

Program Complot  
(Version 2021-1)

by

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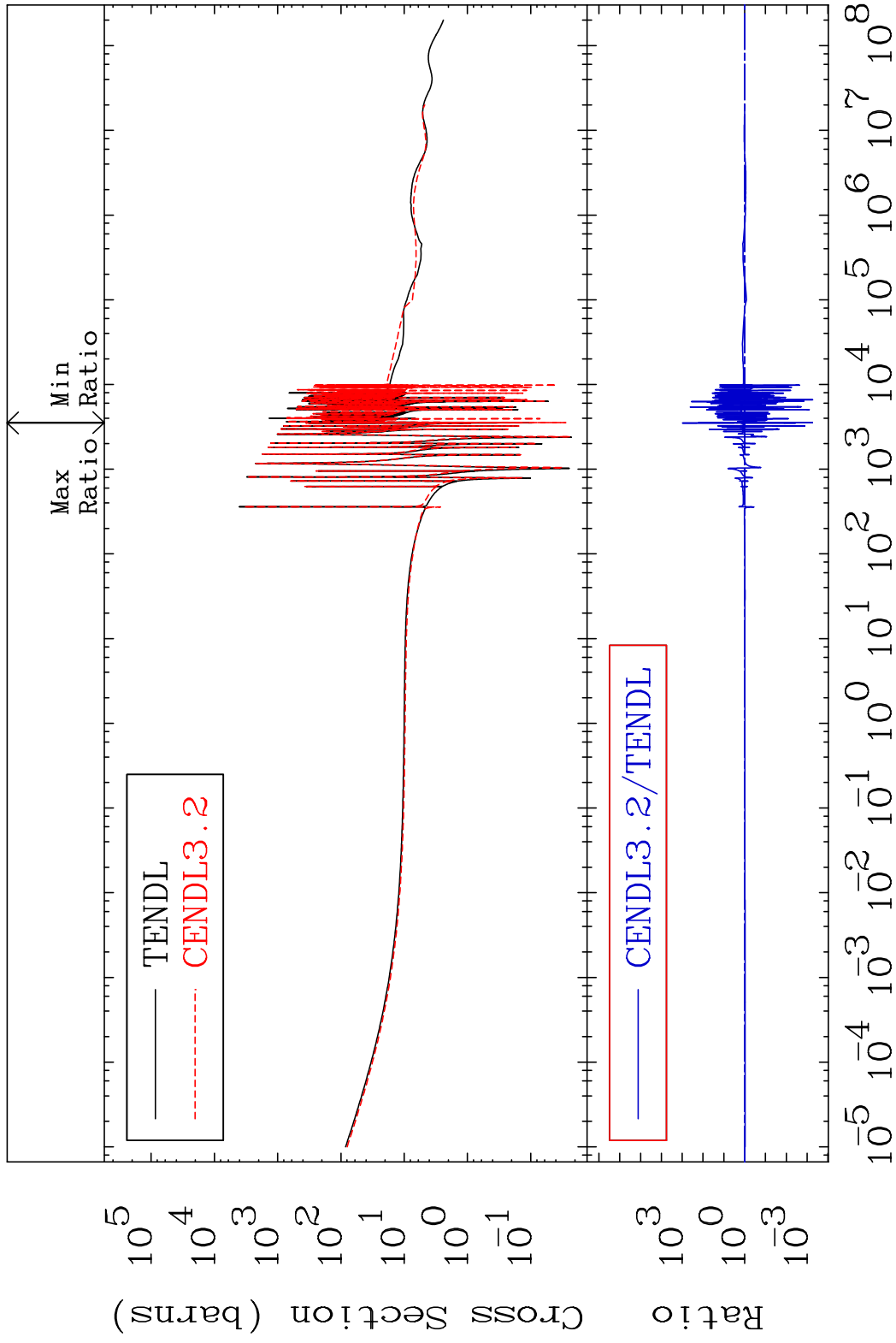
Press Mouse Button to Start

MAT 6037

Total

60-Nd-146

Cross Section -99.95 To 9999. %



1

Incident Energy (eV)

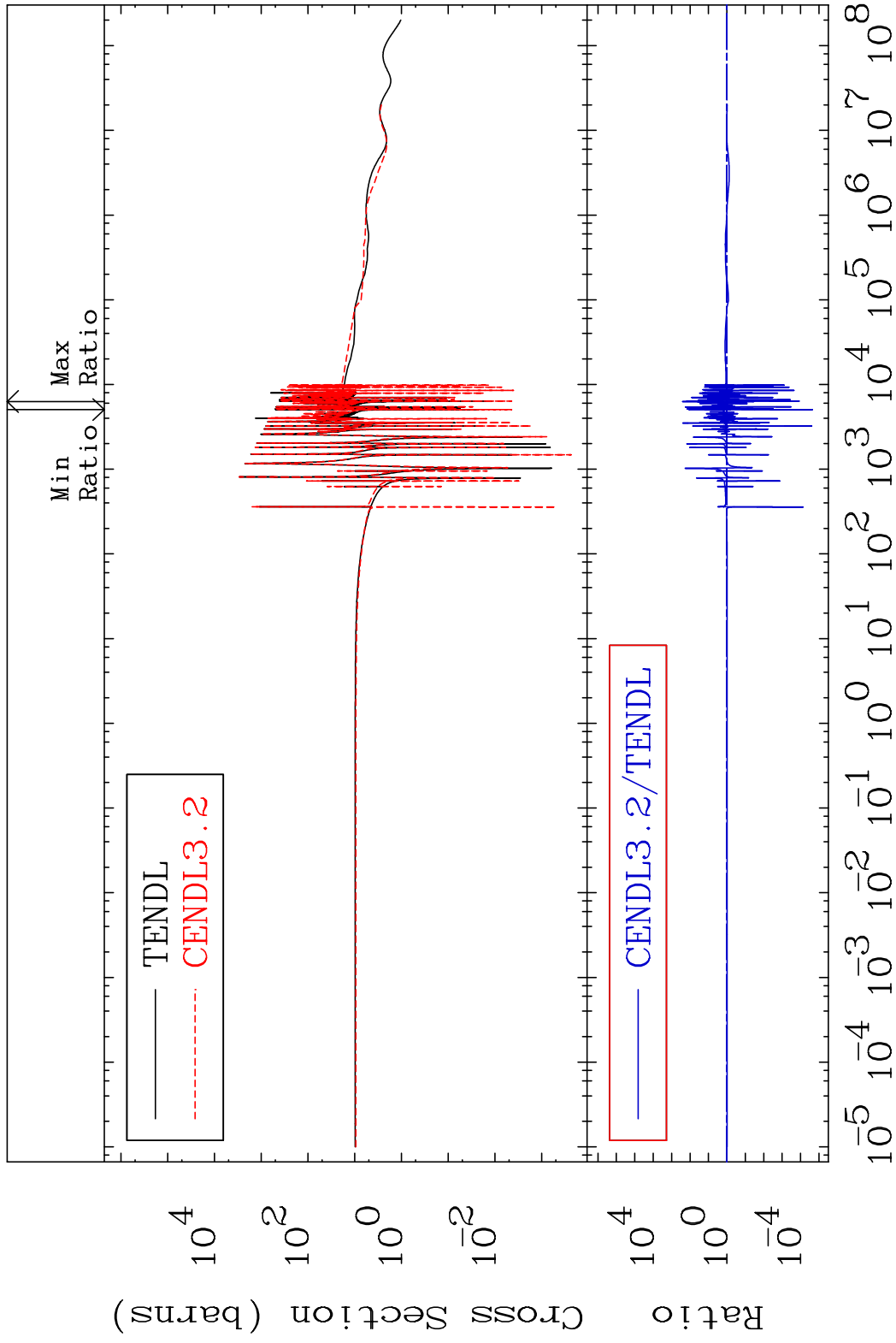
60-Nd-146

MAT 6037

Elastic

60-Nd-146

Cross Section -100.0 To 9999. %

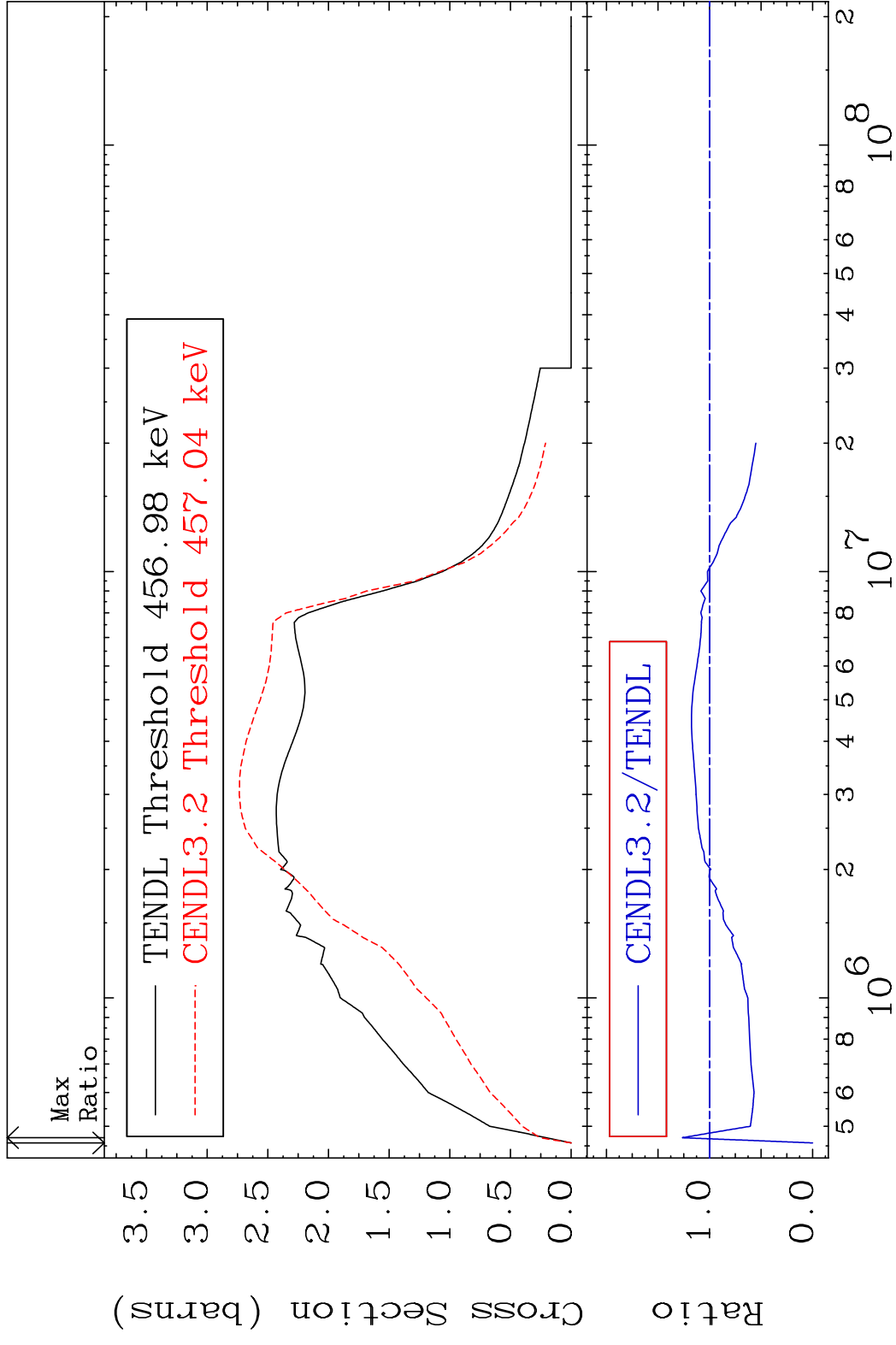


2

Incident Energy (eV)

60-Nd-146

MAT 6037                      Inelastic                      60-Nd-146  
 Cross Section                      -100.0 To 26.28 %

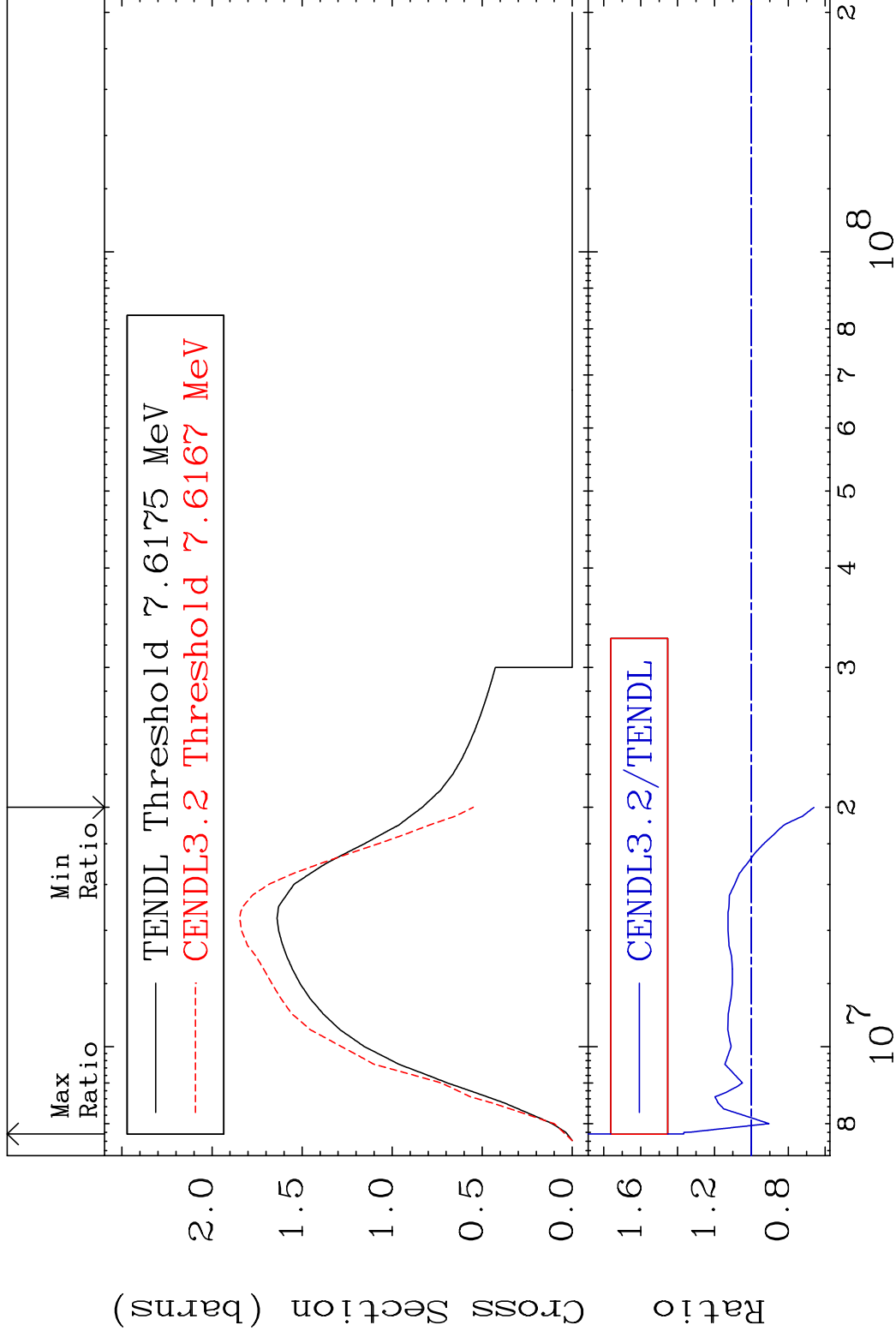


MAT 6037

(n,2n)

60-Nd-146

Cross Section -34.02 To 36.72 %



4

Incident Energy (eV)

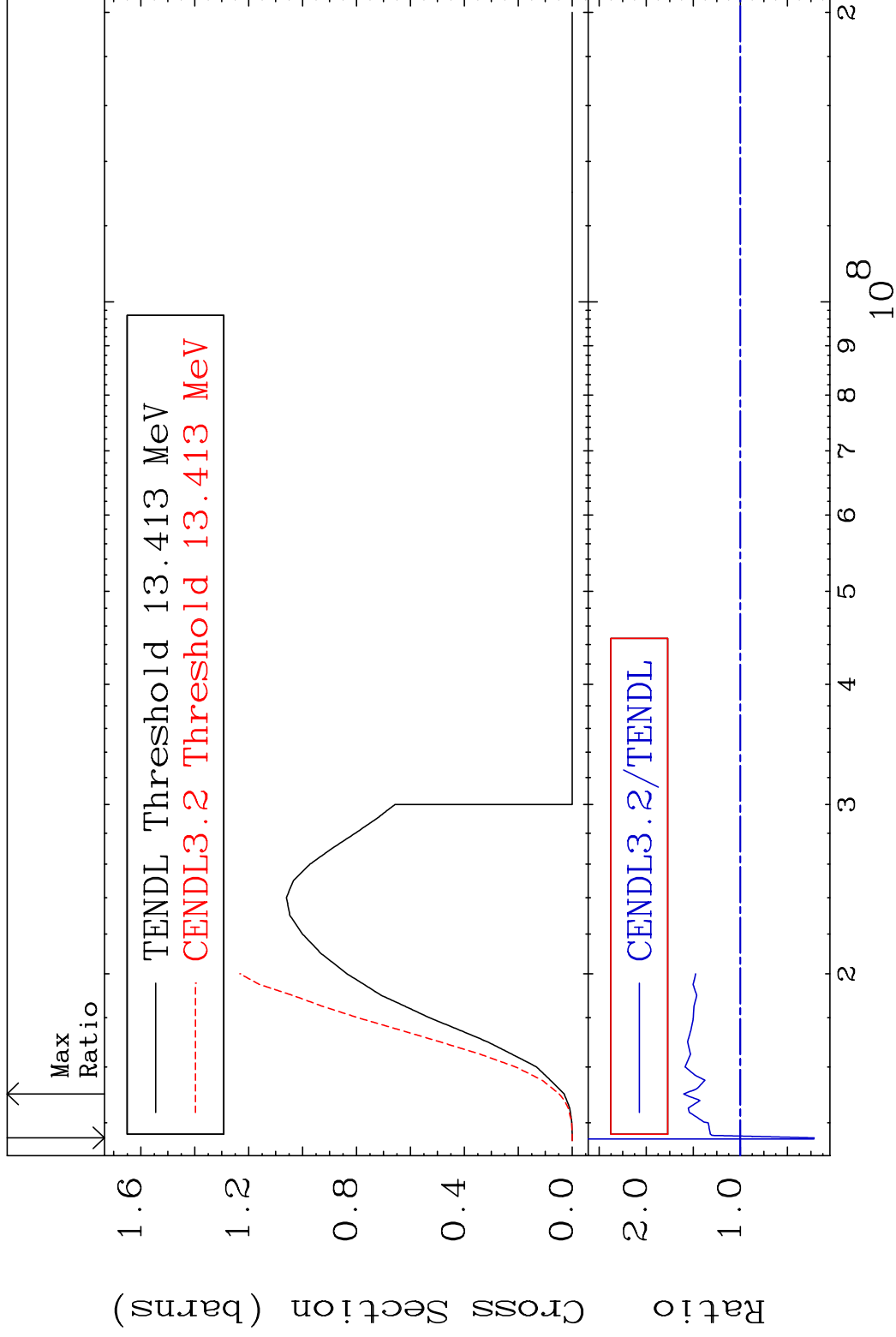
60-Nd-146

MAT 6037

(n,3n)

60-Nd-146

Cross Section -78.24 To 60.28 %



5

Incident Energy (eV)

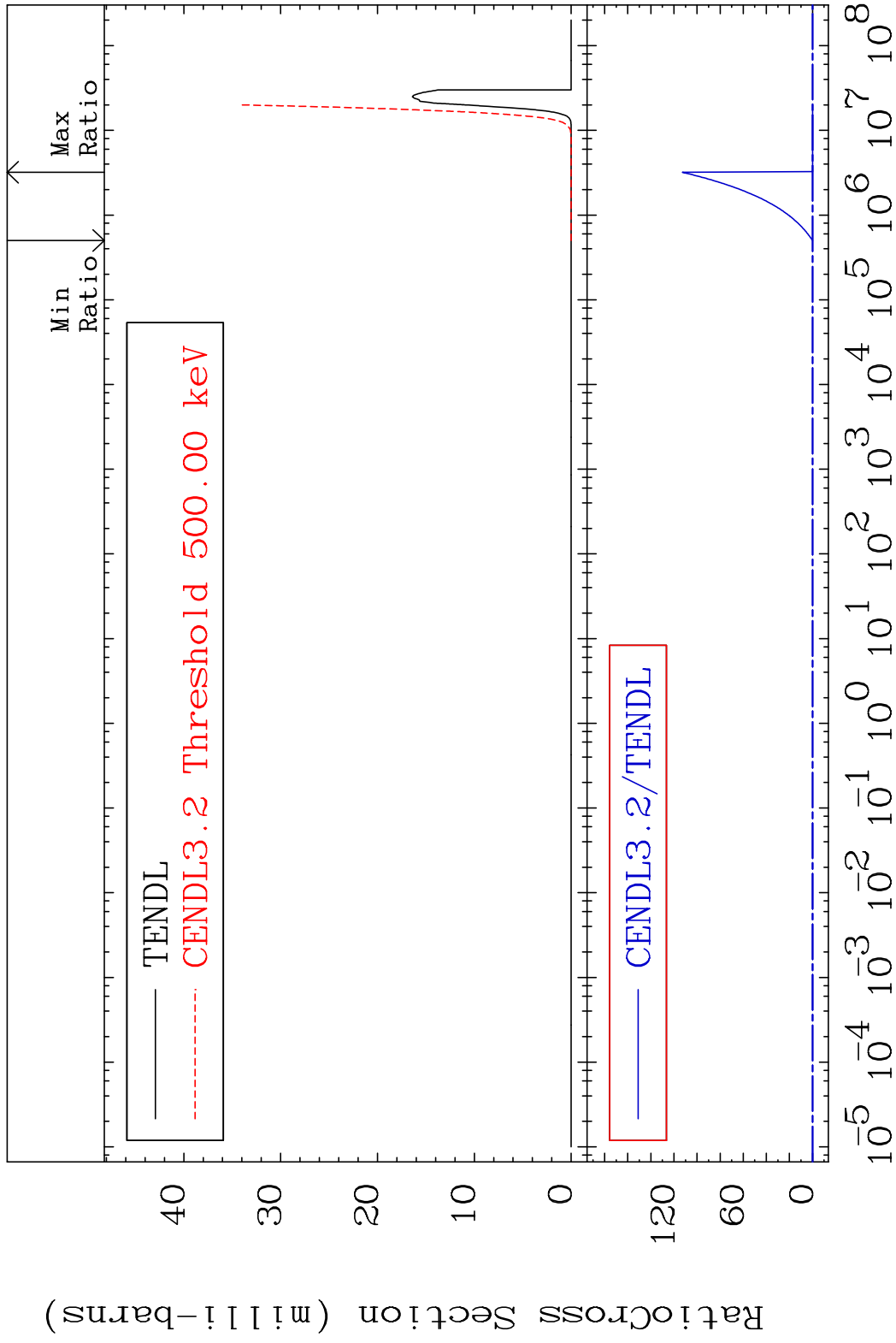
60-Nd-146

MAT 6037

(n, n')  $\alpha$

60-Nd-146

Cross Section -100.0 To 9999. %

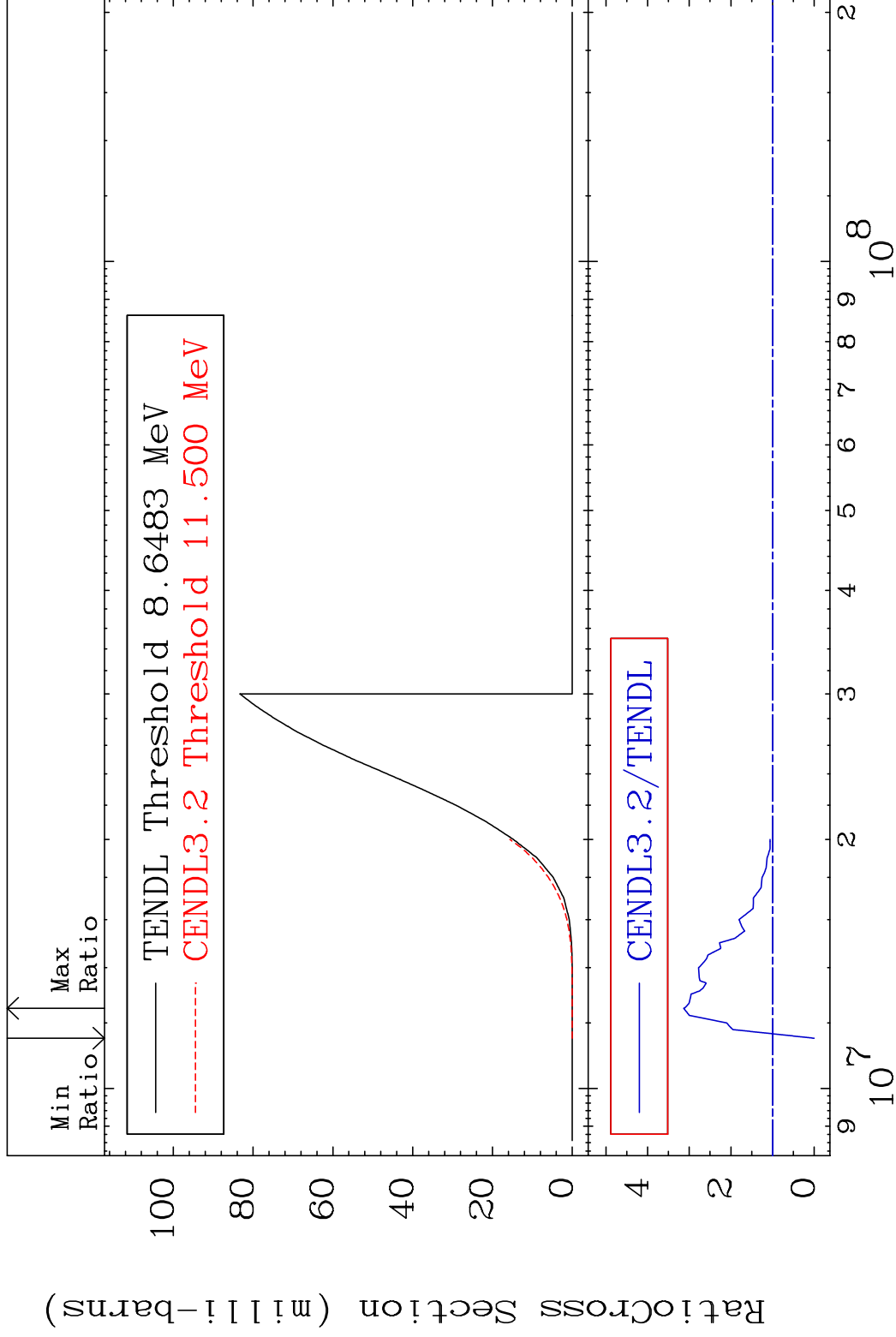


MAT 6037

(n, n') p

60-Nd-146

Cross Section -100.0 To 213.5 %



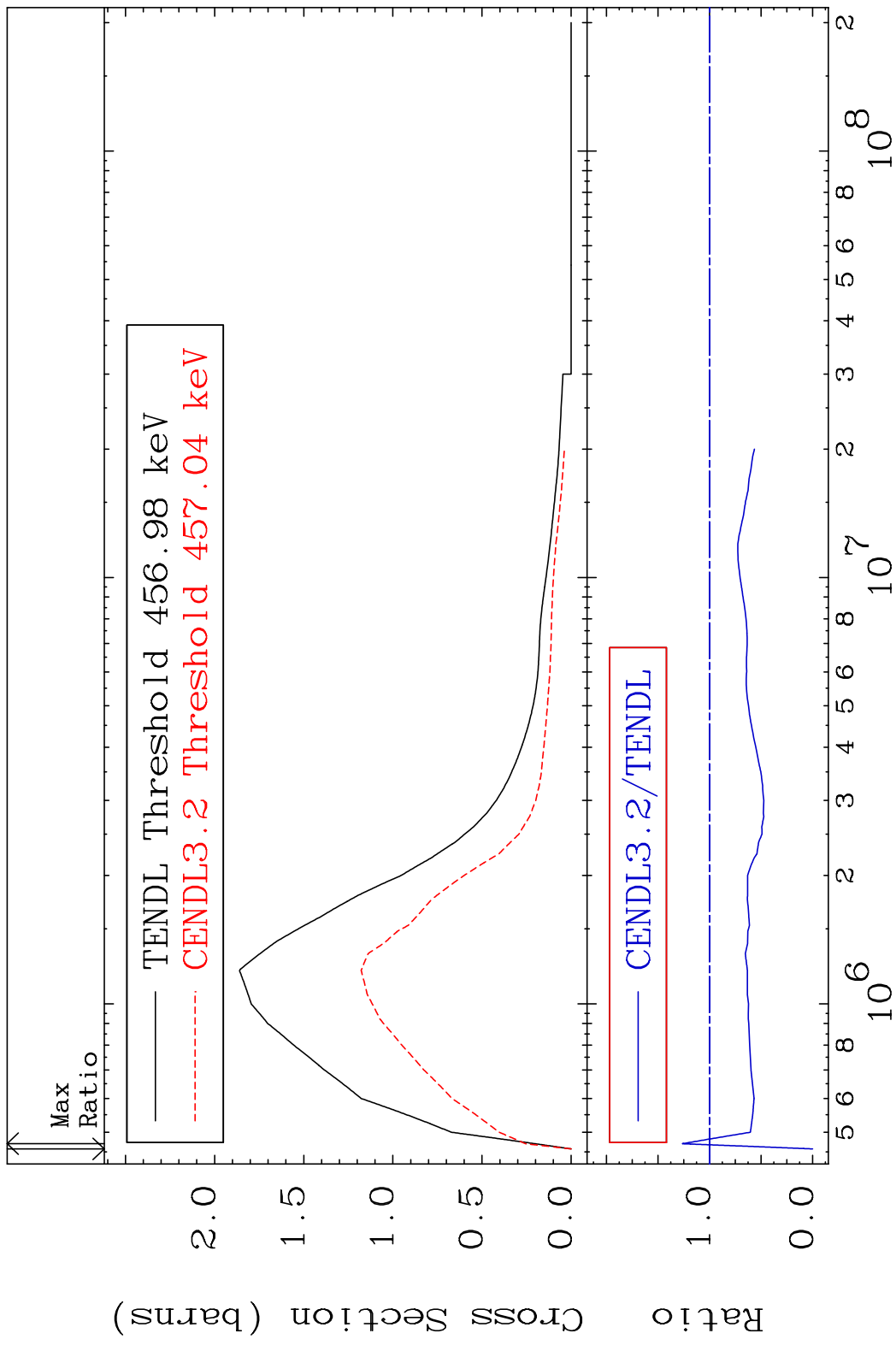
7

Incident Energy (eV)

