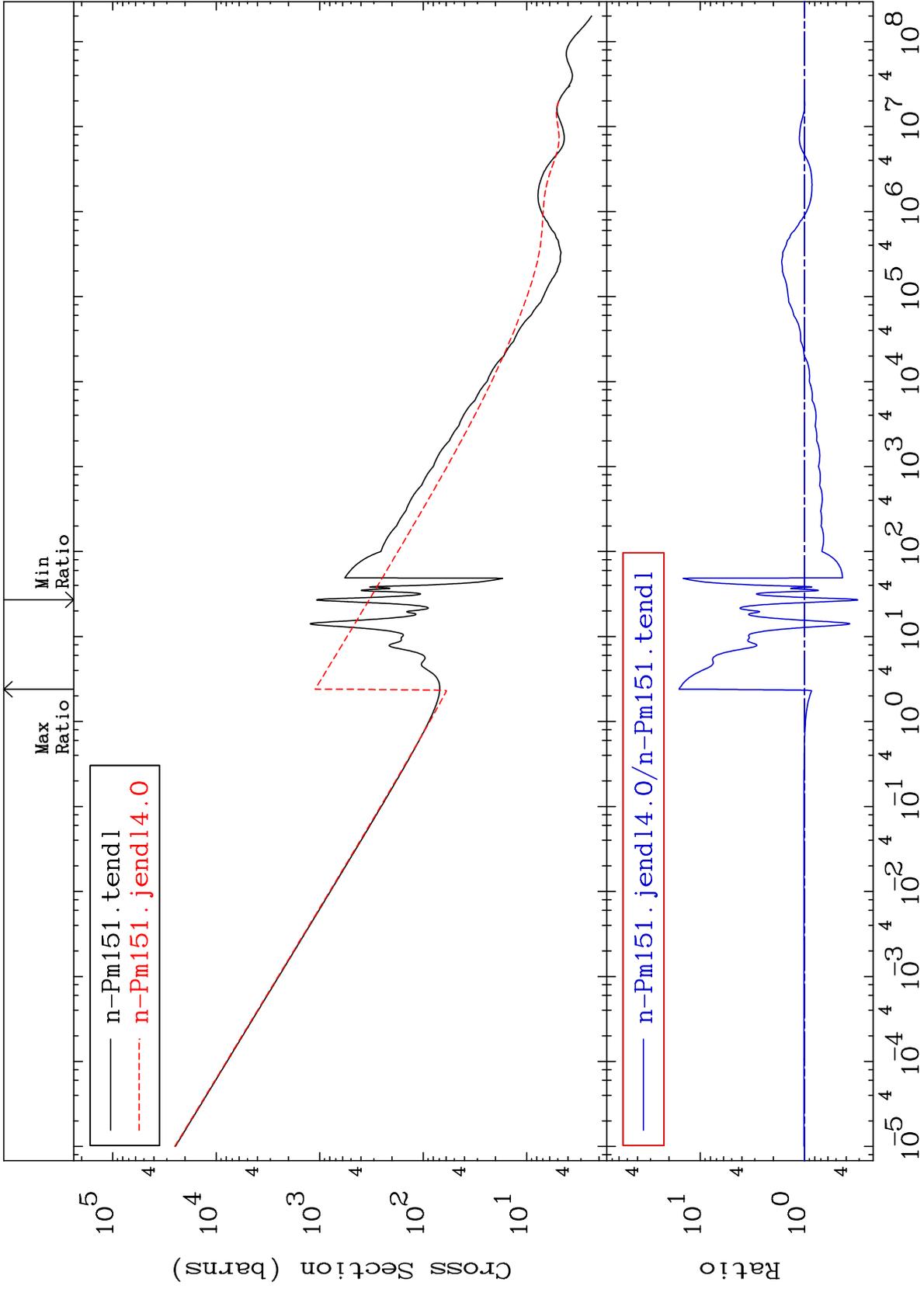


MAT 6161

Total  
Cross Section  
61-Pm-151  
-69.10 To 1499. %



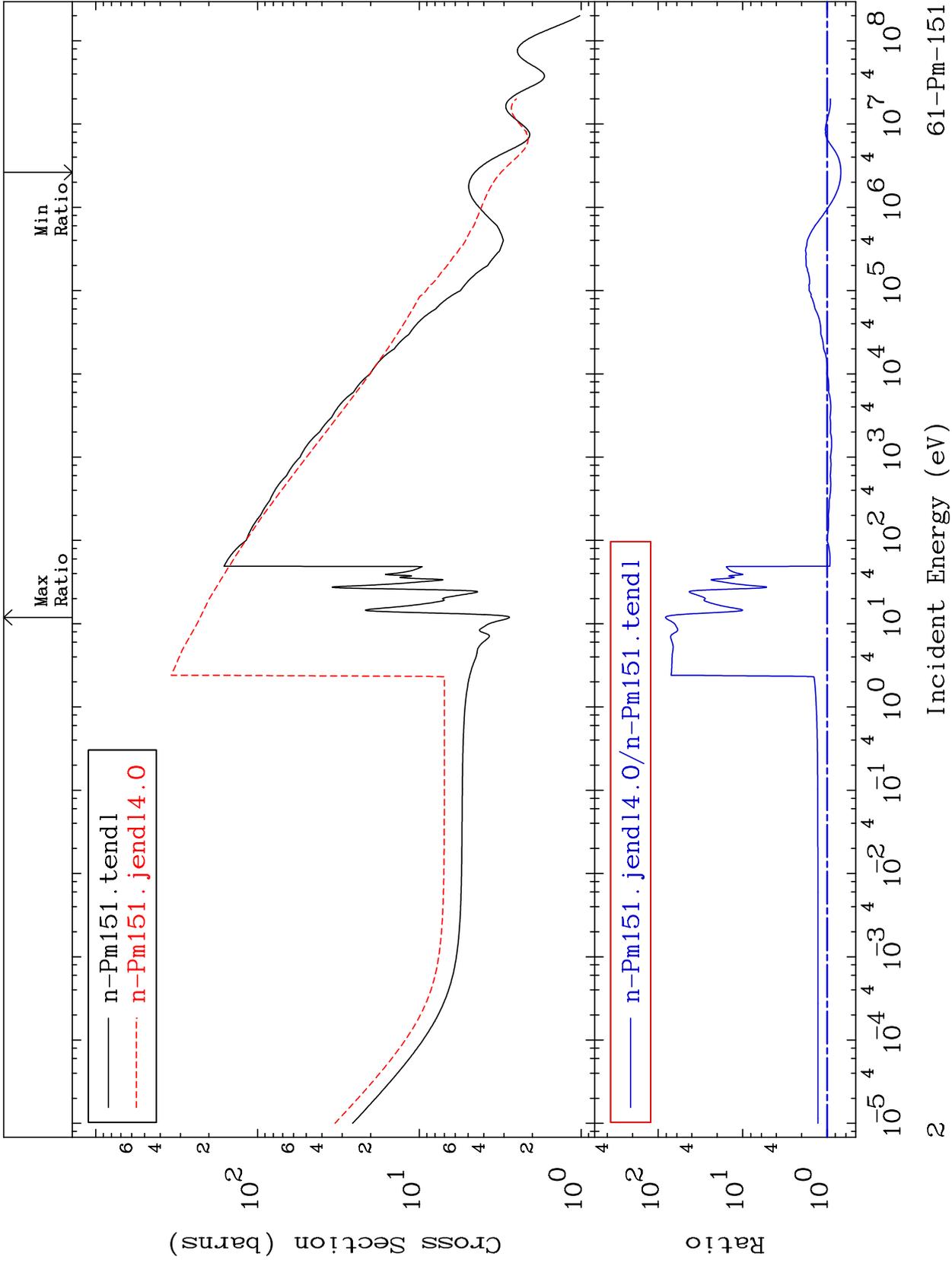
Incident Energy (eV)

61-Pm-151

MAT 6161

Elastic  
Cross Section

61-Pm-151  
-31.18 To 8069. %

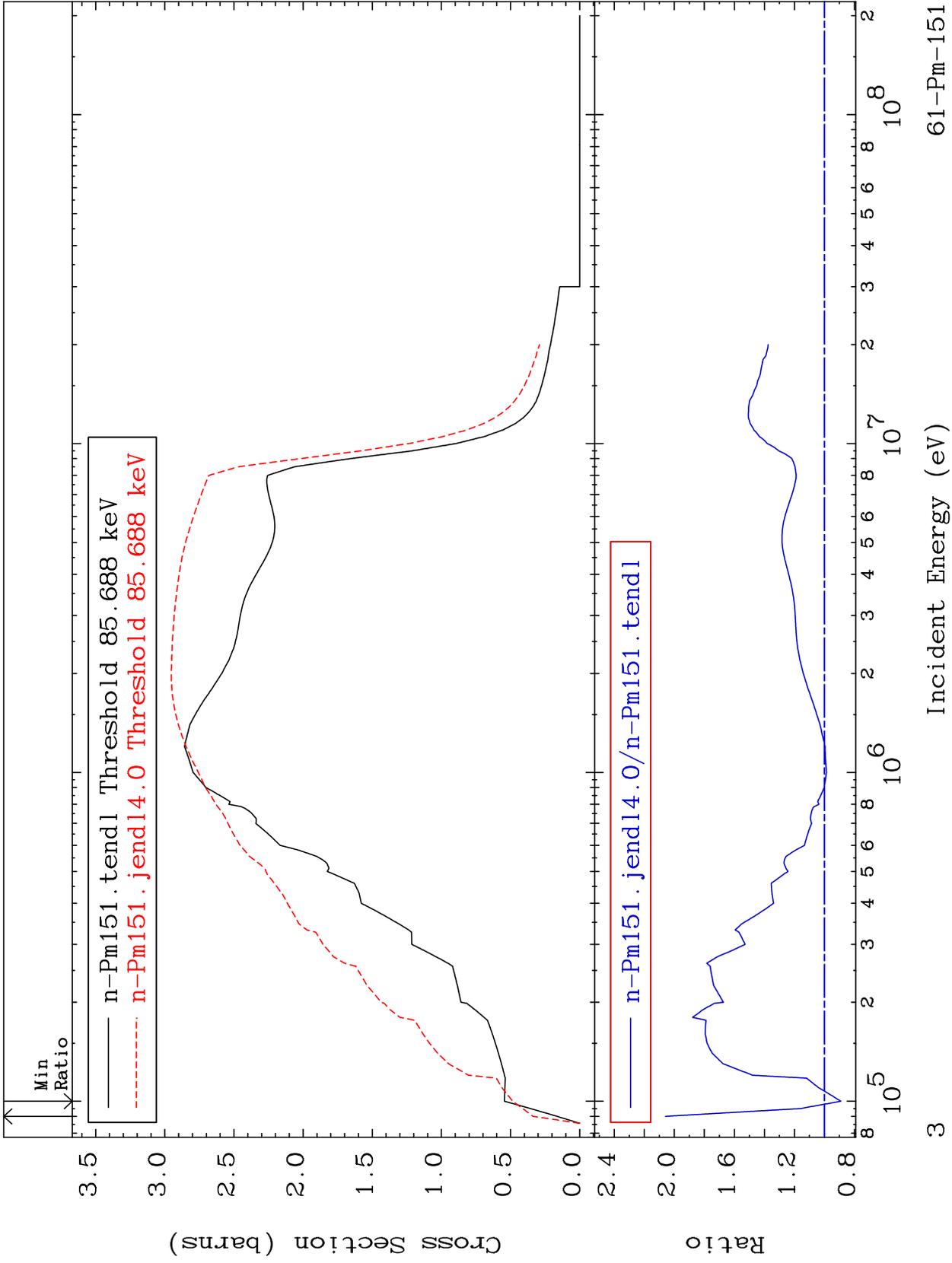


61-Pm-151

MAT 6161

Inelastic  
Cross Section

61-Pm-151  
-10.90 To 105.9 %



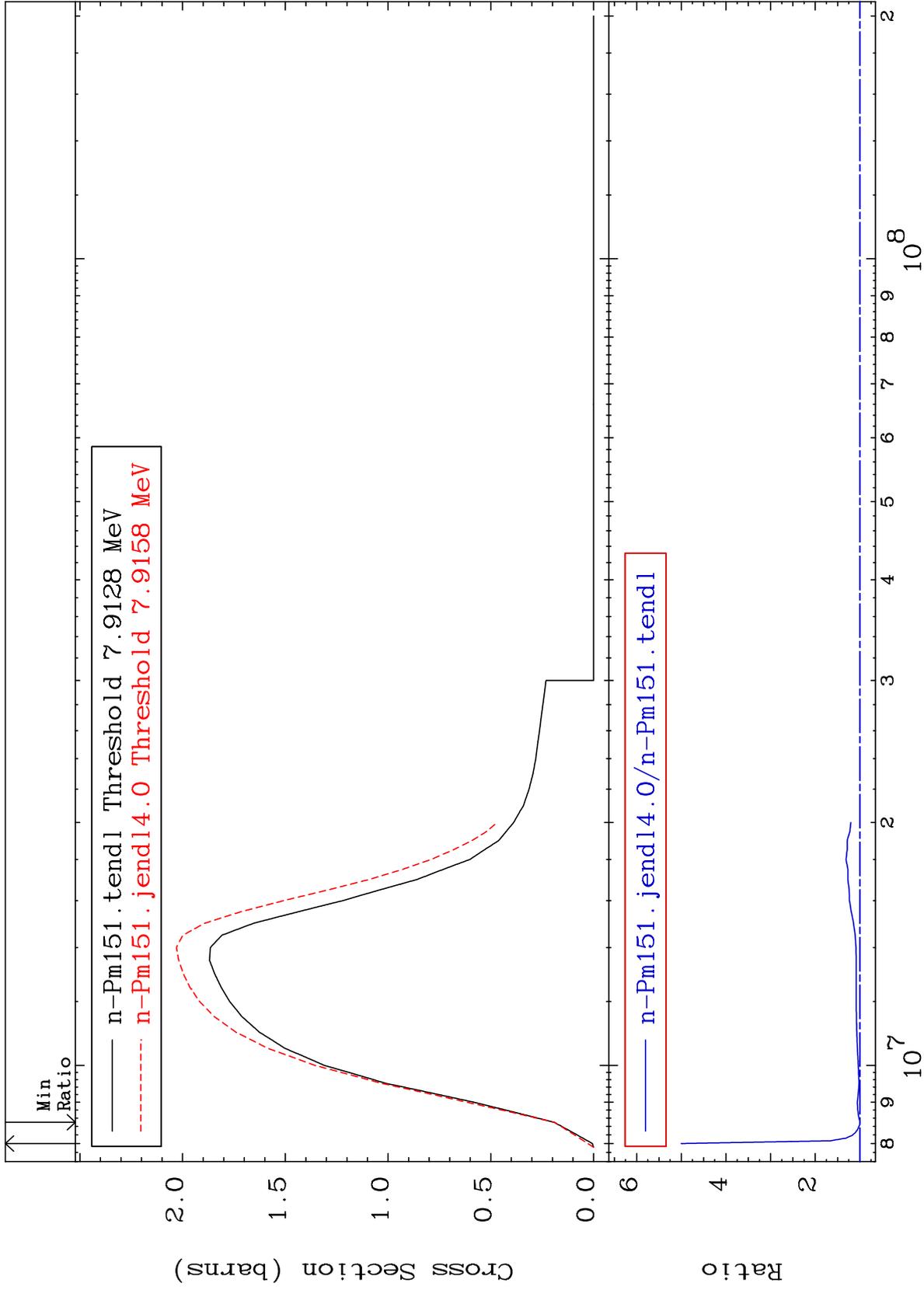
MAT 6161

(n,2n)

61-Pm-151

Cross Section

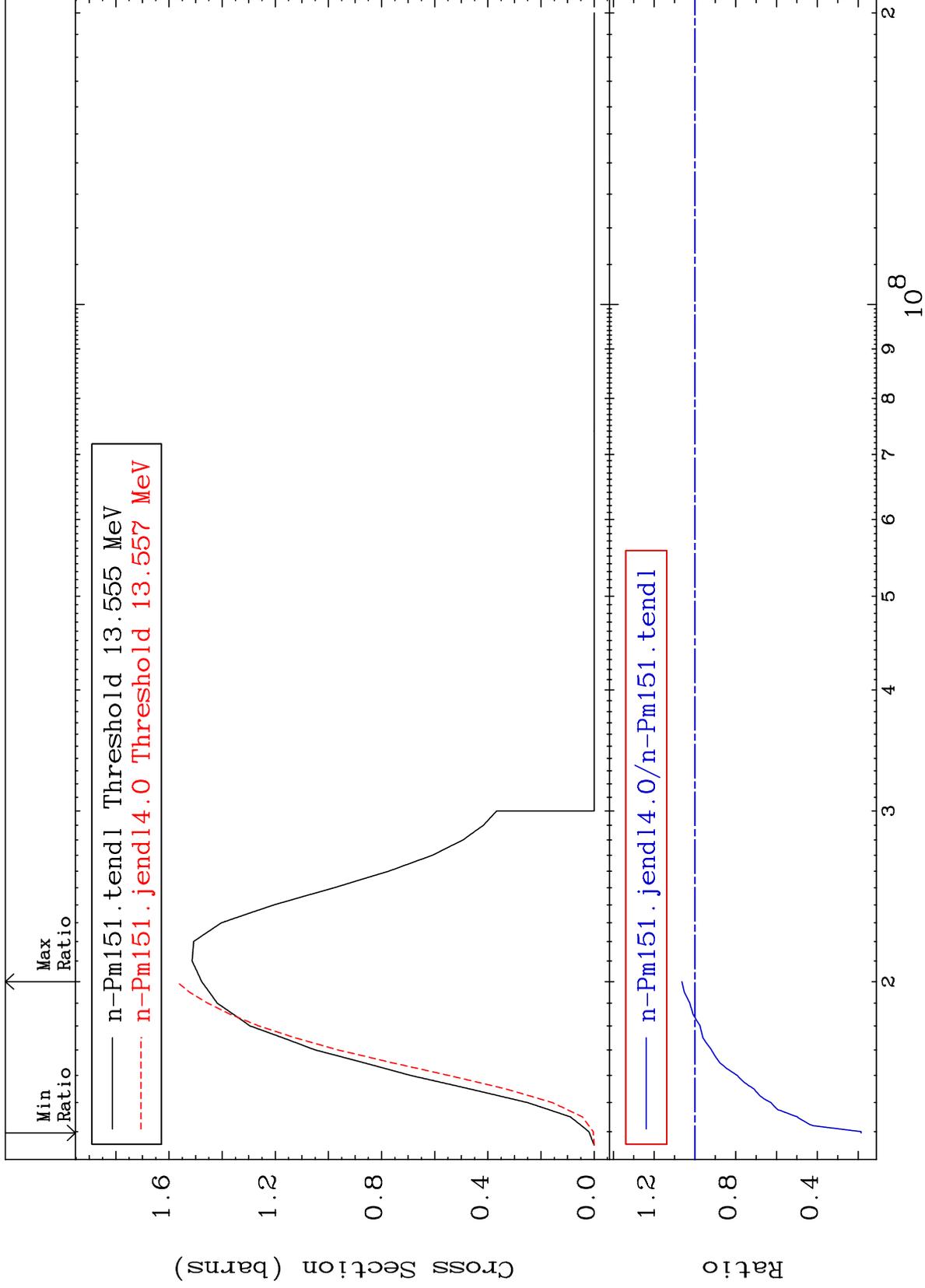
-0.654 To 400.3 %



4

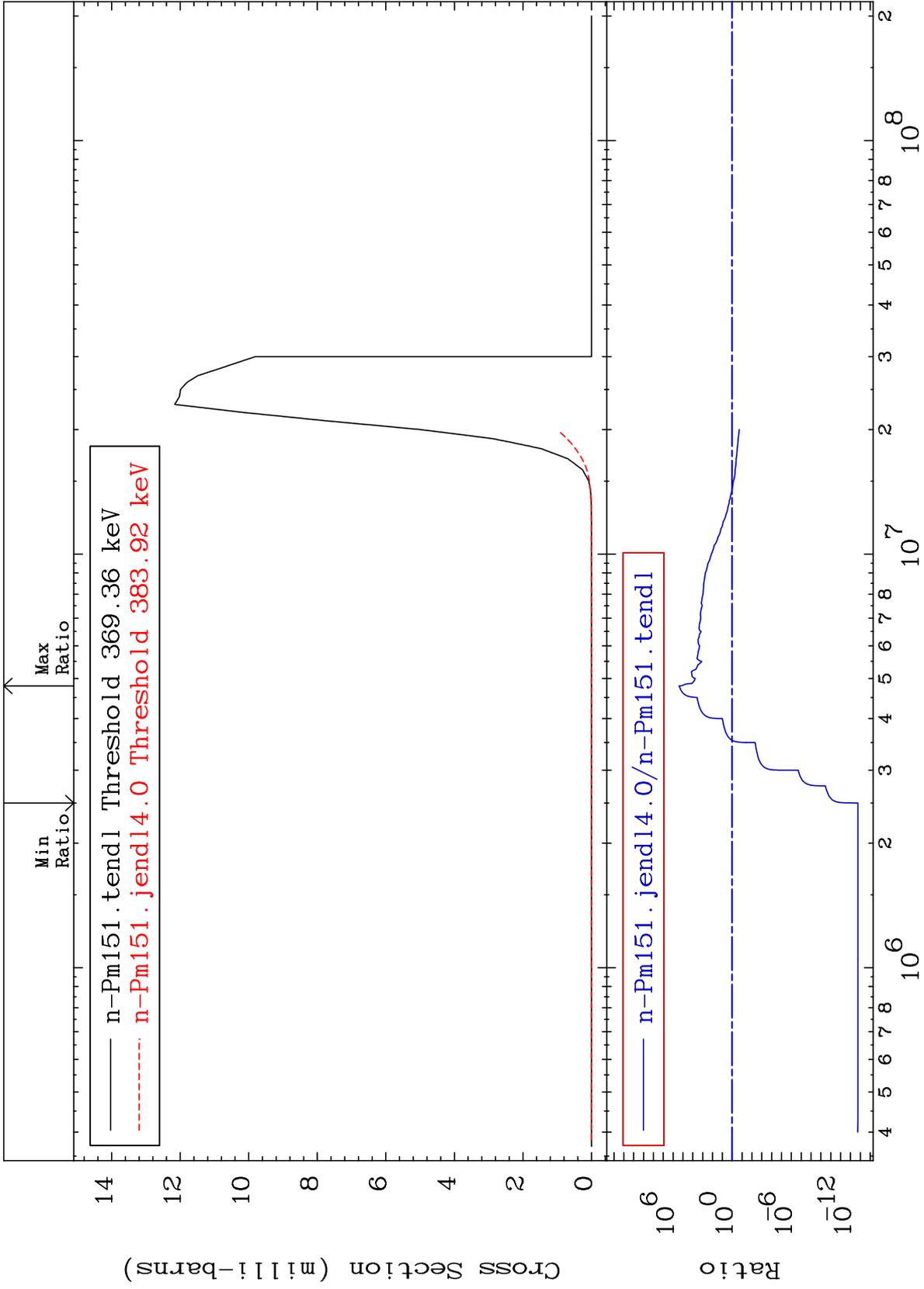
Incident Energy (eV)

61-Pm-151



MAT 6161

(n,n')  $\alpha$   
Cross Section  
61-Pm-151  
-100.0 To 9999. %



6

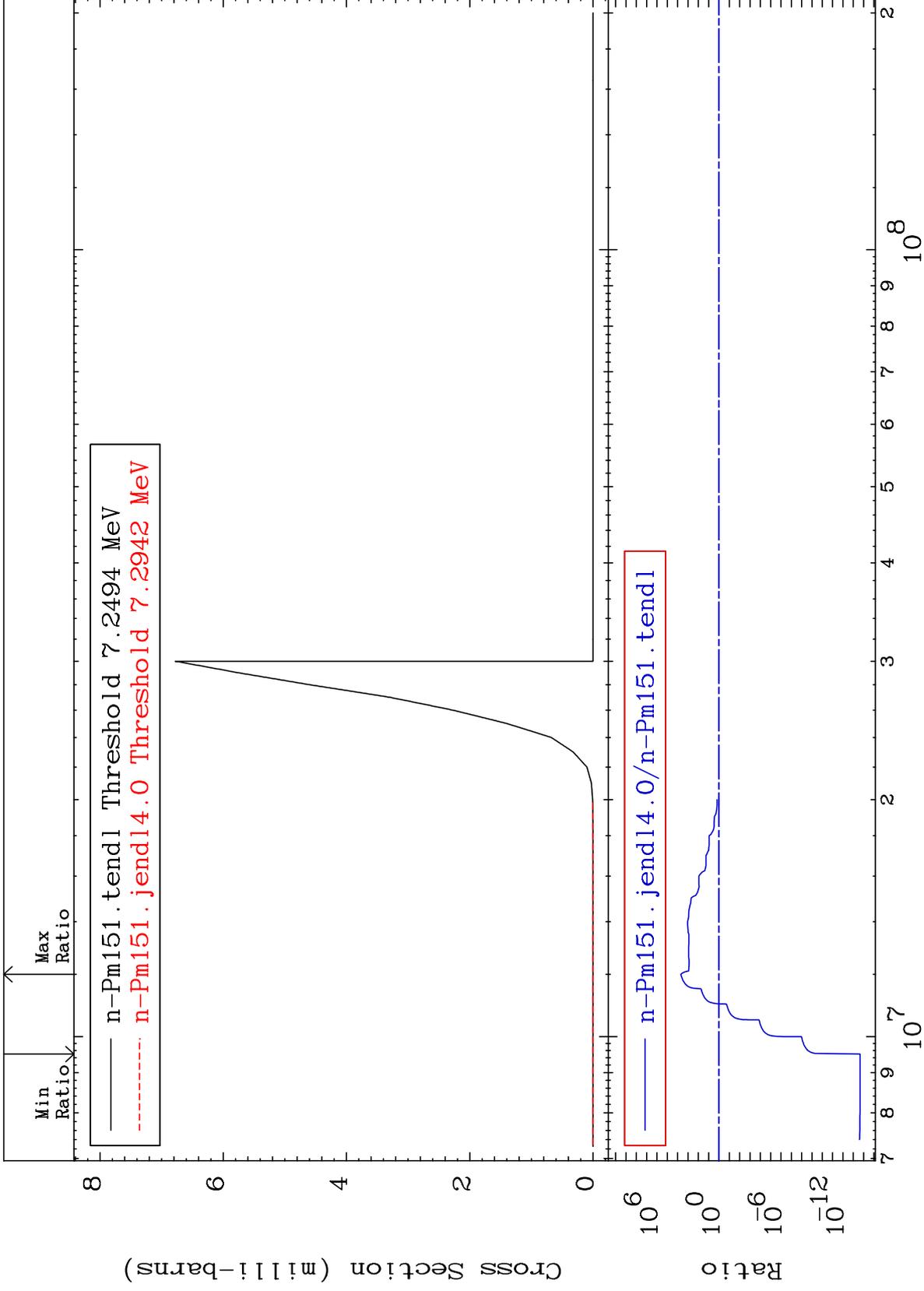
Incident Energy (eV)

61-Pm-151

MAT 6161

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

61-Pm-151  
-100.0 To 9999. %



7

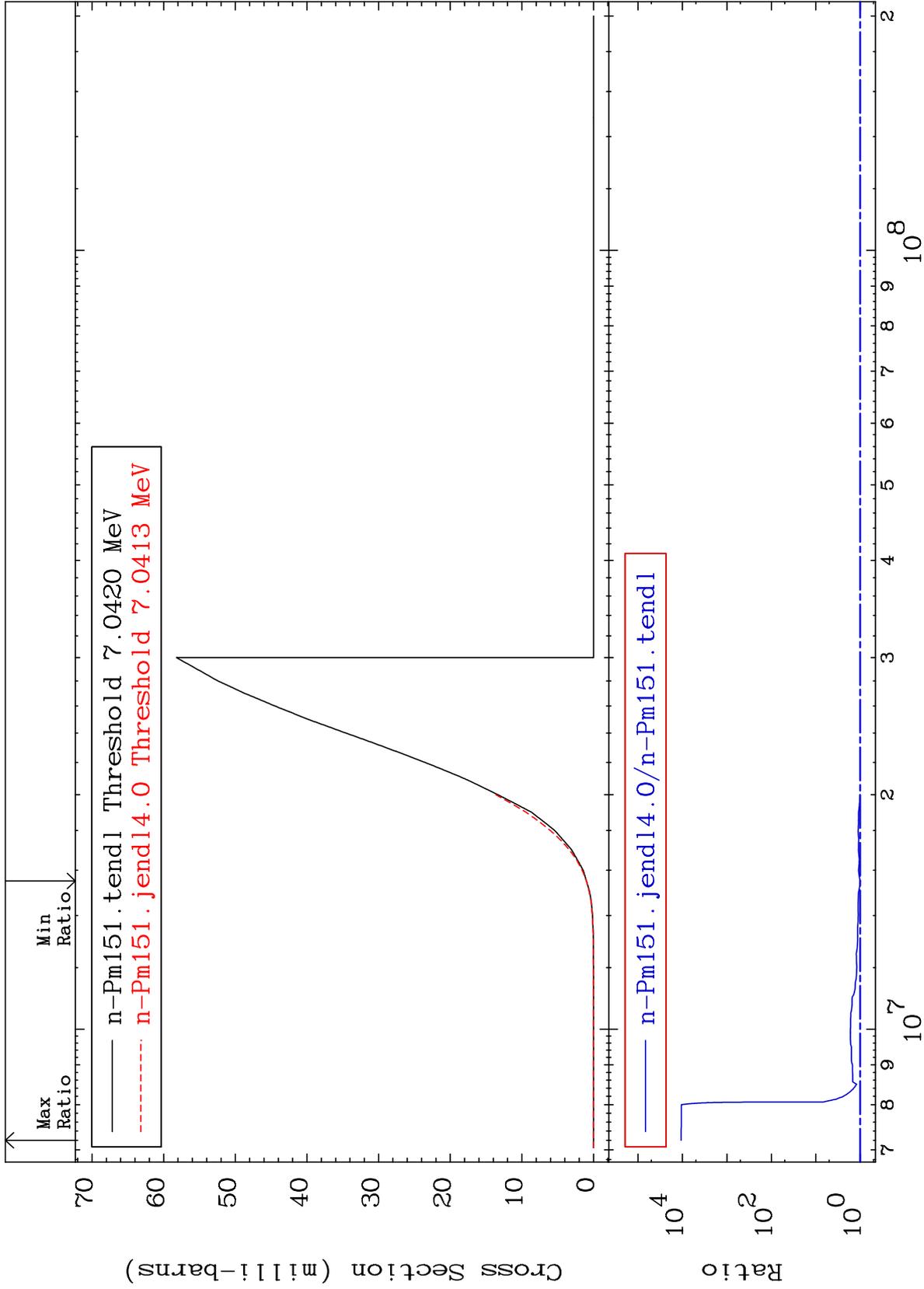
Incident Energy (eV)

