

Program Complot  
(Version 2021-1)

by

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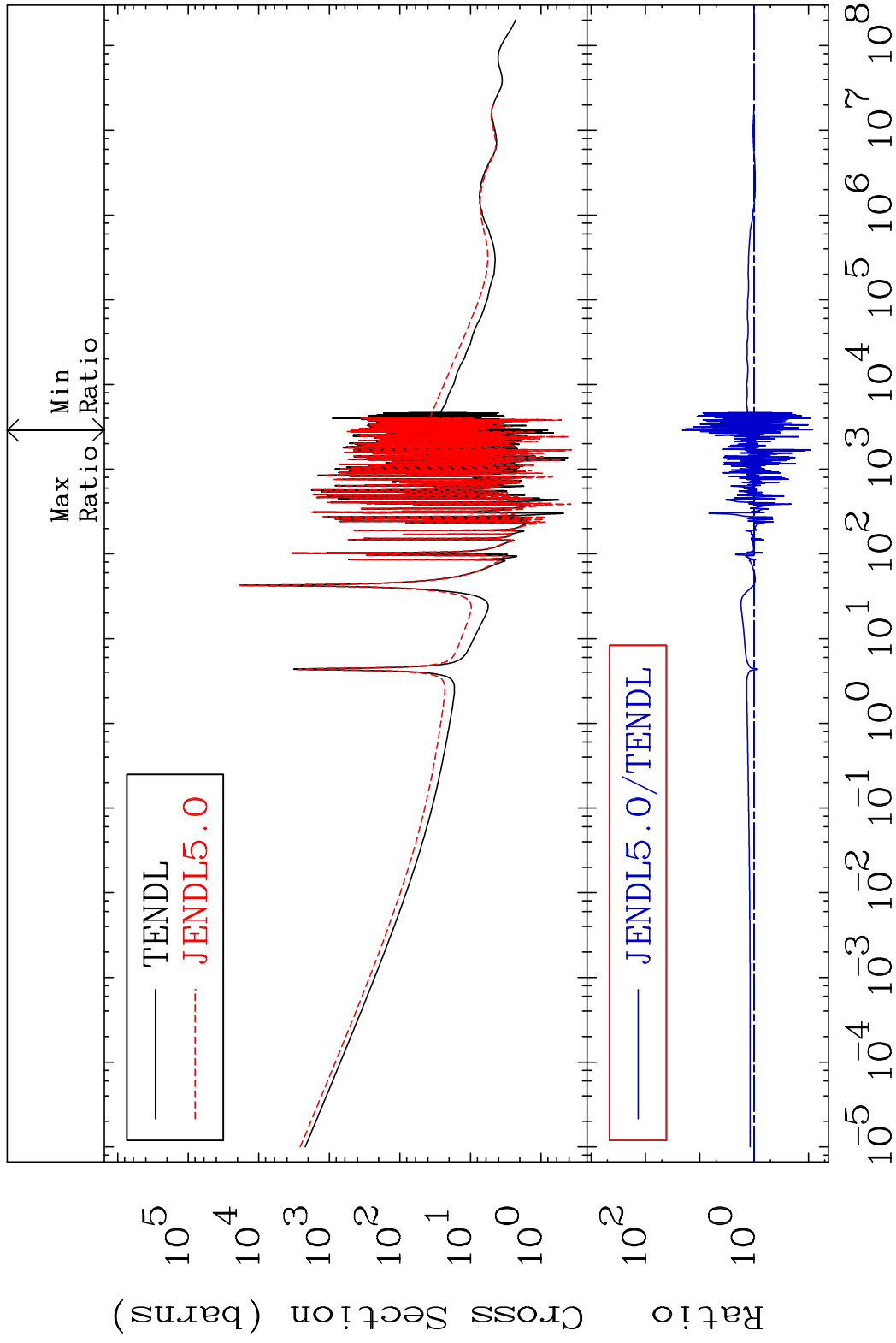
Press Mouse Button to Start

MAT 6034

Total

60-Nd-145

Cross Section -91.62 To 1991. %



1

Incident Energy (eV)

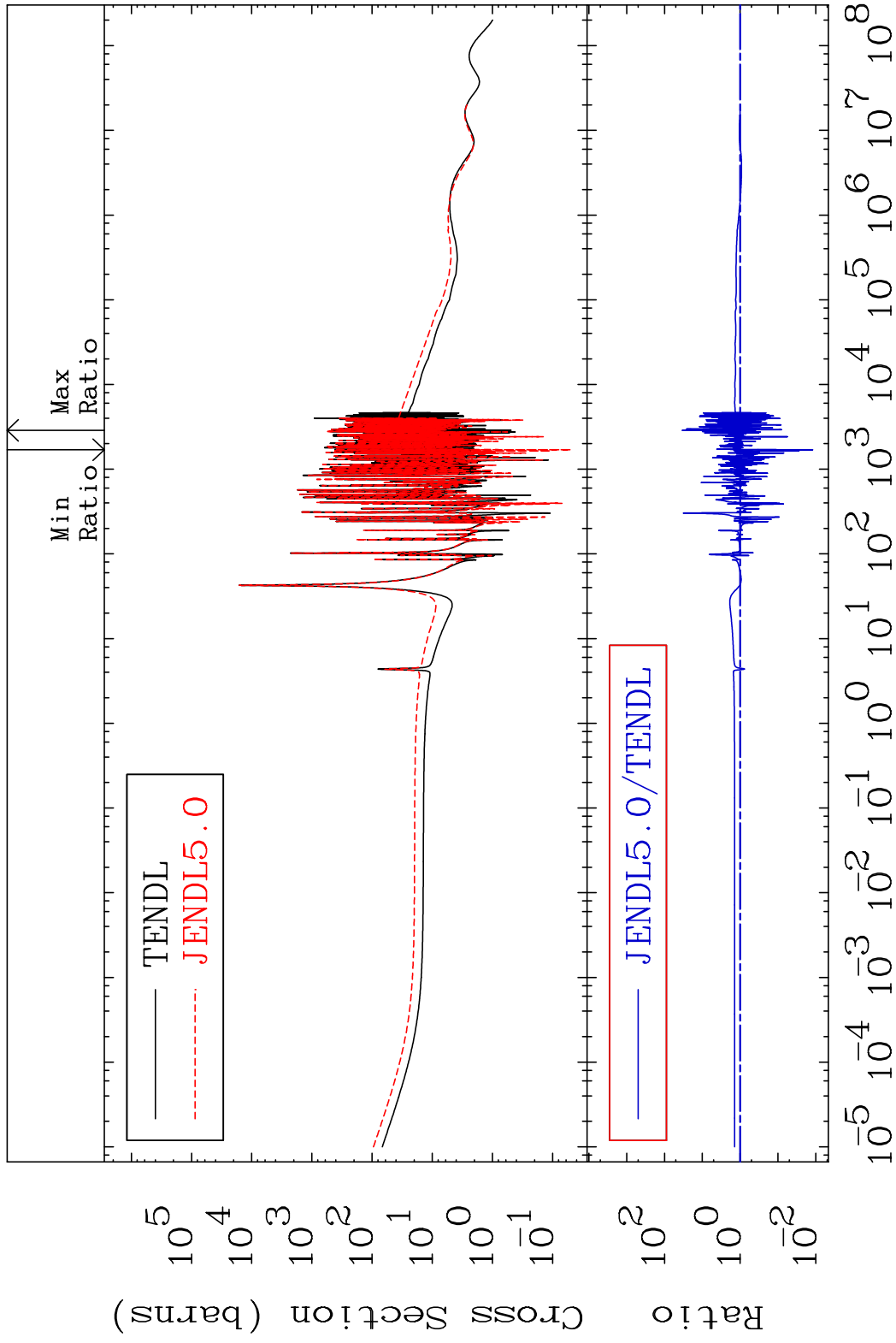
60-Nd-145

MAT 6034

Elastic

60-Nd-145

Cross Section -98.78 To 3272. %

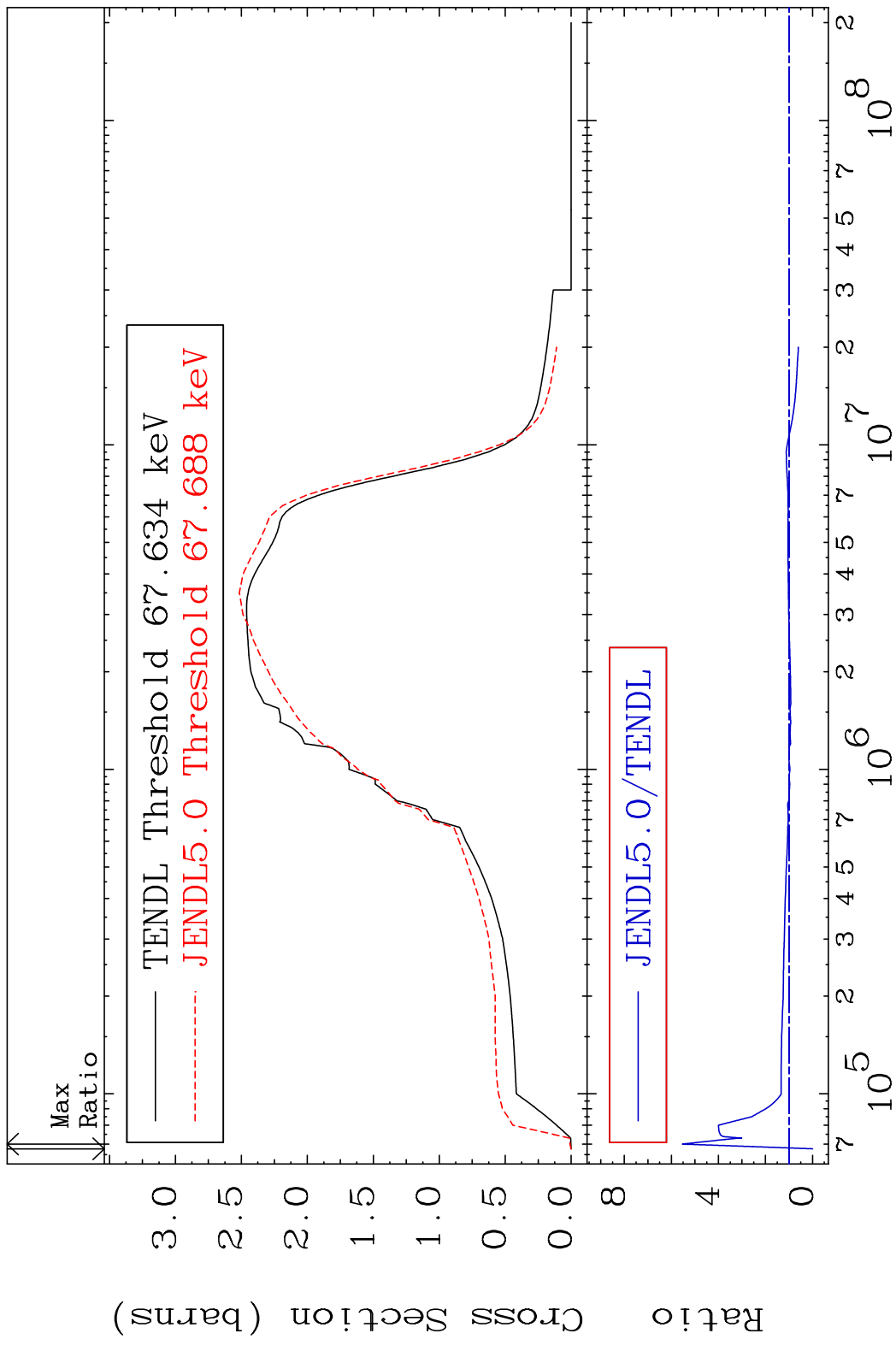


2

Incident Energy (eV)

60-Nd-145

MAT 6034 Inelastic 60-Nd-145  
 Cross Section -100.0 To 453.4 %



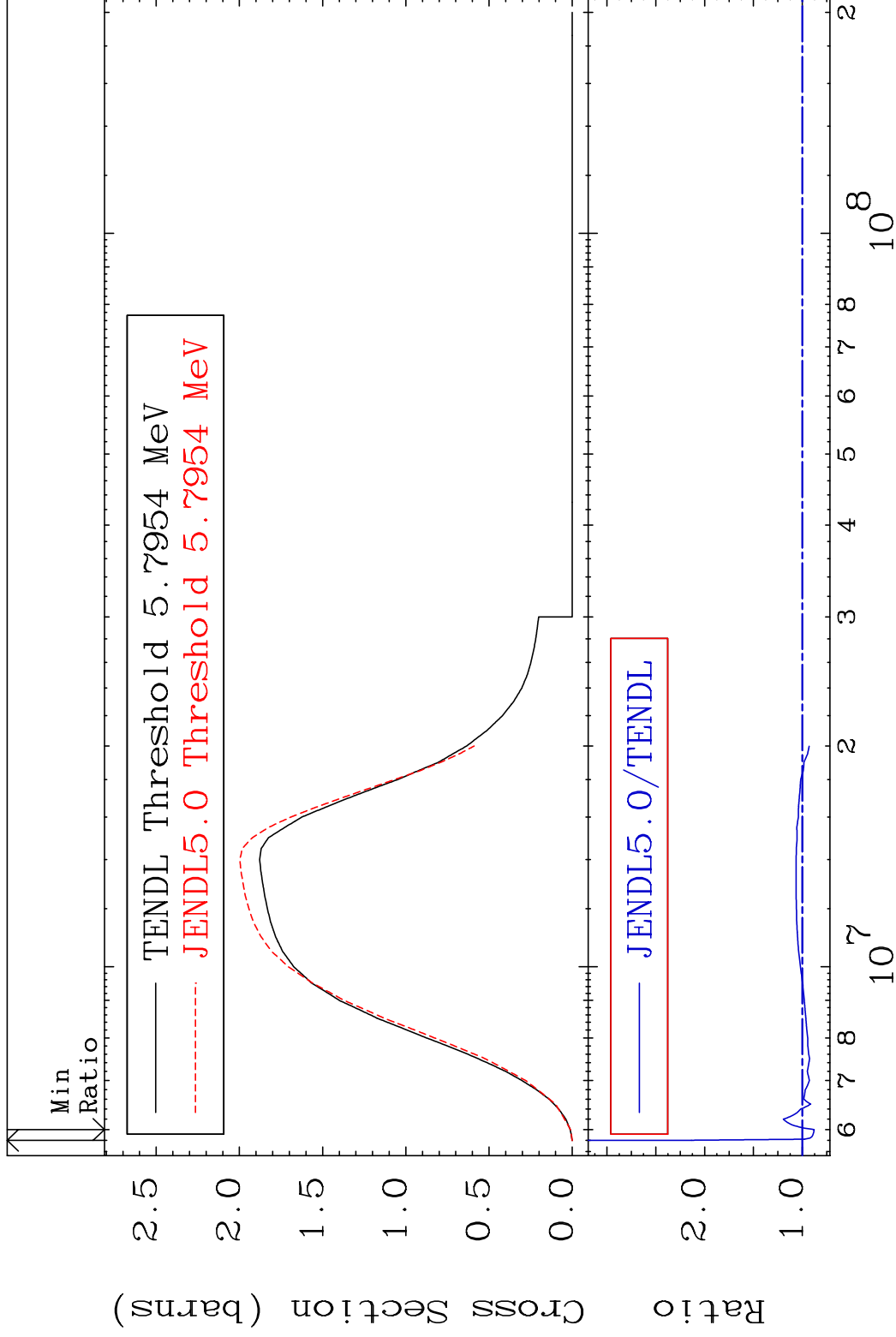
3 Incident Energy (eV) 60-Nd-145

MAT 6034

(n,2n)

60-Nd-145

Cross Section -12.06 To 121.5 %



4

Incident Energy (eV)

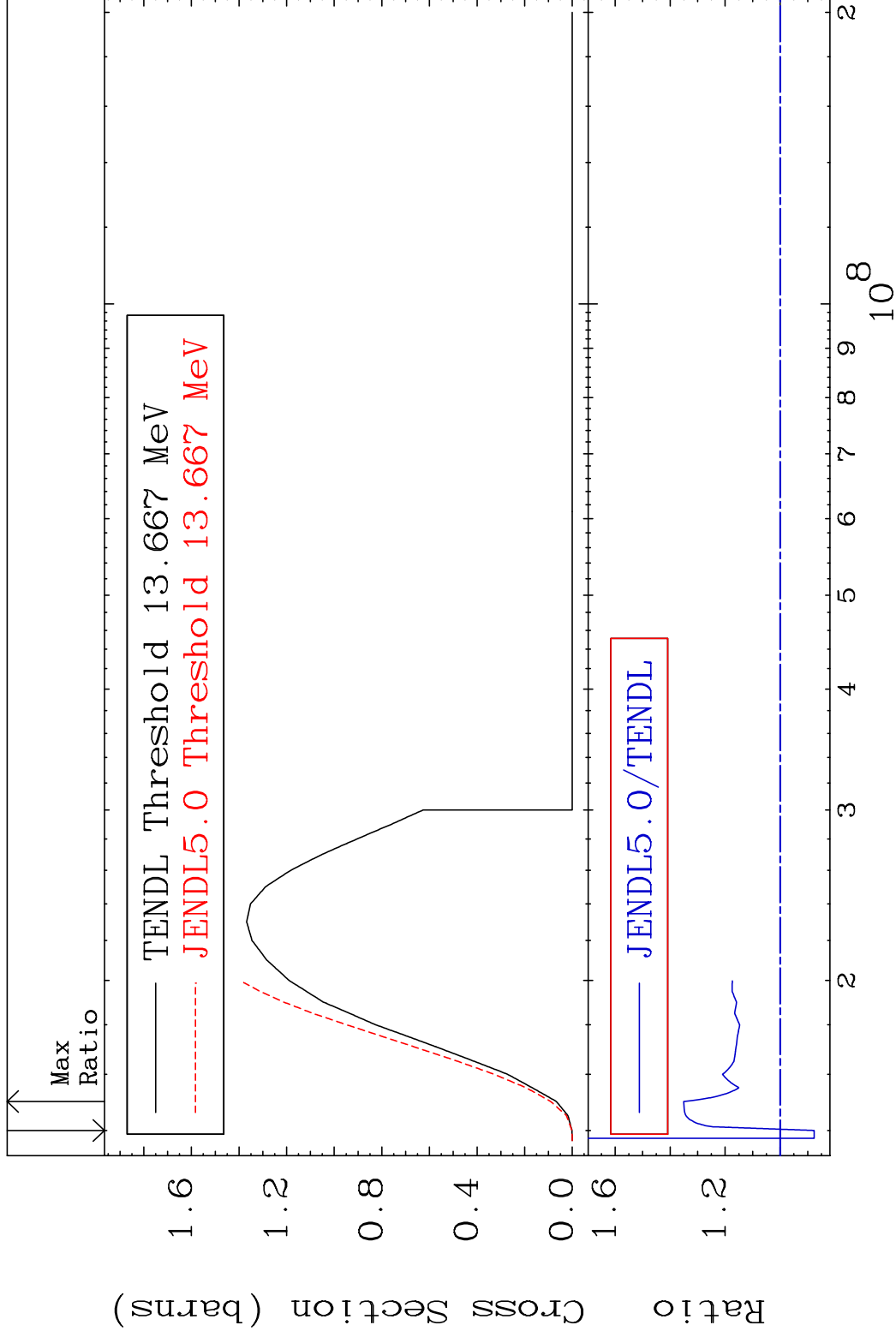
60-Nd-145

MAT 6034

(n,3n)

60-Nd-145

Cross Section -12.34 To 35.07 %

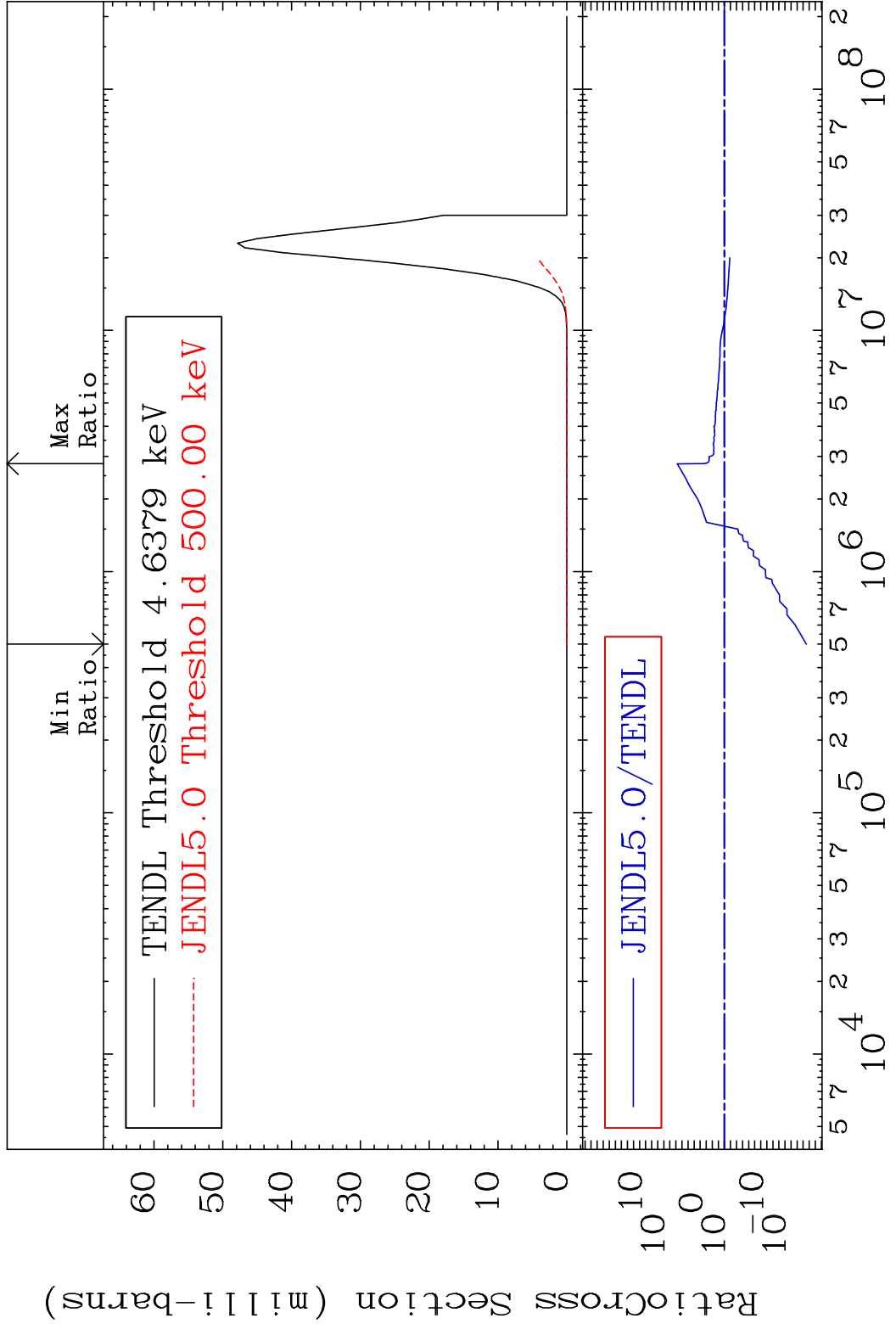


5

Incident Energy (eV)

60-Nd-145

MAT 6034 (n, n')  $\alpha$  60-Nd-145  
 Cross Section -100.0 To 9999. %



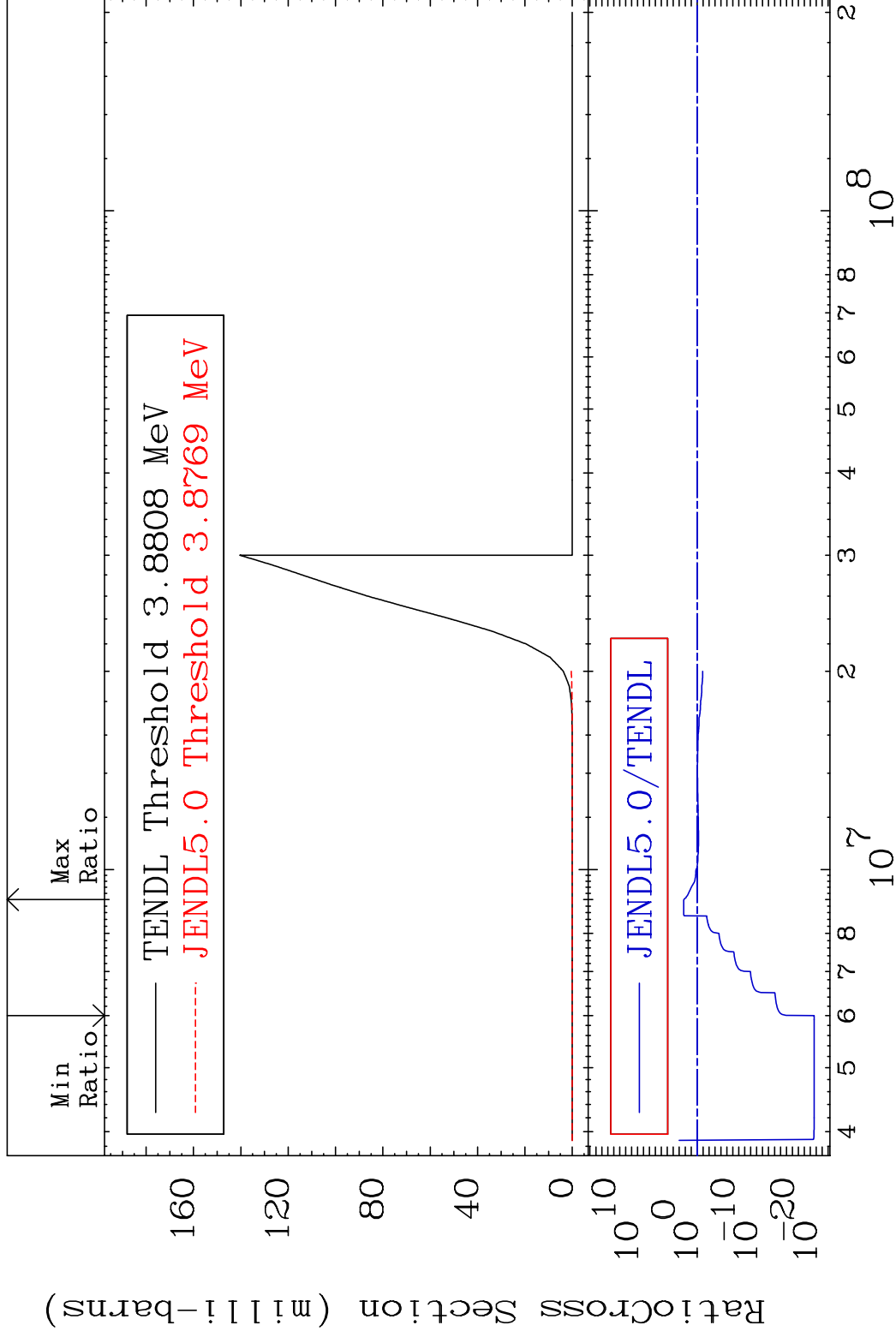
6 60-Nd-145

MAT 6034

(n,2n)  $\alpha$

60-Nd-145

Cross Section -100.0 To 9999. %

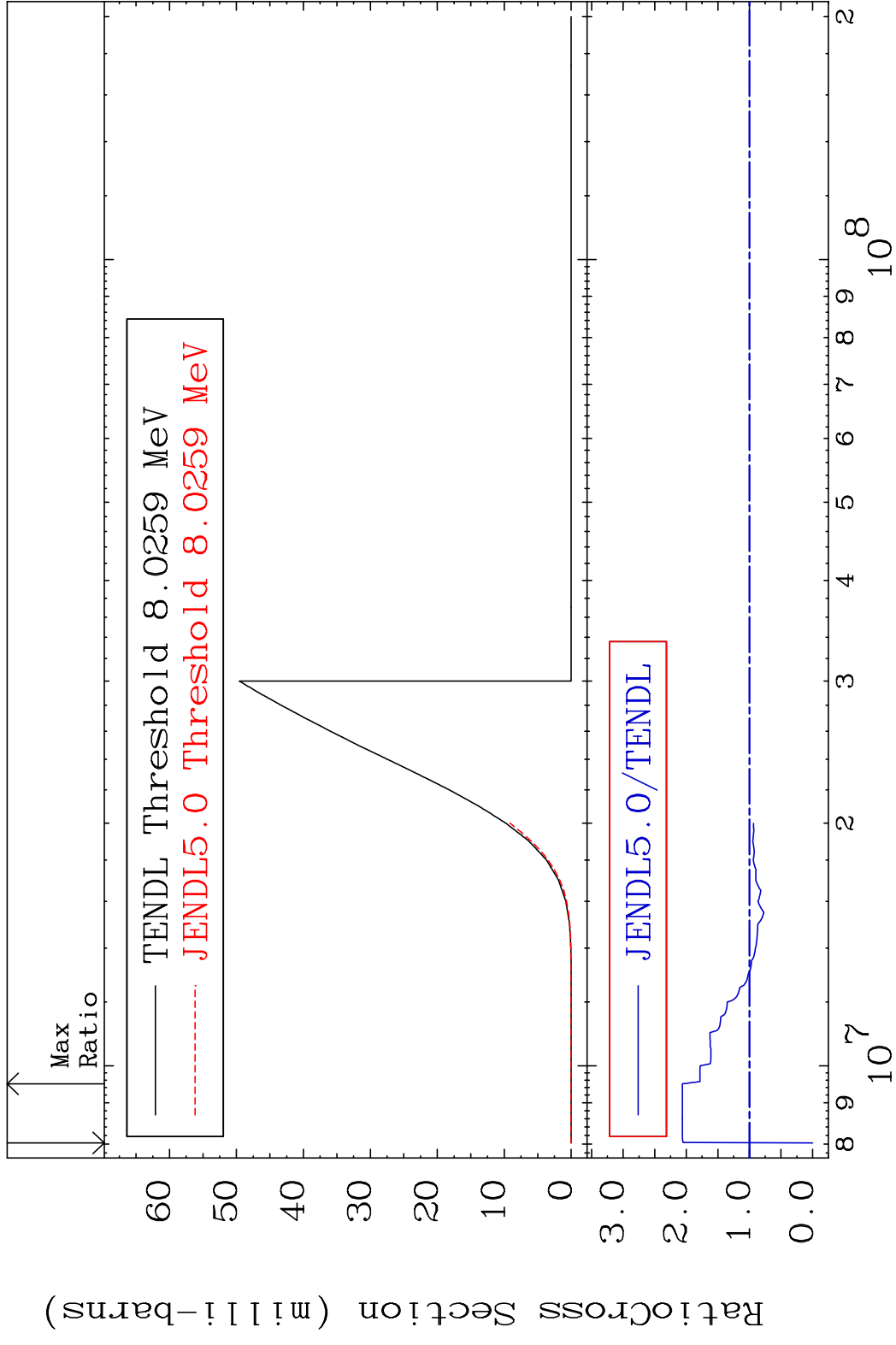


7

Incident Energy (eV)

