

Program Complot
(Version 2018-1)

by

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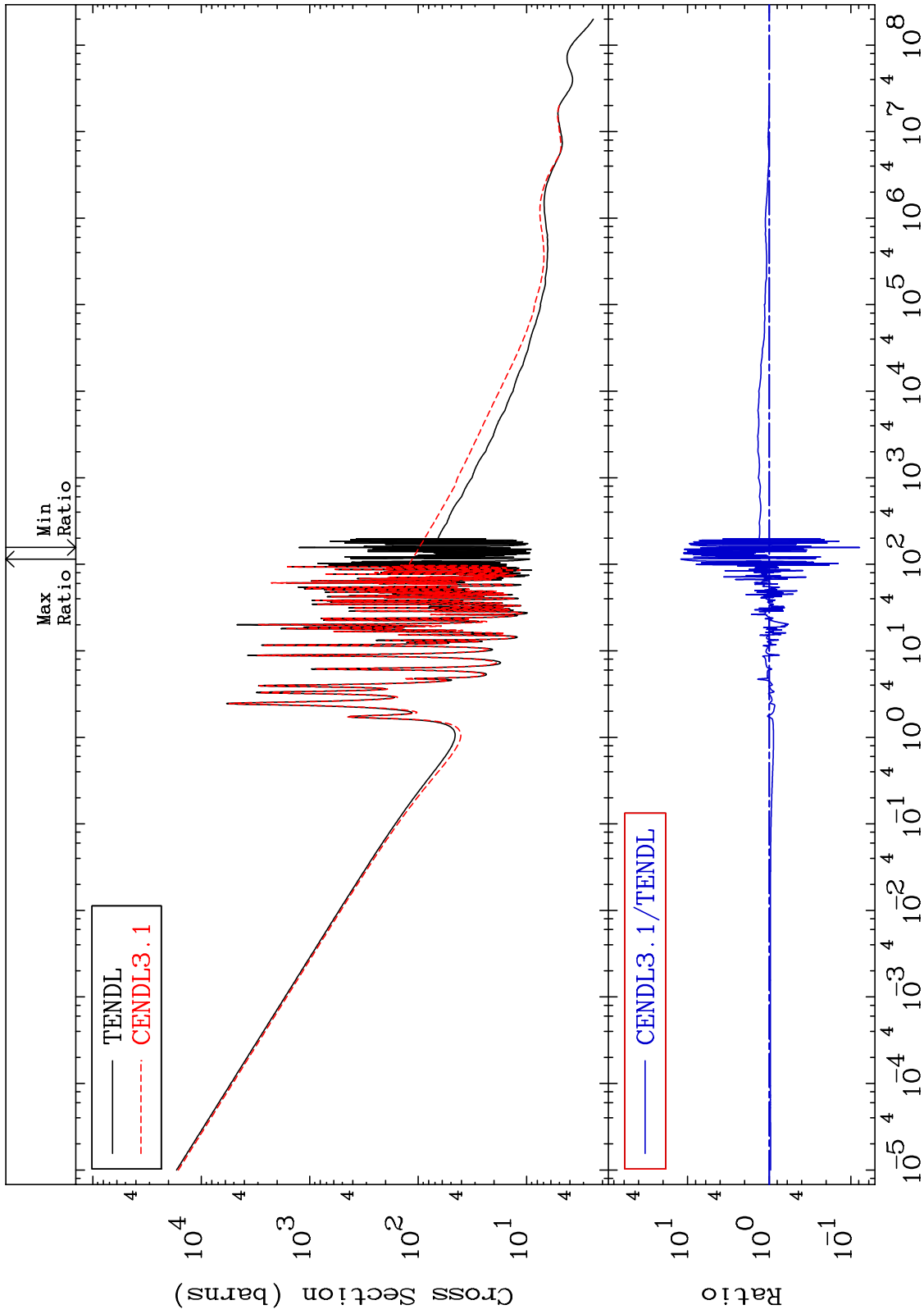
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6331

Total
Cross Section

63-Eu-153
-92.21 To 1111. %



1

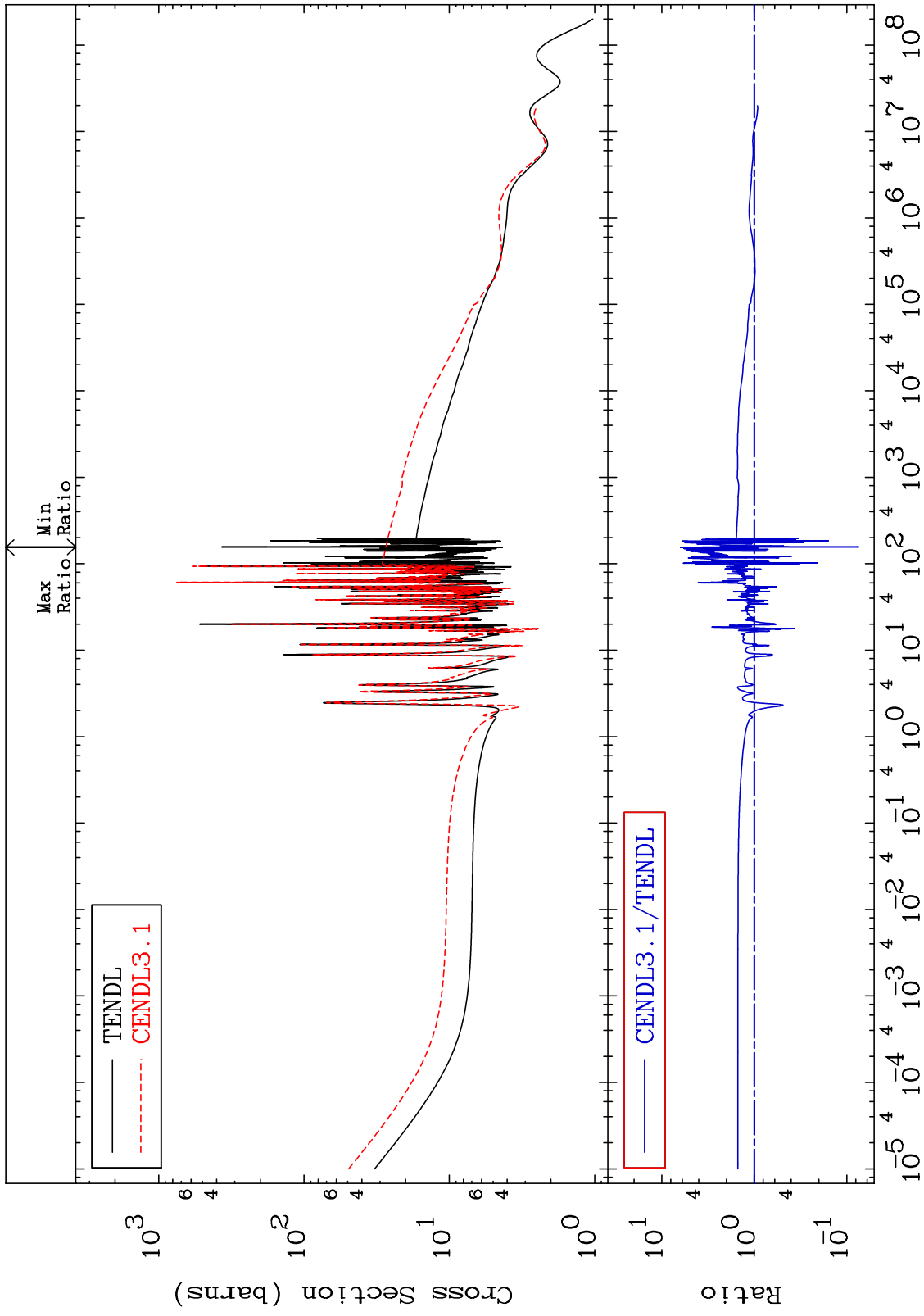
Incident Energy (eV)

63-Eu-153

MAT 6331

Elastic
Cross Section

63-Eu-153
-92.62 To 533.4 %

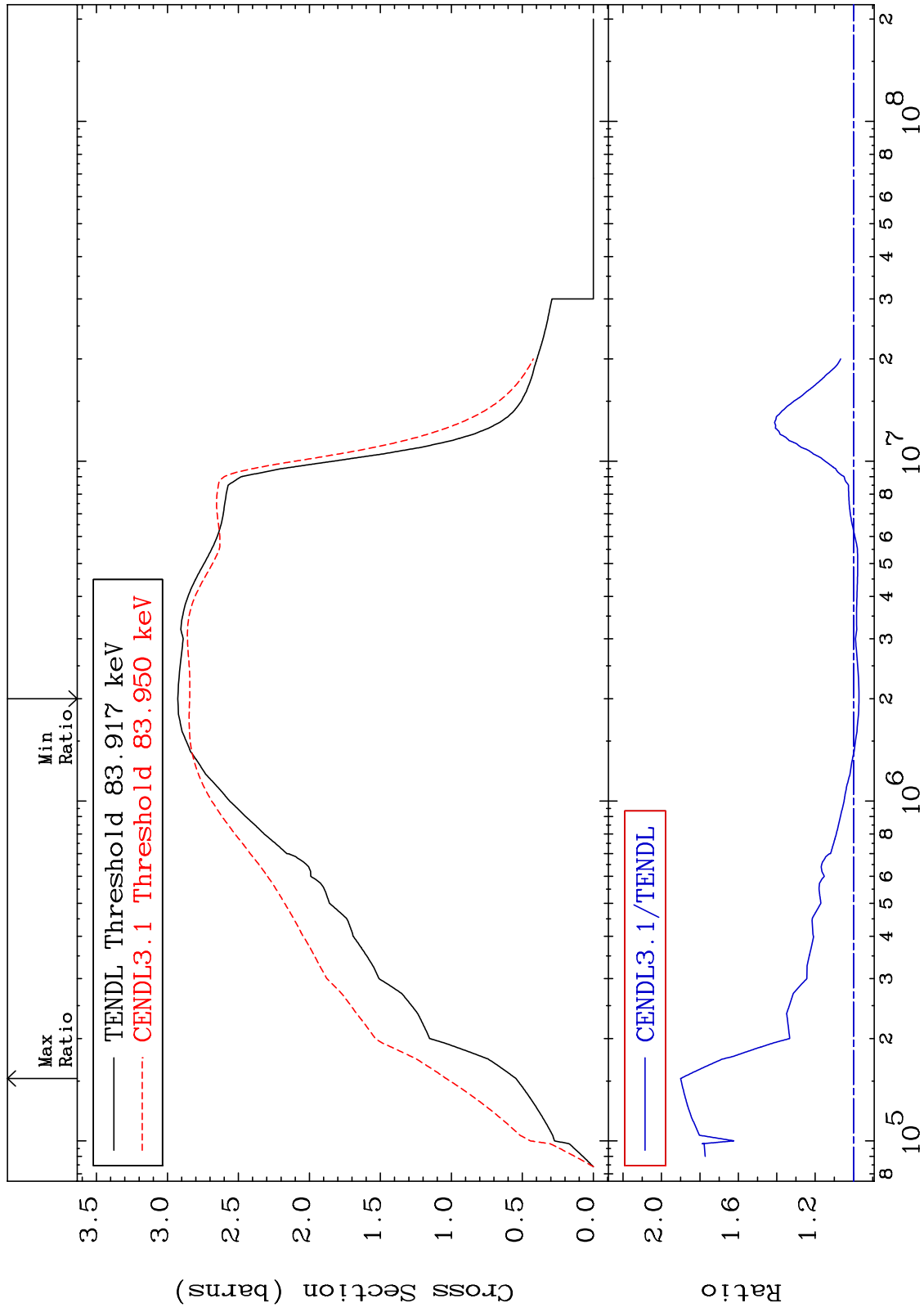


63-Eu-153

Incident Energy (eV)

2

MAT 6331 Inelastic Cross Section 63-Eu-153 -2.851 To 90.02 %



3 Incident Energy (eV) 63-Eu-153

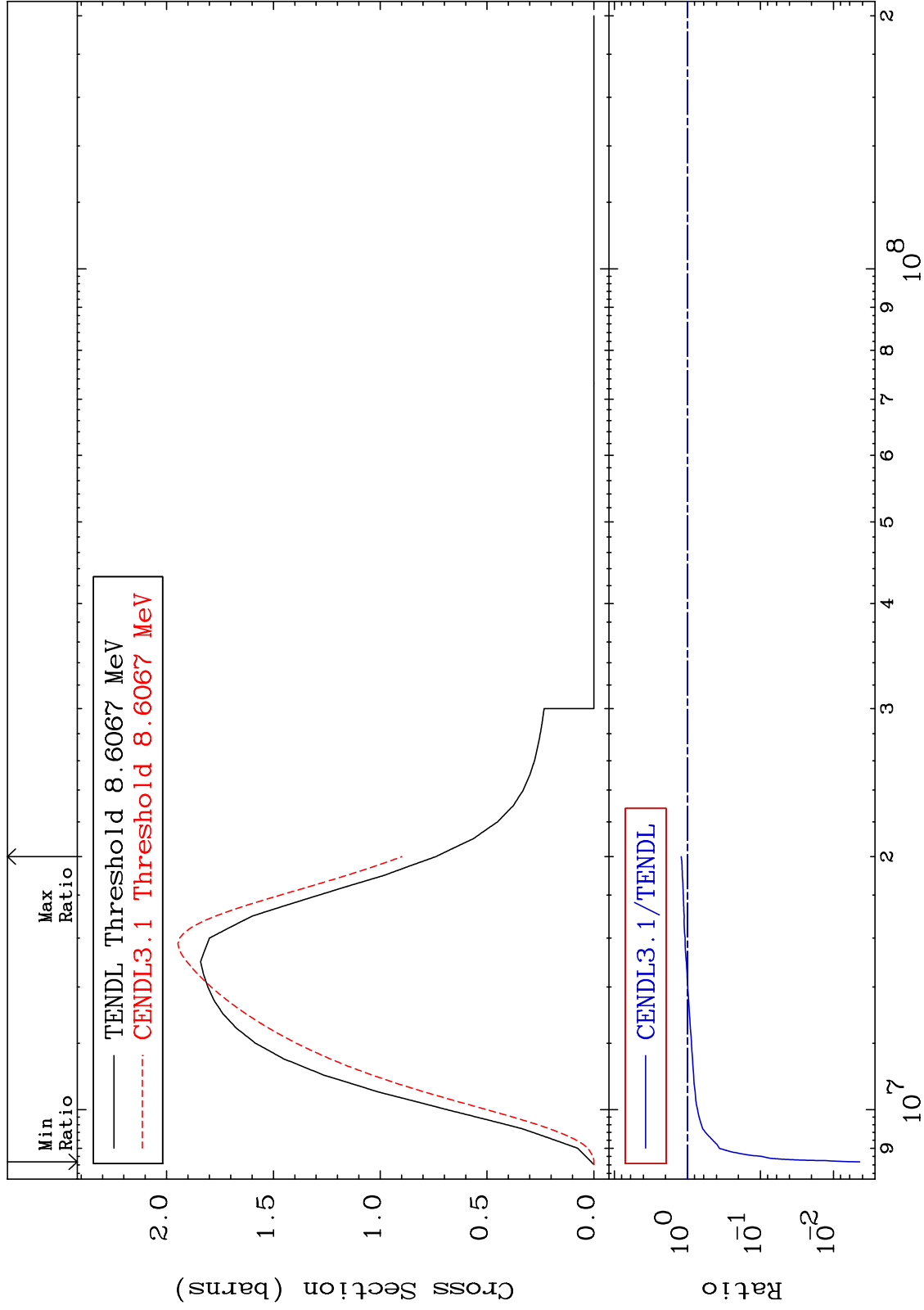
MAT 6331

(n,2n)

63-Eu-153

Cross Section

-99.56 To 21.53 %



4

Incident Energy (eV)

63-Eu-153

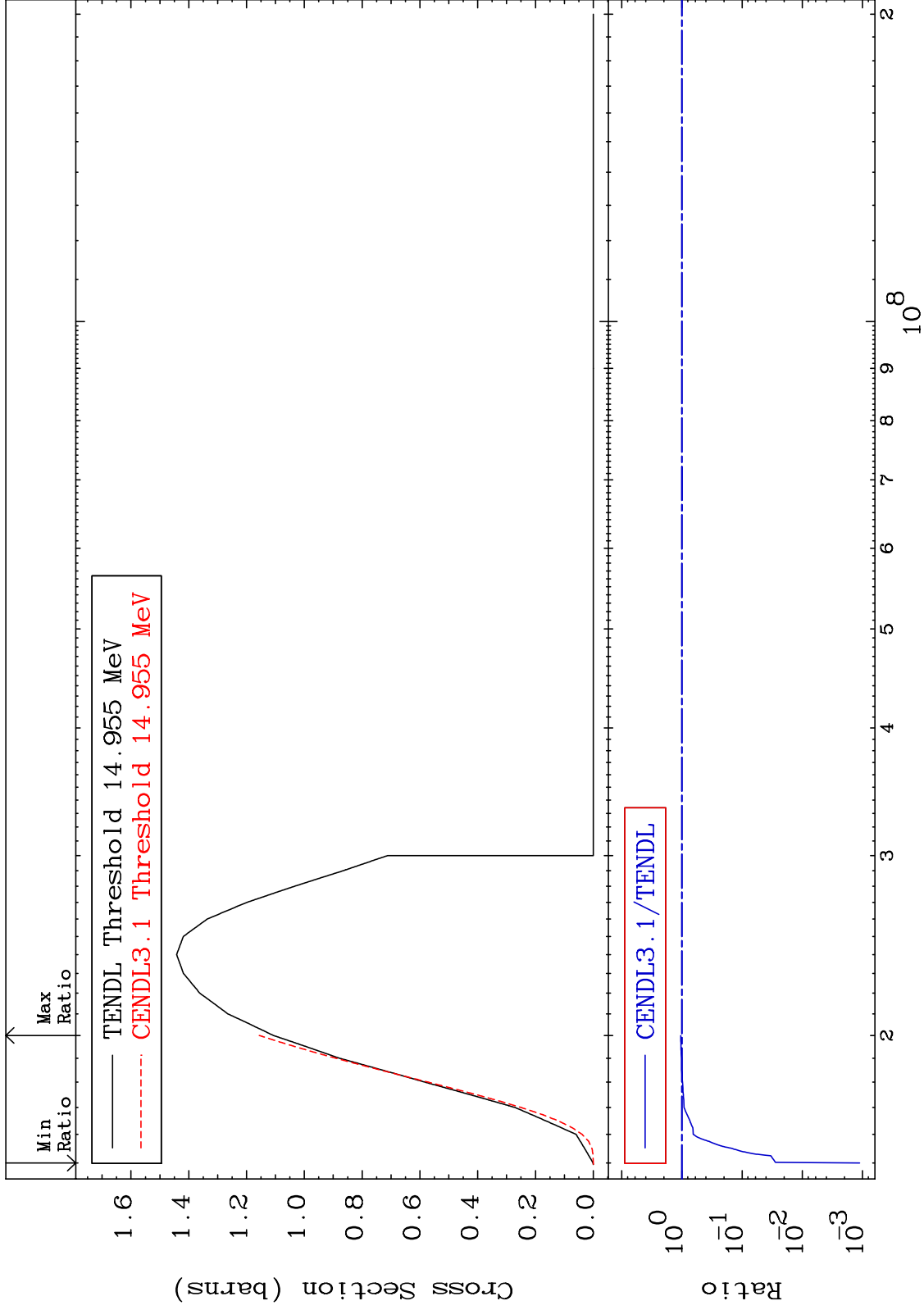
MAT 6331

(n,3n)

63-Eu-153

Cross Section

-99.89 To 4.401 %

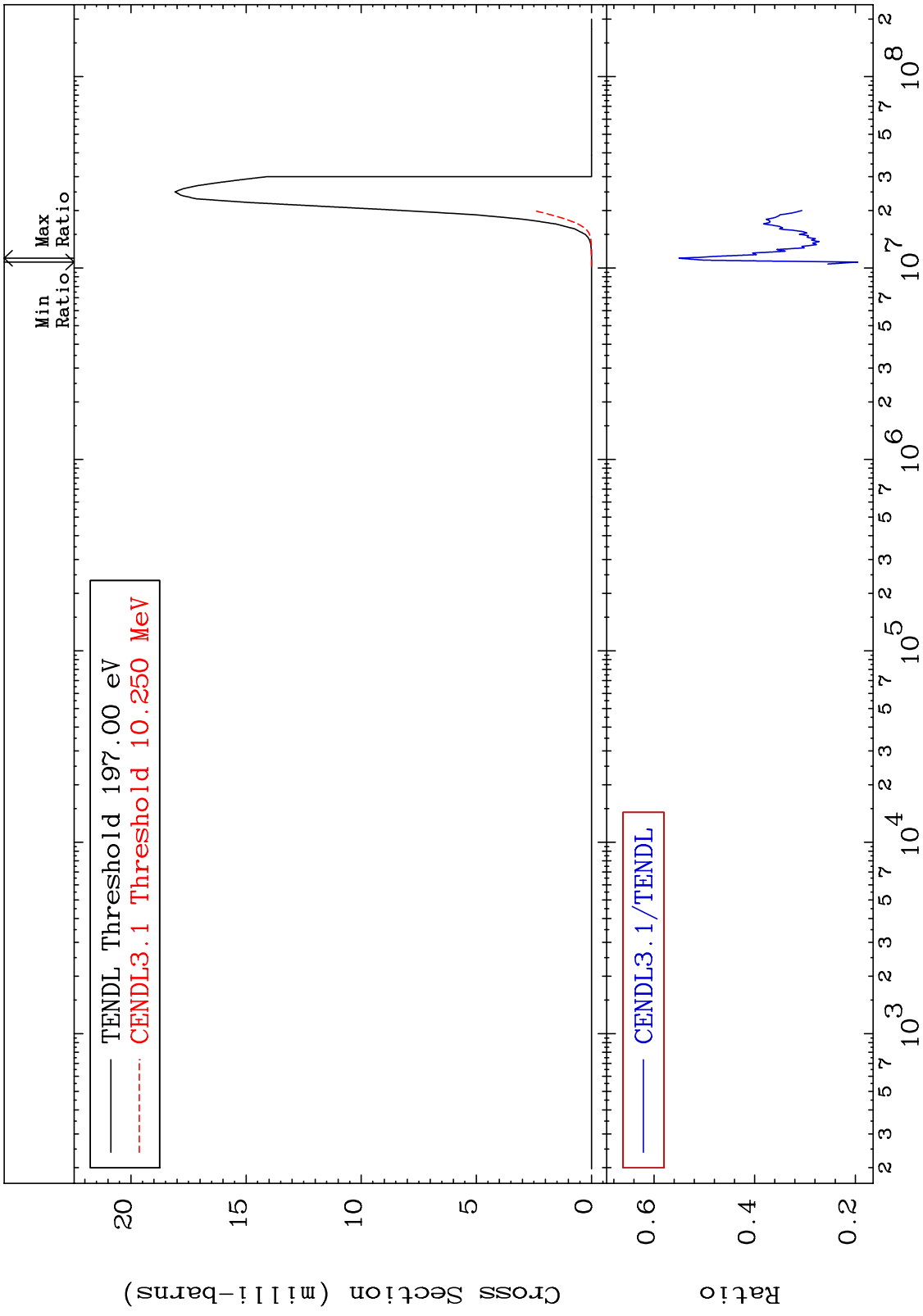


5

Incident Energy (eV)

63-Eu-153

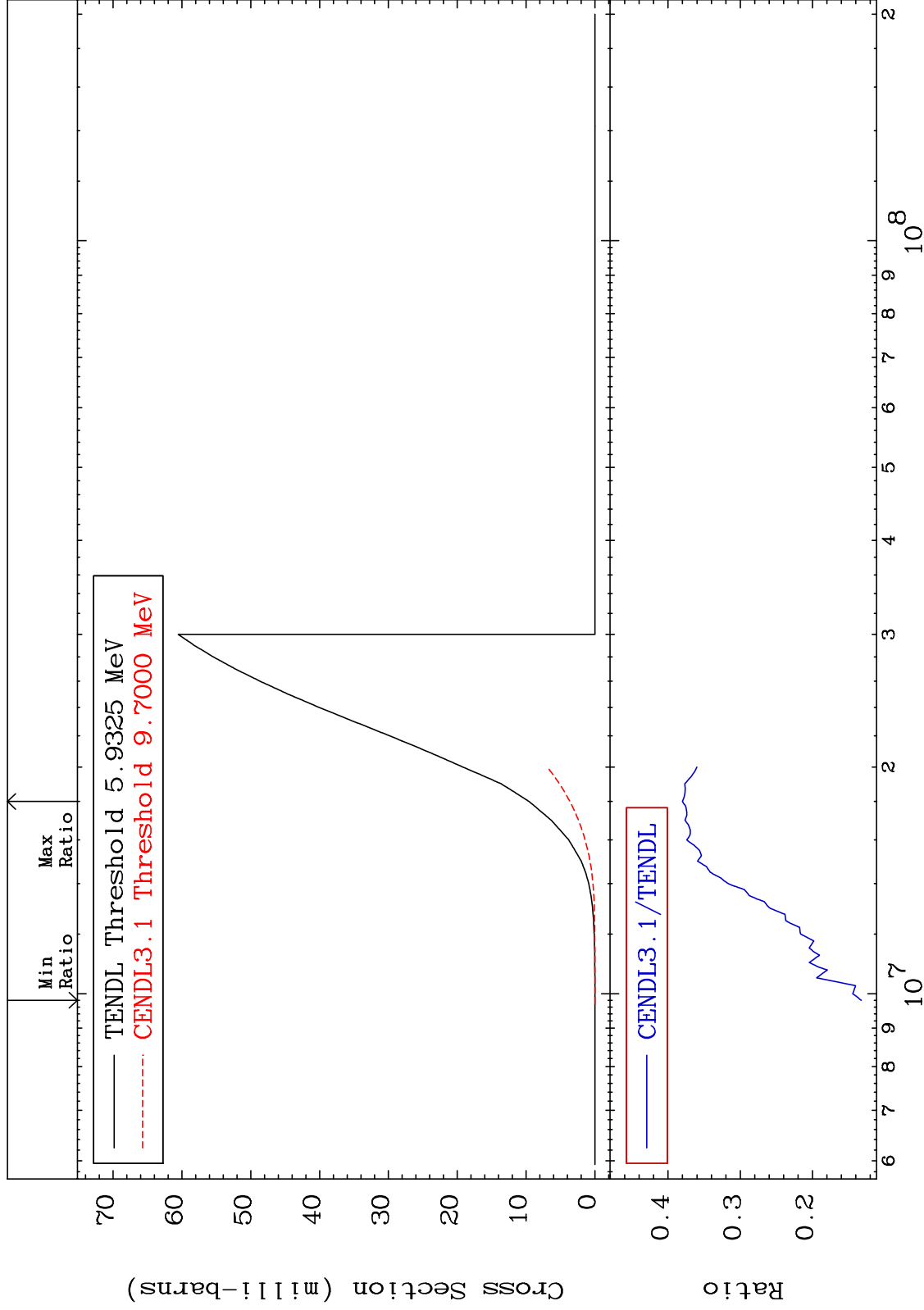
MAT 6331 $(n, n') \alpha$ Cross Section $^{63}\text{Eu}-153$ $T_0 -44.97\%$



MAT 6331

(n,n') p
Cross Section

63-Eu-153
-86.75 To -62.00%

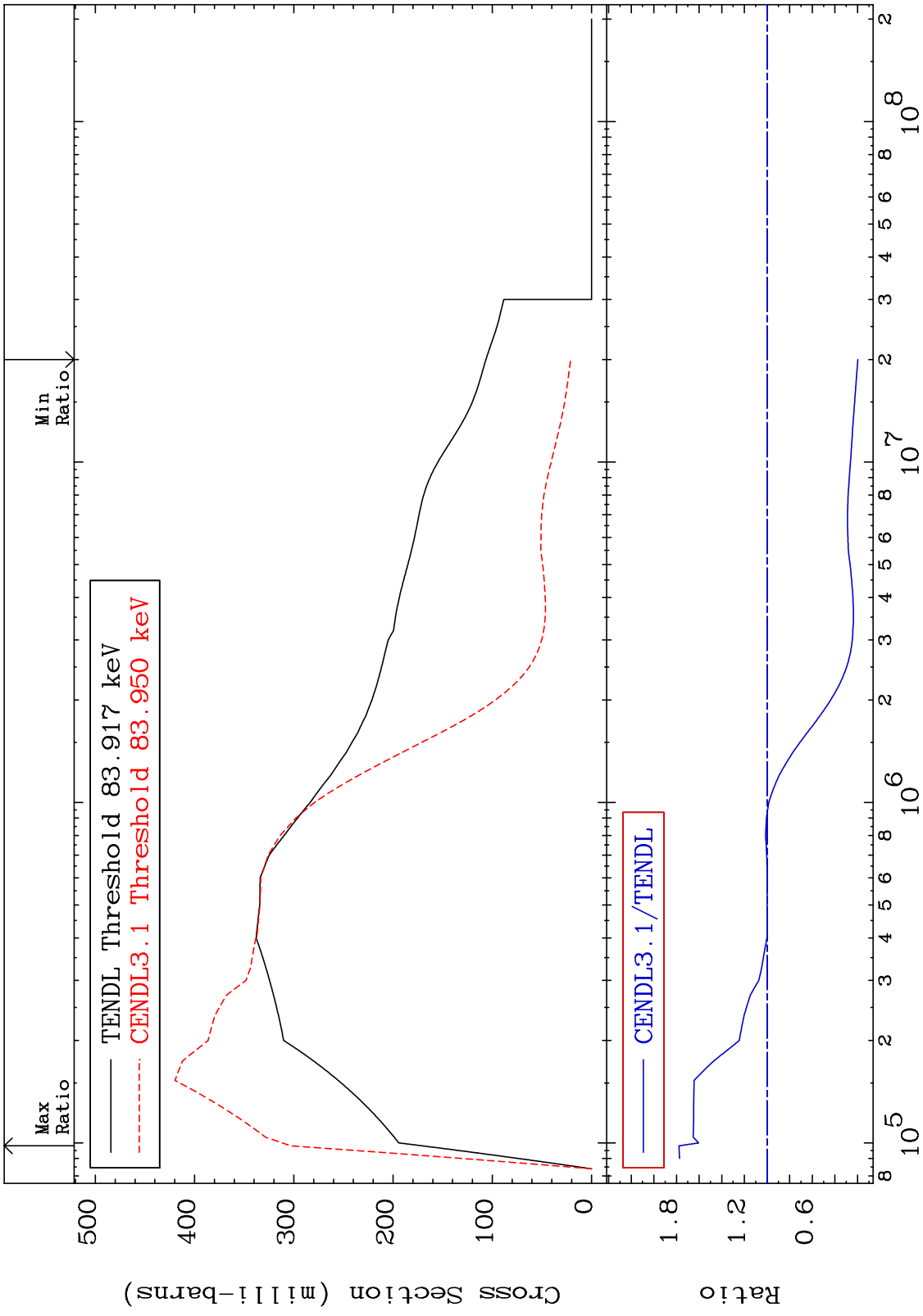


7

Incident Energy (eV)

