

Program Complot
(Version 2021-1)

by

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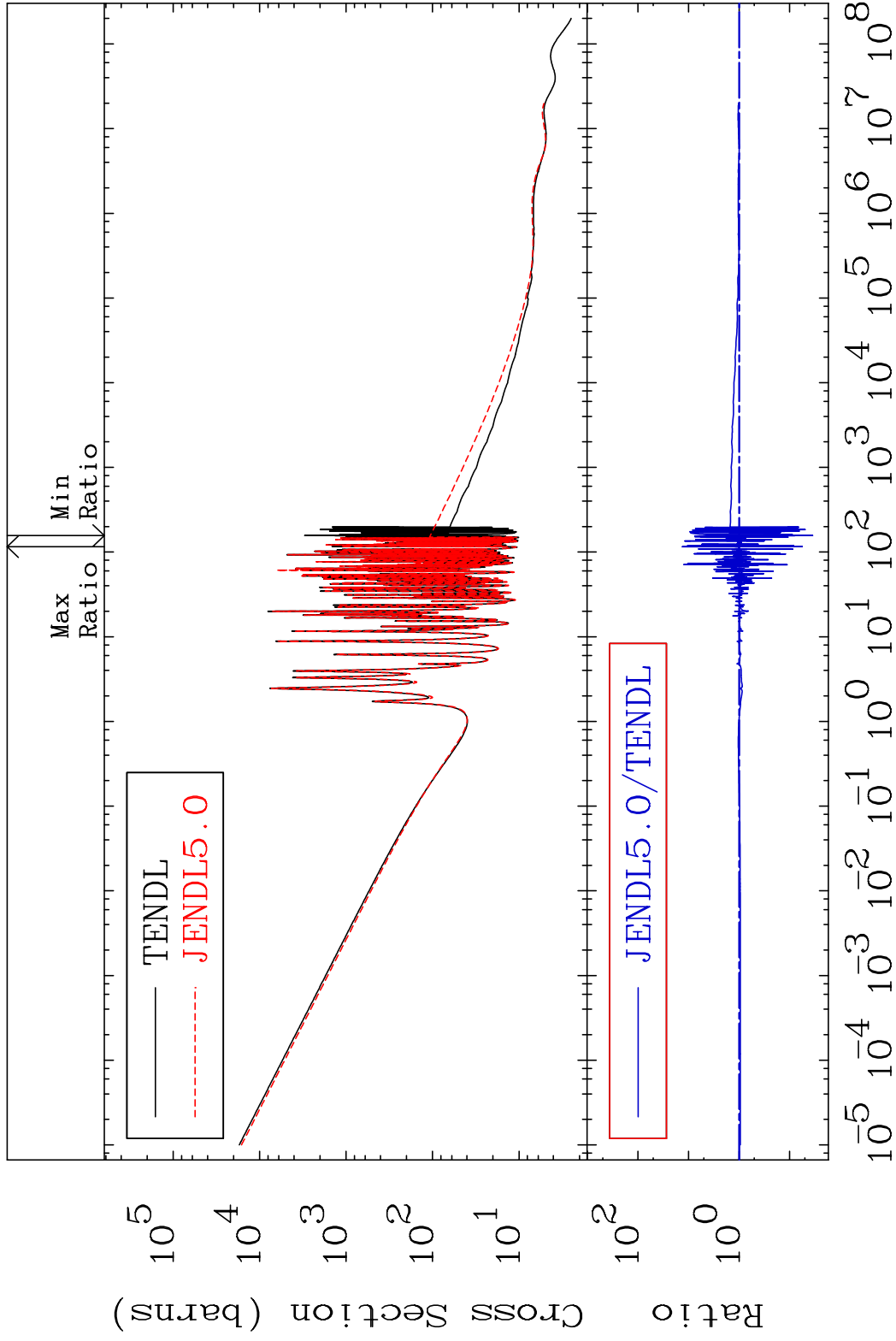
Press Mouse Button to Start

MAT 6331

Total

63-Eu-153

Cross Section -96.49 To 1225. %



1

Incident Energy (eV)

63-Eu-153

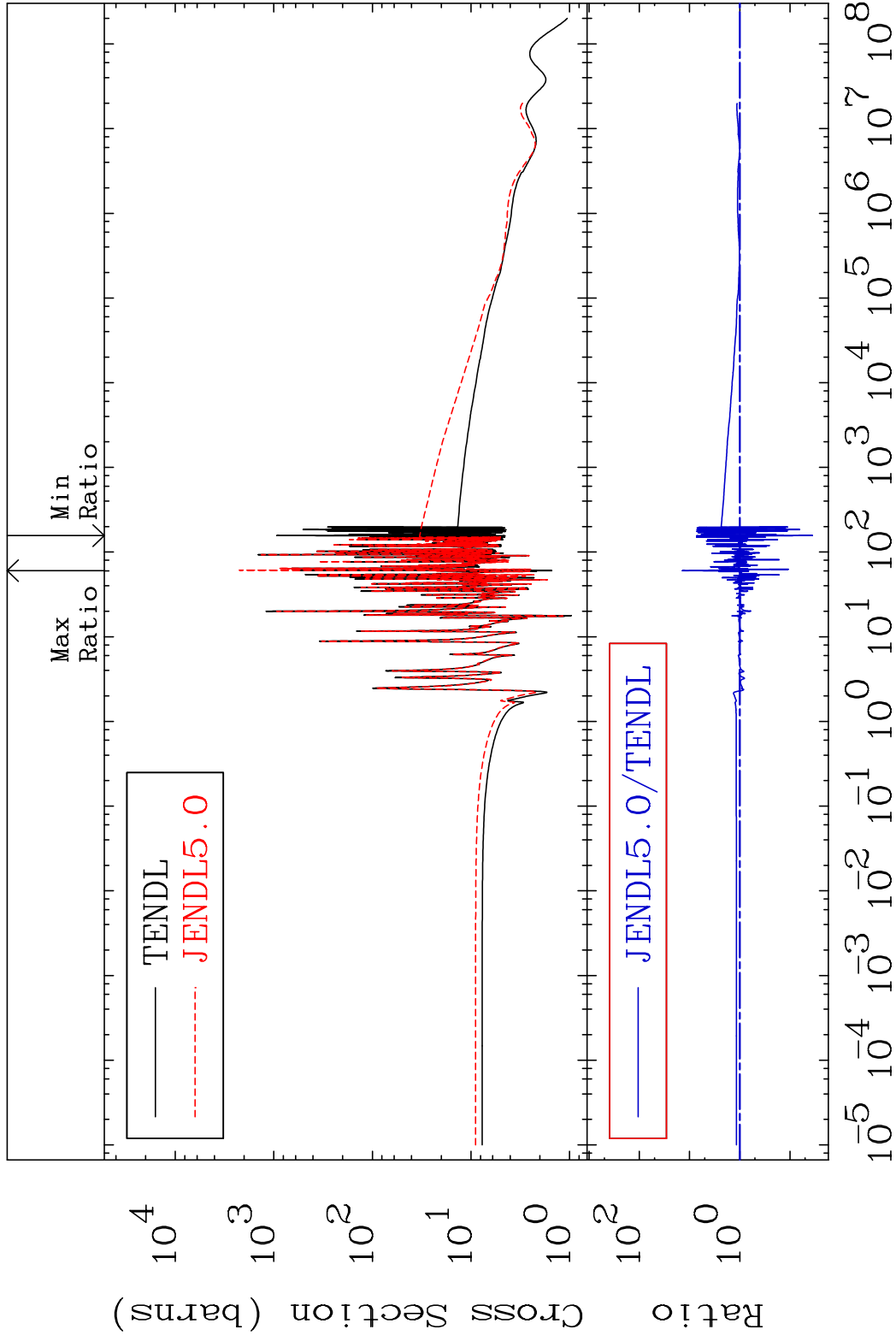
MAT 6331

Elastic

63-Eu-153

Cross Section

-96.46 To 1293. %

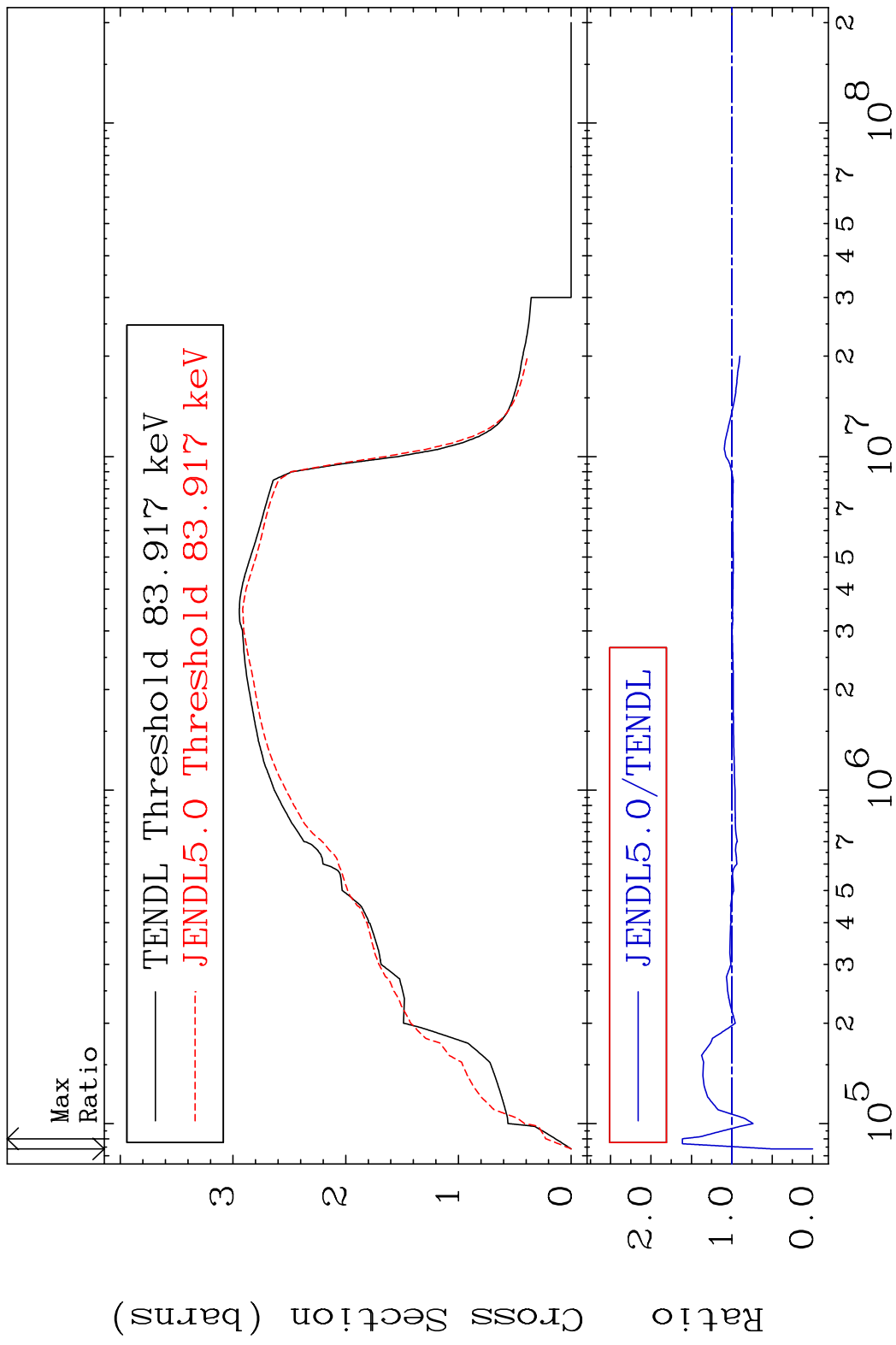


2

Incident Energy (eV)

63-Eu-153

MAT 6331 Inelastic 63-Eu-153
Cross Section -100.0 To 61.22 %



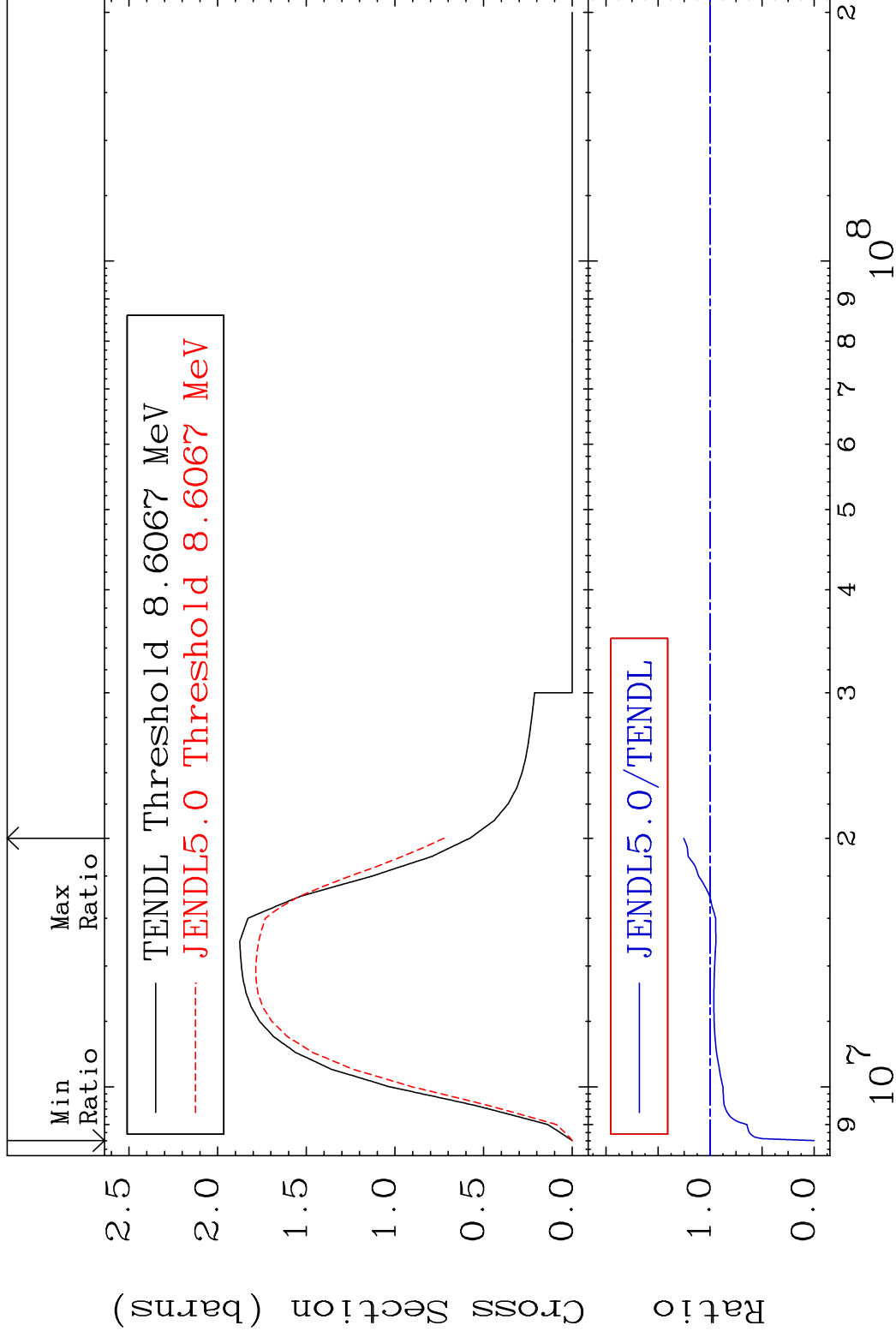
3 Incident Energy (eV) 63-Eu-153

MAT 6331

(n,2n)

63-Eu-153

Cross Section -100.0 To 25.38 %



4

Incident Energy (eV)

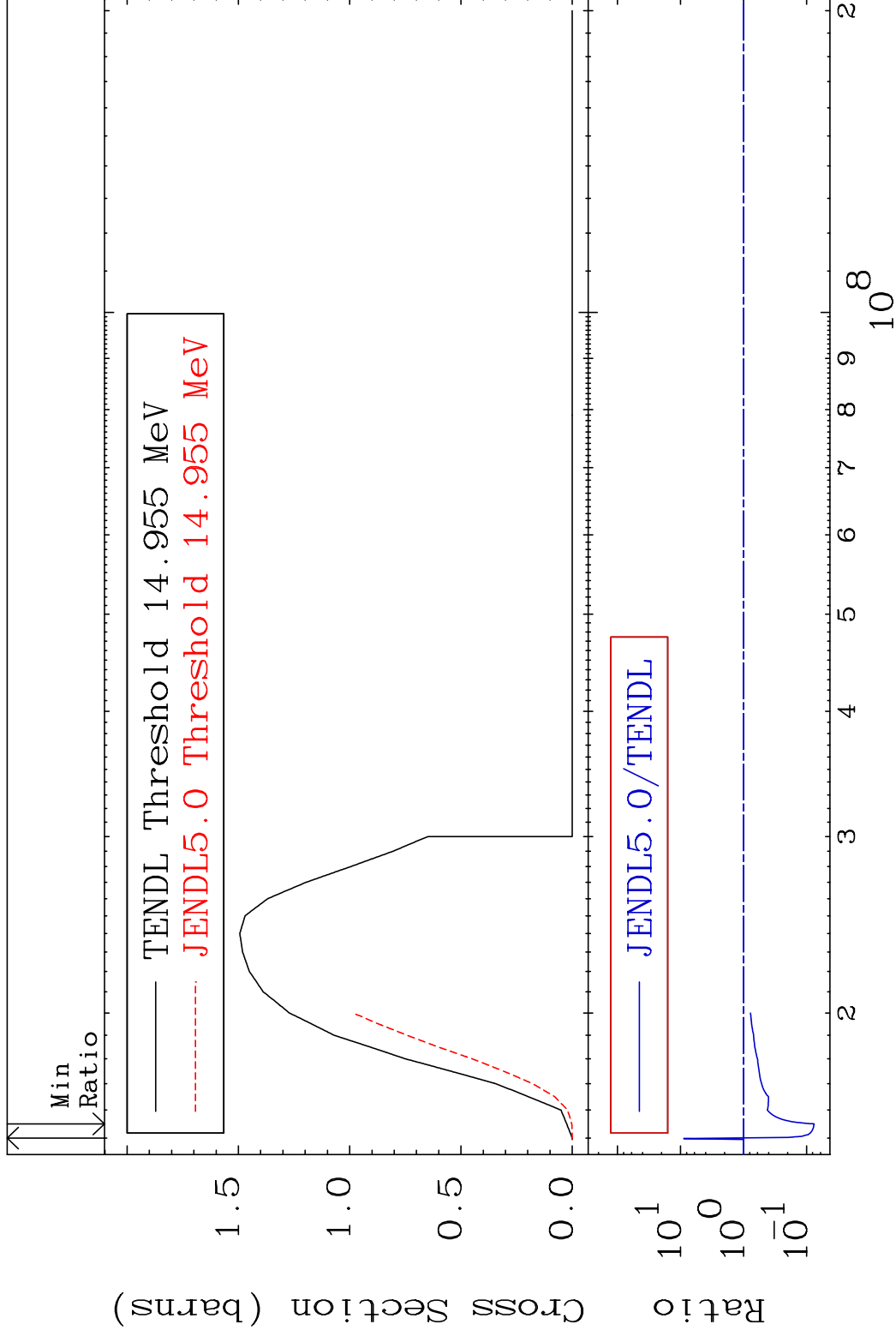
63-Eu-153

MAT 6331

(n,3n)

63-Eu-153

Cross Section -92.42 To 792.1 %



5

Incident Energy (eV)

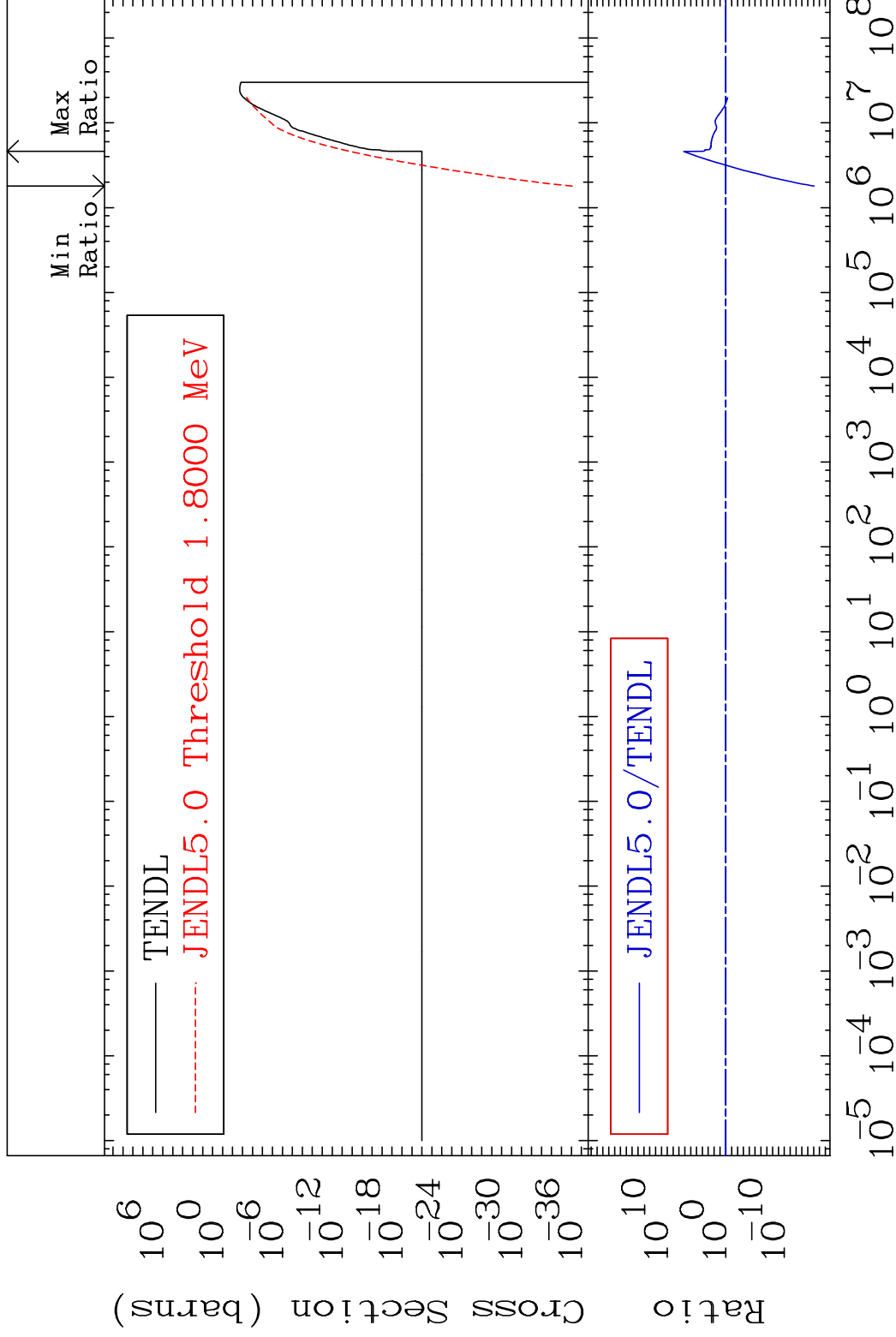
63-Eu-153

MAT 6331

(n, n') α

63-Eu-153

Cross Section -100.0 To 9999. %

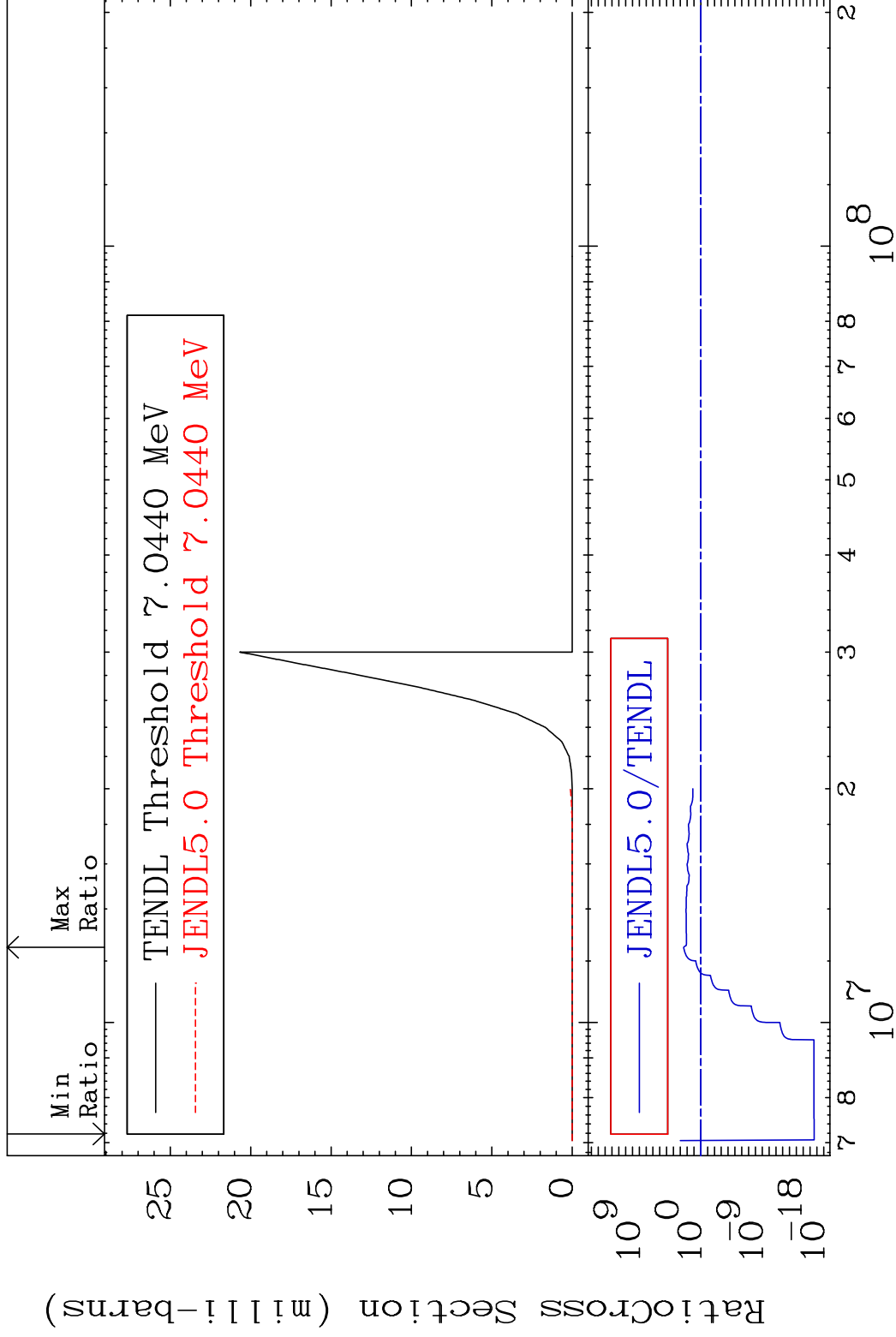


MAT 6331

(n,2n) α

63-Eu-153

Cross Section -100.0 To 9999. %

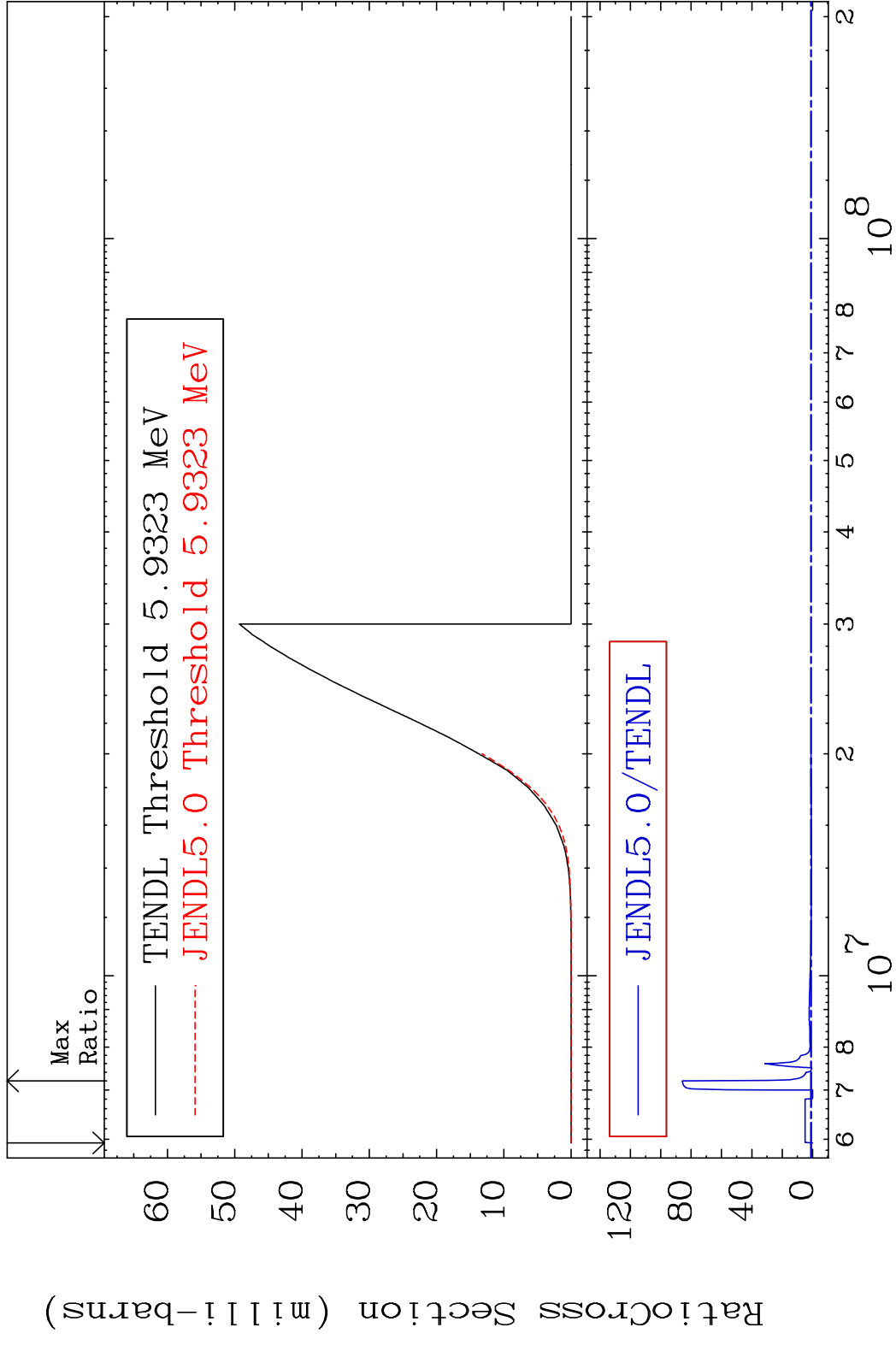


7

Incident Energy (eV)