61-Pm-151

MAT 6161

(n,n') p  
Cross Section

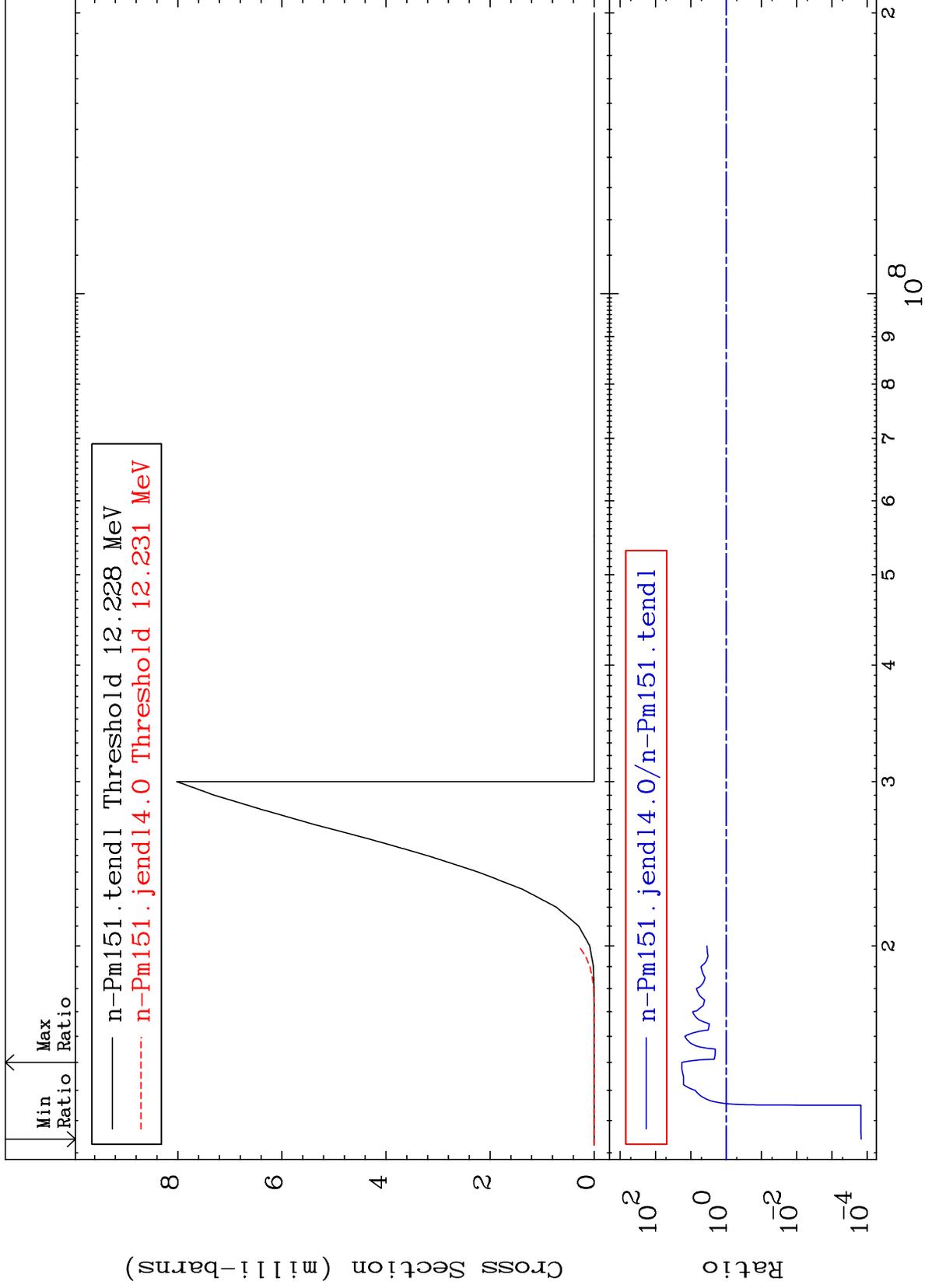
61-Pm-151  
0.256 To 9999. %



8

Incident Energy (eV)

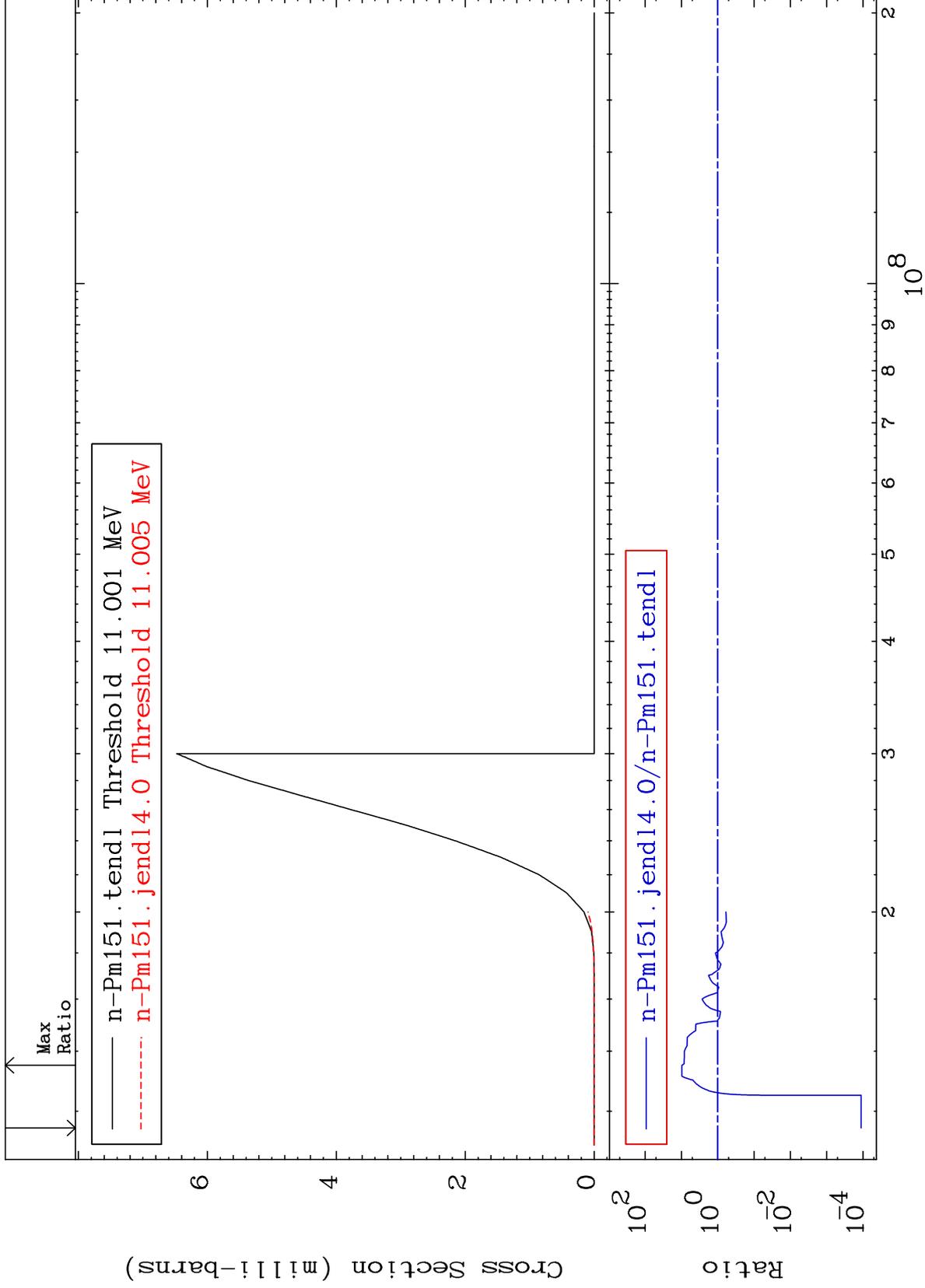
61-Pm-151



MAT 6161

(n,n') t  
Cross Section

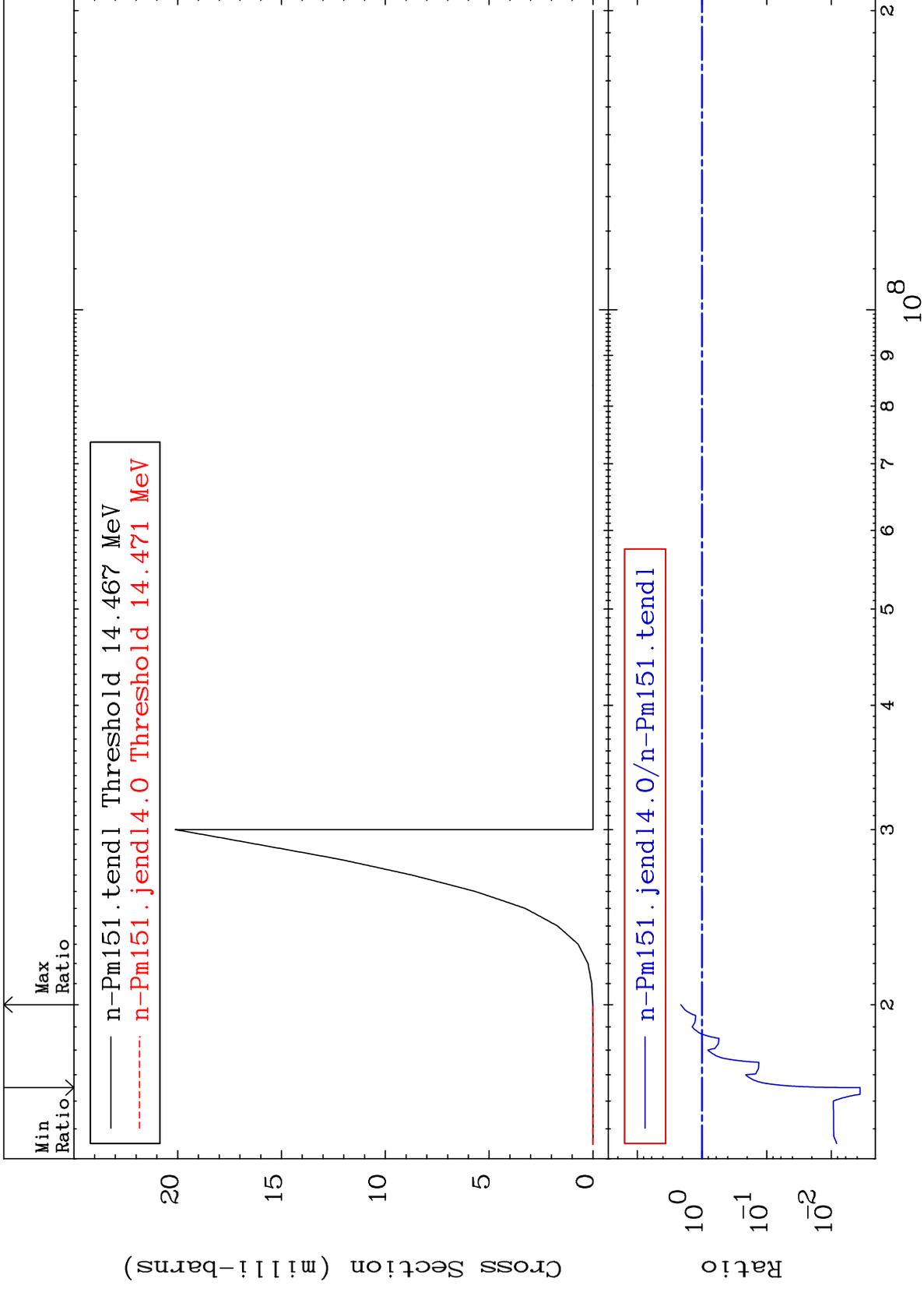
61-Pm-151  
-99.99 To 867.0 %



10

61-Pm-151

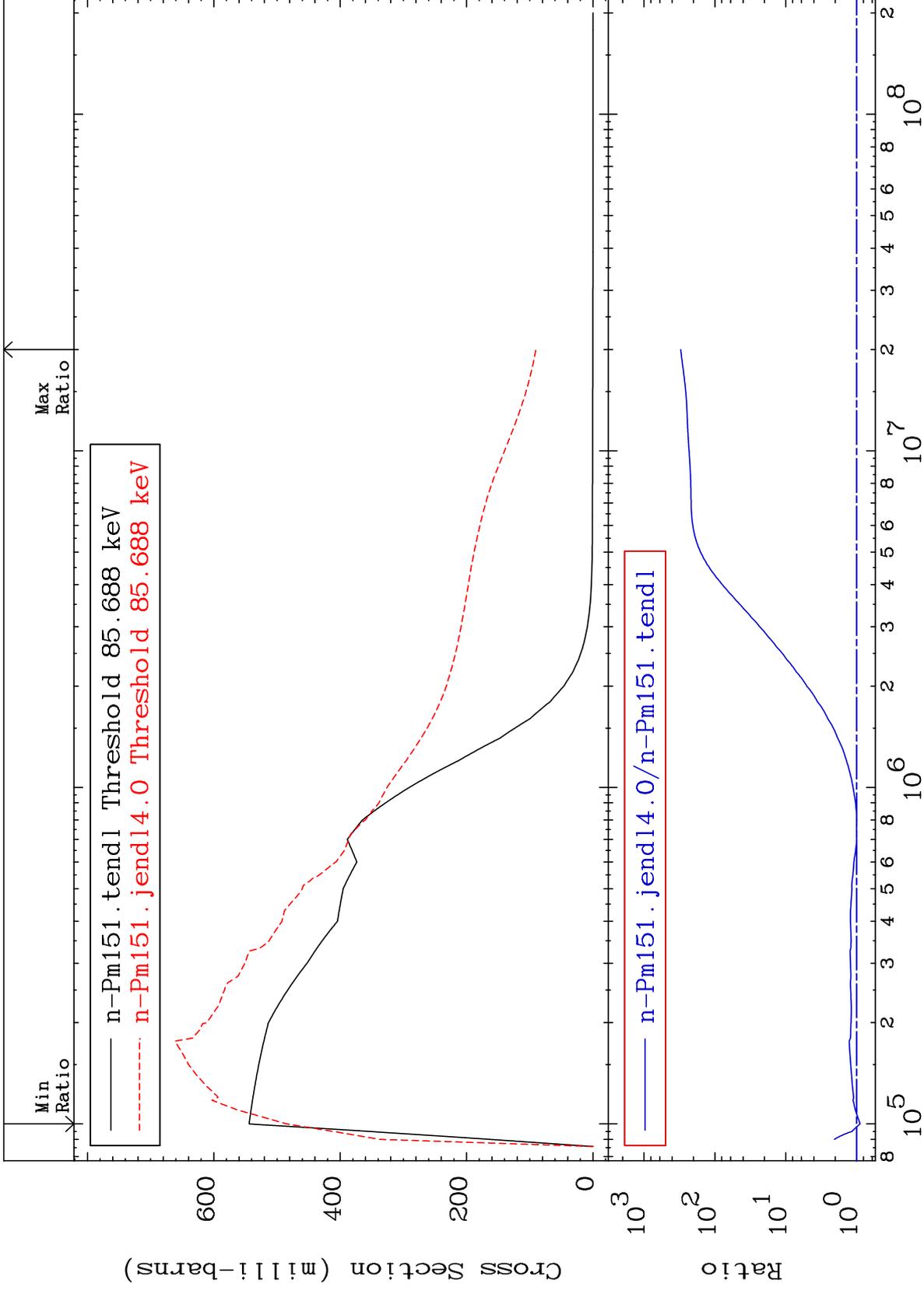
61-Pm-151



MAT 6161

MT= 51 (n,n') Level  
Cross Section

61-Pm-151  
-10.90 To 9999. %



12

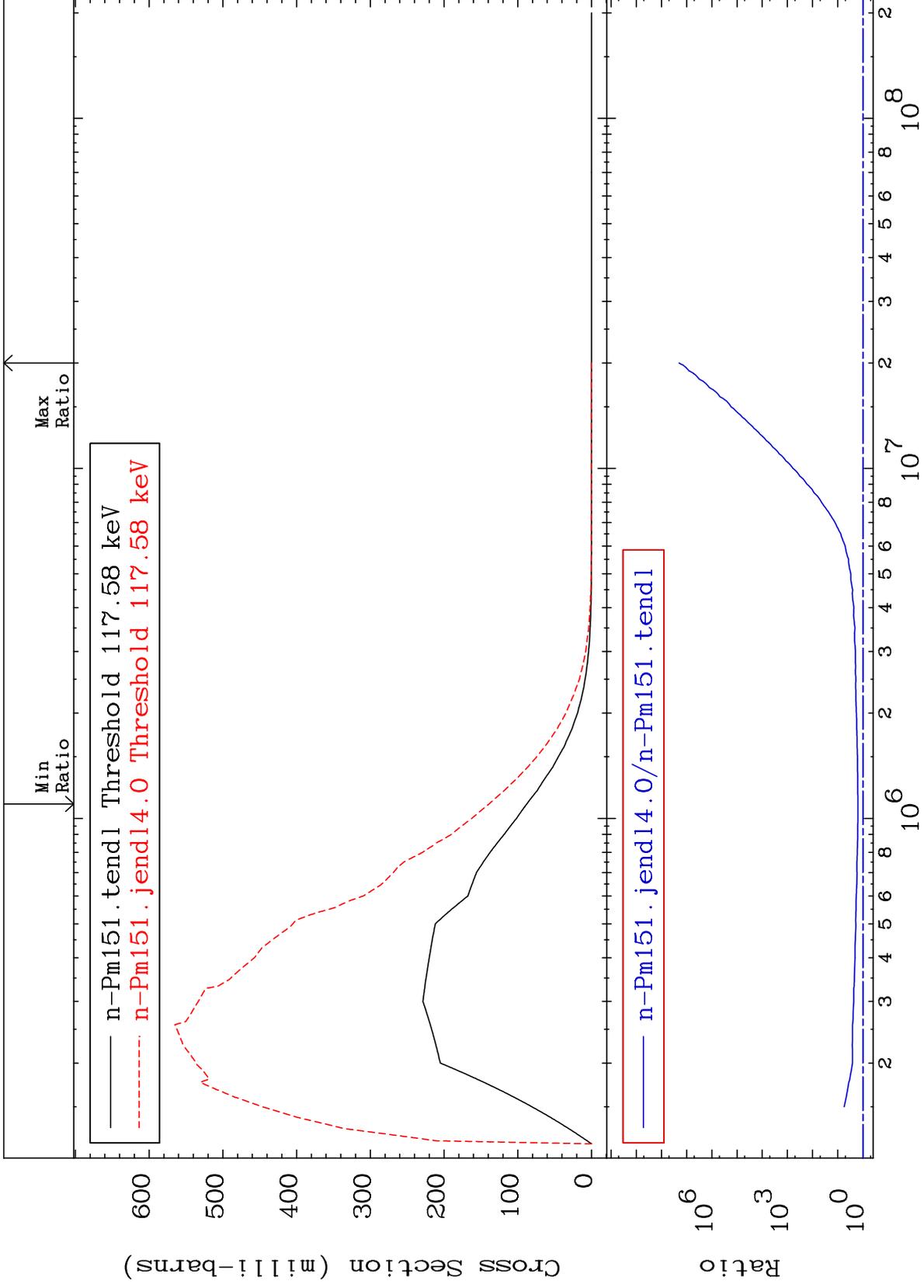
Incident Energy (eV)

61-Pm-151

MAT 6161

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

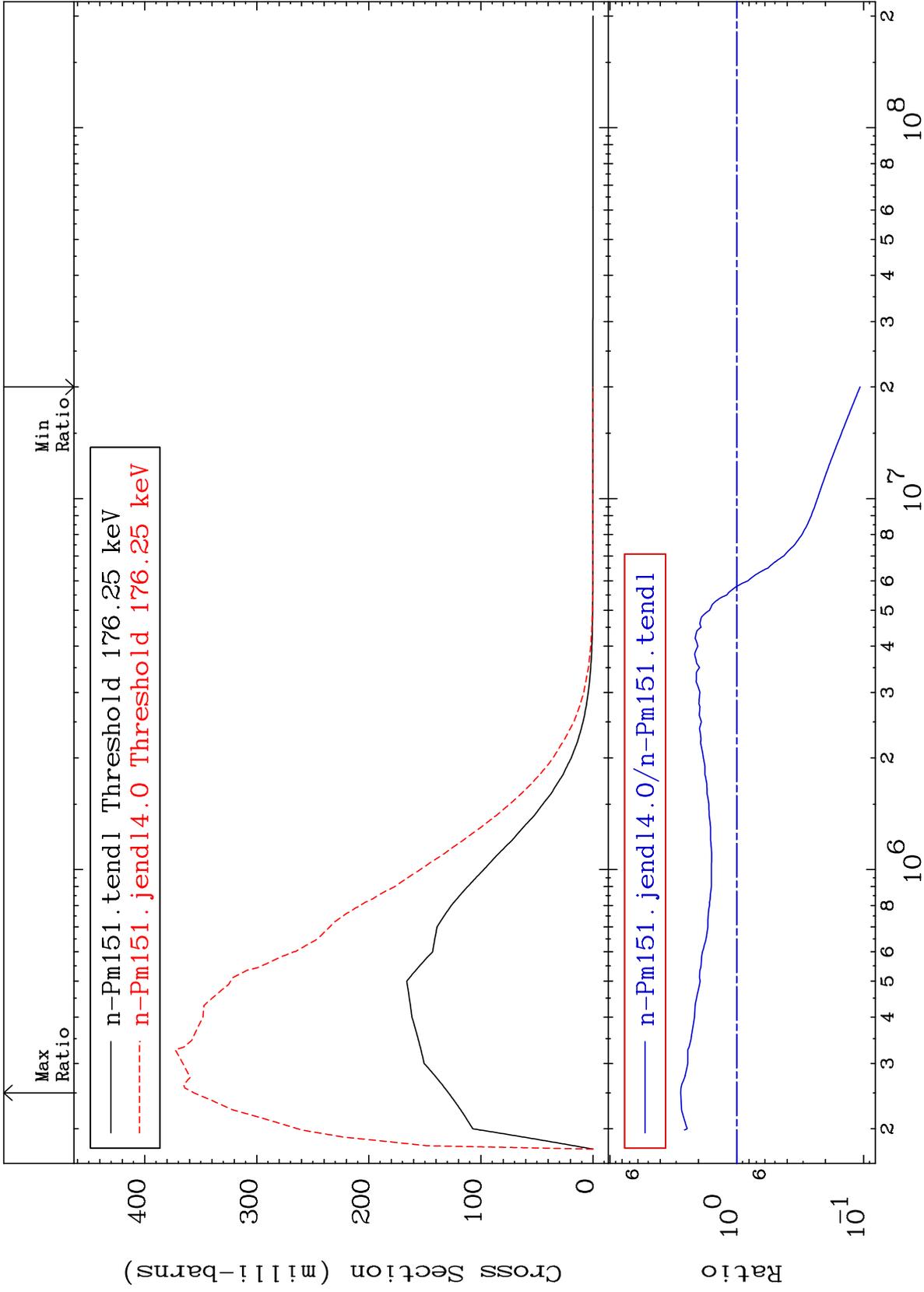
61-Pm-151  
58.32 To 9999. %



MAT 6161

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

61-Pm-151  
-89.34 To 176.1 %



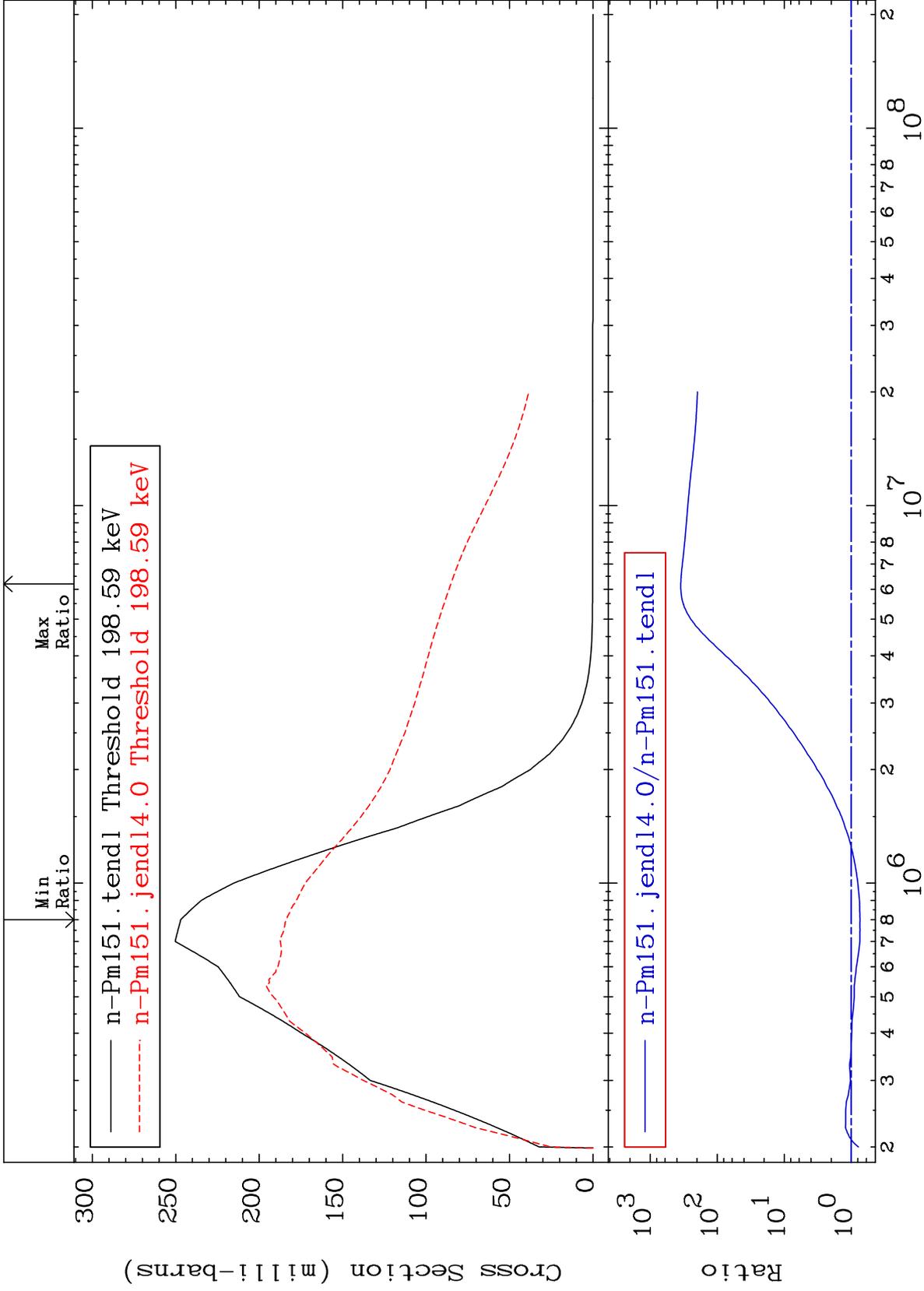
14

61-Pm-151

MAT 6161

MT= 54 (n,n') Level  
Cross Section

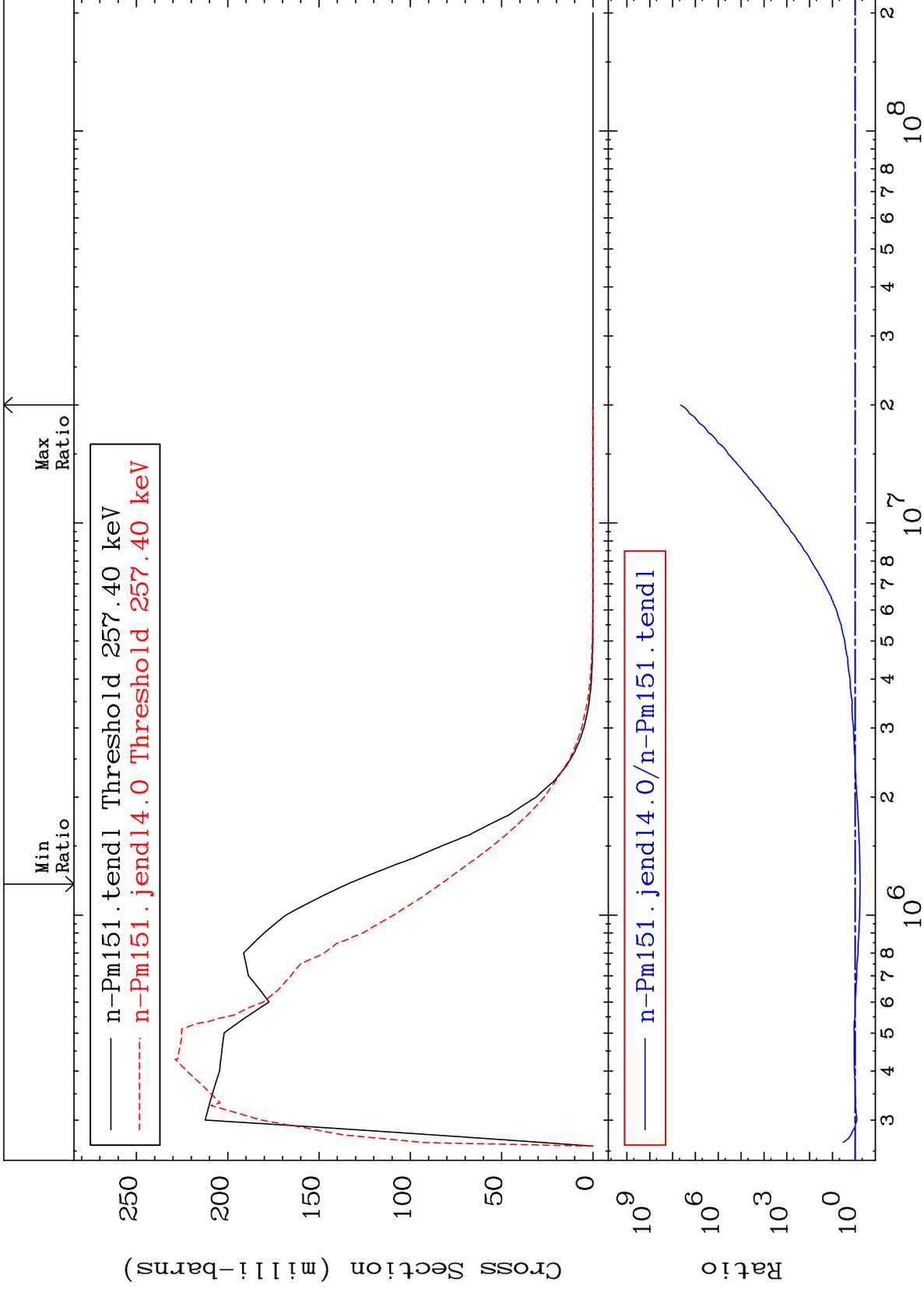
61-Pm-151  
-25.83 To 9999. %



MAT 6161

MT= 55 (n,n') Level  
Cross Section

61-Pm-151  
-38.04 To 9999. %



16

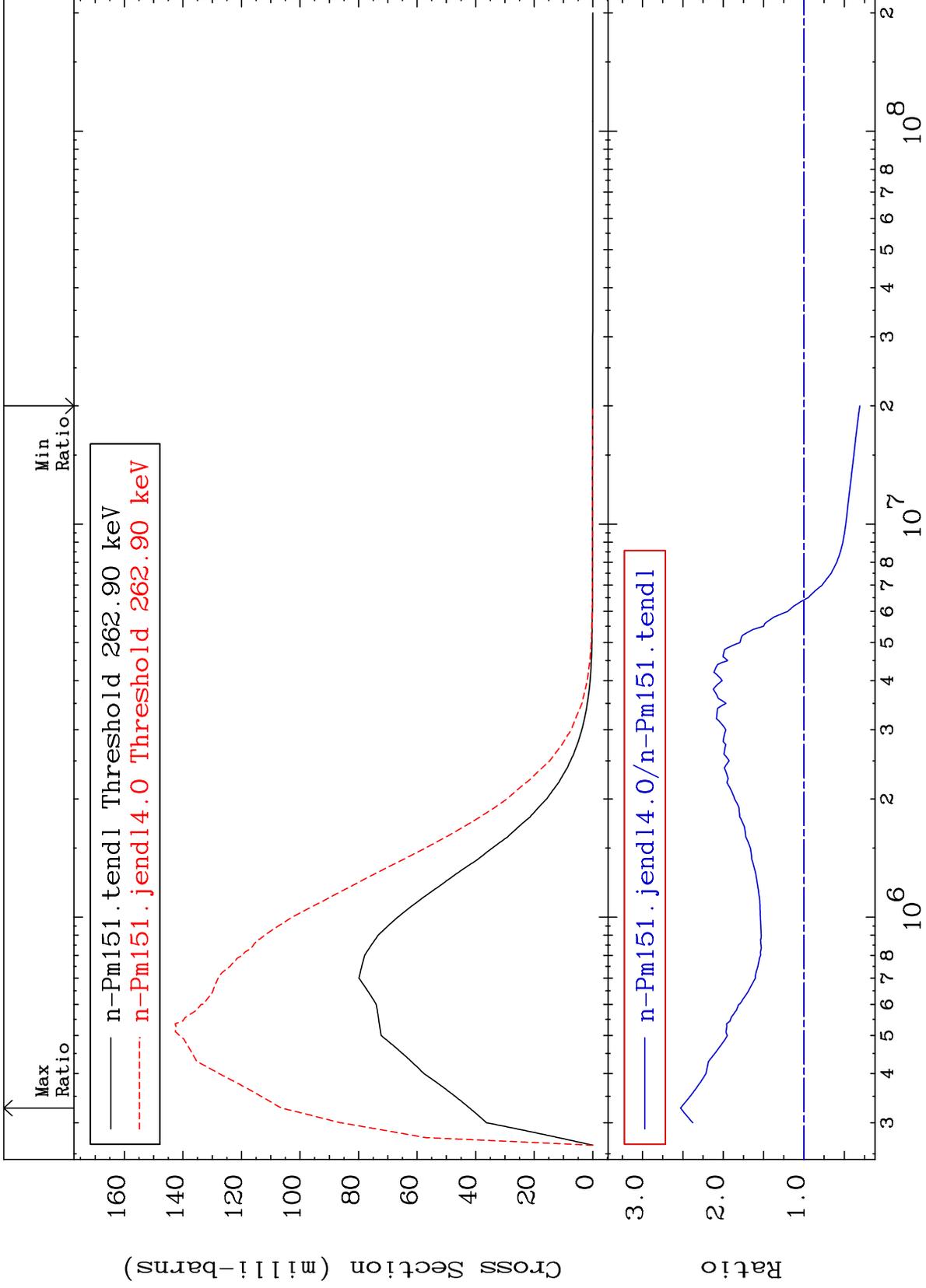
Incident Energy (eV)

