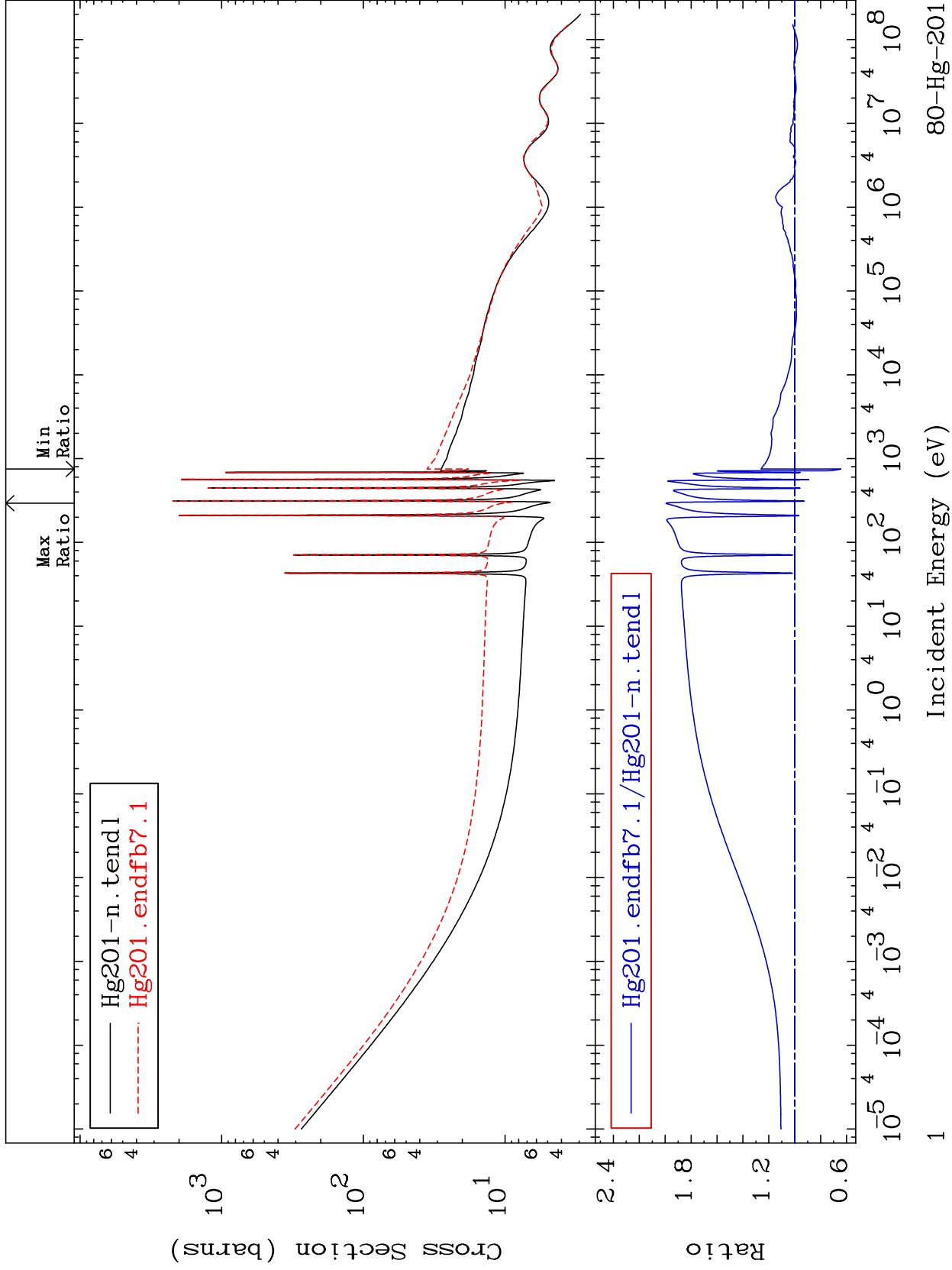


MAT 8040

Total Cross Section  
80-Hg-201  
-35.59 To 99.38 %

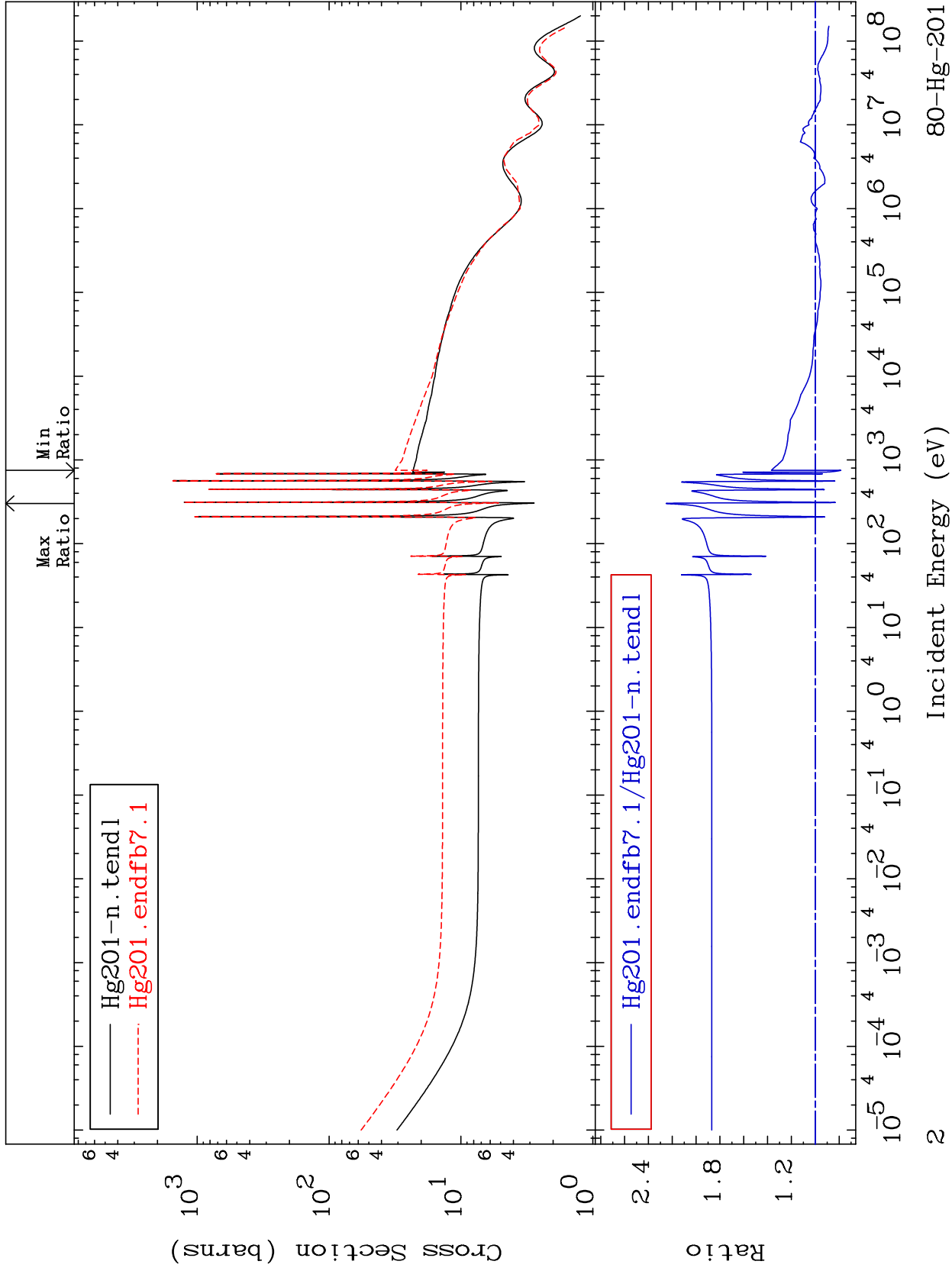


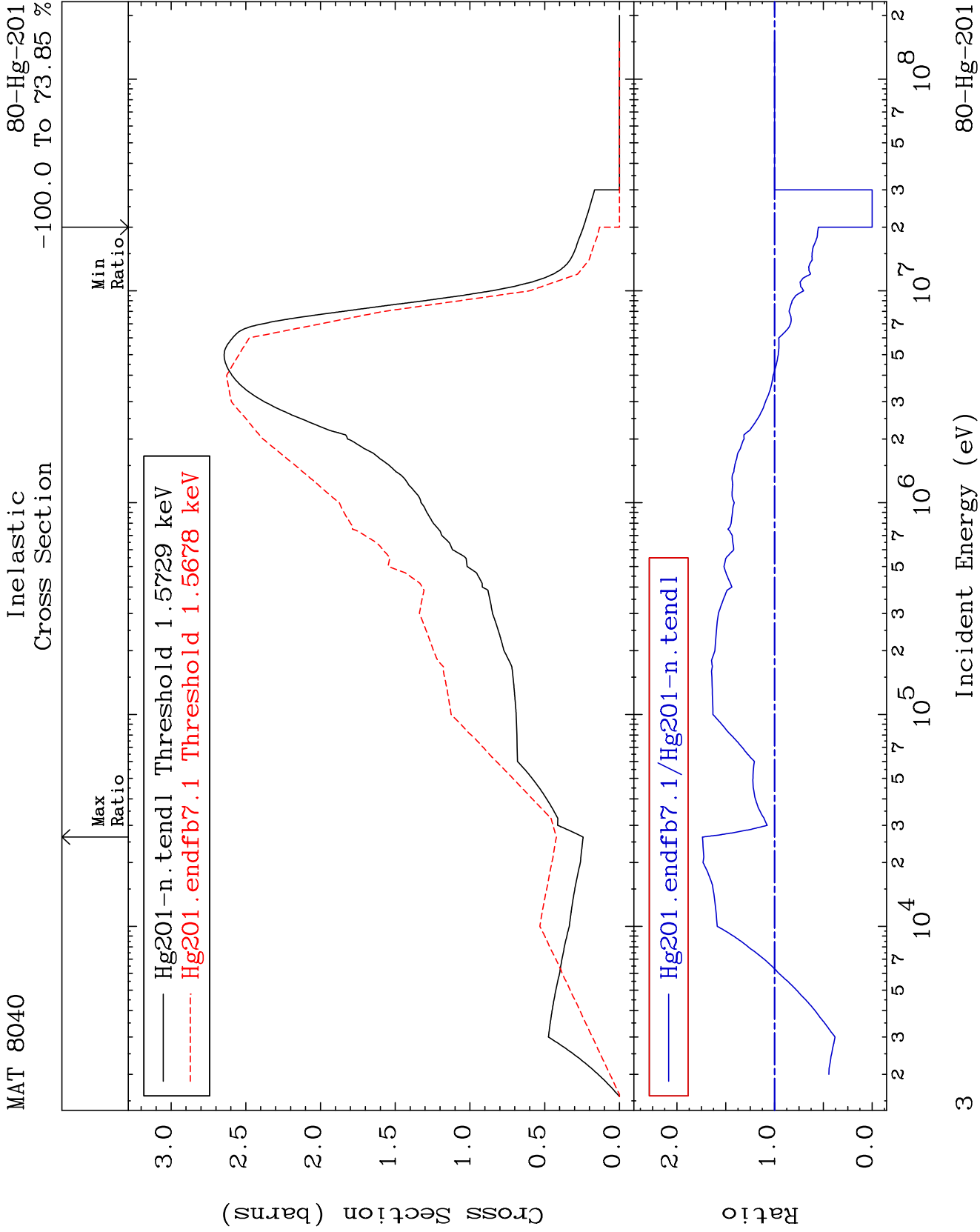
80-Hg-201

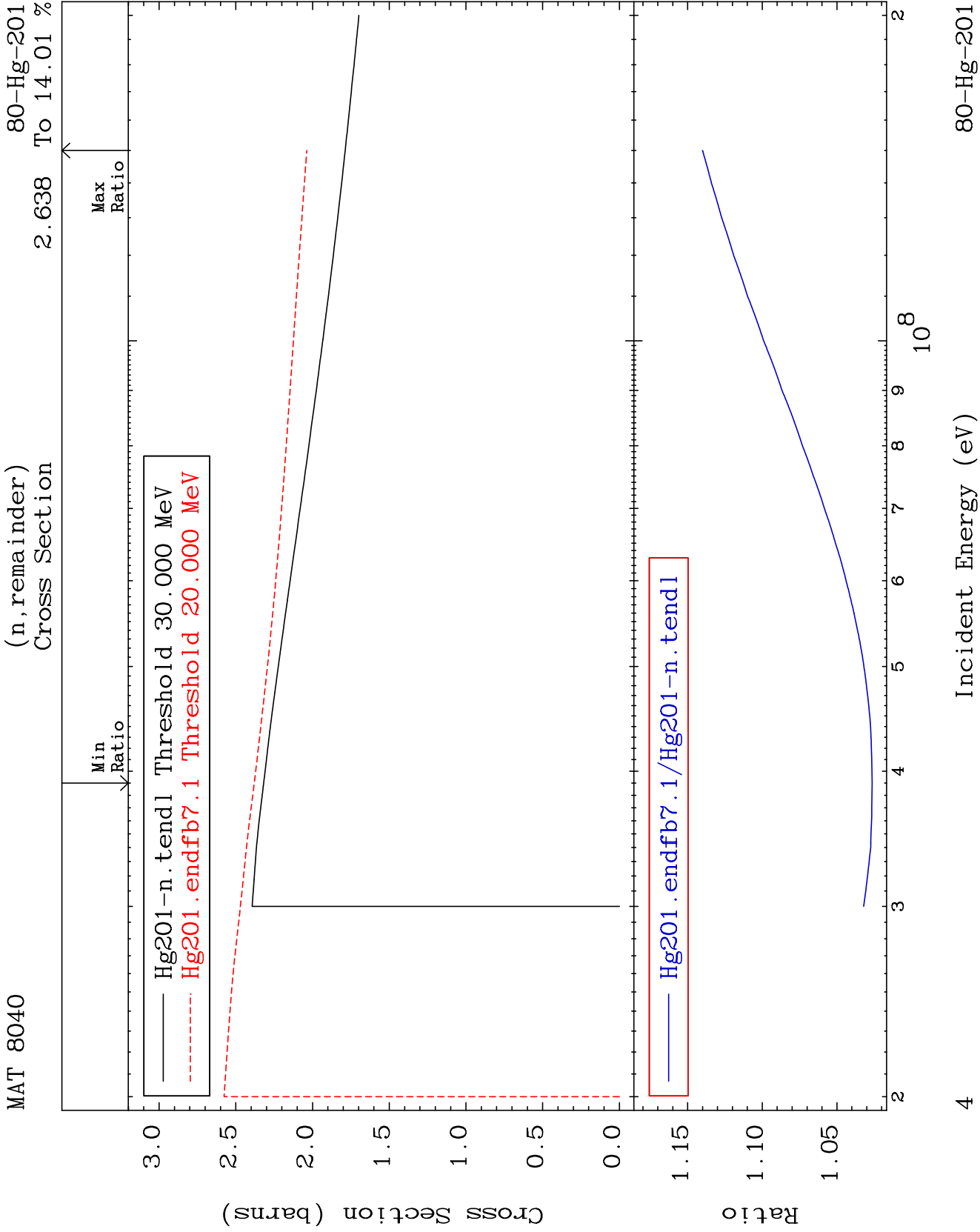
MAT 8040

Elastic  
Cross Section

80-Hg-201  
-21.44 To 125.3 %



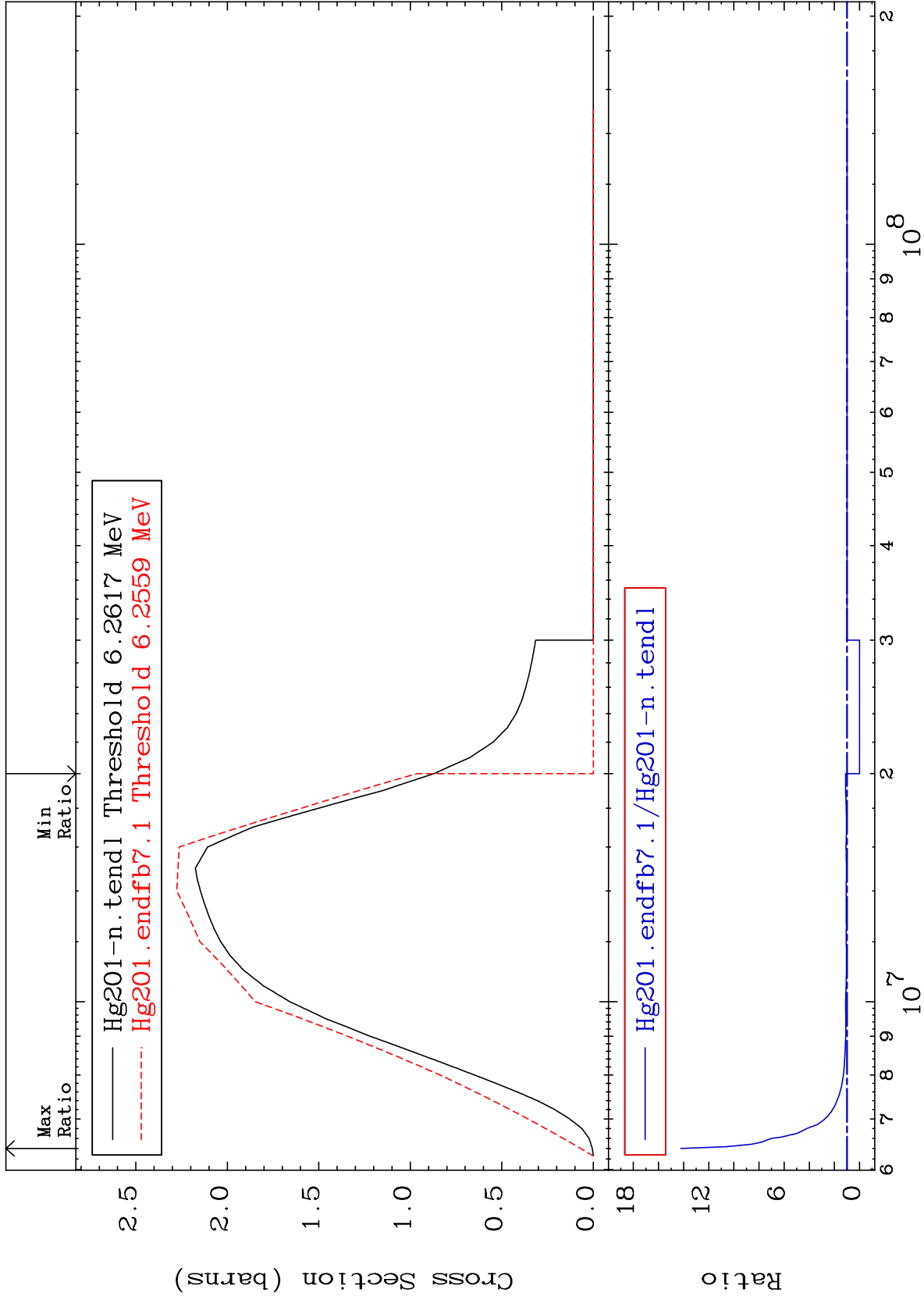




MAT 8040

(n,2n)  
Cross Section

80-Hg-201  
-100.0 To 1323. %



5

Incident Energy (eV)

