

Program Complot
(Version 2021-1)

by

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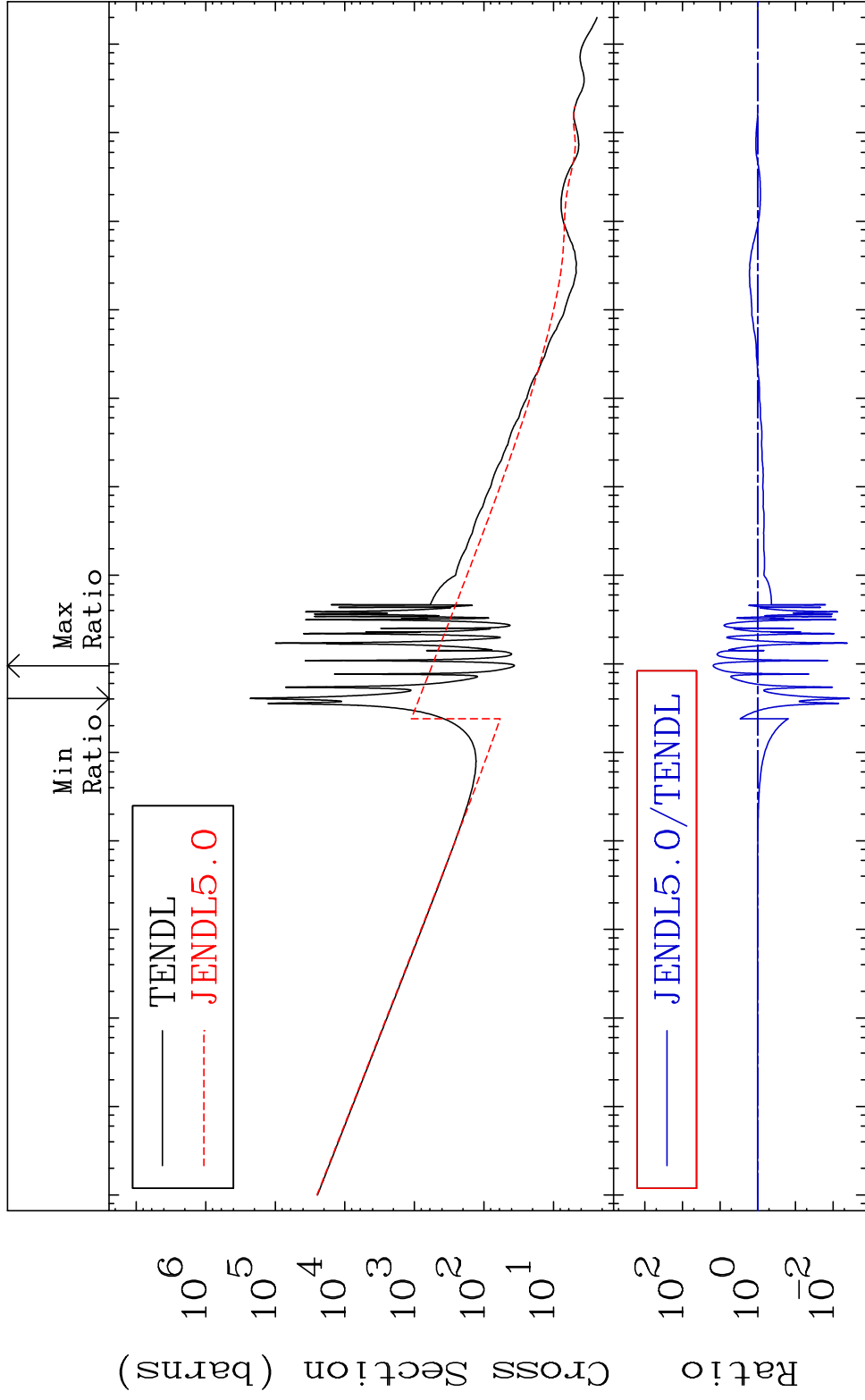
Press Mouse Button to Start

MAT 6161

Total

61-Pm-151

Cross Section -99.63 To 1427. %



1

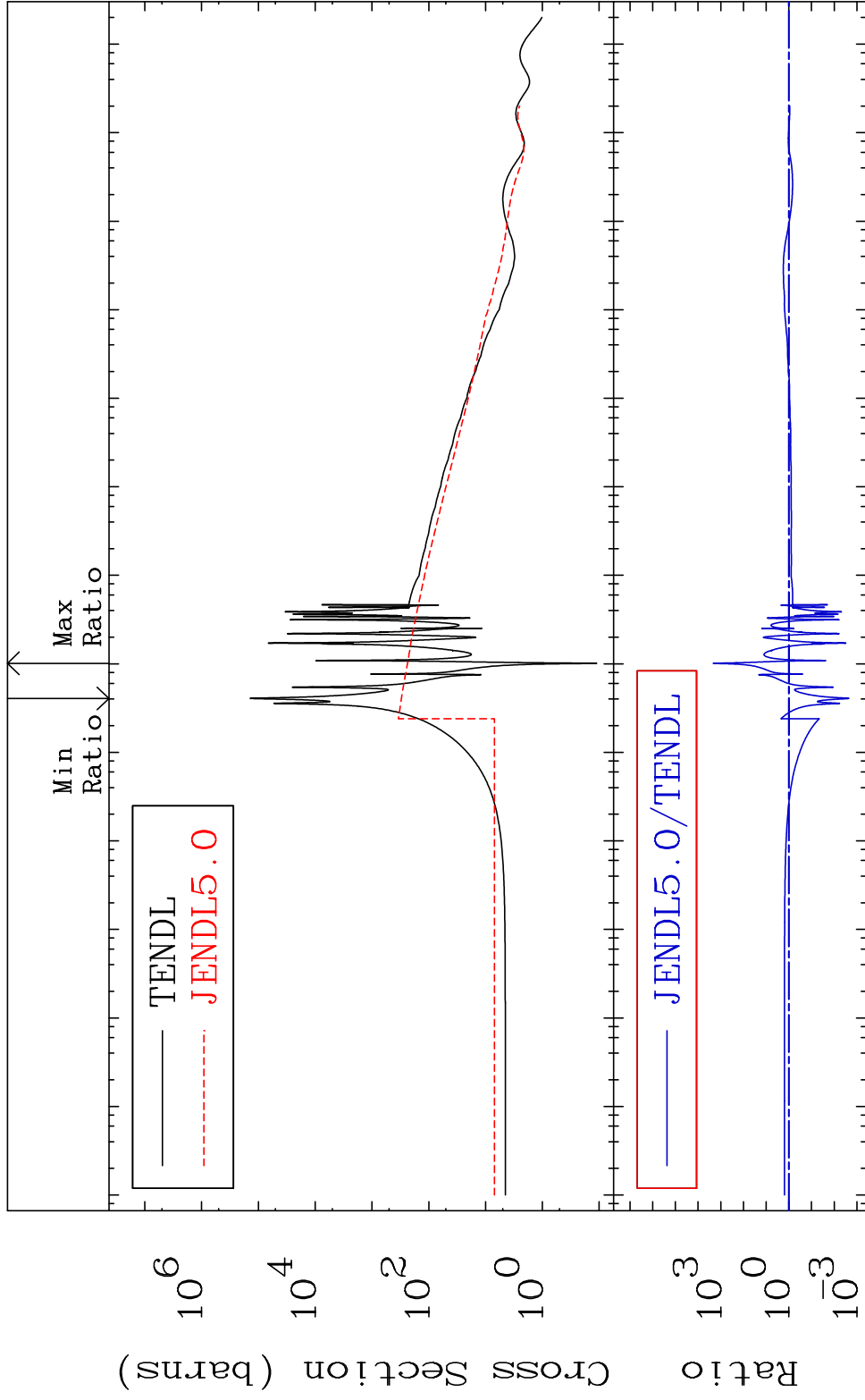
Incident Energy (eV)

61-Pm-151

MAT 6161

Elastic Cross Section -99.78 To 9999. %

61-Pm-151



2

Incident Energy (eV)

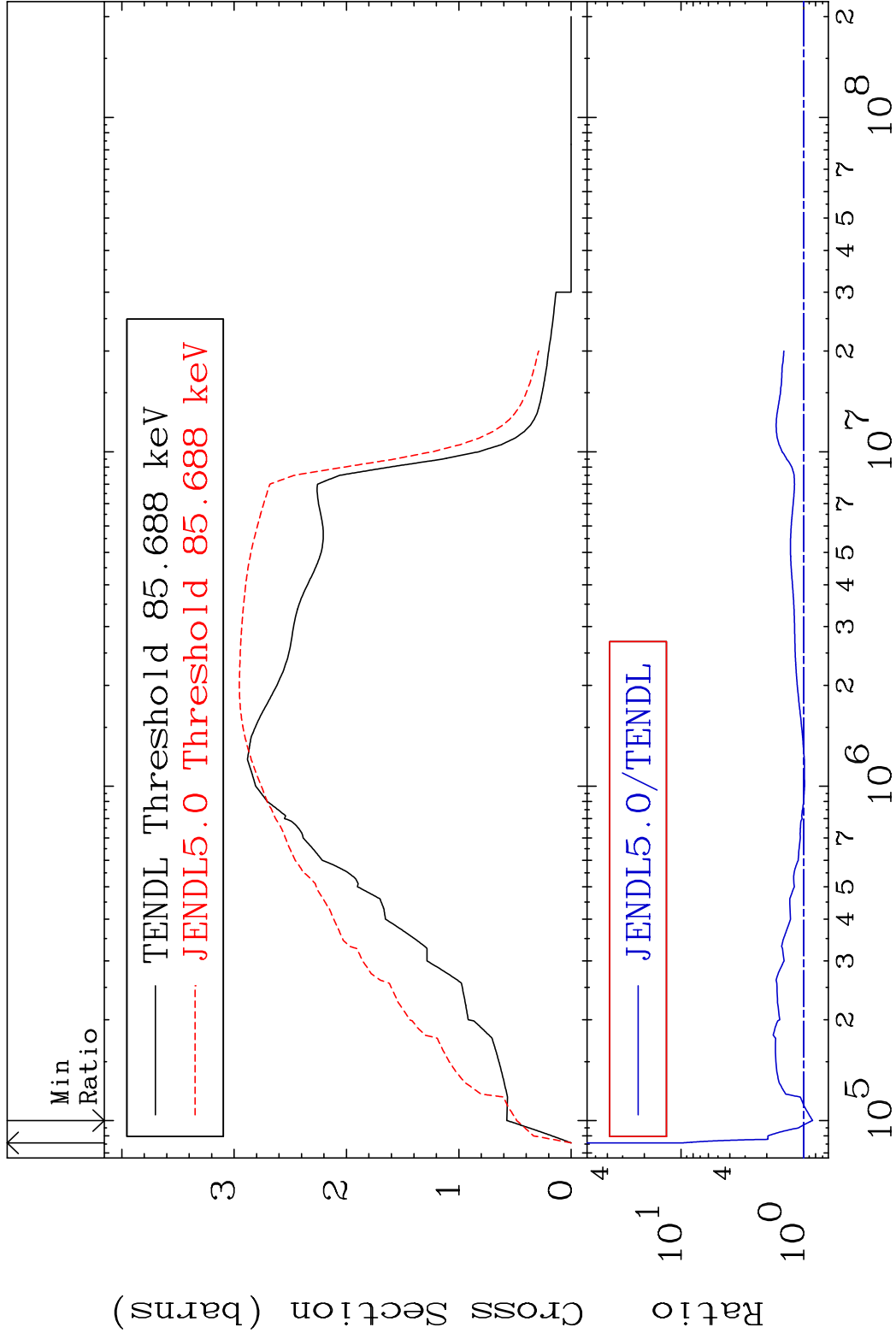
61-Pm-151

MAT 6161

Inelastic

61-Pm-151

Cross Section -15.41 To 877.2 %

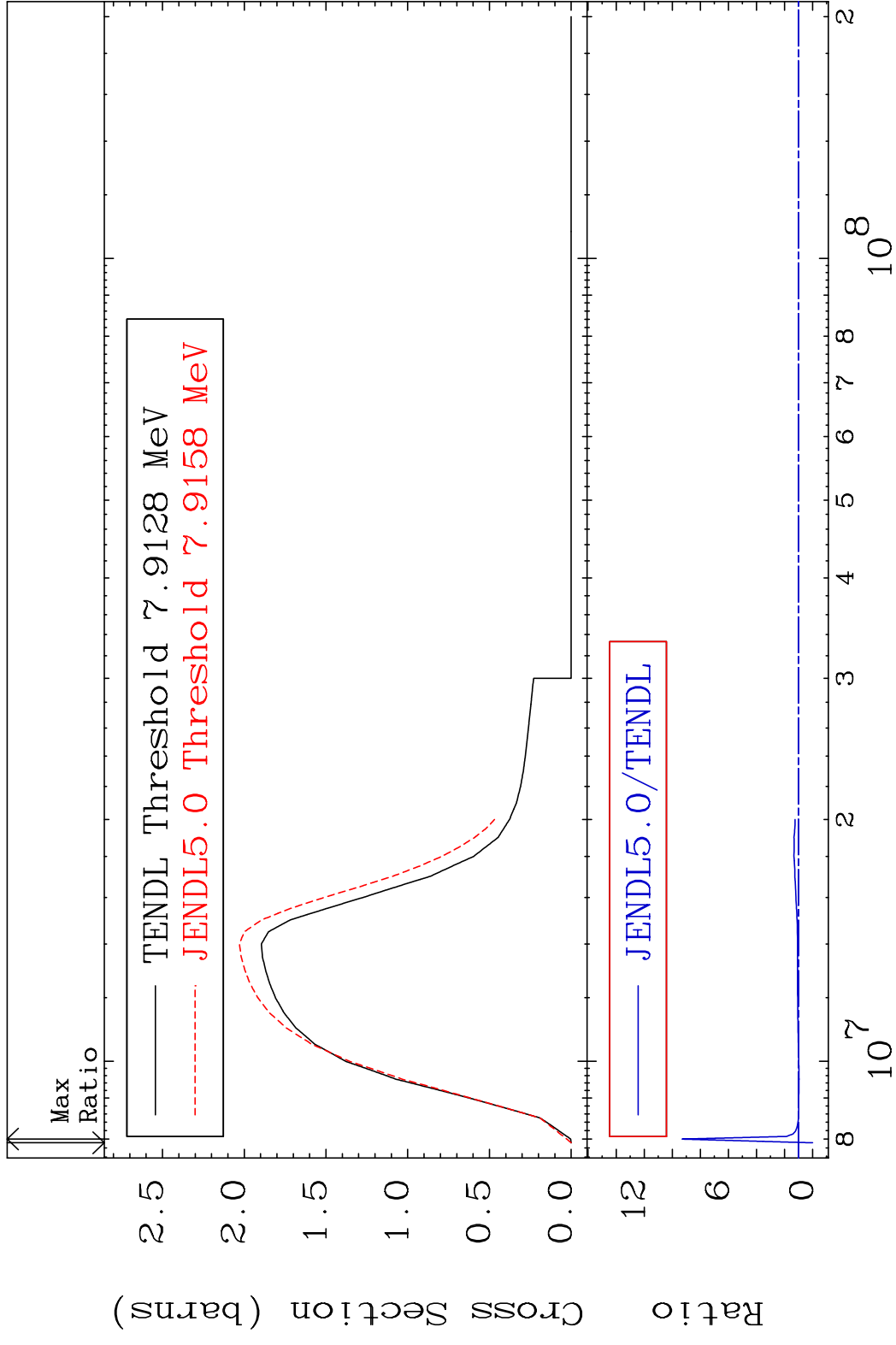


3

Incident Energy (eV)

61-Pm-151

MAT 6161 (n,2n) 61-Pm-151
 Cross Section -100.0 To 828.0 %



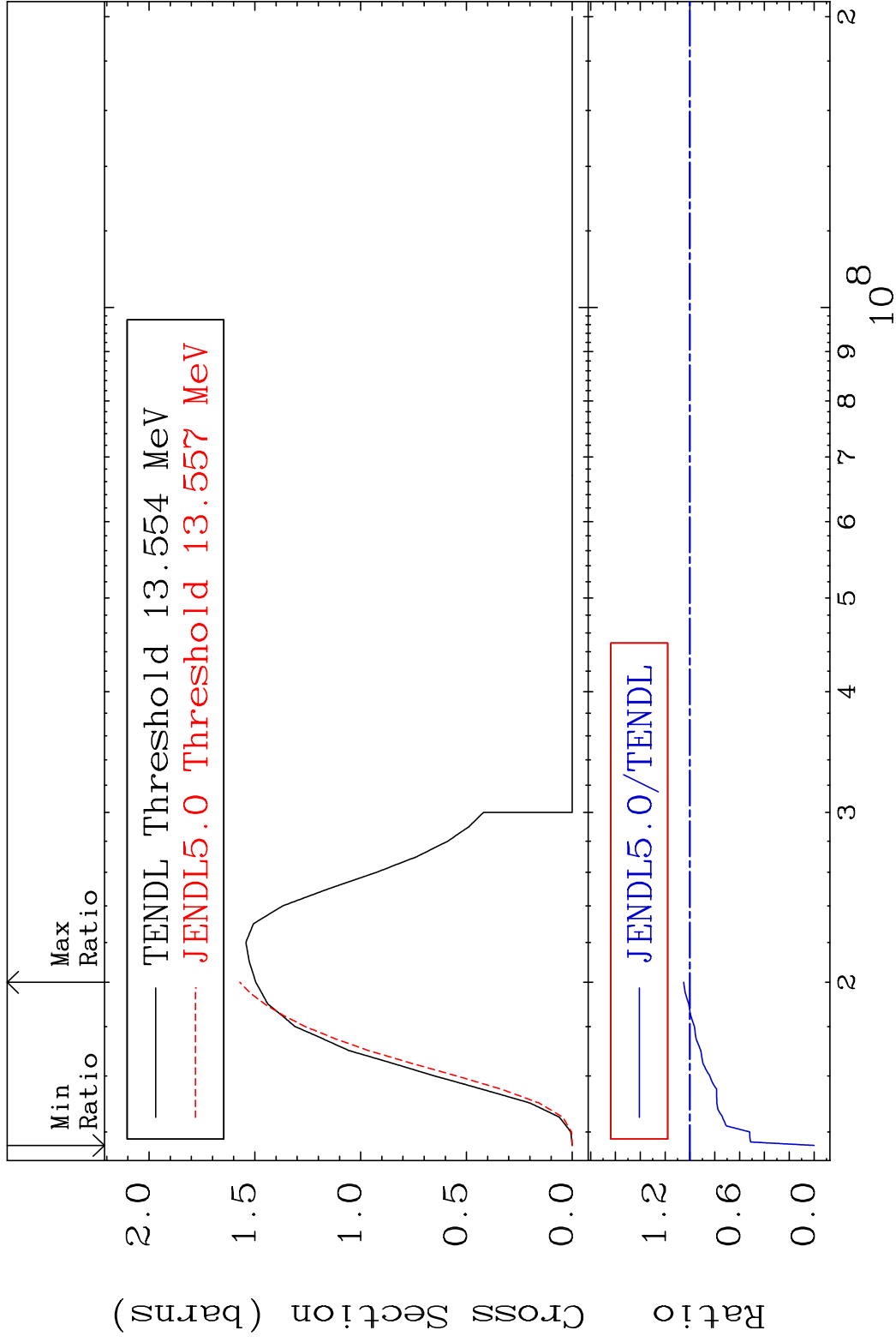
4 Incident Energy (eV) 61-Pm-151

MAT 6161

(n,3n)

61-Pm-151

Cross Section -100.0 To 5.072 %



5

Incident Energy (eV)

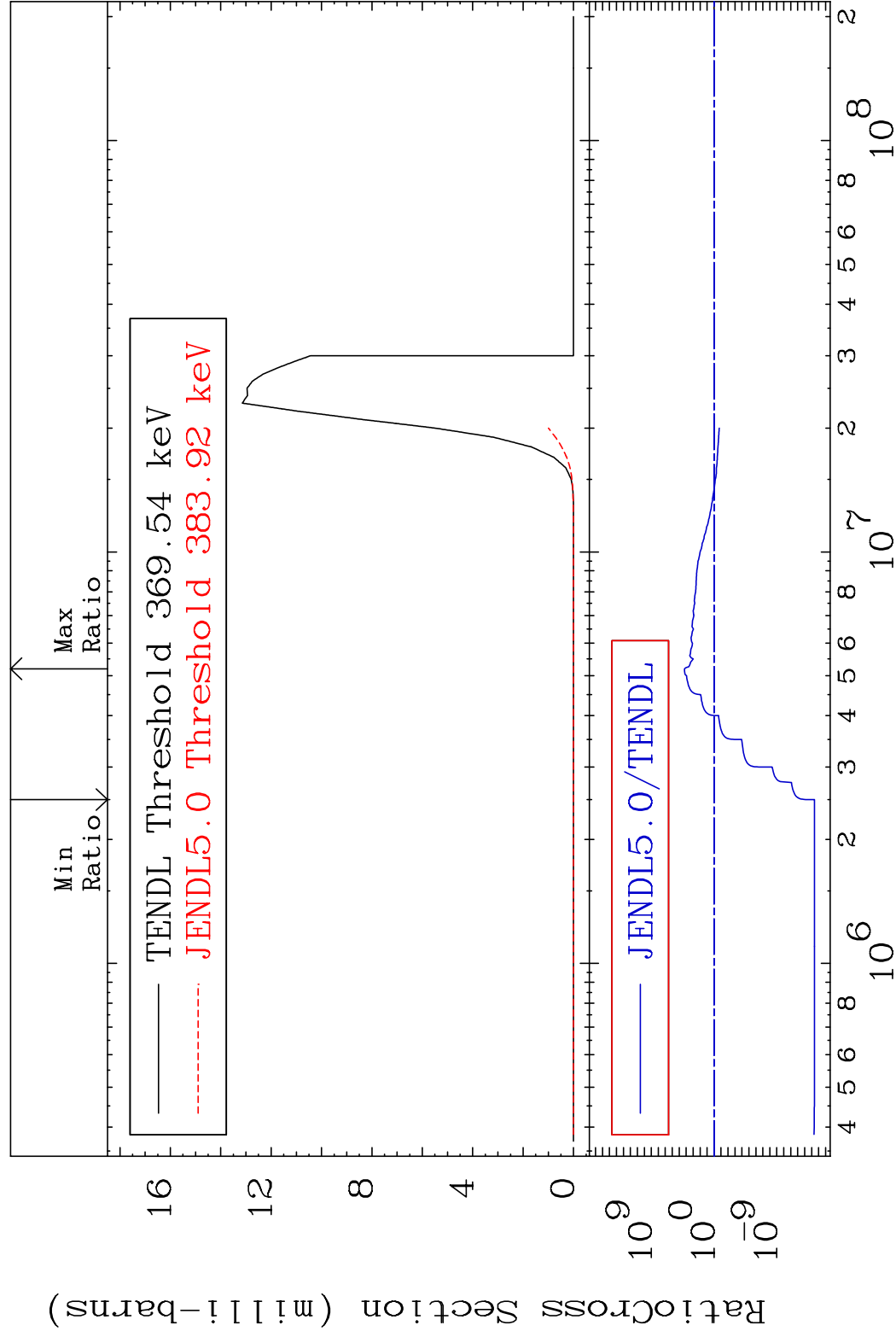
61-Pm-151

MAT 6161

(n, n') α

61-Pm-151

Cross Section -100.0 To 9999. %



6

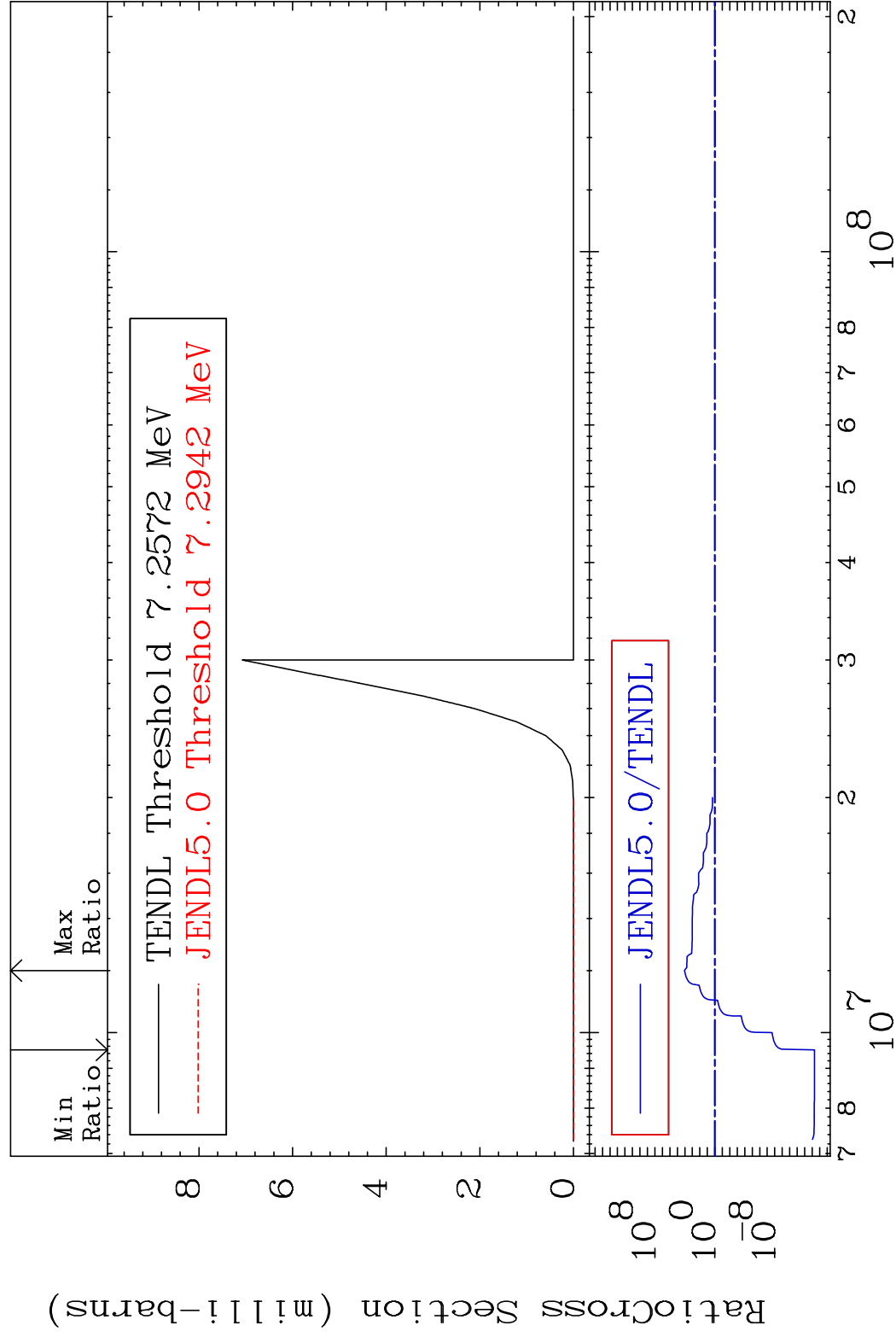
Incident Energy (eV)

61-Pm-151

MAT 6161

(n,2n) α 61-Pm-151

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

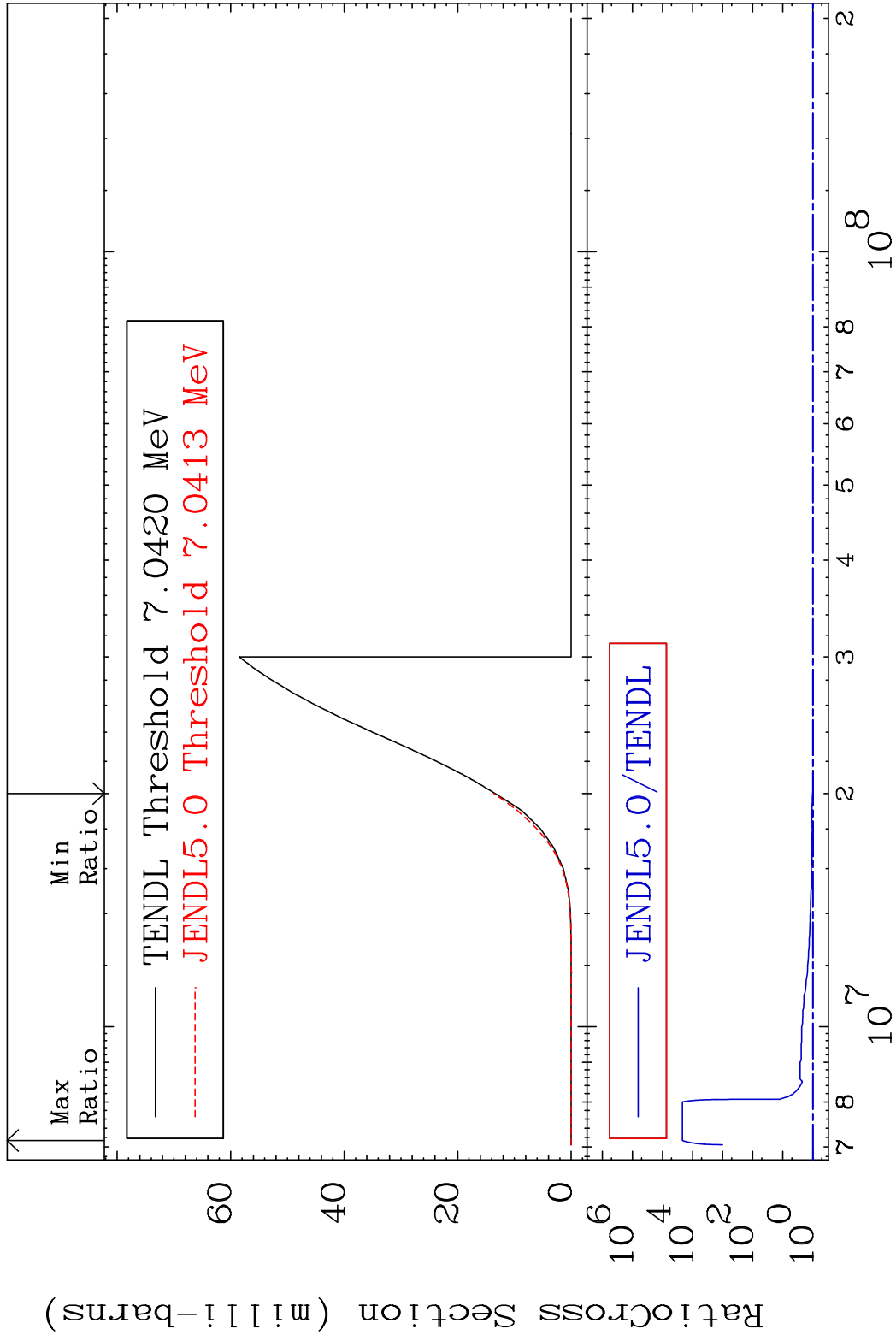
61-Pm-151

MAT 6161

(n, n') p

61-Pm-151

Cross Section 1.803 To 9999. %



8

Incident Energy (eV)

