

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

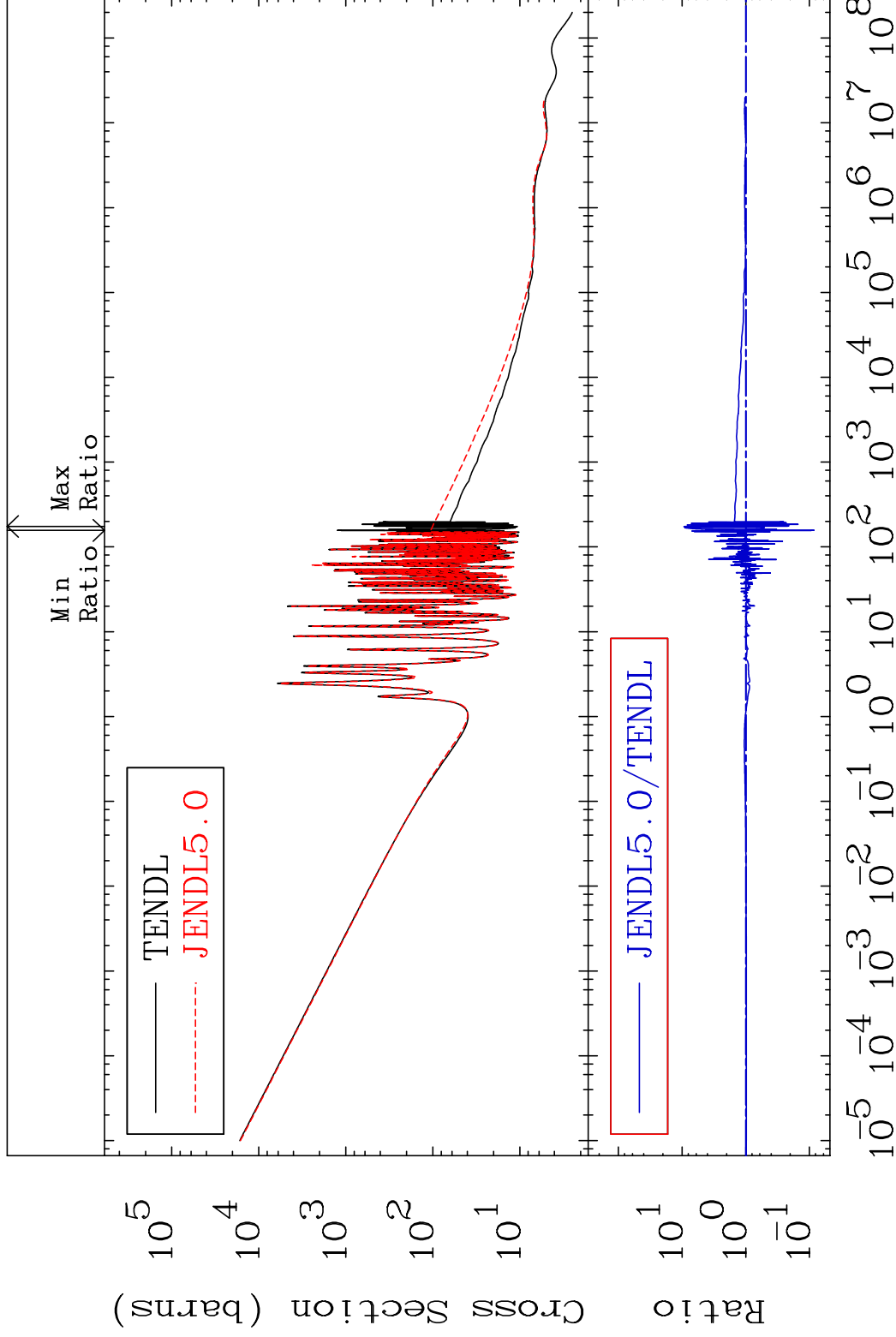
MAT 6331

Total

63-Eu-153

Cross Section

-91.56 To 844.7 %



1

Incident Energy (eV)

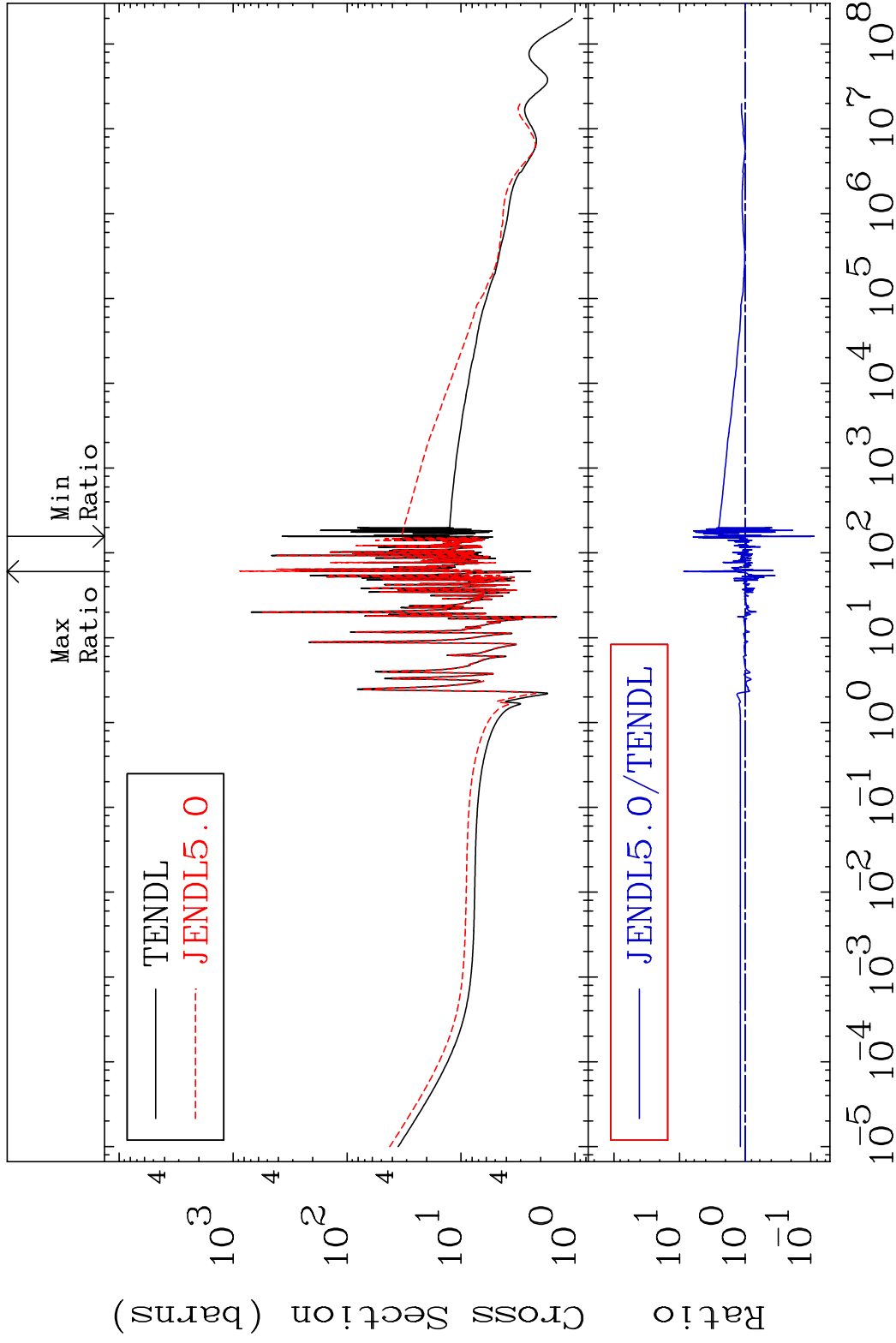
63-Eu-153

MAT 6331

Elastic

63-Eu-153

Cross Section -91.09 To 765.6 %

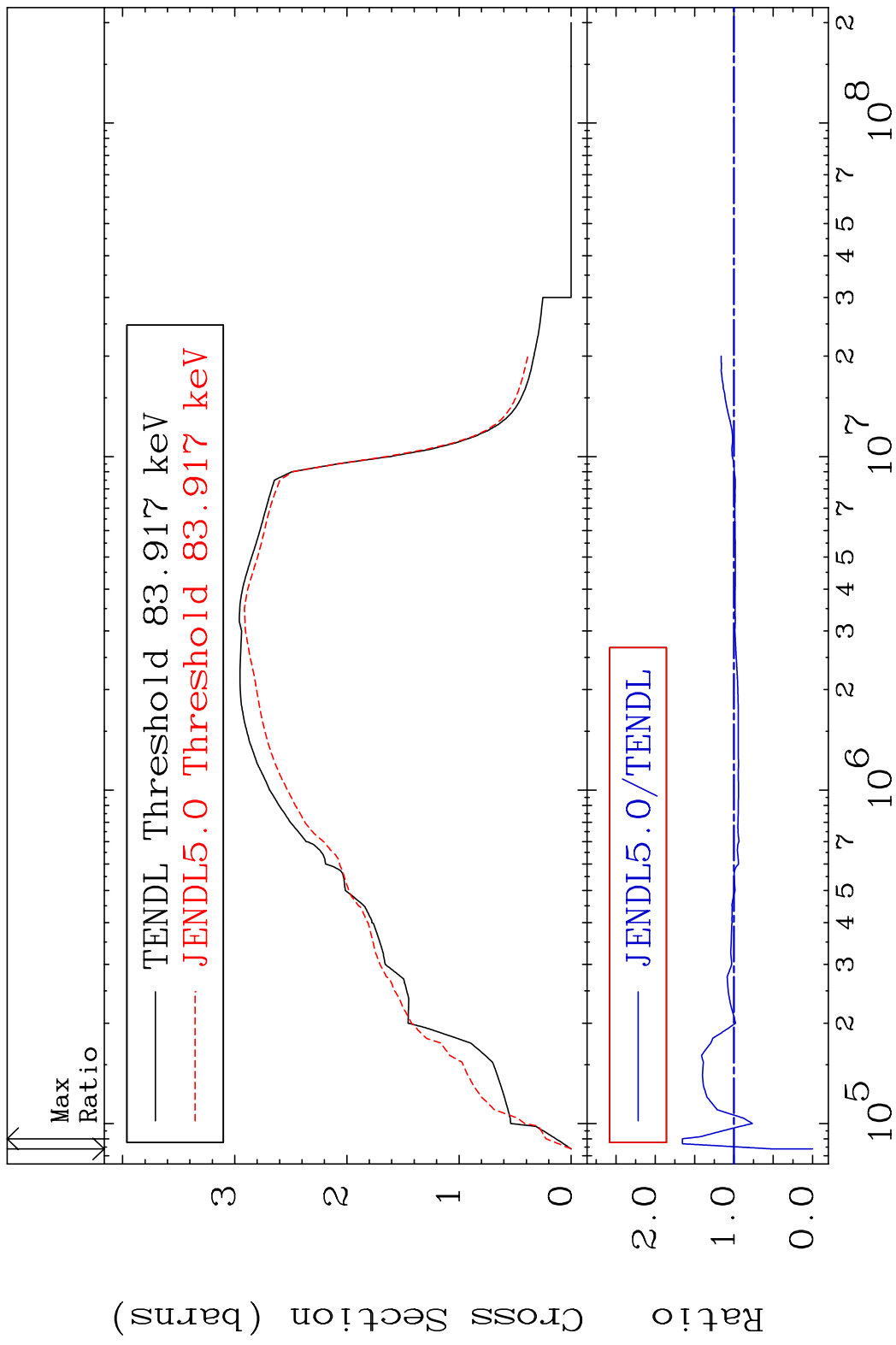


2

Incident Energy (eV)

63-Eu-153

MAT 6331                      Inelastic                      63-Eu-153  
Cross Section                      -100.0 To 65.56 %



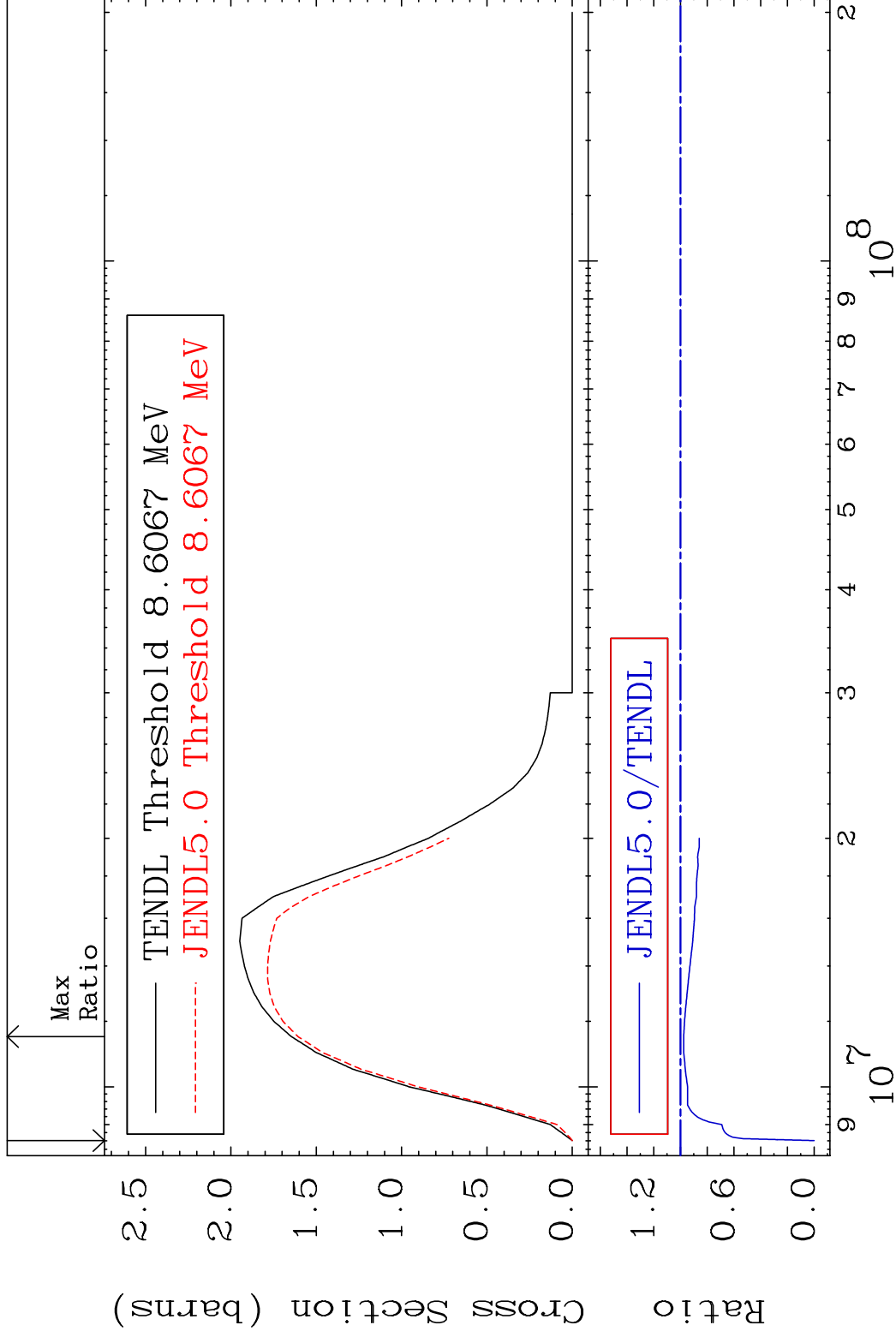
3                      Incident Energy (eV)                      63-Eu-153

MAT 6331

(n,2n)

63-Eu-153

Cross Section -100.0 To -2.392%



4

Incident Energy (eV)

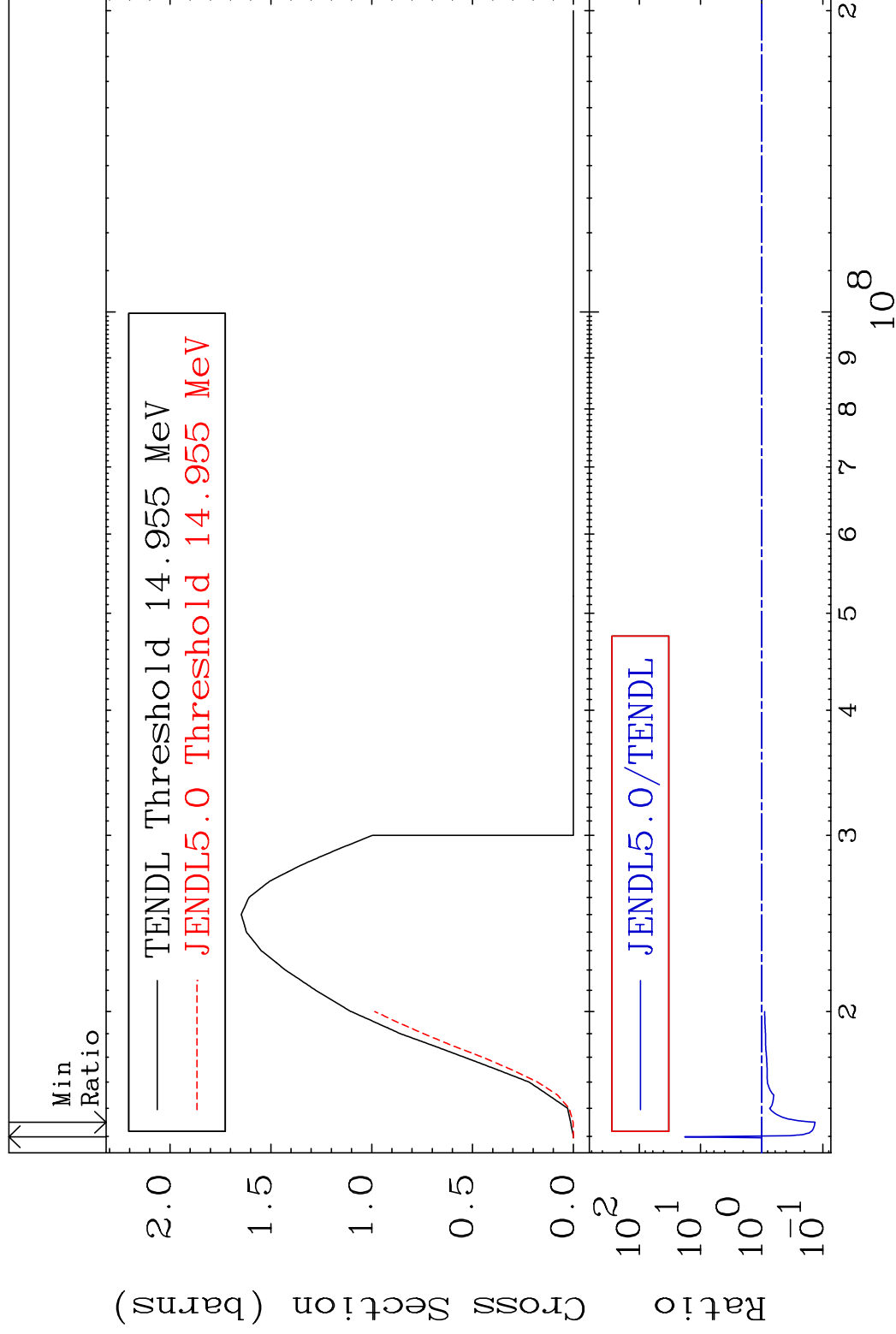
63-Eu-153

MAT 6331

(n,3n)

63-Eu-153

Cross Section -86.57 To 1707. %



5

Incident Energy (eV)

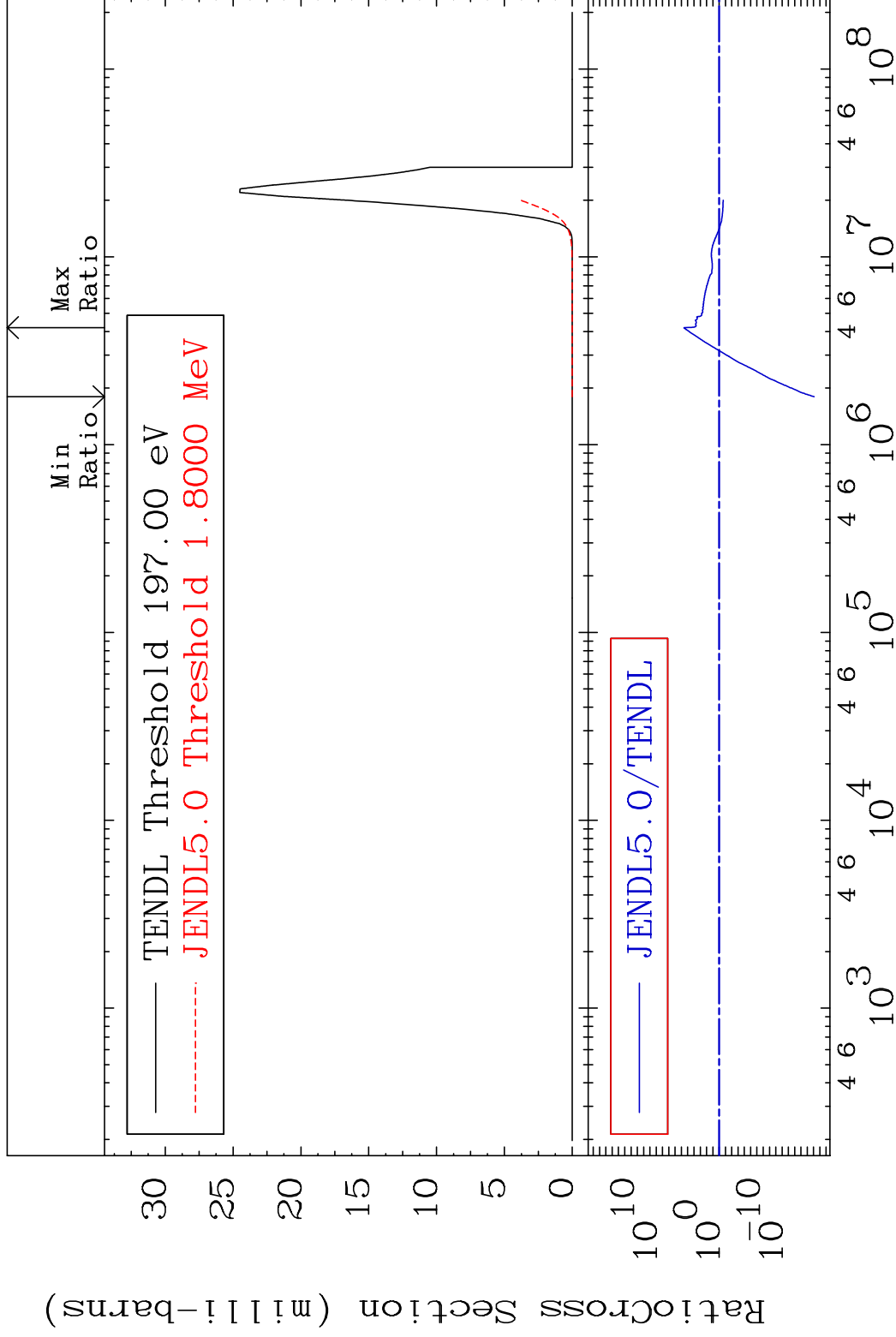
63-Eu-153

MAT 6331

(n, n')  $\alpha$

63-Eu-153

Cross Section -100.0 To 9999. %

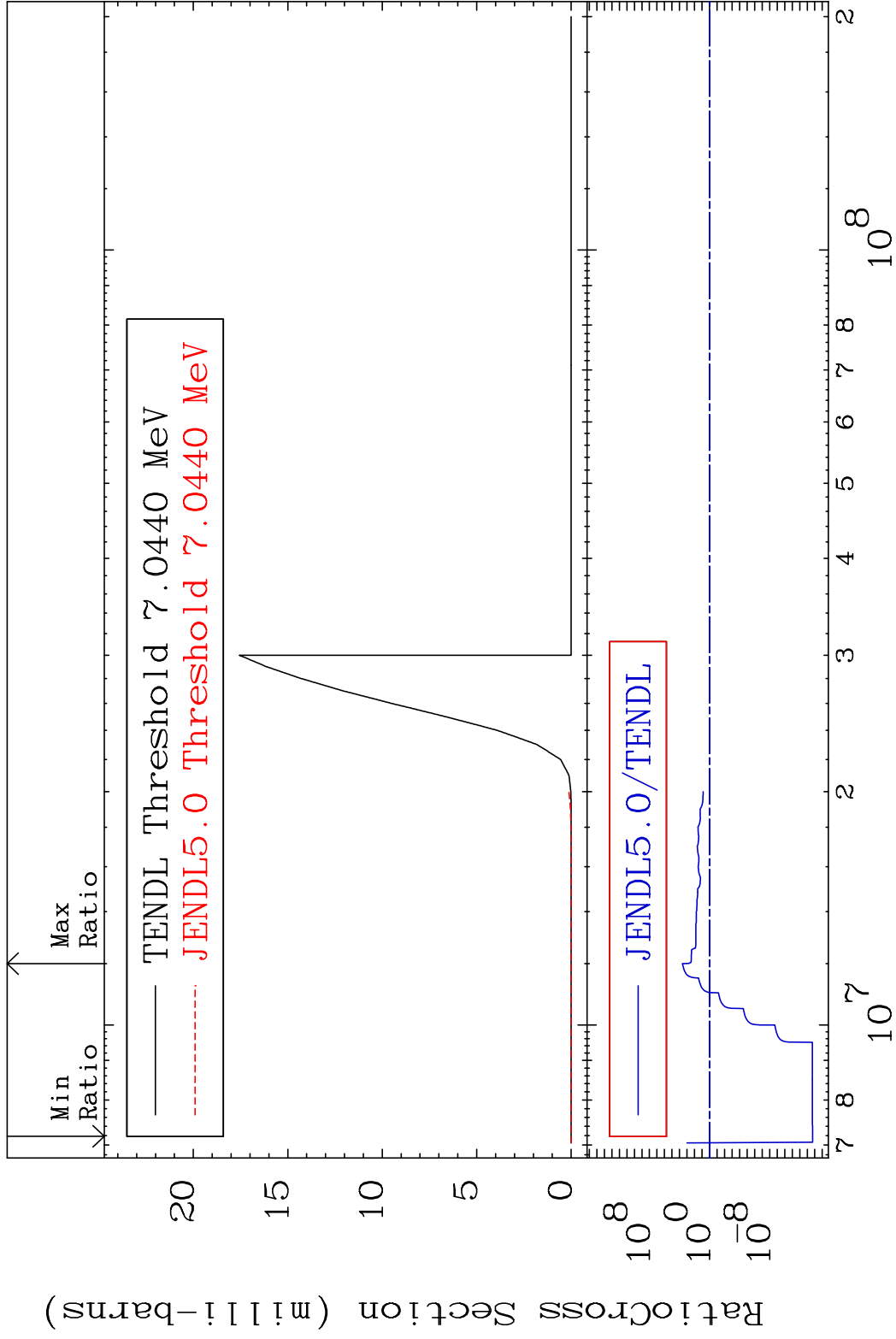


MAT 6331

(n,2n)  $\alpha$

63-Eu-153

Cross Section -100.0 To 9999. %

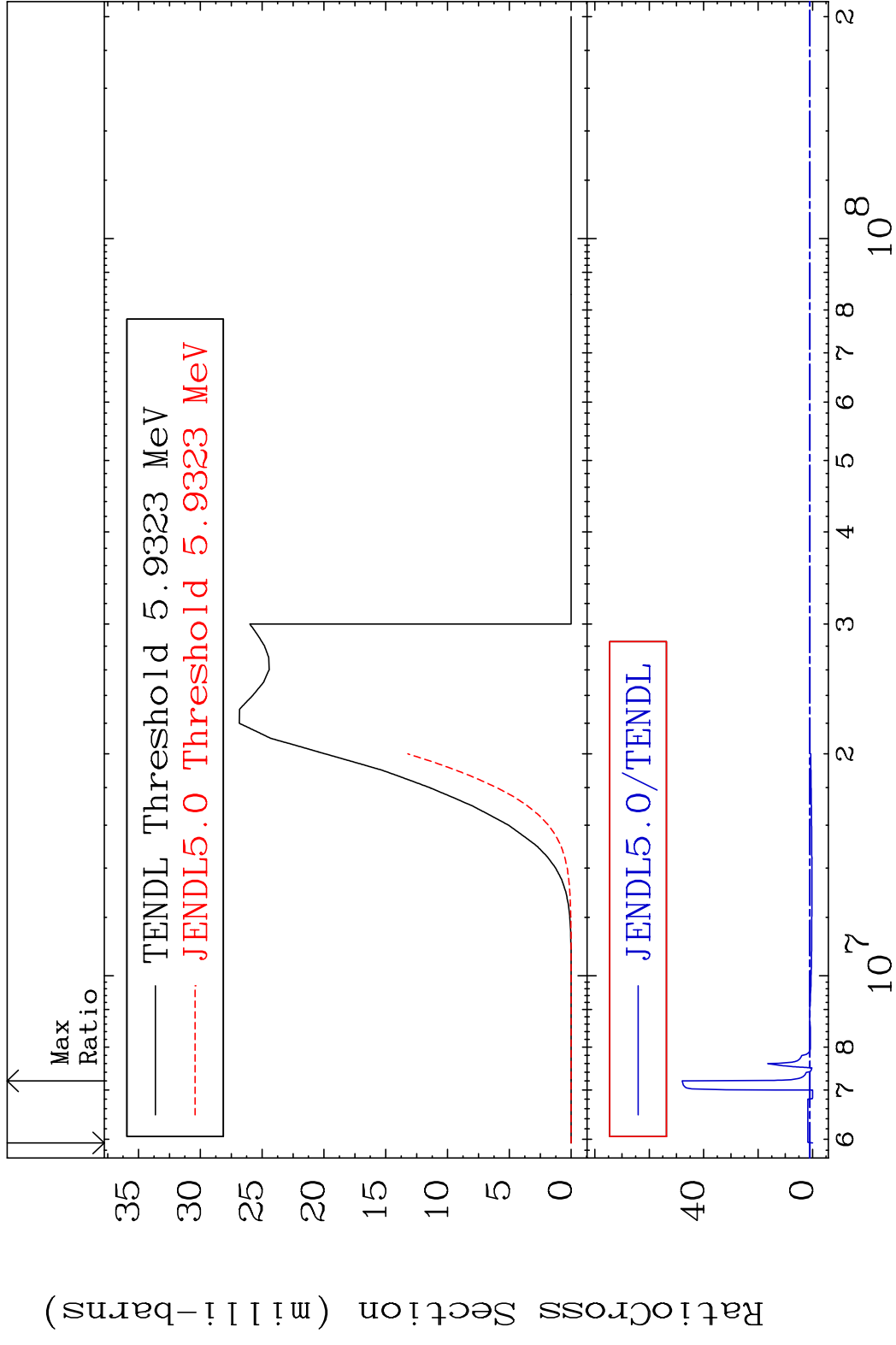


7

Incident Energy (eV)