80-Hg-201

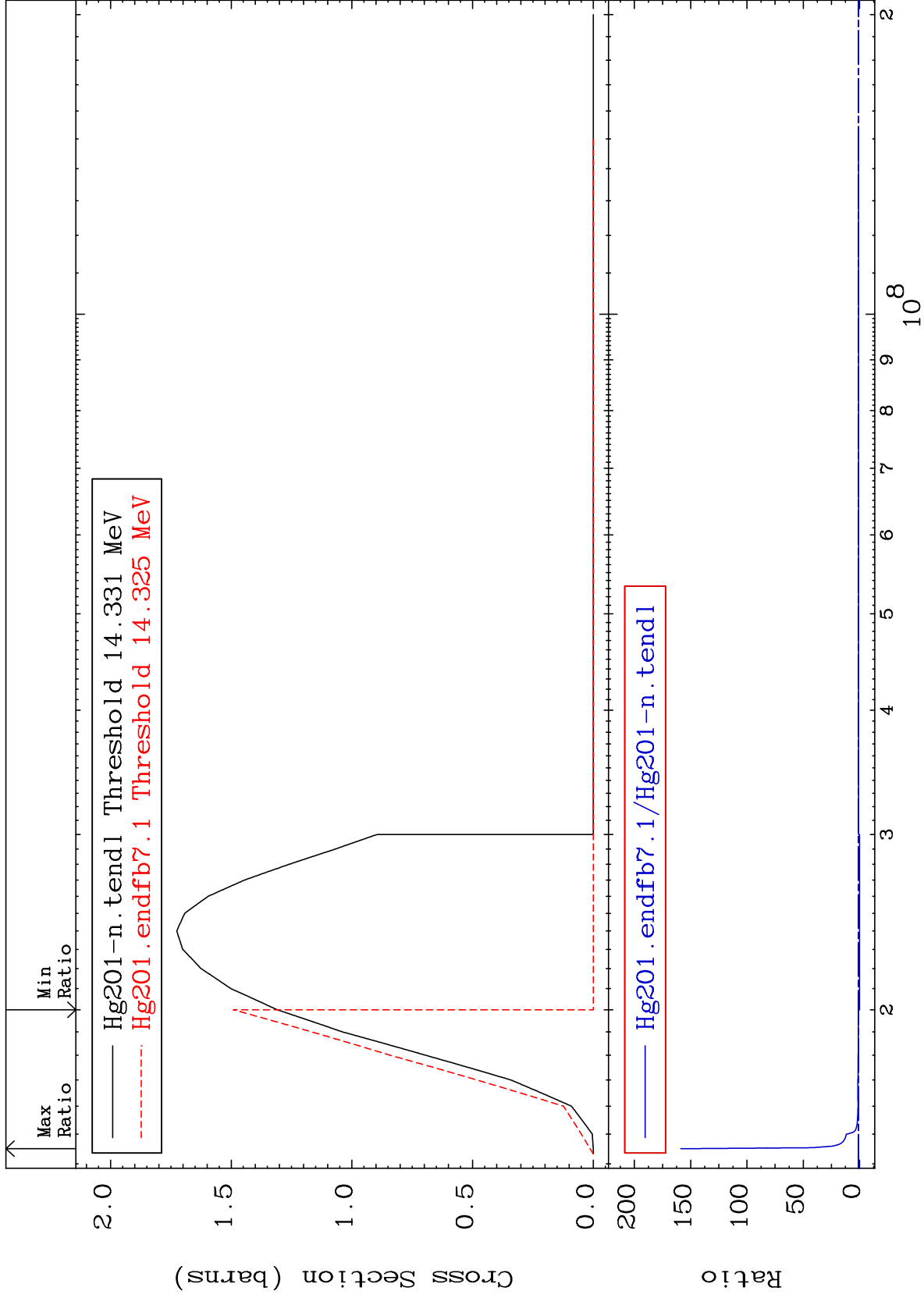
MAT 8040

(n,3n)

