

Program Complot
(Version 2018-1)

by

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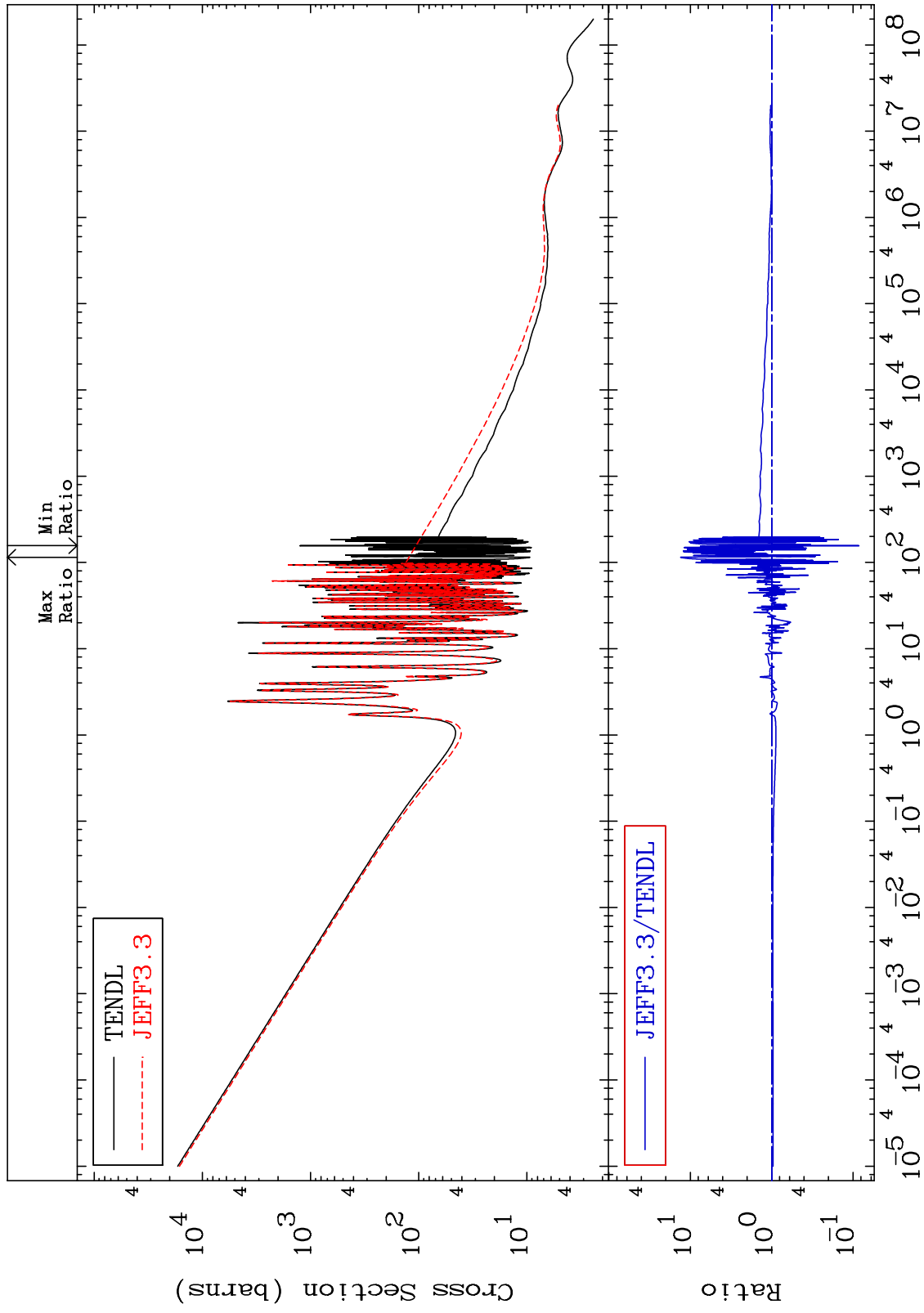
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6331

Total
Cross Section

63-Eu-153
-91.56 To 1214. %



1

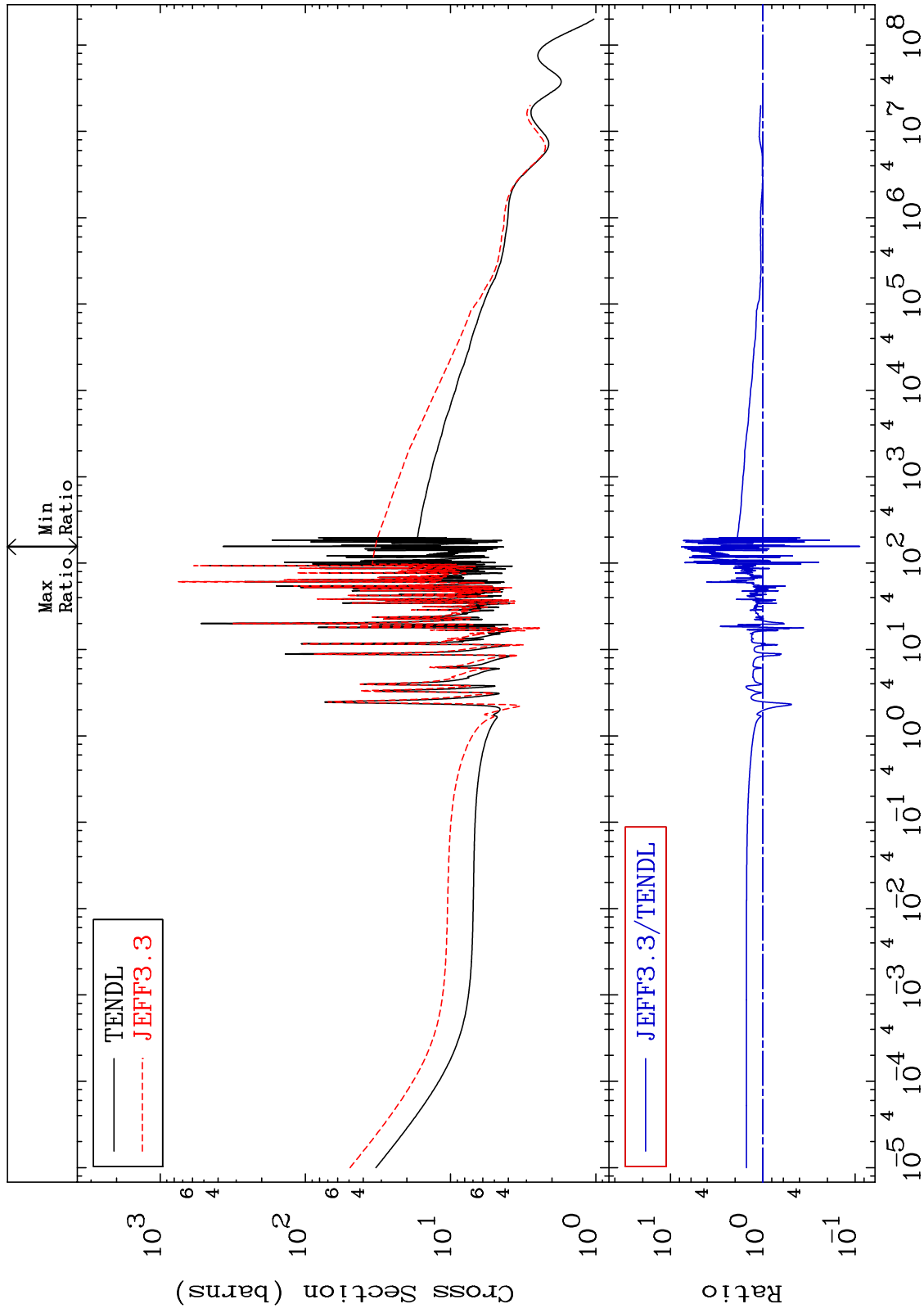
Incident Energy (eV)

63-Eu-153

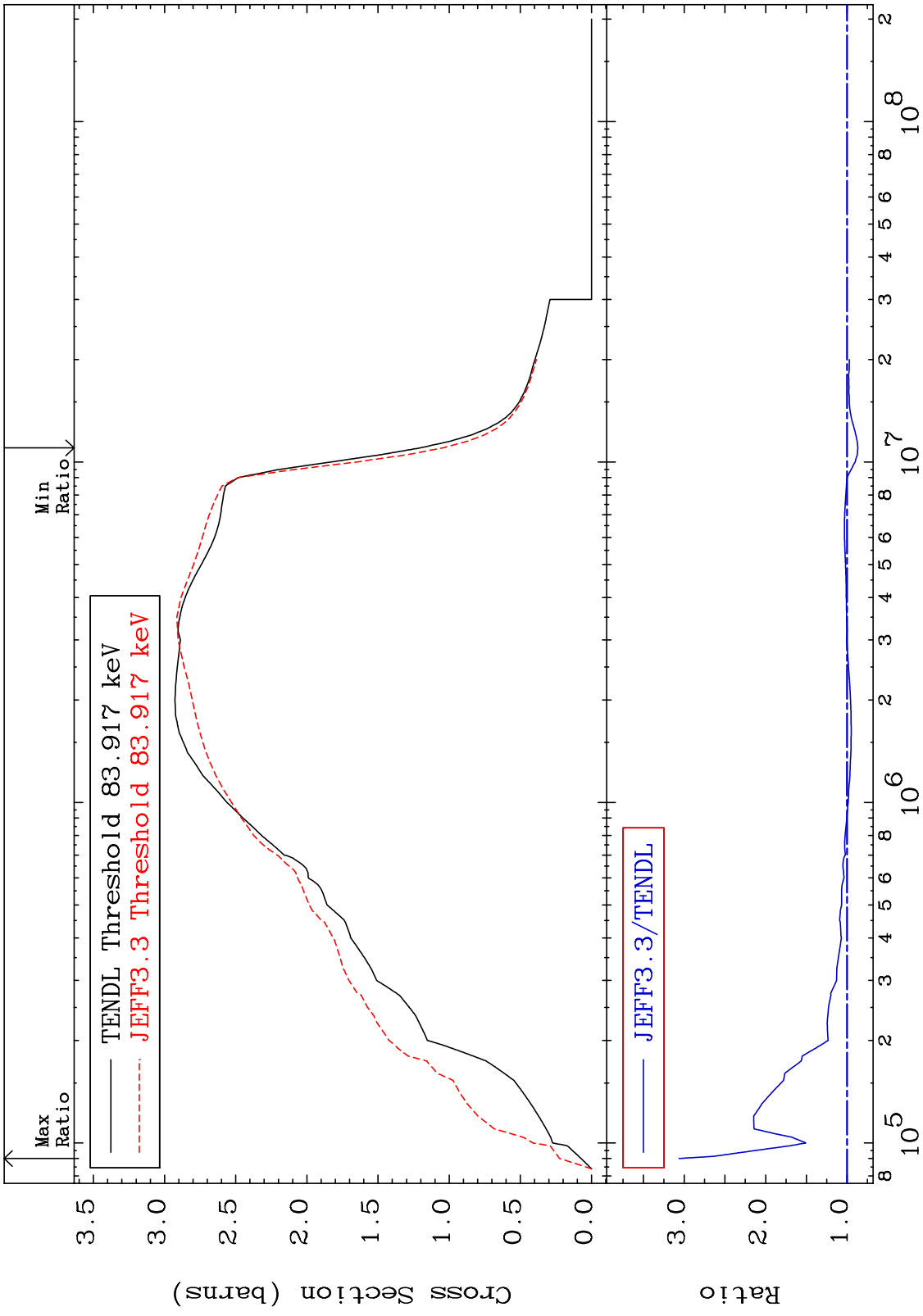
MAT 6331

Elastic
Cross Section

63-Eu-153
-91.08 To 664.9 %

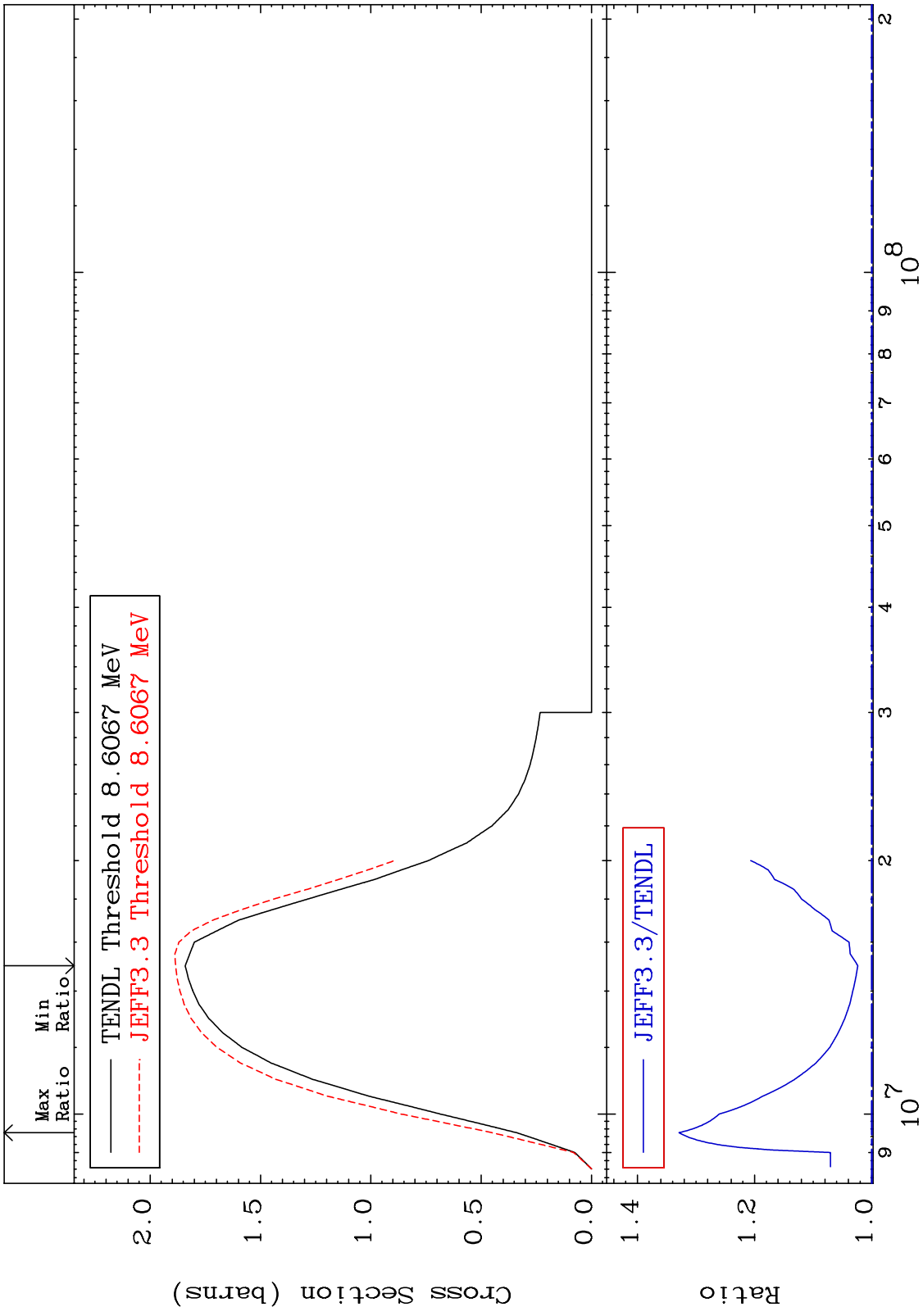


MAT 6331 Inelastic Cross Section 63-Eu-153 -13.13 To 206.3 %



3 Incident Energy (eV) 63-Eu-153

MAT 6331 (n,2n) Cross Section 63-Eu-153 2.385 To 32.89 %



4 63-Eu-153

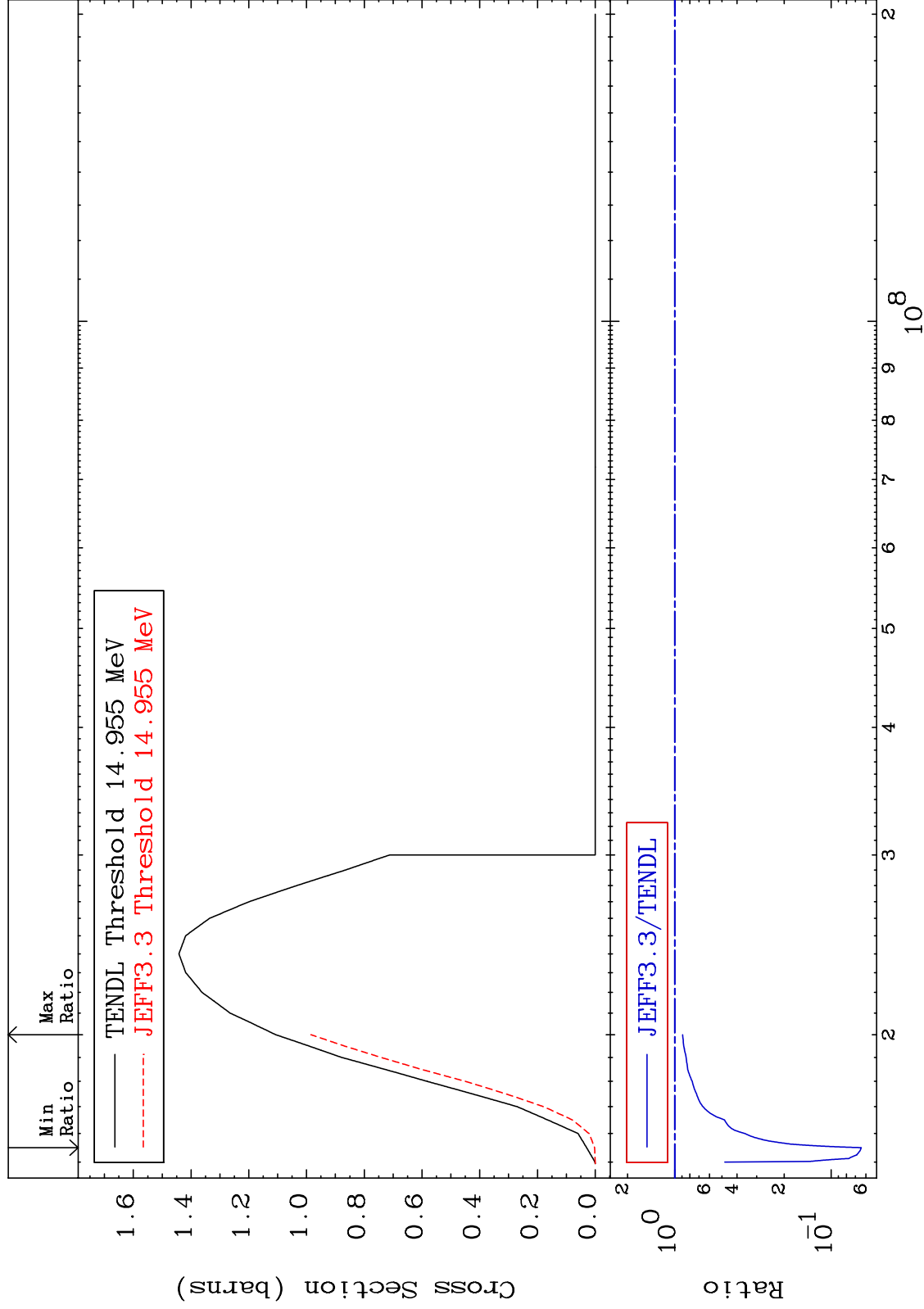
MAT 6331

(n,3n)

