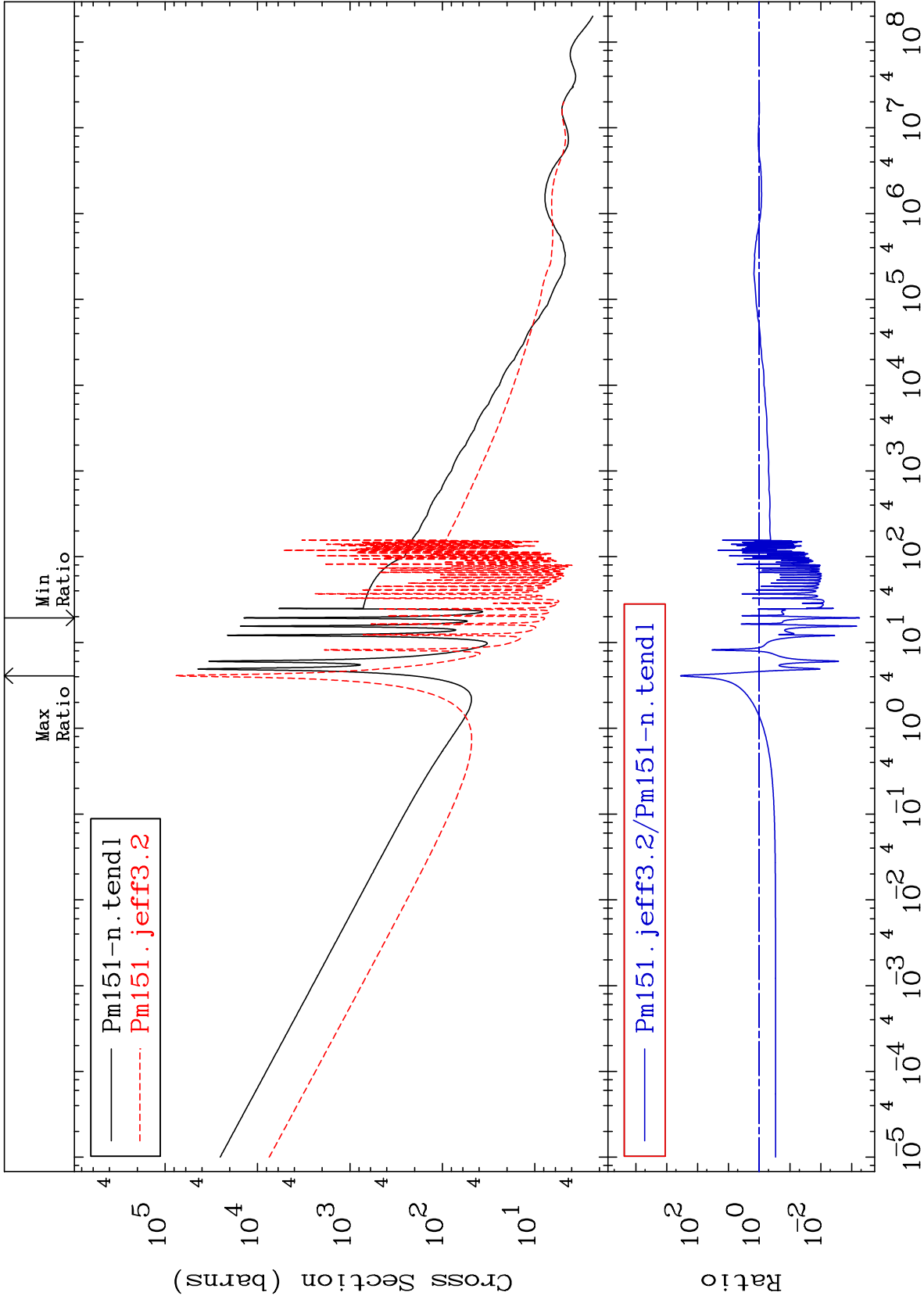


MAT 6161

Total Cross Section  
61-Pm-151  
-99.94 To 9999. %

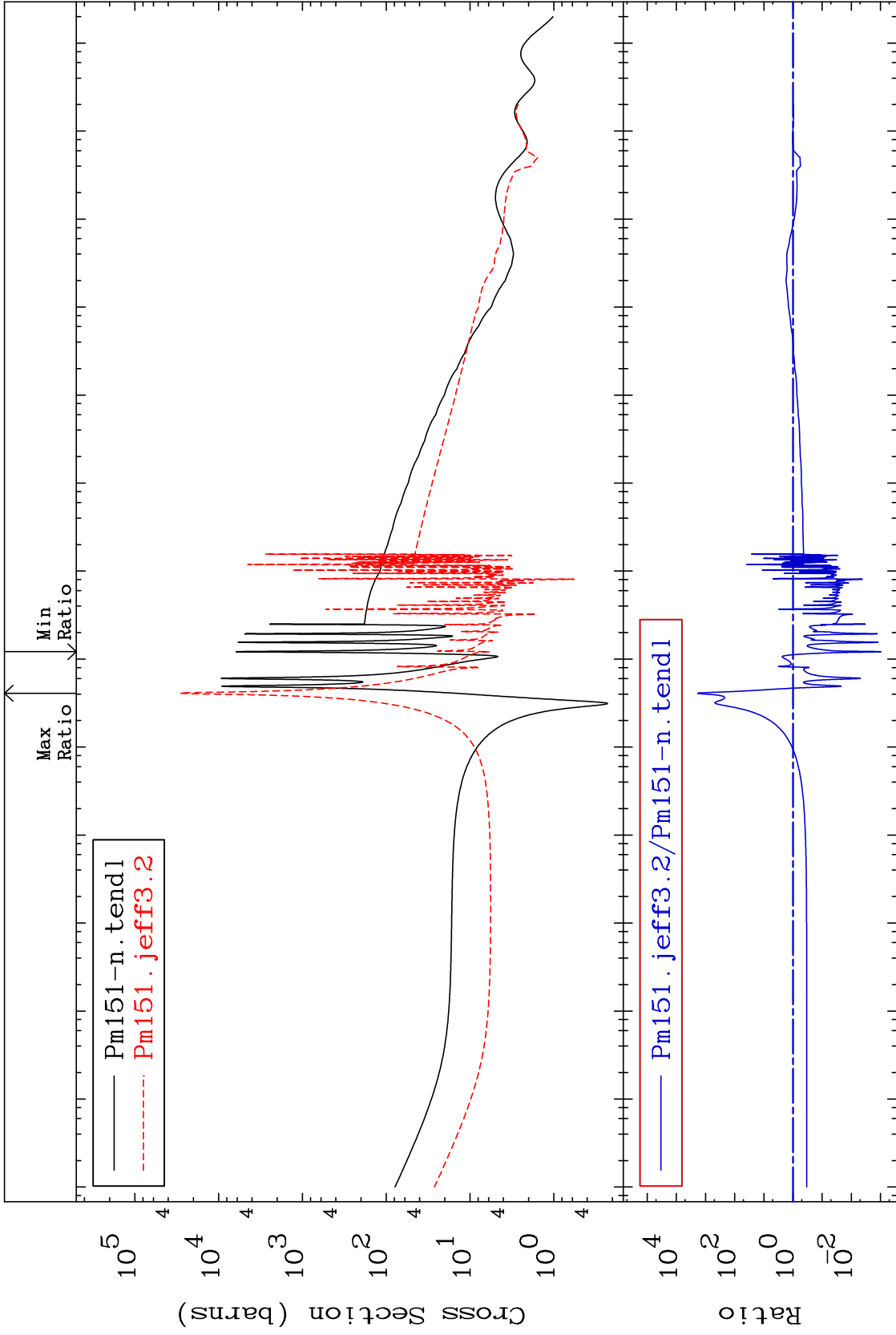


Incident Energy (eV) 61-Pm-151

MAT 6161

Elastic  
Cross Section

61-Pm-151  
-99.90 To 9999. %



Incident Energy (eV)

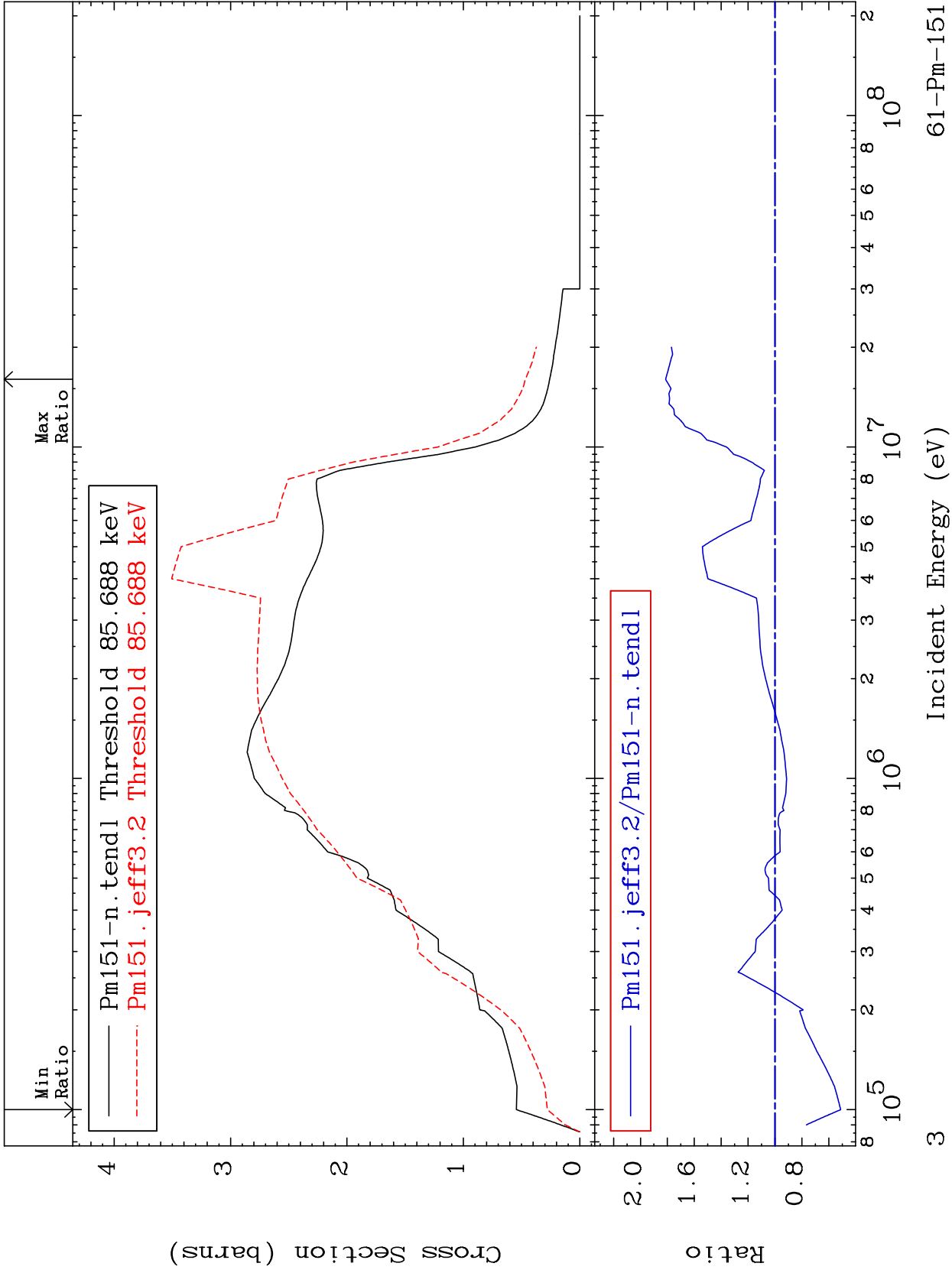
2

61-Pm-151

MAT 6161

Inelastic  
Cross Section

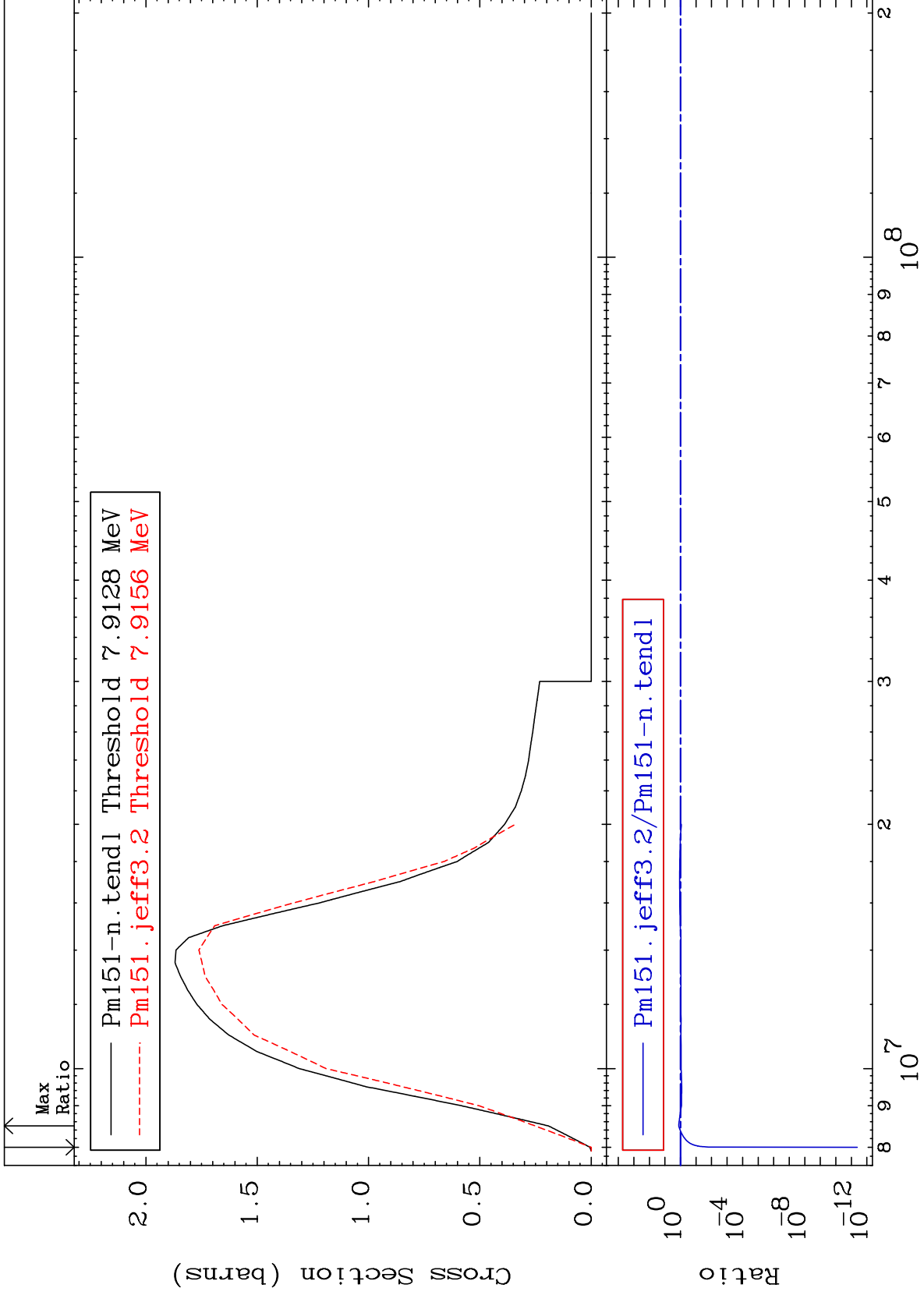
61-Pm-151  
-48.76 To 81.40 %



MAT 6161

(n,2n)  
Cross Section

61-Pm-151  
-100.0 To 31.23 %



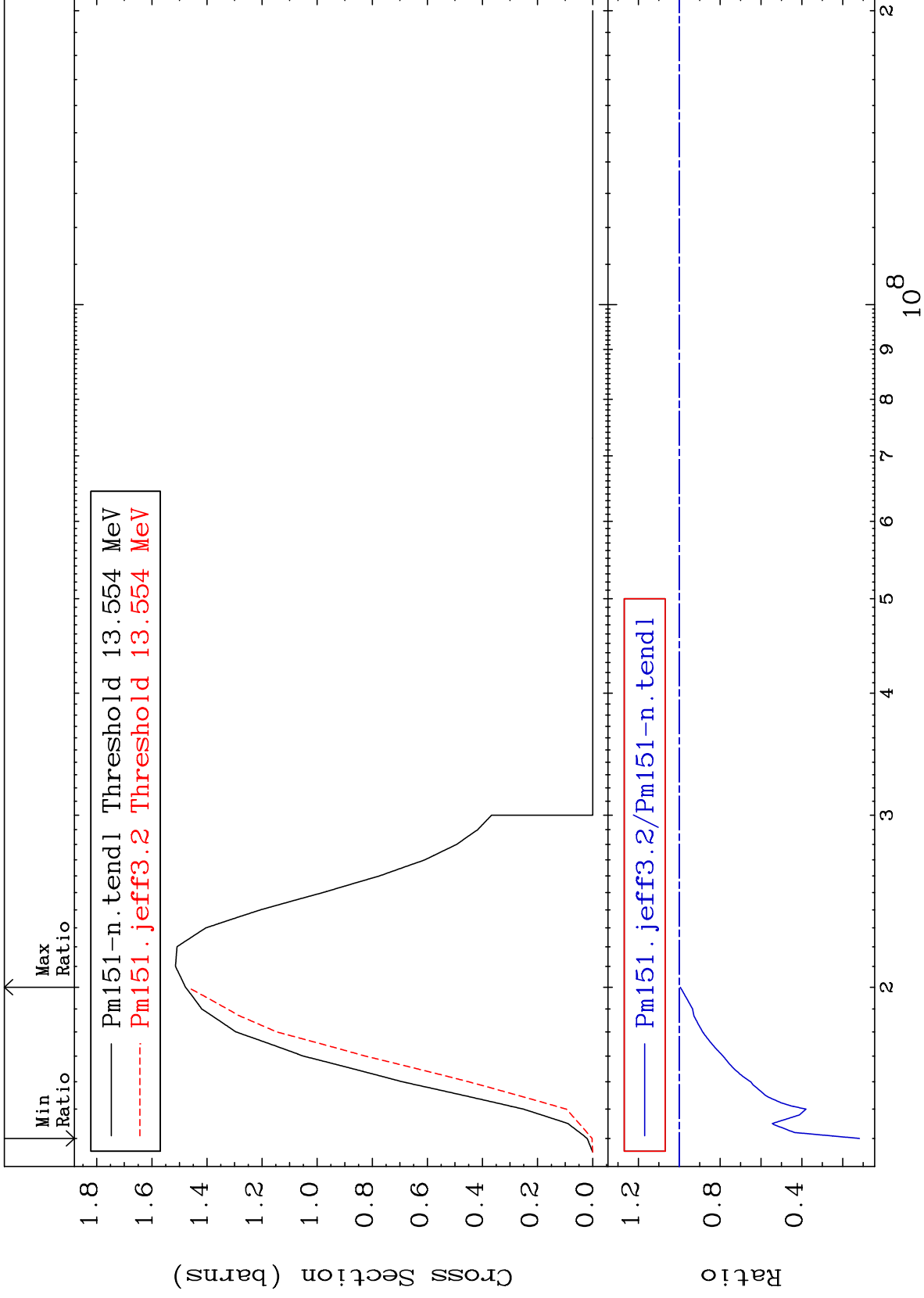
MAT 6161

(n,3n)

