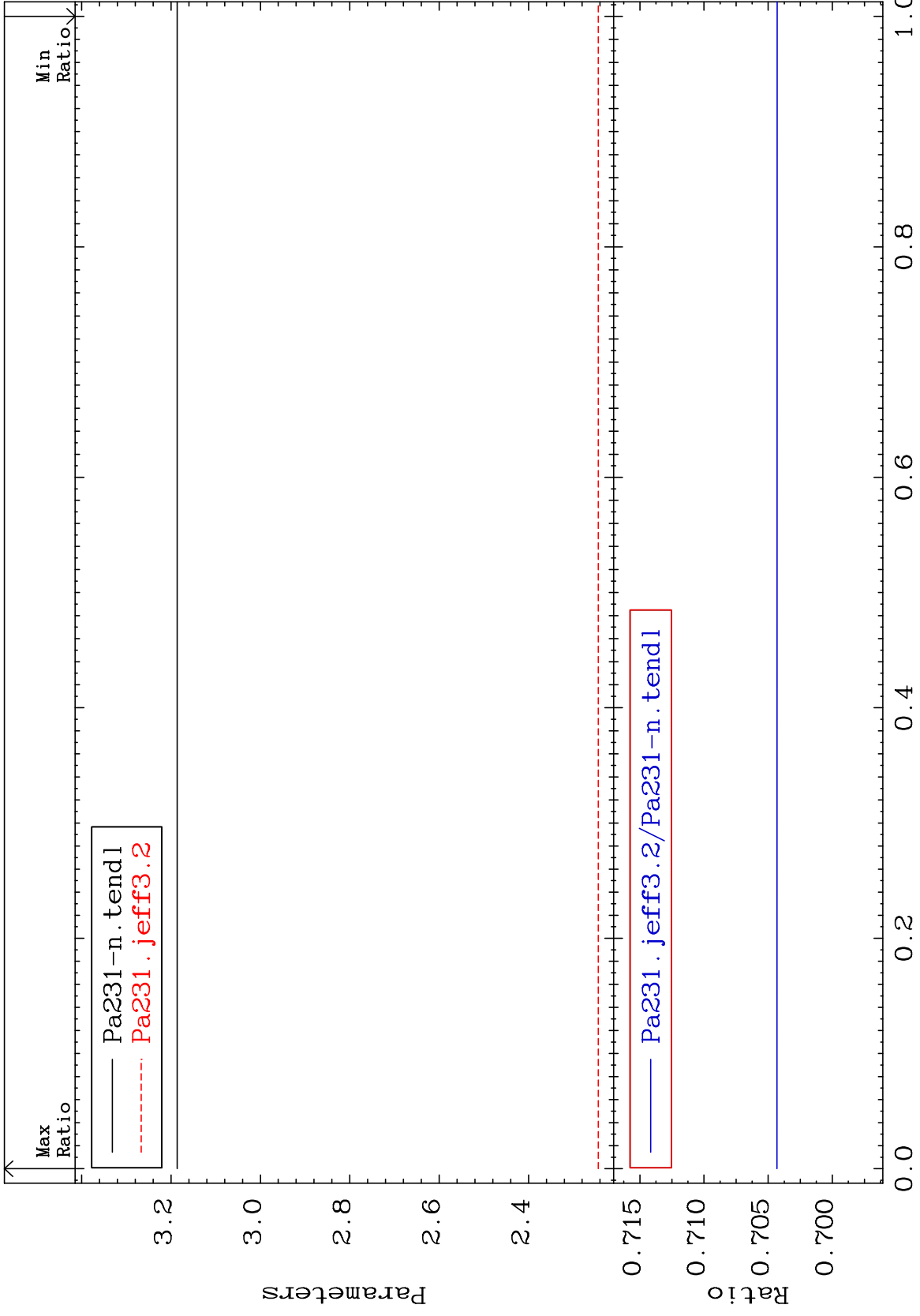


MAT 9131

Total  $\bar{\nu}$   
Parameters

91-Pa-231  
-29.57 To -29.57%



1

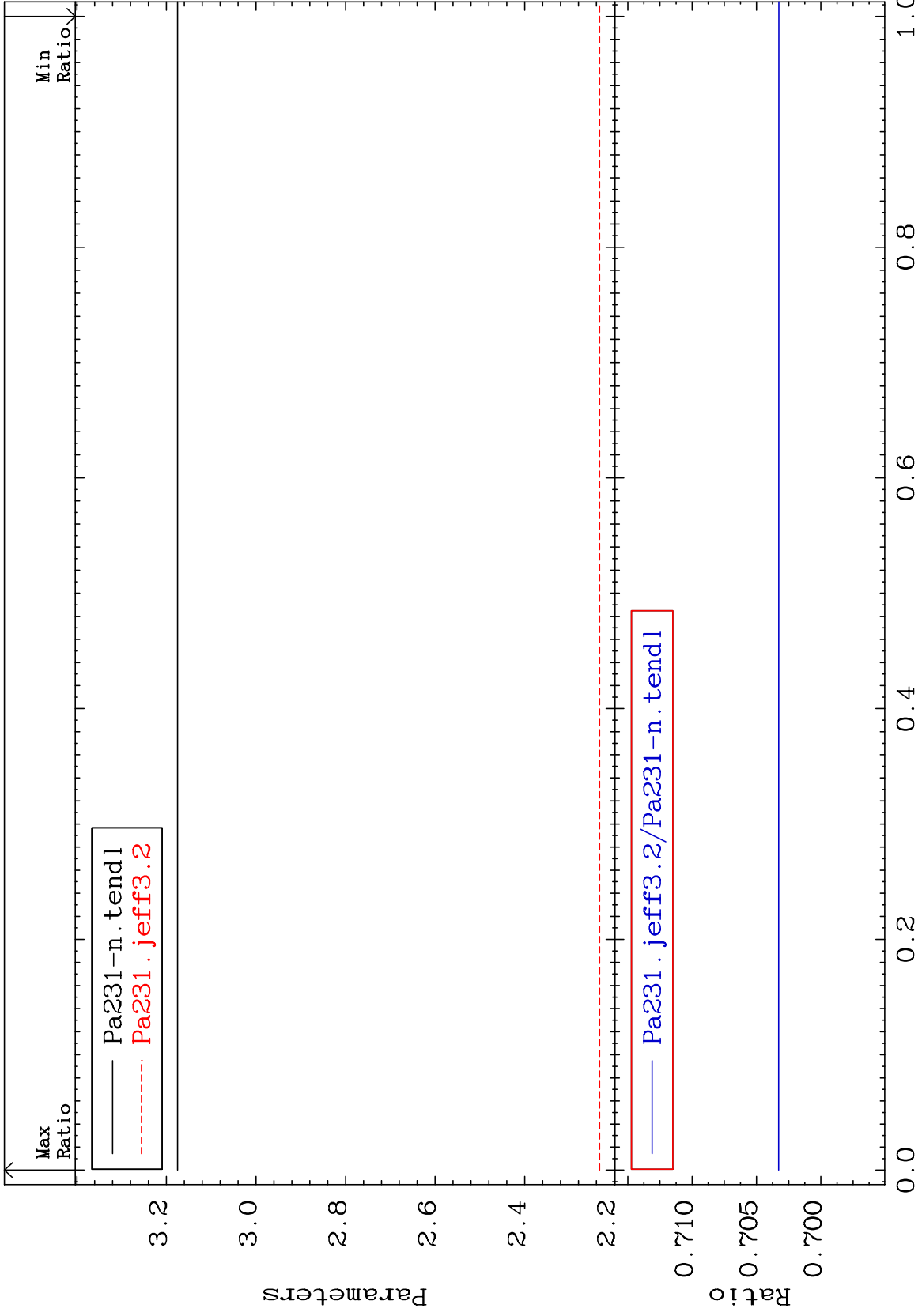
Incident Energy (KeV)

91-Pa-231

MAT 9131

Prompt  $\bar{\nu}$   
Parameters

91-Pa-231  
-29.67 To -29.67%



2

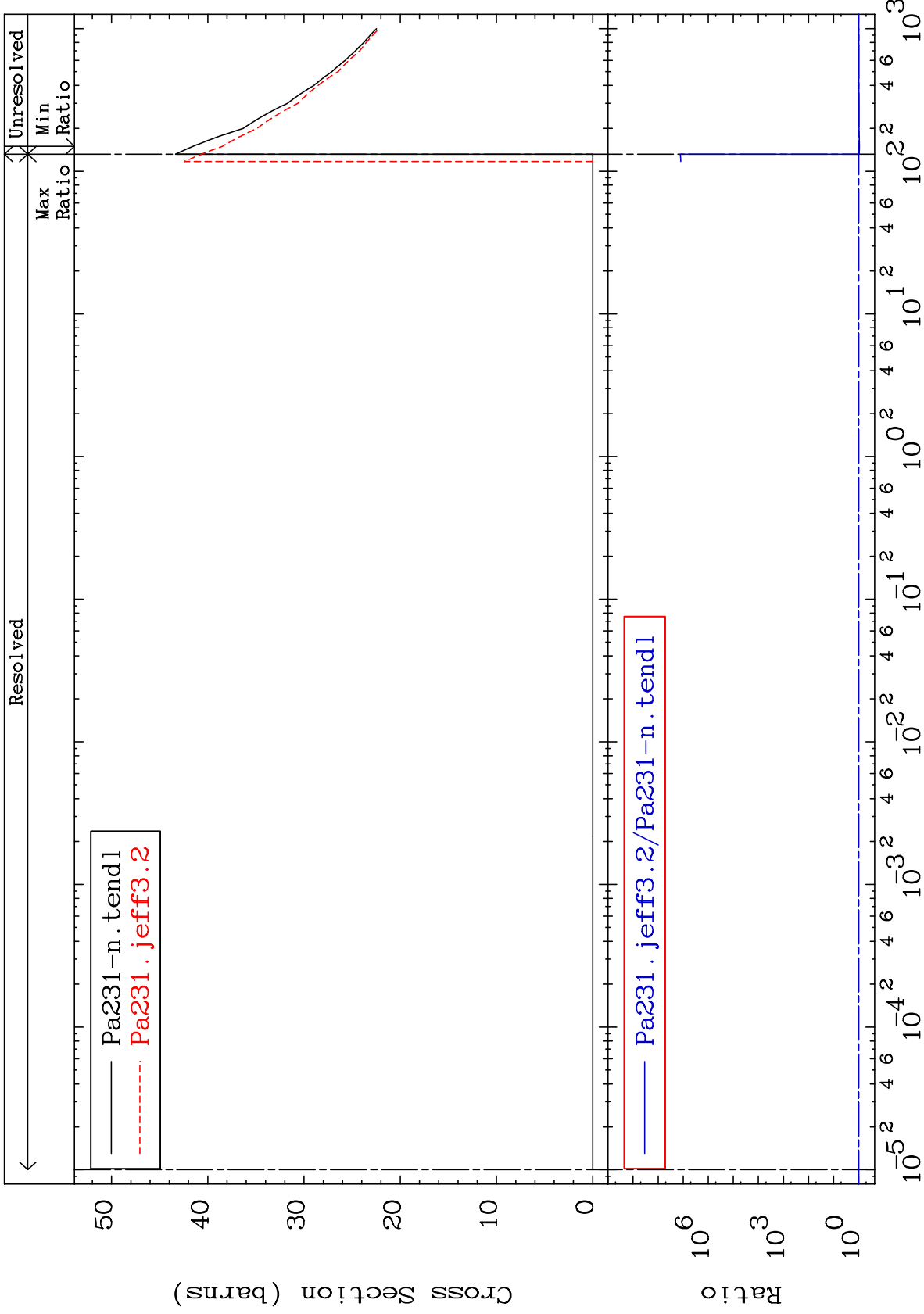
Incident Energy (KeV)

91-Pa-231

MAT 9131

Total  
Cross Section

91-Pa-231  
-7.288 To 9999. %



91-Pa-231

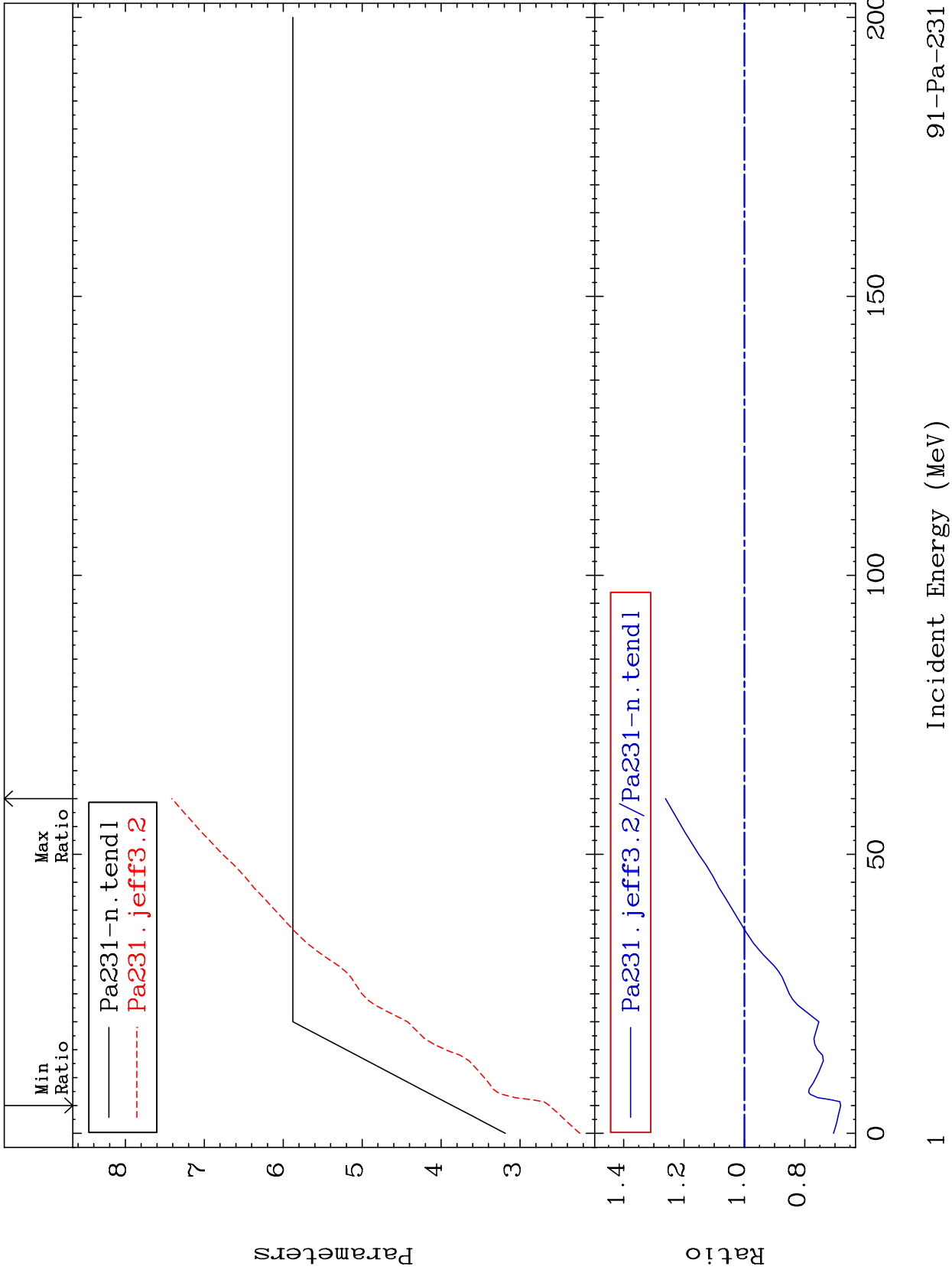
Incident Energy (eV)

3

MAT 9131

Total  $\bar{\nu}$   
Parameters

91-Pa-231  
-31.91 To 26.13 %



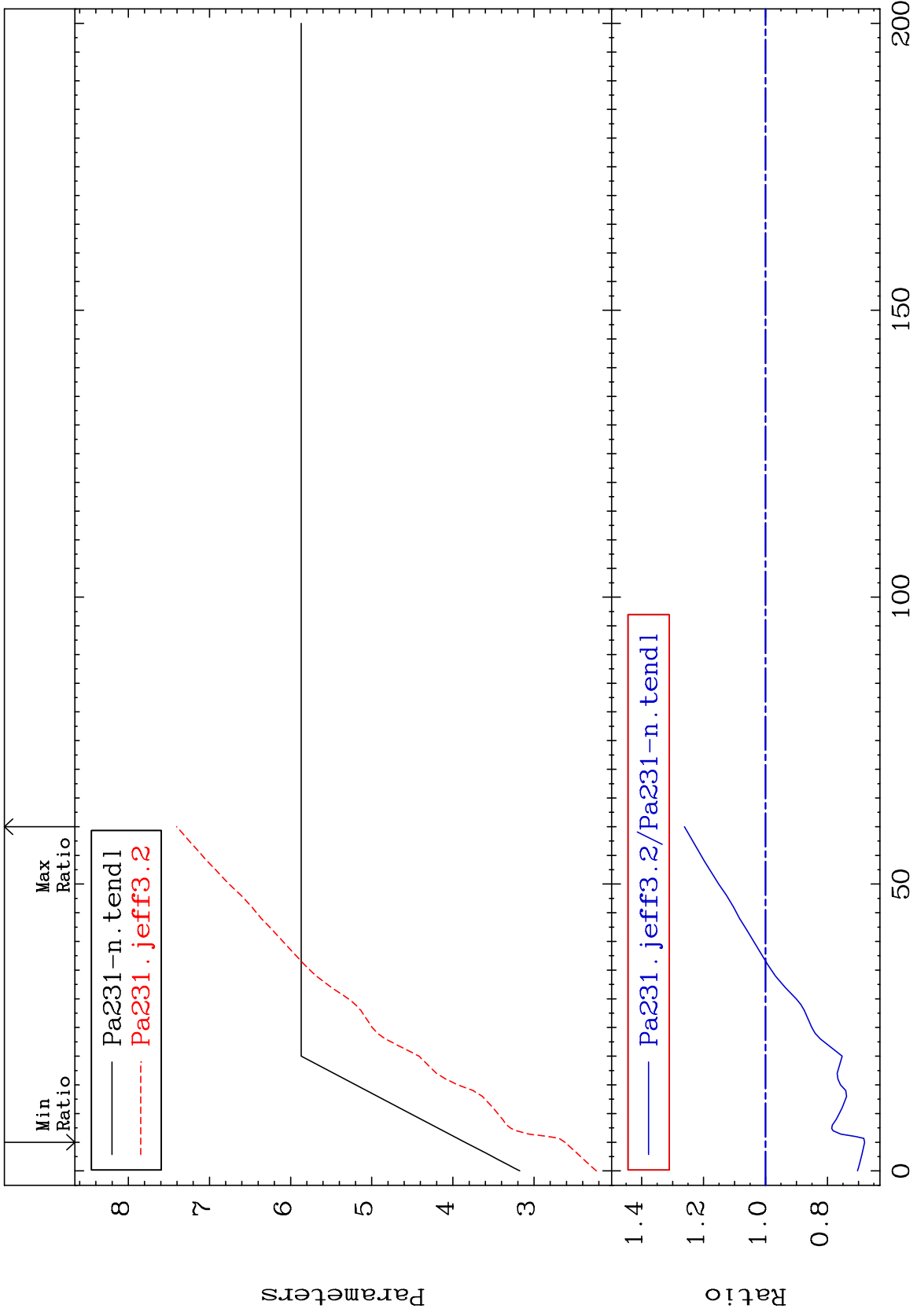
Incident Energy (MeV)