61-Pm-151

MAT 6161

MT= 56 (n,n') Level  
Cross Section

61-Pm-151  
-69.16 To 152.9 %



17

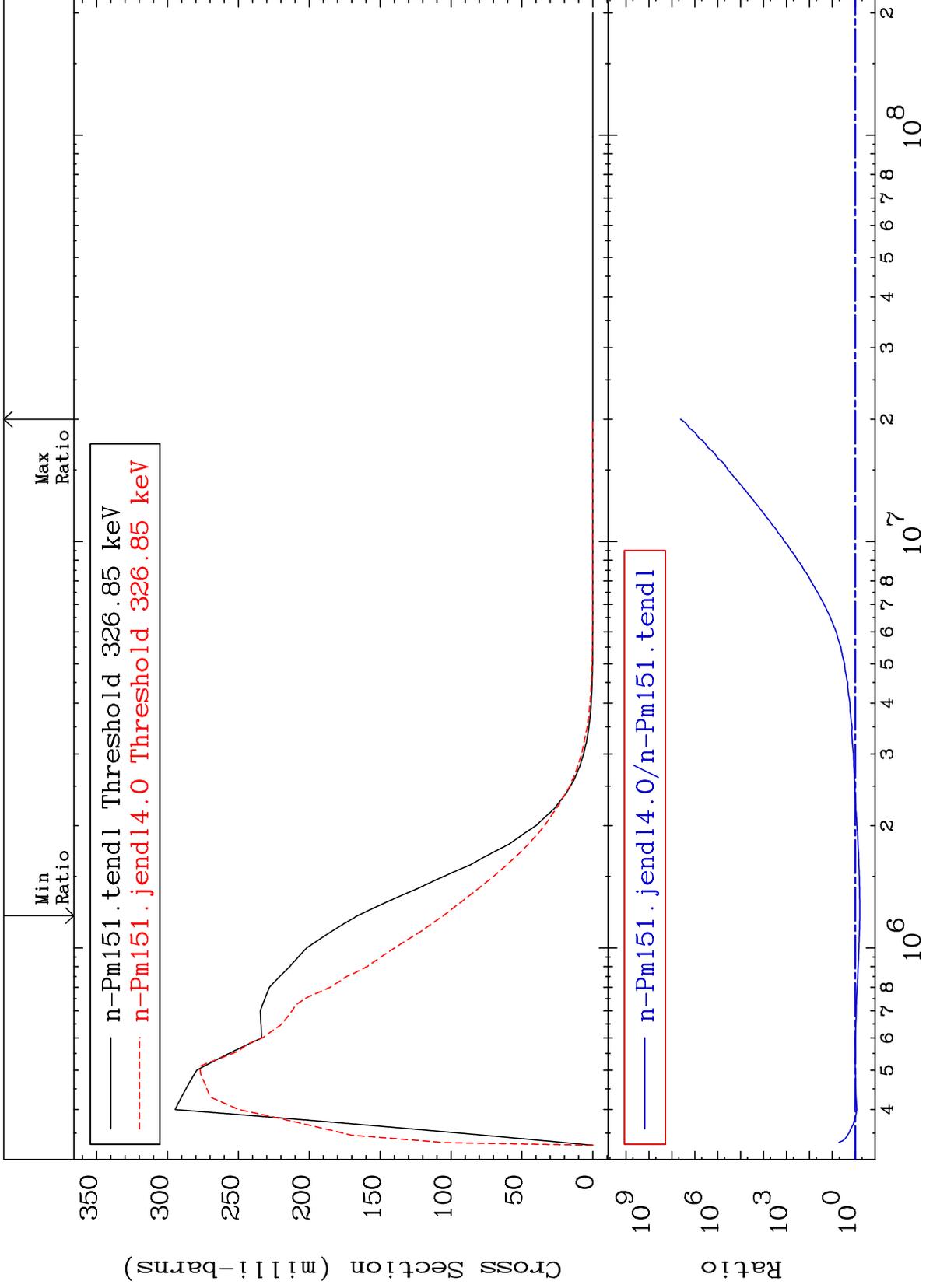
Incident Energy (eV)

61-Pm-151

MAT 6161

MT= 57 (n,n') Level  
Cross Section

61-Pm-151  
-36.53 To 9999. %



18

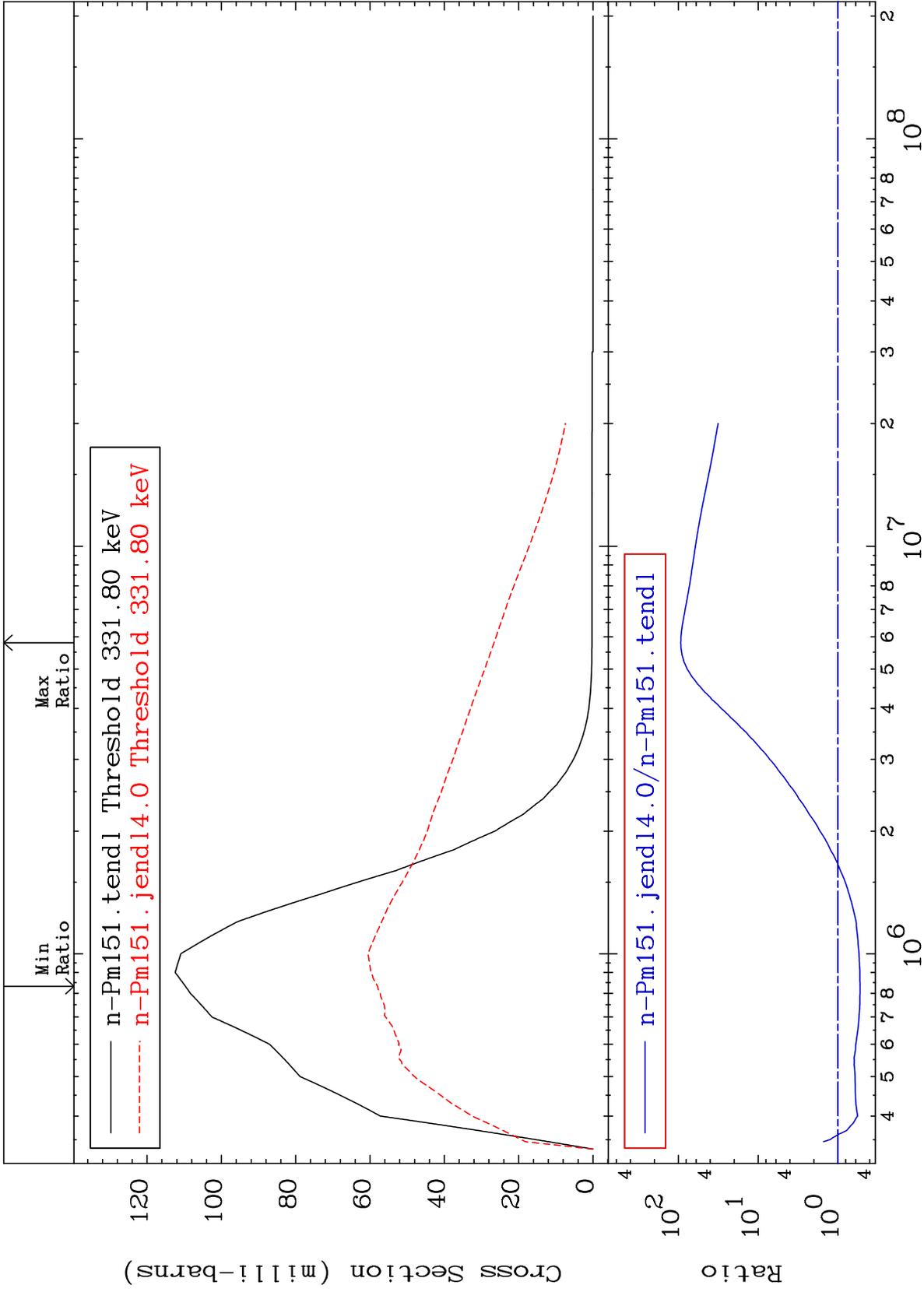
Incident Energy (eV)

61-Pm-151

MAT 6161

MT= 58 (n,n') Level  
Cross Section

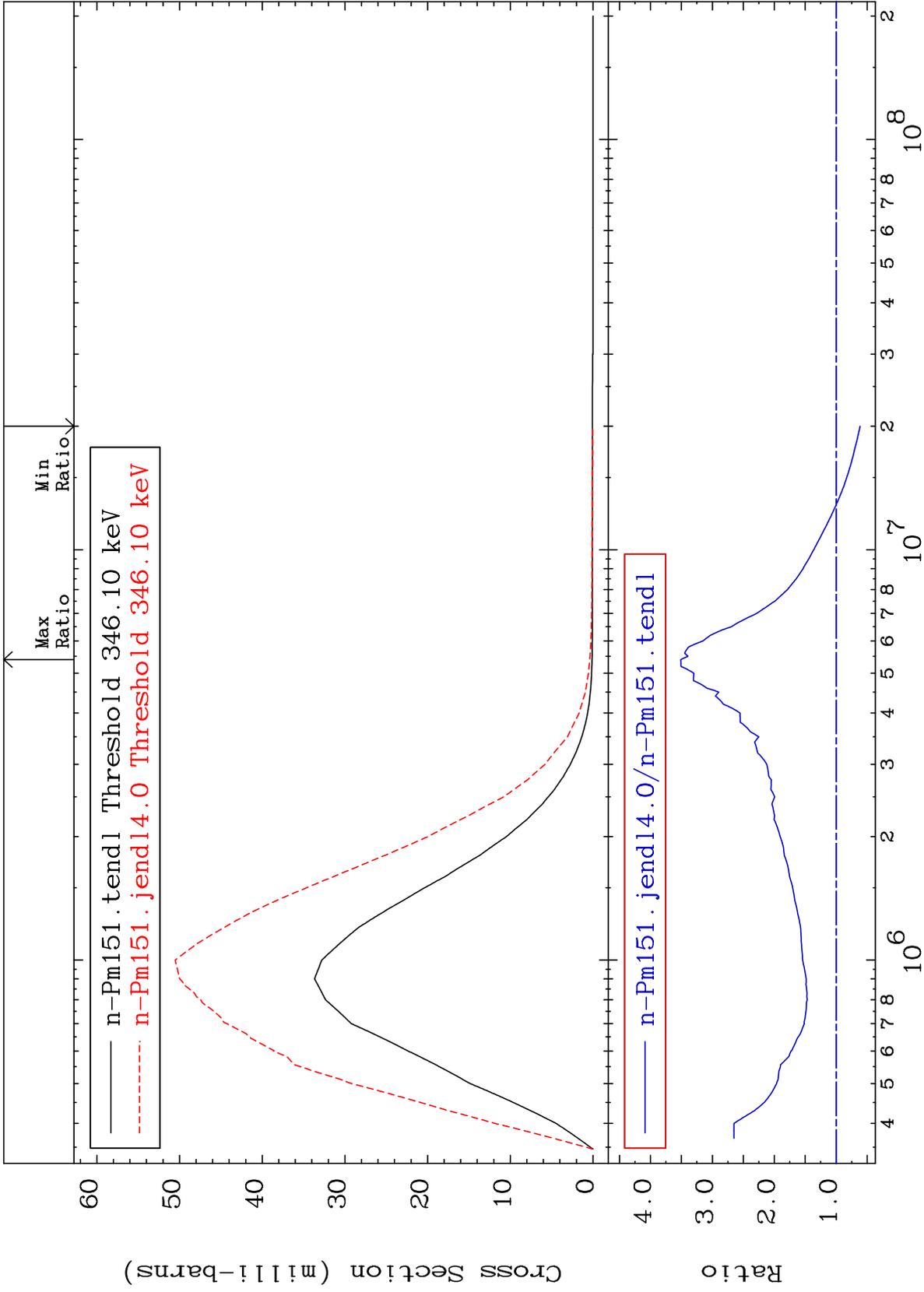
61-Pm-151  
-47.15 To 9255. %



MAT 6161

MT= 59 (n,n') Level  
Cross Section

61-Pm-151  
-38.60 To 251.0 %



20

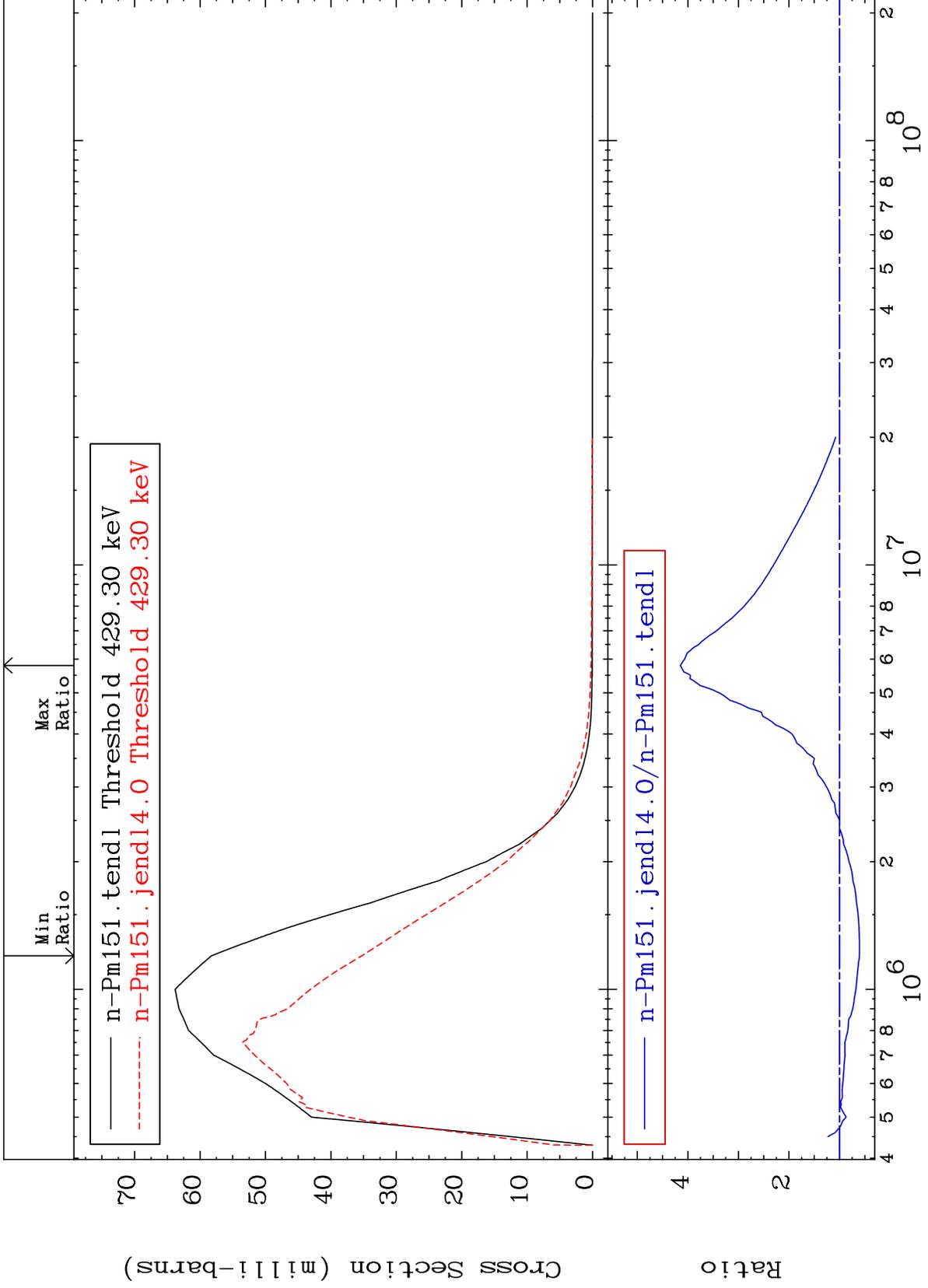
Incident Energy (eV)

61-Pm-151

MAT 6161

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

61-Pm-151  
-39.47 To 315.0 %



21

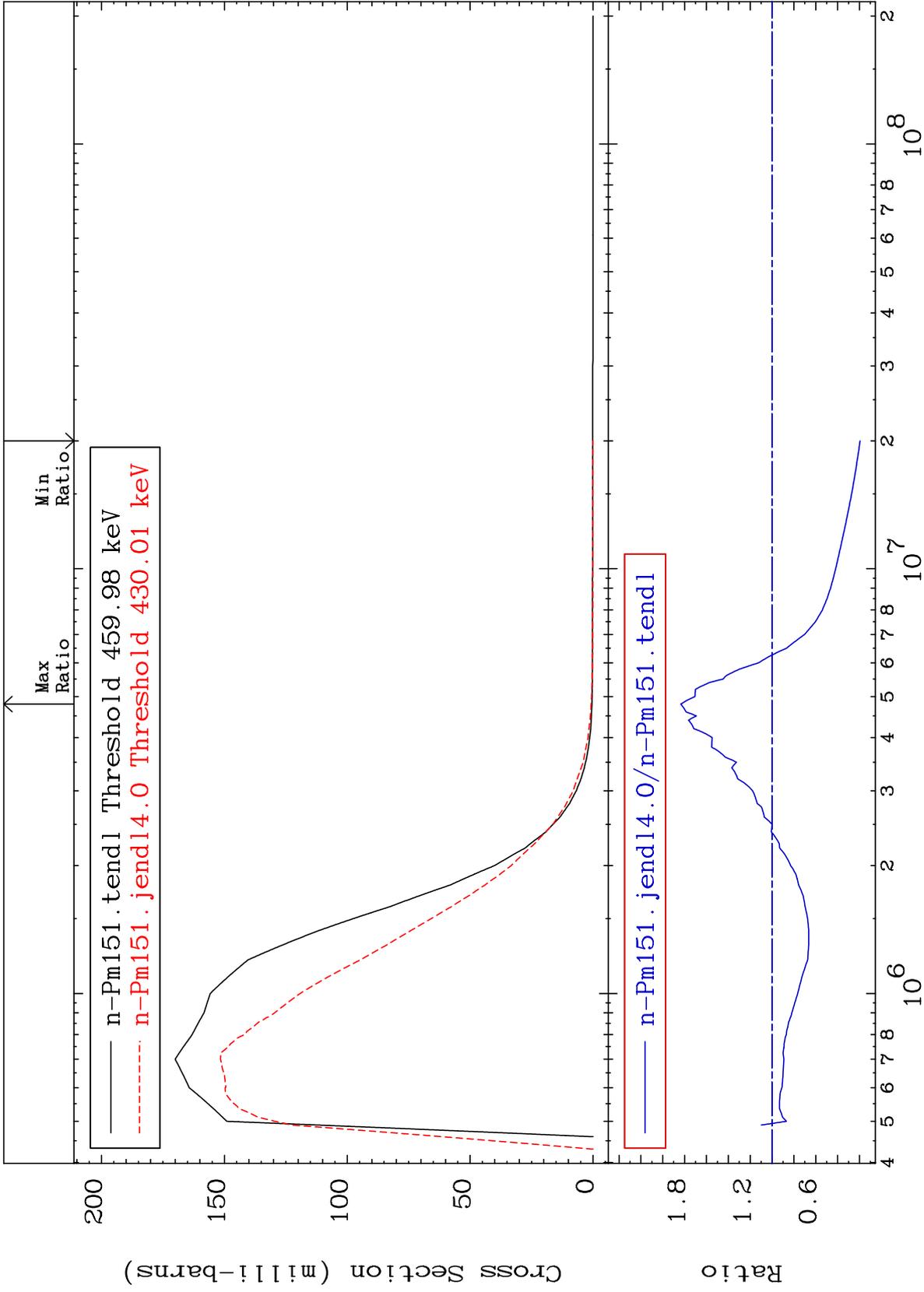
Incident Energy (eV)