61-Pm-151

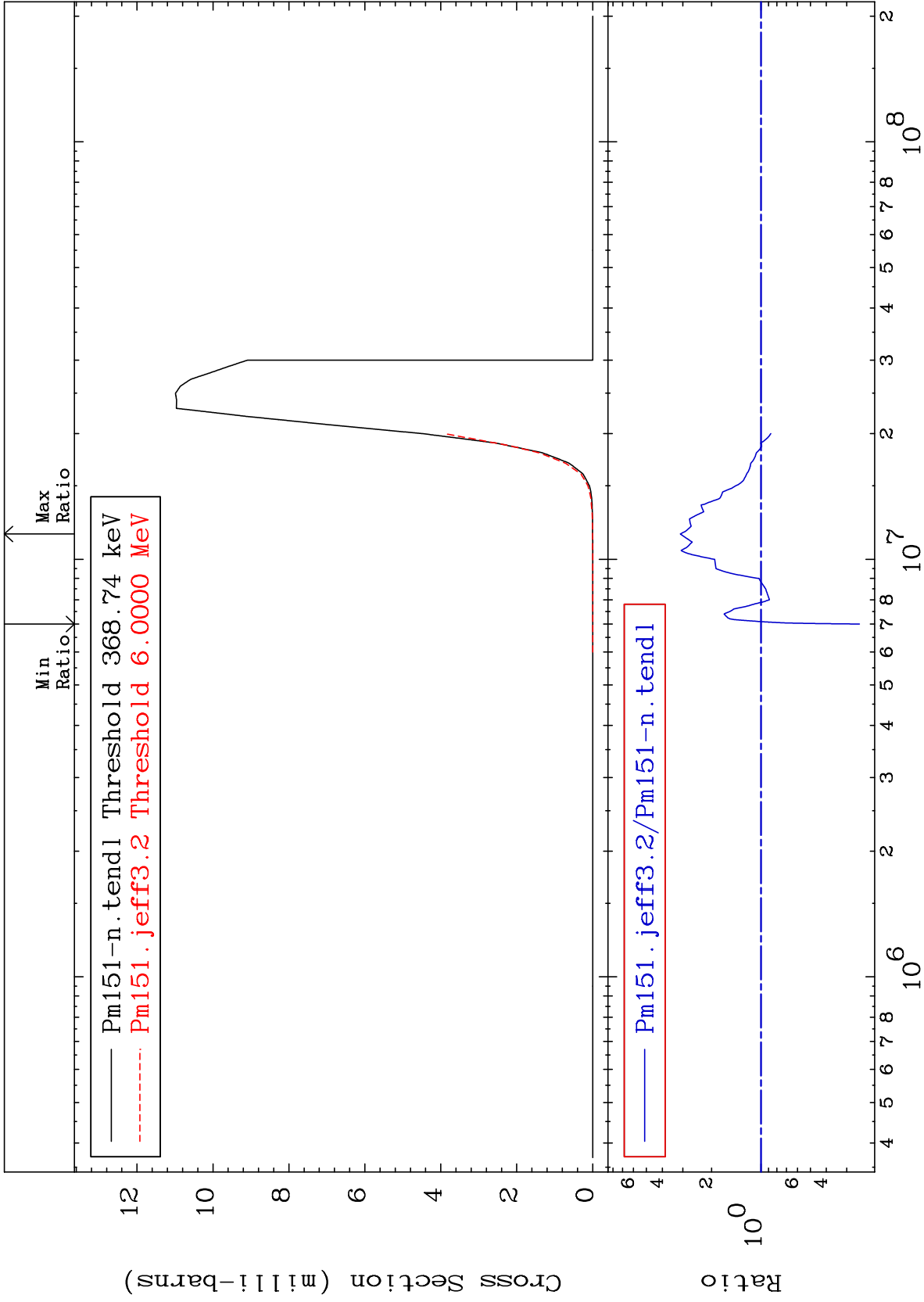
Cross Section

-88.13 To -0.541%



MAT 6161

$(n, n') \alpha$  Cross Section  
61-Pm-151  
-74.89 To 210.4 %



6

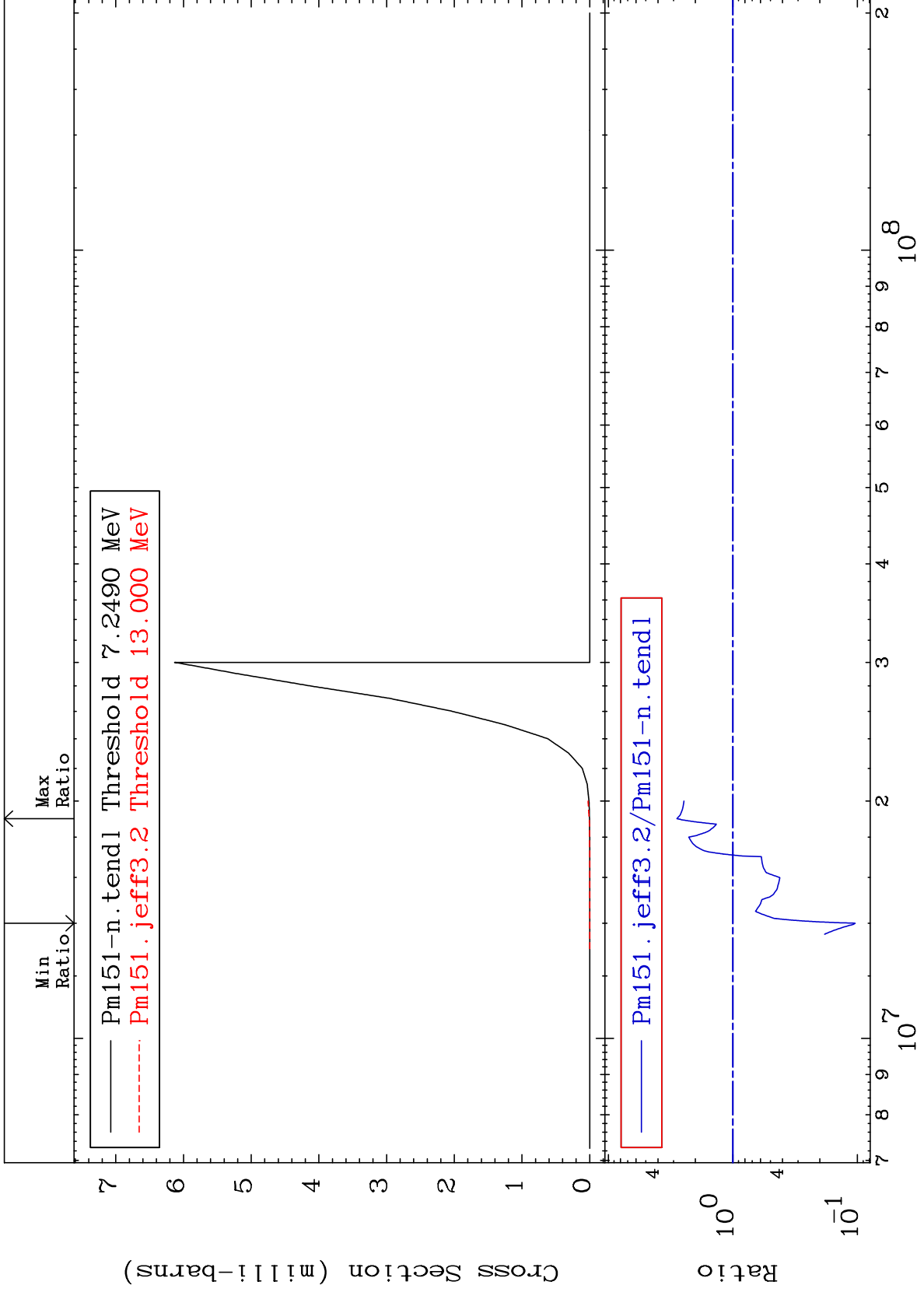
Incident Energy (eV)