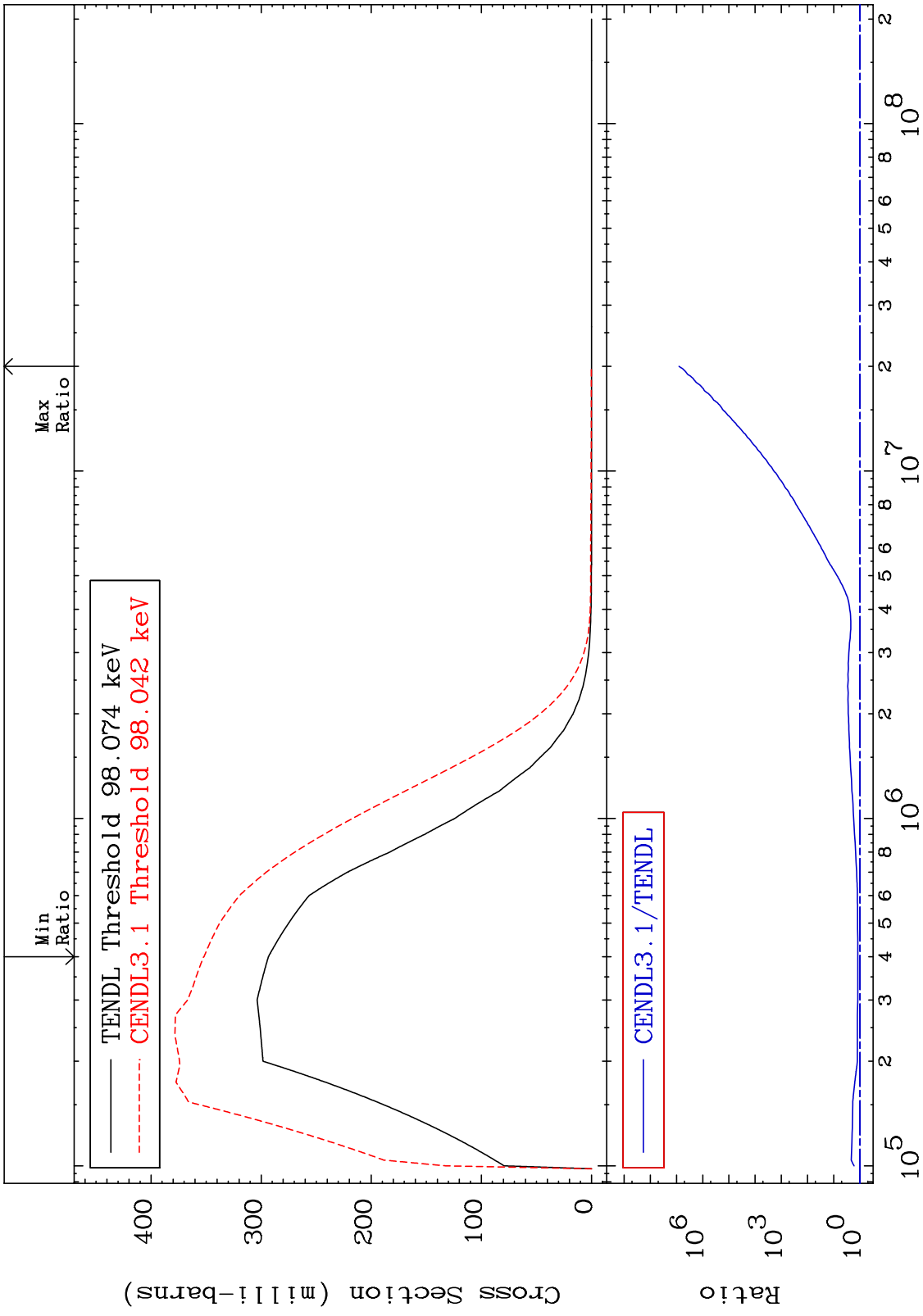
63-Eu-153

MAT 6331 MT= 51 (n,n') Level Cross Section 63-Eu-153 -80.26 To 77.75 %



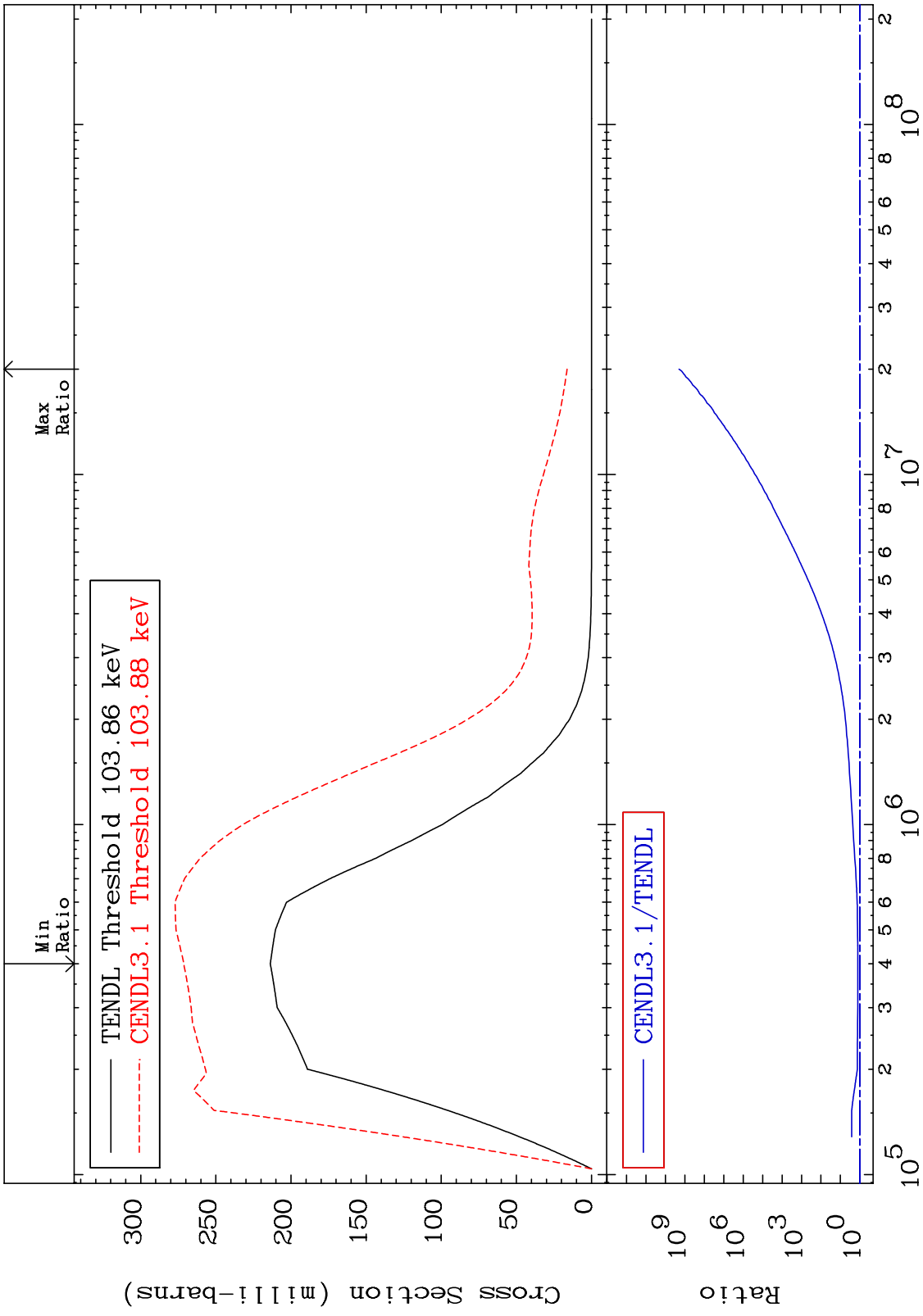
8 Incident Energy (eV) 63-Eu-153

MAT 6331 MT= 52 (n,n') Level Cross Section 63-Eu-153 19.97 To 9999. %



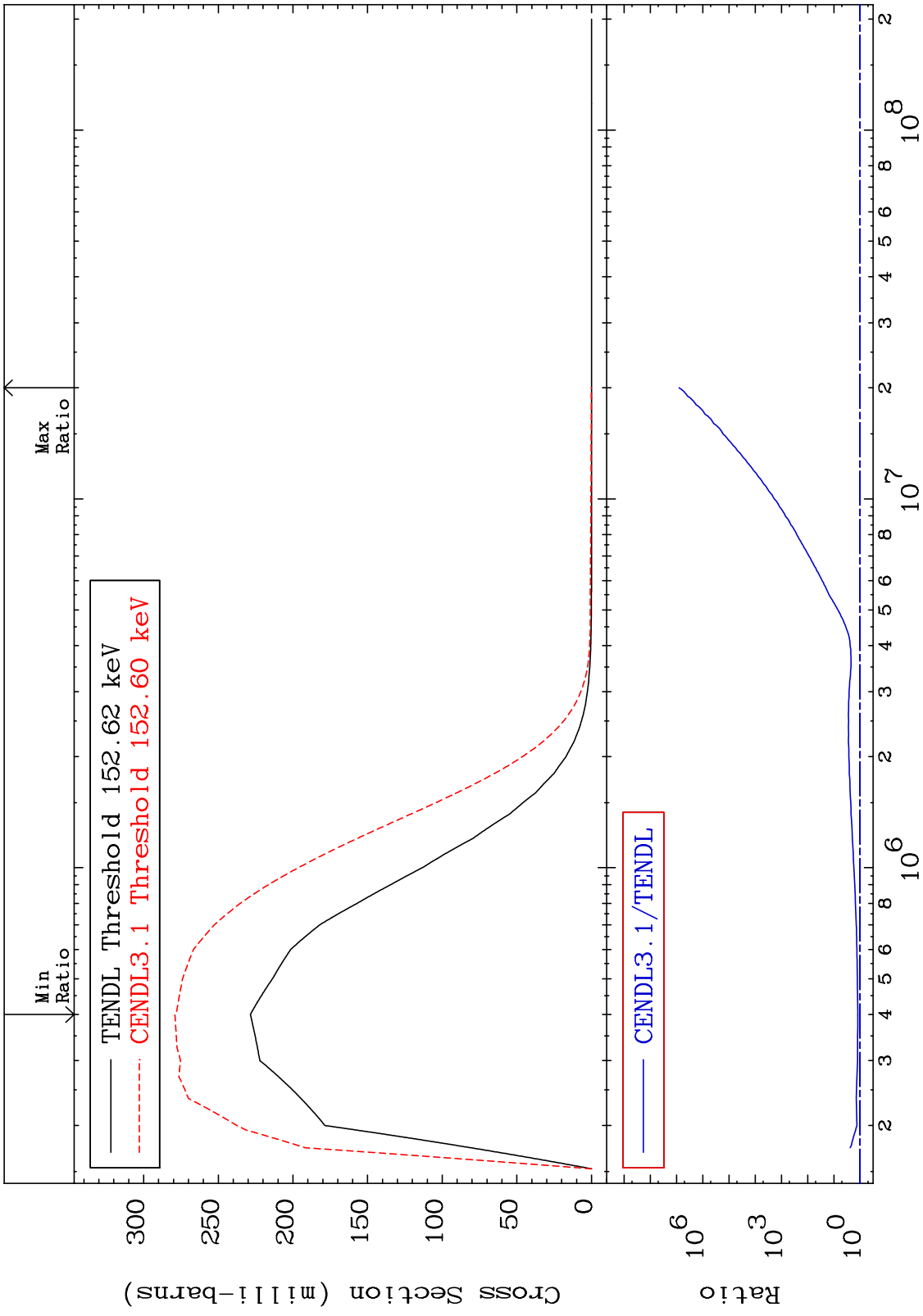
9 Incident Energy (eV) 63-Eu-153

MAT 6331 MT= 53 (n,n') Level Cross Section 63-Eu-153 26.94 To 9999. %

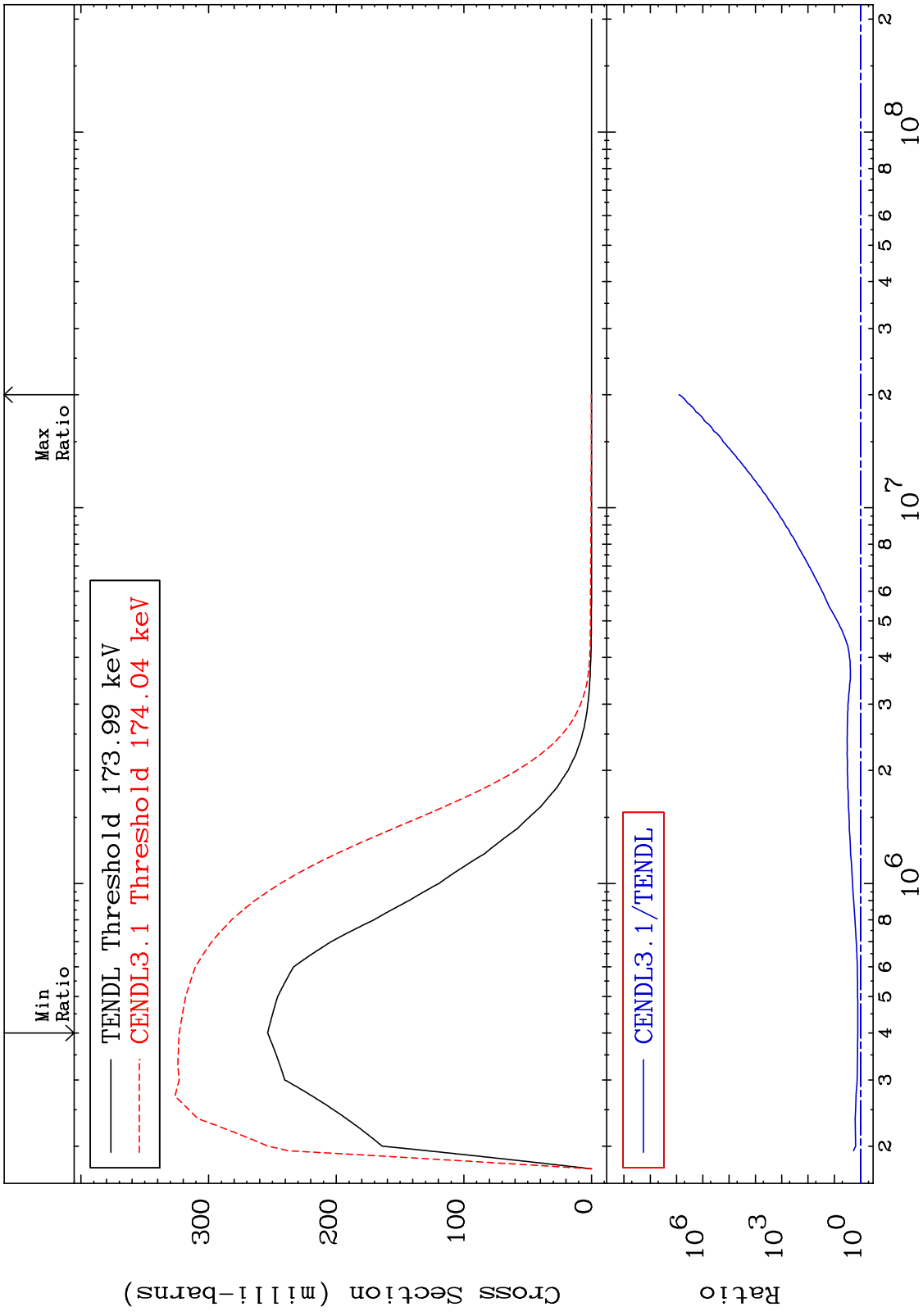


63-Eu-153 Incident Energy (eV)

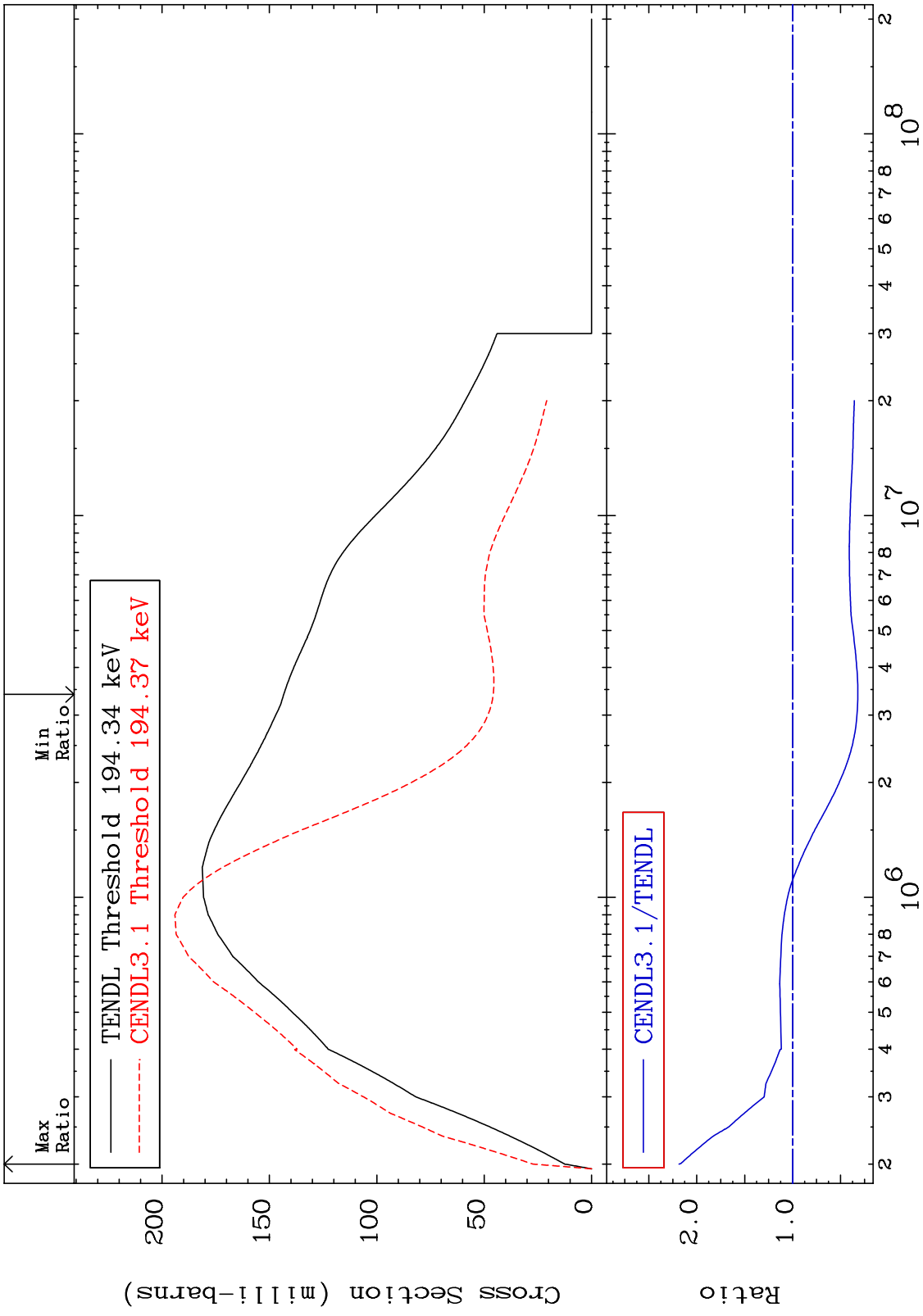
MAT 6331 MT= 54 (n,n') Level Cross Section 63-Eu-153 21.75 To 9999. %



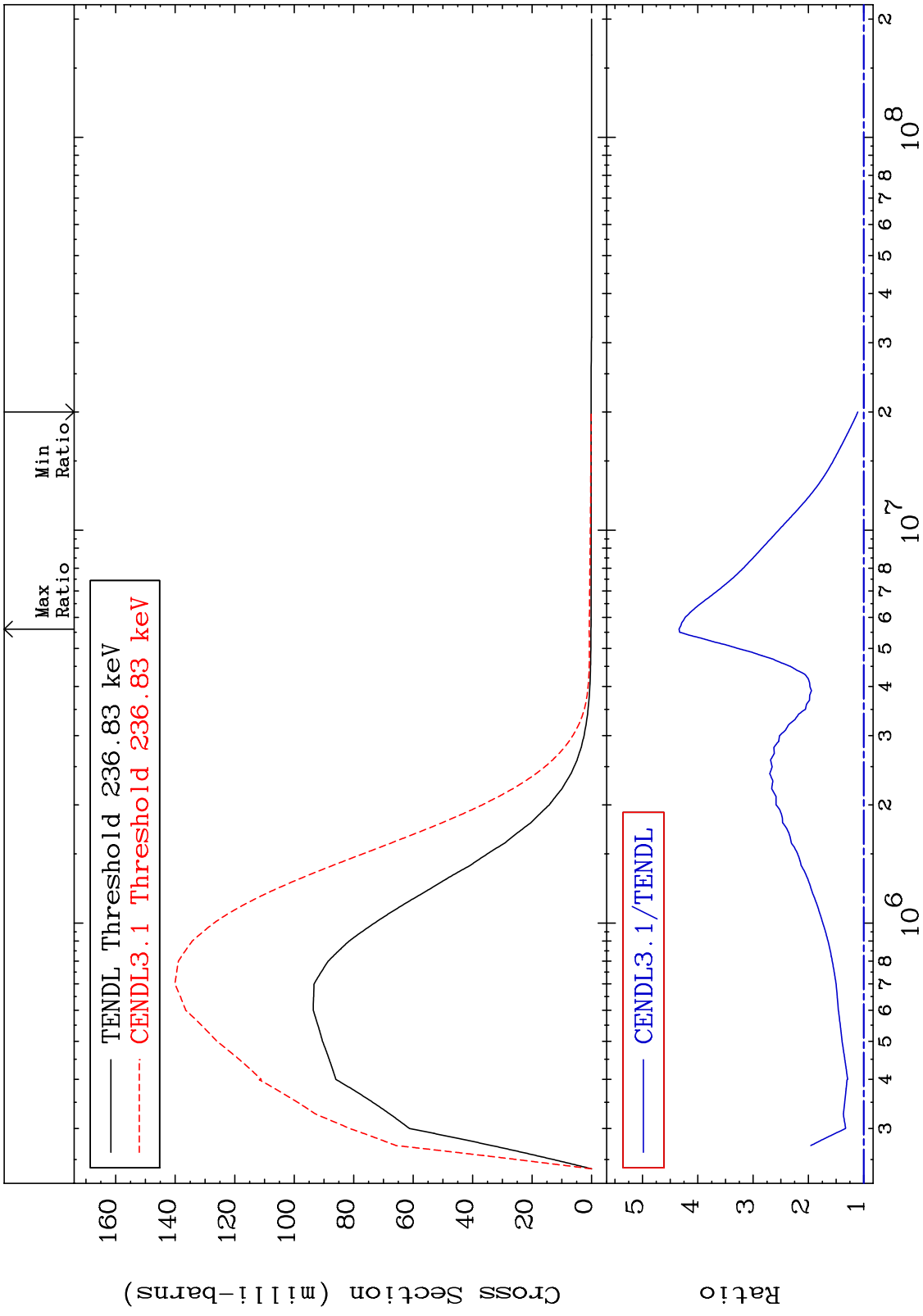
MAT 6331 MT= 55 (n,n') Level Cross Section 63-Eu-153 27.25 To 9999. %



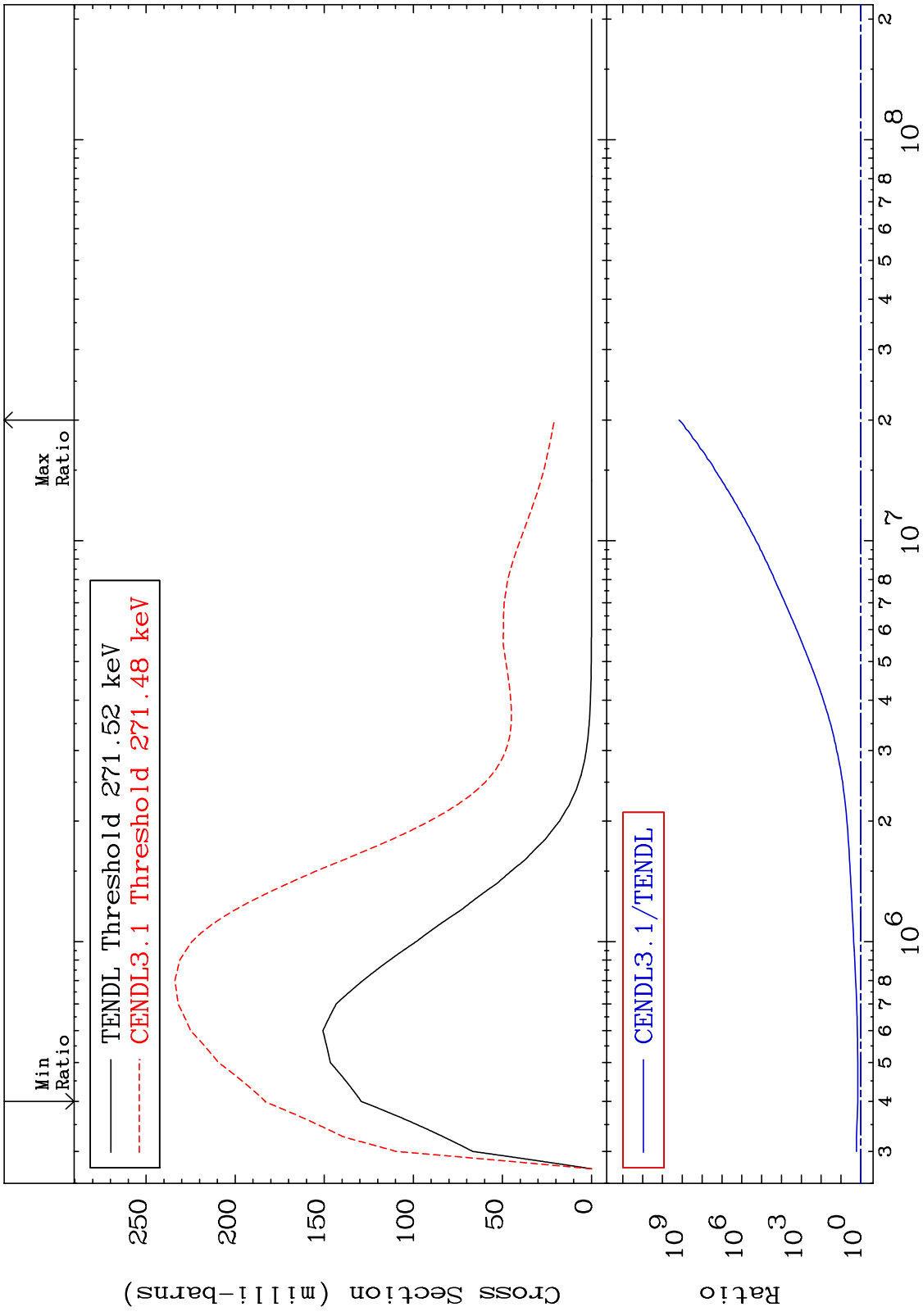
MAT 6331 MT= 56 (n,n') Level Cross Section 63-Eu-153
 -68.07 To 118.5 %



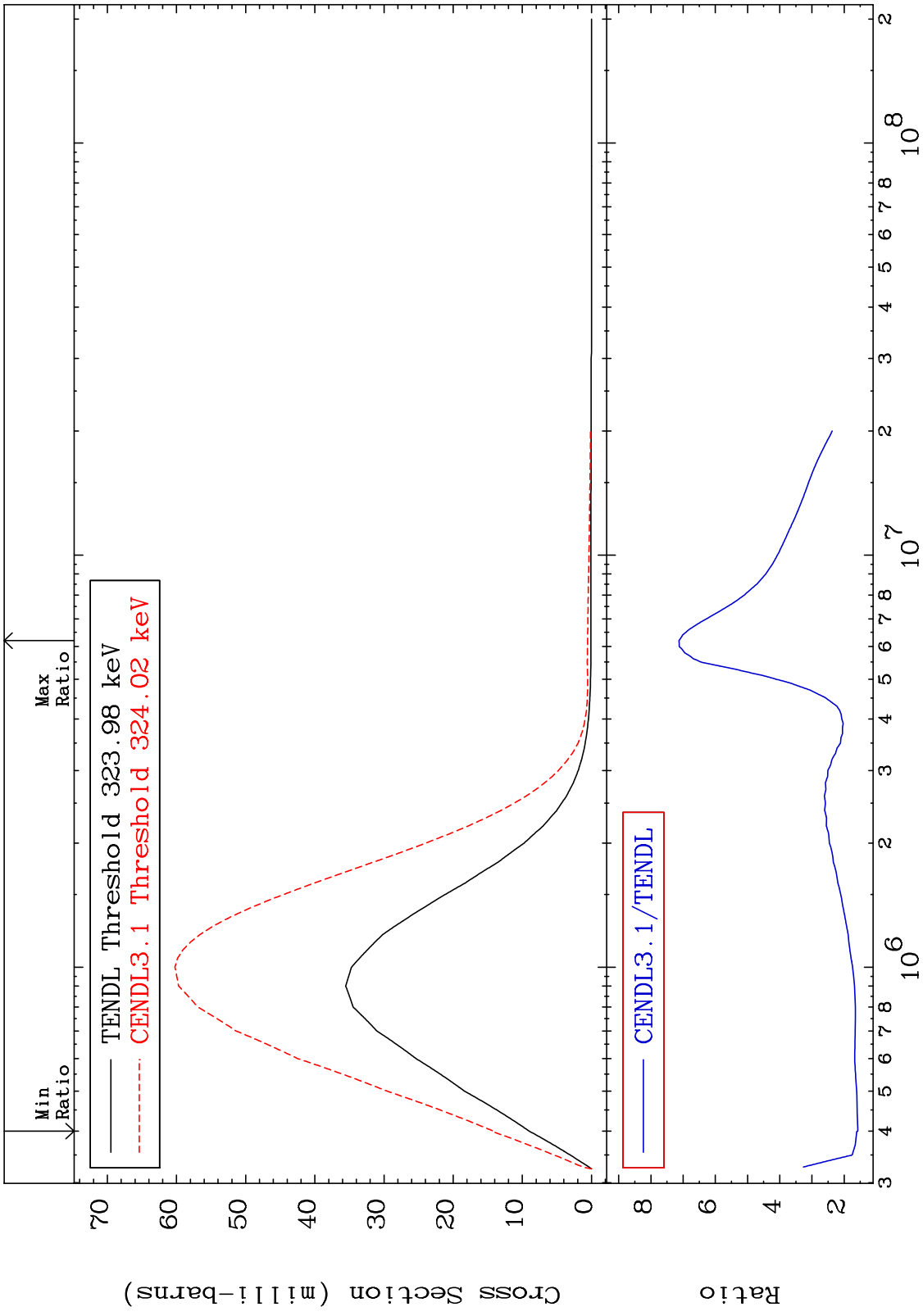
MAT 6331 MT= 57 (n,n') Level Cross Section 63-Eu-153 10.74 To 334.0 %