60-Nd-145

MAT 6034 (n, n') p 60-Nd-145  
 Cross Section -100.0 To 106.2 %



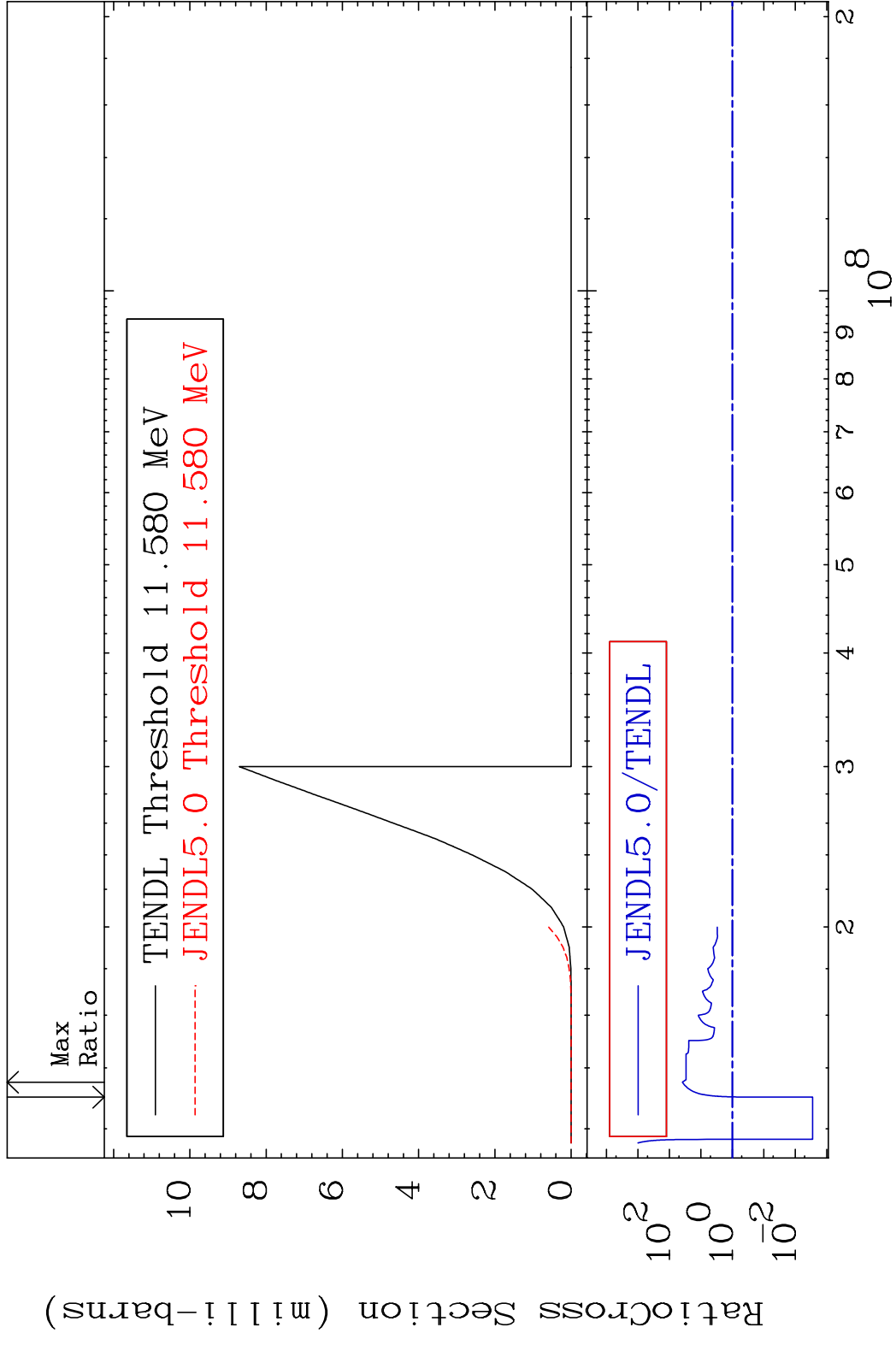
8 8 9 10 7 10 8 9 10 8 Incident Energy (eV) 60-Nd-145

MAT 6034

(n, n') d

60-Nd-145

Cross Section -99.72 To 3776. %

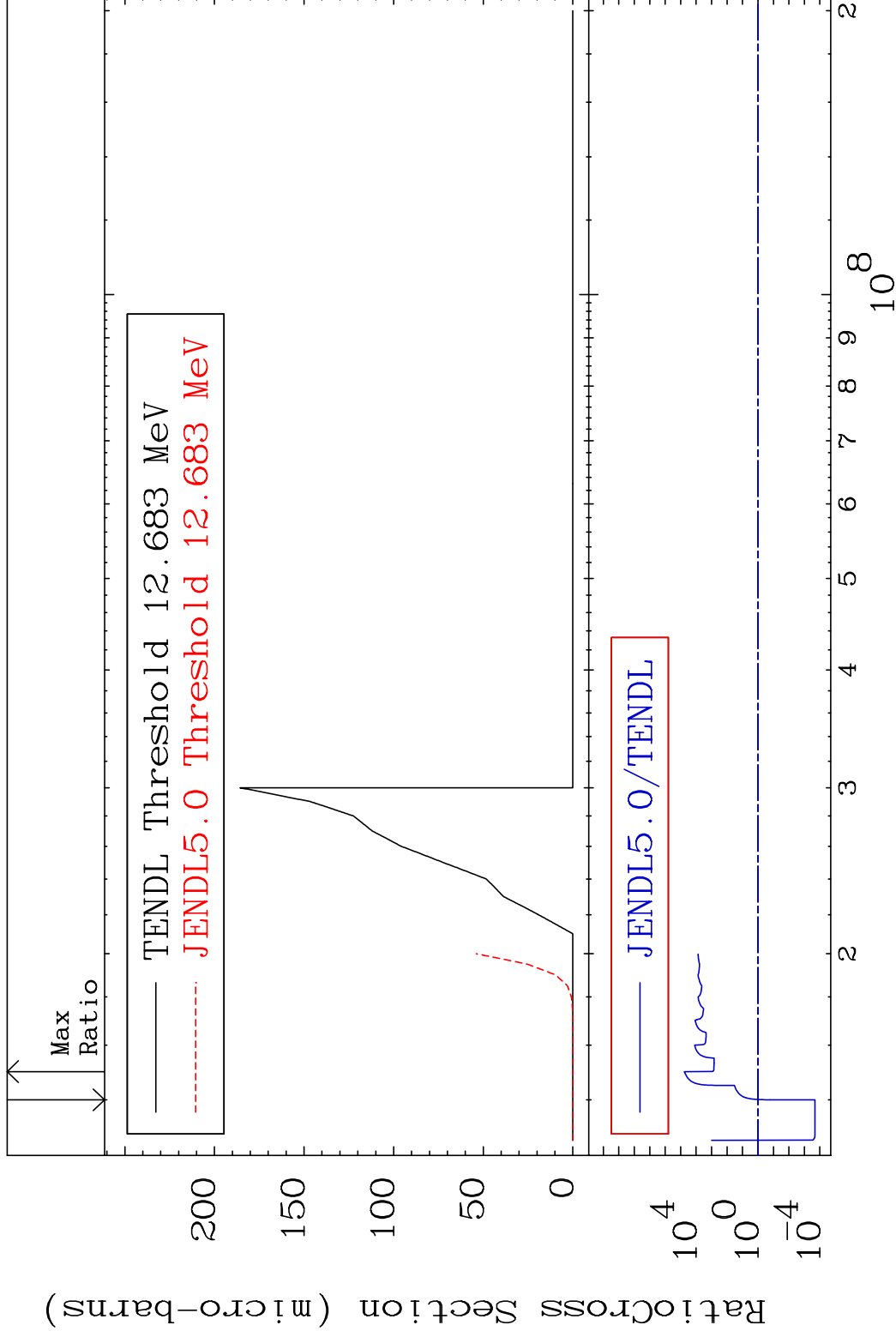


MAT 6034

(n, n') t

60-Nd-145

Cross Section -99.98 To 9999. %



10

Incident Energy (eV)

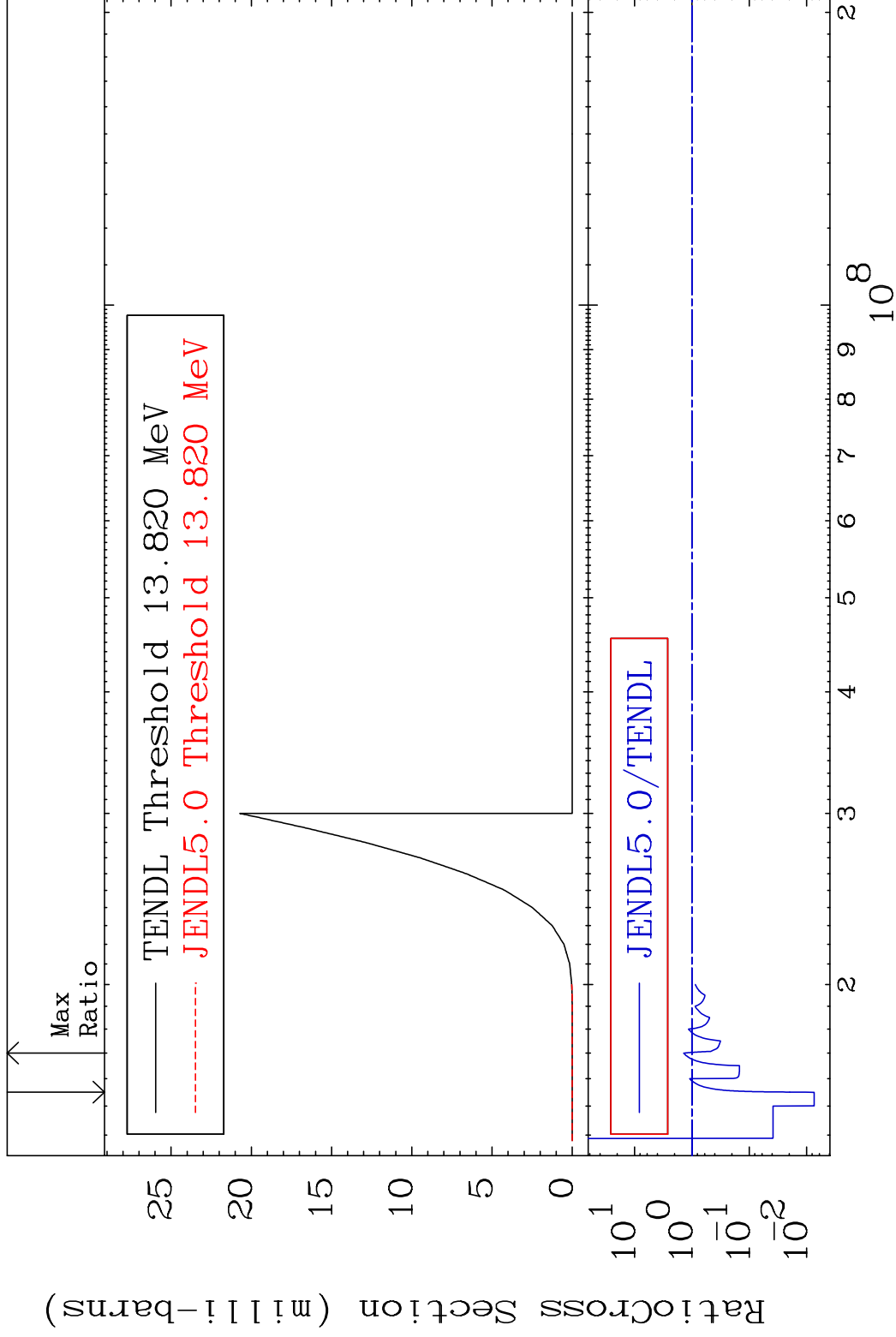
60-Nd-145

MAT 6034

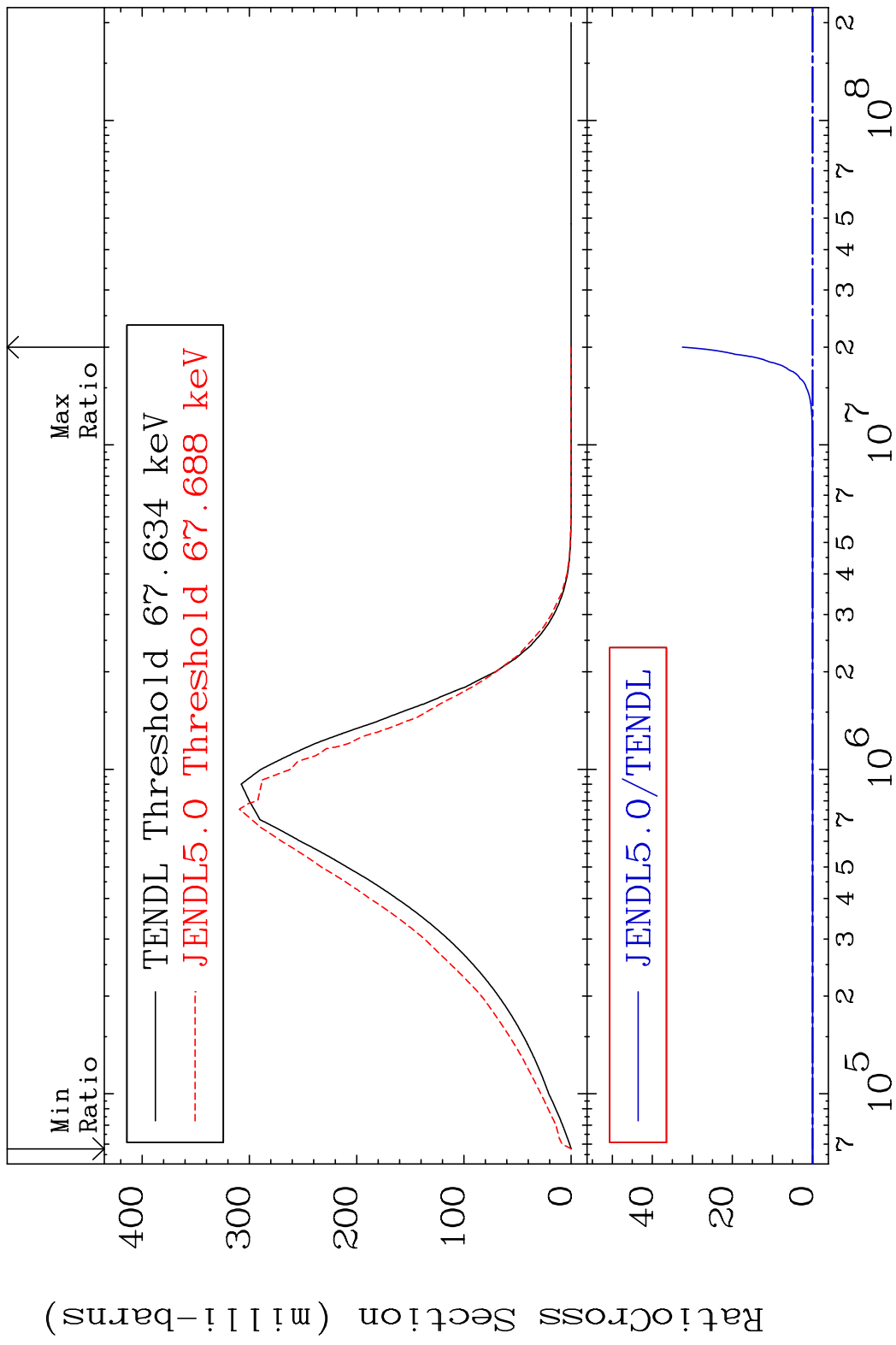
(n,2n) p

60-Nd-145

Cross Section -99.26 To 39.11 %

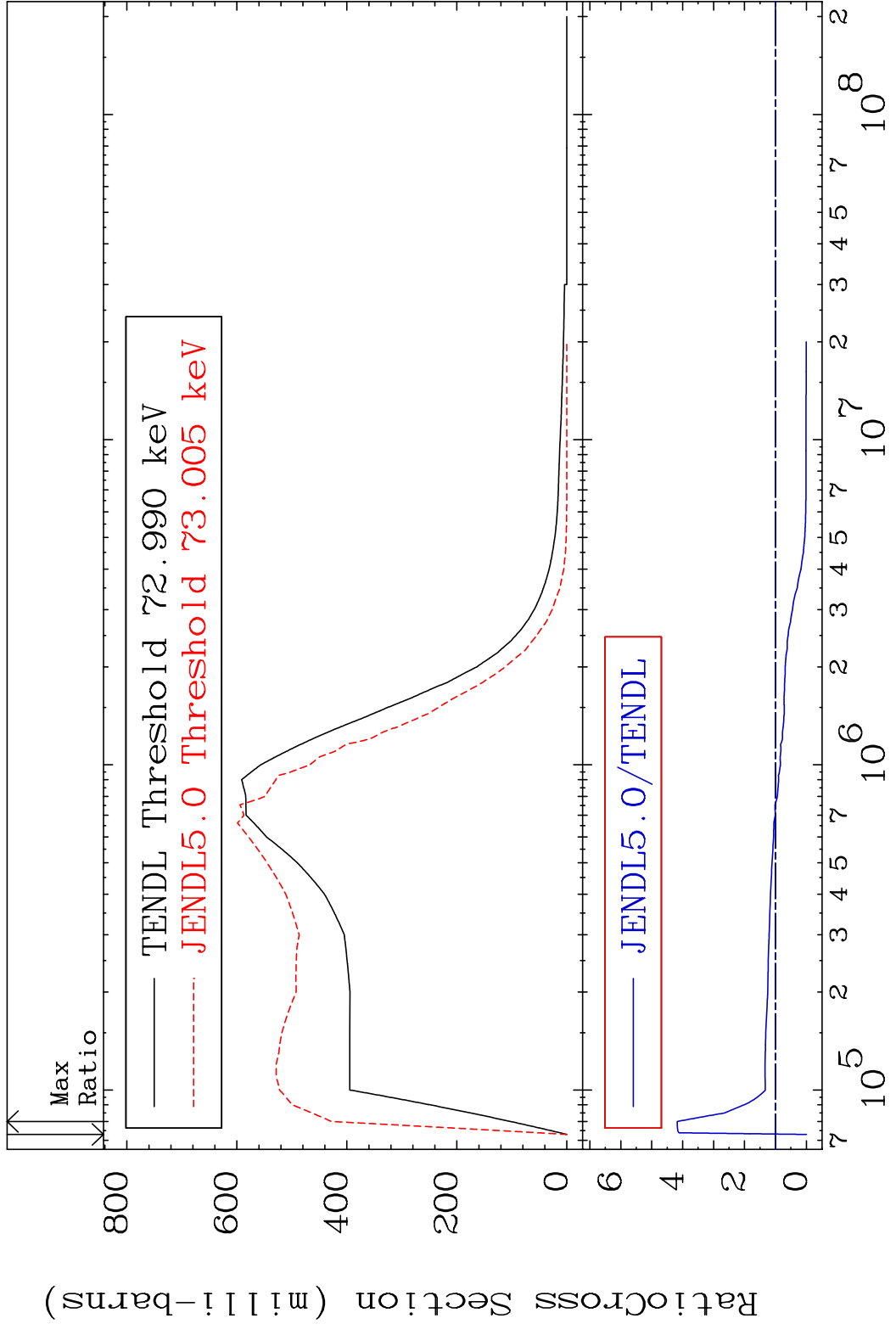


MAT 6034 MT= 51 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 9999. %

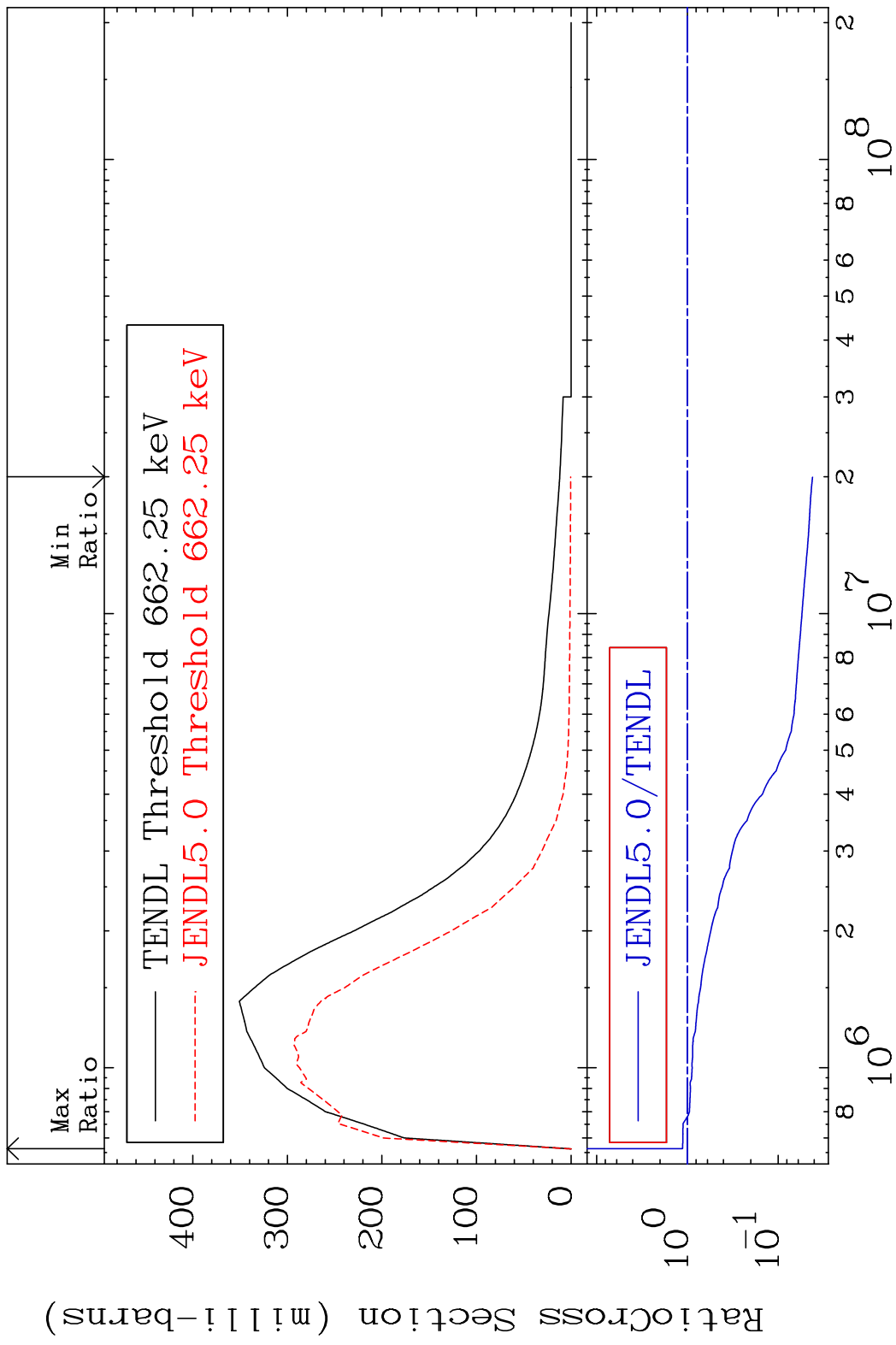


12 Incident Energy (eV) 60-Nd-145

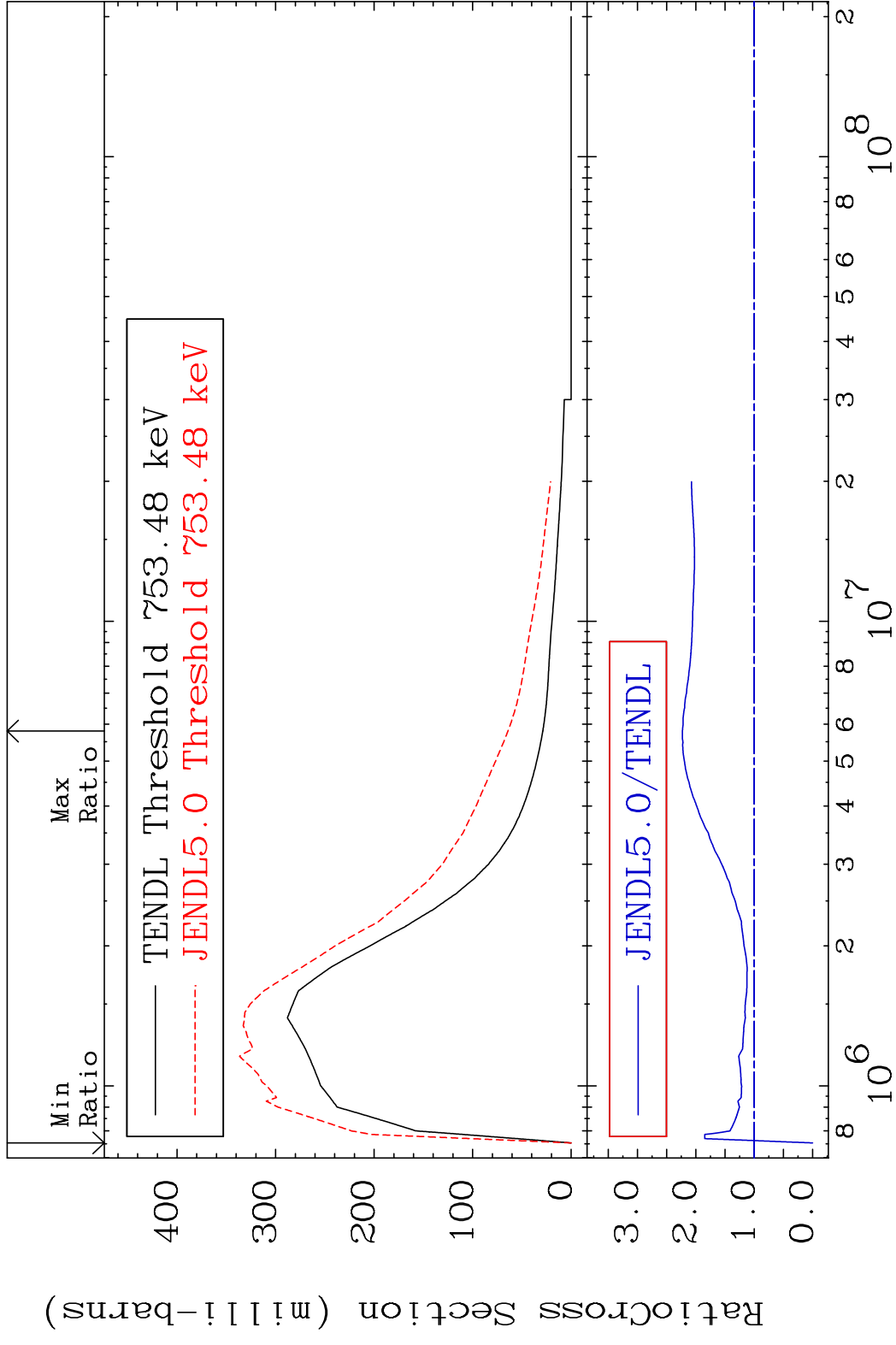
MAT 6034 MT= 52 (n,n') Level 60-Nd-145  
 Cross Section -100.0 To 317.8 %