60-Nd-146

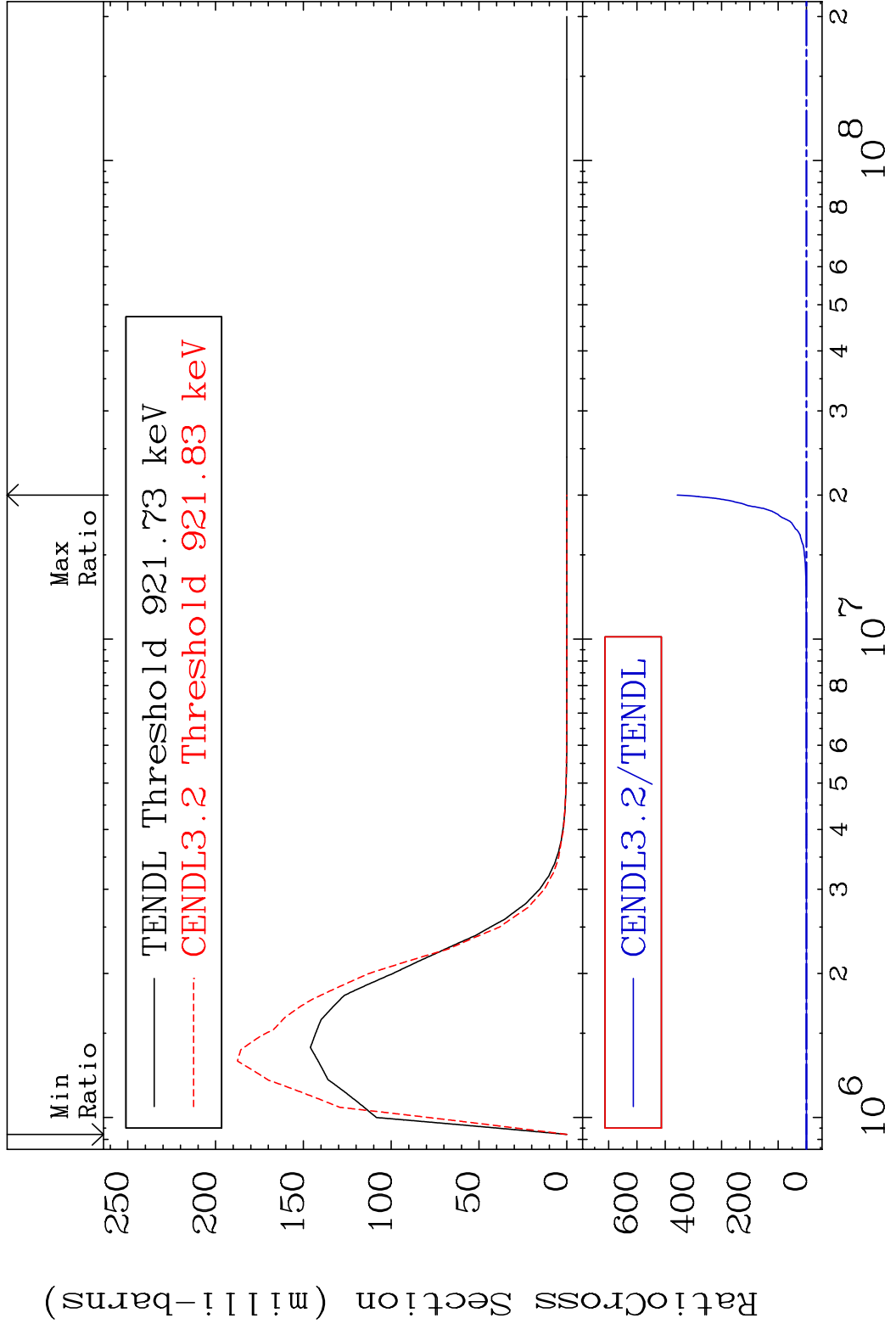


MAT 6037 MT= 51 (n, n') Level 60-Nd-146  
 Cross Section -100.0 To 26.28 %

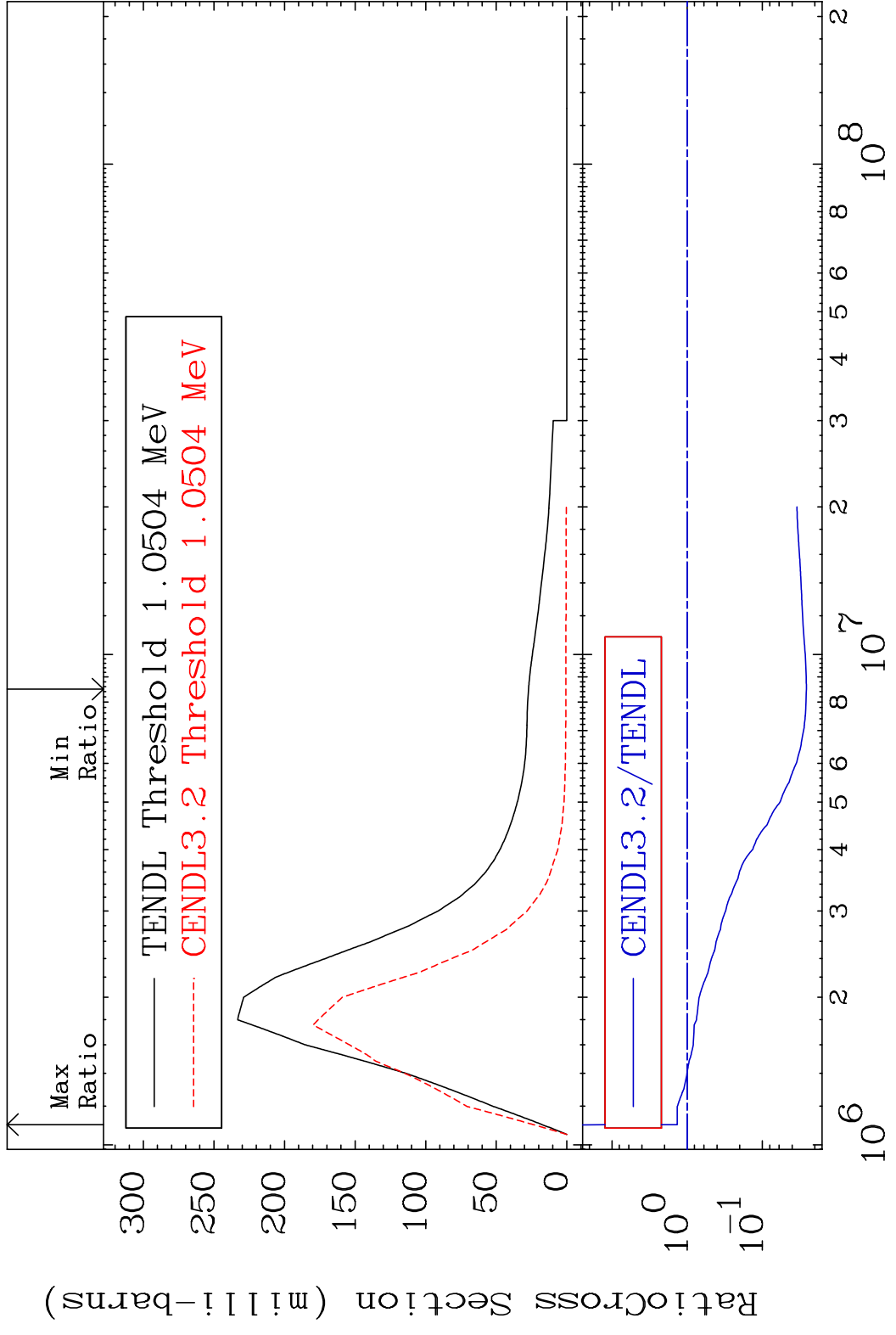


8 8 Incident Energy (eV) 60-Nd-146

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

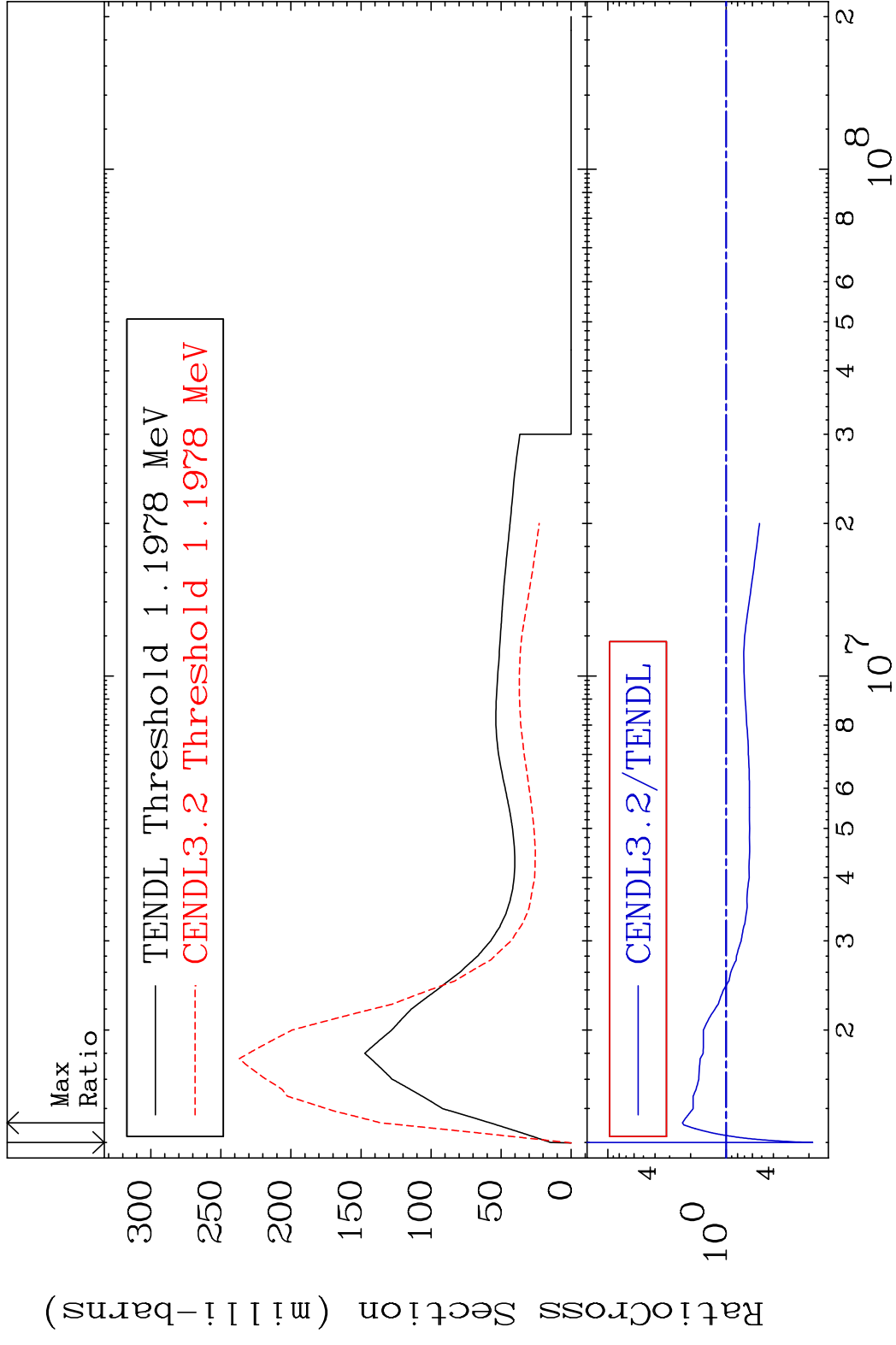


MAT 6037 MT= 53 (n, n') Level 60-Nd-146  
 Cross Section -97.40 To 36.12 %

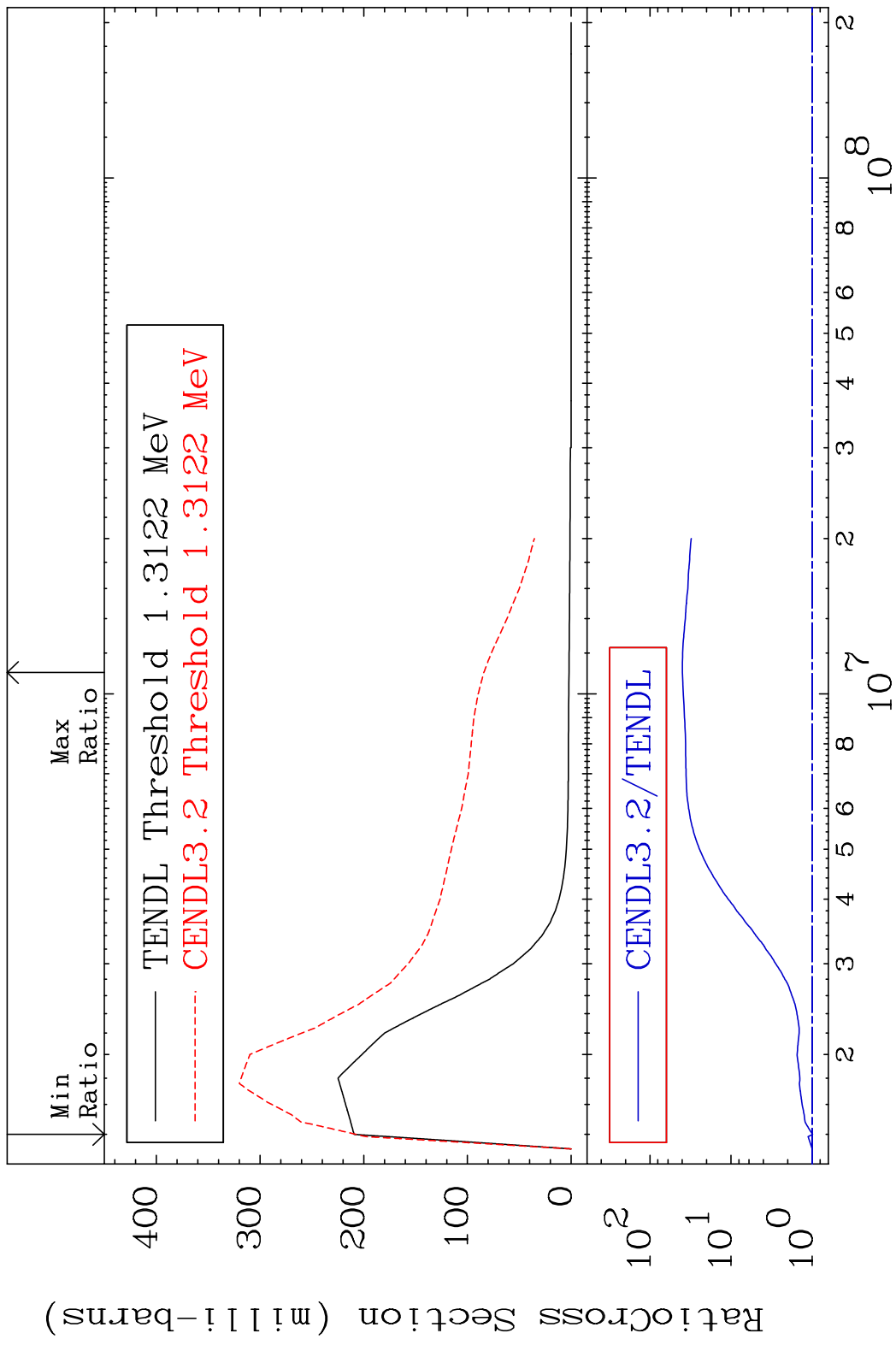


10 10 8 8 60-Nd-146

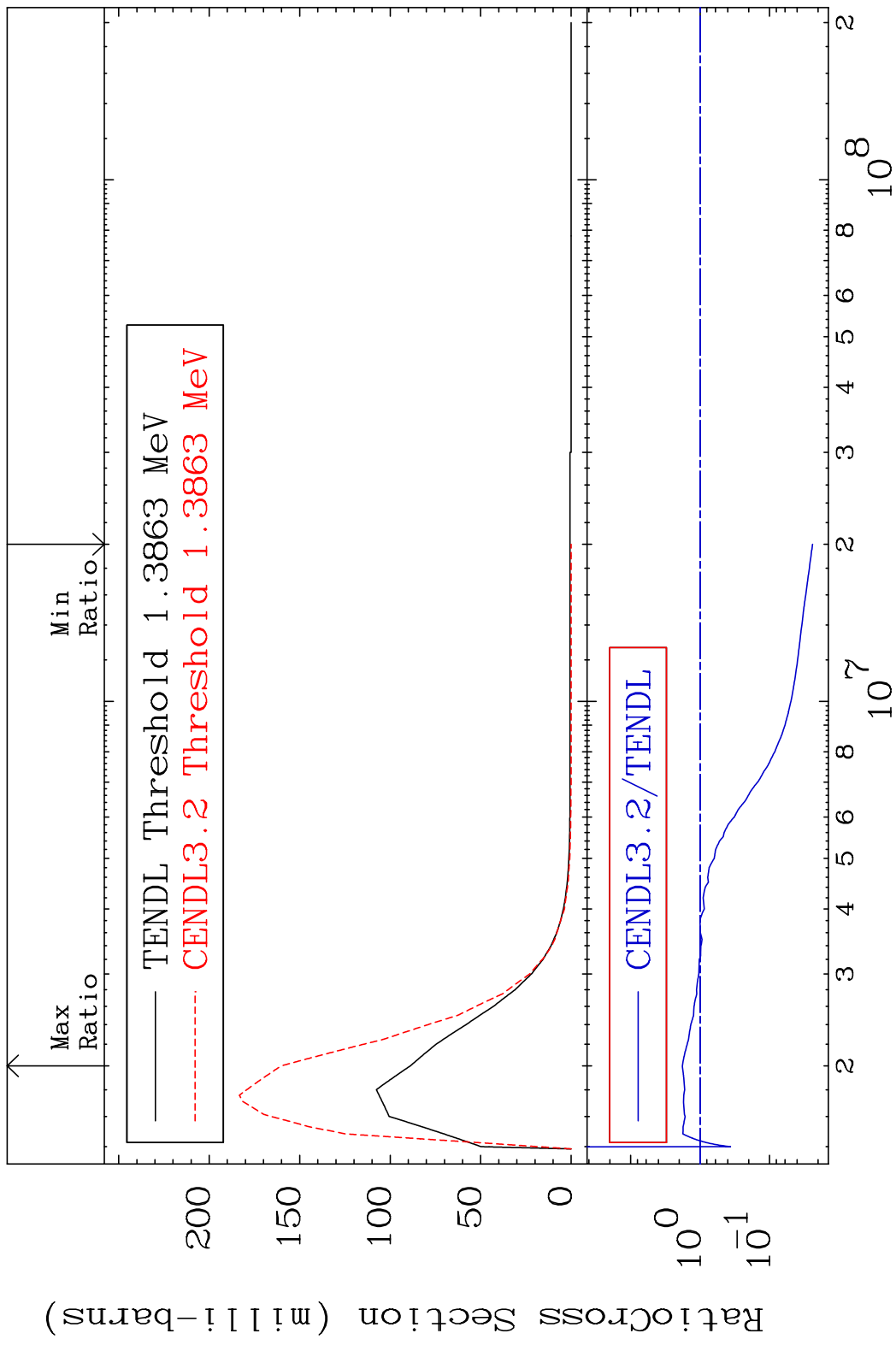
MAT 6037 MT= 54 (n, n') Level 60-Nd-146  
 Cross Section -81.37 To 134.6 %



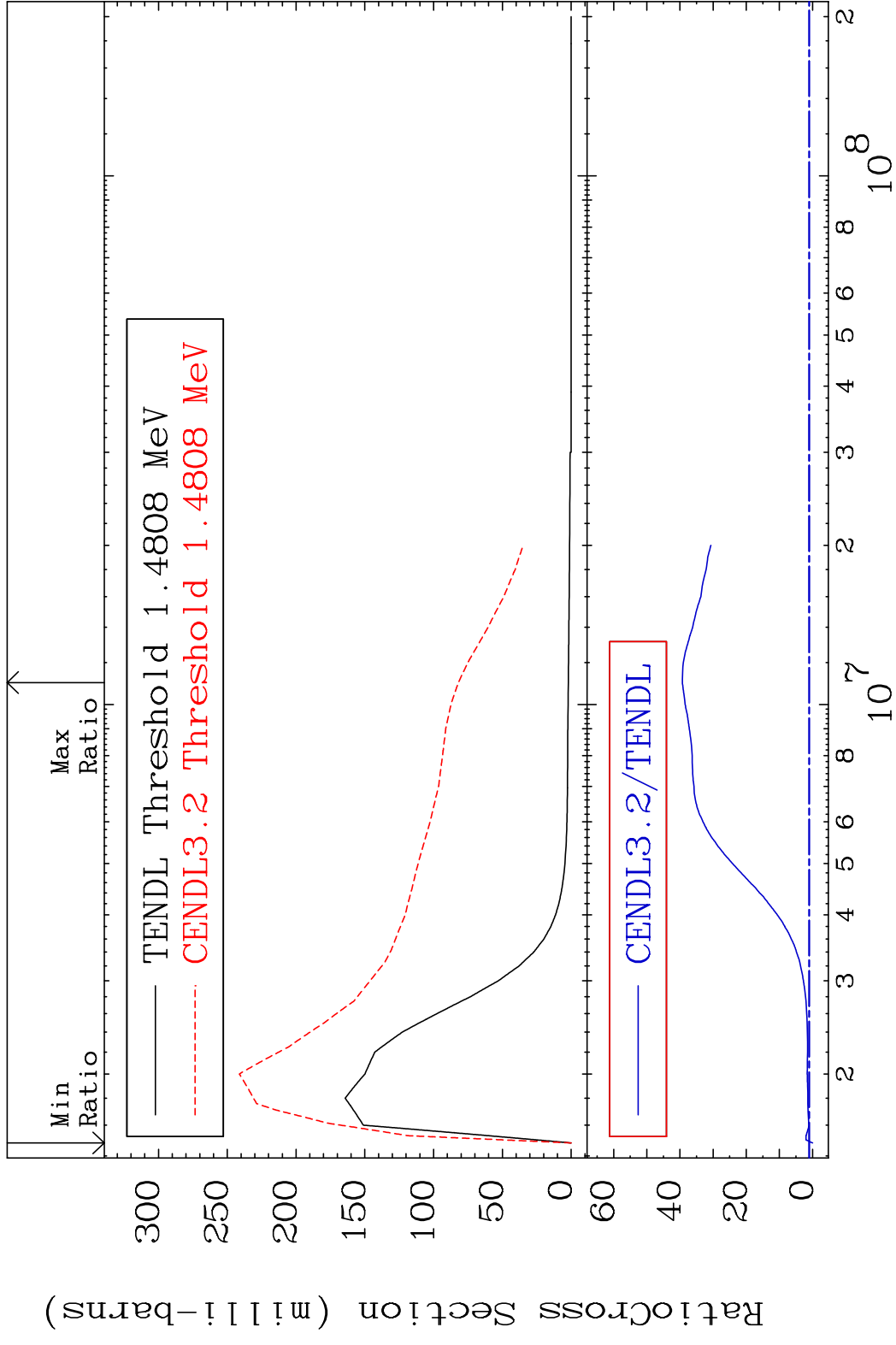
MAT 6037 MT= 55 (n,n') Level 60-Nd-146  
 Cross Section -1.111 To 3885. %



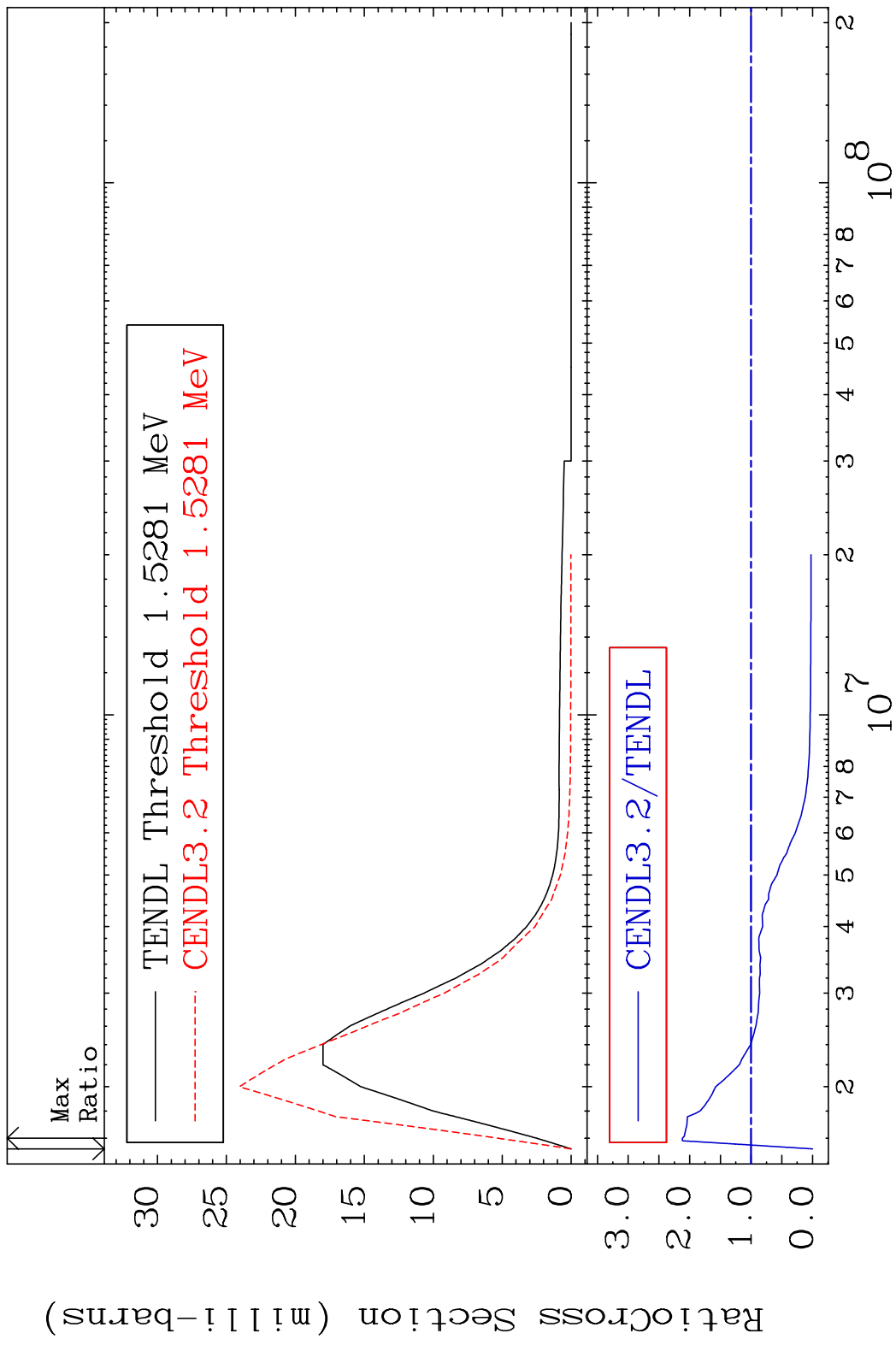
MAT 6037 MT= 56 (n, n') Level 60-Nd-146  
 Cross Section -97.60 To 80.36 %