63-Eu-153

Cross Section

-93.58 To -11.02%



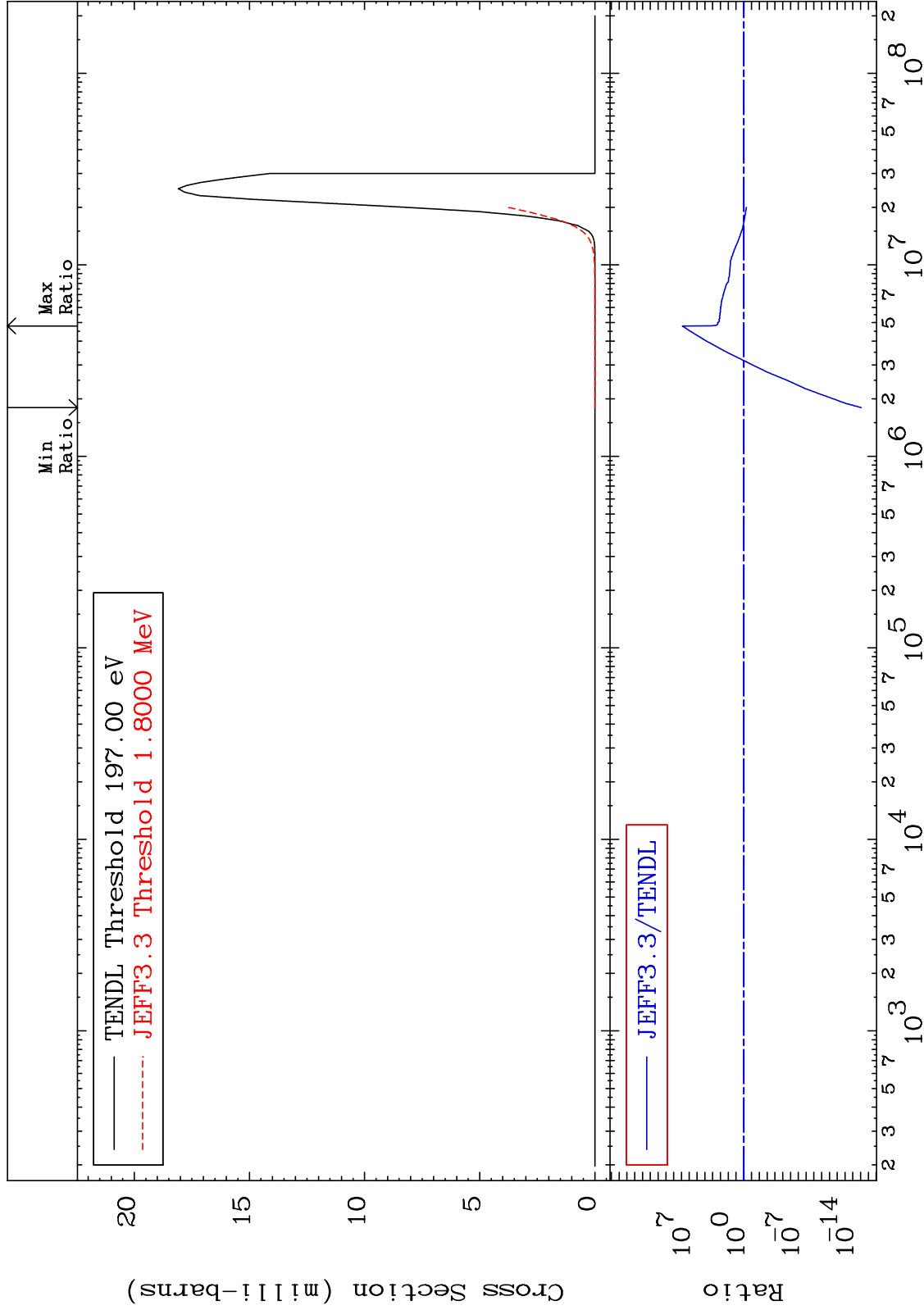
MAT 6331

(n, n') α

63-Eu-153

Cross Section

-100.0 To 9999. %



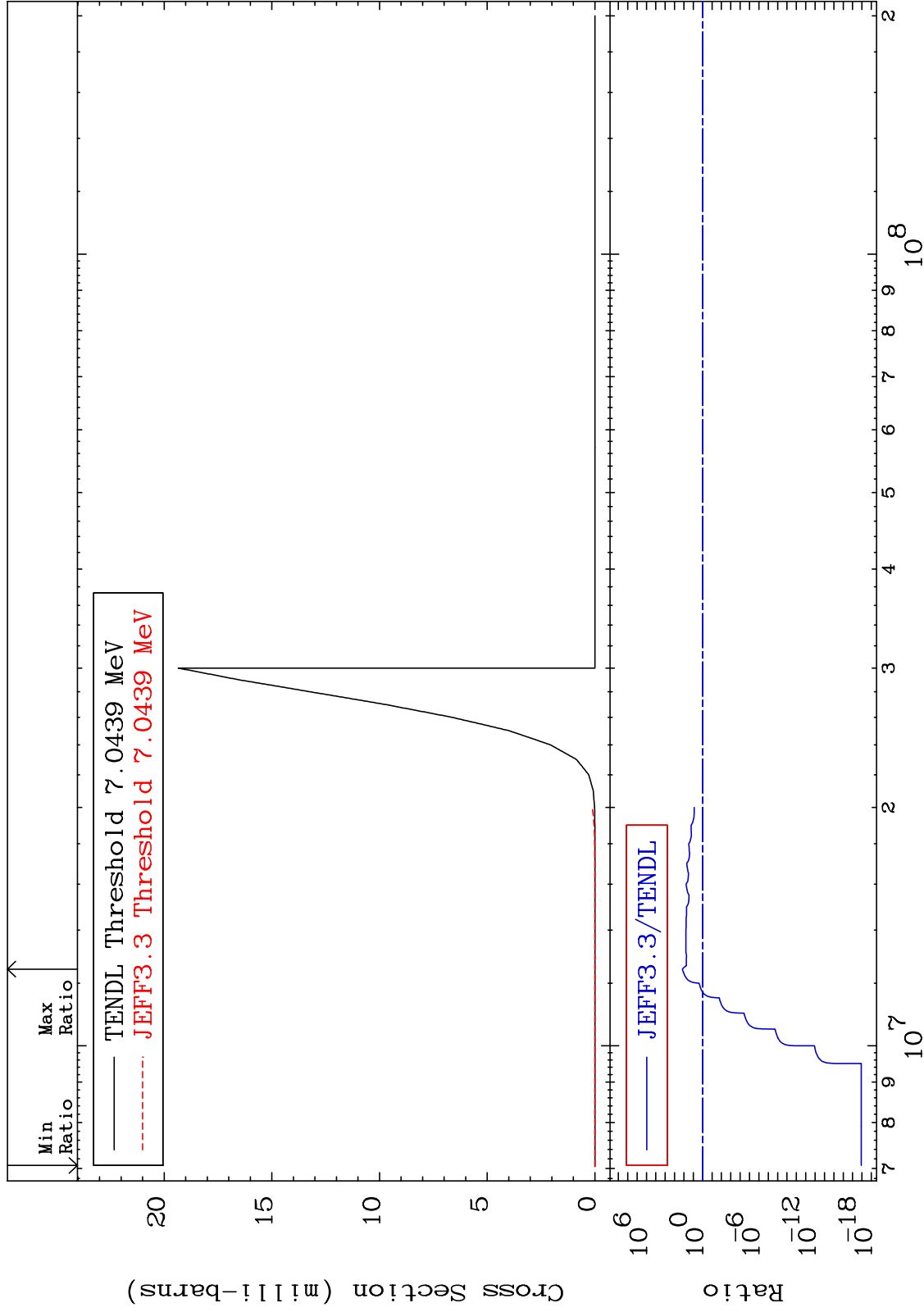
MAT 6331

(n,2n) α

63-Eu-153

-100.0 To 9999. %

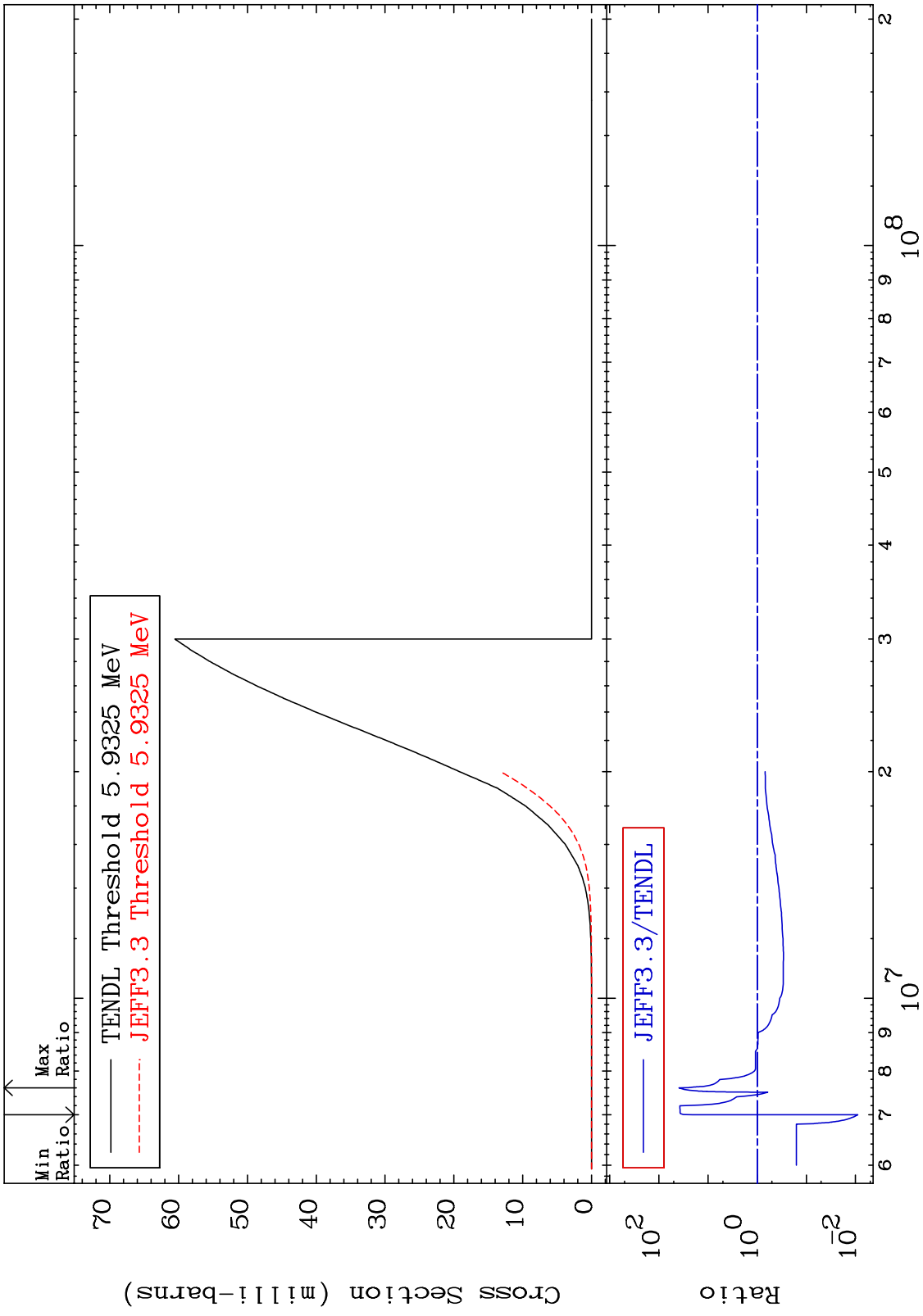
Cross Section

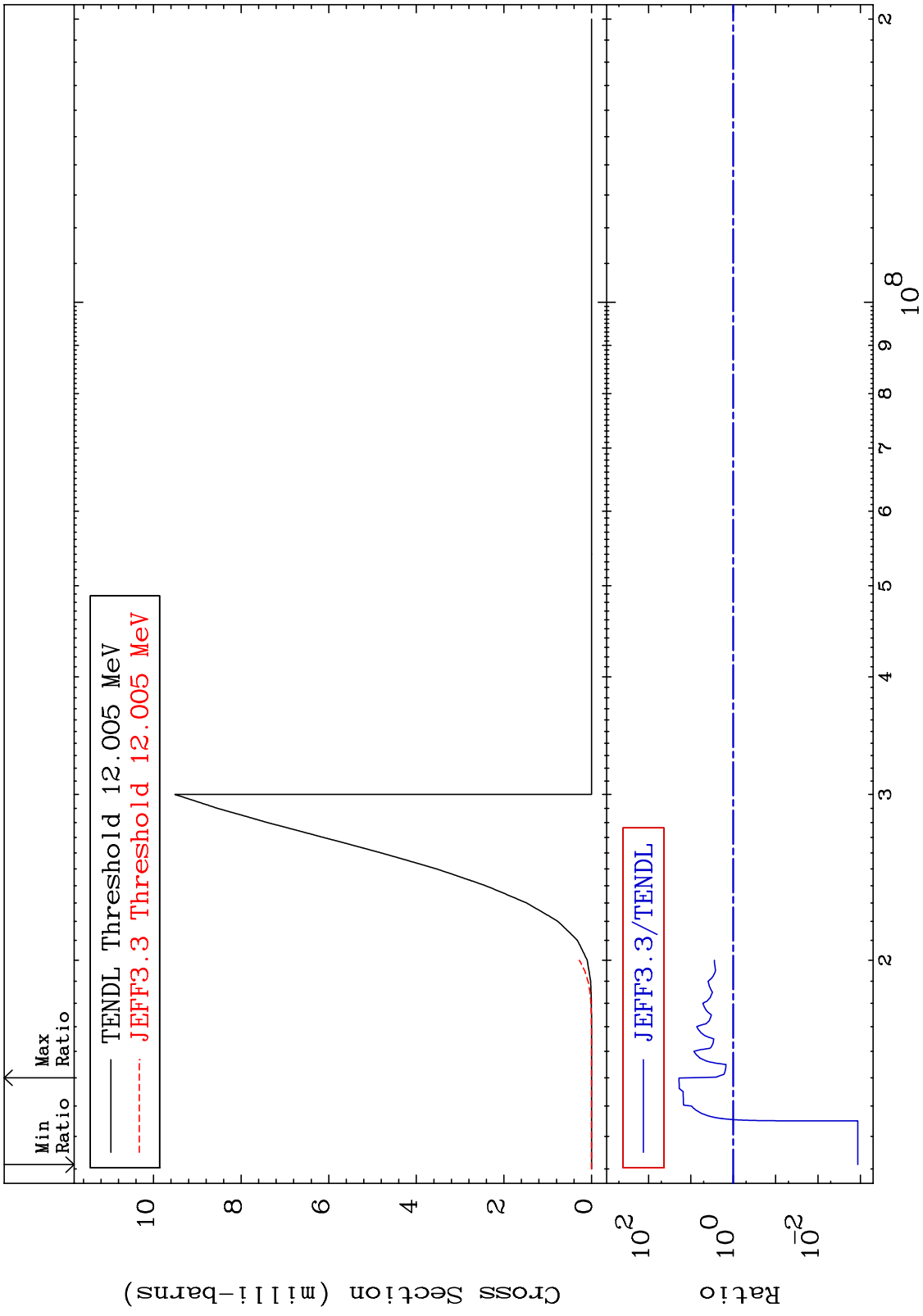


7

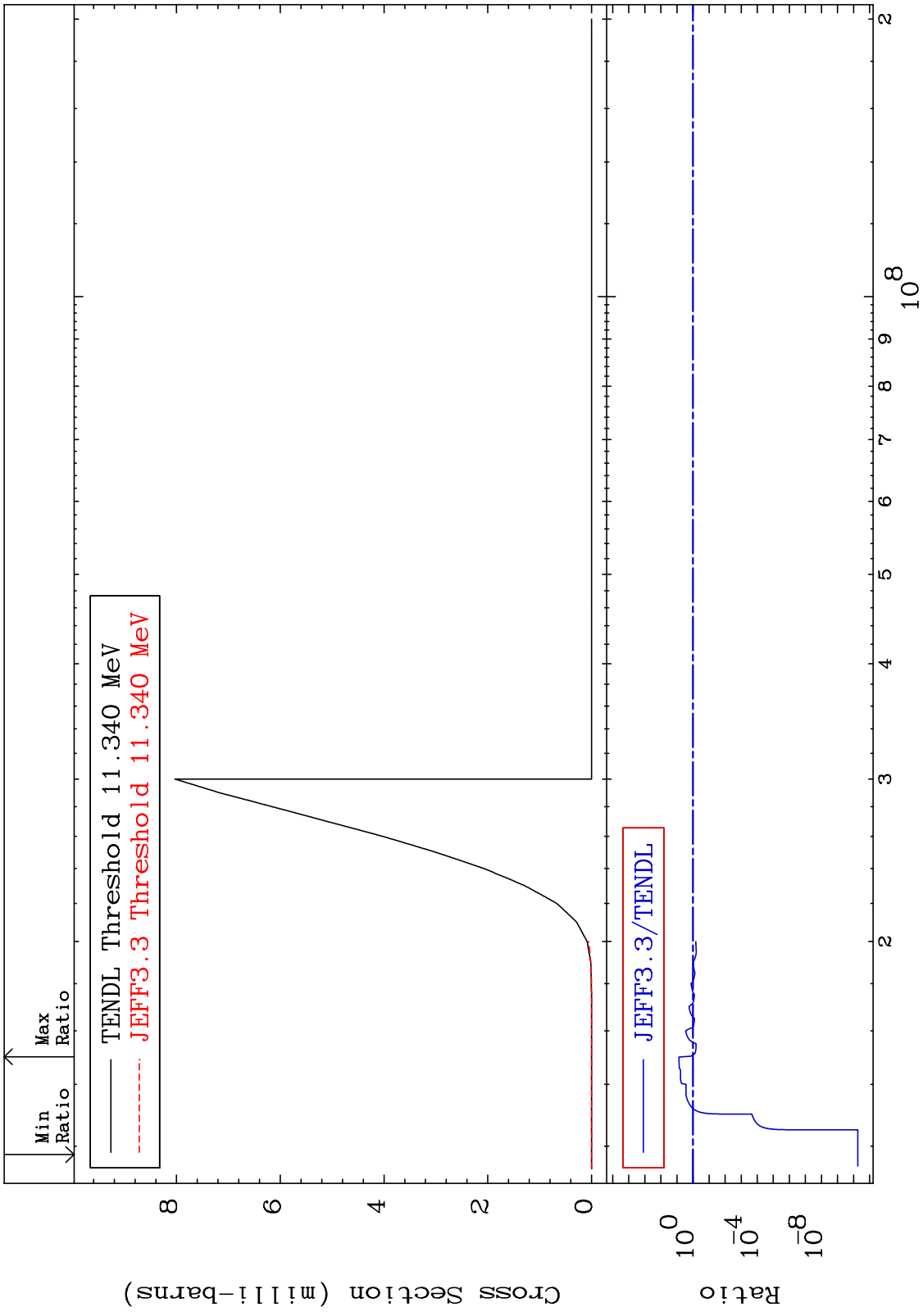
Incident Energy (eV)

63-Eu-153

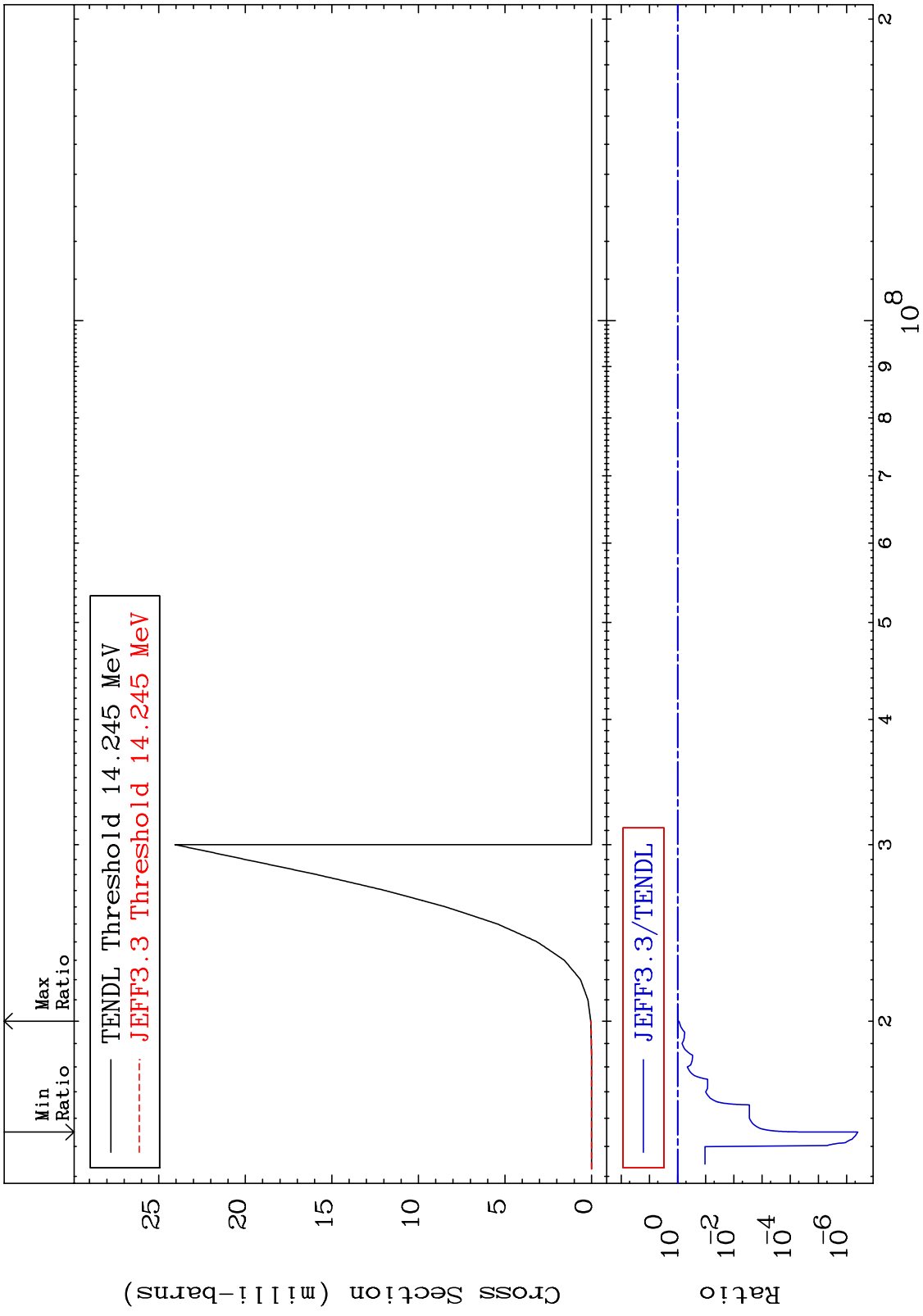




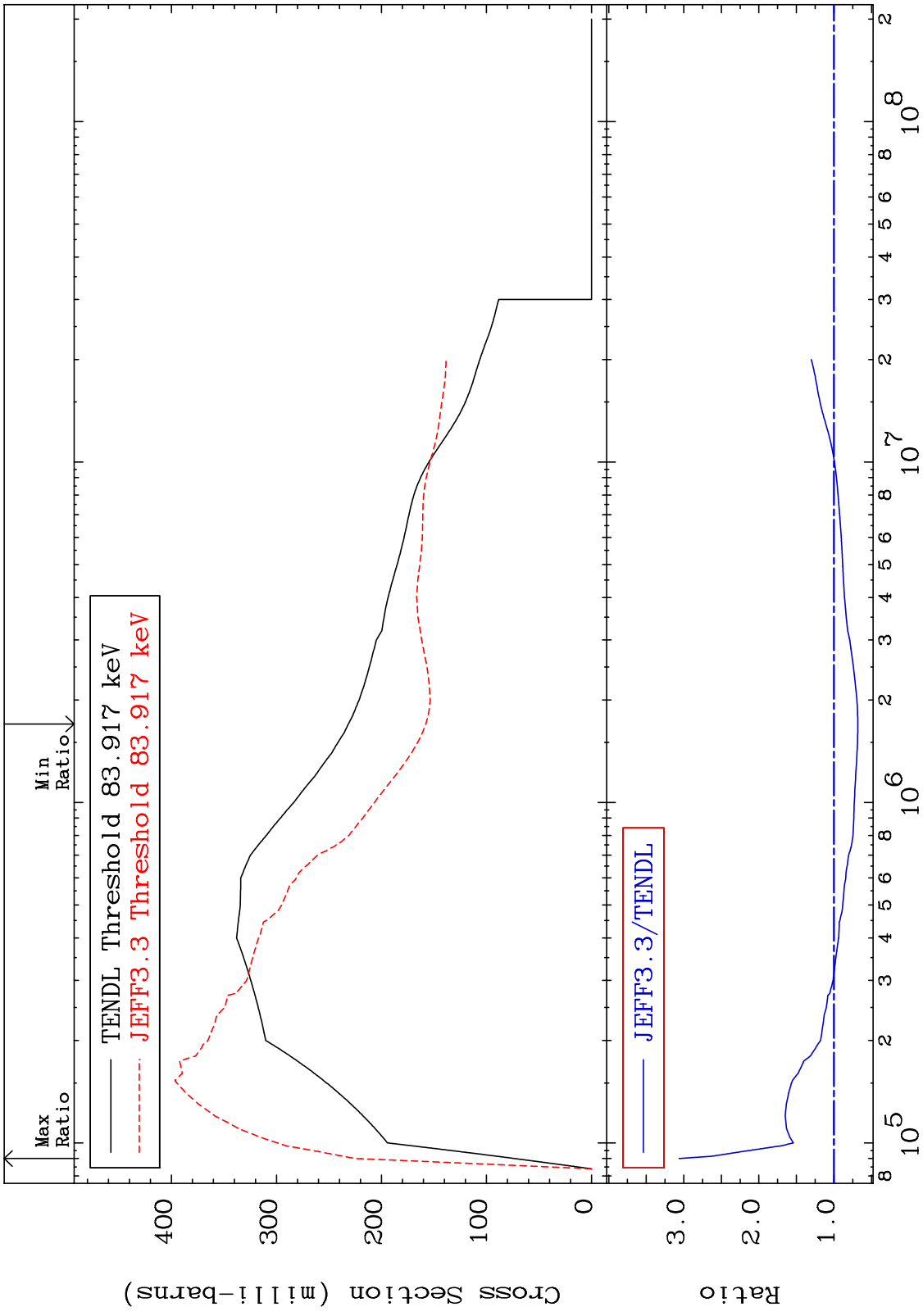
MAT 6331 (n, n') t 63-Eu-153
Cross Section -100.0 To 637.3 %



MAT 6331 63-Eu-153
 (n,2n) p -100.0 To -11.44%
 Cross Section



MAT 6331 MT= 51 (n,n') Level Cross Section 63-Eu-153
 -31.85 To 206.3 %

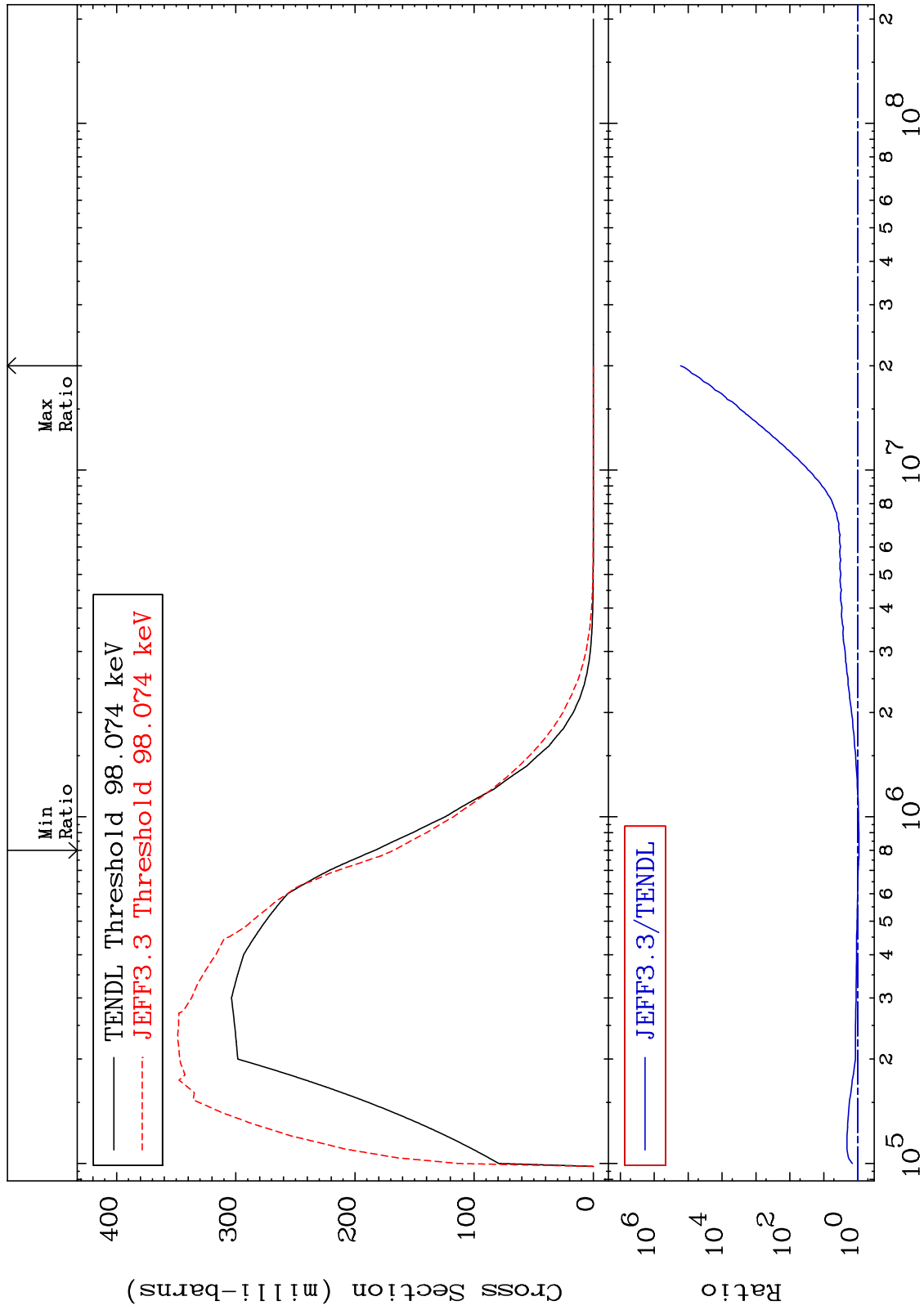


12 63-Eu-153

MAT 6331

MT= 52 (n,n') Level
Cross Section

63-Eu-153
-8.629 To 9999. %

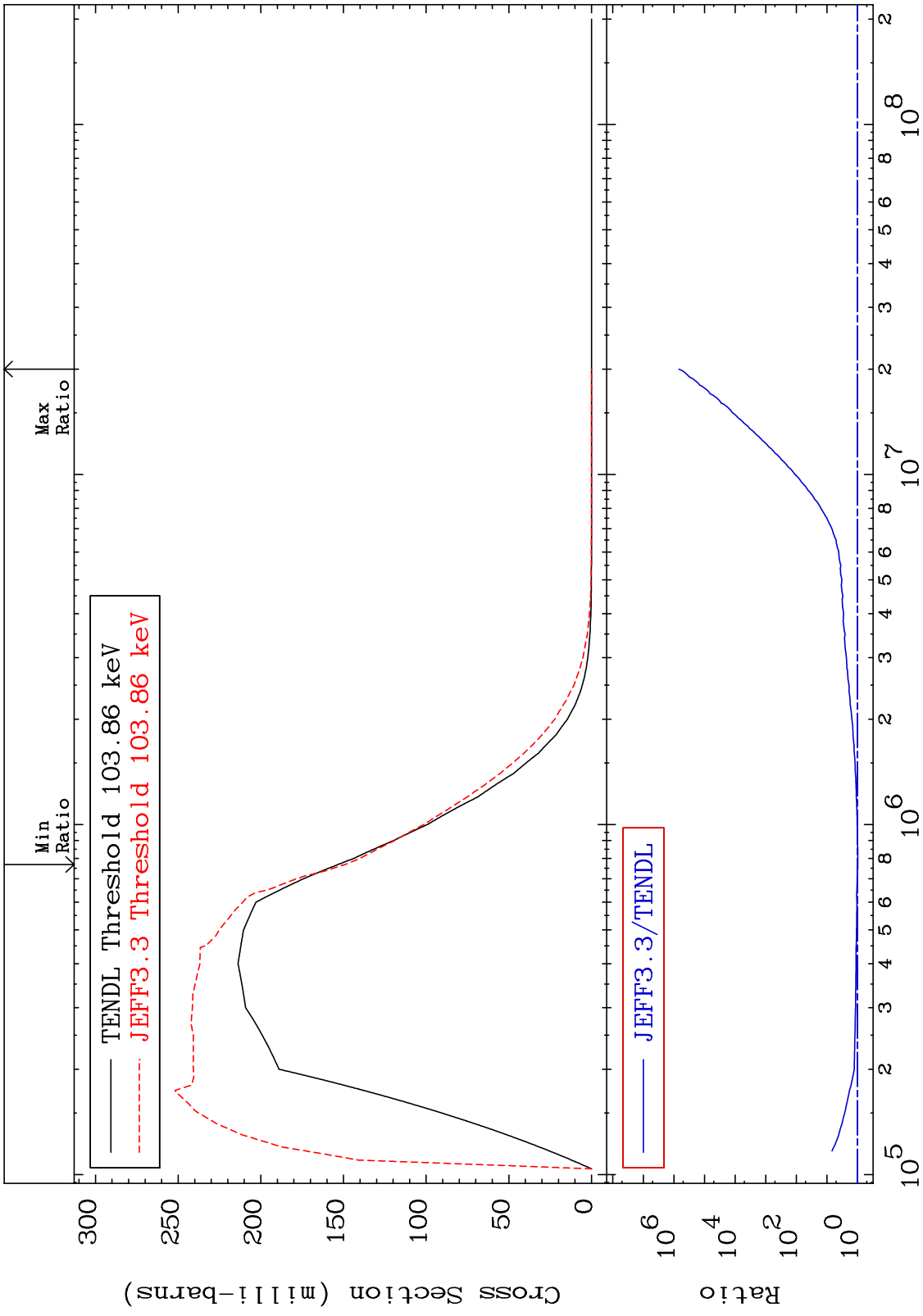


13

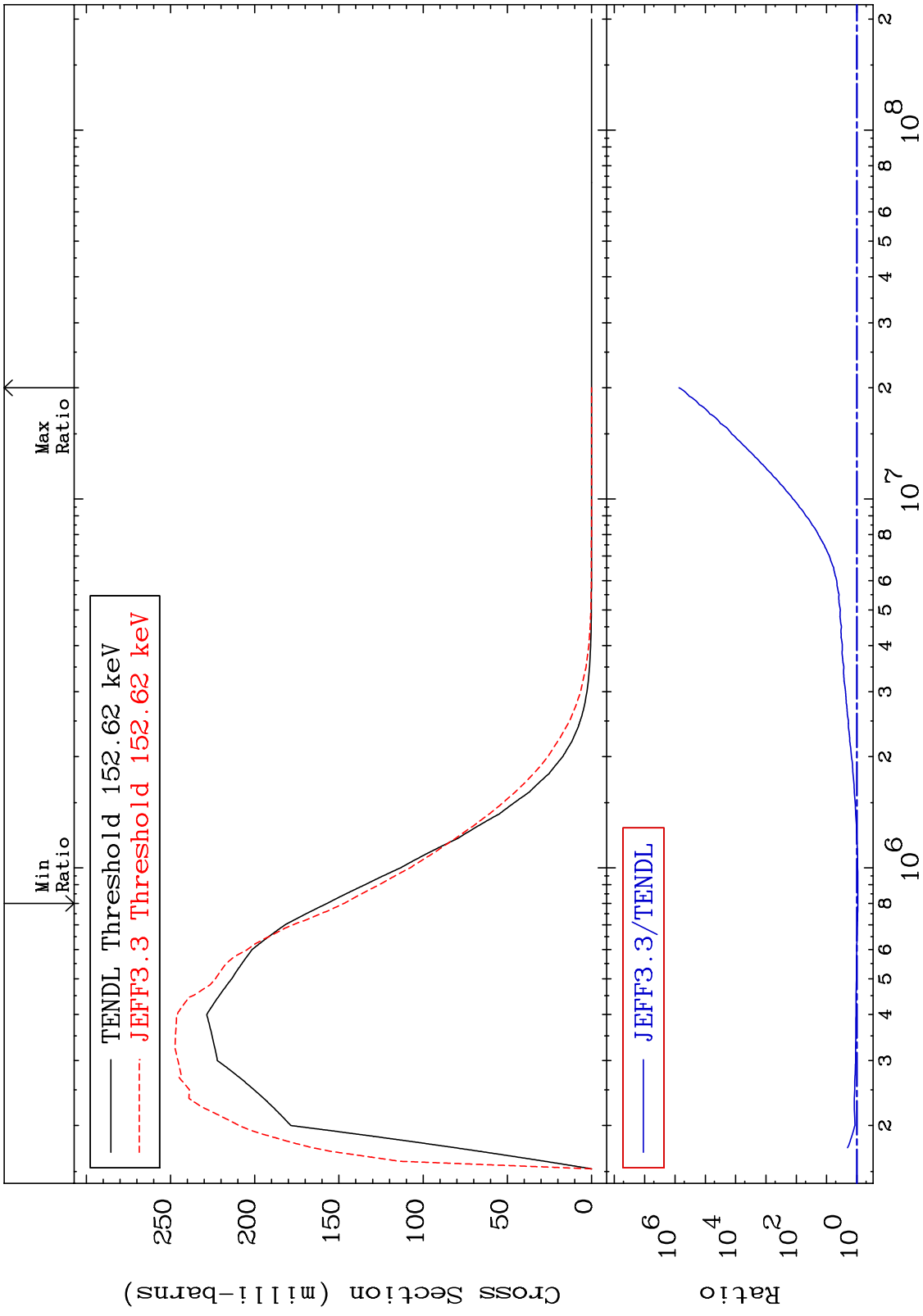
Incident Energy (eV)

63-Eu-153

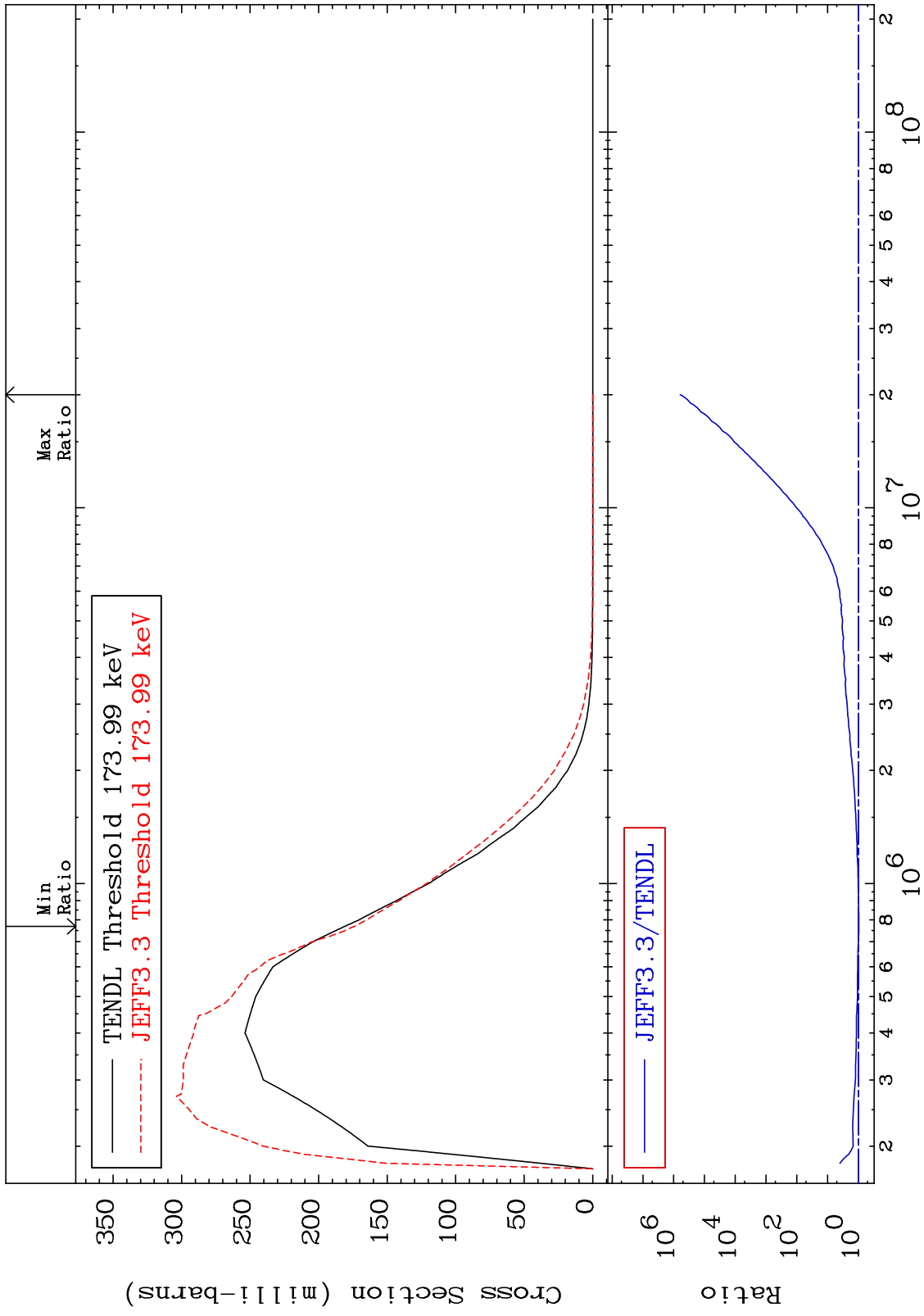
MAT 6331 MT= 53 (n,n') Level Cross Section 63-Eu-153
 -2.777 To 9999. %