91-Pa-231

MAT 9131

Prompt  $\bar{\nu}$   
Parameters

91-Pa-231  
-31.99 To 26.17 %



2

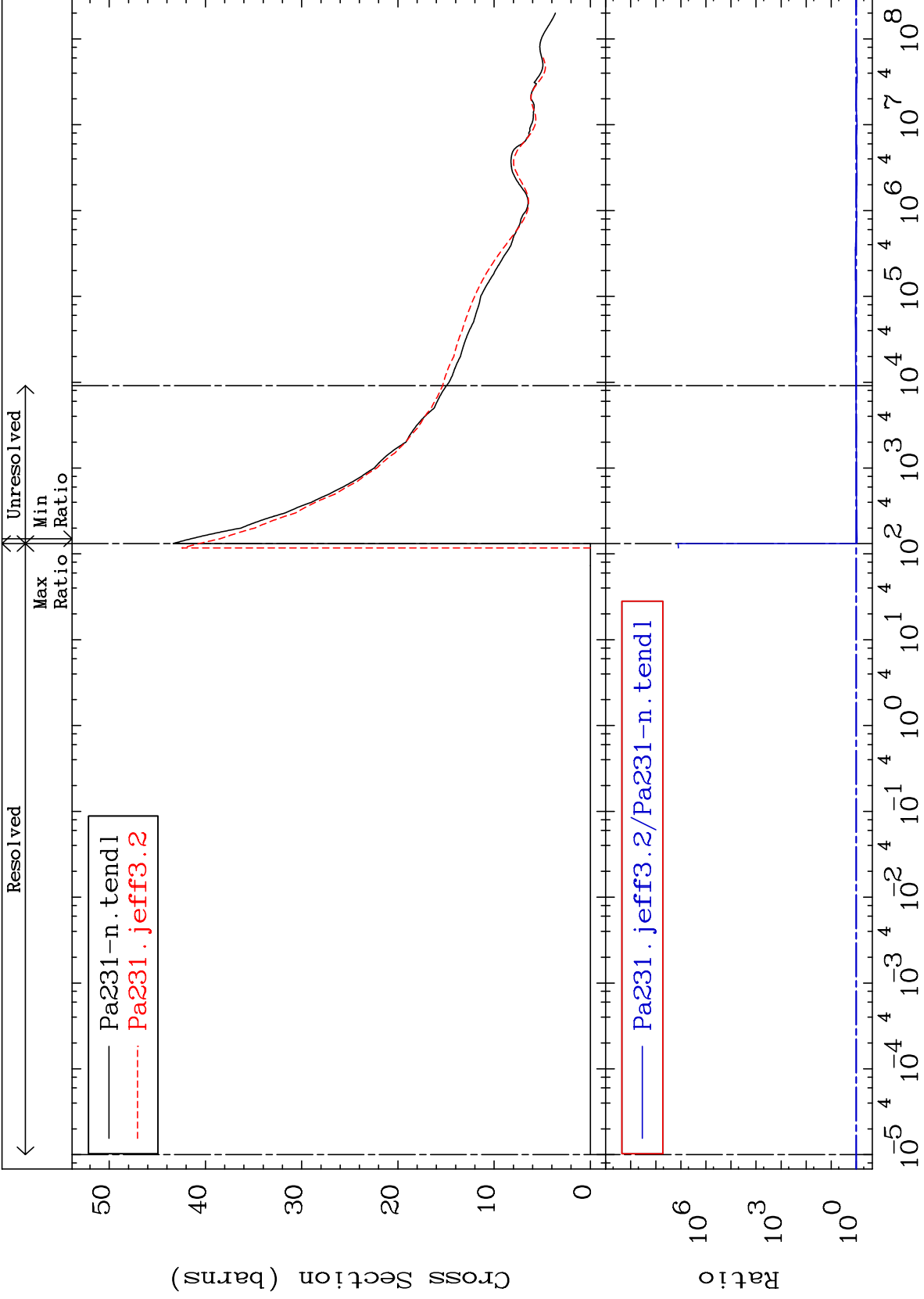
Incident Energy (MeV)

91-Pa-231

MAT 9131

Total  
Cross Section

91-Pa-231  
-7.288 To 9999. %



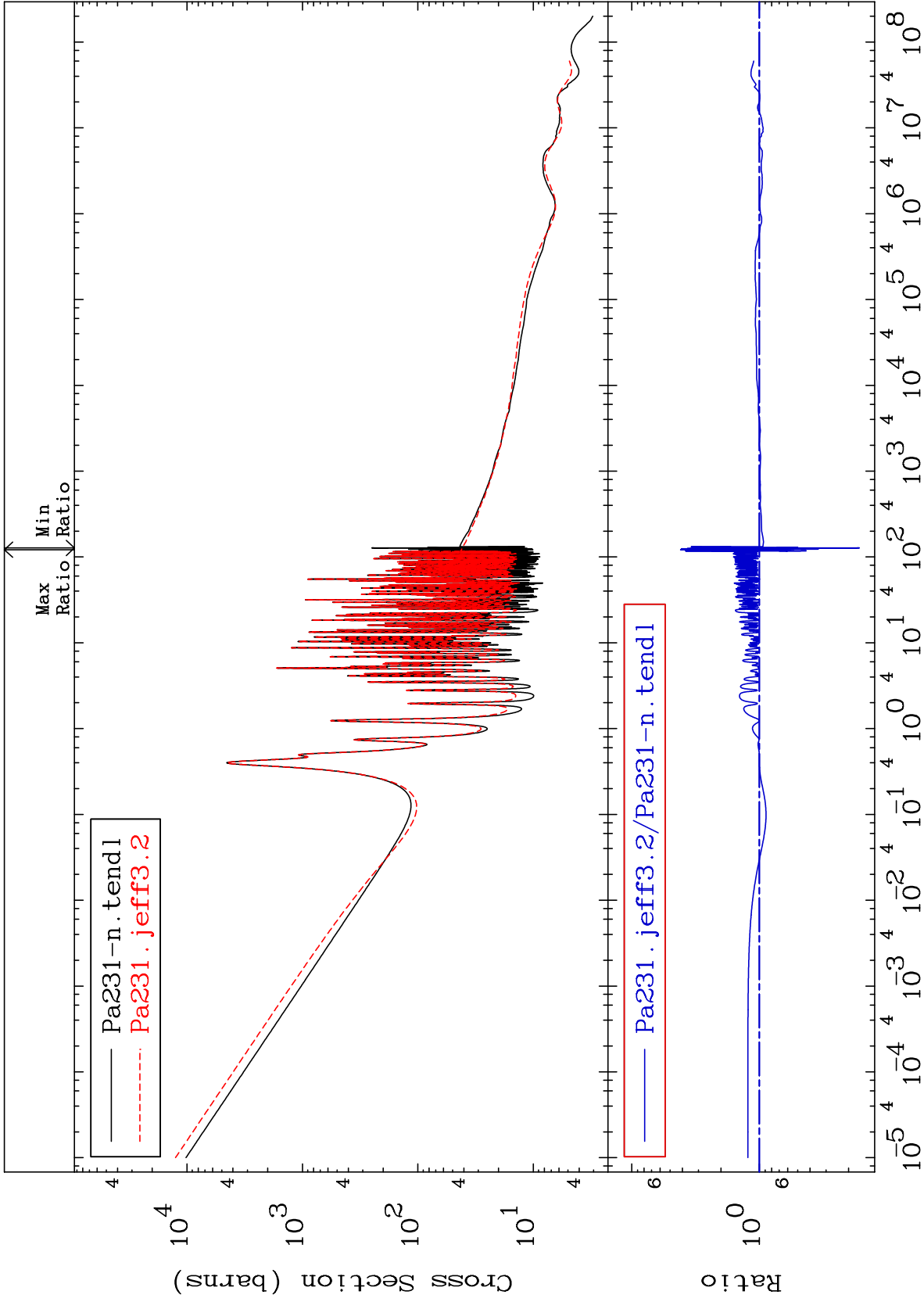
3

Incident Energy (eV)

91-Pa-231

MAT 9131

Total Cross Section  
91-Pa-231  
-83.58 To 315.8 %



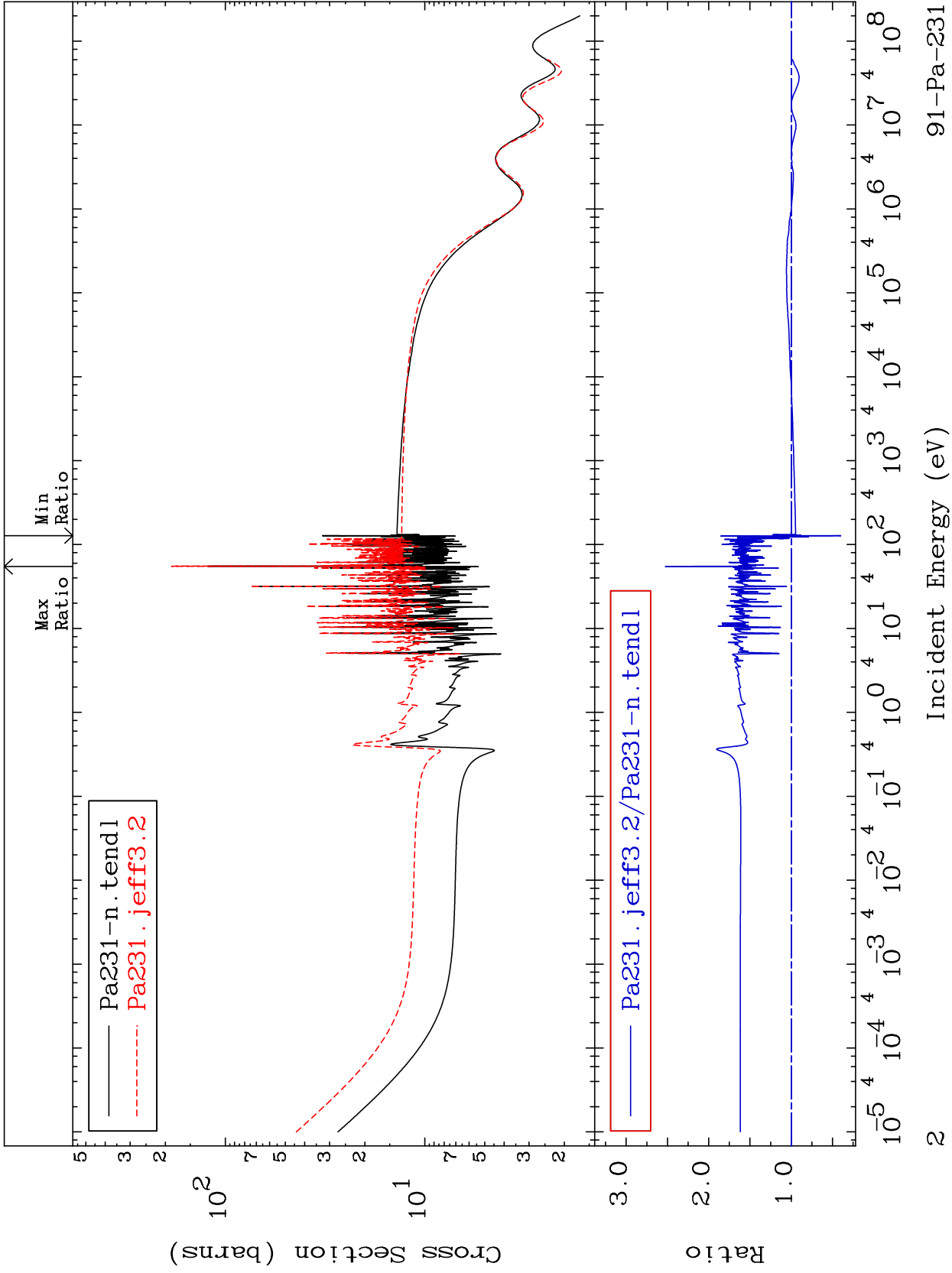
91-Pa-231

Incident Energy (eV)

MAT 9131

Elastic  
Cross Section

91-Pa-231  
-59.82 To 152.3 %



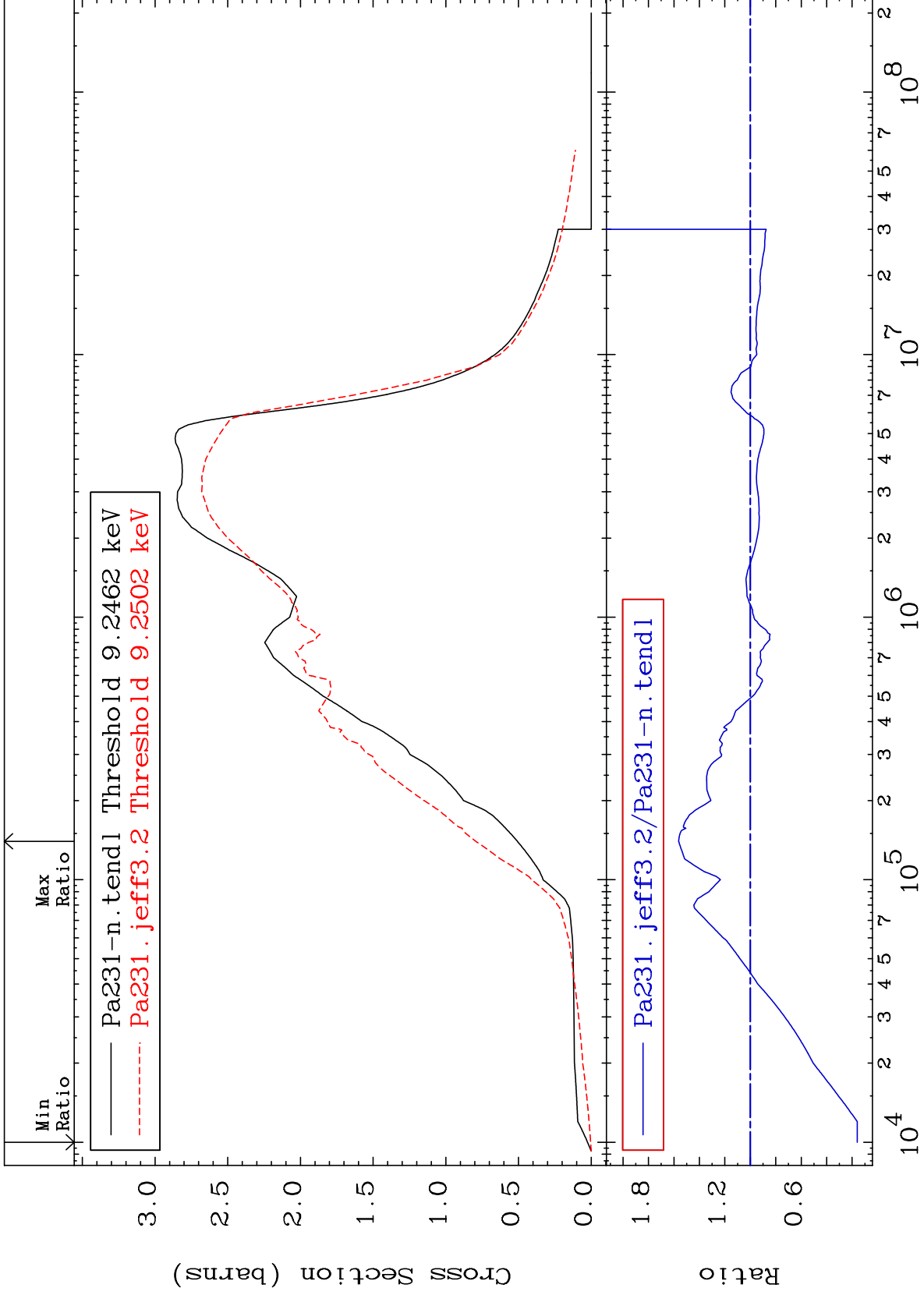
91-Pa-231



MAT 9131

Inelastic  
Cross Section

91-Pa-231  
-84.02 To 56.31 %



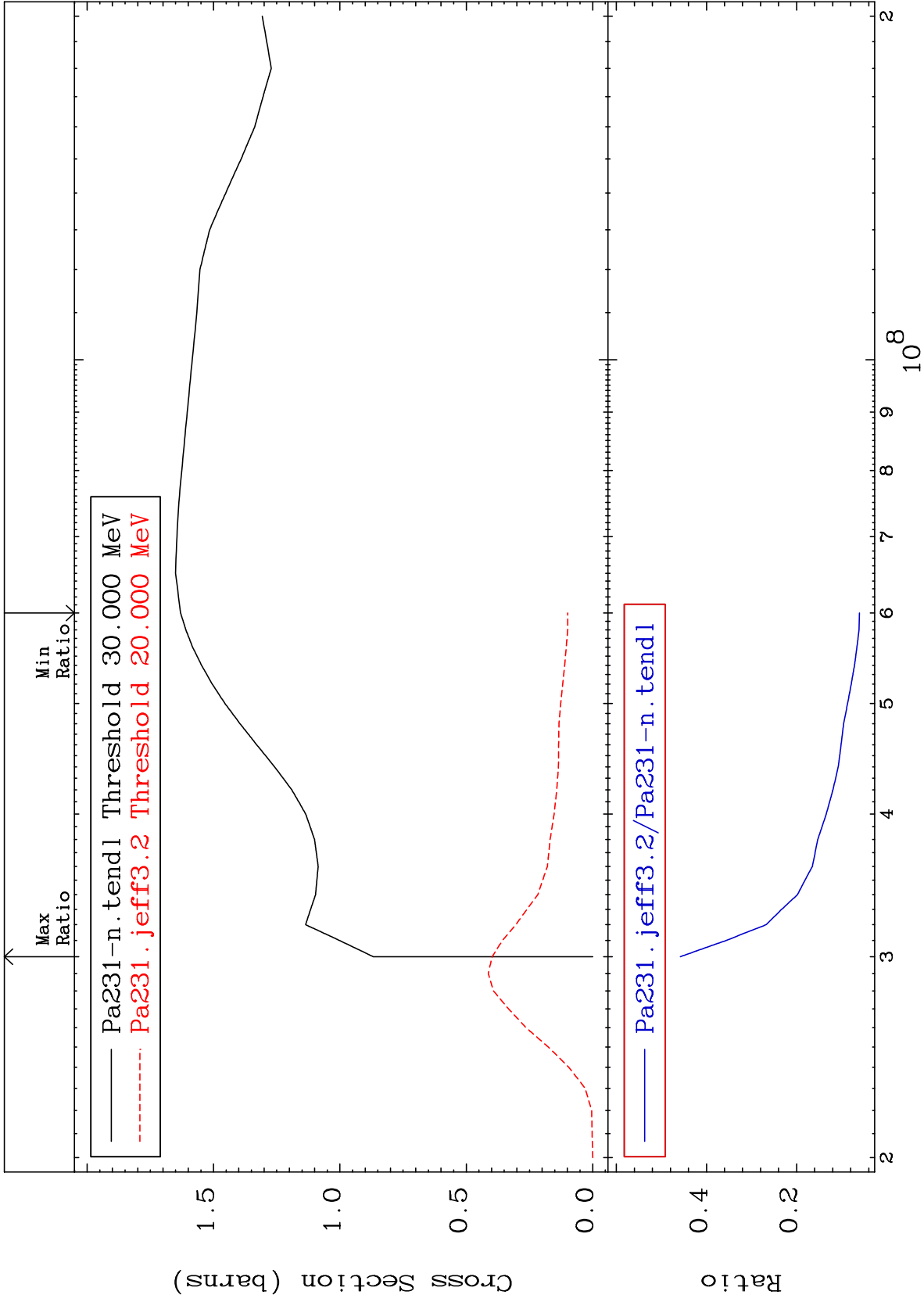
3

91-Pa-231

MAT 9131

(n, remainder)  
Cross Section

91-Pa-231  
-93.94 To -54.20%



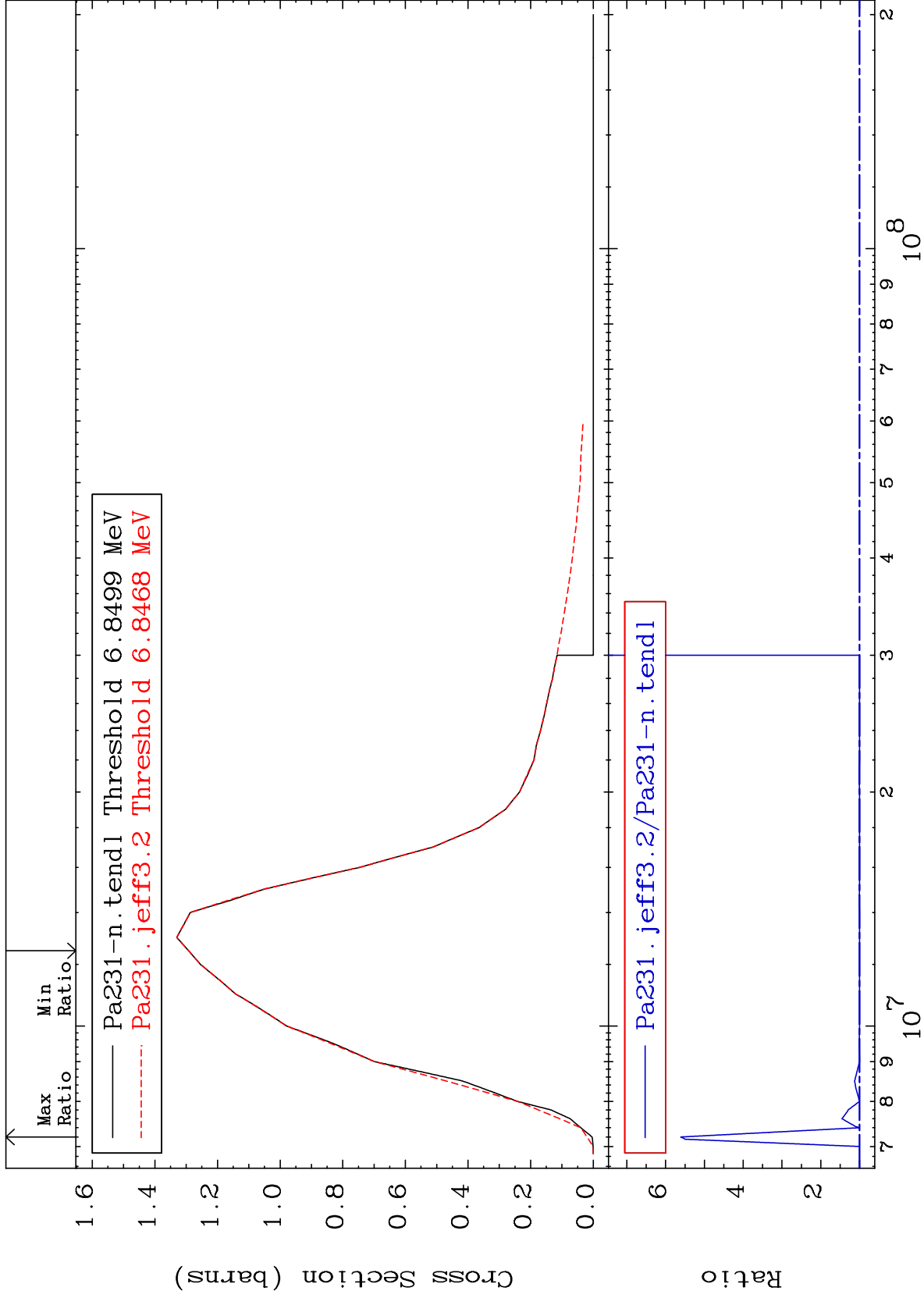
MAT 9131

(n,2n)

