

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

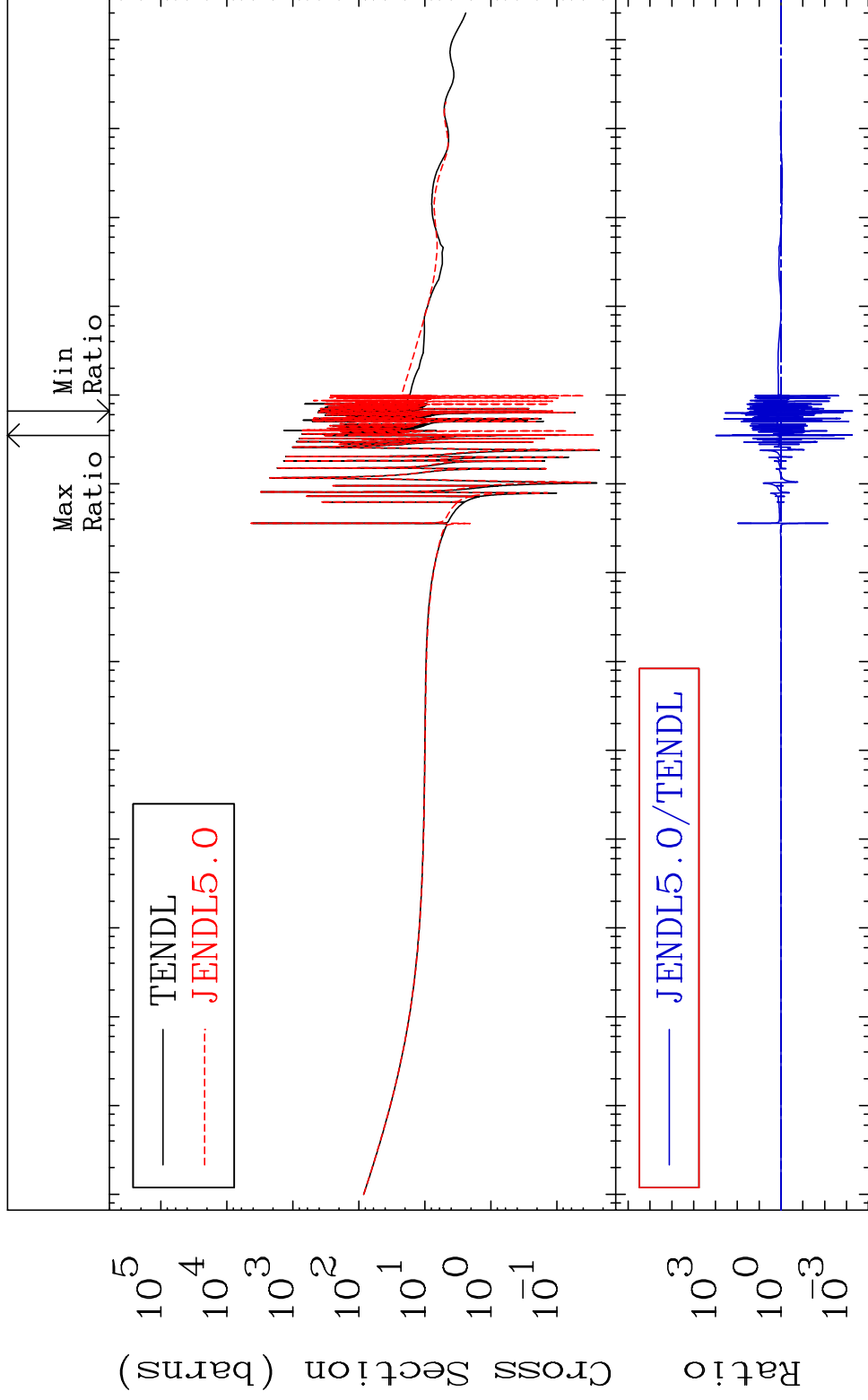
MAT 6037

Total

60-Nd-146

Cross Section

-99.95 To 9999. %



1

Incident Energy (eV)

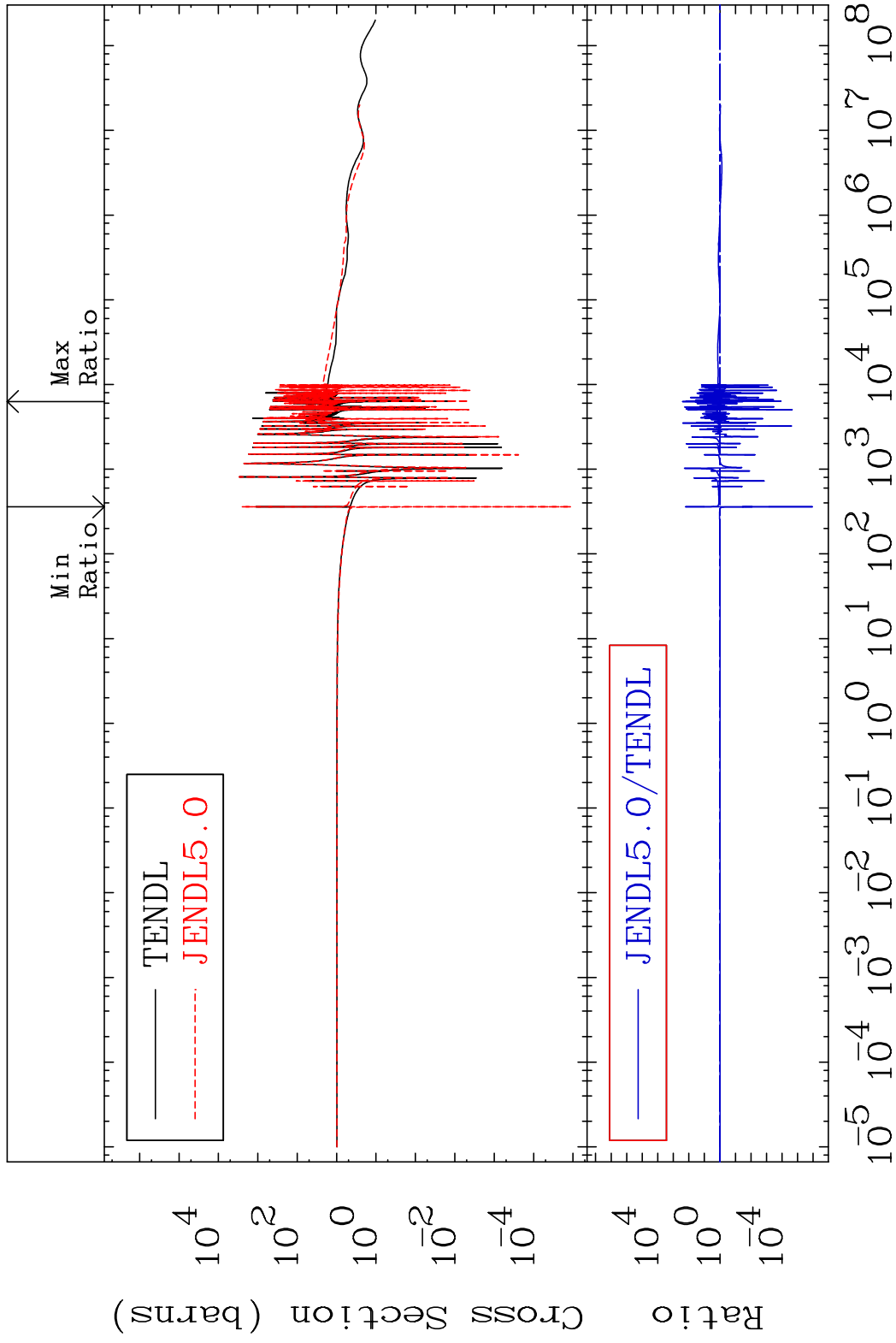
60-Nd-146

MAT 6037

Elastic

60-Nd-146

Cross Section -100.0 To 9999. %



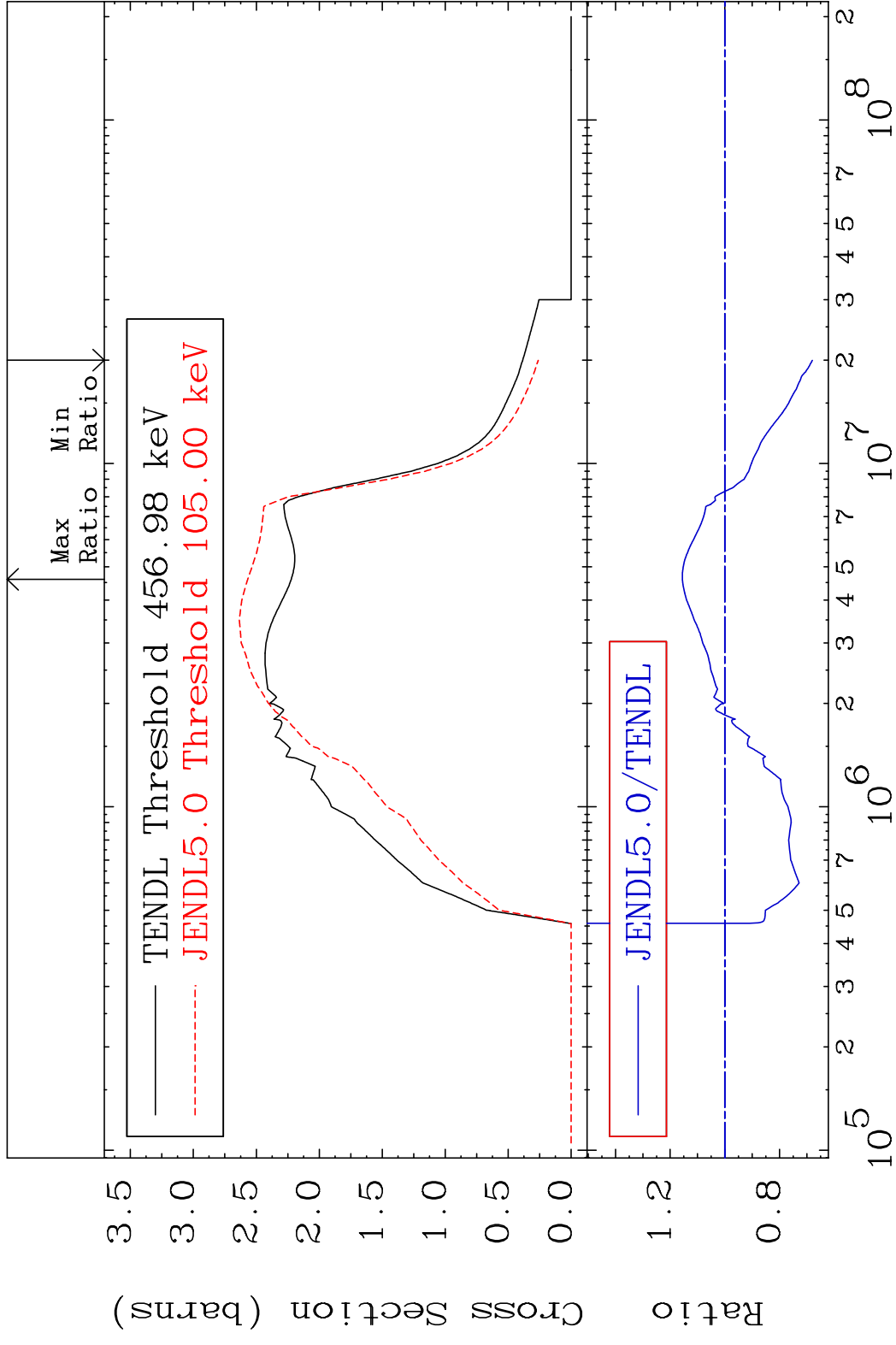
MAT 6037

Inelastic

60-Nd-146

Cross Section

-32.05 To 15.55 %



3

Incident Energy (eV)

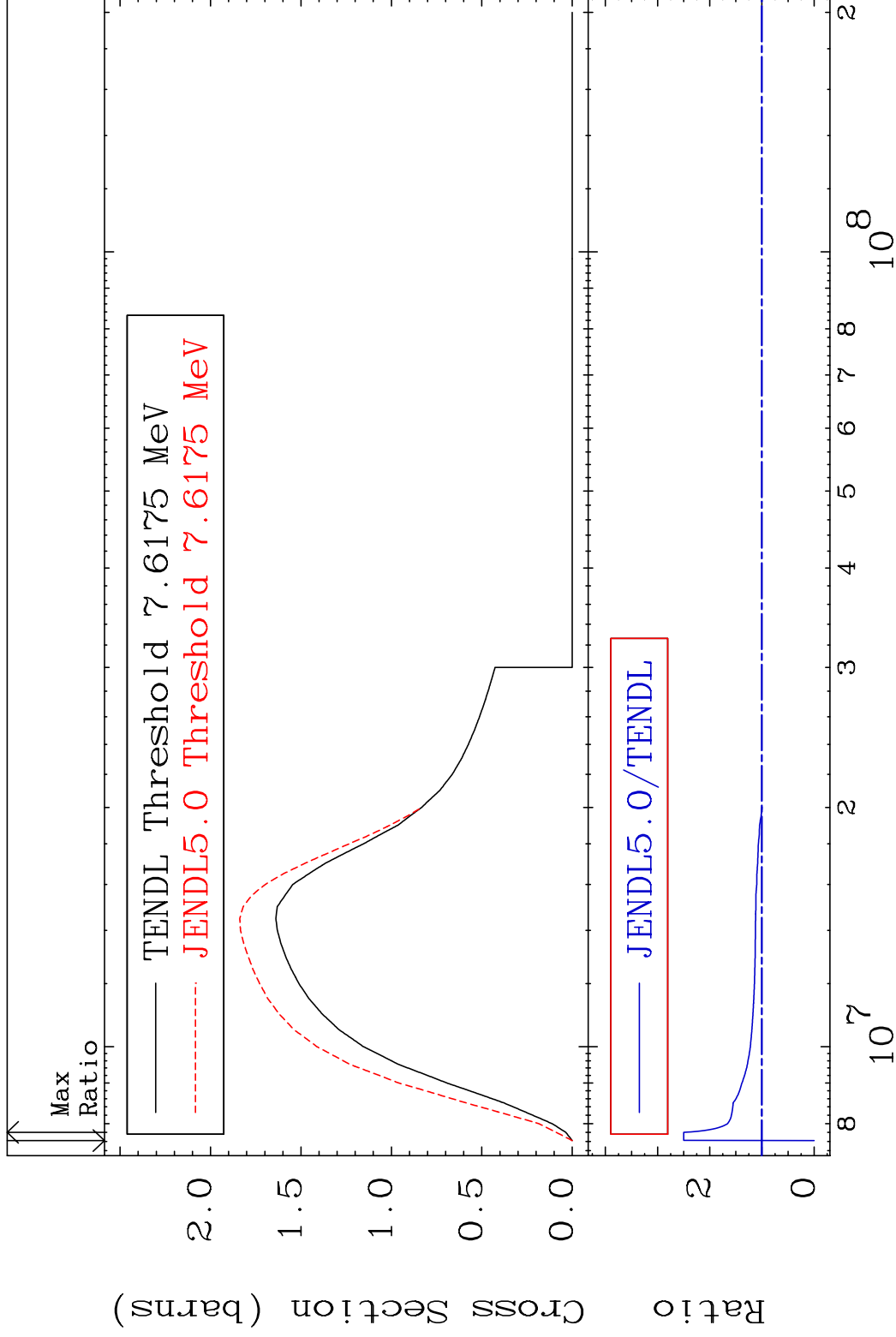
60-Nd-146

MAT 6037

(n,2n)

60-Nd-146

Cross Section -100.0 To 150.0 %



4

Incident Energy (eV)

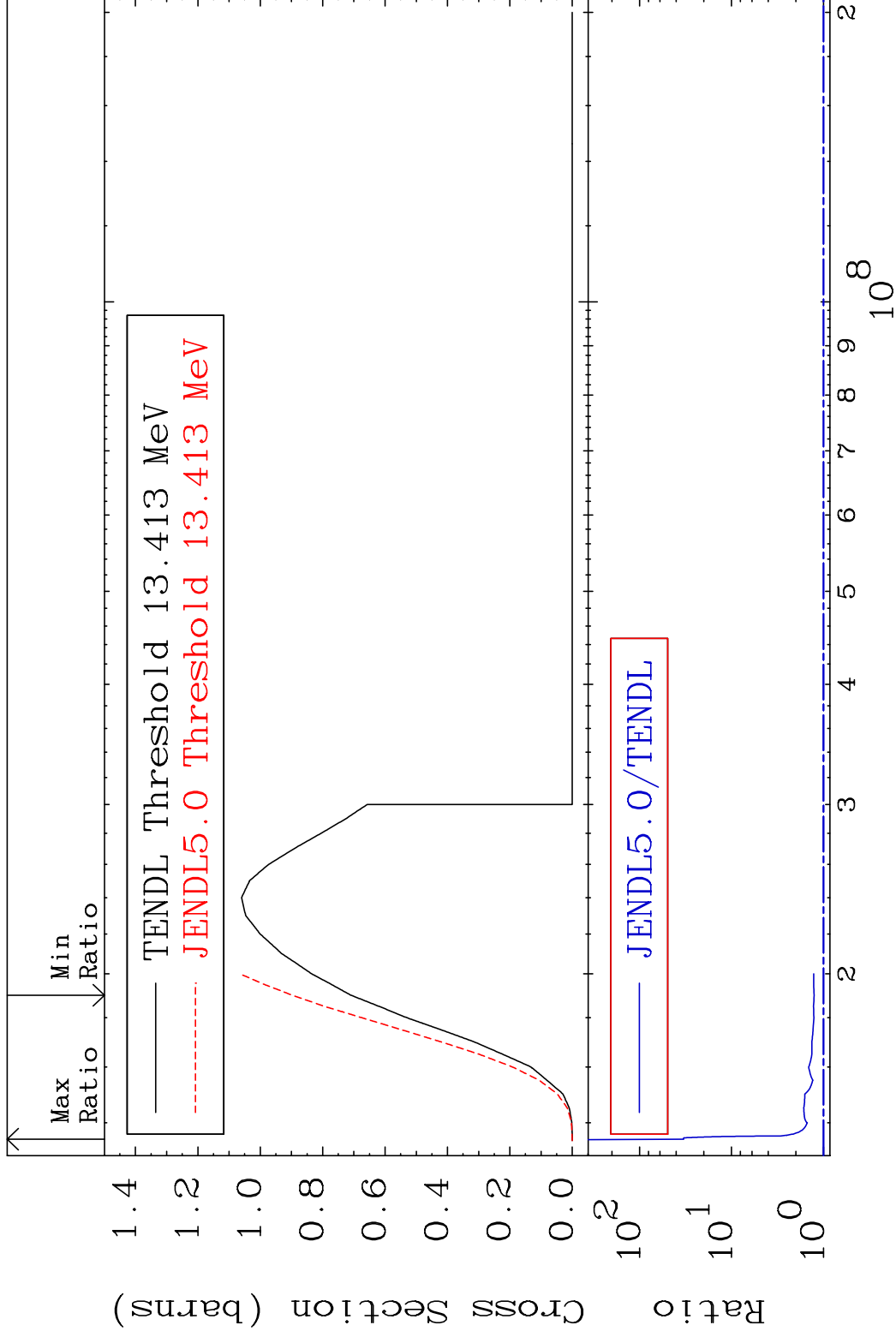
60-Nd-146

MAT 6037

(n,3n)

60-Nd-146

Cross Section 26.52 To 3218. %



5

Incident Energy (eV)

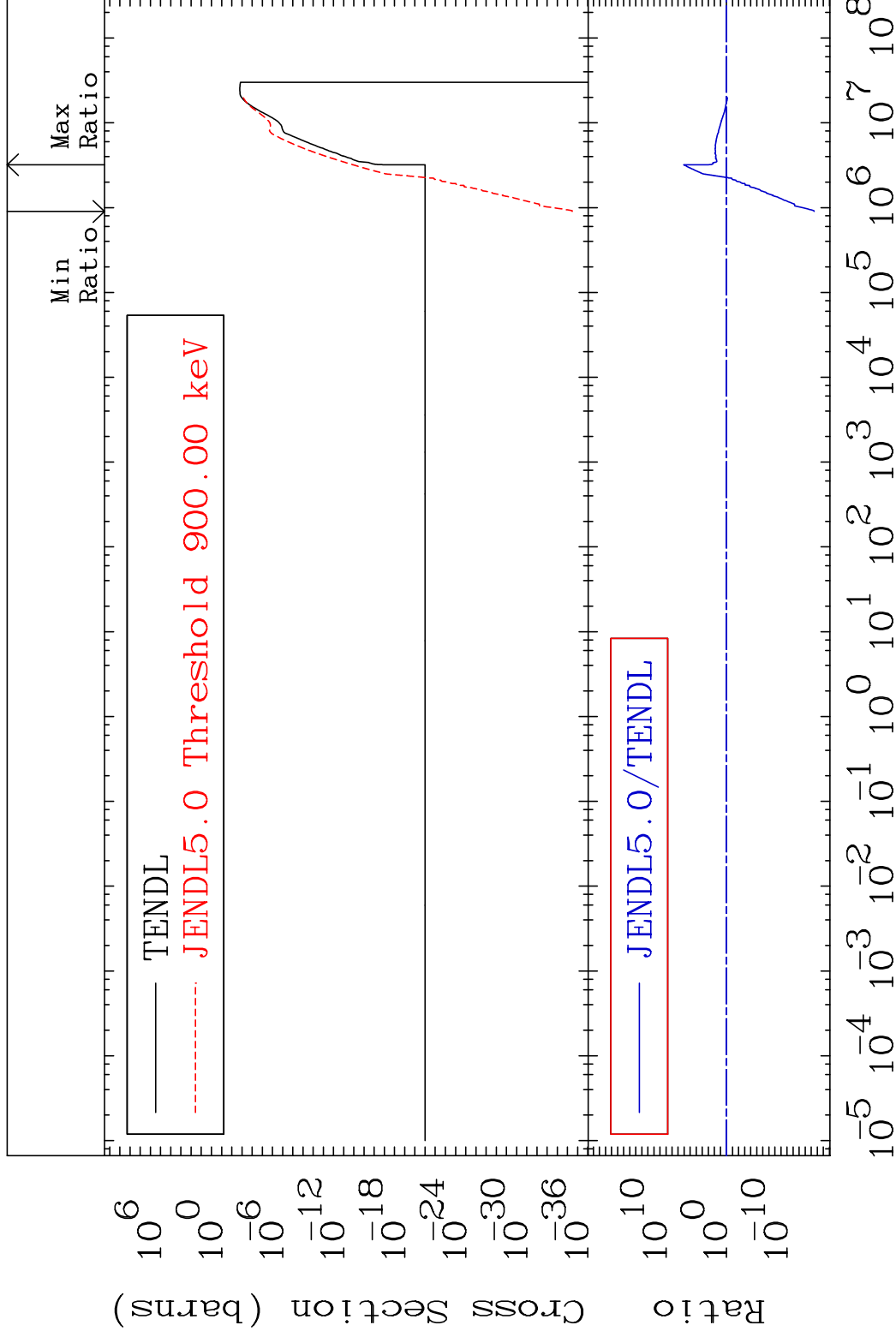
60-Nd-146

MAT 6037

(n, n') α

60-Nd-146

Cross Section -100.0 To 9999. %

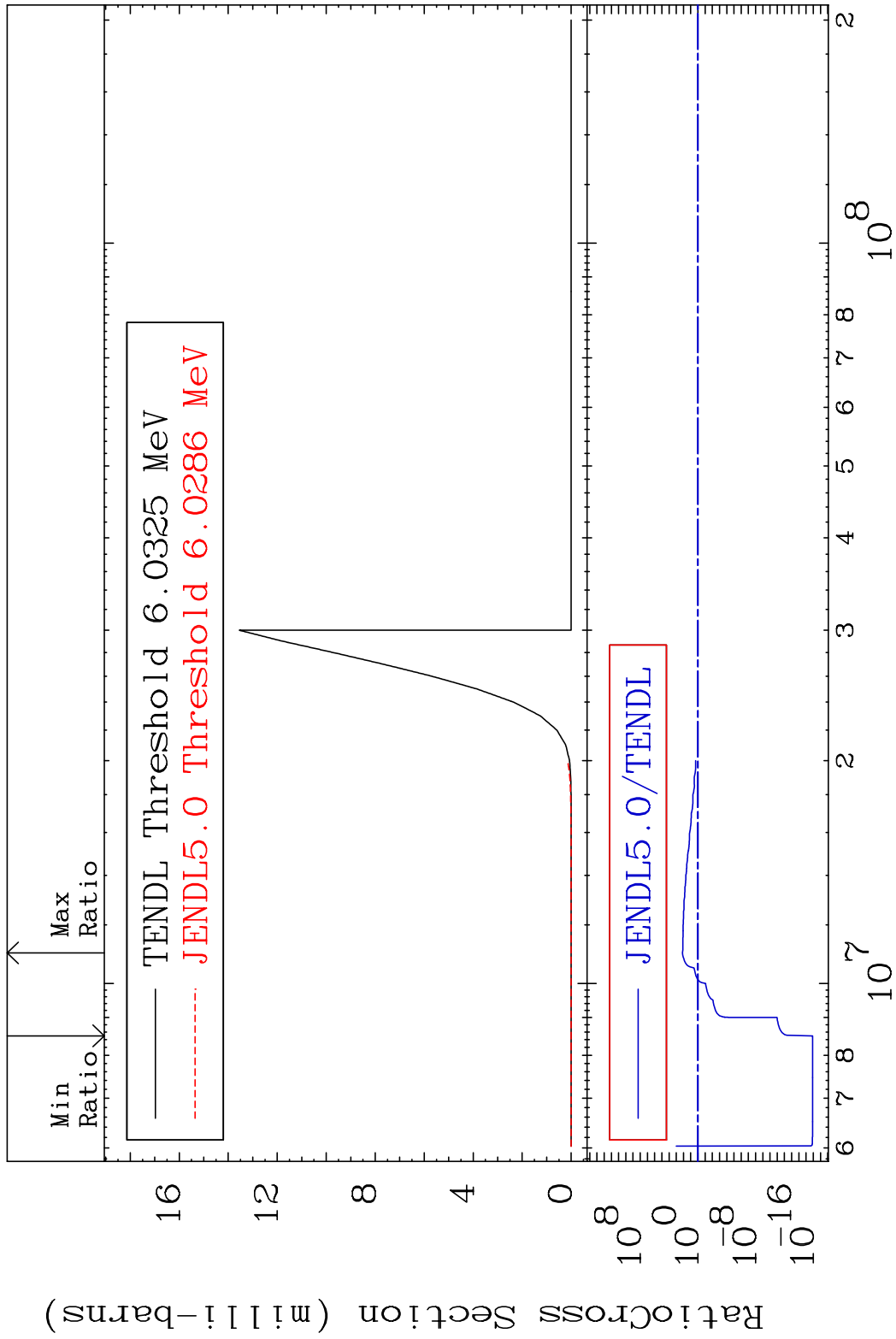


MAT 6037

(n,2n) α

60-Nd-146

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

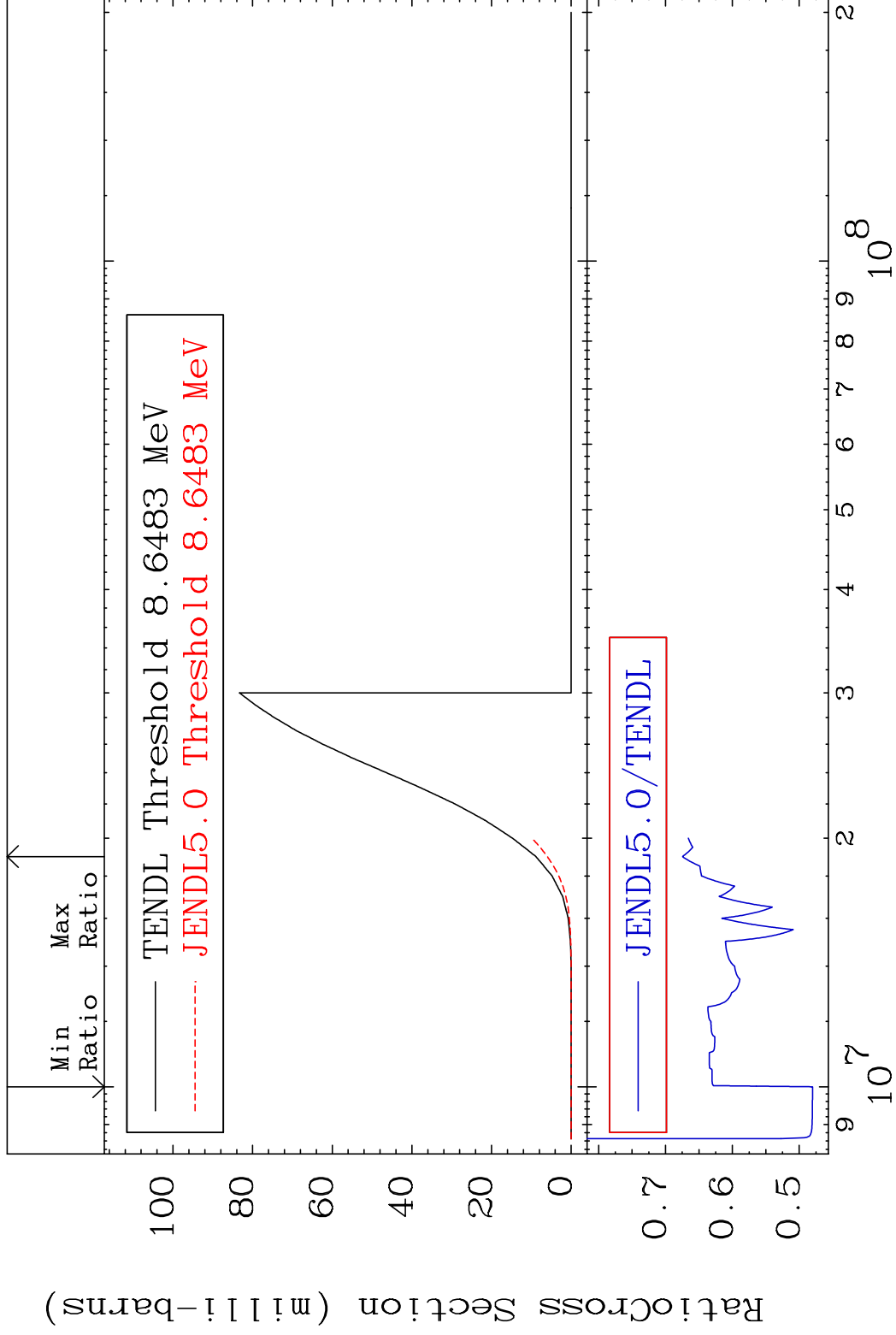
60-Nd-146

MAT 6037

(n, n') p

60-Nd-146

Cross Section -51.99 To -32.52%



8

Incident Energy (eV)