61-Pm-151

MAT 6161

MT= 61 (n,n') Level  
Cross Section

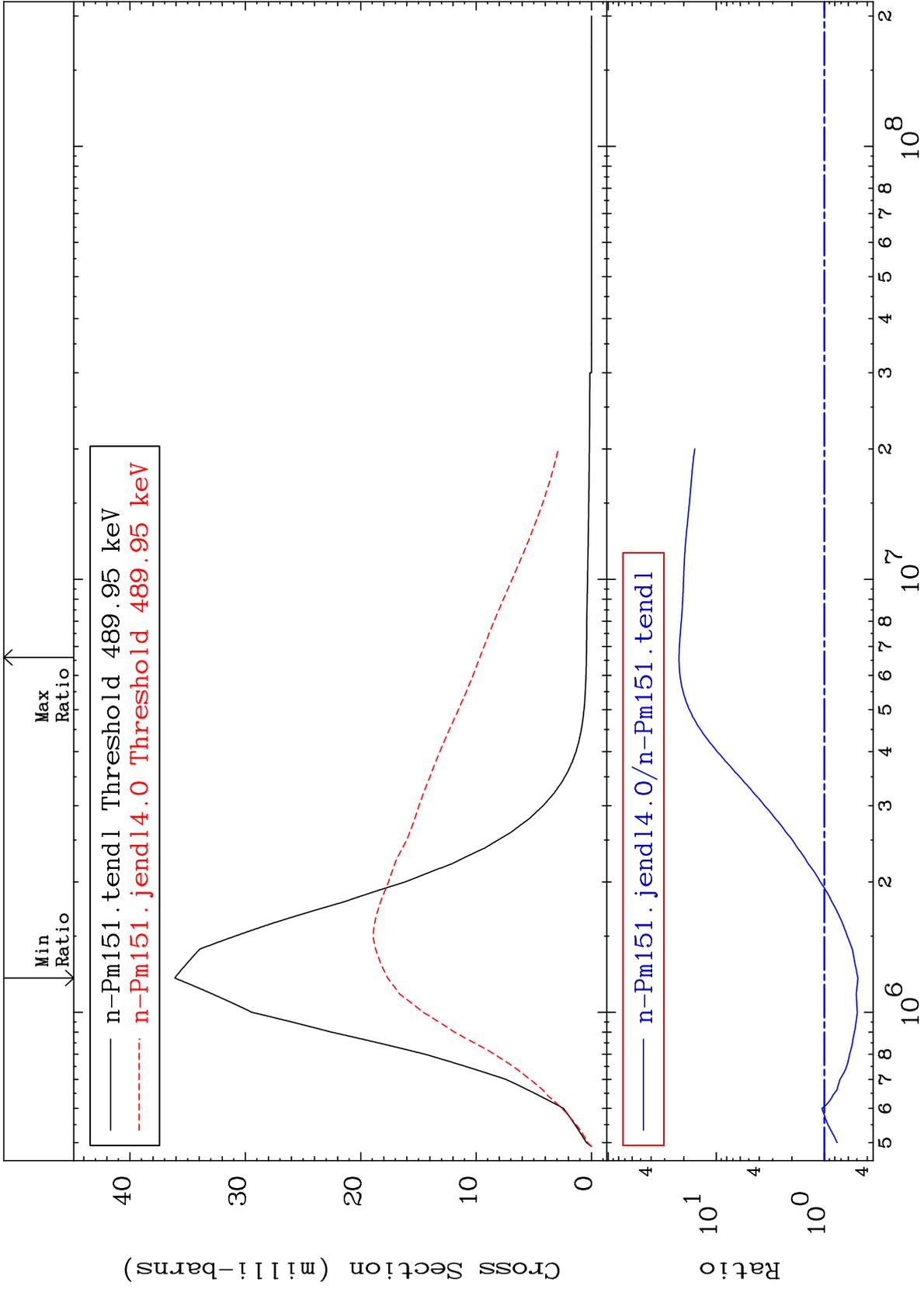
61-Pm-151  
-80.57 To 83.55 %



MAT 6161

MT= 62 (n,n') Level  
Cross Section

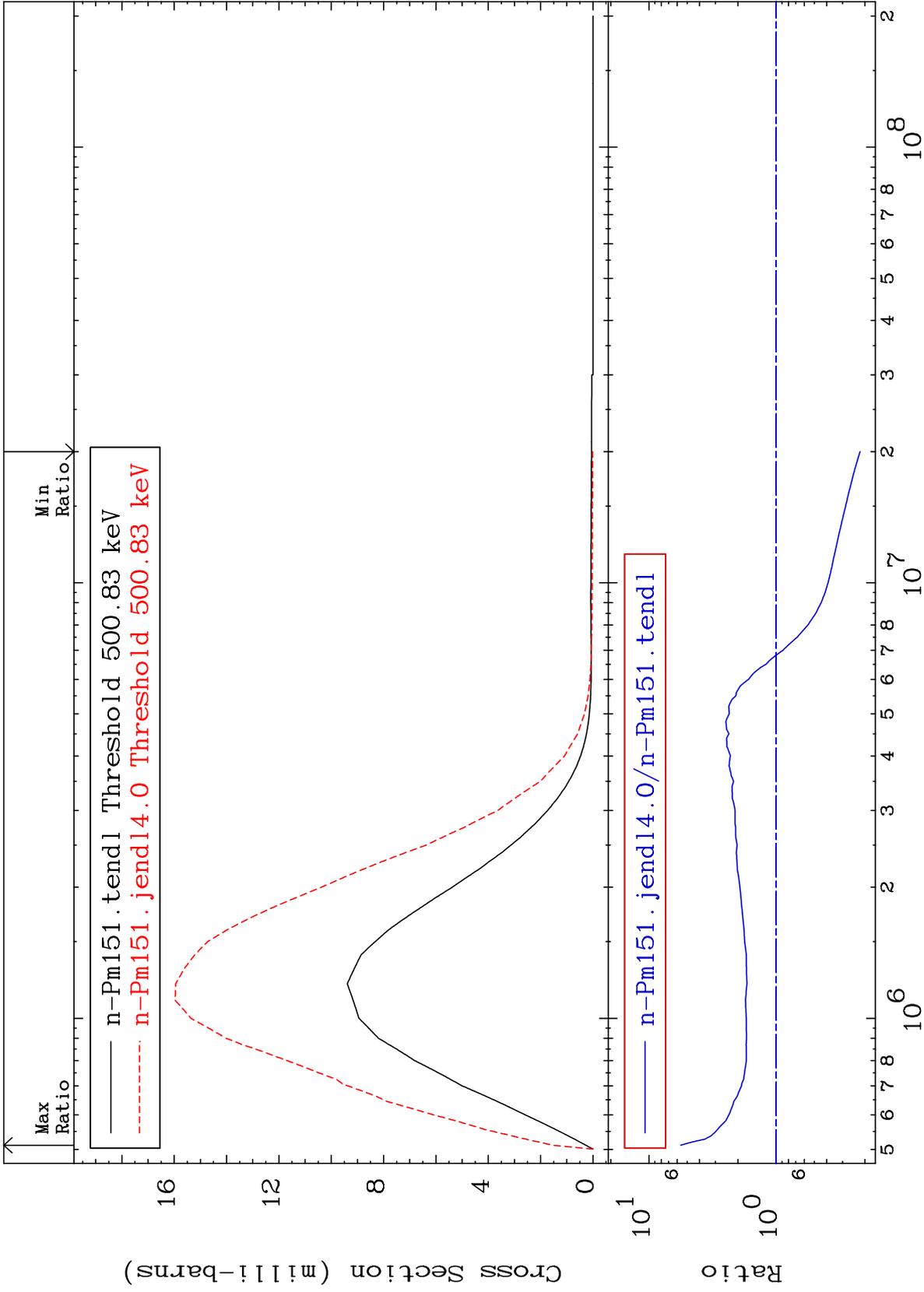
61-Pm-151  
-51.10 To 2108. %



MAT 6161

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

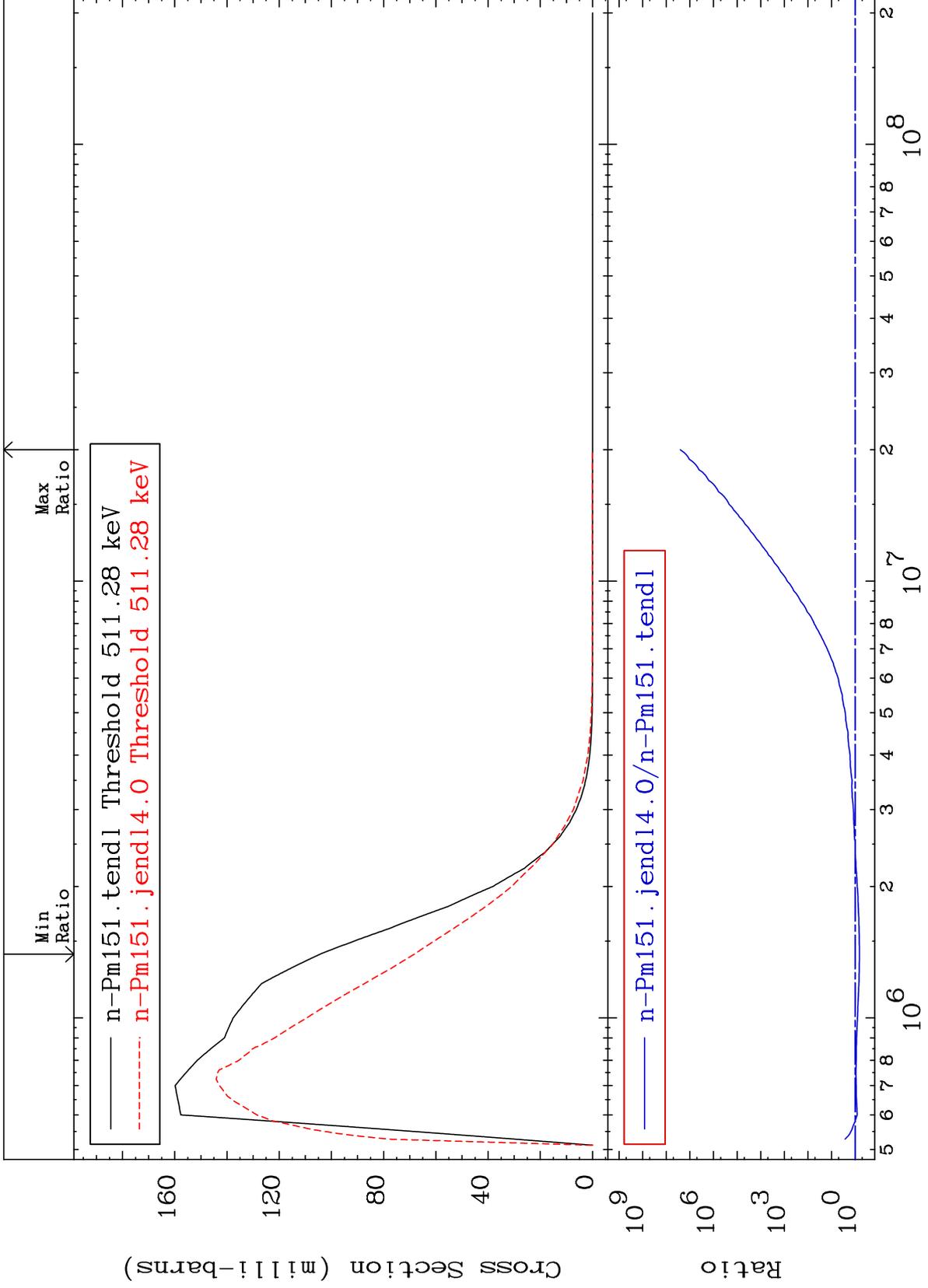
61-Pm-151  
-78.17 To 462.5 %



MAT 6161

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

61-Pm-151  
-34.63 To 9999. %



25

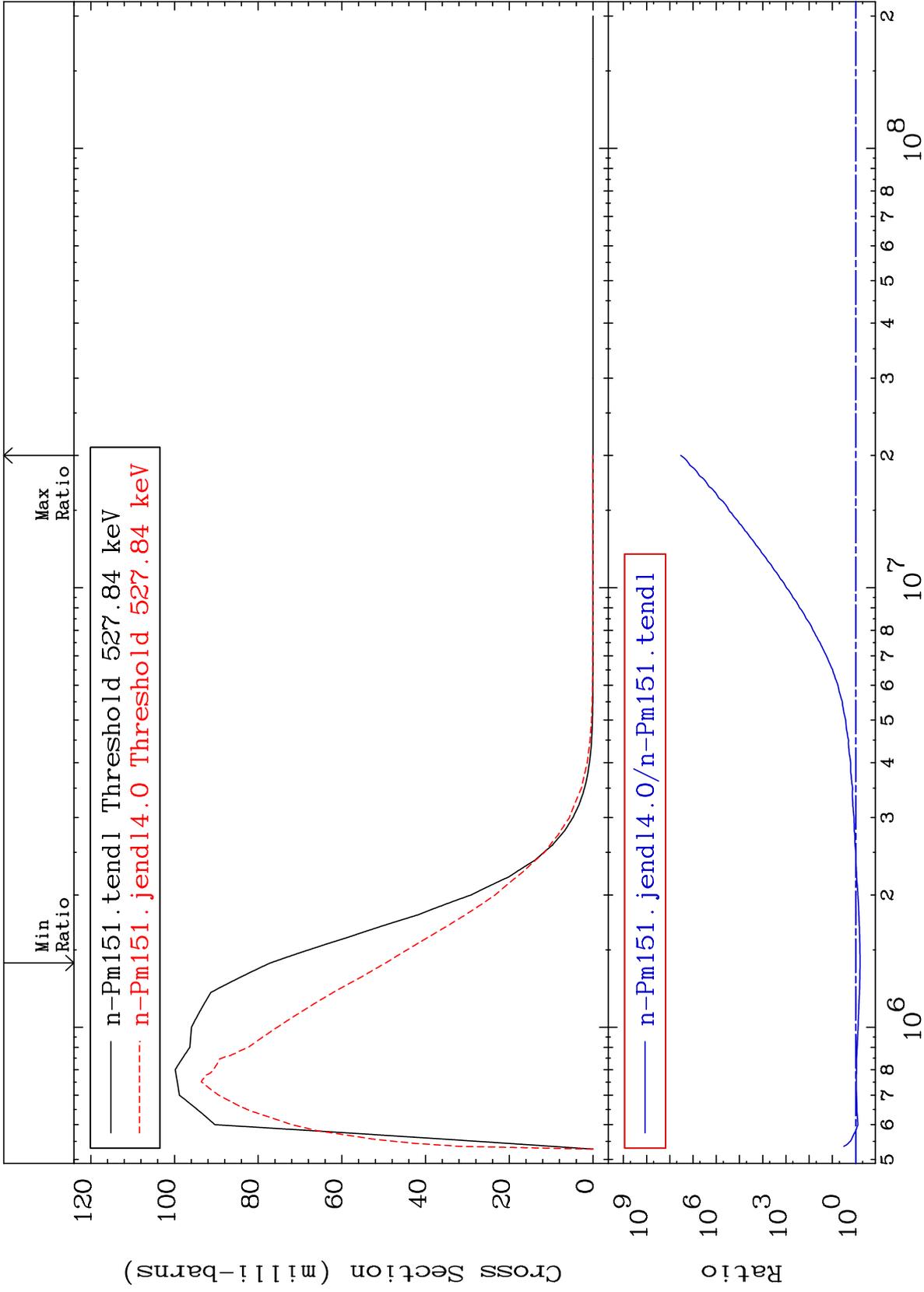
Incident Energy (eV)

61-Pm-151

MAT 6161

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

61-Pm-151  
-35.77 To 9999. %



26

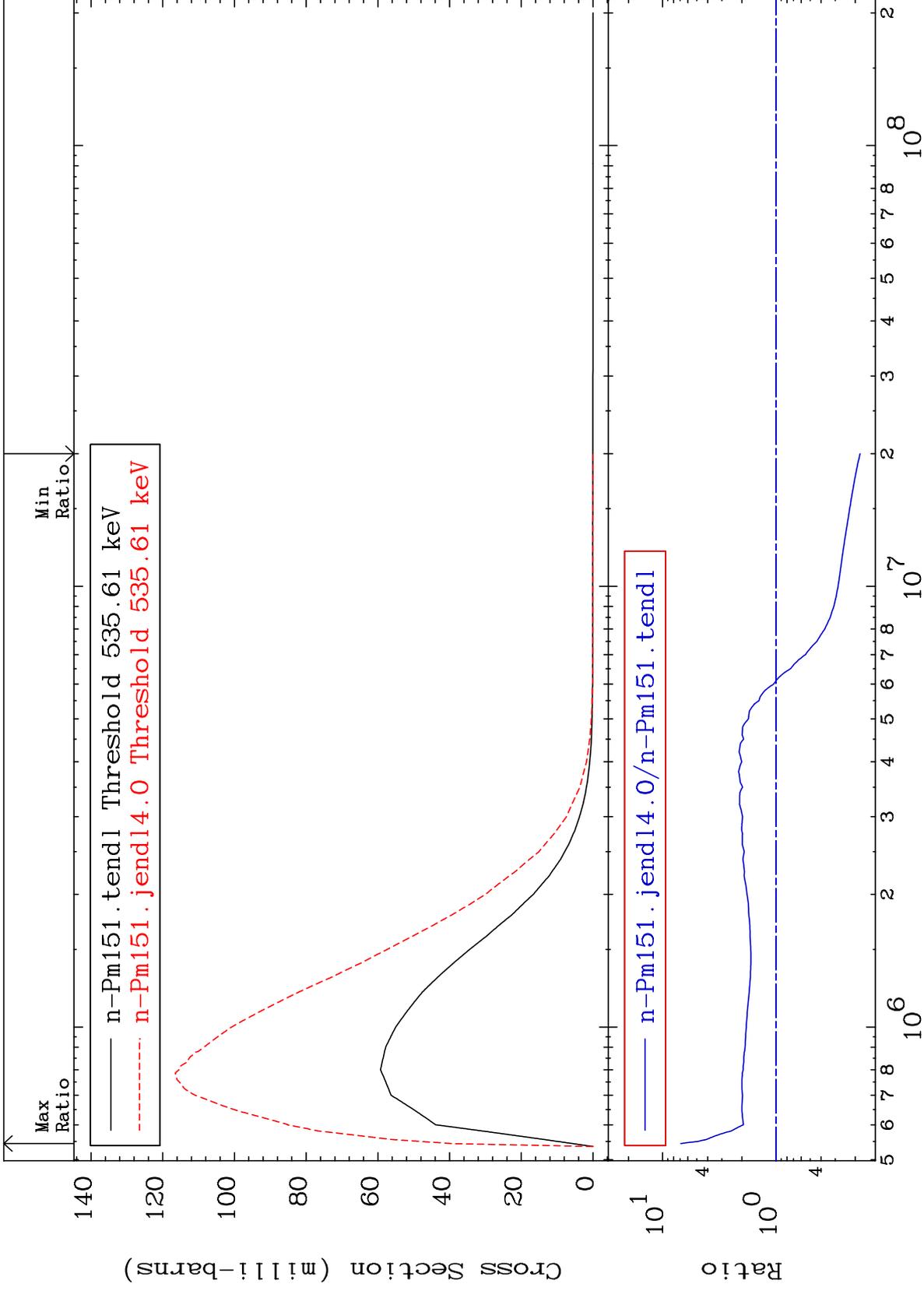
Incident Energy (eV)

