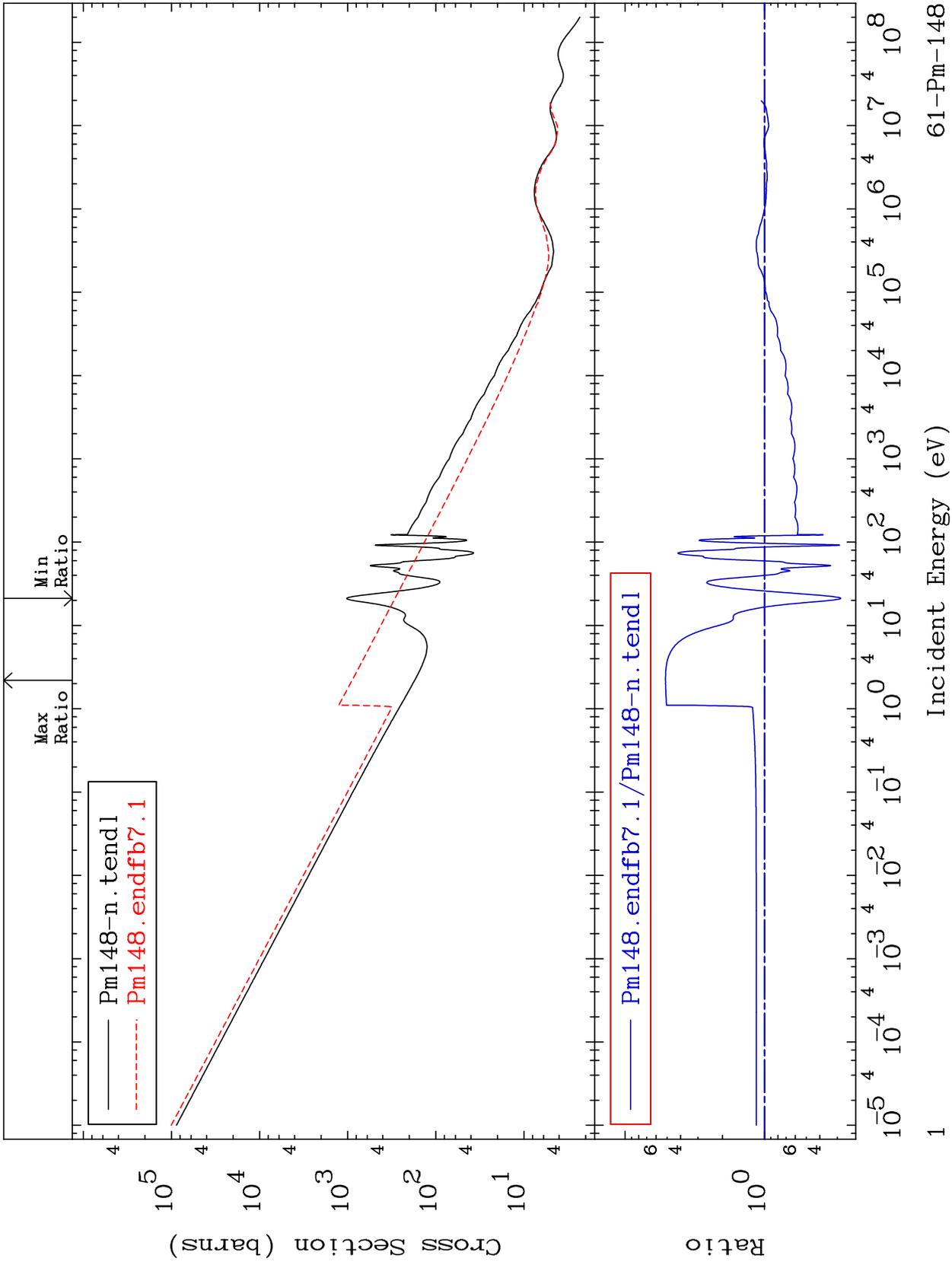


MAT 6152

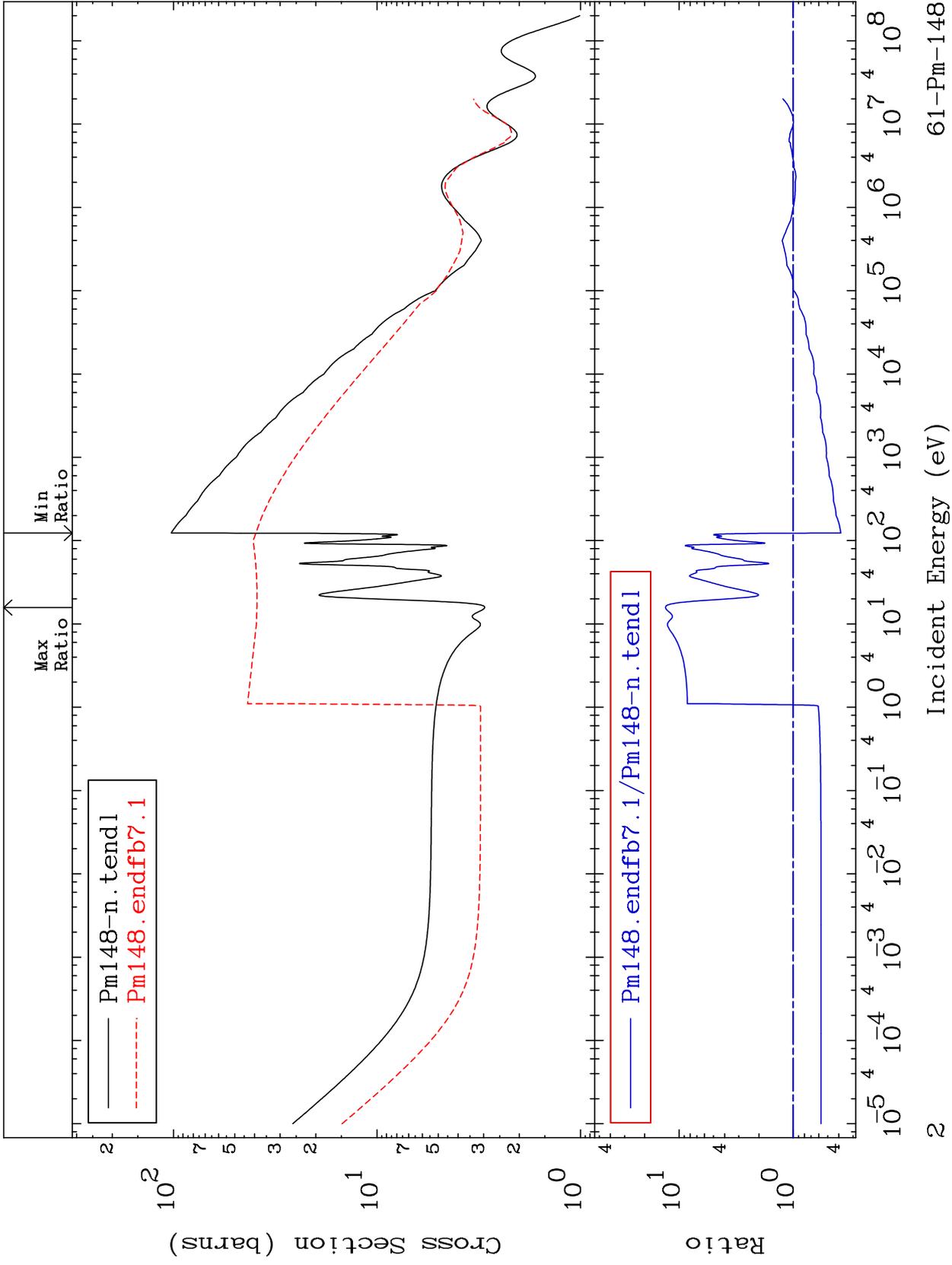
Total Cross Section  
61-Pm-148  
-71.70 To 413.0 %



61-Pm-148

MAT 6152

Elastic Cross Section  
61-Pm-148  
-61.61 To 1216. %

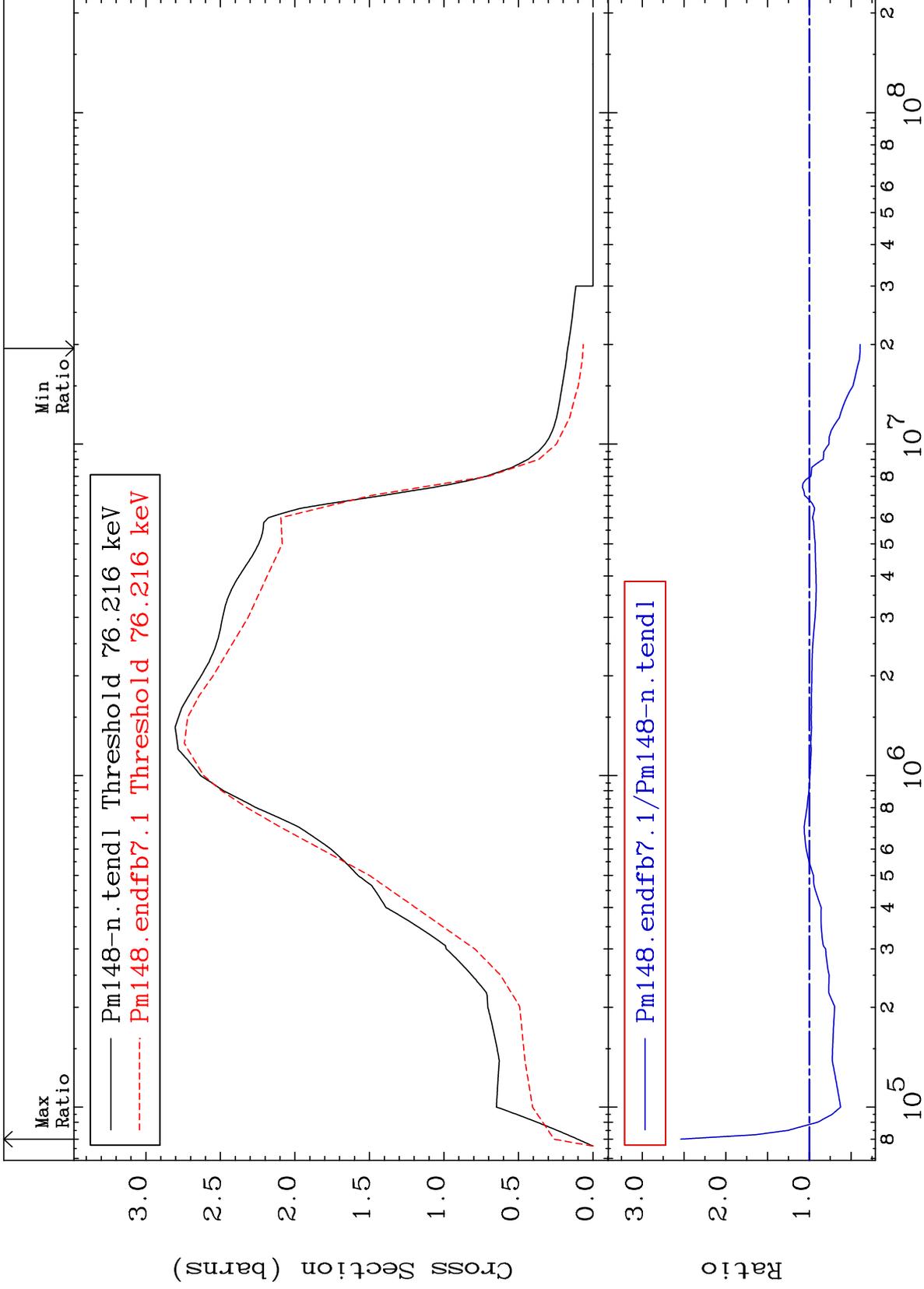


61-Pm-148

MAT 6152

Inelastic  
Cross Section

61-Pm-148  
-60.73 To 153.9 %



3

Incident Energy (eV)

61-Pm-148

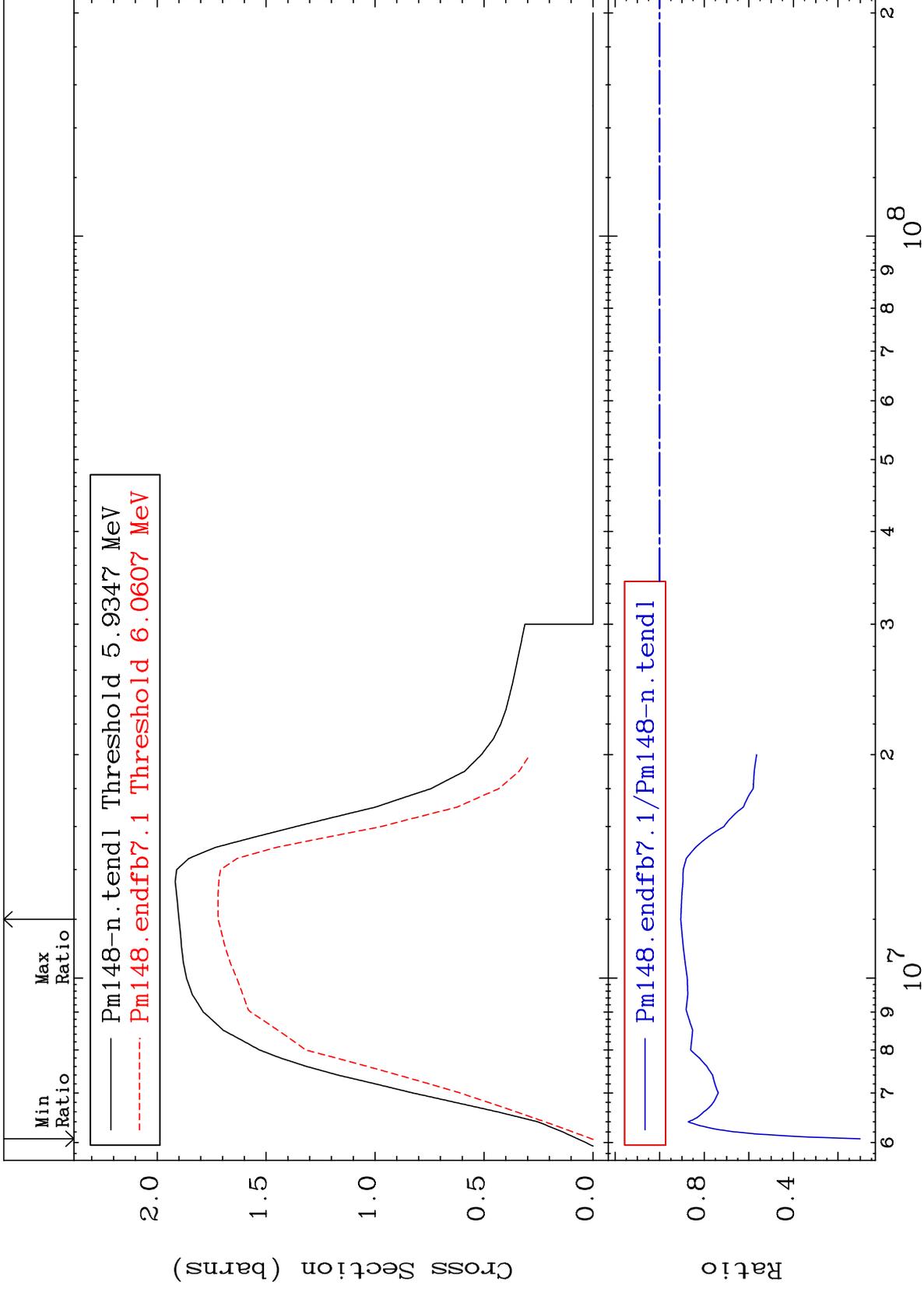
MAT 6152

(n,2n)