80-Hg-201

Cross Section

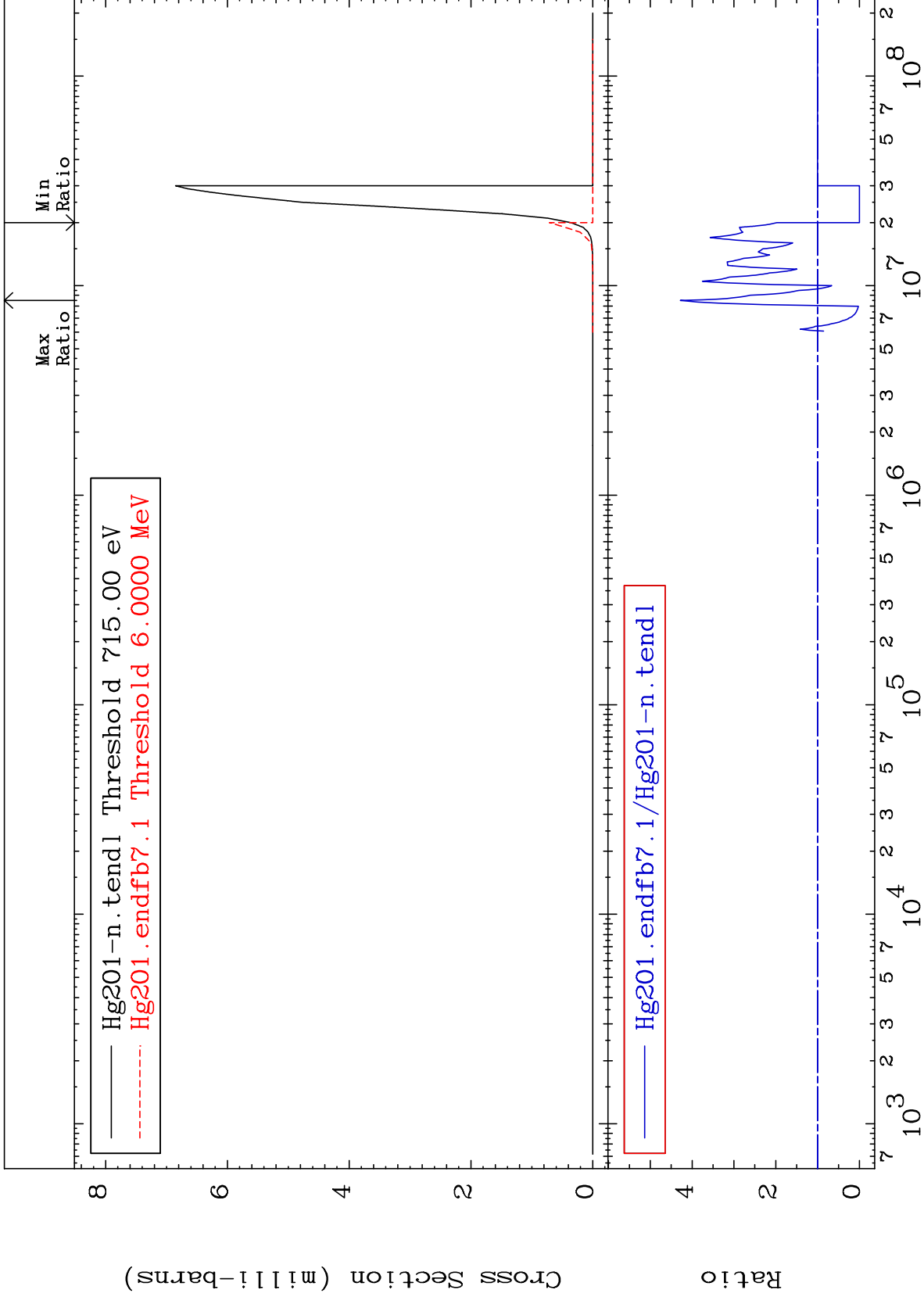
-100.0 To 9999. %



MAT 8040

$(n, n') \alpha$   
Cross Section

80-Hg-201  
-100.0 To 328.1 %



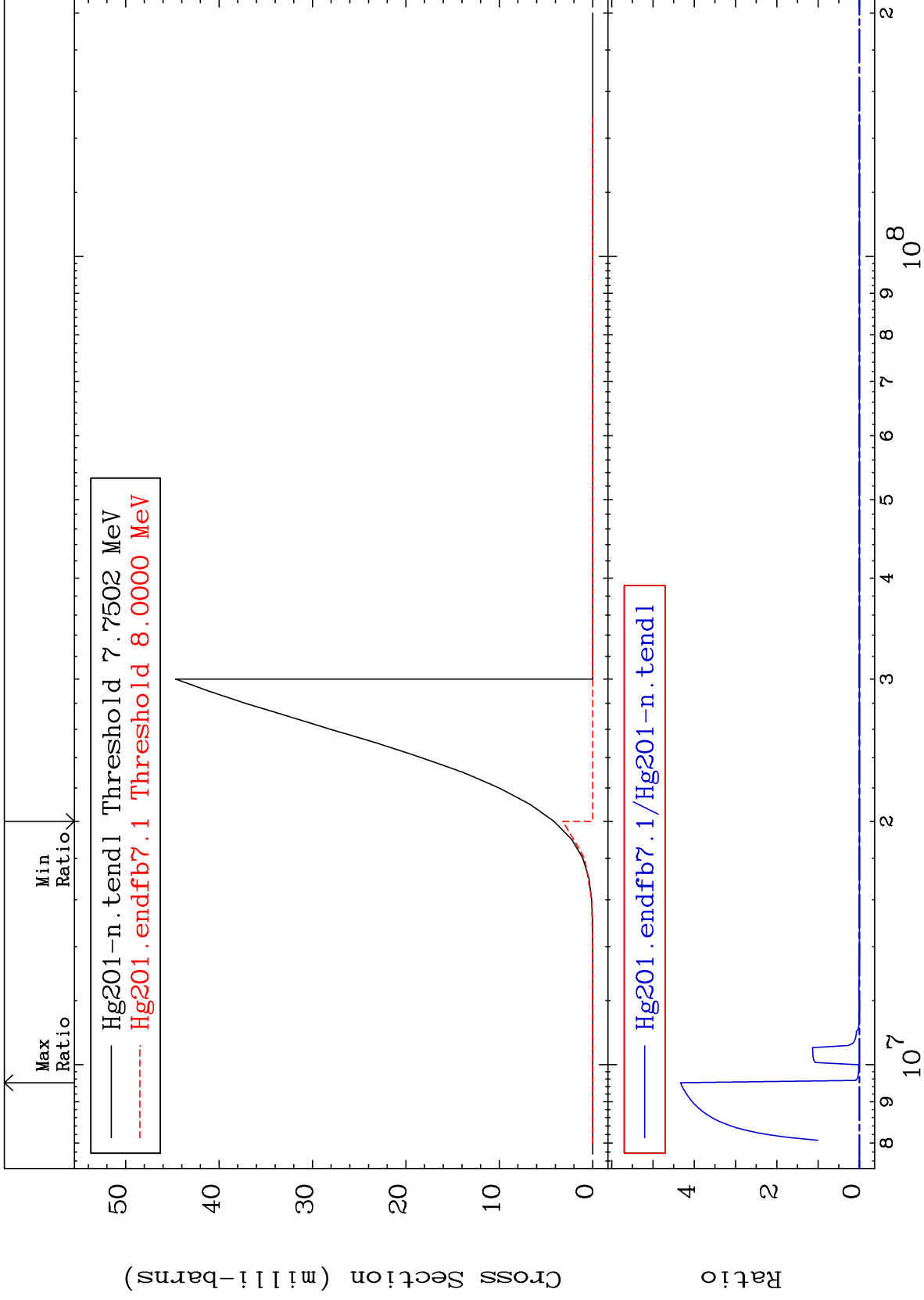
80-Hg-201

80-Hg-201

MAT 8040

(n,n') p  
Cross Section

80-Hg-201  
-100.0 To 9999. %

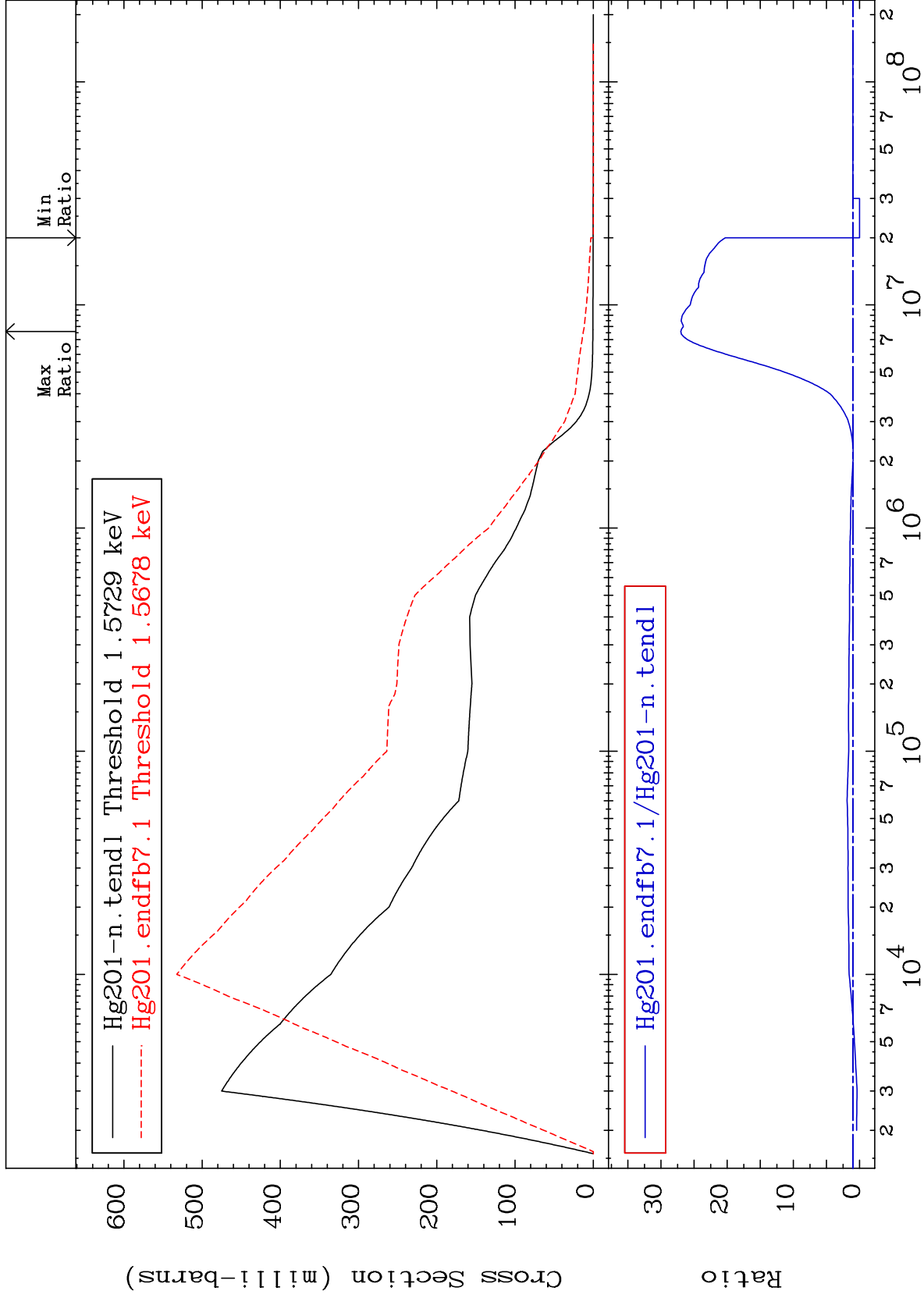




MAT 8040

1.565 keV (n,n') Level  
Cross Section

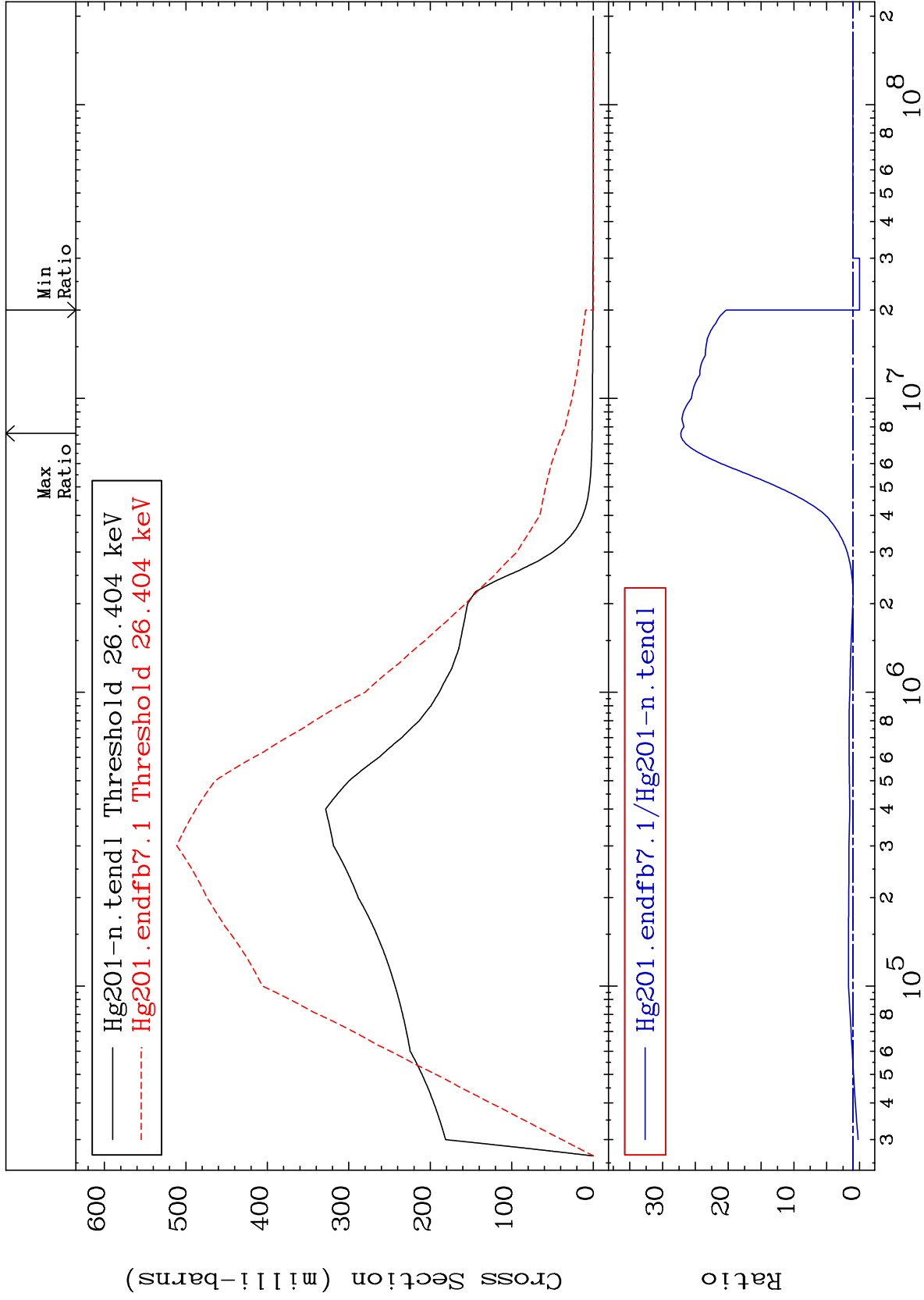
80-Hg-201  
-100.0 To 2601. %



MAT 8040

26.27 keV (n,n') Level  
Cross Section

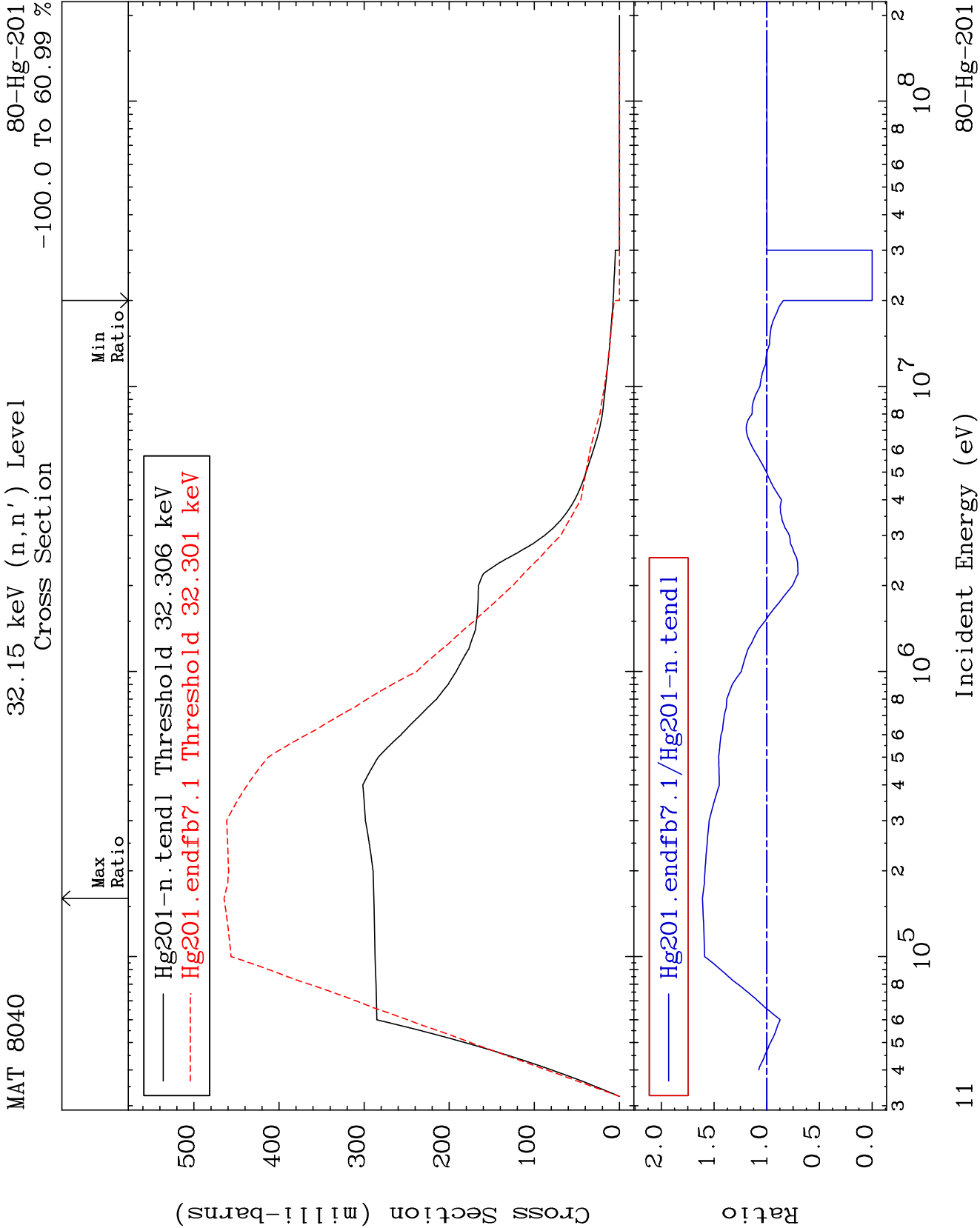
80-Hg-201  
-100.0 To 2623. %

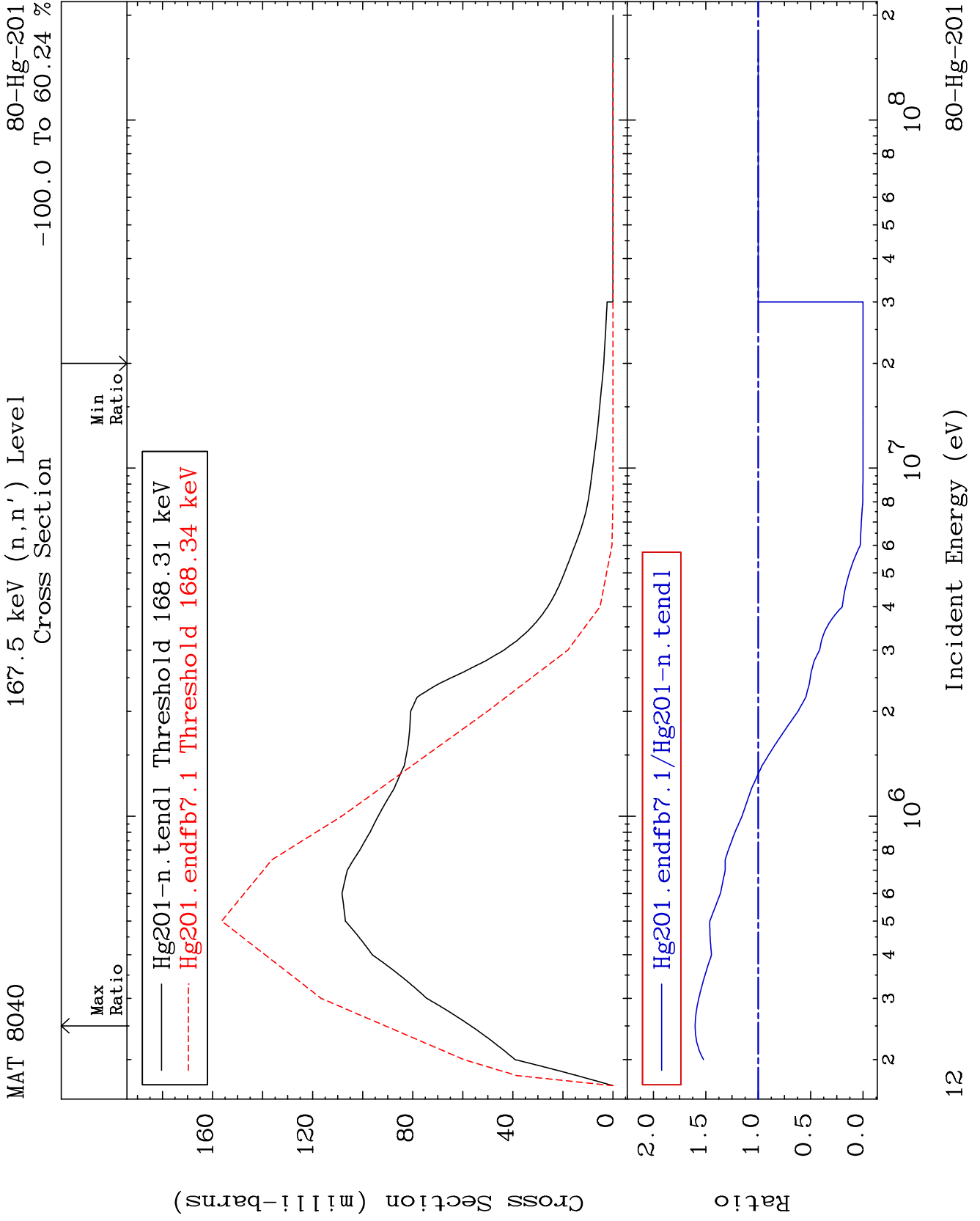


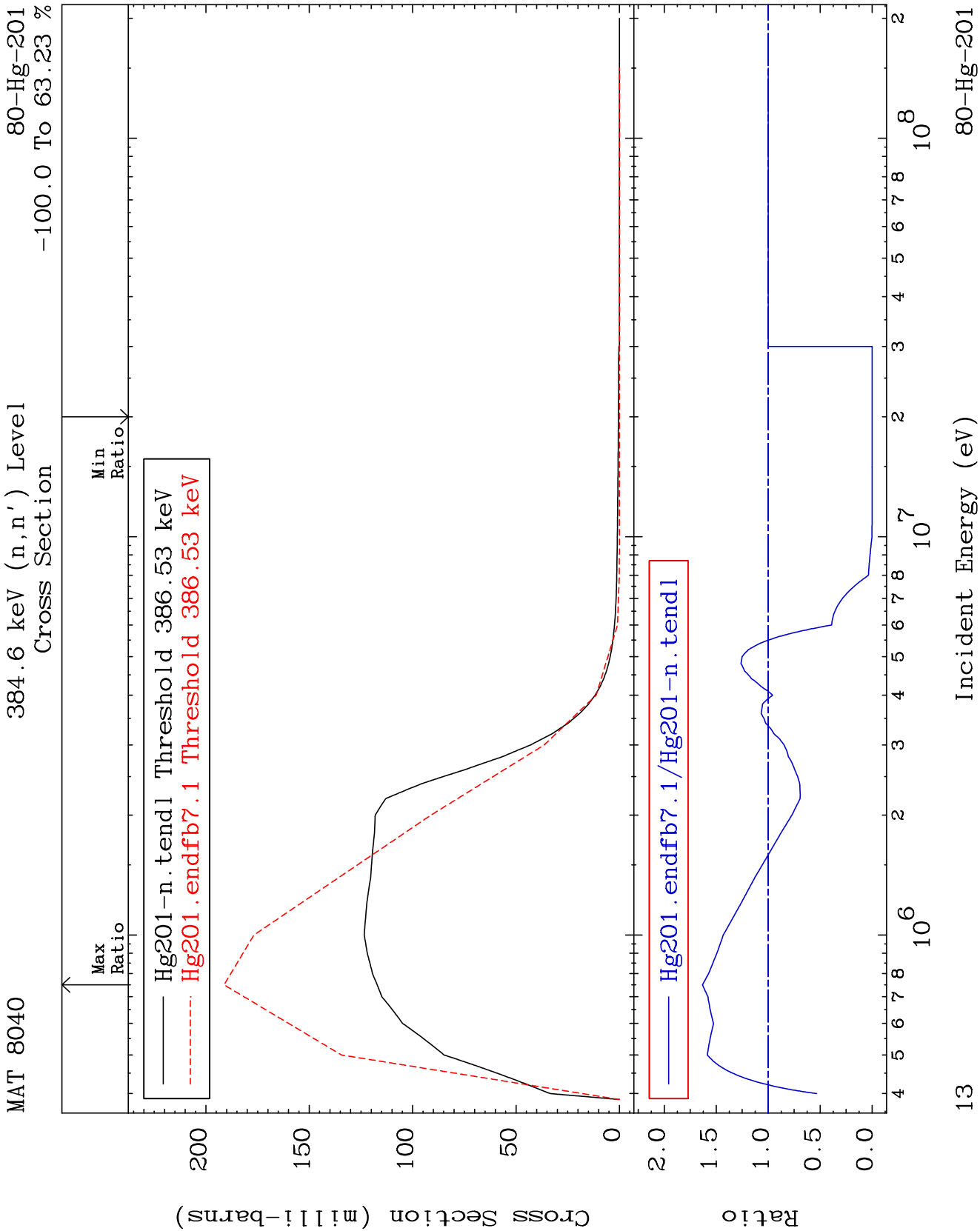
10

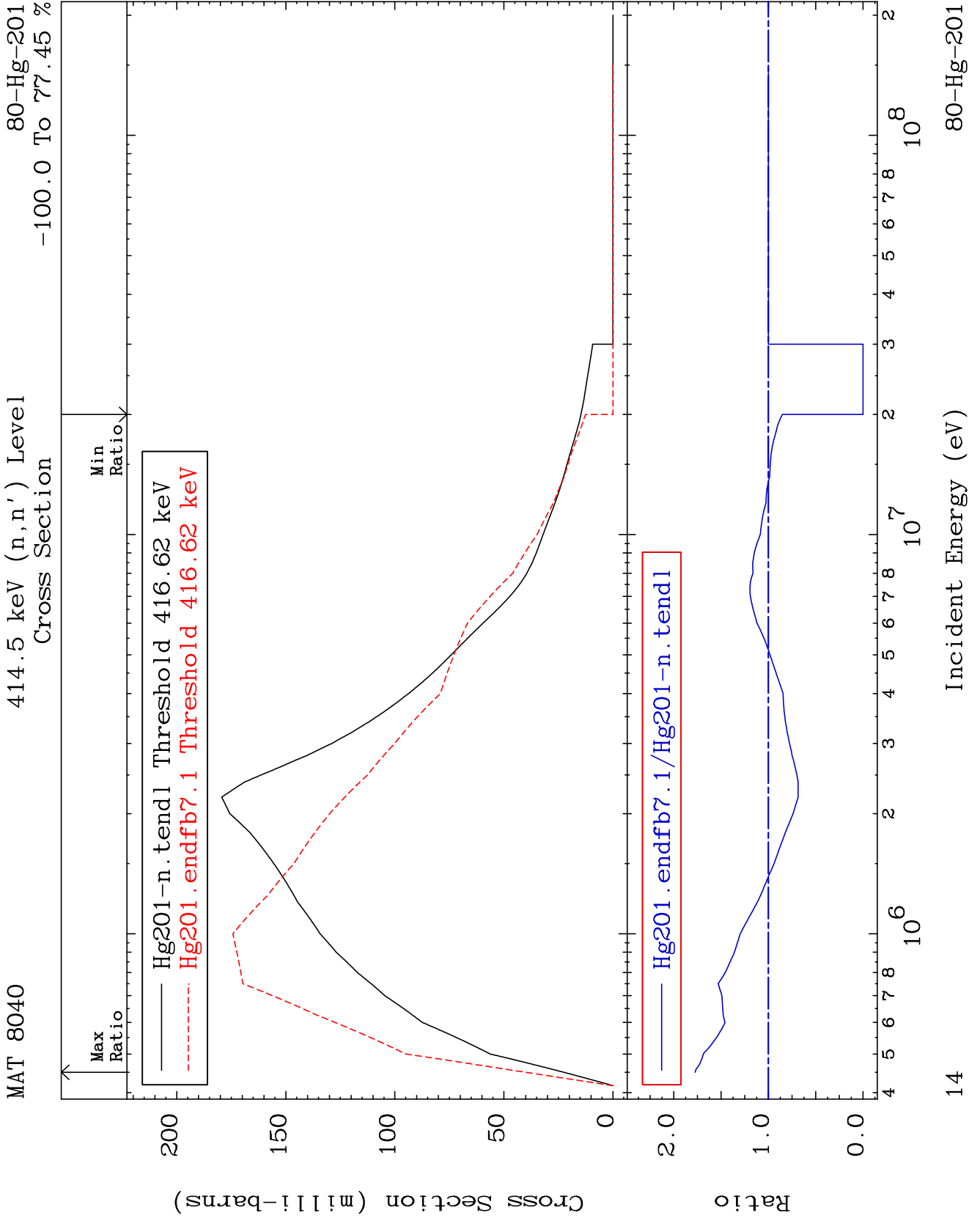
Incident Energy (eV)