61-Pm-151

MAT 6161

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

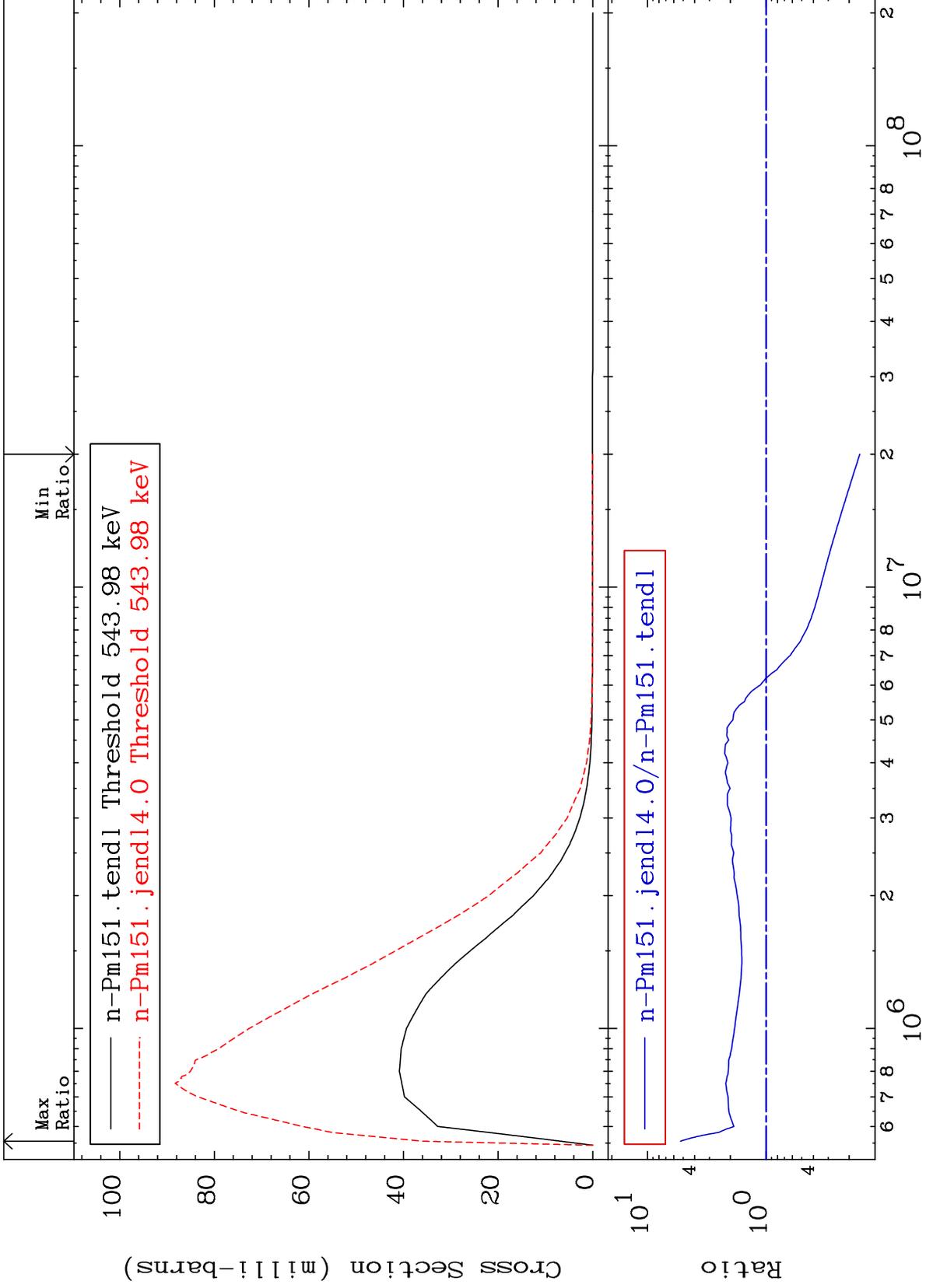
61-Pm-151  
-81.88 To 591.9 %



MAT 6161

MT= 67 (n,n') Level  
Cross Section

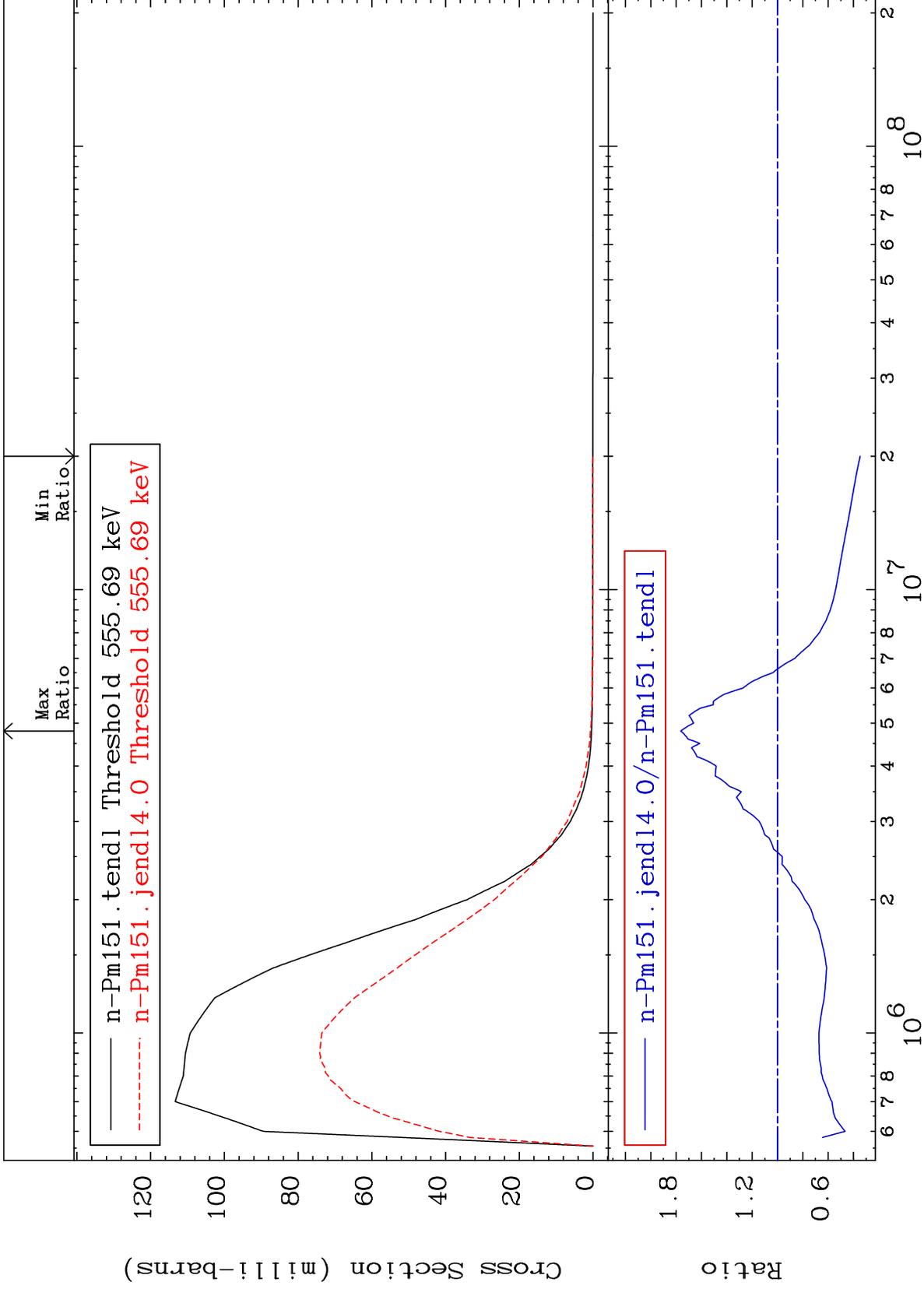
61-Pm-151  
-83.76 To 426.8 %



MAT 6161

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

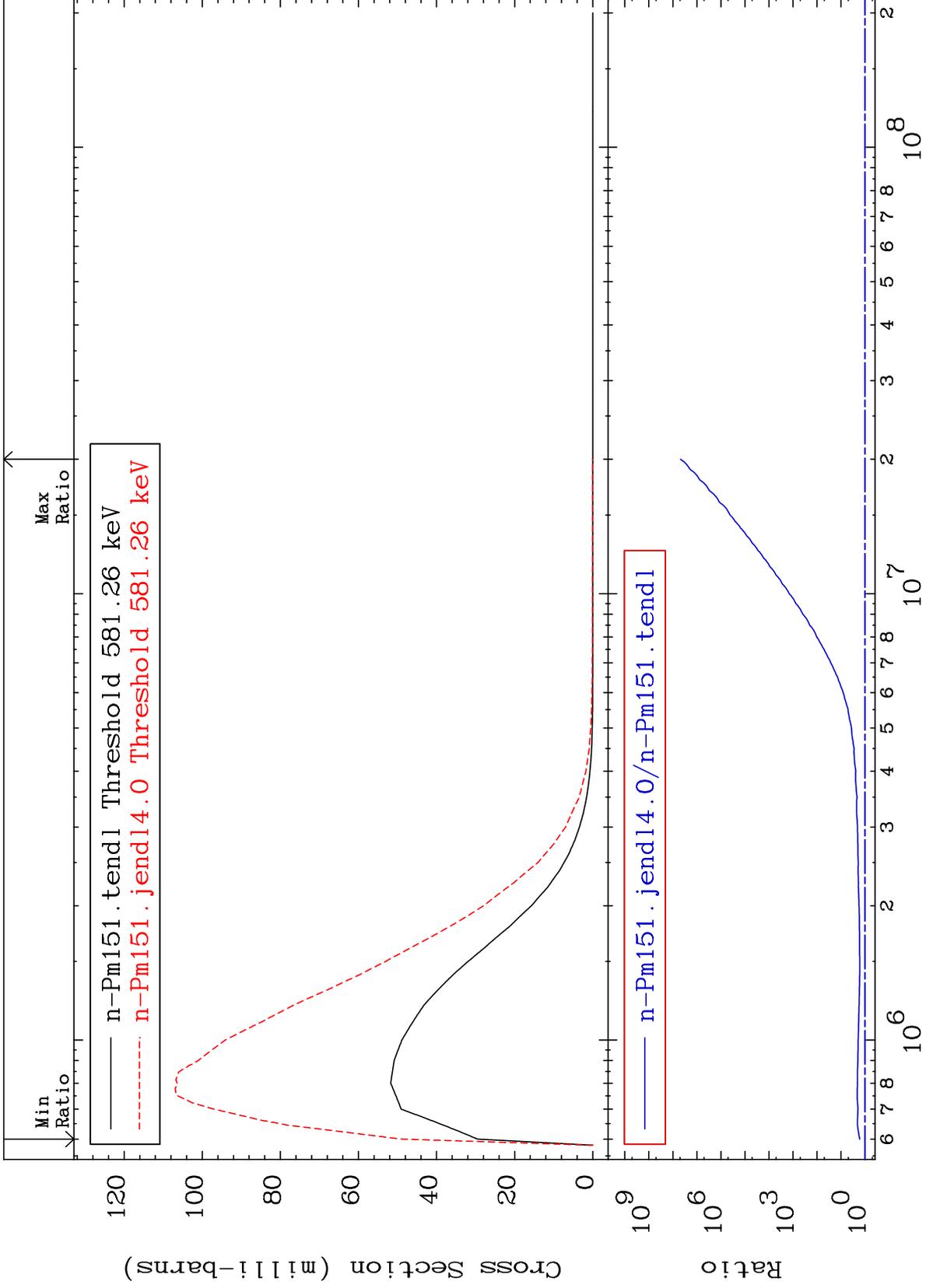
61-Pm-151  
-65.21 To 76.33 %



MAT 6161

MT= 69 (n,n') Level  
Cross Section

61-Pm-151  
65.32 To 9999. %

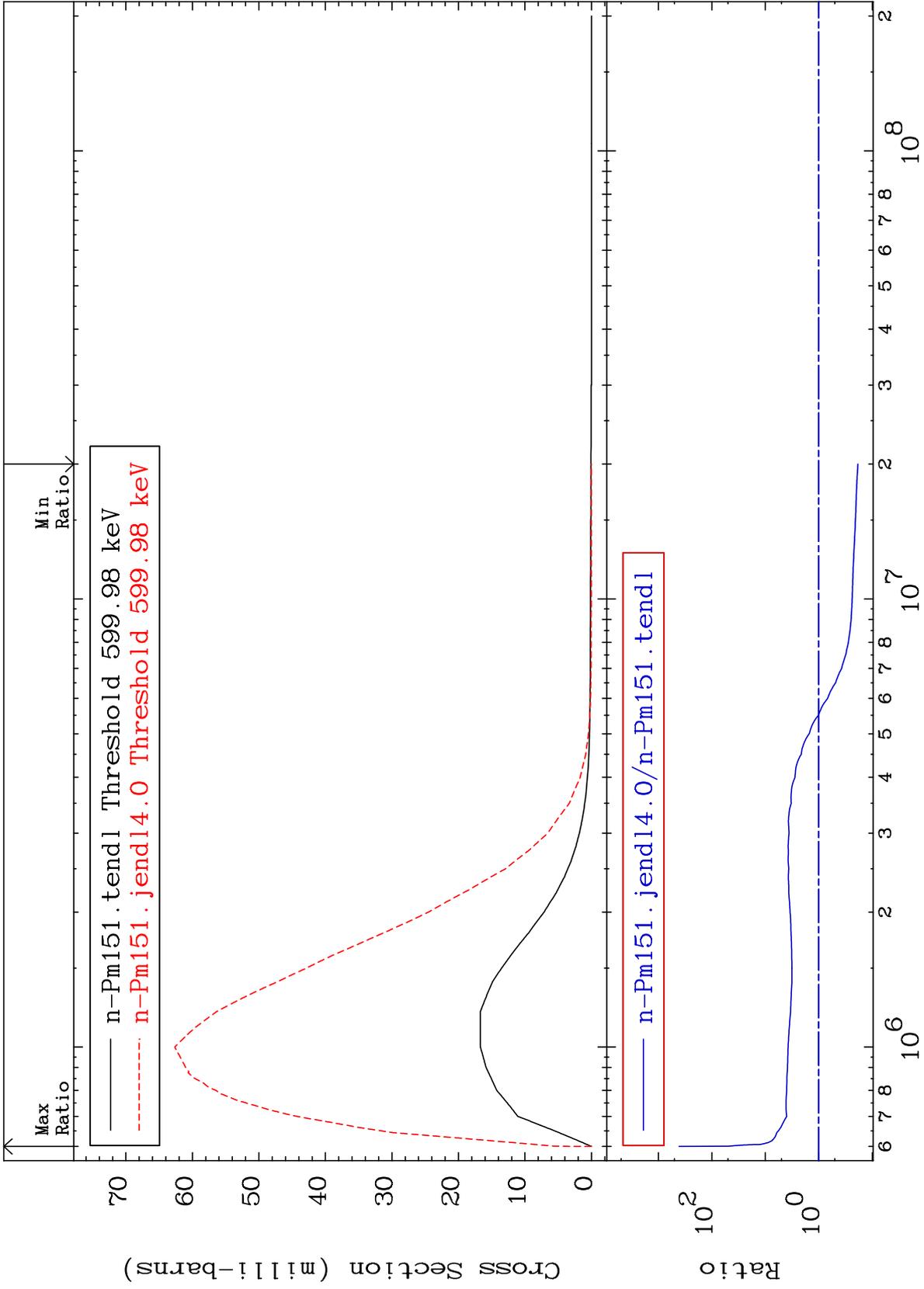


30

MAT 6161

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

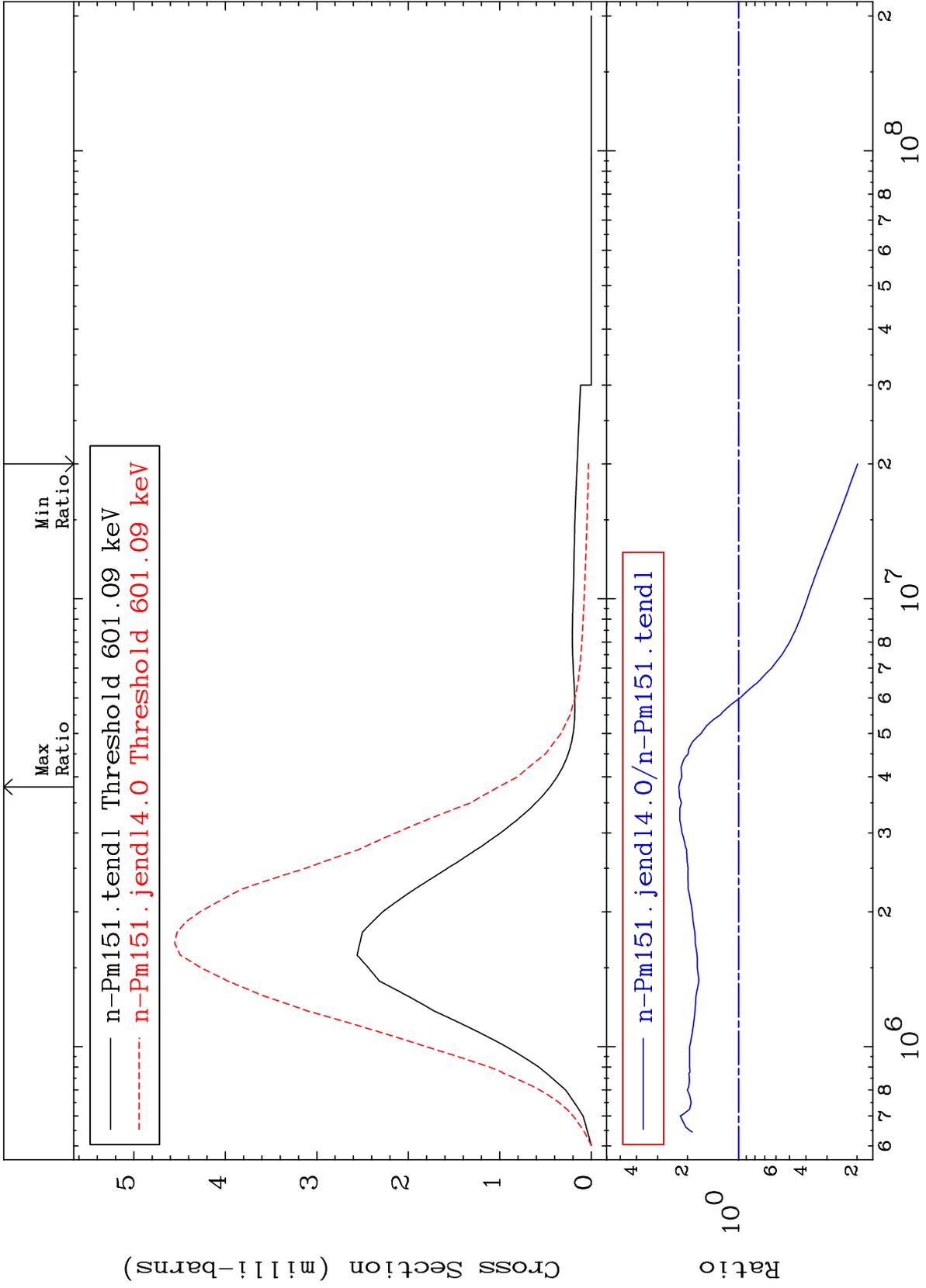
61-Pm-151  
-81.49 To 9999. %



MAT 6161

MT= 71 (n,n') Level  
Cross Section

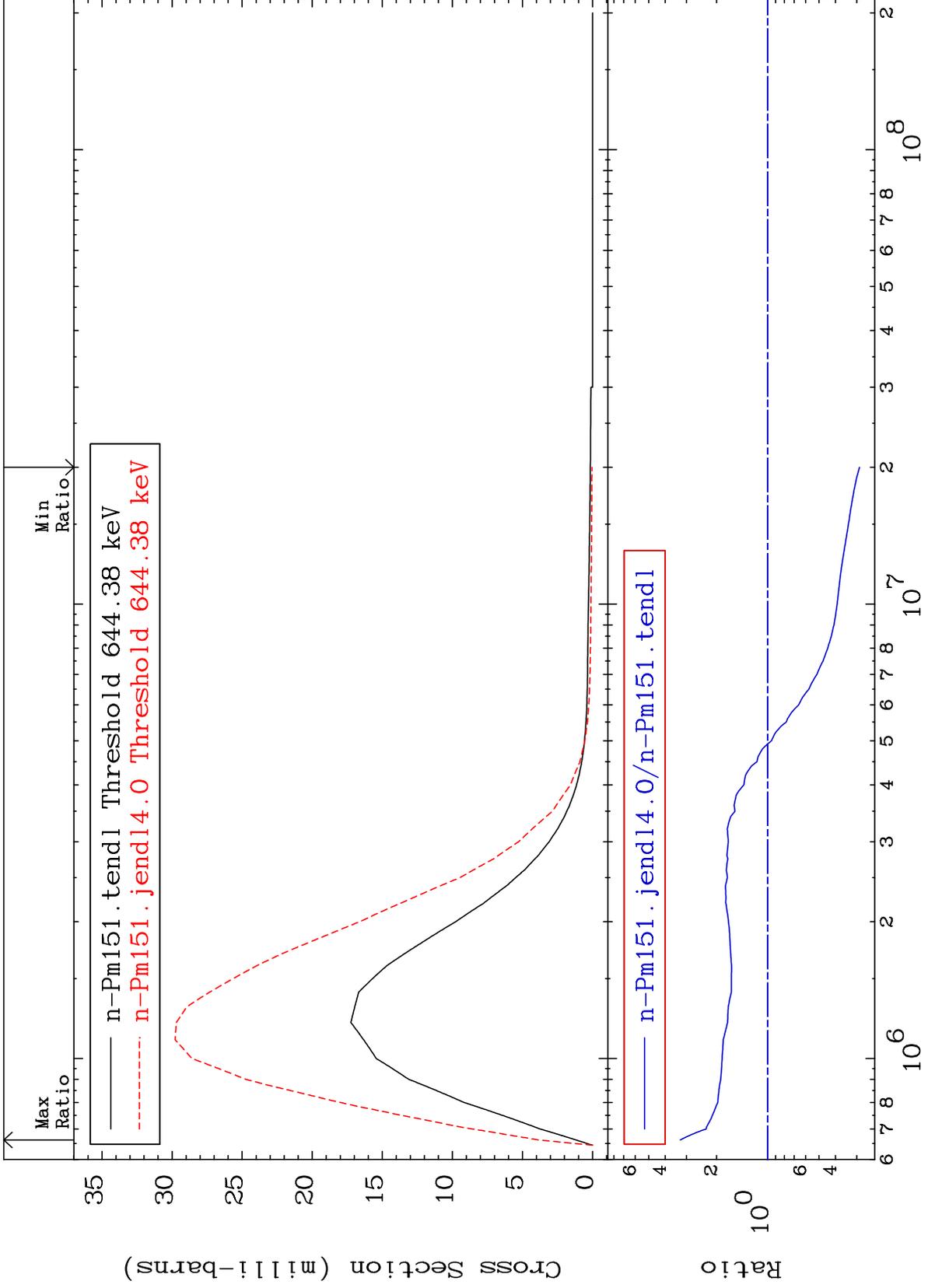
61-Pm-151  
-80.19 To 125.2 %

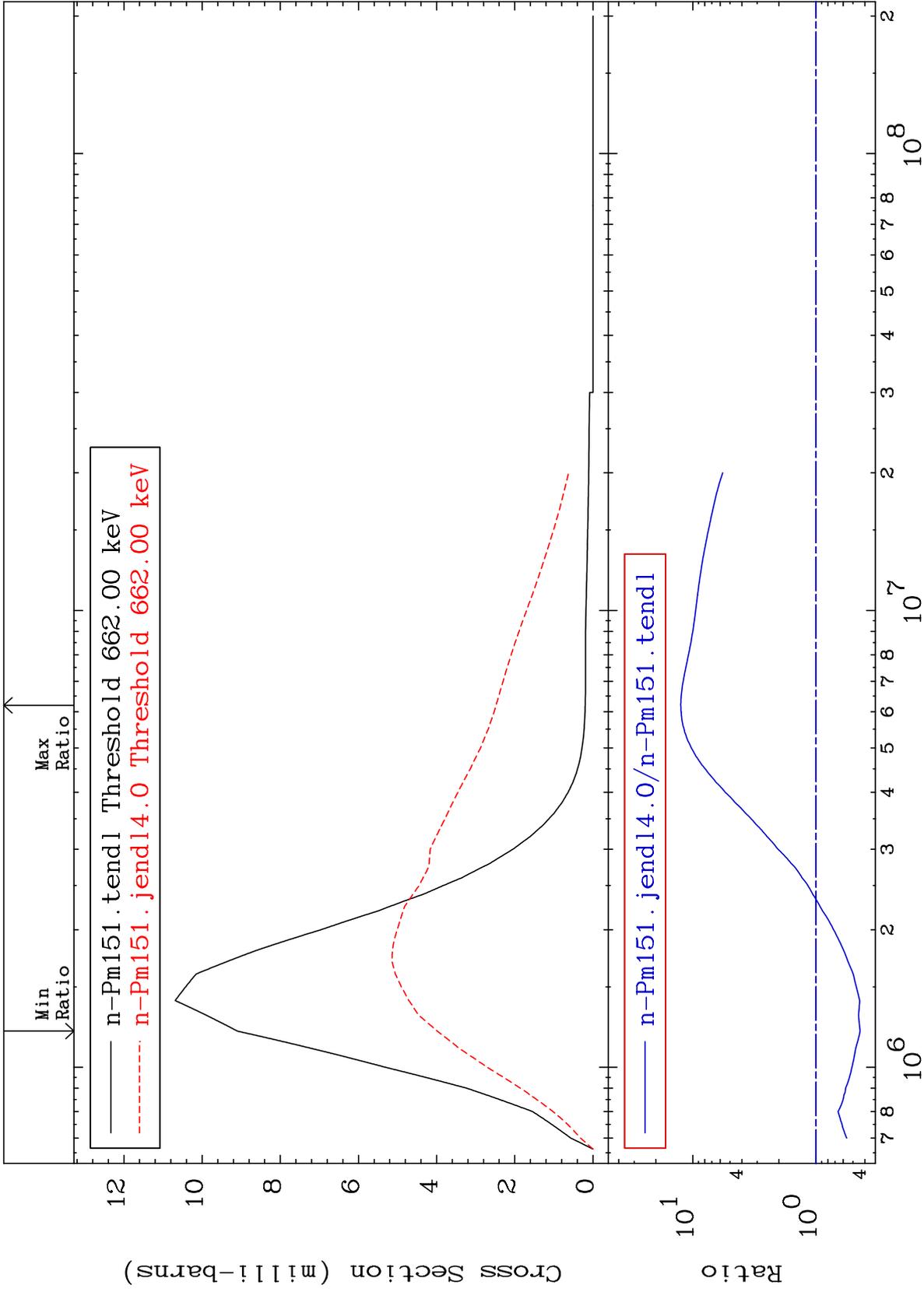


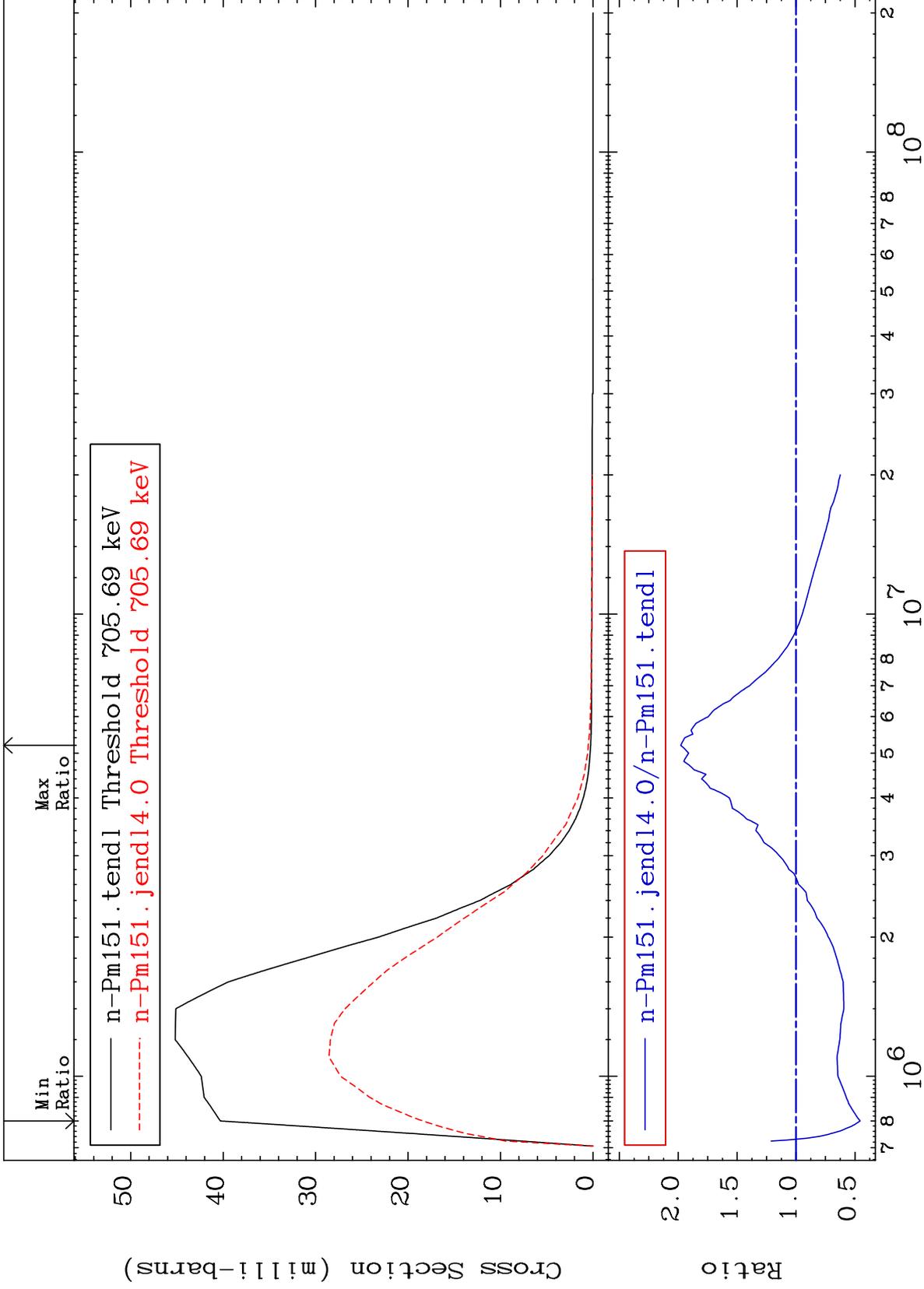
MAT 6161

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

61-Pm-151  
-71.06 To 226.2 %



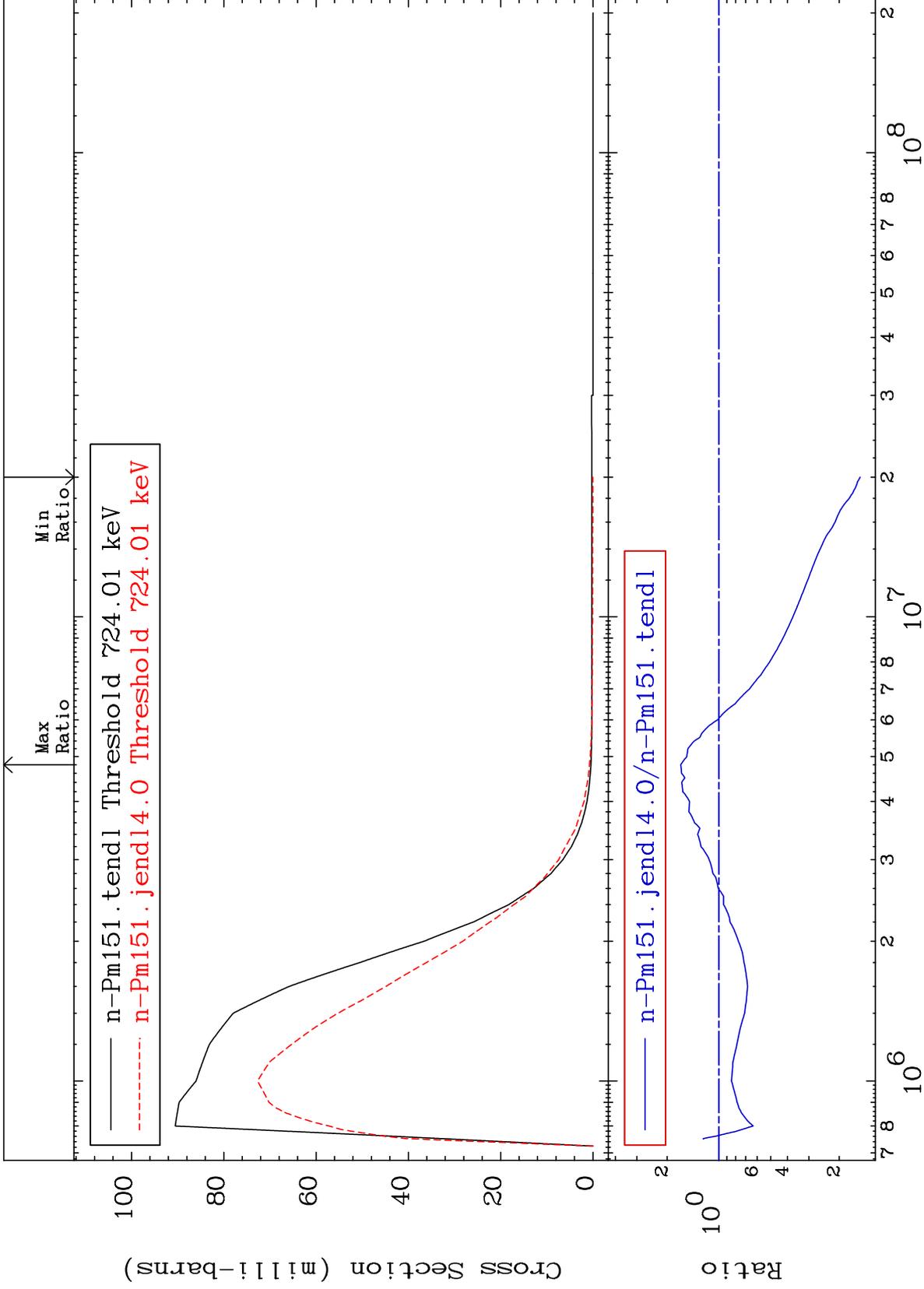




MAT 6161

MT= 75 (n,n') Level  
Cross Section

61-Pm-151  
-84.88 To 66.60 %



36

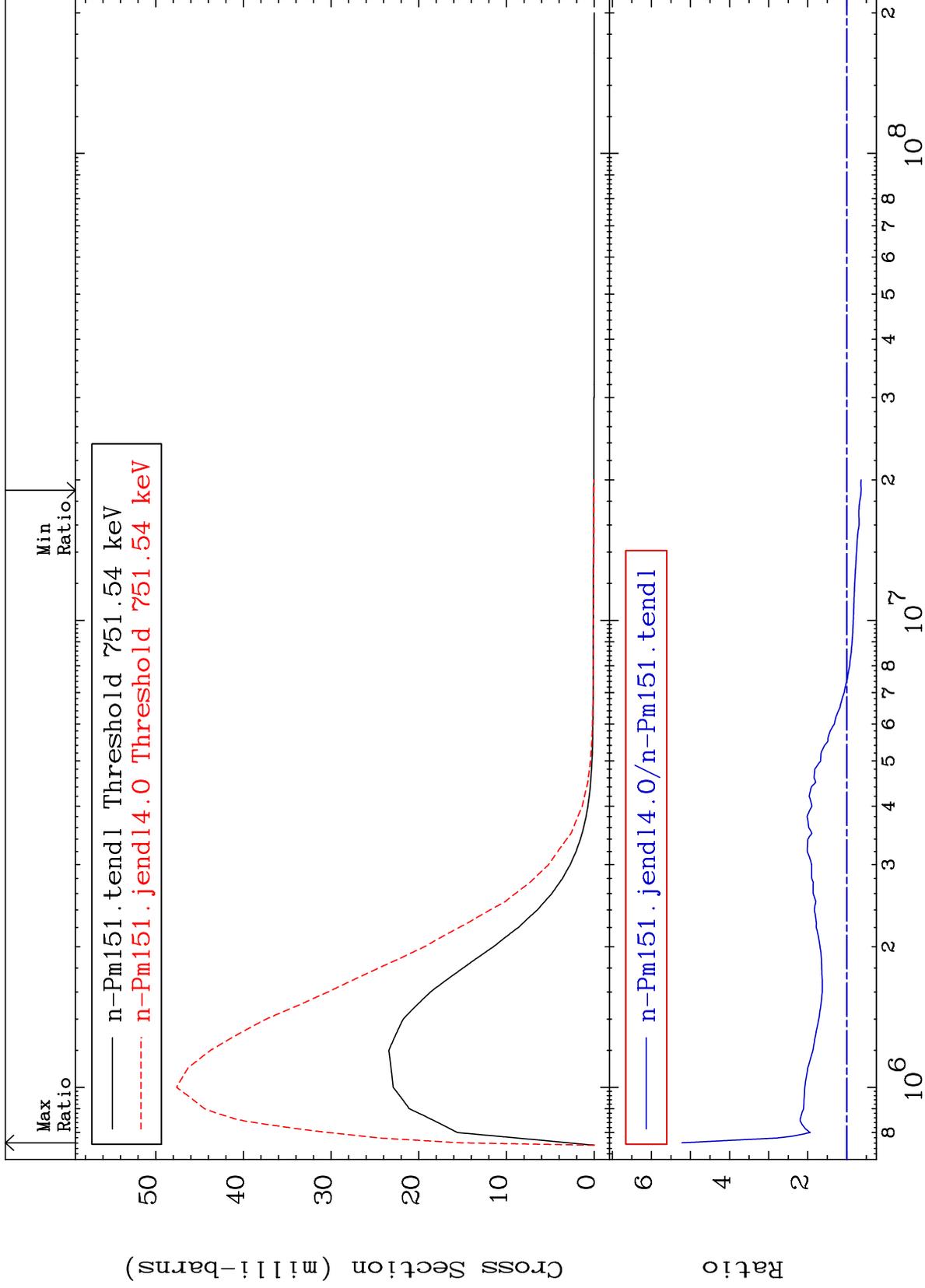
Incident Energy (eV)

61-Pm-151

MAT 6161

MT= 76 (n,n') Level  
Cross Section

61-Pm-151  
-36.43 To 421.9 %



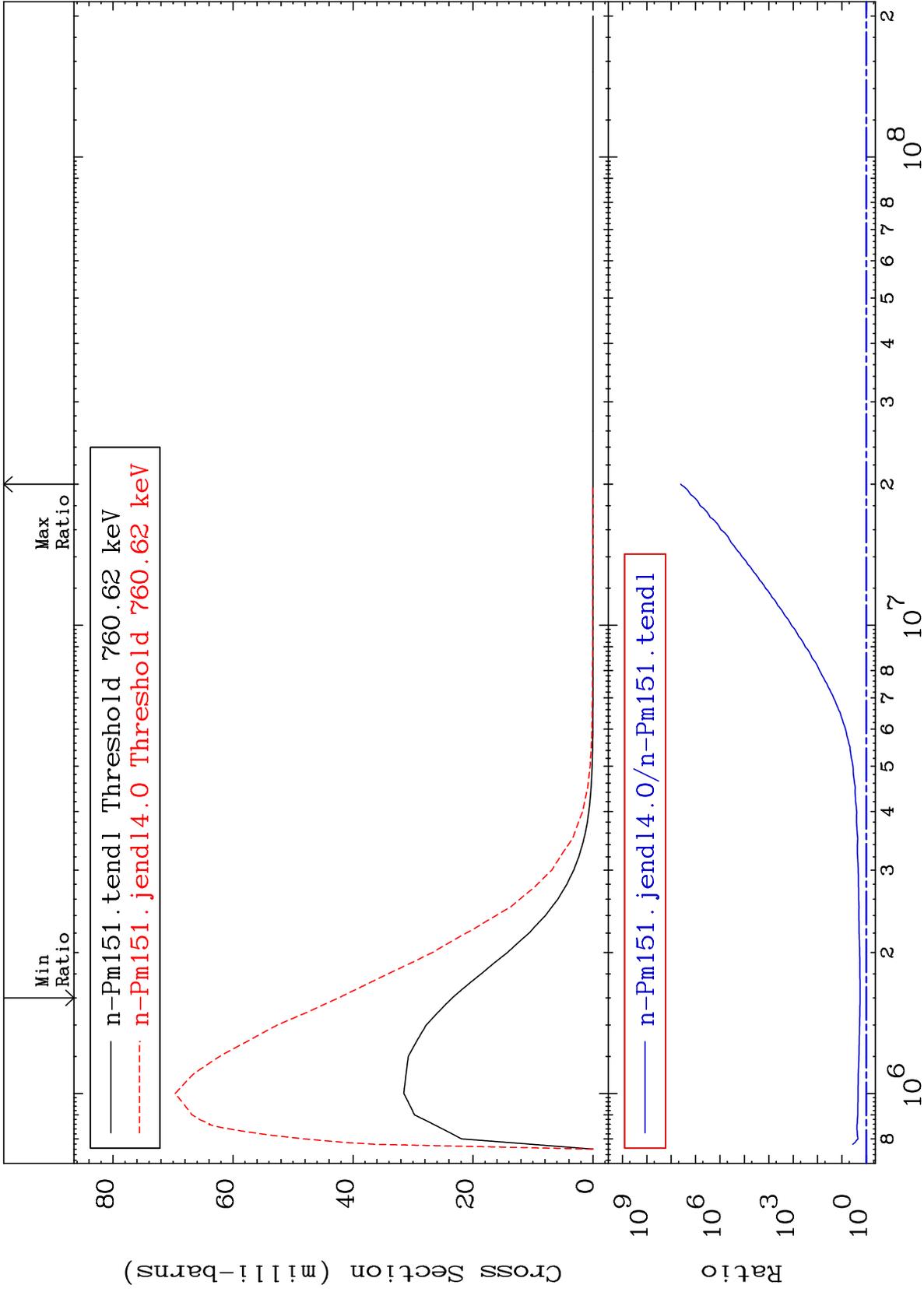
37

61-Pm-151

MAT 6161

MT= 77 (n,n') Level  
Cross Section

61-Pm-151  
80.72 To 9999. %



38

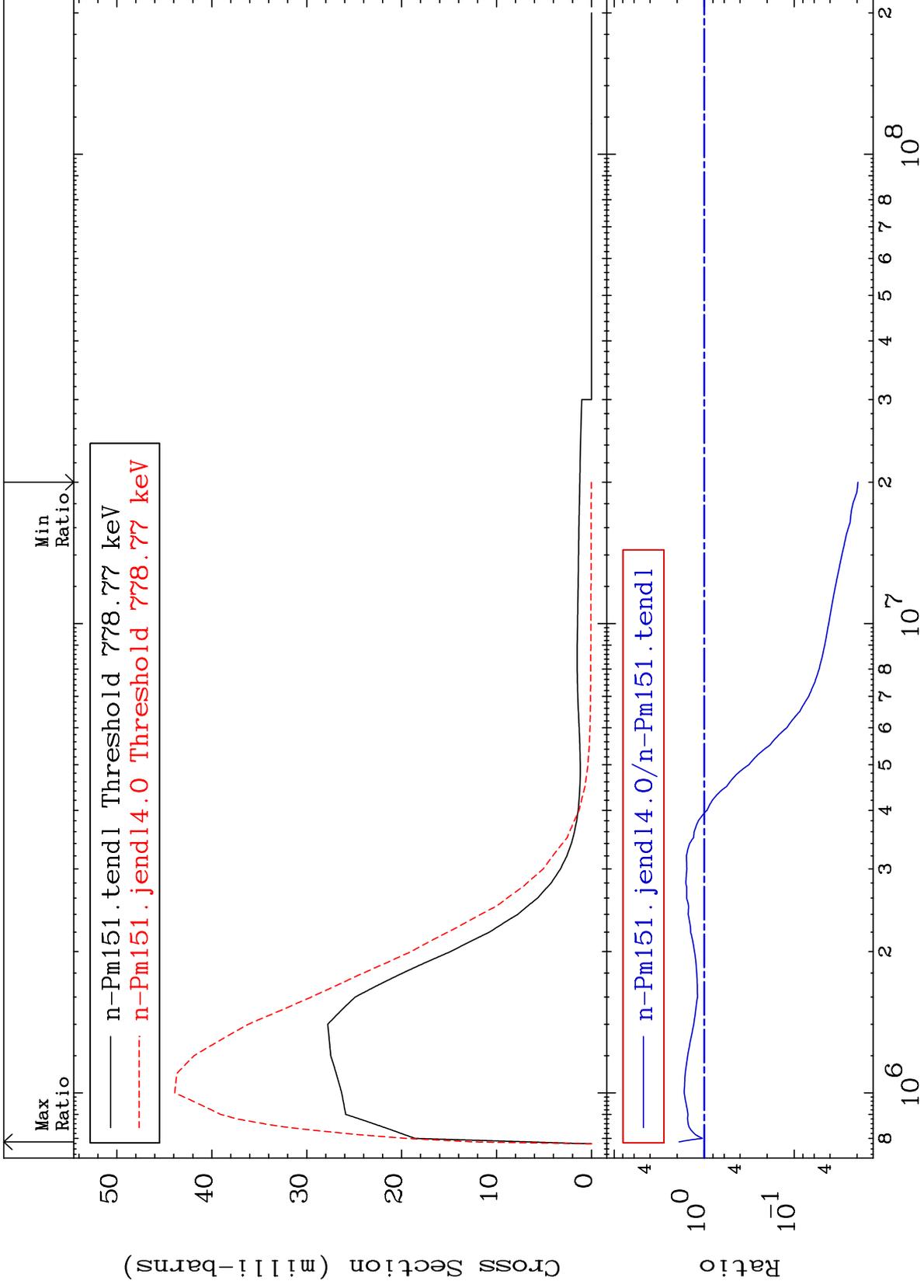
Incident Energy (eV)

61-Pm-151

MAT 6161

MT= 78 (n,n') Level  
Cross Section

61-Pm-151  
-98.04 To 90.00 %



39

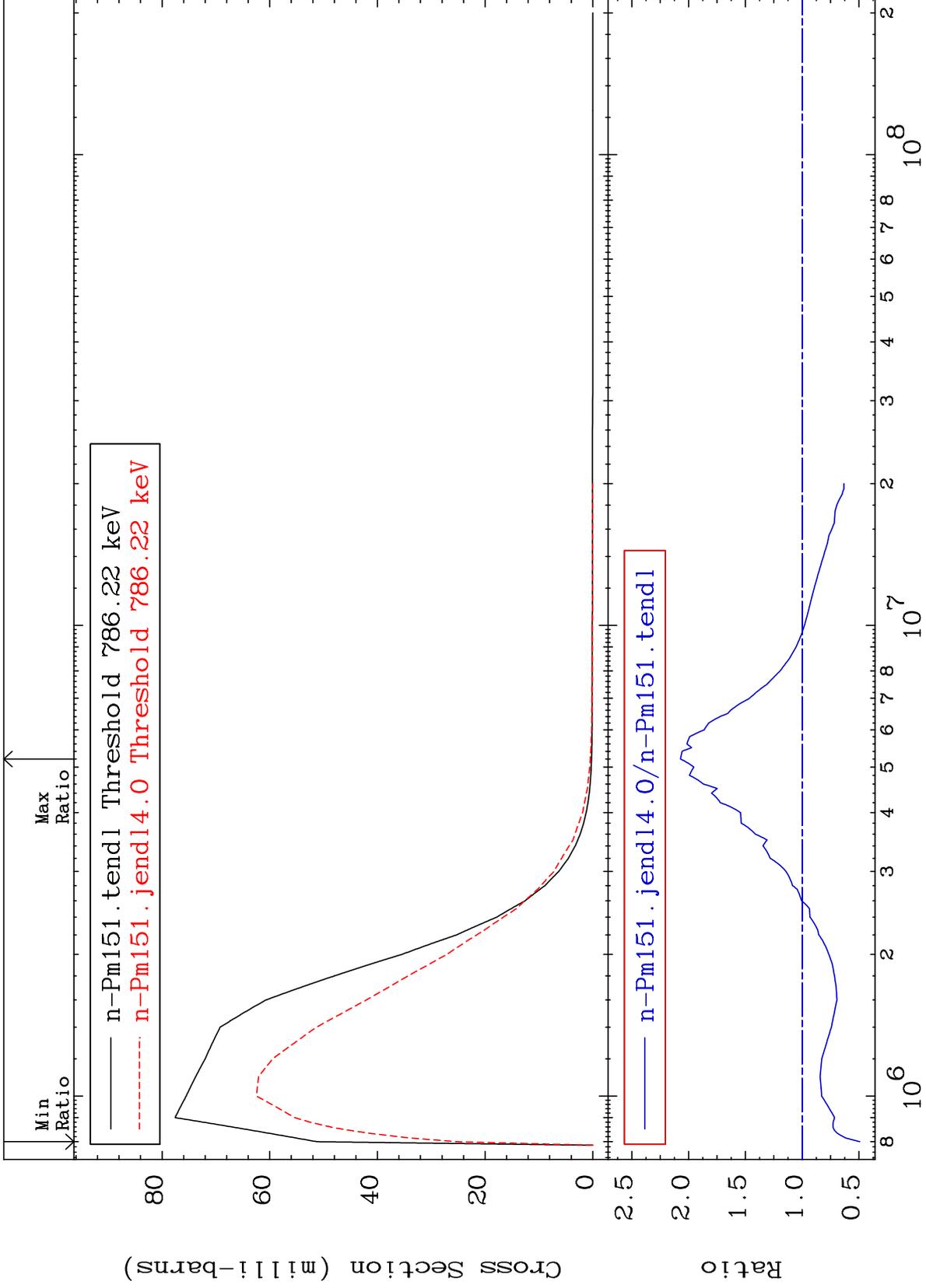
Incident Energy (eV)