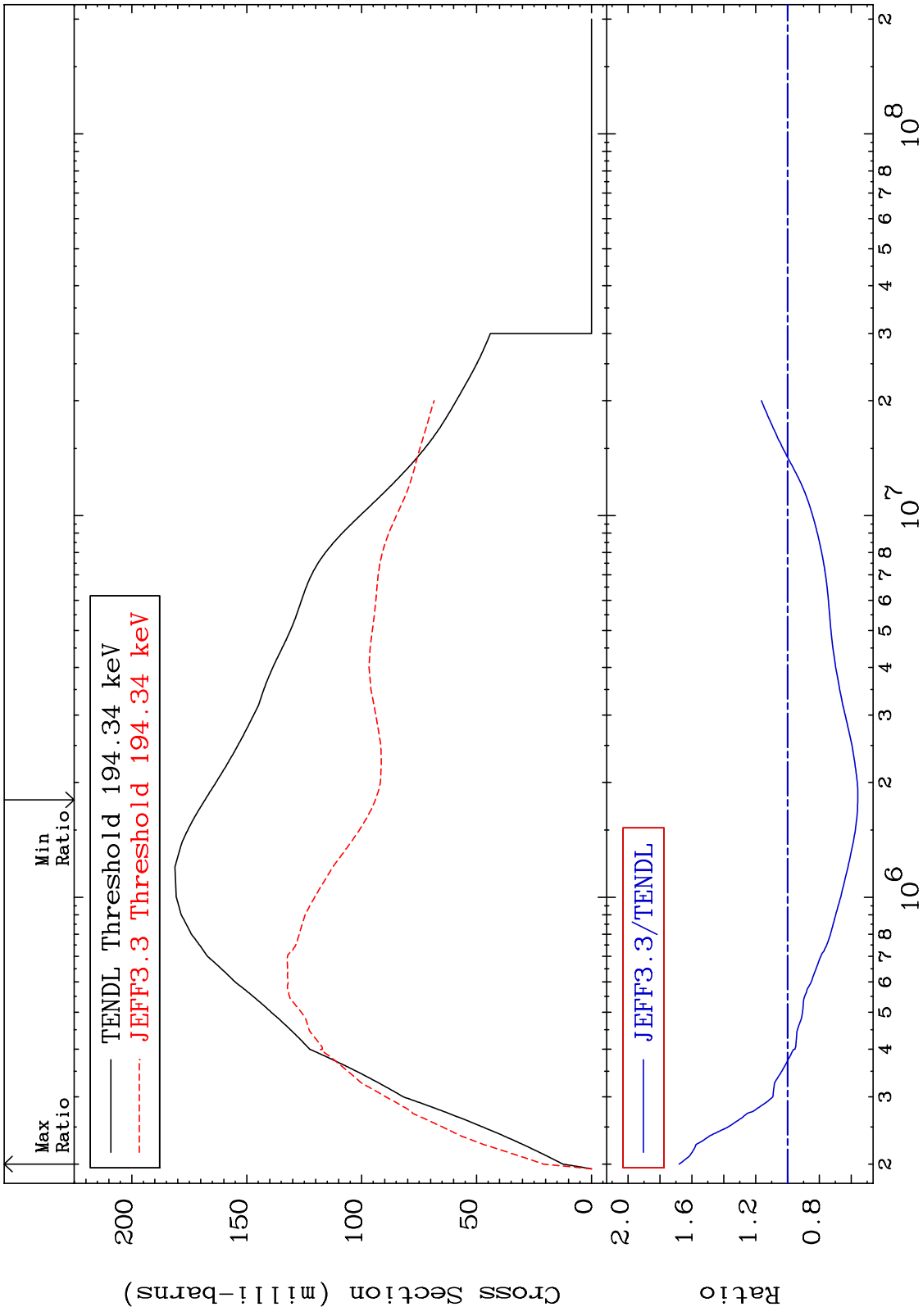
MAT 6331
MT= 54 (n,n') Level
Cross Section
63-Eu-153
-6.417 To 9999. %



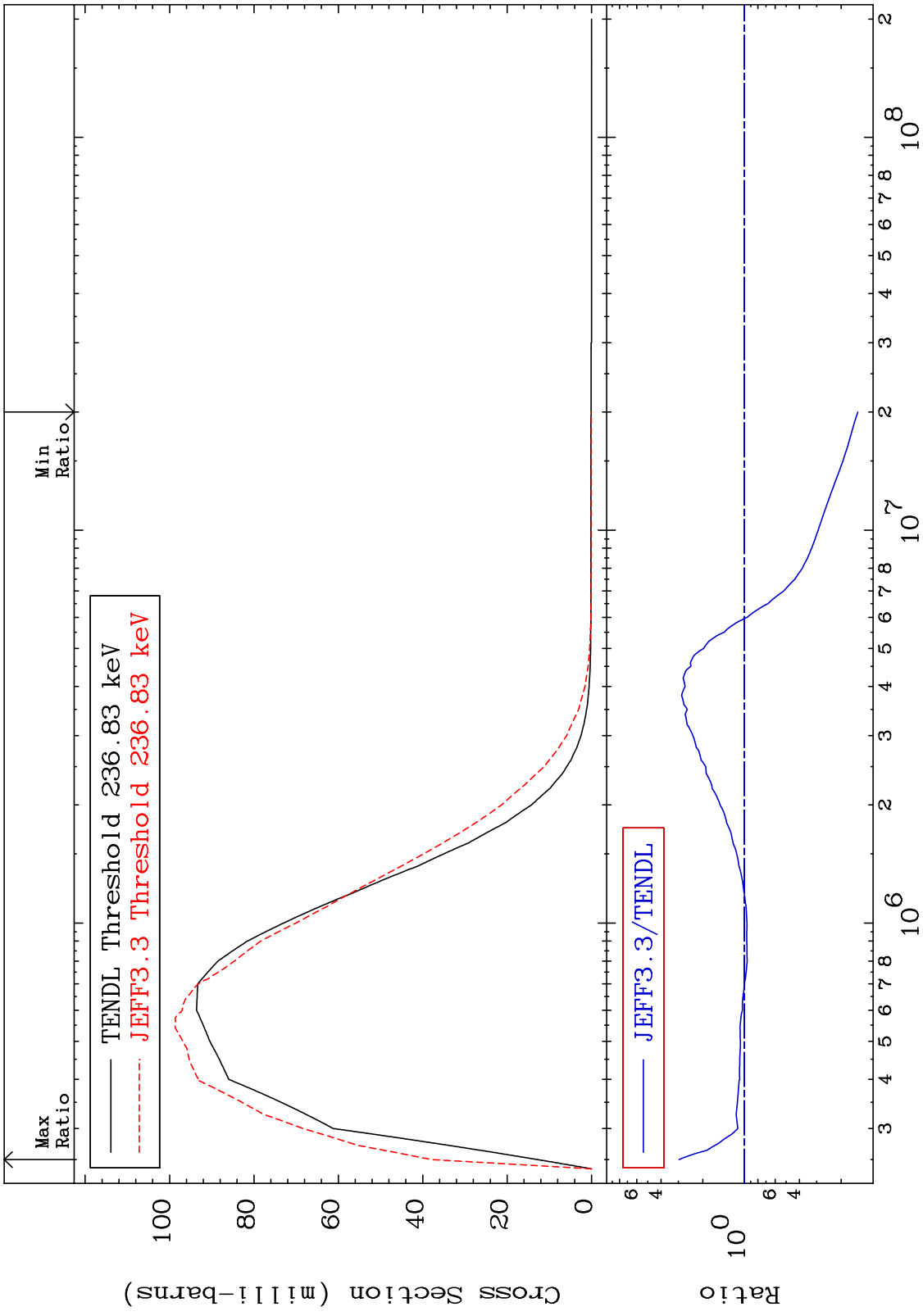
MAT 6331 MT= 55 (n,n') Level Cross Section 63-Eu-153
 -3.947 To 9999. %



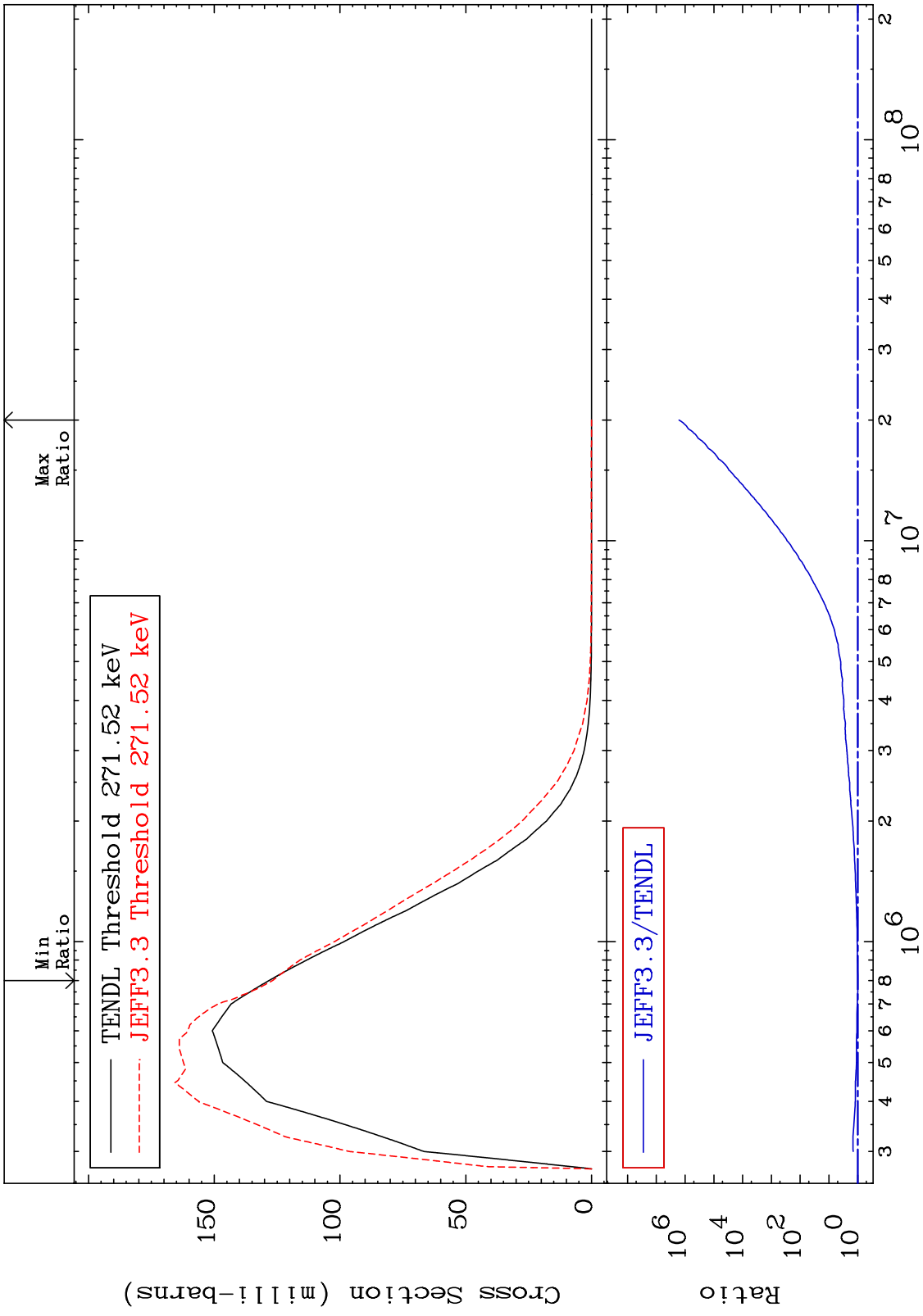
MAT 6331 MT= 56 (n,n') Level Cross Section 63-Eu-153
 -44.09 To 68.02 %



MAT 6331 MT= 57 (n,n') Level Cross Section 63-Eu-153 -84.85 To 196.8 %



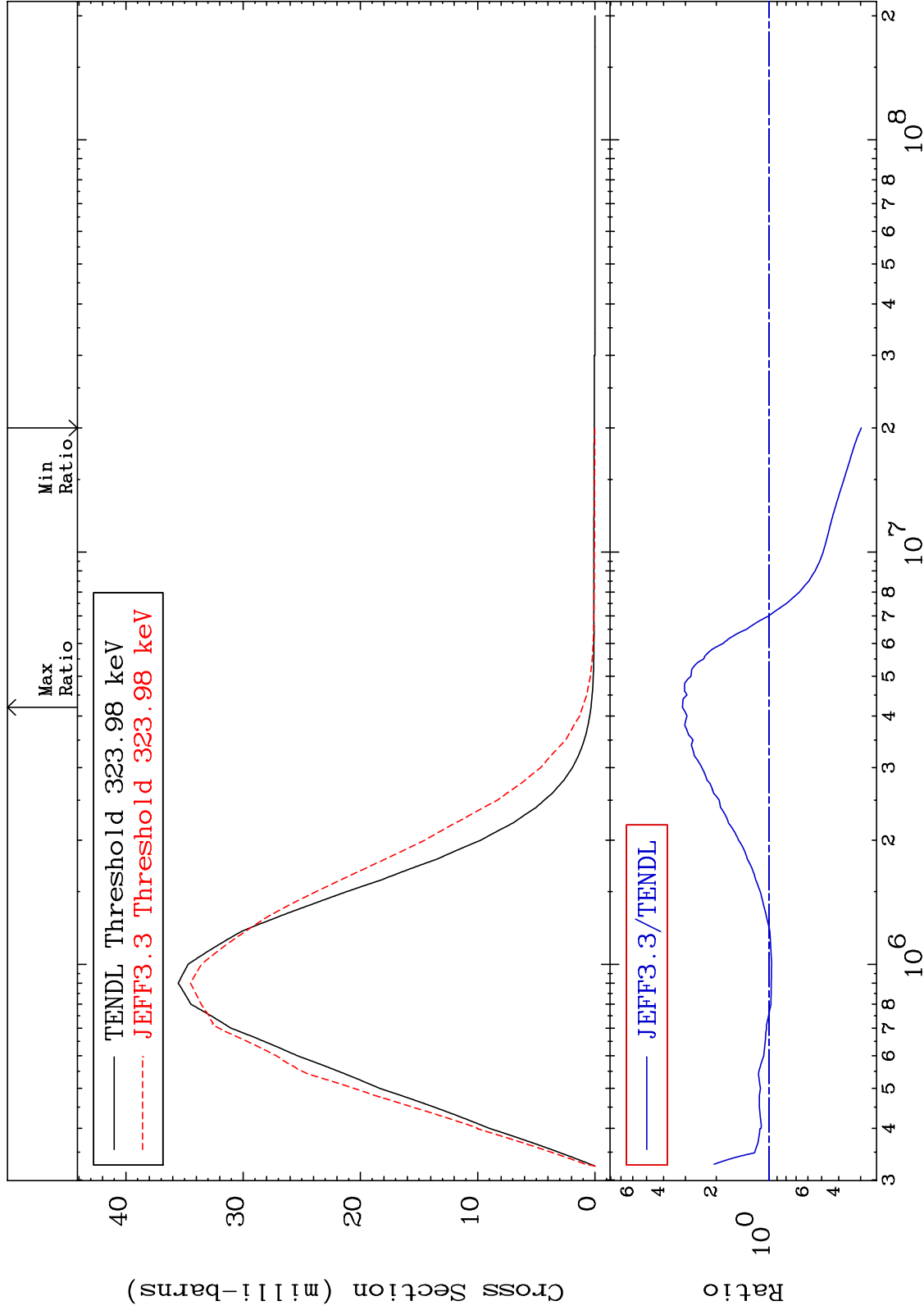
MAT 6331 MT= 58 (n,n') Level Cross Section 63-Eu-153
 -1.130 To 9999. %



MAT 6331

MT= 59 (n,n') Level
Cross Section

63-Eu-153
-70.27 To 211.8 %

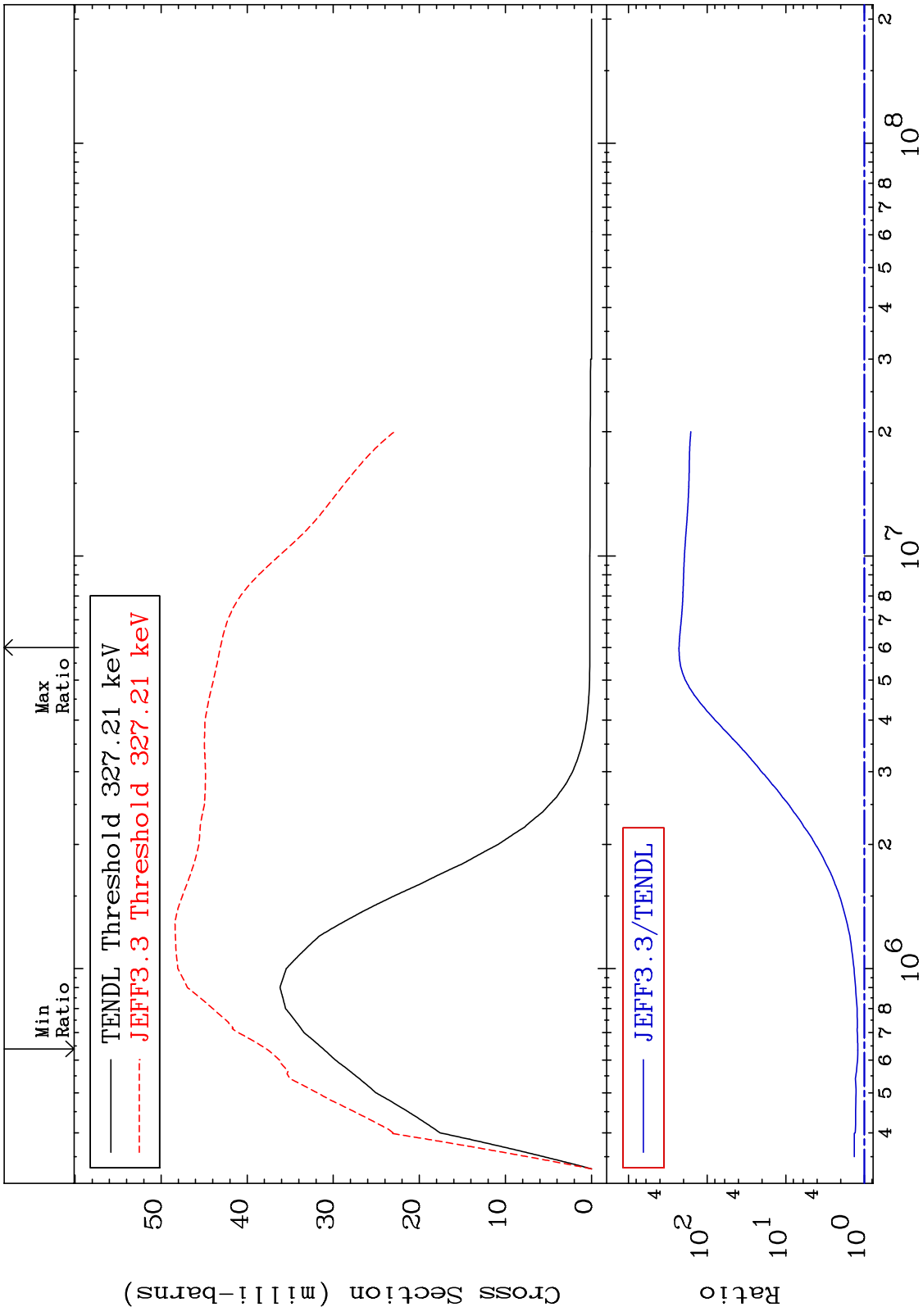


20

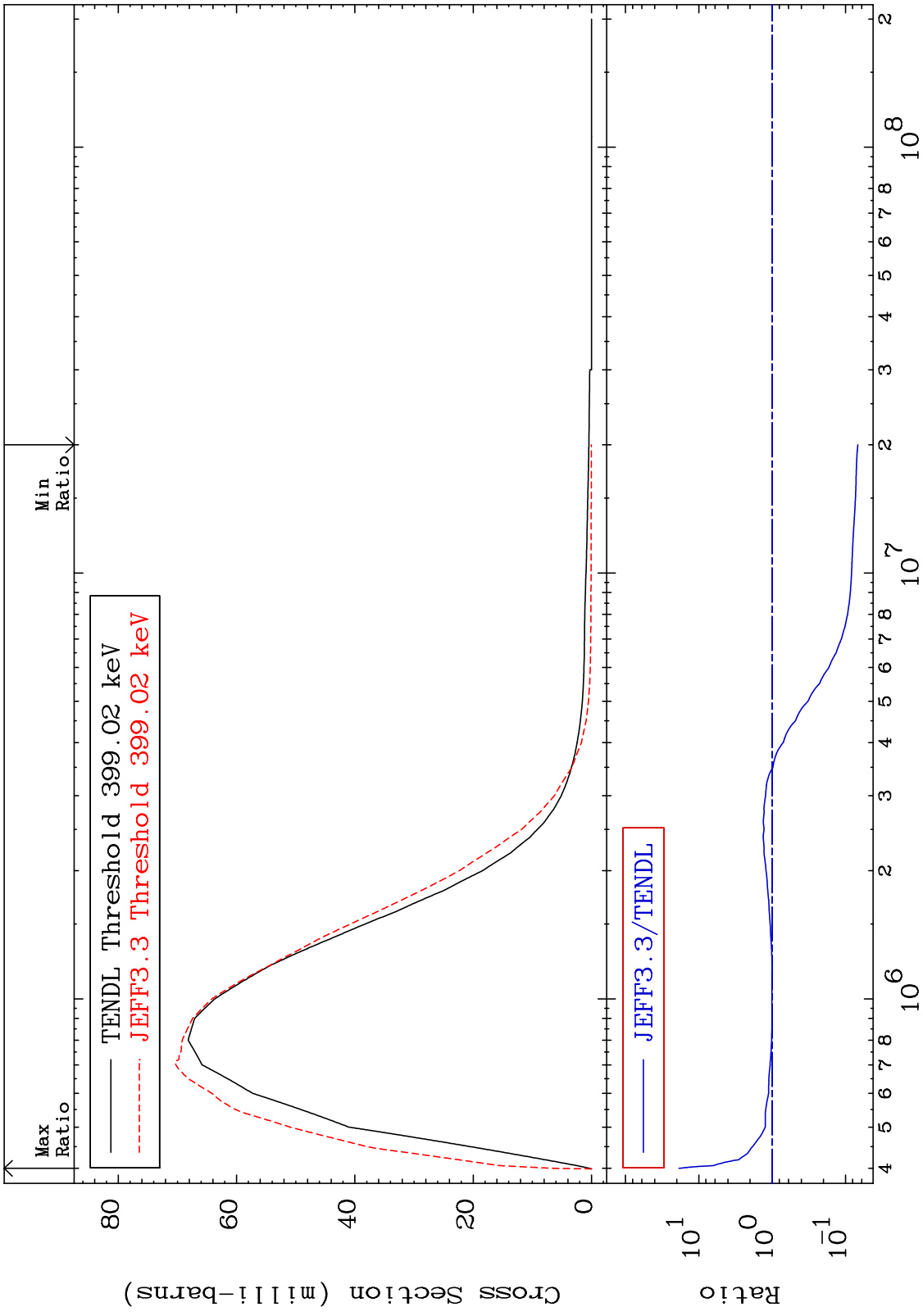
Incident Energy (eV)

63-Eu-153

MAT 6331 MT= 60 (n,n') Level Cross Section 63-Eu-153 21.13 To 9999. %



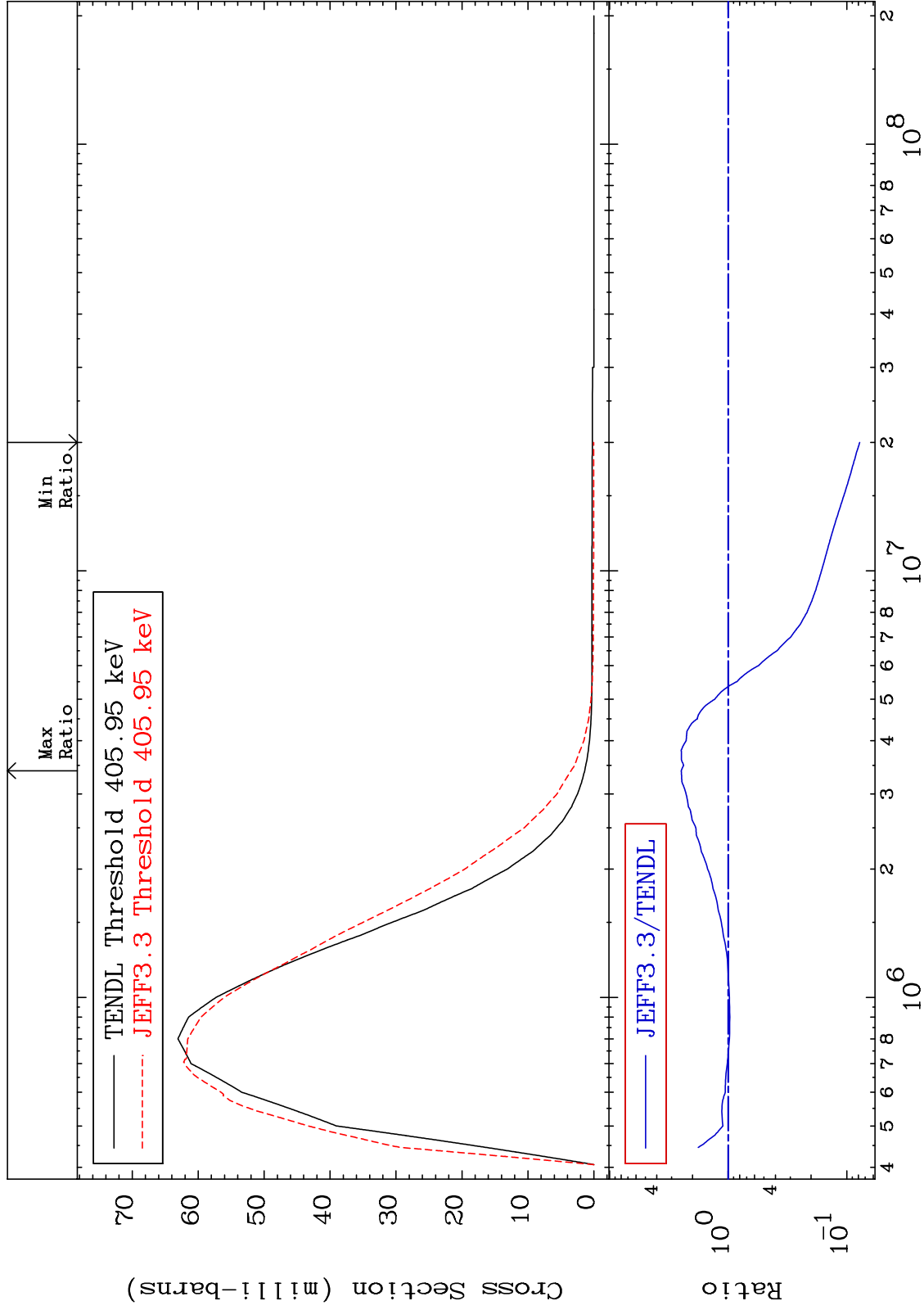
MAT 6331 MT= 61 (n,n') Level Cross Section 63-Eu-153
 -93.22 To 1760. %