61-Pm-148

Cross Section

-89.89 To -9.458%



4

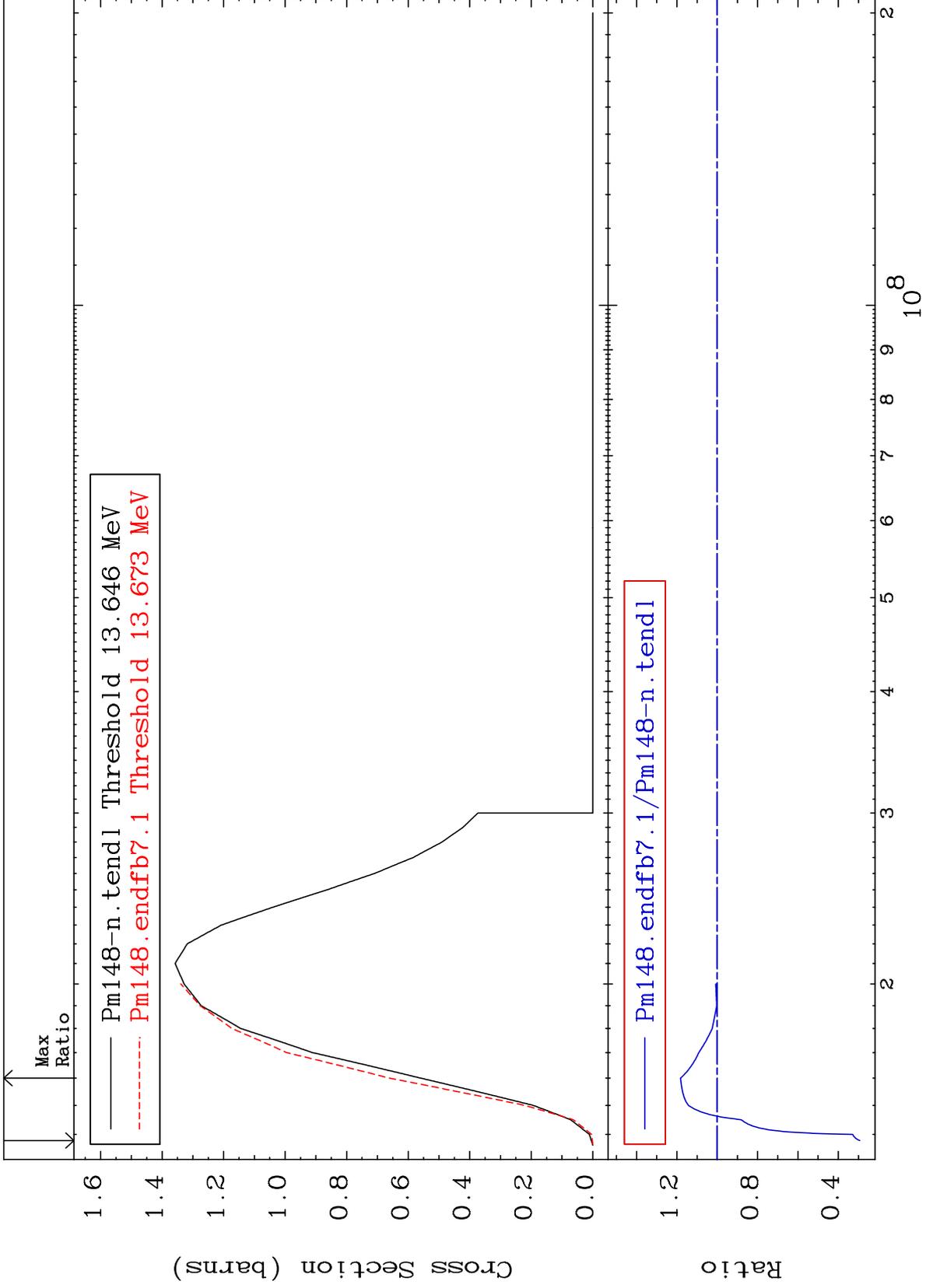
Incident Energy (eV)

61-Pm-148

MAT 6152

(n,3n)  
Cross Section

61-Pm-148  
-70.67 To 18.21 %



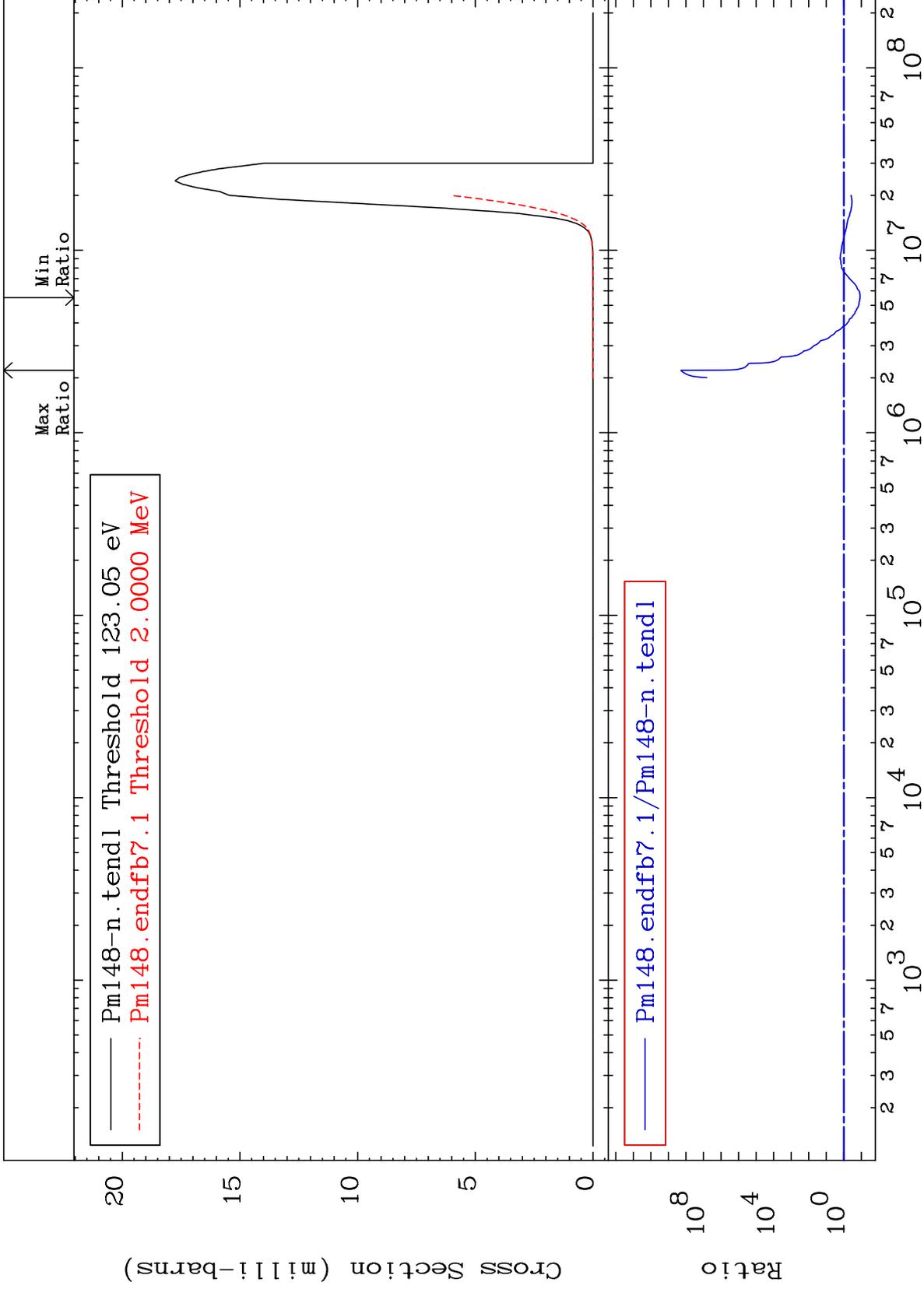
MAT 6152

$(n, n') \alpha$

61-Pm-148

Cross Section

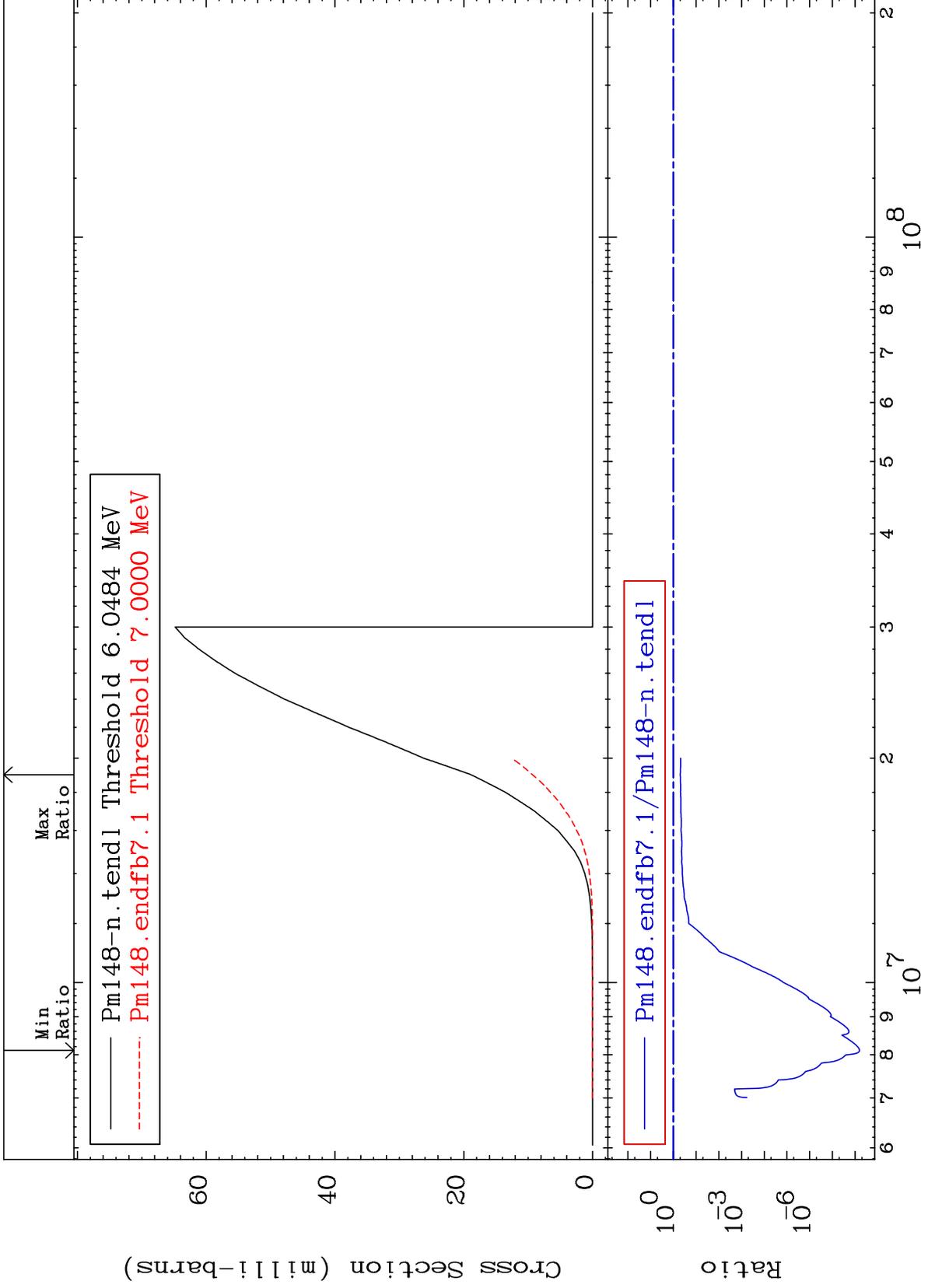
-88.13 To 9999. %



MAT 6152

(n,n') p  
Cross Section

61-Pm-148  
-100.0 To -50.44%



7

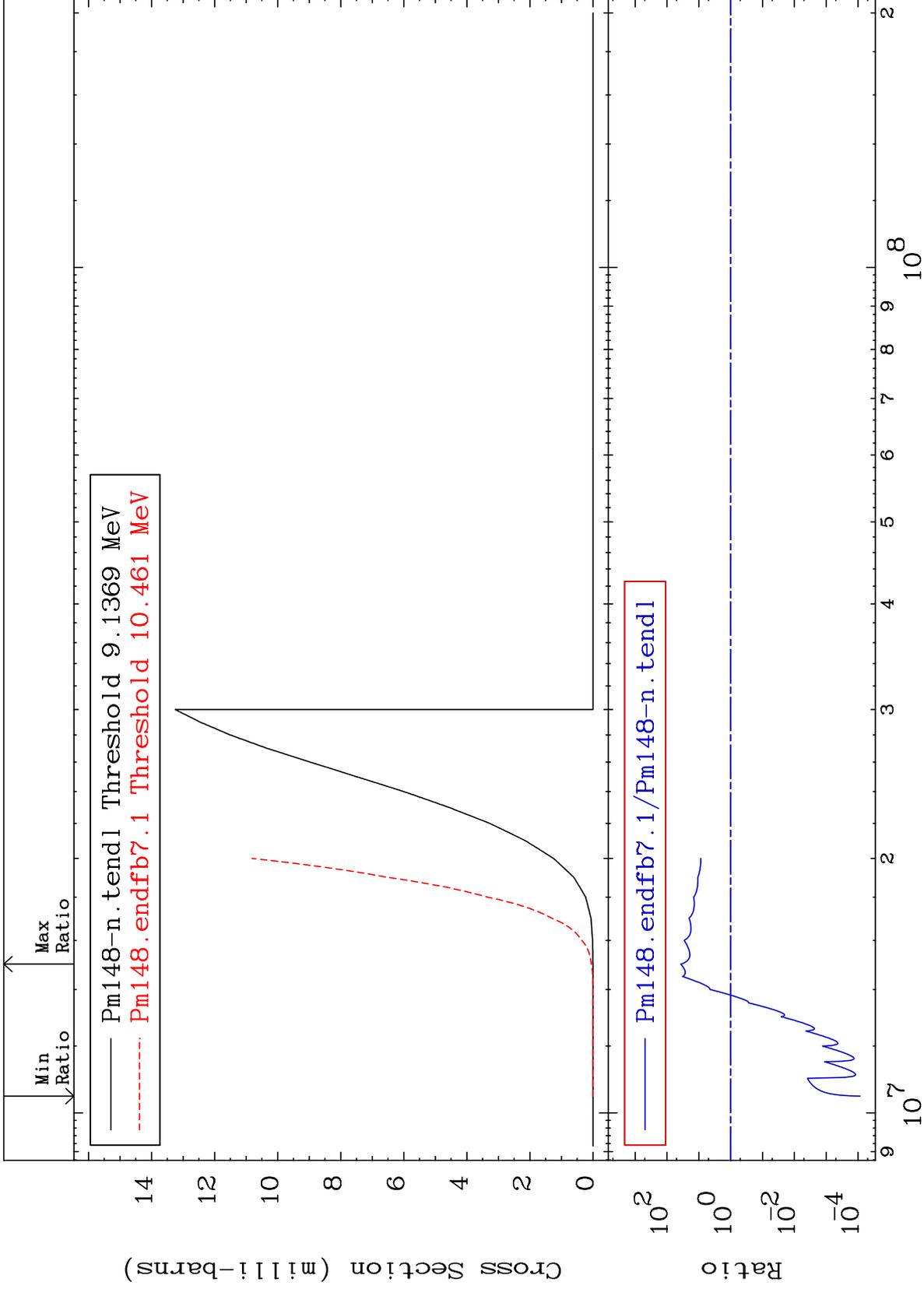
Incident Energy (eV)

