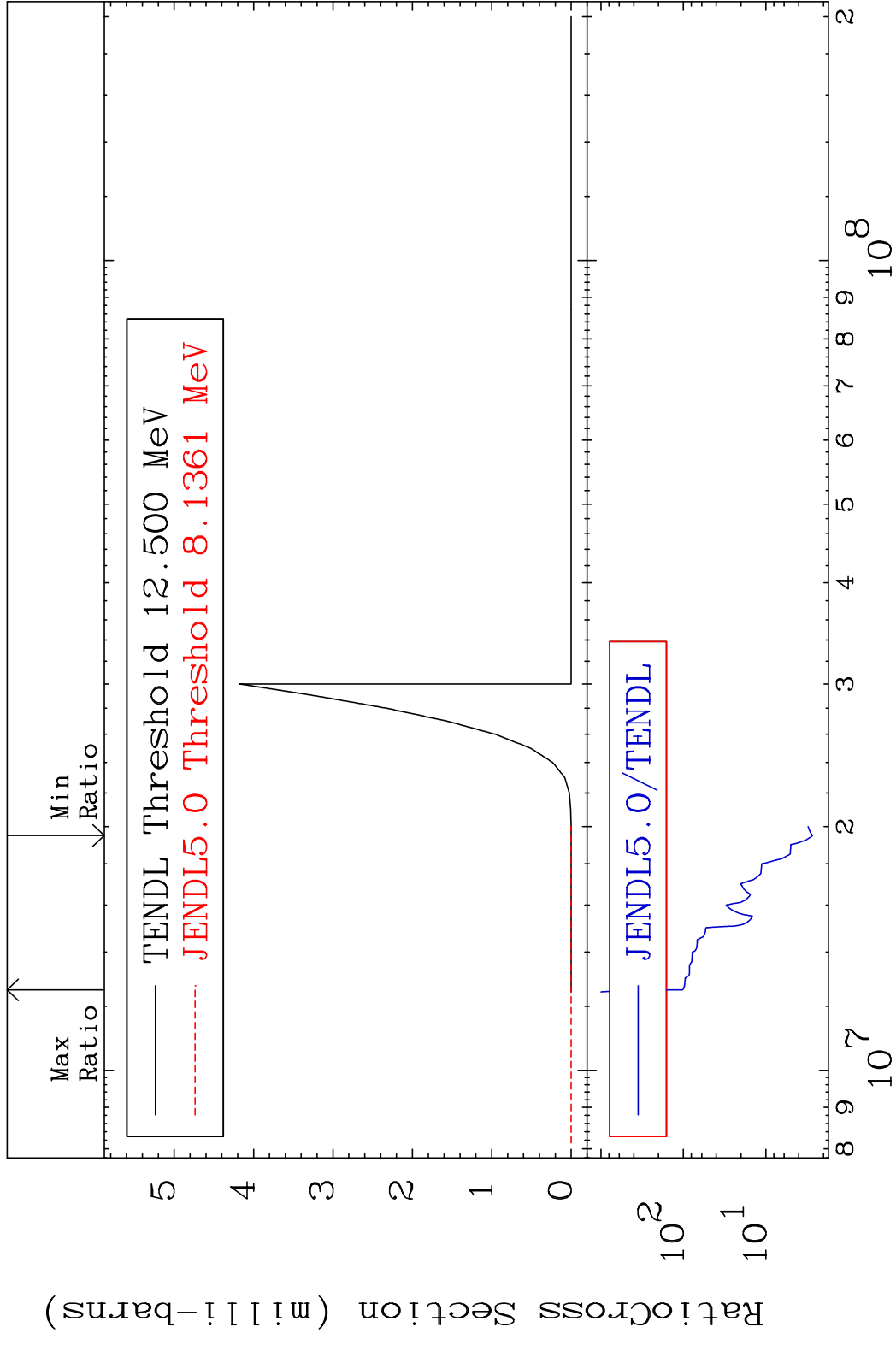


65 Incident Energy (eV) 60-Nd-144

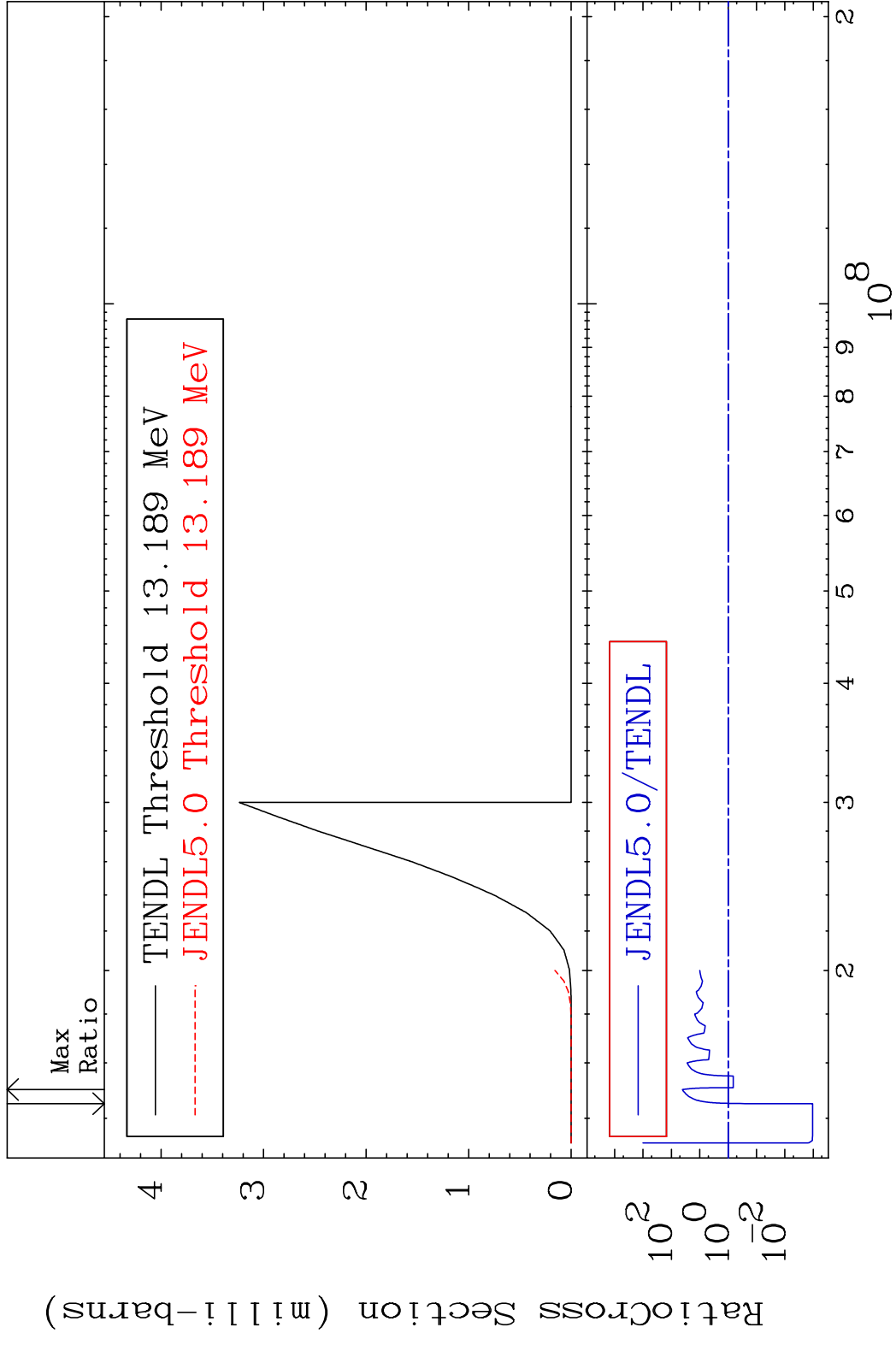