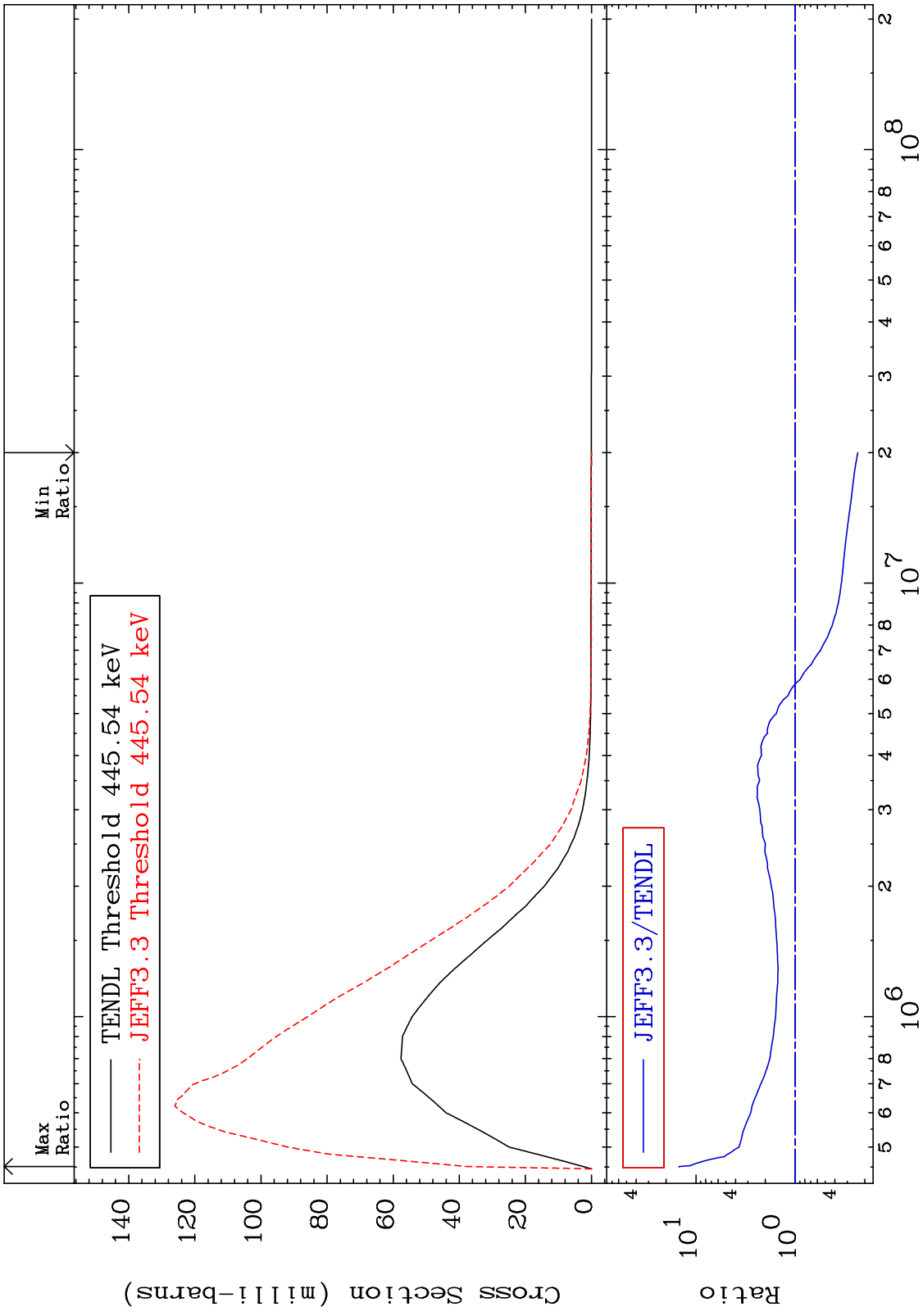
MAT 6331

MT= 62 (n,n') Level
Cross Section

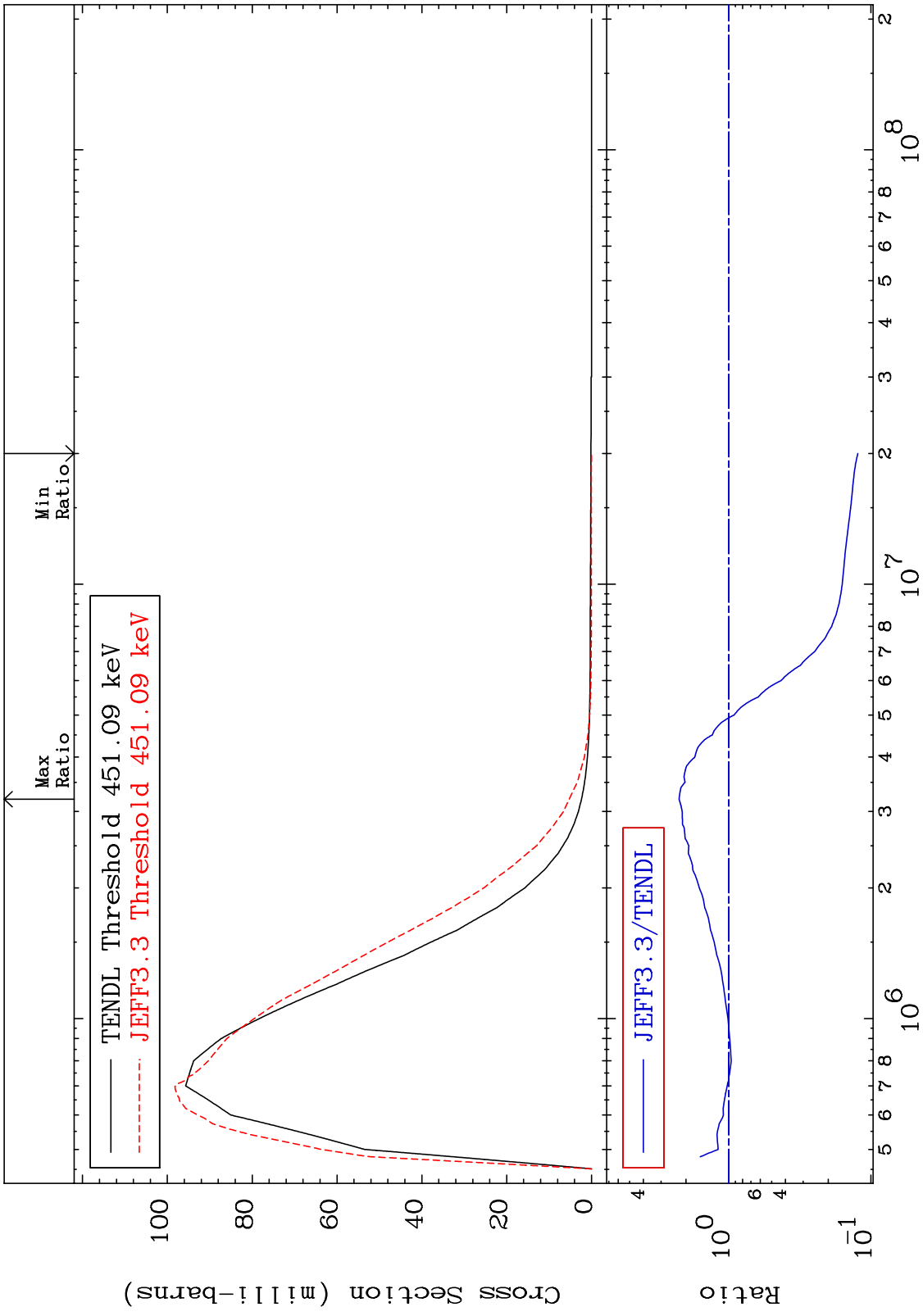
63-Eu-153
-92.22 To 148.8 %



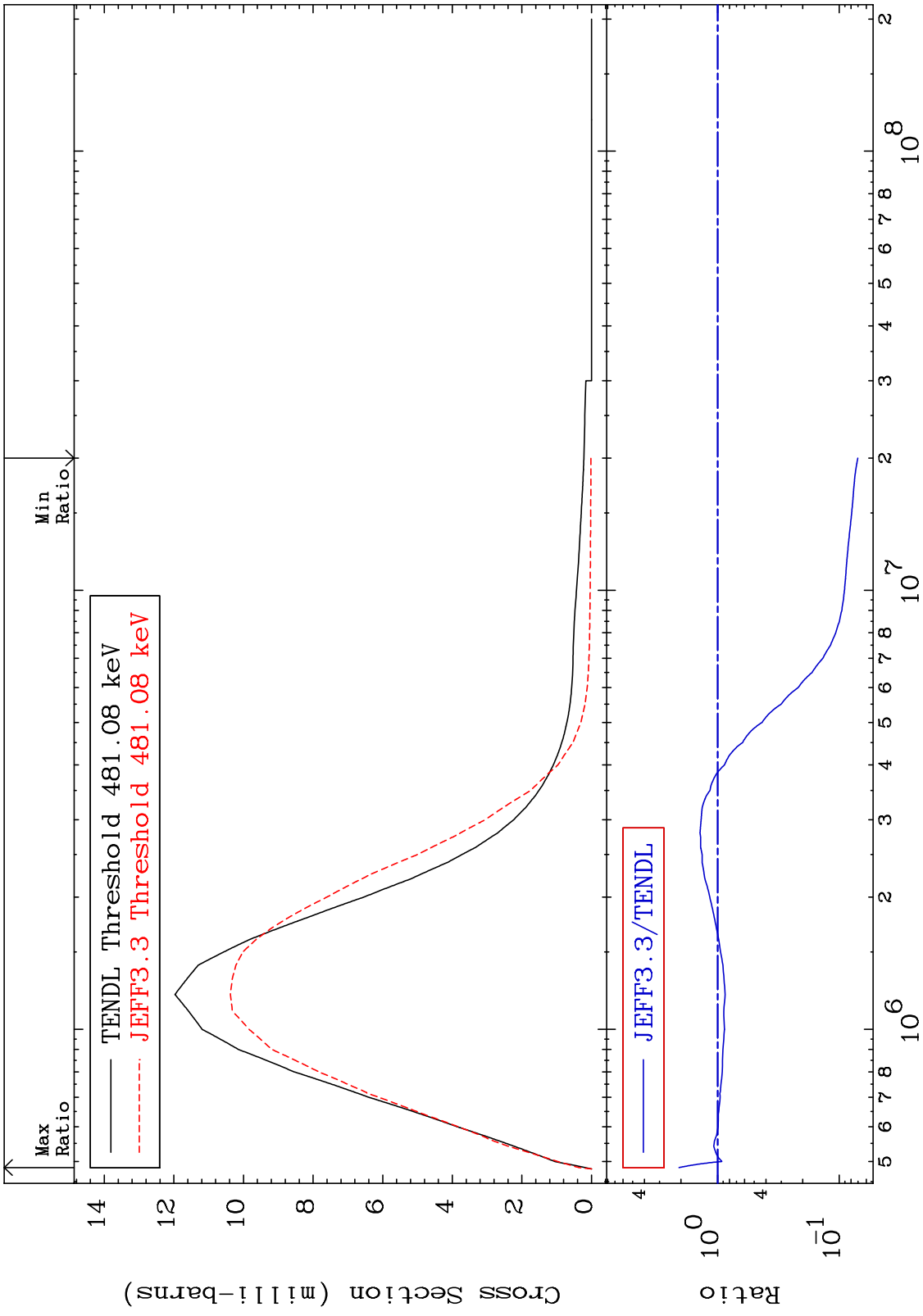
MAT 6331 MT= 63 (n,n') Level Cross Section 63-Eu-153
 -76.55 To 1382. %



MAT 6331 MT= 64 (n,n') Level Cross Section 63-Eu-153
 -87.63 To 124.0 %



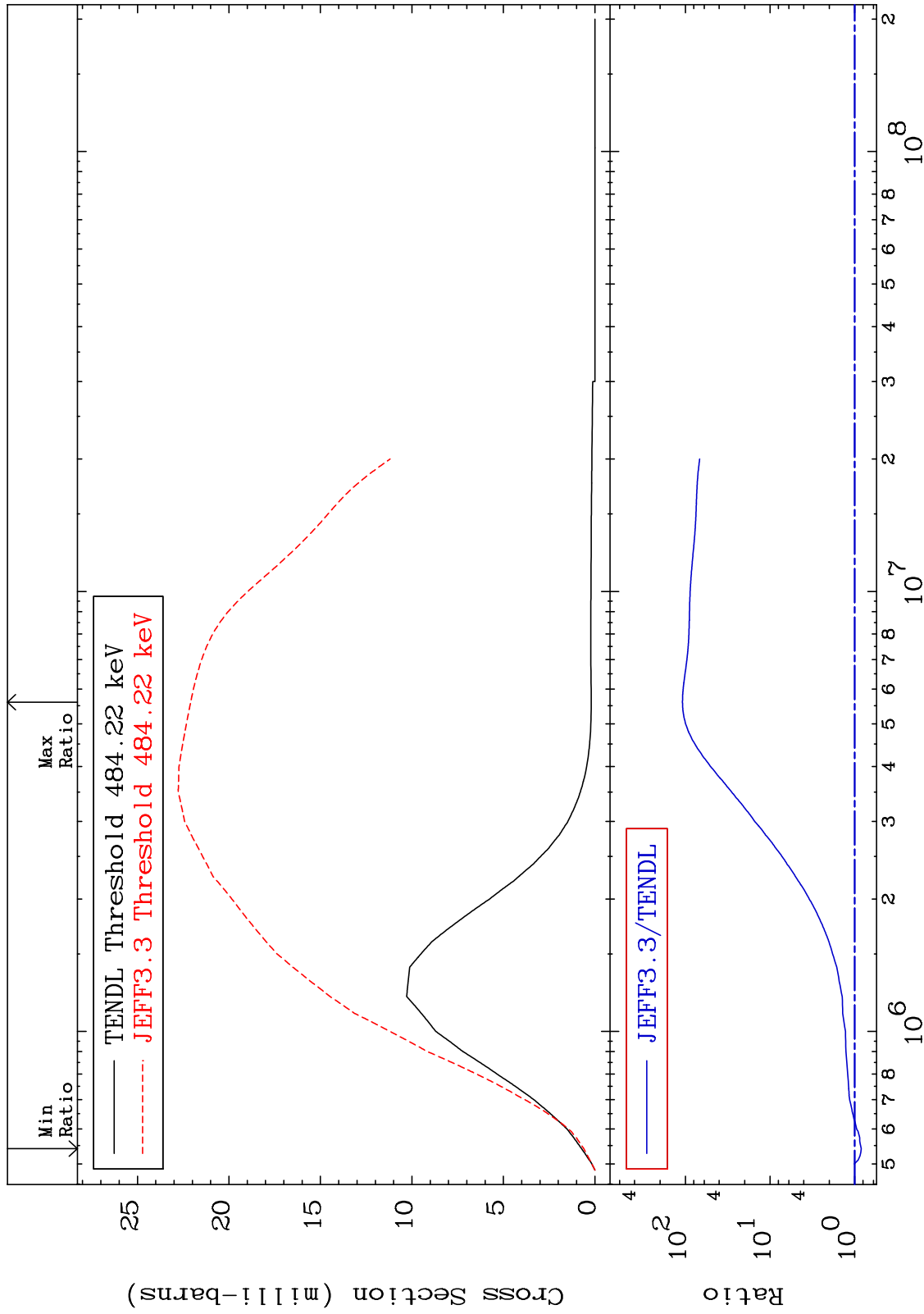
MAT 6331 MT= 65 (n,n') Level Cross Section 63-Eu-153
 -92.97 To 107.7 %



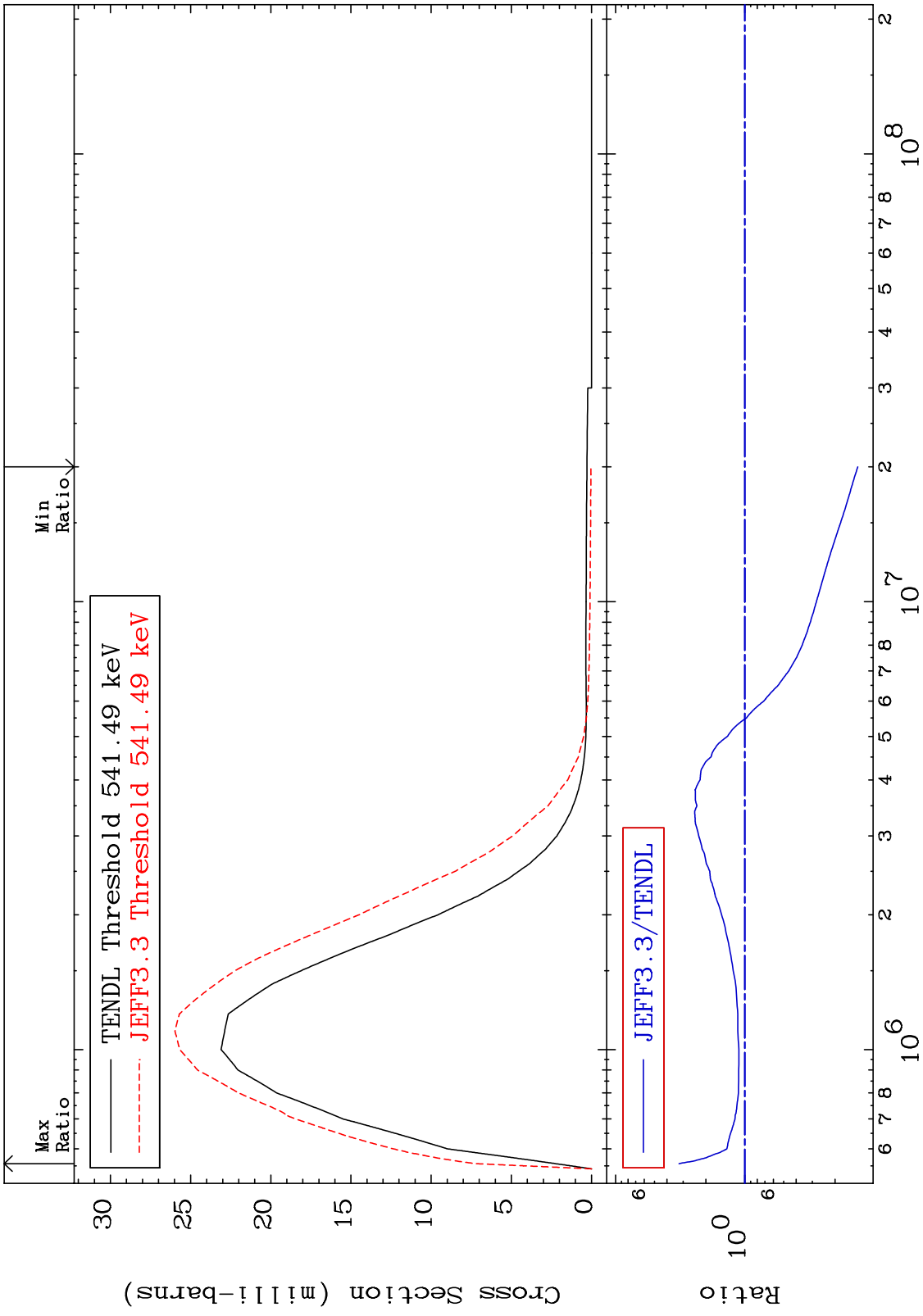
MAT 6331

MT= 66 (n,n') Level
Cross Section

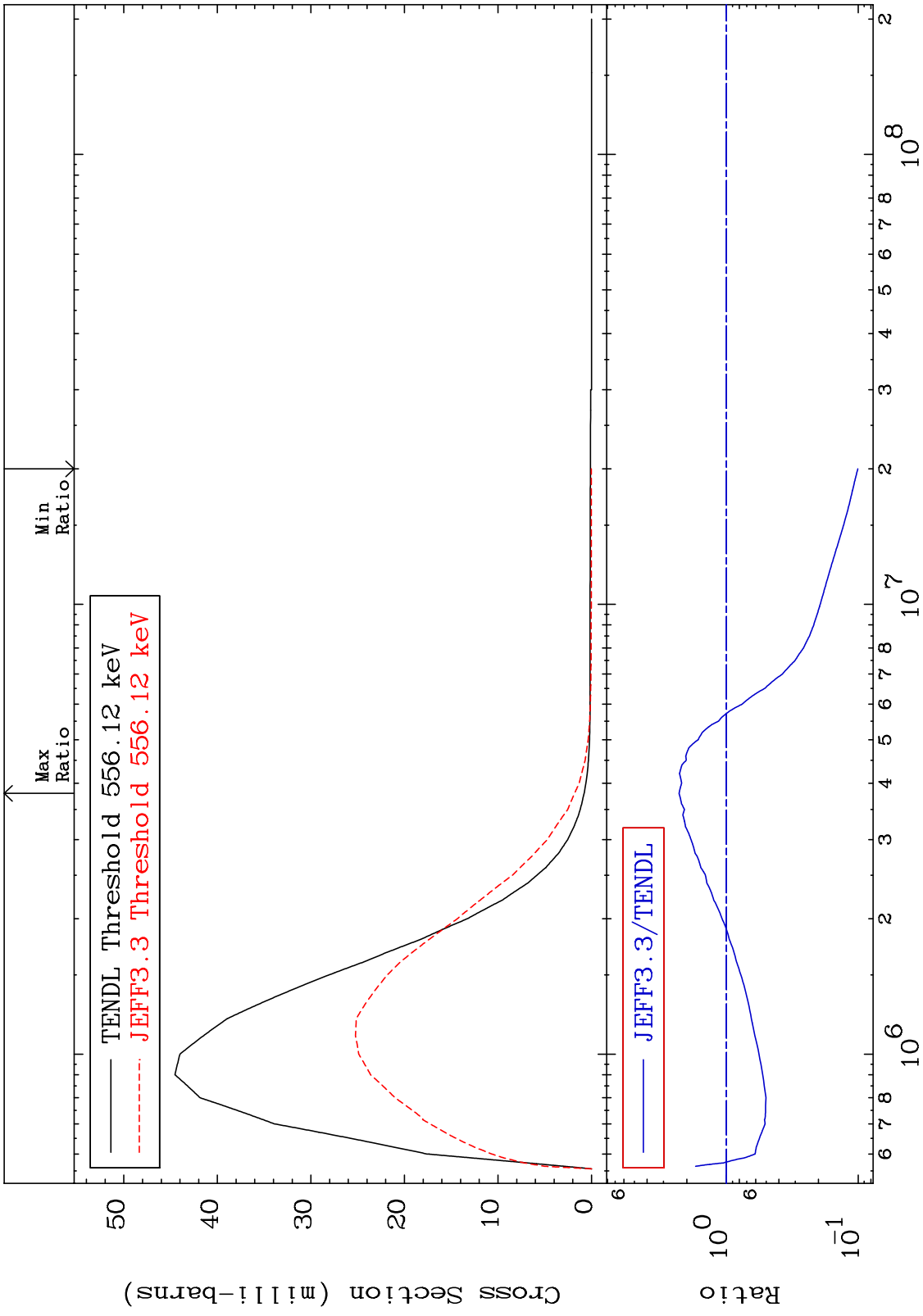
63-Eu-153
-16.31 To 9999. %



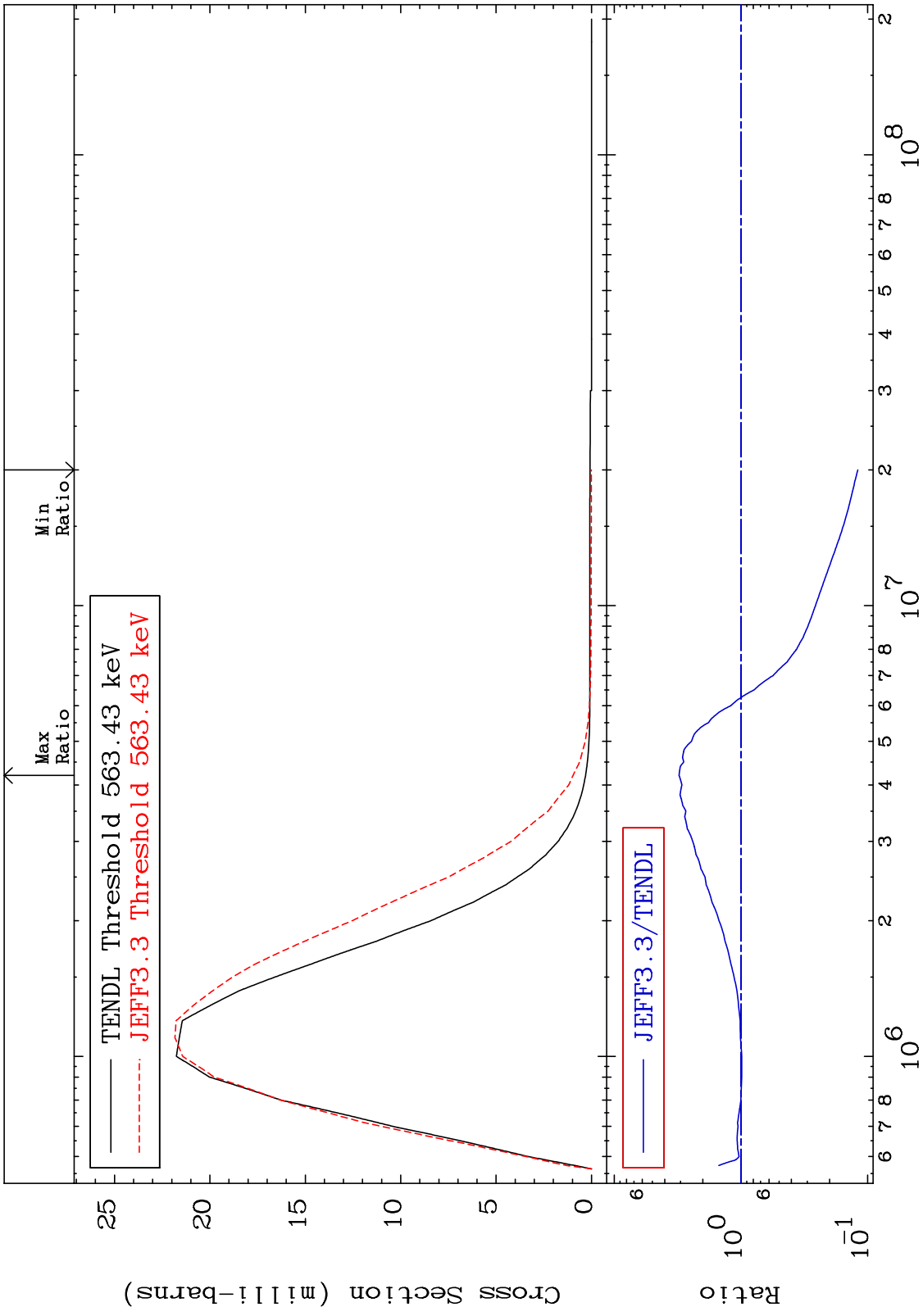
MAT 6331 MT= 67 (n,n') Level Cross Section 63-Eu-153
 -86.66 To 222.9 %



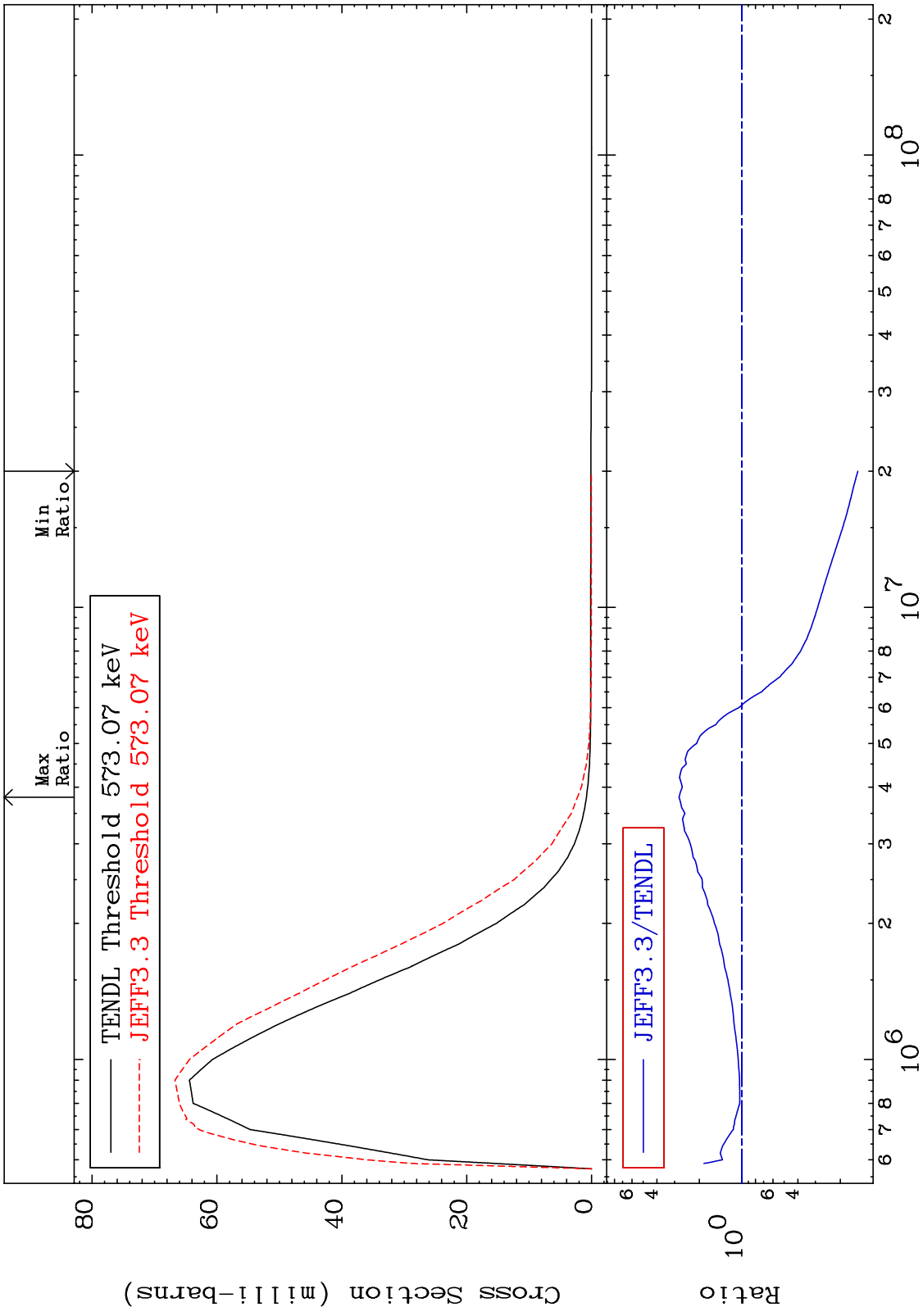
MAT 6331 MT= 68 (n,n') Level Cross Section 63-Eu-153
 -89.94 To 128.9 %



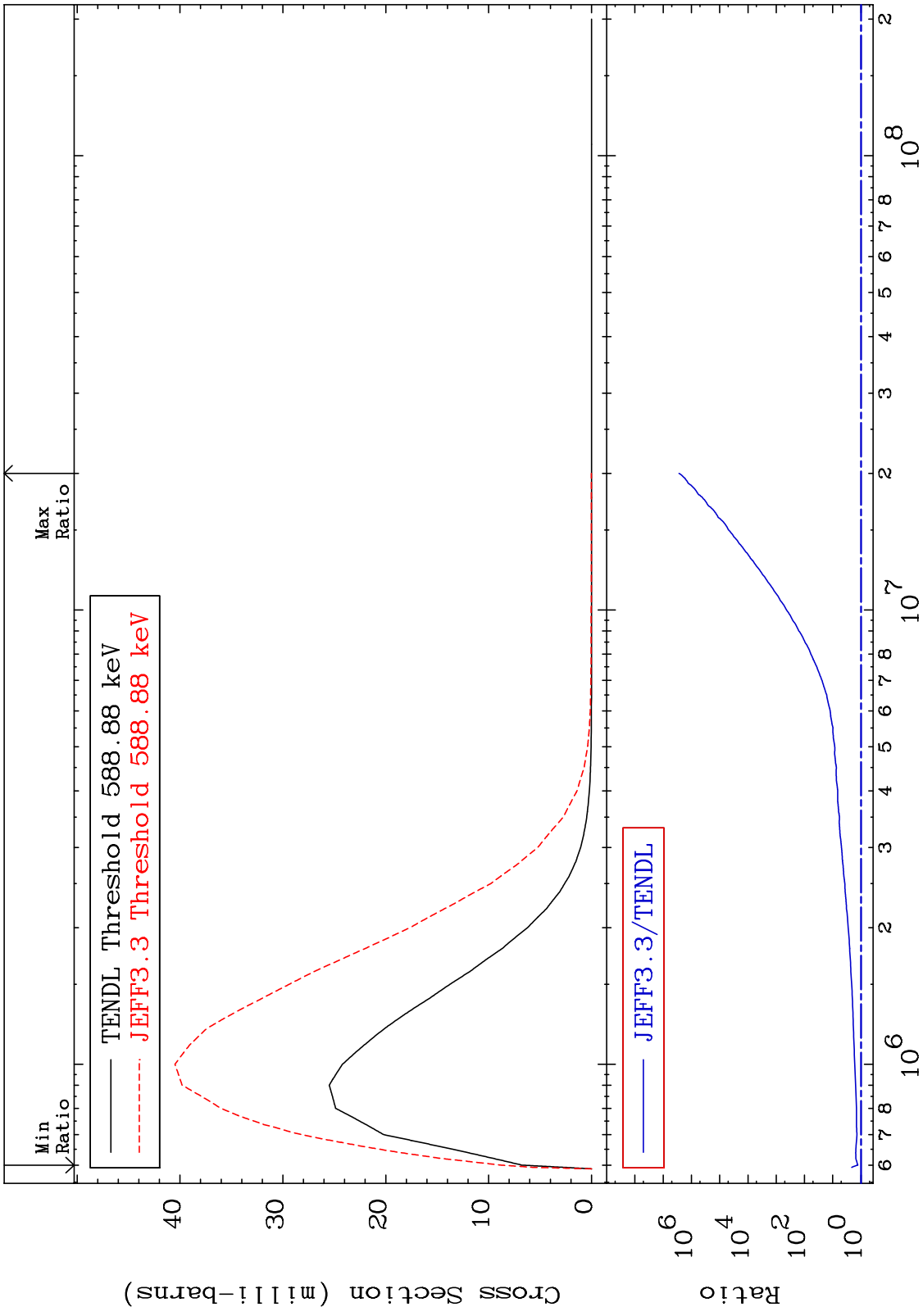
MAT 6331 MT= 69 (n,n') Level Cross Section 63-Eu-153 -88.04 To 208.0 %