80-Hg-201





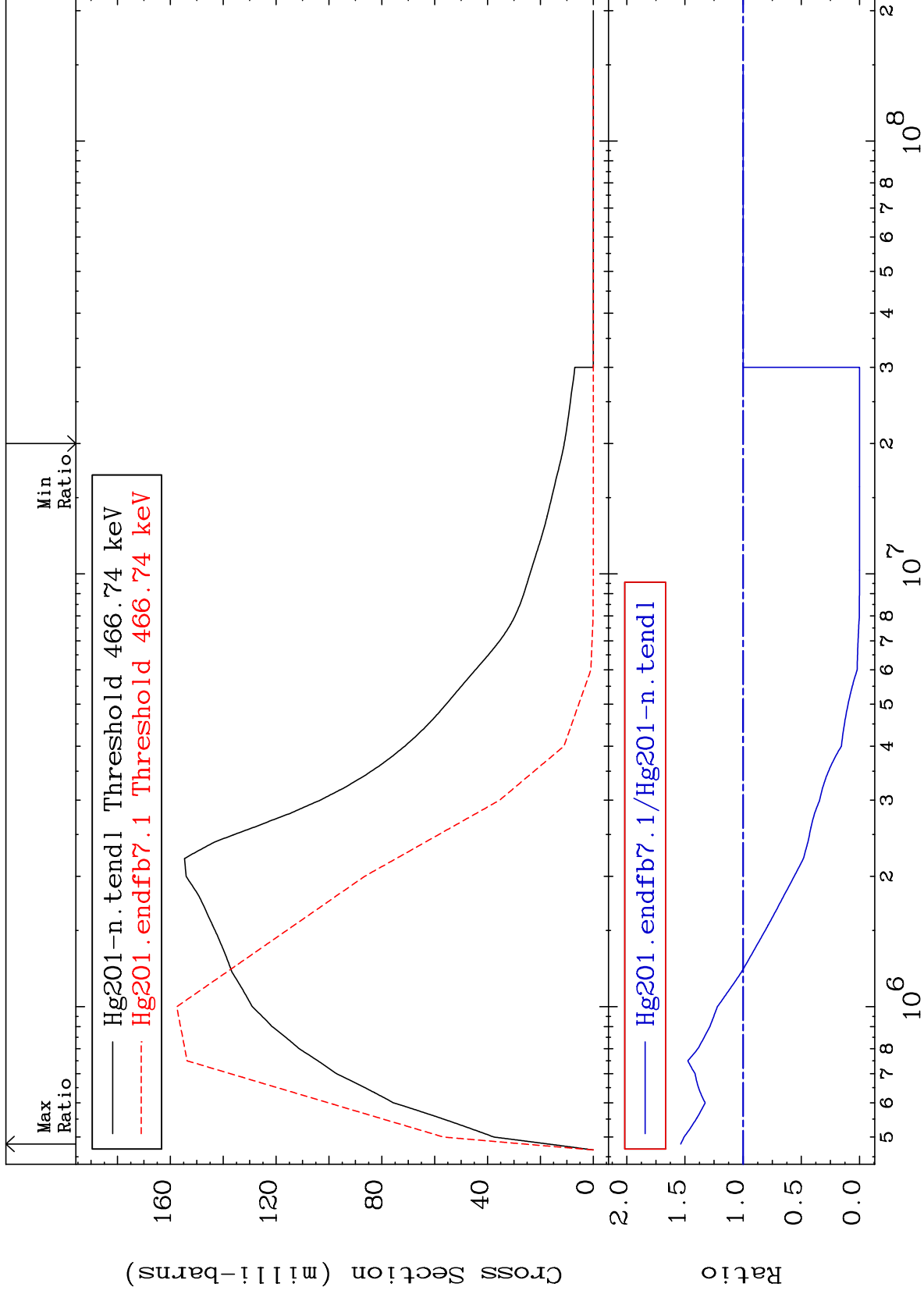




MAT 8040

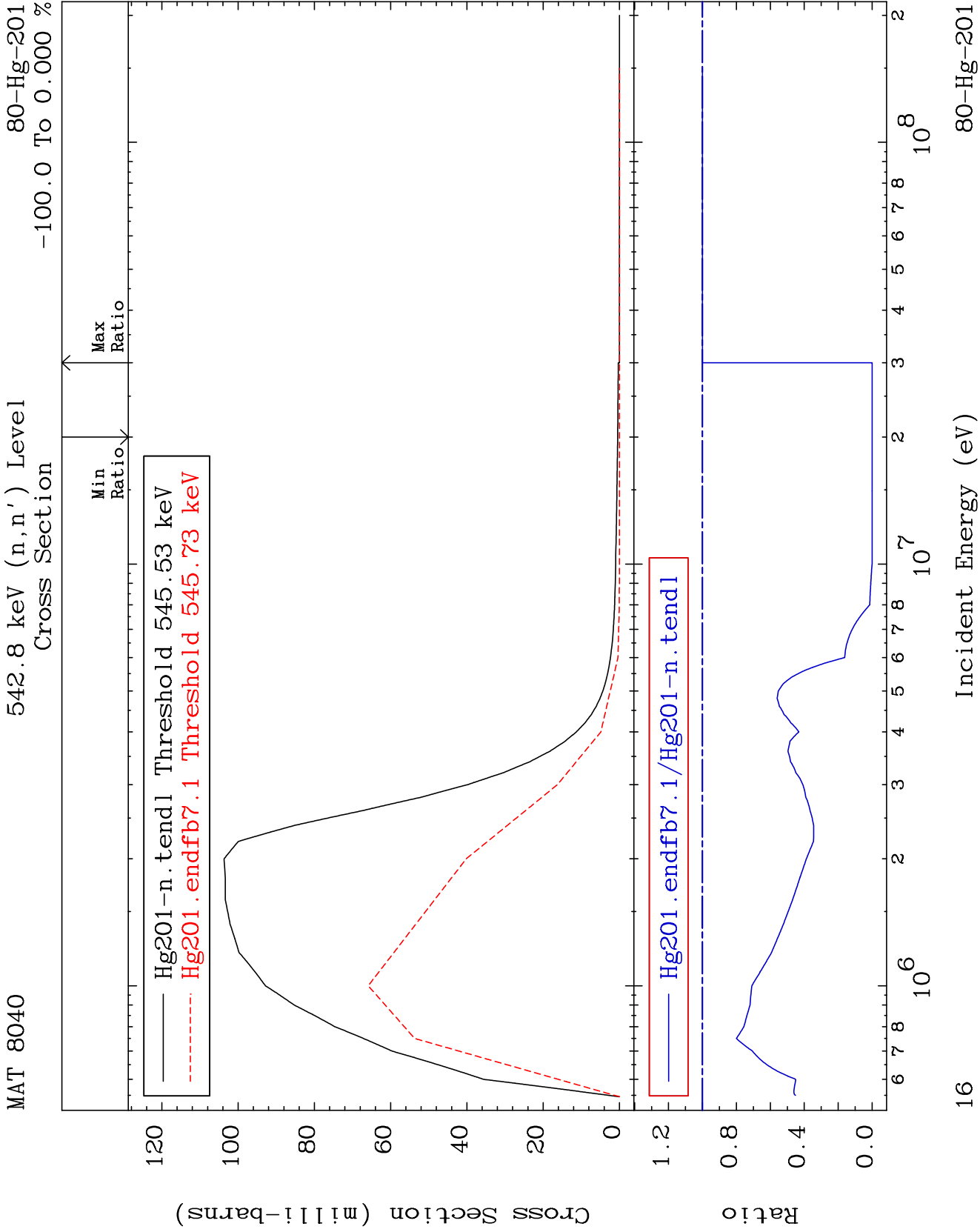
464.4 keV (n,n') Level  
Cross Section

80-Hg-201  
-100.0 To 53.59 %



15

80-Hg-201





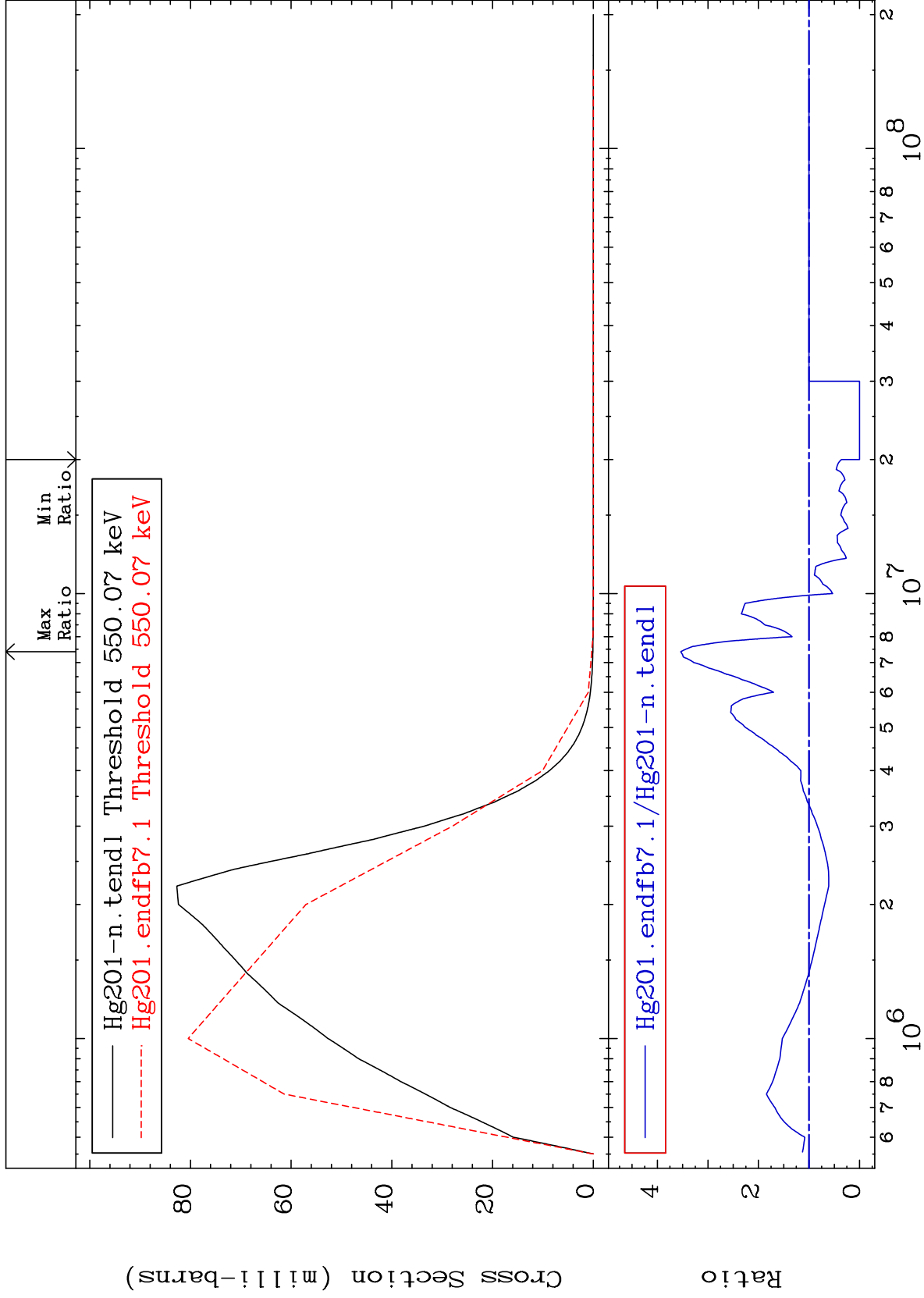
MAT 8040

547.3 keV (n,n') Level

80-Hg-201

-100.0 To 253.7 %

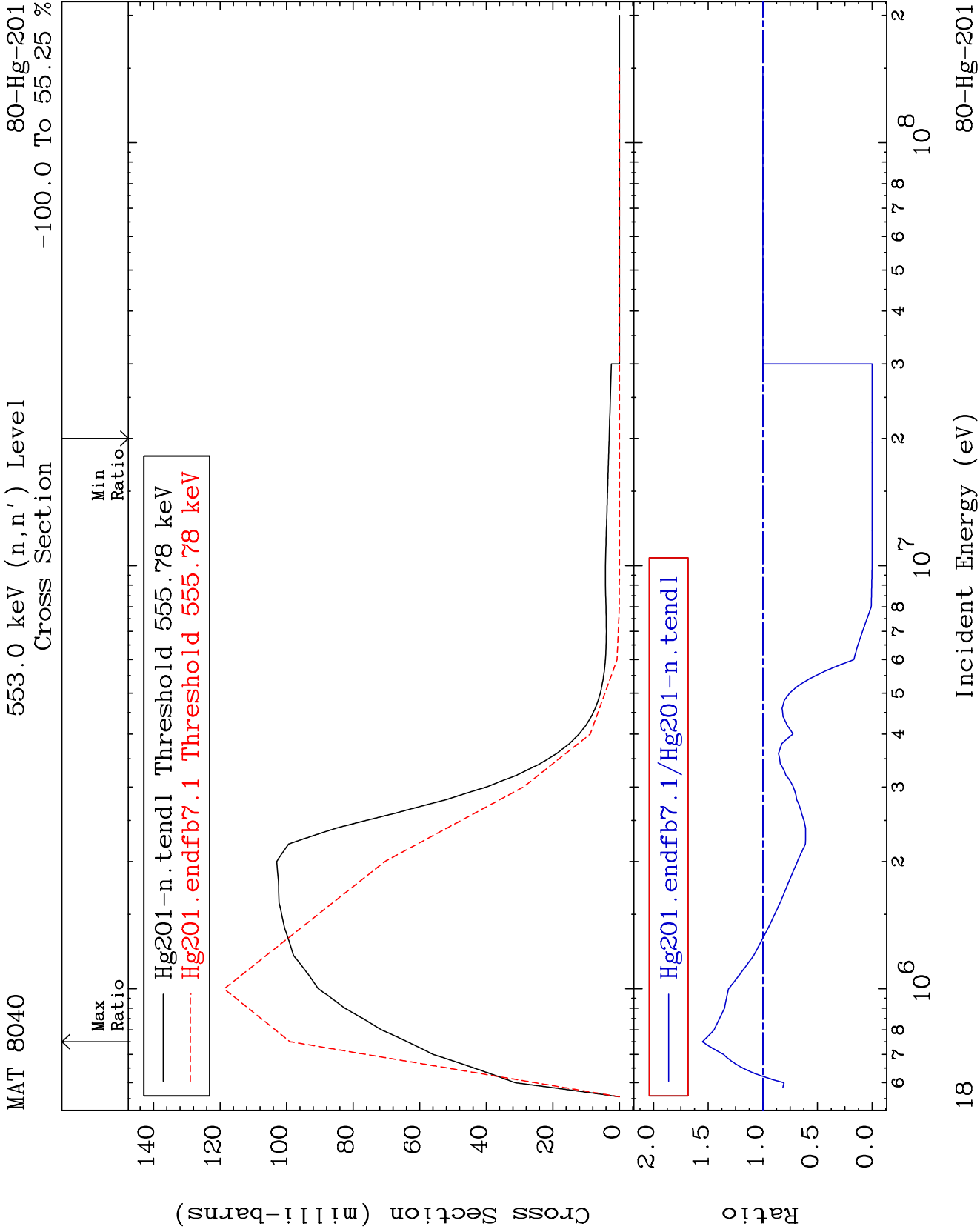
Cross Section



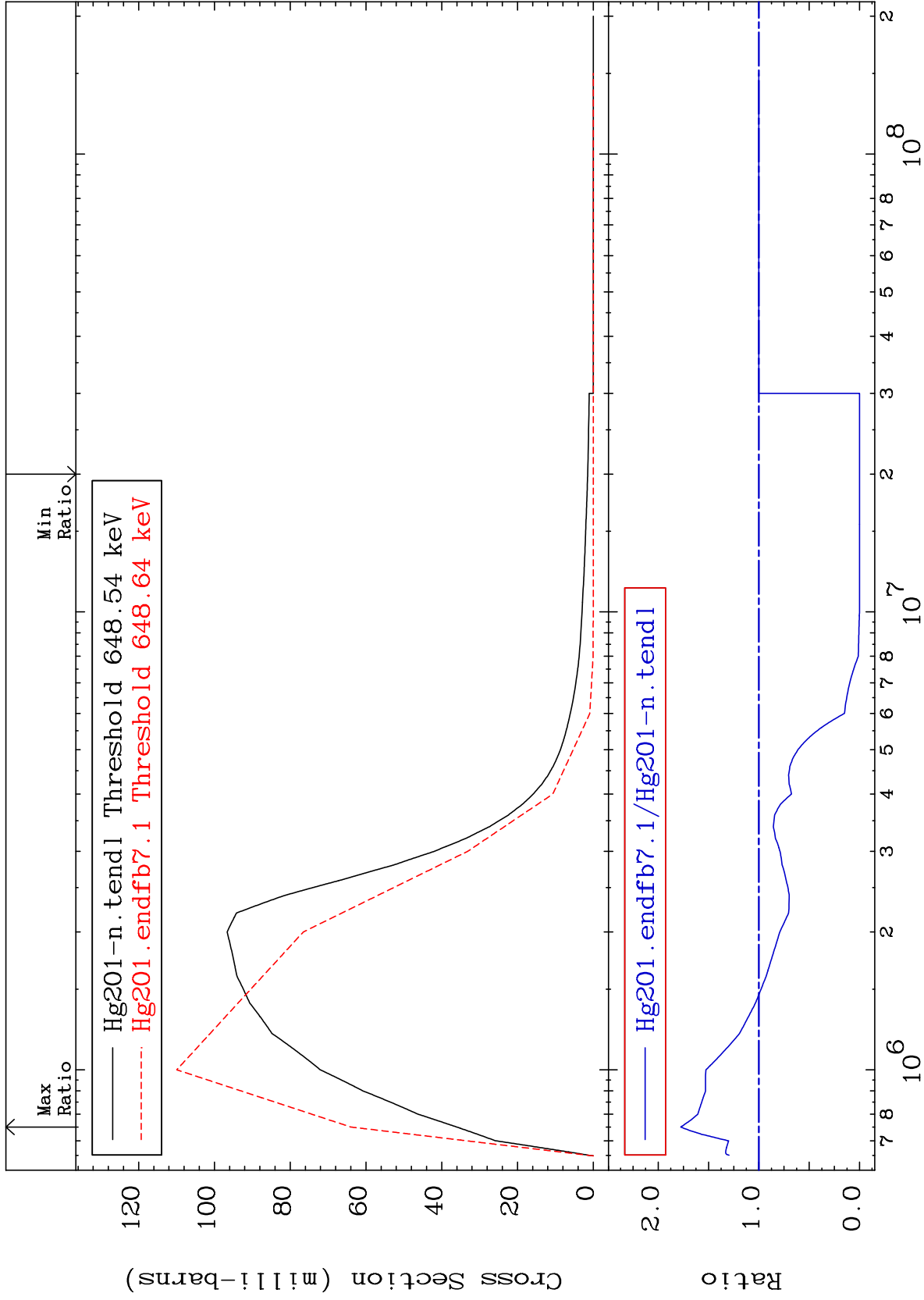
17

Incident Energy (eV)

80-Hg-201



MAT 8040      645.3 keV (n,n') Level      80-Hg-201  
 Cross Section      -100.0 To 77.60 %

