

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

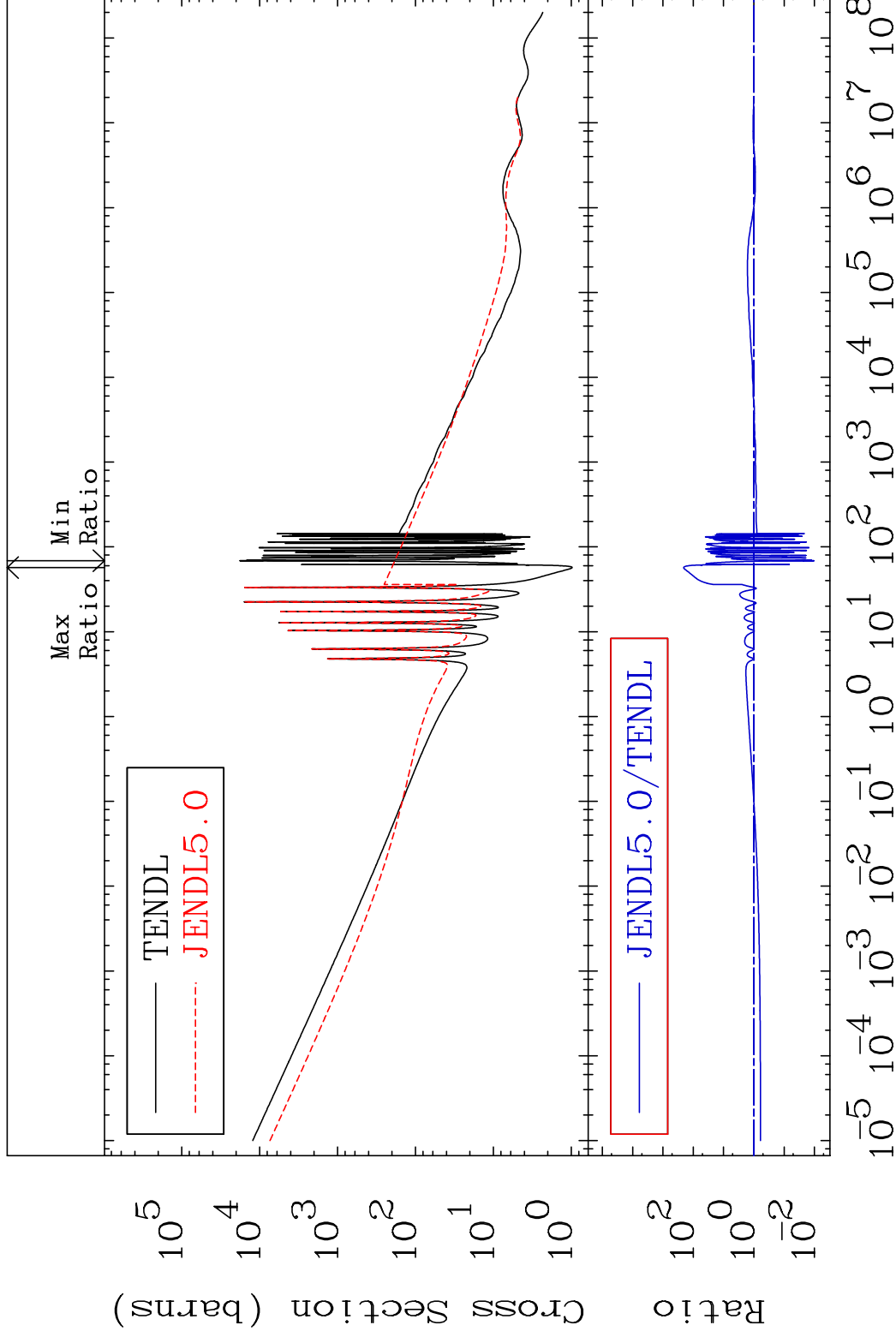
MAT 6040

Total

60-Nd-147

Cross Section

-98.98 To 9999. %



1

Incident Energy (eV)

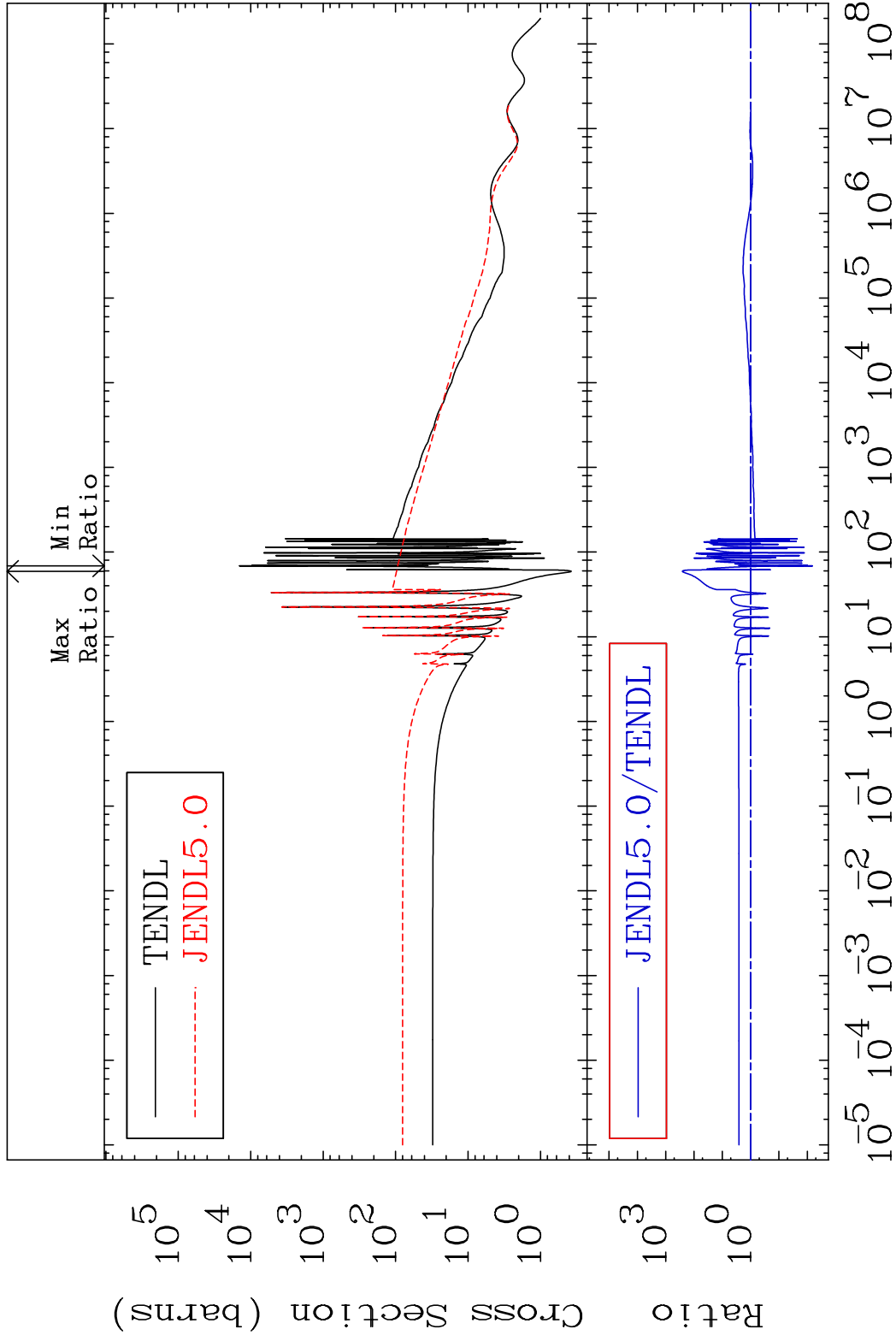
60-Nd-147

MAT 6040

Elastic

60-Nd-147

Cross Section -99.35 To 9999. %

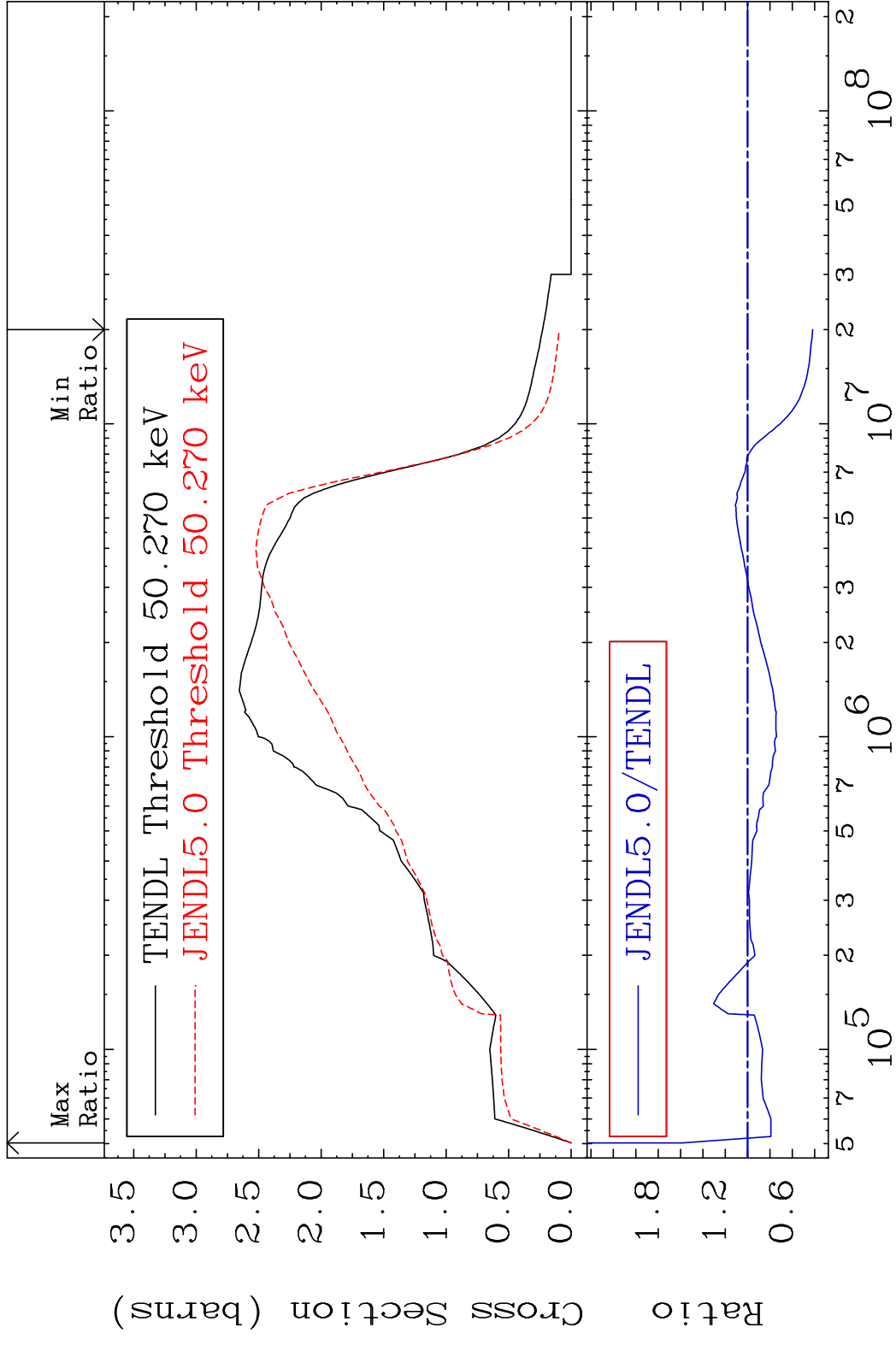


2

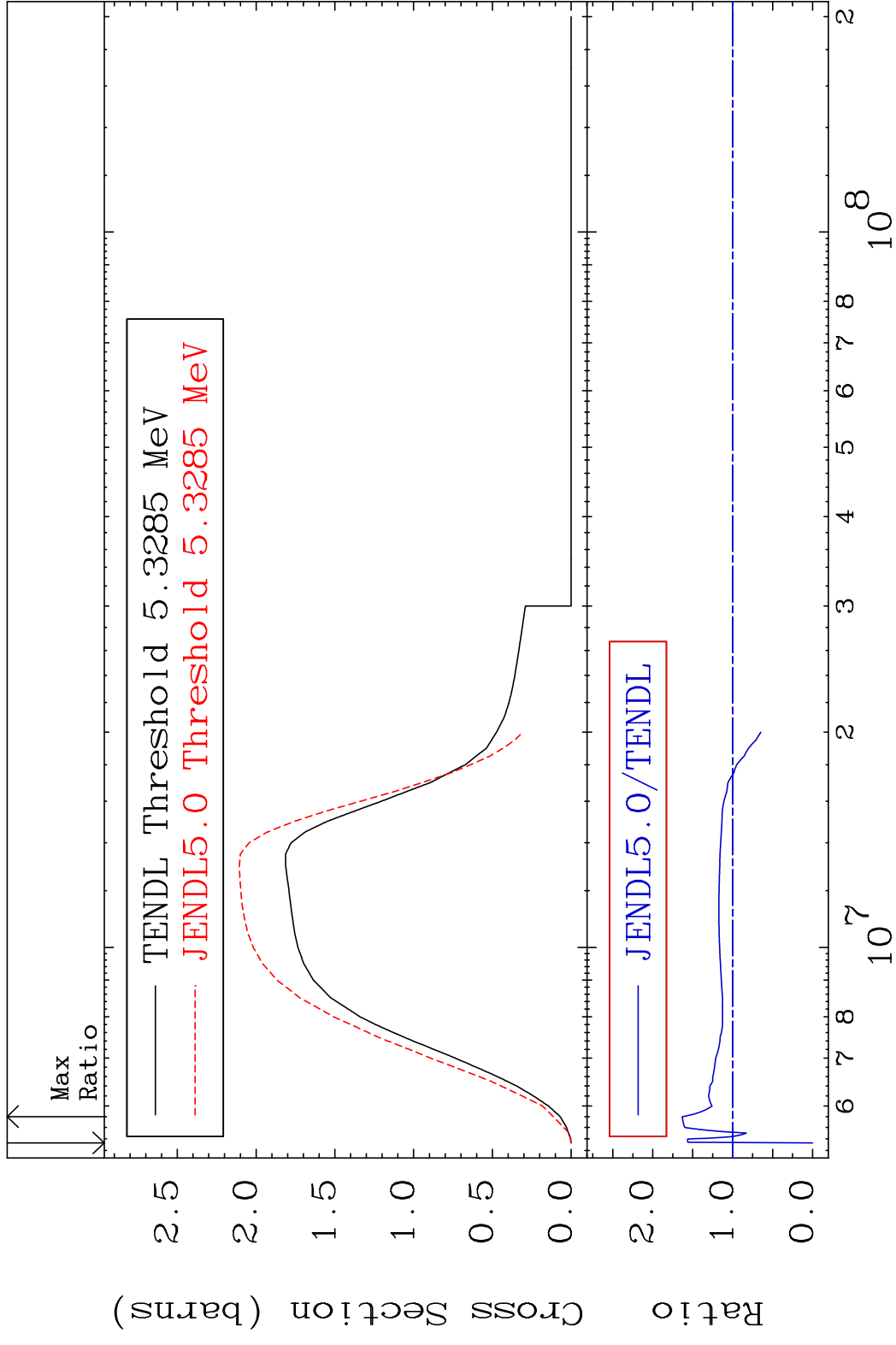
Incident Energy (eV)

60-Nd-147

MAT 6040 Inelastic 60-Nd-147  
 Cross Section -58.03 To 58.36 %



MAT 6040 (n,2n) 60-Nd-147  
 Cross Section -100.0 To 62.97 %



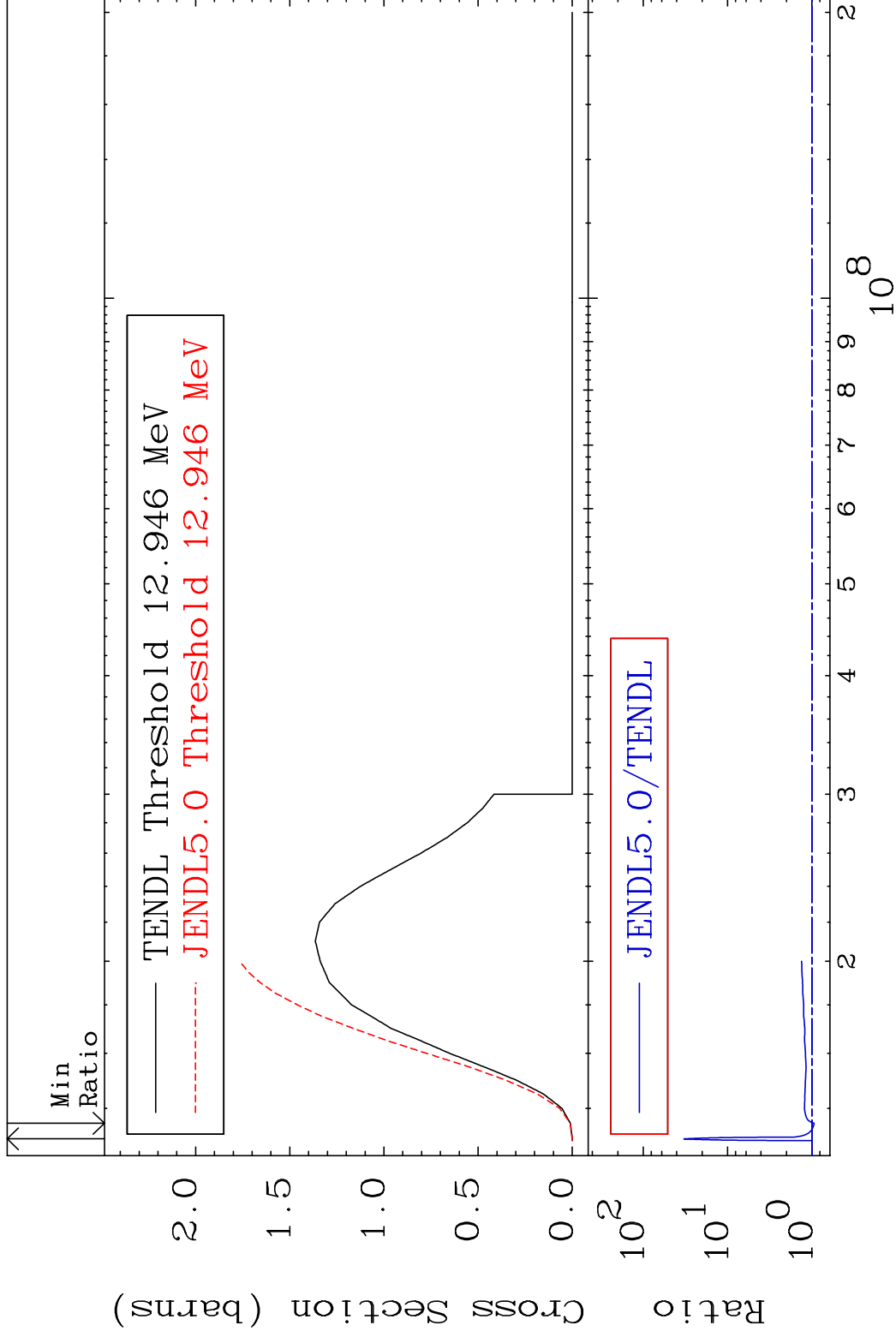
4 Incident Energy (eV) 60-Nd-147

MAT 6040

(n,3n)

60-Nd-147

Cross Section -6.161 To 3209. %



5

Incident Energy (eV)

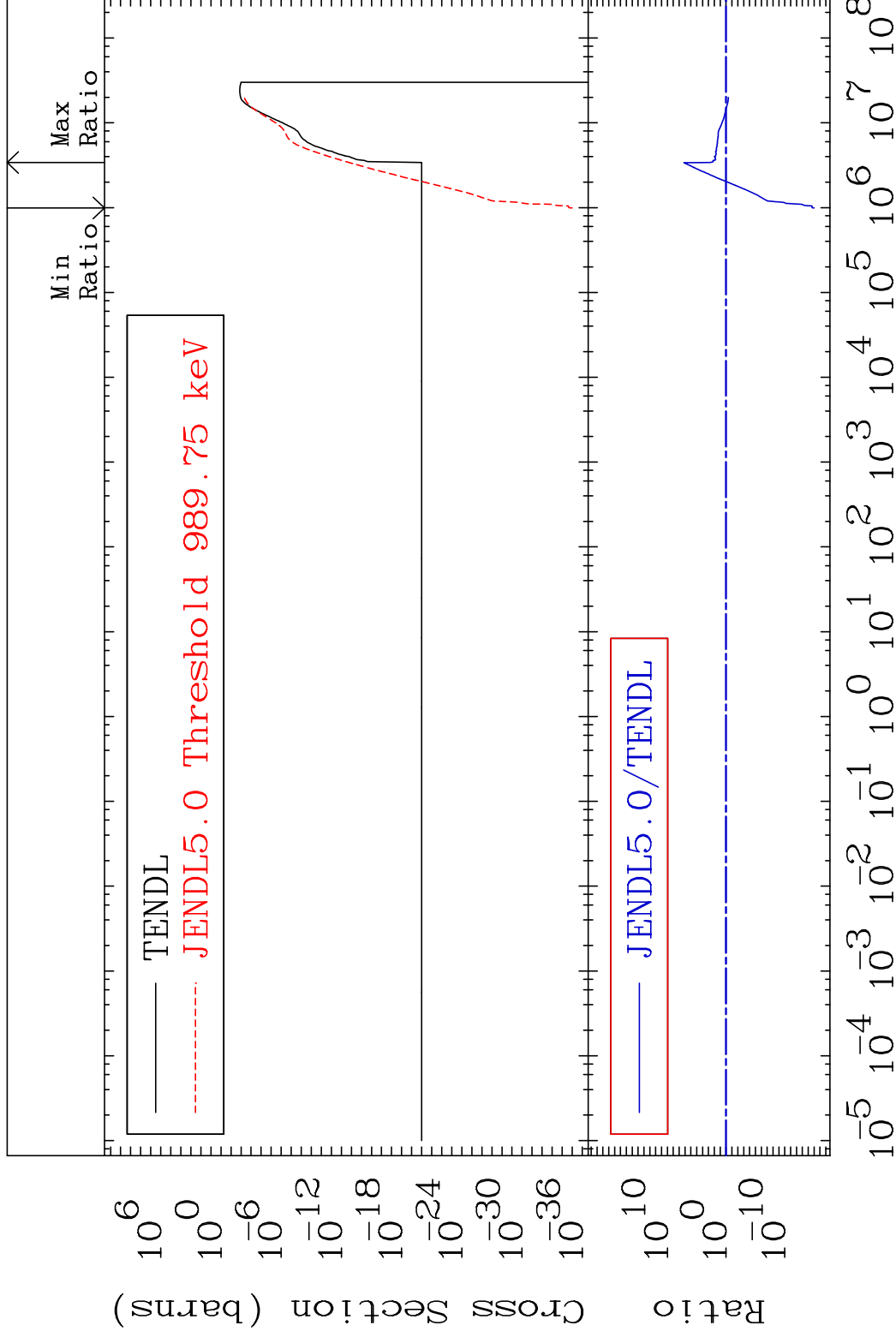
60-Nd-147

MAT 6040

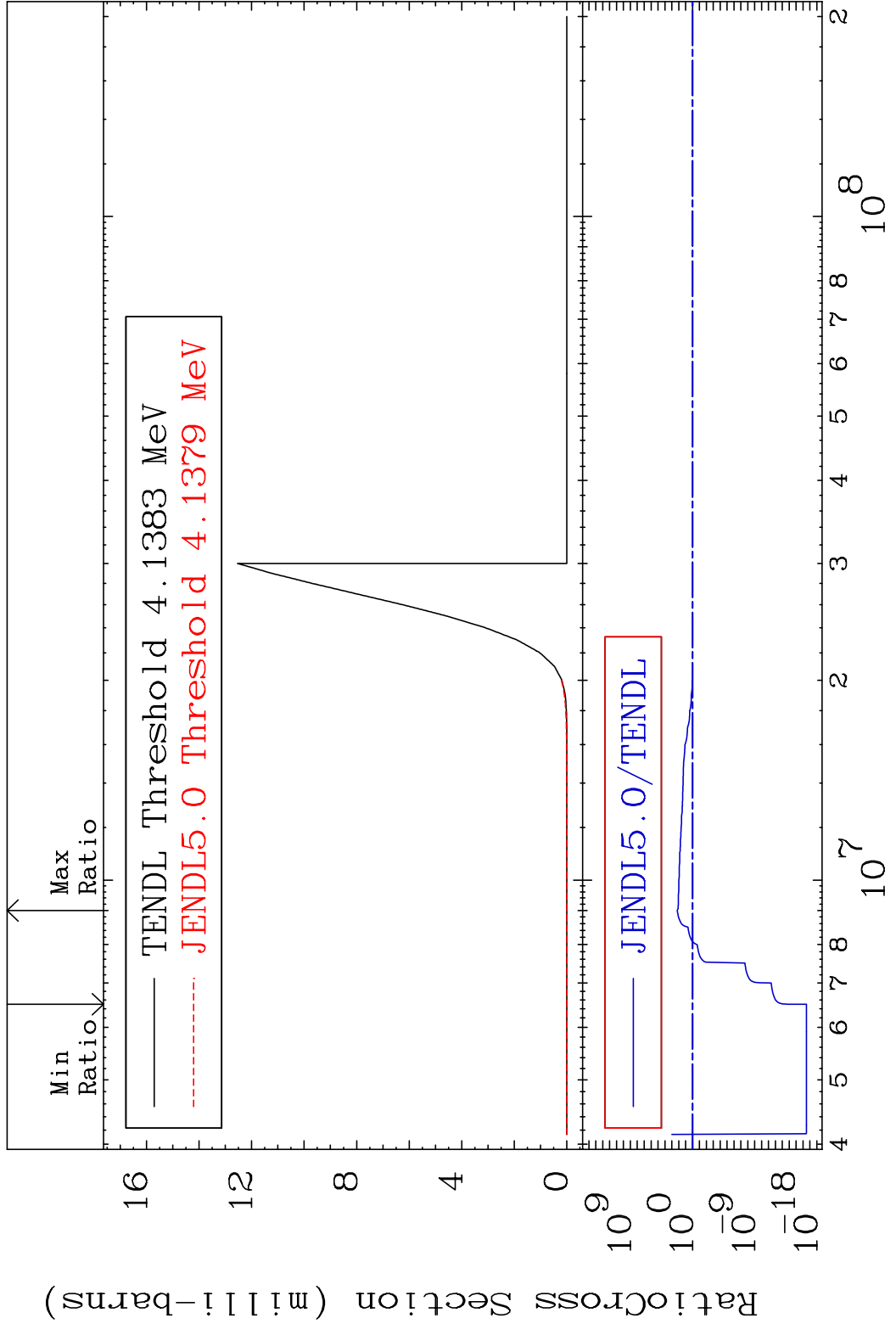
(n, n')  $\alpha$

60-Nd-147

Cross Section -100.0 To 9999. %



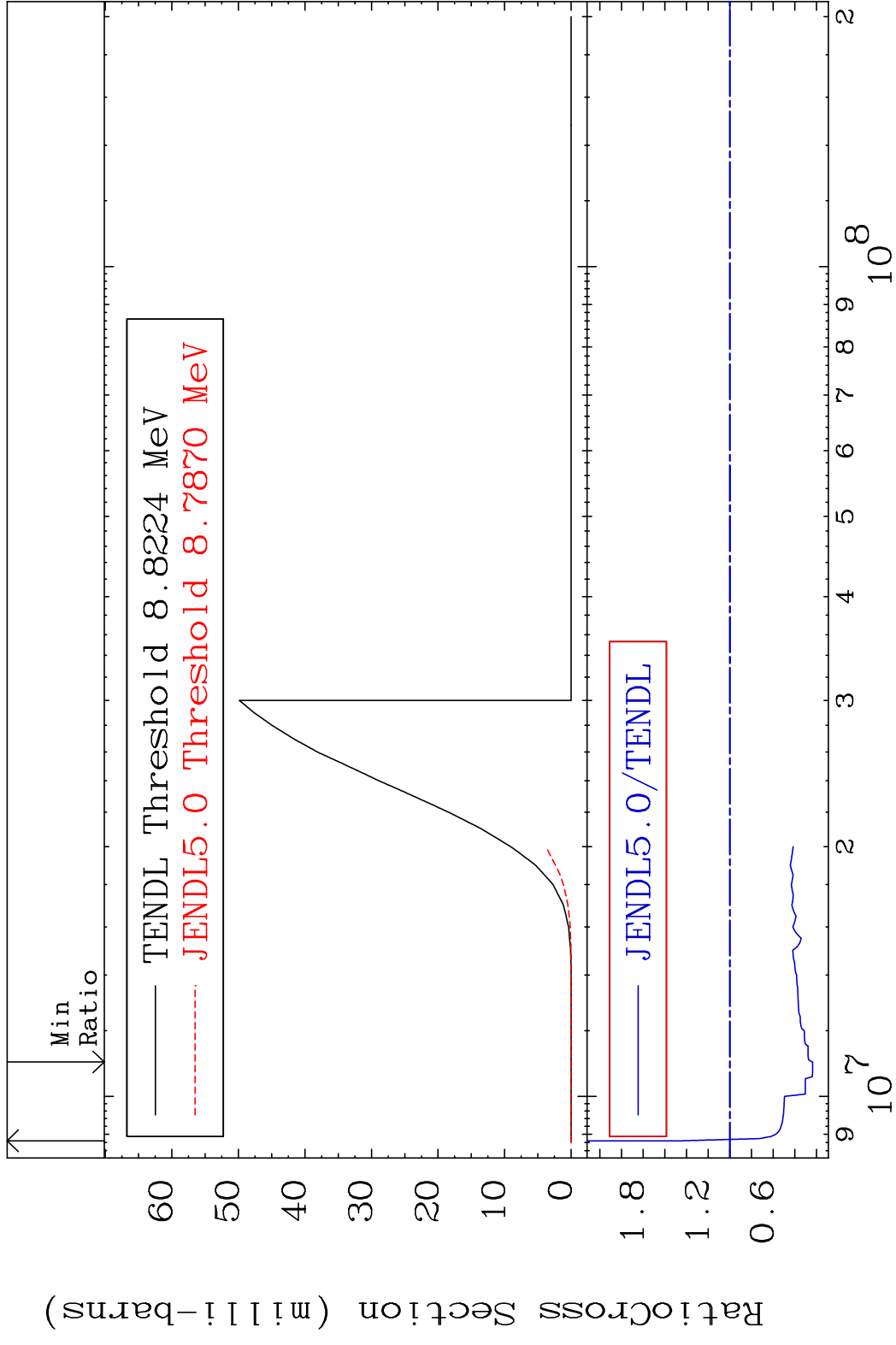
MAT 6040 (n,2n)  $\alpha$  60-Nd-147  
 Cross Section -100.0 To 9999. %



