

Program Complot  
(Version 2018-1)

by

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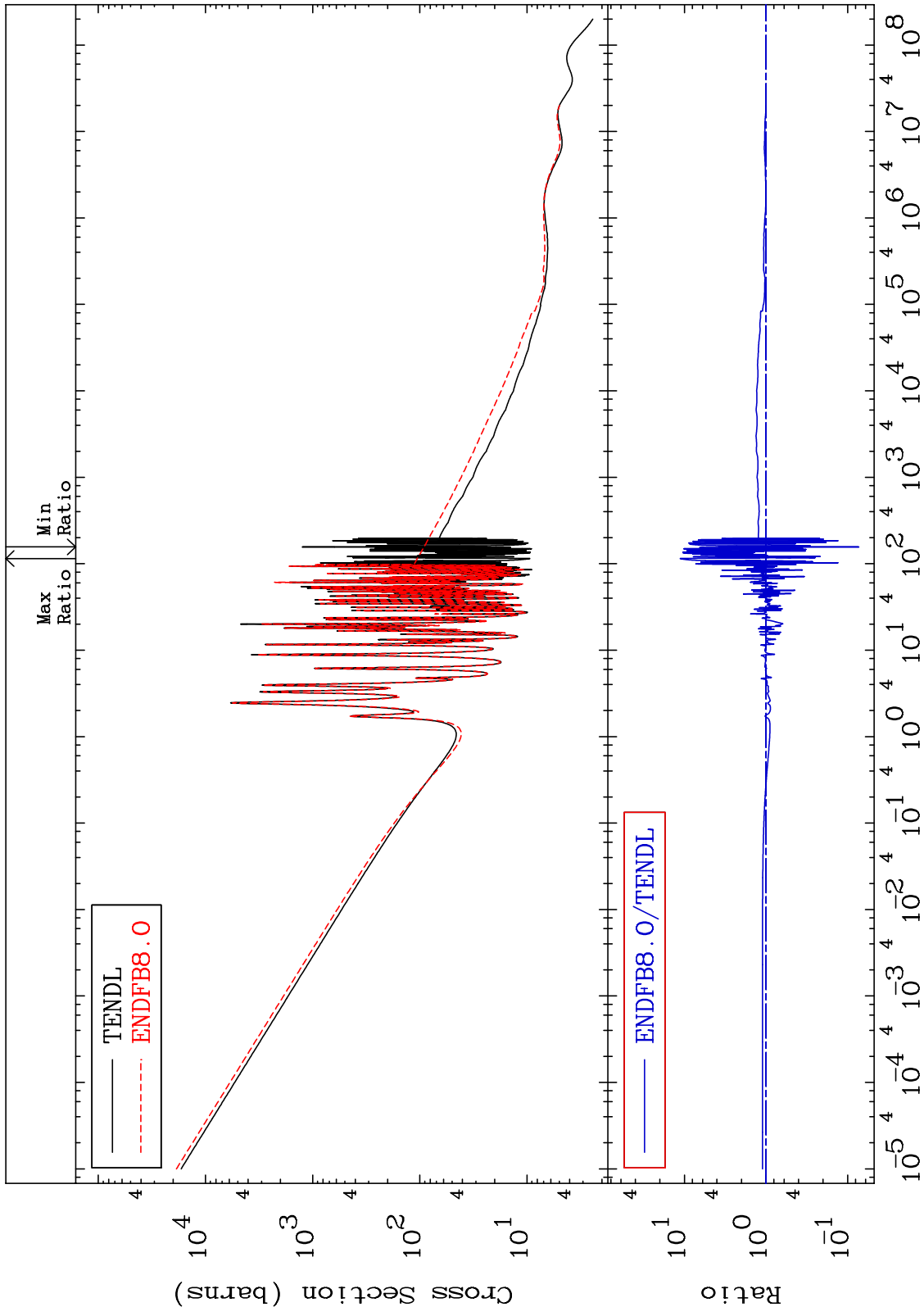
Press Mouse Button to Start

MAT 6331

Total  
Cross Section

63-Eu-153

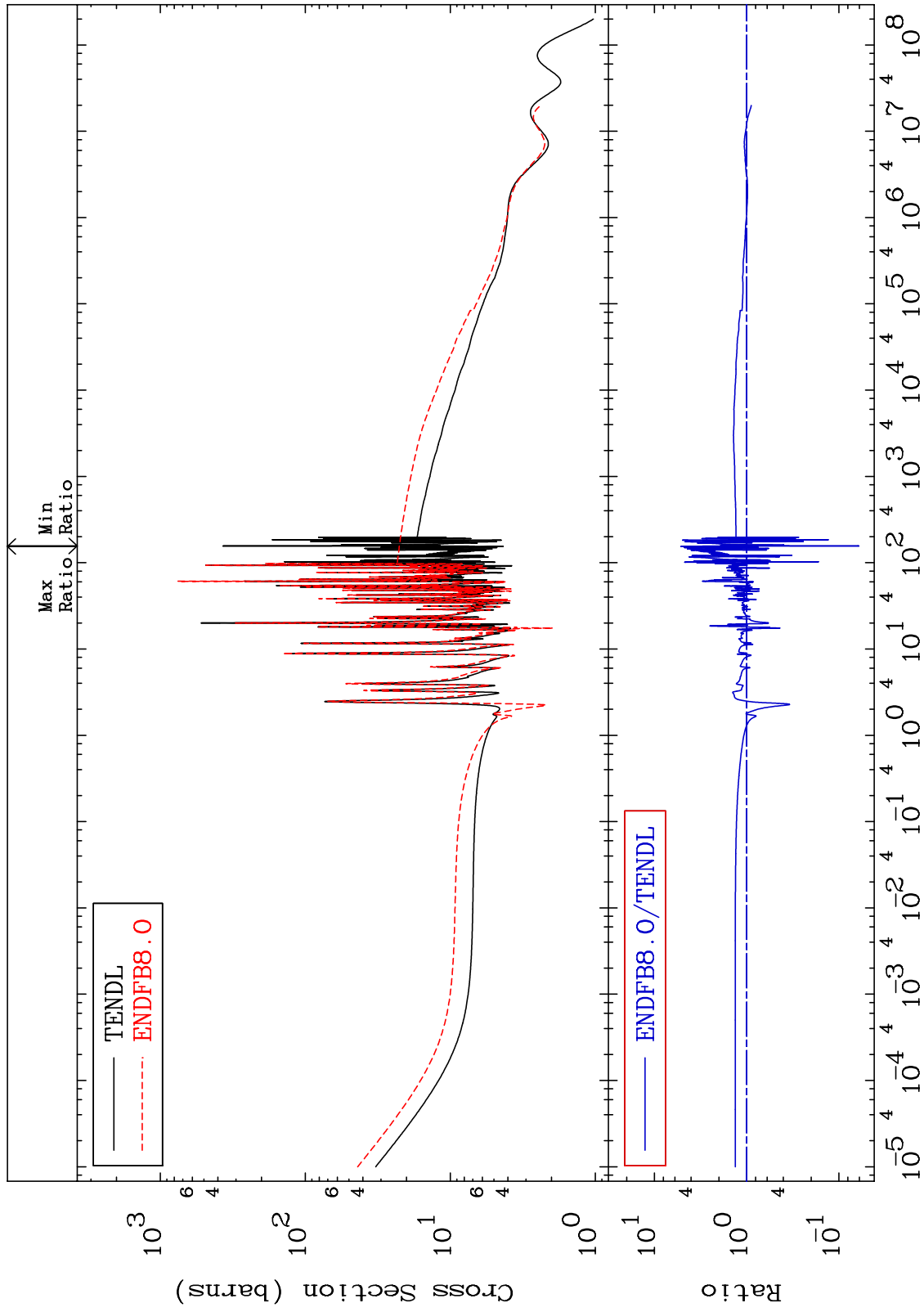
-92.73 To 1028. %



1

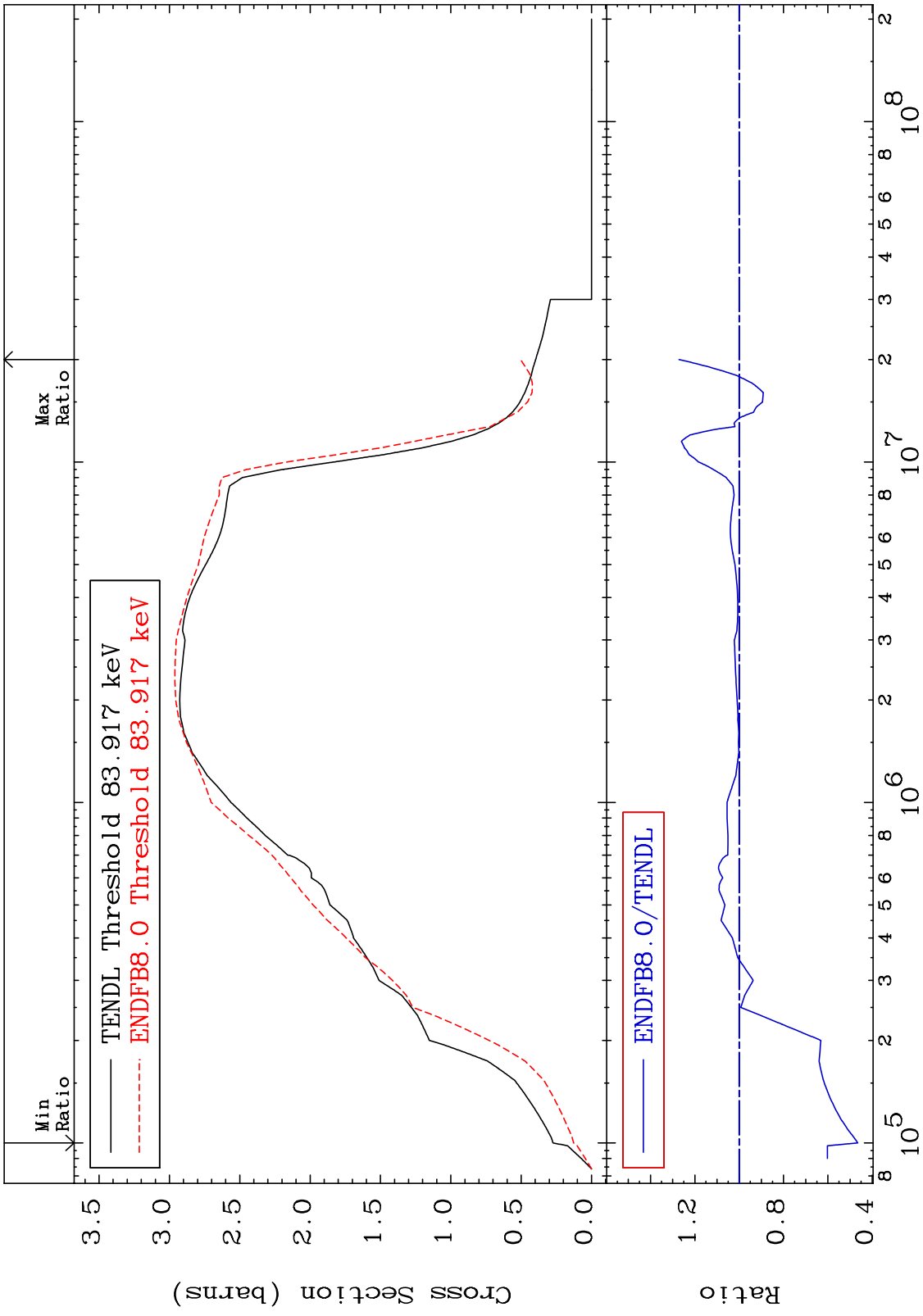
63-Eu-153

MAT 6331 Elastic Cross Section 63-Eu-153 -93.94 To 419.3 %



2 63-Eu-153 Incident Energy (eV)

MAT 6331 63-Eu-153  
Inelastic Cross Section -53.50 To 27.13 %



63-Eu-153

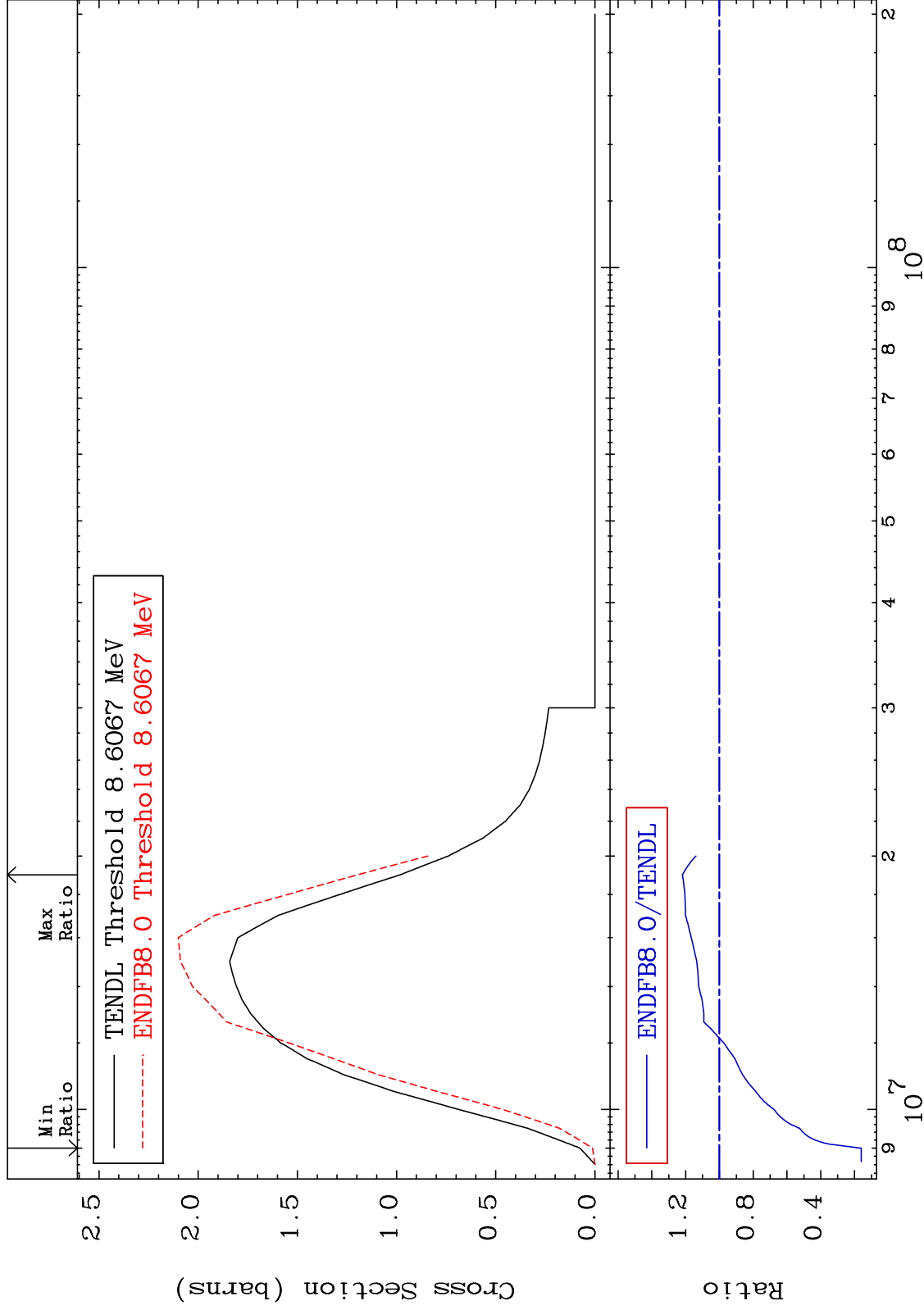
MAT 6331

(n,2n)

63-Eu-153

-83.98 To 21.89 %

Cross Section



4

Incident Energy (eV)

63-Eu-153

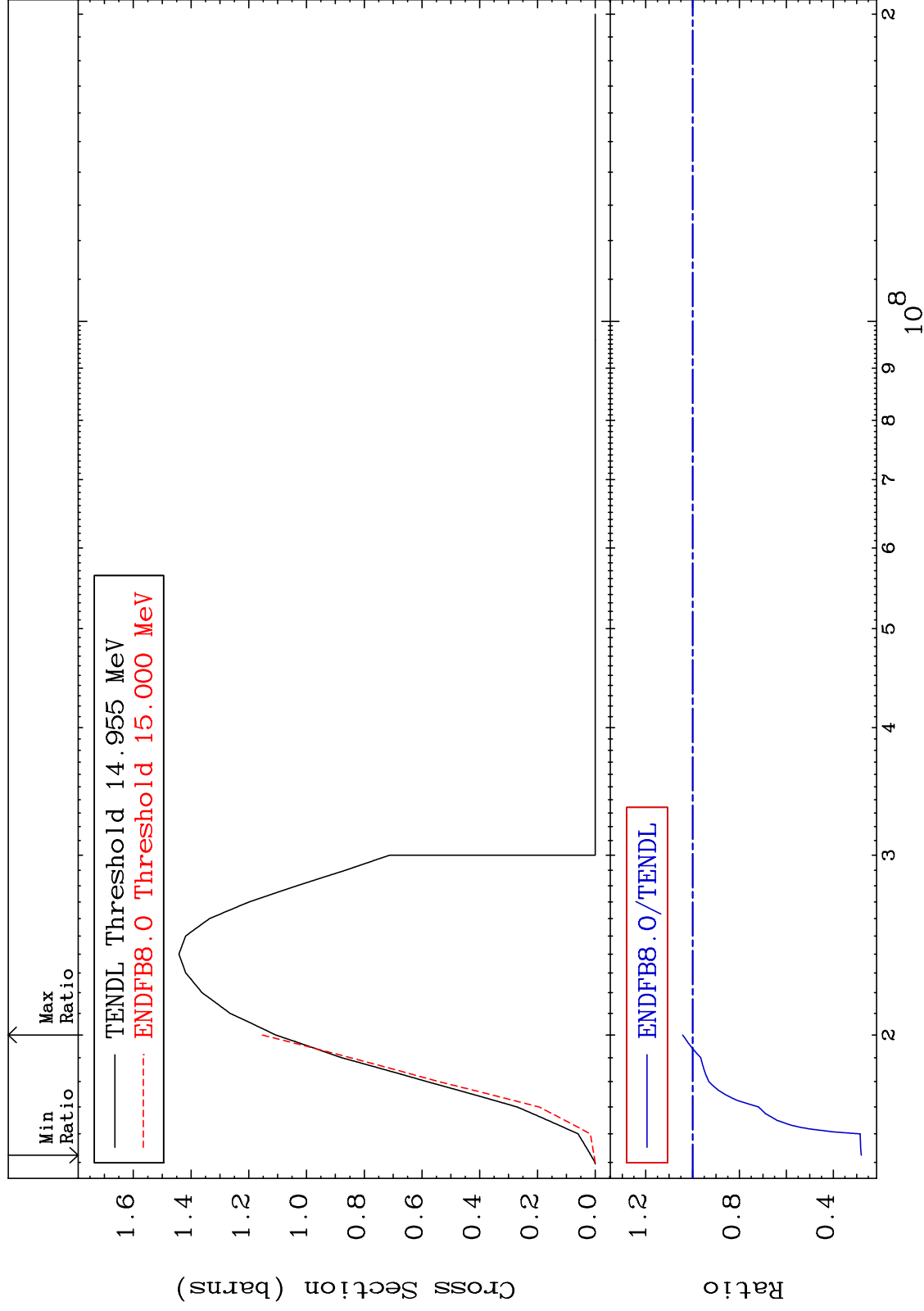
MAT 6331

(n,3n)

63-Eu-153

Cross Section

-71.99 To 4.225 %

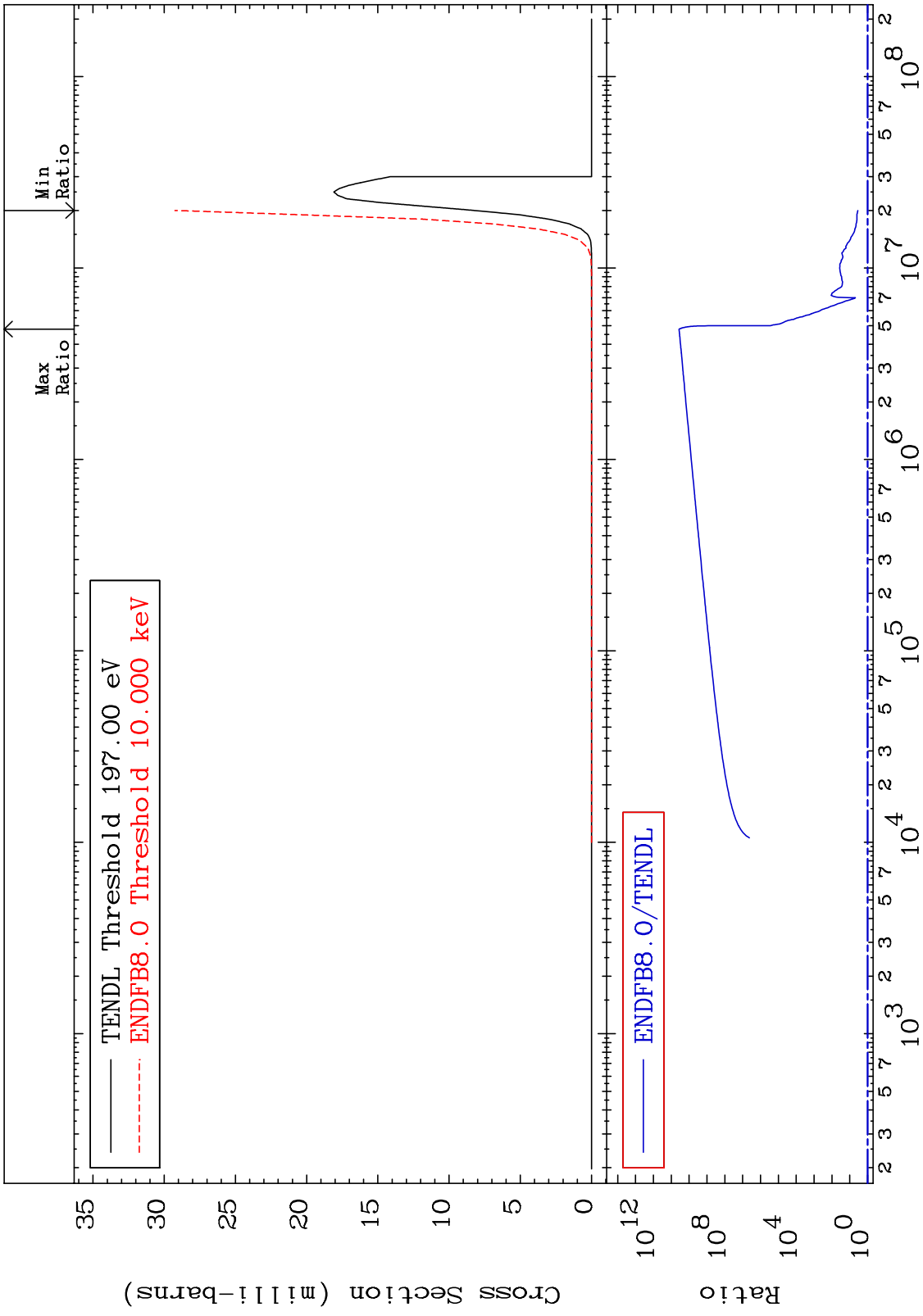


5

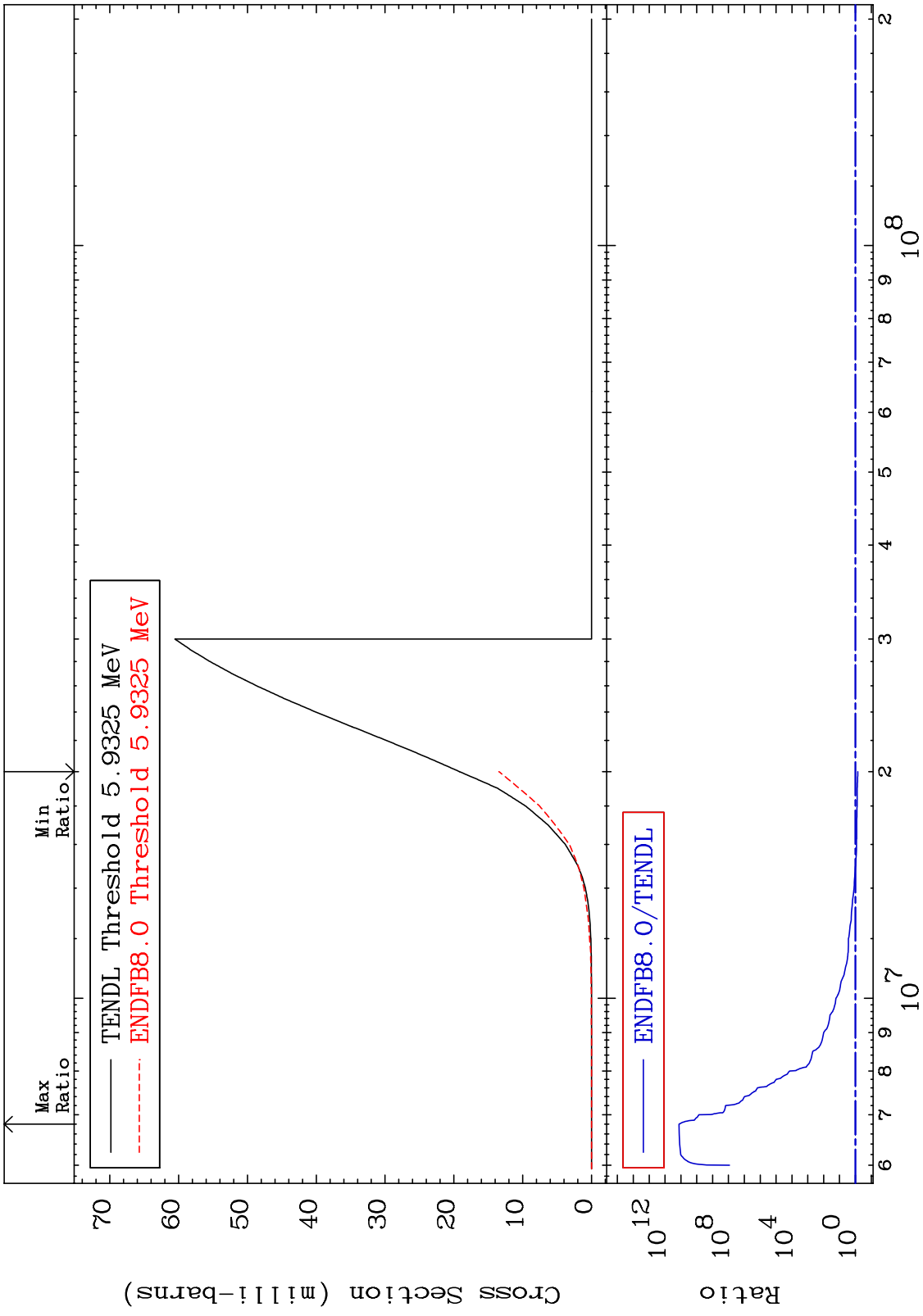
Incident Energy (eV)