61-Pm-151

MAT 6161

MT= 79 (n,n') Level  
Cross Section

61-Pm-151  
-50.83 To 107.1 %



40

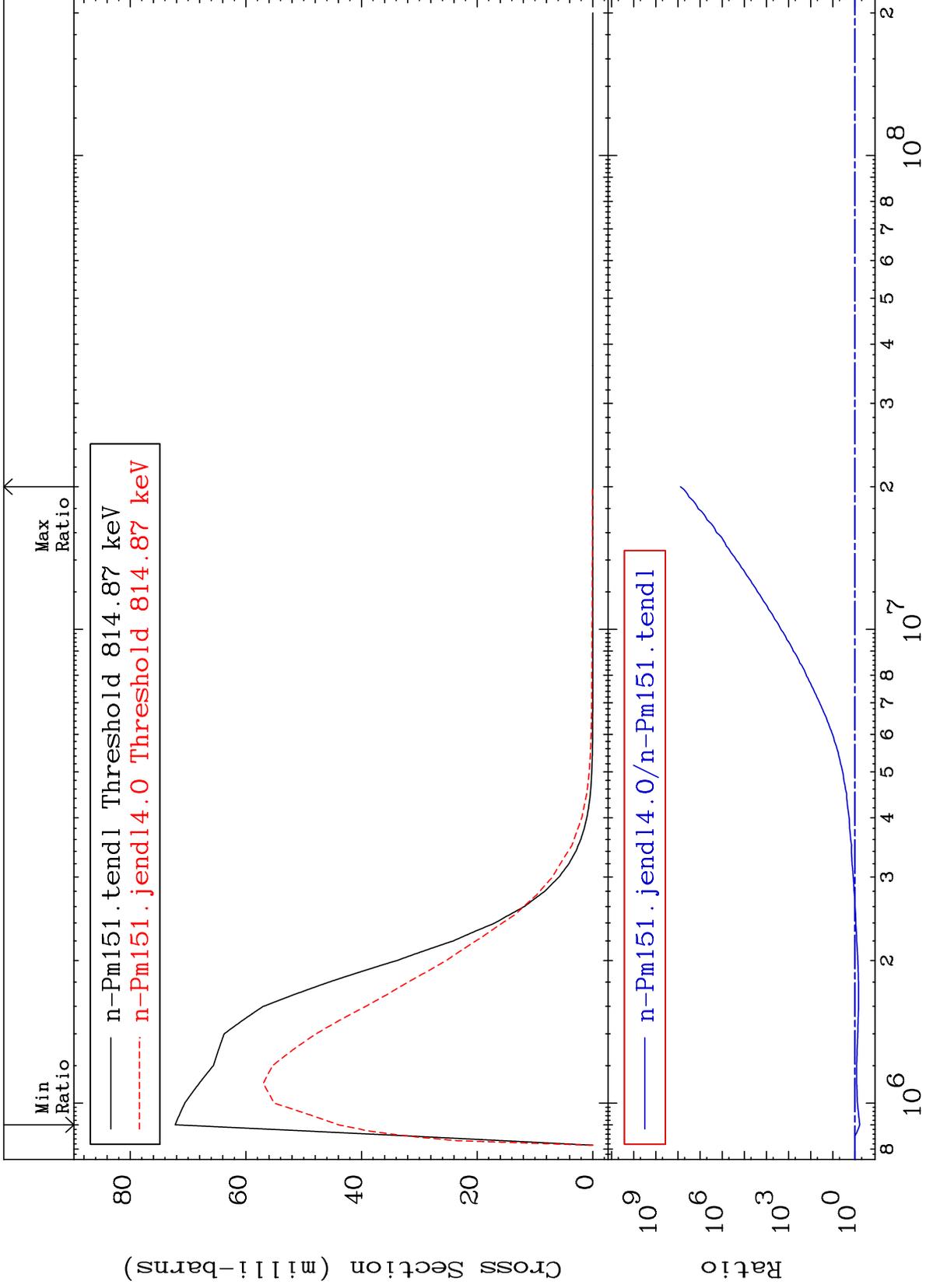
Incident Energy (eV)

61-Pm-151

MAT 6161

MT= 80 (n,n') Level  
Cross Section

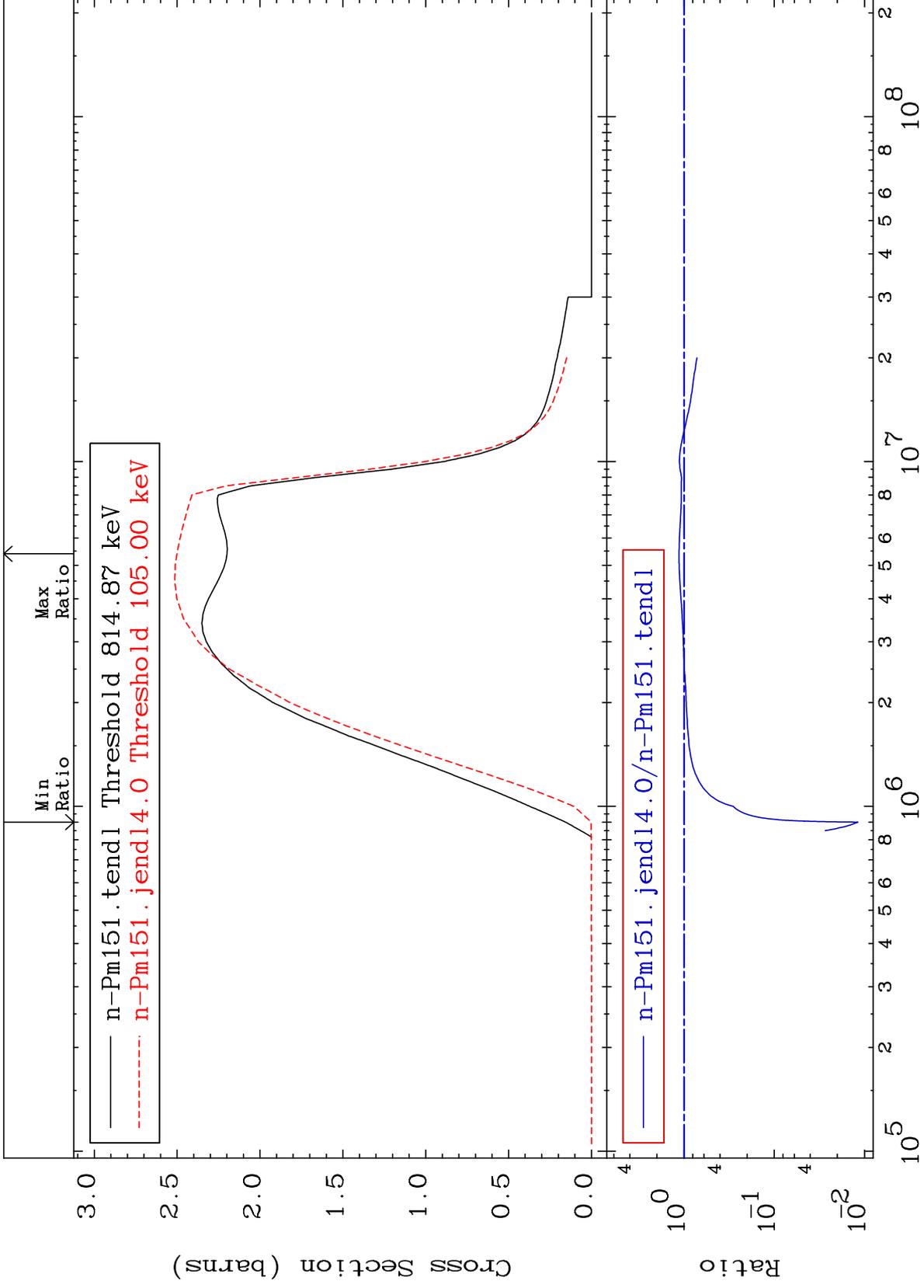
61-Pm-151  
-39.12 To 9999. %



MAT 6161

(n, n') Continuum  
Cross Section

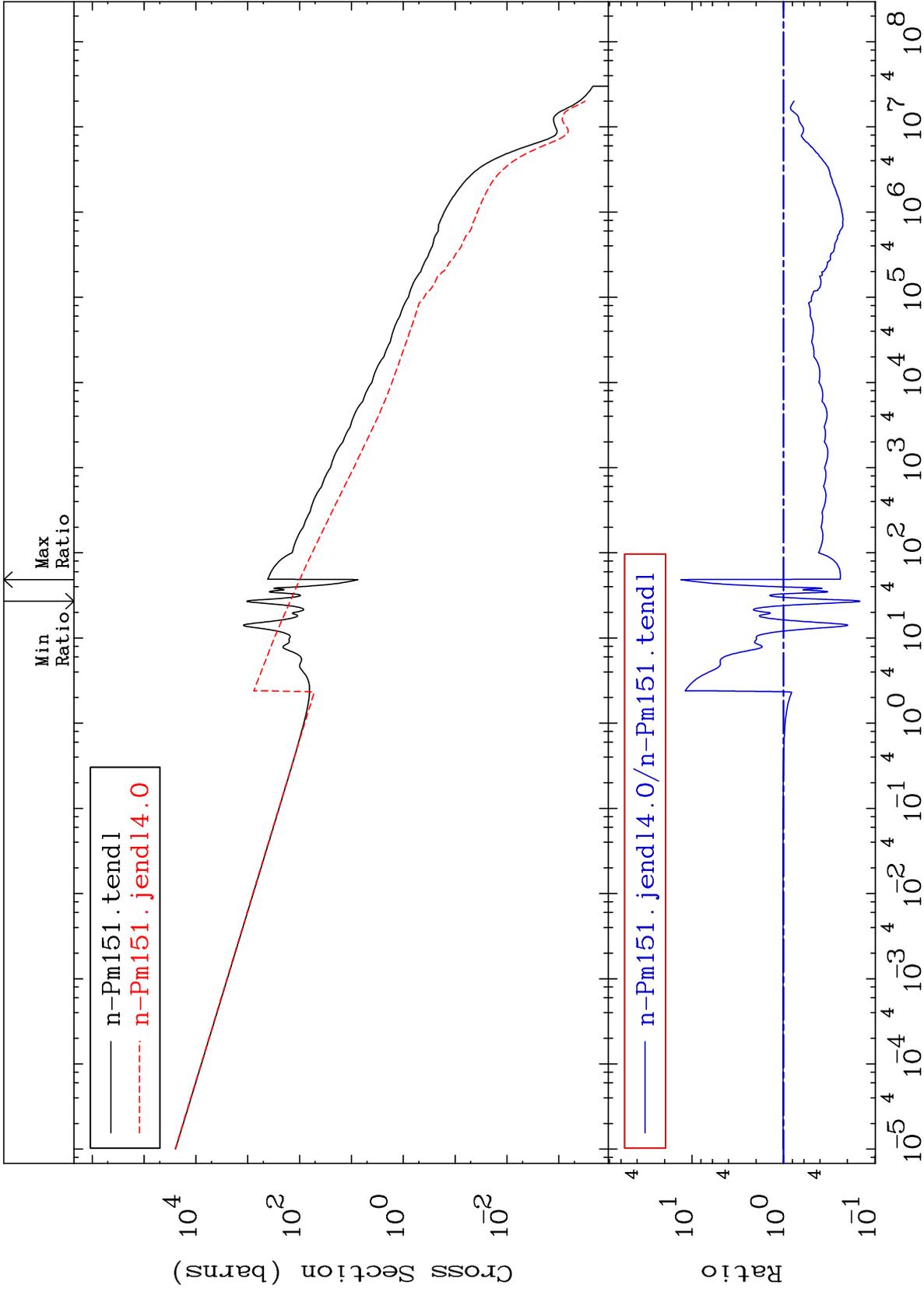
61-Pm-151  
-98.82 To 13.73 %



42

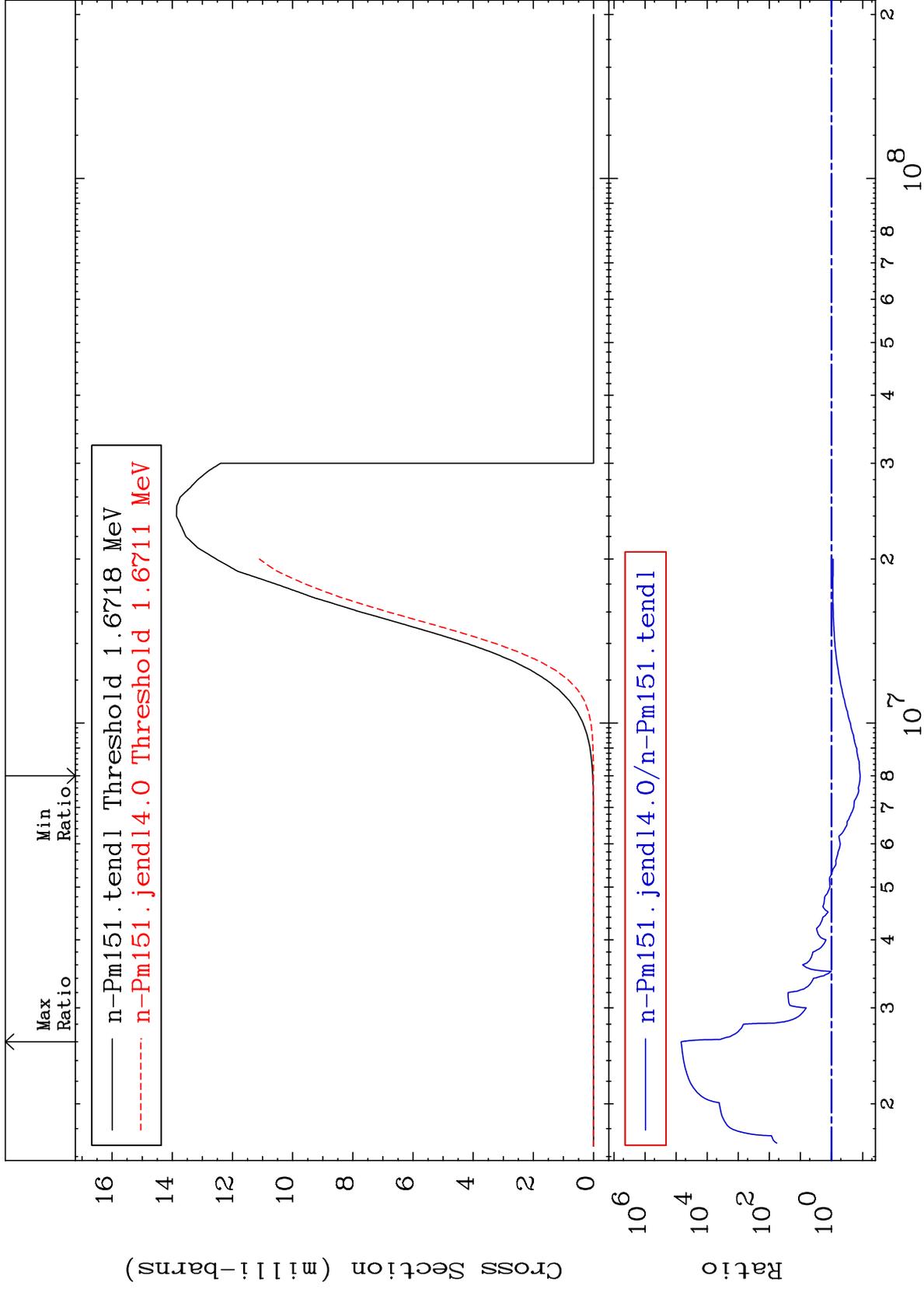
Incident Energy (eV)

61-Pm-151



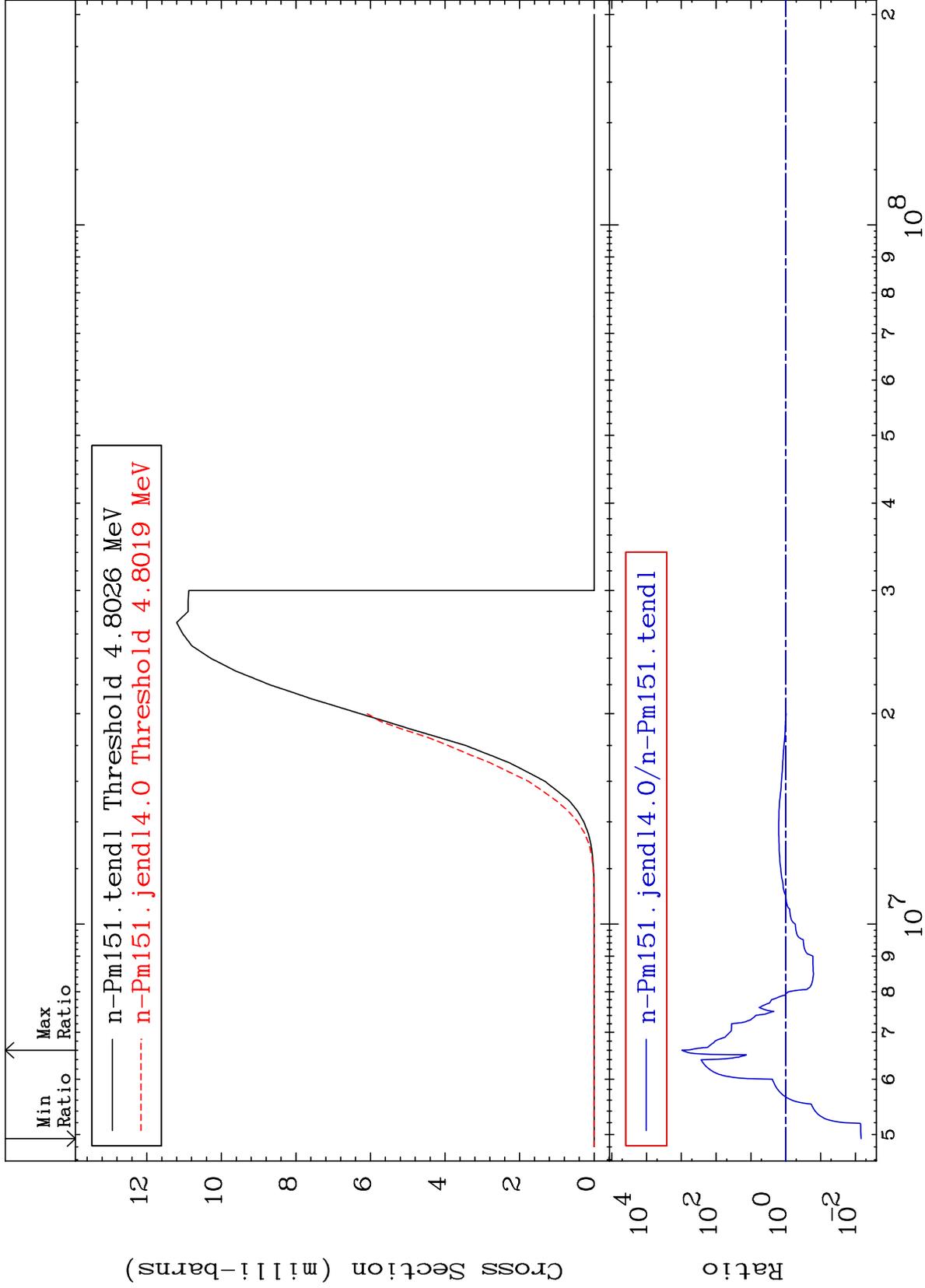
Cross Section

-88.06 To 9999. %



Cross Section

-99.31 To 9999. %



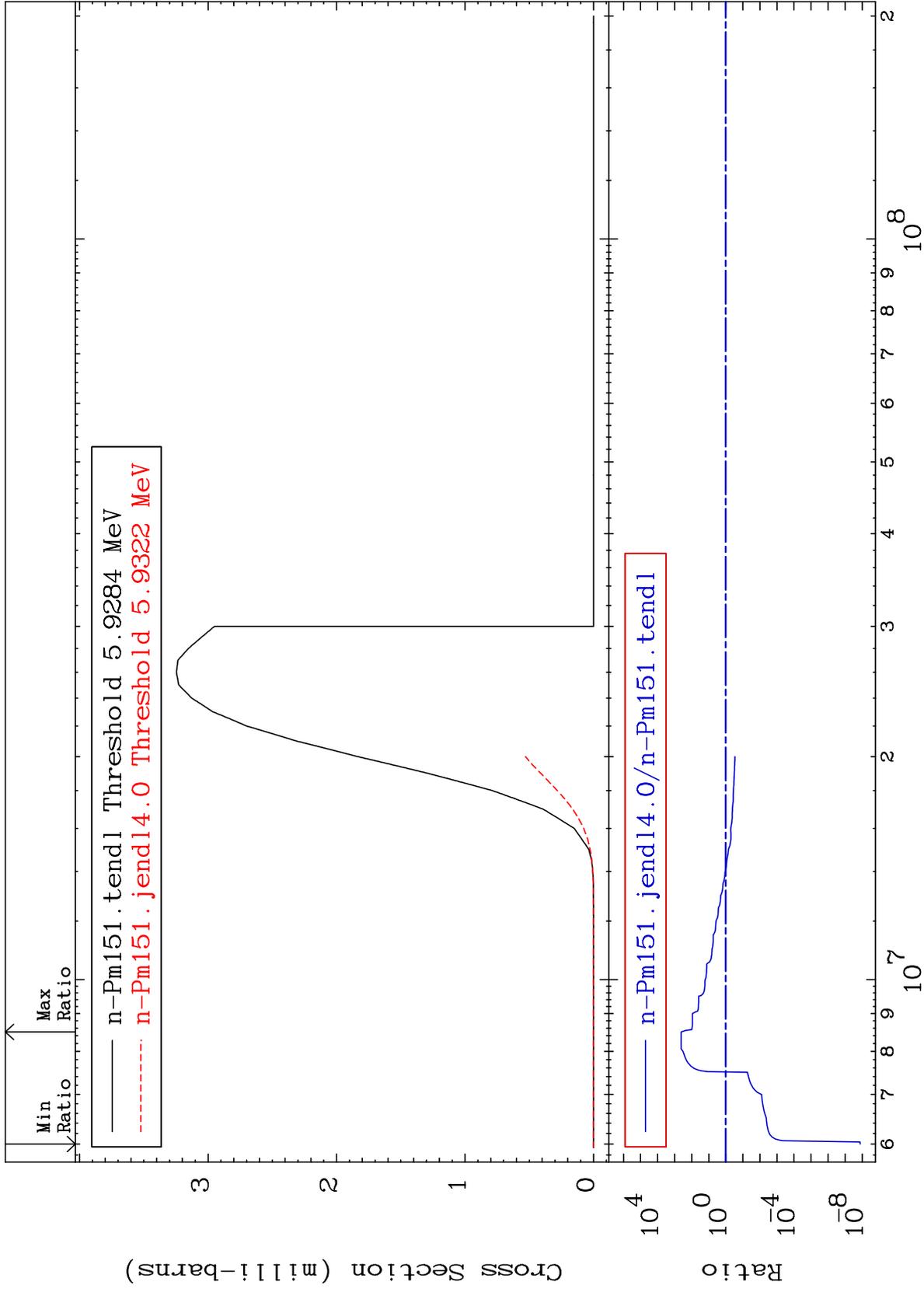
MAT 6161

(n, t)

61-Pm-151

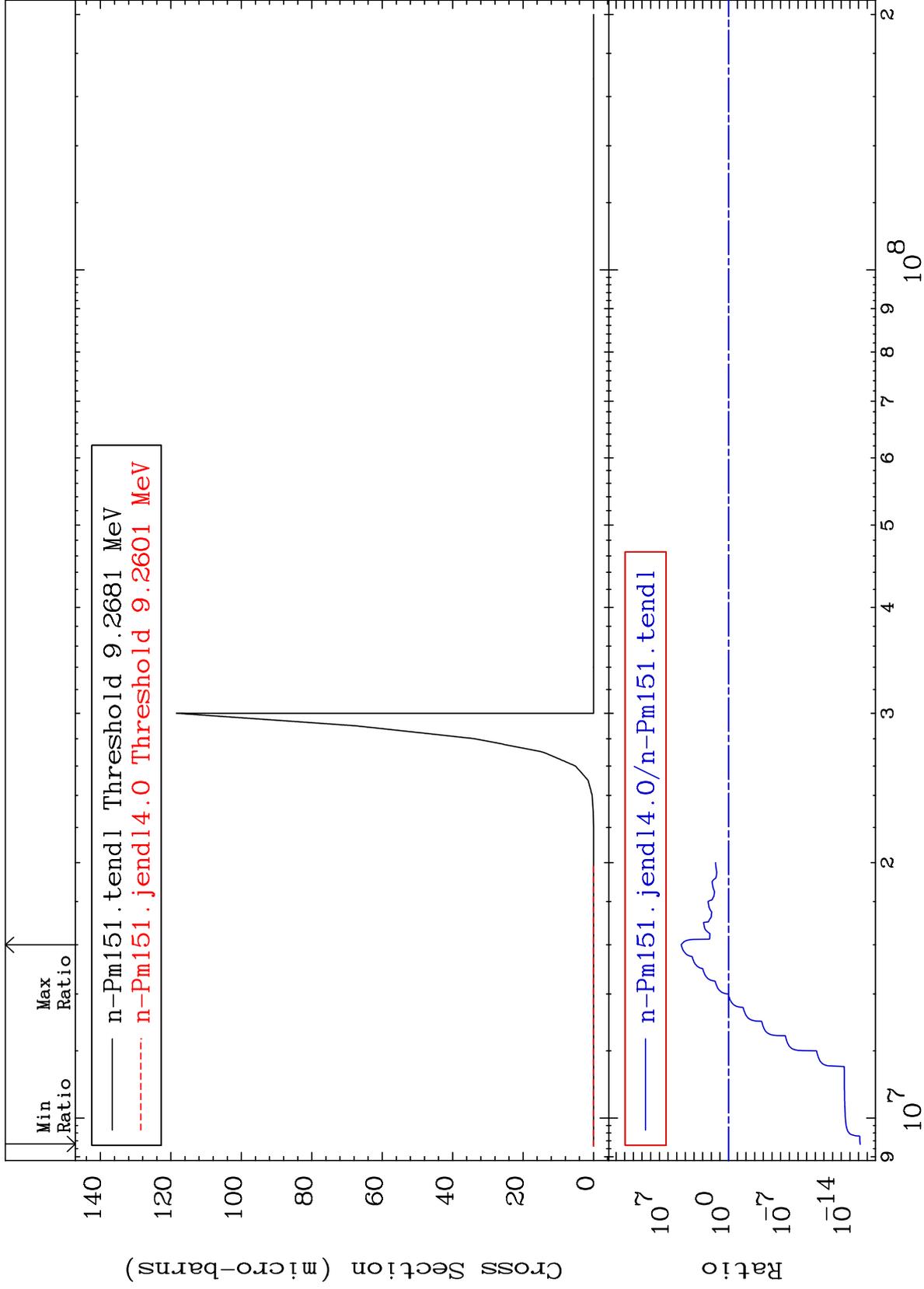
Cross Section

-100.0 To 9999. %



Cross Section

-100.0 To 9999. %



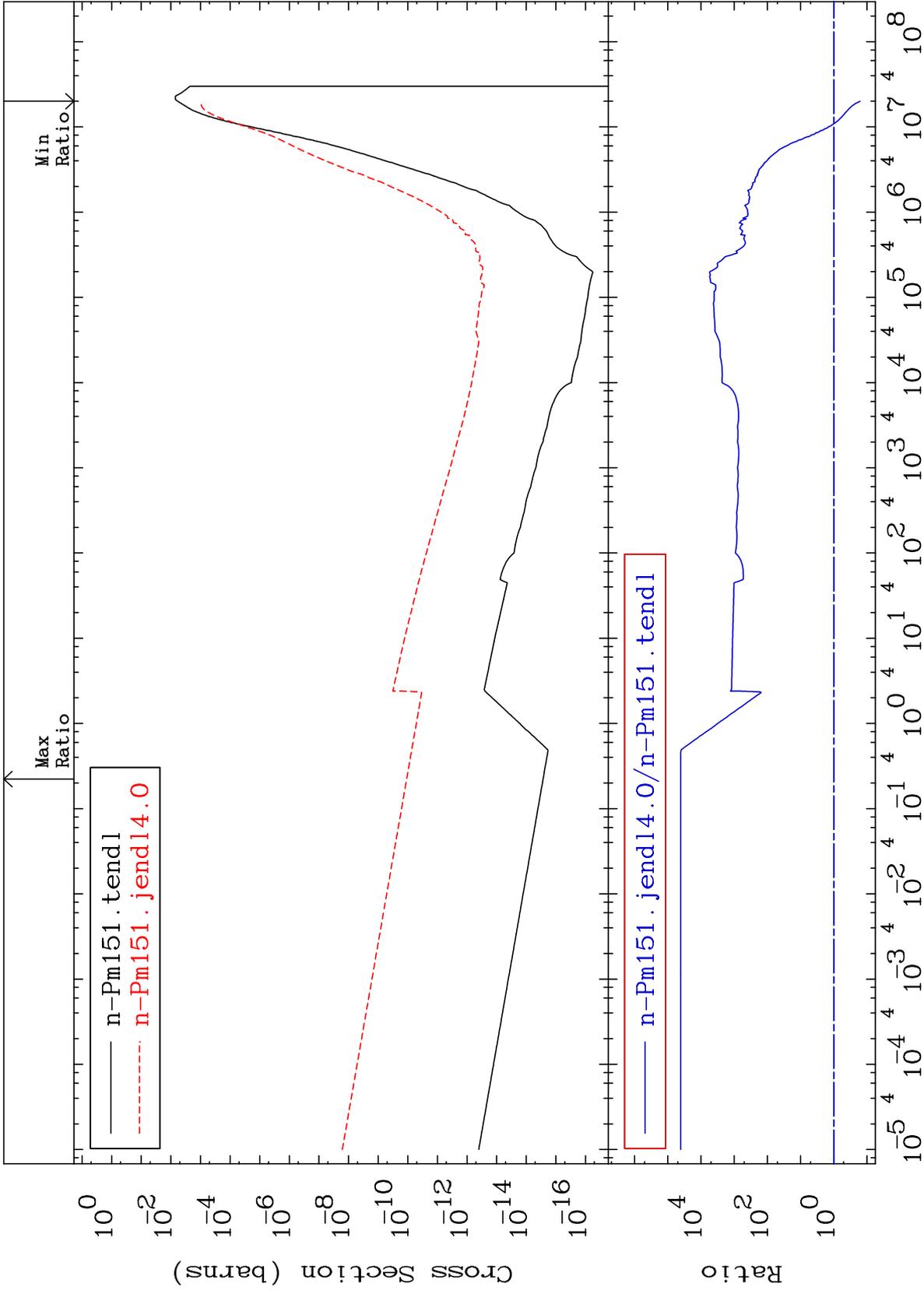
MAT 6161

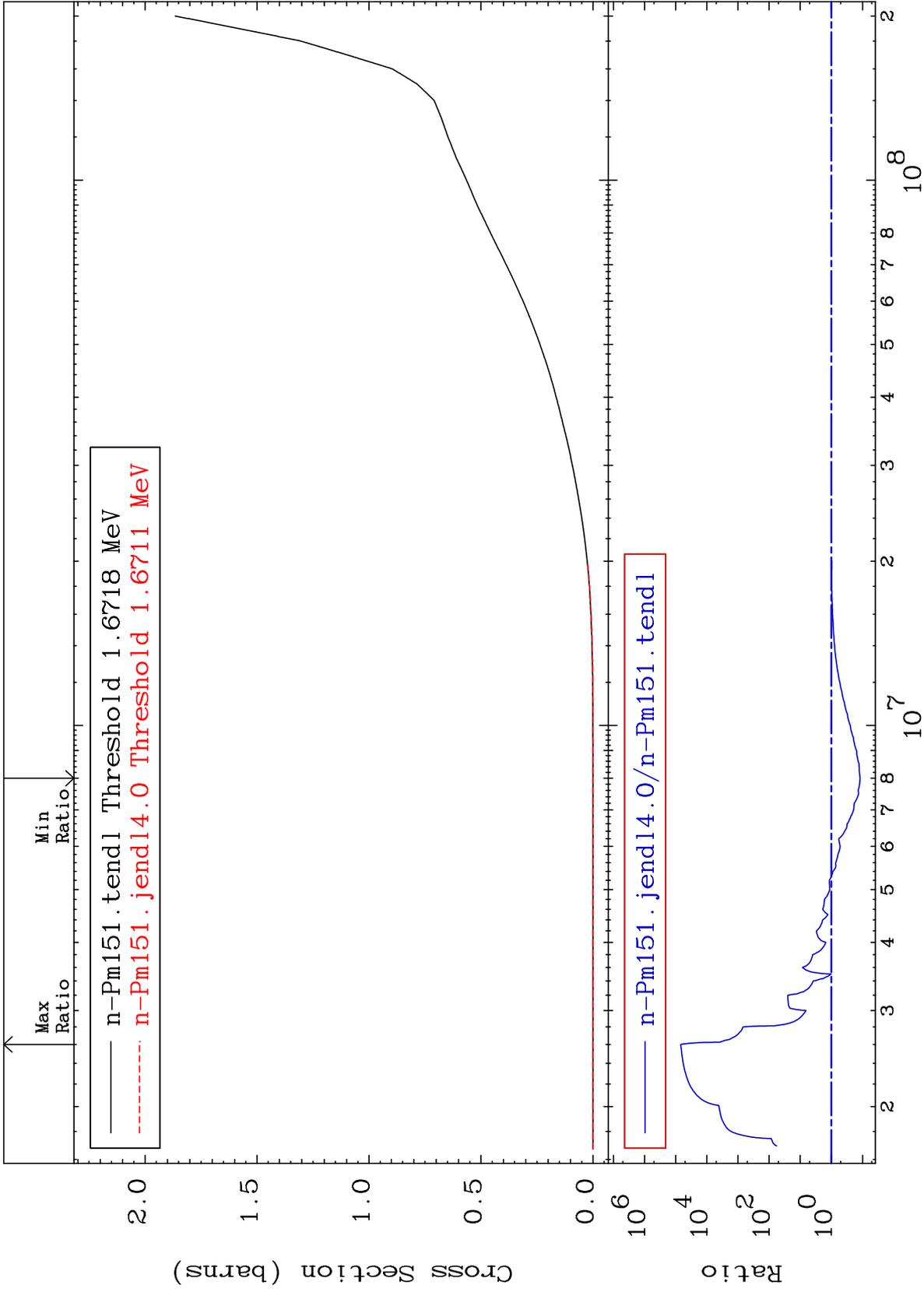
(n,  $\alpha$ )