63-Eu-153

MAT 6331 (n, n') p 63-Eu-153
 Cross Section -100.0 To 8478. %

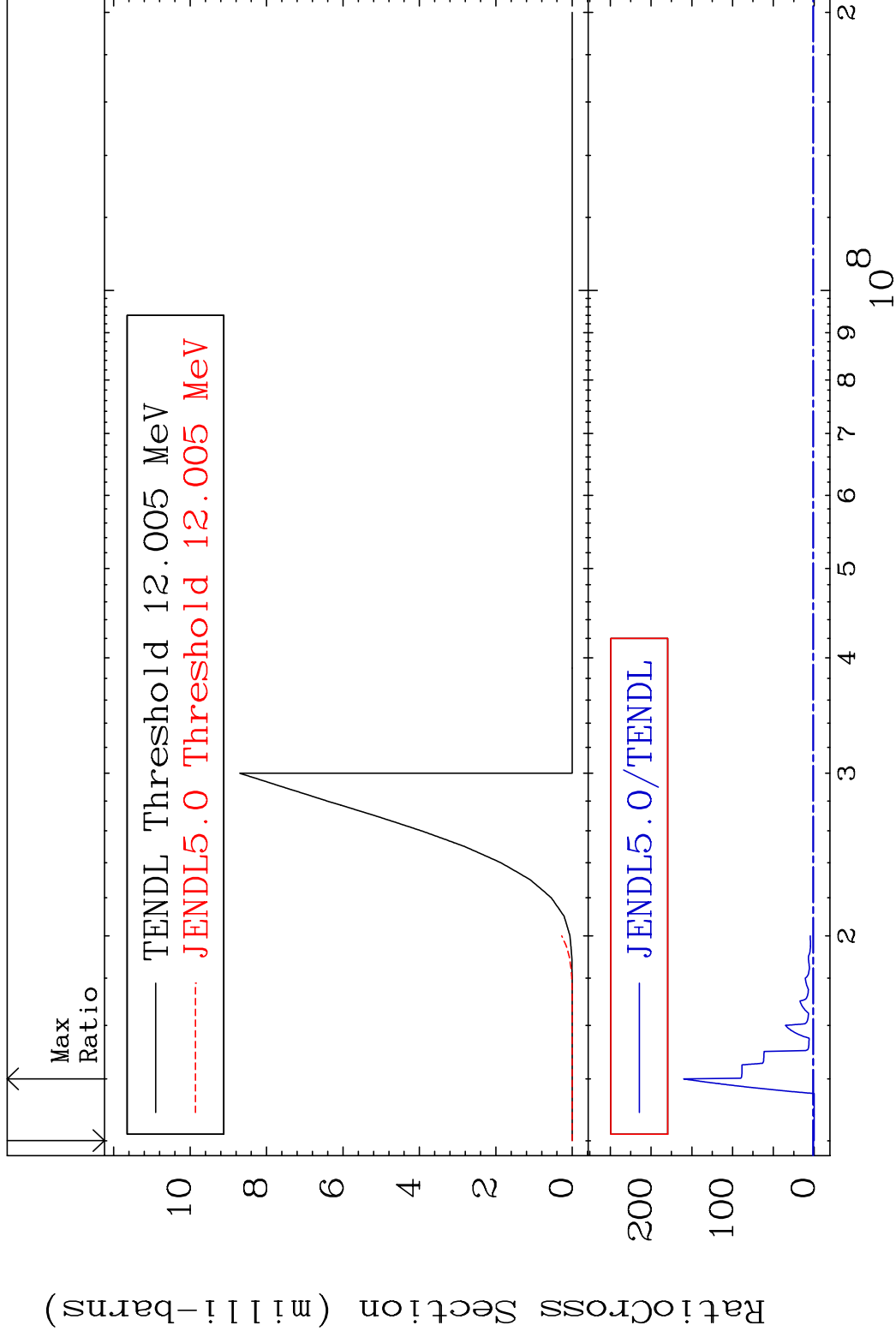


MAT 6331

(n, n') d

63-Eu-153

Cross Section -100.0 To 9999. %

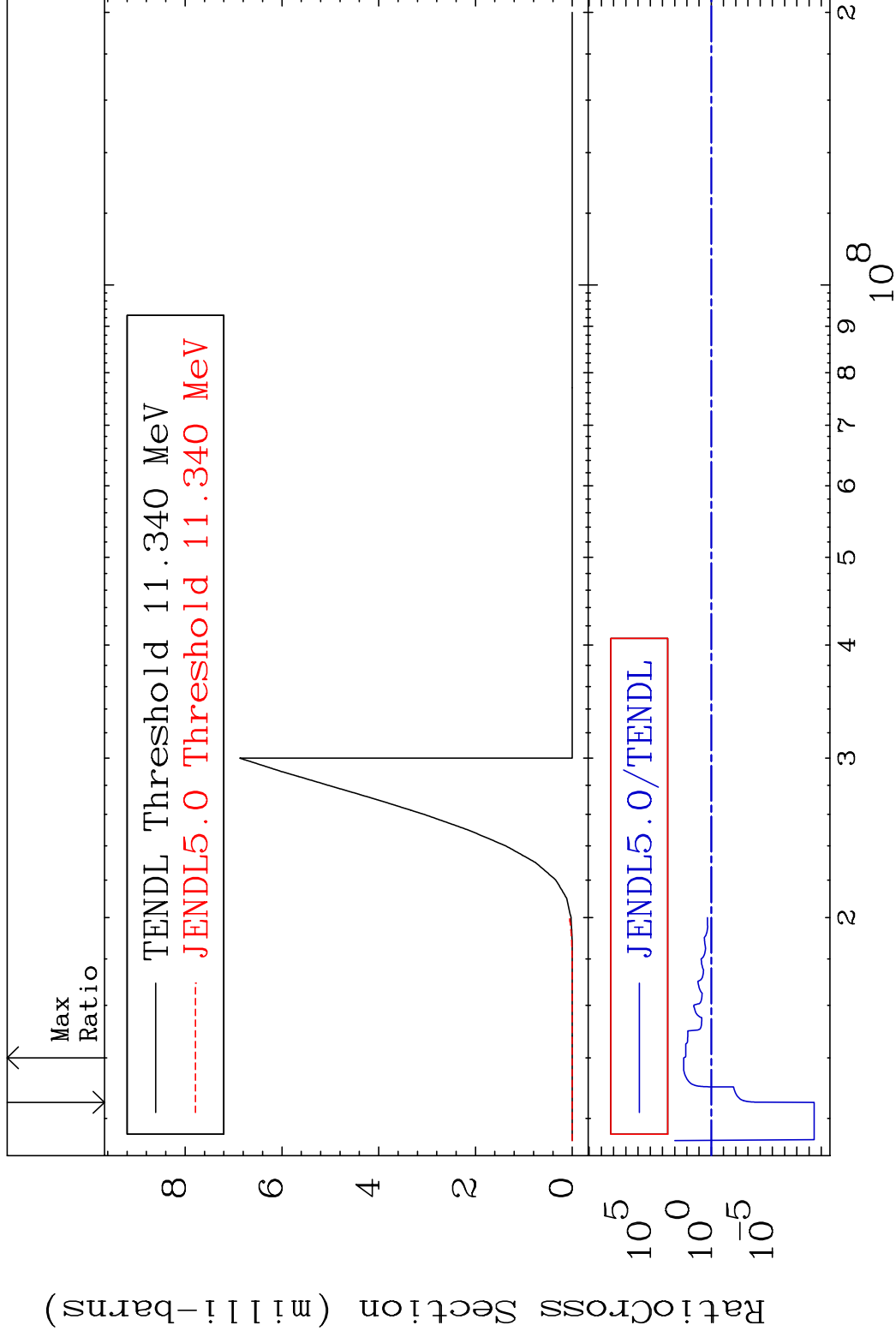


MAT 6331

(n, n') t

63-Eu-153

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

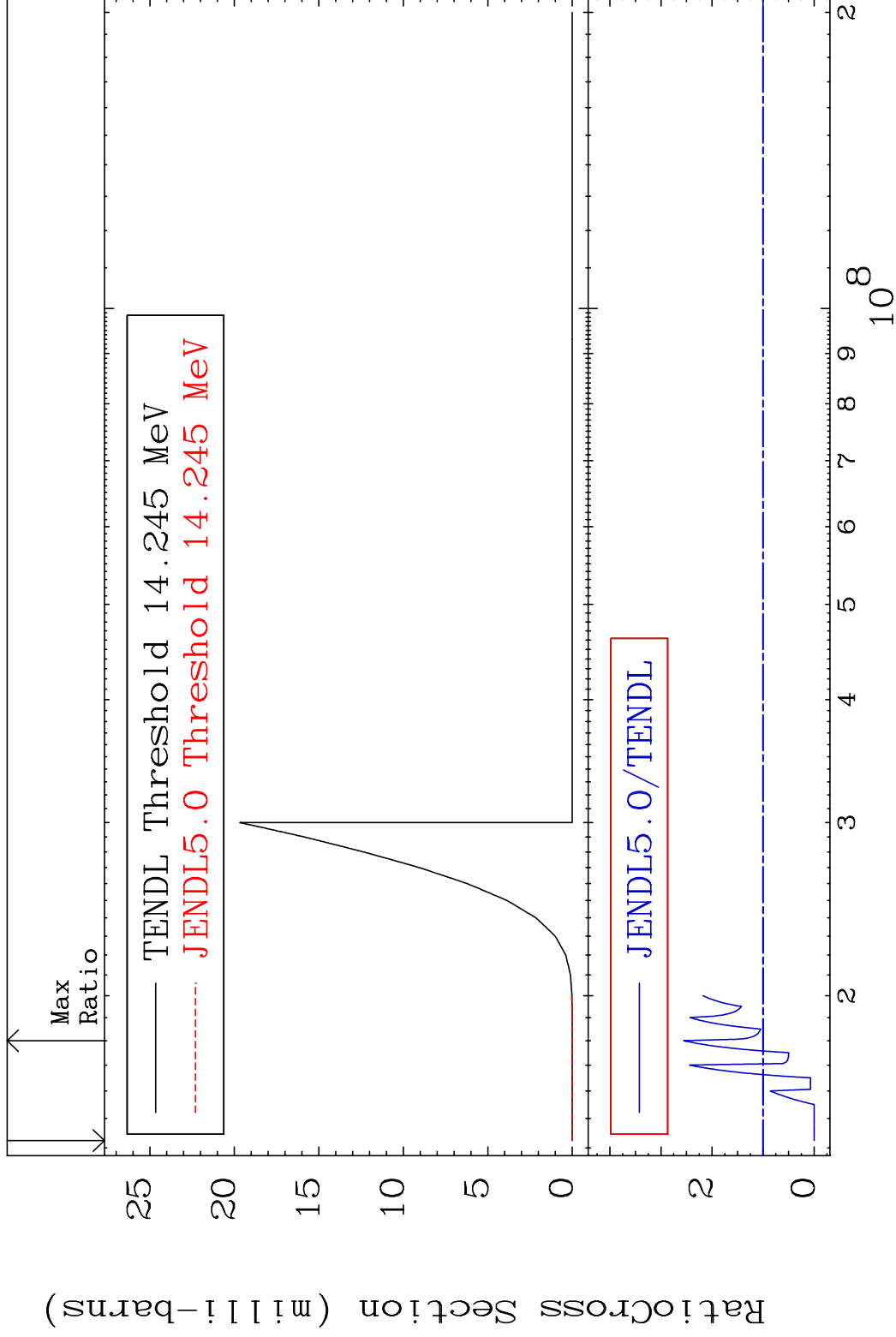
63-Eu-153

MAT 6331

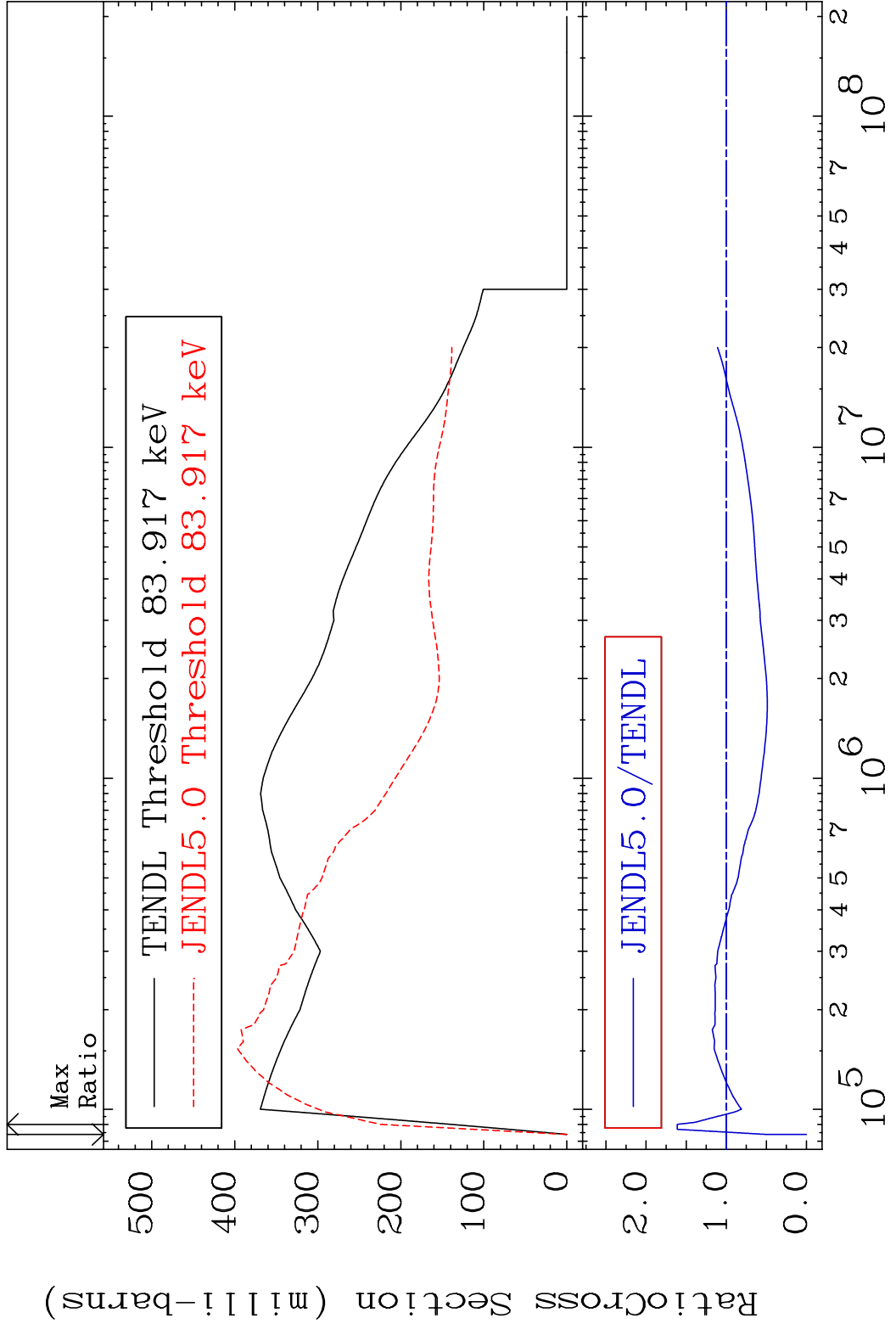
(n,2n) p

63-Eu-153

Cross Section -100.0 To 155.6 %

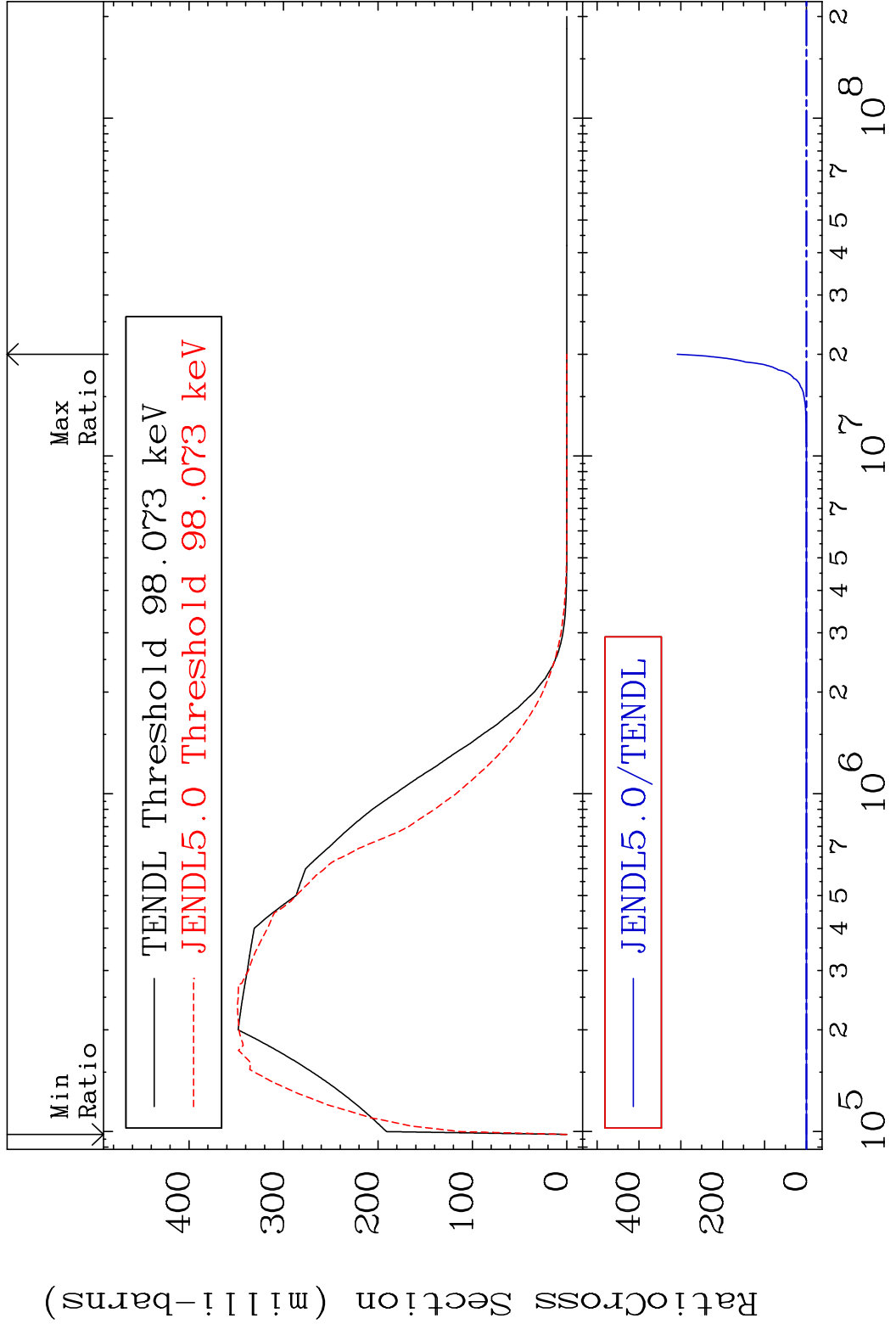


MAT 6331 MT= 51 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 61.22 %



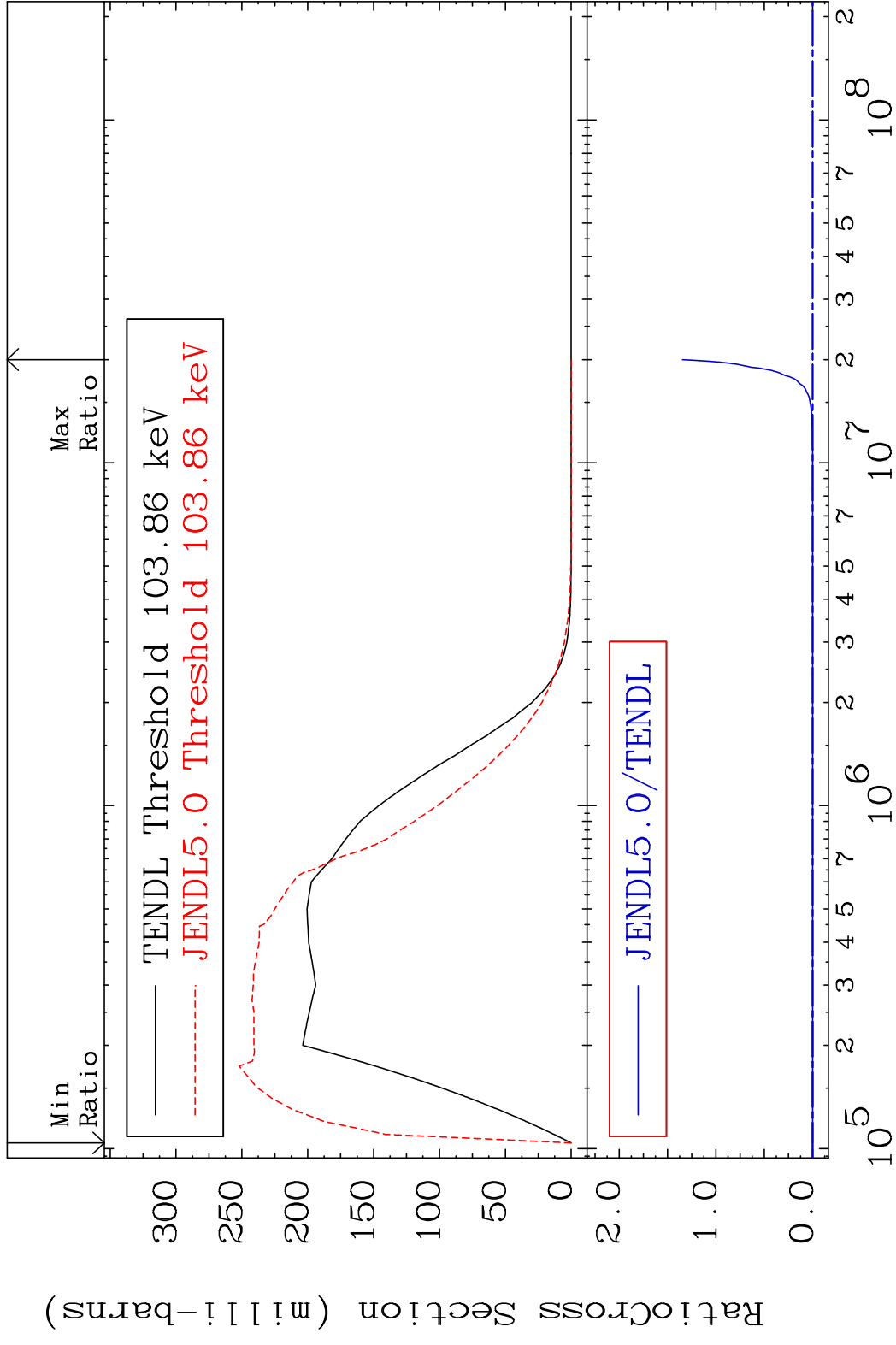
12 Incident Energy (eV) 63-Eu-153

MAT 6331 MT= 52 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %

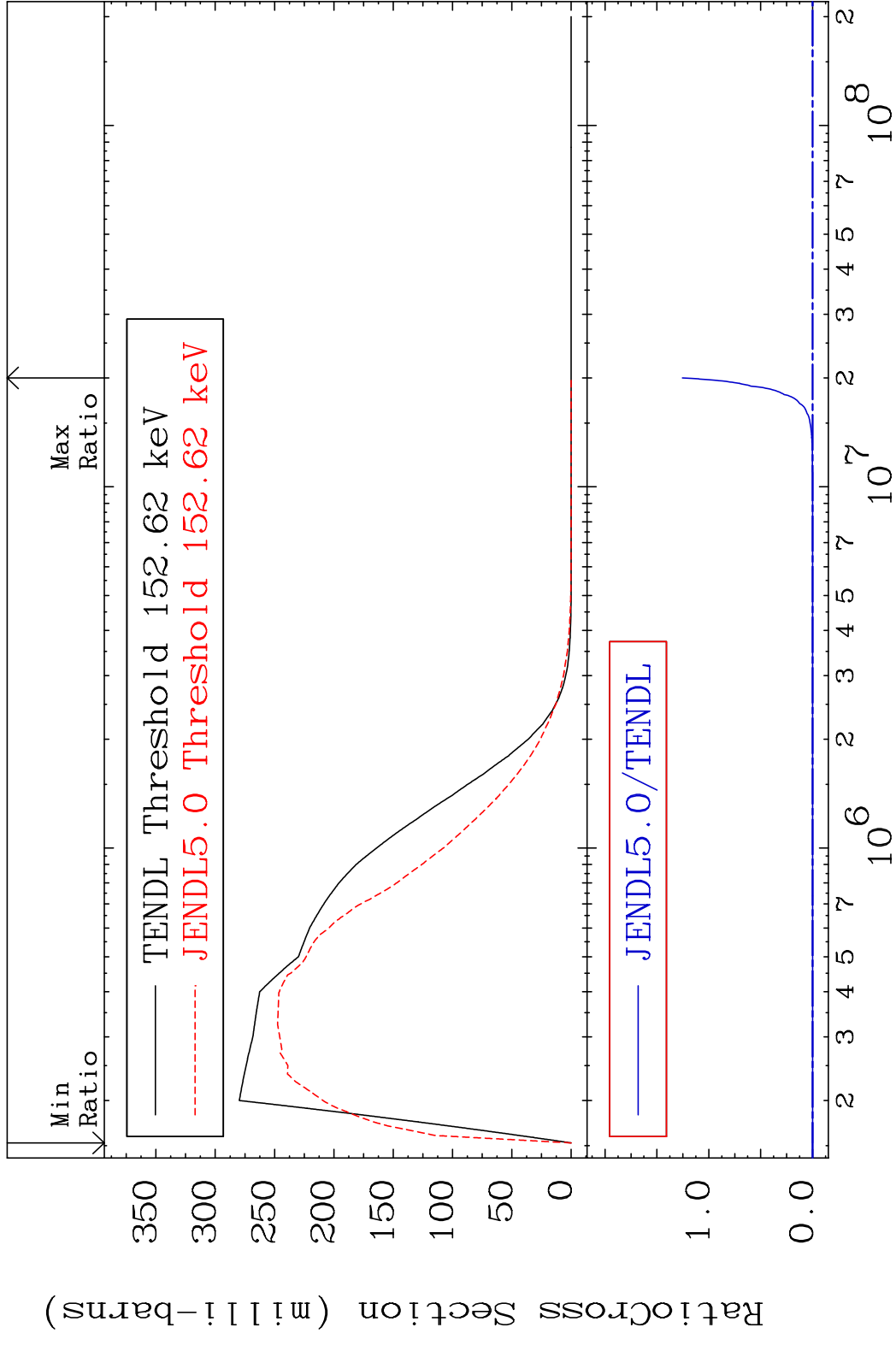


13 Incident Energy (eV) 63-Eu-153

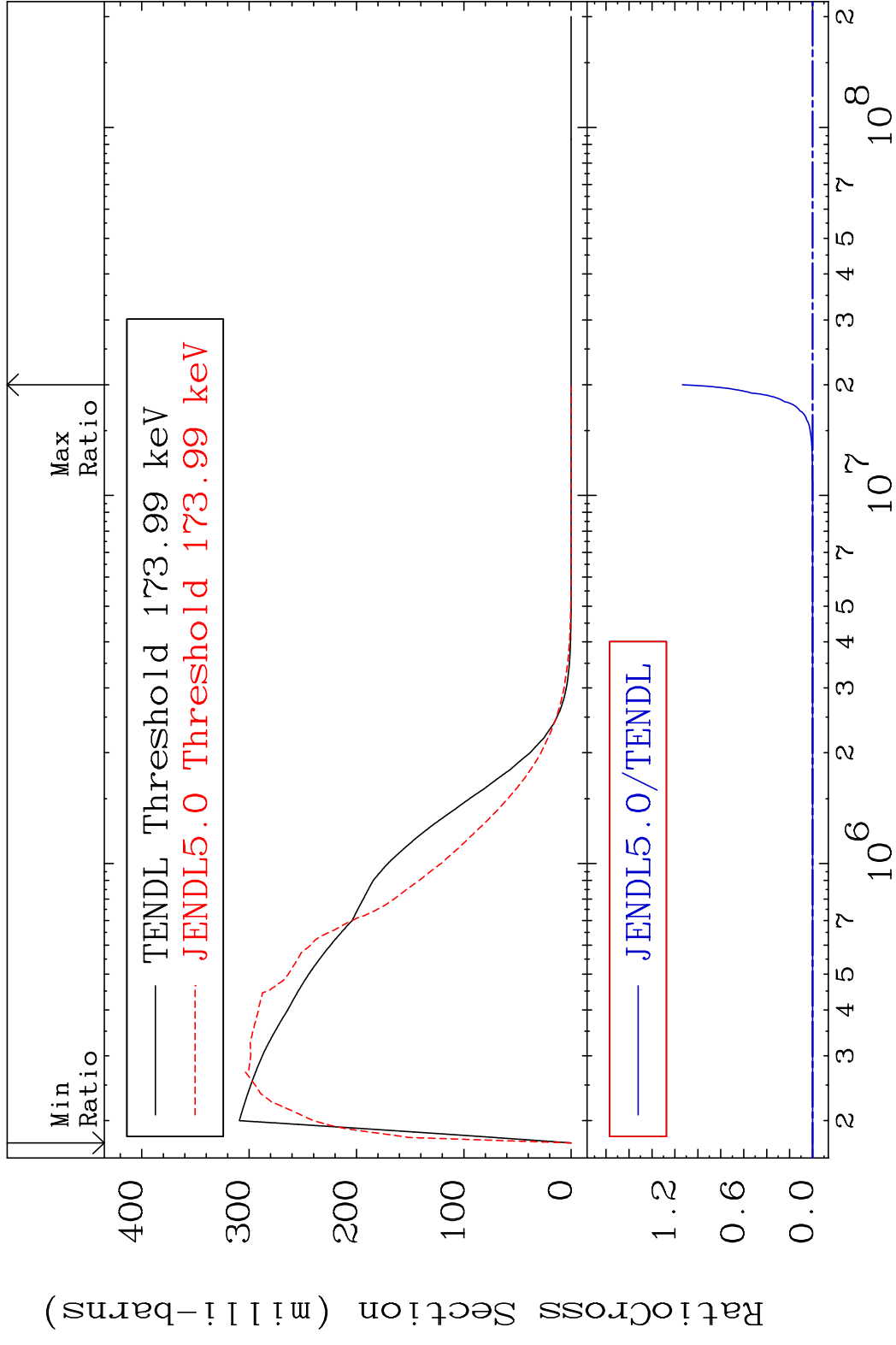
MAT 6331 MT= 53 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



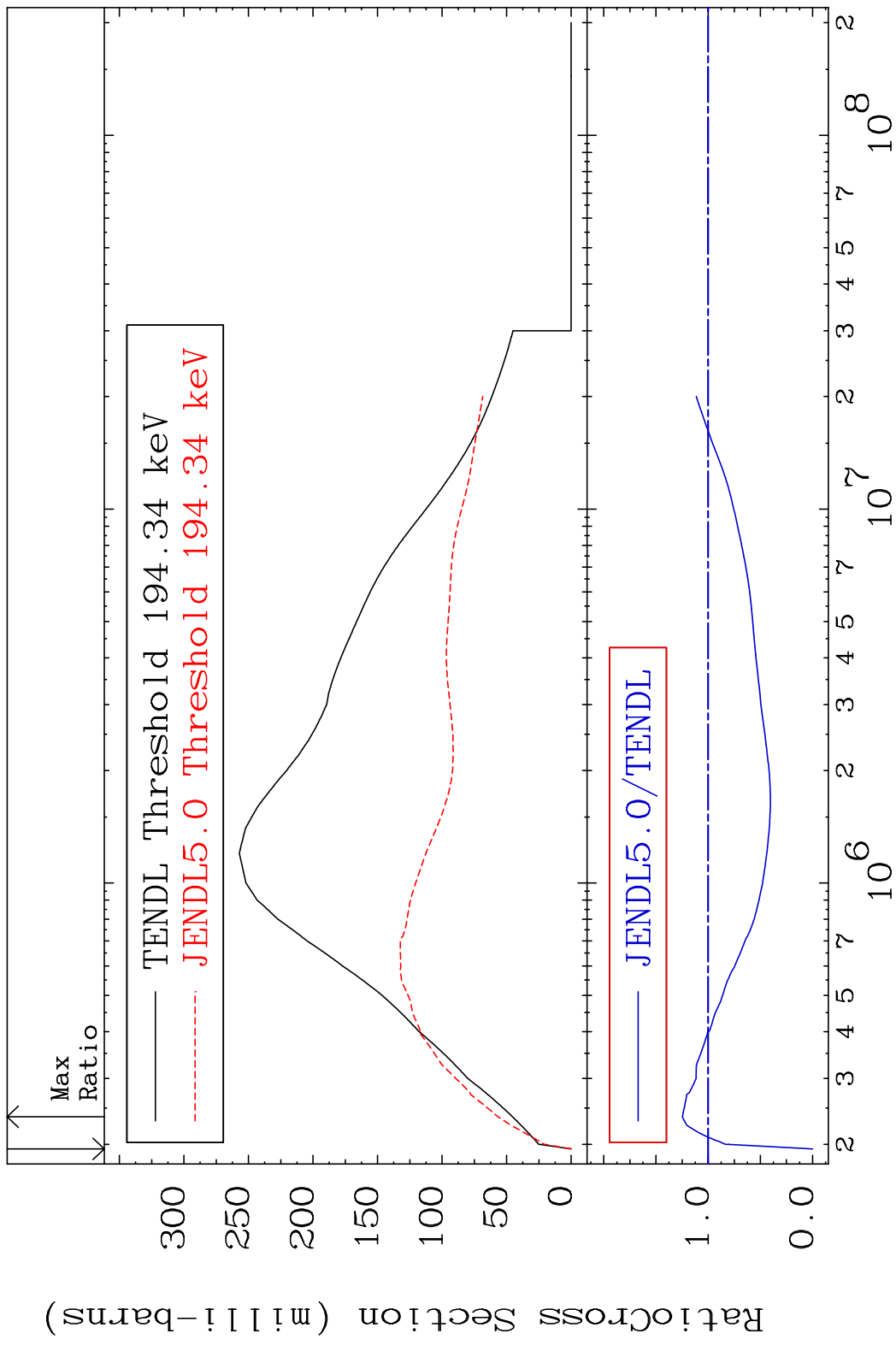
MAT 6331 MT= 54 (n,n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