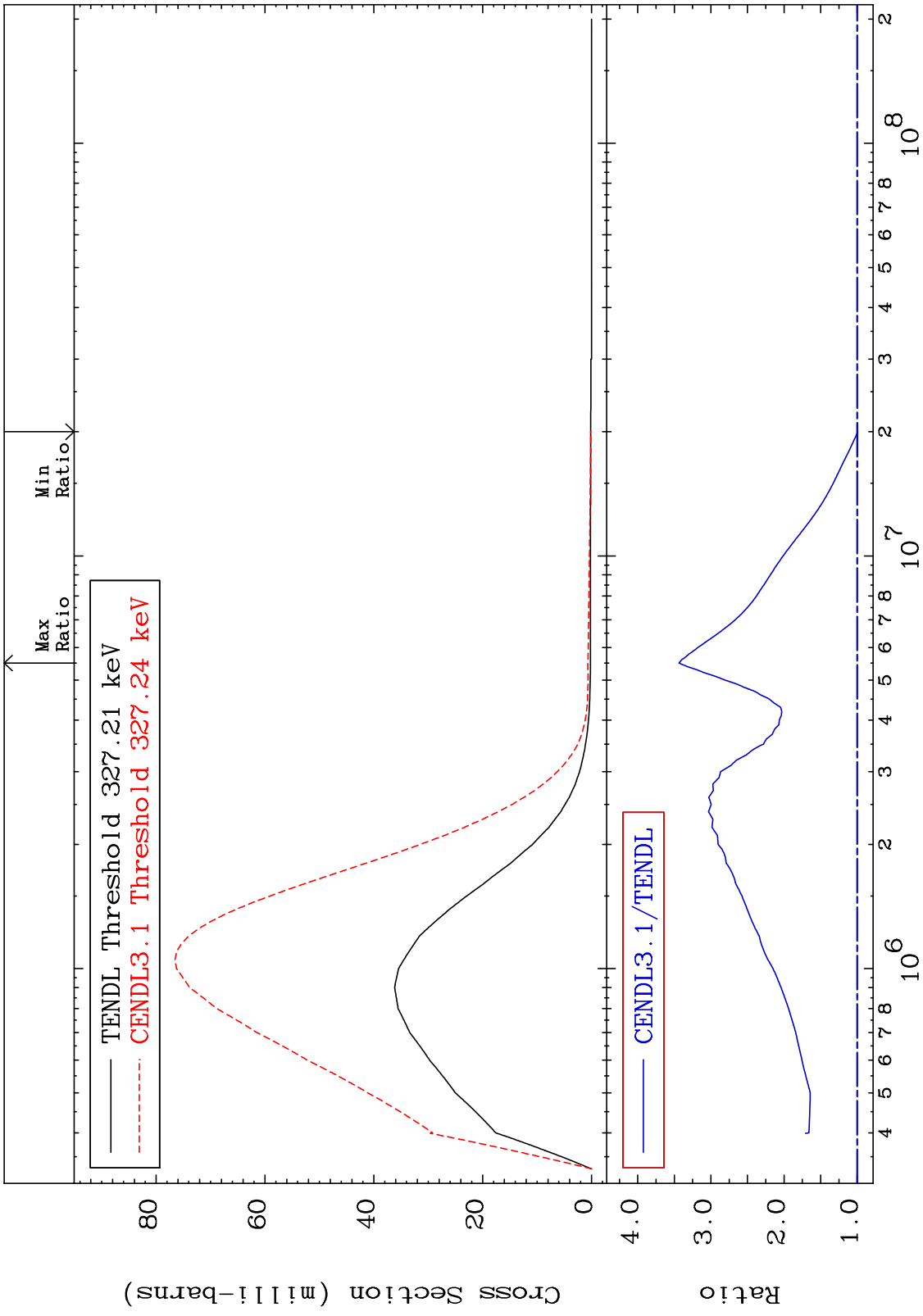
MAT 6331 MT= 58 (n,n') Level Cross Section 63-Eu-153 41.60 To 9999. %



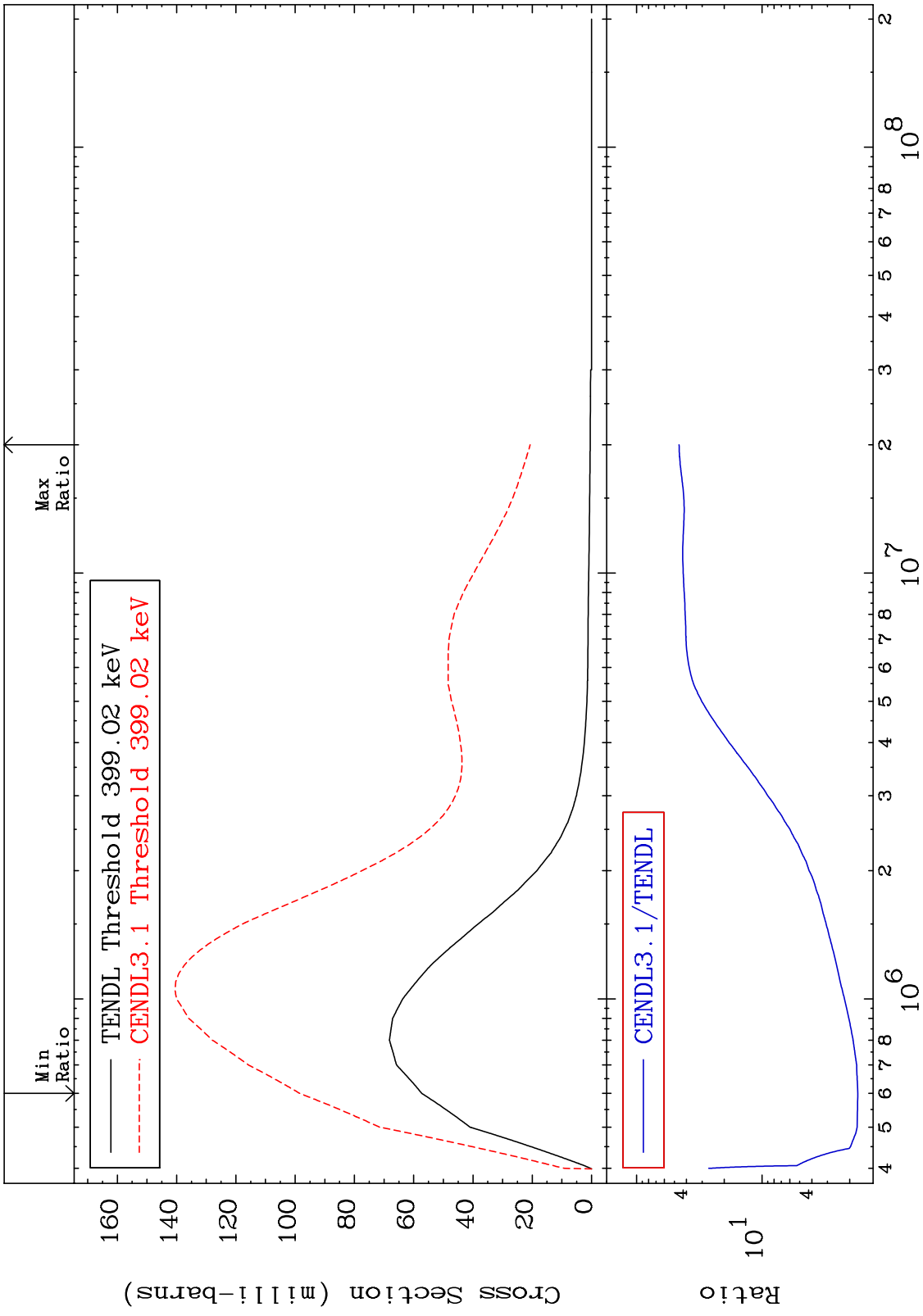
MAT 6331 MT= 59 (n,n') Level Cross Section 63-Eu-153 57.47 To 612.7 %

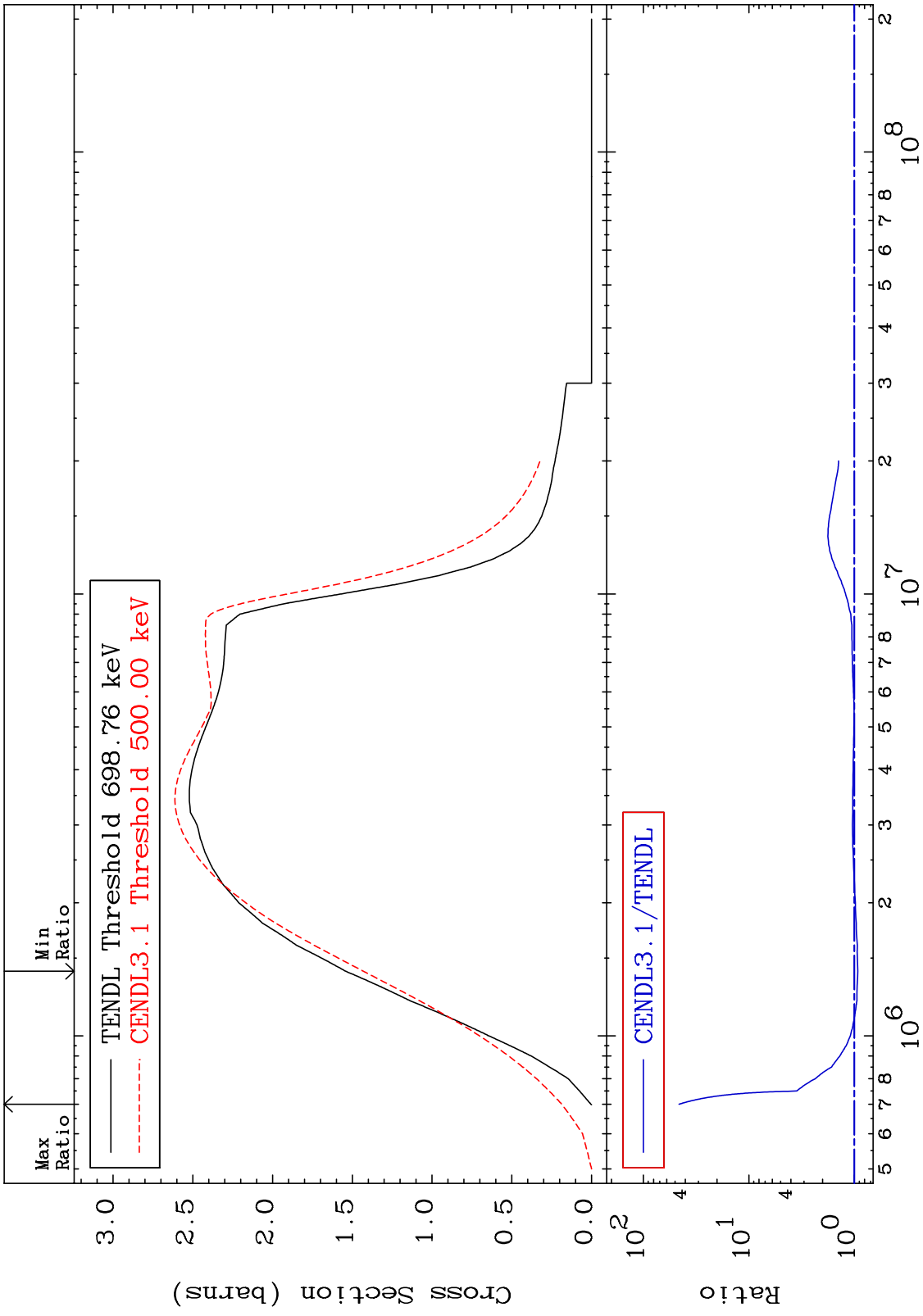


MAT 6331 MT= 60 (n,n') Level Cross Section 63-Eu-153 -0.869 To 243.5 %



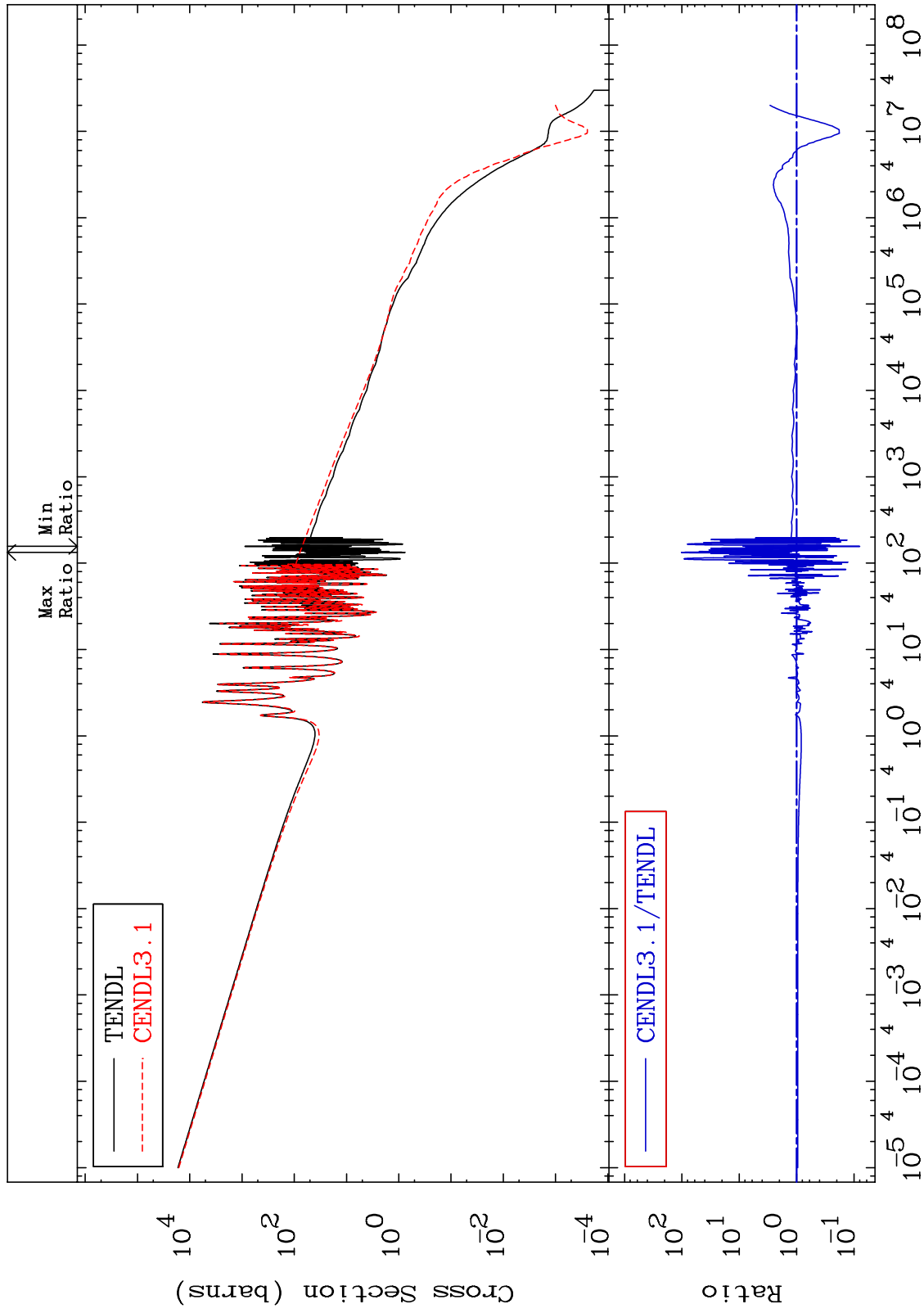
MAT 6331 MT= 61 (n,n') Level Cross Section 63-Eu-153 71.90 To 4482. %

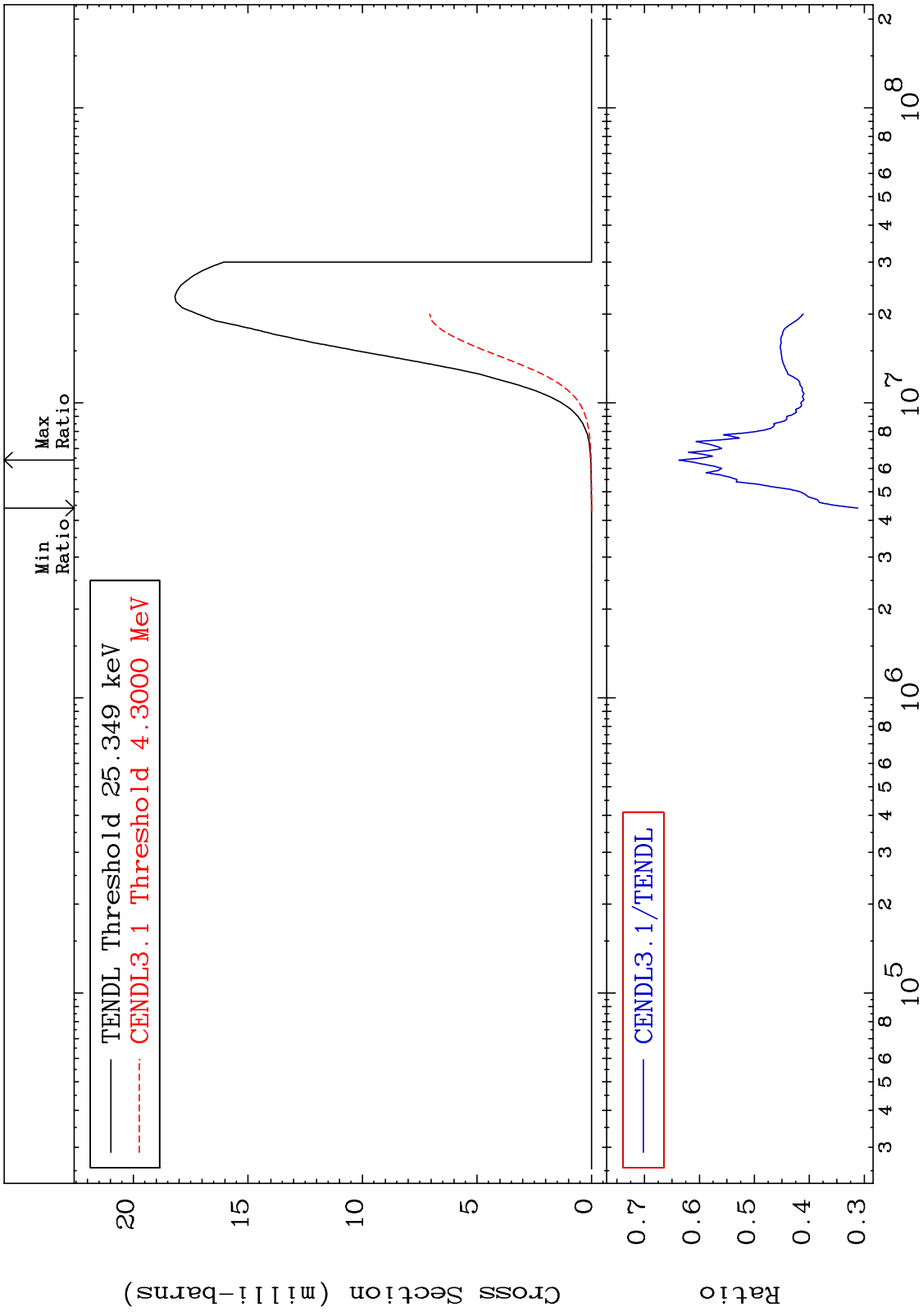




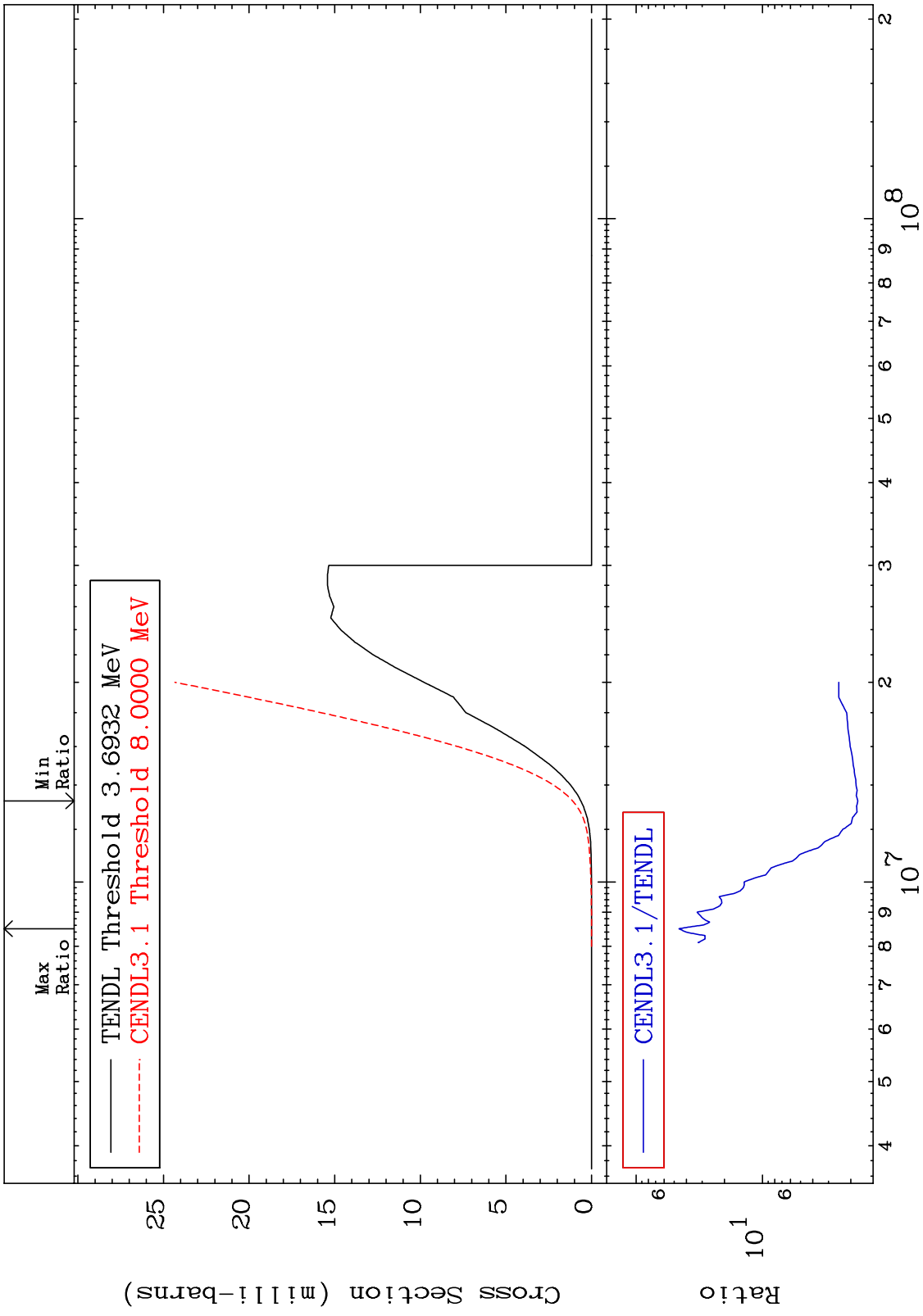
MAT 6331

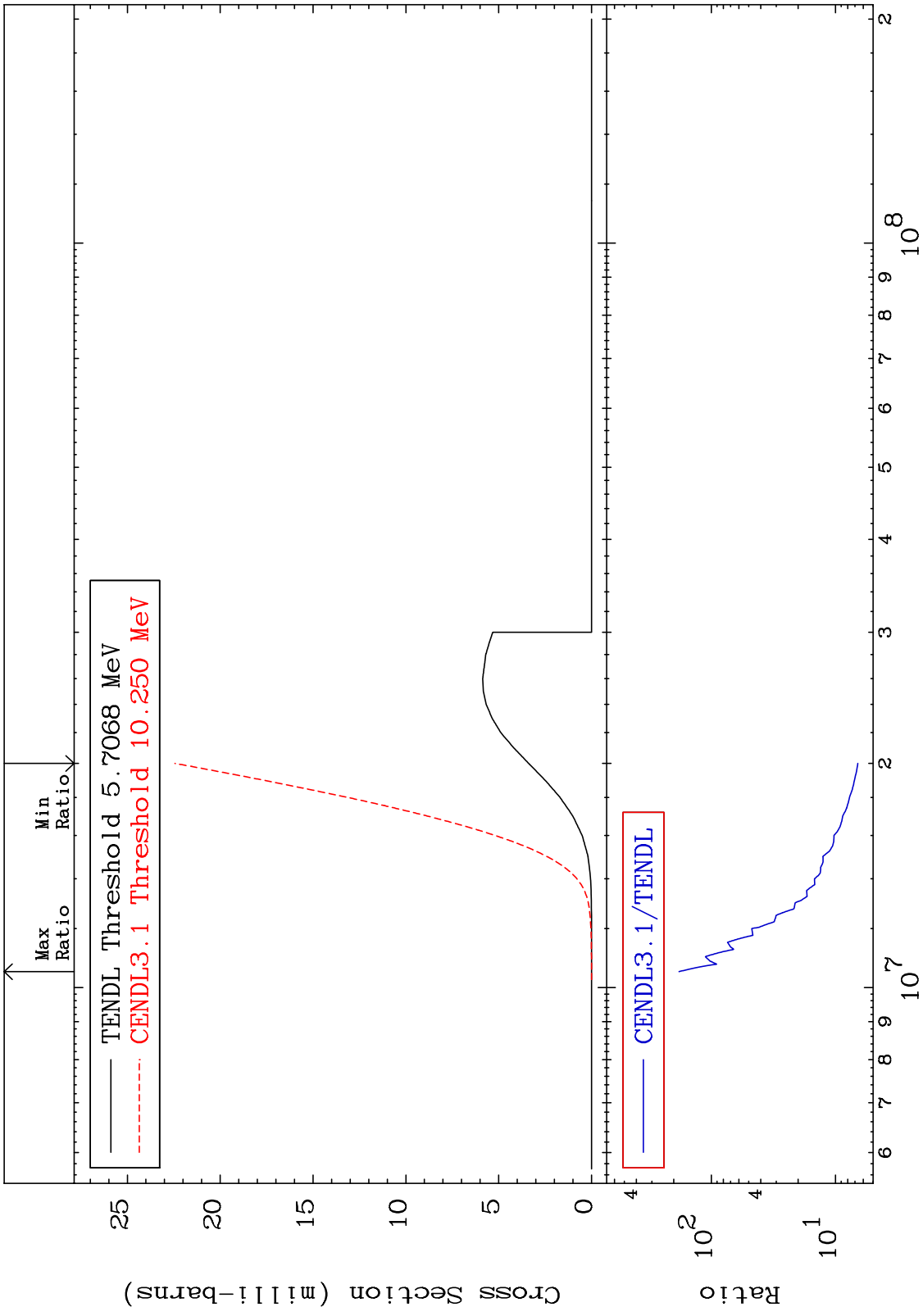
(n, γ) Cross Section
63-Eu-153
-92.04 To 9999. %





MAT 6331 (n,d) Cross Section 63-Eu-153 To 4469. %
75.60





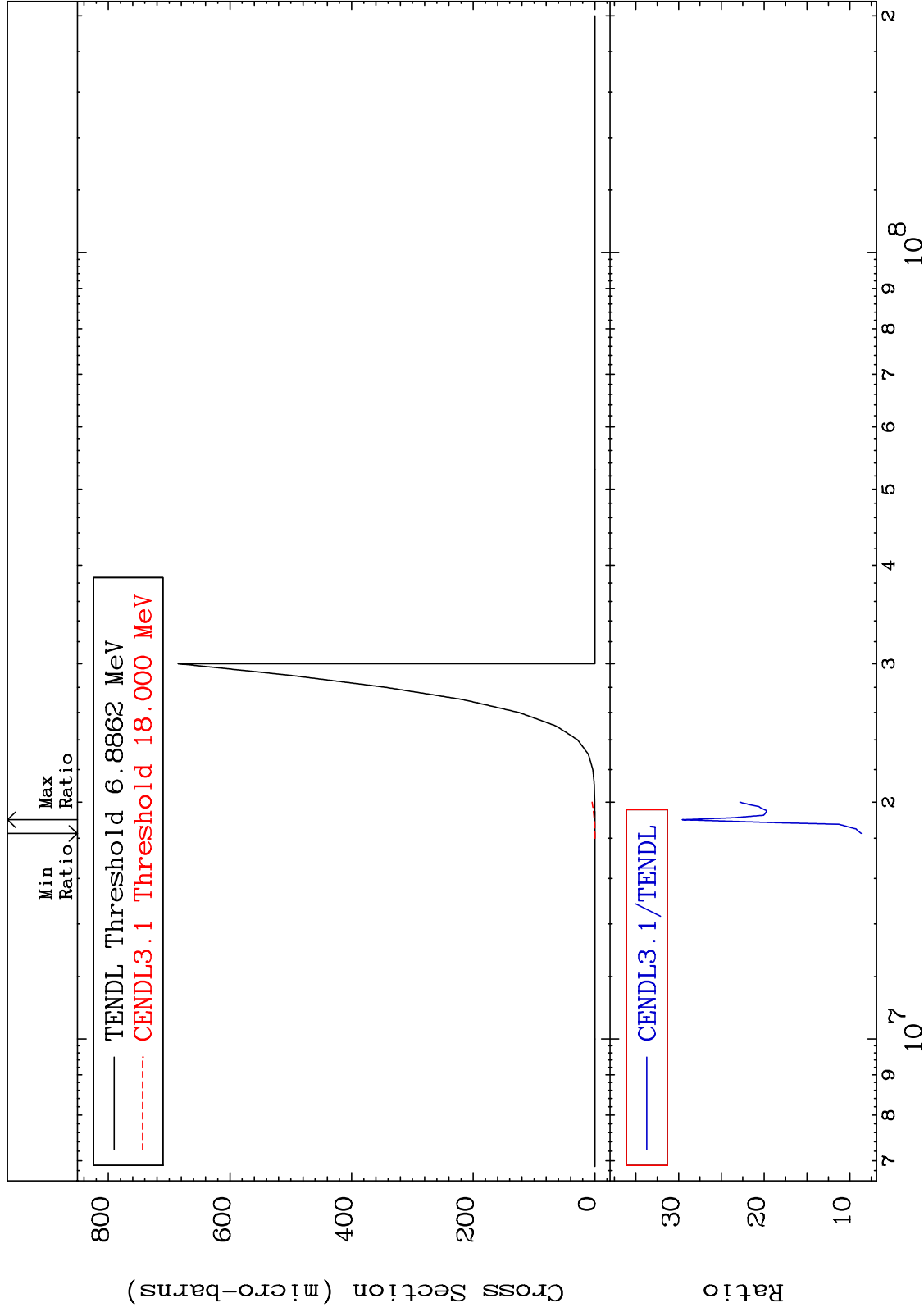
MAT 6331

(n, He-3)