MAT 6031 (n,2n)  $\alpha$ :58-Ce-139g 60-Nd-144  
 Radionuclide Production Cross Section Ratio 9999. %

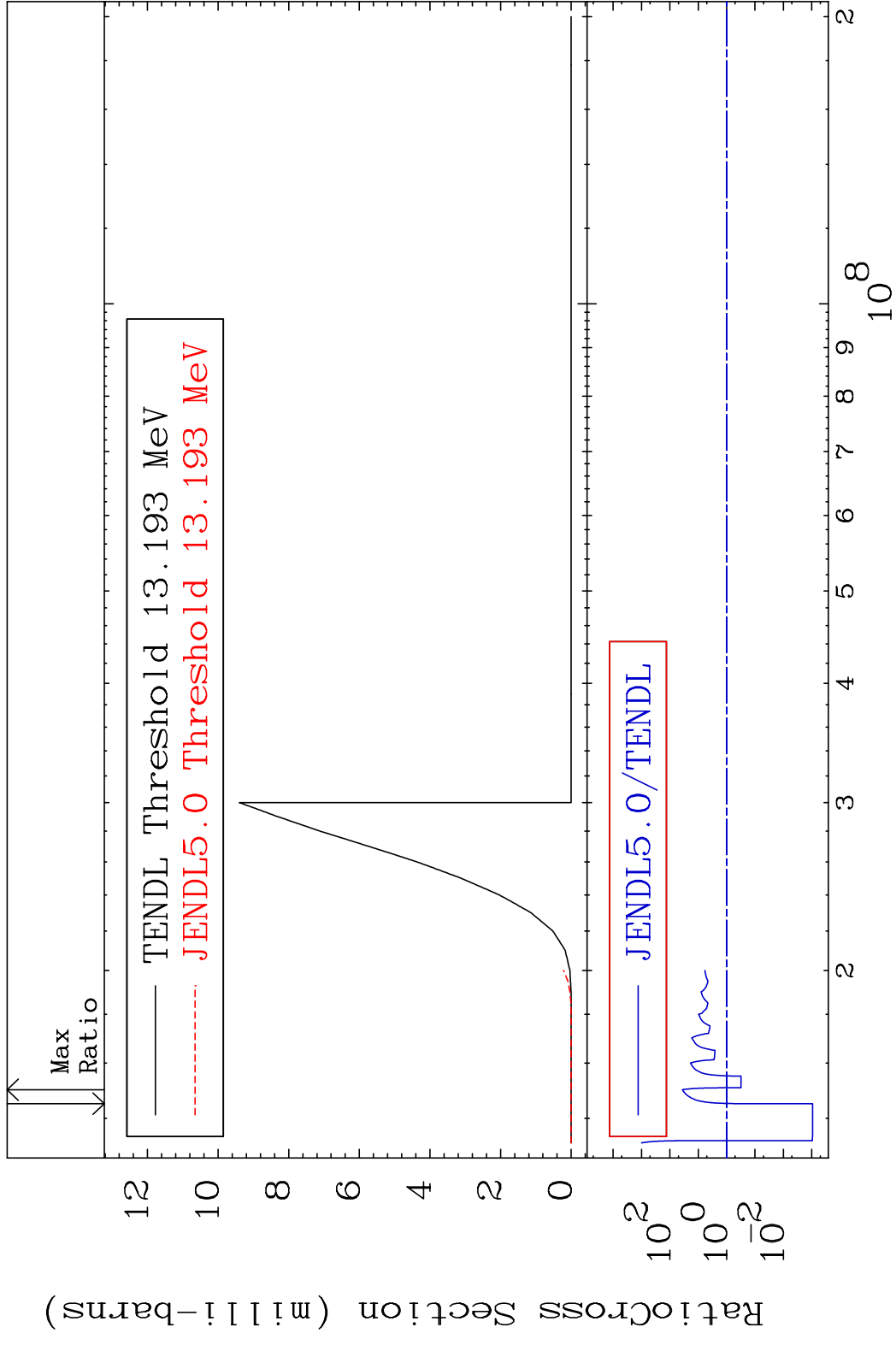