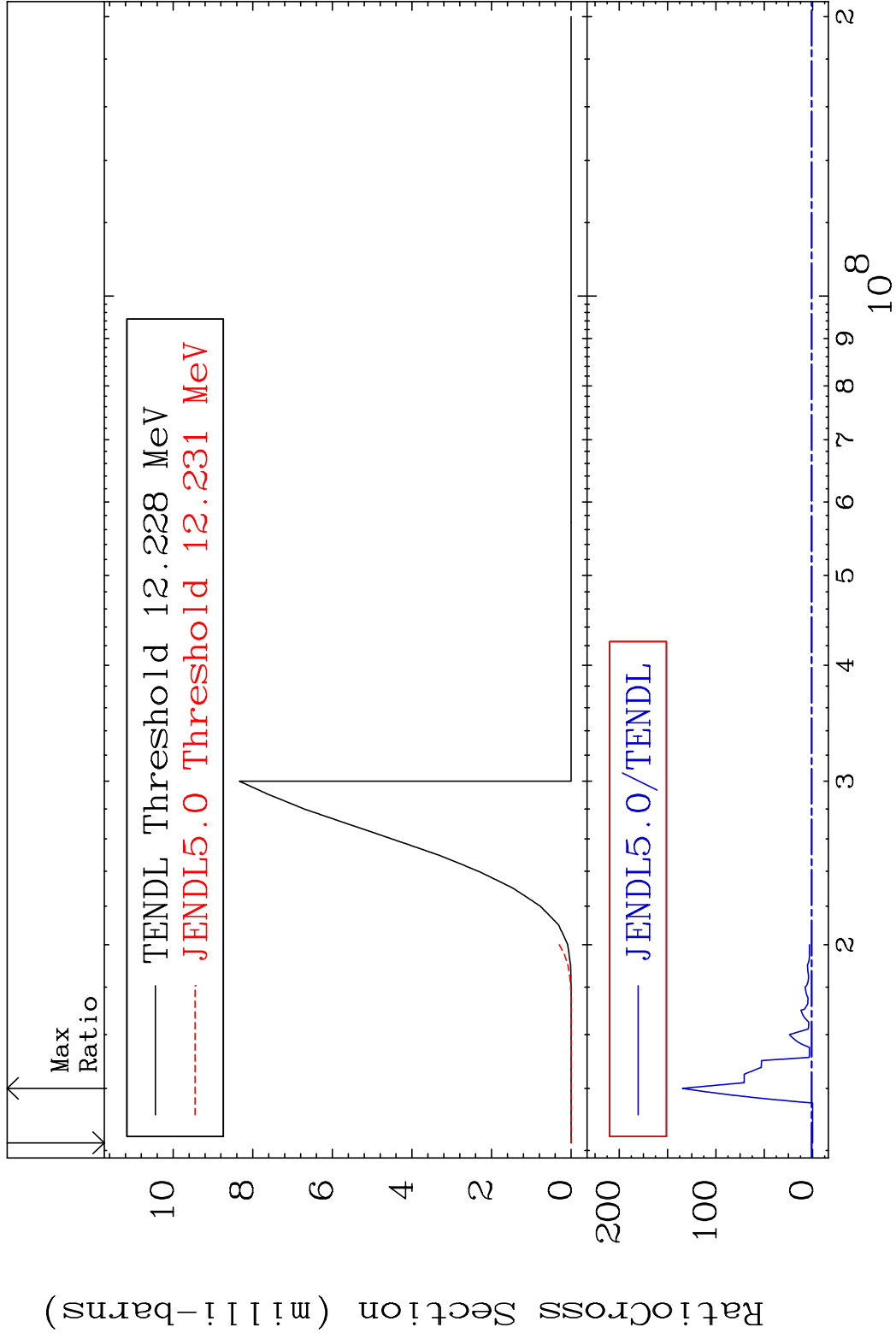
61-Pm-151

MAT 6161

(n, n') d

61-Pm-151

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

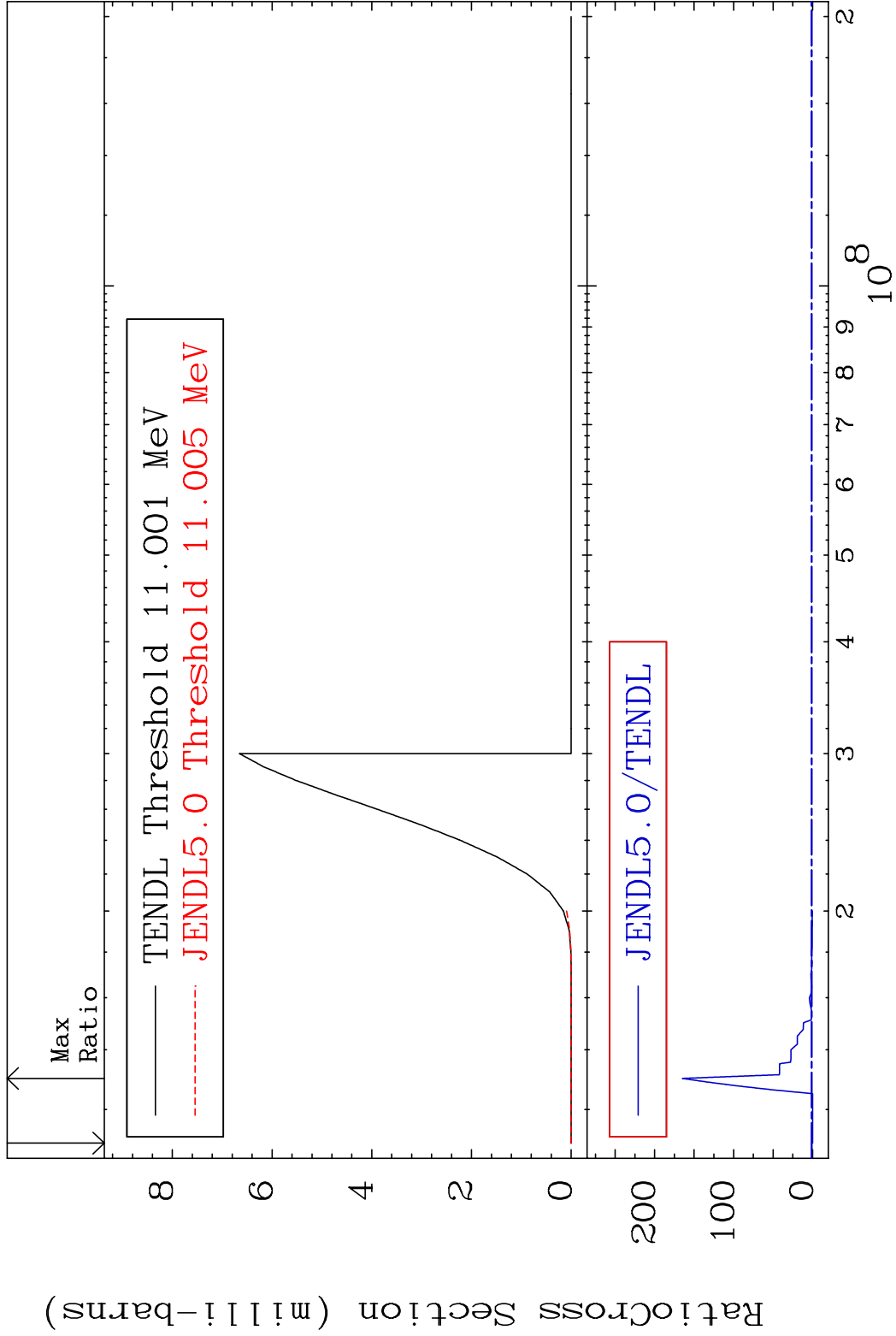
61-Pm-151

MAT 6161

(n, n') t

61-Pm-151

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

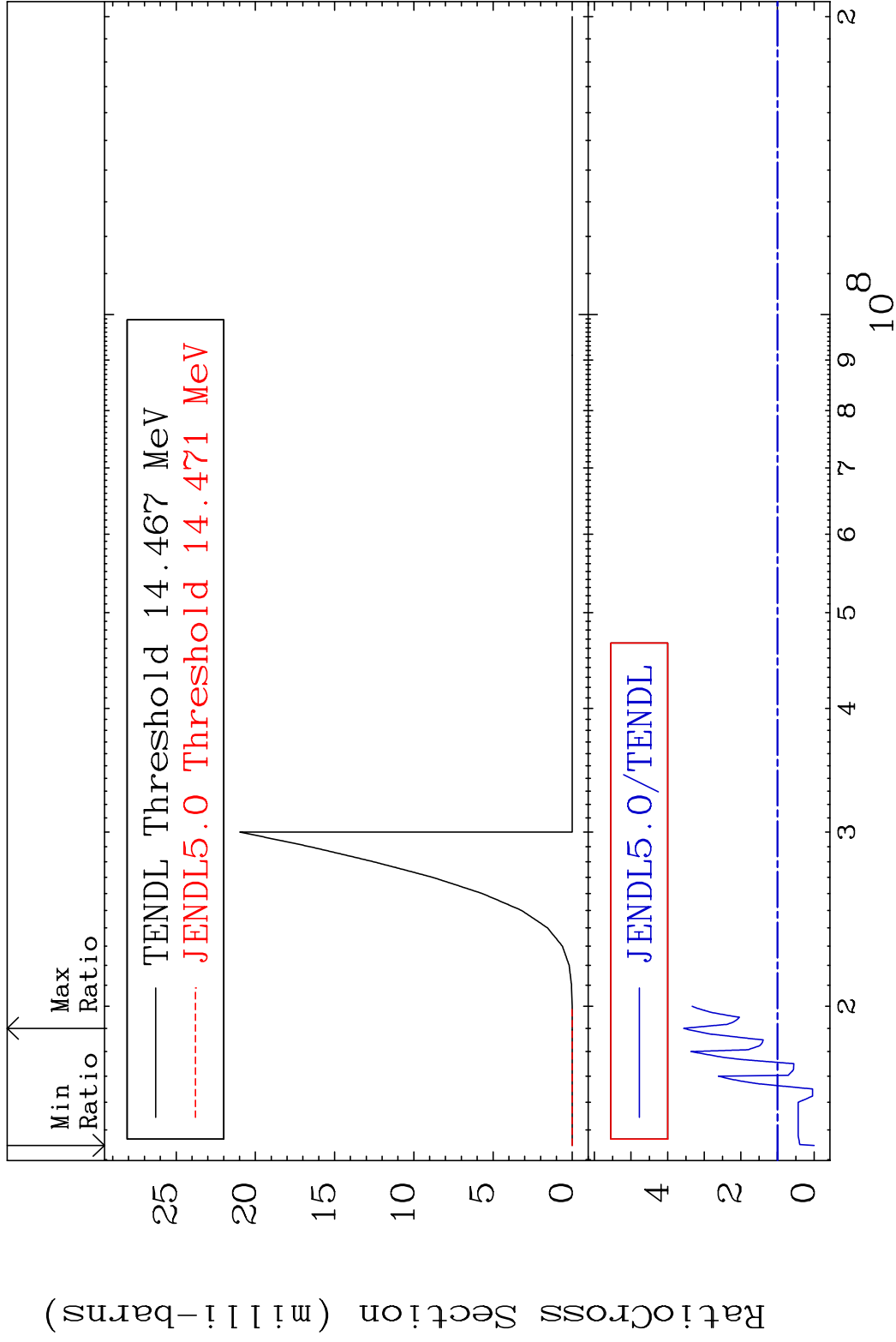
61-Pm-151

MAT 6161

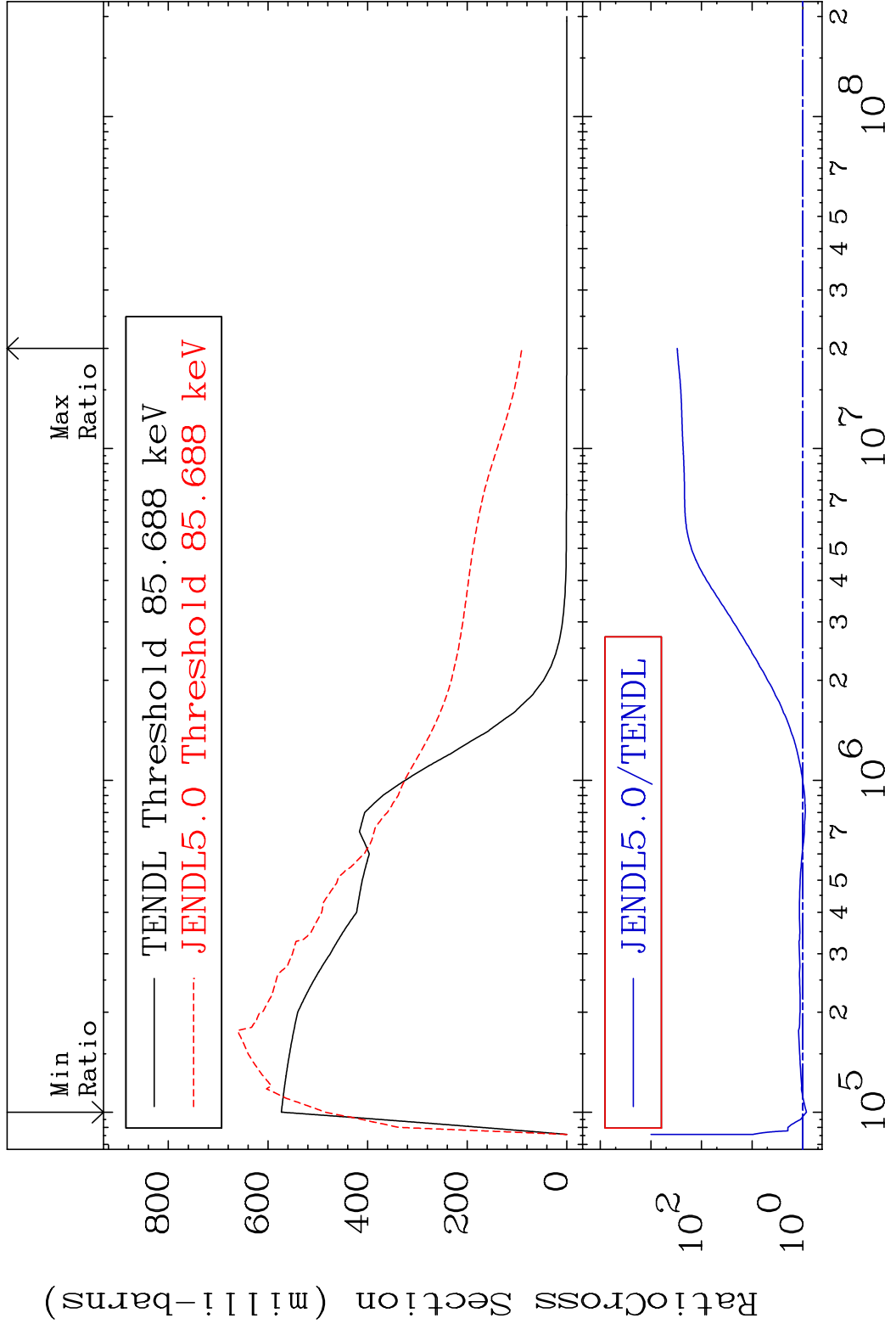
(n,2n) p

61-Pm-151

Cross Section -100.0 To 256.2 %

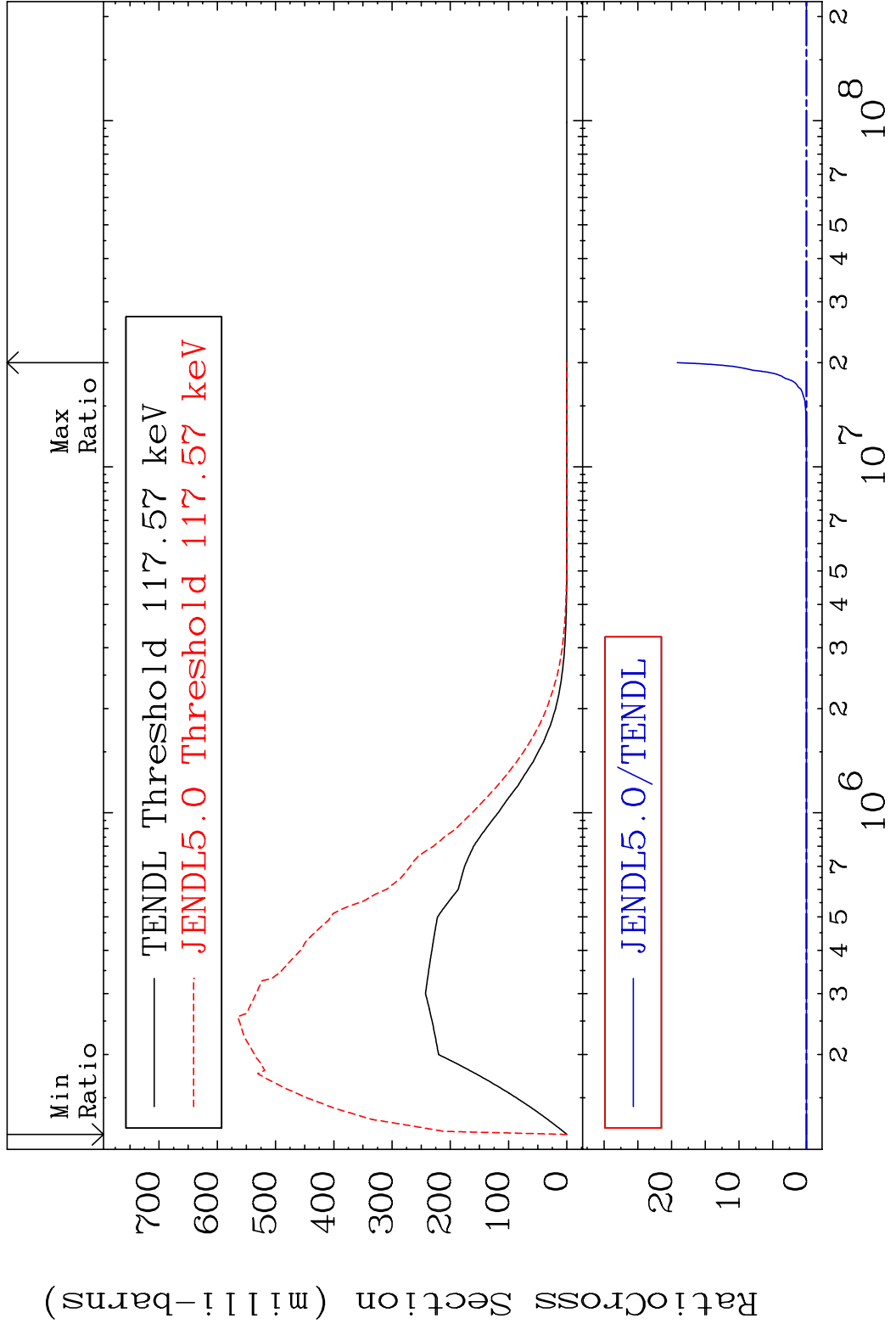


MAT 6161 MT= 51 (n, n') Level 61-Pm-151
 Cross Section -15.41 To 9999. %

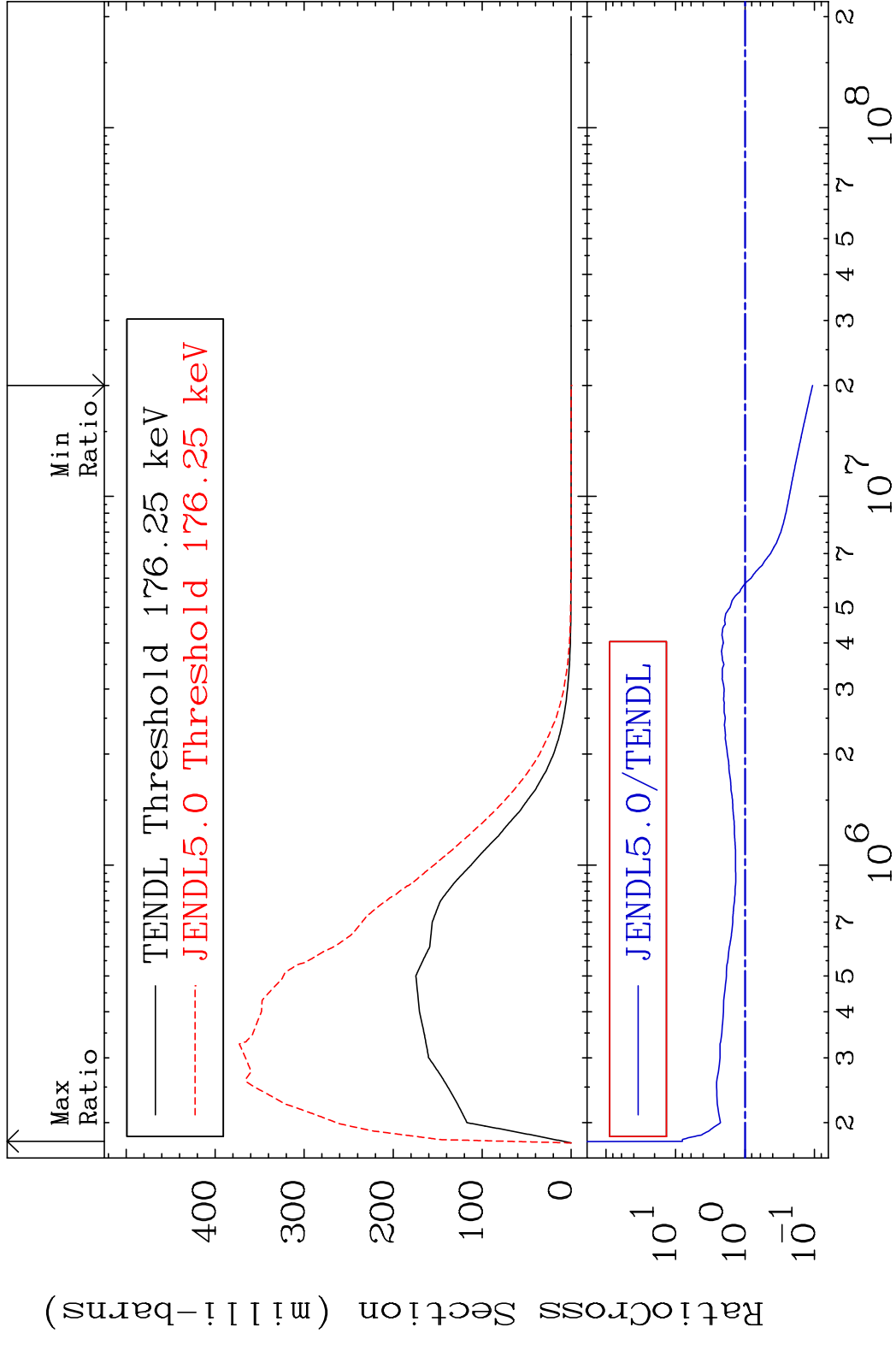


12 Incident Energy (eV) 61-Pm-151

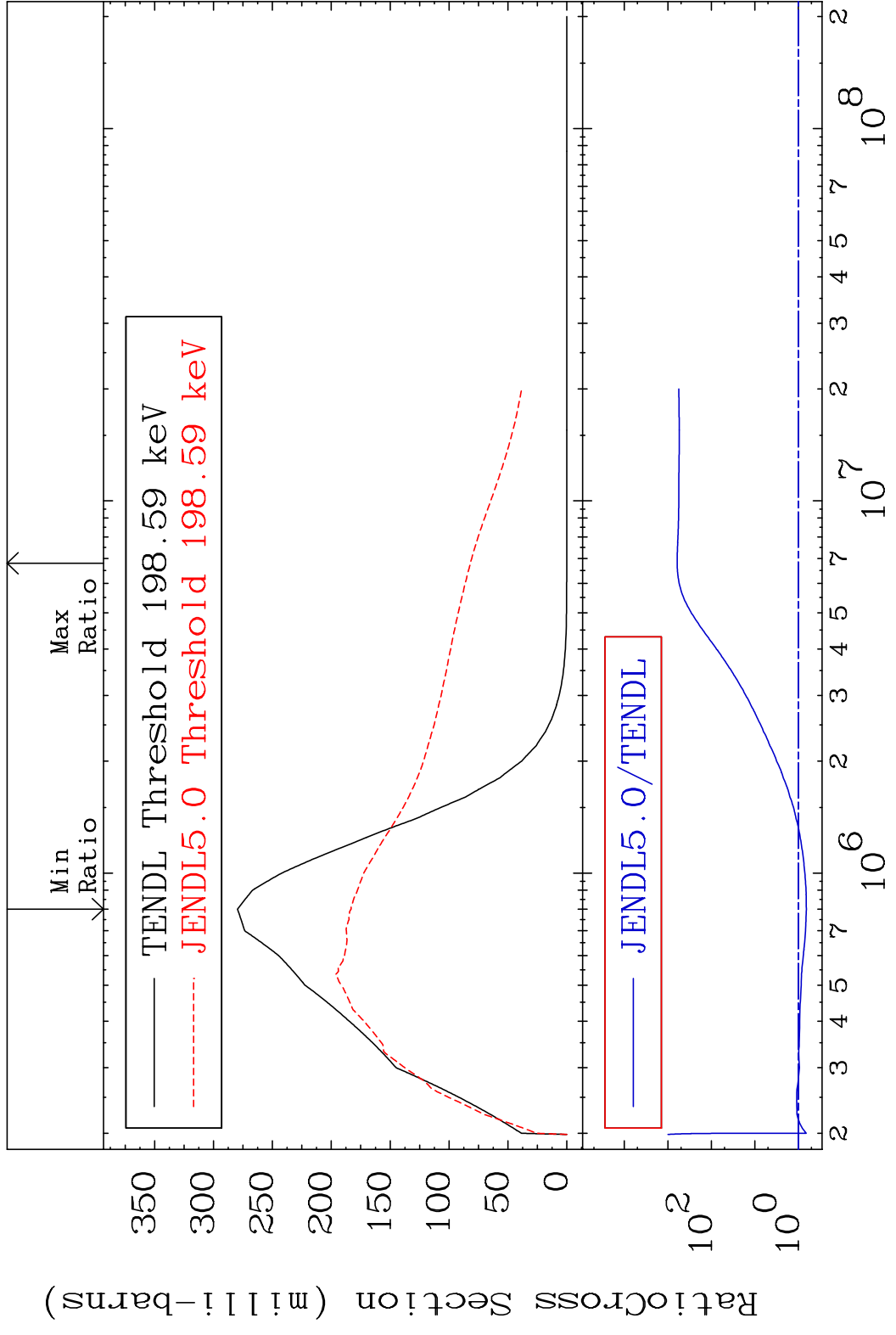
MAT 6161 MT= 52 (n, n') Level 61-Pm-151
 Cross Section -100.0 To 9999. %



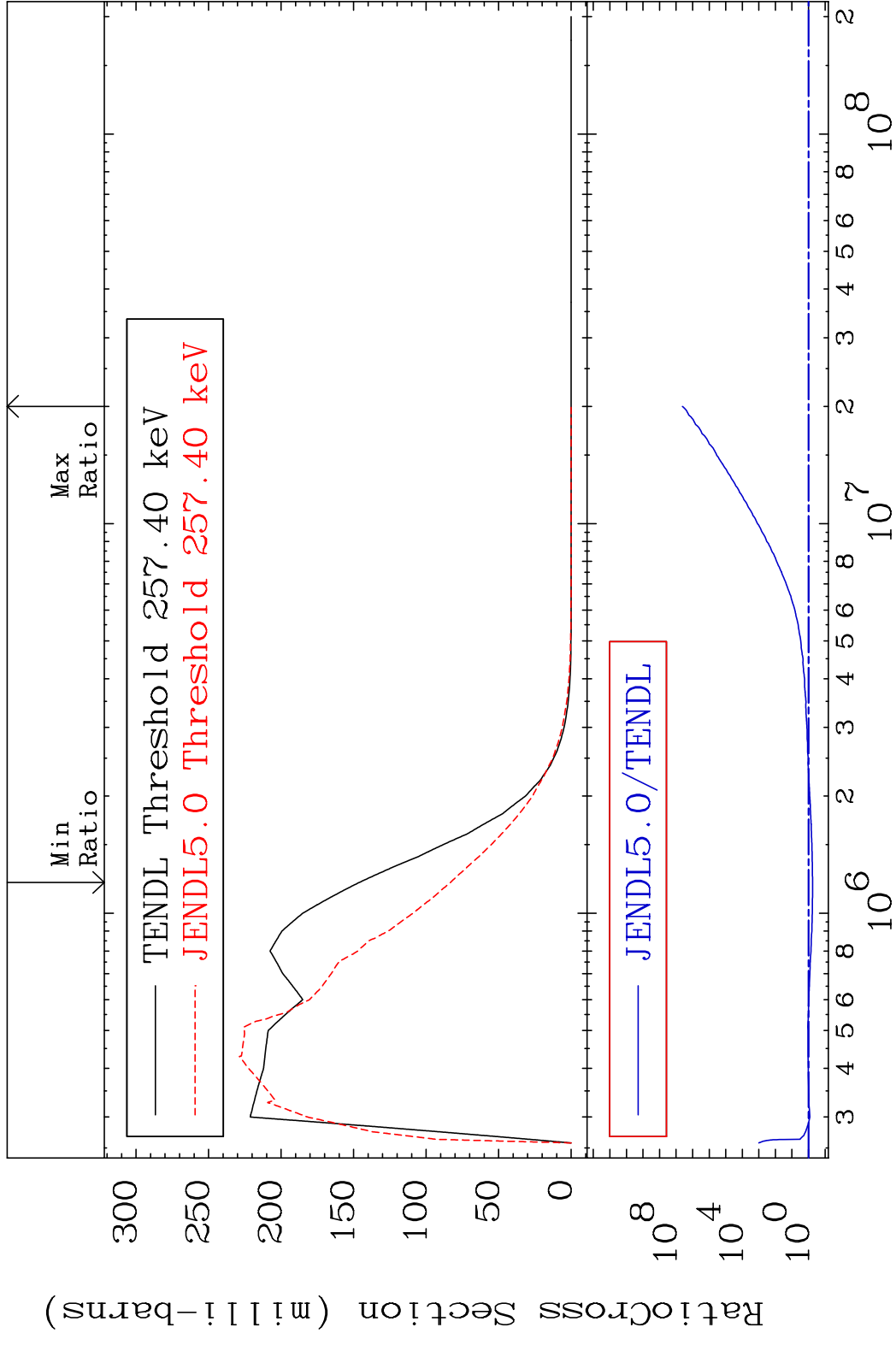
MAT 6161 MT= 53 (n, n') Level 61-Pm-151
 Cross Section -89.34 To 698.4 %



