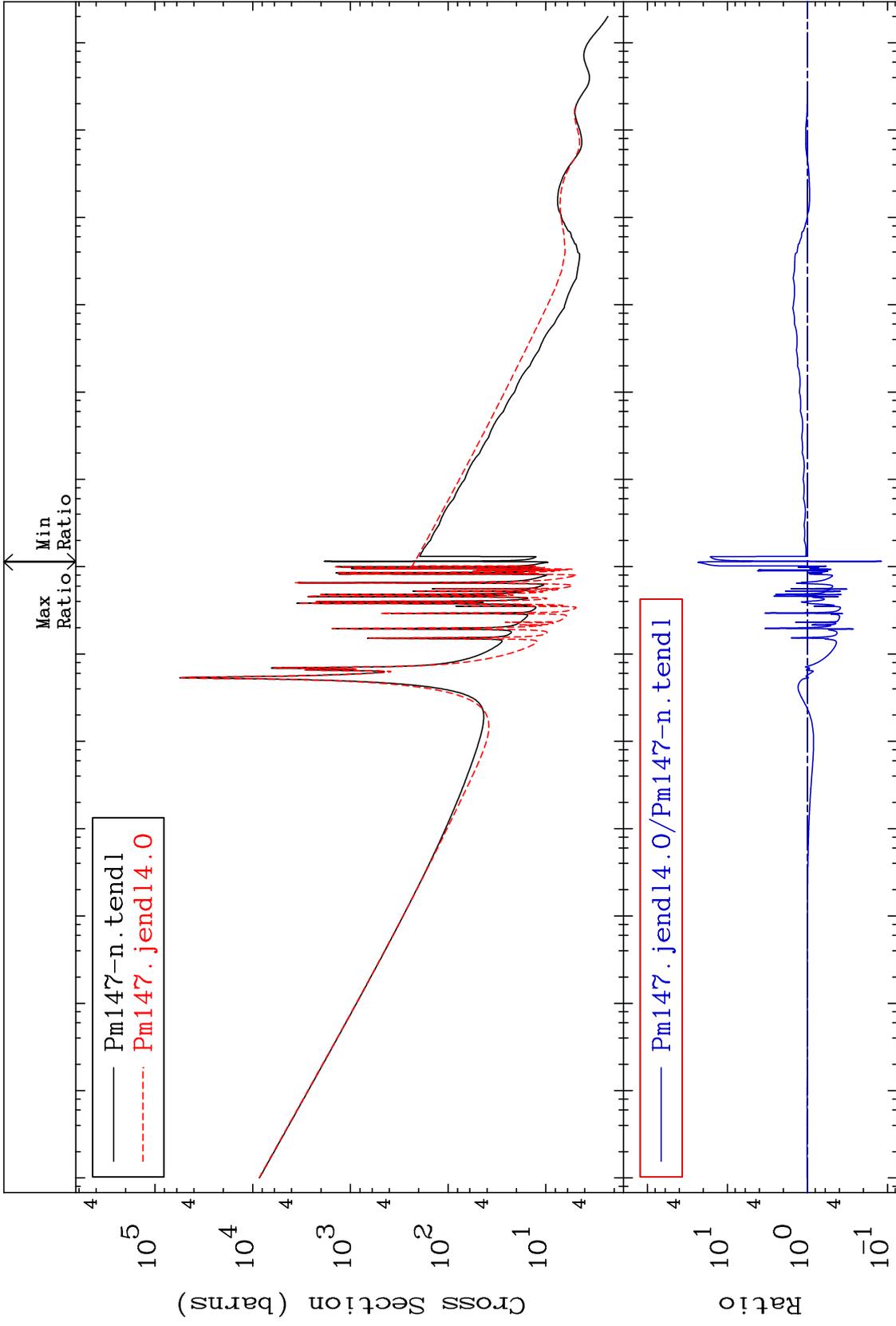


MAT 6149

Total  
Cross Section

61-Pm-147  
-88.13 To 2246. %



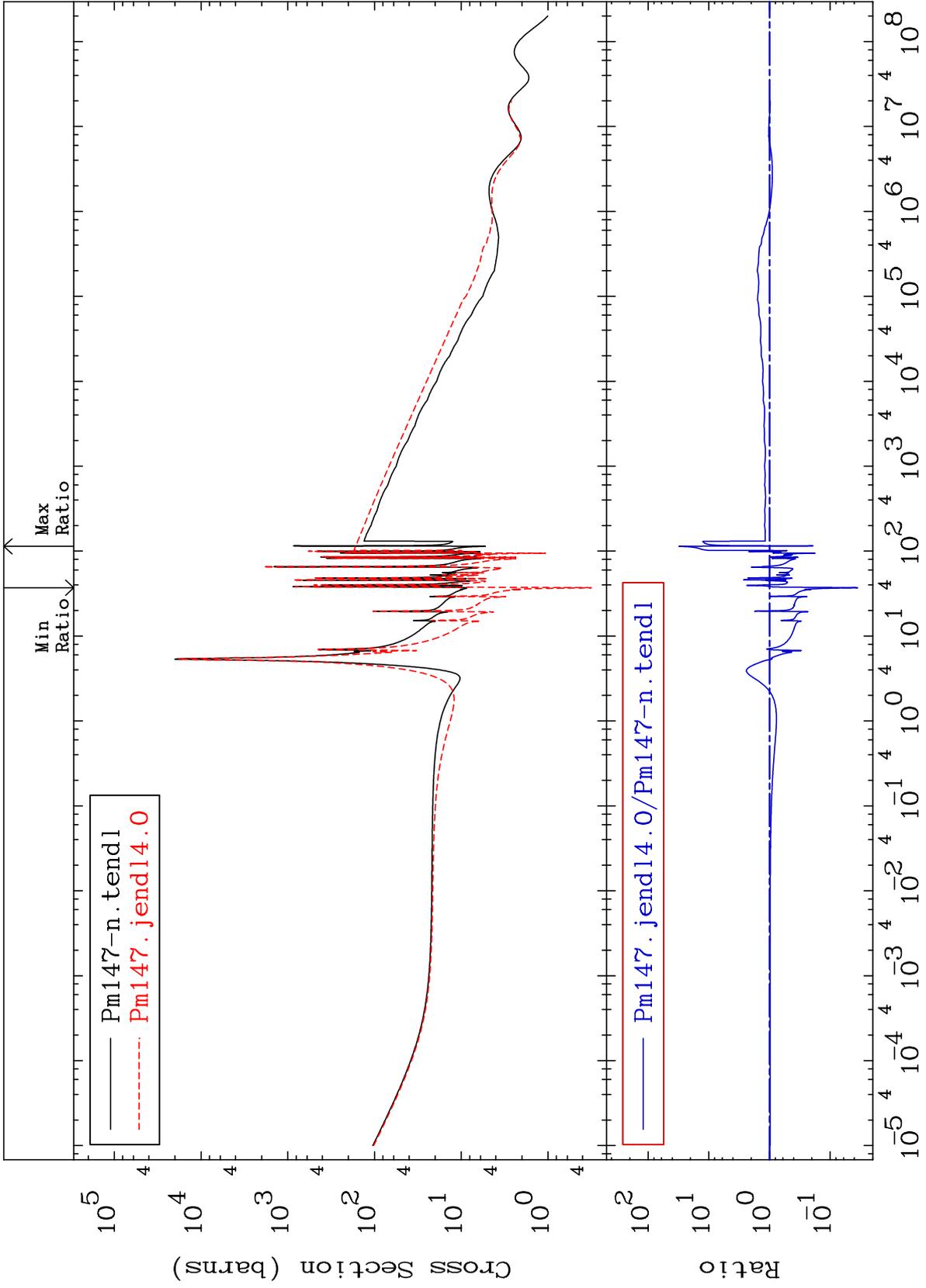
Incident Energy (eV)