91-Pa-231

Cross Section

-0.015 To 460.9 %



5

Incident Energy (eV)

91-Pa-231

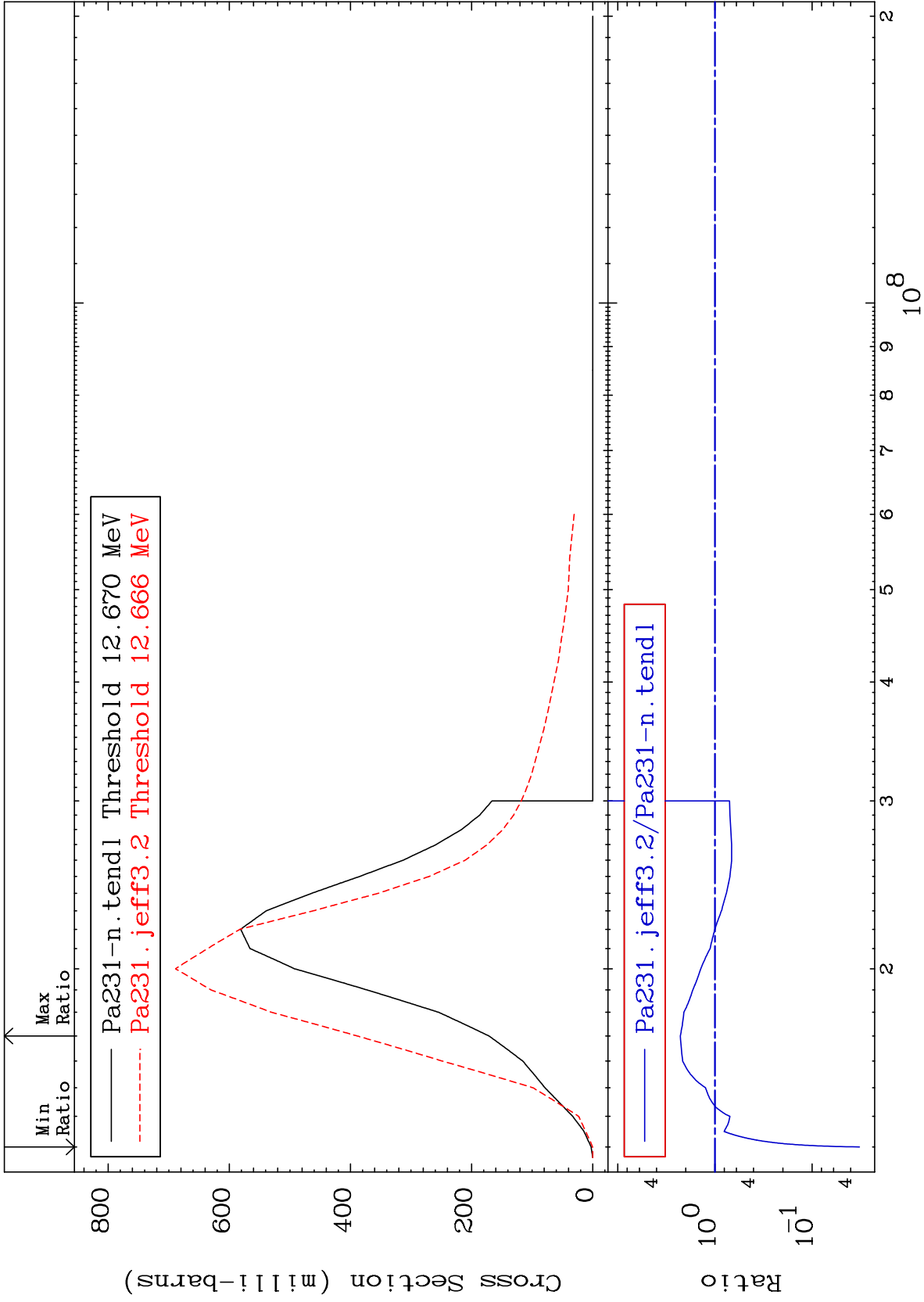
MAT 9131

(n,3n)

91-Pa-231

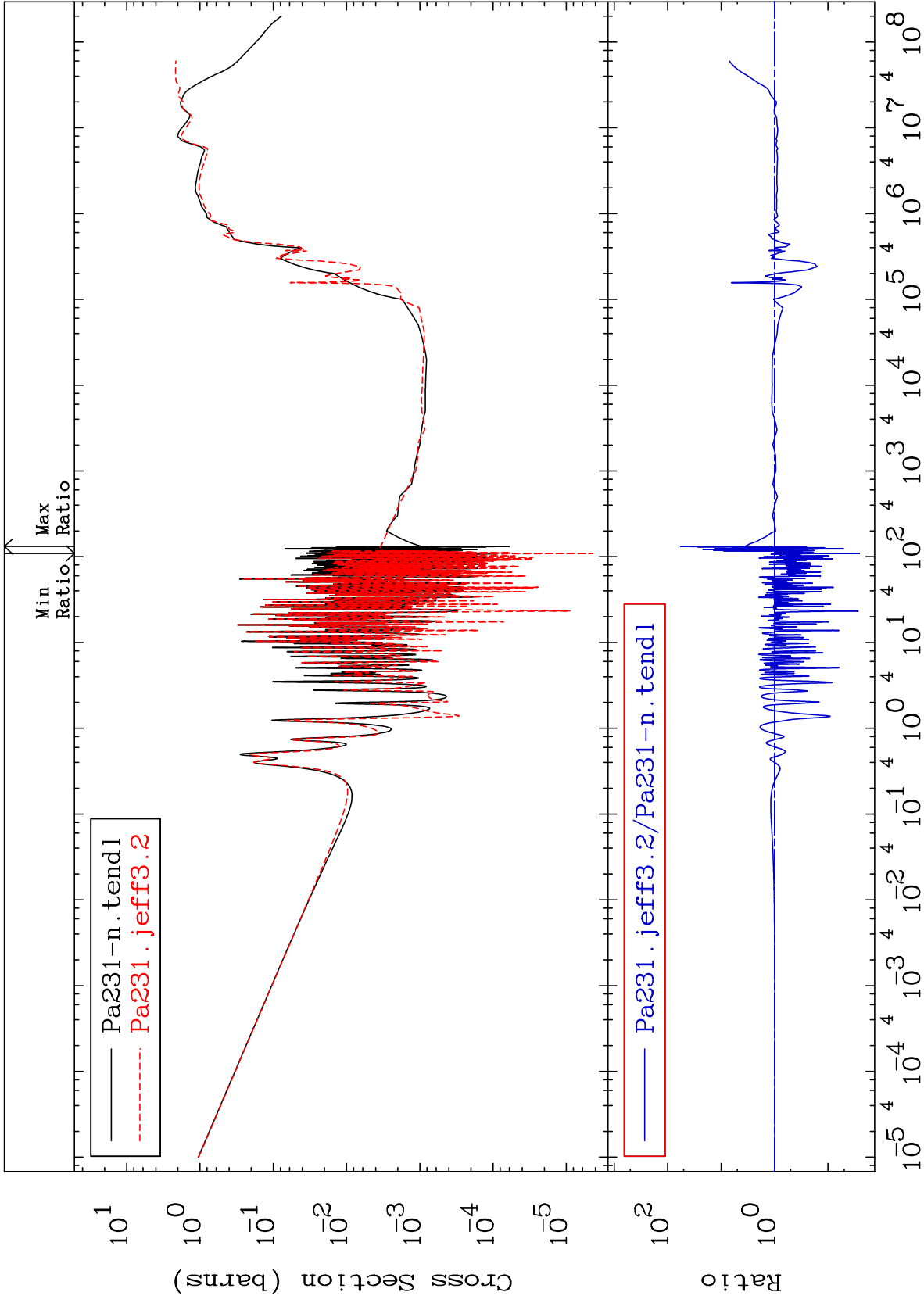
Cross Section

-96.75 To 127.0 %



MAT 9131

Fission Cross Section 91-Pa-231  
-97.41 To 5679. %



7

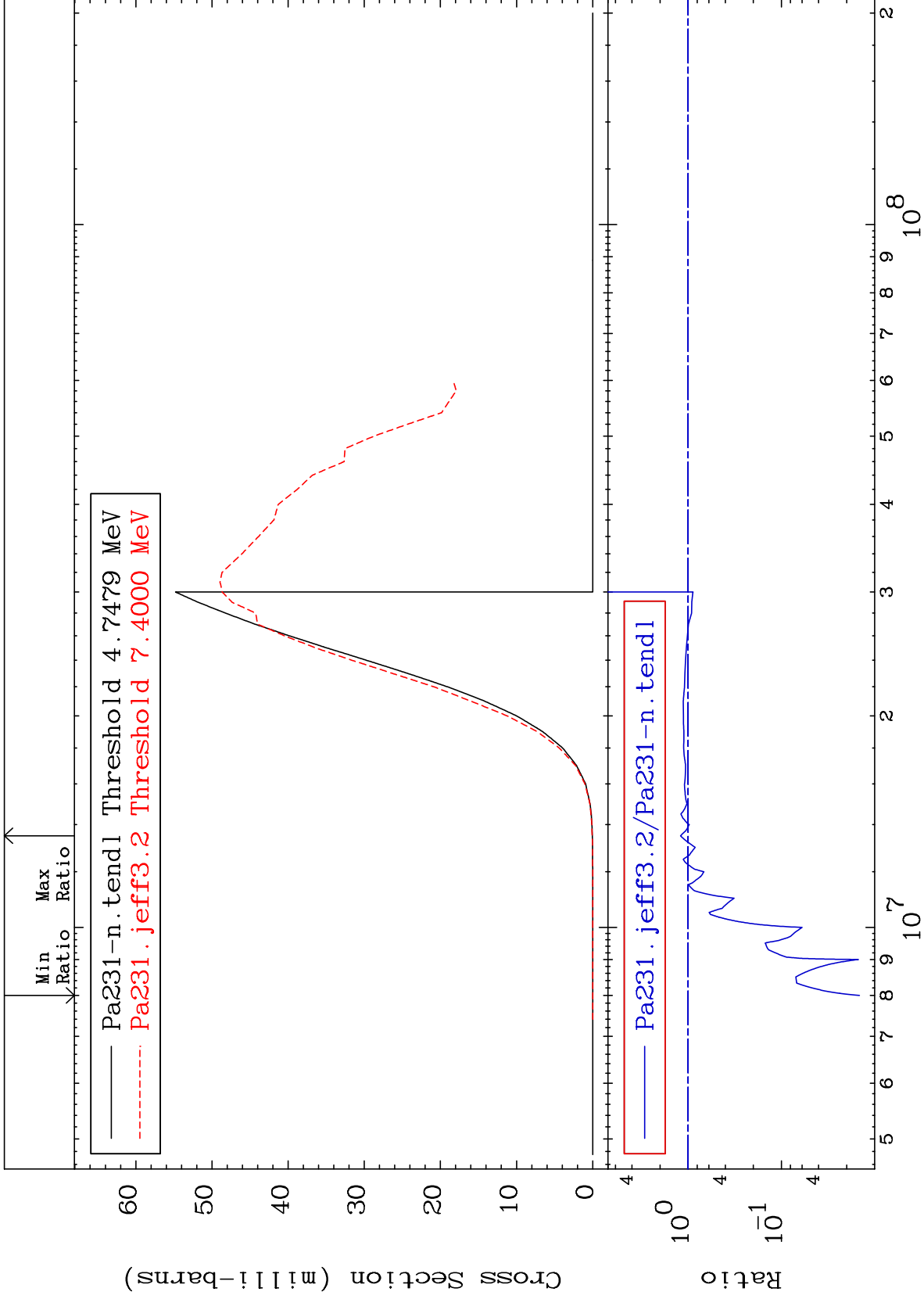
Incident Energy (eV)

91-Pa-231

MAT 9131

(n, n') p  
Cross Section

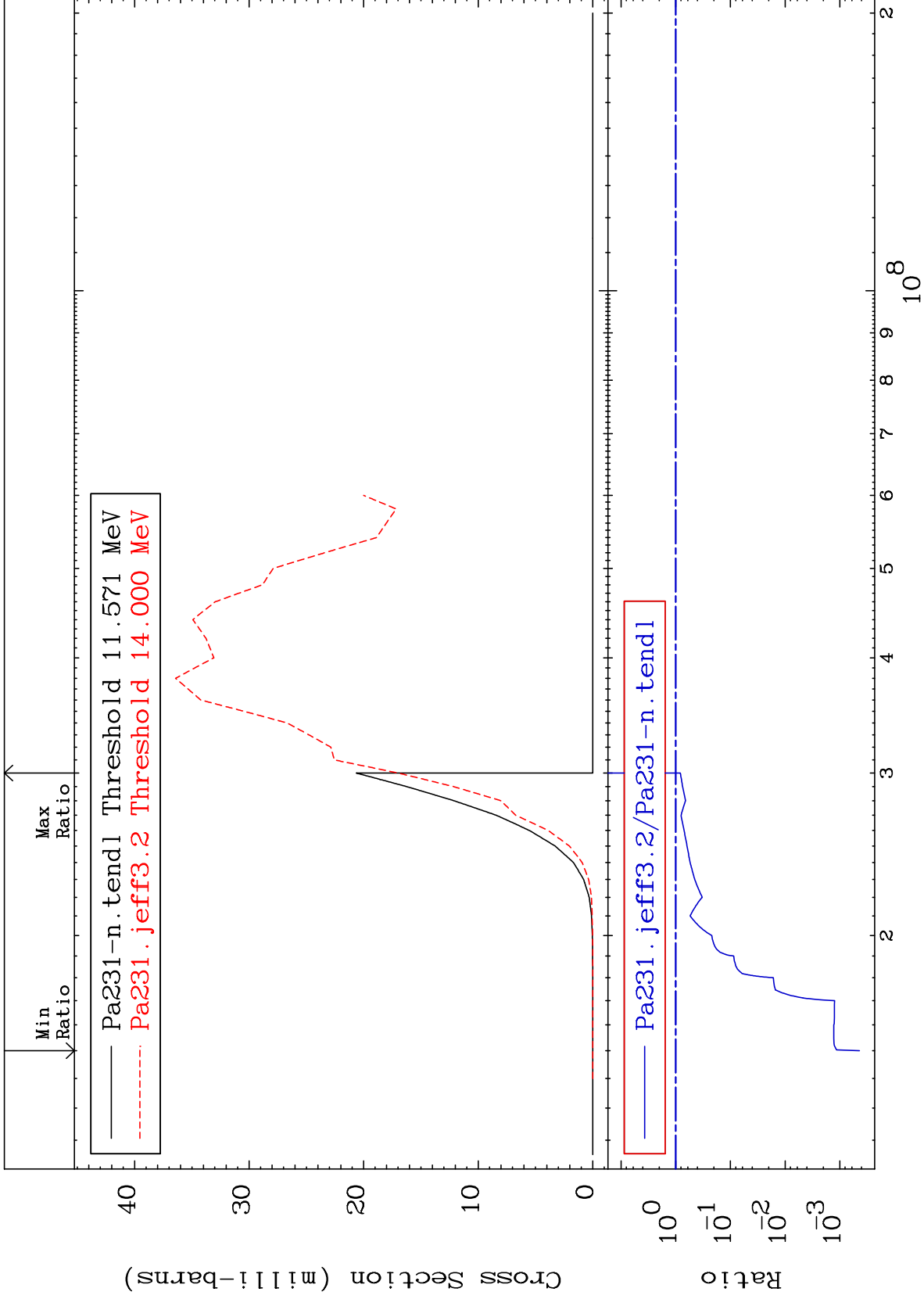
91-Pa-231  
-98.54 To 21.08 %



MAT 9131

(n,2n) p  
Cross Section

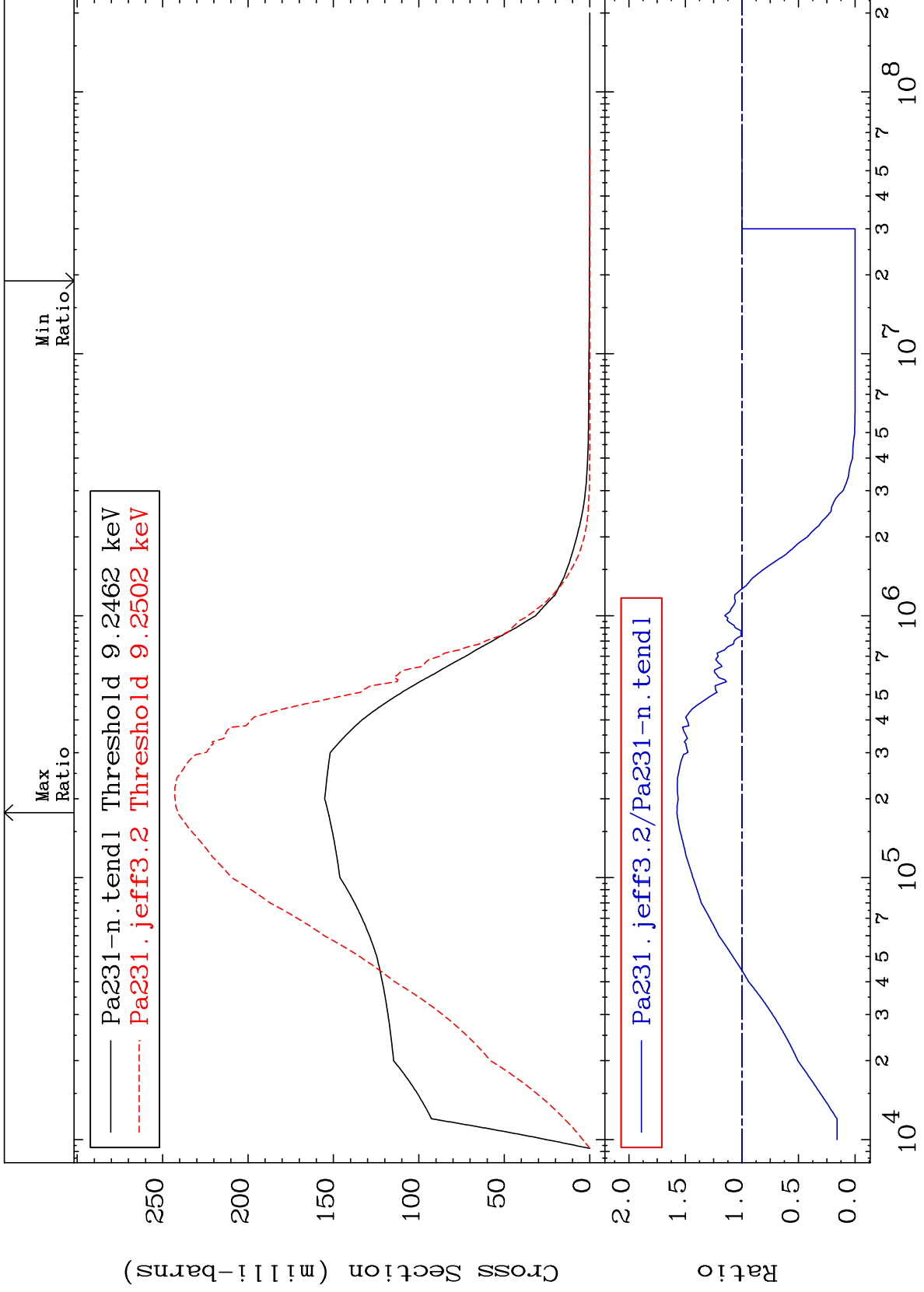
91-Pa-231  
-99.96 To -17.75%



MAT 9131

9.206 keV (n,n') Level  
Cross Section

91-Pa-231  
-100.0 To 57.51 %



Incident Energy (eV)