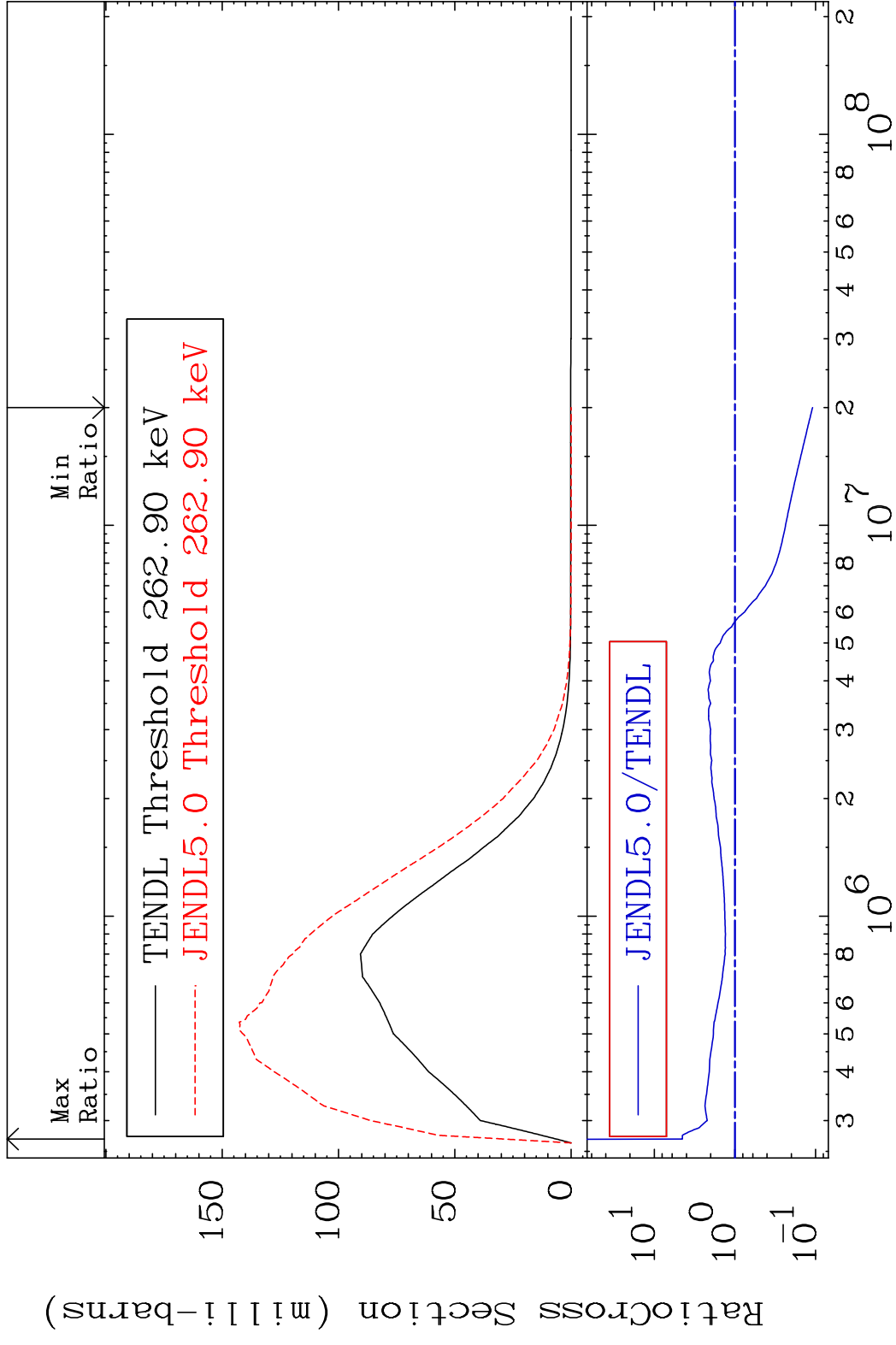
MAT 6161 MT= 54 (n, n') Level 61-Pm-151
 Cross Section -34.48 To 9999. %



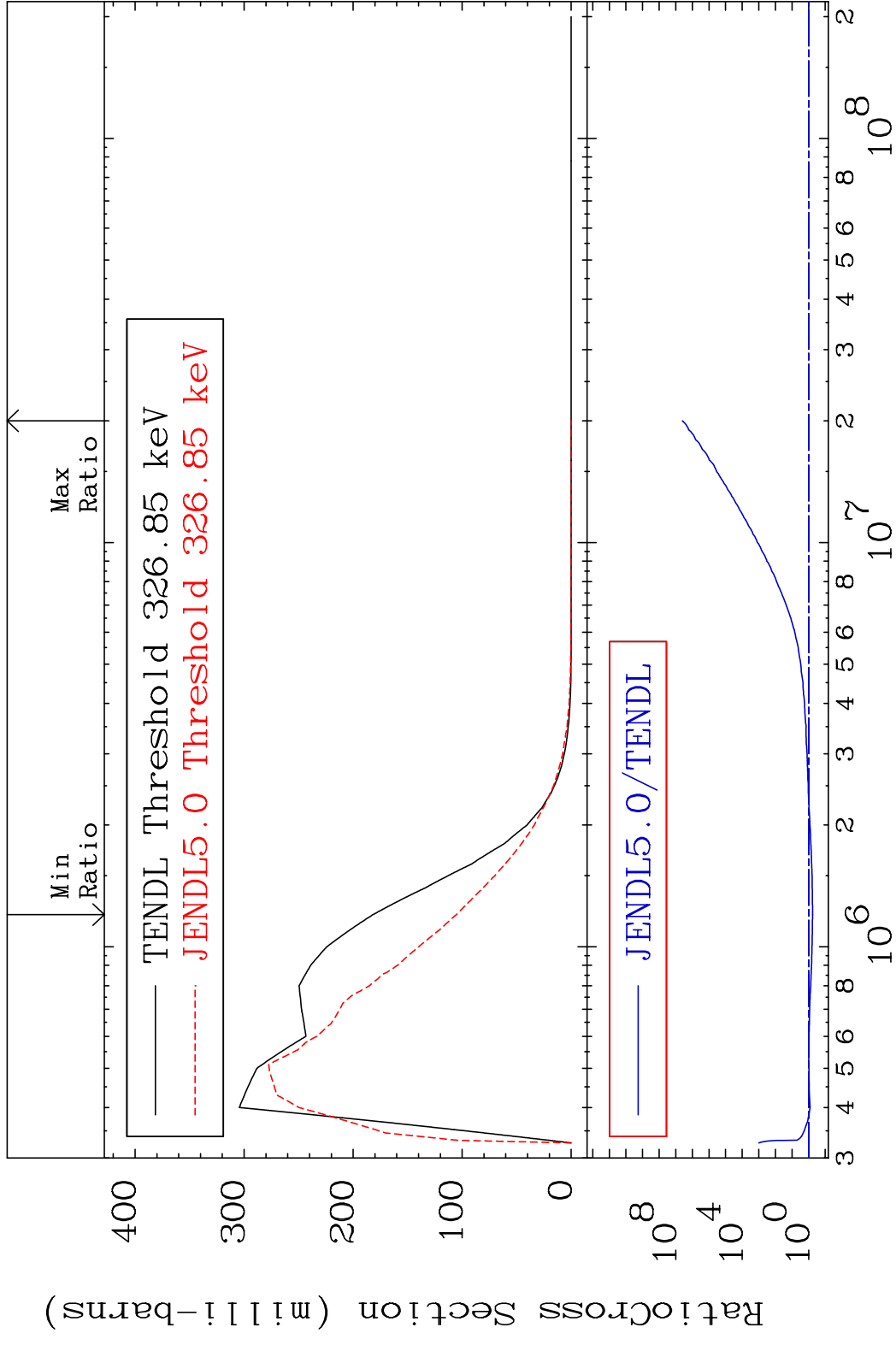
MAT 6161 MT= 55 (n,n') Level 61-Pm-151
 Cross Section -43.01 To 9999. %



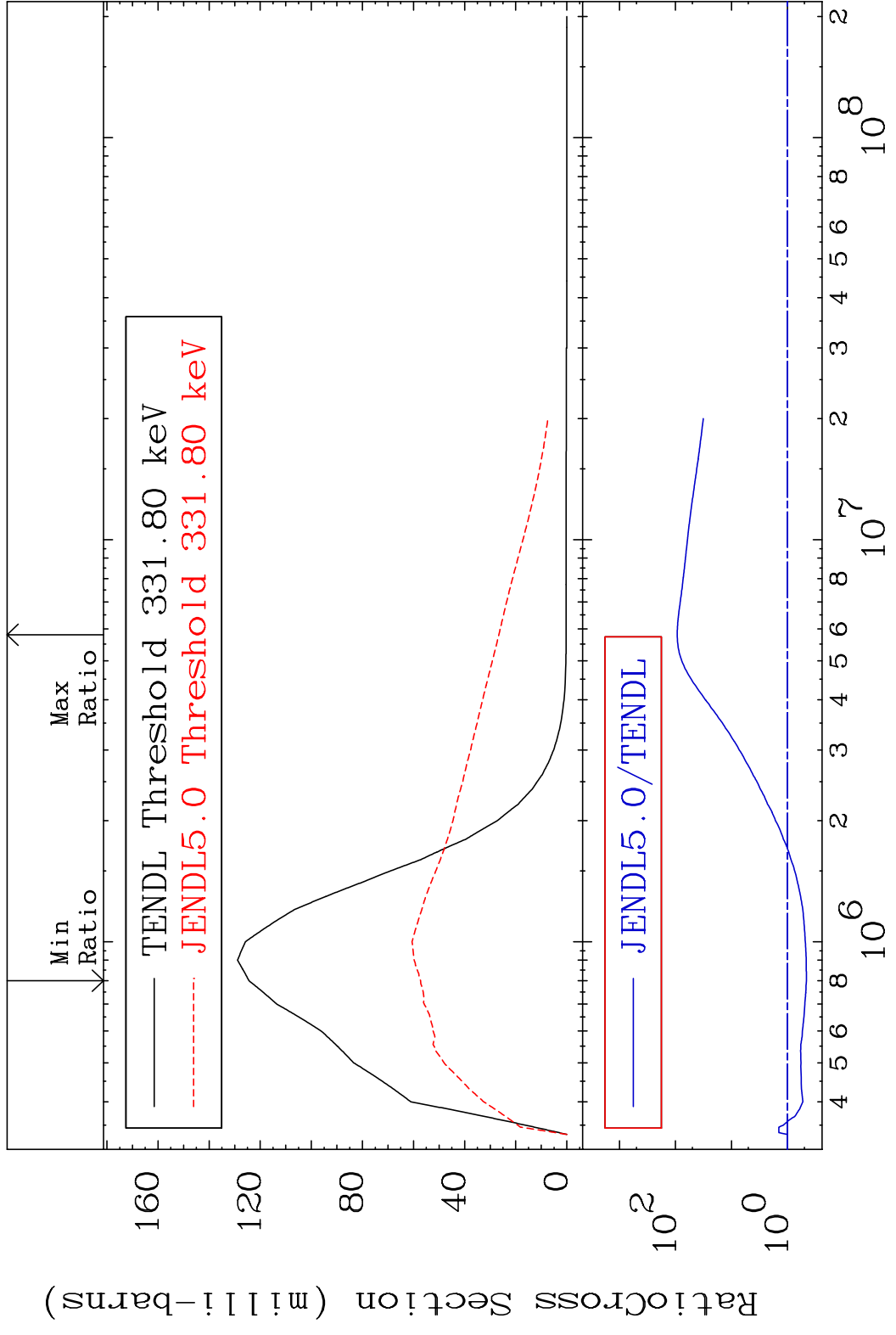
MAT 6161 MT= 56 (n,n') Level 61-Pm-151
 Cross Section -89.10 To 349.1 %



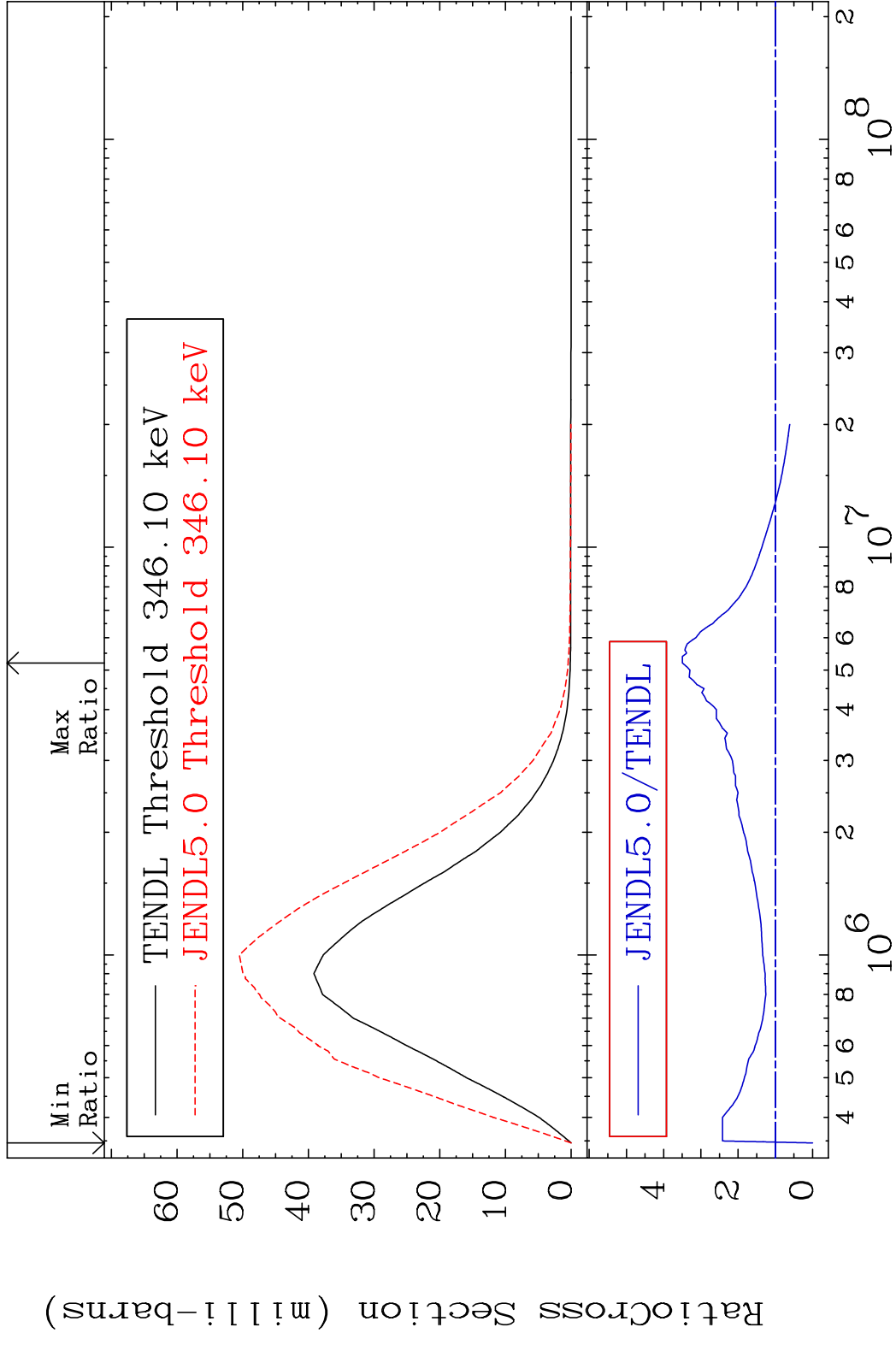
MAT 6161 MT= 57 (n, n') Level 61-Pm-151
 Cross Section -42.06 To 9999. %



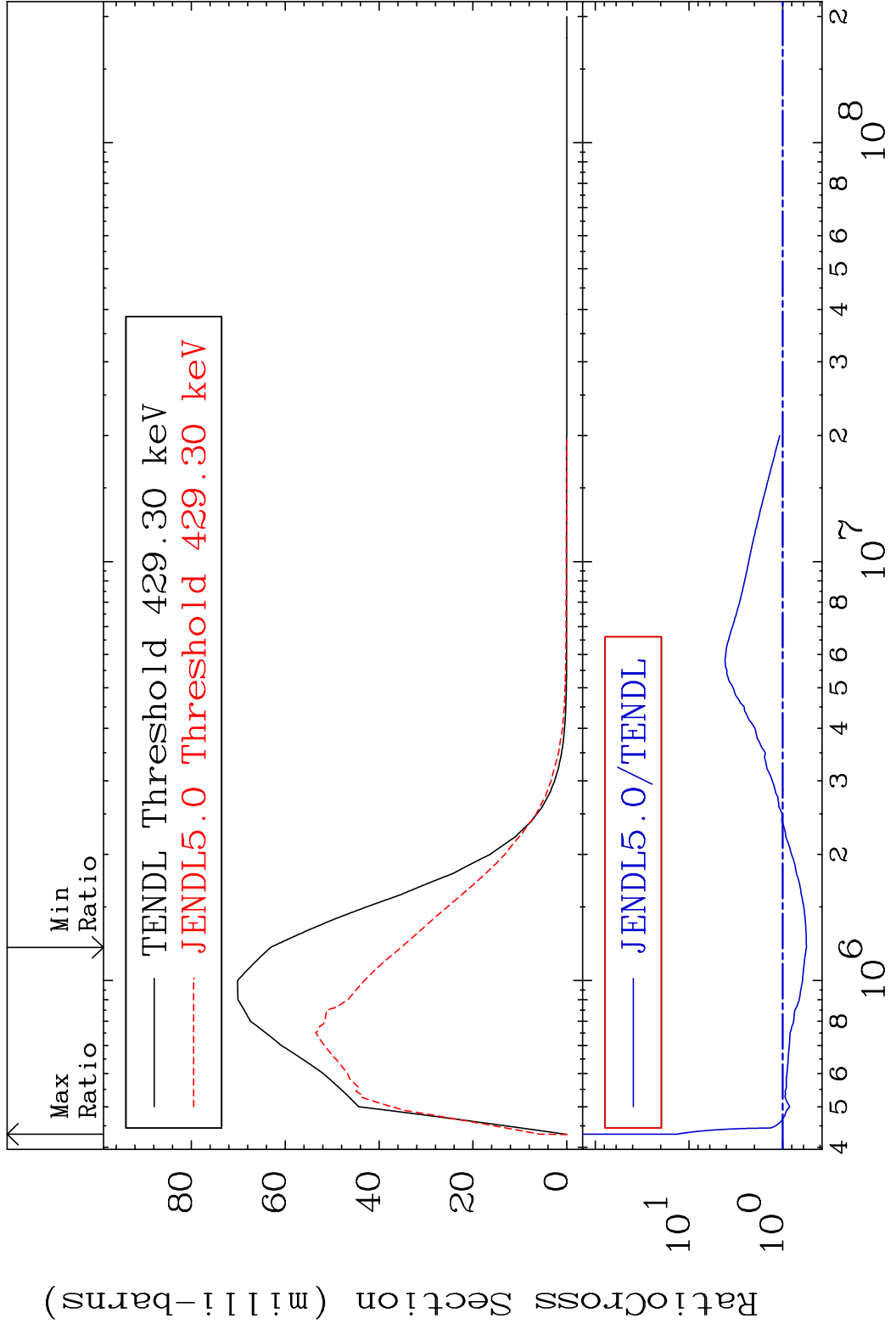
MAT 6161 MT= 58 (n, n') Level 61-Pm-151
 Cross Section -53.96 To 9239. %



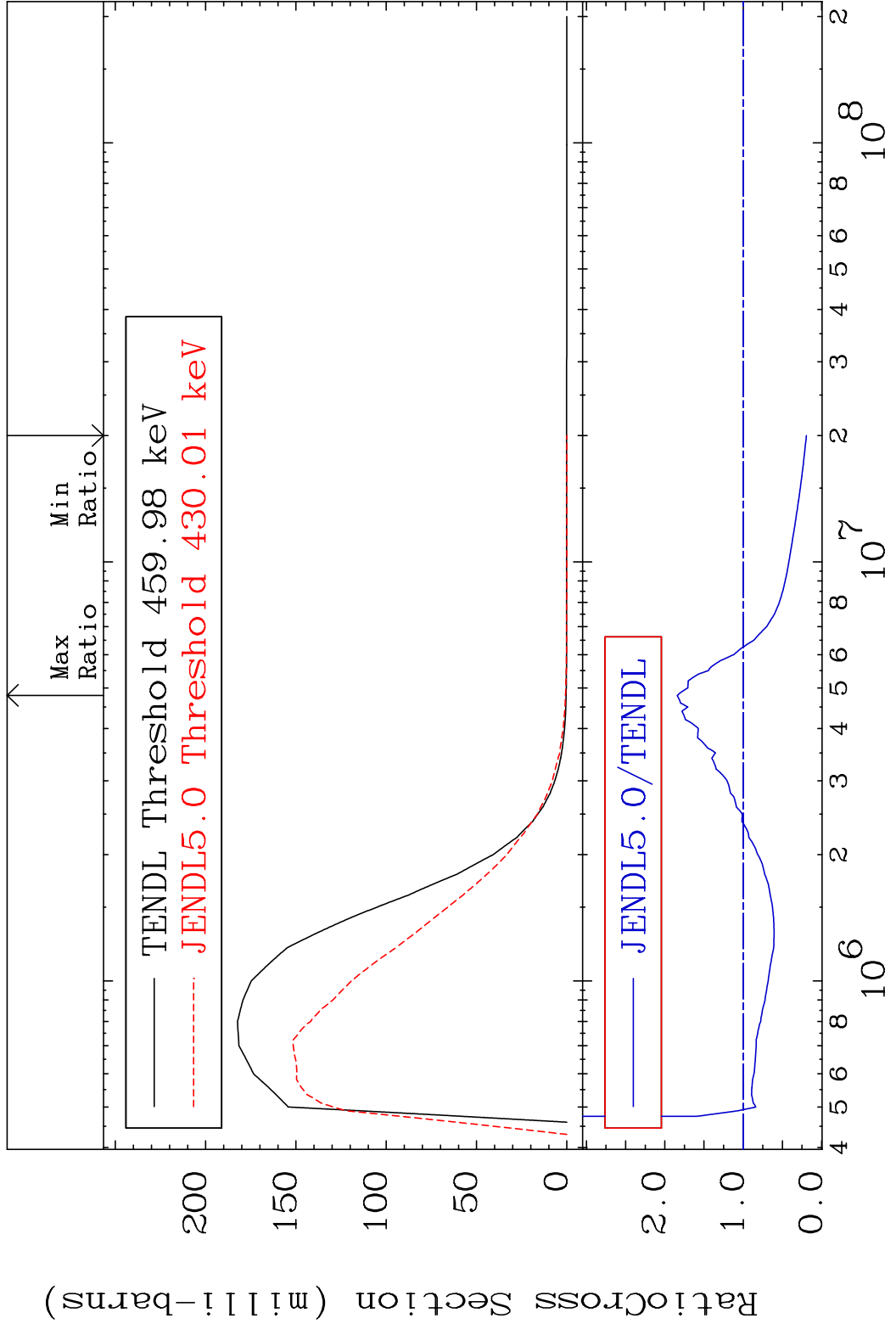
MAT 6161 MT= 59 (n, n') Level 61-Pm-151
 Cross Section -100.0 To 249.8 %



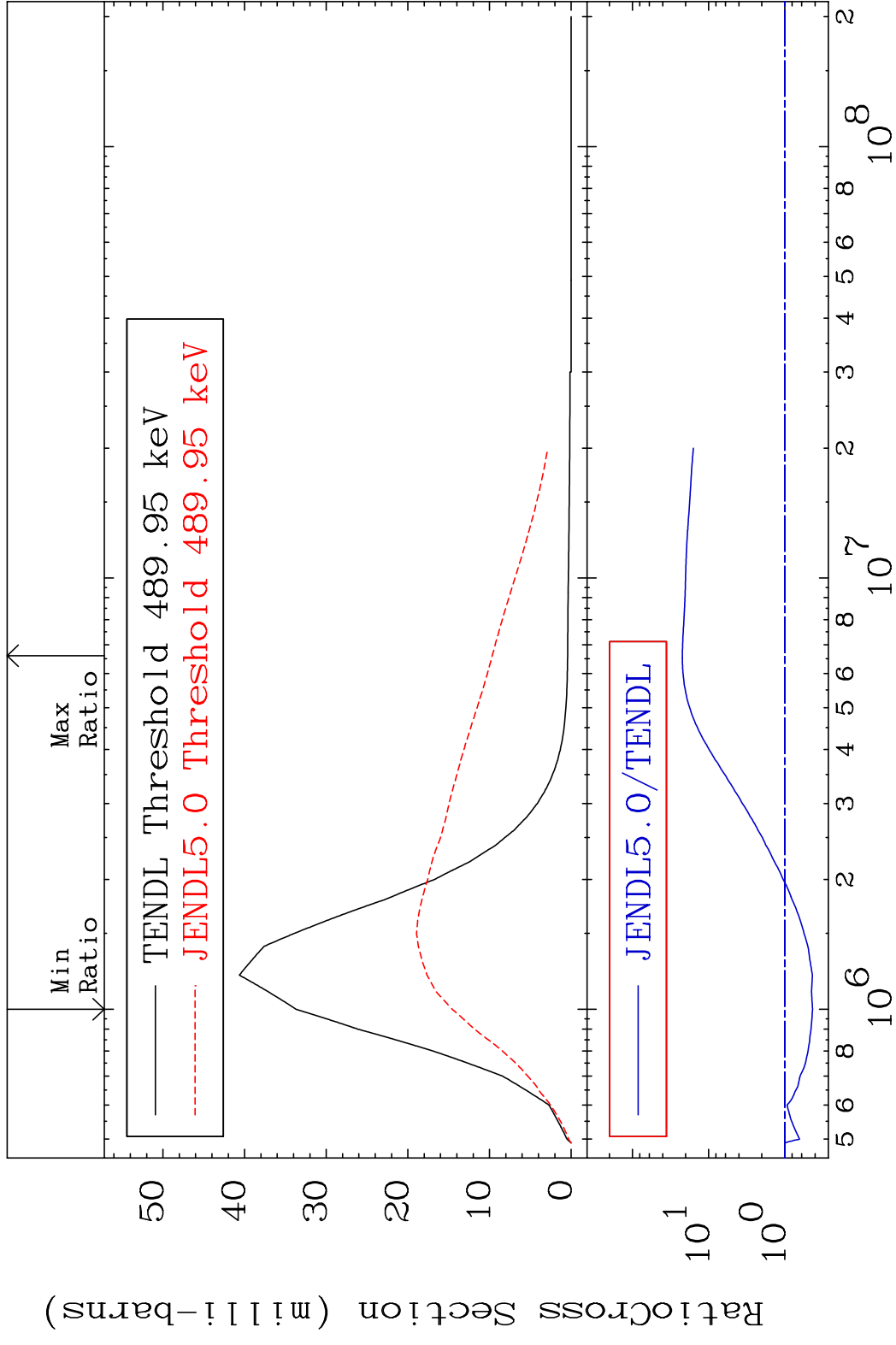
MAT 6161 MT= 60 (n,n') Level 61-Pm-151
 Cross Section -44.14 To 1237. %



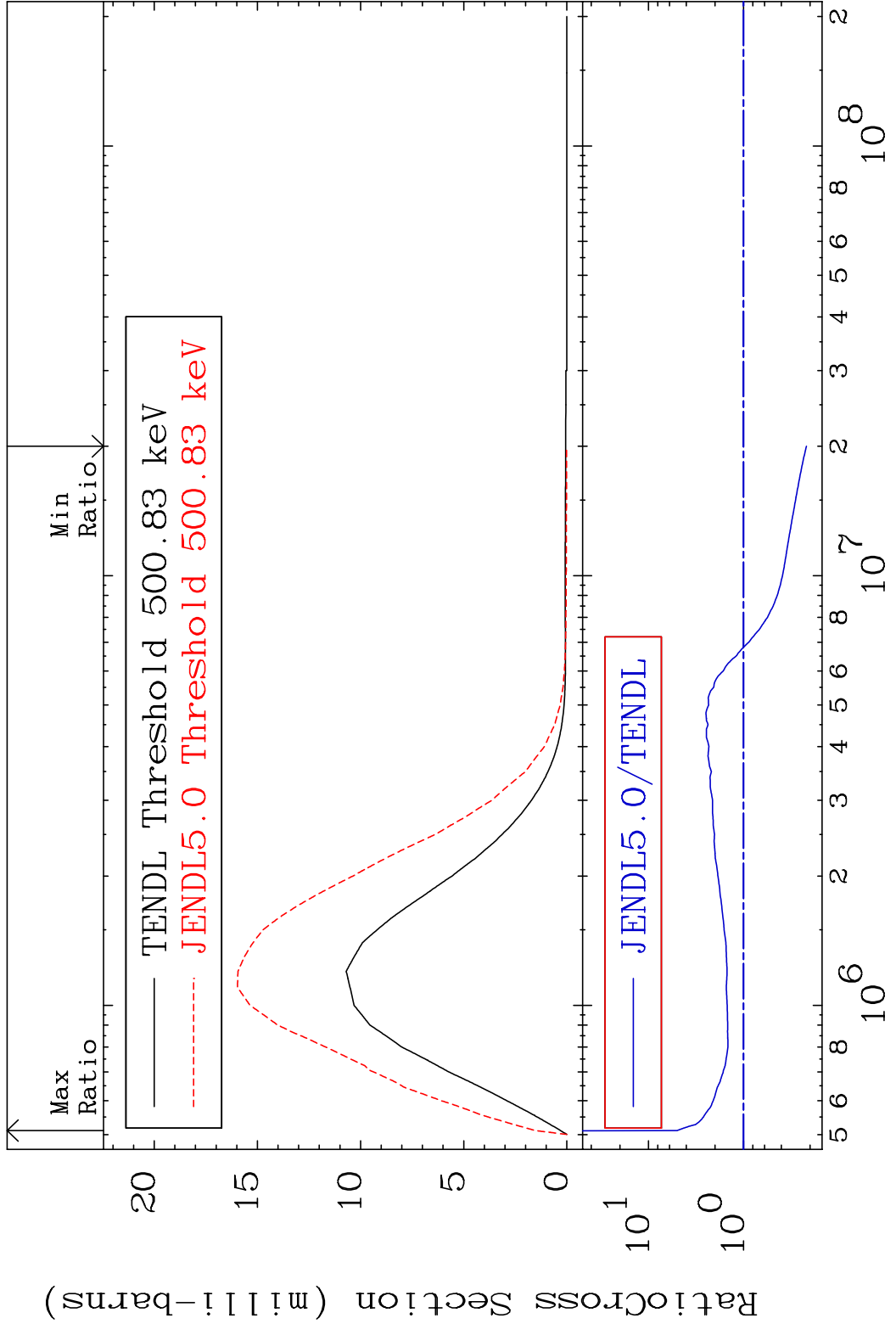
MAT 6161 MT= 61 (n, n') Level 61-Pm-151
 Cross Section -80.57 To 84.22 %