63-Eu-153

766.9 To 2855. %

Cross Section



MAT 6331

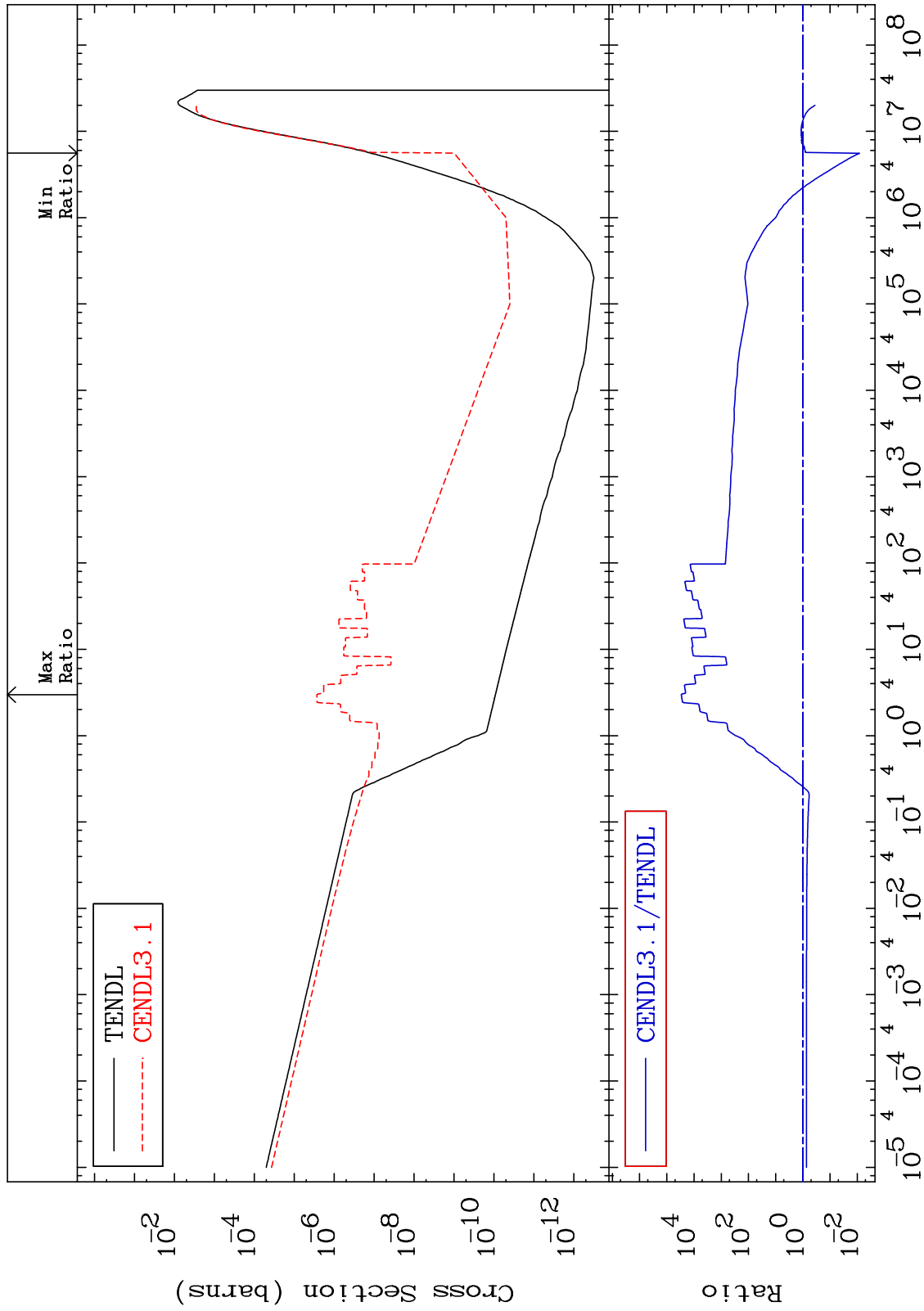
63-Eu-153

(n, α)

Cross Section

Cross Section

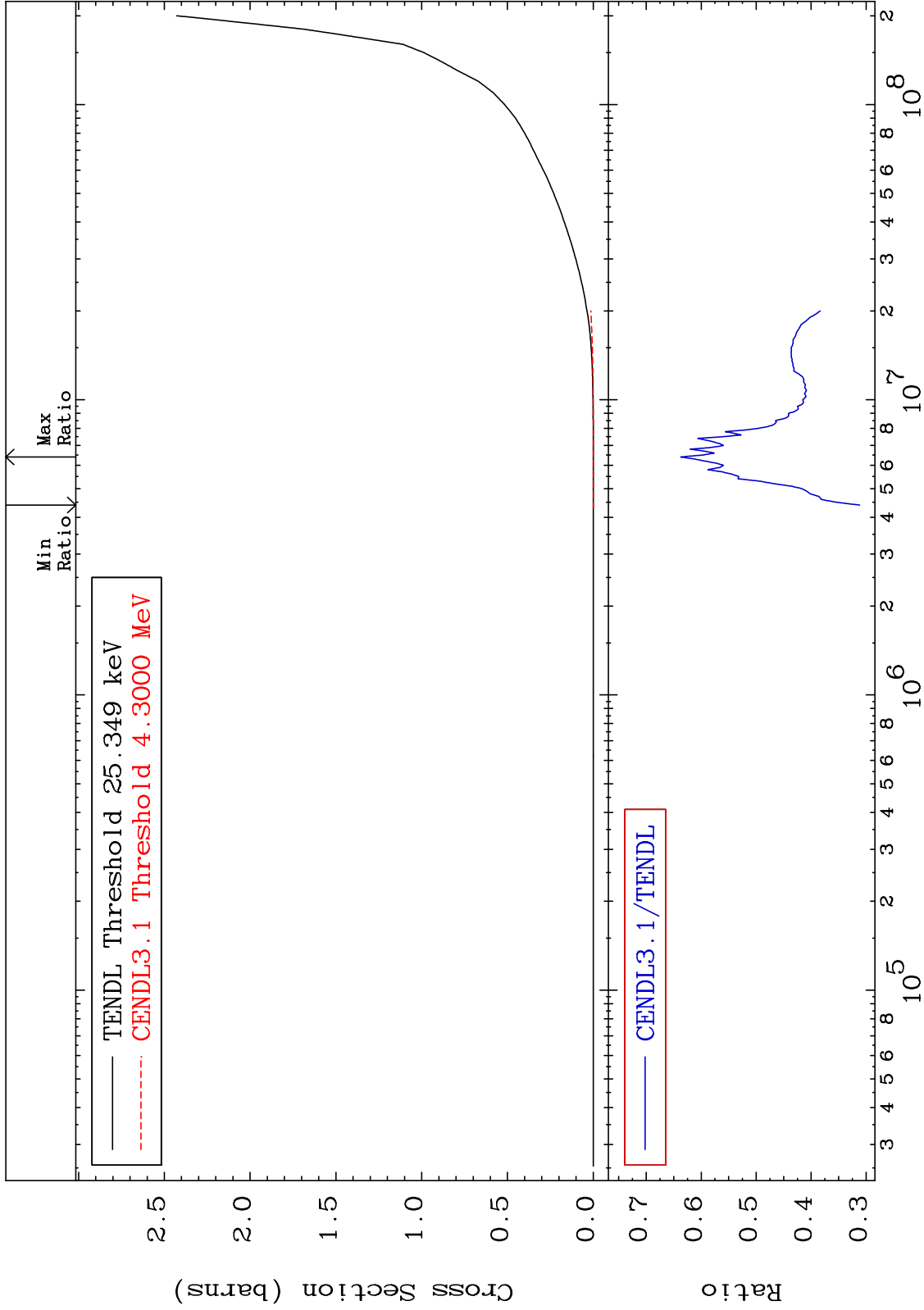
-99.19 To 9999. %



MAT 6331

Hydrogen Production
Cross Section

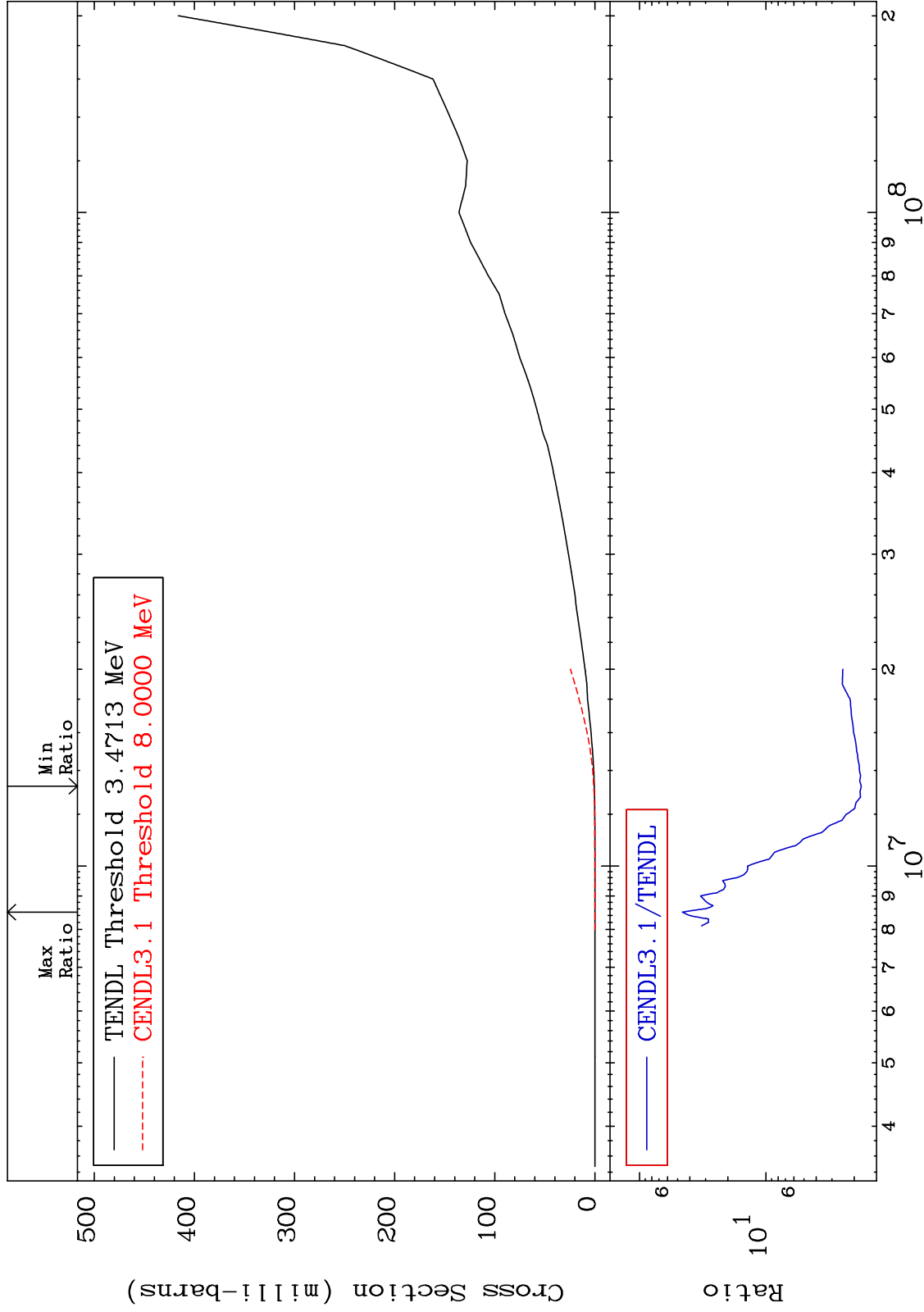
63-Eu-153
-68.82 To -36.29%



MAT 6331

Deuterium Production
Cross Section

$^{63}\text{Eu-153}$
To 4469. %
75.60



27

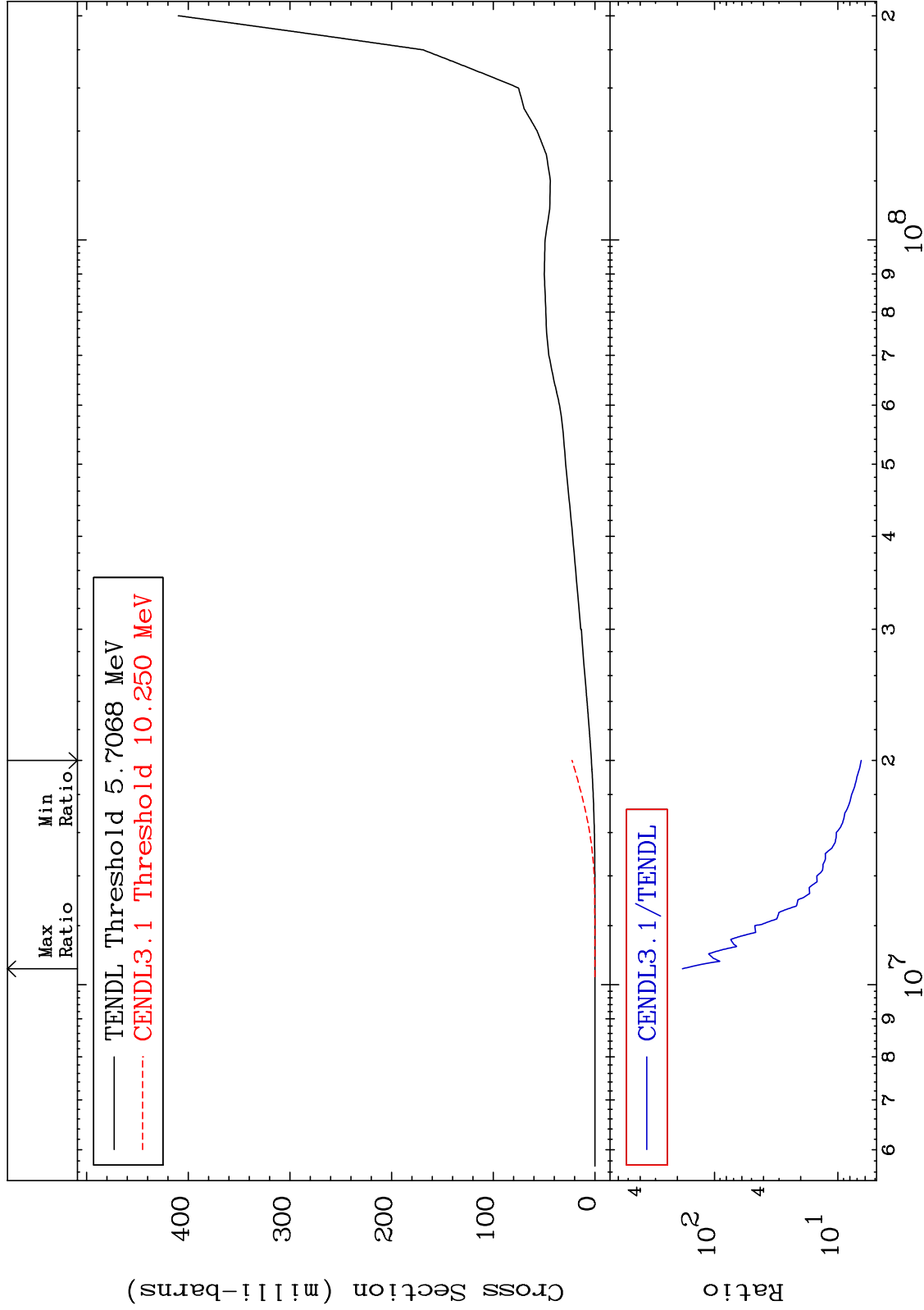
Incident Energy (eV)

$^{63}\text{Eu-153}$

MAT 6331

Tritium Production
Cross Section

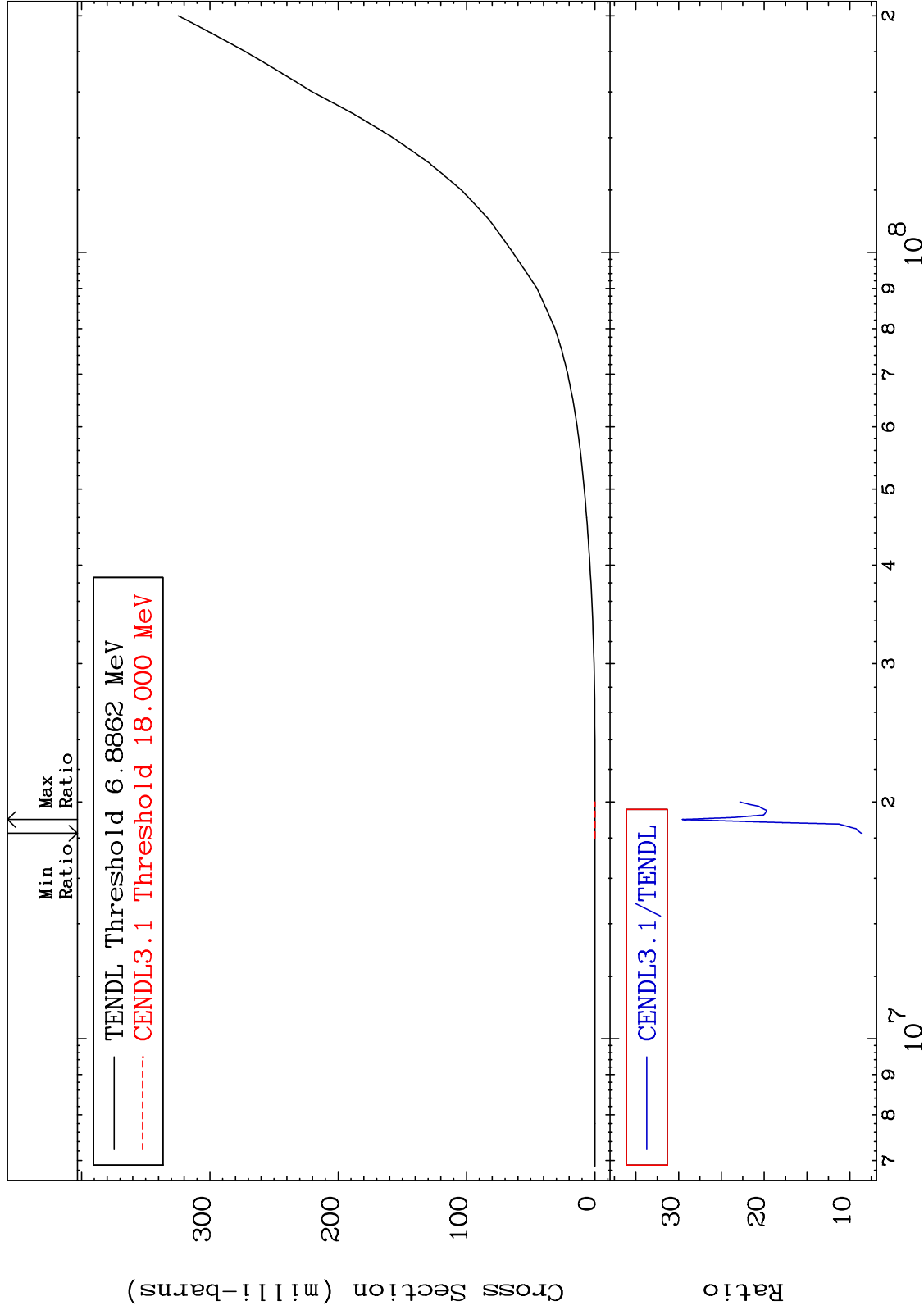
63-Eu-153
546.0 To 9999. %



MAT 6331

He-3 Production
Cross Section

63-Eu-153
766.9 To 2855. %



29

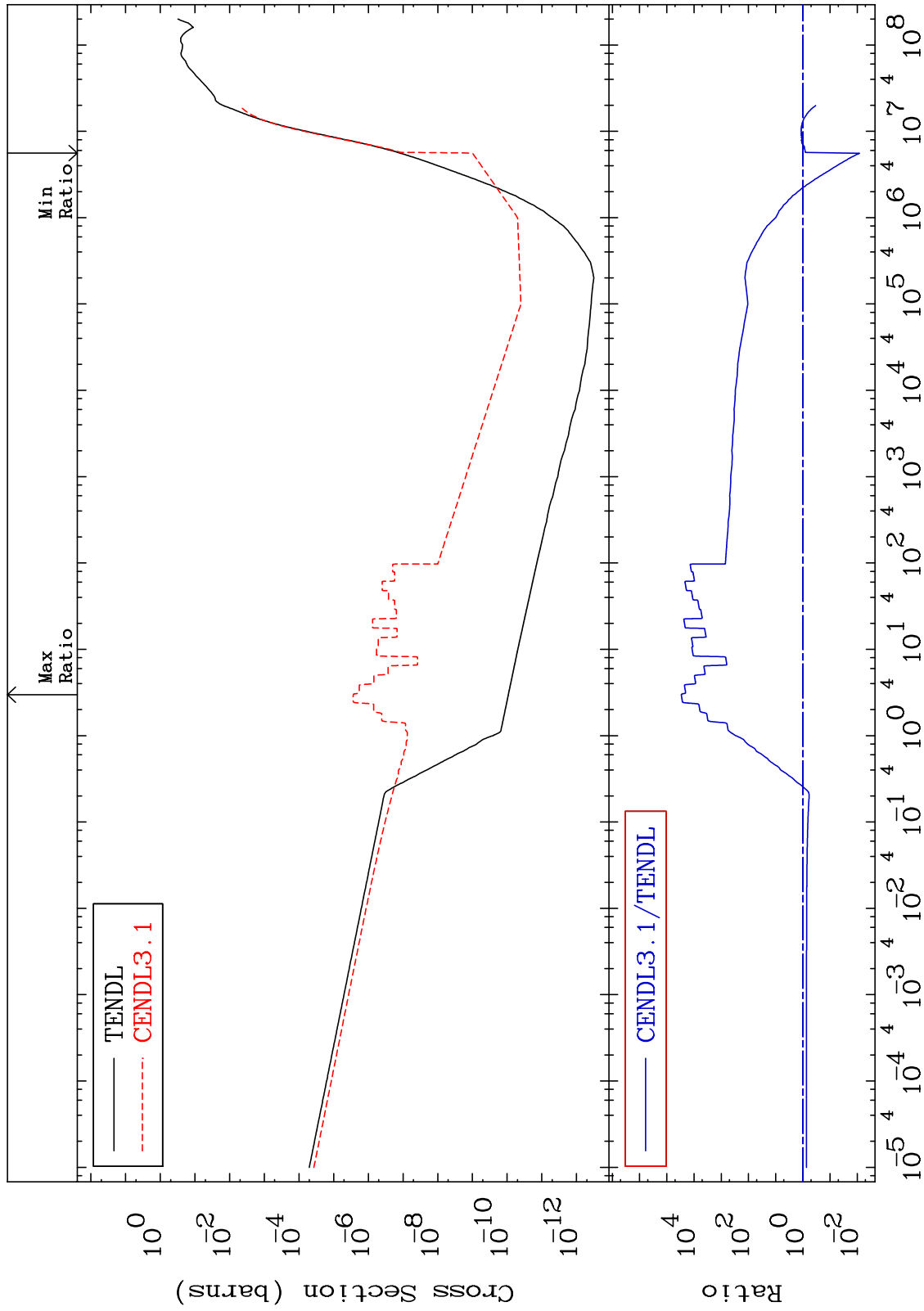
Incident Energy (eV)