63-Eu-153

MAT 6331 (n, n') p 63-Eu-153  
 Cross Section -100.0 To 4683. %



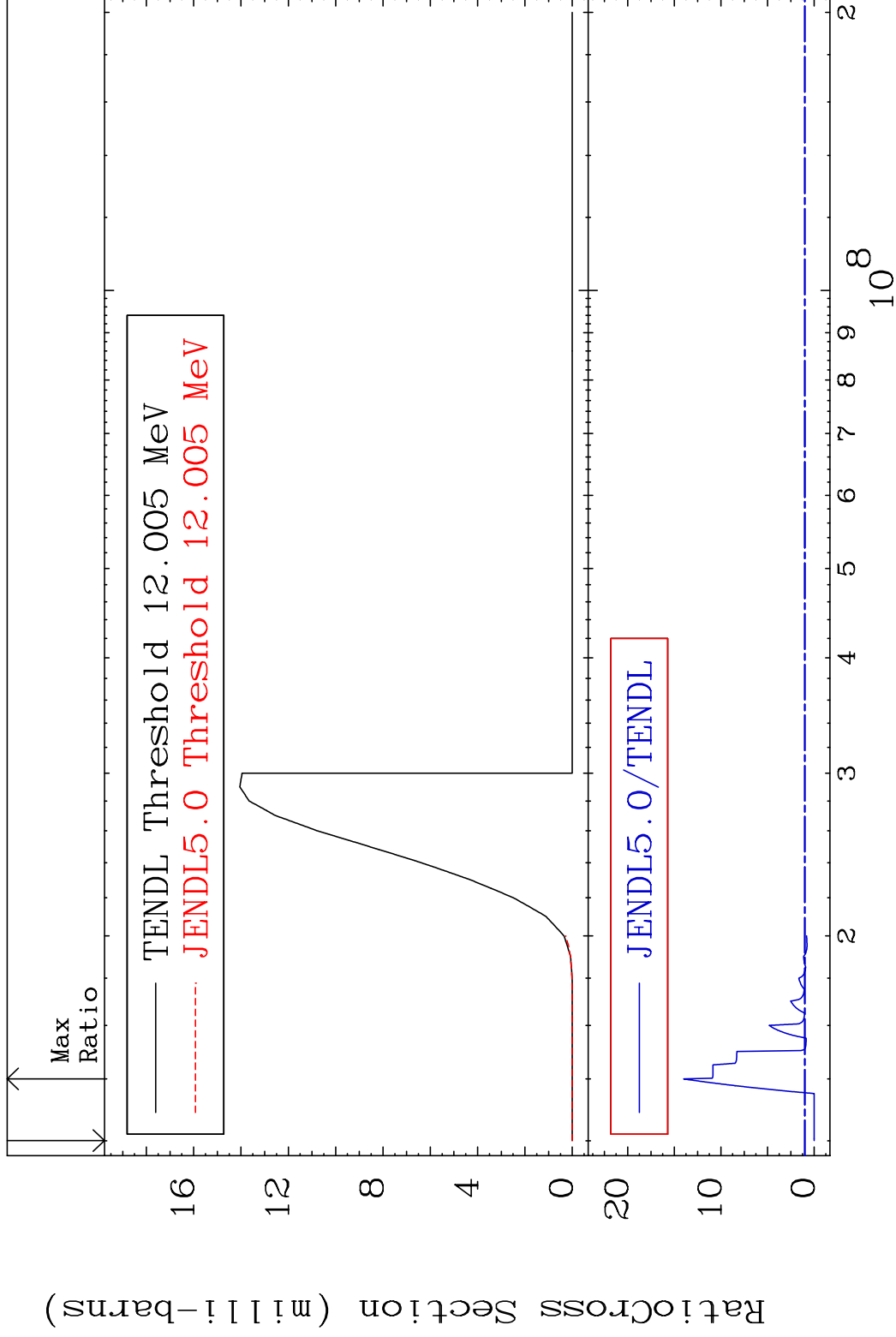
8 Incident Energy (eV) 63-Eu-153

MAT 6331

(n, n') d

63-Eu-153

Cross Section -100.0 To 1300. %



9

Incident Energy (eV)

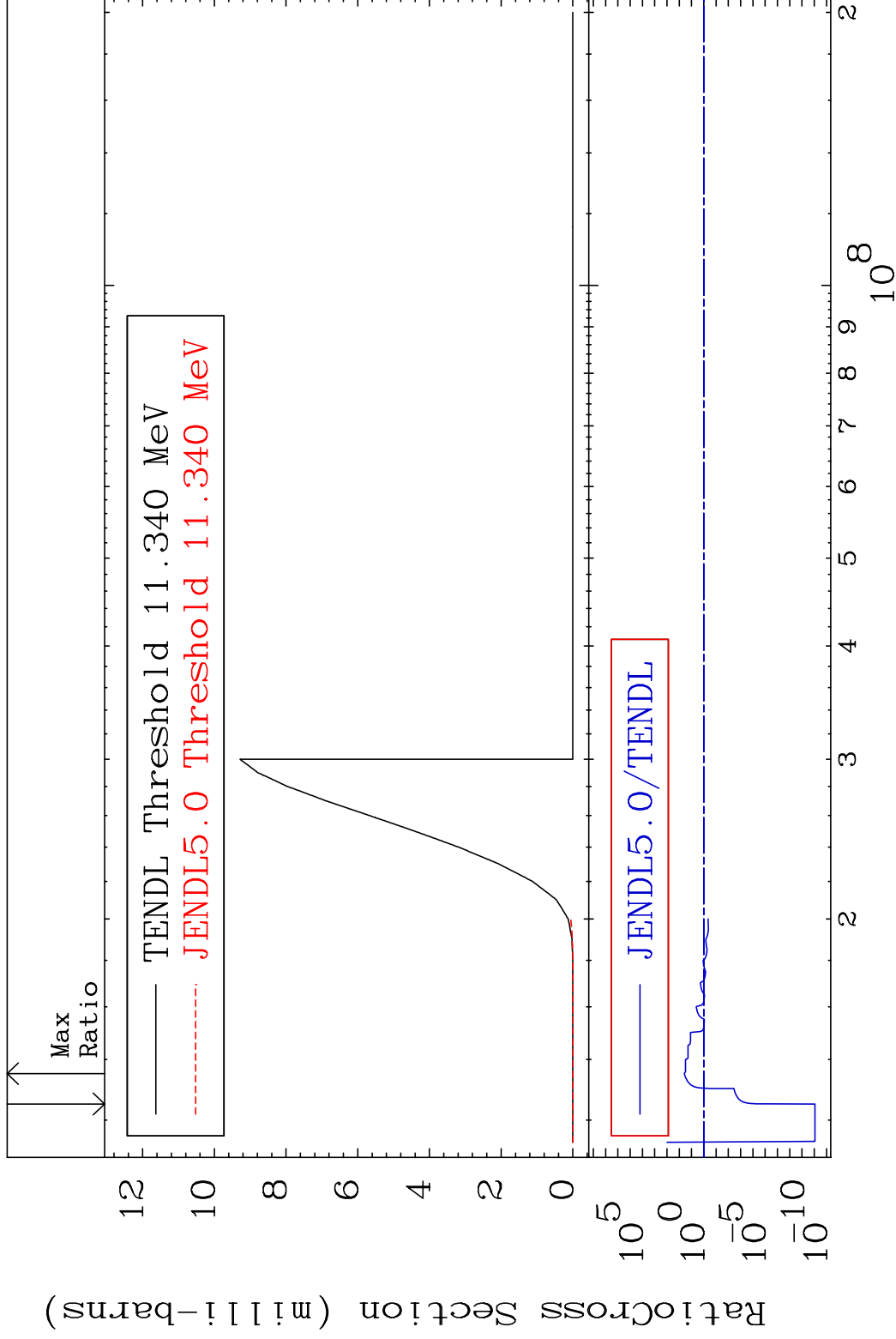
63-Eu-153

MAT 6331

(n, n') t

63-Eu-153

Cross Section -100.0 To 3755. %

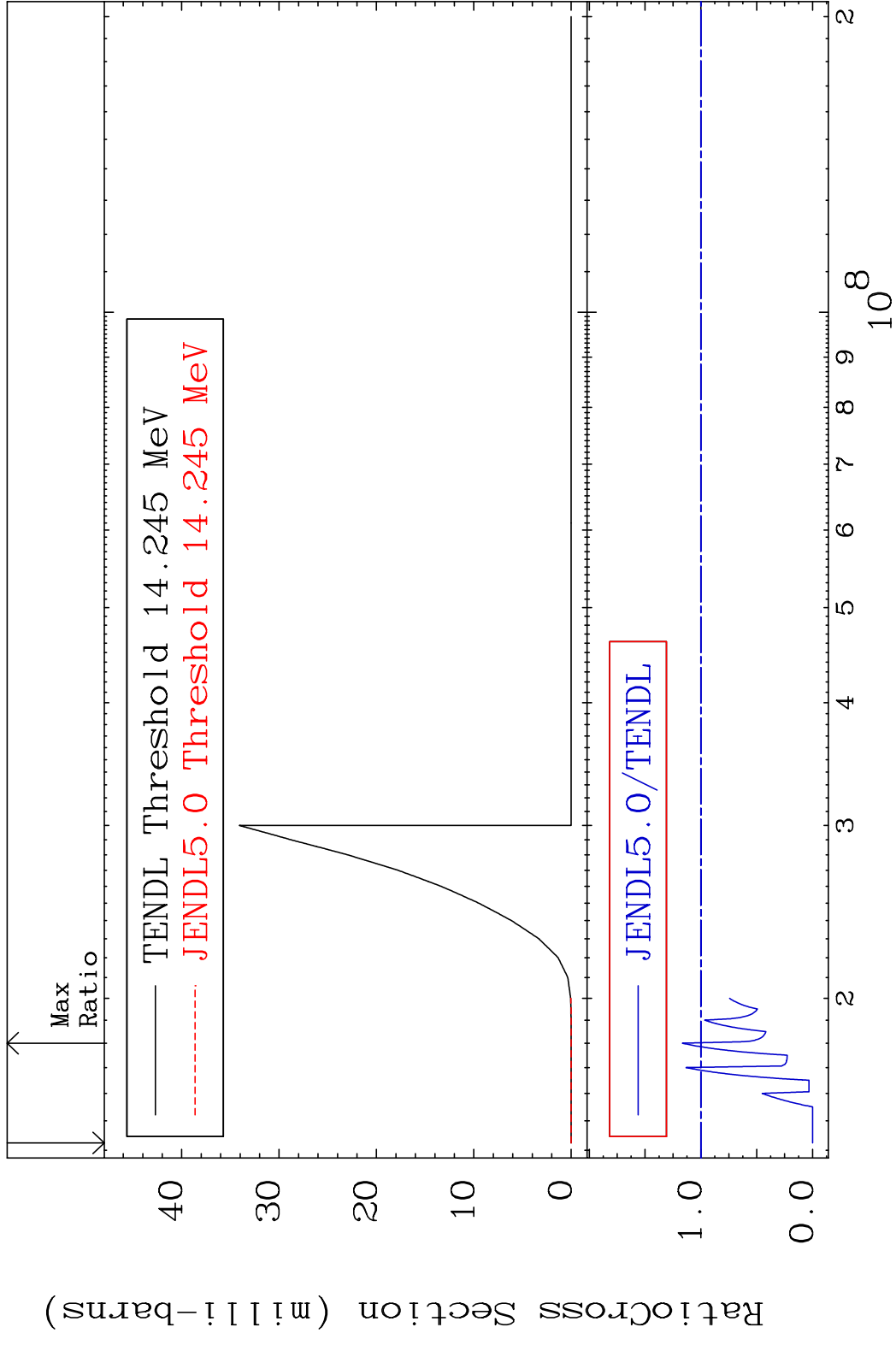


10

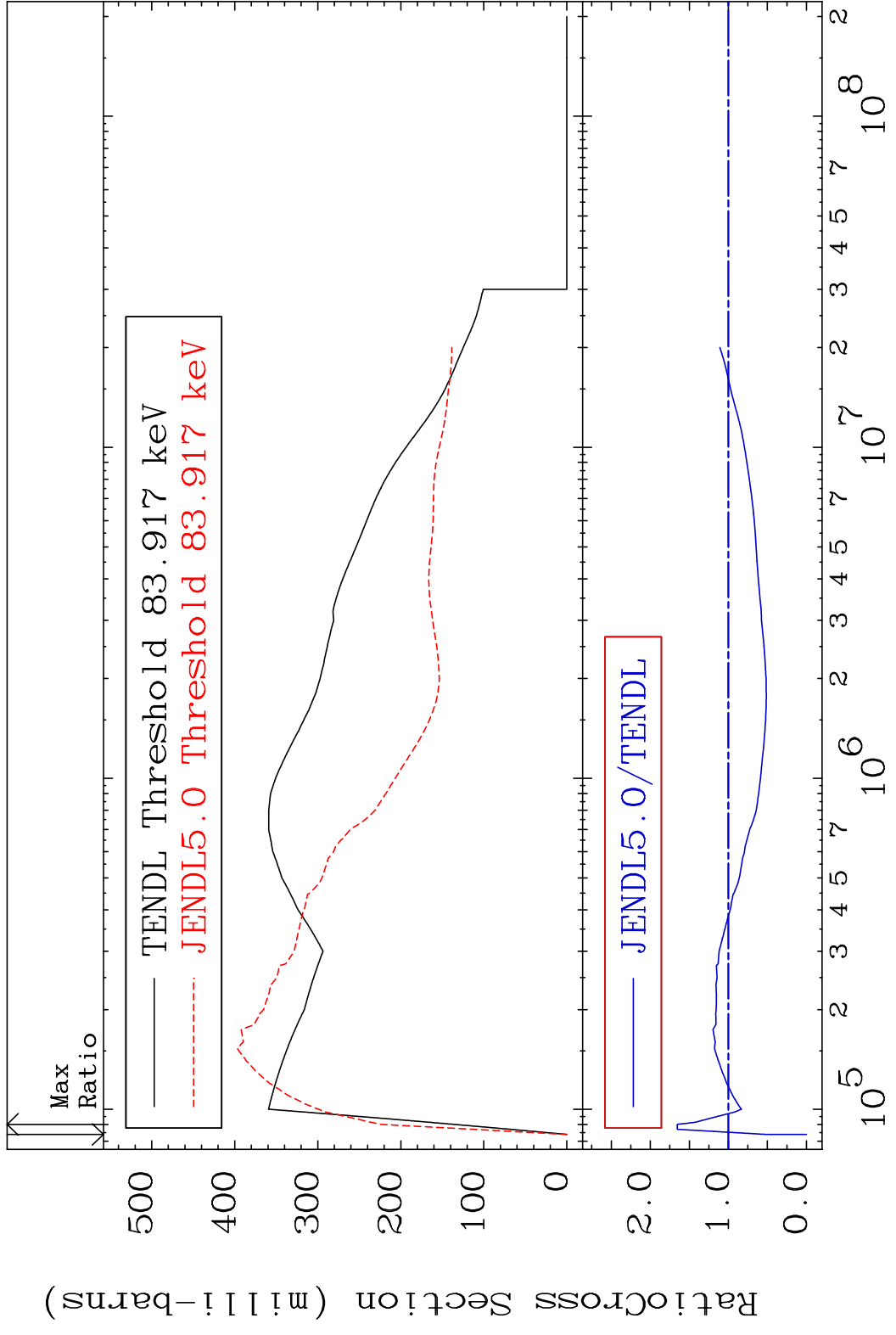
Incident Energy (eV)

63-Eu-153

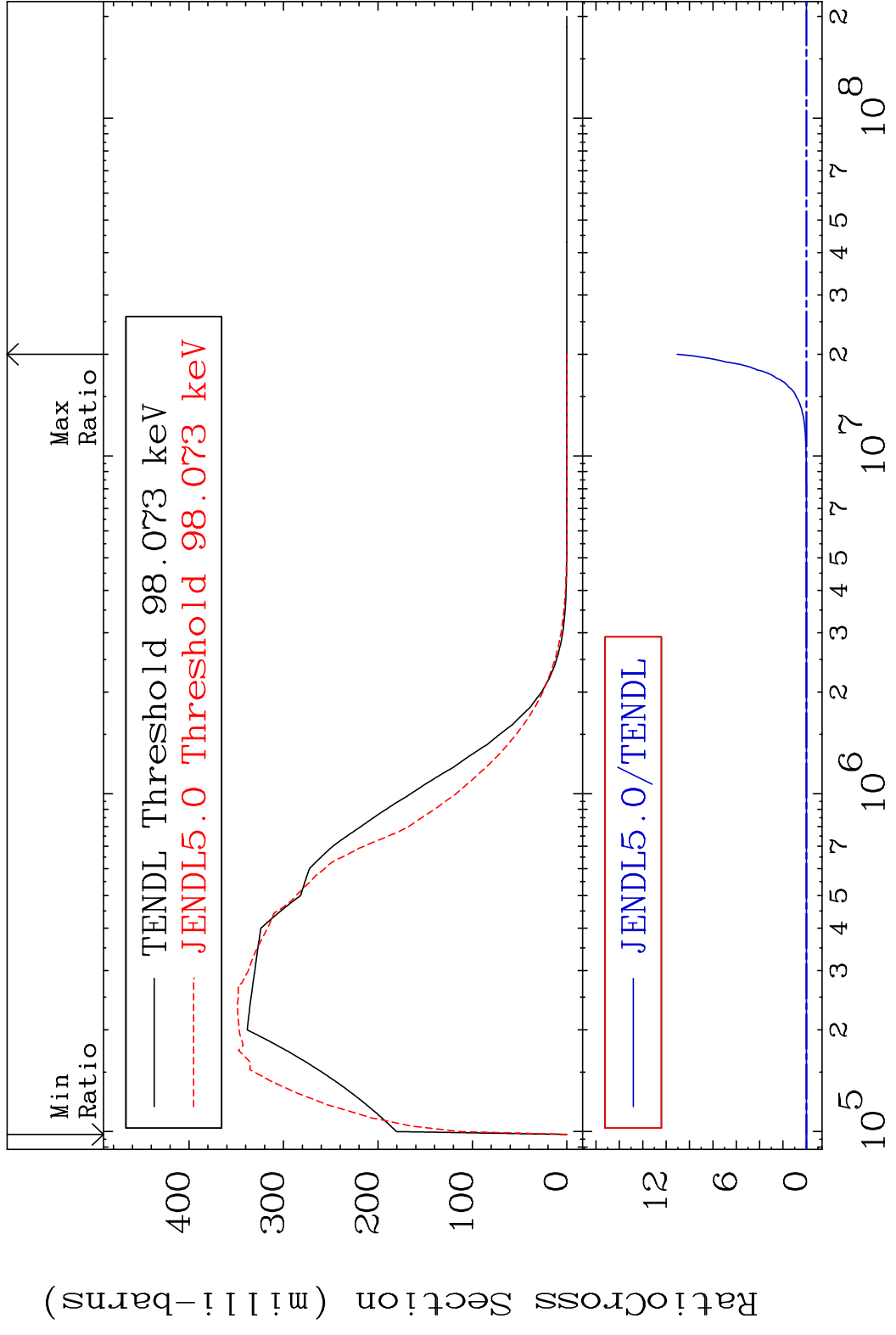
MAT 6331 (n,2n) p 63-Eu-153  
 Cross Section -100.0 To 16.61 %



MAT 6331 MT= 51 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 65.56 %

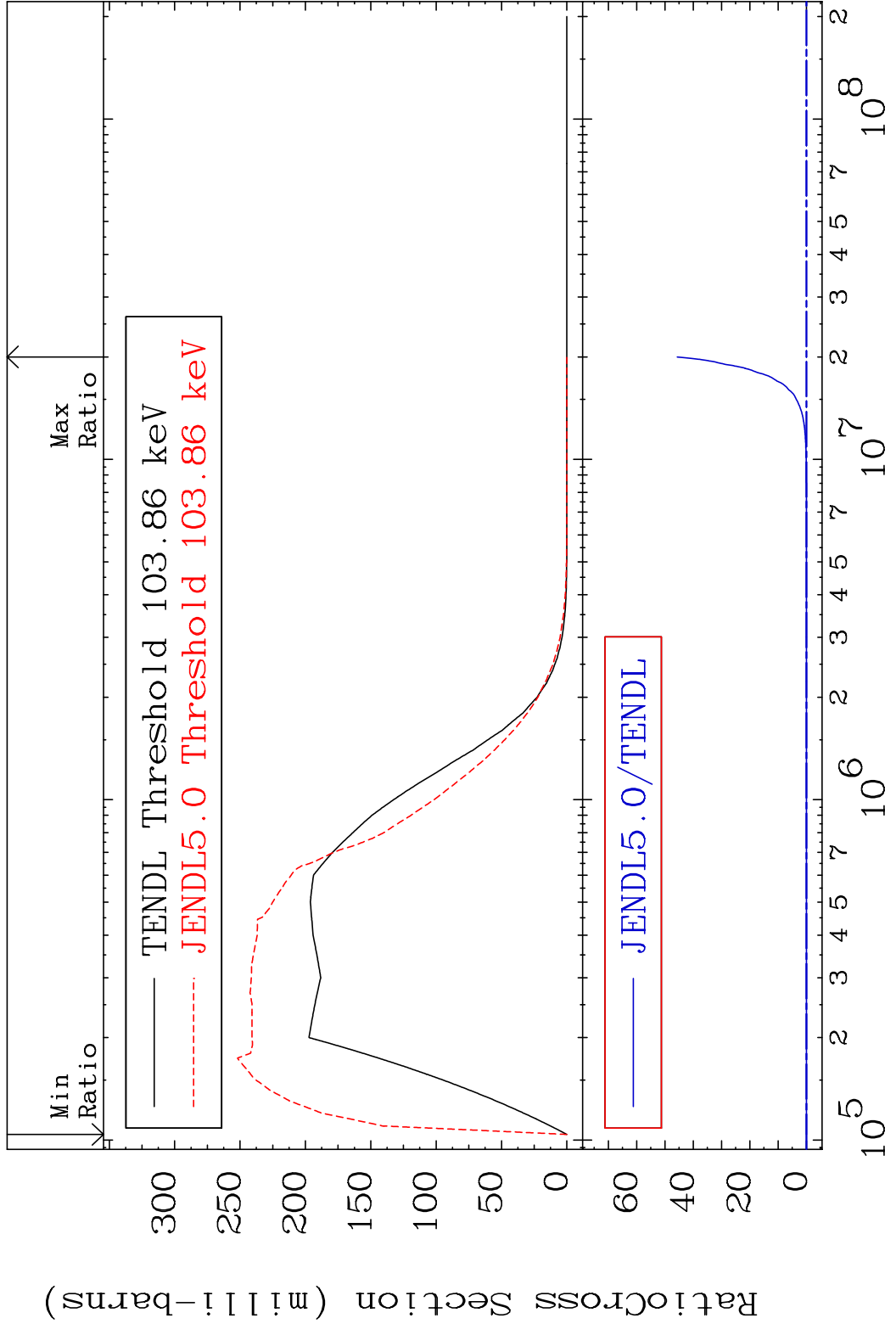


MAT 6331 MT= 52 (n,n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %

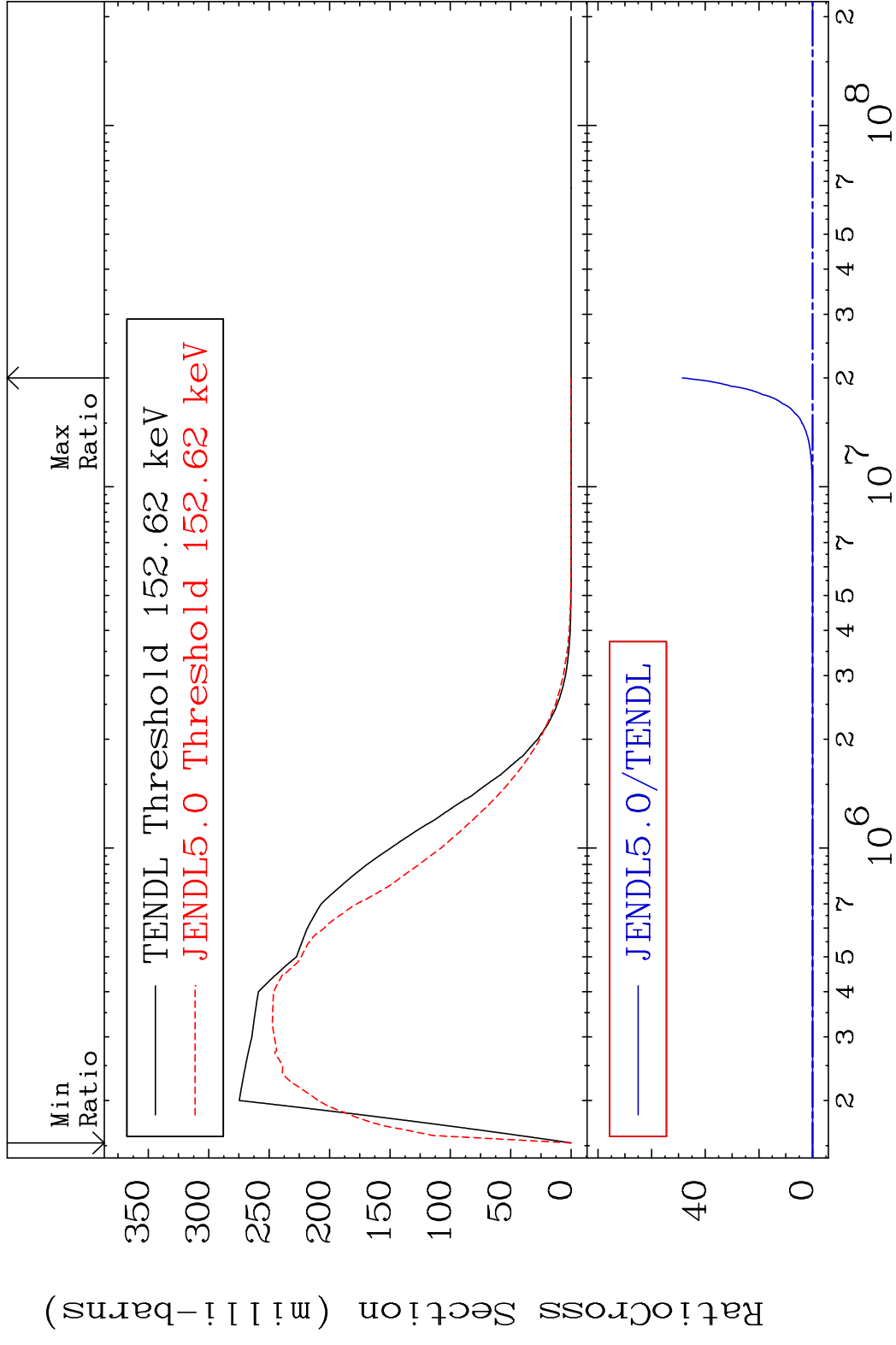


13 Incident Energy (eV) 63-Eu-153

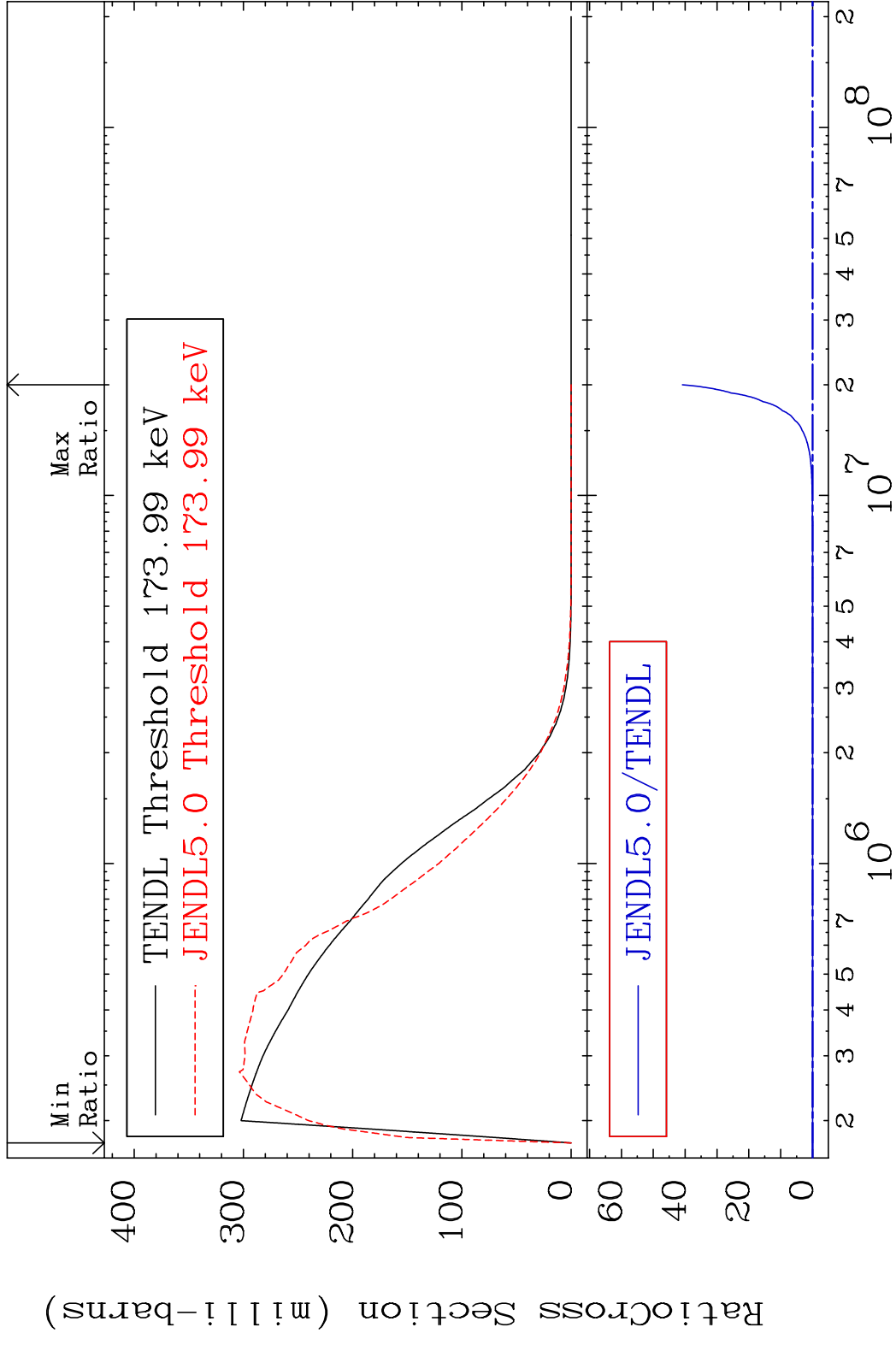
MAT 6331 MT= 53 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



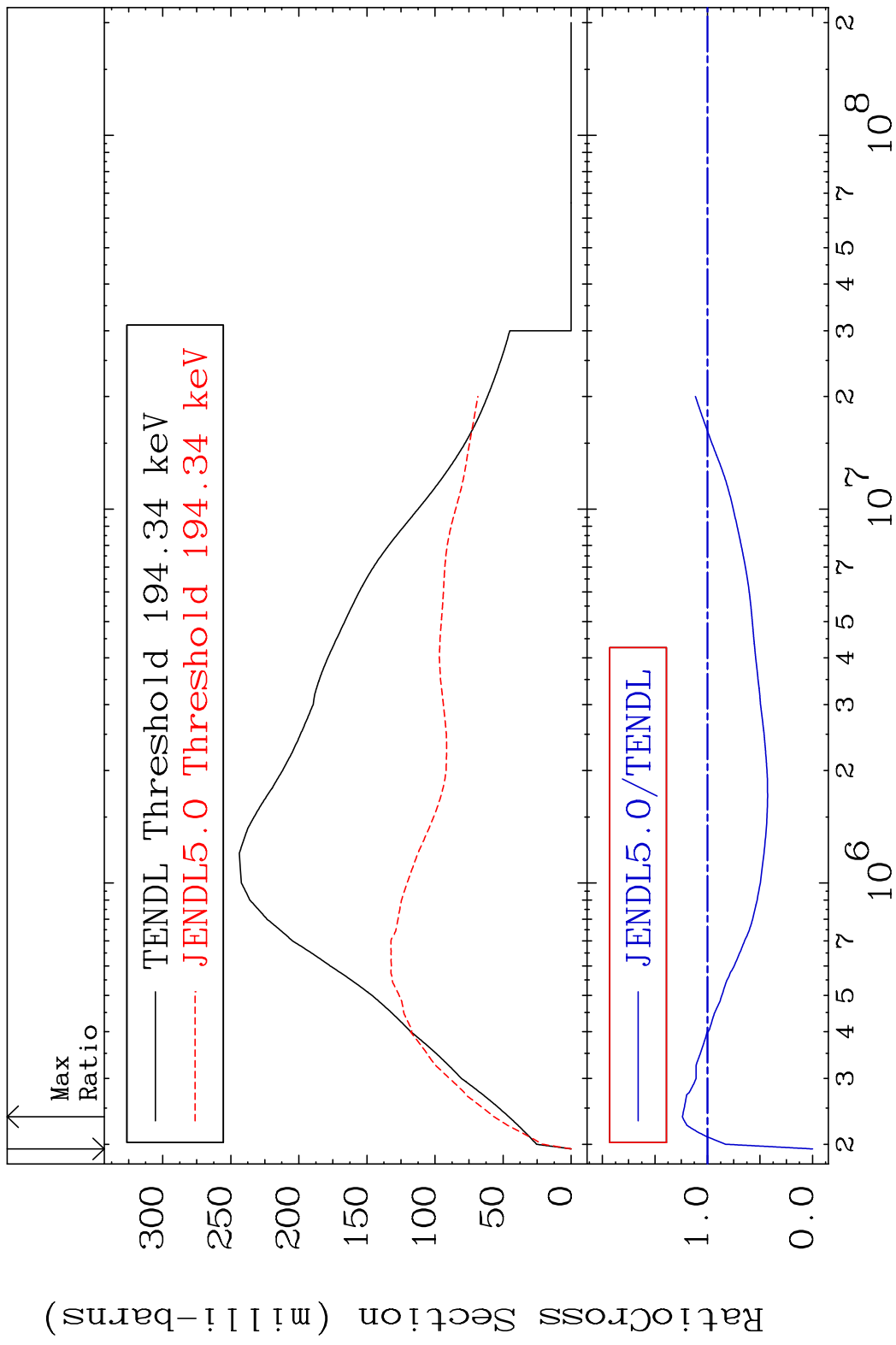
MAT 6331 MT= 54 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