7 Incident Energy (eV) 60-Nd-147

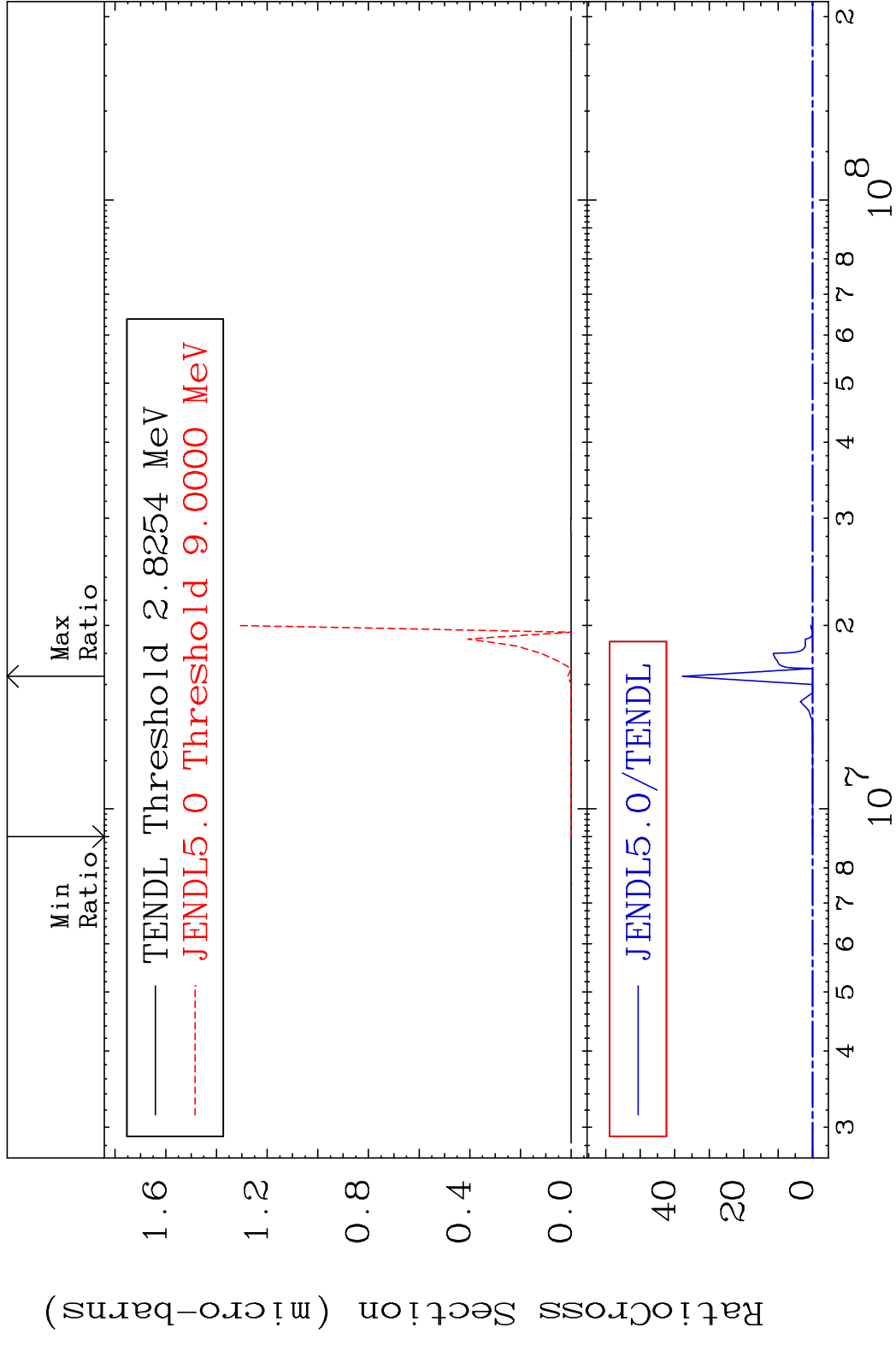


MAT 6040 (n, n') p 60-Nd-147  
 Cross Section -76.31 To 43.81 %



8 8 Incident Energy (eV) 60-Nd-147

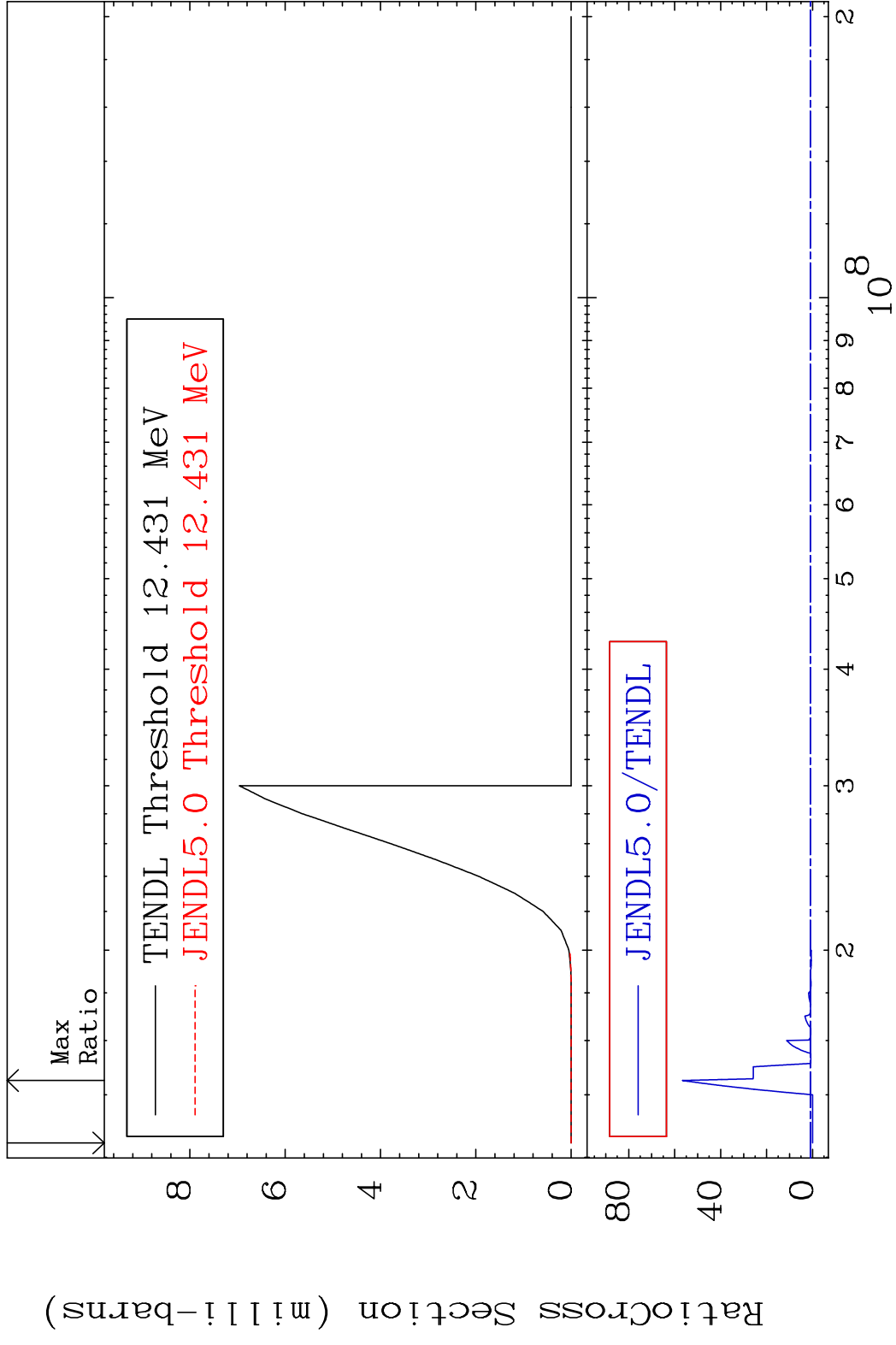
MAT 6040 (n,2n) 2α 60-Nd-147  
 Cross Section -100.0 To 9999. %



9 Incident Energy (eV) 60-Nd-147



MAT 6040 (n, n') t 60-Nd-147  
 Cross Section -100.0 To 5566. %

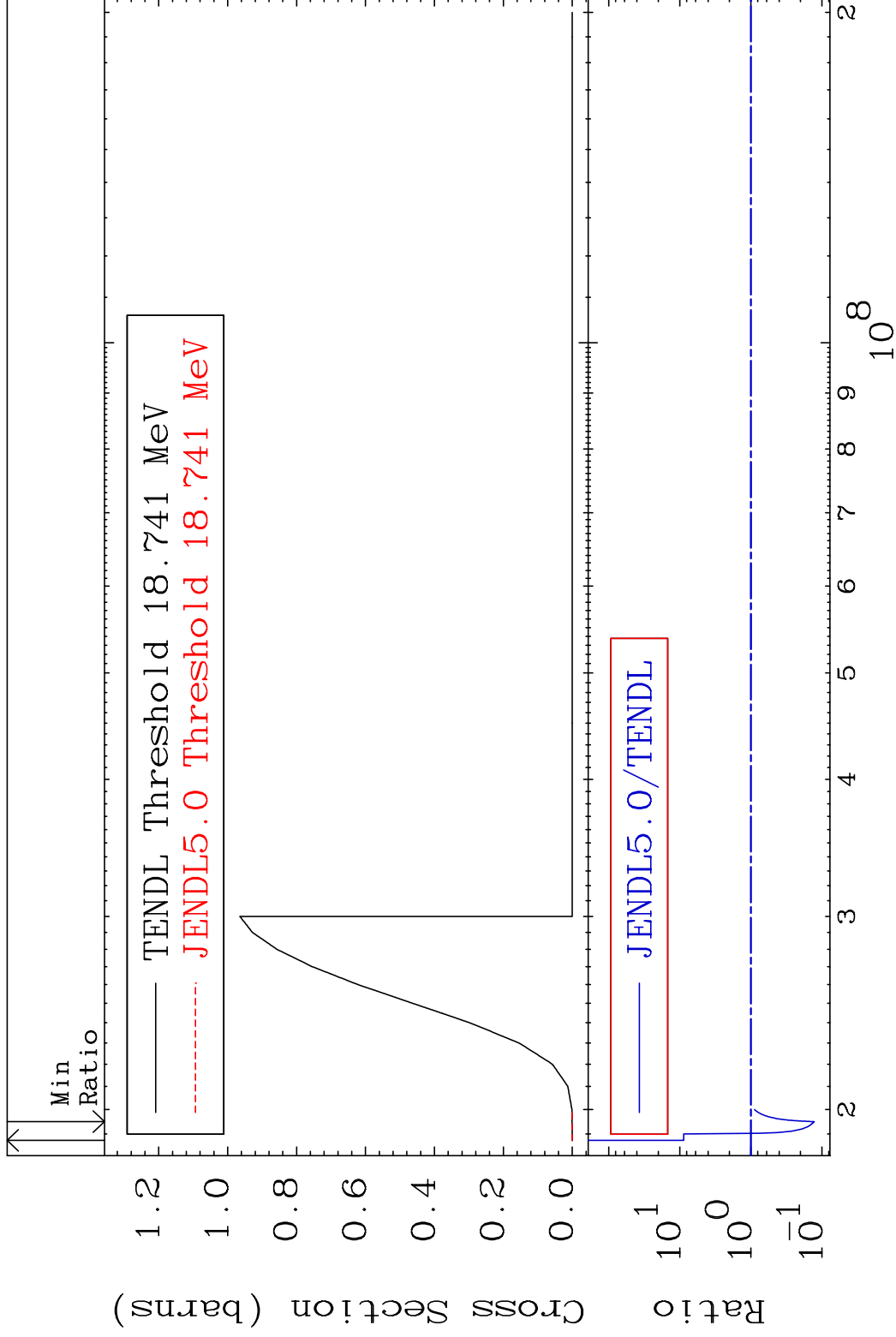


MAT 6040

(n,4n)

60-Nd-147

Cross Section -87.12 To 781.4 %

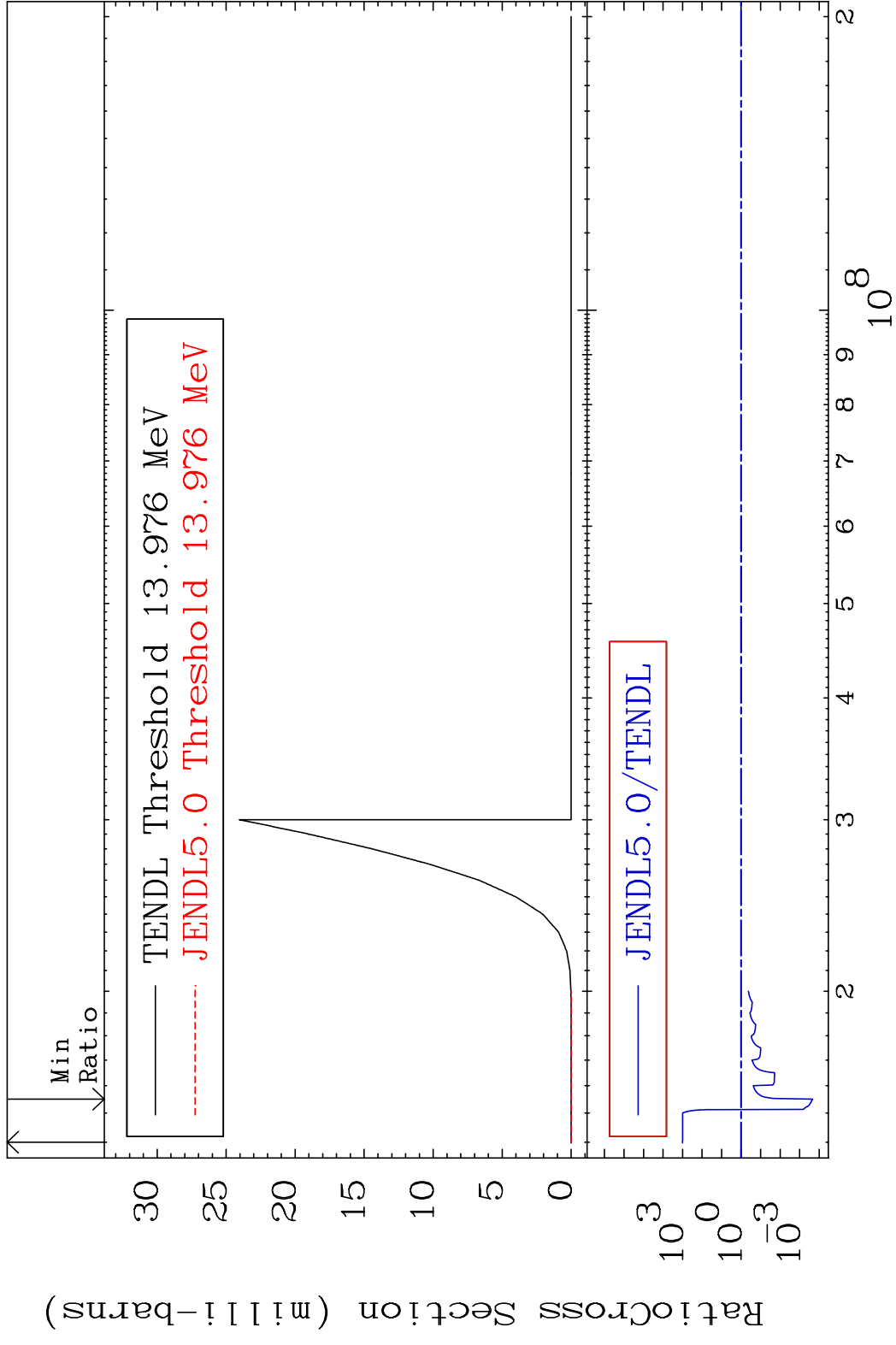


12

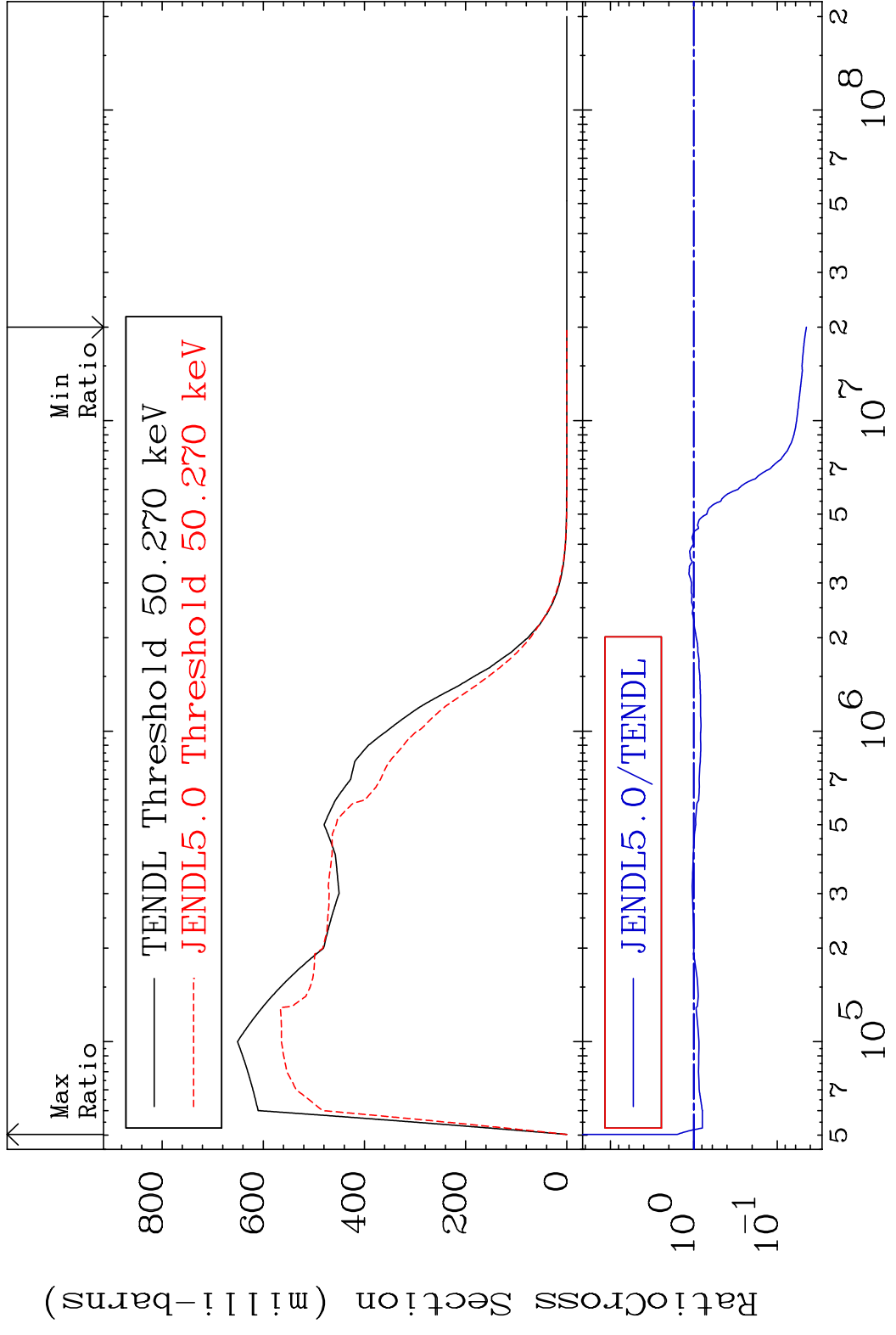
Incident Energy (eV)

60-Nd-147

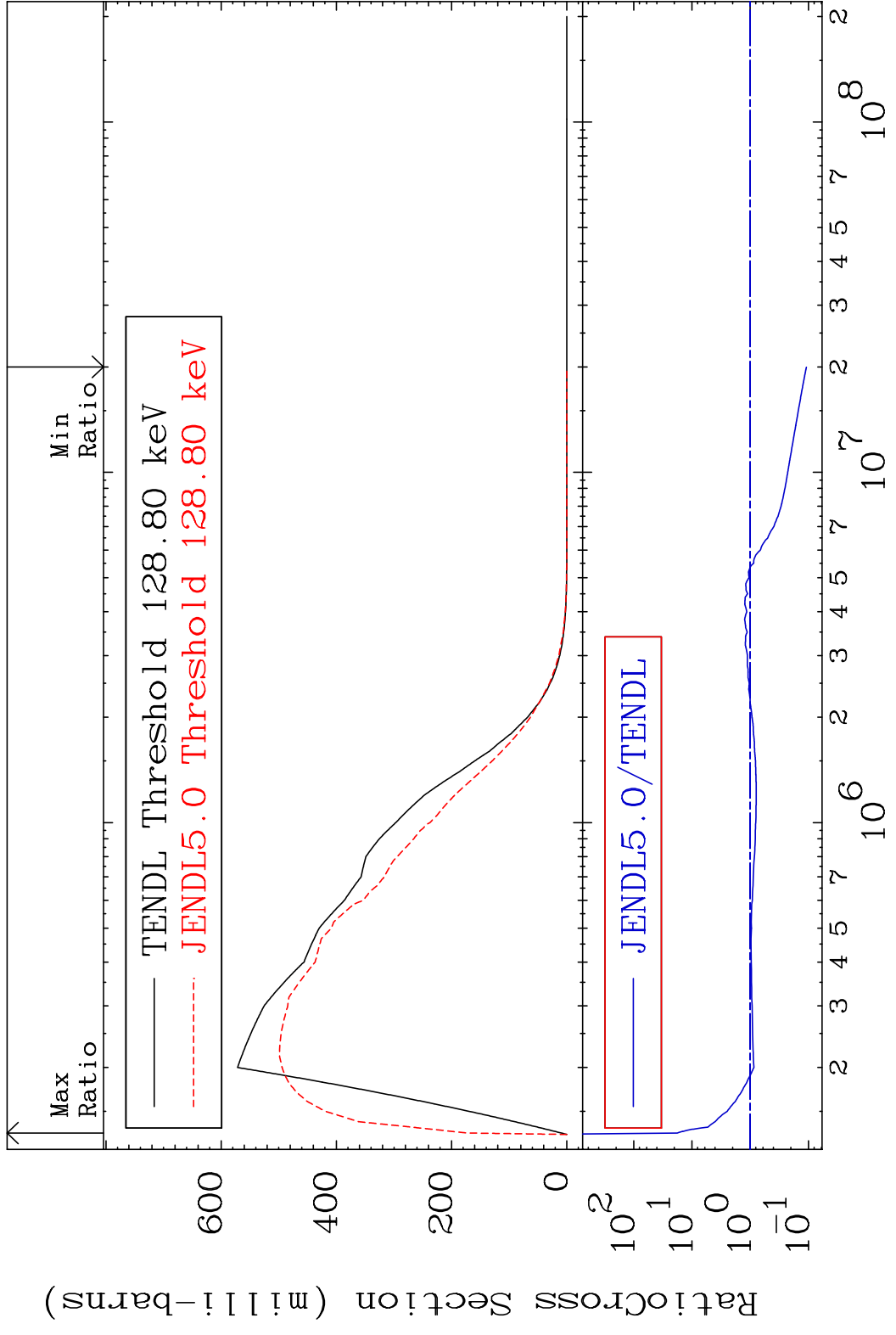
MAT 6040 (n,2n) p 60-Nd-147  
 Cross Section -99.98 To 9999. %