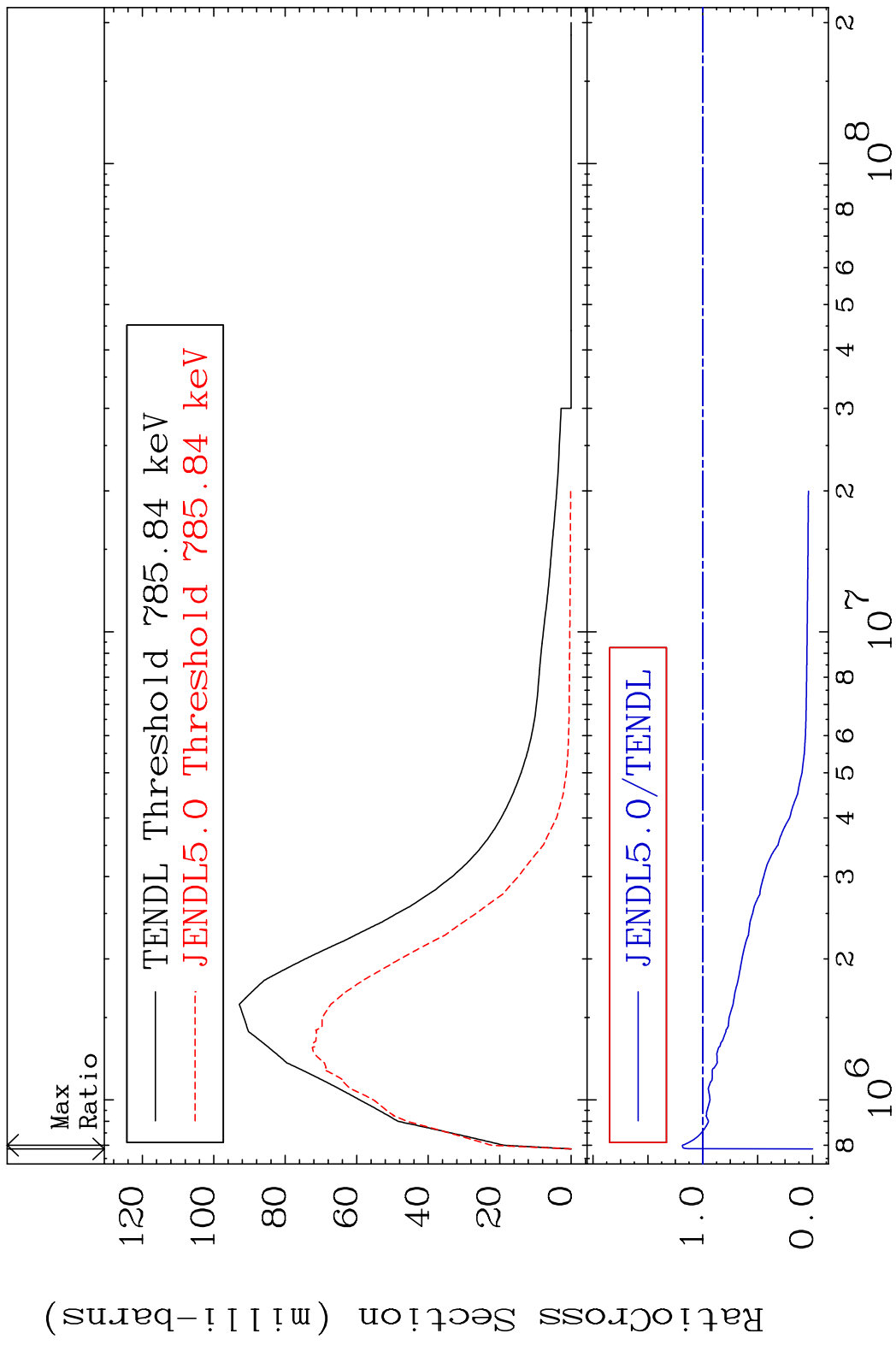
MAT 6034 MT= 53 (n, n') Level 60-Nd-145  
 Cross Section -95.83 To 13.53 %



MAT 6034 MT= 54 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 123.0 %

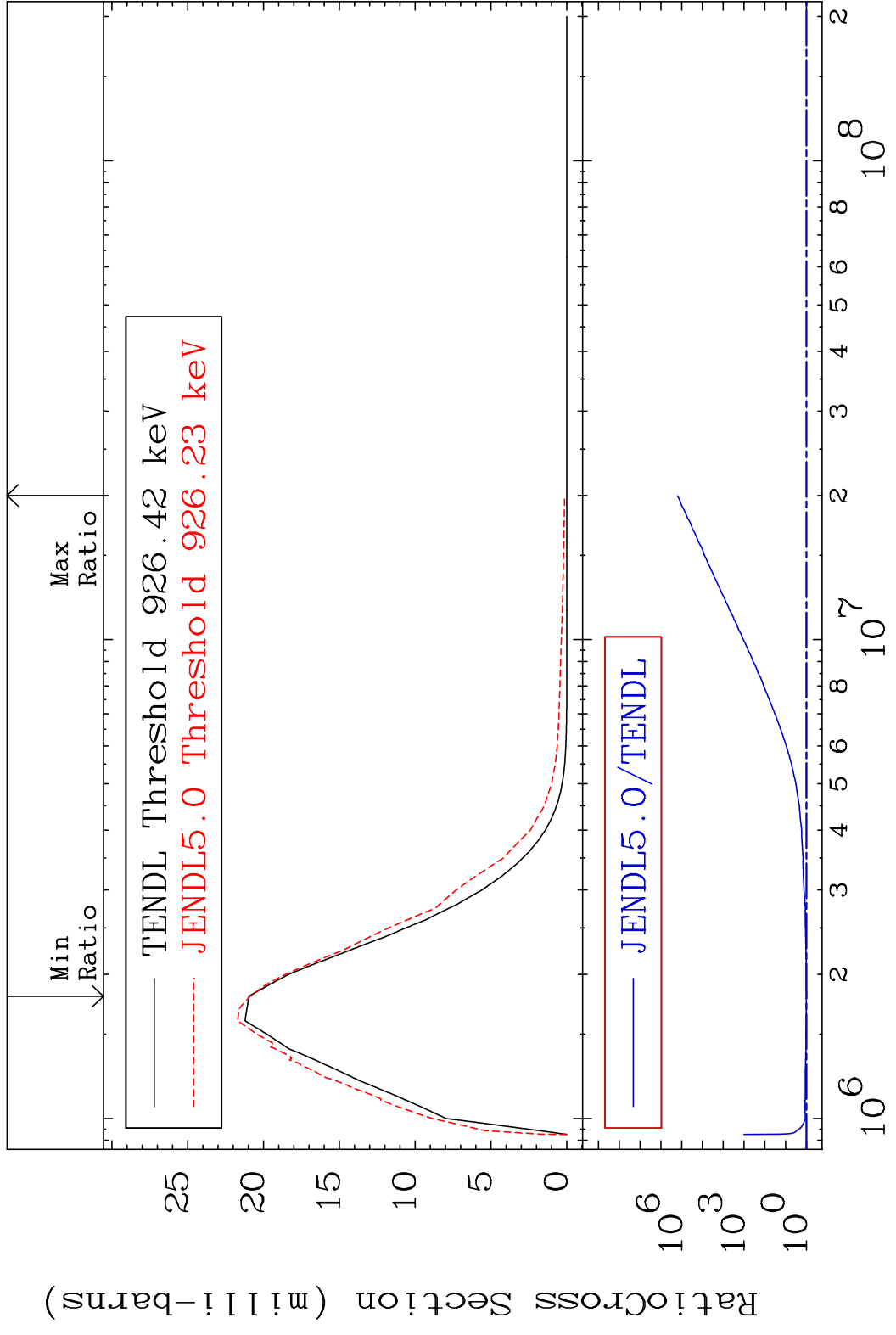


MAT 6034 MT= 55 (n,n') Level 60-Nd-145  
 Cross Section -100.0 To 18.63 %



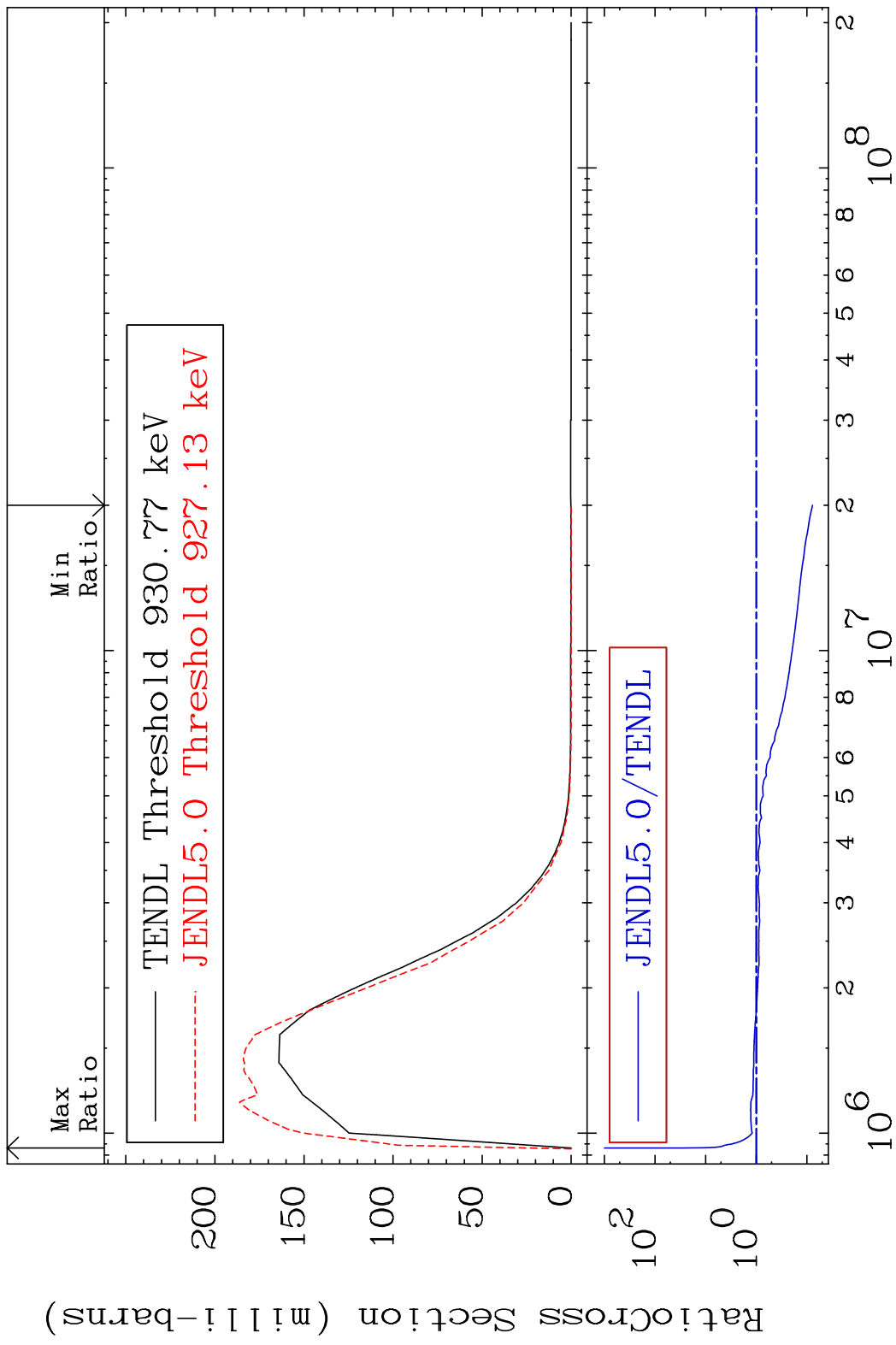
16 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 56 (n, n') Level 60-Nd-145  
 Cross Section -0.425 To 9999. %



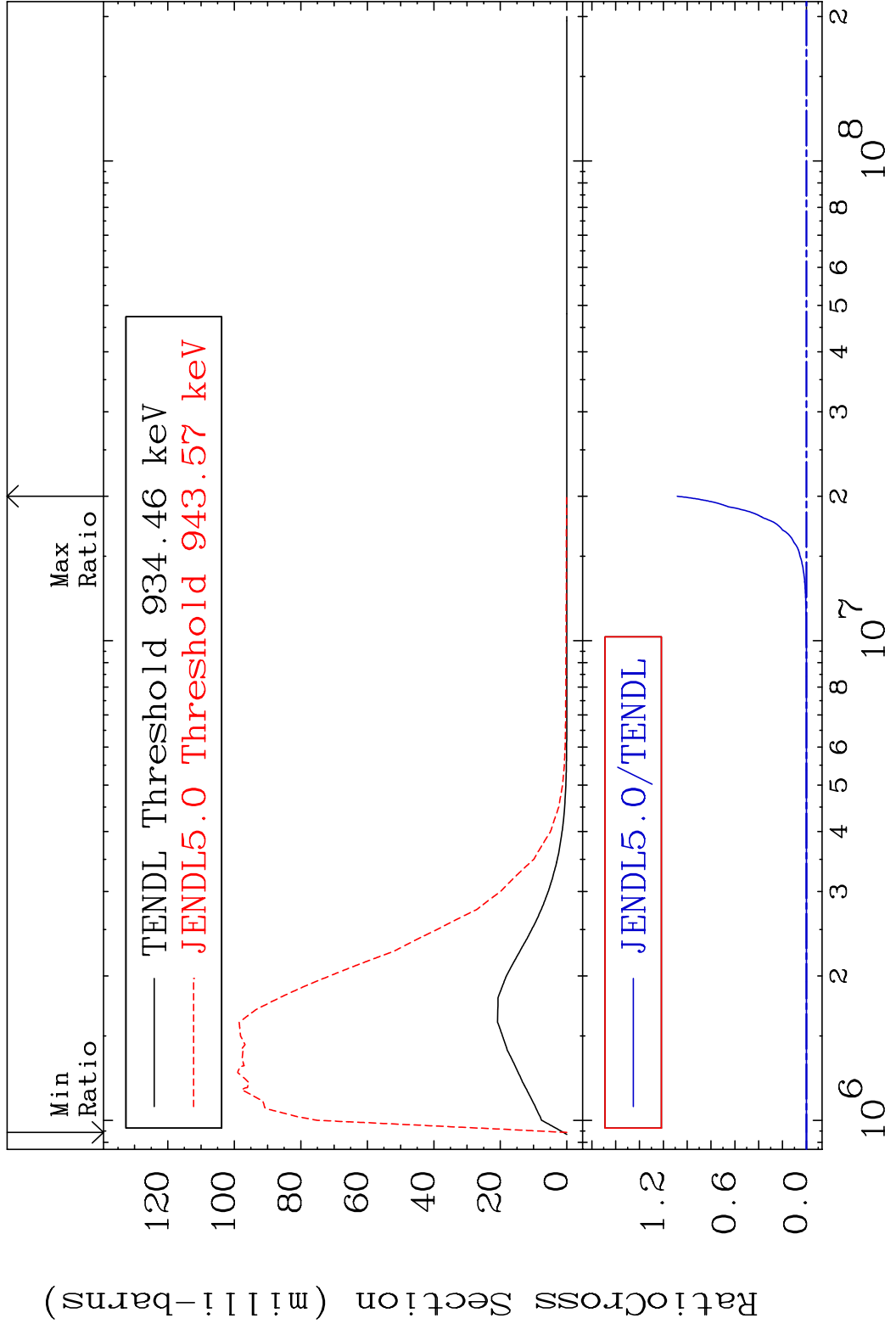
17 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 57 (n, n') Level 60-Nd-145  
 Cross Section -92.25 To 2792. %



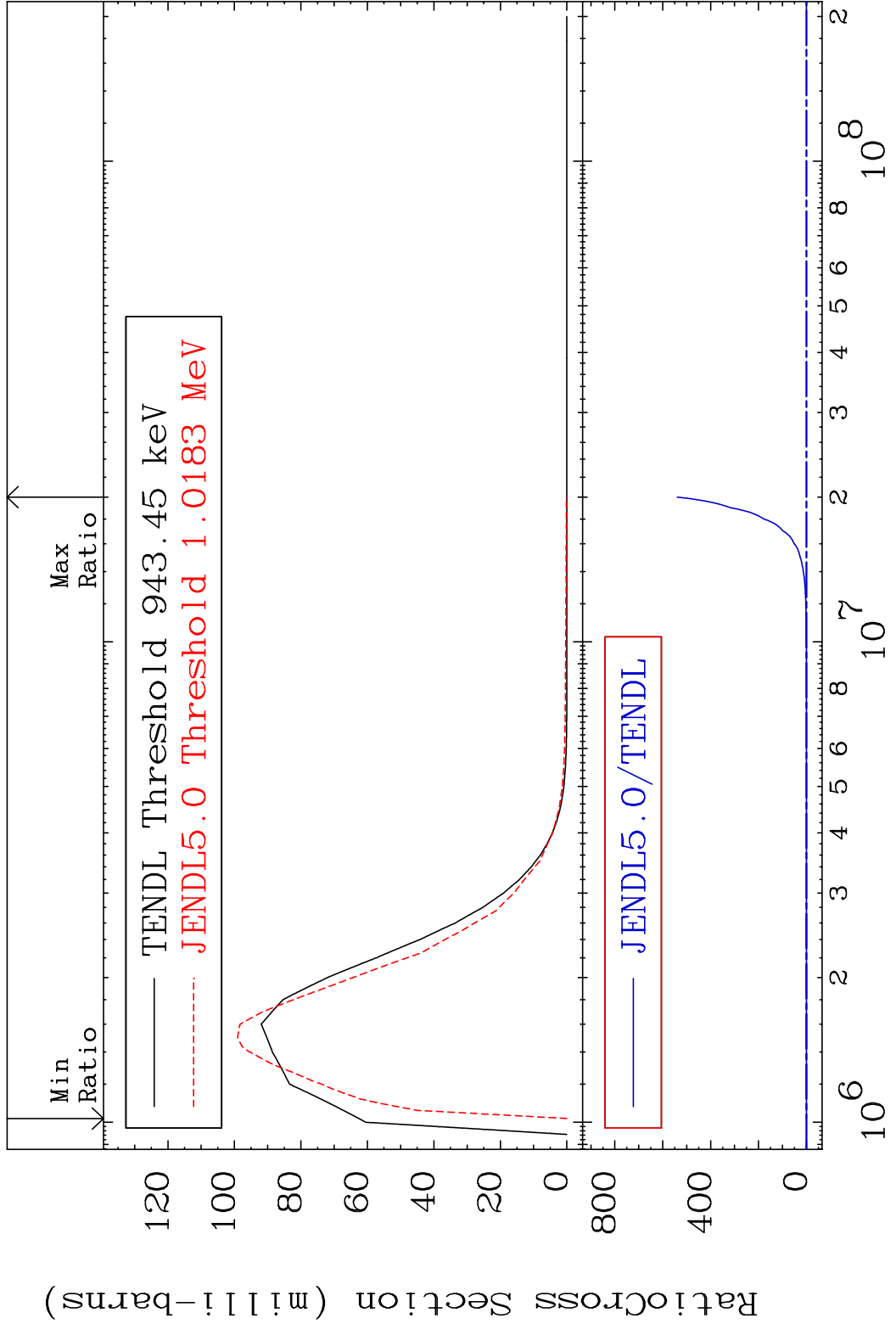
18 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 58 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 9999. %



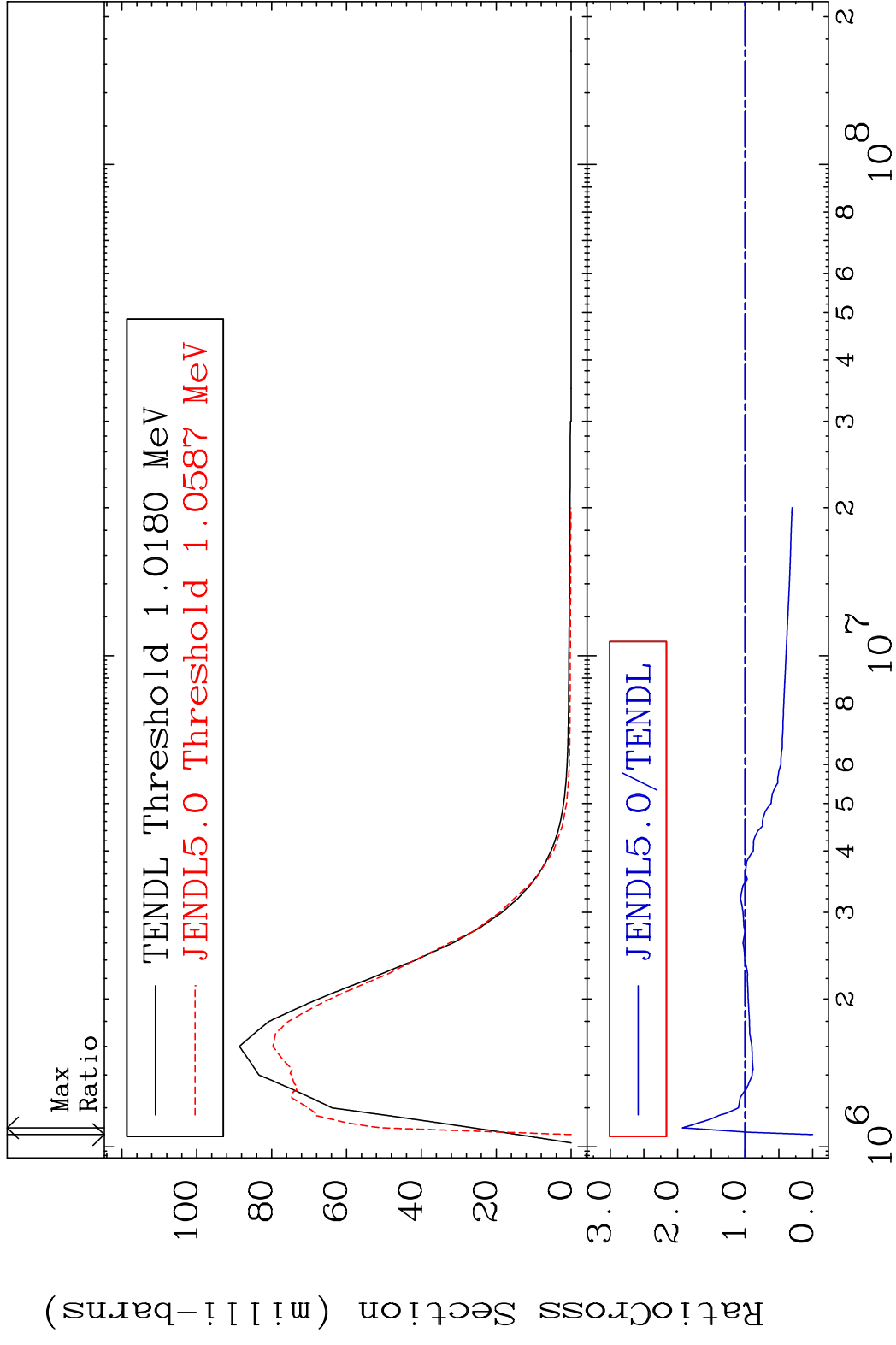
19 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 59 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 9999. %



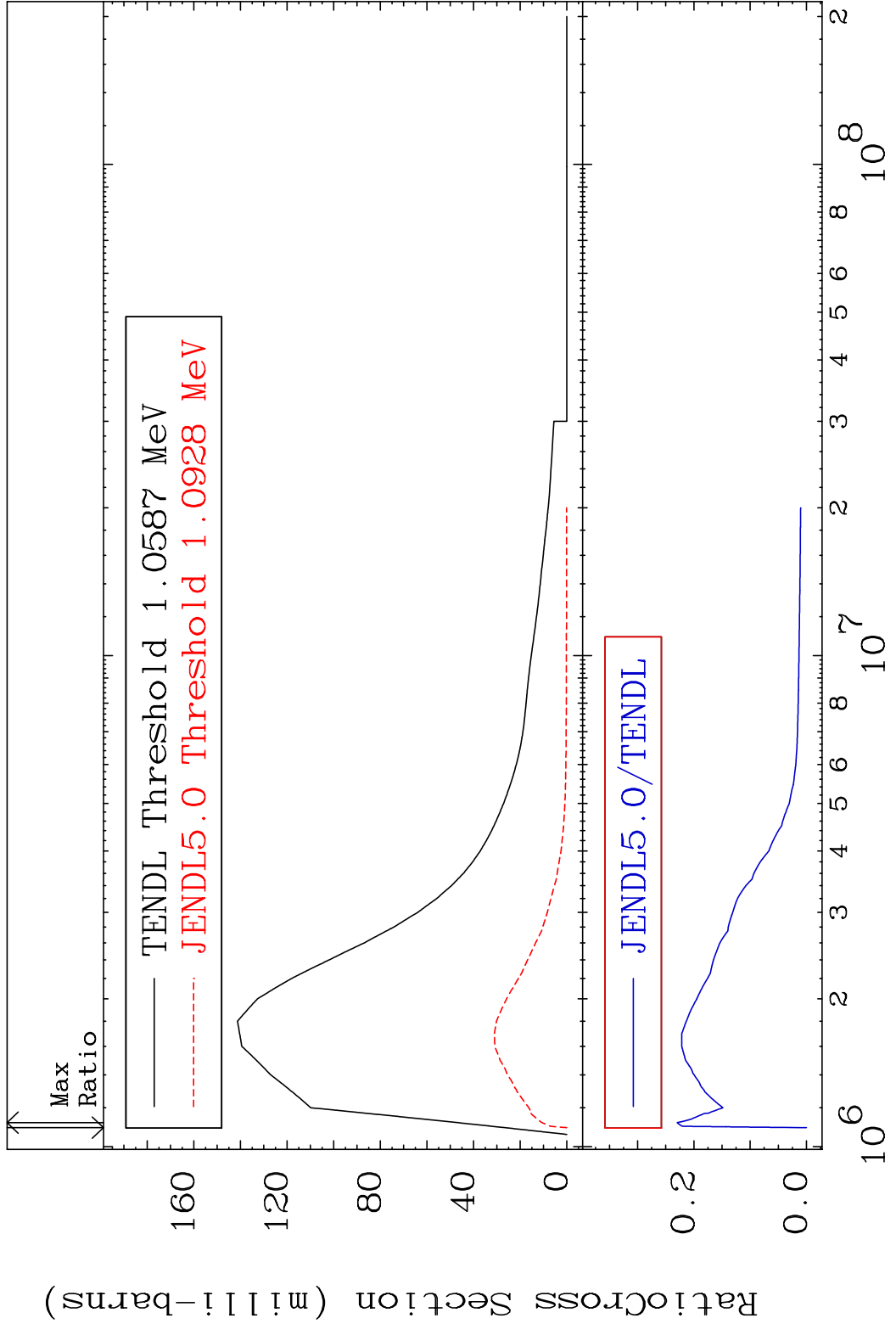
20 10<sup>6</sup> 2 3 4 5 6 8 10<sup>7</sup> 10<sup>8</sup> 2