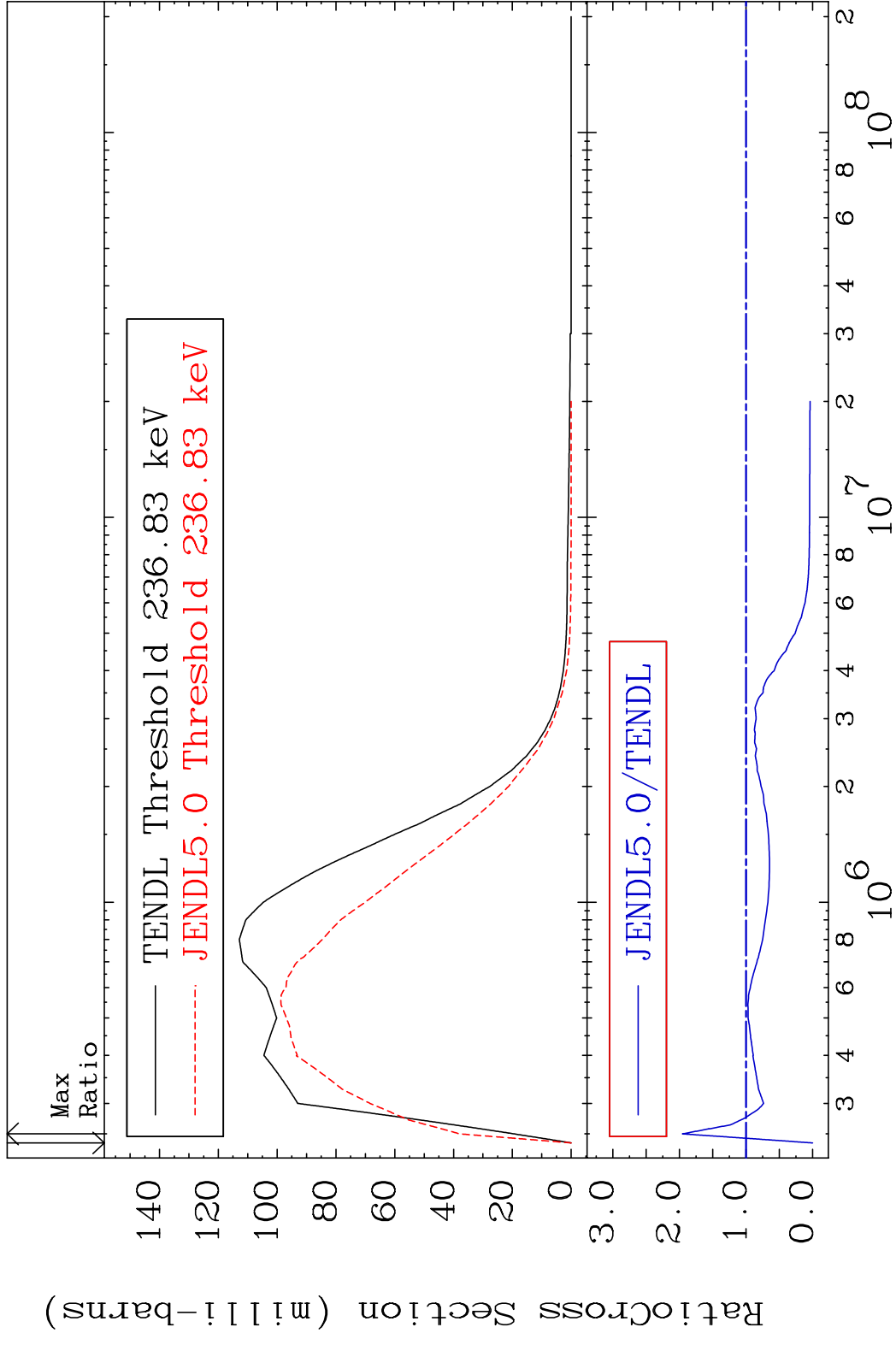
MAT 6331 MT= 55 (n,n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



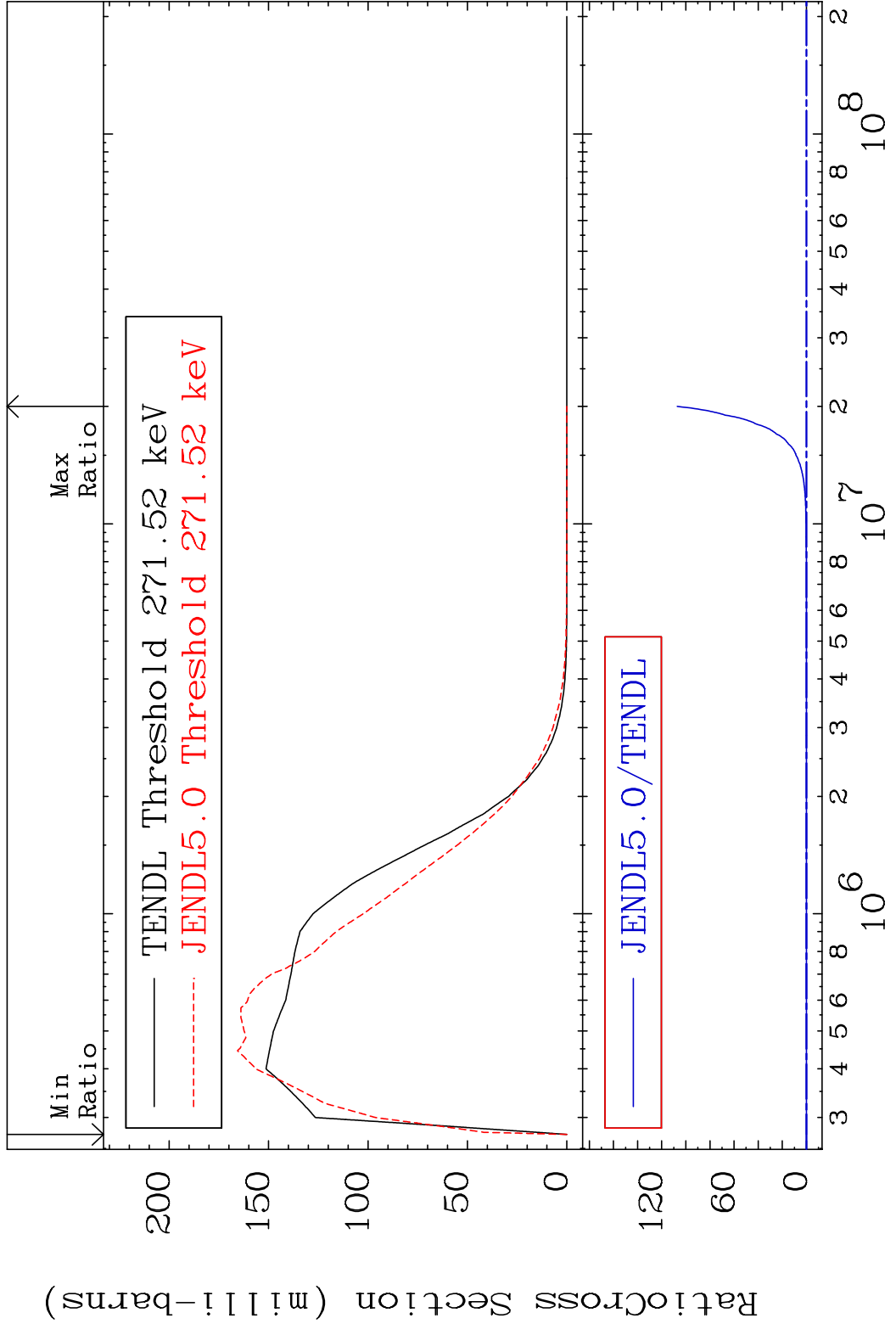
MAT 6331 MT= 56 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 23.90 %



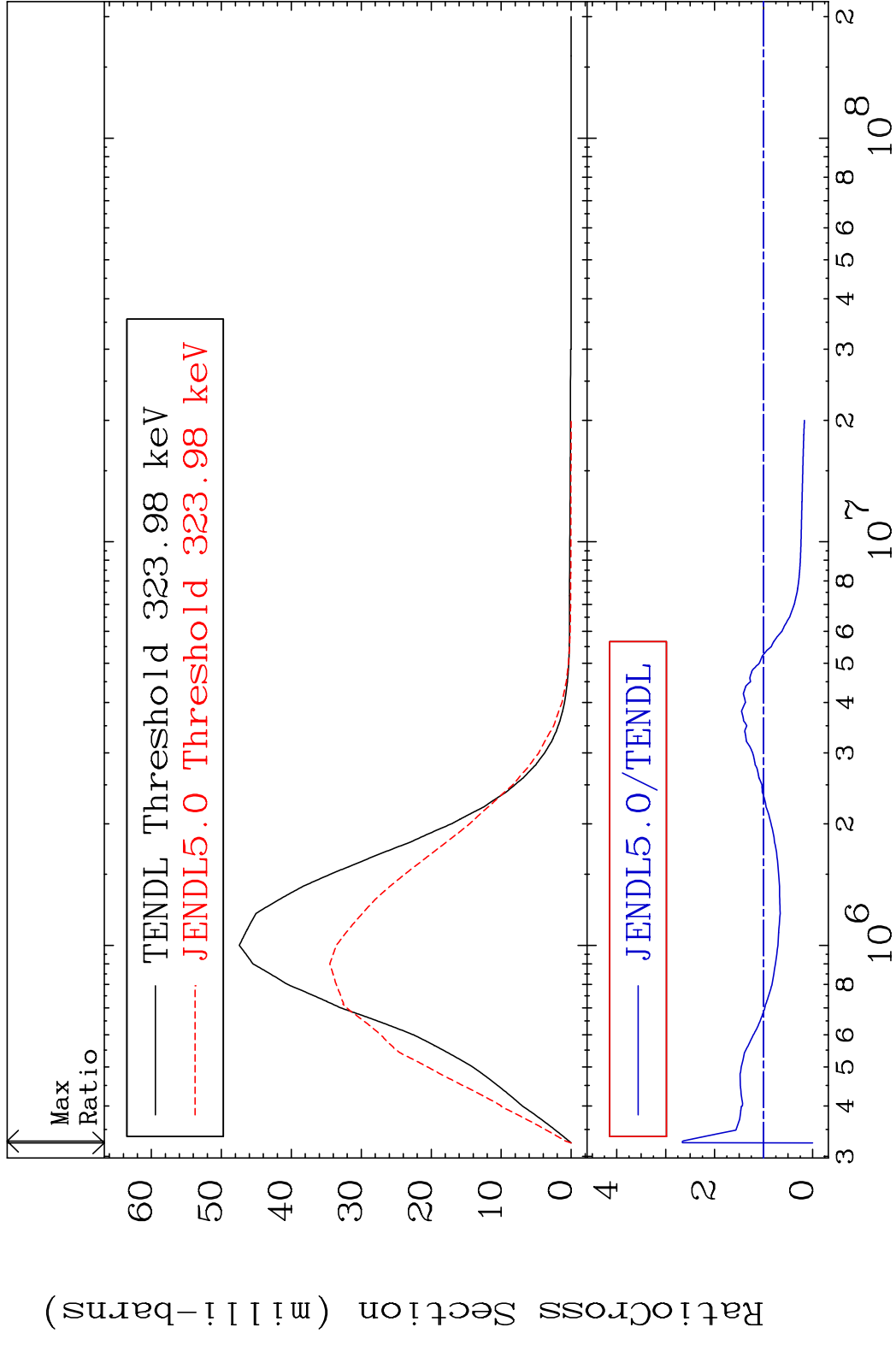
MAT 6331 MT= 57 (n,n') Level 63-Eu-153  
 Cross Section -100.0 To 95.51 %



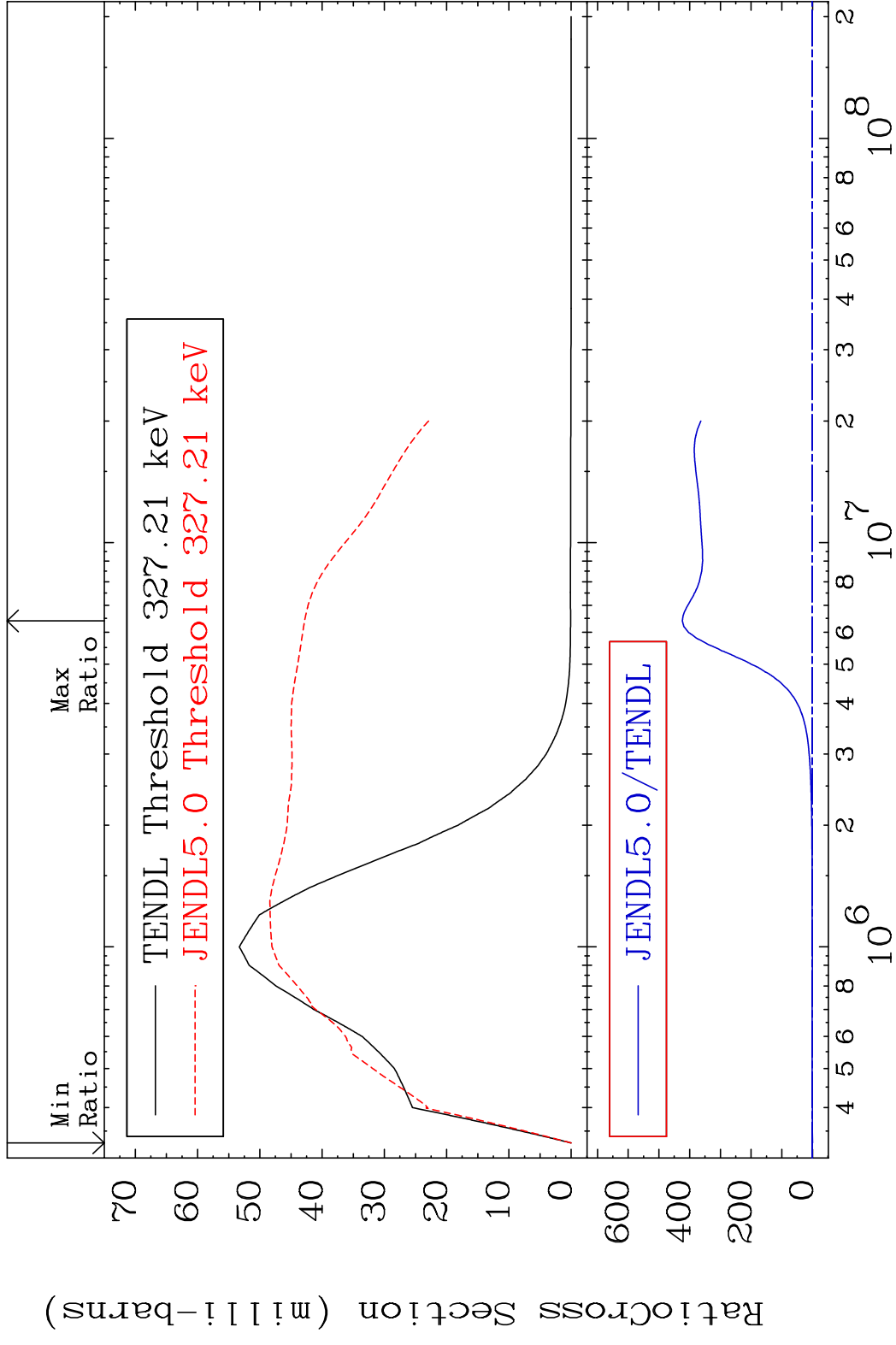
MAT 6331 MT= 58 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



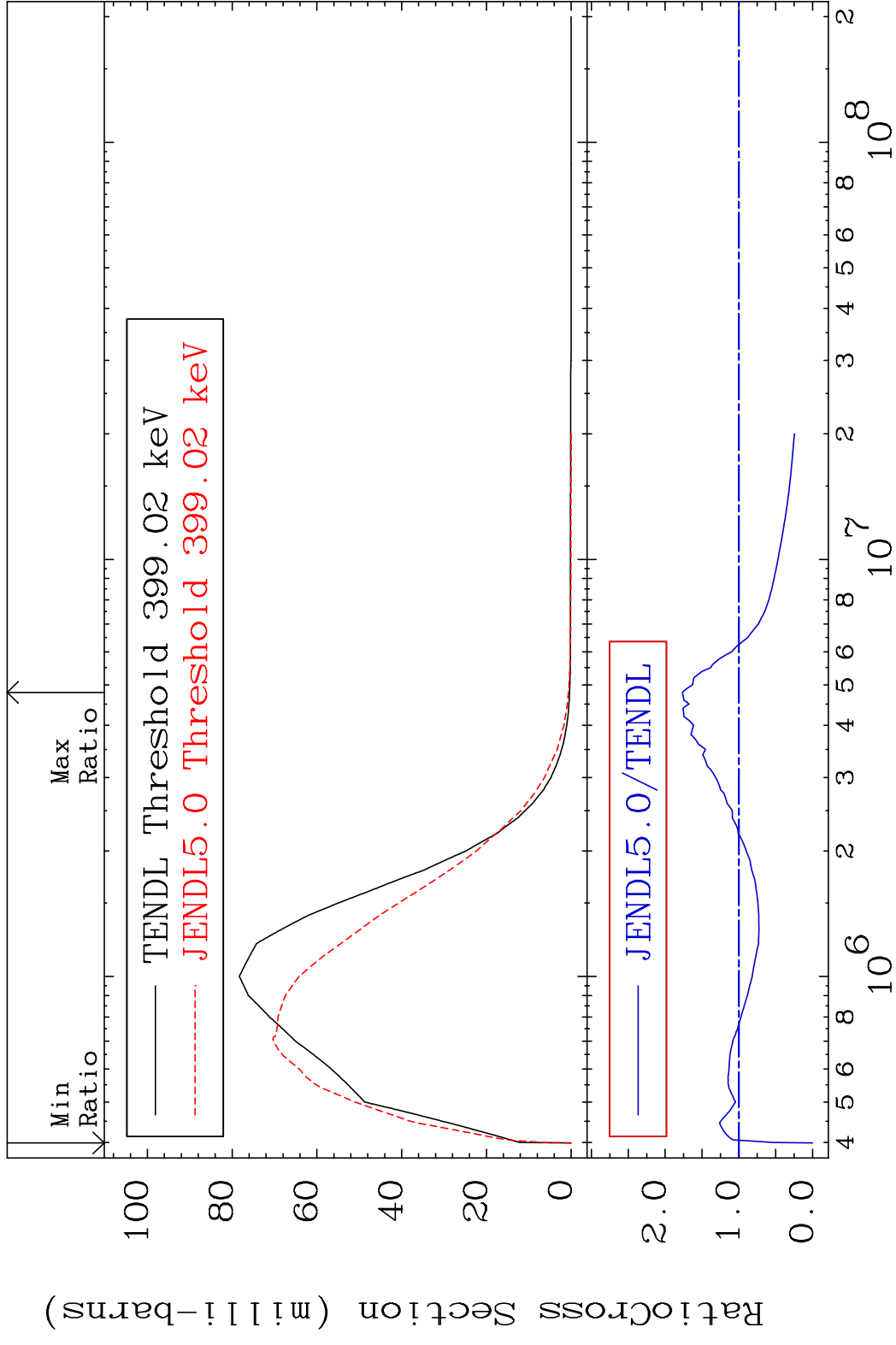
MAT 6331 MT= 59 (n,n') Level 63-Eu-153  
 Cross Section -100.0 To 165.9 %



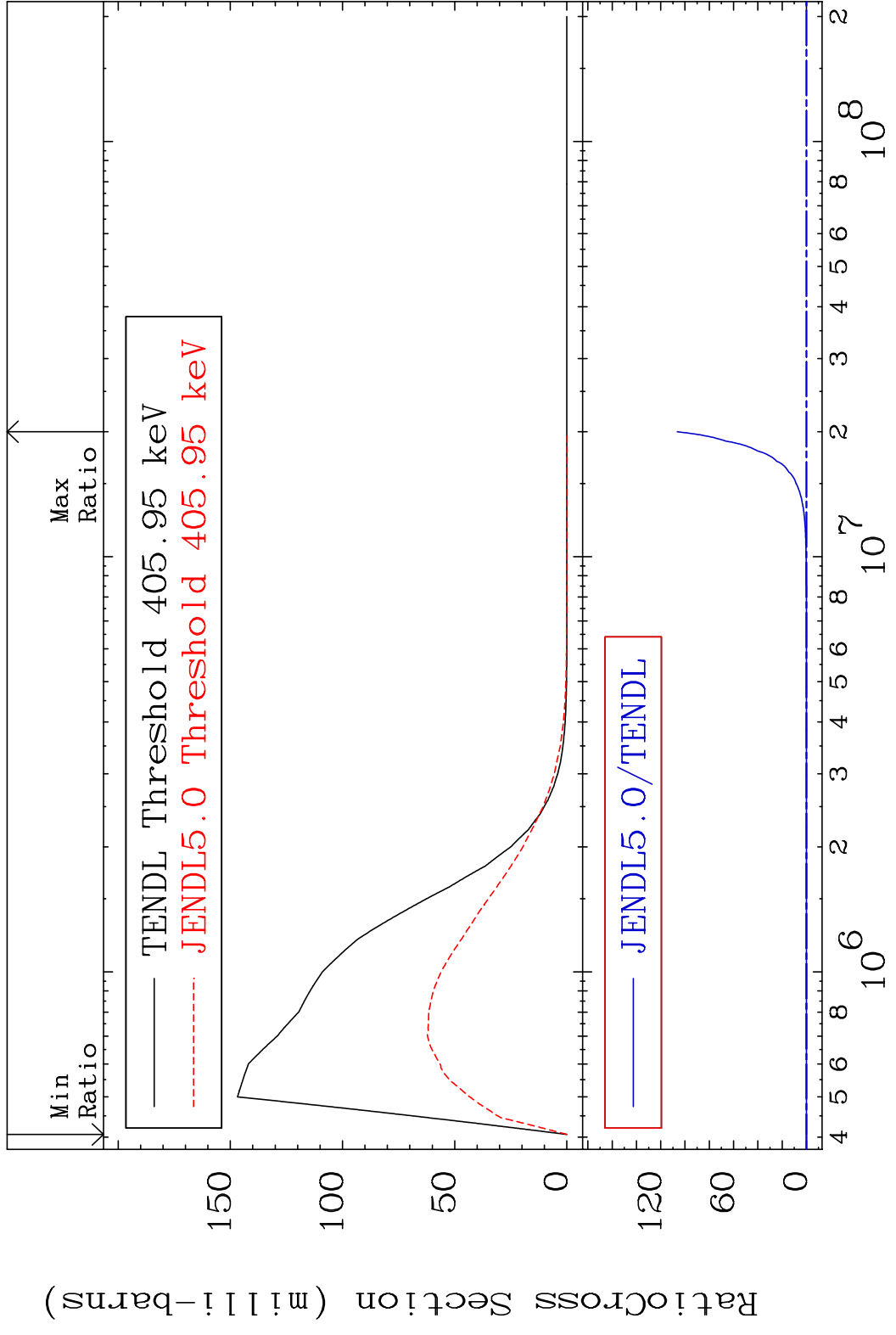
MAT 6331 MT= 60 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



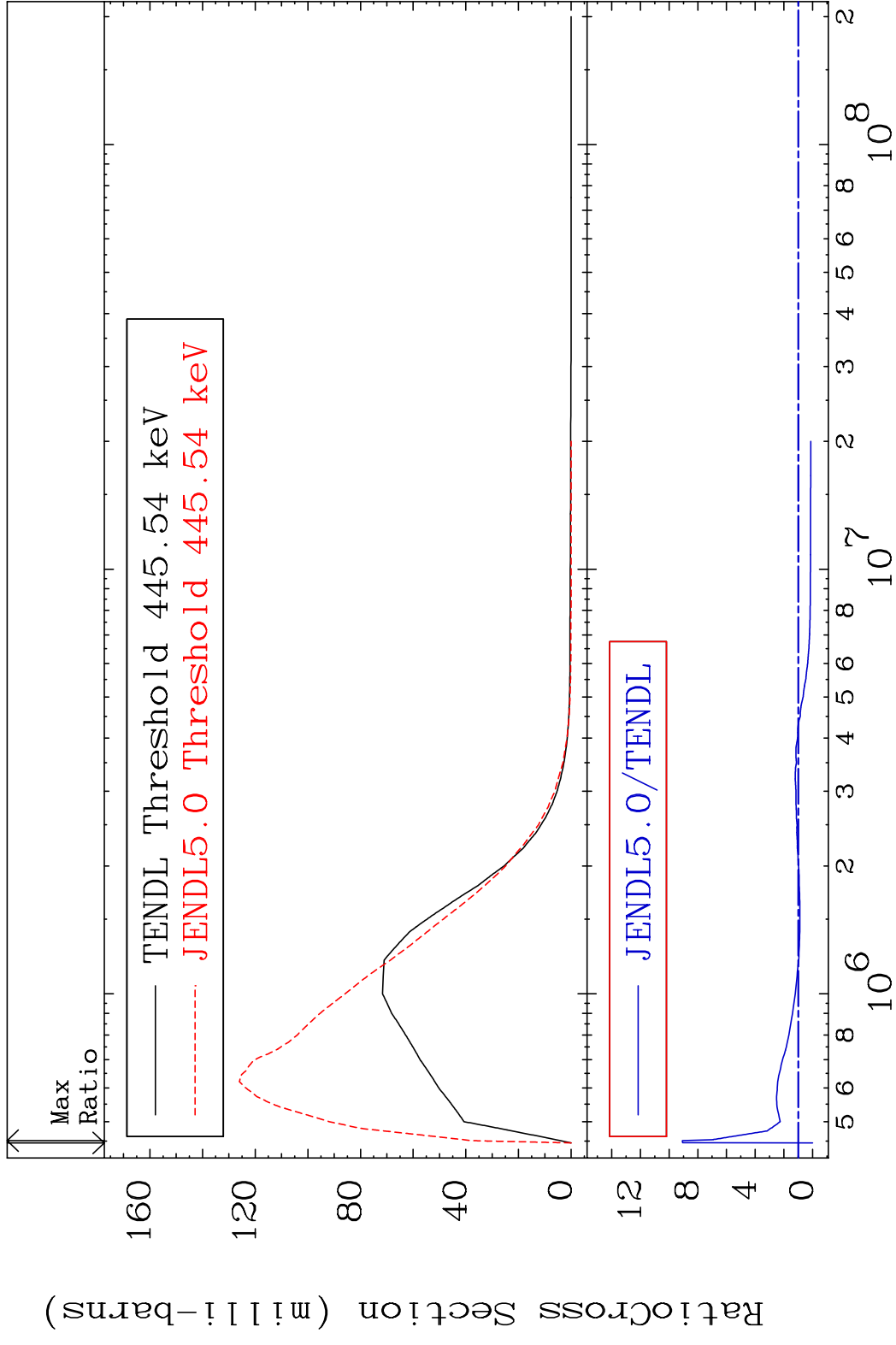
MAT 6331 MT= 61 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 76.64 %



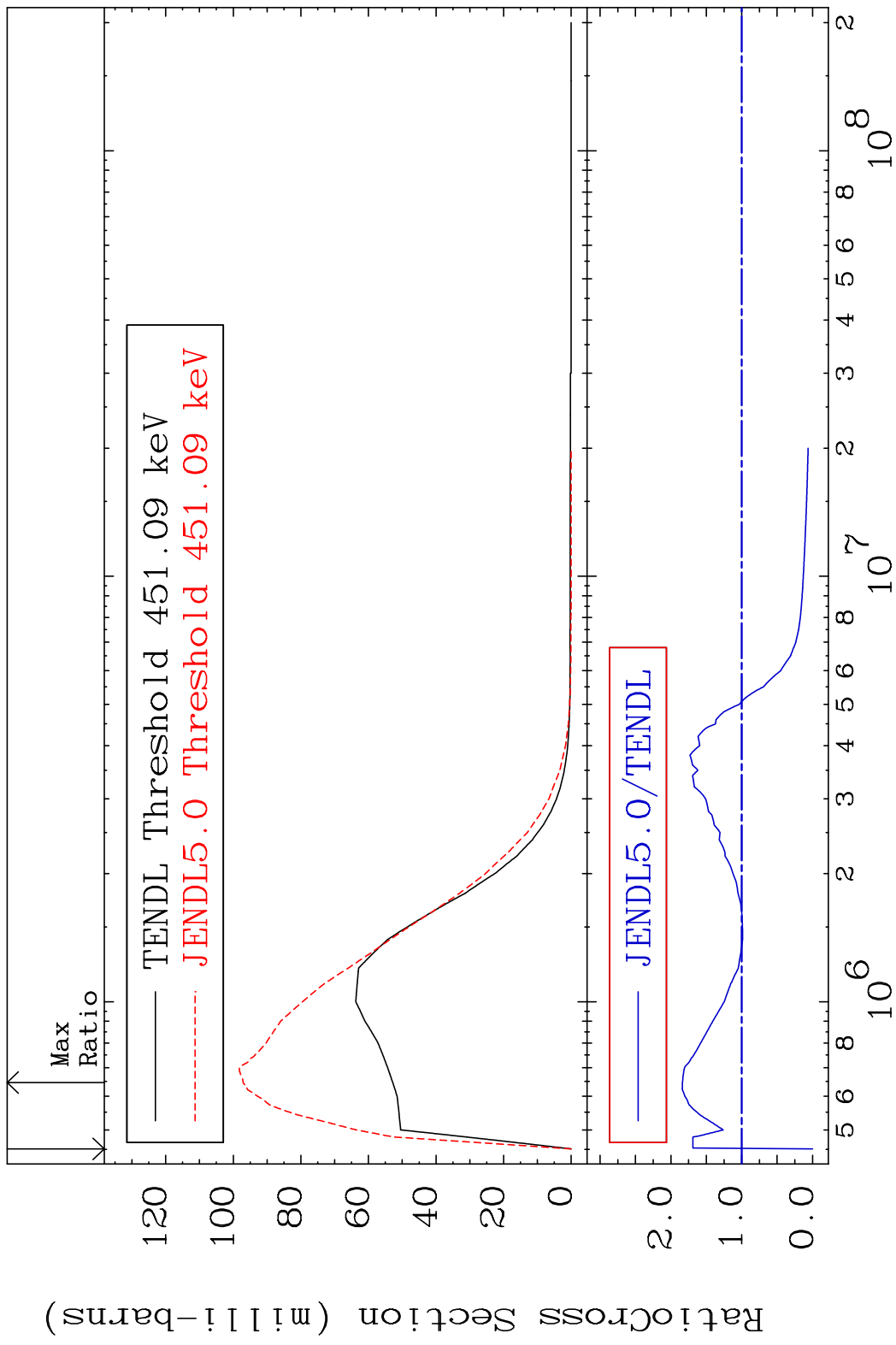
MAT 6331 MT= 62 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



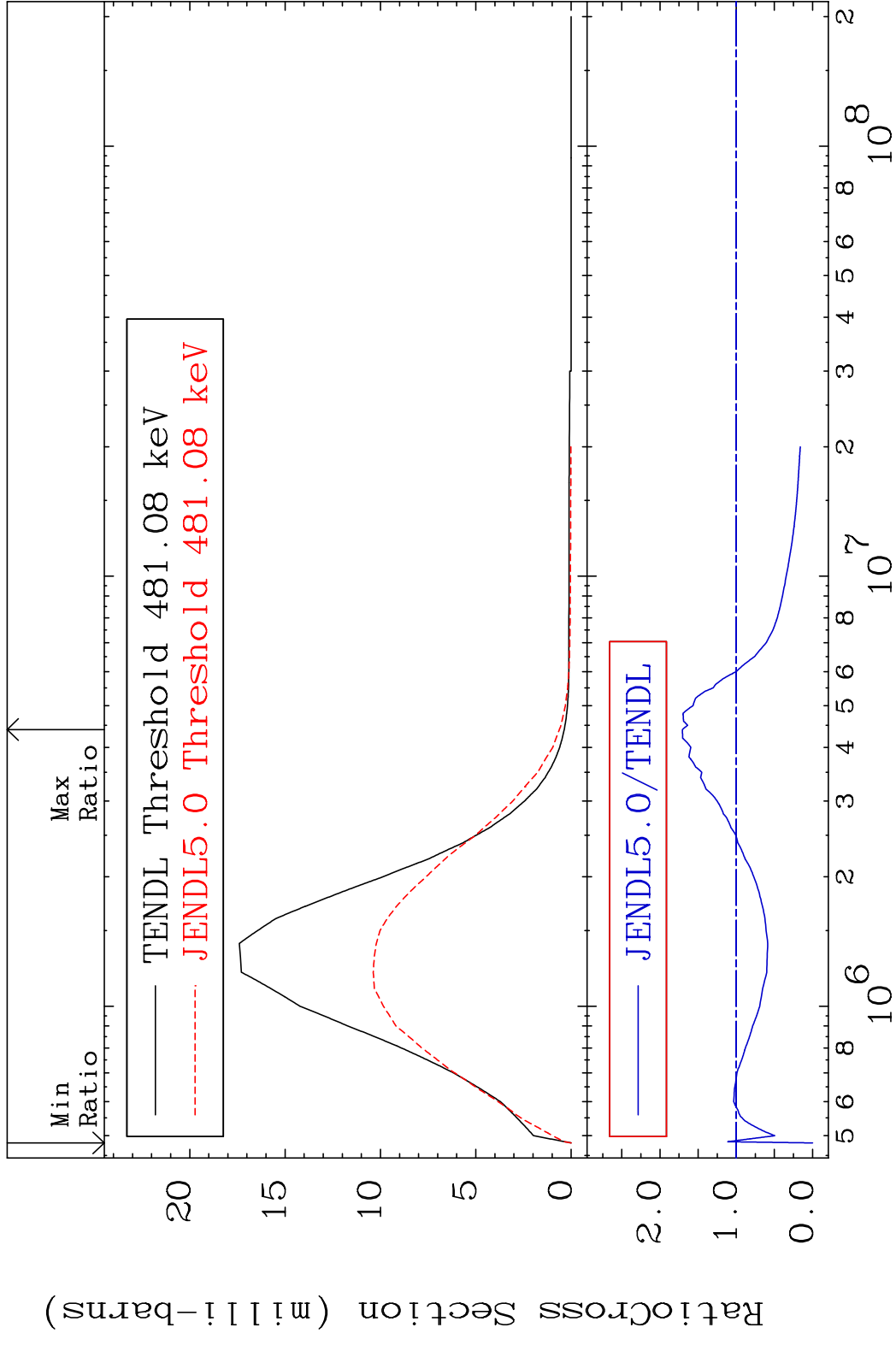
MAT 6331 MT= 63 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 807.7 %