63-Eu-153

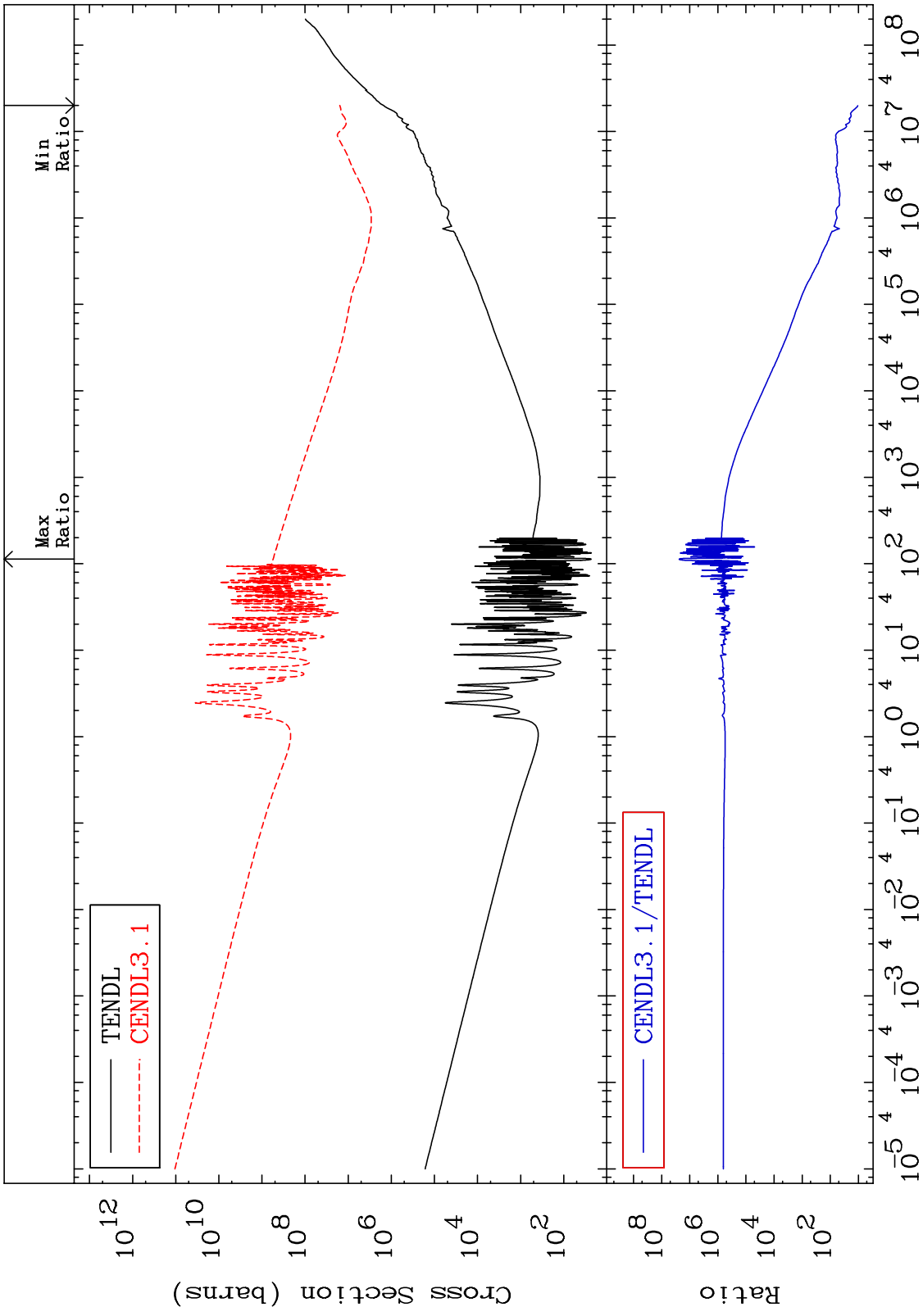
MAT 6331

He-4 Production
Cross Section

63-Eu-153
-99.19 To 9999. %



MAT 6331 Kerma total (eV-barns) 63-Eu-153
 Cross Section 944.3 To 9999. %

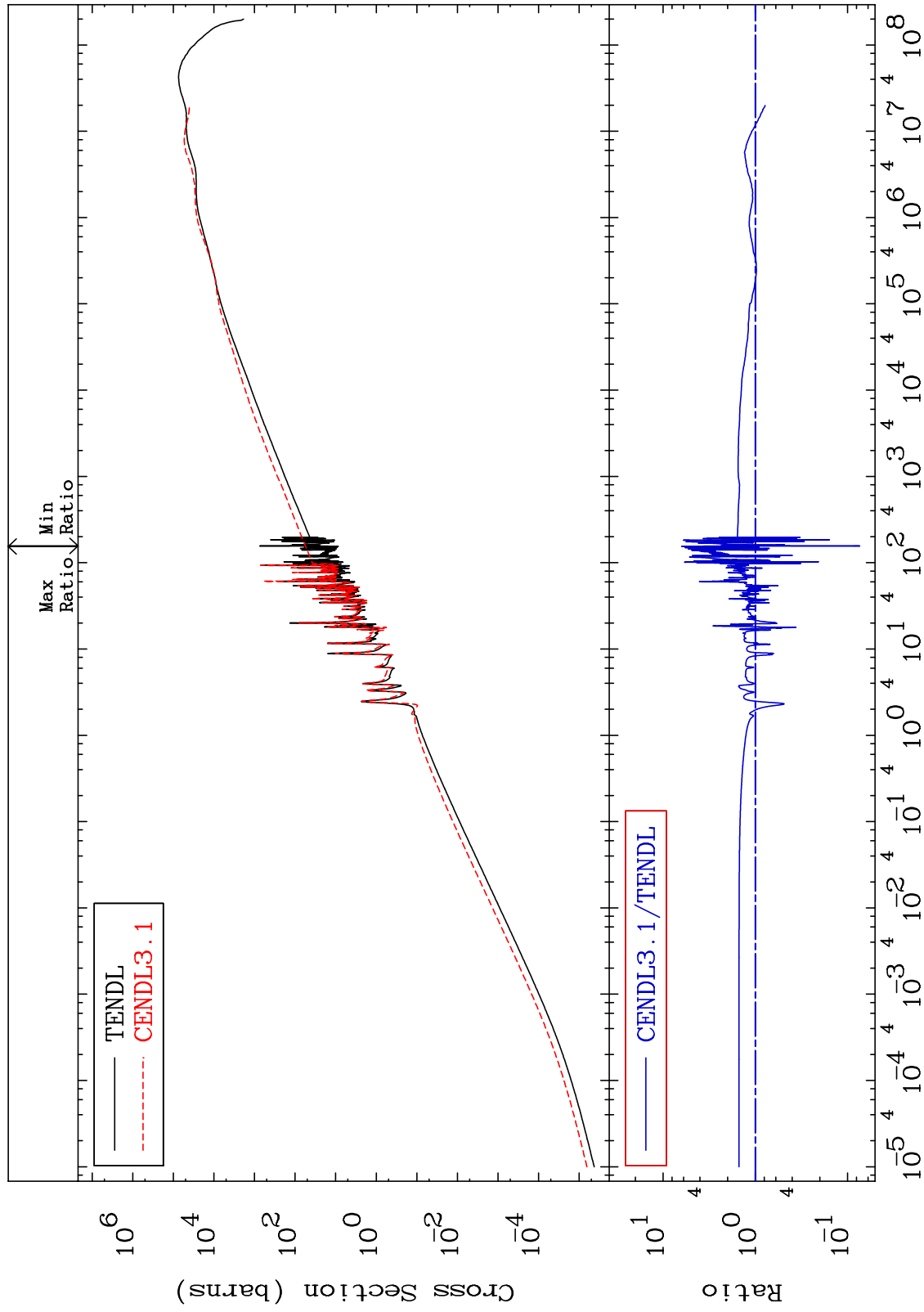


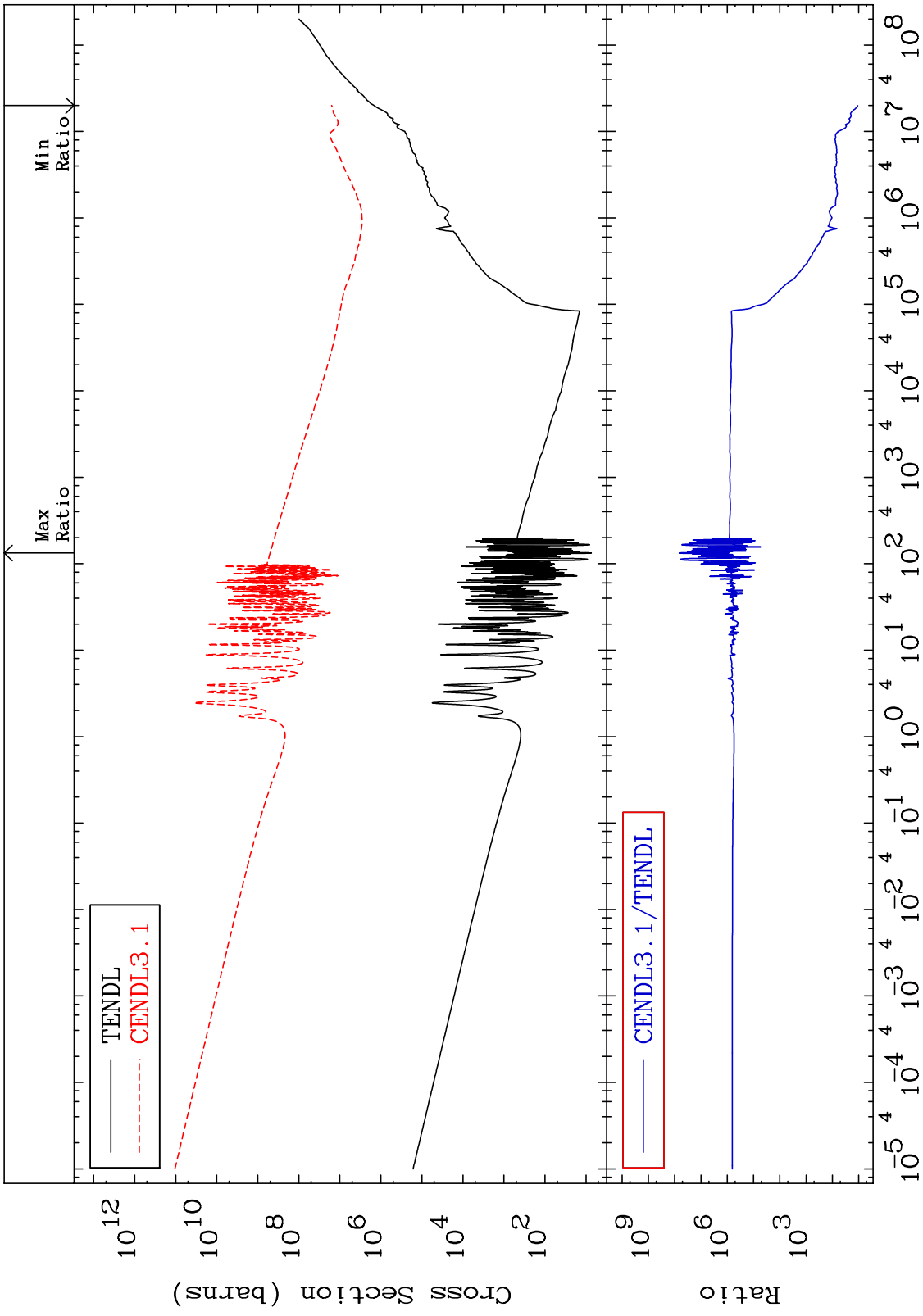
31 Incident Energy (eV) 63-Eu-153

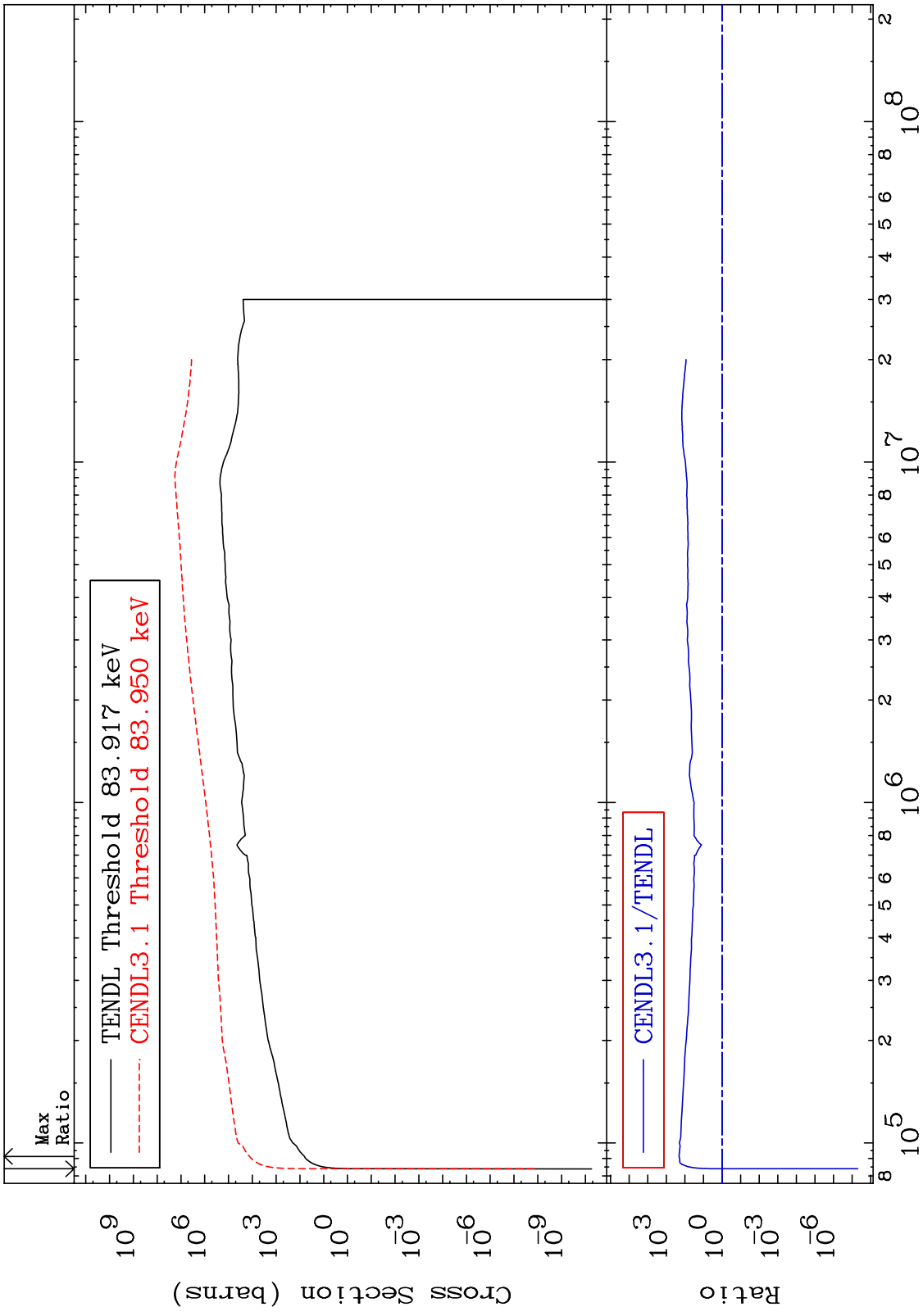
MAT 6331

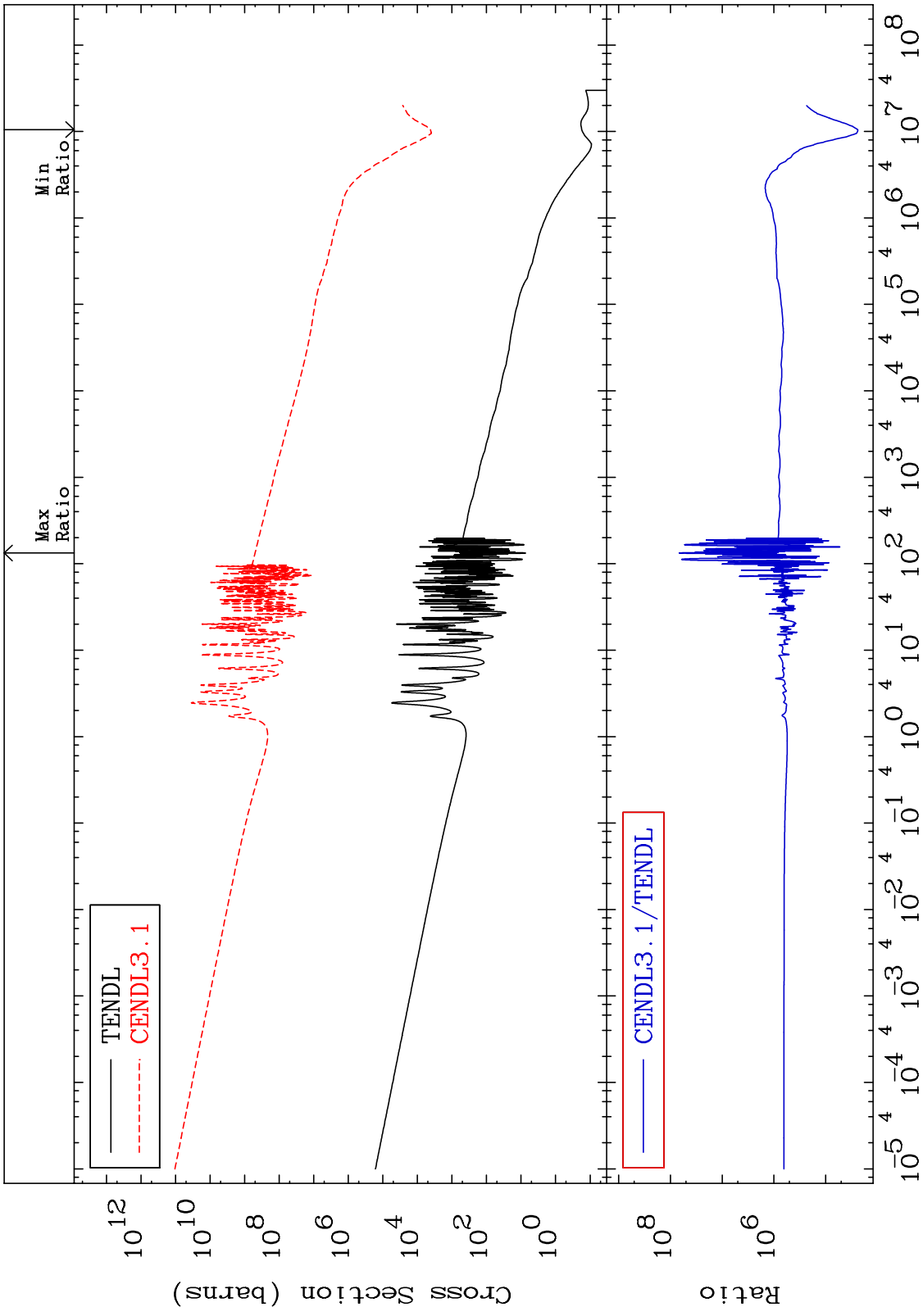
Kerma elastic
Cross Section

63-Eu-153
-92.62 To 533.4 %





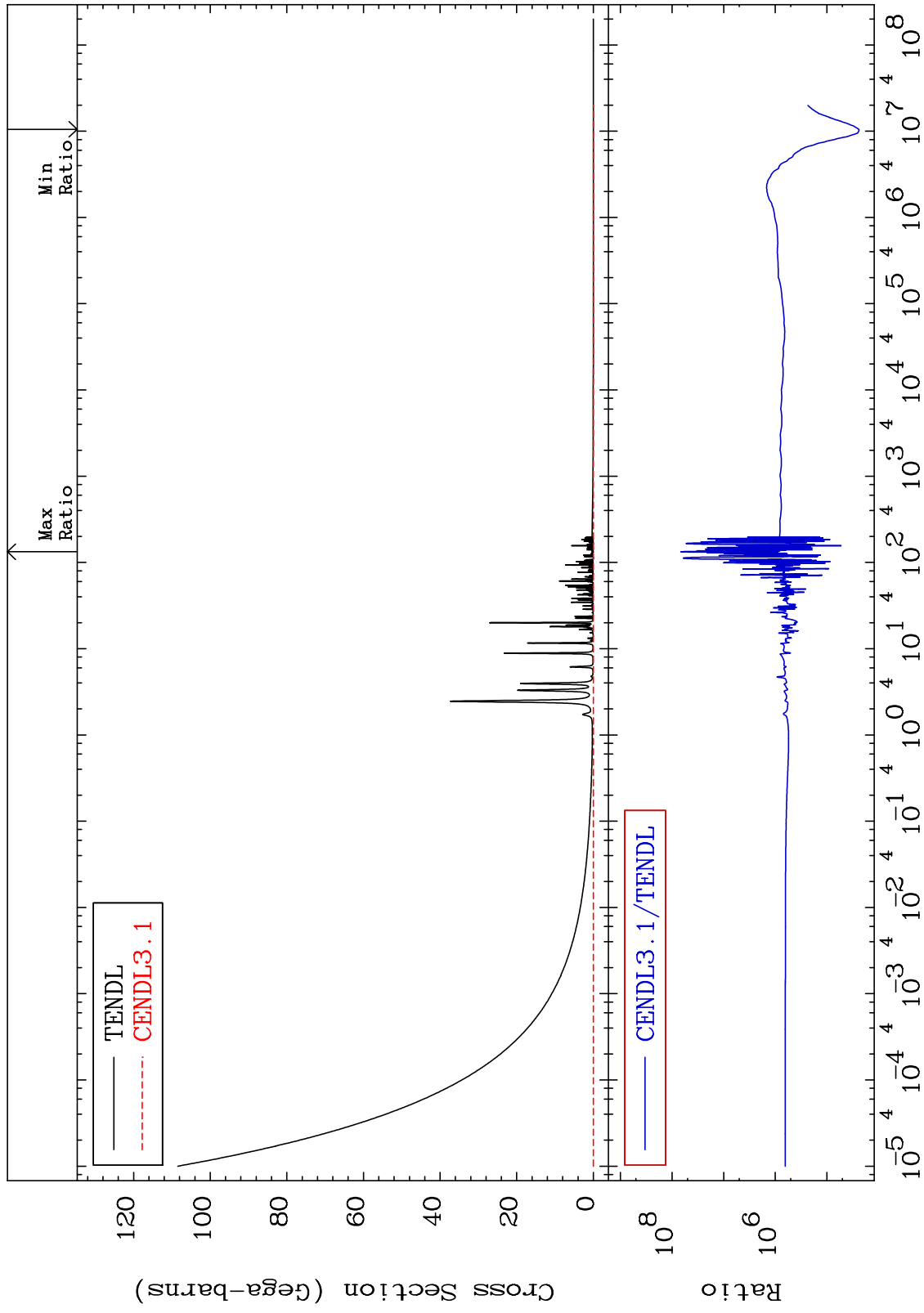




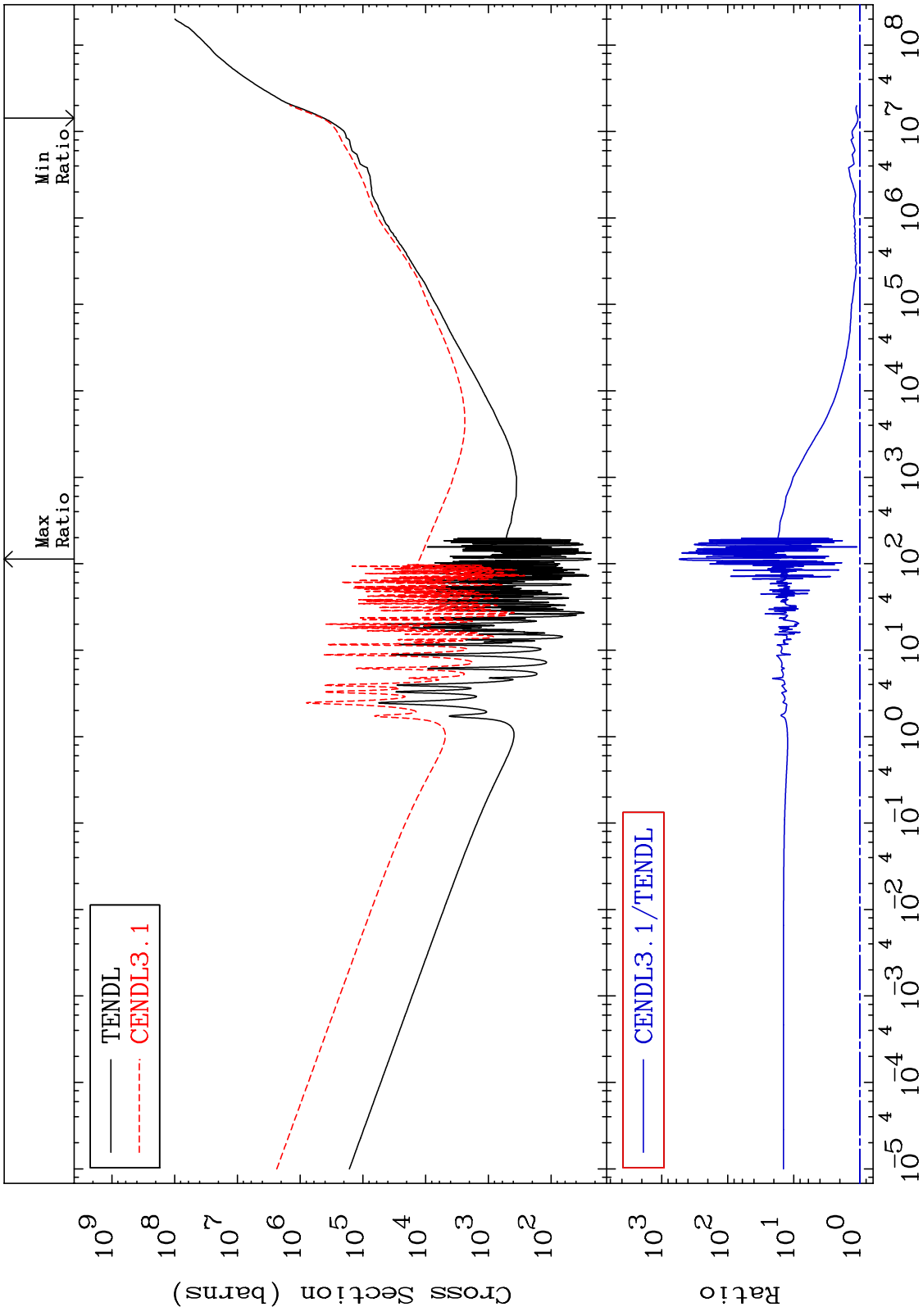
MAT 6331

Total photon (eV-barns)
Cross Section

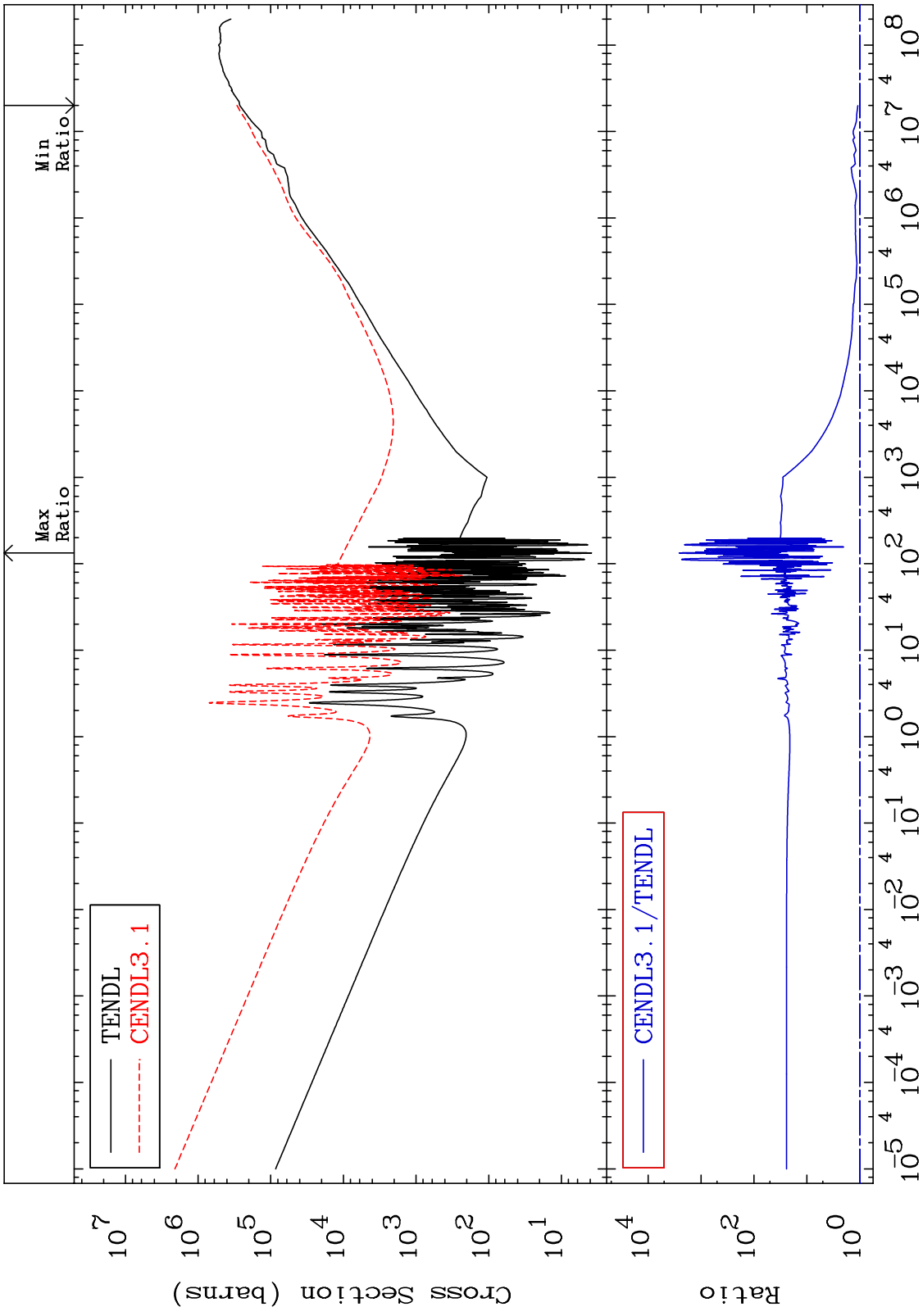
63-Eu-153
9999. To 9999. %



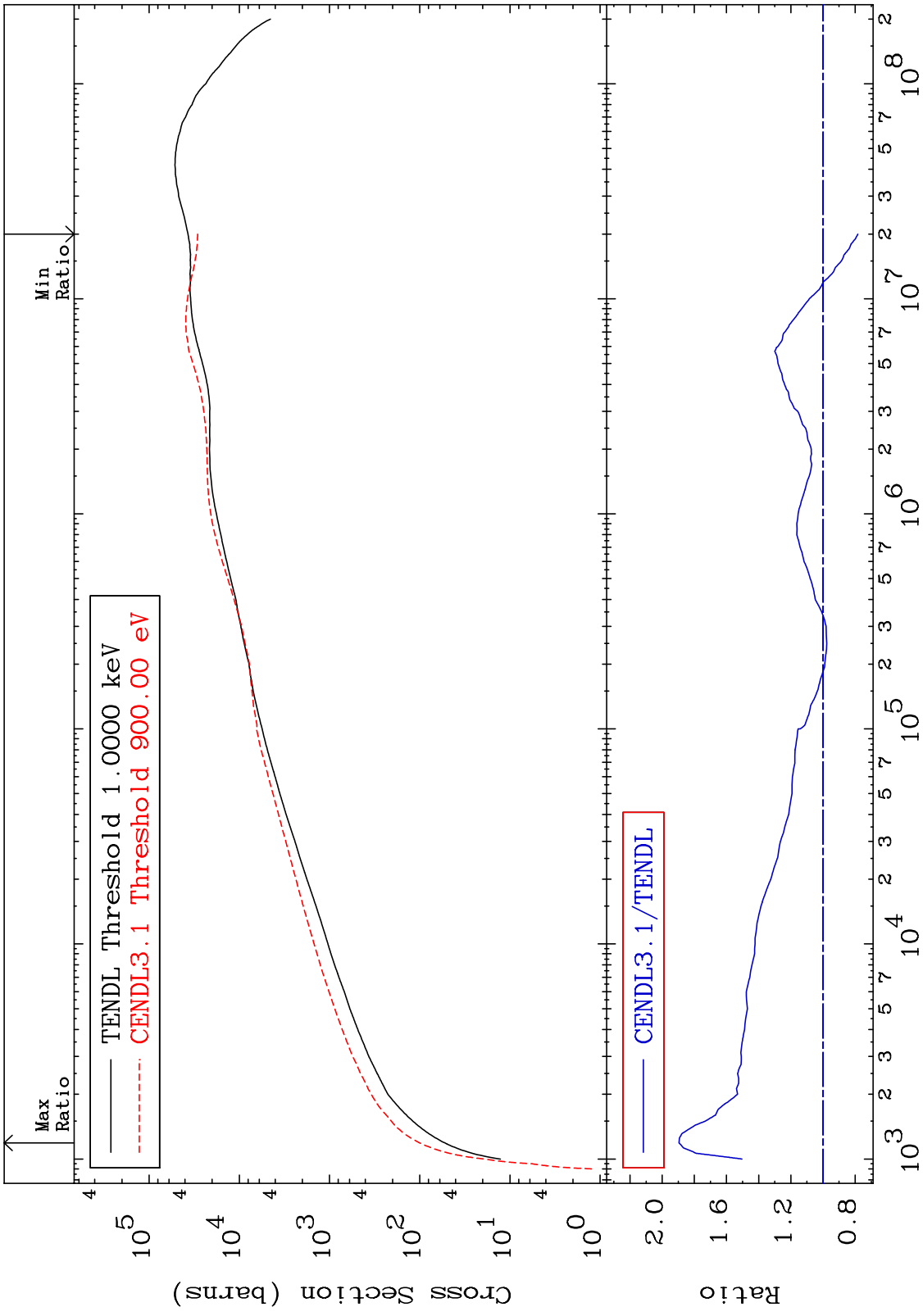
MAT 6331 Total kinematic kerma (high limit) Cross Section 63-Eu-153 6.796 To 9999. %