MAT 6331 MT= 70 (n,n') Level Cross Section 63-Eu-153
 -84.98 To 178.5 %



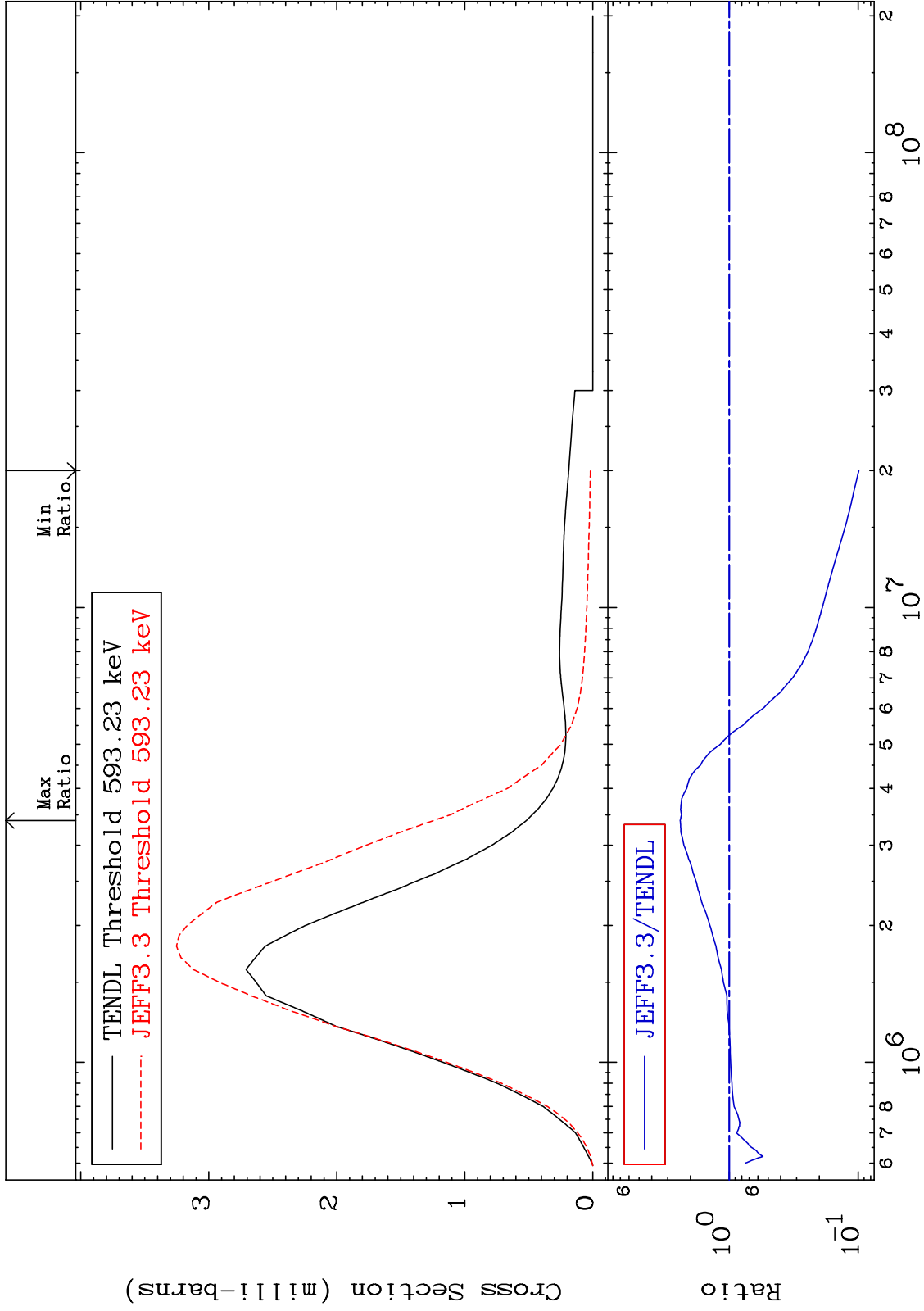
MAT 6331 MT= 71 (n,n') Level Cross Section 63-Eu-153 To 9999. %



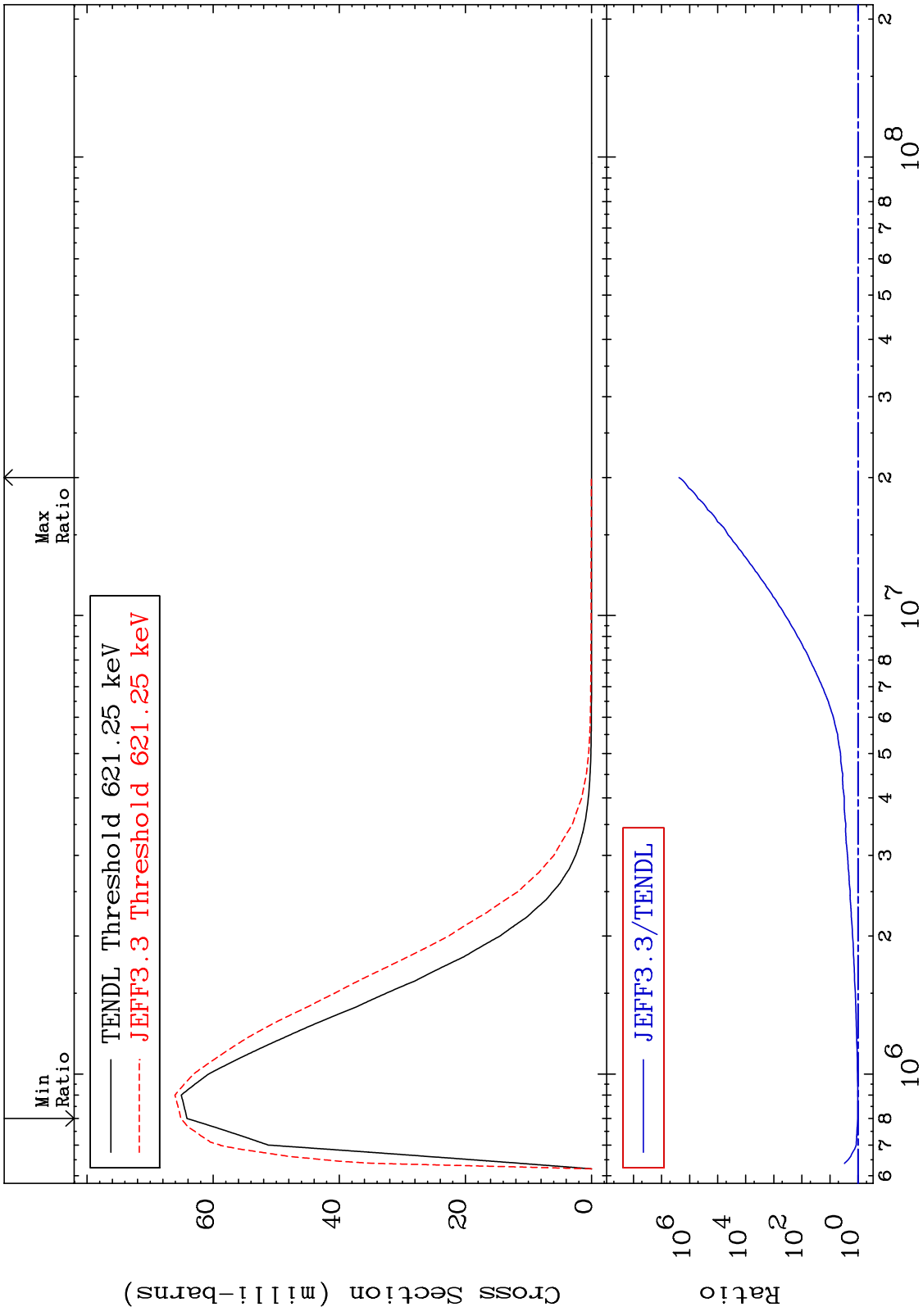
MAT 6331

MT= 72 (n,n') Level
Cross Section

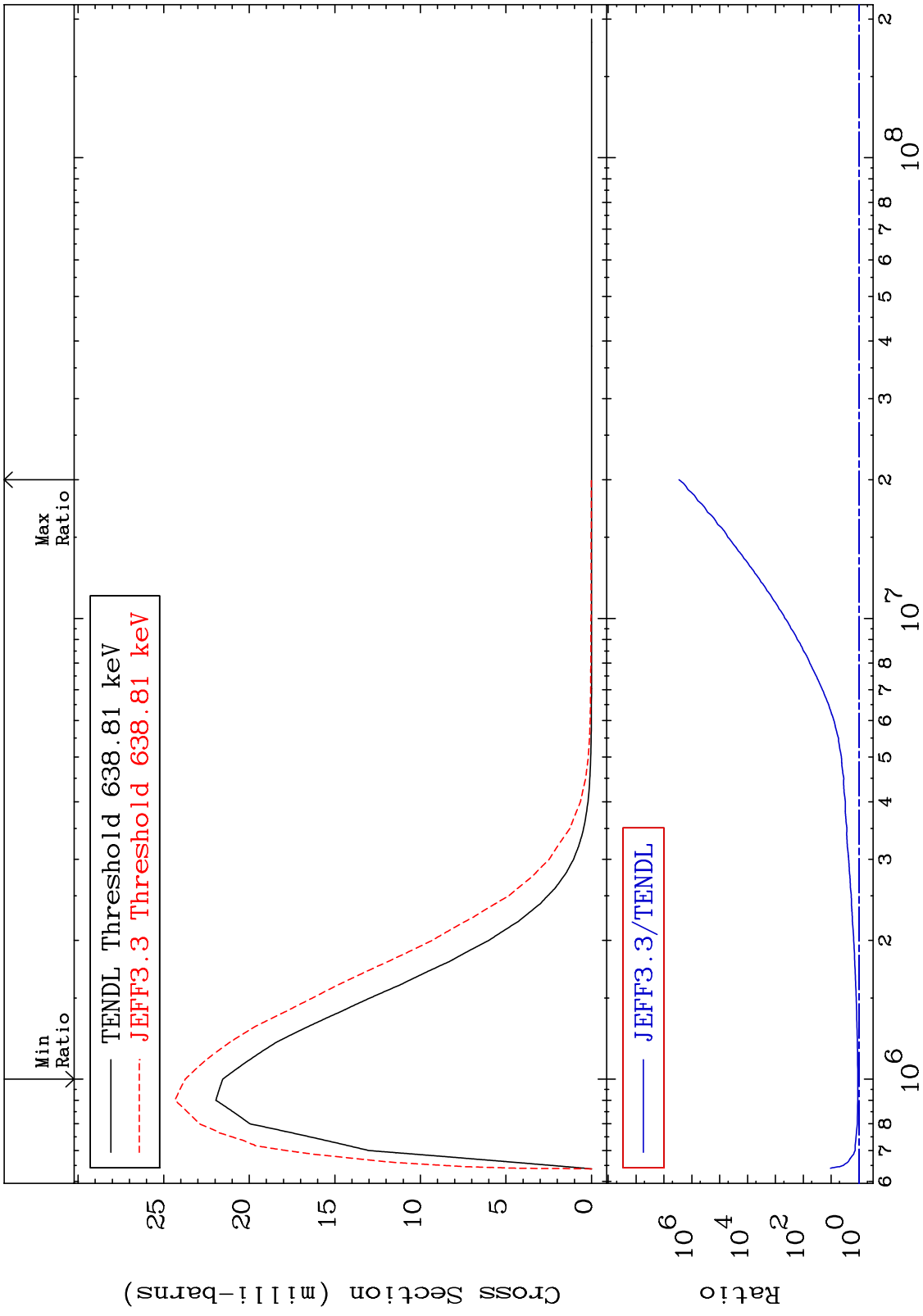
63-Eu-153
-90.13 To 140.2 %



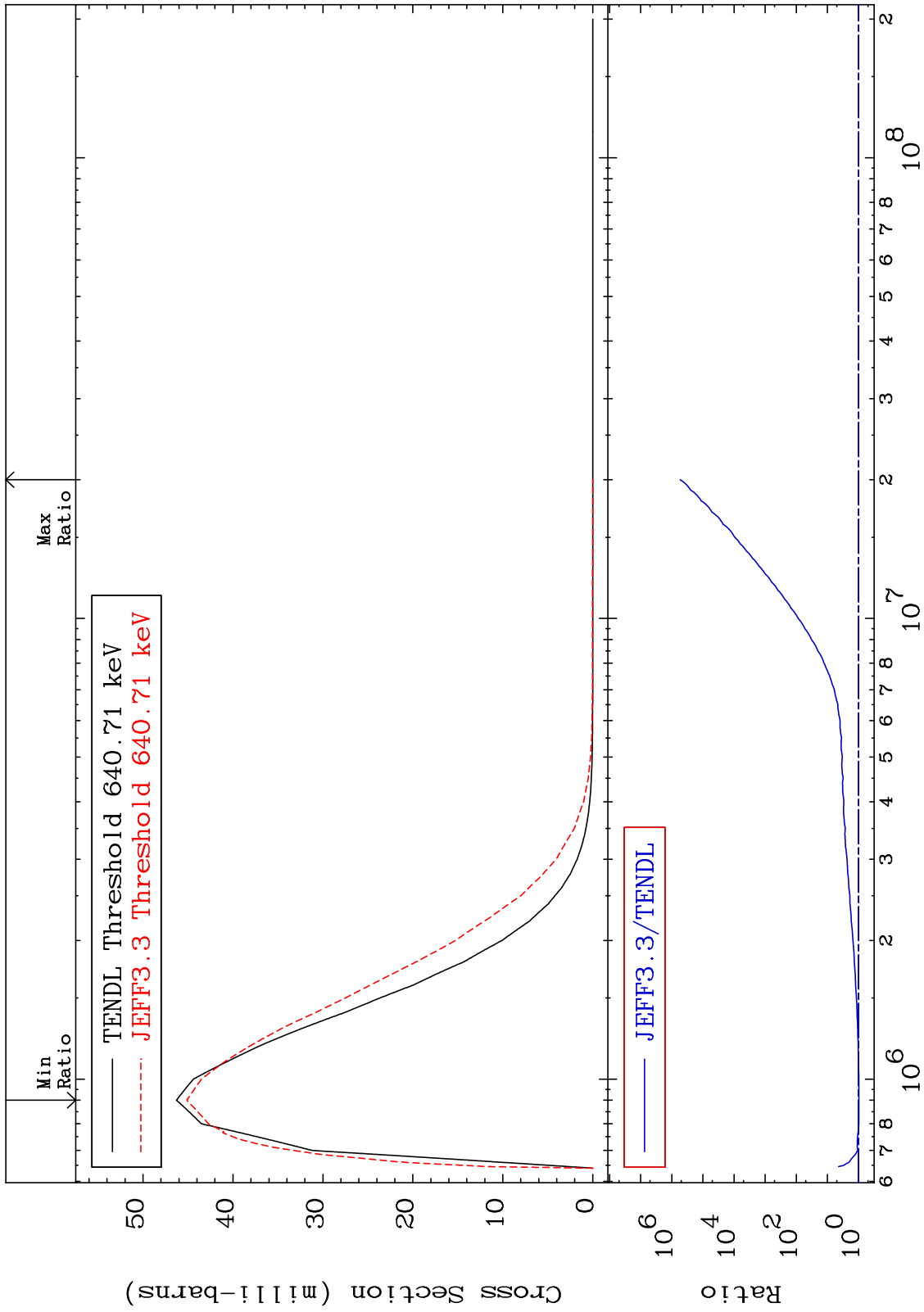
MAT 6331 MT= 73 (n,n') Level Cross Section 63-Eu-153
 1.496 To 9999. %



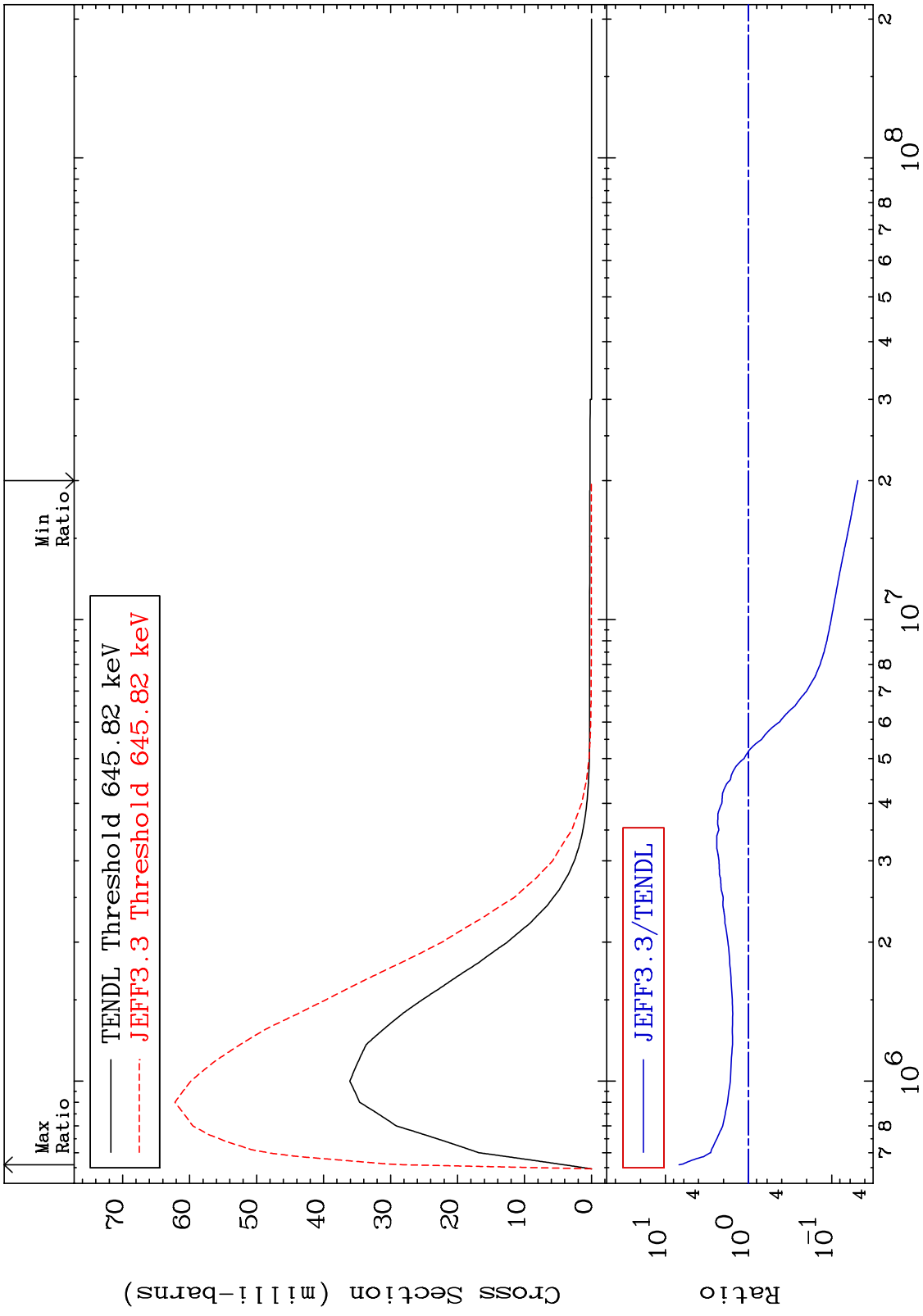
MAT 6331 MT= 74 (n,n') Level Cross Section 63-Eu-153
 10.17 To 9999. %



MAT 6331 MT= 75 (n,n') Level Cross Section 63-Eu-153
 -2.486 To 9999. %



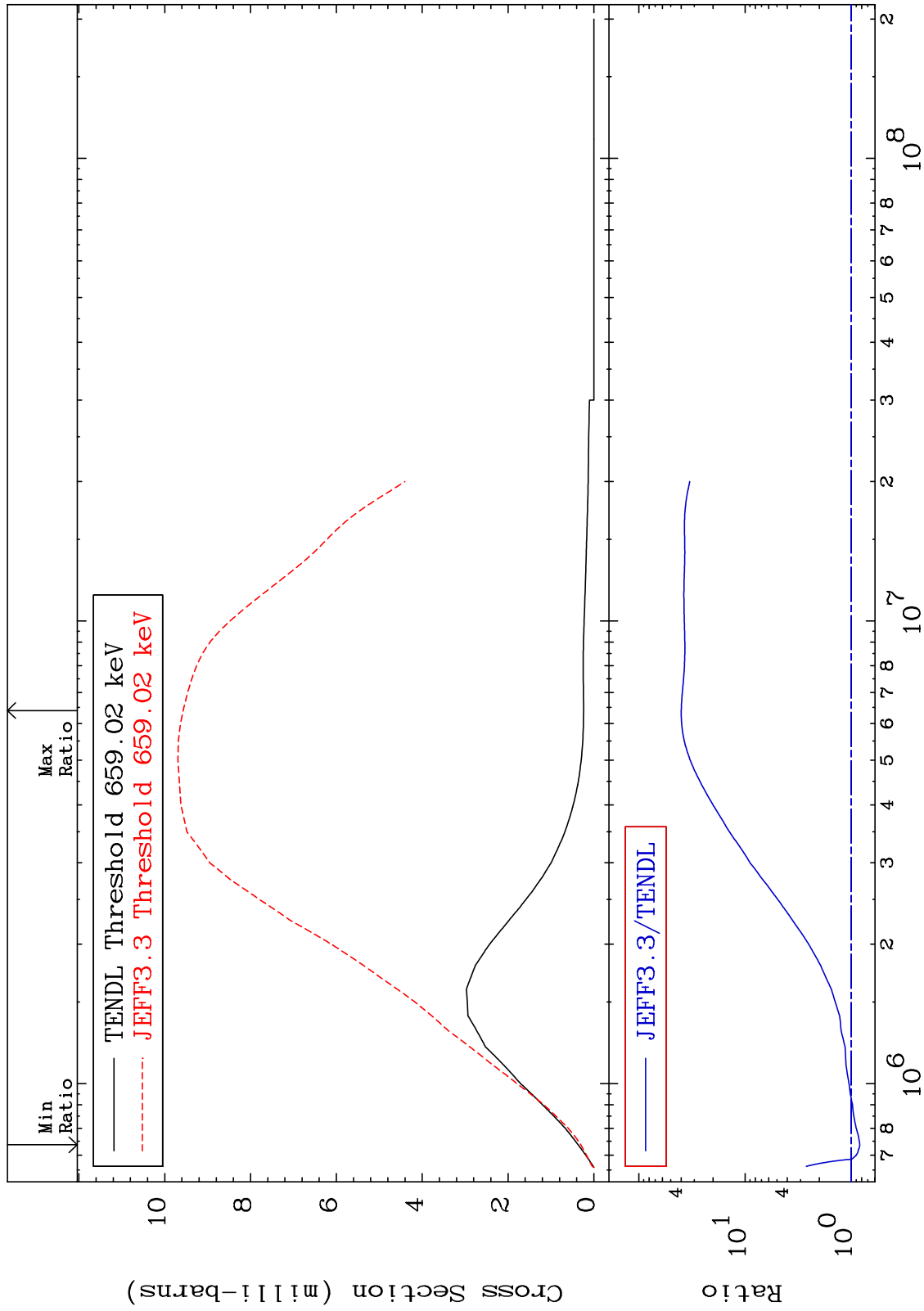
MAT 6331 MT= 76 (n,n') Level Cross Section 63-Eu-153
 -95.15 To 585.8 %