MAT 6034 MT= 60 (n,n') Level 60-Nd-145  
 Cross Section -100.0 To 93.07 %

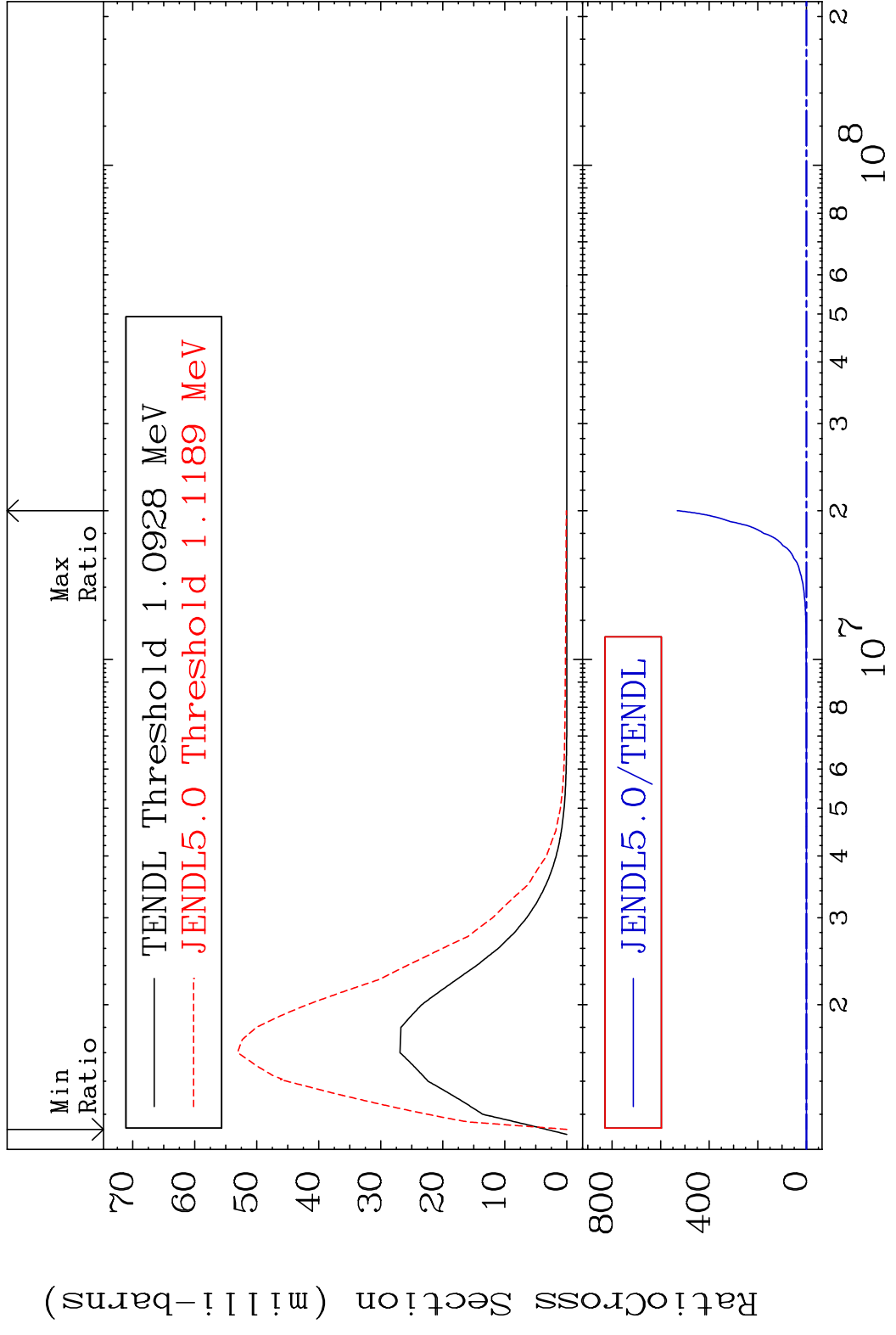


21 Incident Energy (eV) 60-Nd-145

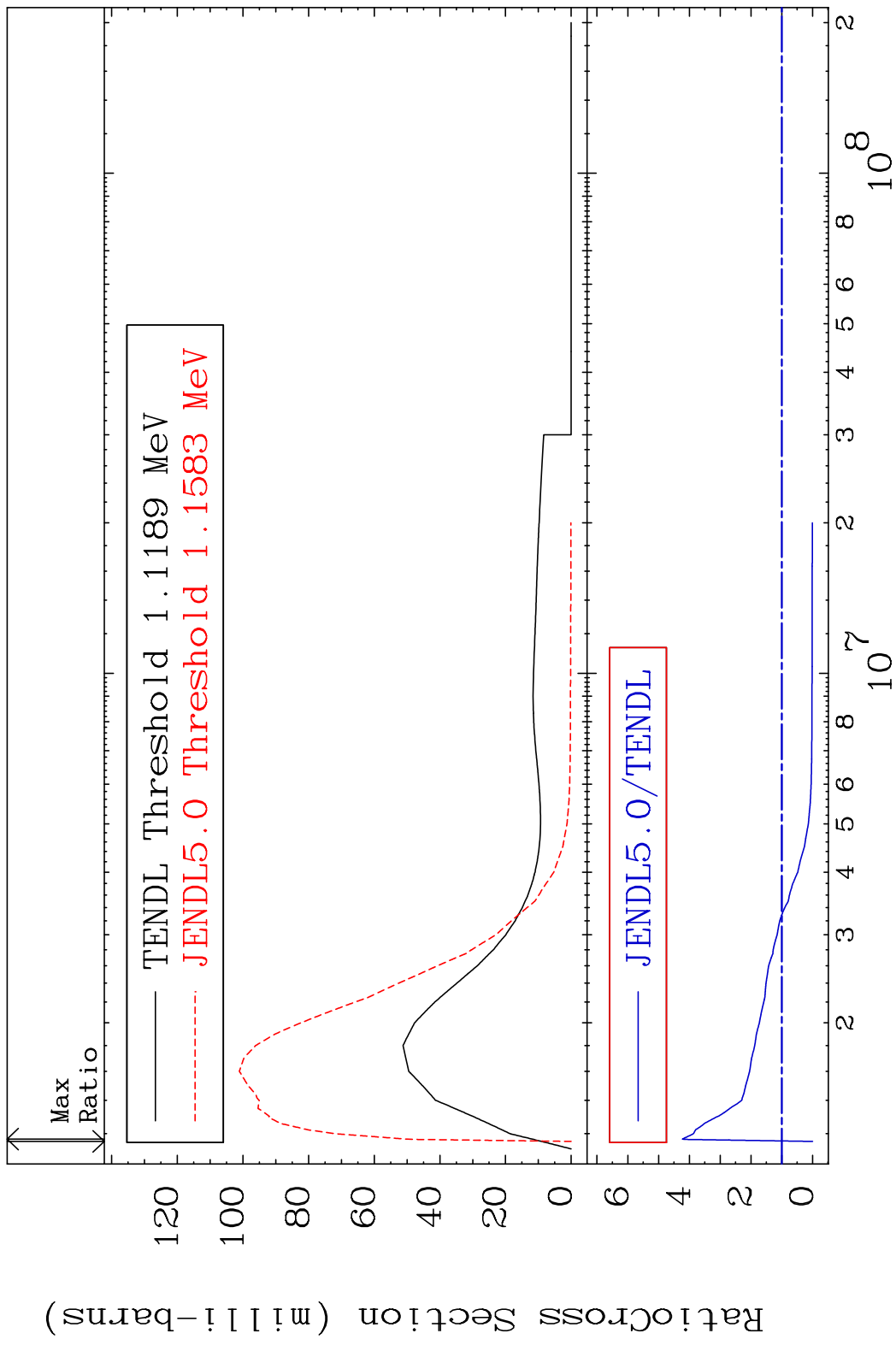
MAT 6034 MT= 61 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To -77.03%



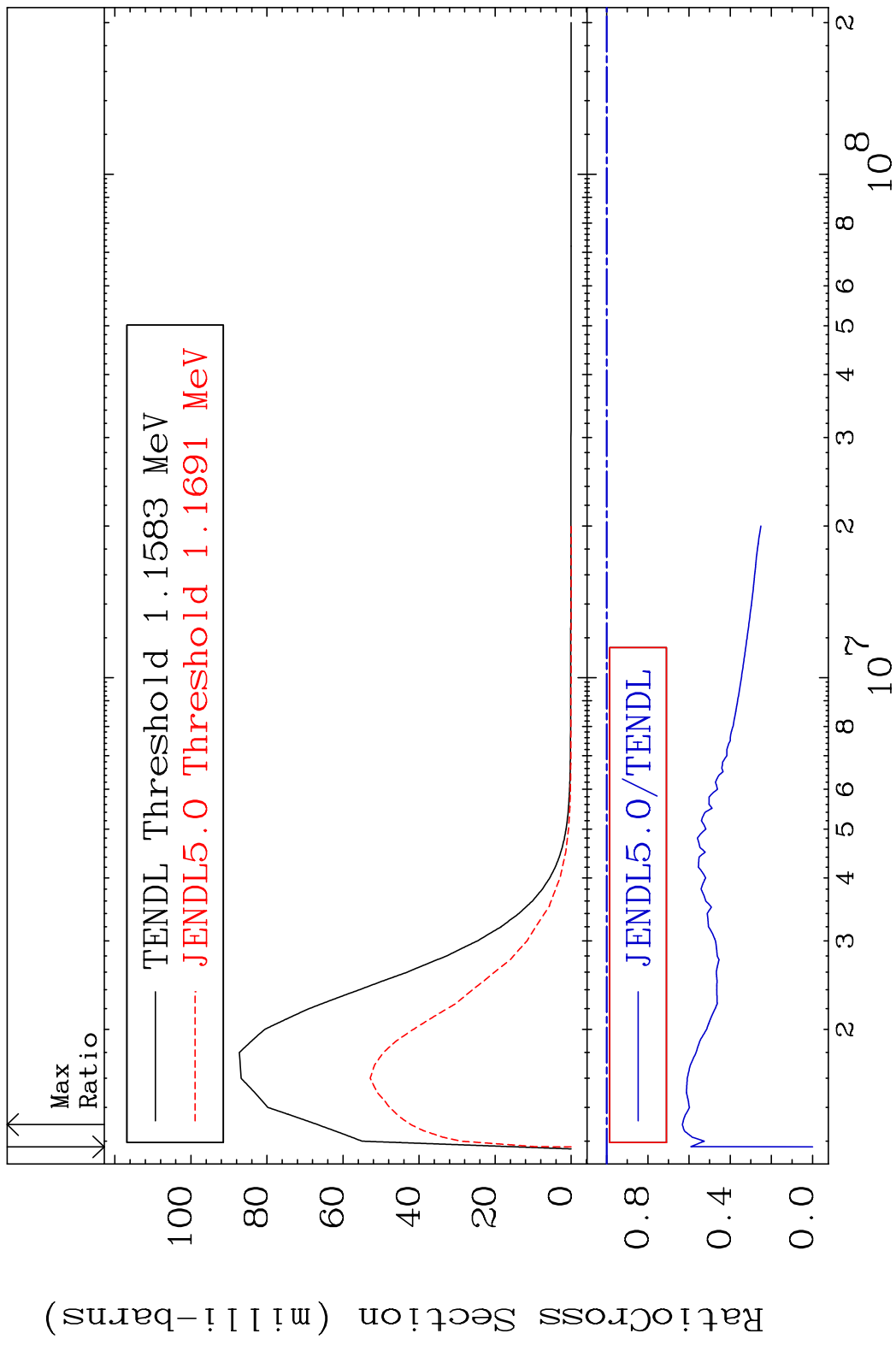
MAT 6034 MT= 62 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 9999. %



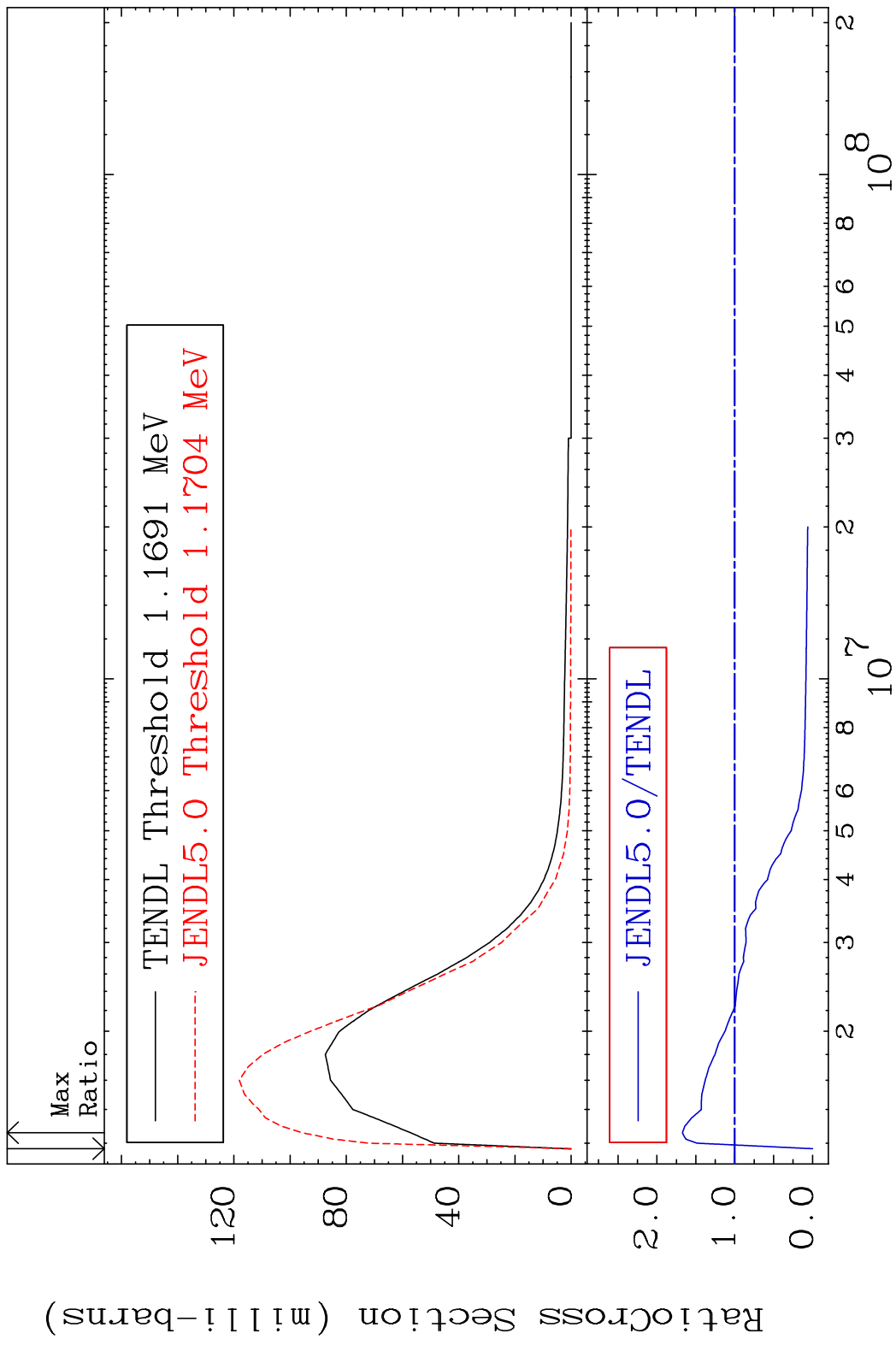
MAT 6034 MT= 63 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 322.8 %



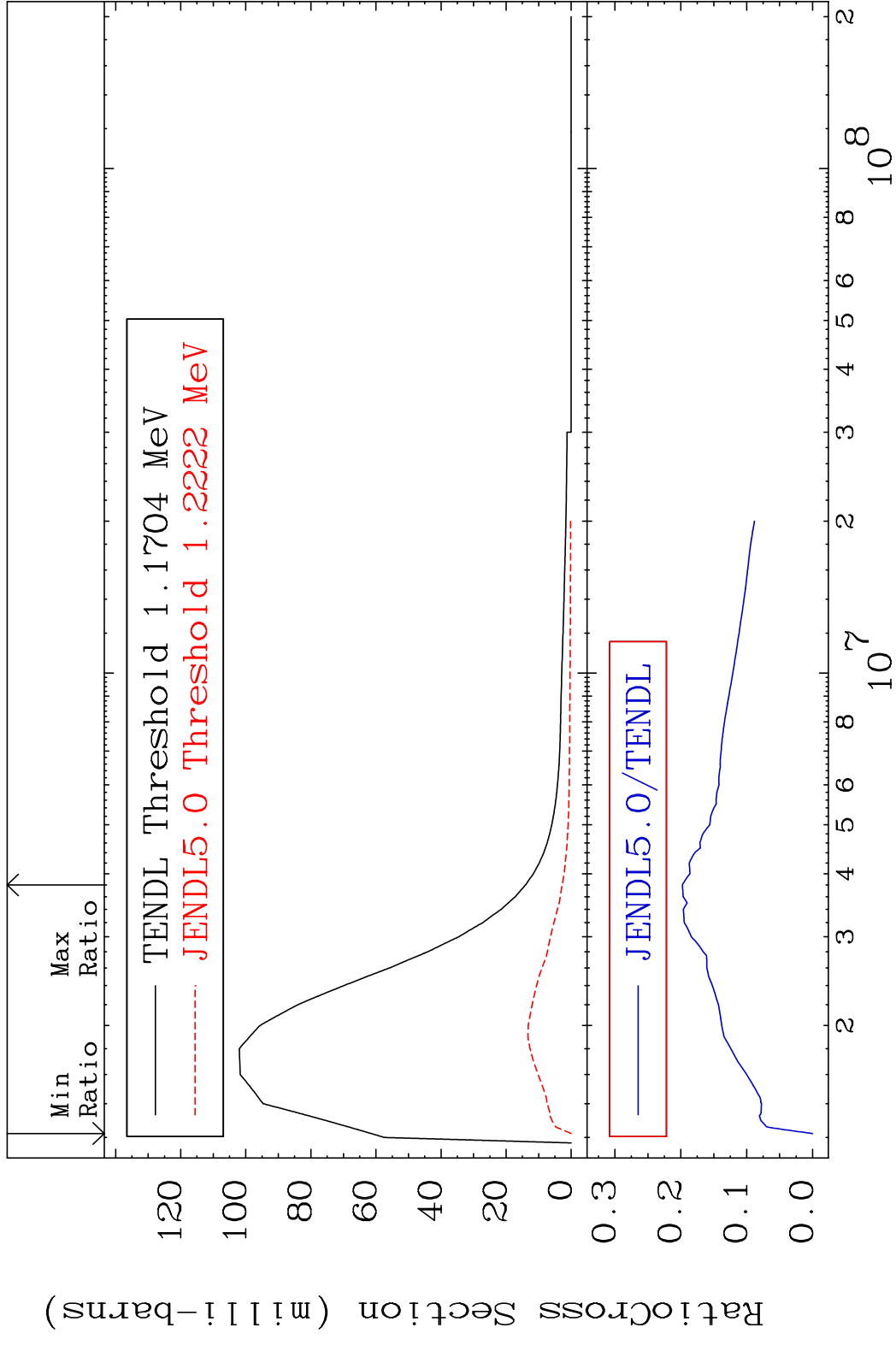
MAT 6034 MT= 64 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To -36.75%



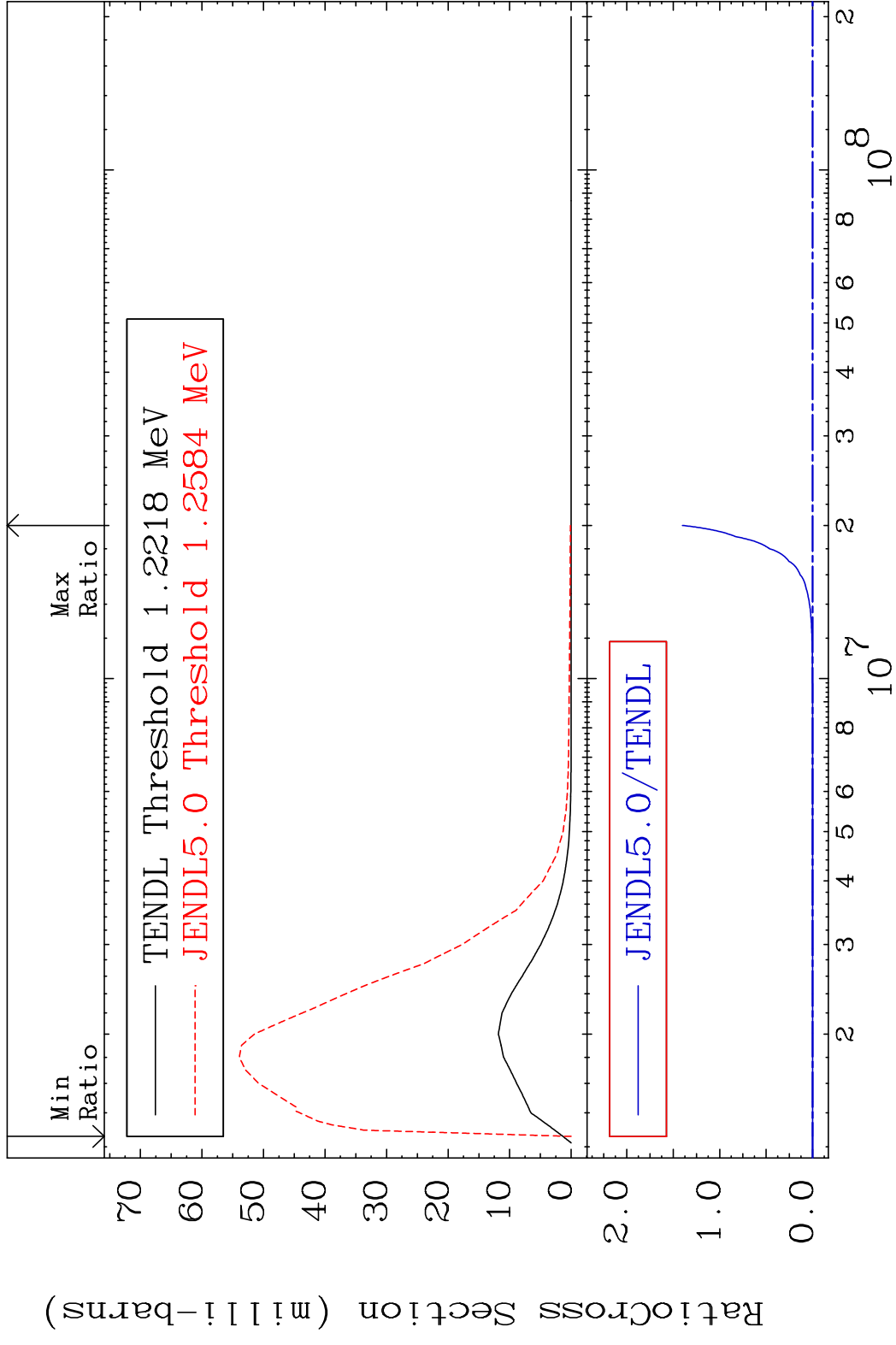
MAT 6034 MT= 65 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 67.29 %



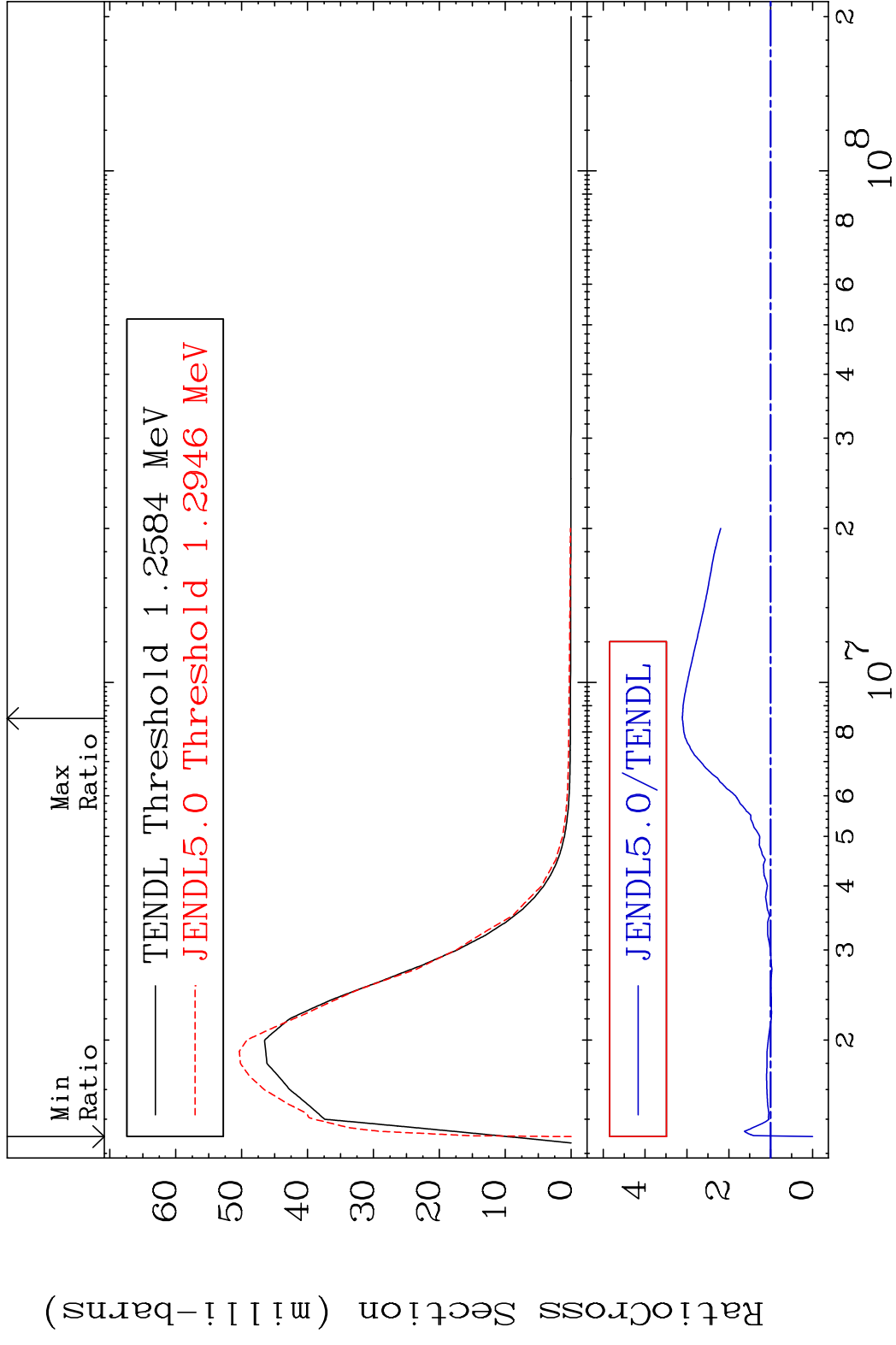
MAT 6034 MT= 66 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To -80.23%



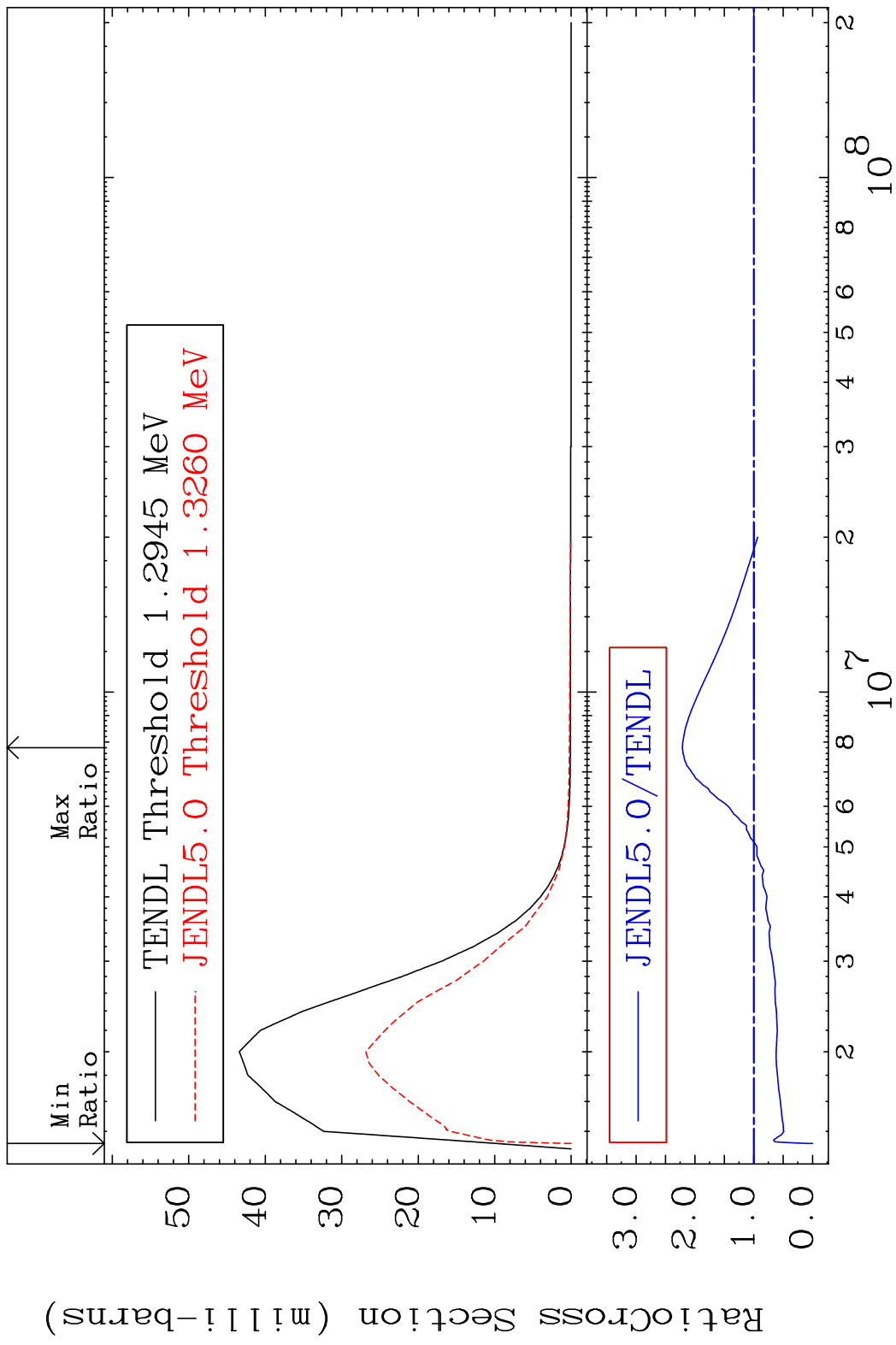
MAT 6034 MT= 67 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 9999. %