61-Pm-148

MAT 6152

(n,n') d  
Cross Section

61-Pm-148  
-99.99 To 3593. %



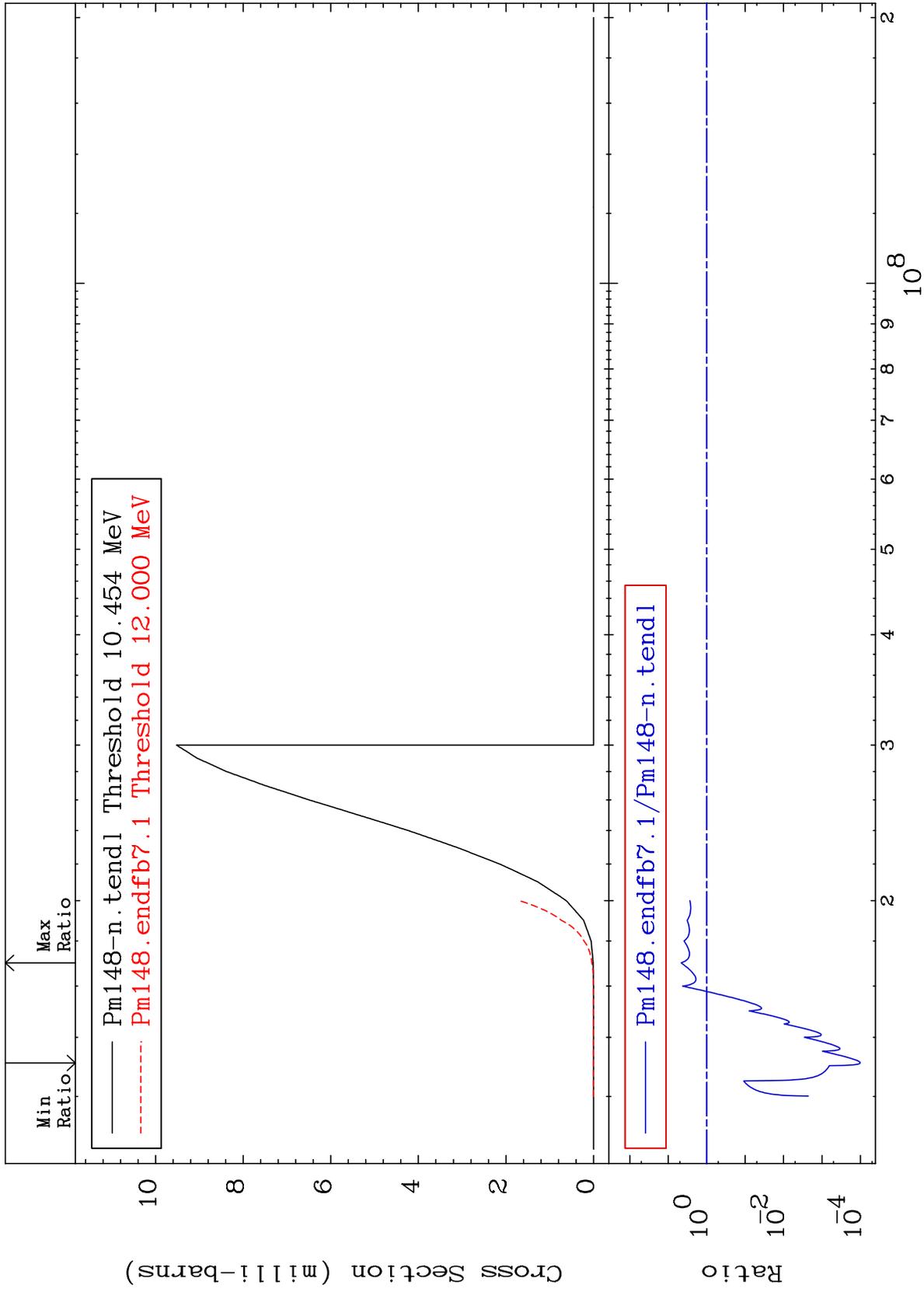
8

Incident Energy (eV)