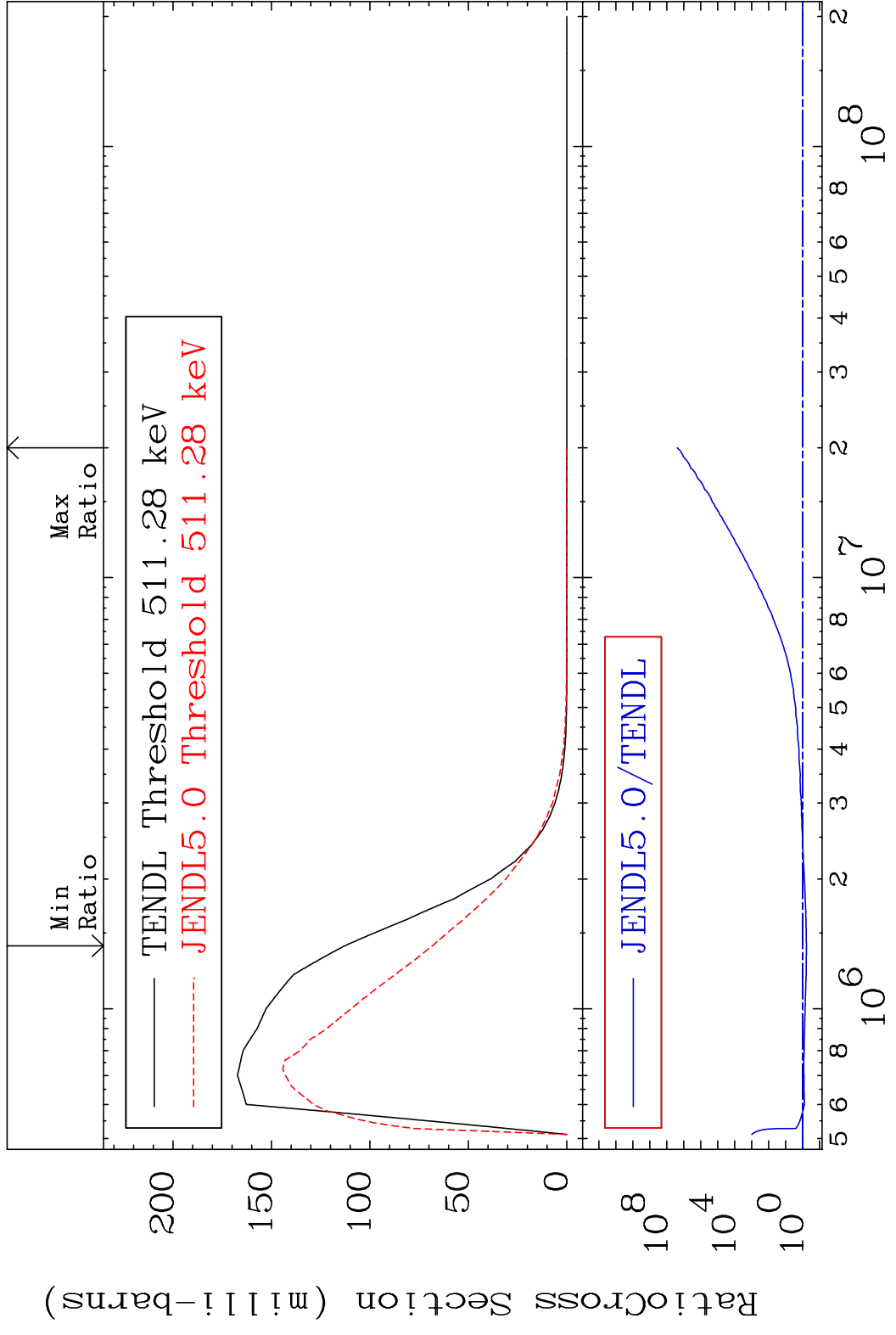
MAT 6161 MT= 62 (n, n') Level 61-Pm-151
 Cross Section -56.75 To 2107. %



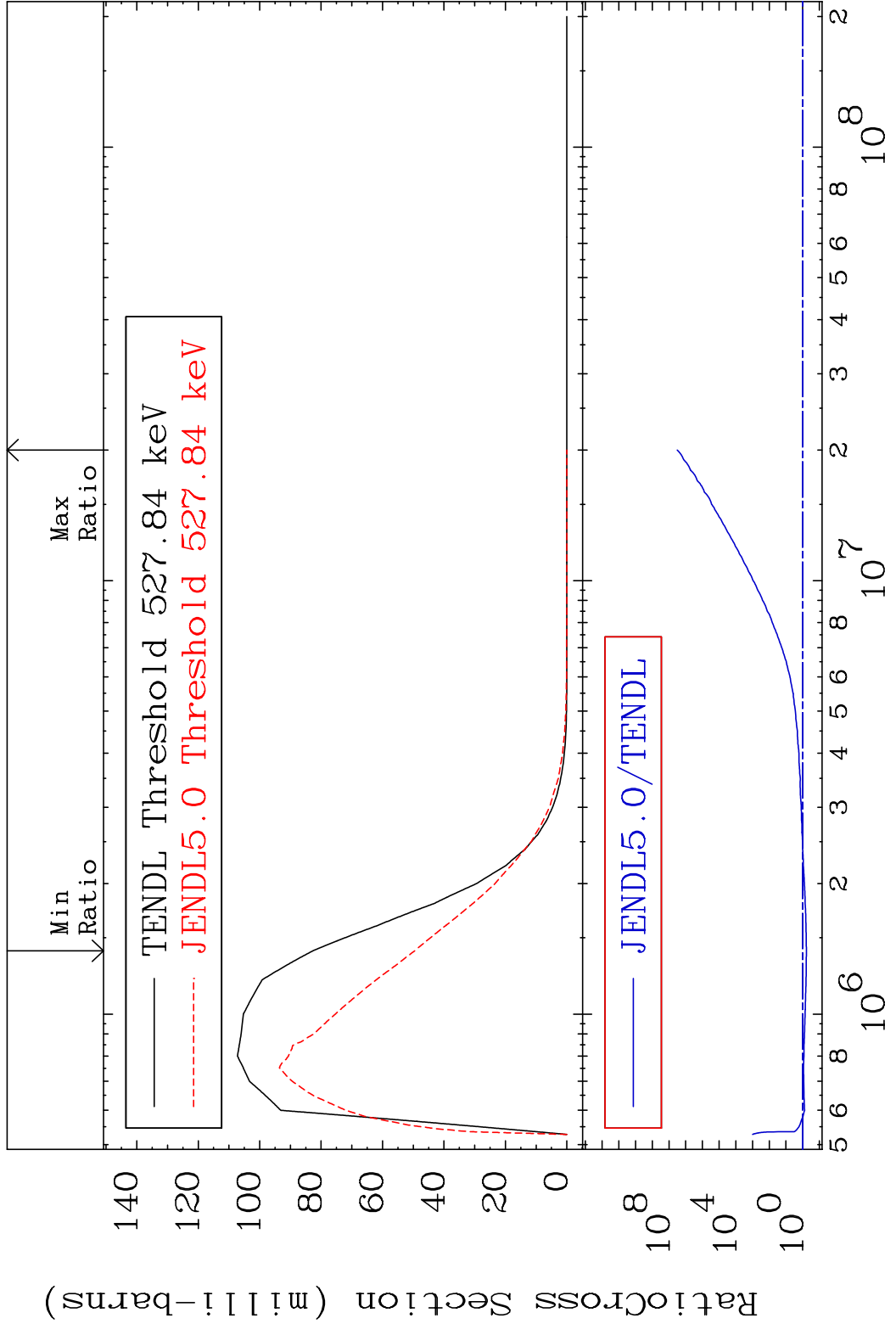
MAT 6161 MT= 63 (n, n') Level 61-Pm-151
 Cross Section -78.17 To 399.6 %



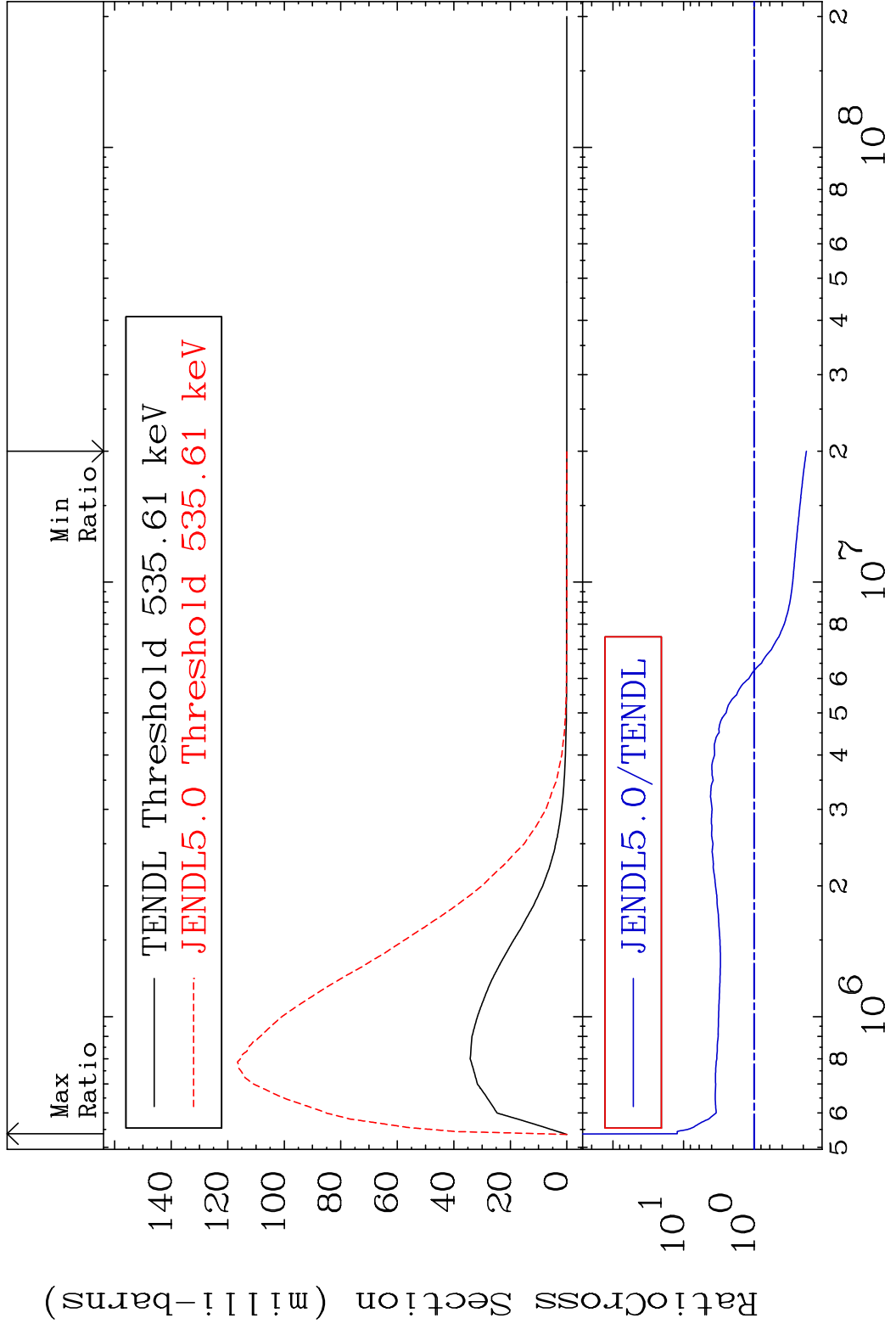
MAT 6161 MT= 64 (n, n') Level 61-Pm-151
 Cross Section -39.46 To 9999. %



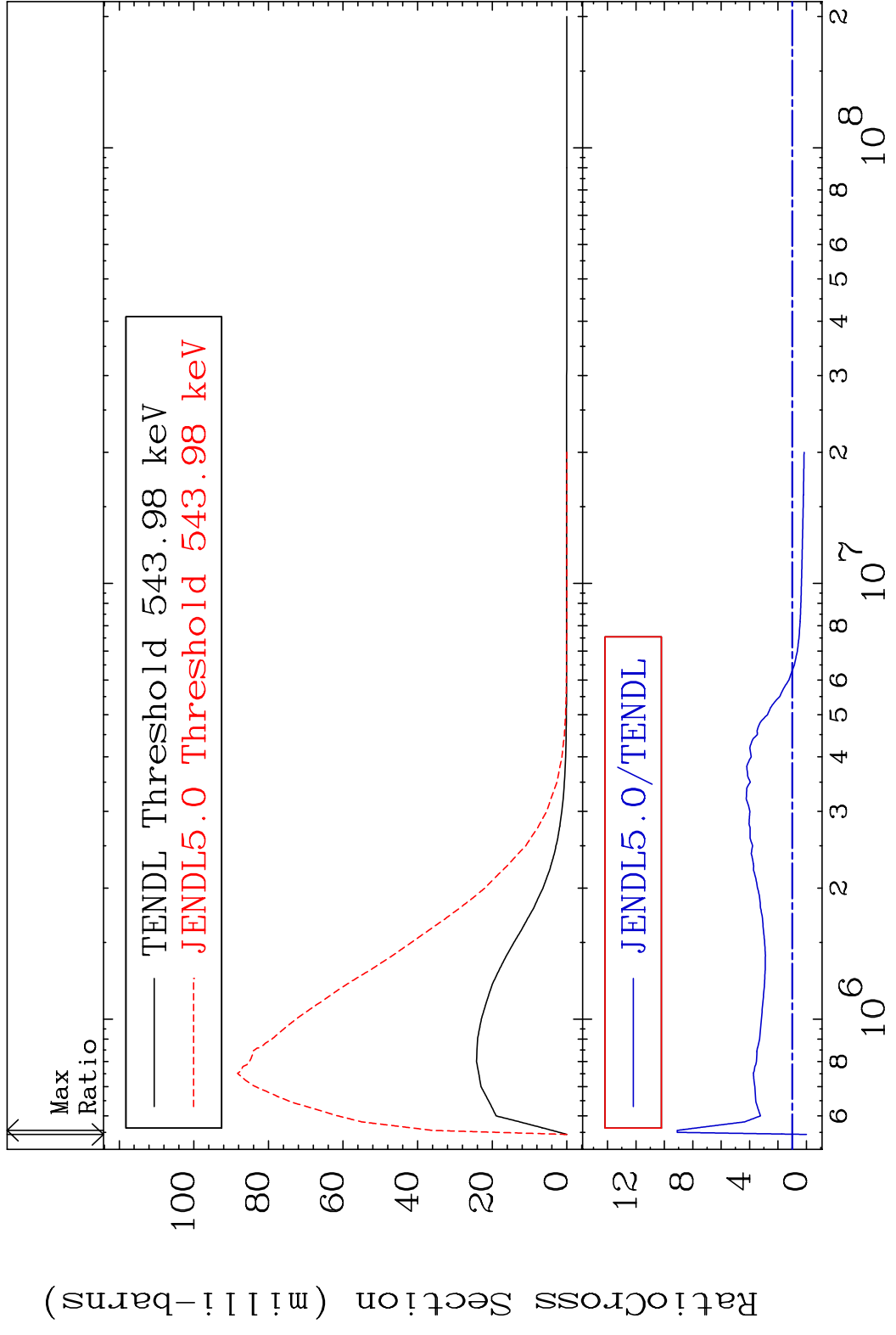
MAT 6161 MT= 65 (n, n') Level 61-Pm-151
 Cross Section -40.11 To 9999. %



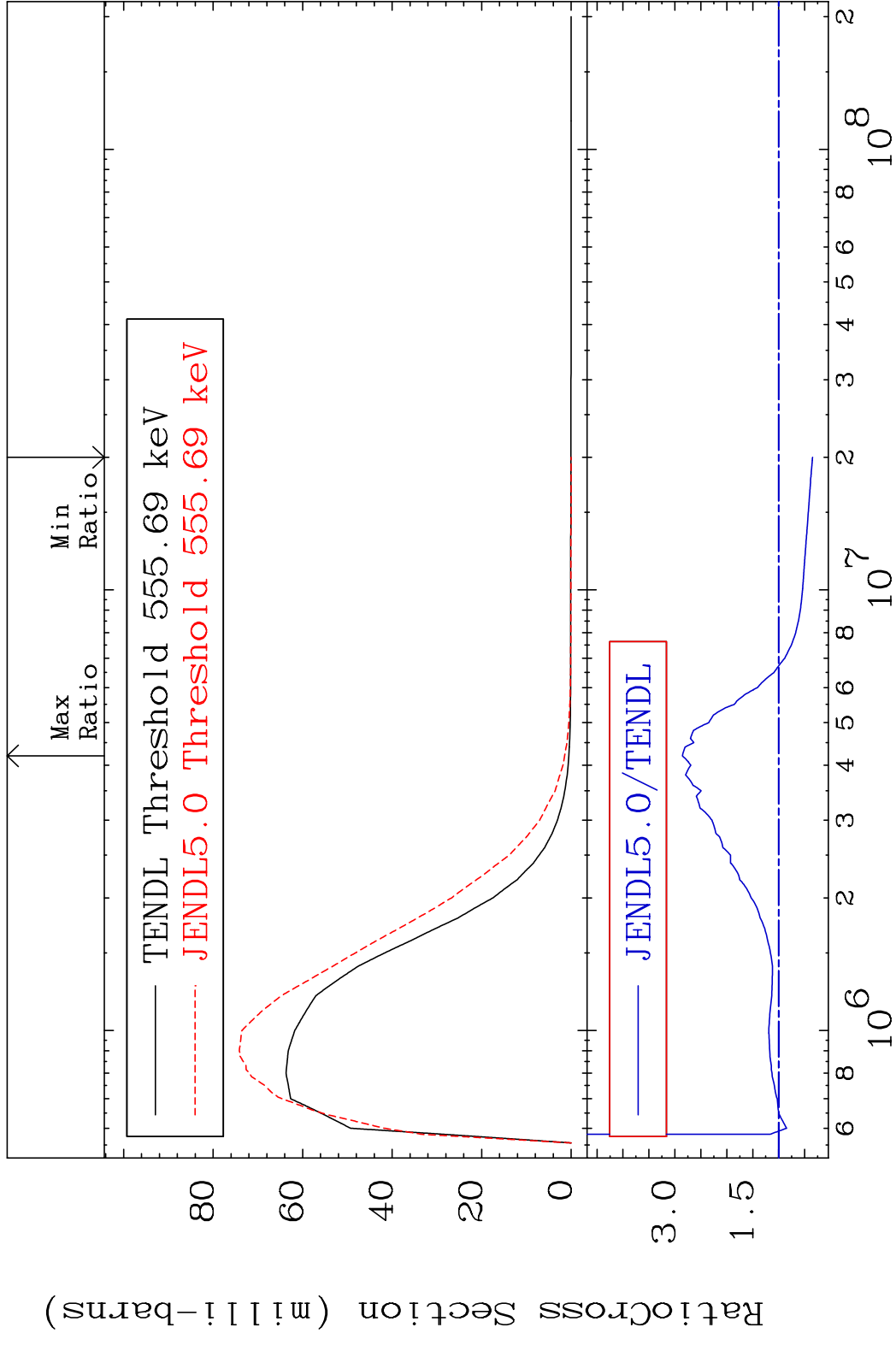
MAT 6161 MT= 66 (n, n') Level 61-Pm-151
 Cross Section -81.88 To 1128. %



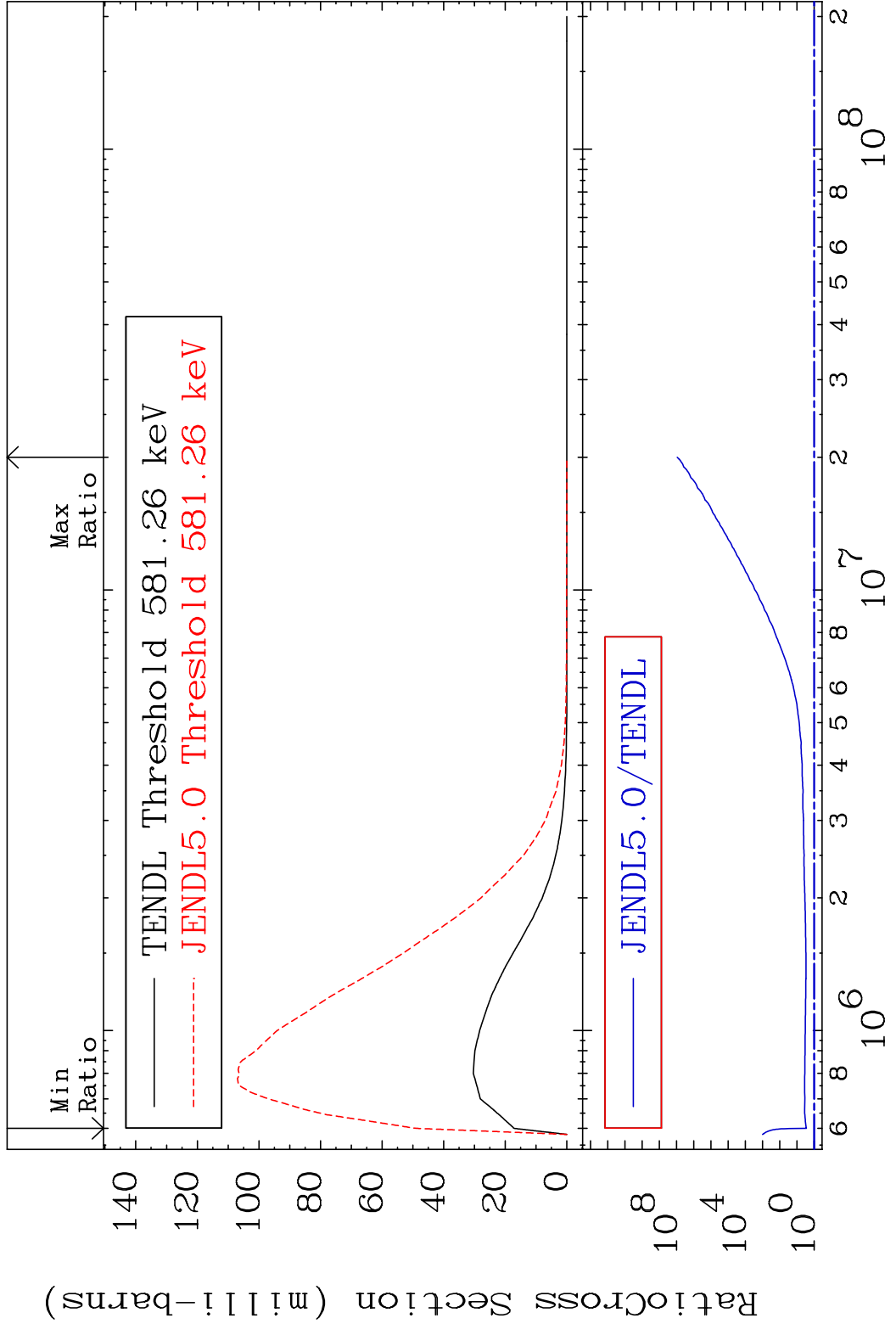
MAT 6161 MT= 67 (n, n') Level 61-Pm-151
 Cross Section -100.0 To 810.0 %



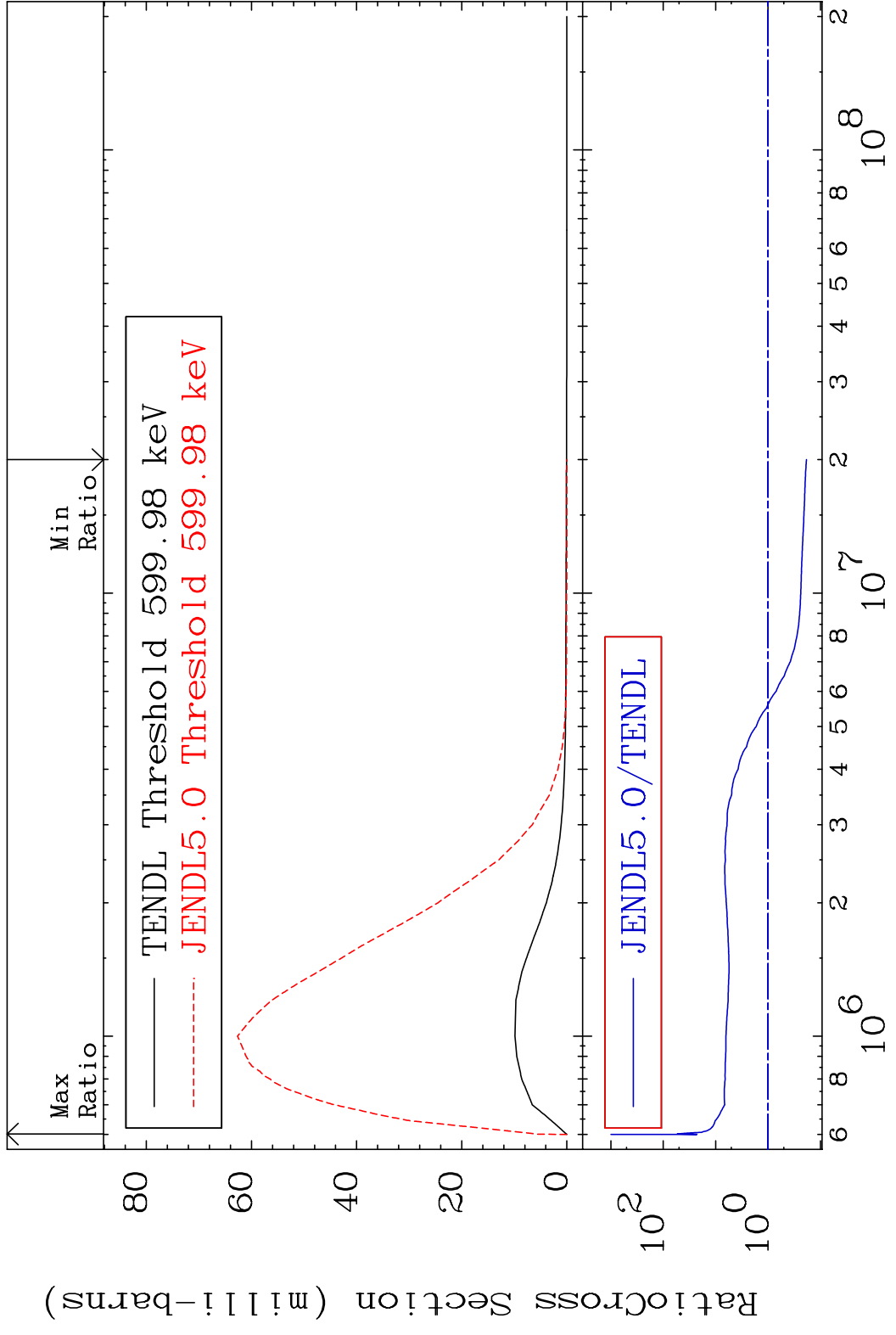
MAT 6161 MT= 68 (n, n') Level 61-Pm-151
 Cross Section -65.21 To 185.6 %



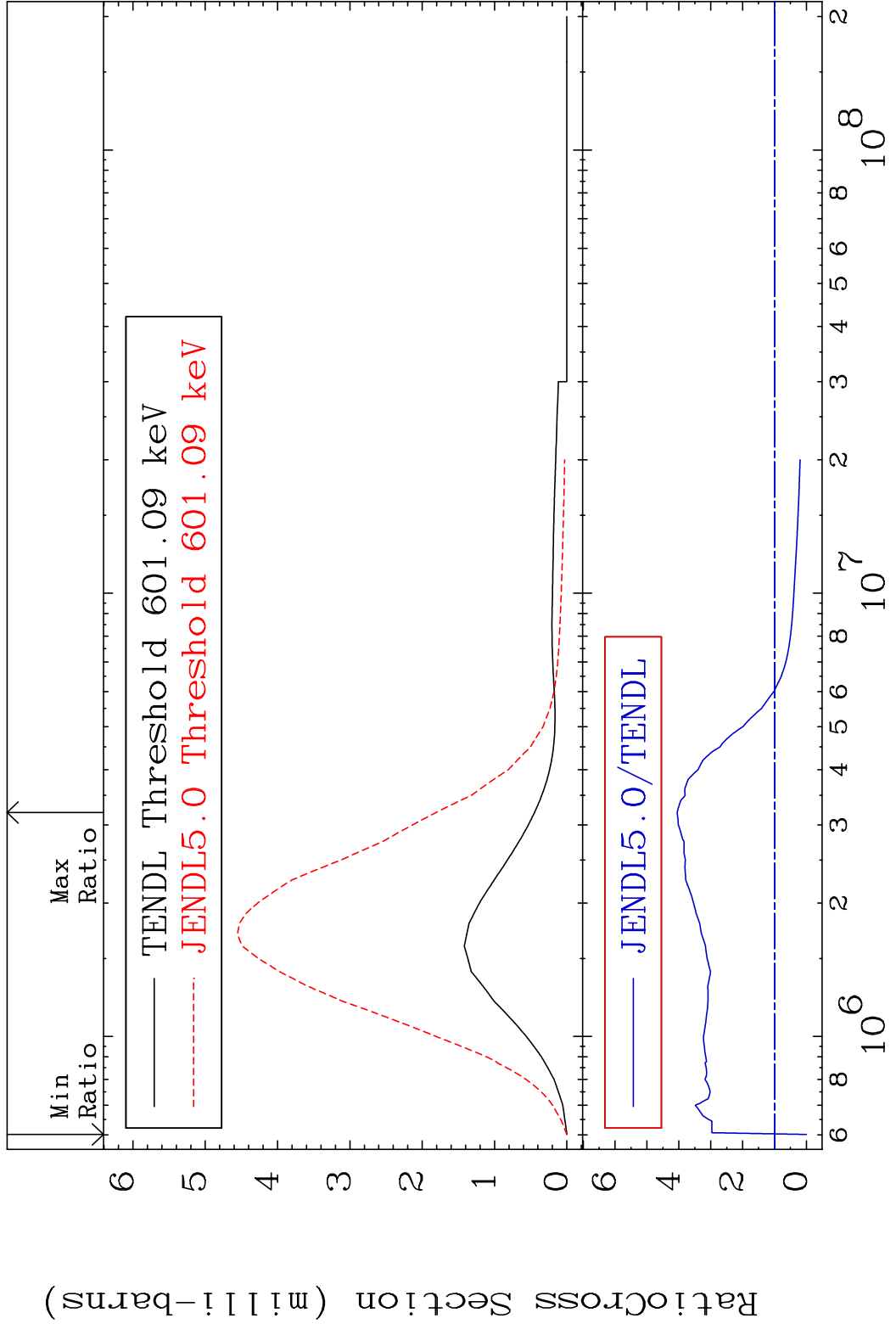
MAT 6161 MT= 69 (n, n') Level 61-Pm-151
 Cross Section 184.3 To 9999. %



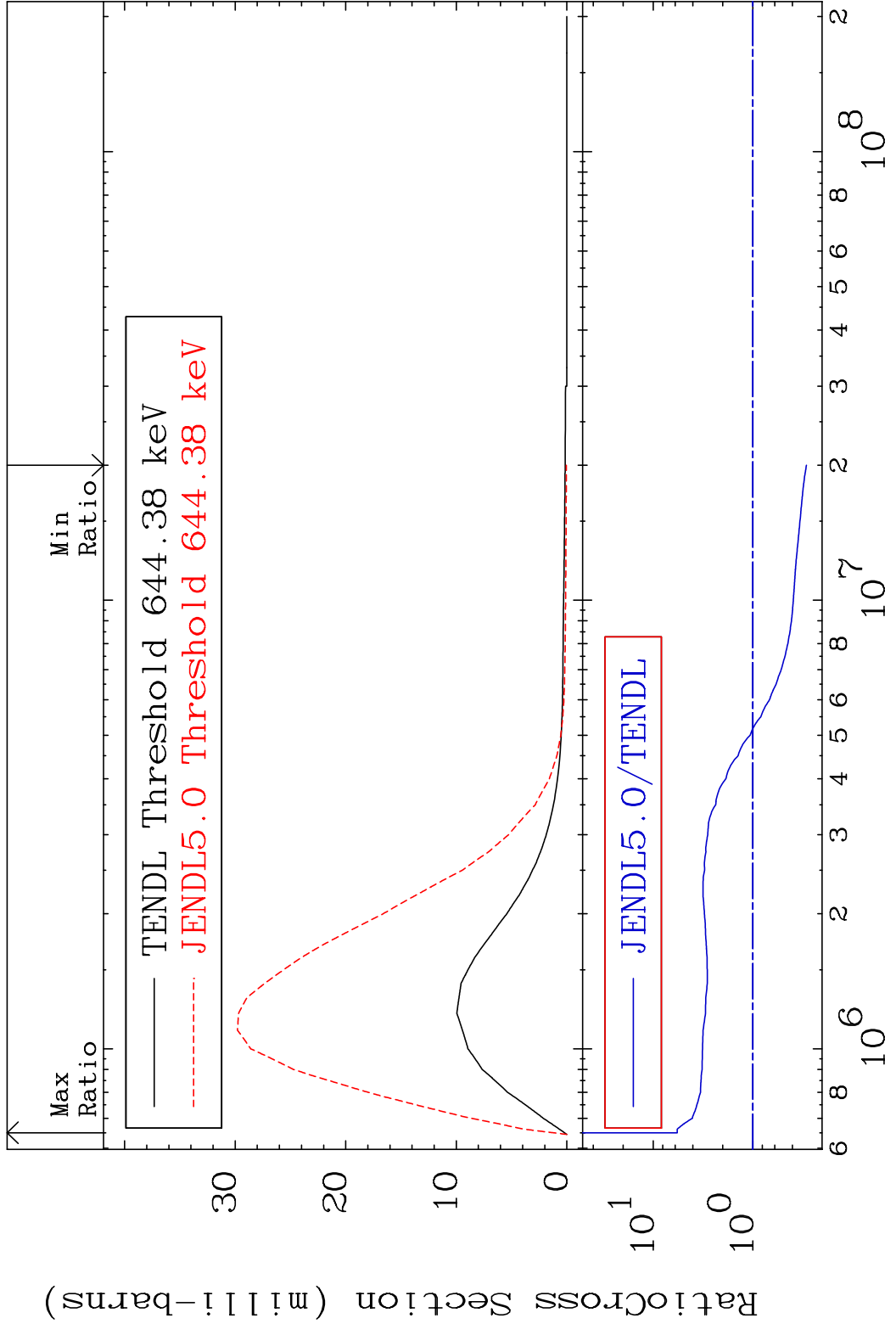
MAT 6161 MT= 70 (n,n') Level 61-Pm-151
 Cross Section -81.49 To 5315. %