MAT 6331 Dpa total (eV-barns) 63-Eu-153
 Cross Section 8.965 To 9999. %

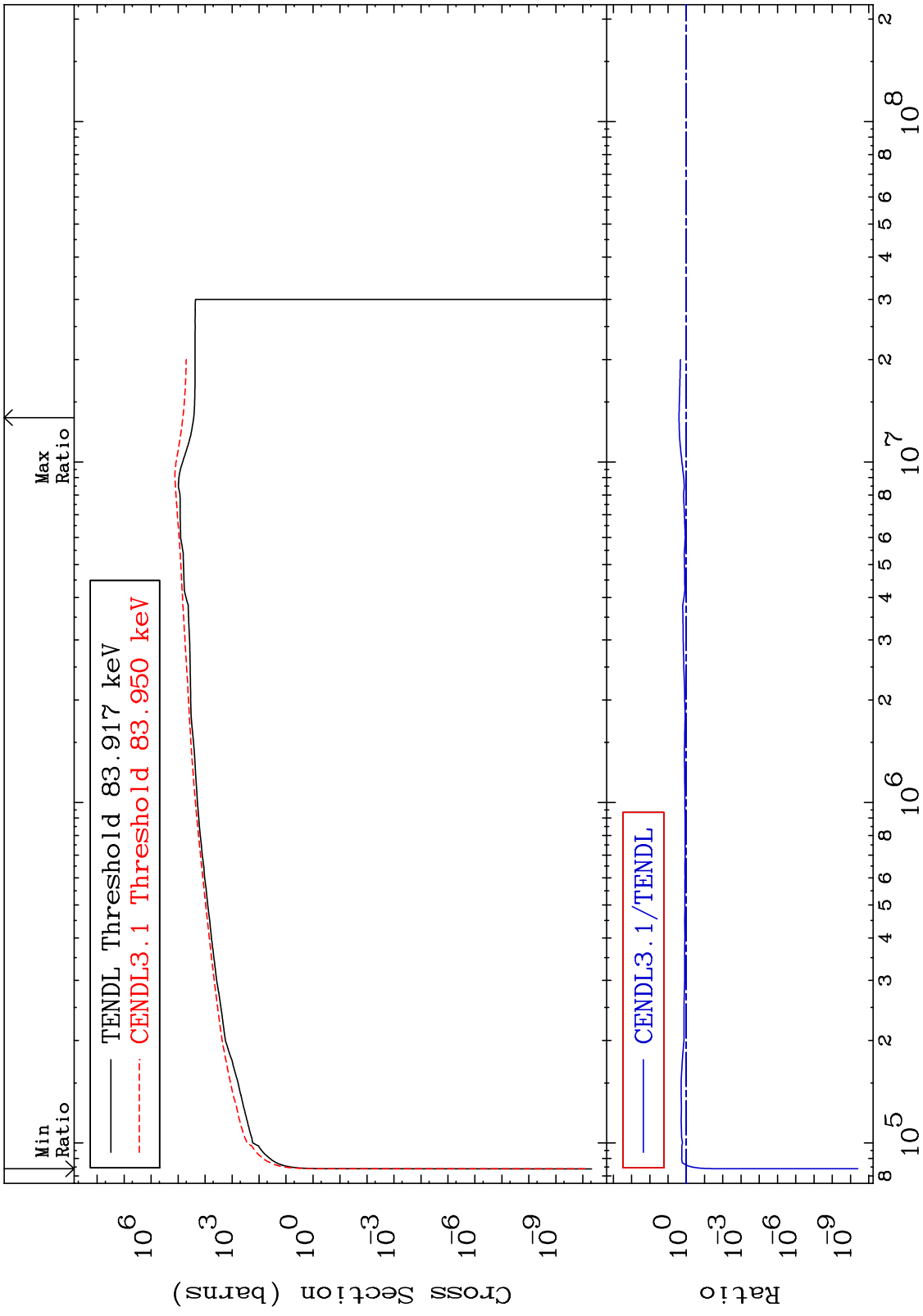


MAT 6331 Dpa elastic (mt2) Cross Section 63-Eu-153 -21.67 To 89.51 %

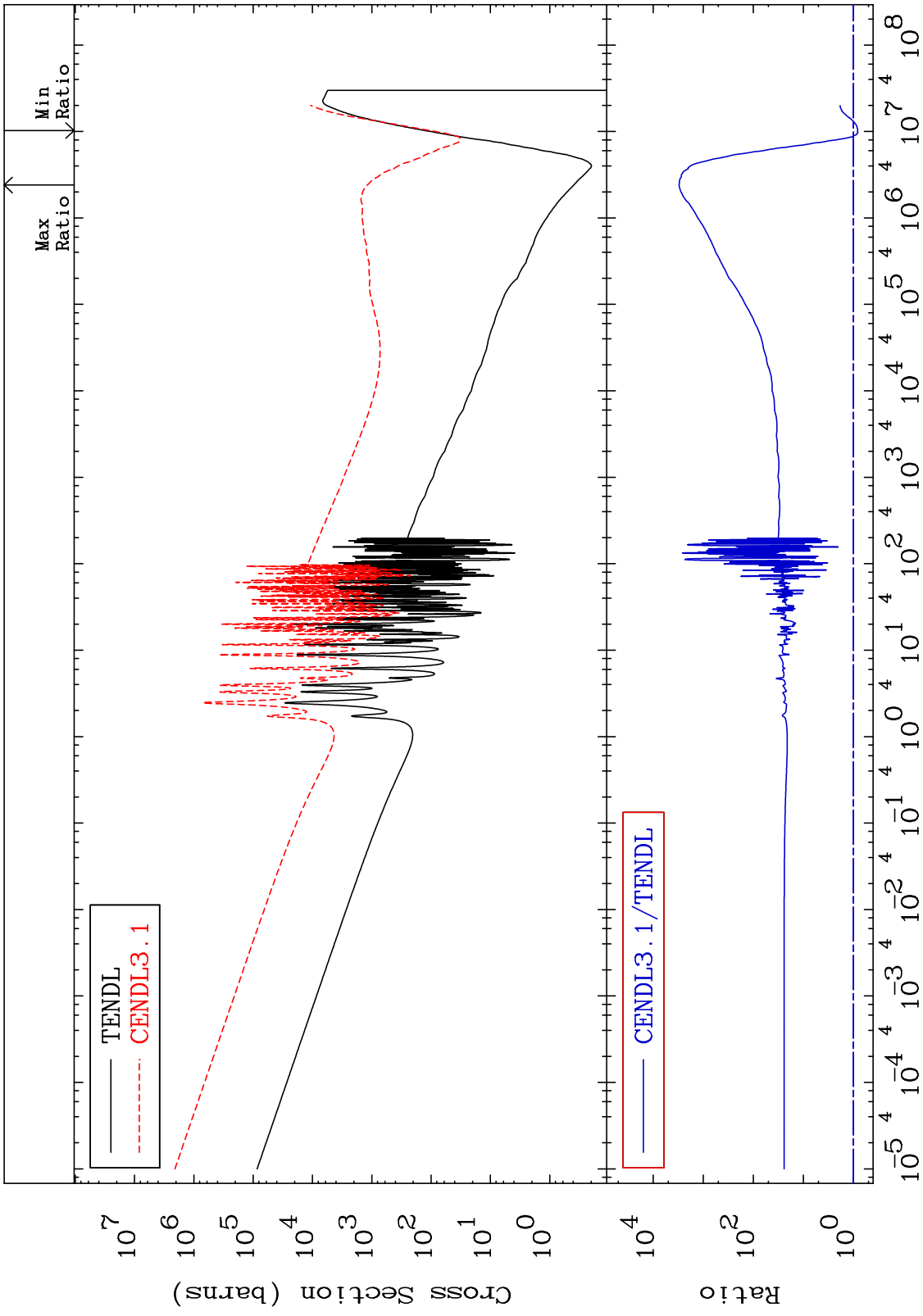


40 Incident Energy (eV) 63-Eu-153

MAT 6331 Dpa inelastic (mt51-91) 63-Eu-153
 Cross Section -100.0 To 149.7 %



MAT 6331 Dpa disappearance (mt102 -120) 63-Eu-153
 Cross Section -18.02 To 9999. %



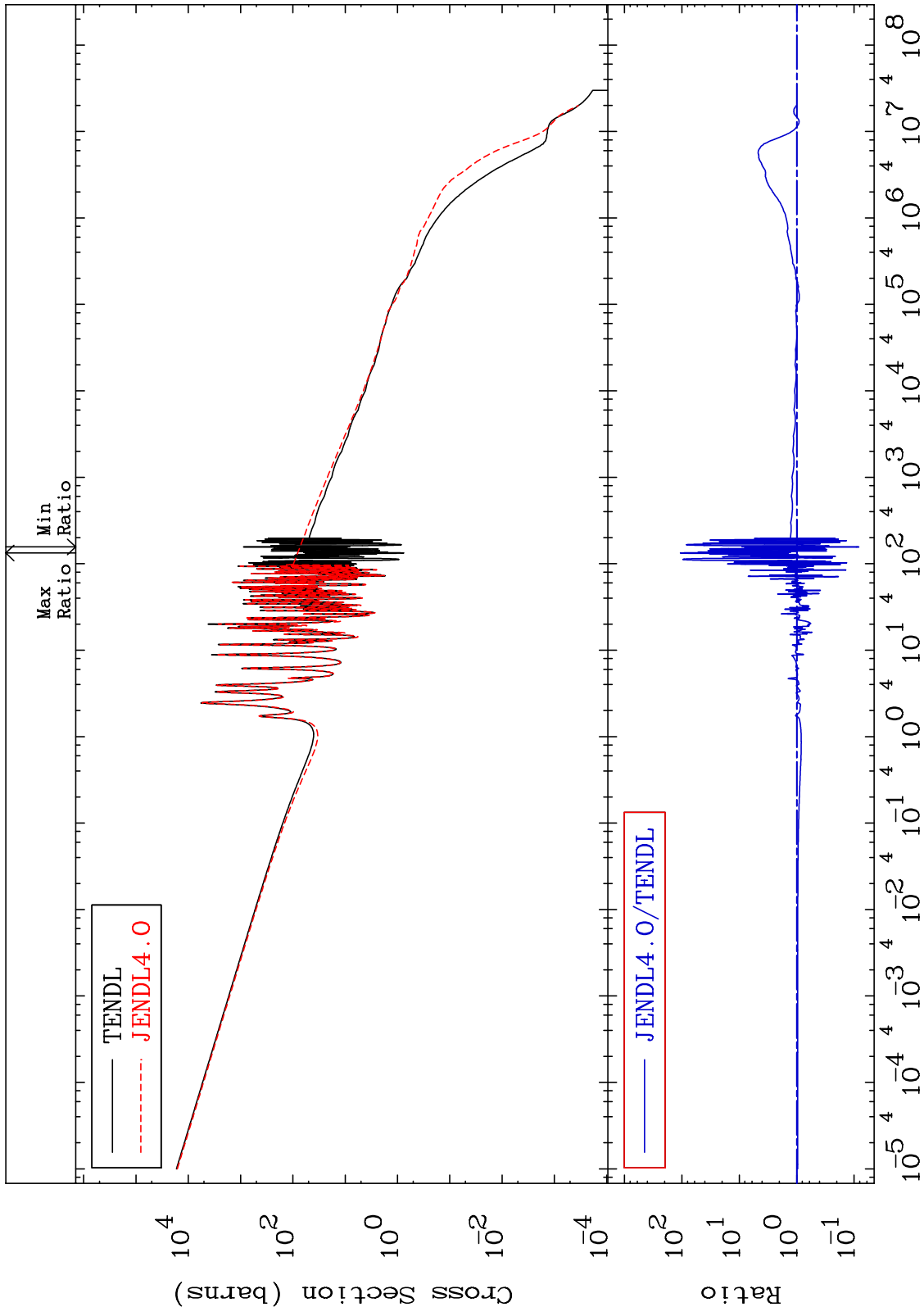
MAT 6331

(n, γ)

63-Eu-153

-91.75 To 9999. %

Cross Section



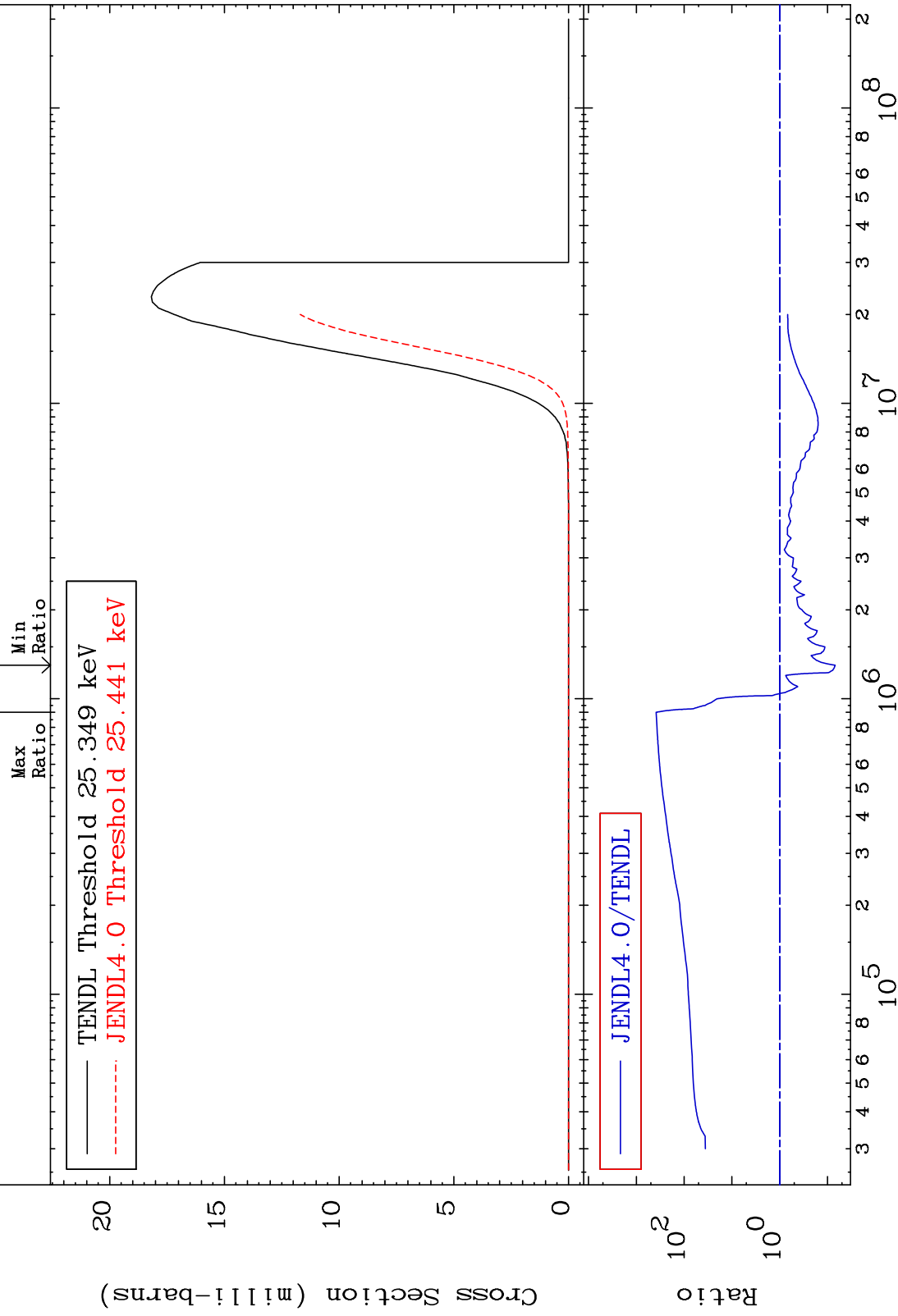
MAT 6331

(n,p)

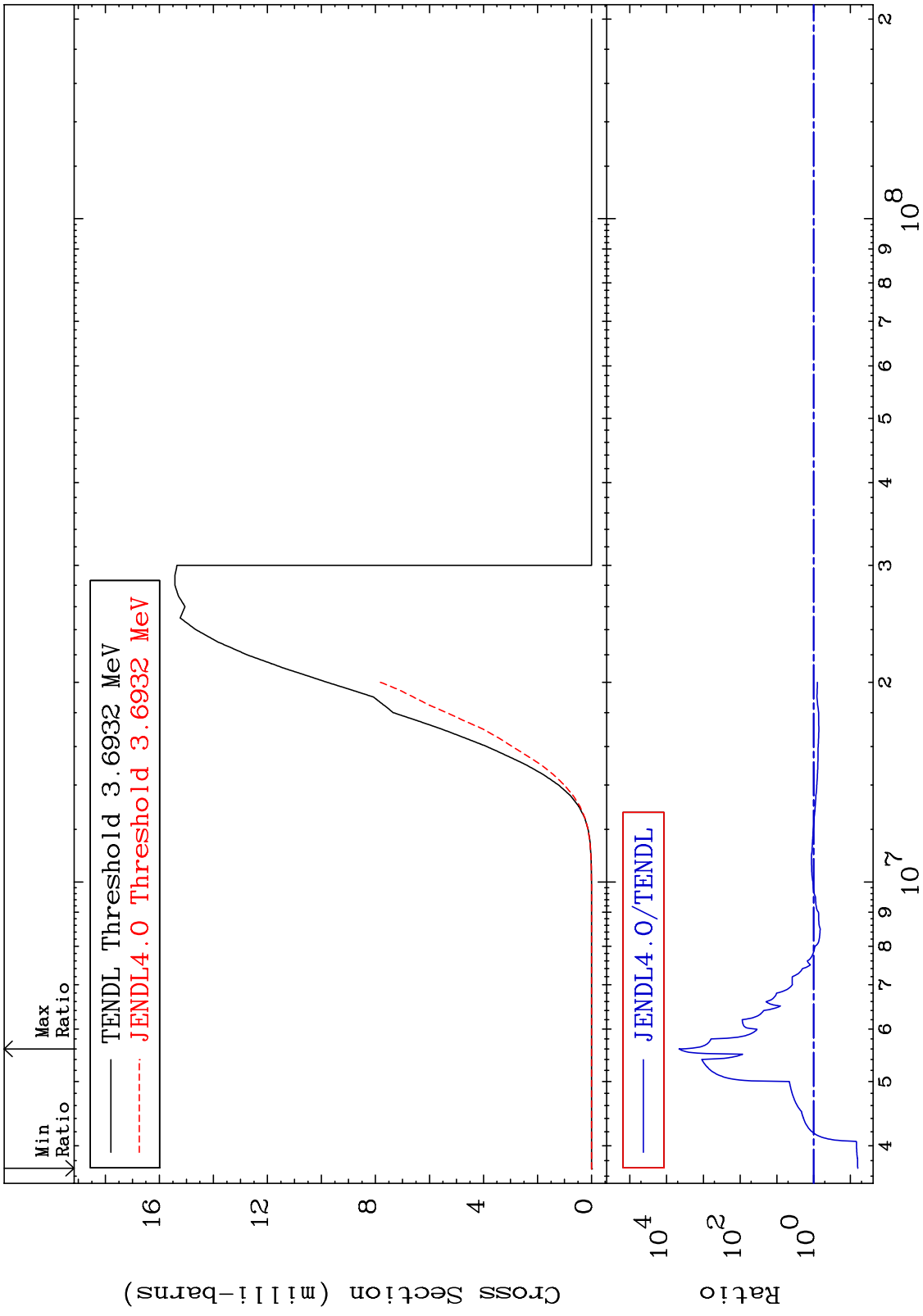
63-Eu-153

-93.09 To 9999. %

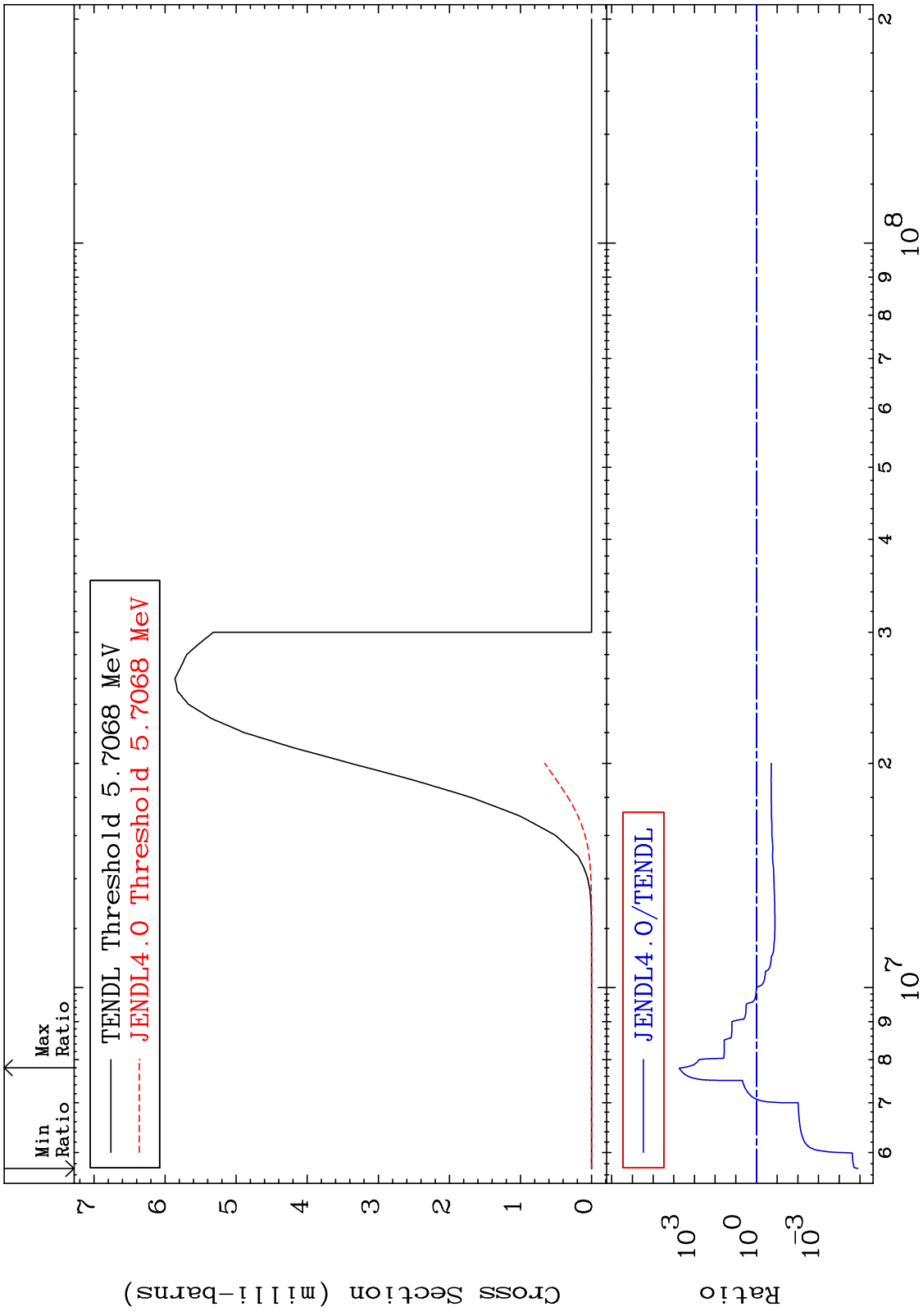
Cross Section

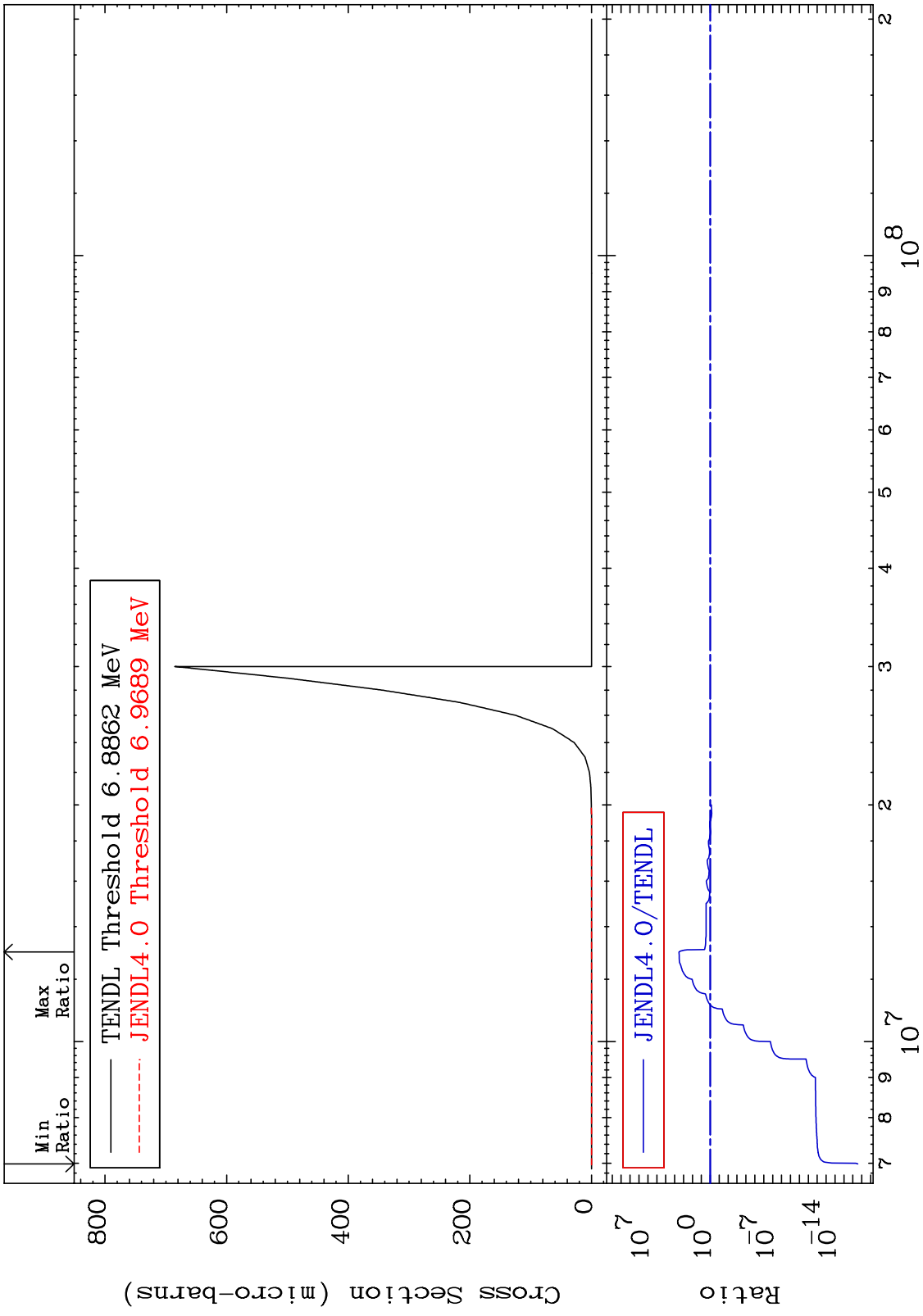


MAT 6331 (n,d) 63-Eu-153
 Cross Section -93.70 To 9999. %



45 63-Eu-153





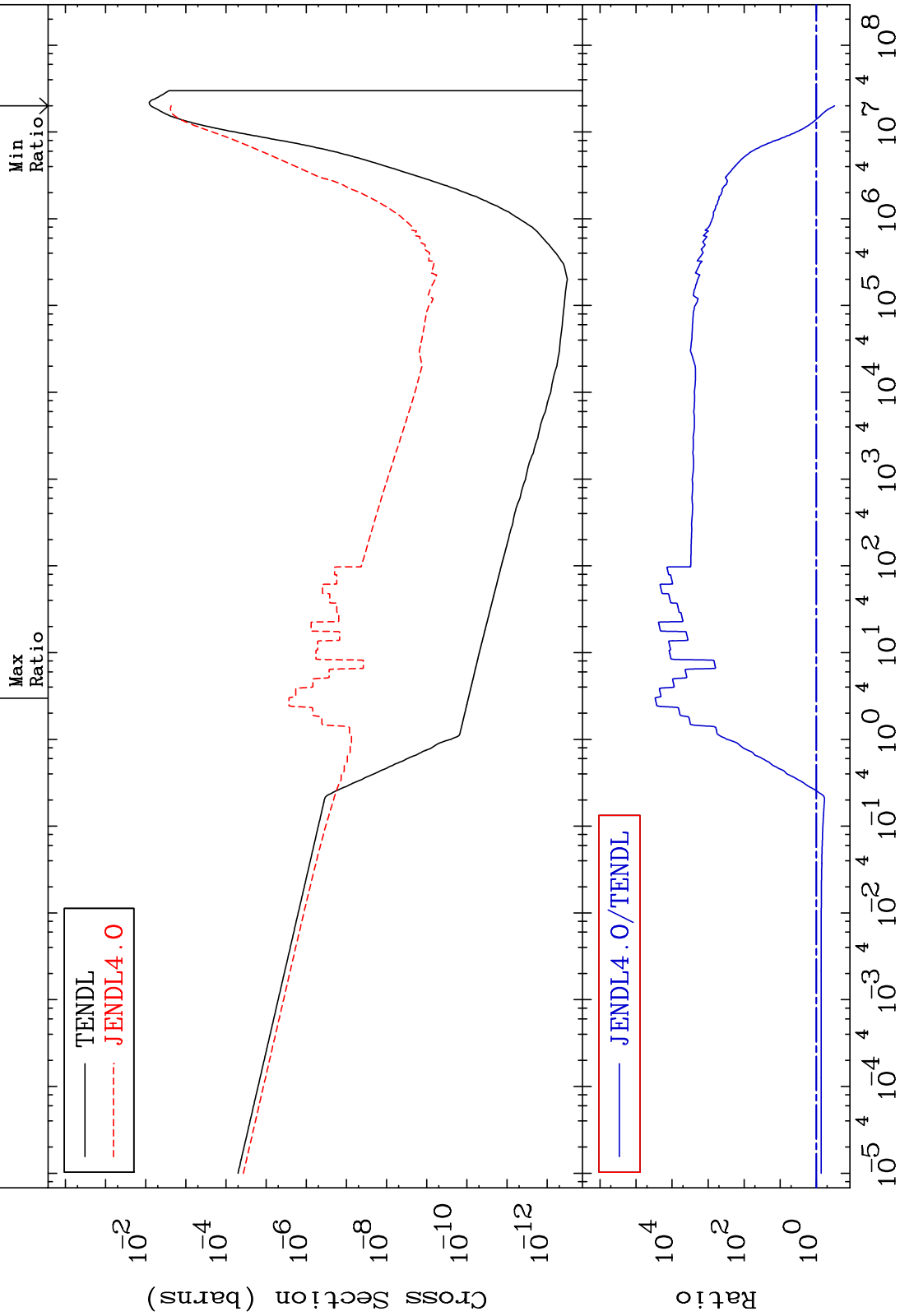
MAT 6331

(n, α)