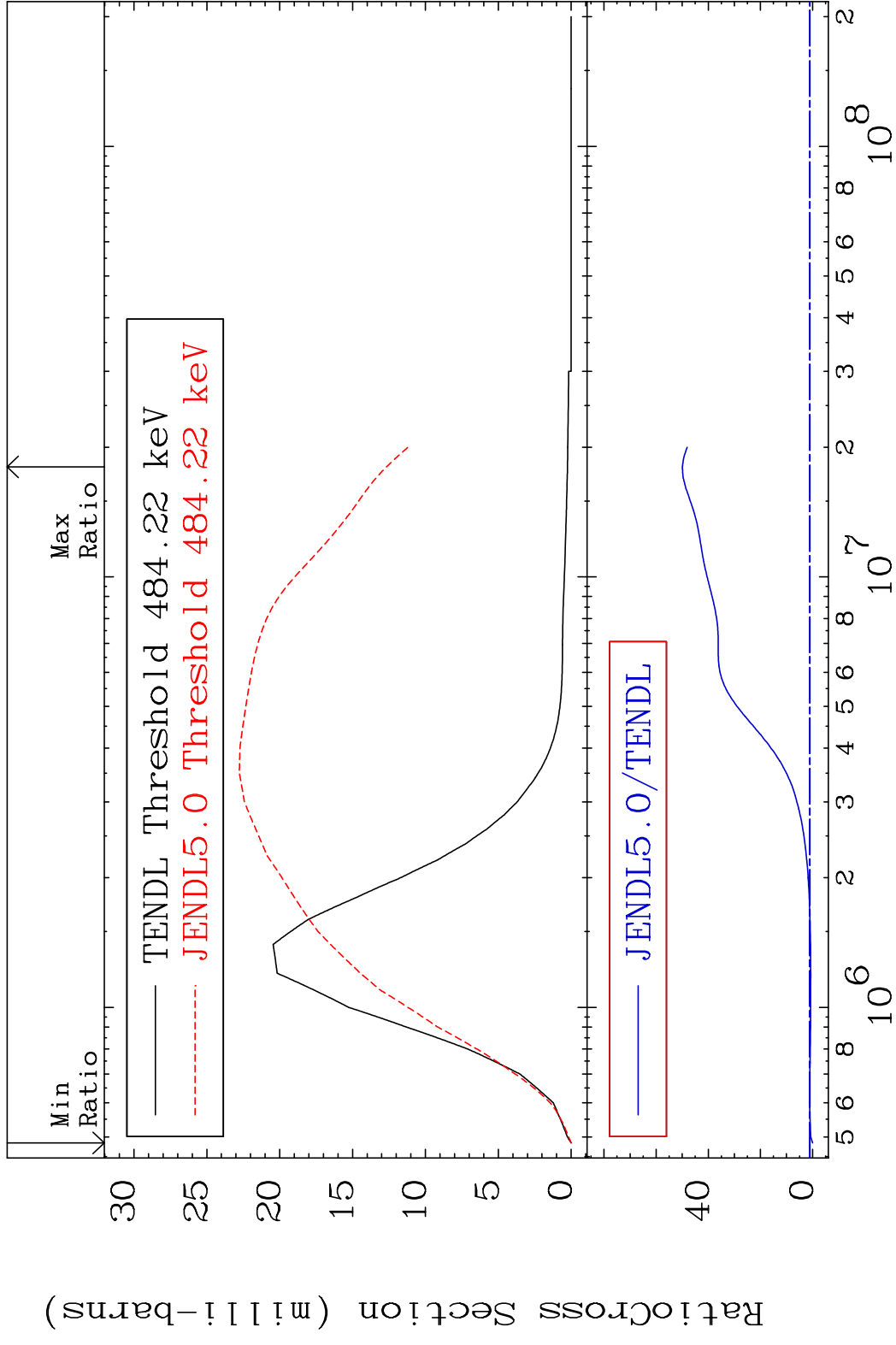
MAT 6331 MT= 64 (n,n') Level 63-Eu-153  
 Cross Section -100.0 To 83.81 %



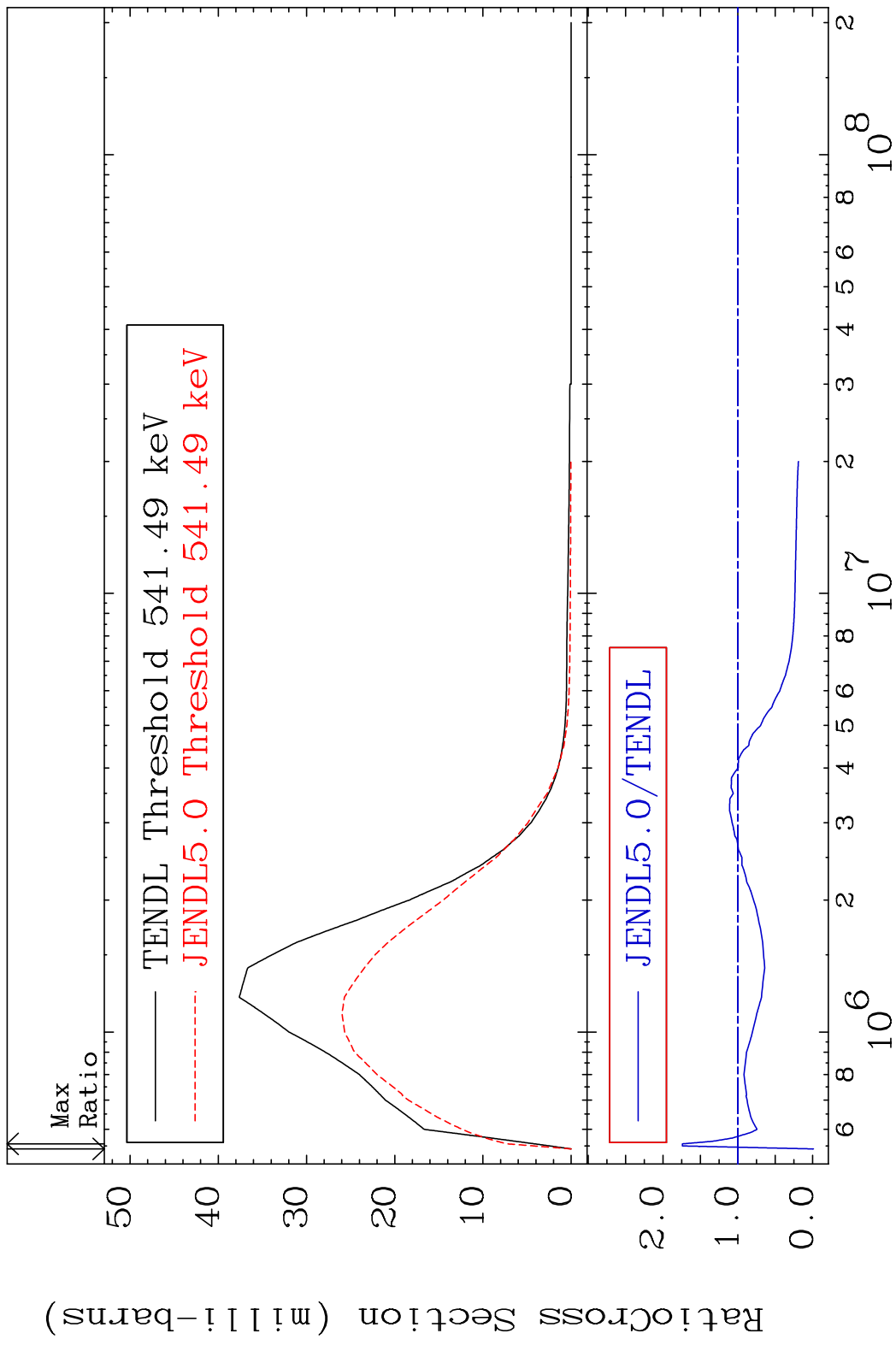
MAT 6331 MT= 65 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 70.64 %



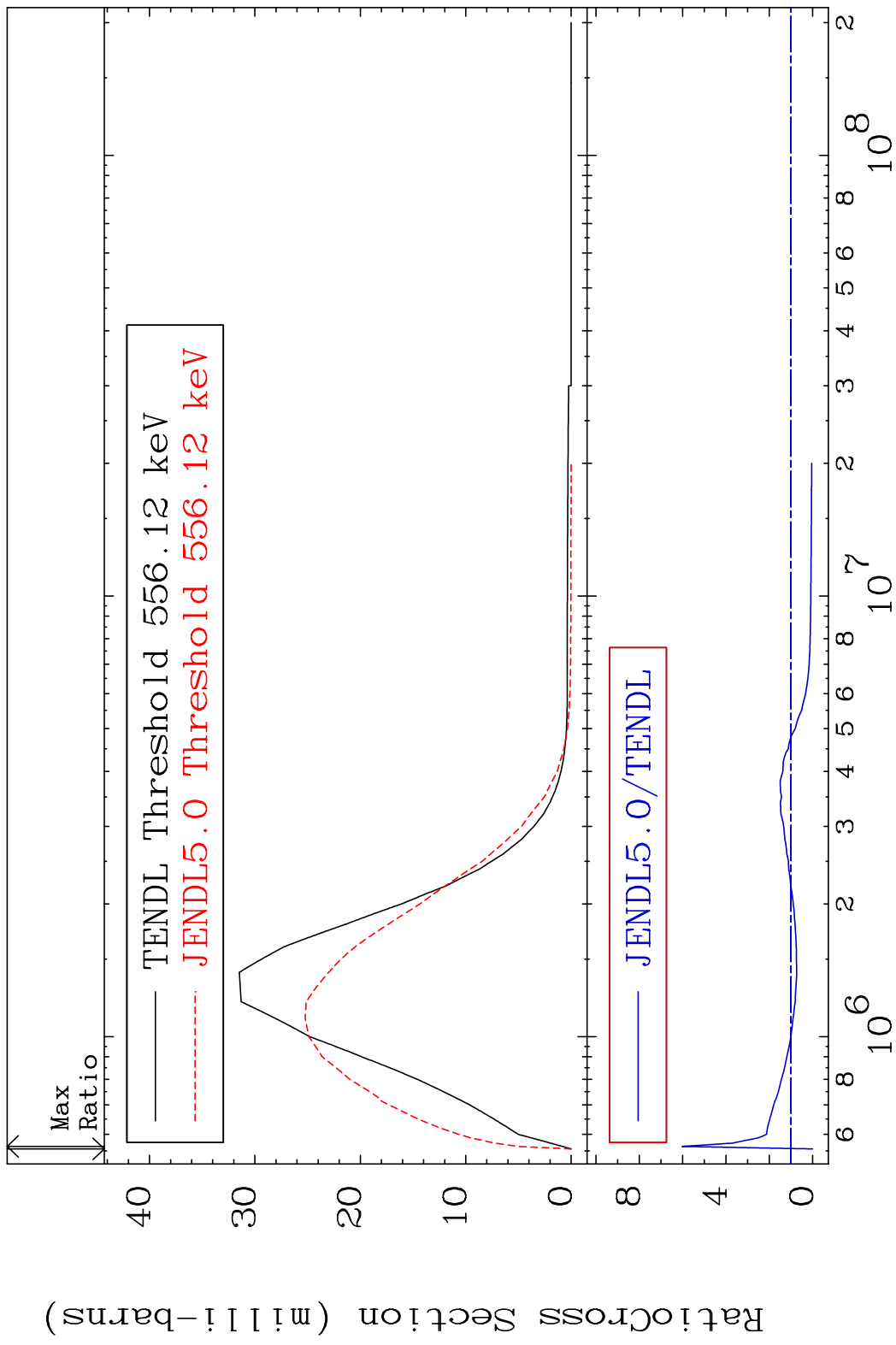
MAT 6331 MT= 66 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 4895. %



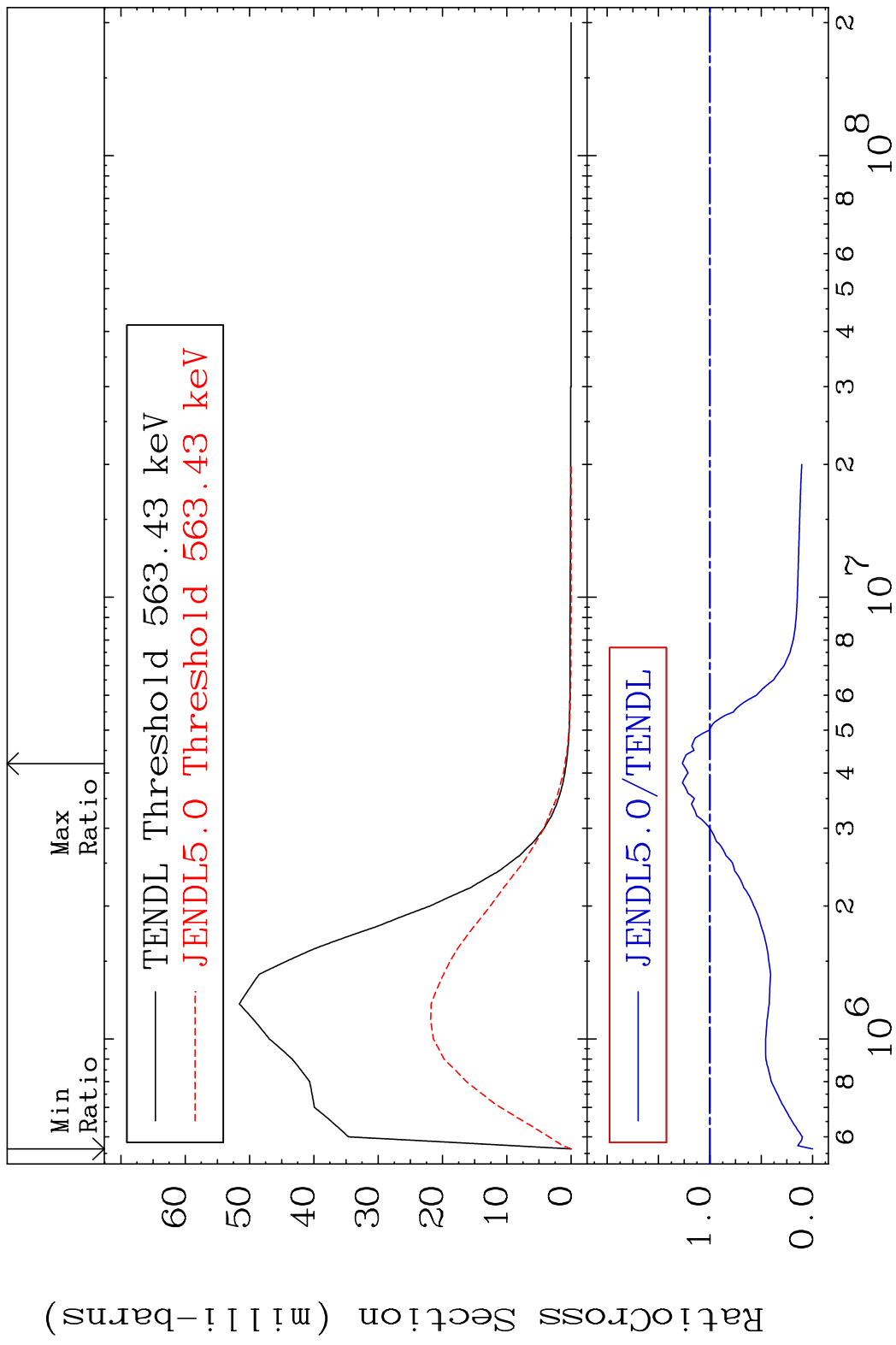
MAT 6331 MT= 67 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 74.03 %



