

Program Complot
(Version 2021-1)

by

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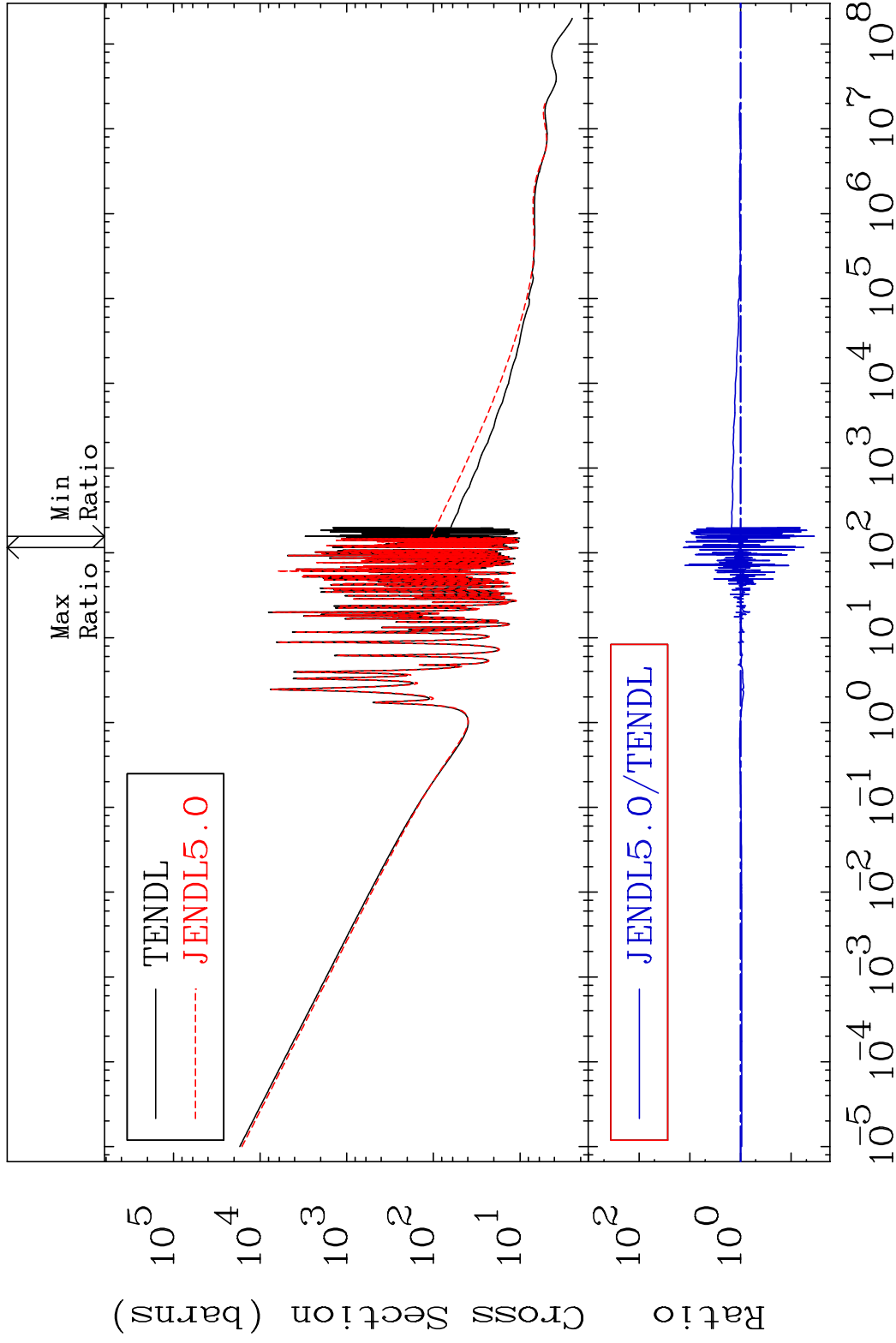
Press Mouse Button to Start

MAT 6331

Total

63-Eu-153

Cross Section -96.49 To 1225. %



1

Incident Energy (eV)

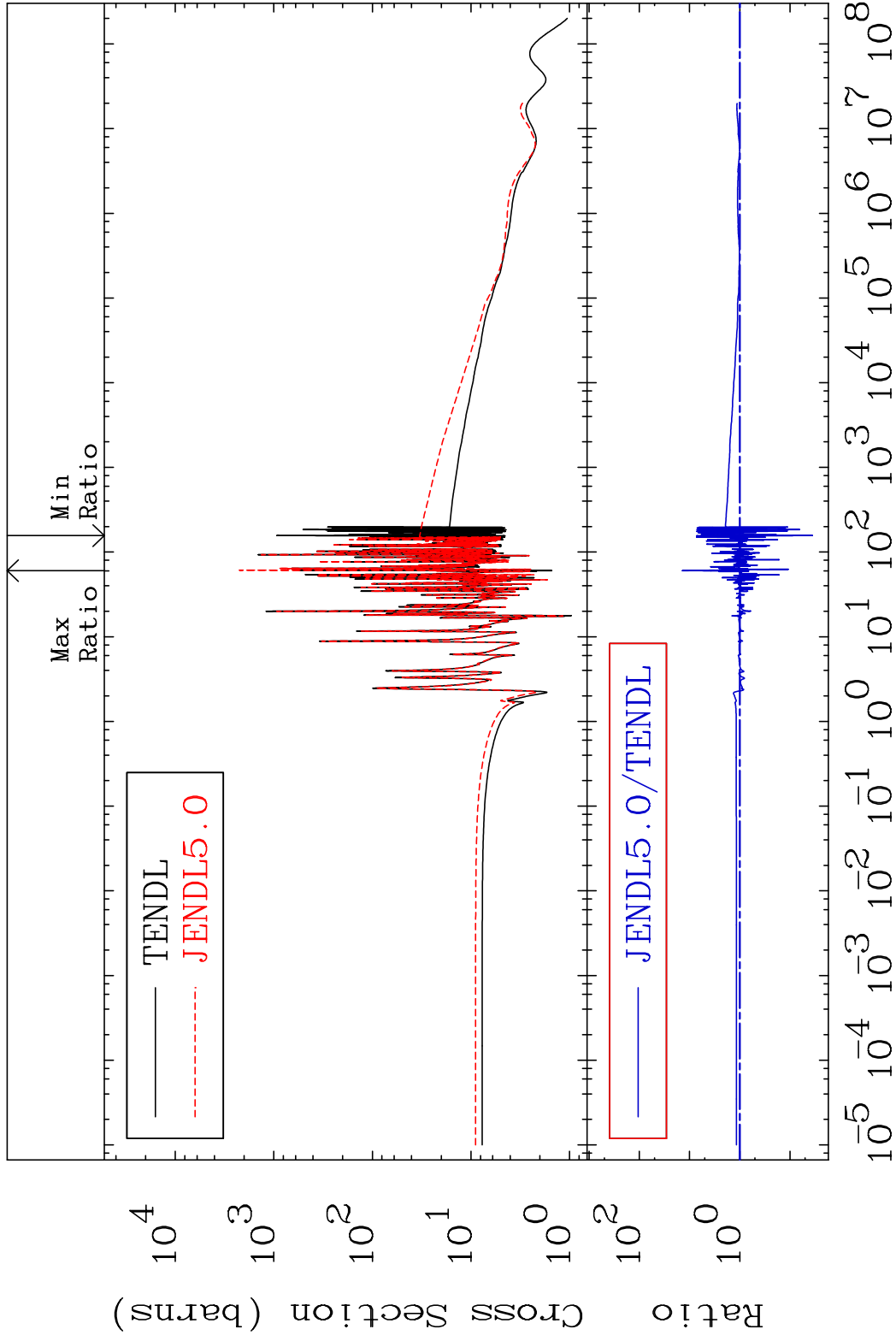
63-Eu-153

MAT 6331

Elastic

63-Eu-153

Cross Section -96.46 To 1293. %



2

Incident Energy (eV)

63-Eu-153

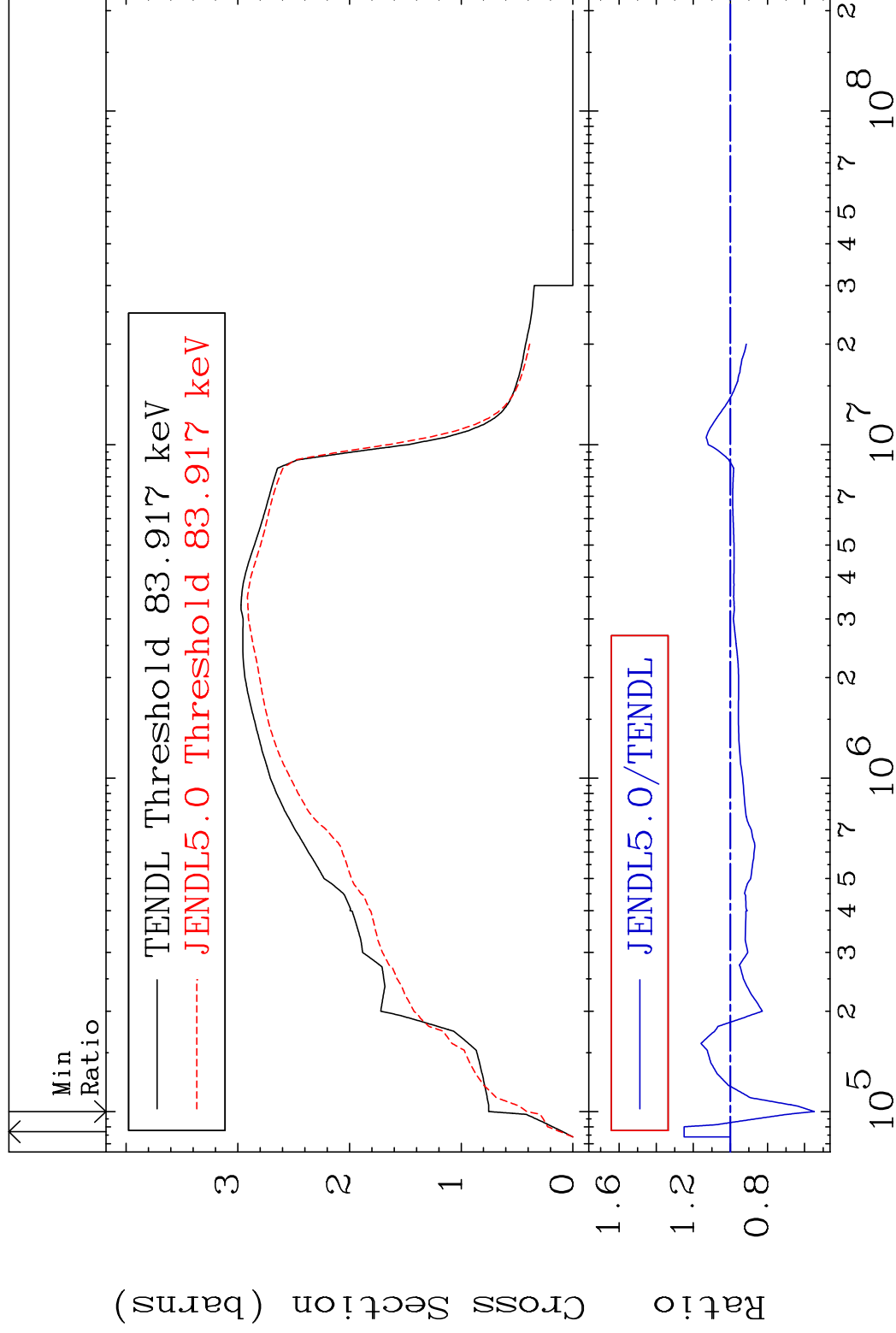
MAT 6331

Inelastic

63-Eu-153

Cross Section

-45.23 To 24.97 %



3

Incident Energy (eV)

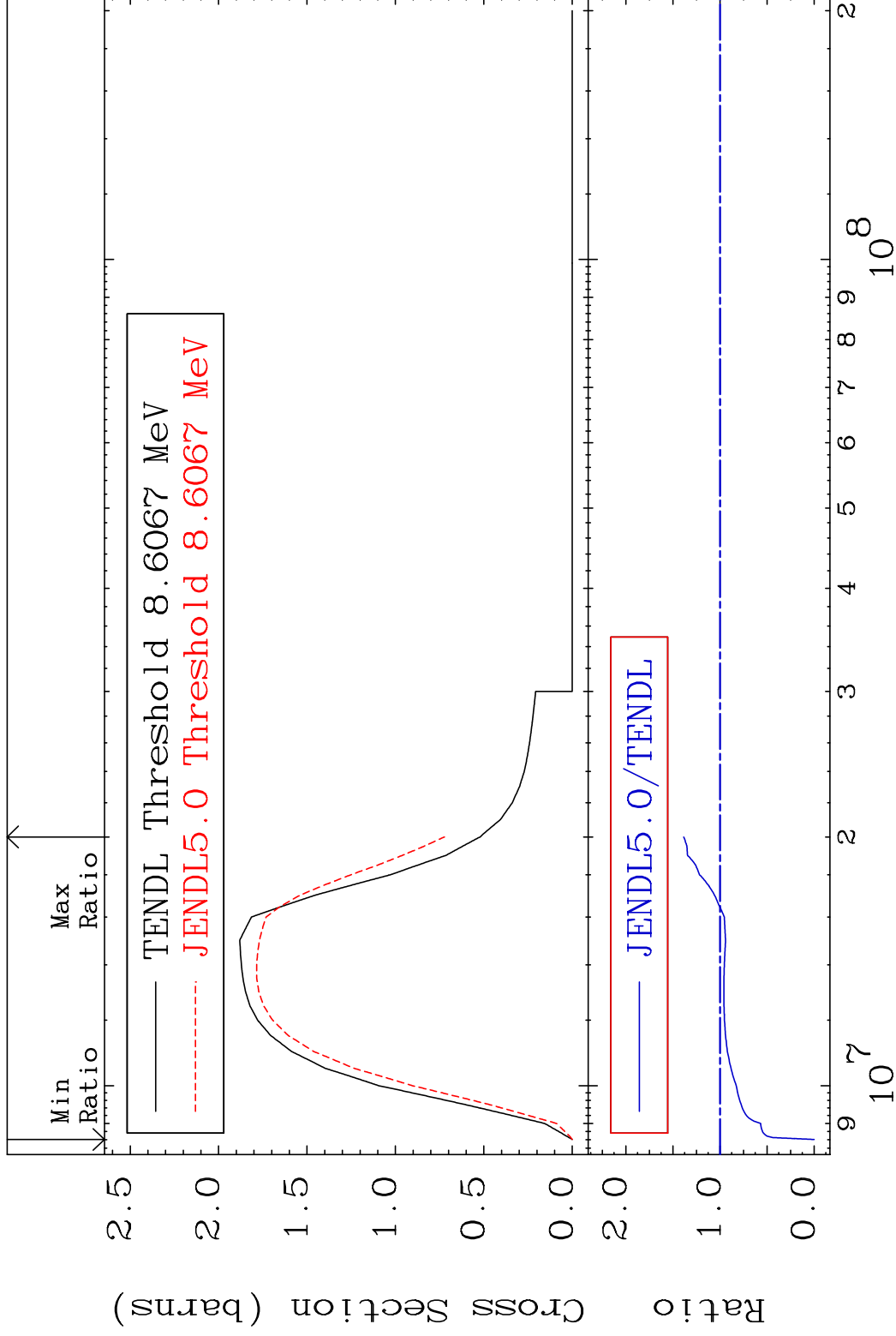
63-Eu-153

MAT 6331

(n,2n)

63-Eu-153

Cross Section -100.0 To 38.61 %



4

Incident Energy (eV)

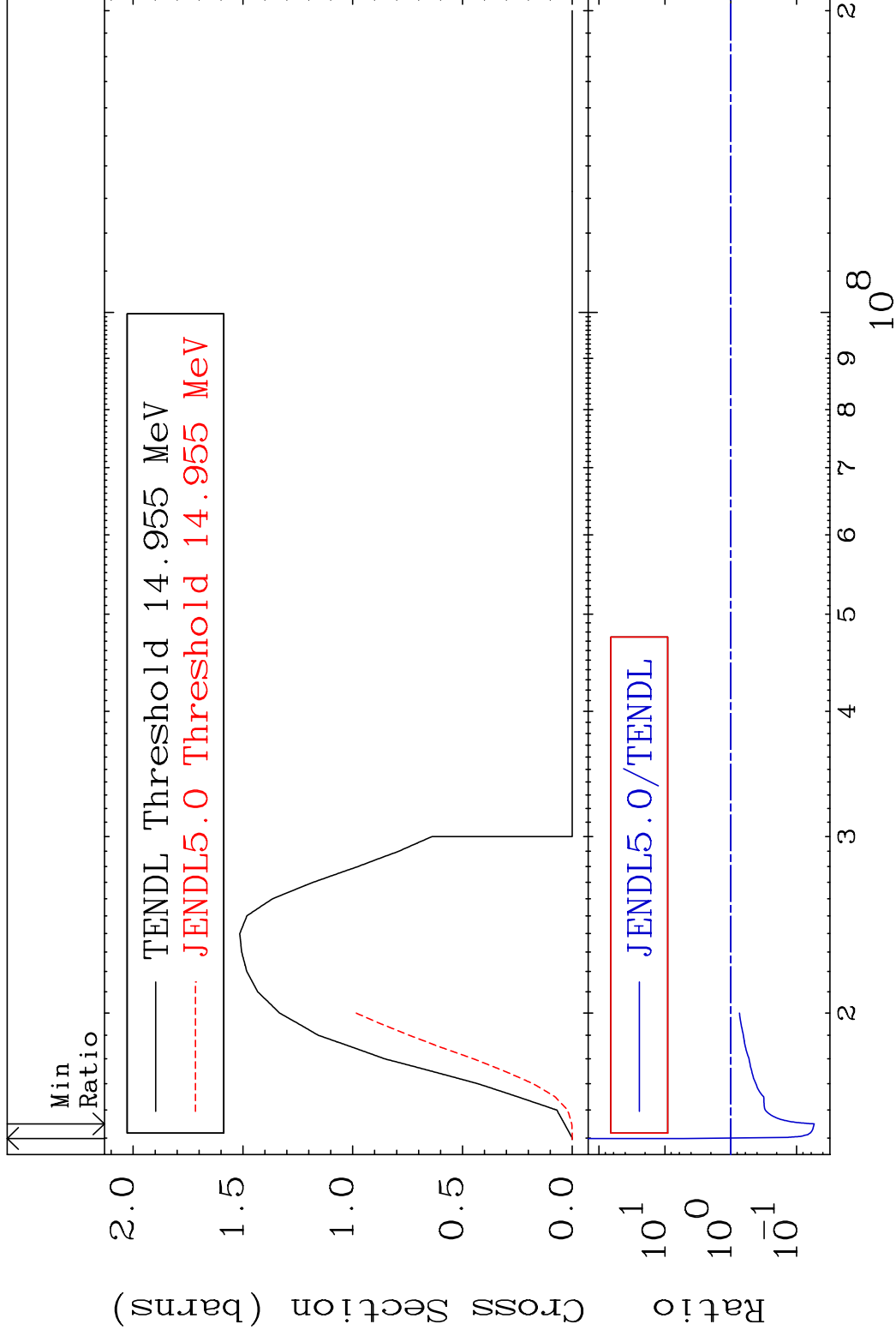
63-Eu-153

MAT 6331

(n,3n)

63-Eu-153

Cross Section -94.57 To 418.2 %



5

Incident Energy (eV)