61-Pm-151

MAT 6161

(n,2n)  $\alpha$   
Cross Section

61-Pm-151  
-89.57 To 181.4 %



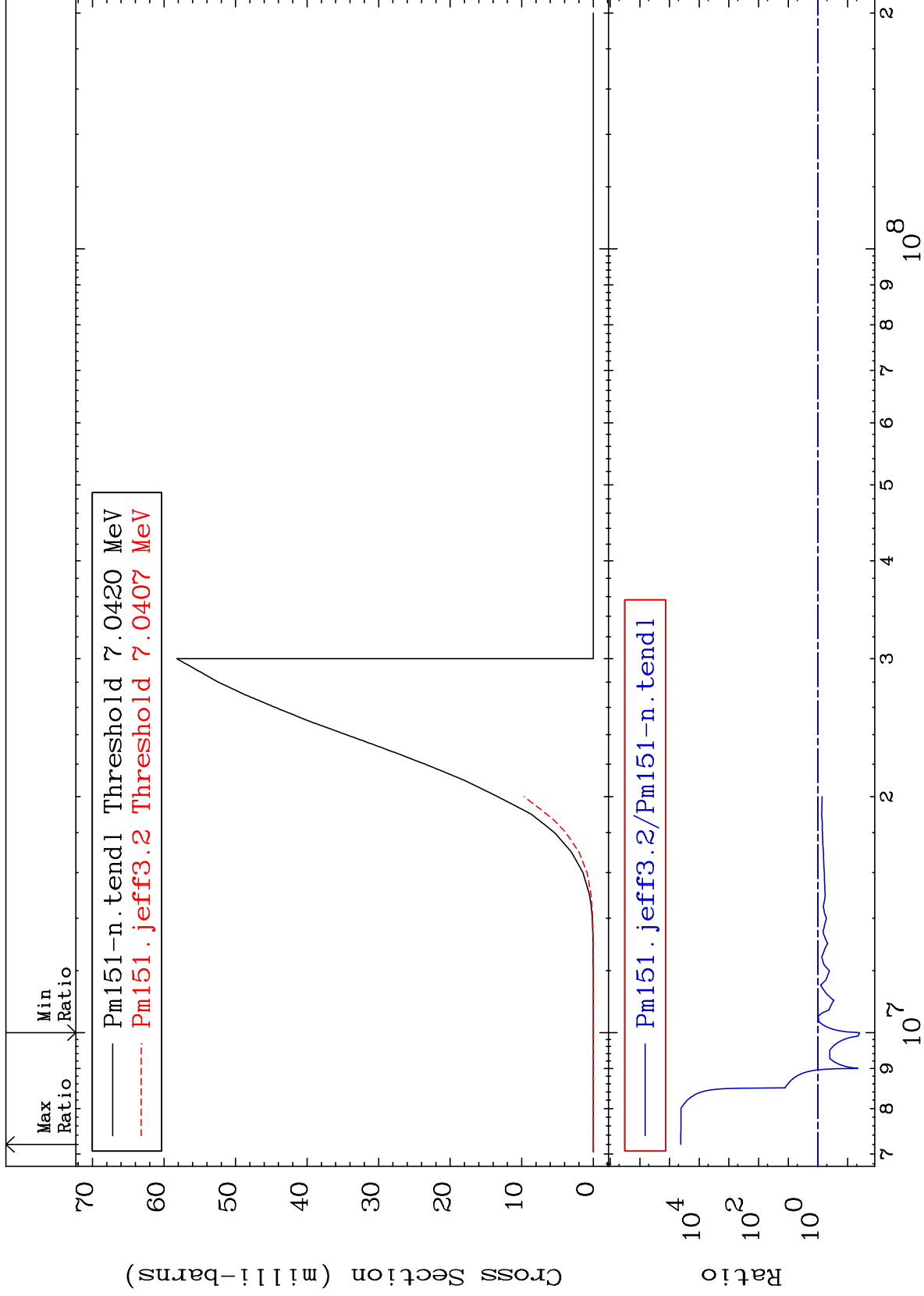
61-Pm-151

7

MAT 6161

(n, n') p  
Cross Section

61-Pm-151  
-96.03 To 9999. %



8

61-Pm-151

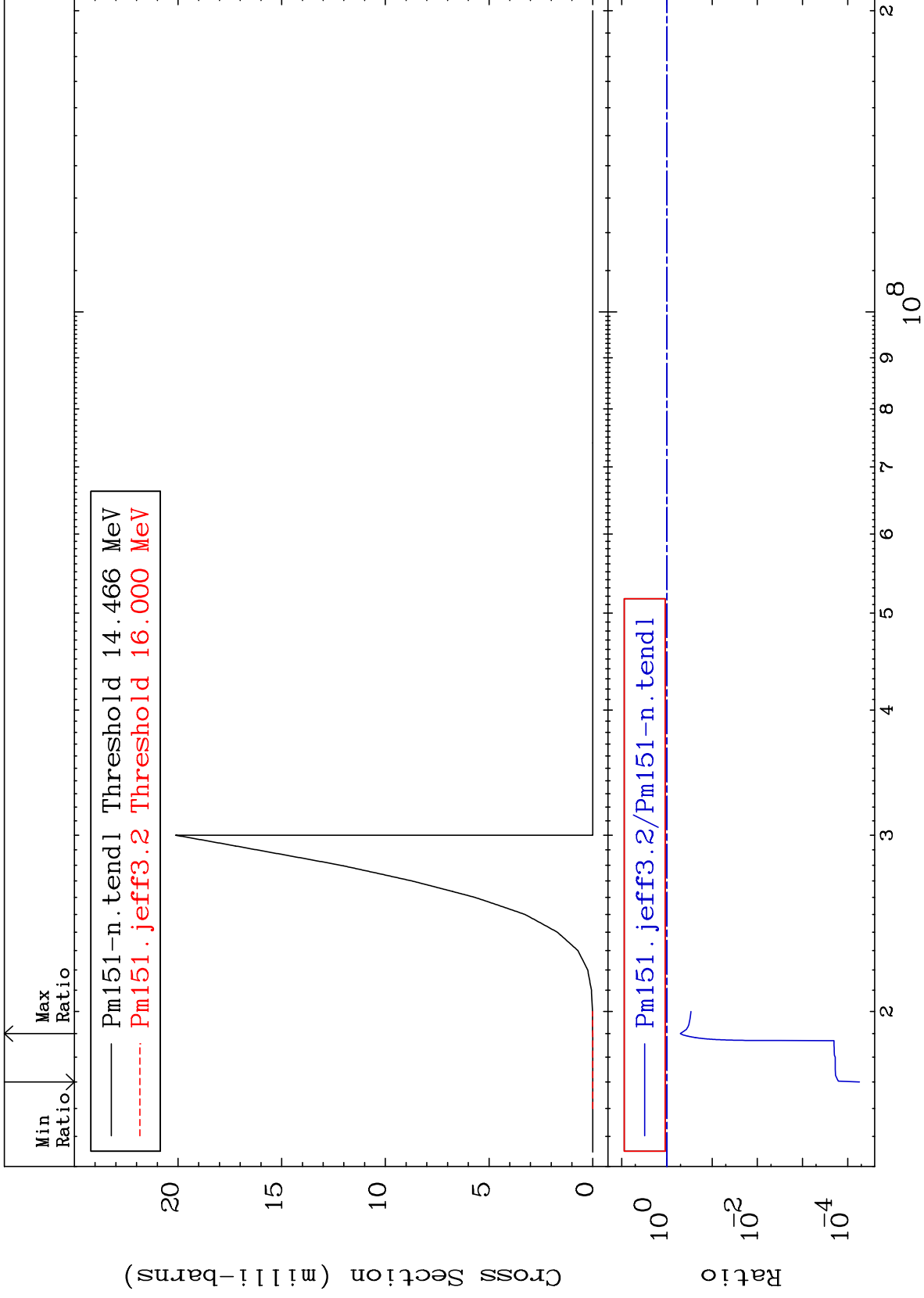
61-Pm-151



MAT 6161

(n,2n) p  
Cross Section

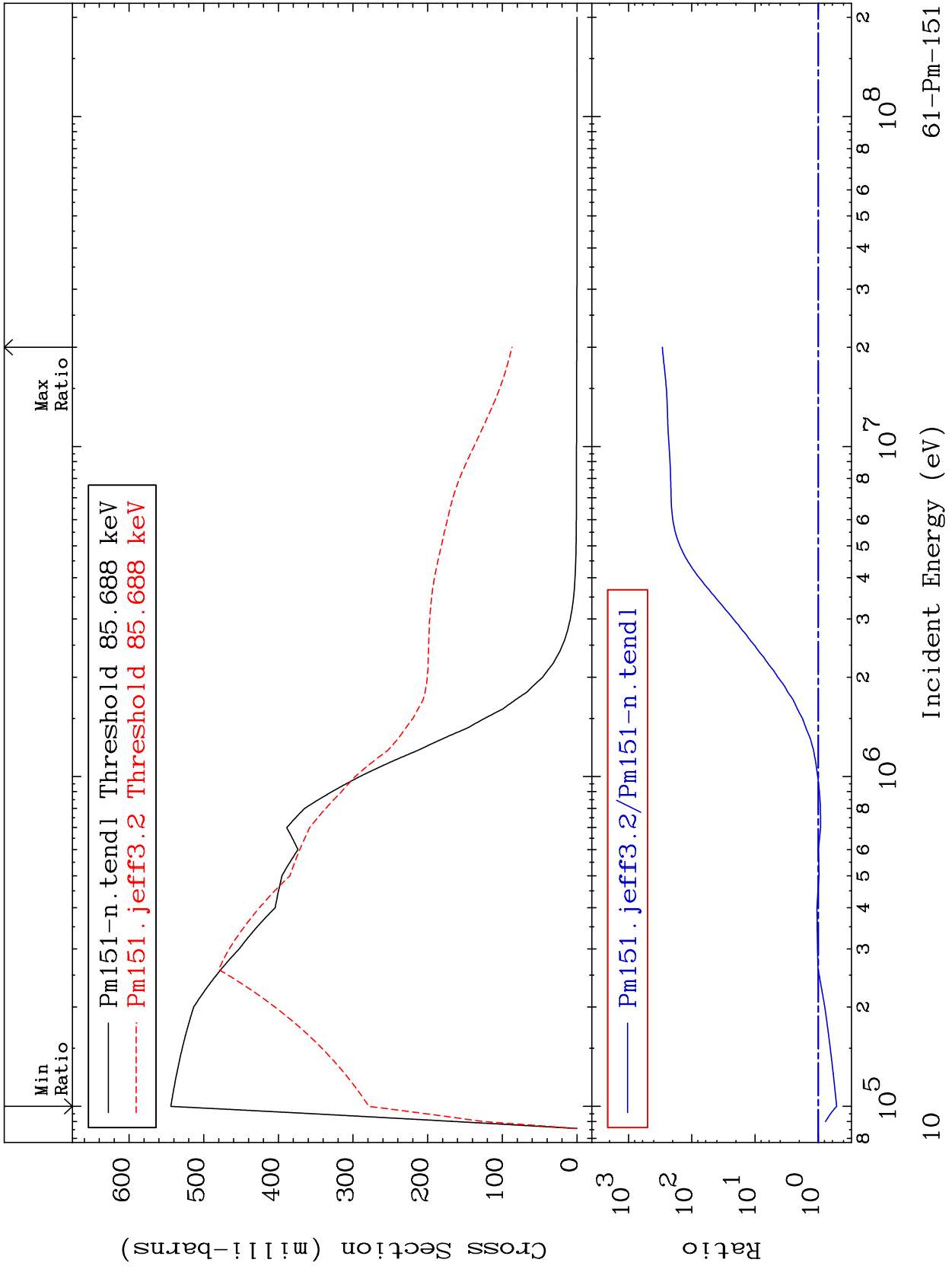
61-Pm-151  
-99.99 To -49.50%



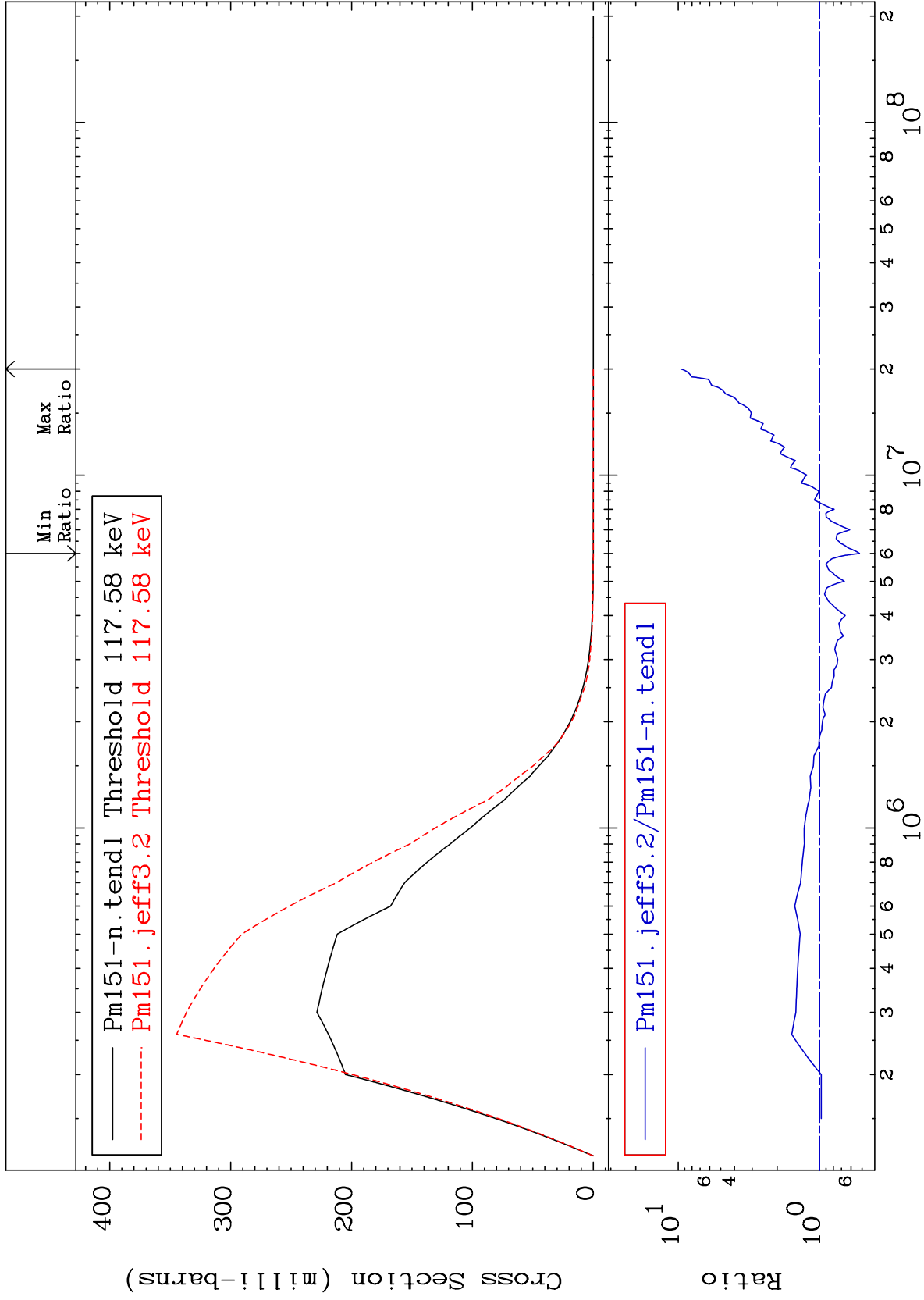
MAT 6161

85.12 keV (n,n') Level  
Cross Section

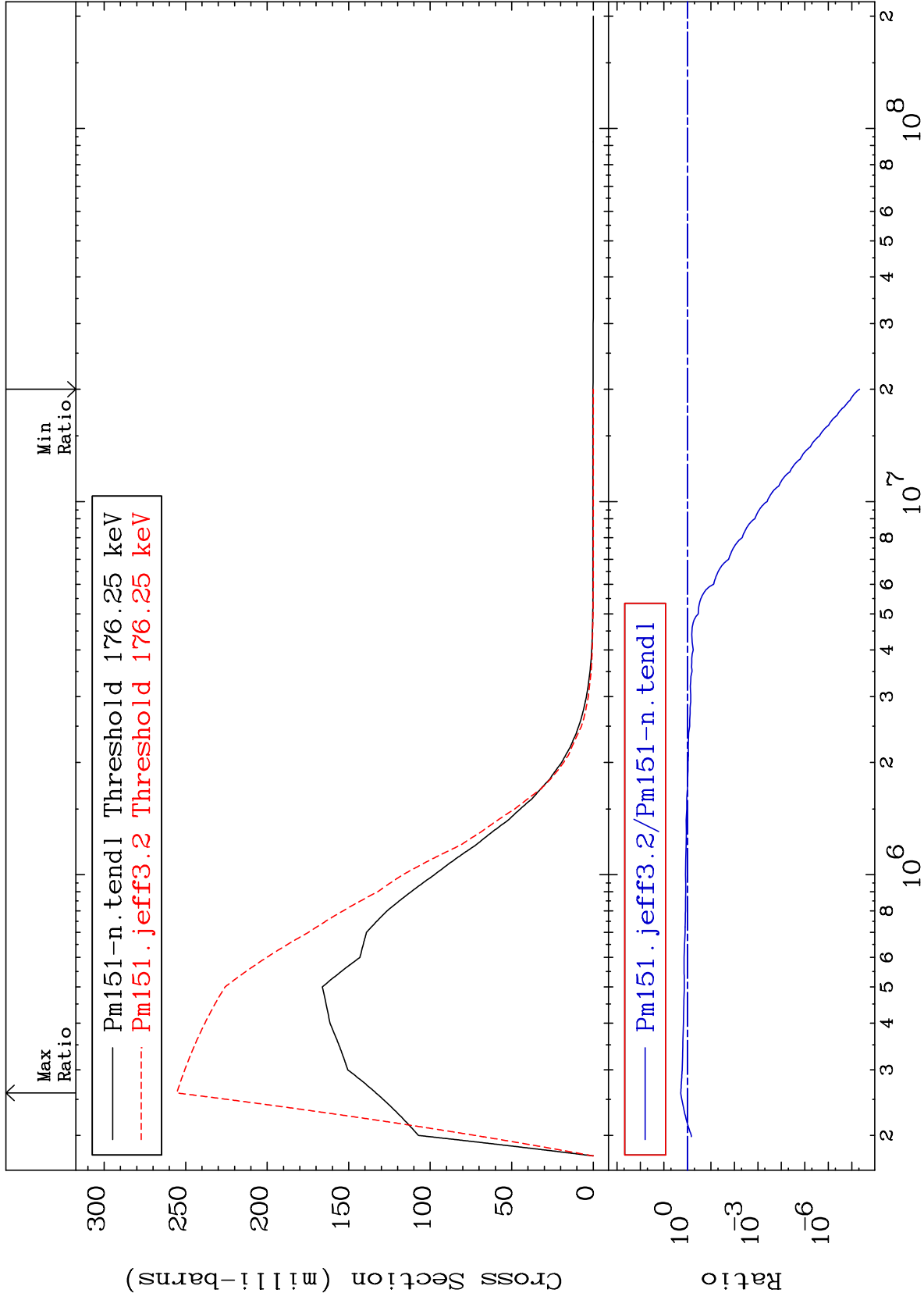
61-Pm-151  
-48.76 To 9999. %



MAT 6161 116.8 keV (n,n') Level 61-Pm-151  
 Cross Section -47.87 To 859.5 %



MAT 6161      175.1 keV (n,n') Level      61-Pm-151  
 Cross Section      -100.0 To 91.70 %

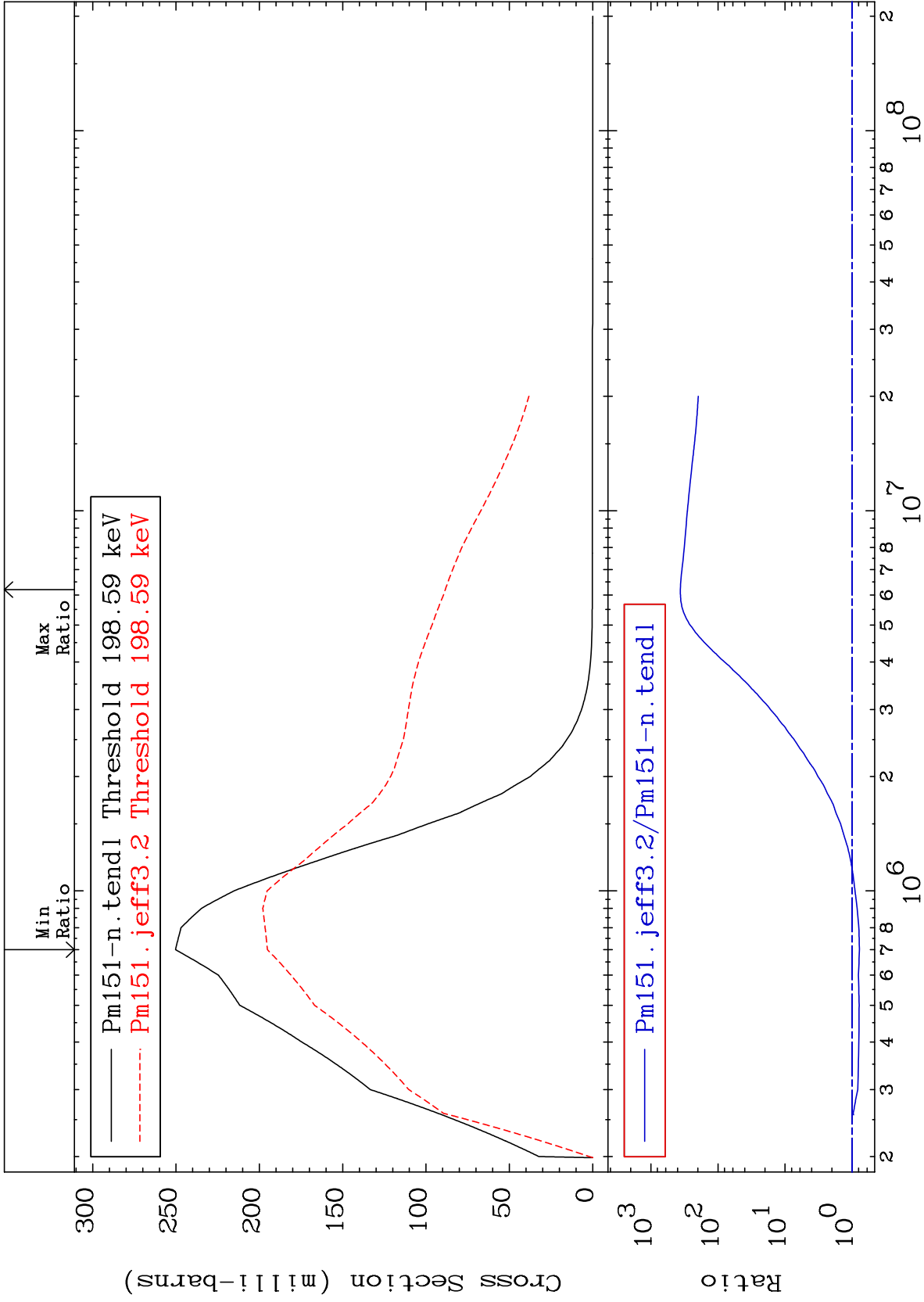


12      Incident Energy (eV)      61-Pm-151

MAT 6161

197.3 keV (n,n') Level  
Cross Section

61-Pm-151  
-22.04 To 9999. %



13

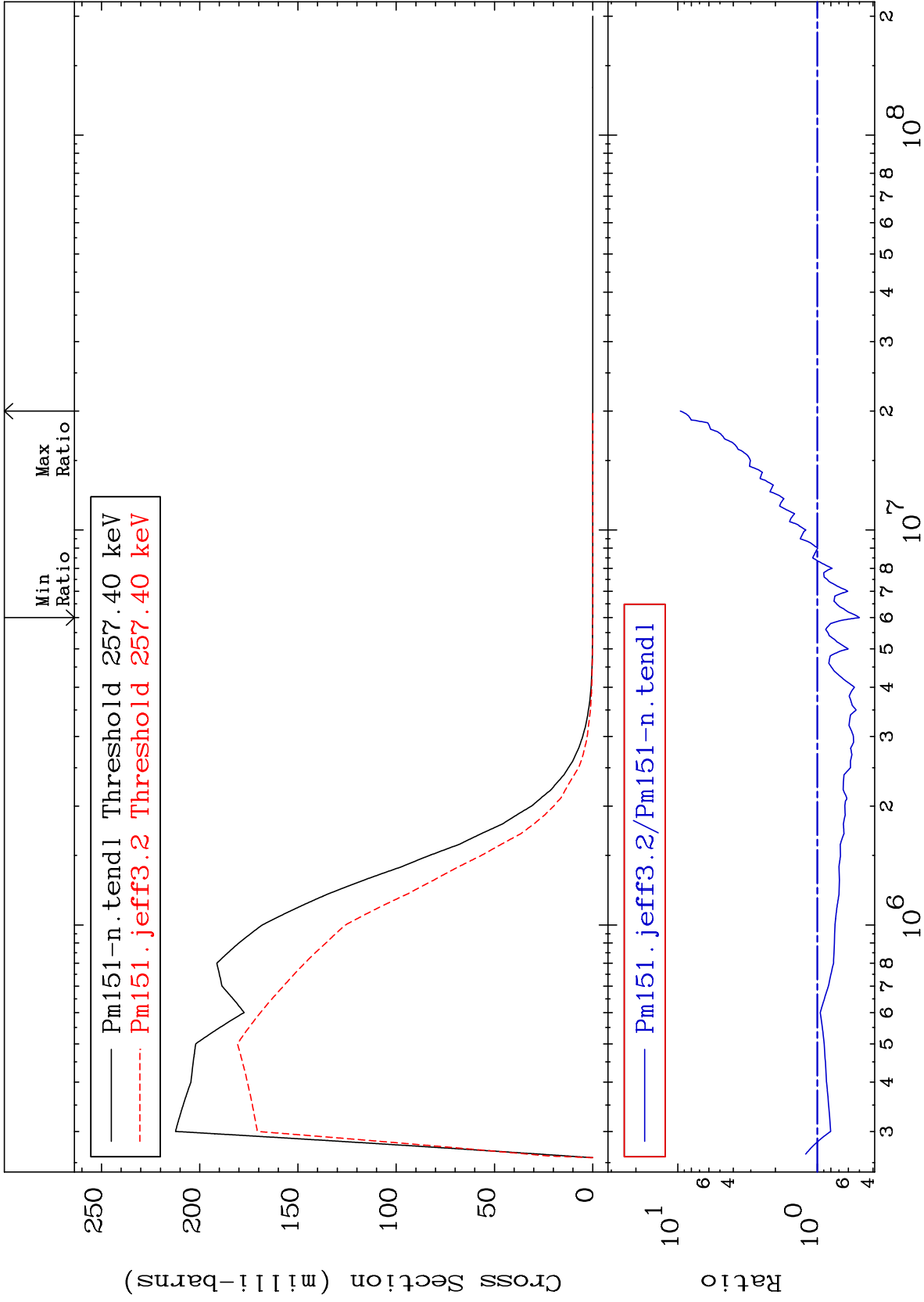
Incident Energy (eV)