MAT 6331 MT= 68 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 501.2 %

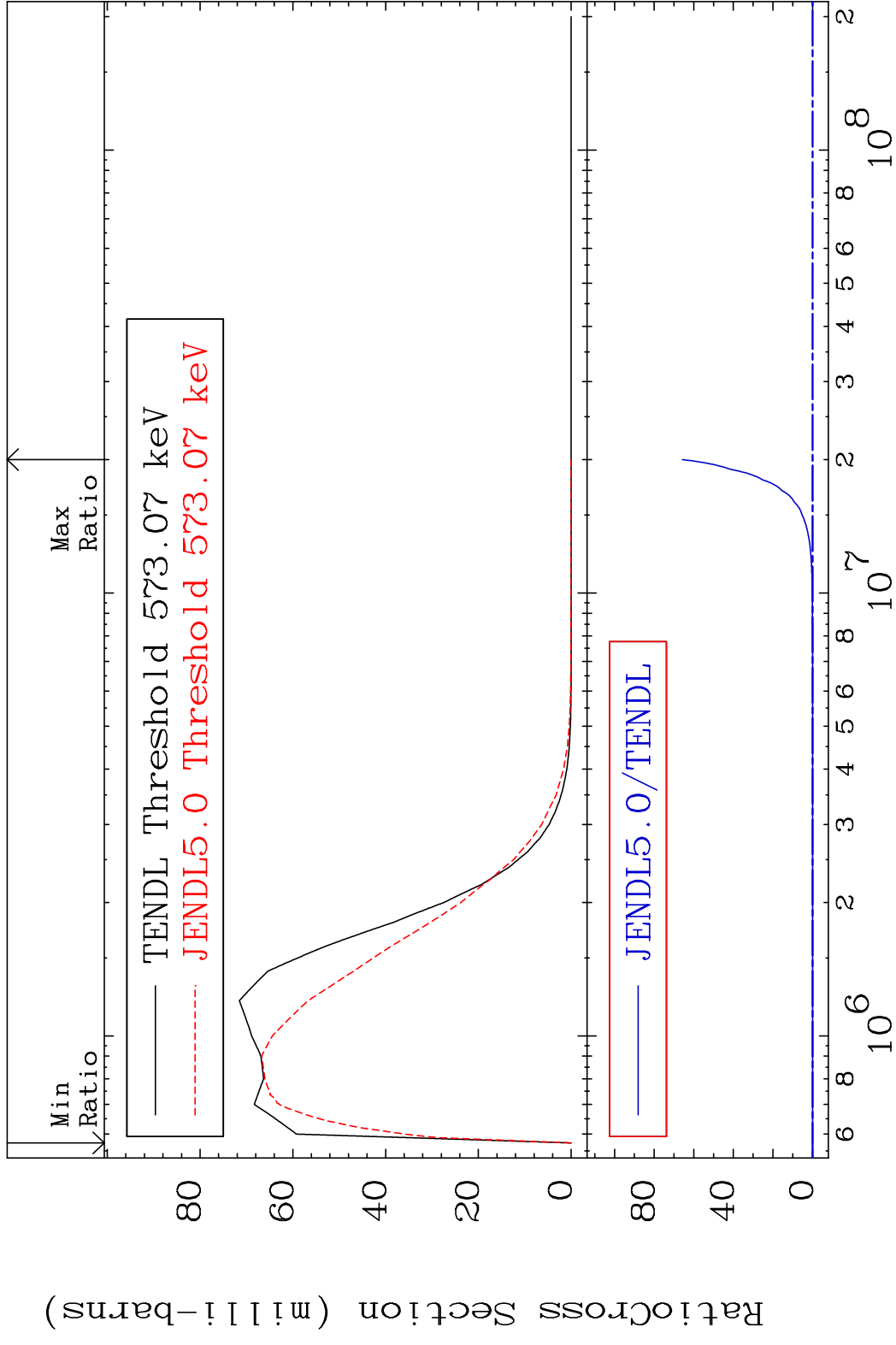


MAT 6331 MT= 69 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 26.80 %

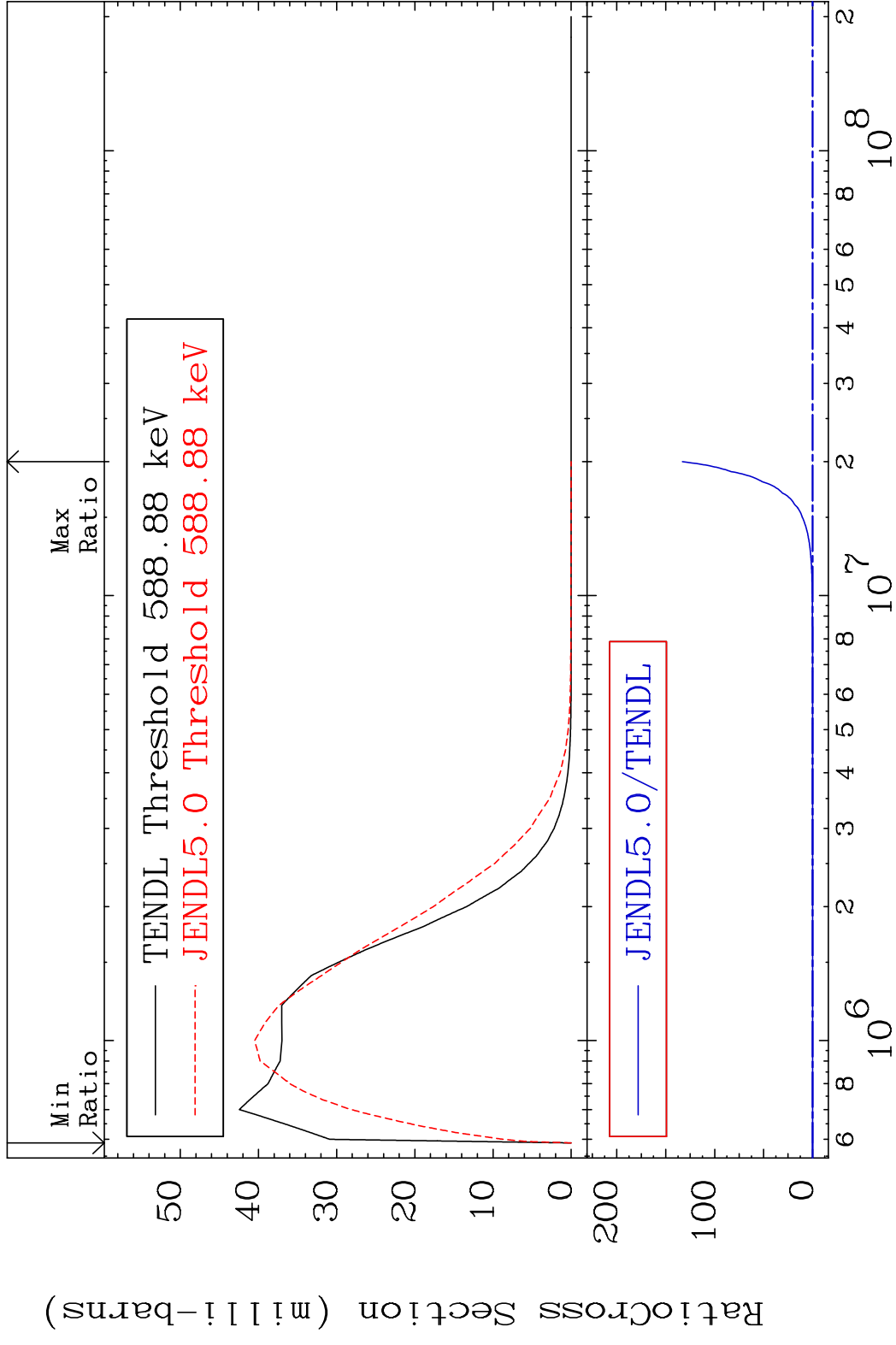


30 Incident Energy (eV) 63-Eu-153

MAT 6331 MT= 70 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %

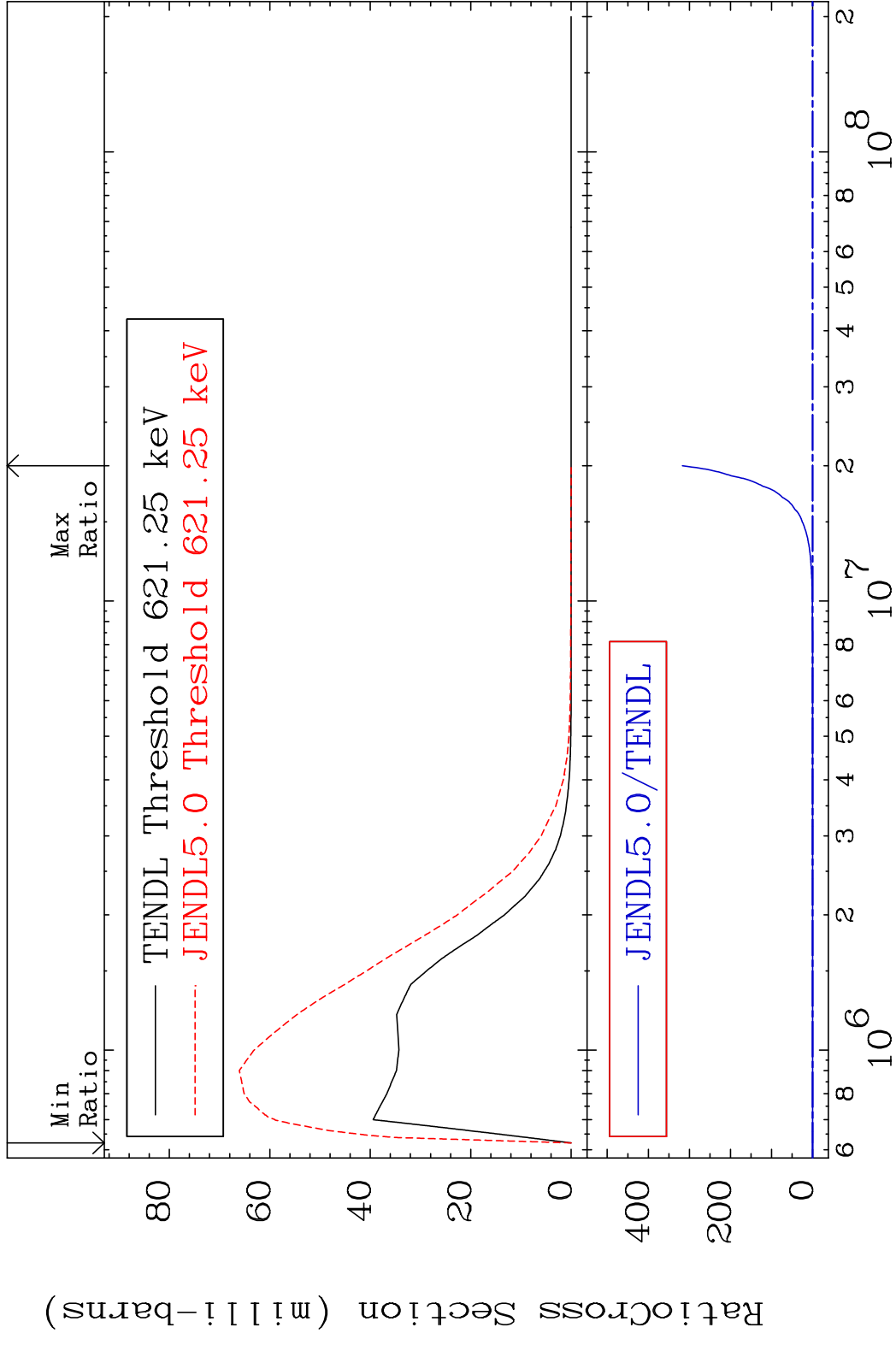


MAT 6331 MT= 71 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %

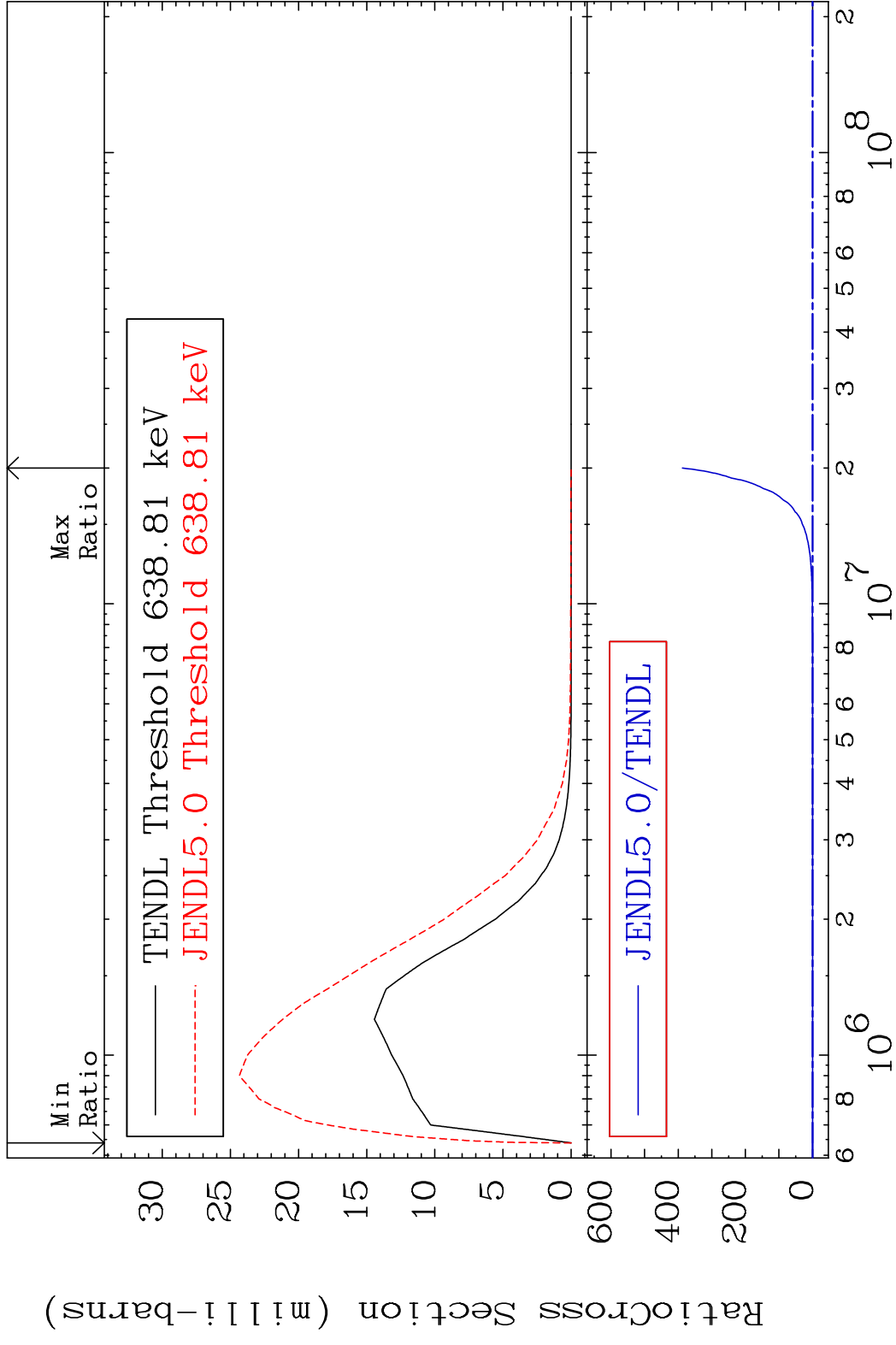




MAT 6331 MT= 73 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %

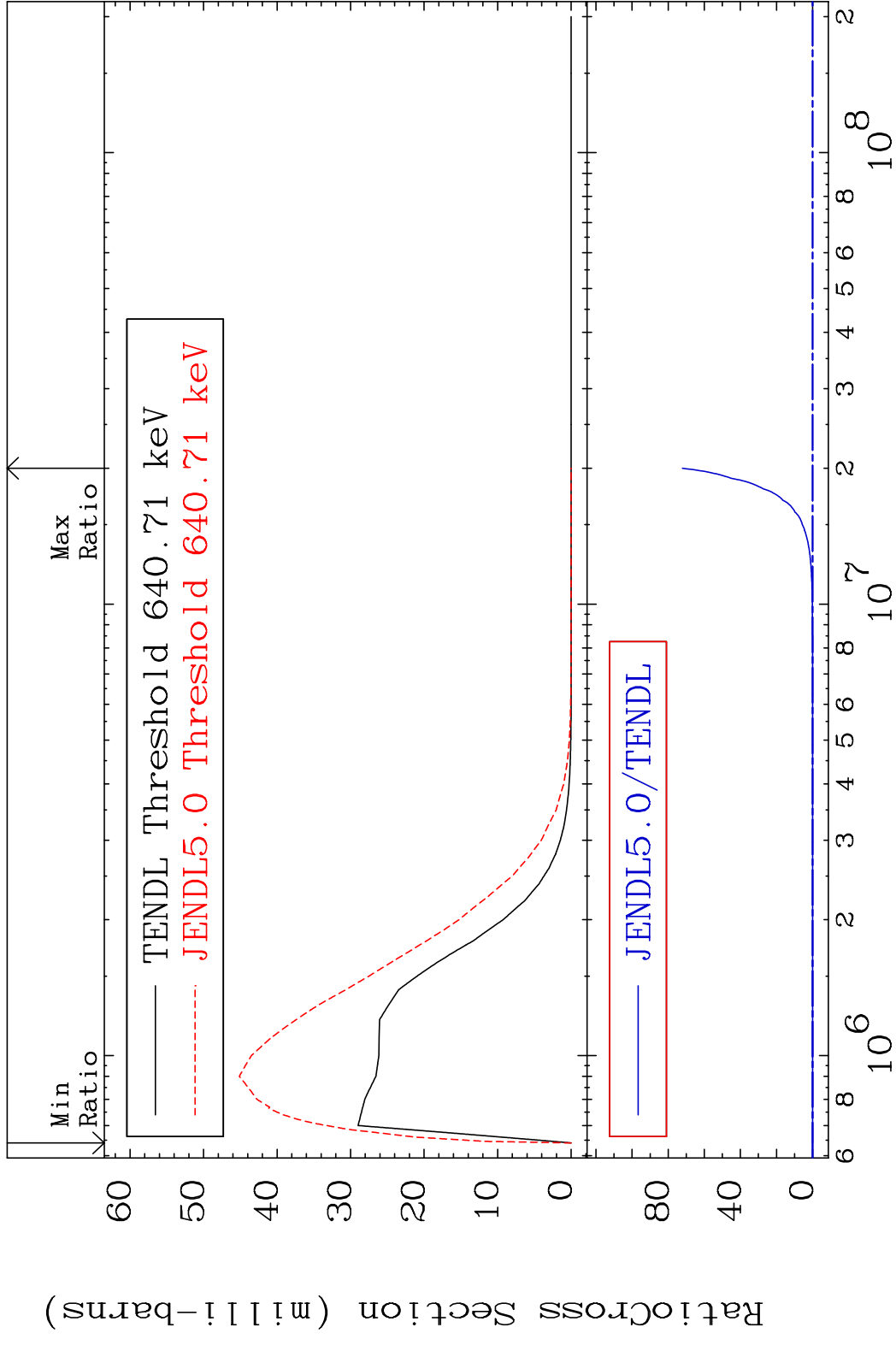


MAT 6331 MT= 74 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %

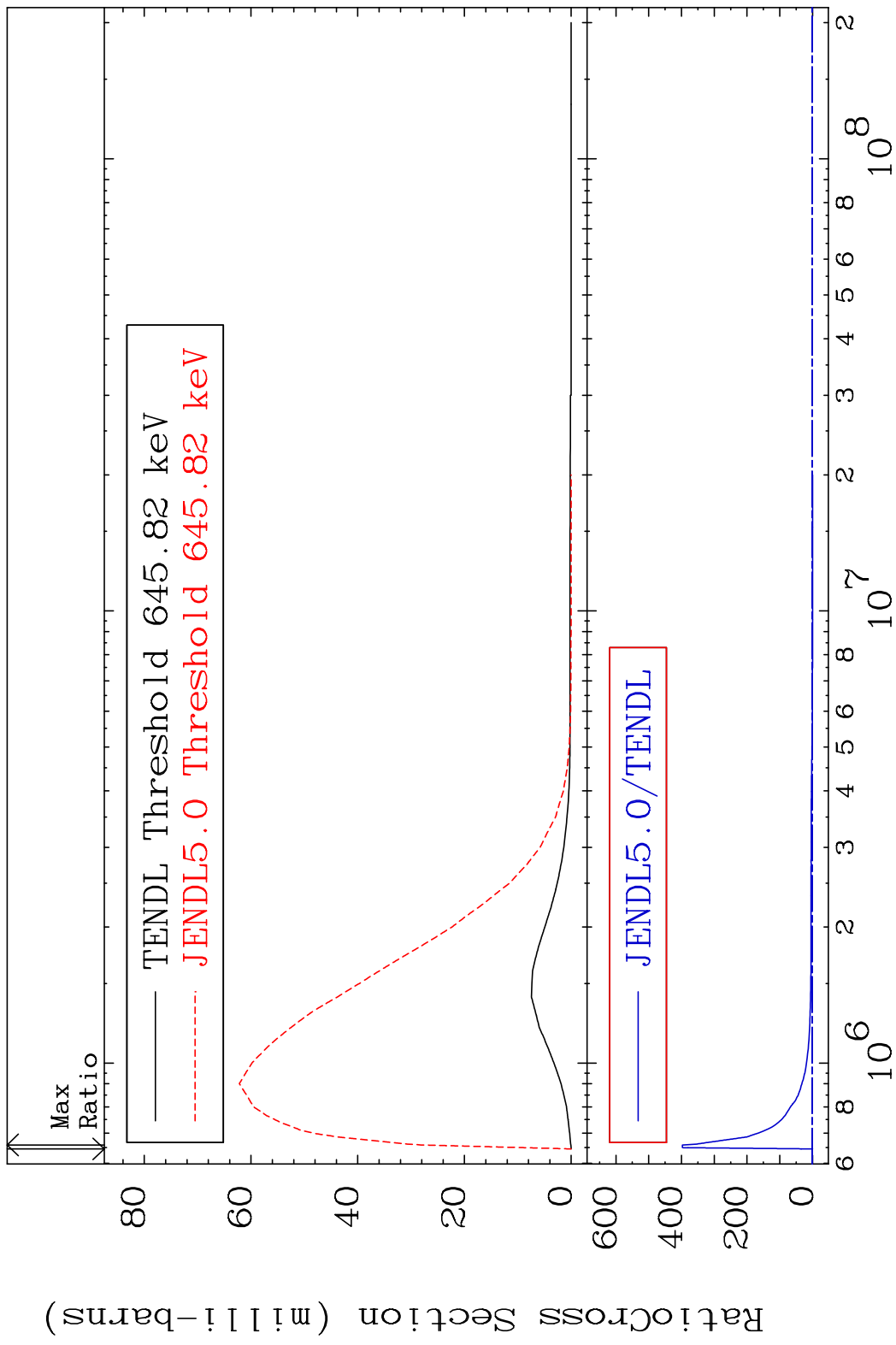


35 Incident Energy (eV) 63-Eu-153

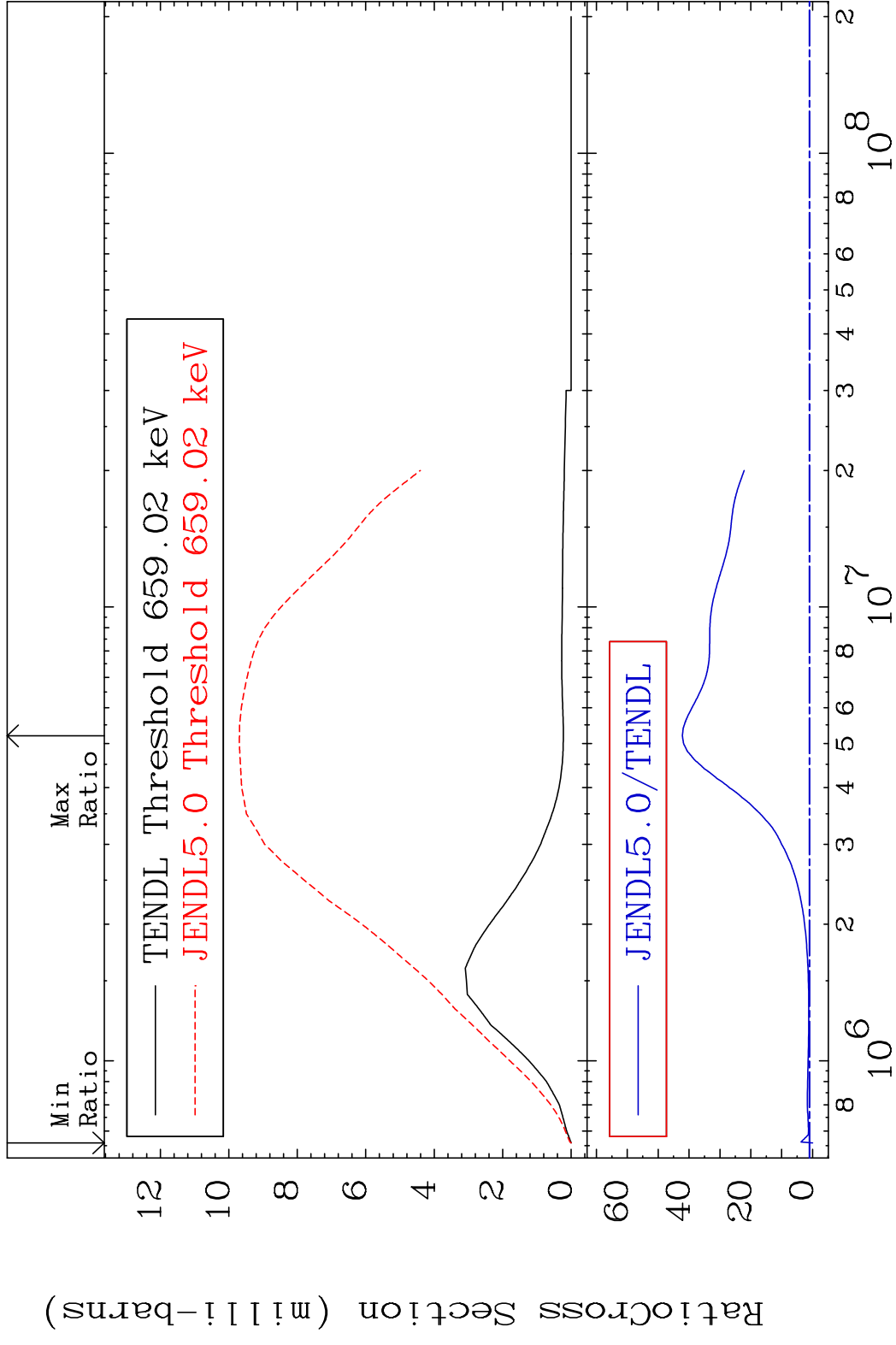
MAT 6331 MT= 75 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



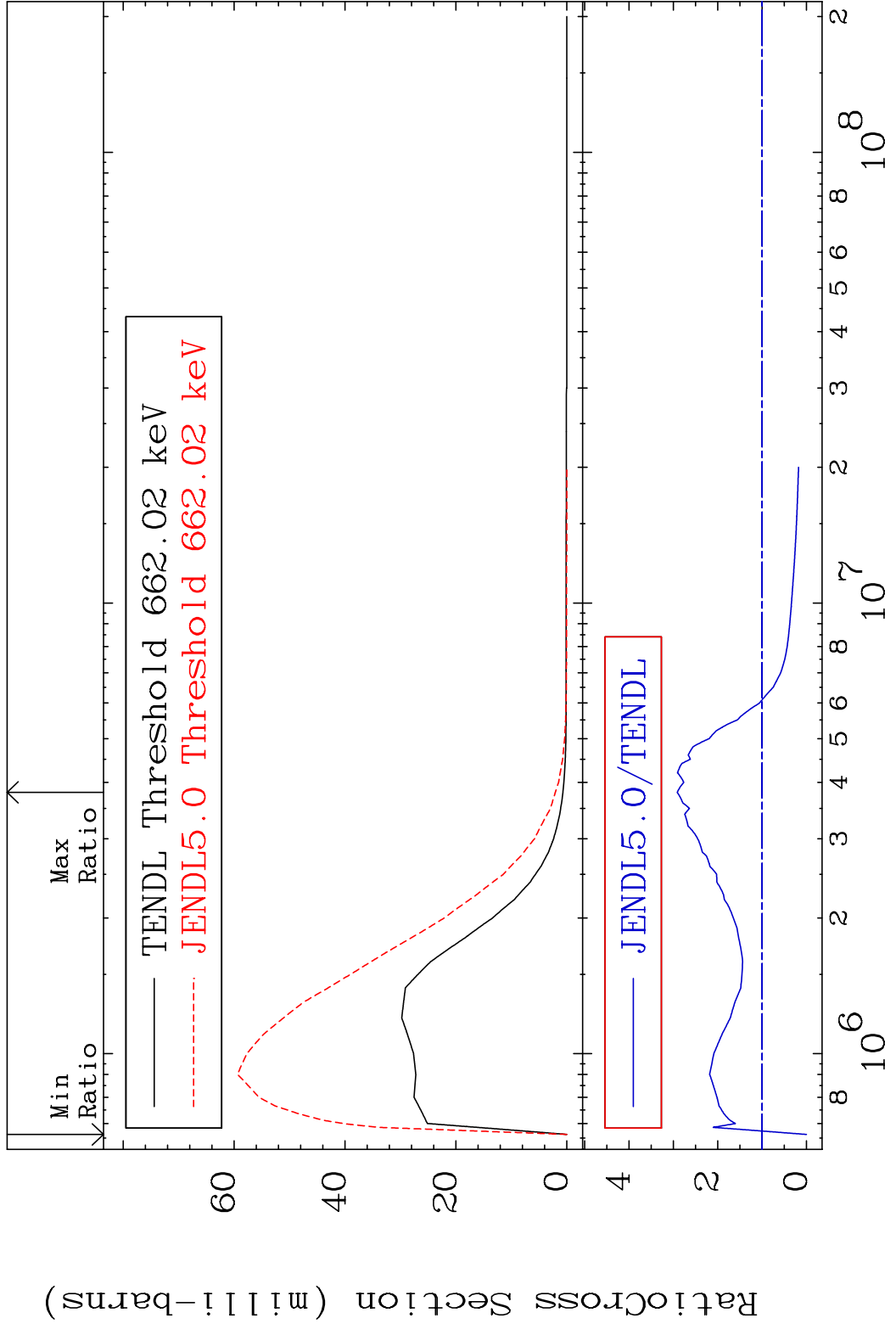
MAT 6331 MT= 76 (n,n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



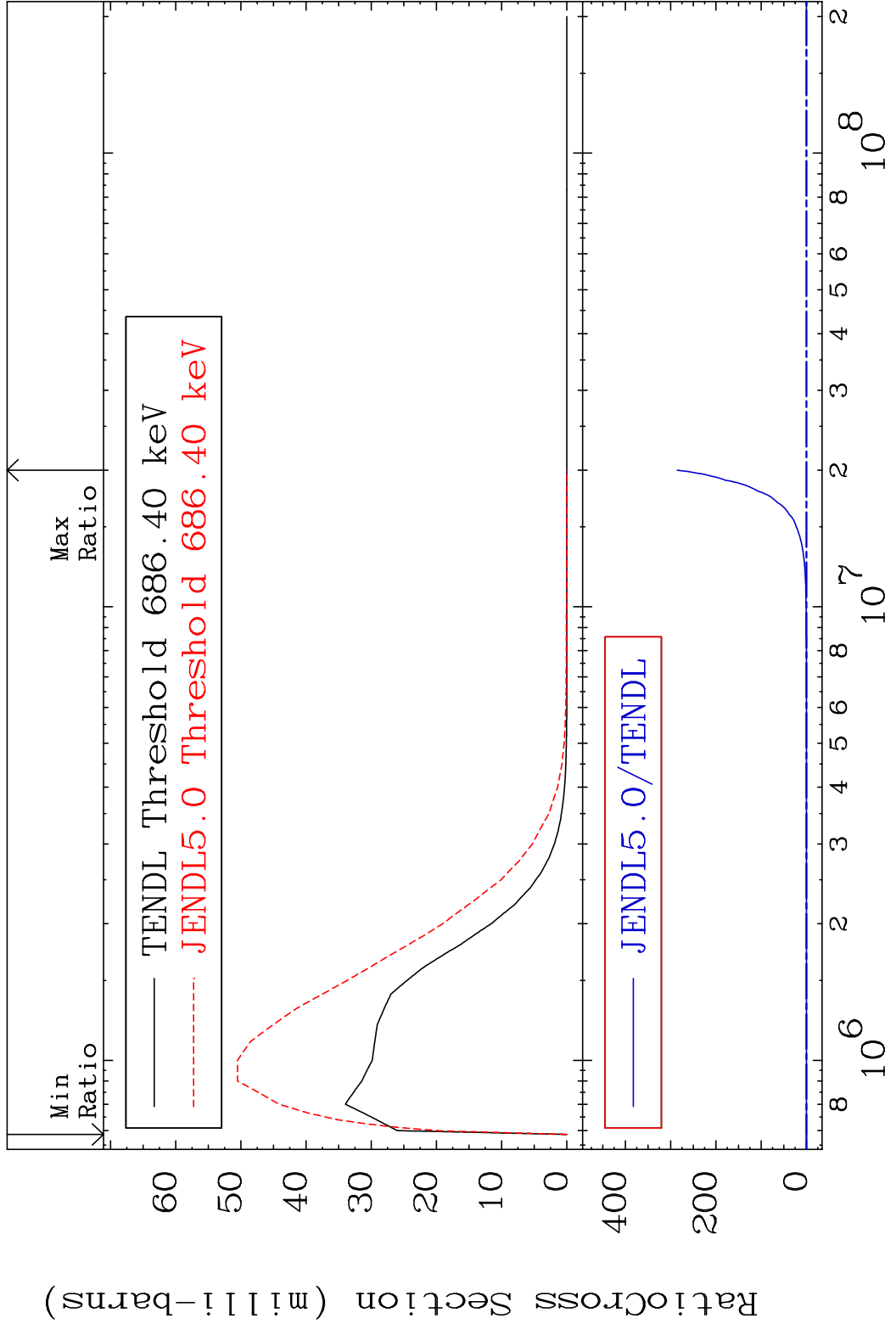
MAT 6331 MT= 77 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 4116. %



MAT 6331 MT= 78 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 191.4 %

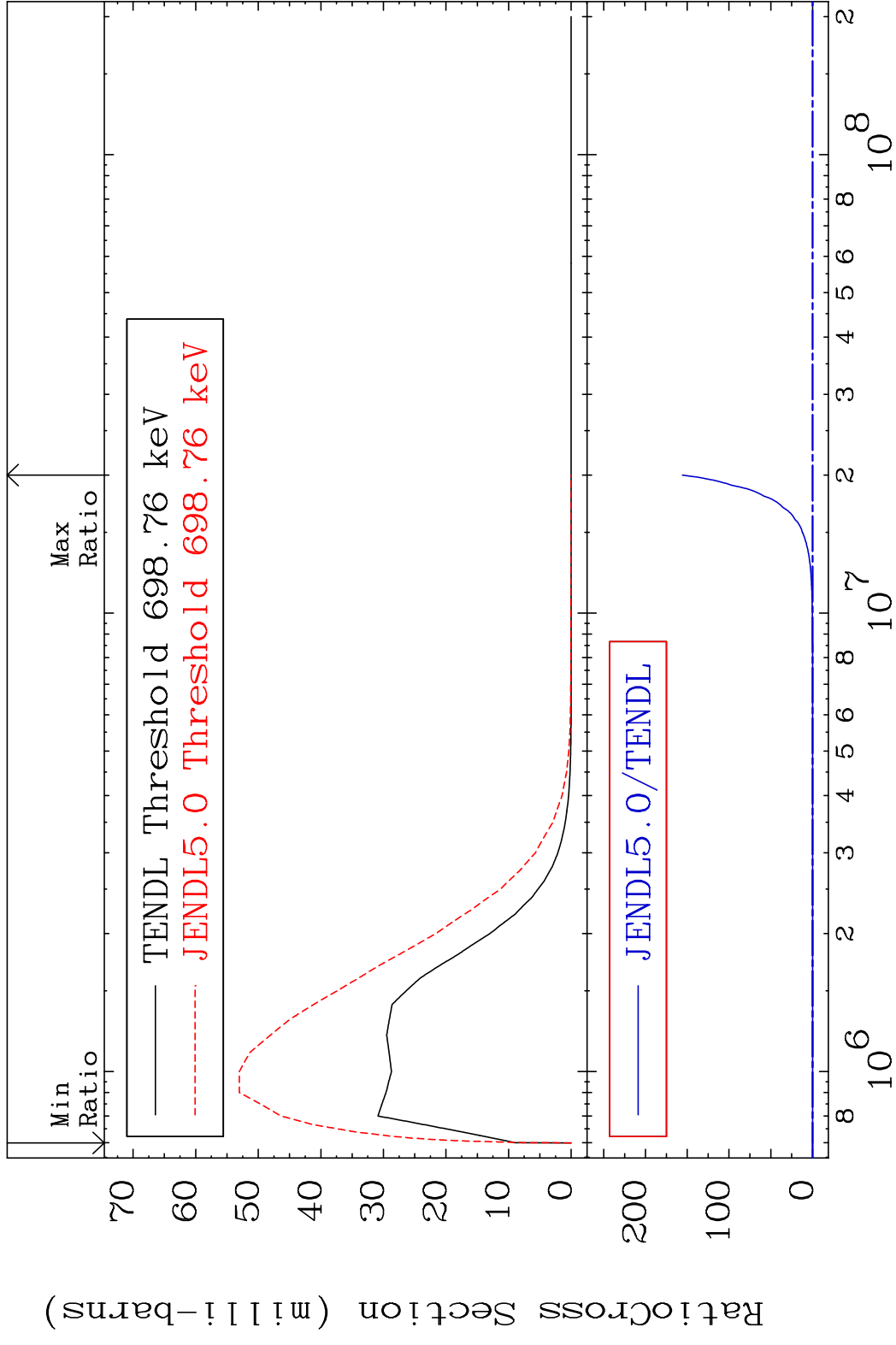


MAT 6331 MT= 79 (n, n') Level 63-Eu-153  
 Cross Section -100.0 To 9999. %



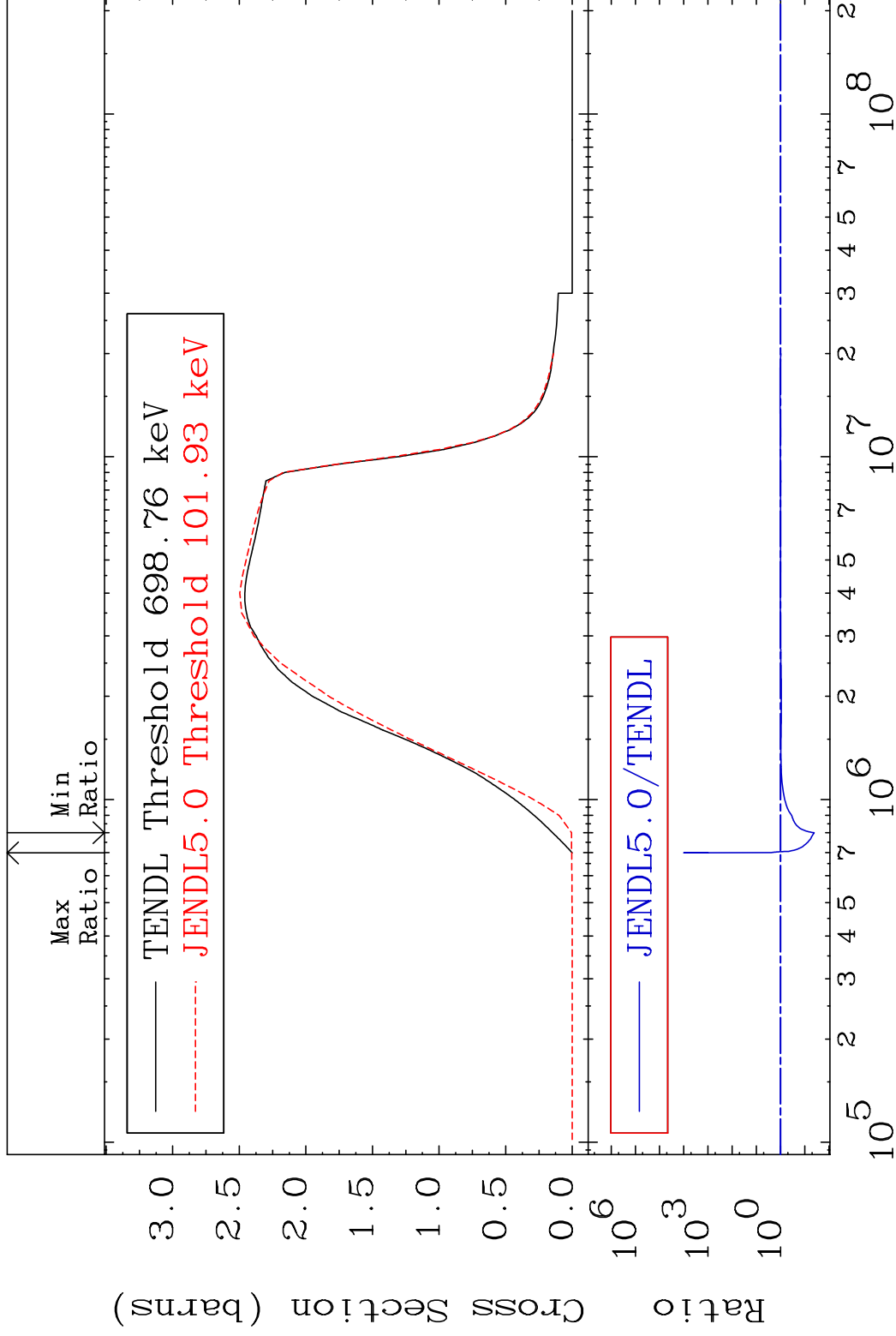
40 Incident Energy (eV) 63-Eu-153

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



MAT 6331

(n, n') Continuum 63-Eu-153  
Cross Section -95.88 To 9999. %



42

Incident Energy (eV)

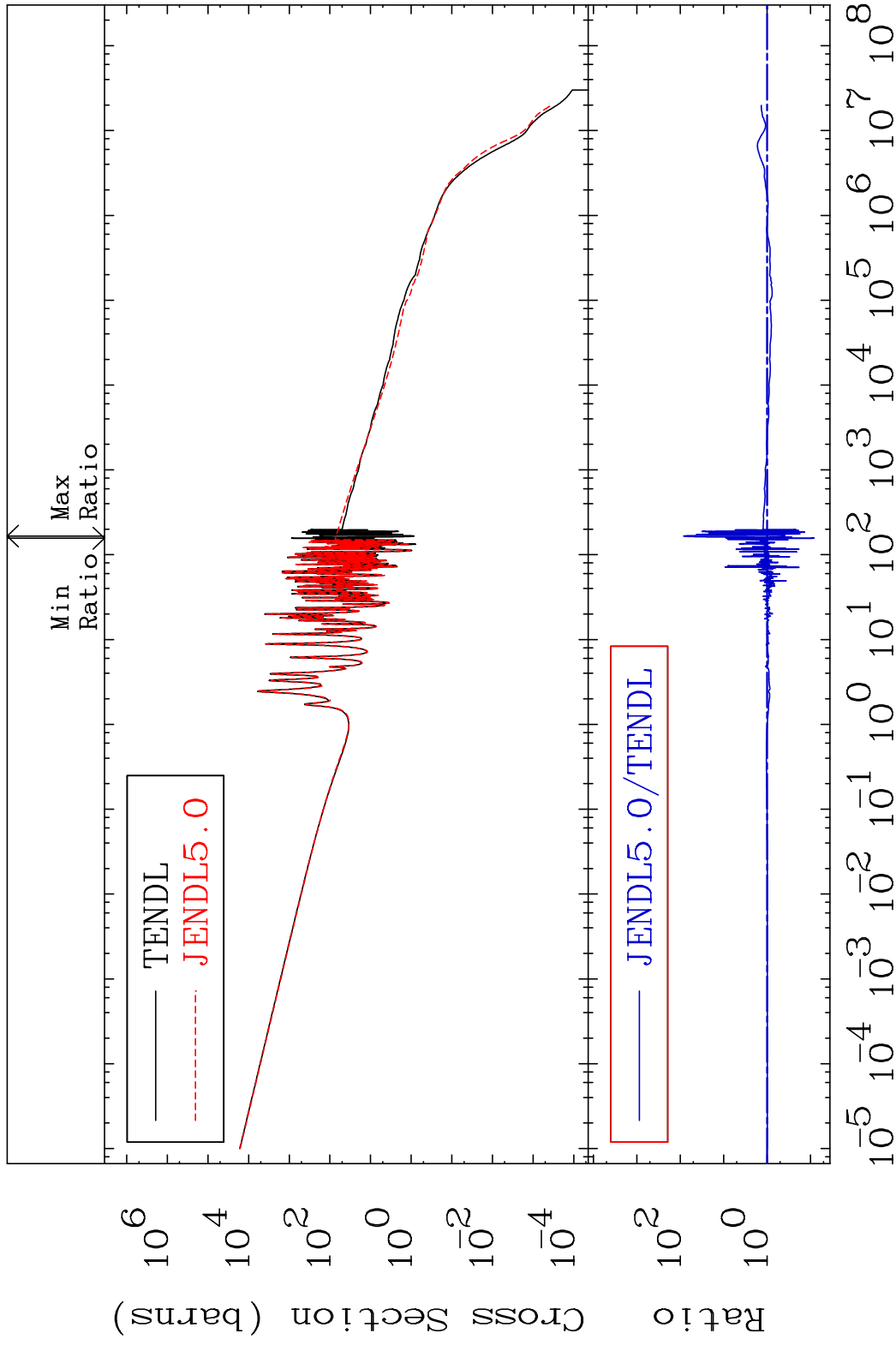
63-Eu-153

MAT 6331

(n,  $\gamma$ )

63-Eu-153

Cross Section -91.75 To 8257. %



43

Incident Energy (eV)

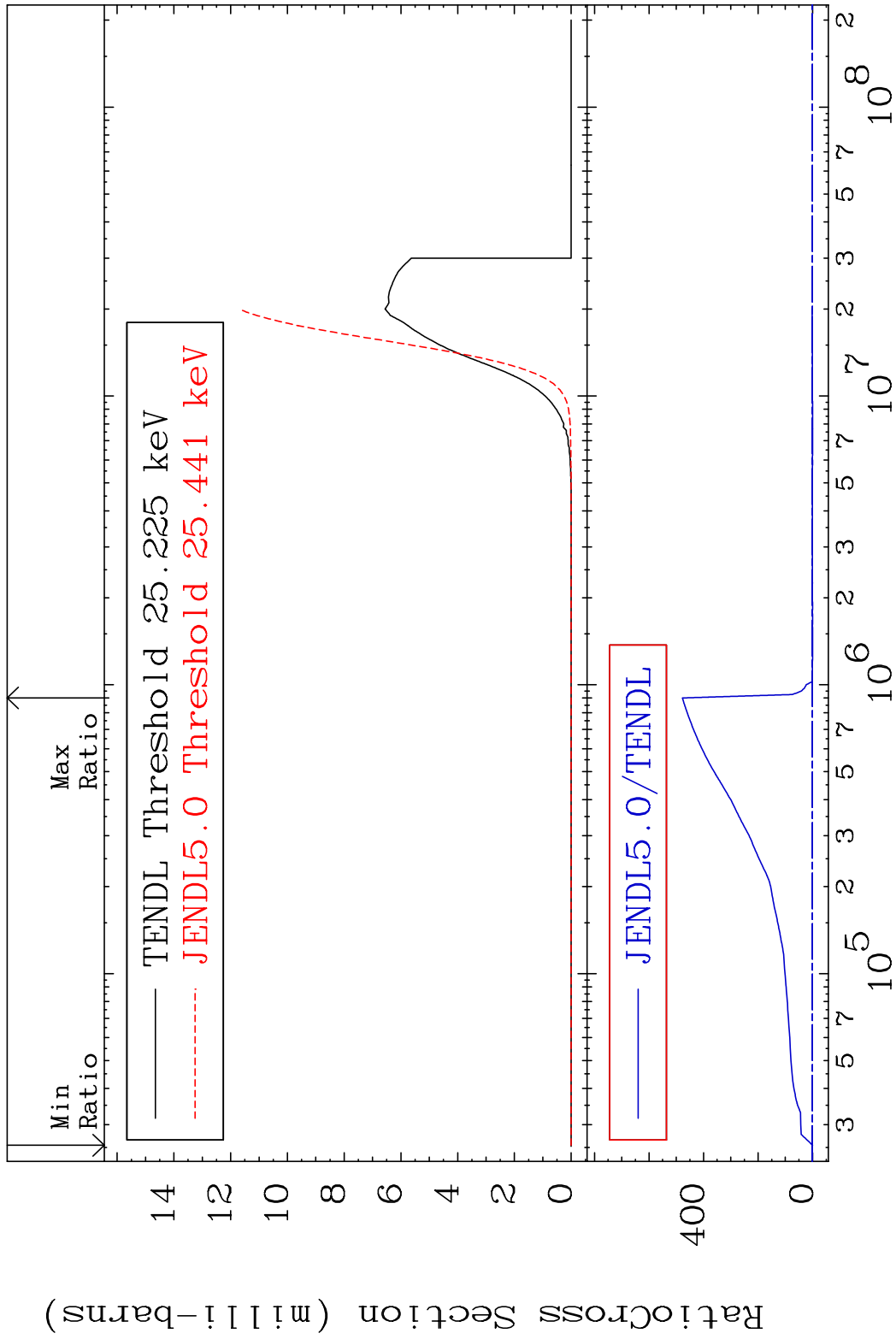
63-Eu-153

MAT 6331

(n, p)