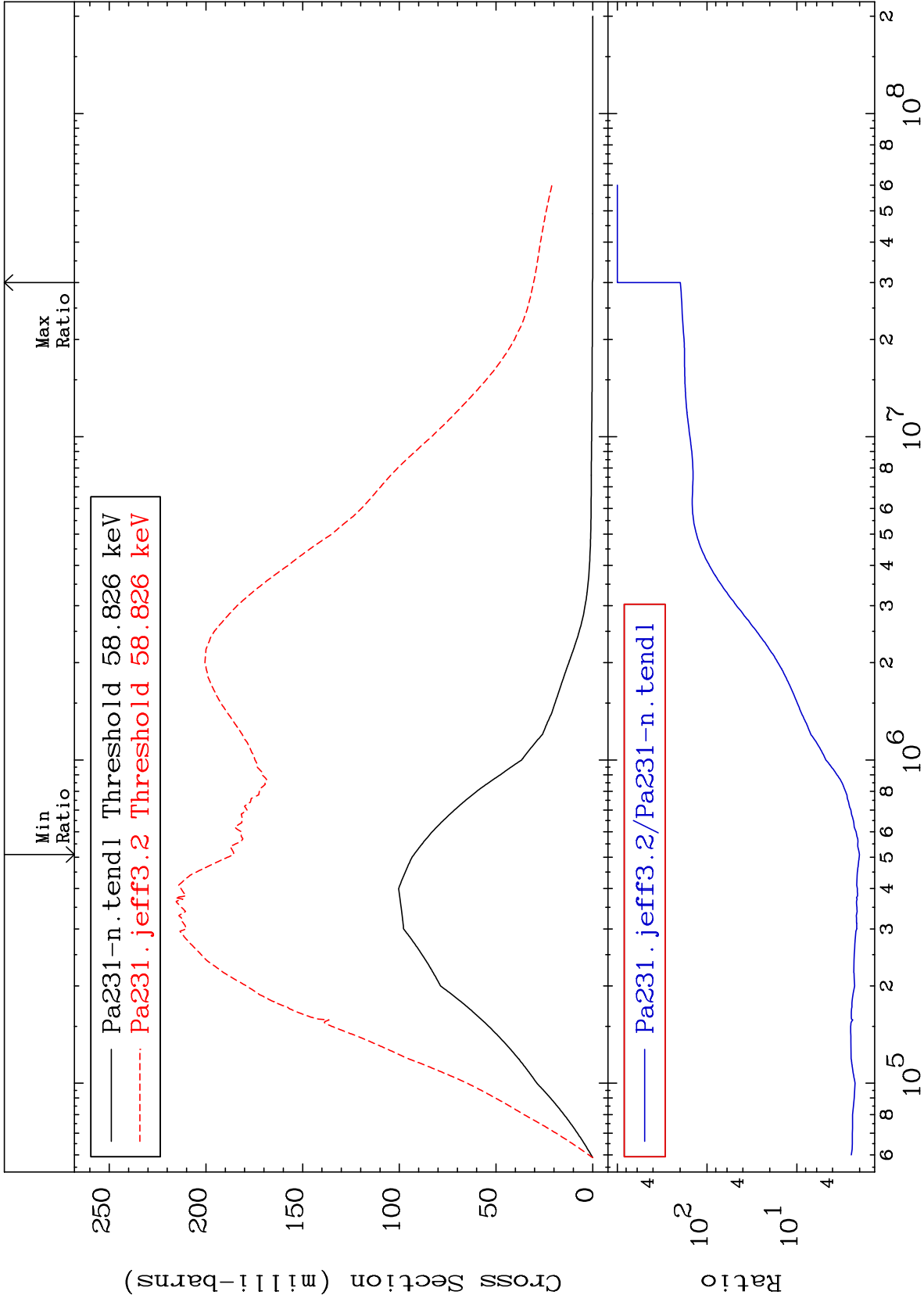
91-Pa-231



MAT 9131

58.57 keV (n,n') Level  
Cross Section

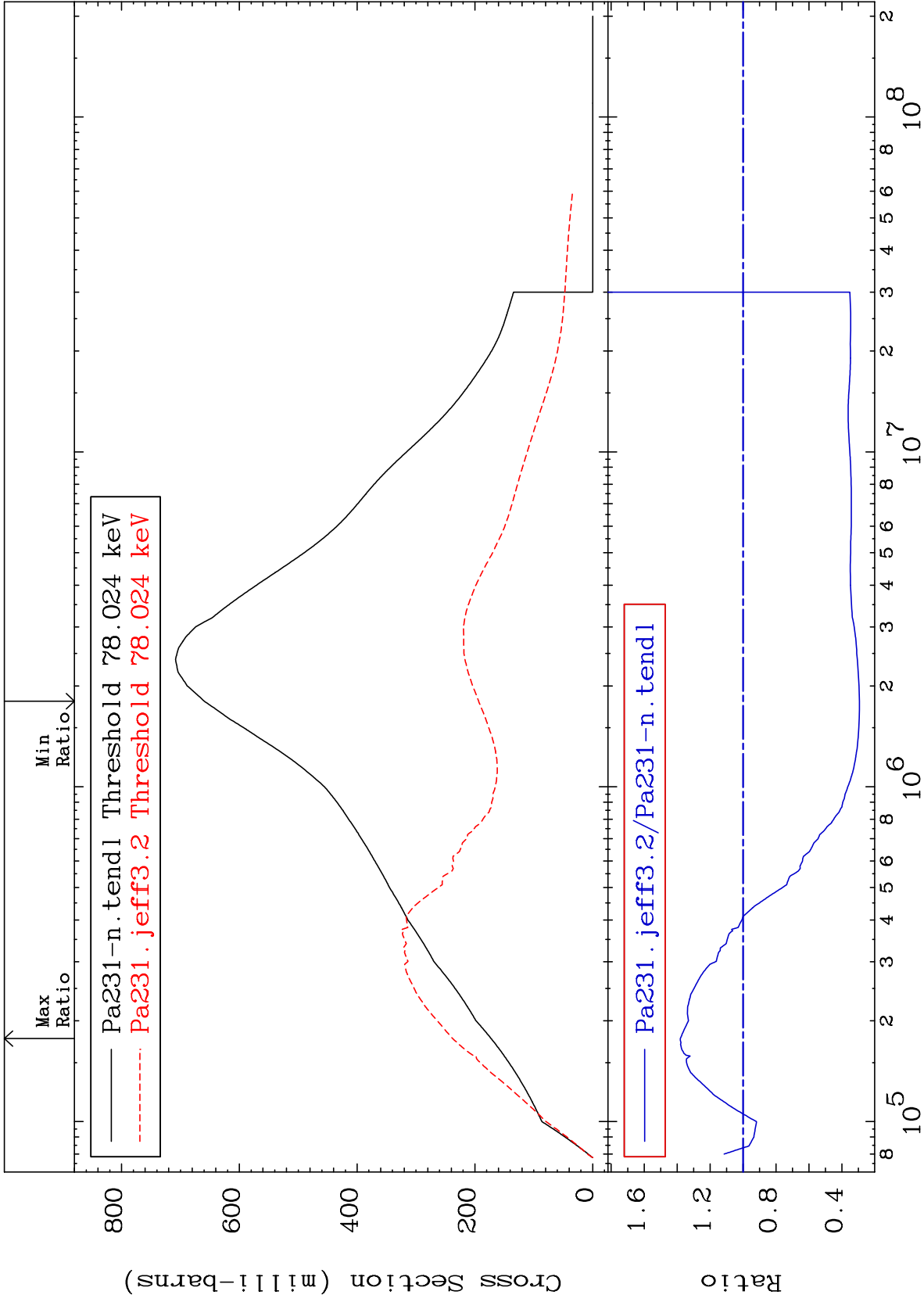
91-Pa-231  
100.8 To 9999. %



MAT 9131

77.68 keV (n,n') Level  
Cross Section

91-Pa-231  
-70.63 To 38.03 %



12

Incident Energy (eV)

91-Pa-231

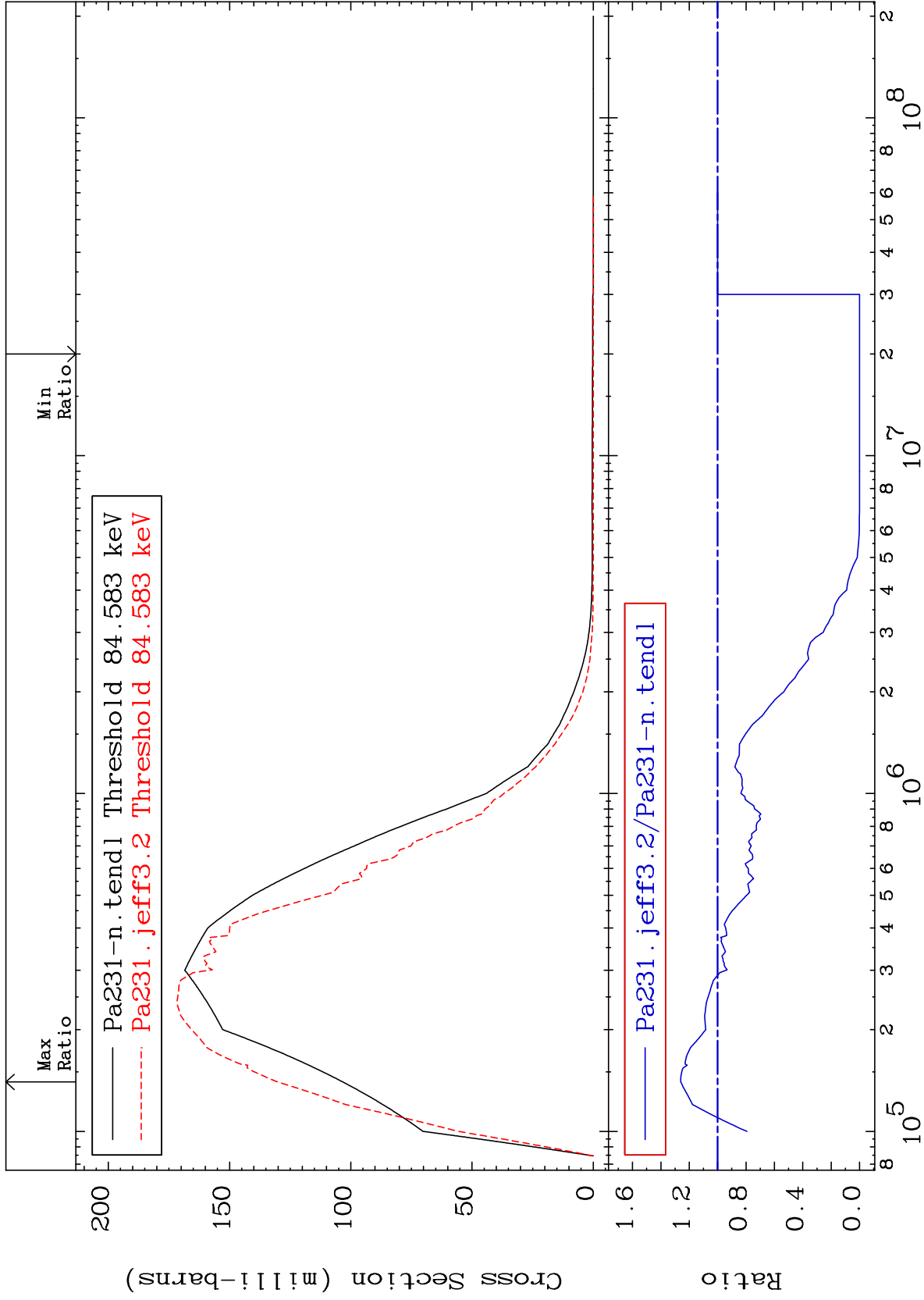
MAT 9131

84.22 keV (n,n') Level

91-Pa-231

Cross Section

-100.0 To 25.98 %

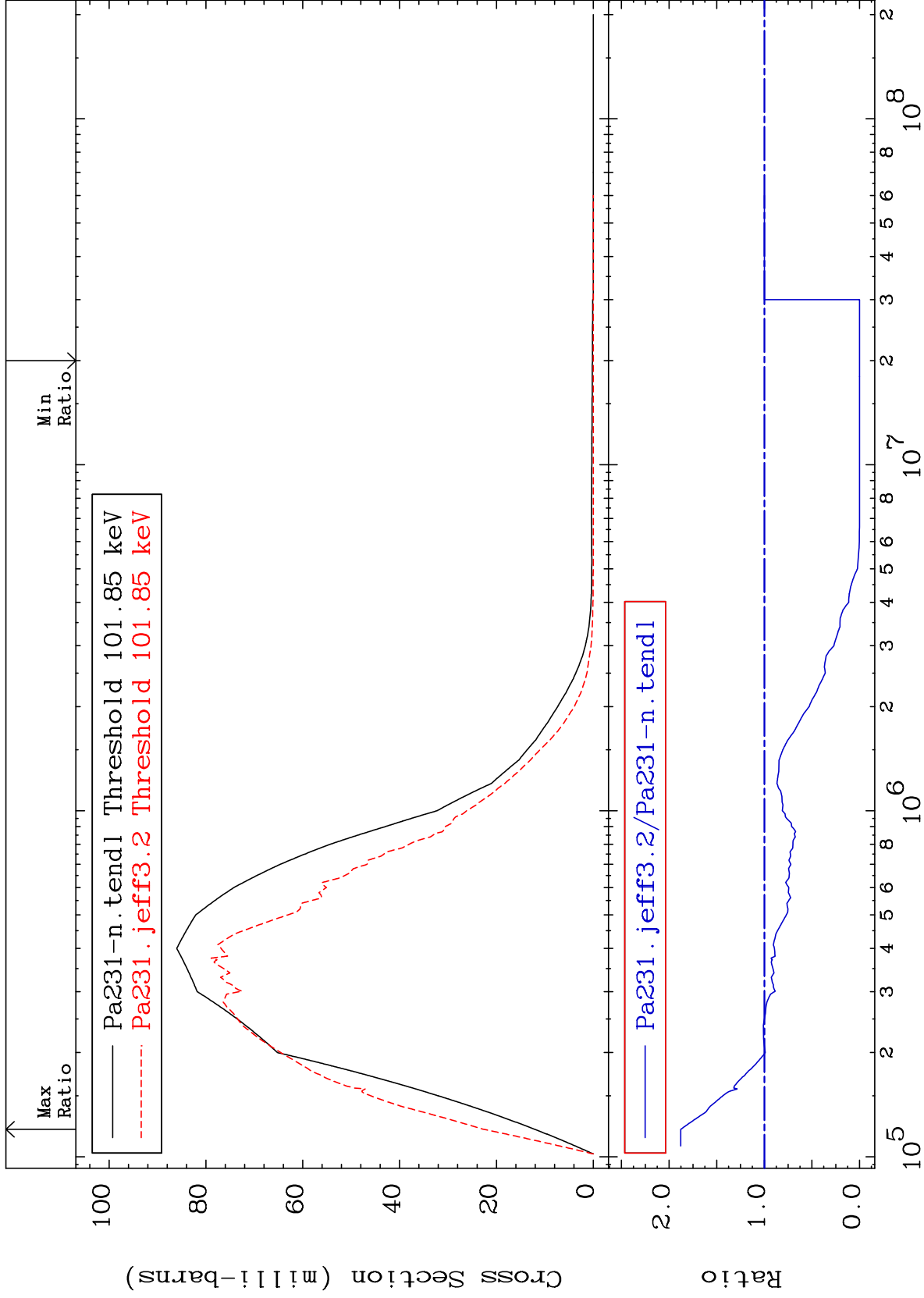


13

Incident Energy (eV)

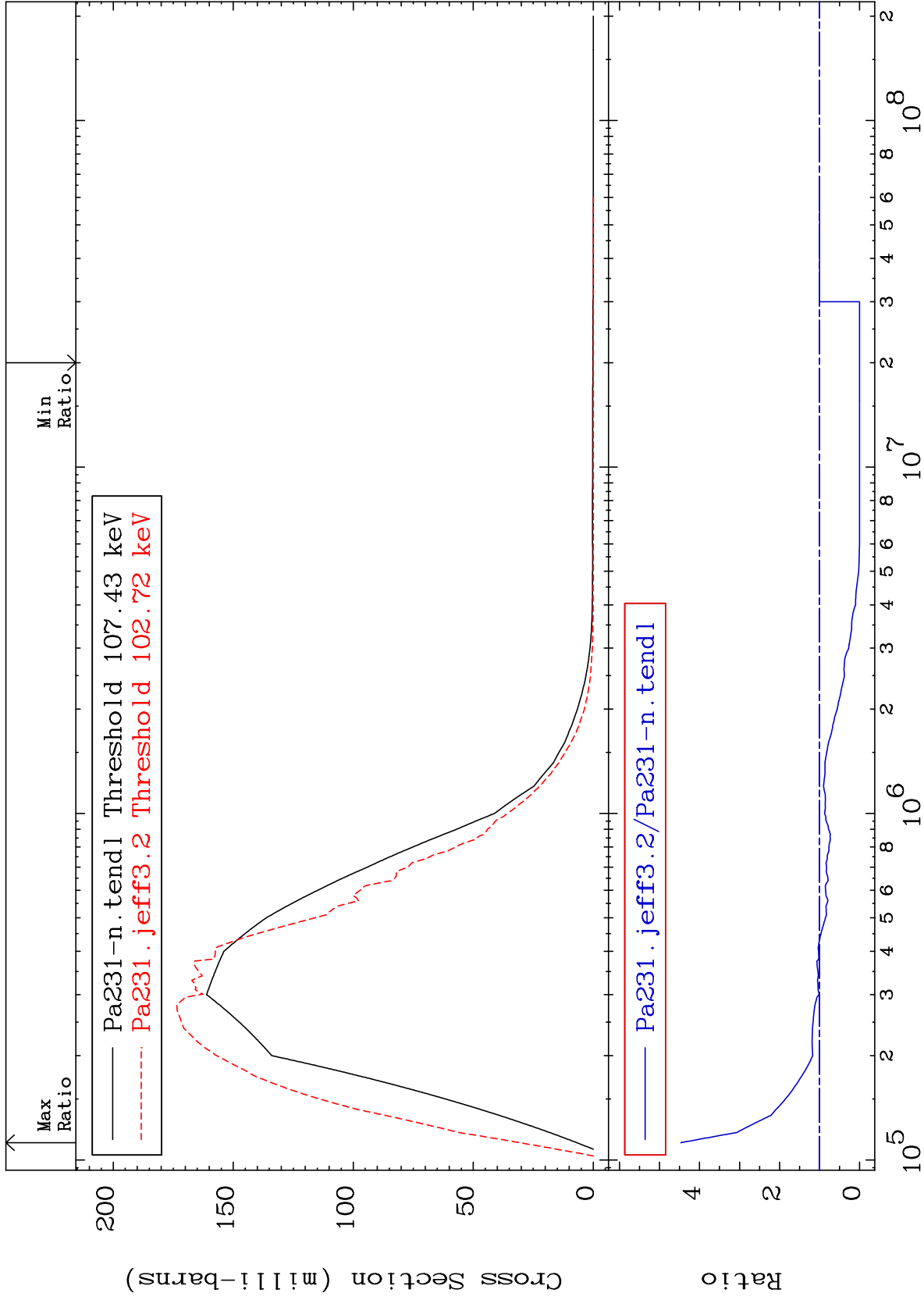
91-Pa-231

MAT 9131      101.4 keV (n,n') Level      91-Pa-231  
 Cross Section      -100.0 To 87.75 %



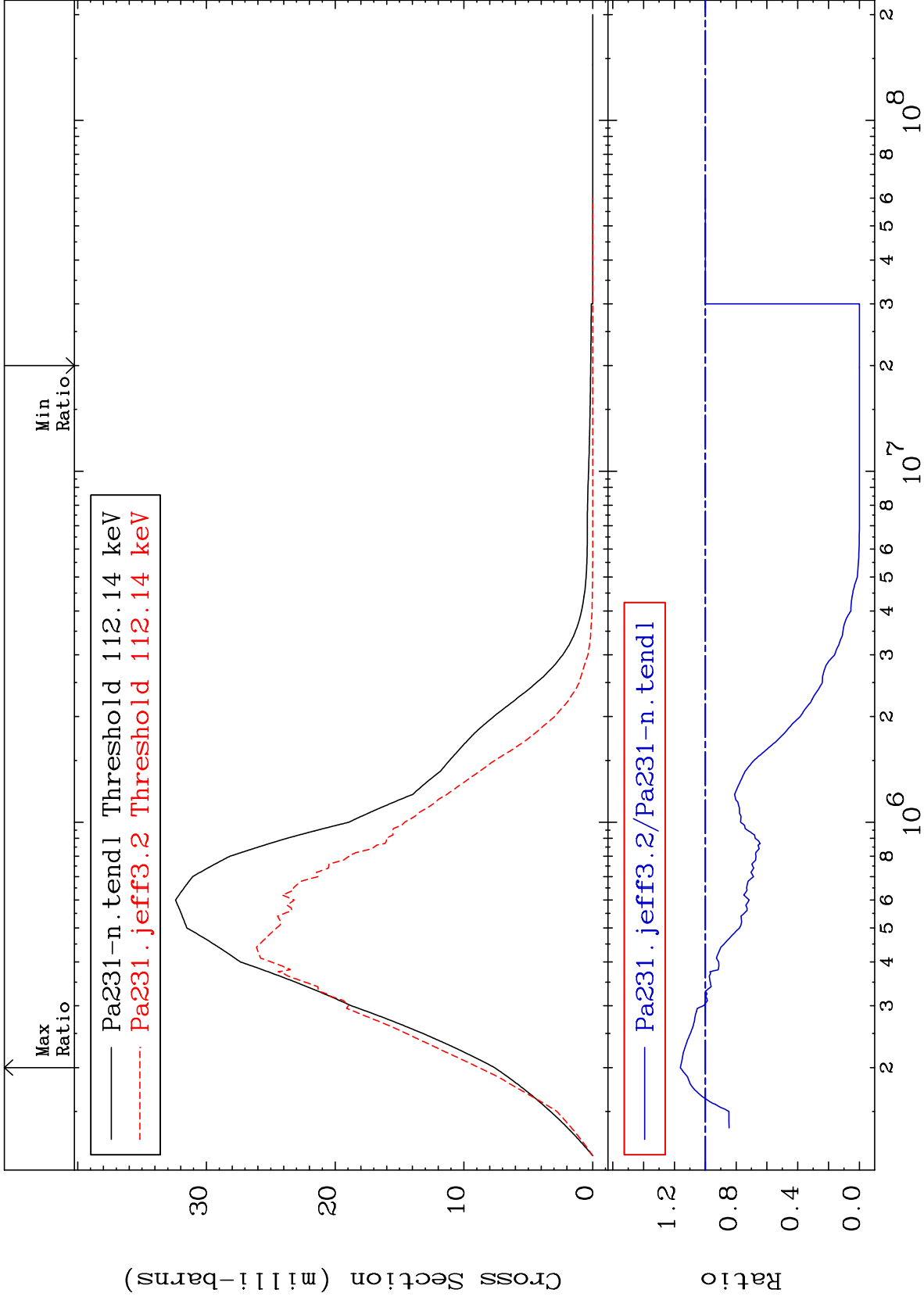
14      Incident Energy (eV)      91-Pa-231