MAT 6040 MT= 51 (n, n') Level 60-Nd-147  
 Cross Section -95.54 To 58.36 %

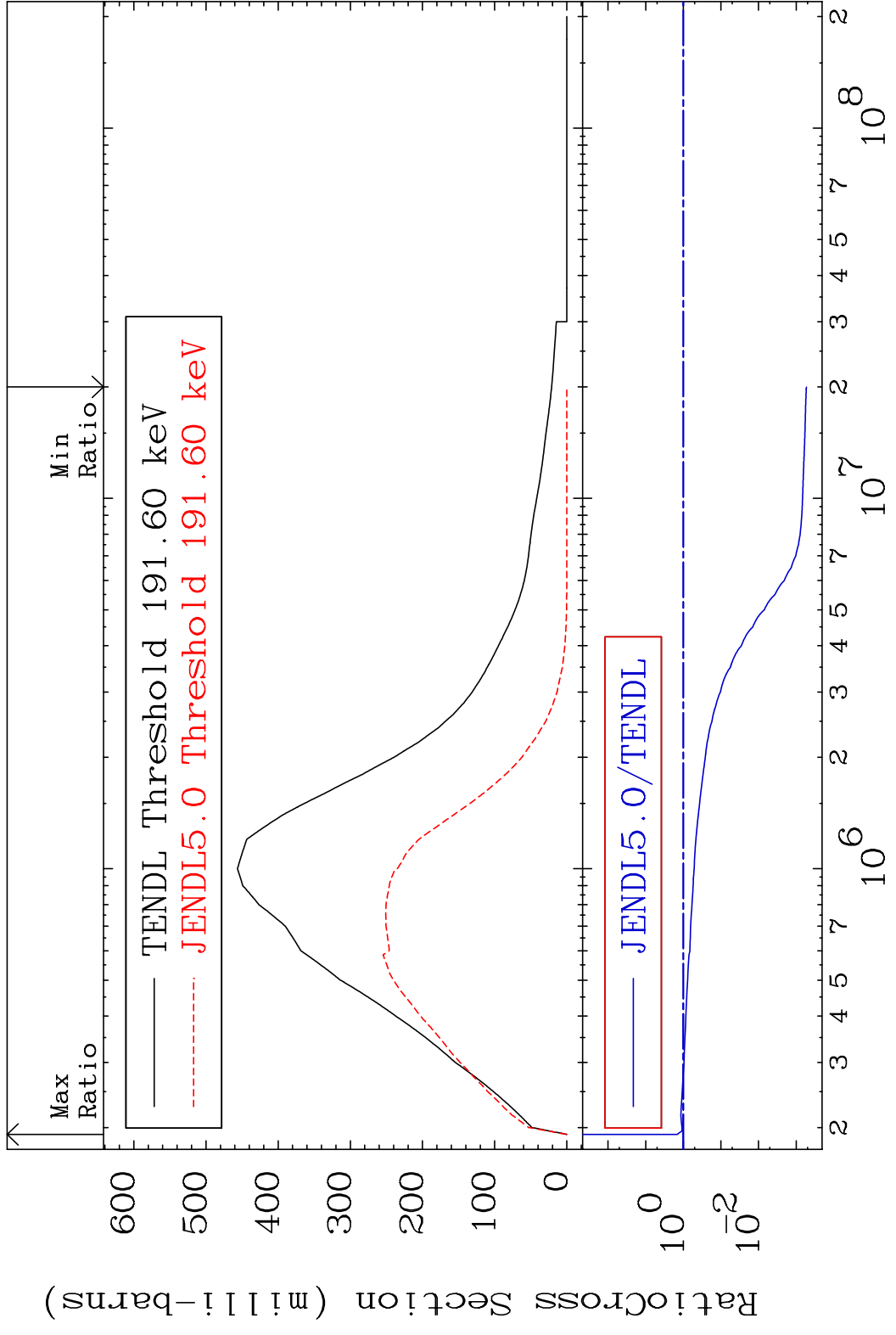


MAT 6040 MT= 52 (n,n') Level 60-Nd-147  
 Cross Section -89.17 To 1690. %

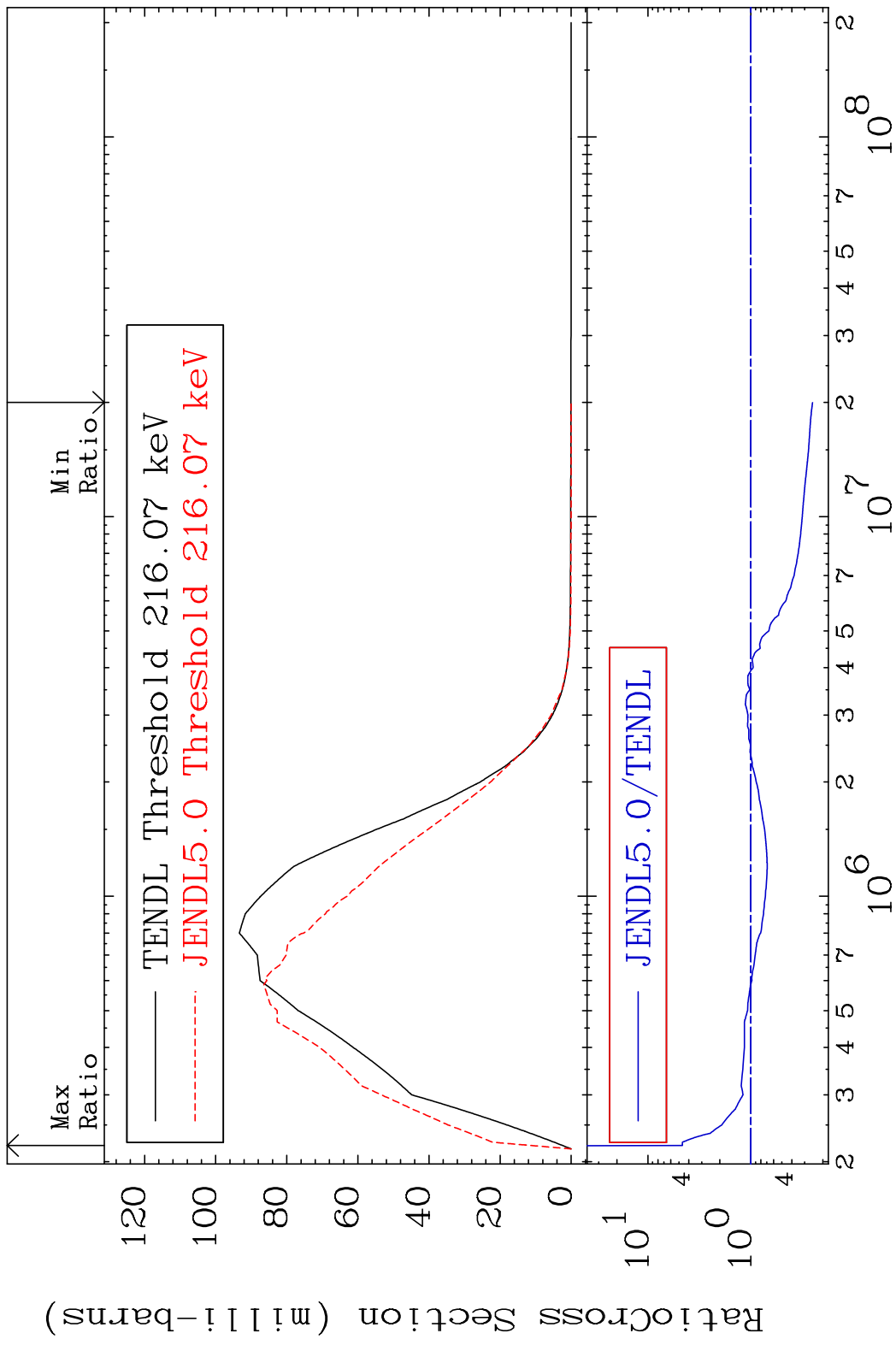




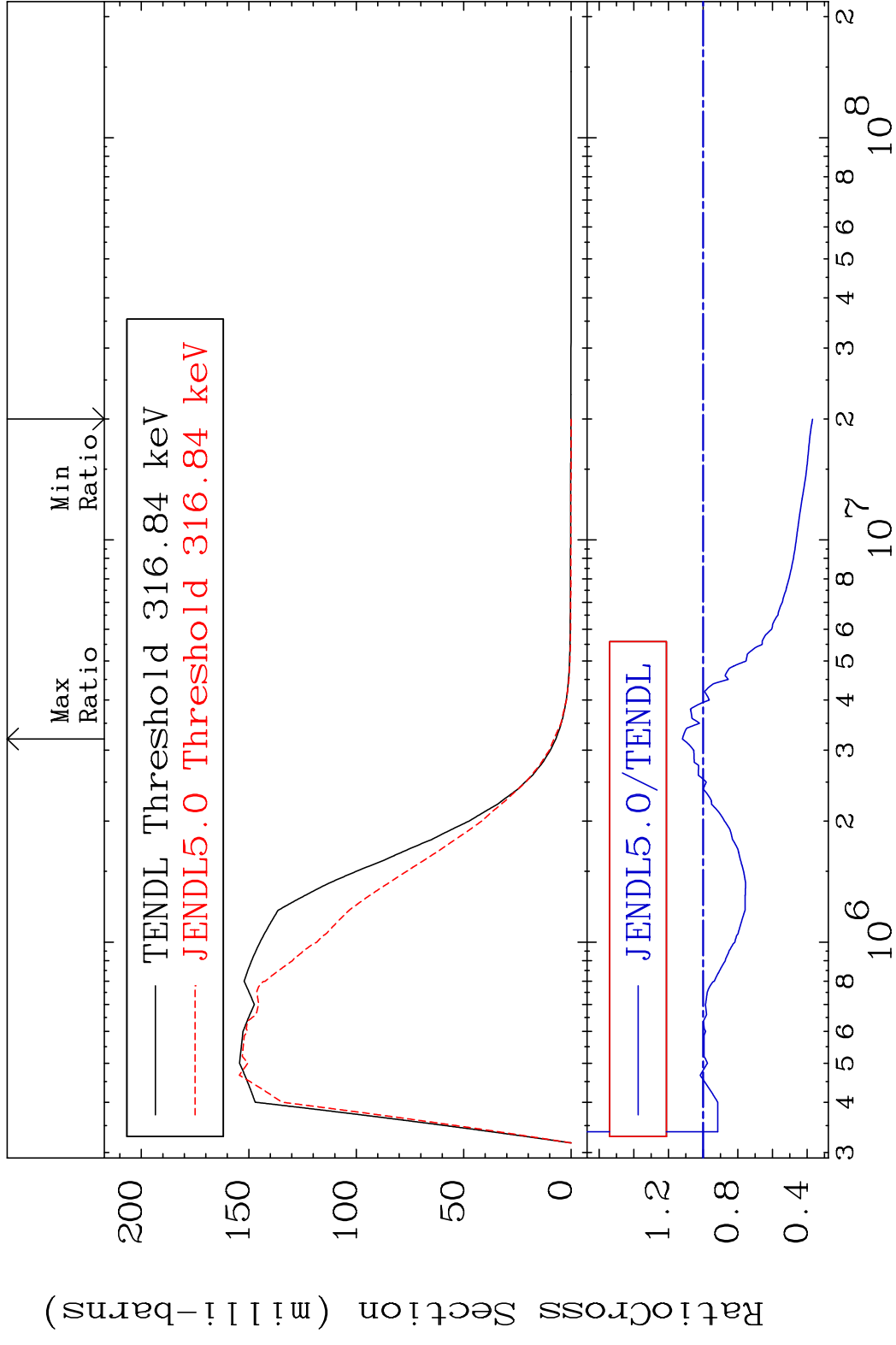
MAT 6040 MT= 53 (n, n') Level 60-Nd-147  
 Cross Section -99.95 To 45.43 %



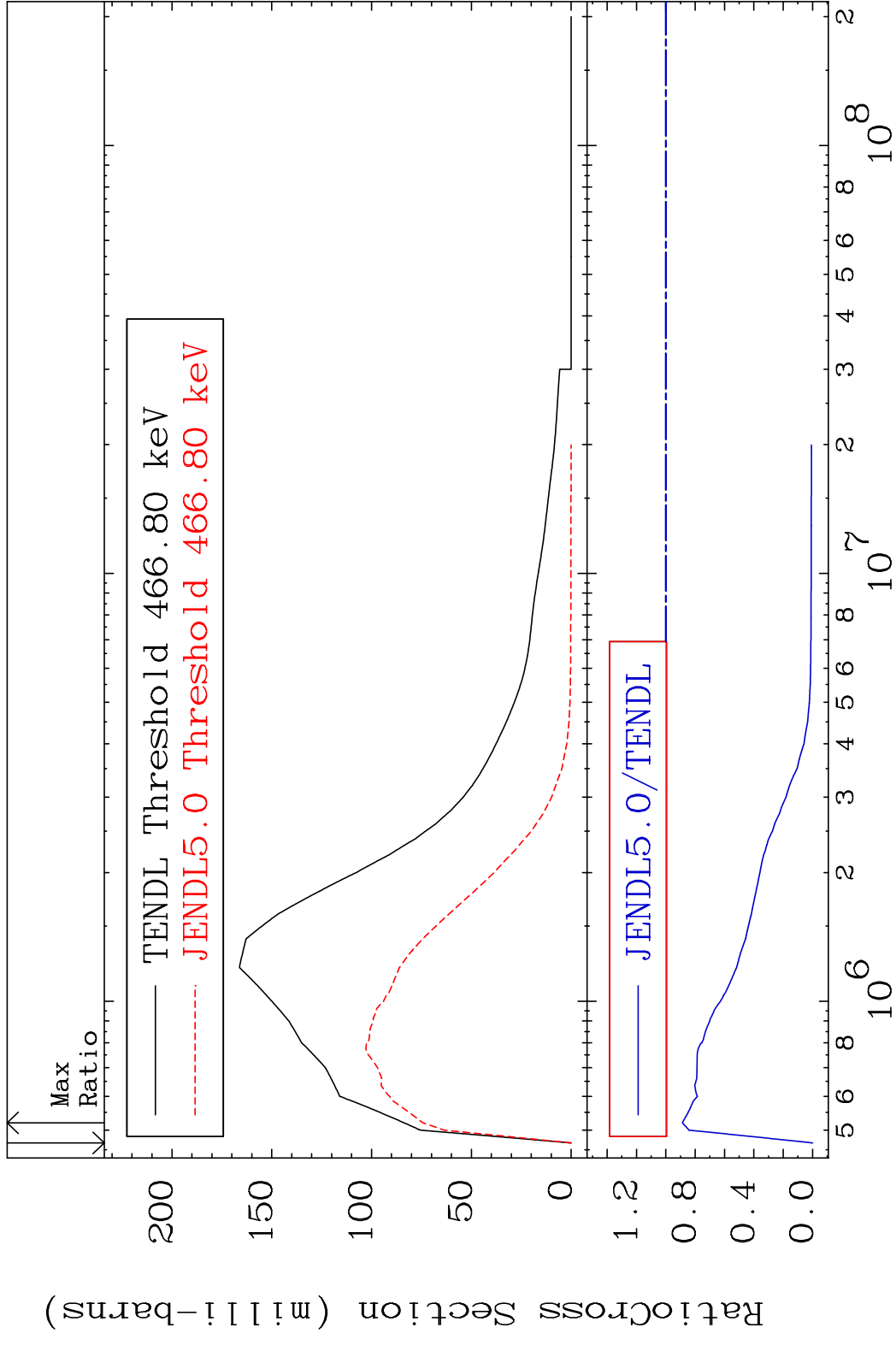
MAT 6040 MT= 54 (n, n') Level 60-Nd-147  
 Cross Section -74.83 To 362.8 %



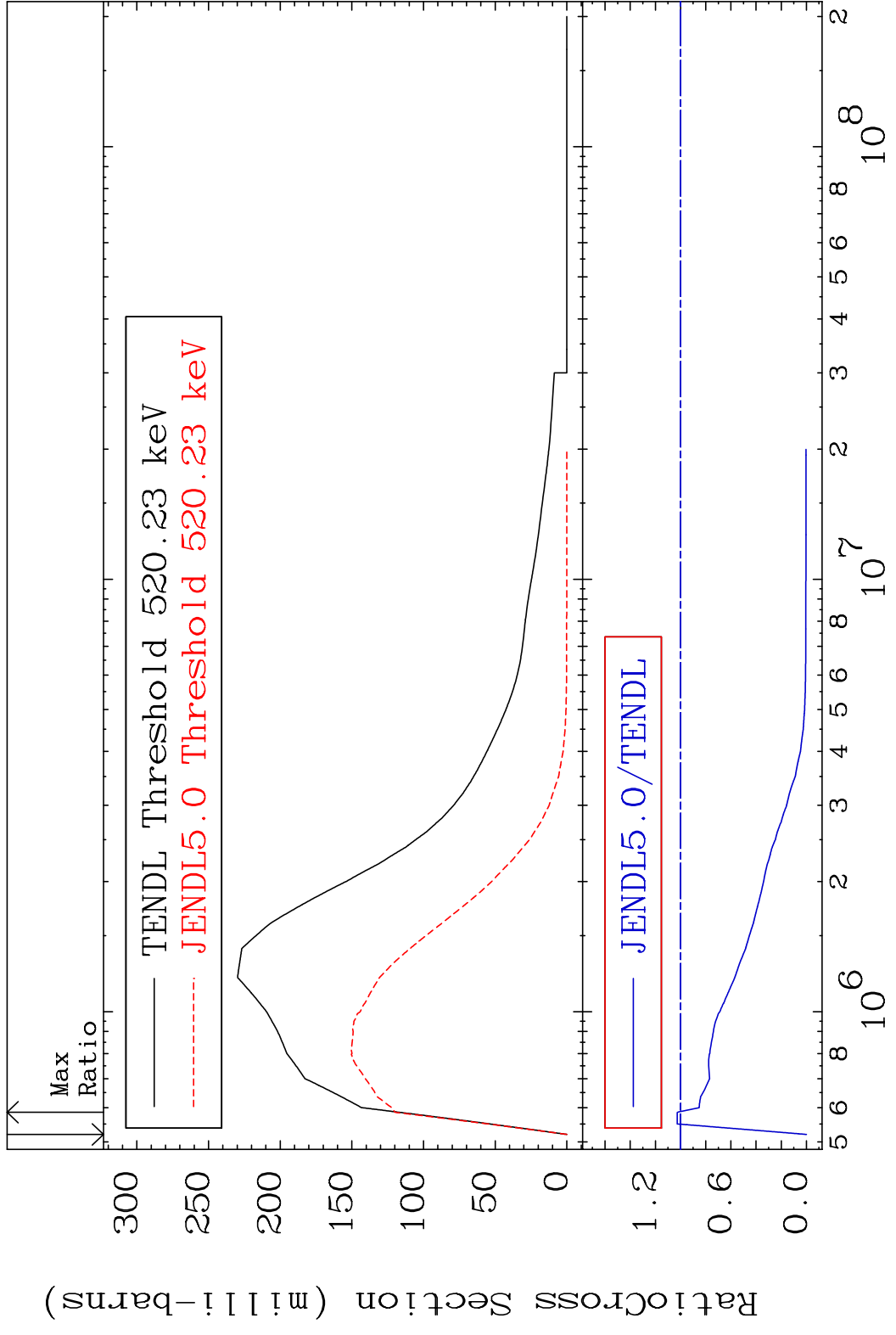
MAT 6040 MT= 55 (n,n') Level 60-Nd-147  
 Cross Section -63.16 To 11.97 %



MAT 6040 MT= 56 (n,n') Level 60-Nd-147  
 Cross Section -100.0 To -11.27%

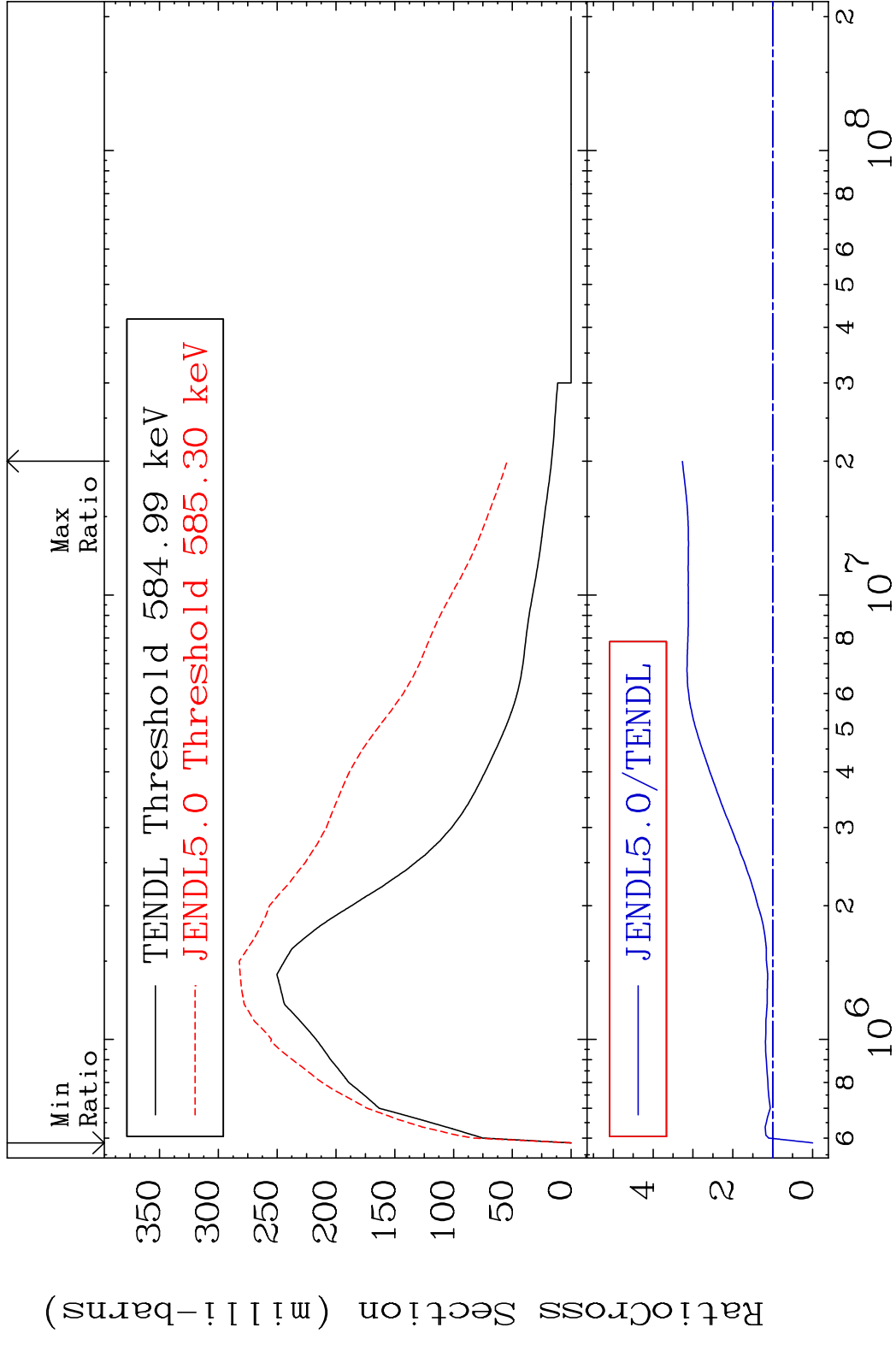


MAT 6040 MT= 57 (n,n') Level 60-Nd-147  
 Cross Section -100.0 To 2.674 %

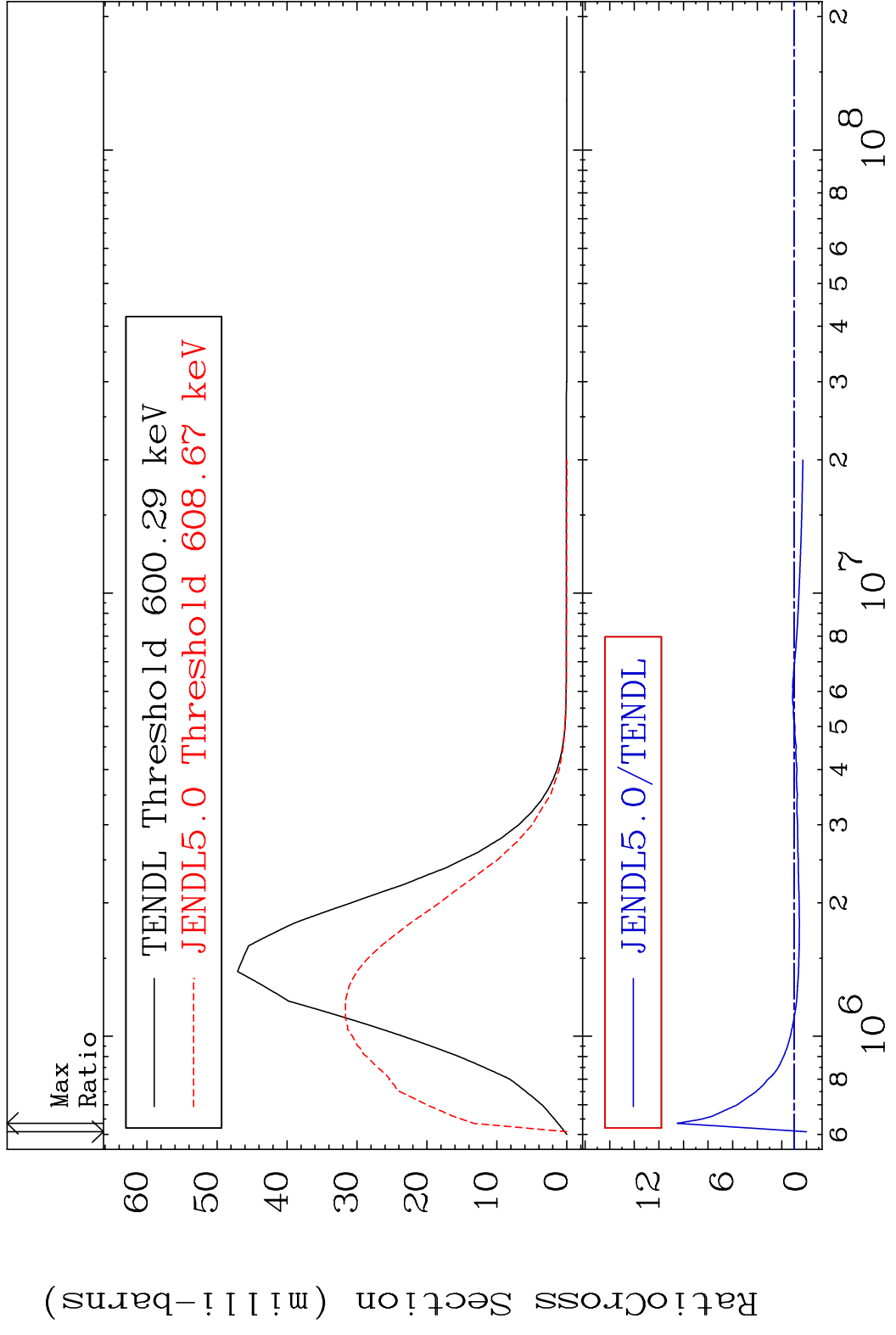


20 60-Nd-147

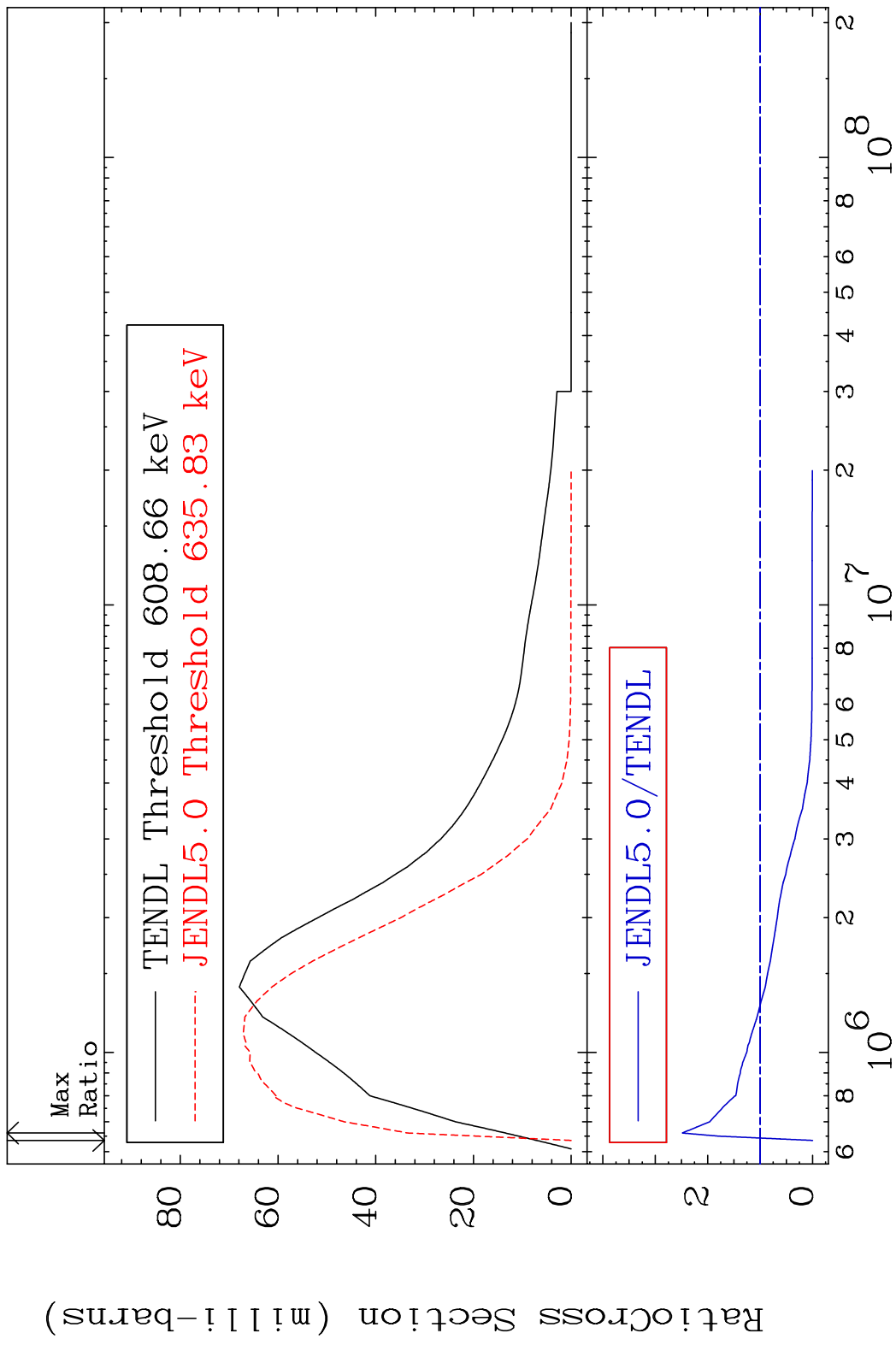
MAT 6040 MT= 58 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 226.7 %