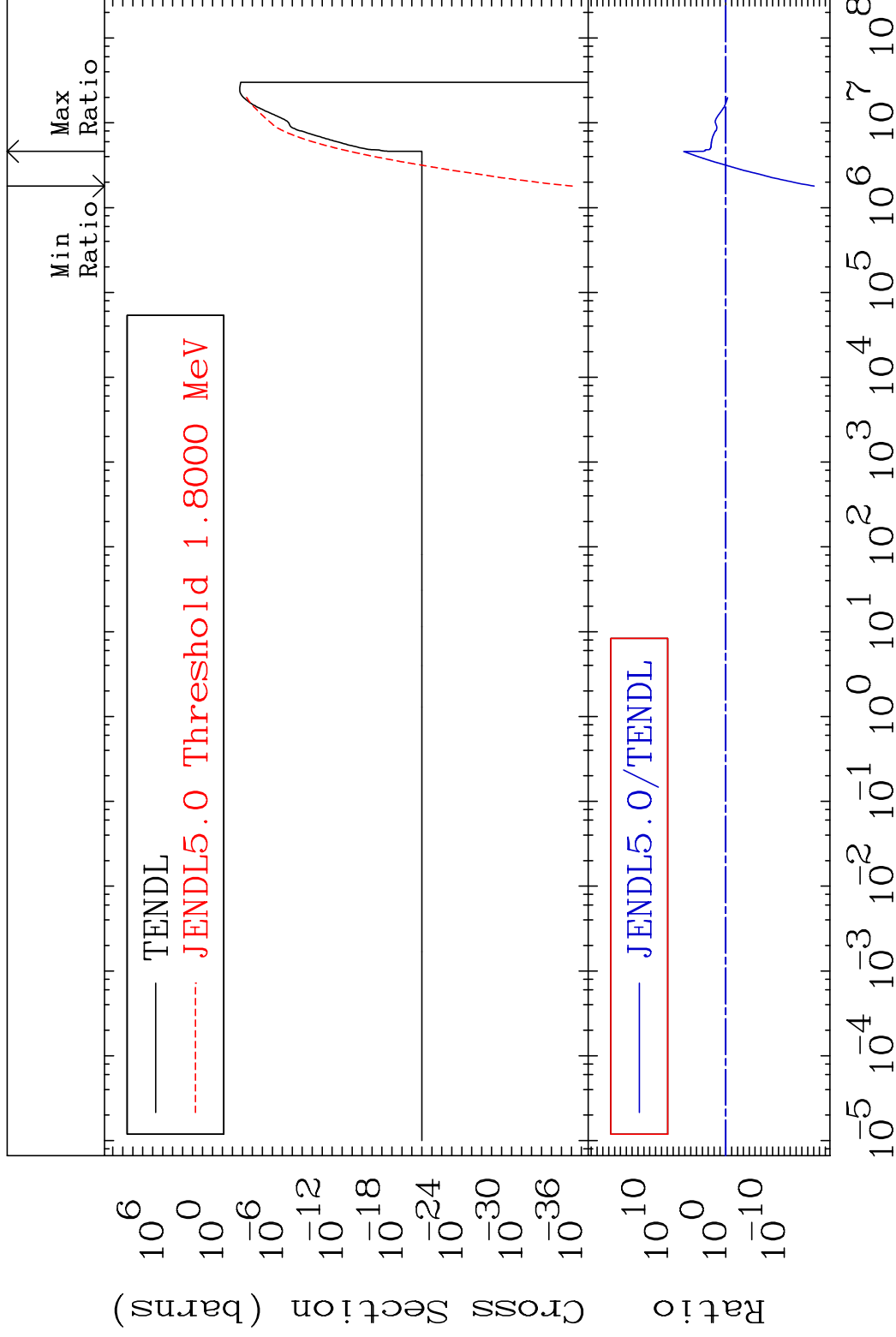
63-Eu-153

MAT 6331

(n, n') α

63-Eu-153

Cross Section -100.0 To 9999. %

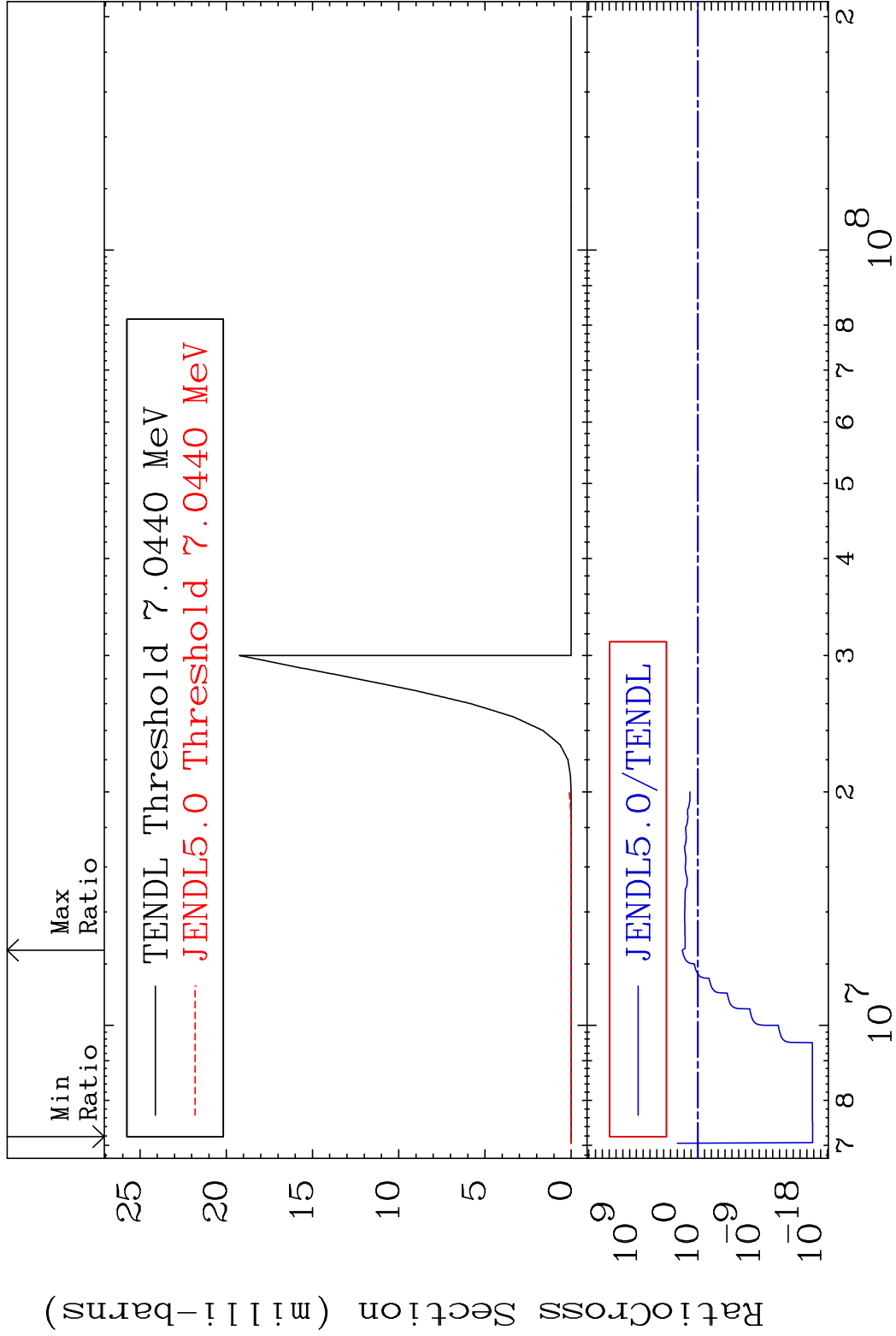


MAT 6331

(n,2n) α

63-Eu-153

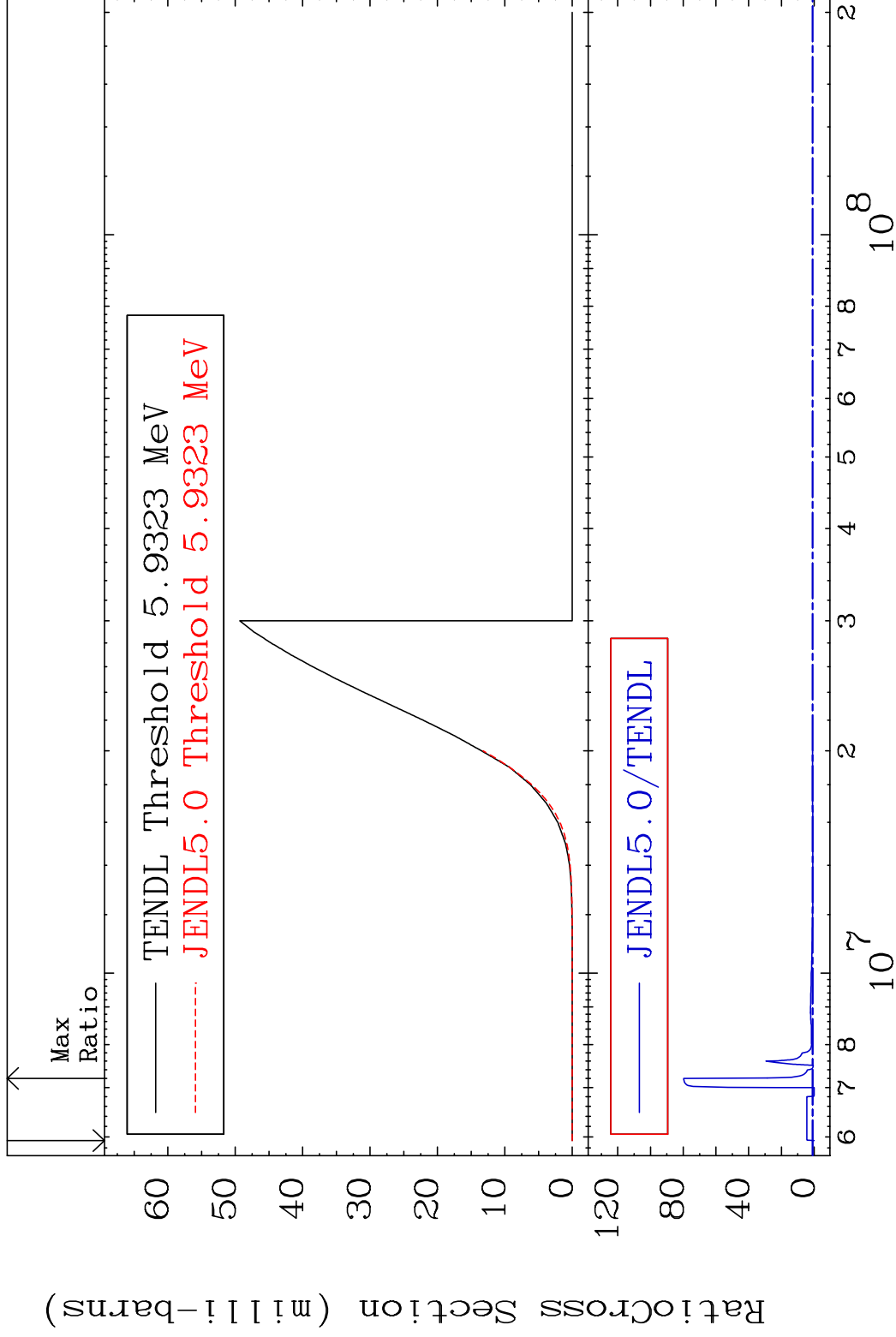
Cross Section -100.0 To 9999. %



MAT 6331

(n, n') p 63-Eu-153

Cross Section -100.0 To 7873. %



8

Incident Energy (eV)