MAT 9131 107.0 keV (n,n') Level 91-Pa-231  
Cross Section -100.0 To 346.9 %

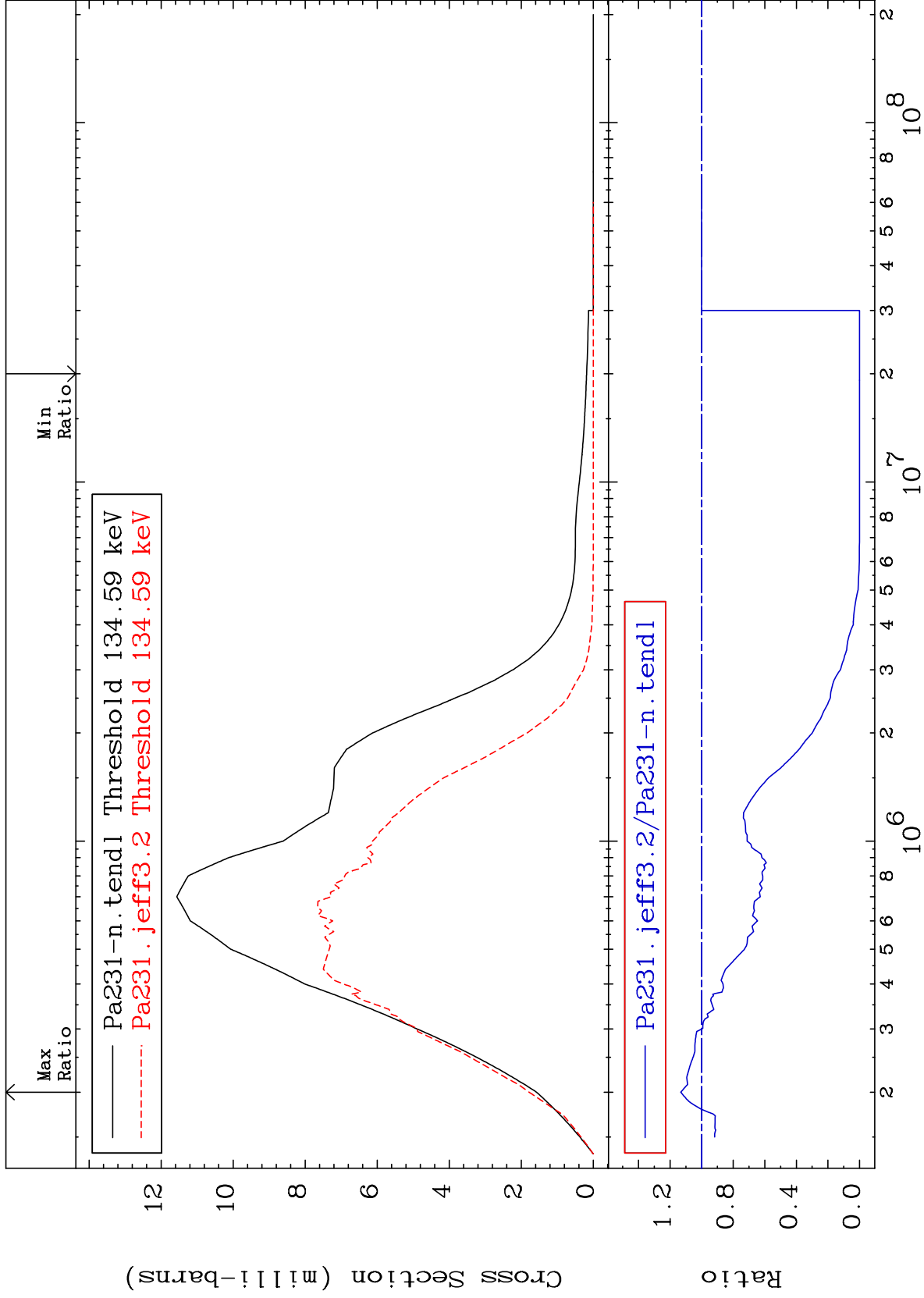


15 91-Pa-231

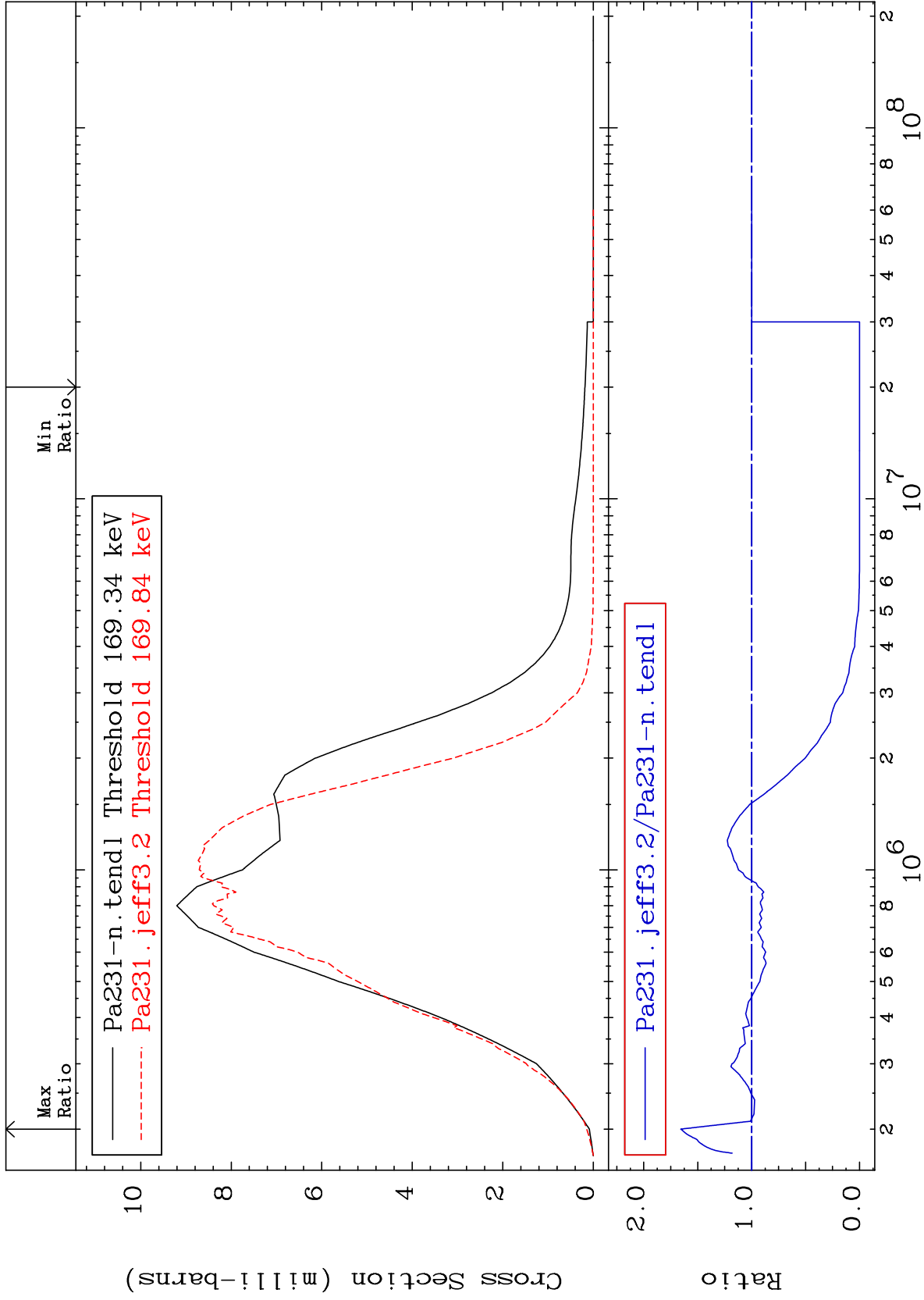
MAT 9131 111.7 keV (n,n') Level 91-Pa-231  
 Cross Section -100.0 To 16.16 %



MAT 9131 134.0 keV (n,n') Level 91-Pa-231  
 Cross Section -100.0 To 13.22 %



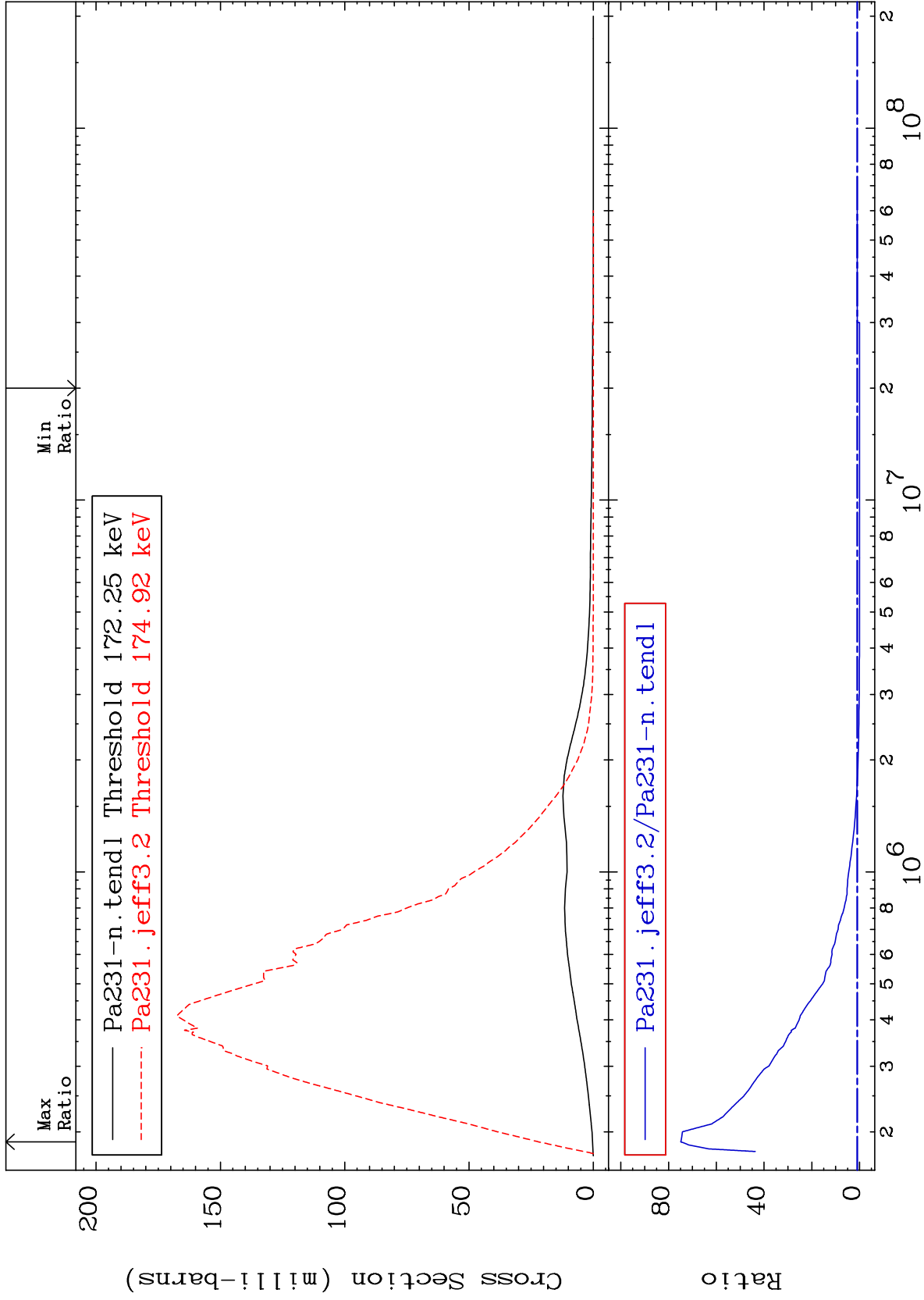
MAT 9131 168.6 keV (n,n') Level 91-Pa-231  
 Cross Section -100.0 To 65.70 %



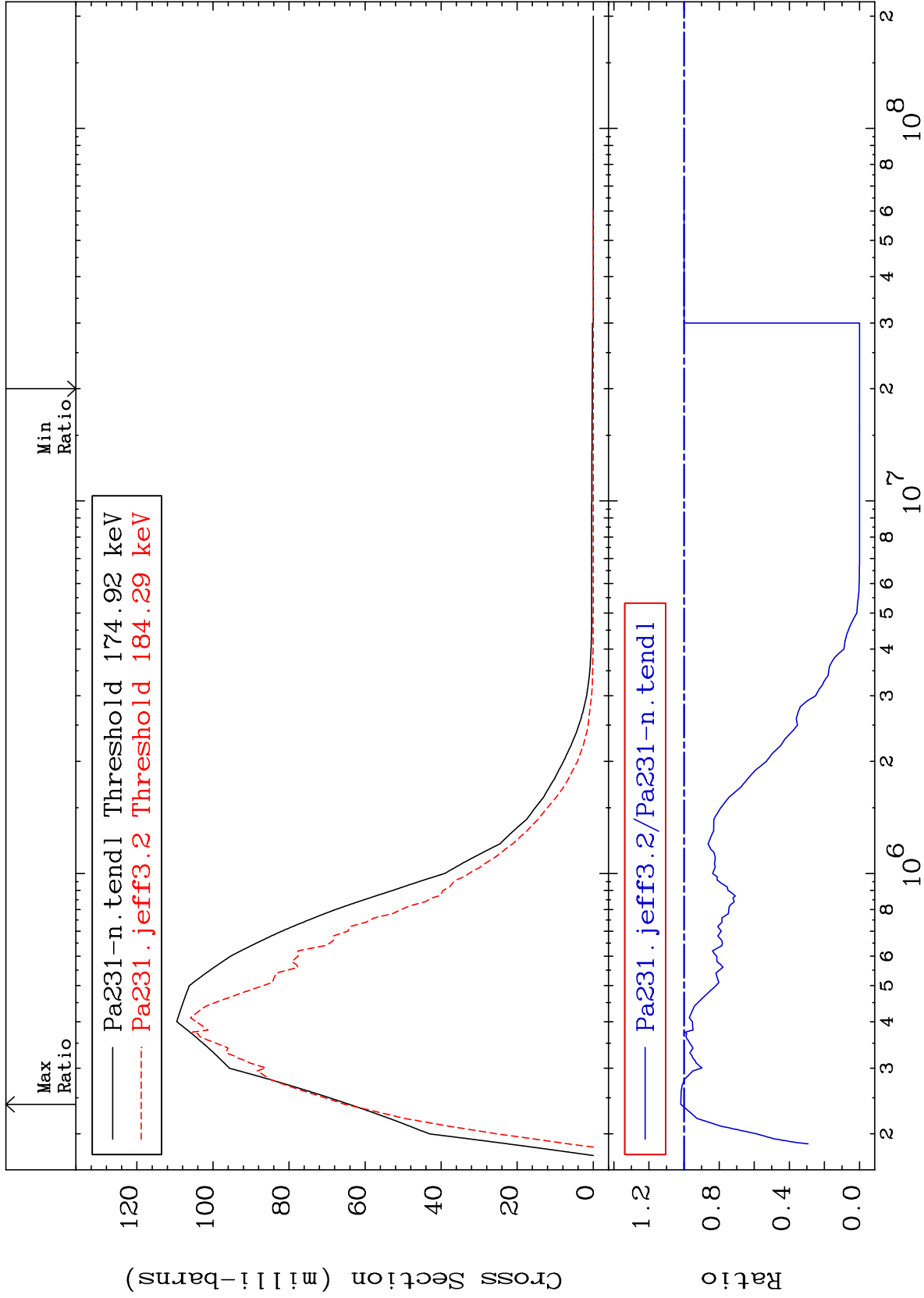
18 Incident Energy (eV) 91-Pa-231



MAT 9131      171.5 keV (n,n') Level      91-Pa-231  
 Cross Section      -100.0 To 7388. %



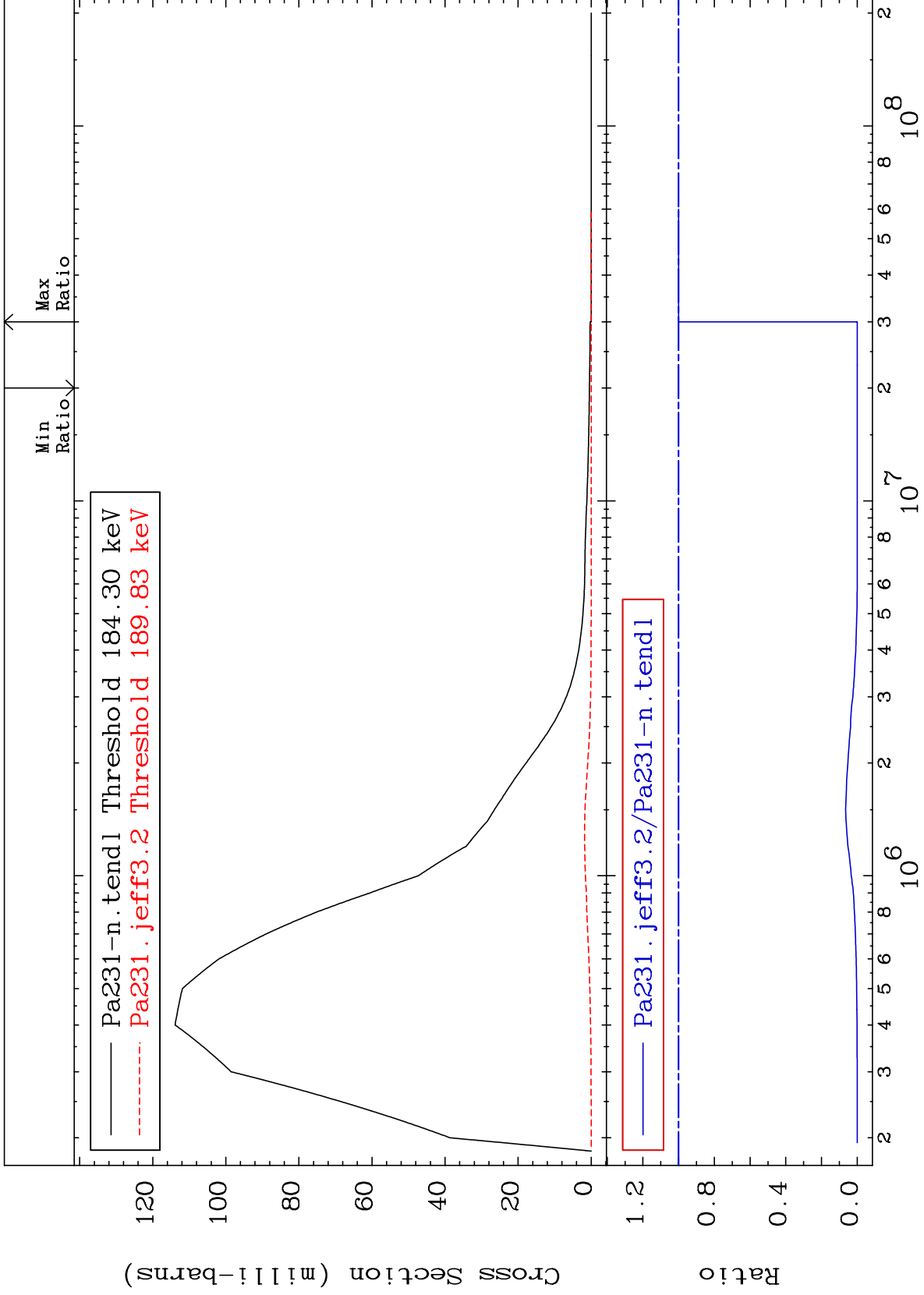
MAT 9131      174.2 keV (n,n') Level      91-Pa-231  
 Cross Section      -100.0 To 1.865 %