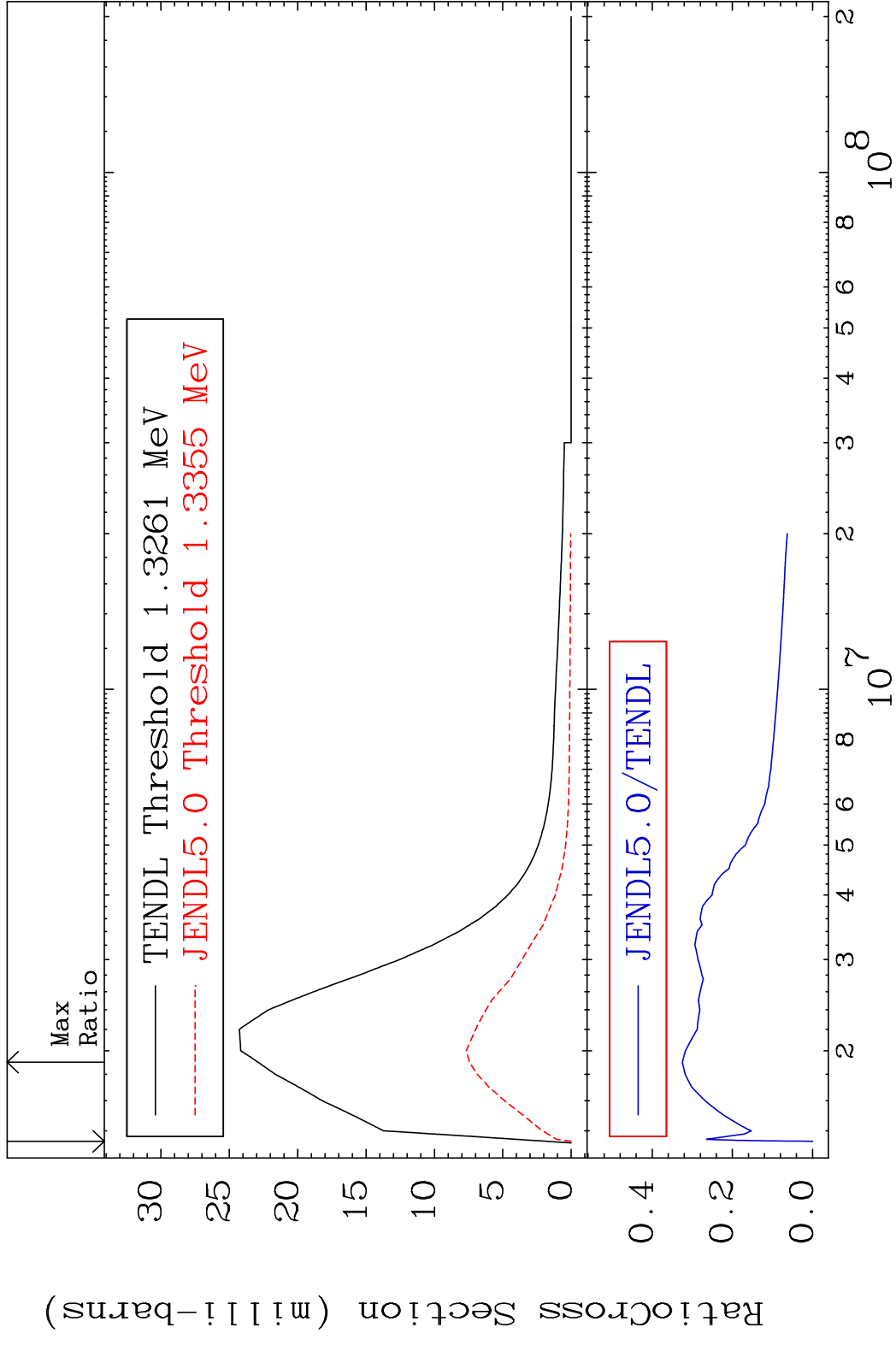
MAT 6034 MT= 68 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 211.0 %



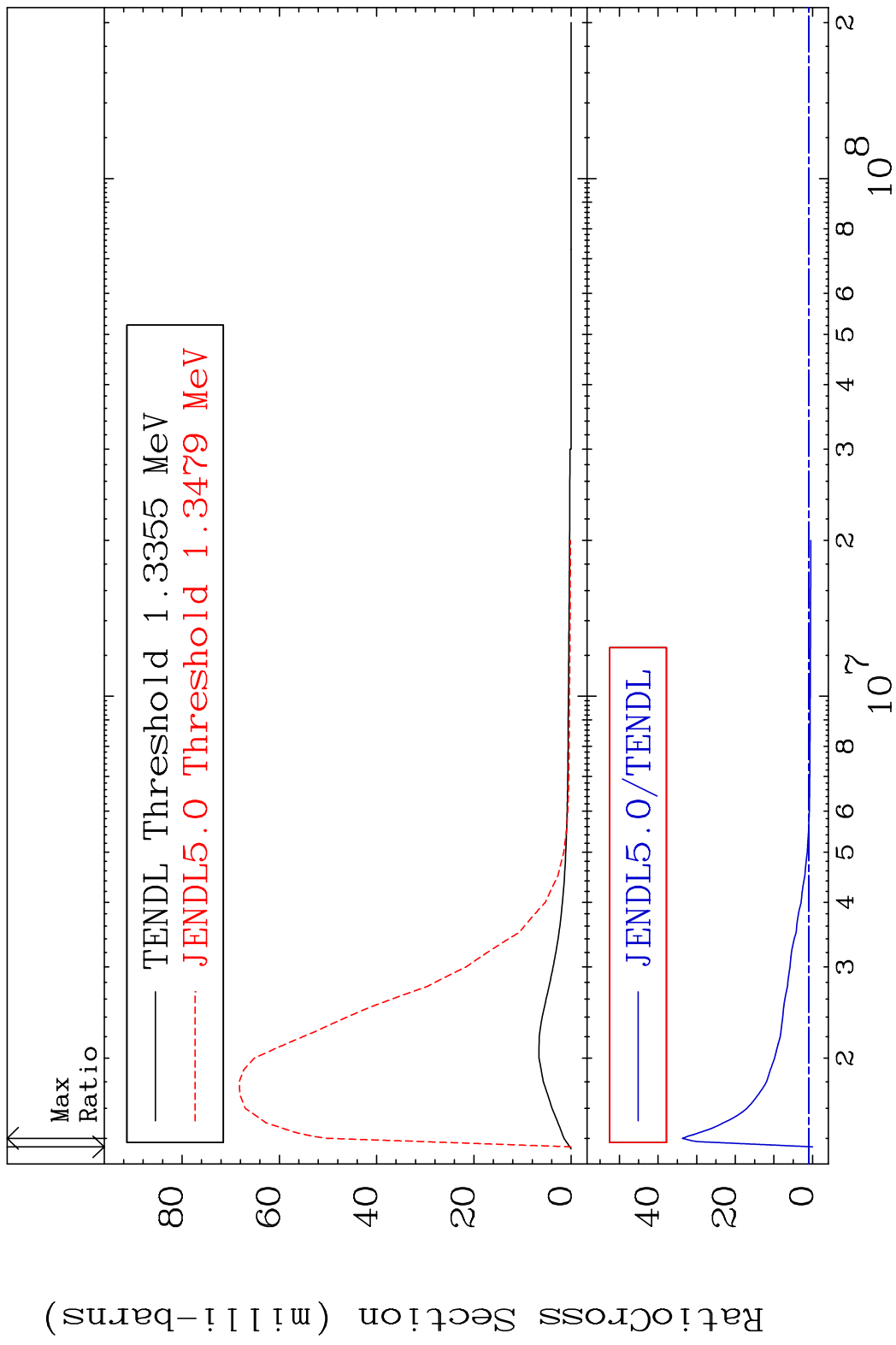
MAT 6034 MT= 69 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 121.3 %



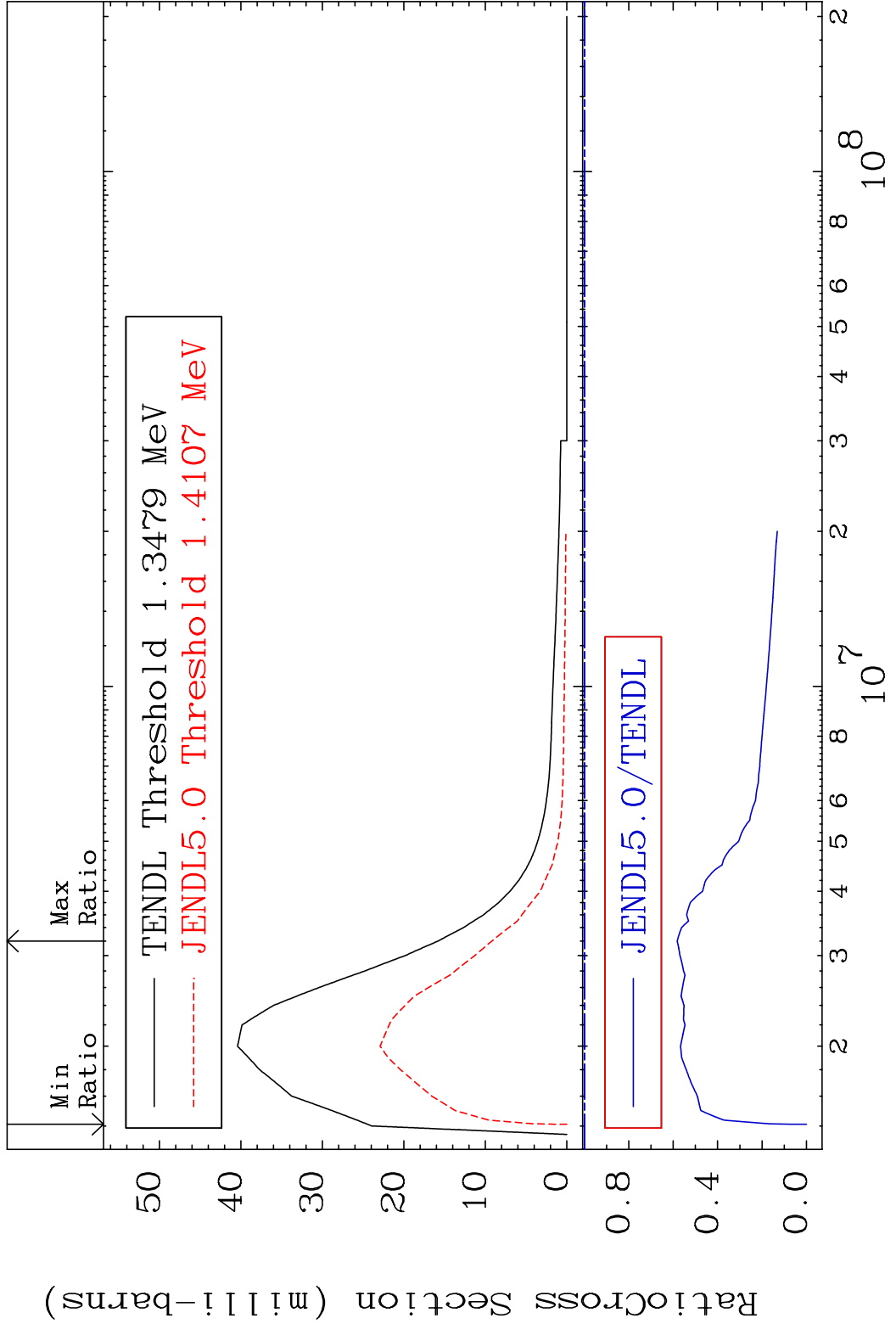
MAT 6034 MT= 70 (n,n') Level 60-Nd-145  
 Cross Section -100.0 To -67.52%



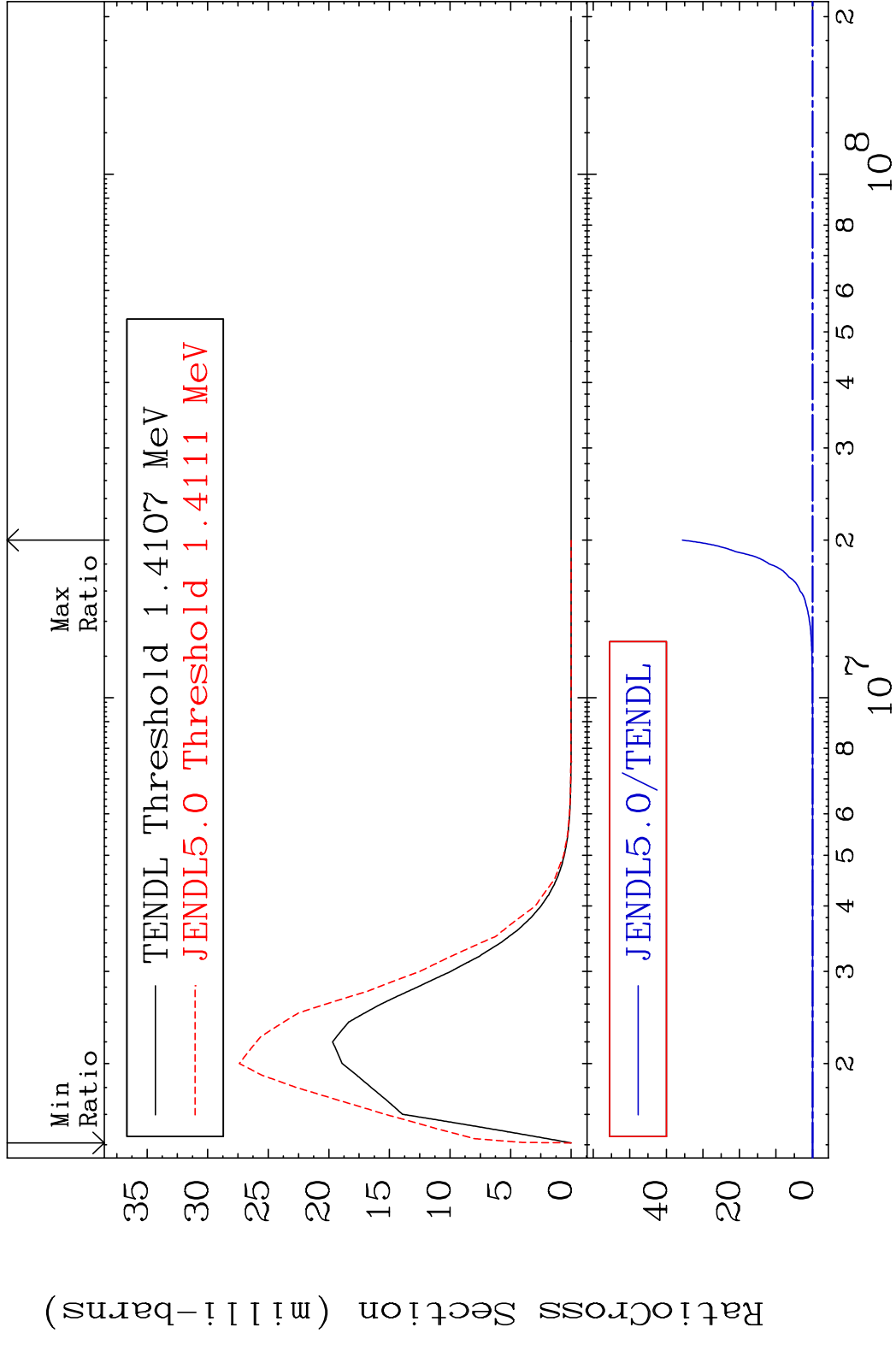
MAT 6034 MT= 71 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 3270. %



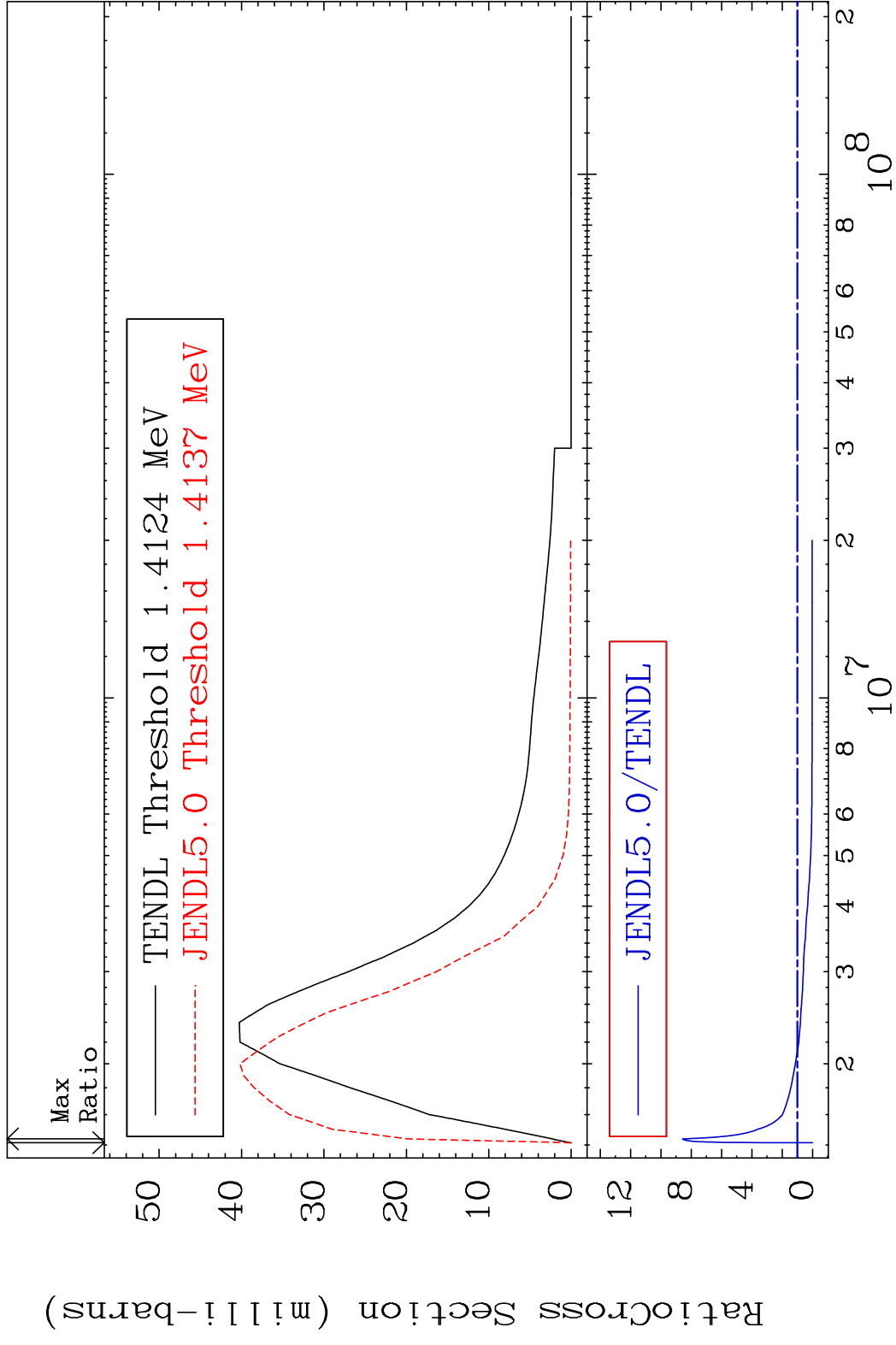
MAT 6034 MT= 72 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To -41.79%



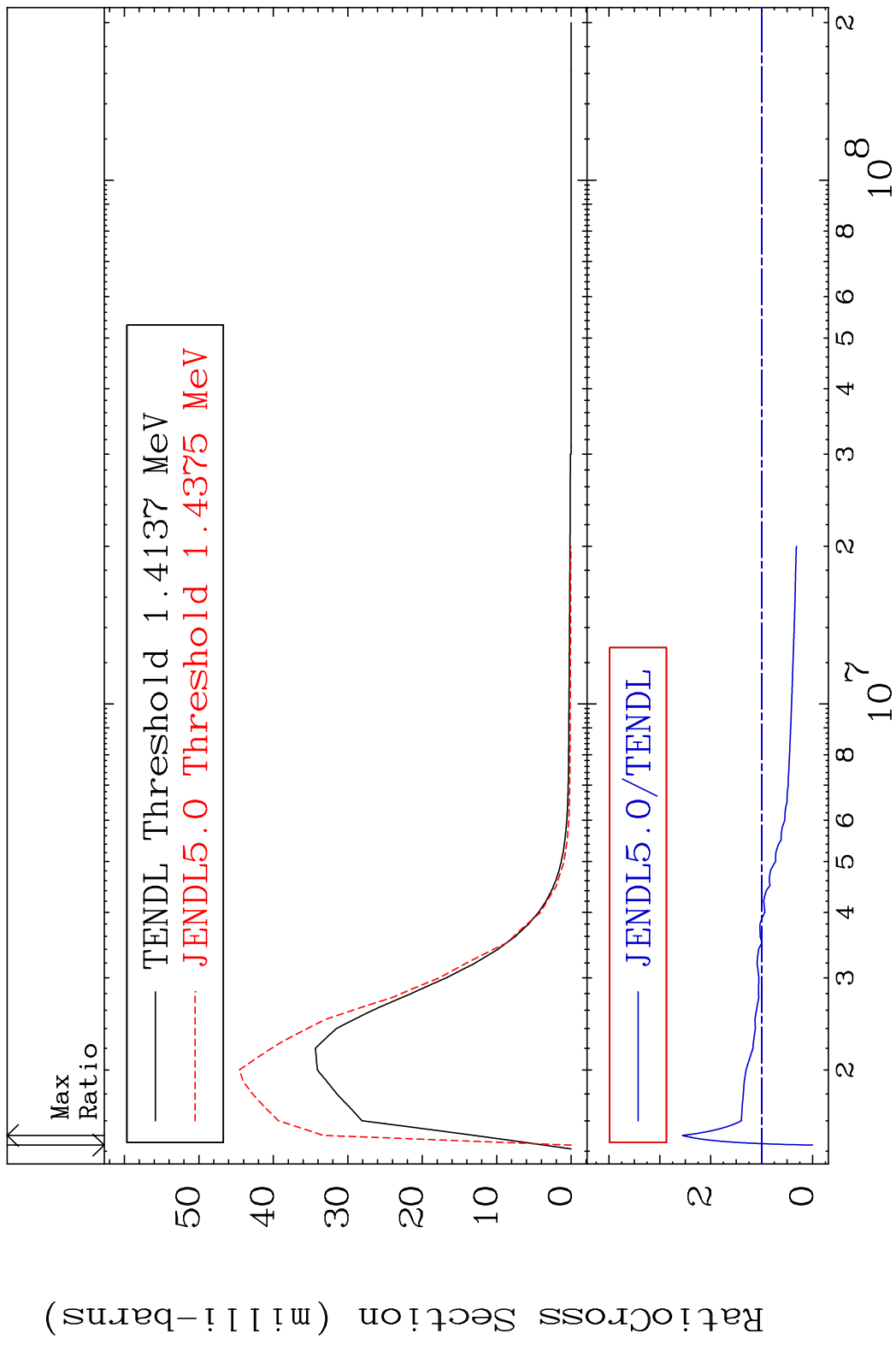
MAT 6034 MT= 73 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 9999. %



MAT 6034 MT= 74 (n,n') Level 60-Nd-145  
 Cross Section -100.0 To 758.5 %

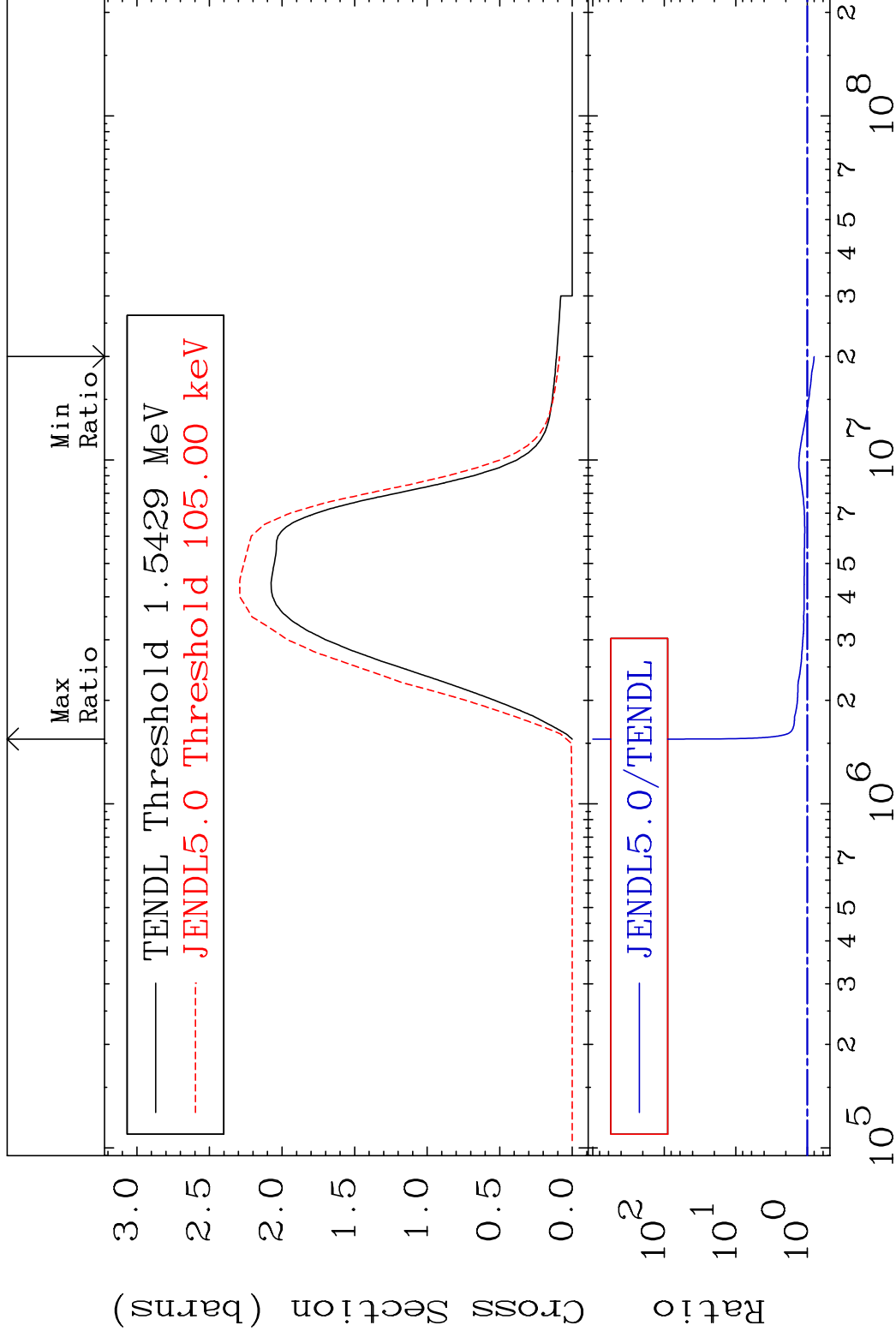


MAT 6034 MT= 75 (n, n') Level 60-Nd-145  
 Cross Section -100.0 To 155.8 %



MAT 6034

(n, n') Continuum 60-Nd-145  
Cross Section -19.71 To 5251. %



37

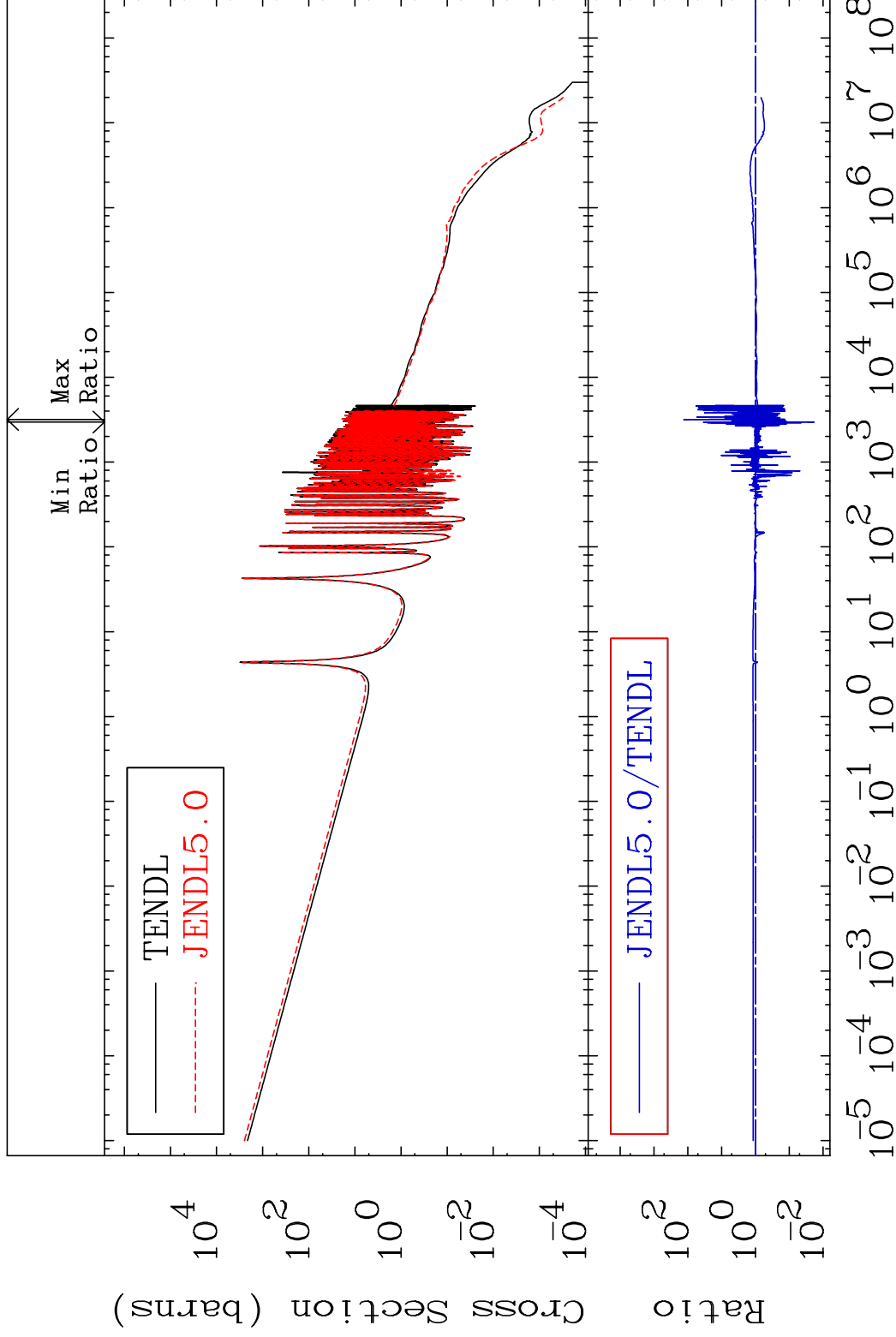
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,  $\gamma$ )  
Cross Section -98.16 To 9999. %