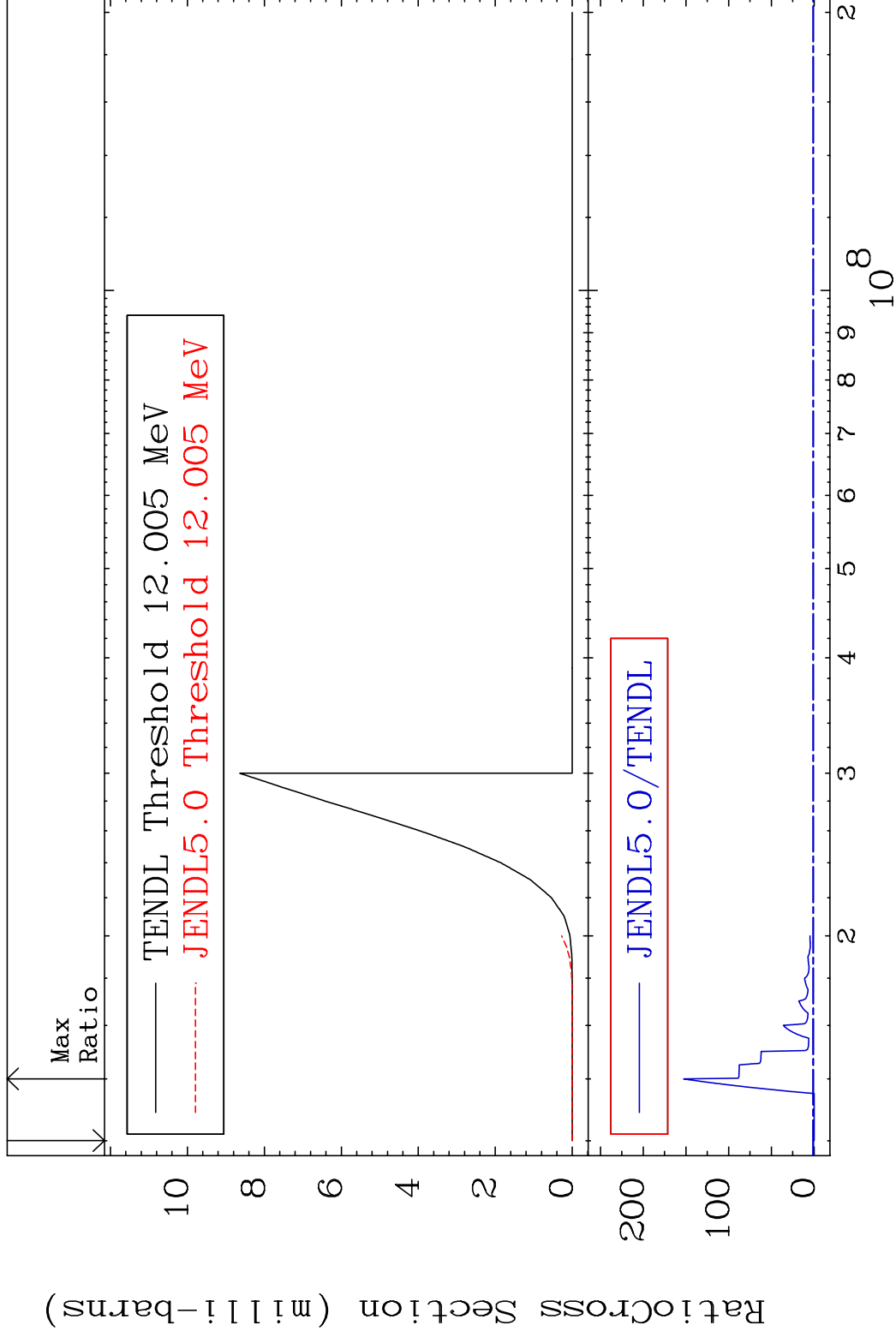
63-Eu-153

MAT 6331

(n, n') d

63-Eu-153

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

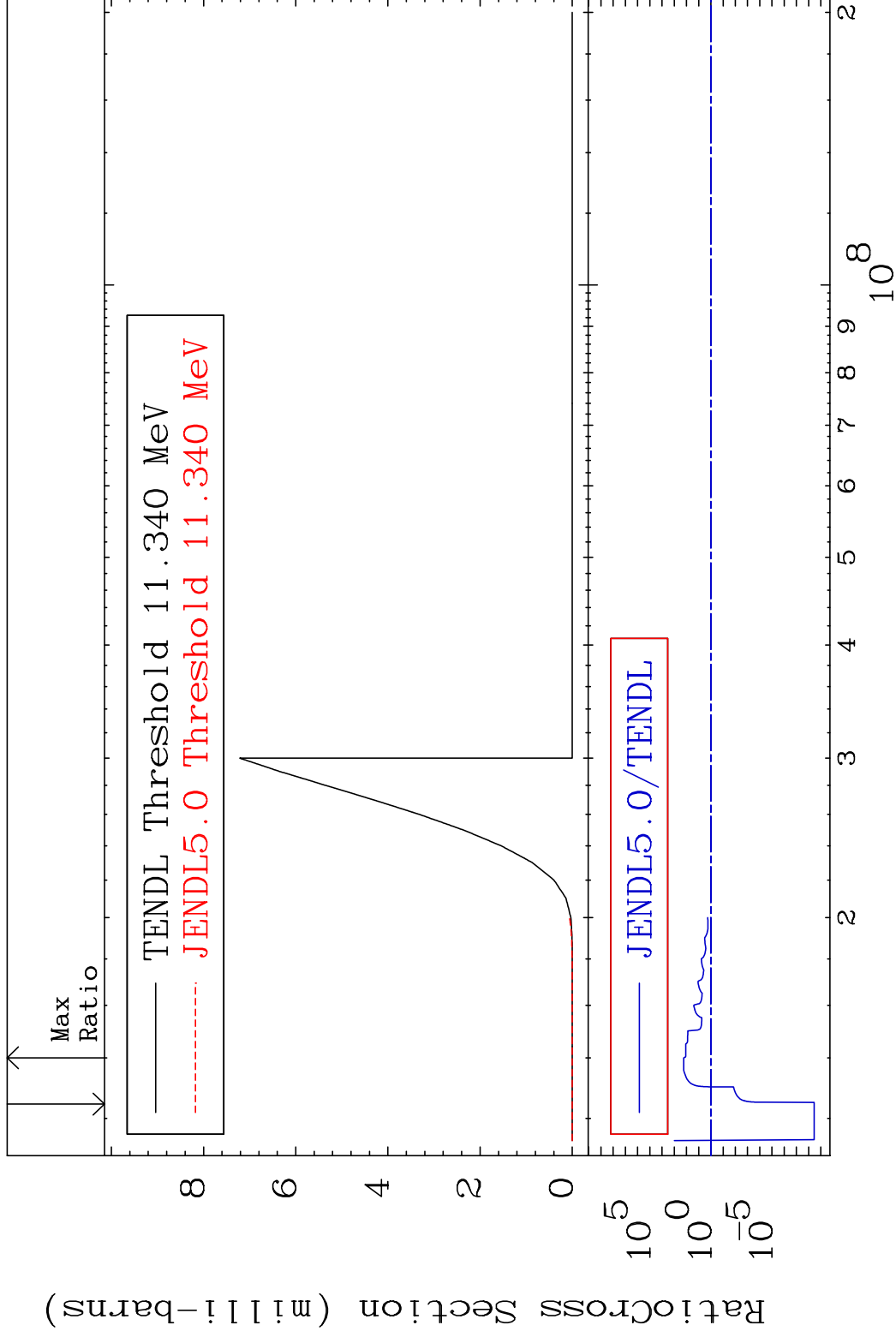
63-Eu-153

MAT 6331

(n, n') t

63-Eu-153

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

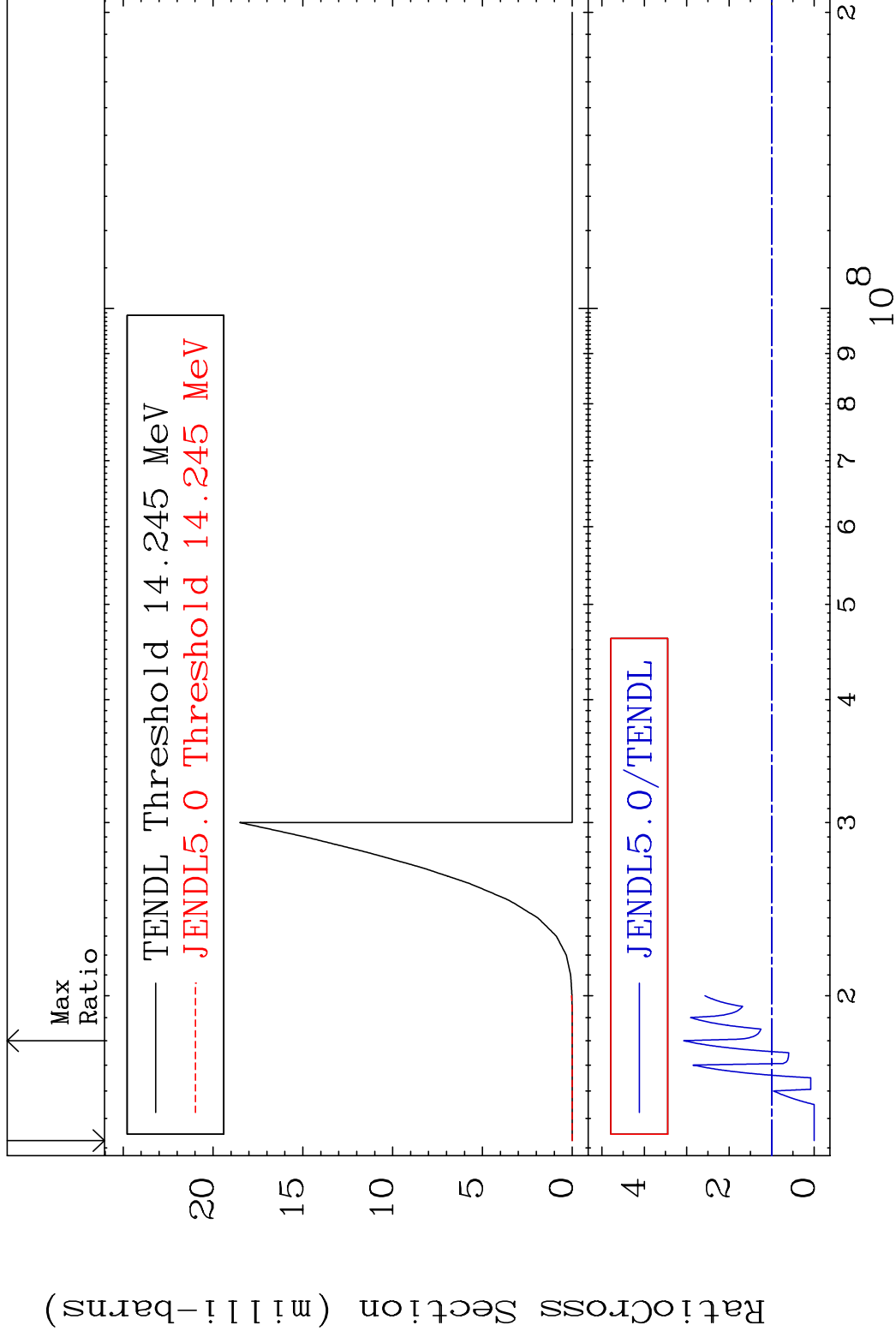
63-Eu-153

MAT 6331

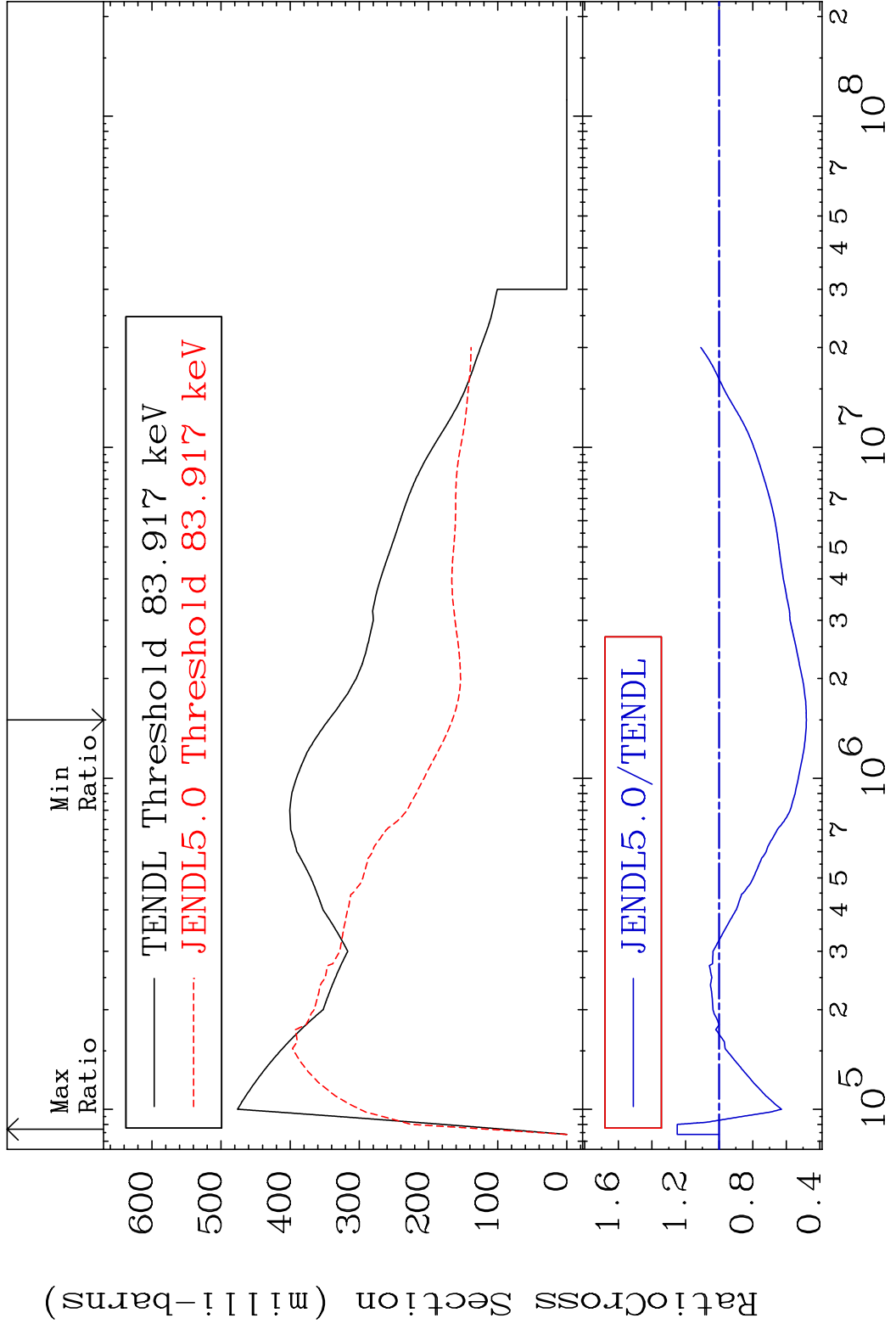
(n,2n) p

63-Eu-153

Cross Section -100.0 To 207.3 %

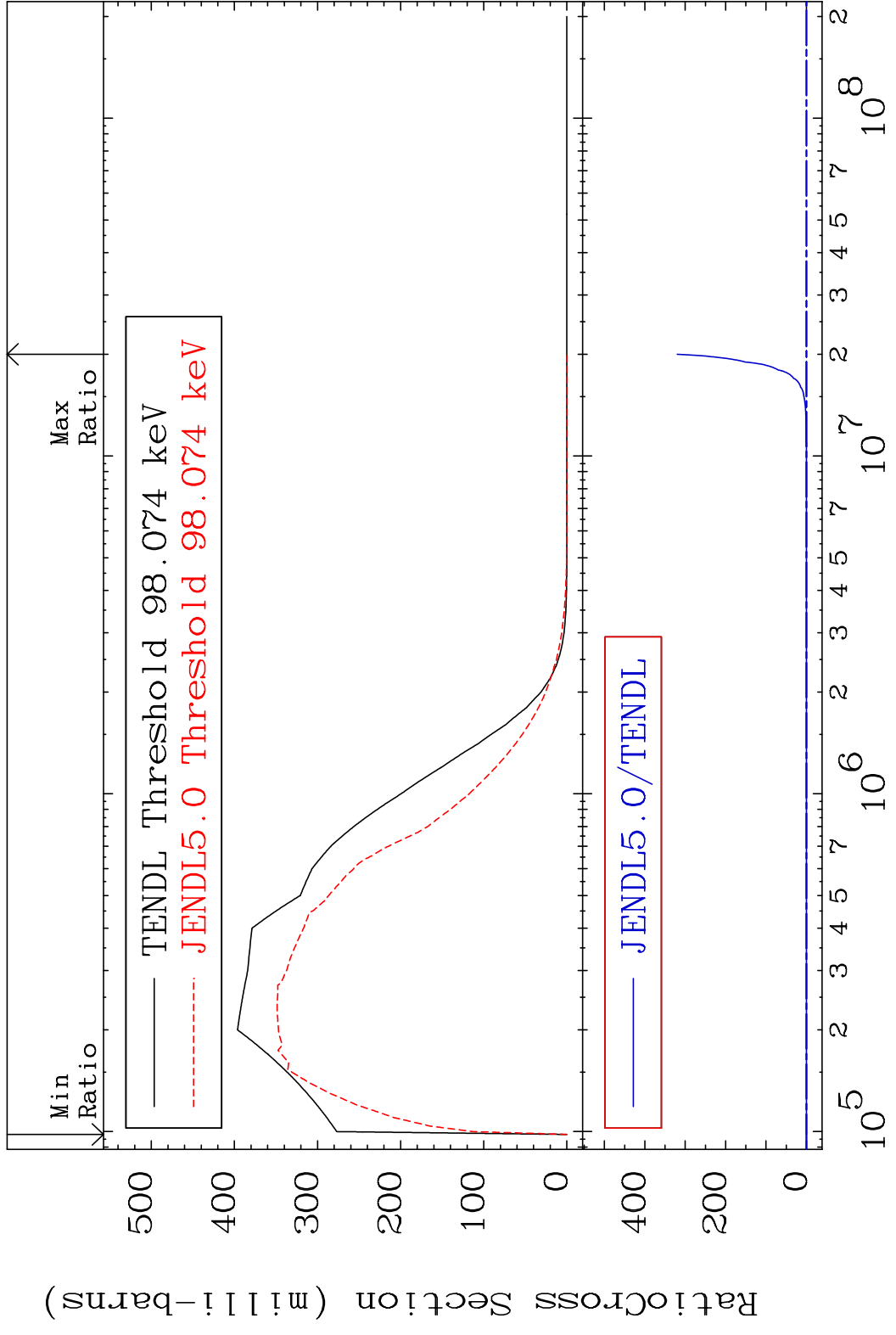


MAT 6331 MT= 51 (n, n') Level 63-Eu-153
 Cross Section -51.96 To 24.97 %



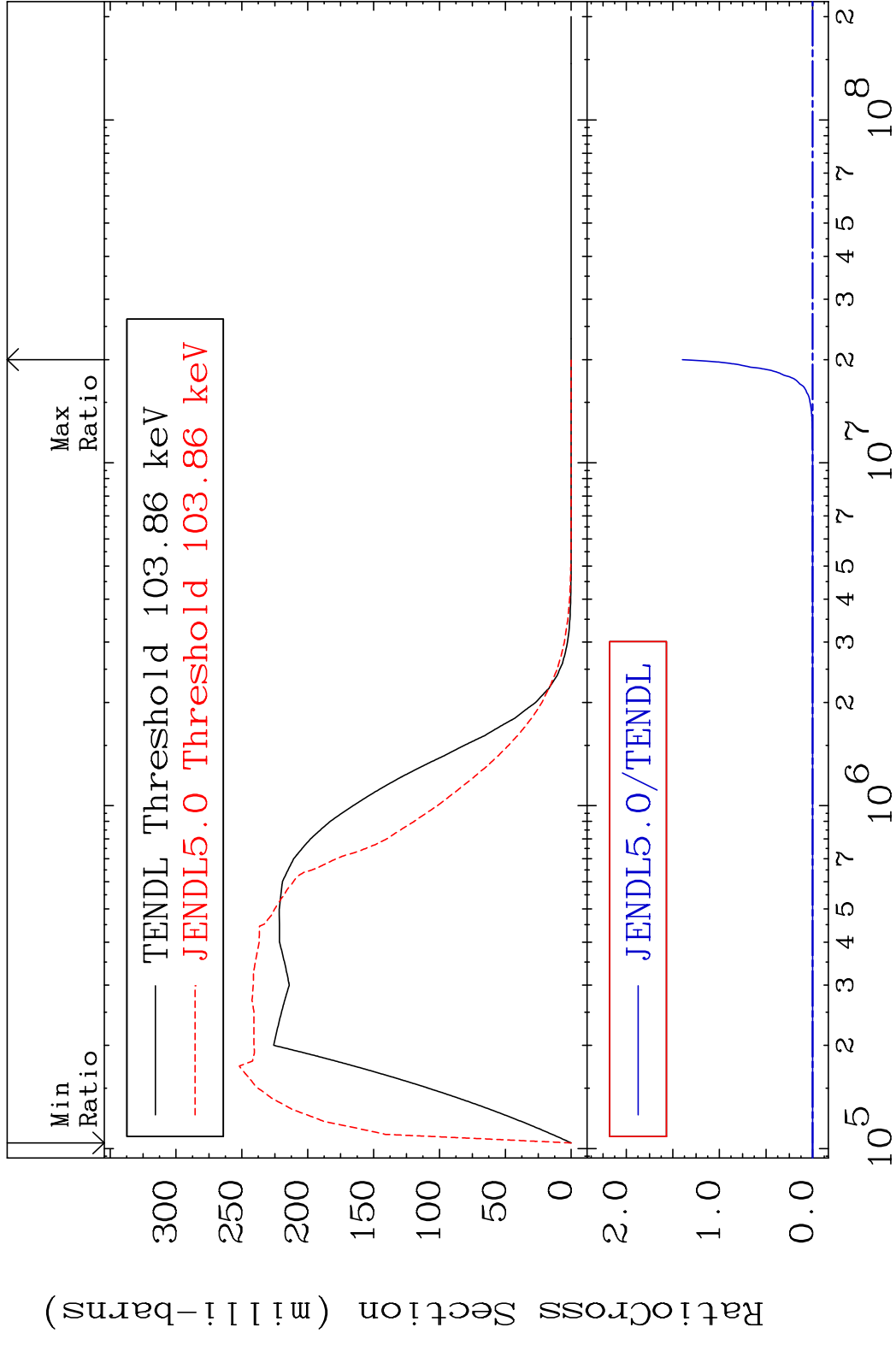
12 Incident Energy (eV) 63-Eu-153

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



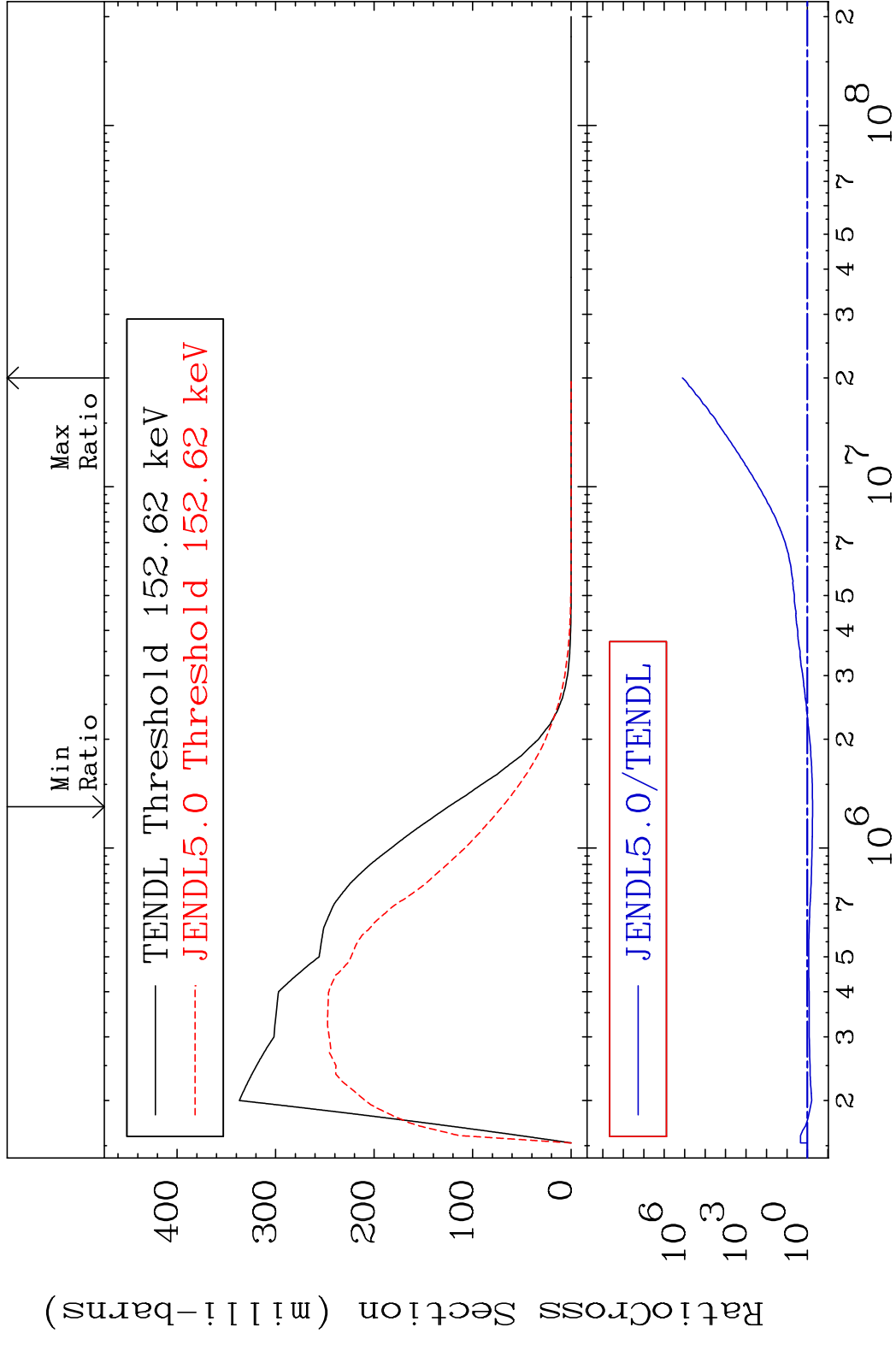
13 Incident Energy (eV) 63-Eu-153

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

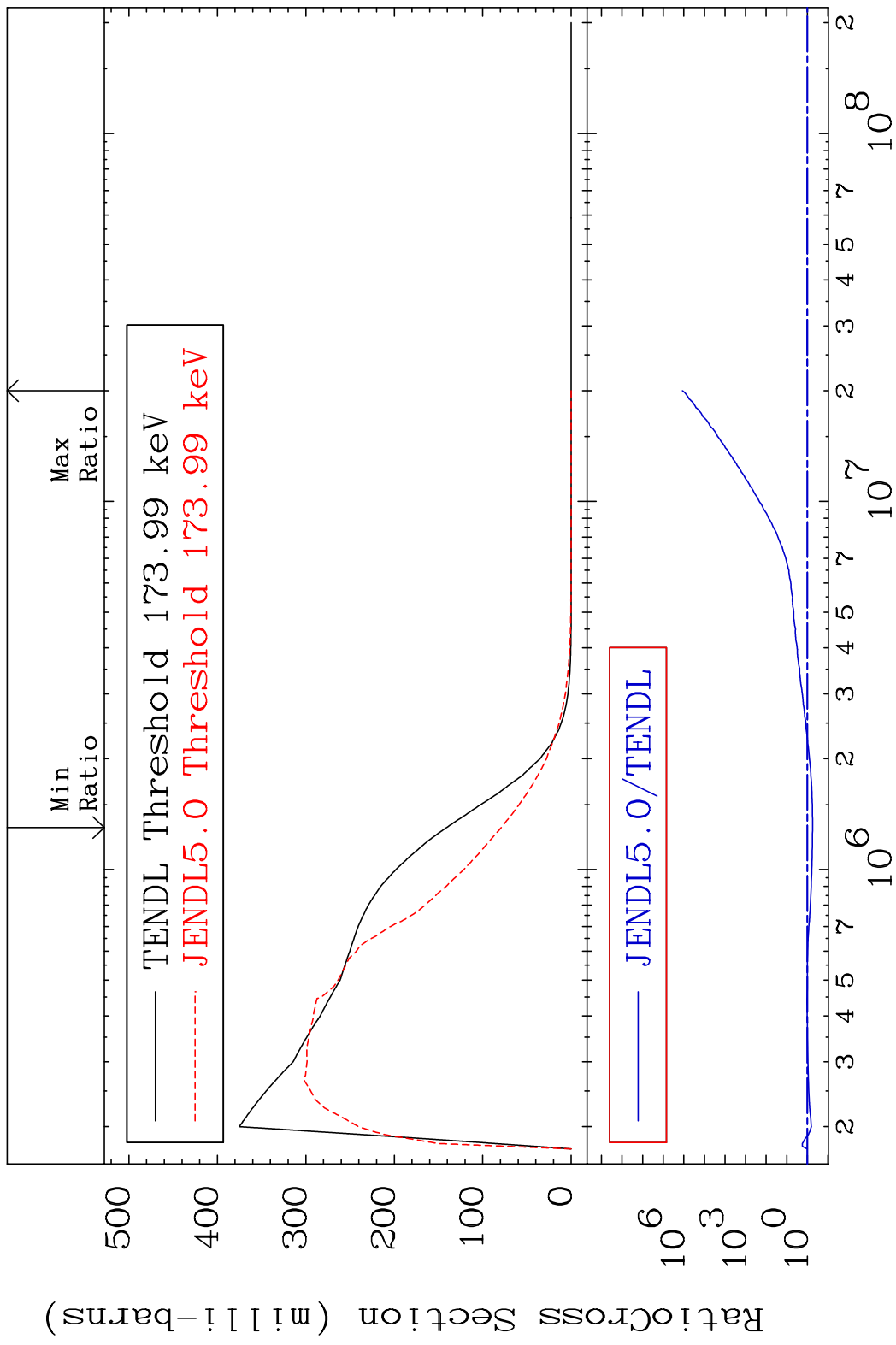


14 Incident Energy (eV) 63-Eu-153

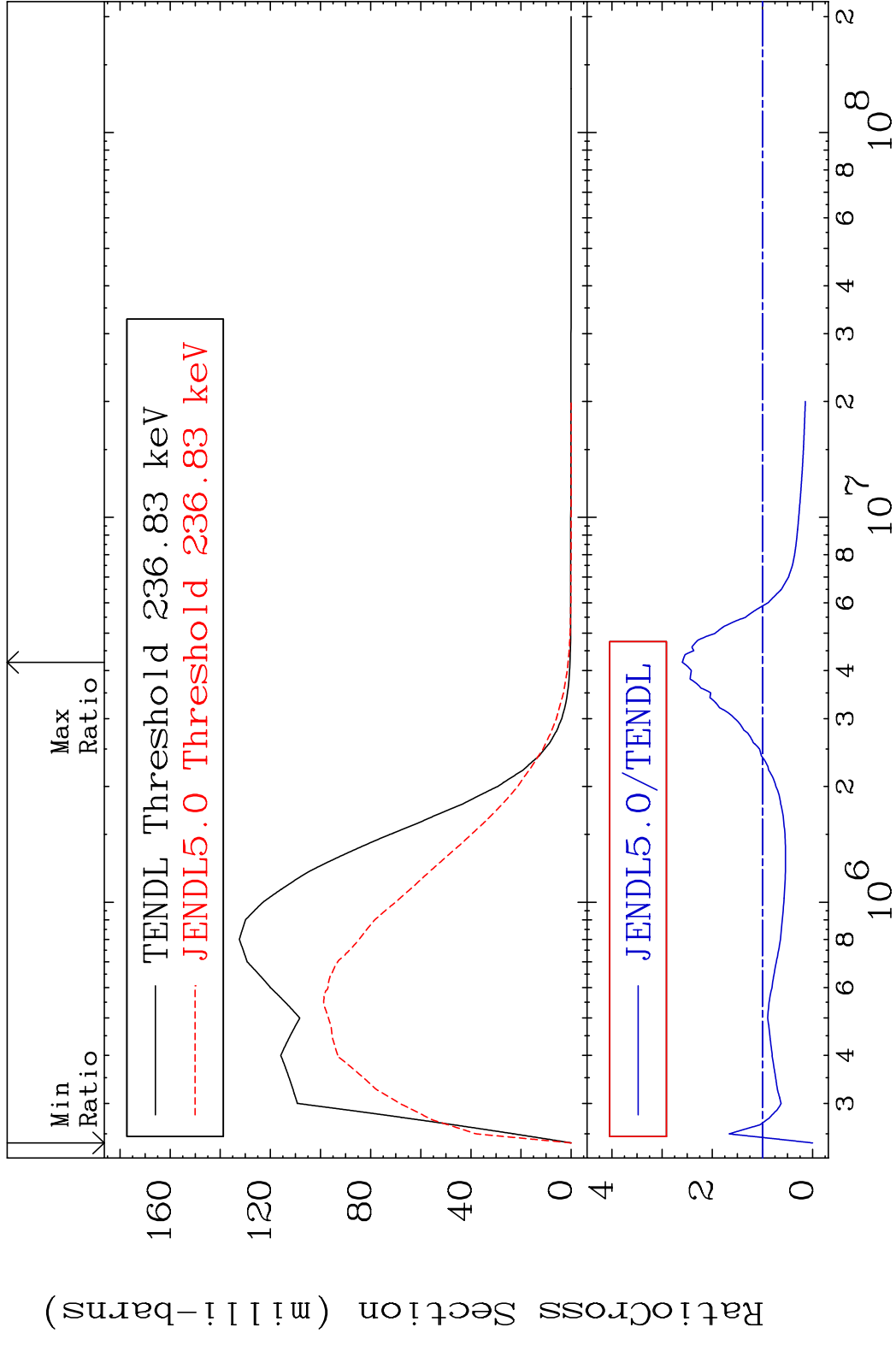
MAT 6331 MT= 54 (n,n') Level 63-Eu-153
 Cross Section -43.95 To 9999. %



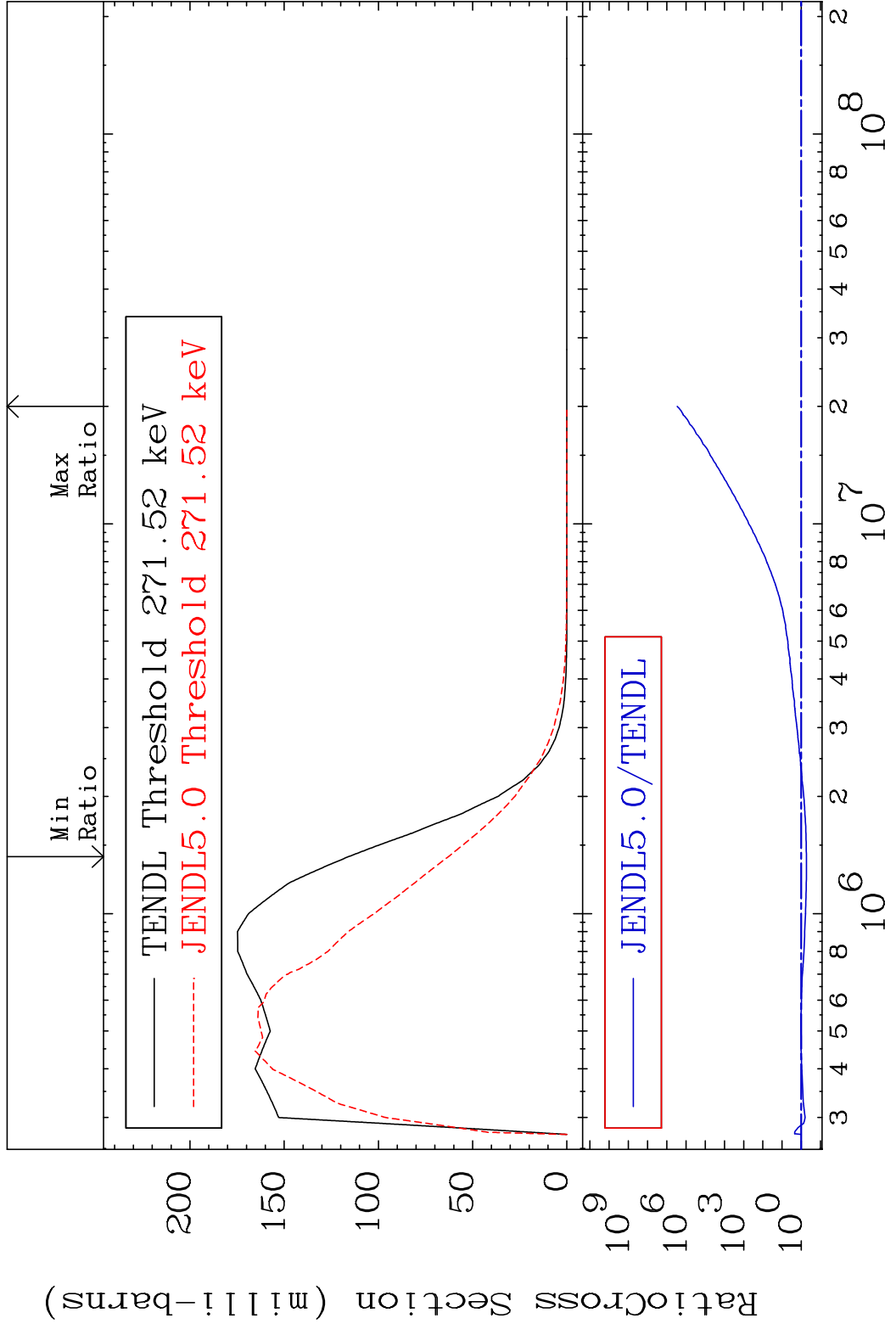
MAT 6331 MT= 55 (n,n') Level 63-Eu-153
 Cross Section -43.87 To 9999. %



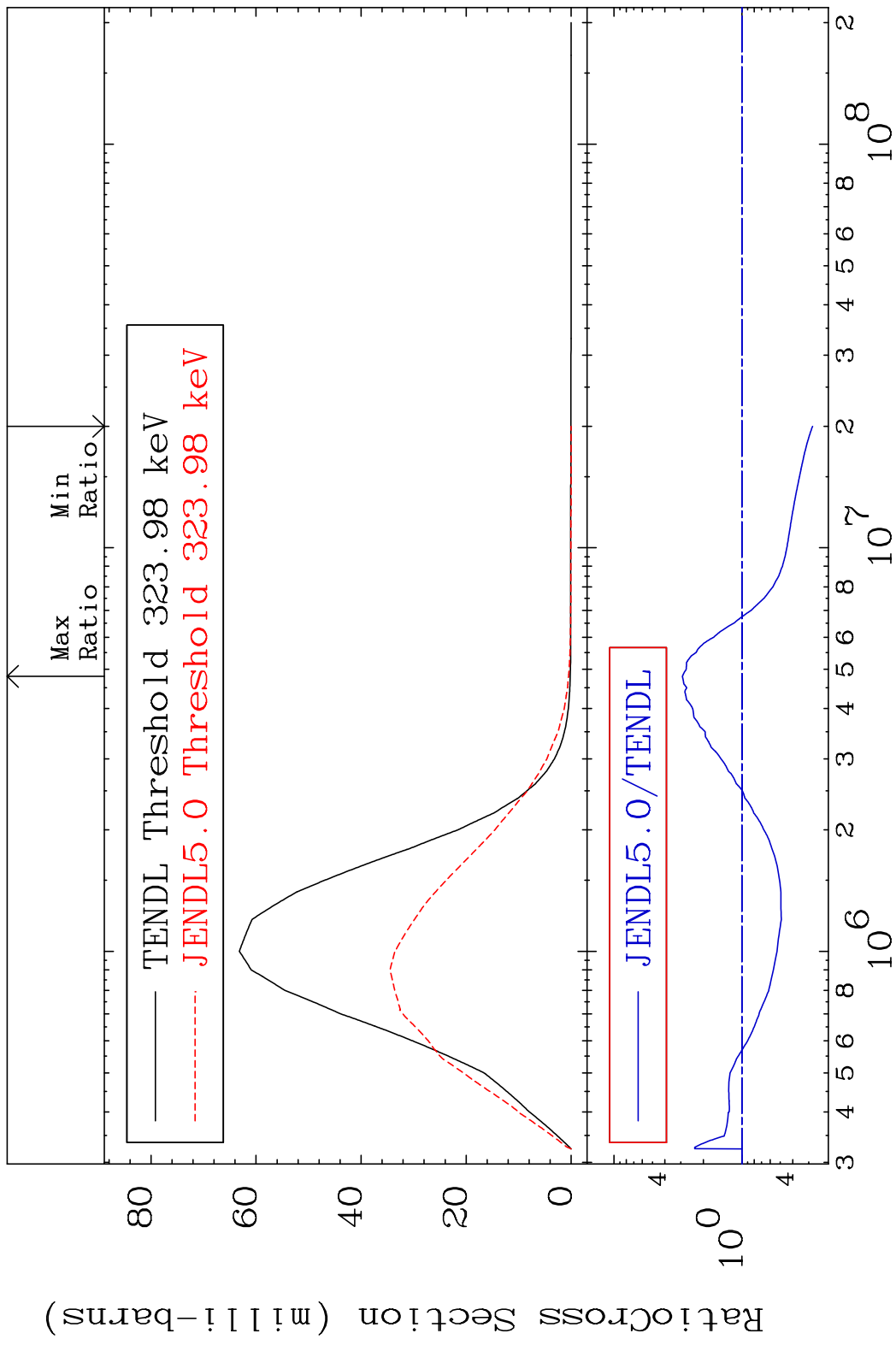
MAT 6331 MT= 57 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 159.5 %