61-Pm-151

MAT 6161

255.7 keV (n,n') Level  
Cross Section

61-Pm-151  
-50.02 To 858.9 %



14

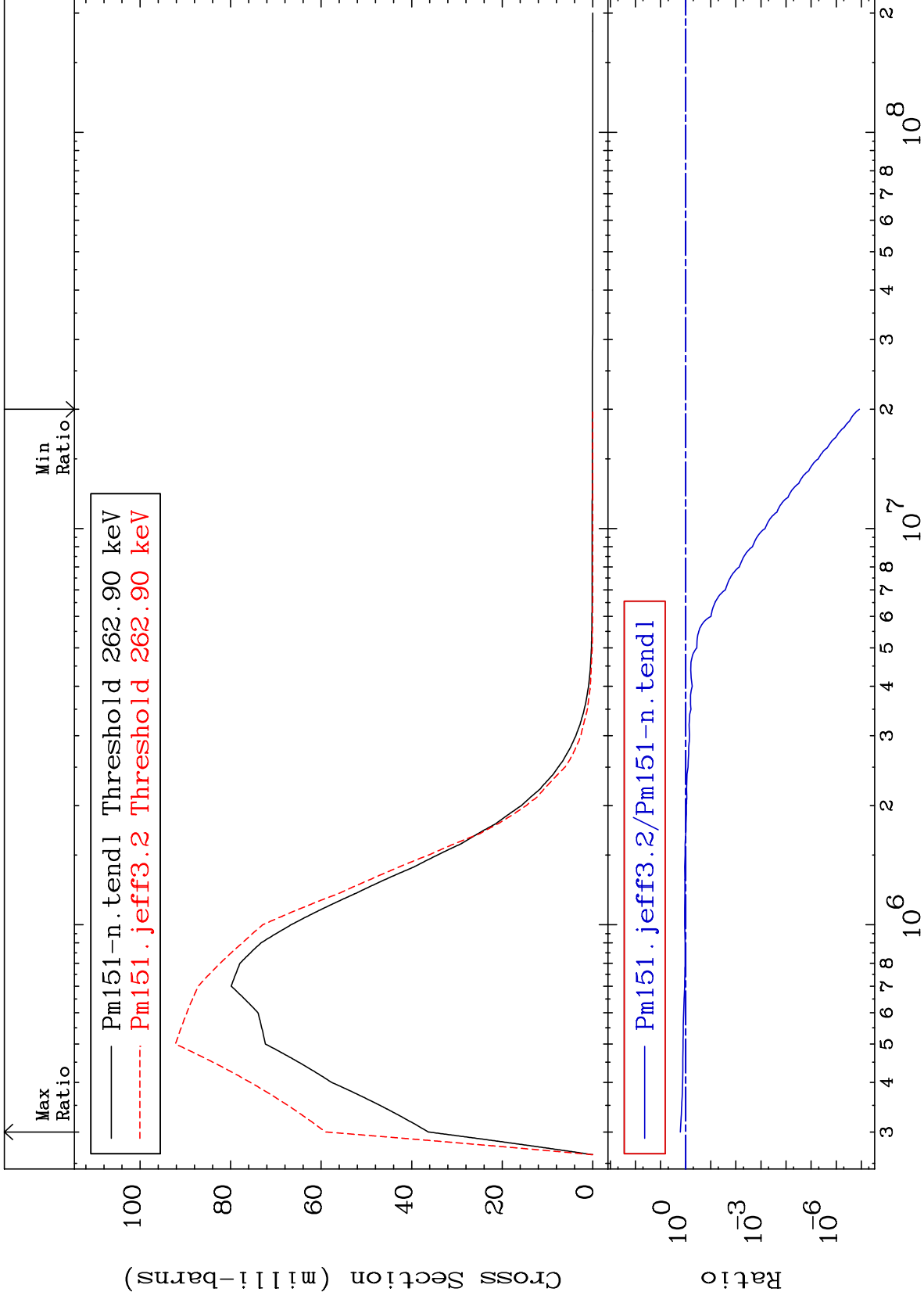
Incident Energy (eV)

61-Pm-151

MAT 6161

261.2 keV (n,n') Level  
Cross Section

61-Pm-151  
-100.0 To 62.65 %



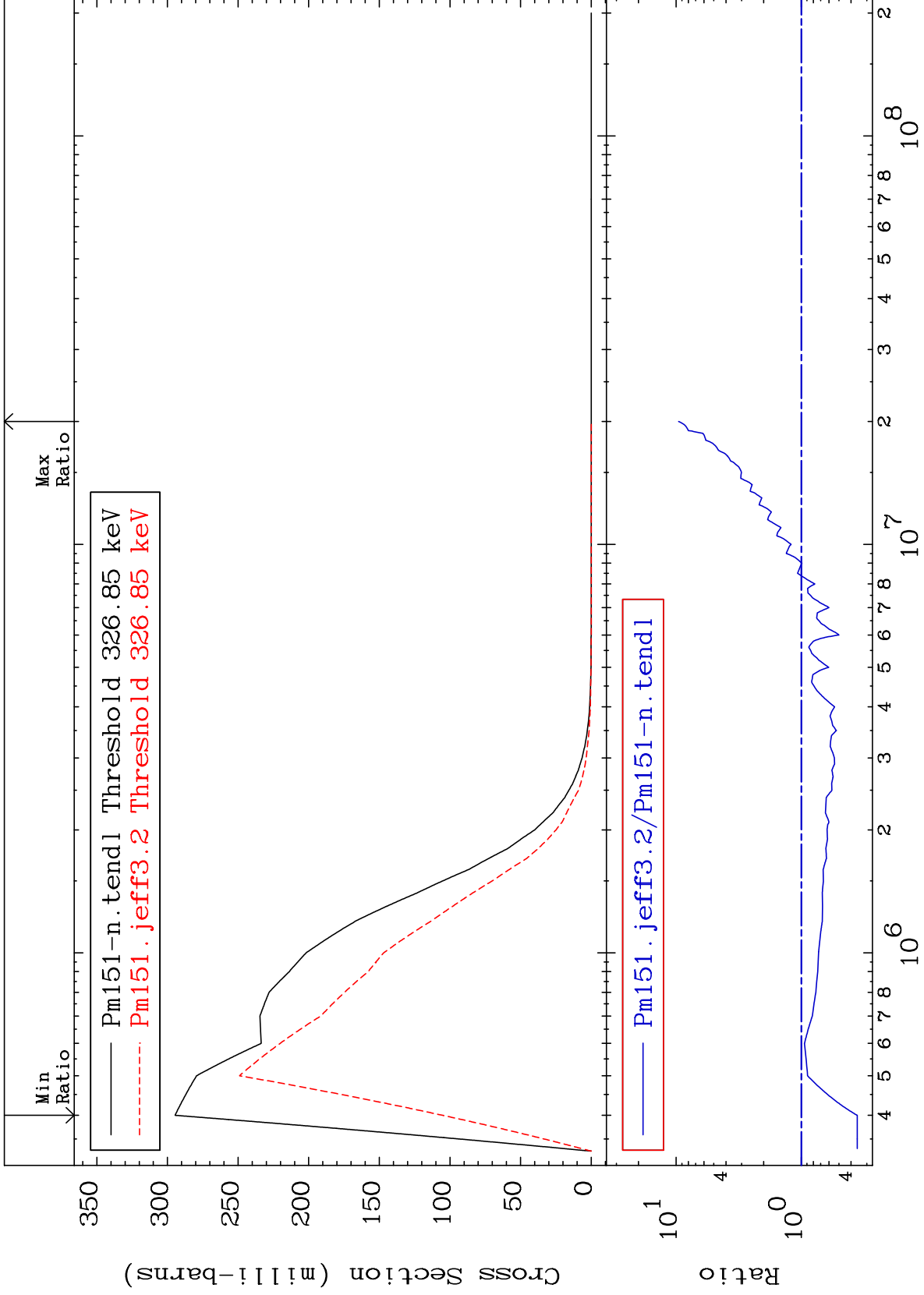
15

61-Pm-151

MAT 6161

324.7 keV (n,n') Level  
Cross Section

61-Pm-151  
-64.29 To 855.5 %



16

61-Pm-151

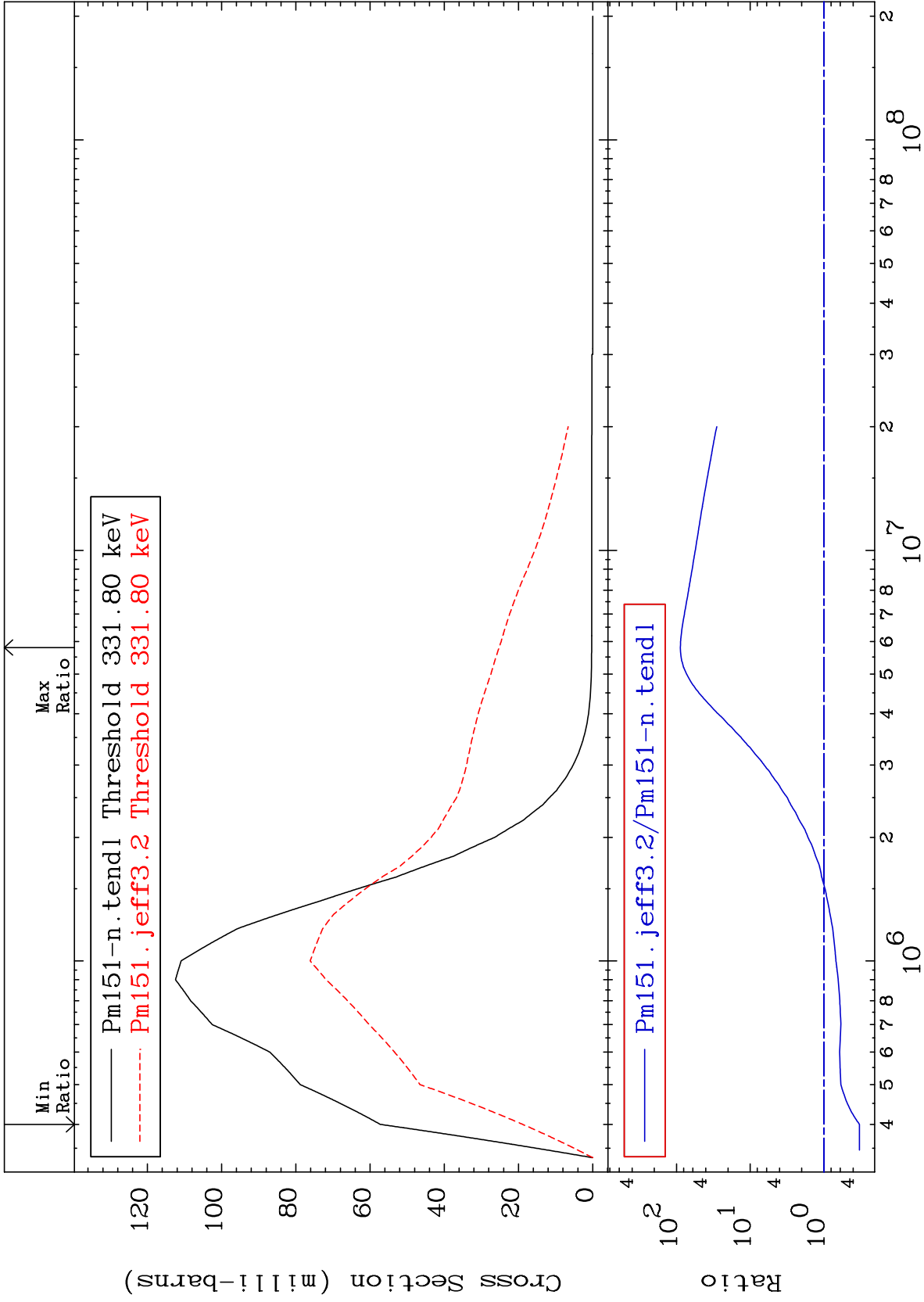
61-Pm-151



MAT 6161

329.6 keV (n,n') Level  
Cross Section

61-Pm-151  
-67.02 To 8761. %

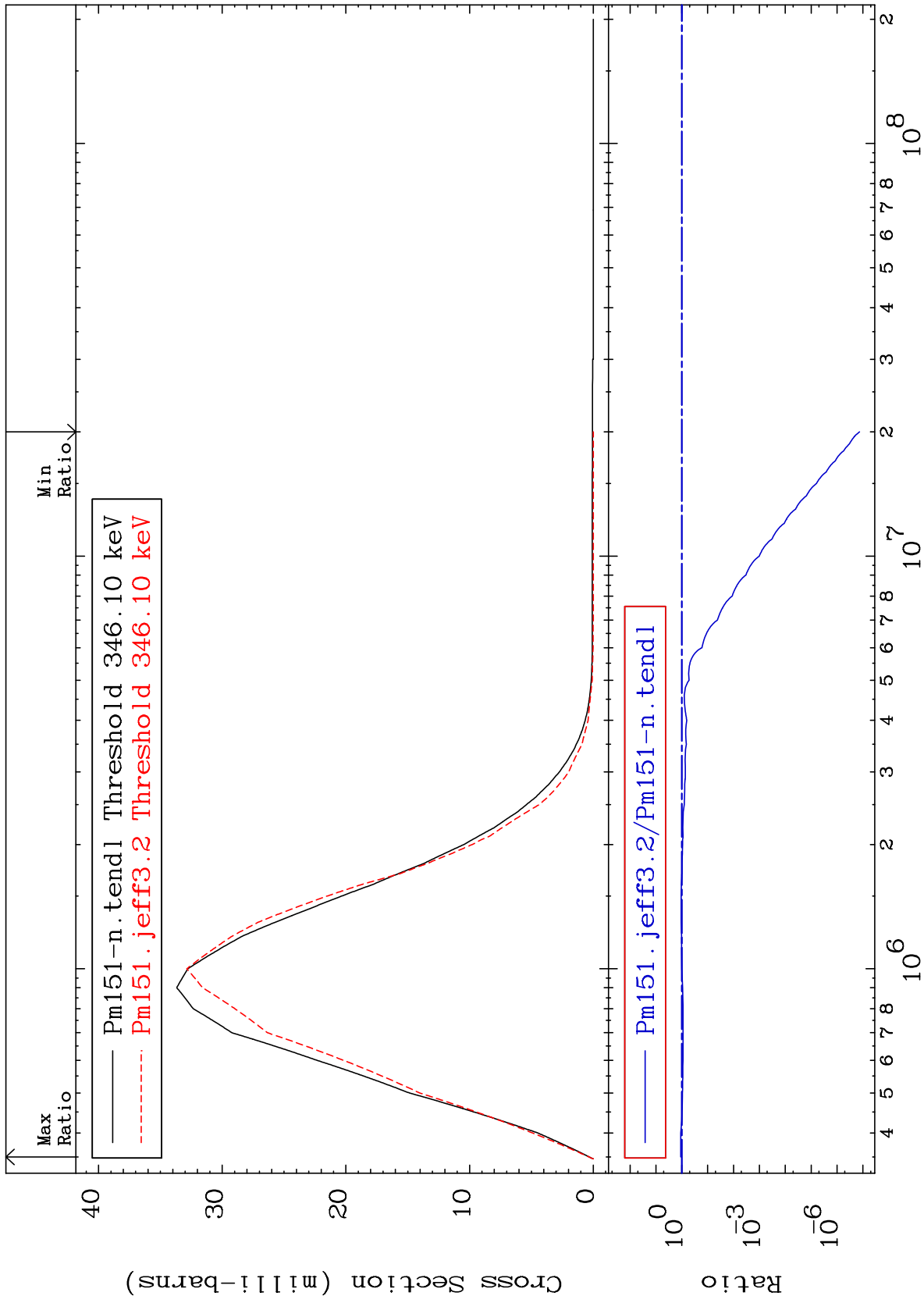


17

Incident Energy (eV)