63-Eu-153

MAT 6331  $(n, n') \alpha$  Cross Section  $^{63}\text{Eu-153}$  To 9999. %

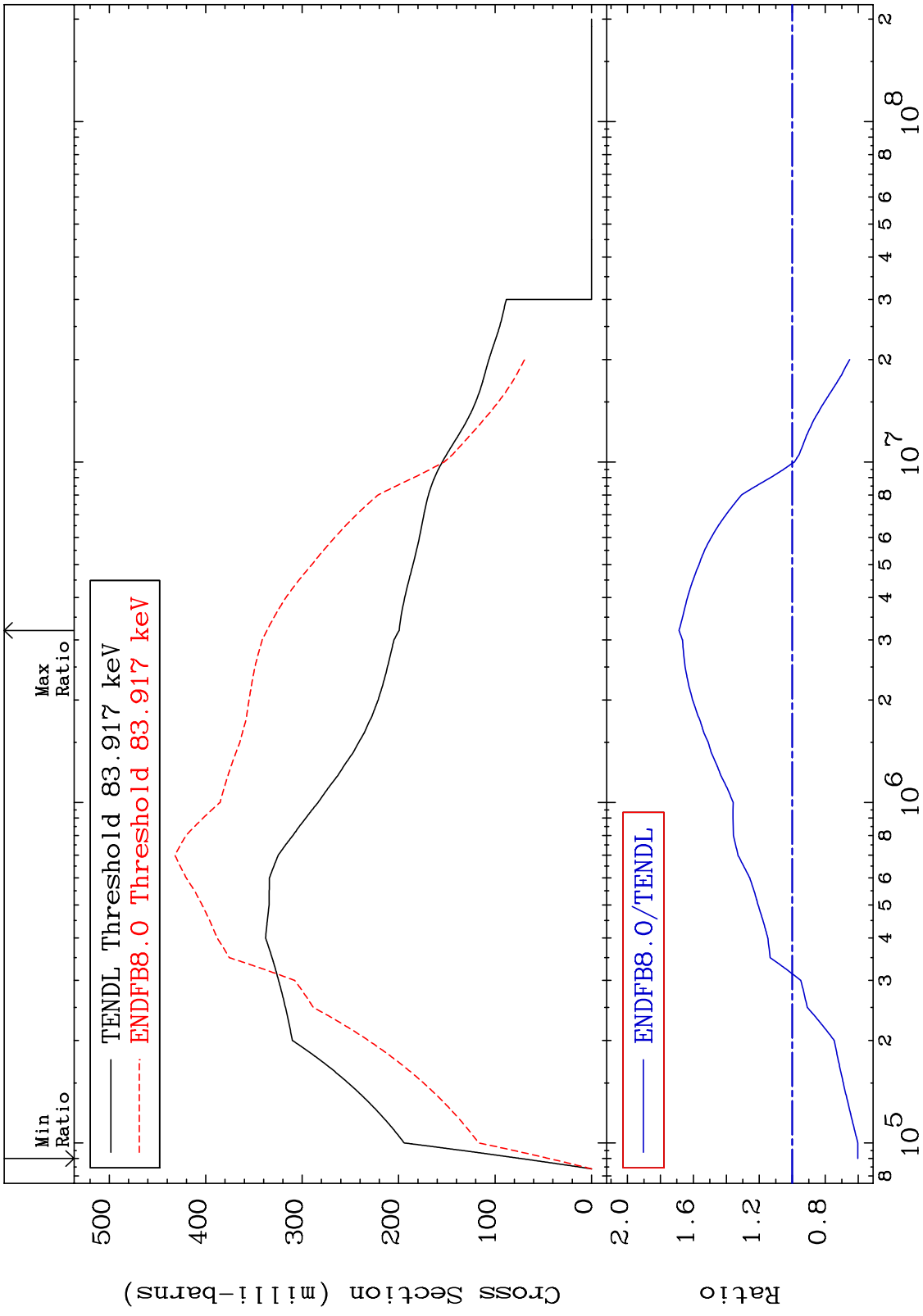


MAT 6331 (n,n') p 63-Eu-153  
 Cross Section -29.88 To 9999. %





MAT 6331 MT= 51 (n,n') Level Cross Section 63-Eu-153  
 -39.77 To 68.69 %

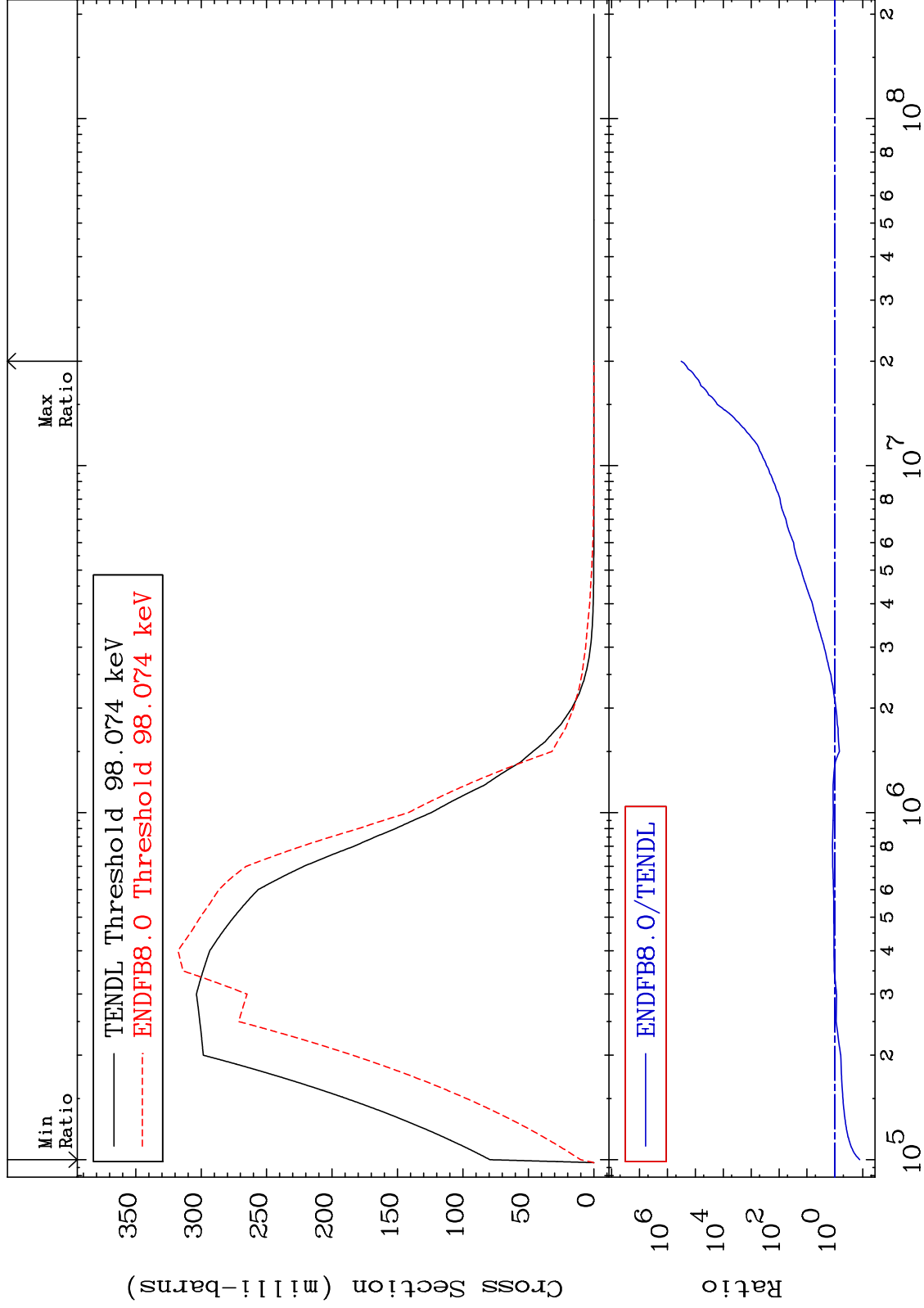


8 Incident Energy (eV) 63-Eu-153

MAT 6331

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

63-Eu-153  
-87.16 To 9999. %



9

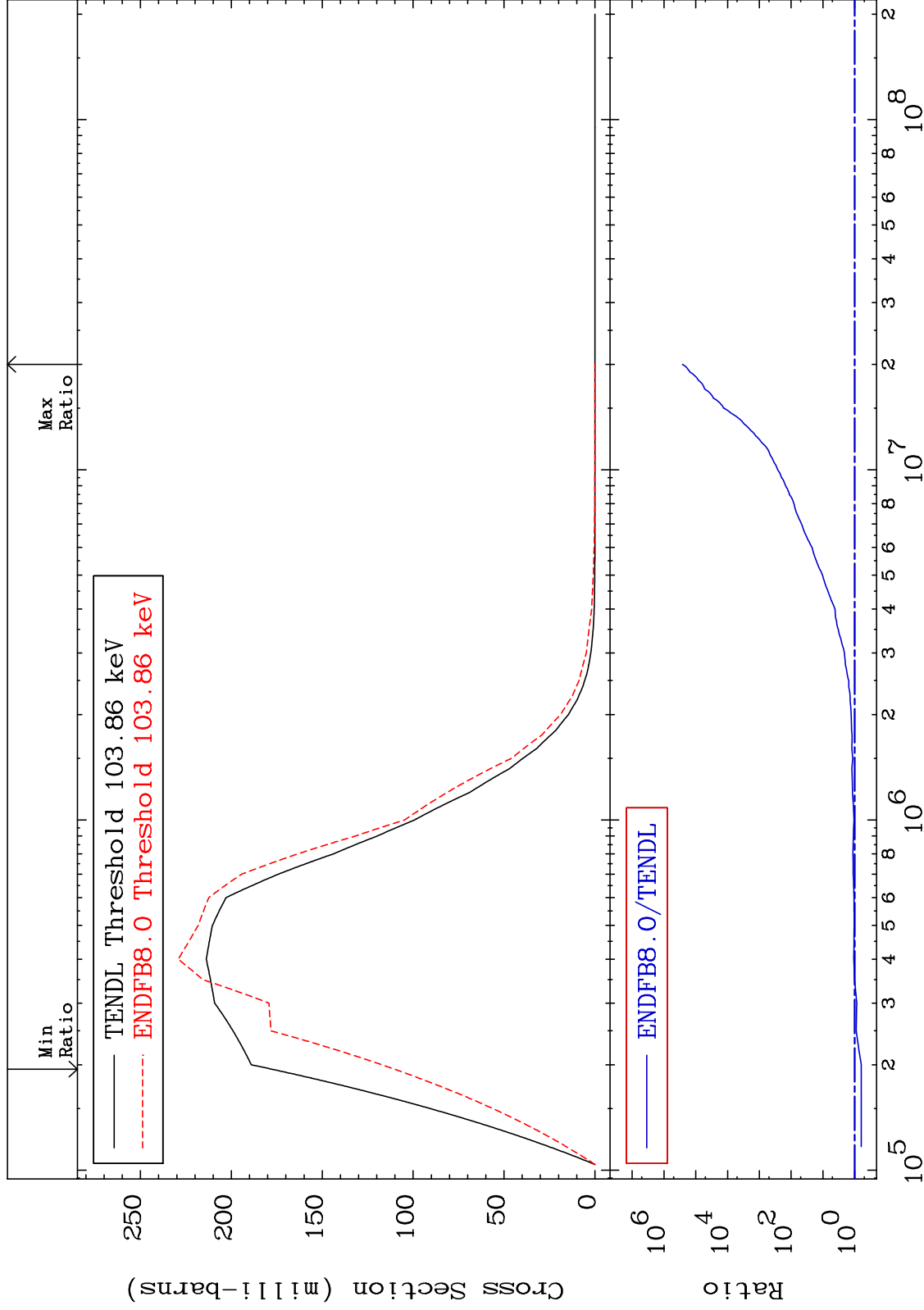
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 53 (n,n') Level  
Cross Section

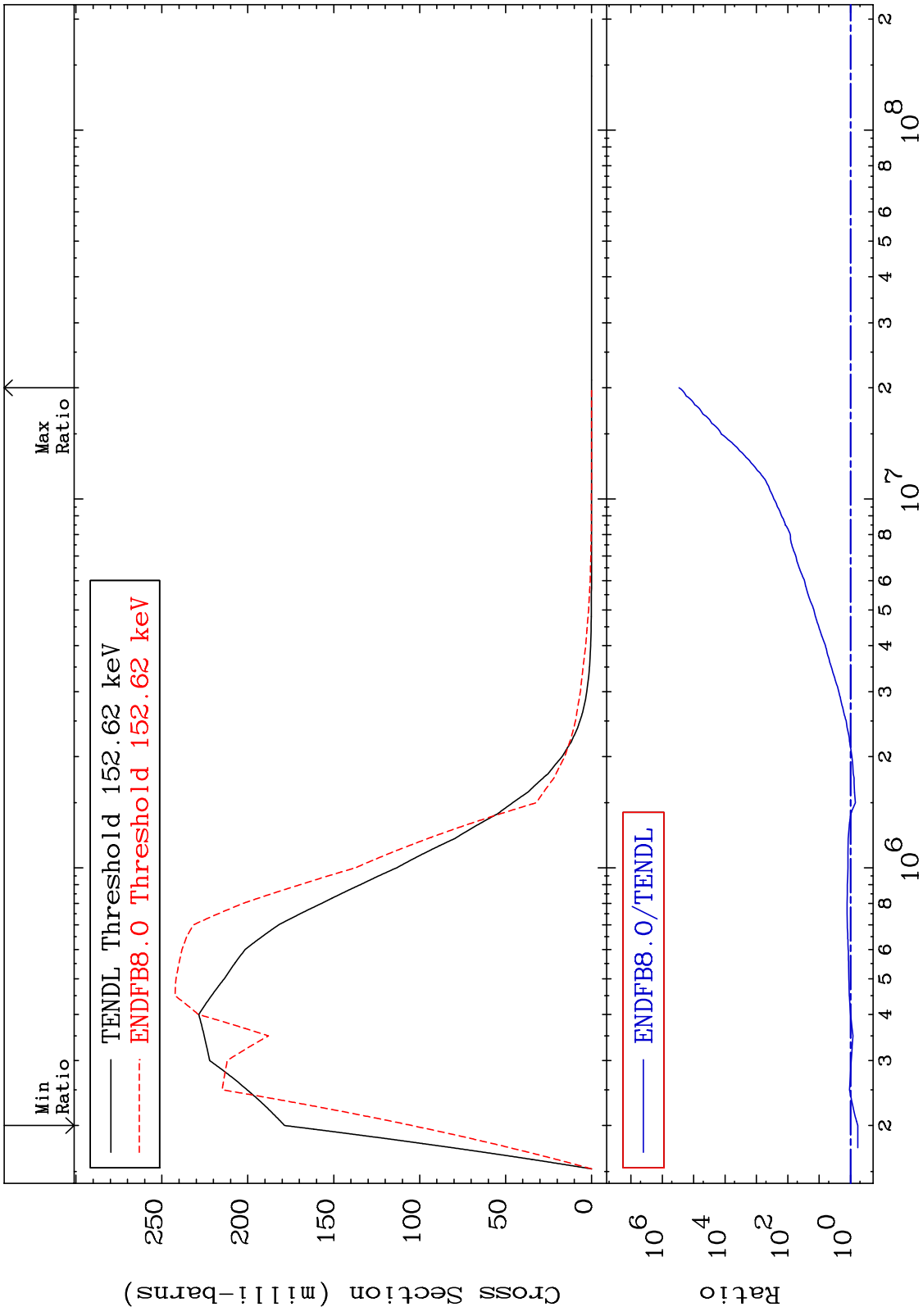
63-Eu-153  
-37.98 To 9999. %



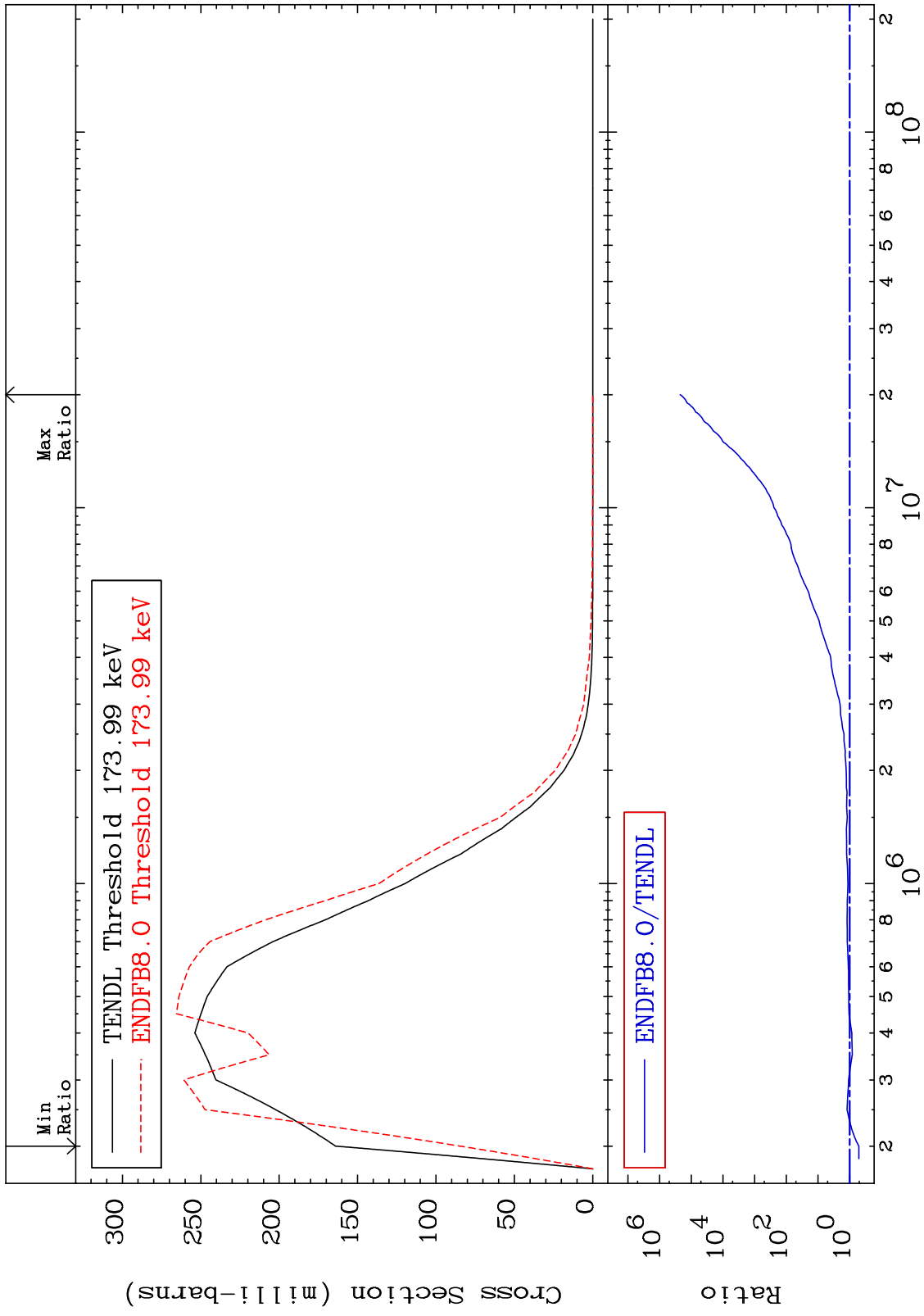
Incident Energy (eV)

63-Eu-153

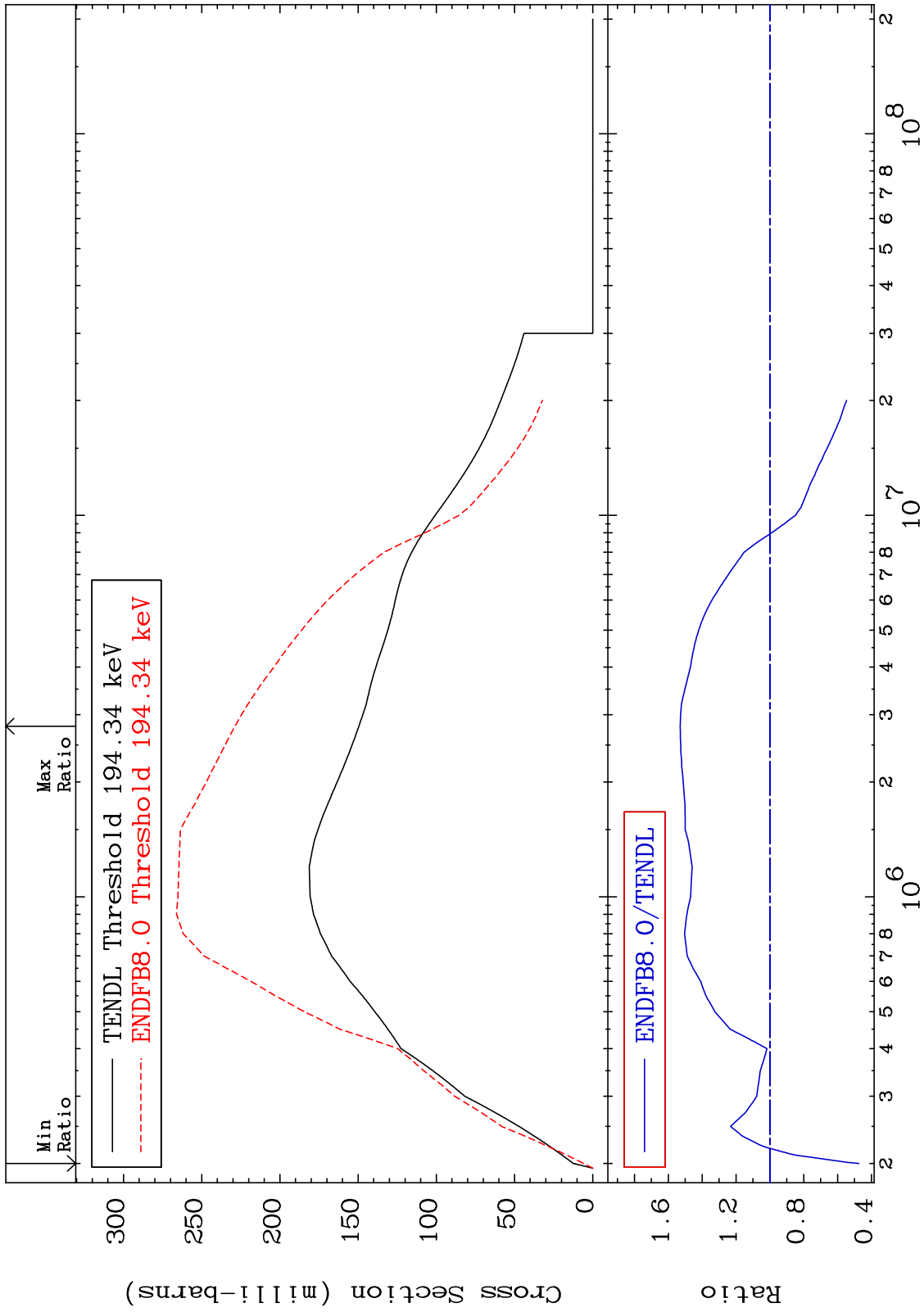
MAT 6331      MT= 54 (n,n') Level Cross Section      63-Eu-153  
 -41.45 To 9999. %



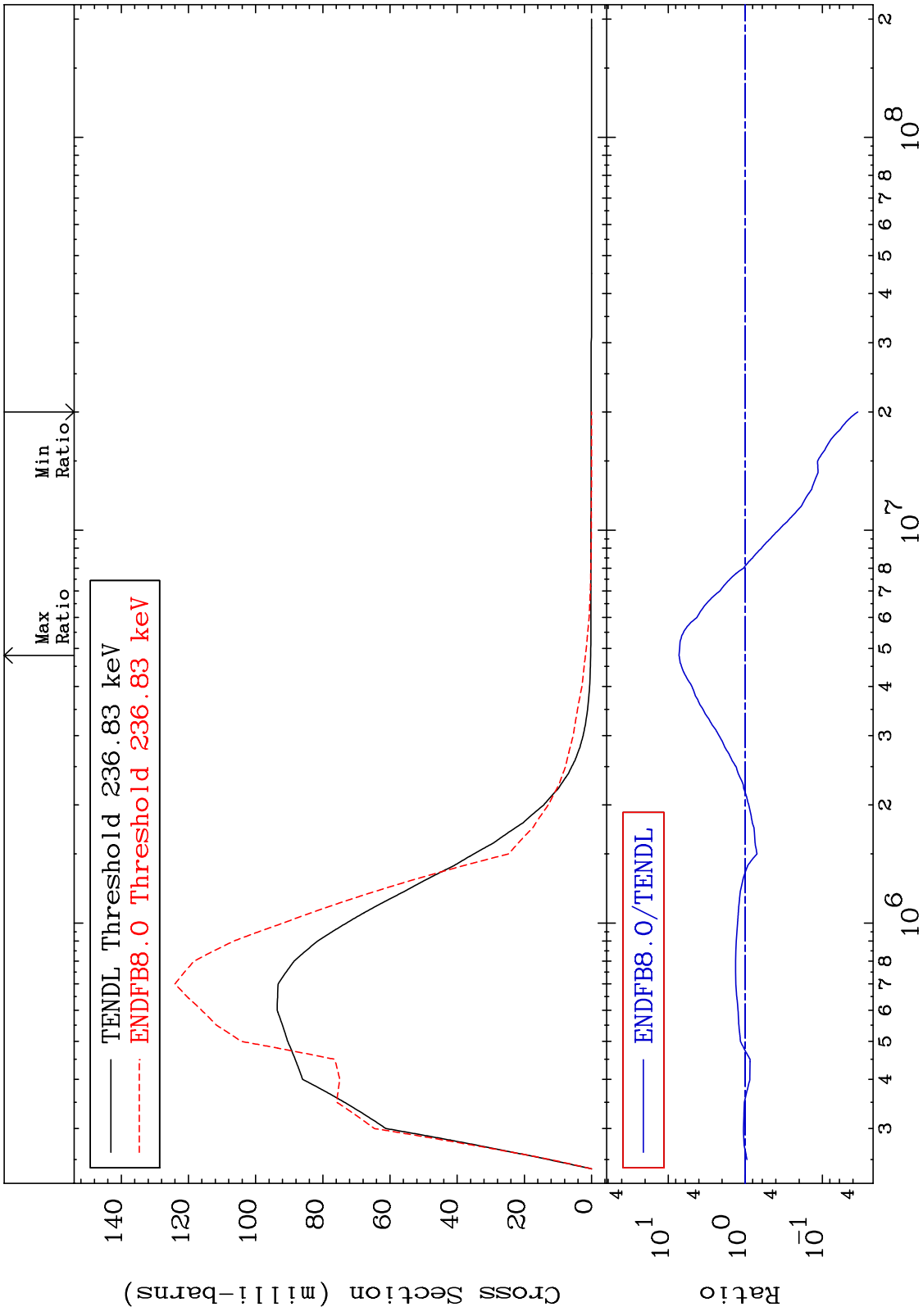
MAT 6331 MT= 55 (n,n') Level Cross Section 63-Eu-153  
 -48.43 To 9999. %



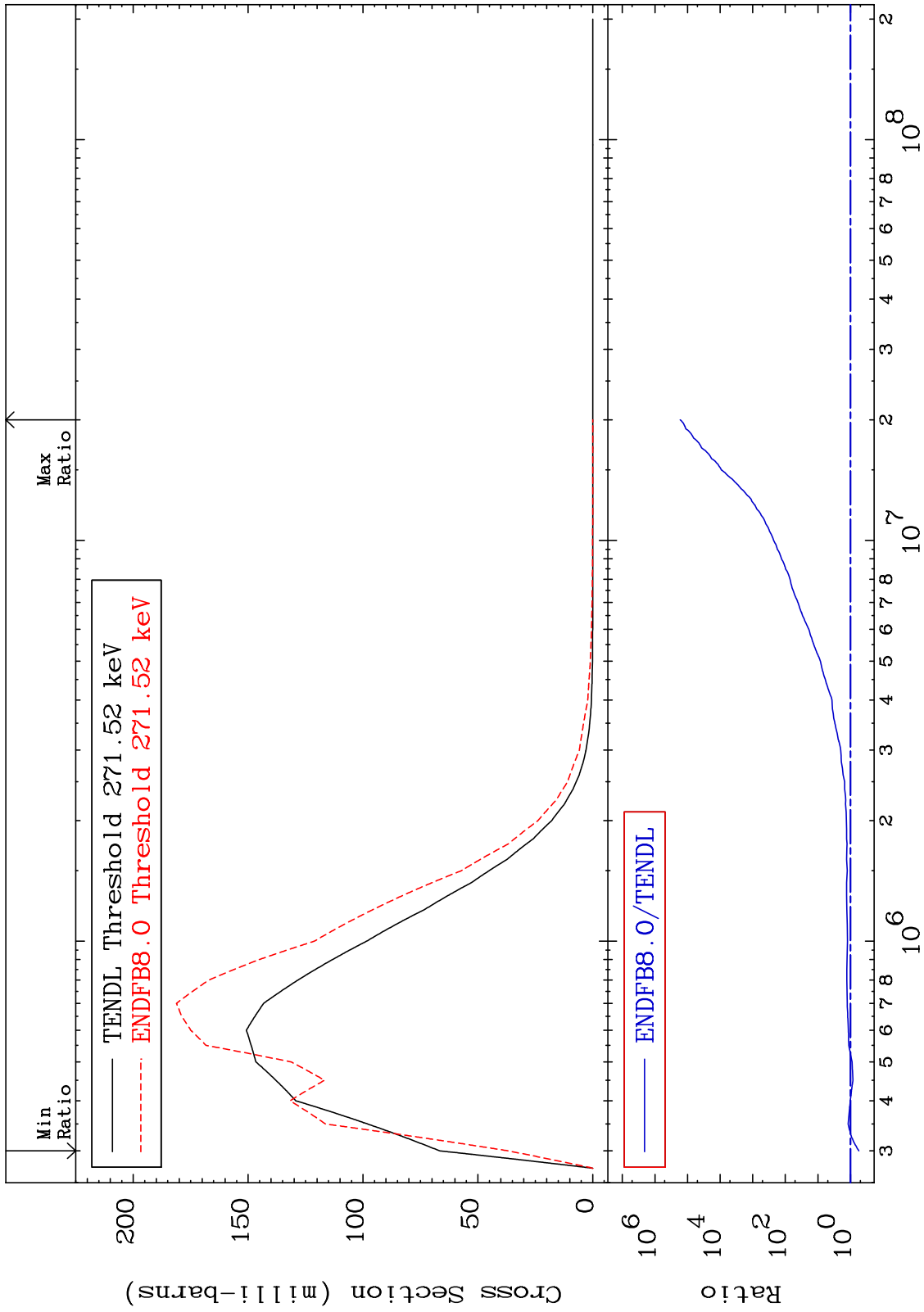
MAT 6331 MT= 56 (n,n') Level Cross Section 63-Eu-153  
 -52.58 To 52.98 %