61-Pm-147

MAT 6149

Elastic  
Cross Section

61-Pm-147  
-96.47 To 3019. %



Incident Energy (eV)

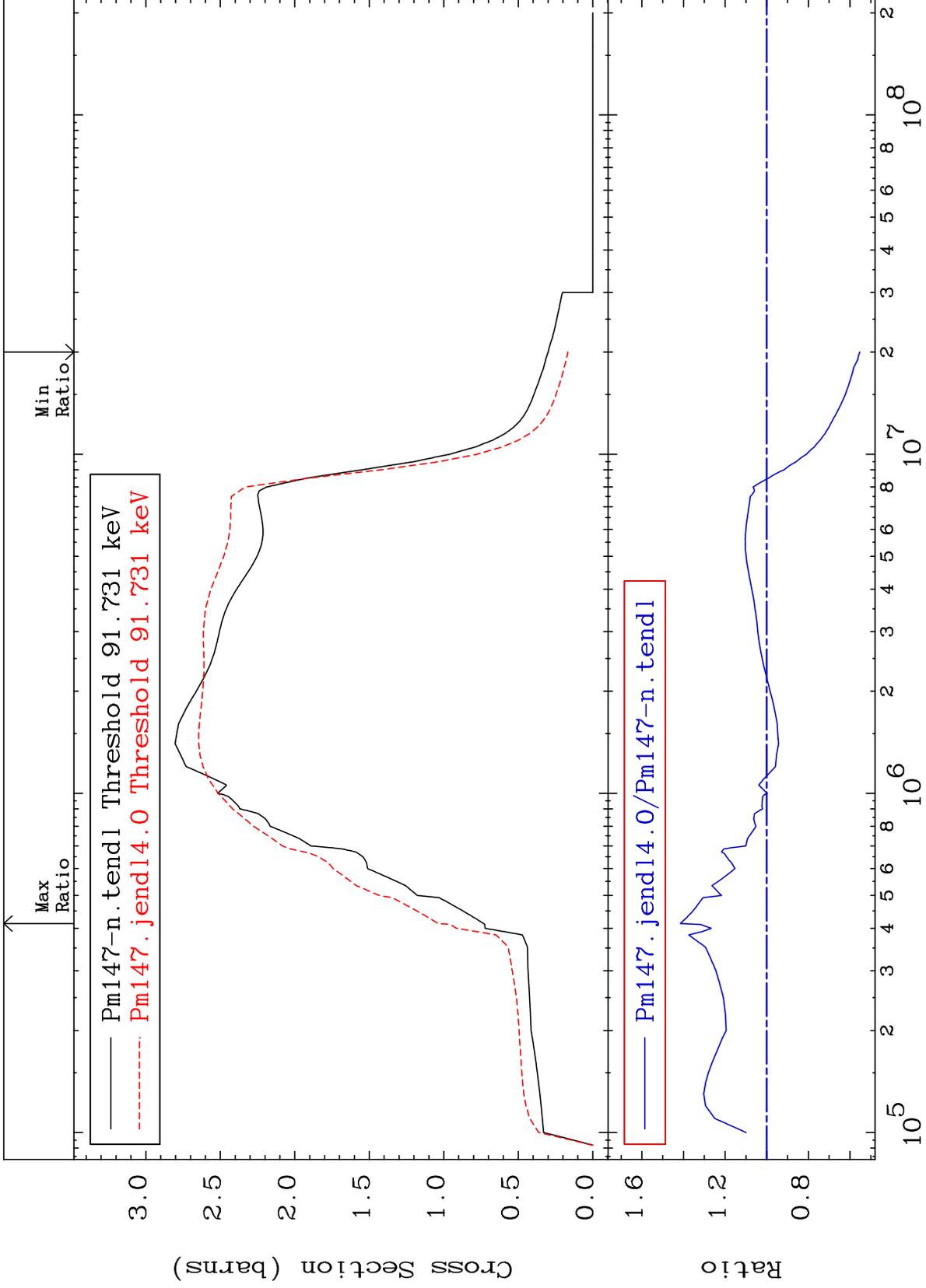
61-Pm-147

2

MAT 6149

Inelastic  
Cross Section

61-Pm-147  
-44.70 To 41.44 %



3

Incident Energy (eV)

61-Pm-147

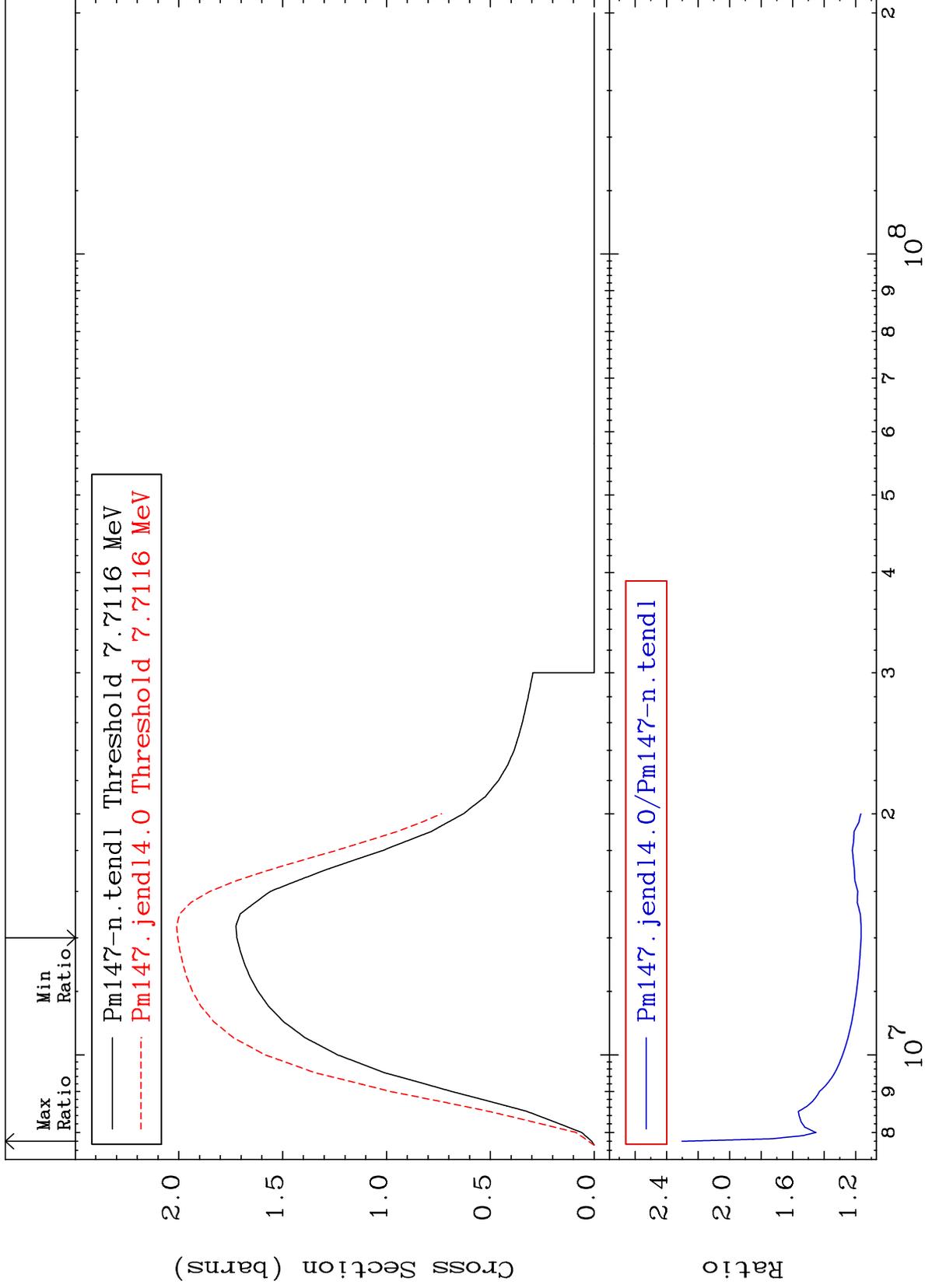
MAT 6149

(n,2n)