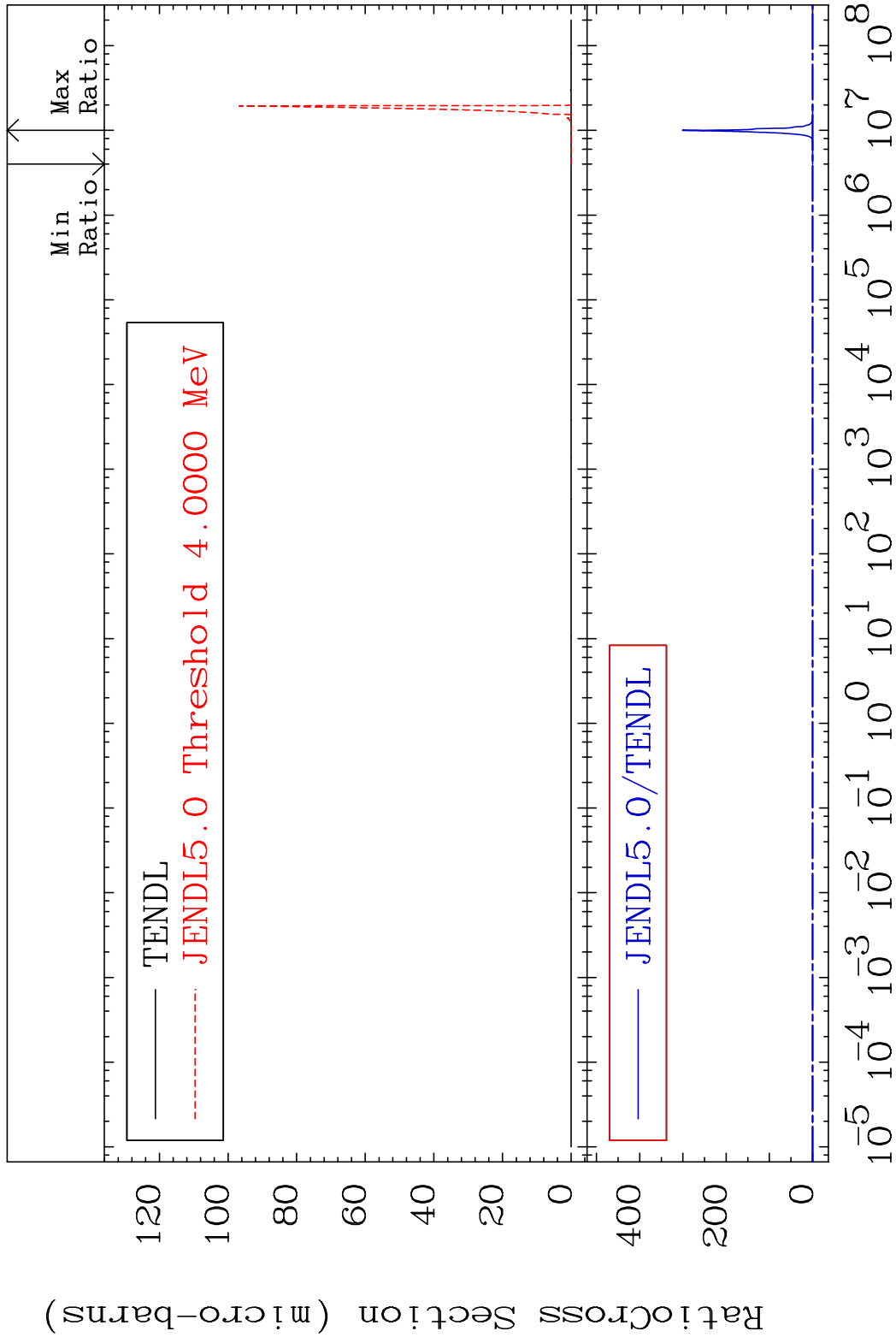
60-Nd-146

MAT 6037

(n, n') 2α

60-Nd-146

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

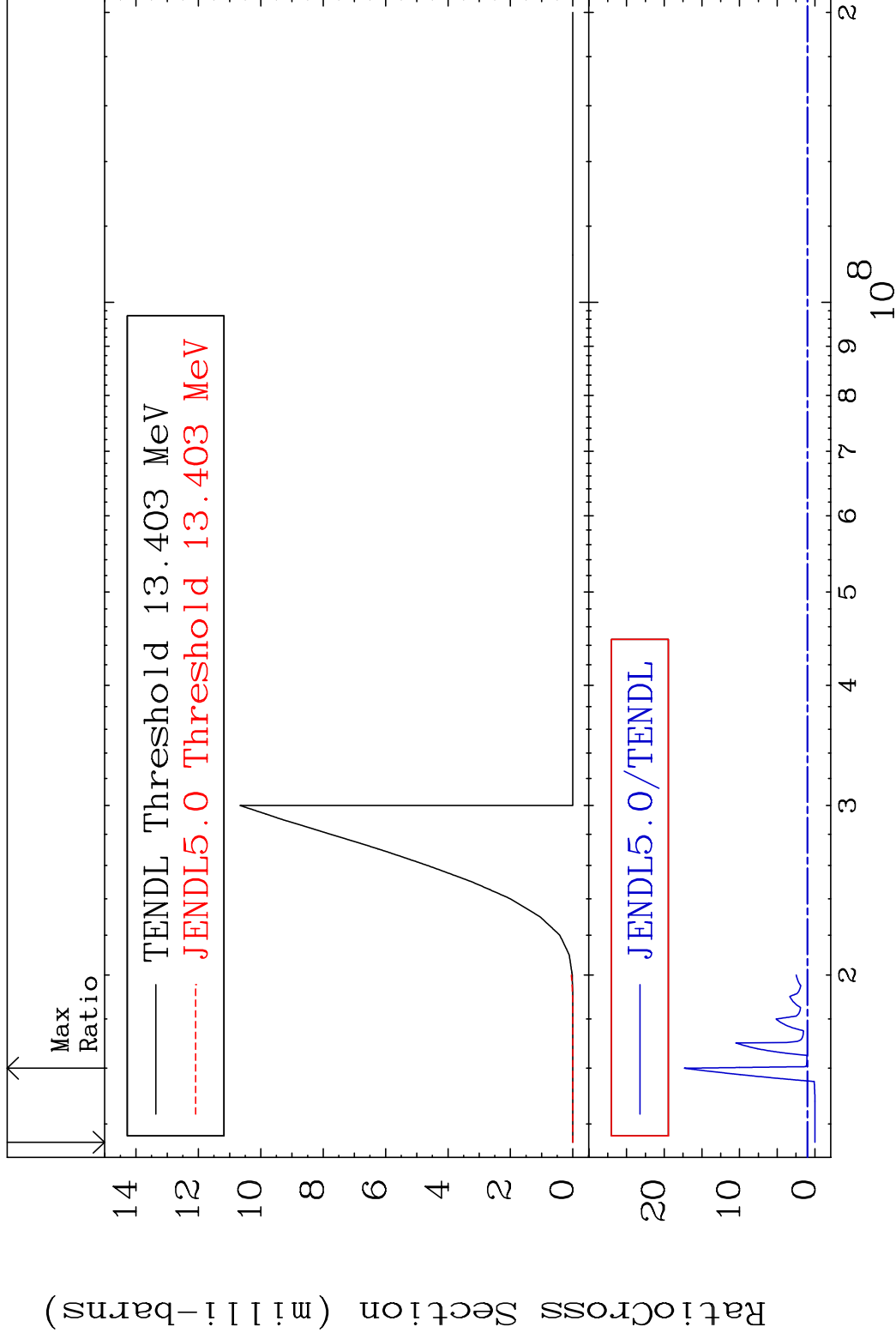
60-Nd-146

MAT 6037

(n, n') d

60-Nd-146

Cross Section -100.0 To 1634. %



10

Incident Energy (eV)

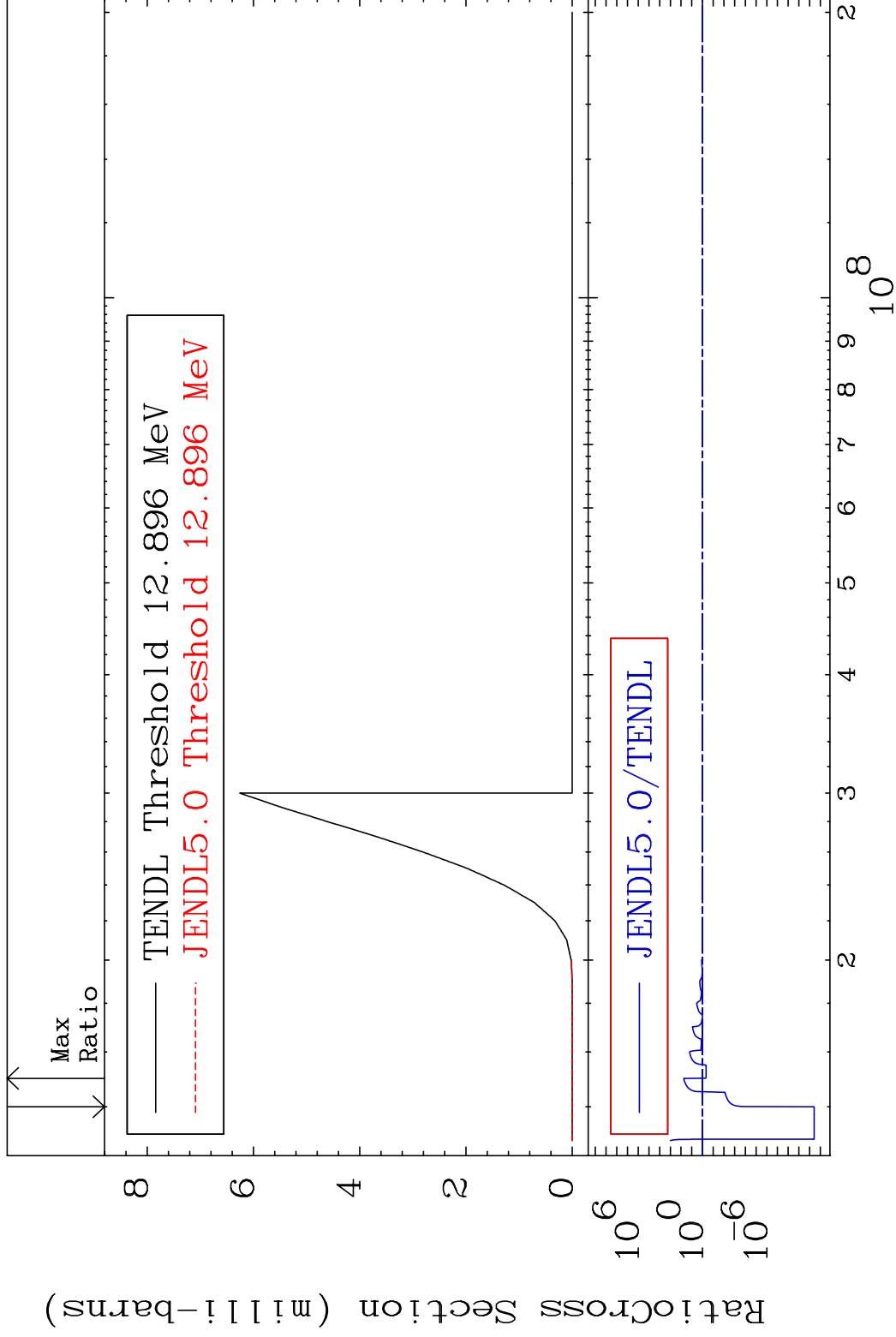
60-Nd-146

MAT 6037

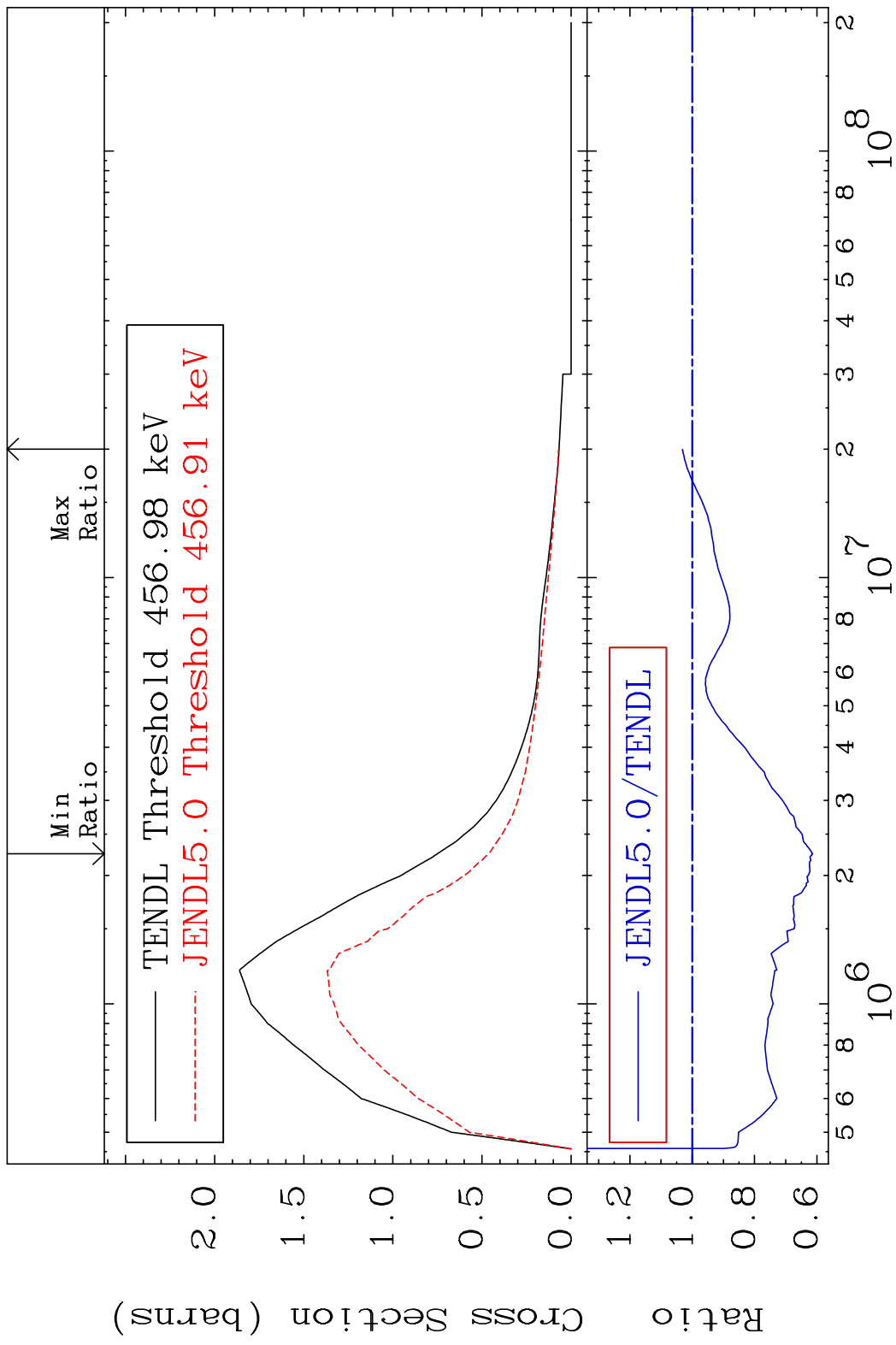
(n, n') t

60-Nd-146

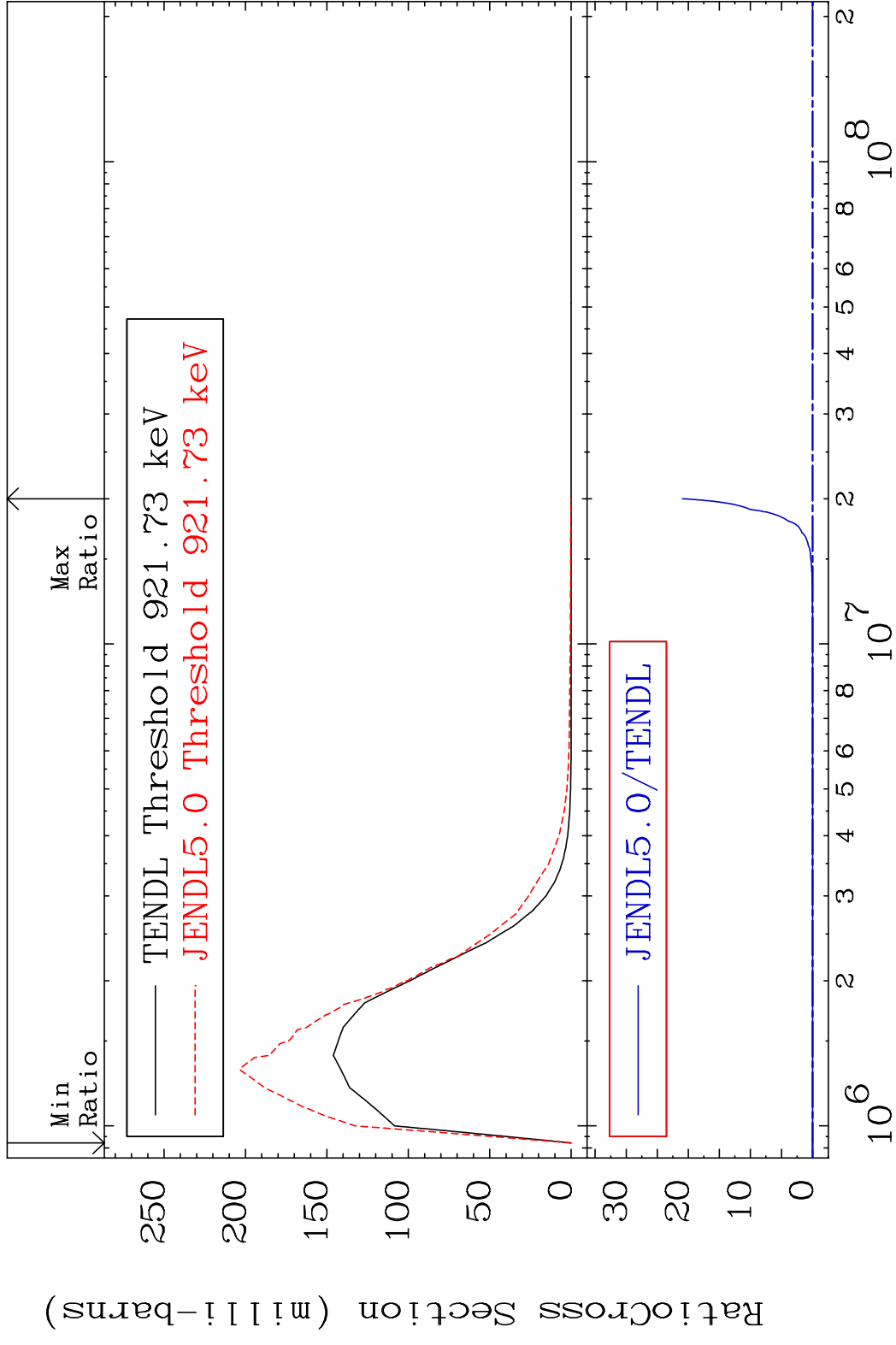
Cross Section -100.0 To 5613. %



MAT 6037 MT= 51 (n, n') Level 60-Nd-146
 Cross Section -38.60 To 3.156 %

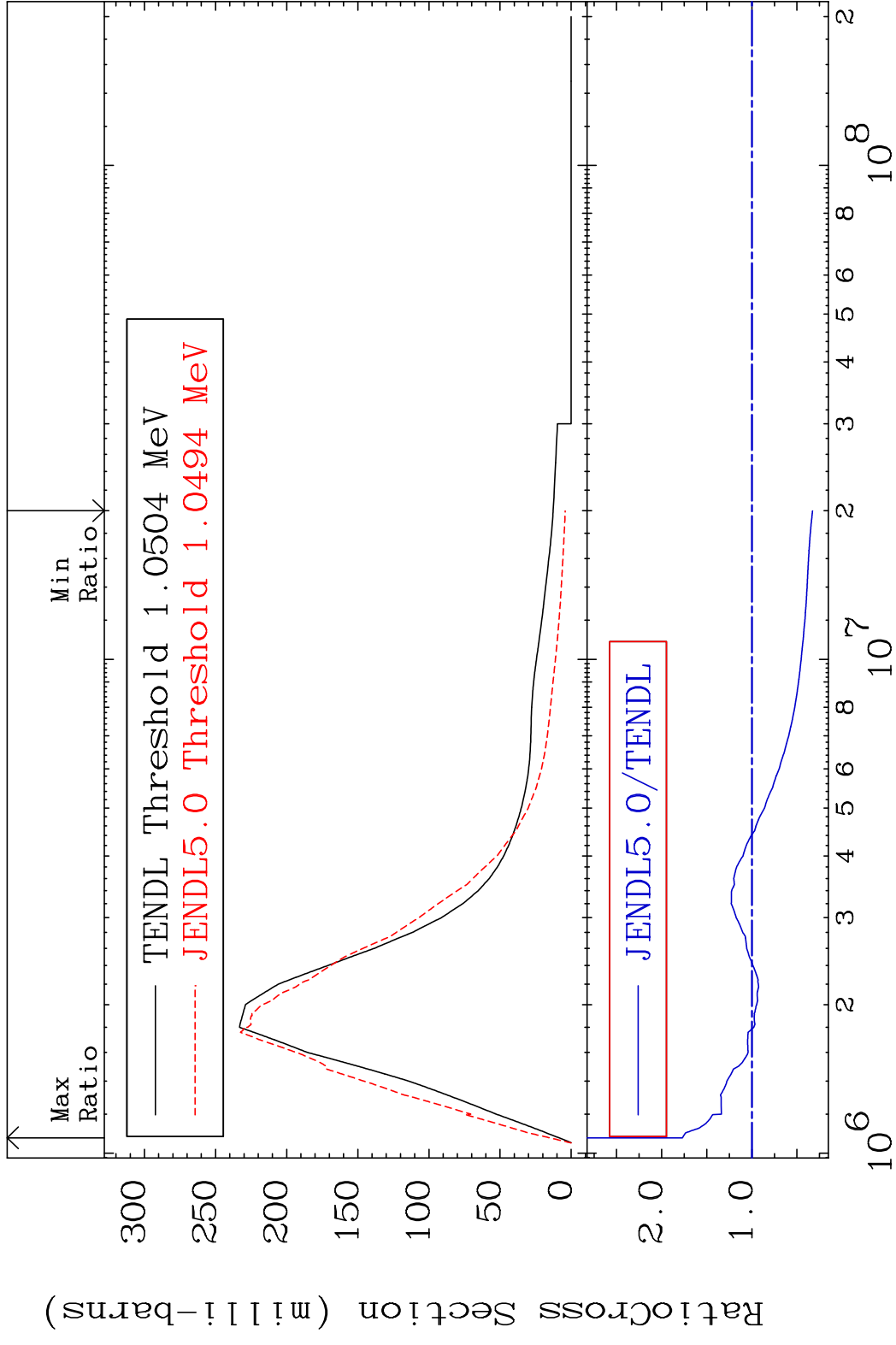


MAT 6037 MT= 52 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 9999. %



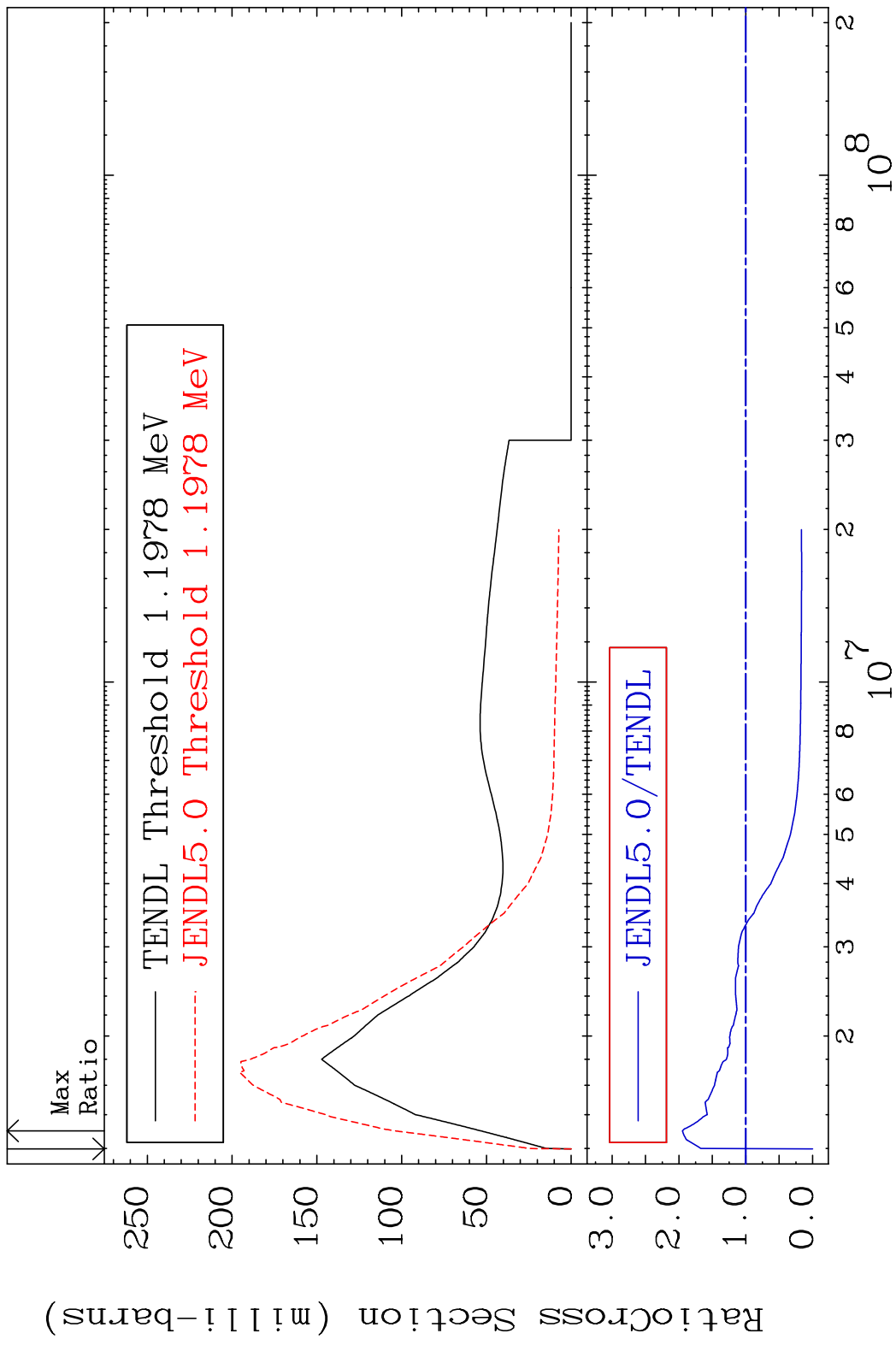
13 Incident Energy (eV) 60-Nd-146

MAT 6037 MT= 53 (n, n') Level 60-Nd-146
 Cross Section -67.27 To 77.09 %

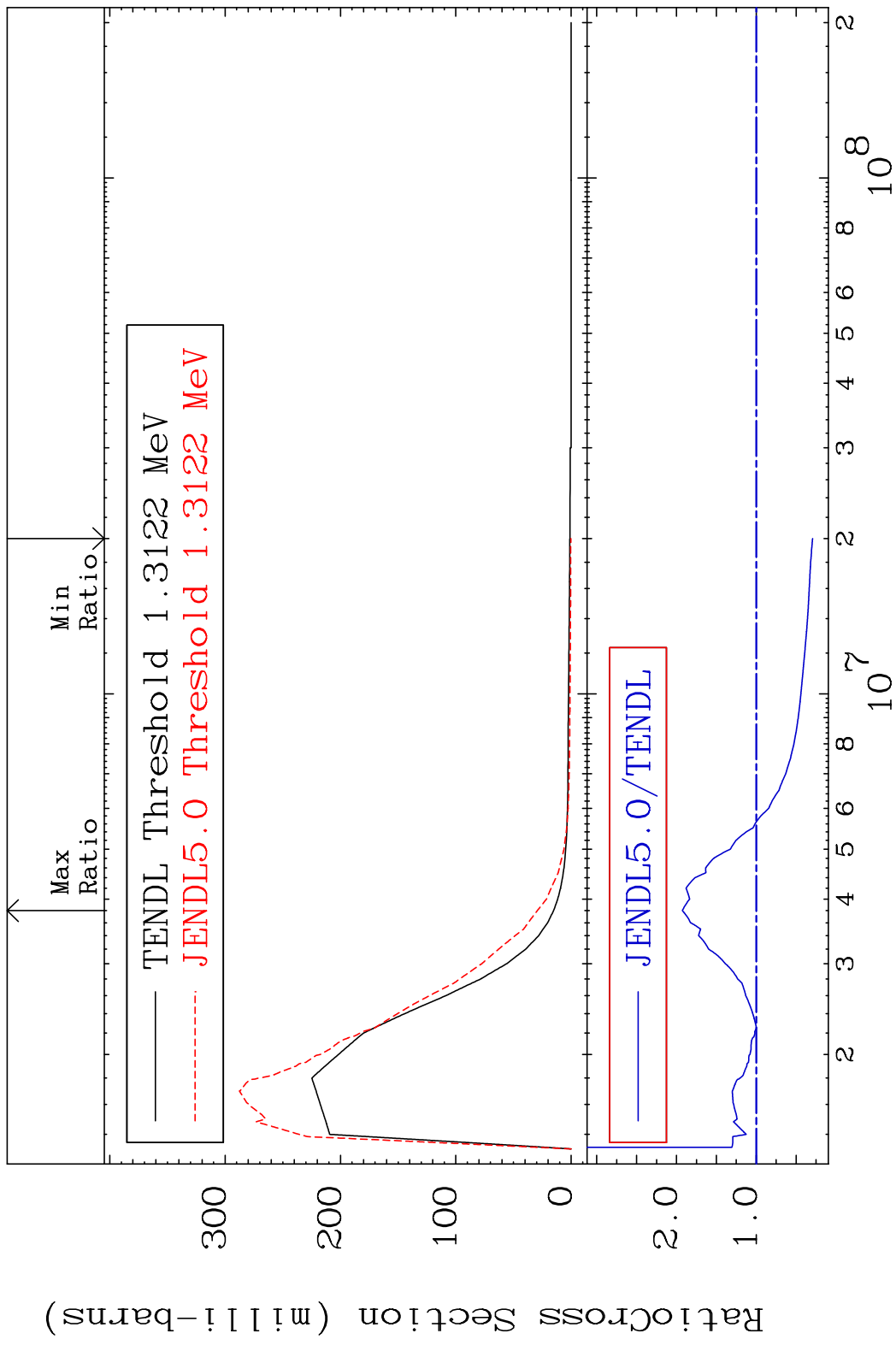


14 Incident Energy (eV) 60-Nd-146

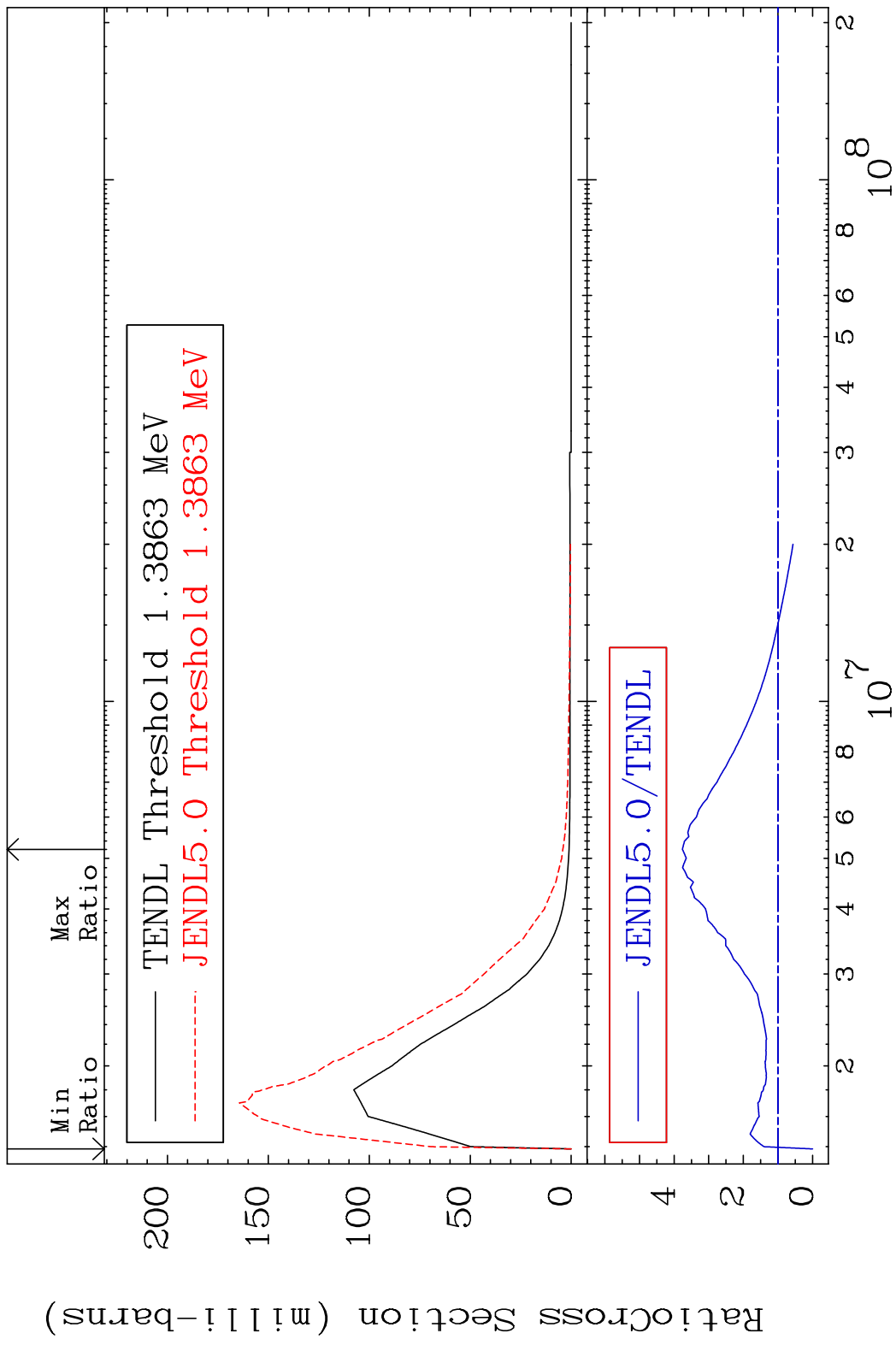
MAT 6037 MT= 54 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 94.91 %