63-Eu-153

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

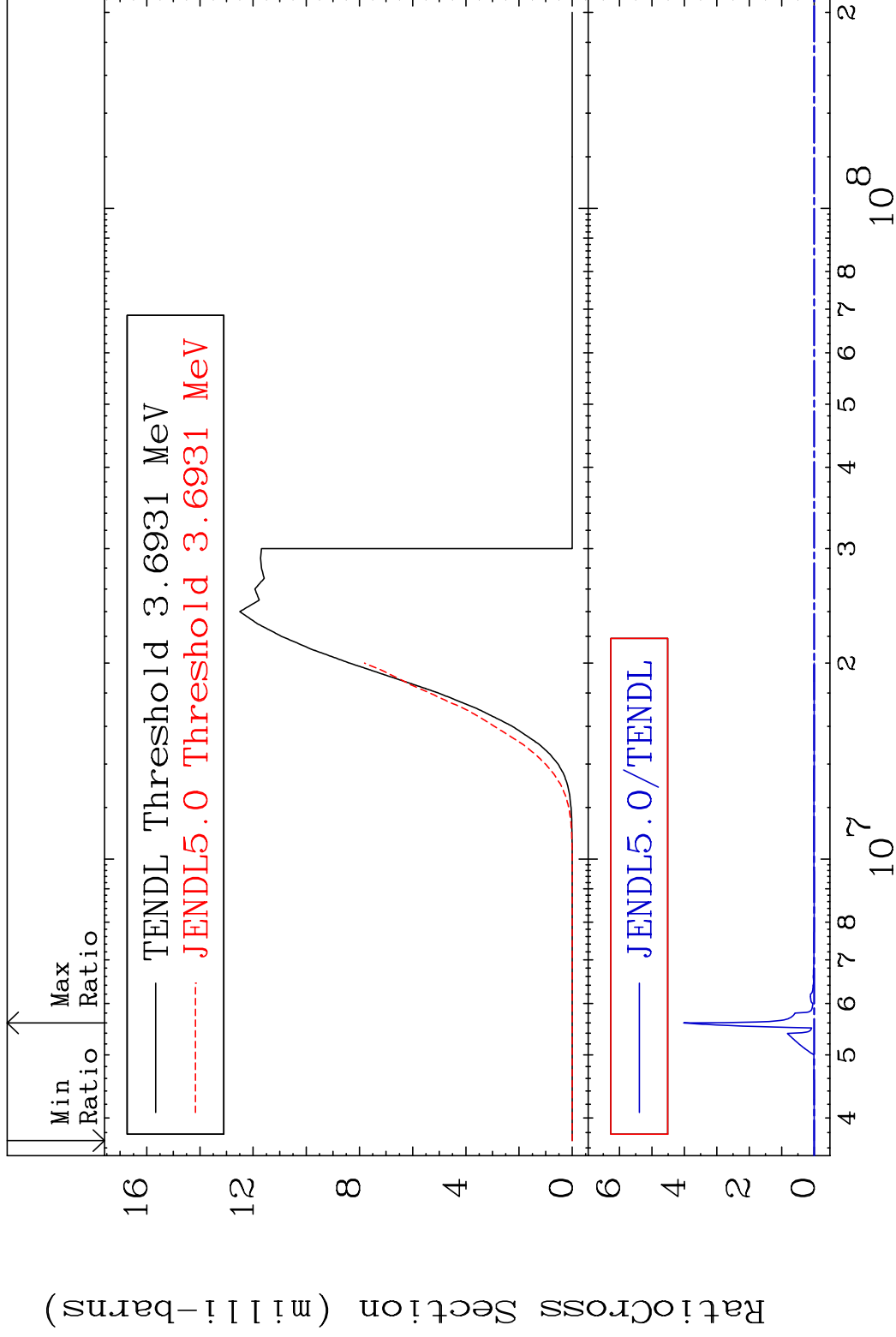
63-Eu-153

MAT 6331

(n,d)

63-Eu-153

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

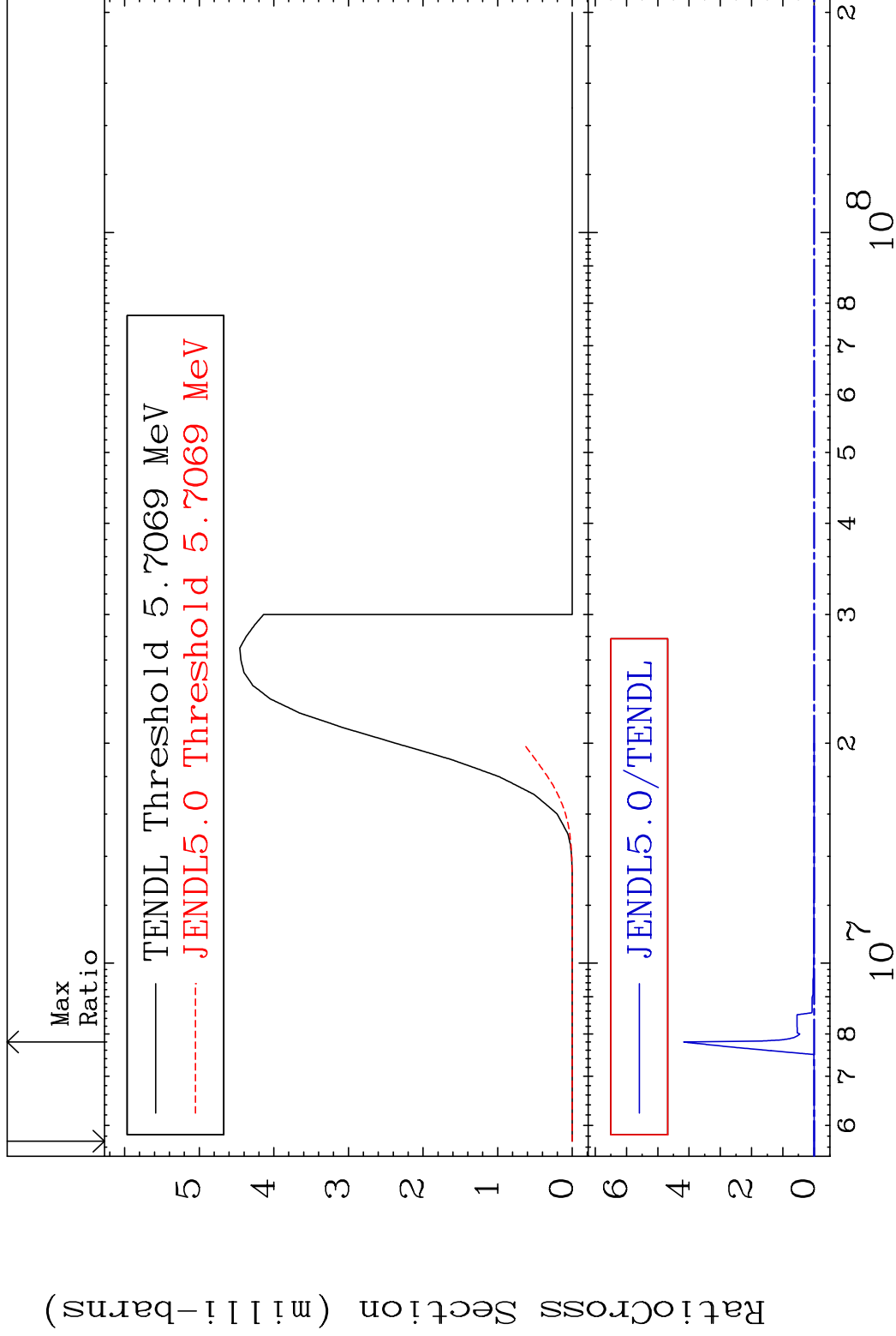
63-Eu-153

MAT 6331

(n, t)

63-Eu-153

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

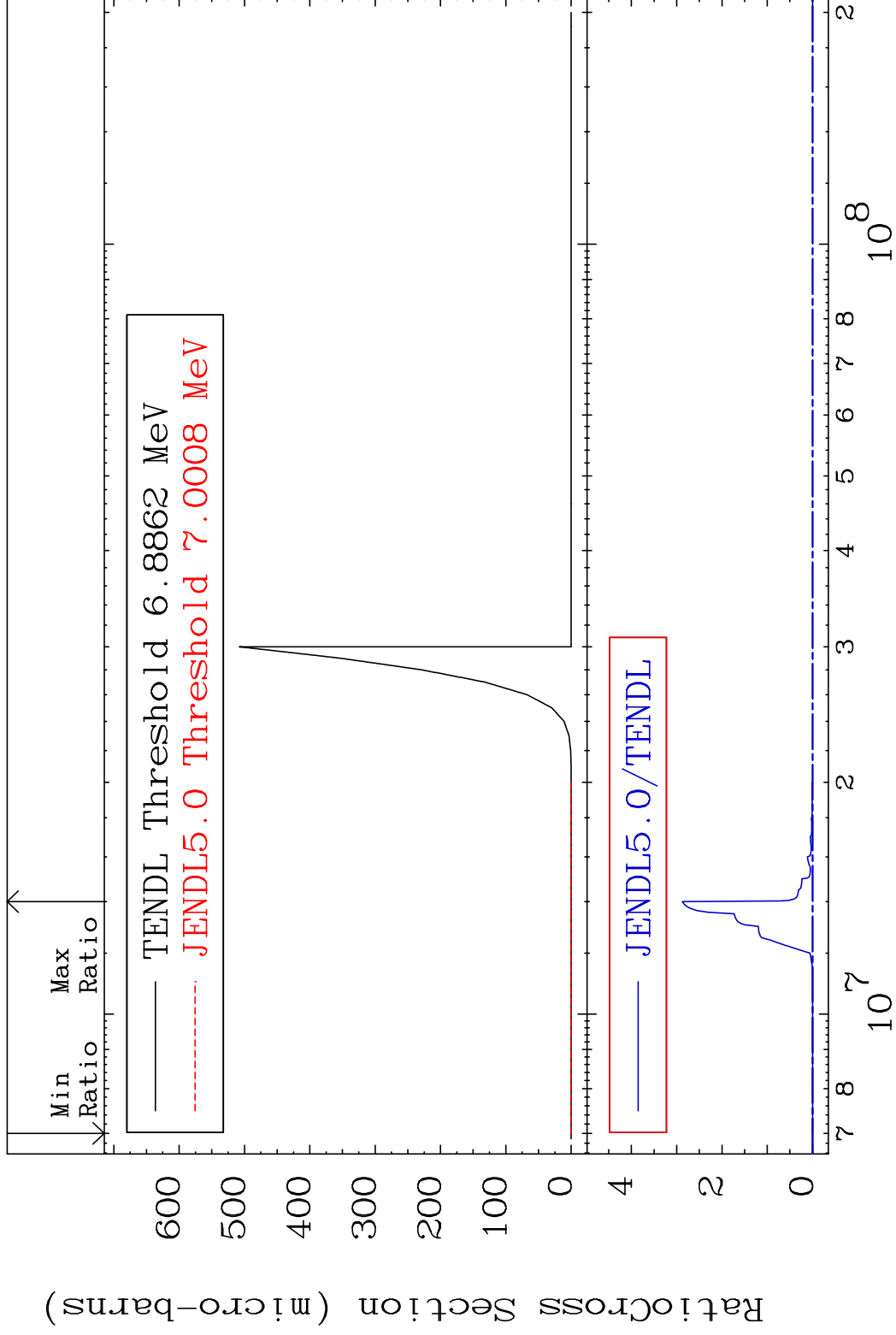
63-Eu-153

MAT 6331

(n, He-3)

63-Eu-153

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

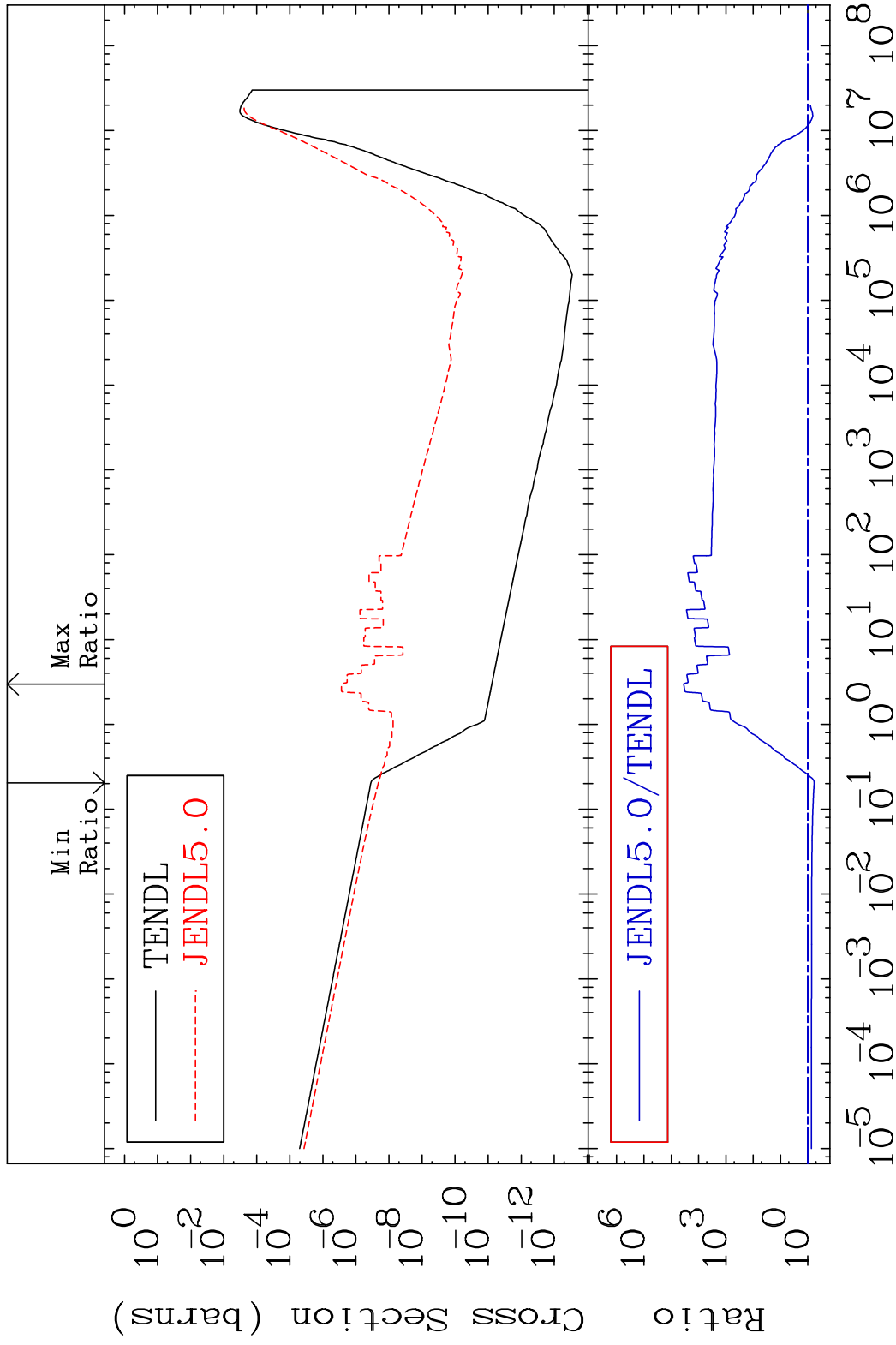
63-Eu-153

MAT 6331

(n,  $\alpha$ )

63-Eu-153

Cross Section -40.94 To 9999. %

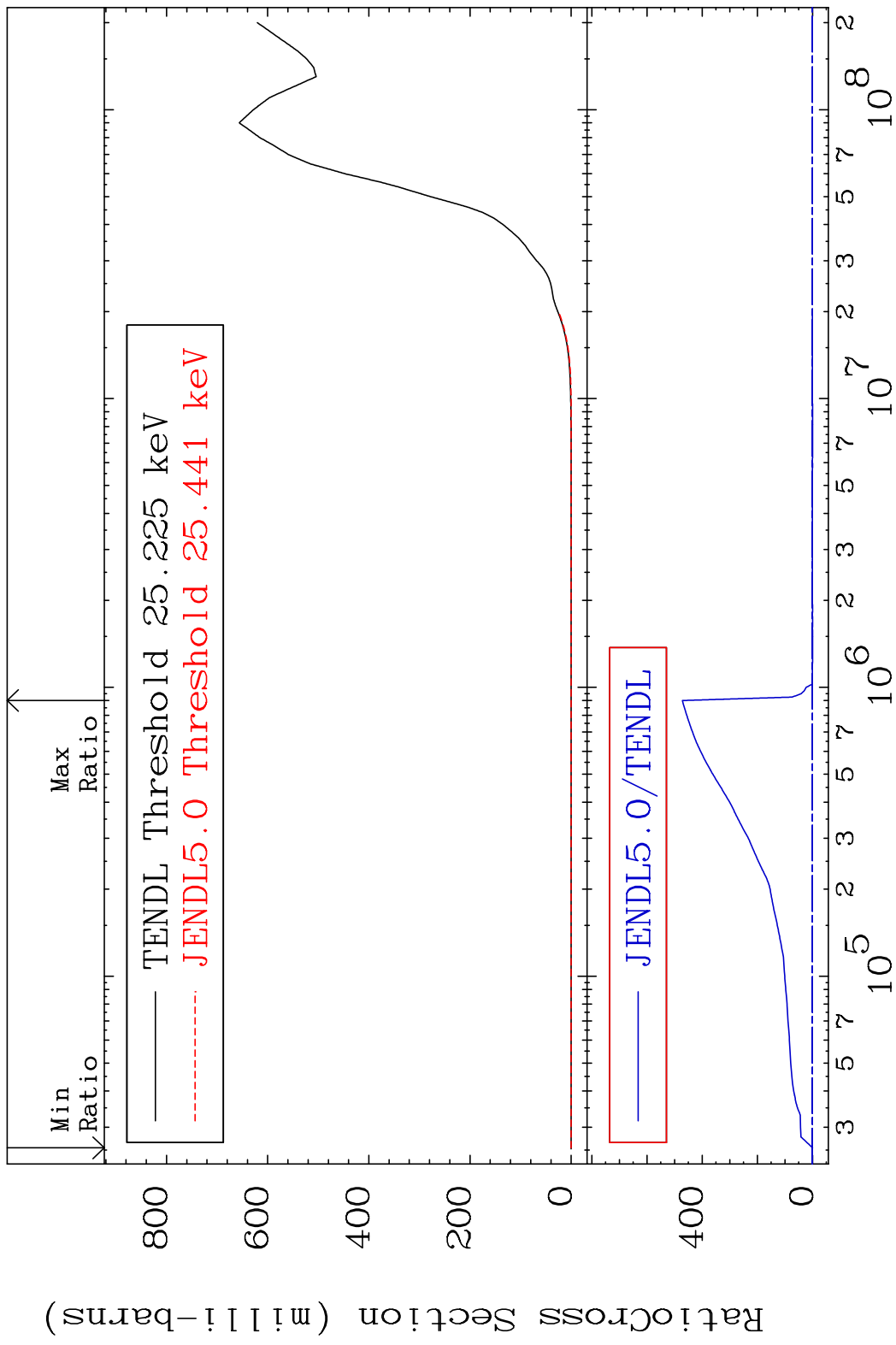


48

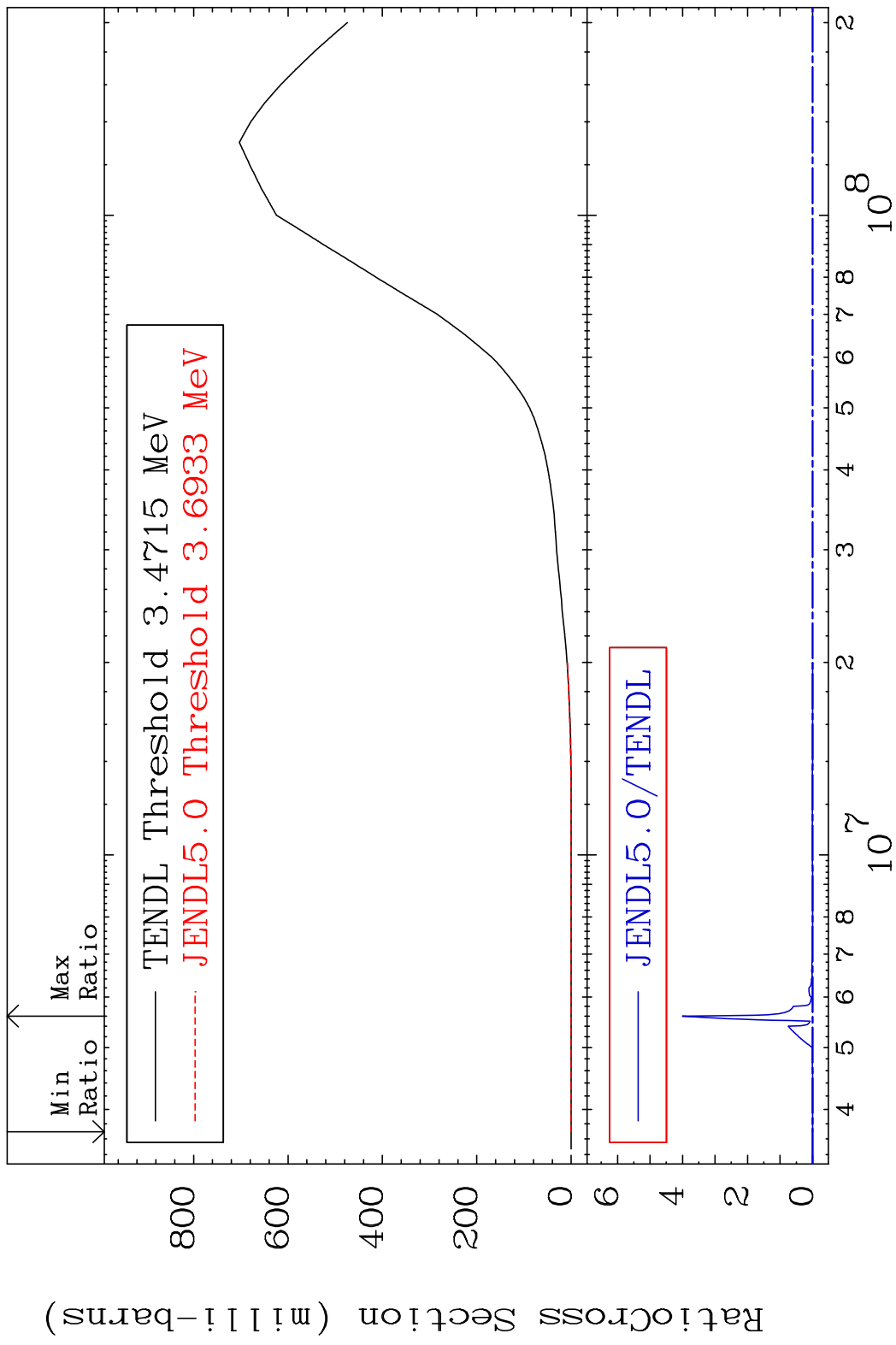
Incident Energy (eV)

63-Eu-153

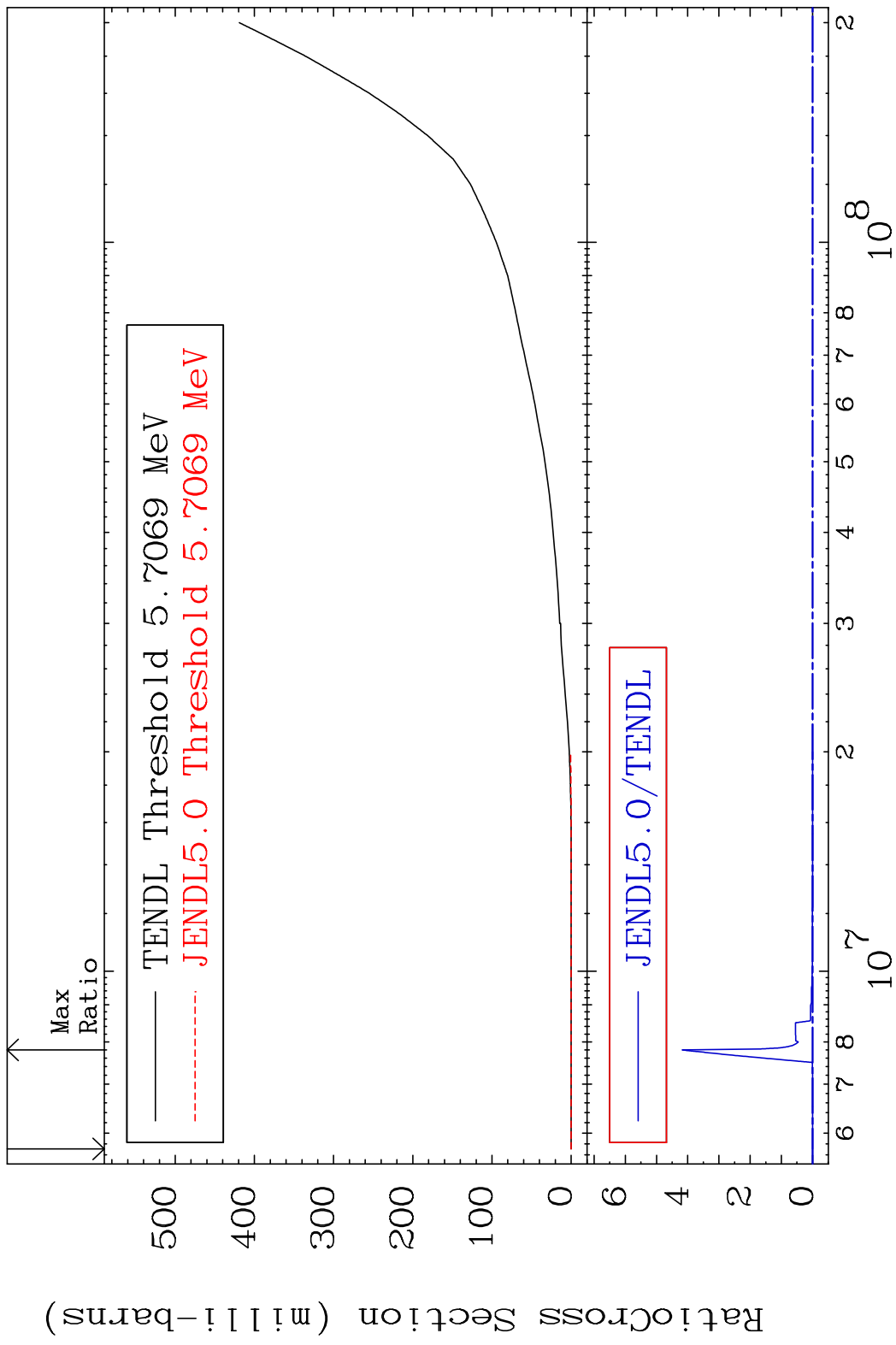
MAT 6331 Hydrogen Production 63-Eu-153  
Cross Section -100.0 To 9999. %



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. %

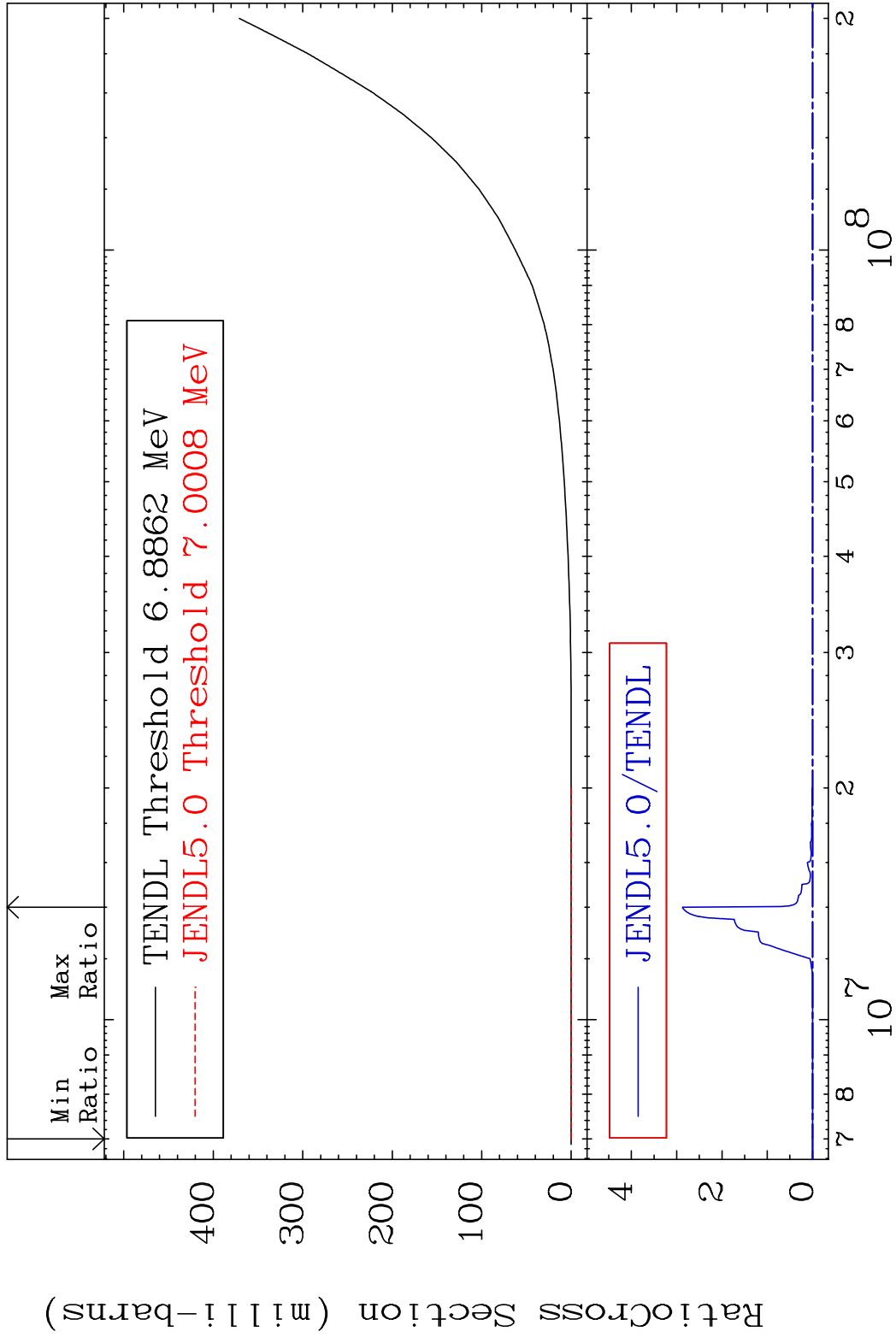


MAT 6331

He-3 Production

63-Eu-153

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

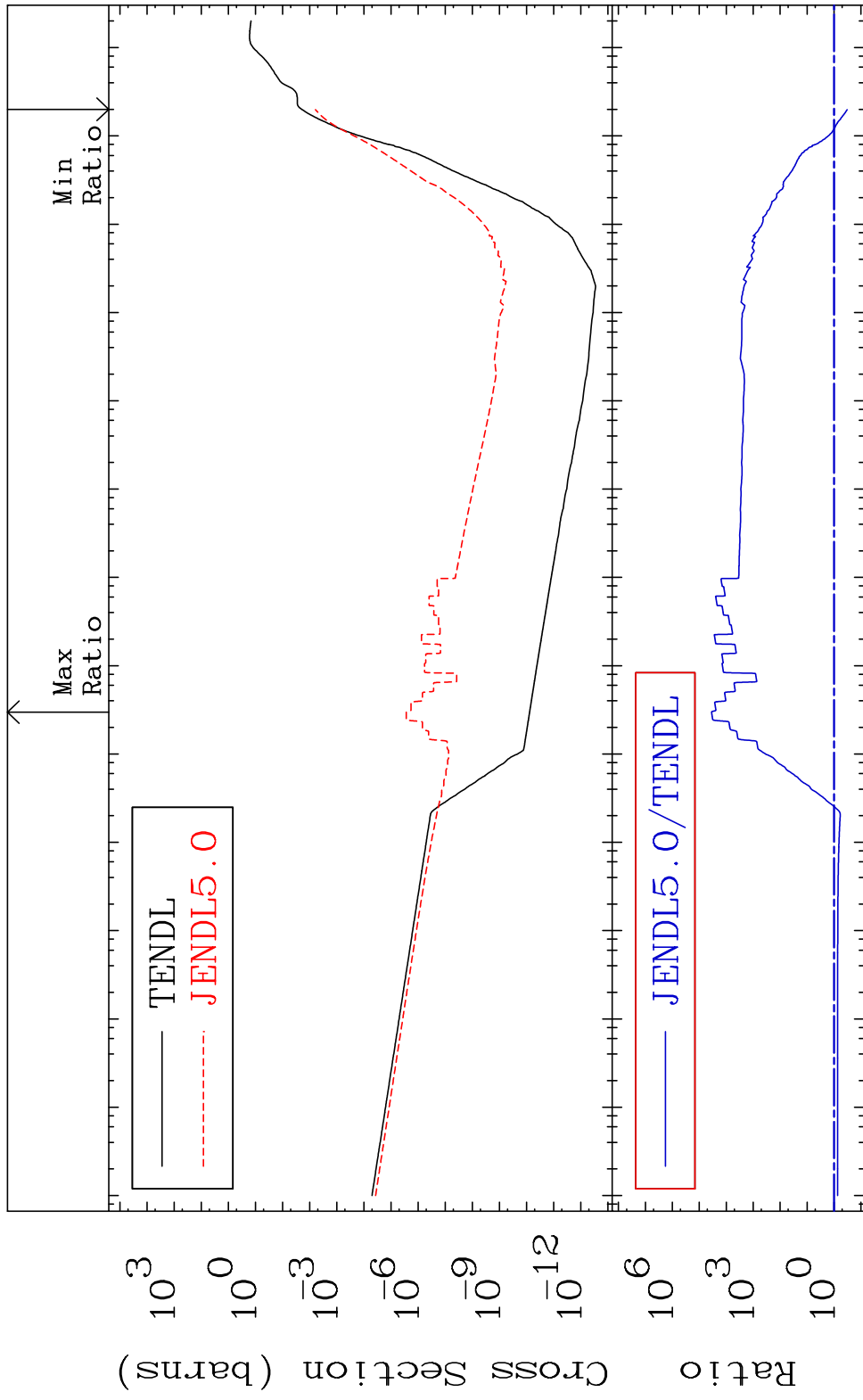
63-Eu-153

MAT 6331

He-4 Production

63-Eu-153

Cross Section -67.90 To 9999. %



Cross Section (barns)