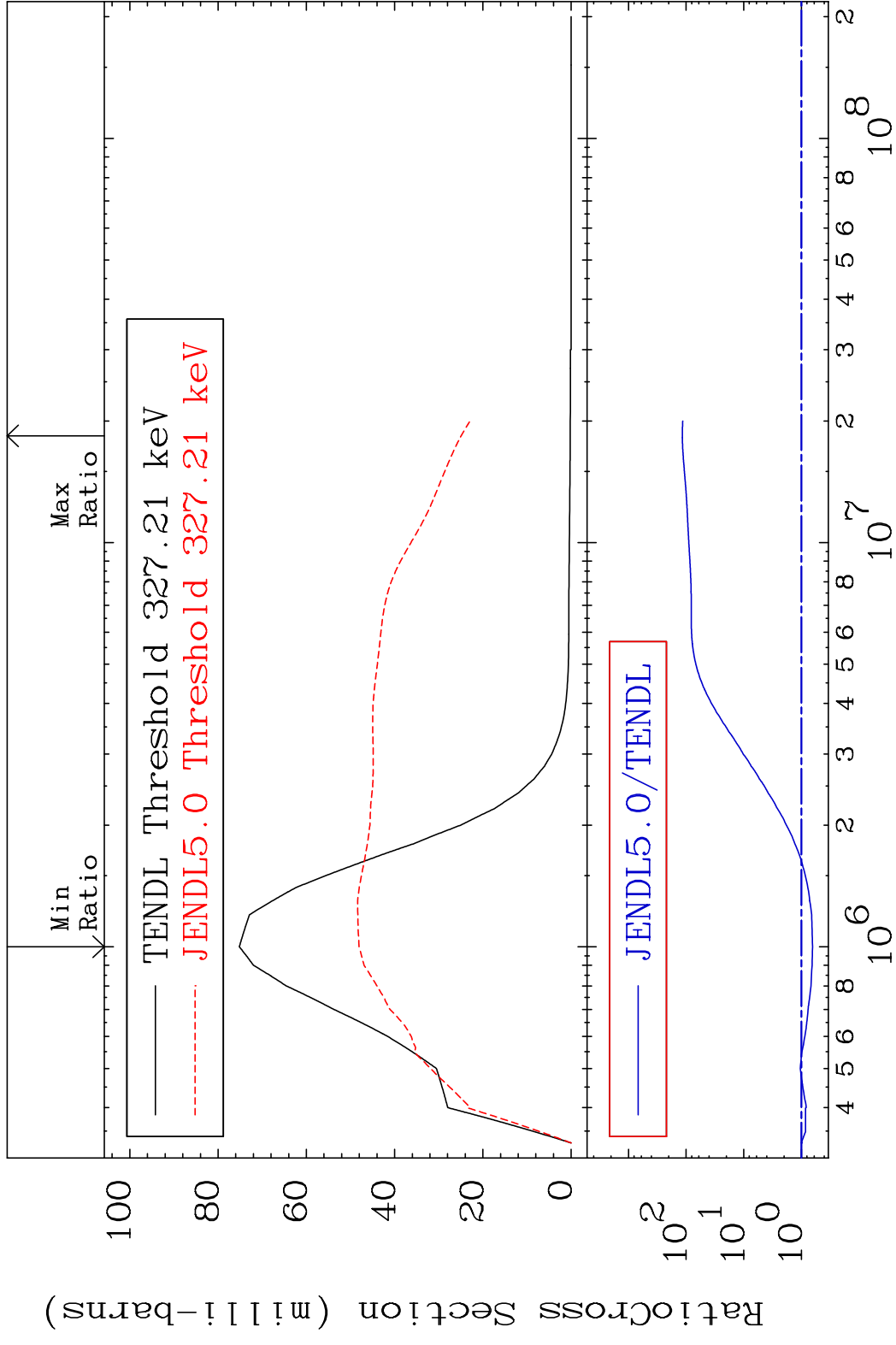
MAT 6331 MT= 58 (n, n') Level 63-Eu-153
 Cross Section -45.72 To 9999. %



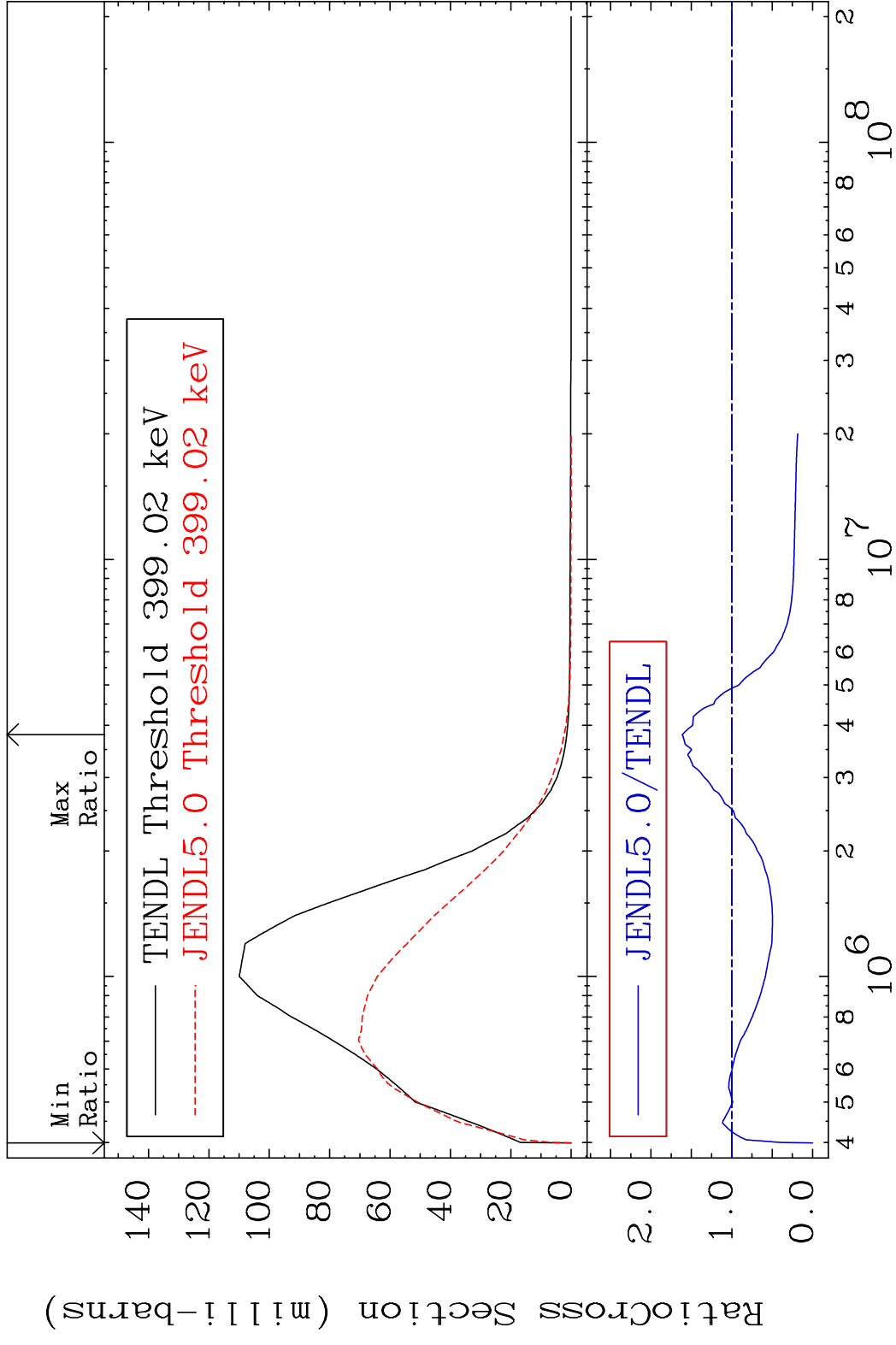
MAT 6331 MT= 59 (n, n') Level 63-Eu-153
 Cross Section -72.02 To 191.8 %



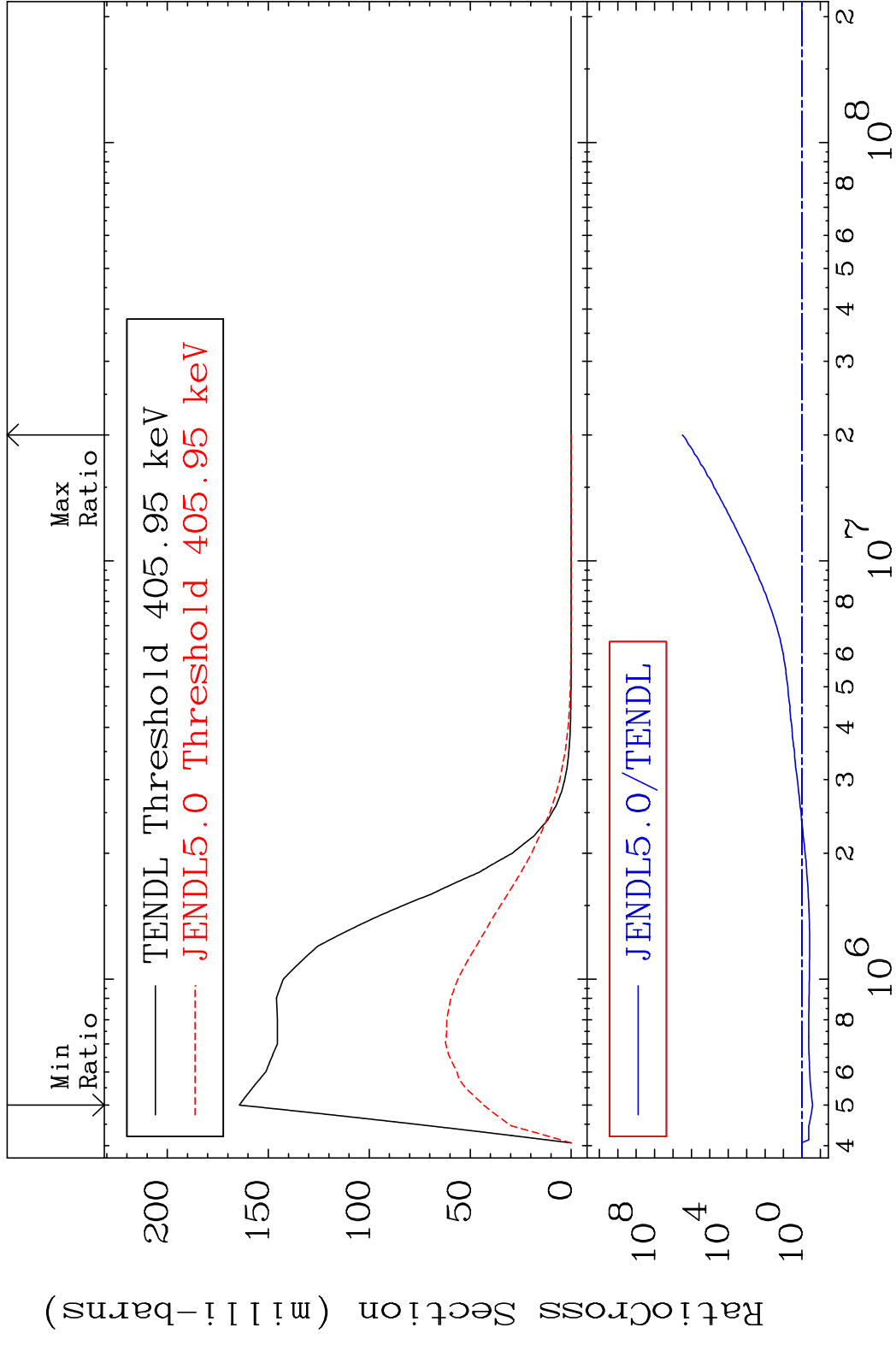
MAT 6331 MT= 60 (n, n') Level 63-Eu-153
 Cross Section -36.09 To 9999. %



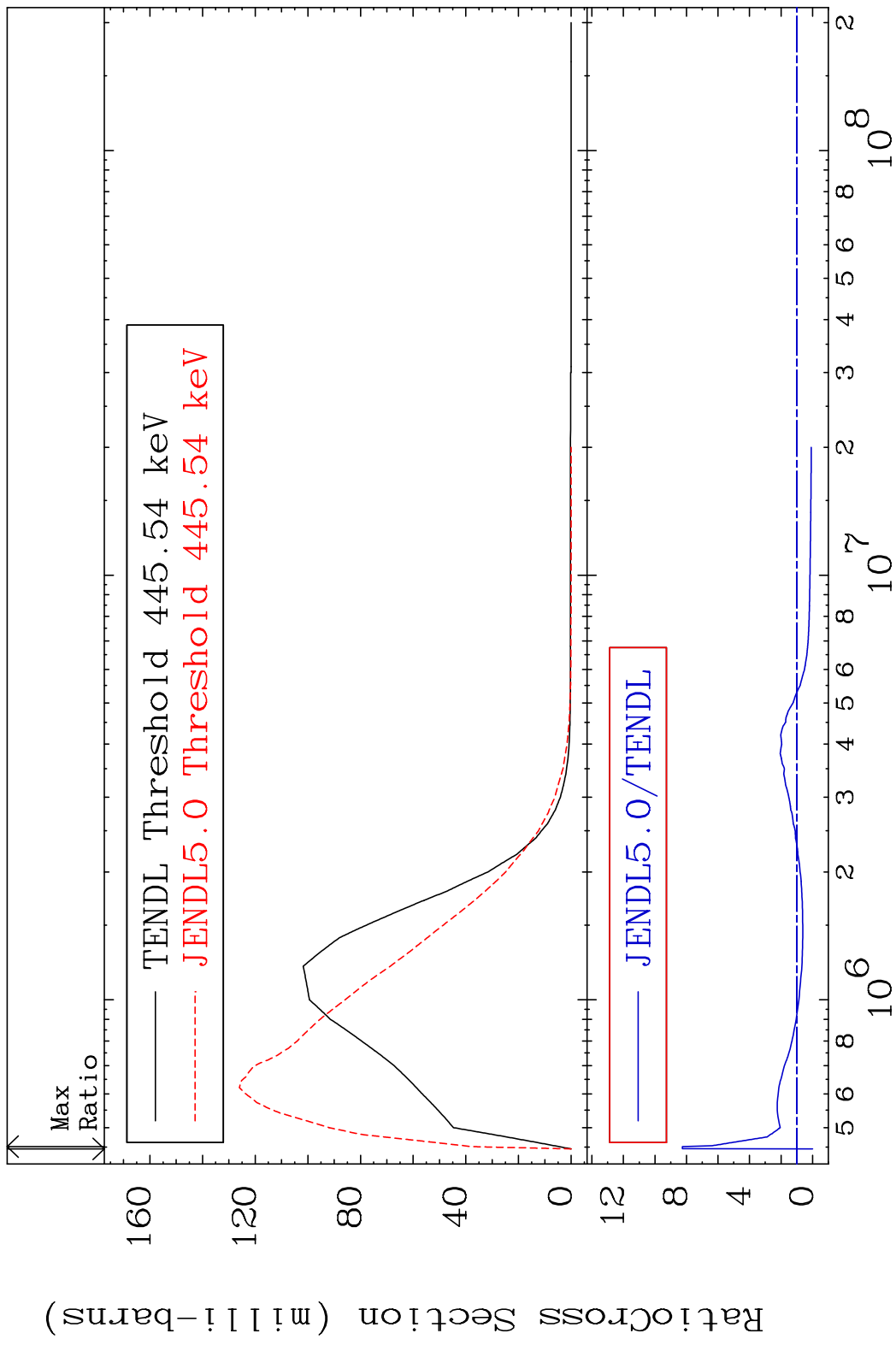
MAT 6331 MT= 61 (n,n') Level 63-Eu-153
 Cross Section -100.0 To 61.16 %



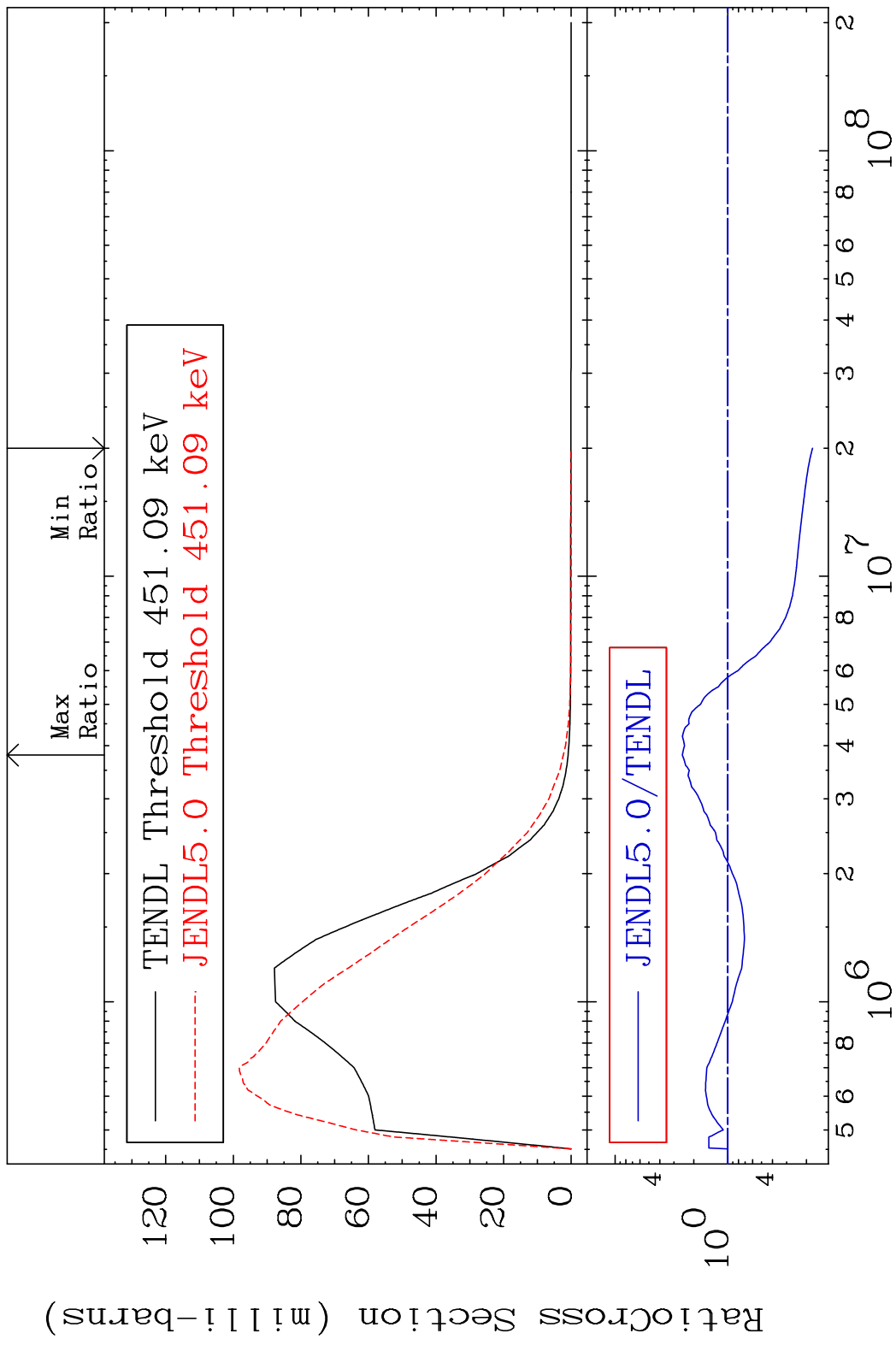
MAT 6331 MT= 62 (n, n') Level 63-Eu-153
 Cross Section -73.64 To 9999. %



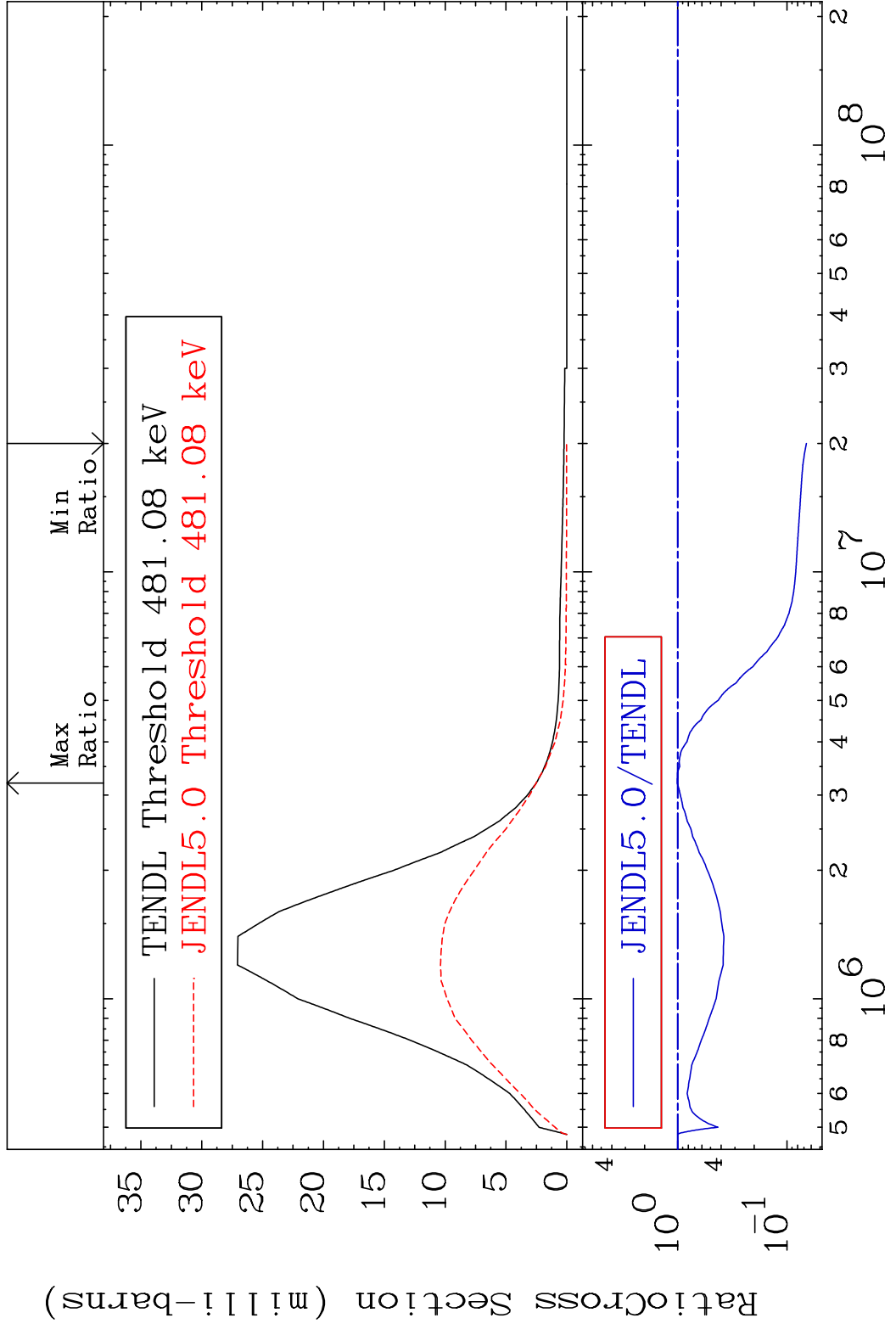
MAT 6331 MT= 63 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 726.1 %



MAT 6331 MT= 64 (n, n') Level 63-Eu-153
 Cross Section -82.36 To 152.5 %



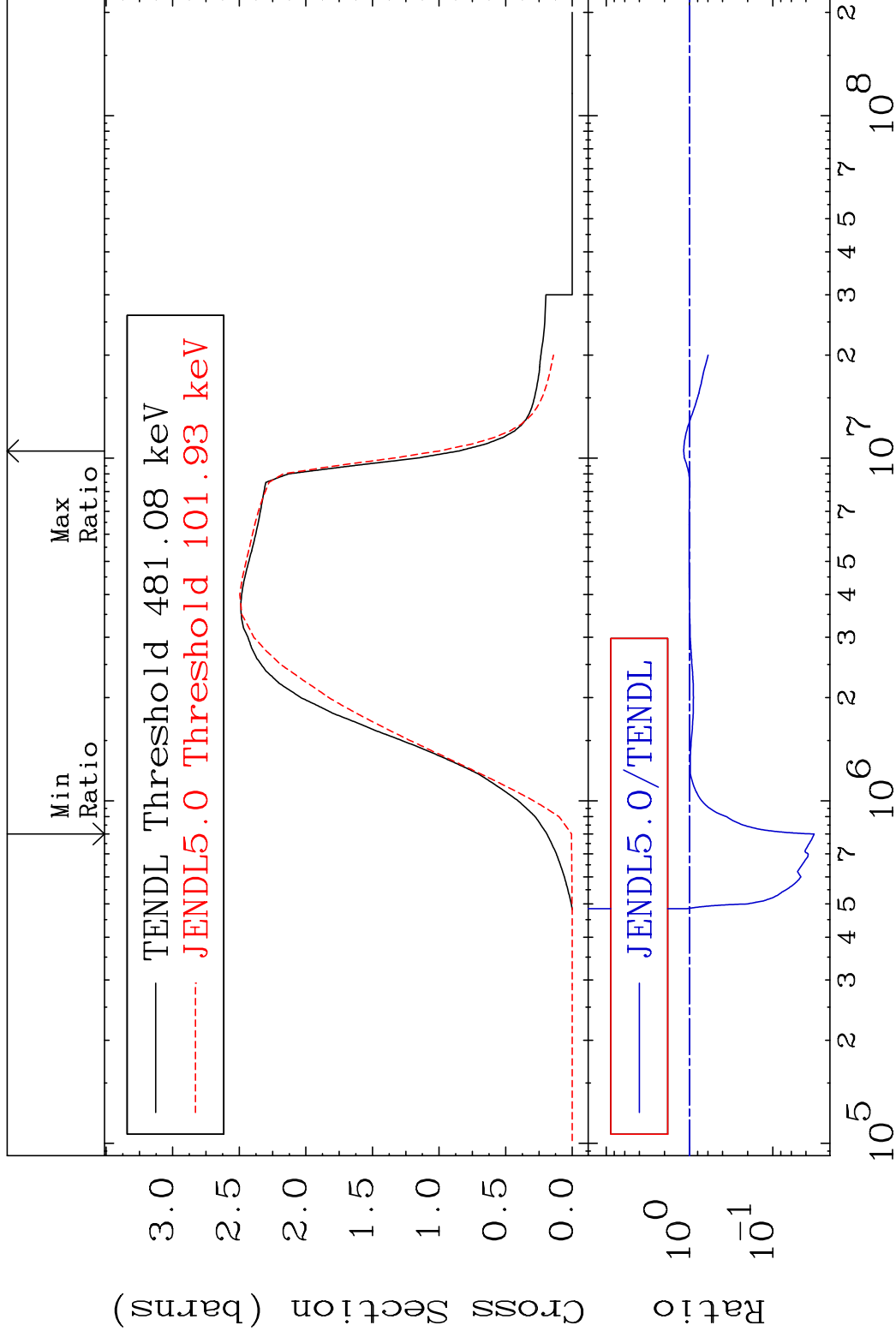
MAT 6331 MT= 65 (n, n') Level 63-Eu-153
 Cross Section -93.35 To 0.960 %