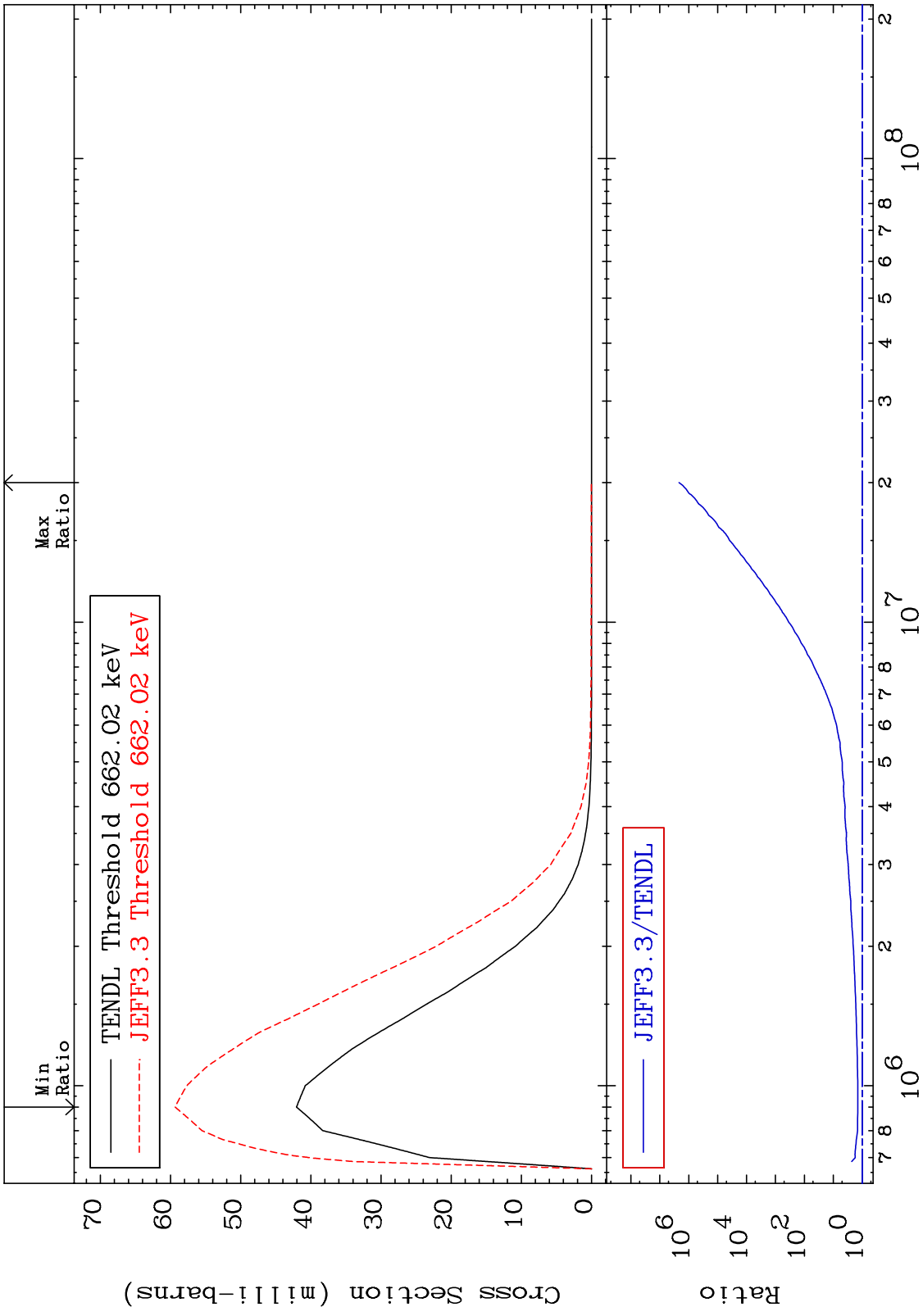
MAT 6331

MT= 77 (n,n') Level
Cross Section

63-Eu-153
-16.79 To 3887. %

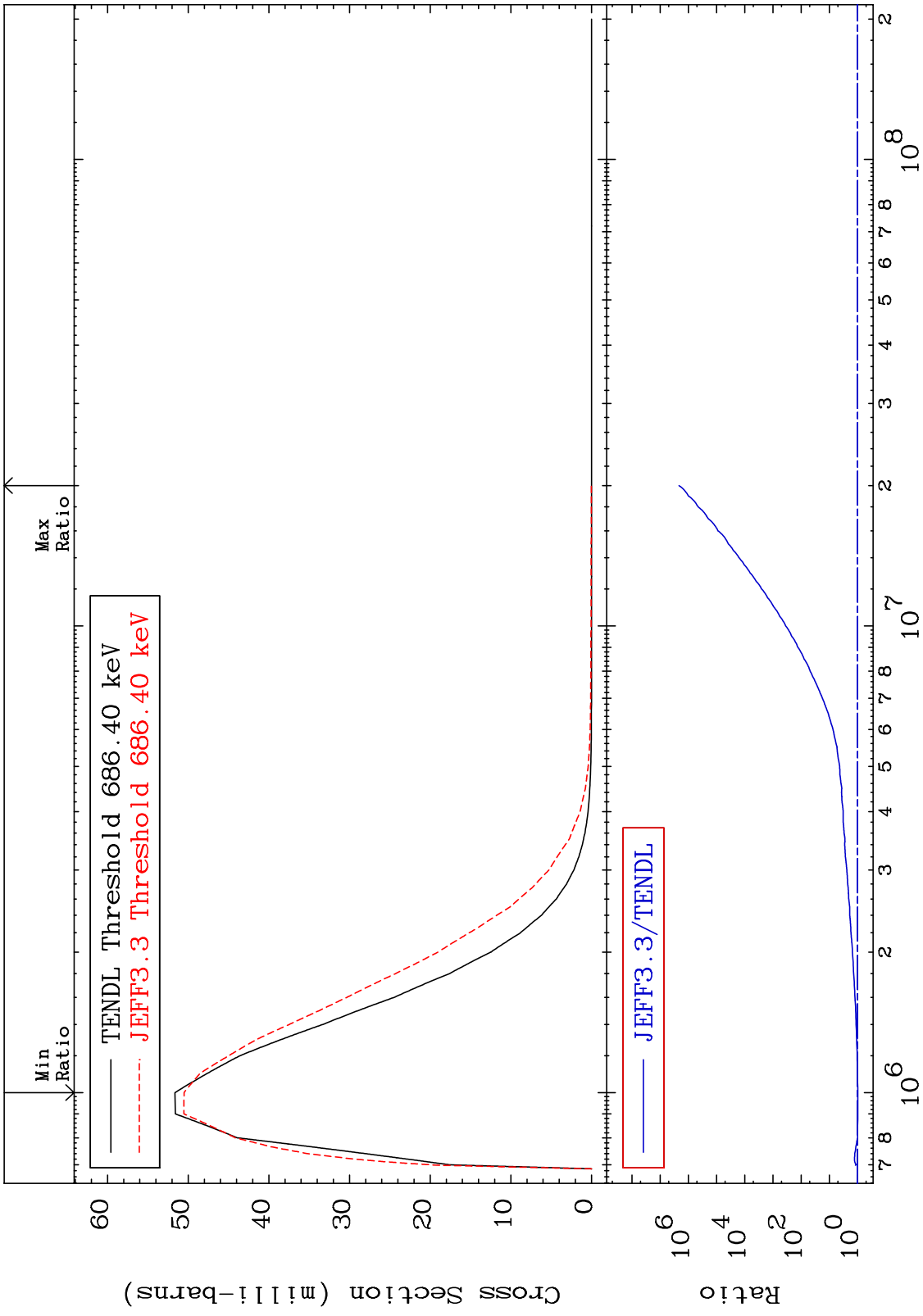


MAT 6331 MT= 78 (n,n') Level Cross Section 63-Eu-153
 41.21 To 9999. %



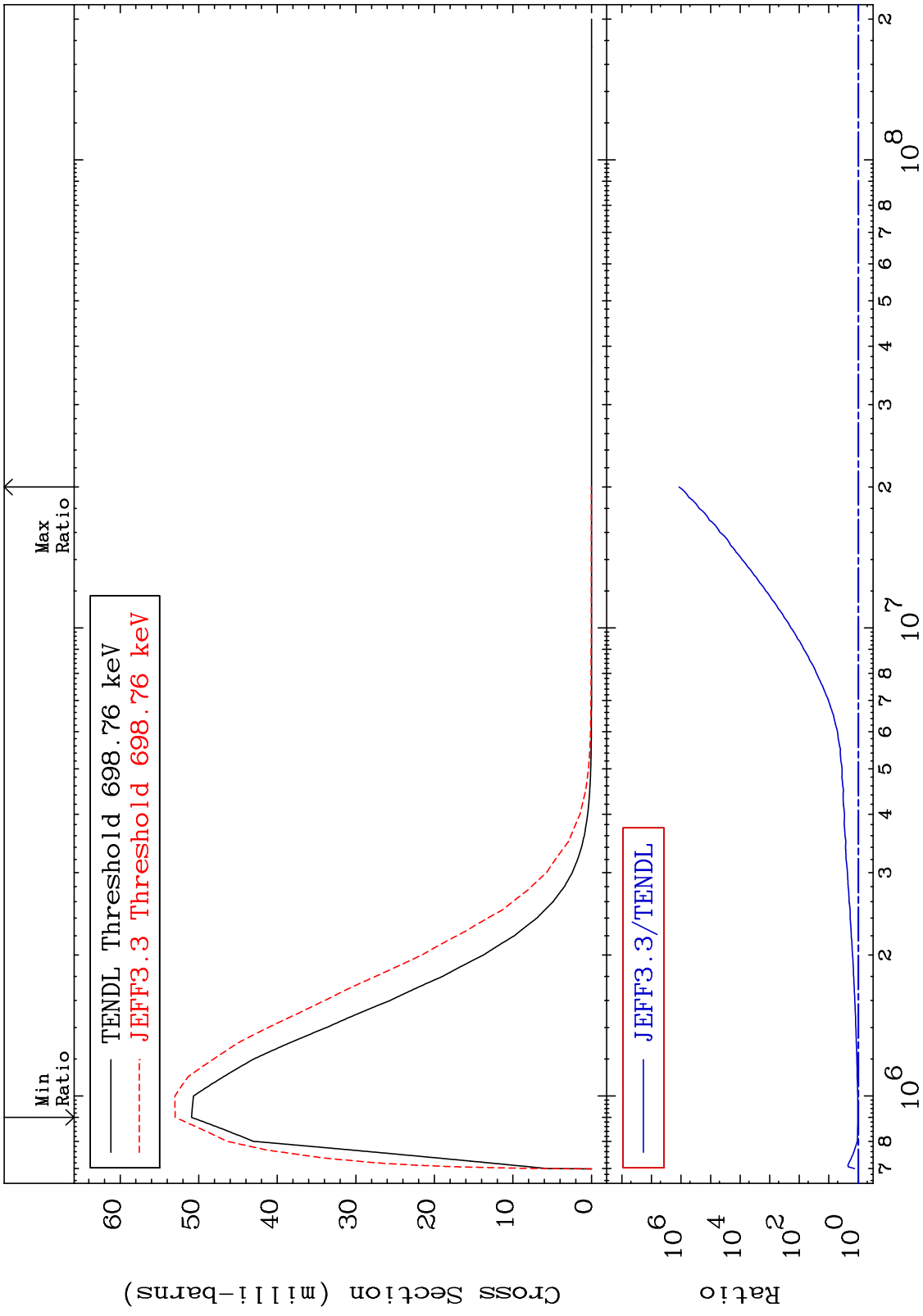
39 Incident Energy (eV) 63-Eu-153

MAT 6331 MT= 79 (n,n') Level Cross Section 63-Eu-153
 -2.171 To 9999. %



40 63-Eu-153

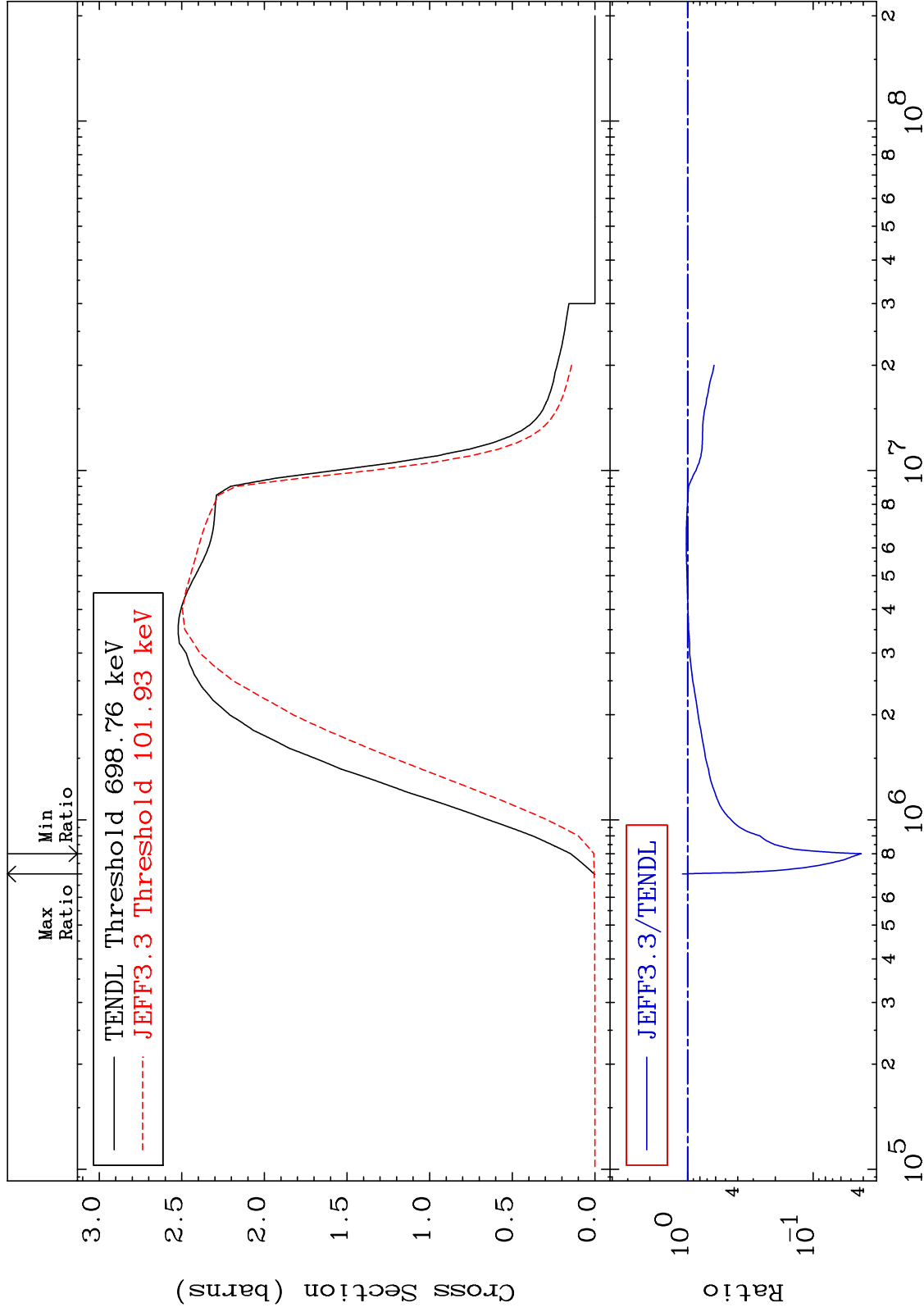
MAT 6331 MT= 80 (n,n') Level Cross Section 63-Eu-153 To 9999. %



MAT 6331

(n, n') Continuum
Cross Section

63-Eu-153
-95.86 To 10.05 %



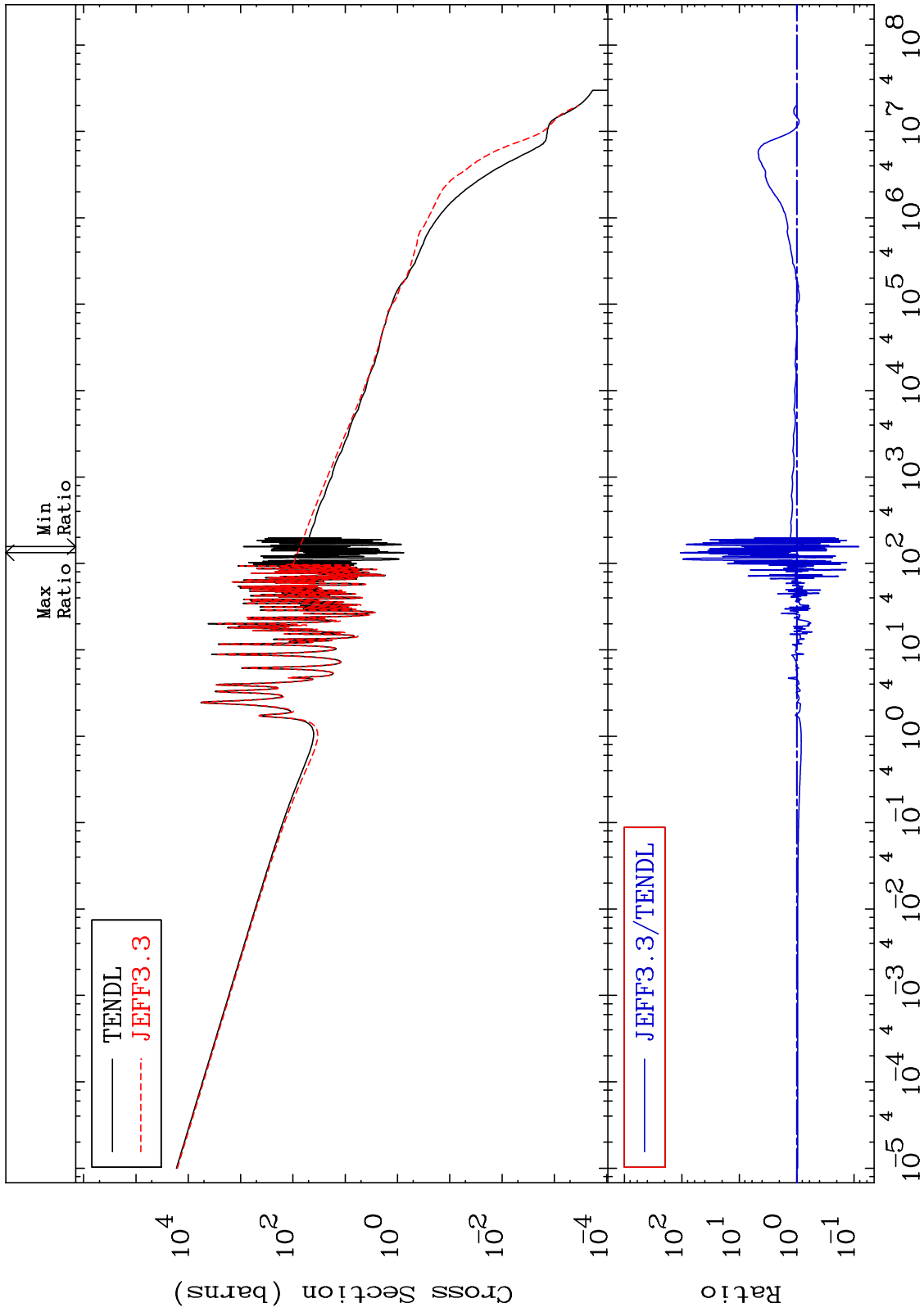
42

Incident Energy (eV)

63-Eu-153

MAT 6331

(n, γ) Cross Section
63-Eu-153
-91.75 To 9999. %



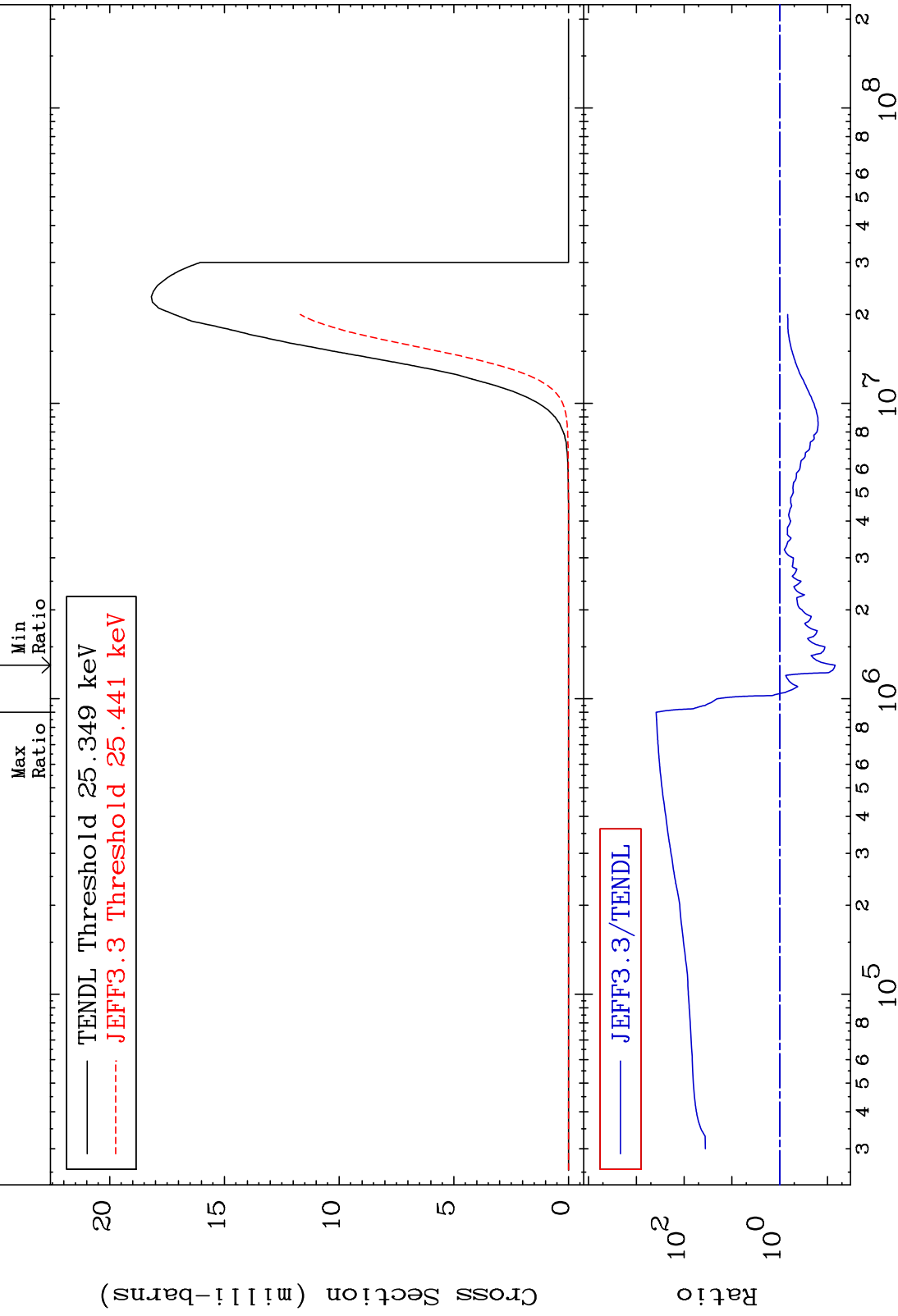
MAT 6331

(n,p)

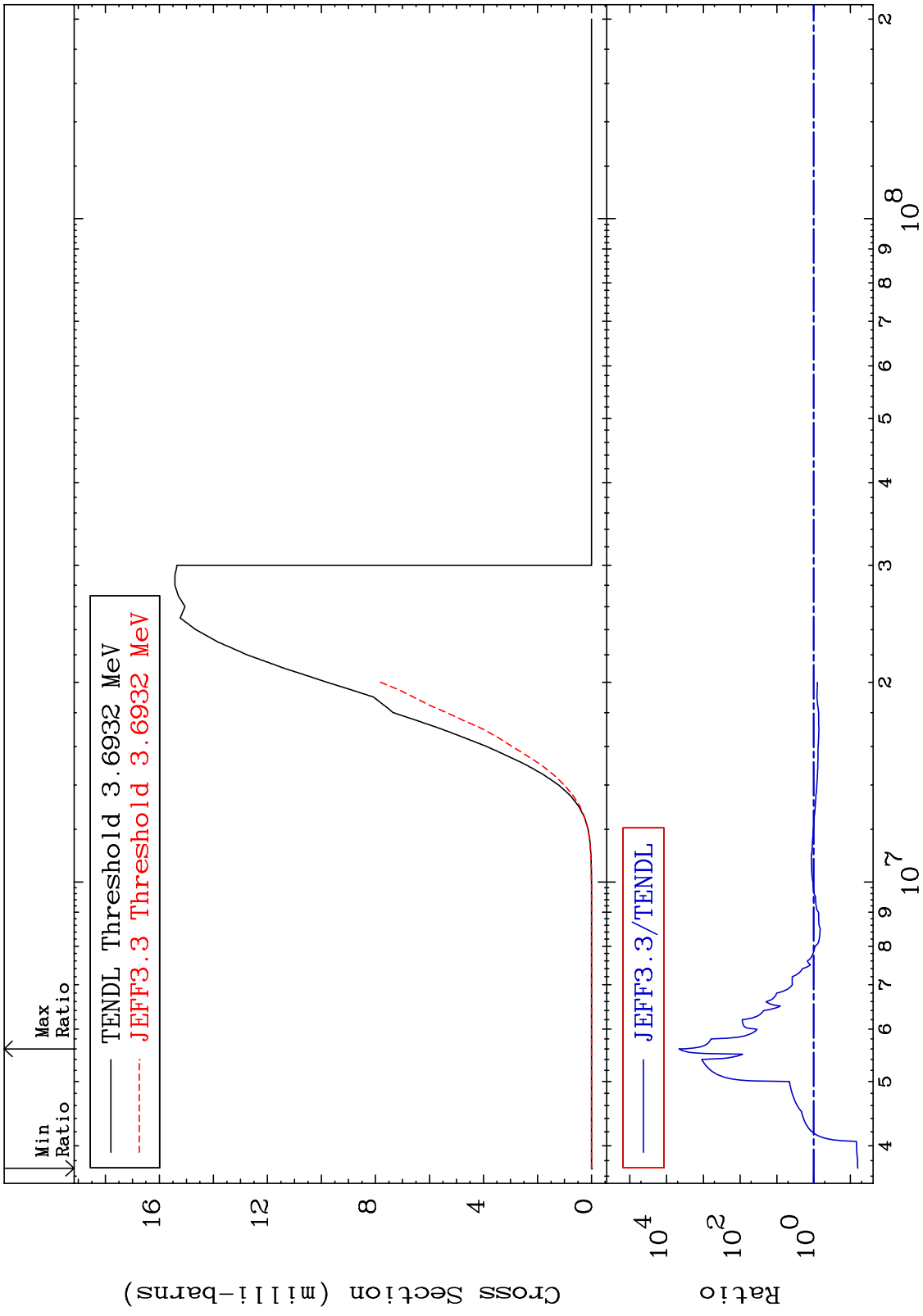
63-Eu-153

-93.09 To 9999. %

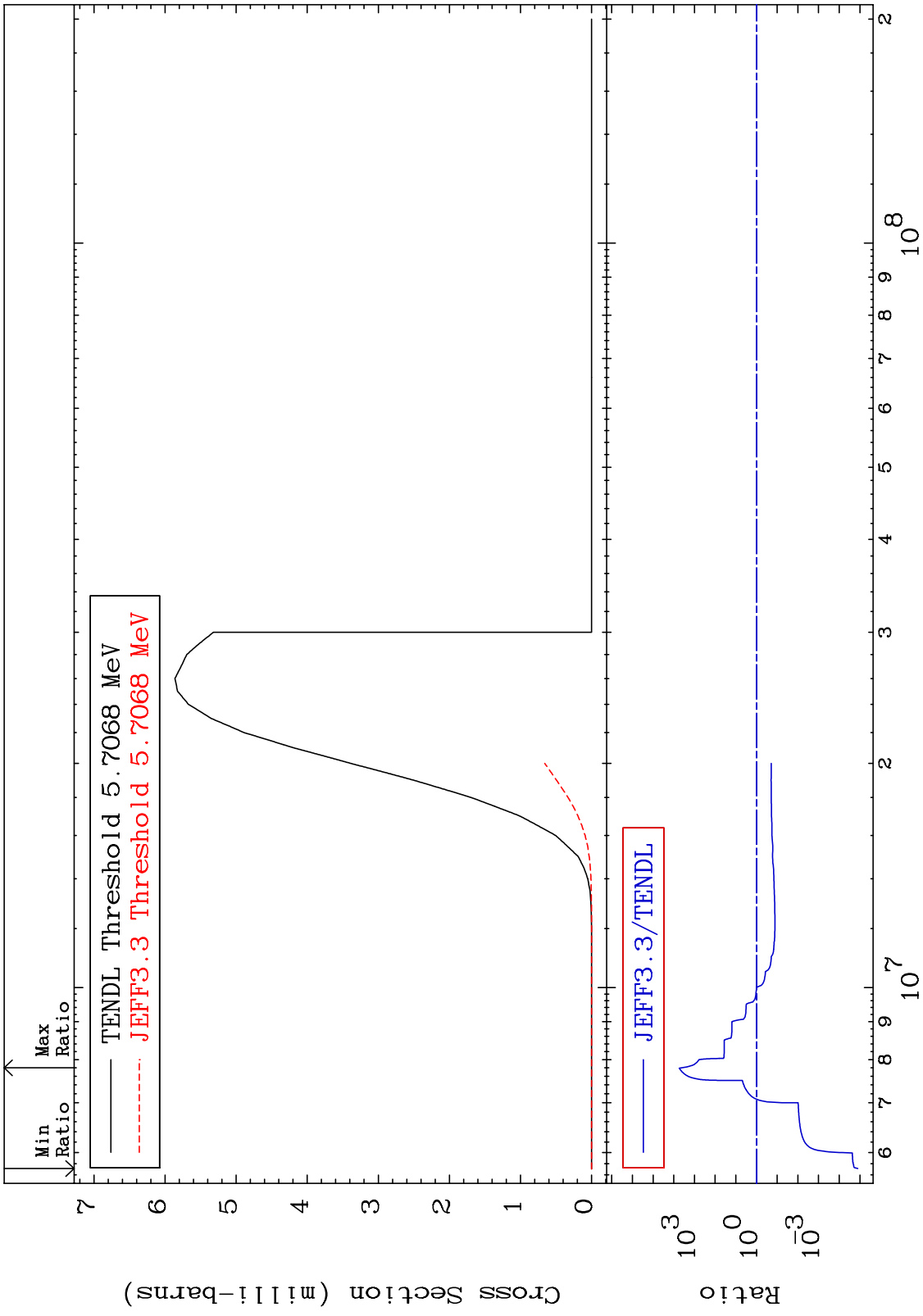
Cross Section



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



45 Incident Energy (eV) 63-Eu-153



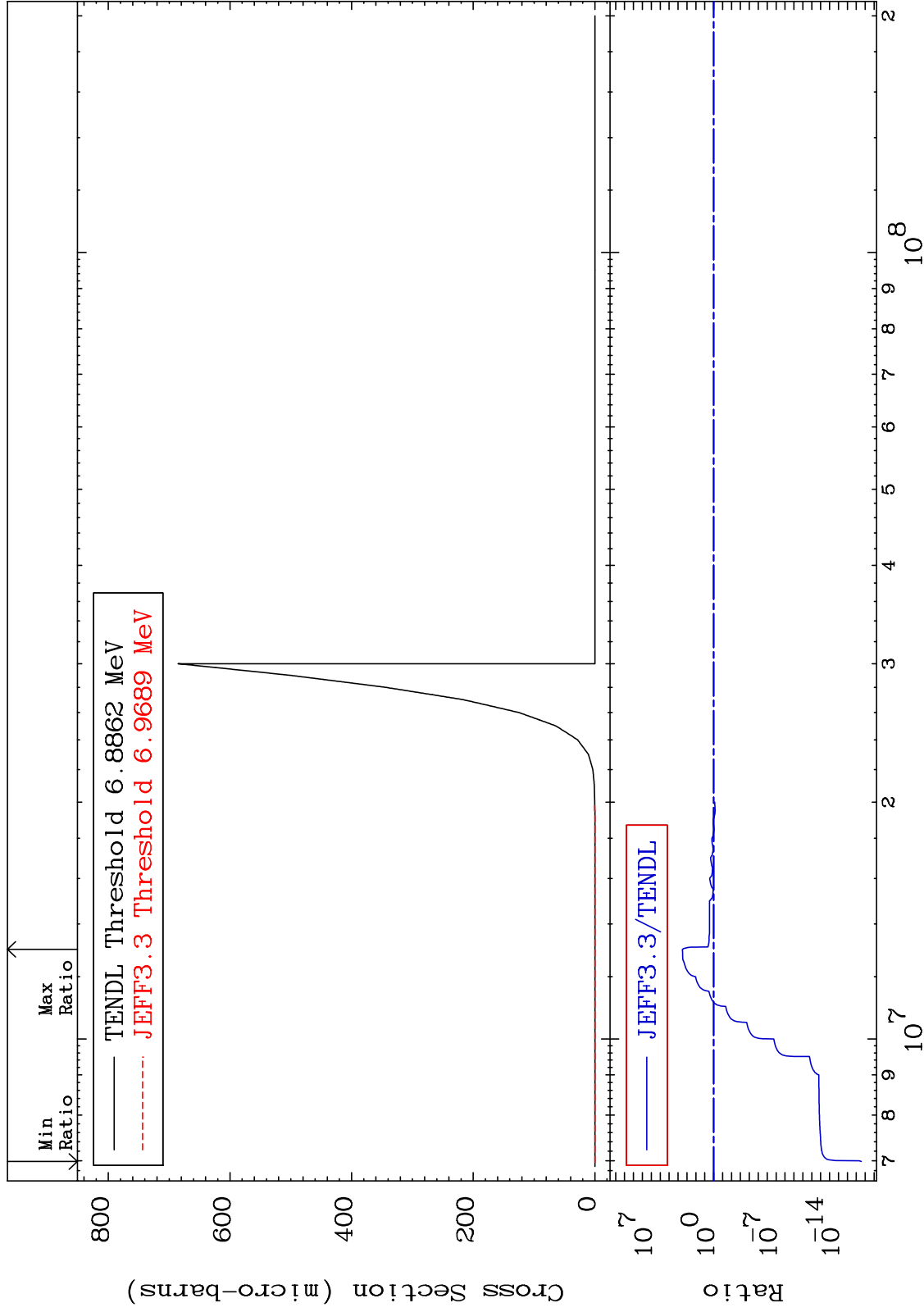
MAT 6331

(n, He-3)

63-Eu-153

-100.0 To 9999. %

Cross Section



47

Incident Energy (eV)

63-Eu-153

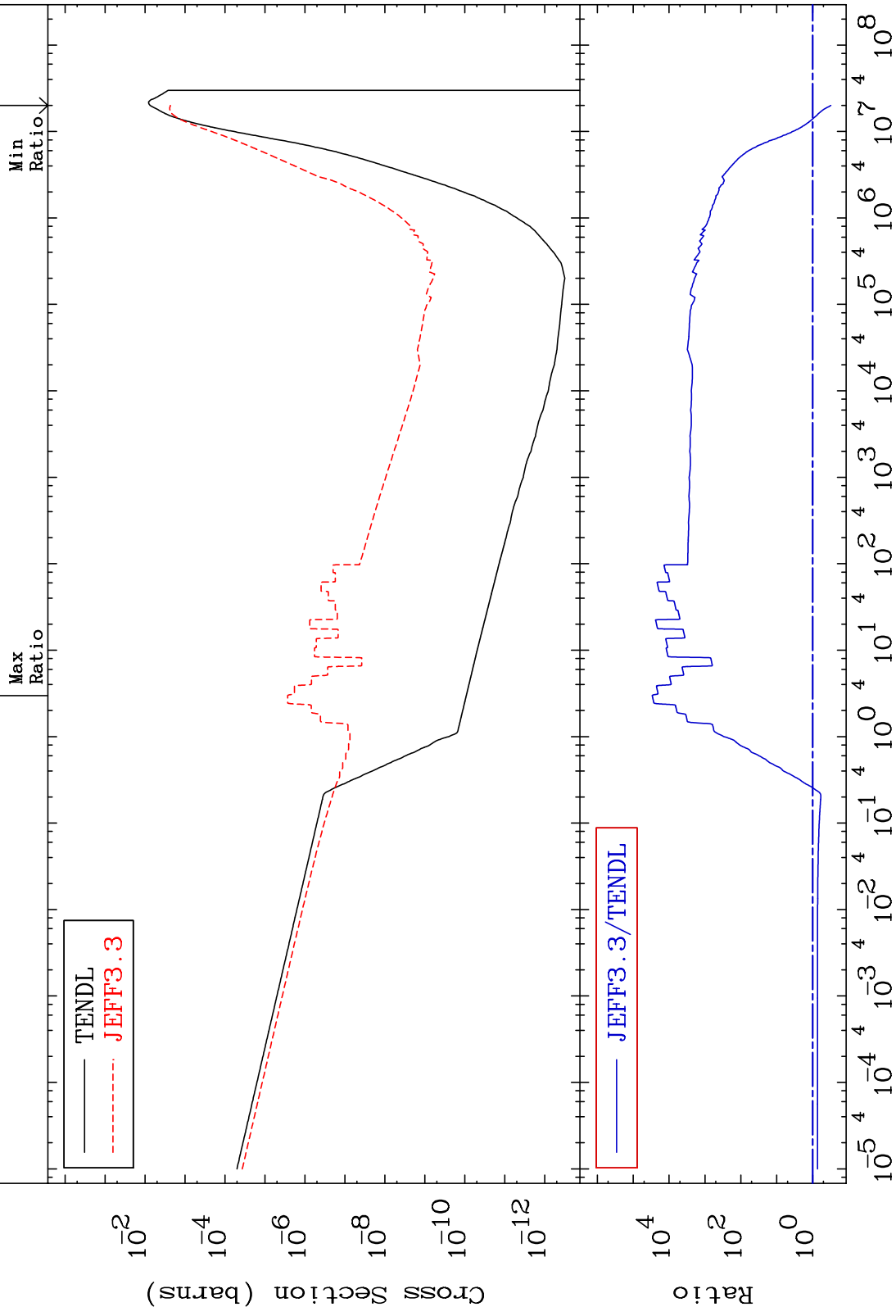
MAT 6331

(n, α)