61-Pm-147

Cross Section

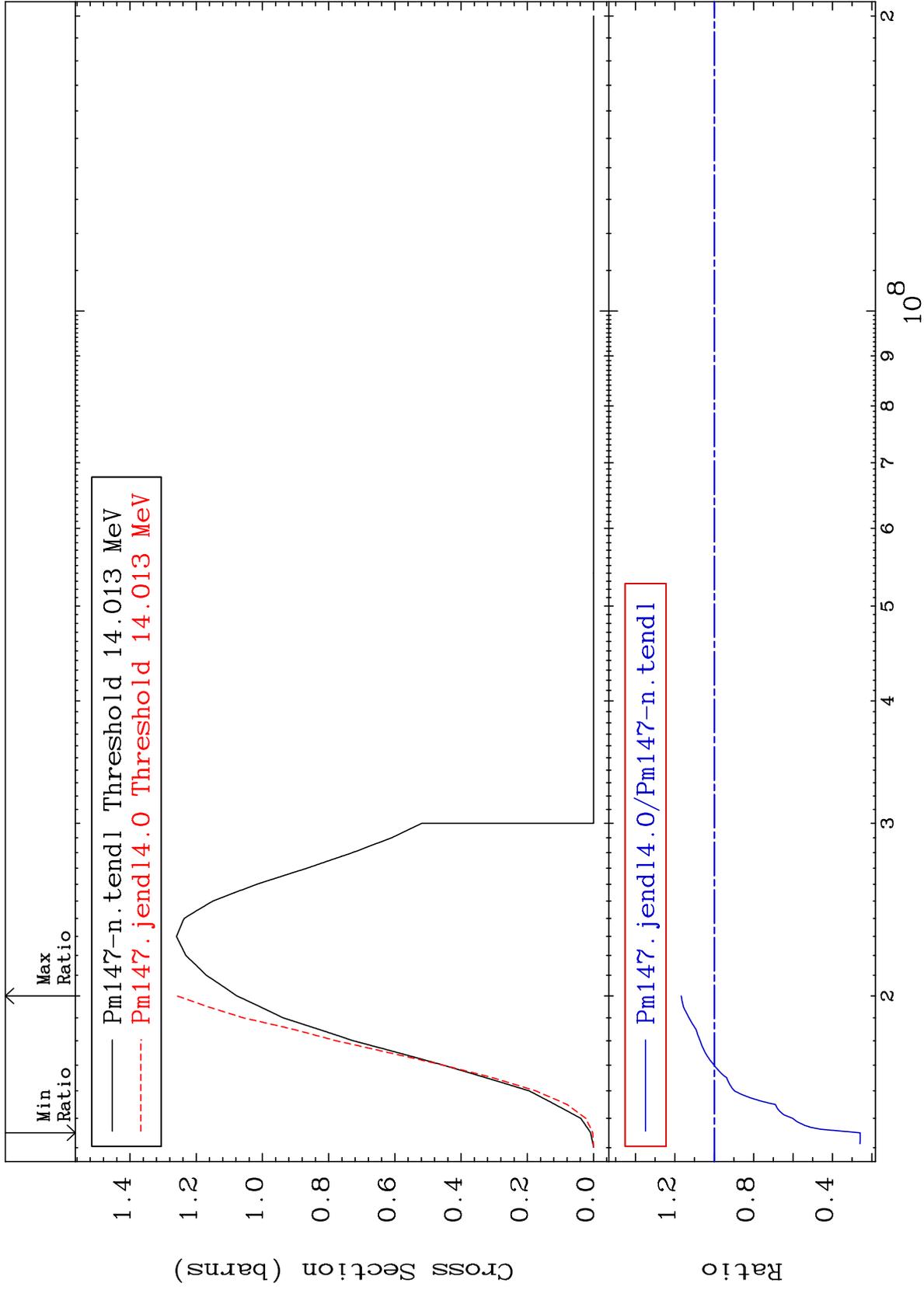
16.54 To 130.3 %



4

Incident Energy (eV)