61-Pm-148

Cross Section

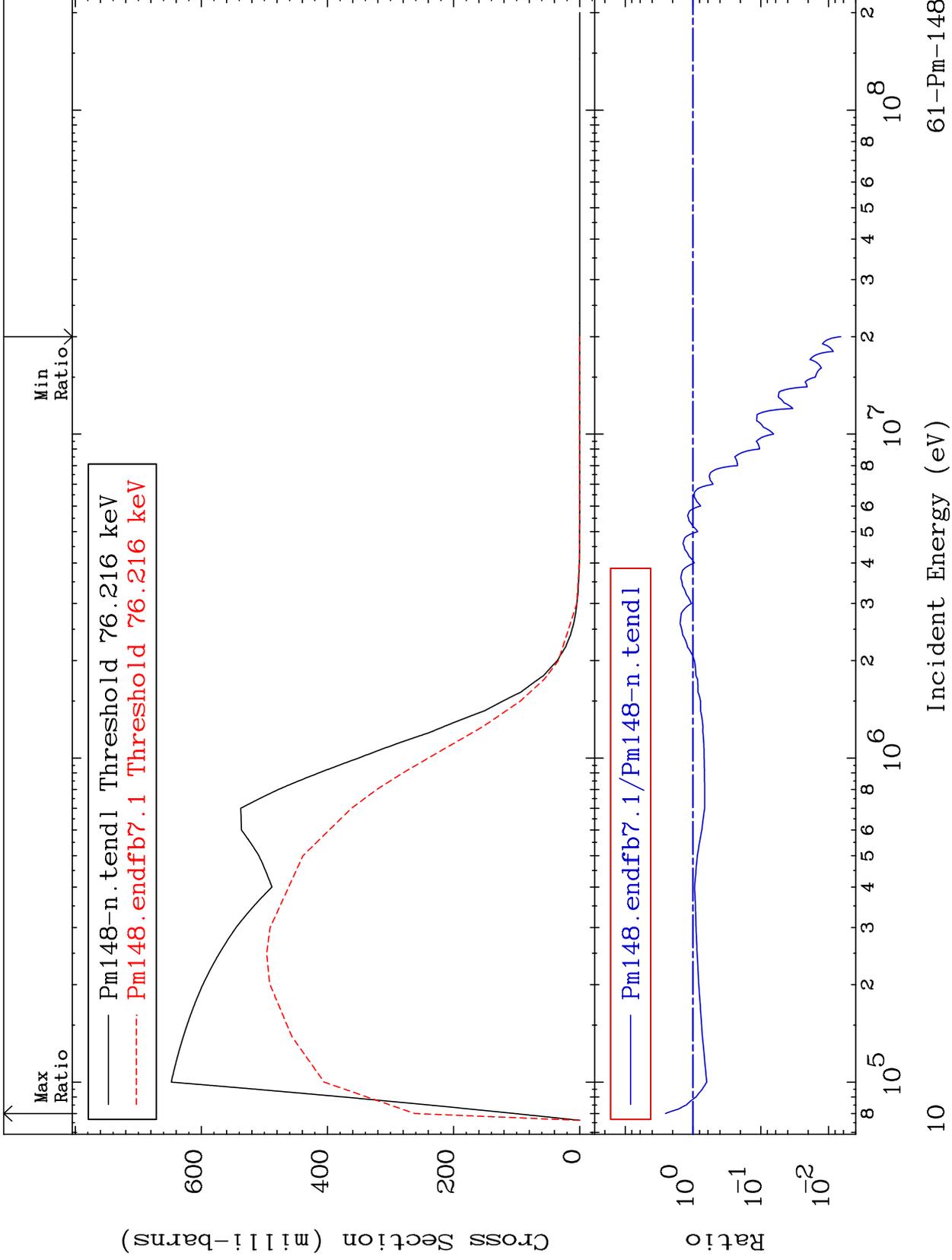
-99.99 To 361.0 %



MAT 6152

75.70 keV (n,n') Level  
Cross Section

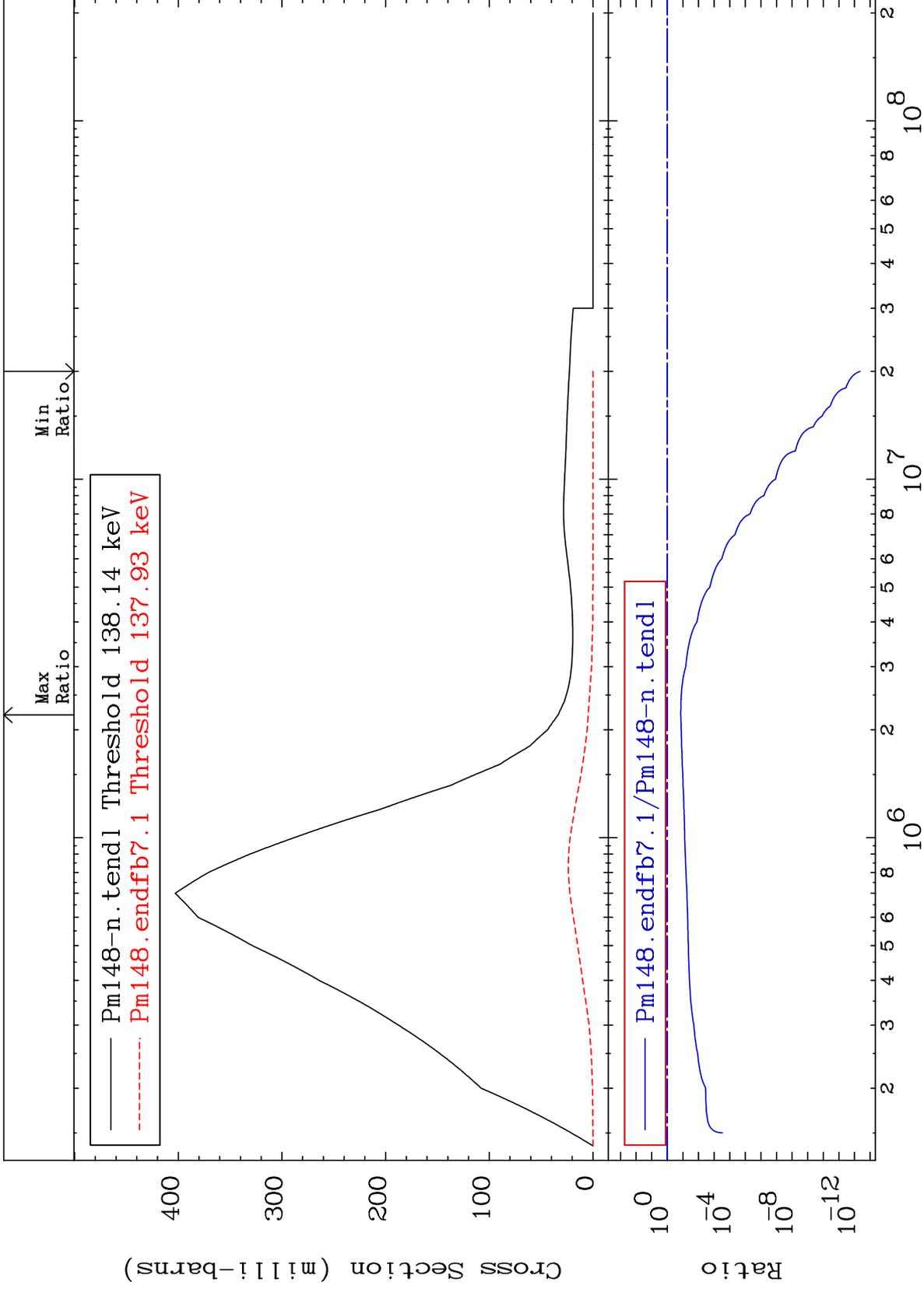
61-Pm-148  
-99.34 To 153.9 %



MAT 6152

137.2 keV (n,n') Level  
Cross Section

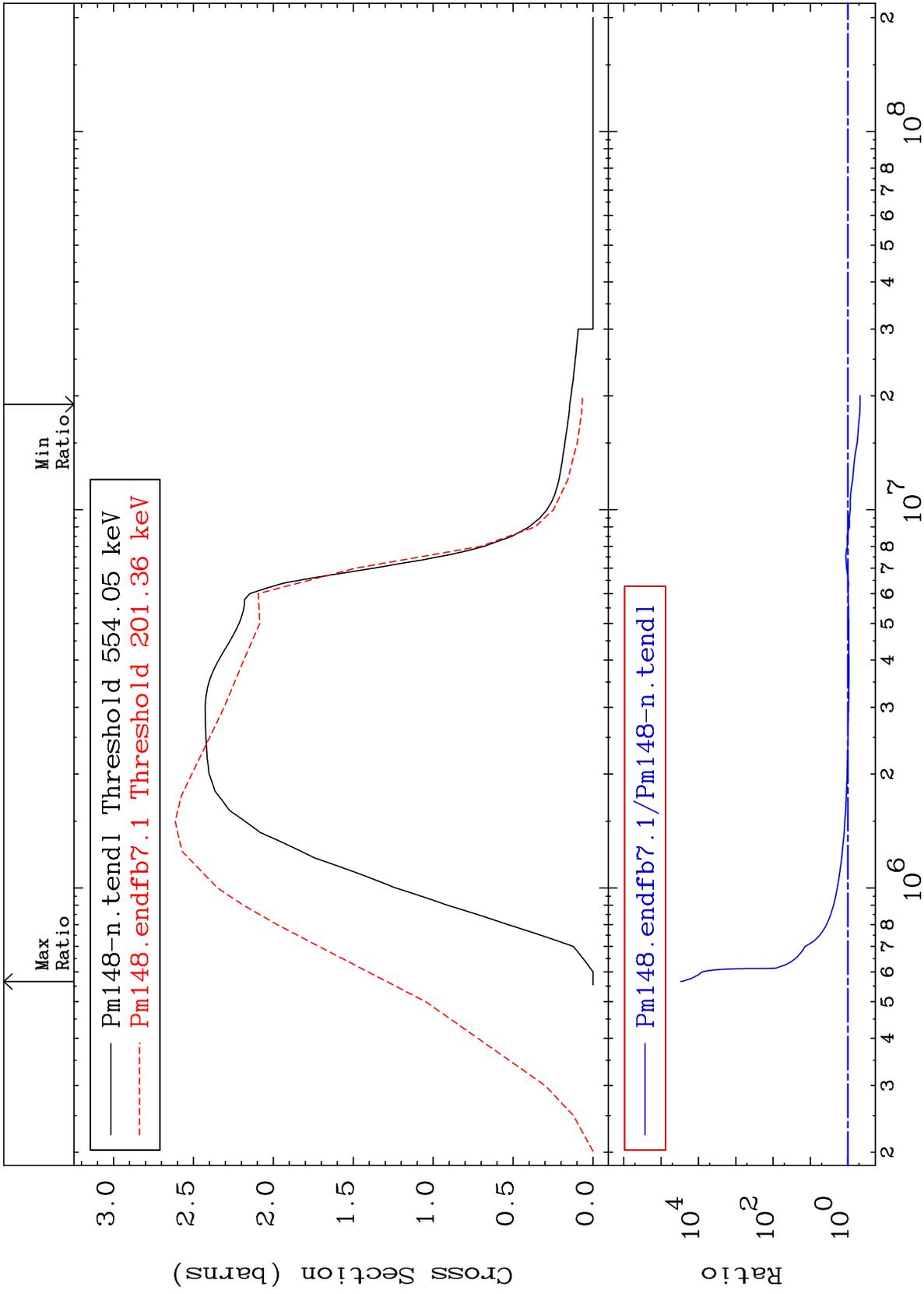
61-Pm-148  
-100.0 To -86.25%



MAT 6152

(n, n') Continuum  
Cross Section

61-Pm-148  
-53.11 To 9999. %



12

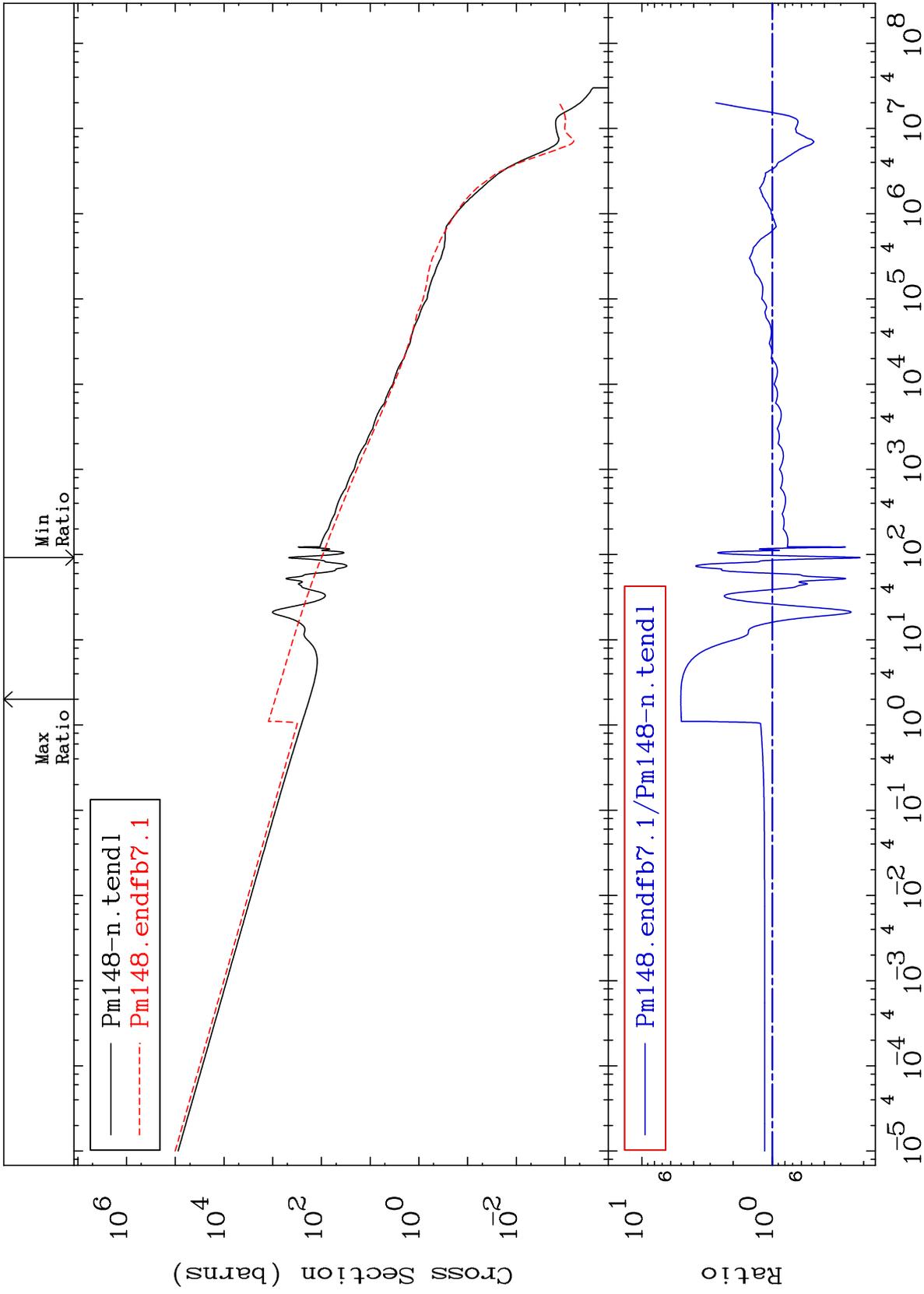
61-Pm-148

61-Pm-148

MAT 6152

61-Pm-148  
-78.72 To 403.1 %

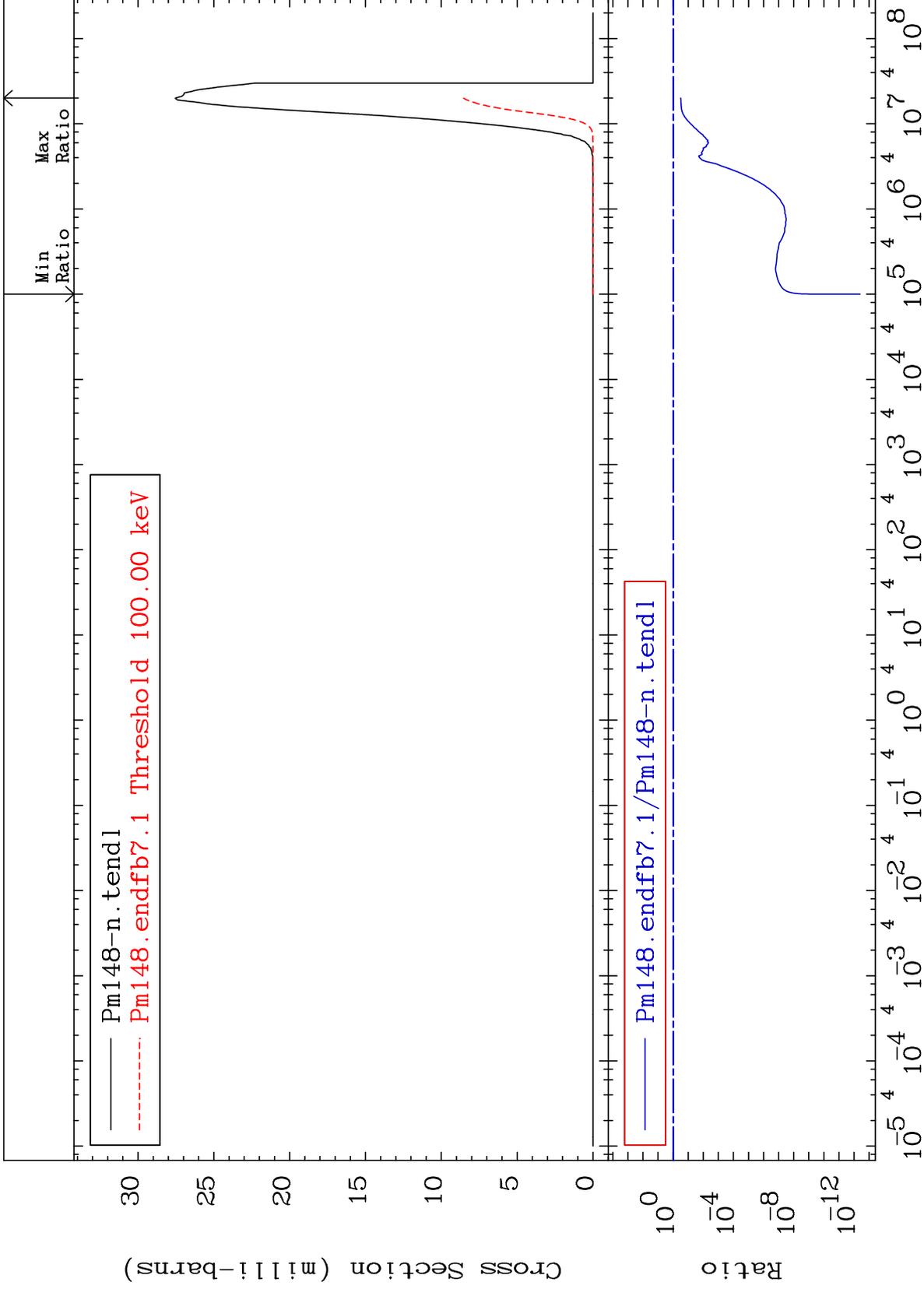
(n,  $\gamma$ )  
Cross Section



MAT 6152

(n,p)  
Cross Section

61-Pm-148  
-100.0 To -68.97%



14

Incident Energy (eV)

61-Pm-148

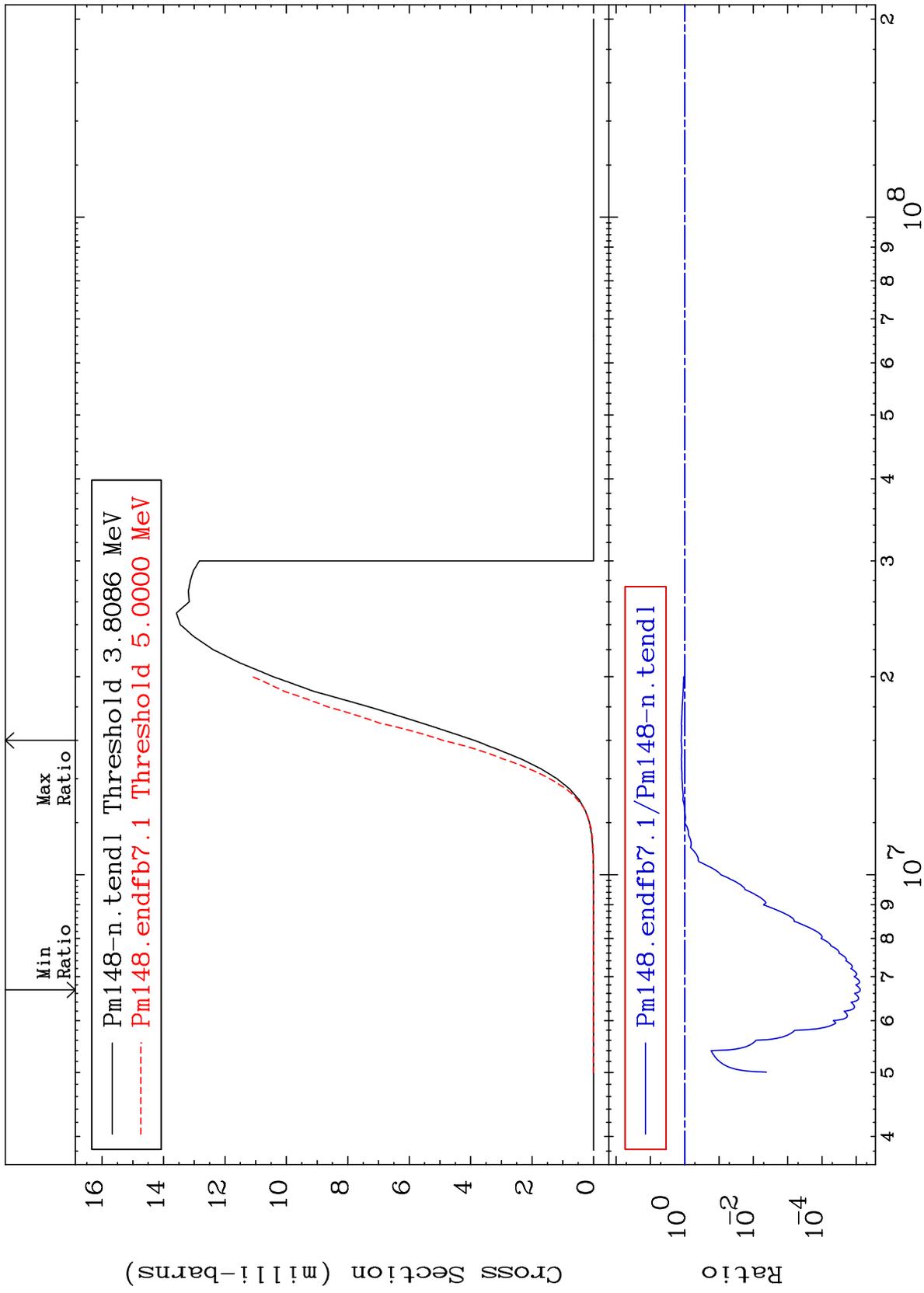
MAT 6152

(n, d)

61-Pm-148

Cross Section

-100.0 To 26.26 %



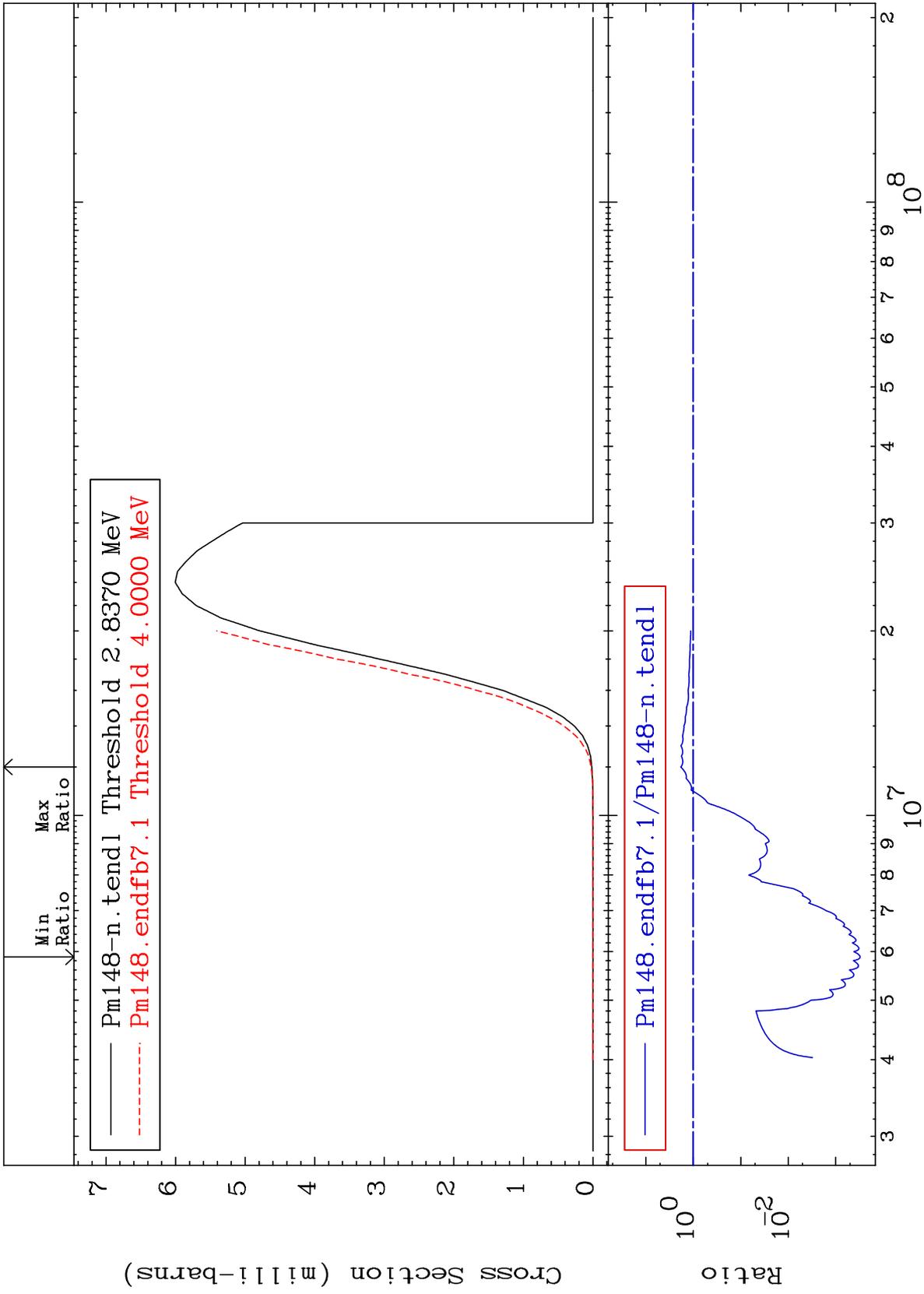
15

61-Pm-148

61-Pm-148

MAT 6152

(n, t) Cross Section  
61-Pm-148  
-99.97 To 83.61 %



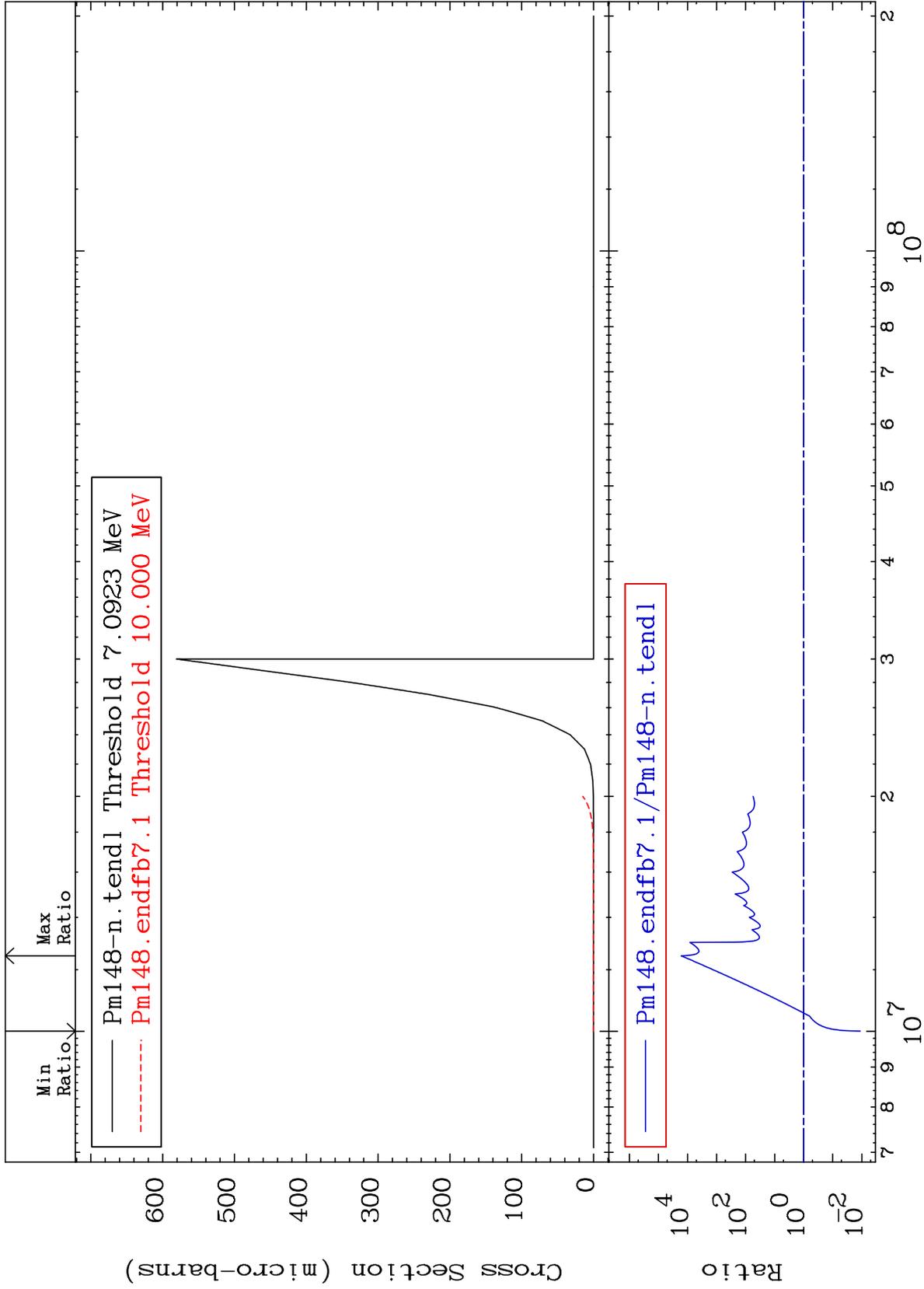
16

Incident Energy (eV)