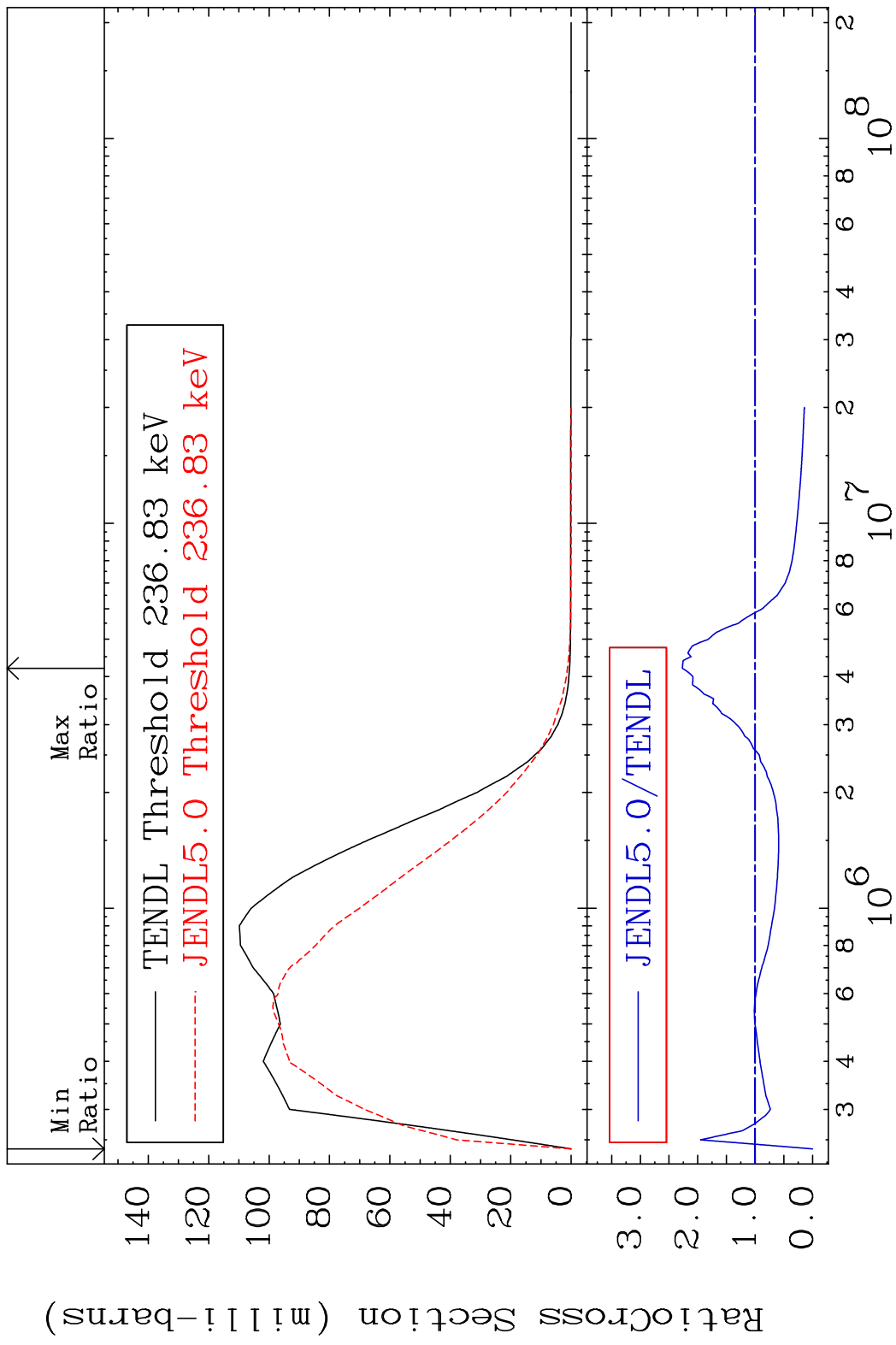
MAT 6331 MT= 55 (n,n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



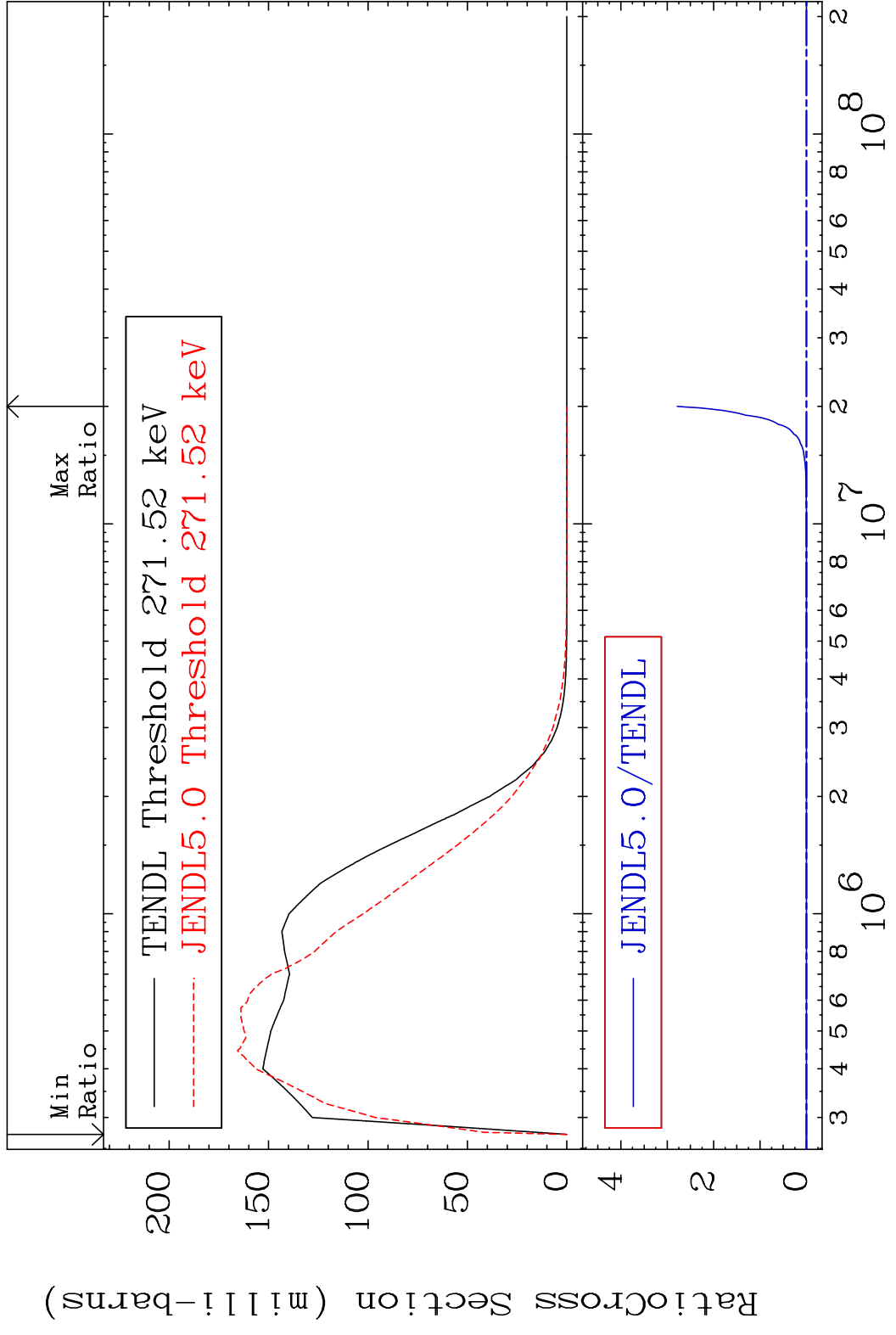
MAT 6331 MT= 56 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 24.75 %



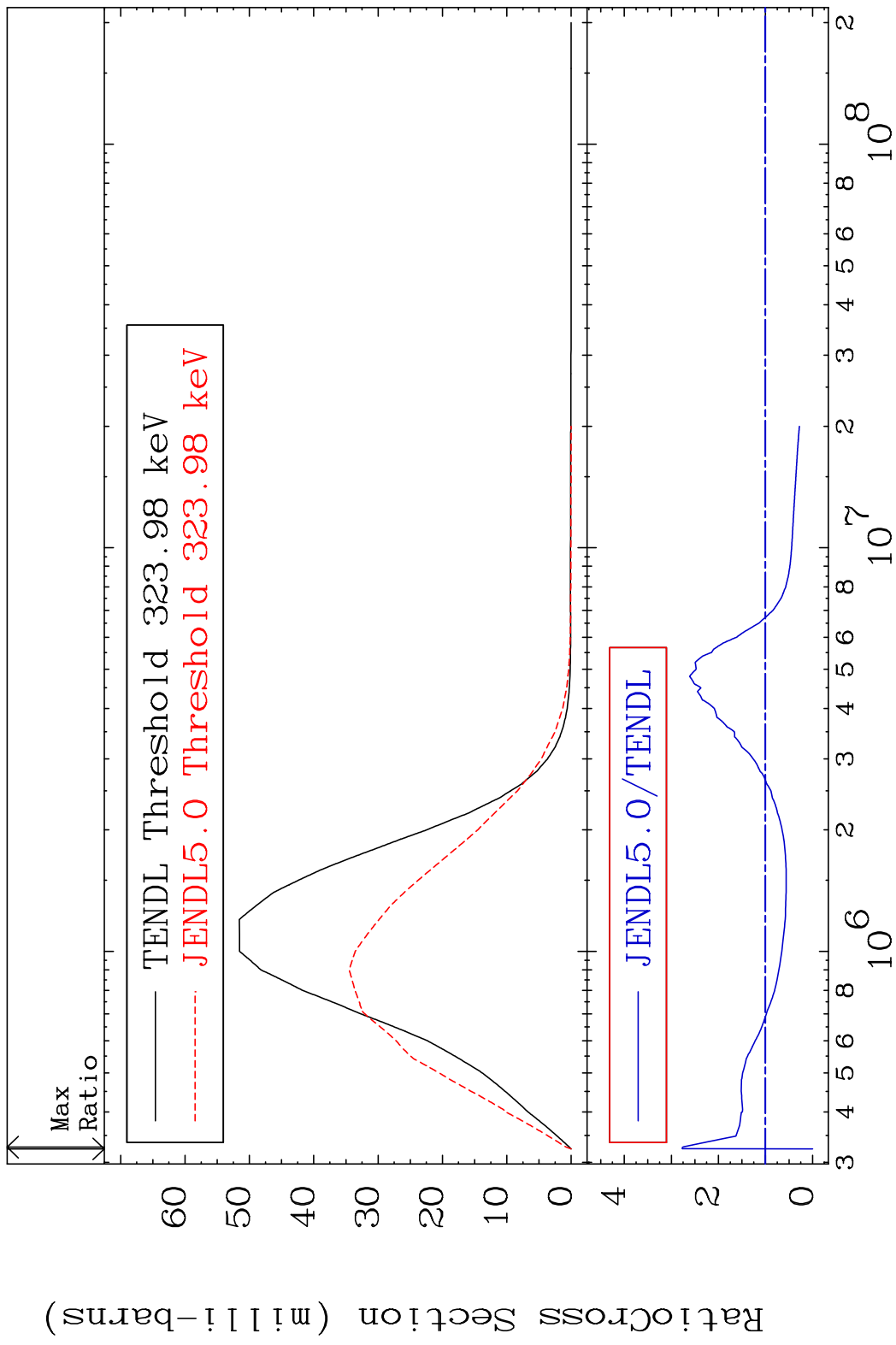
MAT 6331 MT= 57 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 126.8 %



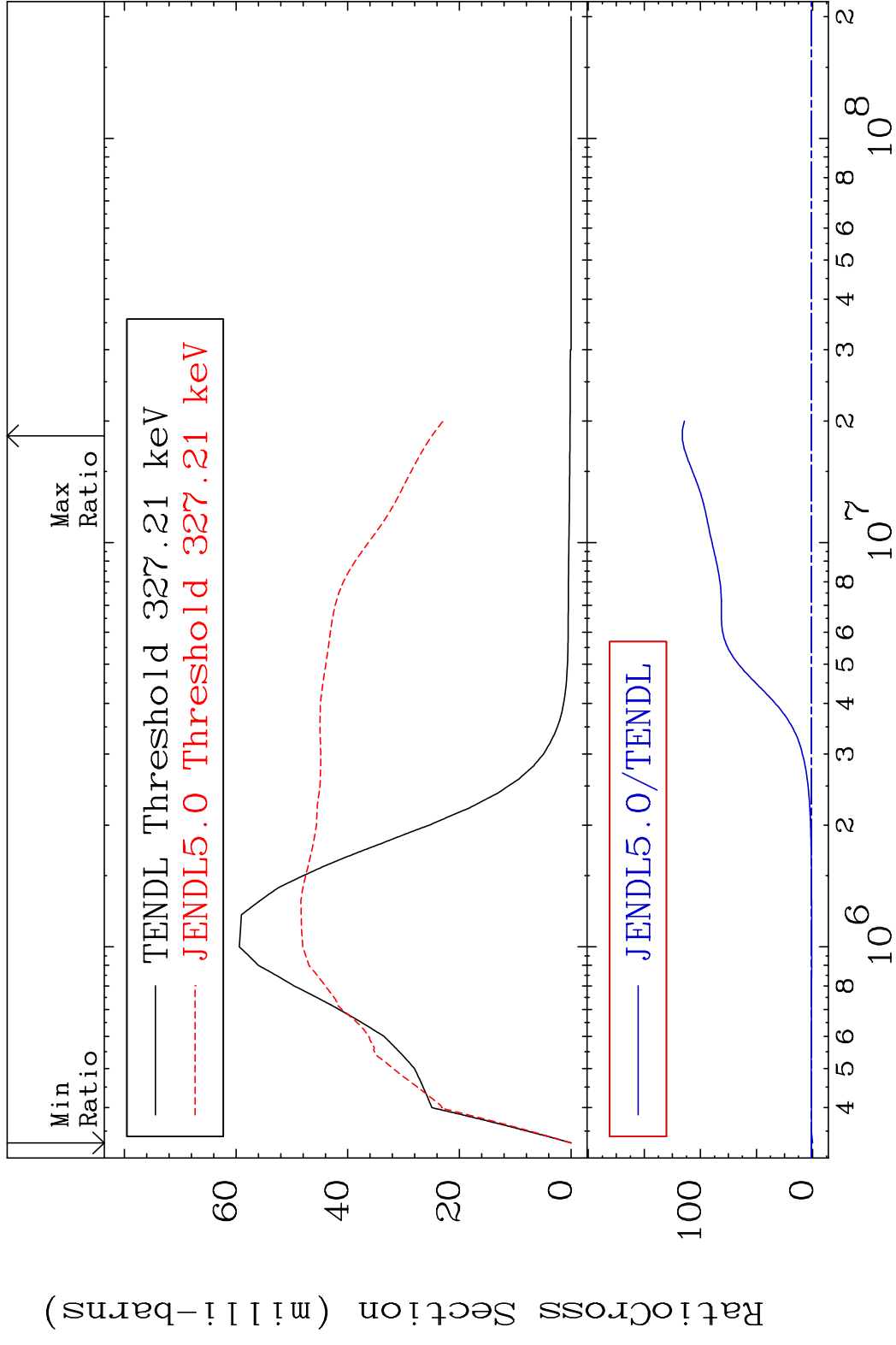
MAT 6331 MT= 58 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



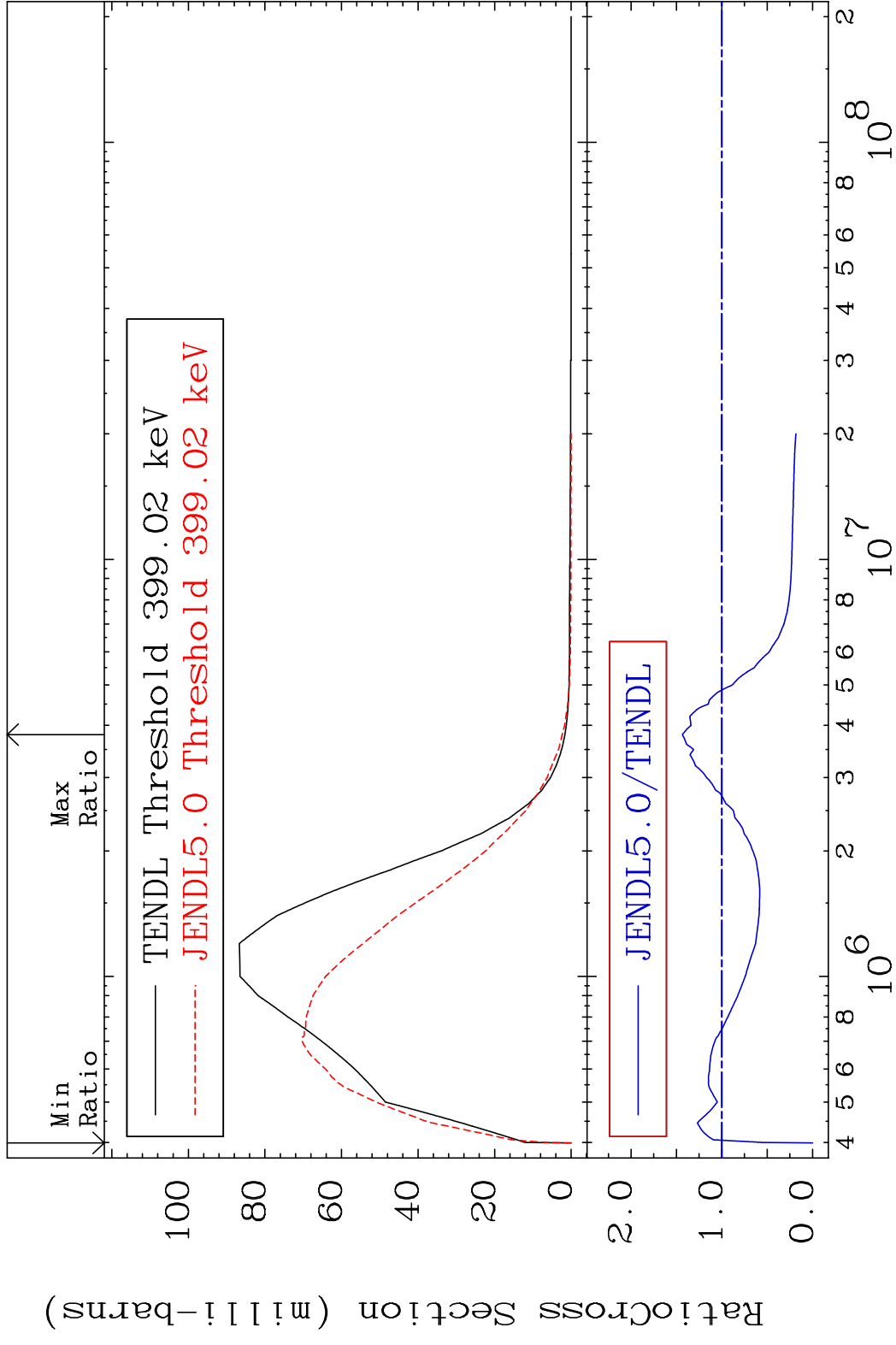
MAT 6331 MT= 59 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 176.6 %



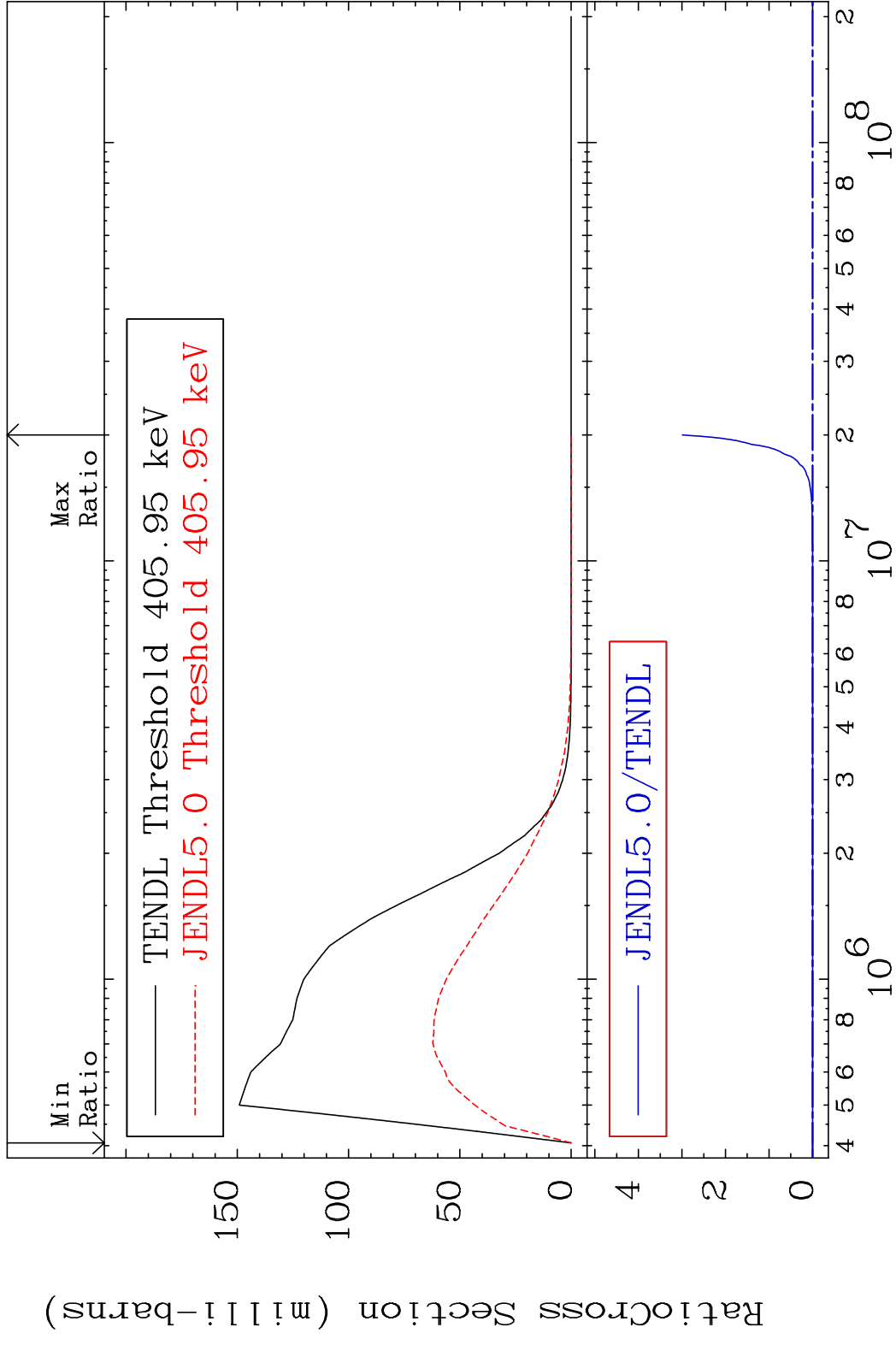
MAT 6331 MT= 60 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



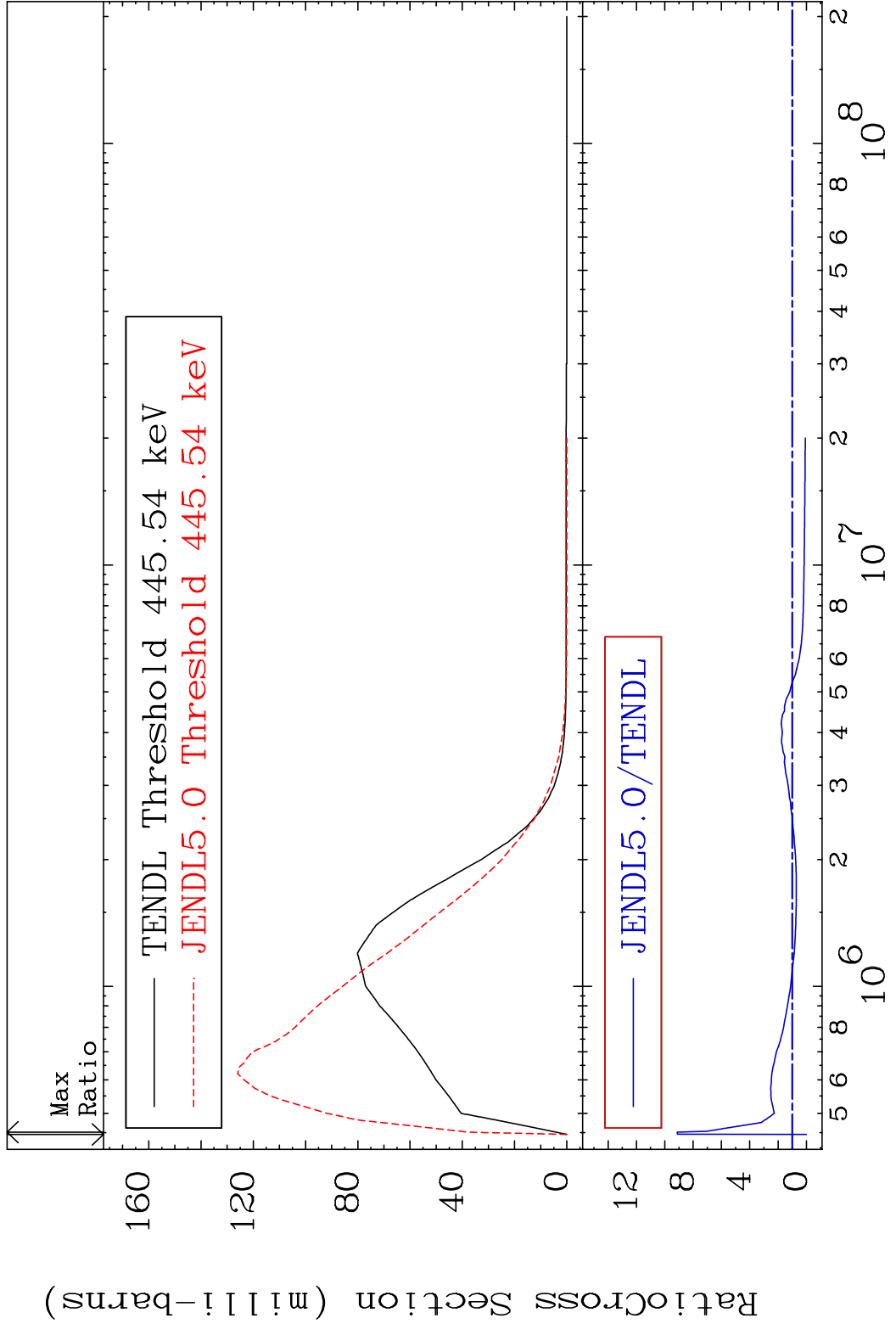
MAT 6331 MT= 61 (n,n') Level 63-Eu-153
 Cross Section -100.0 To 43.49 %



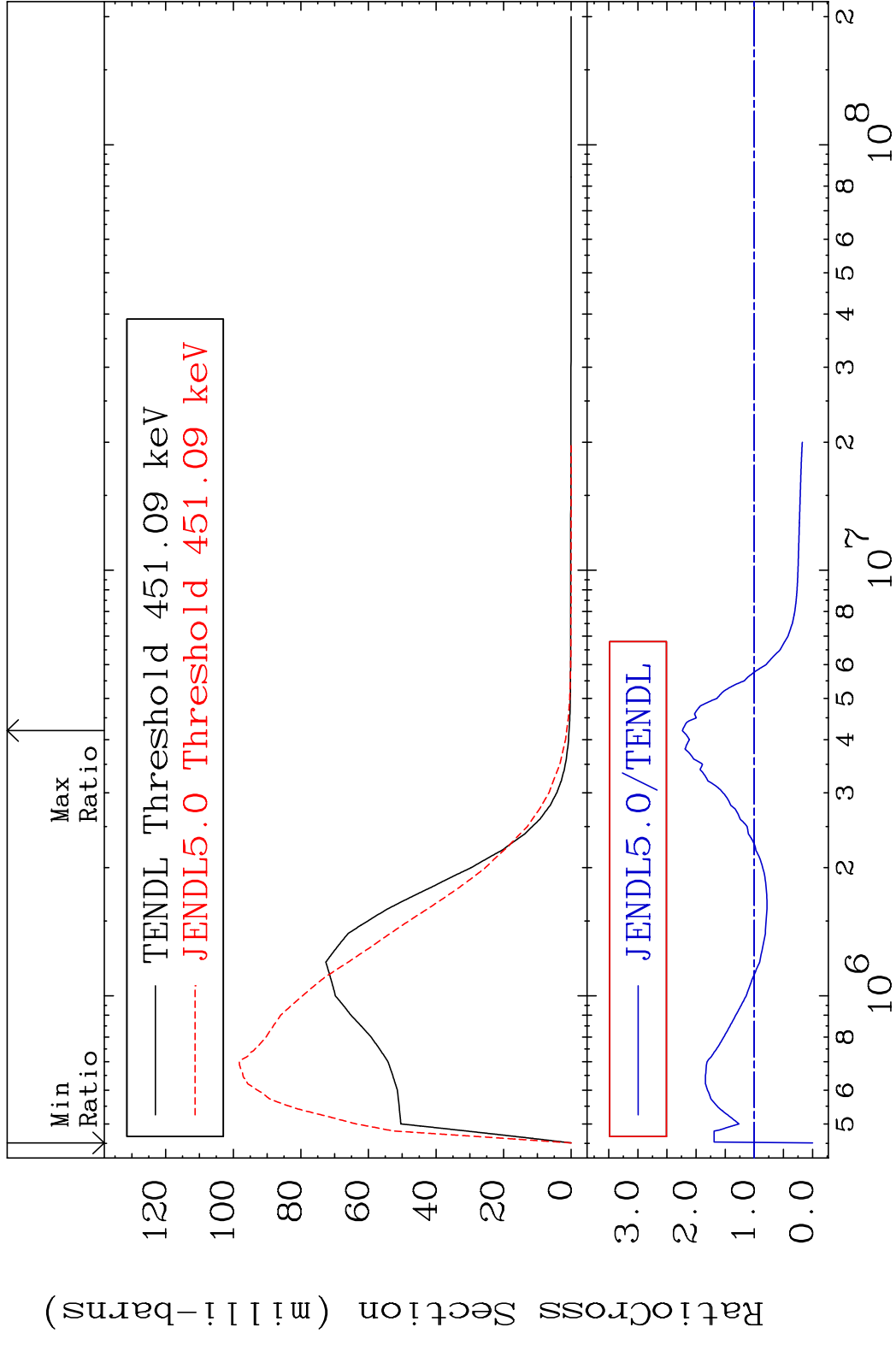
MAT 6331 MT= 62 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



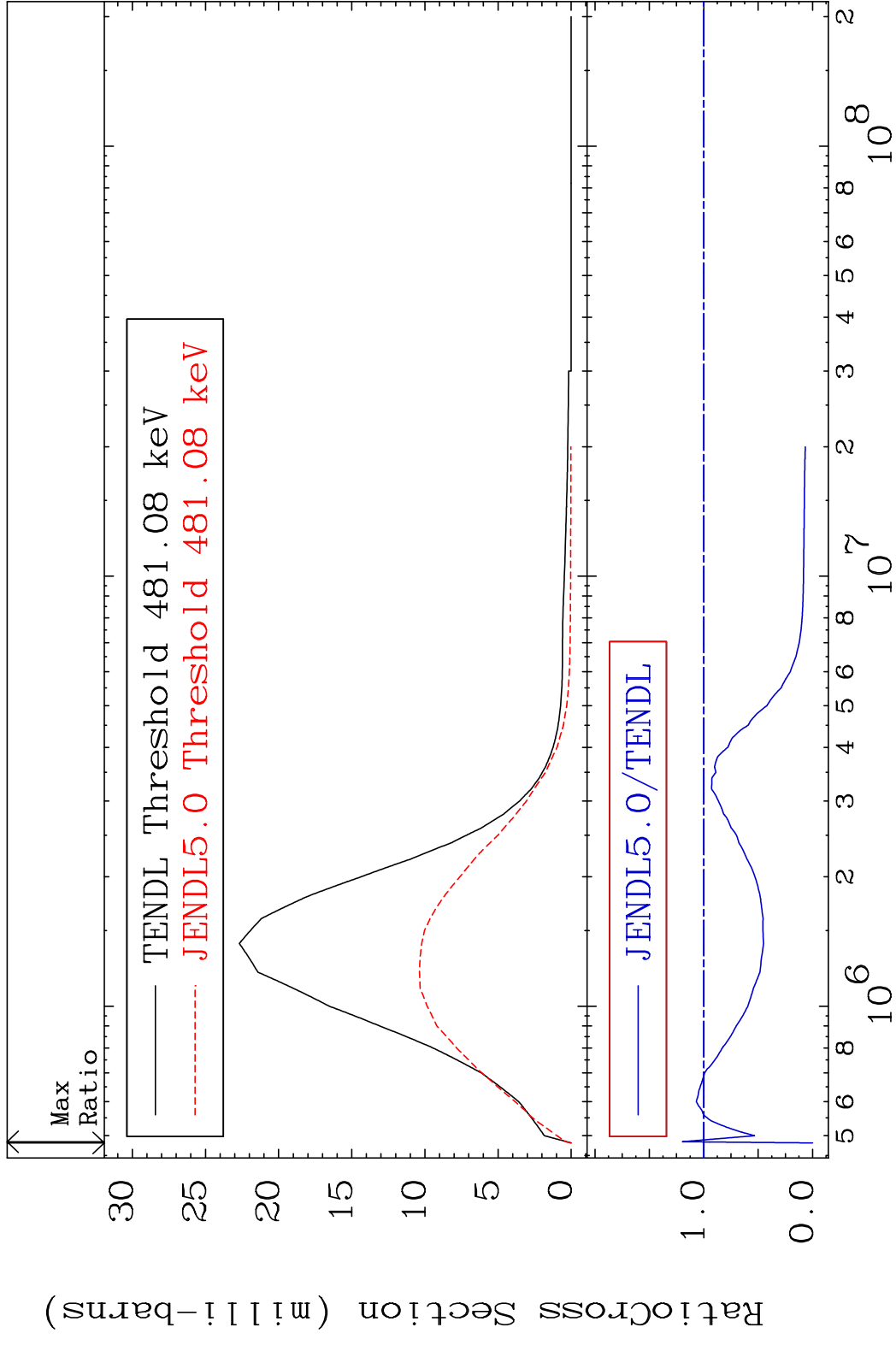
MAT 6331 MT= 63 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 812.4 %