MAT 6331 MT= 57 (n,n') Level Cross Section 63-Eu-153 -96.54 To 623.0 %

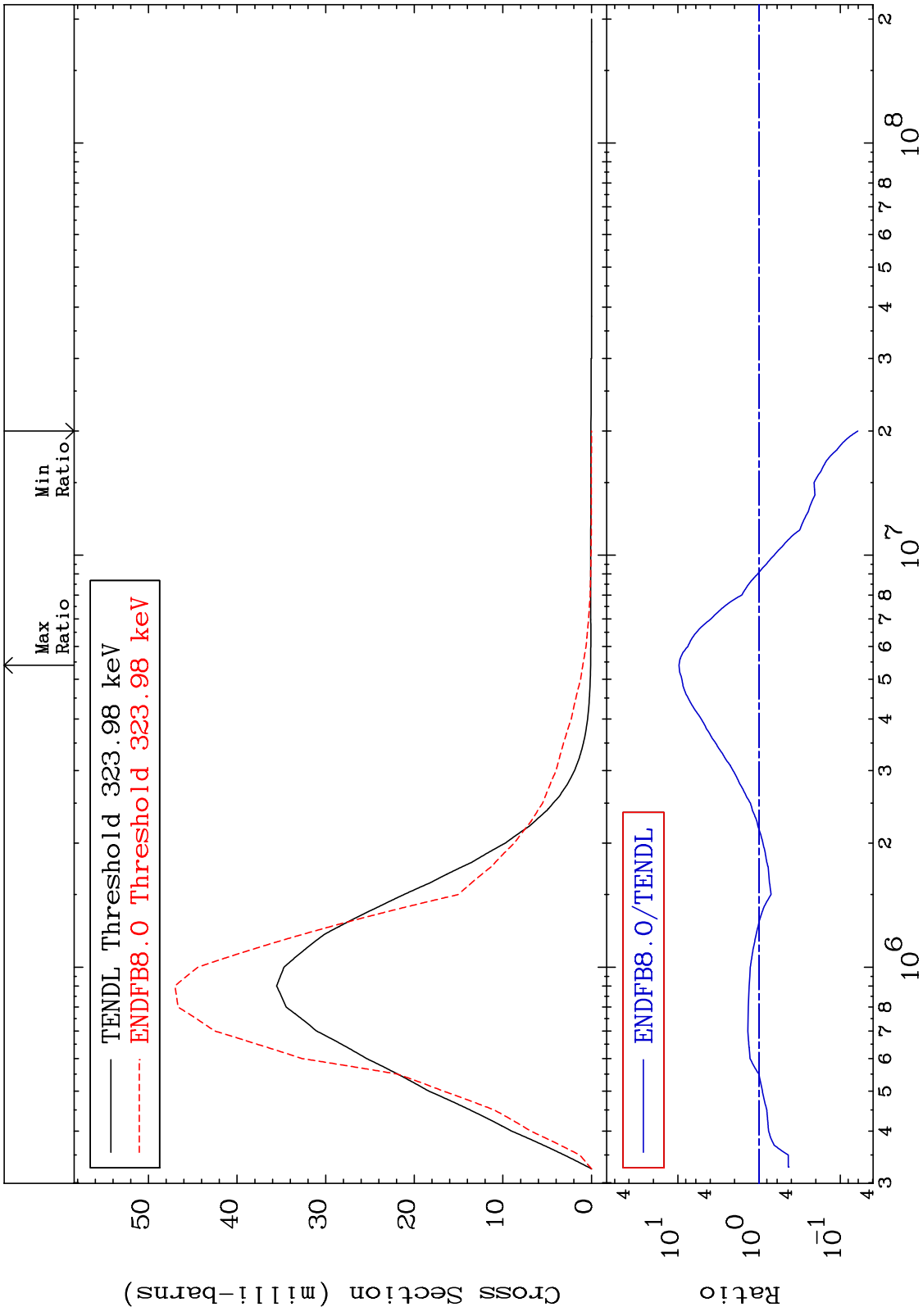


MAT 6331 MT= 58 (n,n') Level Cross Section 63-Eu-153 -44.63 To 9999. %





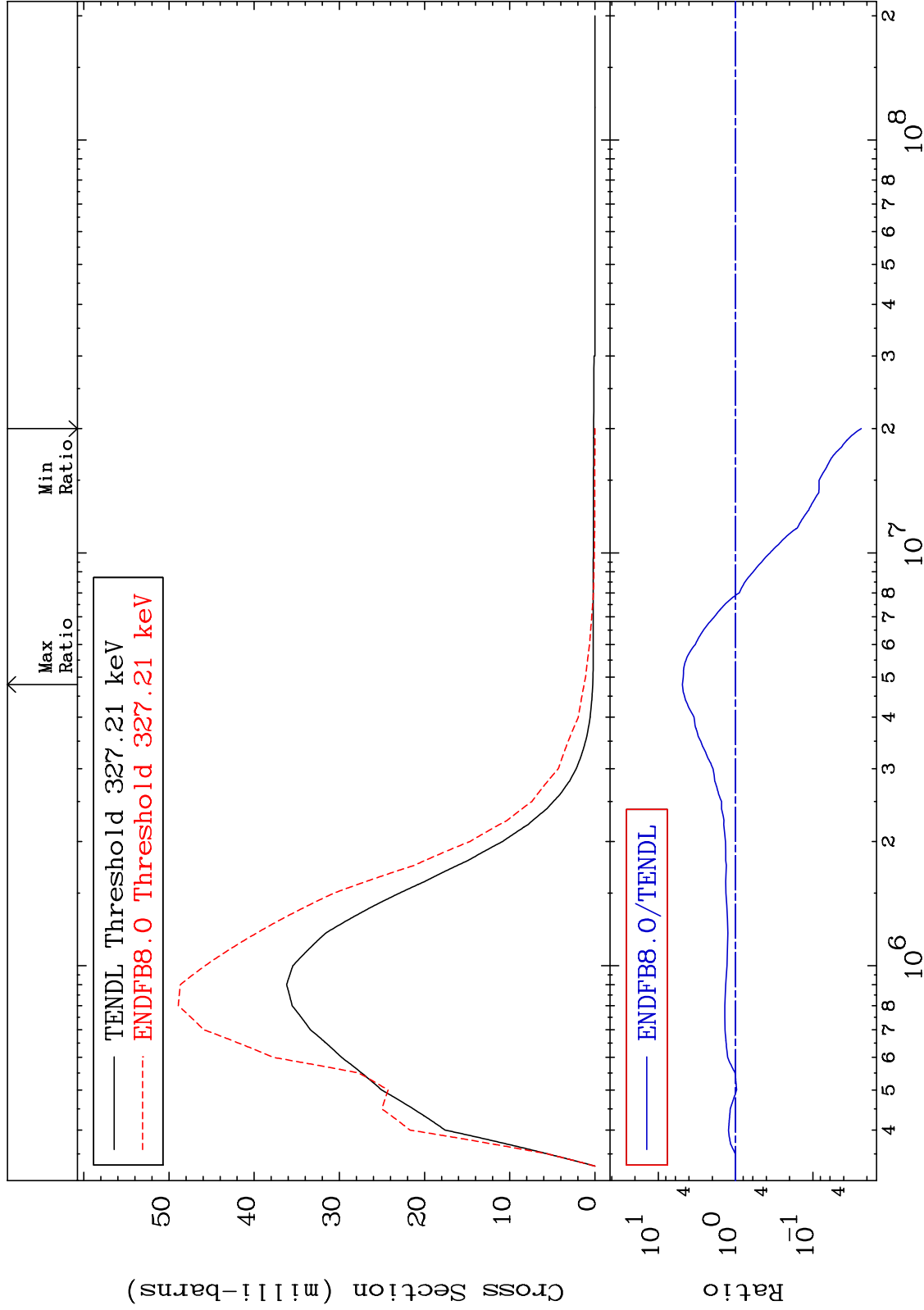
MAT 6331      MT= 59 (n,n') Level Cross Section      63-Eu-153  
 -93.93 To 865.7 %



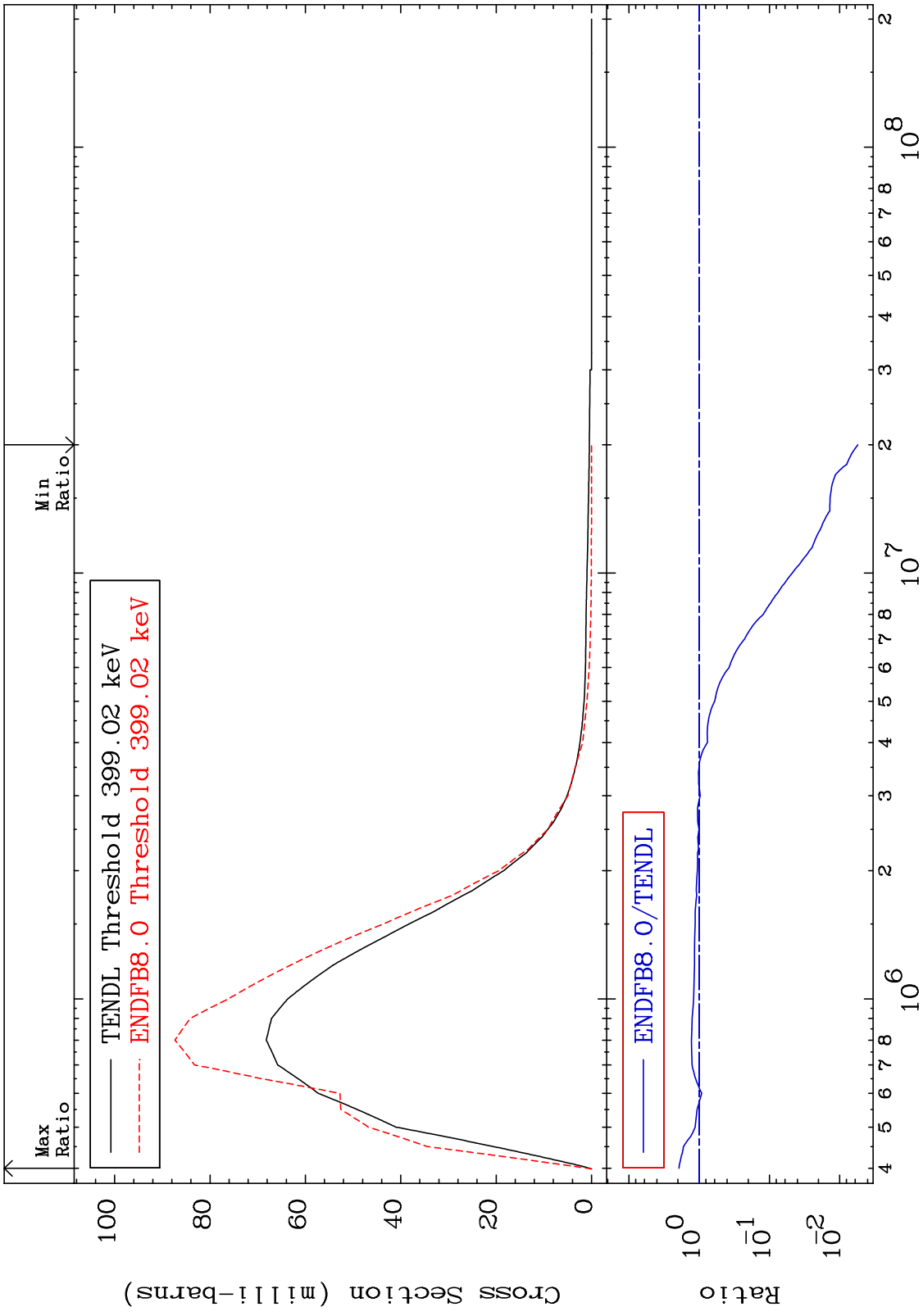
MAT 6331

MT= 60 (n,n') Level  
Cross Section

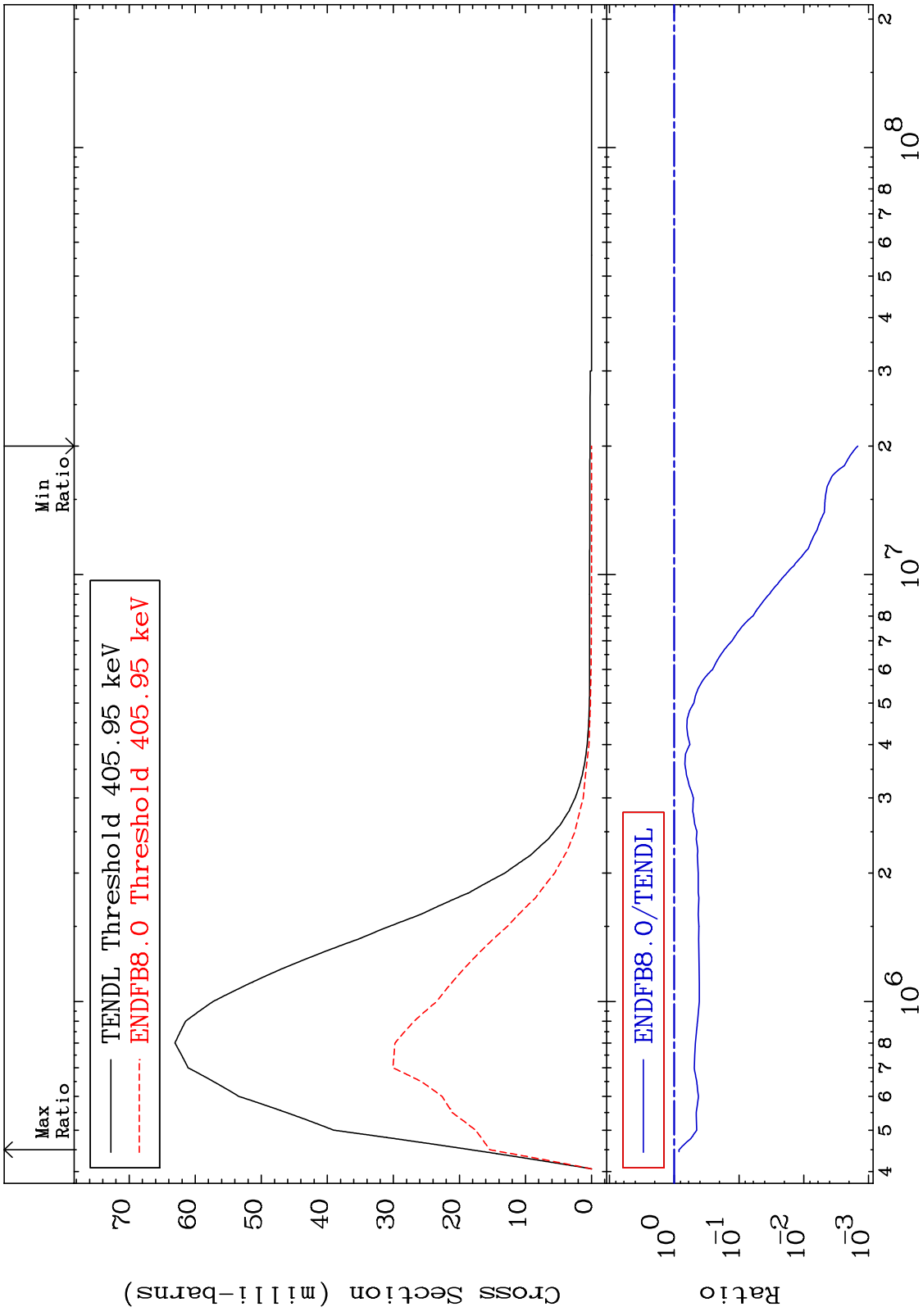
63-Eu-153  
-97.63 To 386.6 %



MAT 6331 MT= 61 (n,n') Level Cross Section 63-Eu-153 -99.45 To 92.95 %



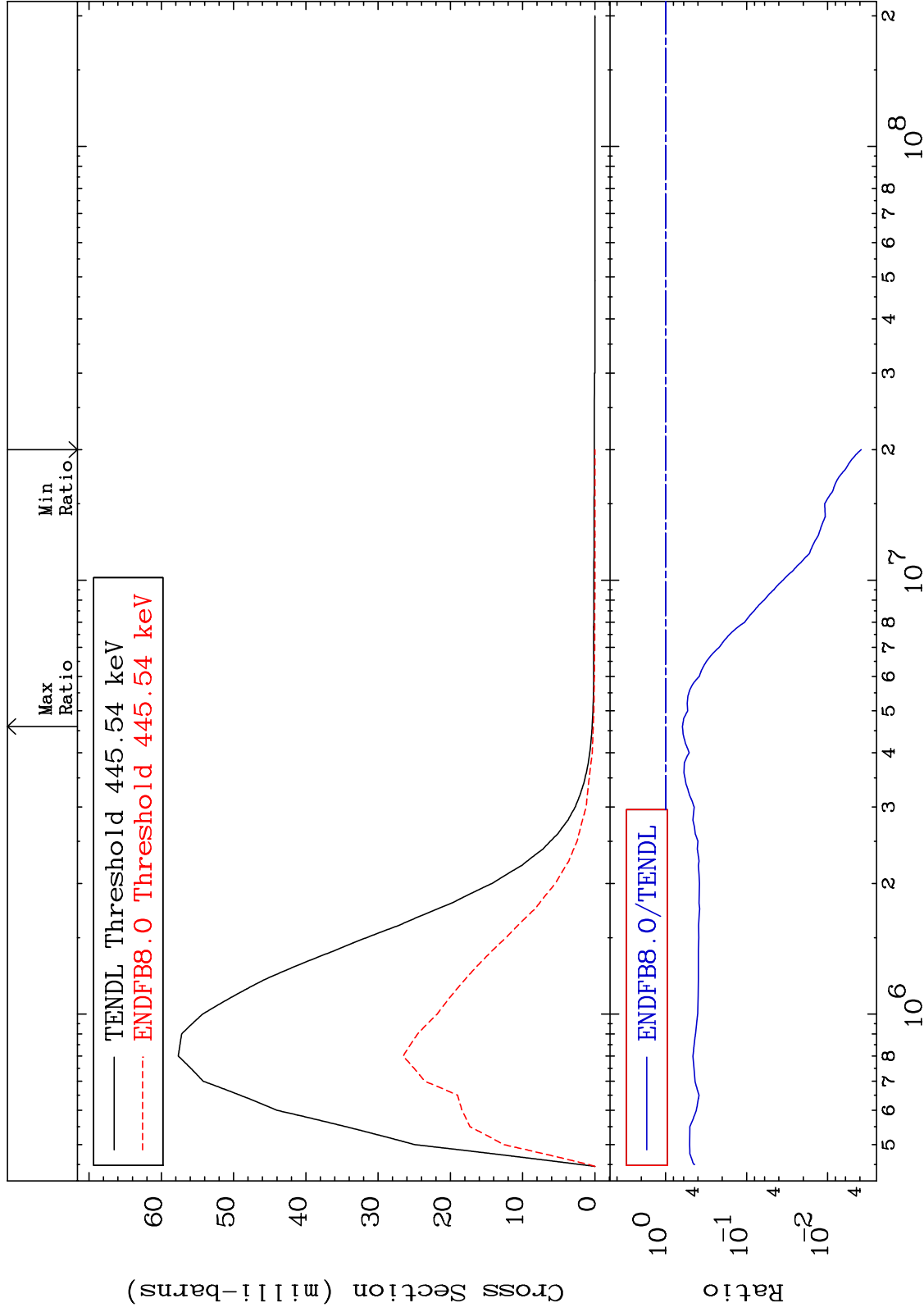
MAT 6331 MT= 62 (n,n') Level Cross Section 63-Eu-153 -99.85 To -15.66%



MAT 6331

MT= 63 (n,n') Level  
Cross Section

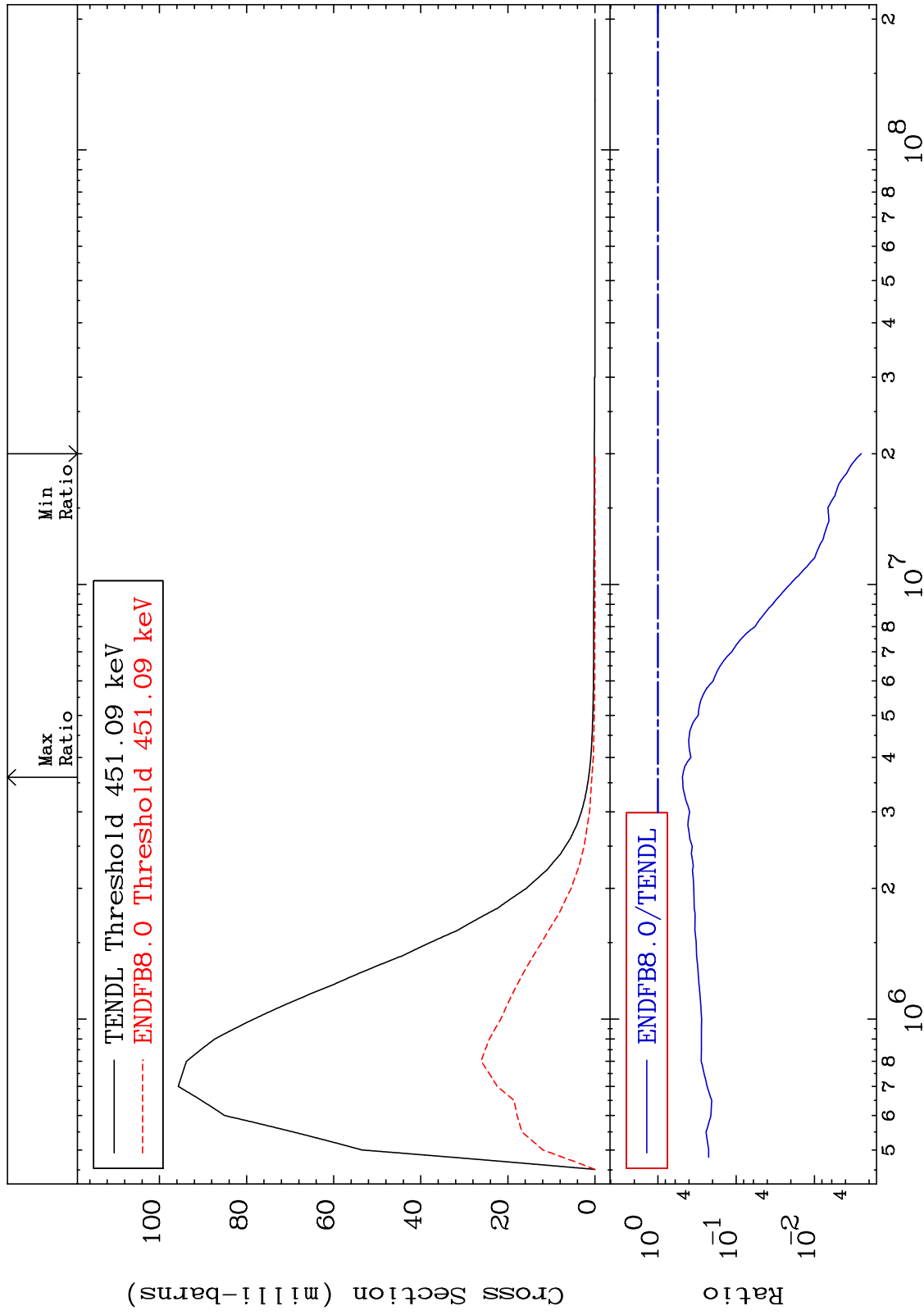
63-Eu-153  
-99.62 To -37.98%



MAT 6331

MT= 64 (n,n') Level  
Cross Section

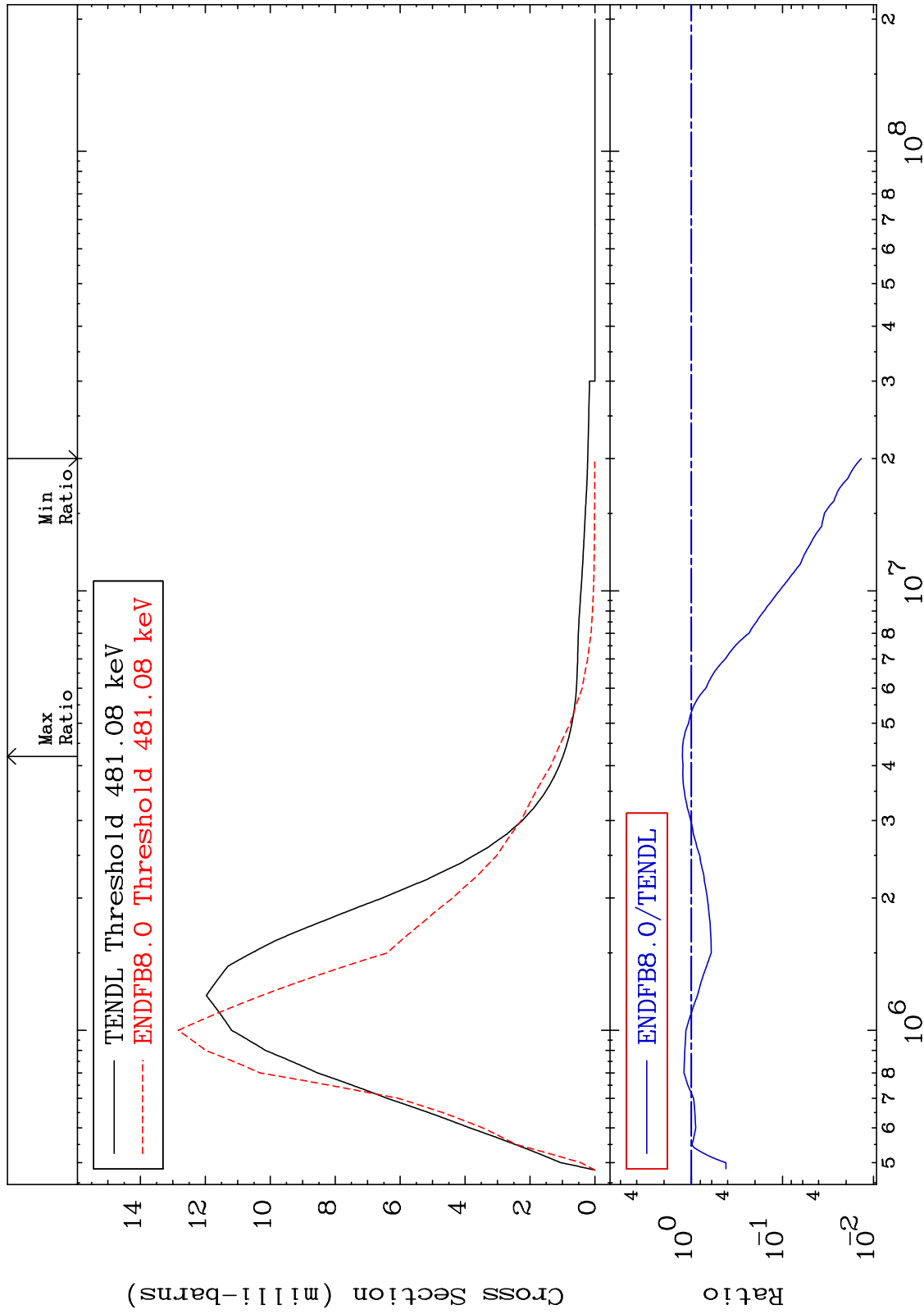
63-Eu-153  
-99.75 To -51.54%



MAT 6331

MT= 65 (n,n') Level  
Cross Section

63-Eu-153  
-98.64 To 25.40 %



22

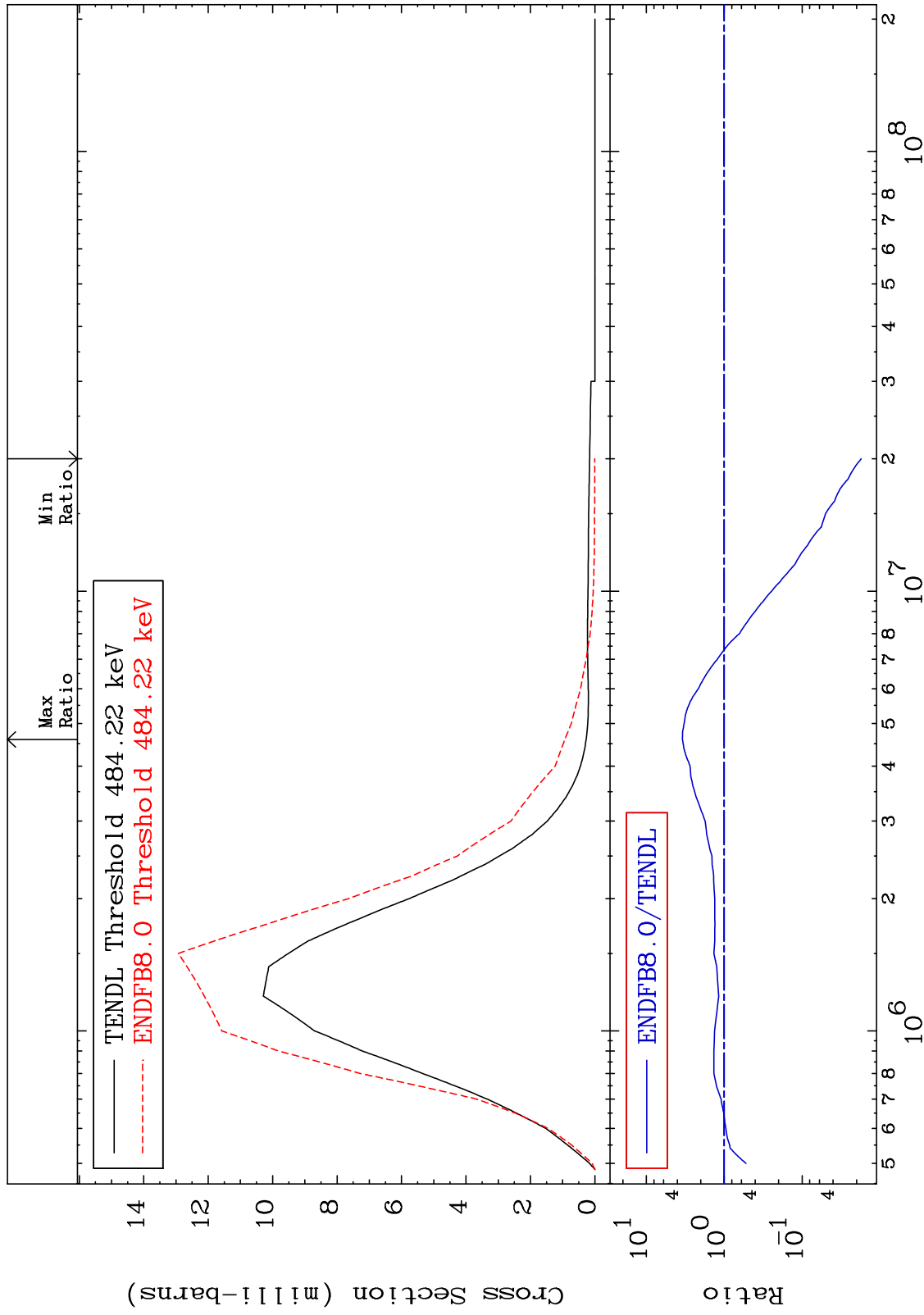
Incident Energy (eV)