MAT 6040 MT= 59 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 951.2 %

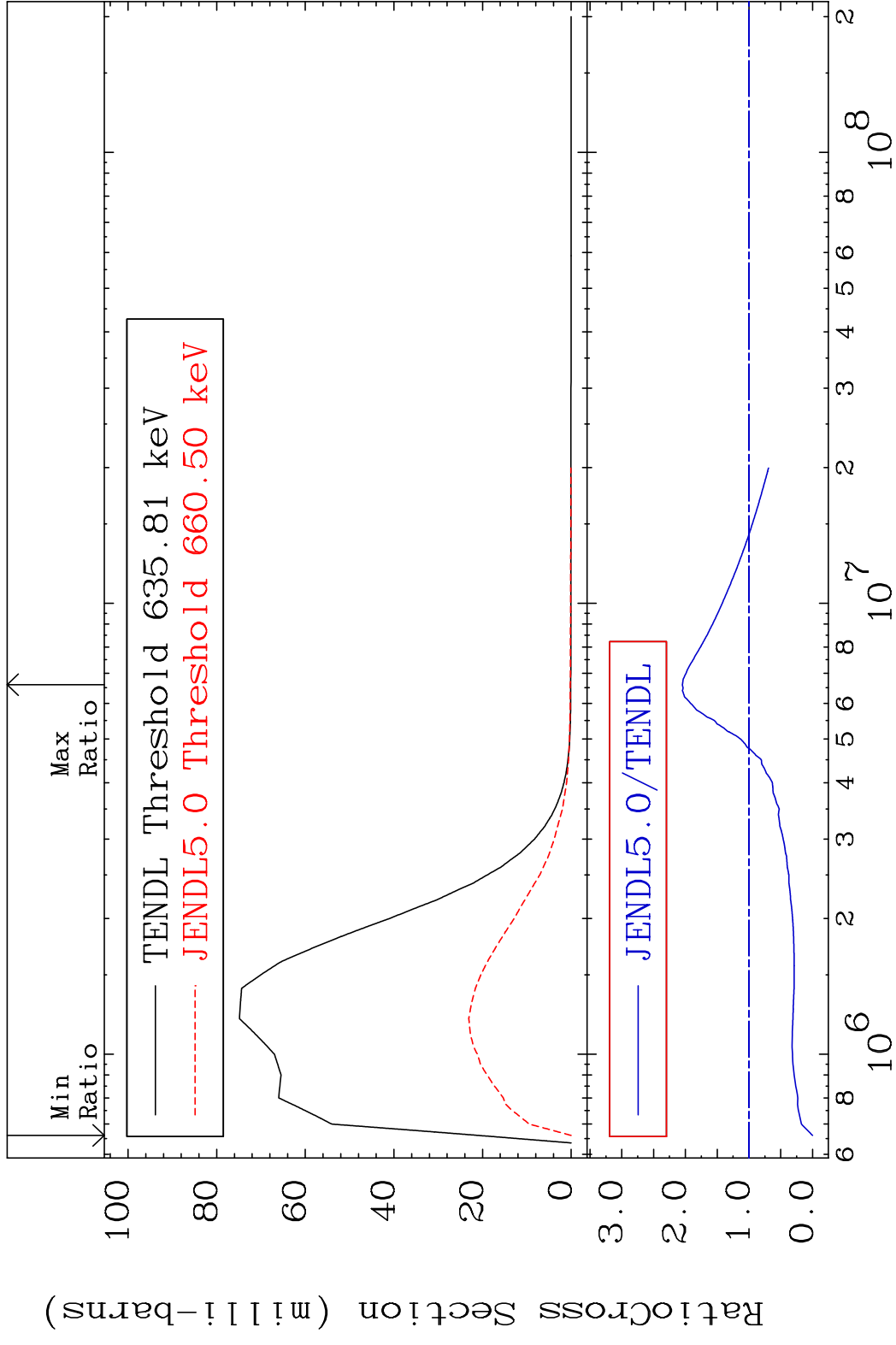


MAT 6040 MT= 60 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 148.3 %

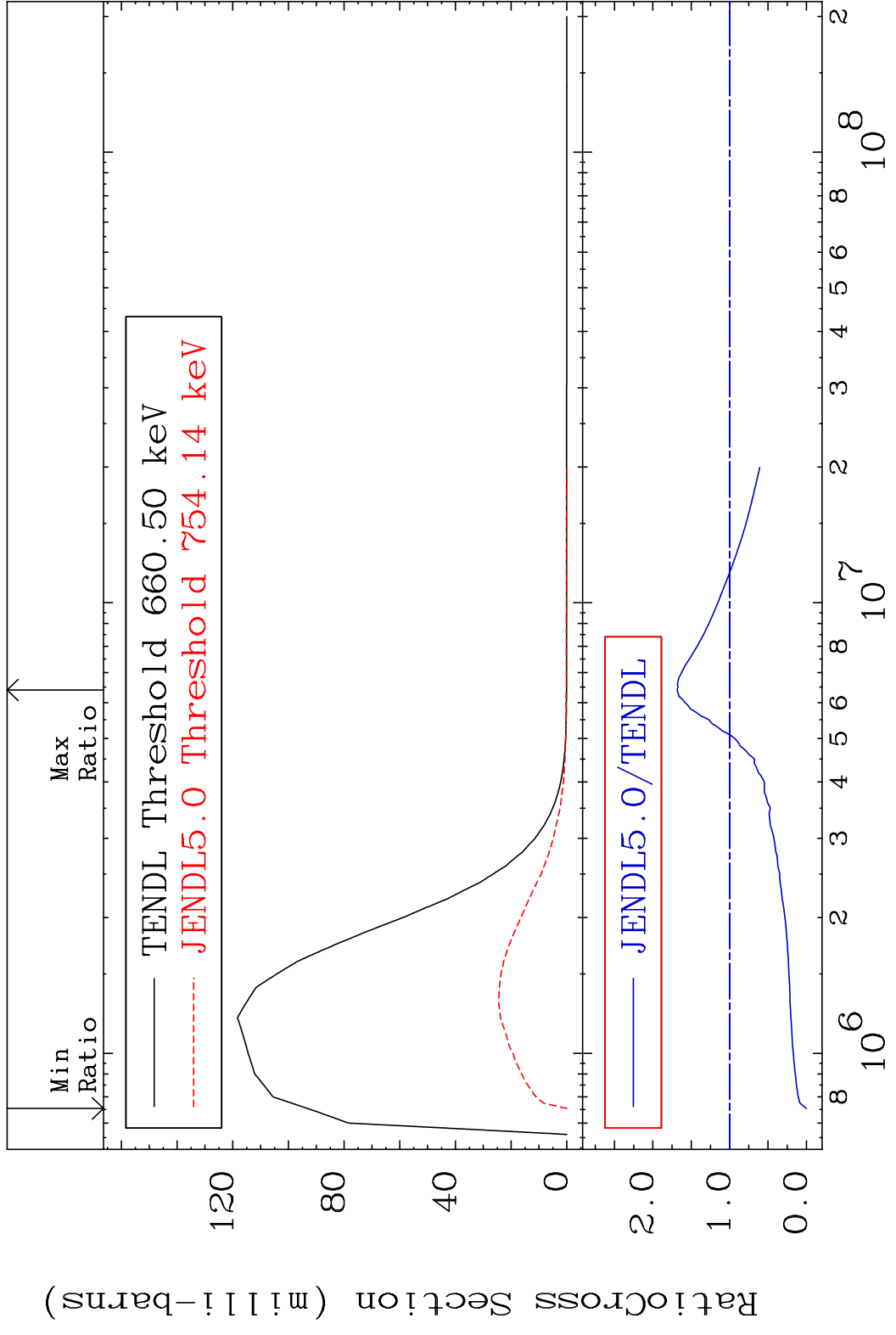




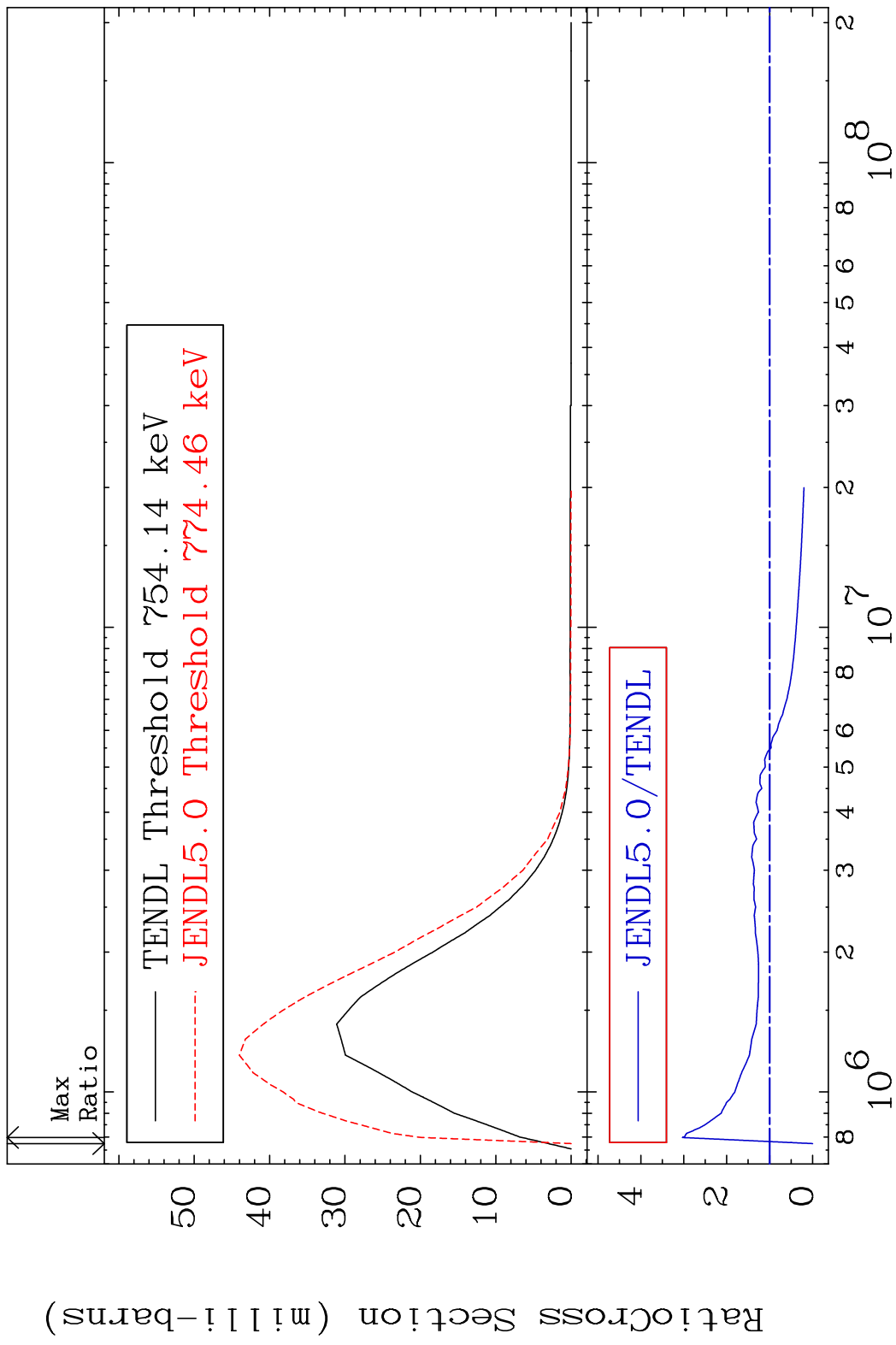
MAT 6040 MT= 61 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 104.8 %



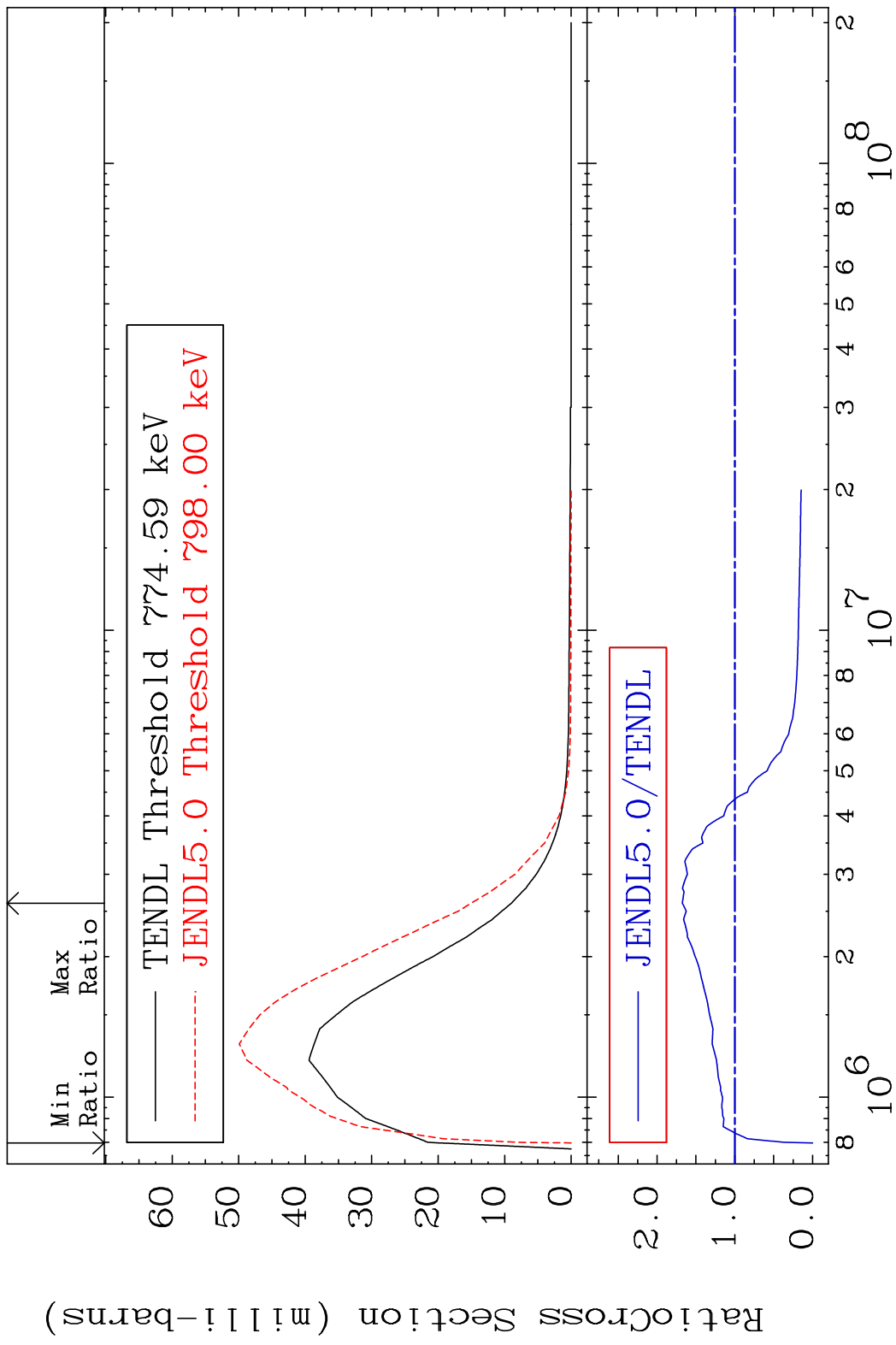
MAT 6040 MT= 62 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 68.30 %



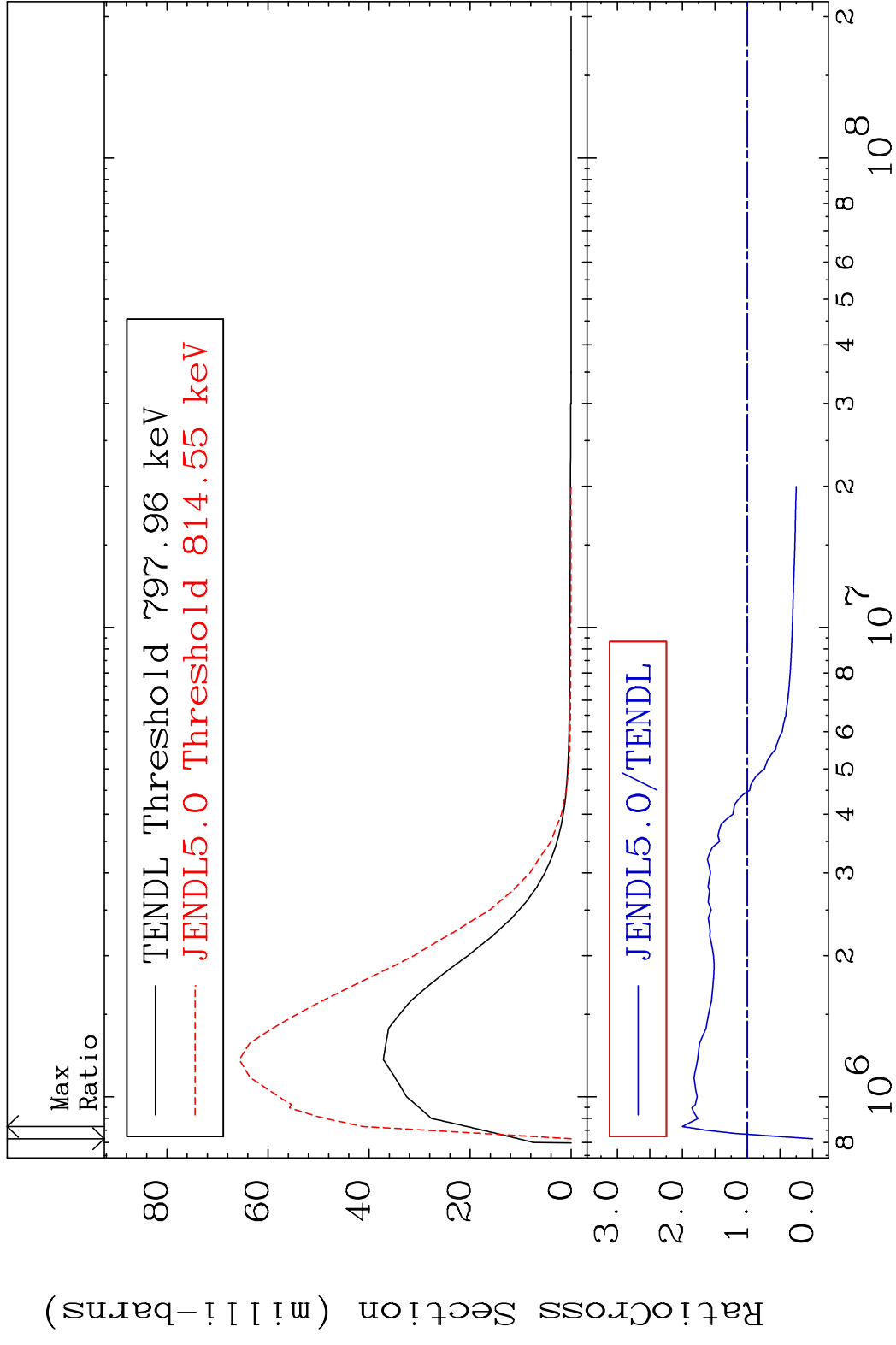
MAT 6040 MT= 63 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 203.3 %



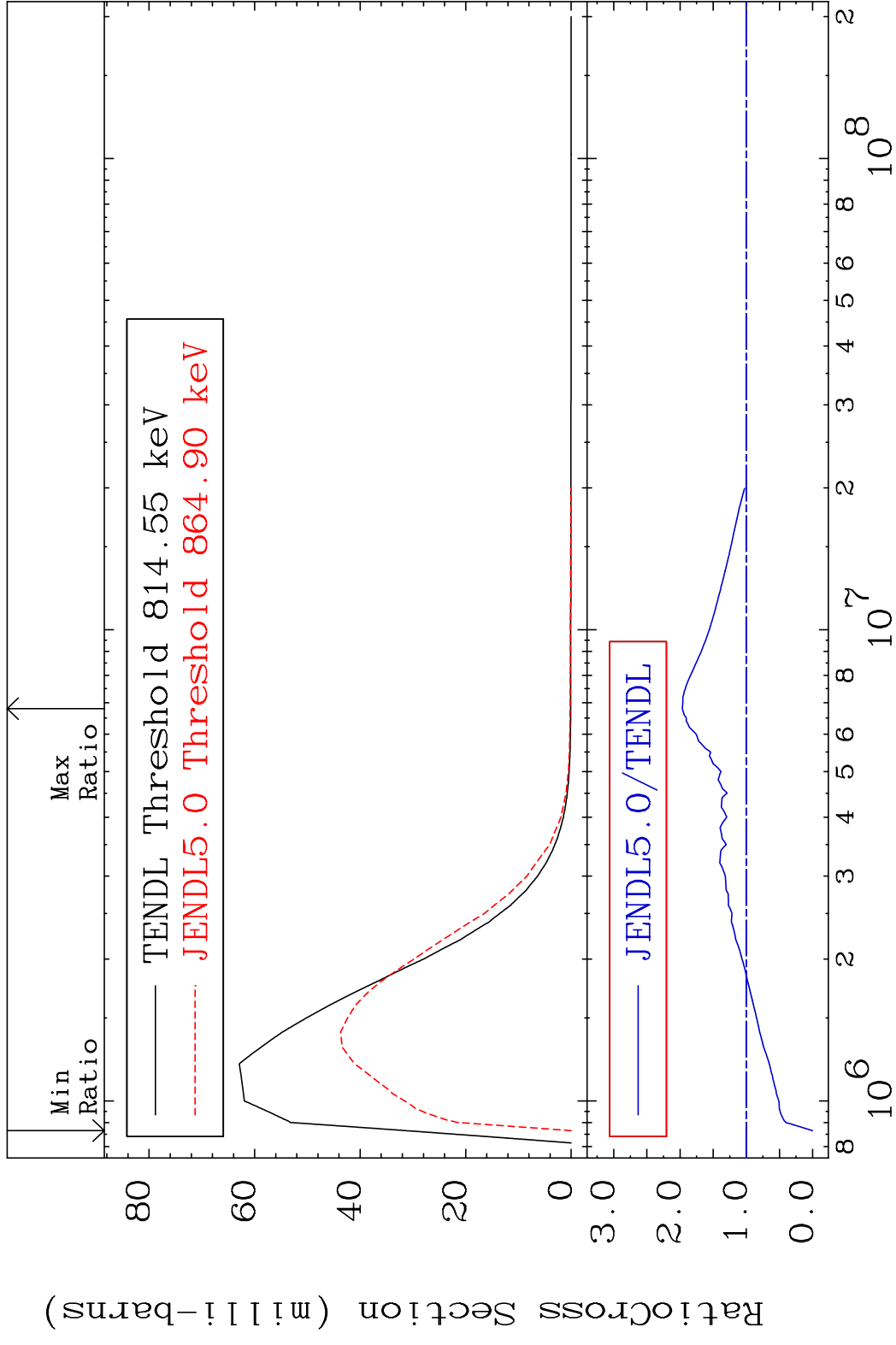
MAT 6040 MT= 64 (n,n') Level 60-Nd-147  
 Cross Section -100.0 To 67.49 %