61-Pm-151

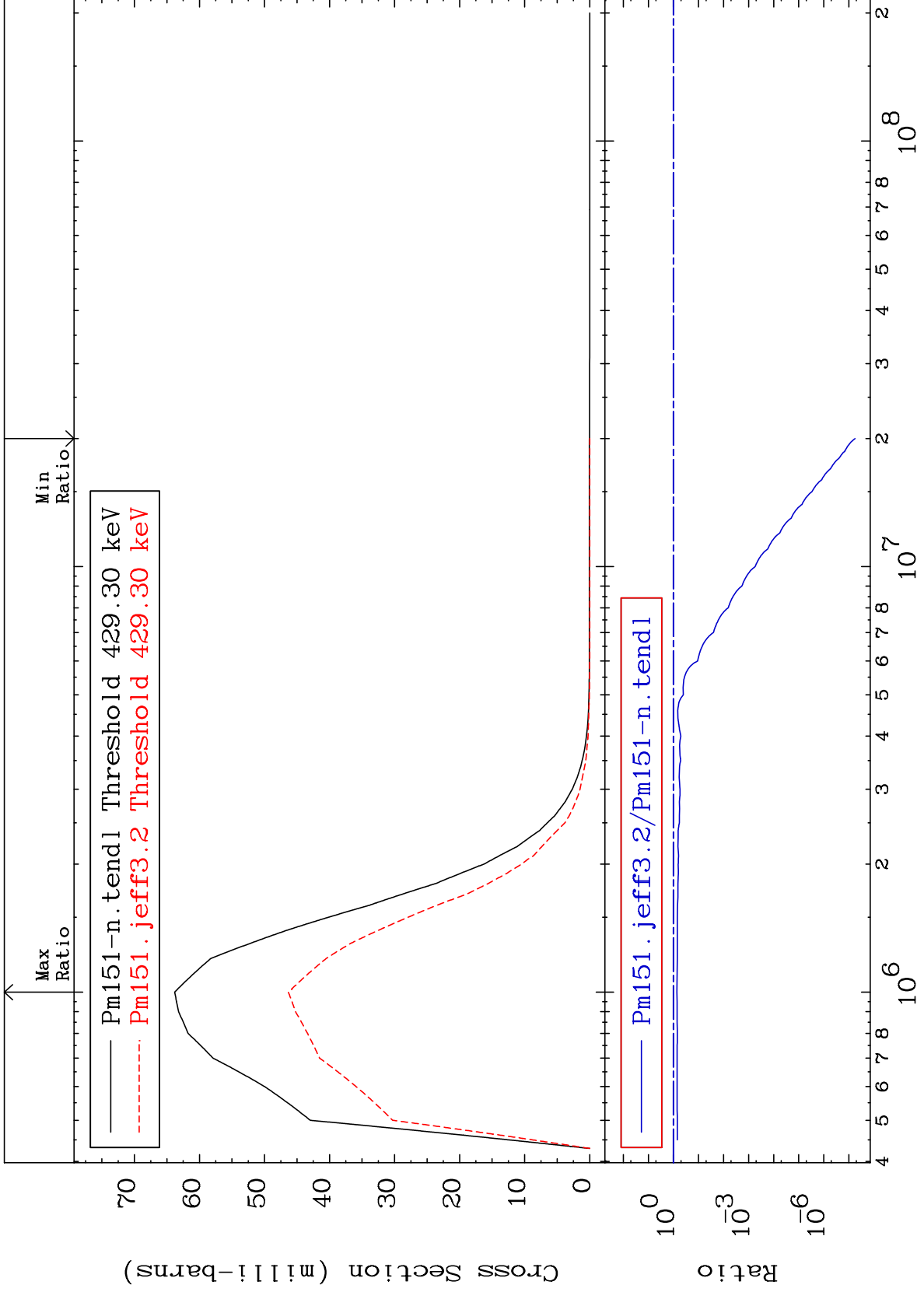
MAT 6161      343.8 keV (n,n') Level      61-Pm-151  
 Cross Section      -100.0 To 9.720 %



MAT 6161

426.5 keV (n,n') Level  
Cross Section

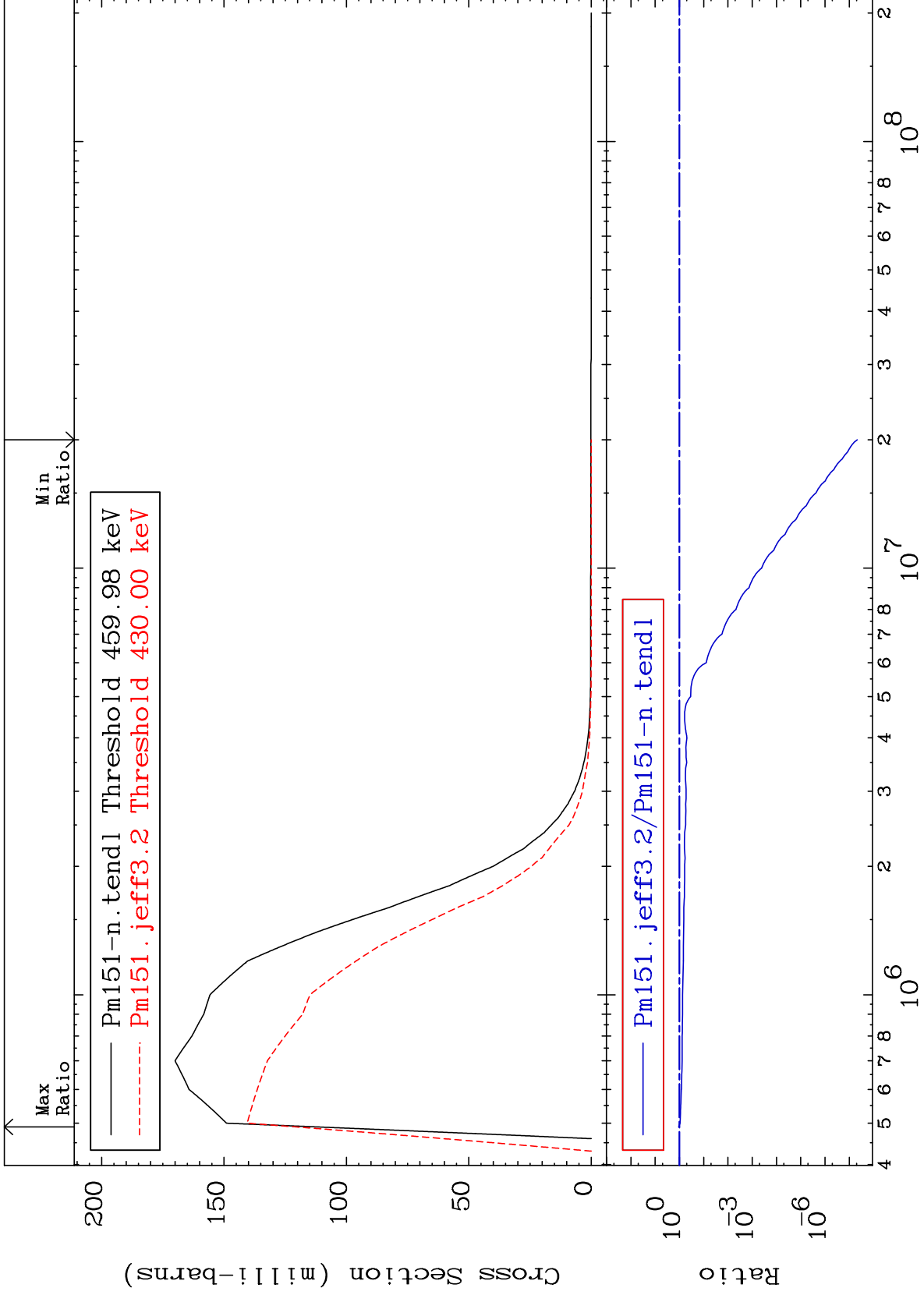
61-Pm-151  
-100.0 To -27.41%



MAT 6161

456.9 keV (n,n') Level  
Cross Section

61-Pm-151  
-100.0 To 7.847 %



20

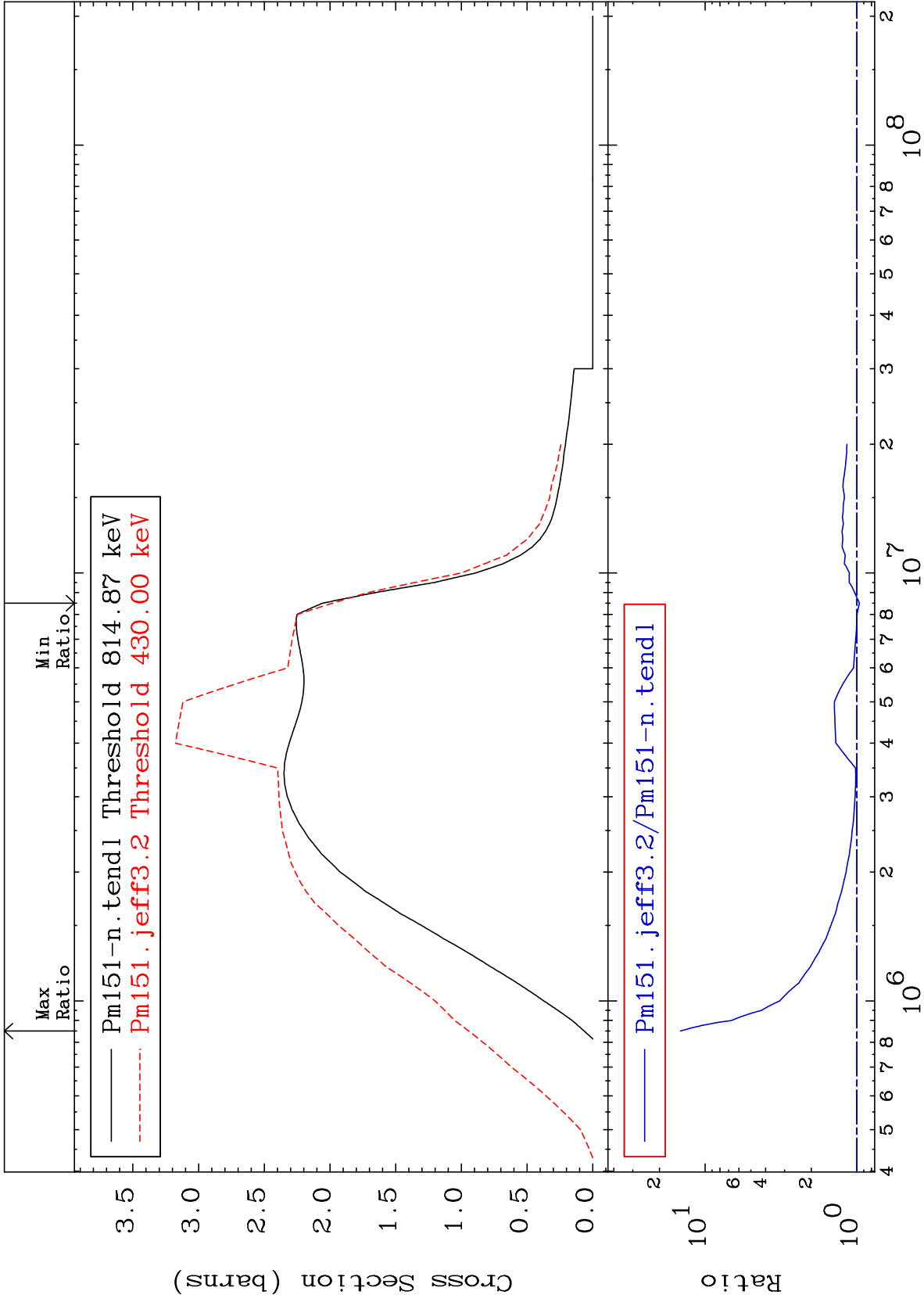
Incident Energy (eV)

61-Pm-151

MAT 6161

(n, n') Continuum  
Cross Section

61-Pm-151  
-3.766 To 1357. %

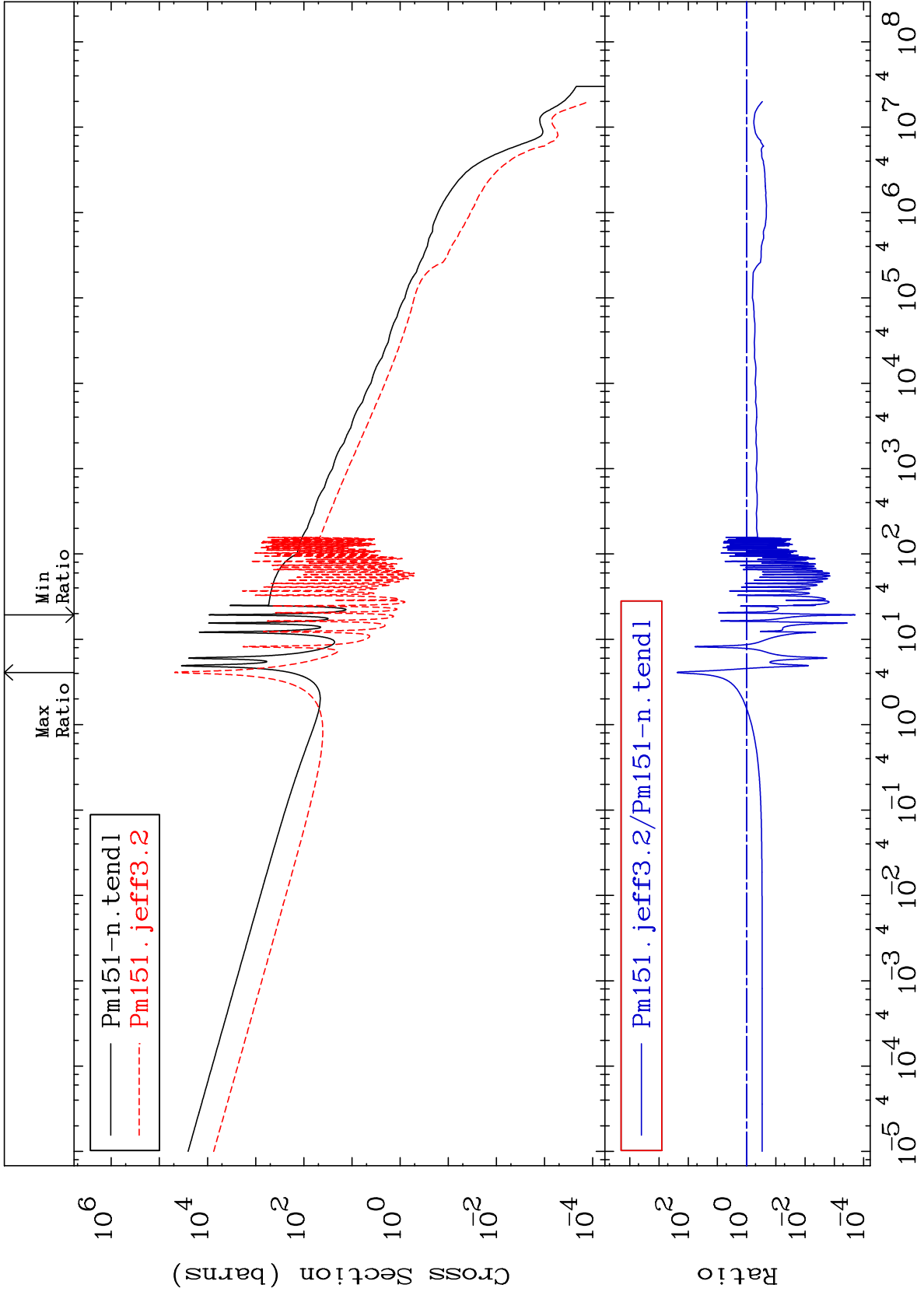


21

61-Pm-151

MAT 6161

(n,  $\gamma$ ) Cross Section  
61-Pm-151  
-99.98 To 9999. %



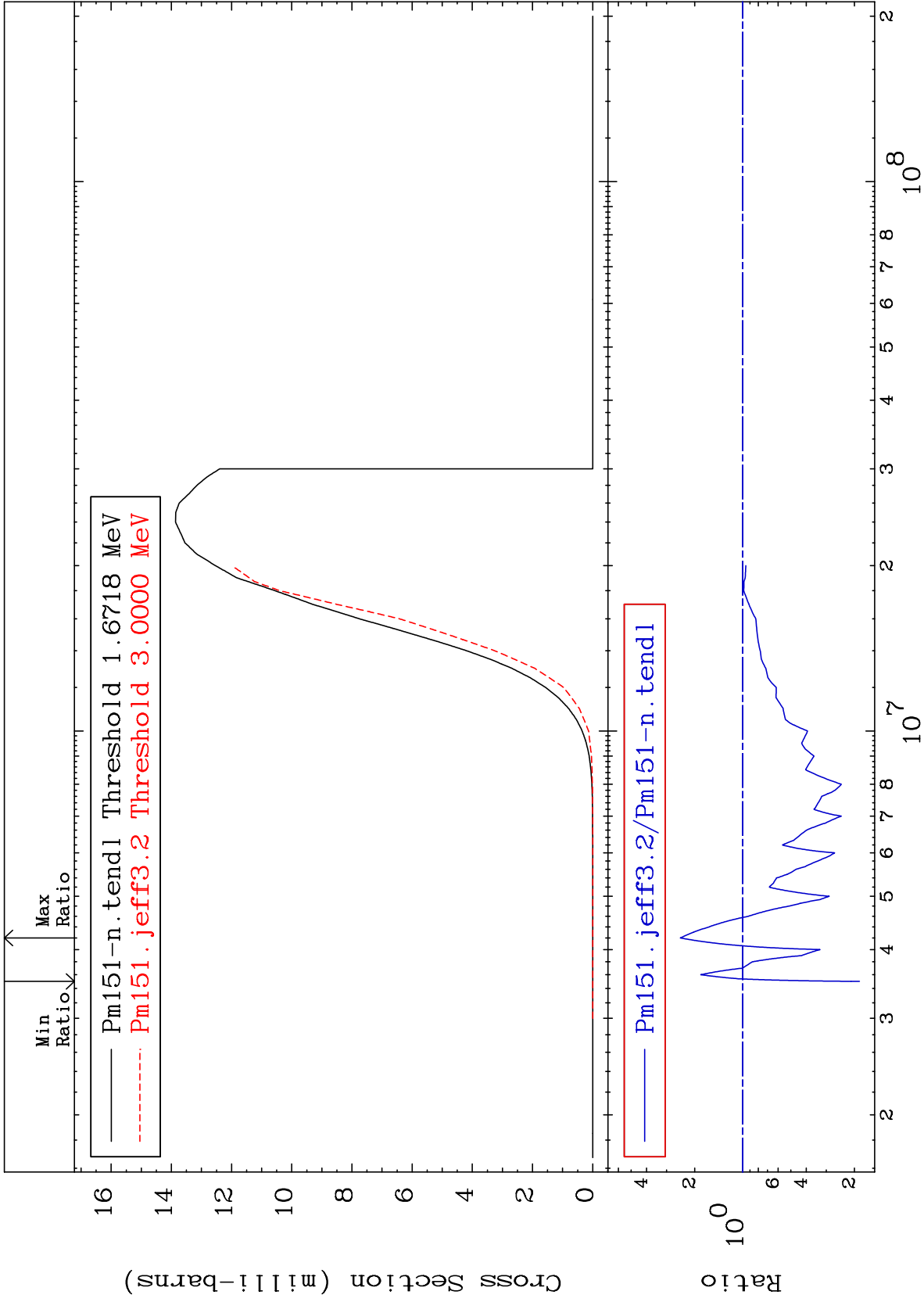
MAT 6161

(n,p)