MAT 6037 MT= 57 (n, n') Level 60-Nd-146  
 Cross Section -100.0 To 3828. %

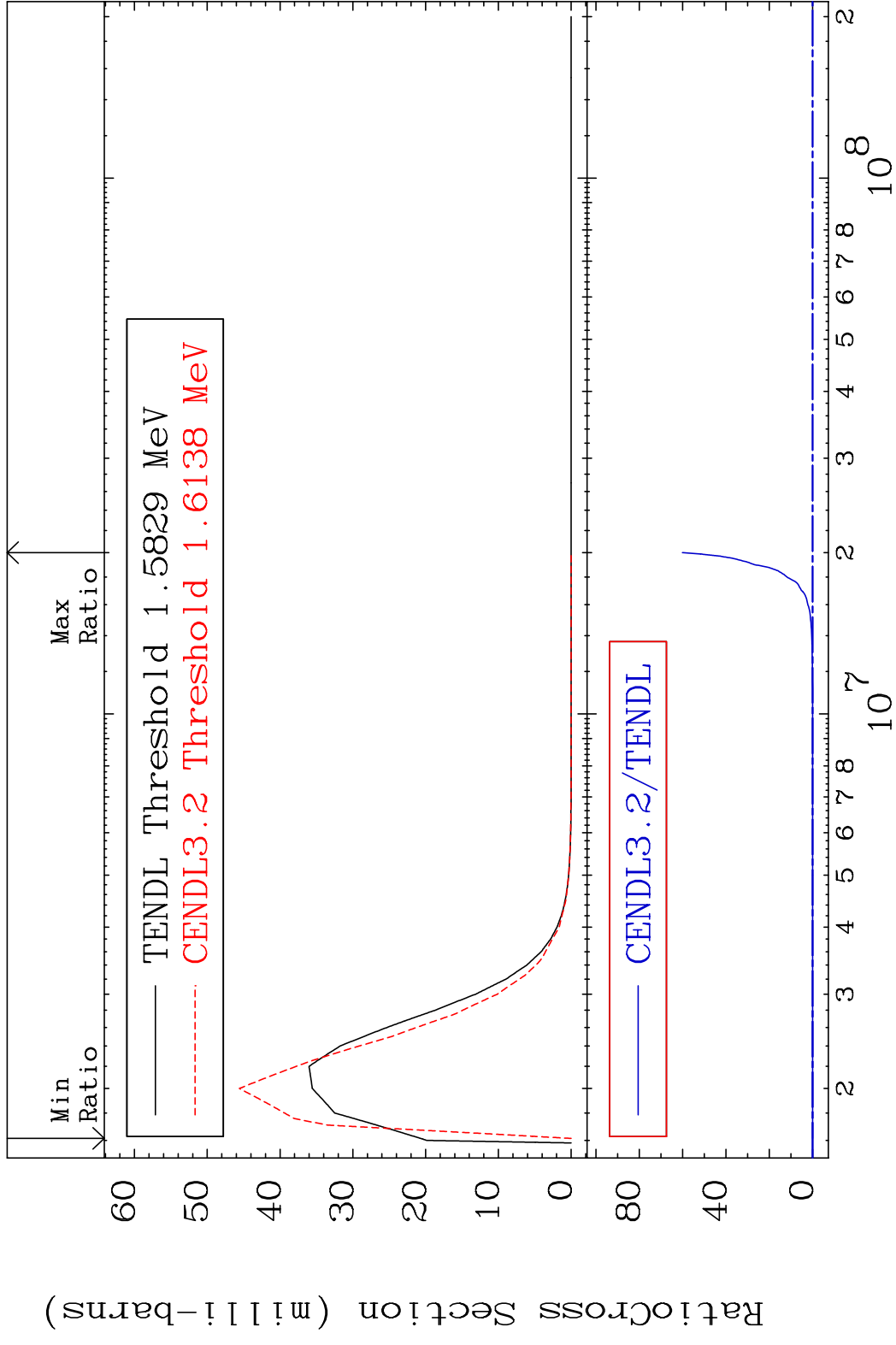


MAT 6037 MT= 58 (n, n') Level 60-Nd-146  
 Cross Section -100.0 To 111.9 %

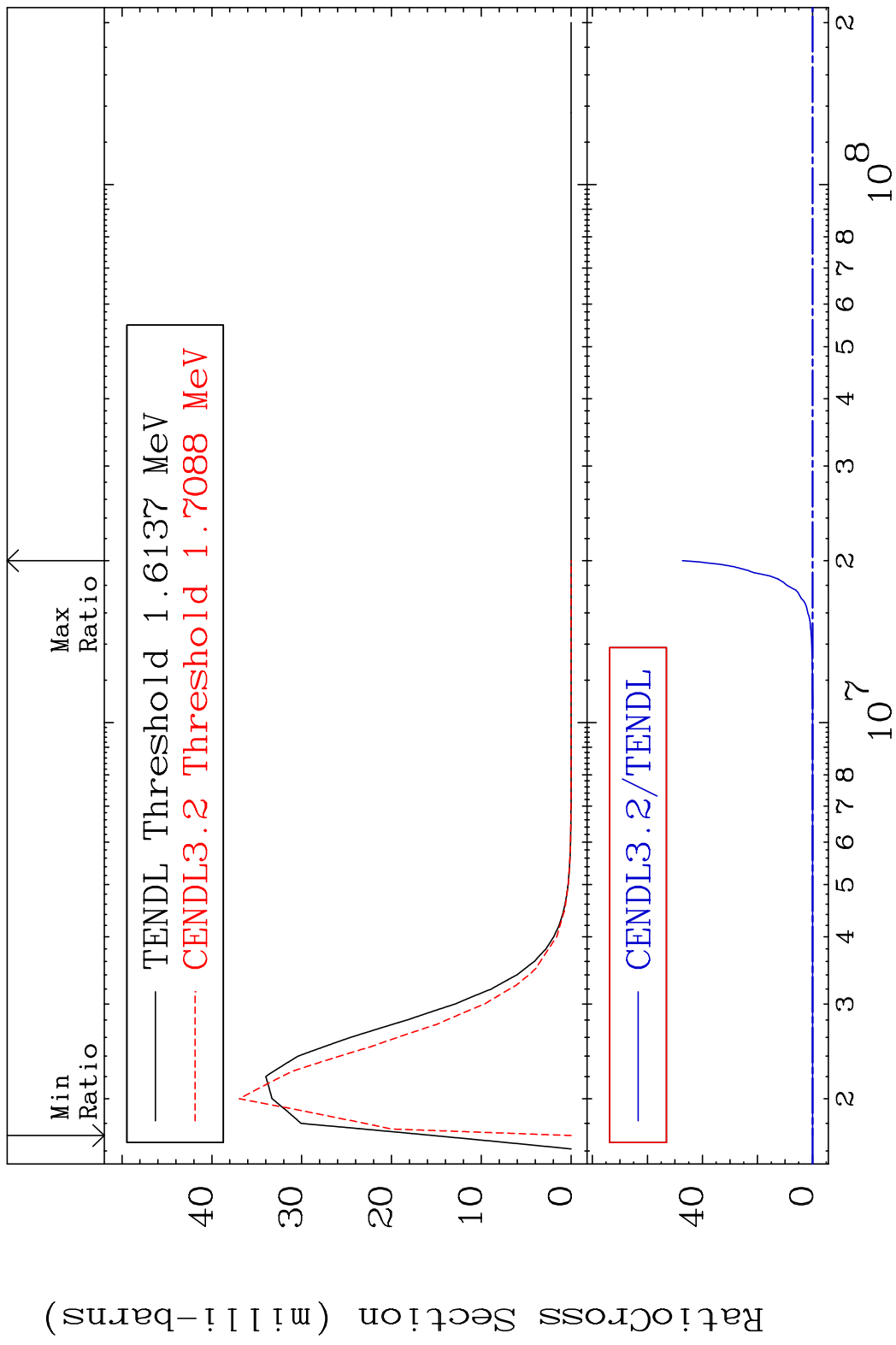




MAT 6037 MT= 59 (n, n') Level 60-Nd-146  
 Cross Section -100.0 To 9999. %

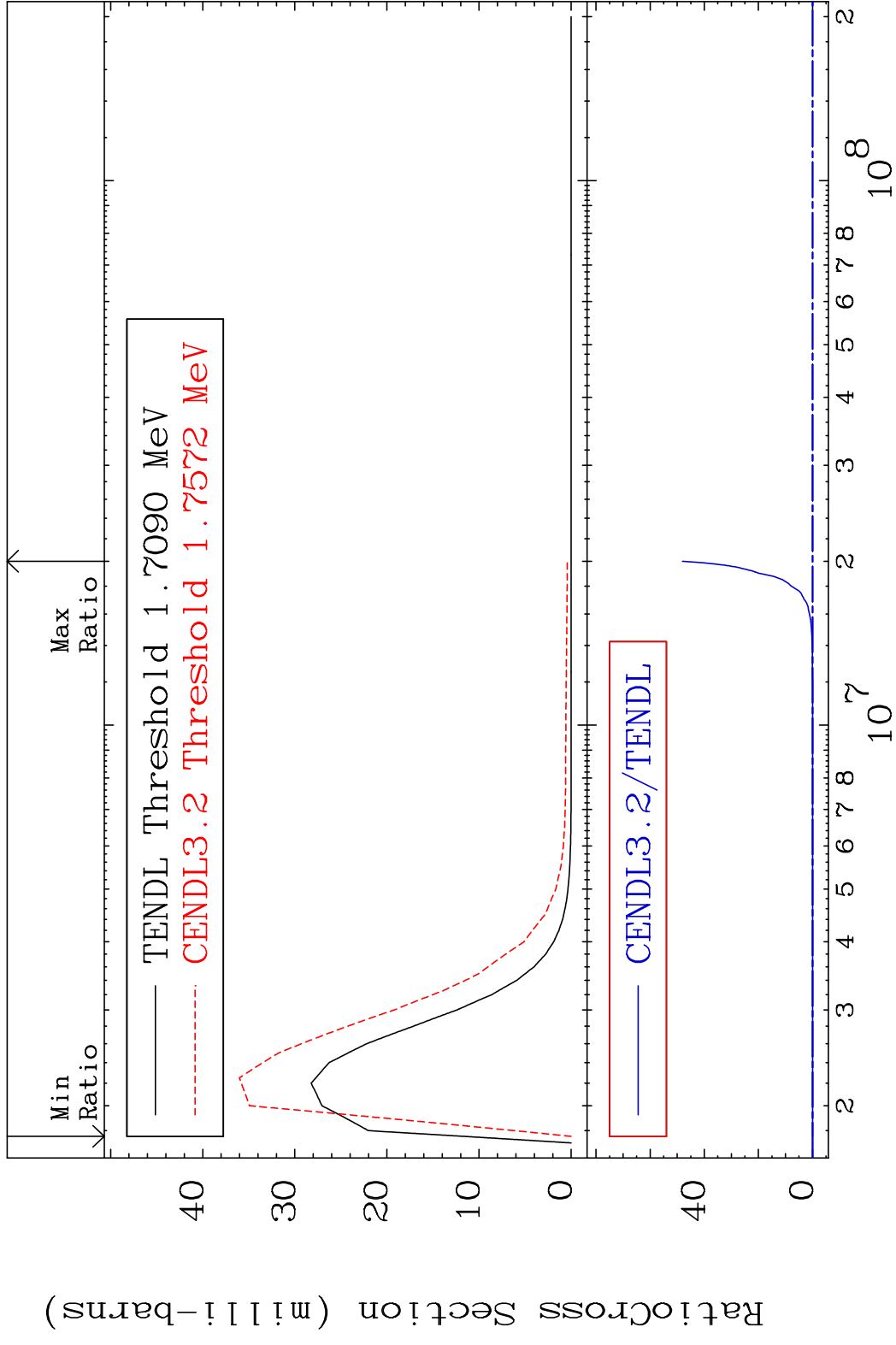


MAT 6037 MT= 60 (n, n') Level 60-Nd-146  
 Cross Section -100.0 To 9999. %

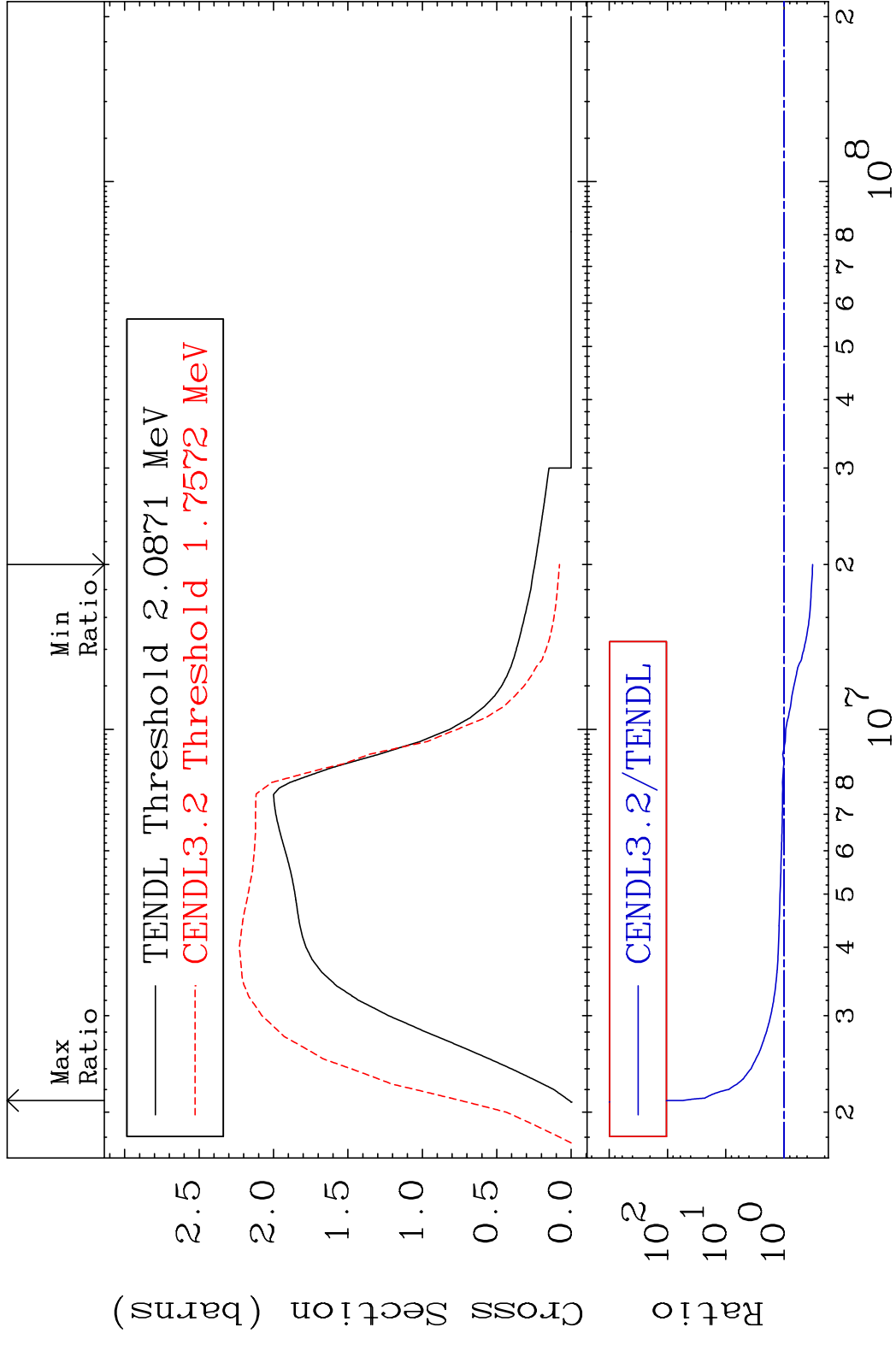


17 Incident Energy (eV) 60-Nd-146

MAT 6037 MT= 61 (n, n') Level 60-Nd-146  
 Cross Section -100.0 To 9999. %



MAT 6037 (n, n') Continuum 60-Nd-146  
 Cross Section -67.57 To 5453. %

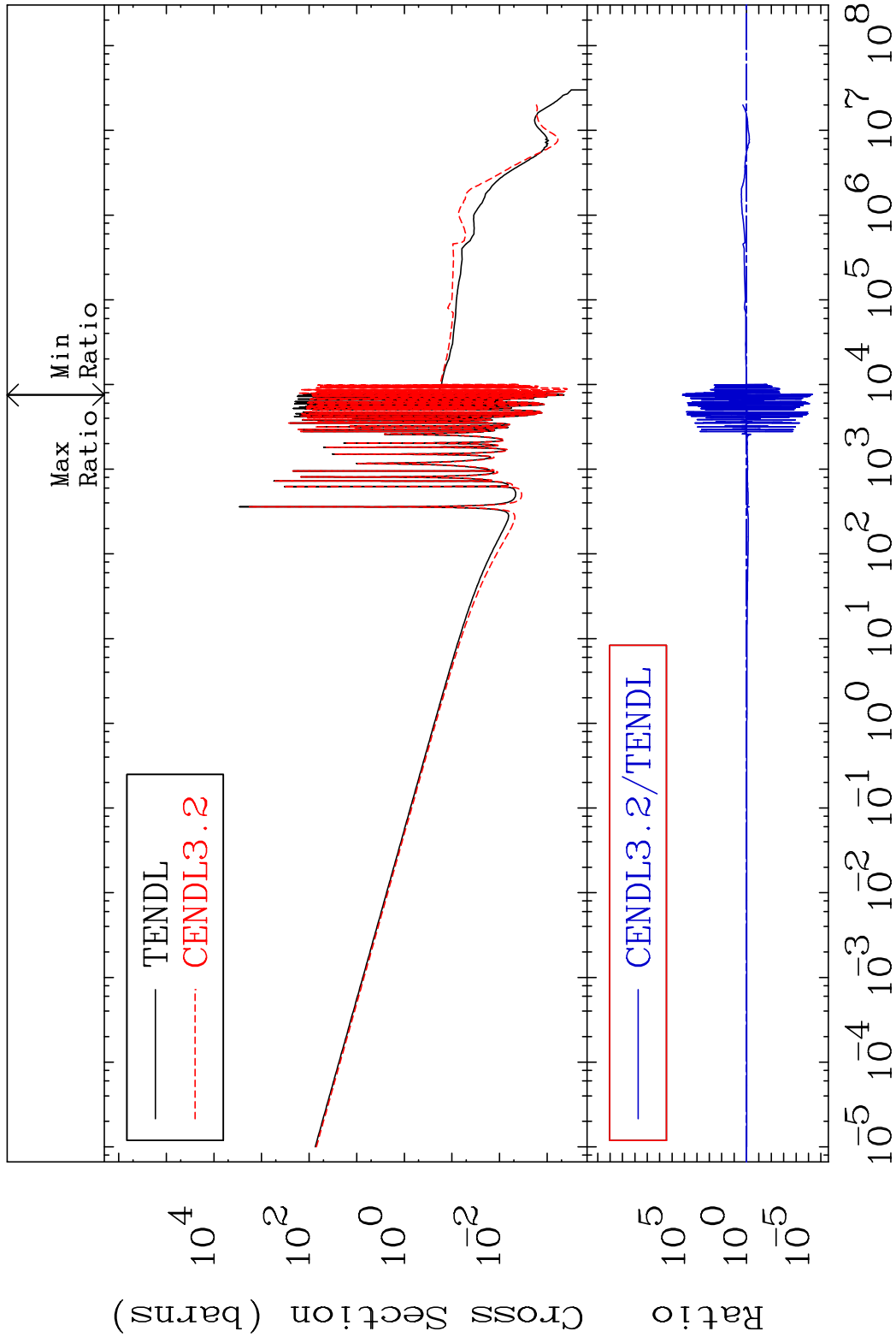


MAT 6037

(n,  $\gamma$ )

60-Nd-146

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

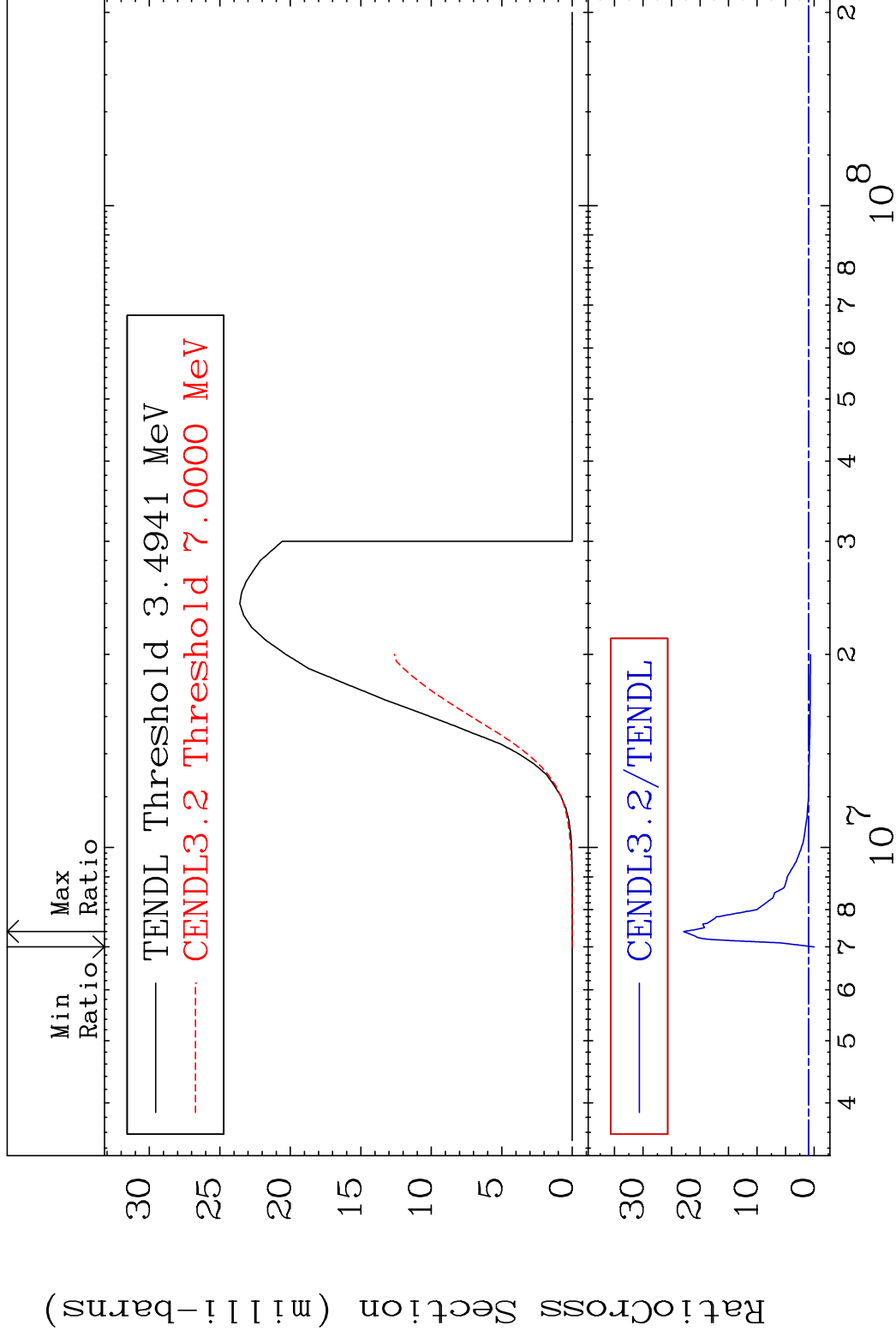
60-Nd-146

MAT 6037

(n,p)

60-Nd-146

Cross Section -100.0 To 2188. %



21

Incident Energy (eV)

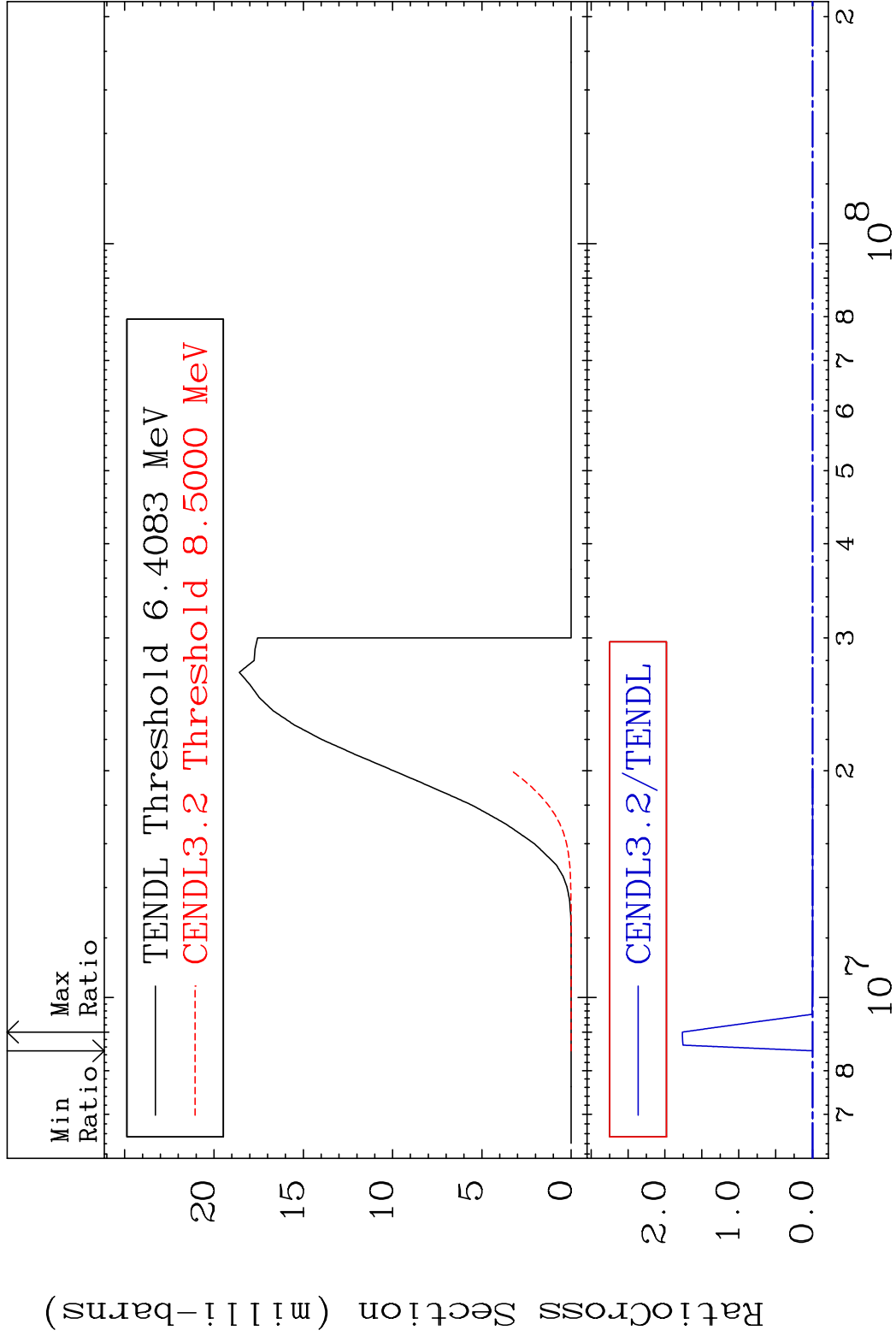
60-Nd-146

MAT 6037

(n,d)

60-Nd-146

Cross Section -100.0 To 9999. %

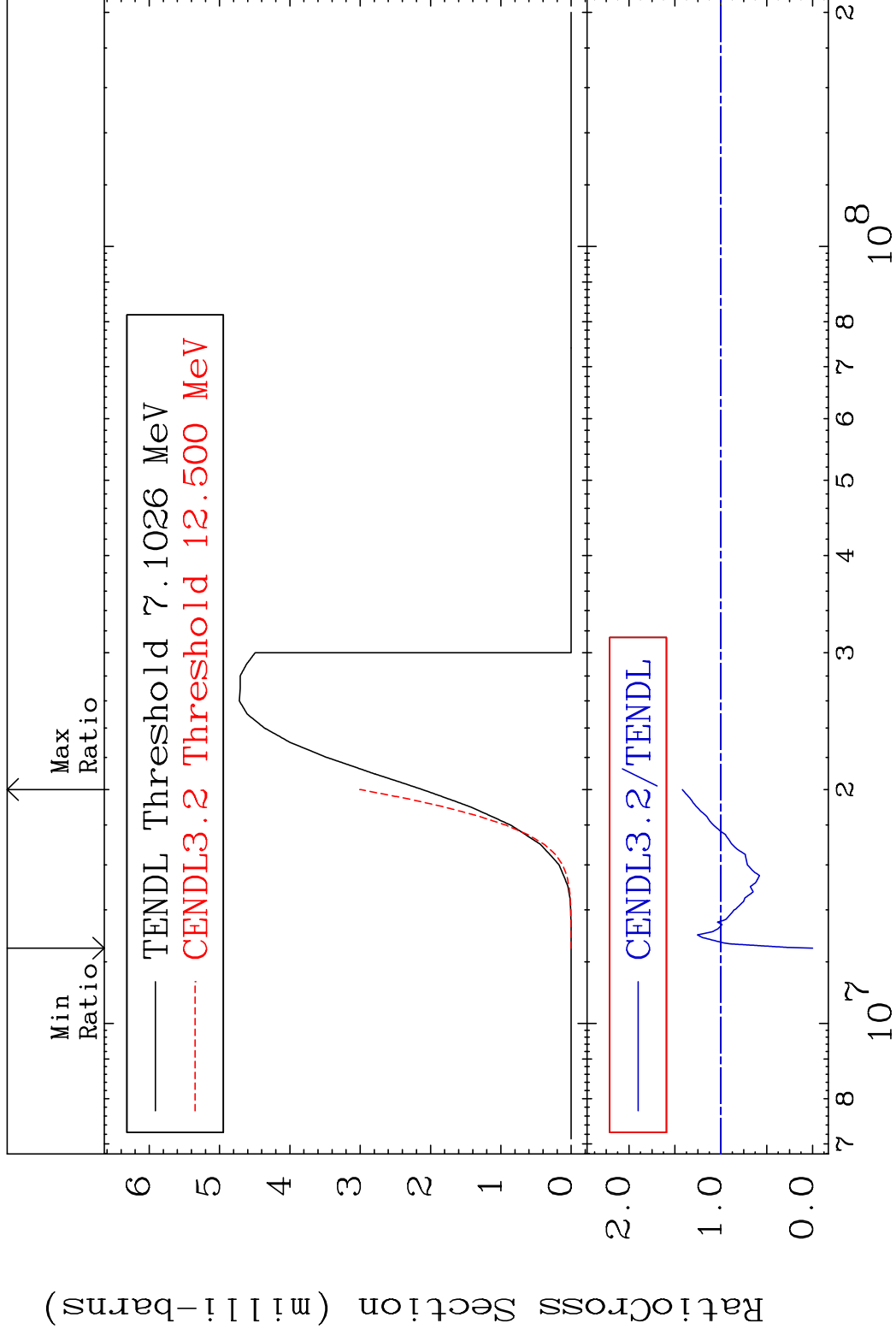


MAT 6037

(n, t)

60-Nd-146

Cross Section -100.0 To 41.92 %



23

Incident Energy (eV)

60-Nd-146

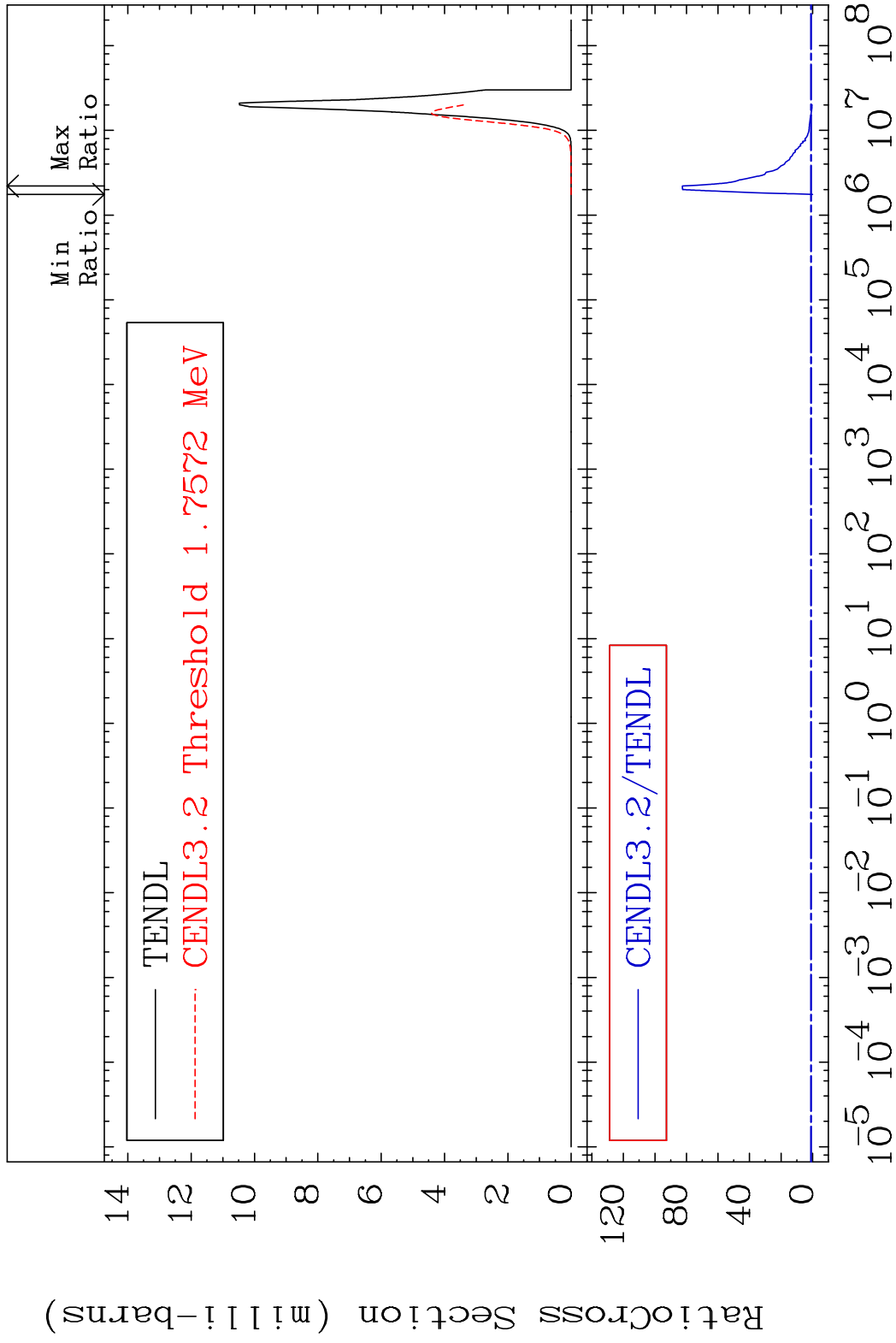


MAT 6037

(n,  $\alpha$ )

60-Nd-146

Cross Section -100.0 To 8160. %



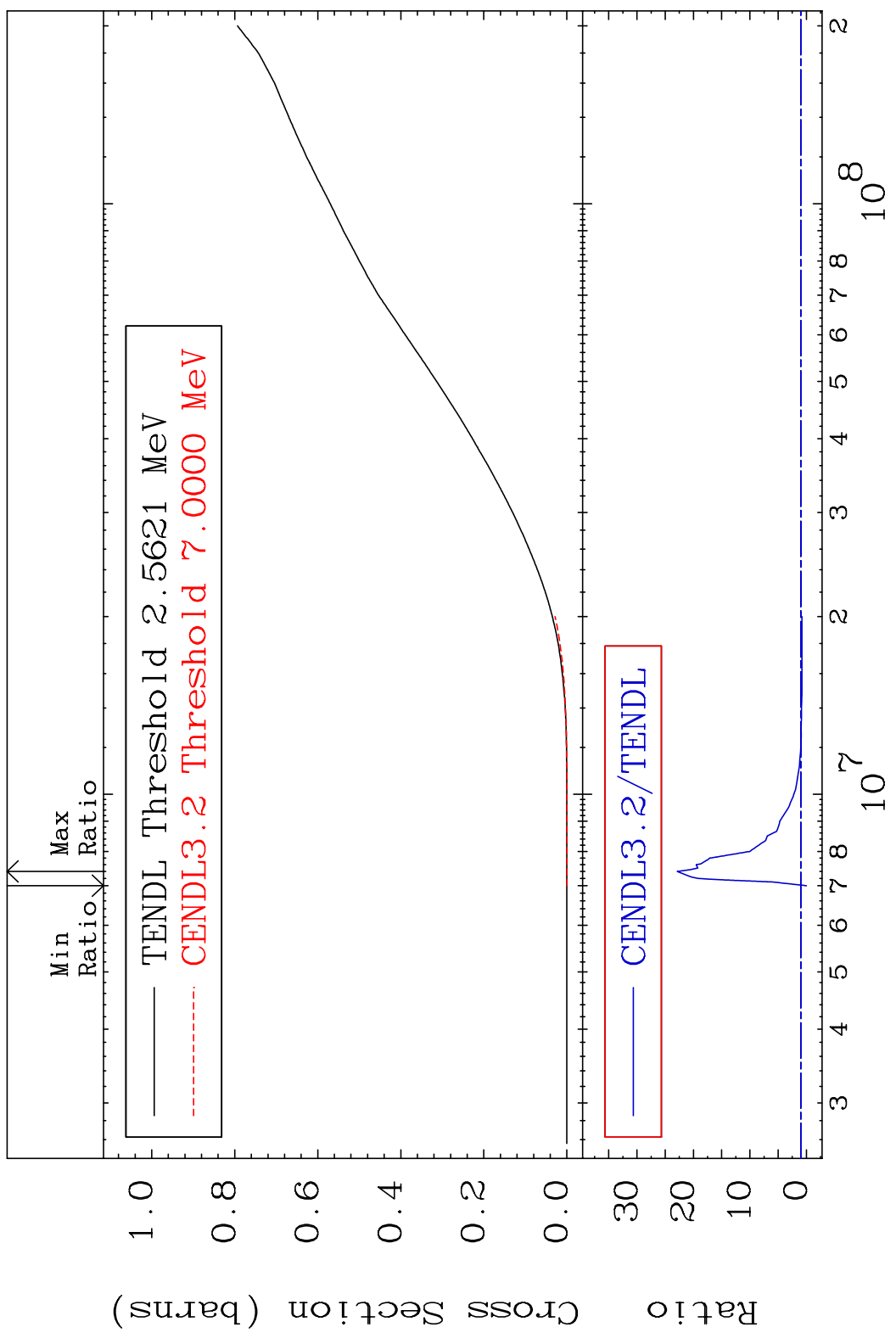
24

Incident Energy (eV)

60-Nd-146

MAT 6037

Hydrogen Production 60-Nd-146  
Cross Section -100.0 To 2188. %



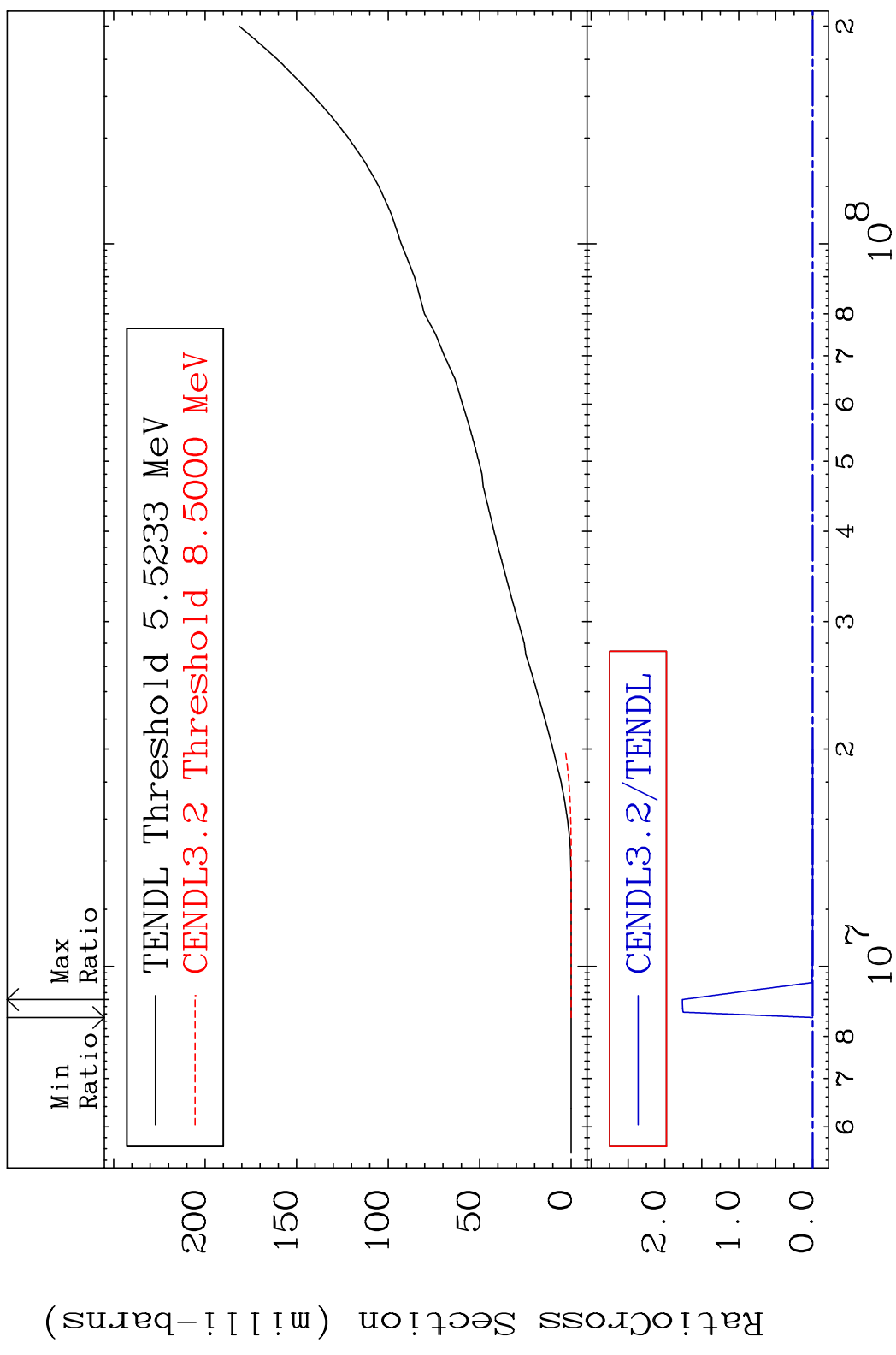
25

Incident Energy (eV)