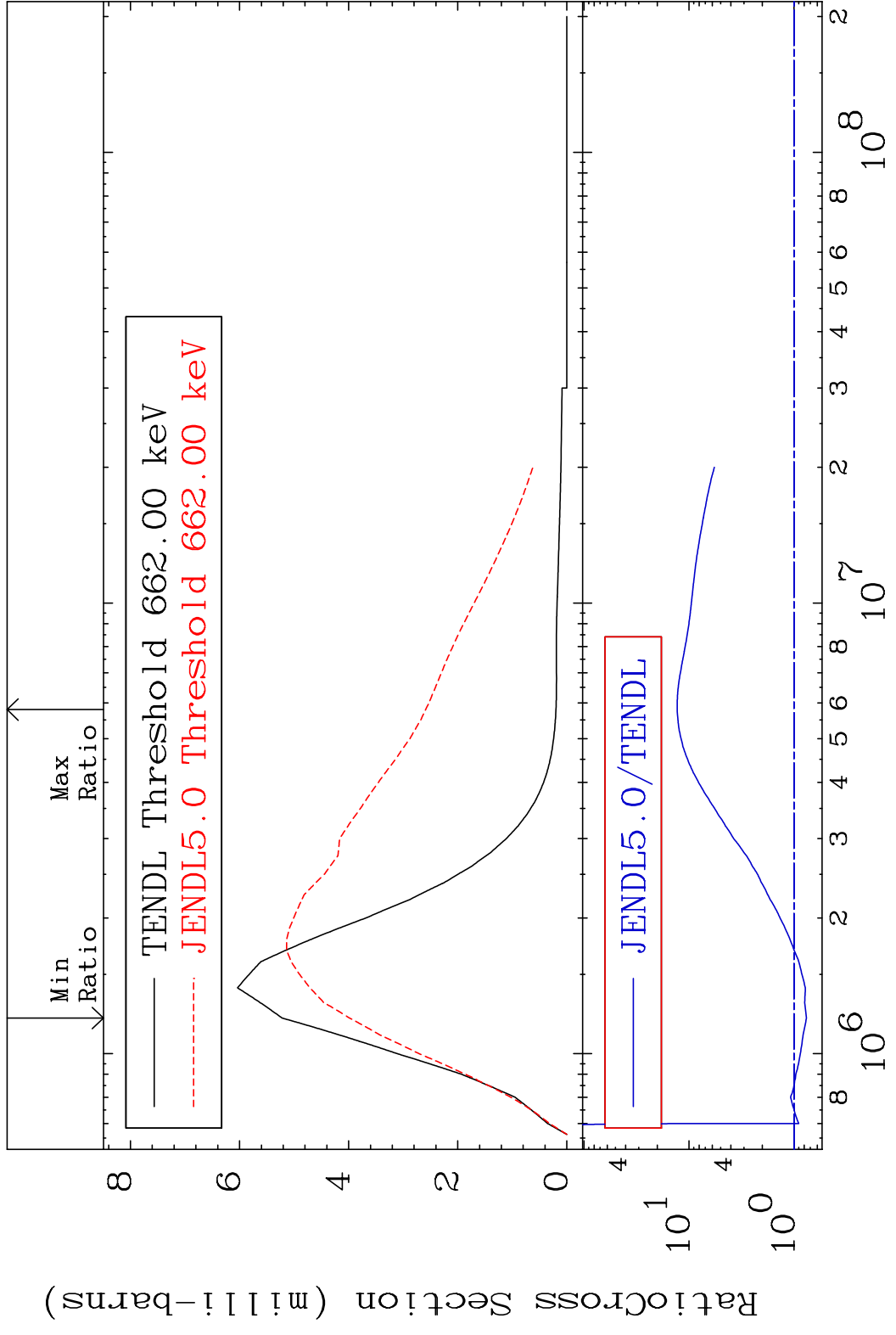
MAT 6161 MT= 71 (n, n') Level 61-Pm-151
 Cross Section -100.0 To 305.2 %



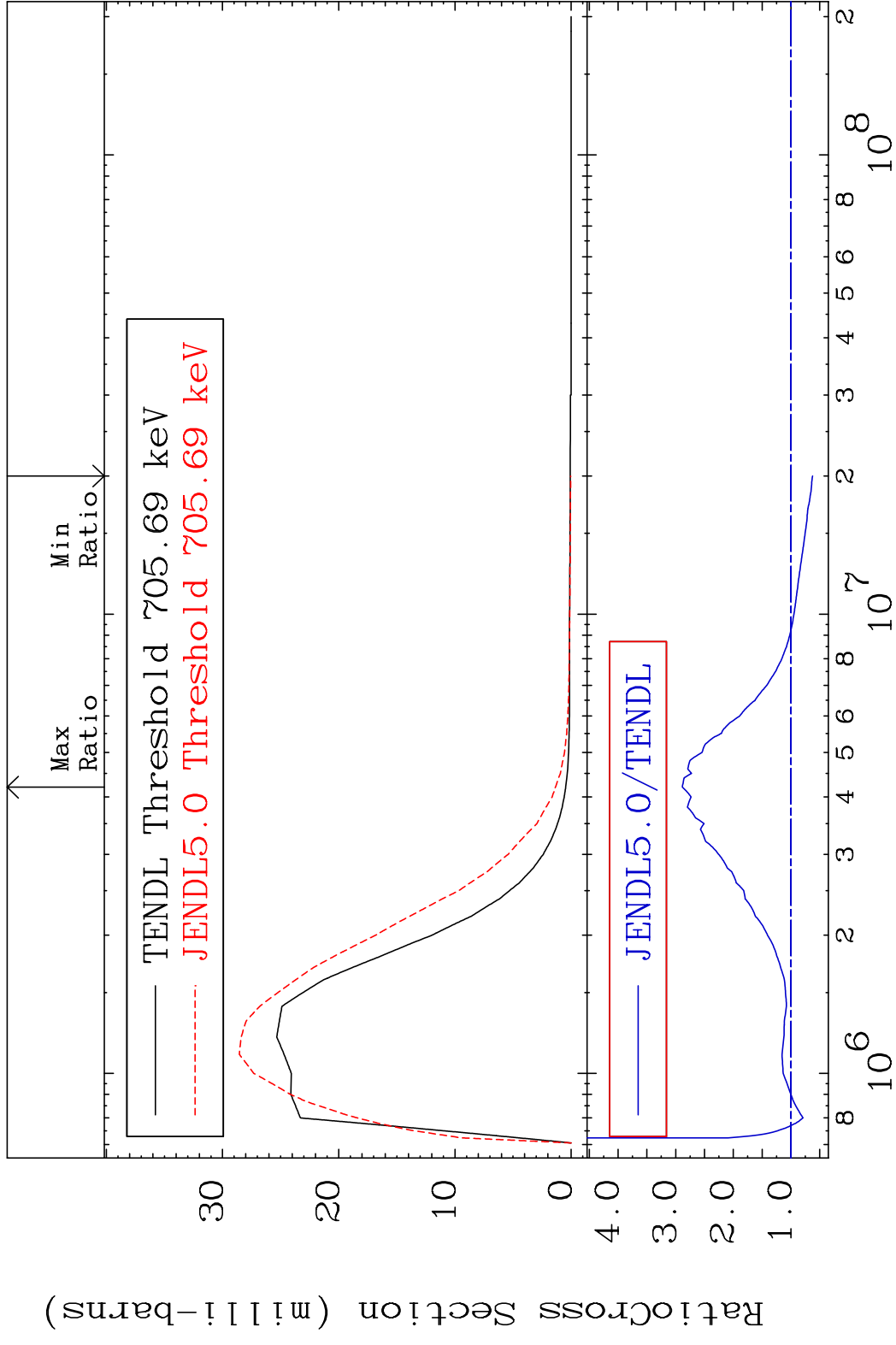
MAT 6161 MT= 72 (n, n') Level 61-Pm-151
 Cross Section -71.06 To 474.0 %



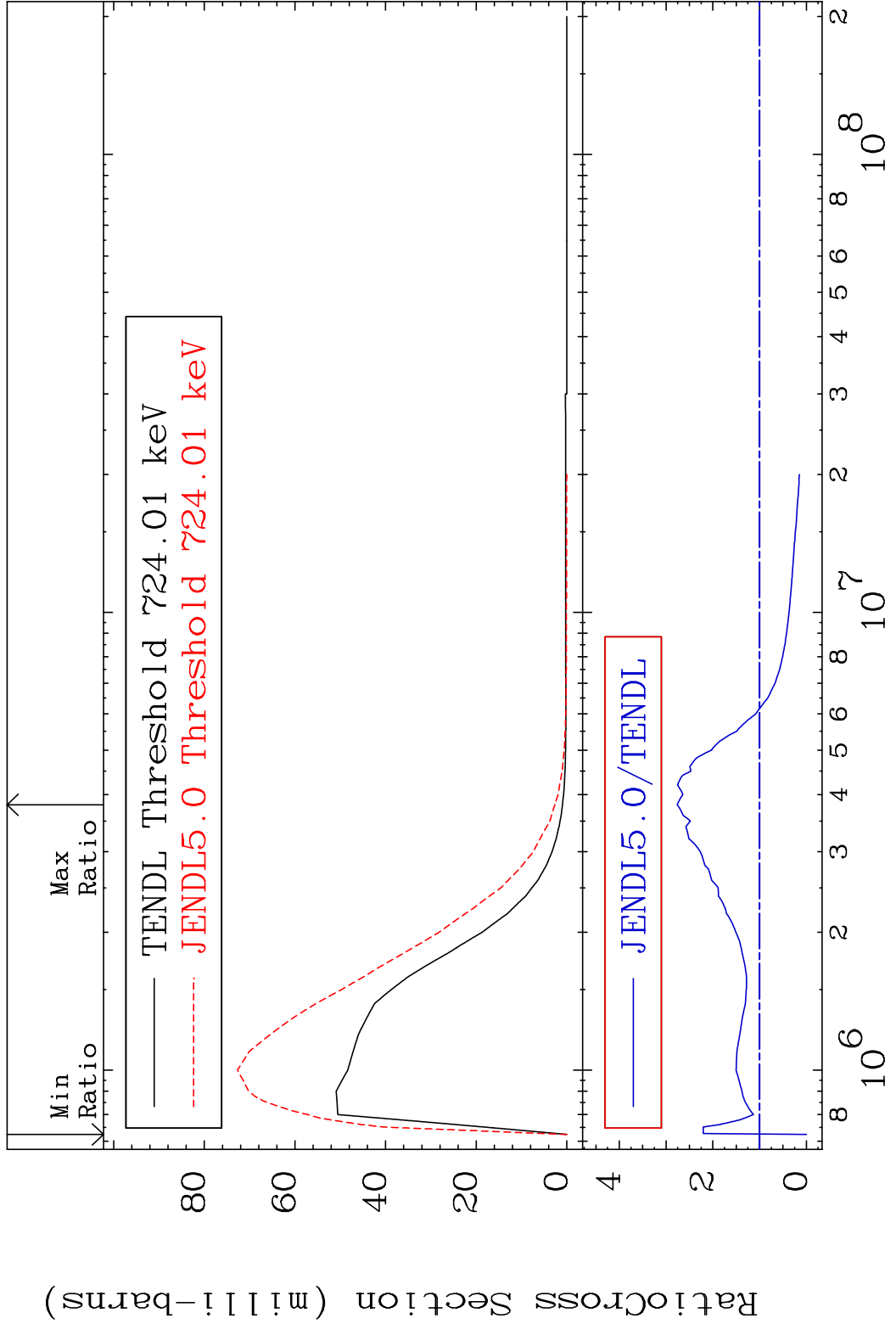
MAT 6161 MT= 73 (n, n') Level 61-Pm-151
 Cross Section -23.70 To 1194. %



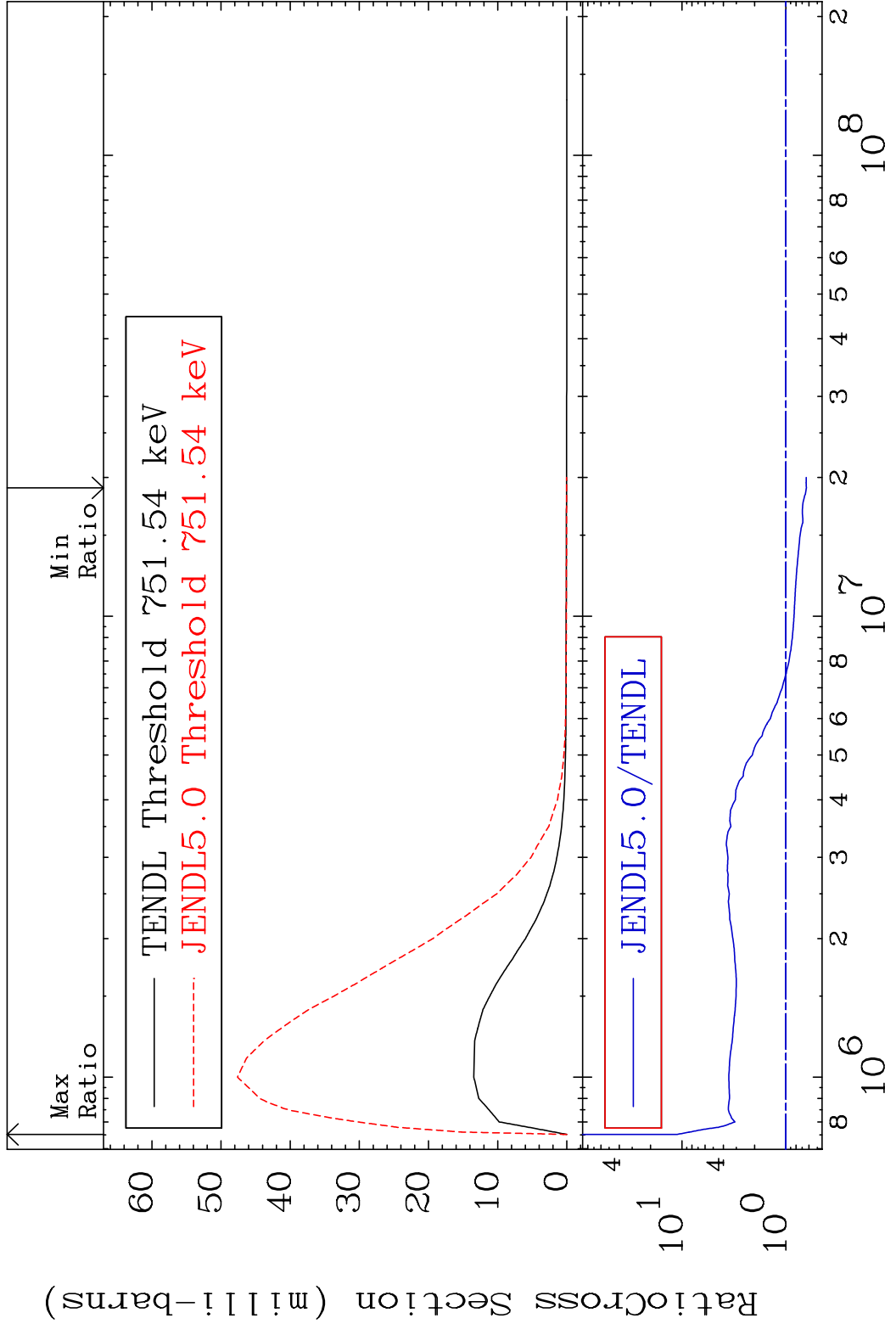
MAT 6161 MT= 74 (n, n') Level 61-Pm-151
 Cross Section -37.54 To 188.4 %



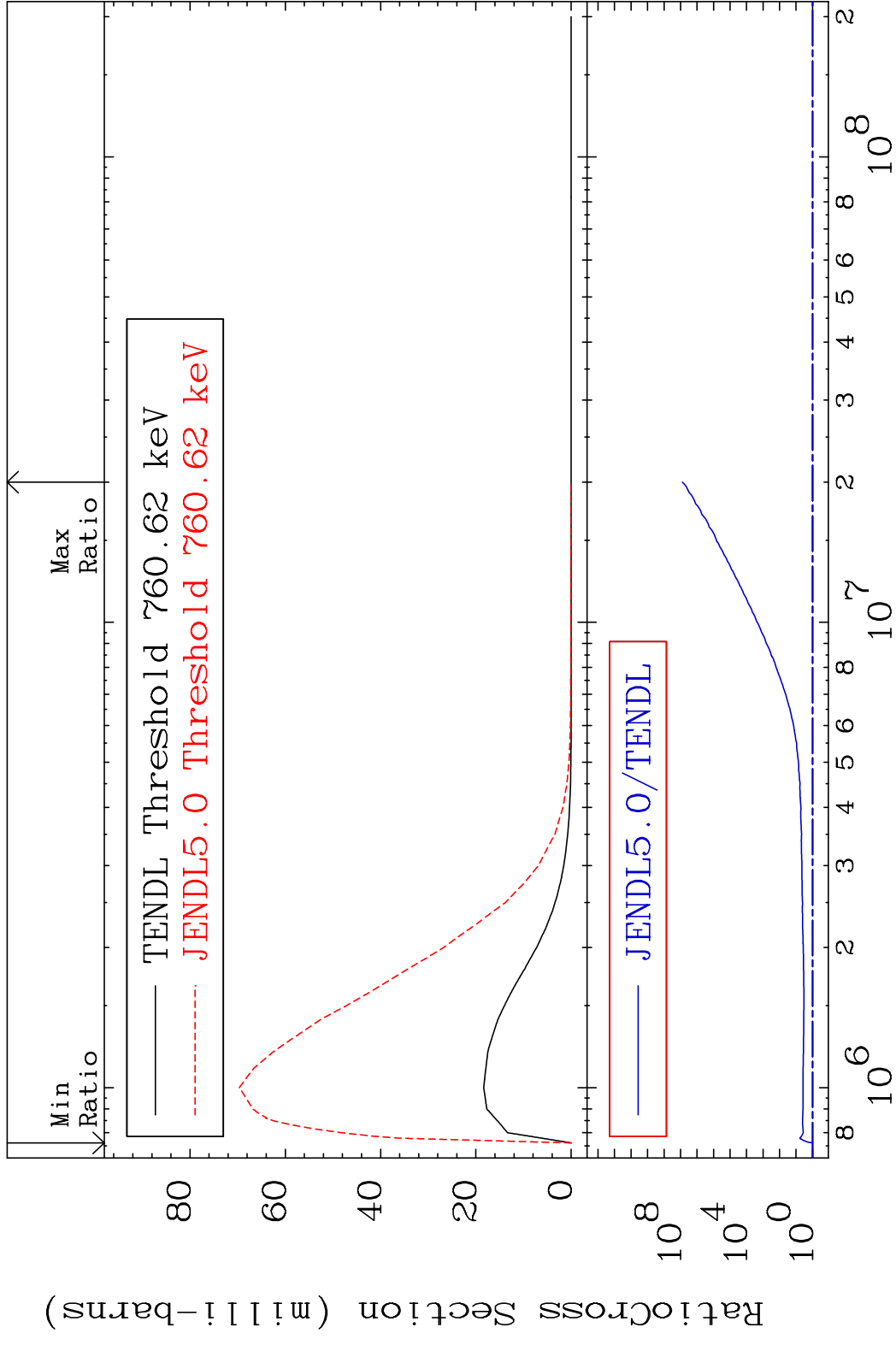
MAT 6161 MT= 75 (n,n') Level 61-Pm-151
 Cross Section -100.0 To 176.2 %



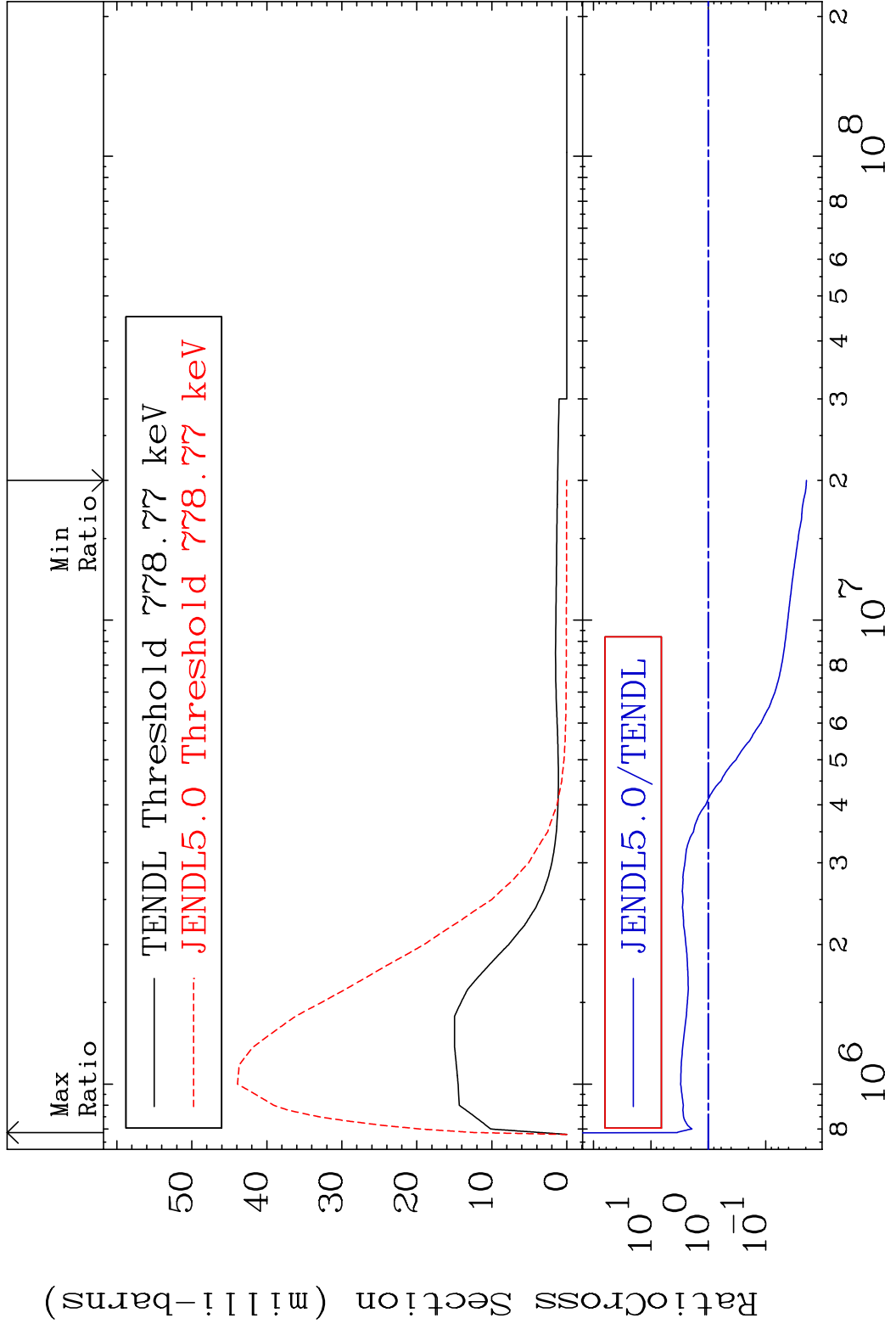
MAT 6161 MT= 76 (n, n') Level 61-Pm-151
 Cross Section -36.43 To 1009. %



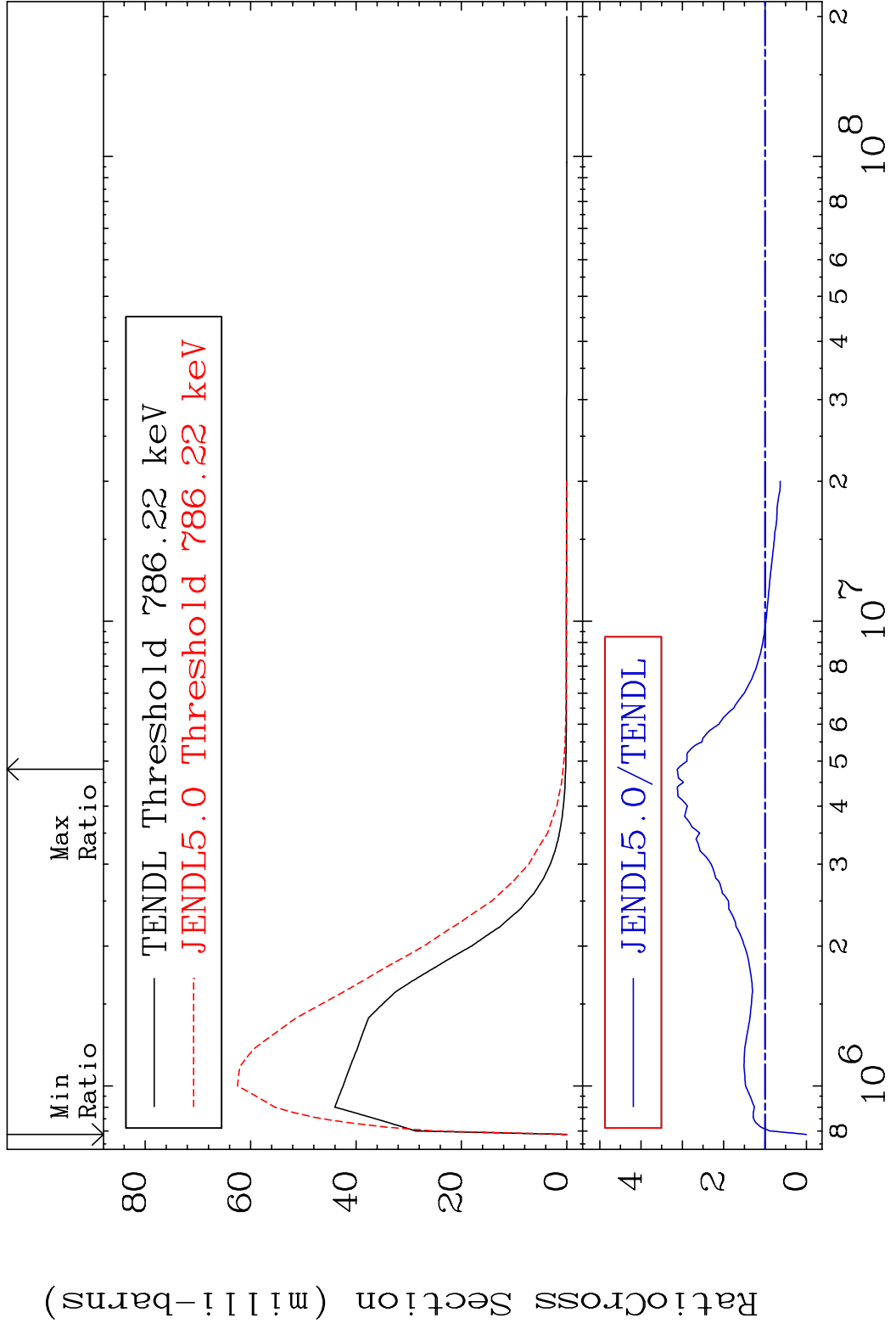
MAT 6161 MT= 77 (n, n') Level 61-Pm-151
 Cross Section 0.000 To 9999. %