61-Pm-151

Cross Section

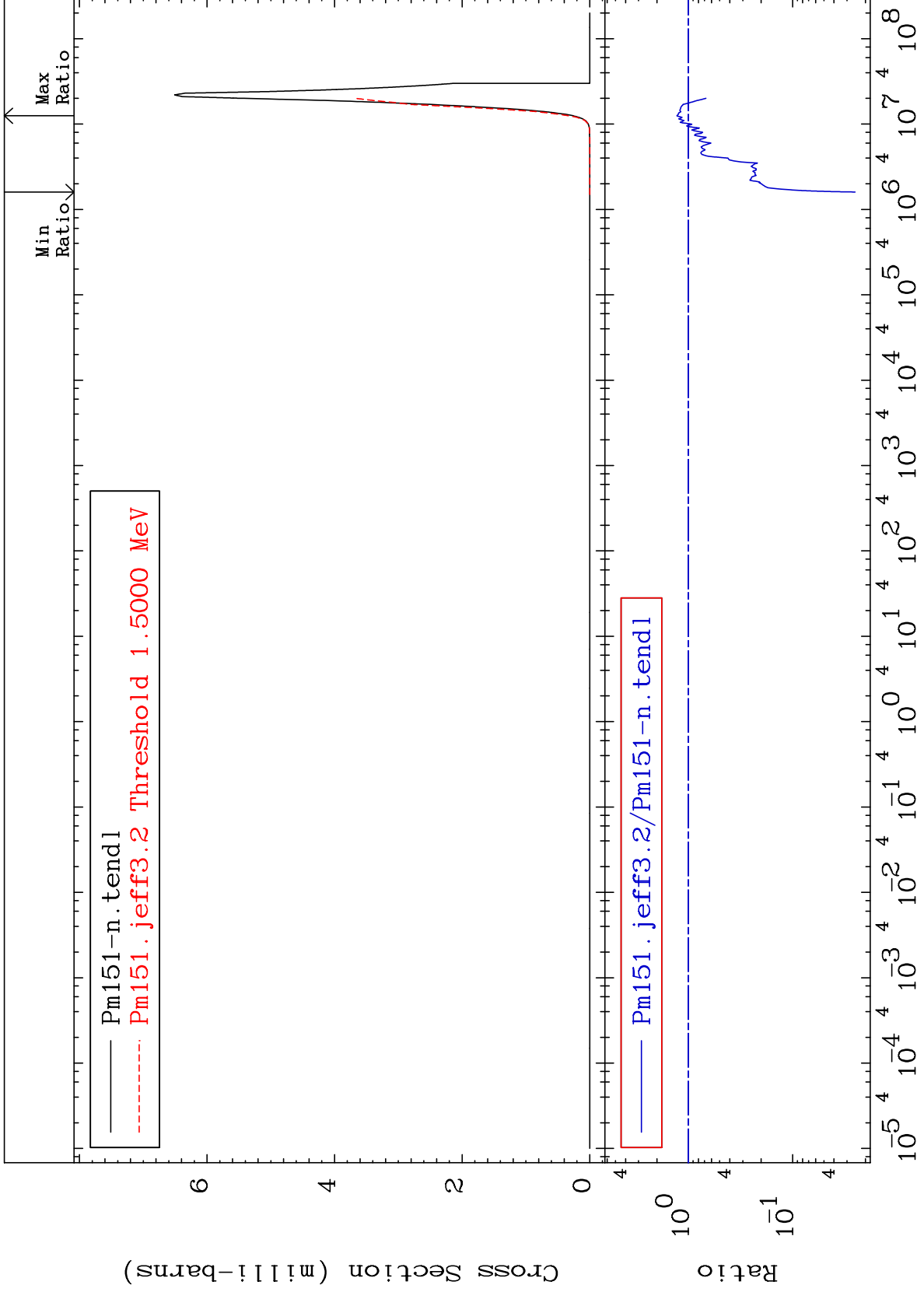
-81.39 To 145.6 %



MAT 6161

(n,  $\alpha$ )  
Cross Section

61-Pm-151  
-97.49 To 28.65 %

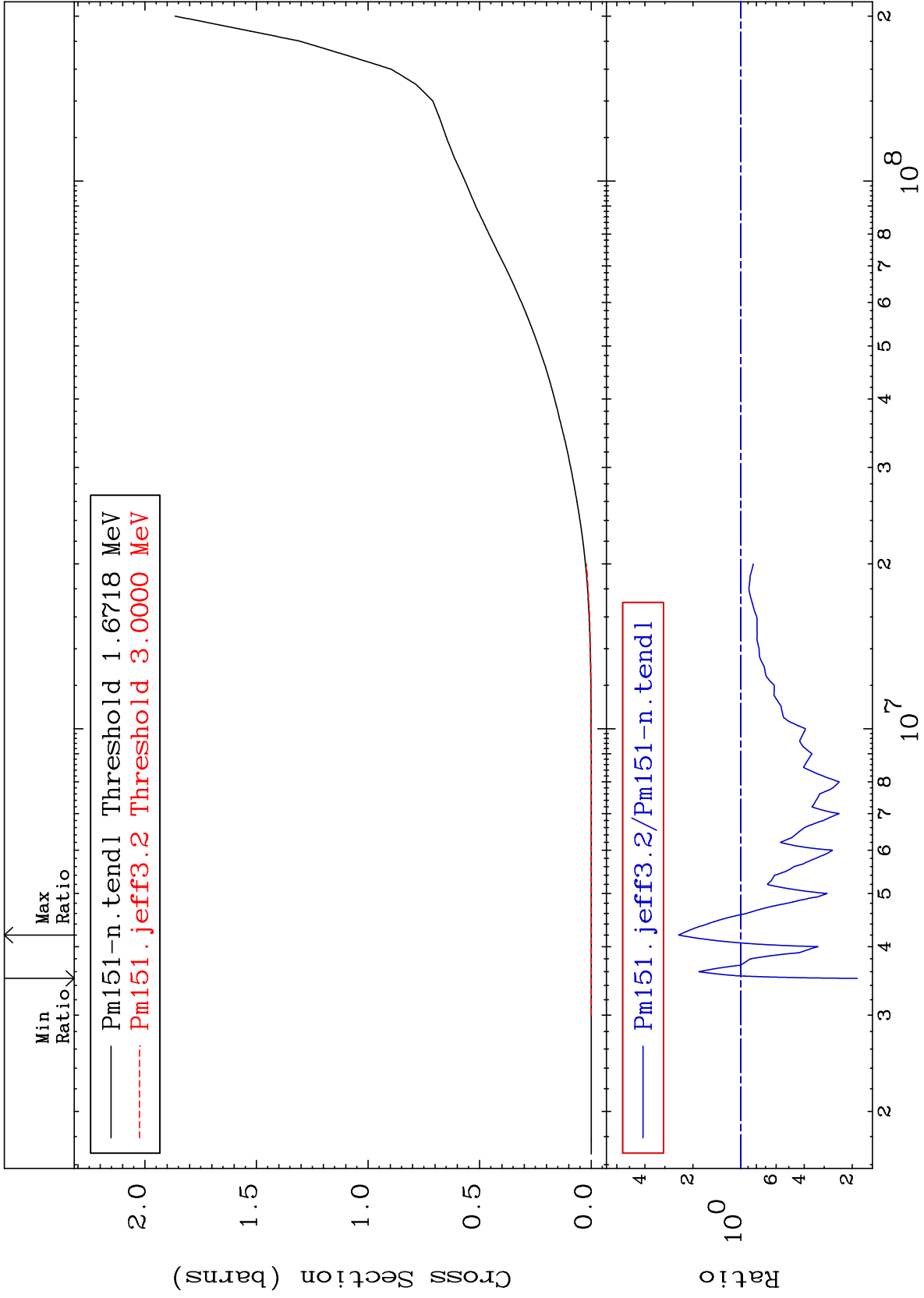




MAT 6161

Hydrogen Production  
Cross Section

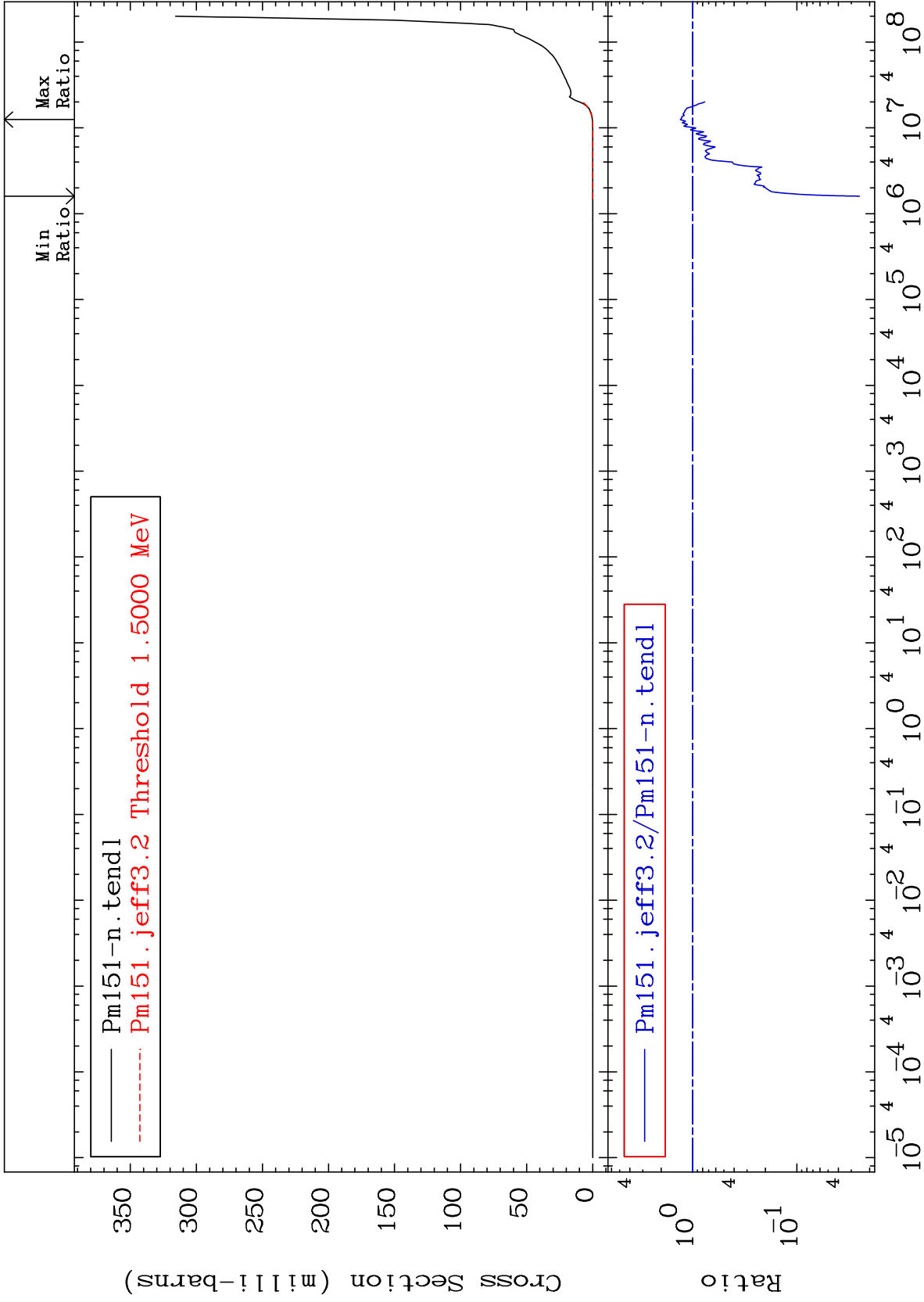
61-Pm-151  
-81.39 To 145.6 %



MAT 6161

He-4 Production  
Cross Section

61-Pm-151  
-97.49 To 31.03 %



26

Incident Energy (eV)

61-Pm-151

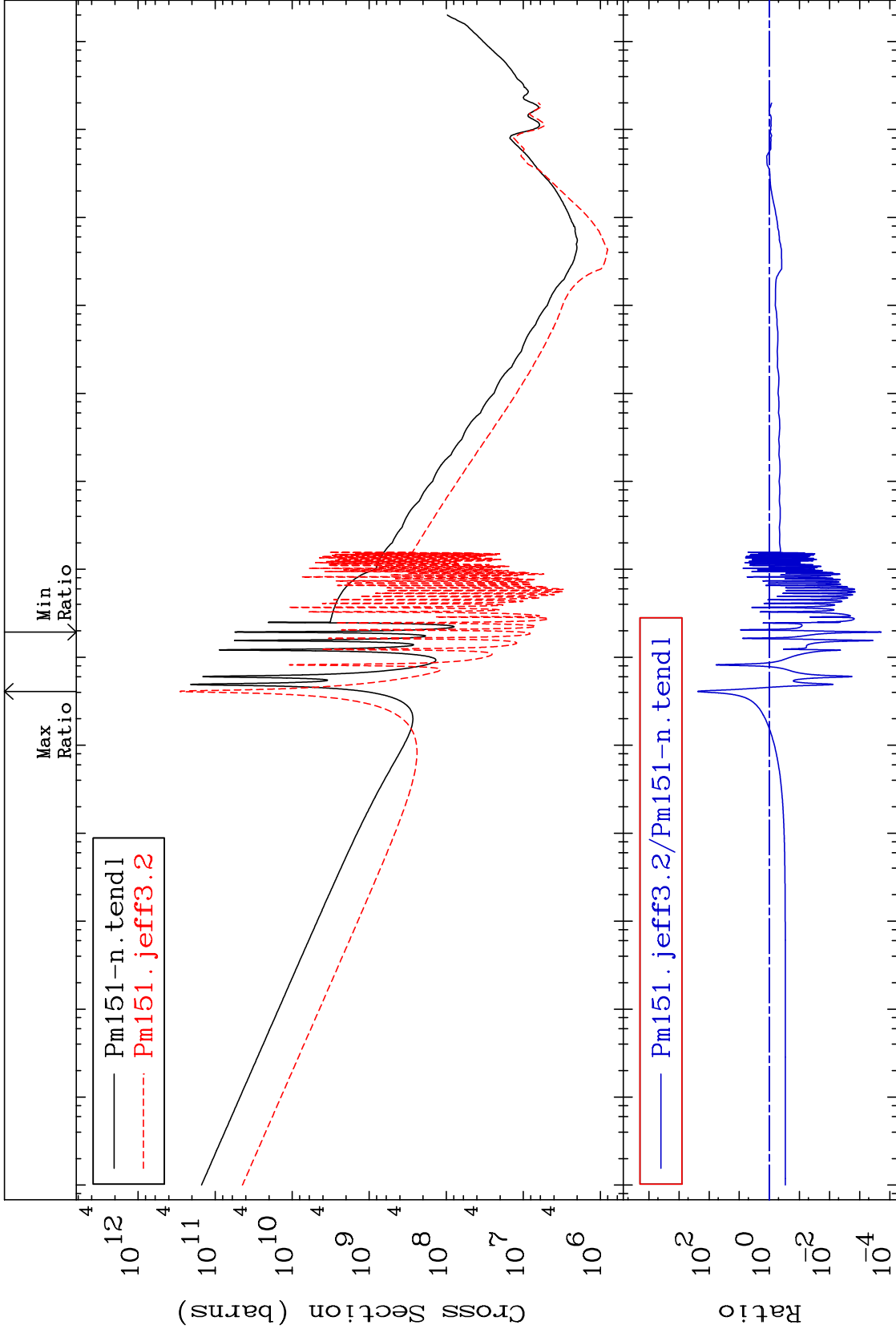
MAT 6161

Kerma total (eV-barns)