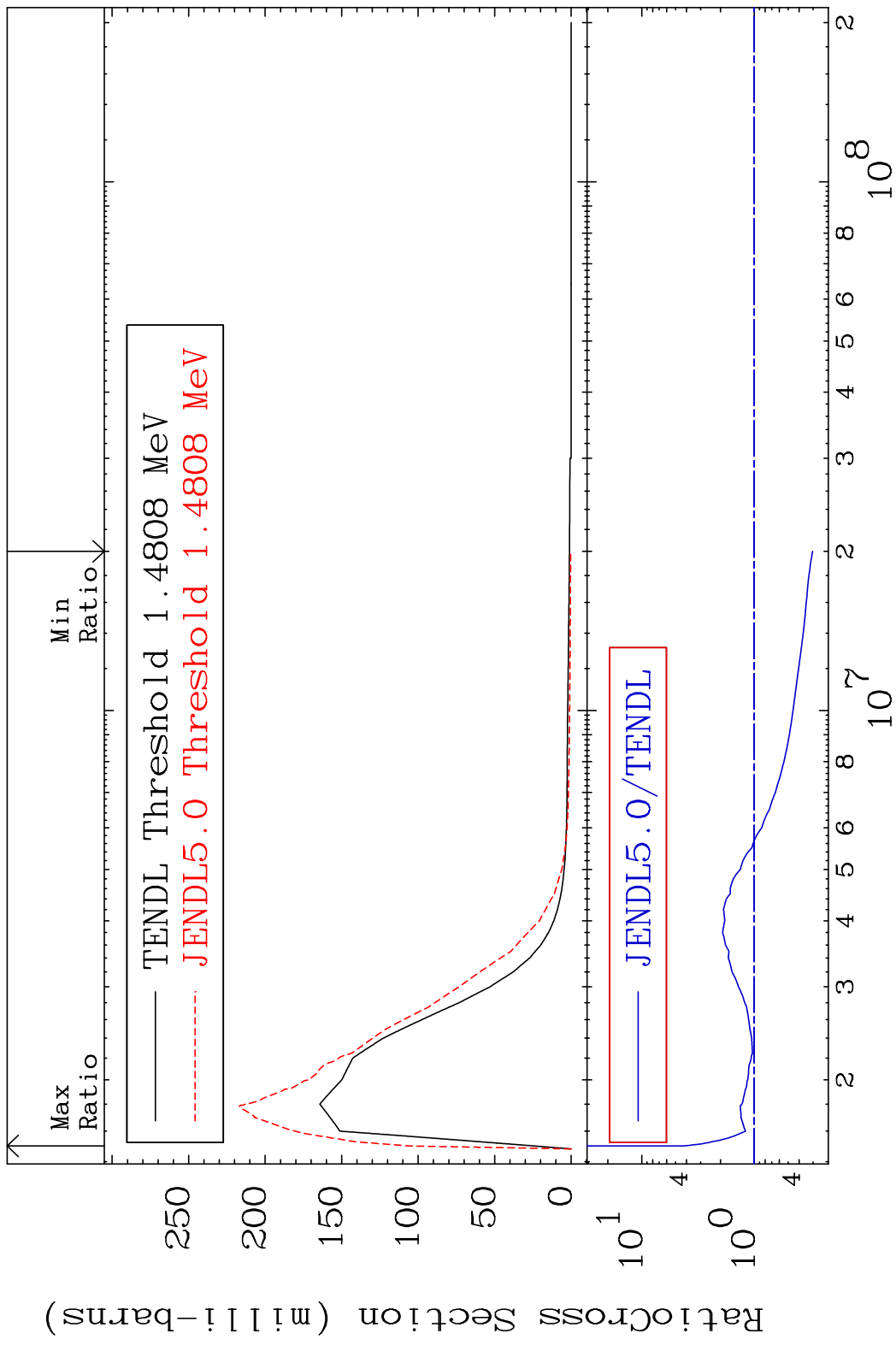
MAT 6037 MT= 55 (n, n') Level 60-Nd-146
 Cross Section -70.56 To 92.63 %



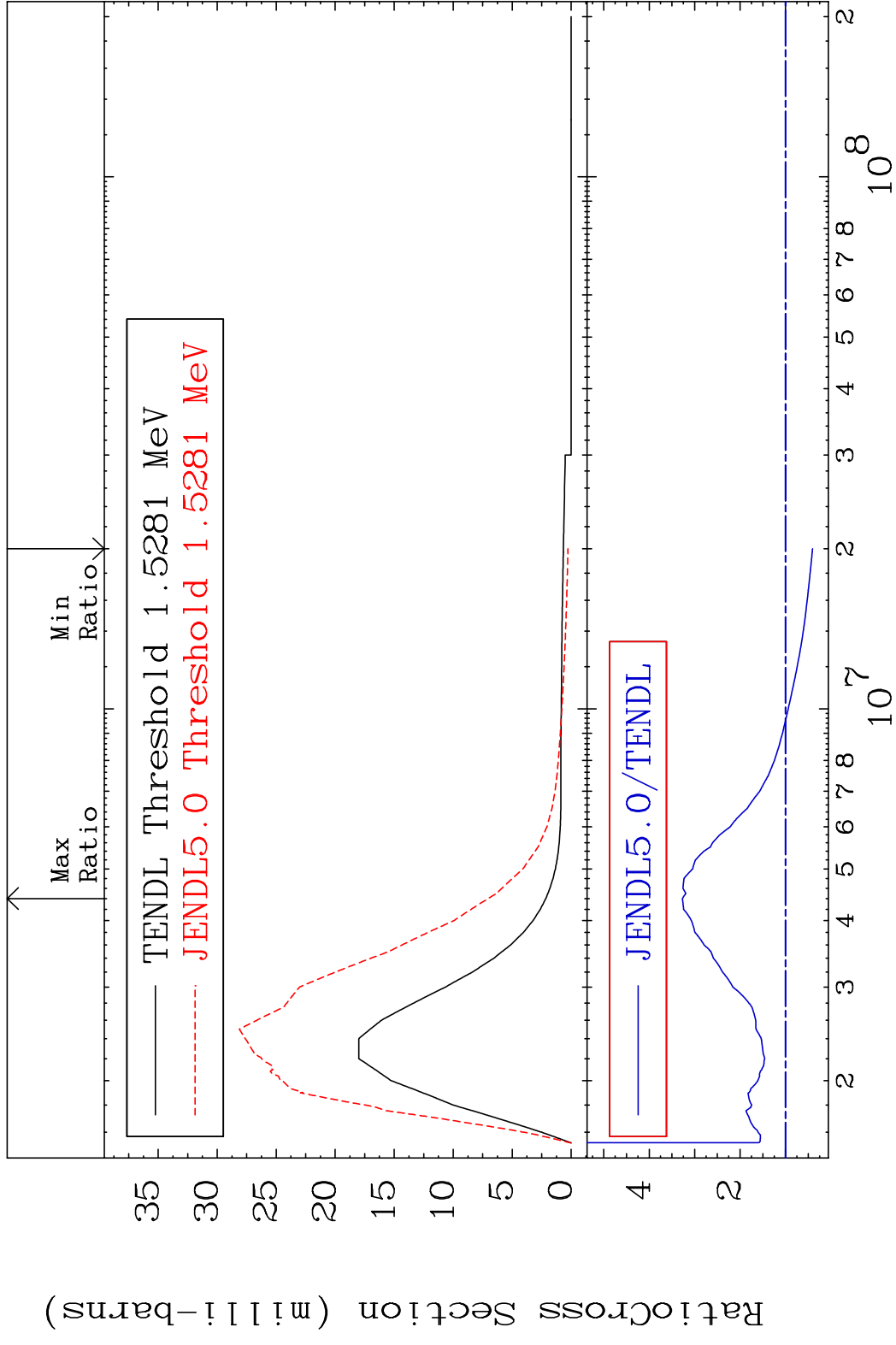
MAT 6037 MT= 56 (n,n') Level 60-Nd-146
 Cross Section -100.0 To 276.2 %



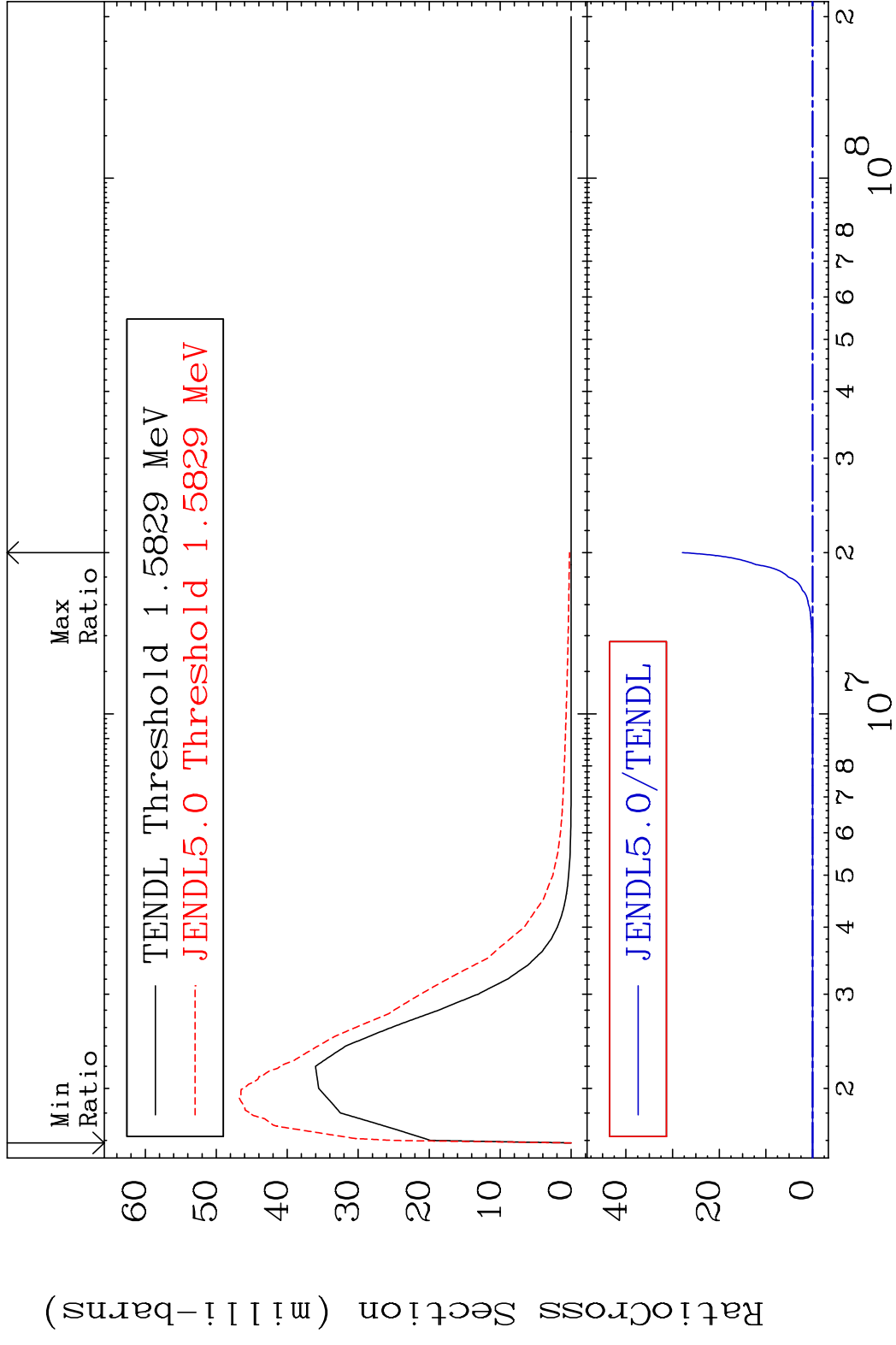
MAT 6037 MT= 57 (n,n') Level 60-Nd-146
 Cross Section -69.65 To 336.0 %



MAT 6037 MT= 58 (n,n') Level 60-Nd-146
 Cross Section -59.44 To 227.1 %

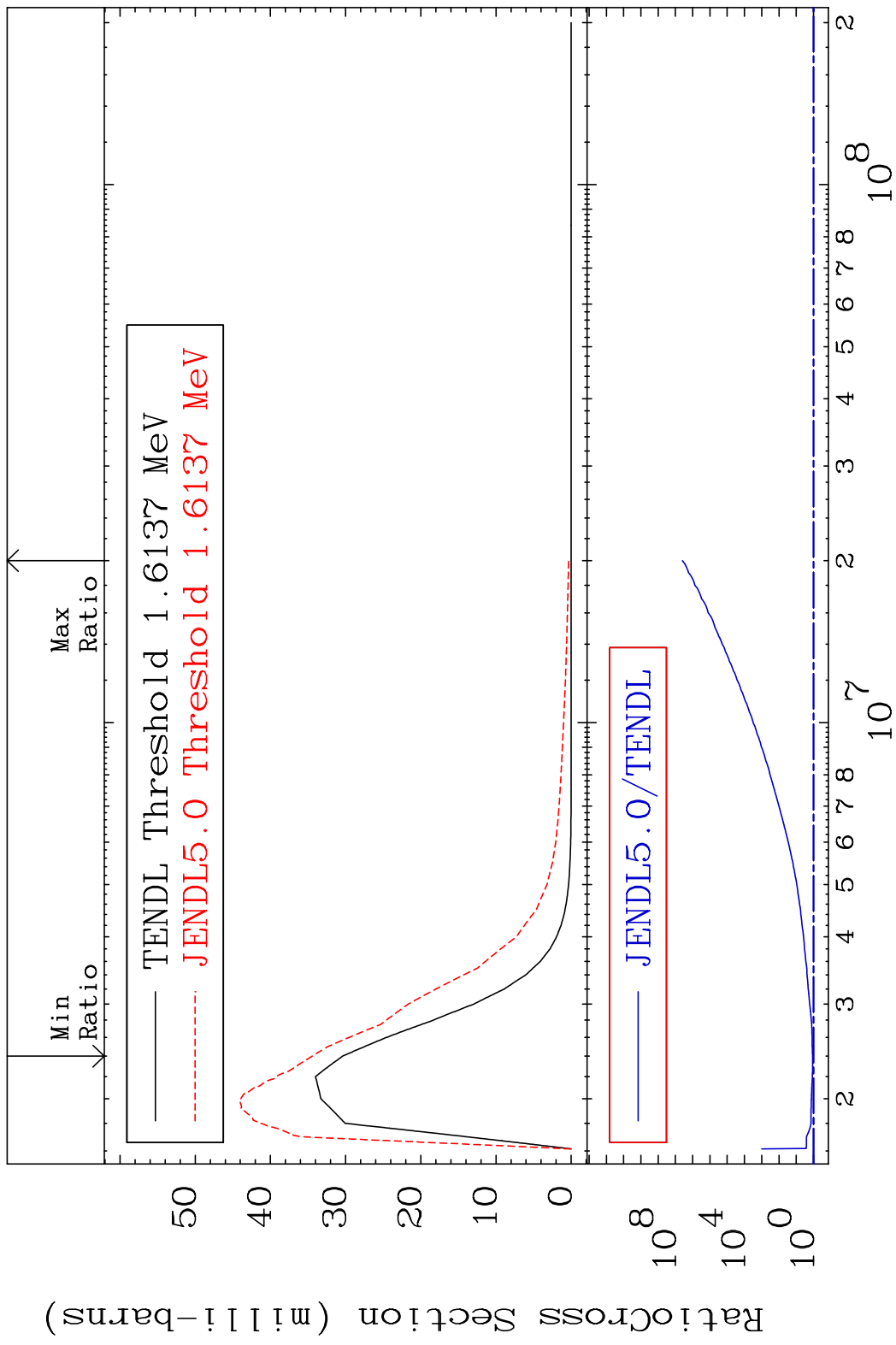


MAT 6037 MT= 59 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 9999. %

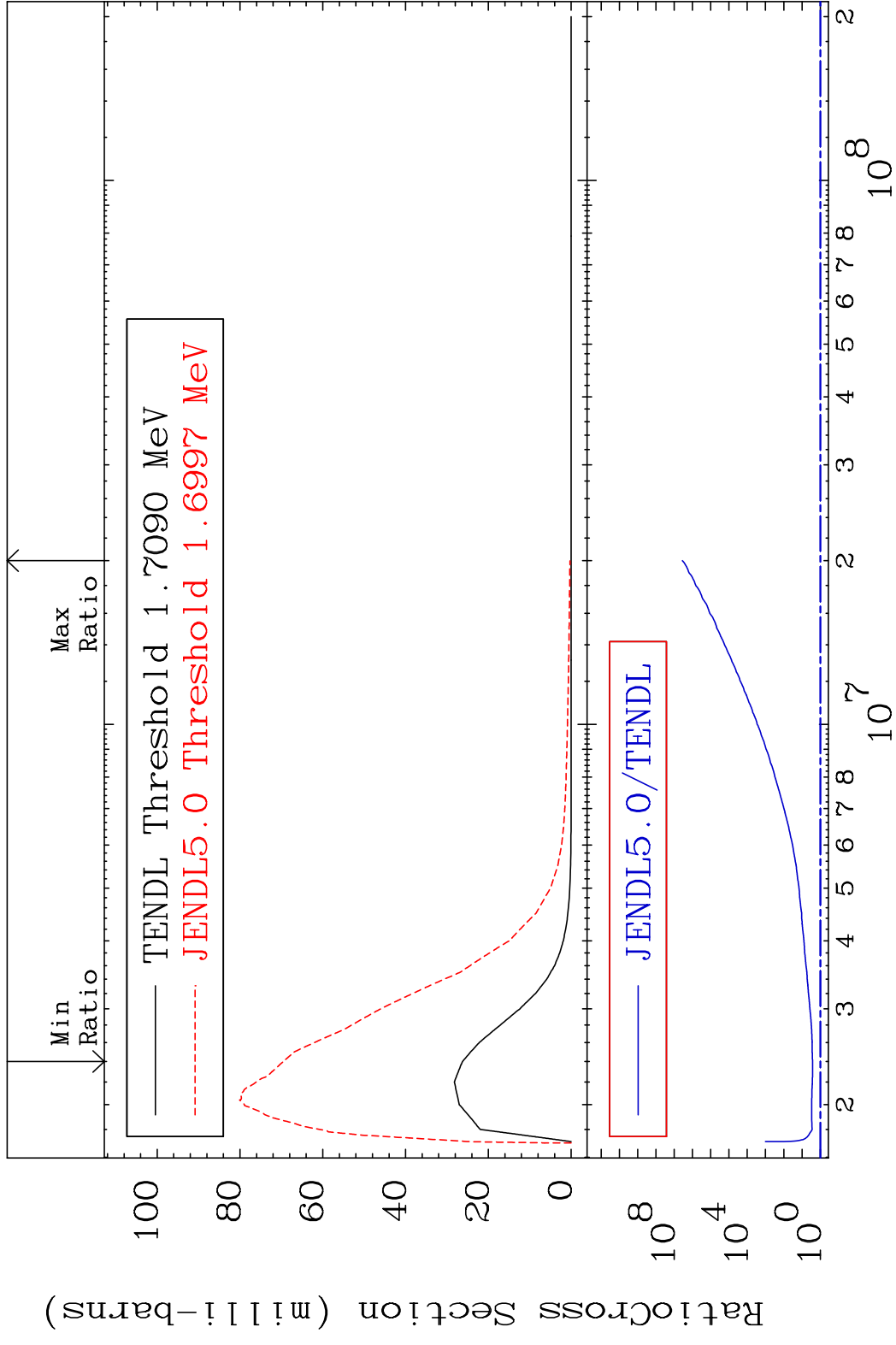


20 Incident Energy (eV) 60-Nd-146

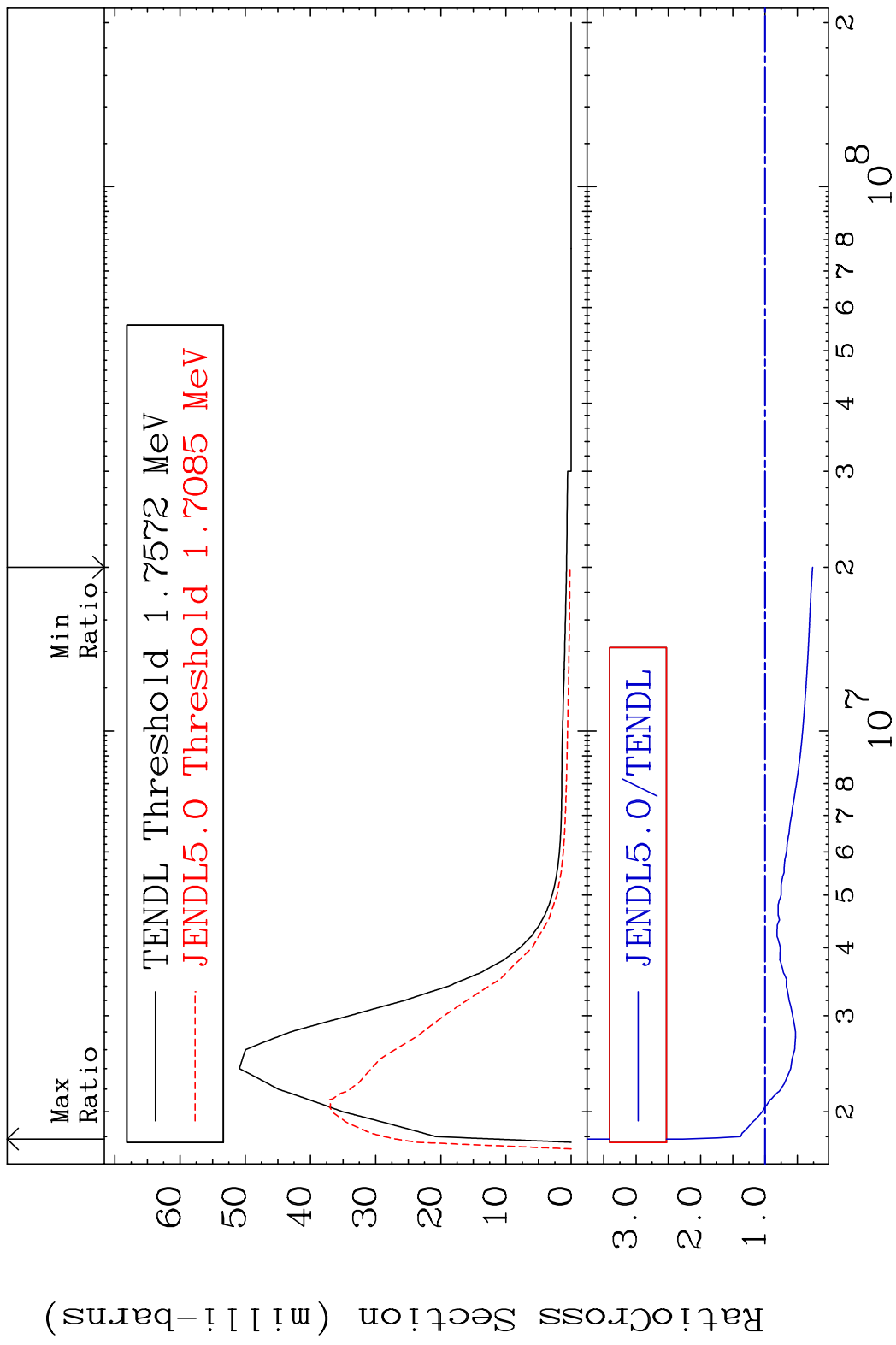
MAT 6037 MT= 60 (n,n') Level 60-Nd-146
 Cross Section 13.32 To 9999. %



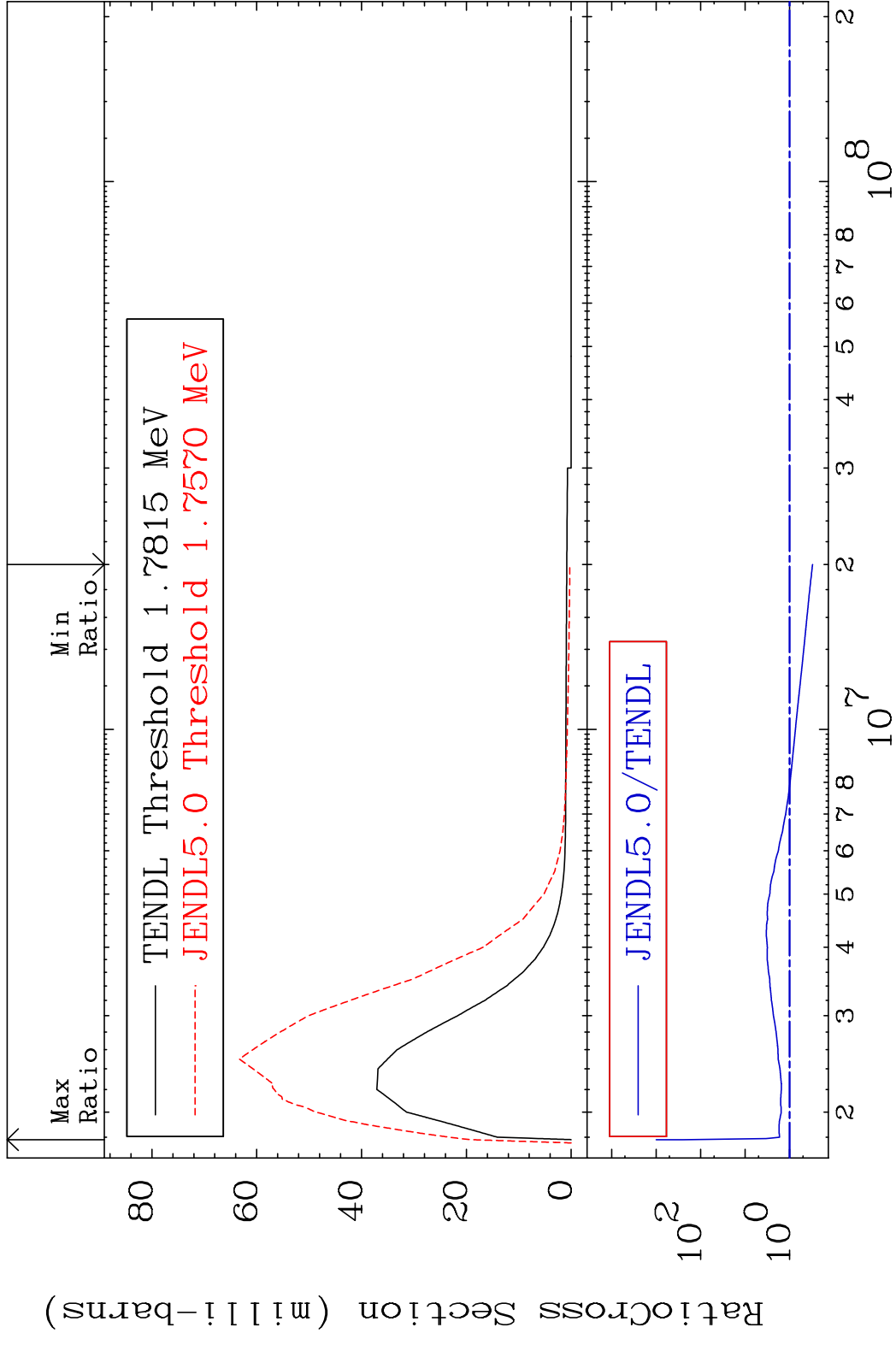
MAT 6037 MT= 61 (n, n') Level 60-Nd-146
 Cross Section 164.7 To 9999. %



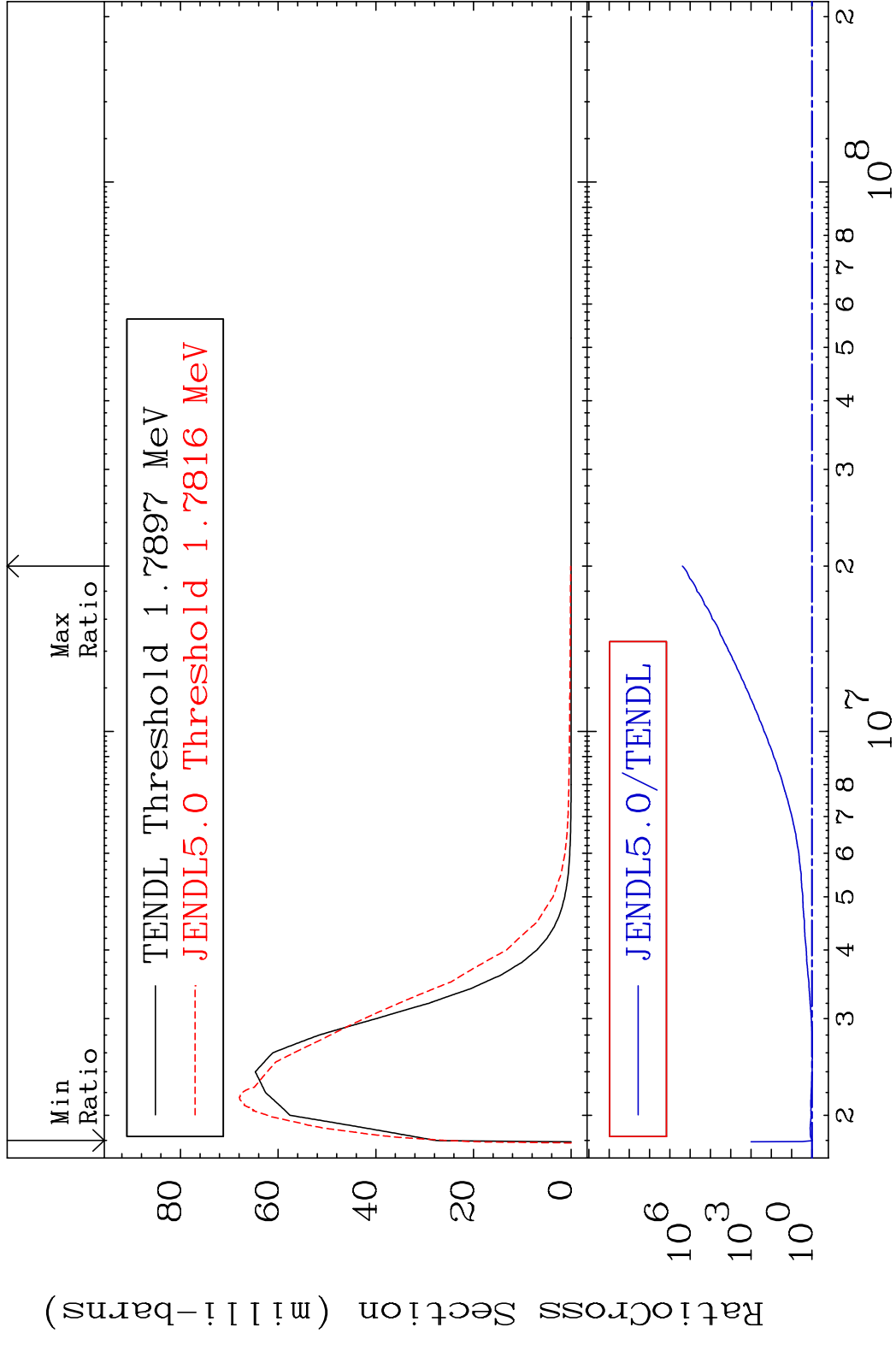
MAT 6037 MT= 62 (n, n') Level 60-Nd-146
 Cross Section -73.66 To 128.2 %



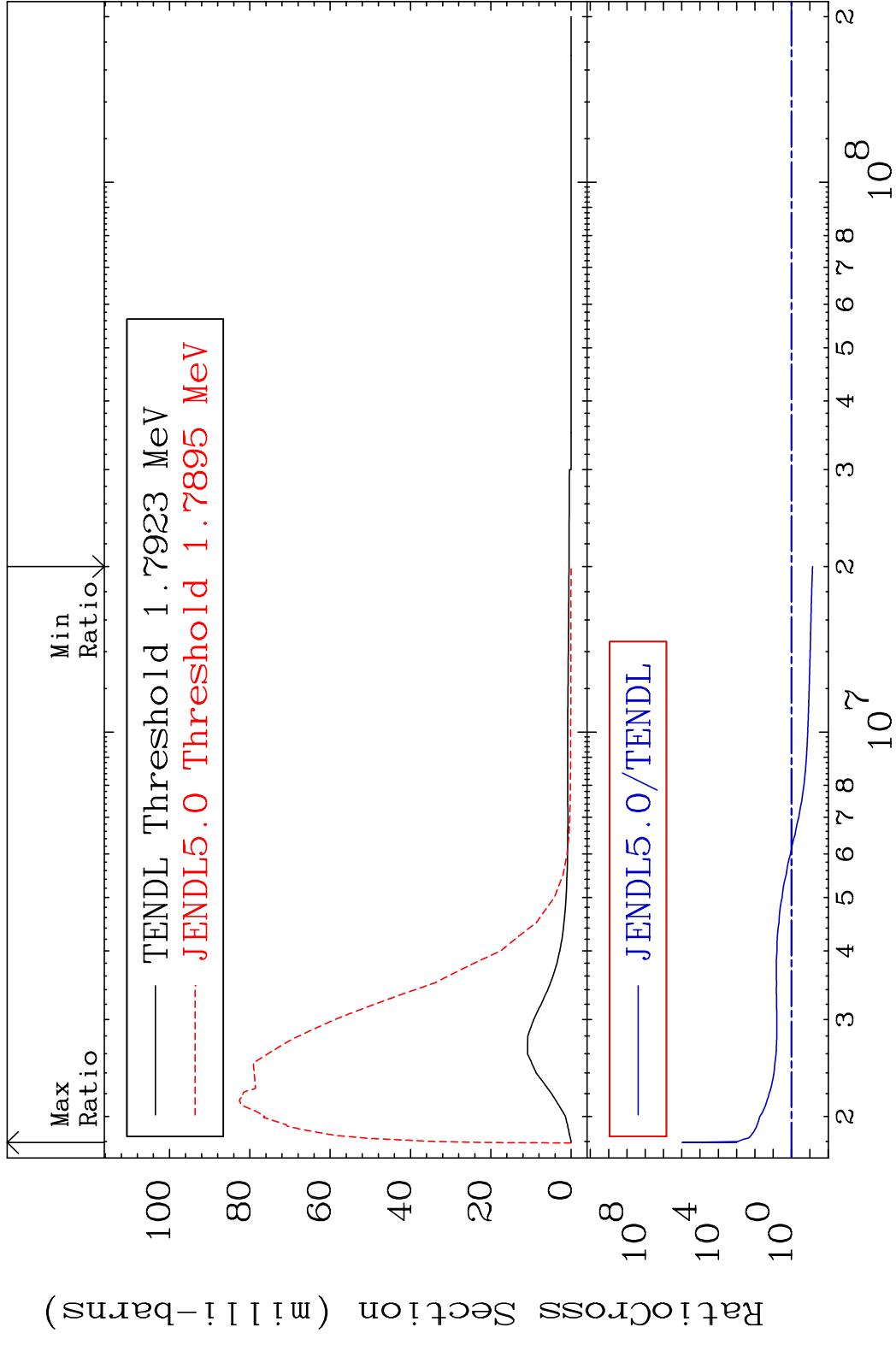
MAT 6037 MT= 63 (n, n') Level 60-Nd-146
 Cross Section -69.48 To 9999. %