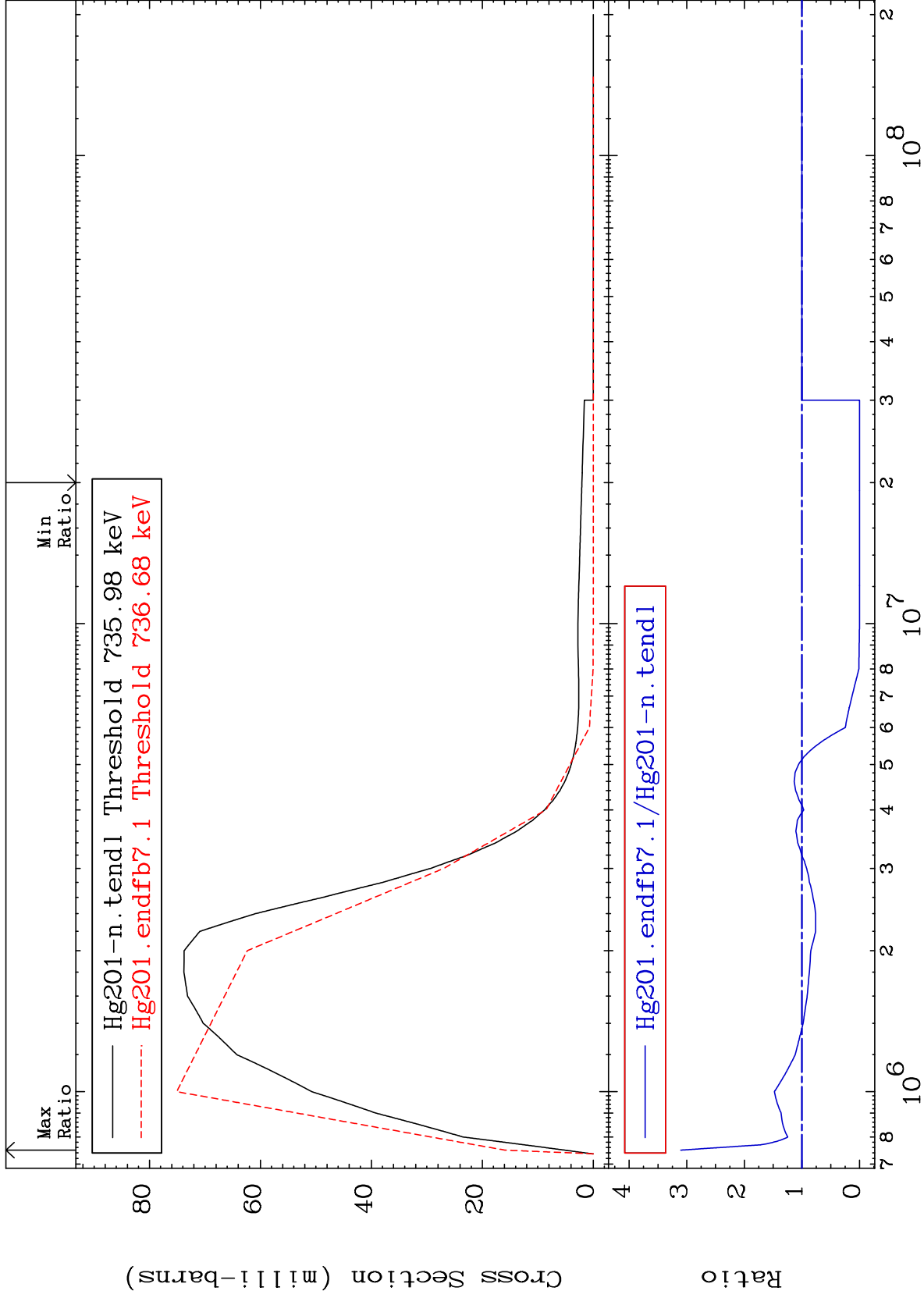


19      Incident Energy (eV)      80-Hg-201

MAT 8040

732.3 keV (n,n') Level  
Cross Section

80-Hg-201  
-100.0 To 210.4 %



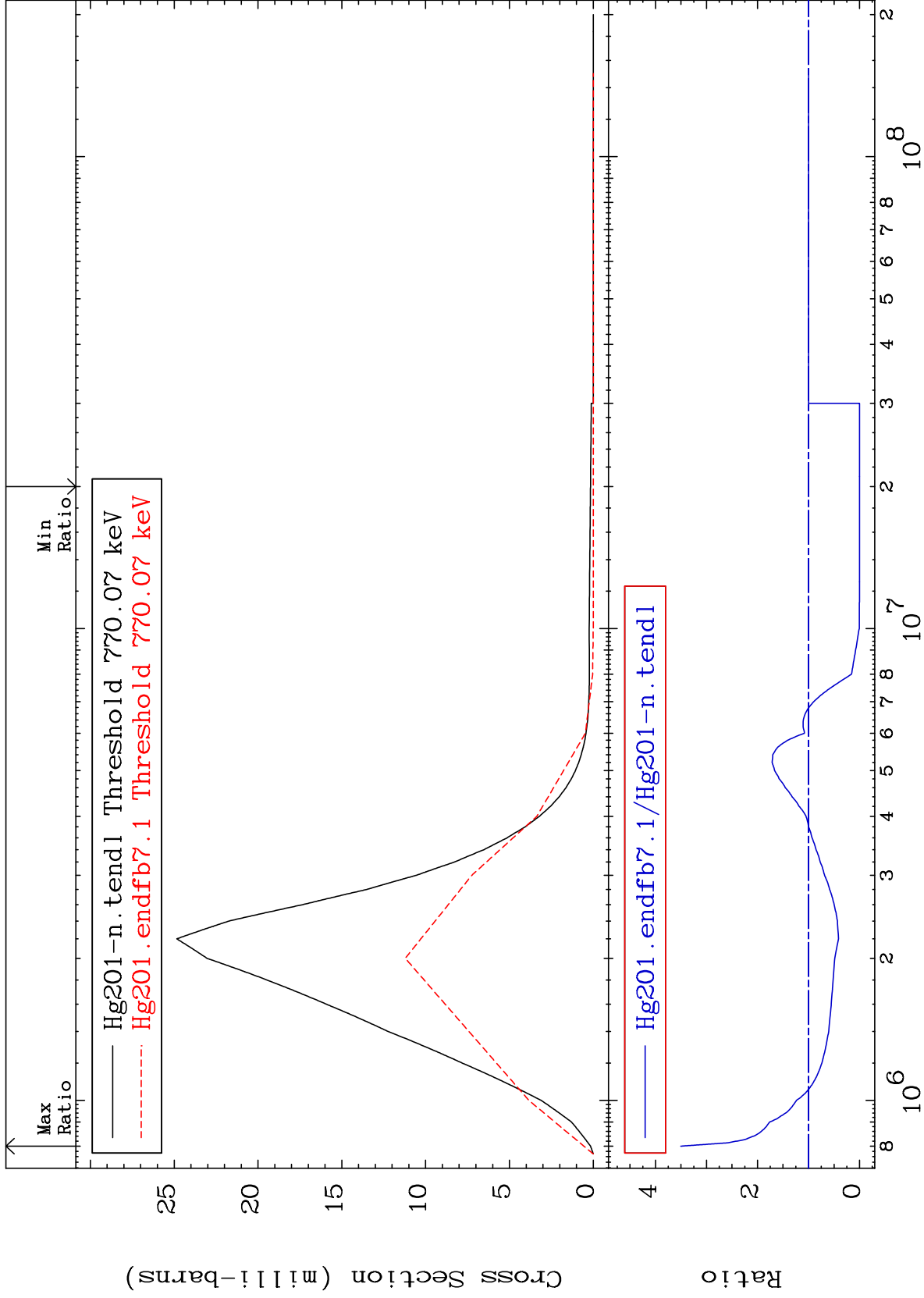
MAT 8040

766.2 keV (n,n') Level

80-Hg-201

Cross Section

-100.0 To 250.5 %



21

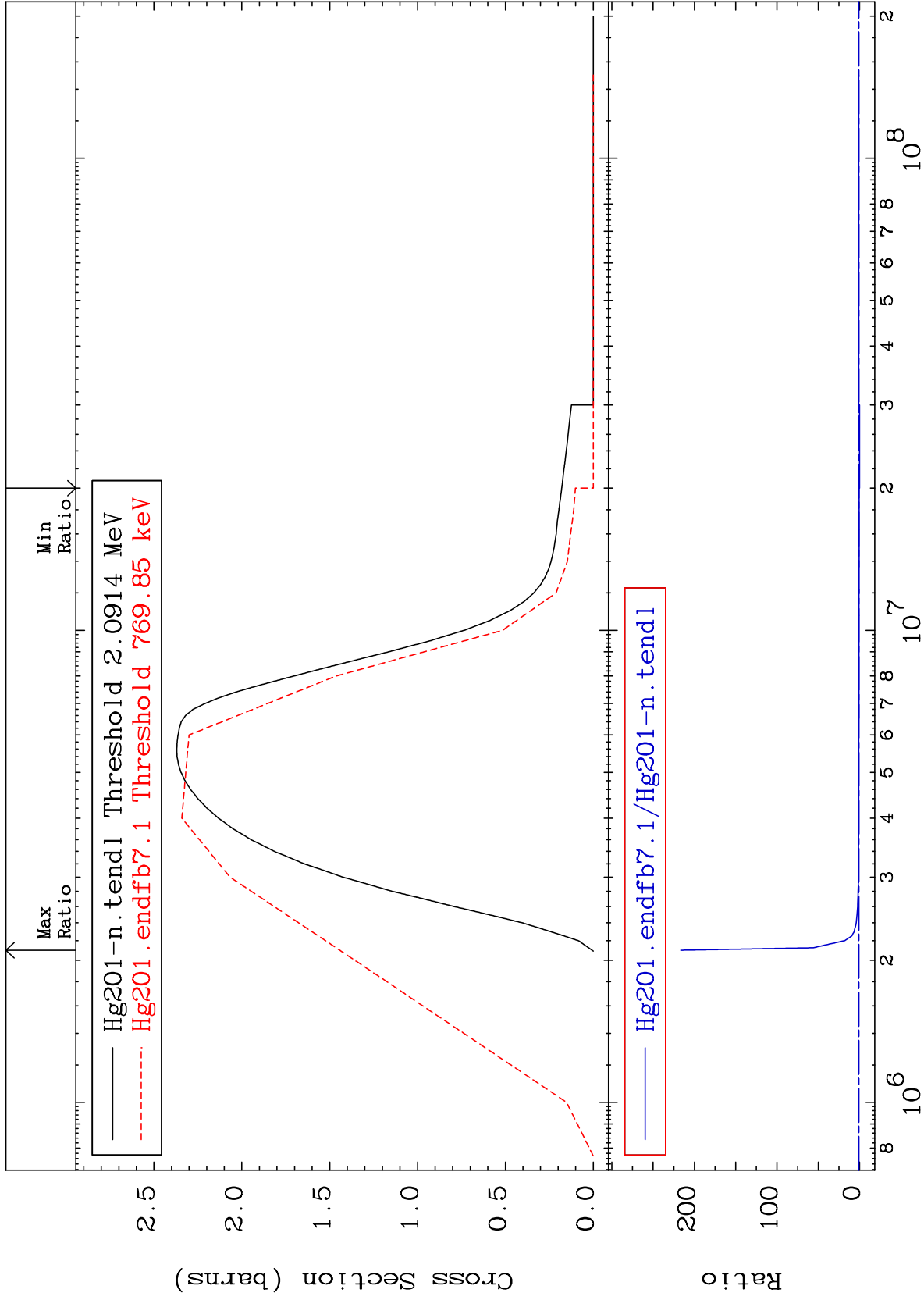
Incident Energy (eV)

80-Hg-201

MAT 8040

(n, n') Continuum  
Cross Section

80-Hg-201  
-100.0 To 9999. %



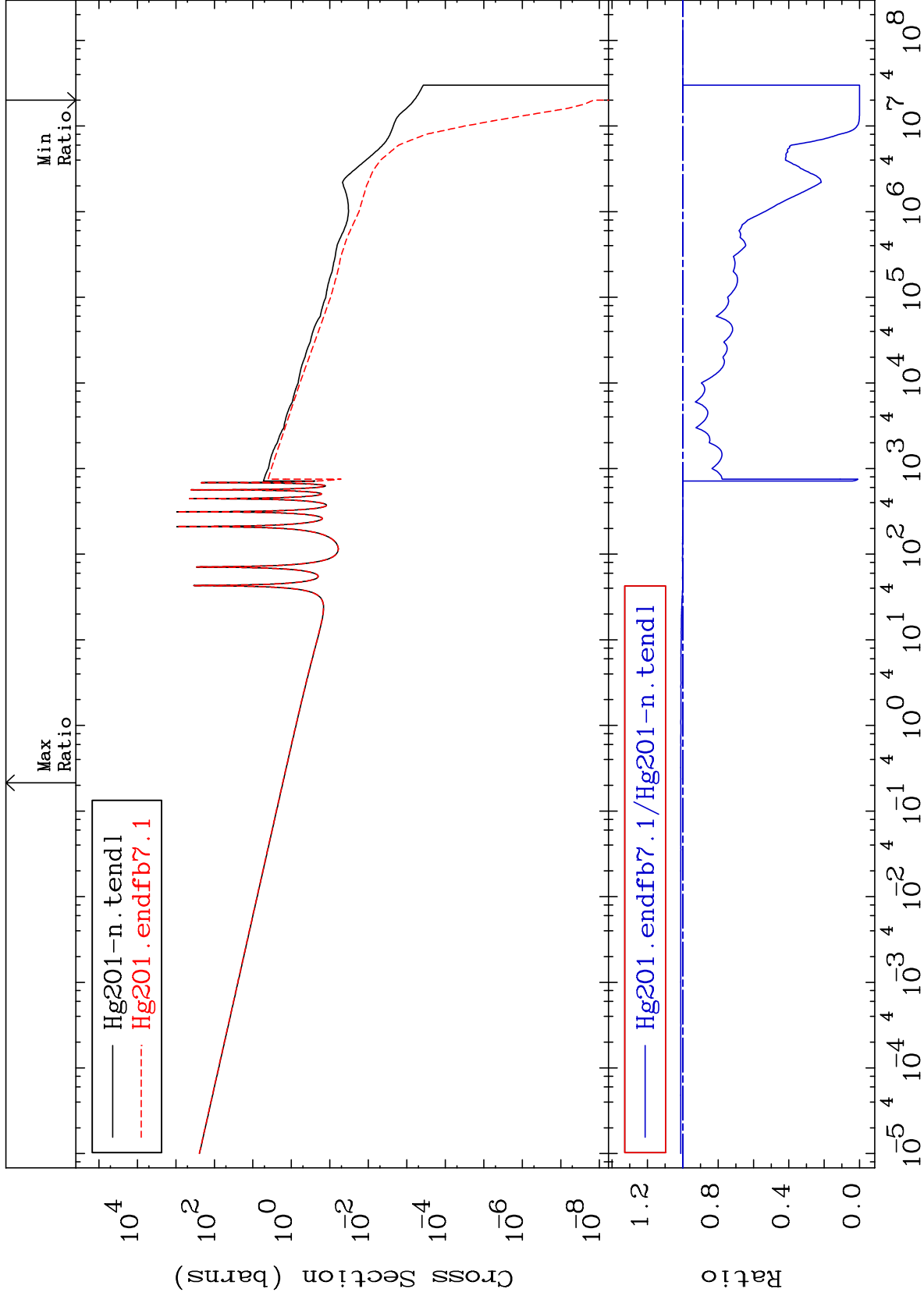
MAT 8040

(n,  $\gamma$ )

80-Hg-201

Cross Section

-100.0 To 1.156 %



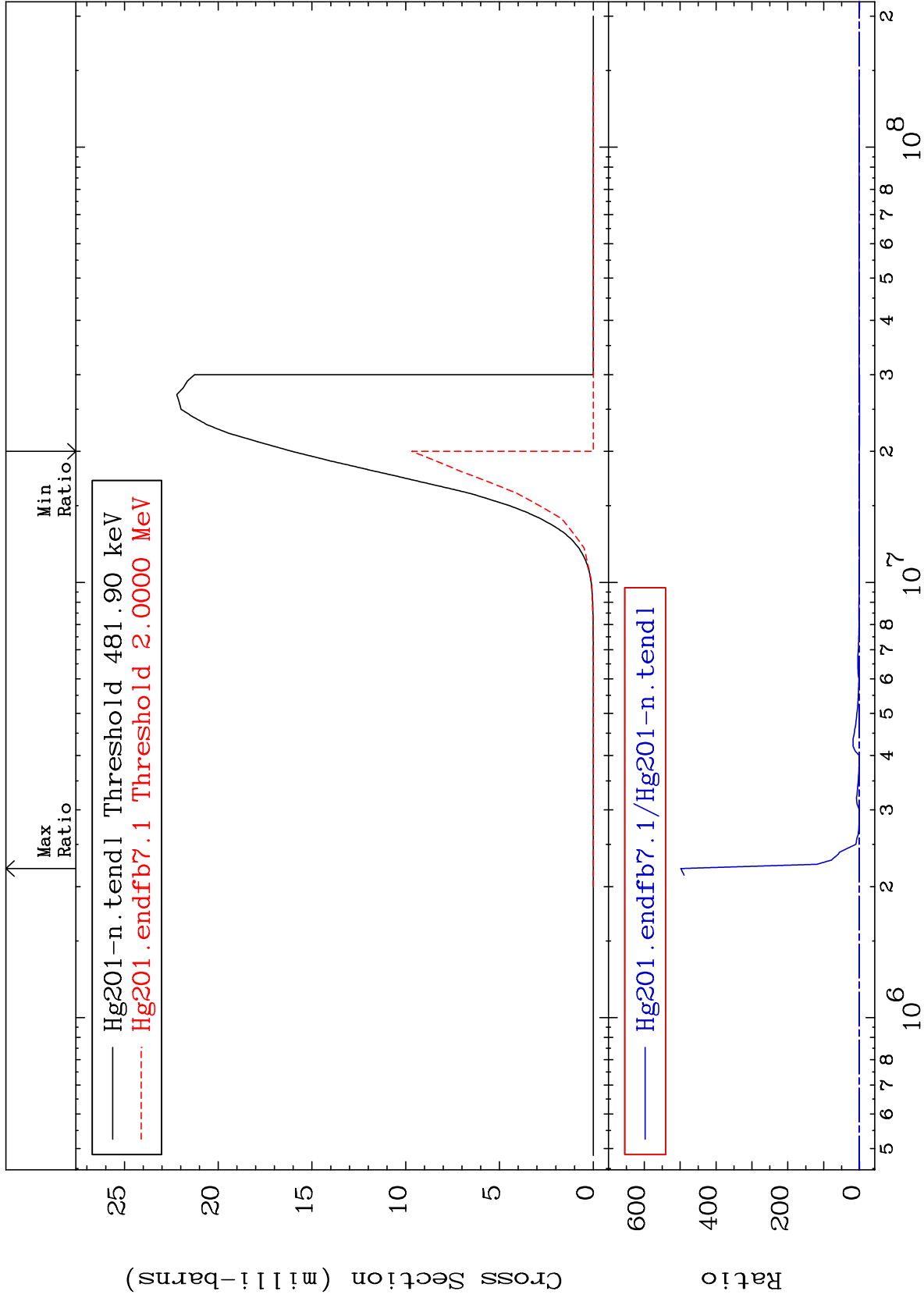
MAT 8040

(n,p)

80-Hg-201

Cross Section

-100.0 To 9999. %



24

Incident Energy (eV)

80-Hg-201



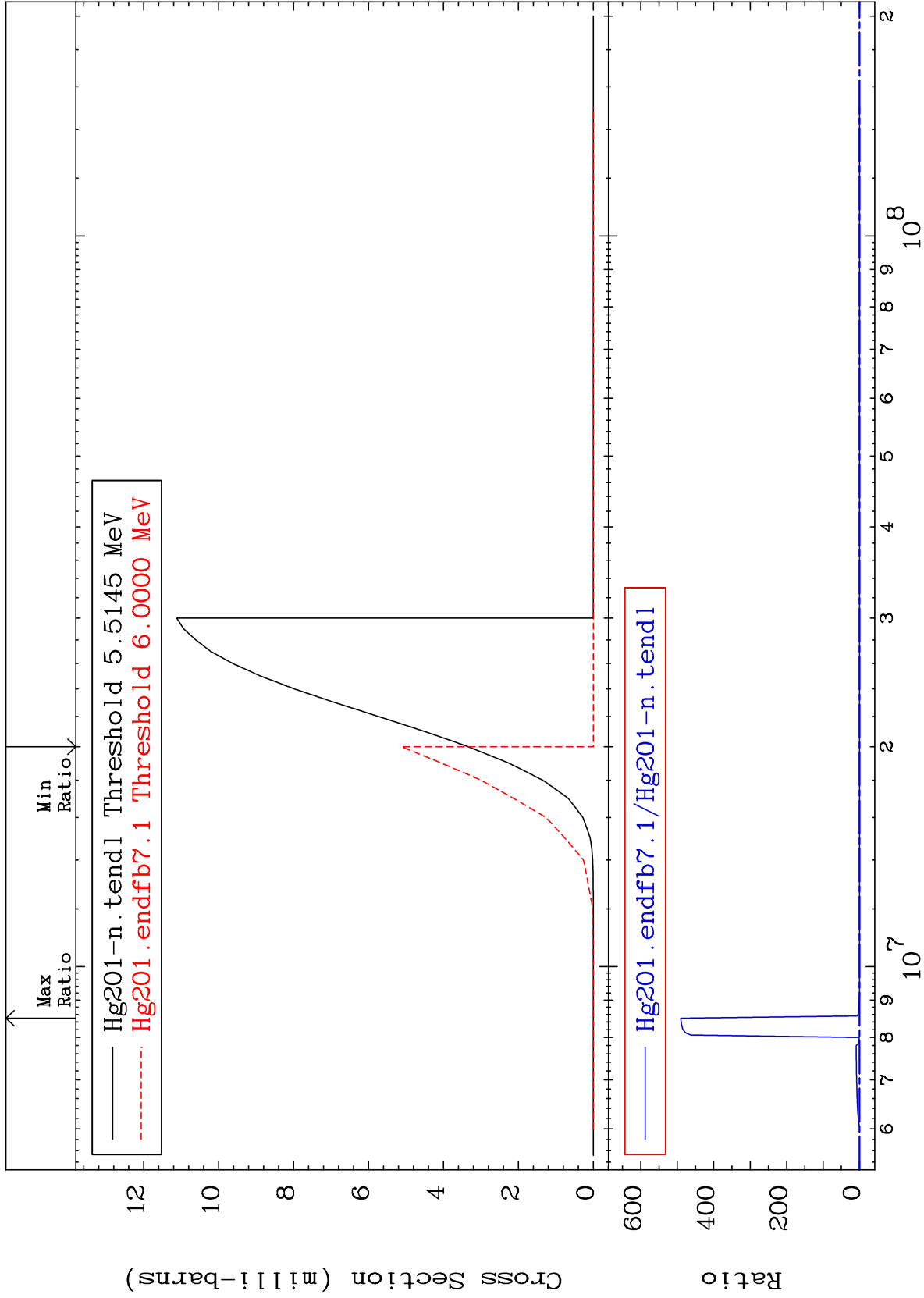
MAT 8040

(n, d)