61-Pm-148

Cross Section

-98.86 To 9999. %



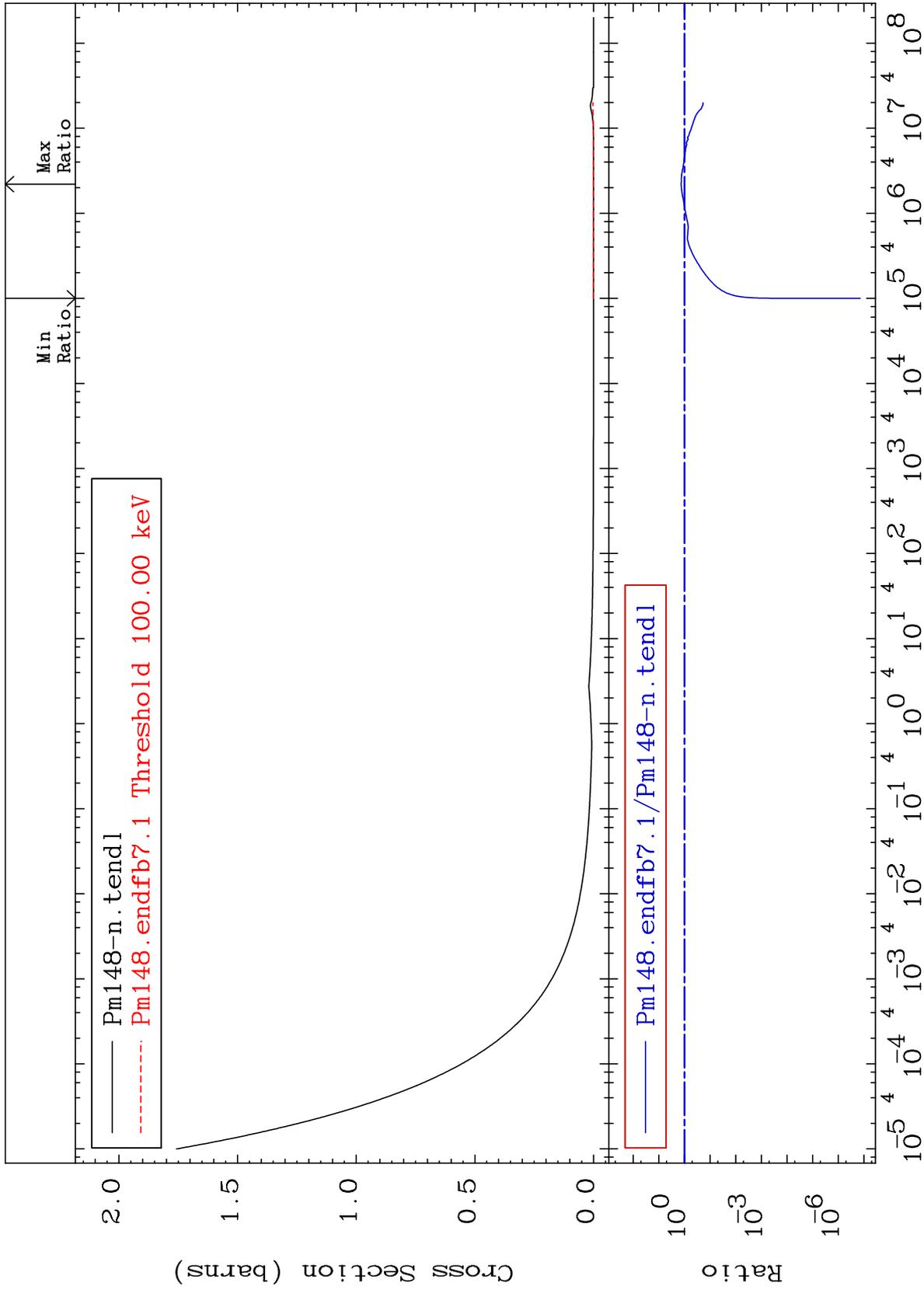
MAT 6152

(n,  $\alpha$ )

61-Pm-148

Cross Section

-100.0 To 34.67 %



18

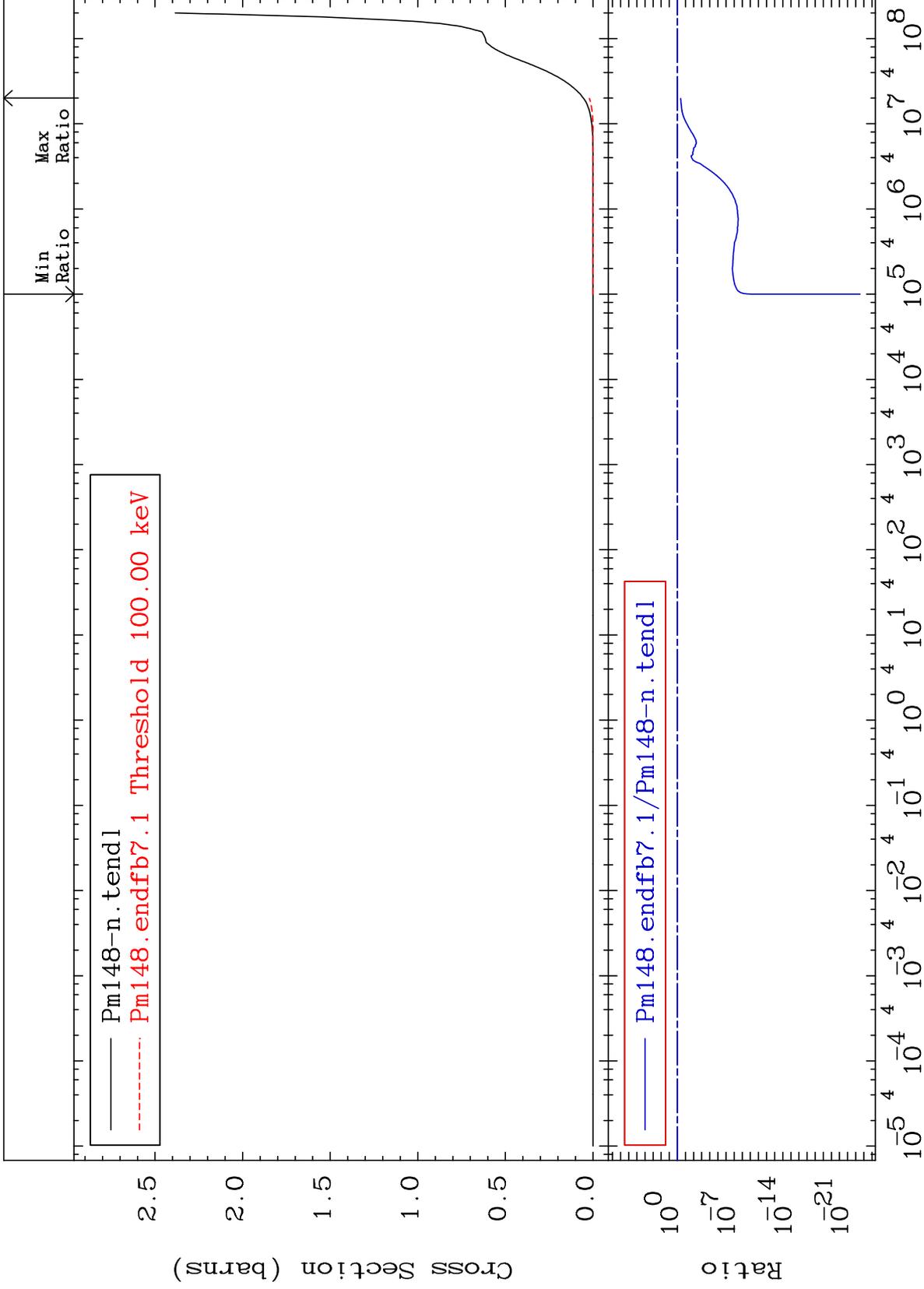
Incident Energy (eV)