61-Pm-151

-99.98 To 9999. %

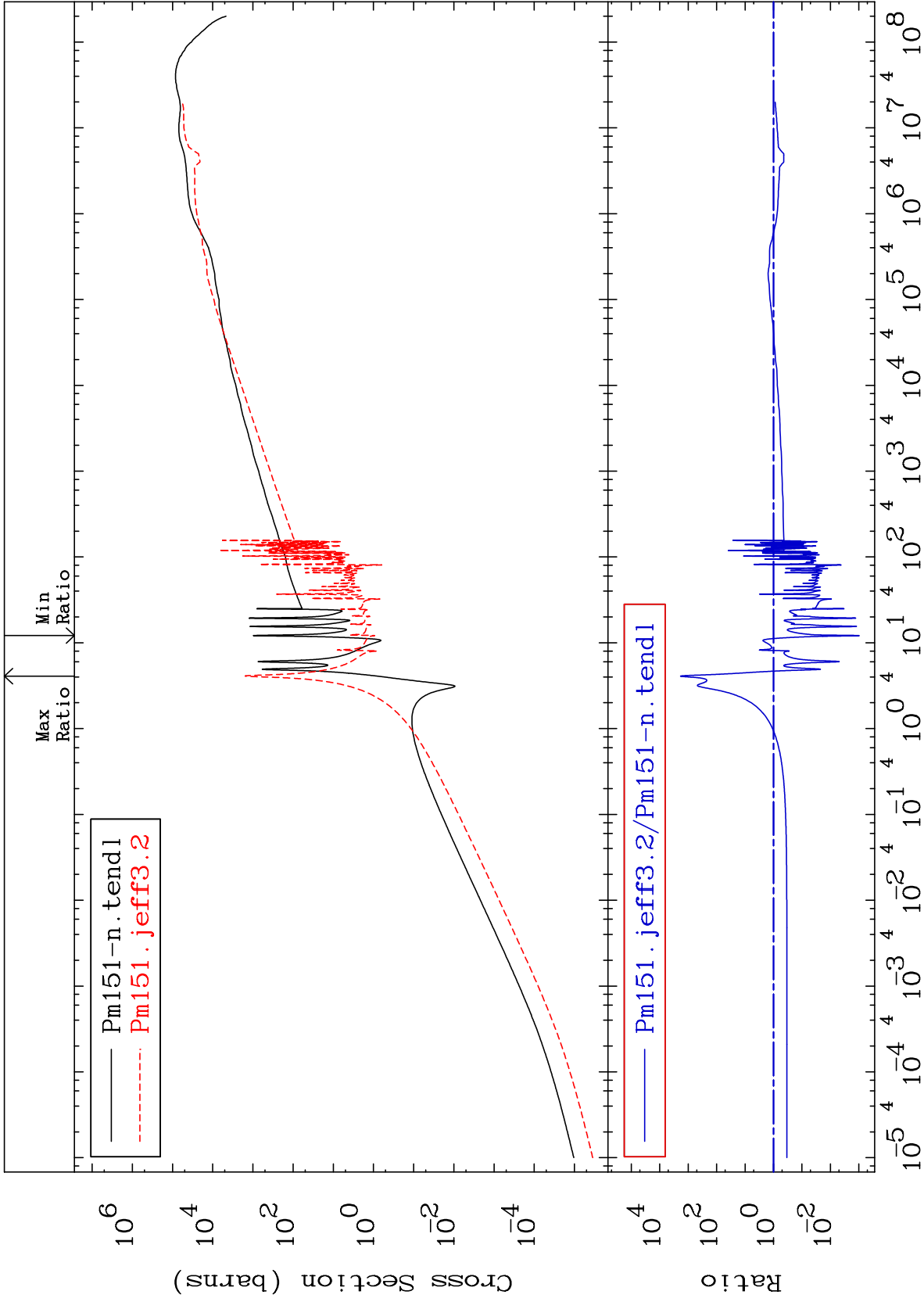
Cross Section

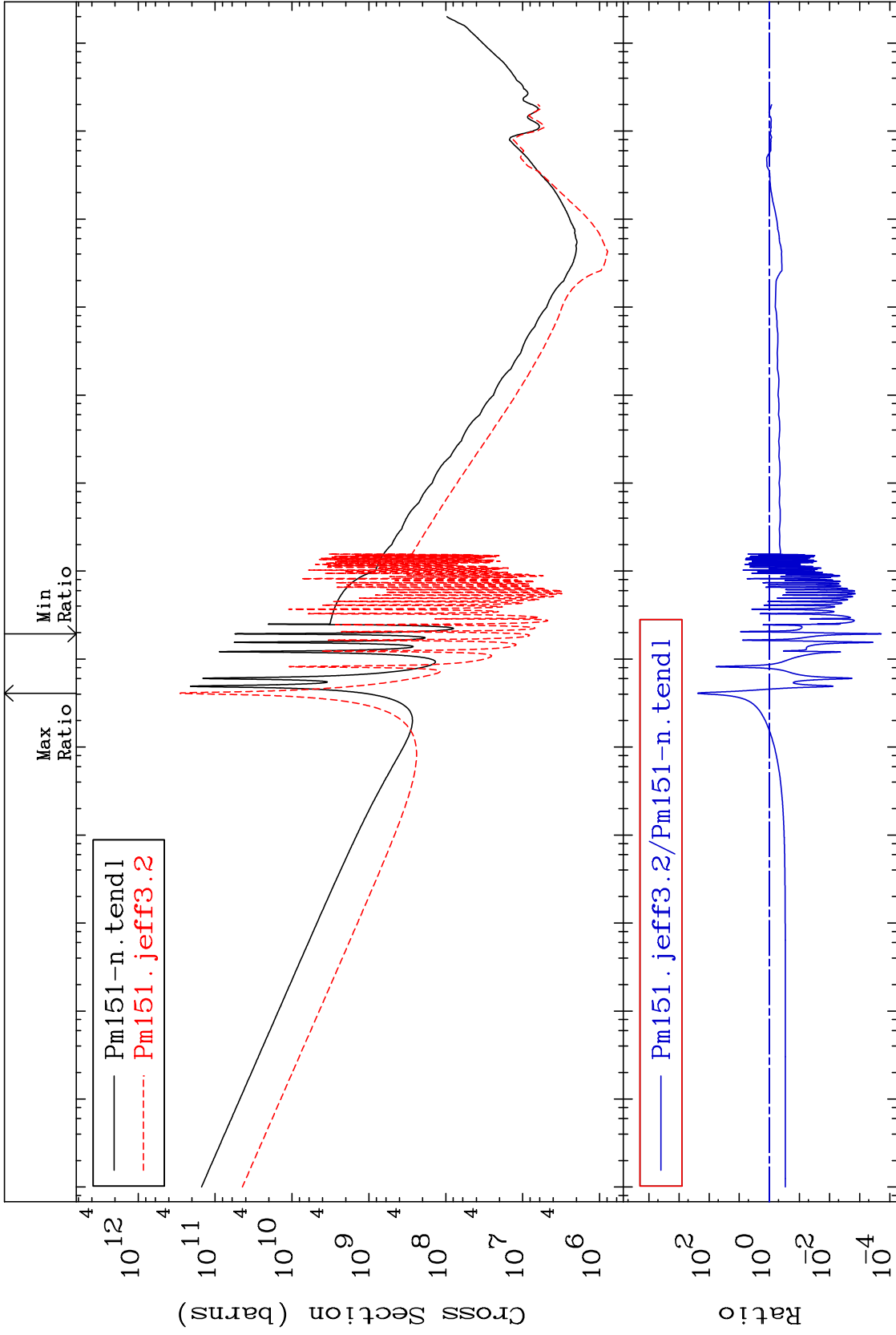


MAT 6161

Kerma elastic  
Cross Section

61-Pm-151  
-99.90 To 9999. %

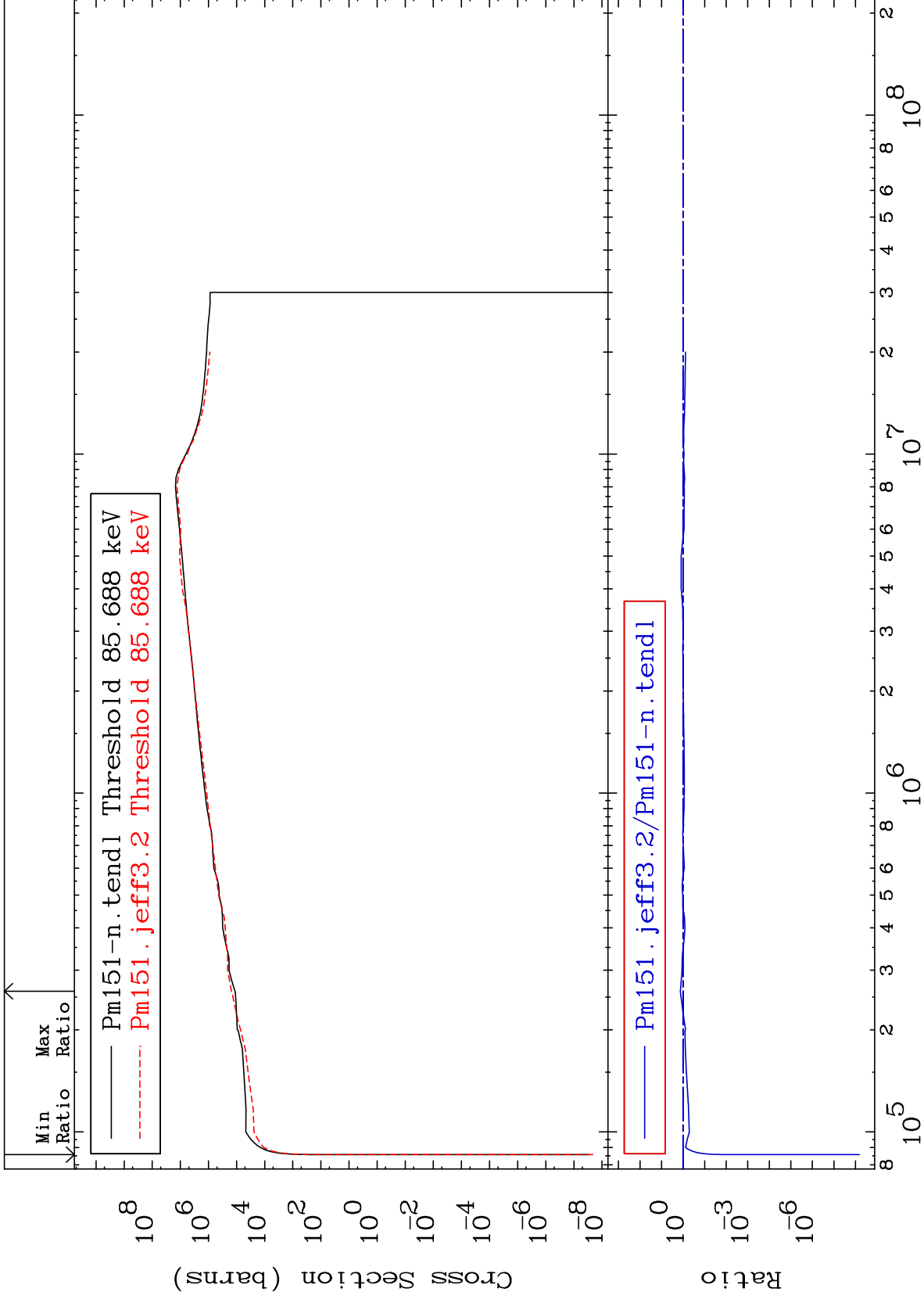




MAT 6161

Kerma inelastic (mt51-91)  
Cross Section

61-Pm-151  
-100.0 To 33.81 %



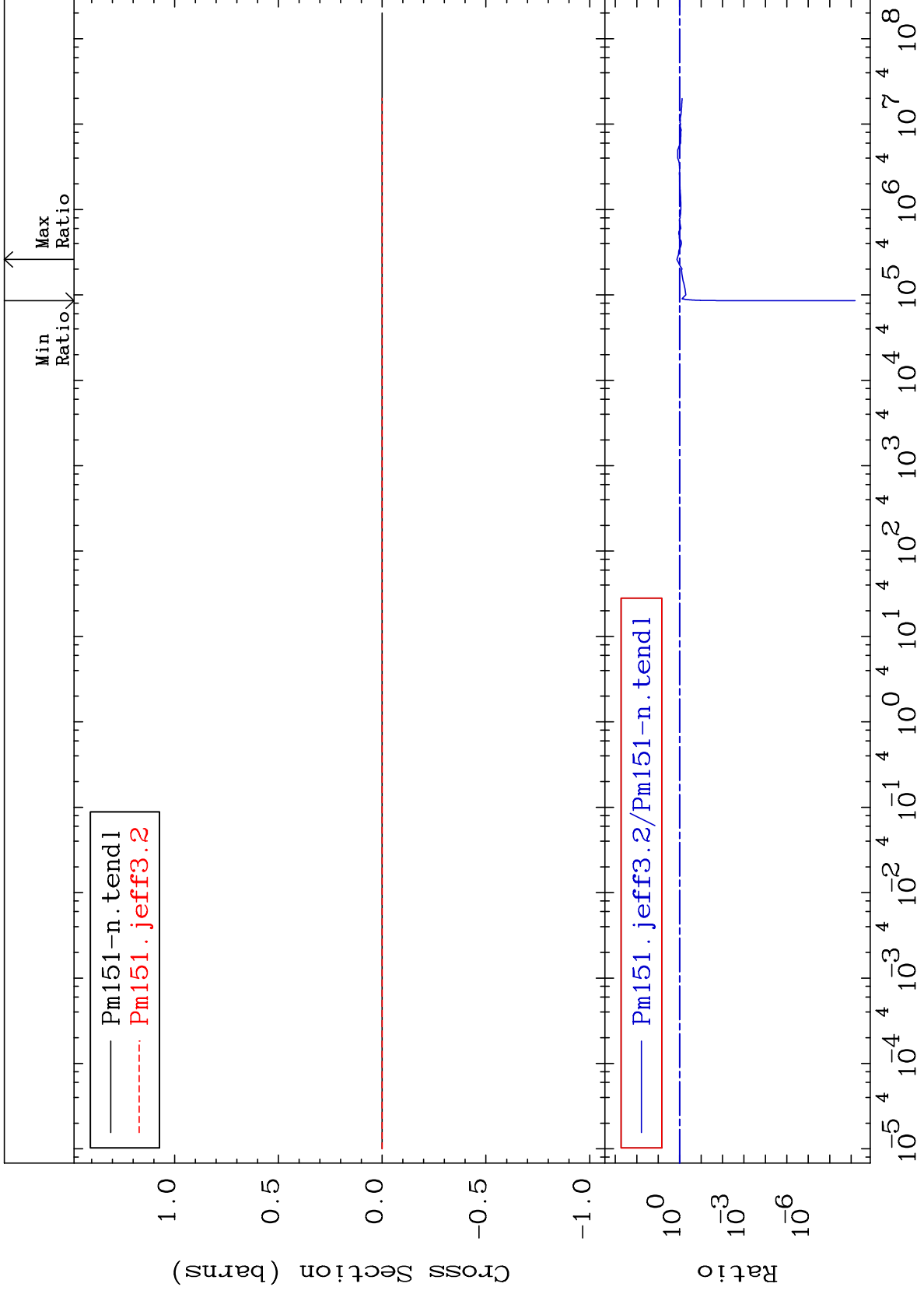
30

61-Pm-151

MAT 6161

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

61-Pm-151  
-100.0 To 33.81 %

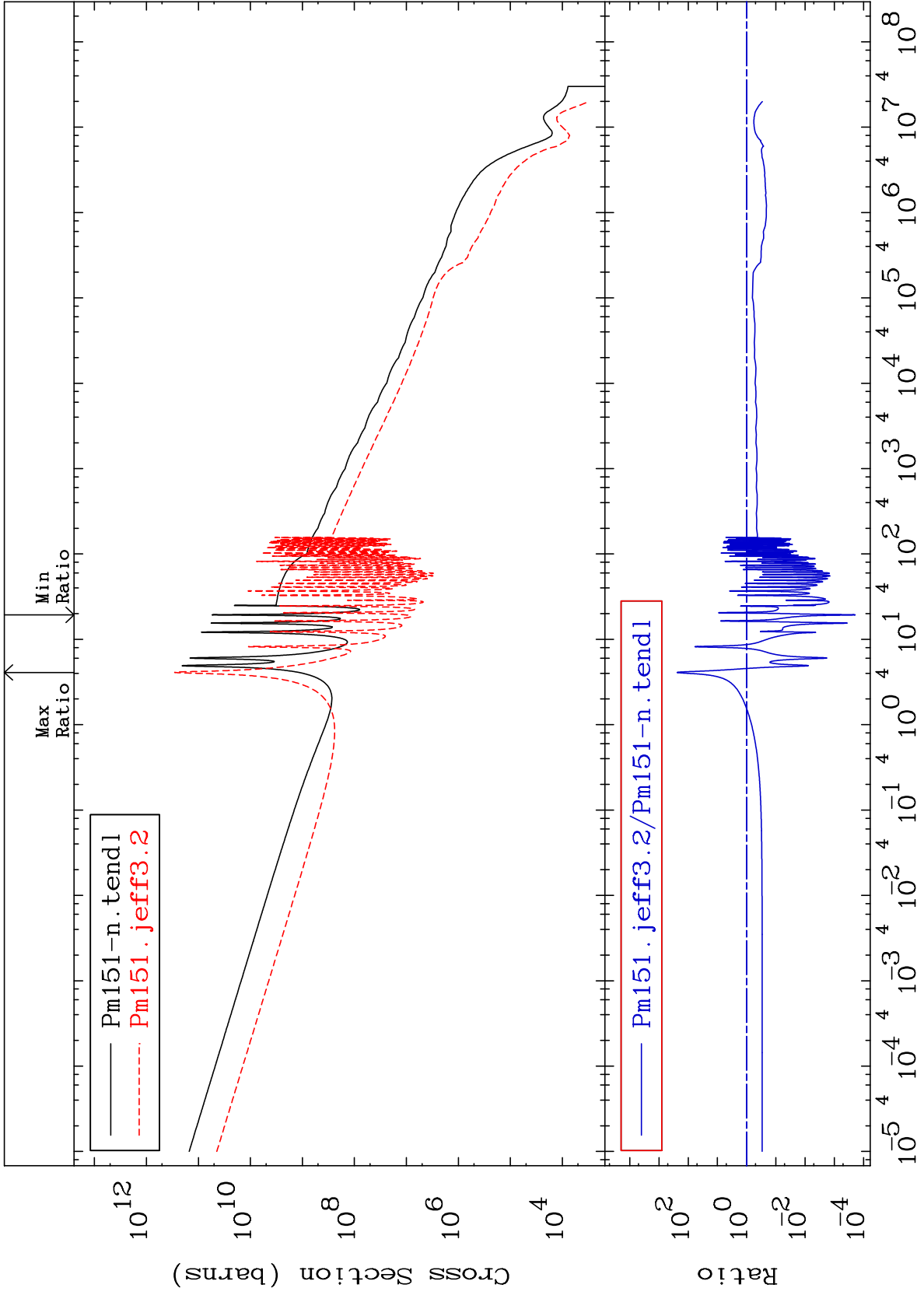


61-Pm-151

MAT 6161

Kerma capture (mt102)  
Cross Section

61-Pm-151  
-99.98 To 9999. %