61-Pm-147



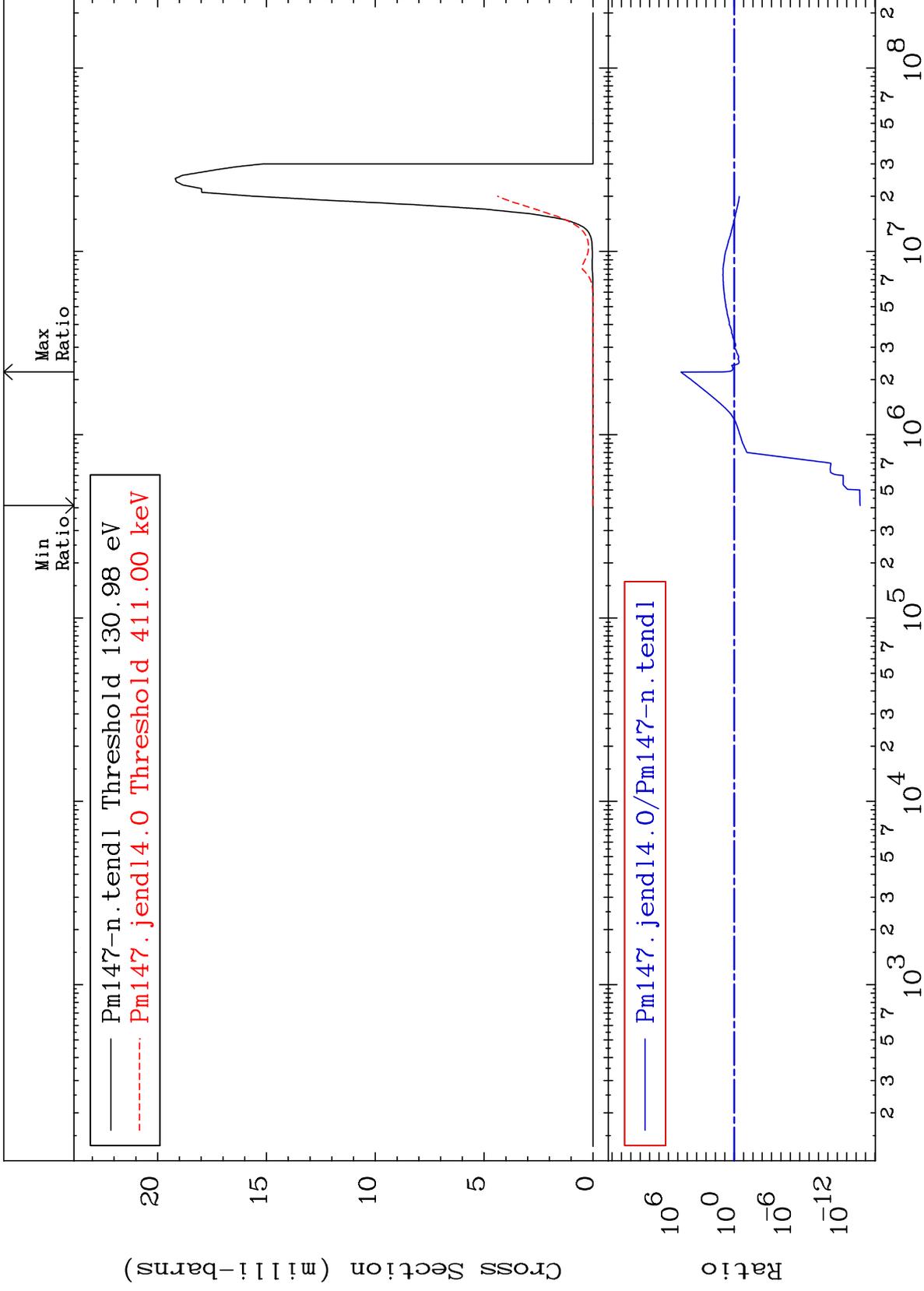
MAT 6149

(n, n')  $\alpha$

61-Pm-147

Cross Section

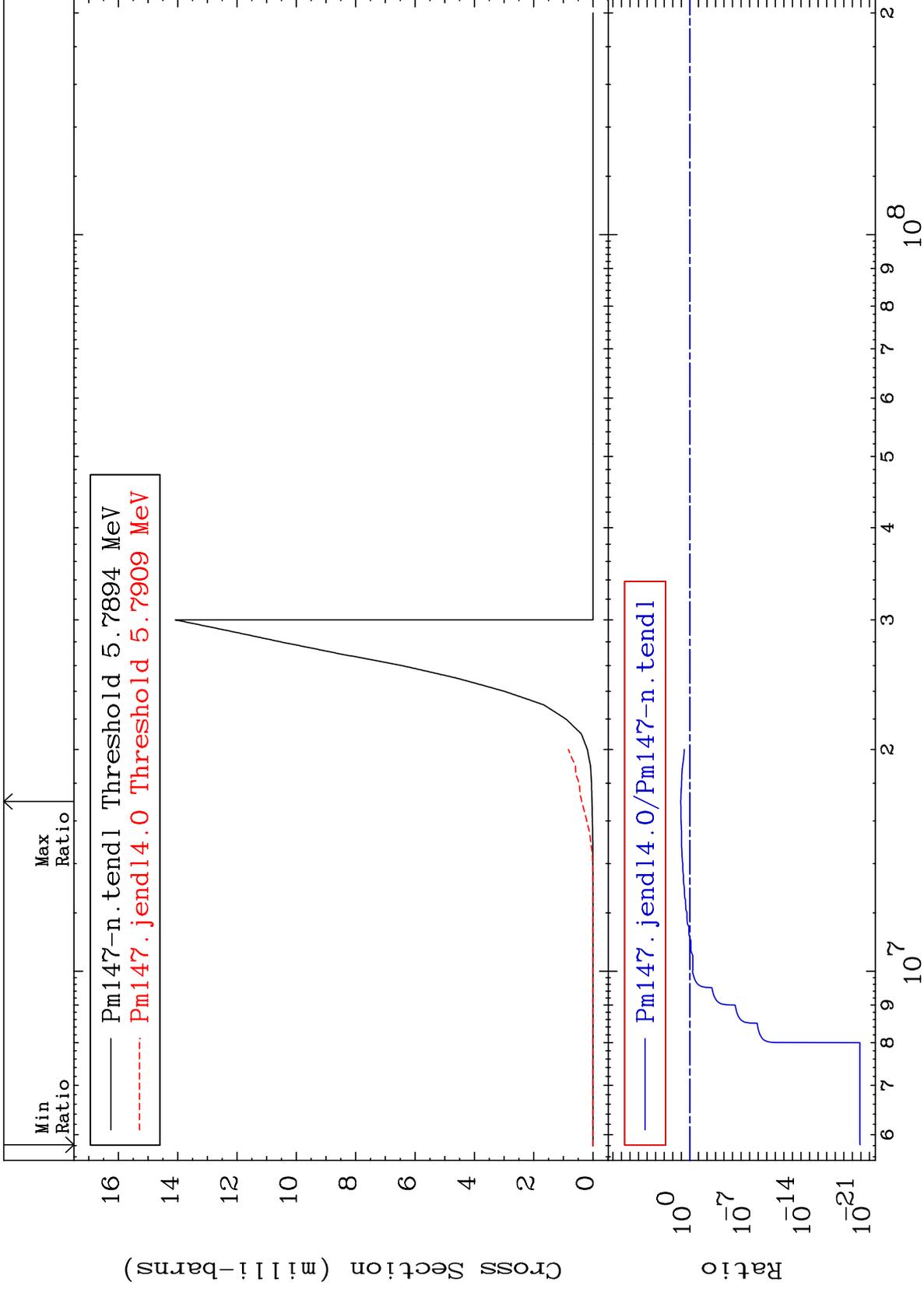
-100.0 To 9999. %



MAT 6149

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