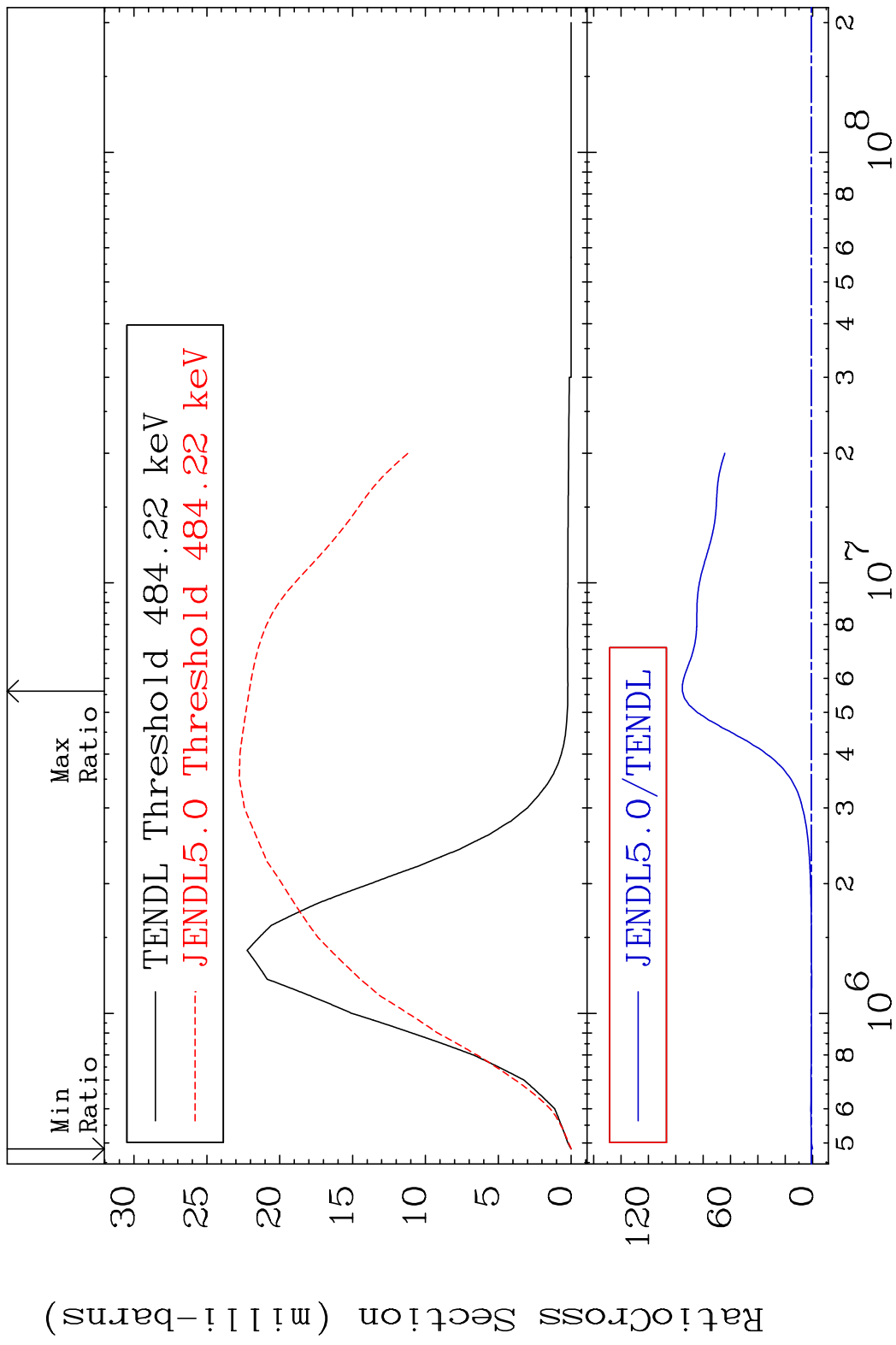
MAT 6331 MT= 64 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 123.6 %



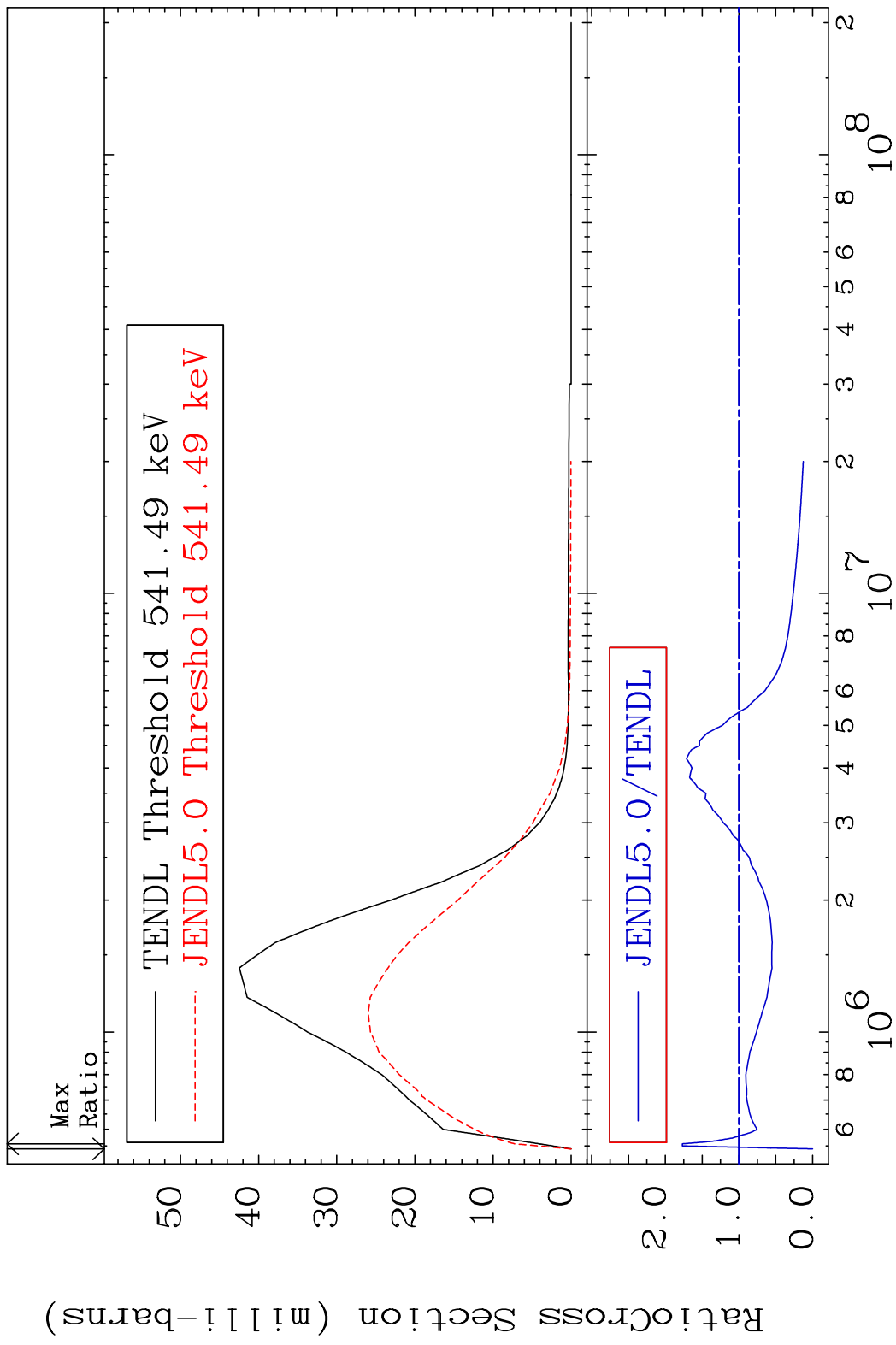
MAT 6331 MT= 65 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 19.68 %



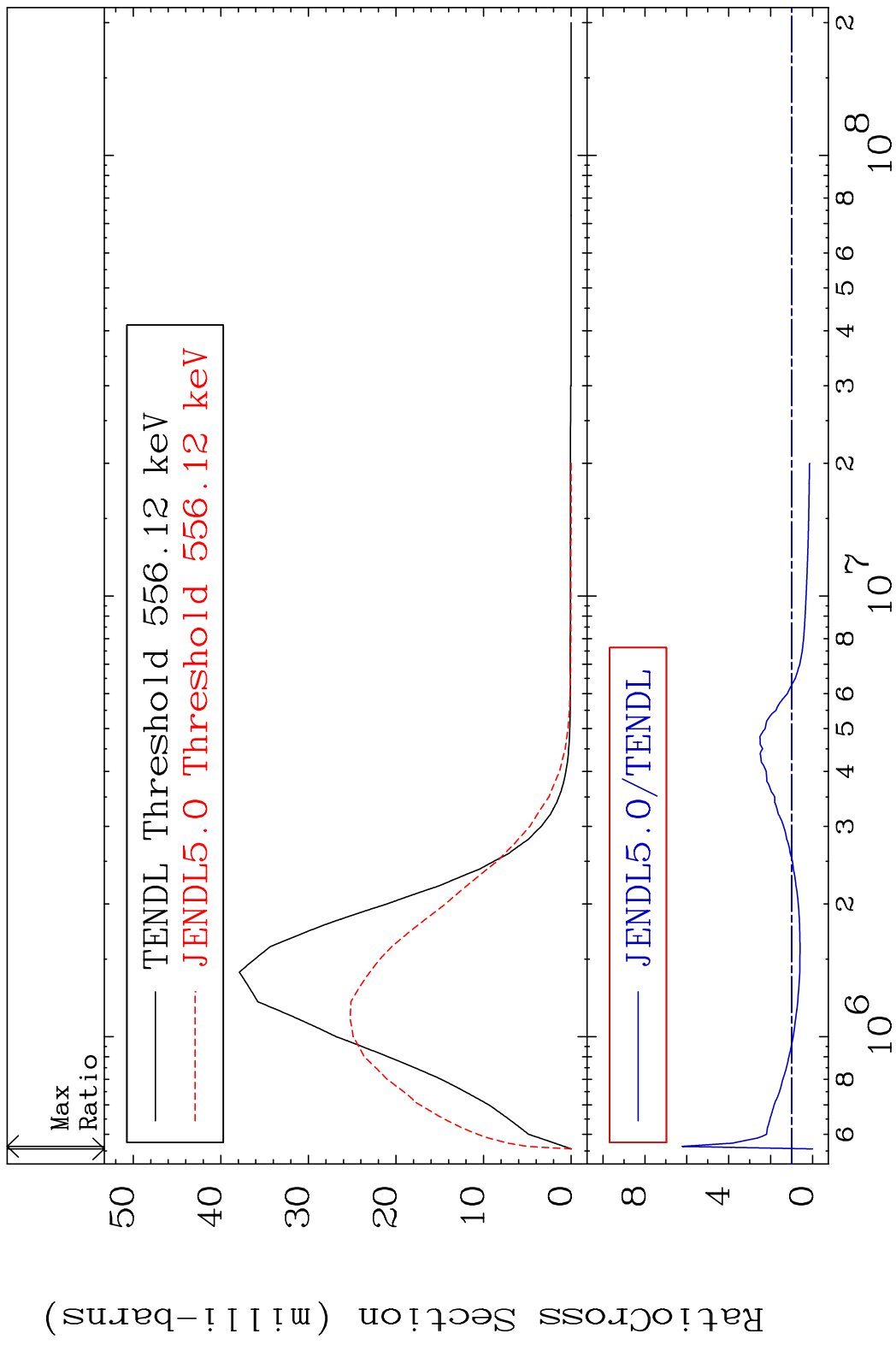
MAT 6331 MT= 66 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9419. %



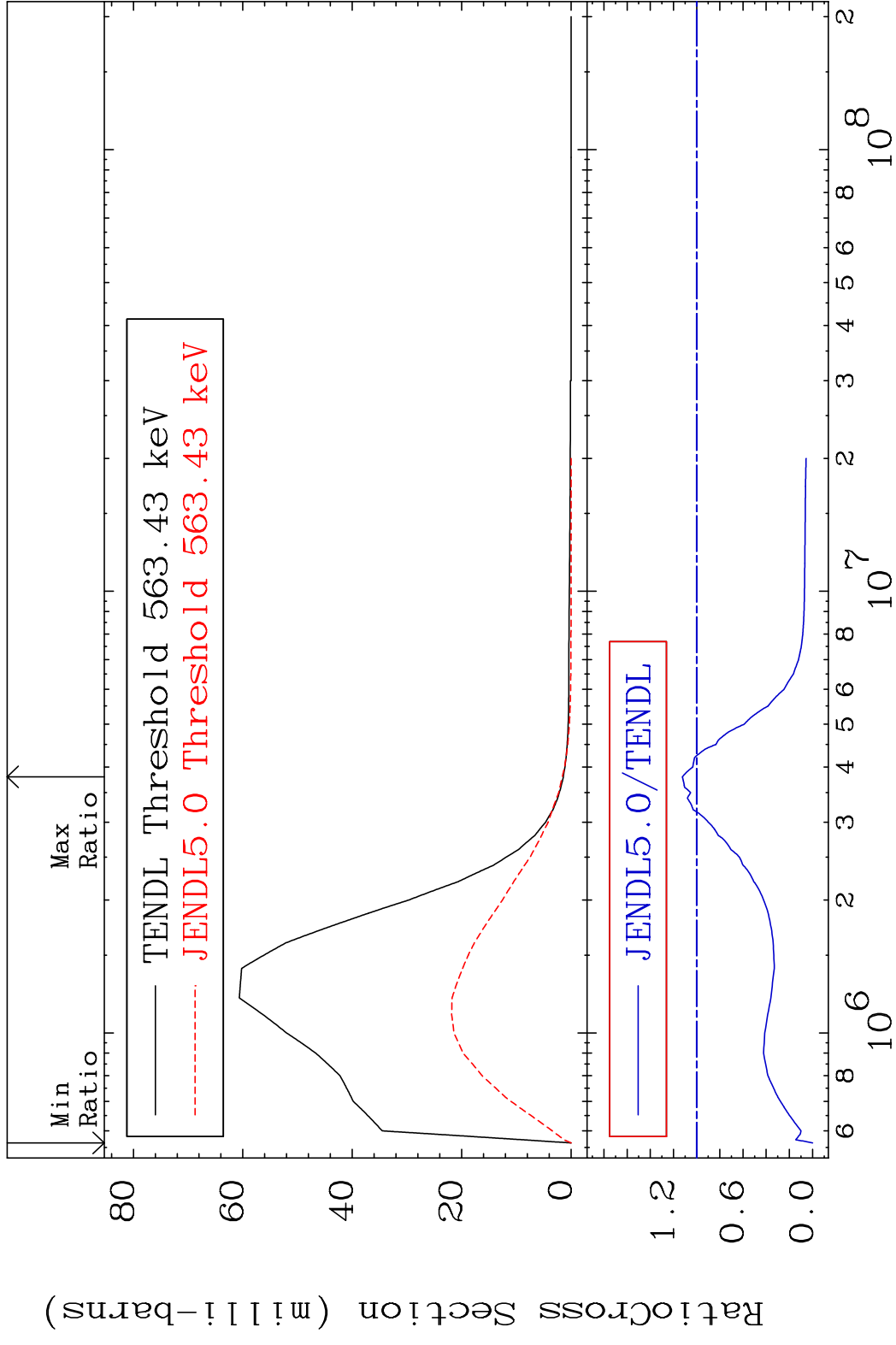
MAT 6331 MT= 67 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 76.85 %



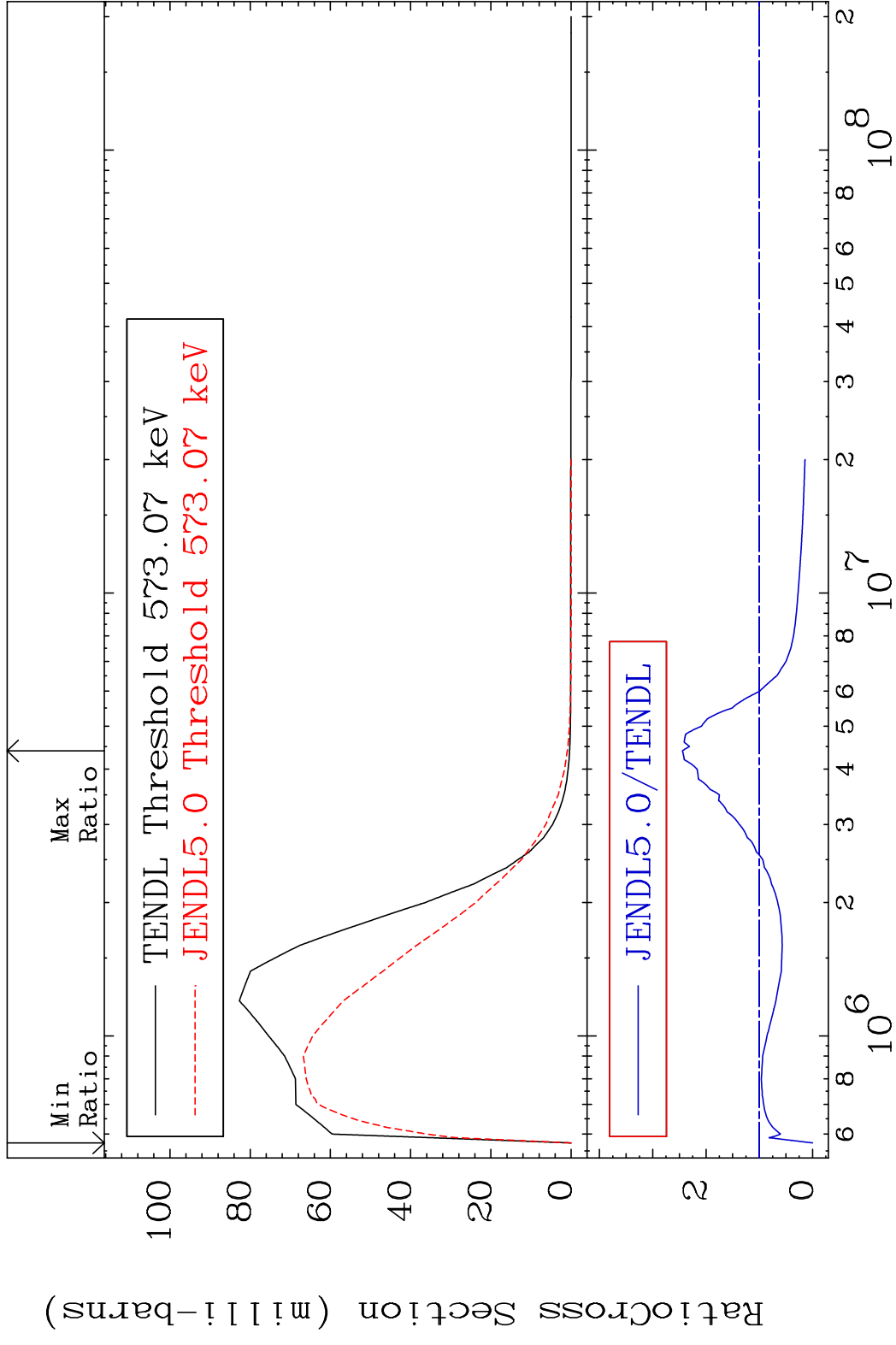
MAT 6331 MT= 68 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 521.2 %



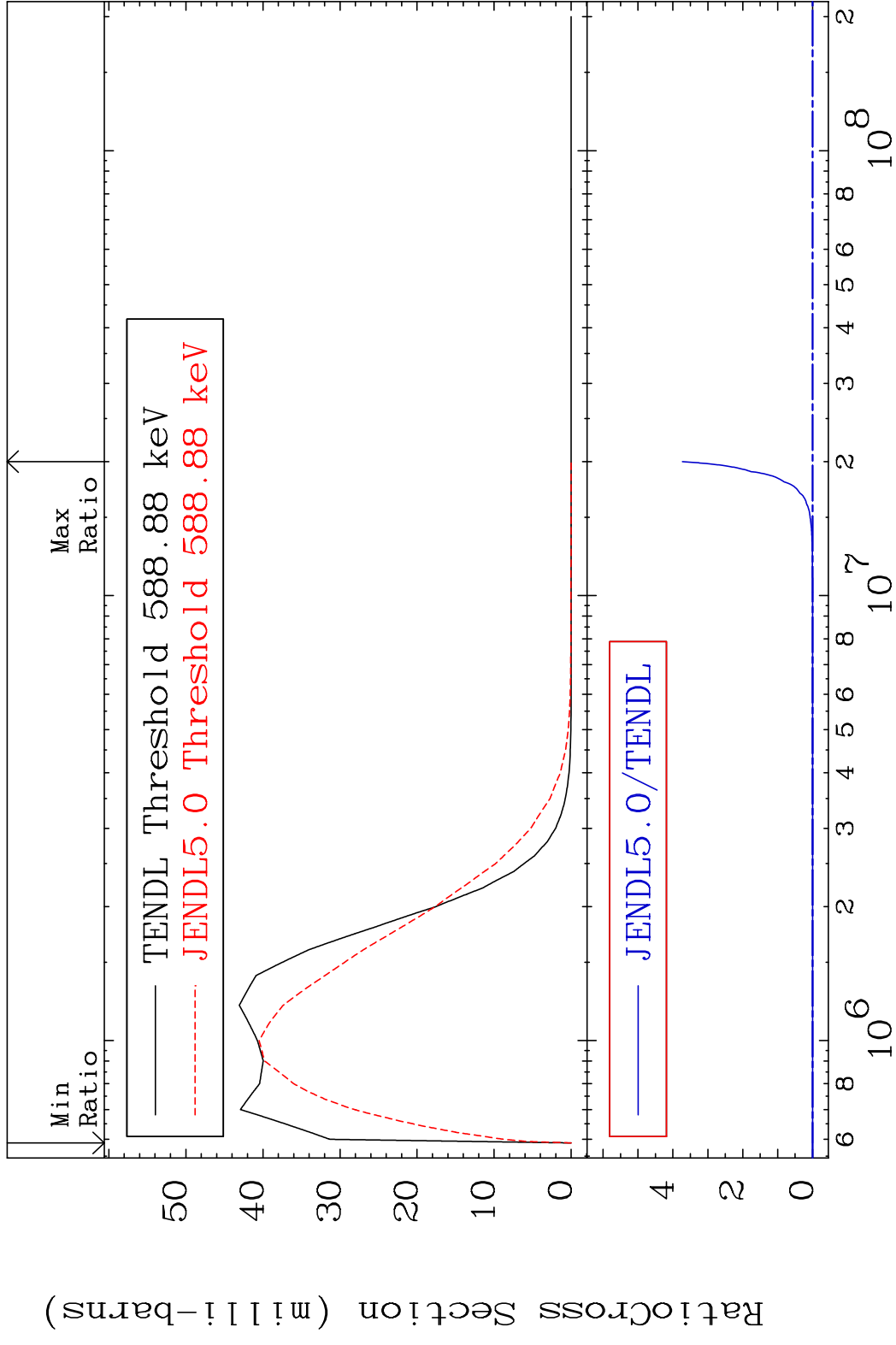
MAT 6331 MT= 69 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 12.33 %



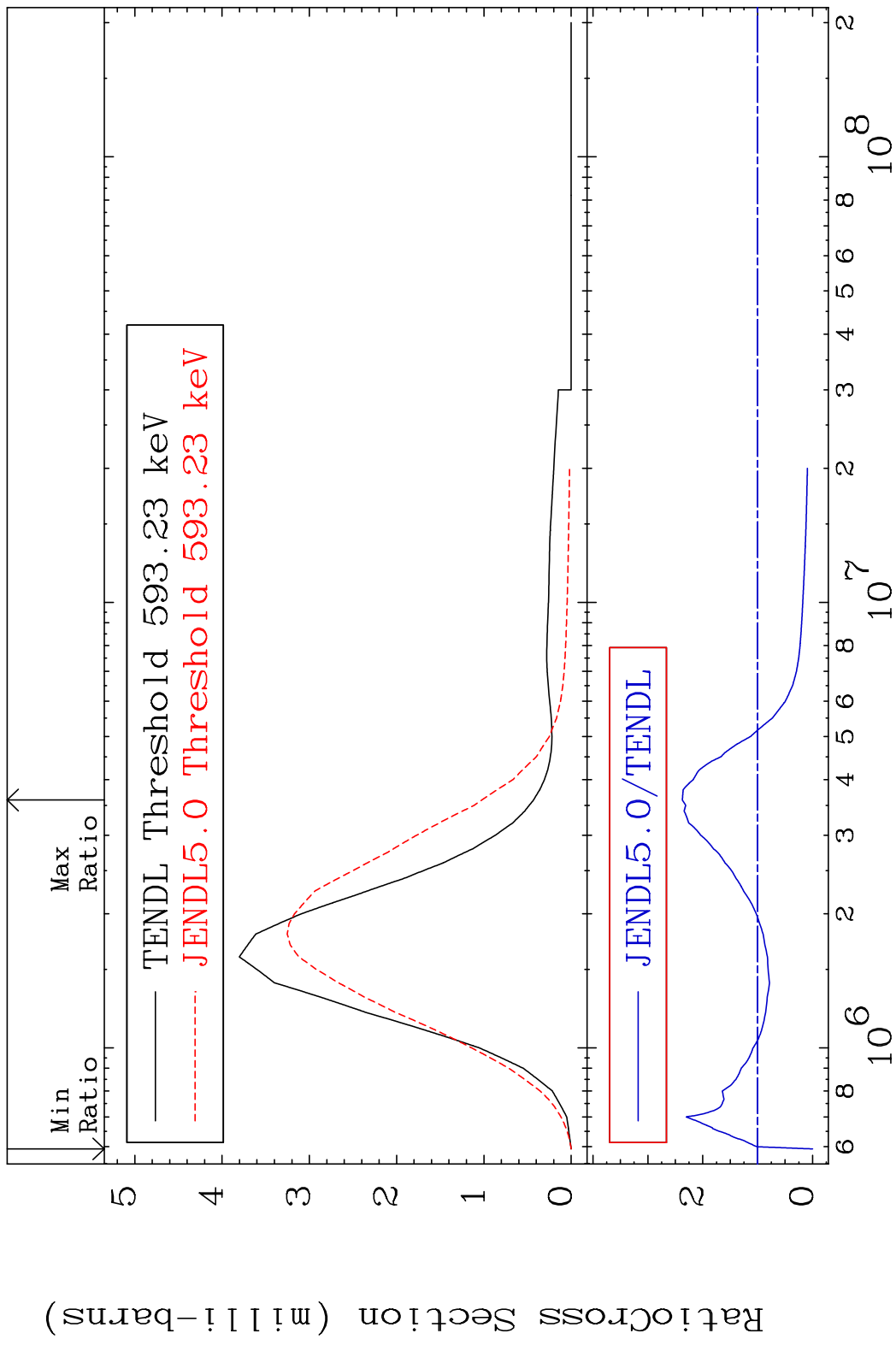
MAT 6331 MT= 70 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 144.4 %



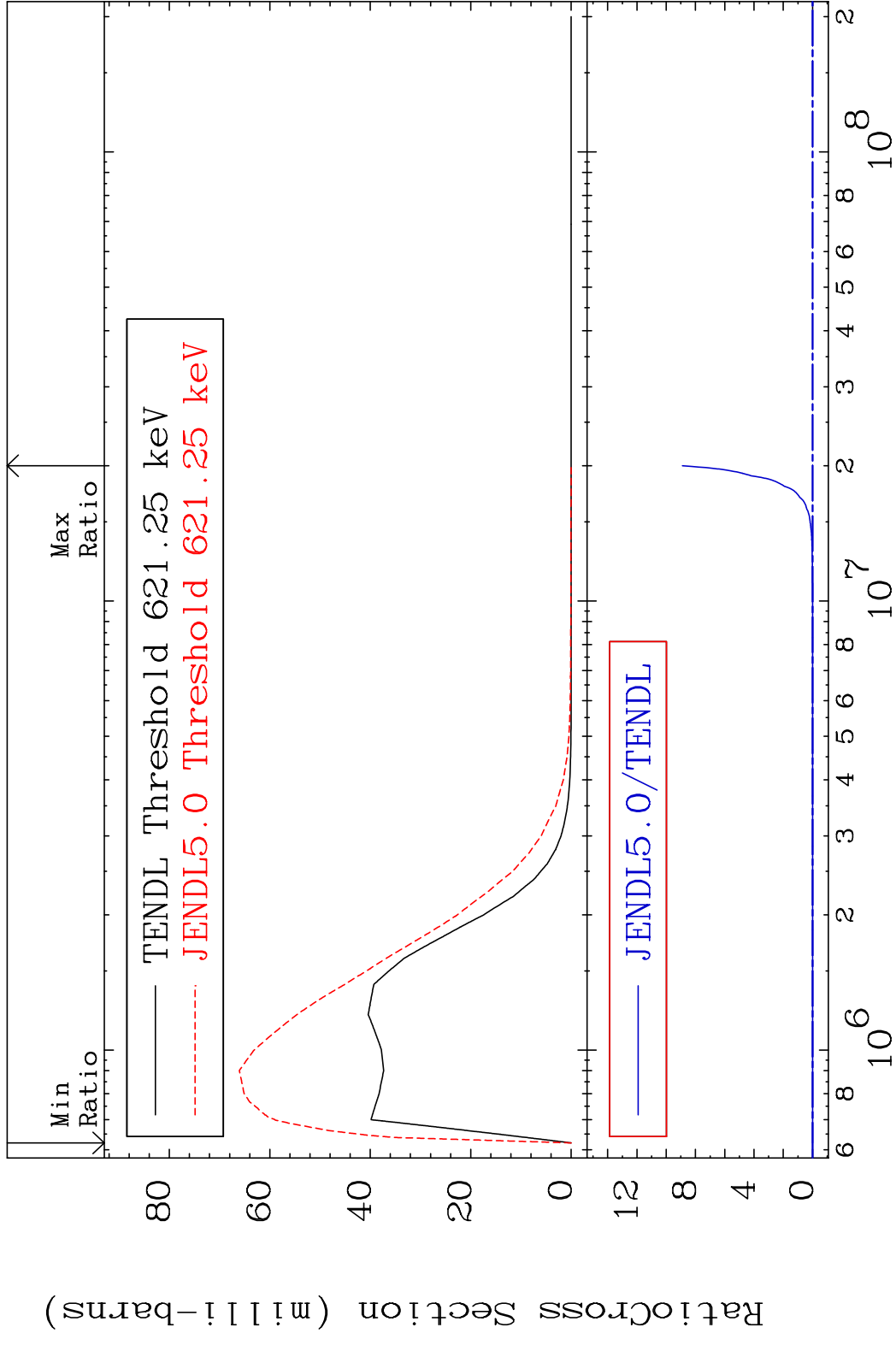
MAT 6331 MT= 71 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



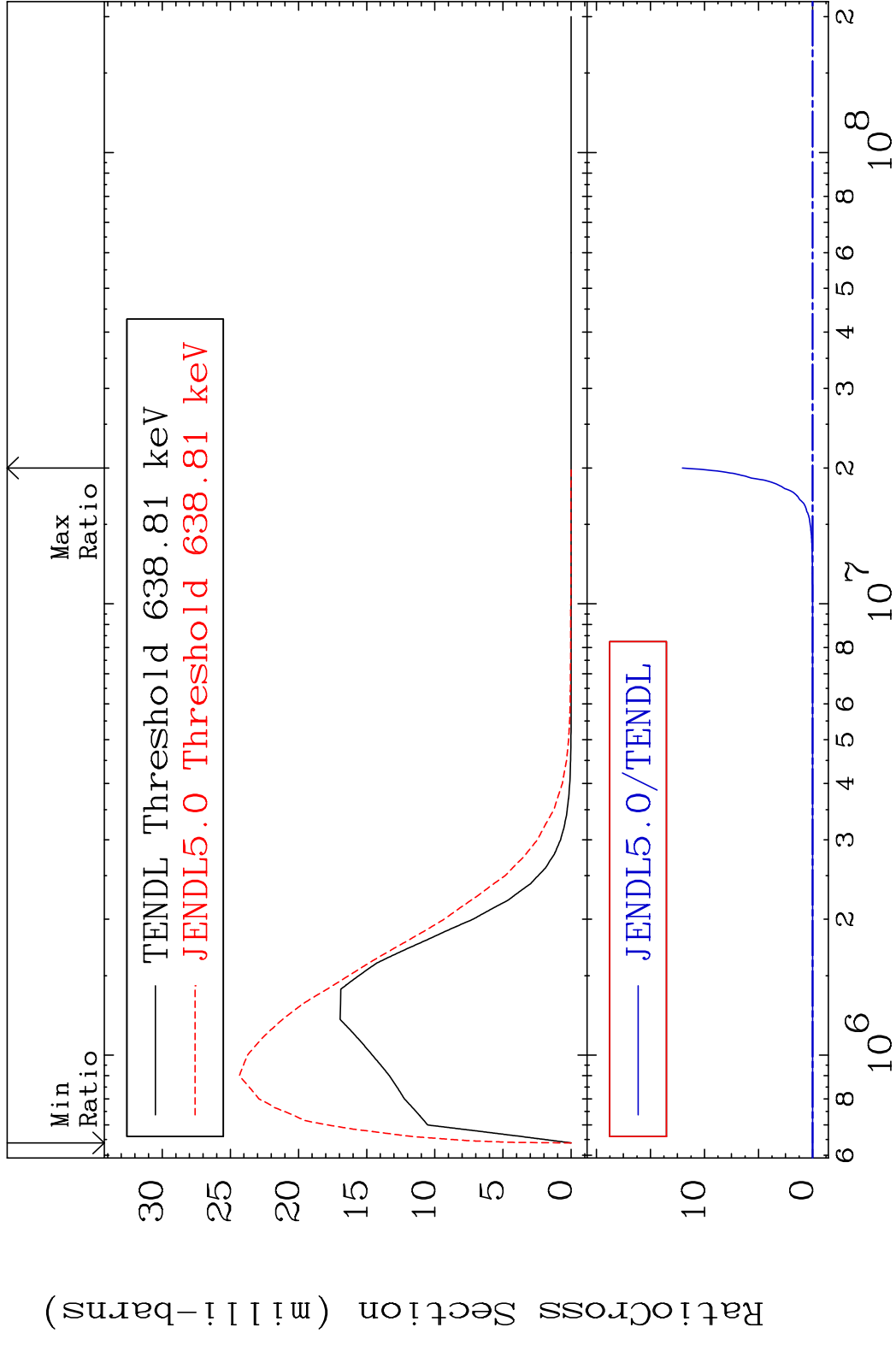
MAT 6331 MT= 72 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 137.2 %