MAT 9131

183.5 keV (n,n') Level  
Cross Section

91-Pa-231  
-100.0 To 0.000 %



21

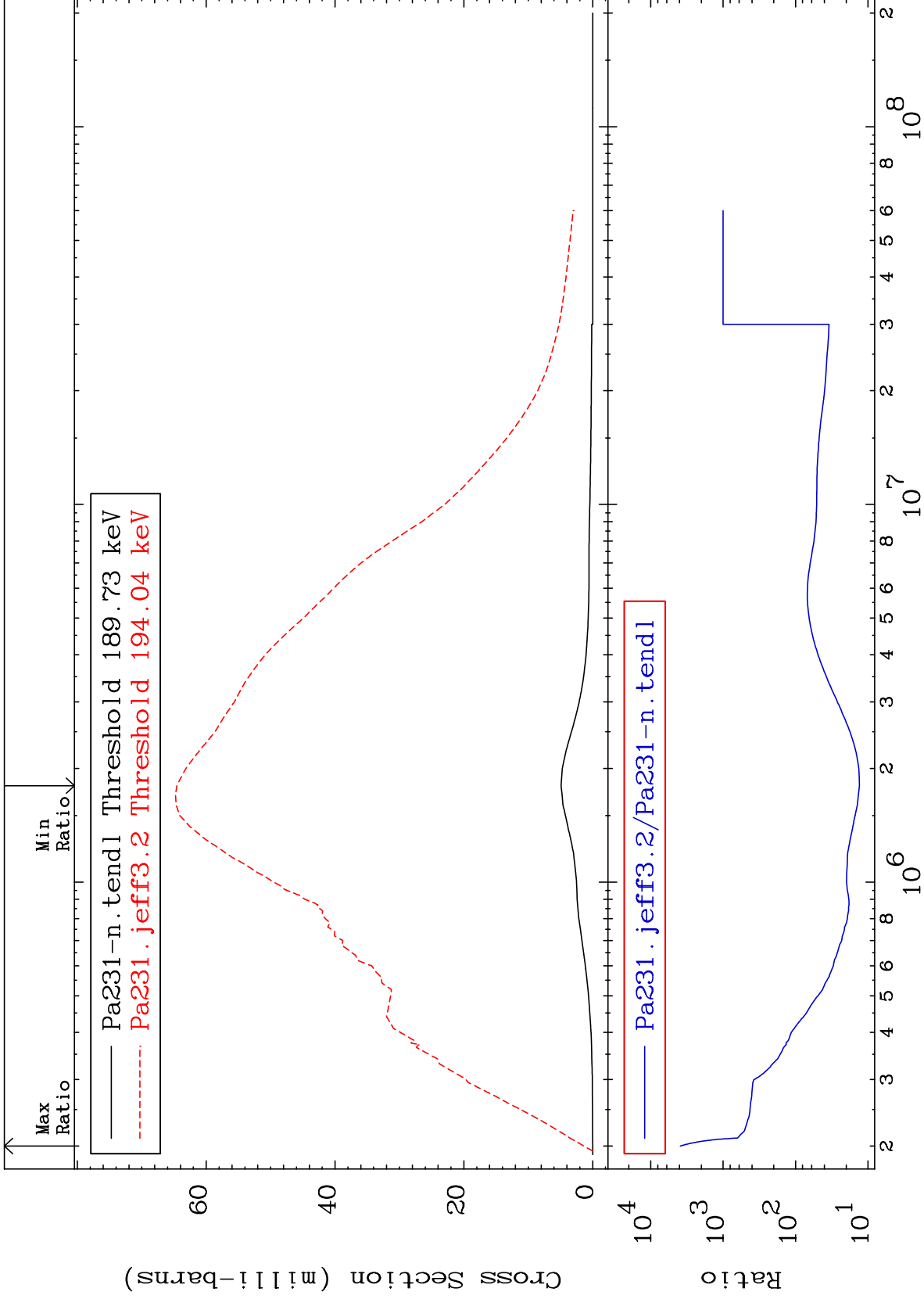
Incident Energy (eV)

91-Pa-231

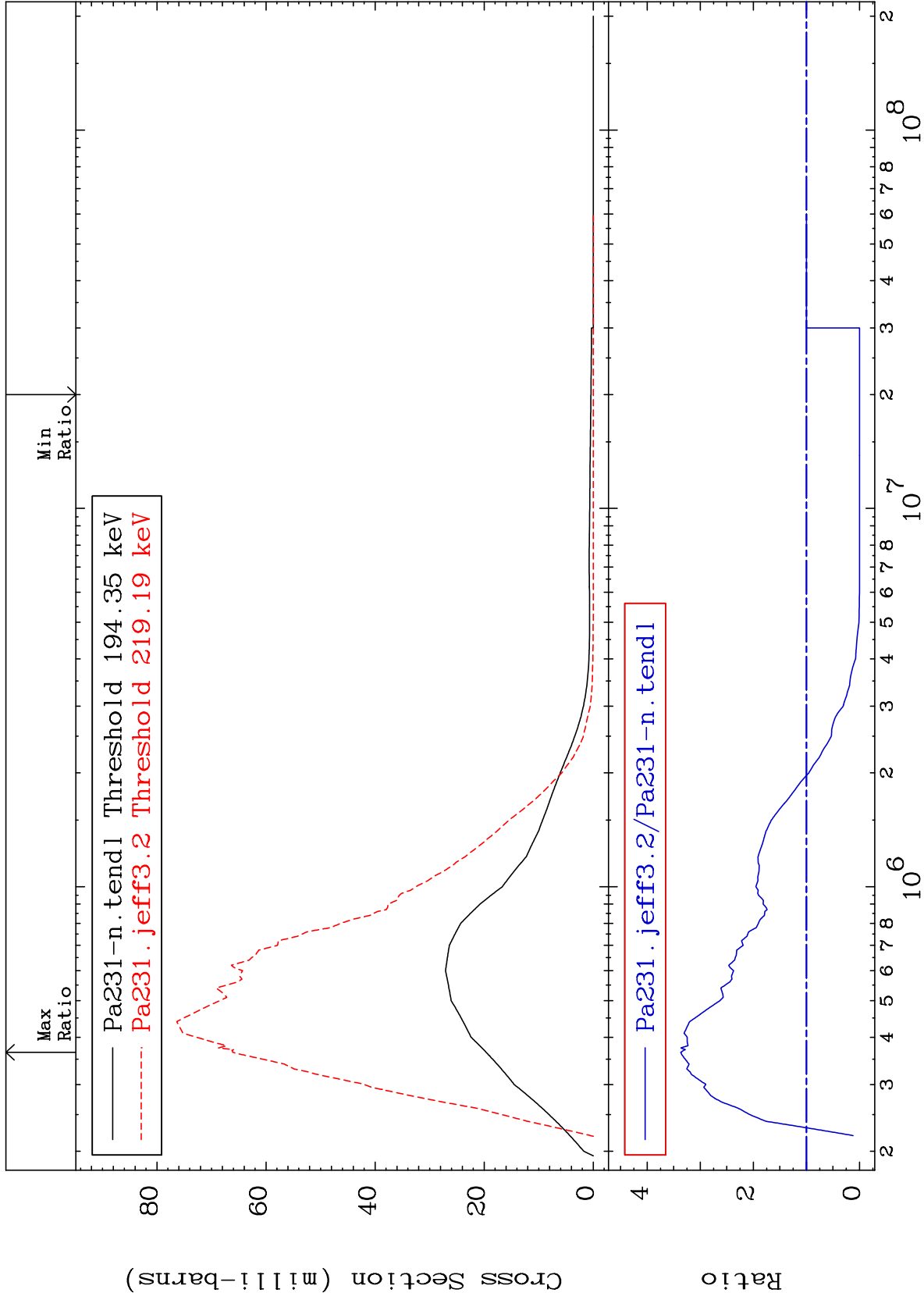
MAT 9131

188.9 keV (n,n') Level  
Cross Section

91-Pa-231  
1214. To 9999. %



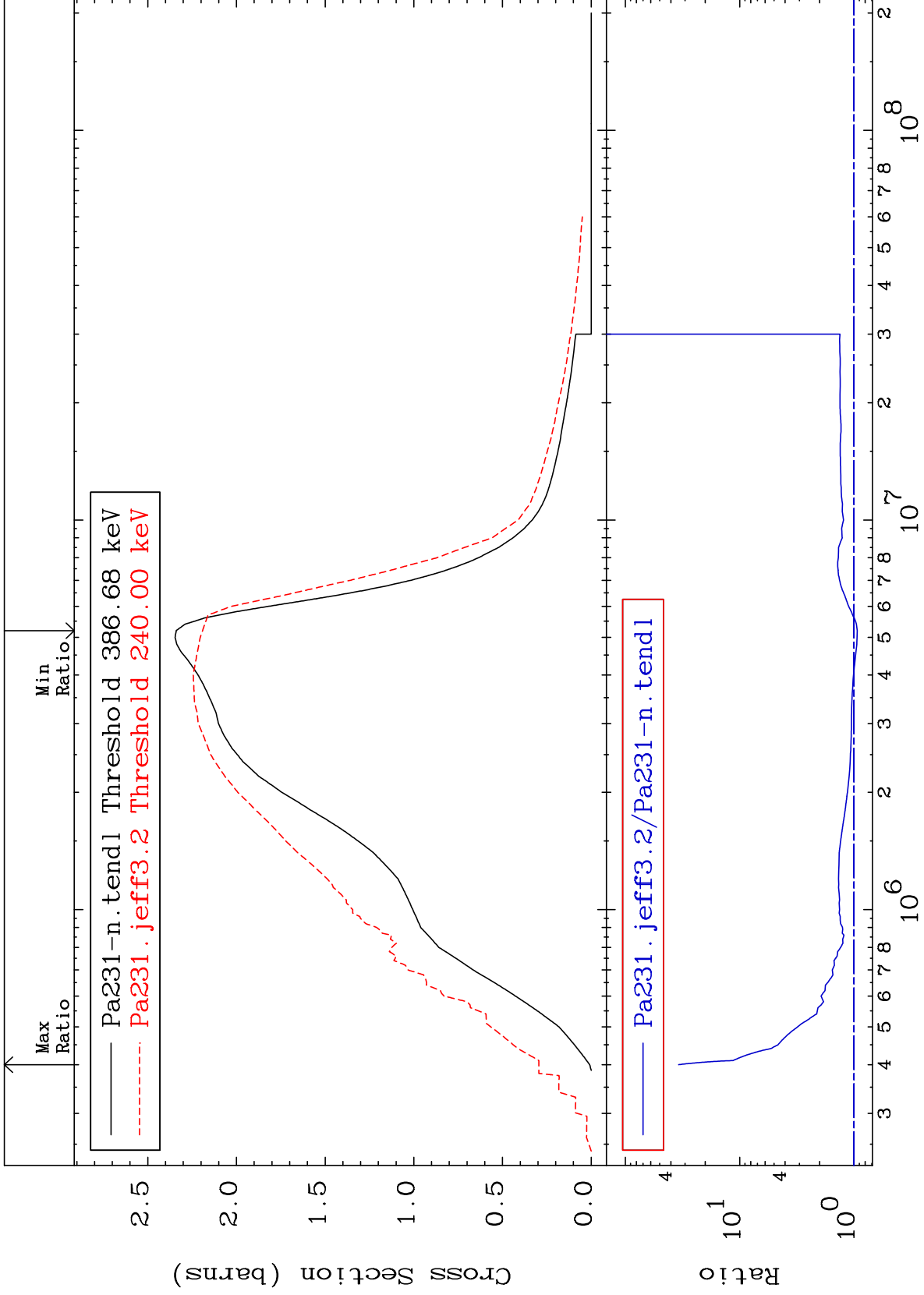
MAT 9131      193.5 keV (n,n') Level      91-Pa-231  
 Cross Section      -100.0 To 236.7 %



MAT 9131

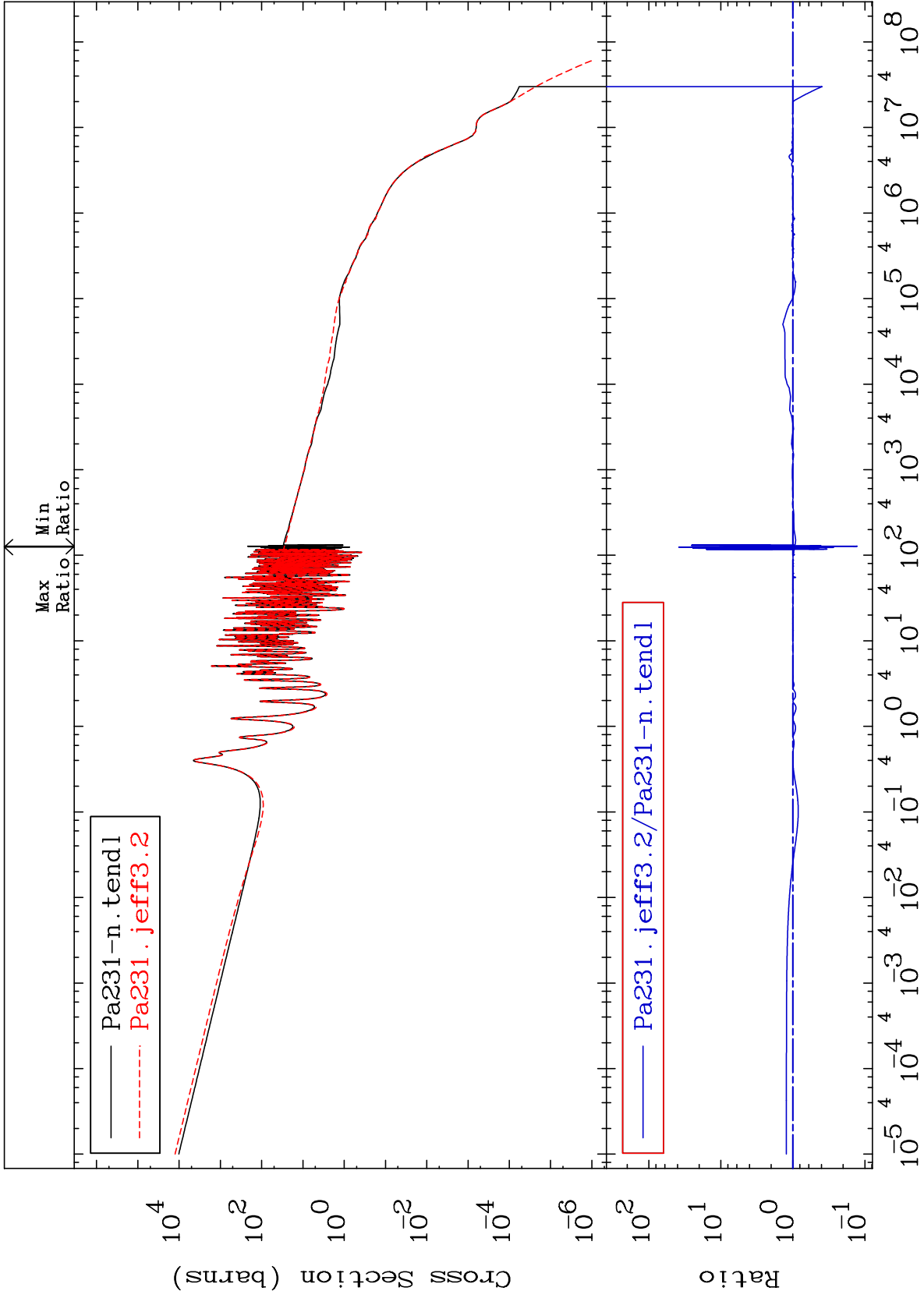
(n, n') Continuum  
Cross Section

91-Pa-231  
-6.332 To 3319. %



MAT 9131

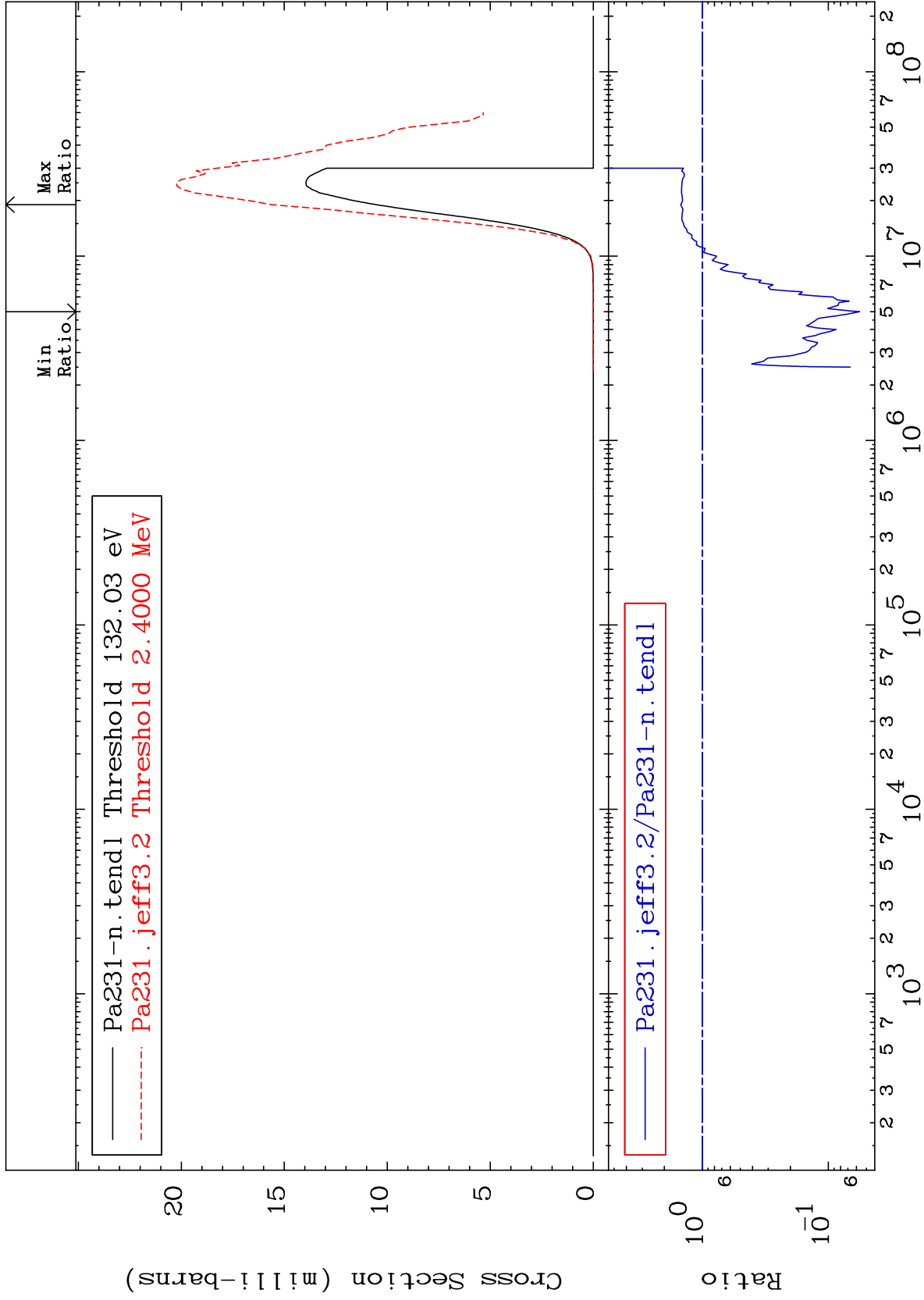
(n,  $\gamma$ )  
Cross Section  
91-Pa-231  
-87.25 To 3764. %