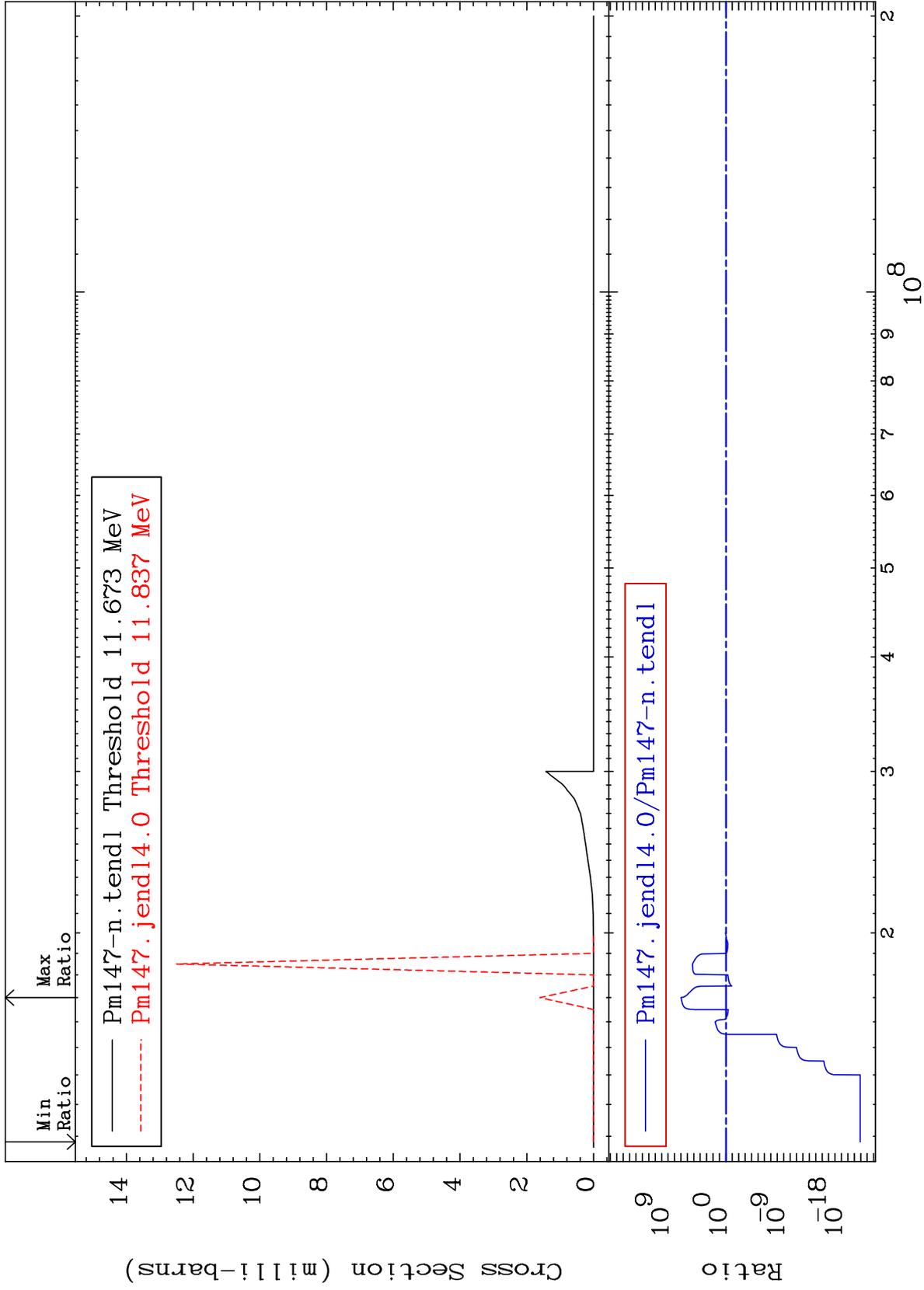
61-Pm-147  
-100.0 To 1047. %



7

61-Pm-147

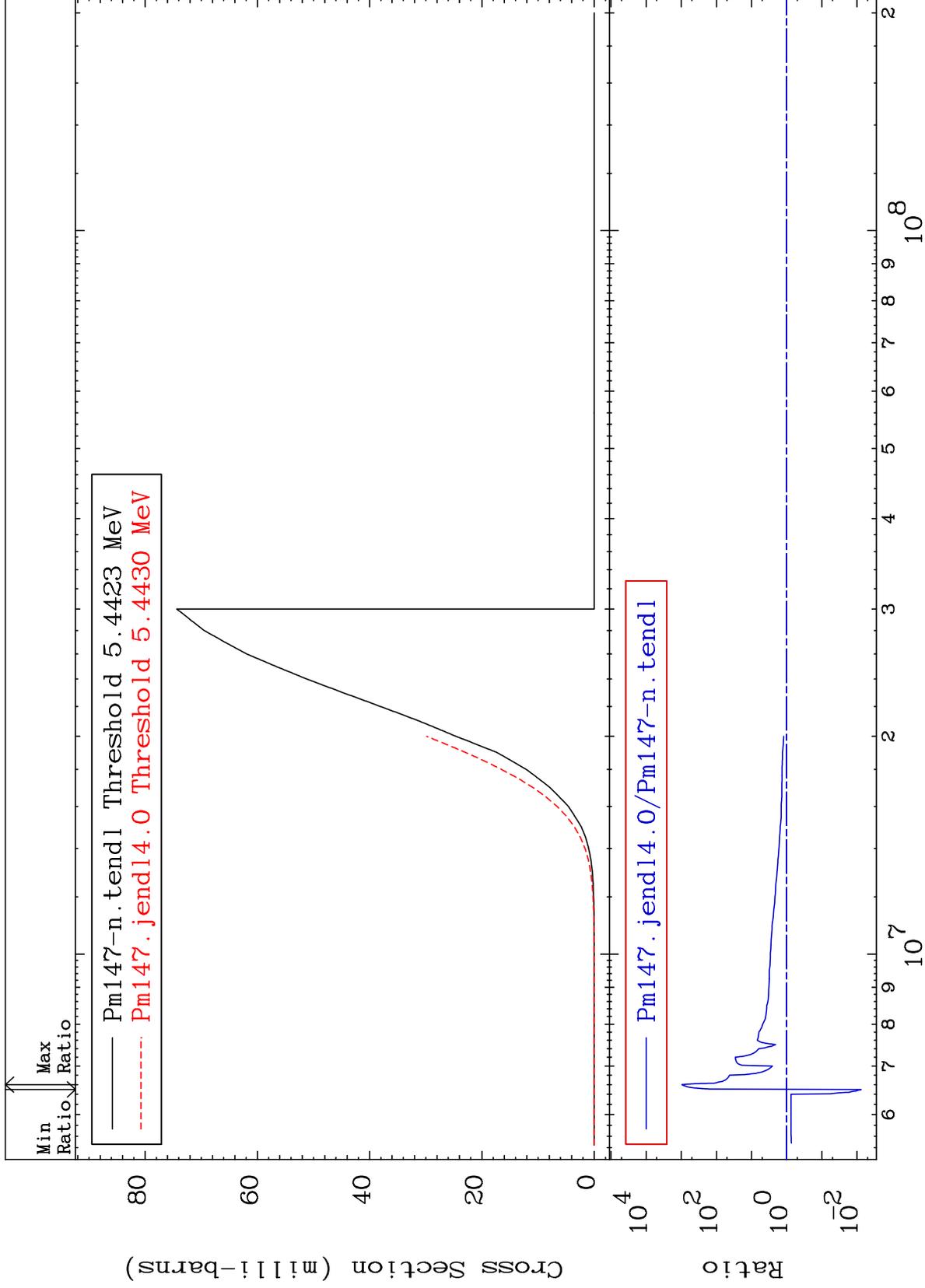
61-Pm-147



MAT 6149

(n, n') p  
Cross Section

61-Pm-147  
-99.24 To 9999. %



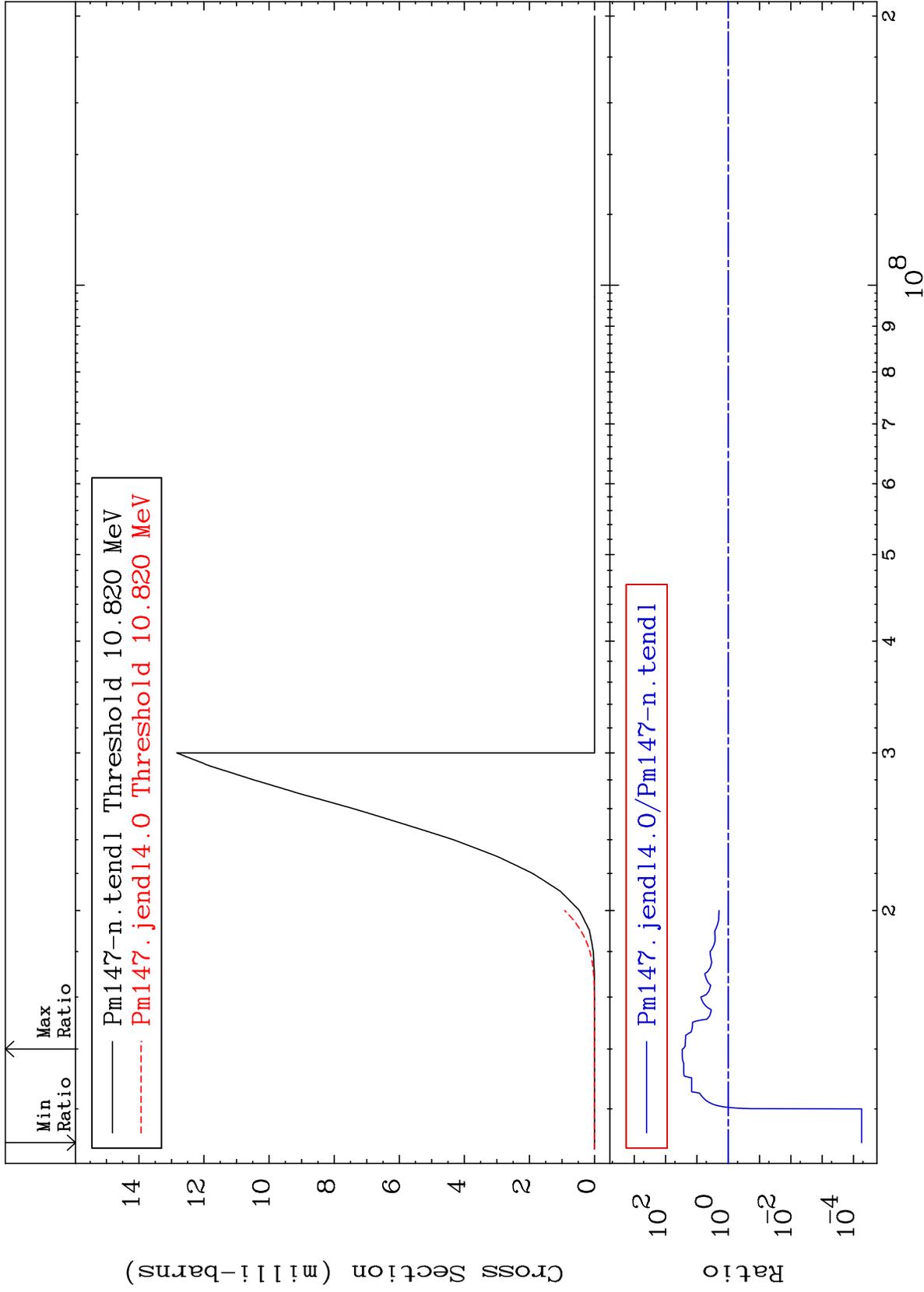
MAT 6149

(n,n') d