MAT 6031 (n,2n)  $\alpha$ :58-Ce-139m2 60-Nd-144  
 Radionuclide Production Cross Section (%)

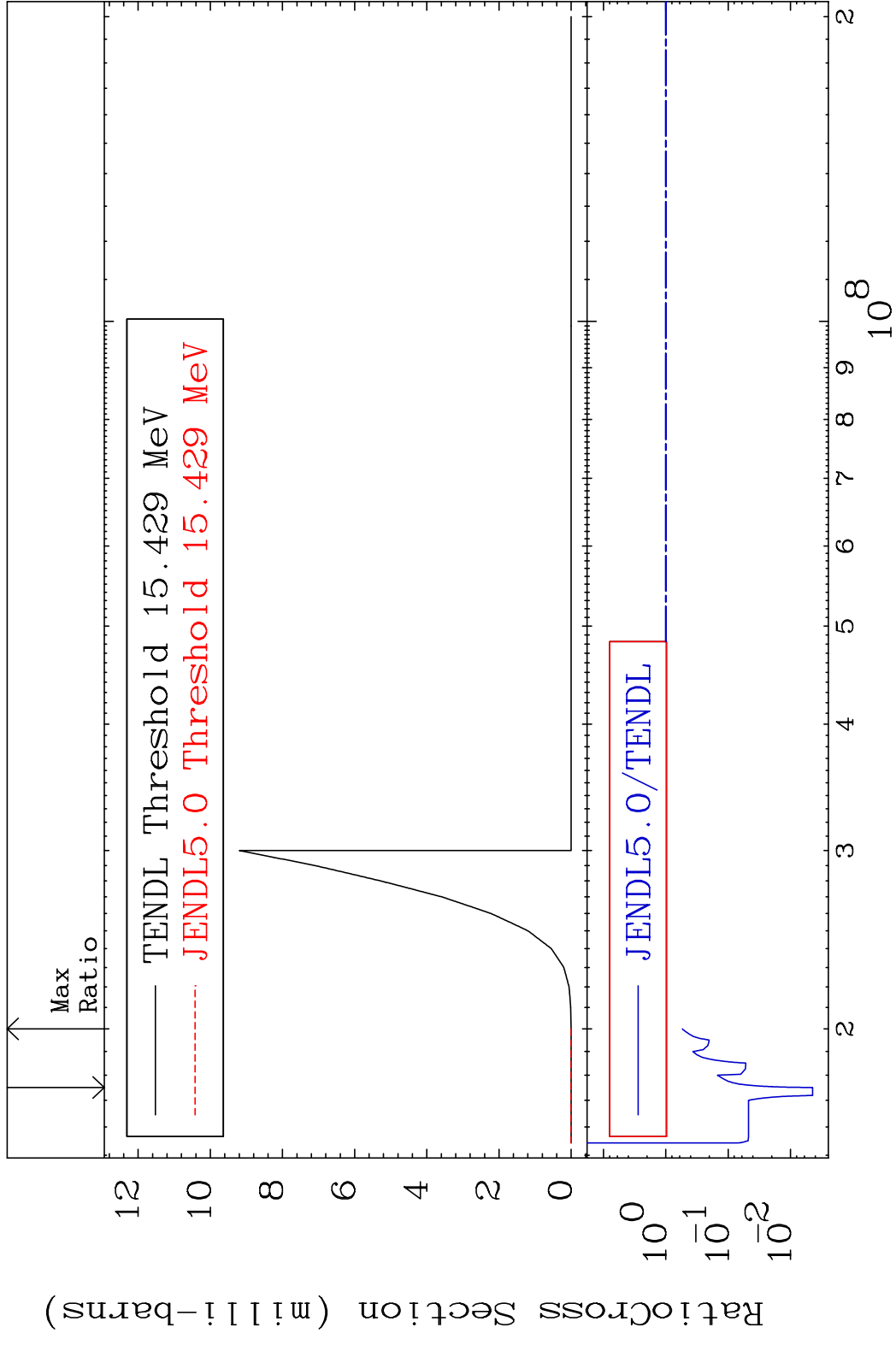