63-Eu-153

MAT 6331

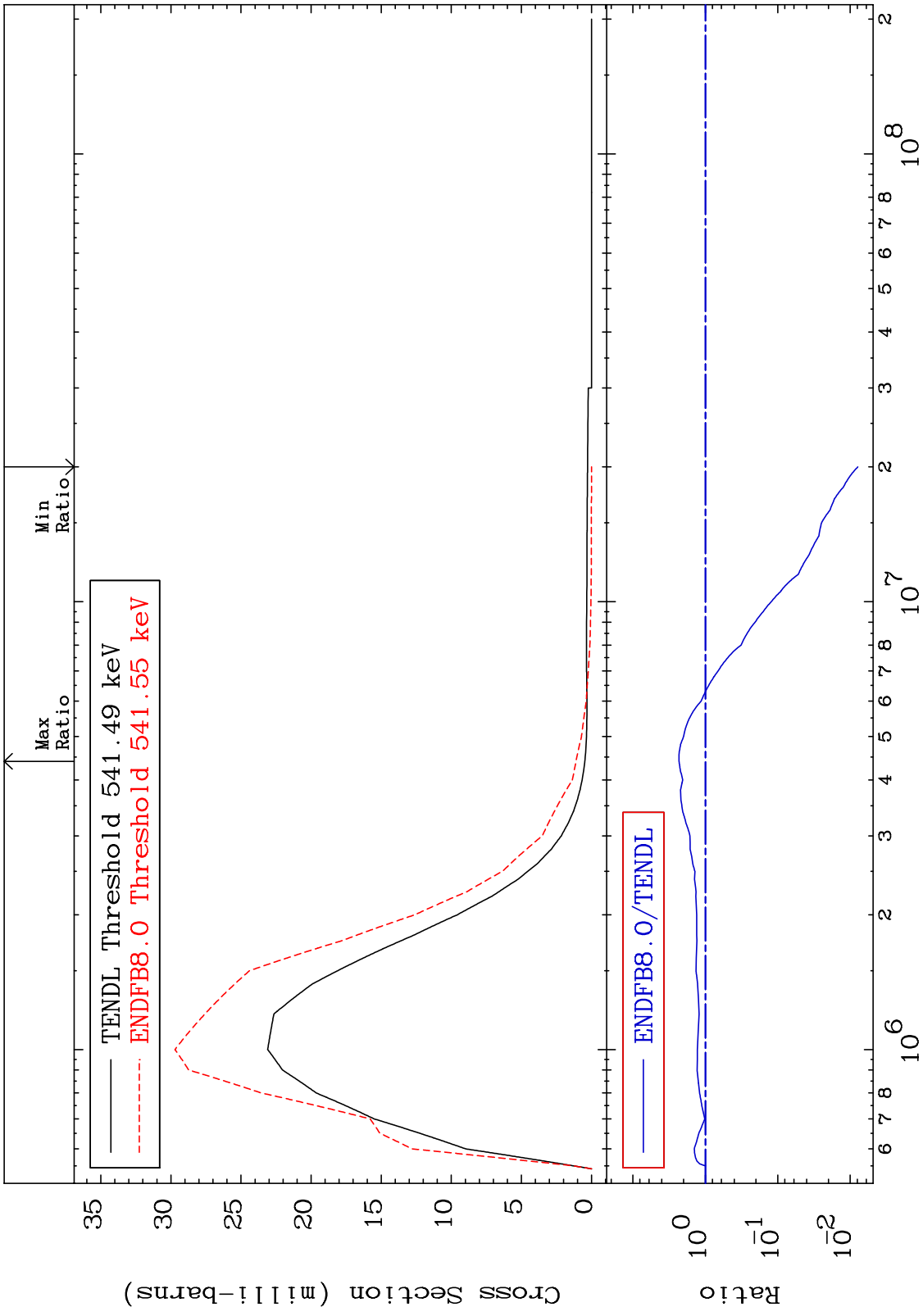
MT= 66 (n,n') Level  
Cross Section

63-Eu-153  
-98.26 To 244.0 %





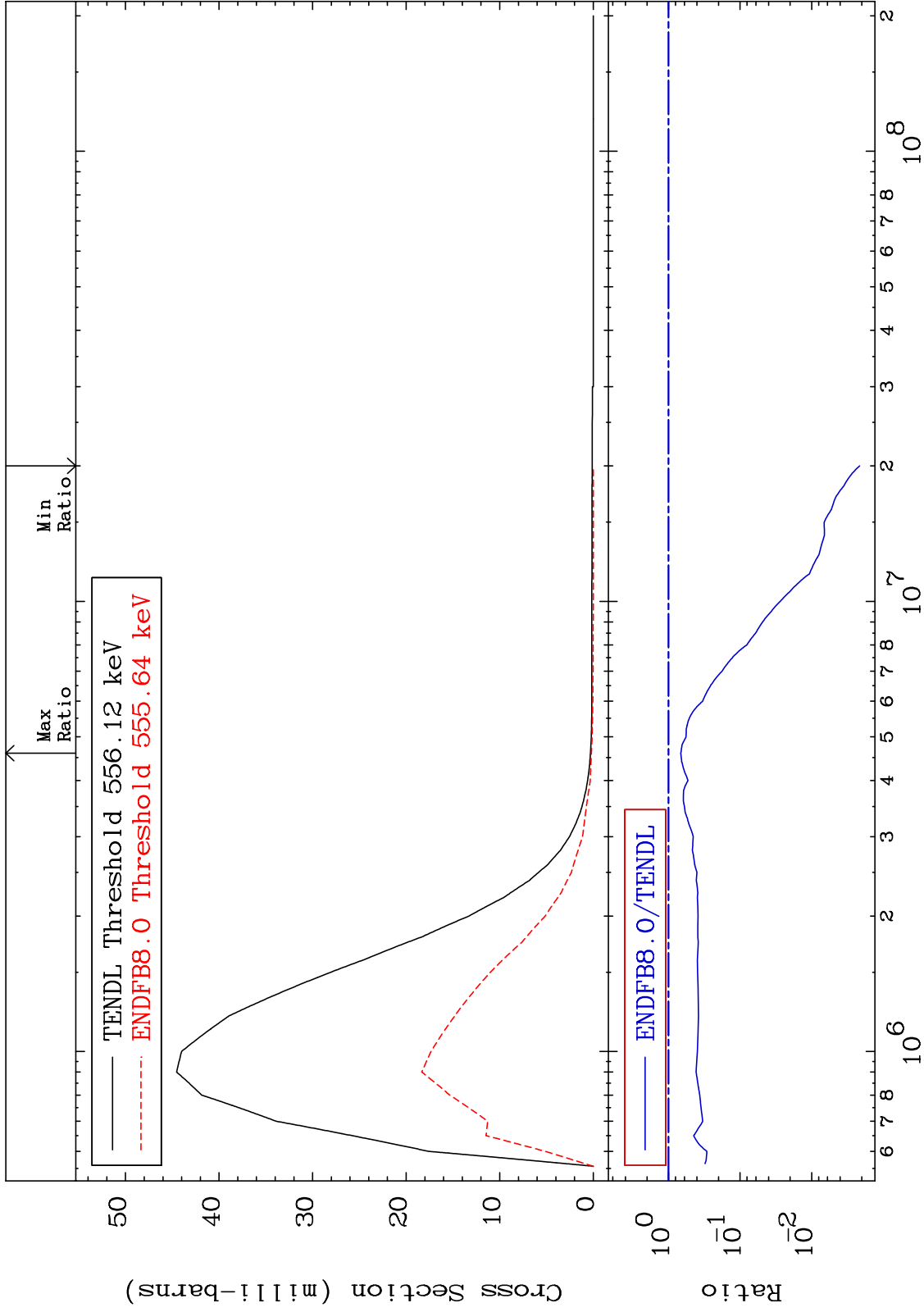
MAT 6331      MT= 67 (n,n') Level Cross Section      63-Eu-153  
 -99.21 To 130.8 %



MAT 6331

MT= 68 (n,n') Level  
Cross Section

63-Eu-153  
-99.79 To -32.66%

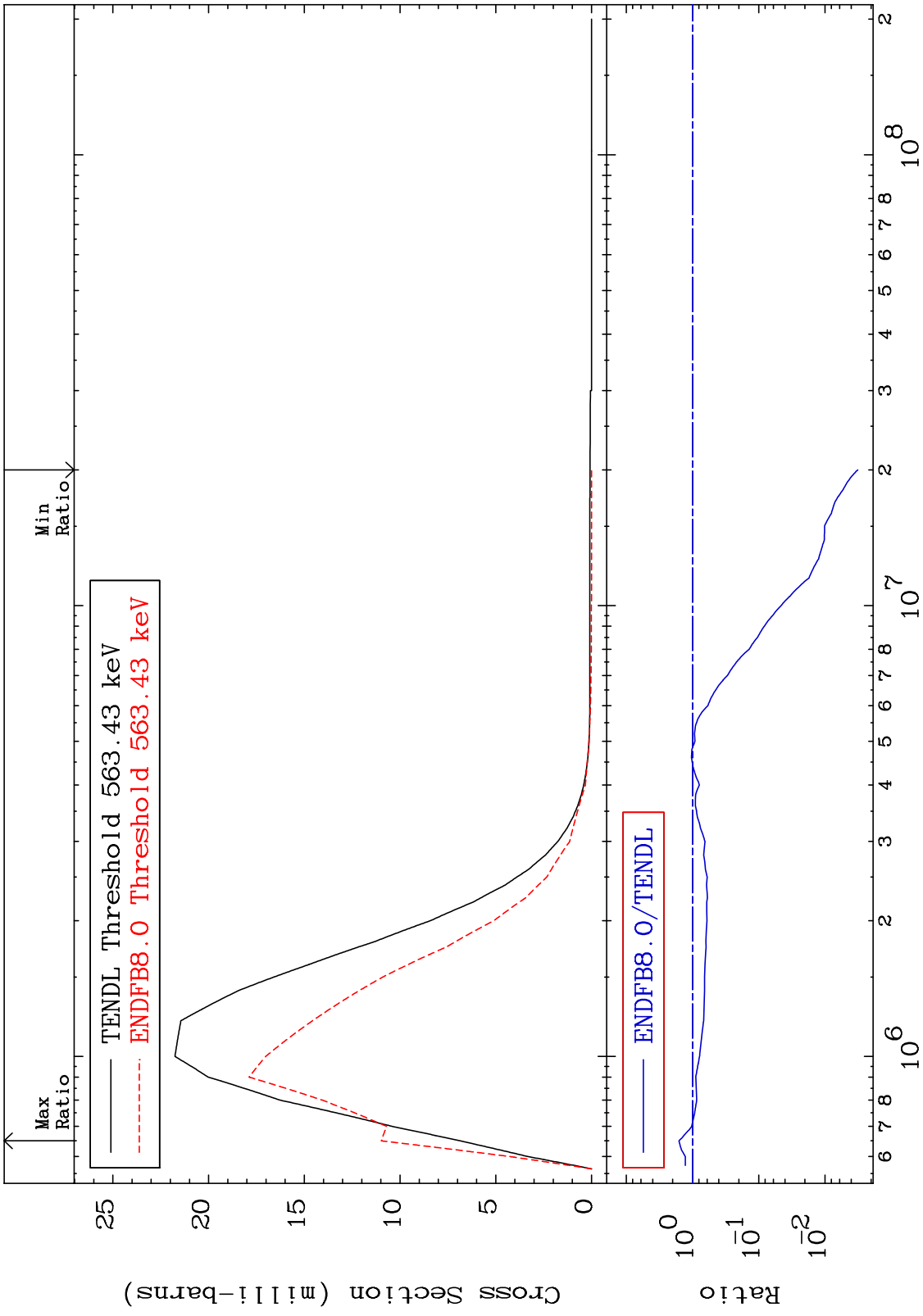


25

Incident Energy (eV)

63-Eu-153

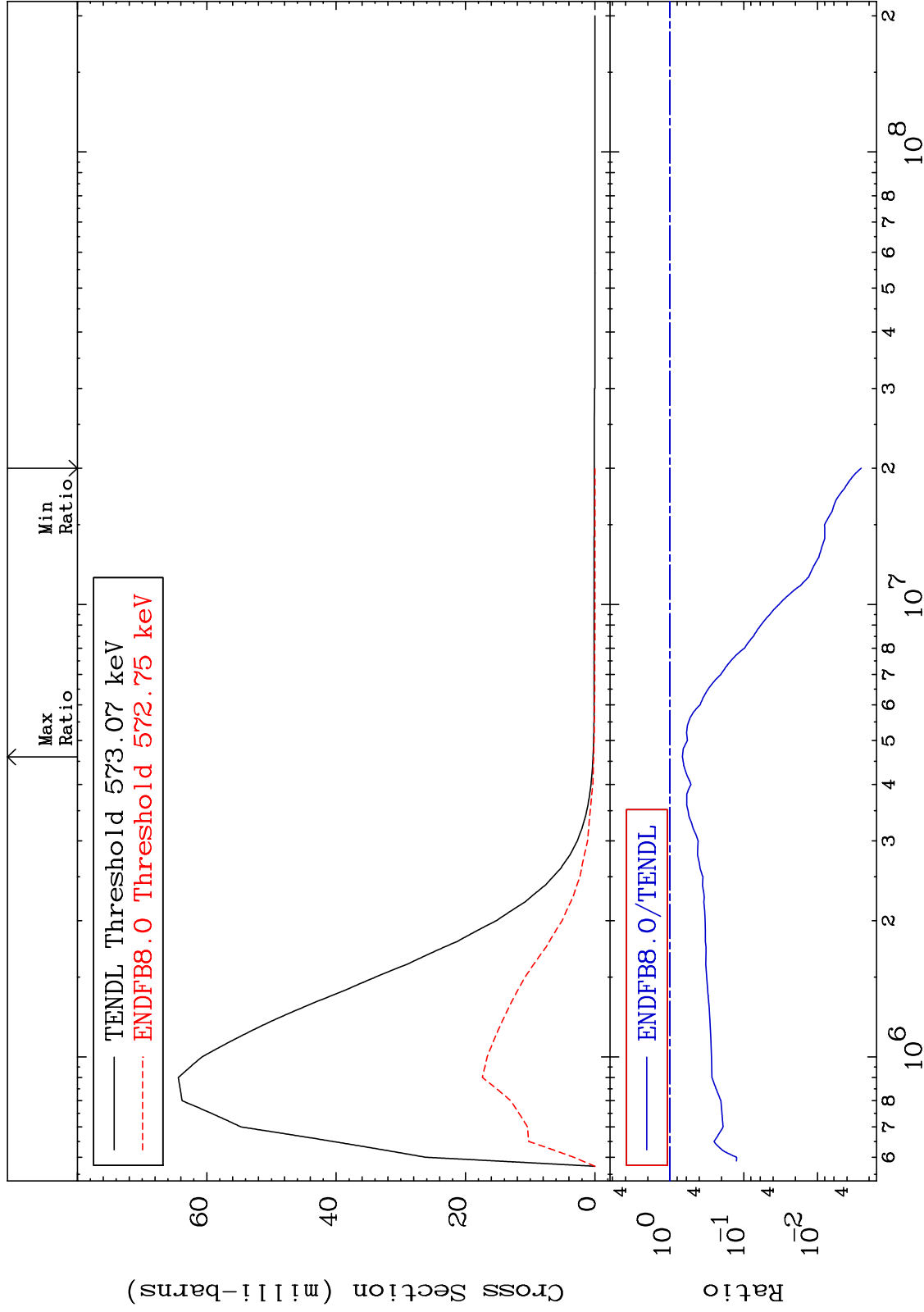
MAT 6331 MT= 69 (n,n') Level Cross Section 63-Eu-153  
 -99.68 To 59.66 %



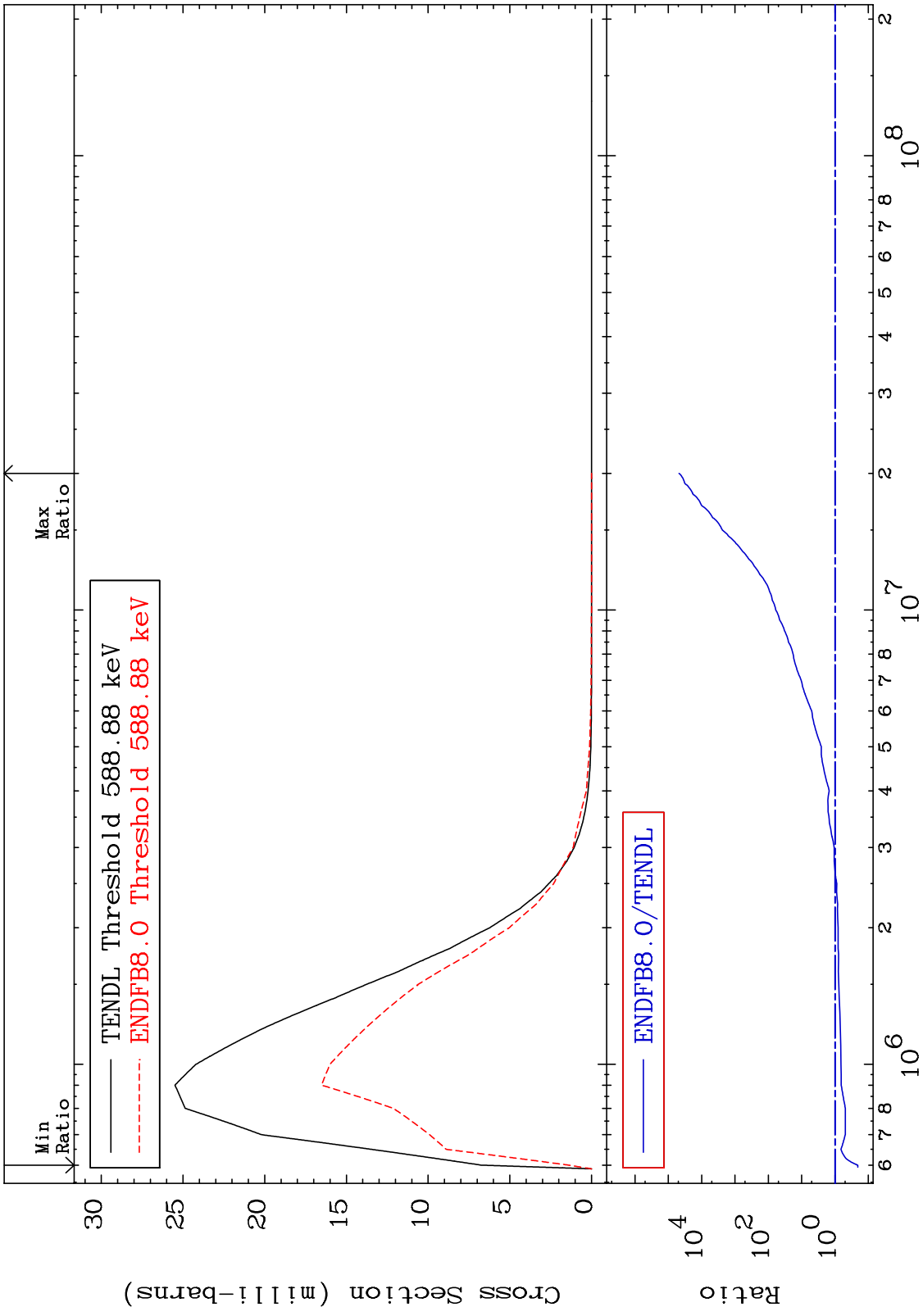
MAT 6331

MT= 70 (n,n') Level  
Cross Section

63-Eu-153  
-99.74 To -32.29%



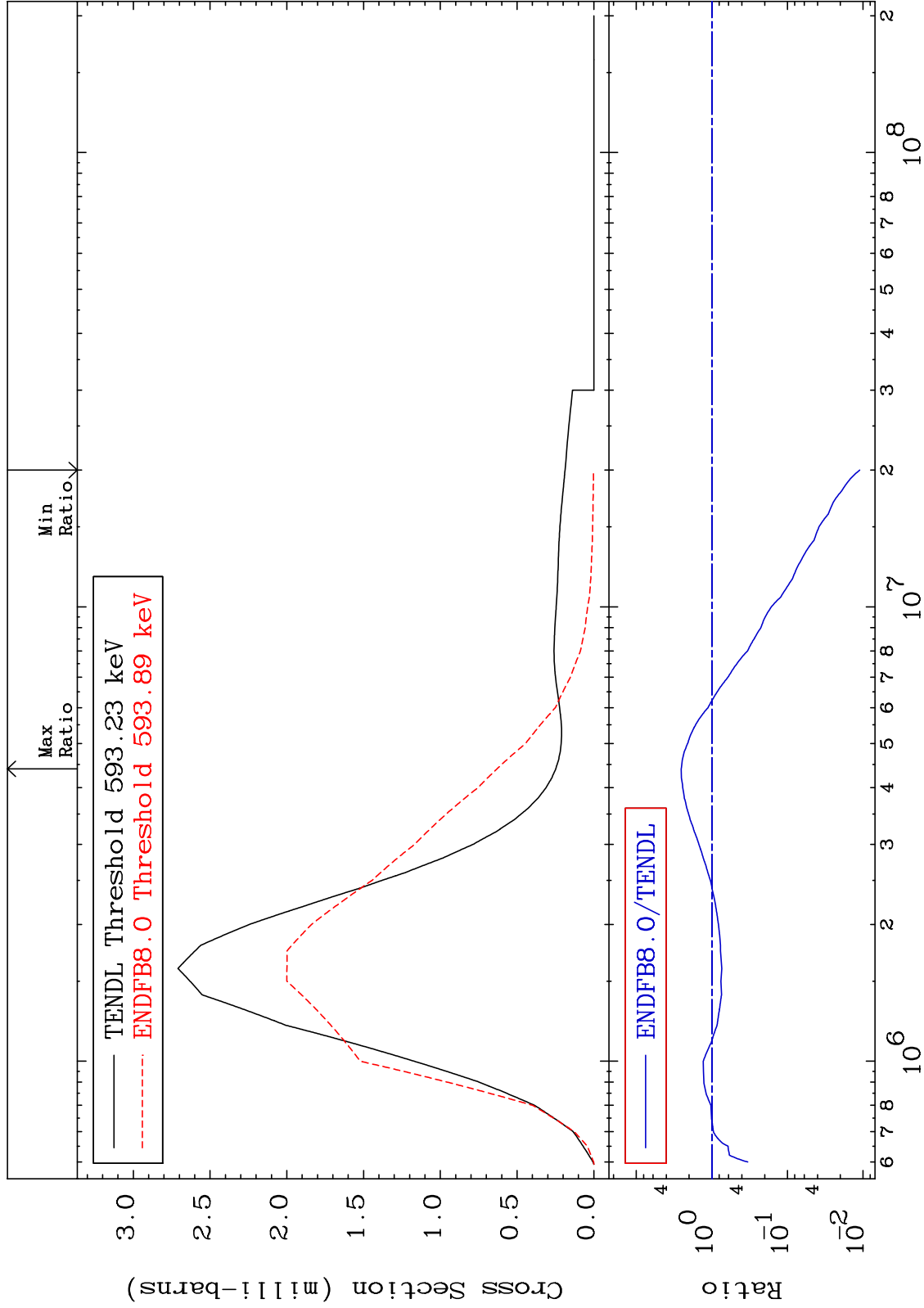
MAT 6331 MT= 71 (n,n') Level Cross Section 63-Eu-153  
 -79.39 To 9999. %



MAT 6331

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

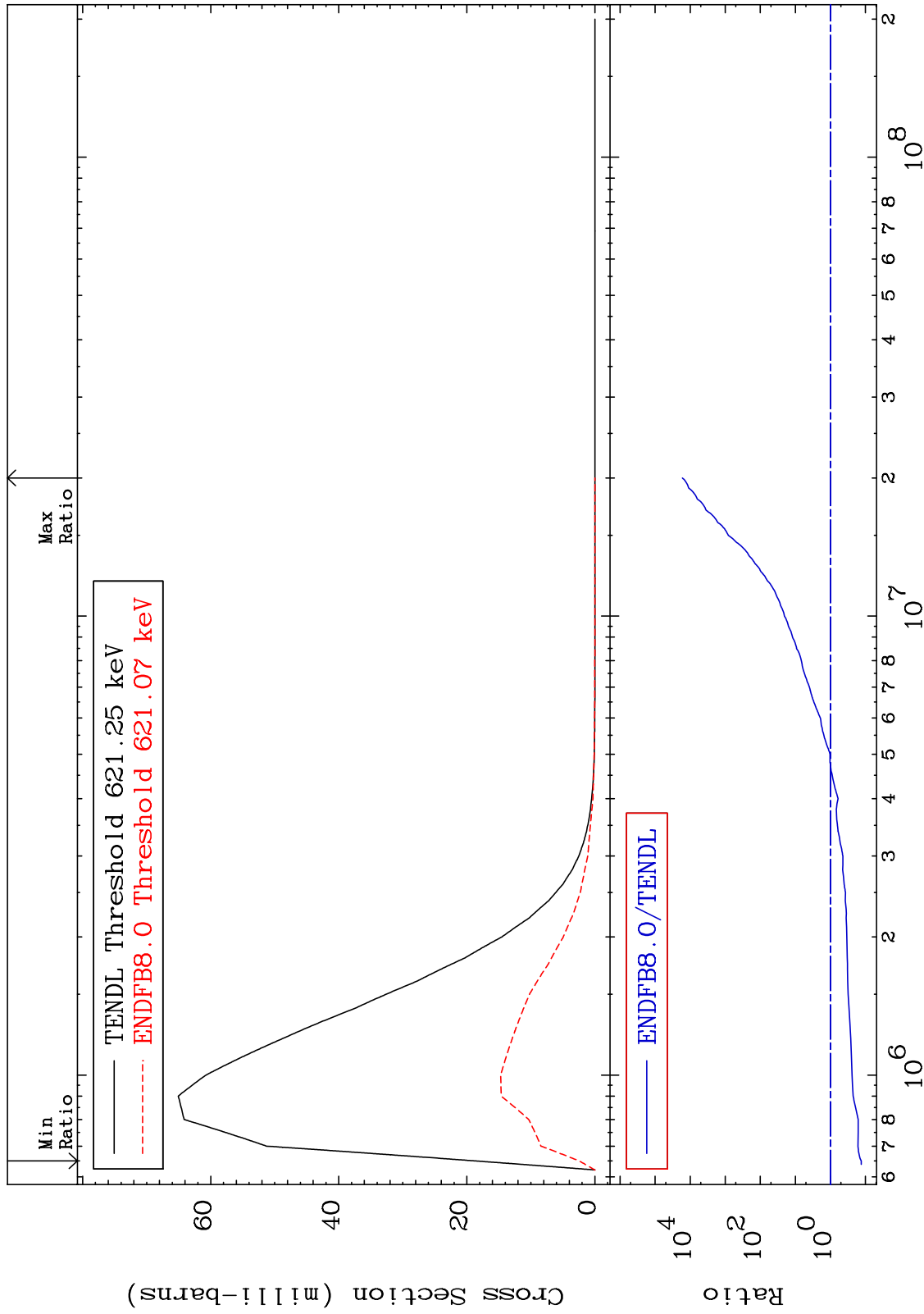
63-Eu-153  
-98.90 To 154.3 %



MAT 6331

MT= 73 (n,n') Level  
Cross Section

63-Eu-153  
-86.82 To 9999. %

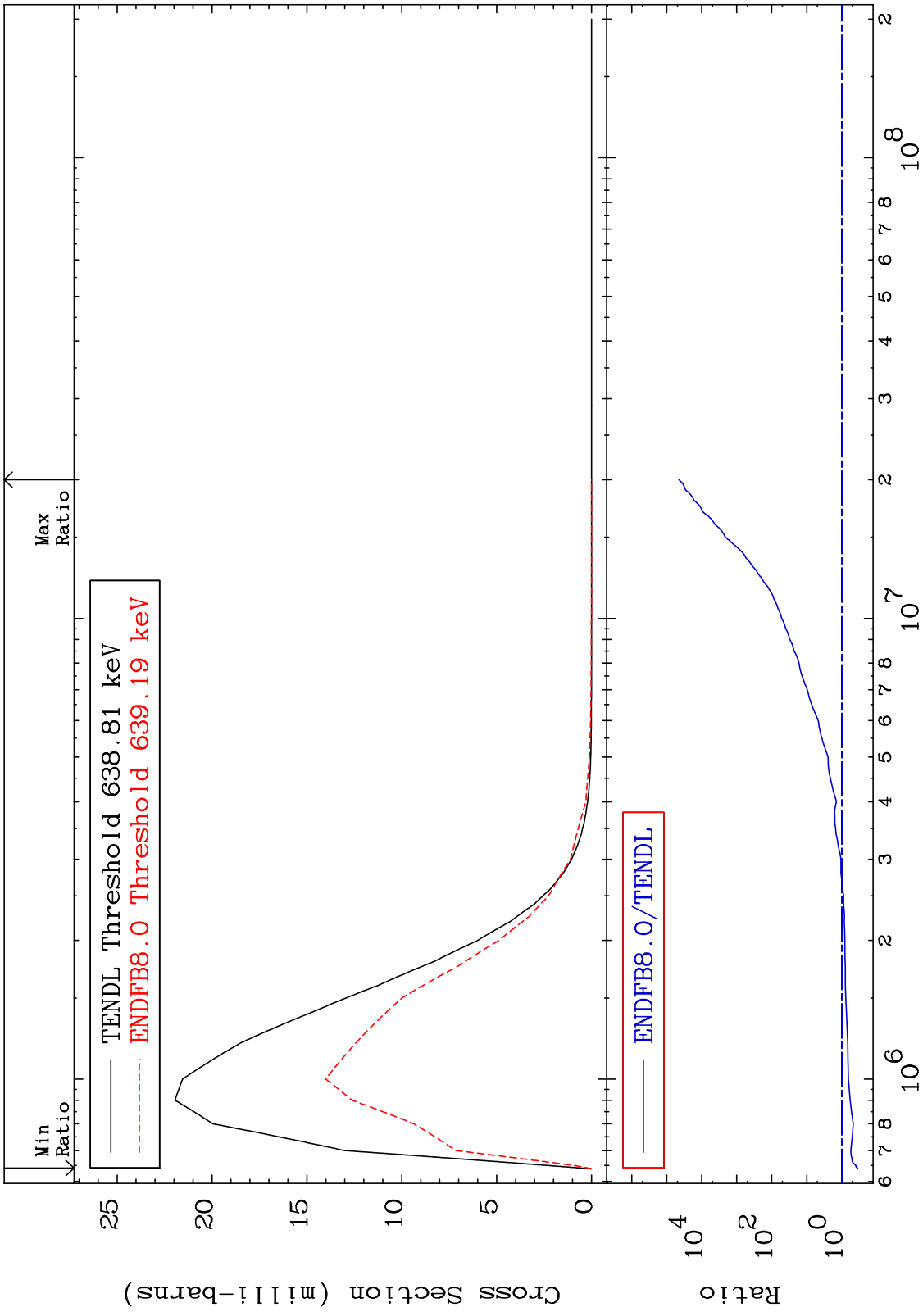


30

Incident Energy (eV)