61-Pm-147

Cross Section

-99.99 To 2832. %



10

61-Pm-147

61-Pm-147

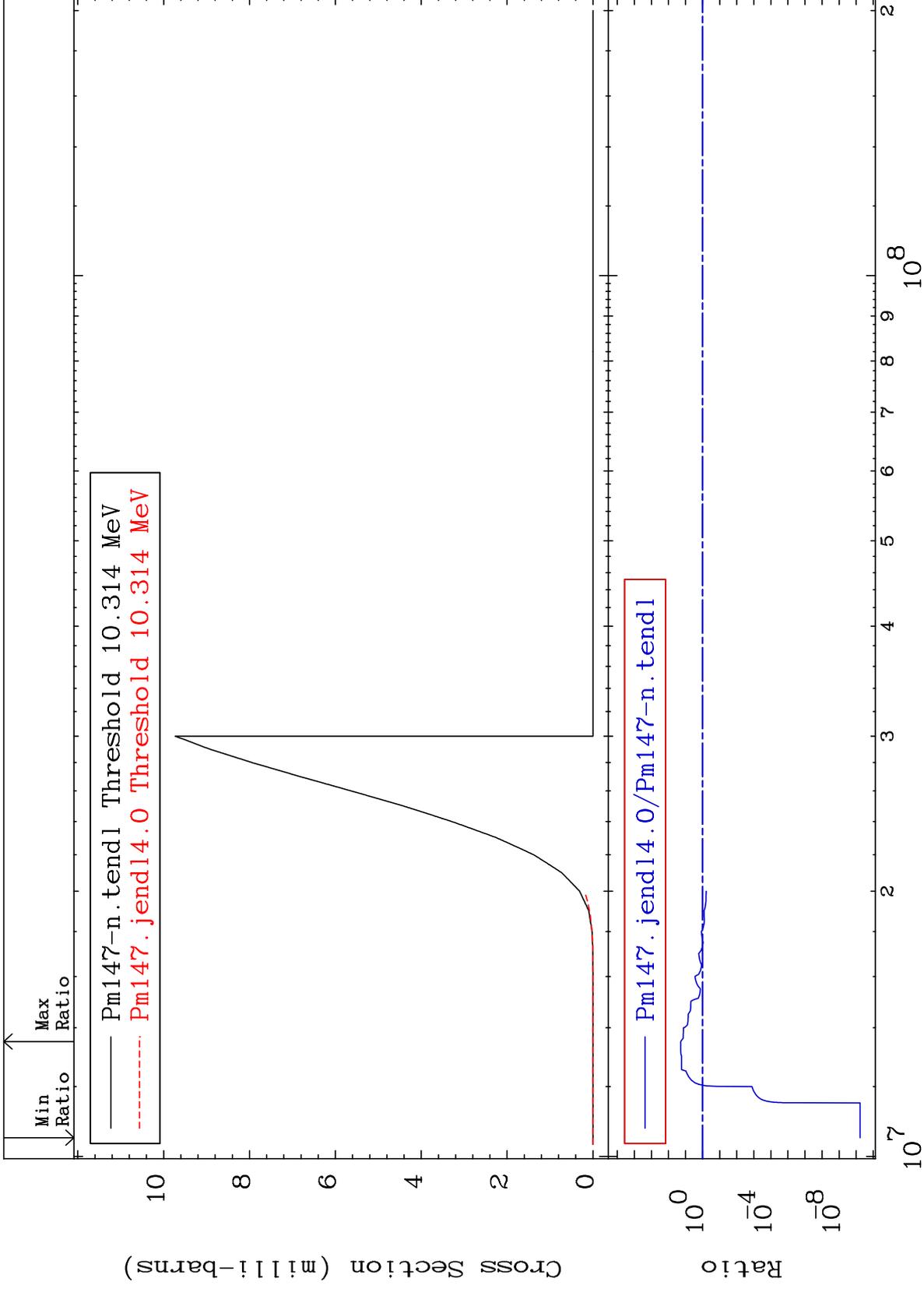
MAT 6149

(n,n') t

61-Pm-147

Cross Section

-100.0 To 1806. %



11

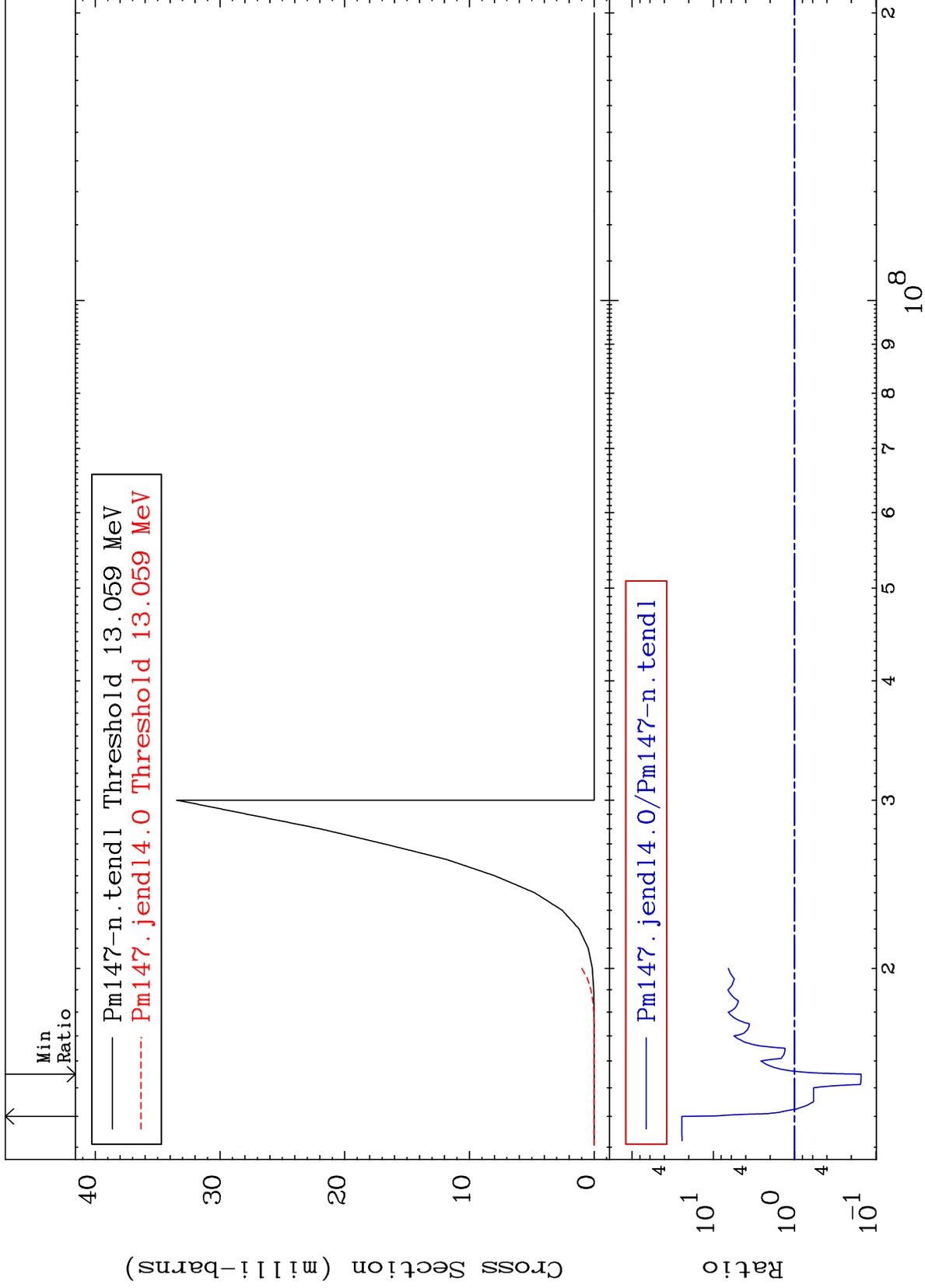
61-Pm-147

61-Pm-147

MAT 6149