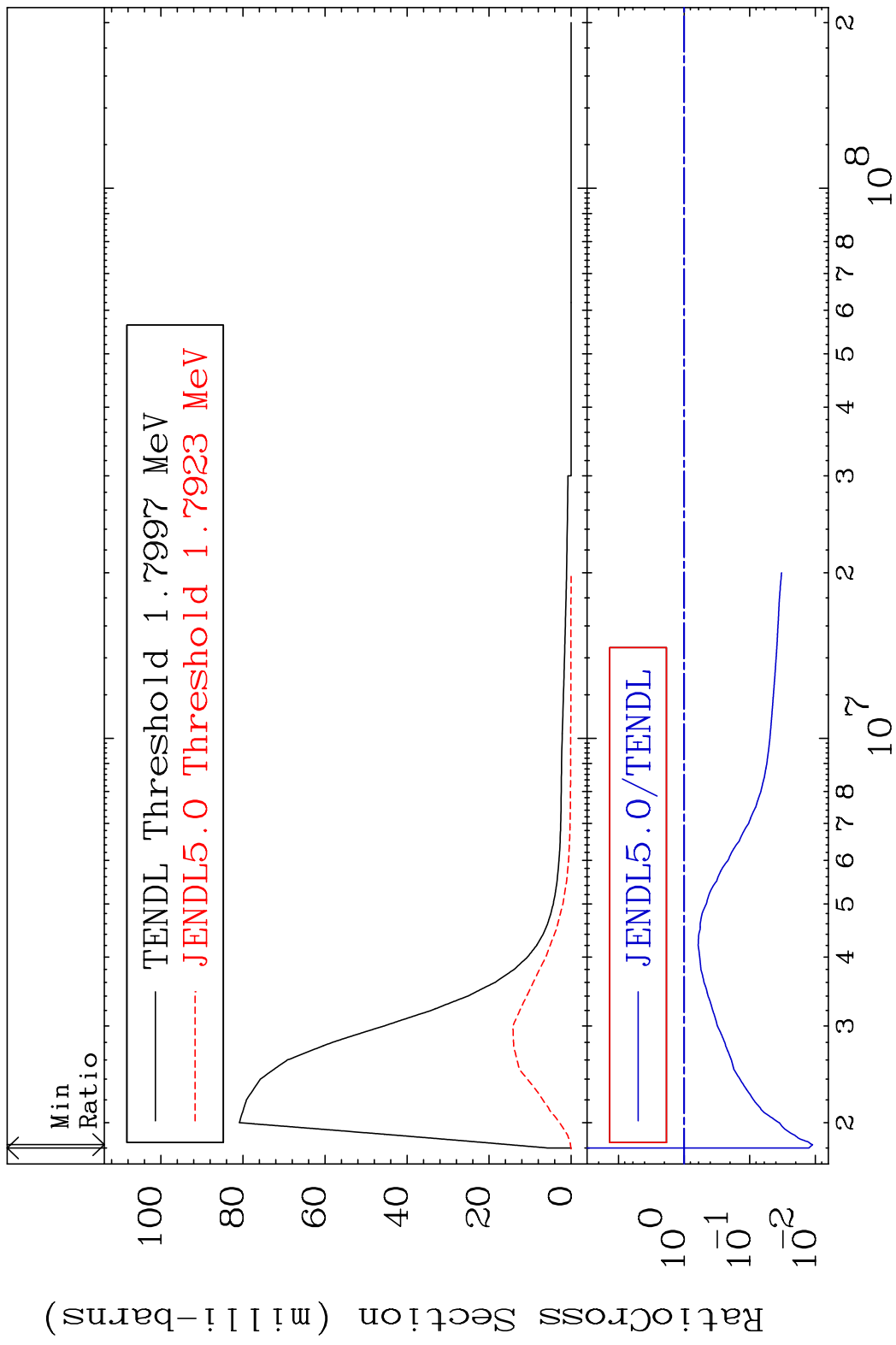
MAT 6037 MT= 64 (n, n') Level 60-Nd-146
 Cross Section -7.914 To 9999. %



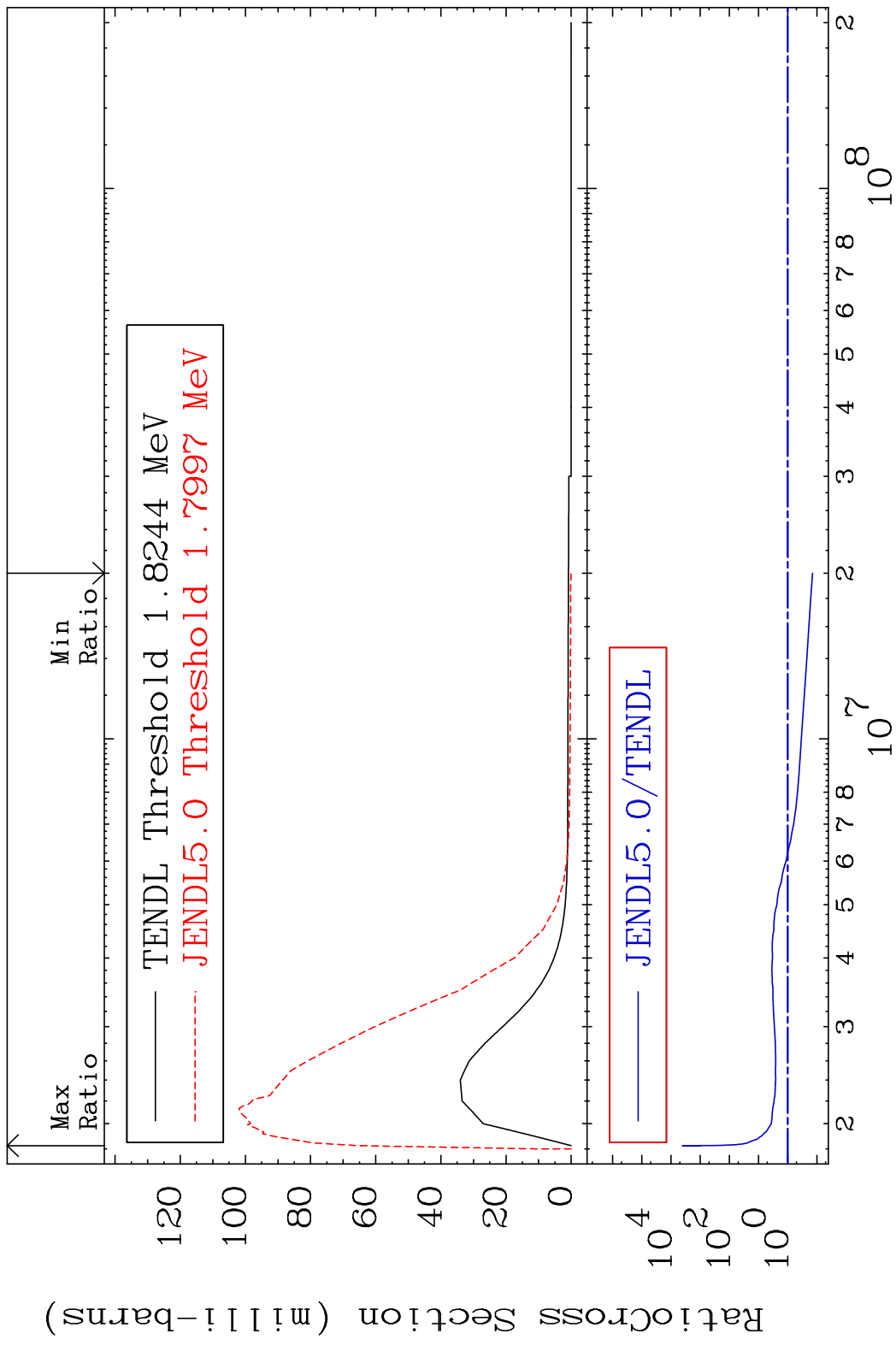
MAT 6037 MT= 65 (n, n') Level 60-Nd-146
 Cross Section -92.96 To 9999. %



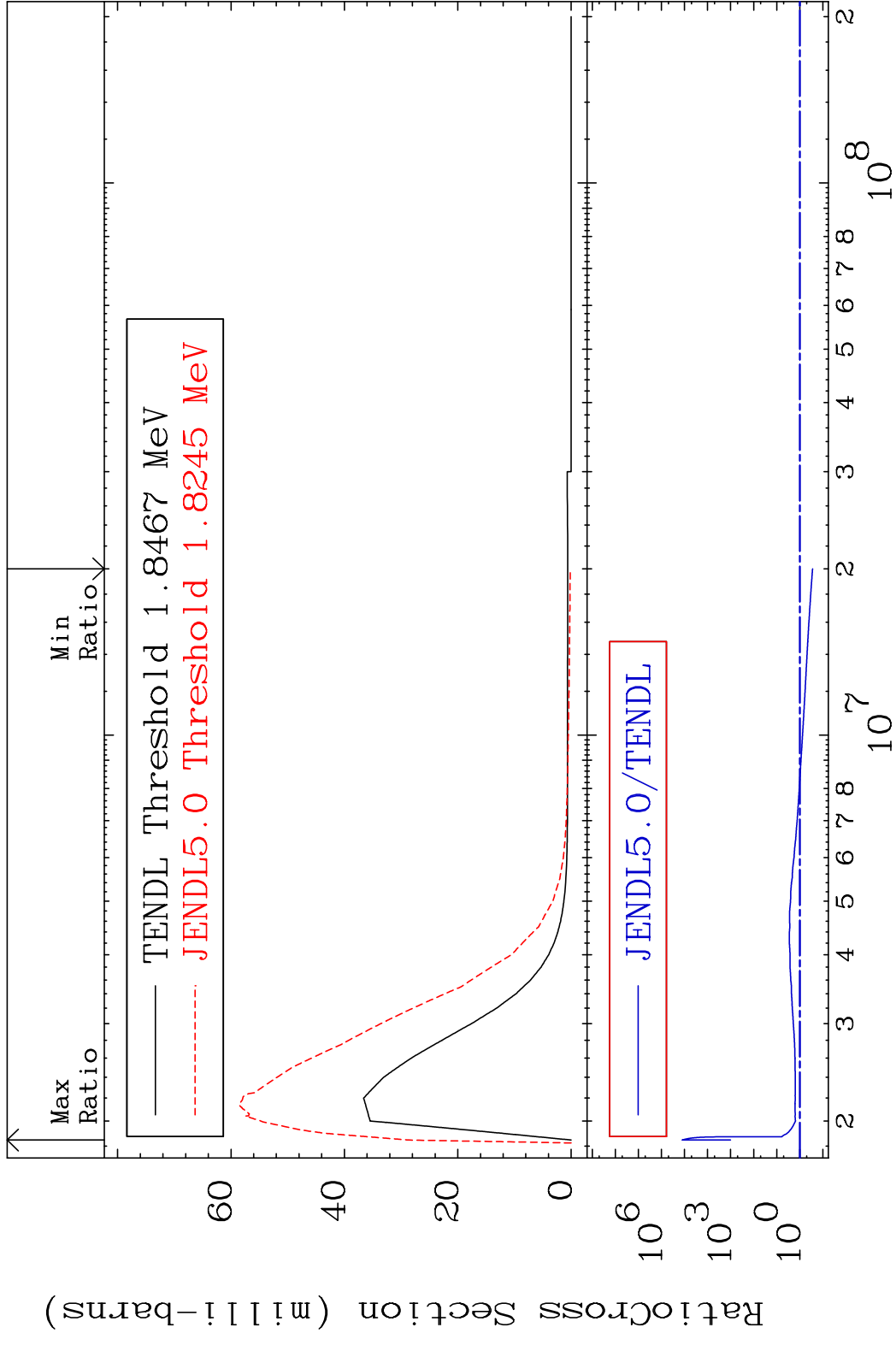
MAT 6037 MT= 66 (n,n') Level 60-Nd-146
 Cross Section -98.89 To 6.321 %



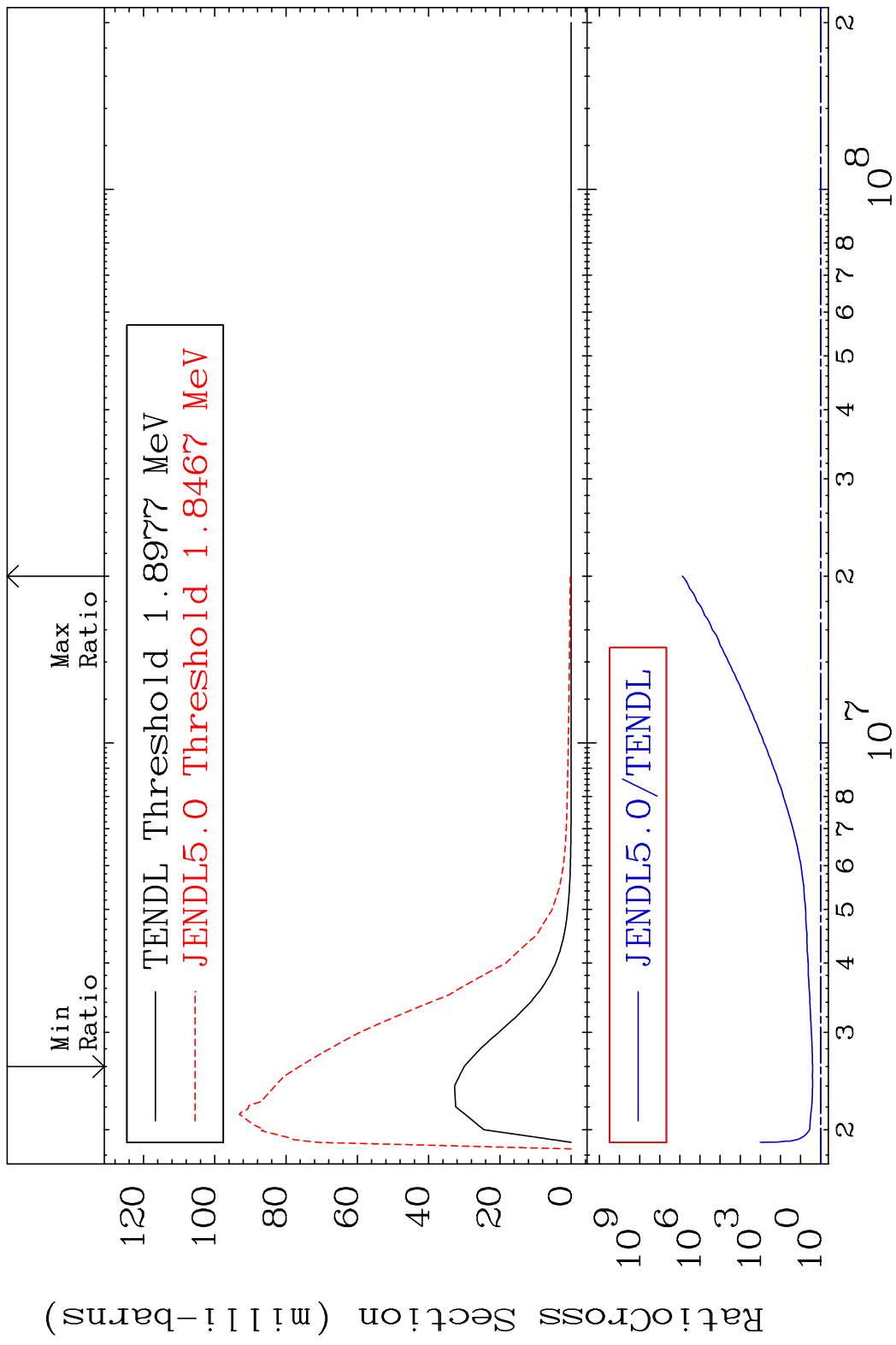
MAT 6037 MT= 67 (n, n') Level 60-Nd-146
 Cross Section -85.94 To 9999. %



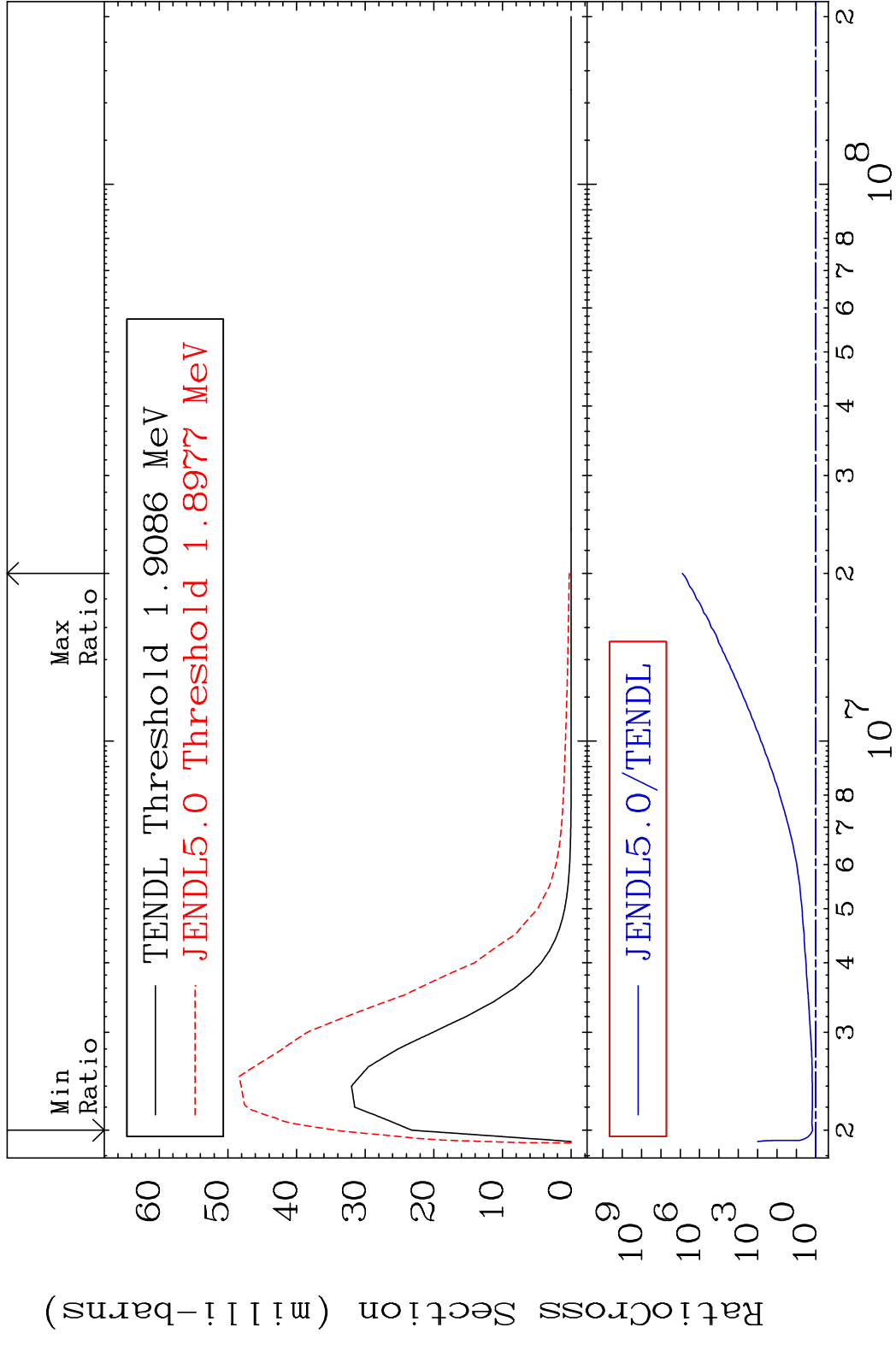
MAT 6037 MT= 68 (n, n') Level 60-Nd-146
 Cross Section -71.98 To 9999. %



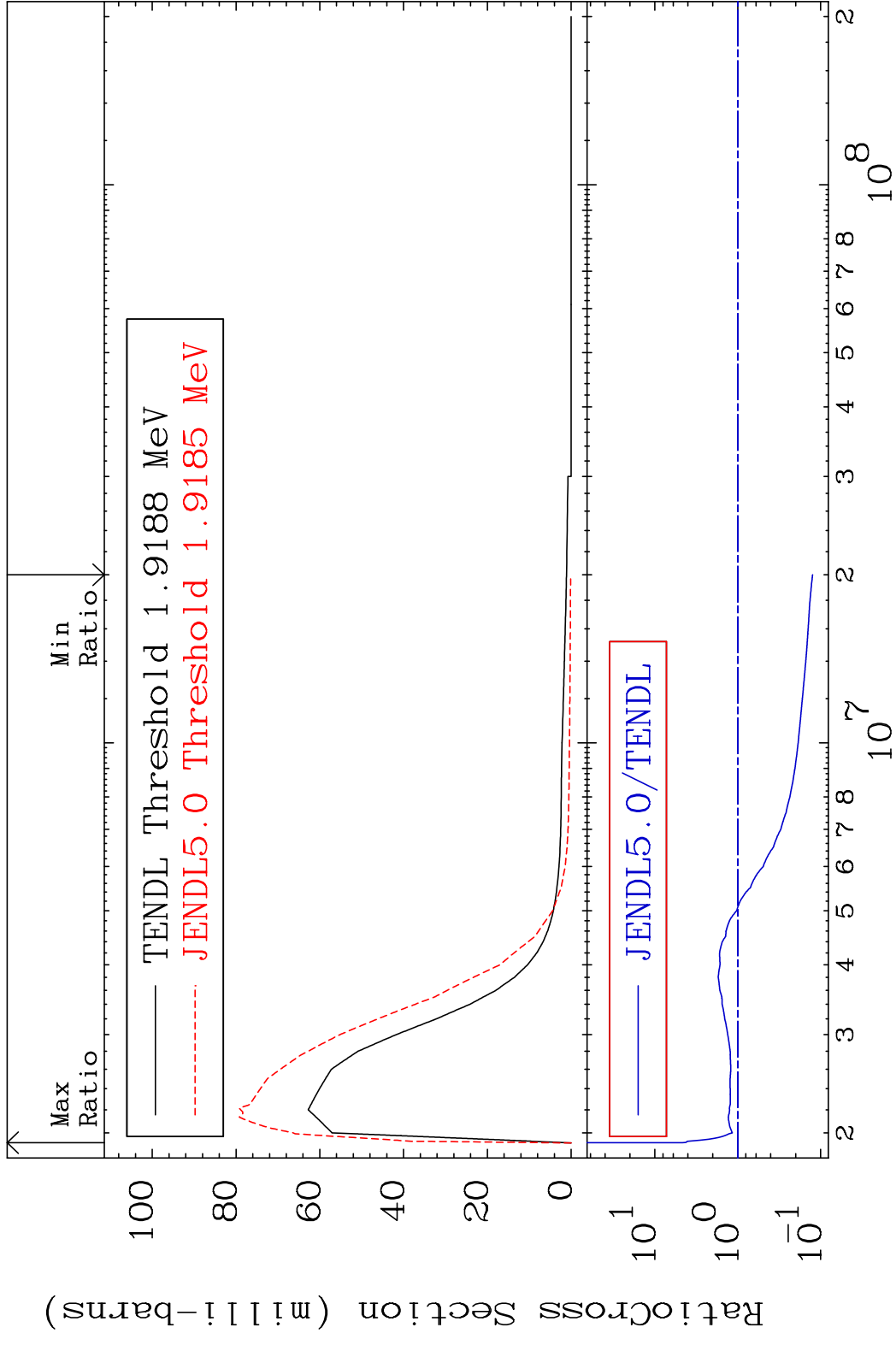
MAT 6037 MT= 69 (n, n') Level 60-Nd-146
 Cross Section 153.9 To 9999. %



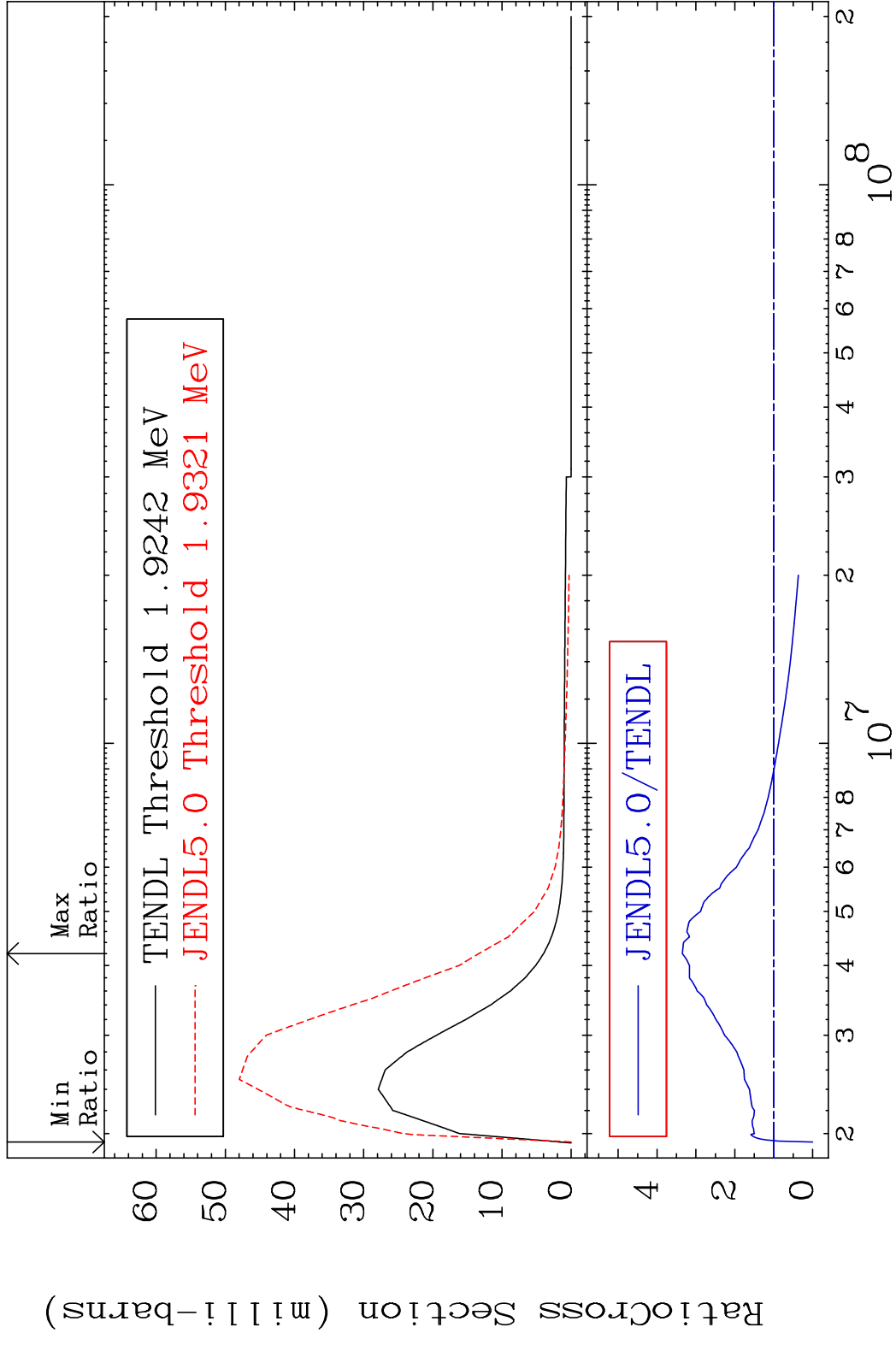
MAT 6037 MT= 70 (n, n') Level 60-Nd-146
 Cross Section 47.62 To 9999. %



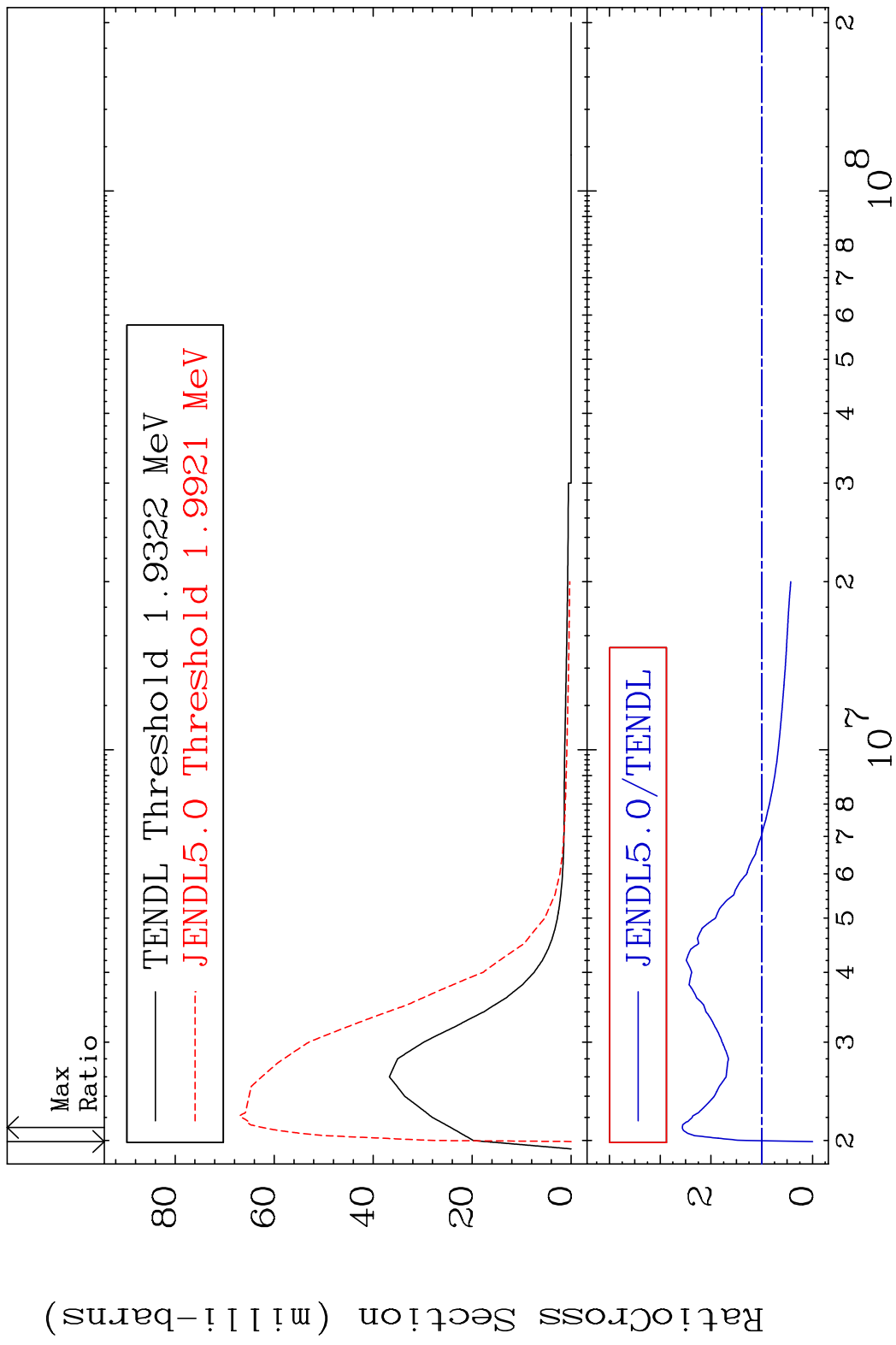
MAT 6037 MT= 71 (n, n') Level 60-Nd-146
 Cross Section -87.48 To 366.1 %



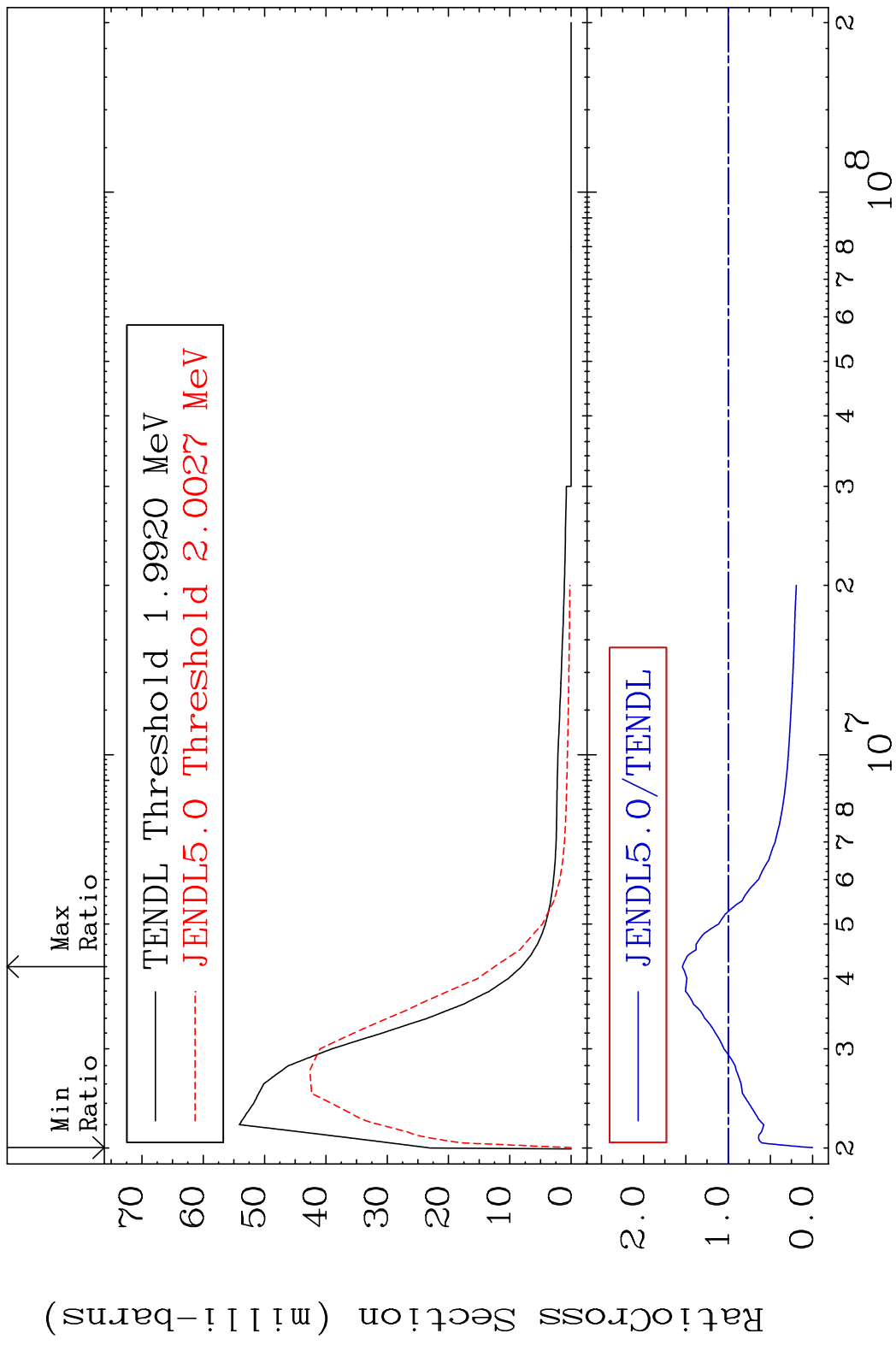
MAT 6037 MT= 72 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 234.9 %