MAT 9131

(n,p)  
Cross Section

91-Pa-231  
-94.34 To 48.16 %

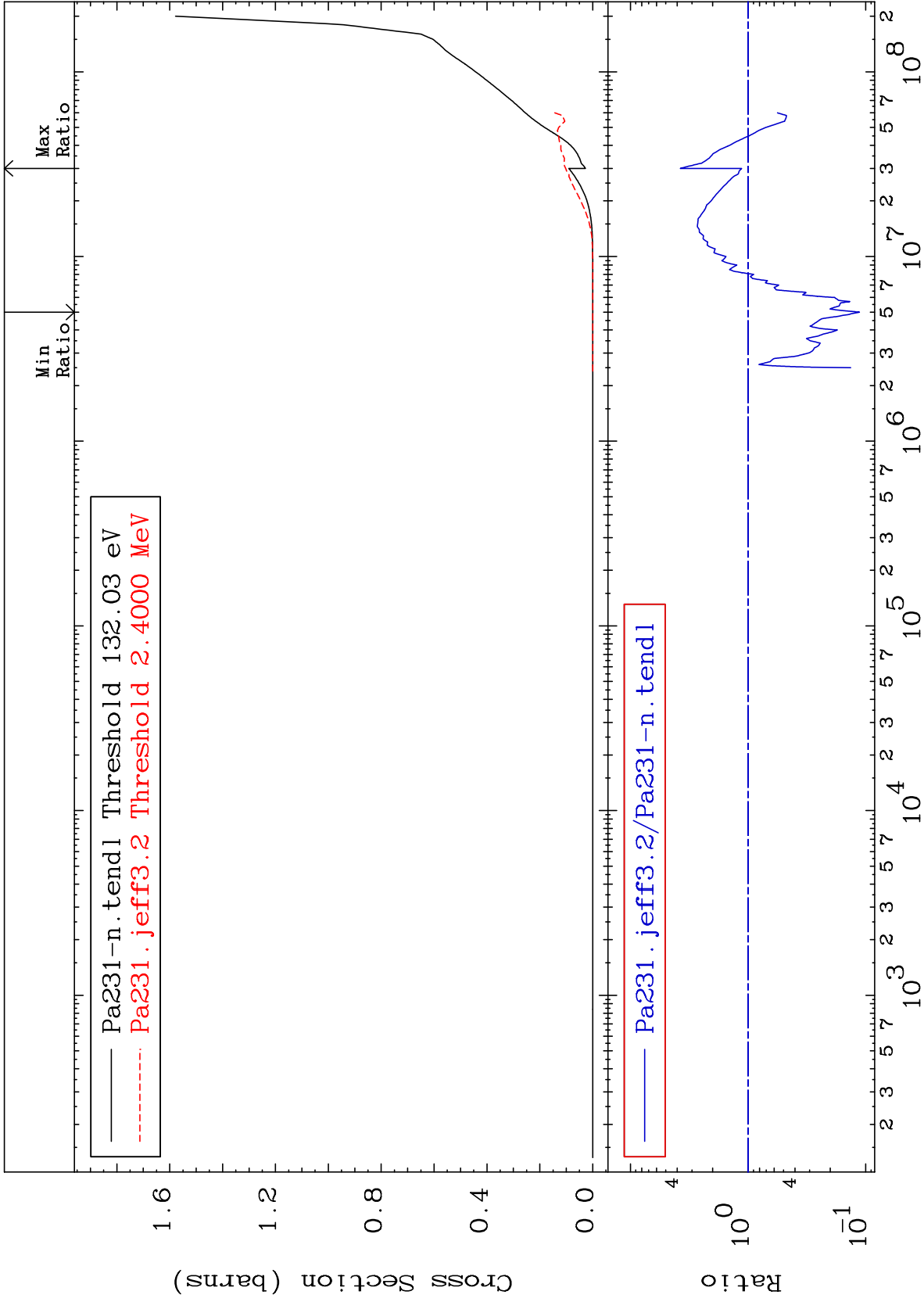


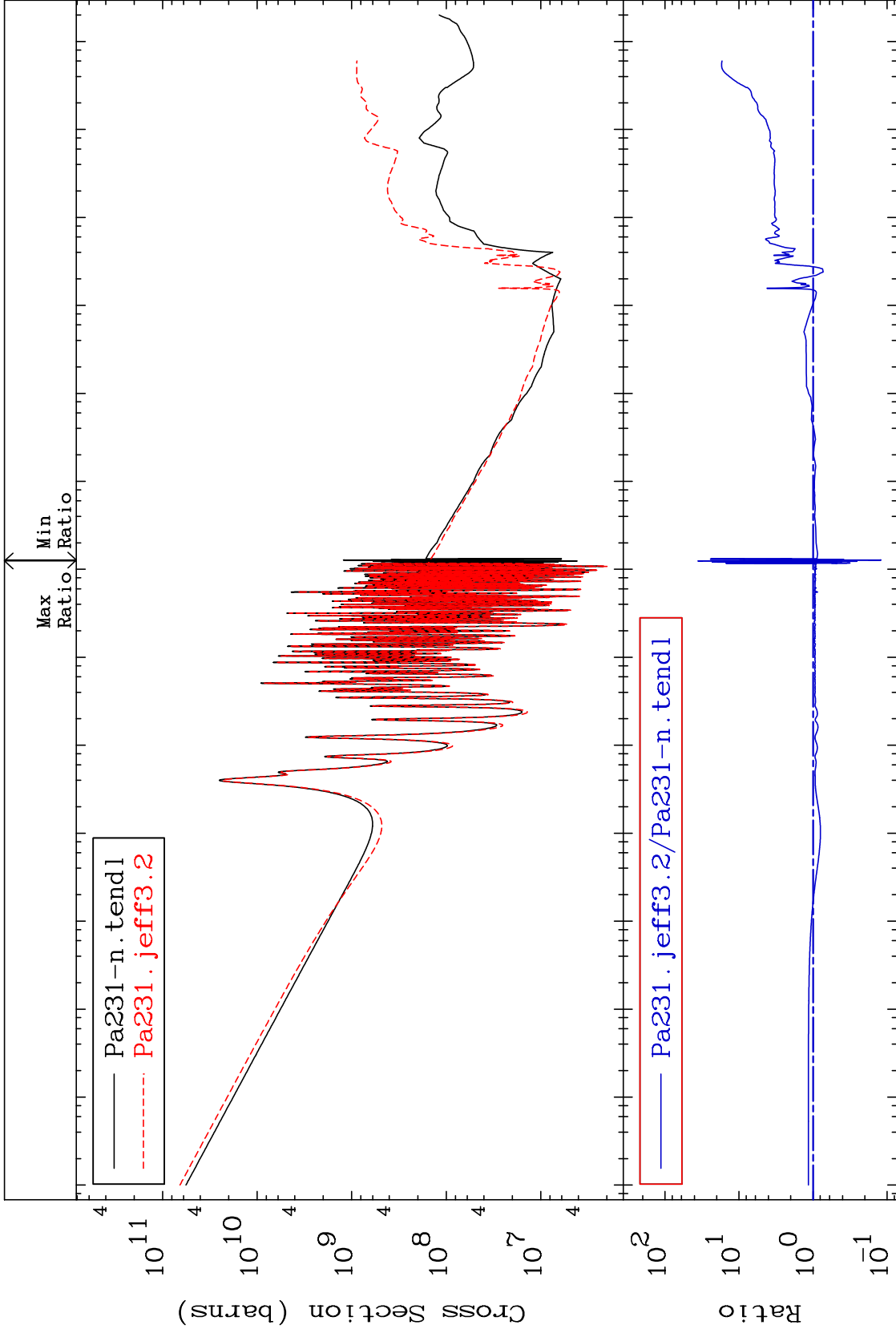


MAT 9131

Hydrogen Production  
Cross Section

91-Pa-231  
-88.68 To 276.2 %

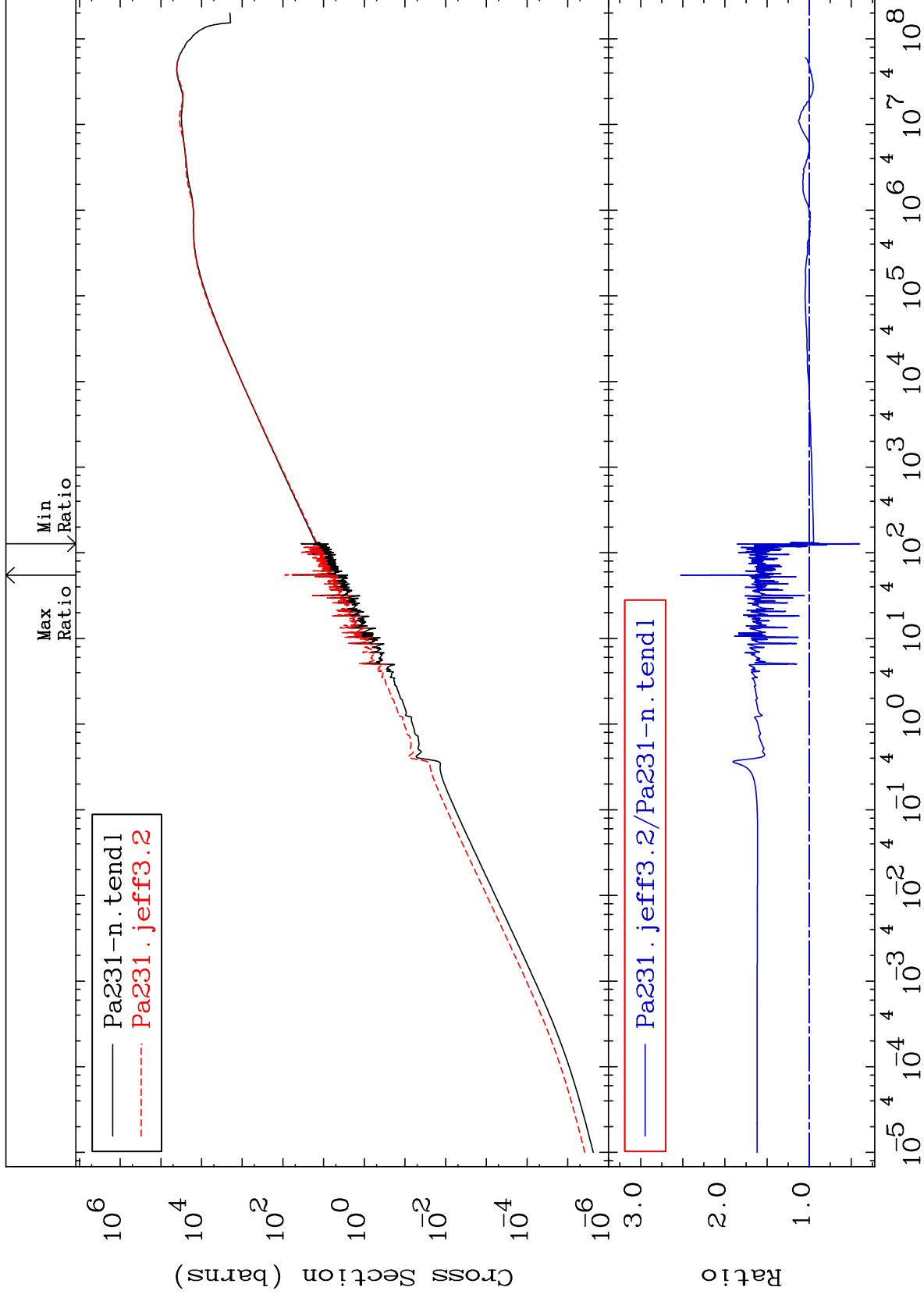


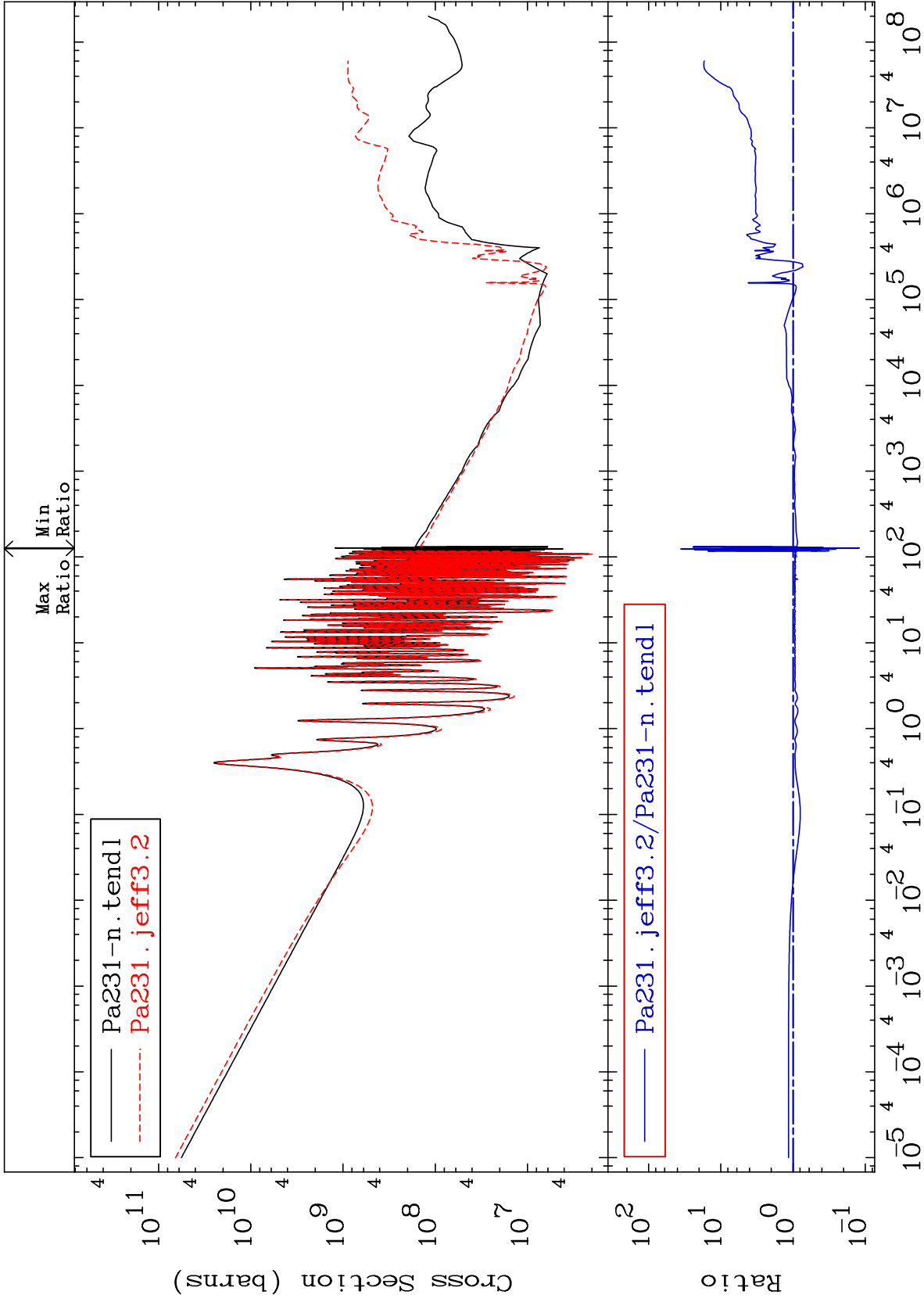


MAT 9131

Kerma elastic  
Cross Section

91-Pa-231  
-59.80 To 152.4 %

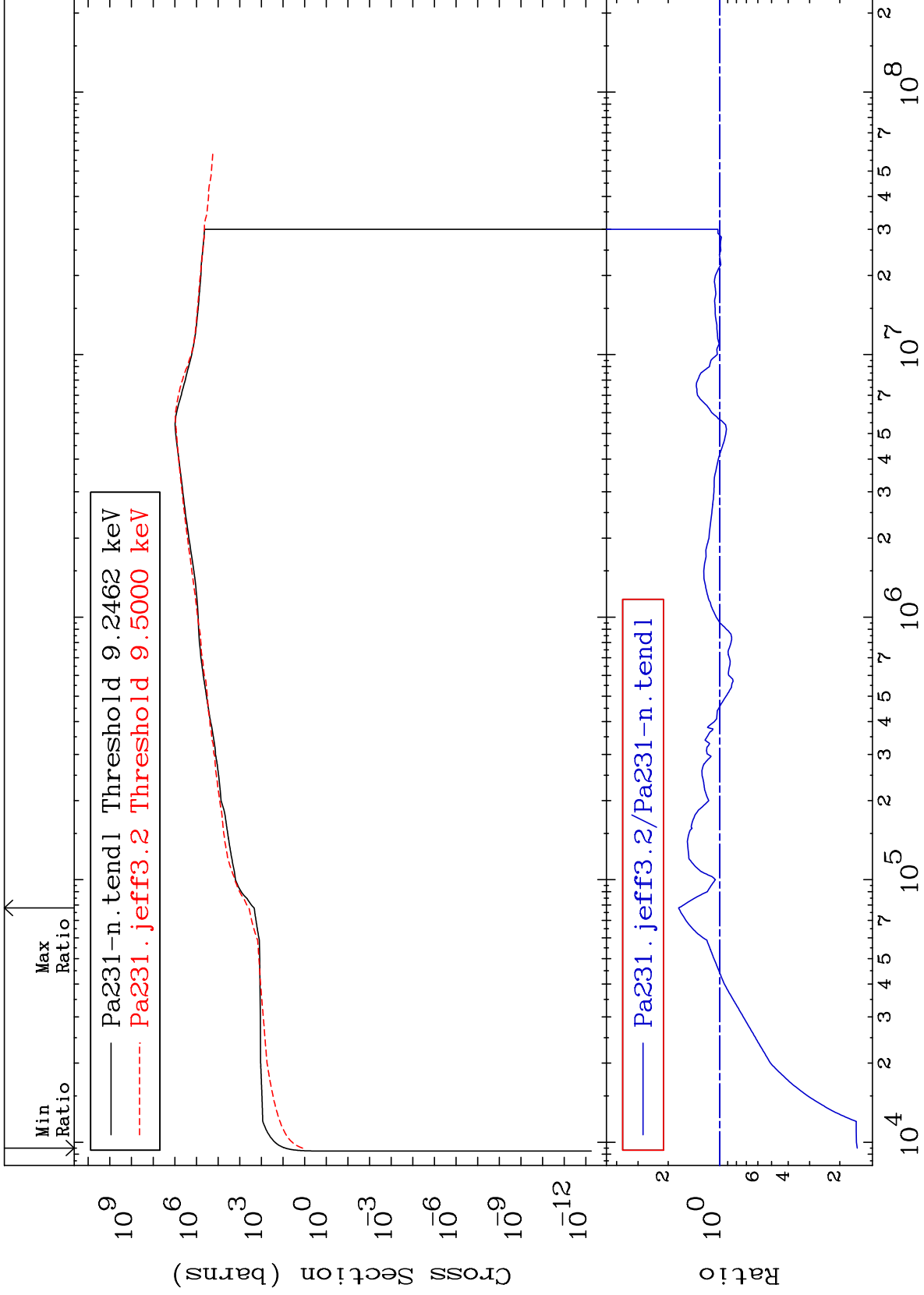




MAT 9131

Kerma inelastic (mt51-91)  
Cross Section

91-Pa-231  
-84.18 To 73.90 %



31

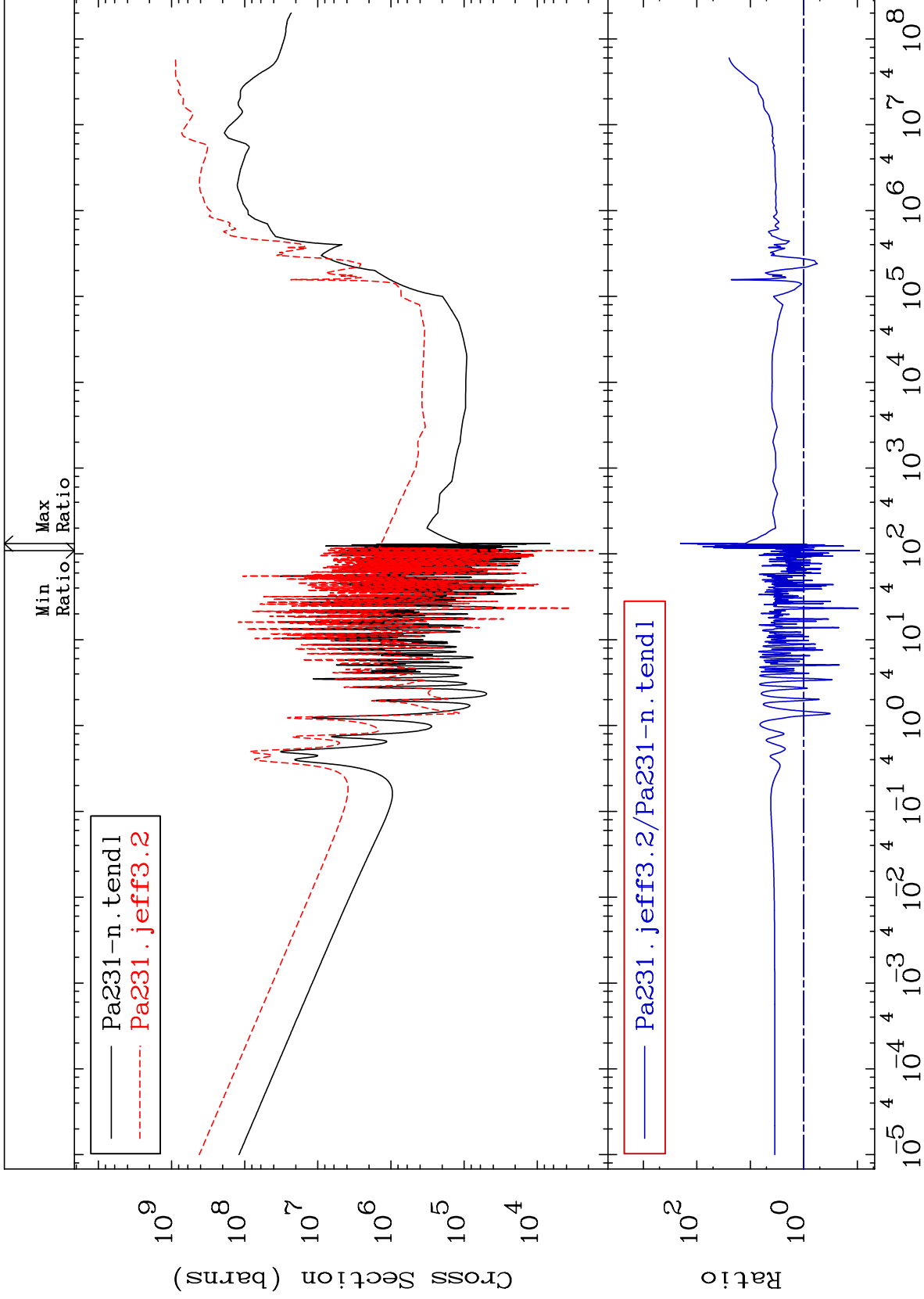
Incident Energy (eV)