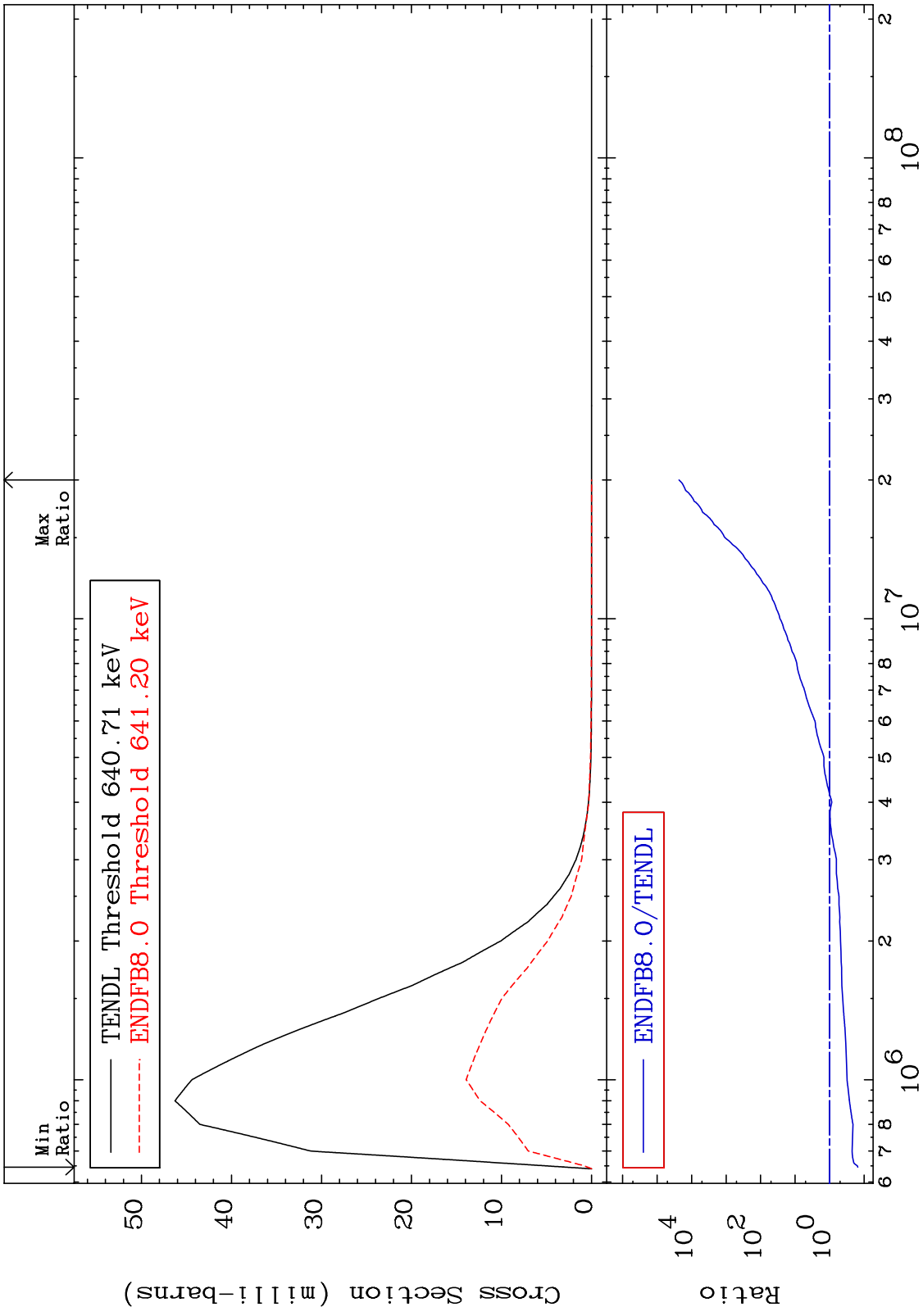
63-Eu-153

MAT 6331 MT= 74 (n,n') Level Cross Section 63-Eu-153  
 -65.35 To 9999. %

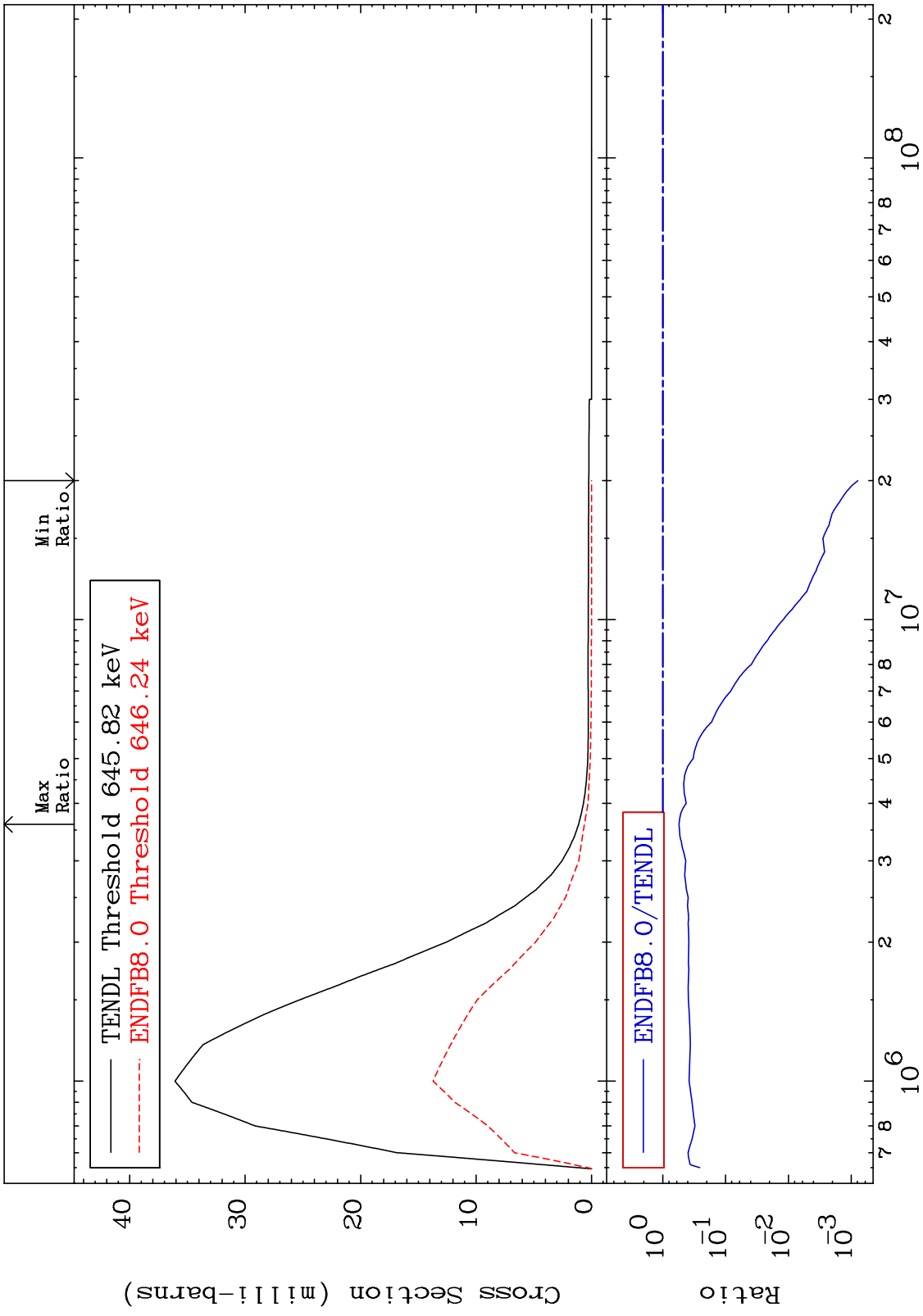




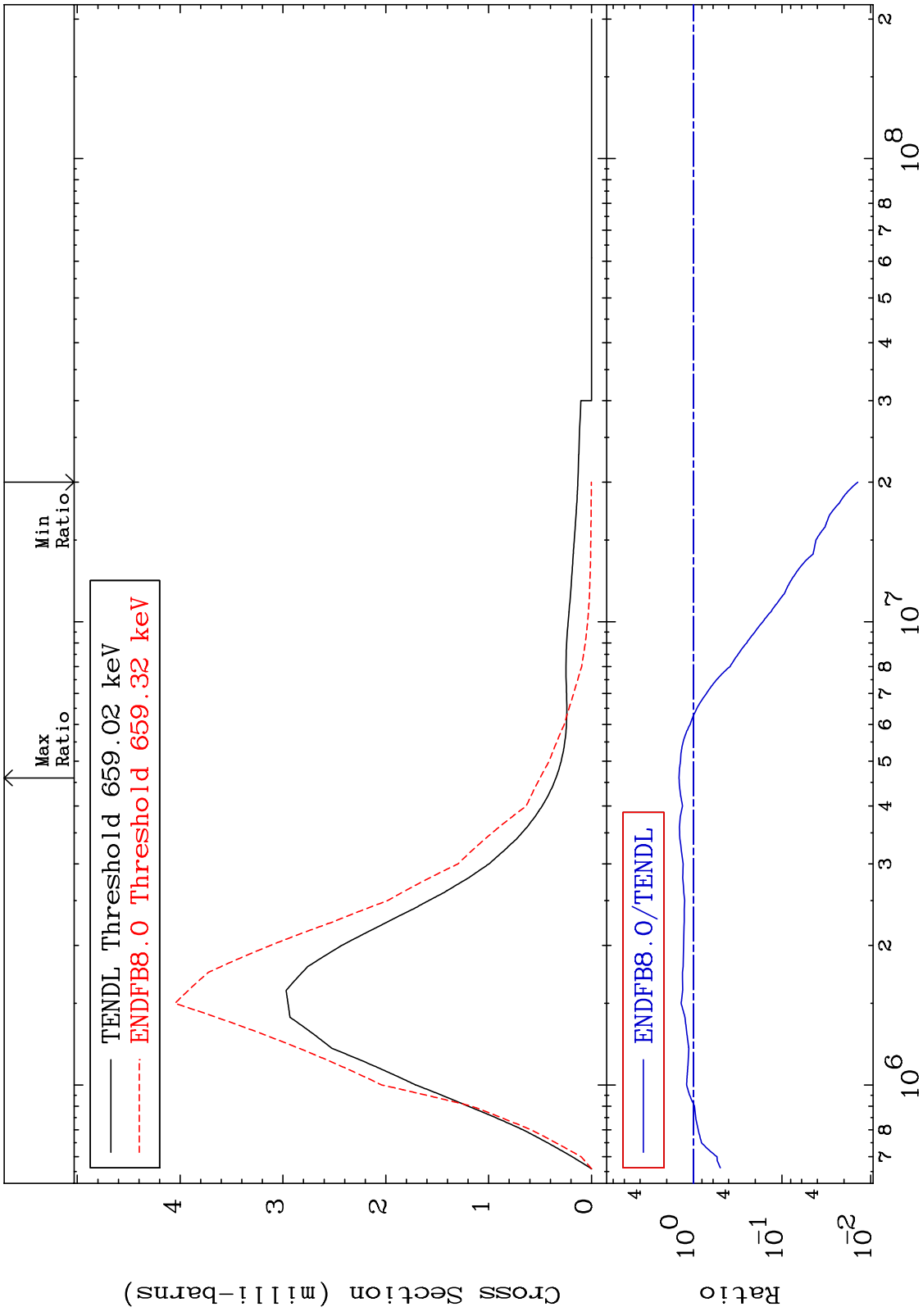
MAT 6331      MT= 75 (n,n') Level Cross Section      63-Eu-153  
 -84.73 To 9999. %



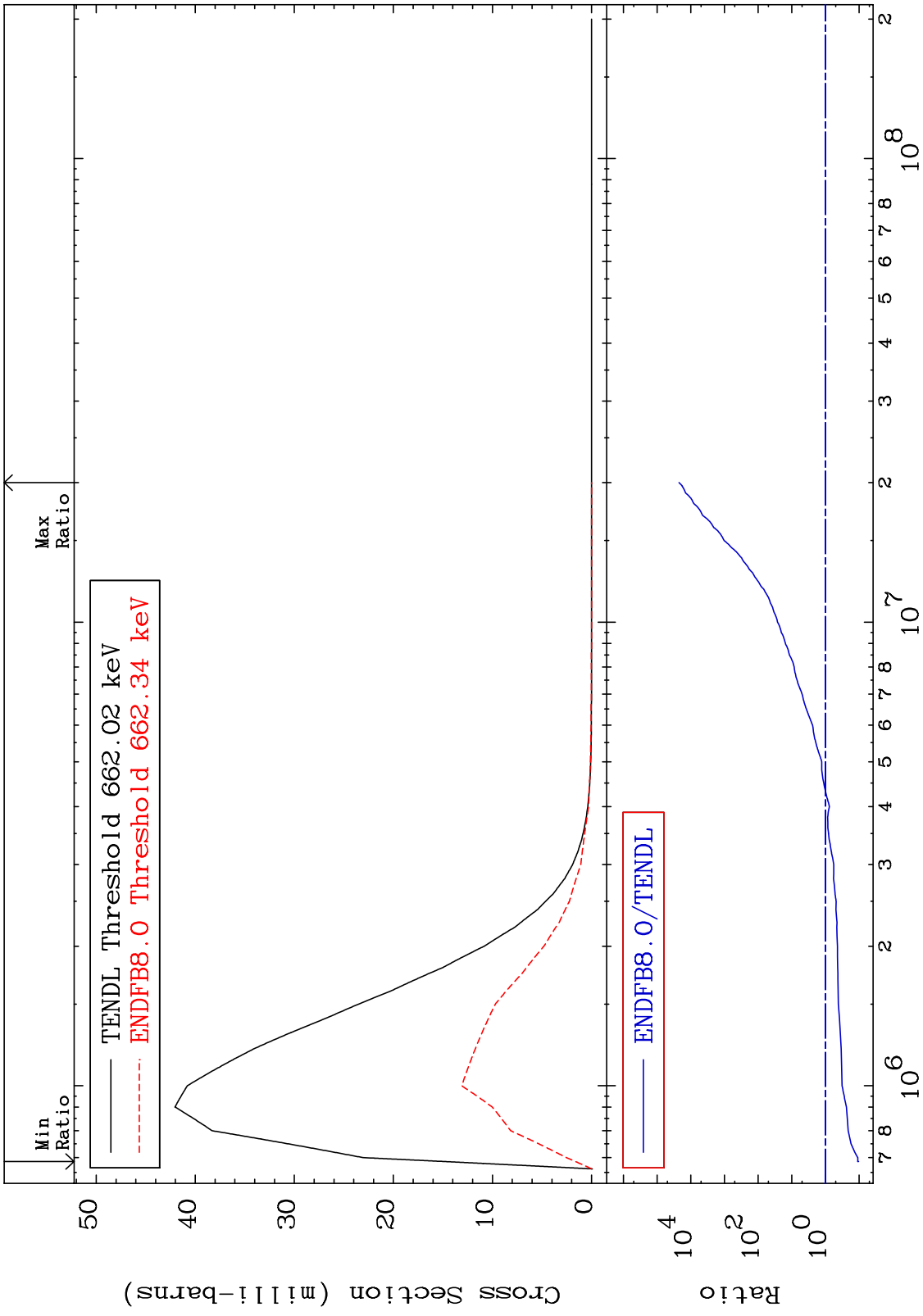
MAT 6331 MT= 76 (n,n') Level Cross Section 63-Eu-153 -99.92 To -44.97%



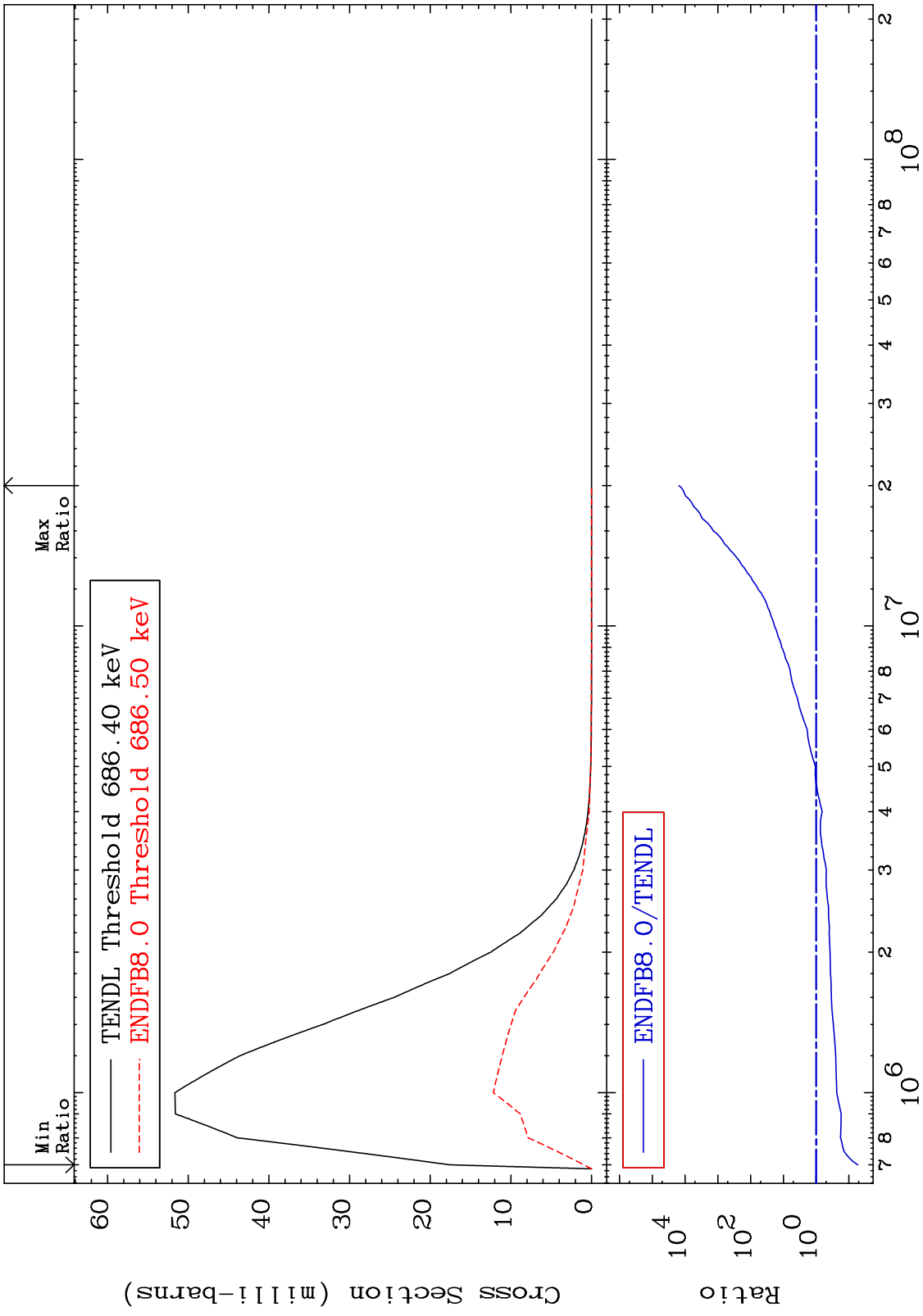
MAT 6331 MT= 77 (n,n') Level Cross Section 63-Eu-153 -98.60 To 45.01 %



MAT 6331 MT= 78 (n,n') Level Cross Section 63-Eu-153  
 -89.05 To 9999. %



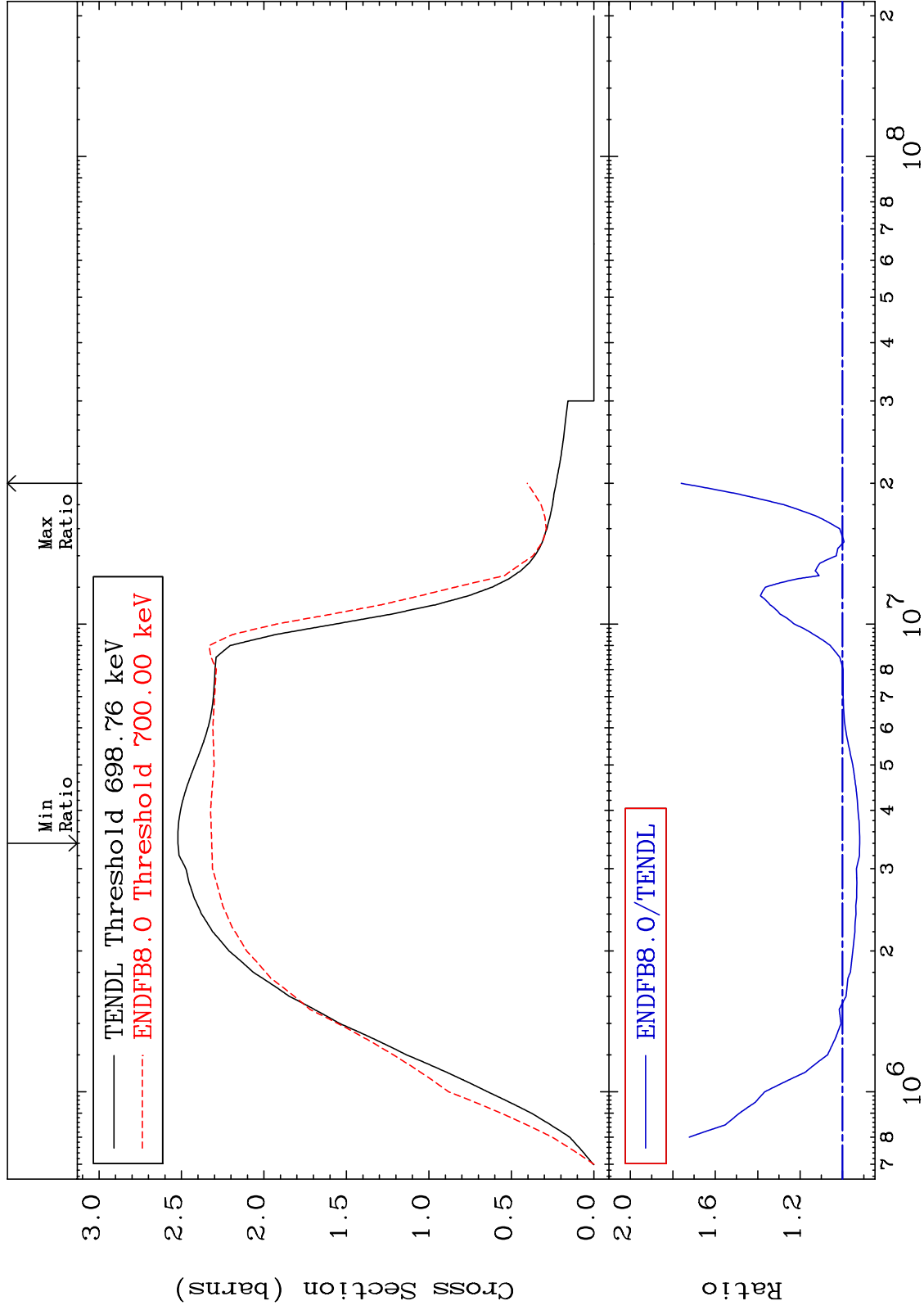
MAT 6331 MT= 79 (n,n') Level Cross Section 63-Eu-153  
 -94.66 To 9999. %



MAT 6331

(n, n') Continuum  
Cross Section

63-Eu-153  
-8.119 To 76.03 %



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Incident Energy (eV)