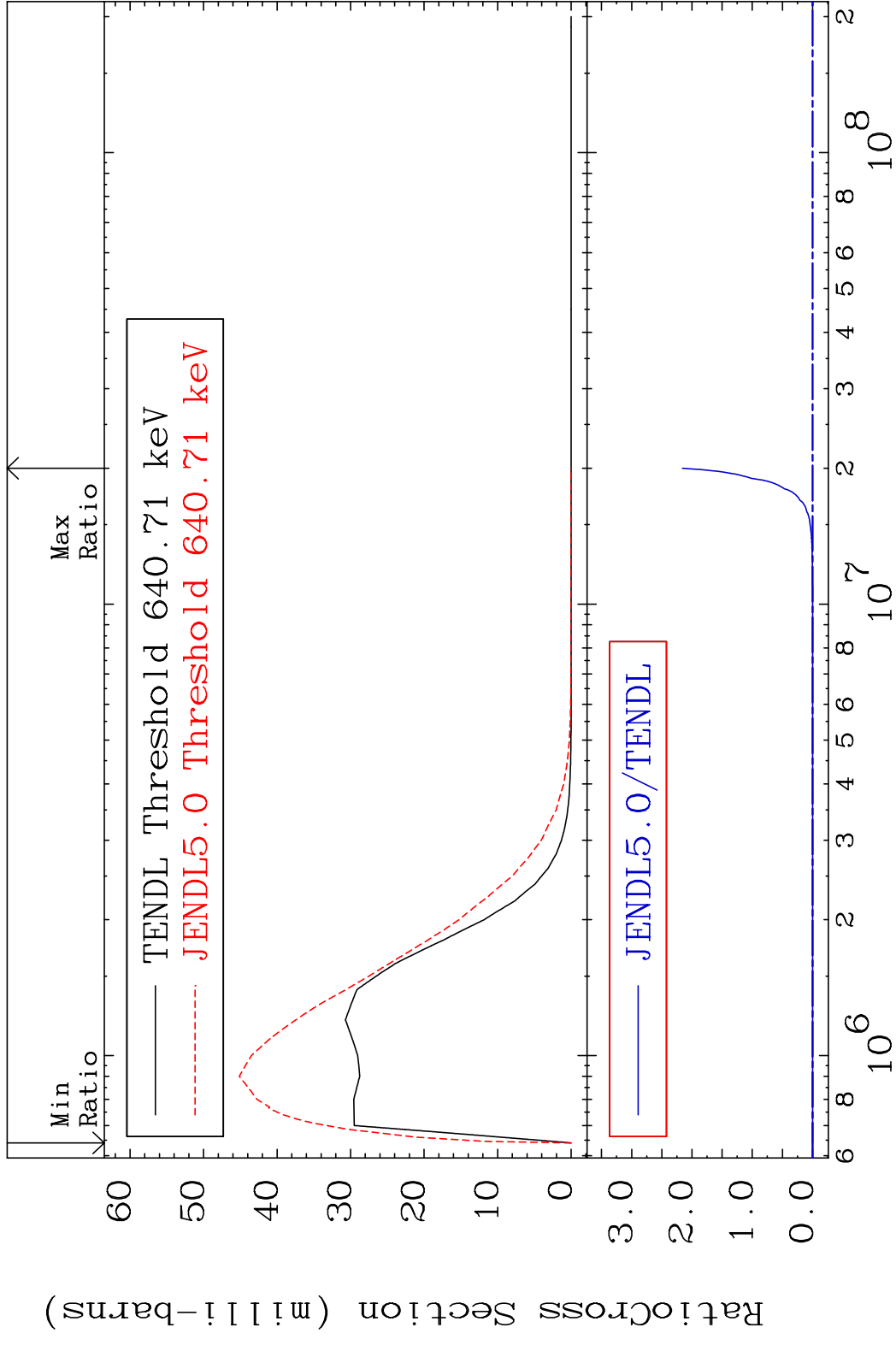
MAT 6331 MT= 73 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



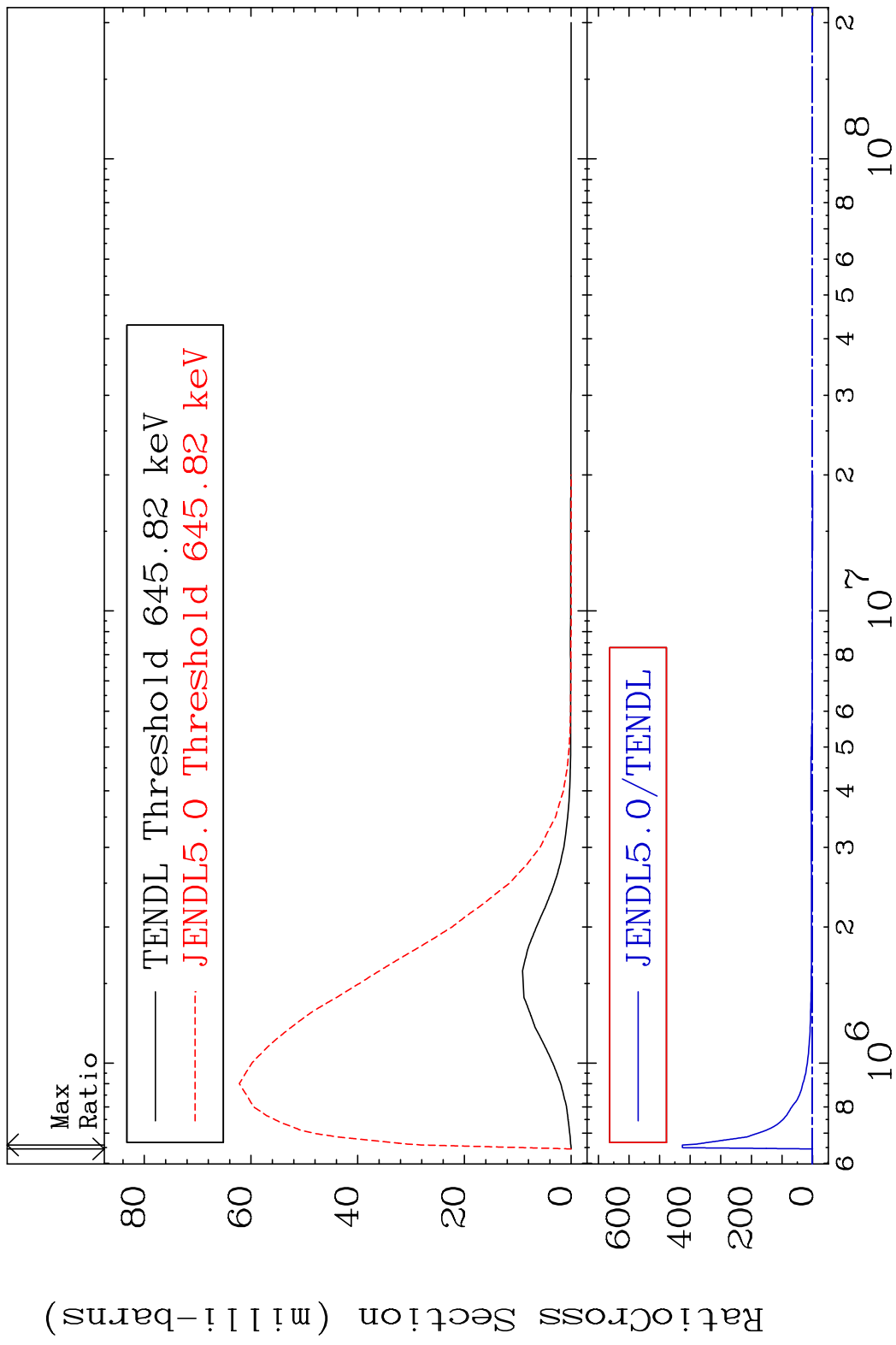
MAT 6331 MT= 74 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



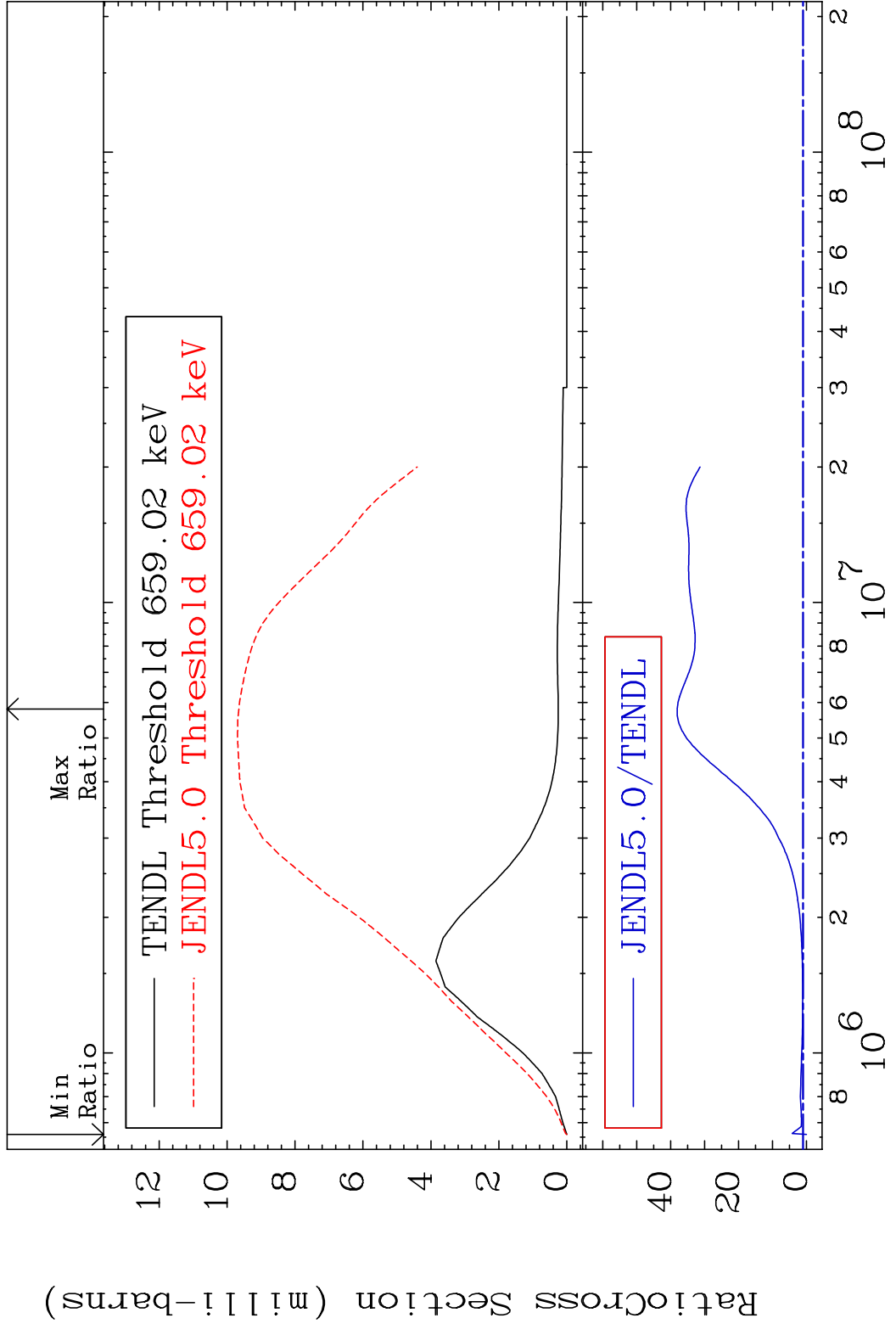
MAT 6331 MT= 75 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



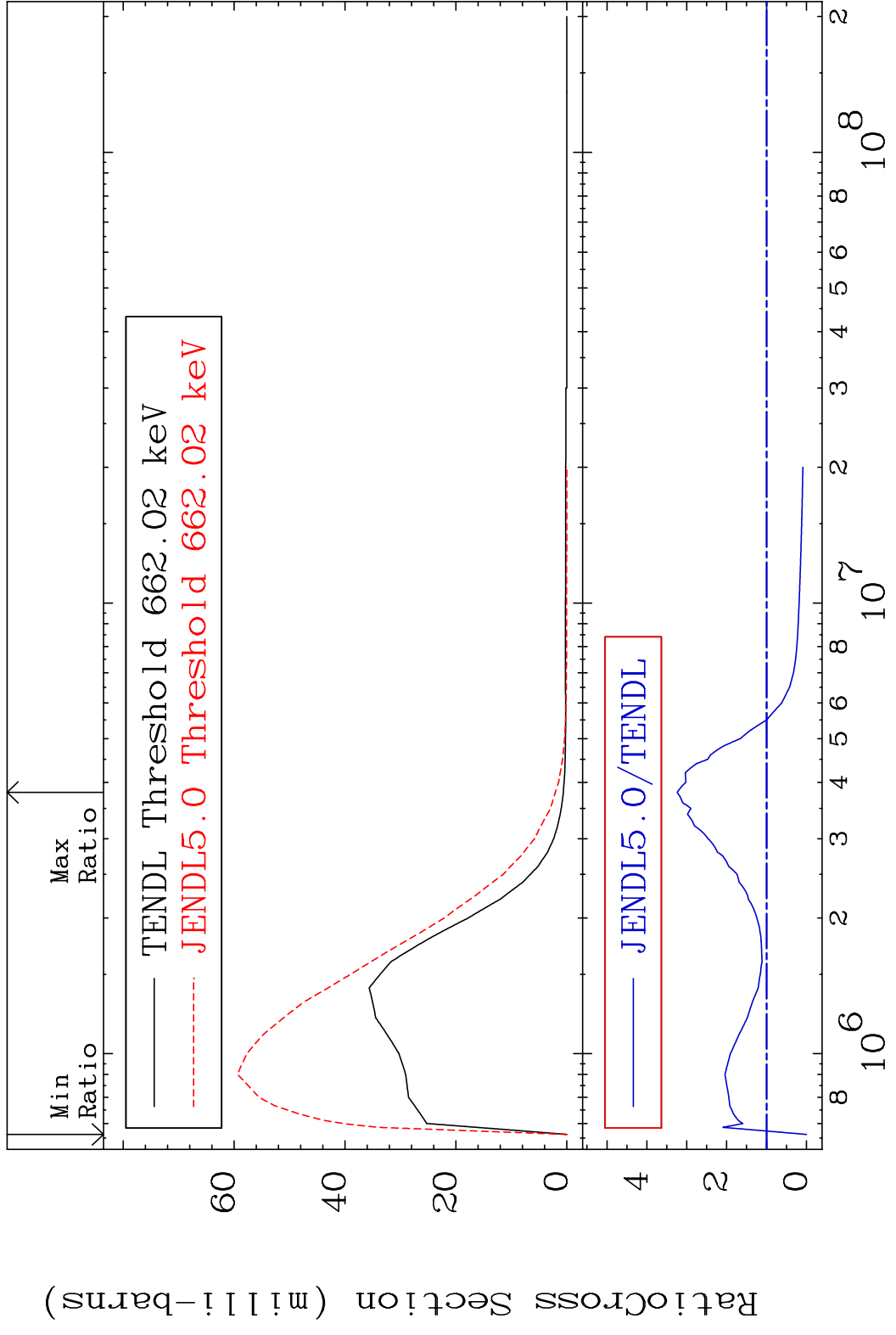
MAT 6331 MT= 76 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



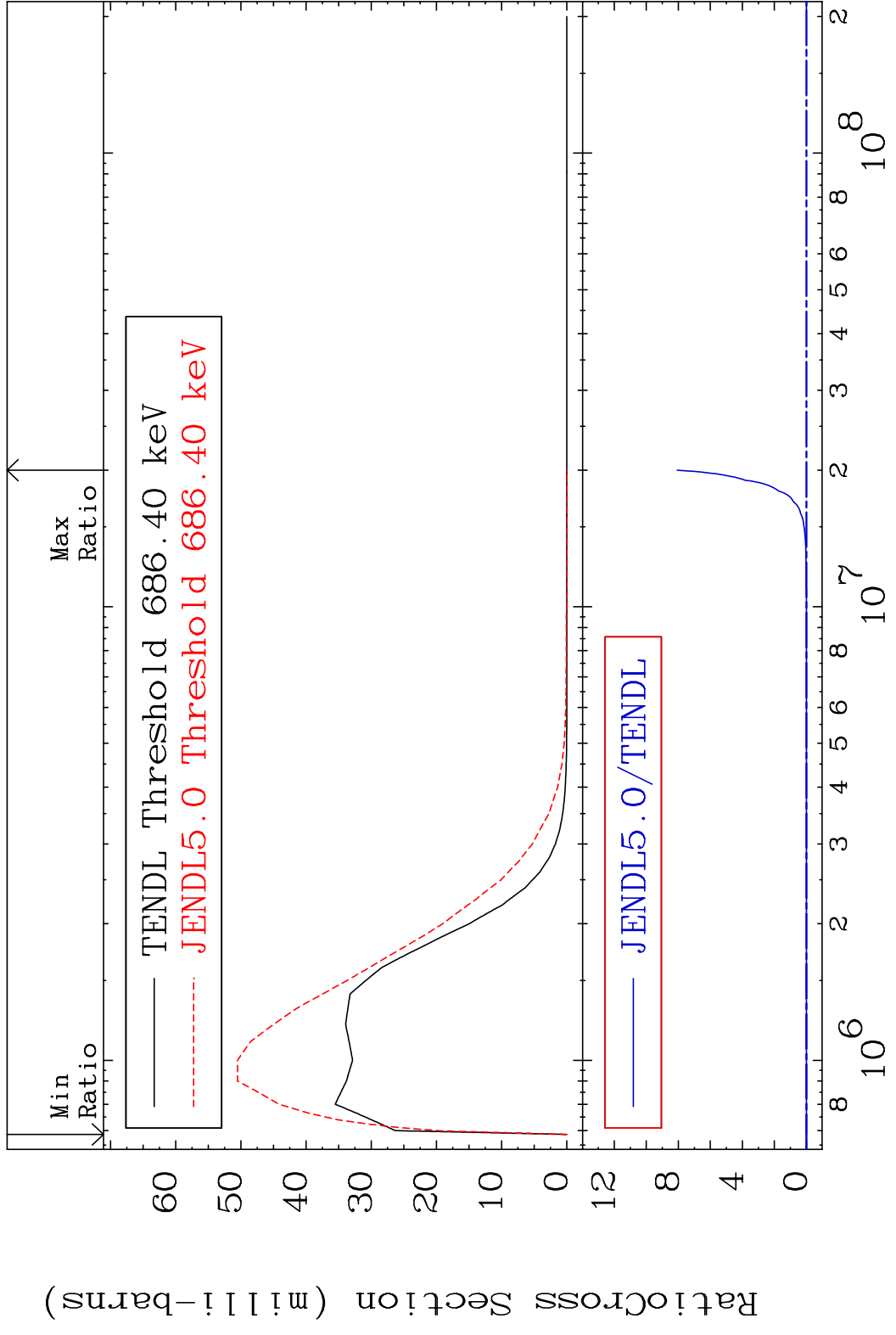
MAT 6331 MT= 77 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 3707. %



MAT 6331 MT= 78 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 223.9 %

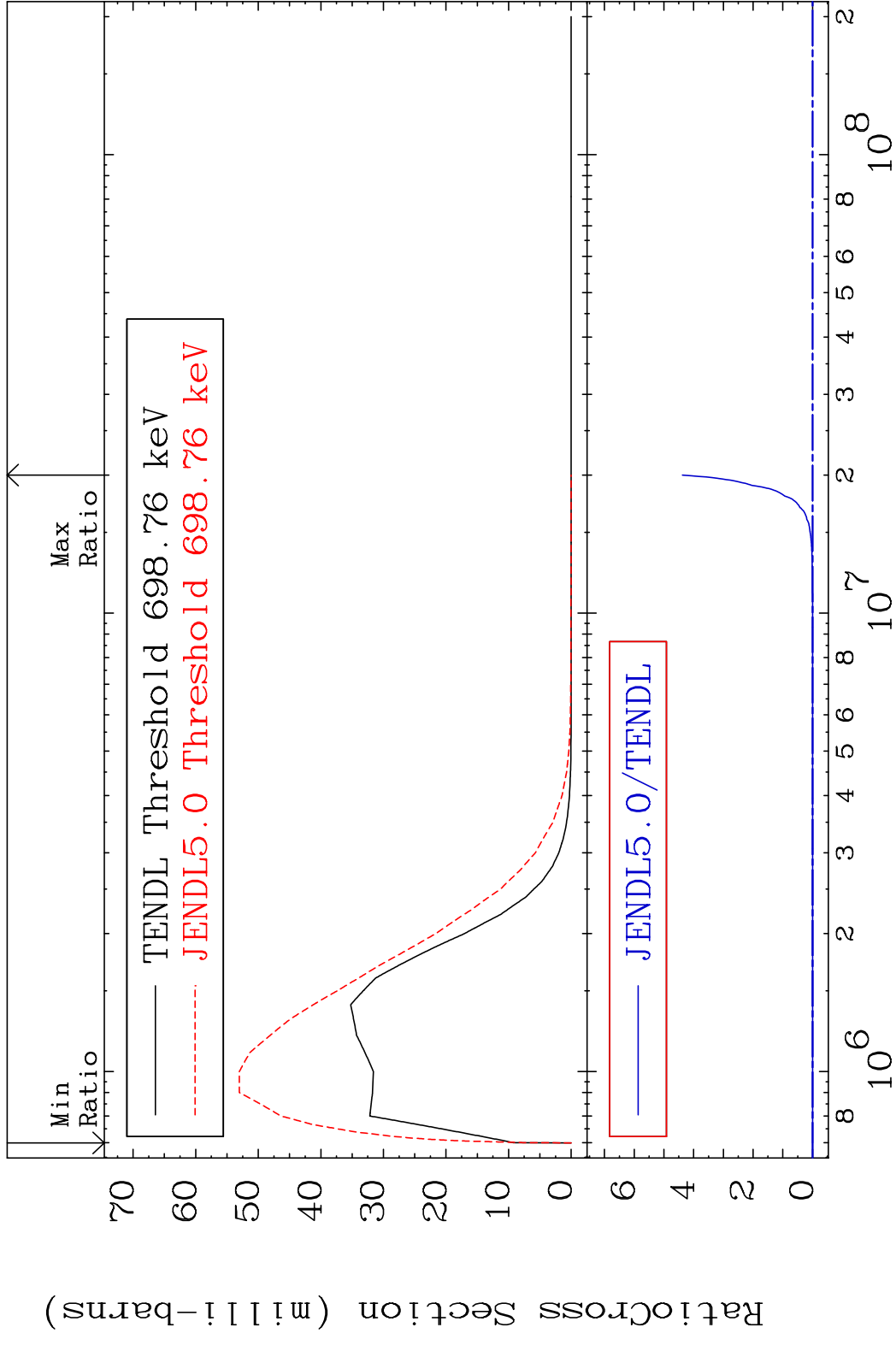


MAT 6331 MT= 79 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 63-Eu-153

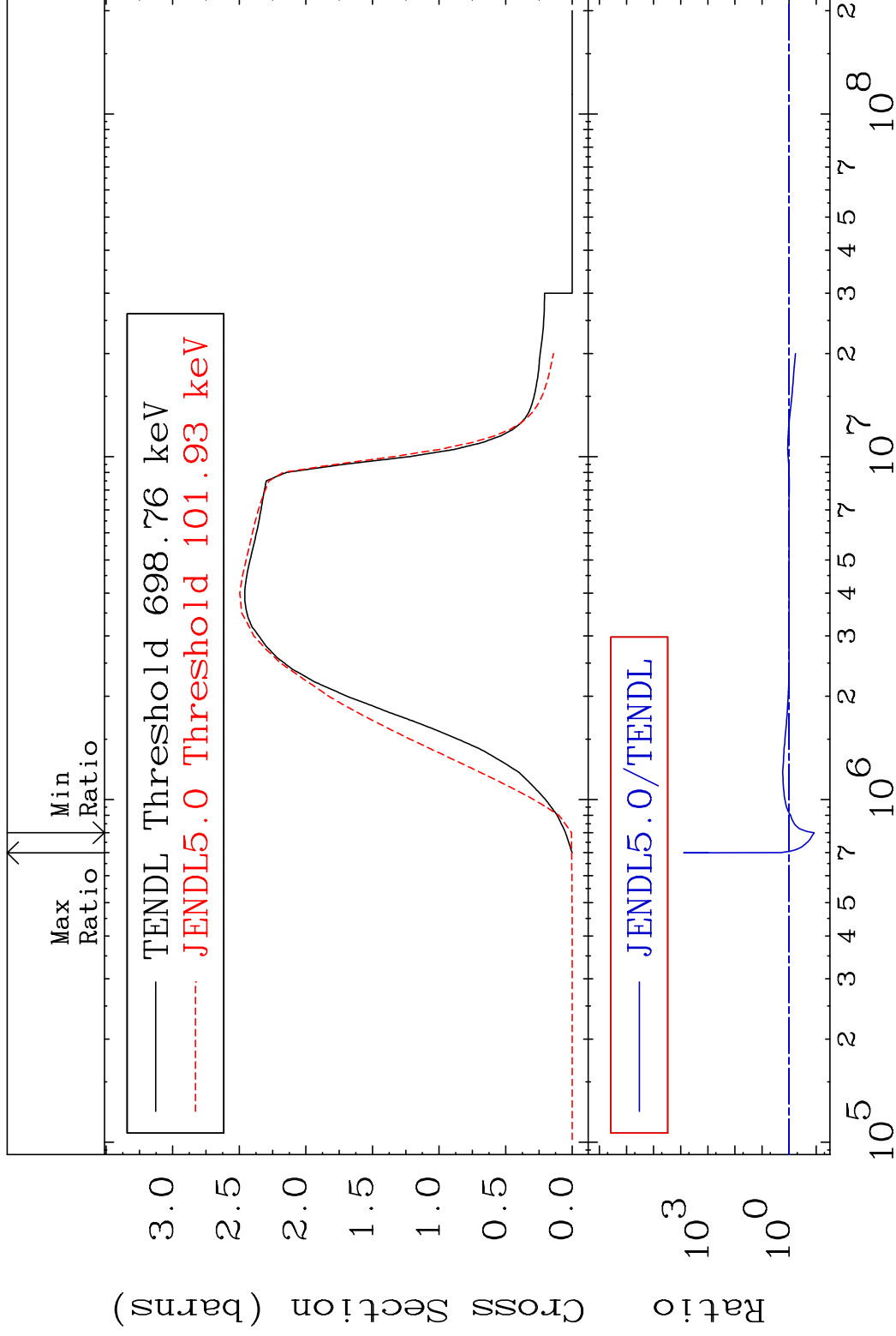
MAT 6331 MT= 80 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



41 Incident Energy (eV) 63-Eu-153

MAT 6331

(n, n') Continuum 63-Eu-153
Cross Section -88.02 To 9999. %



42

Incident Energy (eV)

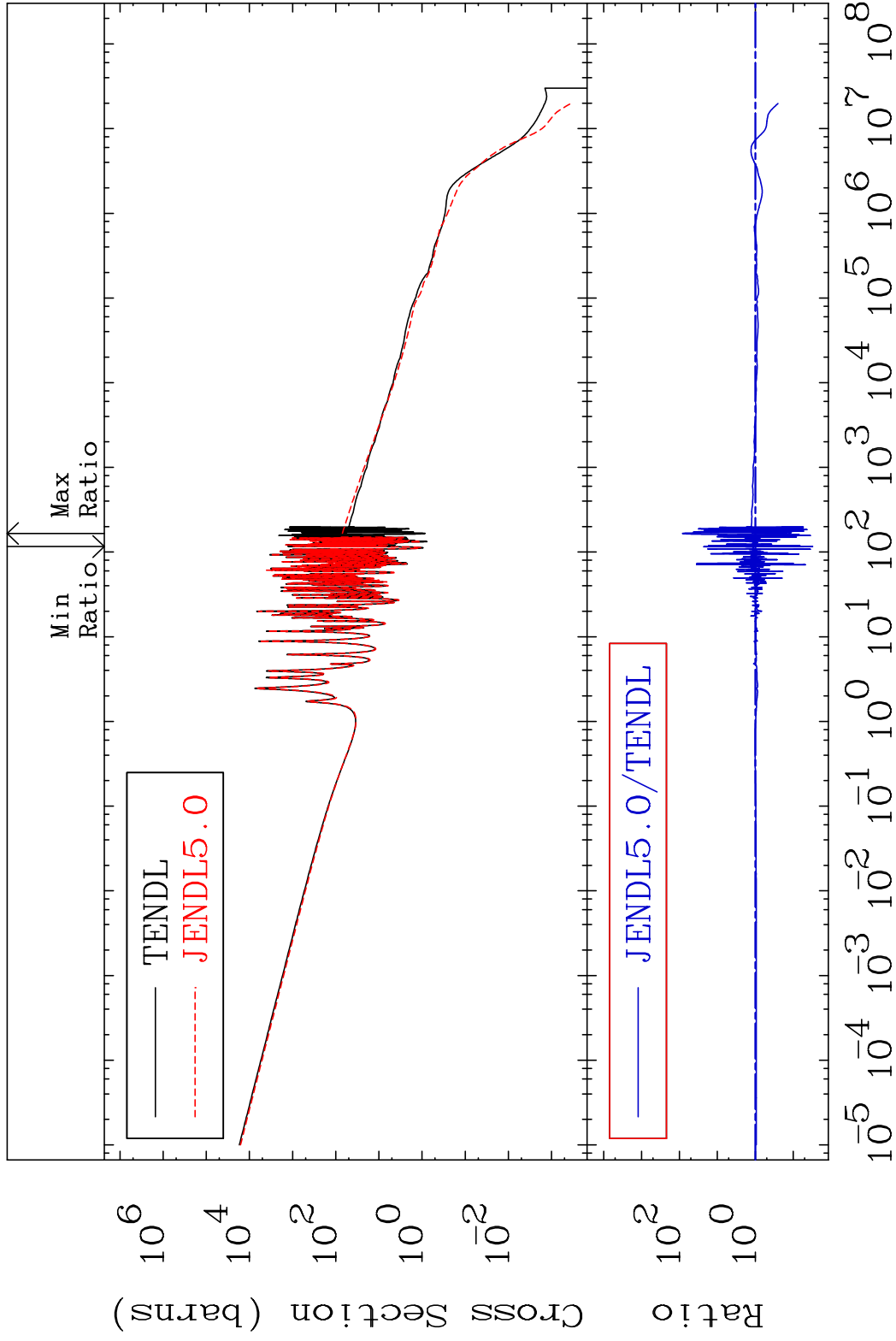
63-Eu-153

MAT 6331

(n, γ)

63-Eu-153

Cross Section -96.92 To 8295. %



43

Incident Energy (eV)