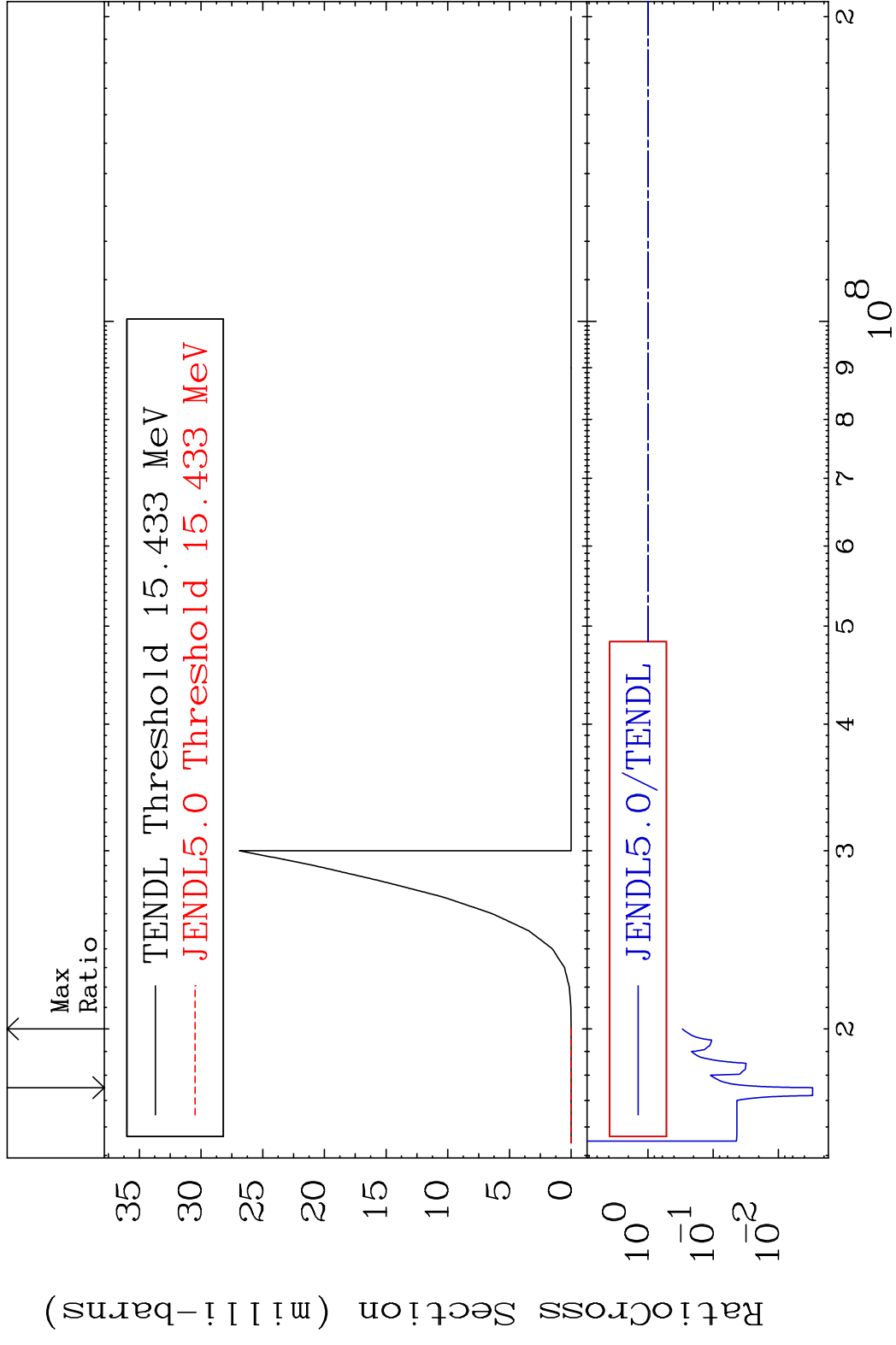
MAT 6031 (n, n') d:59-Pr-142g 60-Nd-144  
 Radionuclide Production Cross Section 98.69 d to 4013. %