MAT 6040 MT= 65 (n,n') Level 60-Nd-147  
 Cross Section -100.0 To 100.0 %

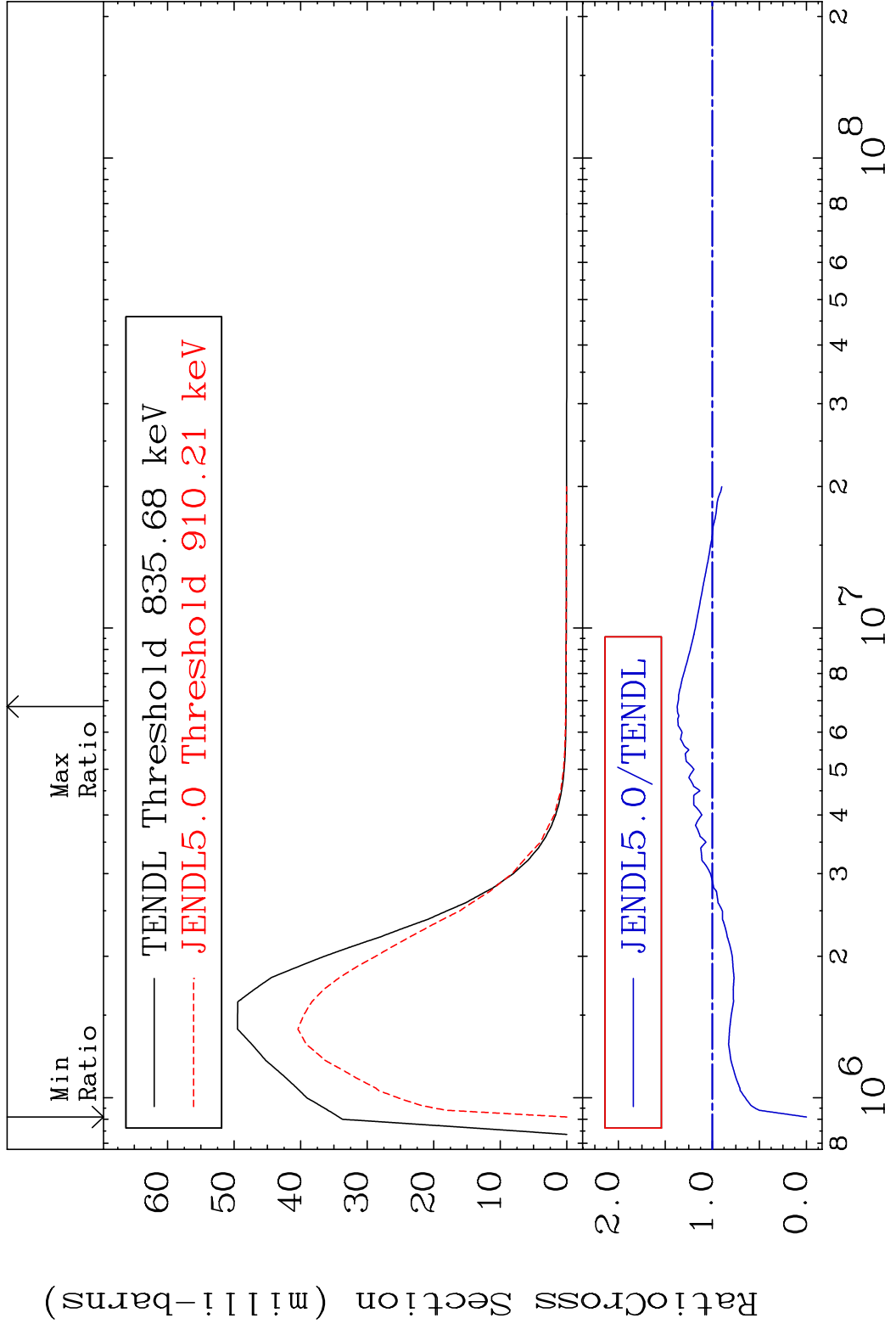


MAT 6040 MT= 66 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 96.50 %



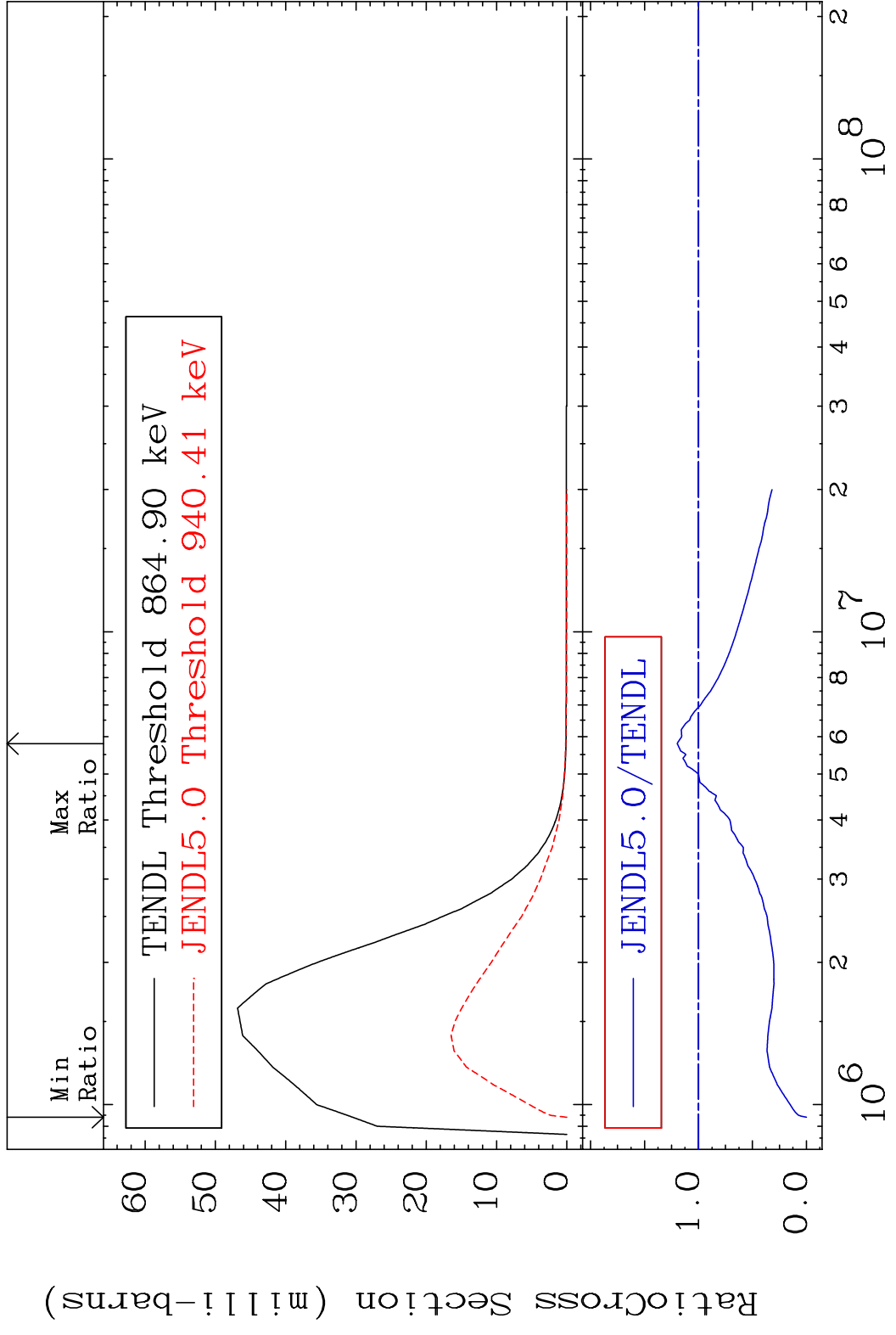
29 Incident Energy (eV) 60-Nd-147

MAT 6040 MT= 67 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 37.40 %



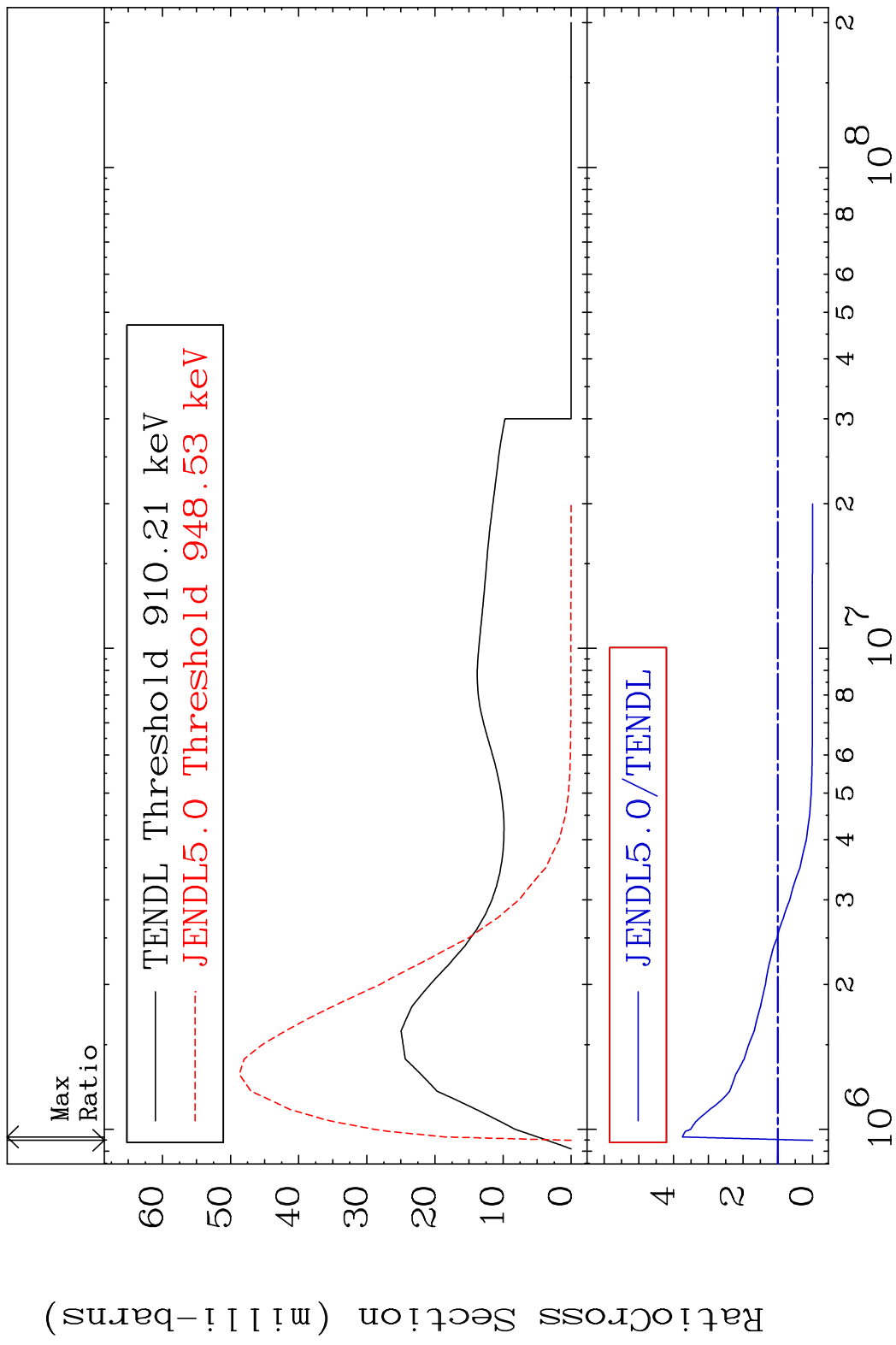
30 Incident Energy (eV) 60-Nd-147

MAT 6040 MT= 68 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 19.75 %



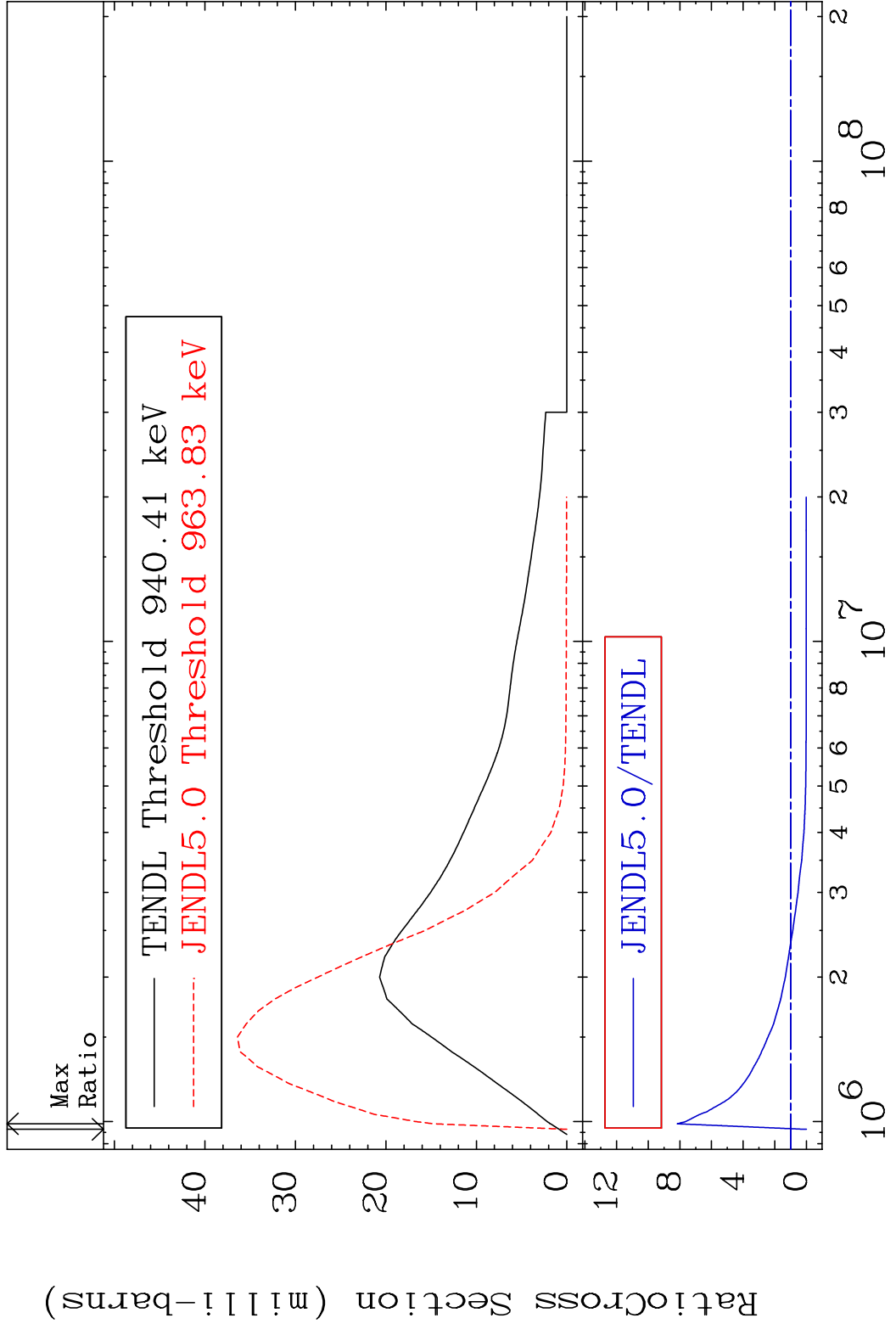


MAT 6040 MT= 69 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 274.8 %



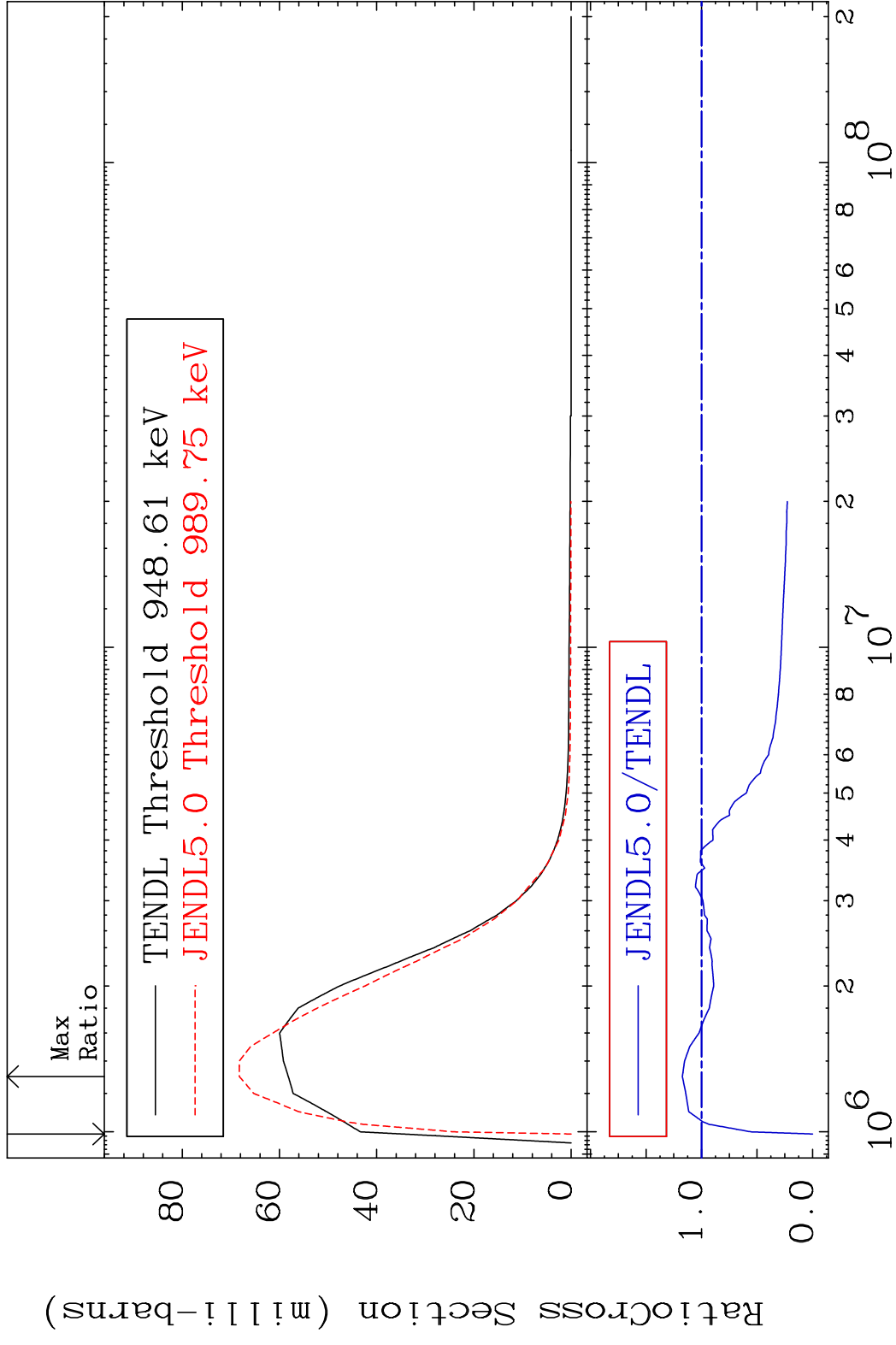
32 60-Nd-147

MAT 6040 MT= 70 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 717.0 %



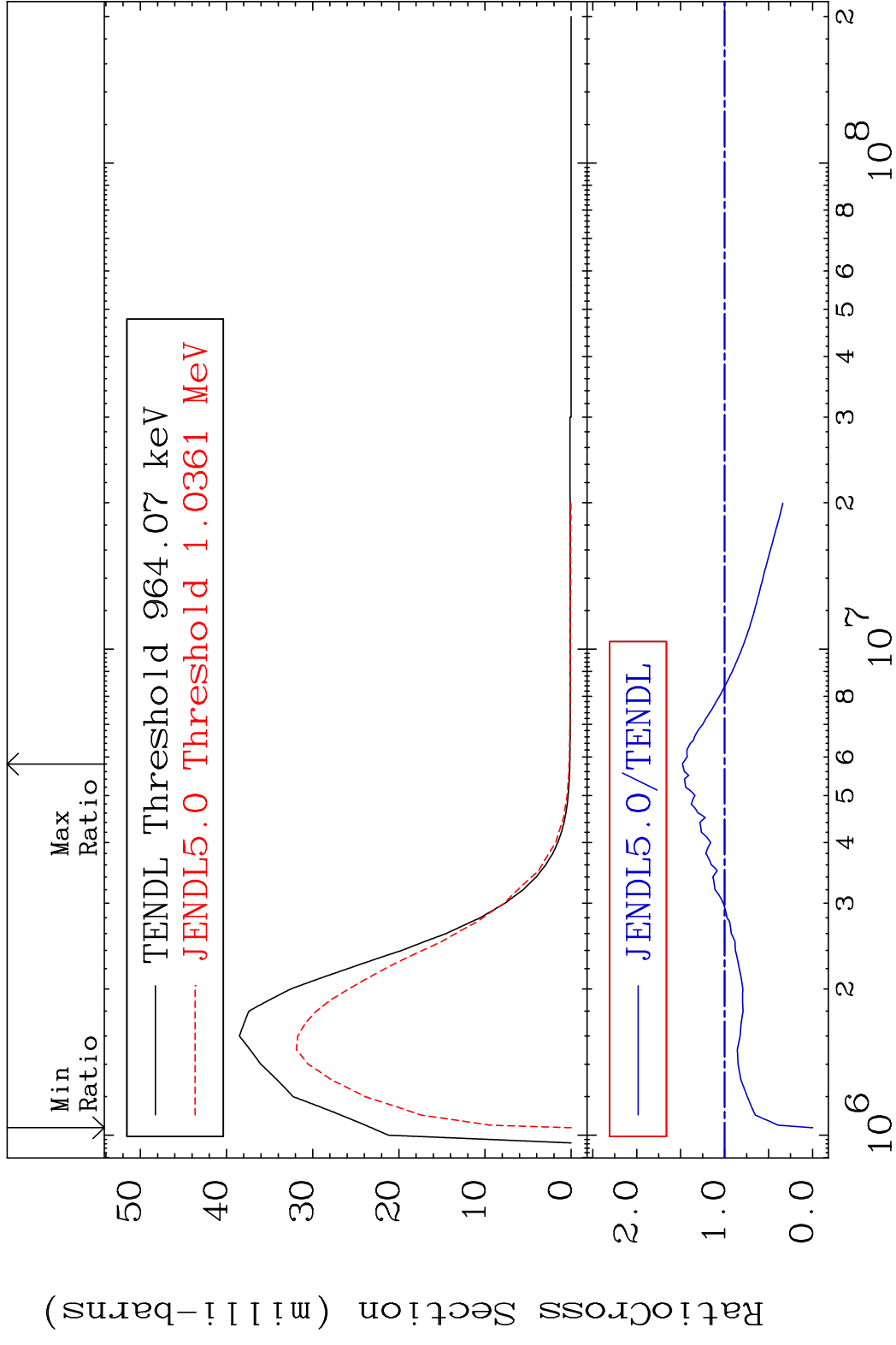
33 Incident Energy (eV) 60-Nd-147

MAT 6040 MT= 71 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To 17.32 %

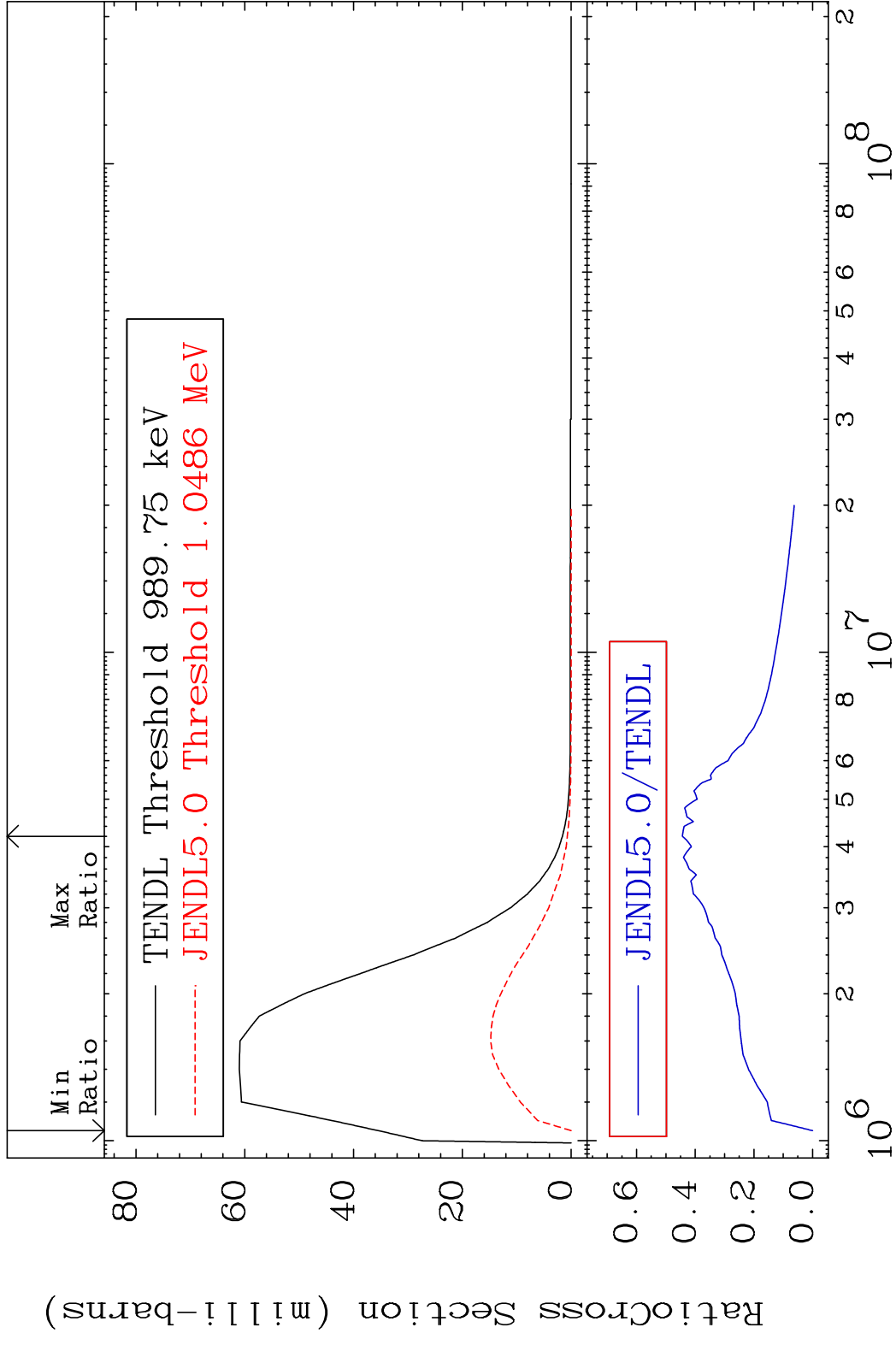


34 Incident Energy (eV) 60-Nd-147

MAT 6040 MT= 72 (n,n') Level 60-Nd-147  
 Cross Section -100.0 To 48.09 %



MAT 6040 MT= 73 (n, n') Level 60-Nd-147  
 Cross Section -100.0 To -55.61%

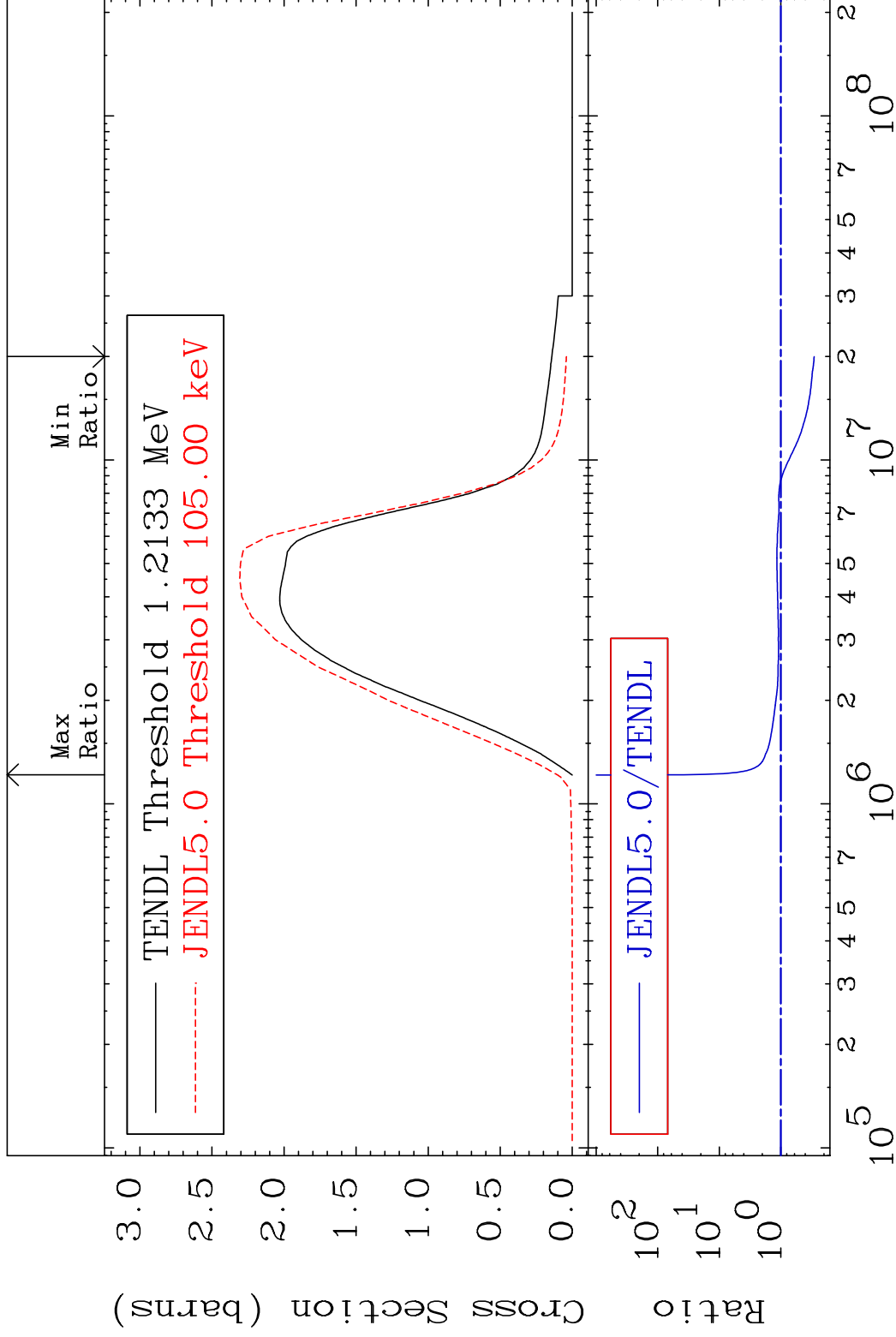


MAT 6040

(n, n') Continuum

60-Nd-147

Cross Section -71.18 To 3686. %



37

Incident Energy (eV)

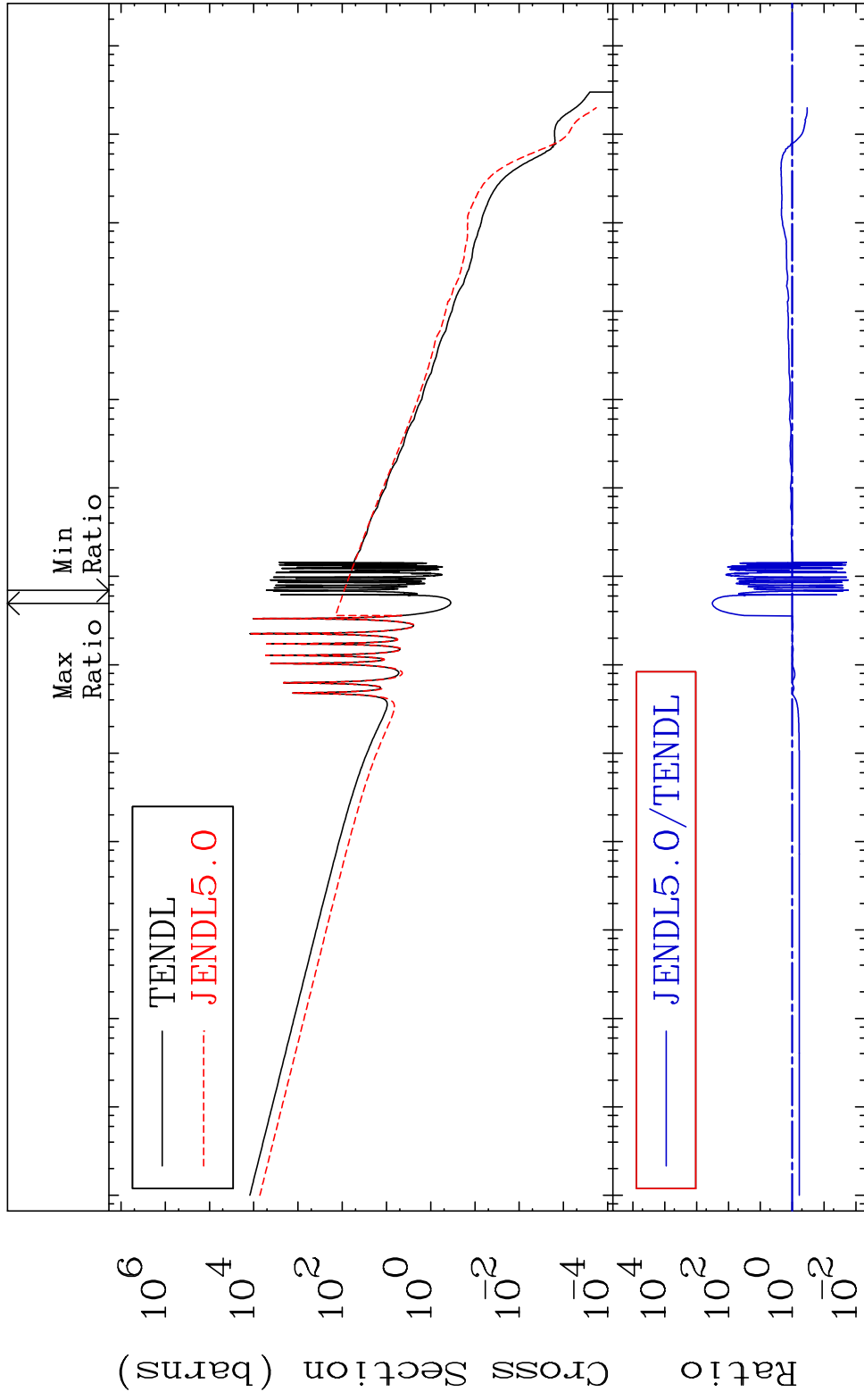
60-Nd-147

MAT 6040

(n,  $\gamma$ )