(n,2n) p  
Cross Section

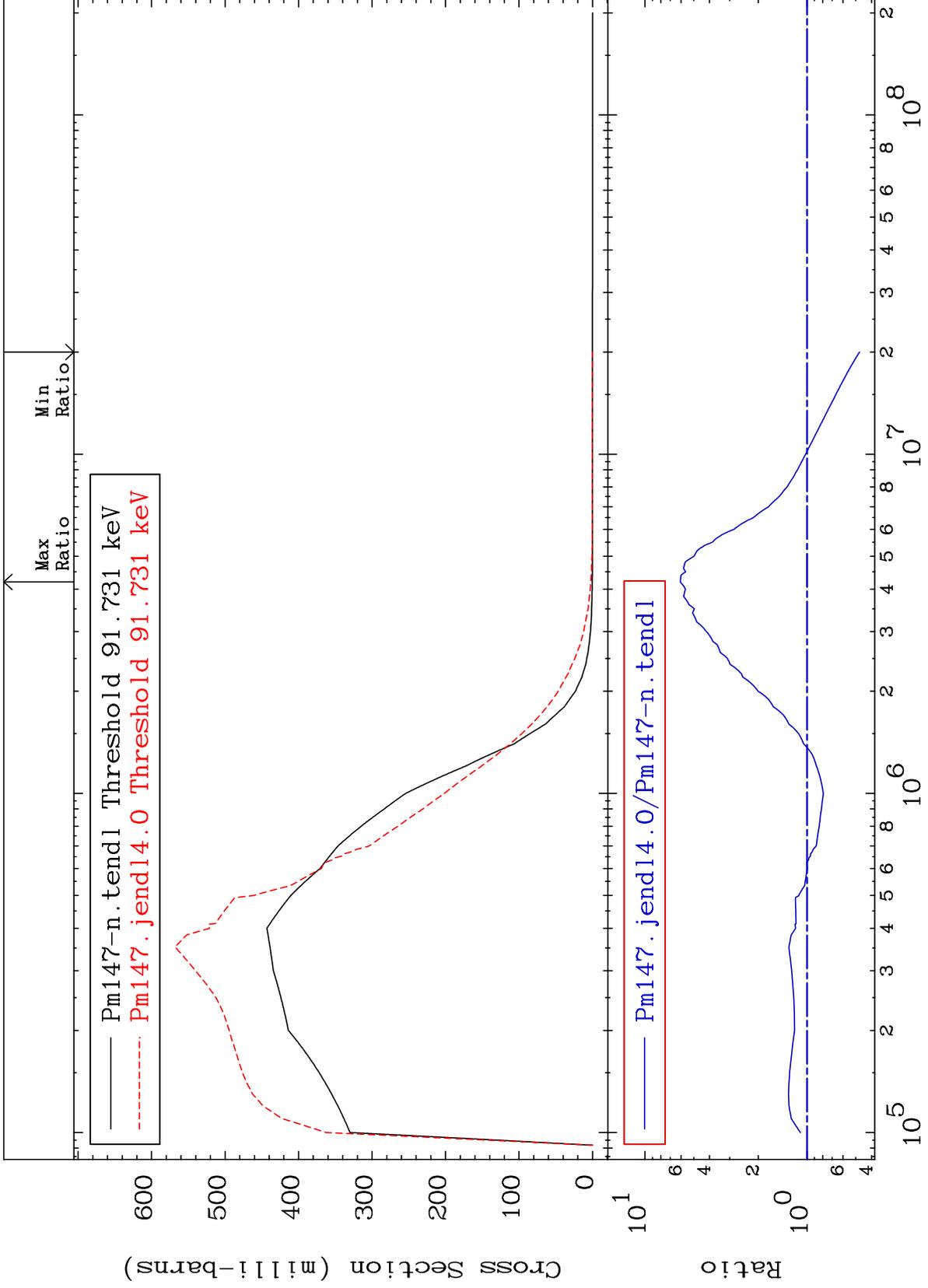
61-Pm-147  
-84.81 To 2333. %



MAT 6149

91.10 keV (n,n') Level  
Cross Section

61-Pm-147  
-52.53 To 506.0 %



13

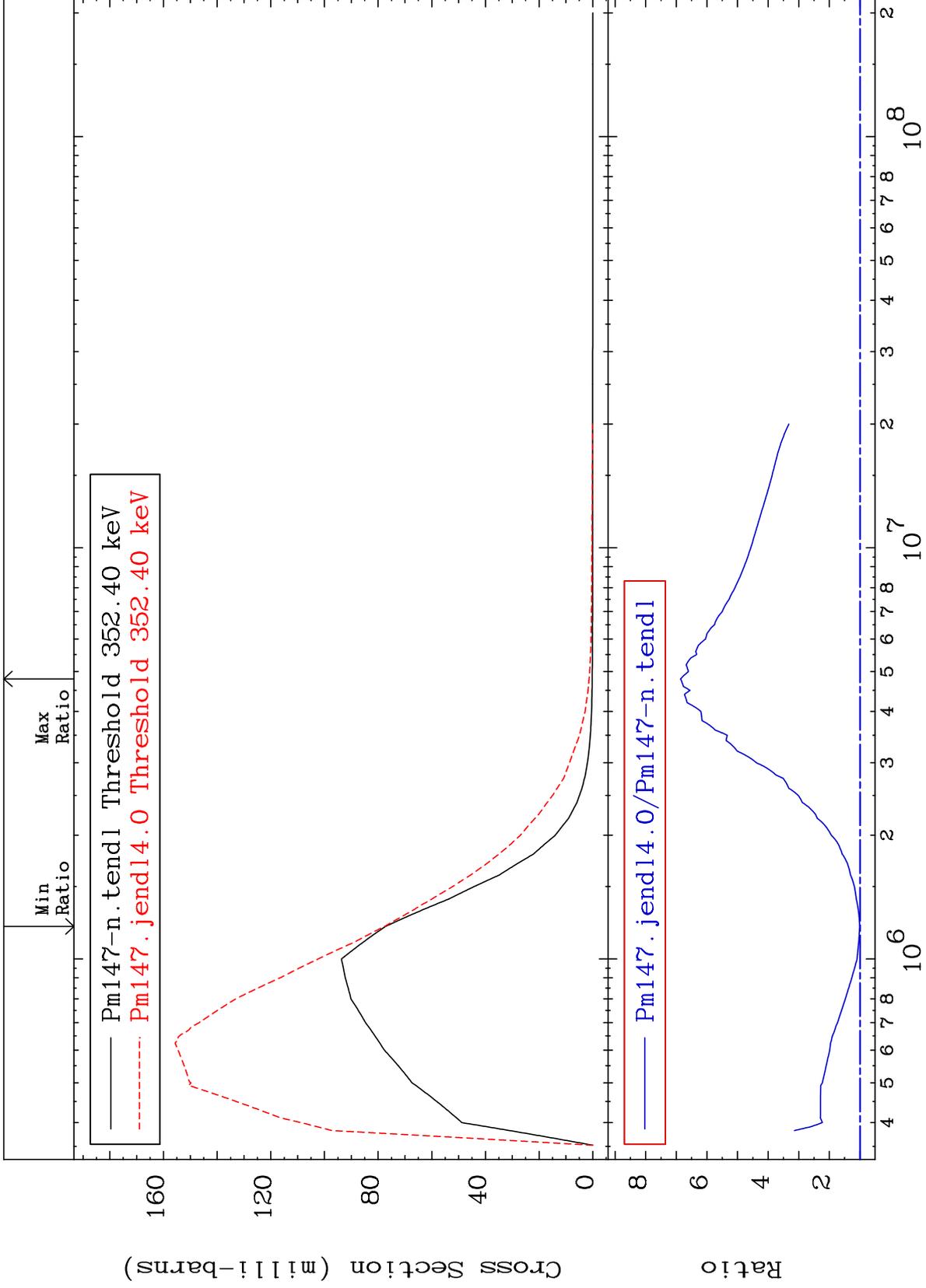
Incident Energy (eV)