63-Eu-153

-69.05 To 9999. %

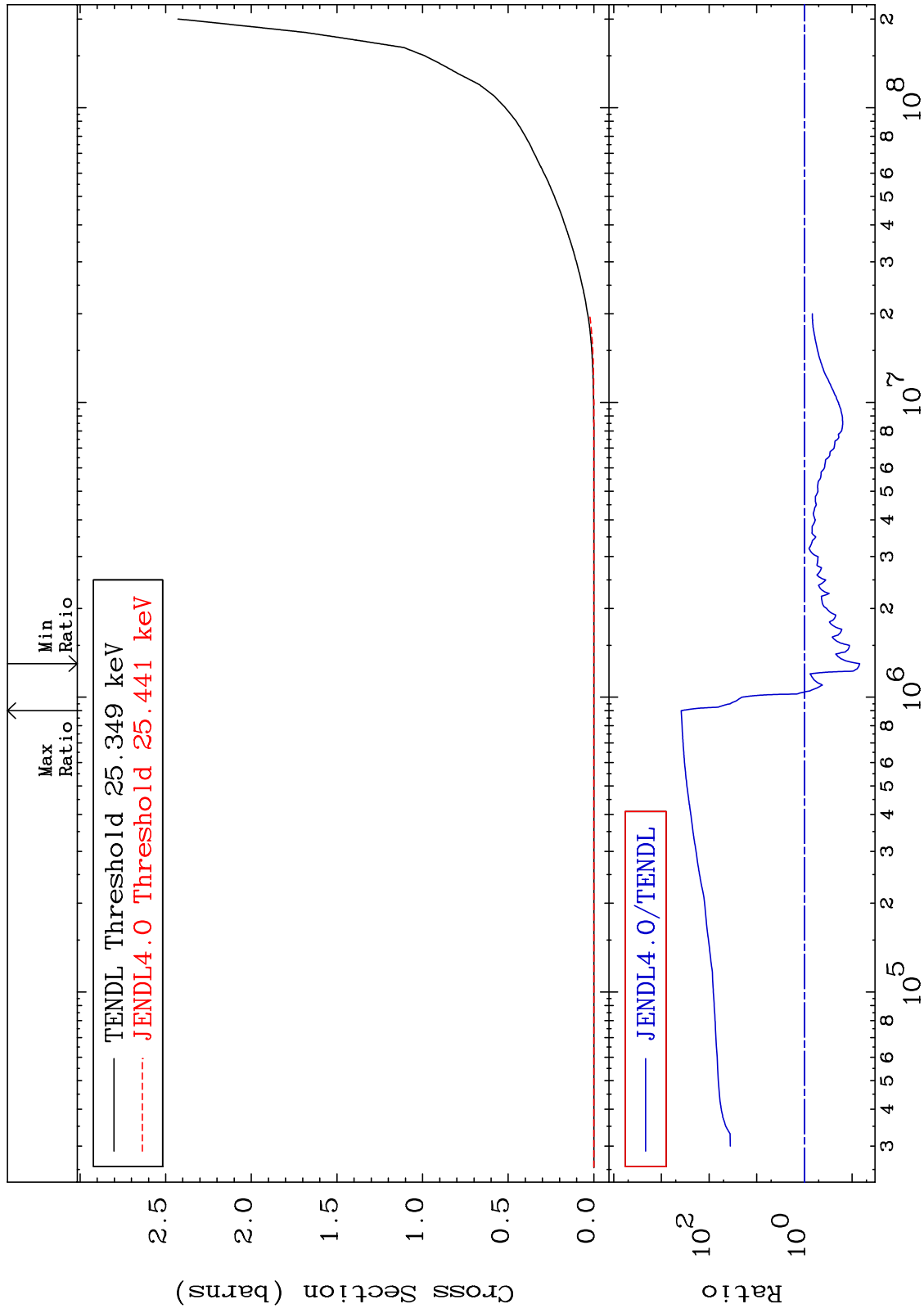
Cross Section



MAT 6331

Hydrogen Production
Cross Section

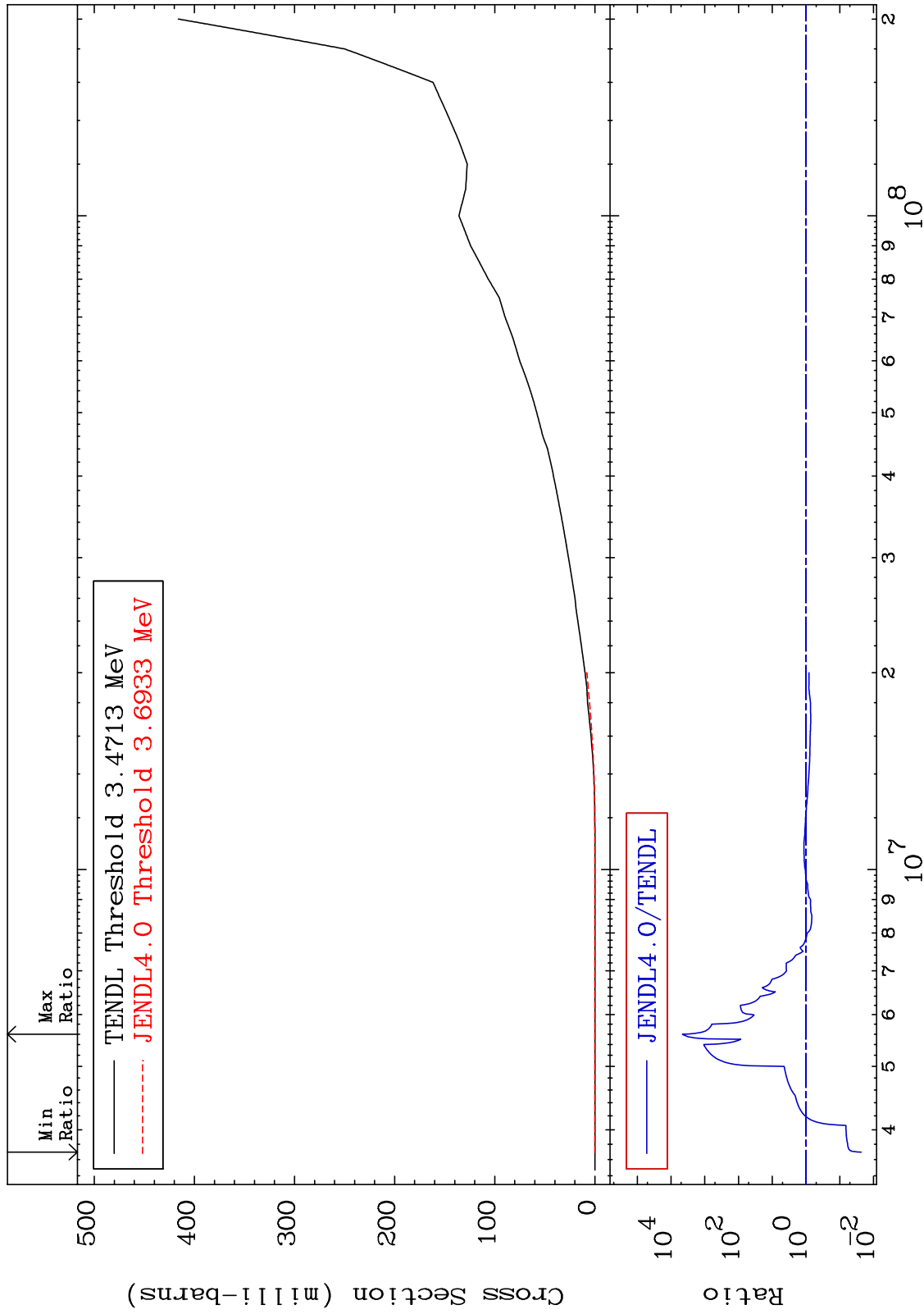
63-Eu-153
-93.09 To 9999. %



MAT 6331

Deuterium Production
Cross Section

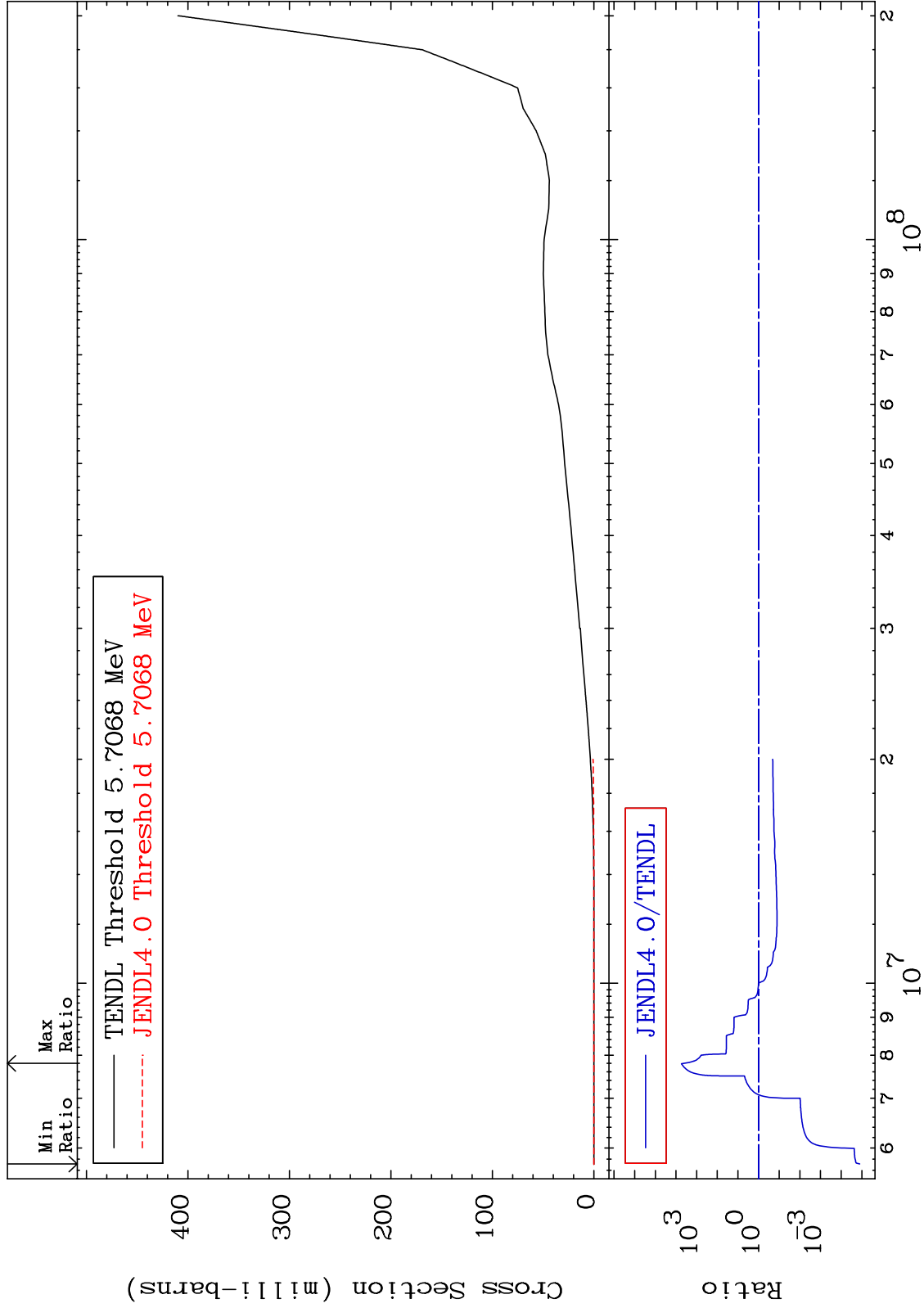
⁶³-Eu-153
-97.70 To 9999. %



MAT 6331

Tritium Production
Cross Section

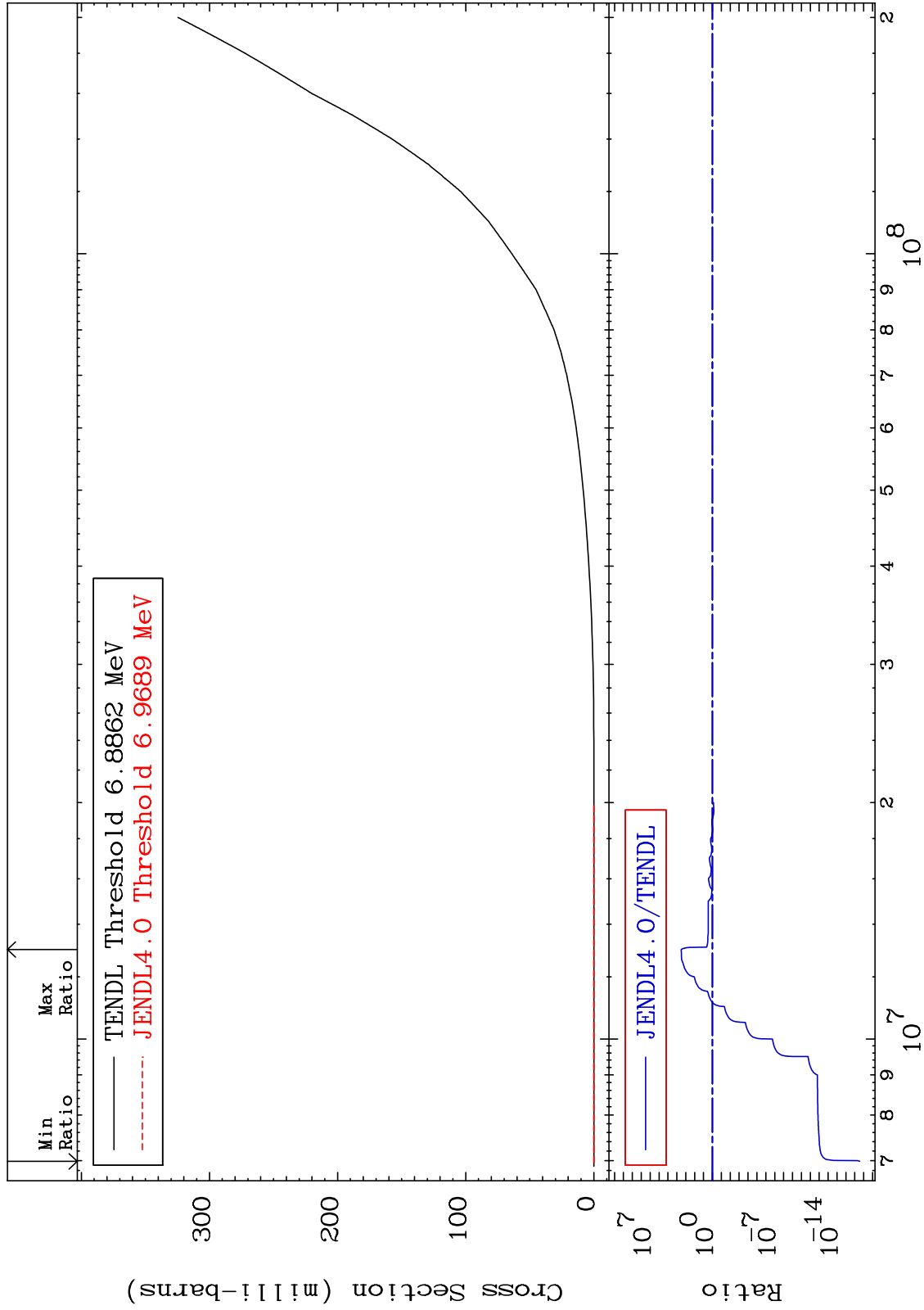
63-Eu-153
-100.0 To 9999. %



MAT 6331

He-3 Production
Cross Section

63-Eu-153
-100.0 To 9999. %



52

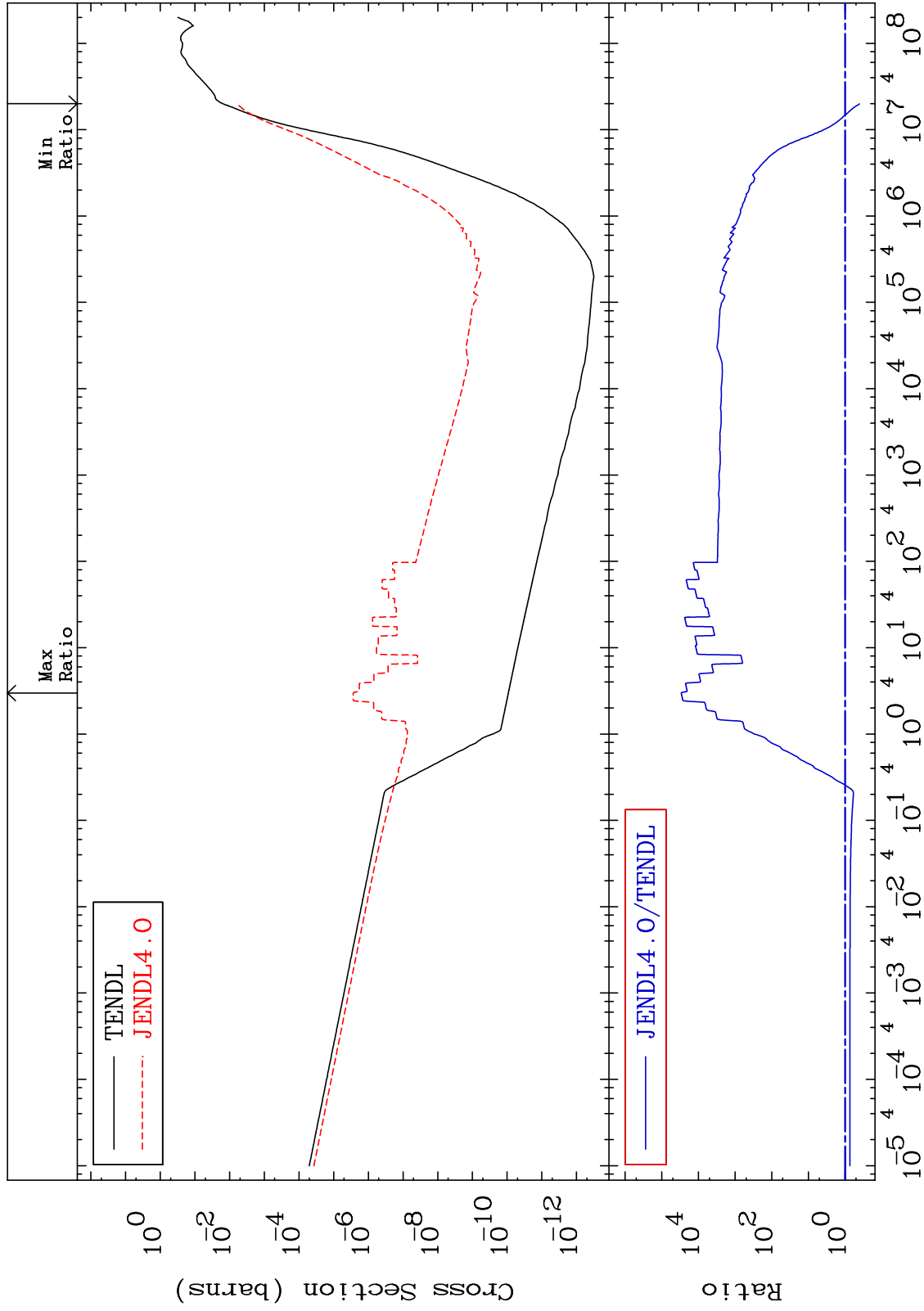
Incident Energy (eV)

63-Eu-153

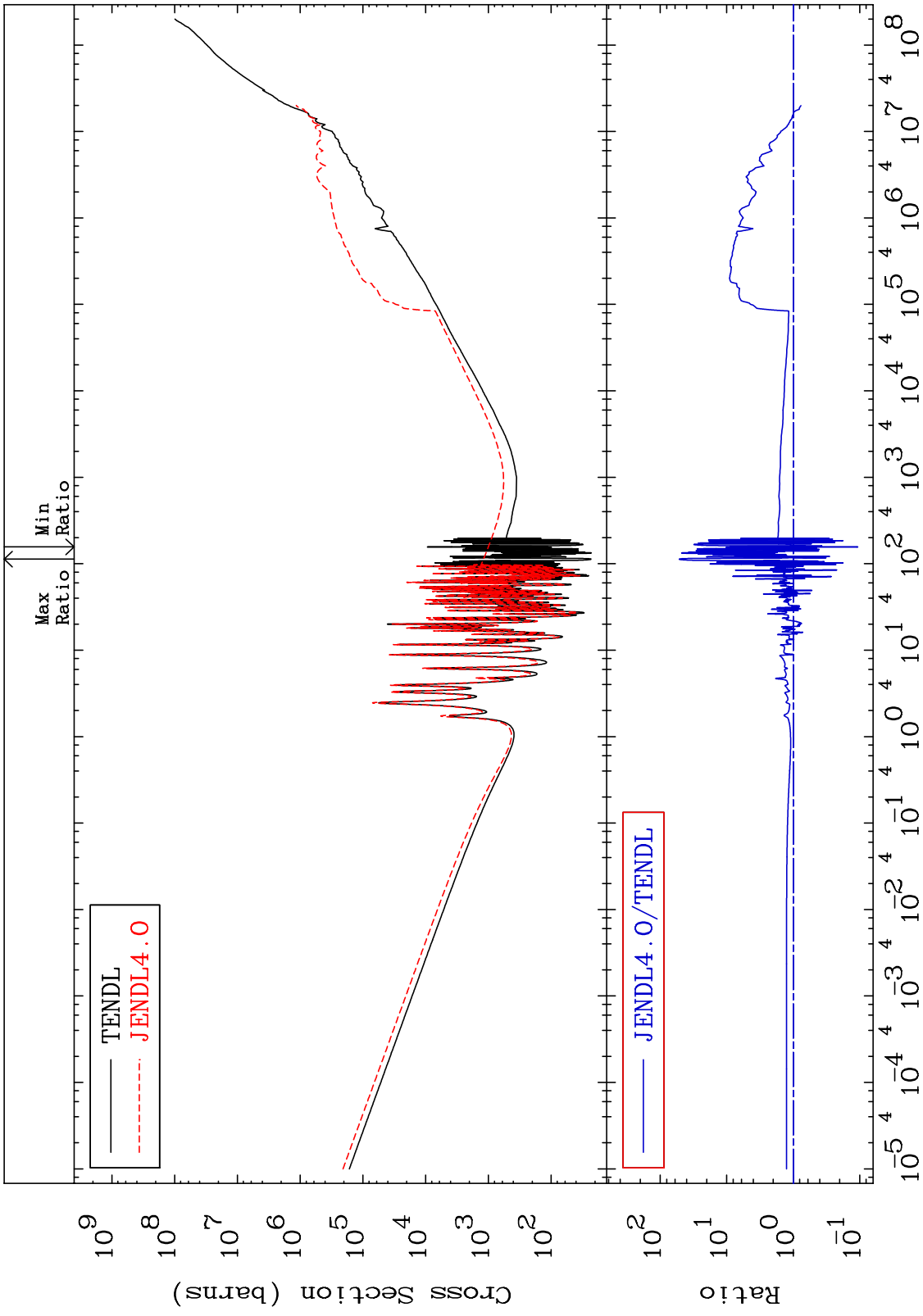
MAT 6331

He-4 Production
Cross Section

63-Eu-153
-60.37 To 9999. %



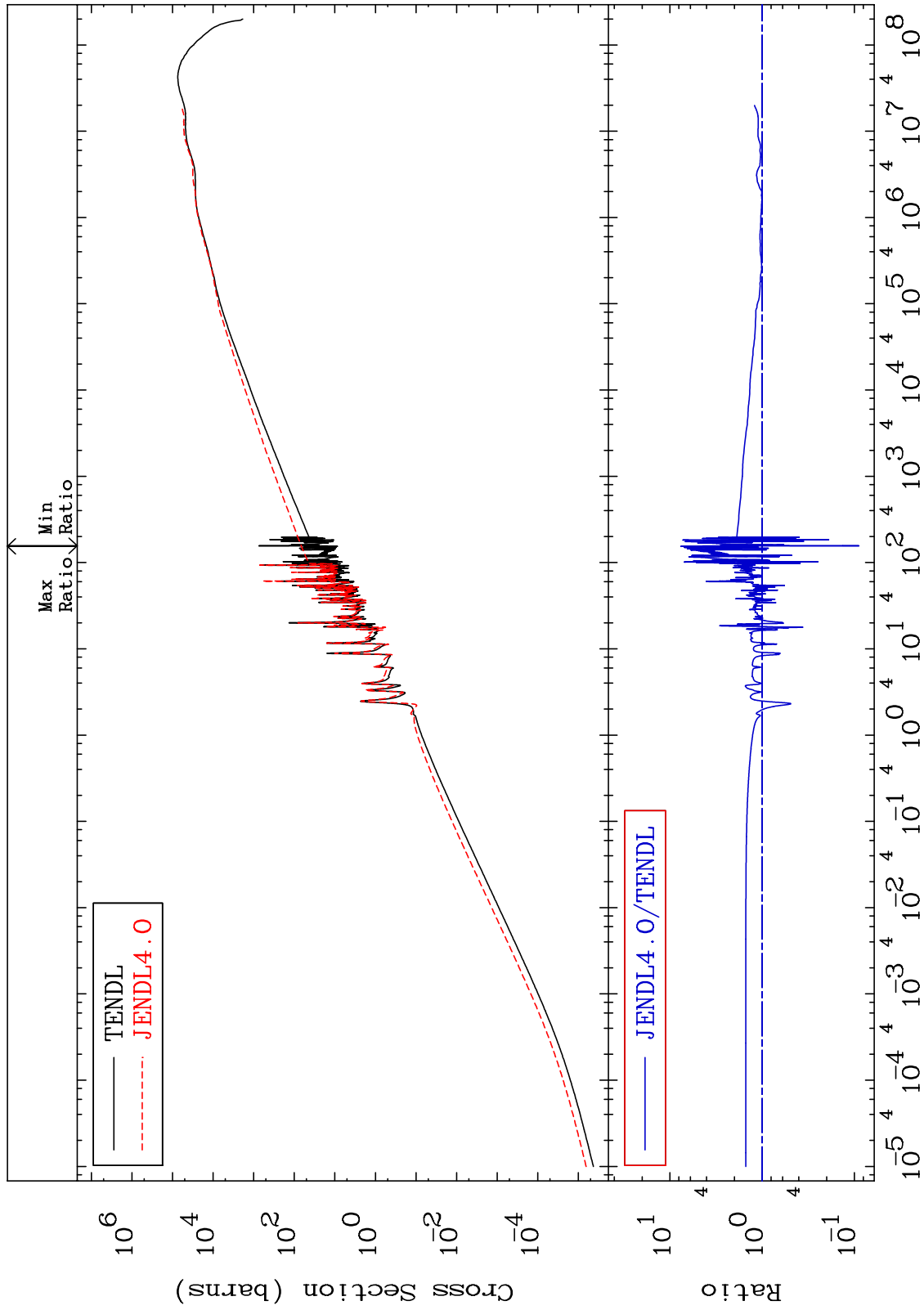
MAT 6331 Kerma total (eV-barns) 63-Eu-153
 Cross Section -89.33 To 5114. %



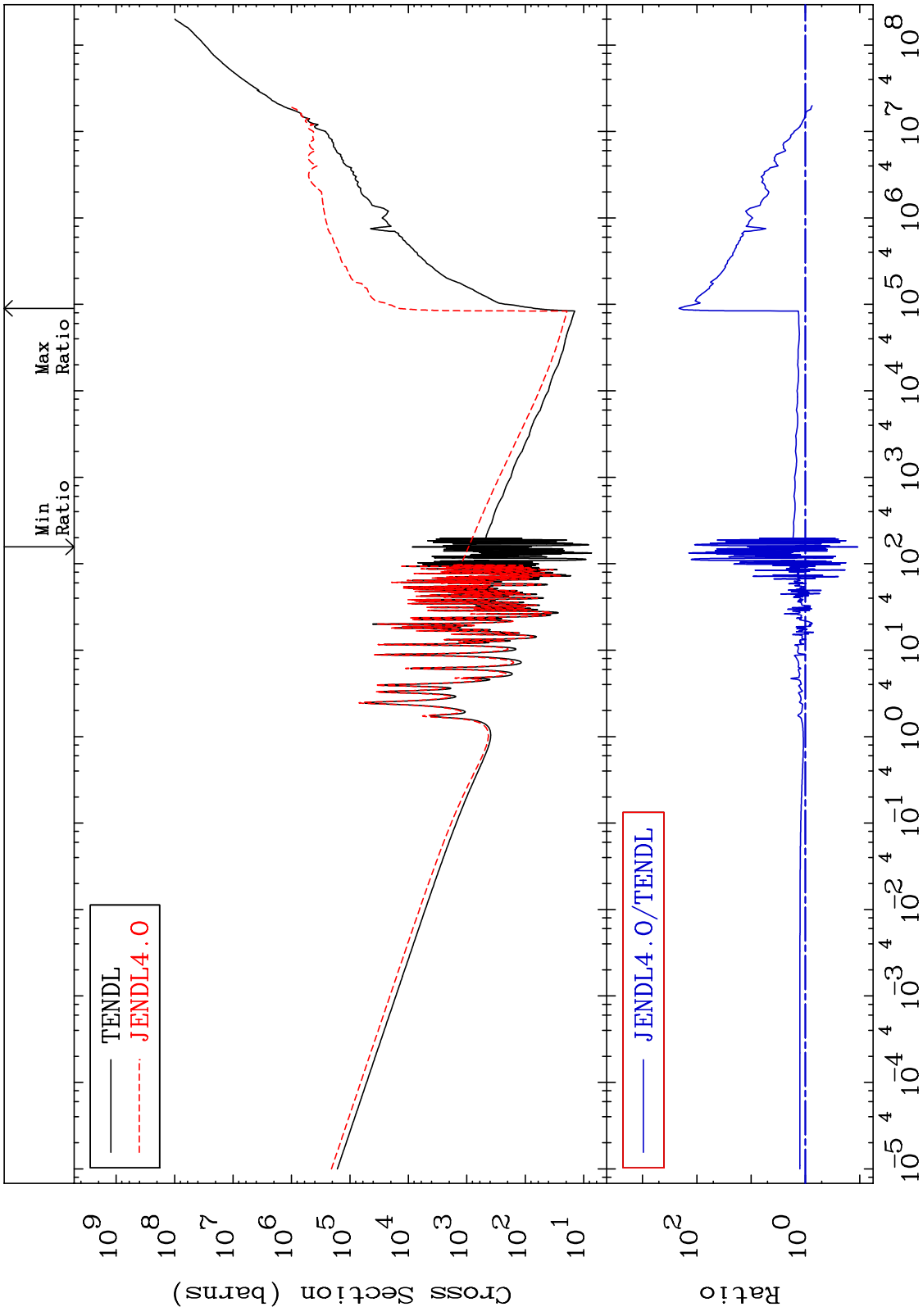
MAT 6331

Kerma elastic
Cross Section

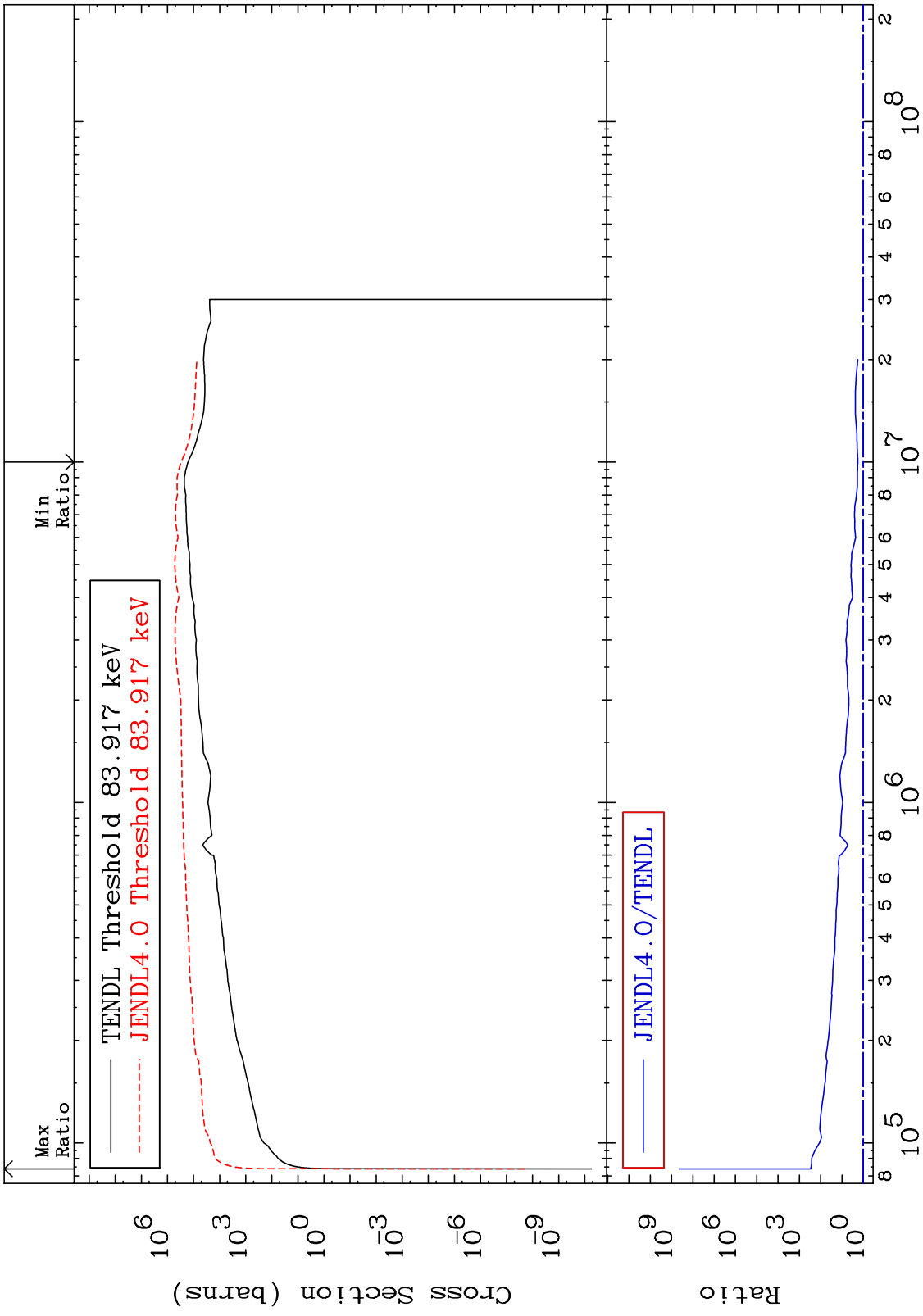
63-Eu-153
-91.08 To 665.0 %



MAT 6331 Kerma non-elastic (all but mt2) 63-Eu-153
 Cross Section -89.17 To 9999. %