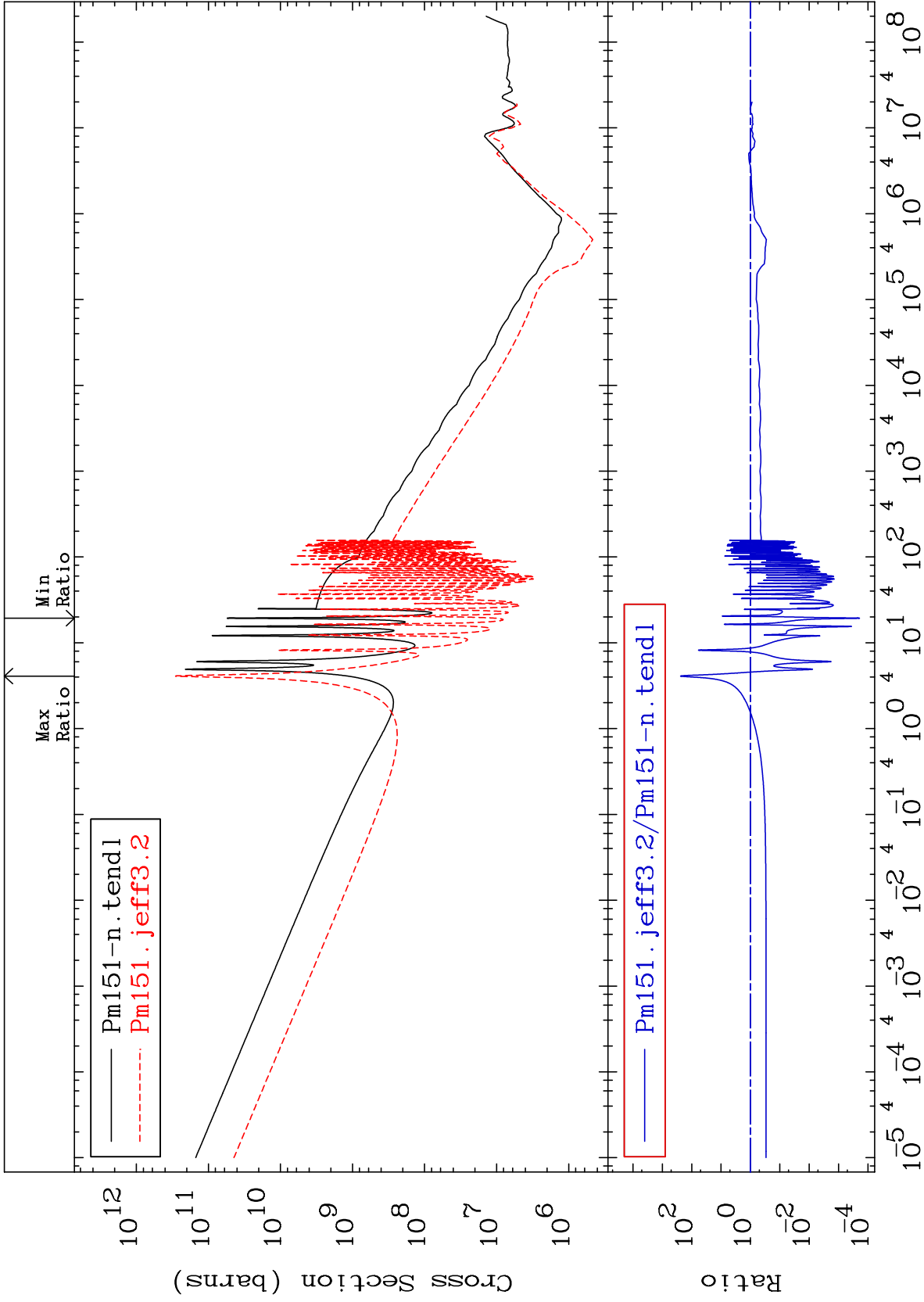


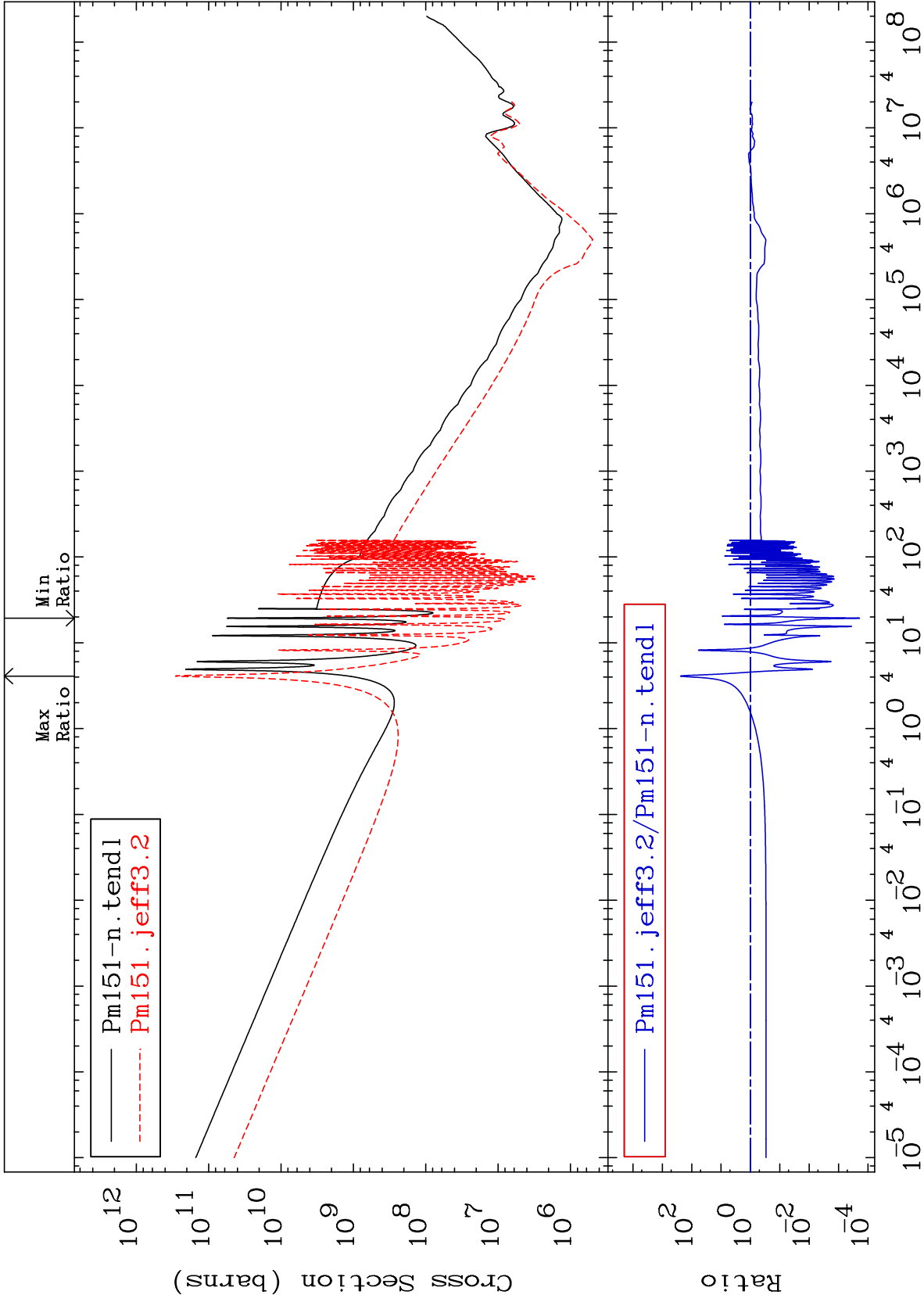
MAT 6161

Total photon (eV-barns)

61-Pm-151

-99.98 To 9999. %





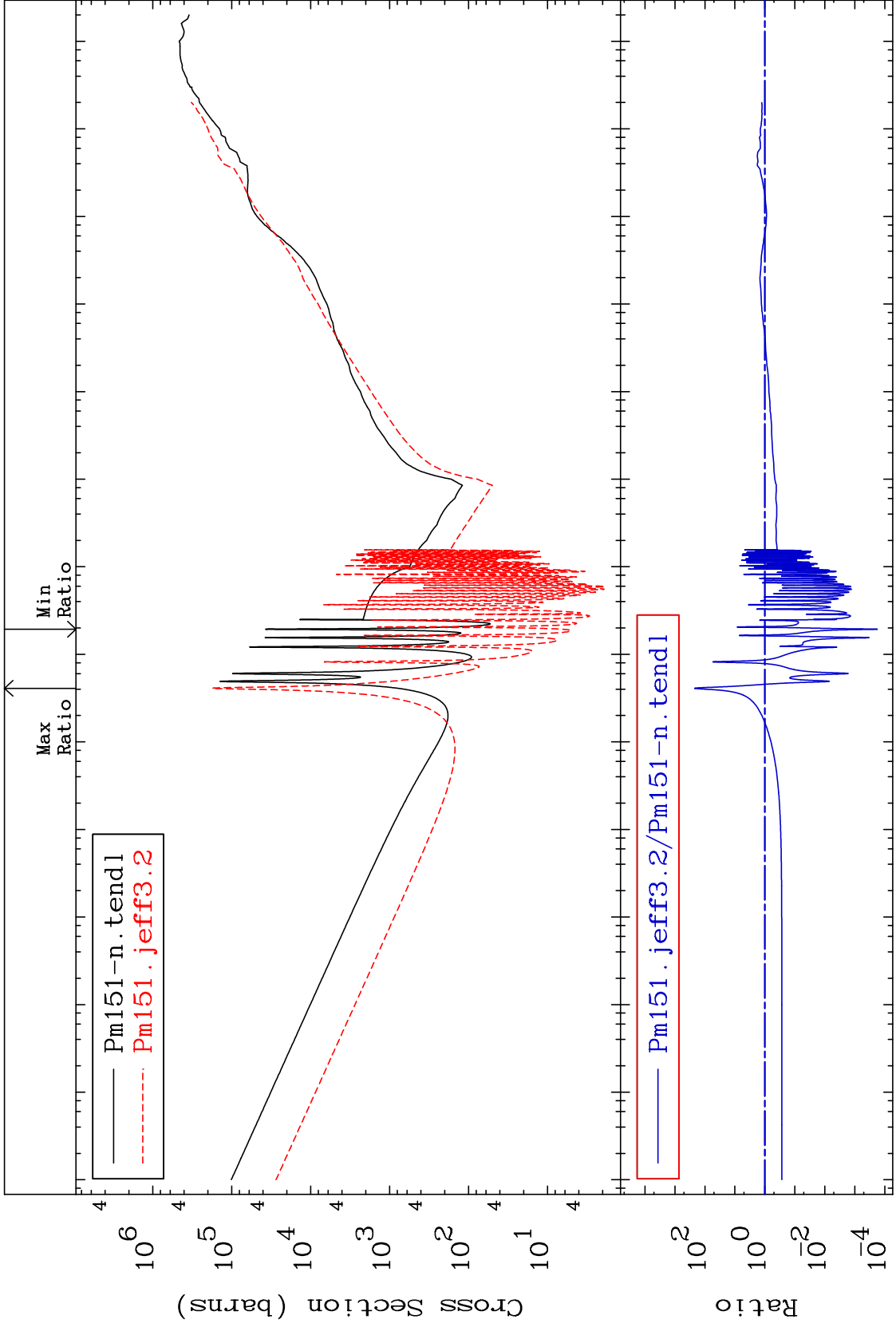
MAT 6161

Dpa total (eV-barns)

61-Pm-151

-99.98 To 9999. %

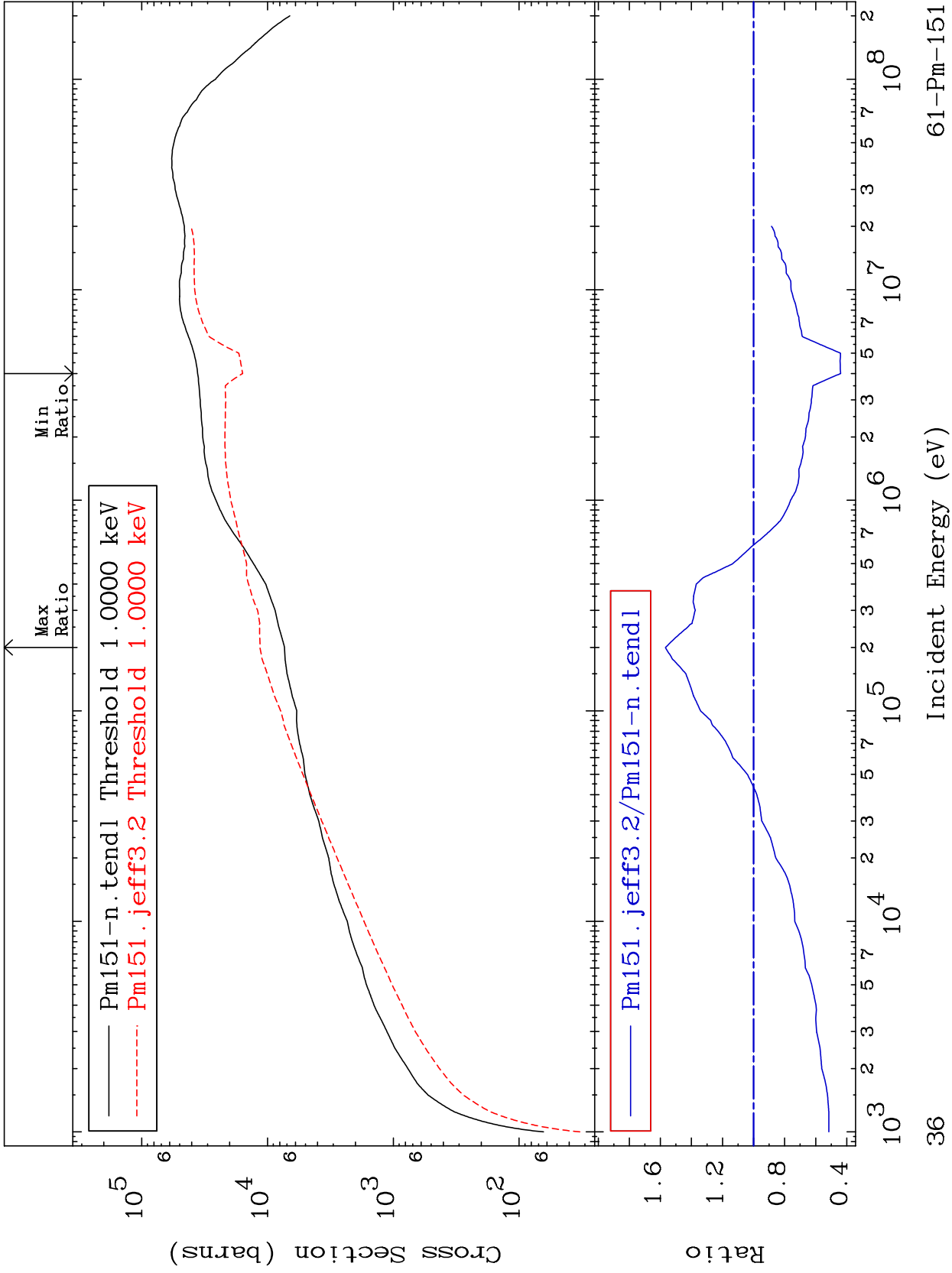
Cross Section



MAT 6161

Dpa elastic (mt2)  
Cross Section

61-Pm-151  
-56.08 To 56.71 %



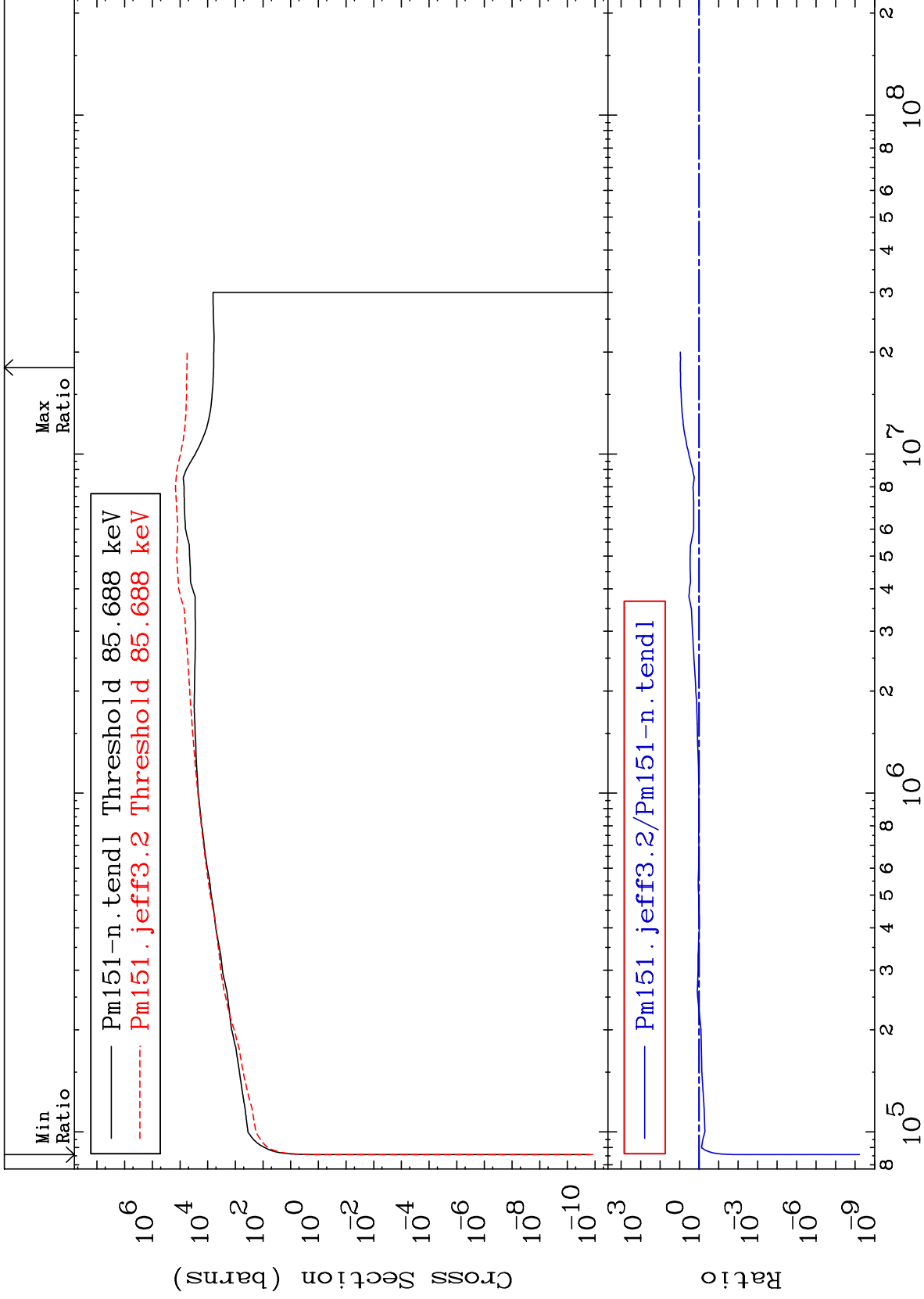
Incident Energy (eV)

61-Pm-151

MAT 6161

Dpa inelastic (mt51-91)  
Cross Section

61-Pm-151  
-100.0 To 821.6 %



MAT 6161

Dpa disappearance (mt102 -120)  
Cross Section

61-Pm-151  
-99.98 To 9999. %