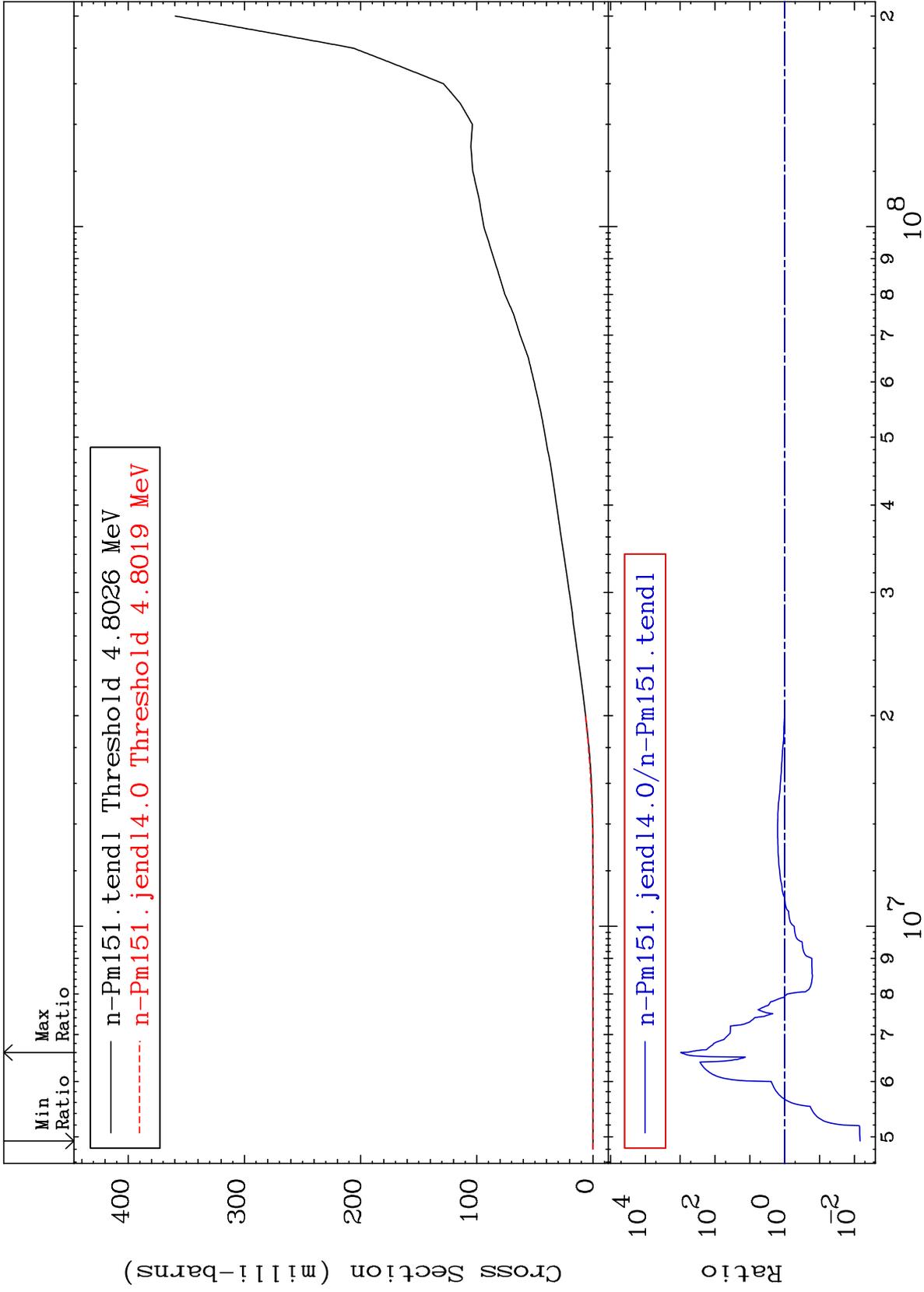
61-Pm-151

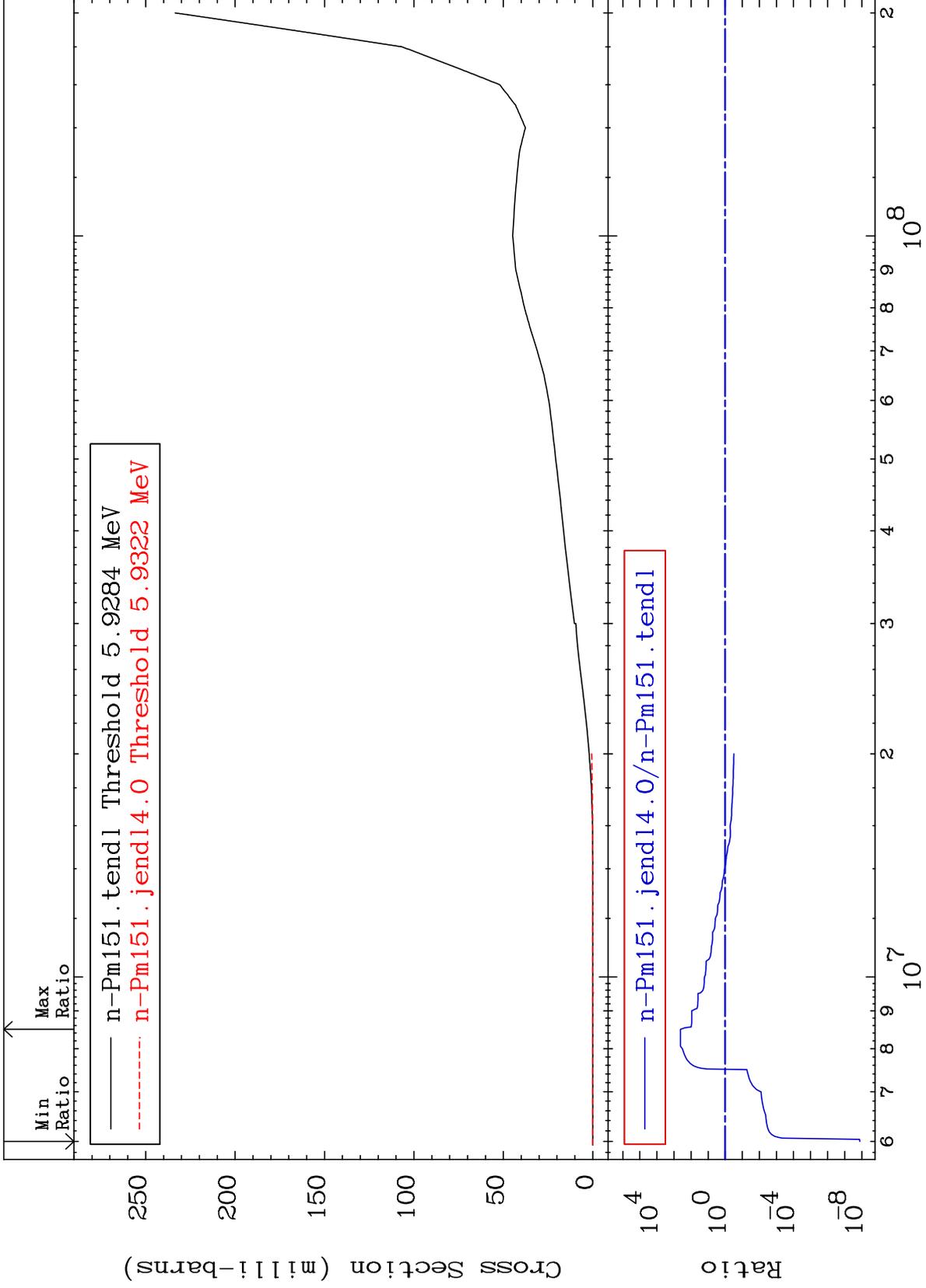
Cross Section

-83.97 To 9999. %





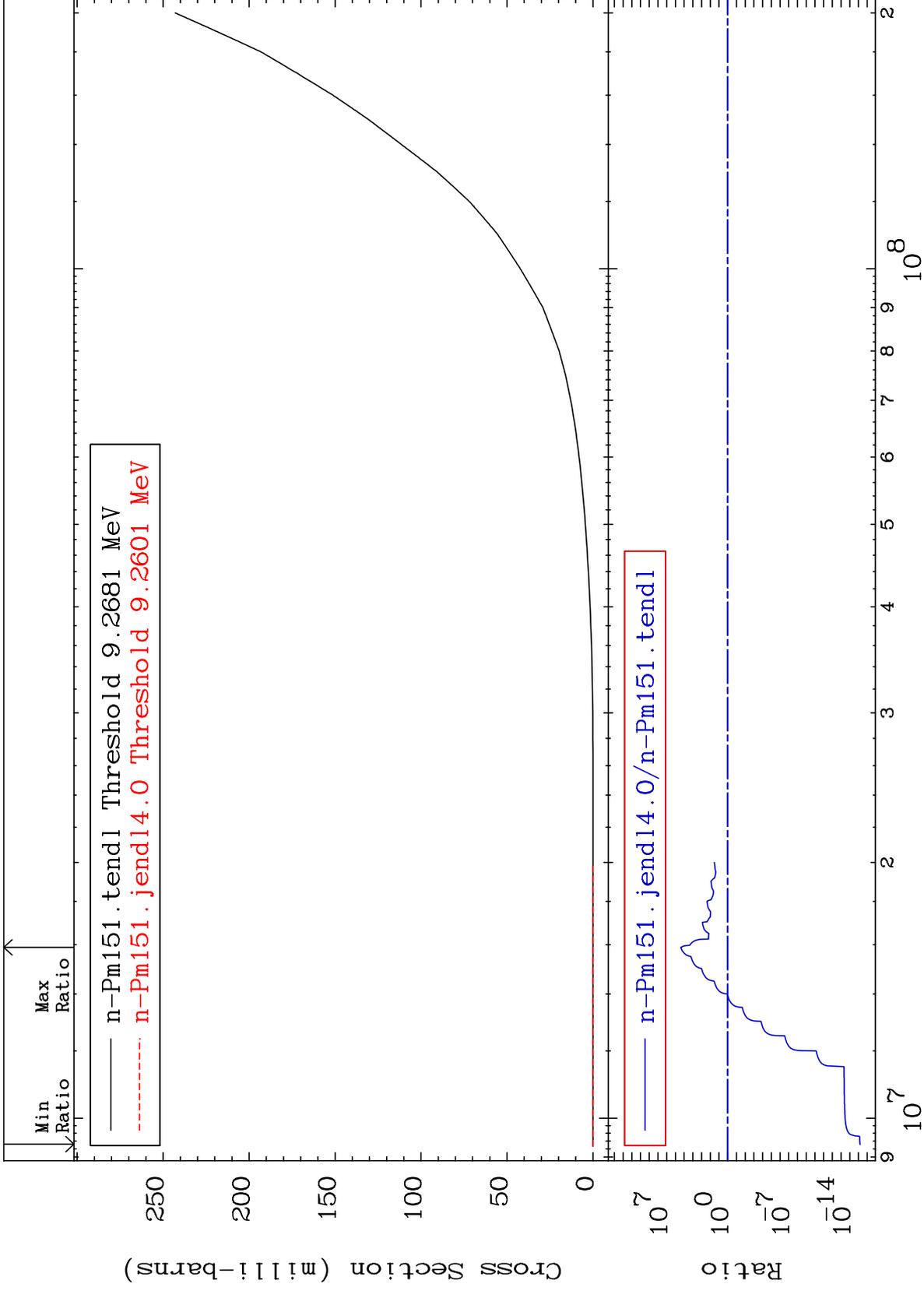




MAT 6161

He-3 Production  
Cross Section

61-Pm-151  
-100.0 To 9999. %



52

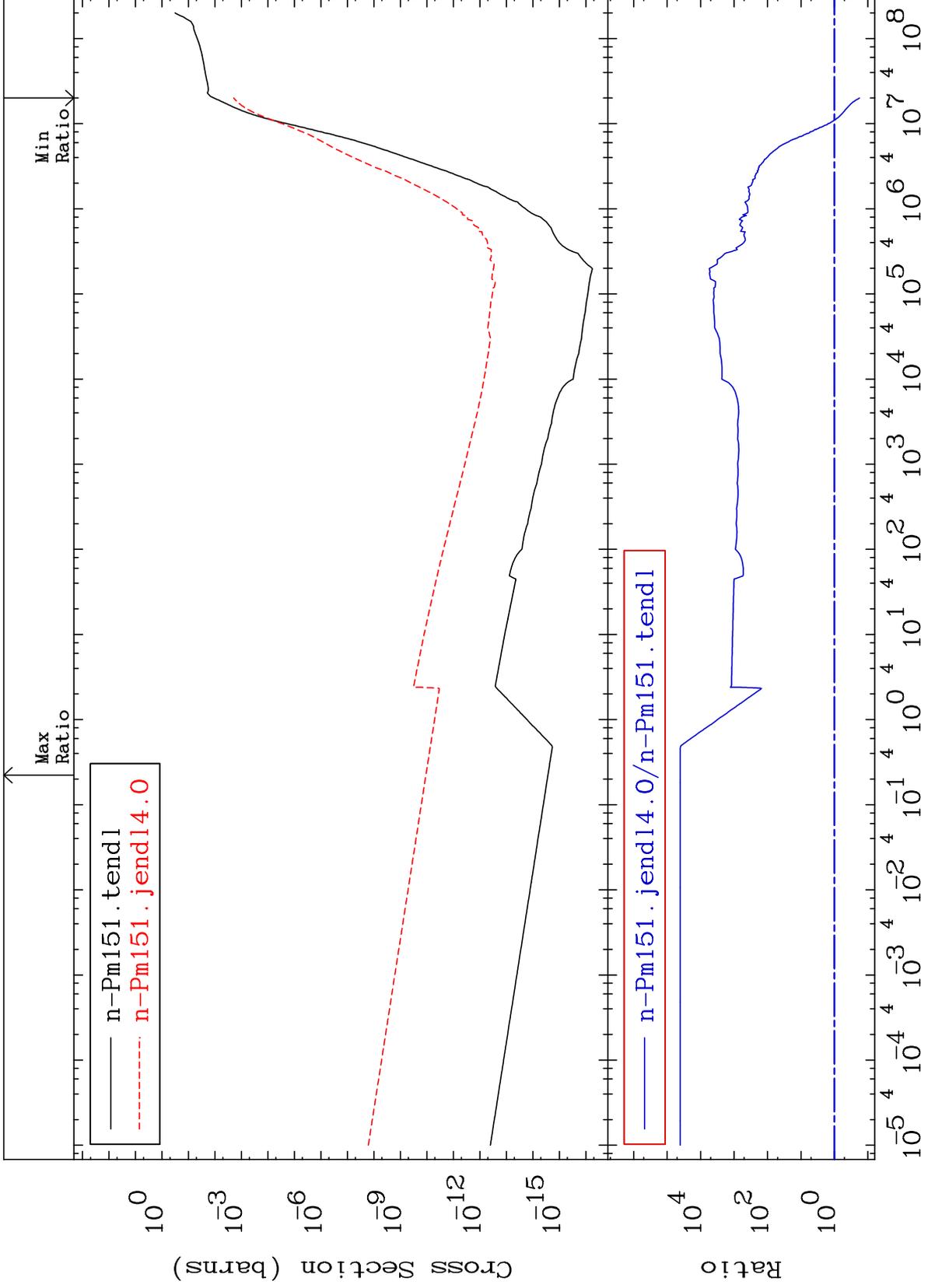
Incident Energy (eV)