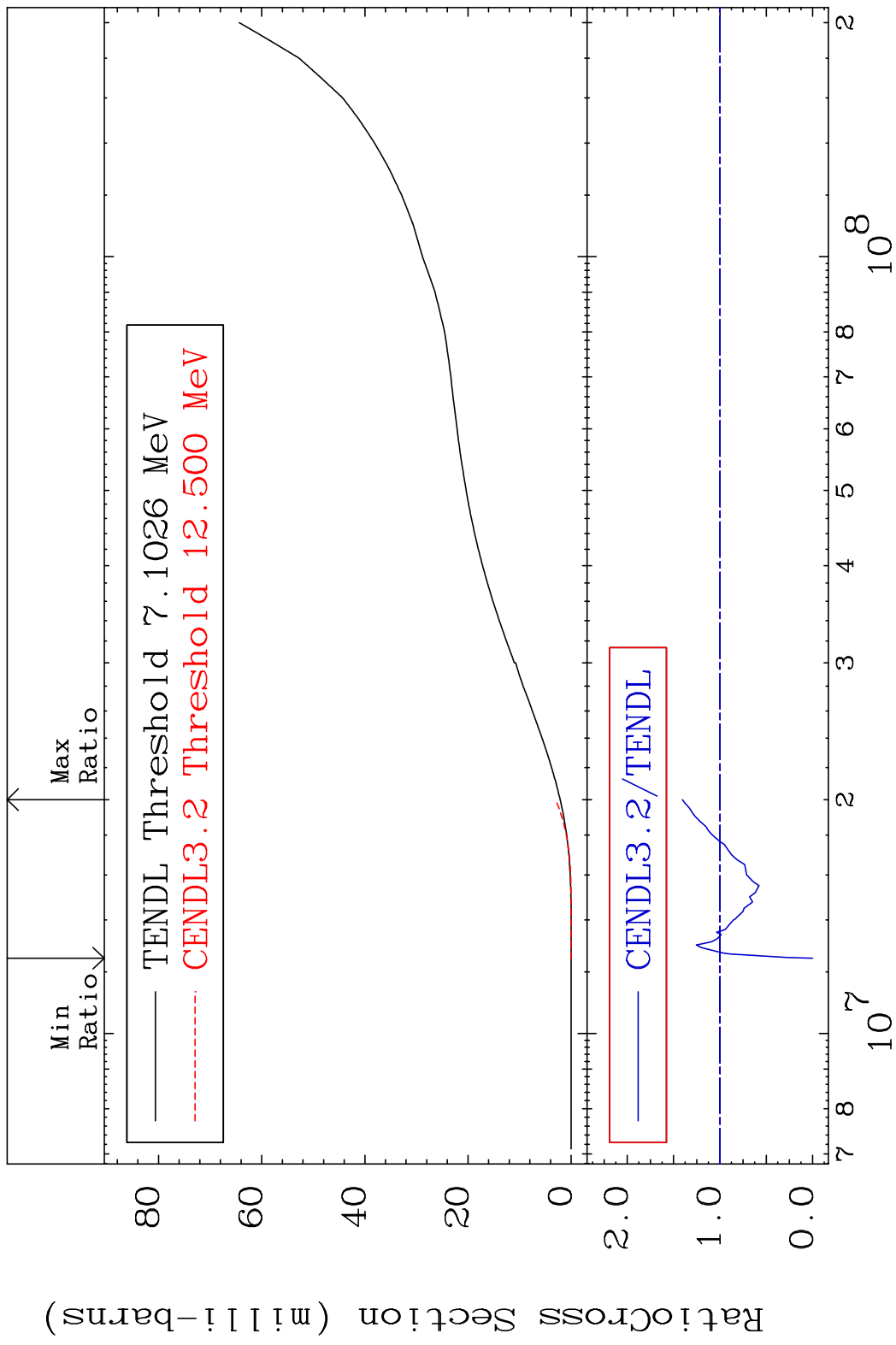
60-Nd-146

MAT 6037

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



MAT 6037 Tritium Production 60-Nd-146  
 Cross Section -100.0 To 40.55 %

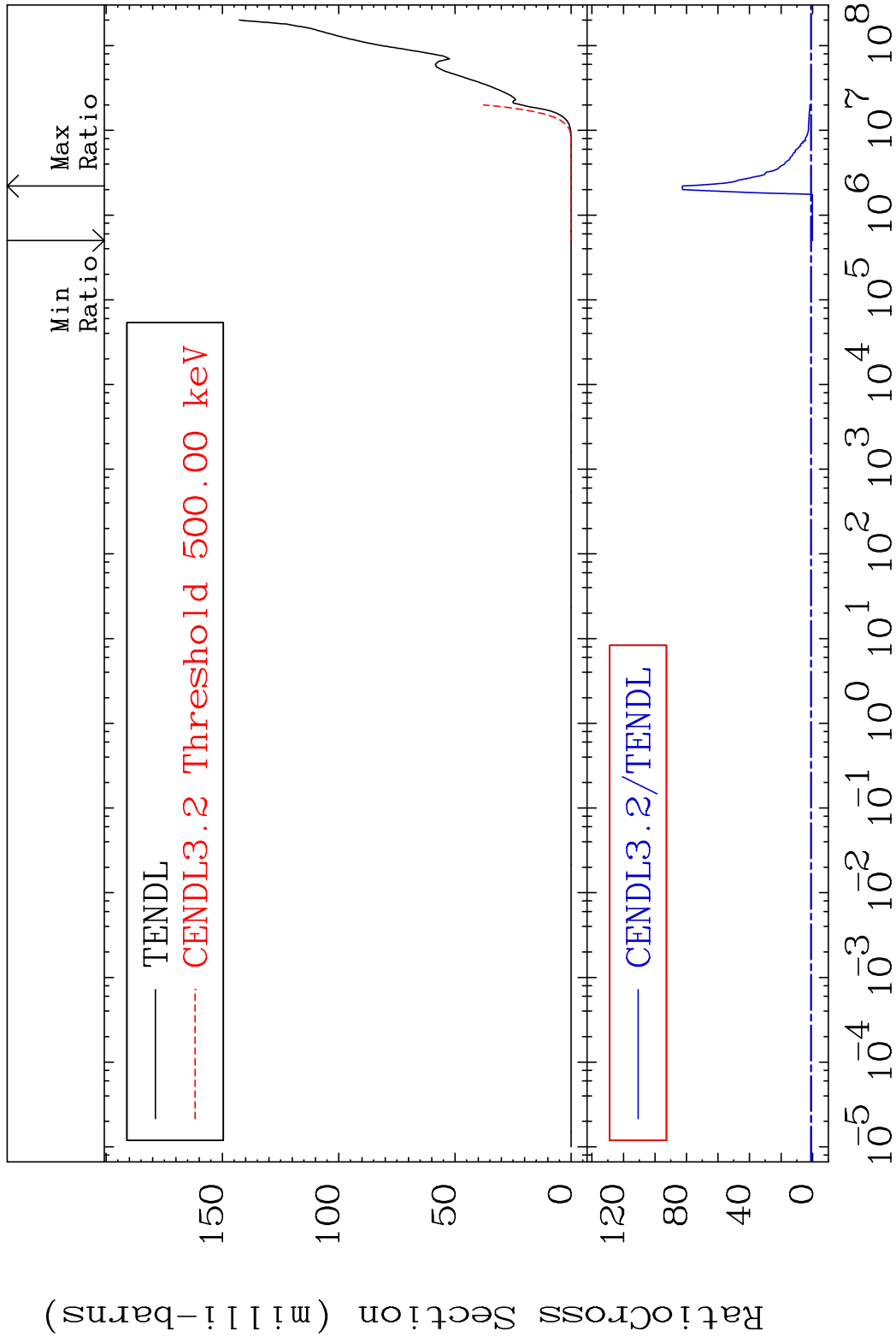


MAT 6037

He-4 Production

60-Nd-146

Cross Section -100.0 To 8163. %



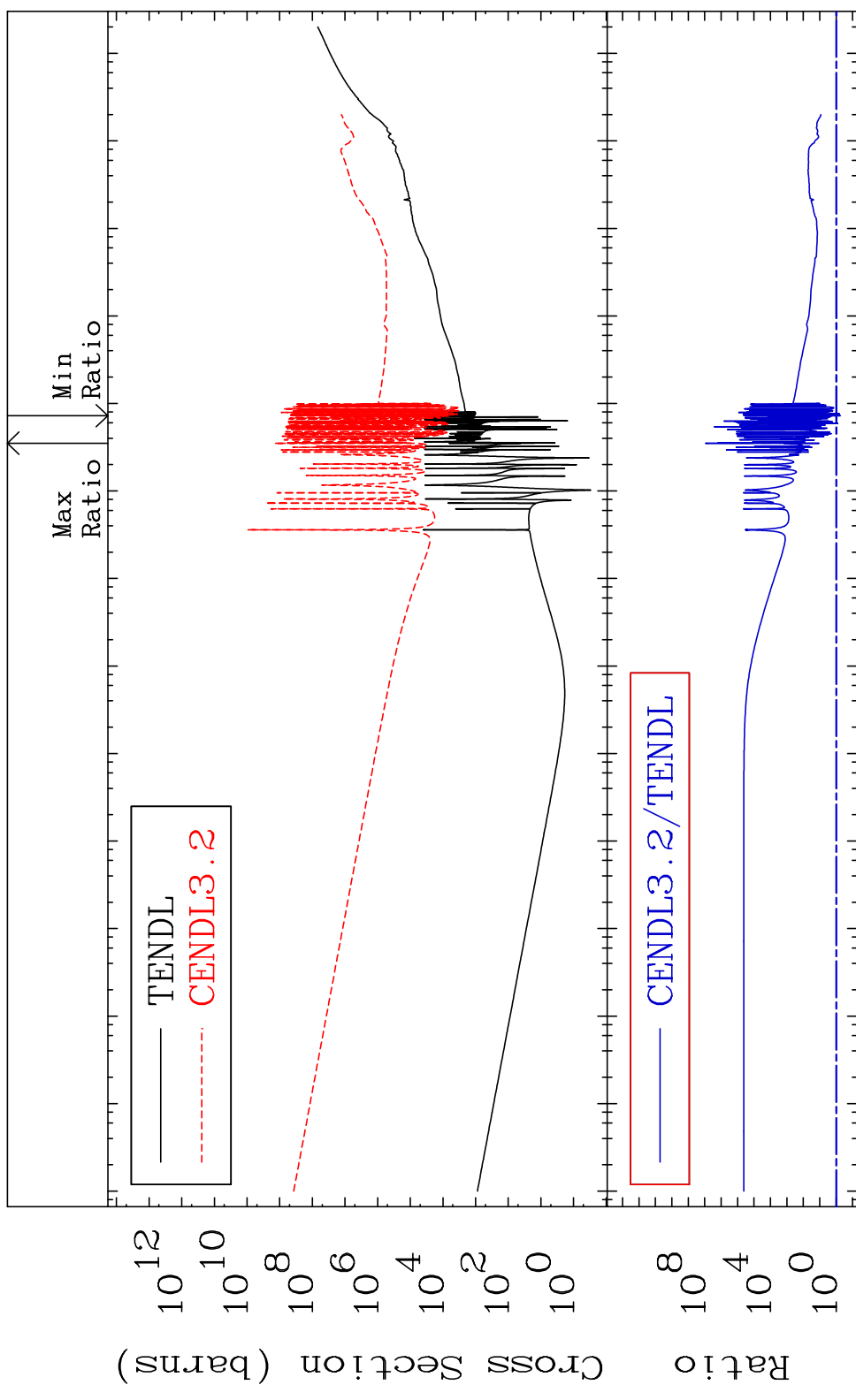
28

Incident Energy (eV)

60-Nd-146

MAT 6037

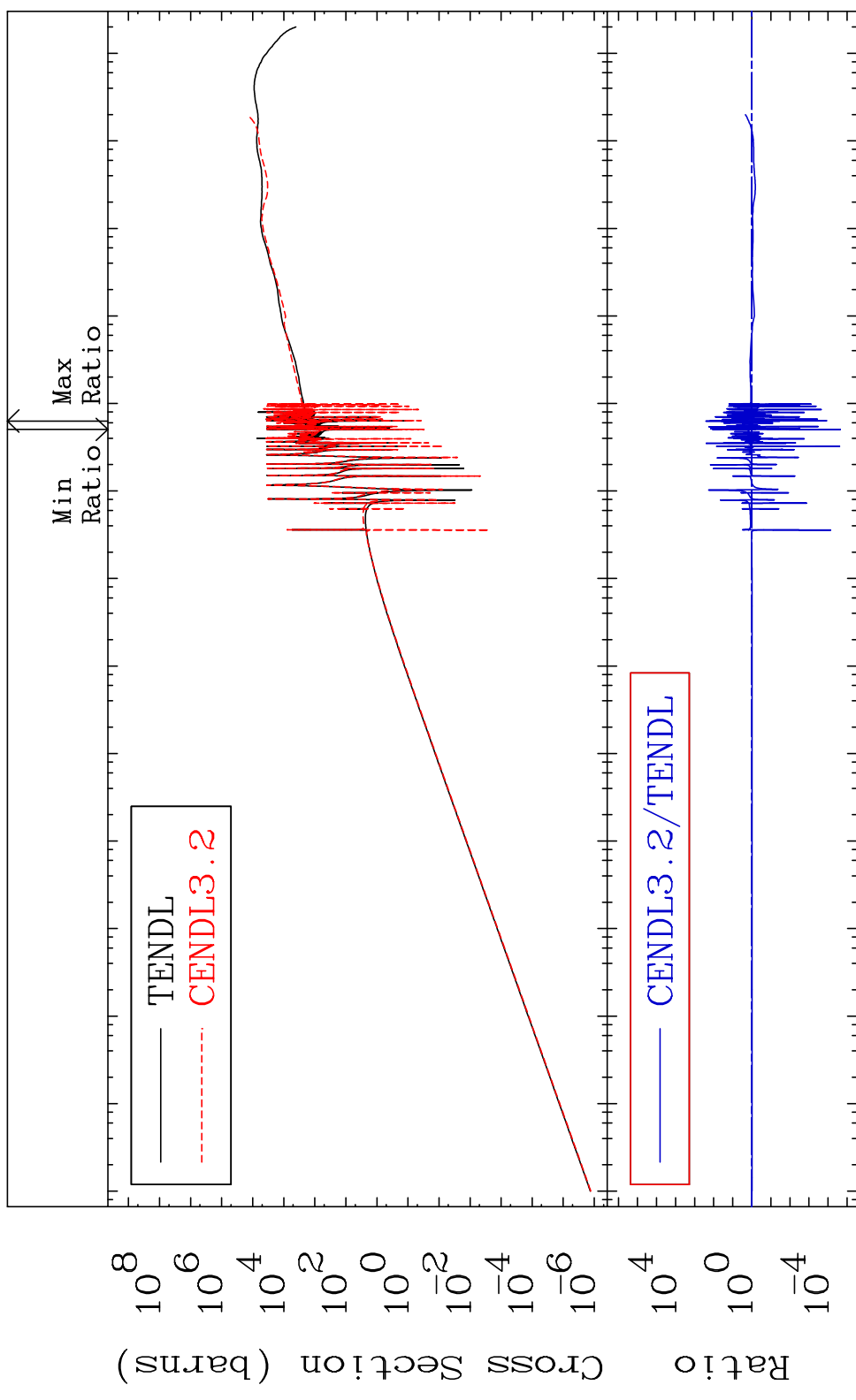
Kerma total (eV-barns) 60-Nd-146  
Cross Section -44.82 To 9999. %



MAT 6037

Kerma elastic  
Cross Section -100.0 To 9999. %

60-Nd-146

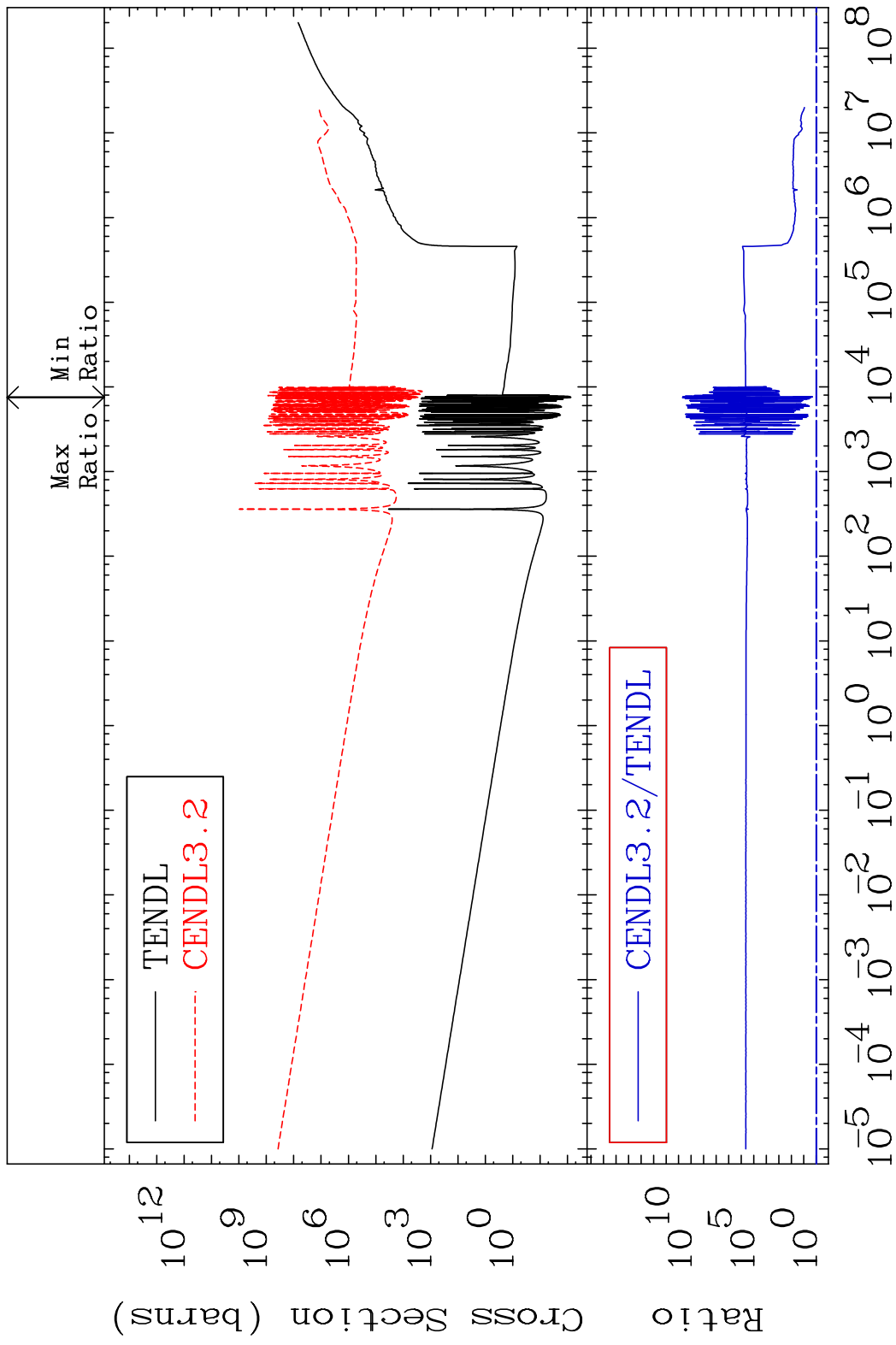


30

Incident Energy (eV)

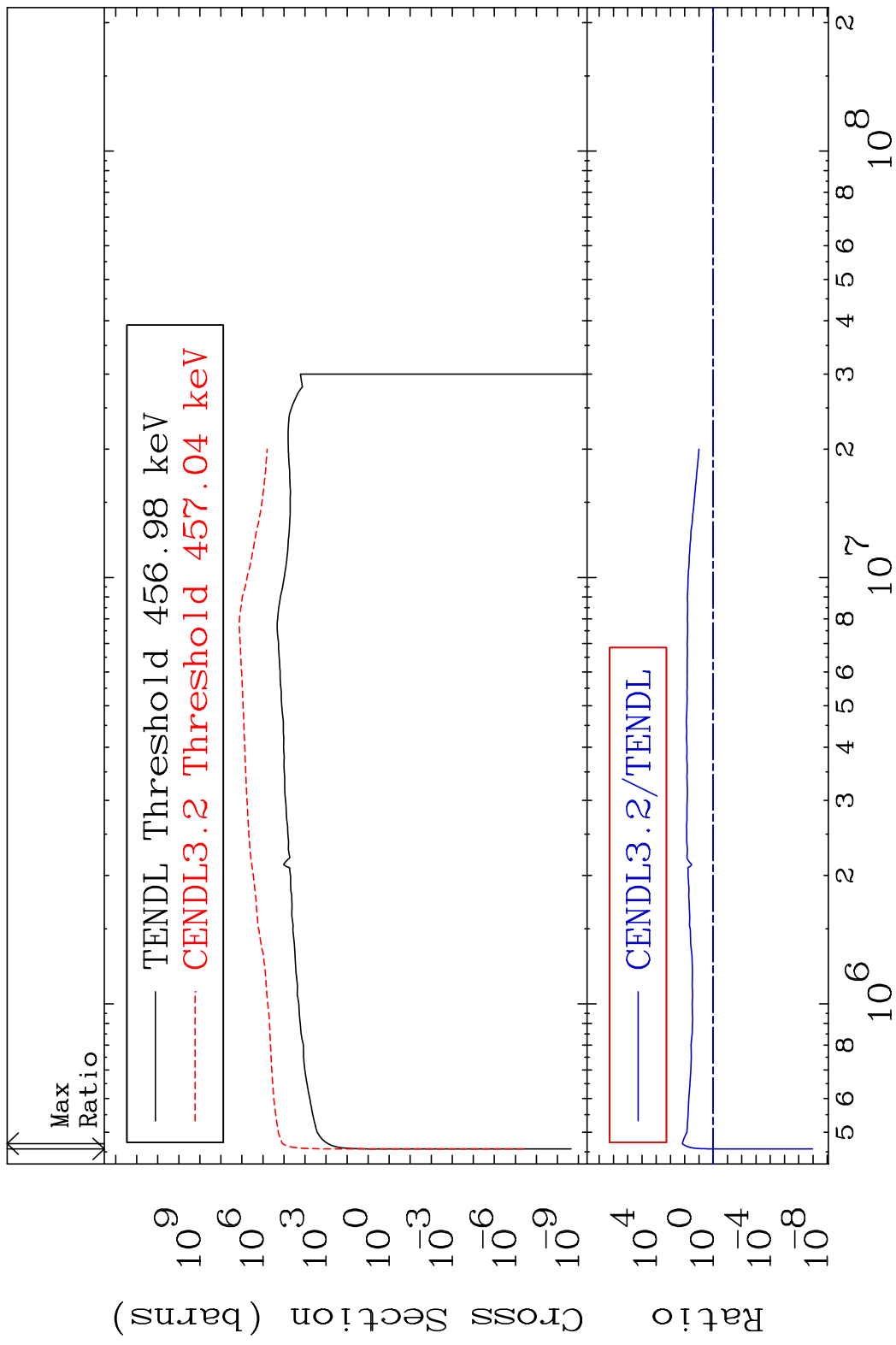
60-Nd-146

MAT 6037 Kerma non-elastic (all but mt2) 60-Nd-146  
 Cross Section 100.3 To 9999. %

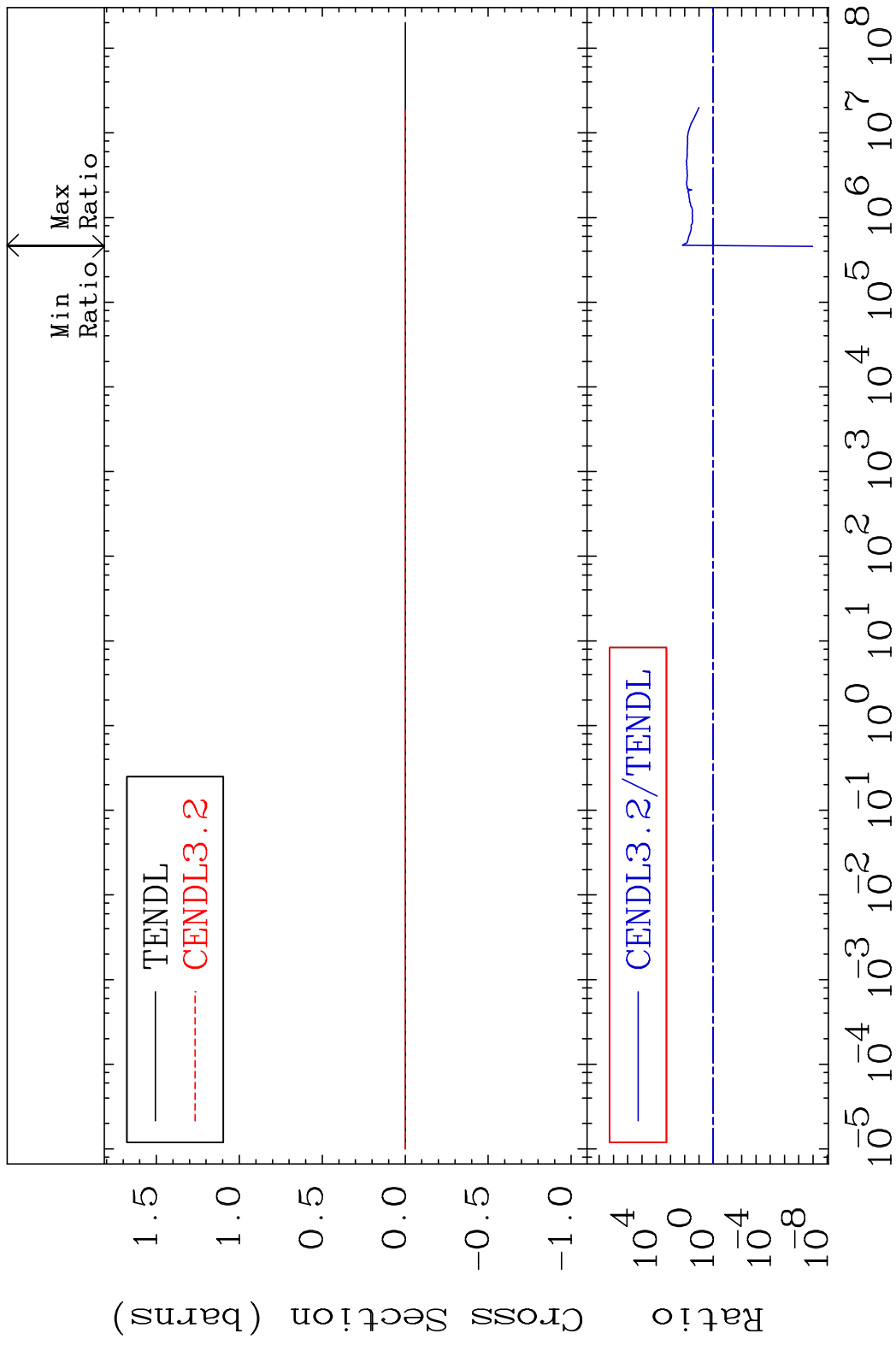




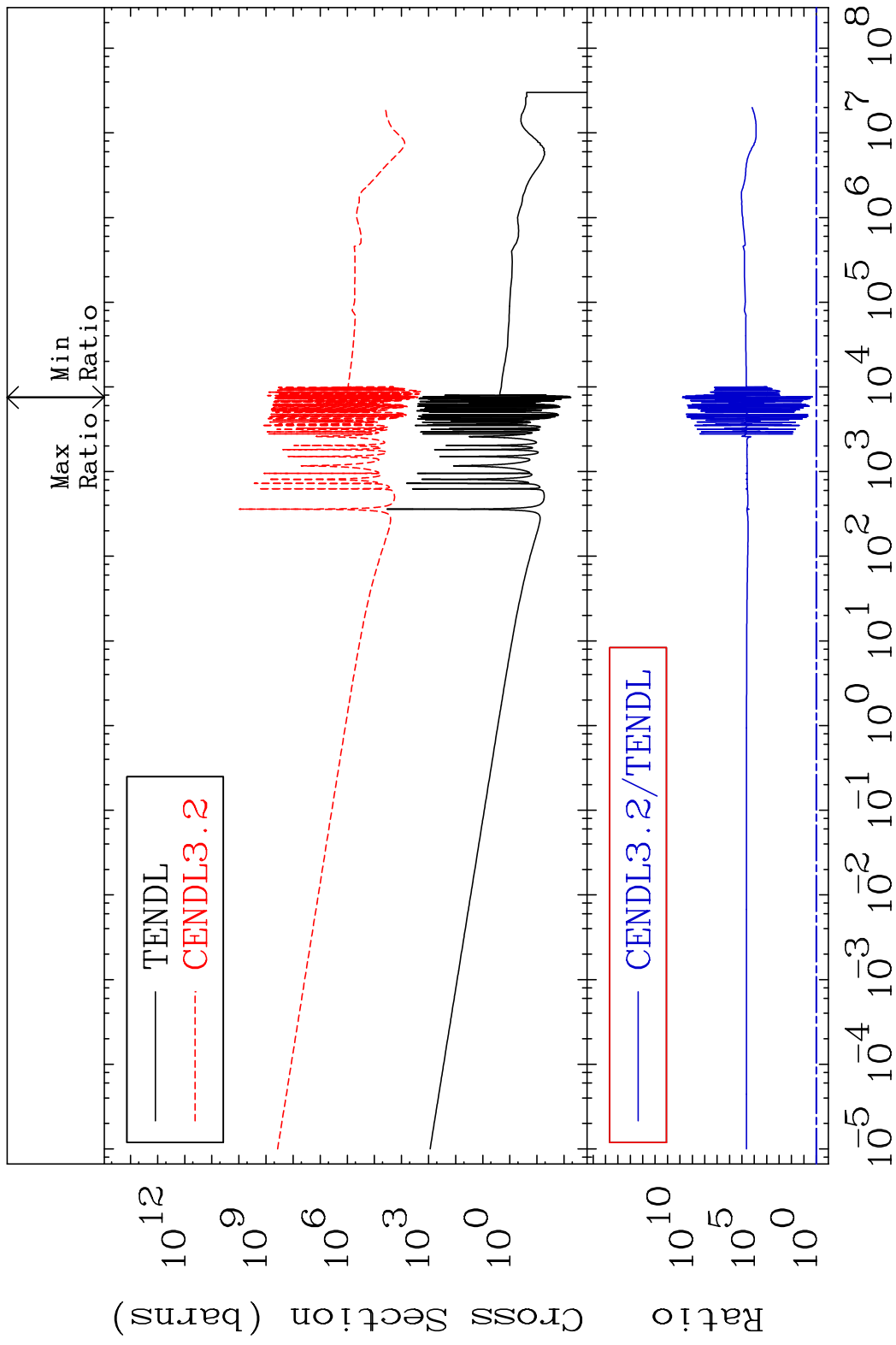
MAT 6037 Kerma inelastic (mt51-91) 60-Nd-146  
 Cross Section -100.0 To 9999. %