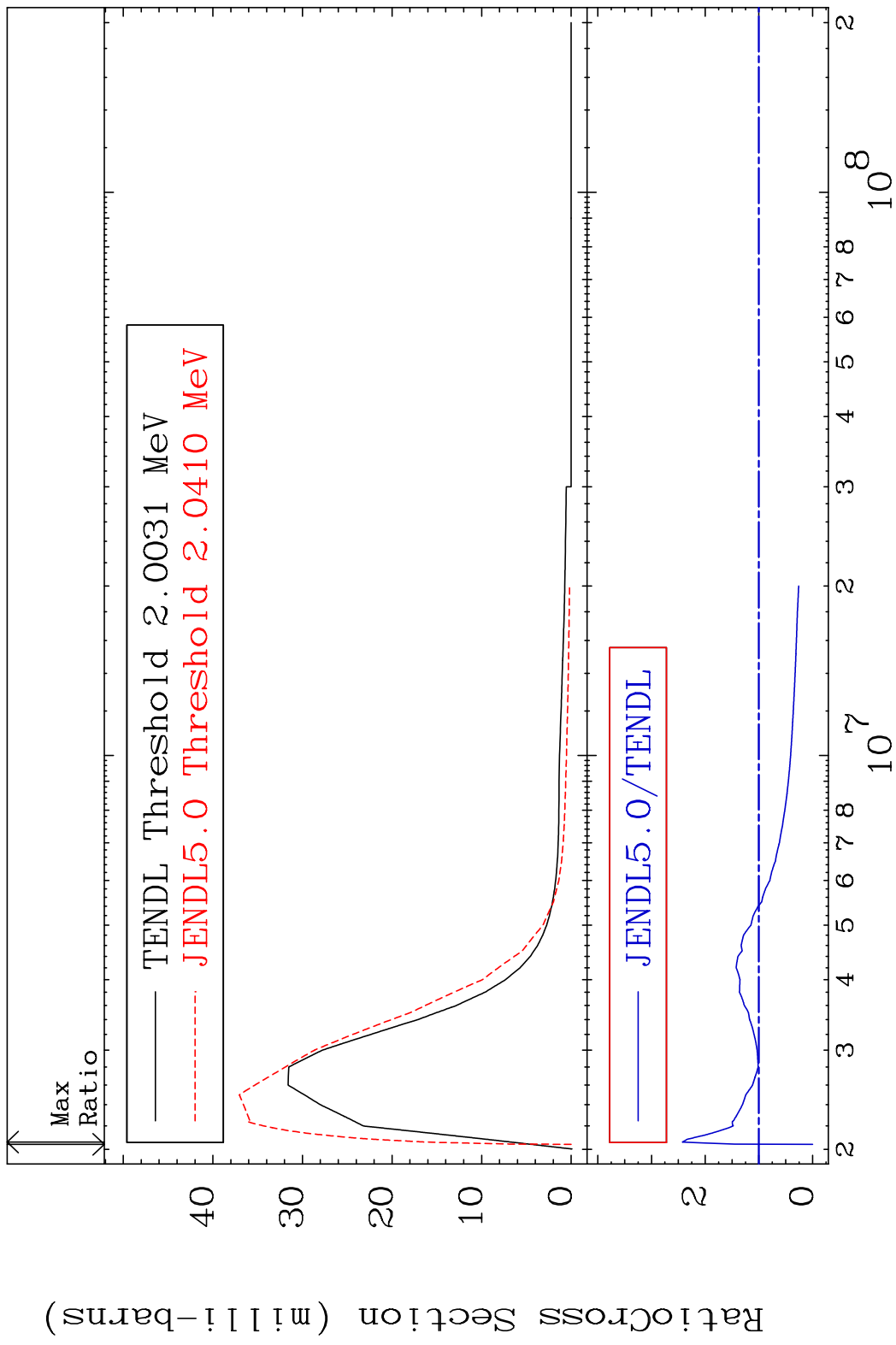
MAT 6037 MT= 73 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 156.4 %



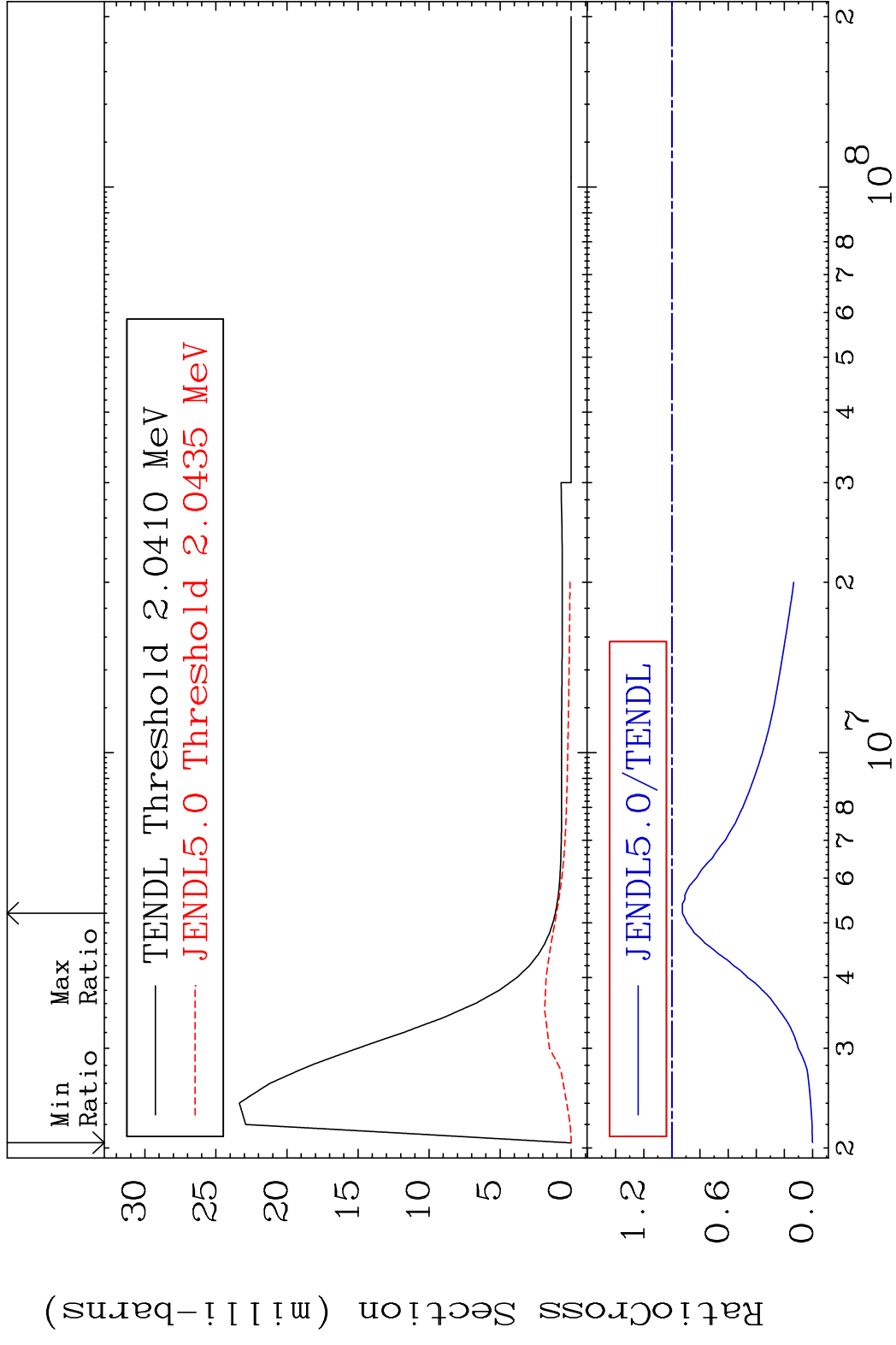
MAT 6037 MT= 74 (n,n') Level 60-Nd-146
 Cross Section -100.0 To 54.23 %



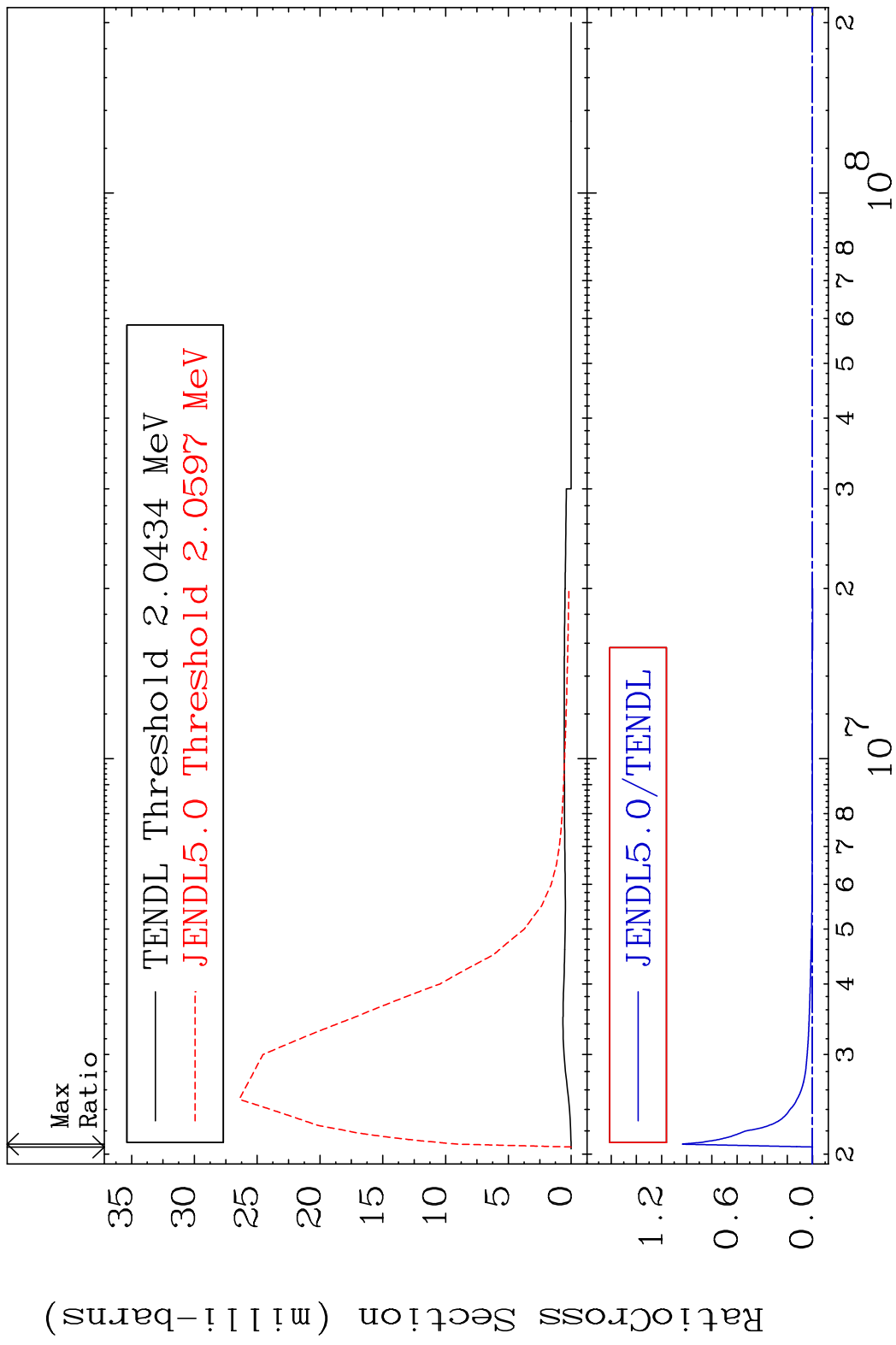
MAT 6037 MT= 75 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 142.5 %



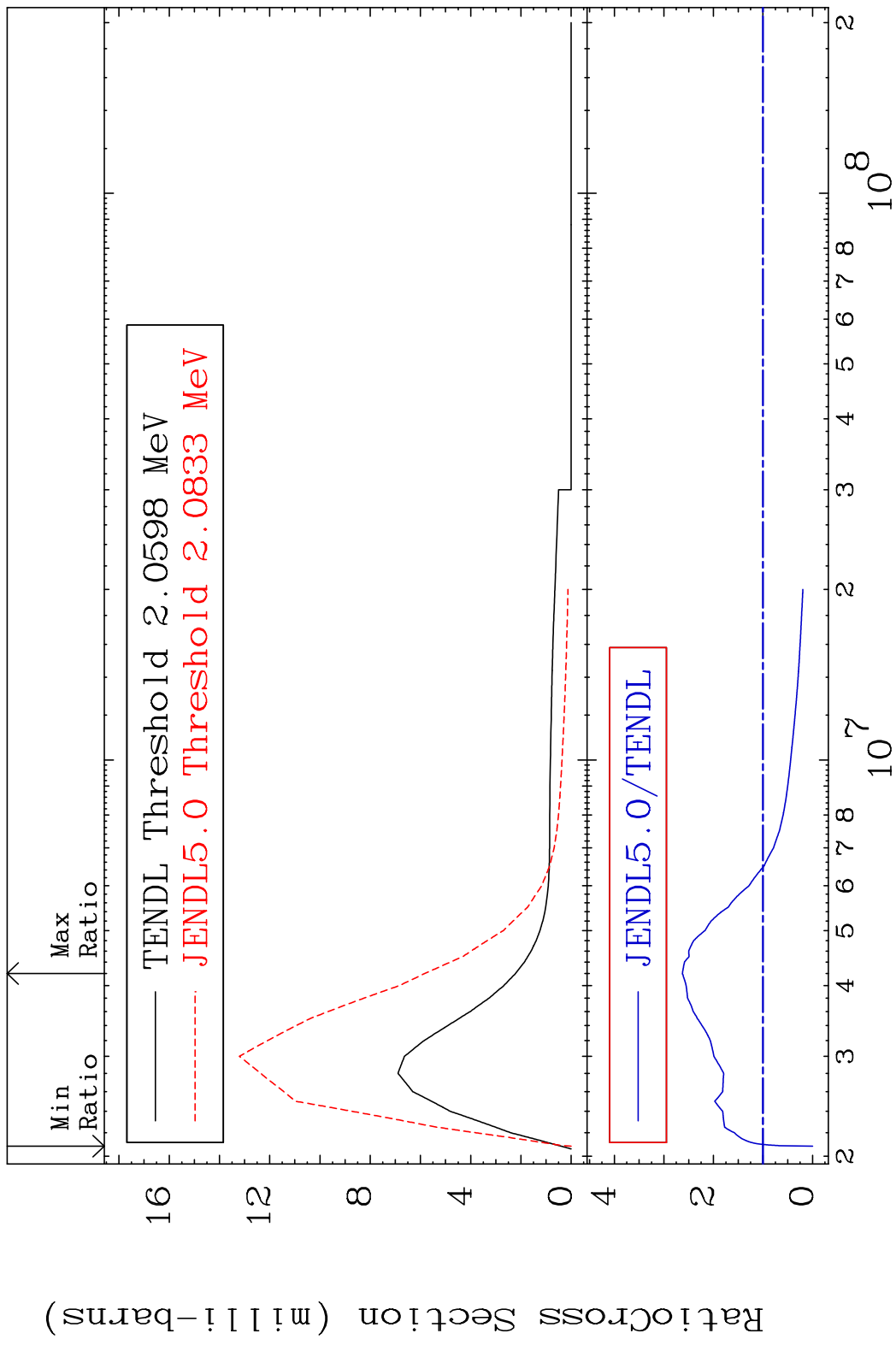
MAT 6037 MT= 76 (n,n') Level 60-Nd-146
 Cross Section -100.0 To -7.427%



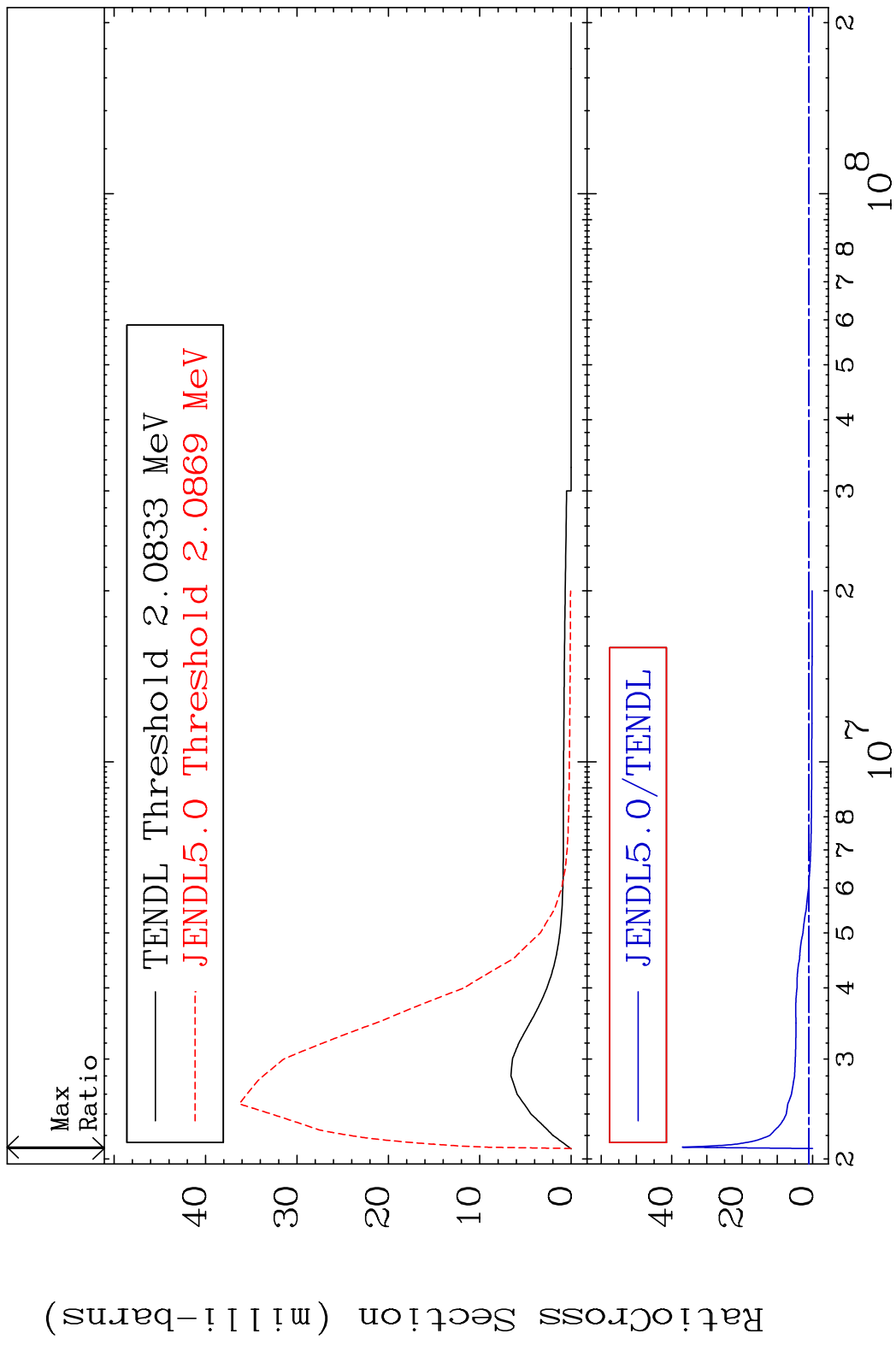
MAT 6037 MT= 77 (n,n') Level 60-Nd-146
 Cross Section -100.0 To 9999. %



MAT 6037 MT= 78 (n,n') Level 60-Nd-146
 Cross Section -100.0 To 162.8 %

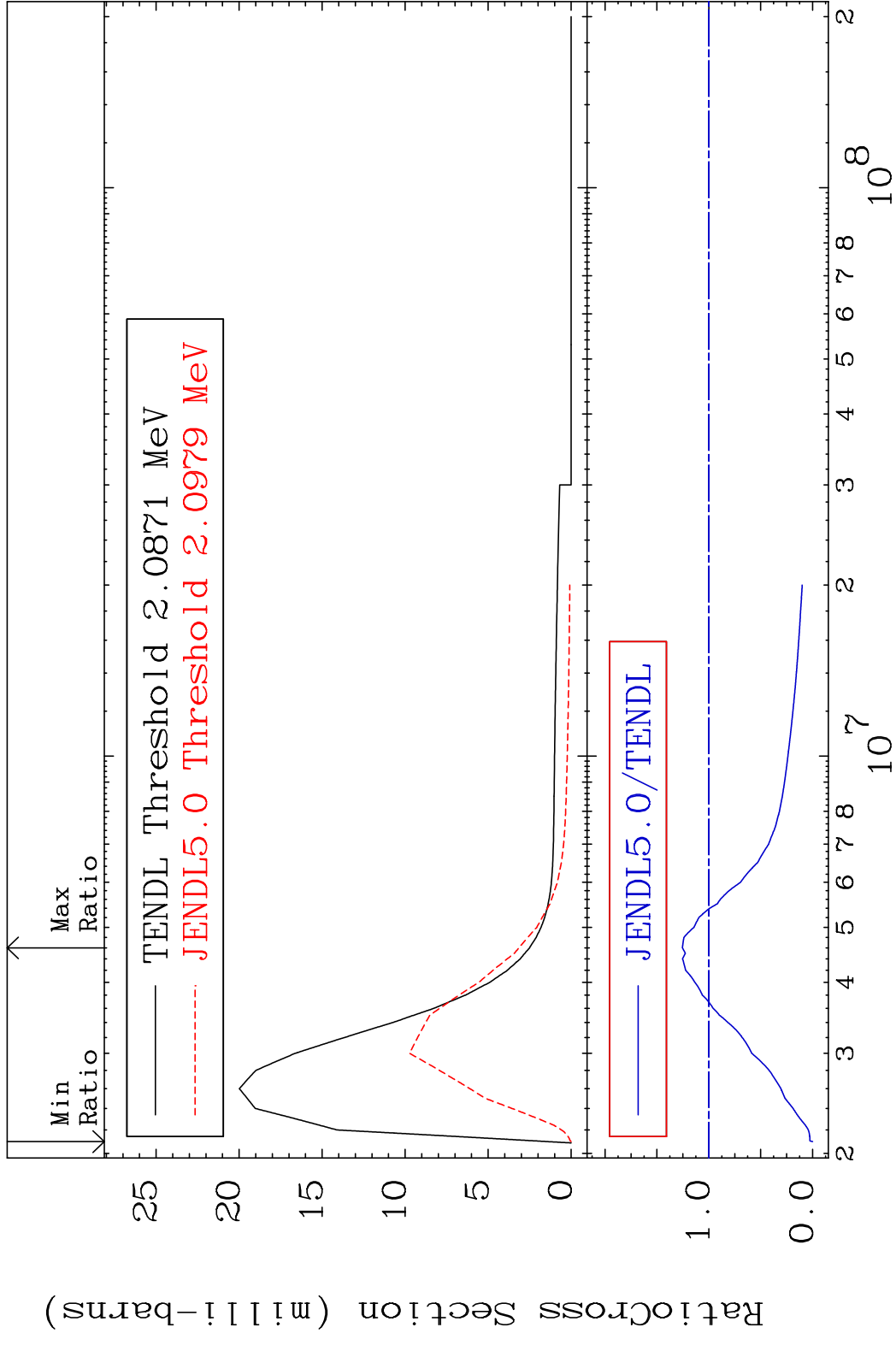


MAT 6037 MT= 79 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 3595. %



40 Incident Energy (eV) 60-Nd-146

MAT 6037 MT= 80 (n,n') Level 60-Nd-146
 Cross Section -100.0 To 25.50 %

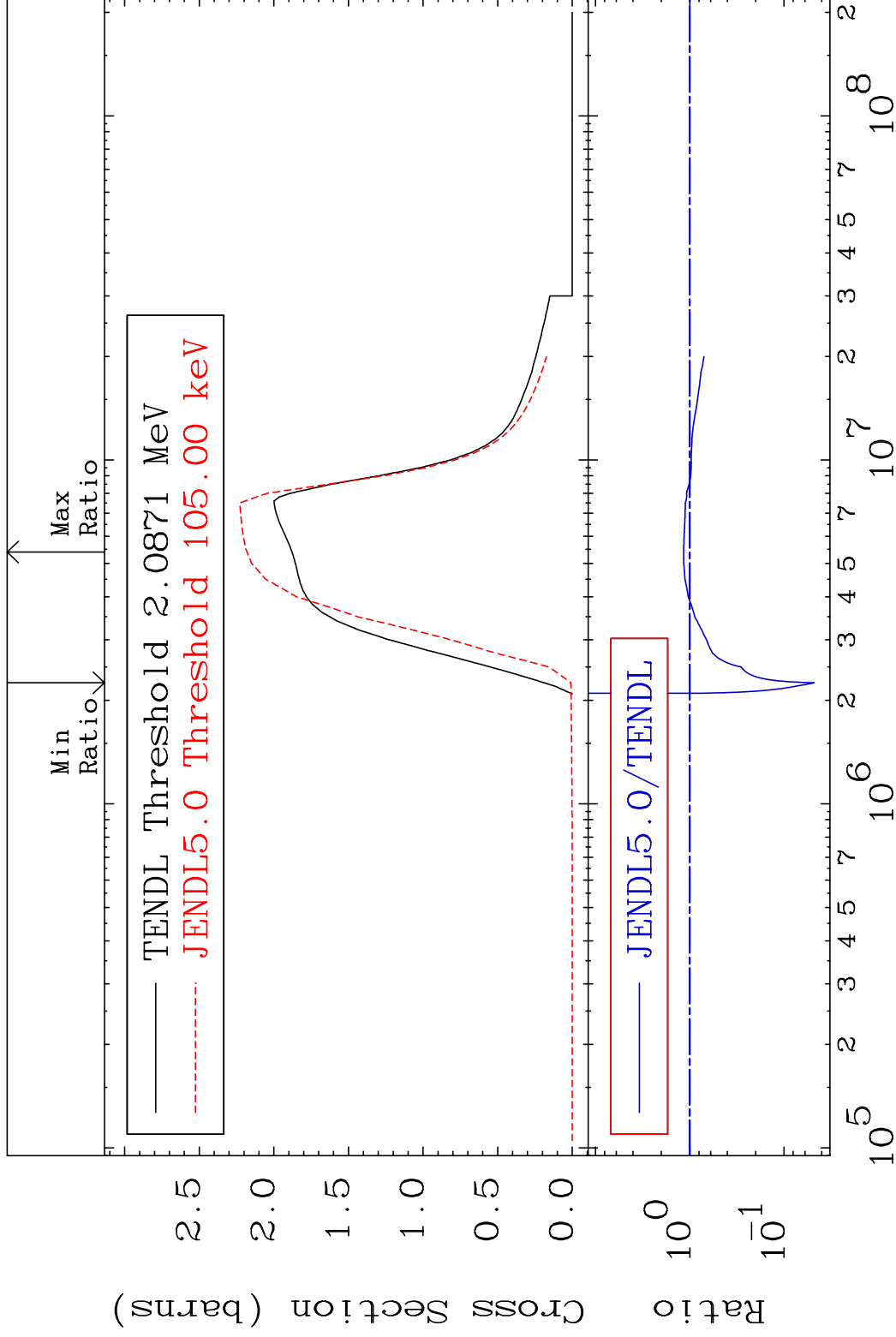


MAT 6037

(n, n') Continuum

60-Nd-146

Cross Section -95.19 To 16.03 %



42

Incident Energy (eV)

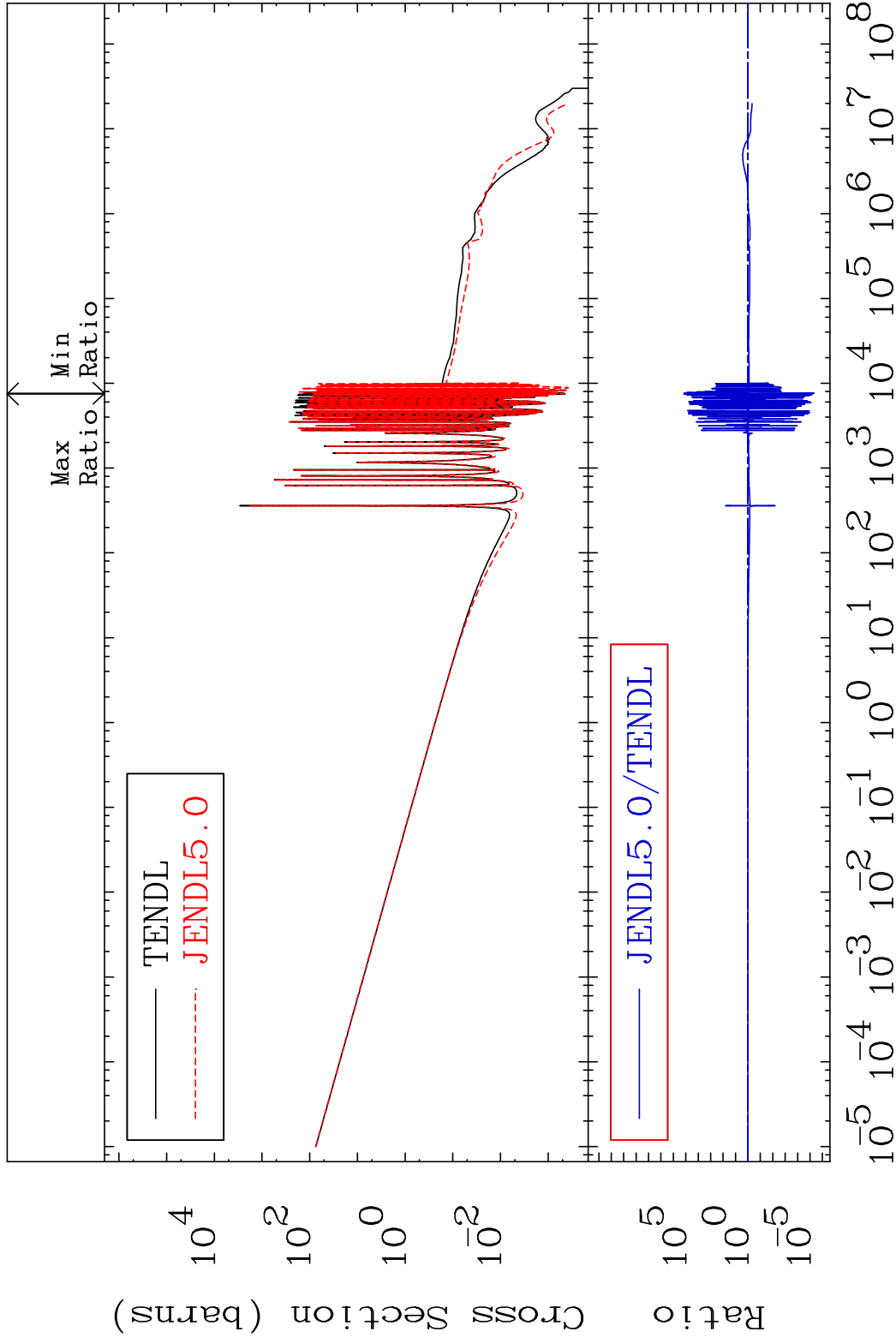
60-Nd-146

MAT 6037

(n, γ)