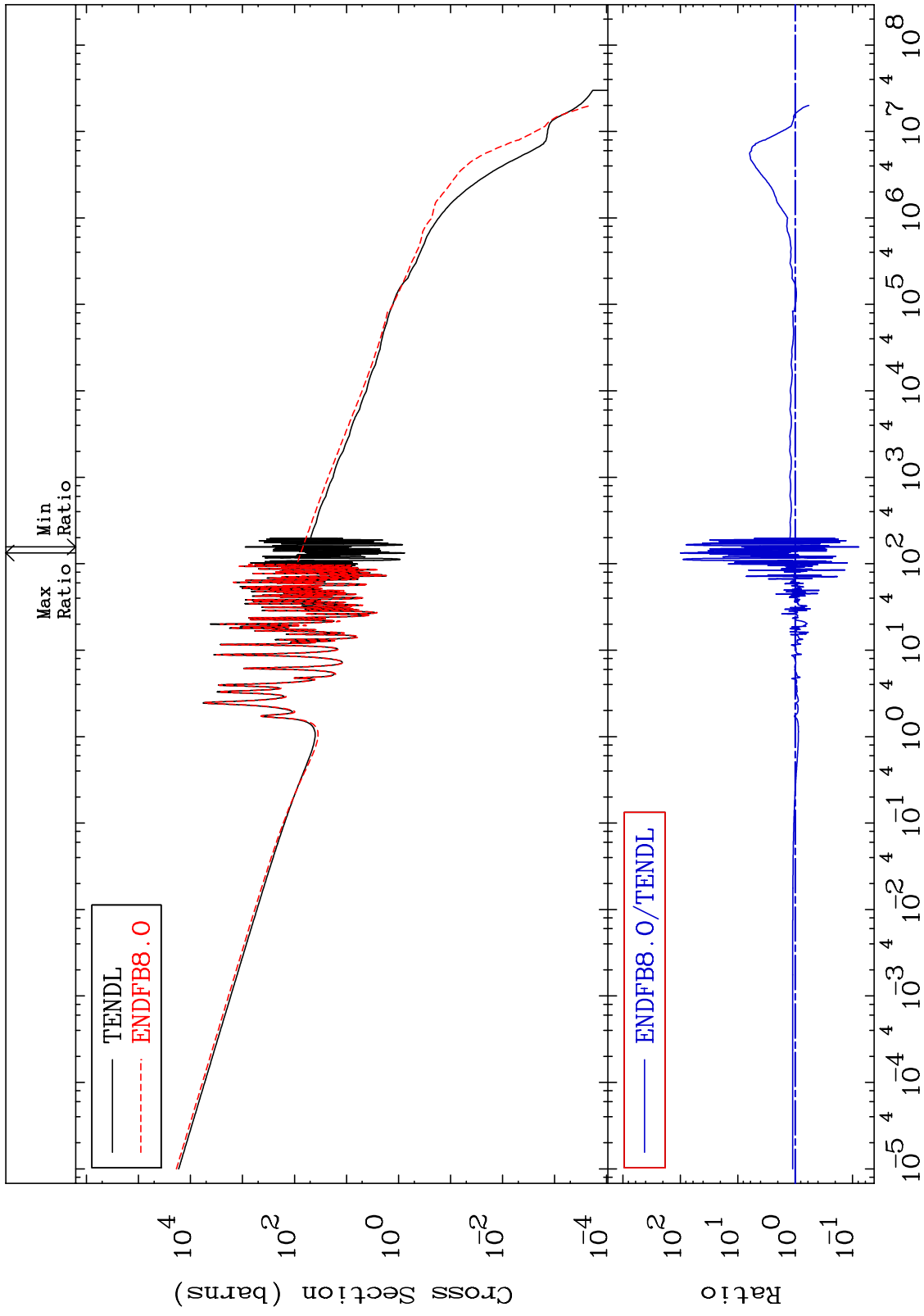
63-Eu-153

MAT 6331

(n,  $\gamma$ )  
Cross Section

63-Eu-153

-92.22 To 9923. %



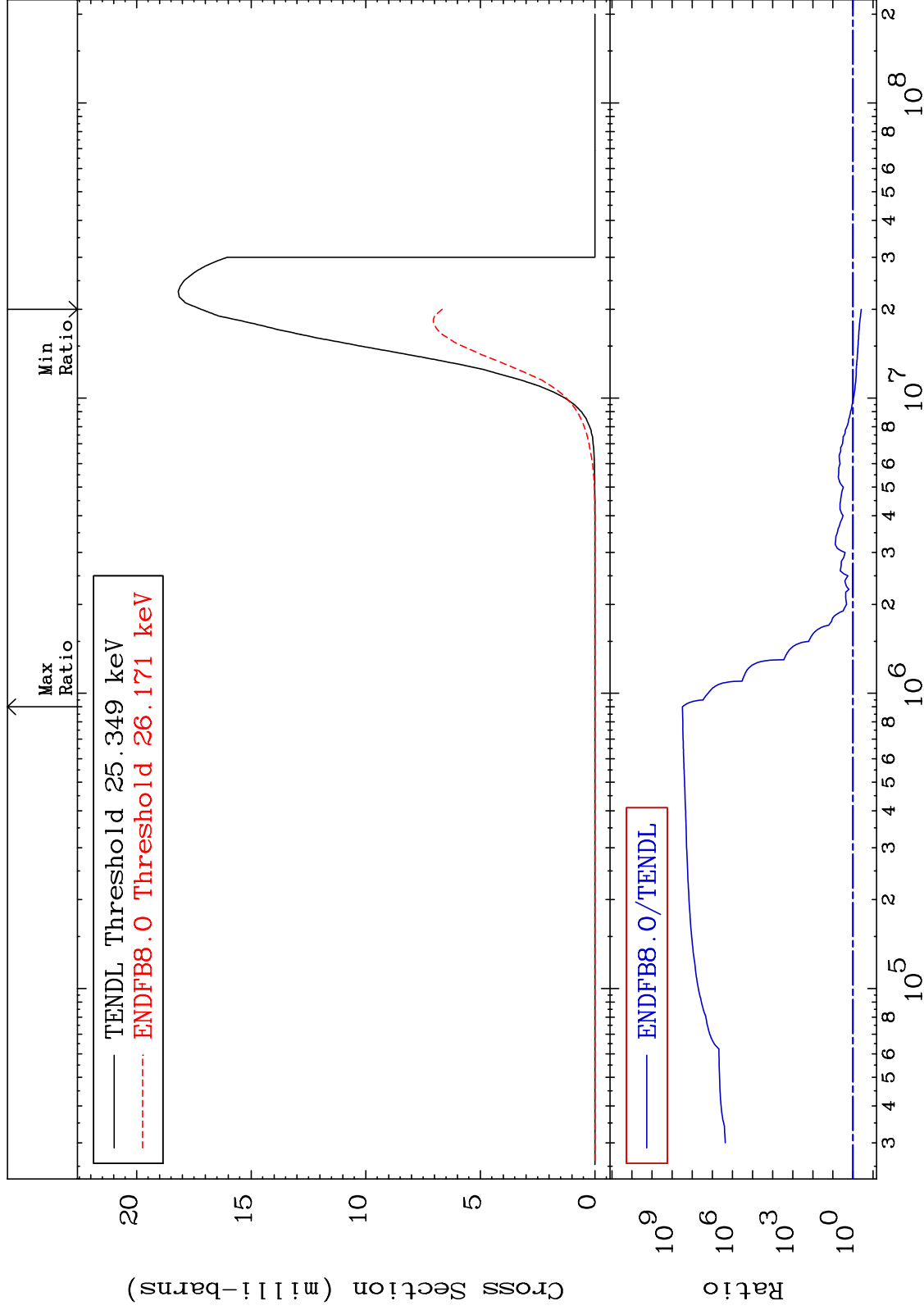
MAT 6331

(n,p)

63-Eu-153

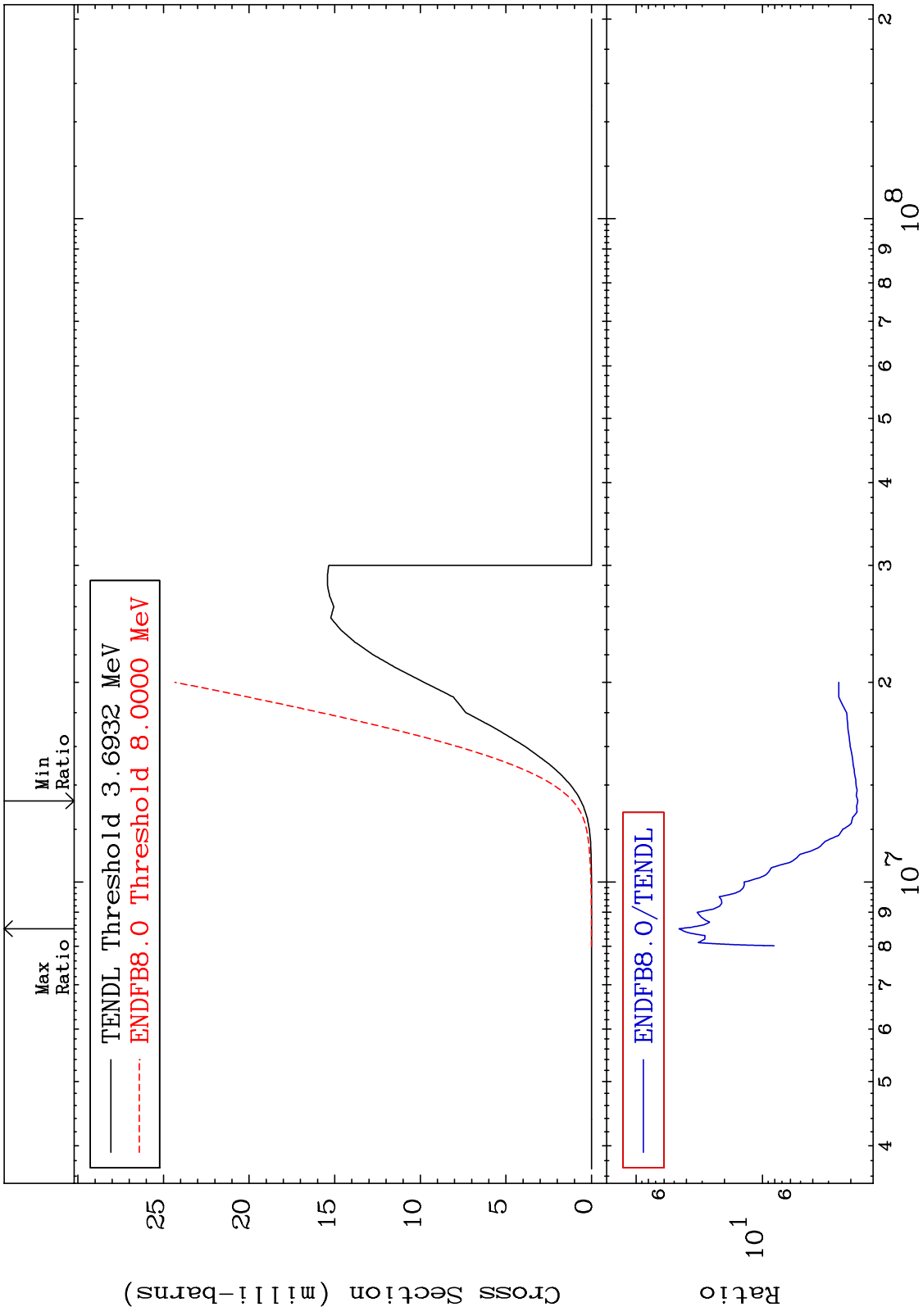
Cross Section

-61.22 To 9999. %



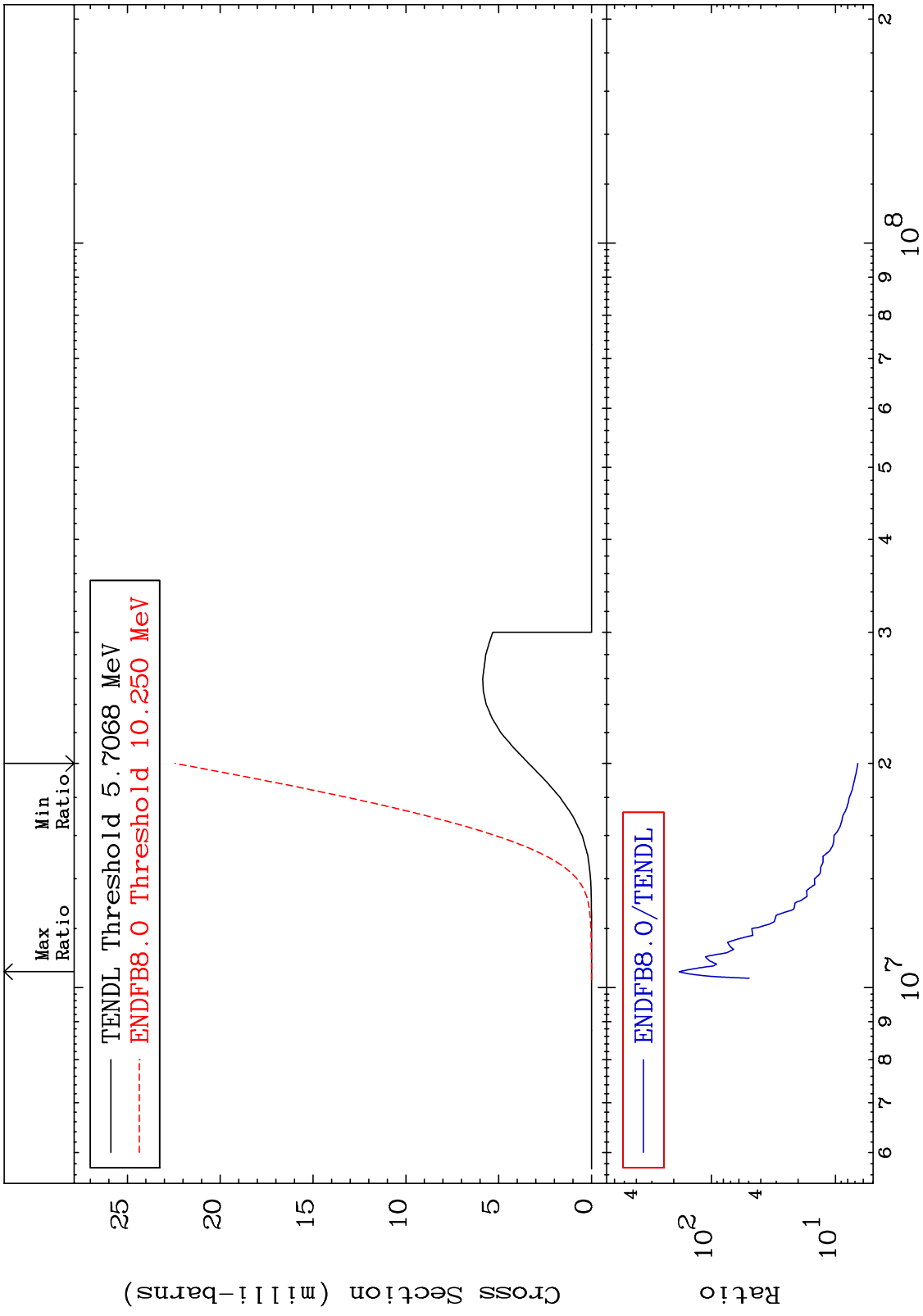


MAT 6331 (n,d) Cross Section 63-Eu-153 To 4469. %  
75.60



40 63-Eu-153

MAT 6331 (n,t) 63-Eu-153  
 Cross Section 562.3 To 9999. %



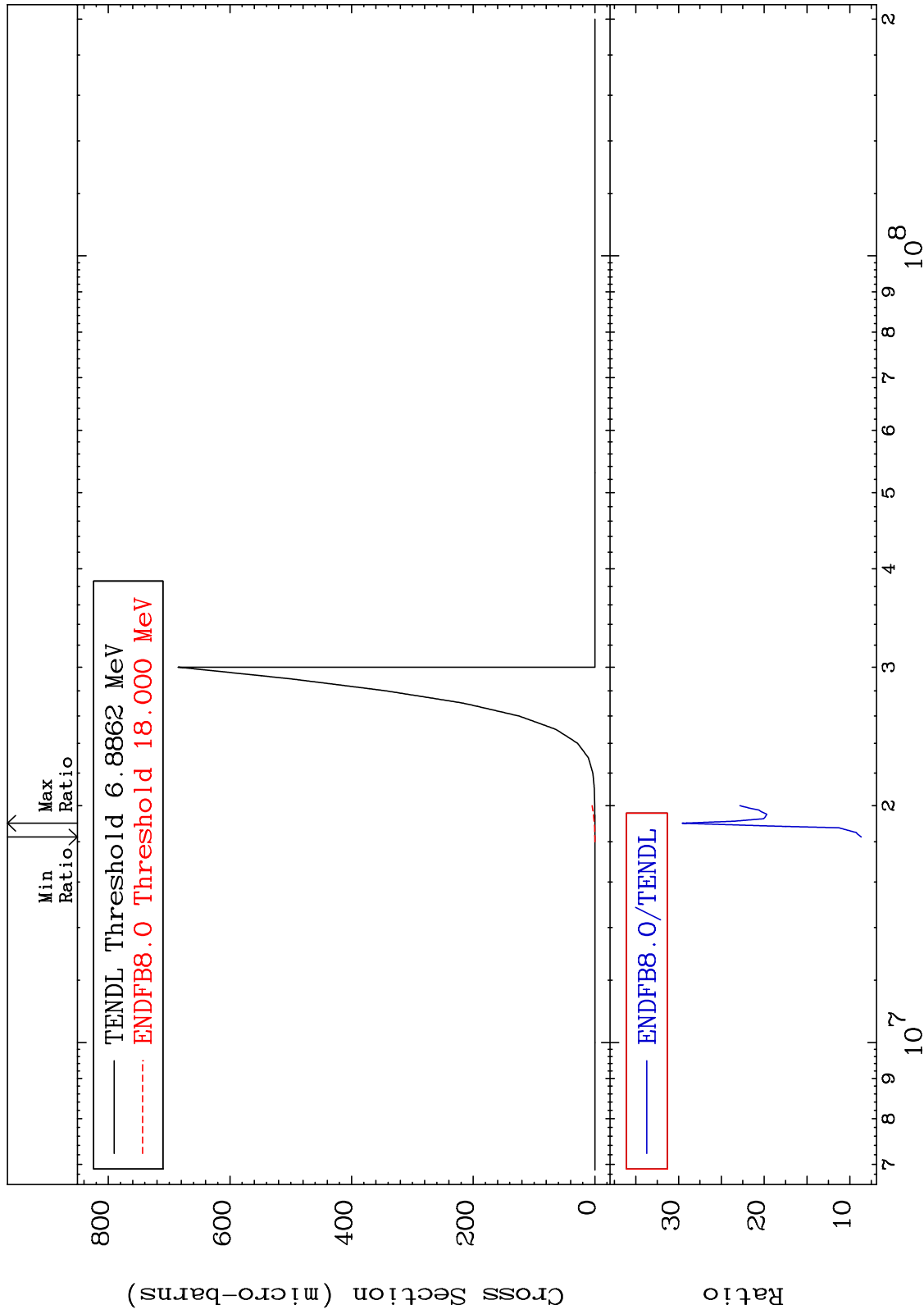
MAT 6331

(n, He-3)

63-Eu-153

766.9 To 2855. %

Cross Section



42

Incident Energy (eV)

63-Eu-153

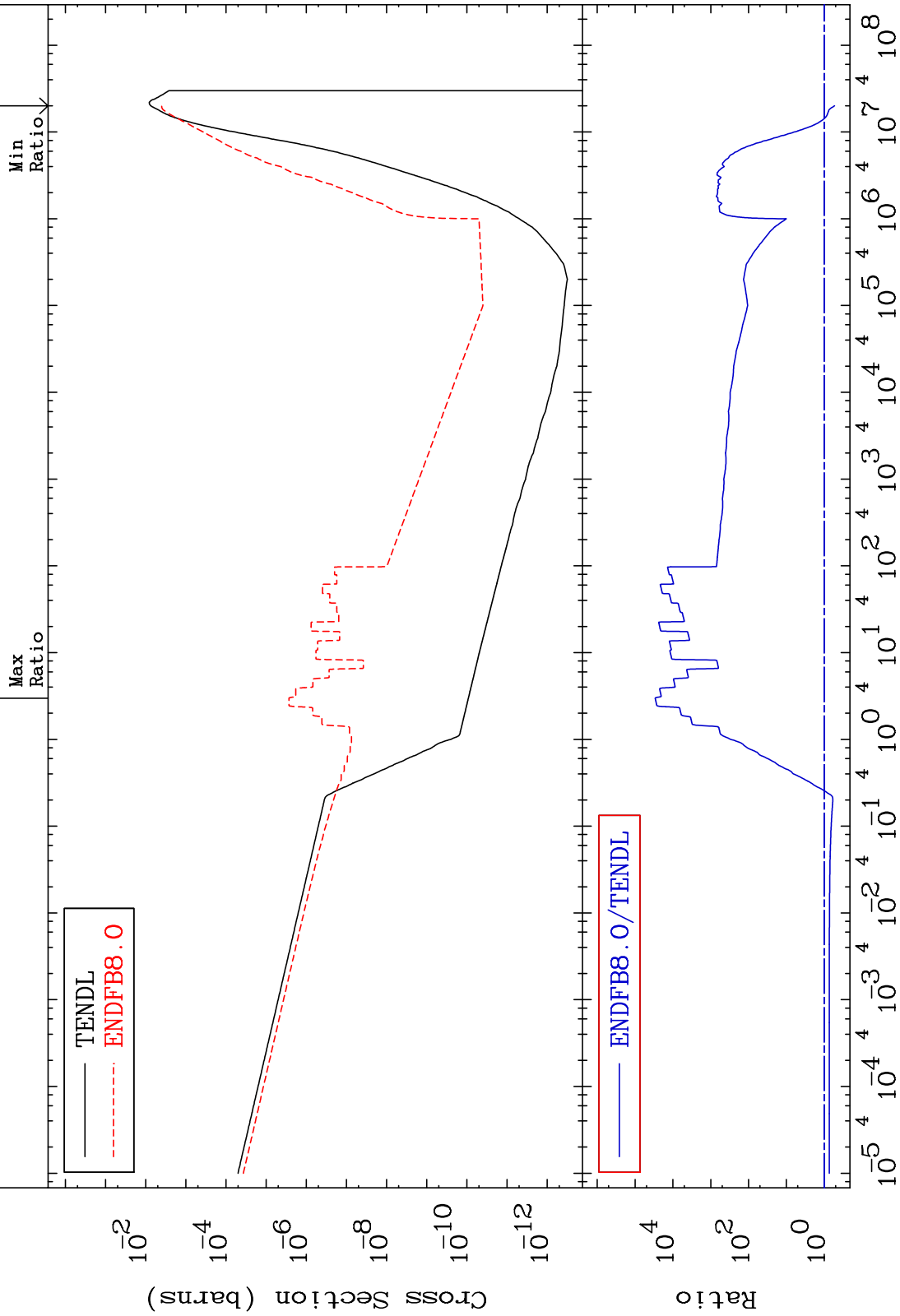
MAT 6331

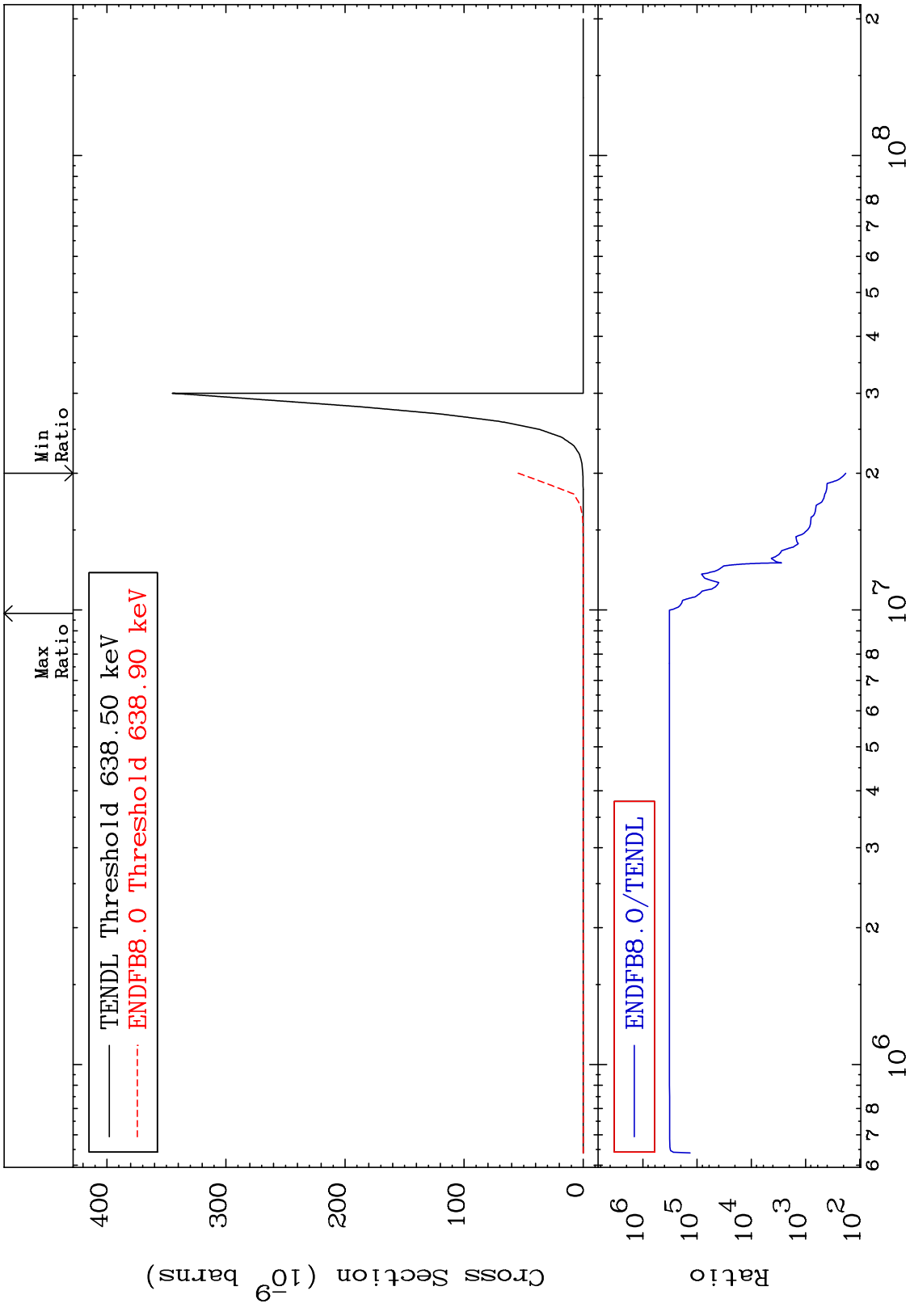
(n,  $\alpha$ )

63-Eu-153

-46.92 To 9999. %

Cross Section

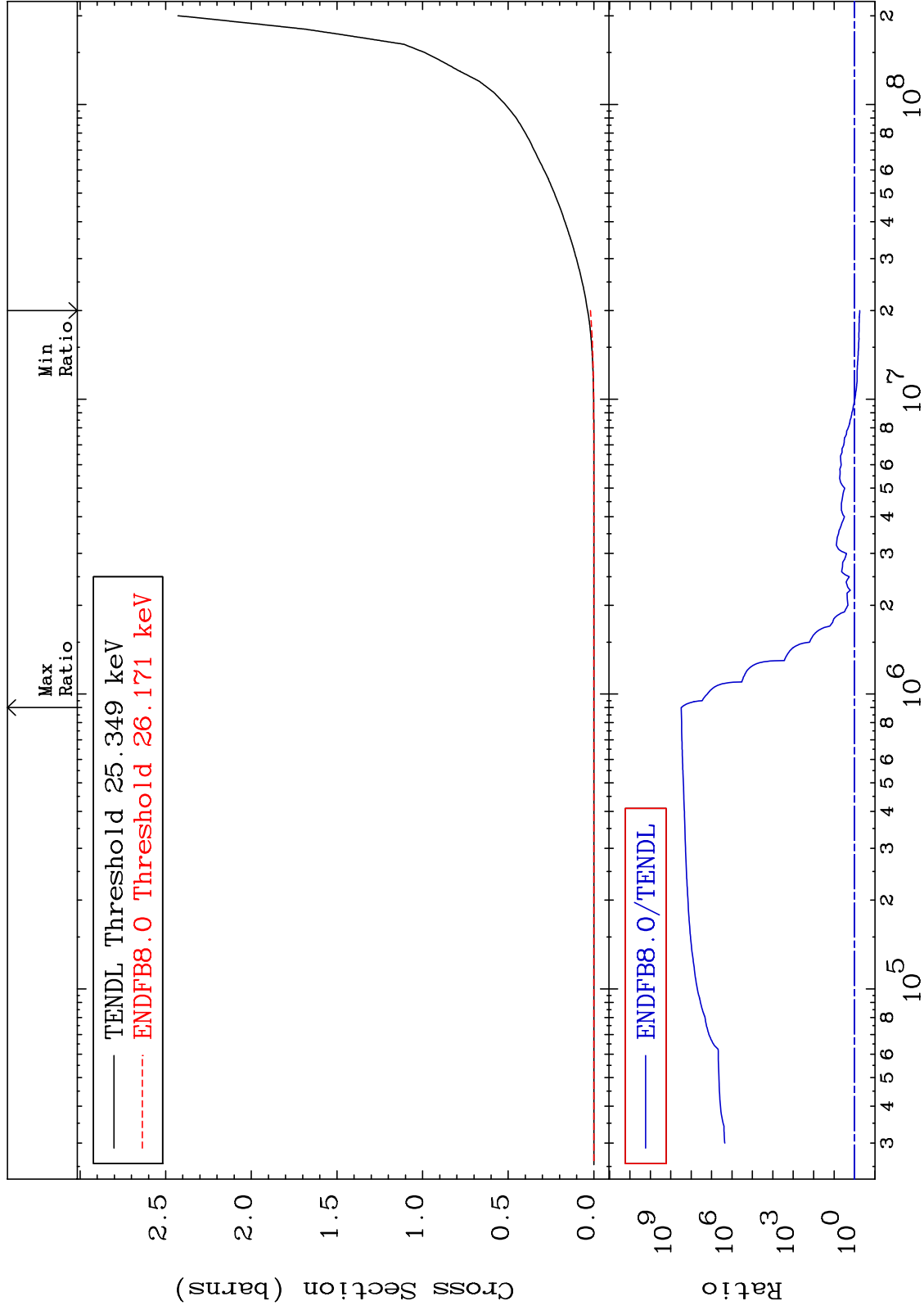




MAT 6331

Hydrogen Production  
Cross Section

63-Eu-153  
-44.76 To 9999. %



45

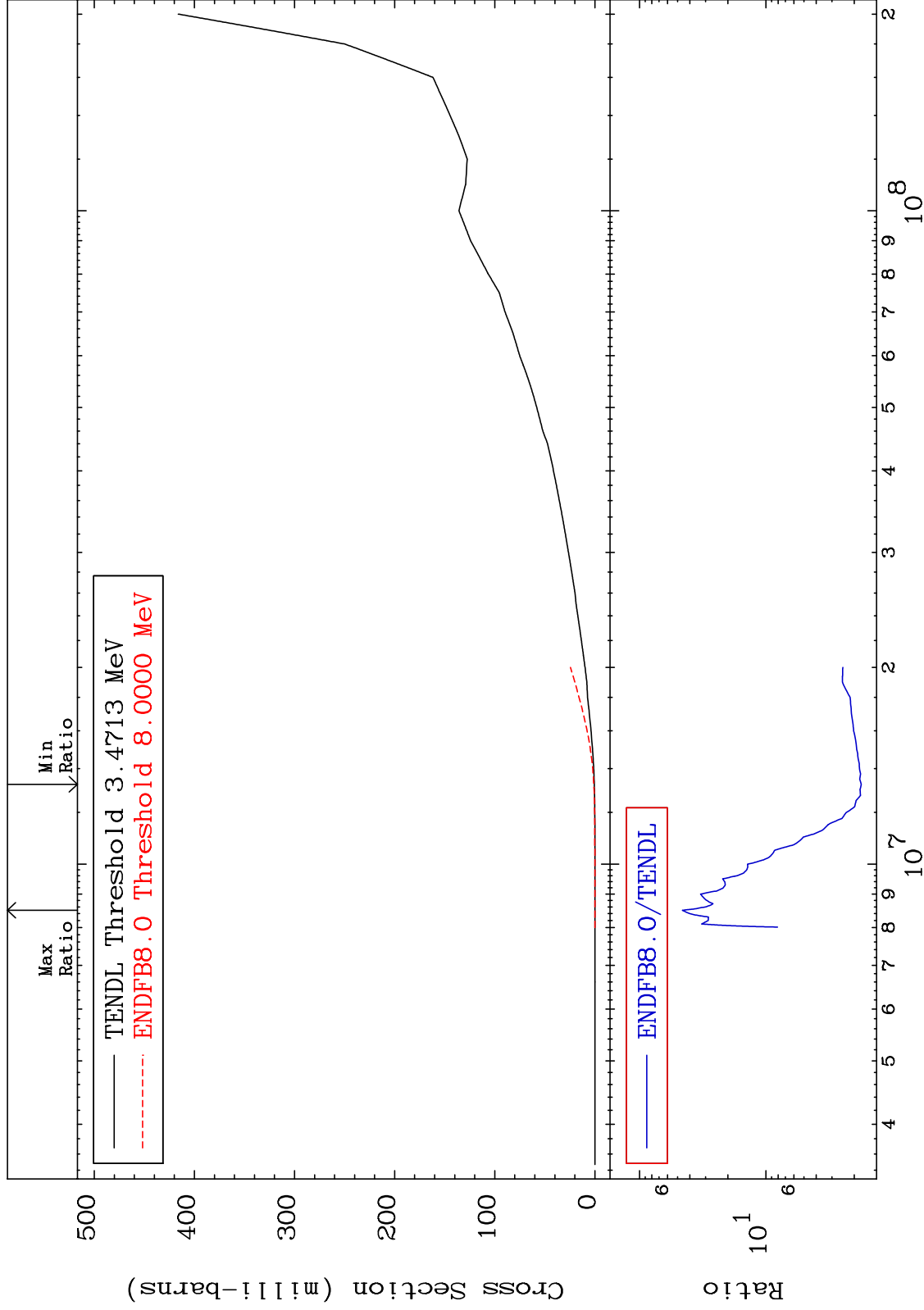
Incident Energy (eV)