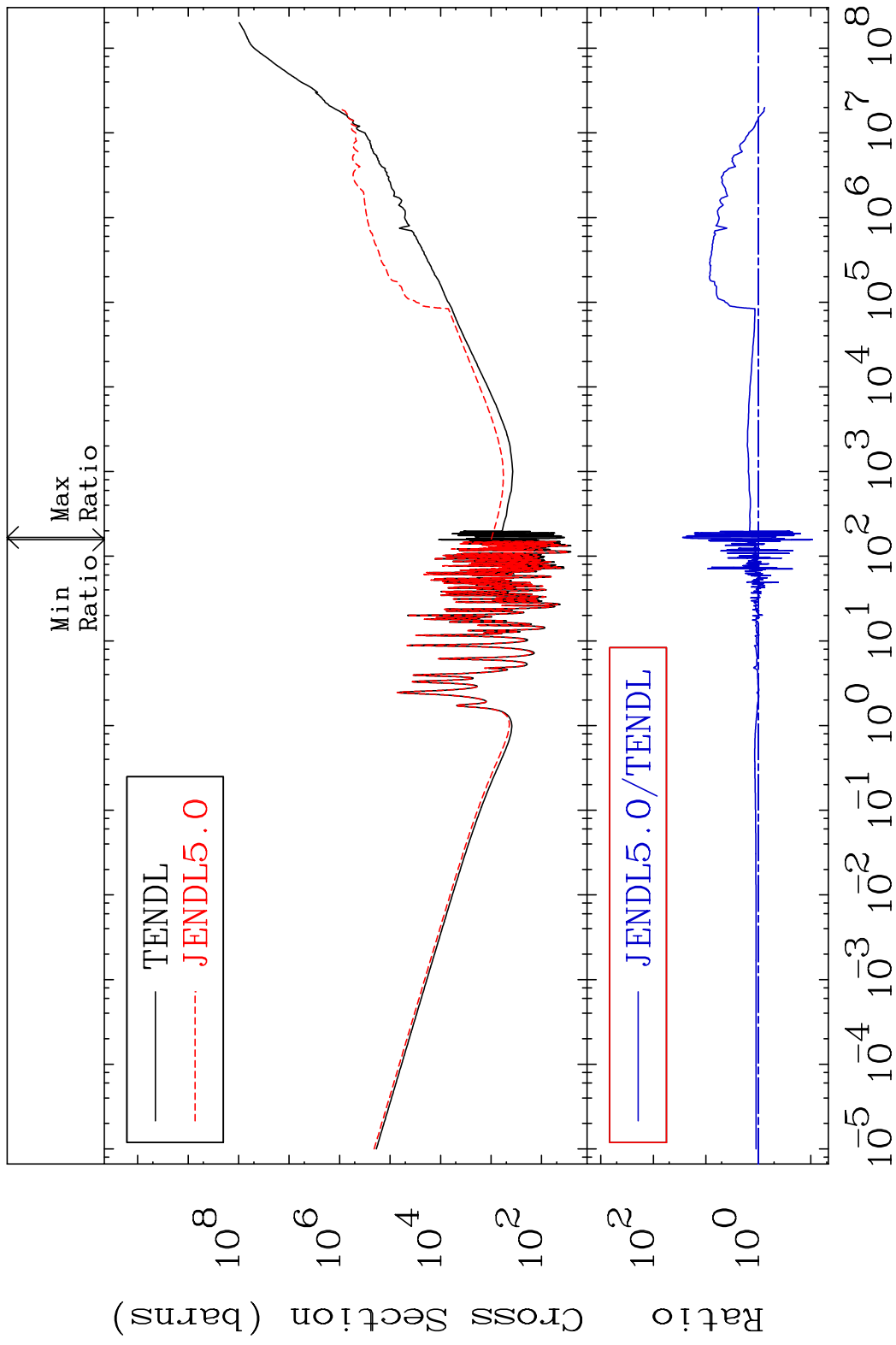
Ratio

Incident Energy (eV)

53

63-Eu-153

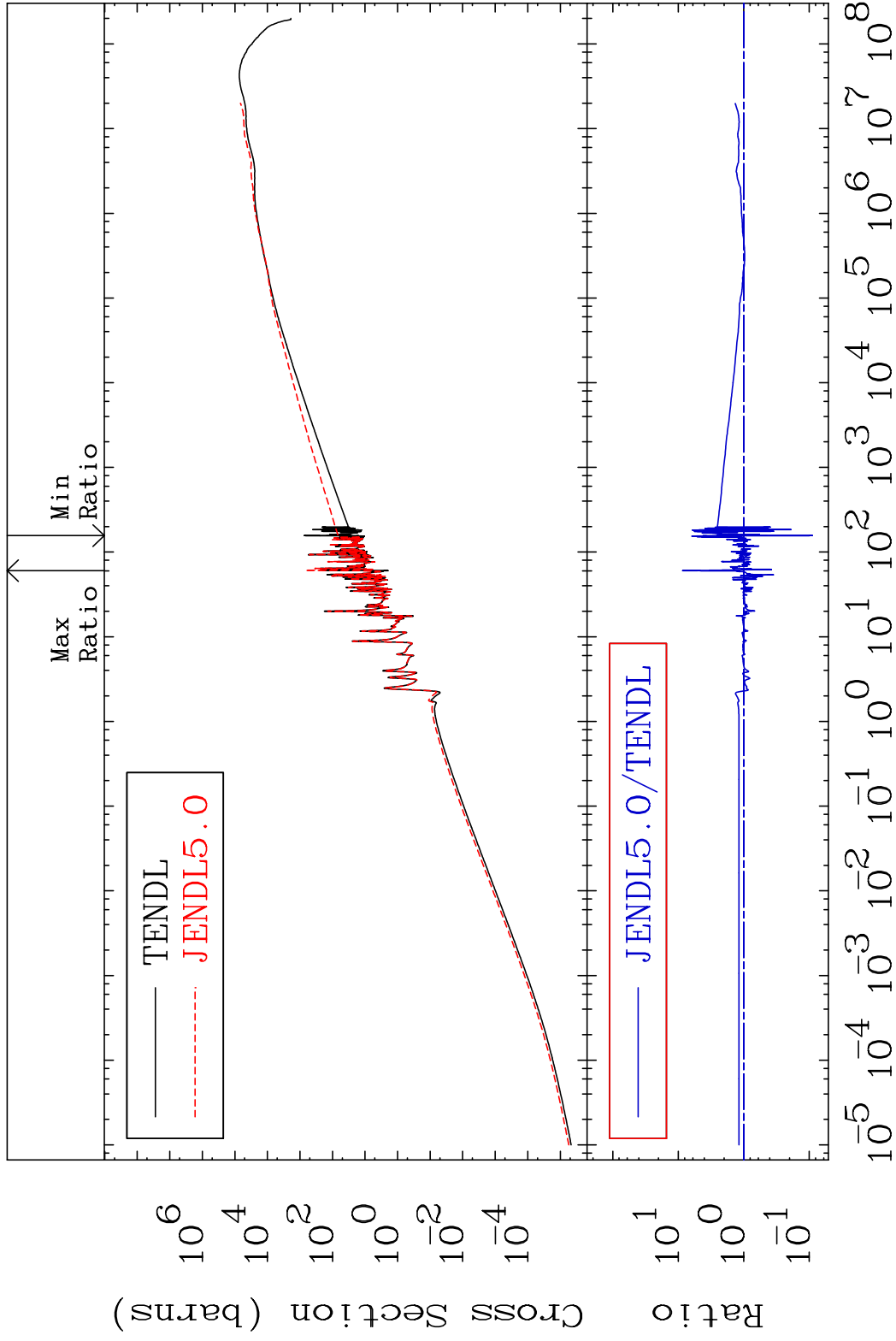
MAT 6331 Kerma total (eV-barns) 63-Eu-153  
 Cross Section -90.73 To 2701. %



MAT 6331

Kerma elastic  
Cross Section

63-Eu-153  
-91.10 To 765.6 %

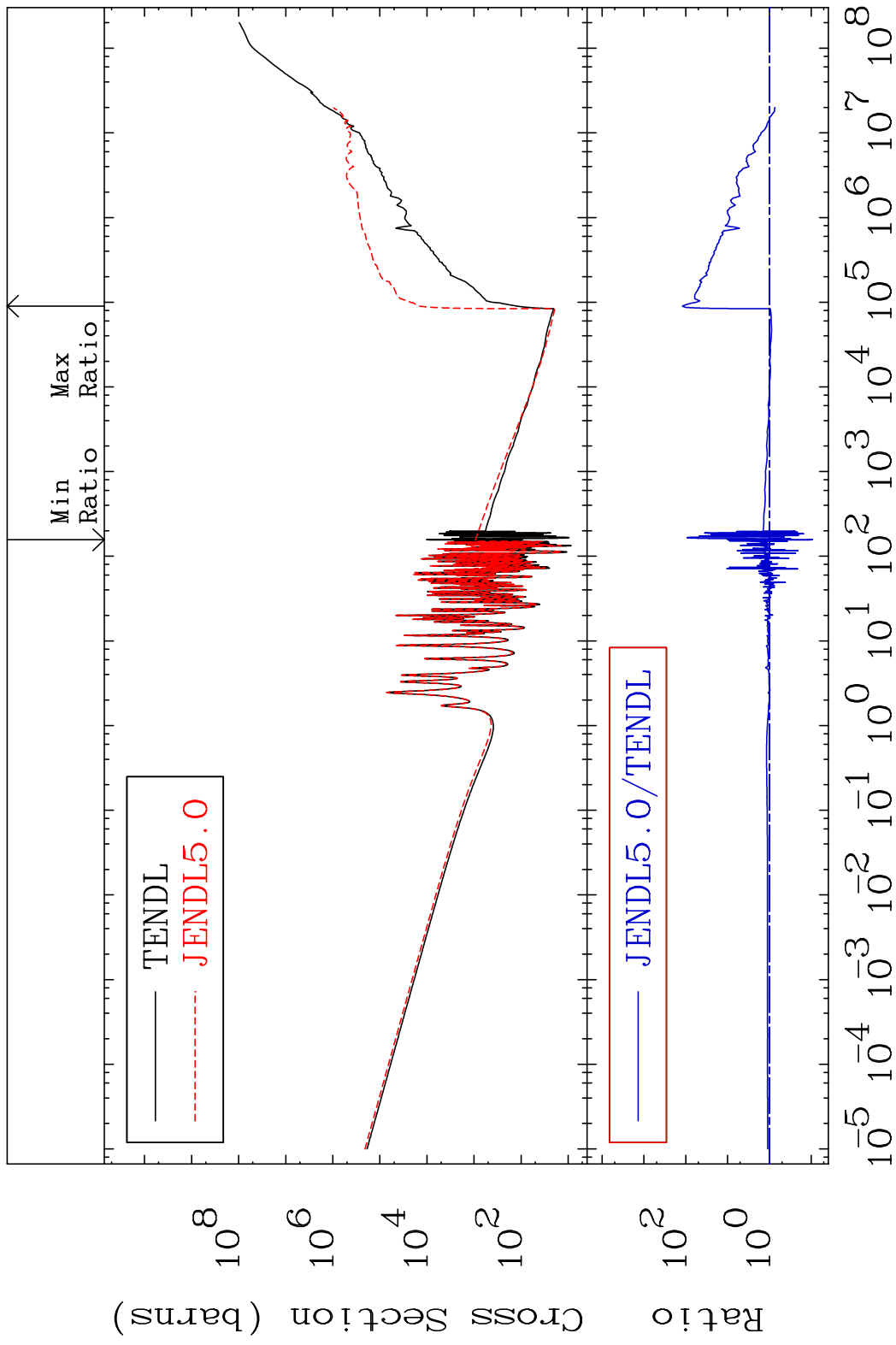


55

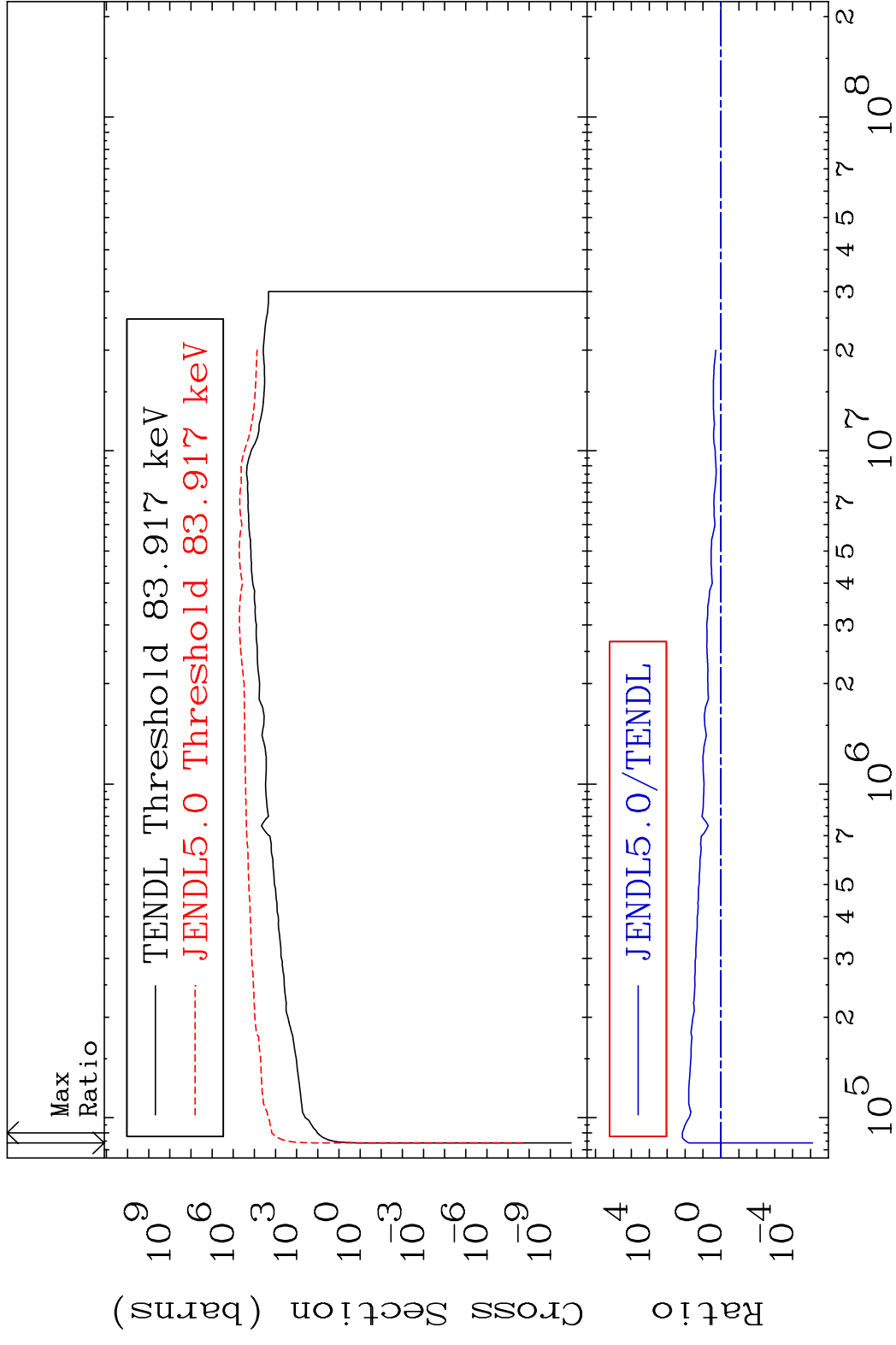
Incident Energy (eV)

63-Eu-153

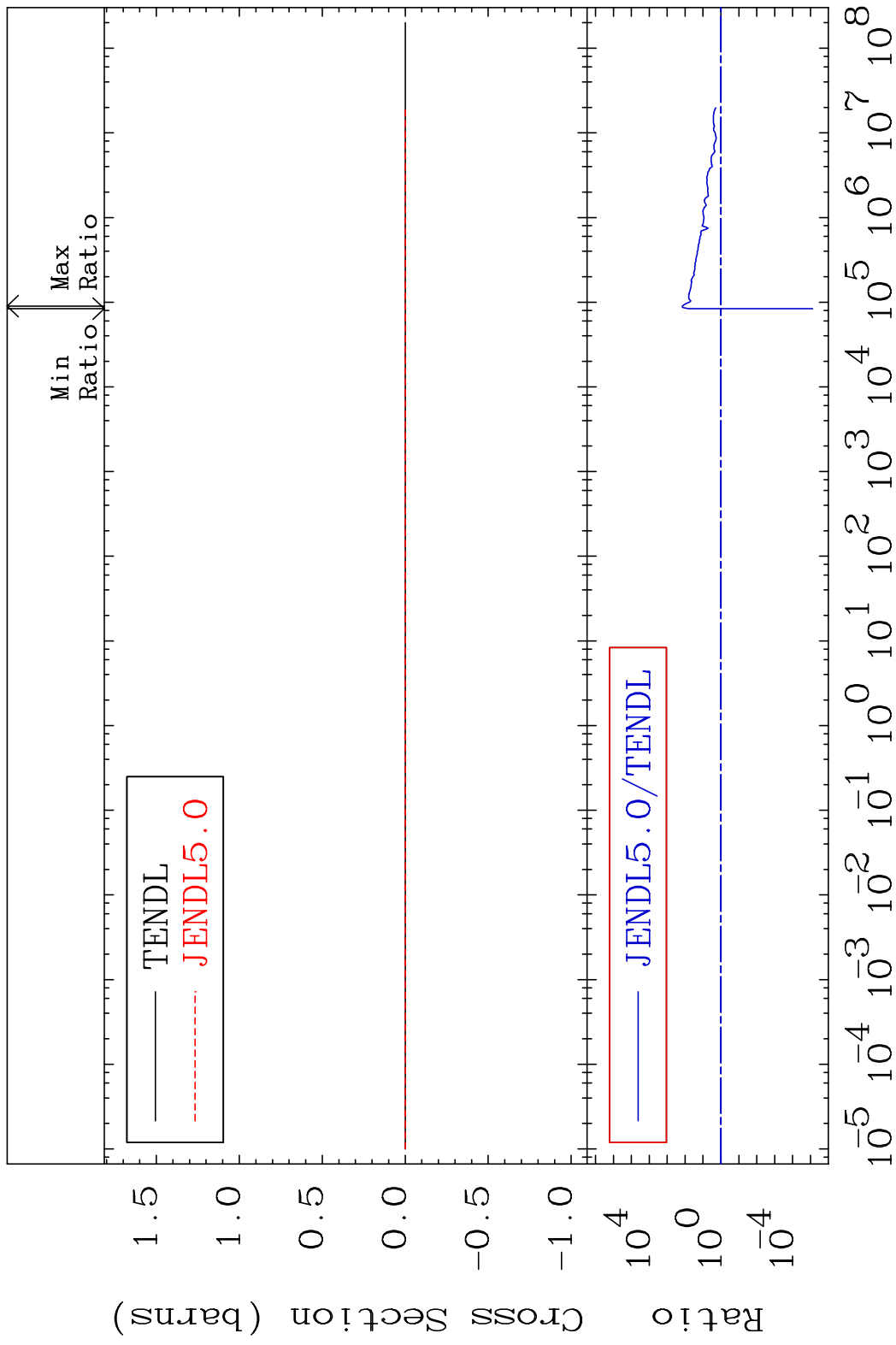
MAT 6331 Kerma non-elastic (all but mt2) 63-Eu-153  
 Cross Section -90.70 To 9999. %



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

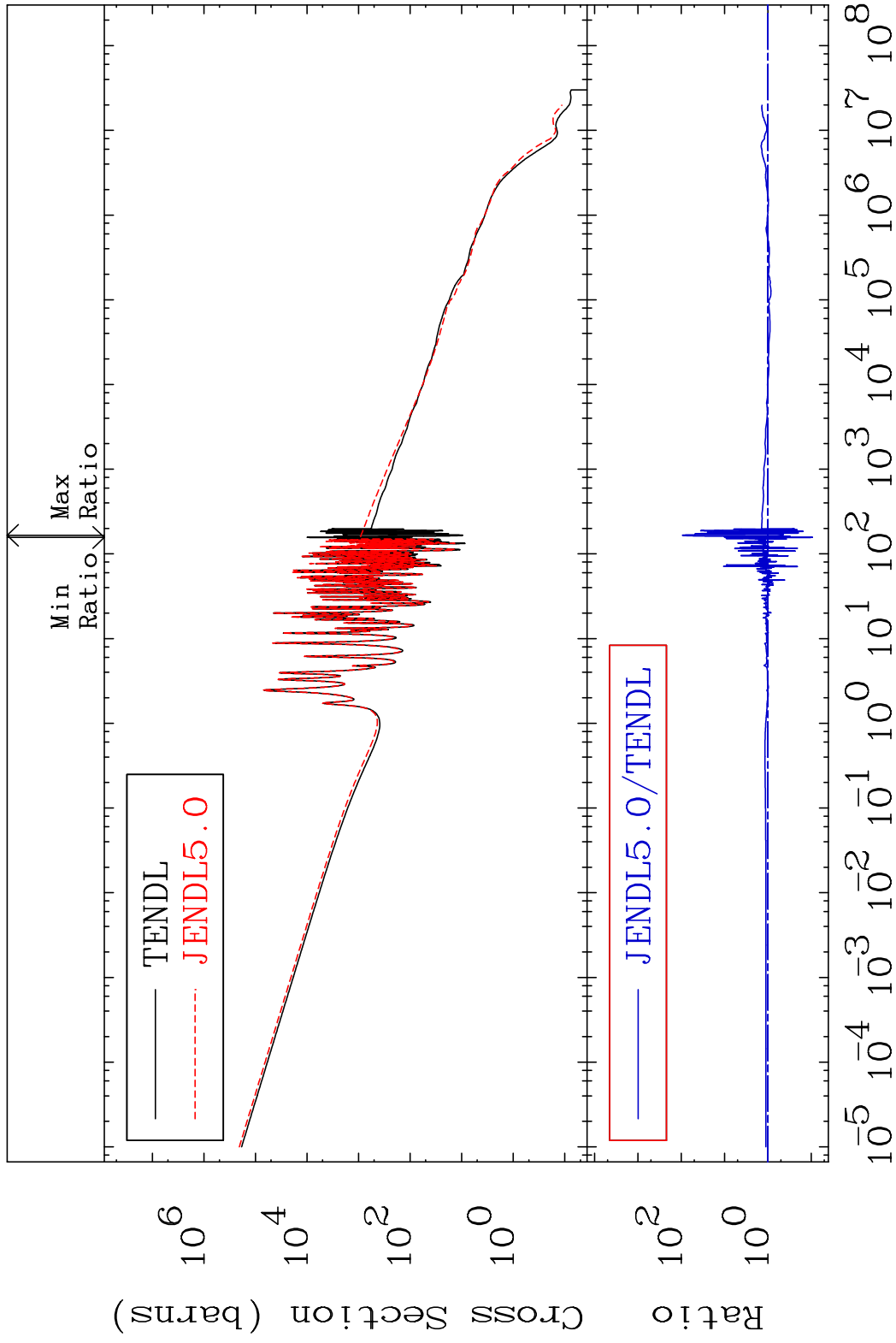


MAT 6331 Kerma fission (mt18 or mt19-20-21-38)63-Eu-153  
 Cross Section -100.0 To 9999. %



MAT 6331

Kerma capture (mt102) 63-Eu-153  
Cross Section -90.70 To 9317. %



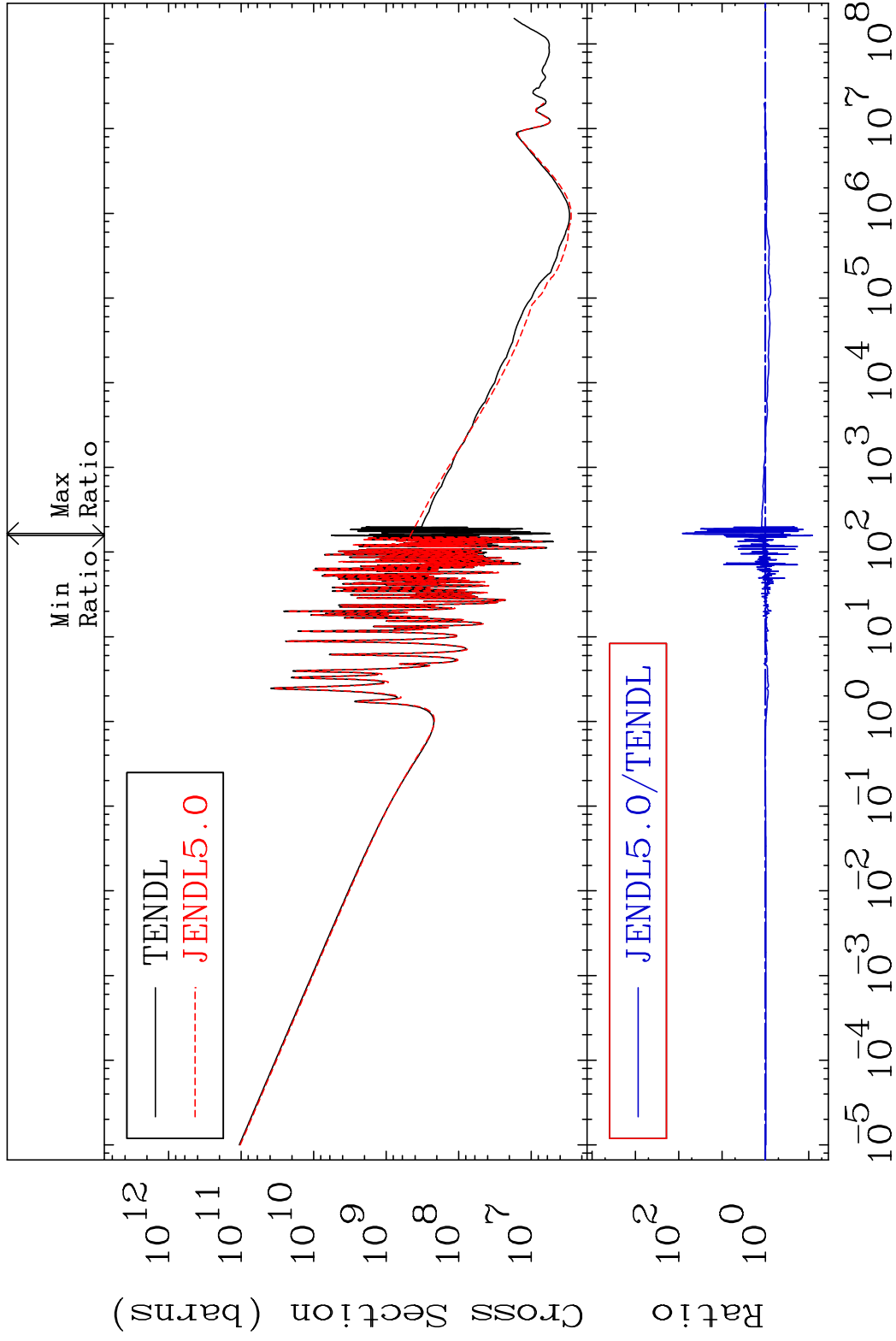
59

Incident Energy (eV)

63-Eu-153

MAT 6331

Total photon (eV-barns) 63-Eu-153  
Cross Section -91.84 To 8163. %

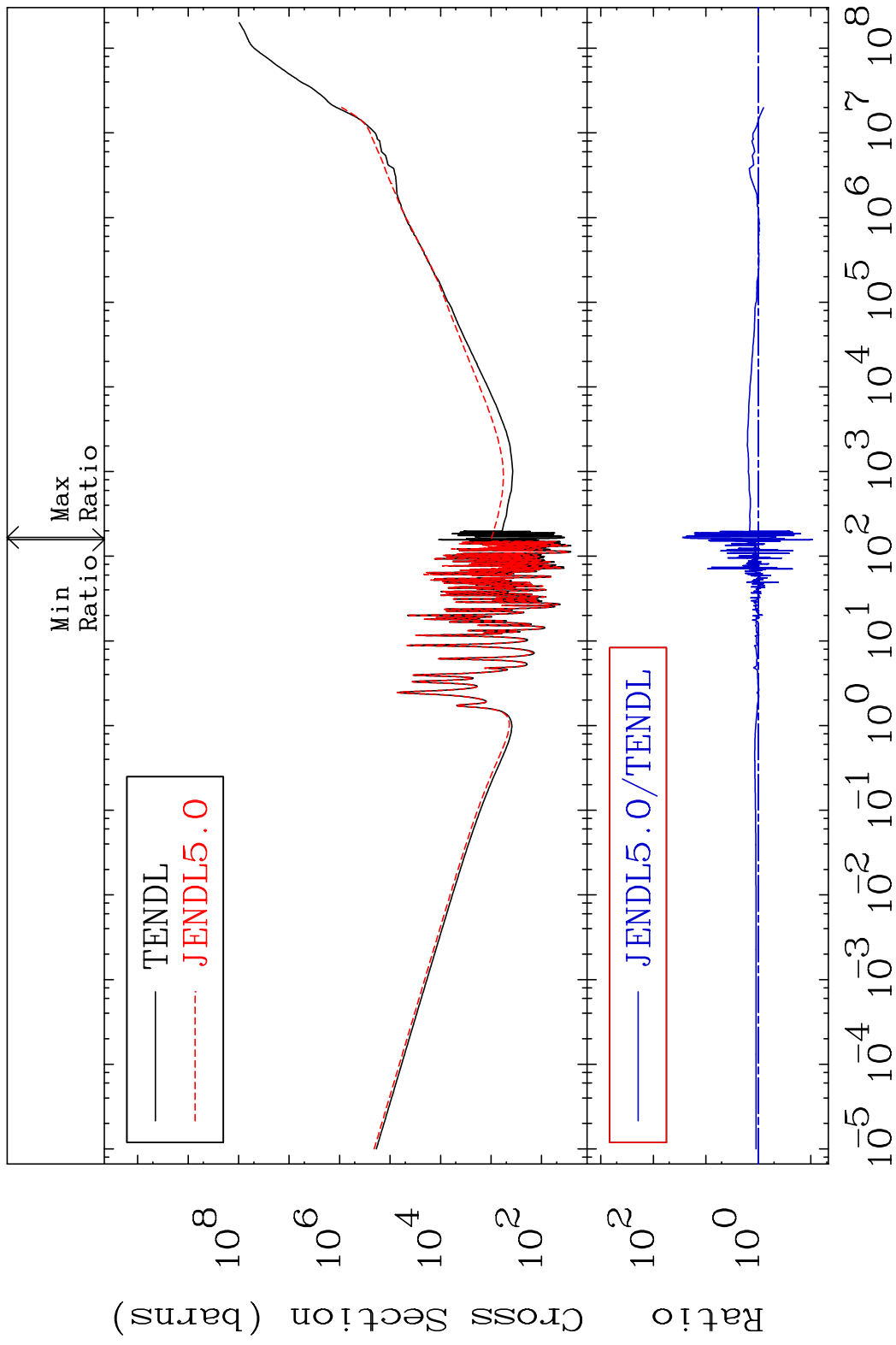


60

Incident Energy (eV)