60-Nd-146

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

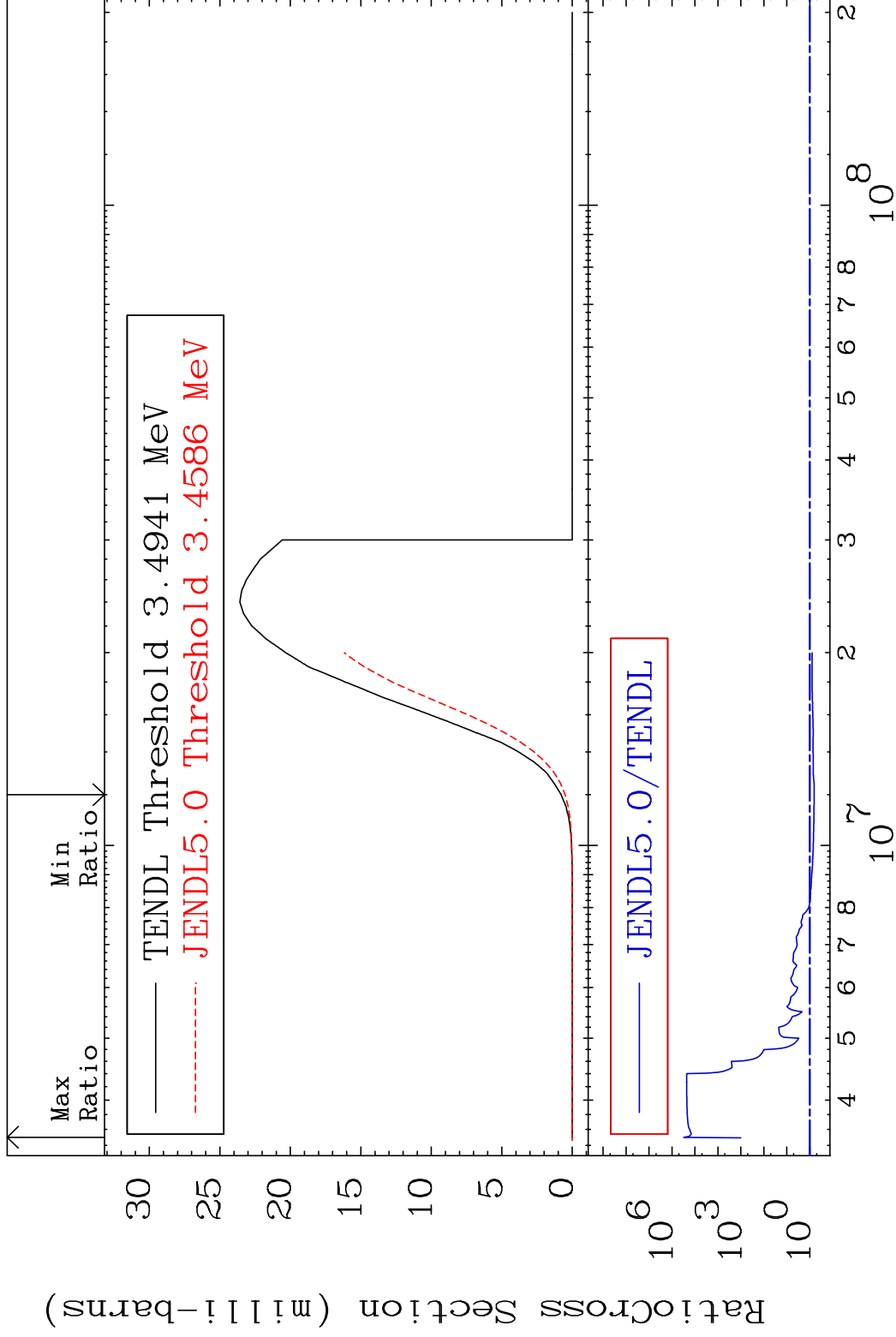
60-Nd-146

MAT 6037

(n,p)

60-Nd-146

Cross Section -35.55 To 9999. %



44

Incident Energy (eV)

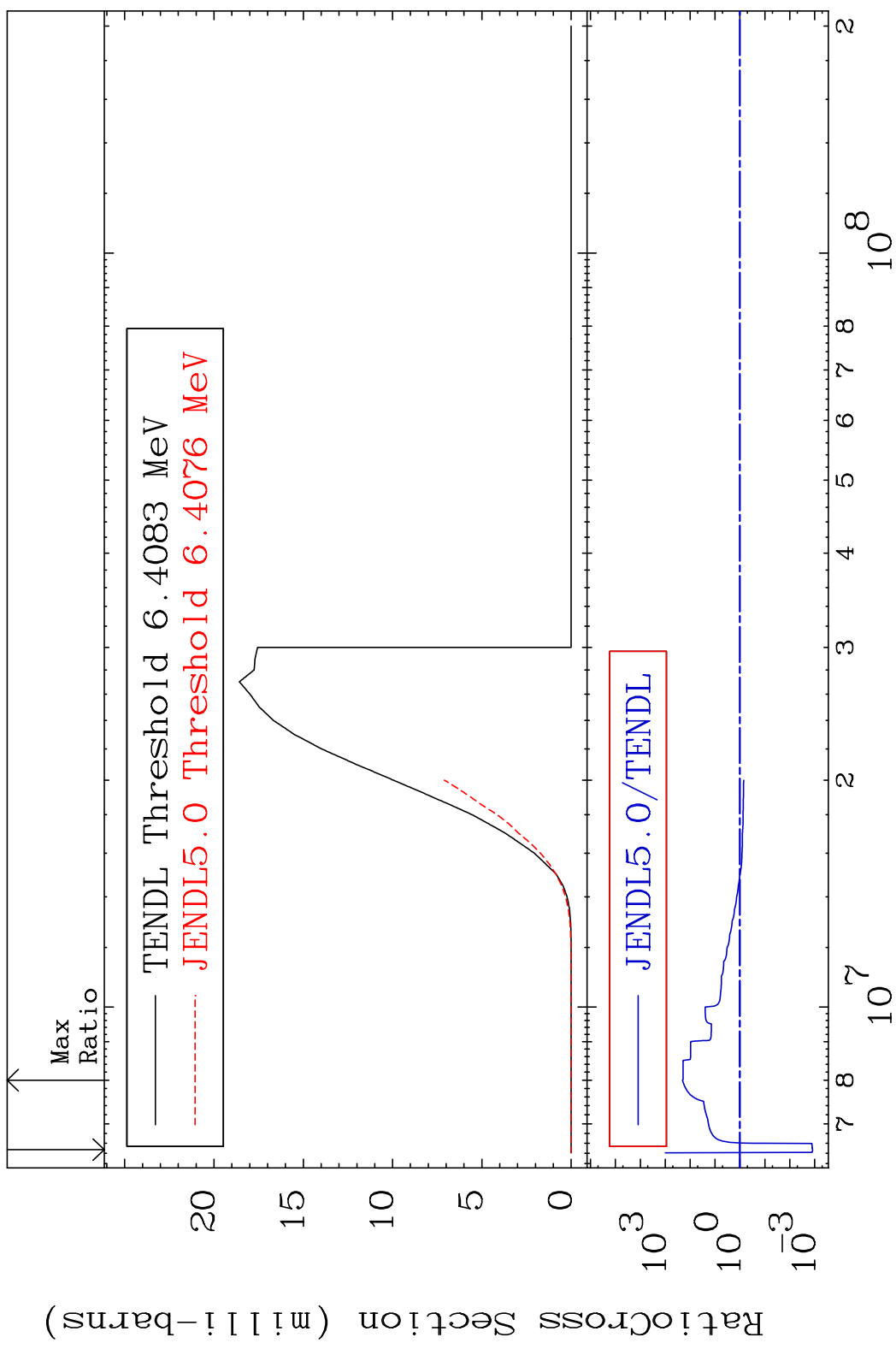
60-Nd-146

MAT 6037

(n,d)

60-Nd-146

Cross Section -99.88 To 9999. %

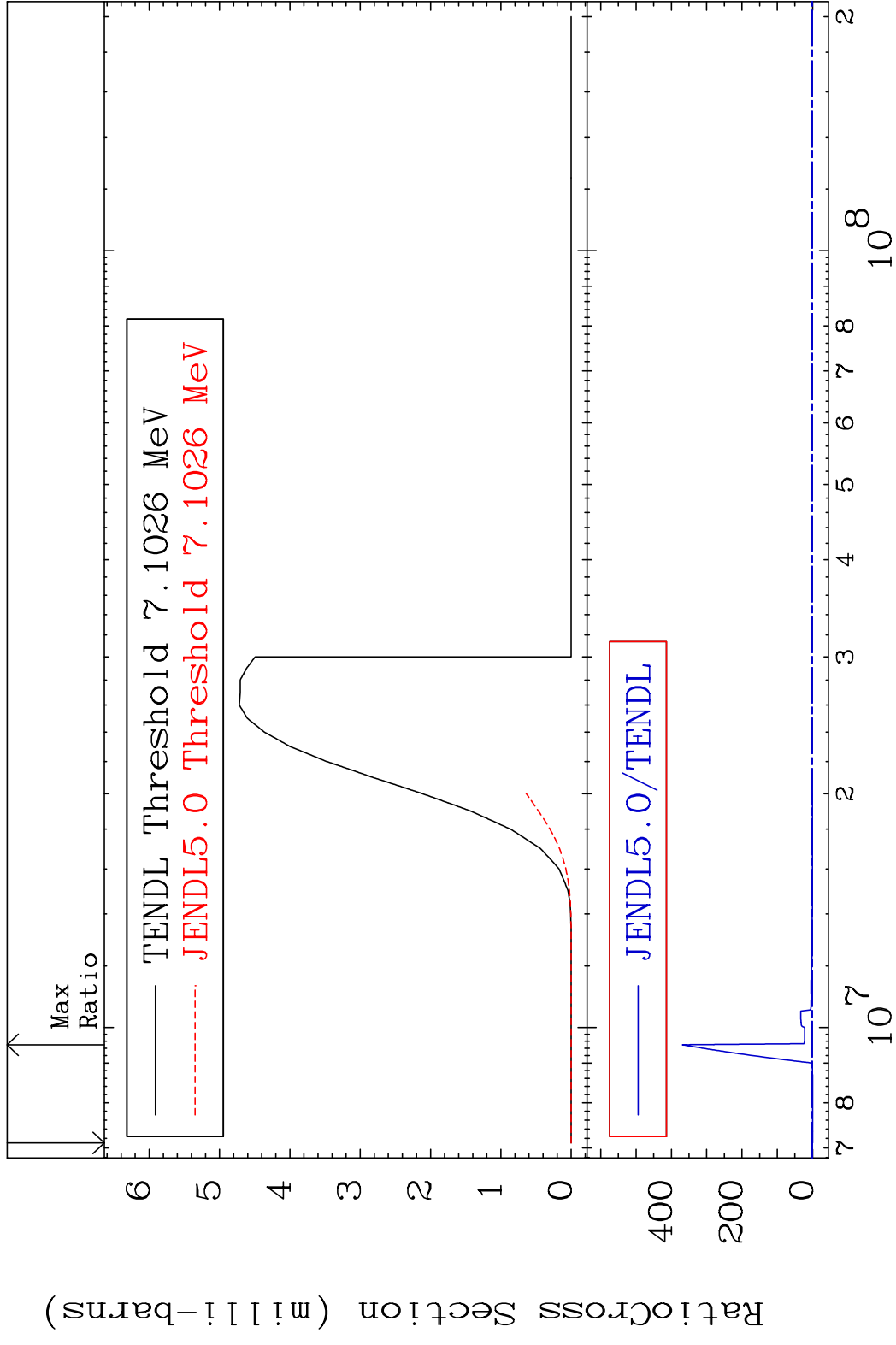


45

Incident Energy (eV)

60-Nd-146

MAT 6037 (n, t) 60-Nd-146
 Cross Section -100.0 To 9999. %

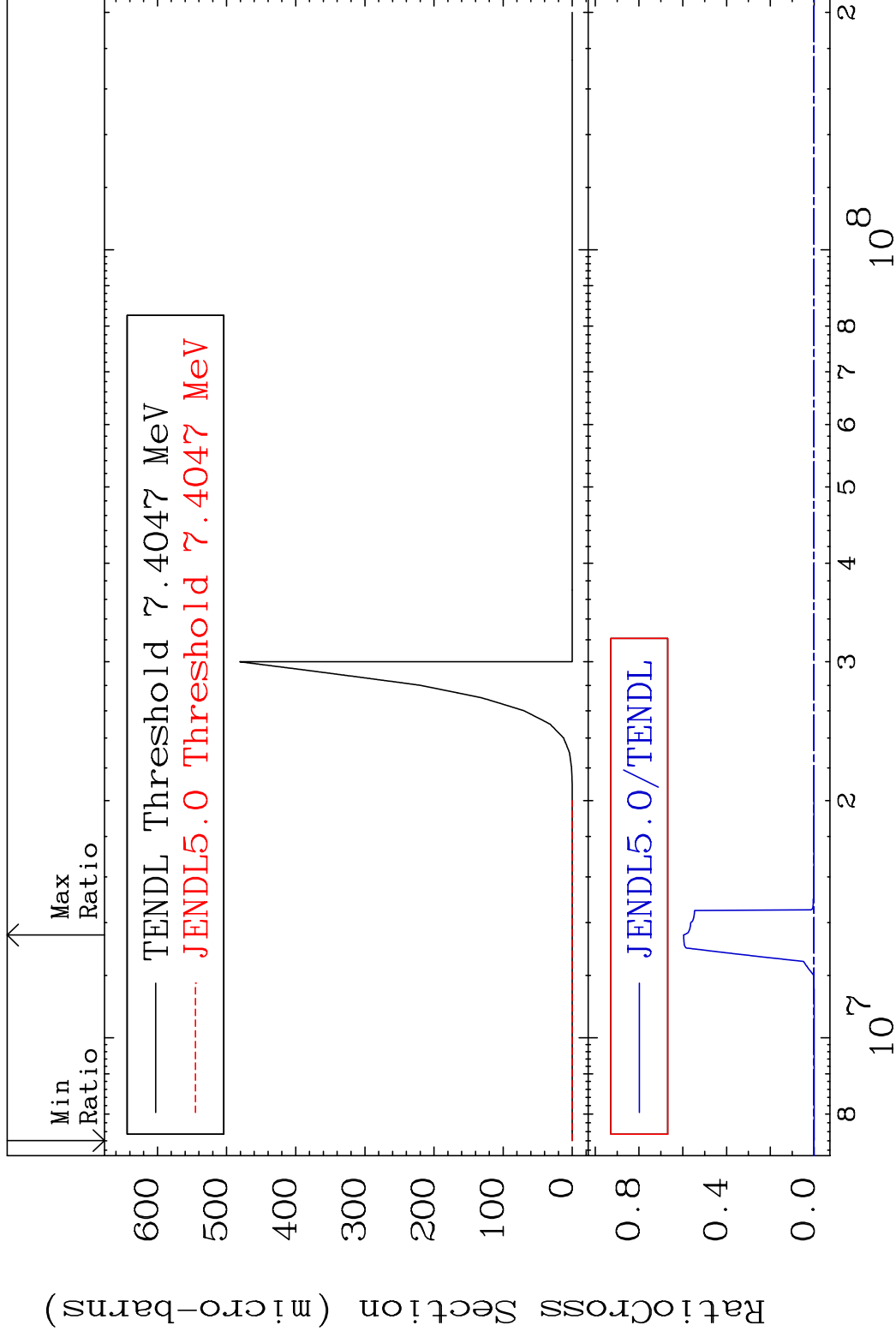


MAT 6037

(n, He-3)

60-Nd-146

Cross Section -100.0 To 9999. %



47

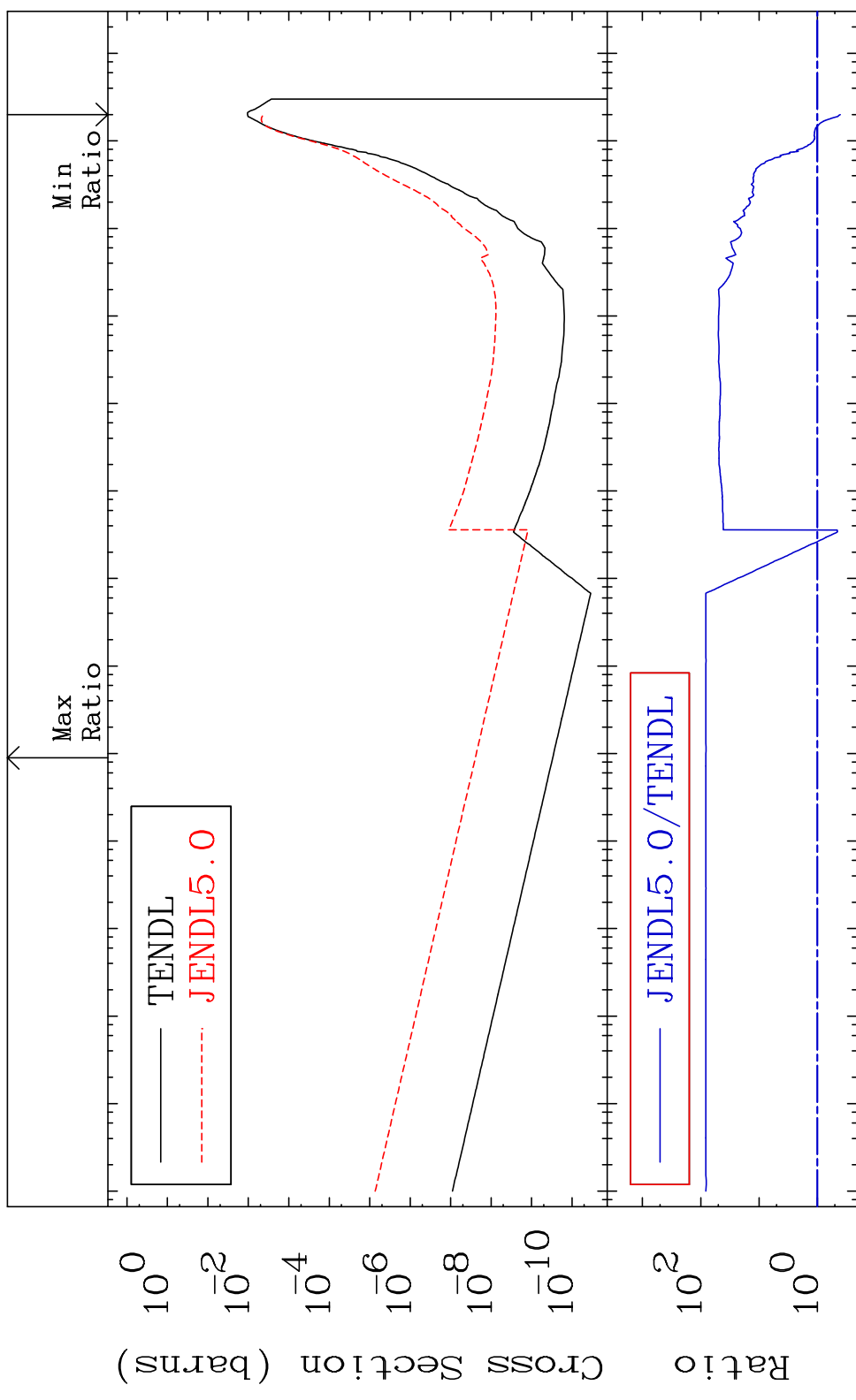
Incident Energy (eV)

60-Nd-146

MAT 6037

(n, α)

Cross Section -59.93 To 8097. %
60-Nd-146

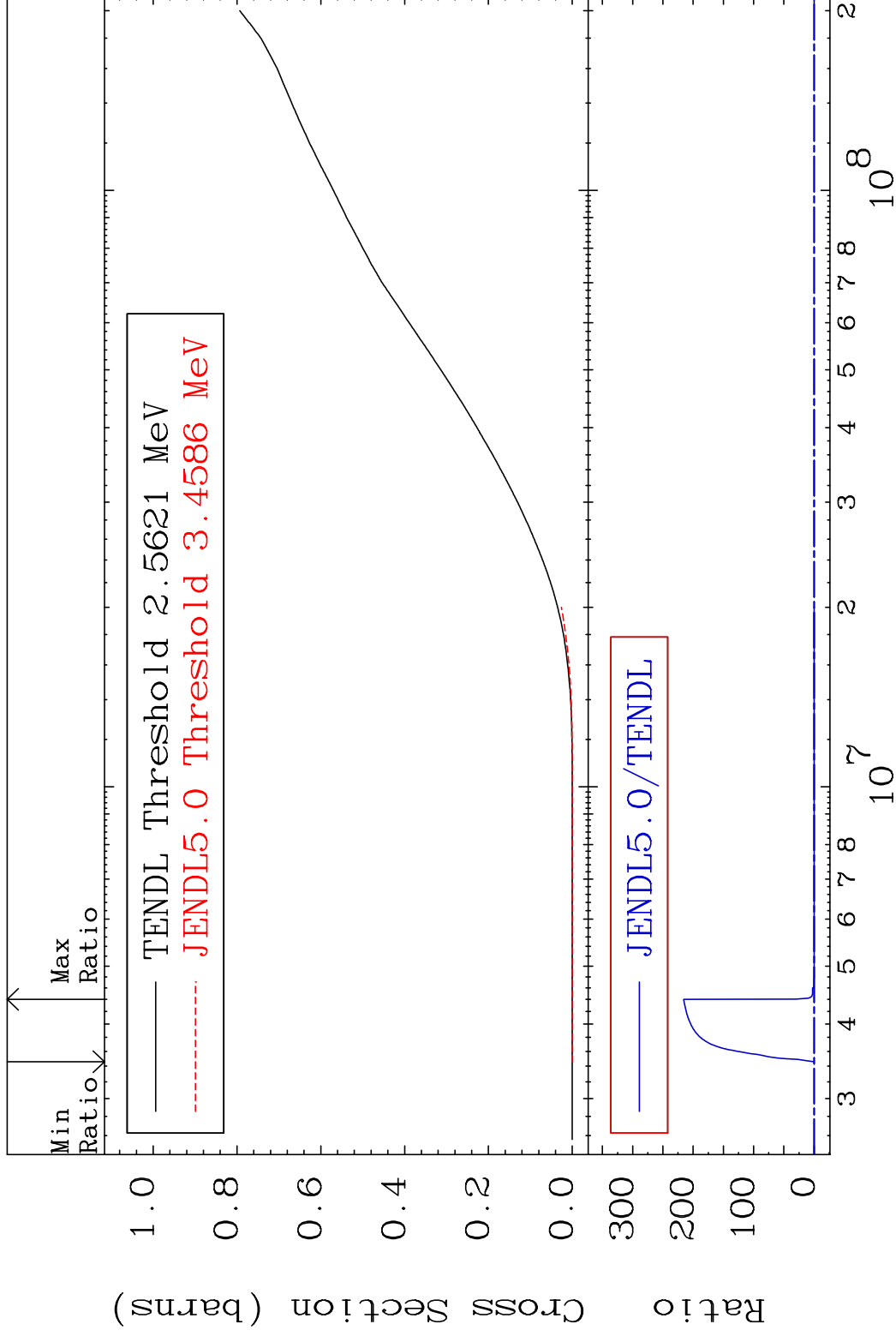


MAT 6037

Hydrogen Production

60-Nd-146

Cross Section -100.0 To 9999. %



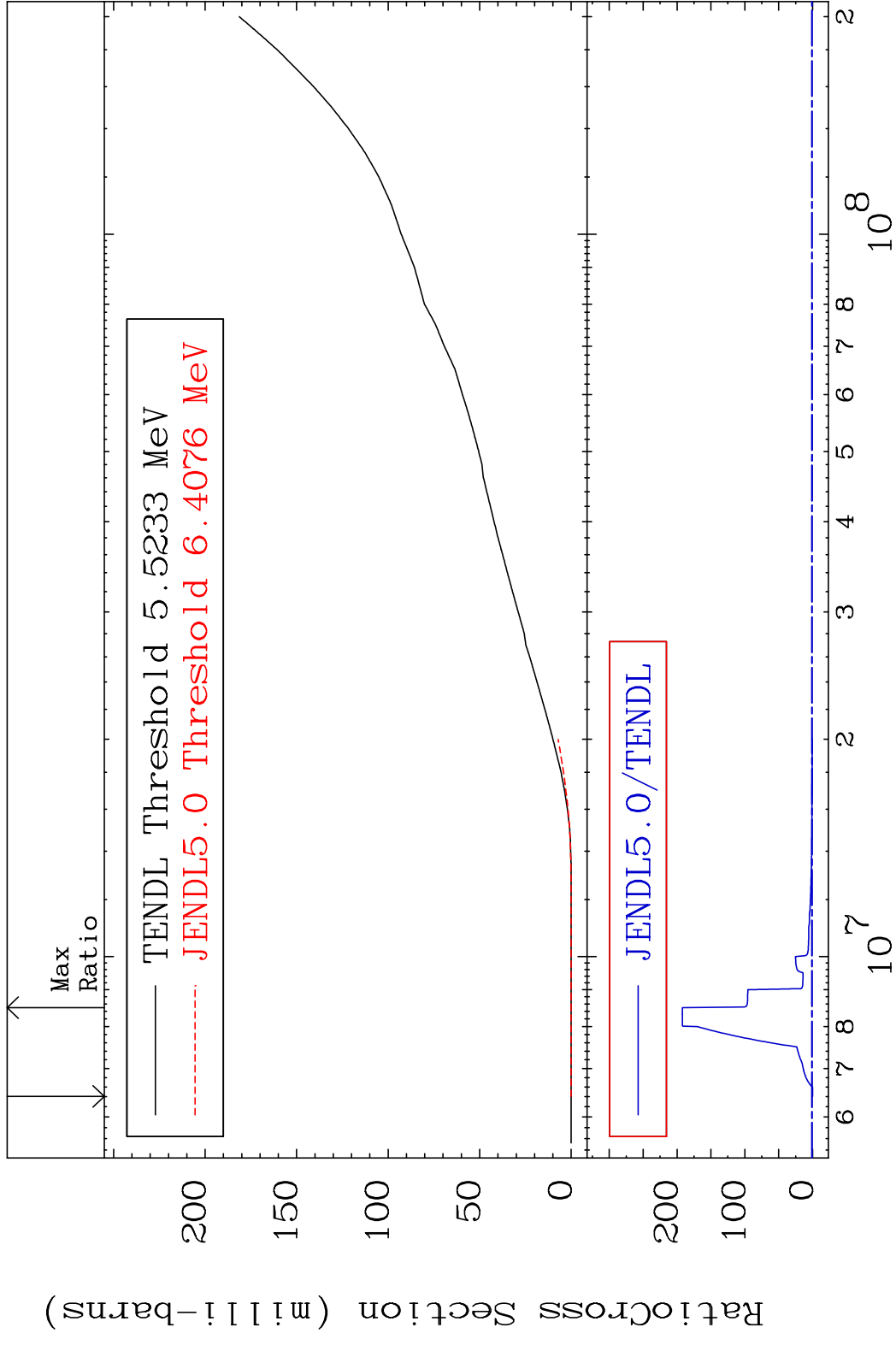
49

Incident Energy (eV)

60-Nd-146

MAT 6037

Deuterium Production 60-Nd-146
Cross Section -100.0 To 9999. %

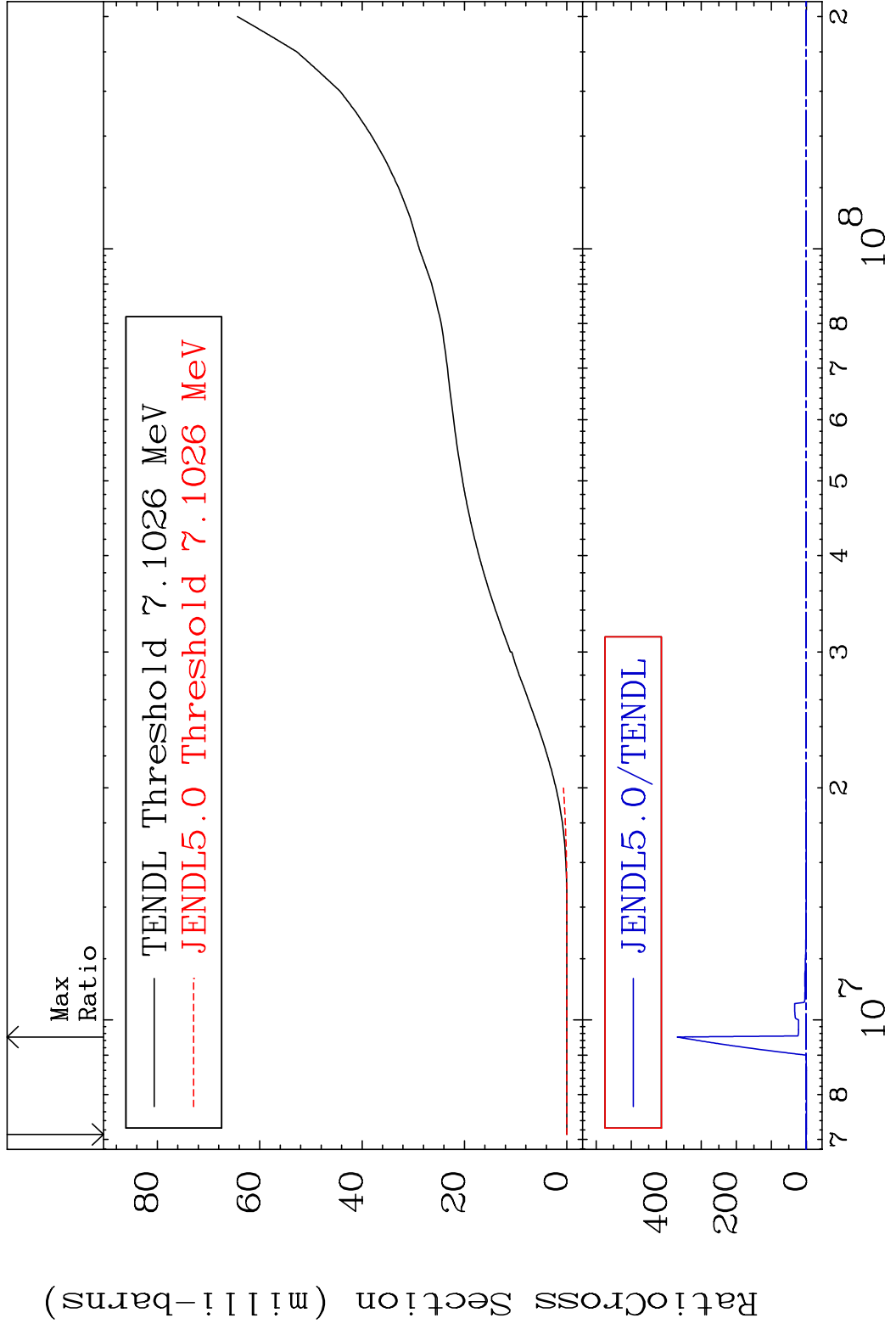


50

Incident Energy (eV)