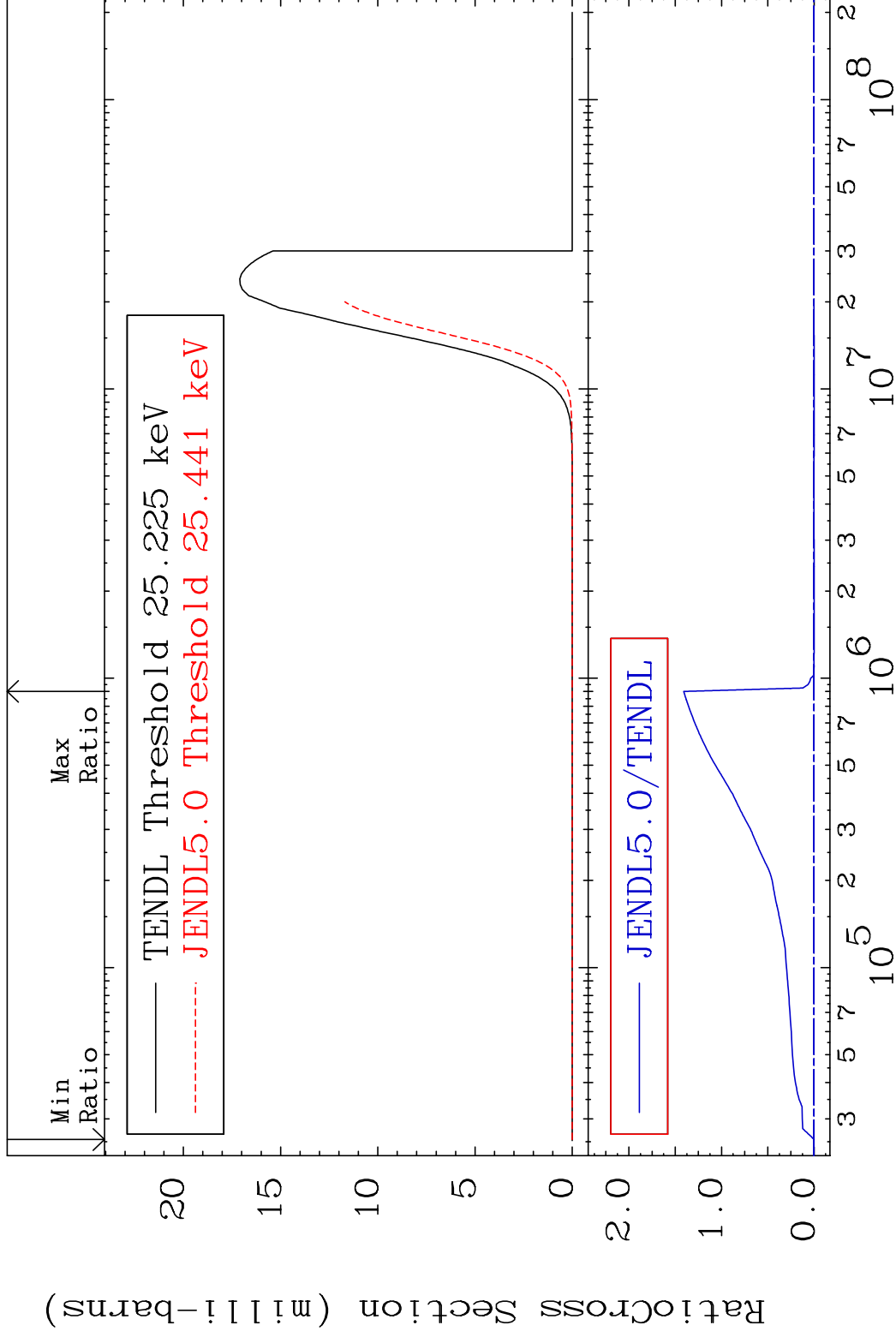
63-Eu-153

MAT 6331

(n,p)

63-Eu-153

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

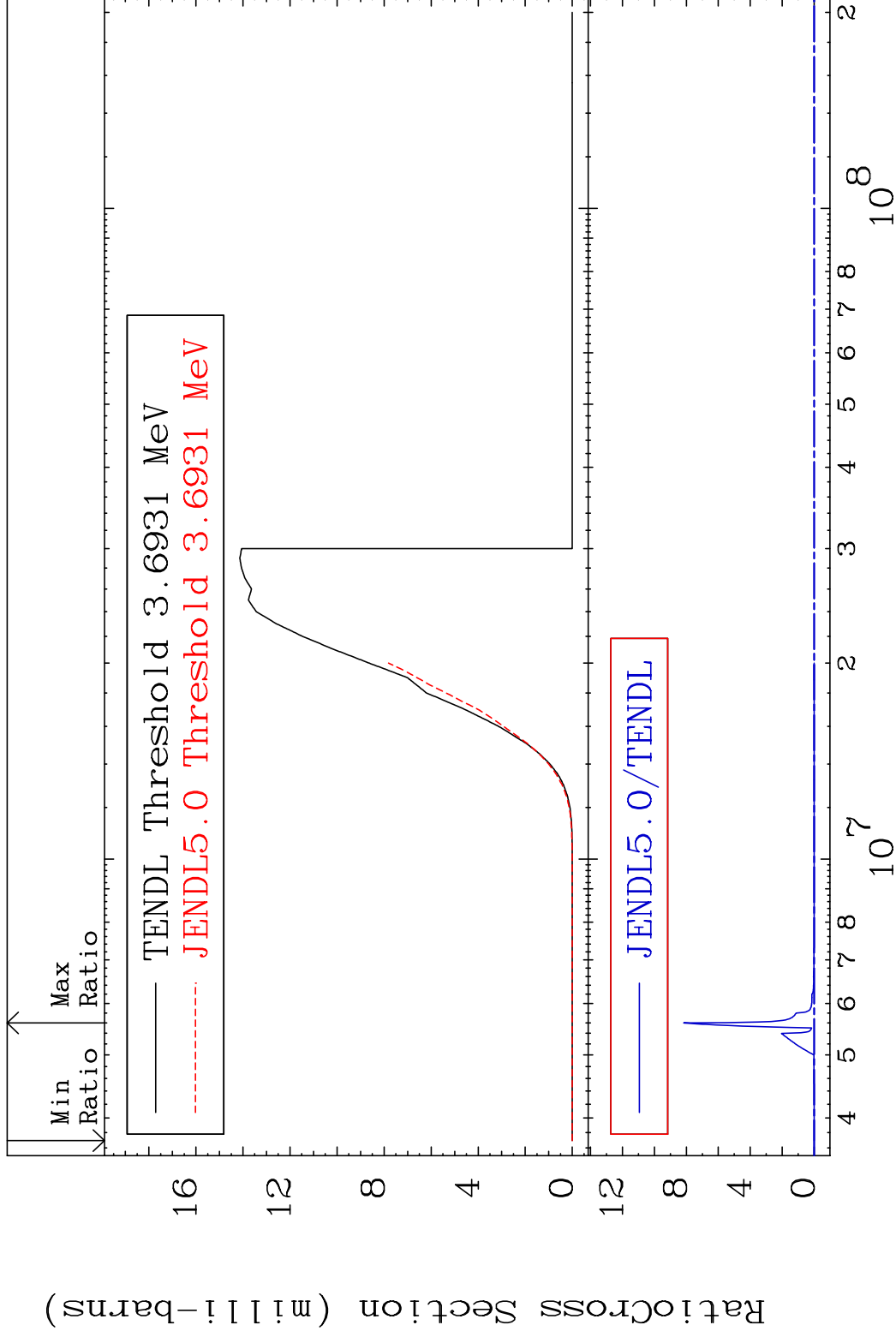
63-Eu-153

MAT 6331

(n,d)

63-Eu-153

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

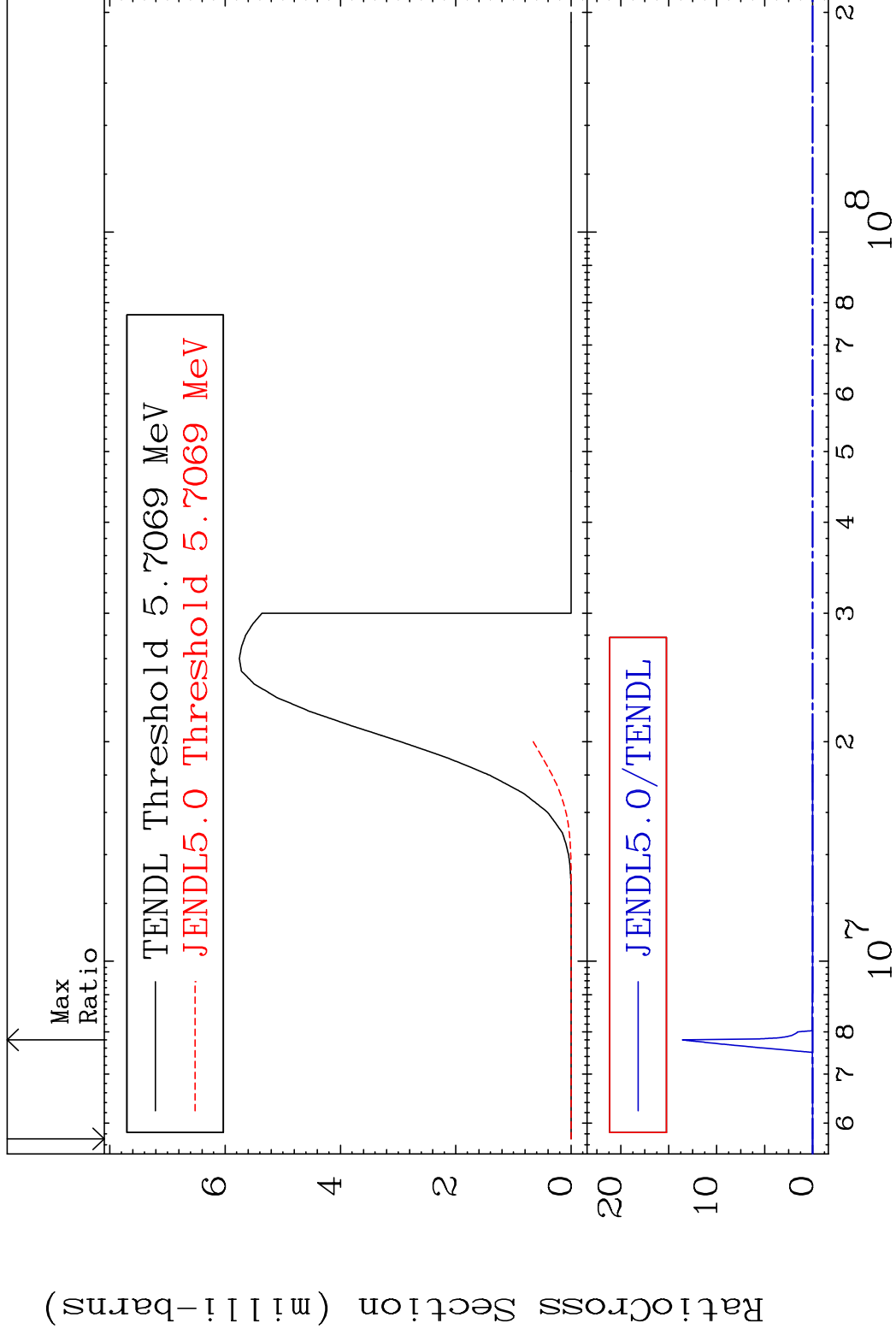
63-Eu-153

MAT 6331

(n, t)

63-Eu-153

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

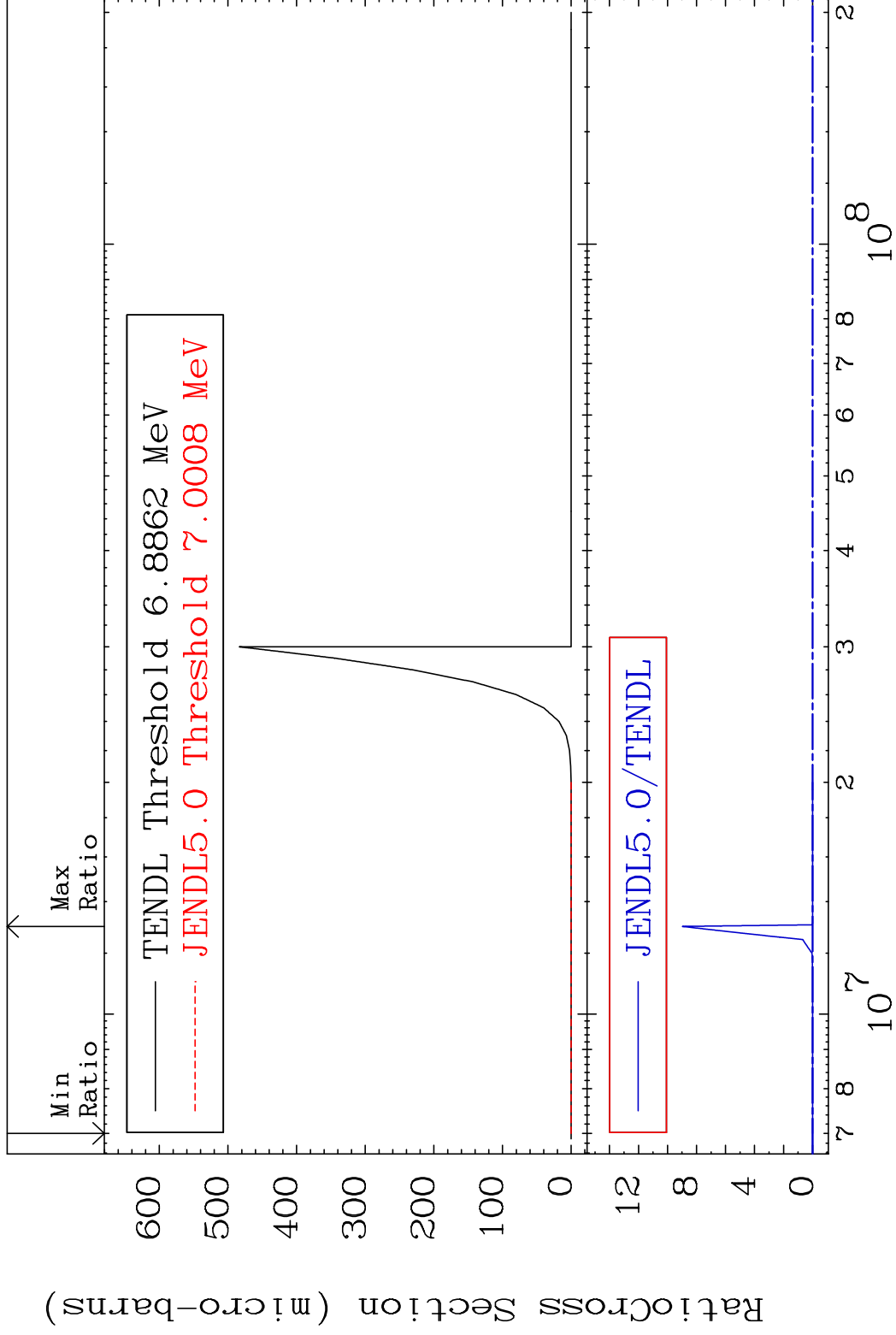
63-Eu-153

MAT 6331

(n, He-3)

63-Eu-153

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

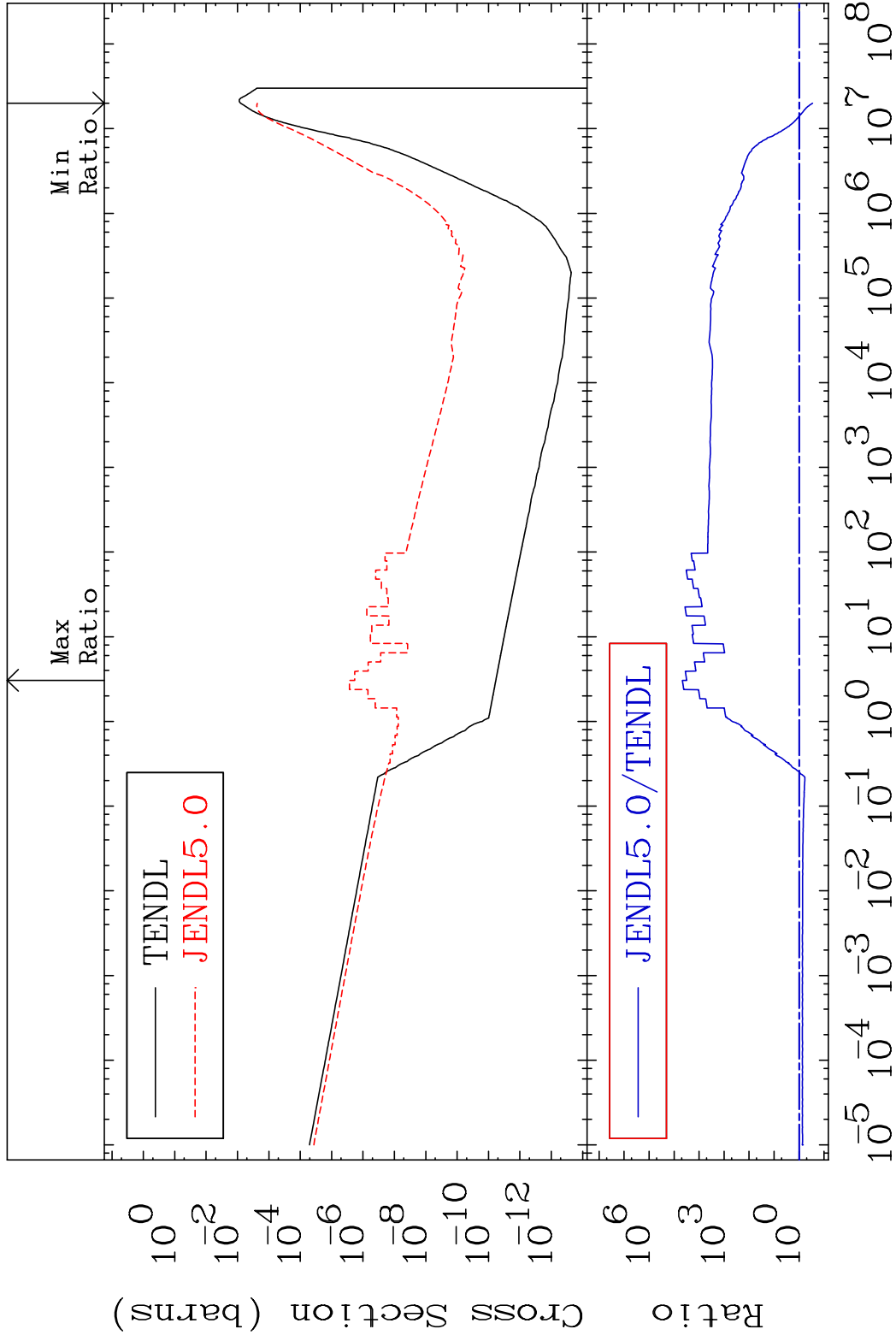
63-Eu-153

MAT 6331

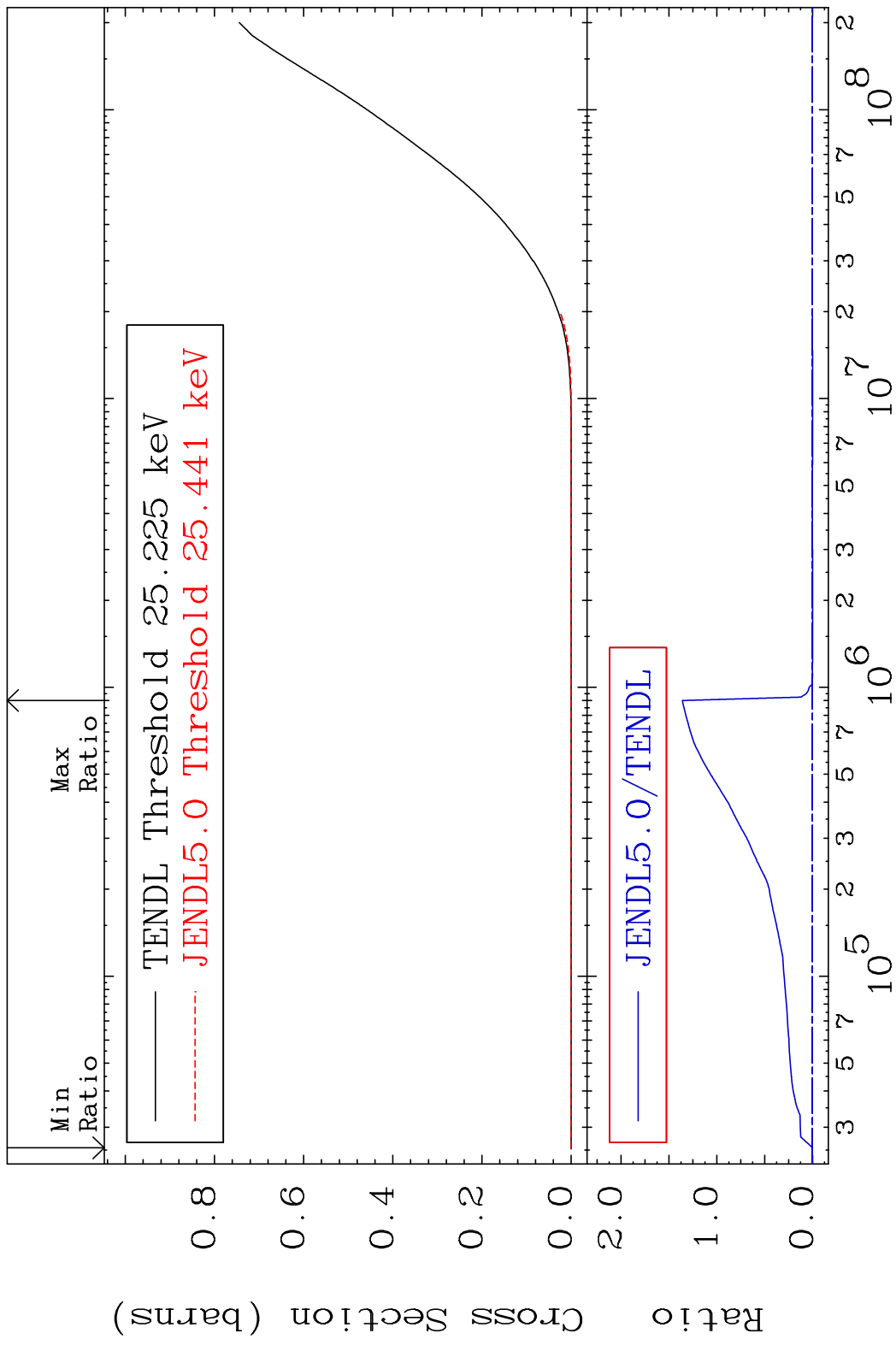
(n, α)

63-Eu-153

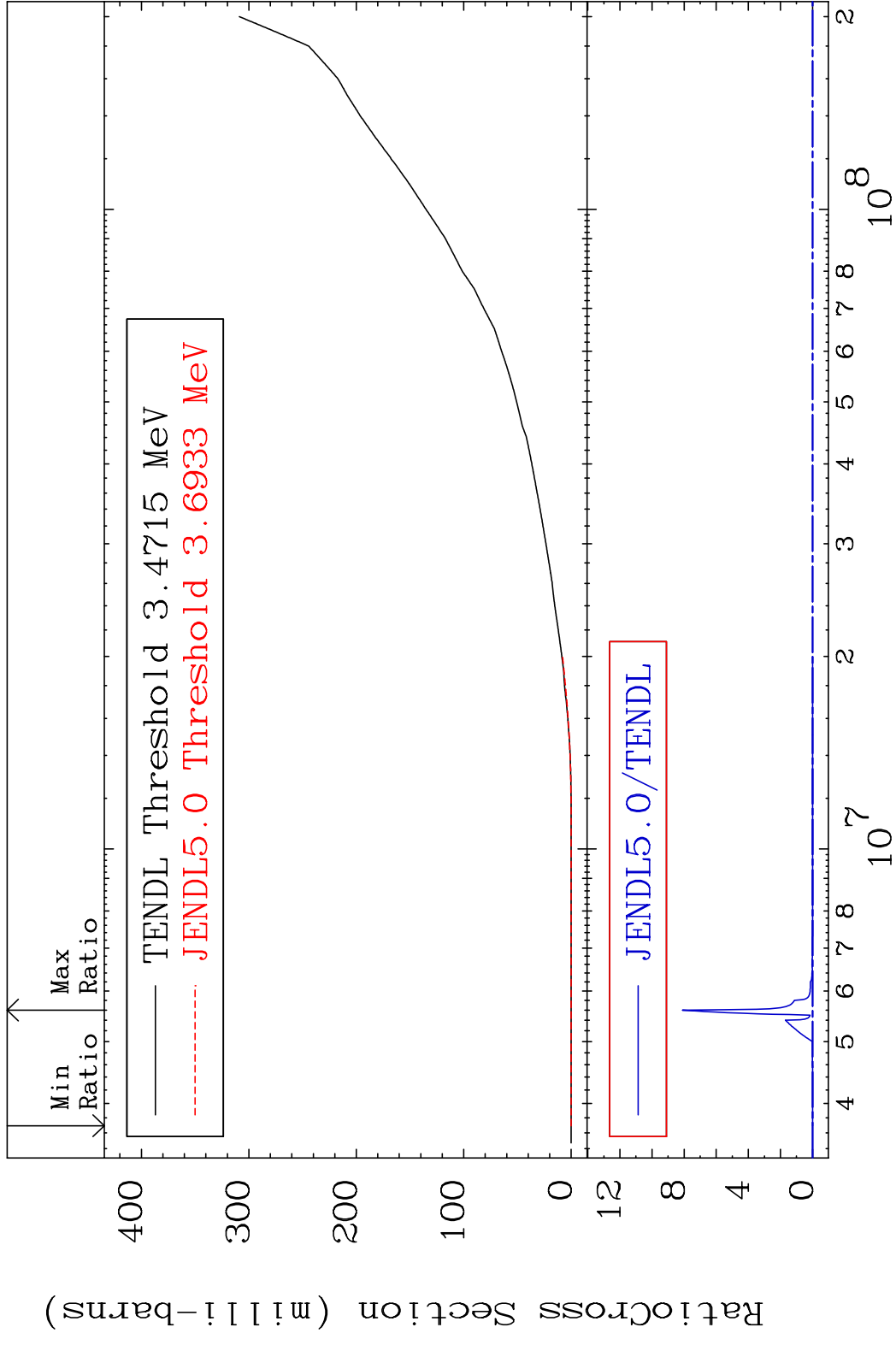
Cross Section -71.07 To 9999. %



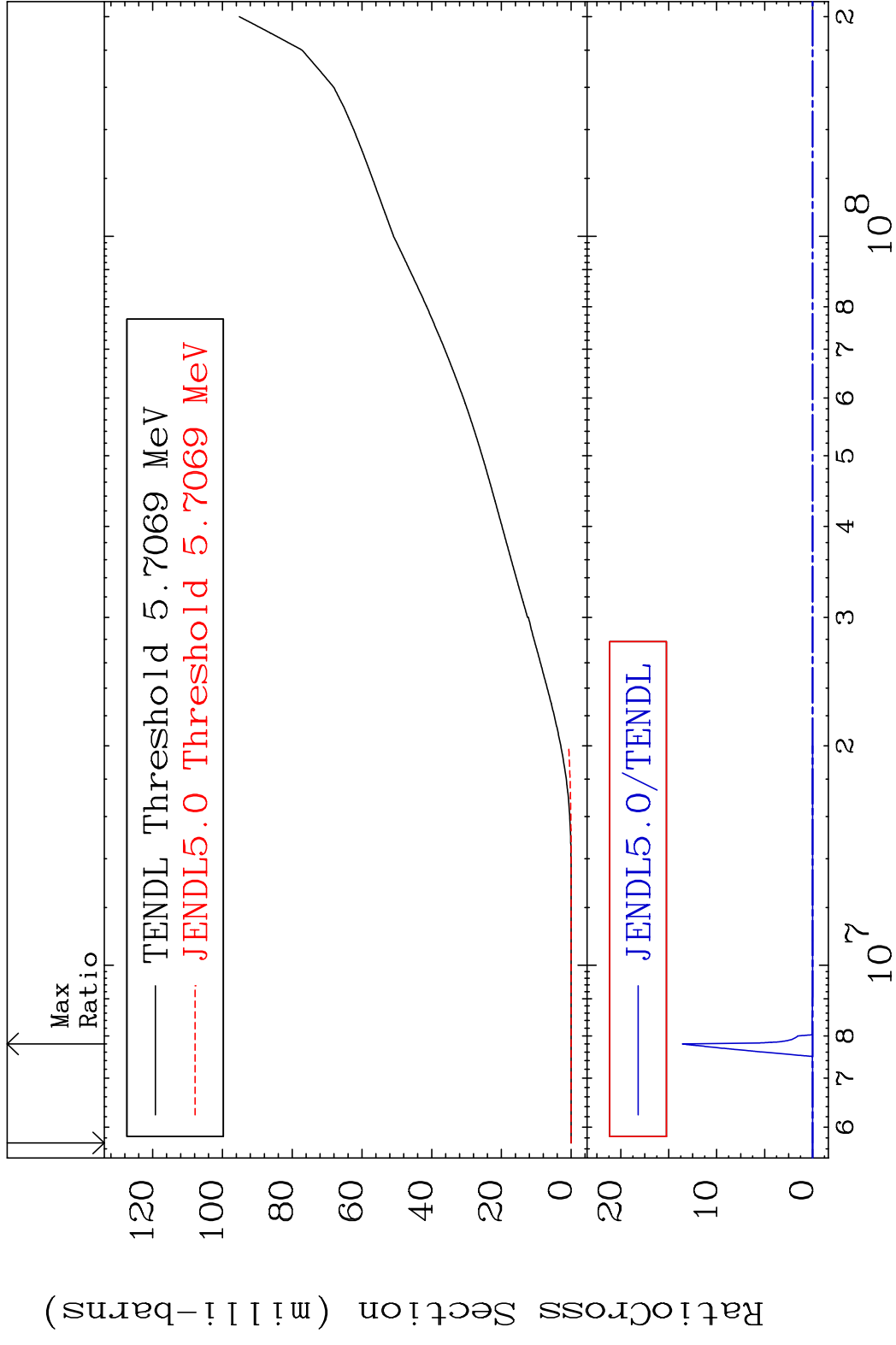
MAT 6331 Hydrogen Production 63-Eu-153
 Cross Section -100.0 To 9999. %