60-Nd-145



38

Incident Energy (eV)

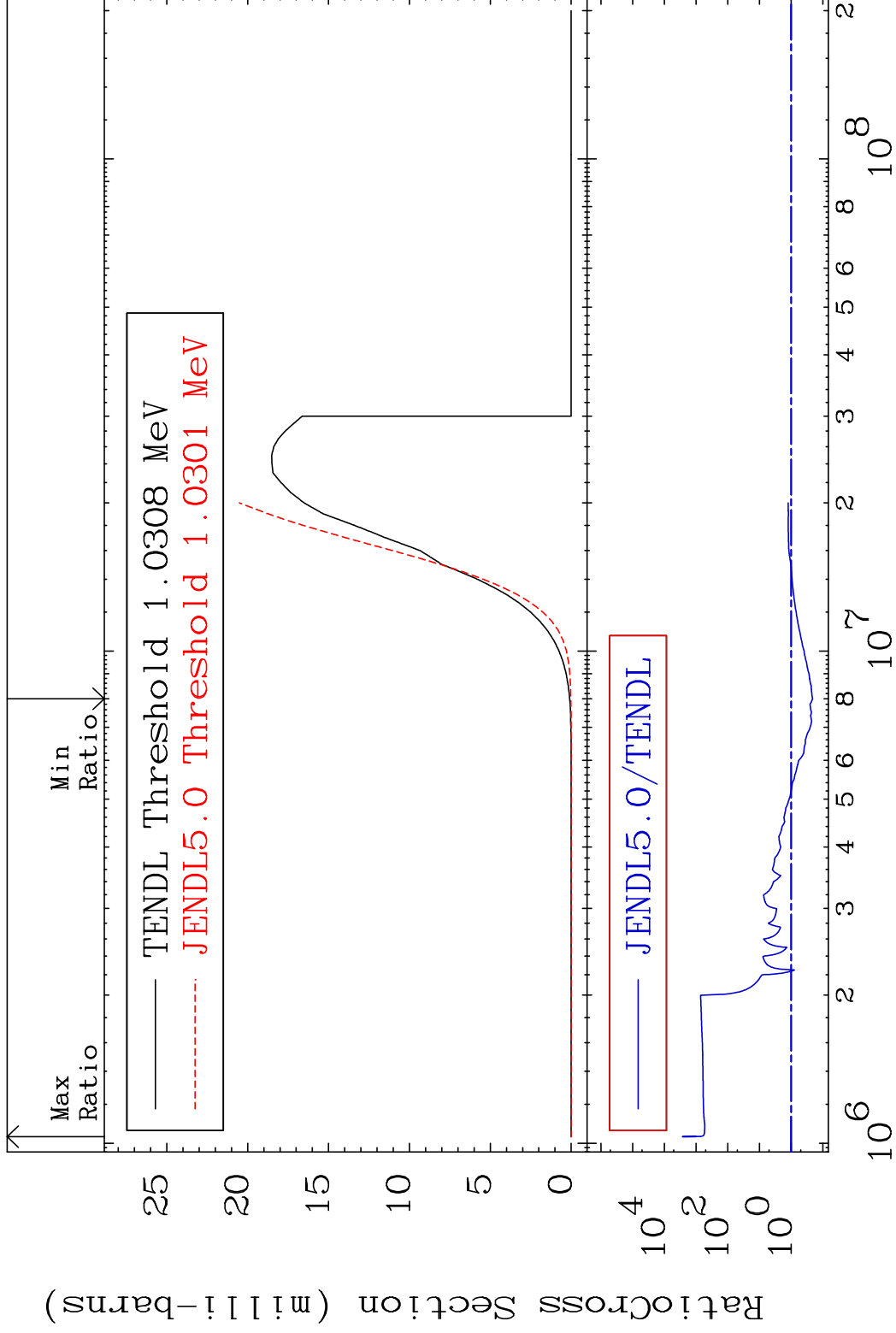
60-Nd-145

MAT 6034

(n,p)

60-Nd-145

Cross Section -78.89 To 9999. %

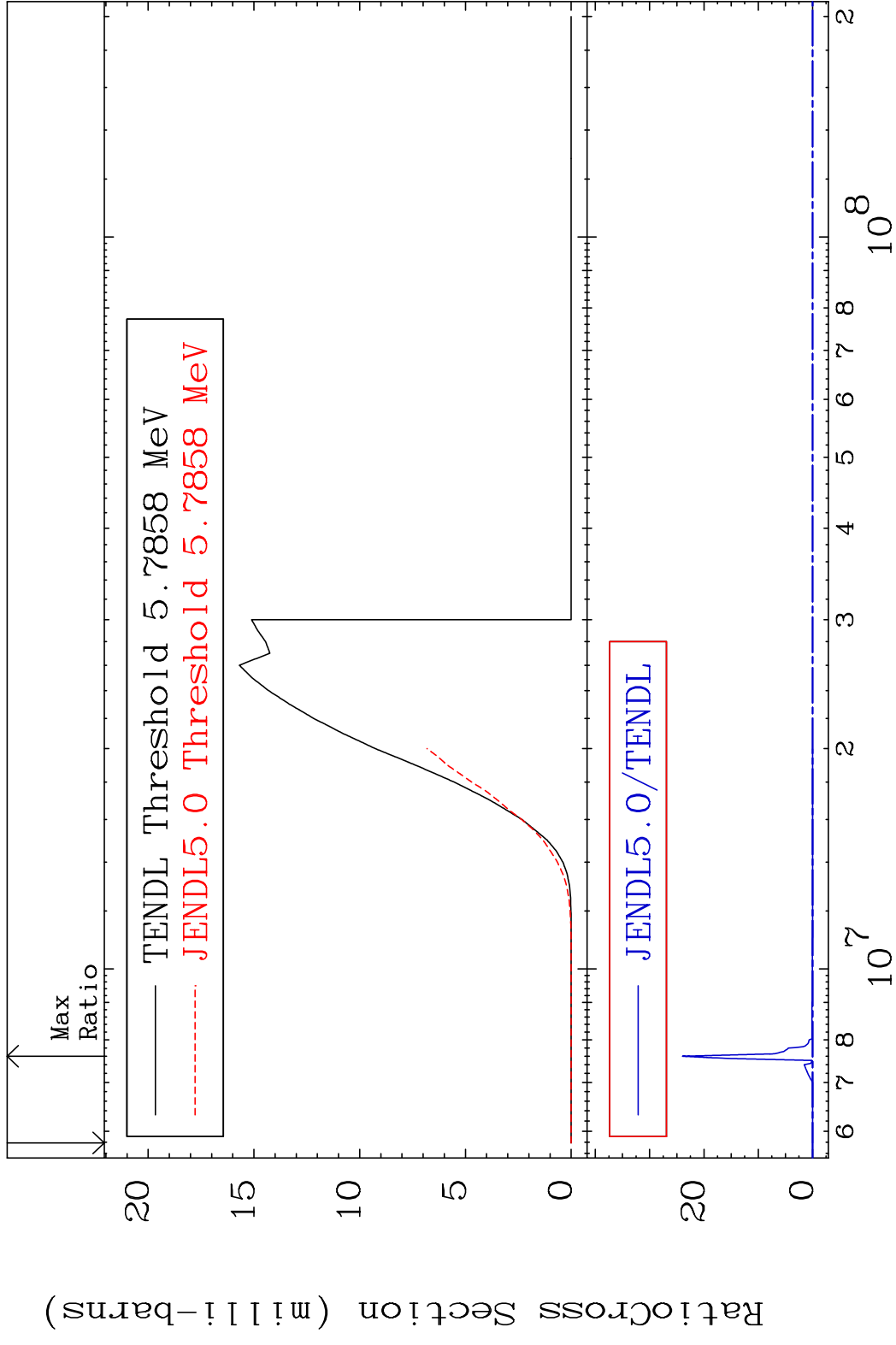


39

Incident Energy (eV)

60-Nd-145

MAT 6034 (n,d) 60-Nd-145  
Cross Section -100.0 To 9999. %



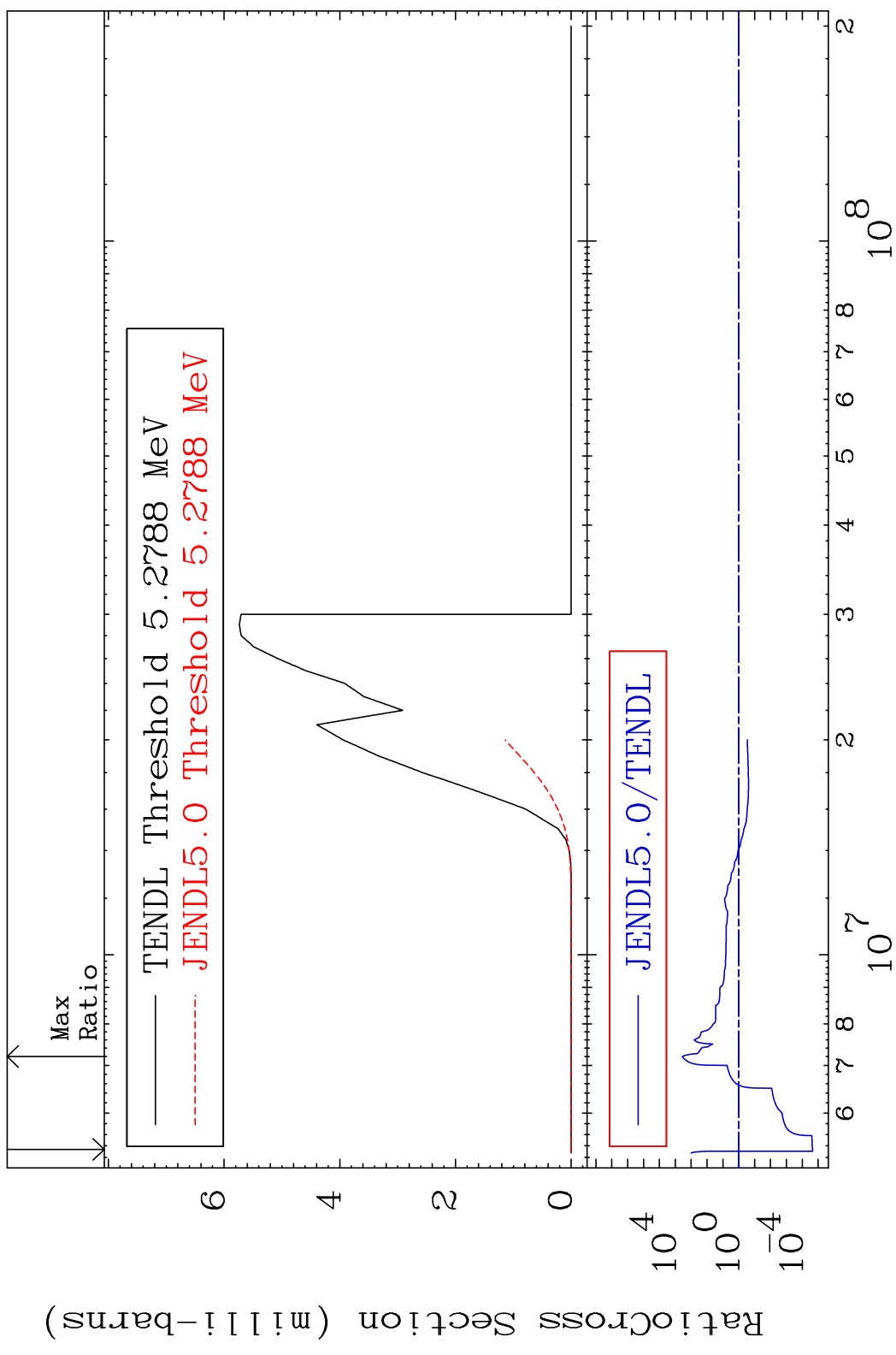
40 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 20 0

MAT 6034

(n, t)

60-Nd-145

Cross Section -100.0 To 9999. %

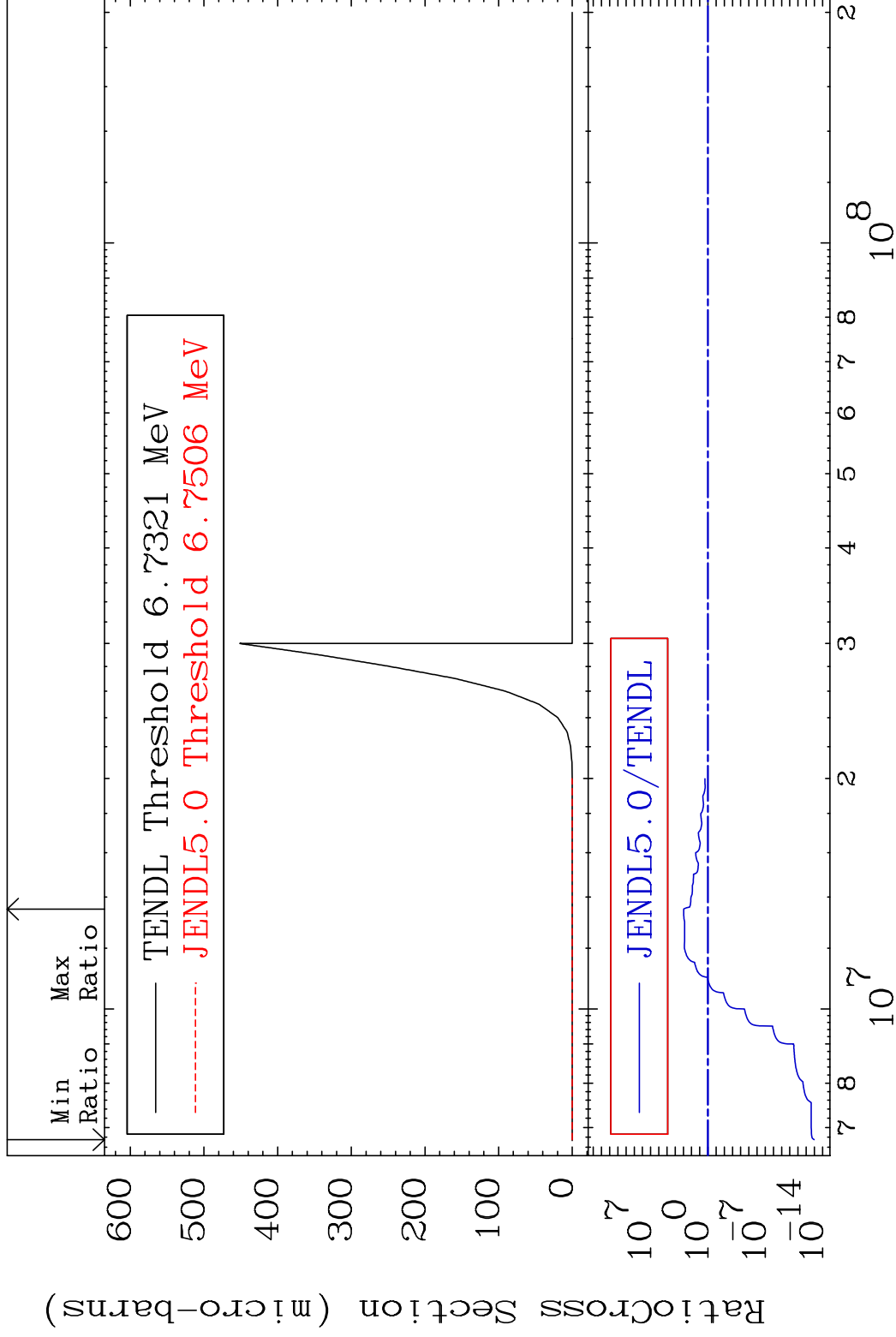


MAT 6034

(n, He-3)

60-Nd-145

Cross Section -100.0 To 9999. %



42

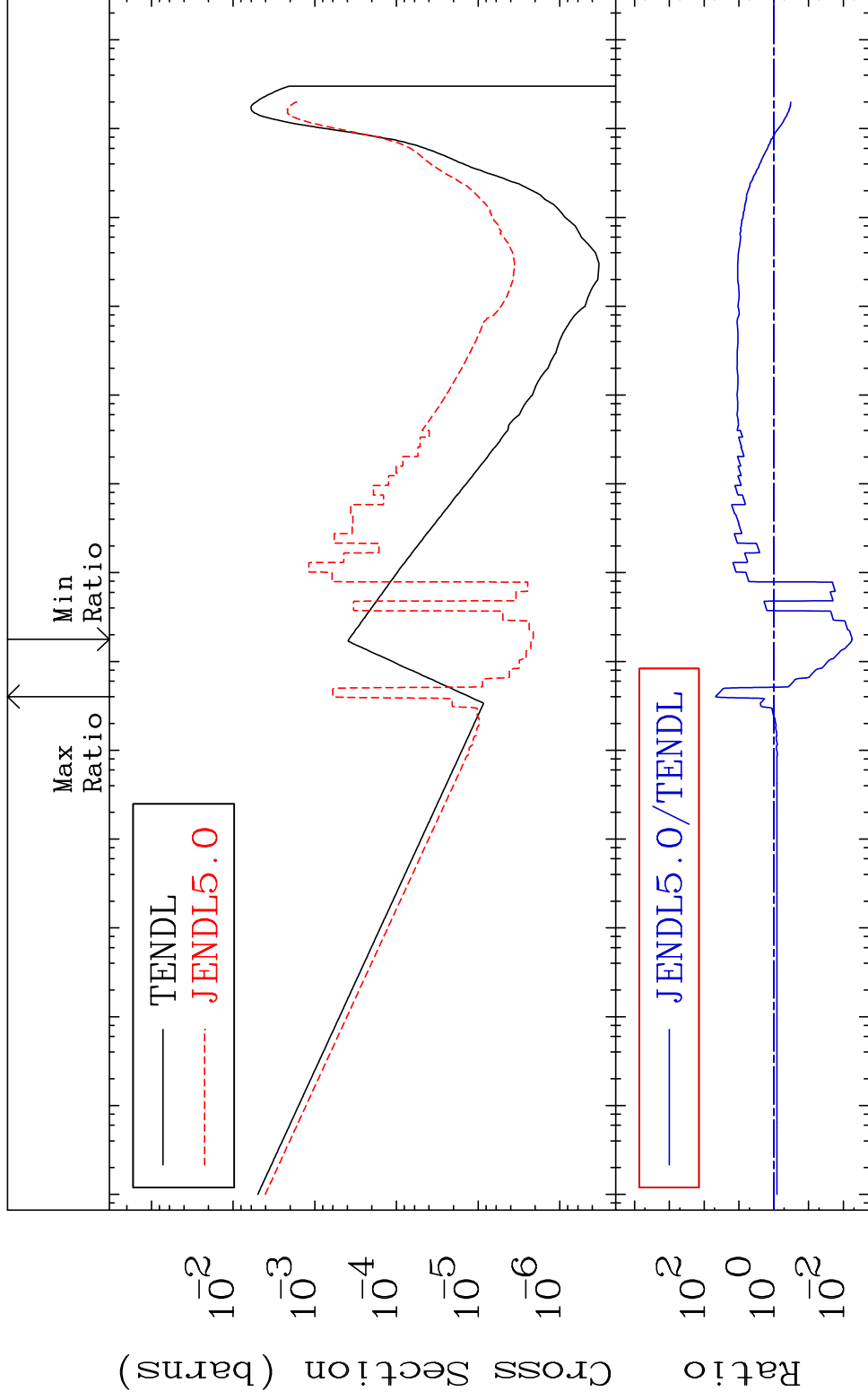
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,  $\alpha$ )  
Cross Section -99.44 To 4560. %

60-Nd-145



43

Incident Energy (eV)

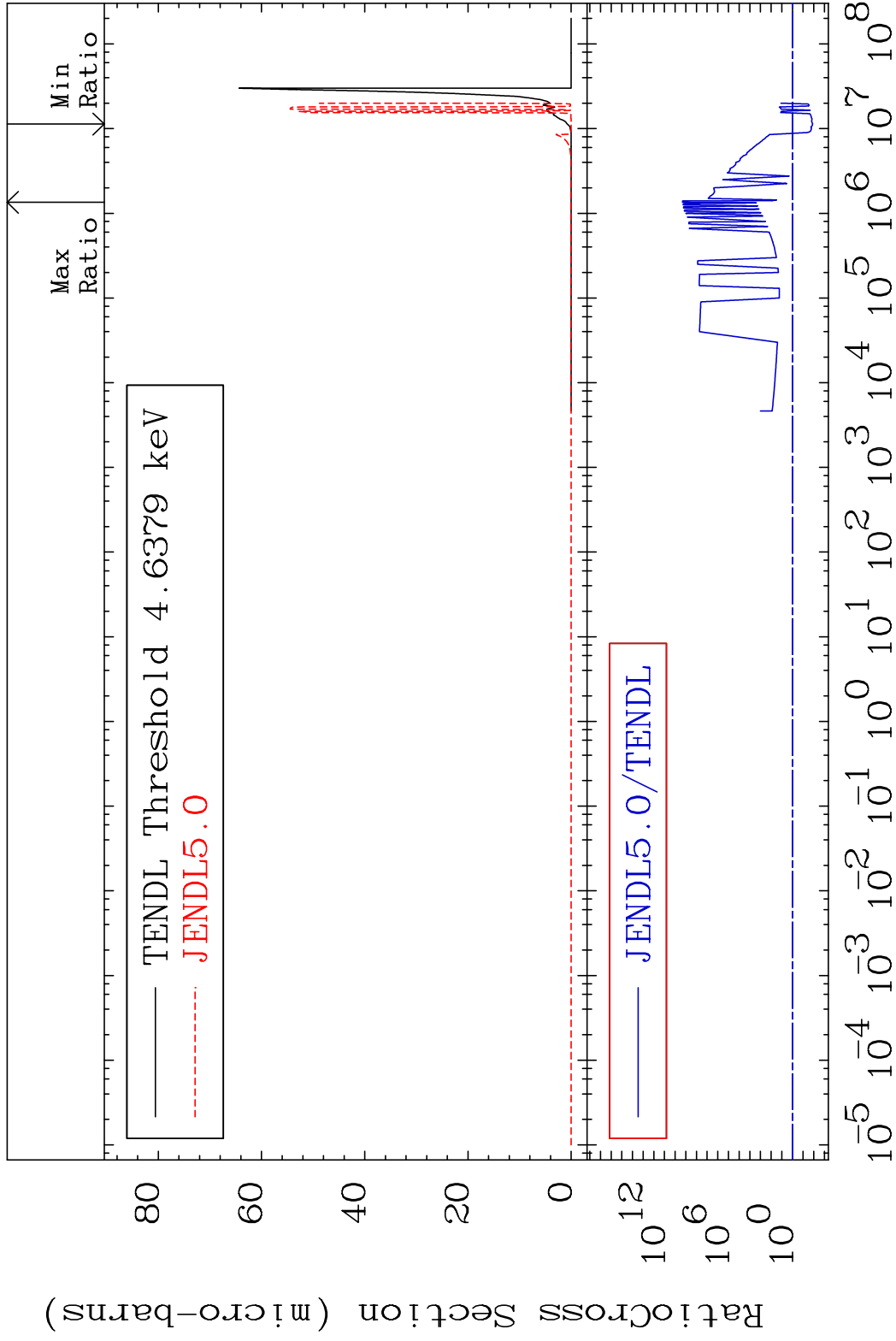
60-Nd-145

MAT 6034

(n,2α)

60-Nd-145

Cross Section -98.70 To 9999. %



44

Incident Energy (eV)

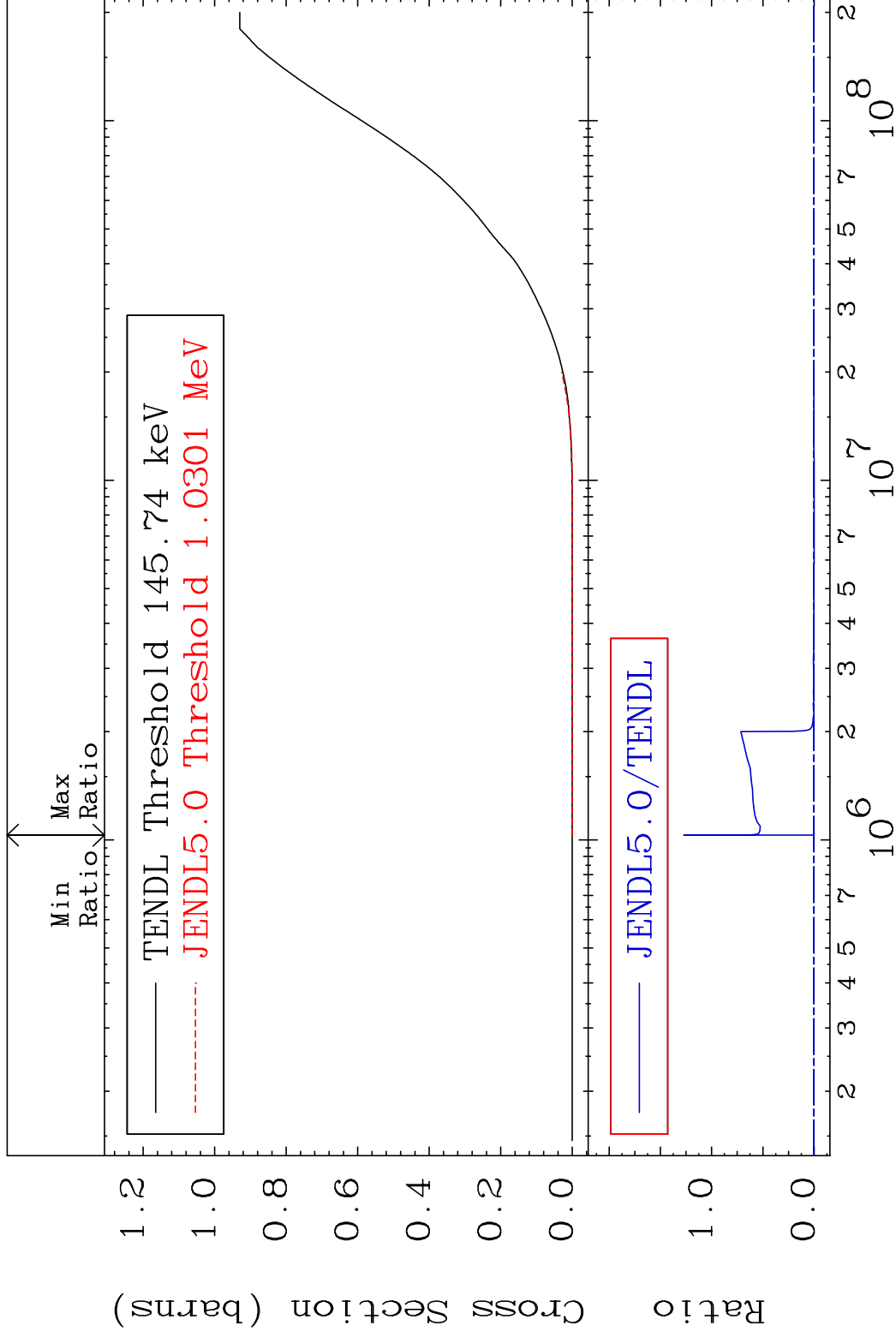
60-Nd-145

MAT 6034

Hydrogen Production

60-Nd-145

Cross Section -100.0 To 9999. %



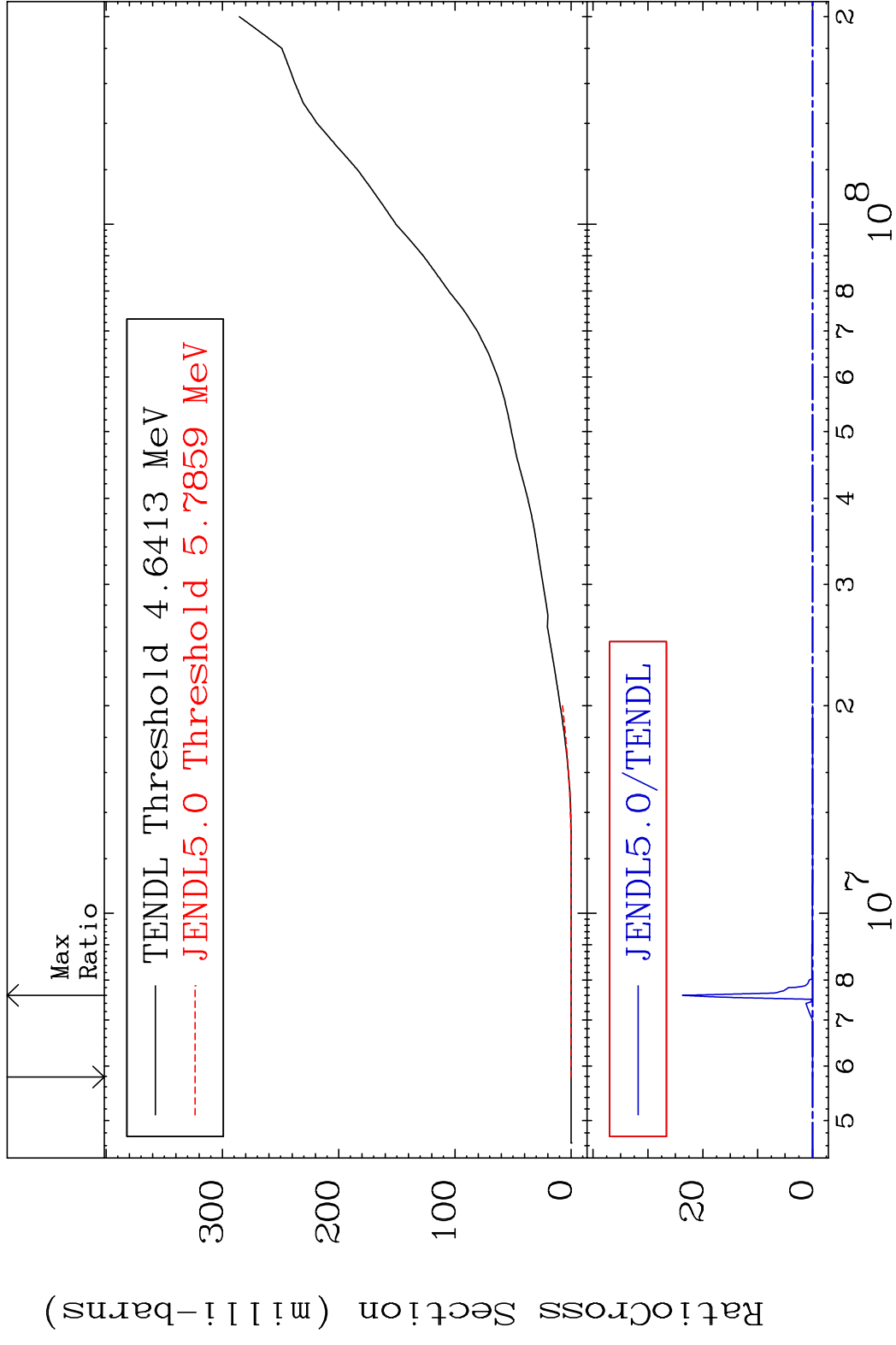
45

Incident Energy (eV)