63-Eu-153

MAT 6331

Deuterium Production  
Cross Section

<sup>63</sup>-Eu-153  
75.60 To 4469. %



46

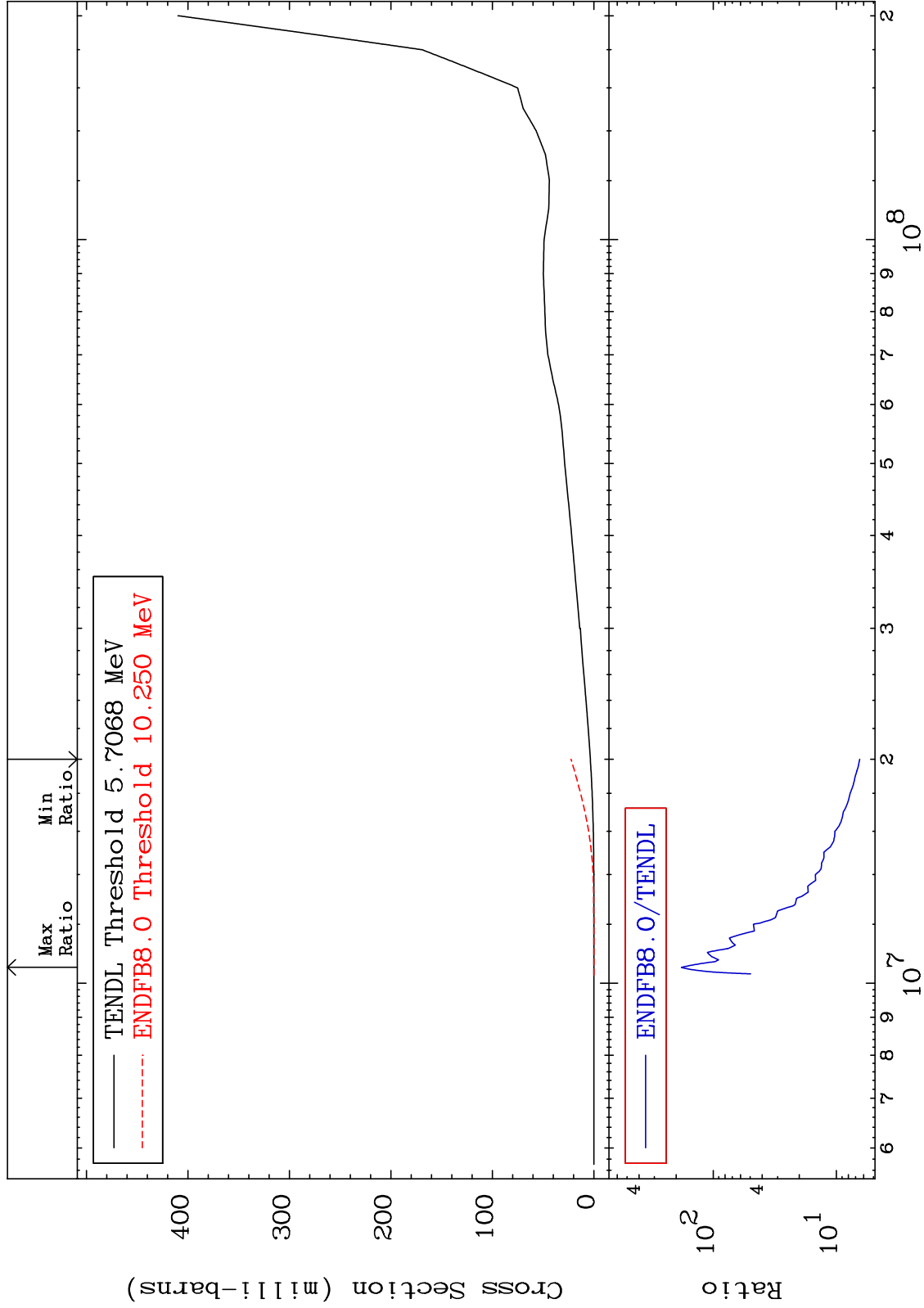
Incident Energy (eV)

<sup>63</sup>-Eu-153

MAT 6331

Tritium Production  
Cross Section

63-Eu-153  
546.0 To 9999. %



47

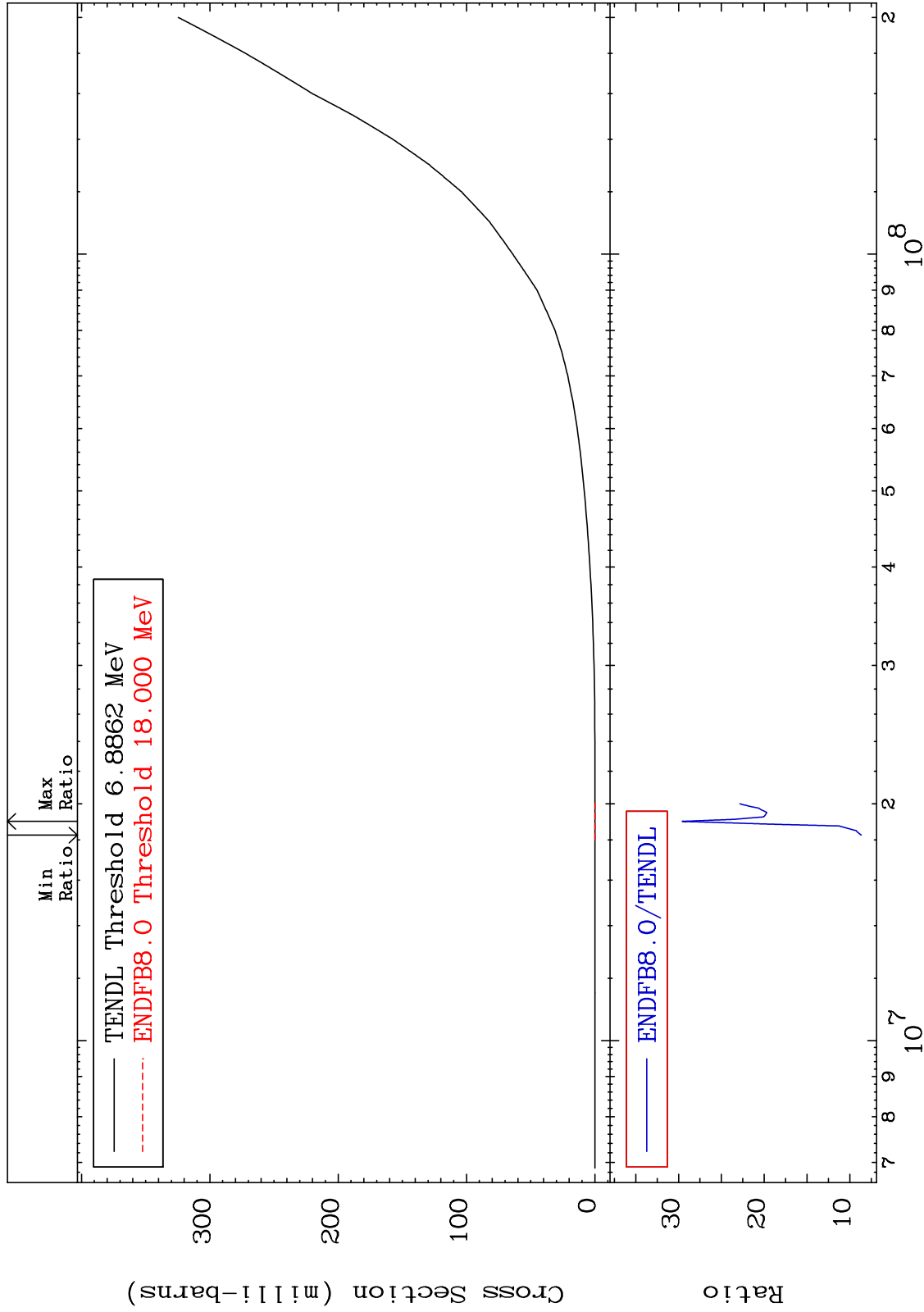
63-Eu-153



MAT 6331

He-3 Production  
Cross Section

63-Eu-153  
766.9 To 2855. %



48

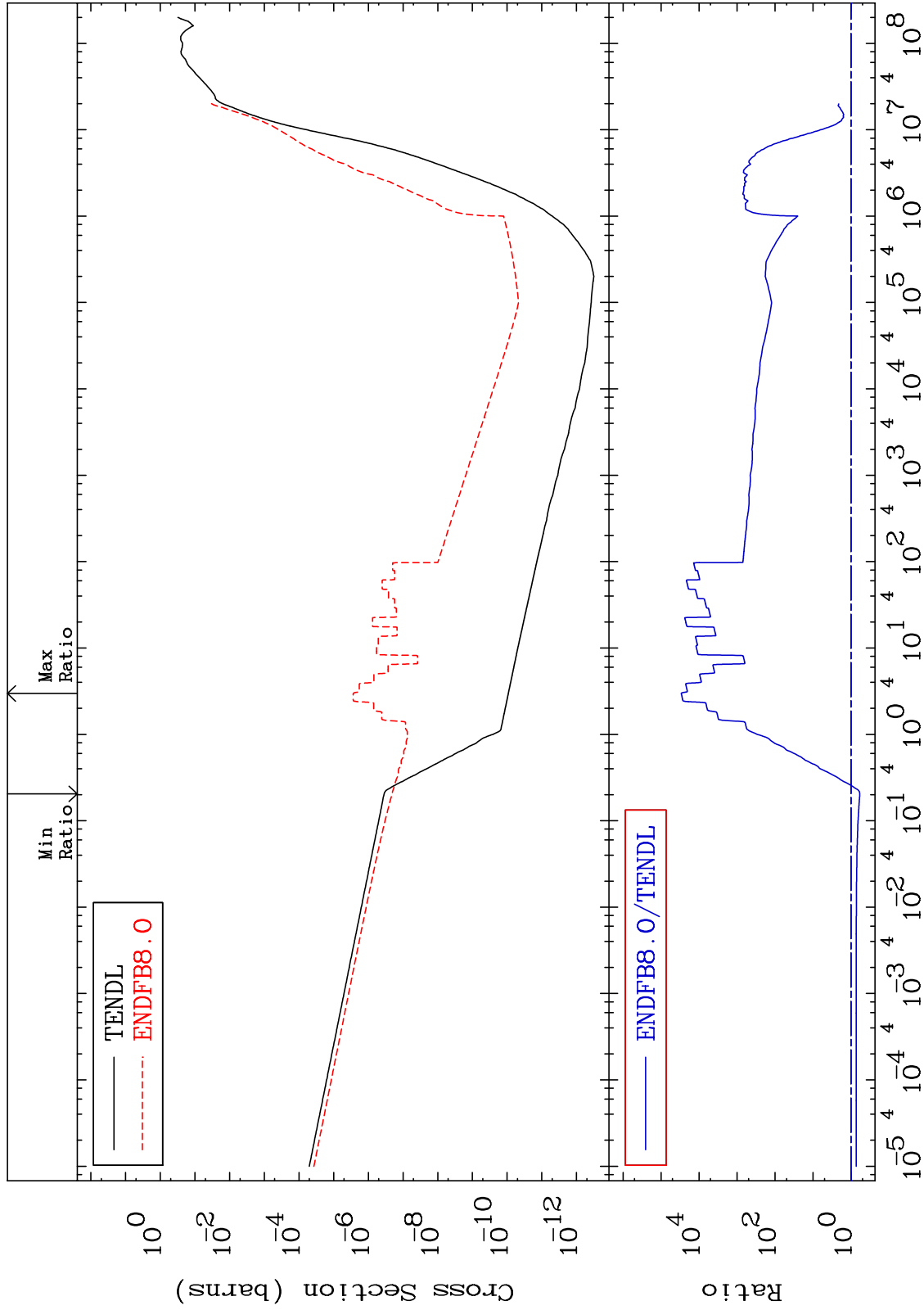
Incident Energy (eV)

63-Eu-153

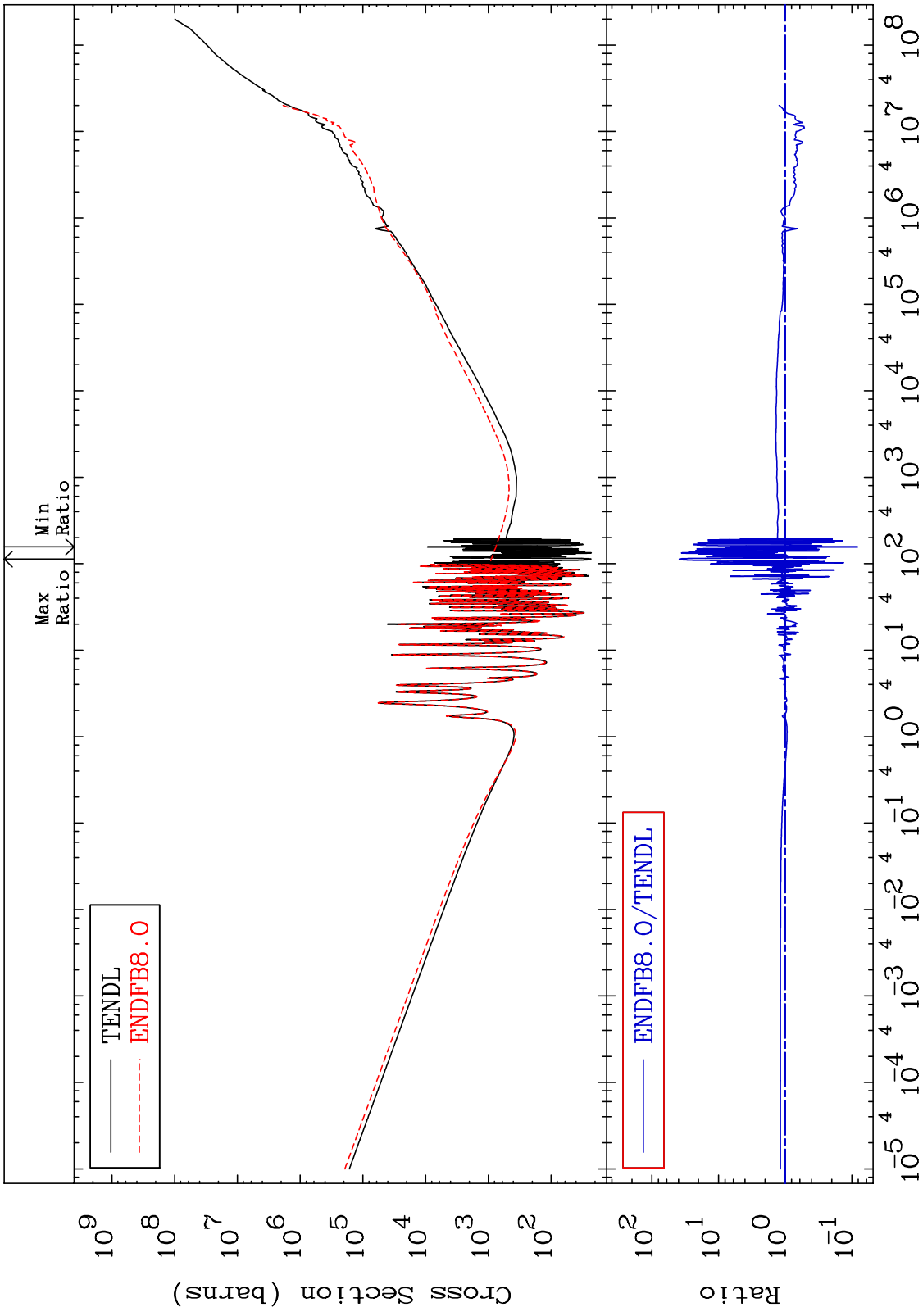
MAT 6331

He-4 Production  
Cross Section

63-Eu-153  
-40.92 To 9999. %



MAT 6331      Kerma total (eV-barns)      63-Eu-153  
 Cross Section      -91.89 To 3817. %