80-Hg-201

Cross Section

-100.0 To 9999. %



25

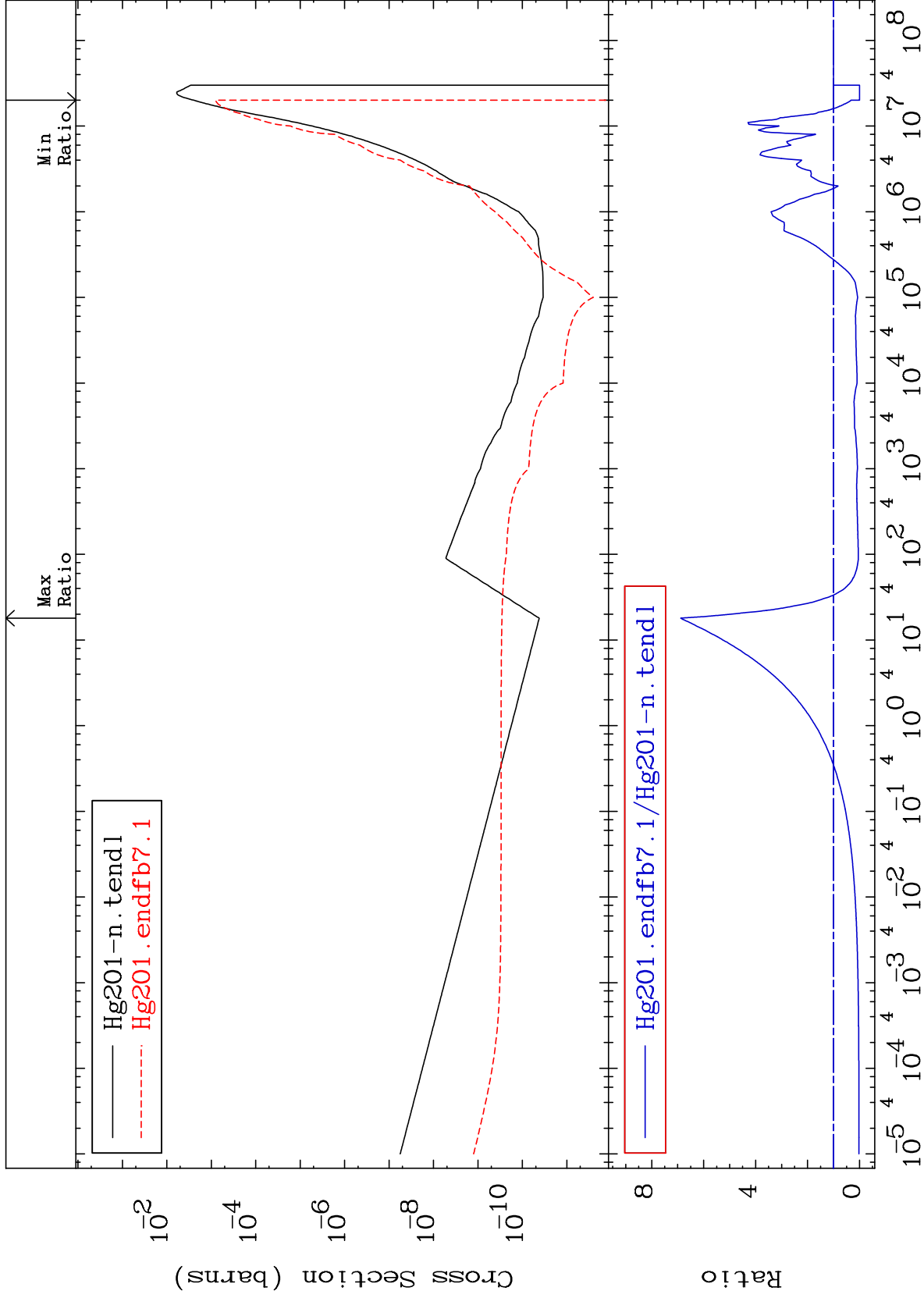
80-Hg-201

80-Hg-201

MAT 8040

(n,  $\alpha$ )  
Cross Section

80-Hg-201  
-100.0 To 588.1 %



26

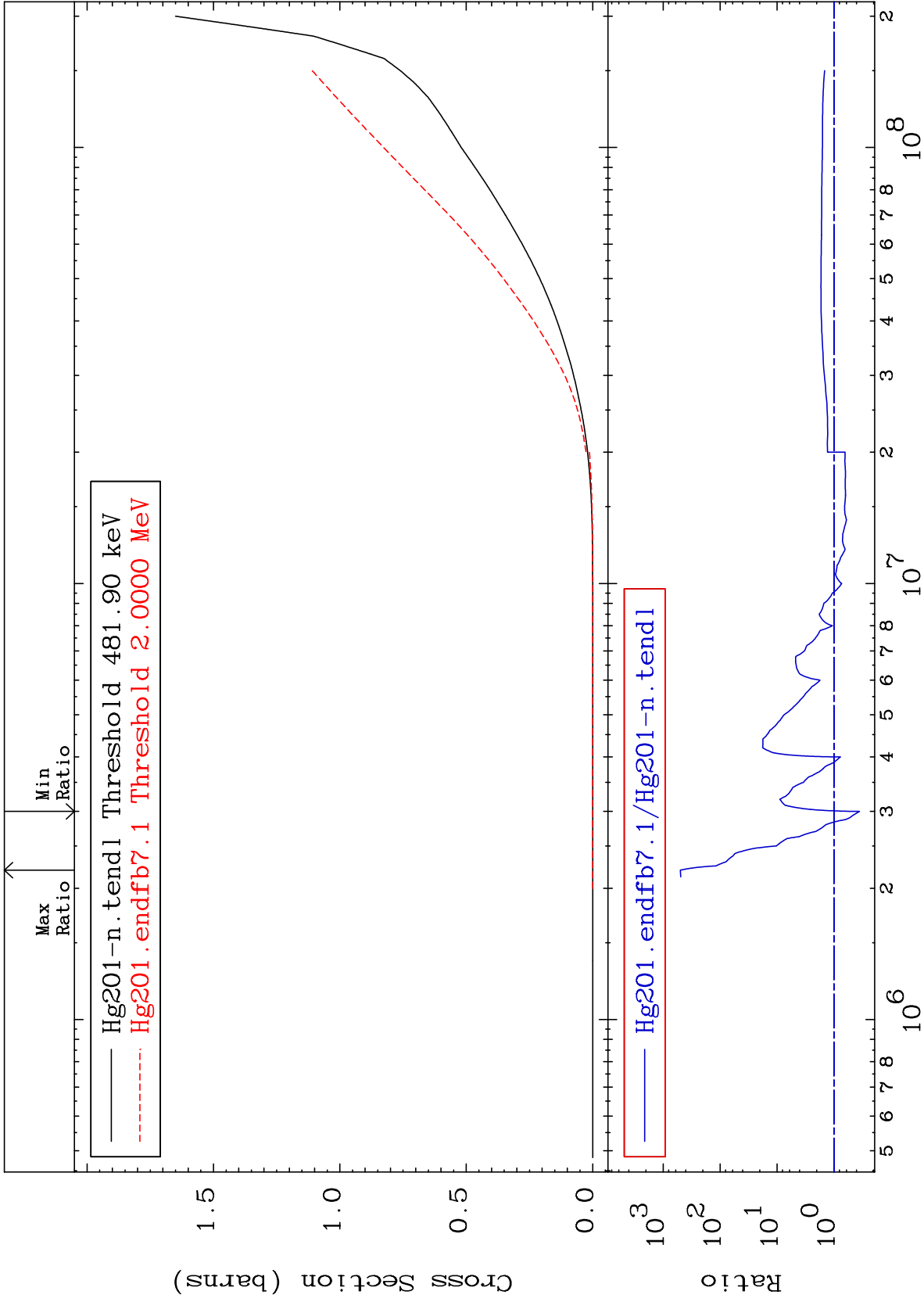
Incident Energy (eV)

80-Hg-201

MAT 8040

Hydrogen Production  
Cross Section

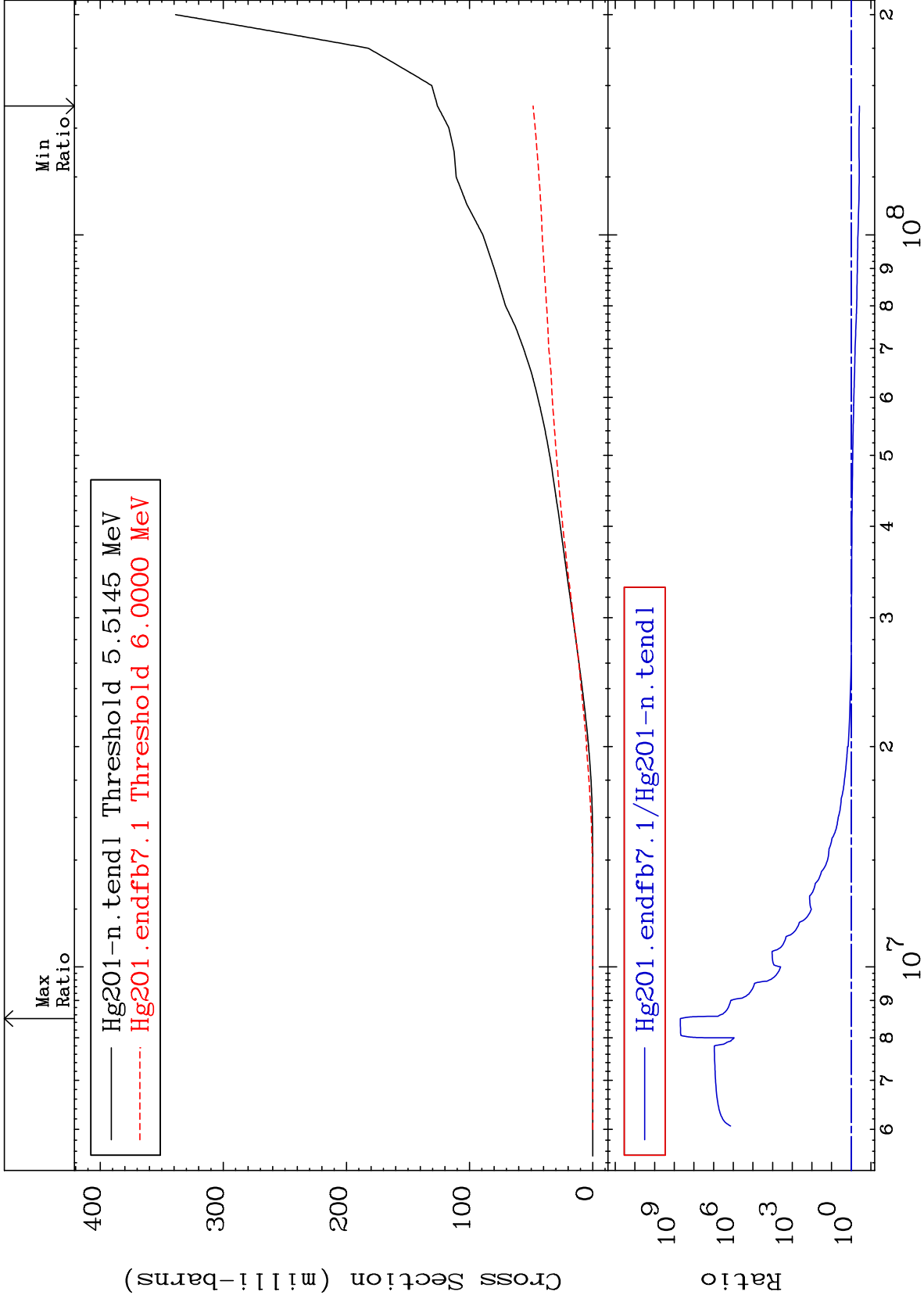
80-Hg-201  
-64.38 To 9999. %



MAT 8040

Deuterium Production  
Cross Section

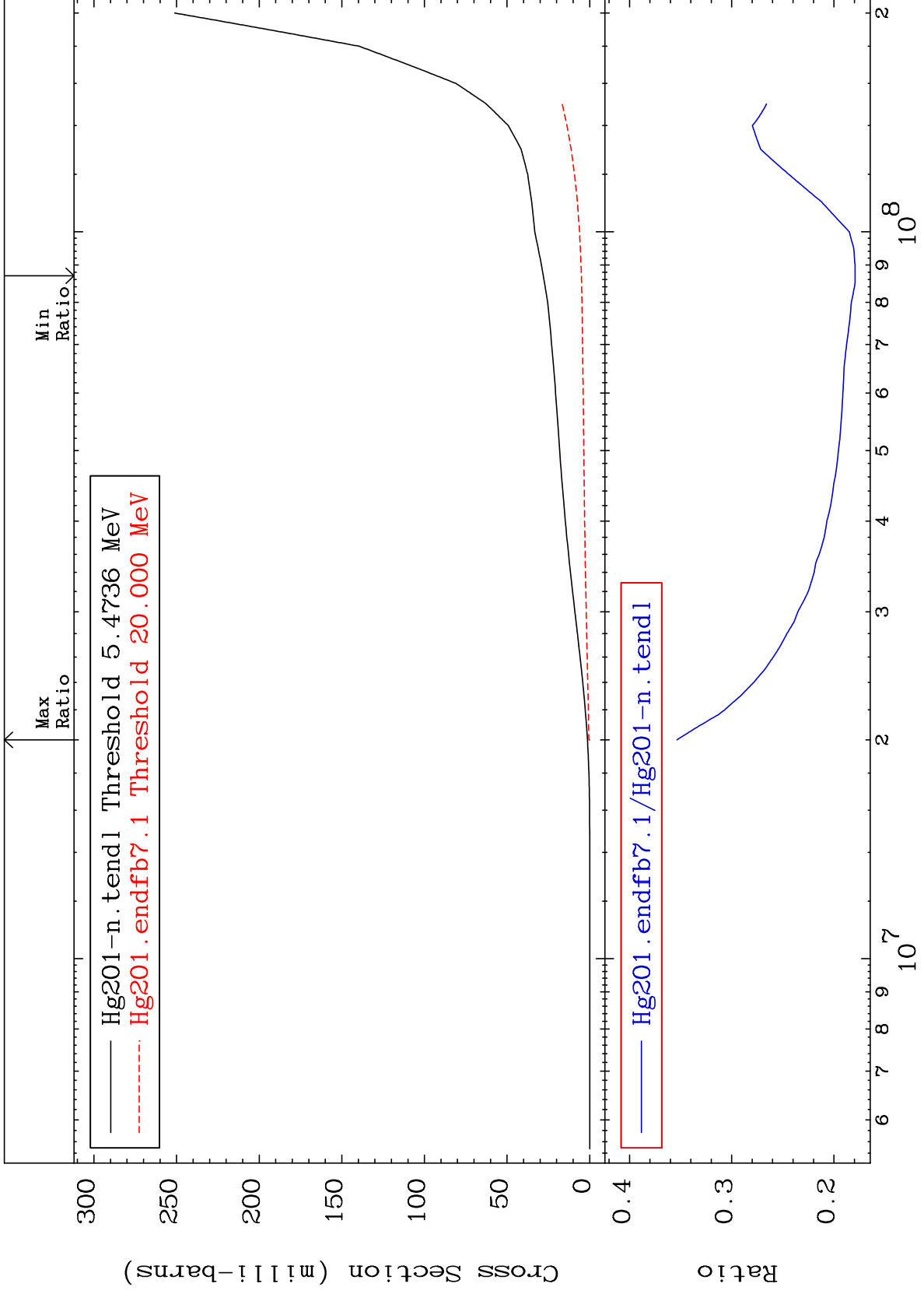
80-Hg-201  
-61.61 To 9999. %



MAT 8040

Tritium Production  
Cross Section

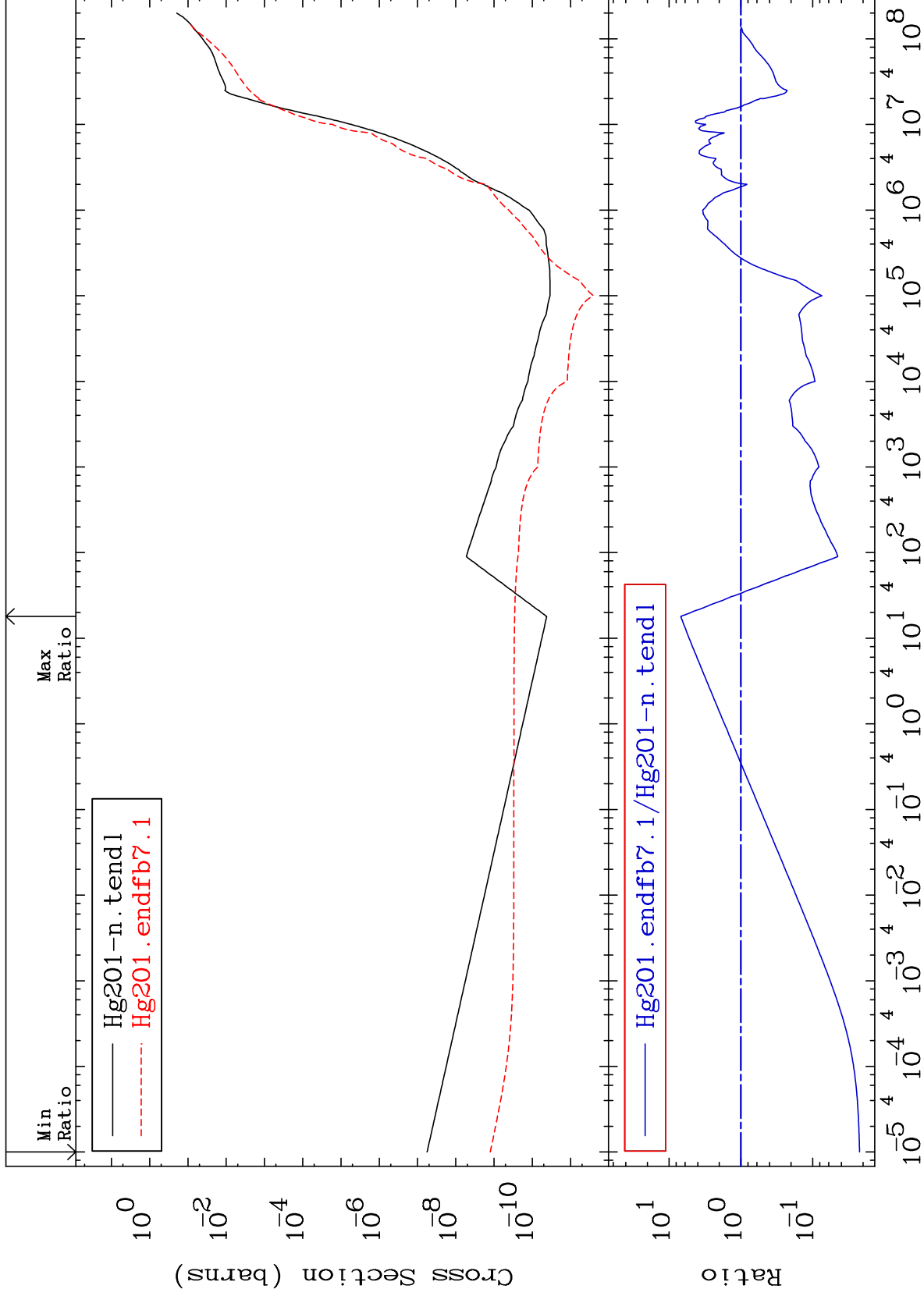
80-Hg-201  
-82.07 To -64.64%



MAT 8040

He-4 Production  
Cross Section

80-Hg-201  
-97.77 To 588.1 %



Hg201-n.tendl  
Hg201.endfb7.1

Hg201.endfb7.1/Hg201-n.tendl

30

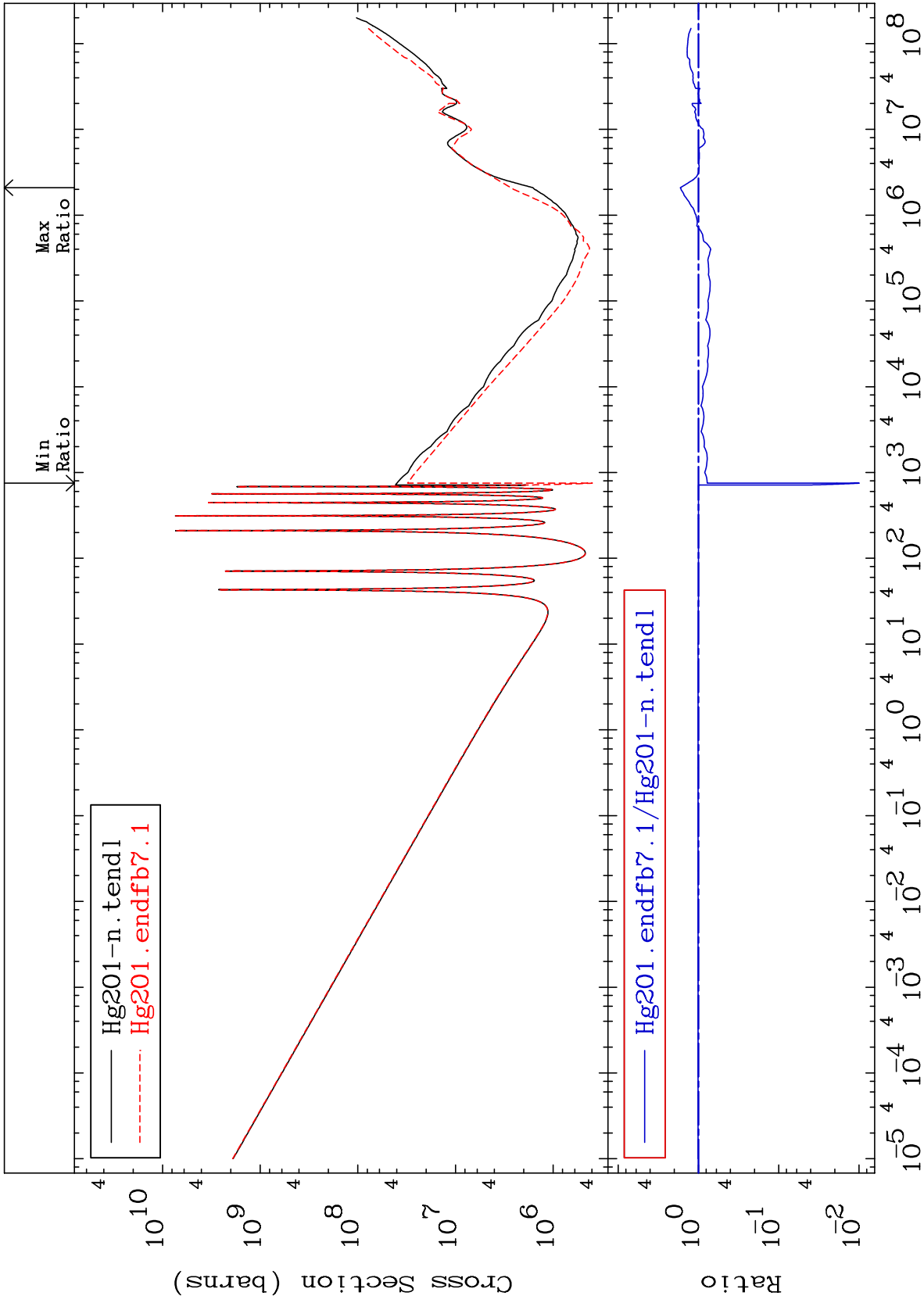
Incident Energy (eV)