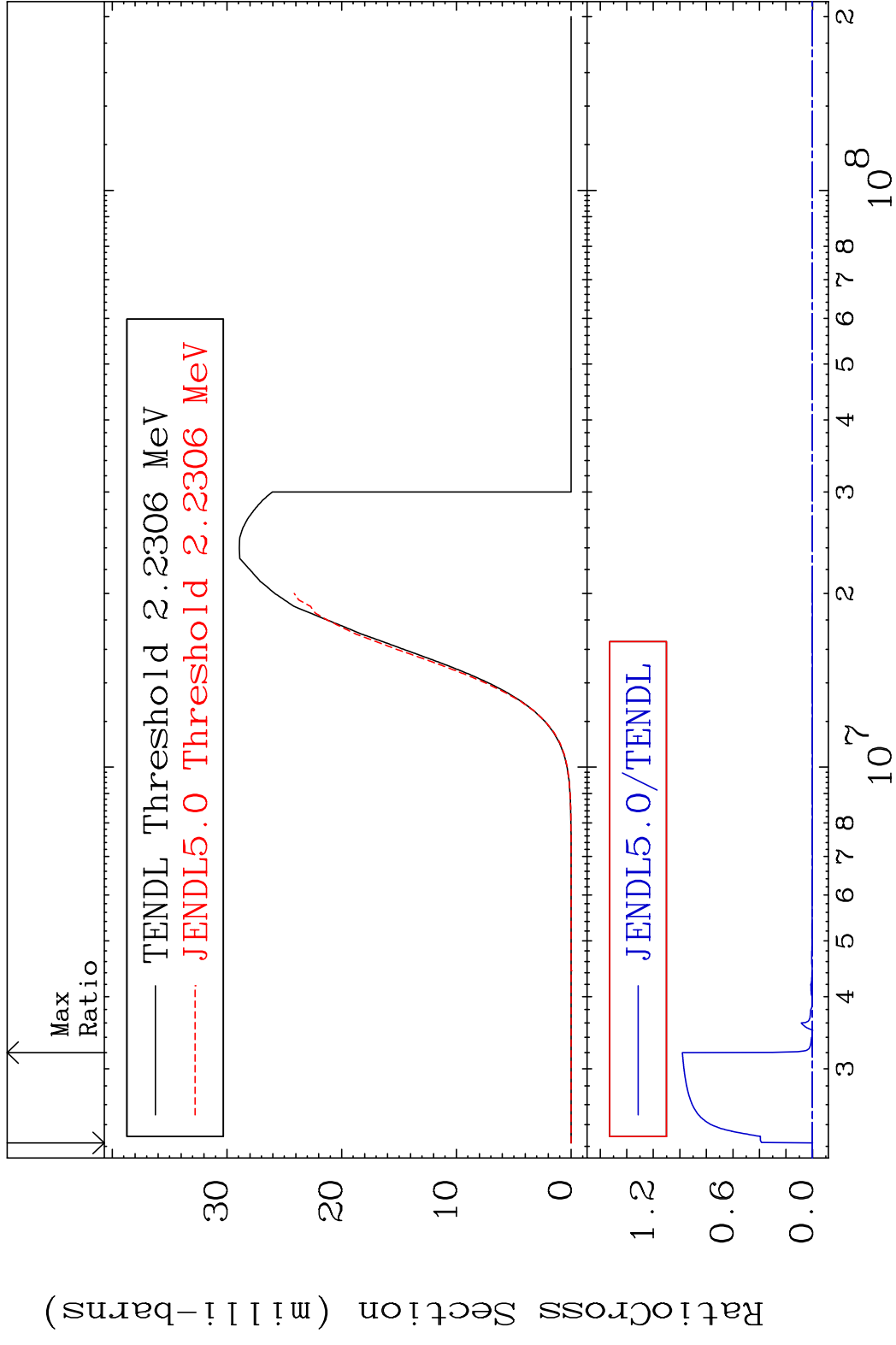


MAT 6031 (n,2n) p:59-Pr-142g 60-Nd-144  
 Radionuclide Production Cross Section 98.561 dtho -45.68%