61-Pm-148

MAT 6152

### Hydrogen Production Cross Section

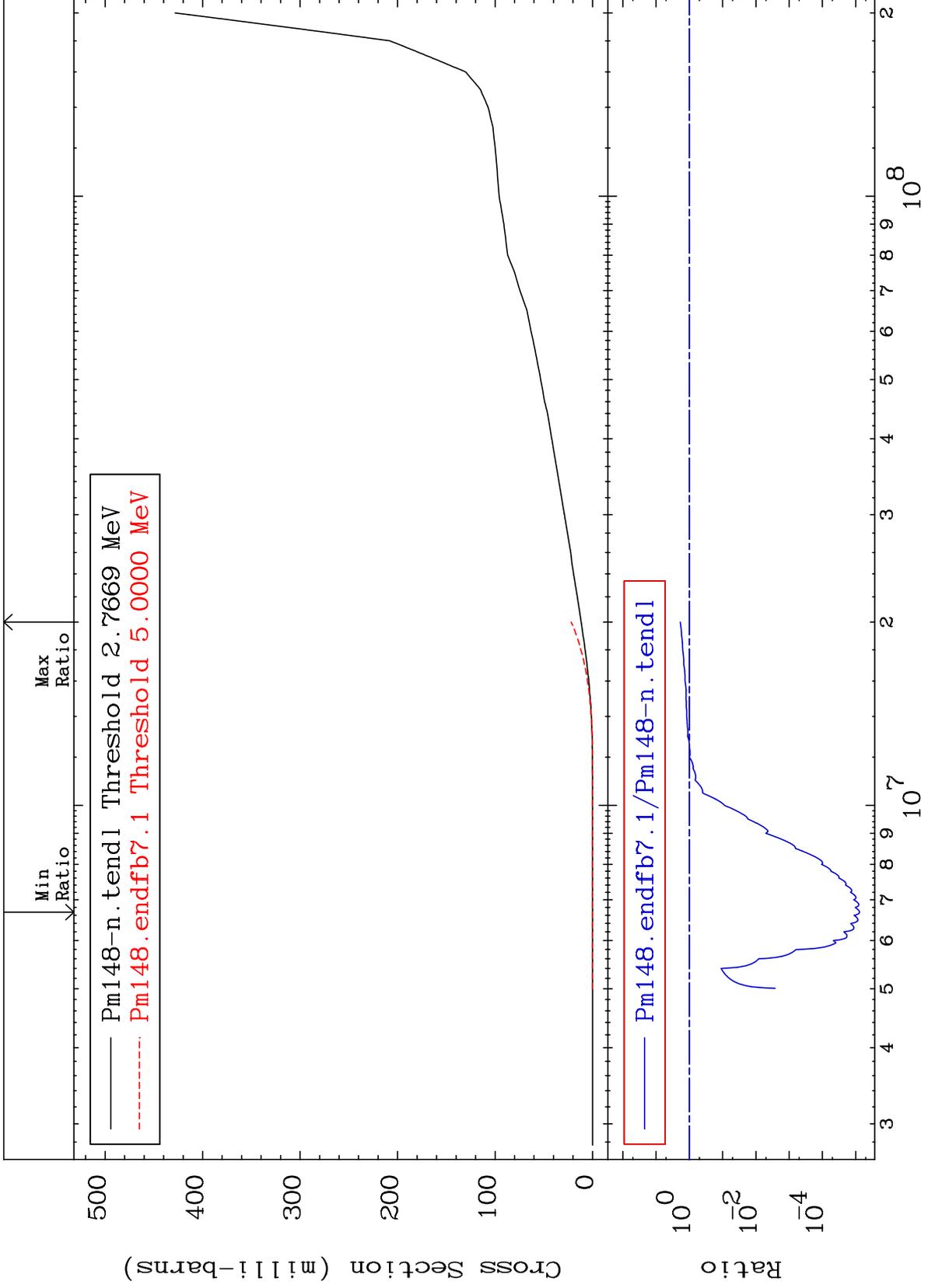
61-Pm-148  
-100.0 To -61.73%



MAT 6152

Deuterium Production  
Cross Section

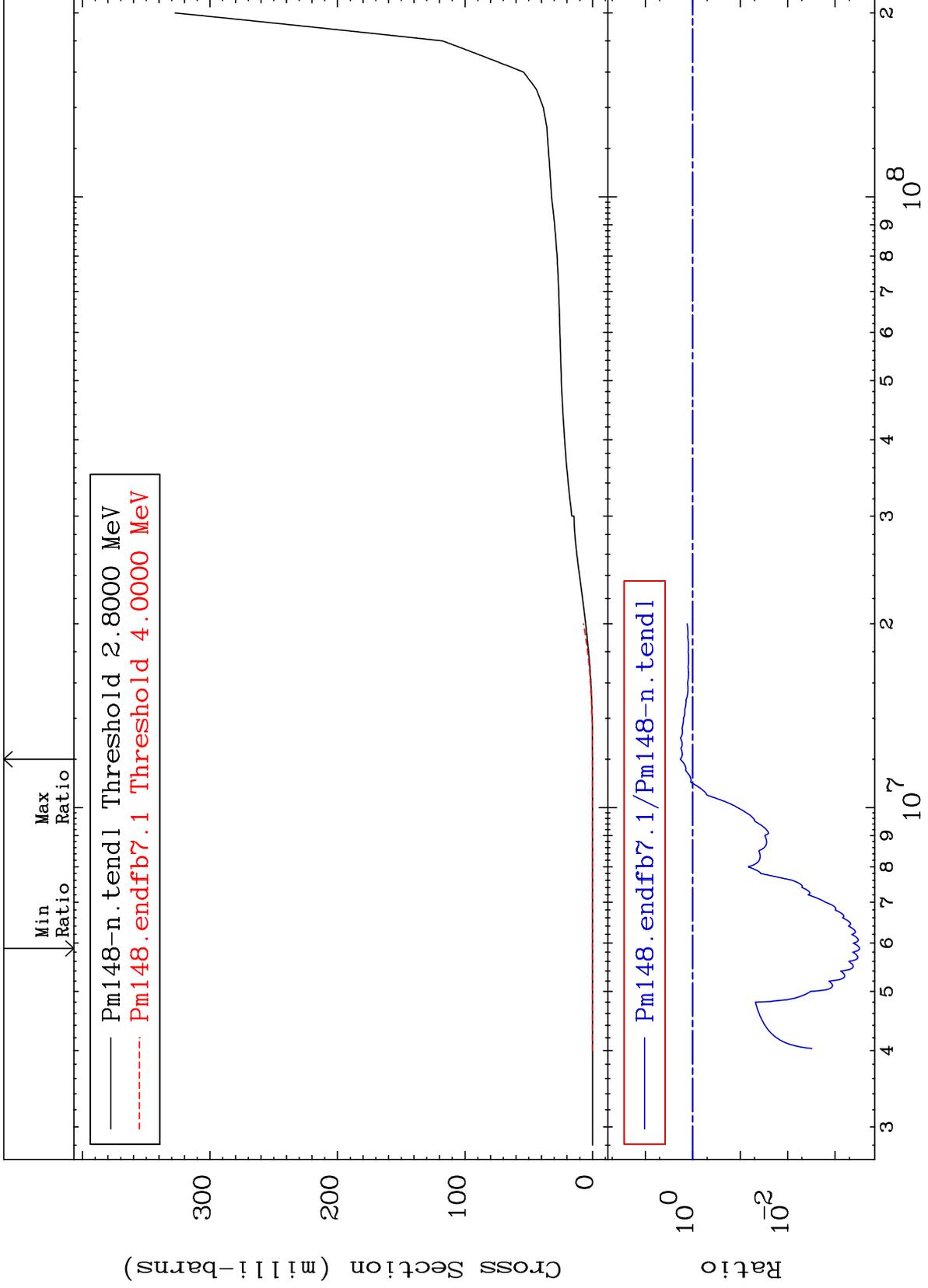
61-Pm-148  
-100.0 To 87.63 %



MAT 6152

Tritium Production  
Cross Section

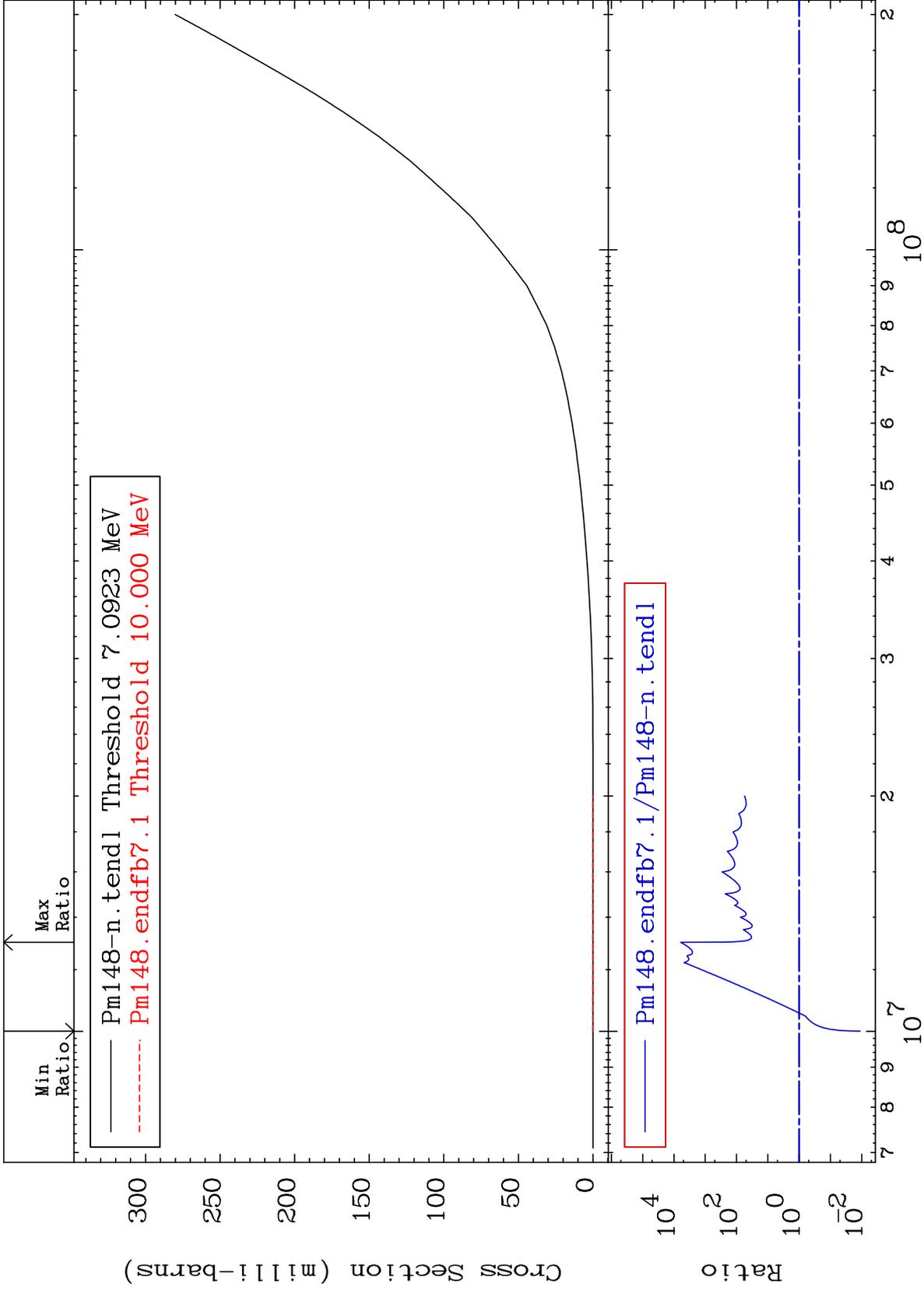
61-Pm-148  
-99.97 To 83.61 %



MAT 6152

He-3 Production  
Cross Section

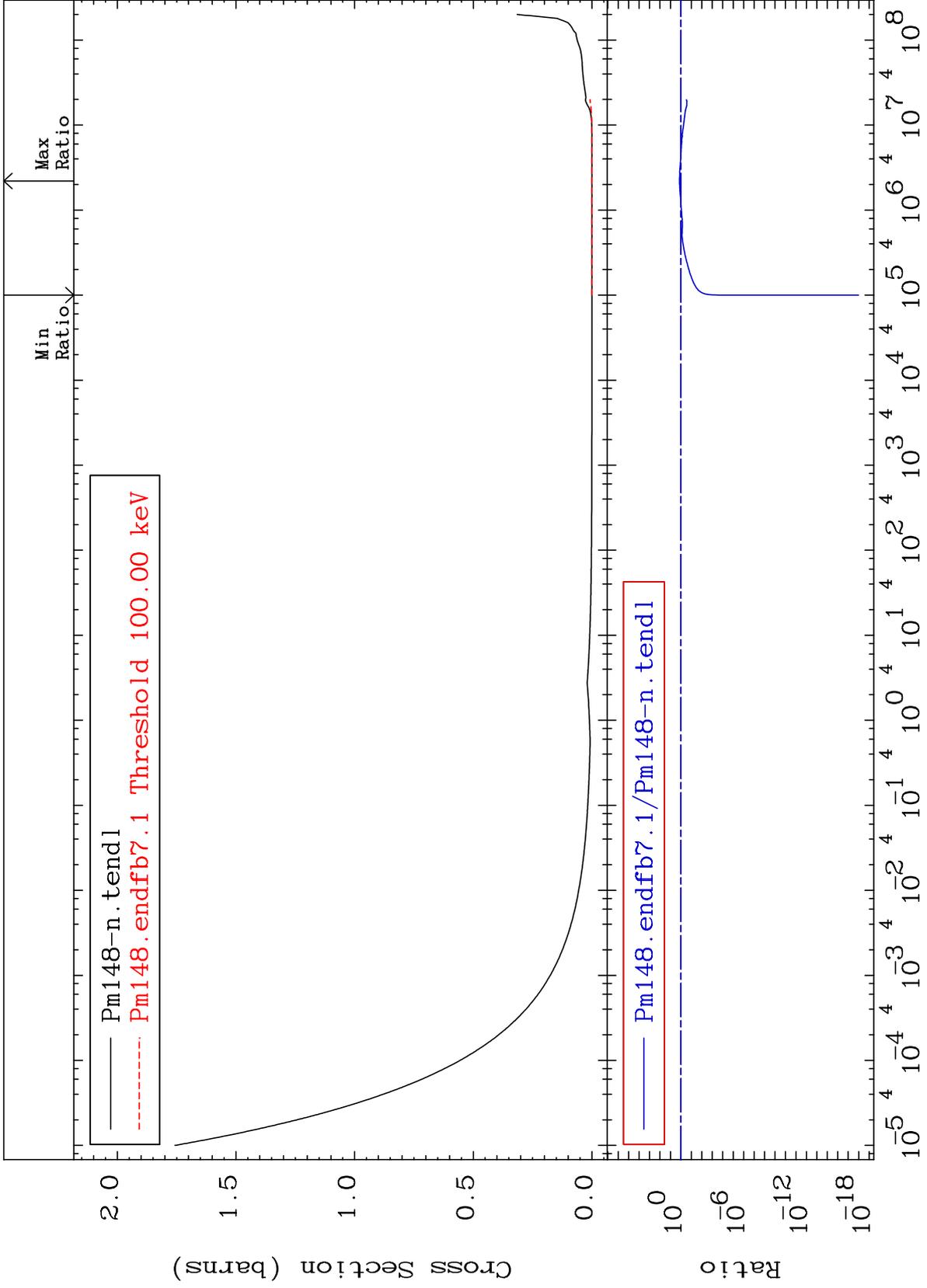
61-Pm-148  
-98.86 To 9999. %



MAT 6152

He-4 Production  
Cross Section

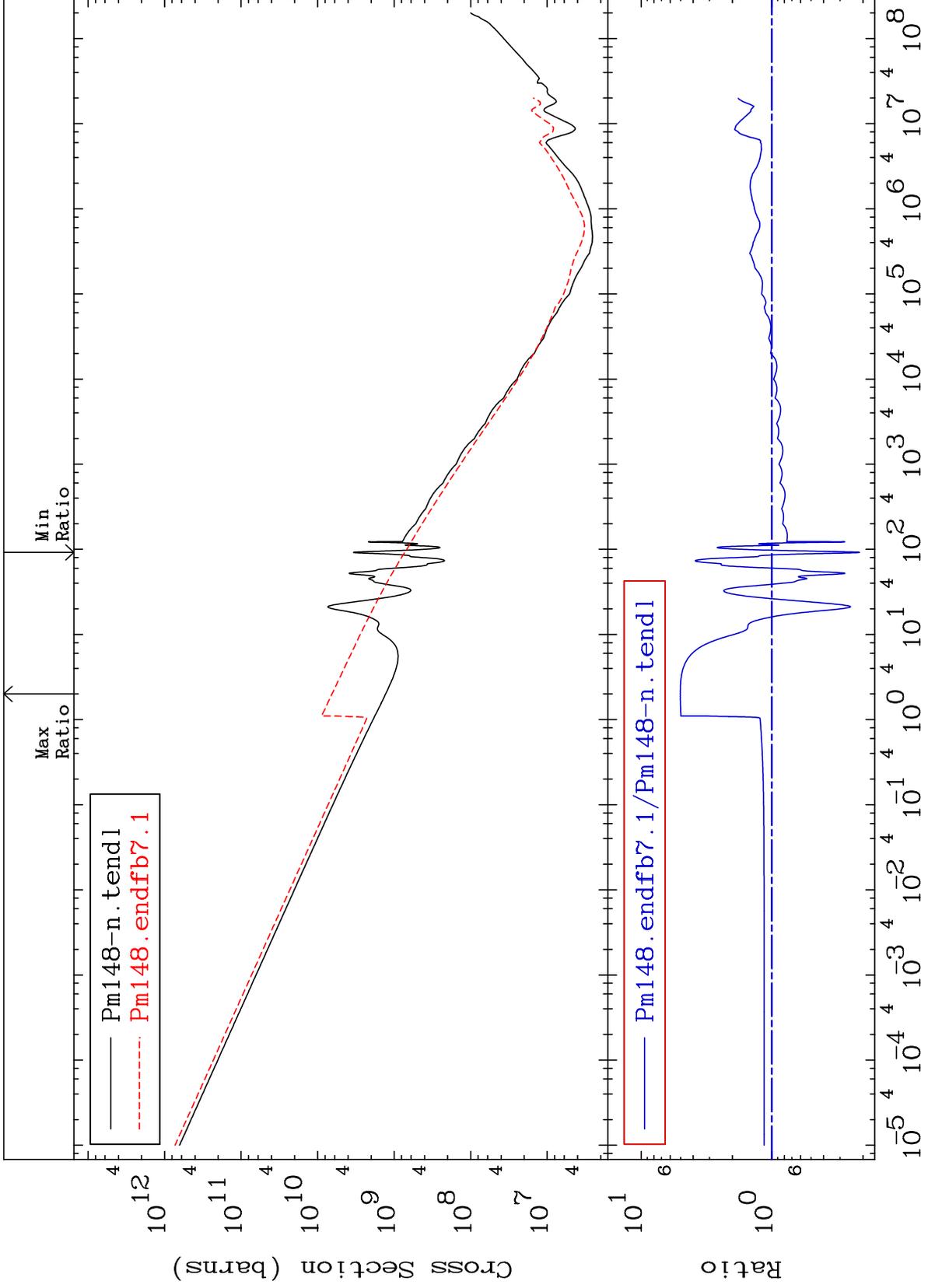
61-Pm-148  
-100.0 To 34.67 %