80-Hg-201

MAT 8040

Kerma total (eV-barns)  
Cross Section

80-Hg-201  
-99.01 To 68.17 %



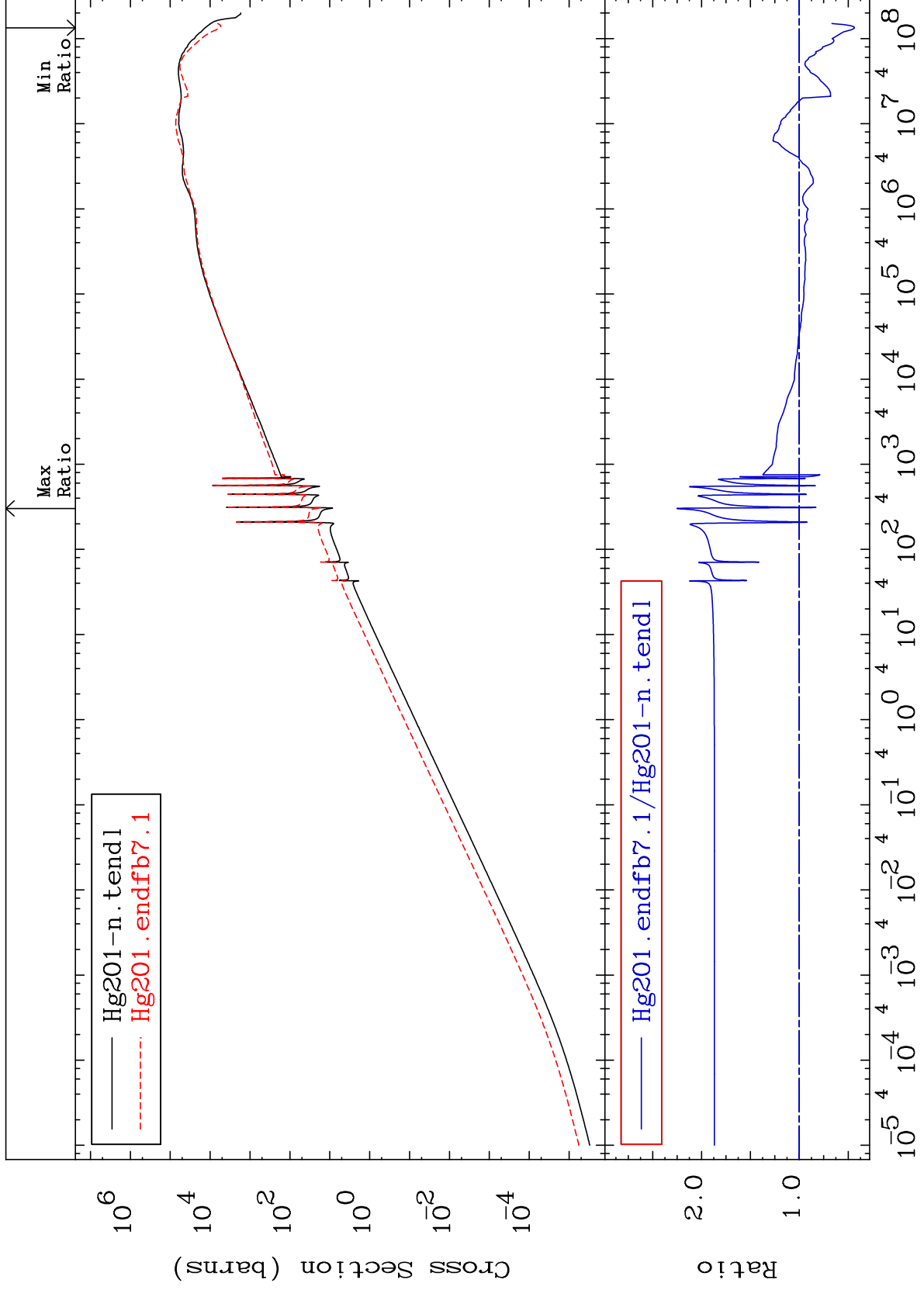
Hg201-n.tendl  
Hg201.endfb7.1

Hg201.endfb7.1/Hg201-n.tendl

MAT 8040

Kerma elastic  
Cross Section

80-Hg-201  
-56.46 To 125.3 %

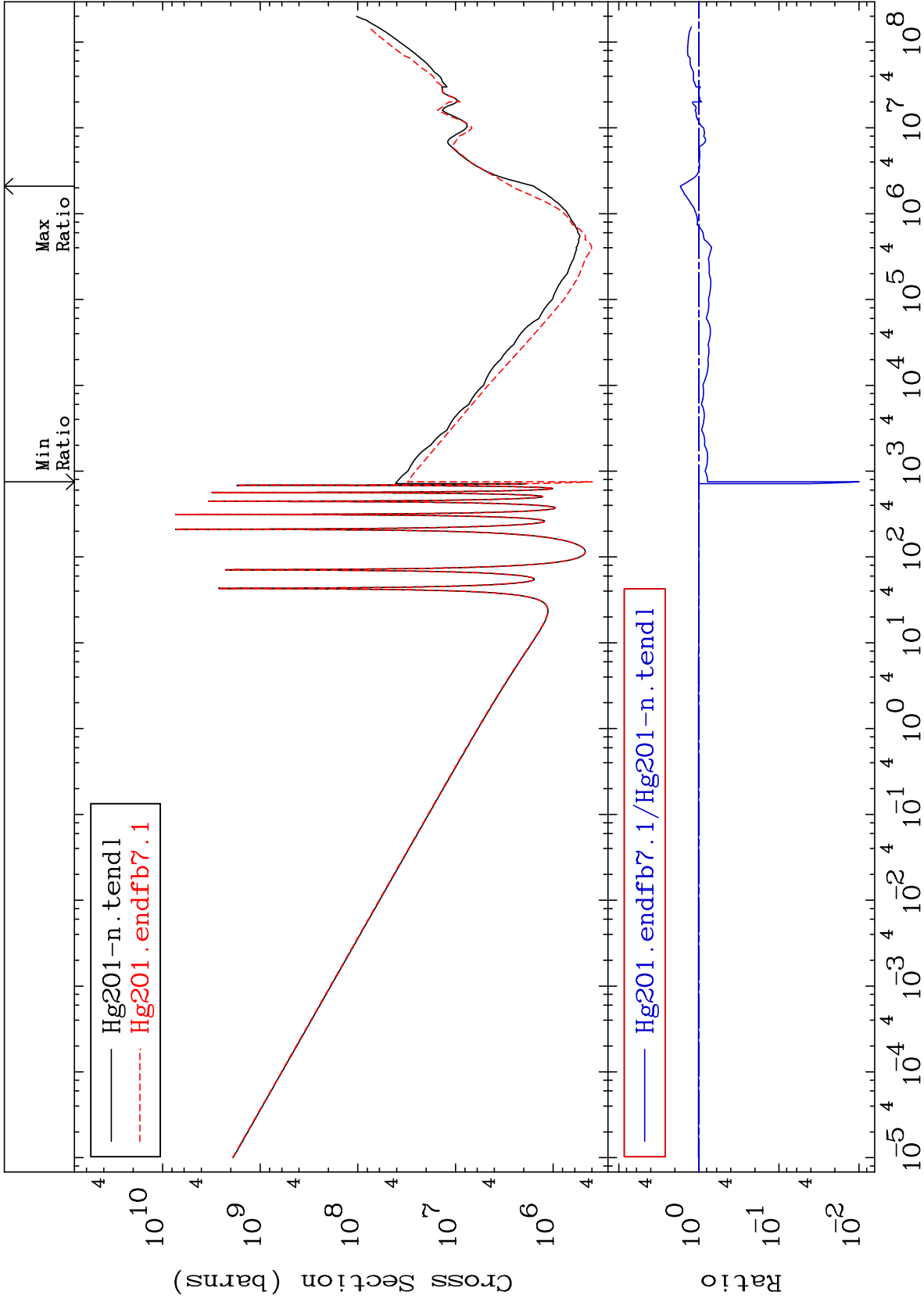




MAT 8040

Kerma non-elastic (all but mt2)  
Cross Section

80-Hg-201  
-99.01 To 70.52 %

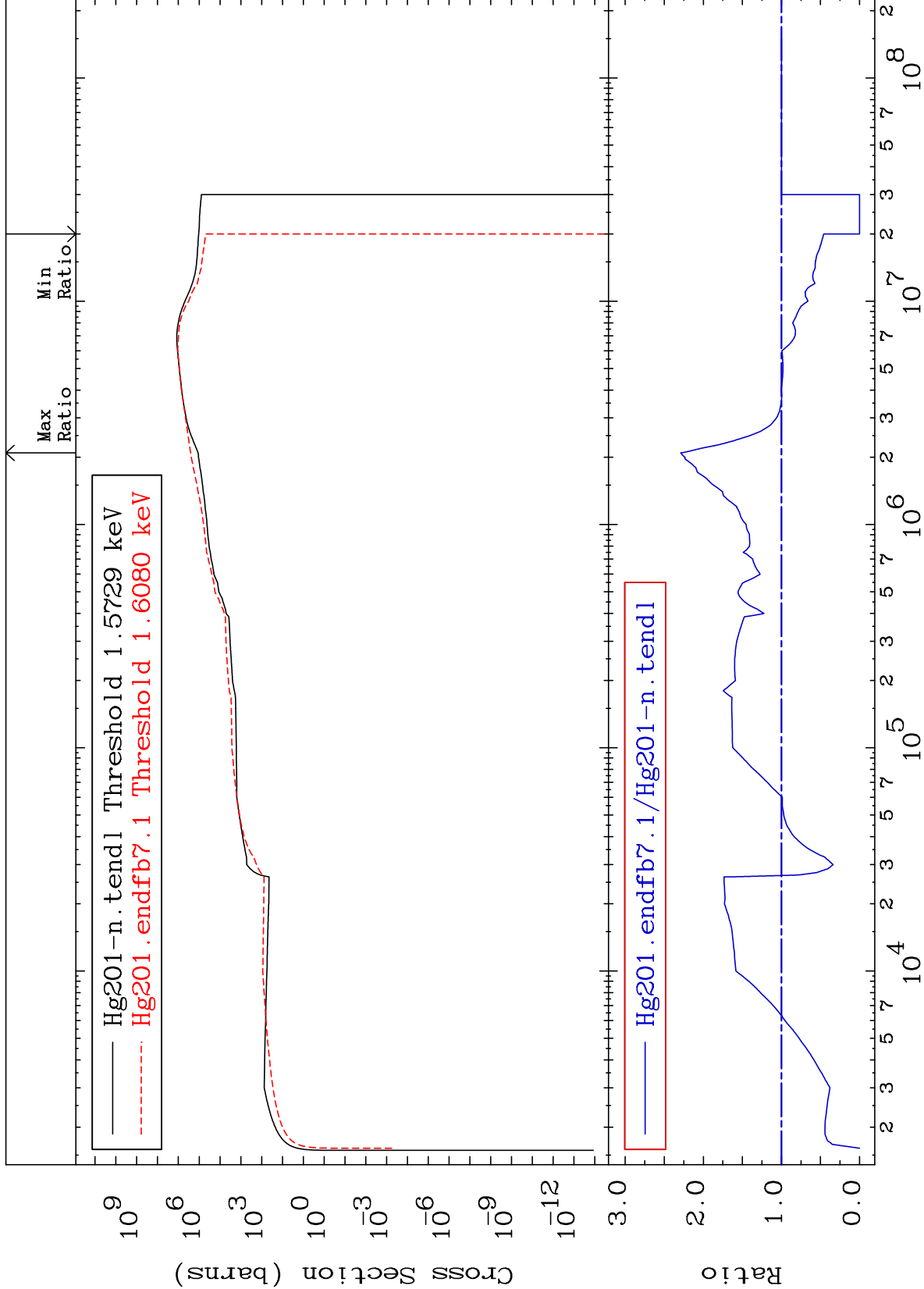


MAT 8040

Kerma inelastic (mt51-91)  
Cross Section

80-Hg-201  
-100.0 To 128.9 %

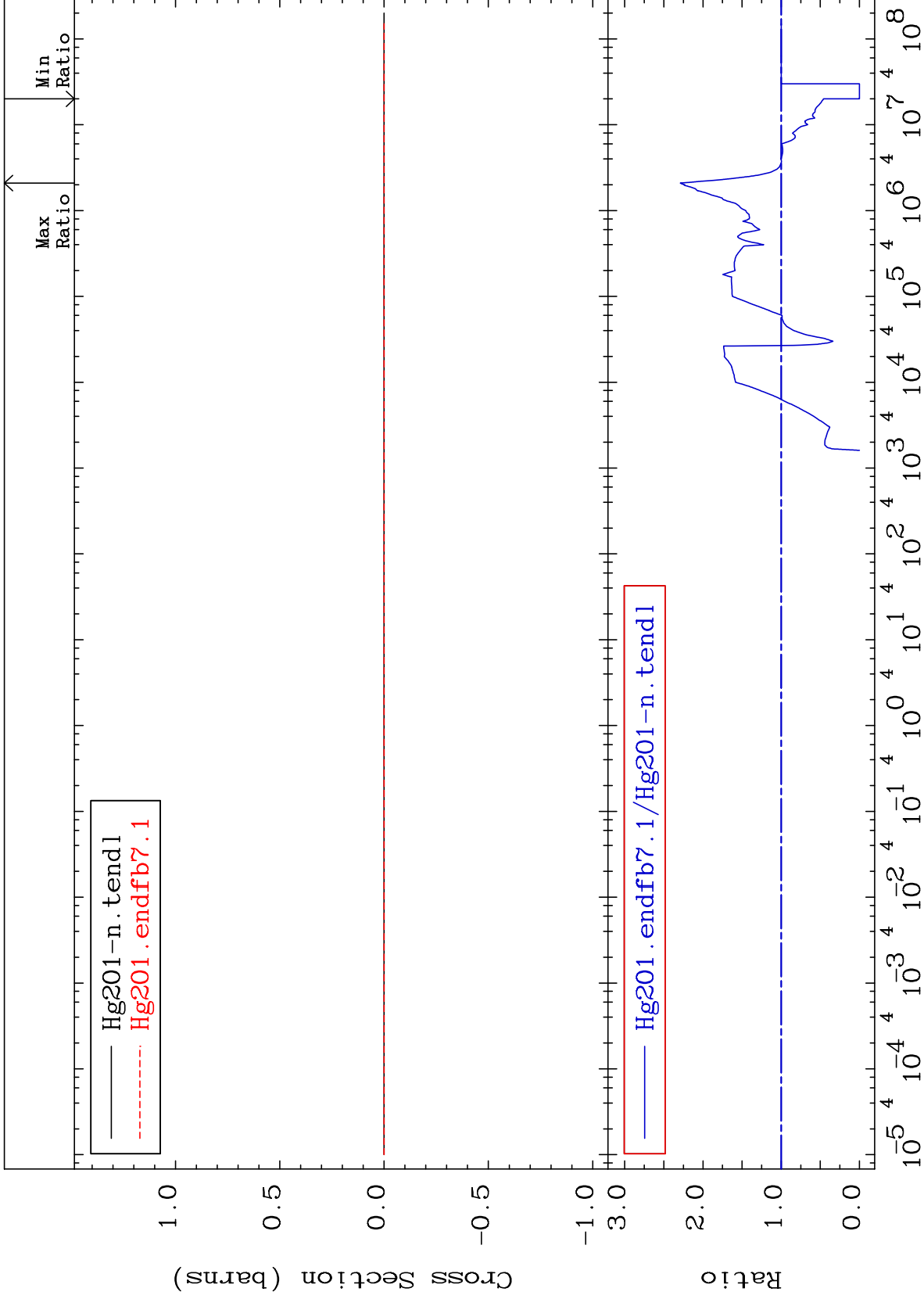
Hg201-n.tendl Threshold 1.5729 keV  
Hg201.endfb7.1 Threshold 1.6080 keV