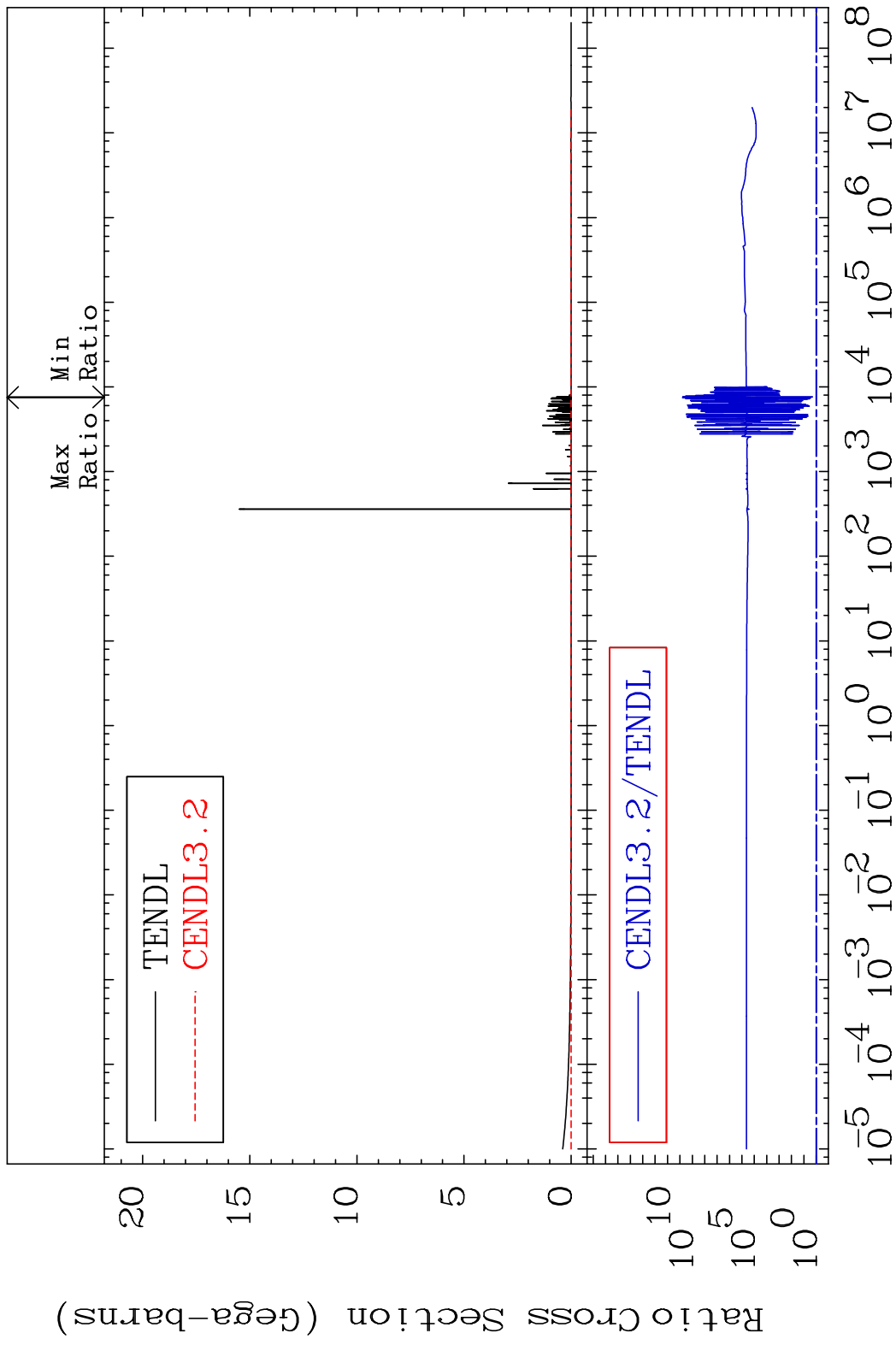
MAT 6037 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-146  
 Cross Section -100.0 To 9999. %



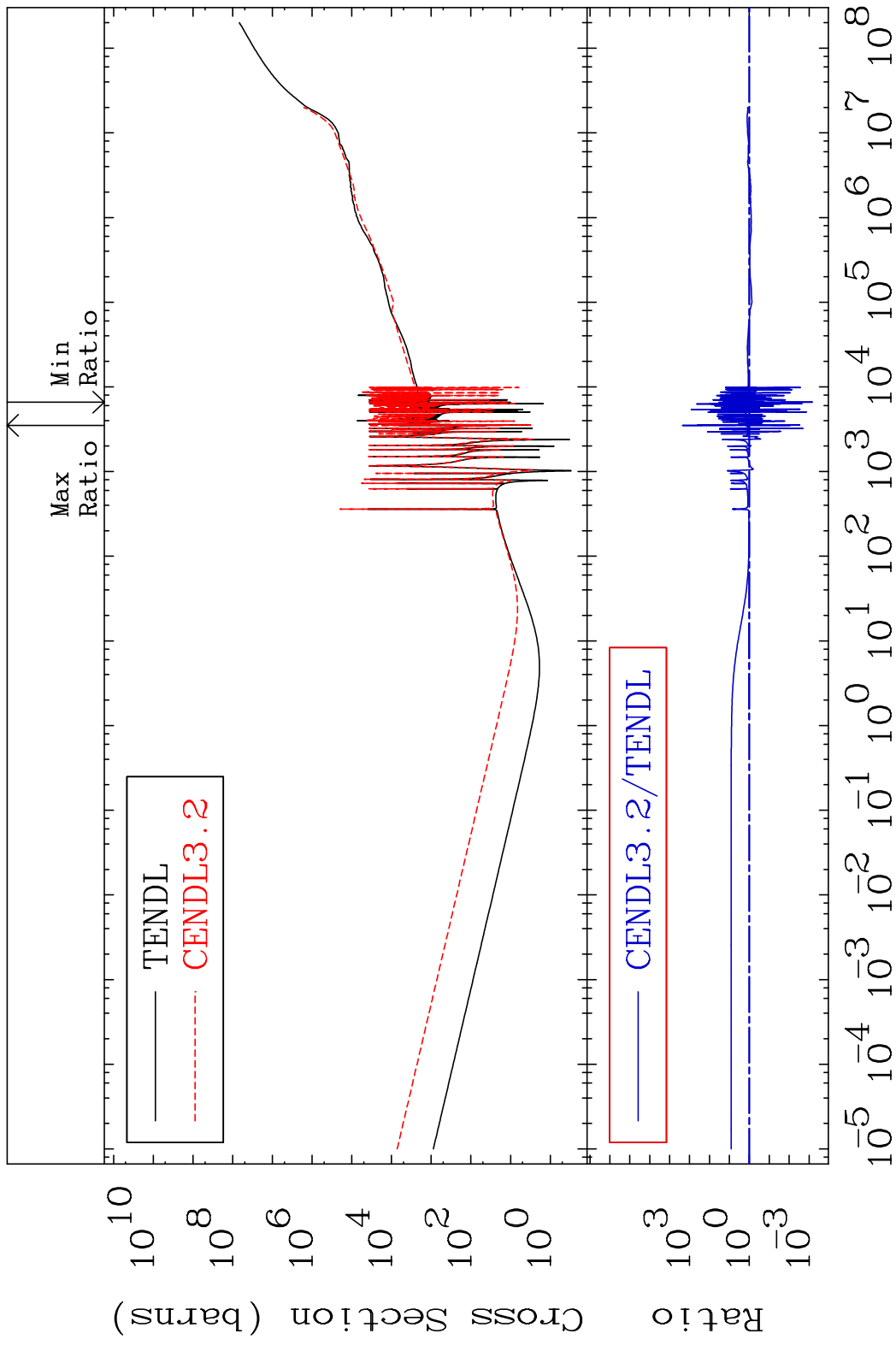
MAT 6037 Kerma capture (mt102) 60-Nd-146  
 Cross Section 100.3 To 9999. %



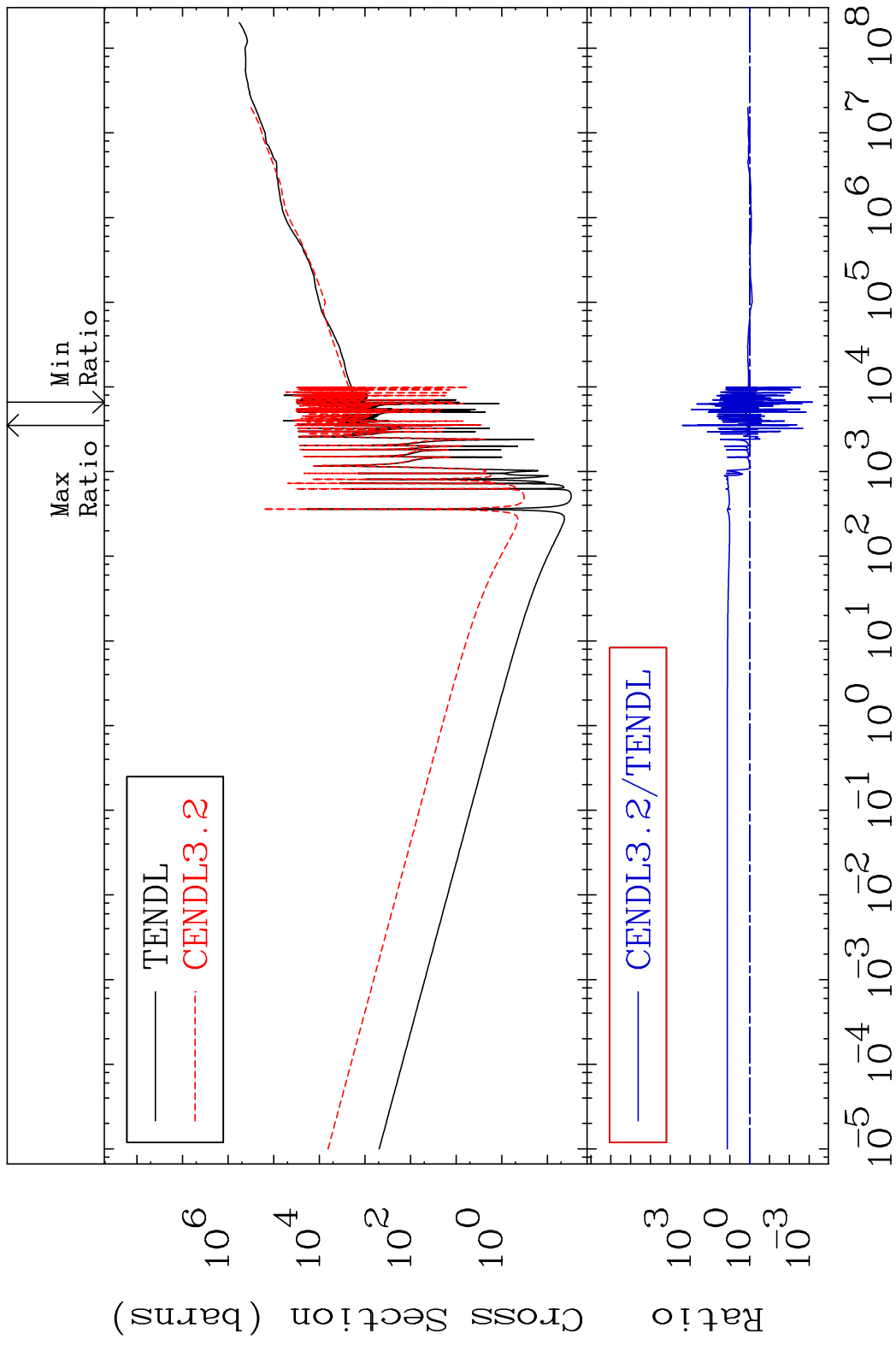
MAT 6037 Total photon (eV-barns) 60-Nd-146  
 Cross Section 100.3 To 9999. %



MAT 6037 Total kinematic kerma (high limit) 60-Nd-146  
 Cross Section -99.93 To 9999. %



MAT 6037      Dpa total (eV-barns)      60-Nd-146  
 Cross Section      -99.93 To 9999. %

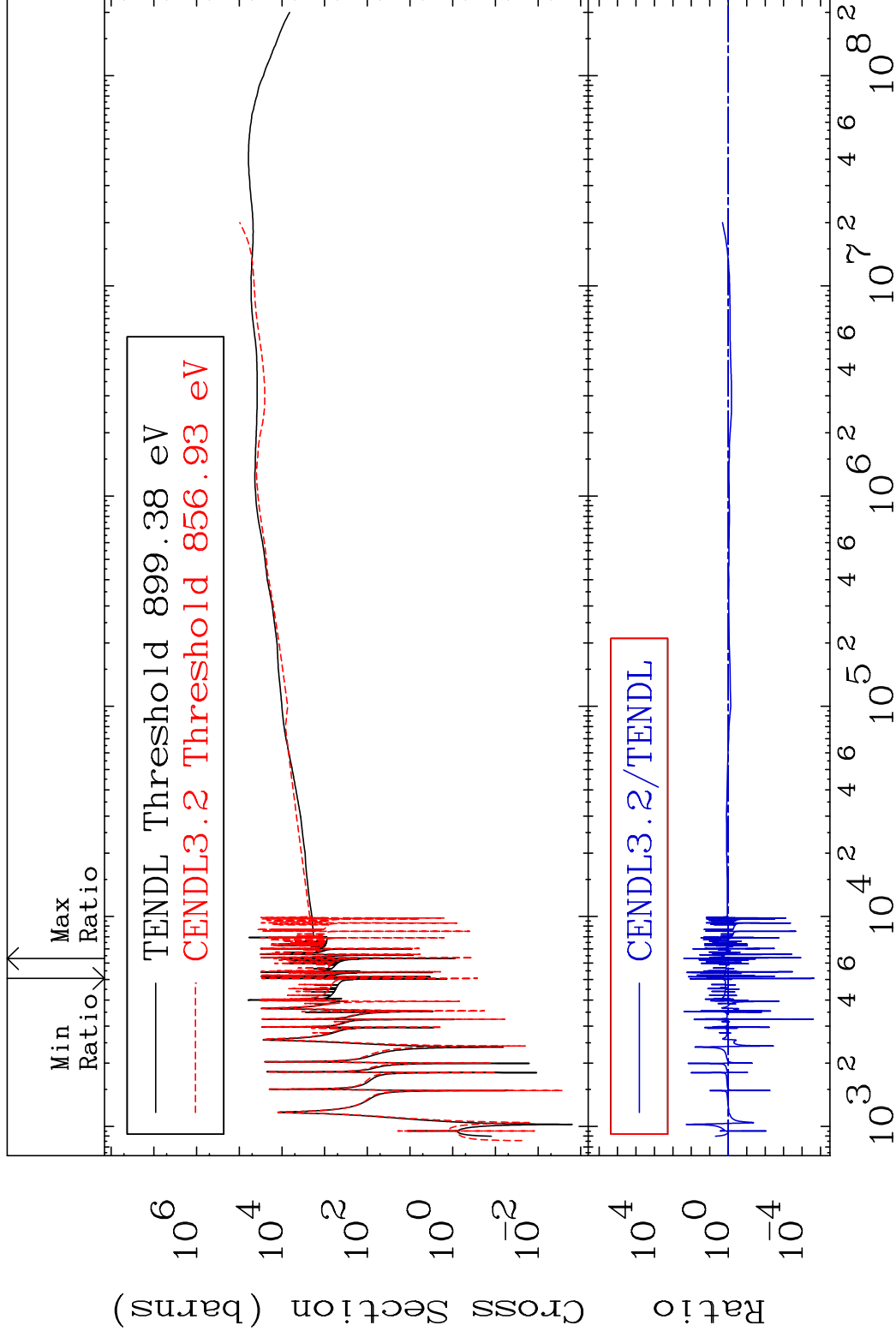


MAT 6037

Dpa elastic (mt2)

60-Nd-146

Cross Section -100.0 To 9999. %

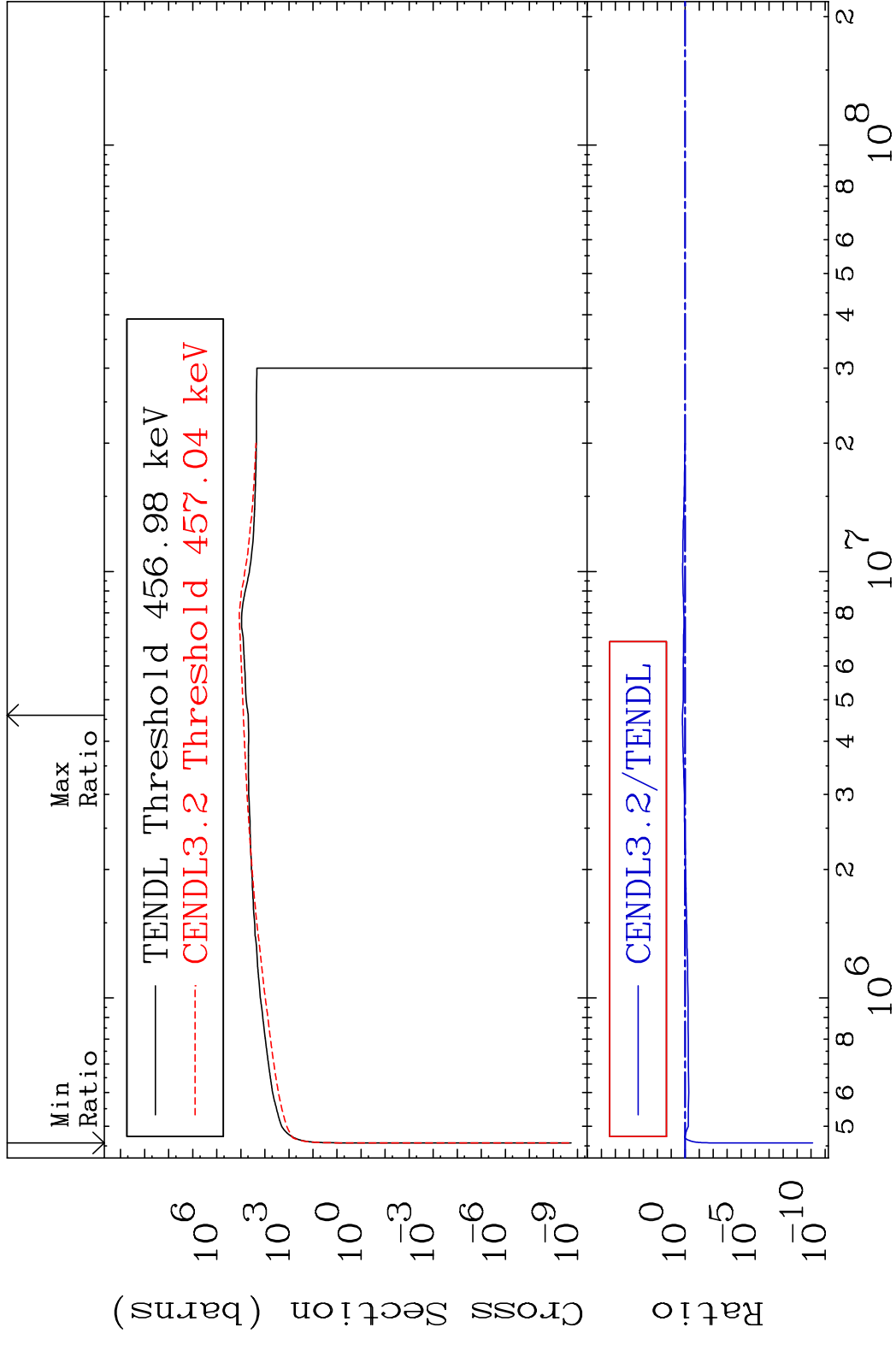


38

Incident Energy (eV)

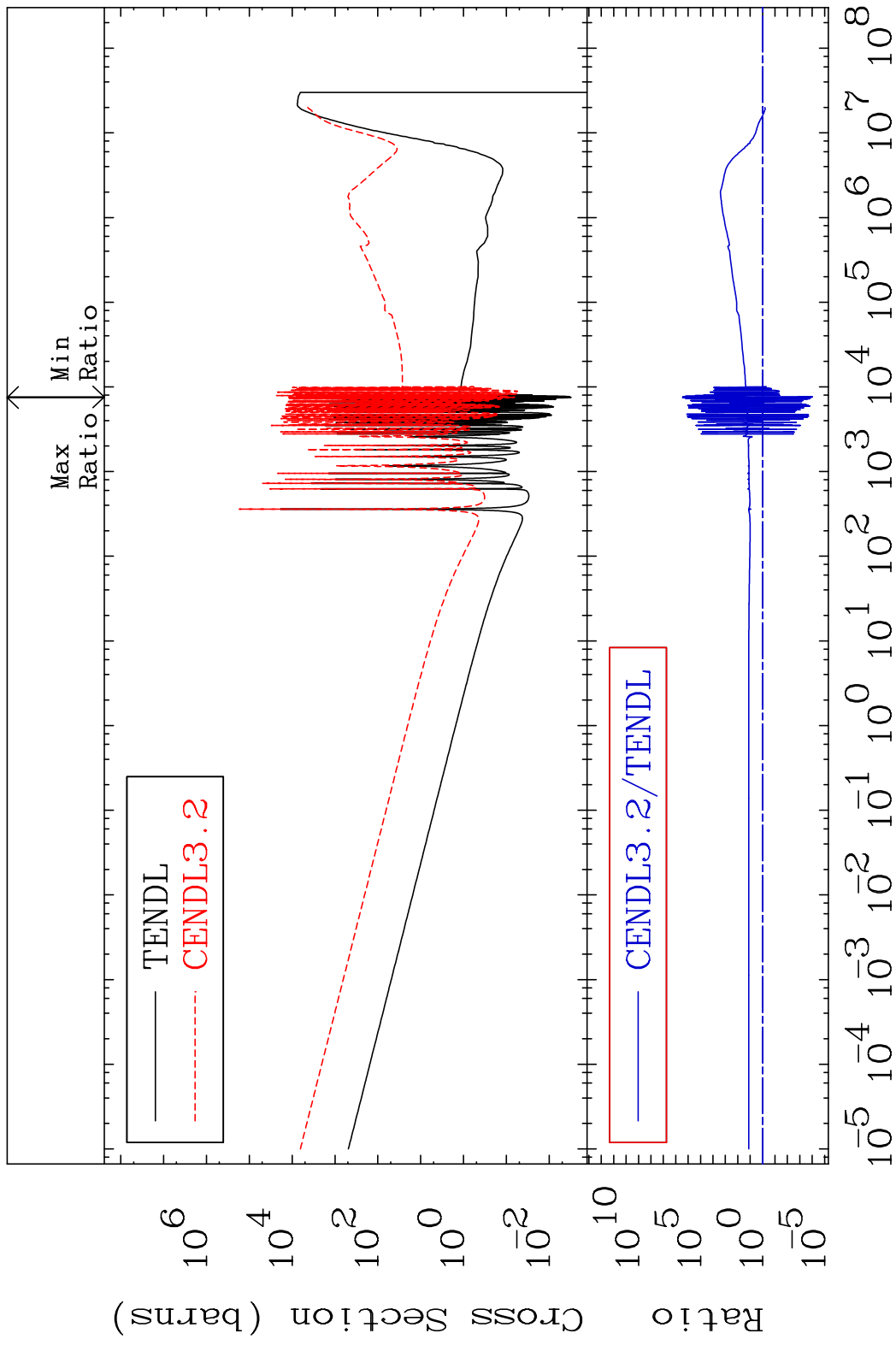
60-Nd-146

MAT 6037 Dpa inelastic (mt51-91) 60-Nd-146  
 Cross Section -100.0 To 60.62 %



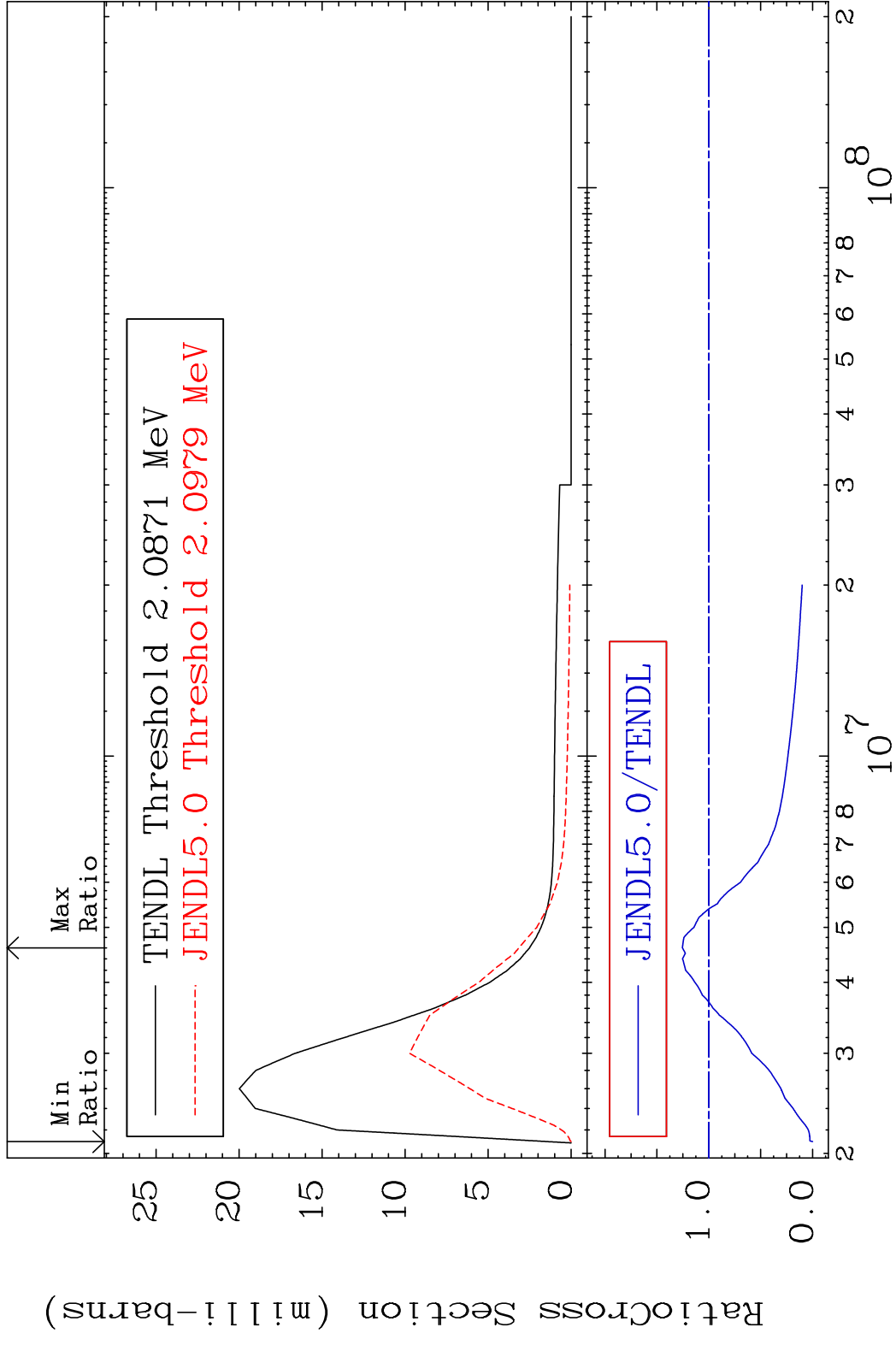


MAT 6037 Dpa disappearance (mt102 -120) 60-Nd-146  
 Cross Section -99.99 To 9999. %



40 Incident Energy (eV) 60-Nd-146

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

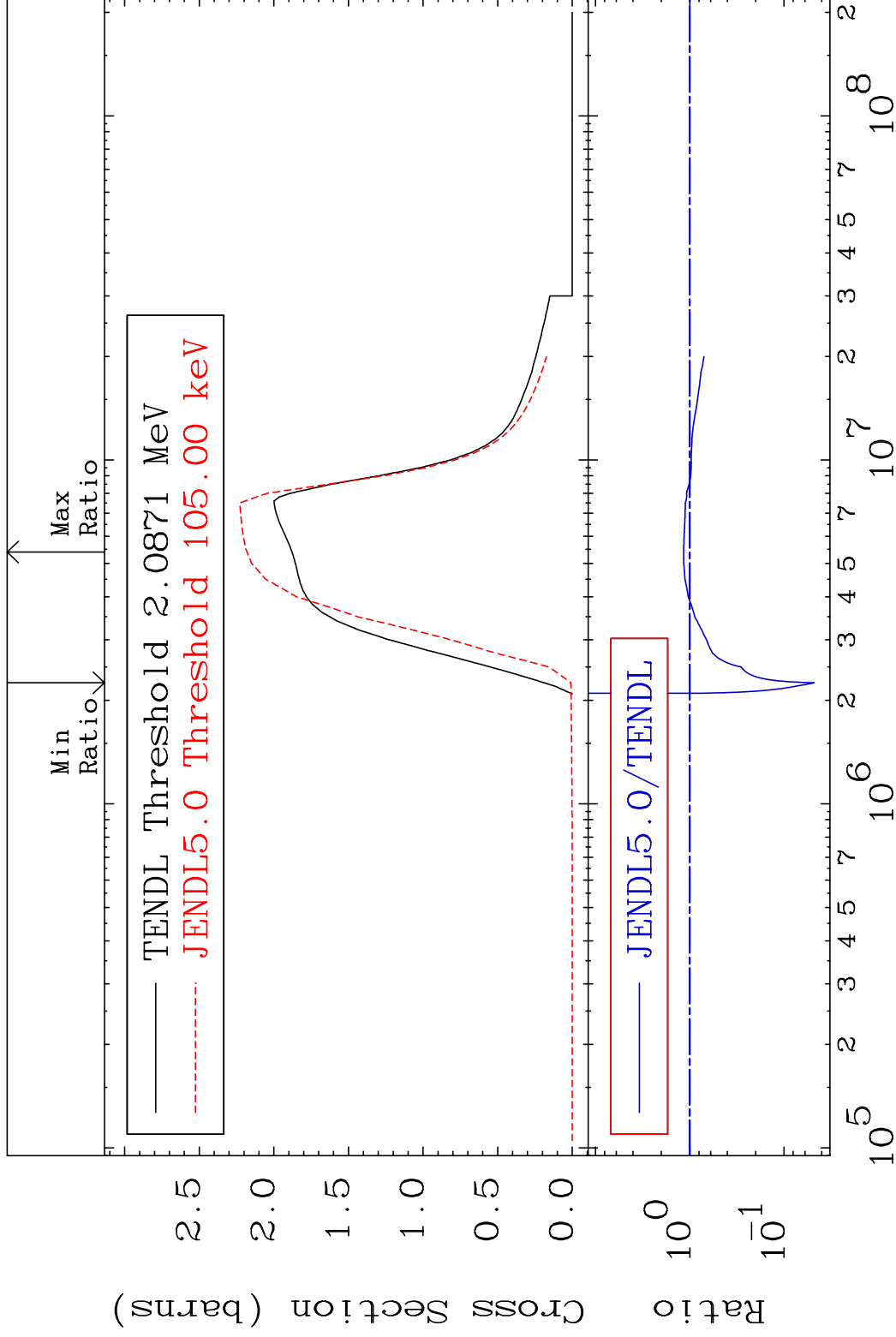


MAT 6037

(n, n') Continuum

60-Nd-146

Cross Section -95.19 To 16.03 %



42

Incident Energy (eV)

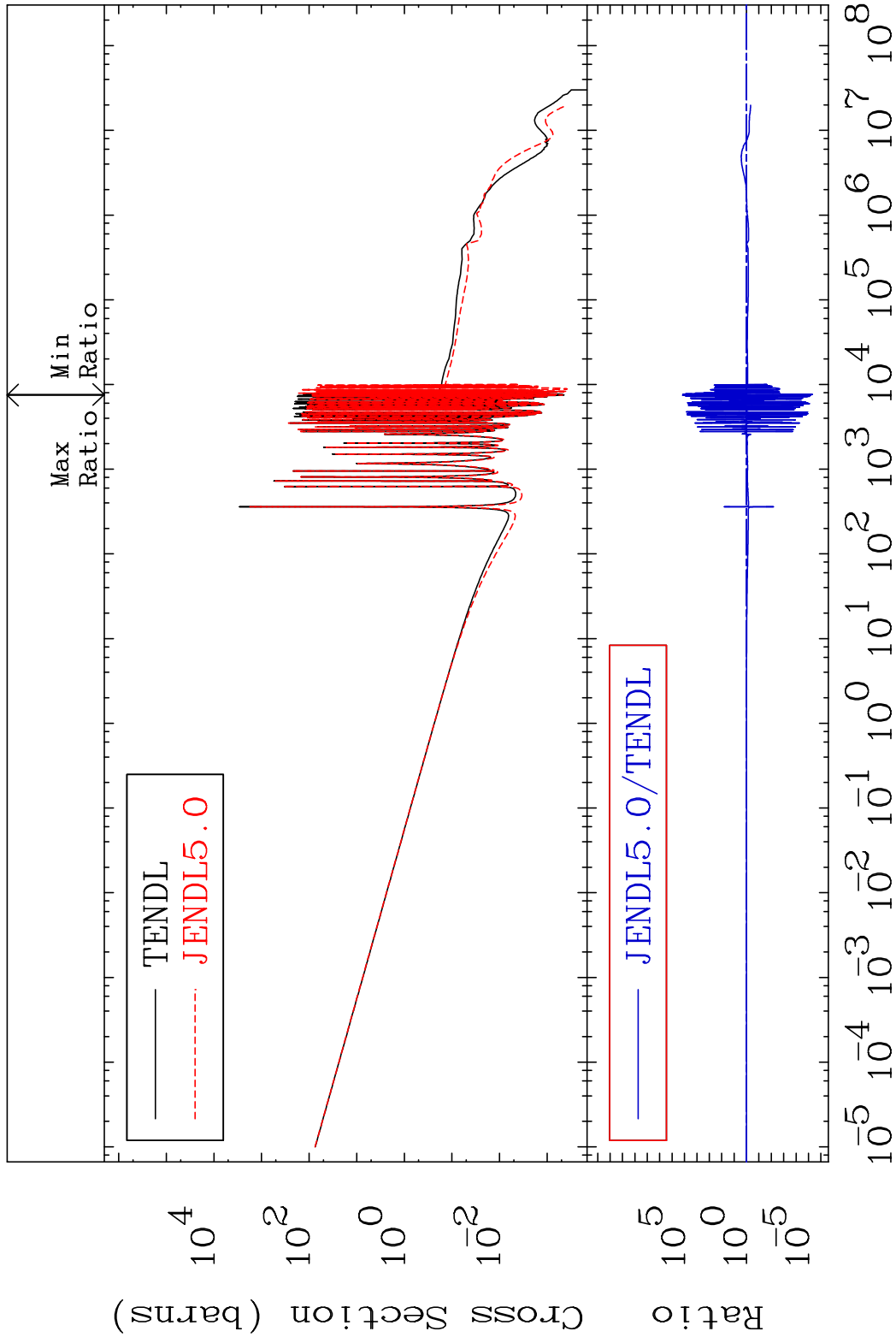
60-Nd-146

MAT 6037

(n,  $\gamma$ )