MAT 6152

Kerma total (eV-barns)  
Cross Section

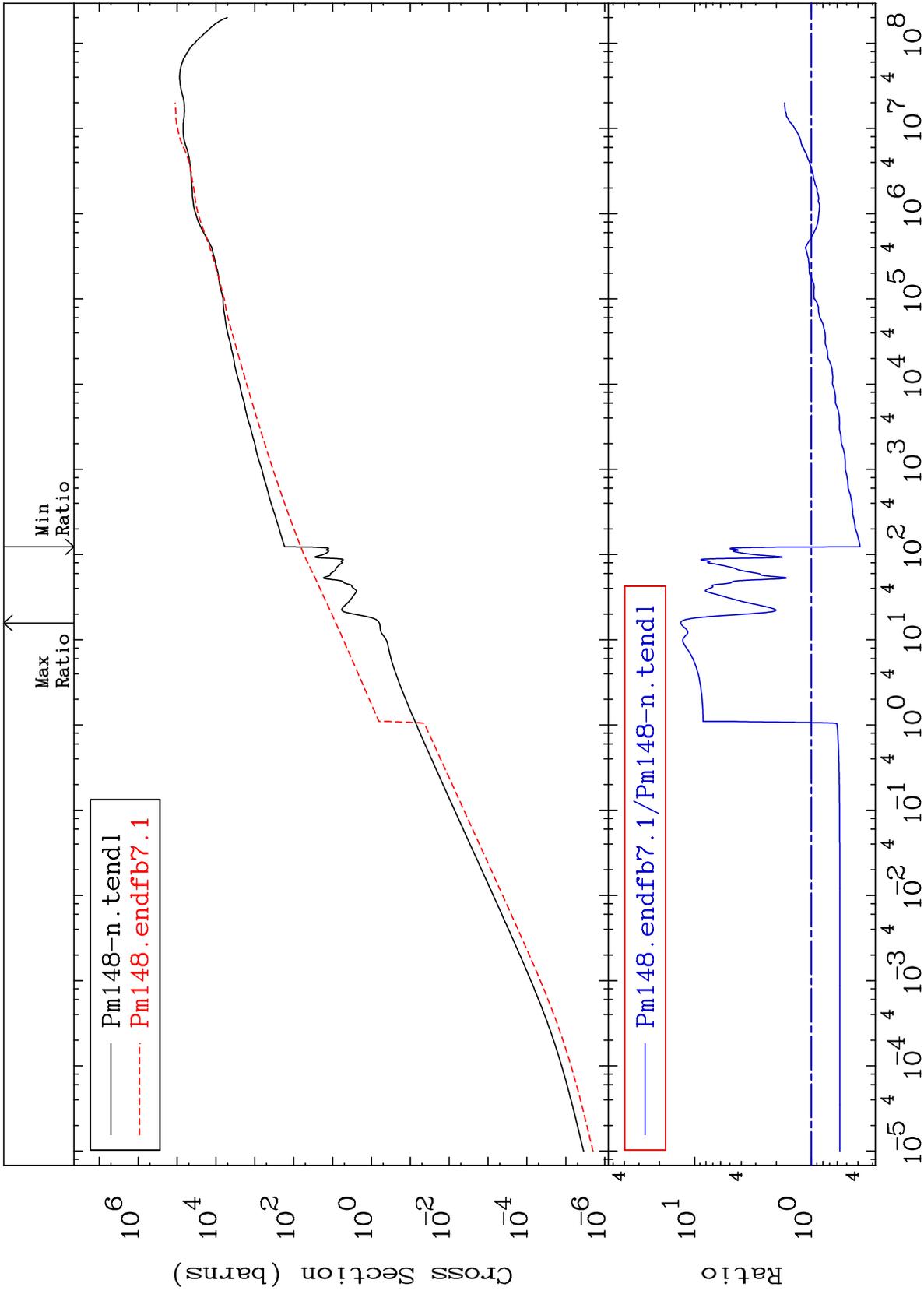
61-Pm-148  
-78.74 To 402.7 %

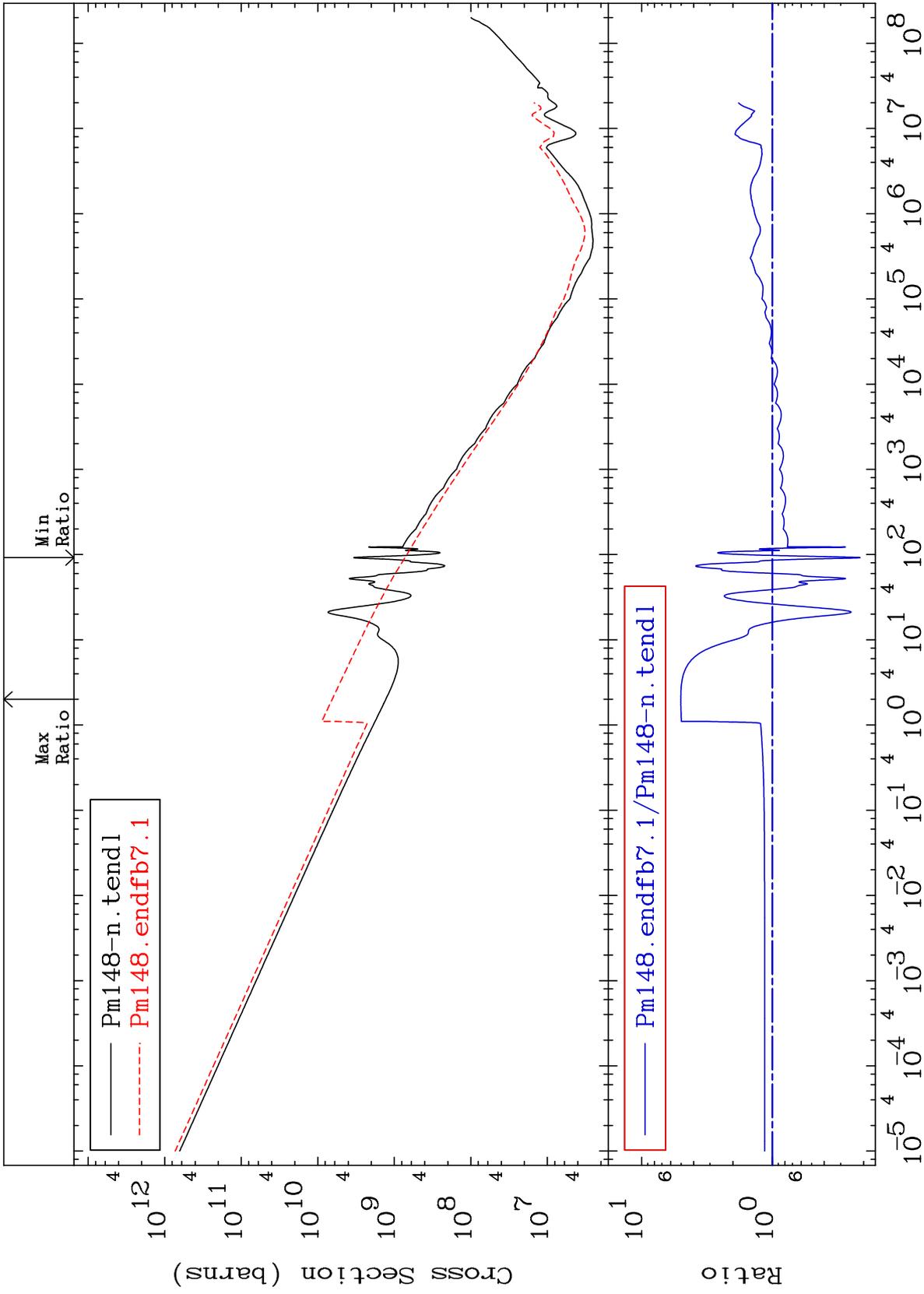


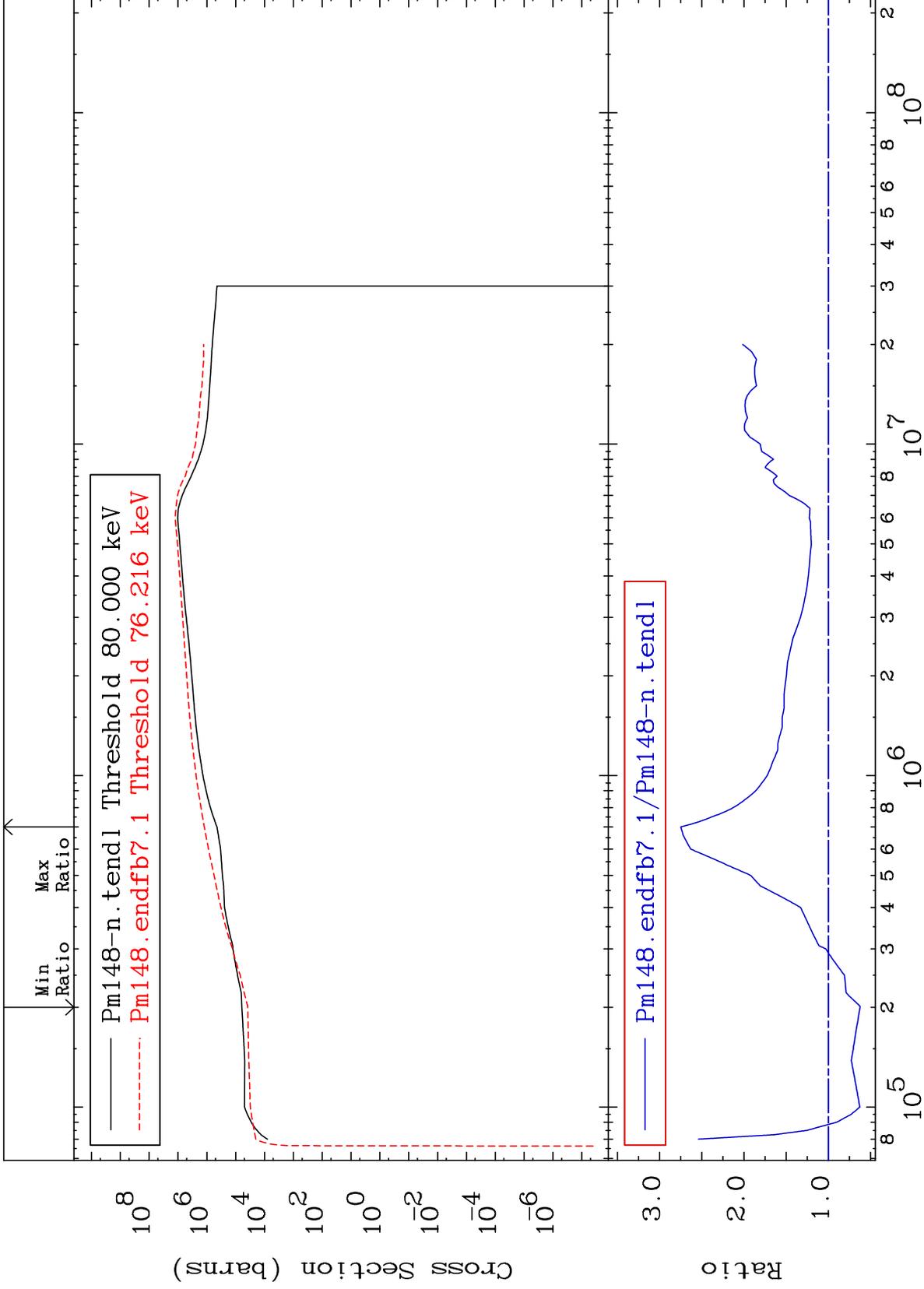
MAT 6152

Kerma elastic  
Cross Section

61-Pm-148  
-61.61 To 1216. %



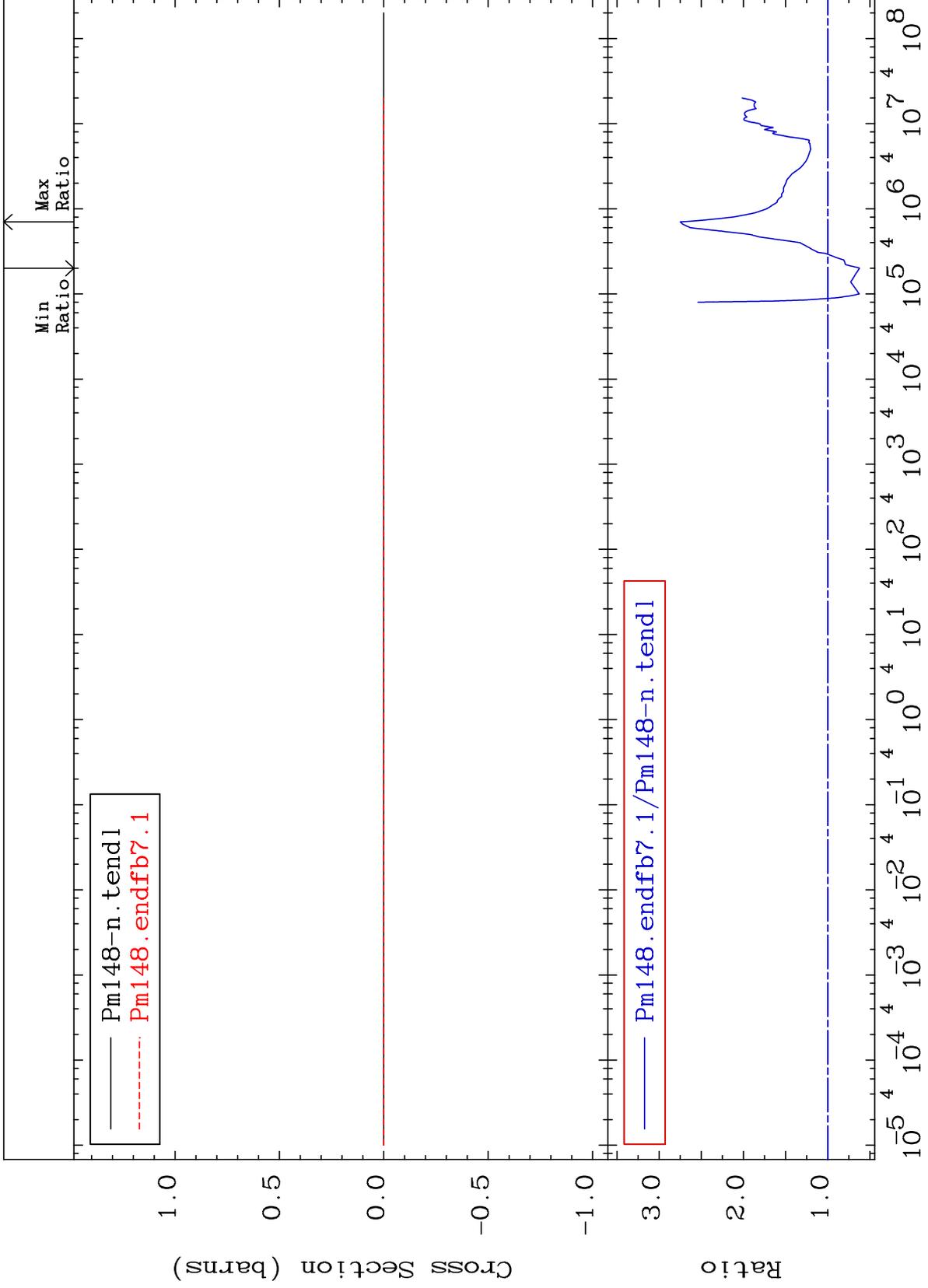




MAT 6152

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

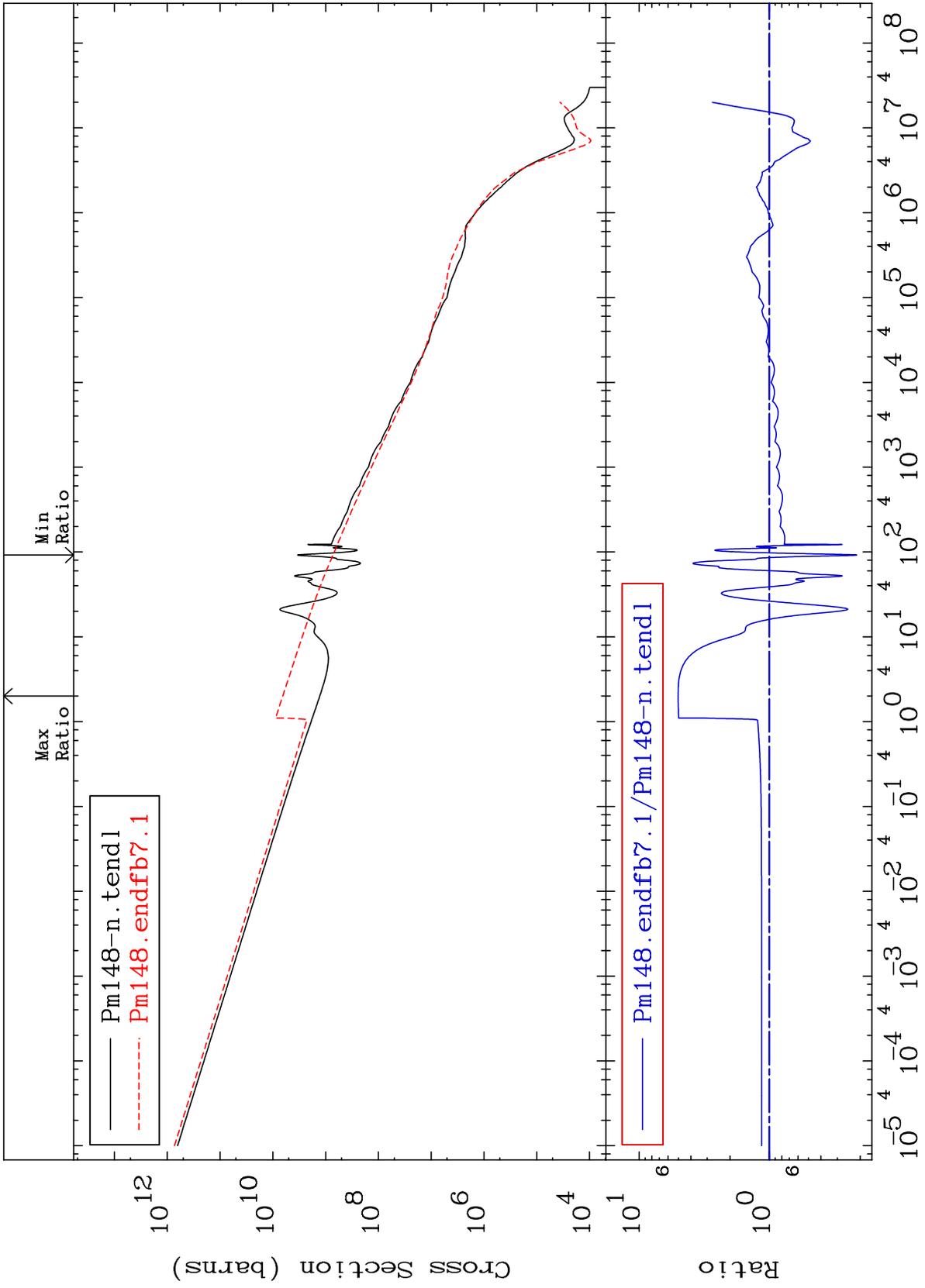
61-Pm-148  
-37.72 To 174.9 %



MAT 6152

Kerma capture (mt102)  
Cross Section

61-Pm-148  
-78.74 To 402.7 %

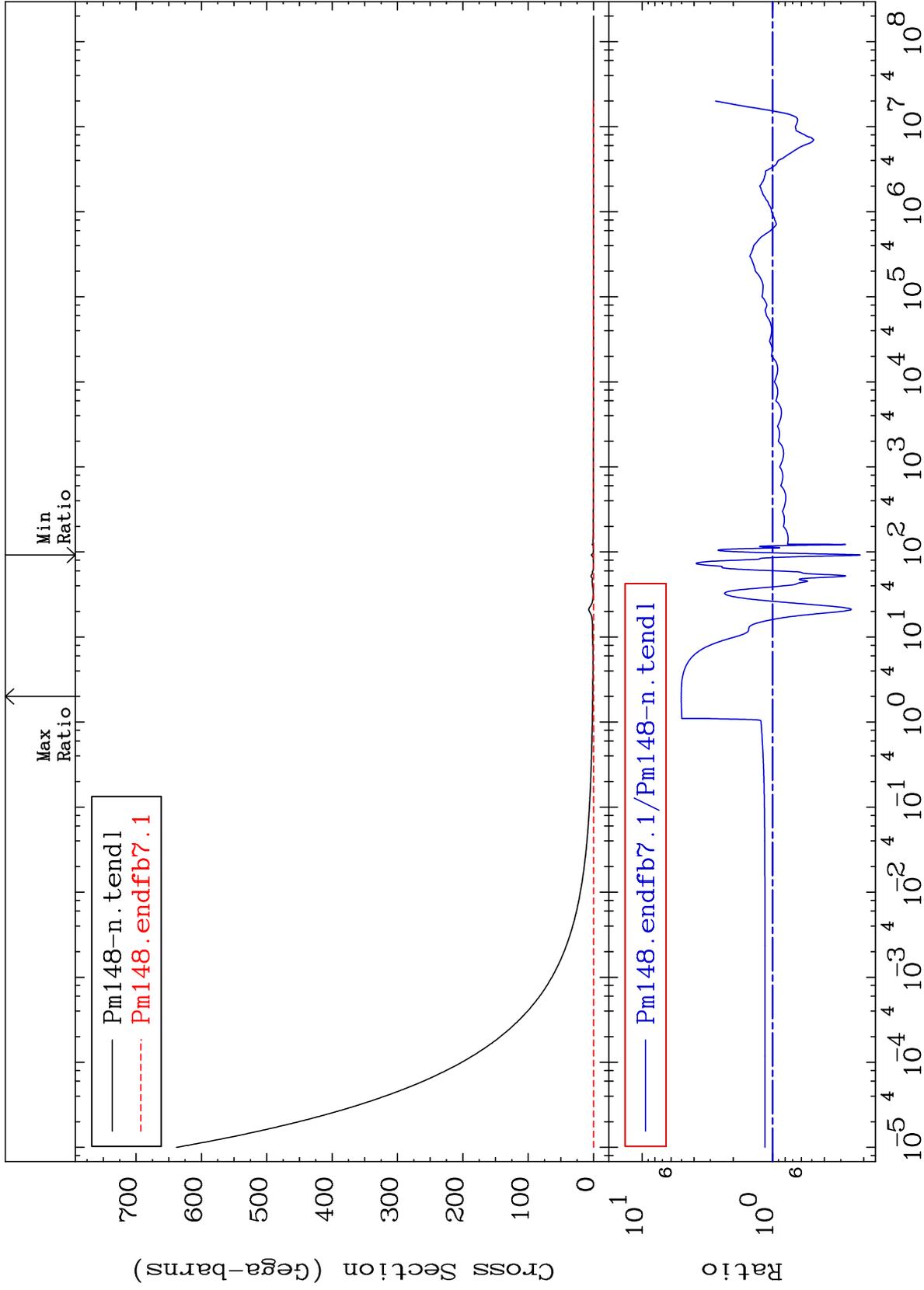


MAT 6152