MAT 6331

(n, n') Continuum
Cross Section -96.81 To 17.50 %

63-Eu-153



27

Incident Energy (eV)

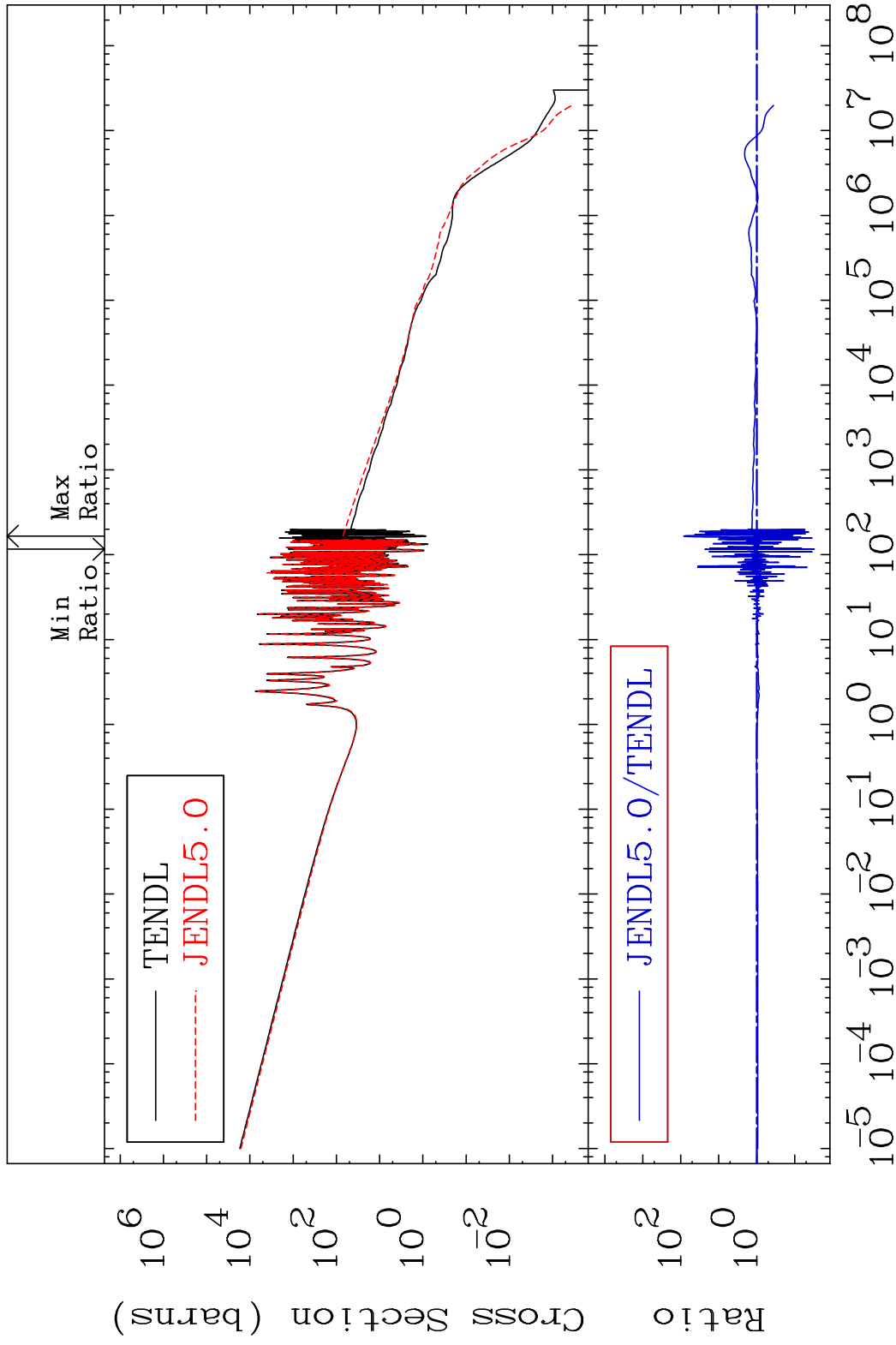
63-Eu-153

MAT 6331

(n, γ)

63-Eu-153

Cross Section -96.92 To 8295. %



28

Incident Energy (eV)

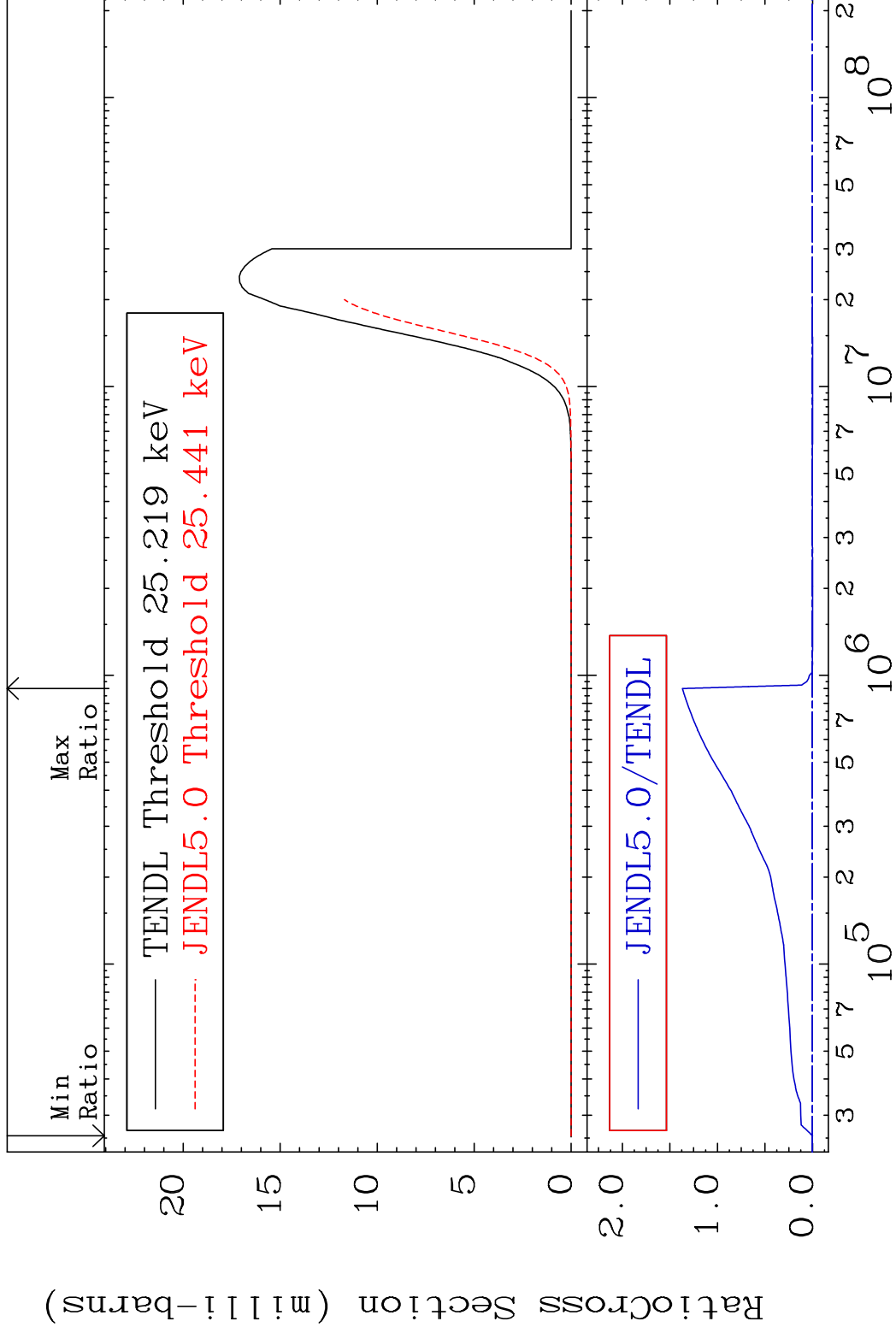
63-Eu-153

MAT 6331

(n,p)

63-Eu-153

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

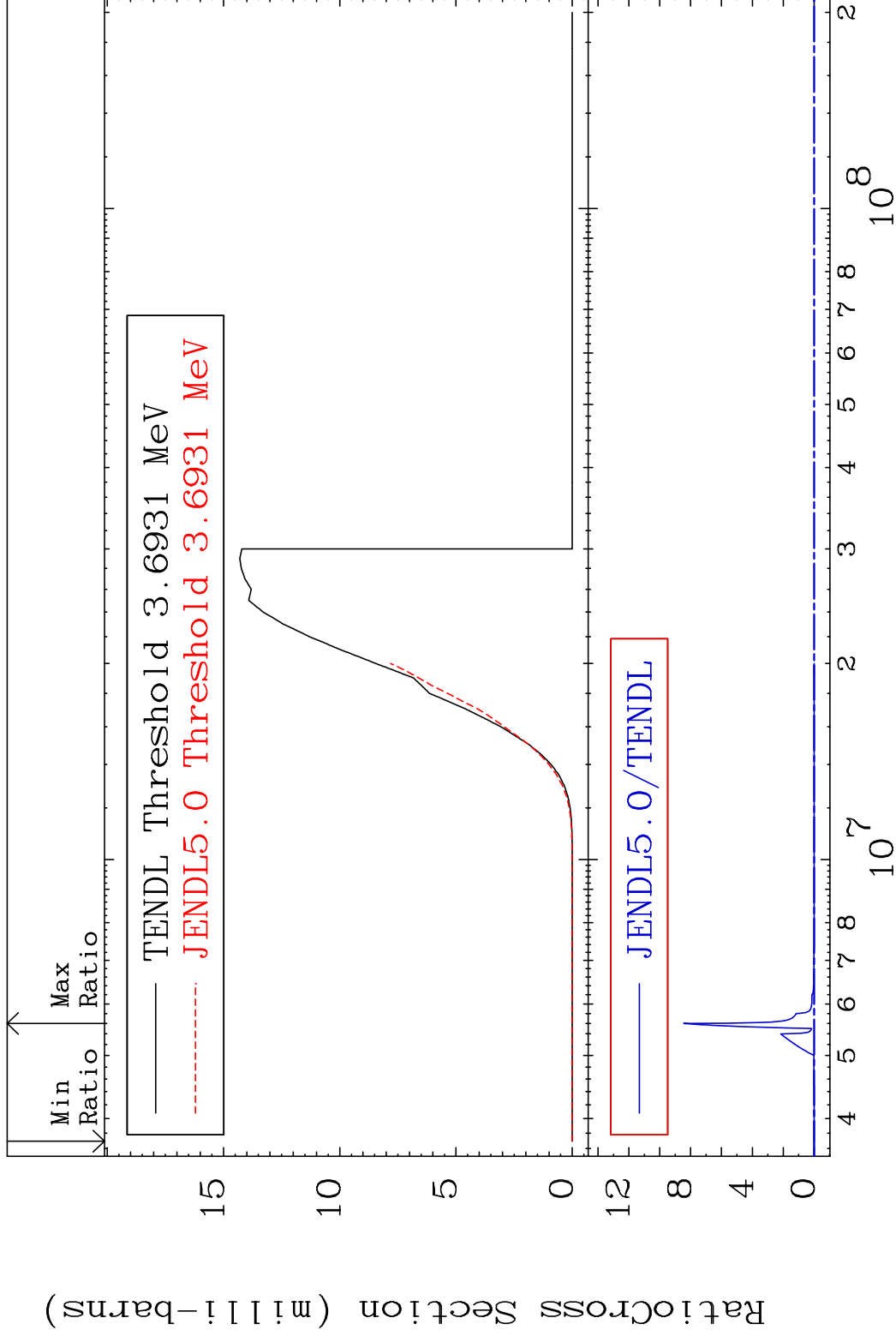
63-Eu-153

MAT 6331

(n,d)

63-Eu-153

Cross Section -100.0 To 9999. %

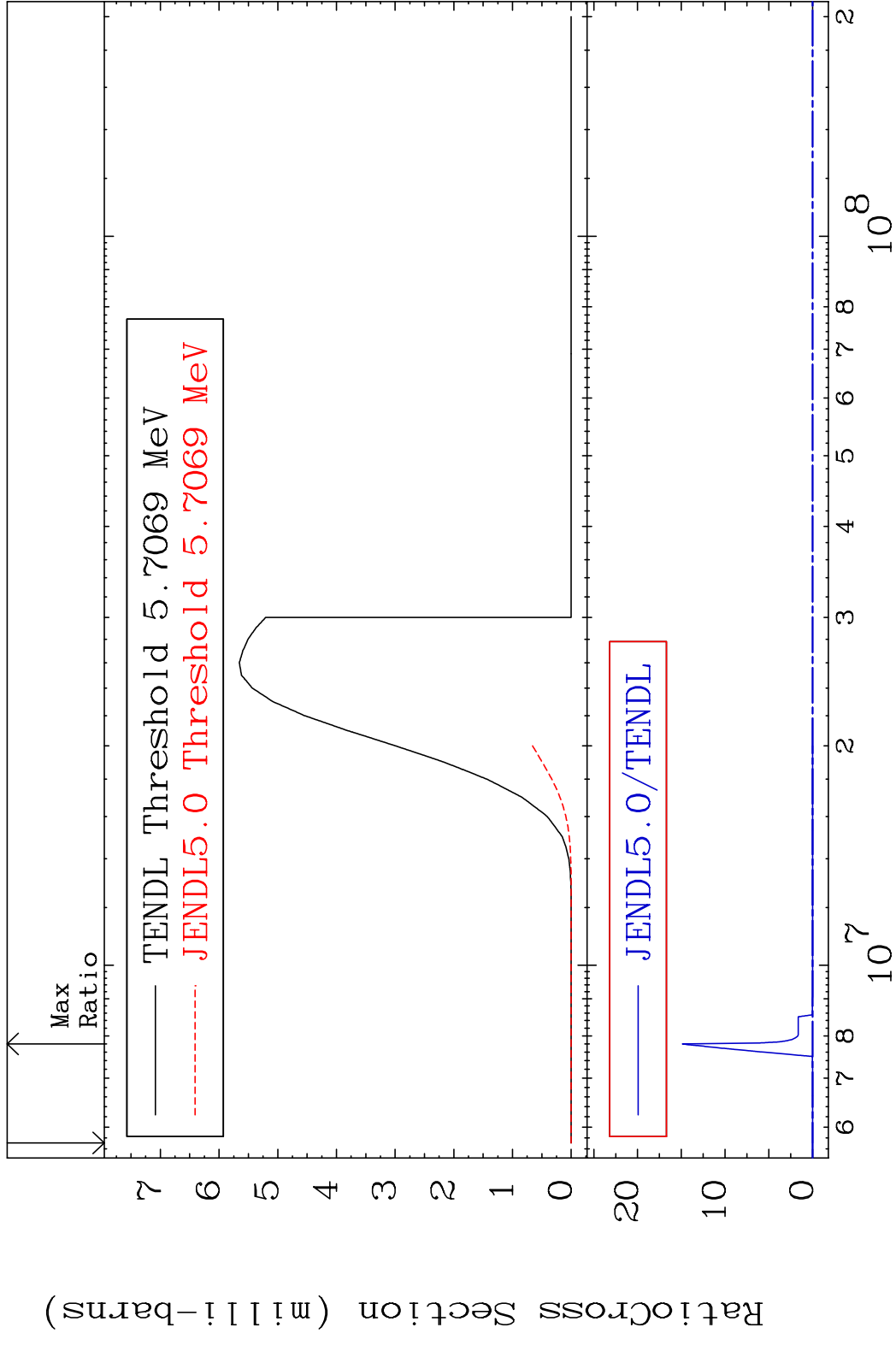


30

Incident Energy (eV)

63-Eu-153

MAT 6331 (n, t) 63-Eu-153
 Cross Section -100.0 To 9999. %

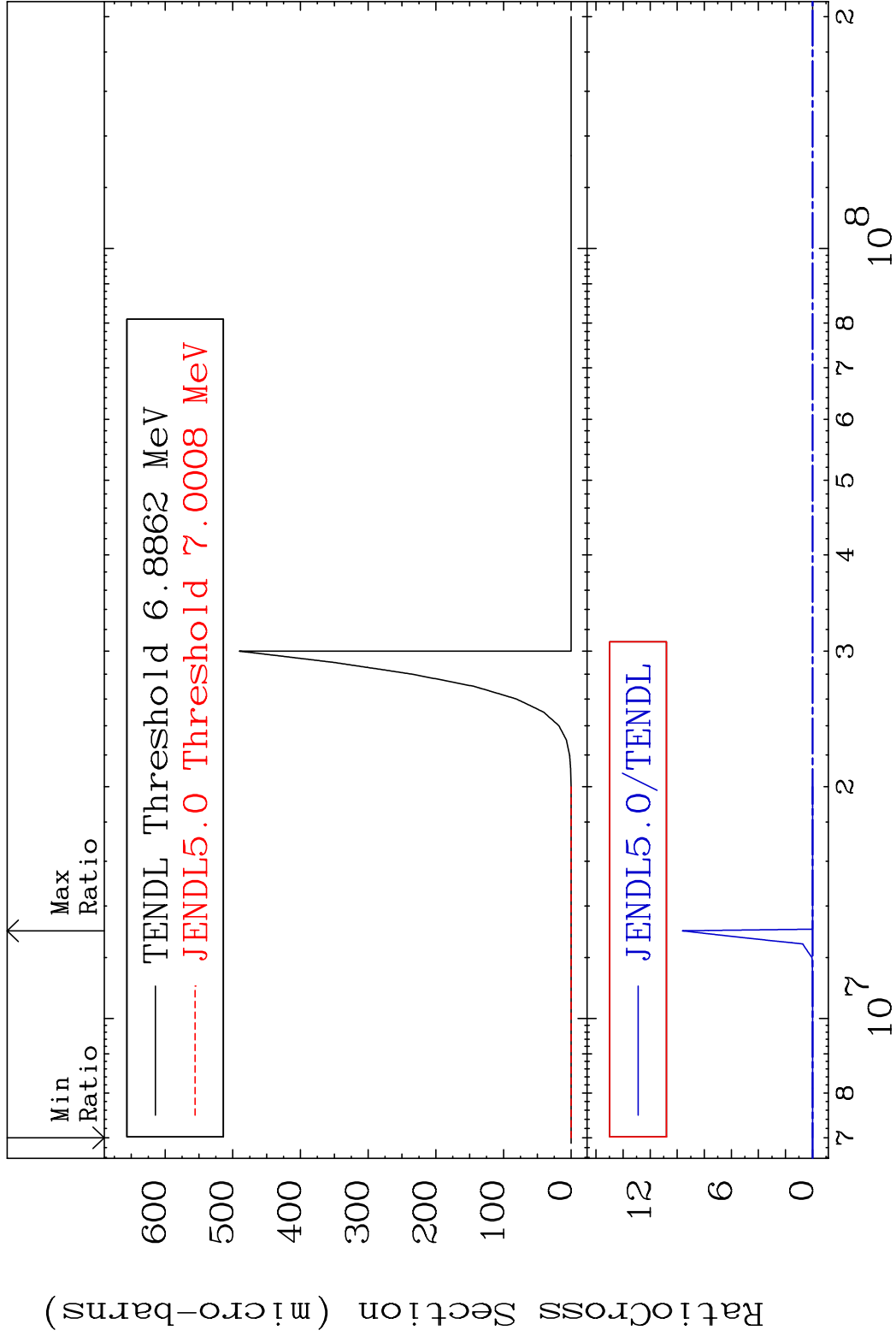


MAT 6331

(n, He-3)

63-Eu-153

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

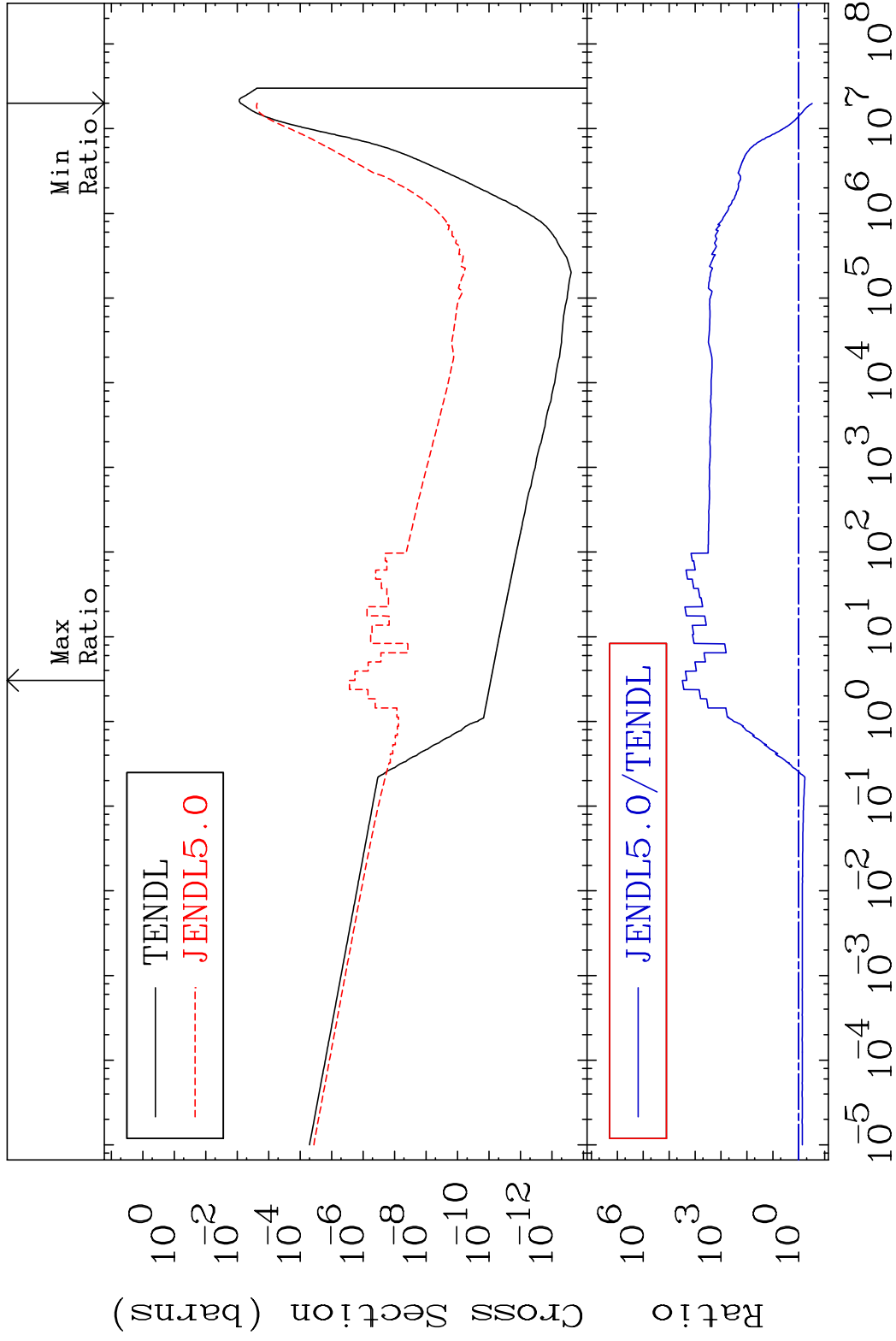
63-Eu-153

MAT 6331

(n, α)