MAT 6161 MT= 78 (n, n') Level 61-Pm-151
 Cross Section -98.04 To 248.2 %

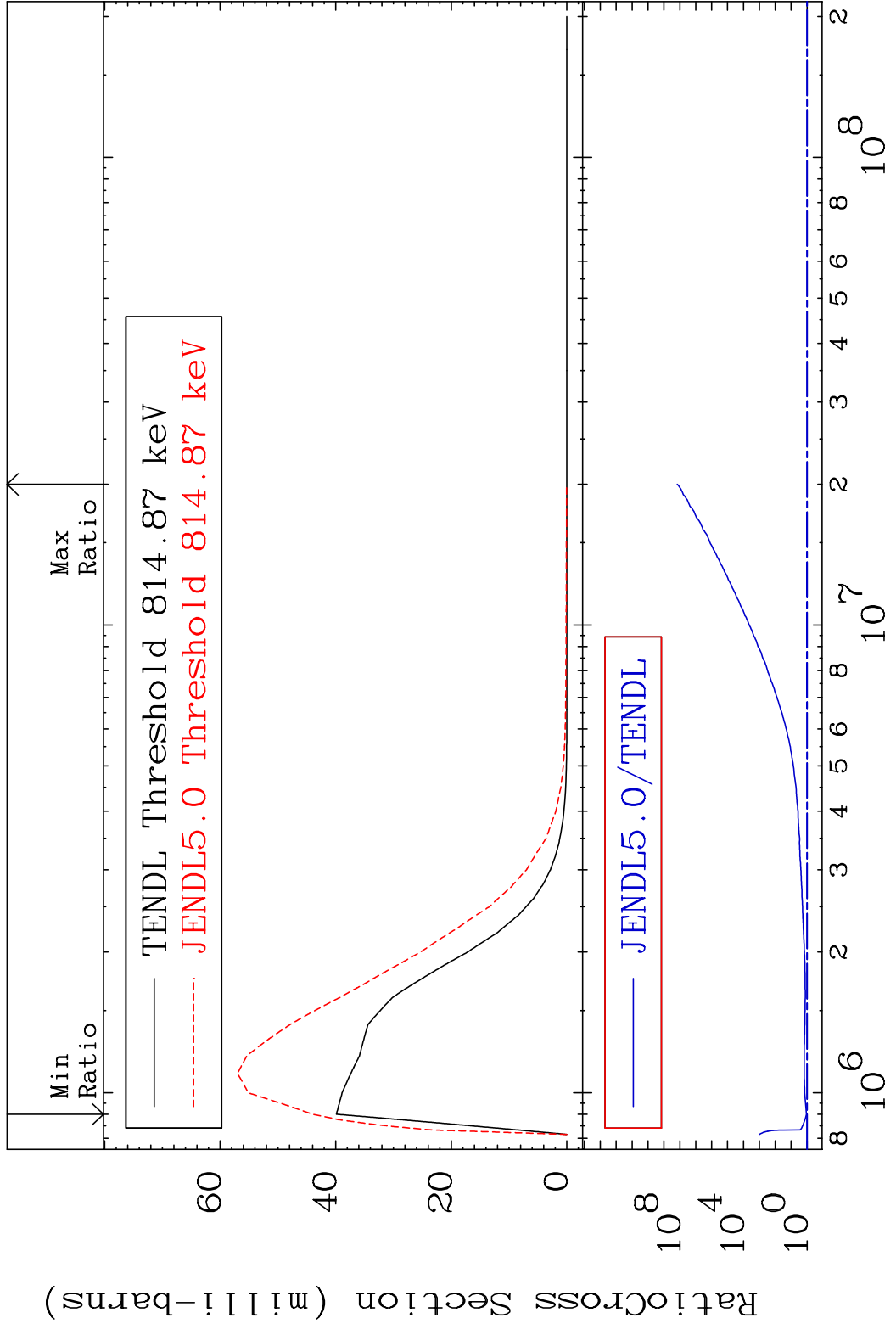


MAT 6161 MT= 79 (n, n') Level 61-Pm-151
 Cross Section -100.0 To 212.6 %



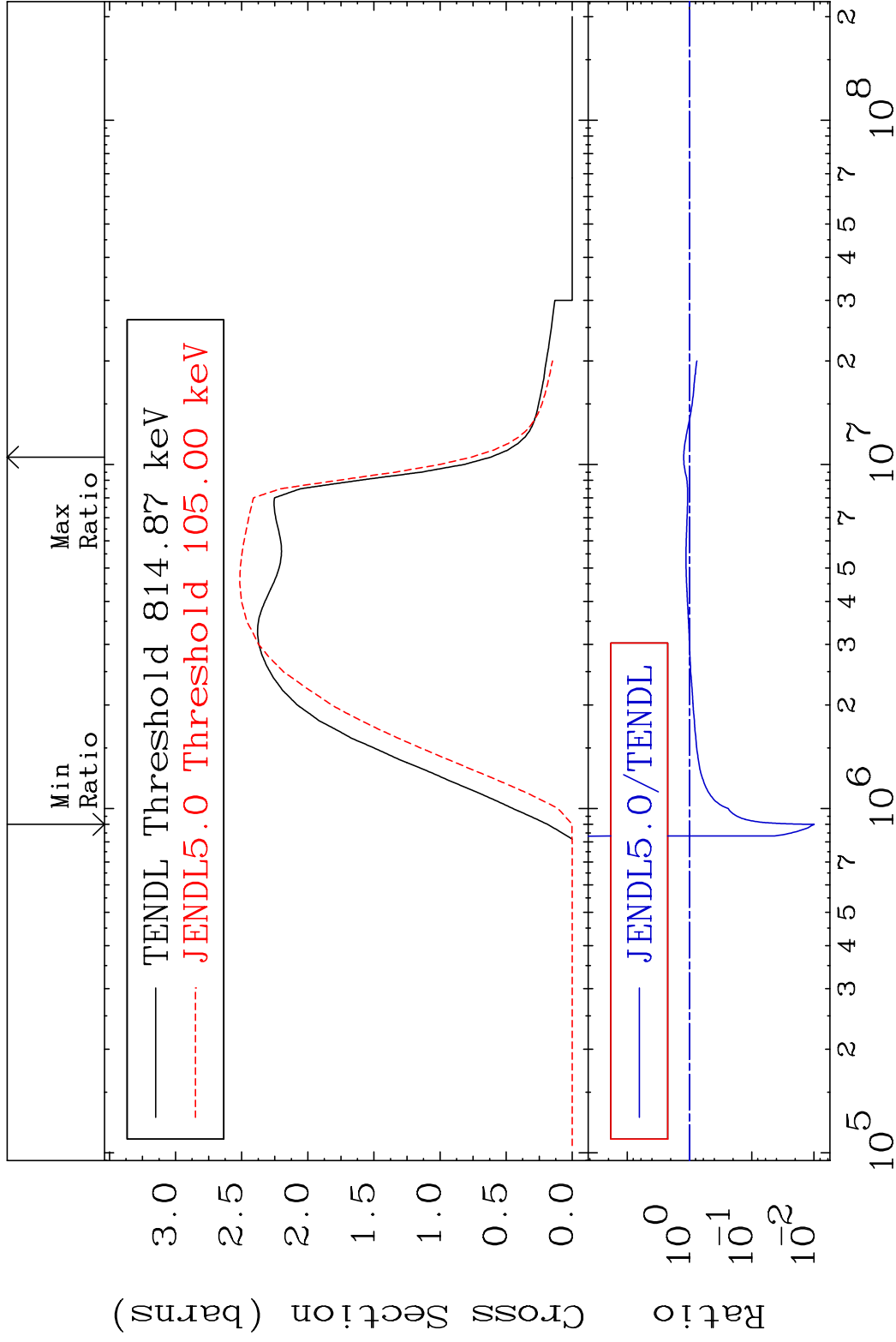
40 Incident Energy (eV) 61-Pm-151

MAT 6161 MT= 80 (n, n') Level 61-Pm-151
 Cross Section 10.27 To 9999. %



MAT 6161

(n, n') Continuum 61-Pm-151
Cross Section -99.01 To 23.84 %



42

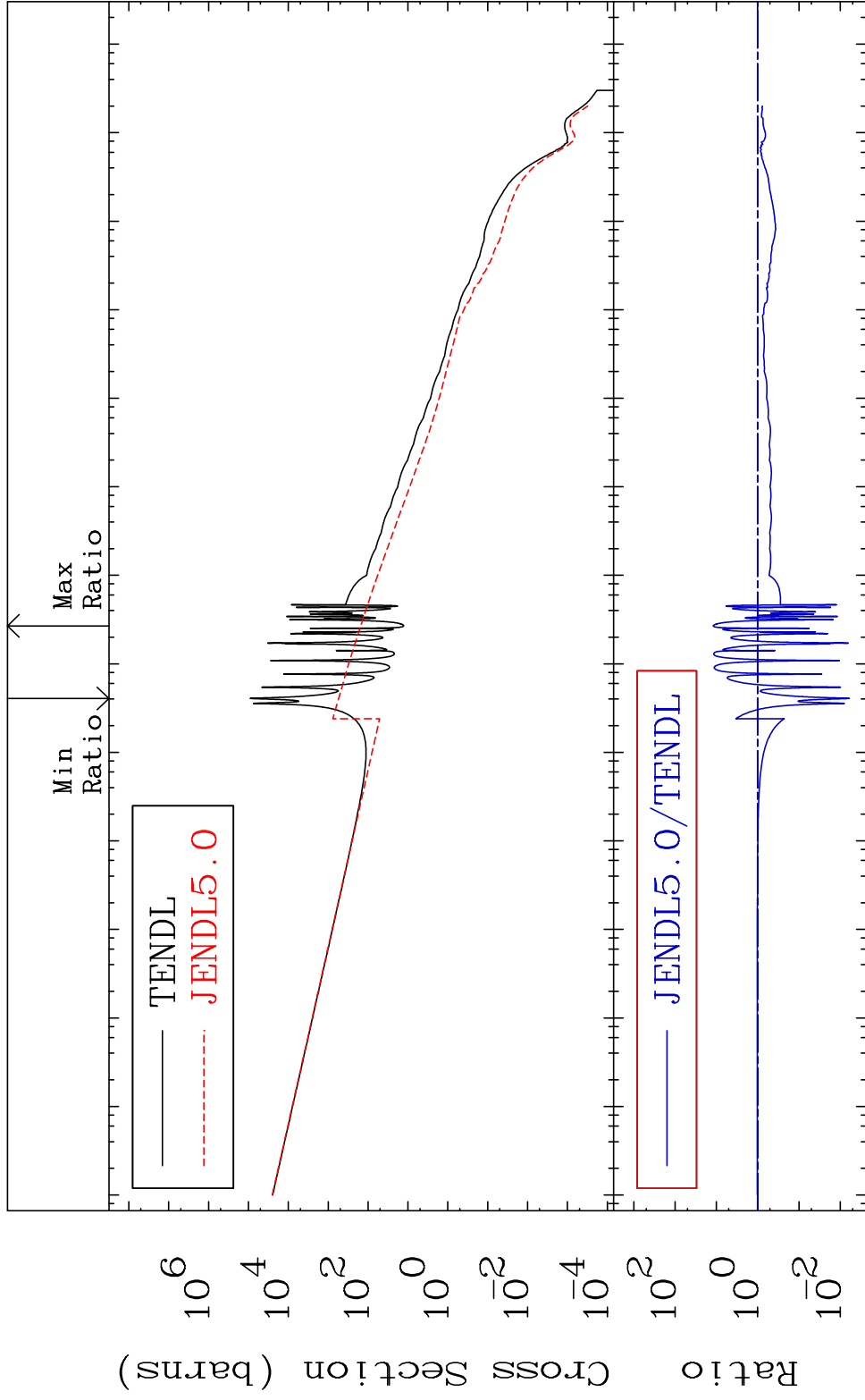
Incident Energy (eV)

61-Pm-151

MAT 6161

(n, γ)
Cross Section -99.40 To 1093. %

61-Pm-151



43

Incident Energy (eV)

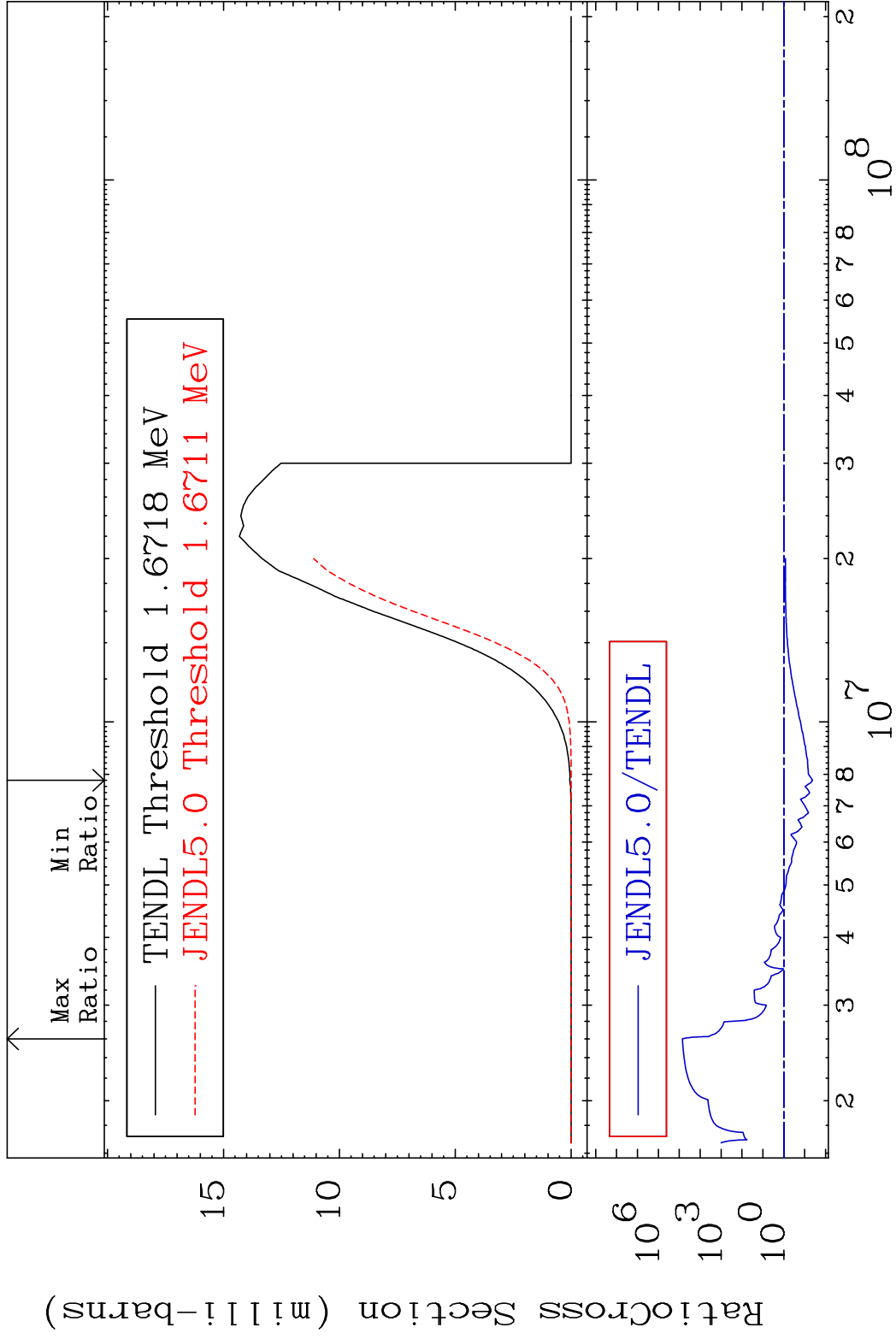
61-Pm-151

MAT 6161

(n,p)

61-Pm-151

Cross Section -95.79 To 9999. %

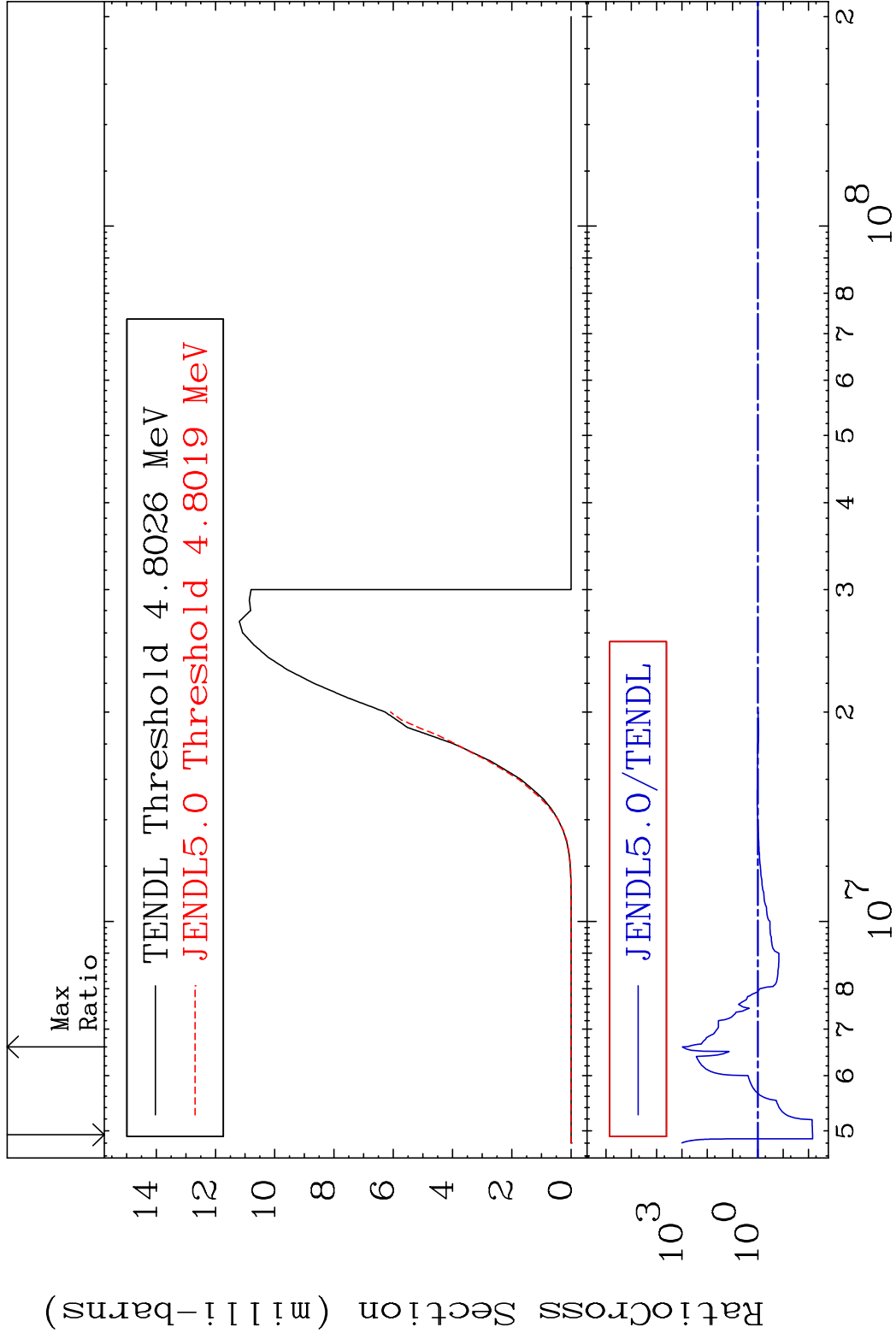


MAT 6161

(n,d)

61-Pm-151

Cross Section -99.31 To 9999. %



45

Incident Energy (eV)

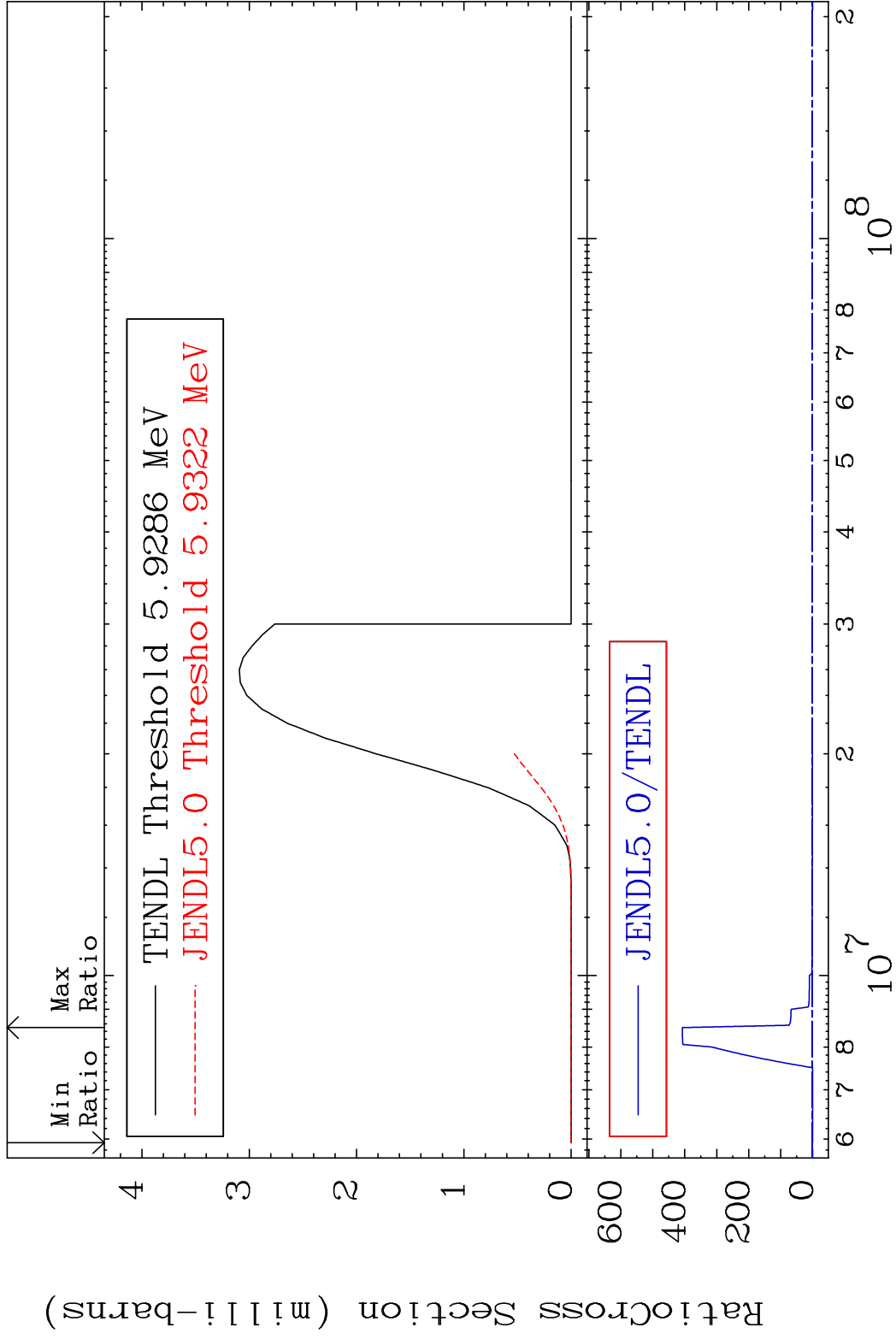
61-Pm-151

MAT 6161

(n, t)

61-Pm-151

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

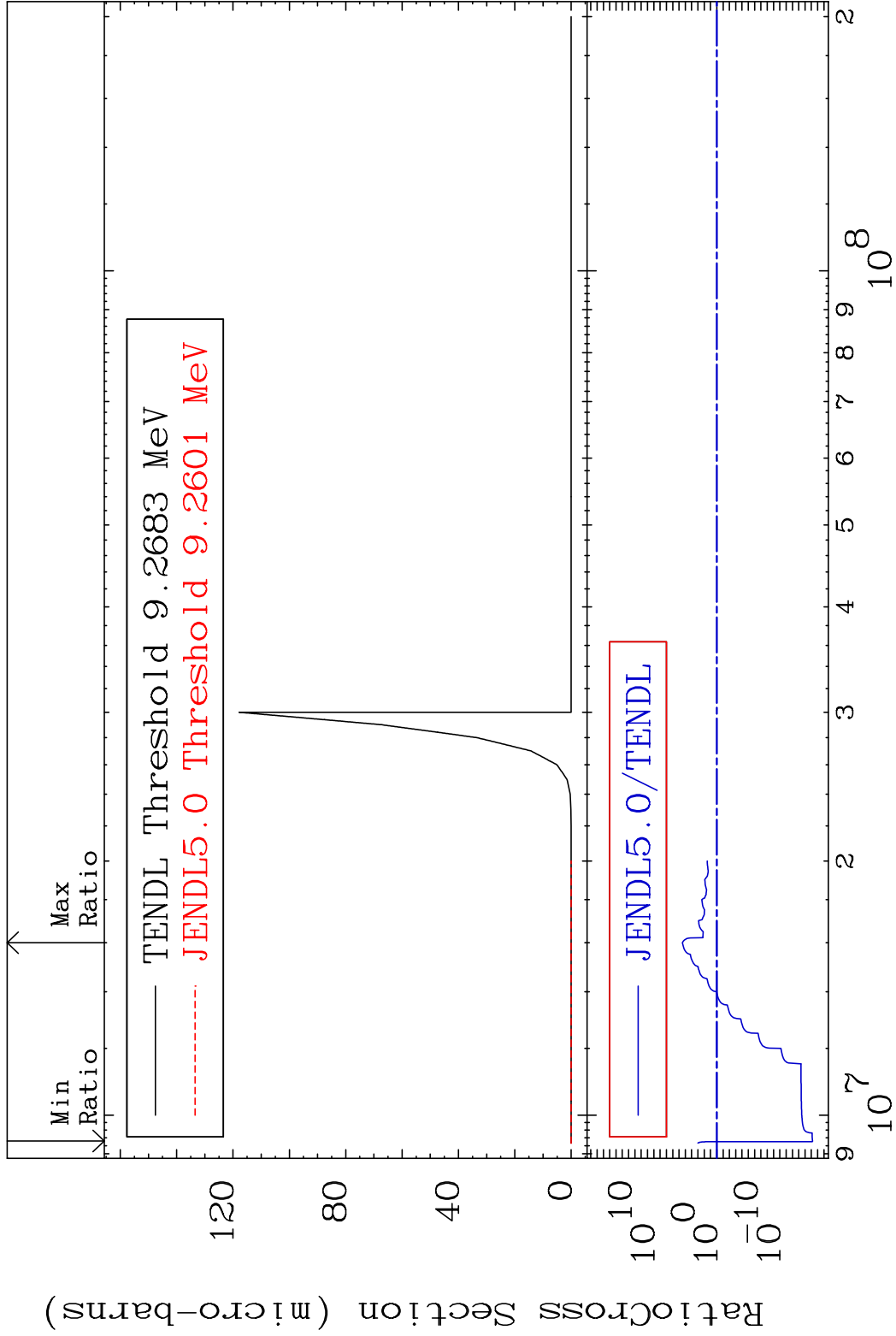
61-Pm-151

MAT 6161

(n, He-3)

61-Pm-151

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

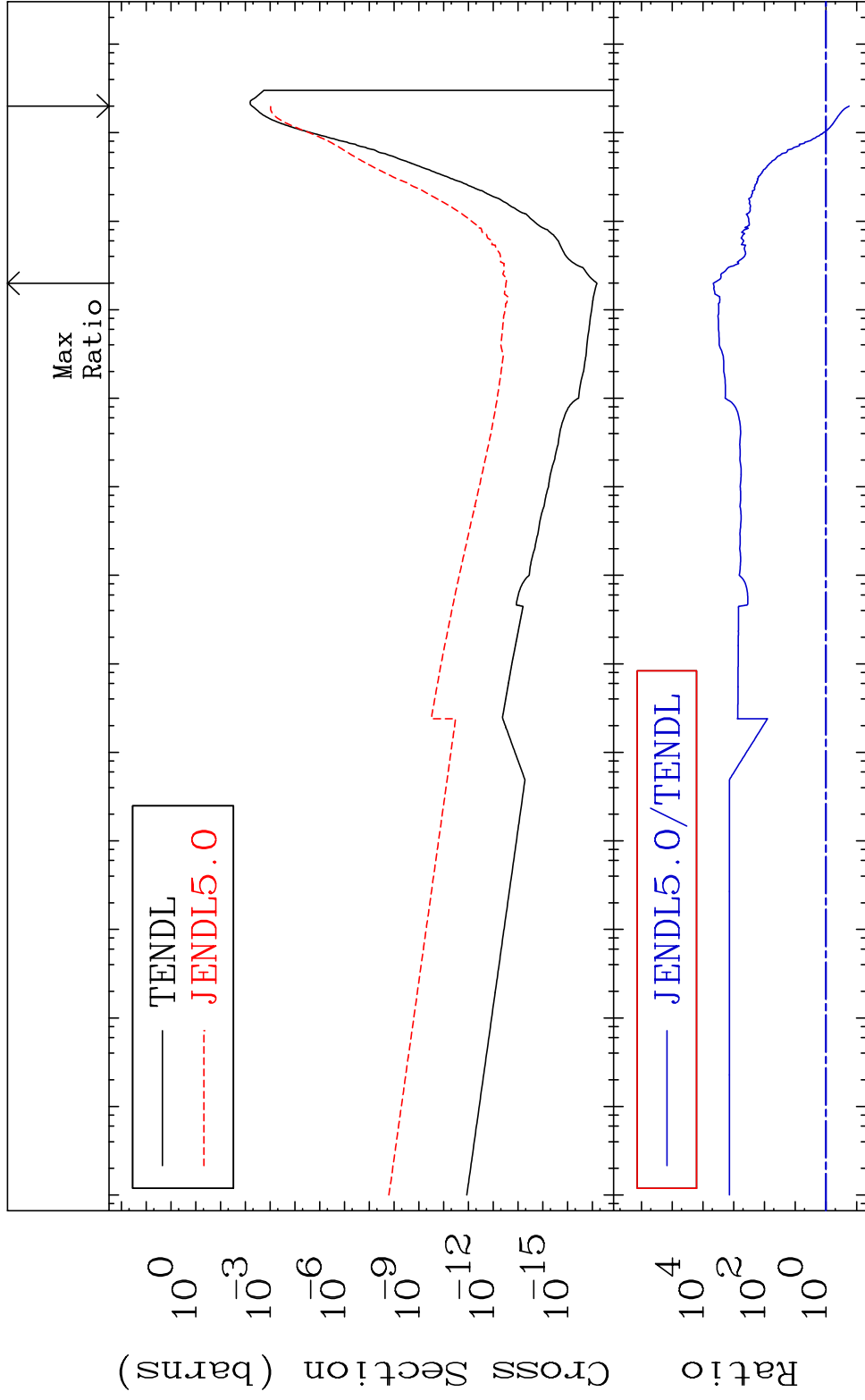
61-Pm-151

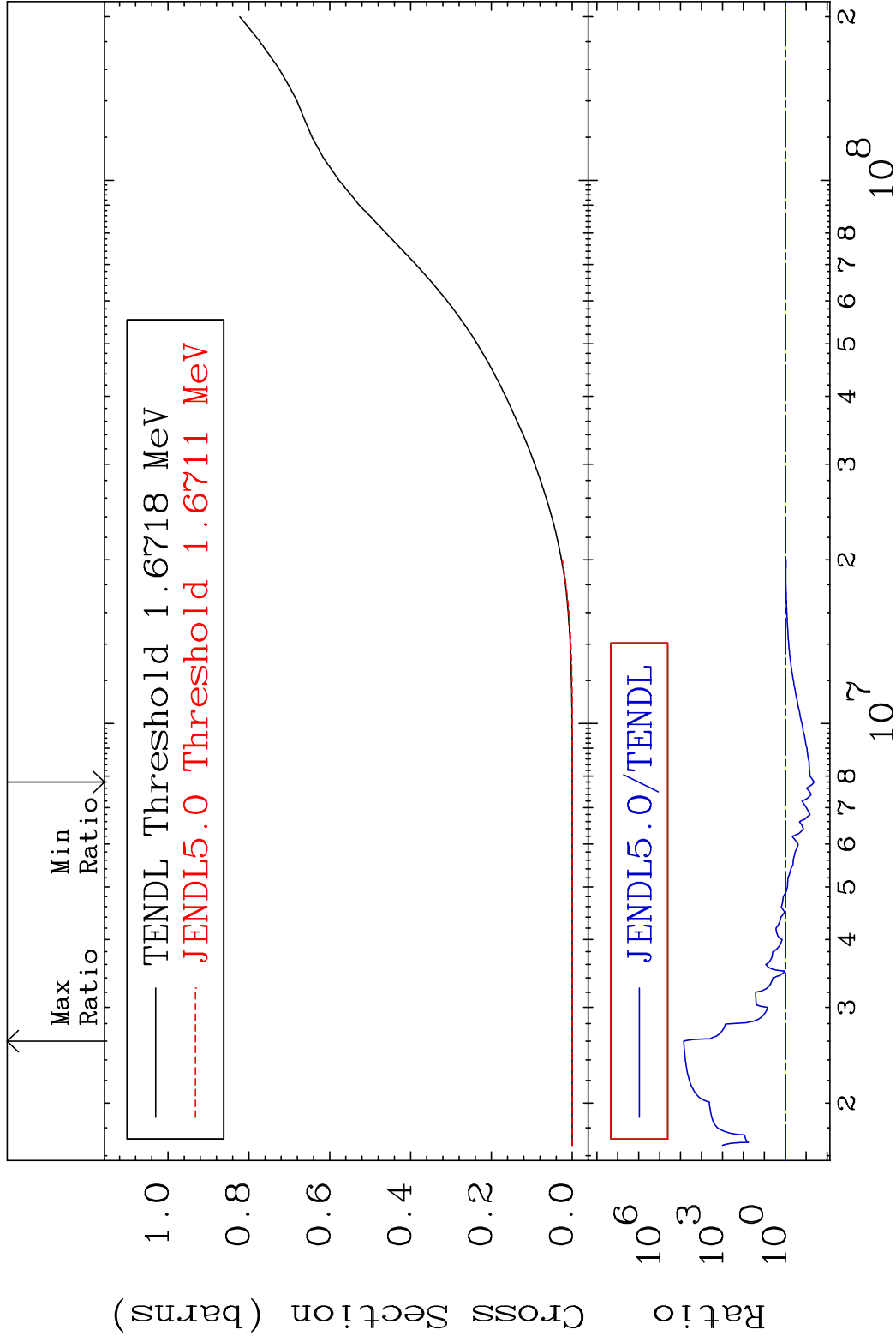
MAT 6161

(n, α)