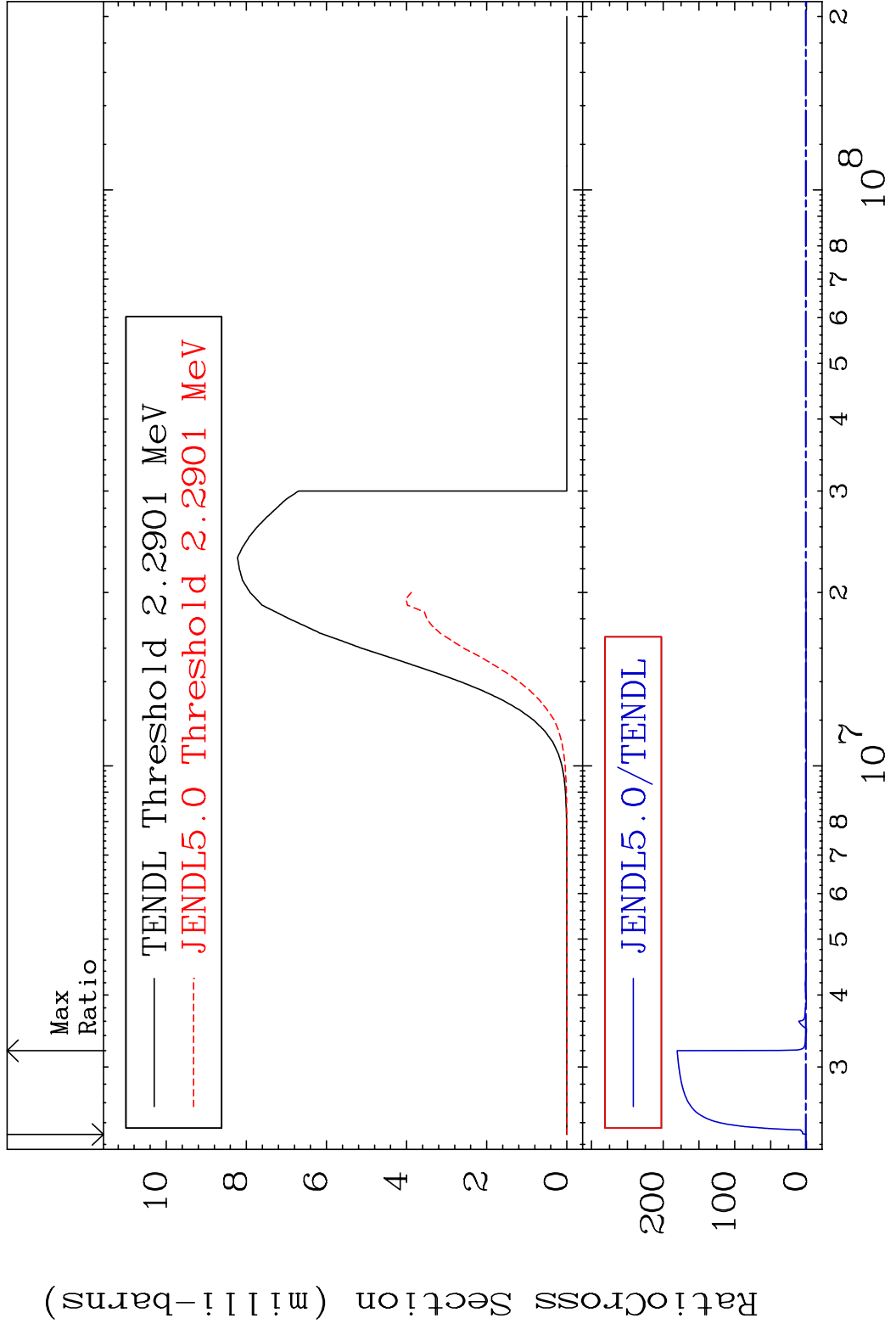




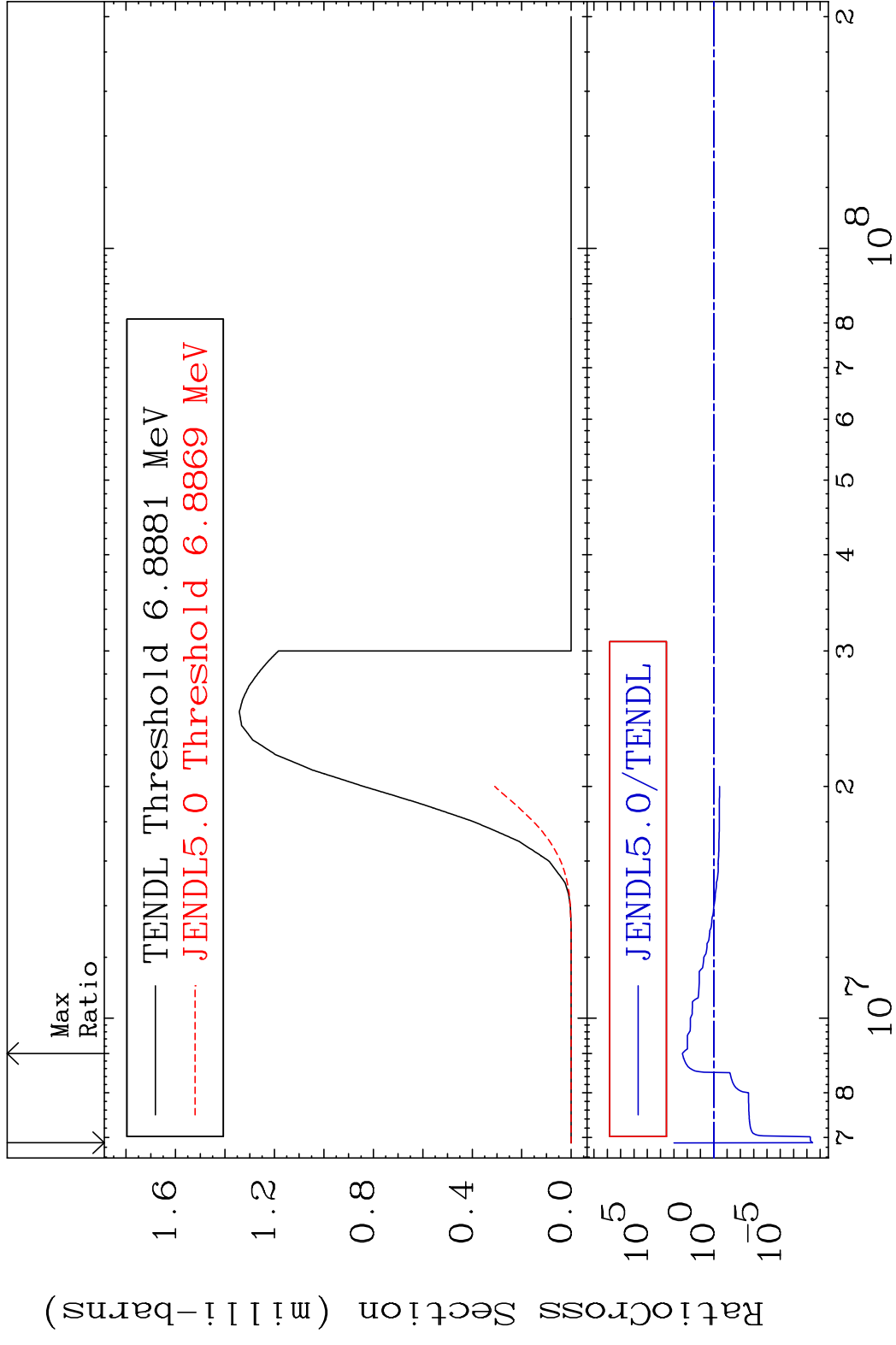




MAT 6031 (n, p):59-Pr-144m1 60-Nd-144  
 Radionuclide Production Cross Section 100.00 % 9999. %



MAT 6031 (n,t):59-Pr-142g 60-Nd-144  
 Radionuclide Production Cross Section 100.00 dth 9999. %



MAT 6031 (n, t):59-Pr-142m1 60-Nd-144  
 Radionuclide Production Cross Section 18000 dth 9999. %