91-Pa-231

MAT 9131

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

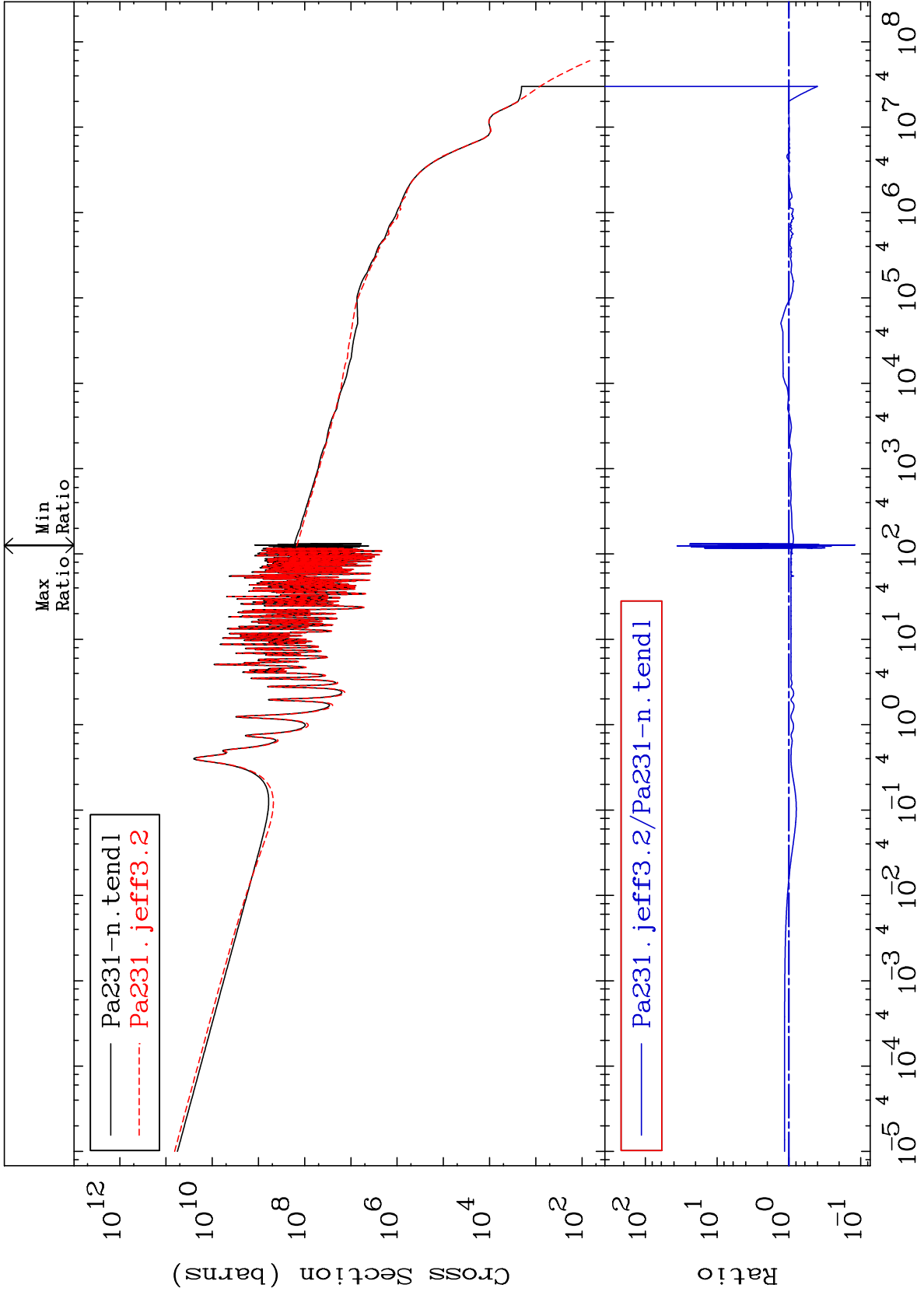
91-Pa-231  
-90.89 To 9999. %



MAT 9131

Kerma capture (mt102)  
Cross Section

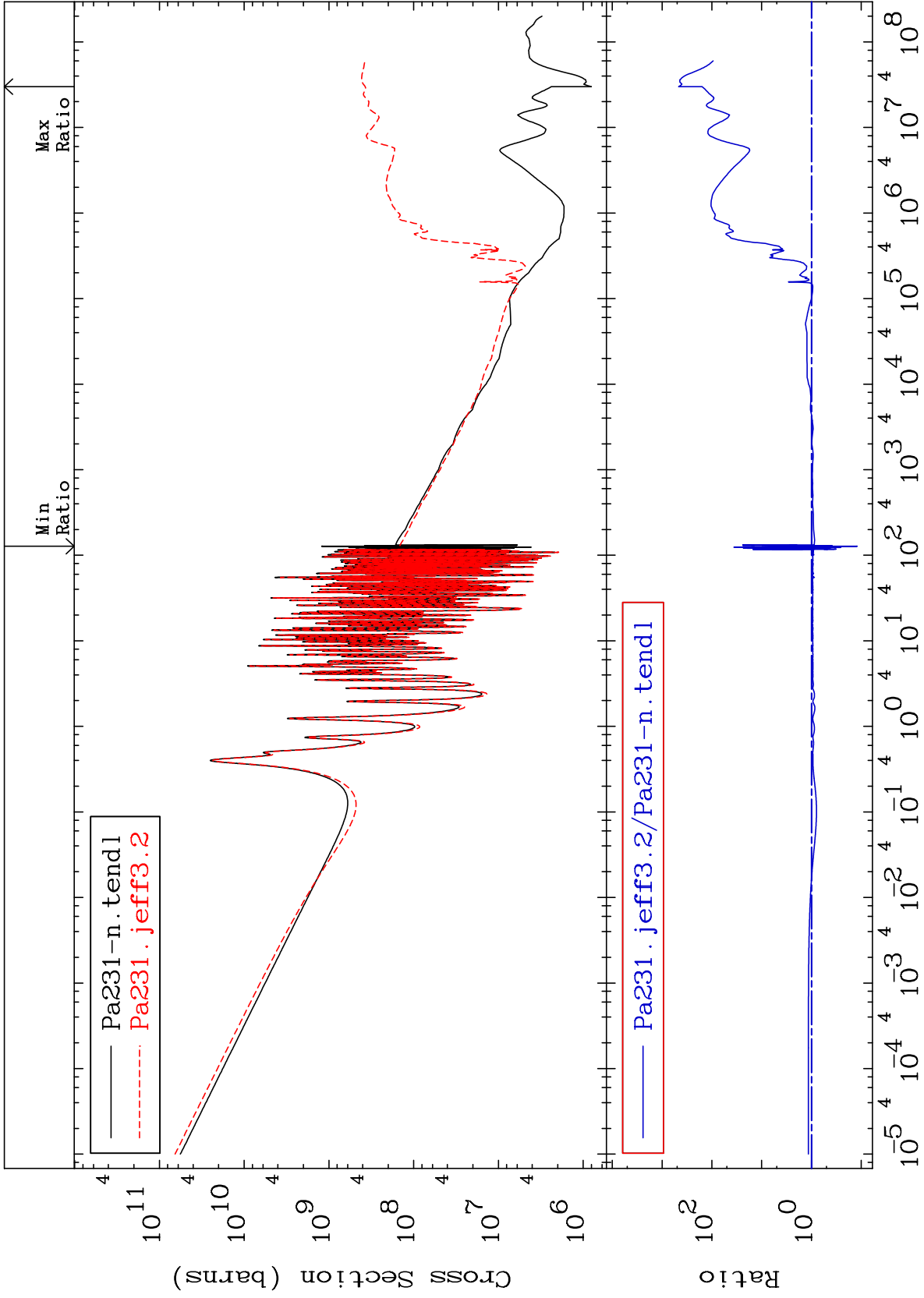
91-Pa-231  
-88.03 To 3527. %



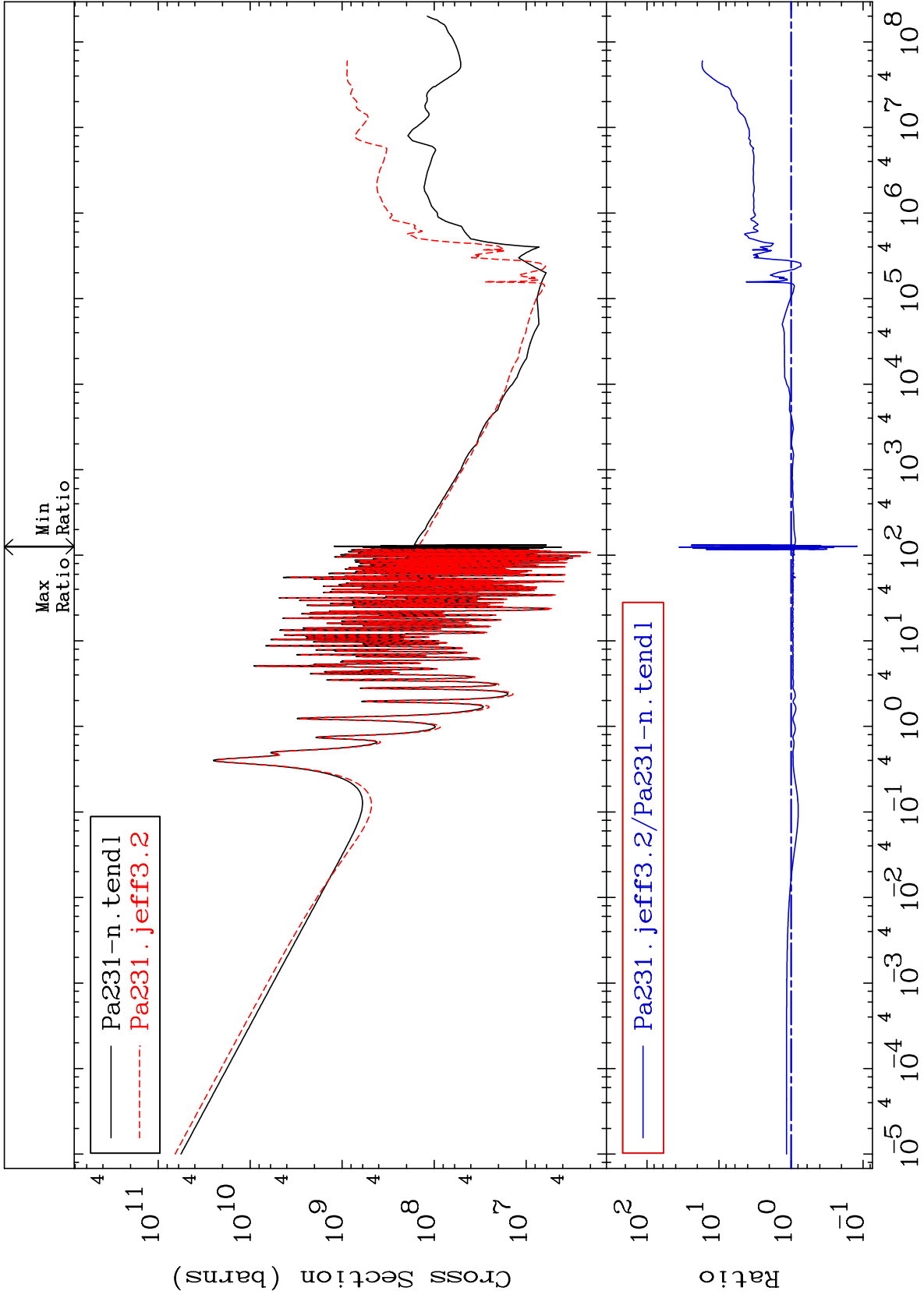
MAT 9131

Total photon (eV-barns)  
Cross Section

91-Pa-231  
-87.97 To 9999. %







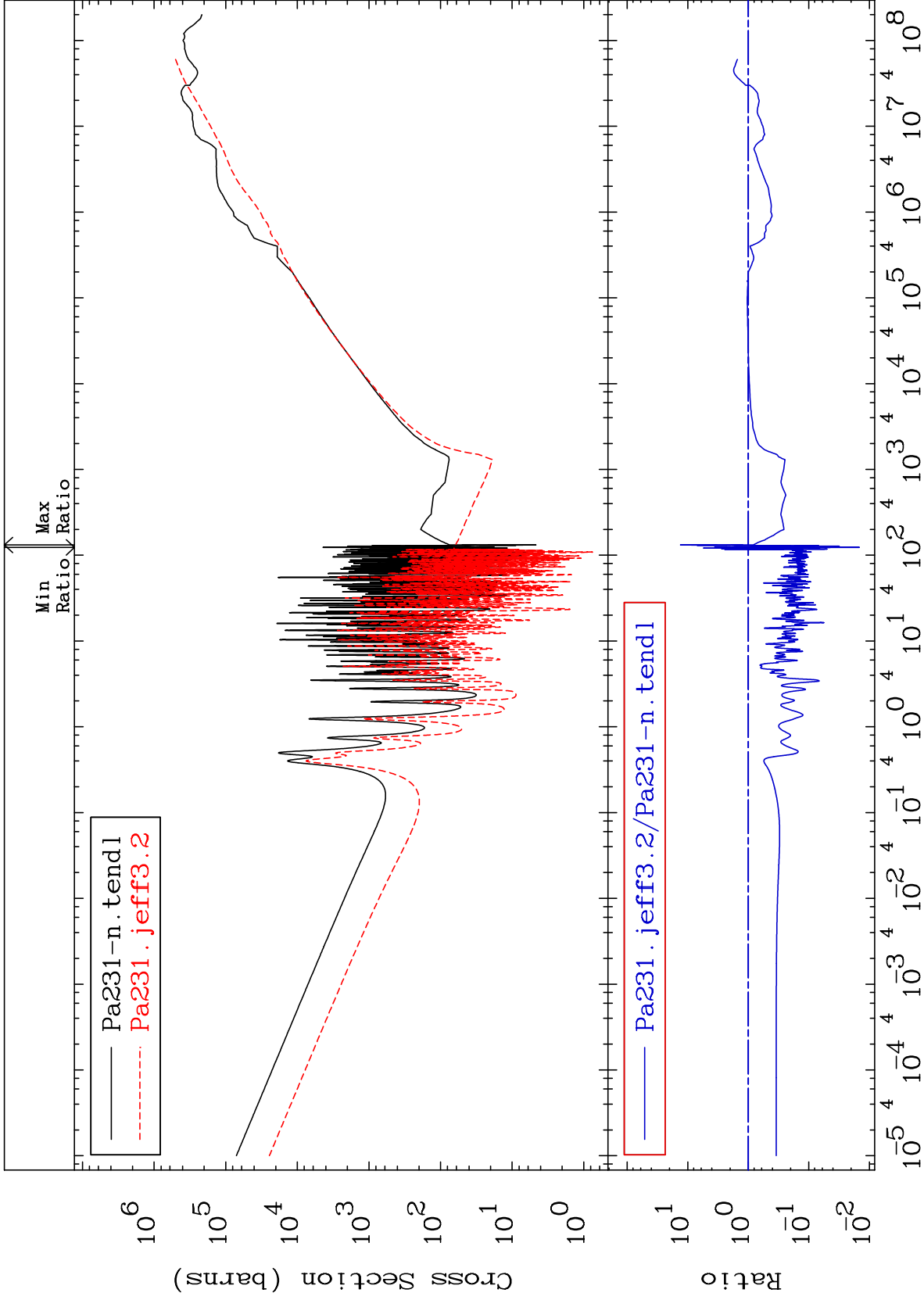
MAT 9131

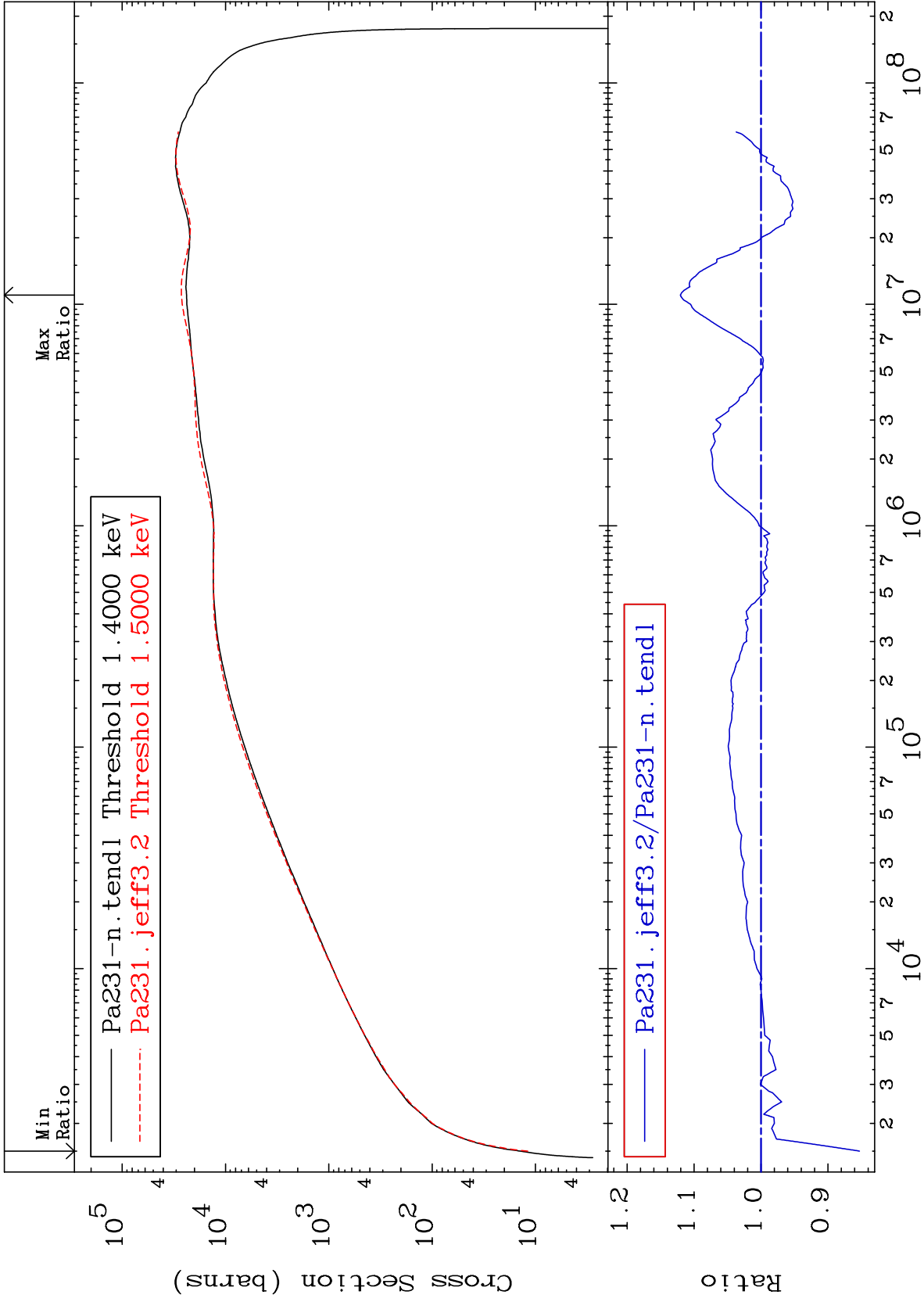
Dpa total (eV-barns)

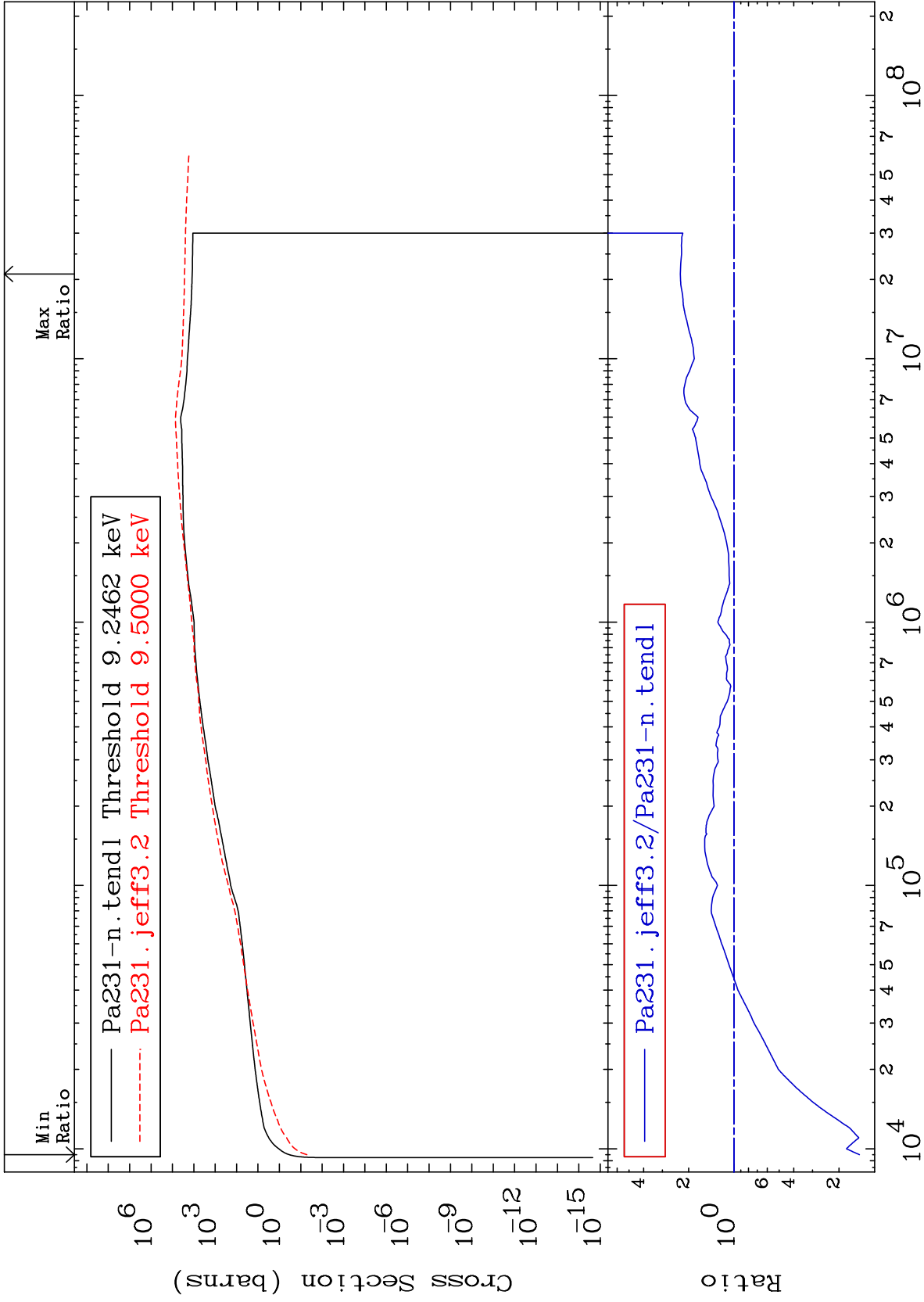
91-Pa-231

-98.54 To 1224. %

Cross Section







MAT 9131

Dpa disappearance (mt102 -120)  
Cross Section

91-Pa-231  
-92.14 To 5177. %