61-Pm-151

Cross Section -82.64 To 9999. %

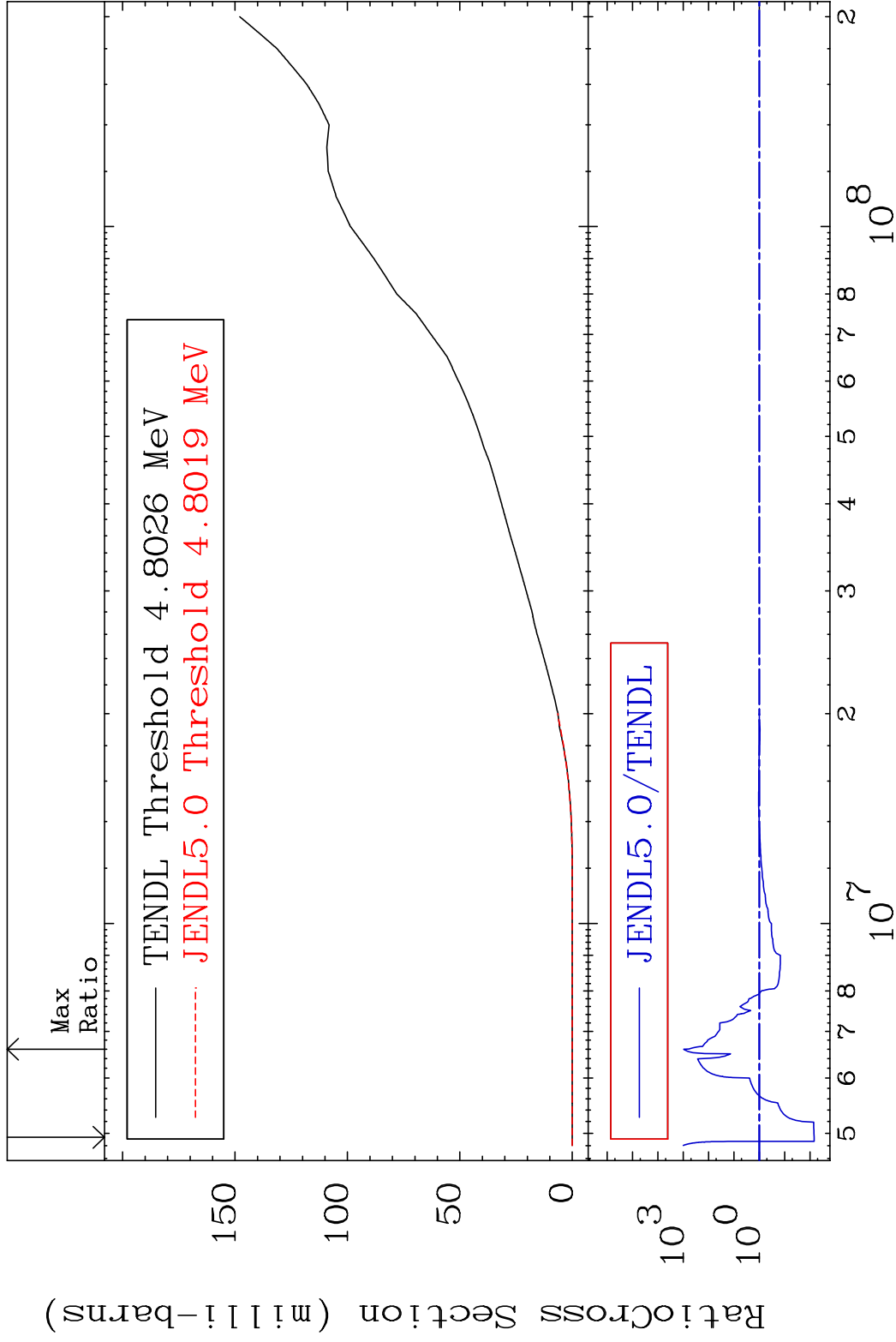




MAT 6161

Deuterium Production 61-Pm-151

Cross Section -99.31 To 9999. %

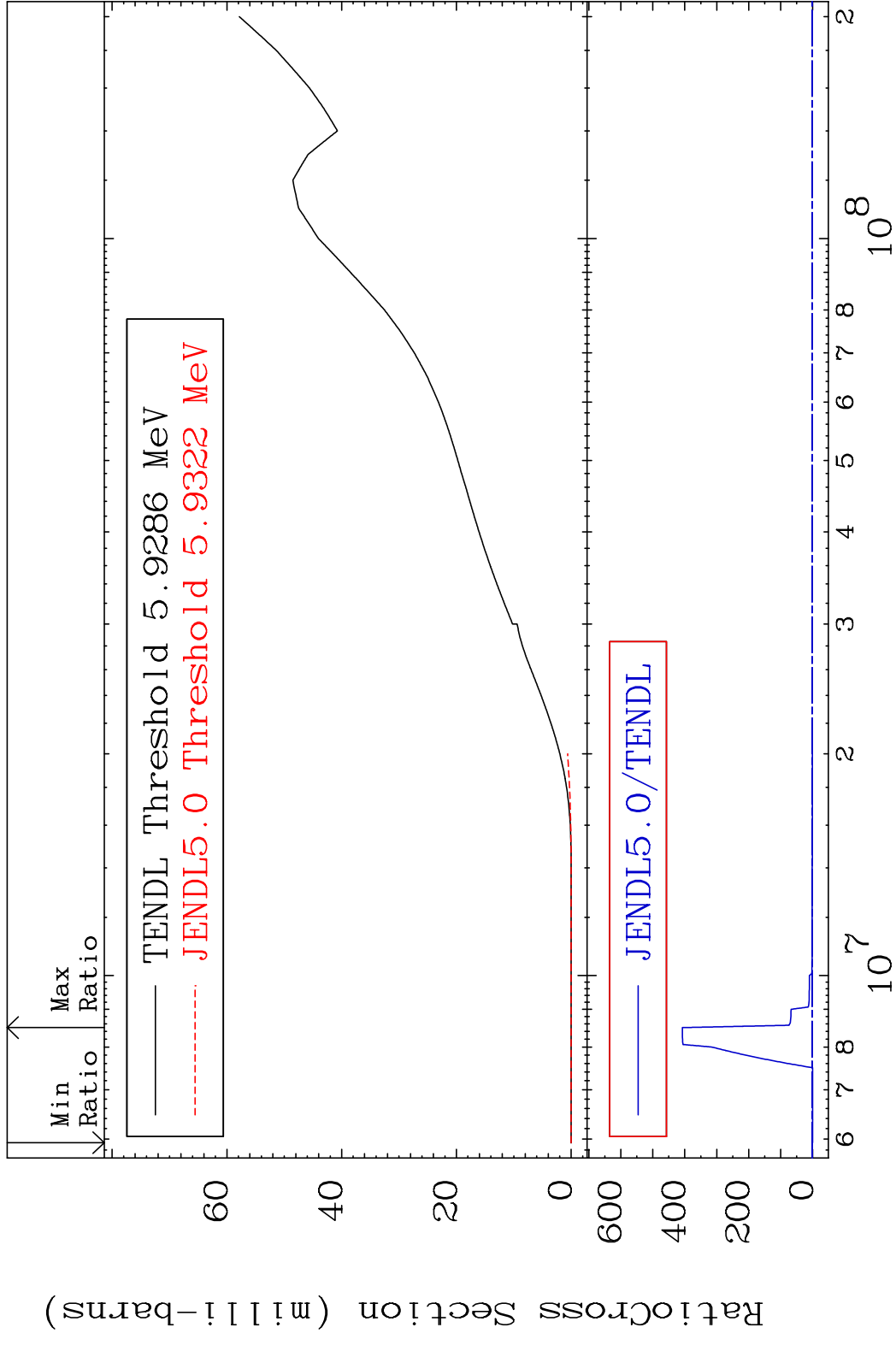


50

Incident Energy (eV)

61-Pm-151

MAT 6161 Tritium Production 61-Pm-151
 Cross Section -100.0 To 9999. %

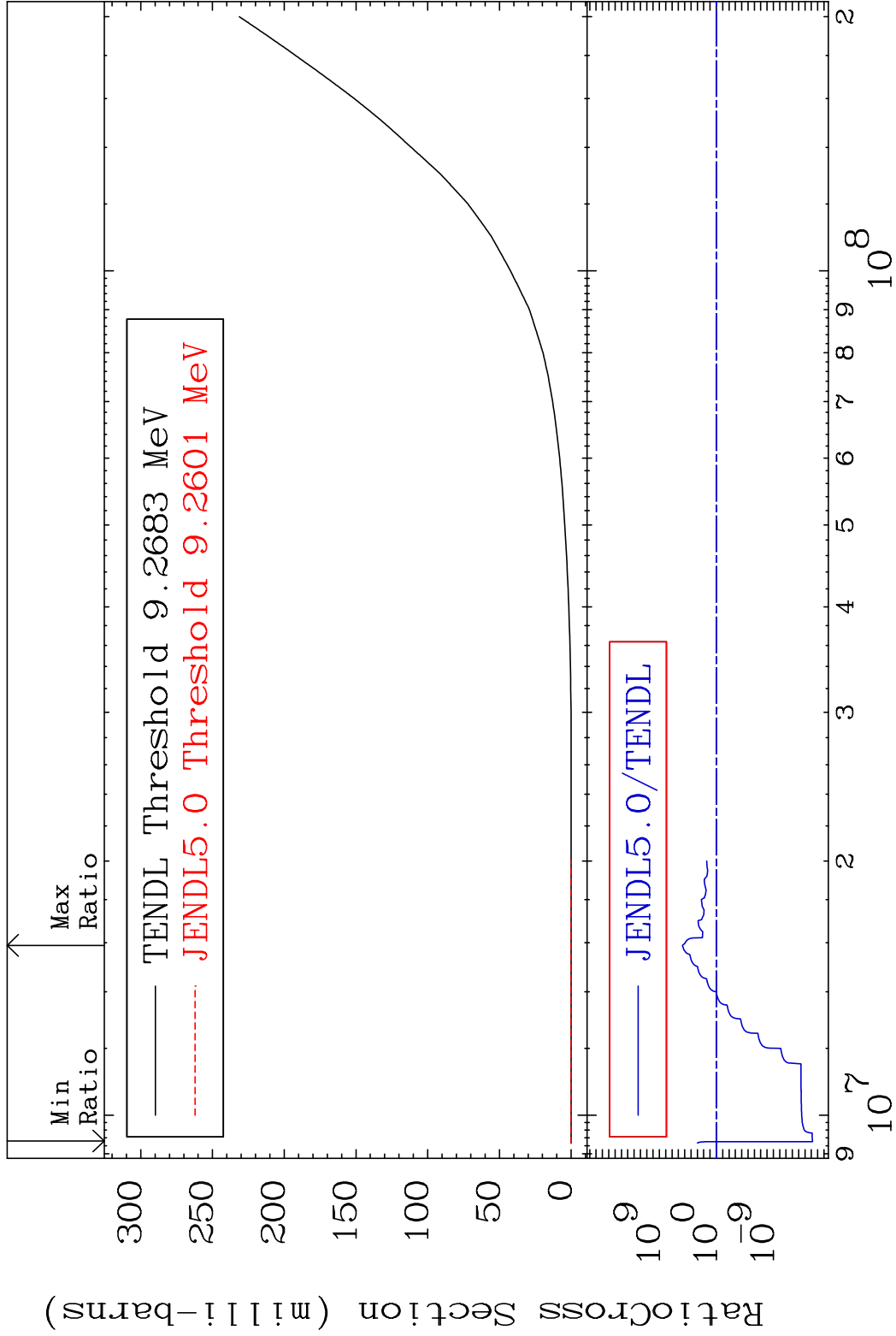


MAT 6161

He-3 Production

61-Pm-151

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

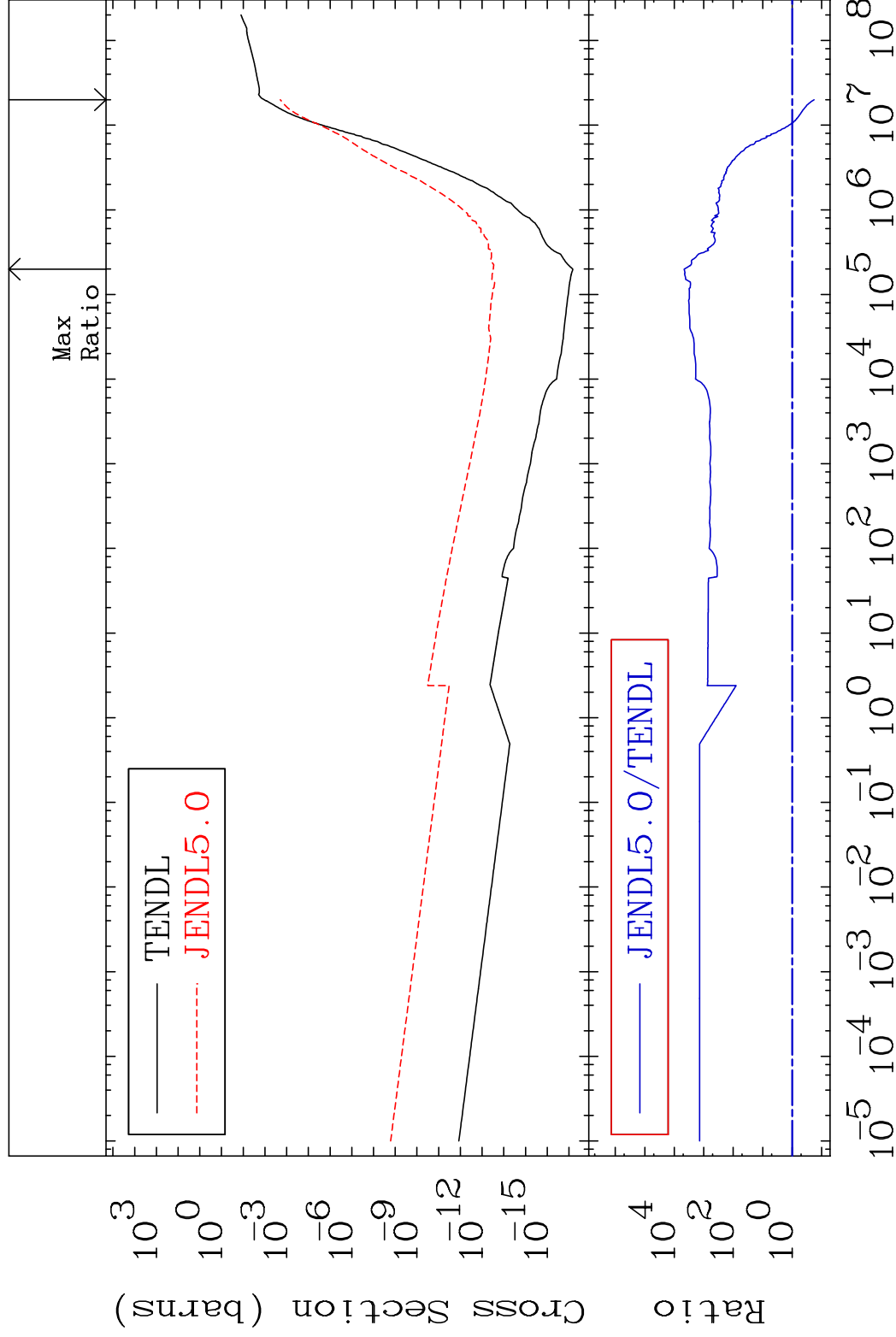
61-Pm-151

MAT 6161

He-4 Production

61-Pm-151

Cross Section -82.19 To 9999. %

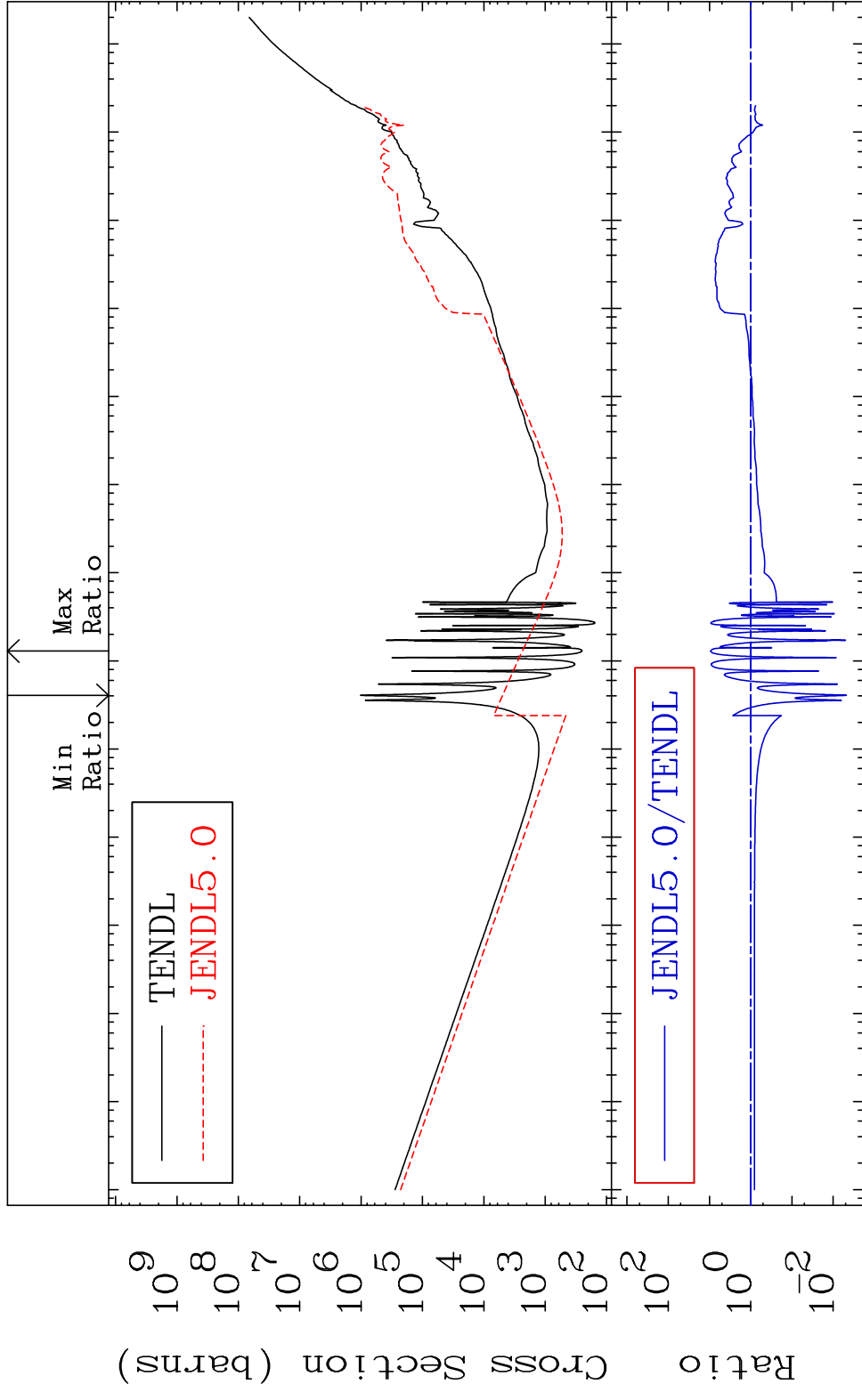


53

Incident Energy (eV)

61-Pm-151

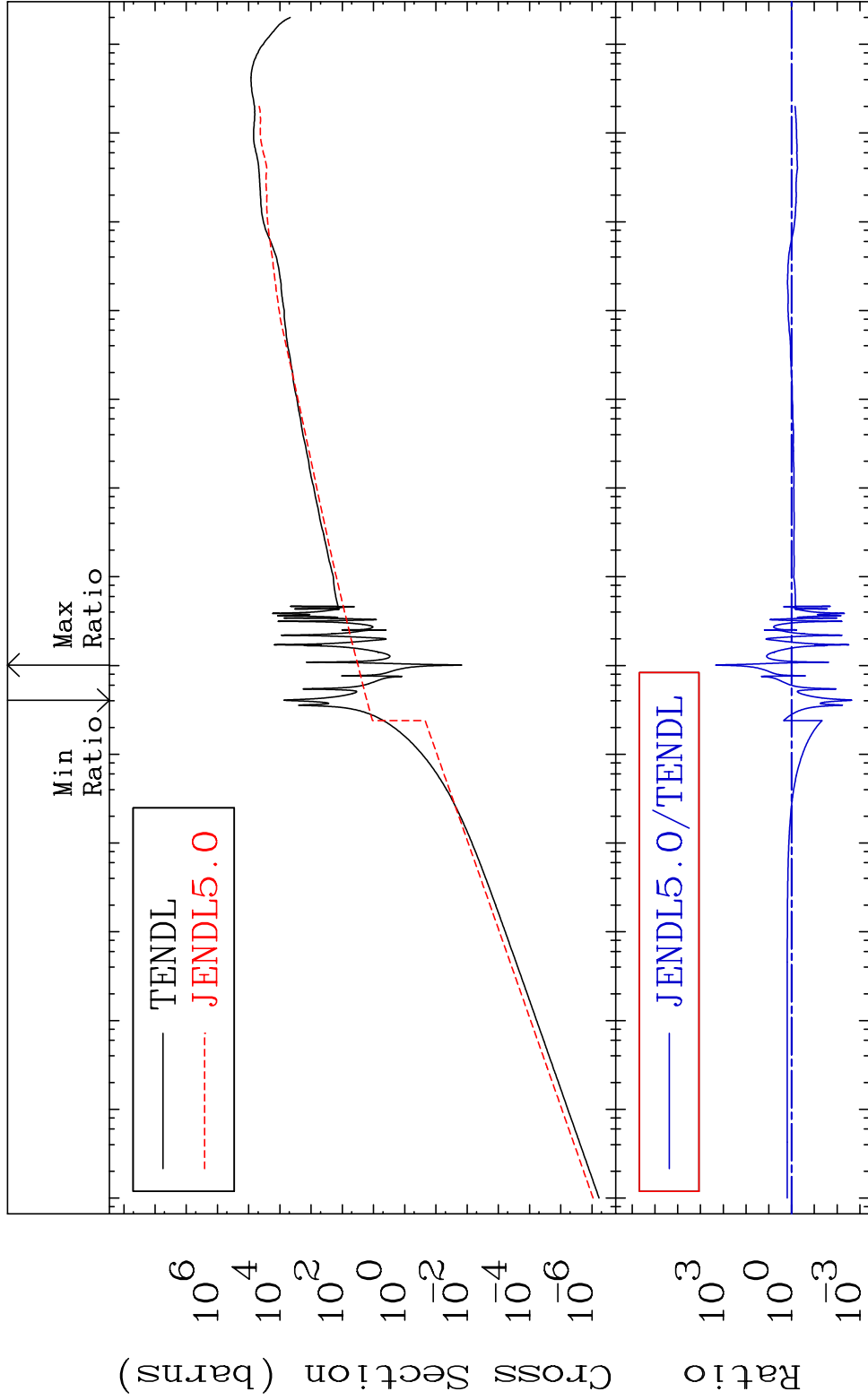
MAT 6161 Kerma total (eV-barns) 61-Pm-151
 Cross Section -99.52 To 832.6 %



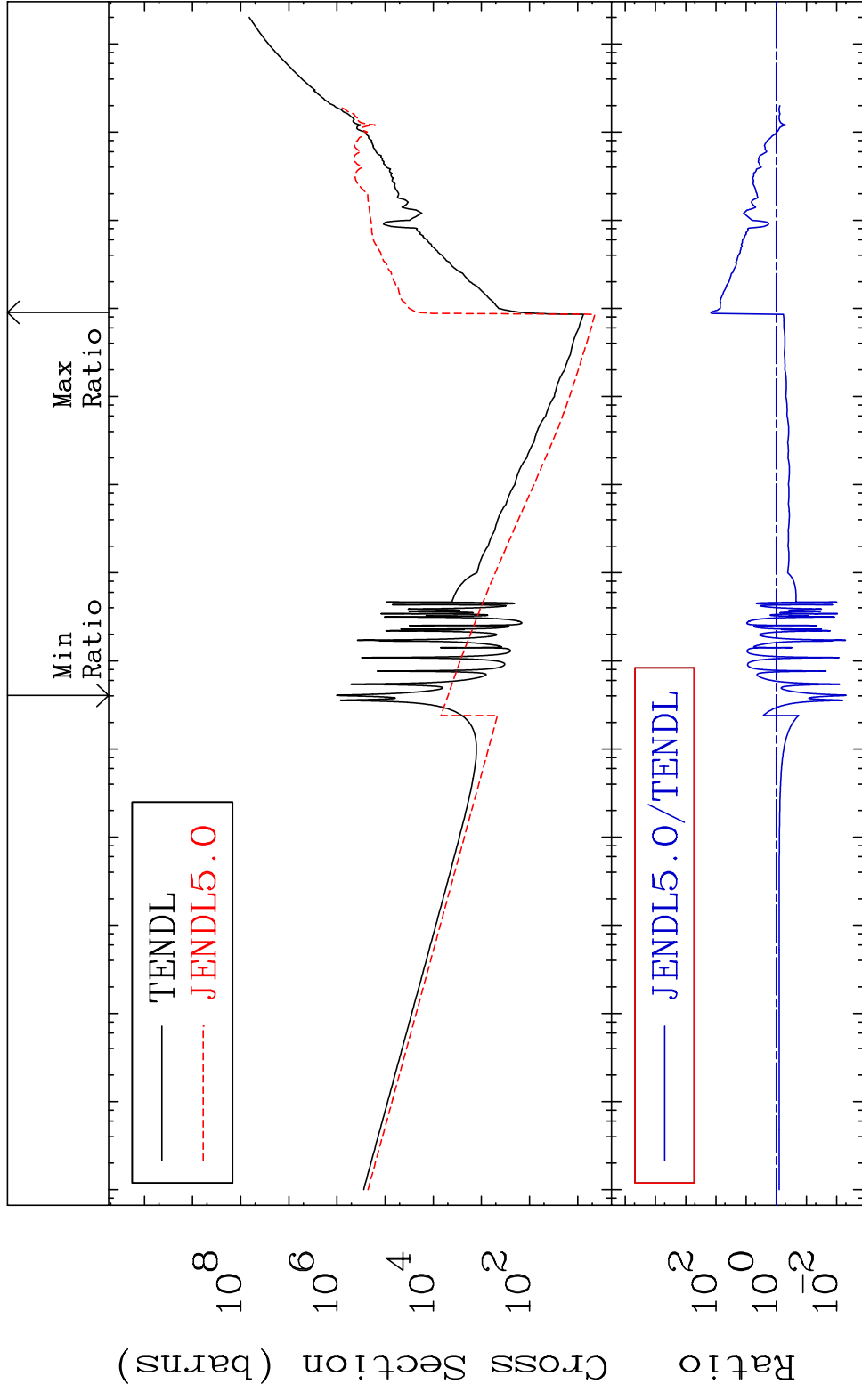
Ratio
 Cross Section (barns)
 Incident Energy (eV)

MAT 6161

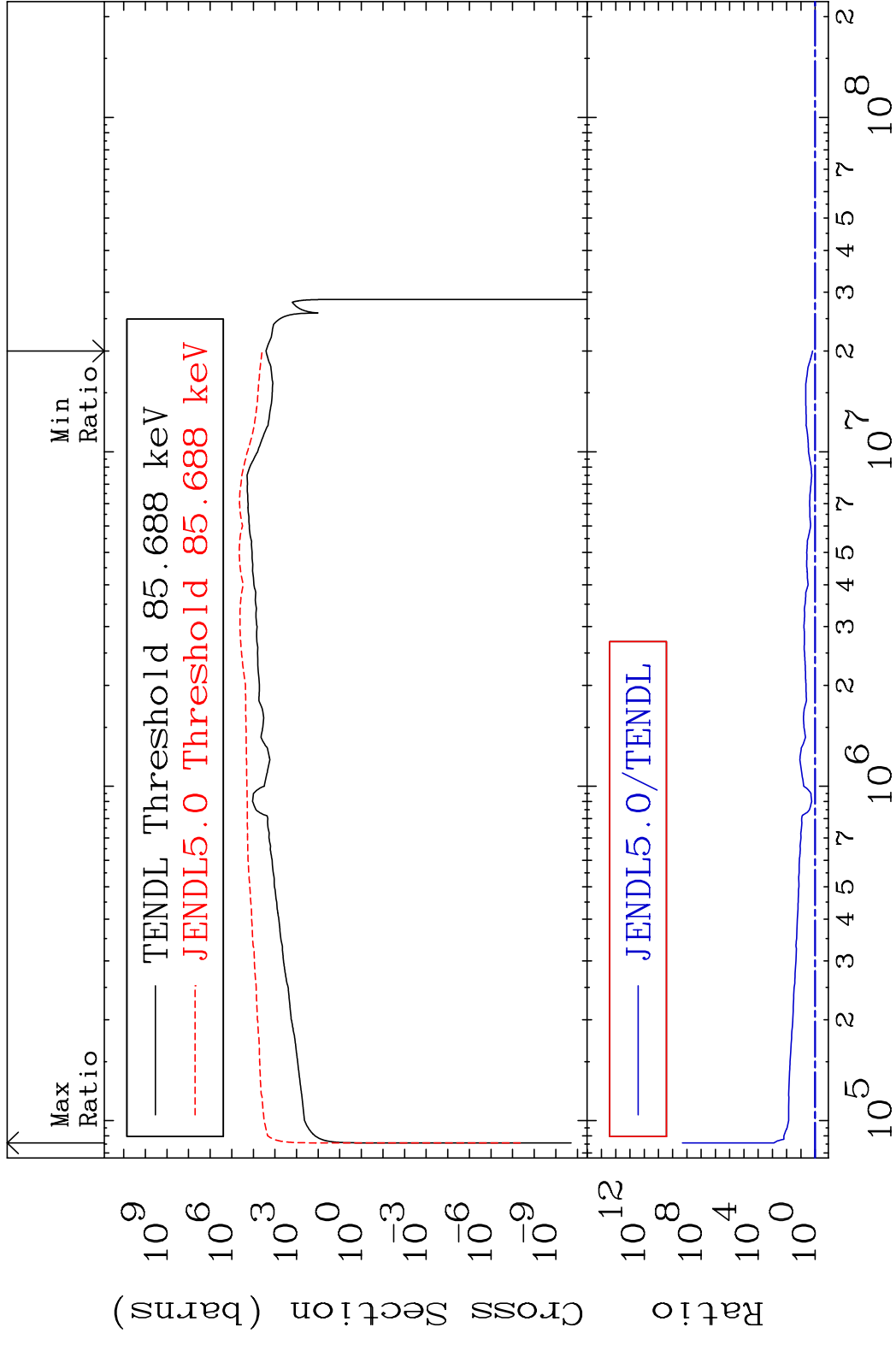
Kerma elastic Cross Section -99.78 To 9999. %
61-Pm-151