63-Eu-153

MAT 6331 Total kinematic kerma (high limit) 63-Eu-153  
 Cross Section -90.73 To 2701. %

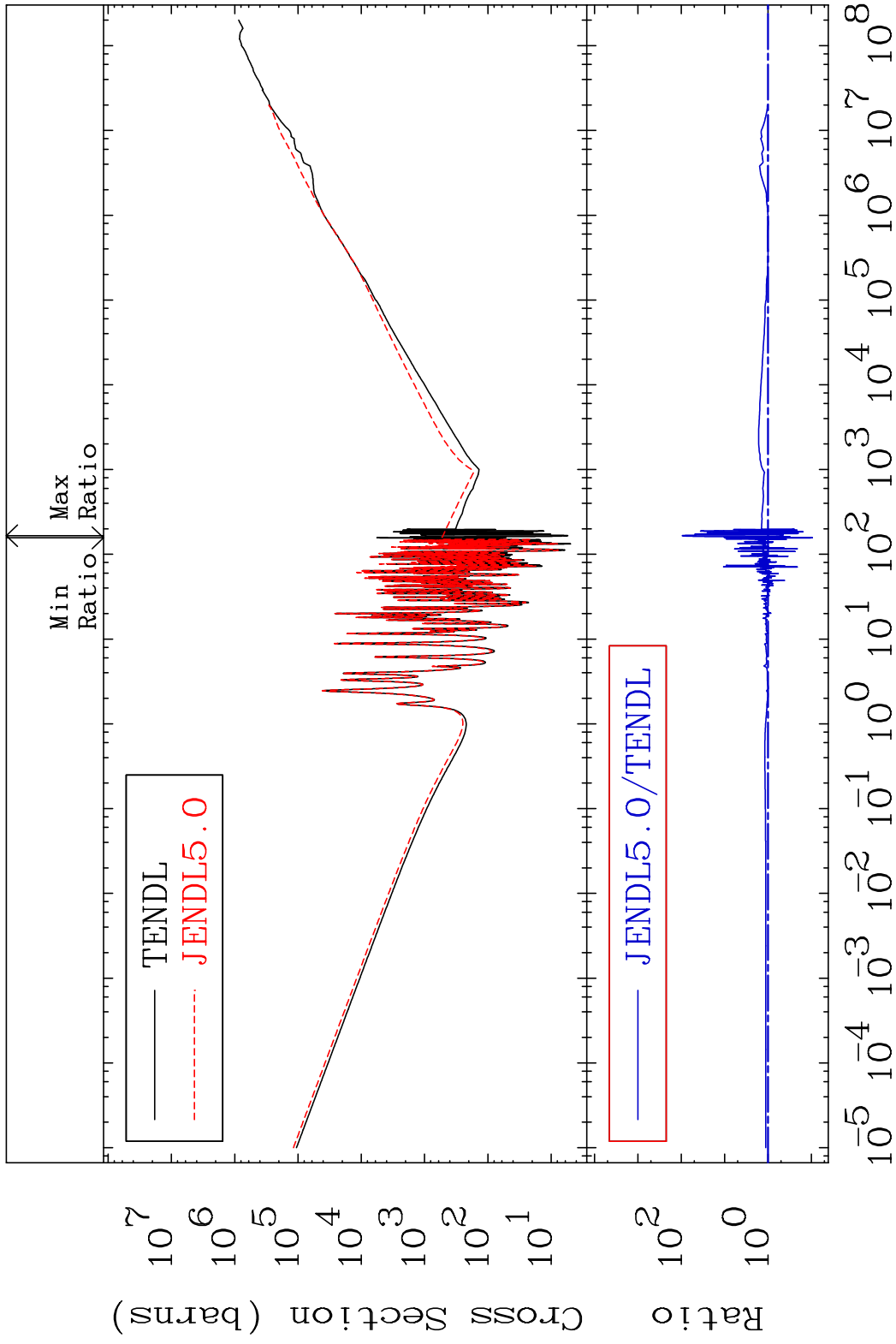


MAT 6331

Dpa total (eV-barns)

63-Eu-153

Cross Section -90.61 To 9406. %



62

Incident Energy (eV)

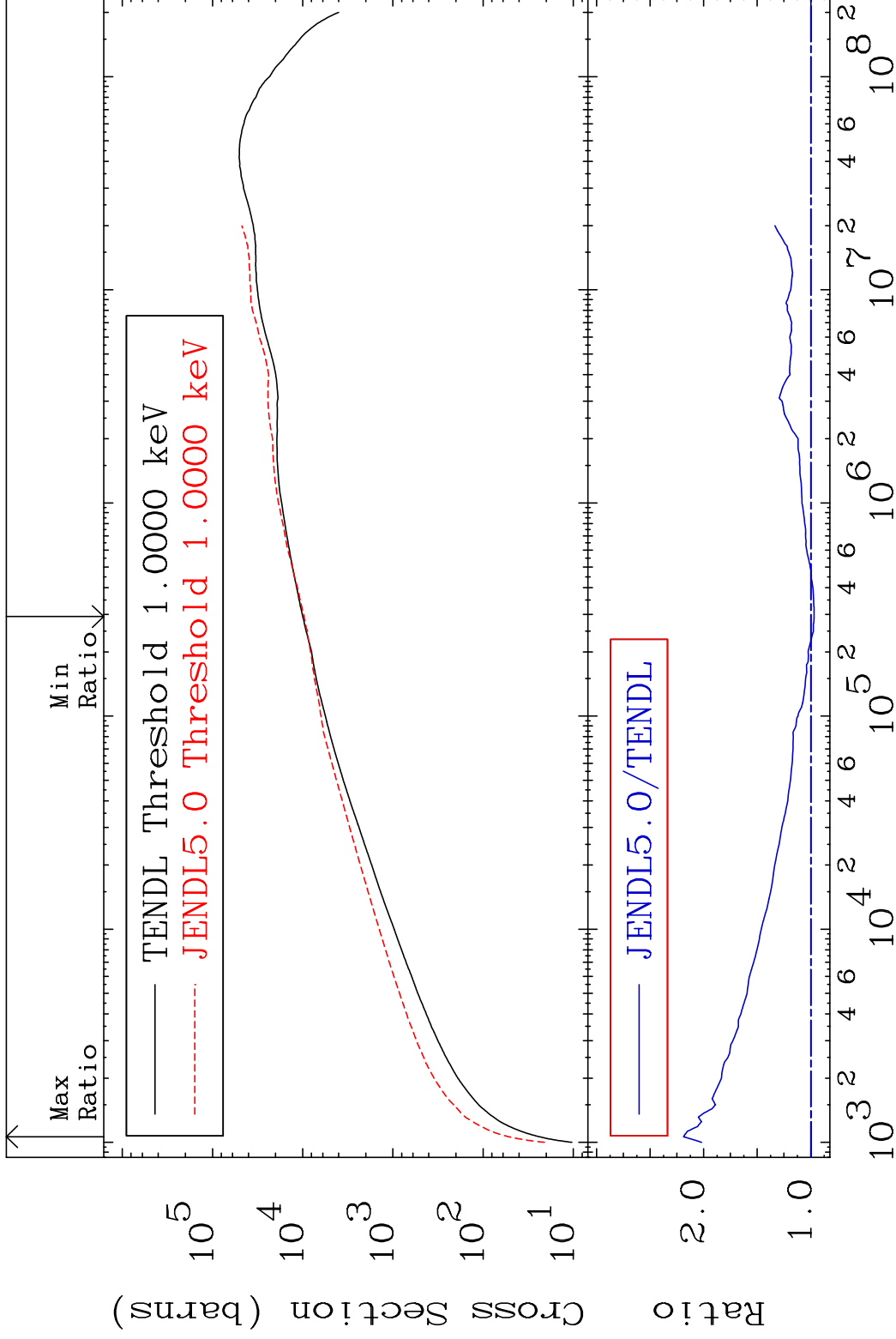
63-Eu-153

MAT 6331

Dpa elastic (mt2)

63-Eu-153

Cross Section -3.040 To 118.9 %

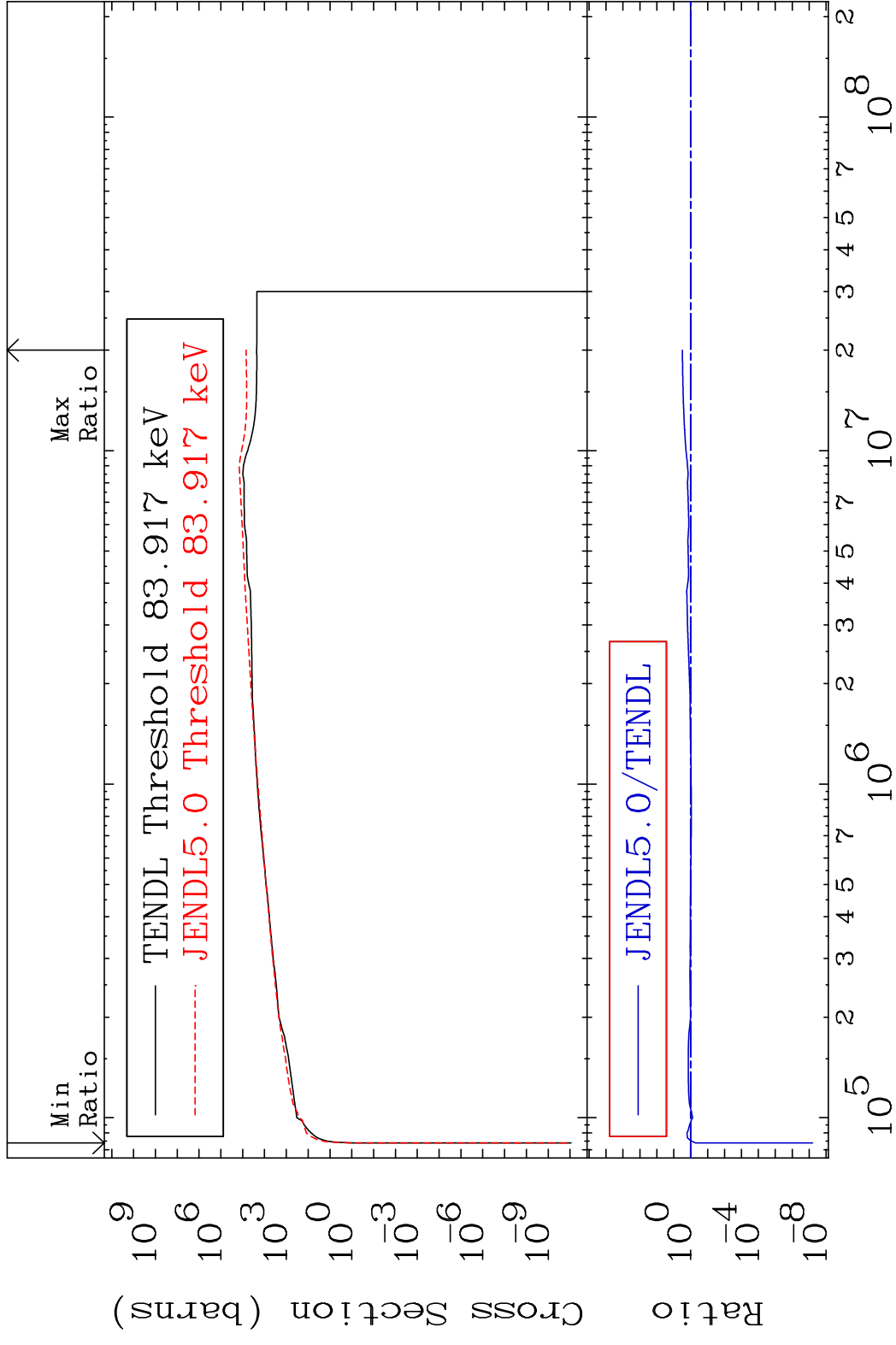


63

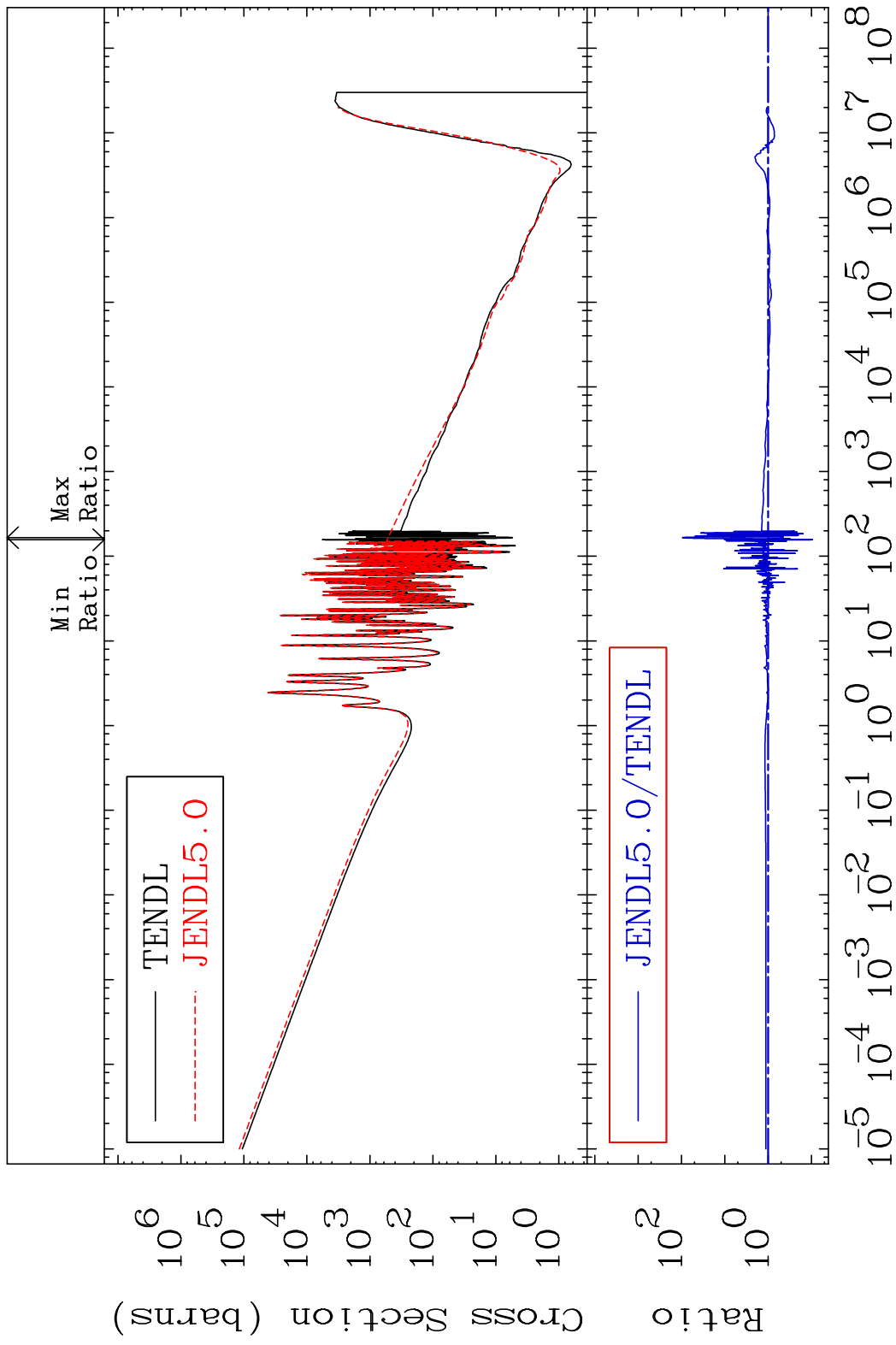
Incident Energy (eV)

63-Eu-153

MAT 6331 Dpa inelastic (mt51-91) 63-Eu-153  
 Cross Section -100.0 To 209.3 %

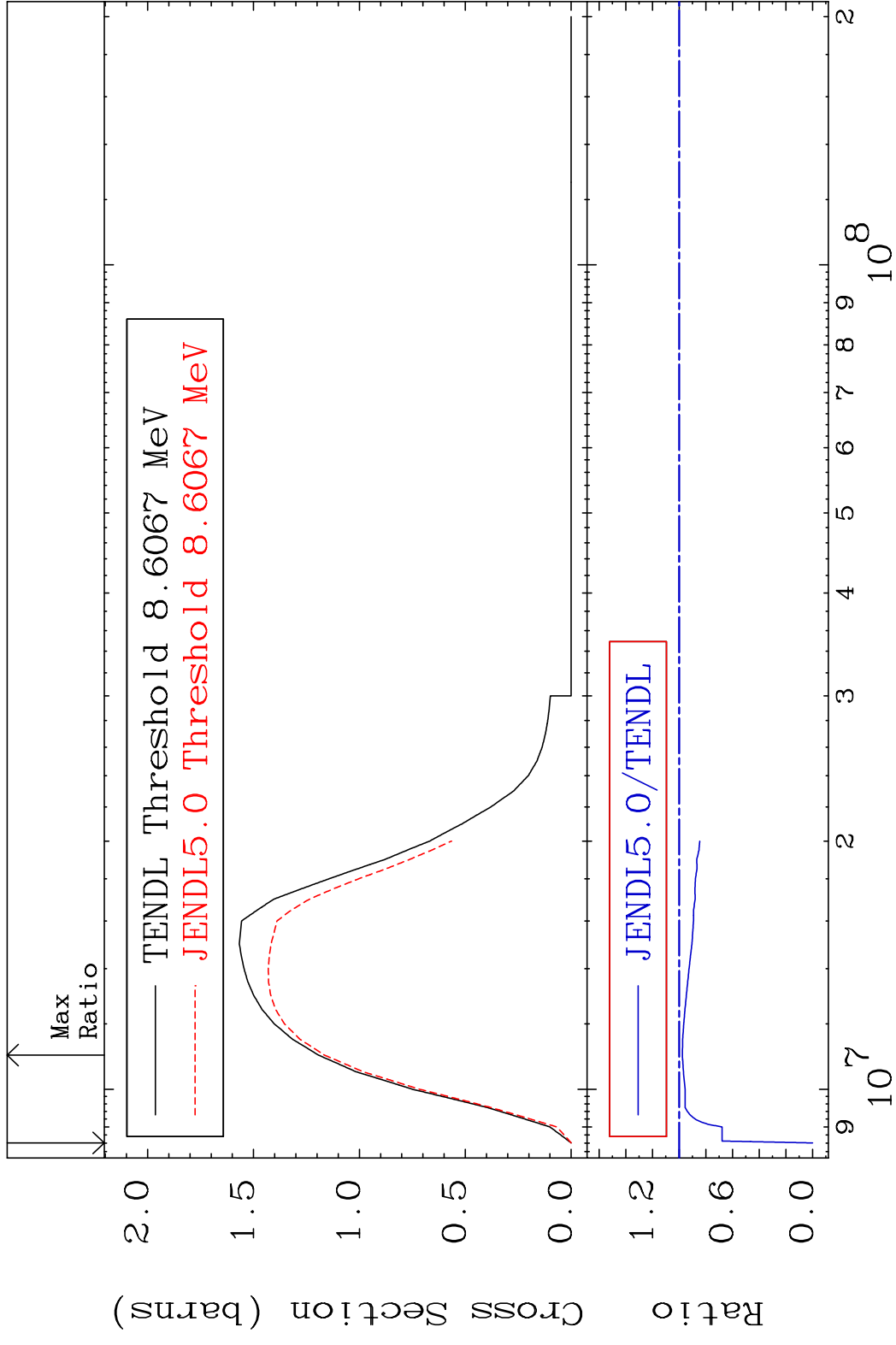


MAT 6331 Dpa disappearance (mt102 -120) 63-Eu-153  
 Cross Section -90.61 To 9406. %

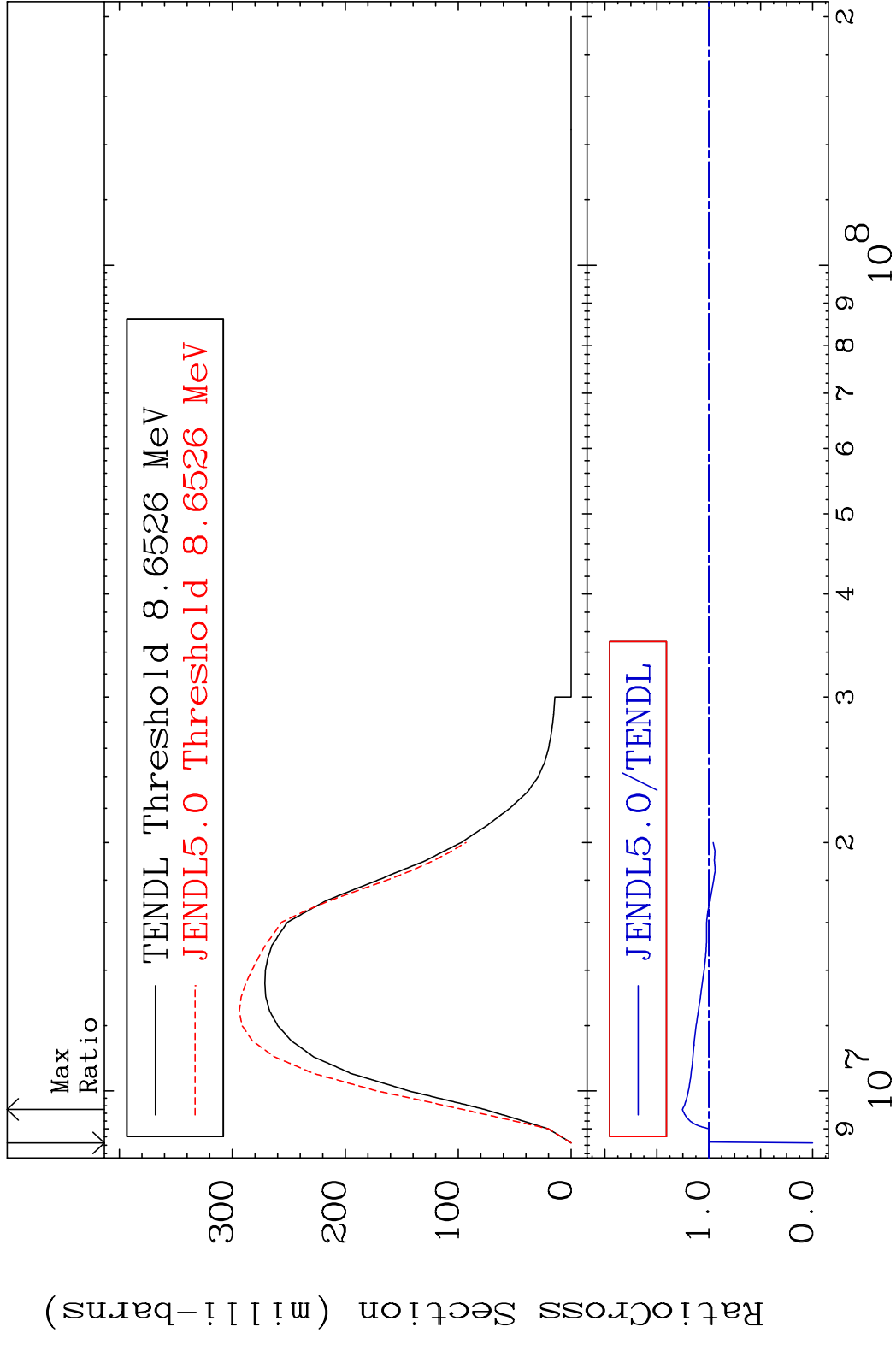


65 Incident Energy (eV) 63-Eu-153

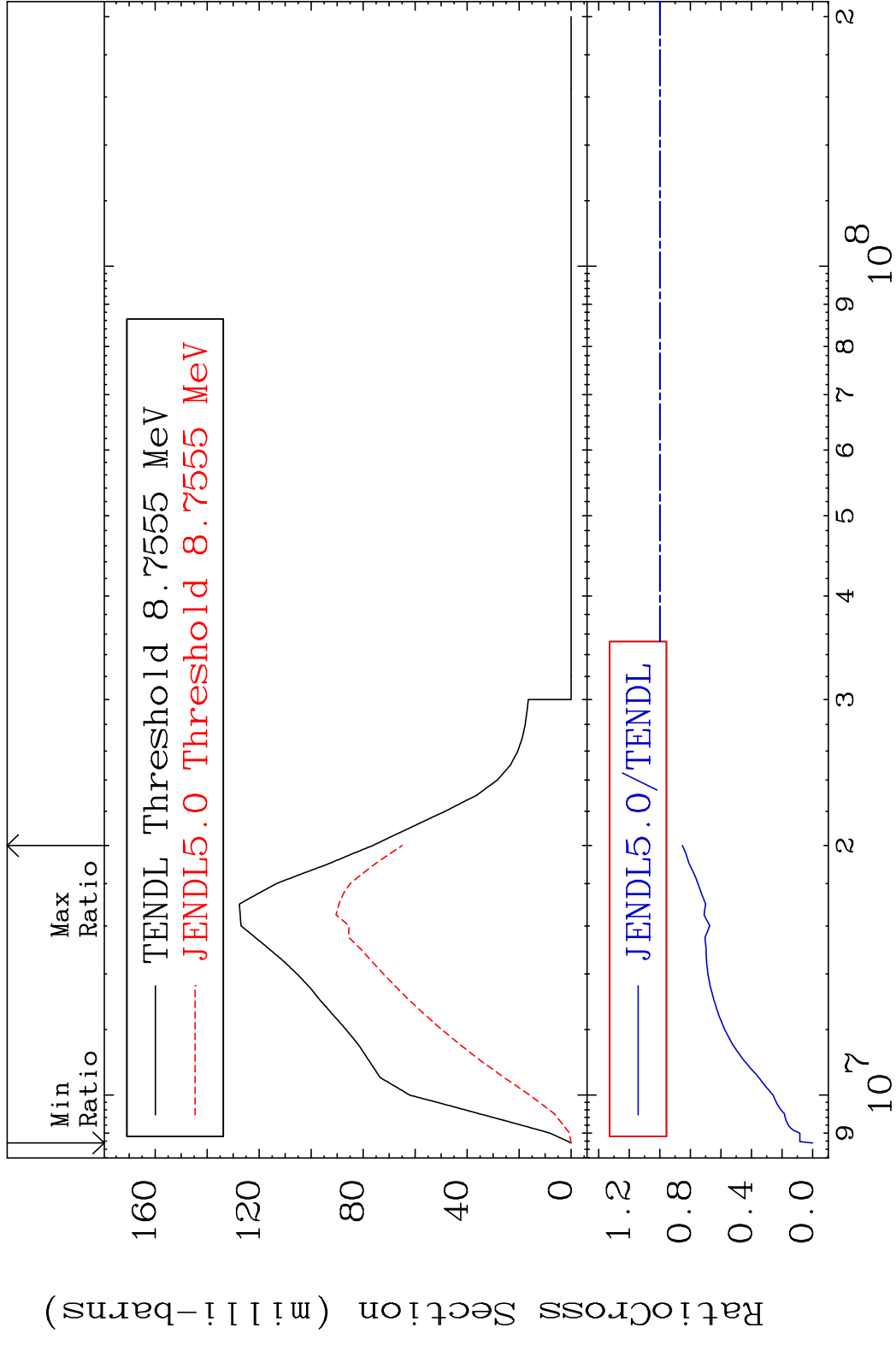
MAT 6331 (n,2n):63-Eu-152g 63-Eu-153  
 Radionuclide Production Cross Section Ratio -2.399%



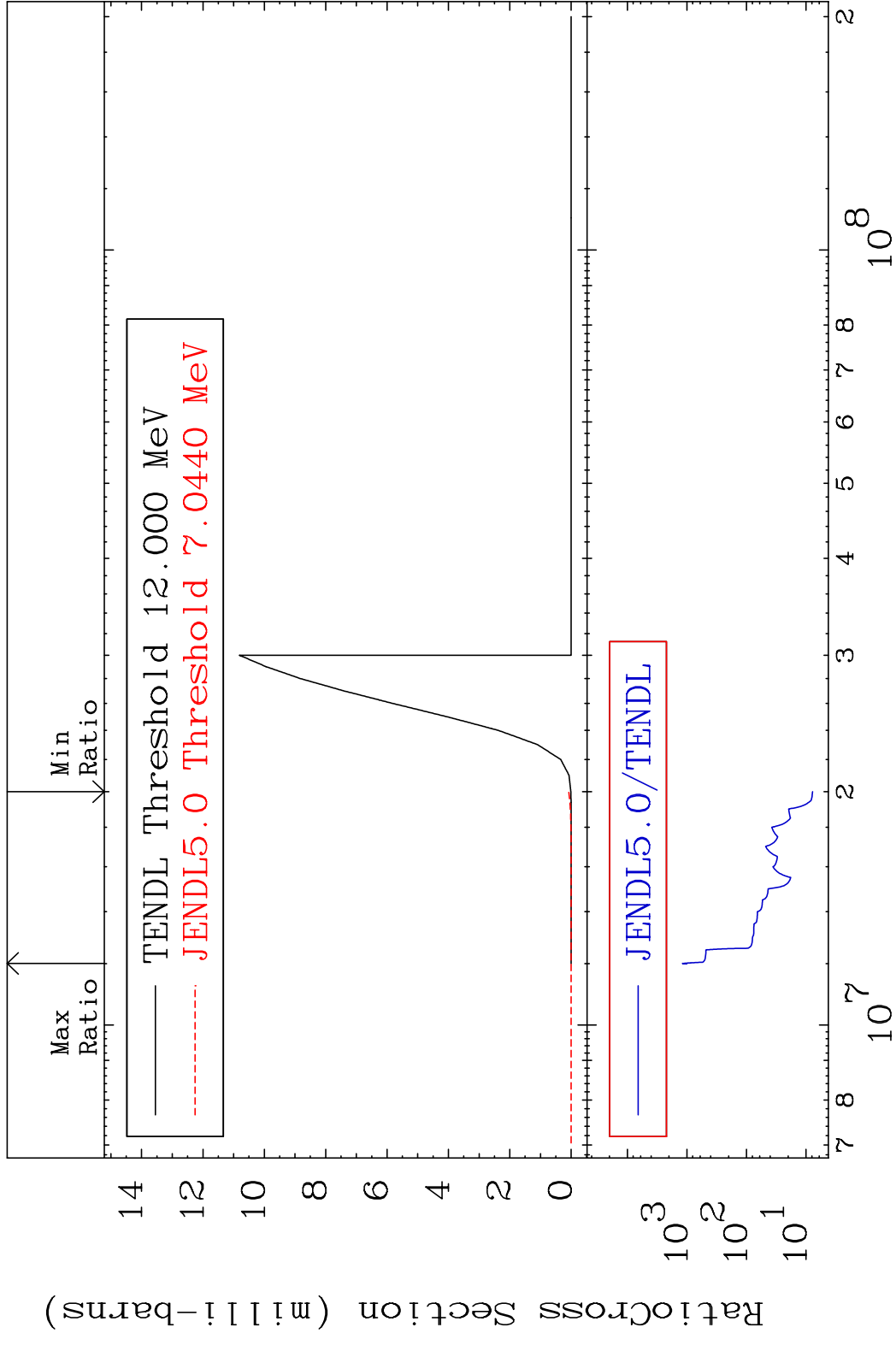
MAT 6331 (n, 2n):63-Eu-152m1 63-Eu-153  
 Radionuclide Production Cross Section Ratio 25.43 %



MAT 6331 (n,2n):63-Eu-152m16 63-Eu-153  
 Radionuclide Production Cross Section Ratio -14.80%



MAT 6331 (n,2n)  $\alpha$ :61-Pm-148g 63-Eu-153  
 Radionuclide Production Cross Section to 9999. %



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