60-Nd-146

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

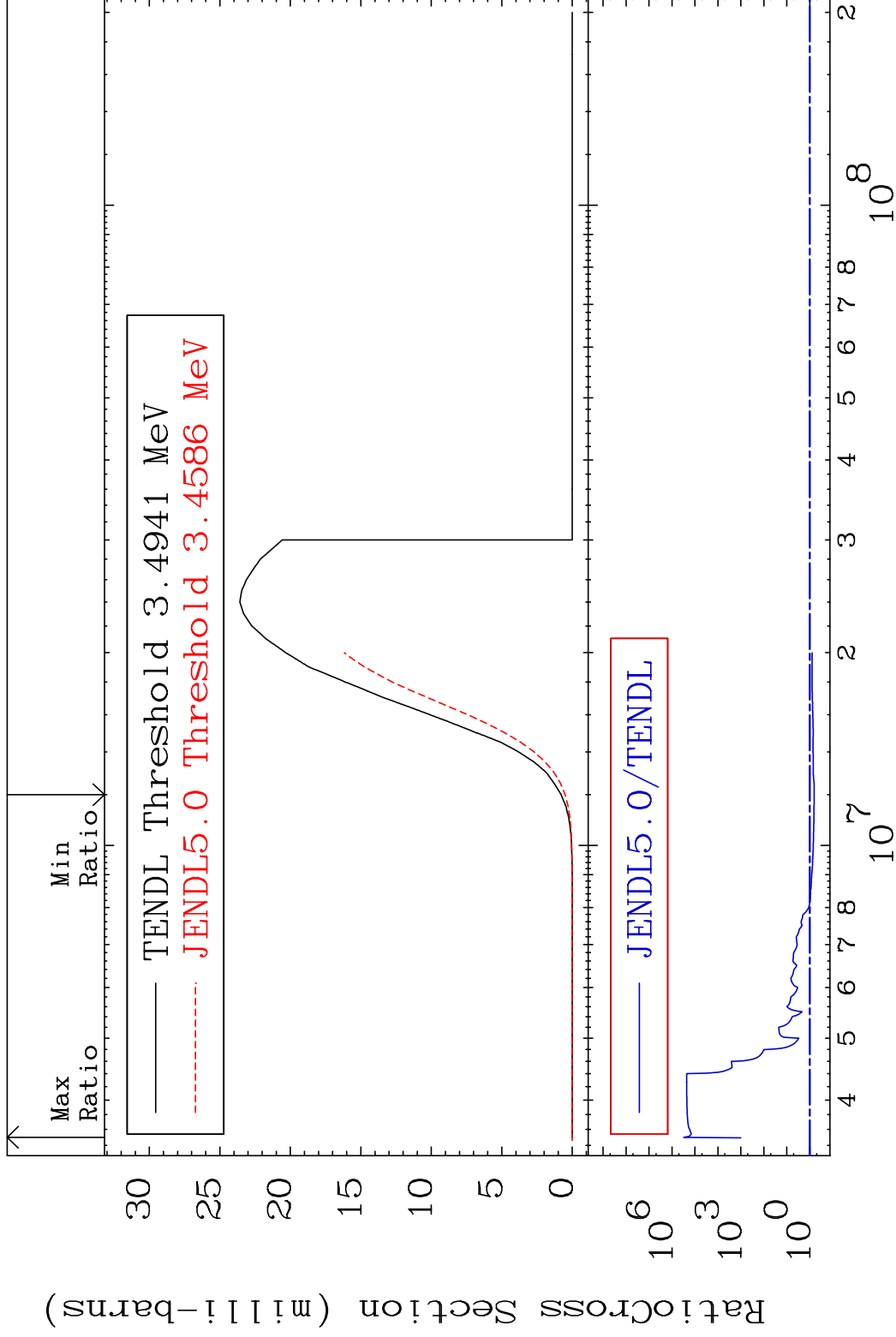
60-Nd-146

MAT 6037

(n,p)

60-Nd-146

Cross Section -35.55 To 9999. %



44

Incident Energy (eV)

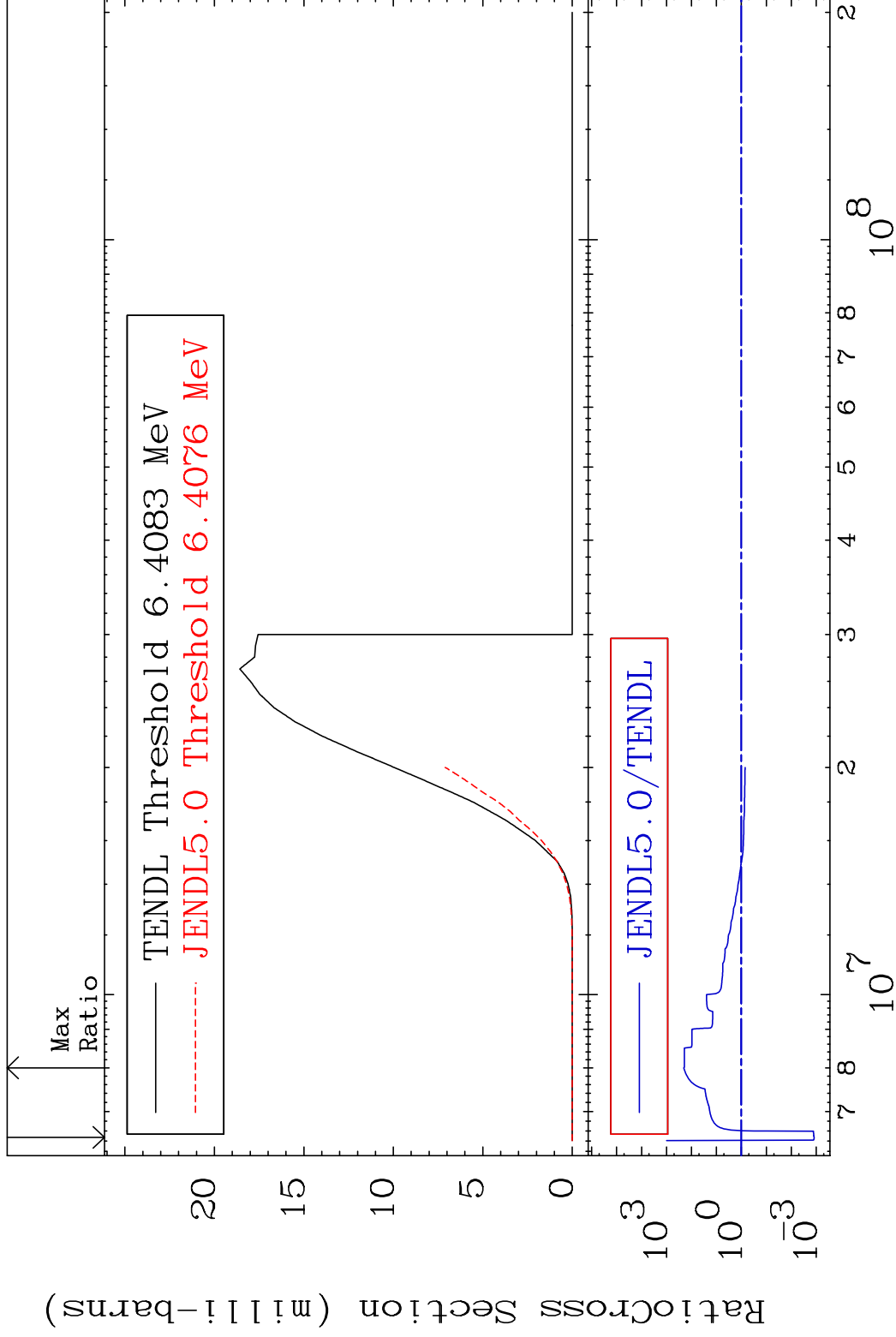
60-Nd-146

MAT 6037

(n,d)

60-Nd-146

Cross Section -99.88 To 9999. %

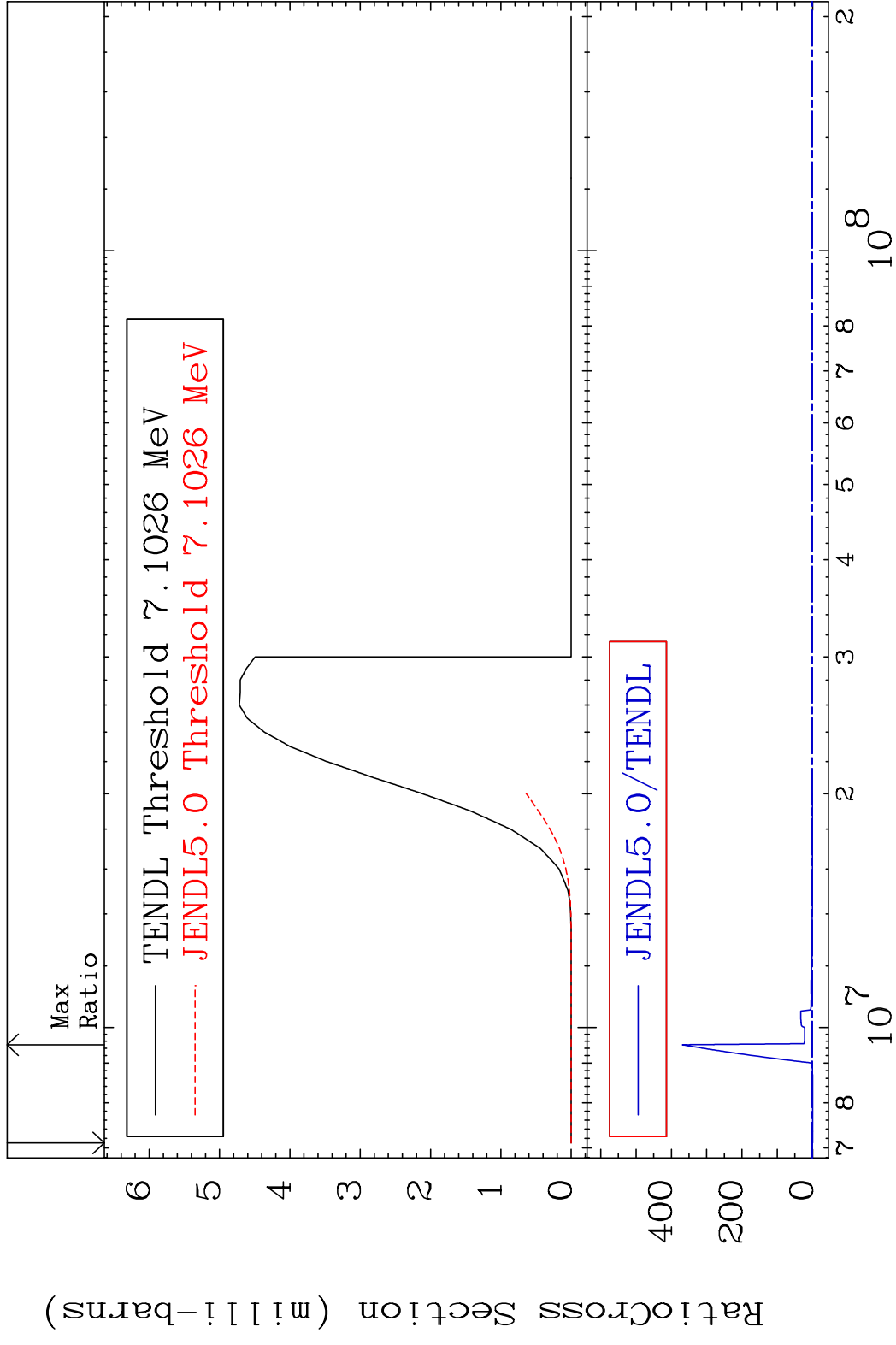


45

Incident Energy (eV)

60-Nd-146

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

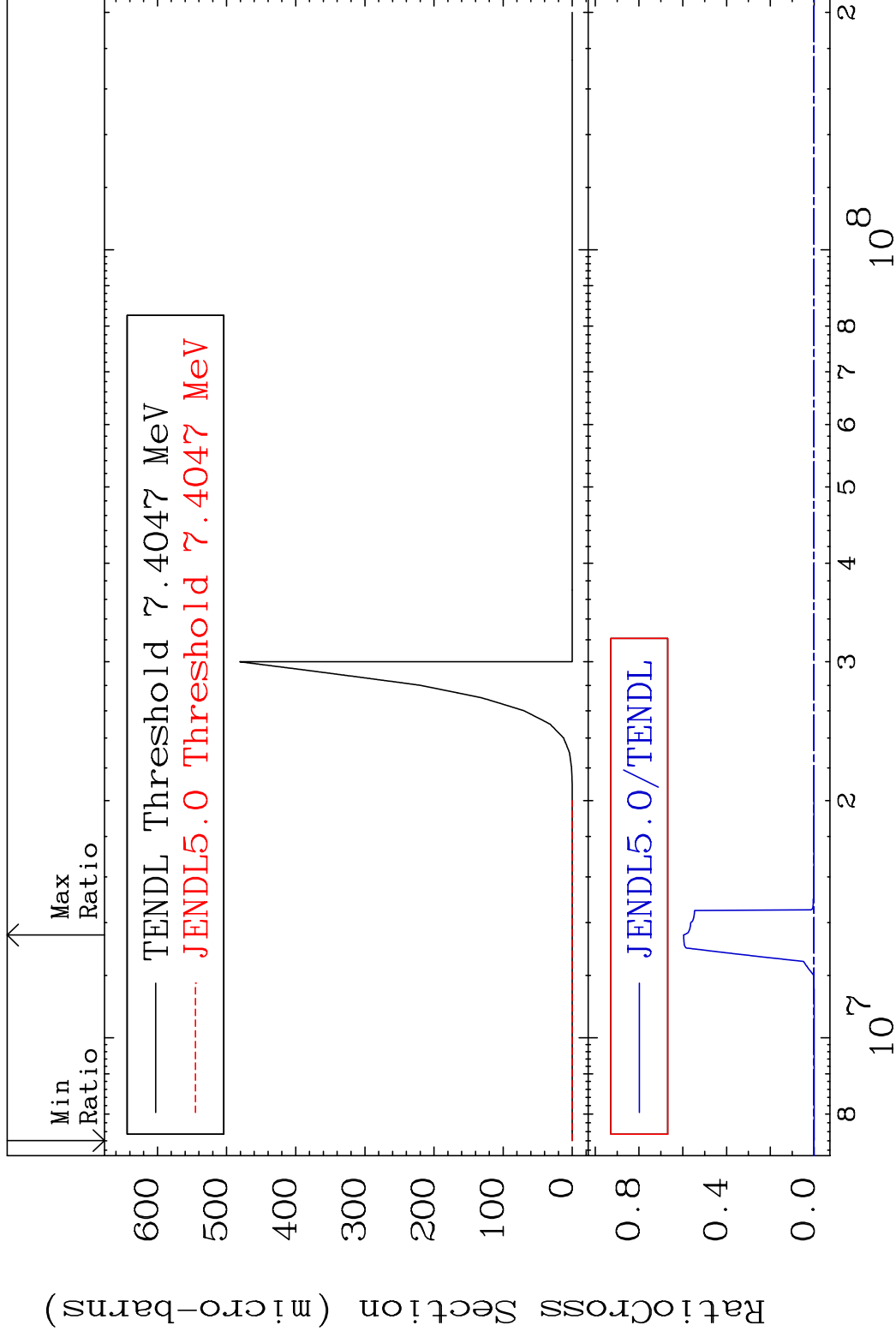


MAT 6037

(n, He-3)

60-Nd-146

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

60-Nd-146

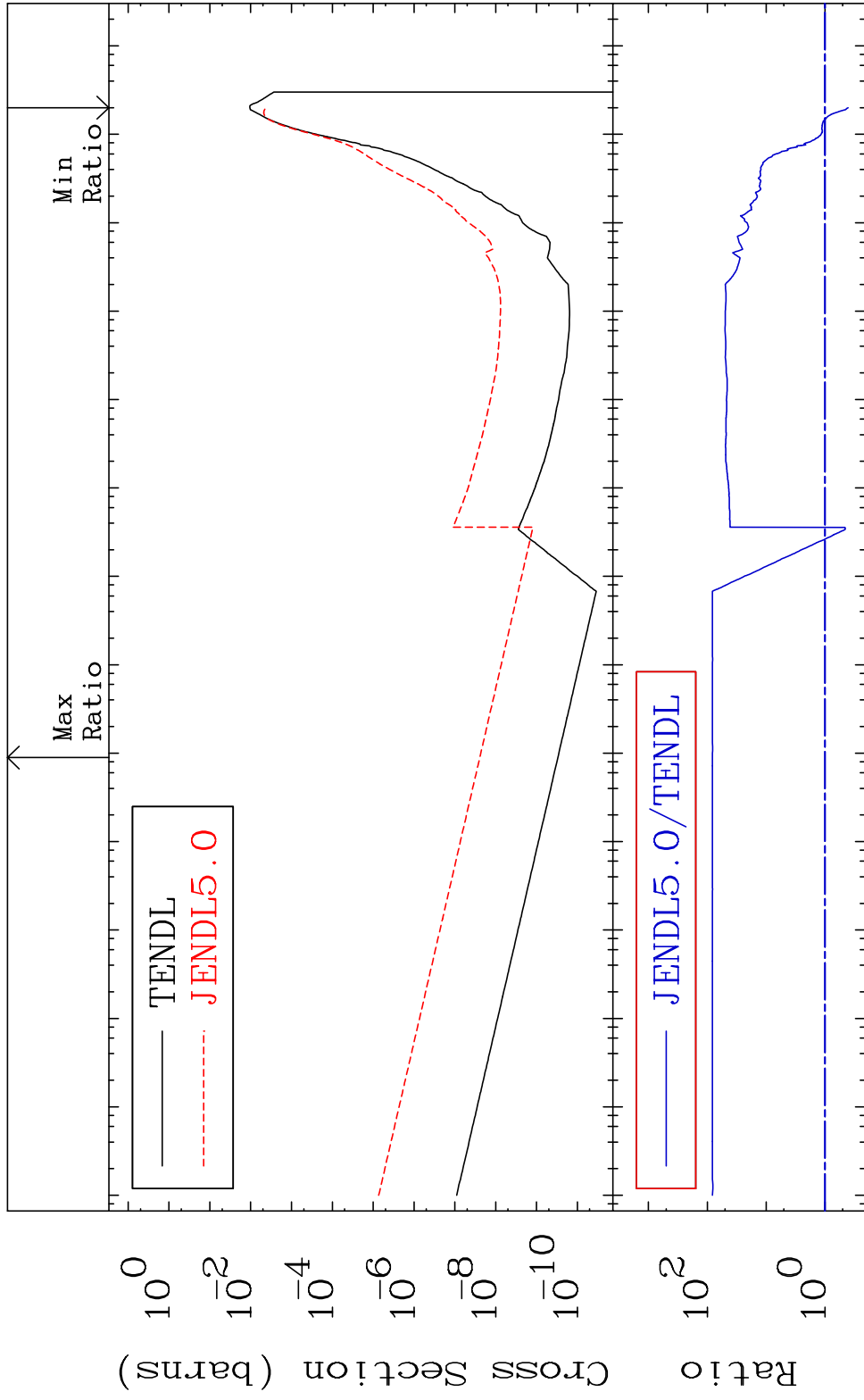


MAT 6037

(n,  $\alpha$ )

60-Nd-146

Cross Section -59.93 To 8097. %

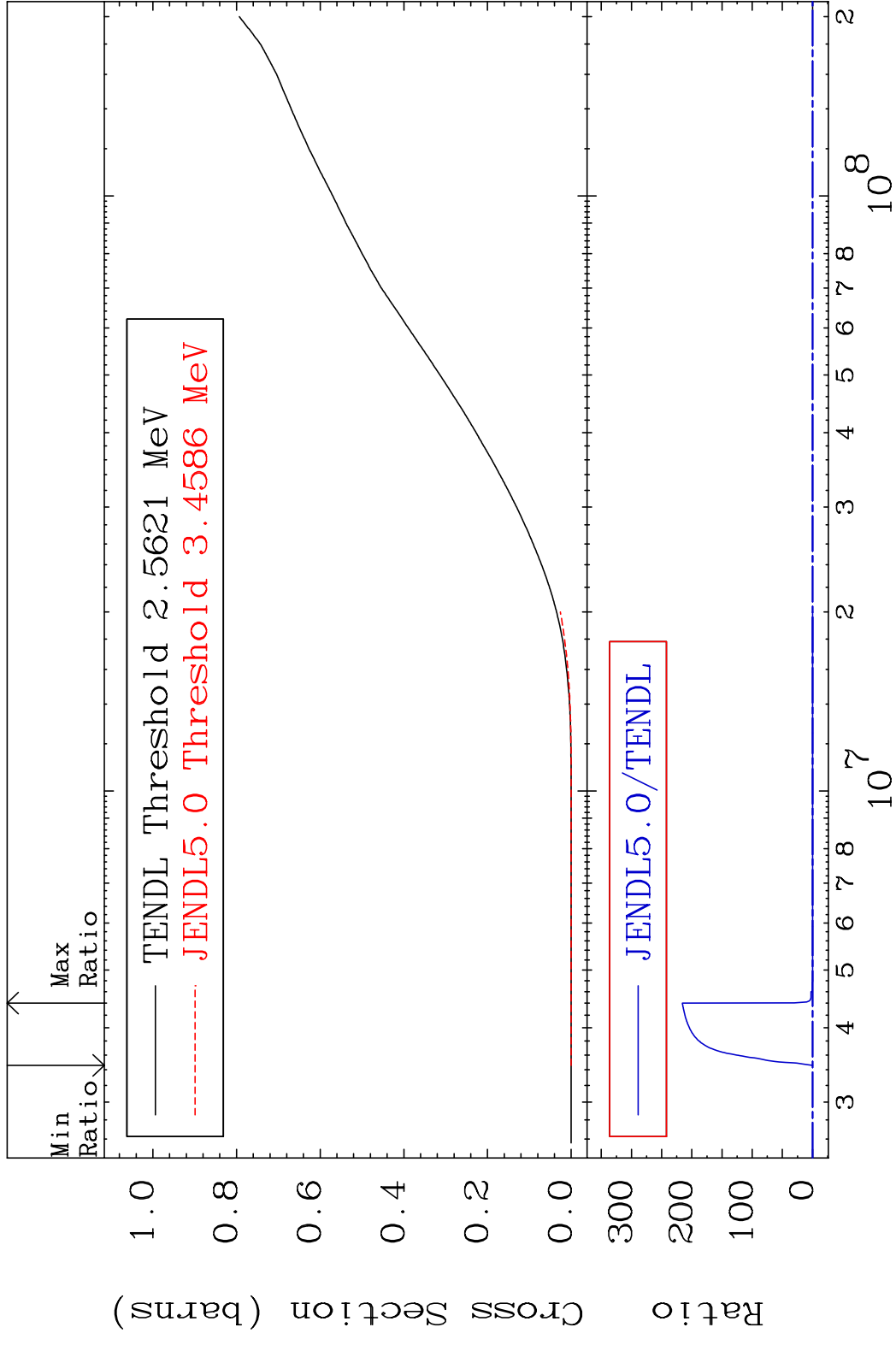


48

Incident Energy (eV)

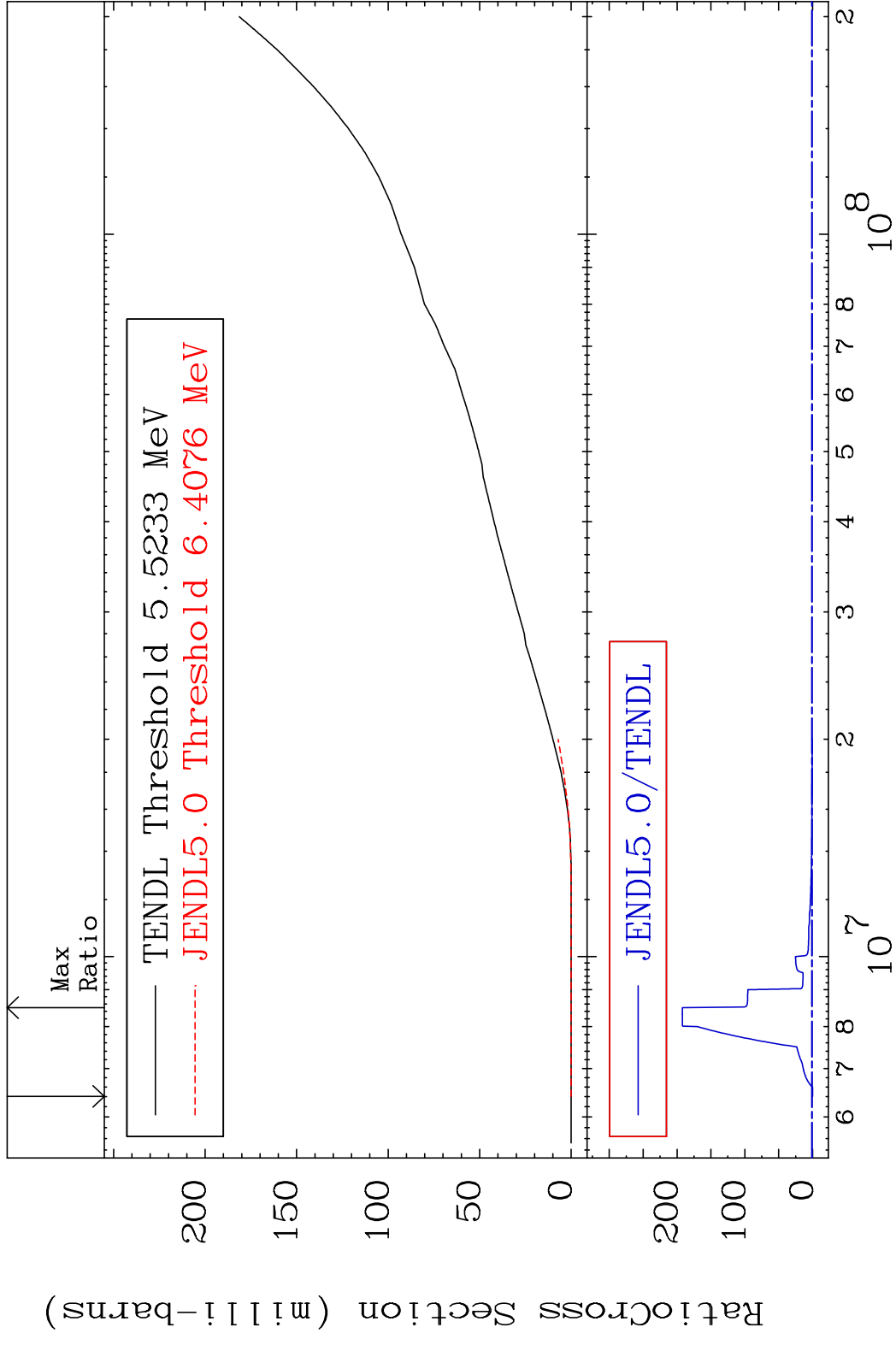
60-Nd-146

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



MAT 6037

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

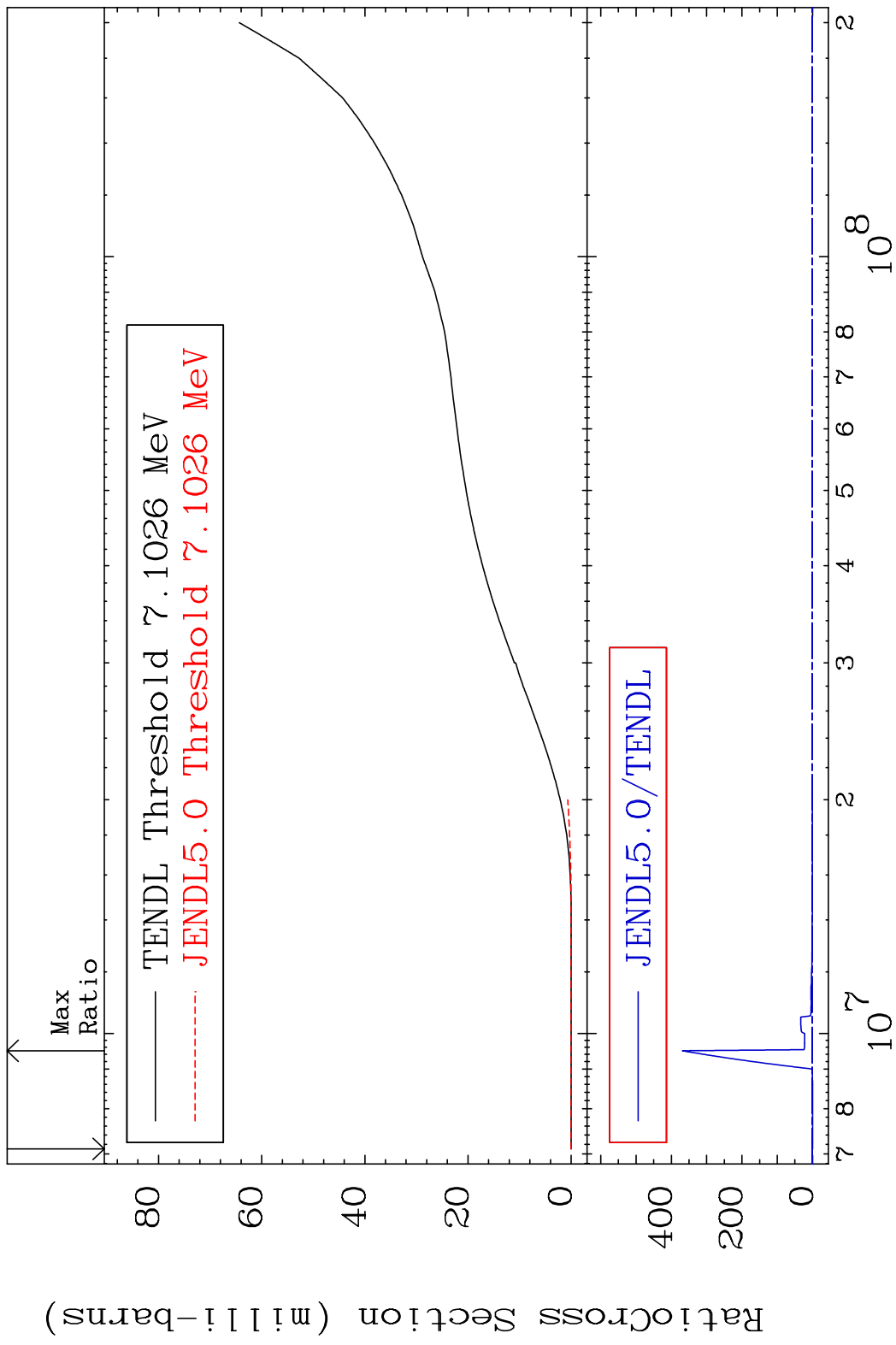


50

Incident Energy (eV)