Total photon (eV-barns)  
Cross Section

61-Pm-148

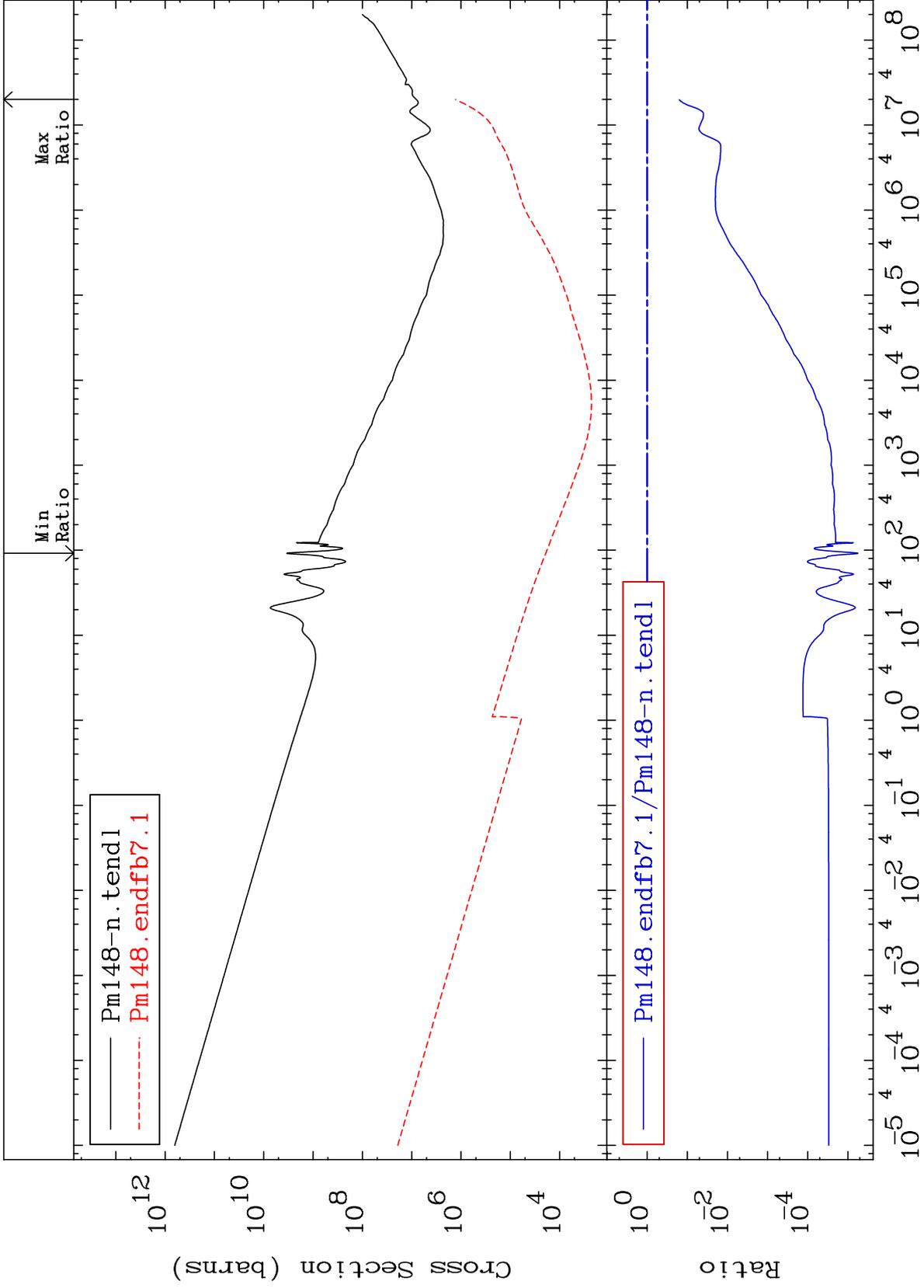
-78.74 To 402.7 %



30

Incident Energy (eV)

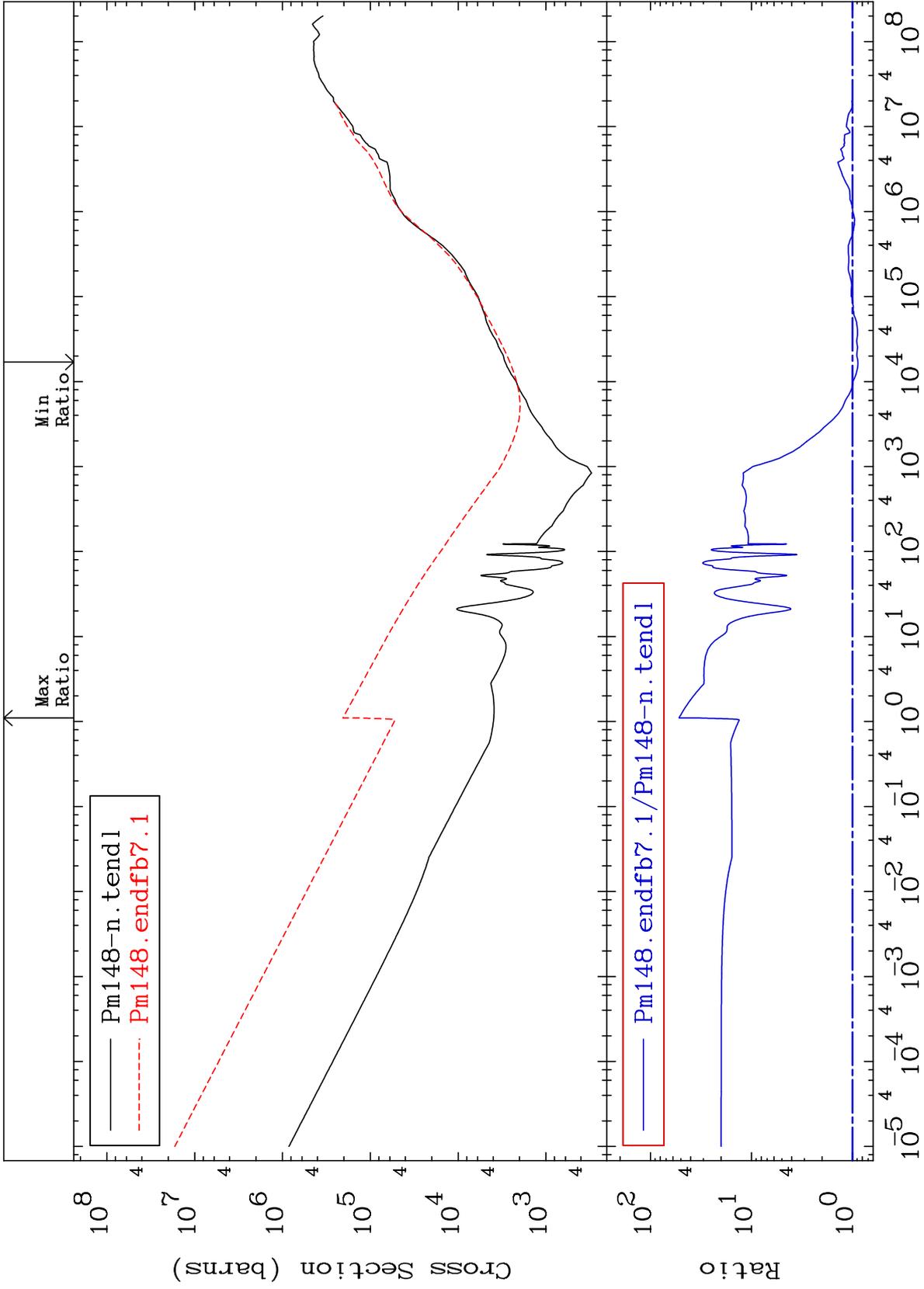
61-Pm-148



MAT 6152

Dpa total (eV-barns)  
Cross Section

61-Pm-148  
-11.58 To 5112. %



32

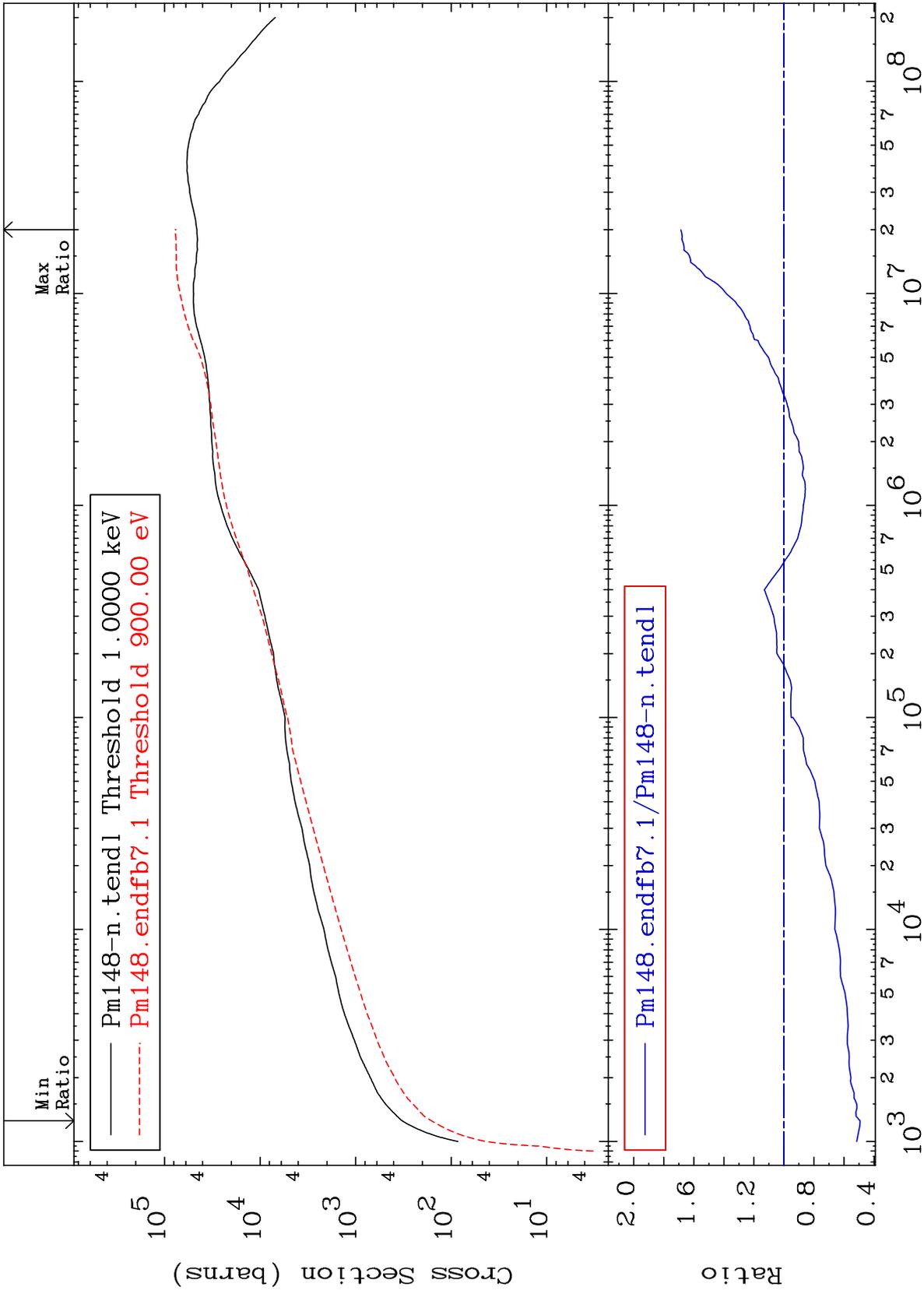
Incident Energy (eV)

61-Pm-148

MAT 6152

Dpa elastic (mt2)  
Cross Section

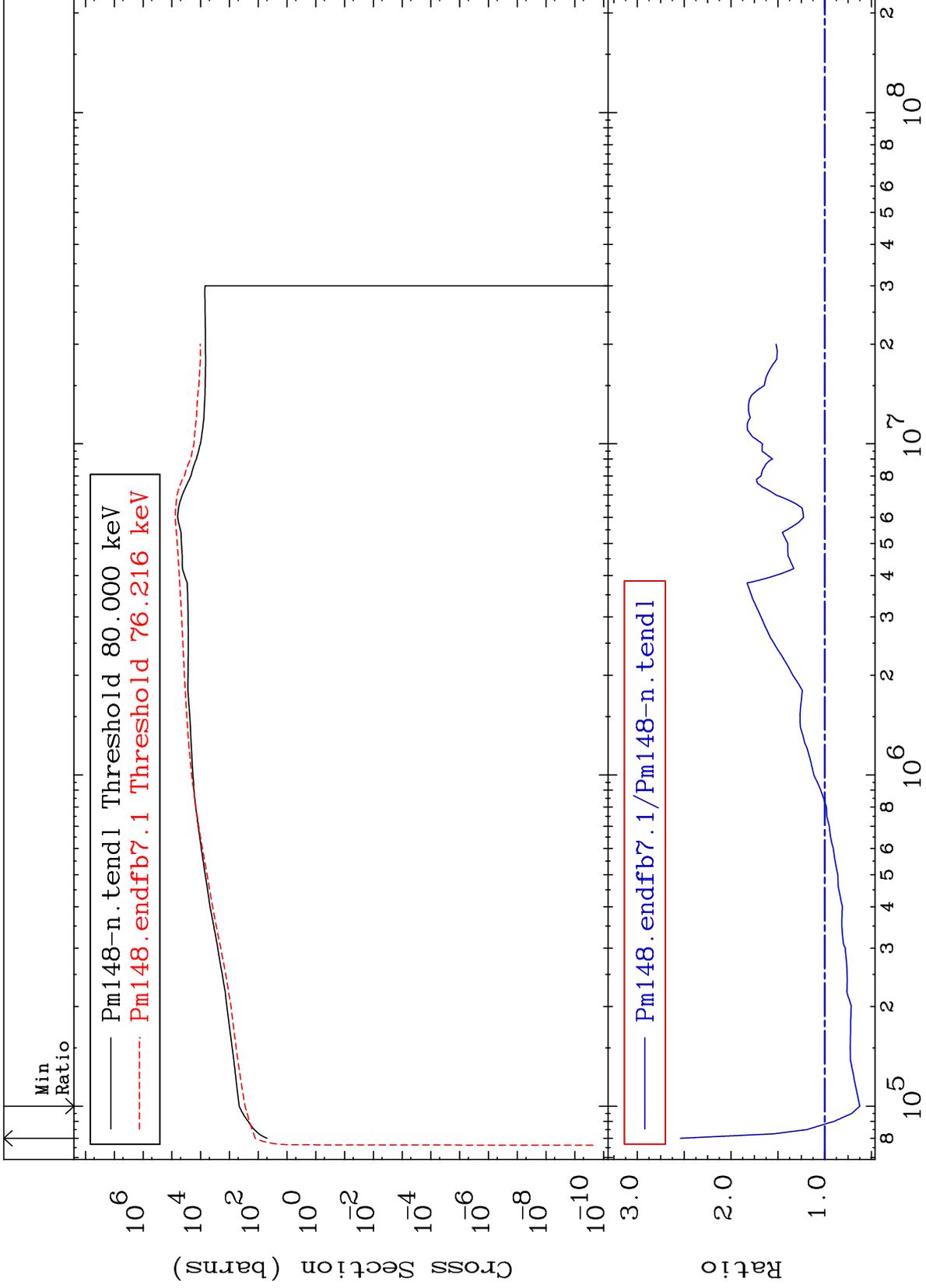
61-Pm-148  
-50.75 To 68.72 %



33

Incident Energy (eV)

61-Pm-148



MAT 6152

Dpa disappearance (mt102 -120)  
Cross Section

61-Pm-148  
-68.68 To 9999. %