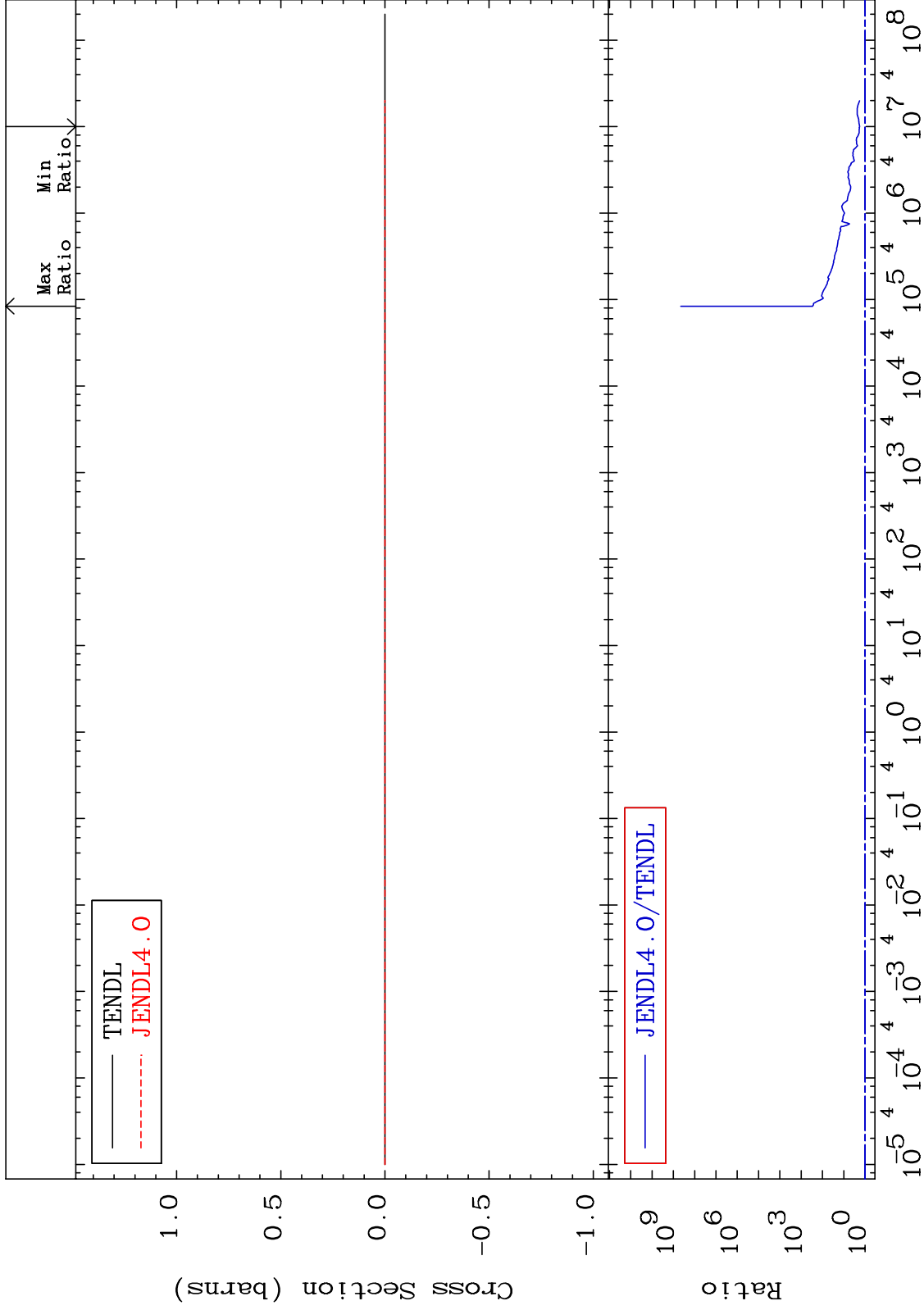
MAT 6331 Kerma inelastic (mt51-91) 63-Eu-153
 Cross Section 80.50 To 9999. %



MAT 6331

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

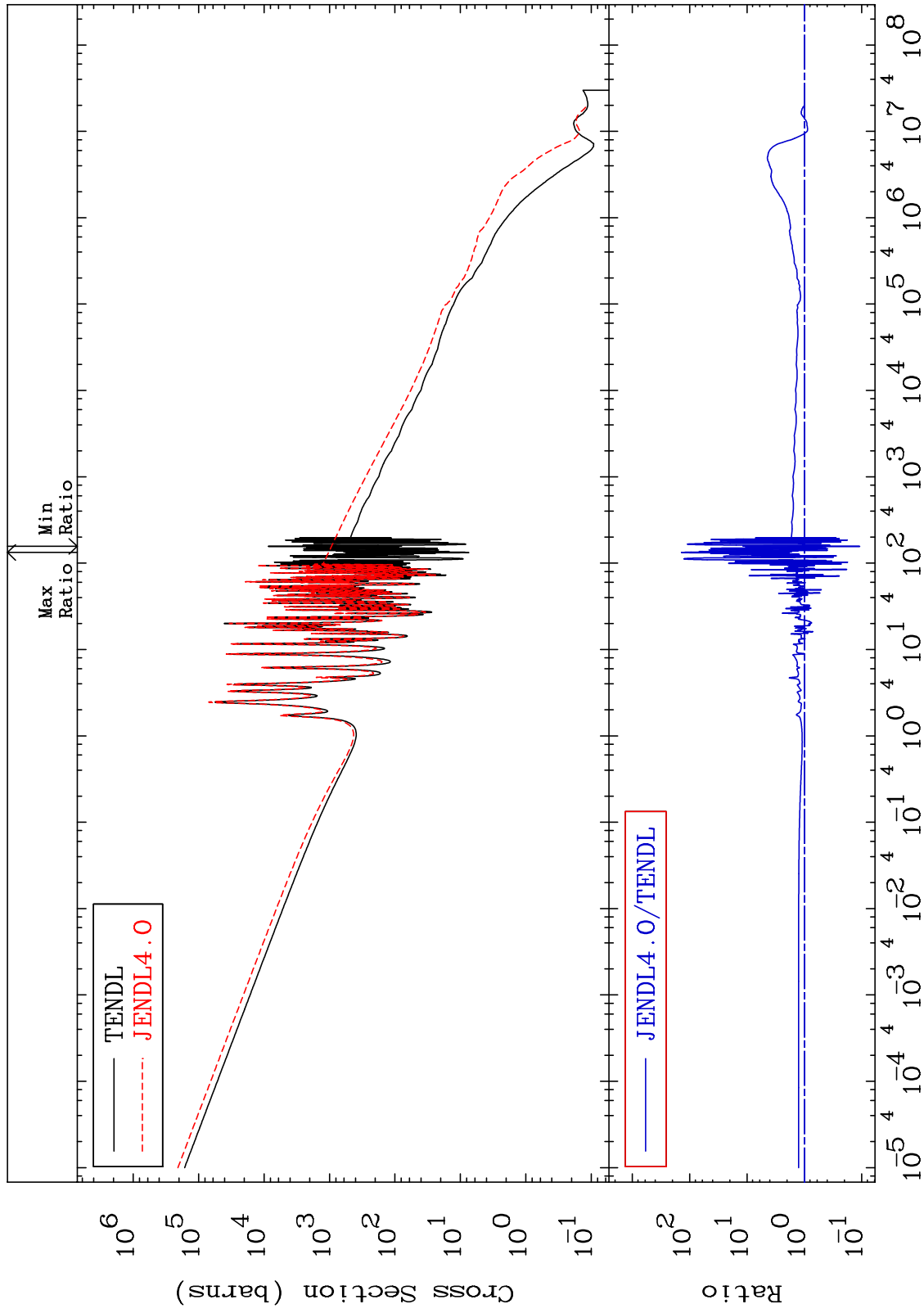
63-Eu-153
80.50 To 9999. %



MAT 6331

Kerma capture (mt102)
Cross Section

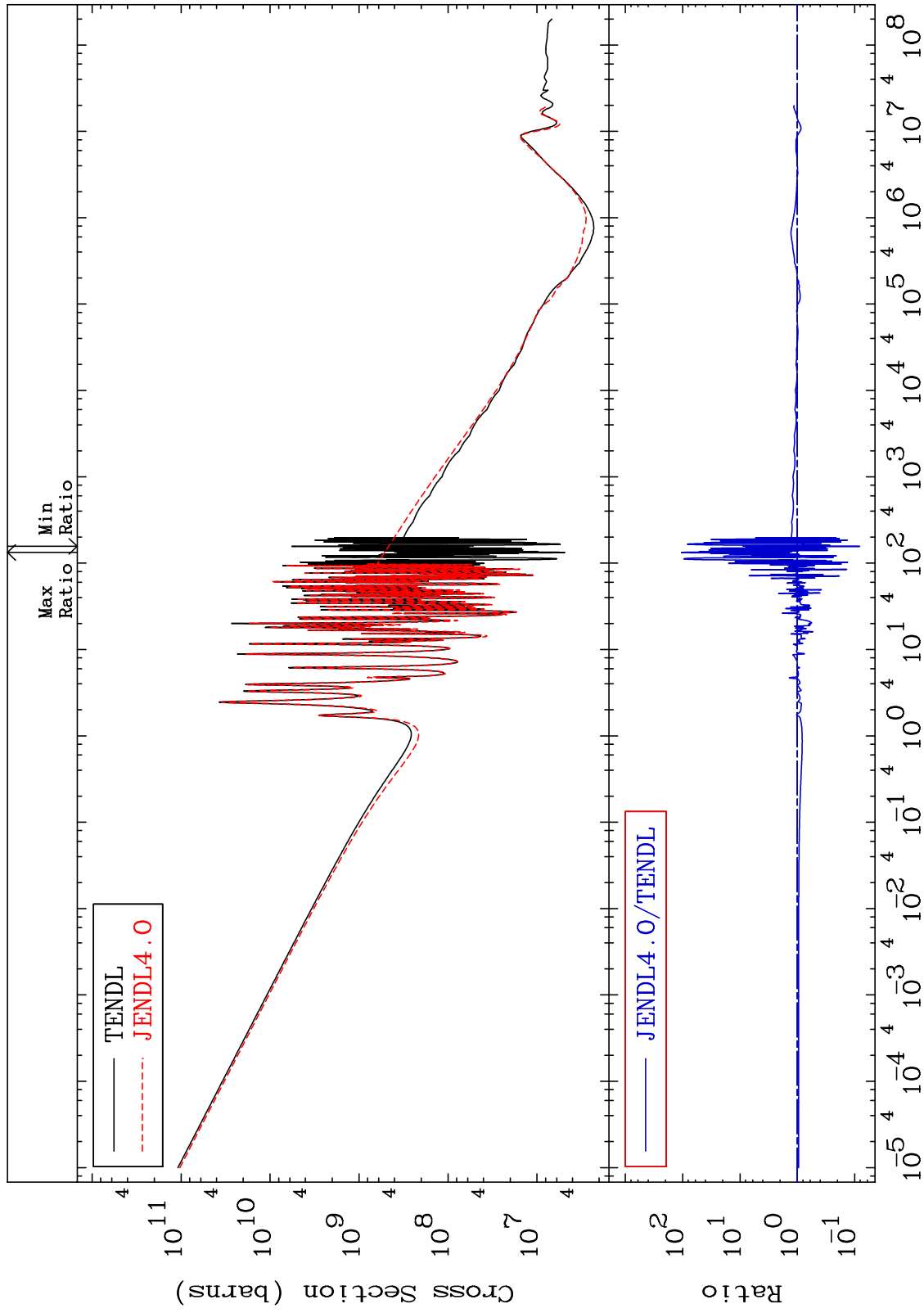
63-Eu-153
-89.17 To 9999. %



MAT 6331

Total photon (eV-barns)
Cross Section

63-Eu-153
-91.84 To 9999. %

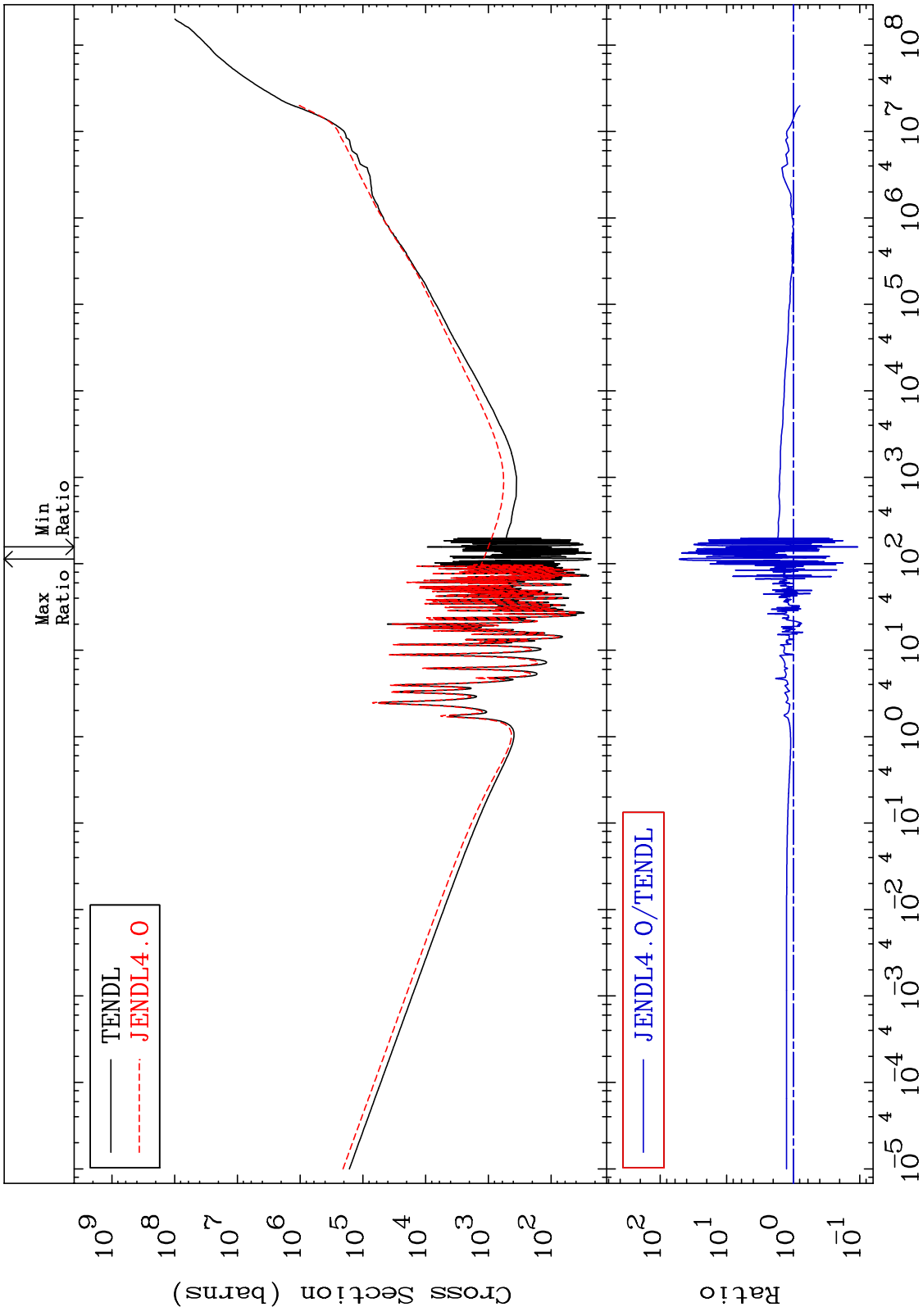


60

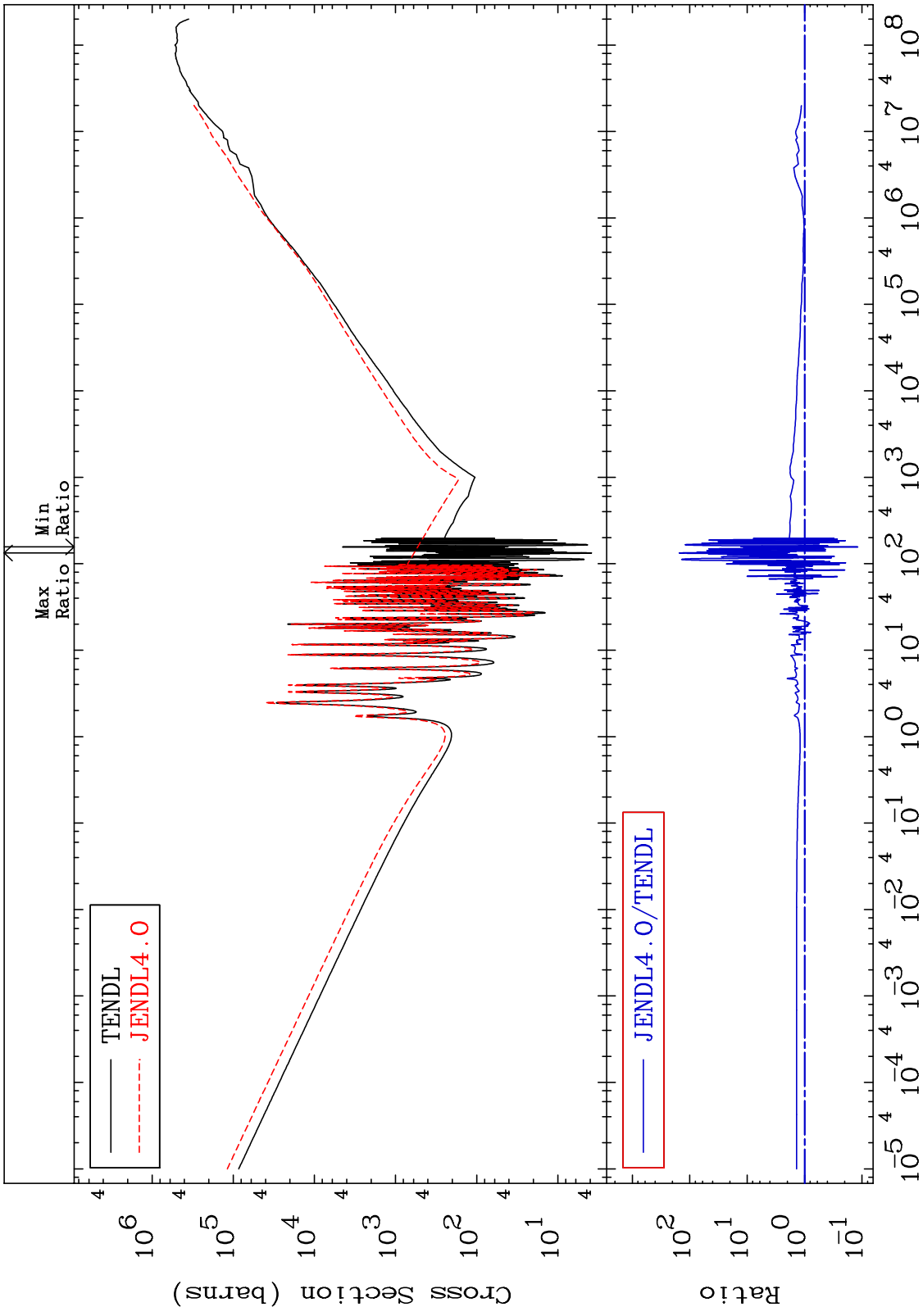
Incident Energy (eV)

63-Eu-153

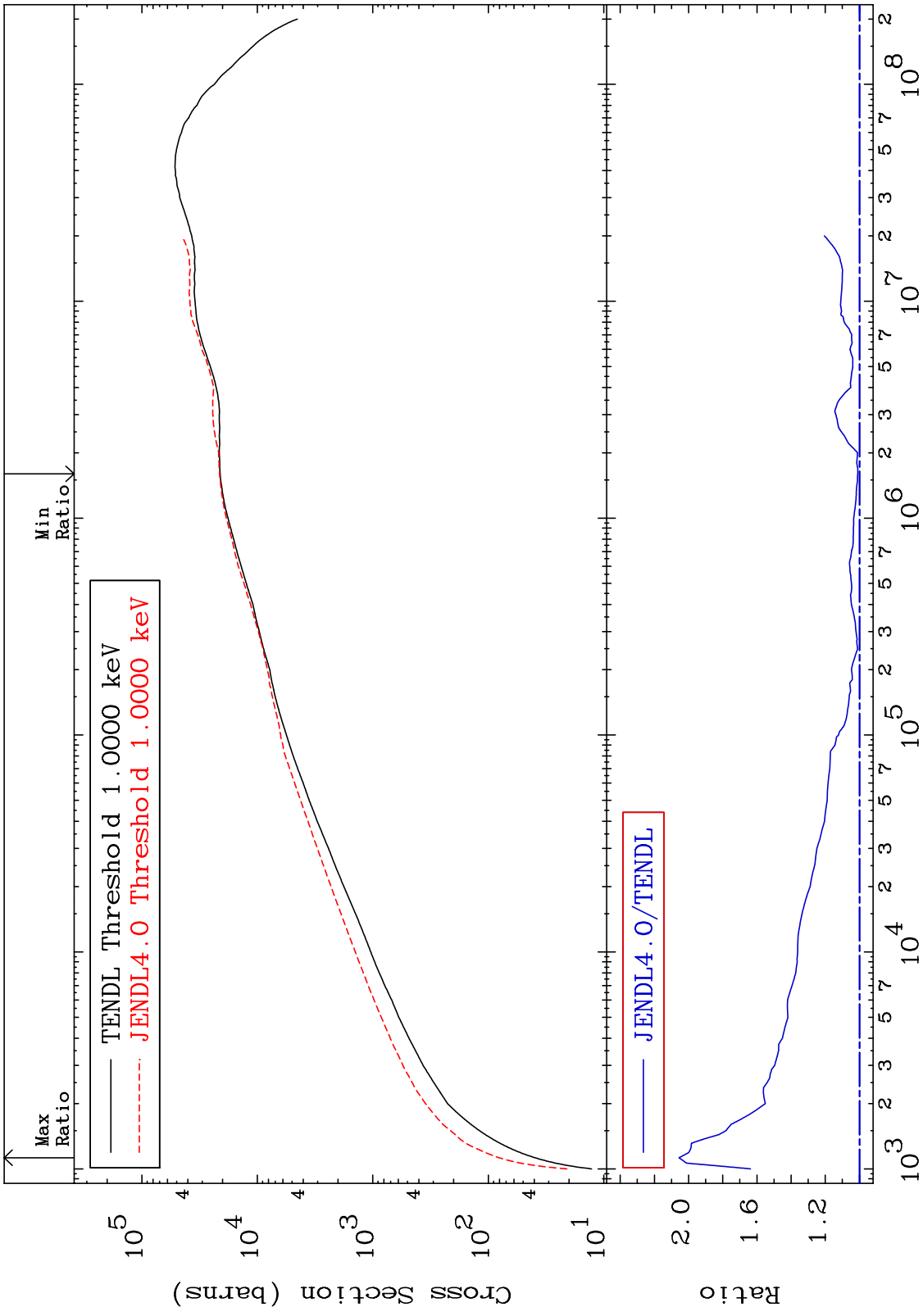
MAT 6331 Total kinematic kerma (high limit) 63-Eu-153
 Cross Section -89.33 To 5114. %



MAT 6331 Dpa total (eV-barns) 63-Eu-153
 Cross Section -88.17 To 9999. %

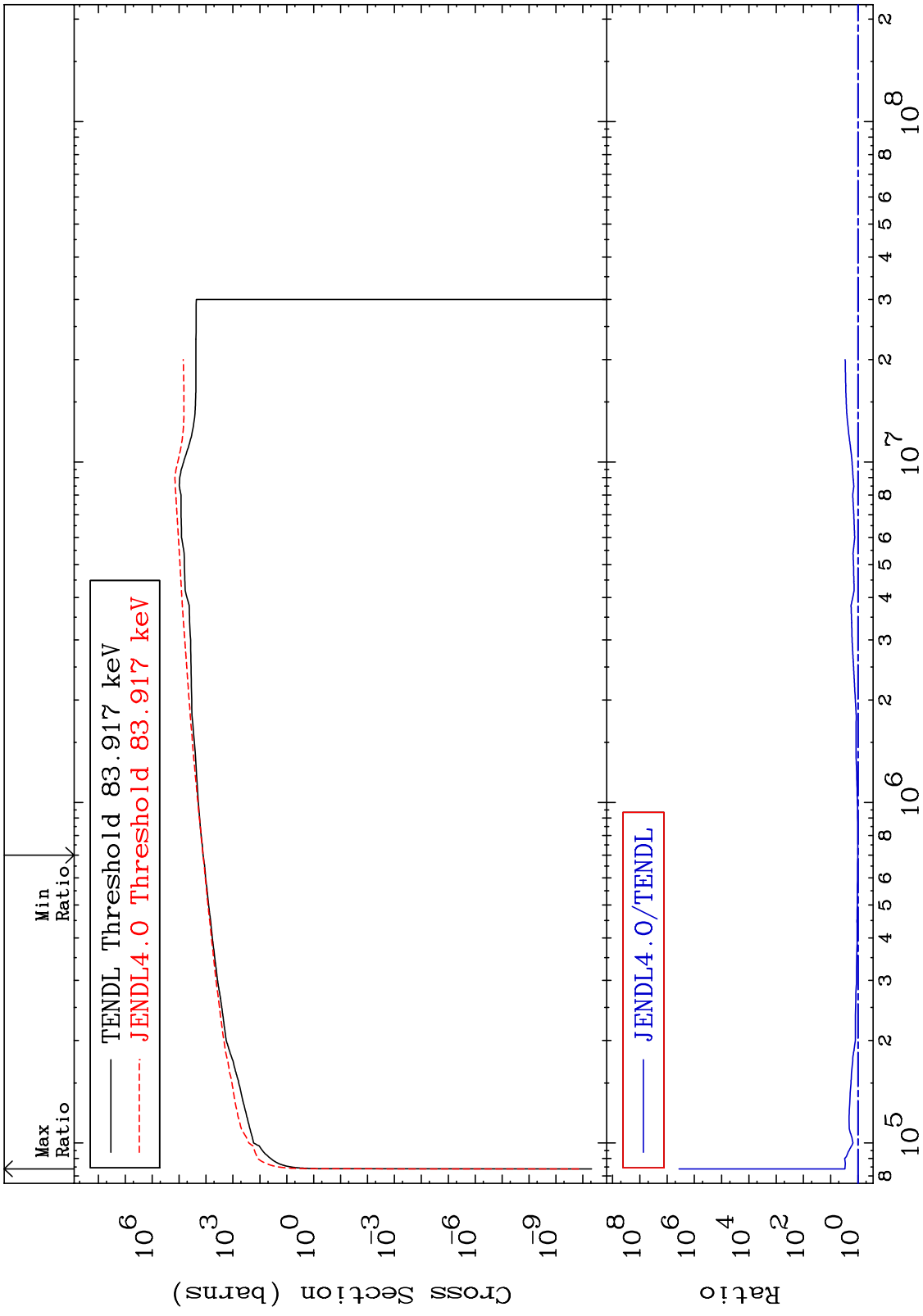


MAT 6331 63-Eu-153
 Dpa elastic (mt2) 0.948 To 105.6 %
 Cross Section



63 63-Eu-153

MAT 6331 Dpa inelastic (mt51-91) 63-Eu-153
 Cross Section 0.717 To 9999. %



MAT 6331 Dpa disappearance (mt102 -120) 63-Eu-153
 Cross Section -88.17 To 9999. %