60-Nd-146

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

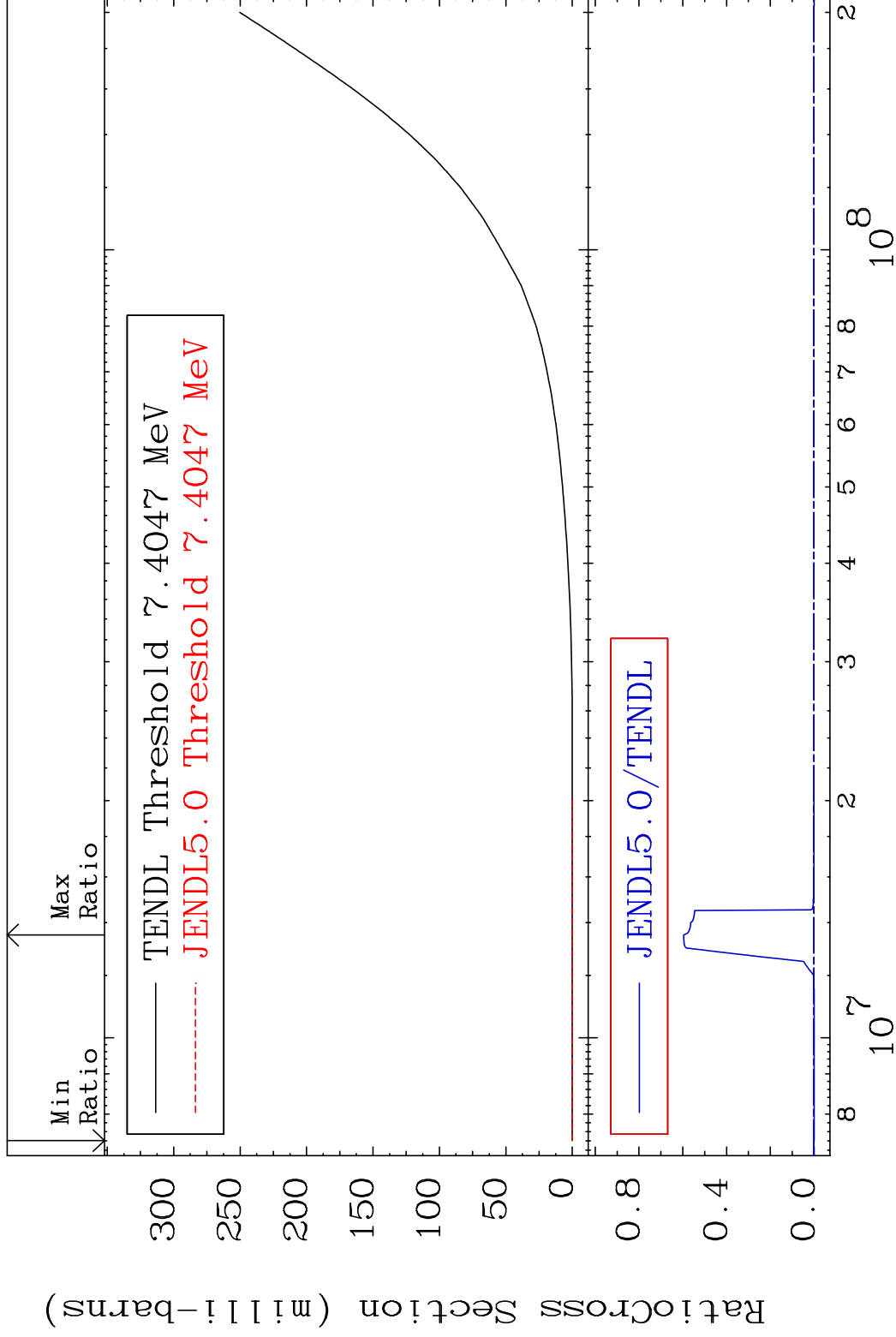


MAT 6037

He-3 Production

60-Nd-146

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

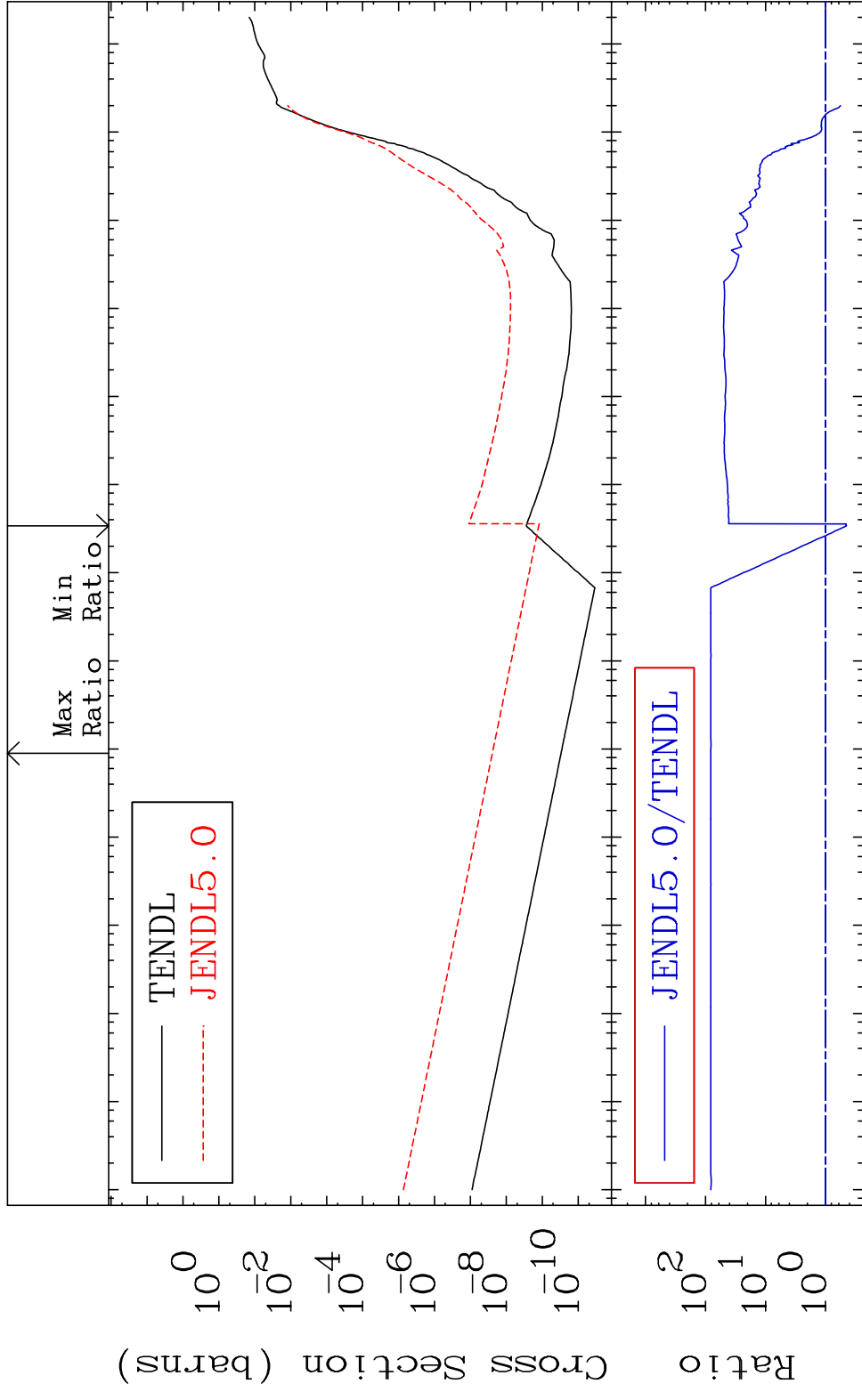
60-Nd-146

MAT 6037

He-4 Production

60-Nd-146

Cross Section -54.96 To 8097. %

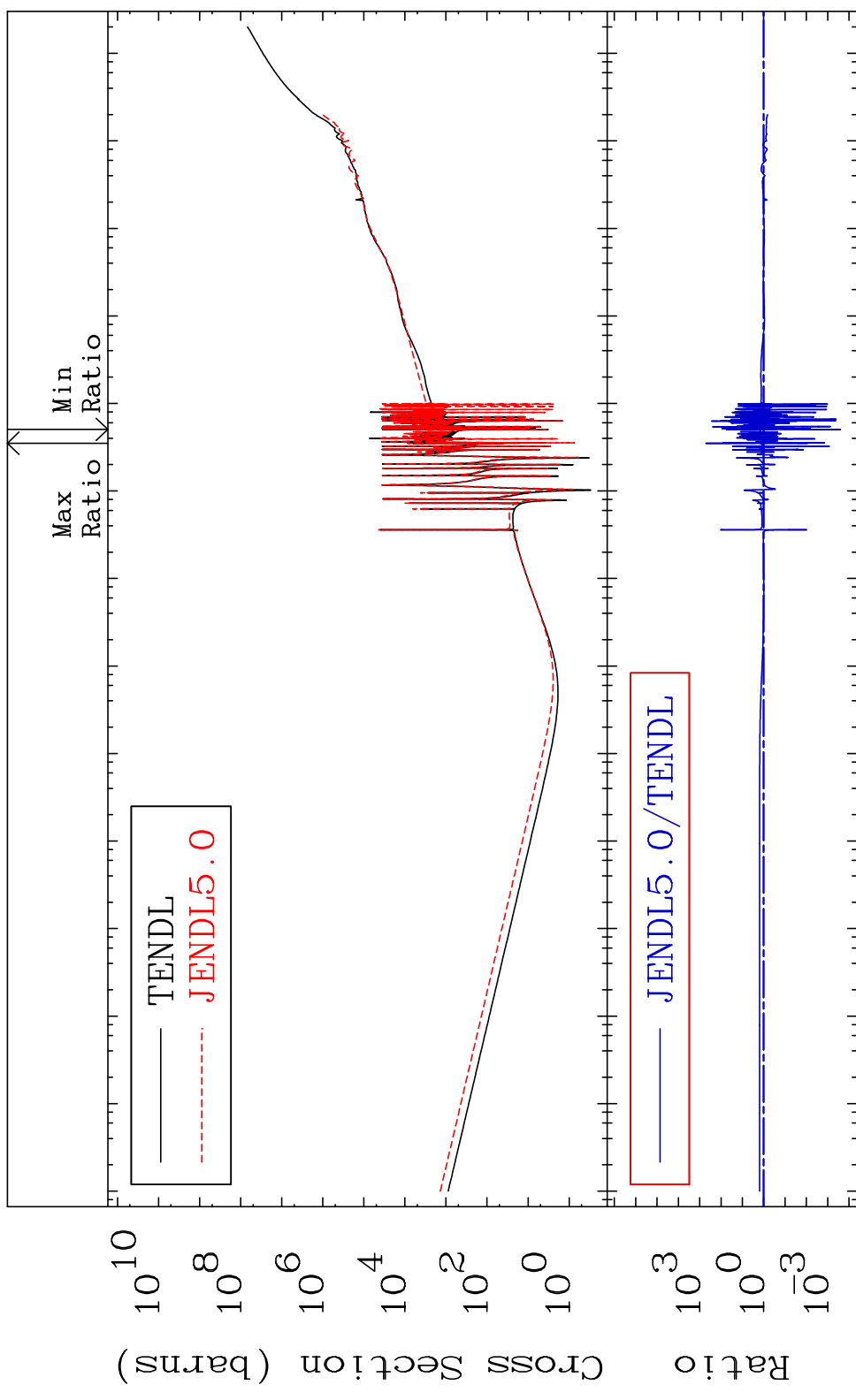


MAT 6037

Kerma total (eV-barns)

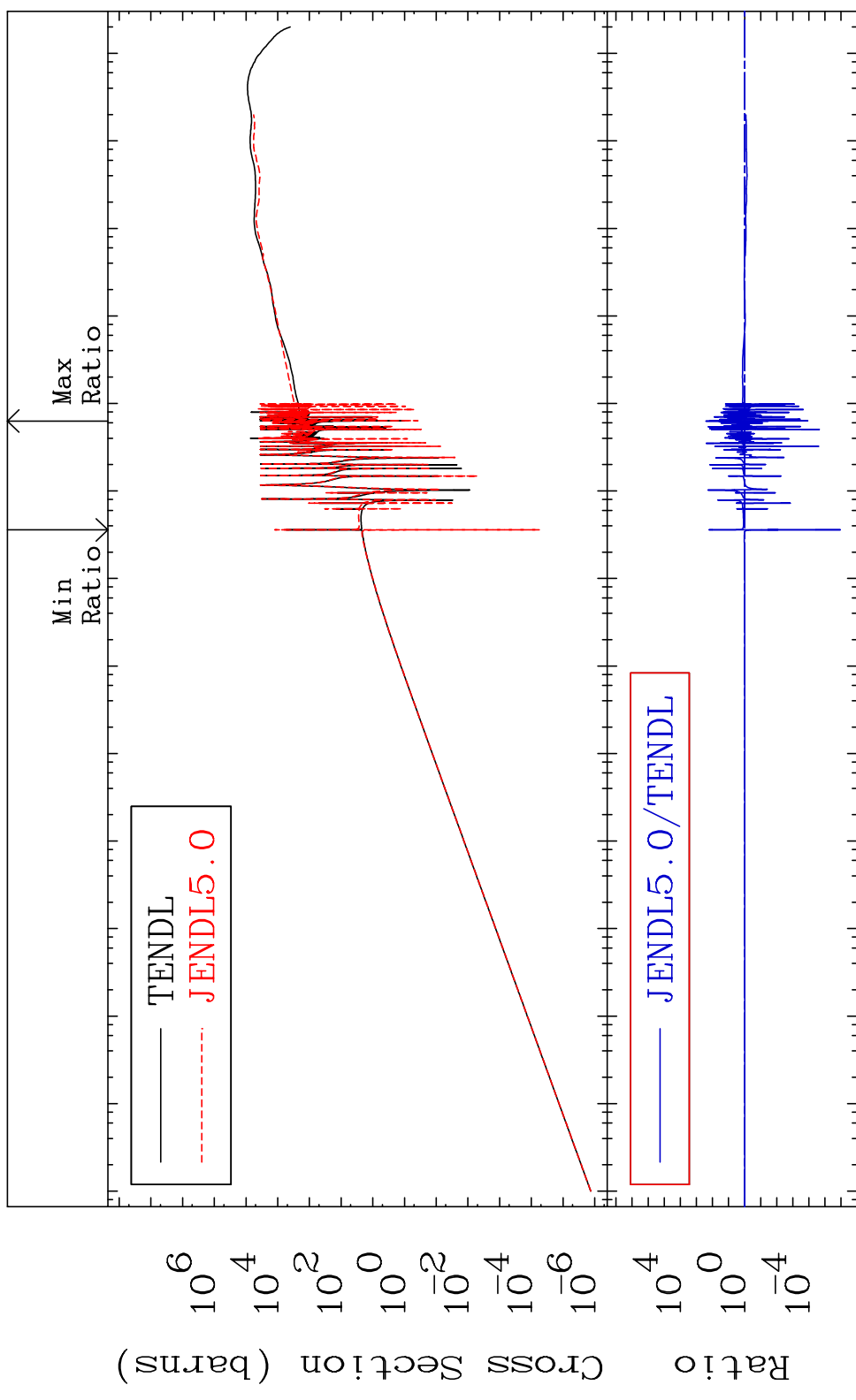
60-Nd-146

Cross Section -99.97 To 9999. %



MAT 6037

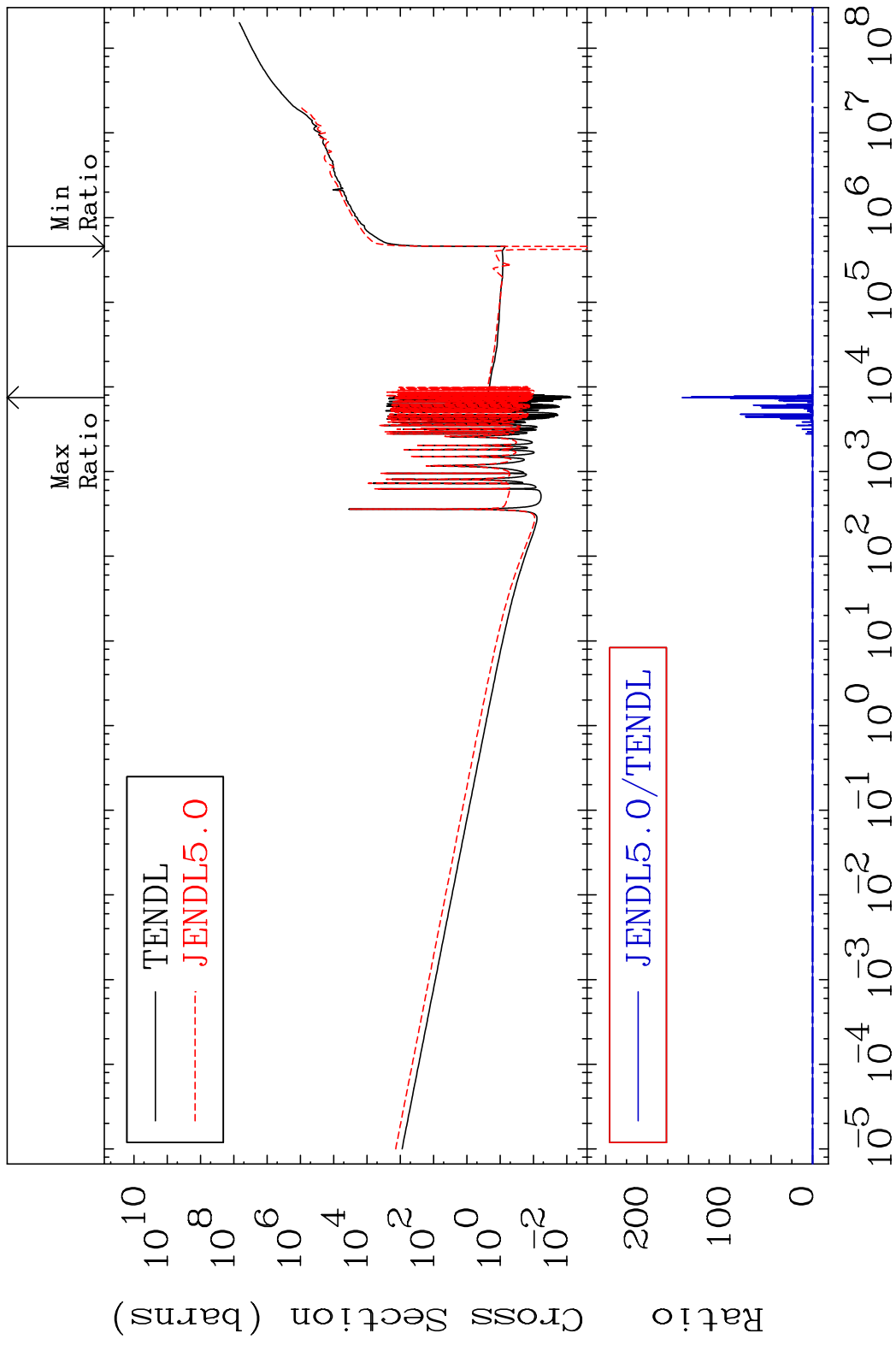
Kerma elastic Cross Section -100.0 To 9999. %  
60-Nd-146



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
Incident Energy (eV)

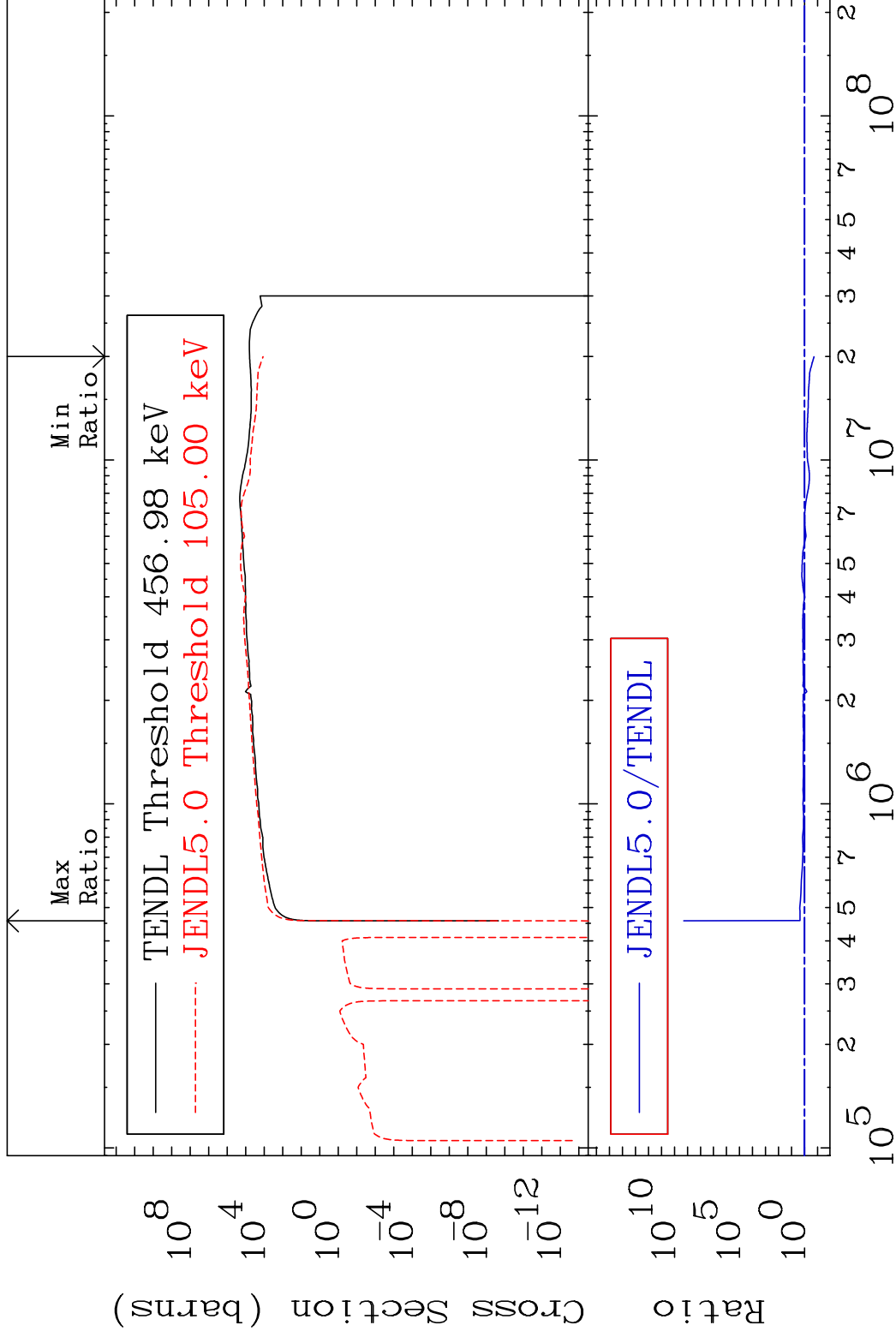


MAT 6037 Kerma non-elastic (all but mt2) 60-Nd-146  
 Cross Section -682.3 To 9999. %



MAT 6037

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

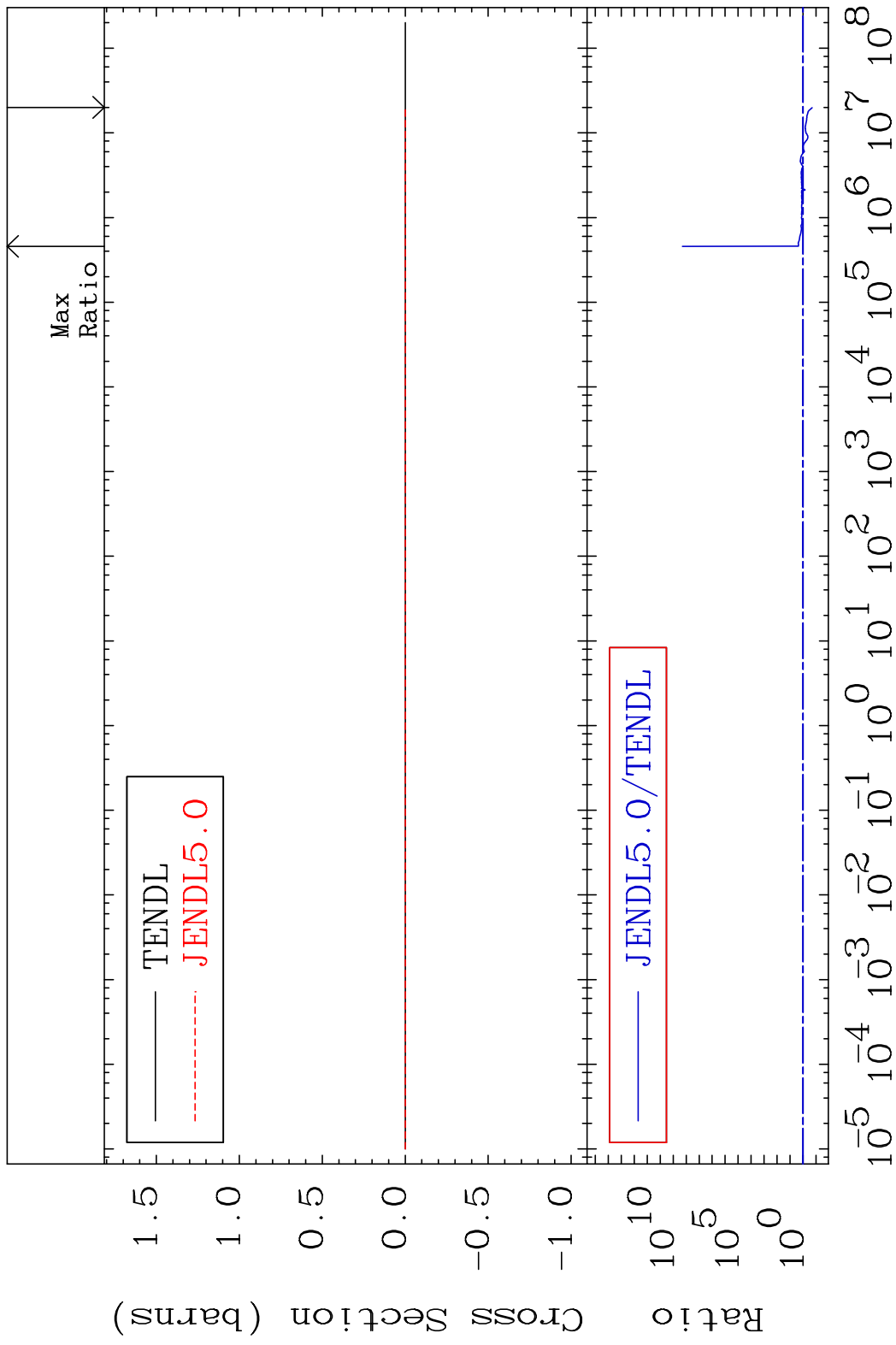


57

Incident Energy (eV)

60-Nd-146

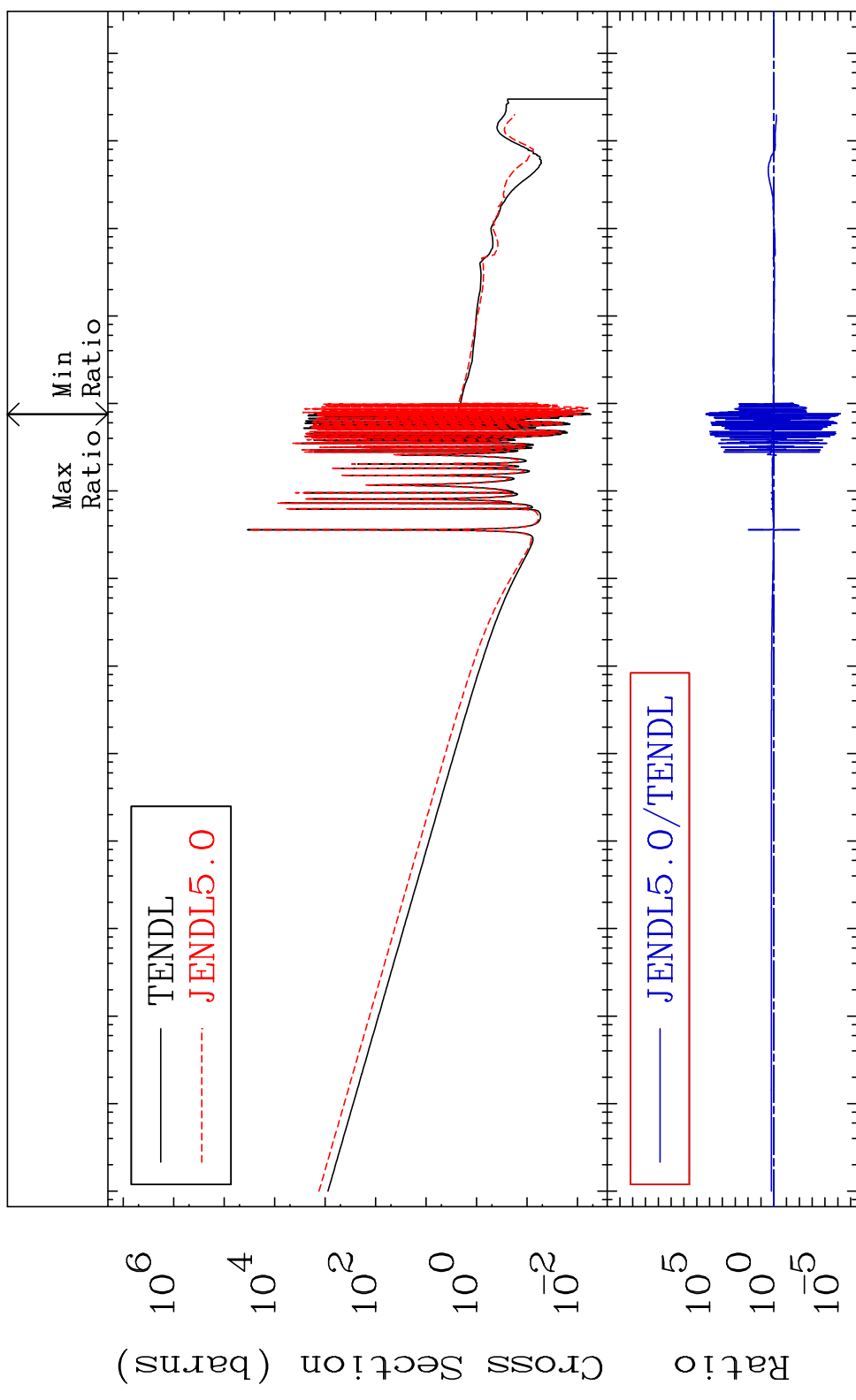
MAT 6037 Kerma fission (mt18 or mt19-20-21-38)  $^{60}\text{Nd}$ -146  
 Cross Section -81.73 To 9999. %