60-Nd-146

MAT 6037 Tritium Production 60-Nd-146
 Cross Section -100.0 To 9999. %

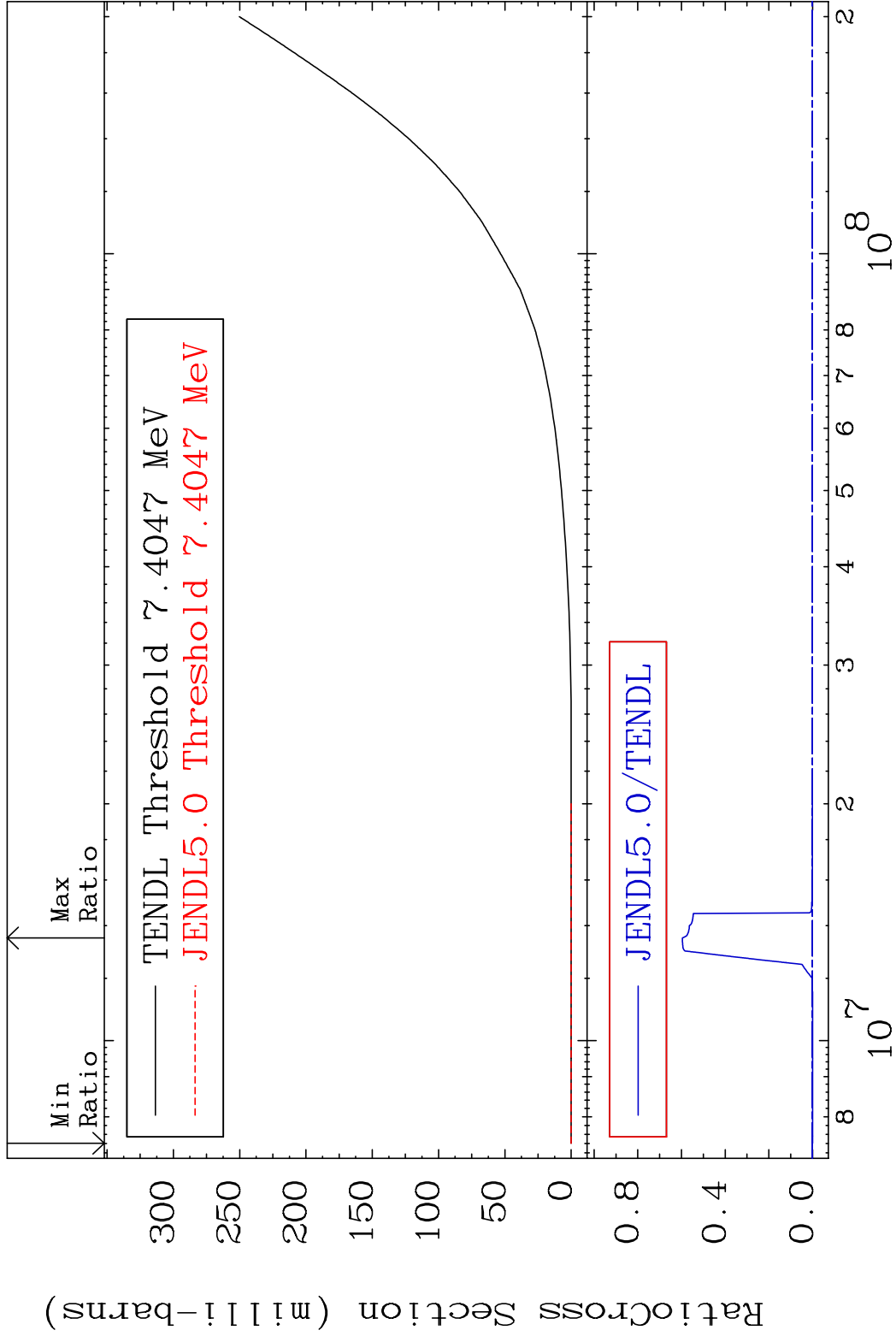


MAT 6037

He-3 Production

60-Nd-146

Cross Section -100.0 To 9999. %

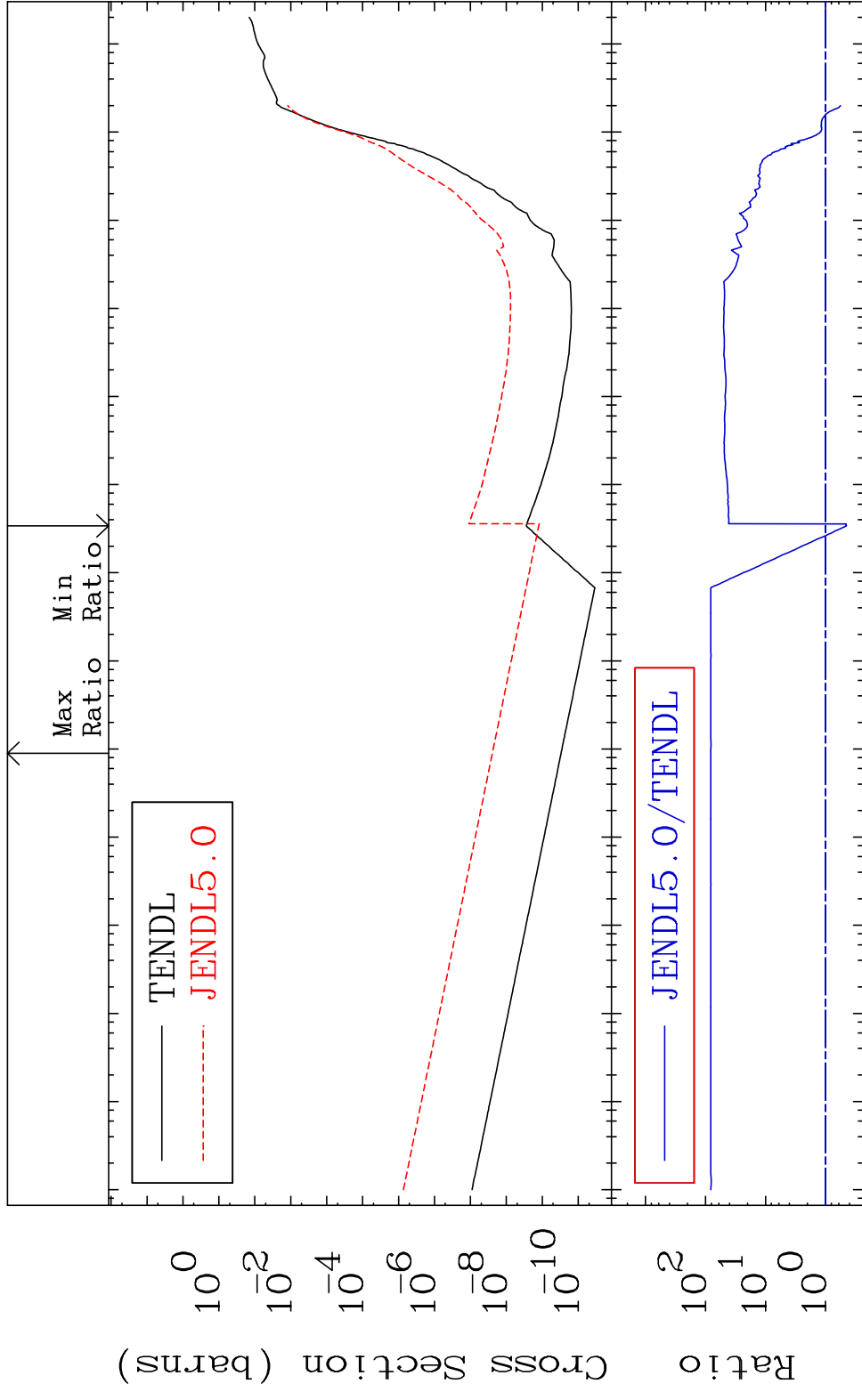


MAT 6037

He-4 Production

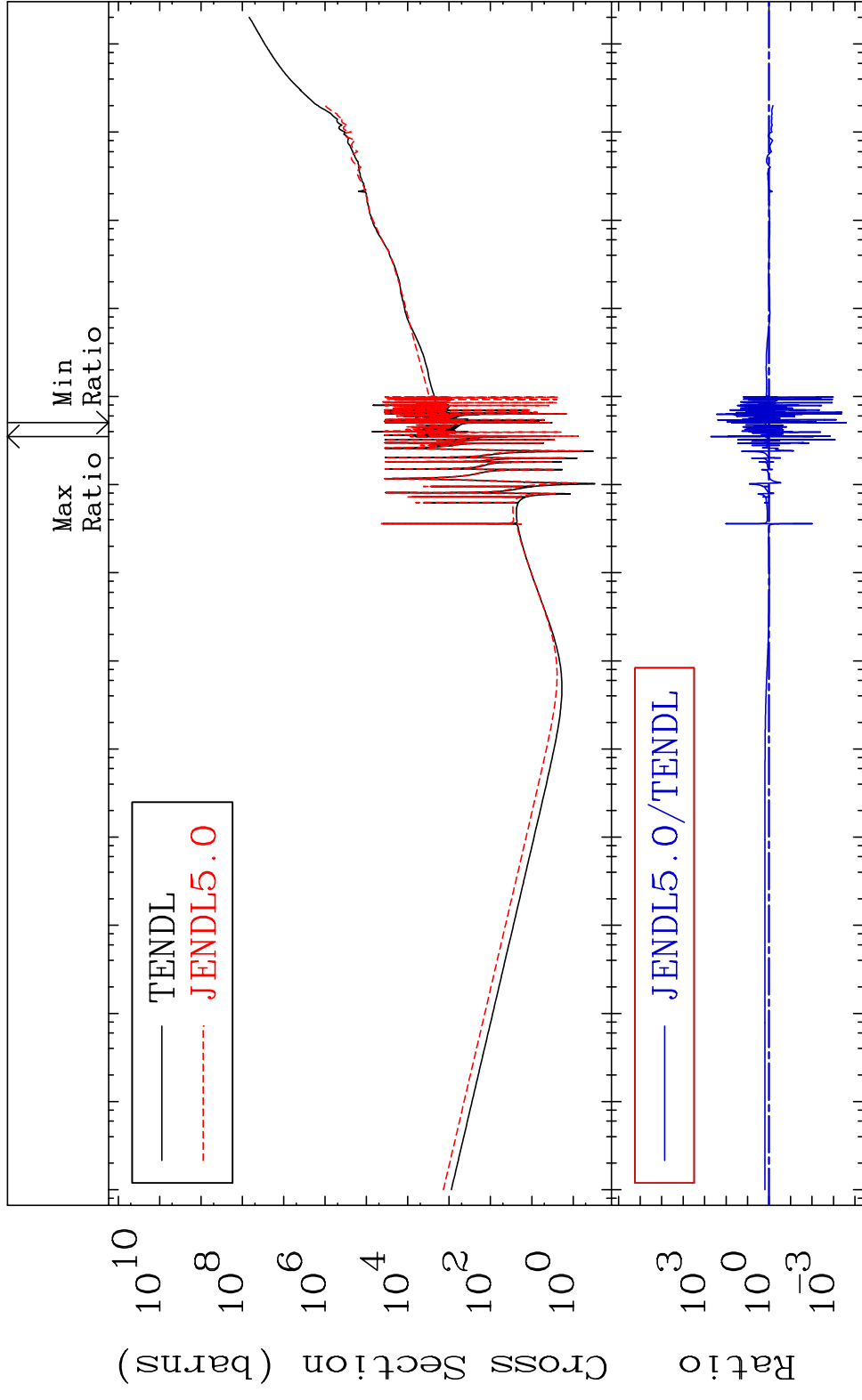
60-Nd-146

Cross Section -54.96 To 8097. %



Incident Energy (eV) 60-Nd-146

MAT 6037 Kerma total (eV-barns) 60-Nd-146
 Cross Section -99.97 To 9999. %

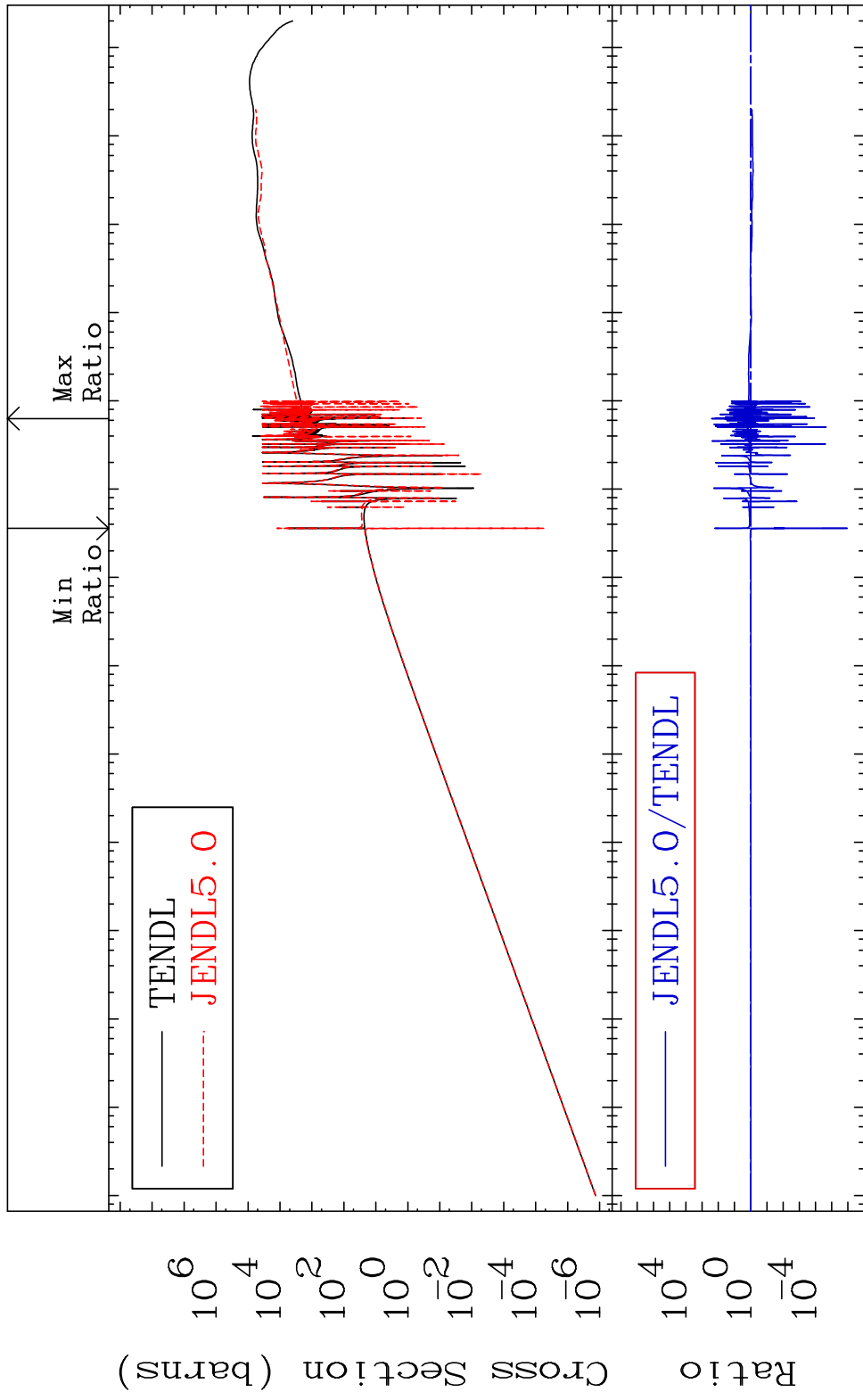


MAT 6037

Kerma elastic

60-Nd-146

Cross Section -100.0 To 9999. %



Cross Section (barns)
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
Ratio
 10^4
 10^0
 10^{-4}

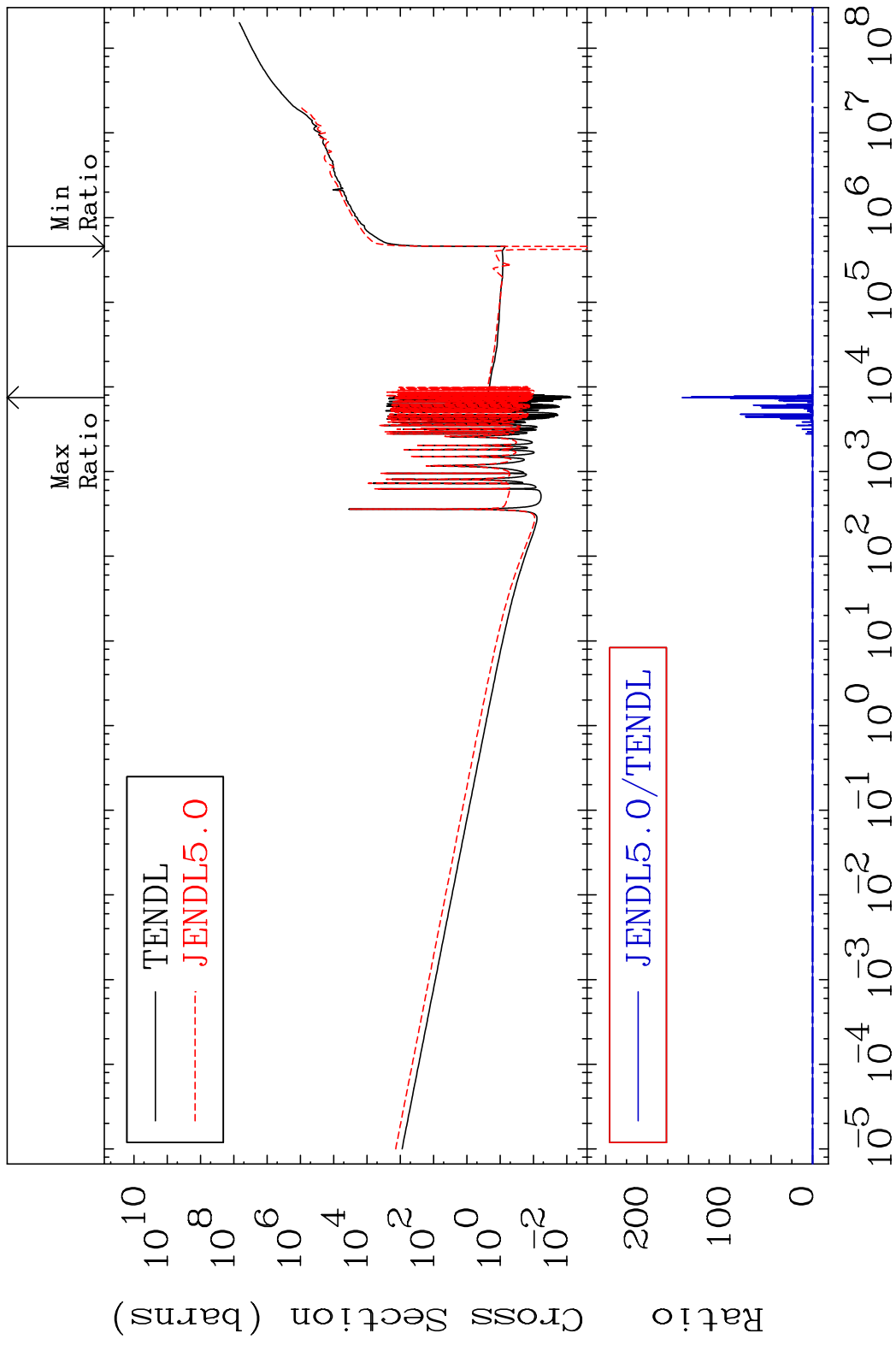
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

55

Incident Energy (eV)

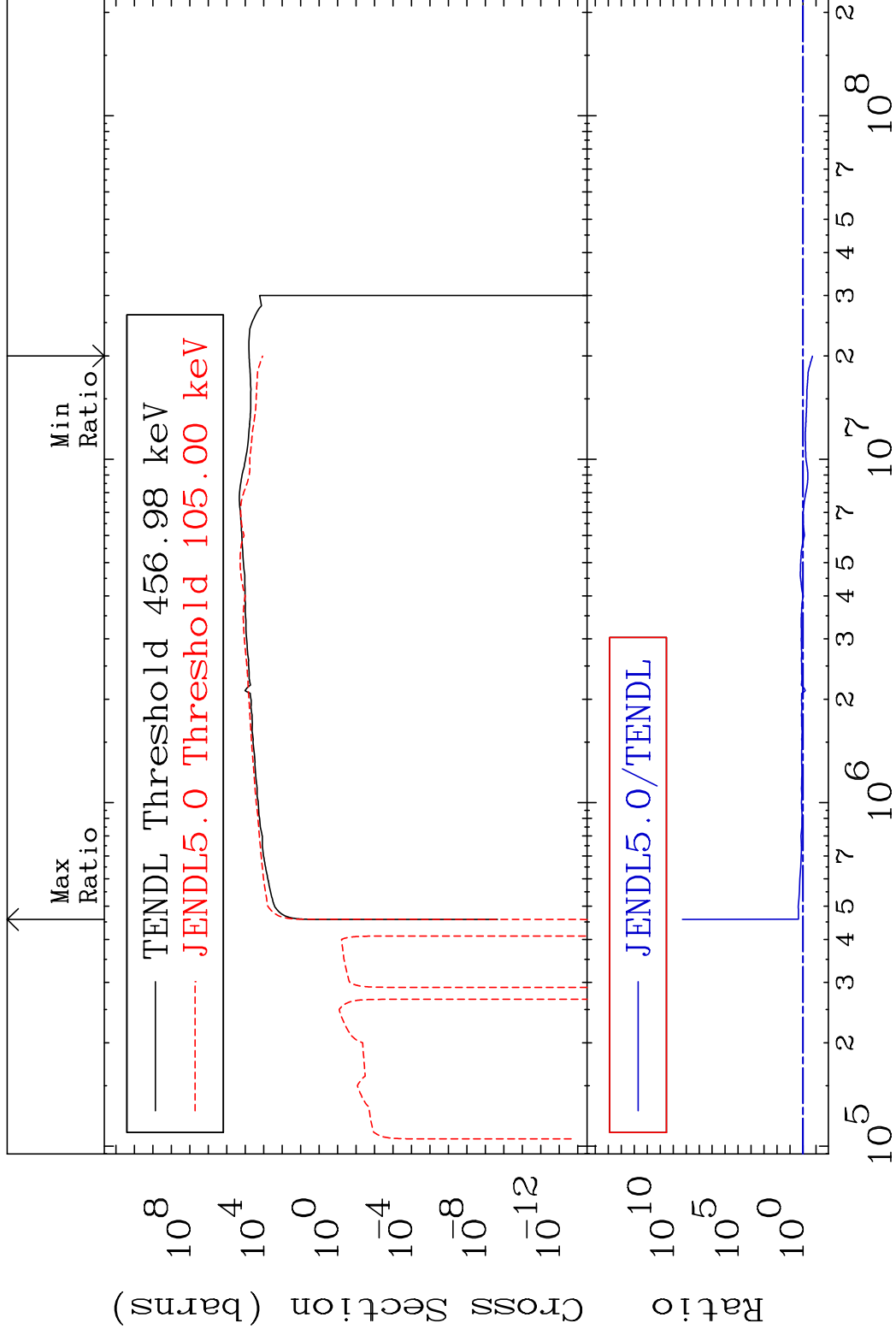
60-Nd-146

MAT 6037 Kerma non-elastic (all but mt2) 60-Nd-146
 Cross Section -682.3 To 9999. %



MAT 6037

Kerma inelastic (mt51-91) 60-Nd-146
Cross Section -81.73 To 9999. %

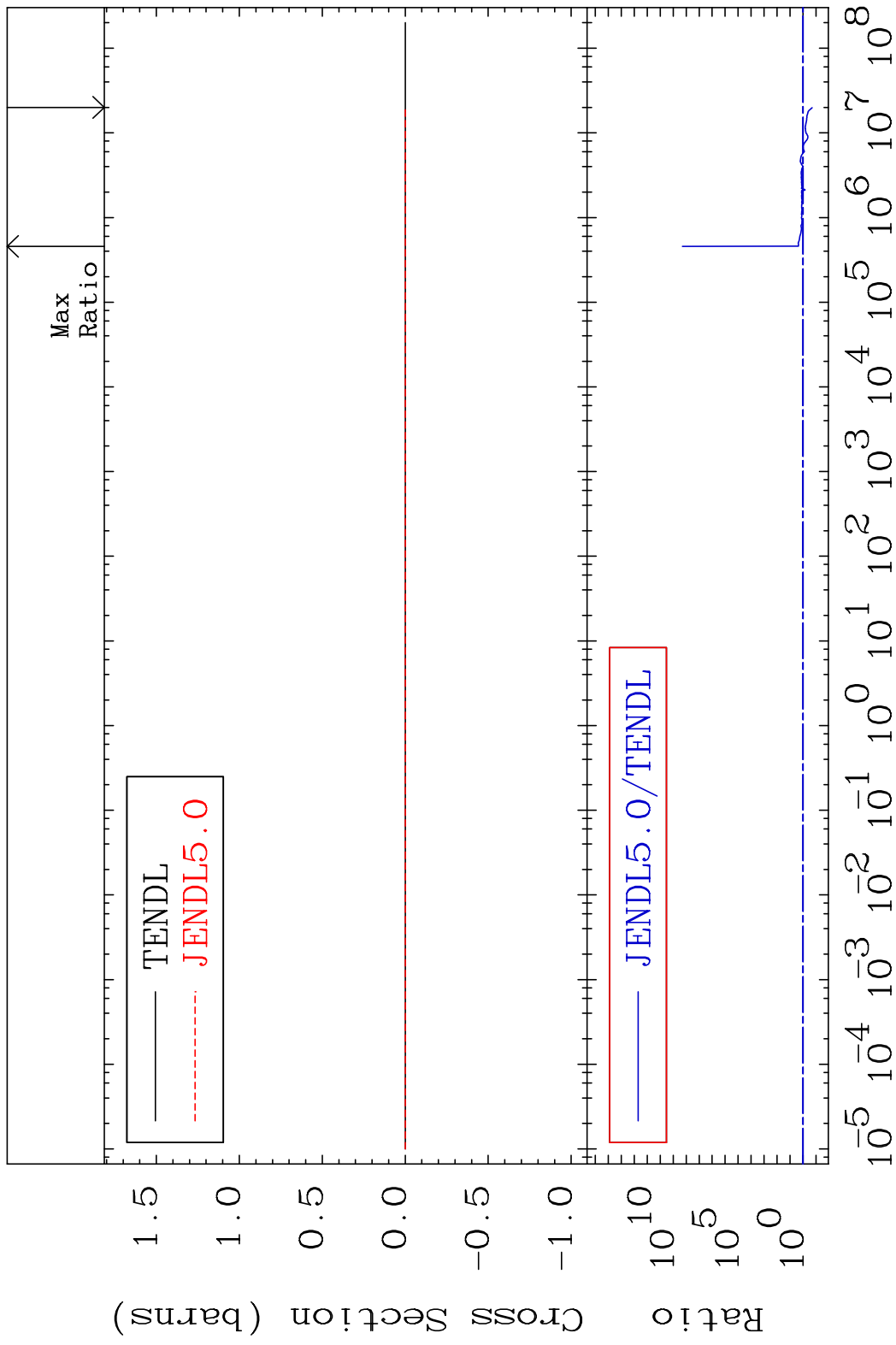


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Incident Energy (eV)

60-Nd-146

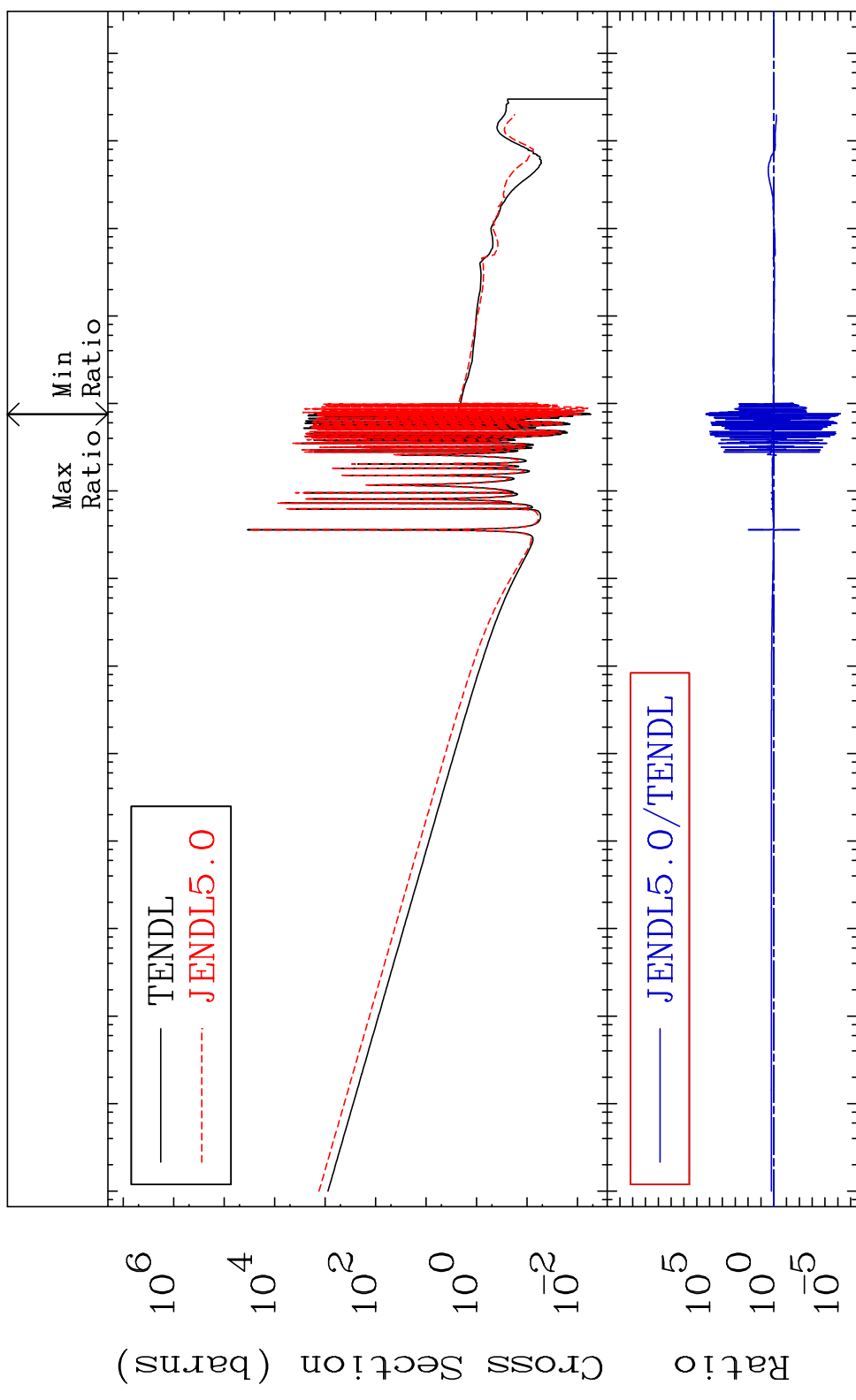
MAT 6037 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-146
 Cross Section -81.73 To 9999. %