63-Eu-153

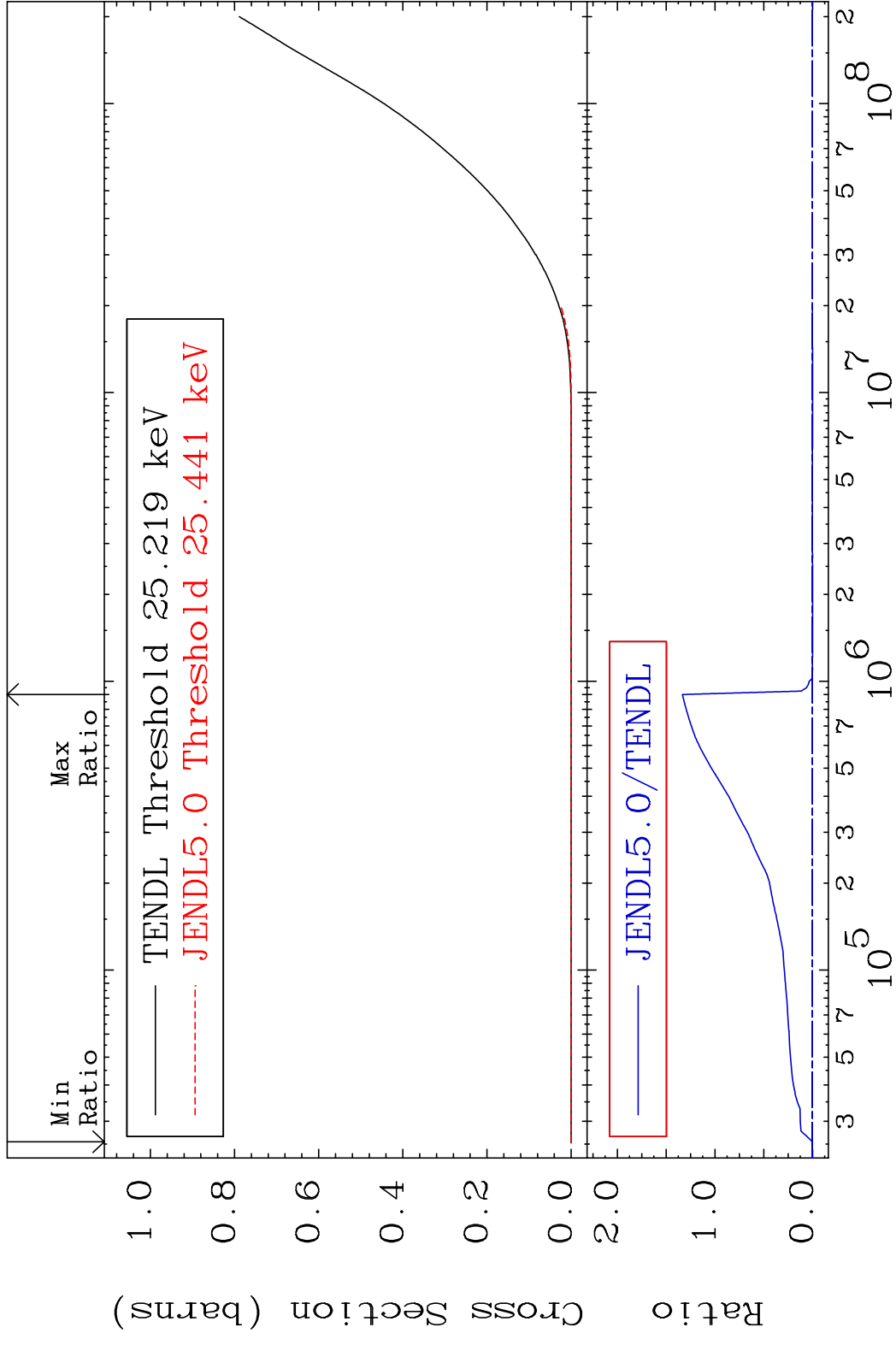
Cross Section -70.55 To 9999. %



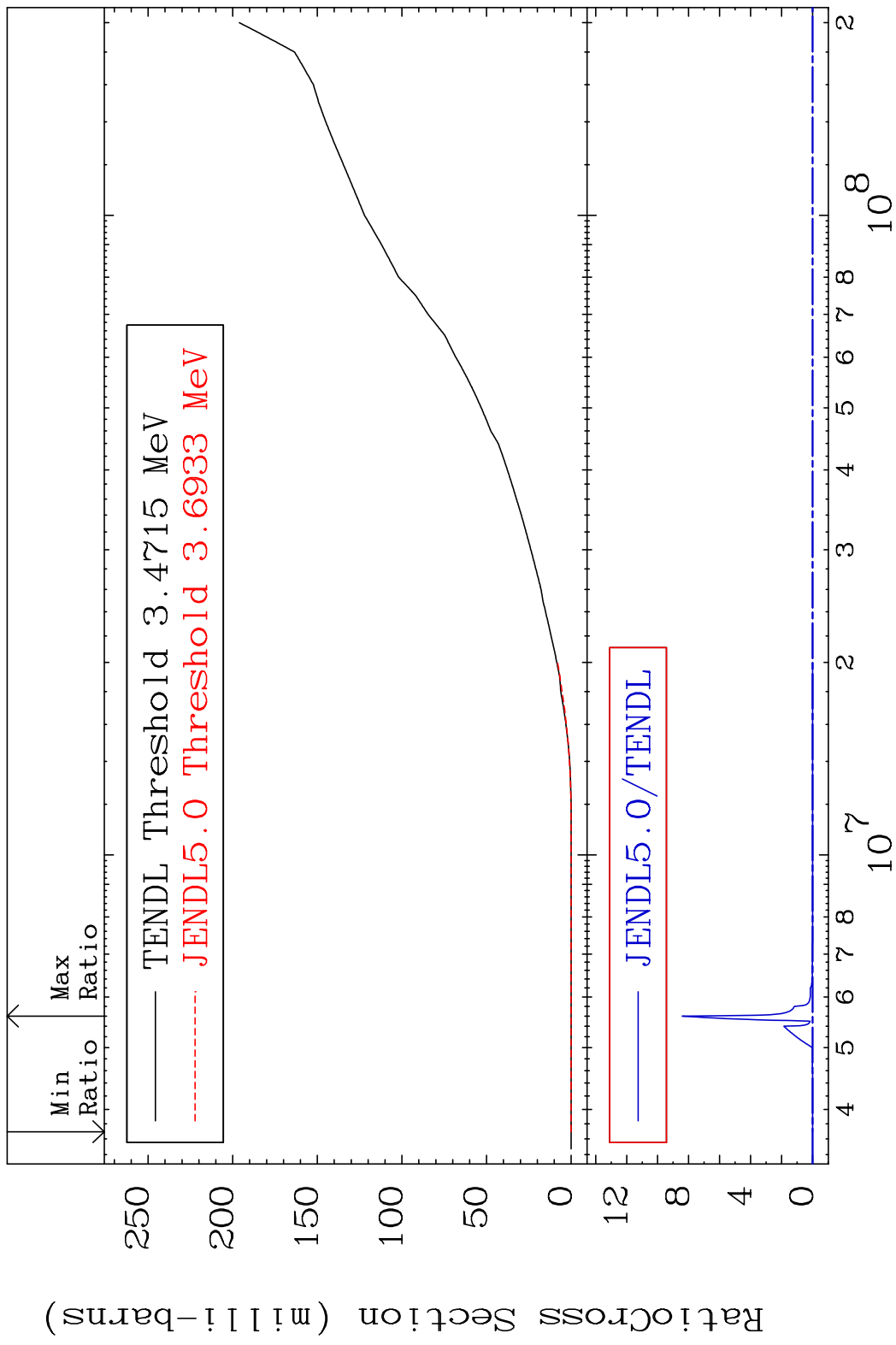
33

Incident Energy (eV)

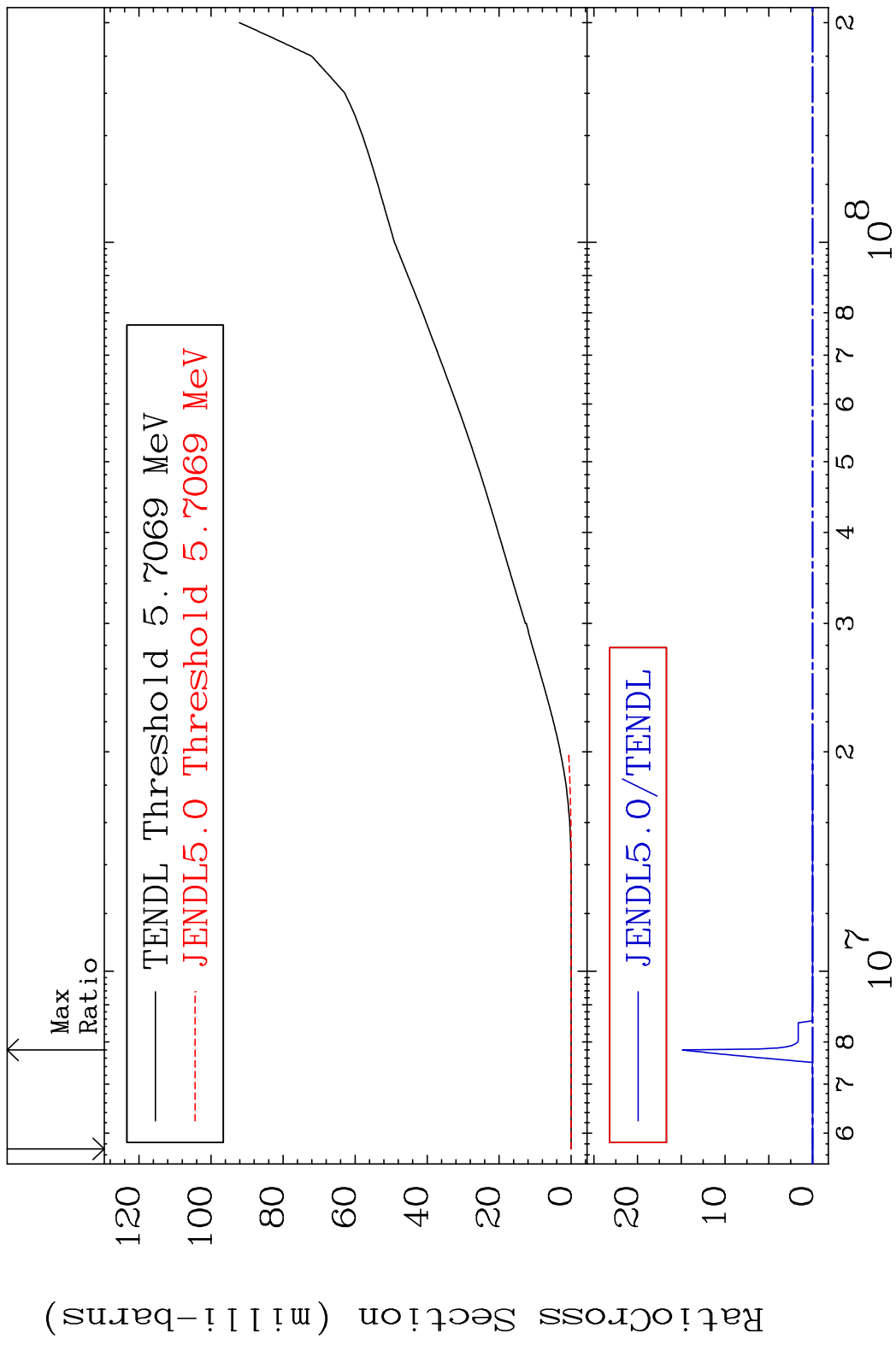
63-Eu-153



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. %



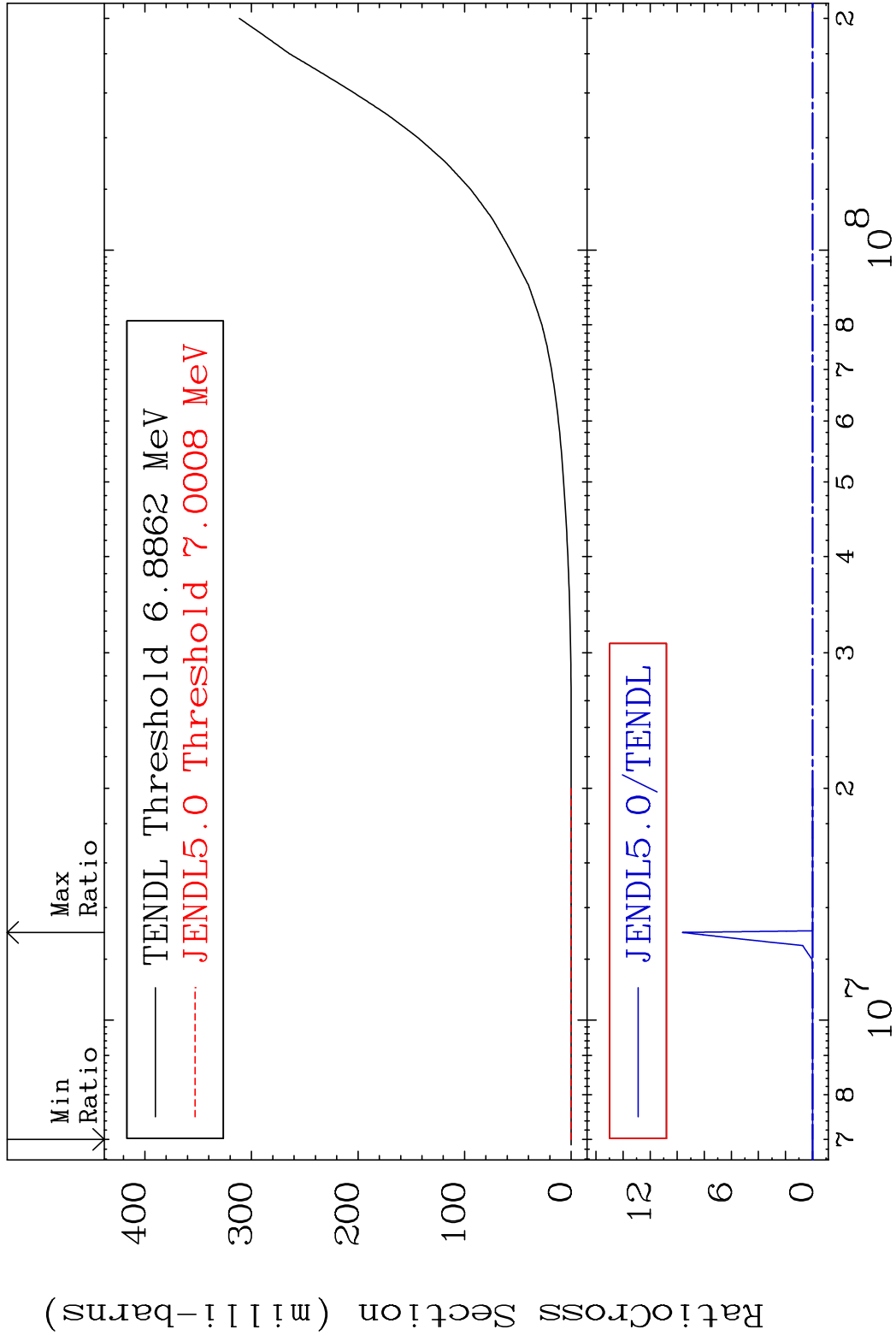
36 Incident Energy (eV) 63-Eu-153

MAT 6331

He-3 Production

63-Eu-153

Cross Section -100.0 To 9999. %

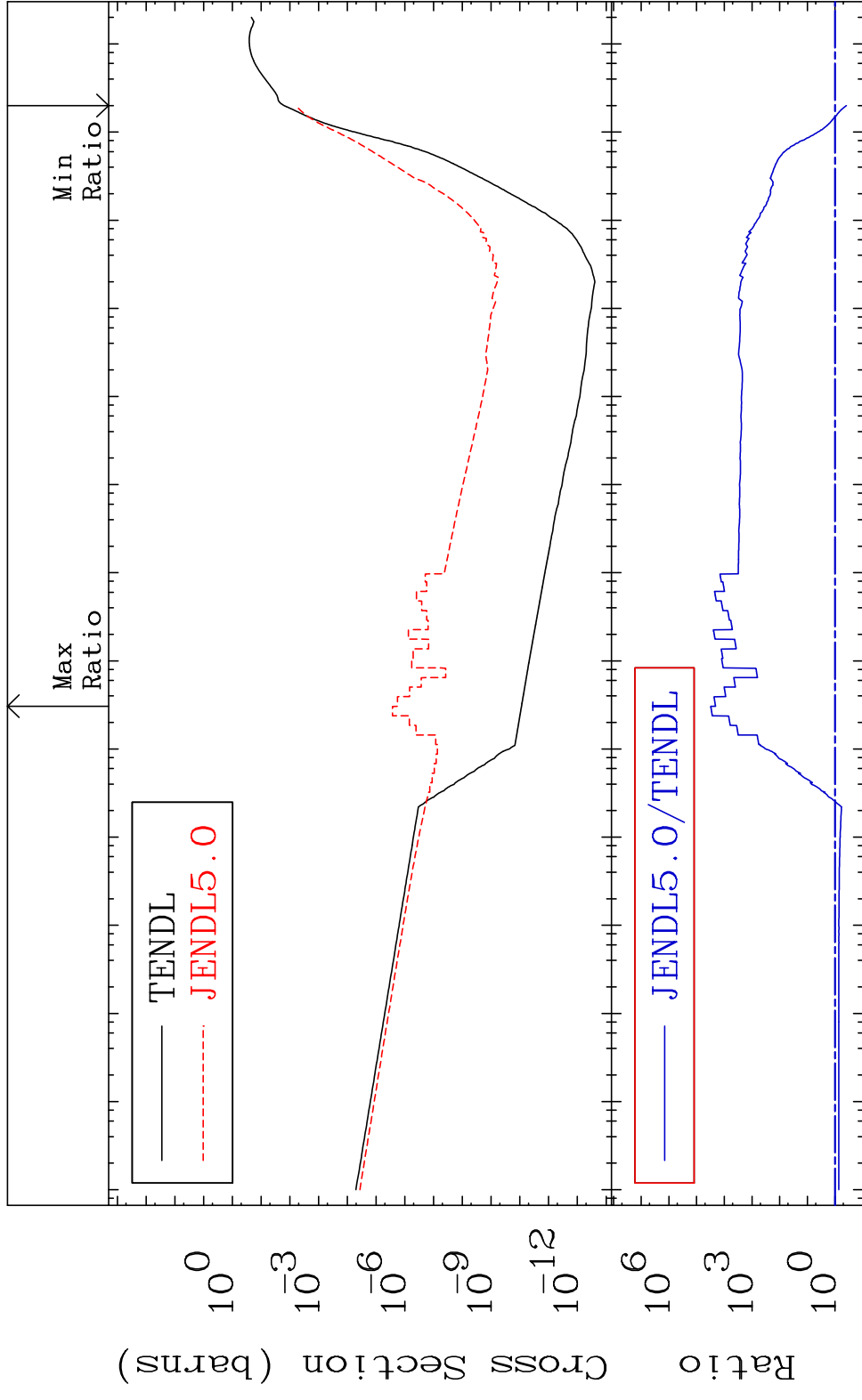


37

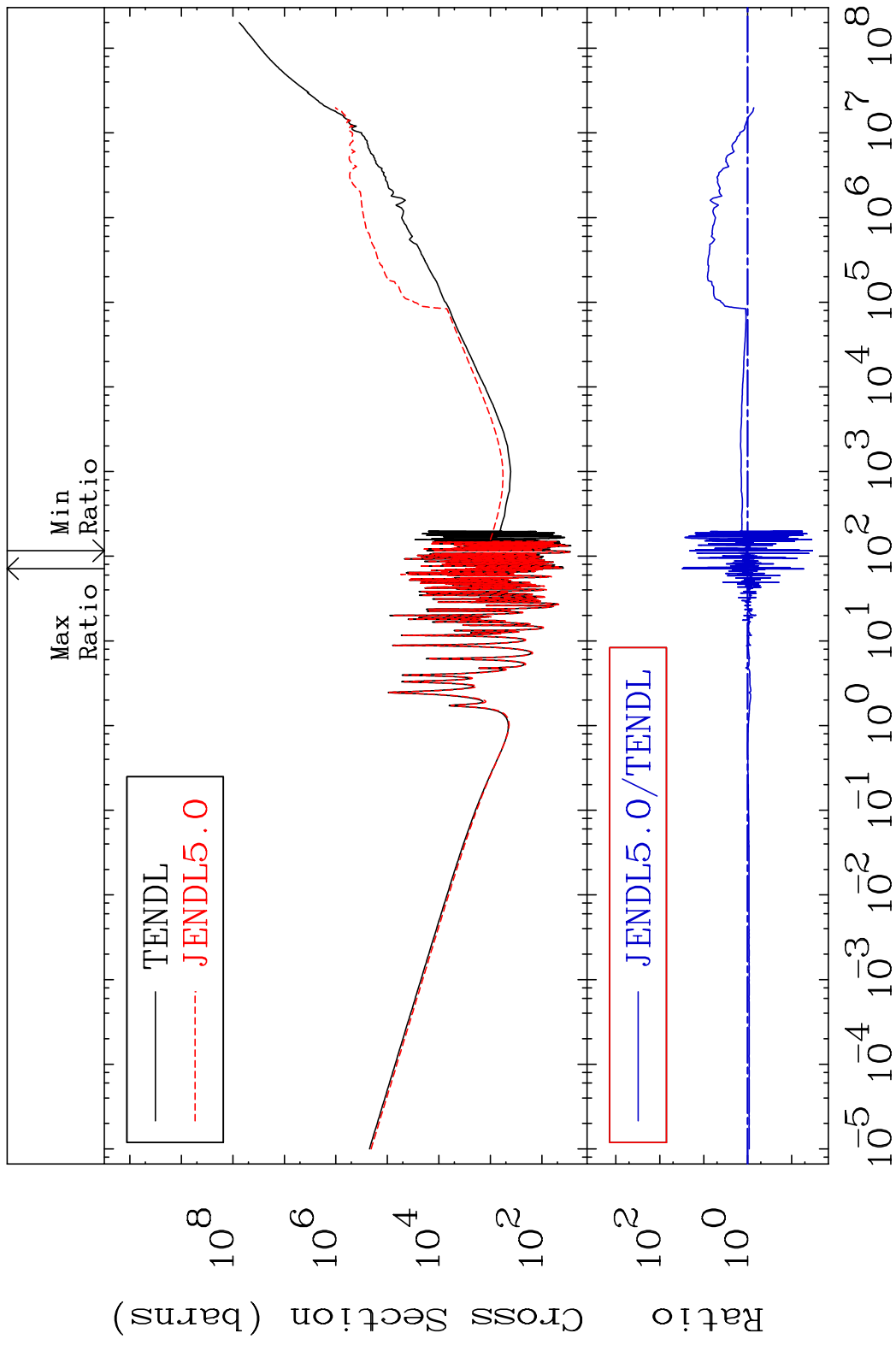
Incident Energy (eV)