MAT 6037

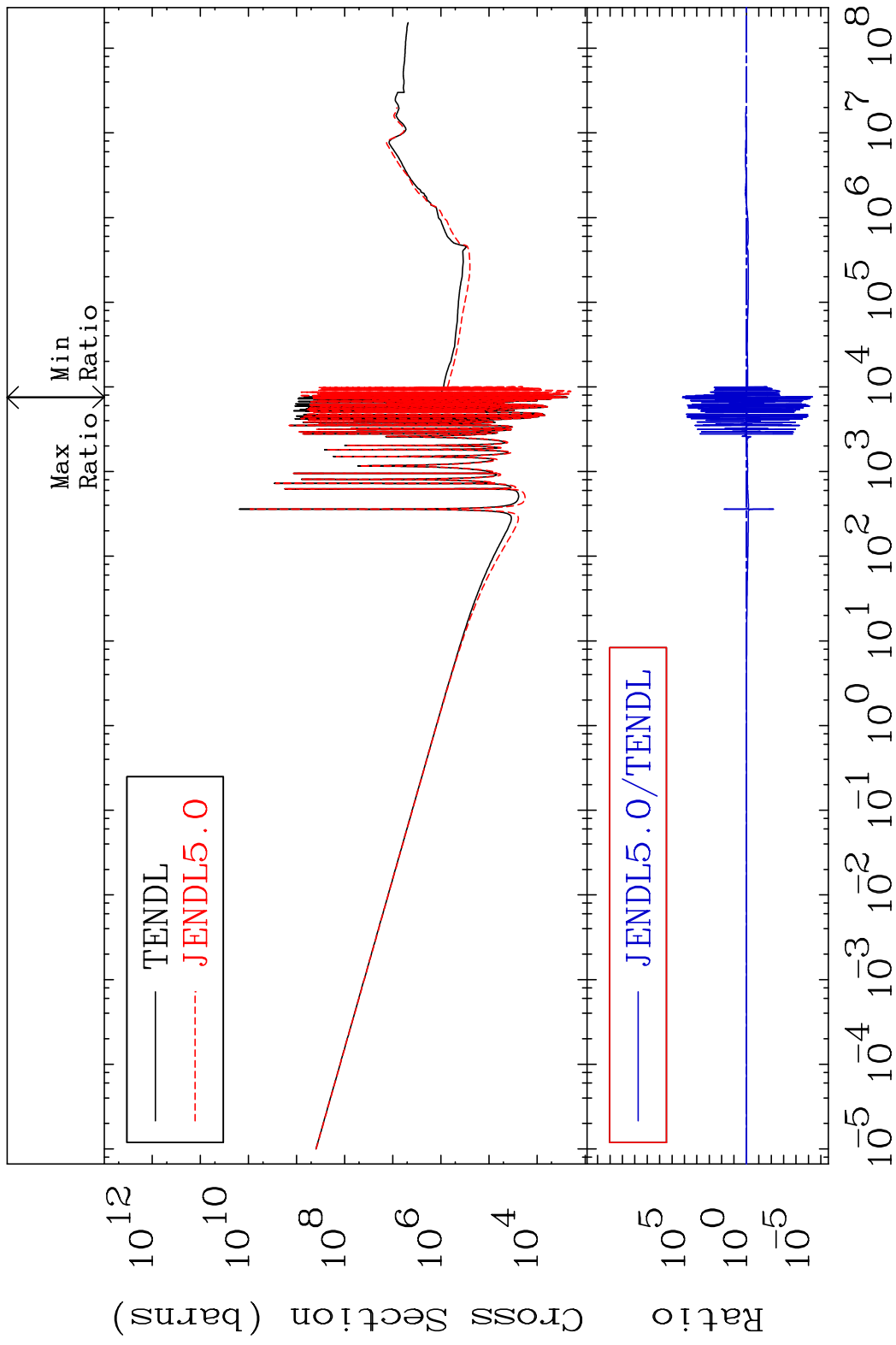
Kerma capture (mt102) 60-Nd-146

Cross Section -100.0 To 9999. %



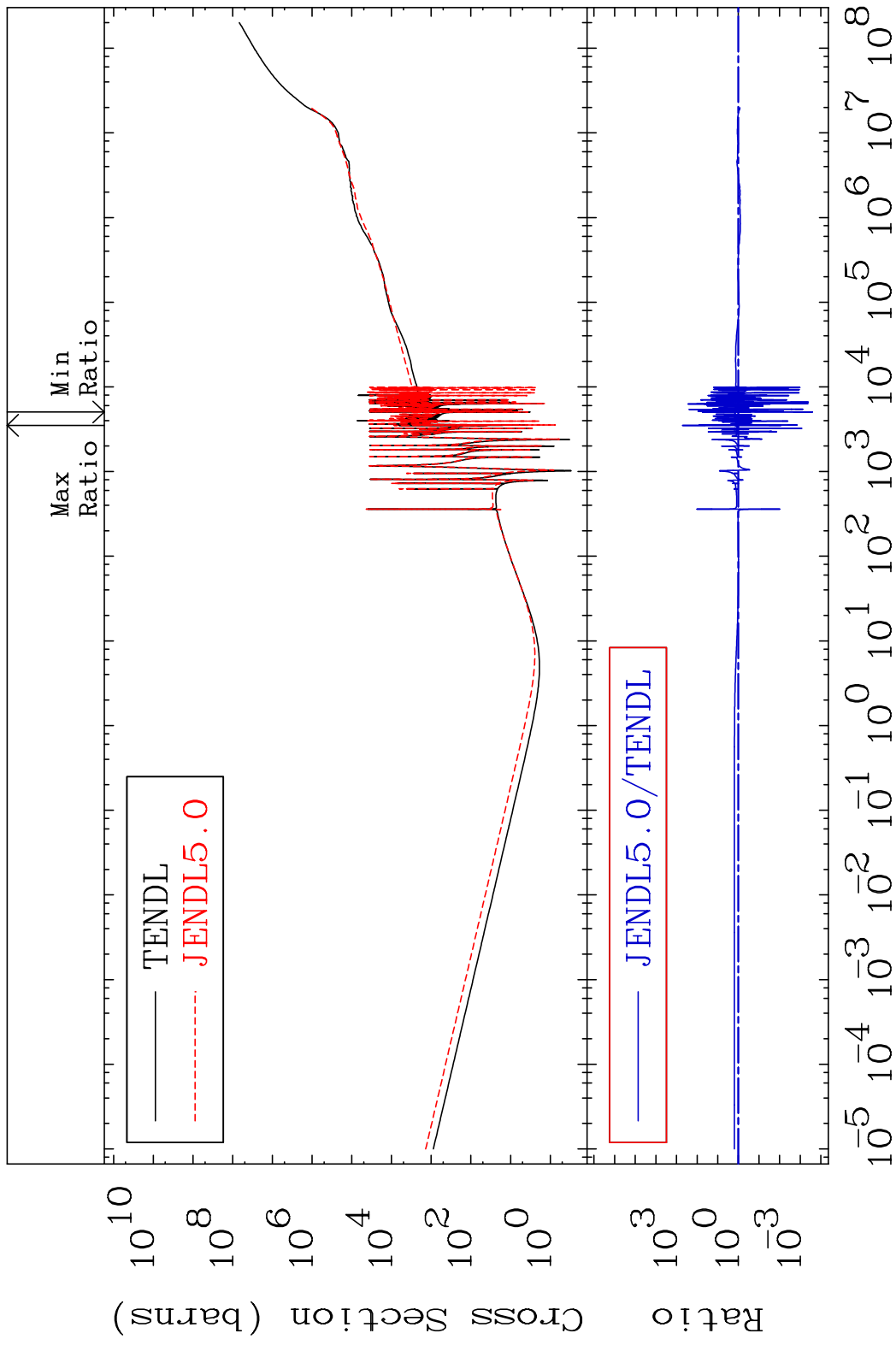
Incident Energy (eV) 60-Nd-146

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

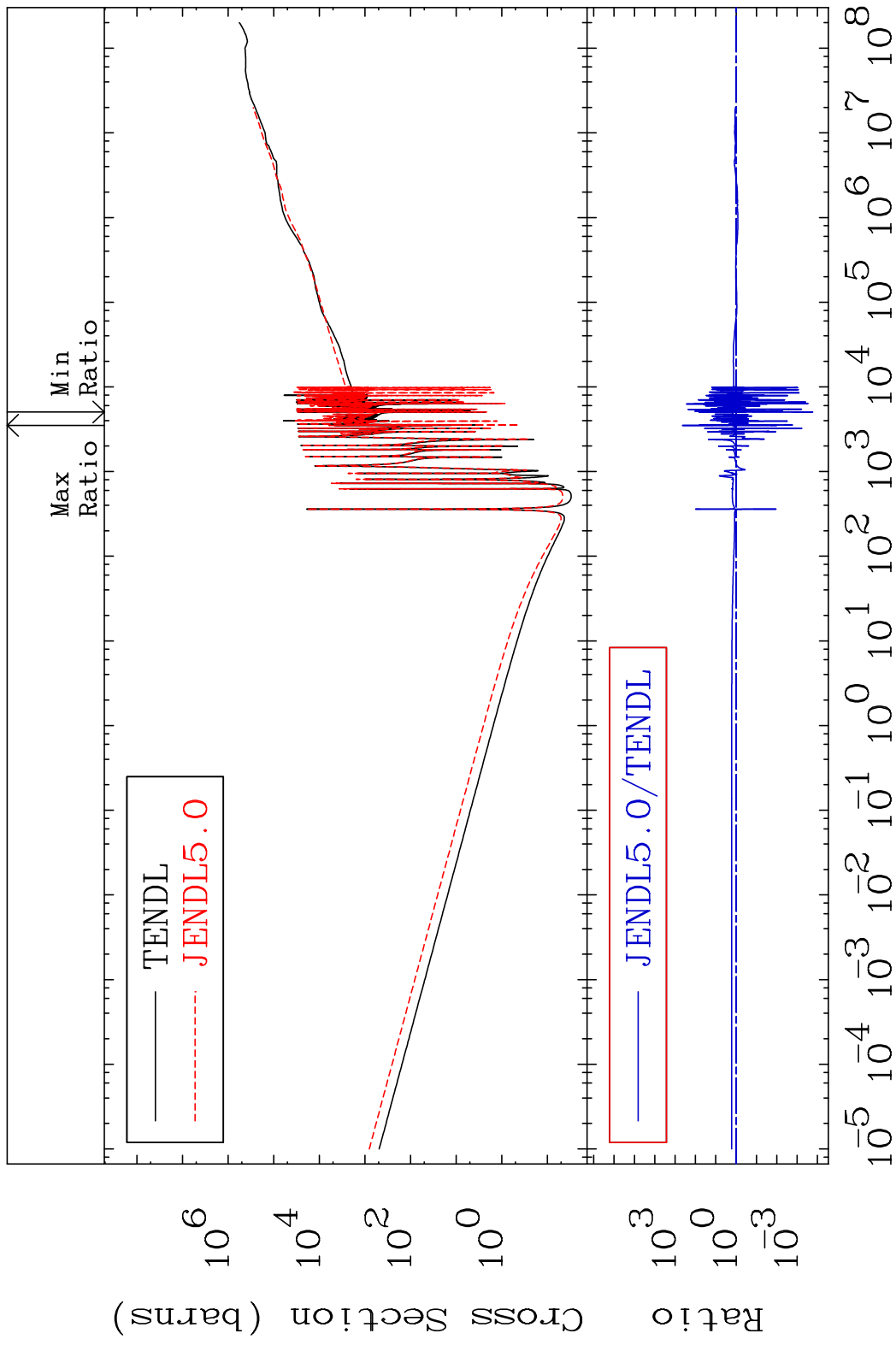


60 Incident Energy (eV) 60-Nd-146

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. %



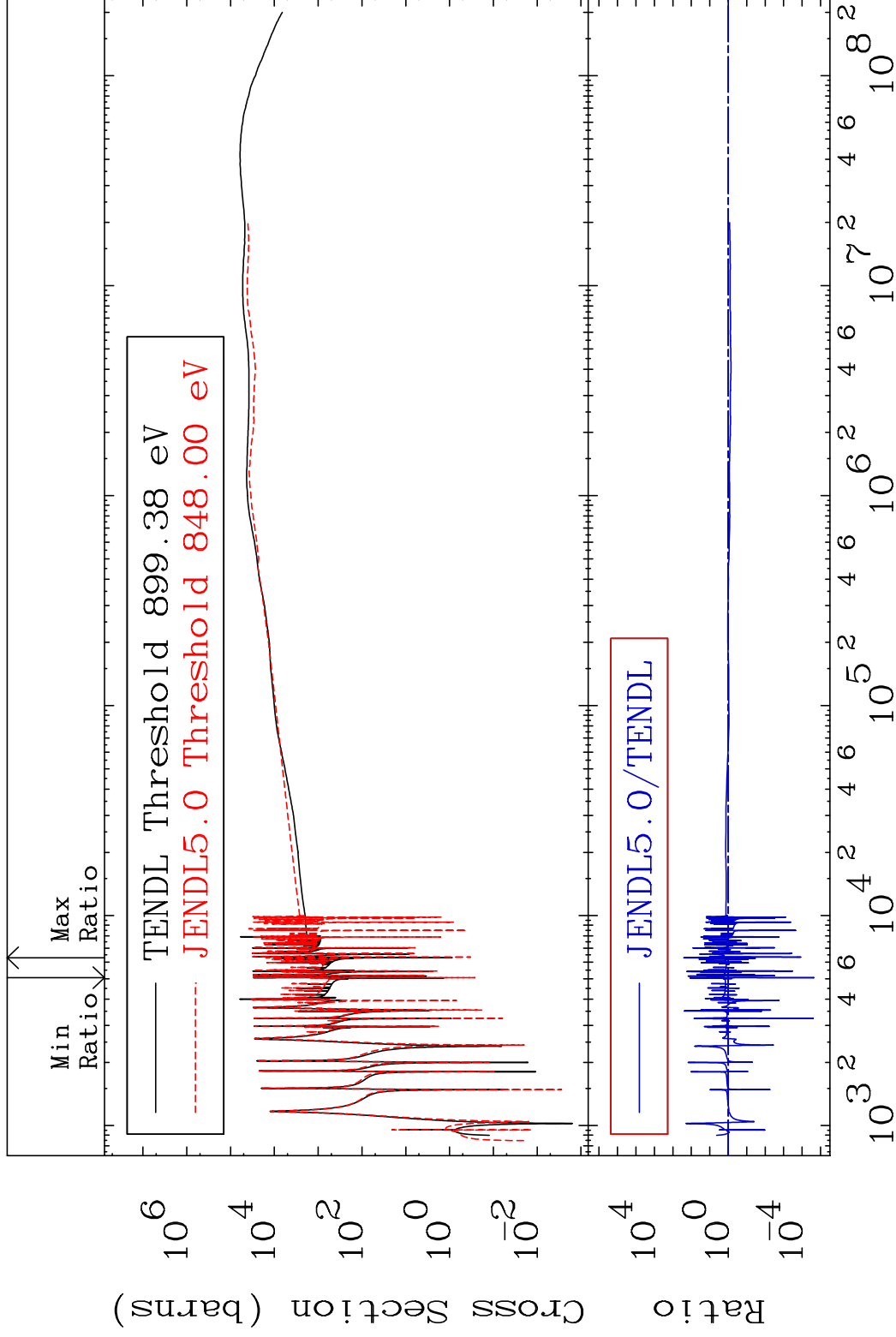
62      Incident Energy (eV)      60-Nd-146

MAT 6037

Dpa elastic (mt2)

60-Nd-146

Cross Section -100.0 To 9999. %



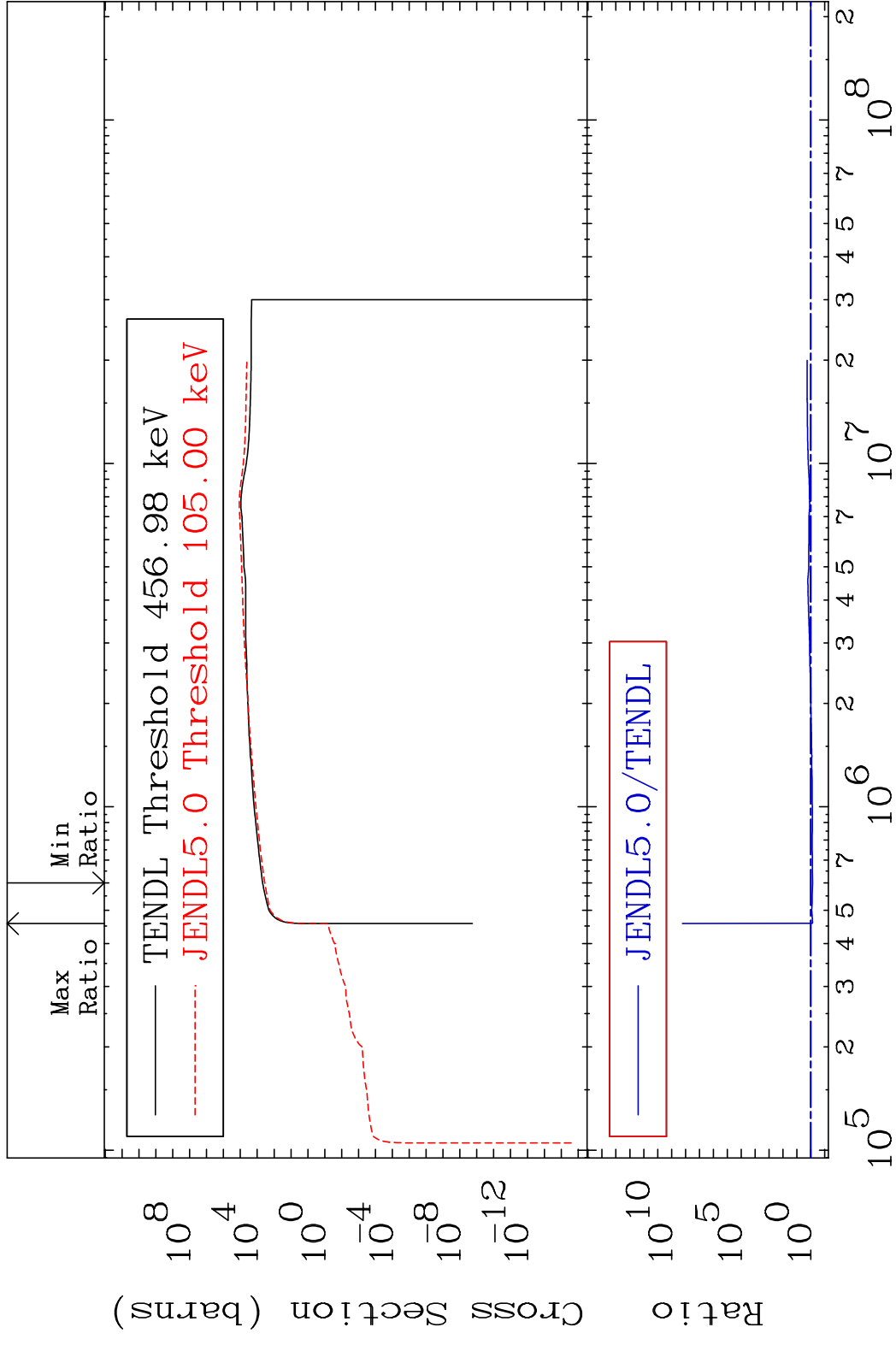
63

Incident Energy (eV)

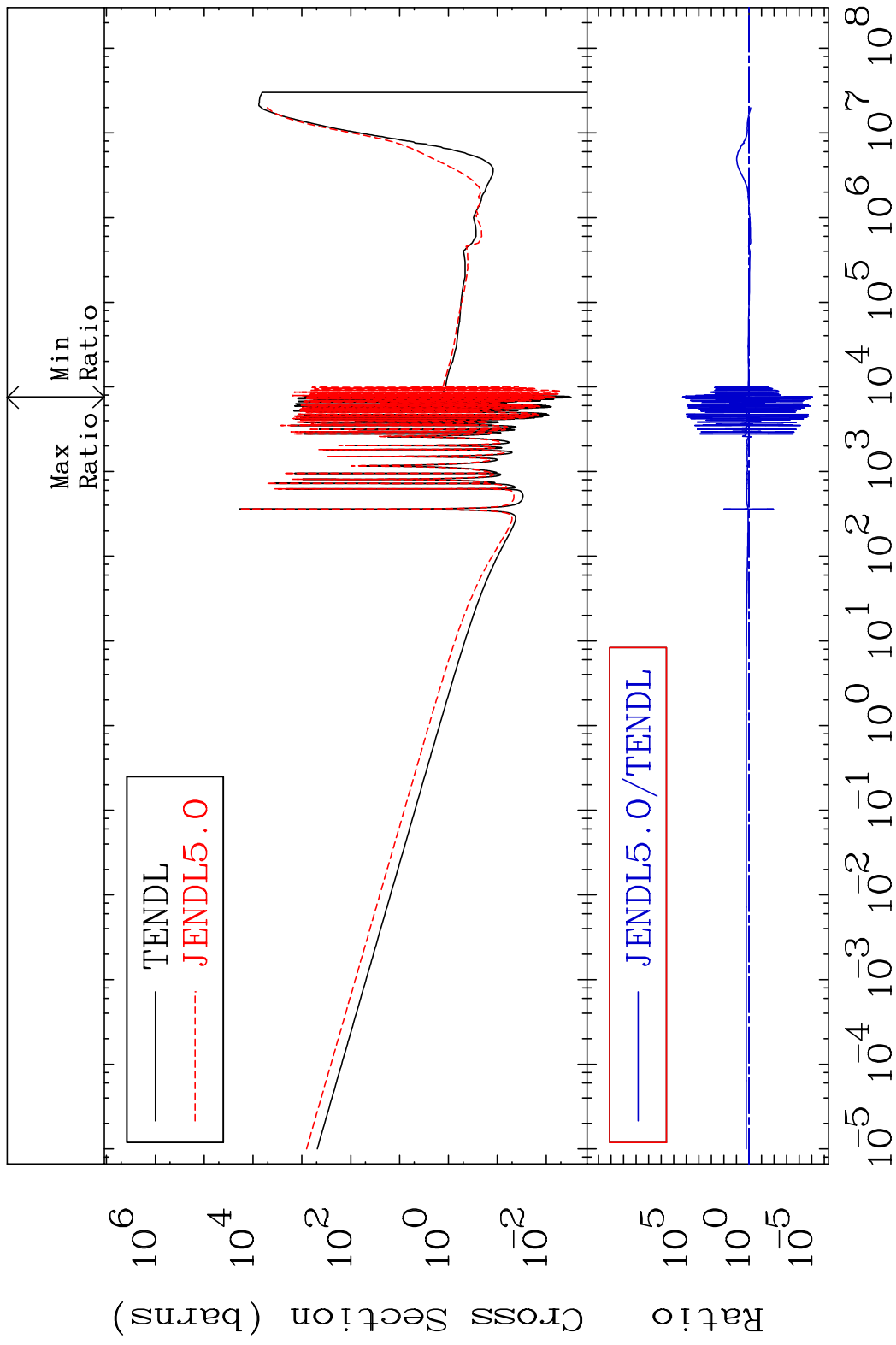
60-Nd-146



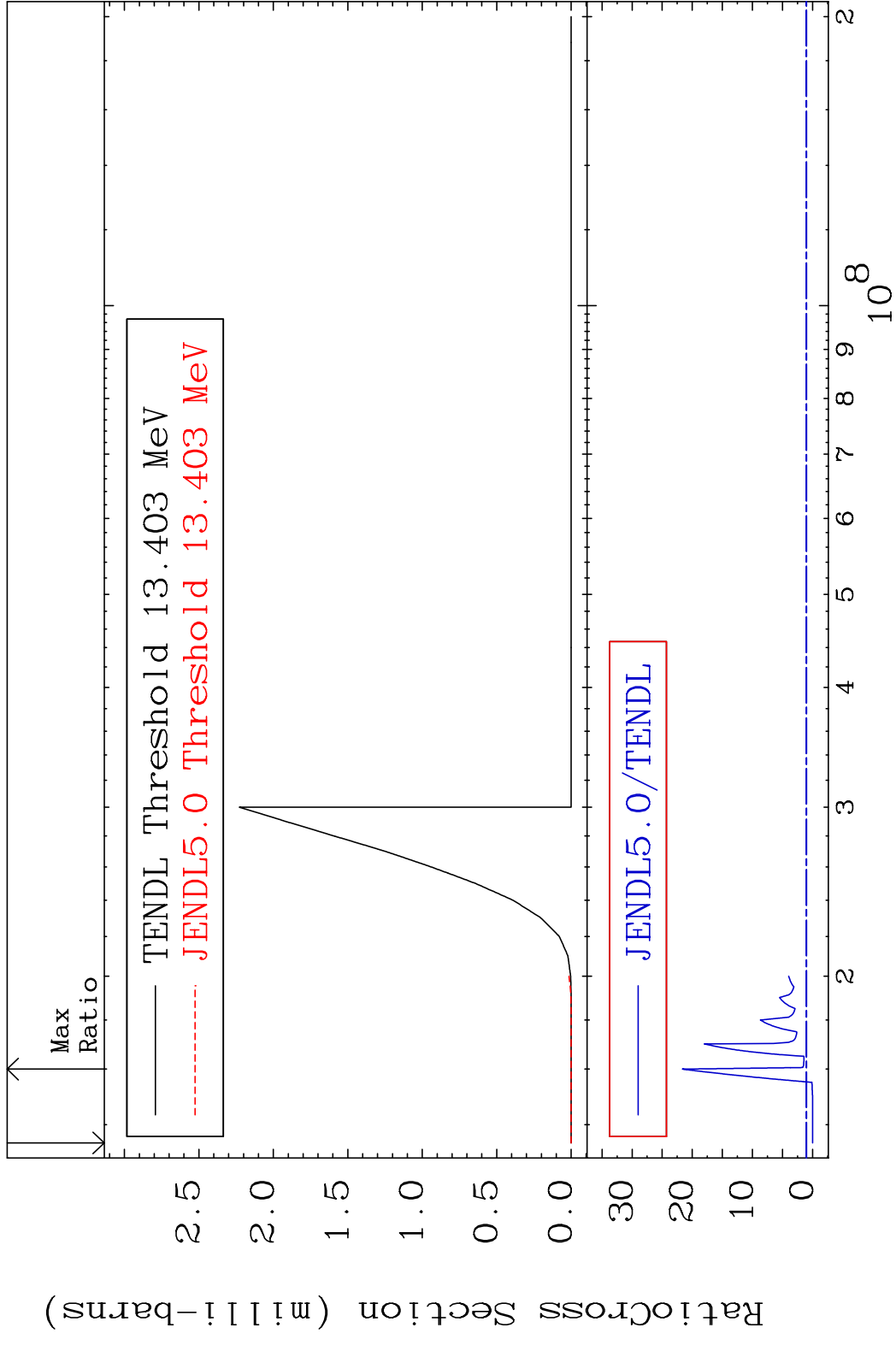
MAT 6037 Dpa inelastic (mt51-91) 60-Nd-146  
 Cross Section -25.41 To 9999. %

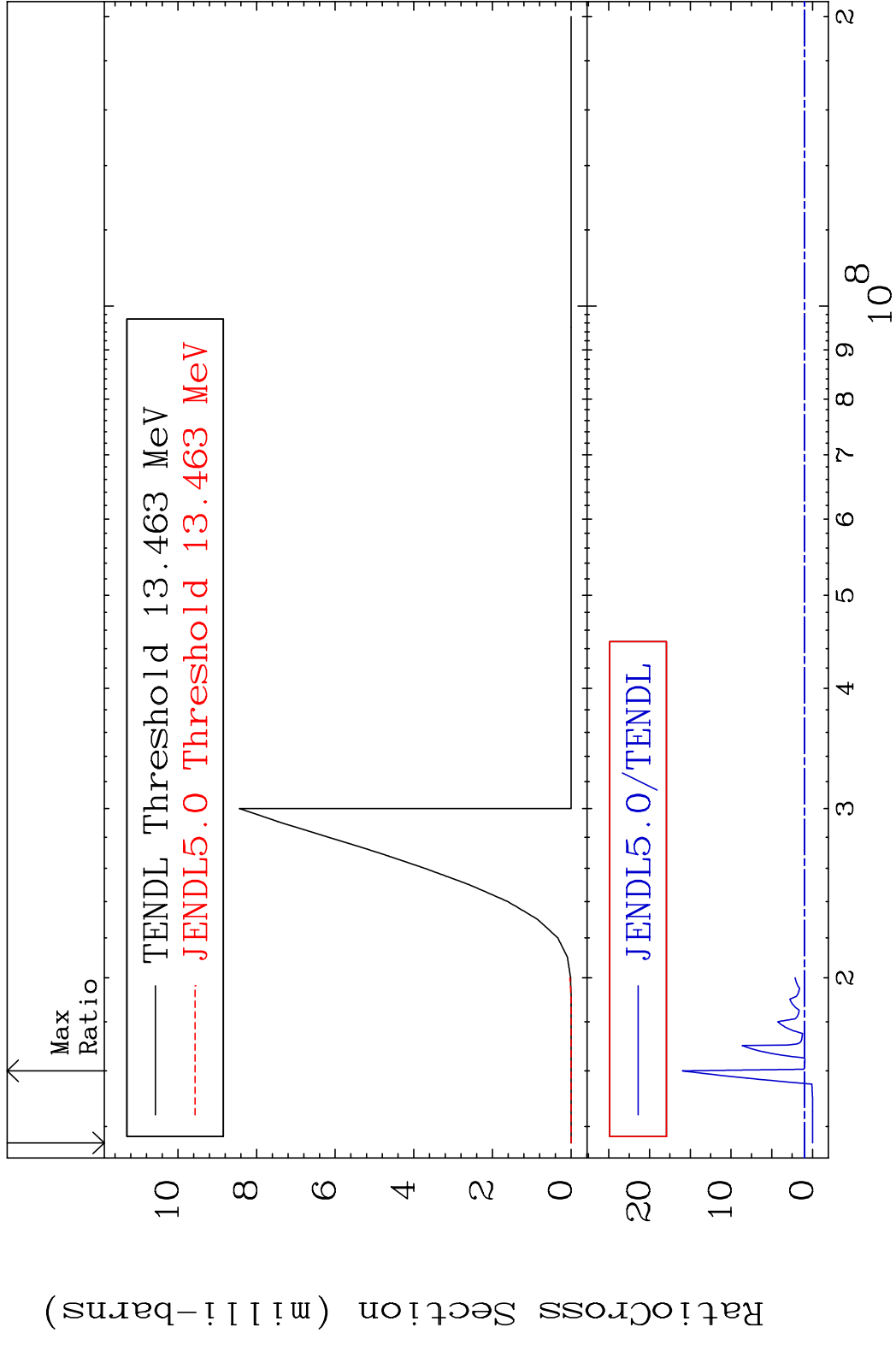


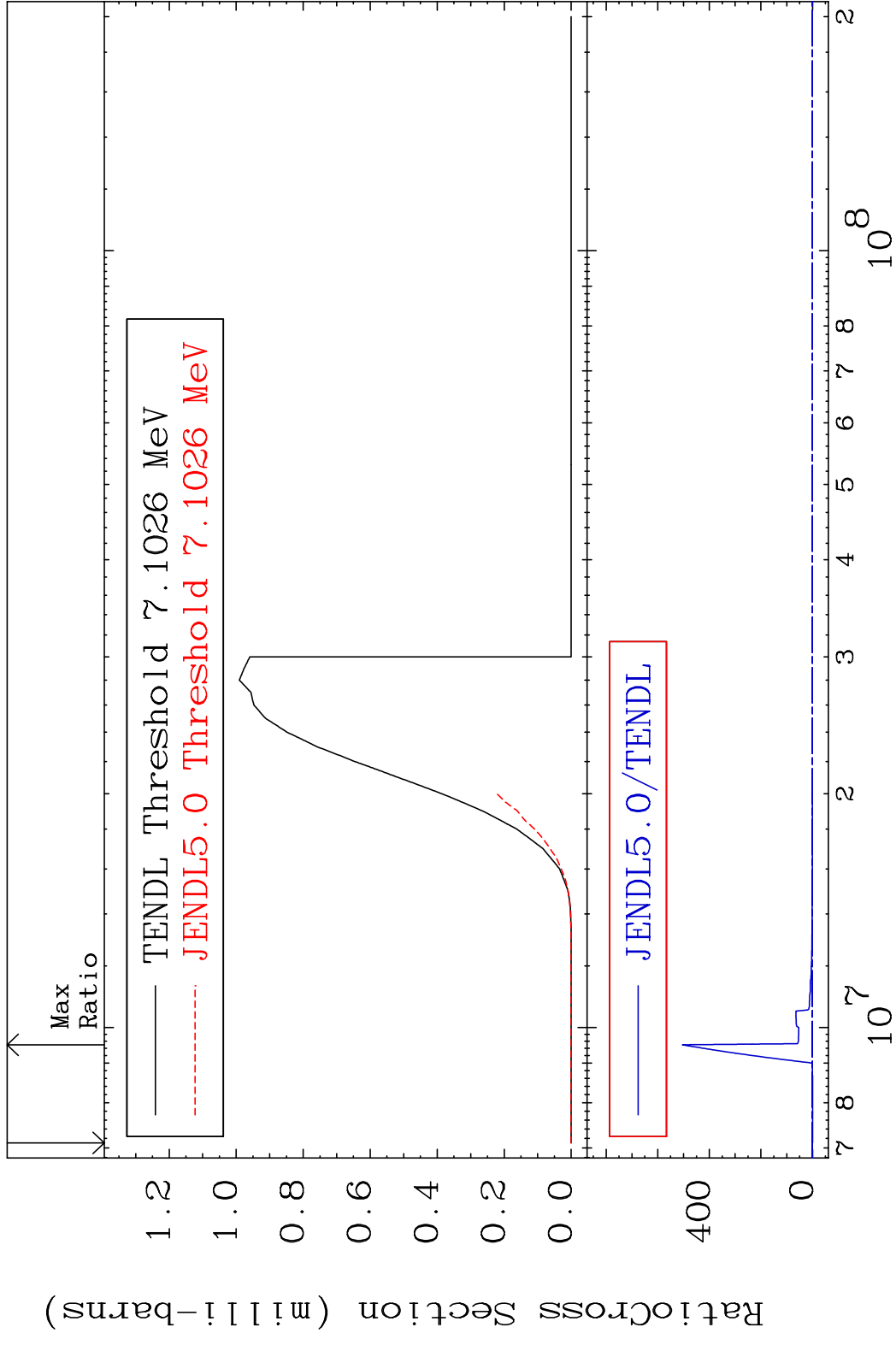
MAT 6037 Dpa disappearance (mt102 -120) 60-Nd-146  
 Cross Section -100.0 To 9999. %



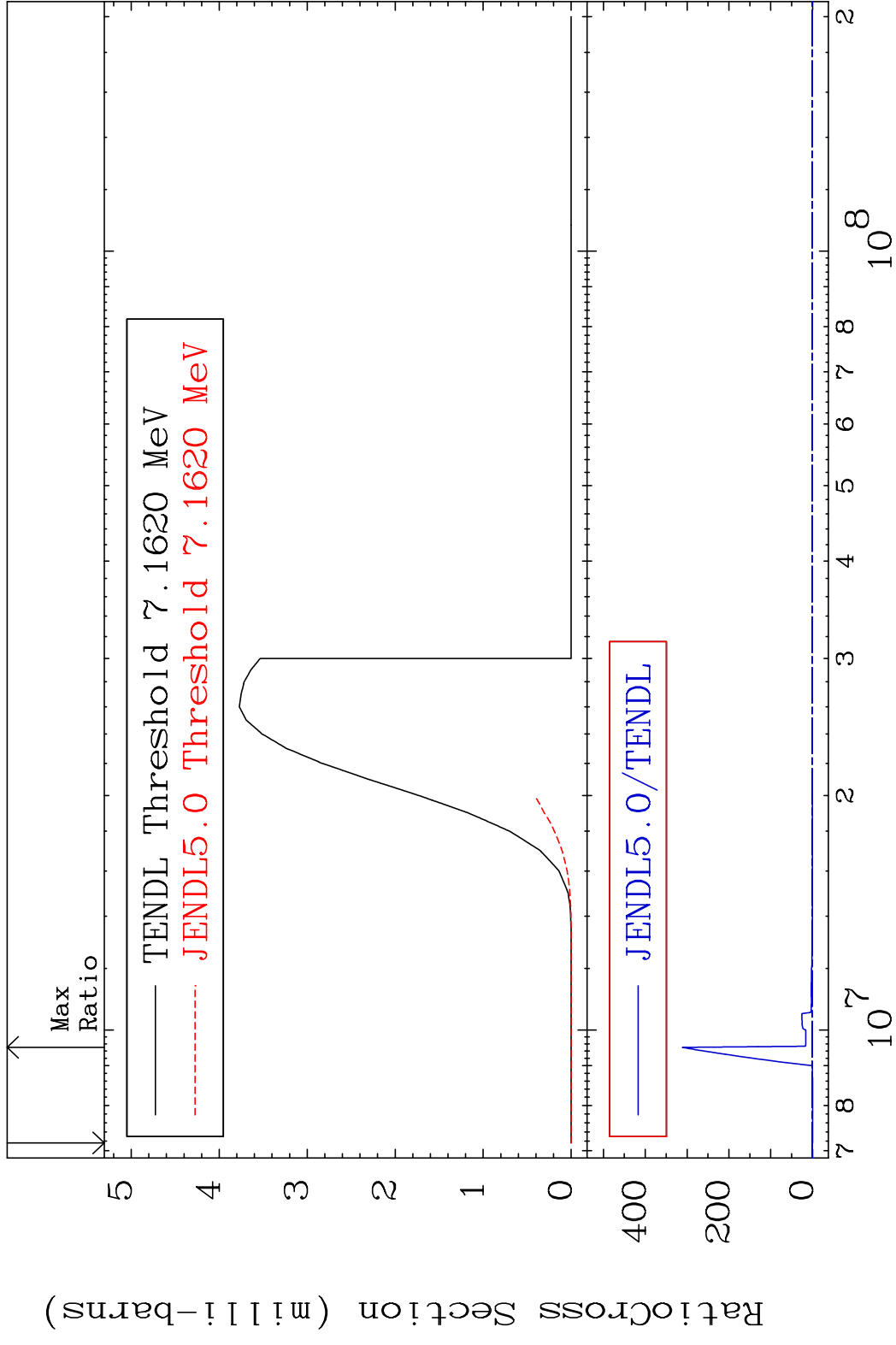
65 Incident Energy (eV) 60-Nd-146







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



69 Incident Energy (eV) 60-Nd-146