MAT 8040

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

80-Hg-201  
-100.0 To 128.9 %



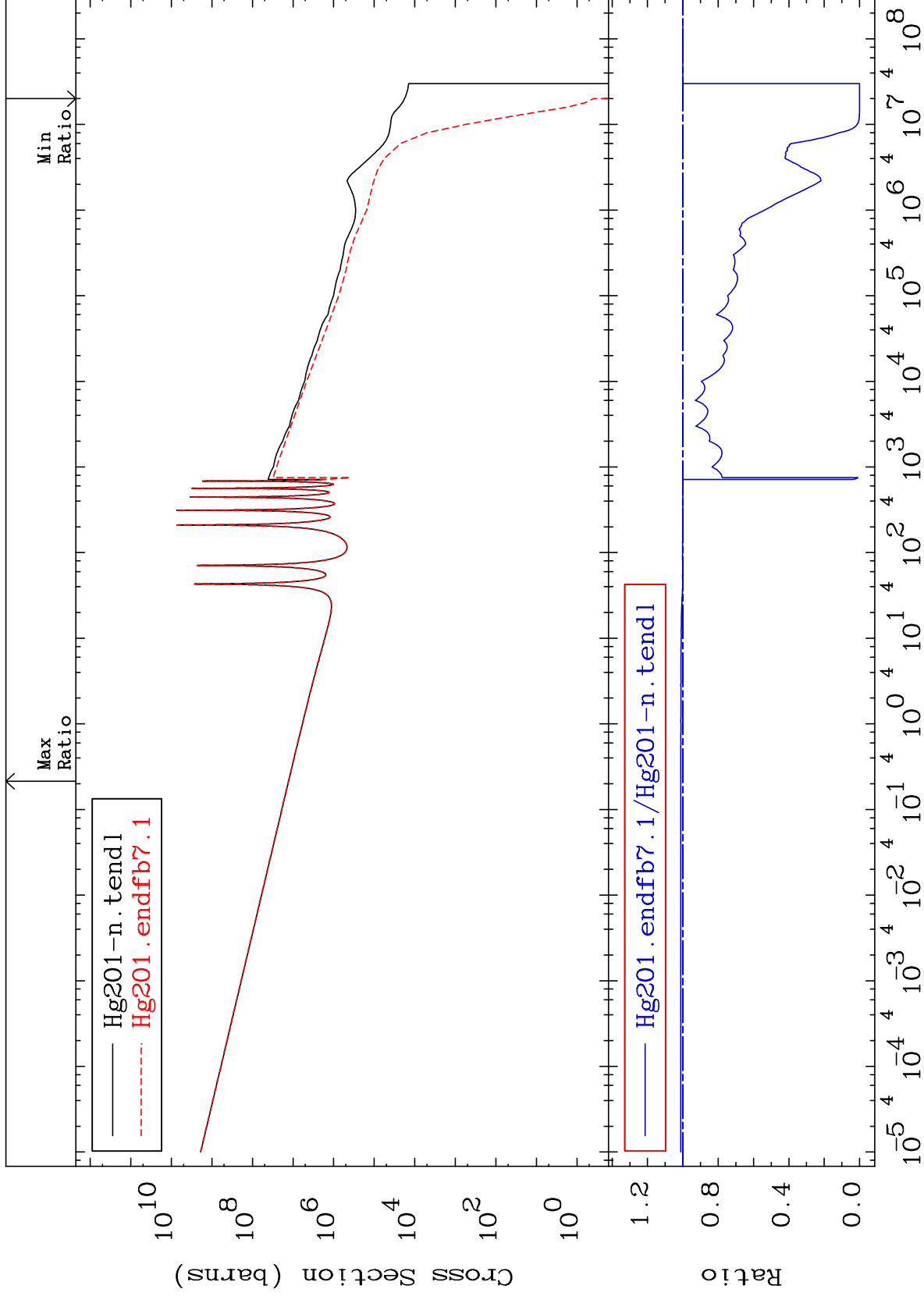
35

80-Hg-201

MAT 8040

Kerma capture (mt102)  
Cross Section

80-Hg-201  
-100.0 To 1.181 %

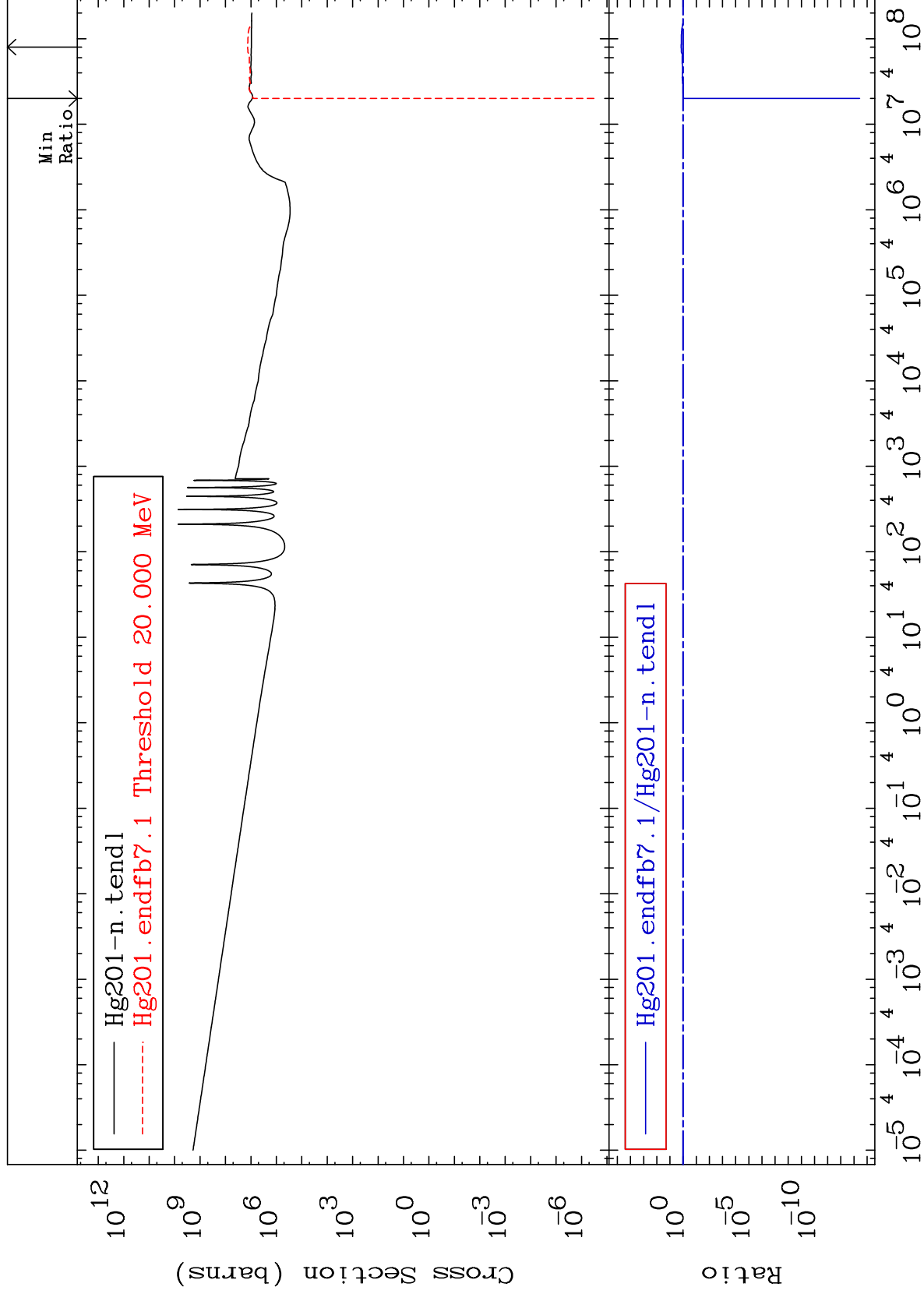


MAT 8040

Total photon (eV-barns)  
Cross Section

80-Hg-201

-100.0 To 40.07 %



37

Incident Energy (eV)

80-Hg-201

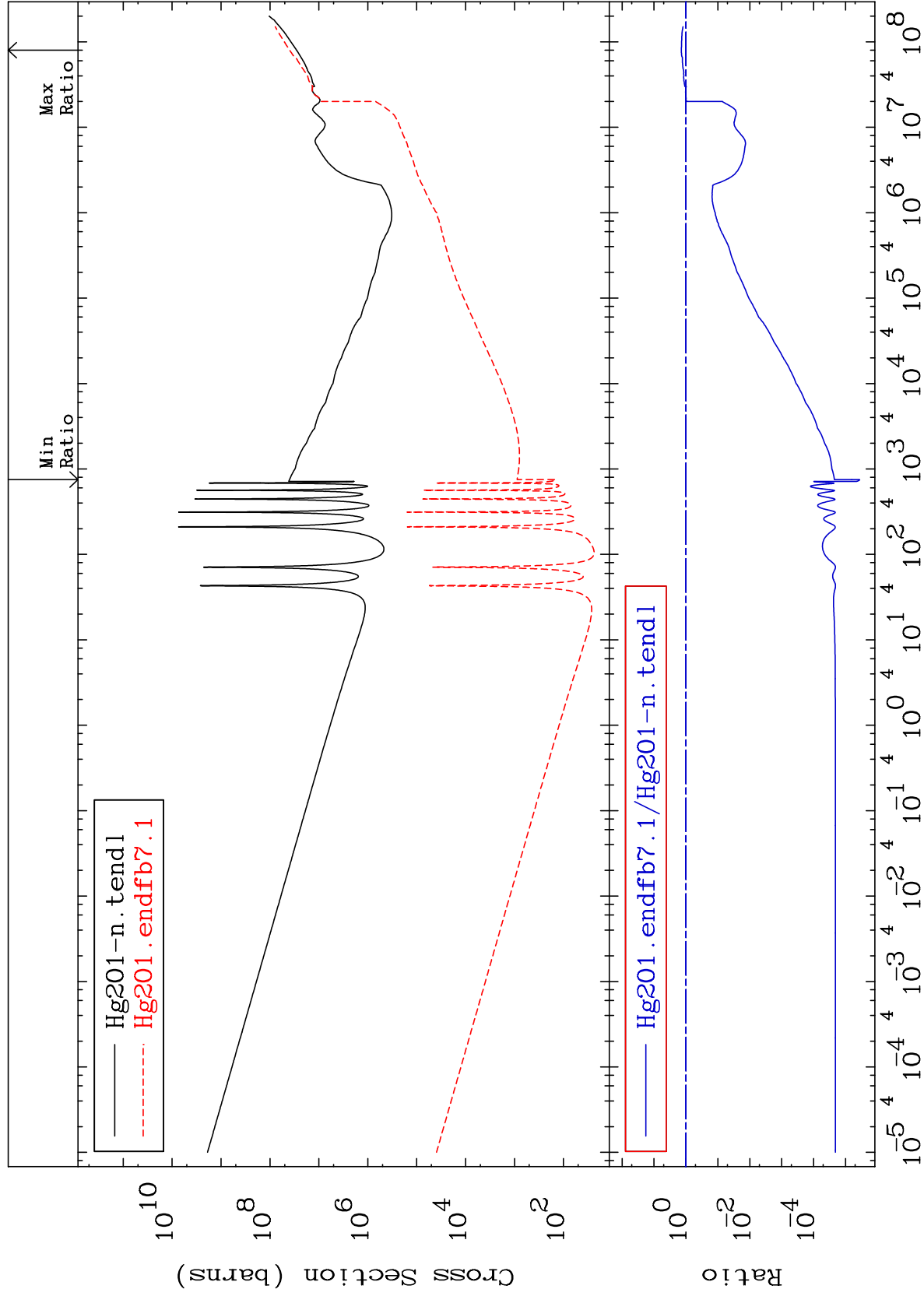
MAT 8040

Total kinematic kerma (high limit)

80-Hg-201

Cross Section

-100.0 To 38.70 %



38

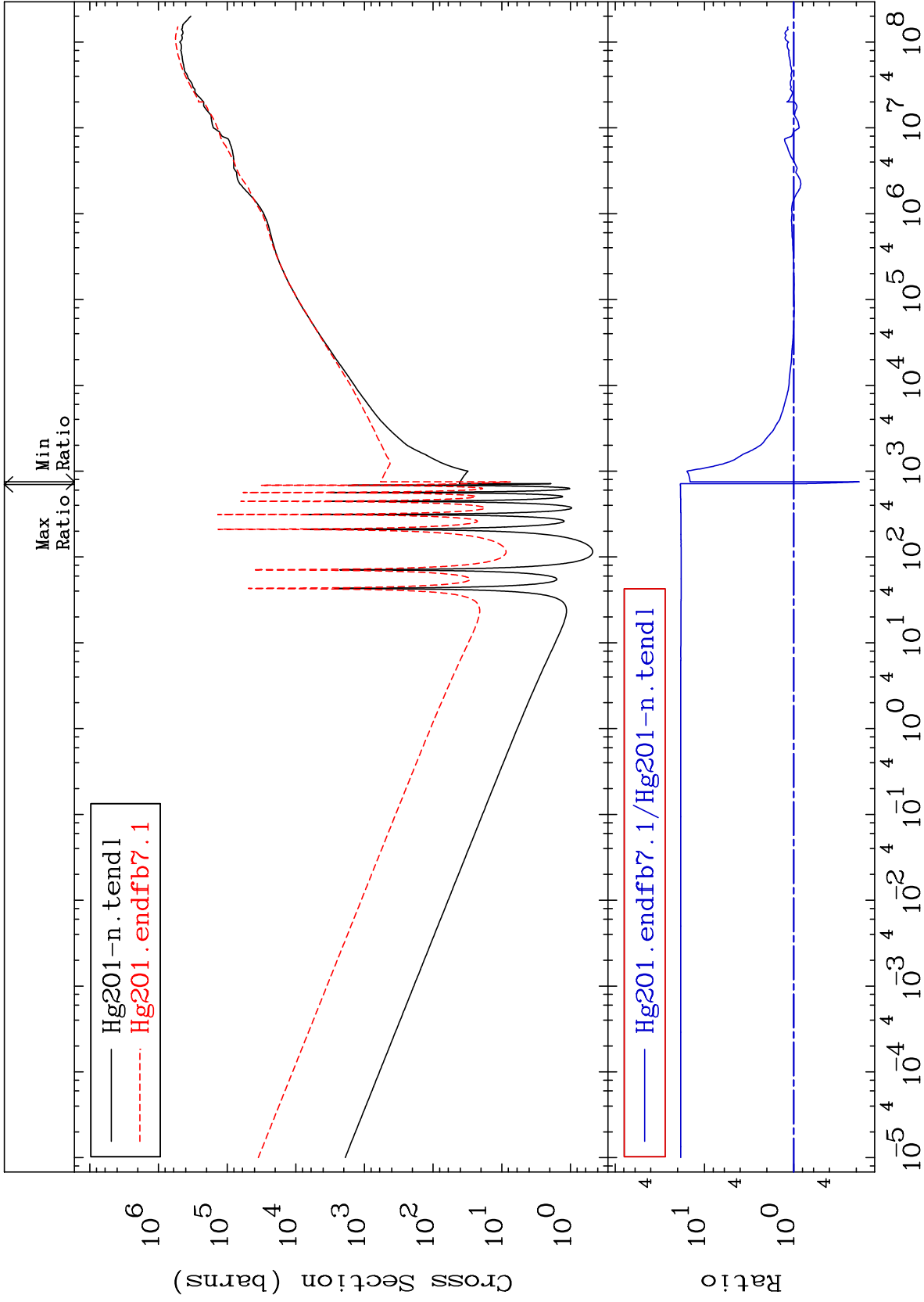
Incident Energy (eV)

80-Hg-201

MAT 8040

Dpa total (eV-barns)  
Cross Section

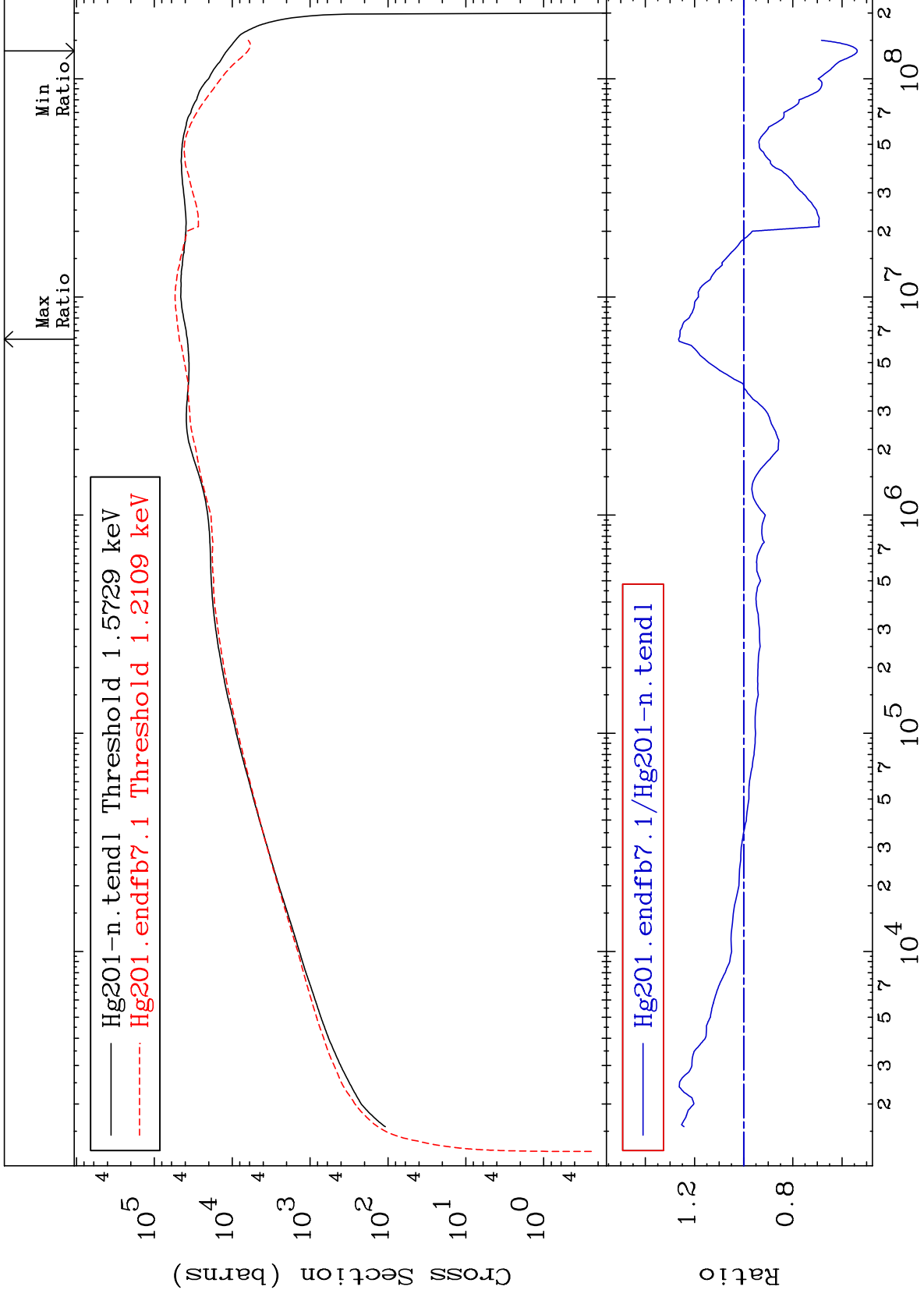
80-Hg-201  
-81.57 To 1764. %



MAT 8040

Dpa elastic (mt2)  
Cross Section

80-Hg-201  
-46.22 To 26.48 %



40

Incident Energy (eV)

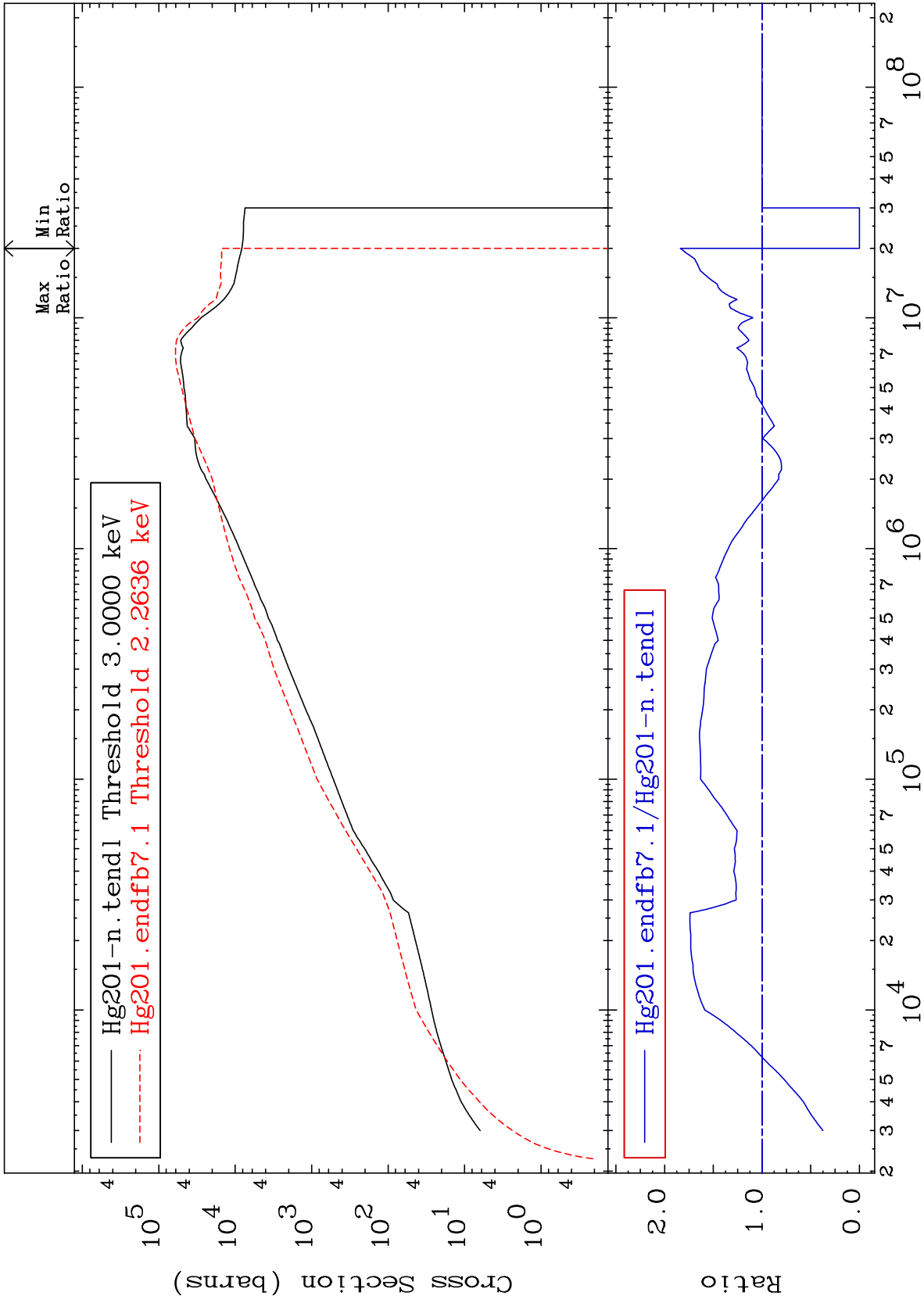
80-Hg-201



MAT 8040

Dpa inelastic (mt51-91)  
Cross Section

80-Hg-201  
-100.0 To 83.88 %



41

Incident Energy (eV)

80-Hg-201

MAT 8040

Dpa disappearance (mt102 -120)  
Cross Section

80-Hg-201  
-100.0 To 9999. %