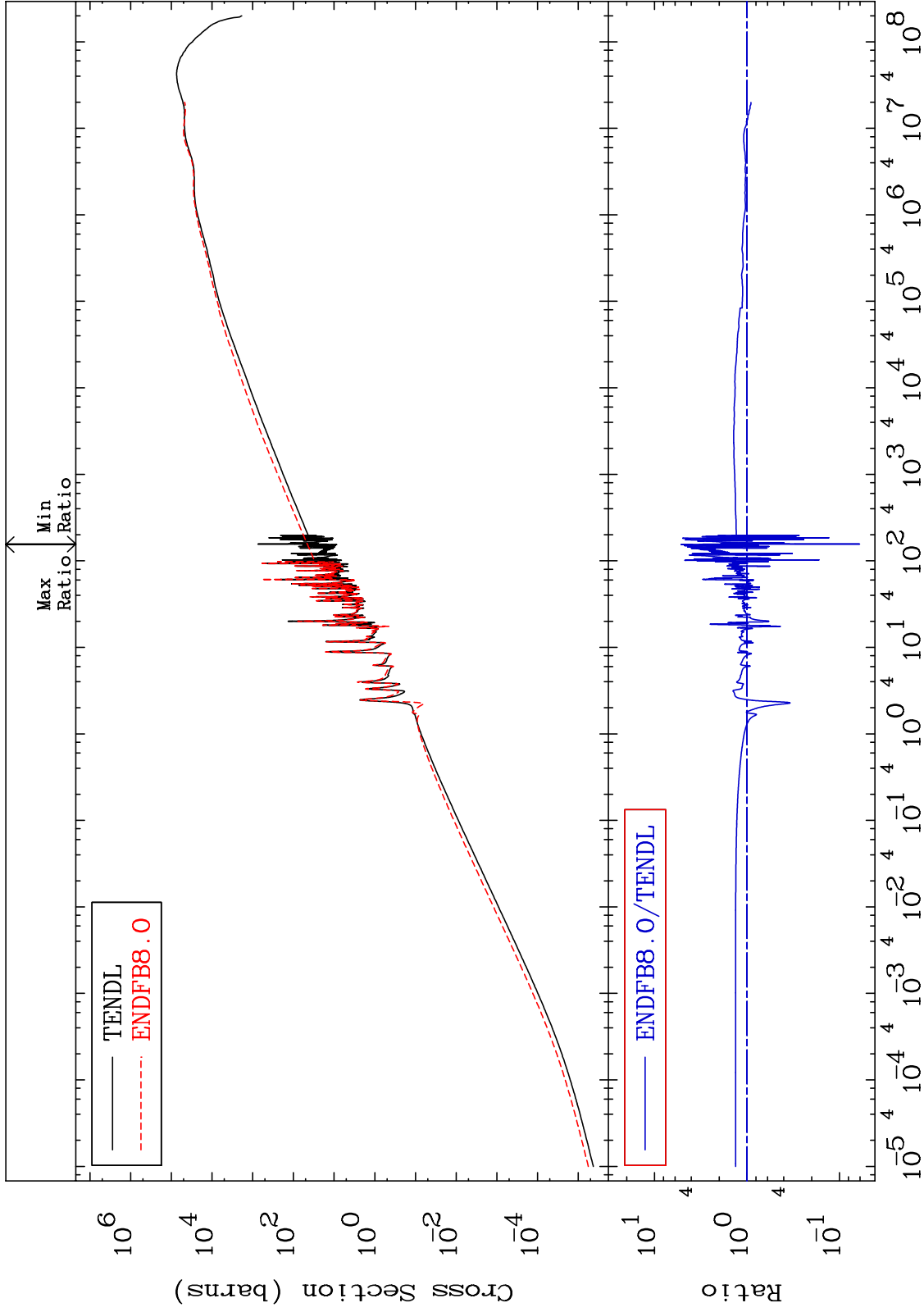


50      Incident Energy (eV)      63-Eu-153

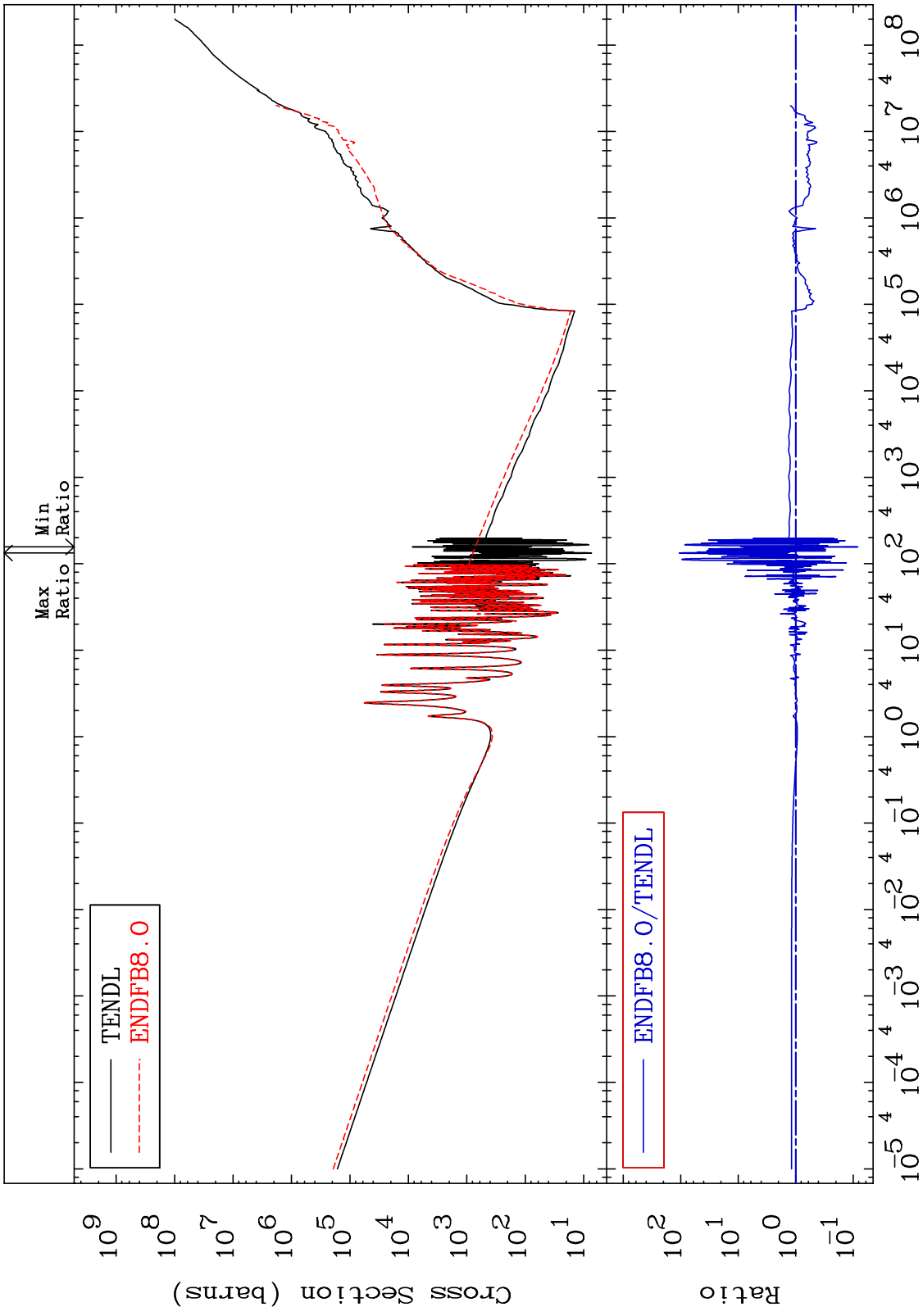
MAT 6331

Kerma elastic  
Cross Section

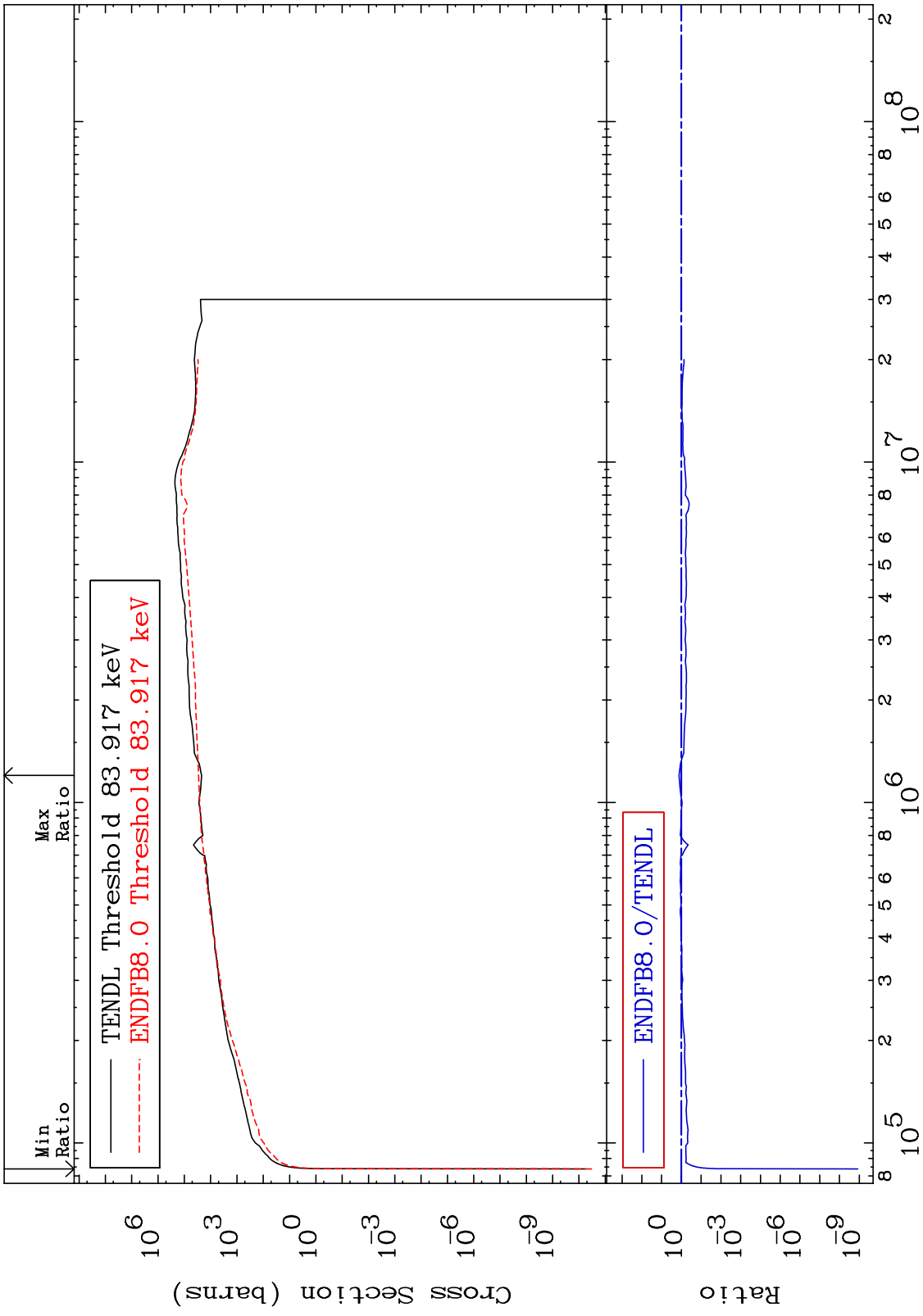
63-Eu-153  
-93.94 To 419.4 %



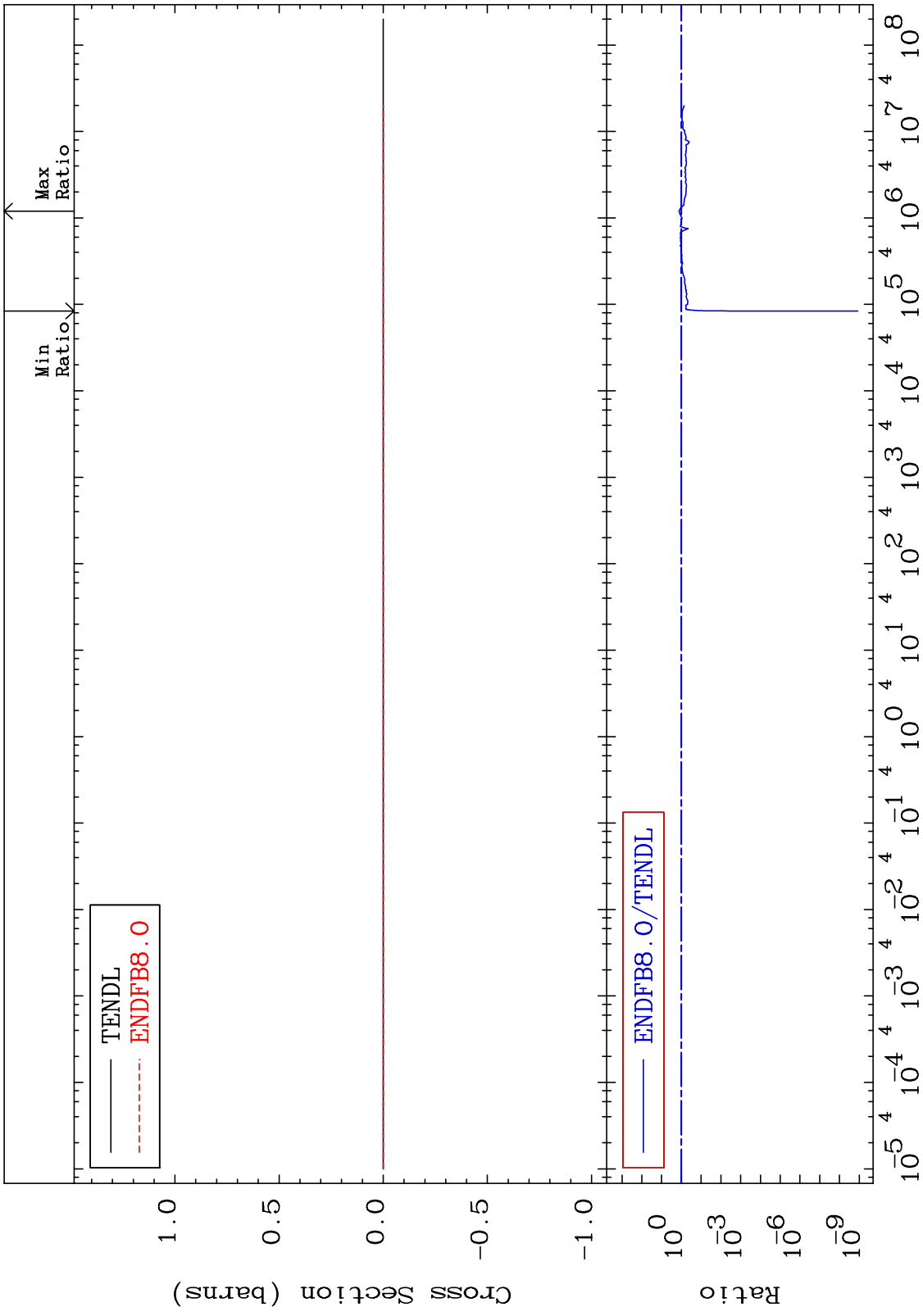
MAT 6331 Kerma non-elastic (all but mt2) 63-Eu-153  
 Cross Section -91.71 To 9999. %



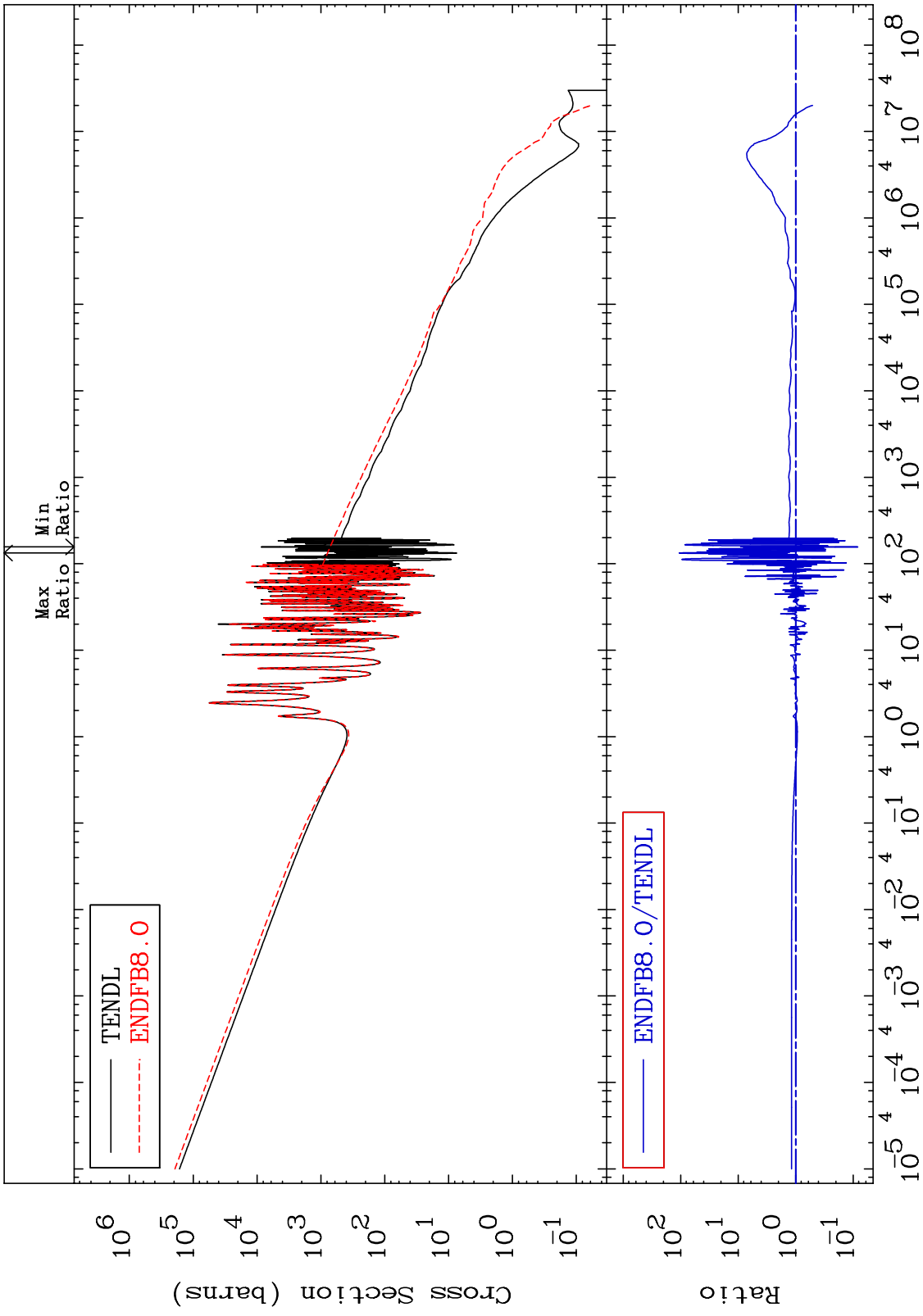
MAT 6331 Kerma inelastic (mt51-91) 63-Eu-153  
 Cross Section -100.0 To 30.85 %



MAT 6331 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-153  
 Cross Section -100.0 To 30.85 %



MAT 6331      Kerma capture (mt102)      63-Eu-153  
 Cross Section      -91.71 To 9999. %

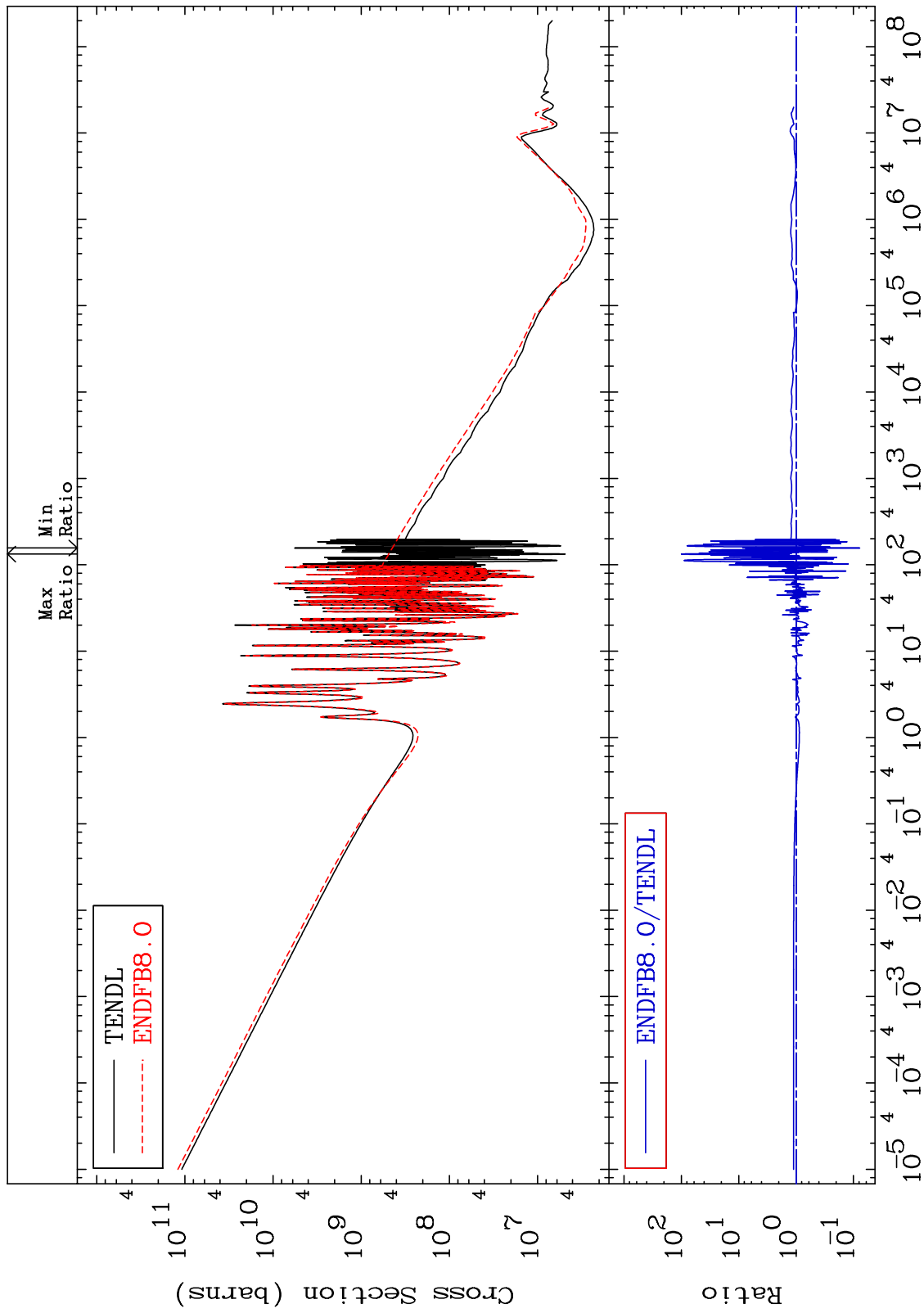




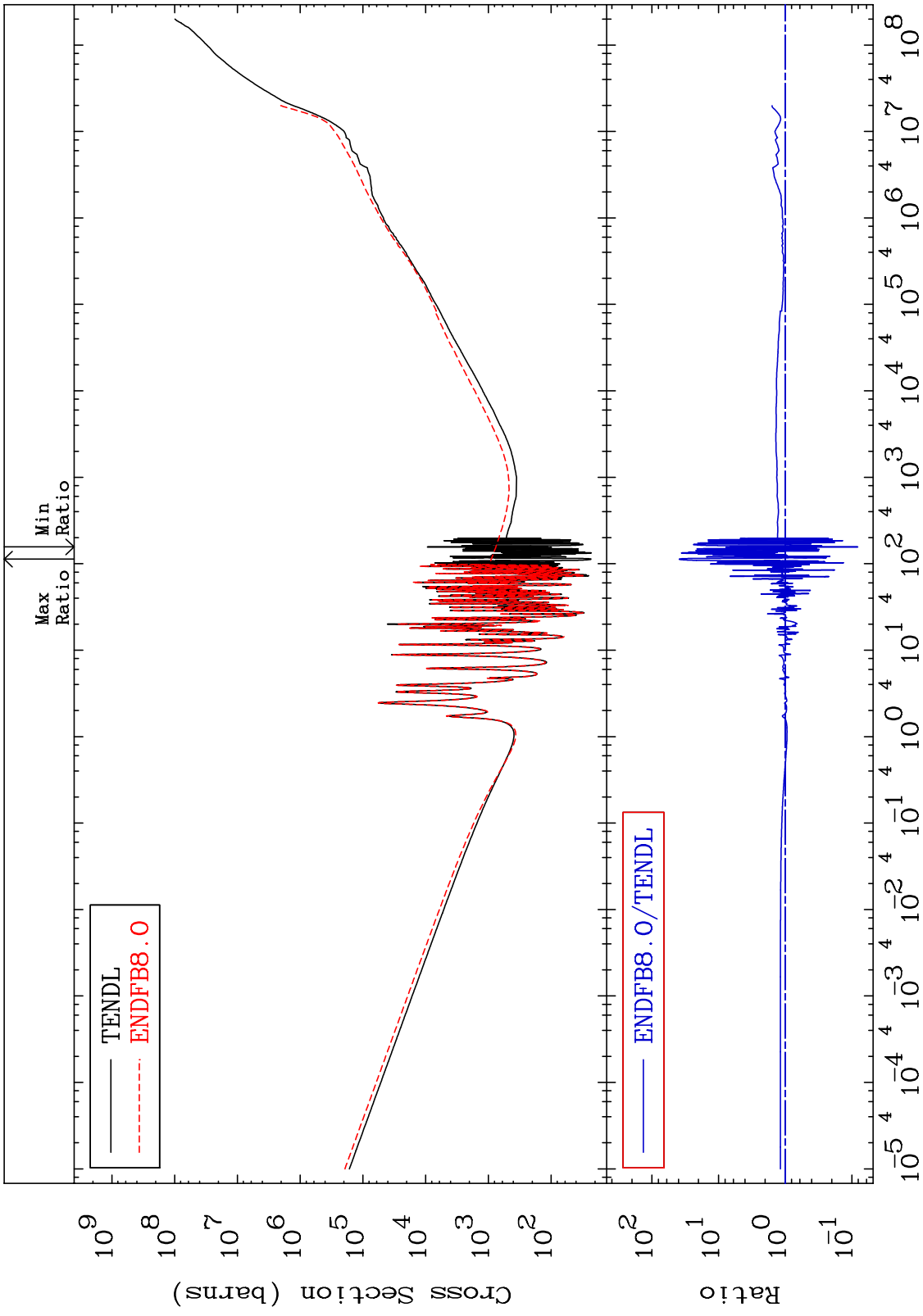
MAT 6331

Total photon (eV-barns)  
Cross Section

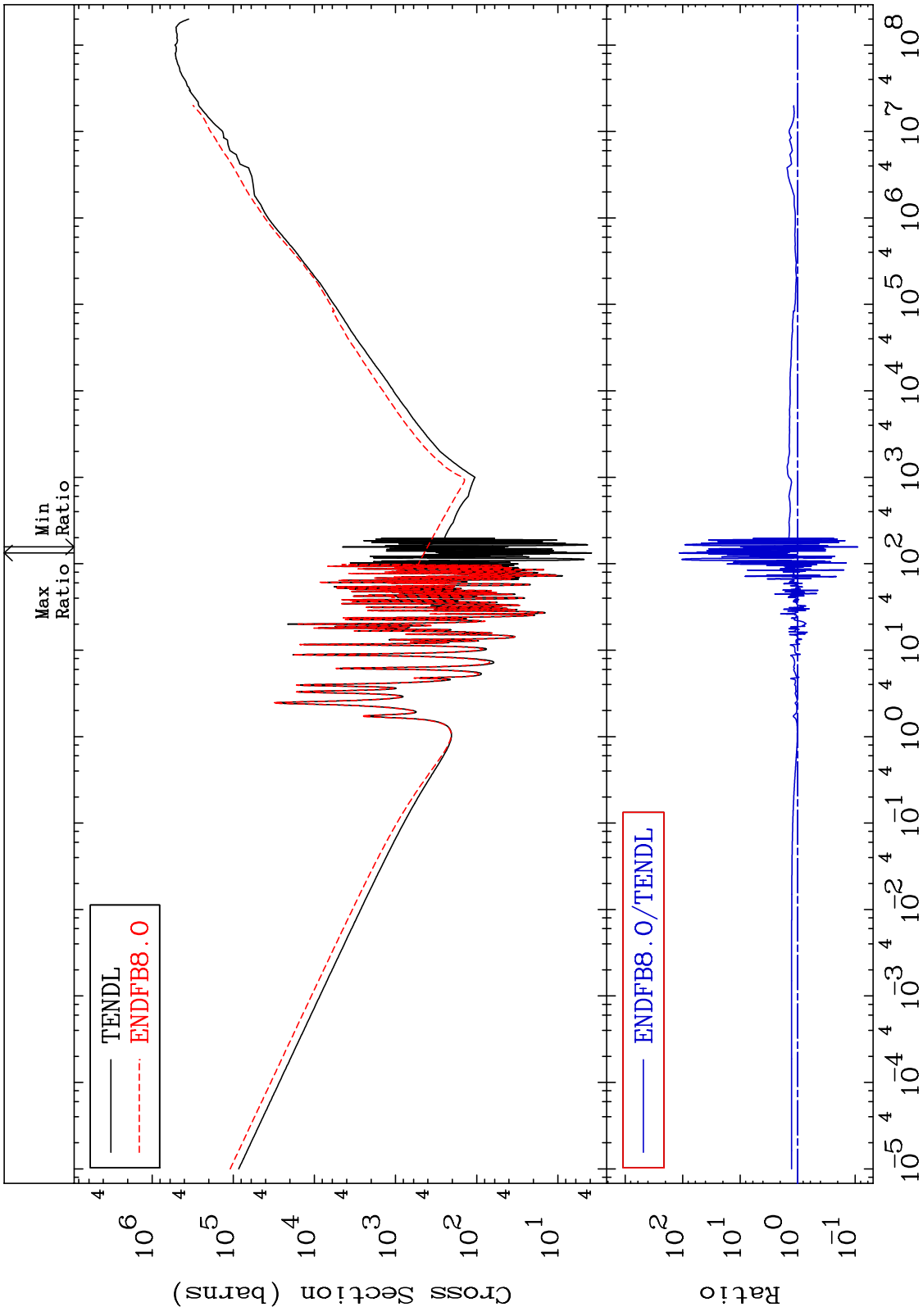
63-Eu-153  
-92.22 To 9923. %



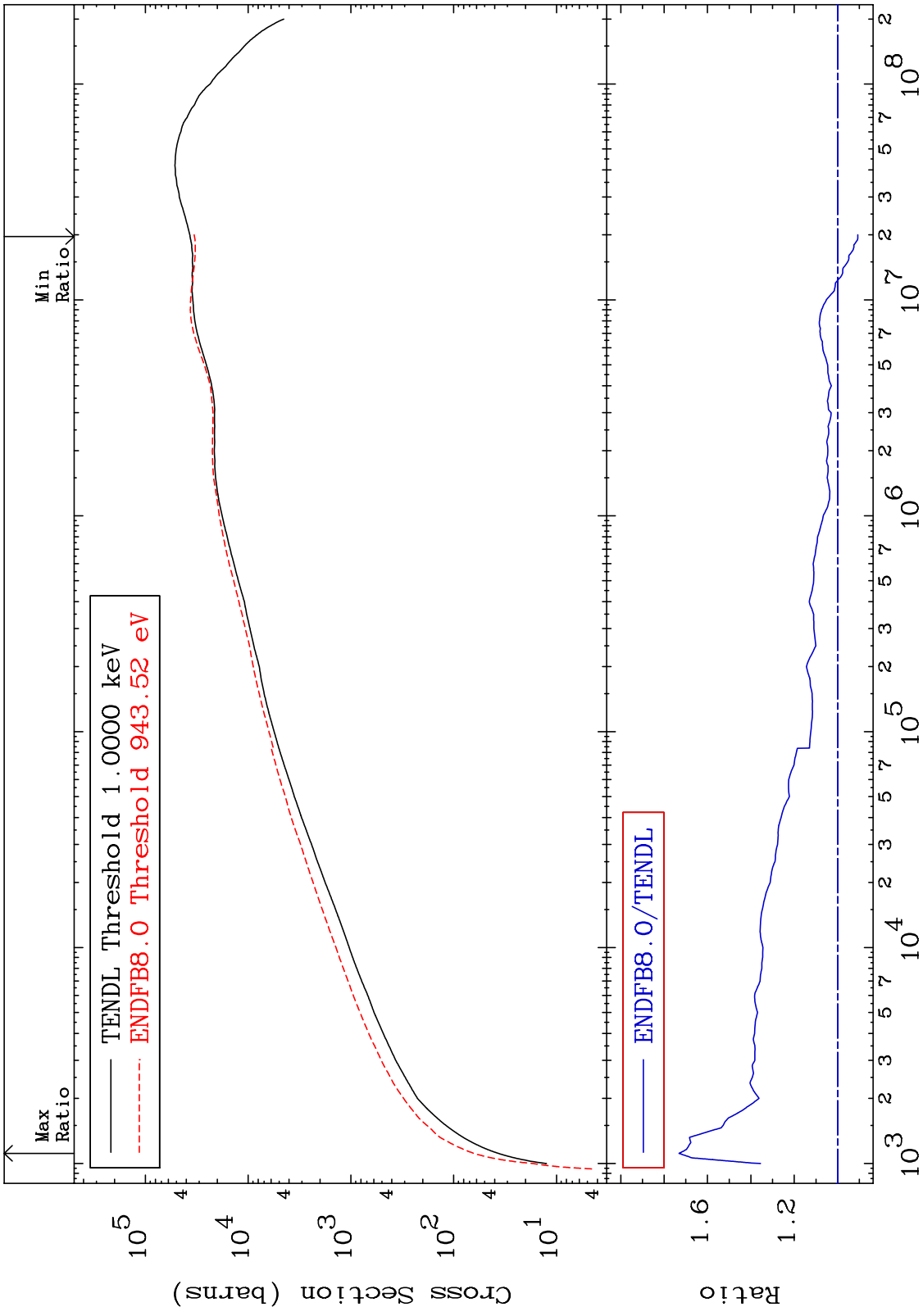
MAT 6331 Total kinematic kerma (high limit) 63-Eu-153  
 Cross Section -91.89 To 3817. %



MAT 6331      Dpa total (eV-barns)      63-Eu-153  
 Cross Section      -91.05 To 9999. %

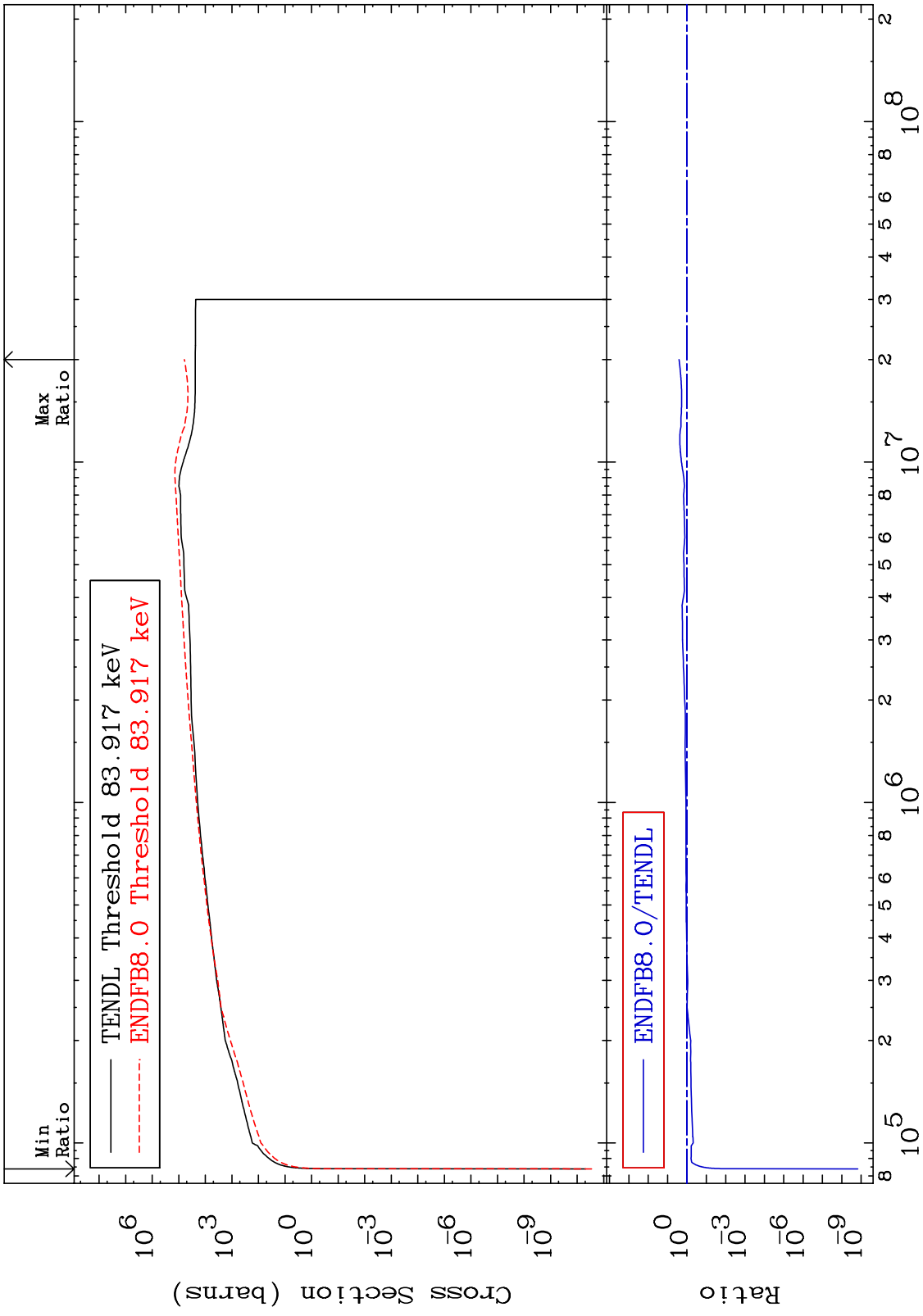


MAT 6331      Dpa elastic (mt2)      63-Eu-153  
 Cross Section      -9.302 To 73.12 %



59      Incident Energy (eV)      63-Eu-153

MAT 6331      Dpa inelastic (mt51-91)      63-Eu-153  
Cross Section      -100.0 To 156.2 %



MAT 6331      Dpa disappearance (mt102 -120)      63-Eu-153  
 Cross Section      -91.05 To 9999. %