60-Nd-145

MAT 6034

Deuterium Production 60-Nd-145  
Cross Section -100.0 To 9999. %

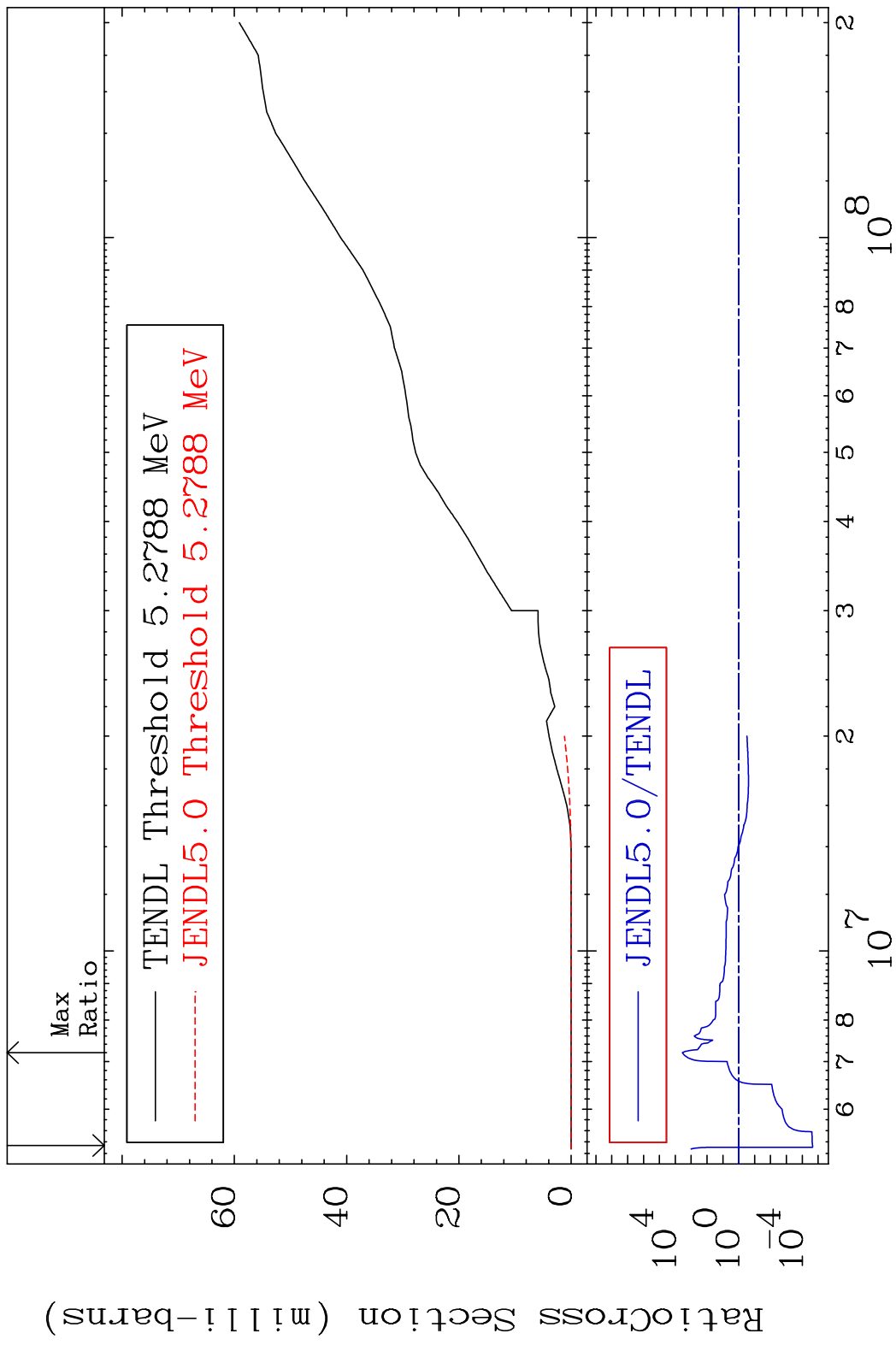


46

Incident Energy (eV)

60-Nd-145

MAT 6034 Tritium Production 60-Nd-145  
 Cross Section -100.0 To 9999. %

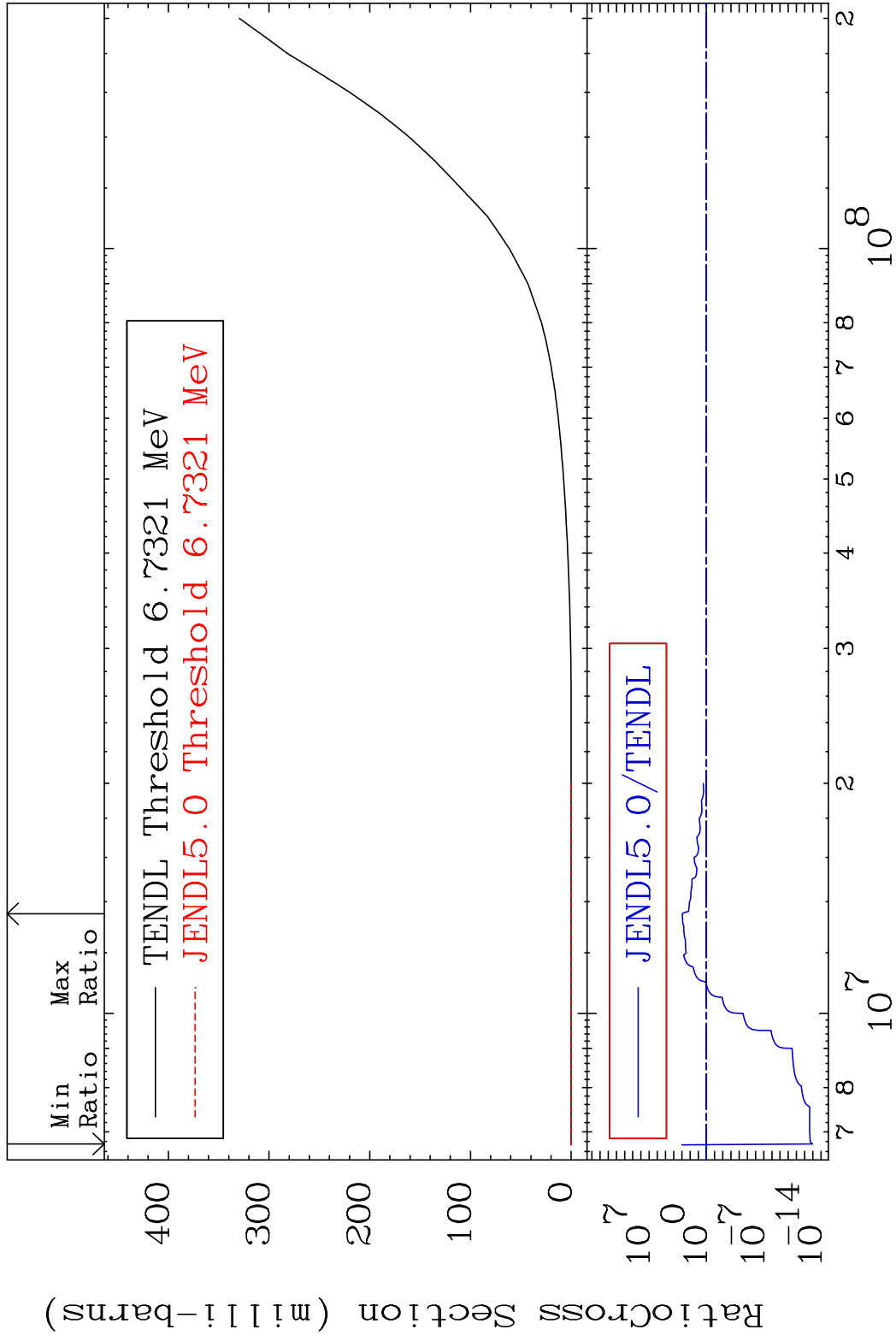


MAT 6034

He-3 Production

60-Nd-145

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

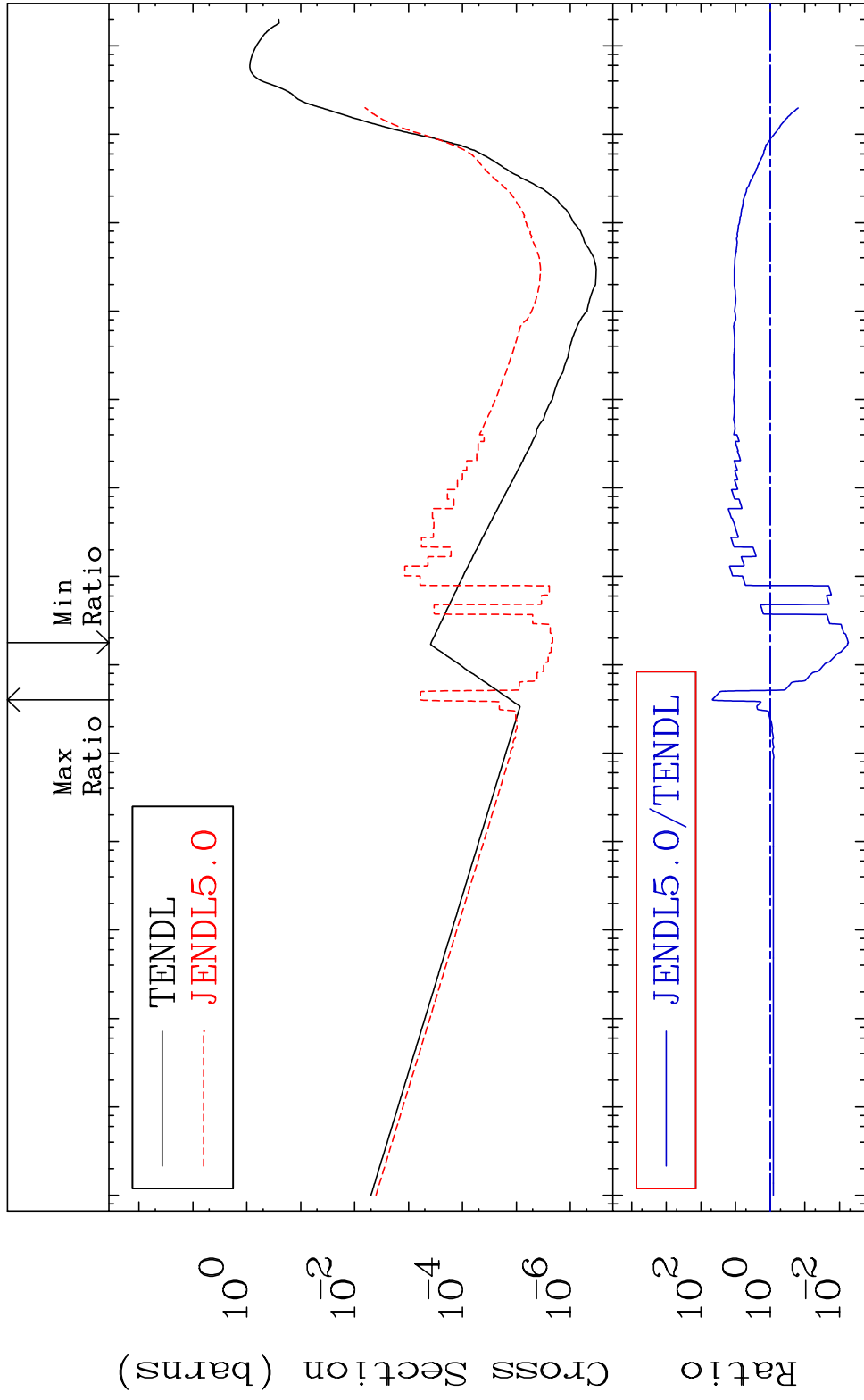
60-Nd-145

MAT 6034

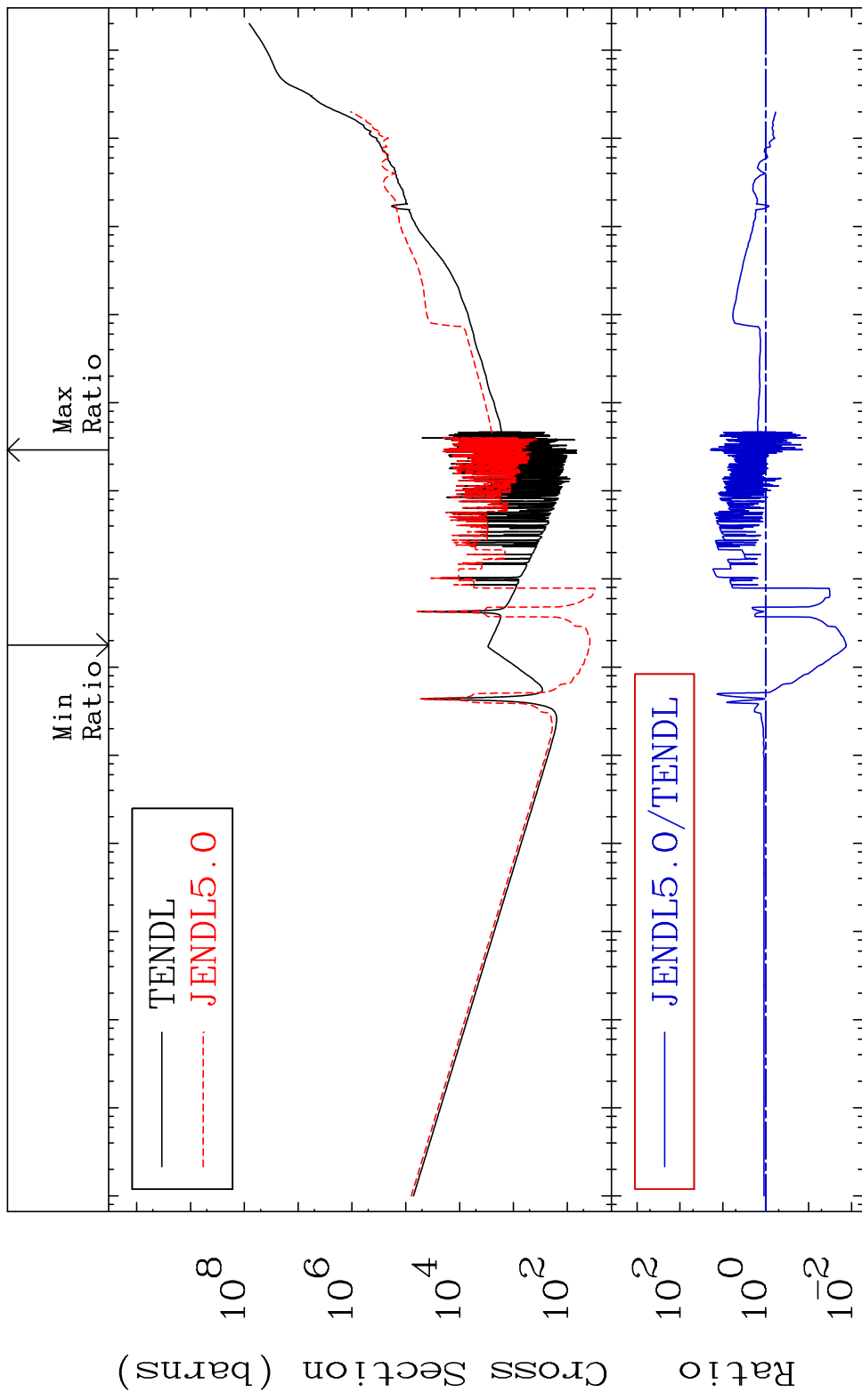
He-4 Production

60-Nd-145

Cross Section -99.44 To 4560. %



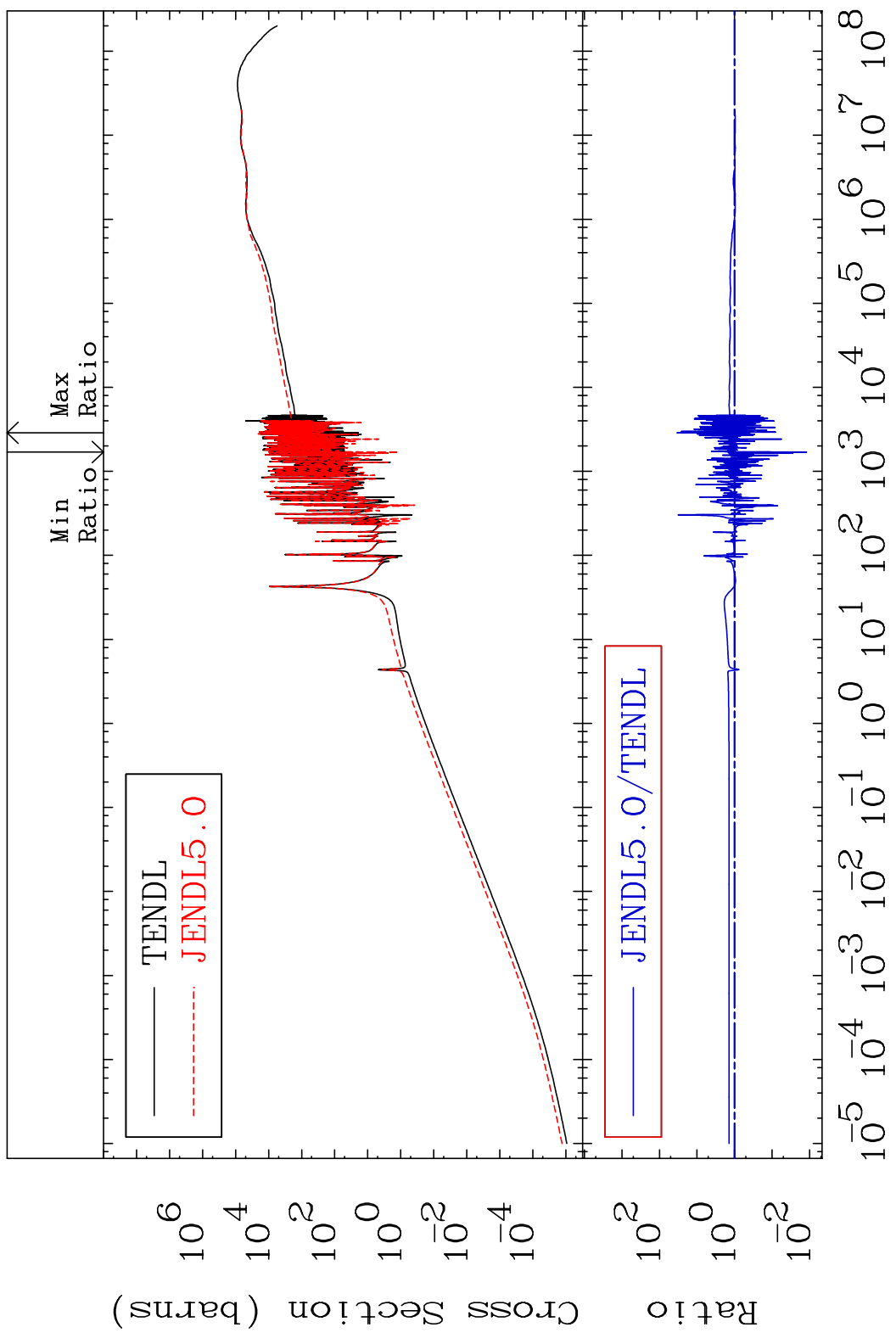
MAT 6034 Kerma total (eV-barns) 60-Nd-145  
 Cross Section -98.68 To 1818. %



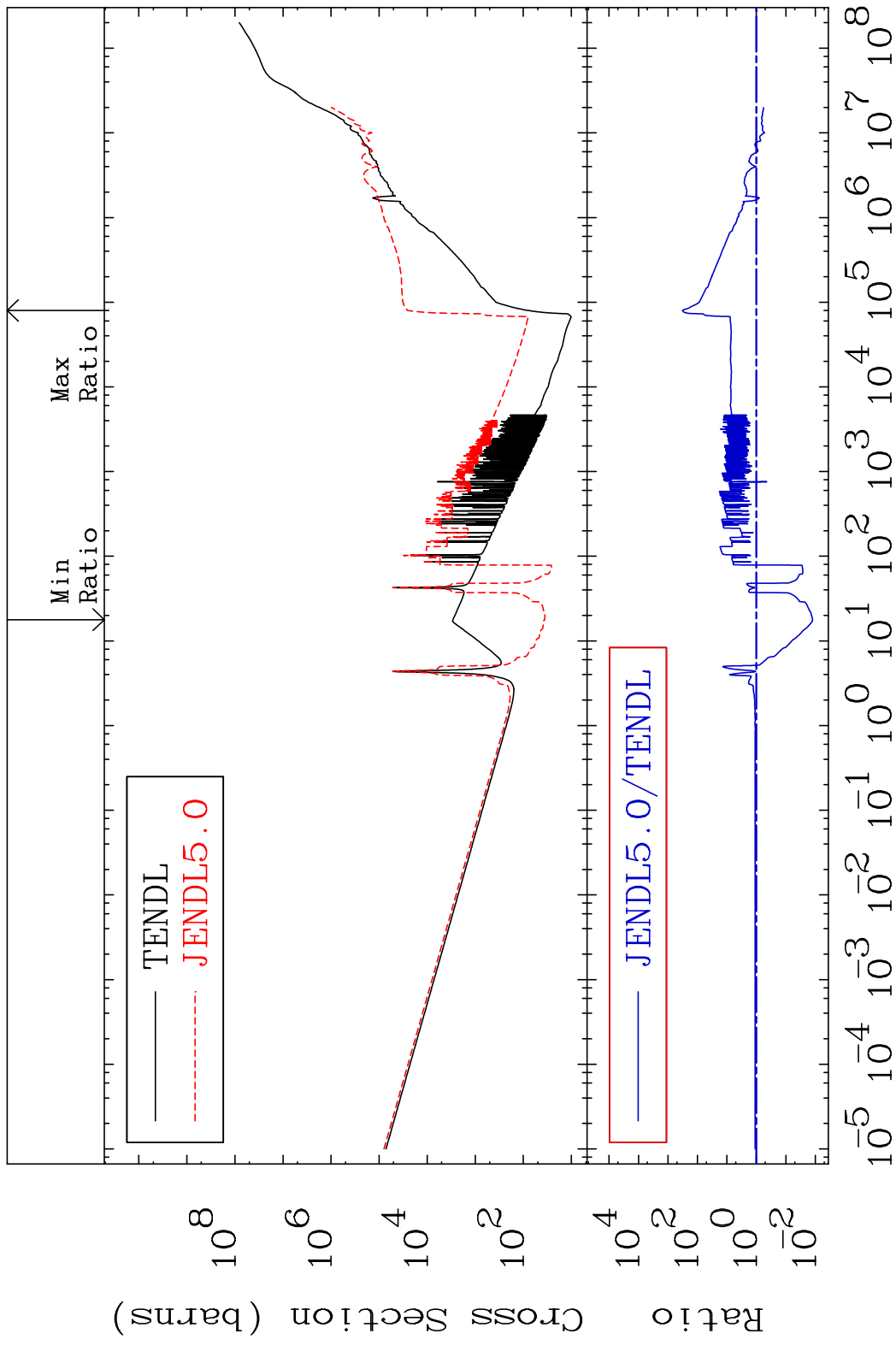
50 Incident Energy (eV) 60-Nd-145

MAT 6034

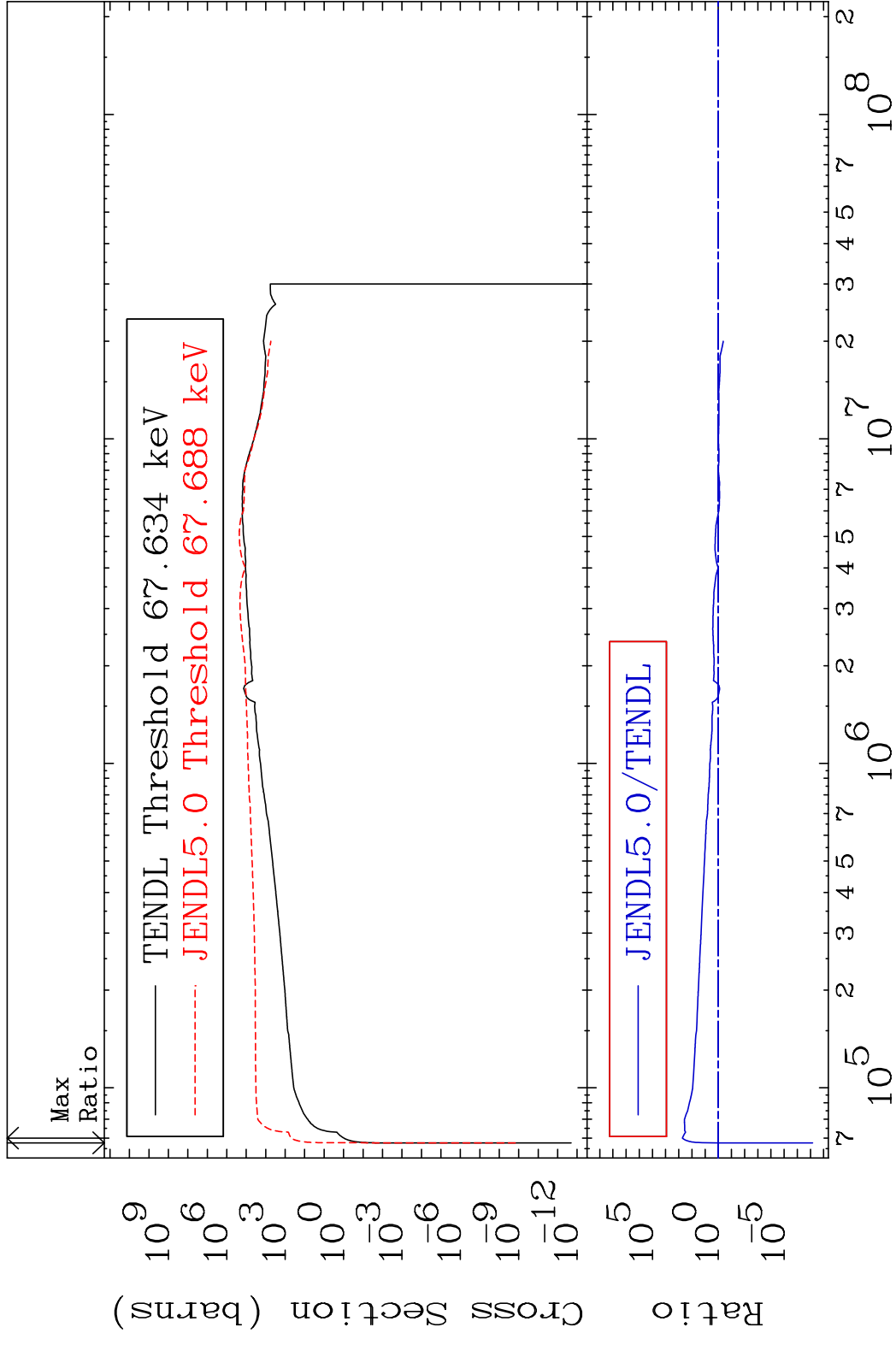
Kerma elastic Cross Section -98.78 To 3272. %  
60-Nd-145