MAT 6331 Deuterium Production 63-Eu-153
 Cross Section -100.0 To 9999. %



MAT 6331 Tritium Production 63-Eu-153
 Cross Section -100.0 To 9999. %

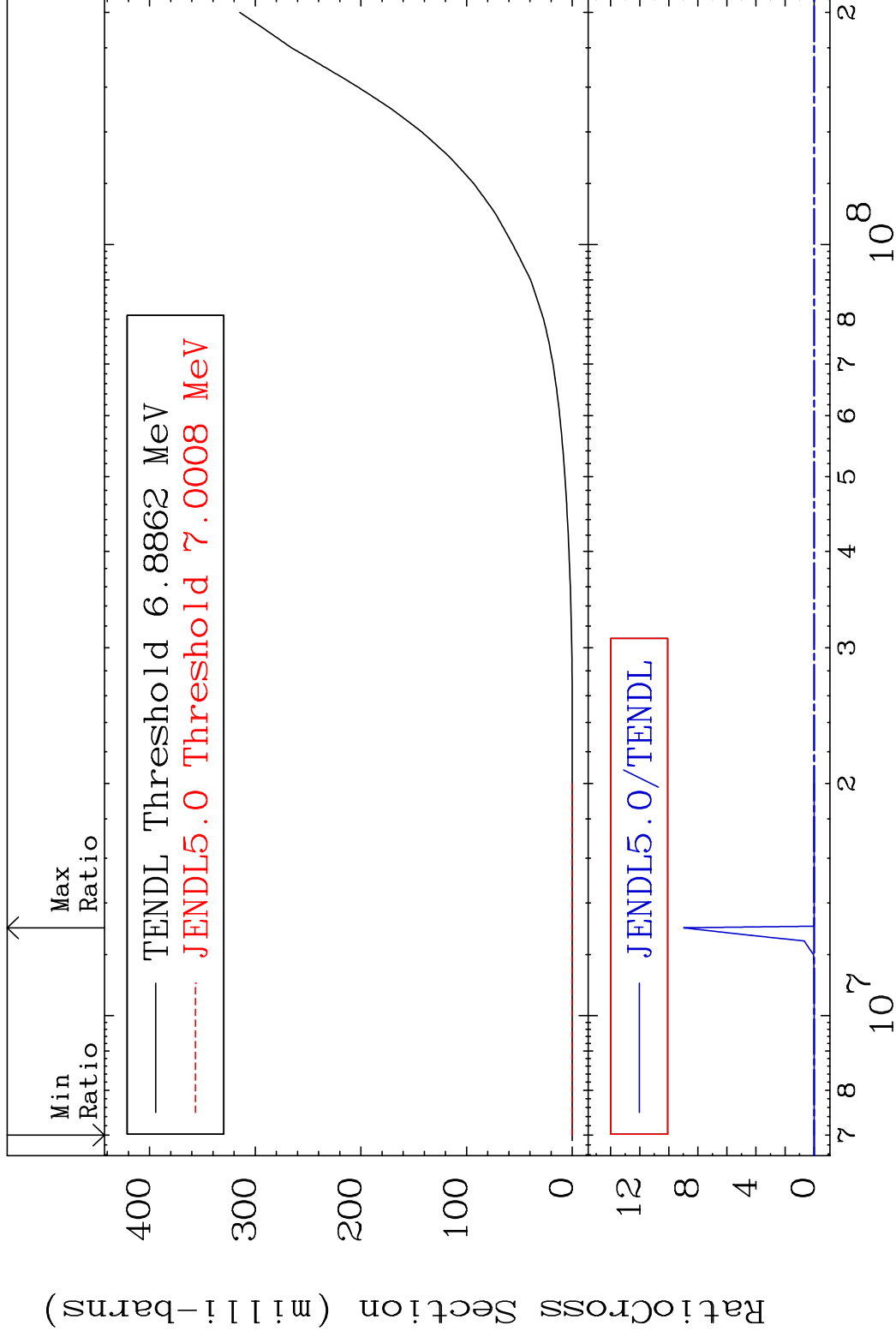


MAT 6331

He-3 Production

63-Eu-153

Cross Section -100.0 To 9999. %

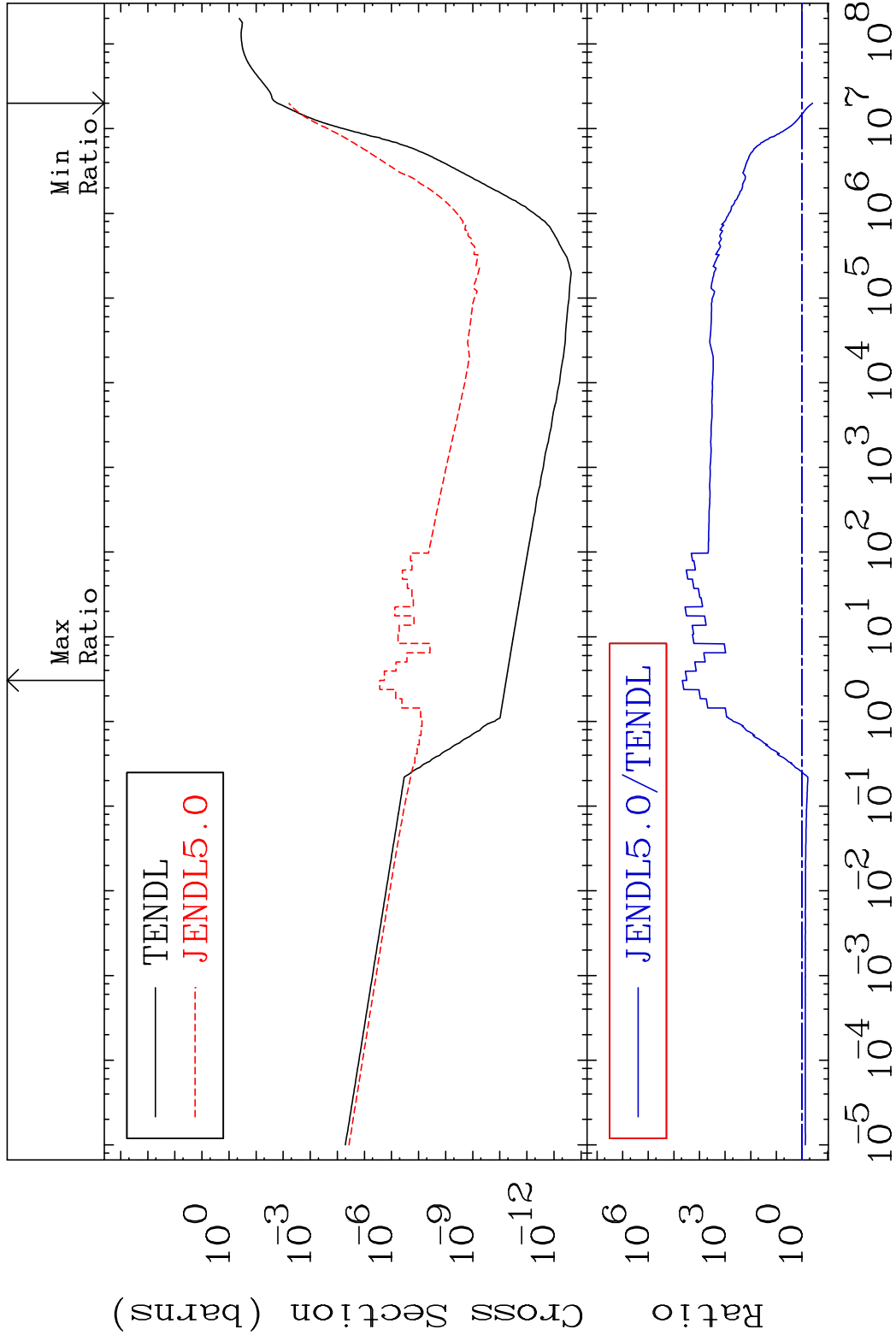


MAT 6331

He-4 Production

63-Eu-153

Cross Section -61.49 To 9999. %

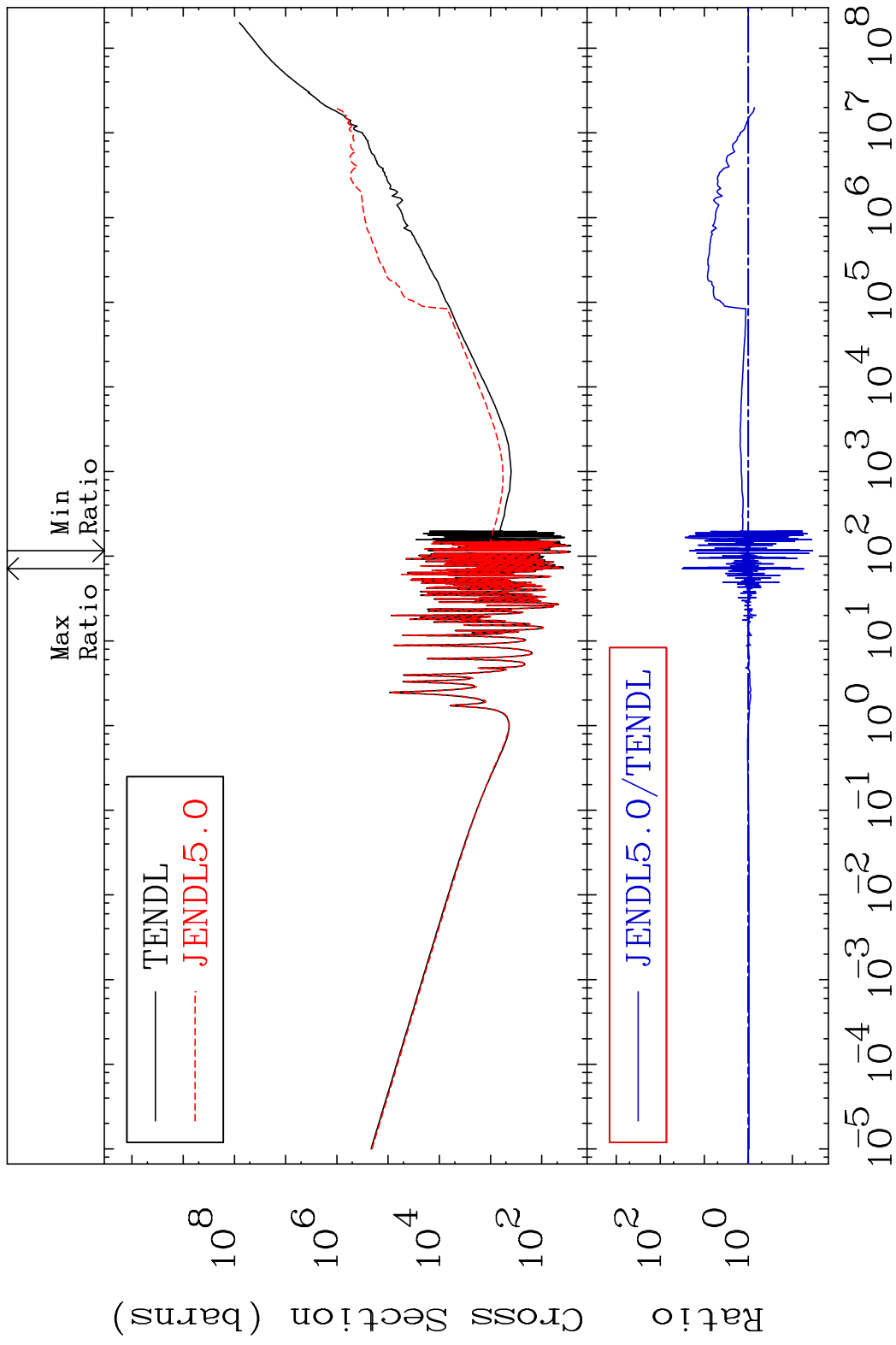


53

Incident Energy (eV)

63-Eu-153

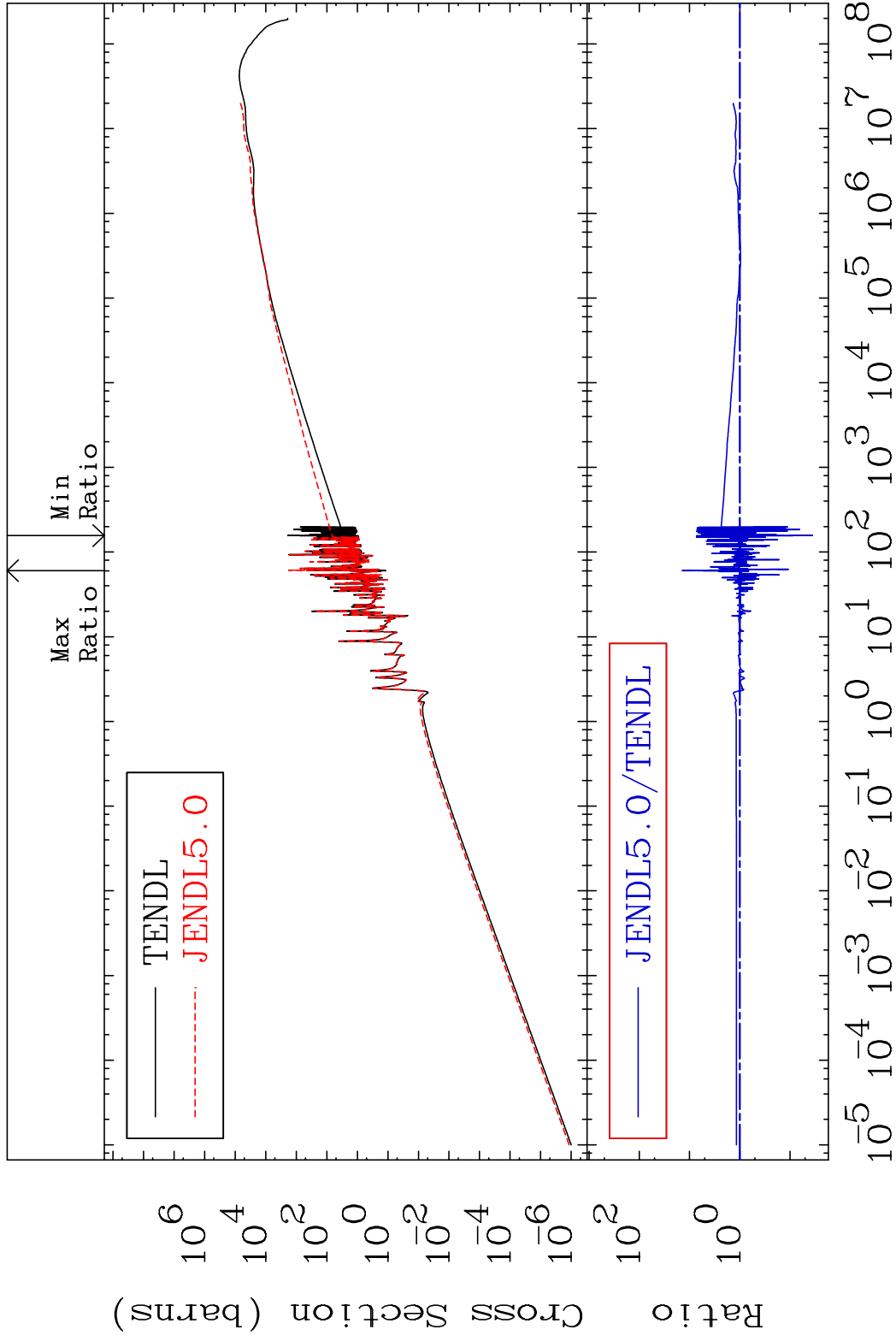
MAT 6331 Kerma total (eV-barns) 63-Eu-153
 Cross Section -96.55 To 3054. %



MAT 6331

Kerma elastic
Cross Section

63-Eu-153
-96.46 To 1293. %

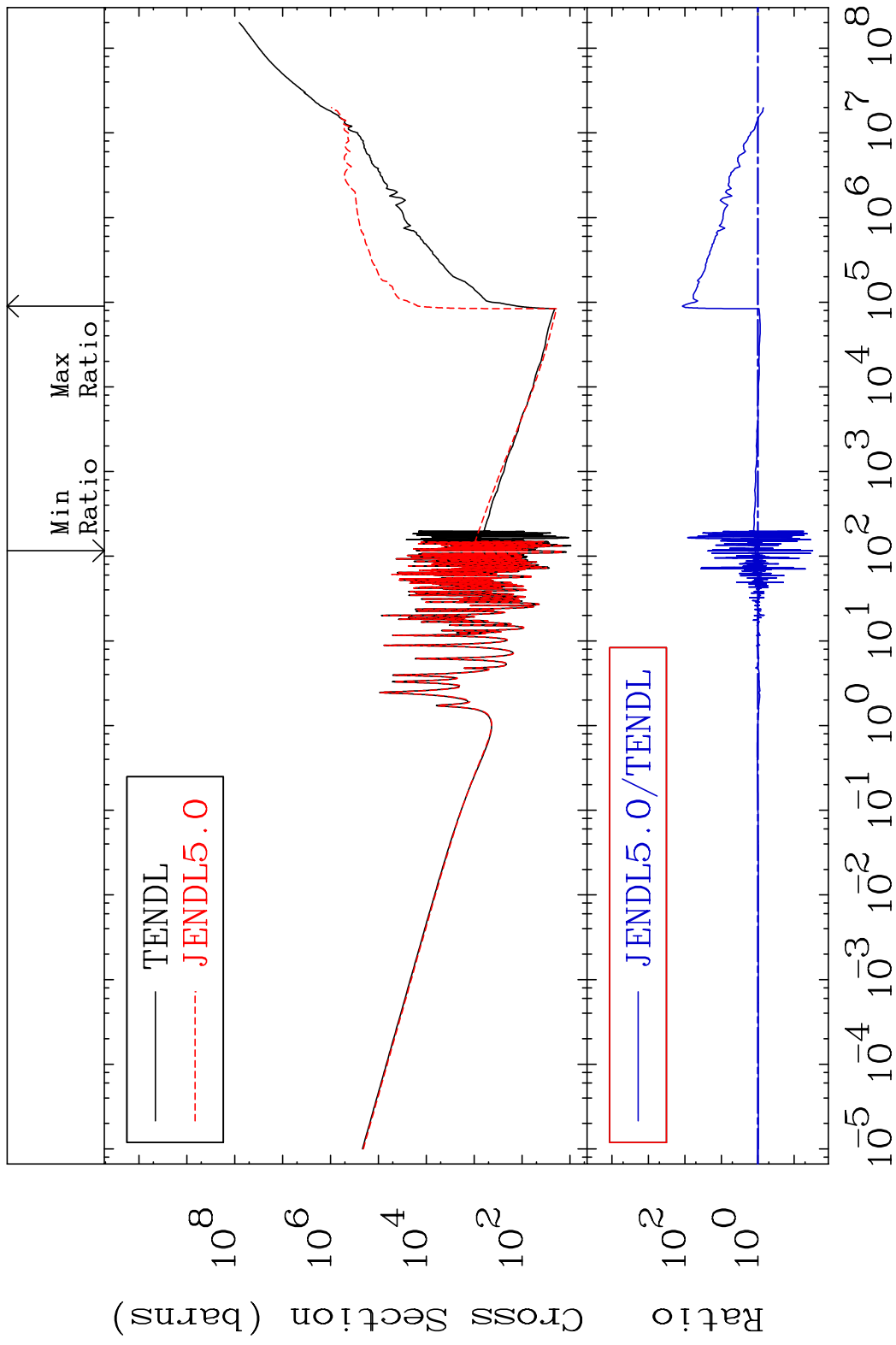


55

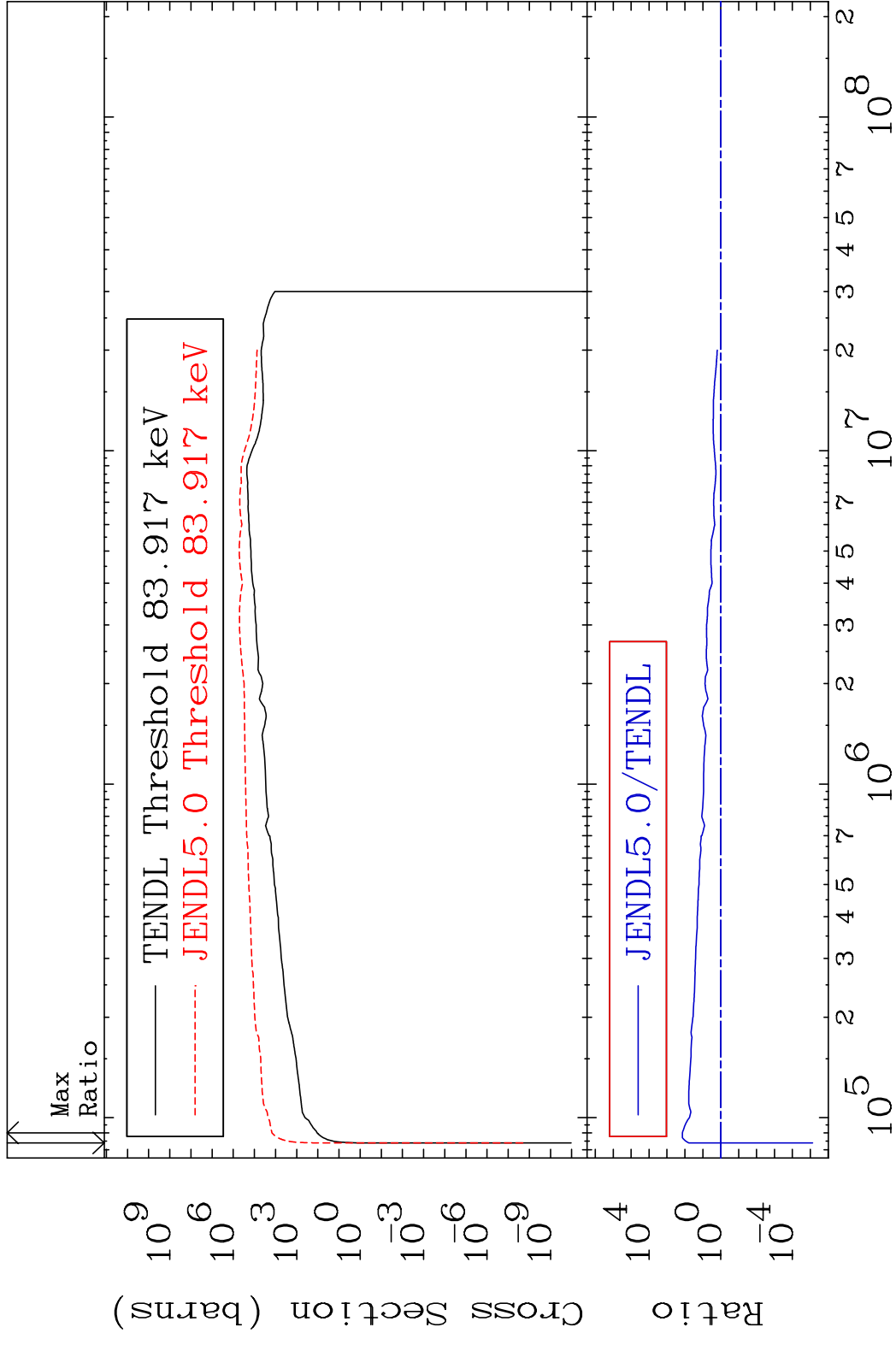
Incident Energy (eV)

63-Eu-153

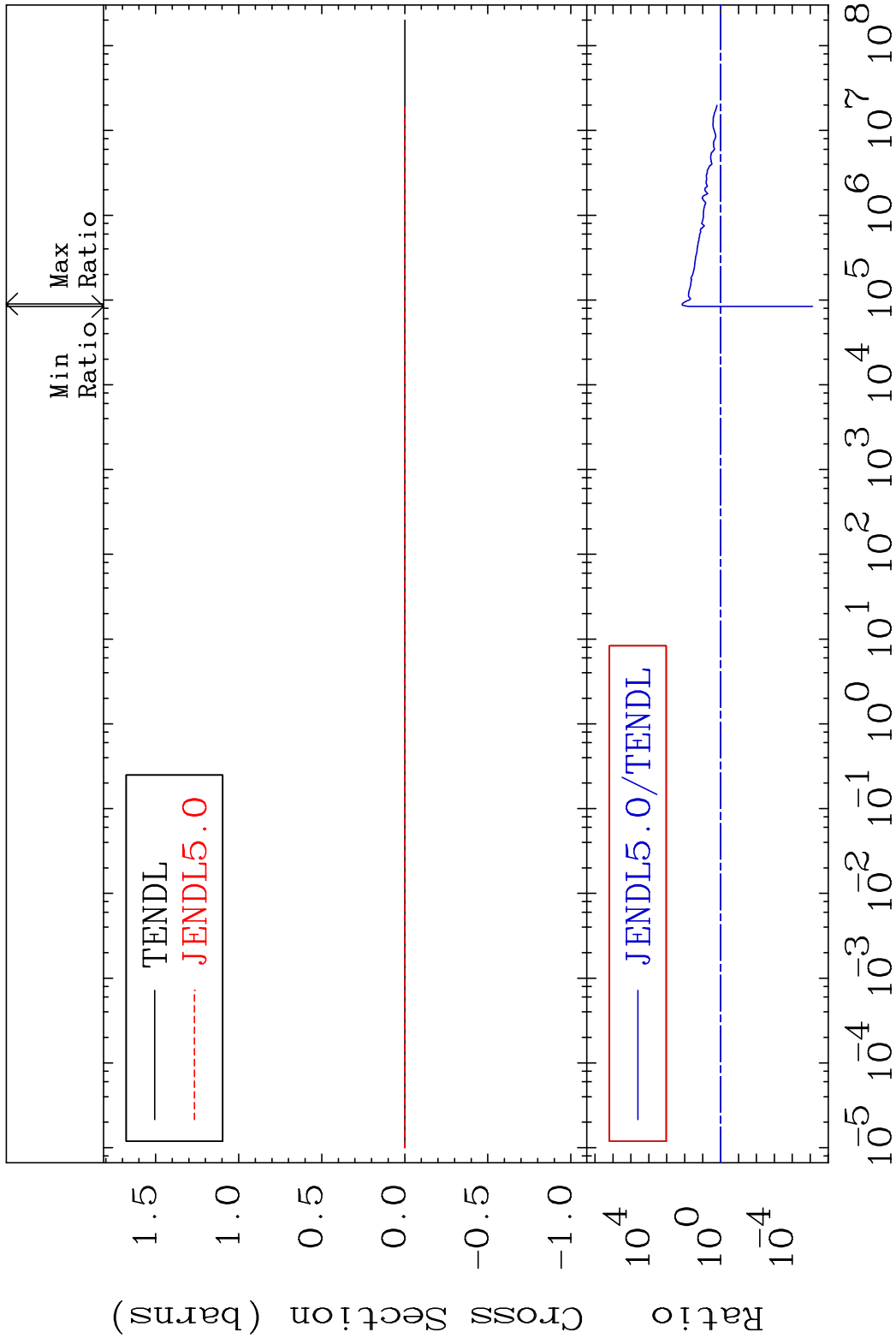
MAT 6331 Kerma non-elastic (all but mt2) 63-Eu-153
 Cross Section -96.86 To 9999. %



MAT 6331 Kerma inelastic (mt51-91) 63-Eu-153
 Cross Section -100.0 To 9999. %

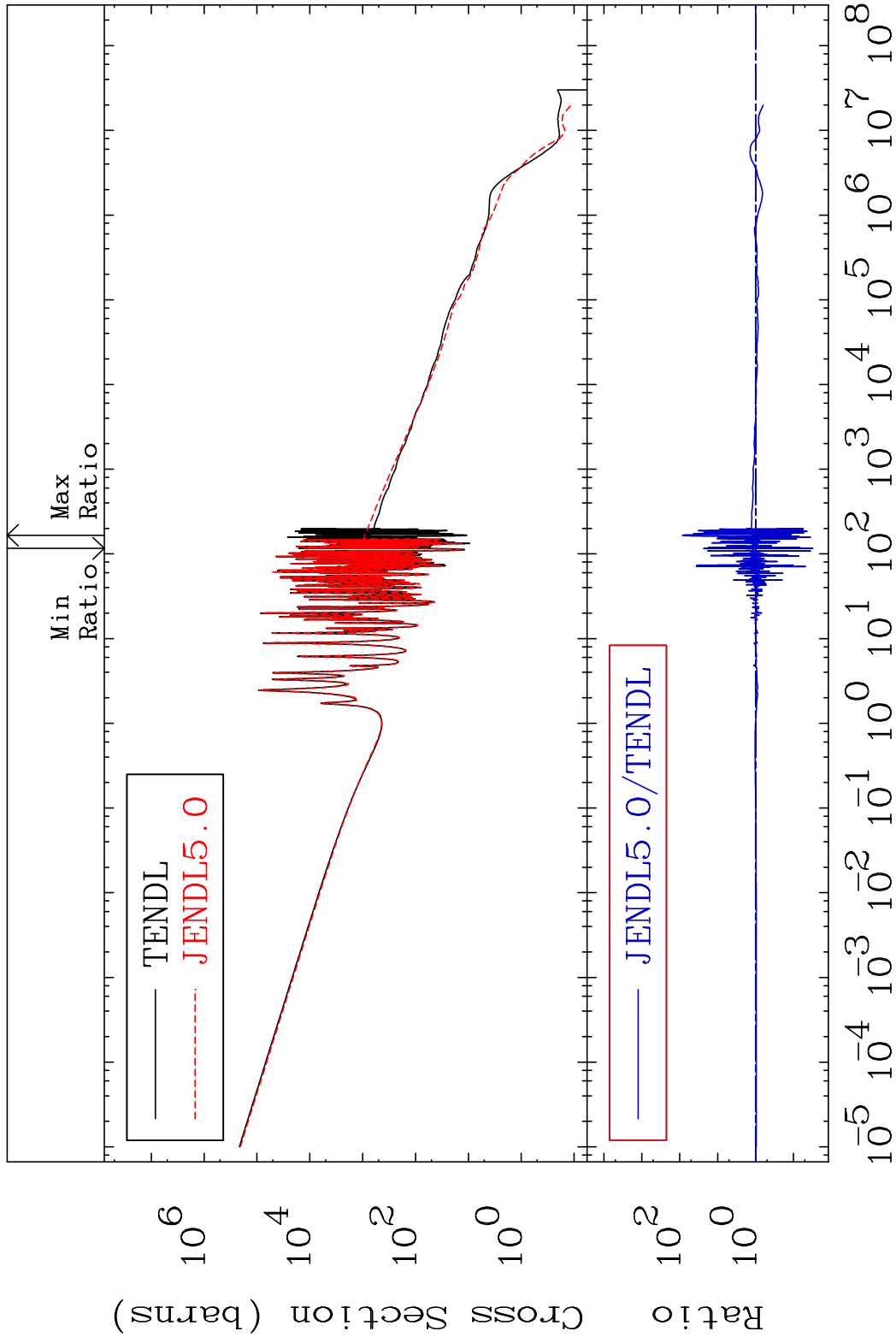


MAT 6331 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-153
 Cross Section -100.0 To 9999. %



MAT 6331

Kerma capture (mt102) 63-Eu-153
Cross Section -96.87 To 8436. %



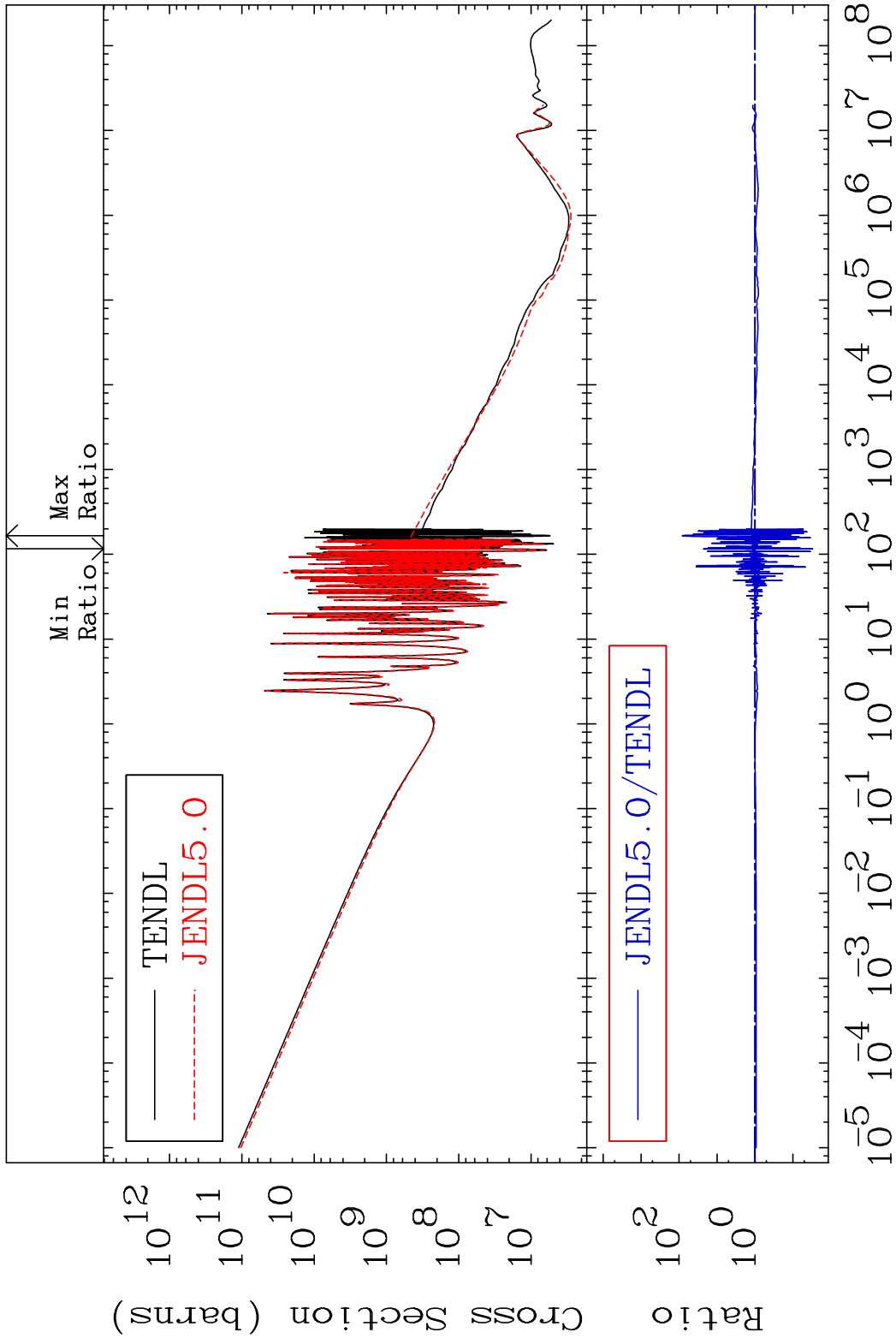
59

Incident Energy (eV)

63-Eu-153

MAT 6331

Total photon (eV-barns) 63-Eu-153
Cross Section -96.95 To 8201. %

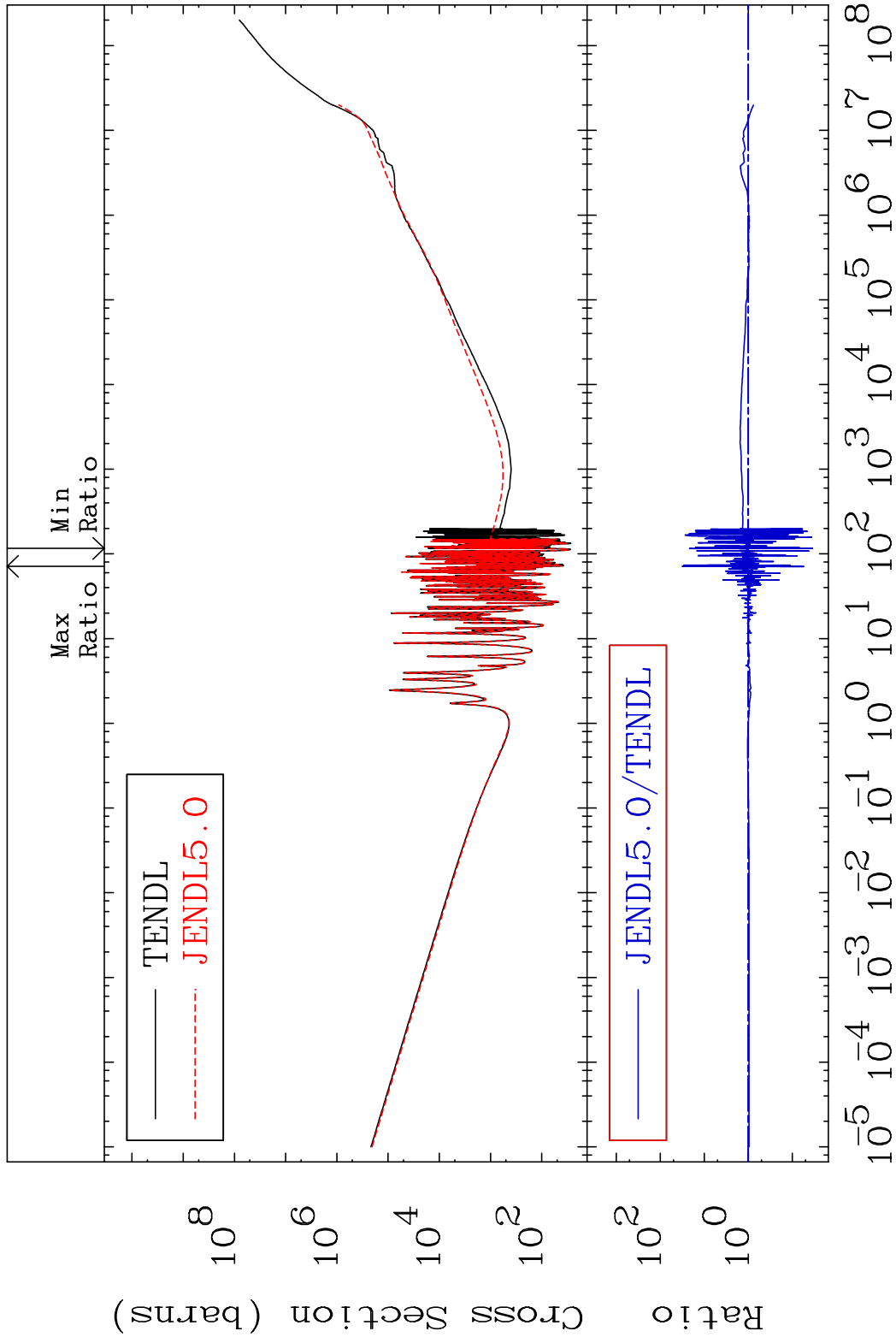


60

Incident Energy (eV)