60-Nd-147

Cross Section -98.26 To 9999. %

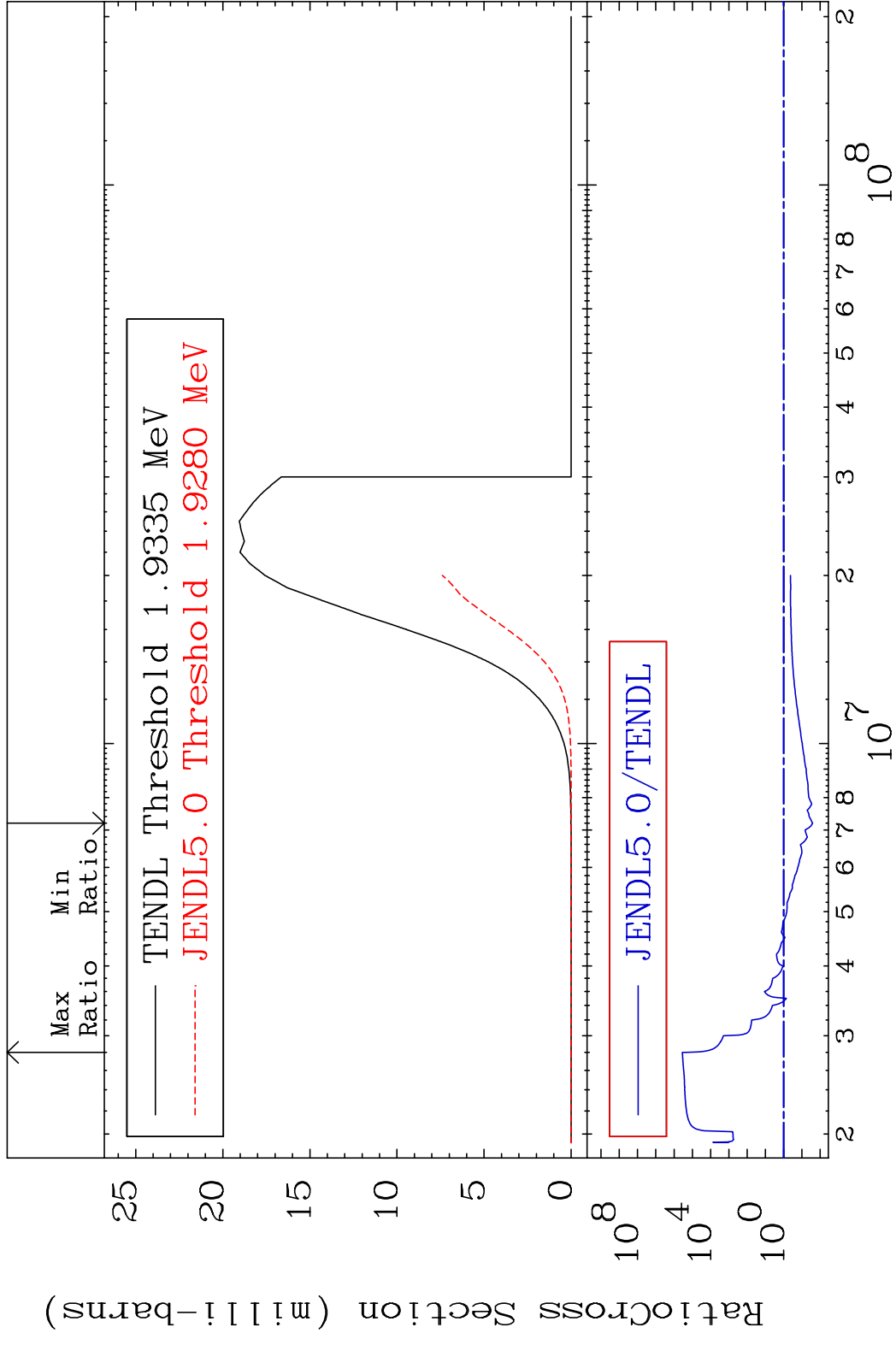


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Incident Energy (eV)

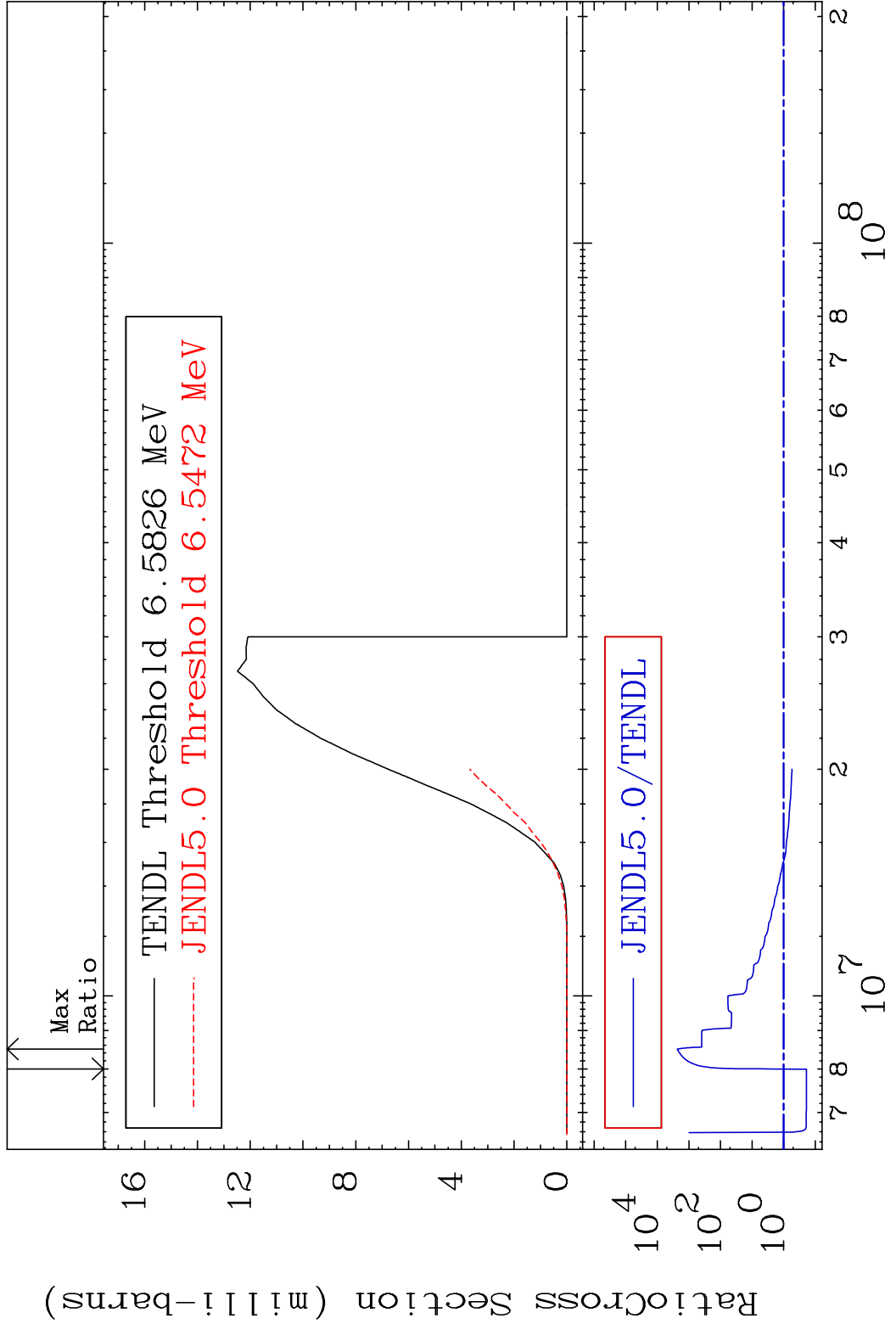
60-Nd-147

MAT 6040 (n,p) 60-Nd-147  
 Cross Section -97.41 To 9999. %

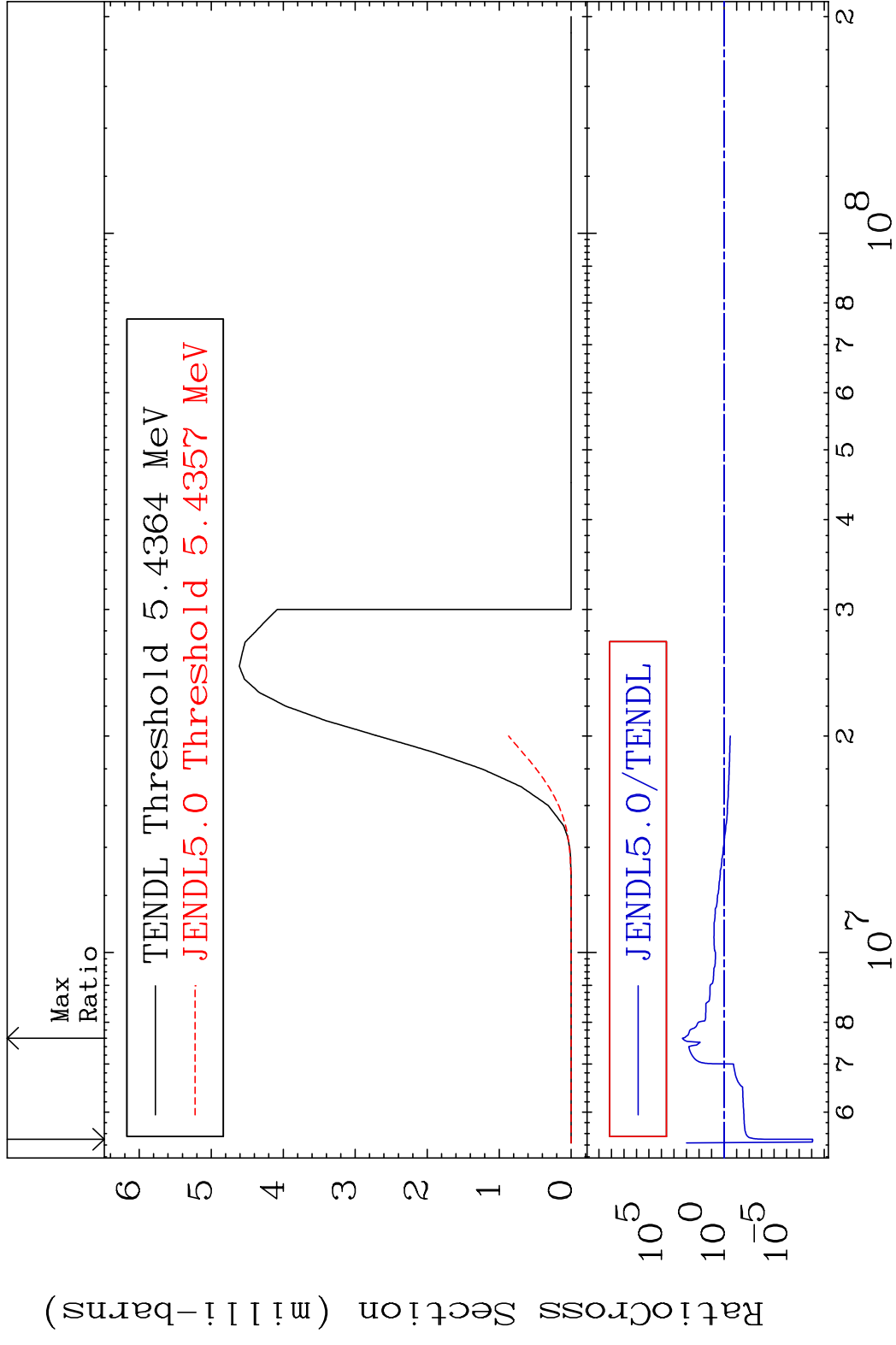




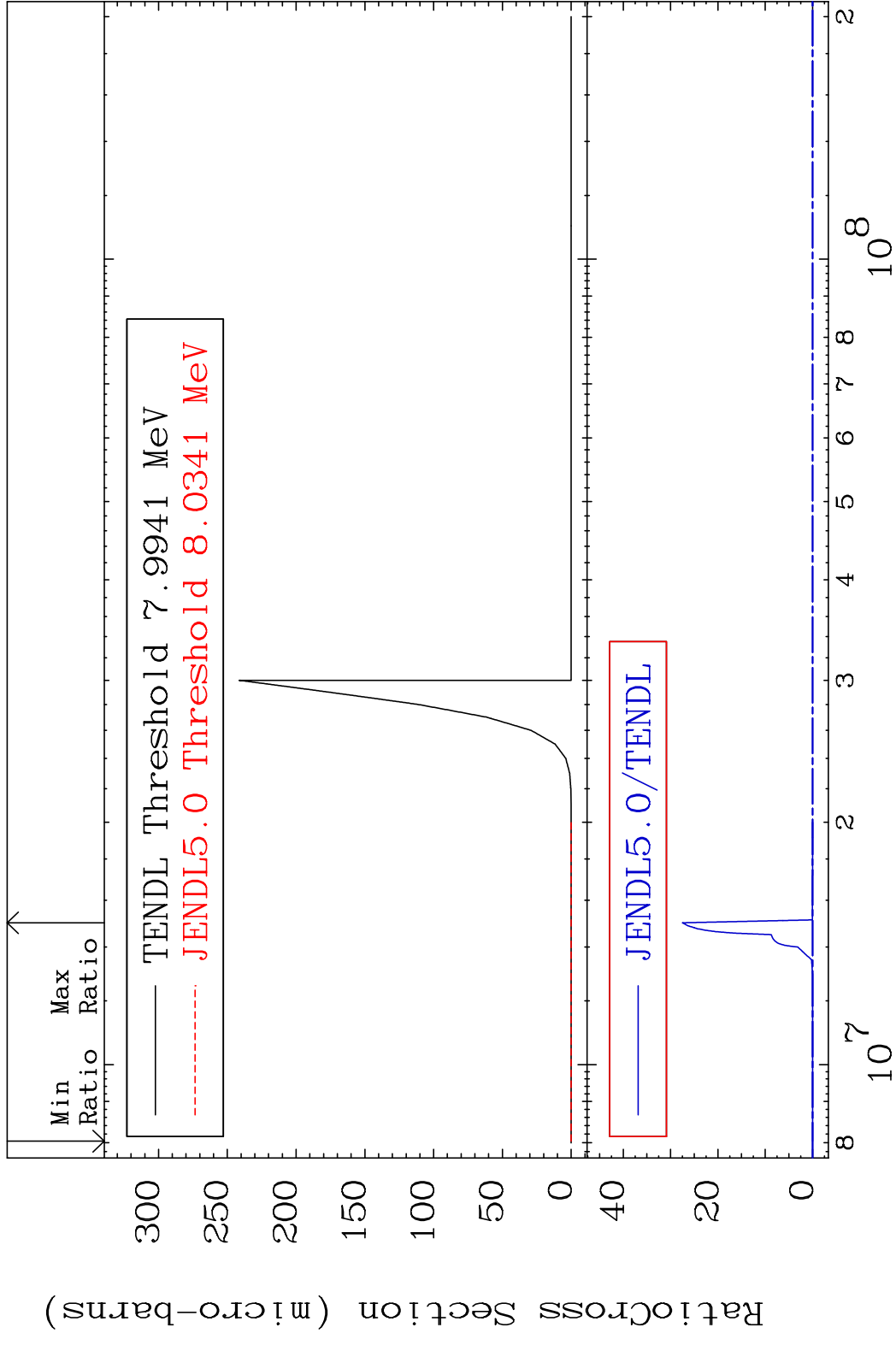
MAT 6040 (n,d) 60-Nd-147  
 Cross Section -80.91 To 9999. %



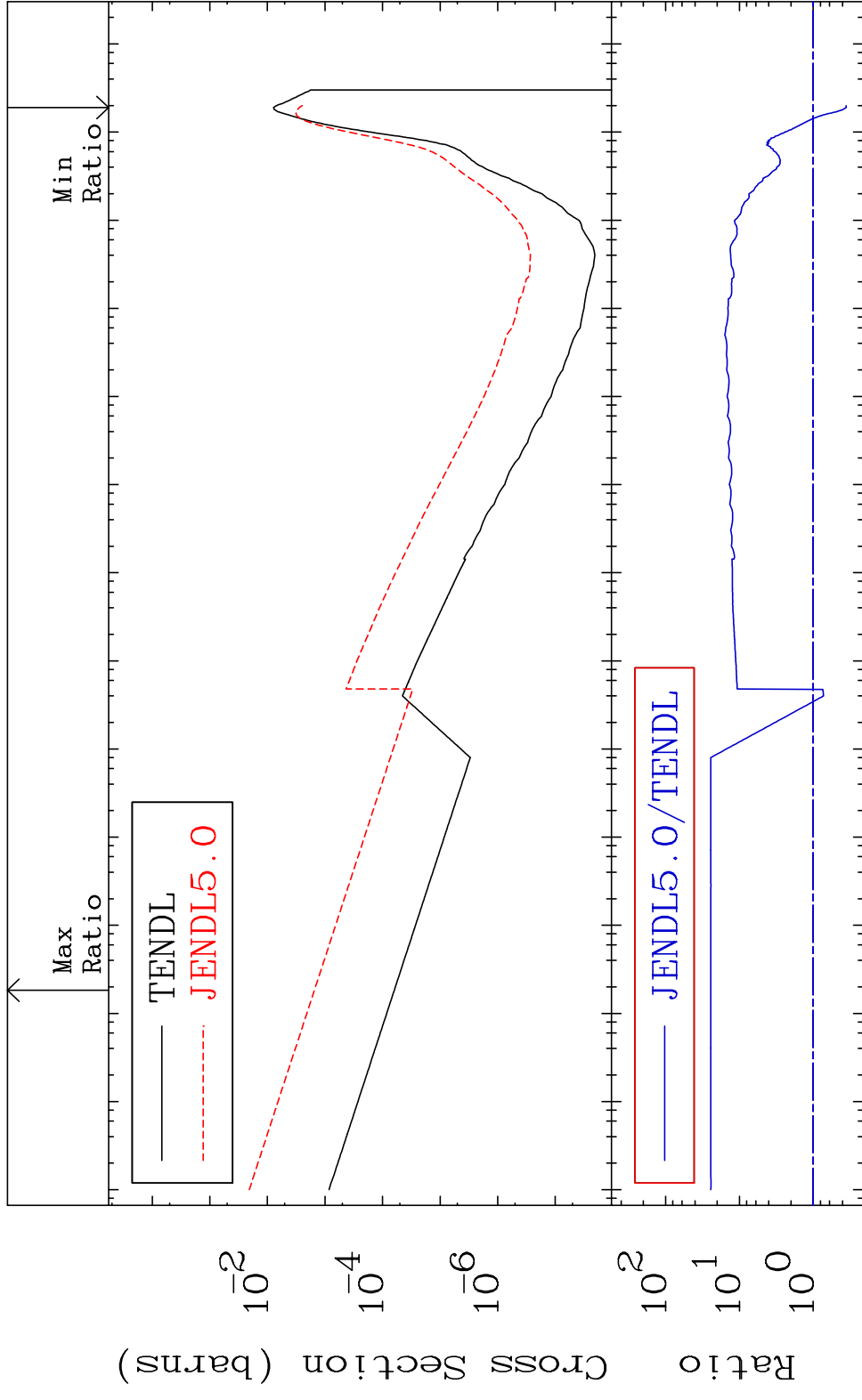
MAT 6040 (n, t) 60-Nd-147  
 Cross Section -100.0 To 9999. %



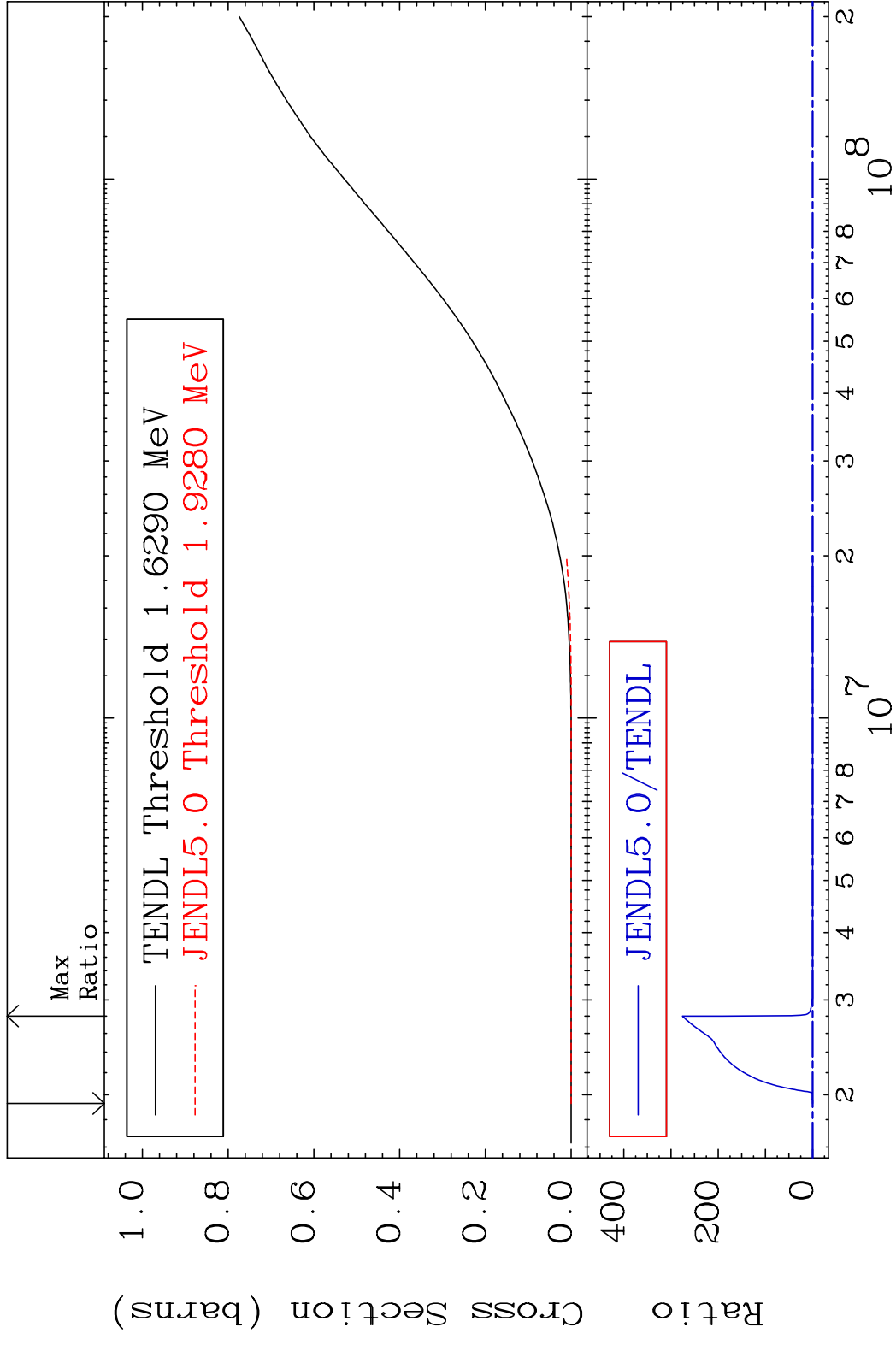
MAT 6040 (n, He-3) 60-Nd-147  
 Cross Section -100.0 To 9999. %



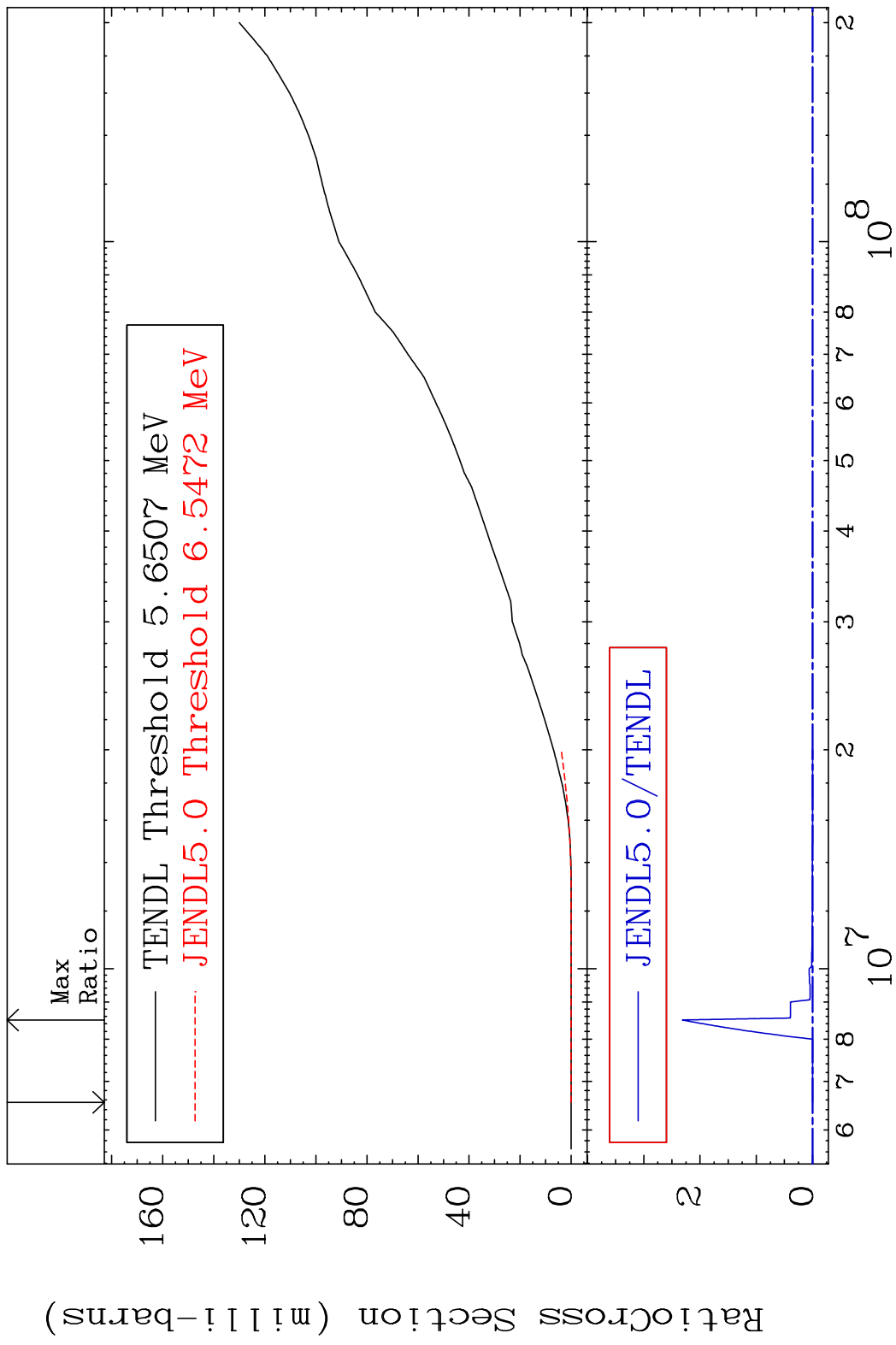
MAT 6040 (n,  $\alpha$ ) Cross Section -64.40 To 2348. % 60-Nd-147