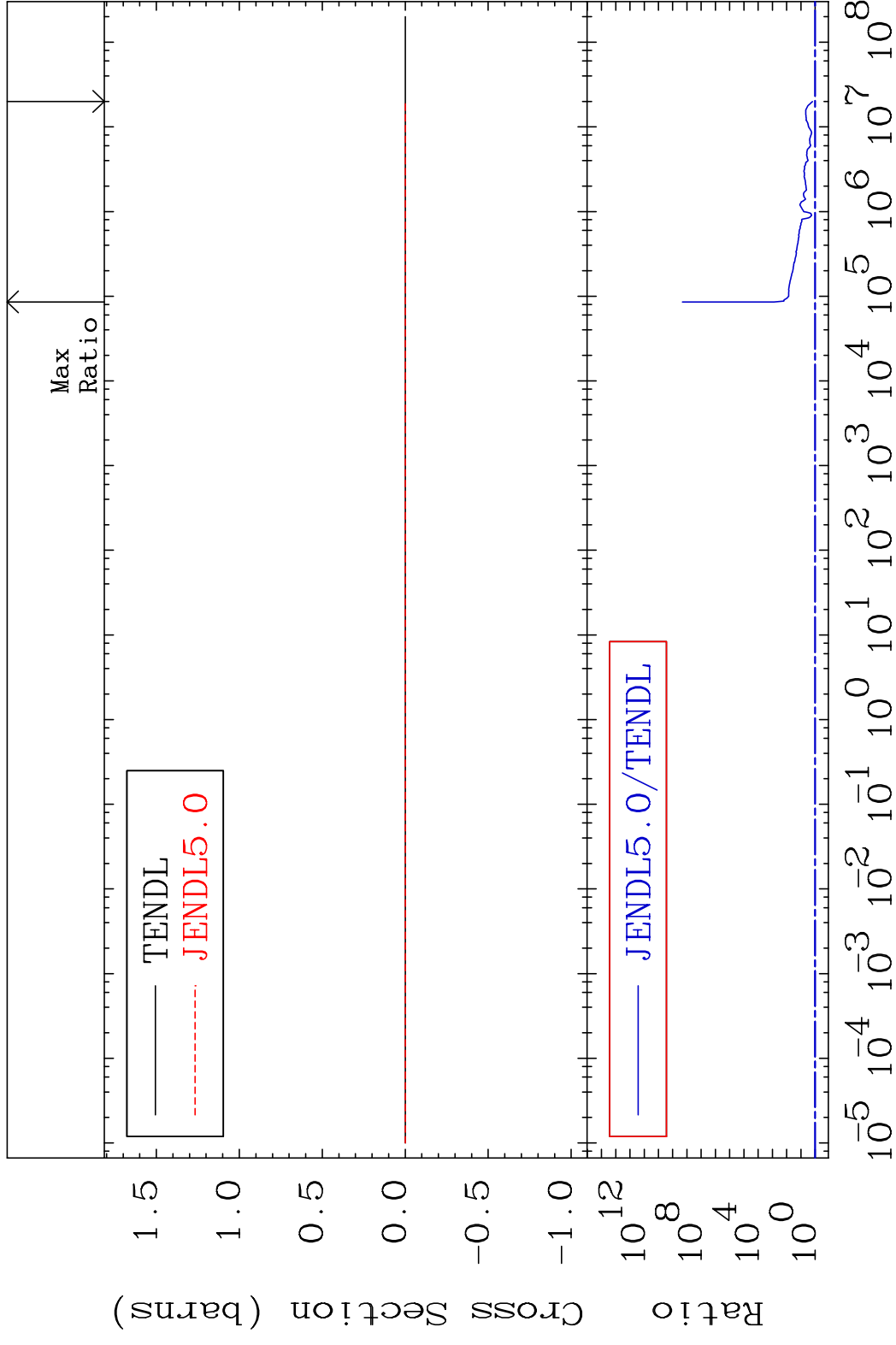
MAT 6161 Kerma non-elastic (all but mt2) 61-Pm-151
 Cross Section -99.52 To 9999. %



MAT 6161 Kerma inelastic (mt51-91) 61-Pm-151
 Cross Section 52.39 To 9999. %

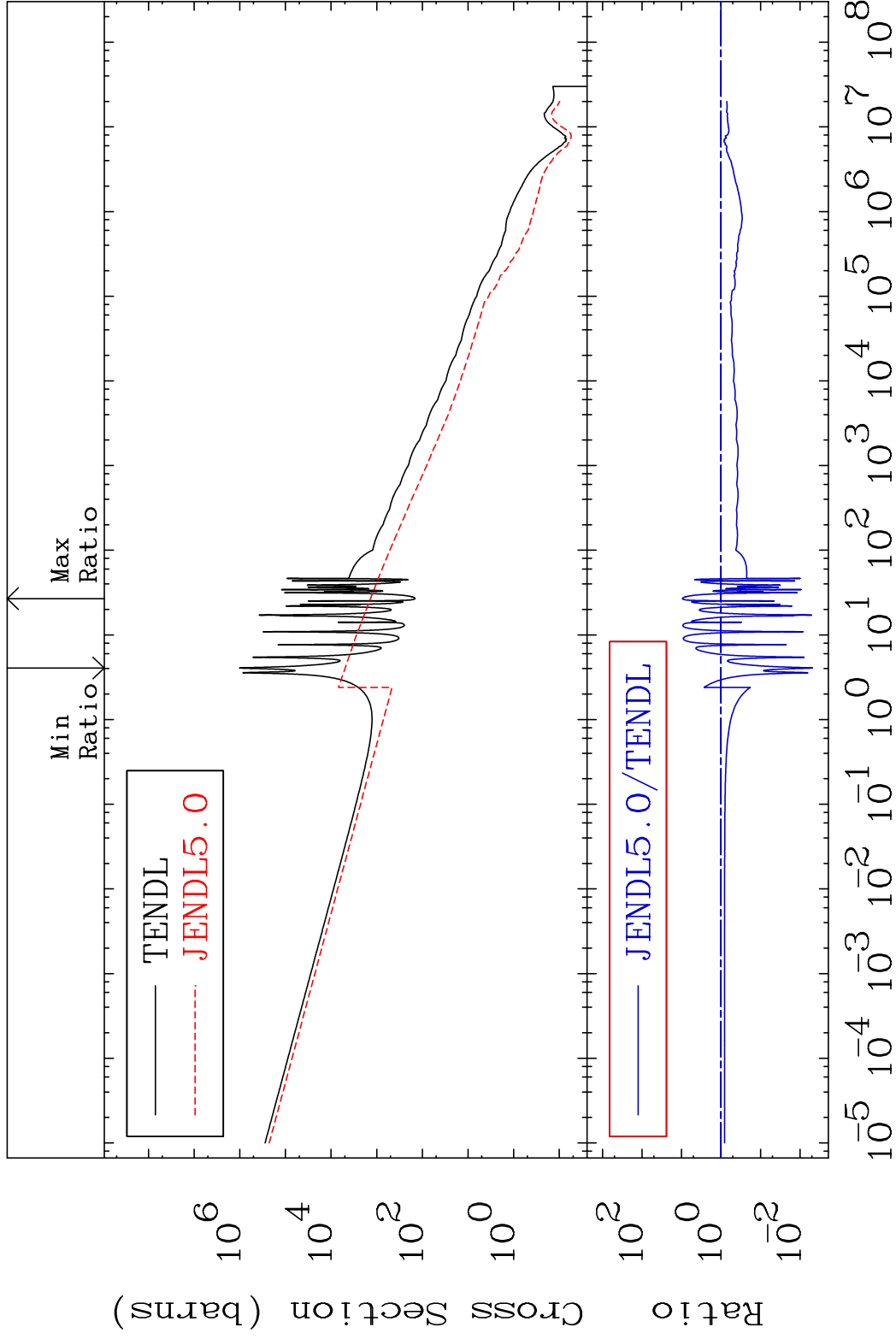


MAT 6161 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-151
 Cross Section 52.39 To 9999. %



MAT 6161

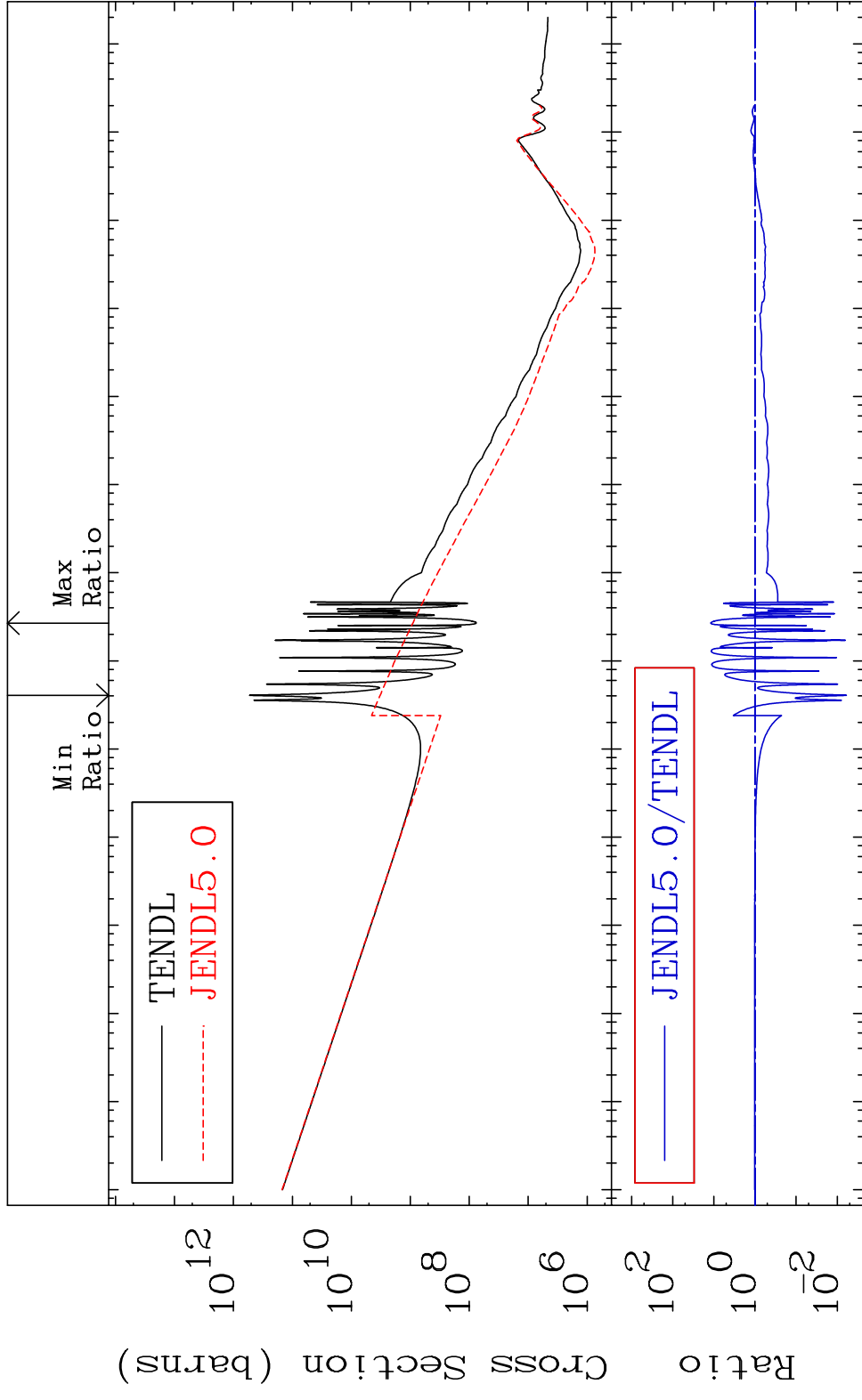
Kerma capture (mt102) 61-Pm-151
Cross Section -99.52 To 850.3 %



59

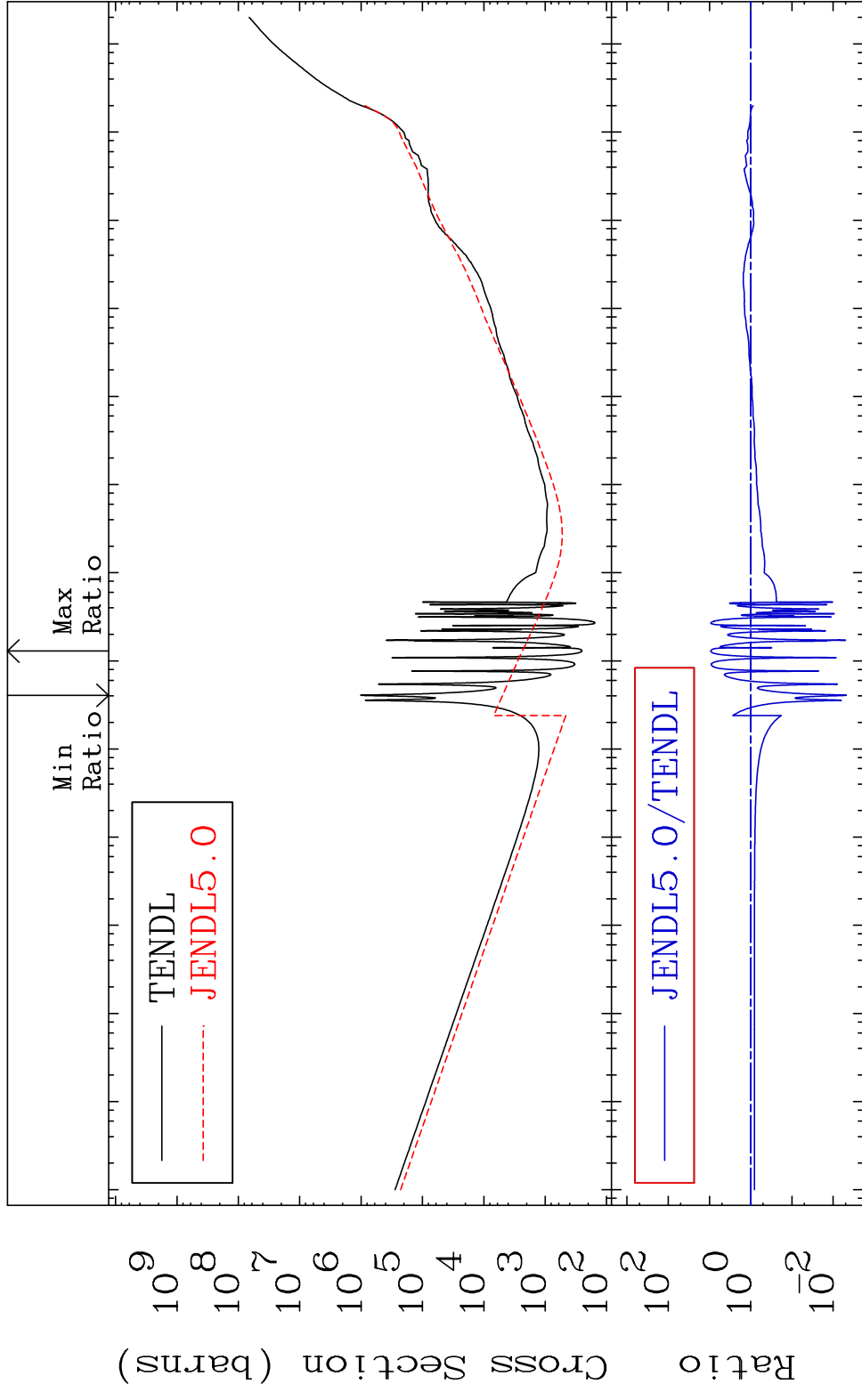
Incident Energy (eV) 61-Pm-151

MAT 6161 Total photon (eV-barns) 61-Pm-151
 Cross Section -99.40 To 1091. %



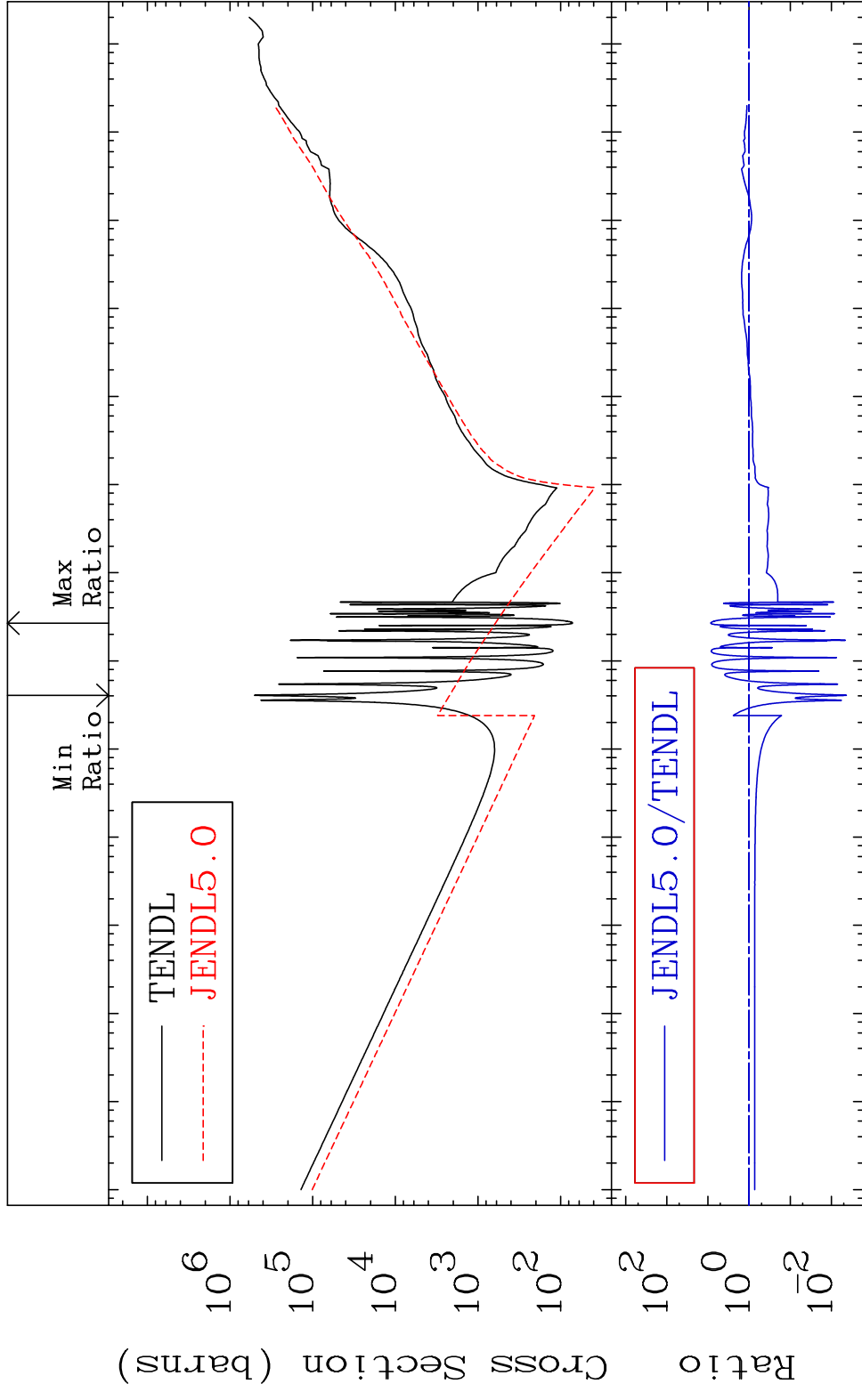
60 Incident Energy (eV) 61-Pm-151

MAT 6161 Total kinematic kerma (high limit) 61-Pm-151
 Cross Section -99.52 To 832.6 %



Ratio
 Cross Section (barns)
 Incident Energy (eV)

MAT 6161 Dpa total (eV-barns) 61-Pm-151
 Cross Section -99.57 To 755.5 %



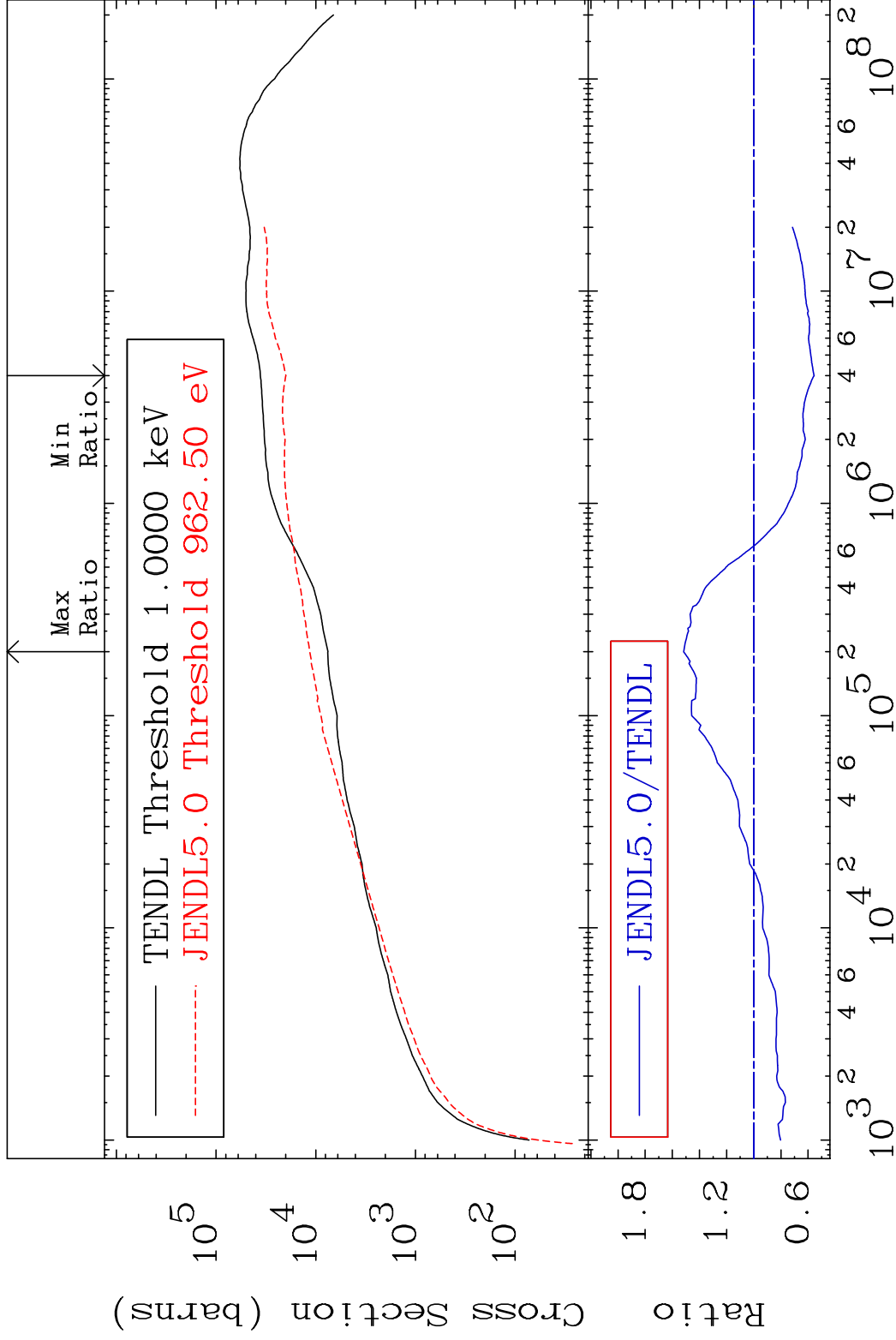
62 Incident Energy (eV) 61-Pm-151

MAT 6161

Dpa elastic (mt2)

61-Pm-151

Cross Section -44.44 To 51.66 %

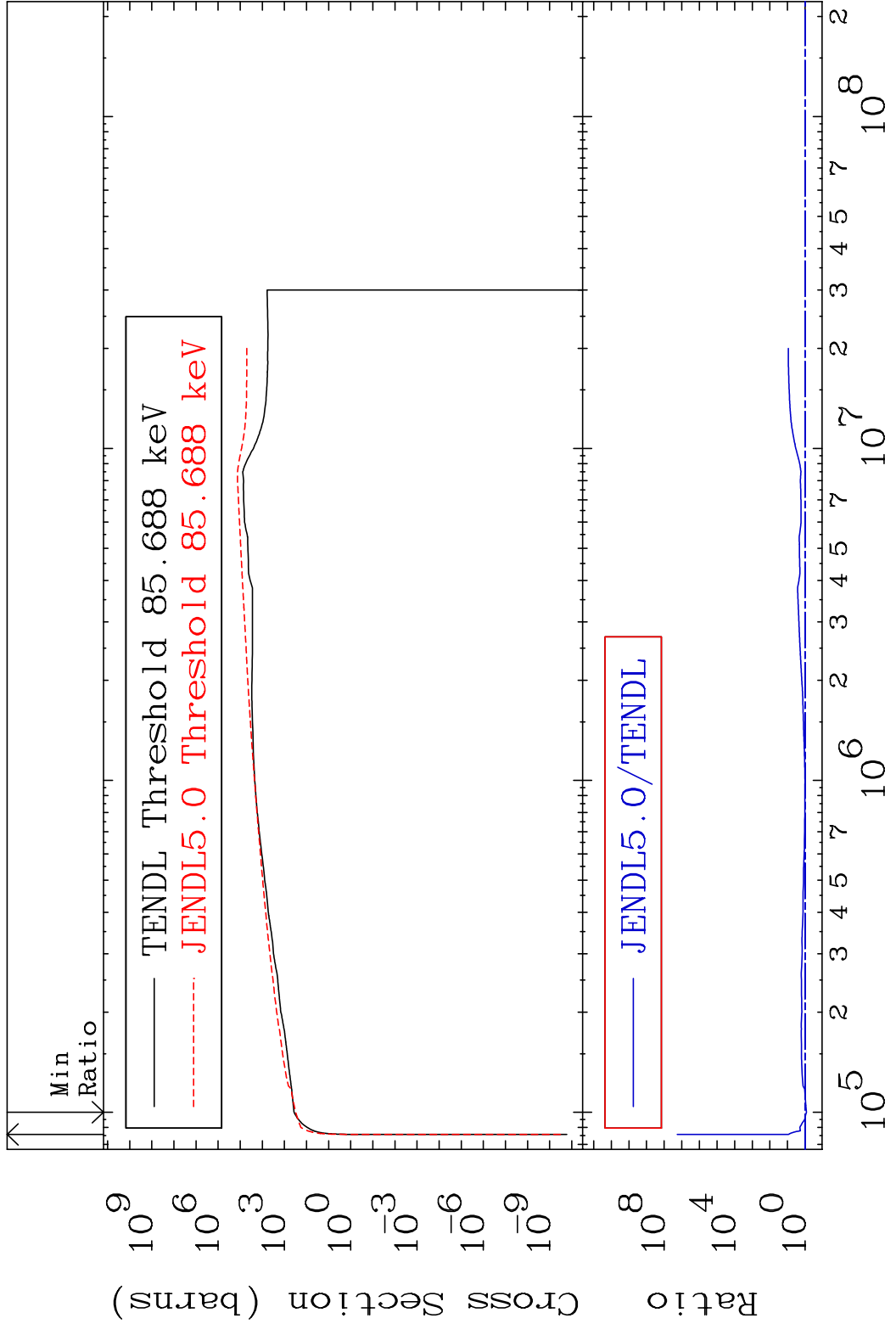


63

Incident Energy (eV)

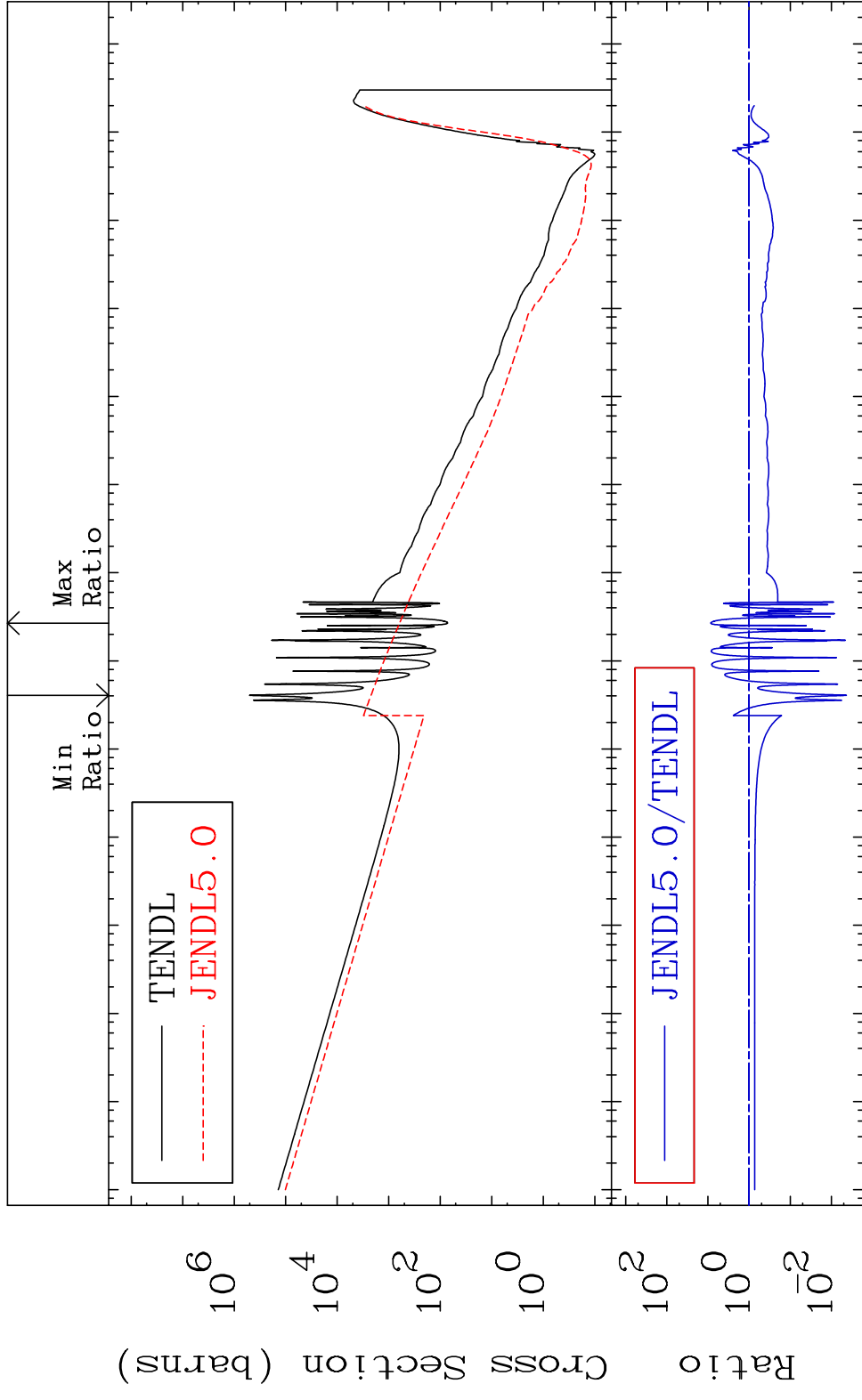
61-Pm-151

MAT 6161 Dpa inelastic (mt51-91) 61-Pm-151
 Cross Section -15.36 To 9999. %



64 Incident Energy (eV) 61-Pm-151

MAT 6161 Dpa disappearance (mt102 -120) 61-Pm-151
 Cross Section -99.57 To 755.5 %



65 Incident Energy (eV) 61-Pm-151