63-Eu-153

MAT 6331 He-4 Production 63-Eu-153
 Cross Section -60.86 To 9999. %



MAT 6331 Kerma total (eV-barns) 63-Eu-153
 Cross Section -96.66 To 2964. %

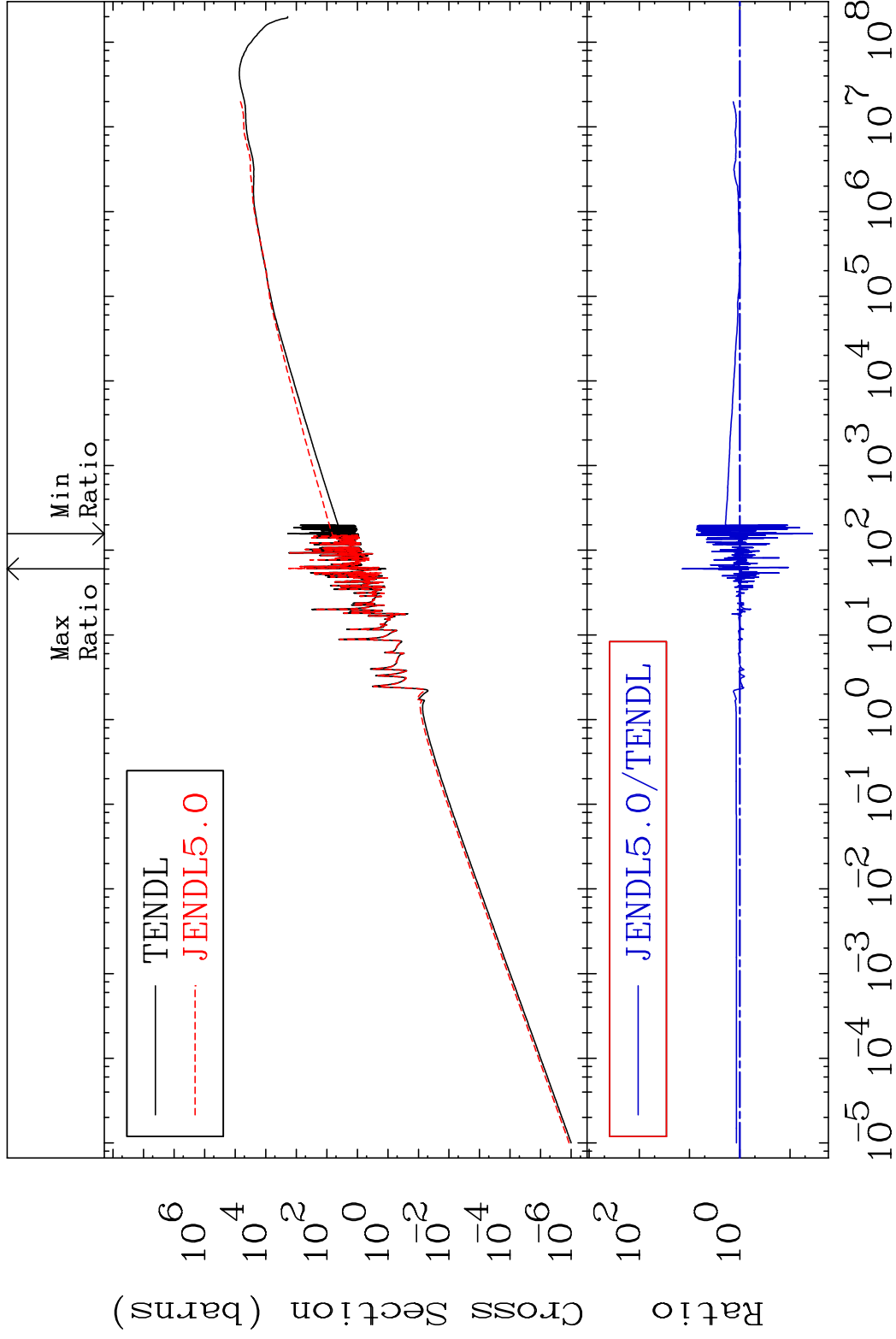


39 Incident Energy (eV) 63-Eu-153

MAT 6331

Kerma elastic
Cross Section

63-Eu-153
-96.46 To 1293. %

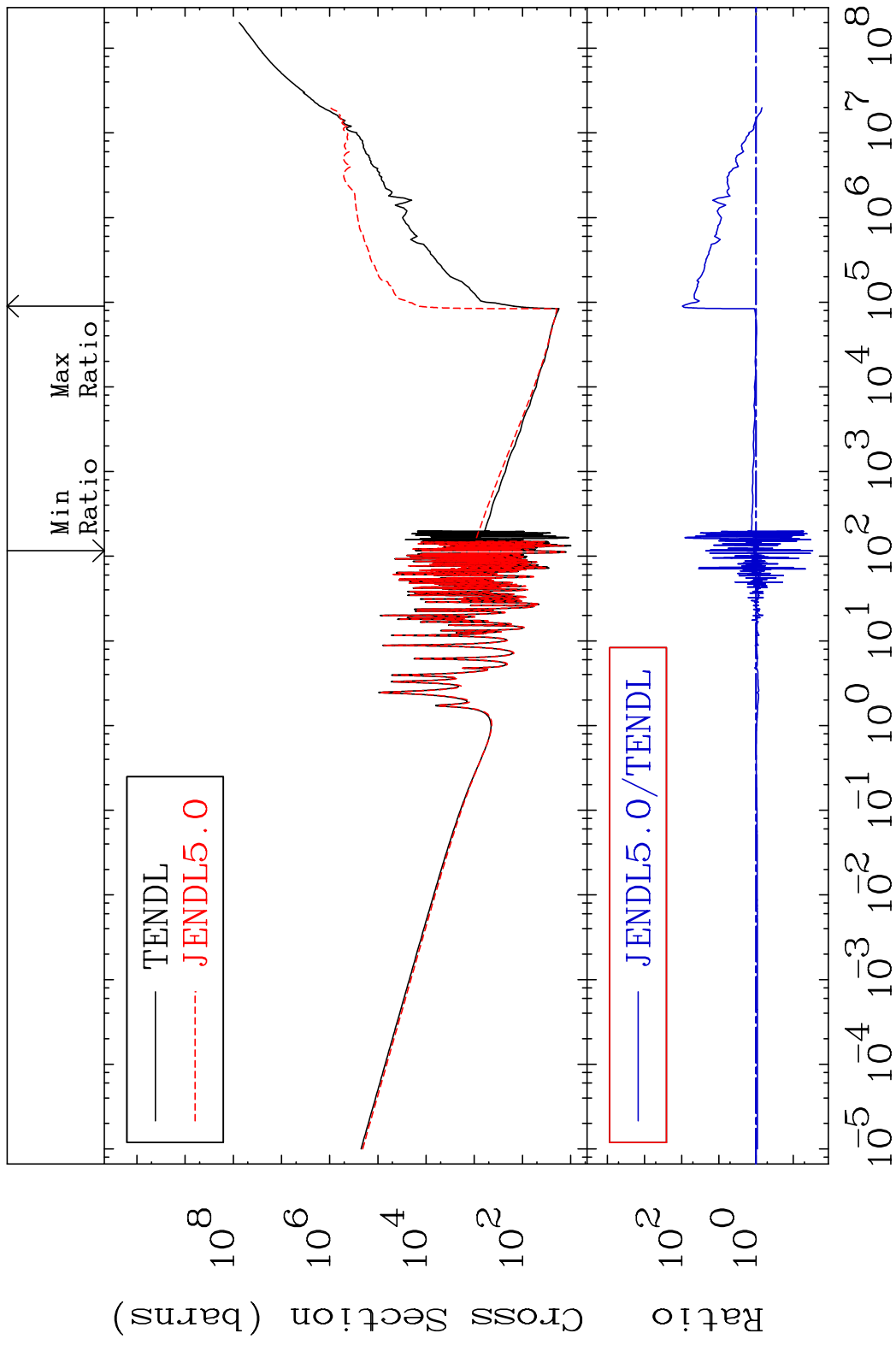


40

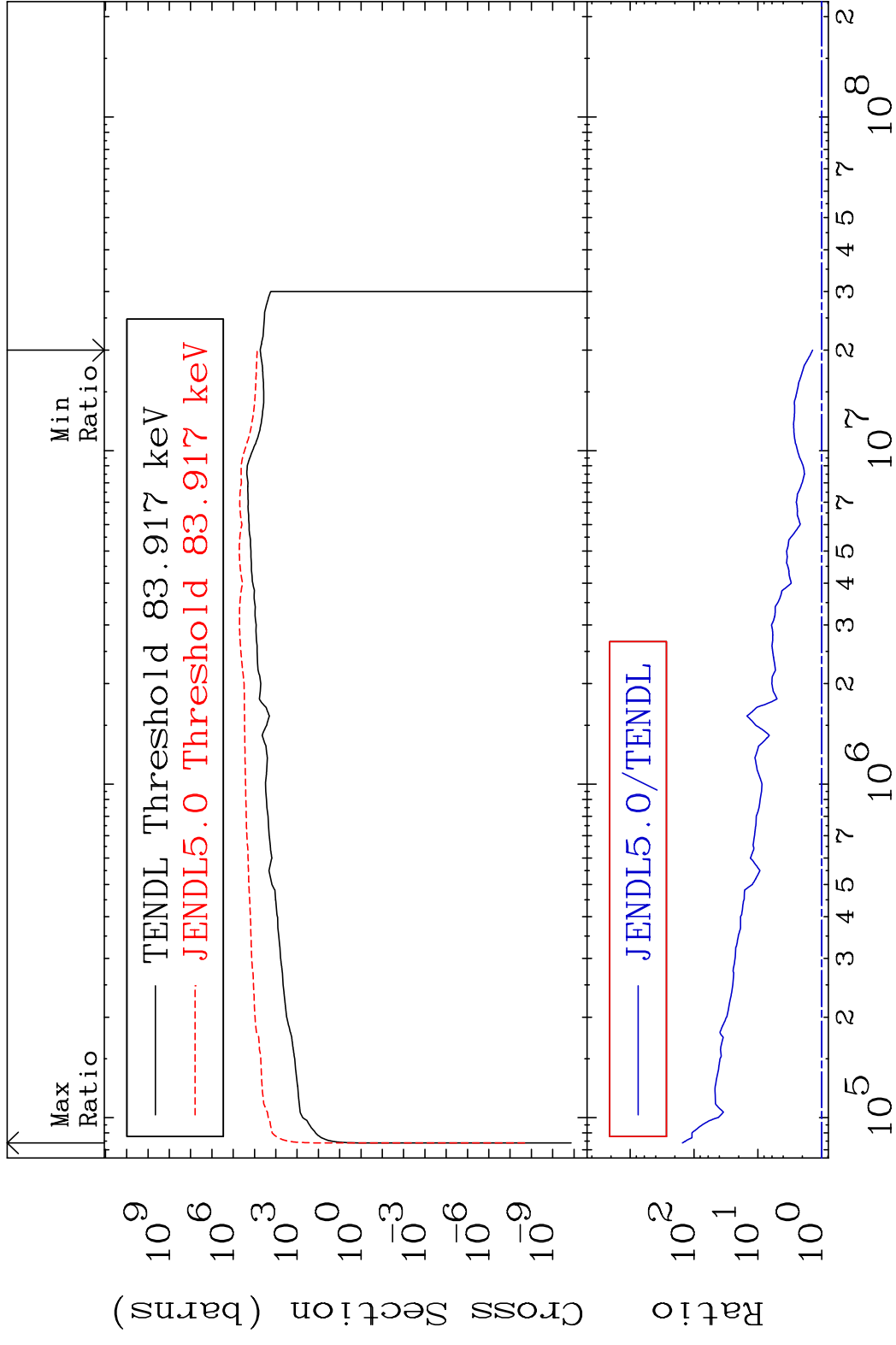
Incident Energy (eV)

63-Eu-153

MAT 6331 Kerma non-elastic (all but mt2) 63-Eu-153
 Cross Section -96.96 To 9546. %

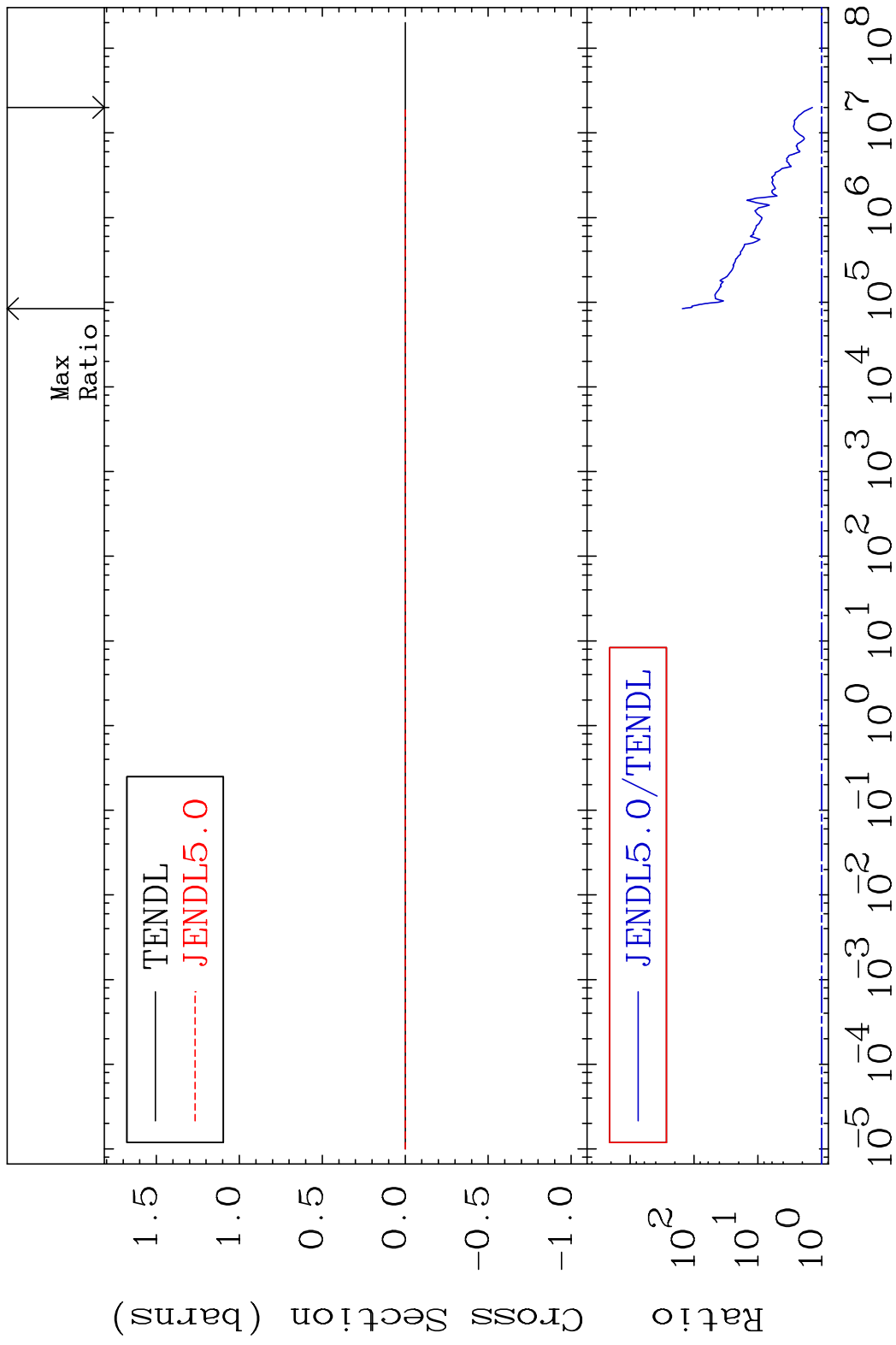


MAT 6331 Kerma inelastic (mt51-91) 63-Eu-153
 Cross Section 38.86 To 9999. %



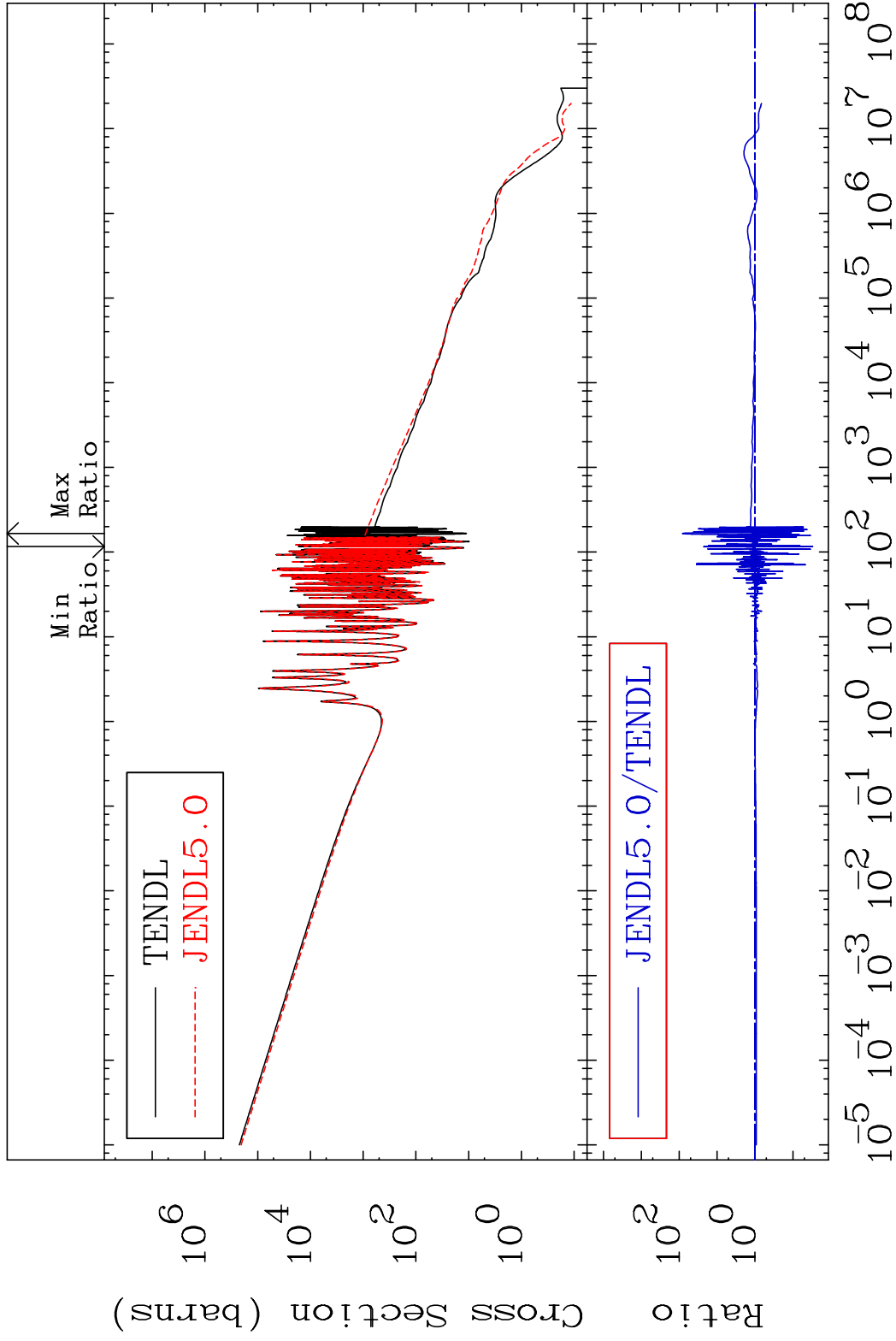
42 Incident Energy (eV) 63-Eu-153

MAT 6331 Kerma fission (mt18 or mt19-20-21-38)63-Eu-153
 Cross Section 38.86 To 9999. %

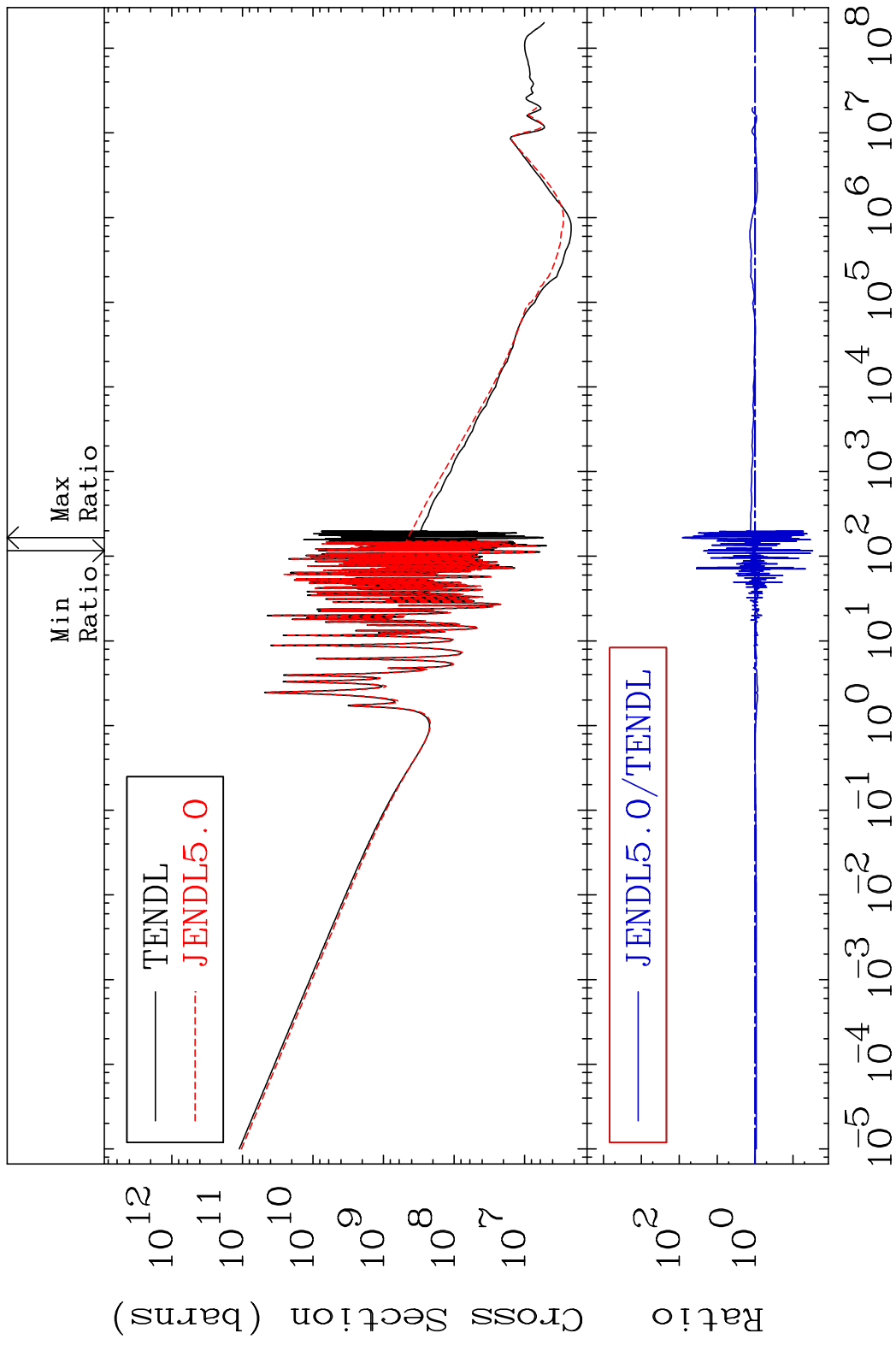


MAT 6331

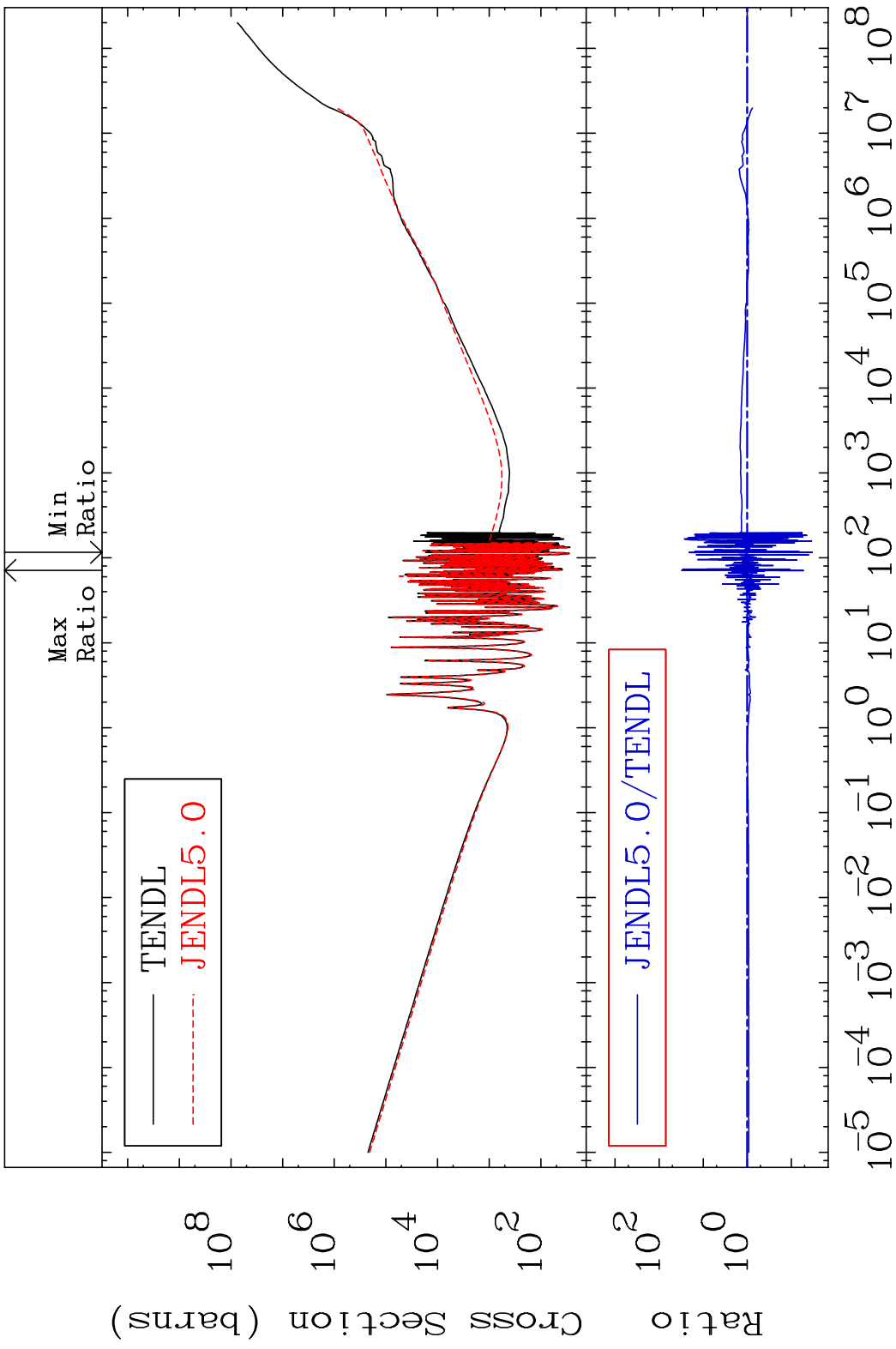
Kerma capture (mt102) 63-Eu-153
Cross Section -96.97 To 8156. %