MAT 6040 Hydrogen Production 60-Nd-147  
 Cross Section -100.0 To 9999. %

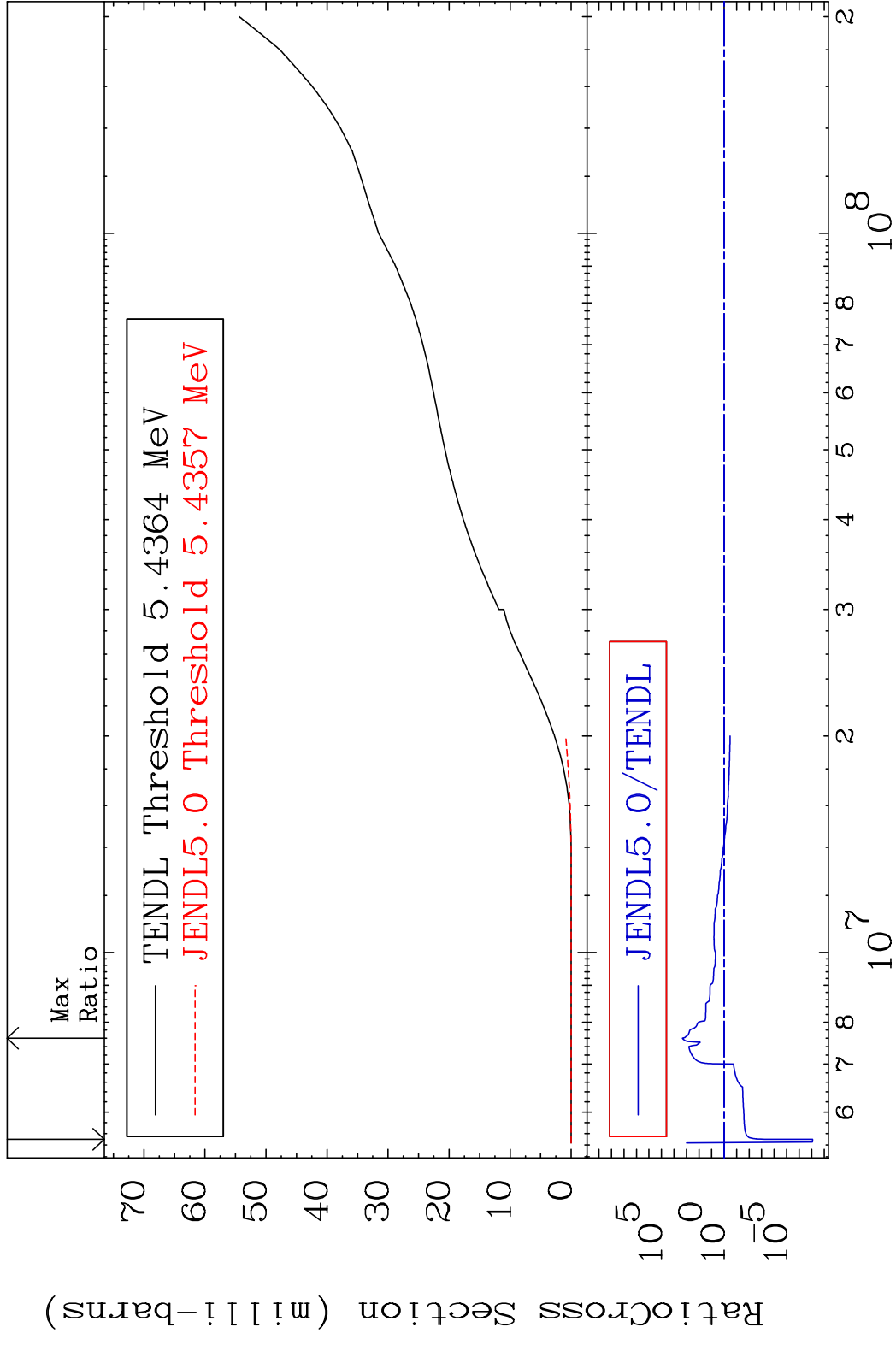


MAT 6040 Deuterium Production 60-Nd-147  
 Cross Section -100.0 To 9999. %



45 Incident Energy (eV) 60-Nd-147

MAT 6040 Tritium Production 60-Nd-147  
 Cross Section -100.0 To 9999. %

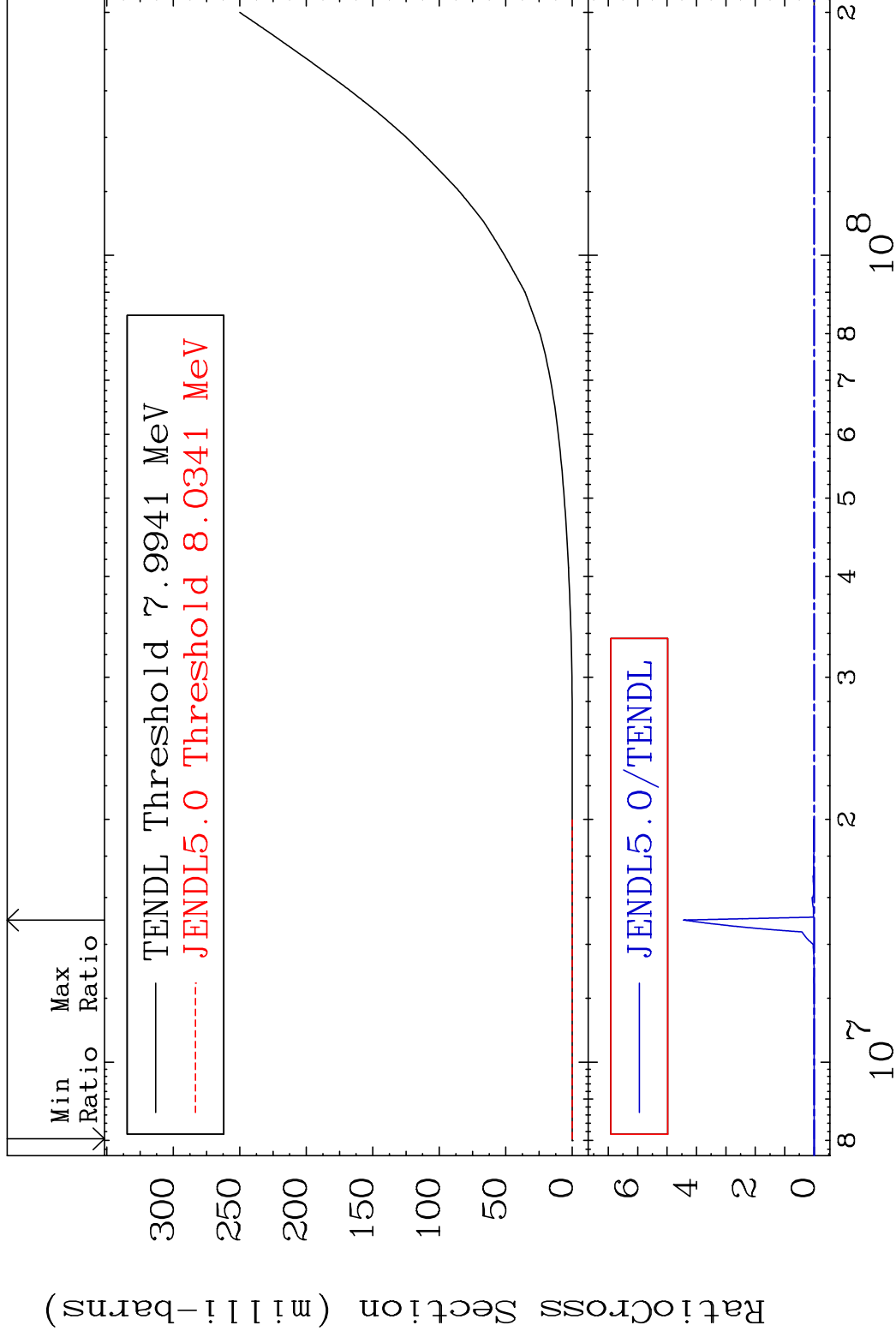


MAT 6040

He-3 Production

60-Nd-147

Cross Section -100.0 To 9999. %



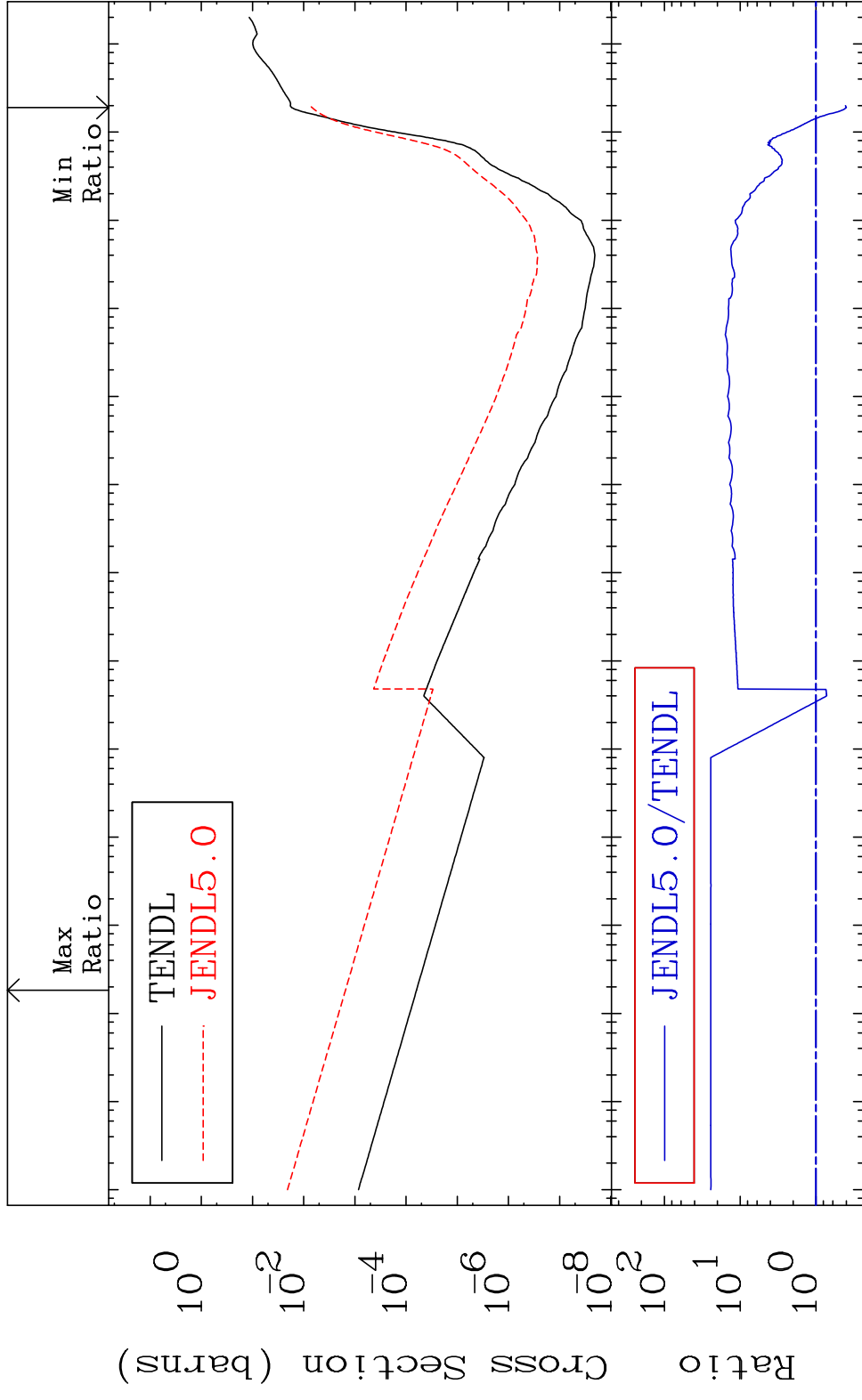
47

Incident Energy (eV)

60-Nd-147

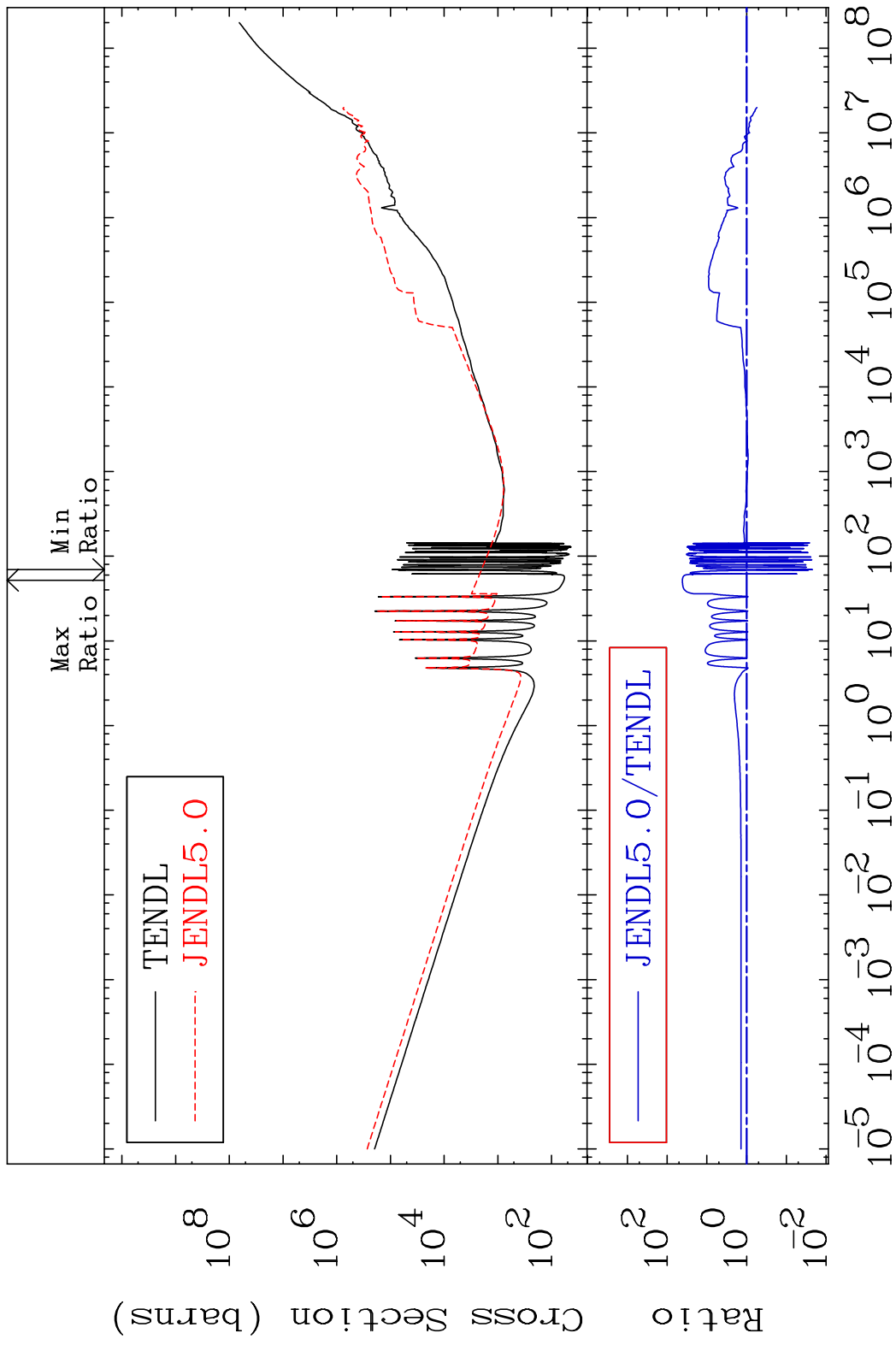


MAT 6040 He-4 Production 60-Nd-147  
 Cross Section -60.06 To 2348. %



Ratio  
 Cross Section (barns)  
 Incident Energy (eV)

MAT 6040 Kerma total (eV-barns) 60-Nd-147  
 Cross Section -97.81 To 4035. %

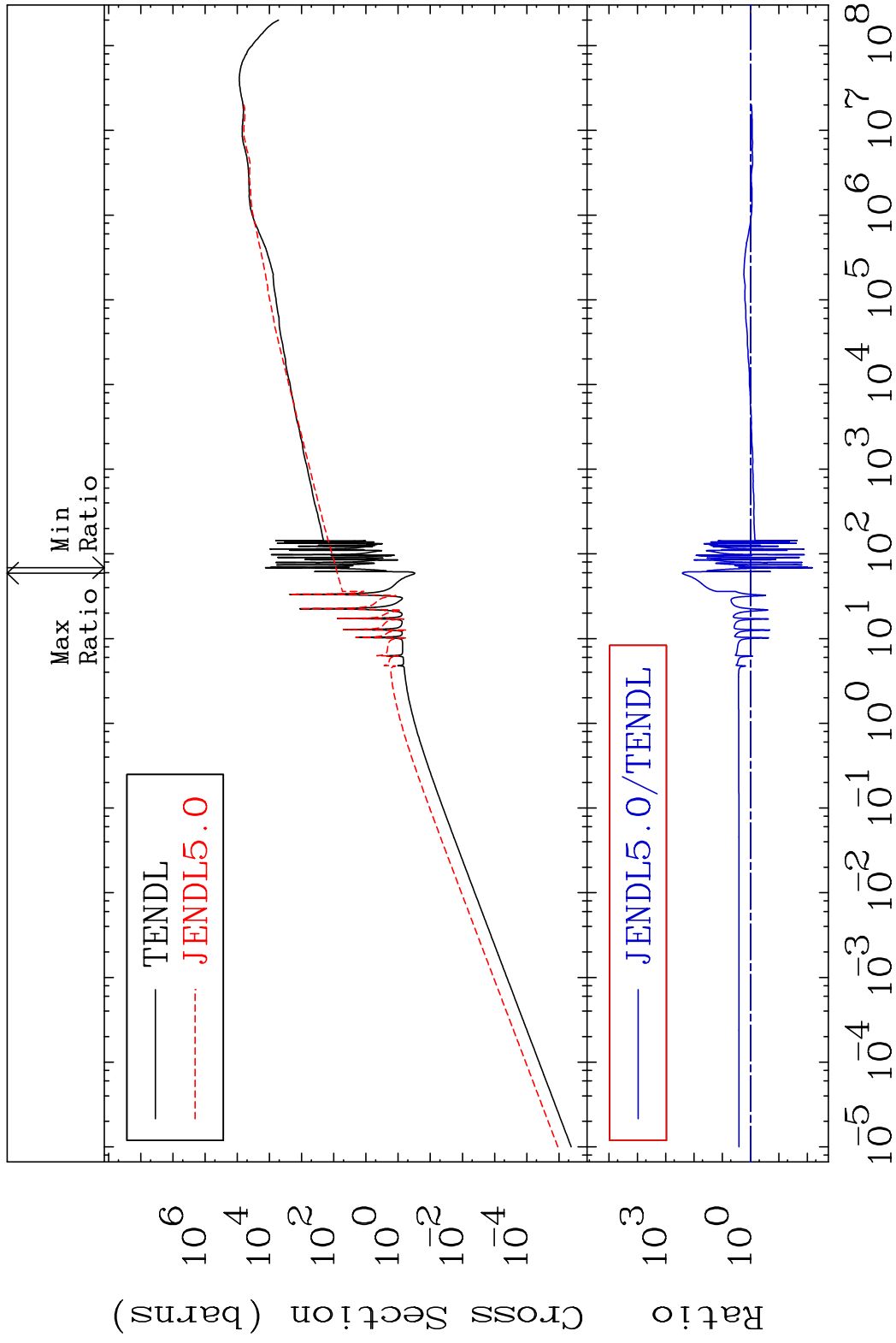


MAT 6040

Kerma elastic

60-Nd-147

Cross Section -99.35 To 9999. %

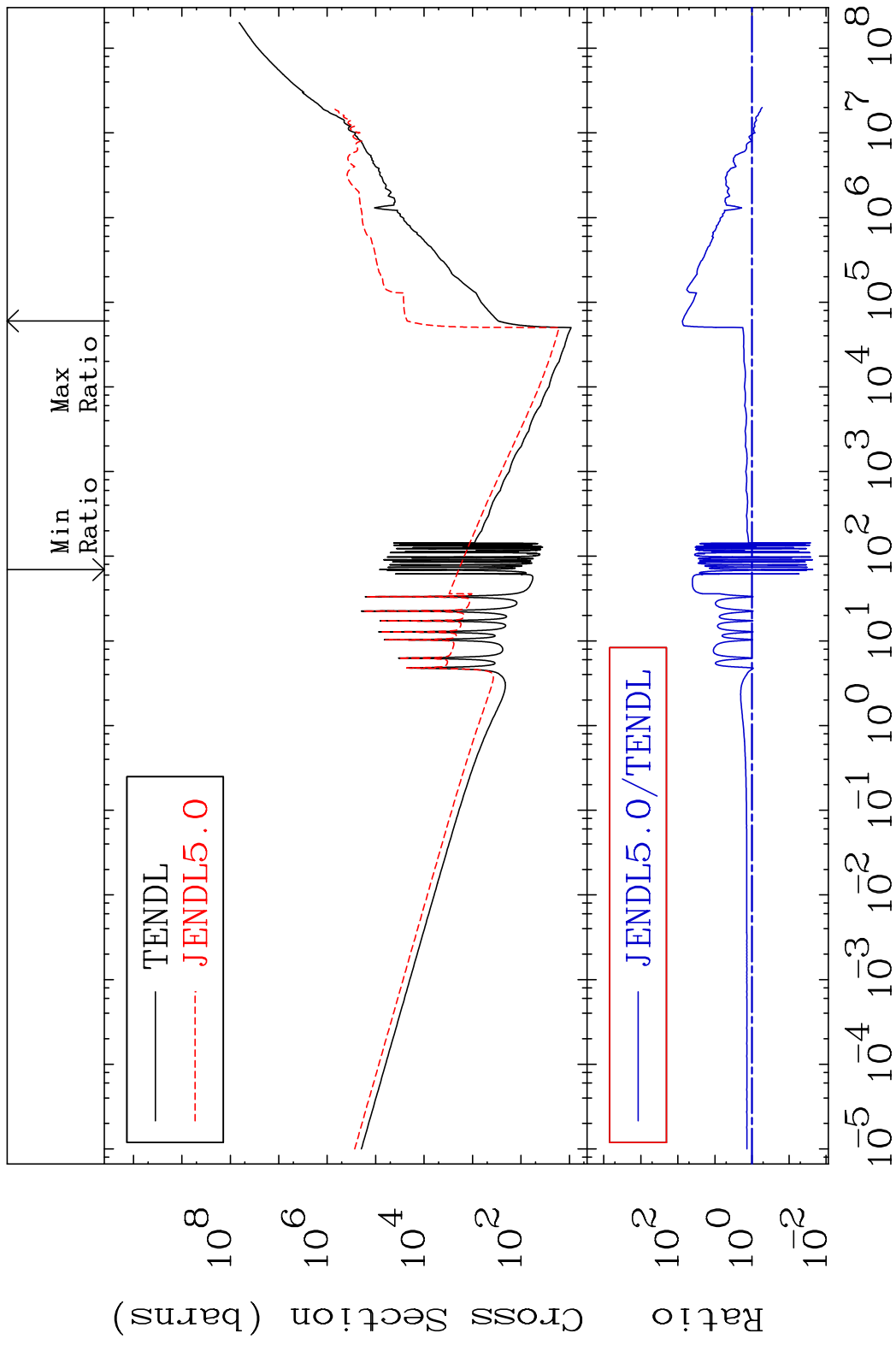


50

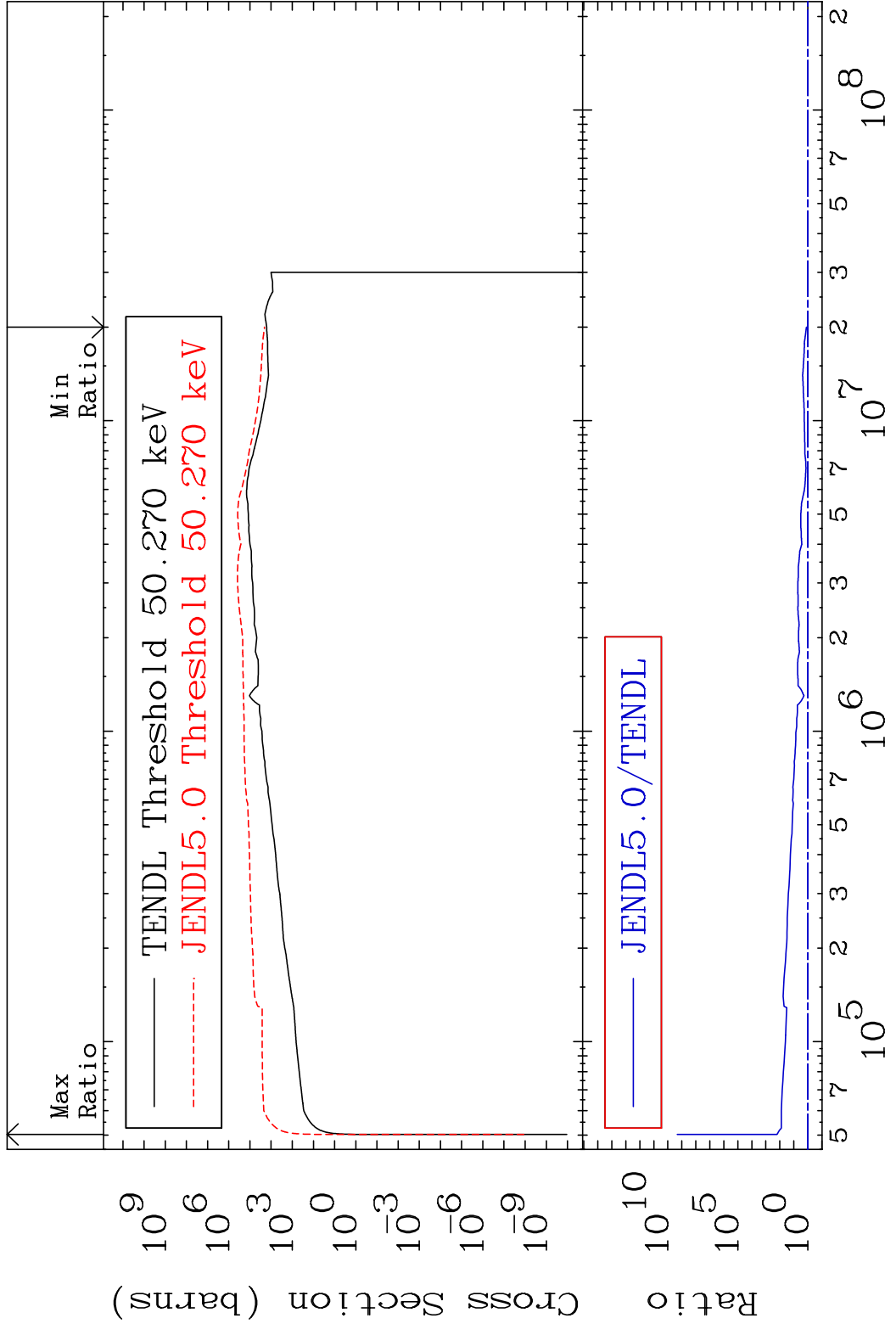
Incident Energy (eV)

60-Nd-147

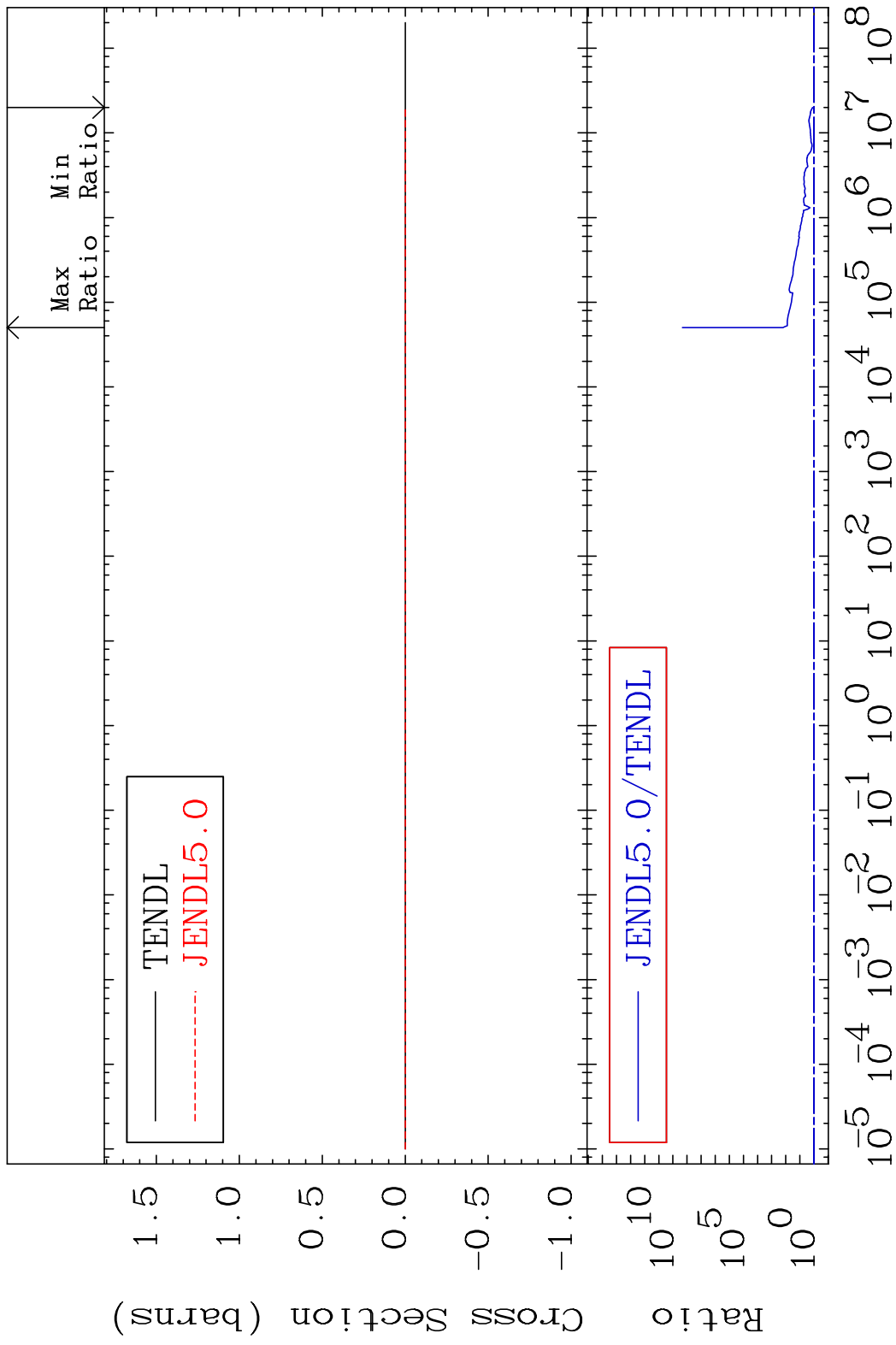
MAT 6040 Kerma non-elastic (all but mt2) 60-Nd-147  
 Cross Section -97.68 To 7463. %