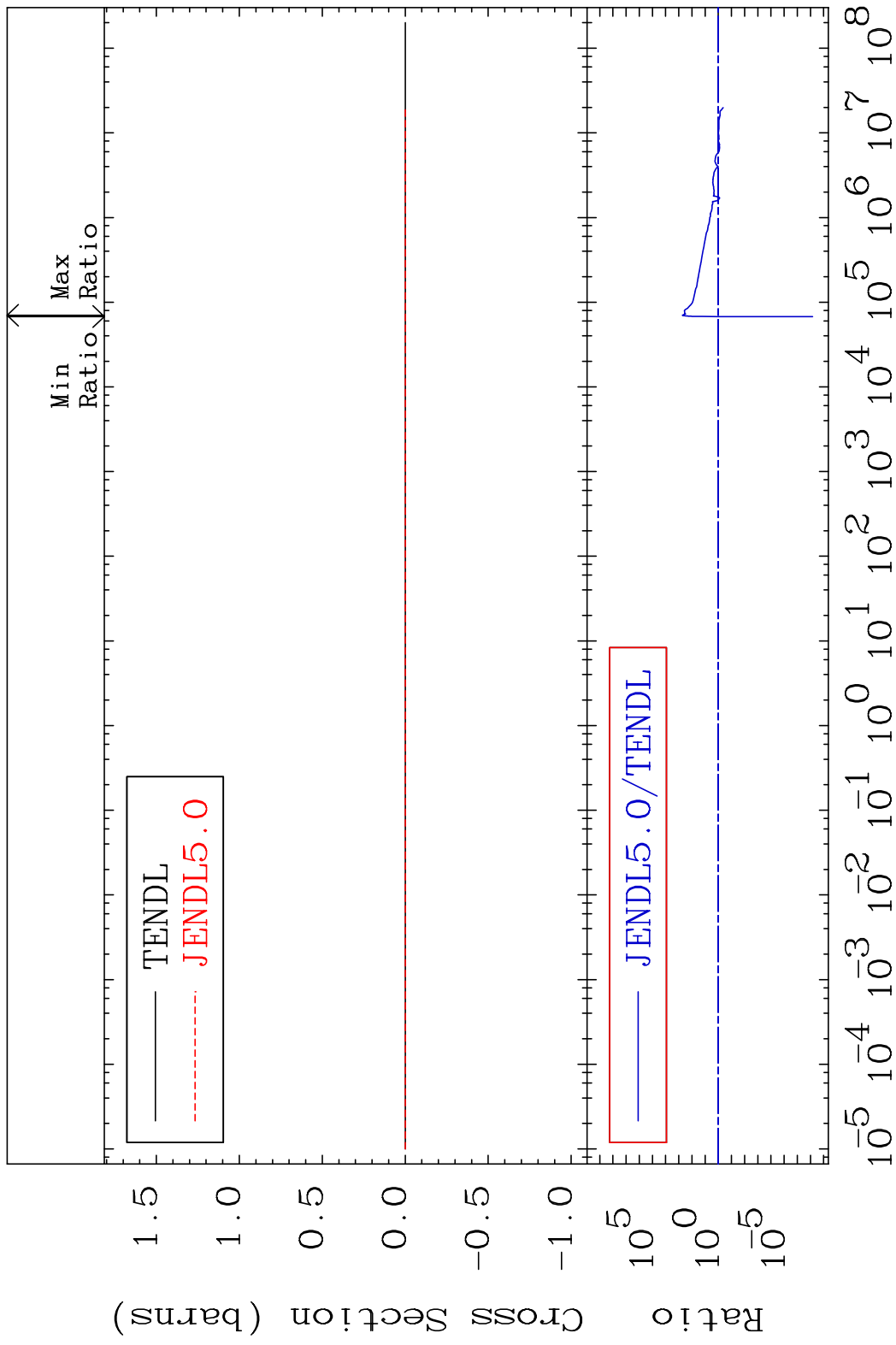
MAT 6034 Kerma non-elastic (all but mt2) 60-Nd-145  
 Cross Section -98.76 To 9999. %



MAT 6034 Kerma inelastic (mt51-91) 60-Nd-145  
 Cross Section -100.0 To 9999. %



MAT 6034 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-145  
 Cross Section -100.0 To 9999. %

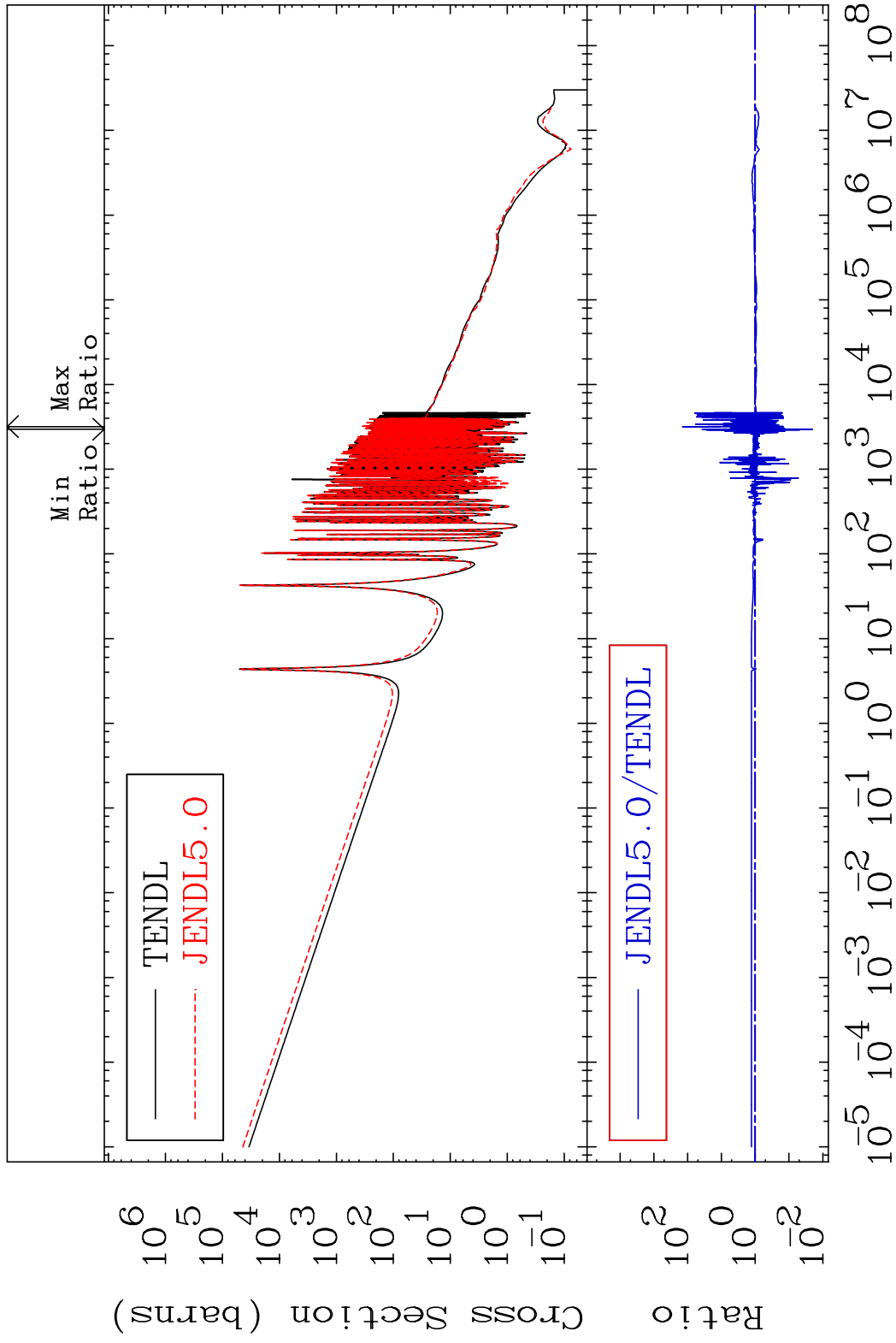


MAT 6034

Kerma capture (mt102)

60-Nd-145

Cross Section -97.99 To 9999. %

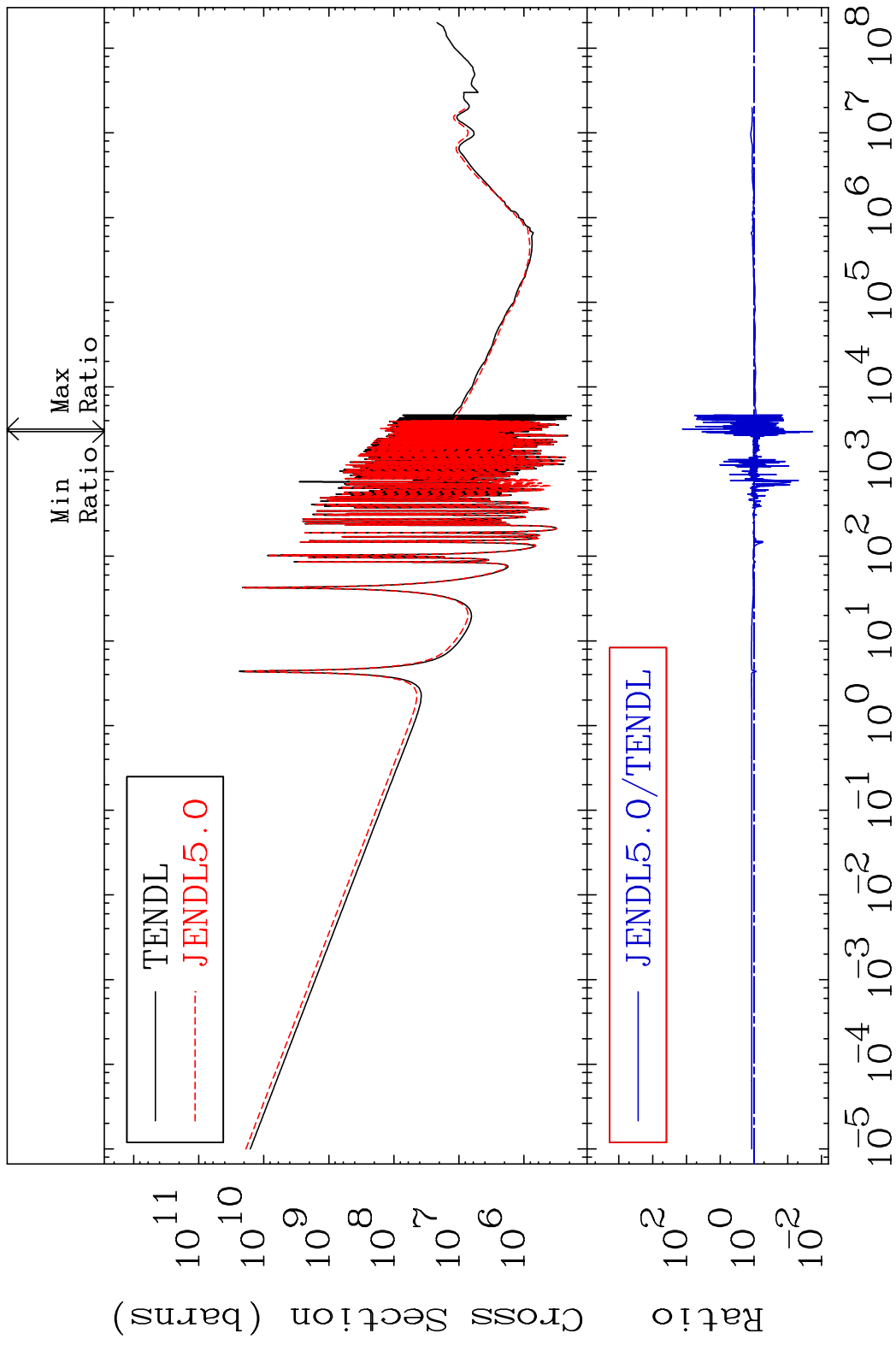


55

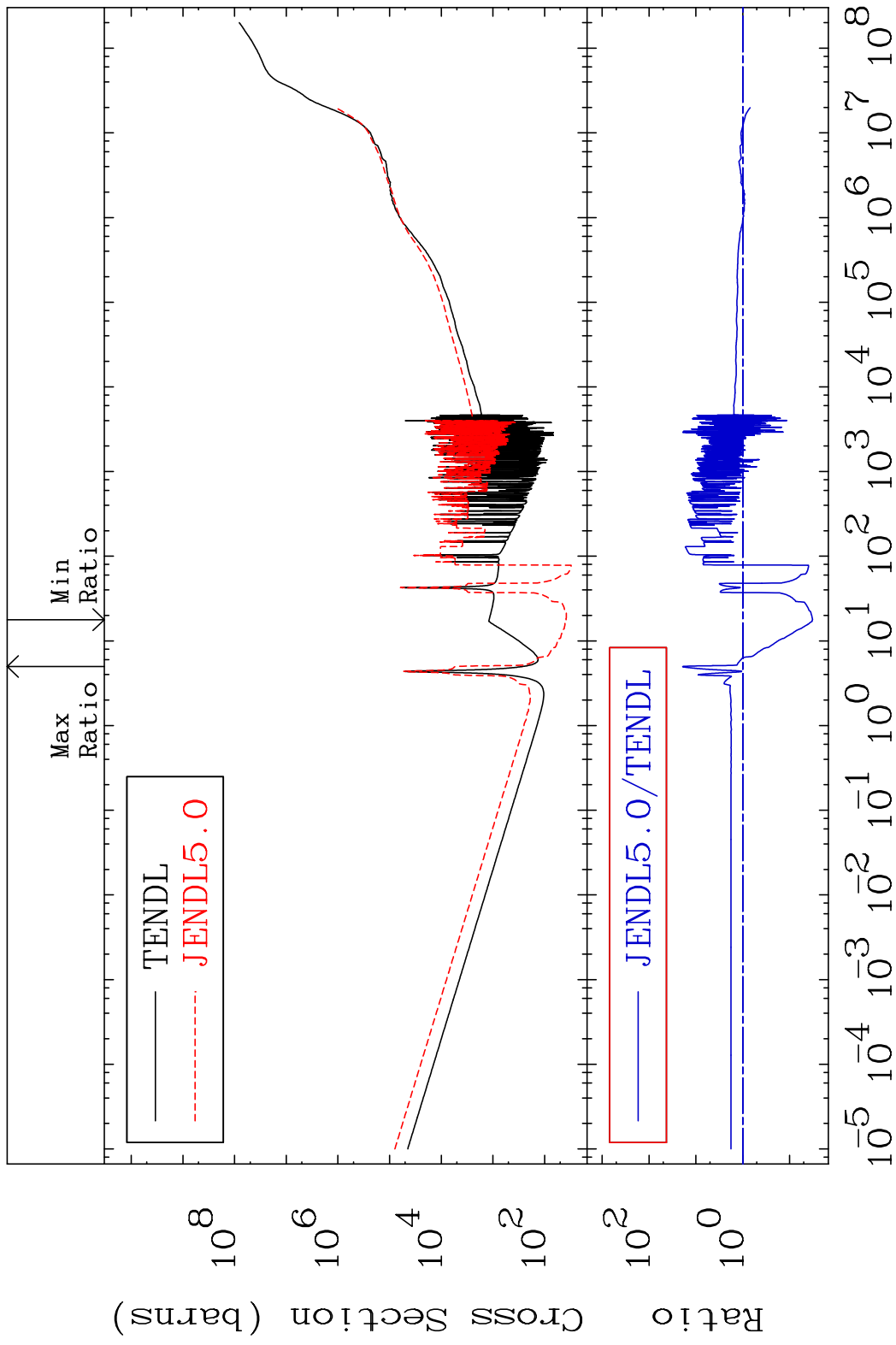
Incident Energy (eV)

60-Nd-145

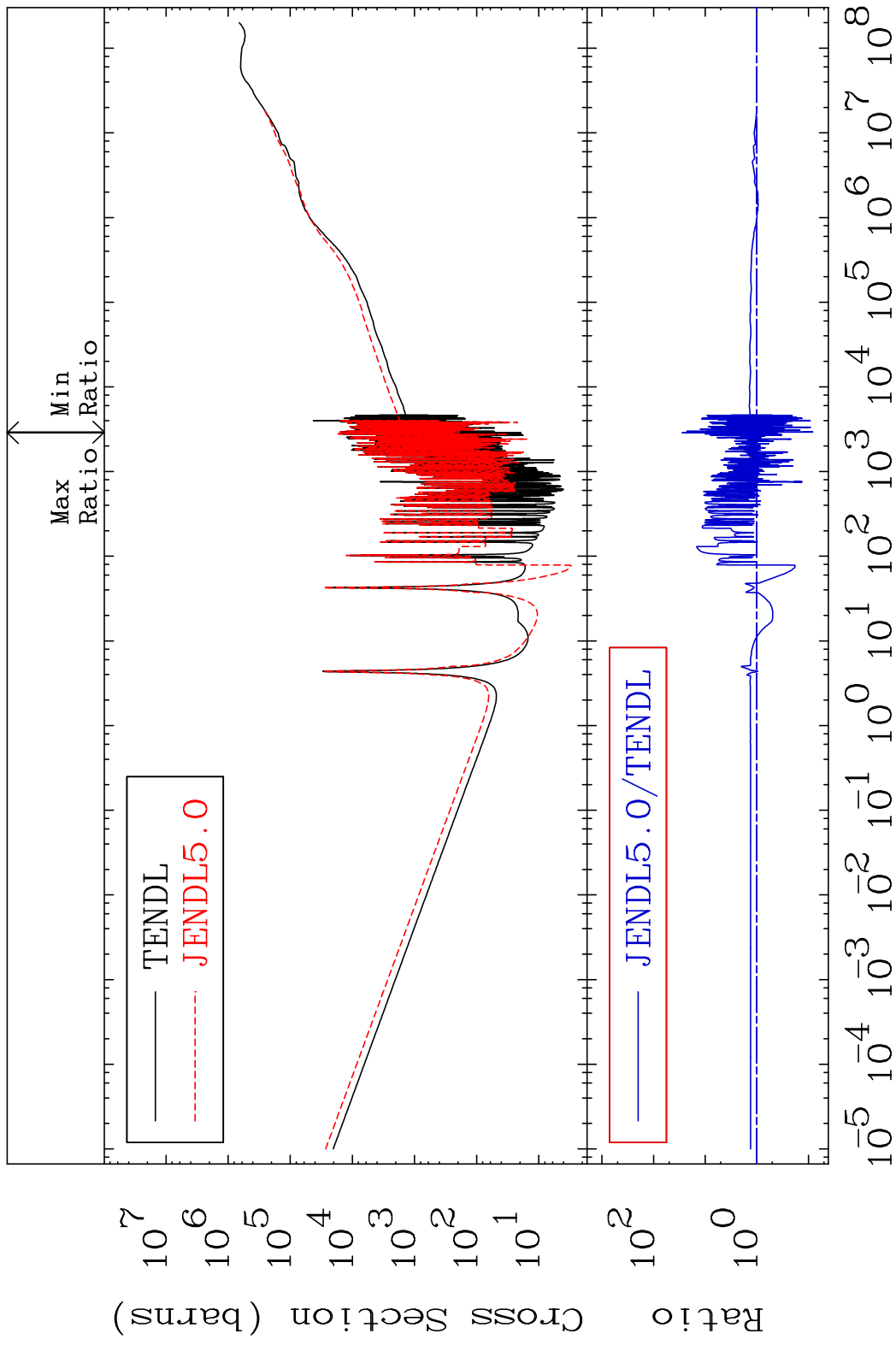
MAT 6034 Total photon (eV-barns) 60-Nd-145  
Cross Section -98.16 To 9999. %



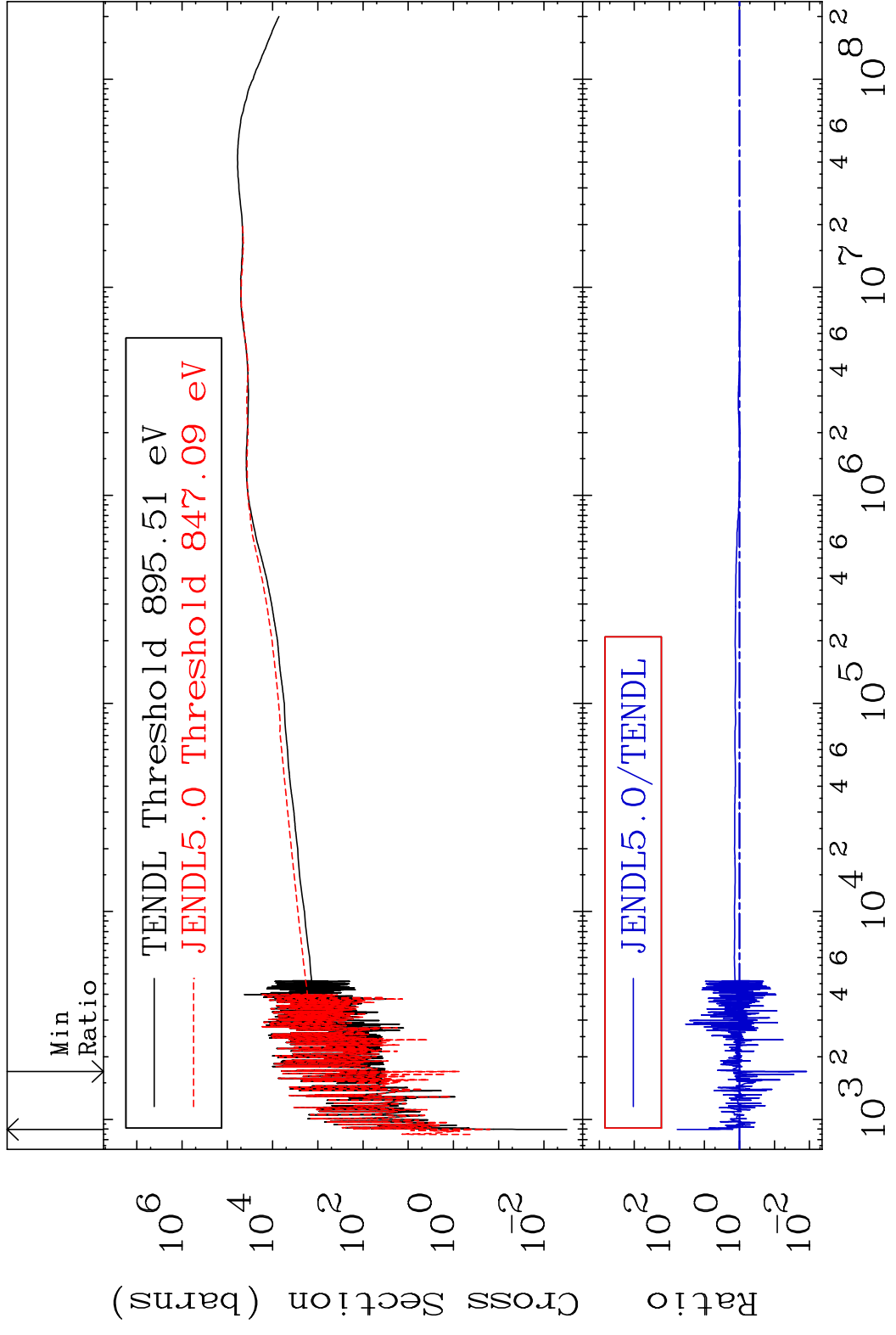
MAT 6034 Total kinematic kerma (high limit) 60-Nd-145  
 Cross Section -96.77 To 1846. %



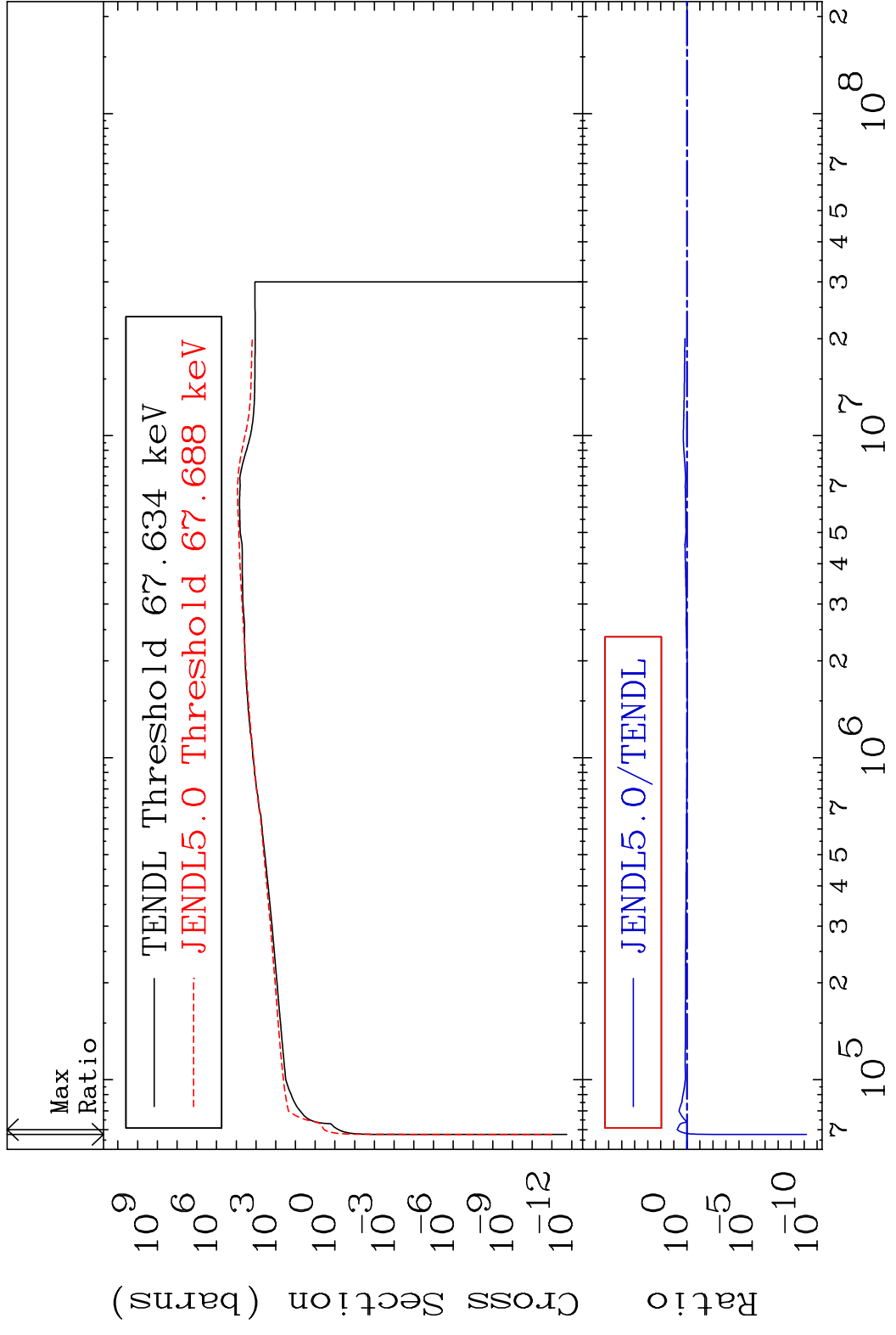
MAT 6034      Dpa total (eV-barns)      60-Nd-145  
 Cross Section      -91.69 To 2670. %



MAT 6034      Dpa elastic (mt2)      60-Nd-145  
Cross Section      -98.78 To 5877. %



MAT 6034      Dpa inelastic (mt51-91)      60-Nd-145  
 Cross Section      -100.0 To 453.1 %



60      Incident Energy (eV)      60-Nd-145

MAT 6034 Dpa disappearance (mt102 -120) 60-Nd-145  
 Cross Section -91.81 To 8043. %