MAT 6037

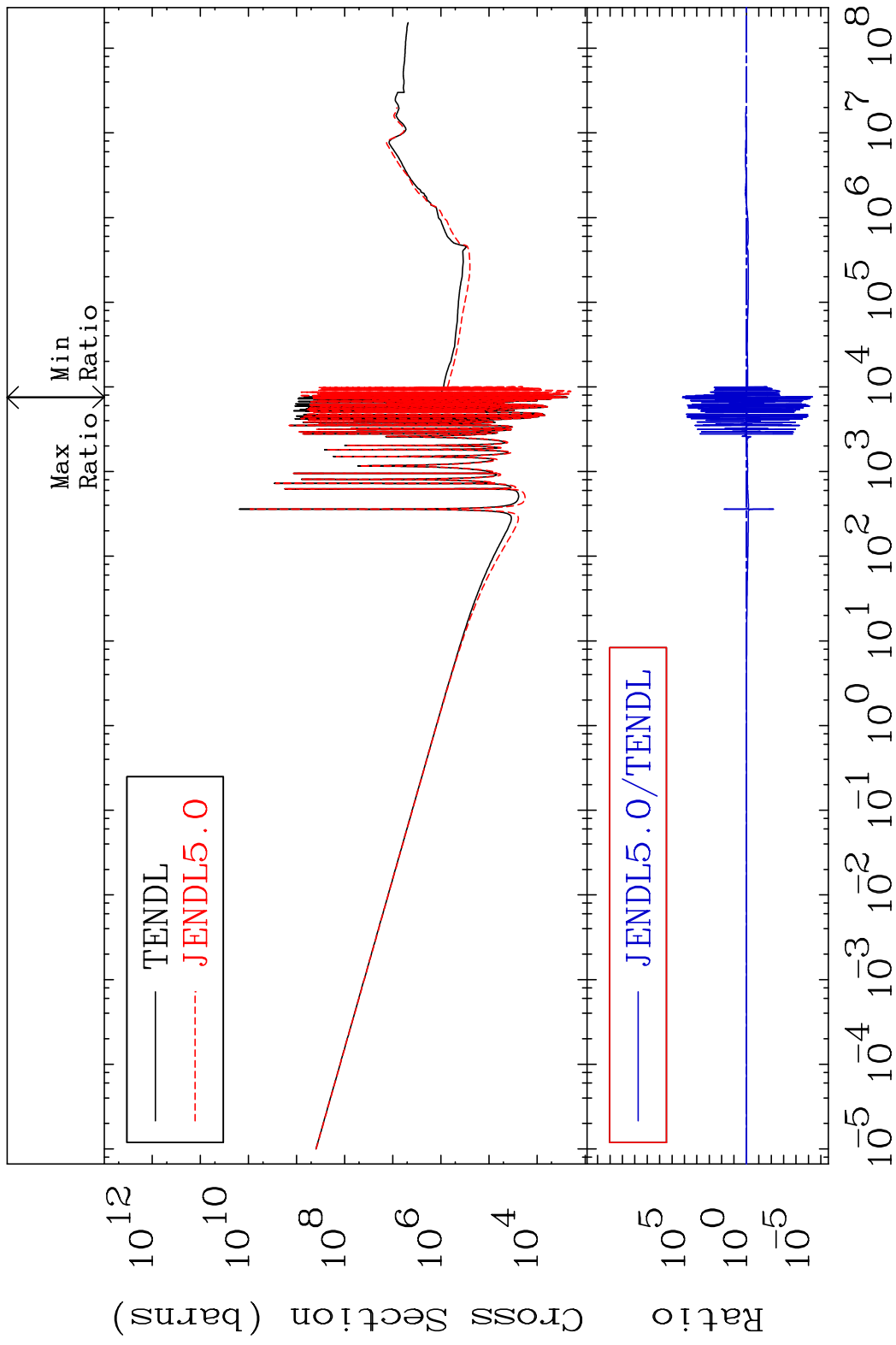
Kerma capture (mt102) 60-Nd-146

Cross Section -100.0 To 9999. %



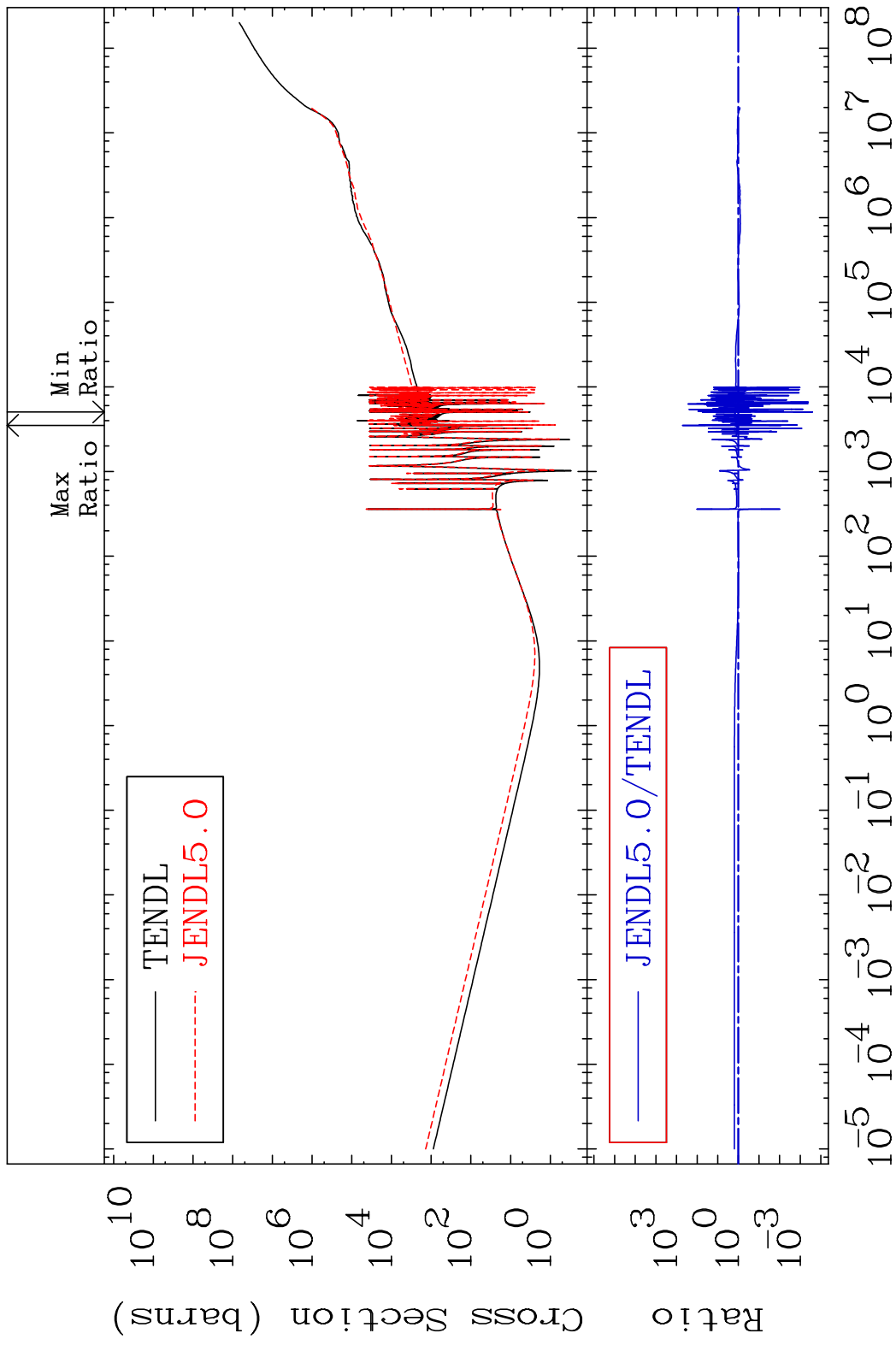
59 Incident Energy (eV) 60-Nd-146

MAT 6037 Total photon (eV-barns) 60-Nd-146
Cross Section -100.0 To 9999. %

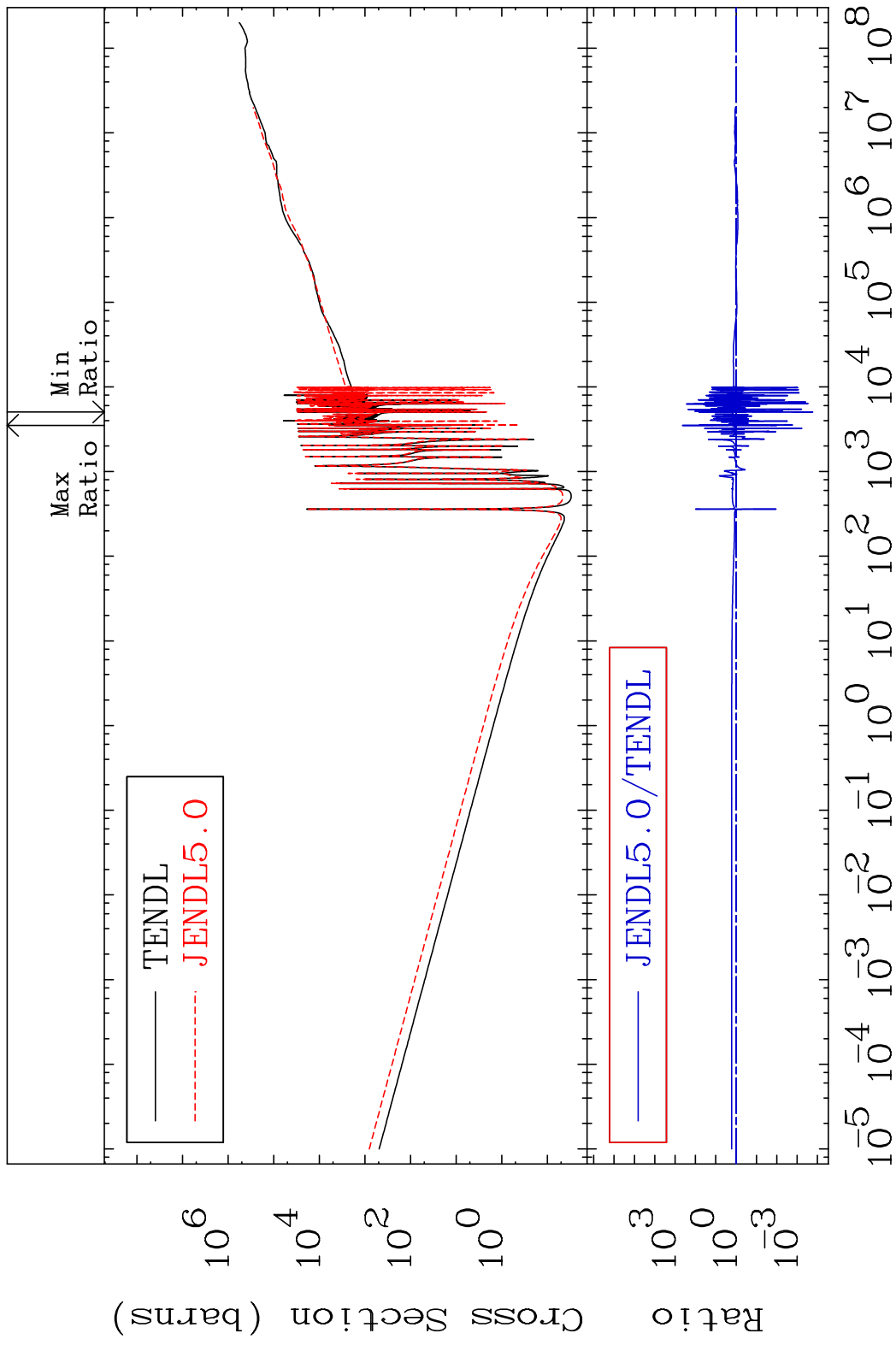


60 Incident Energy (eV) 60-Nd-146

MAT 6037 Total kinematic kerma (high limit) 60-Nd-146
 Cross Section -99.97 To 9999. %



MAT 6037 Dpa total (eV-barns) 60-Nd-146
 Cross Section -99.98 To 9999. %

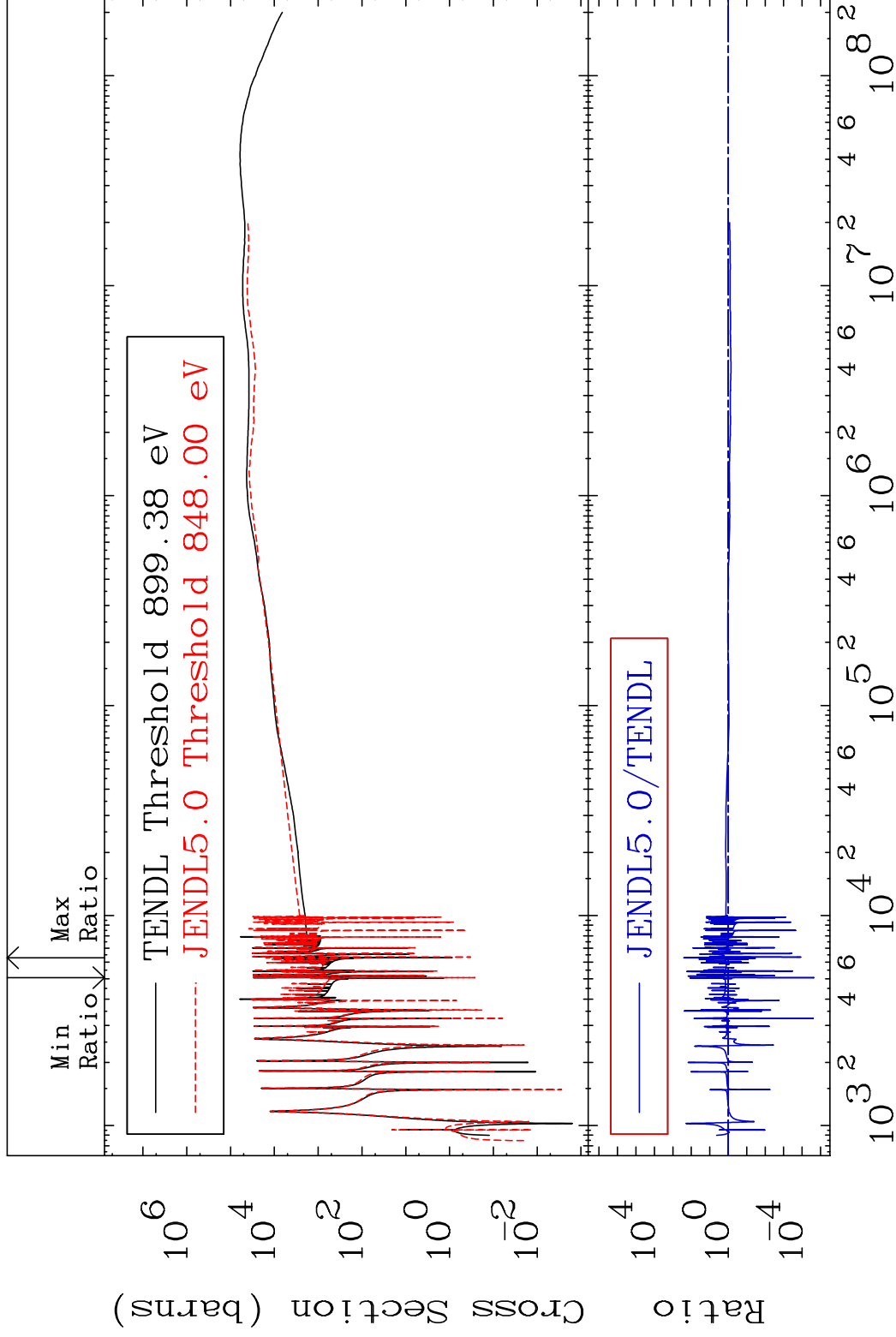


MAT 6037

Dpa elastic (mt2)

60-Nd-146

Cross Section -100.0 To 9999. %

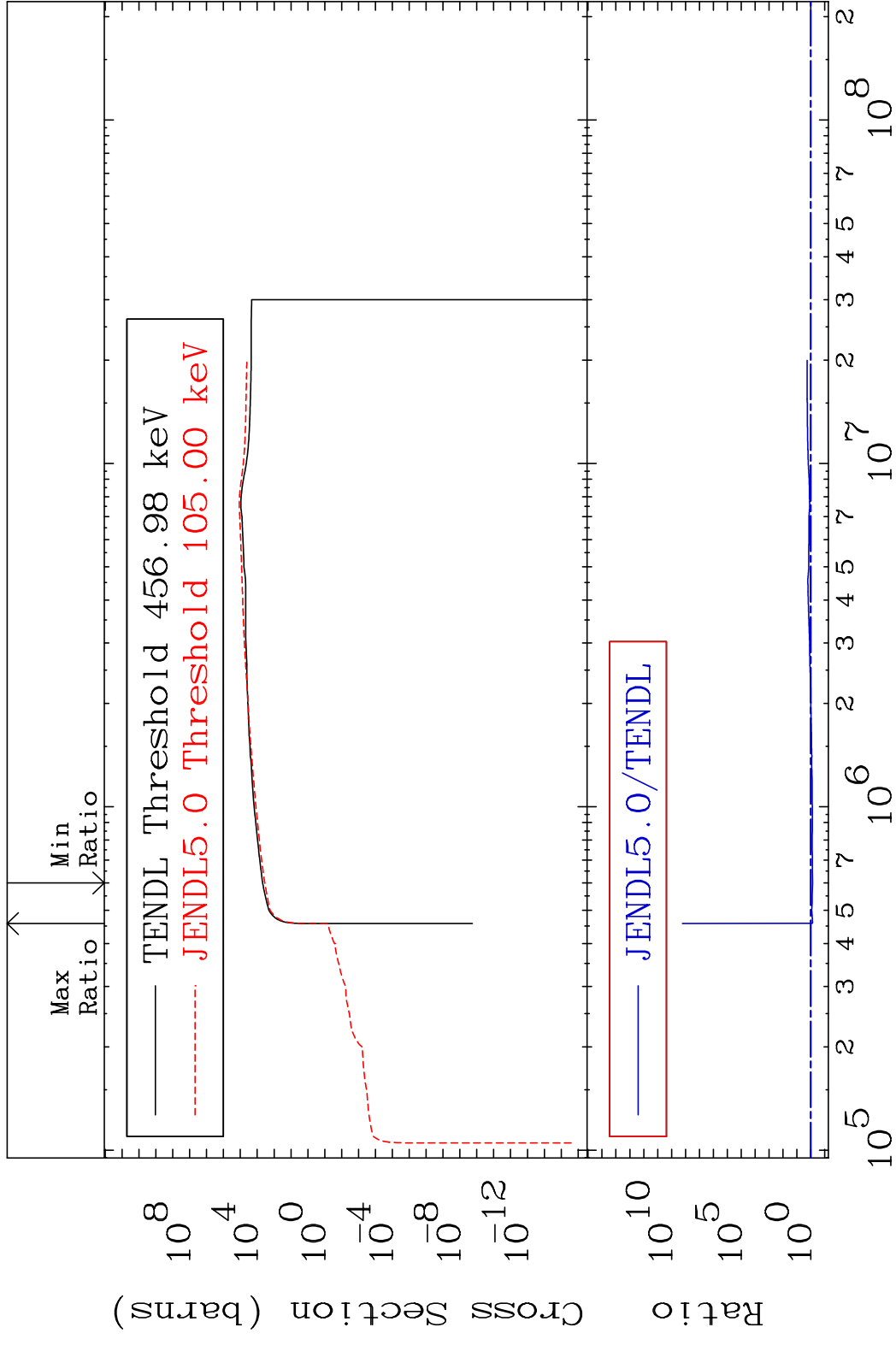


63

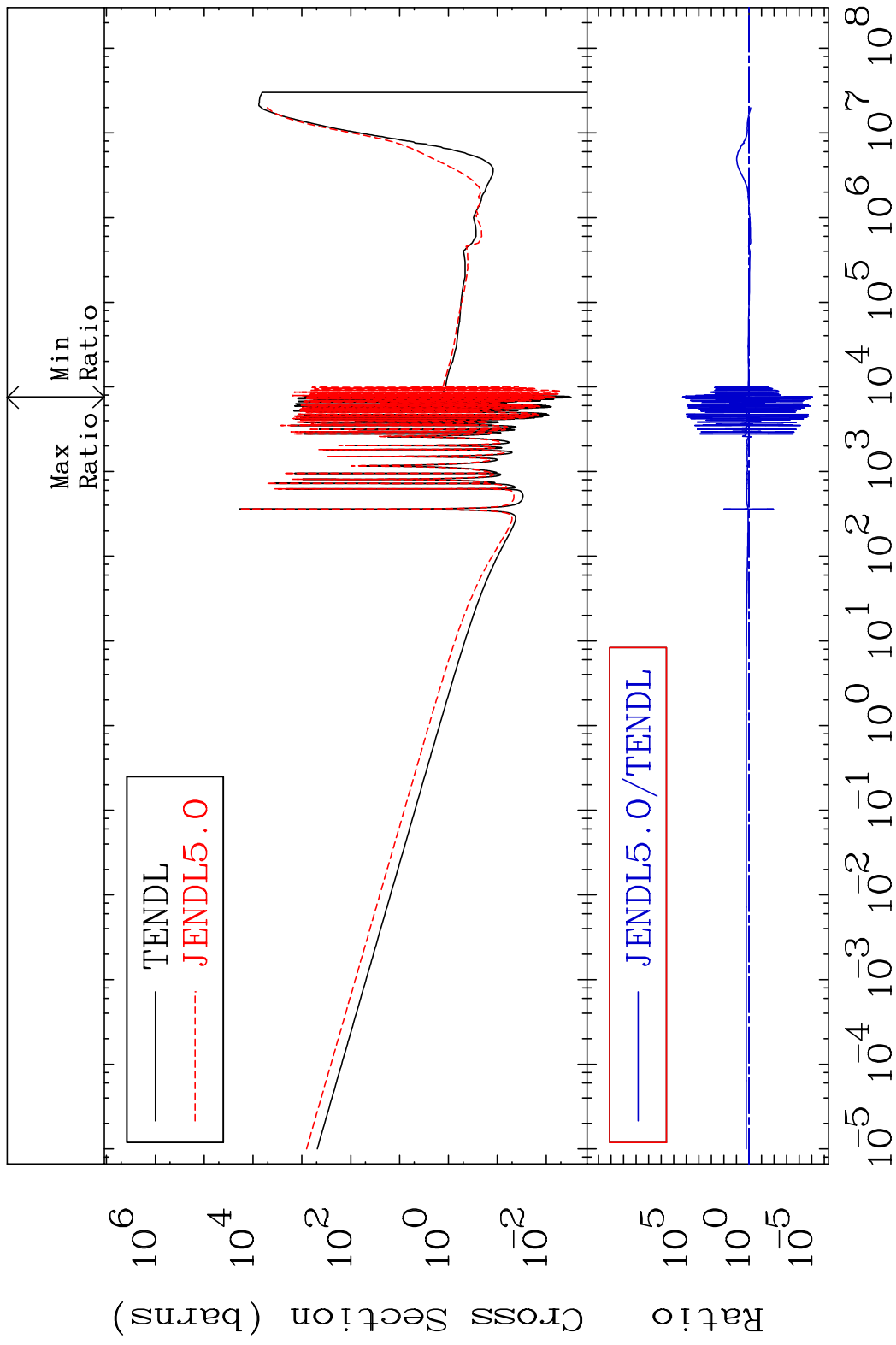
Incident Energy (eV)

60-Nd-146

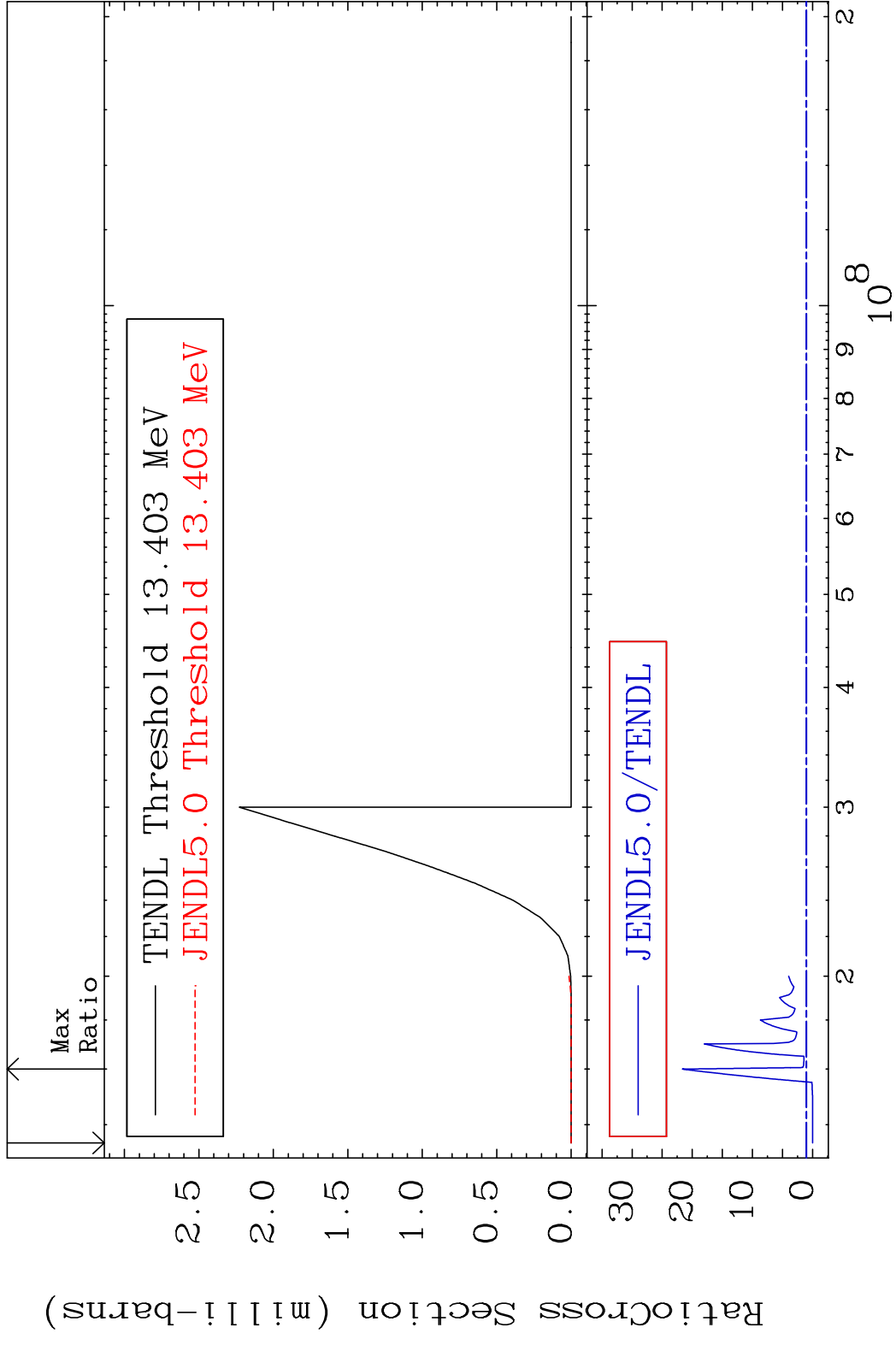
MAT 6037 Dpa inelastic (mt51-91) 60-Nd-146
 Cross Section -25.41 To 9999. %

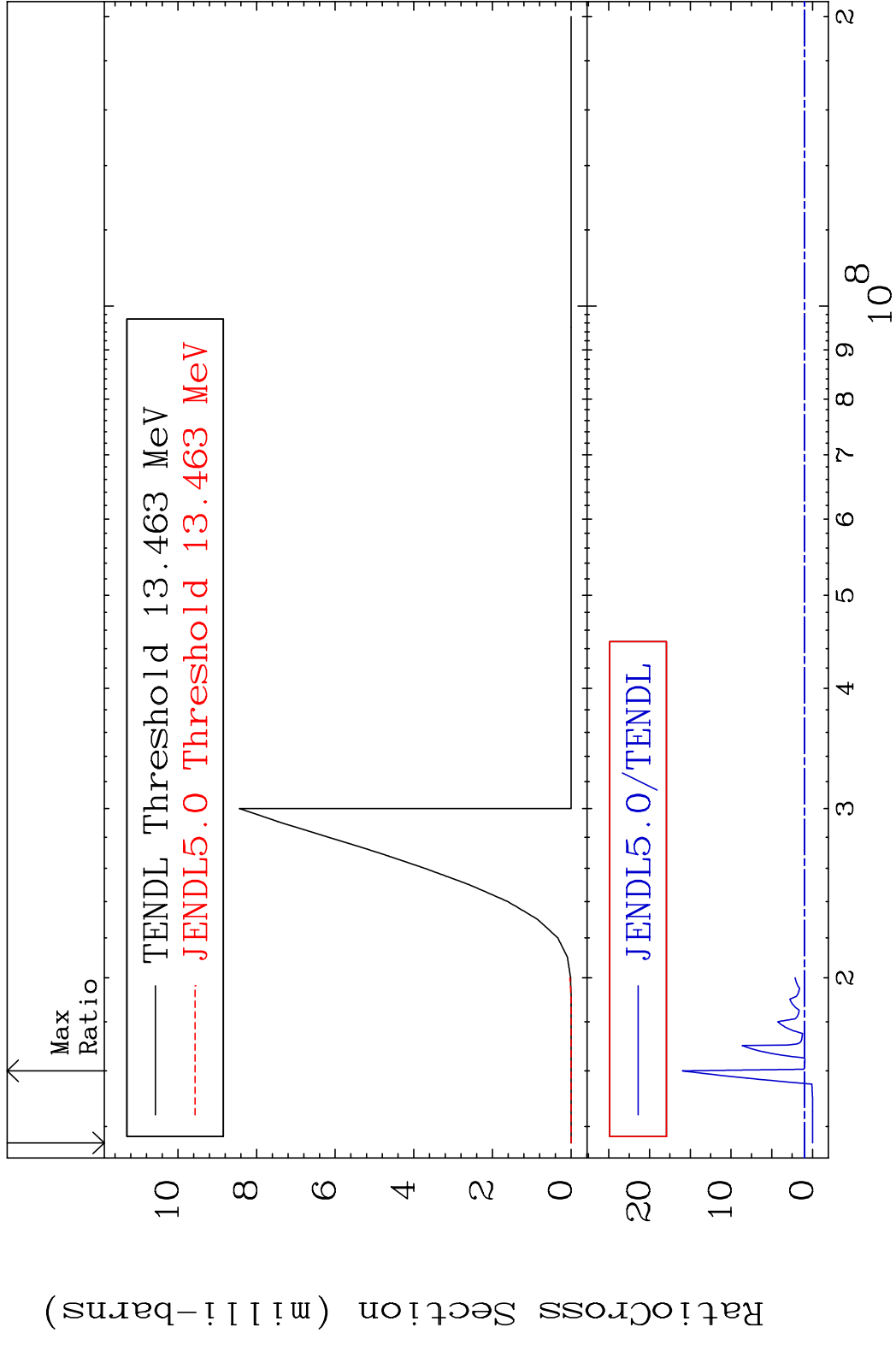


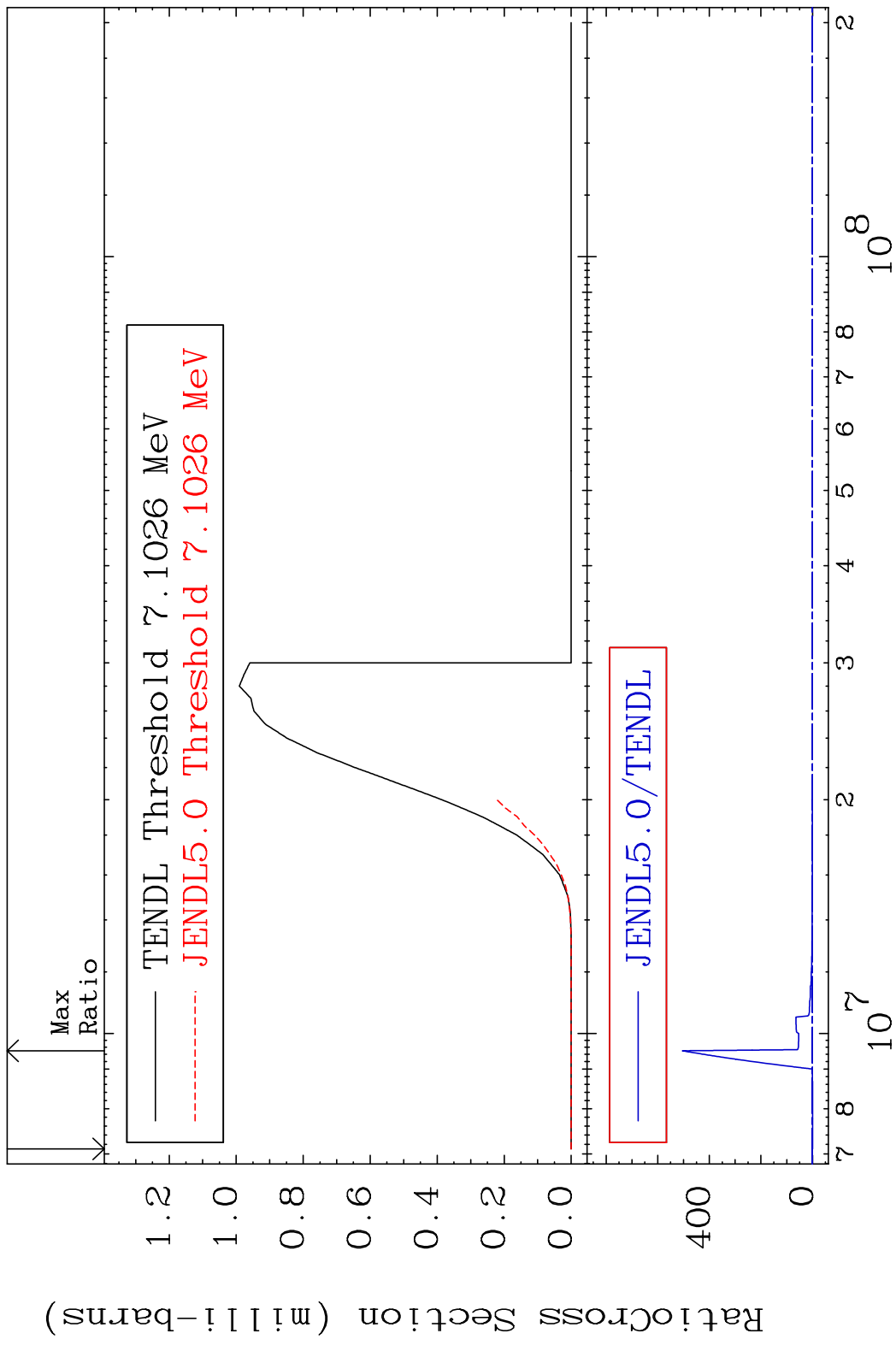
MAT 6037 Dpa disappearance (mt102 -120) 60-Nd-146
 Cross Section -100.0 To 9999. %



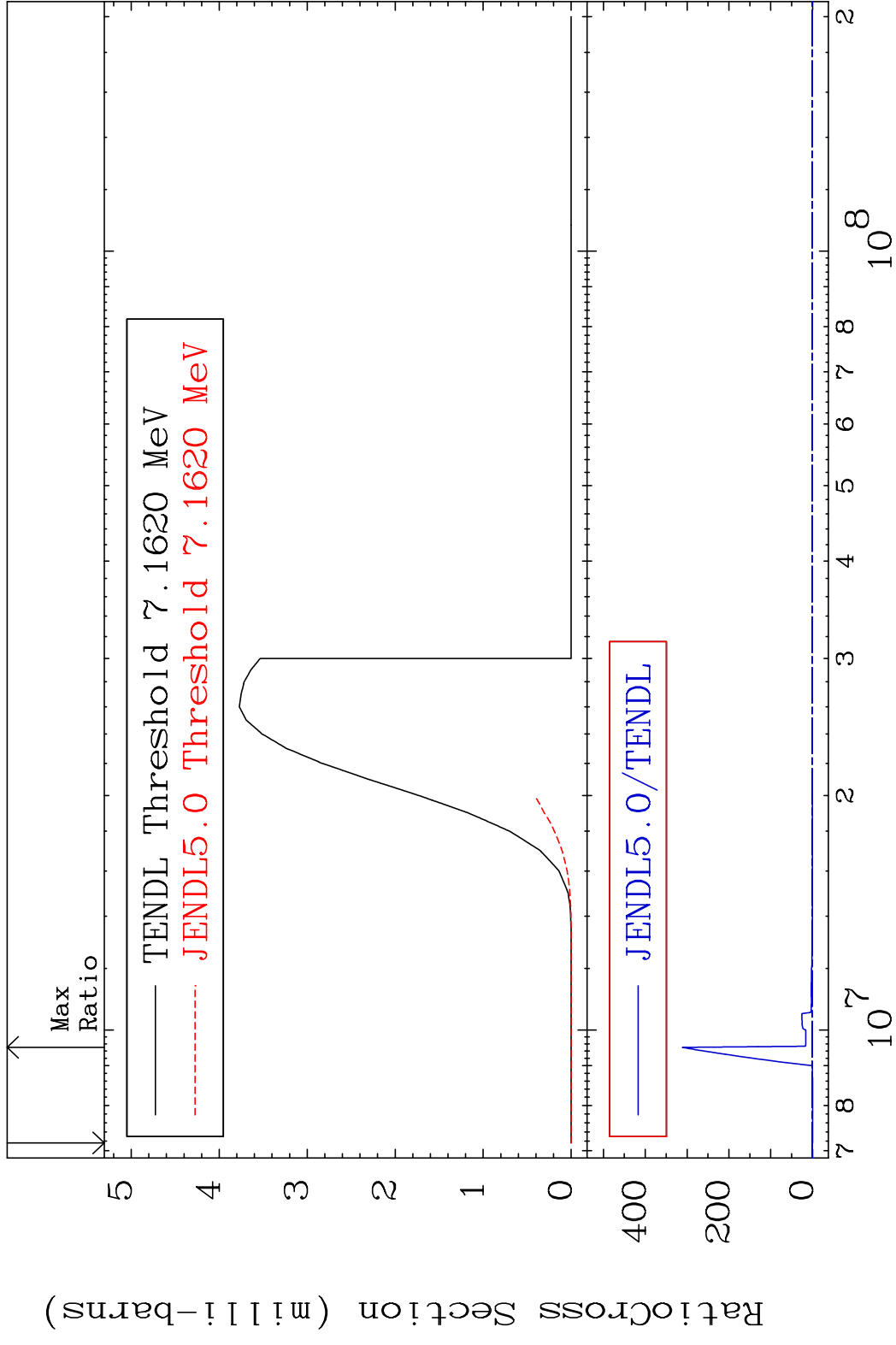
65 Incident Energy (eV) 60-Nd-146







MAT 6037 (n, t):59-Pr-144m1 60-Nd-146
 Radionuclide Production Cross Section 100.00 %



69 Incident Energy (eV) 60-Nd-146