63-Eu-153

MAT 6331 Total kinematic kerma (high limit) 63-Eu-153
 Cross Section -96.55 To 3054. %

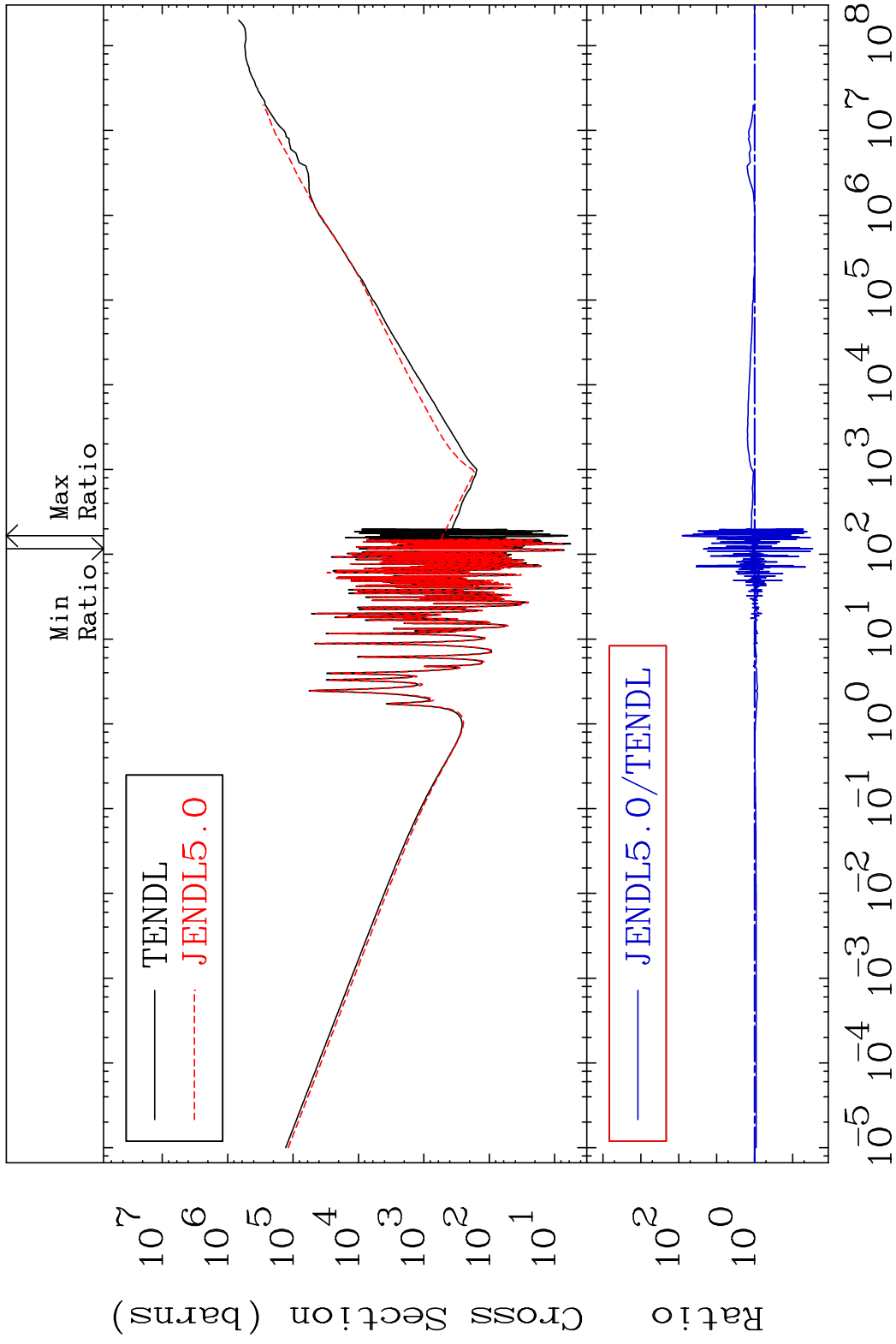


MAT 6331

Dpa total (eV-barns)

63-Eu-153

Cross Section -97.01 To 8036. %



62

Incident Energy (eV)

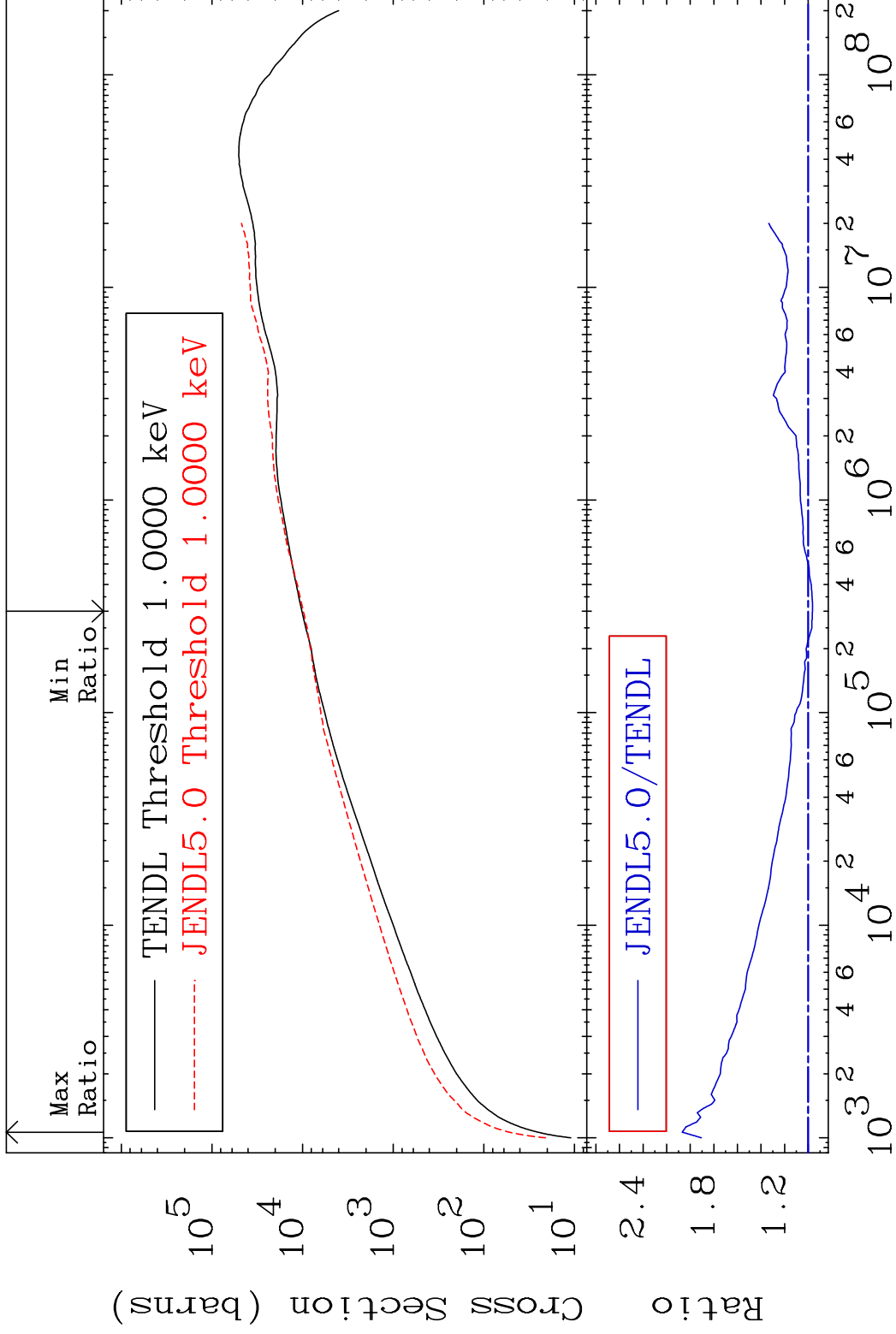
63-Eu-153

MAT 6331

Dpa elastic (mt2)

63-Eu-153

Cross Section -3.602 To 106.9 %

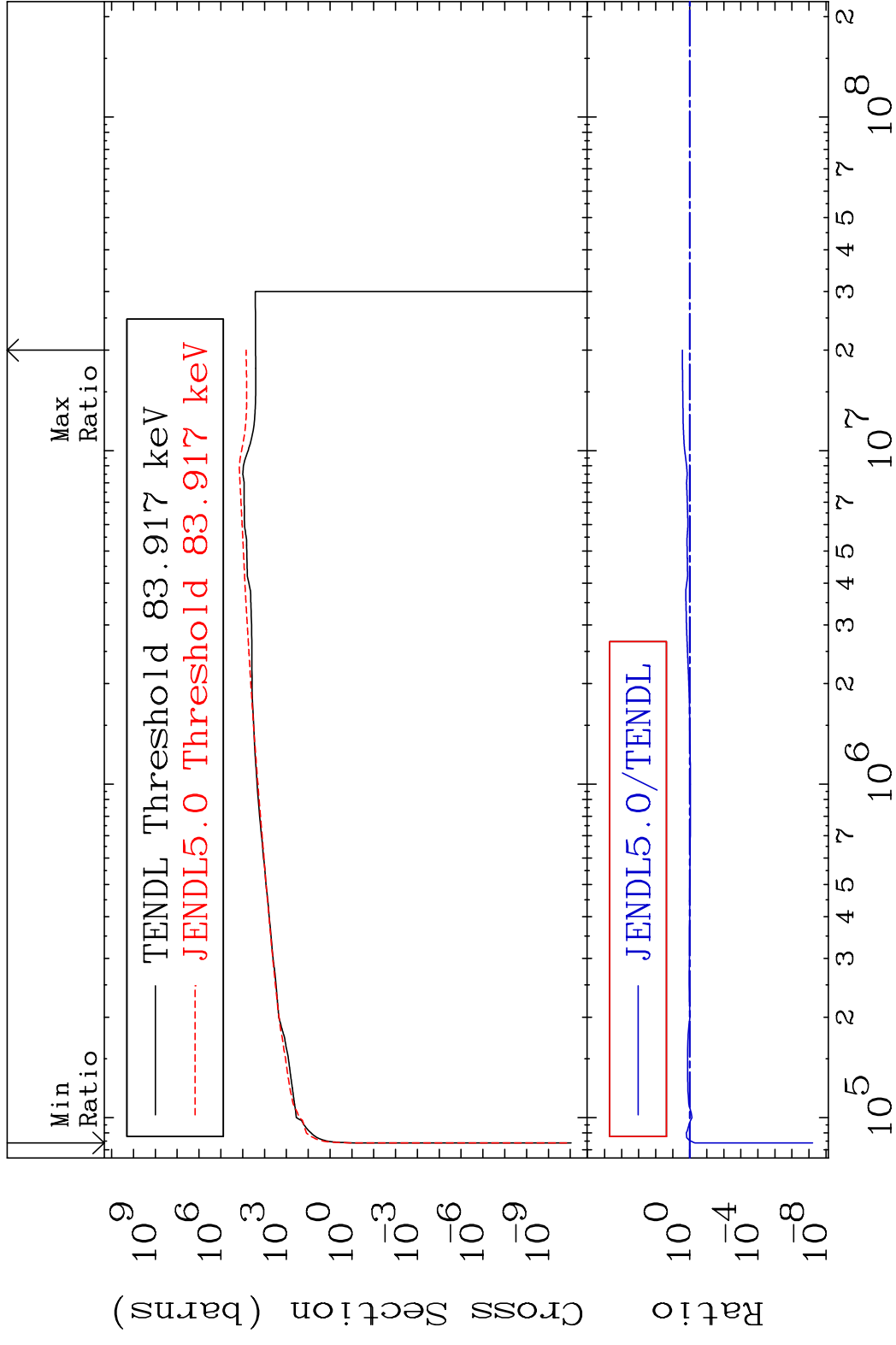


63

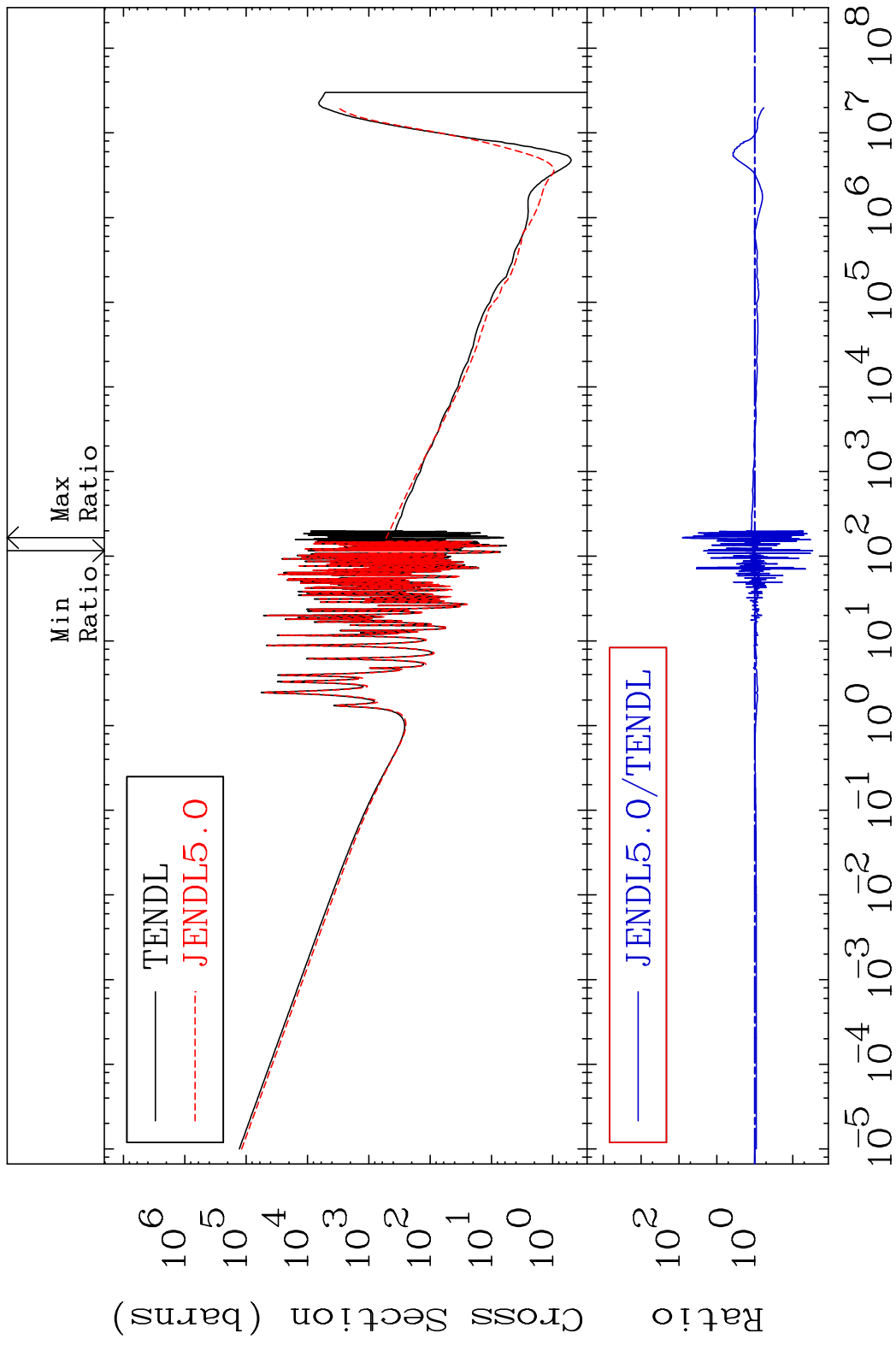
Incident Energy (eV)

63-Eu-153

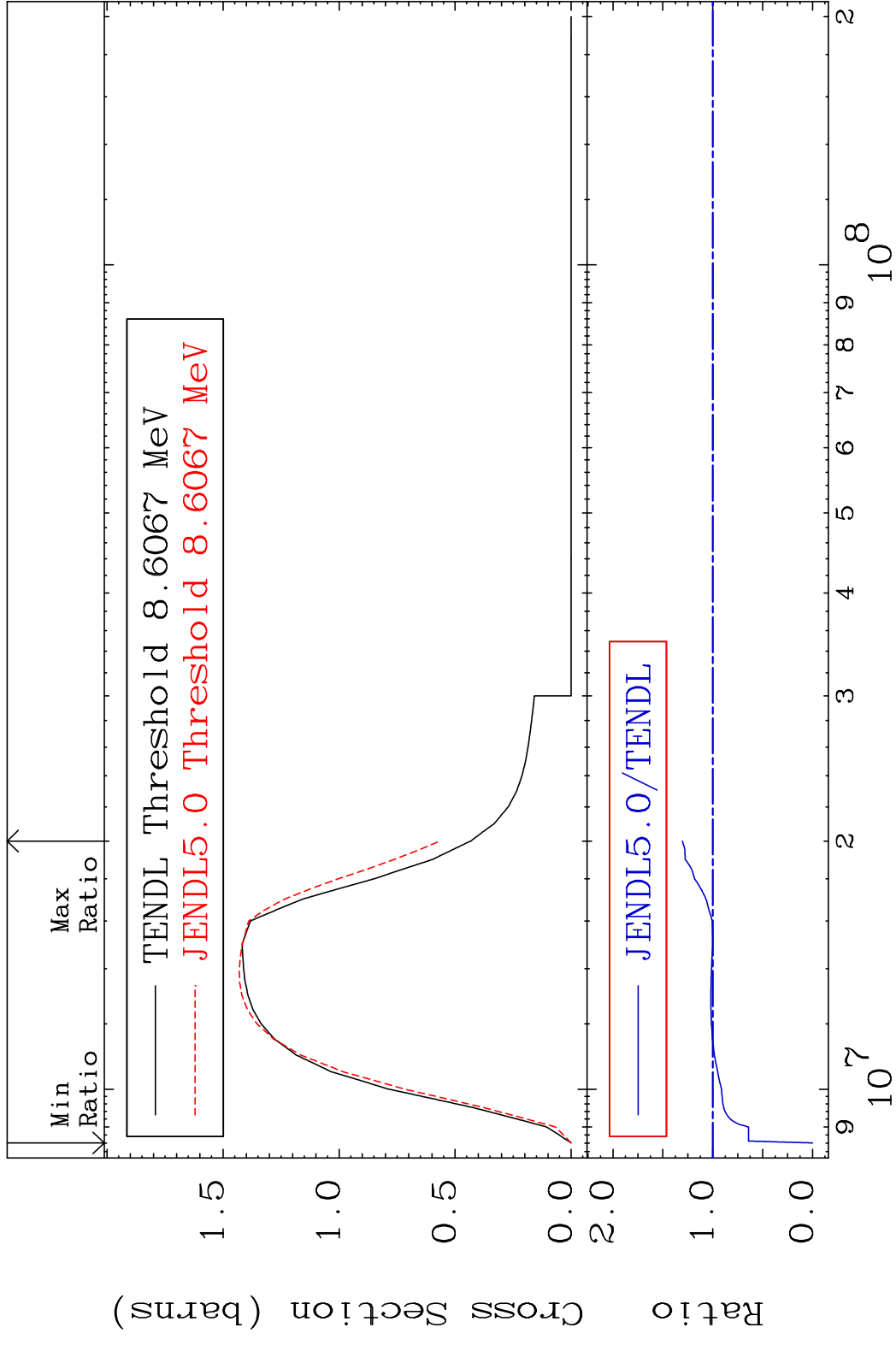
MAT 6331 Dpa inelastic (mt51-91) 63-Eu-153
 Cross Section -100.0 To 172.7 %



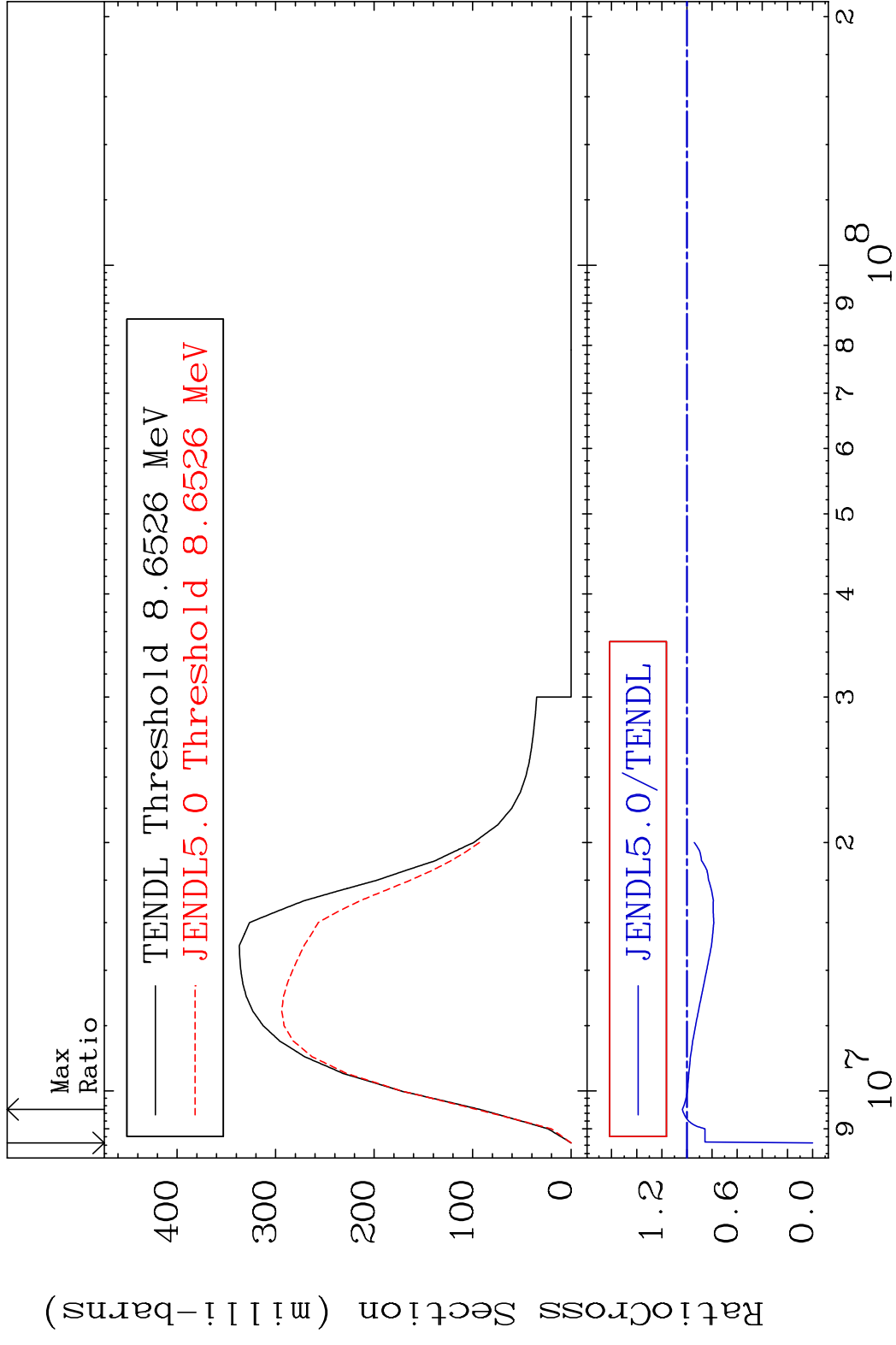
MAT 6331 Dpa disappearance (mt102 -120) 63-Eu-153
 Cross Section -97.01 To 8036. %



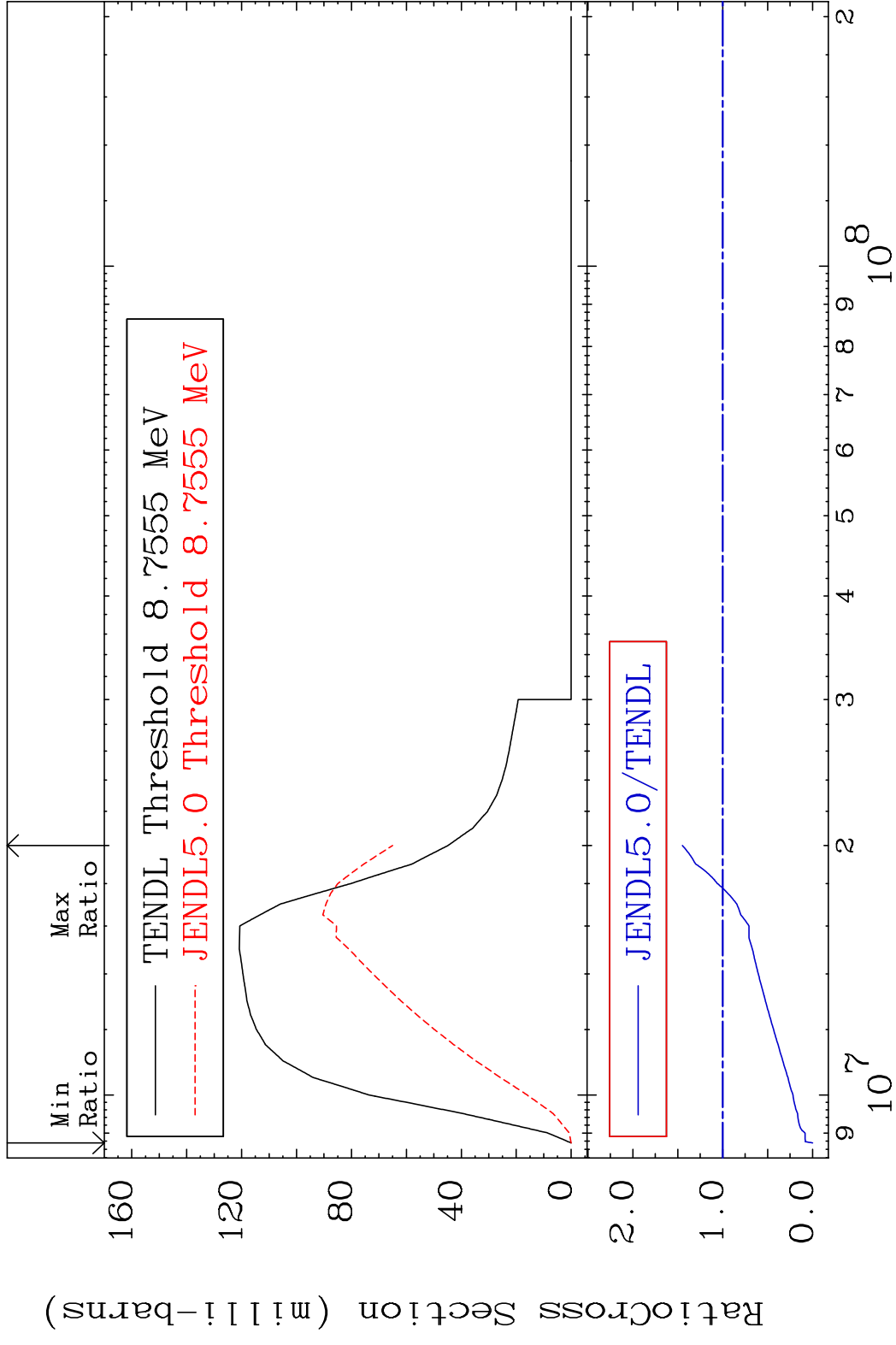
MAT 6331 (n,2n):63-Eu-152g 63-Eu-153
 Radionuclide Production Cross Section Ratio 30.49 %

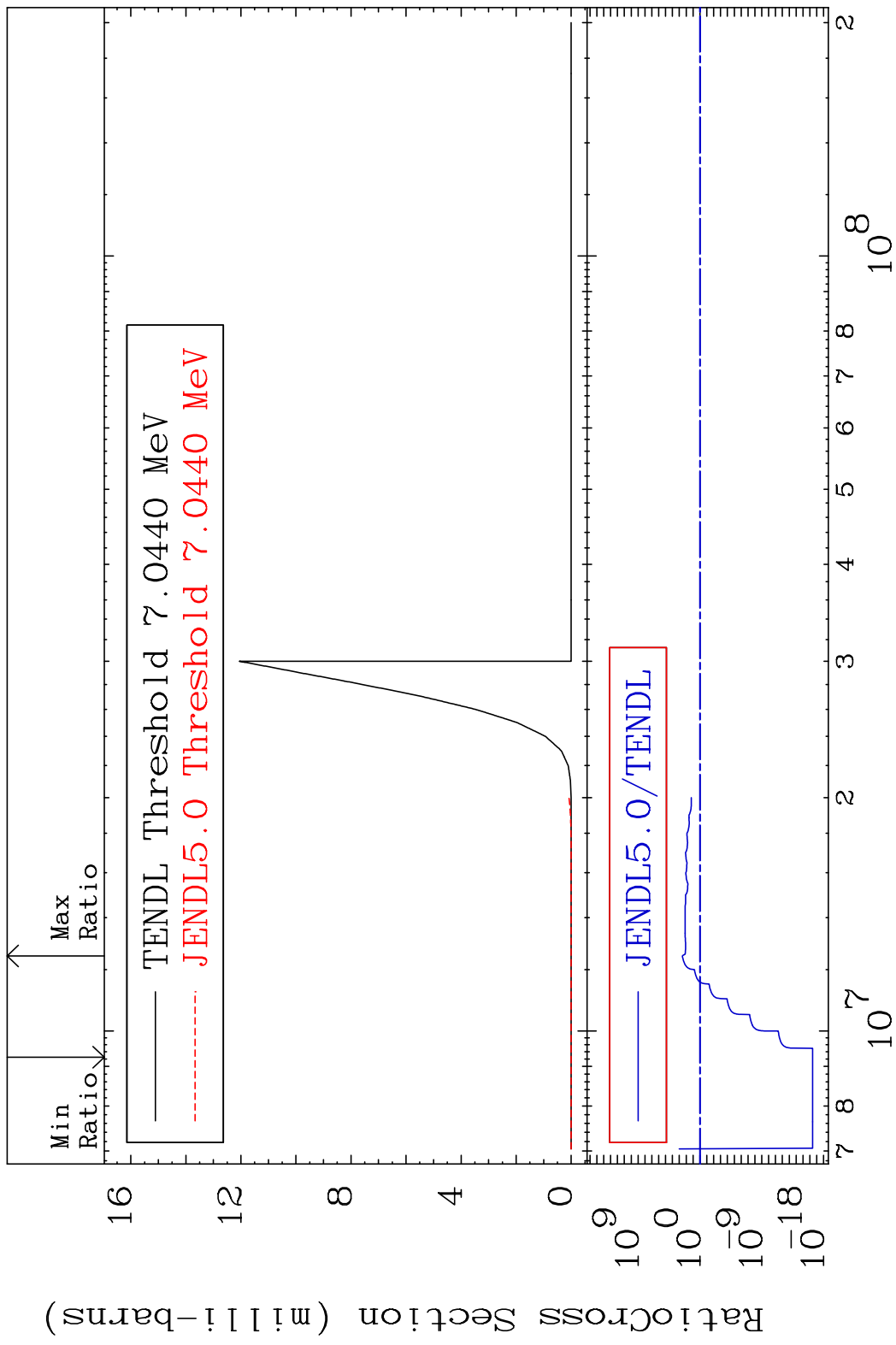


MAT 6331 (n,2n):63-Eu-152m1 63-Eu-153
 Radionuclide Production Cross Section Ratio 3.647 %



MAT 6331 (n,2n):63-Eu-152m16 63-Eu-153
 Radionuclide Production Cross Section Ratio 44.93 %





MAT 6331 (n,2n) α :61-Pm-148m3 63-Eu-153
 Radionuclide Production Cross Section to 9999. %