63-Eu-153

-69.05 To 9999. %

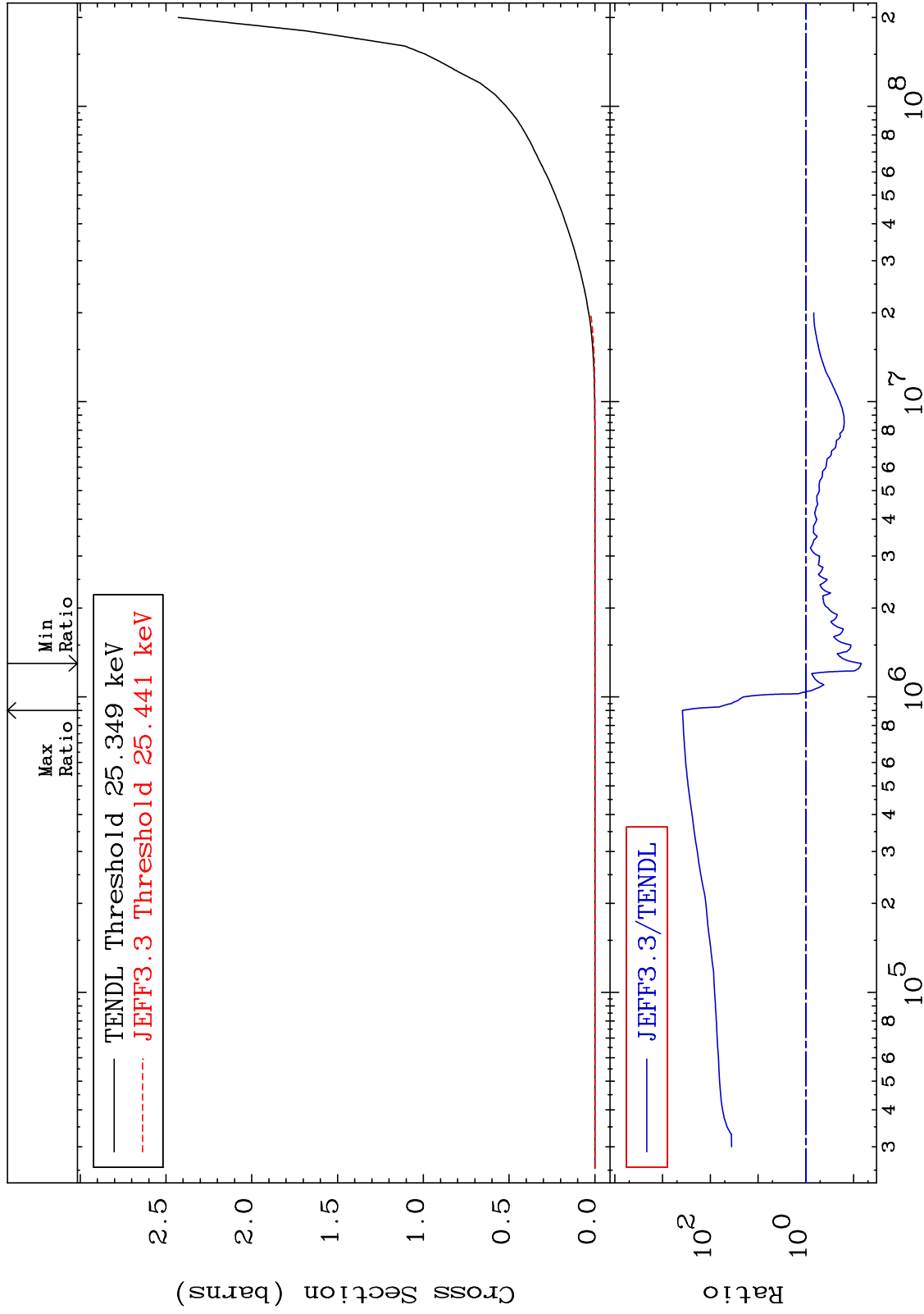
Cross Section



MAT 6331

Hydrogen Production
Cross Section

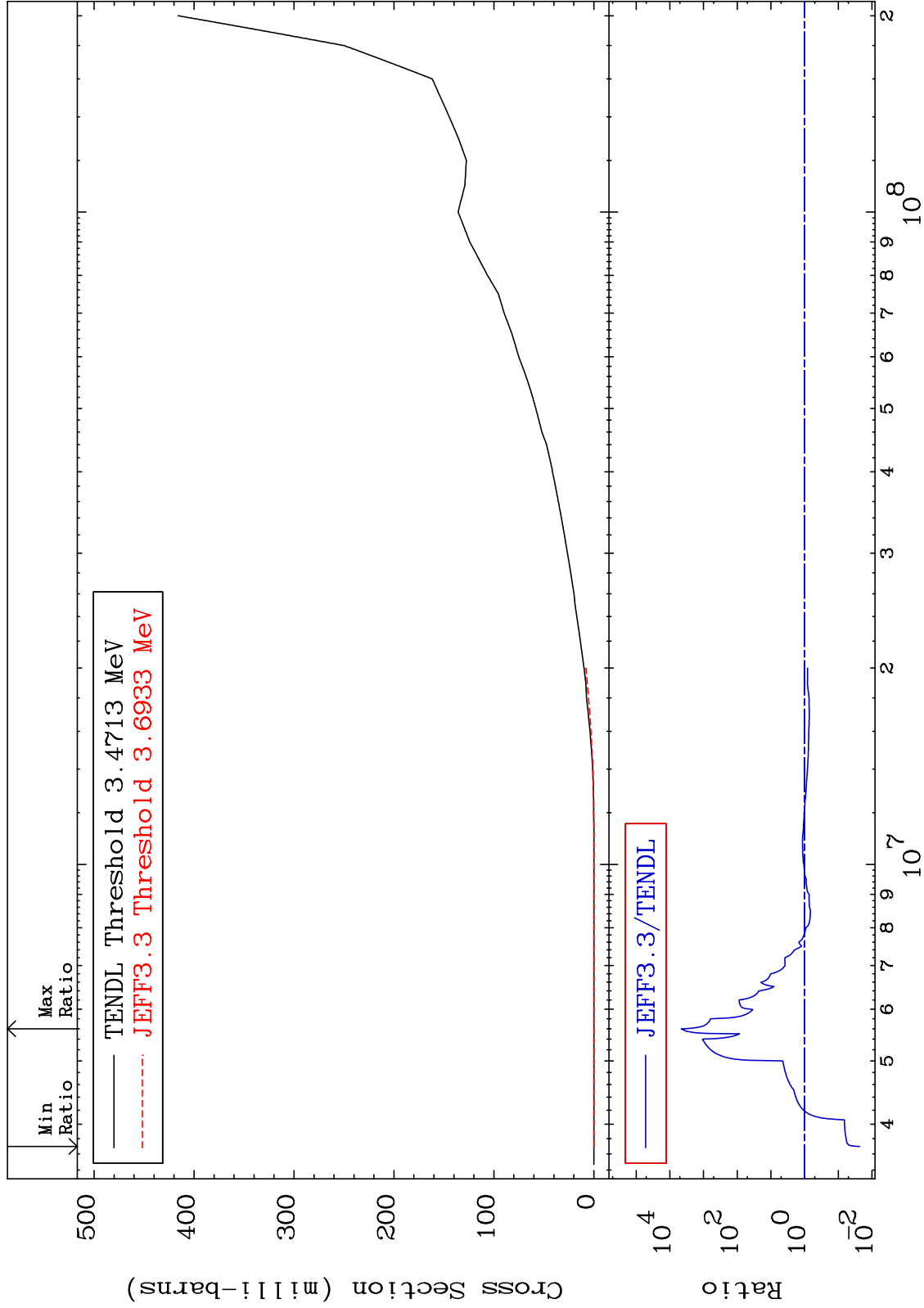
63-Eu-153
-93.09 To 9999. %



MAT 6331

Deuterium Production
Cross Section

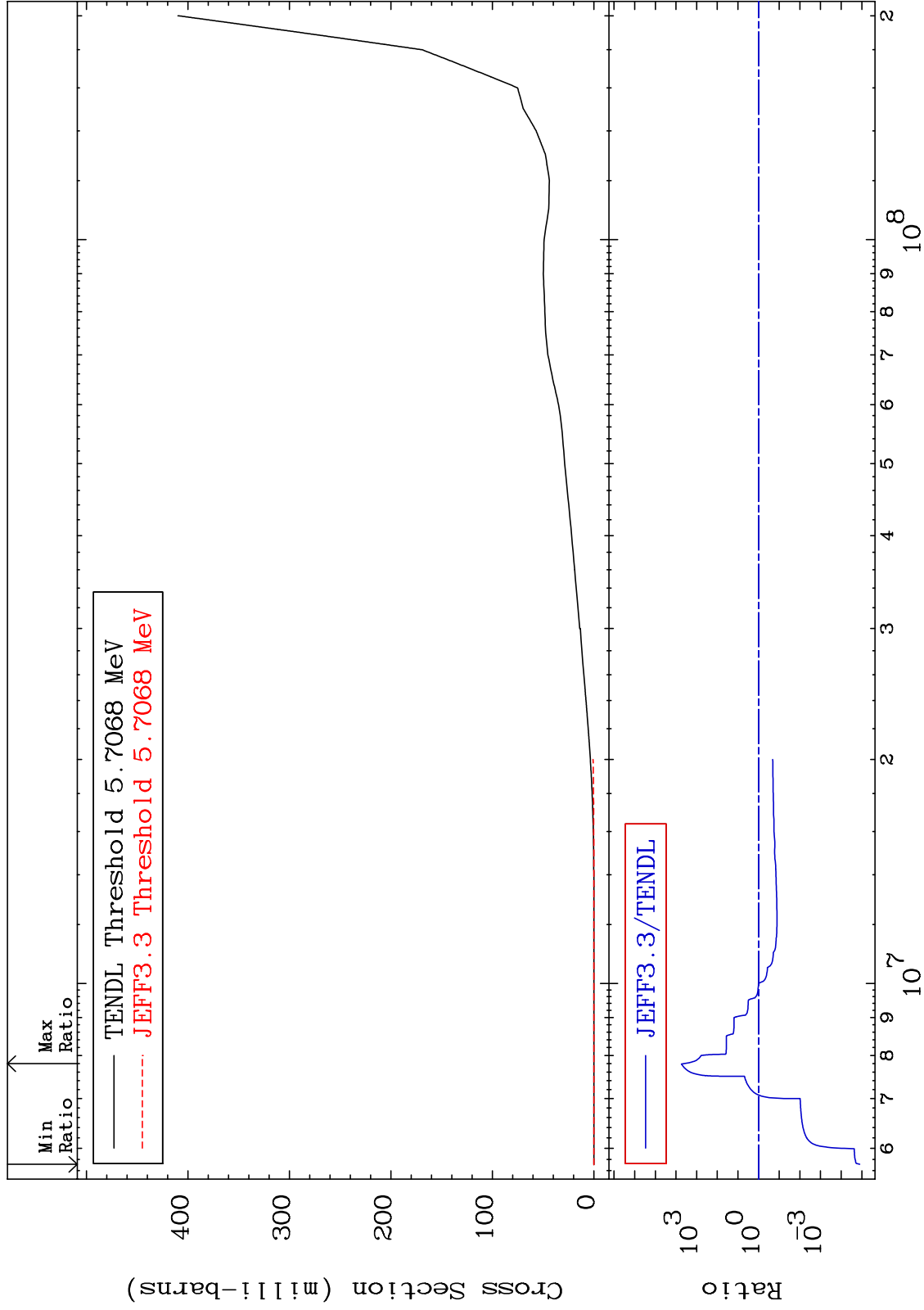
63-Eu-153
-97.70 To 9999. %



MAT 6331

Tritium Production
Cross Section

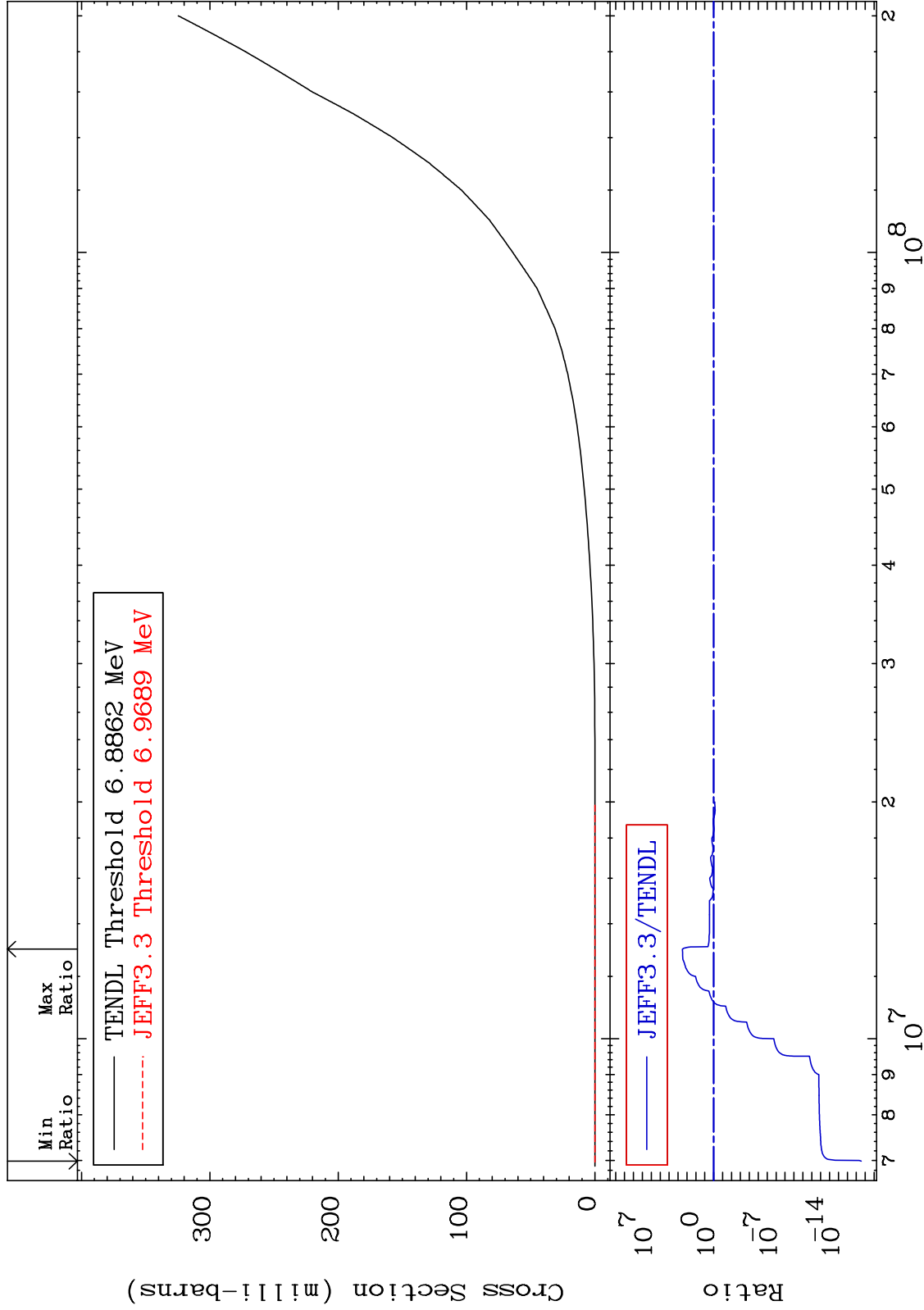
63-Eu-153
-100.0 To 9999. %



MAT 6331

He-3 Production
Cross Section

63-Eu-153
-100.0 To 9999. %



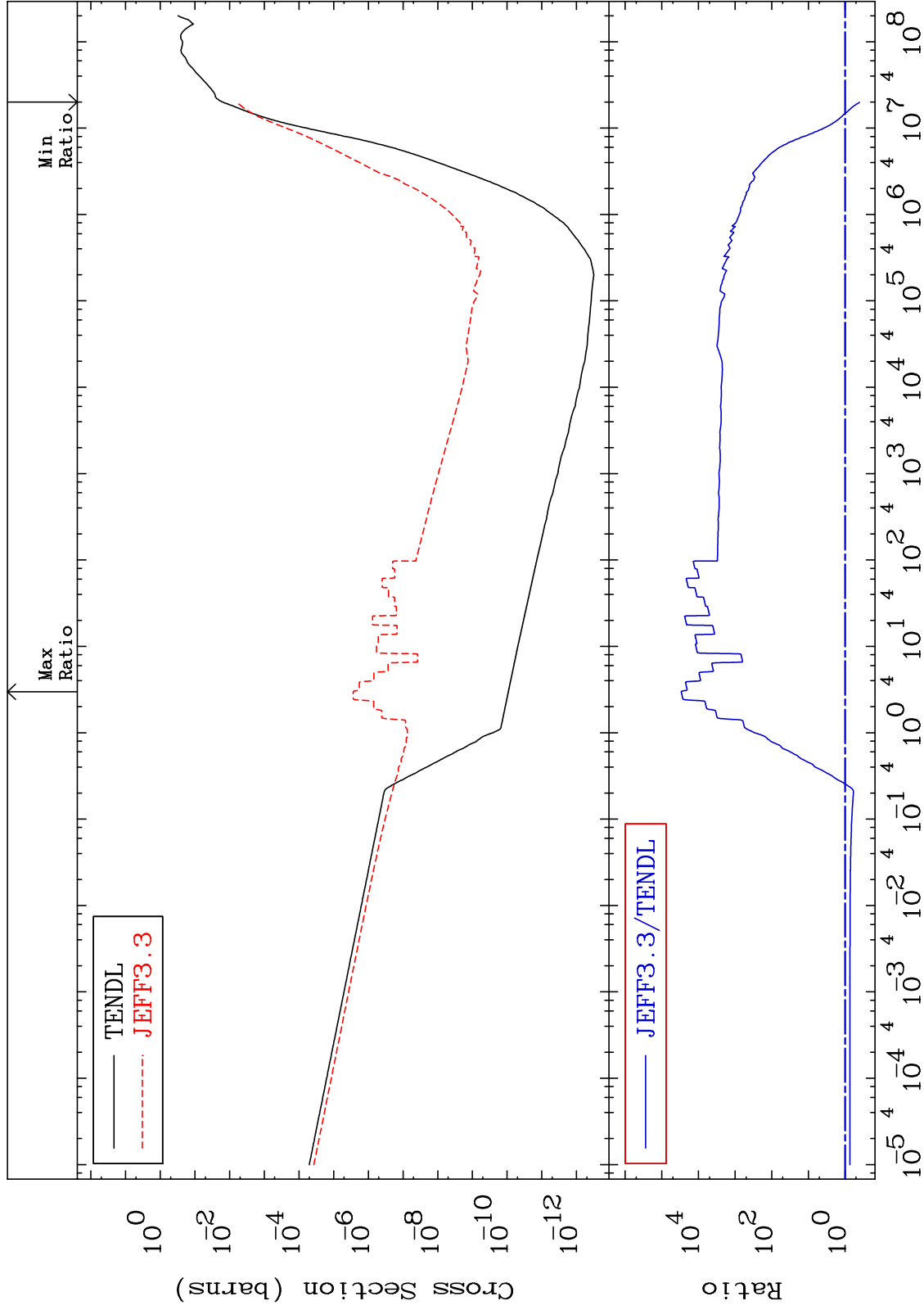
52

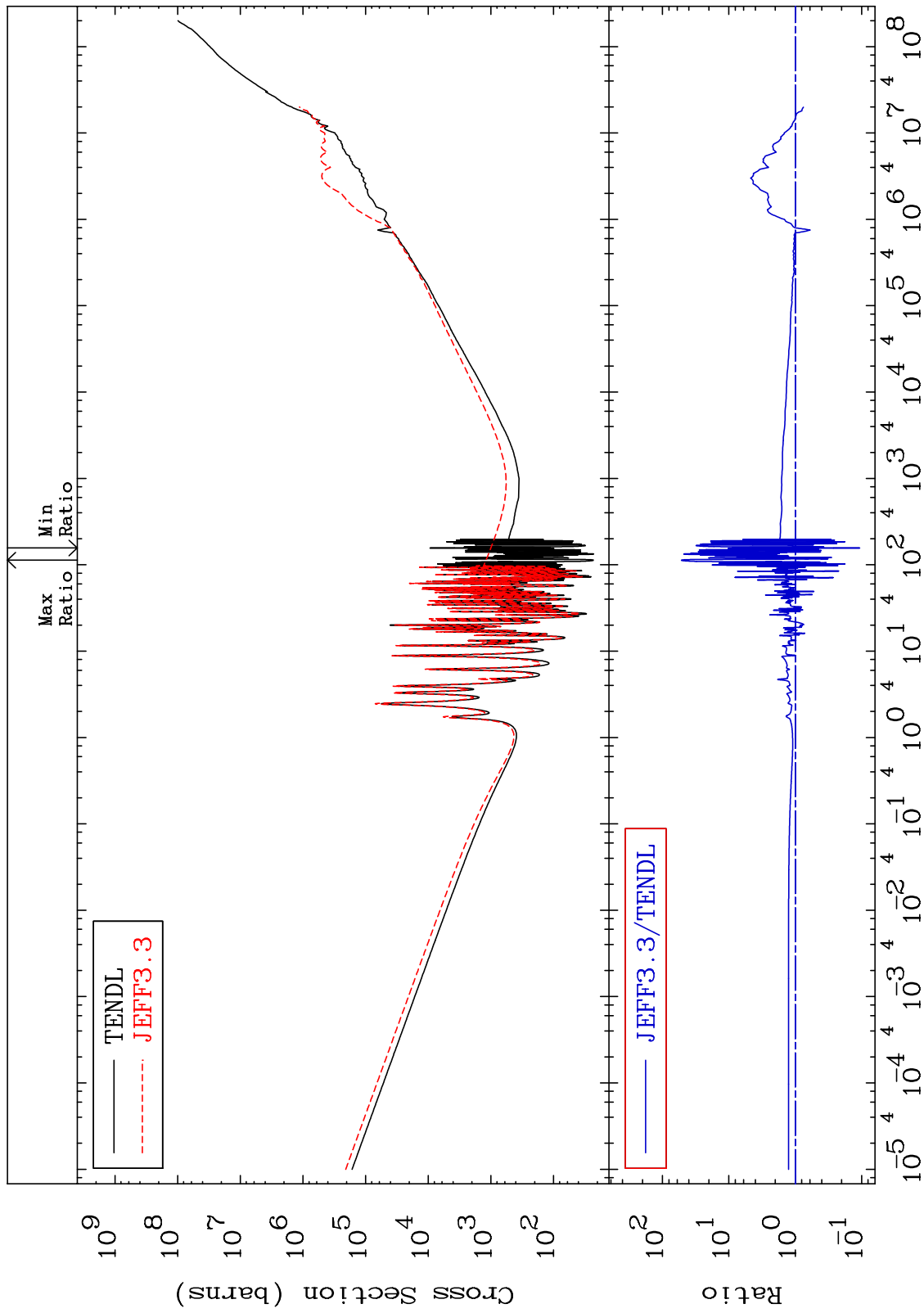
63-Eu-153

MAT 6331

He-4 Production
Cross Section

63-Eu-153
-60.37 To 9999. %

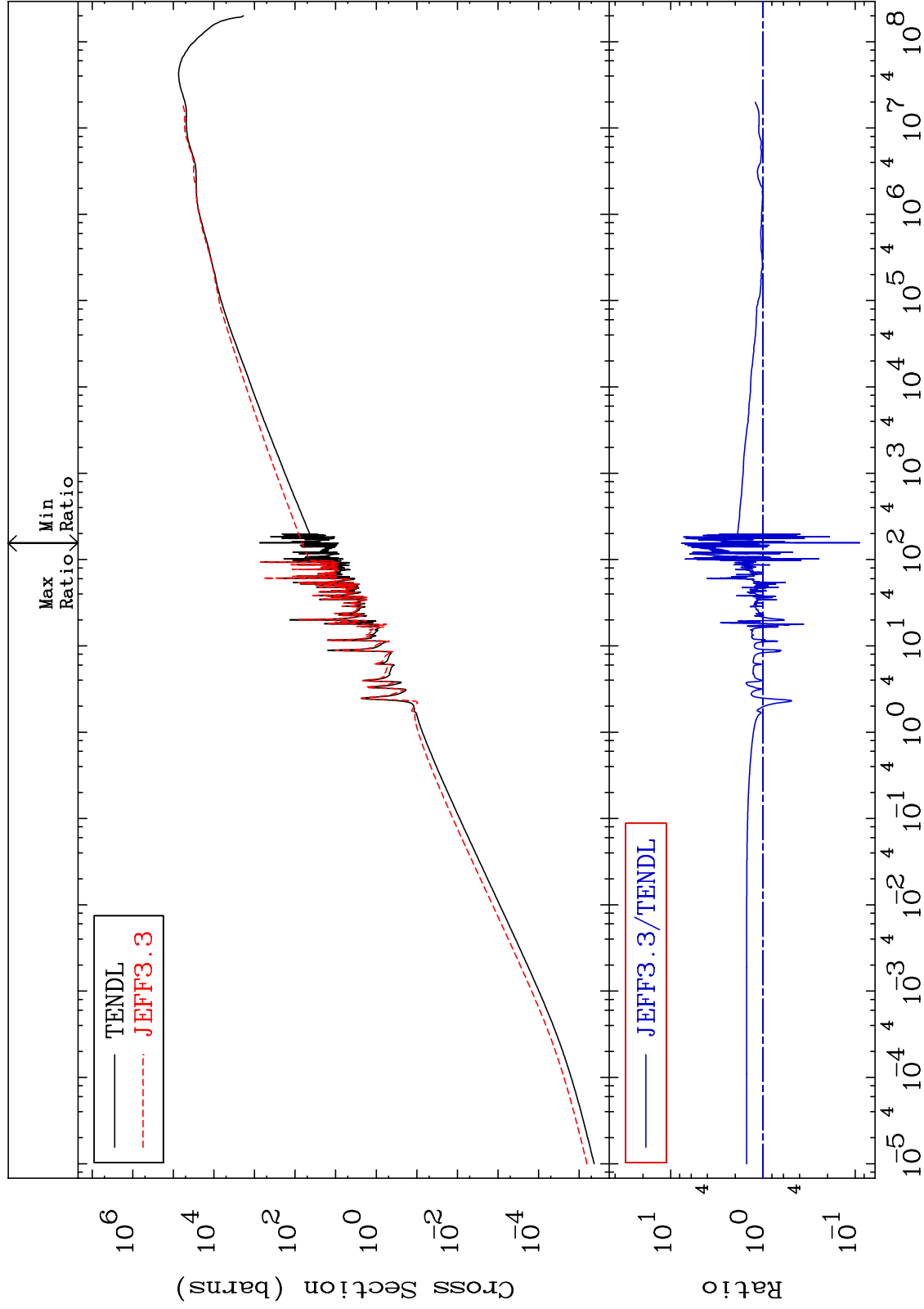




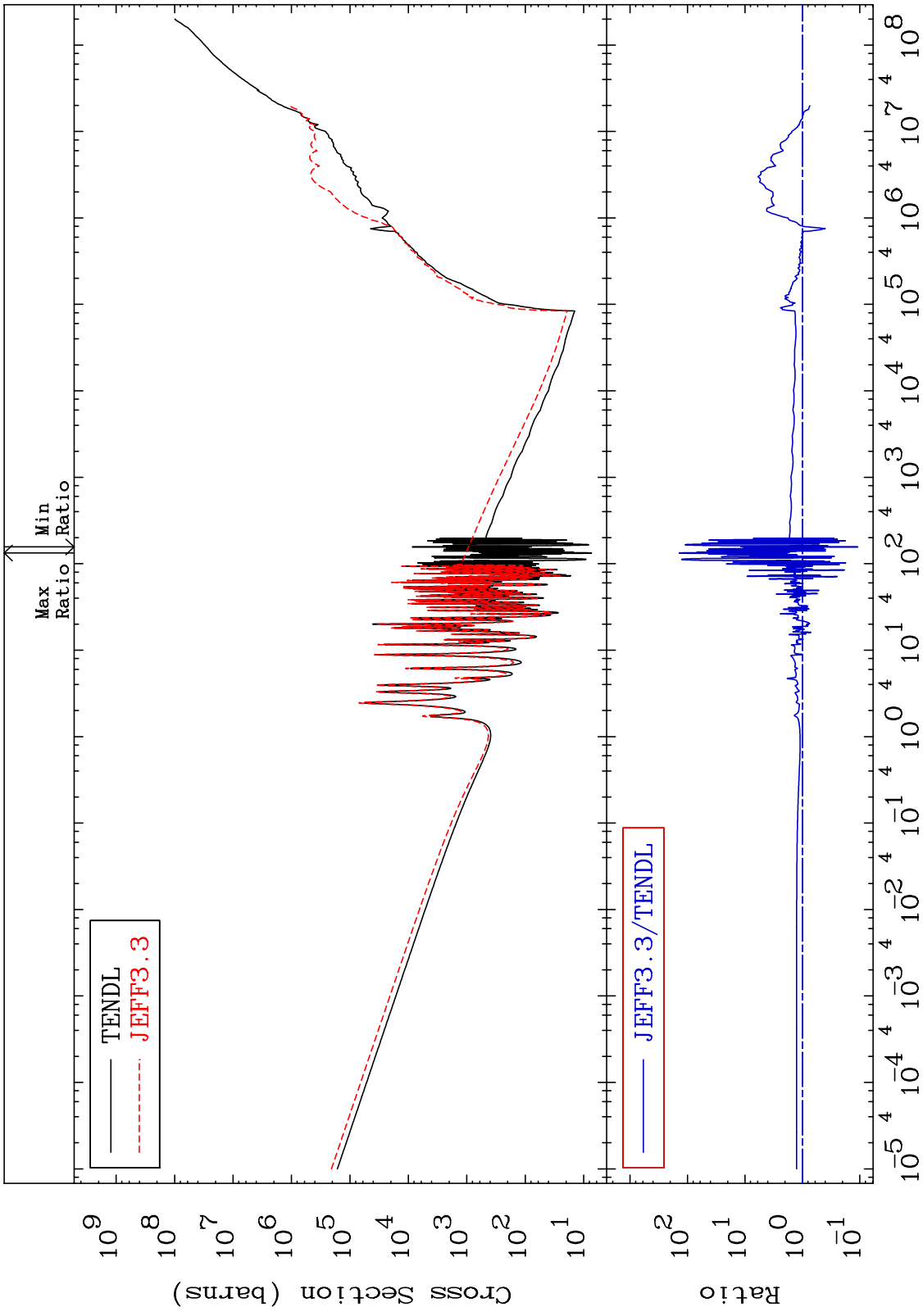
MAT 6331

Kerma elastic
Cross Section

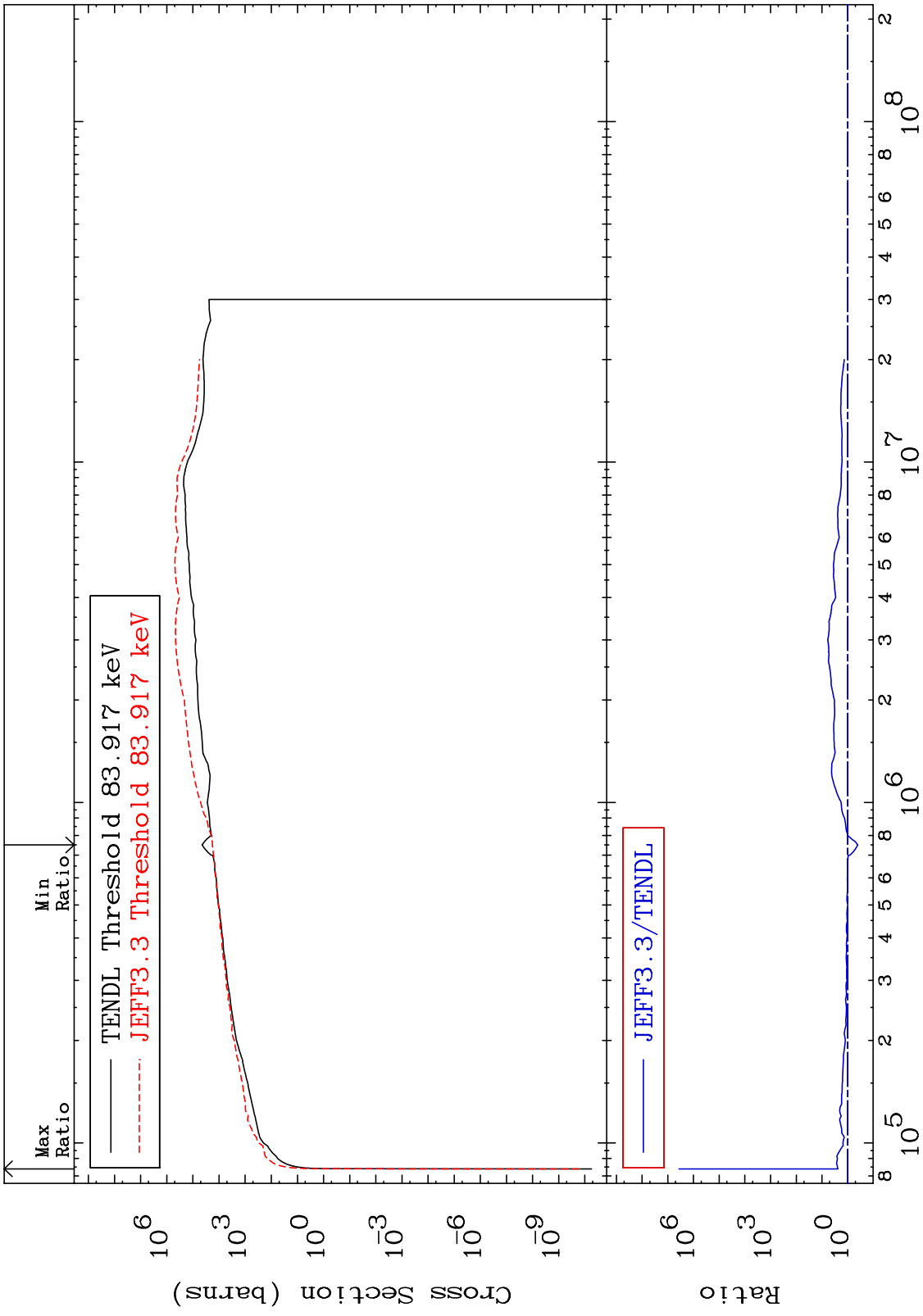
63-Eu-153
-91.08 To 665.0 %



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



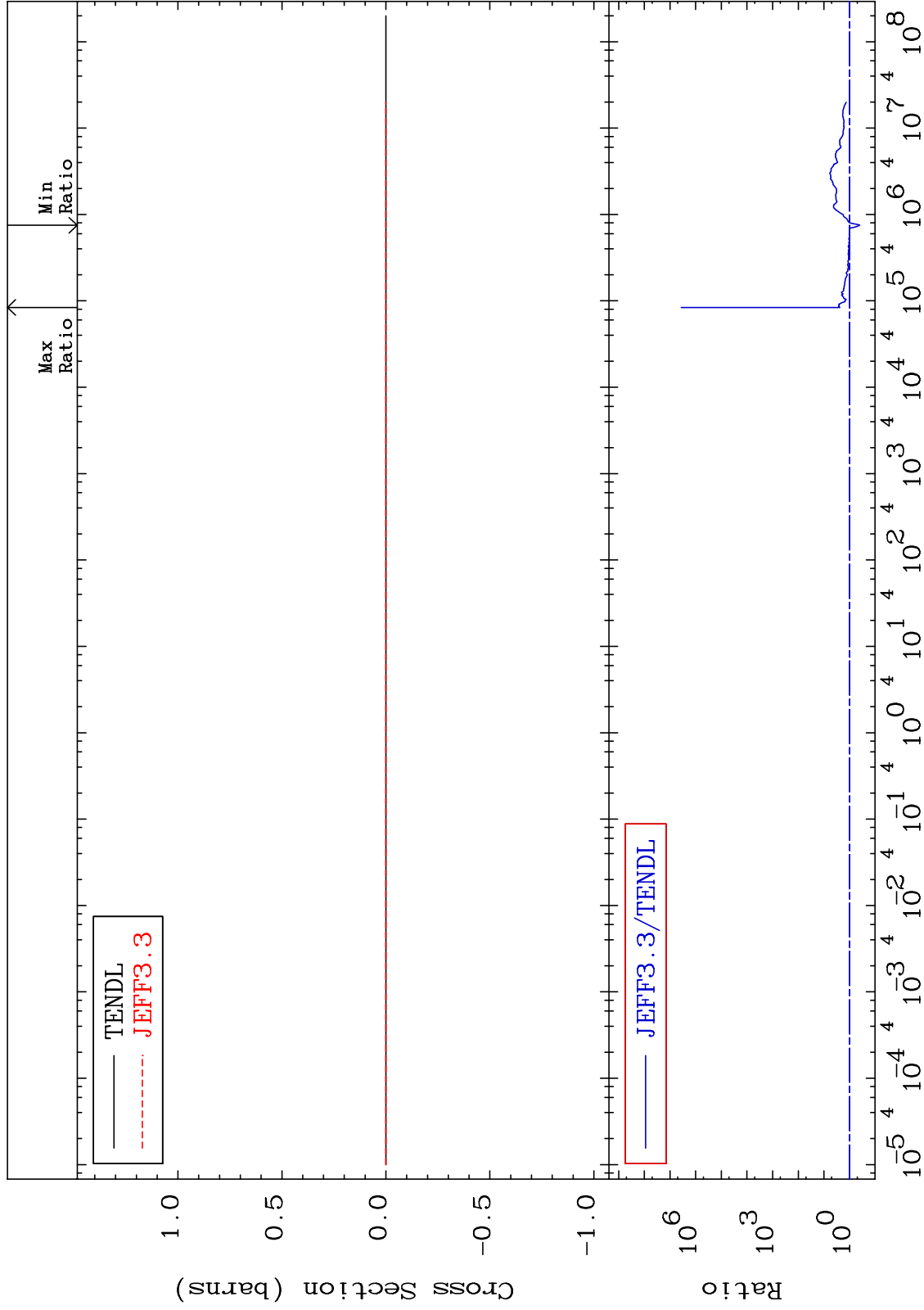