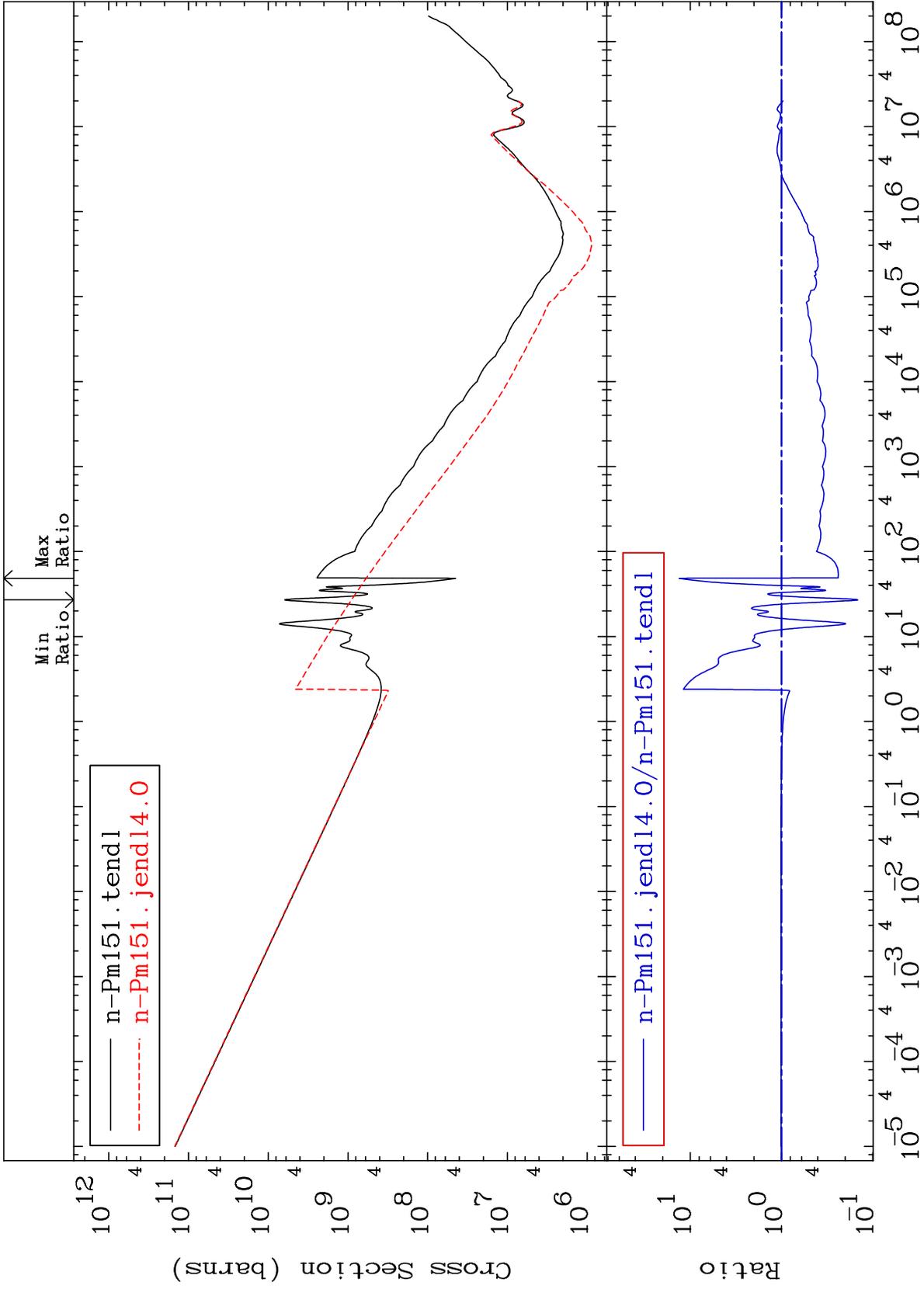
61-Pm-151

MAT 6161

He-4 Production  
Cross Section

61-Pm-151  
-82.12 To 9999. %

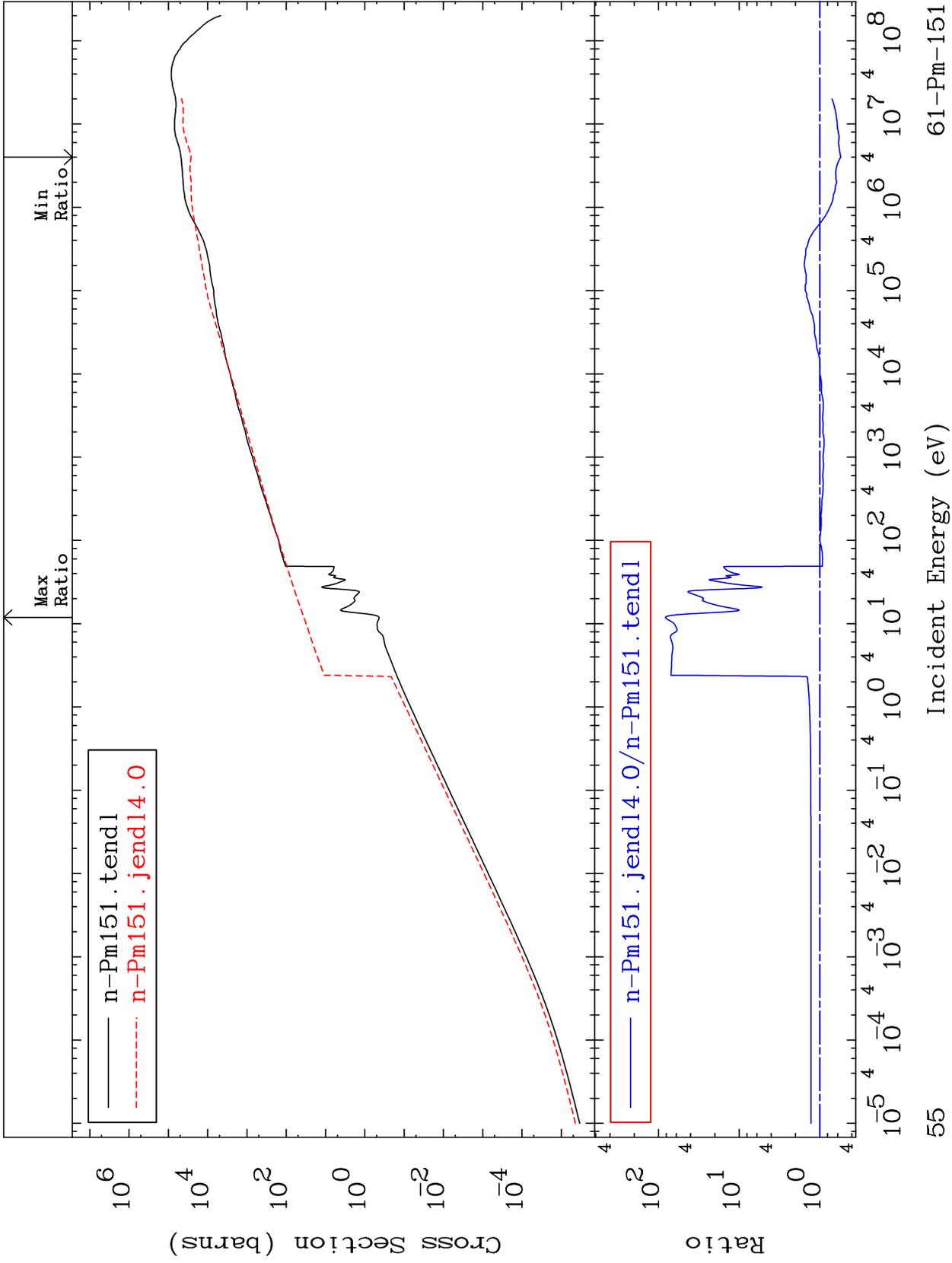


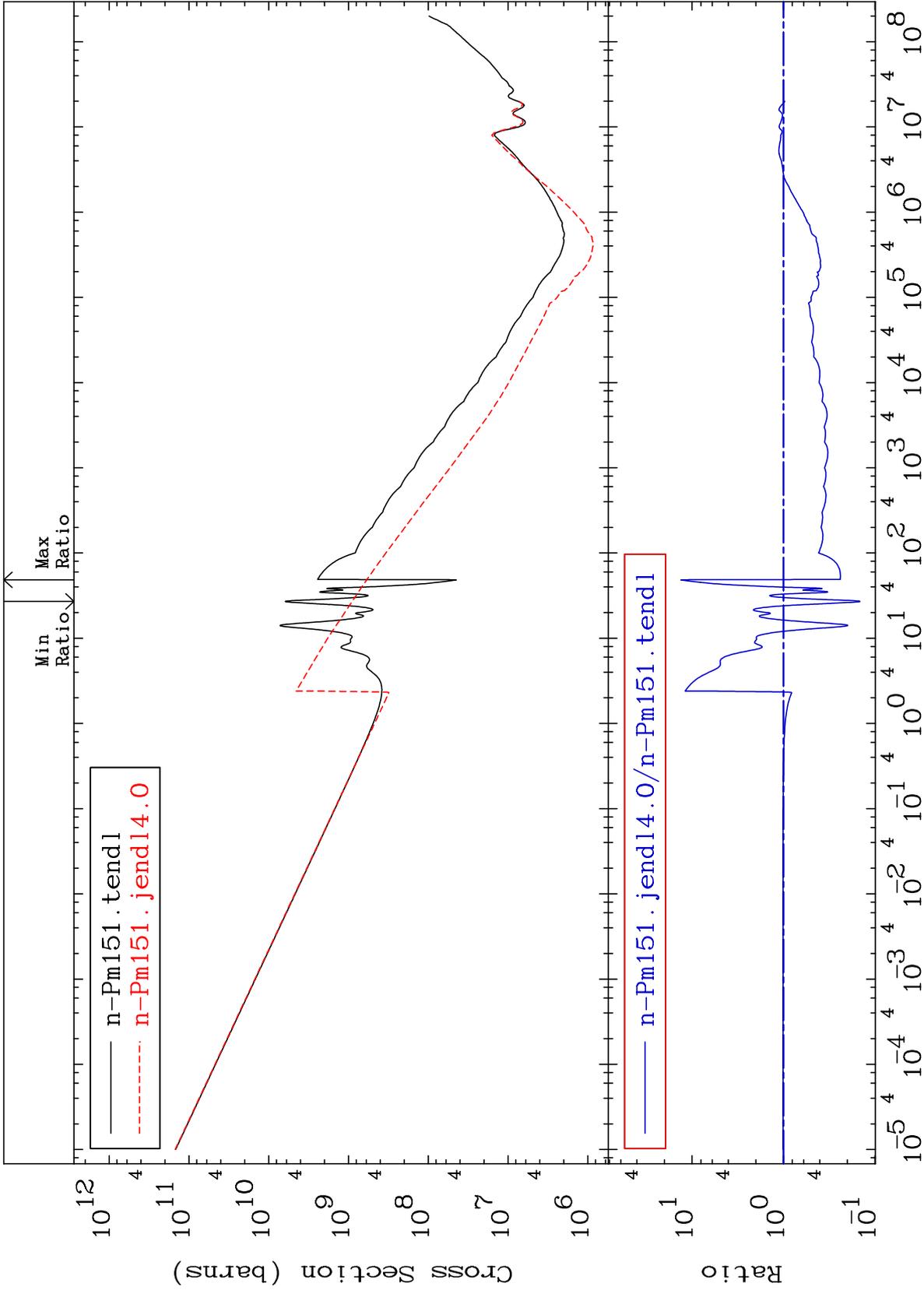


MAT 6161

Kerma elastic  
Cross Section

61-Pm-151  
-45.13 To 8069. %

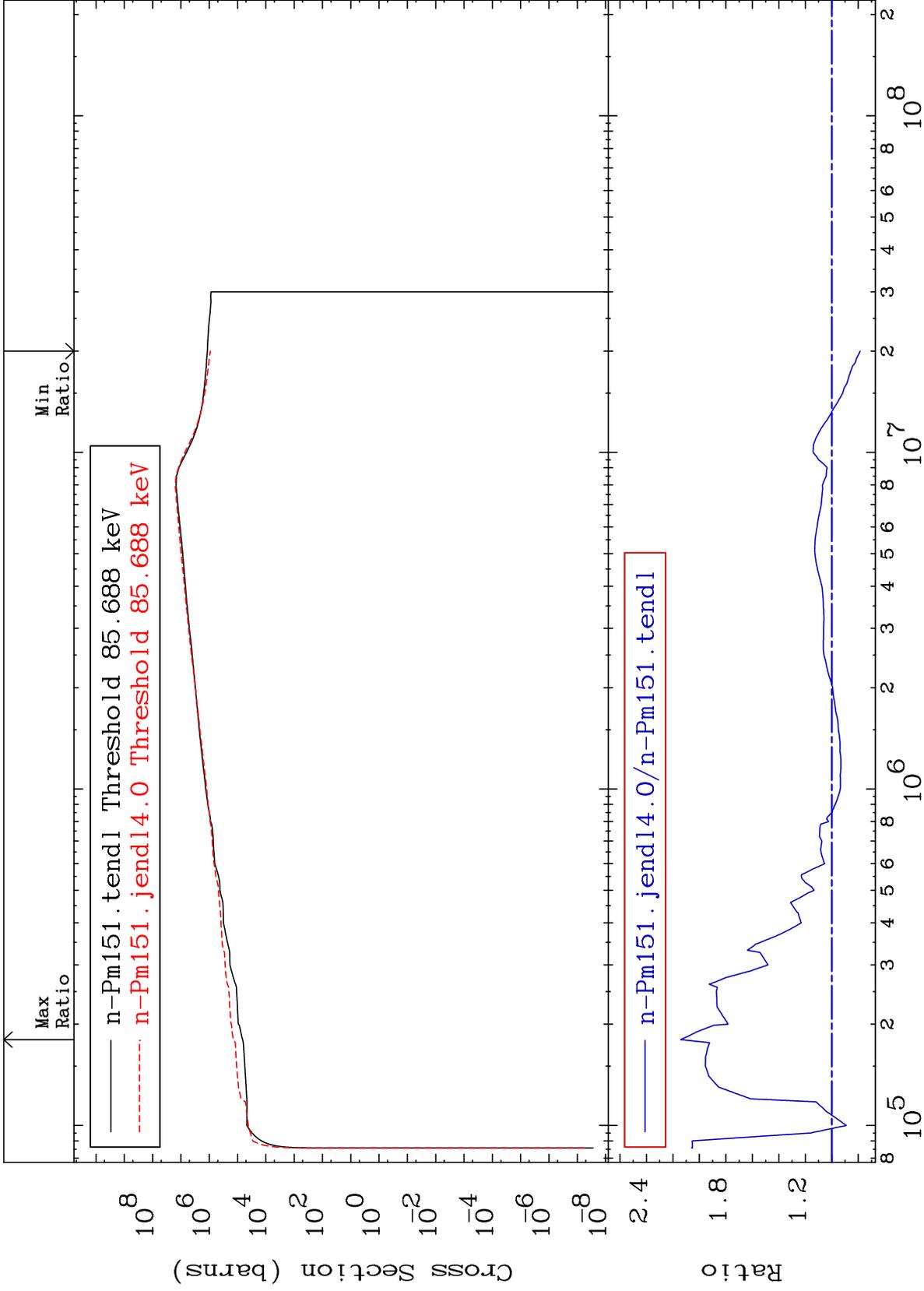




MAT 6161

Kerma inelastic (mt51-91)  
Cross Section

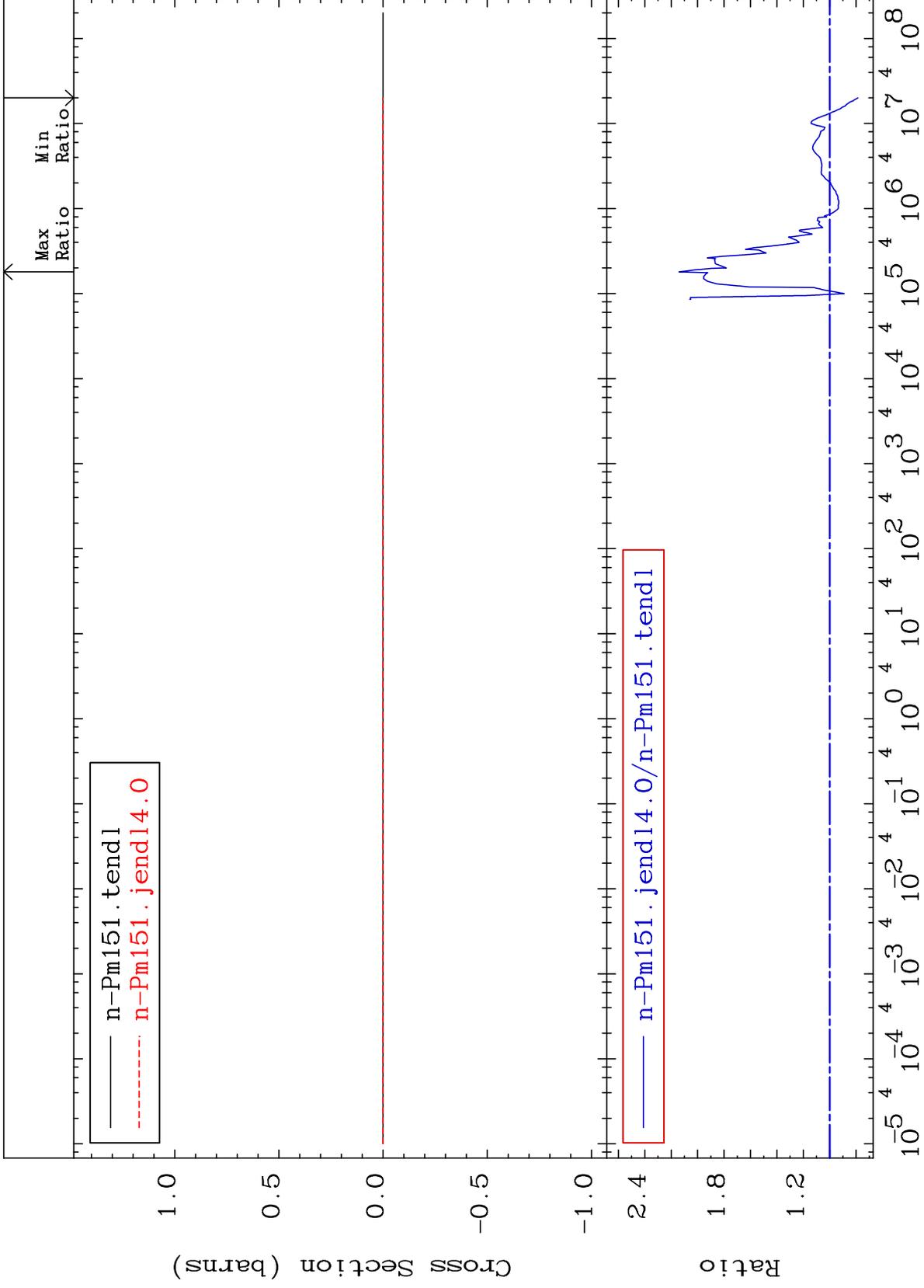
61-Pm-151  
-21.34 To 114.1 %

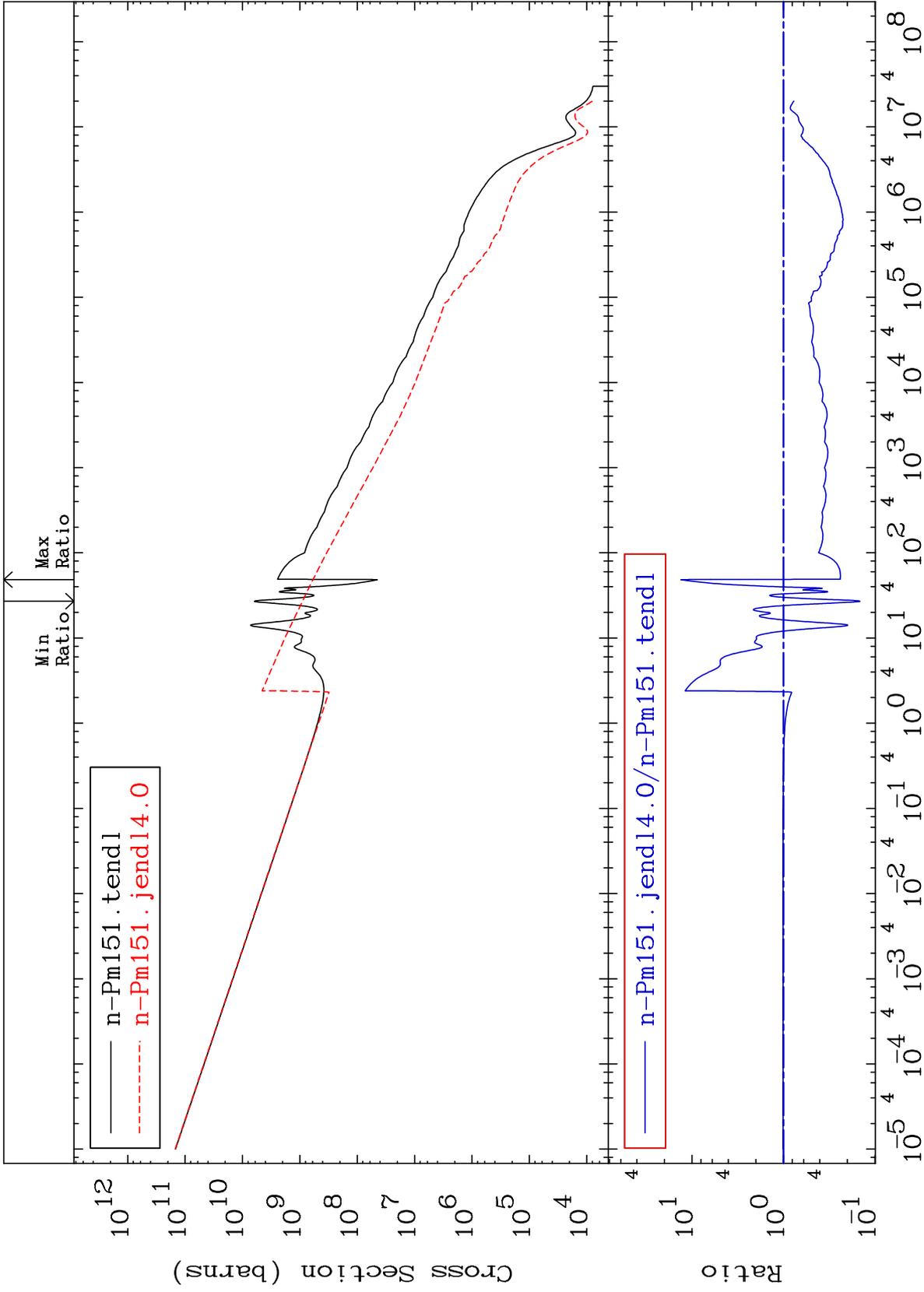


MAT 6161

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

61-Pm-151  
-21.34 To 114.1 %

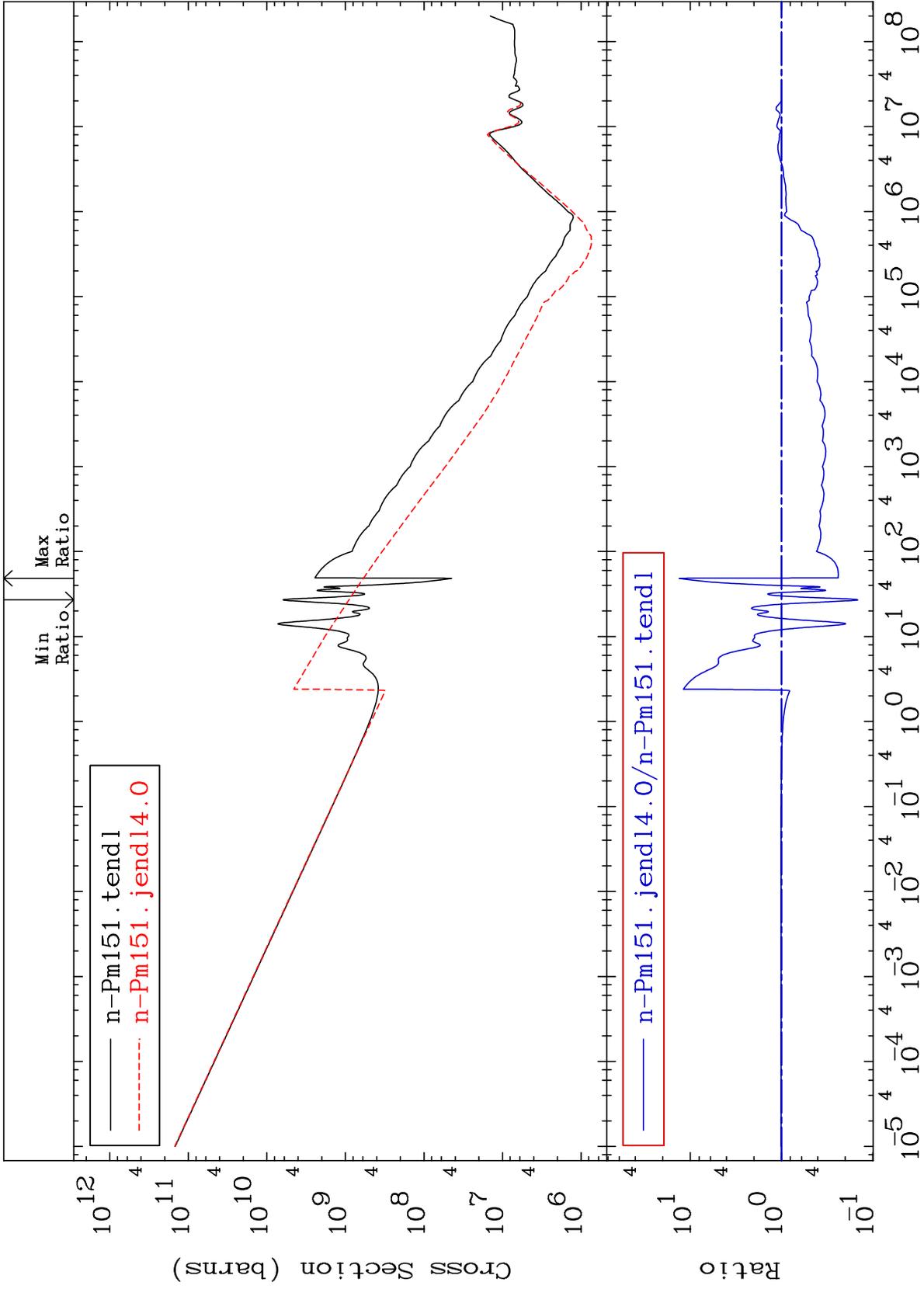


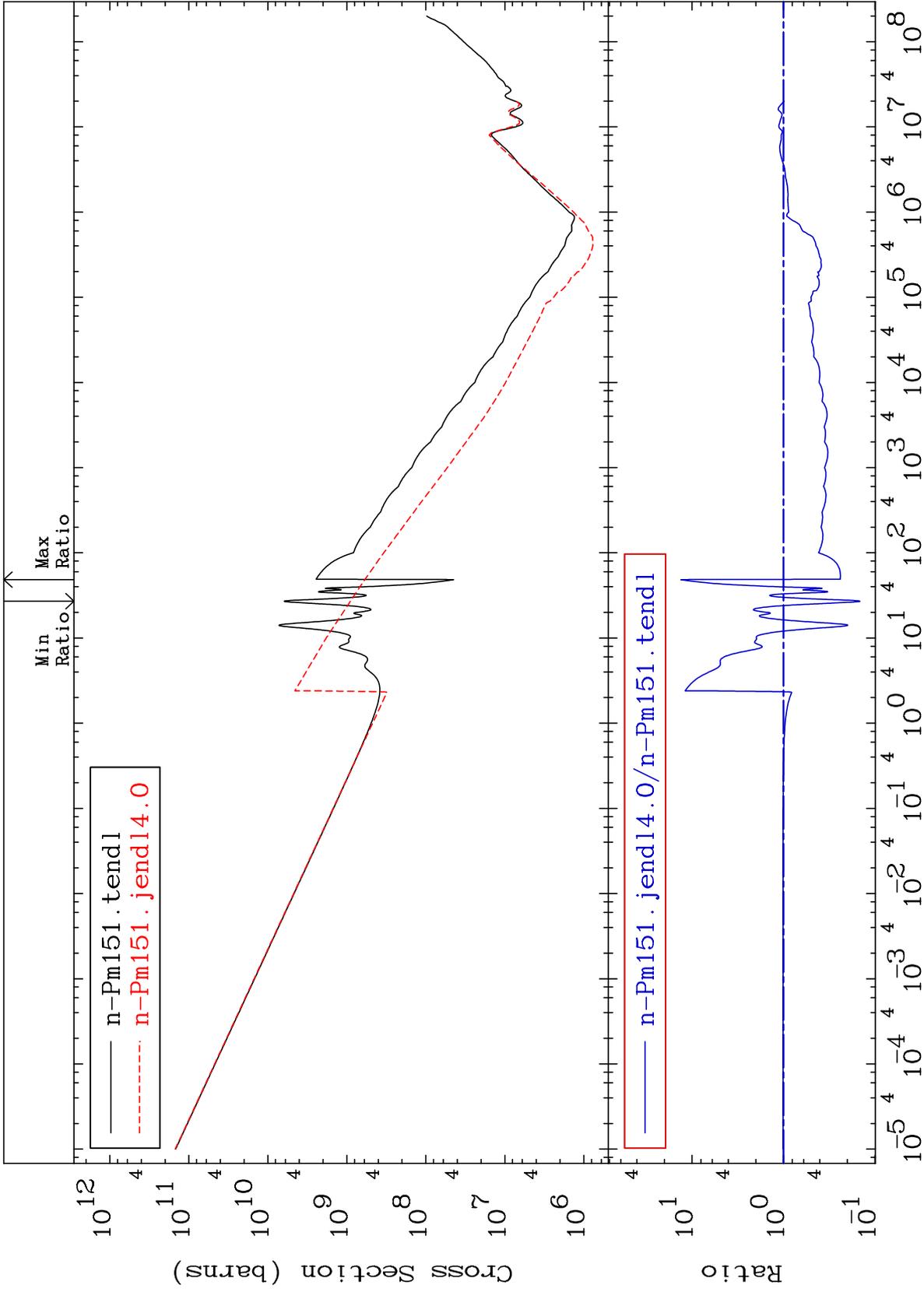


MAT 6161

Total photon (eV-barns)  
Cross Section

61-Pm-151  
-85.48 To 1228. %

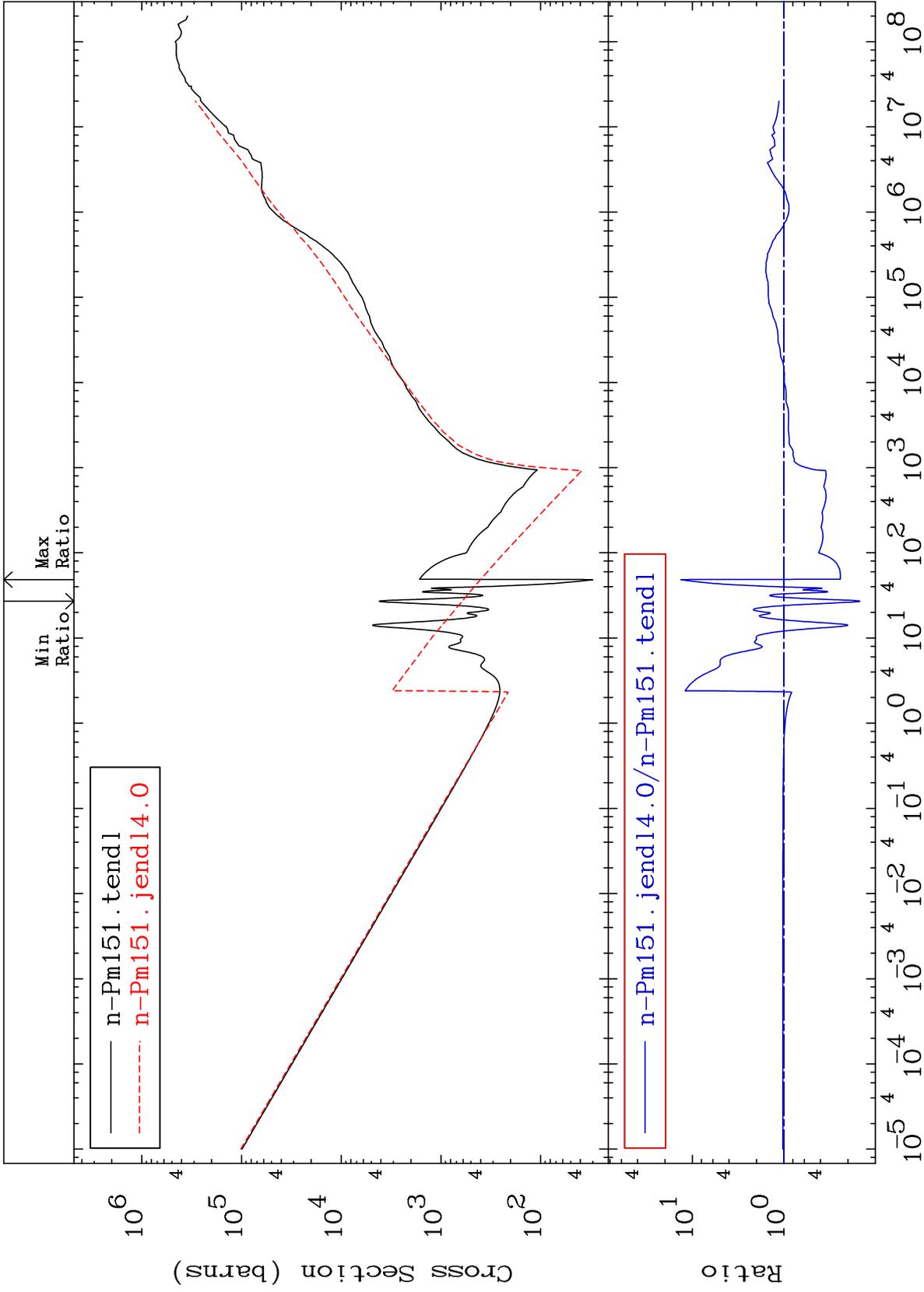


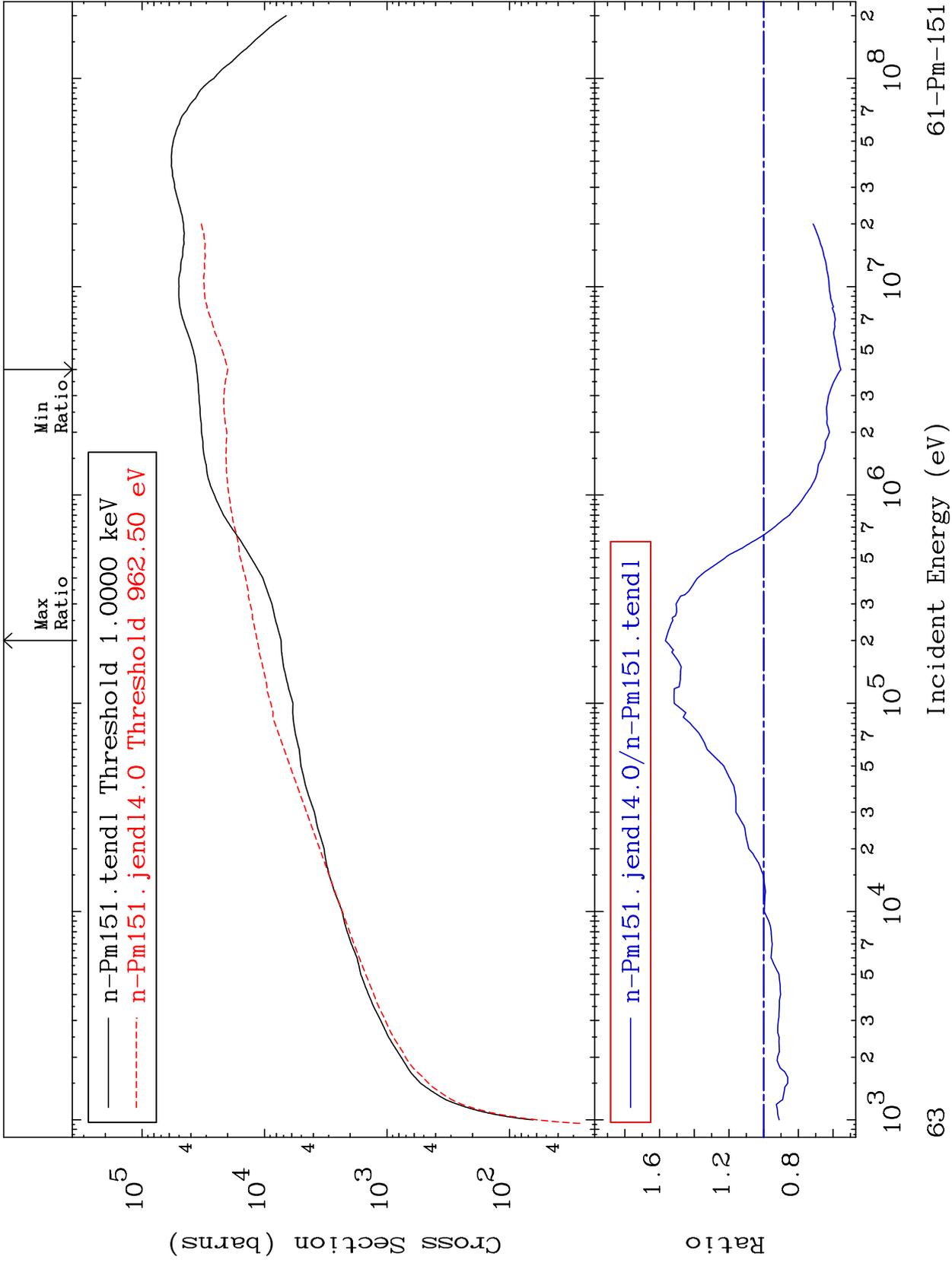


MAT 6161

Dpa total (eV-barns)  
Cross Section

61-Pm-151  
-85.29 To 1244. %

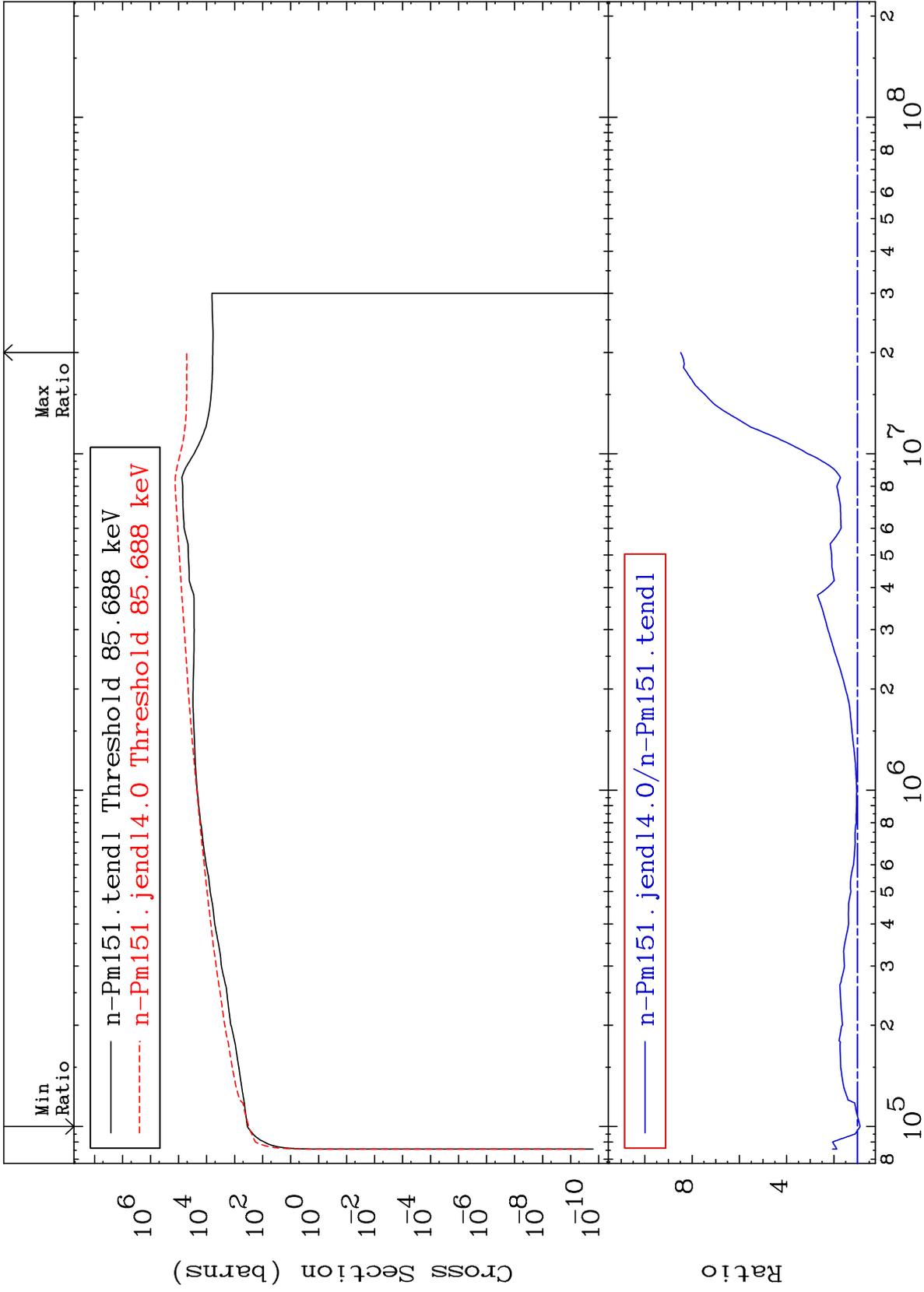




MAT 6161

Dpa inelastic (mt51-91)  
Cross Section

61-Pm-151  
-10.84 To 748.0 %



64

Incident Energy (eV)

61-Pm-151