MAT 6331 Total photon (eV-barns) 63-Eu-153
Cross Section -96.95 To 8201. %



MAT 6331 Total kinematic kerma (high limit) 63-Eu-153
 Cross Section -96.66 To 2964. %

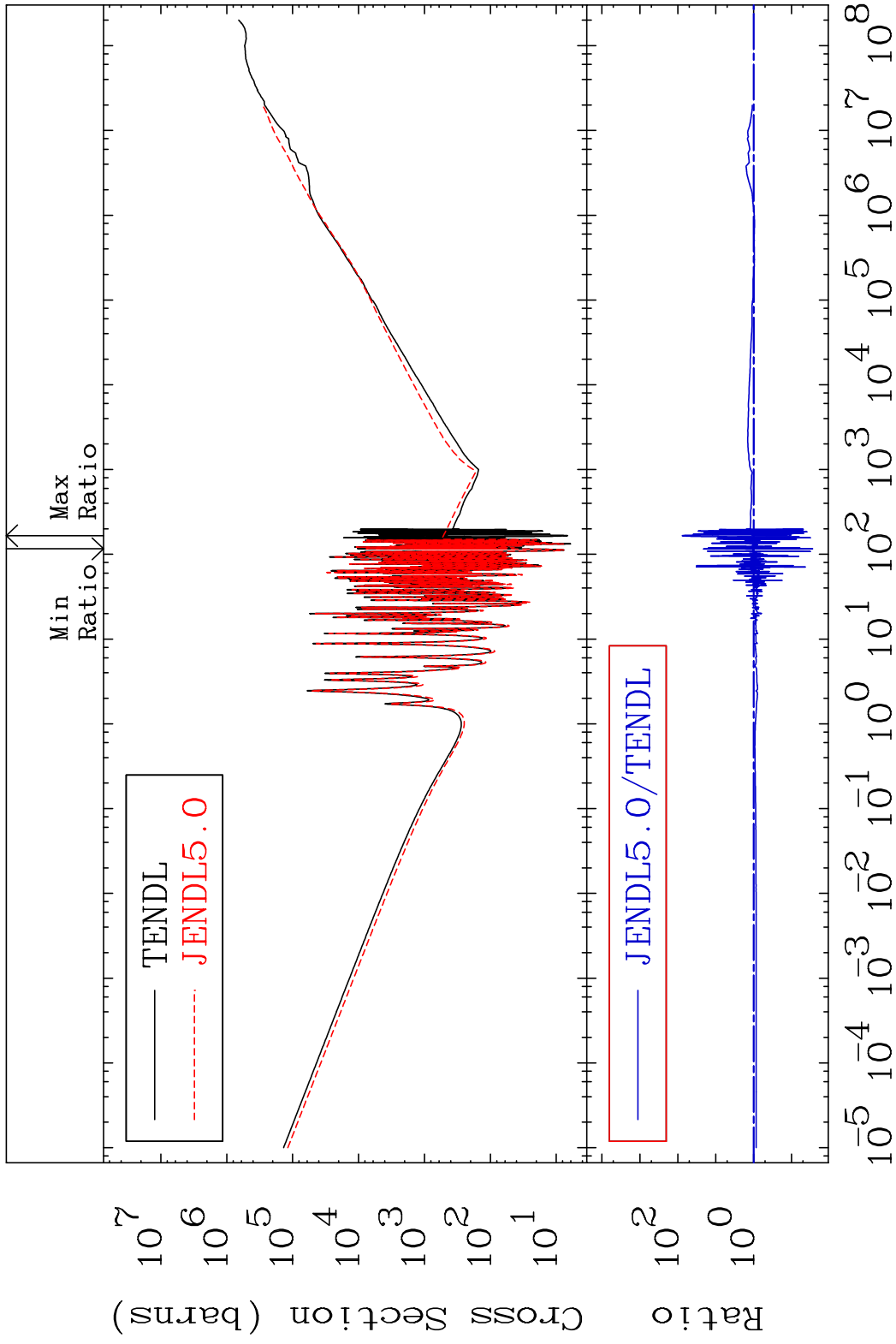


MAT 6331

Dpa total (eV-barns)

63-Eu-153

Cross Section -97.18 To 7571. %



47

Incident Energy (eV)

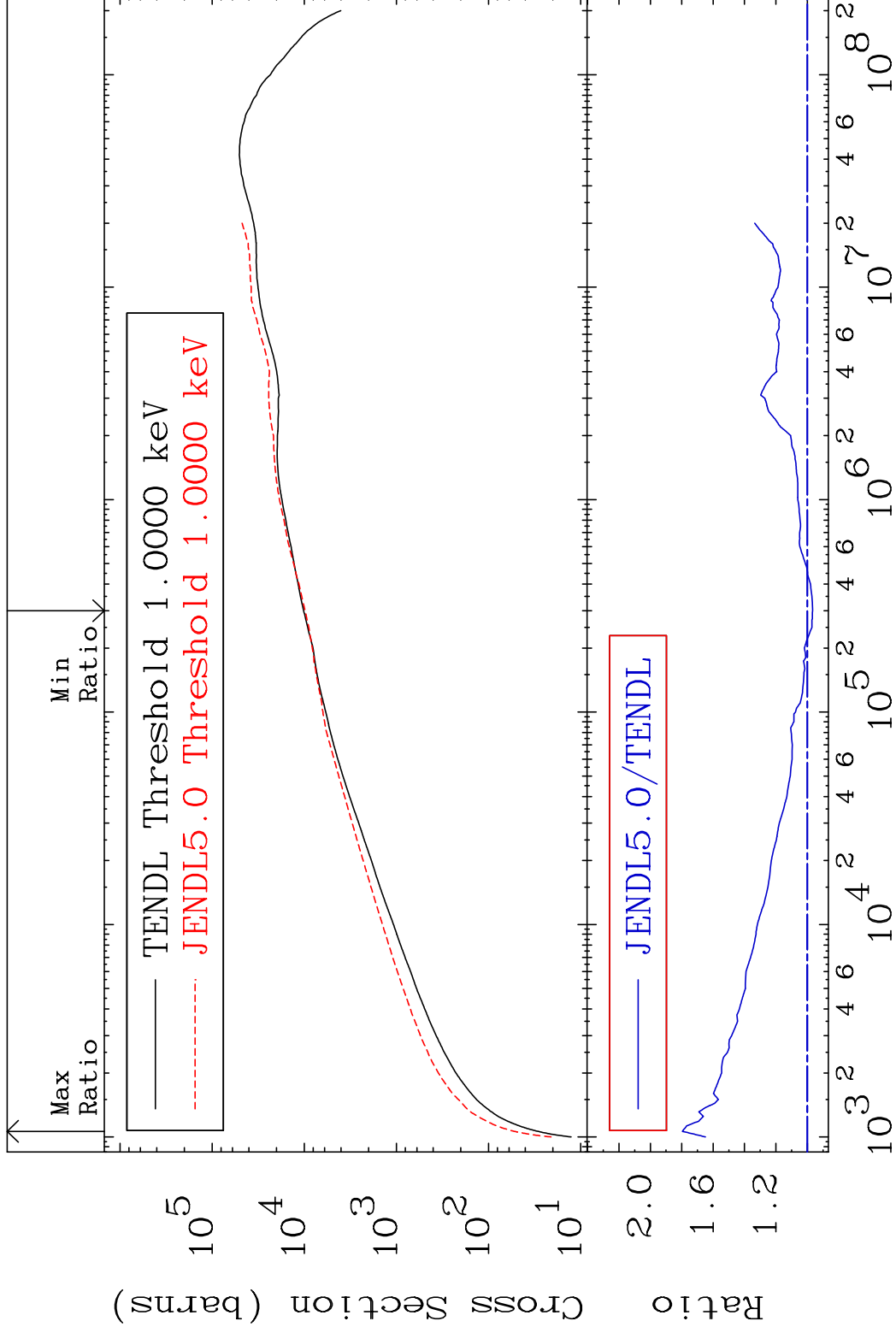
63-Eu-153

MAT 6331

Dpa elastic (mt2)

63-Eu-153

Cross Section -3.355 To 79.61 %

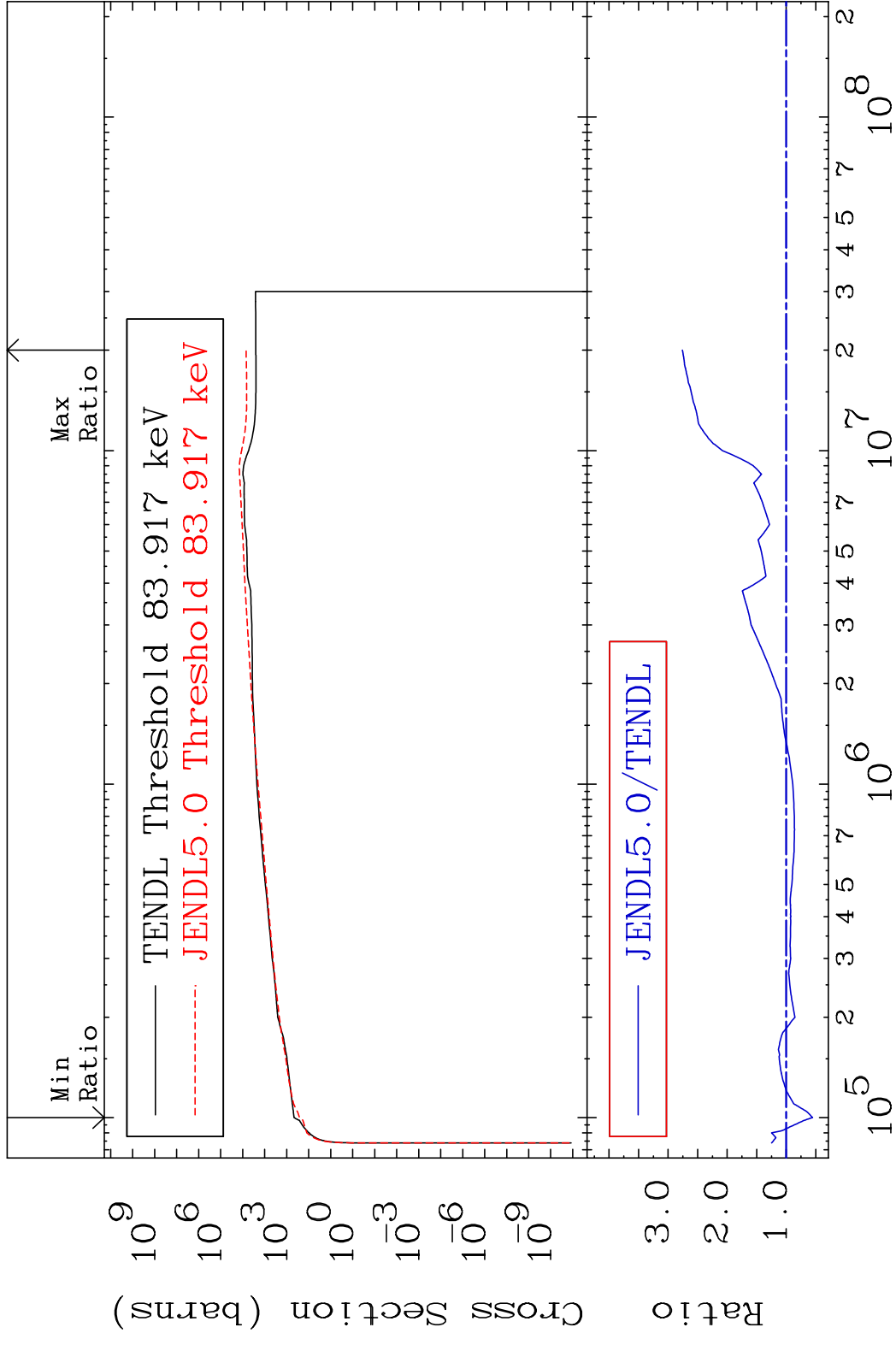


48

Incident Energy (eV)

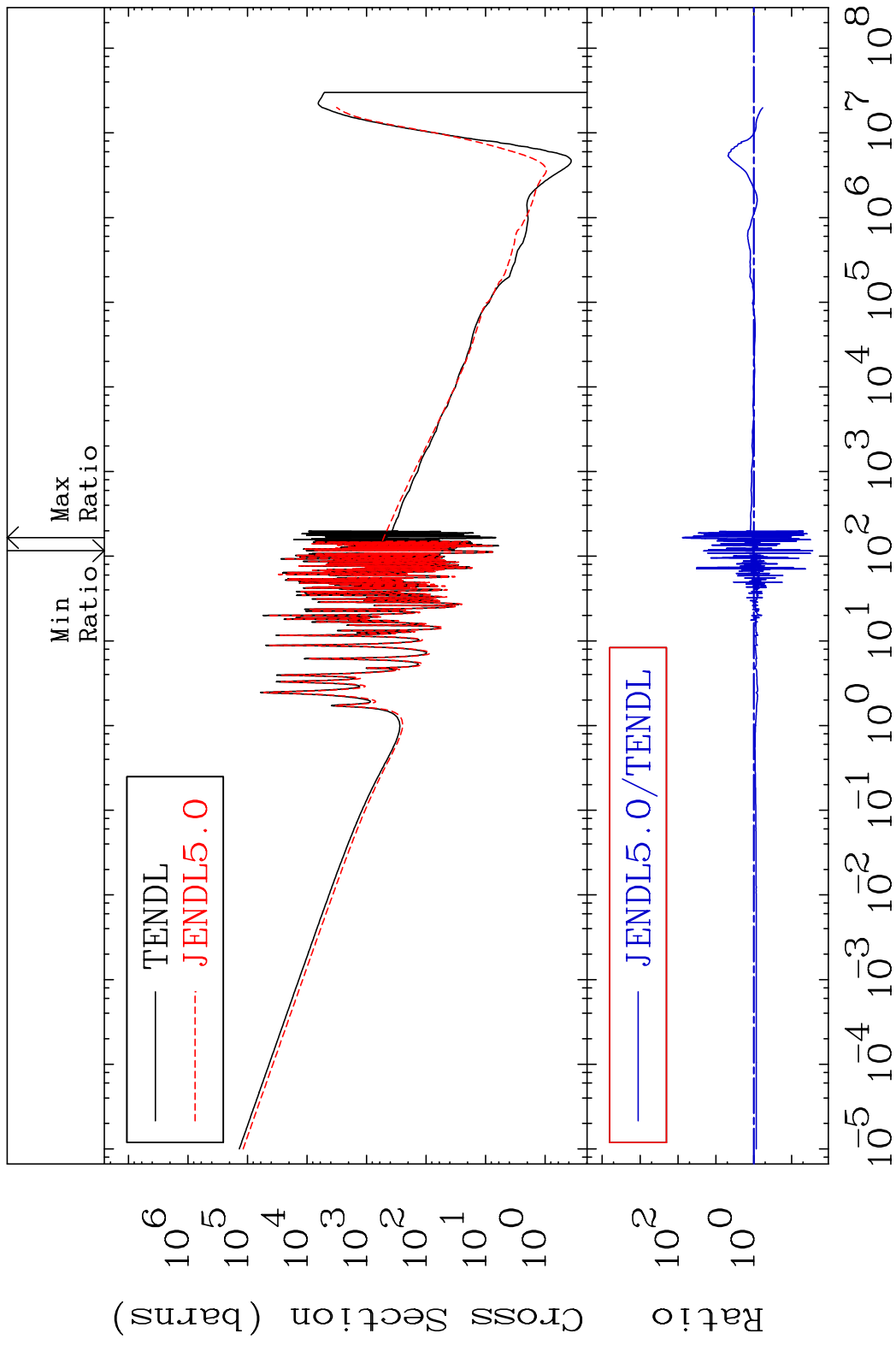
63-Eu-153

MAT 6331 Dpa inelastic (mt51-91) 63-Eu-153
 Cross Section -44.57 To 175.9 %

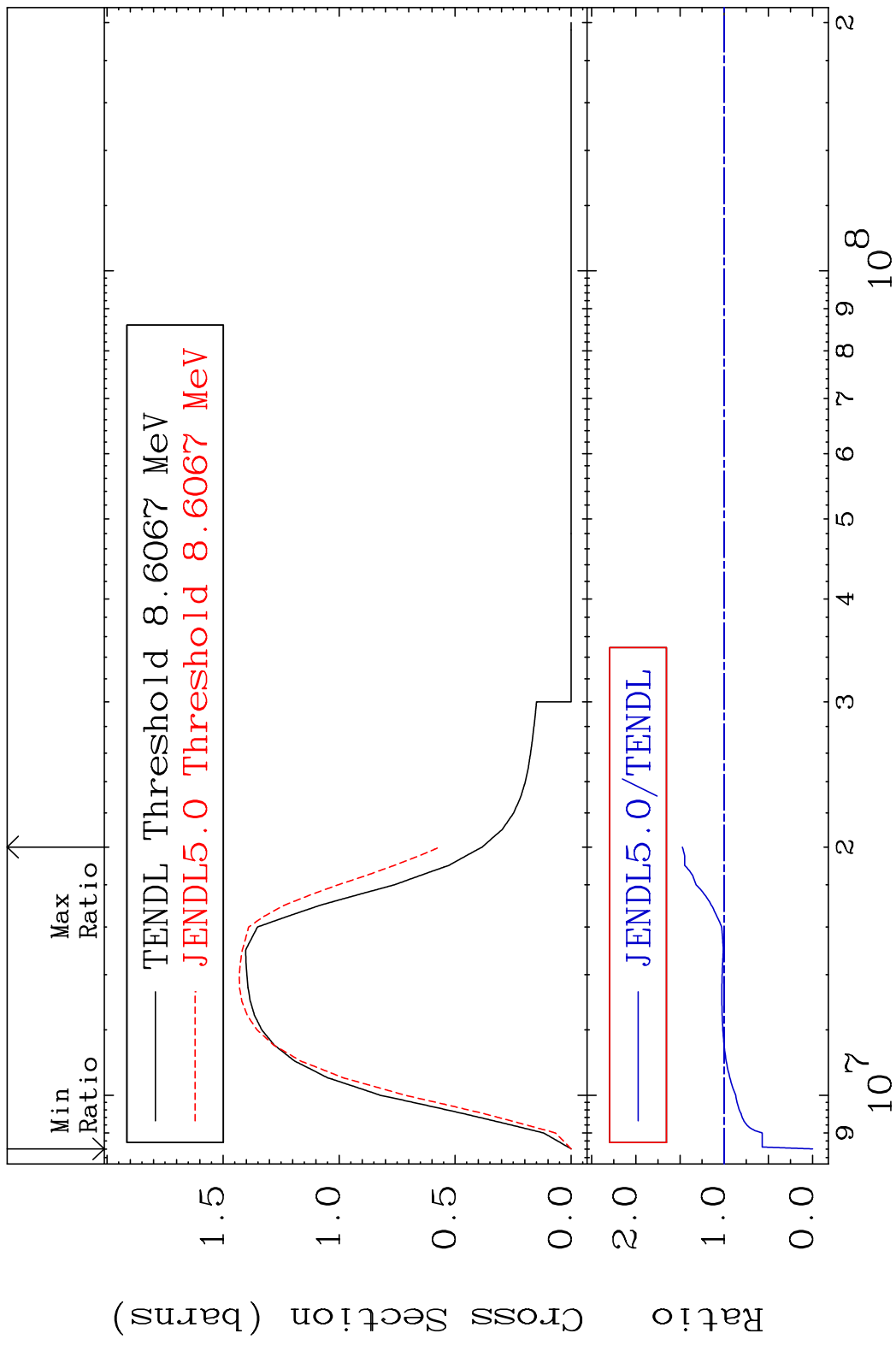


49 Incident Energy (eV) 63-Eu-153

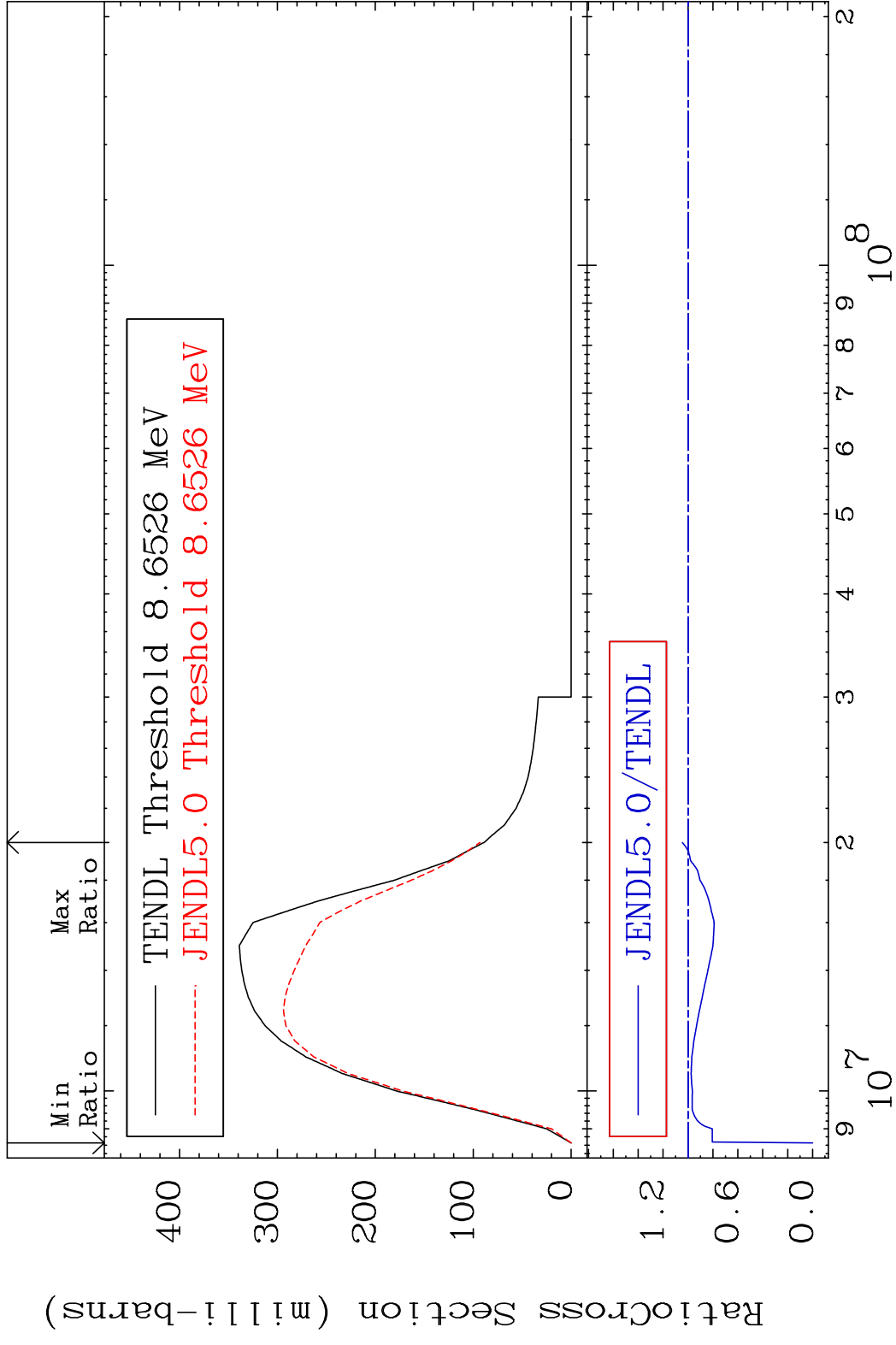
MAT 6331 Dpa disappearance (mt102 -120) 63-Eu-153
 Cross Section -97.18 To 7571. %



MAT 6331 (n,2n):63-Eu-152g 63-Eu-153
 Radionuclide Production Cross Section Ratio 47.34 %



MAT 6331 (n,2n):63-Eu-152m1 63-Eu-153
 Radionuclide Production Cross Section Ratio 4.549 %



MAT 6331 (n,2n):63-Eu-152m16 63-Eu-153
 Radionuclide Production Cross Section Ratio 32.19 %