MAT 6331 Kerma inelastic (mt51-91) 63-Eu-153
 Cross Section -59.89 To 9999. %



MAT 6331

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

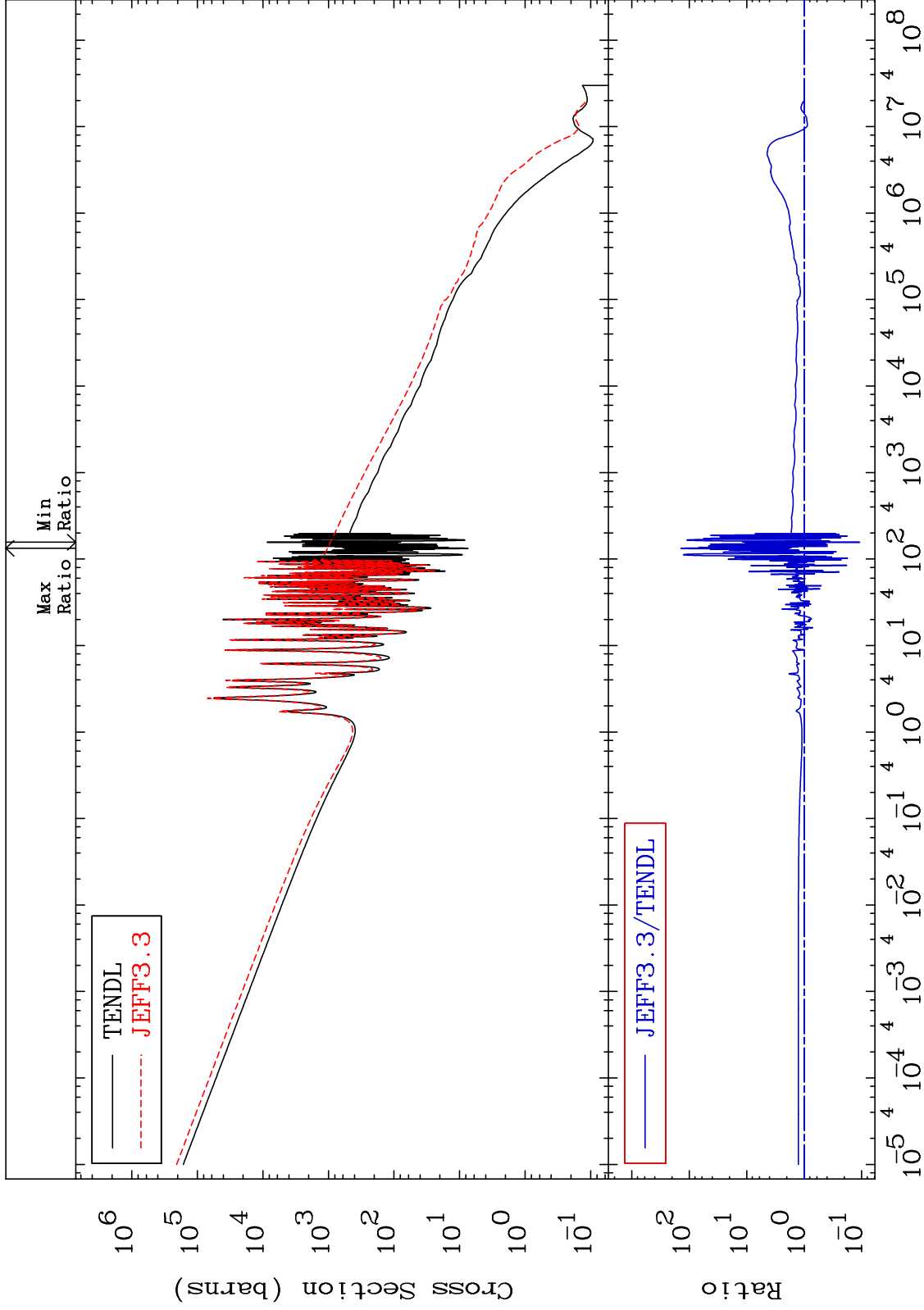
63-Eu-153
-59.89 To 9999. %



MAT 6331

Kerma capture (mt102)
Cross Section

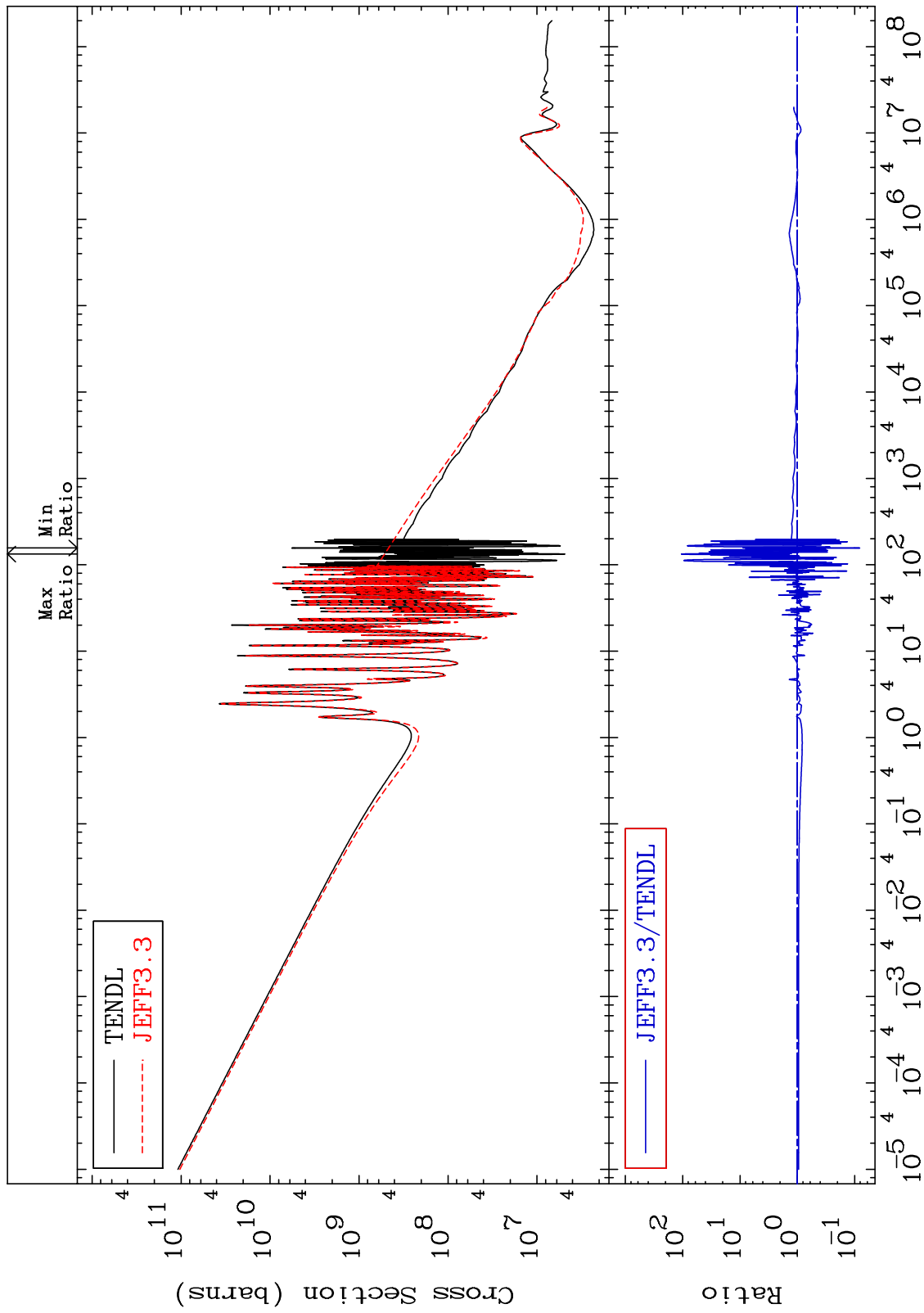
63-Eu-153
-89.17 To 9999. %



MAT 6331

Total photon (eV-barns)
Cross Section

63-Eu-153
-91.84 To 9999. %

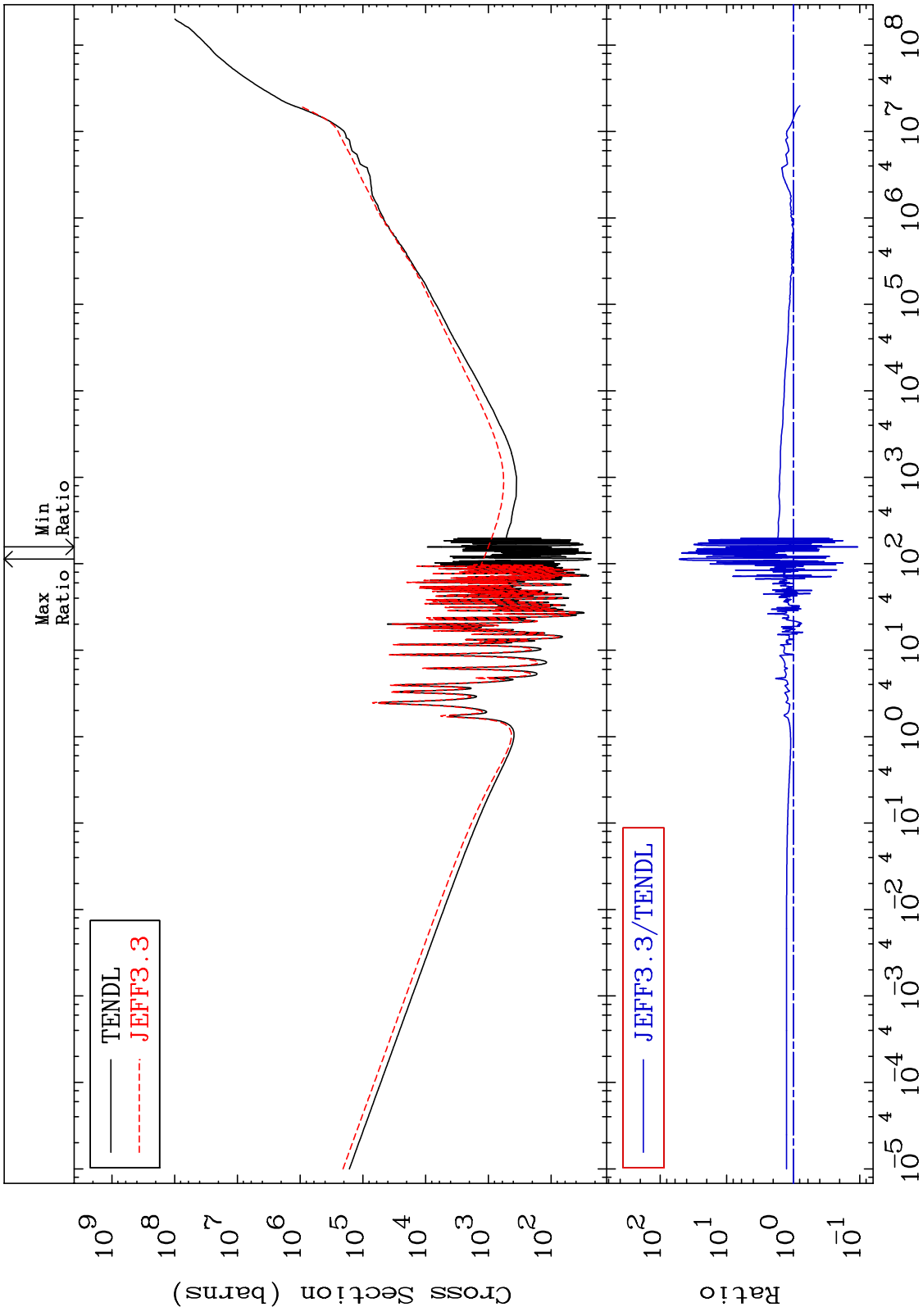


60

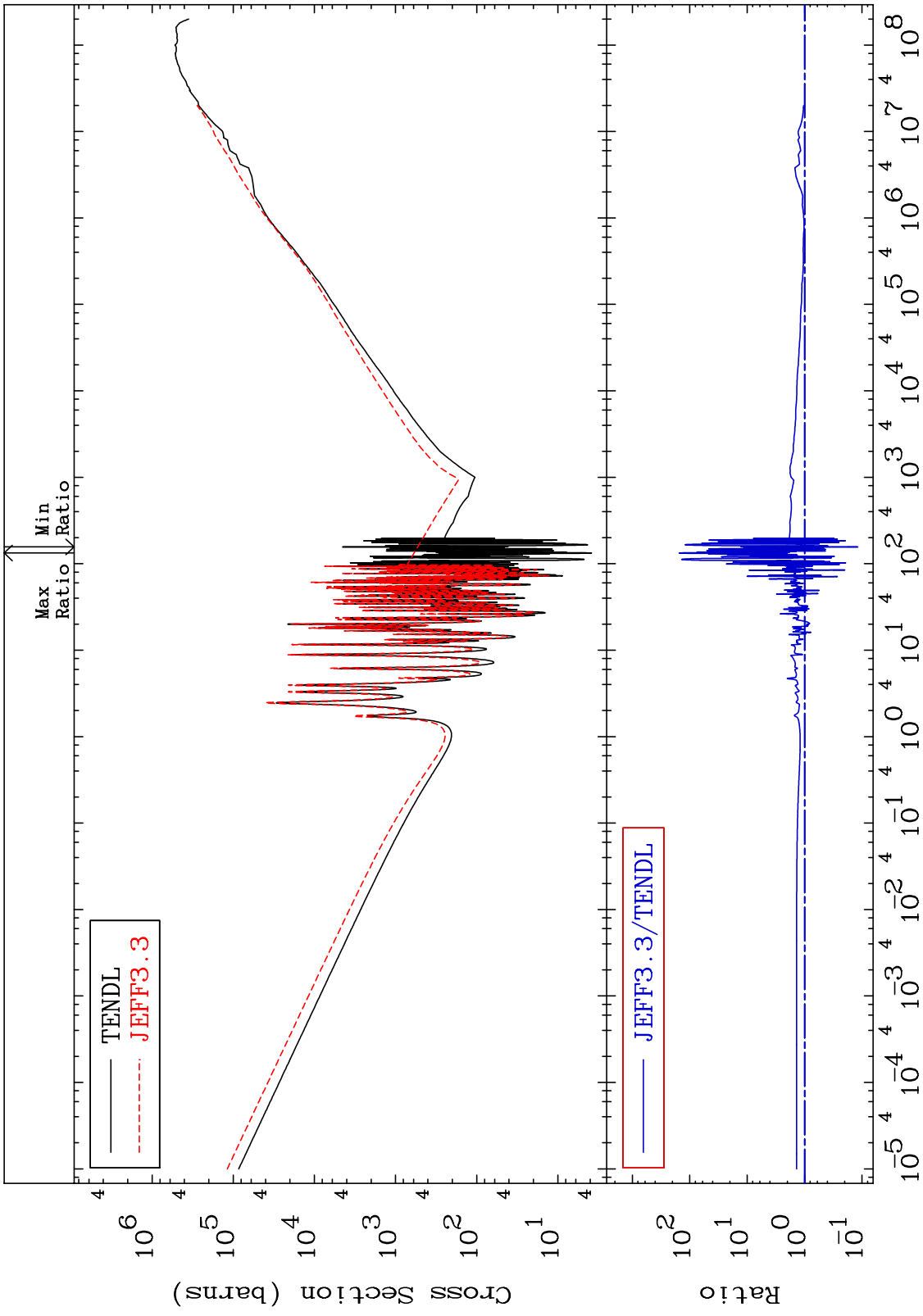
Incident Energy (eV)

63-Eu-153

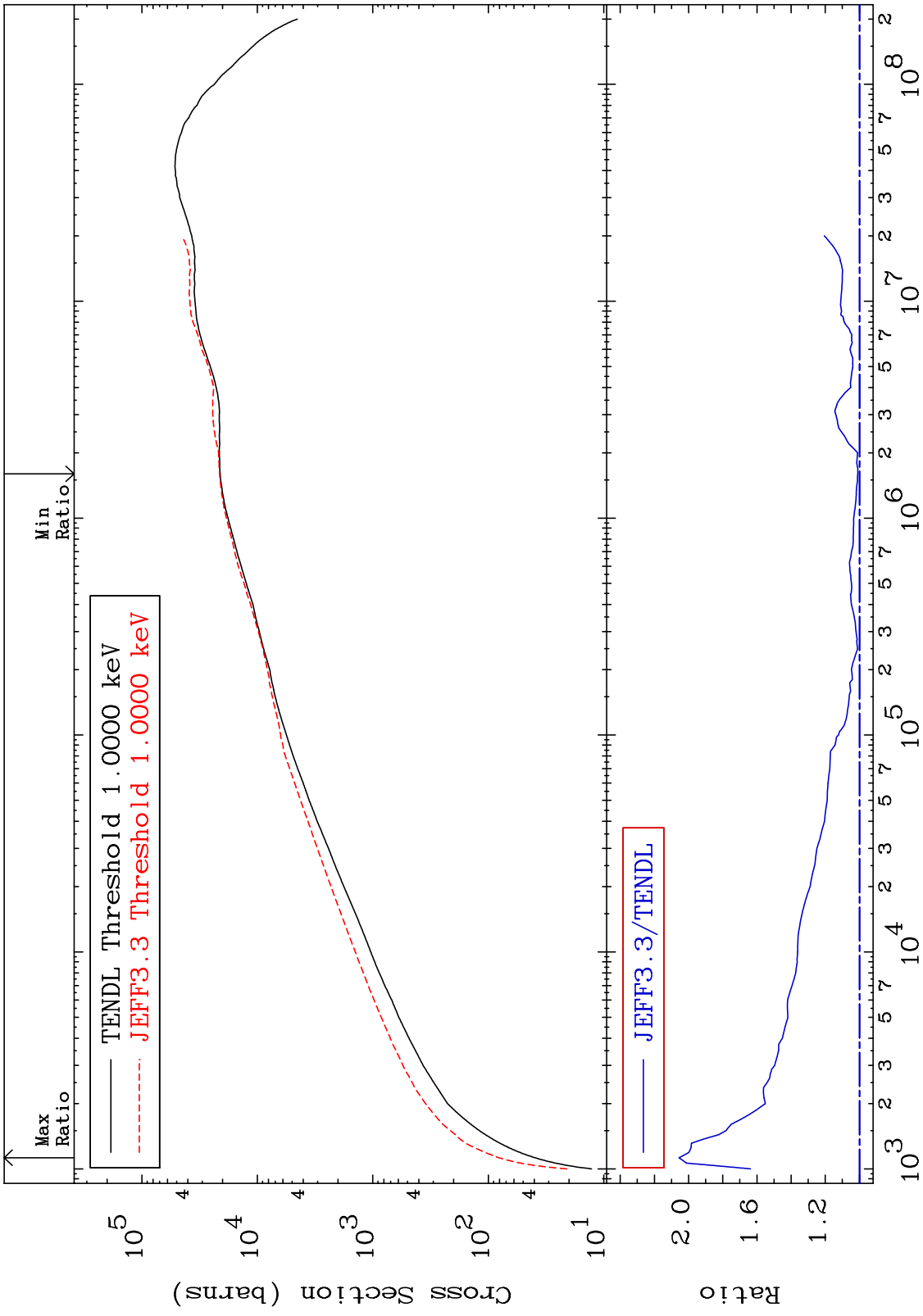
MAT 6331 Total kinematic kerma (high limit) 63-Eu-153
 Cross Section -89.33 To 5114. %



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

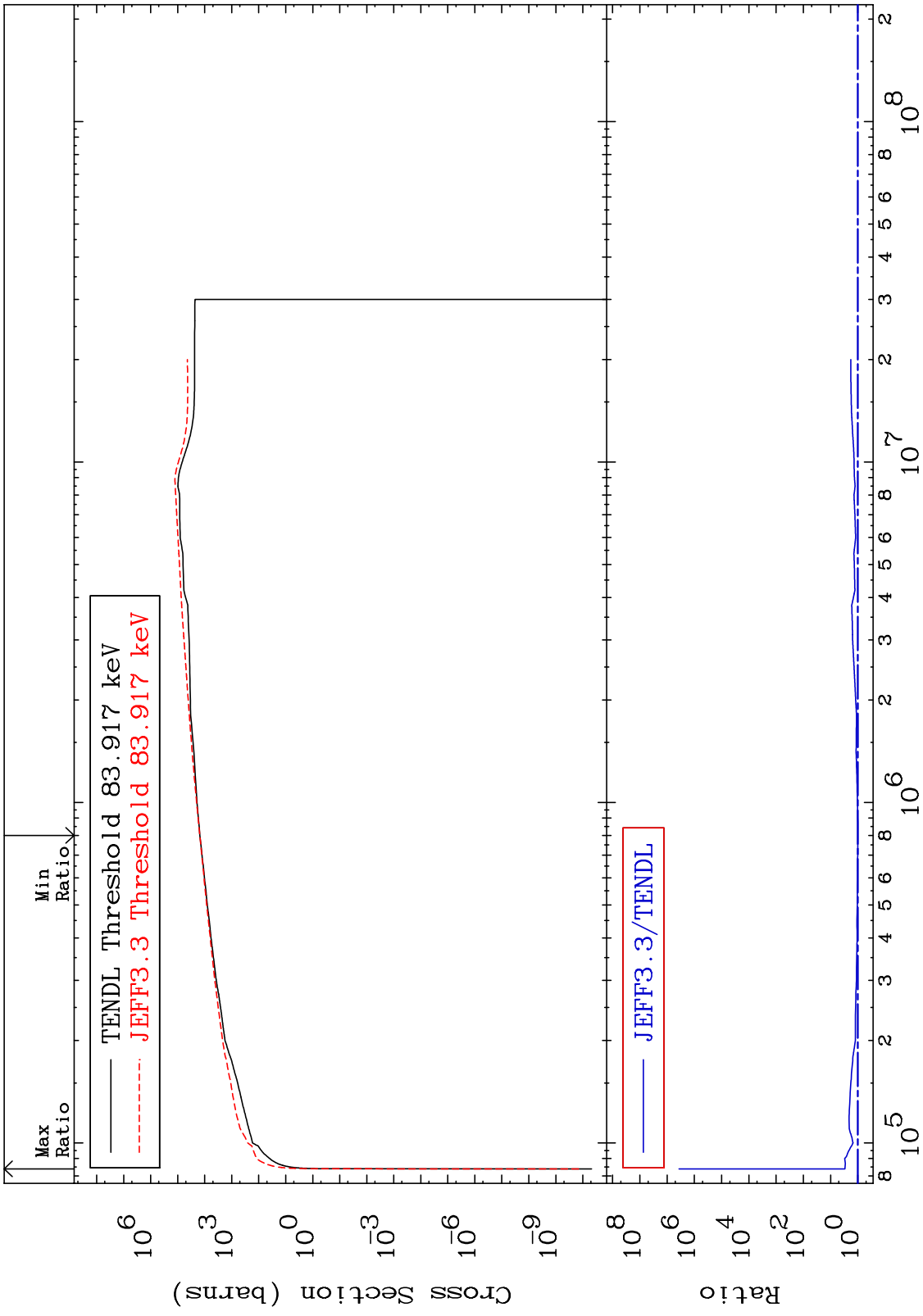


MAT 6331 63-Eu-153 0.948 To 105.6 %
Dpa elastic (mt2)
Cross Section



63 63-Eu-153

MAT 6331 Dpa inelastic (mt51-91) 63-Eu-153
 Cross Section 0.388 To 9999. %



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