MAT 6040 Kerma inelastic (mt51-91) 60-Nd-147  
 Cross Section 25.70 To 9999. %



MAT 6040 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-147  
 Cross Section 25.70 To 9999. %

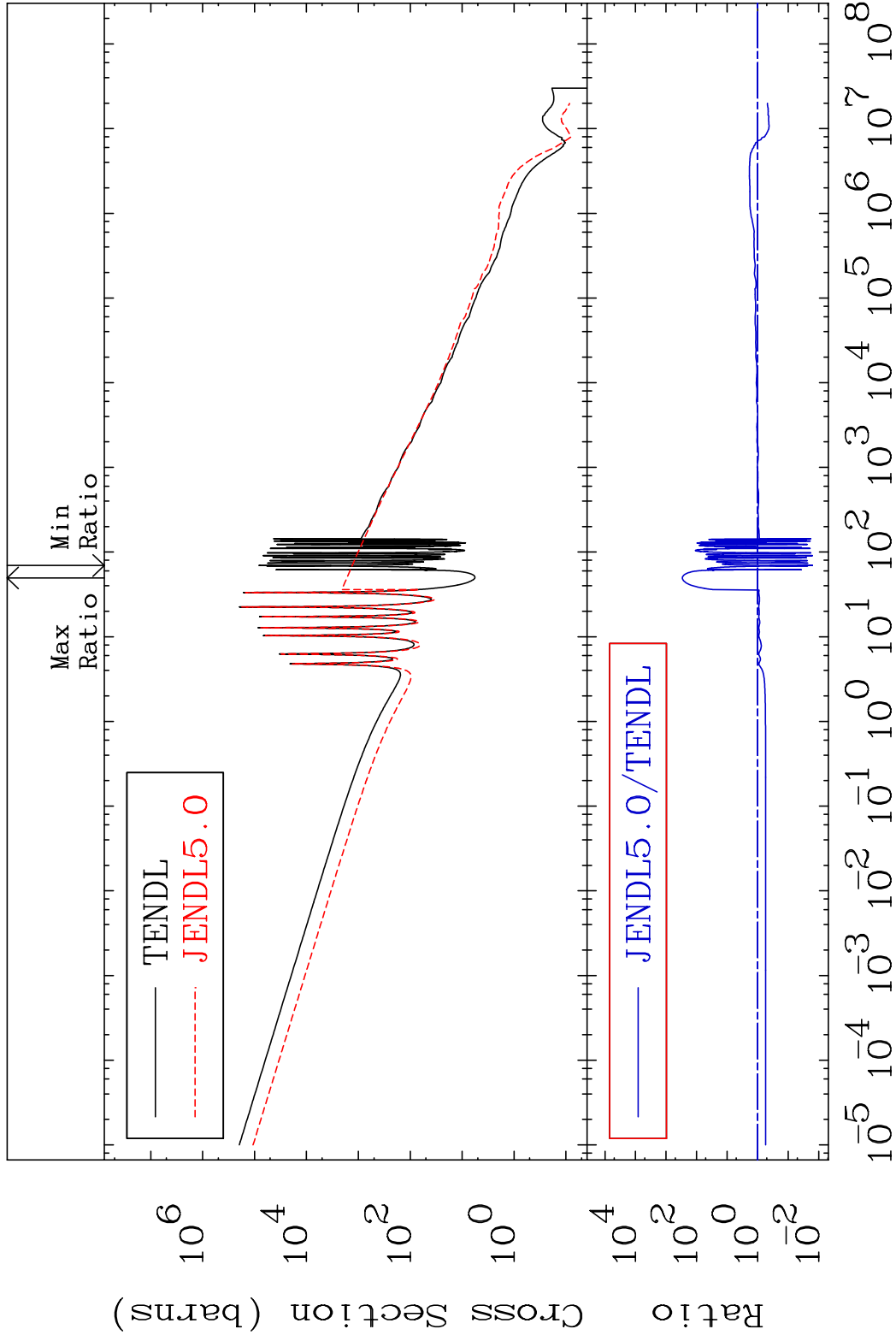


MAT 6040

Kerma capture (mt102)

60-Nd-147

Cross Section -98.42 To 9999. %

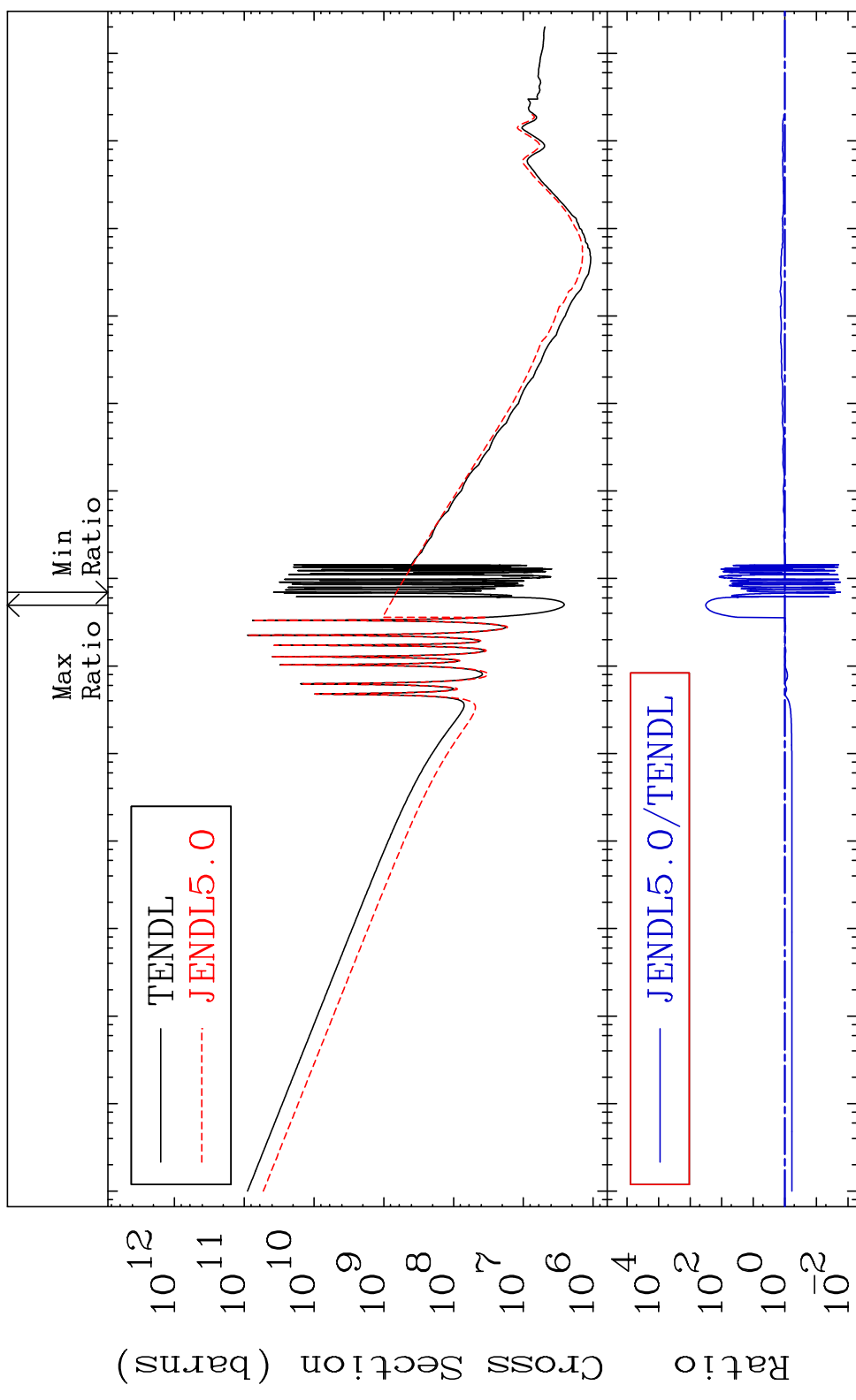


MAT 6040

Total photon (eV-barns)

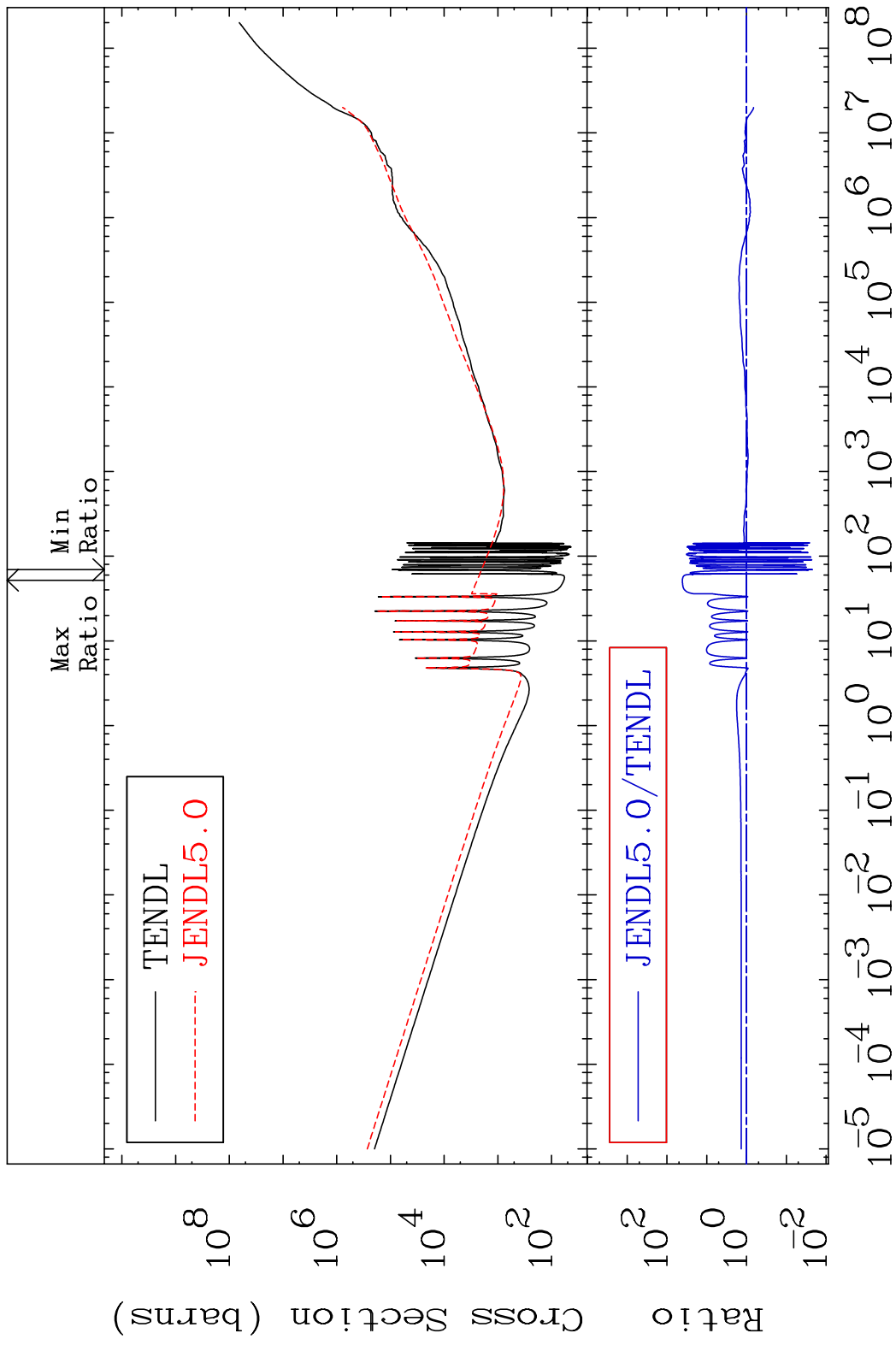
60-Nd-147

Cross Section -98.27 To 9999. %





MAT 6040 Total kinematic kerma (high limit) 60-Nd-147  
 Cross Section -97.81 To 4010. %

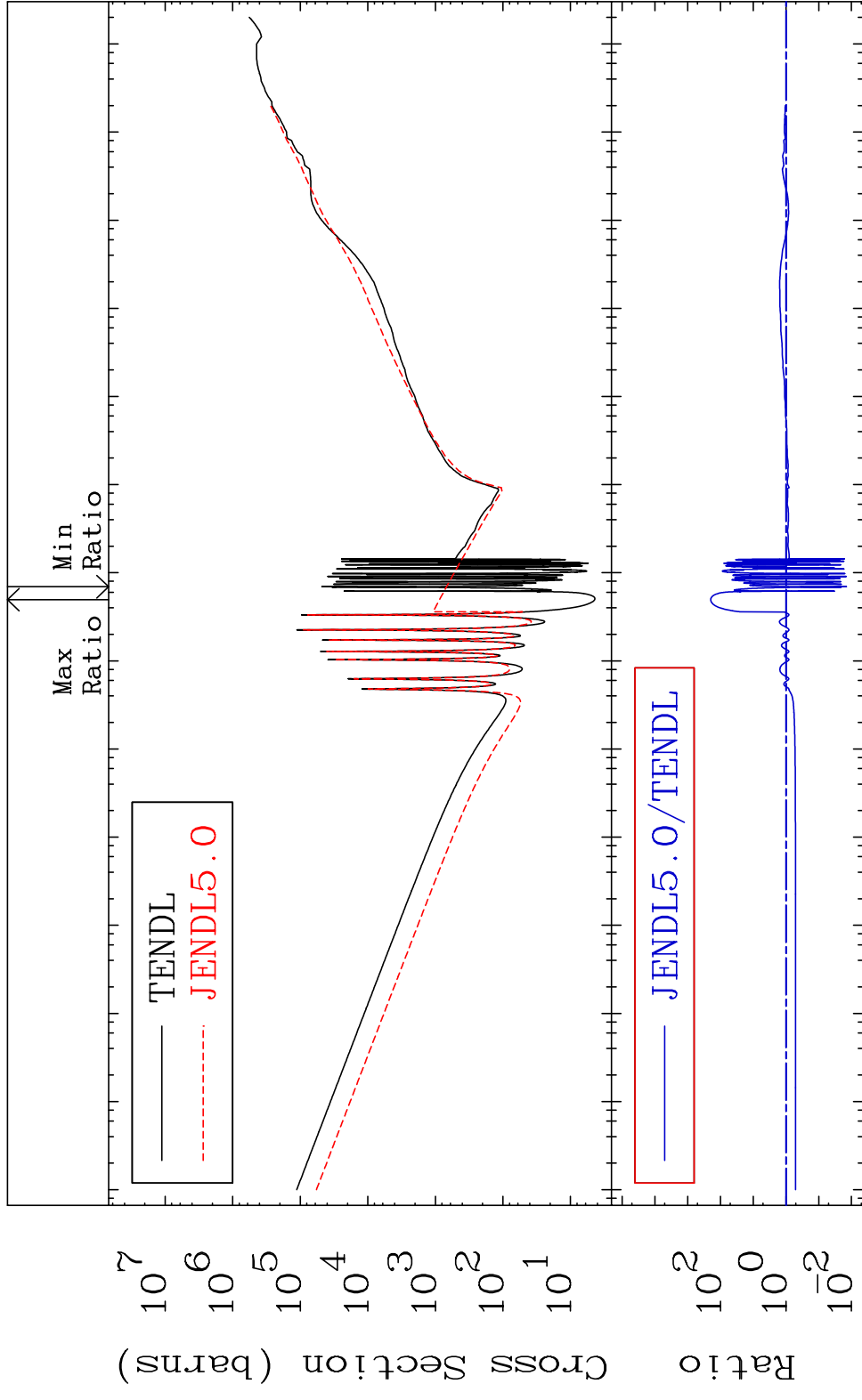


MAT 6040

Dpa total (eV-barns)

60-Nd-147

Cross Section -98.56 To 9999. %

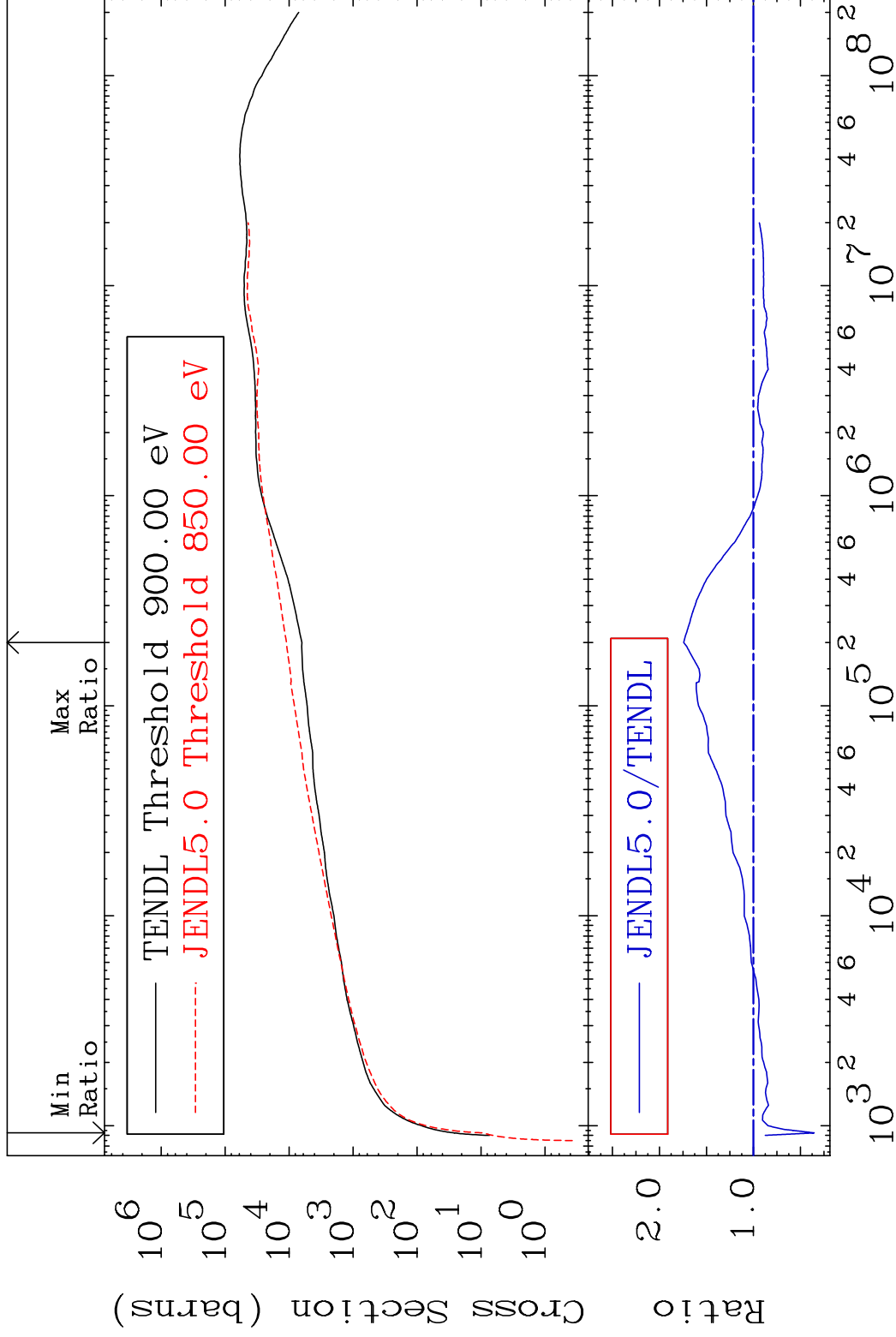


MAT 6040

Dpa elastic (mt2)

60-Nd-147

Cross Section -64.55 To 74.27 %

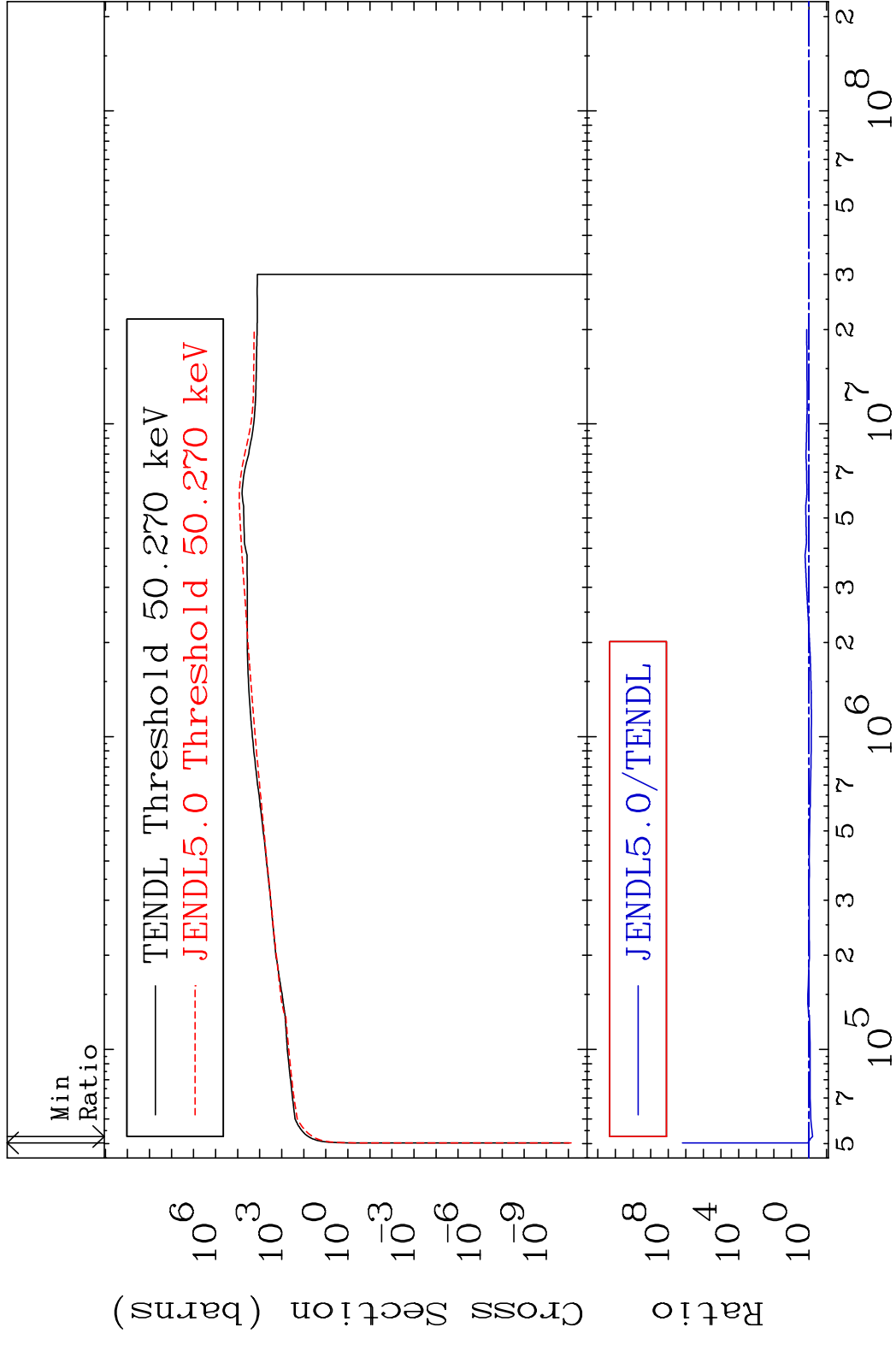


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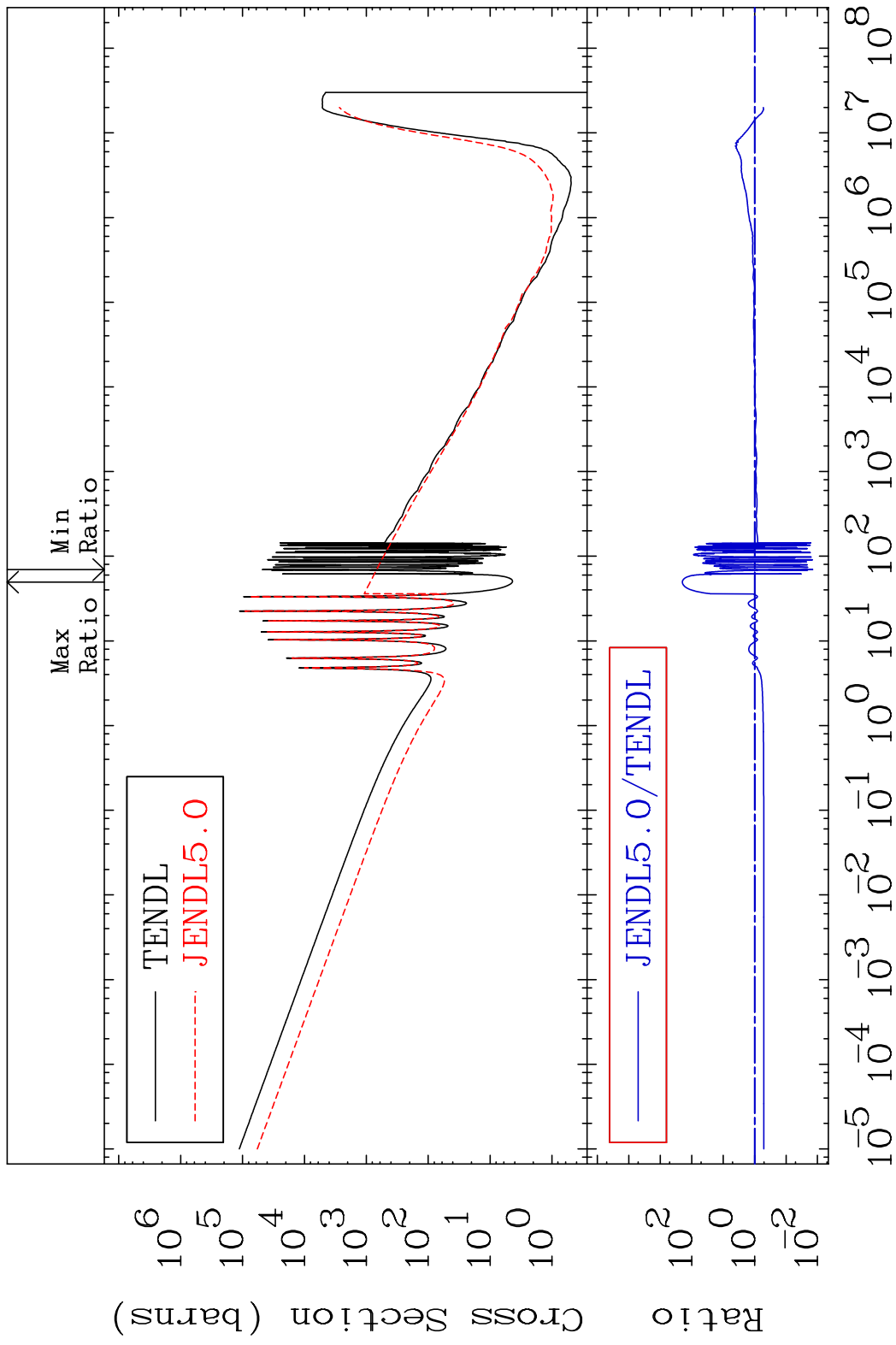
Incident Energy (eV)

60-Nd-147

MAT 6040      Dpa inelastic (mt51-91)      60-Nd-147  
 Cross Section      -36.99 To 9999. %



MAT 6040 Dpa disappearance (mt102 -120) 60-Nd-147  
Cross Section -98.56 To 9999. %



60 Incident Energy (eV) 60-Nd-147

MAT 6040 (n, n') t:59-Pr-144g 60-Nd-147  
 Radionuclide Production Cross Section 180.0 mb to 3829. %