61-Pm-147

MAT 6149

350.0 keV (n,n') Level  
Cross Section

61-Pm-147  
0.479 To 586.3 %



14

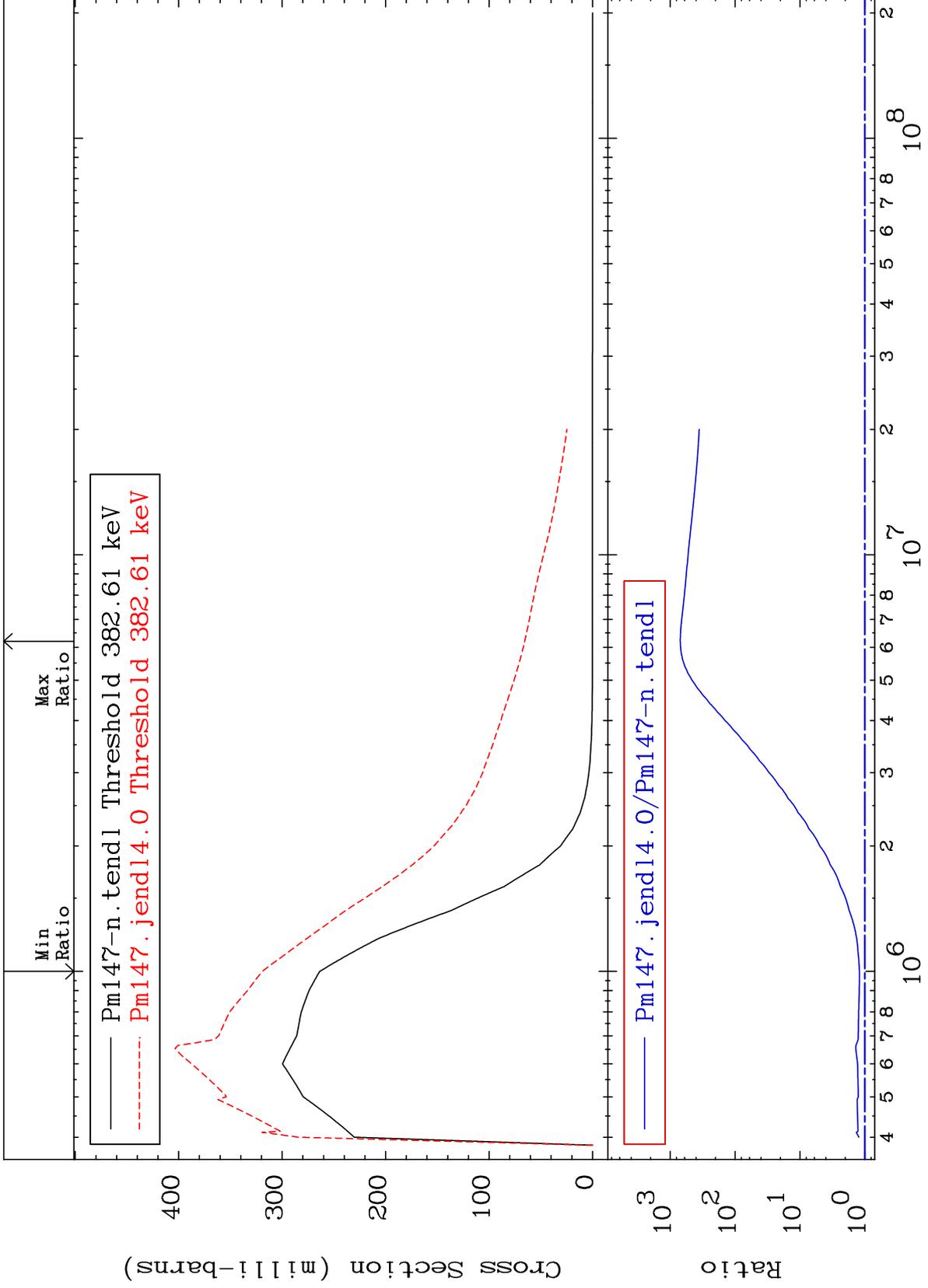
Incident Energy (eV)

61-Pm-147

MAT 6149

380.0 keV (n,n') Level  
Cross Section

61-Pm-147  
21.04 To 9999. %



15

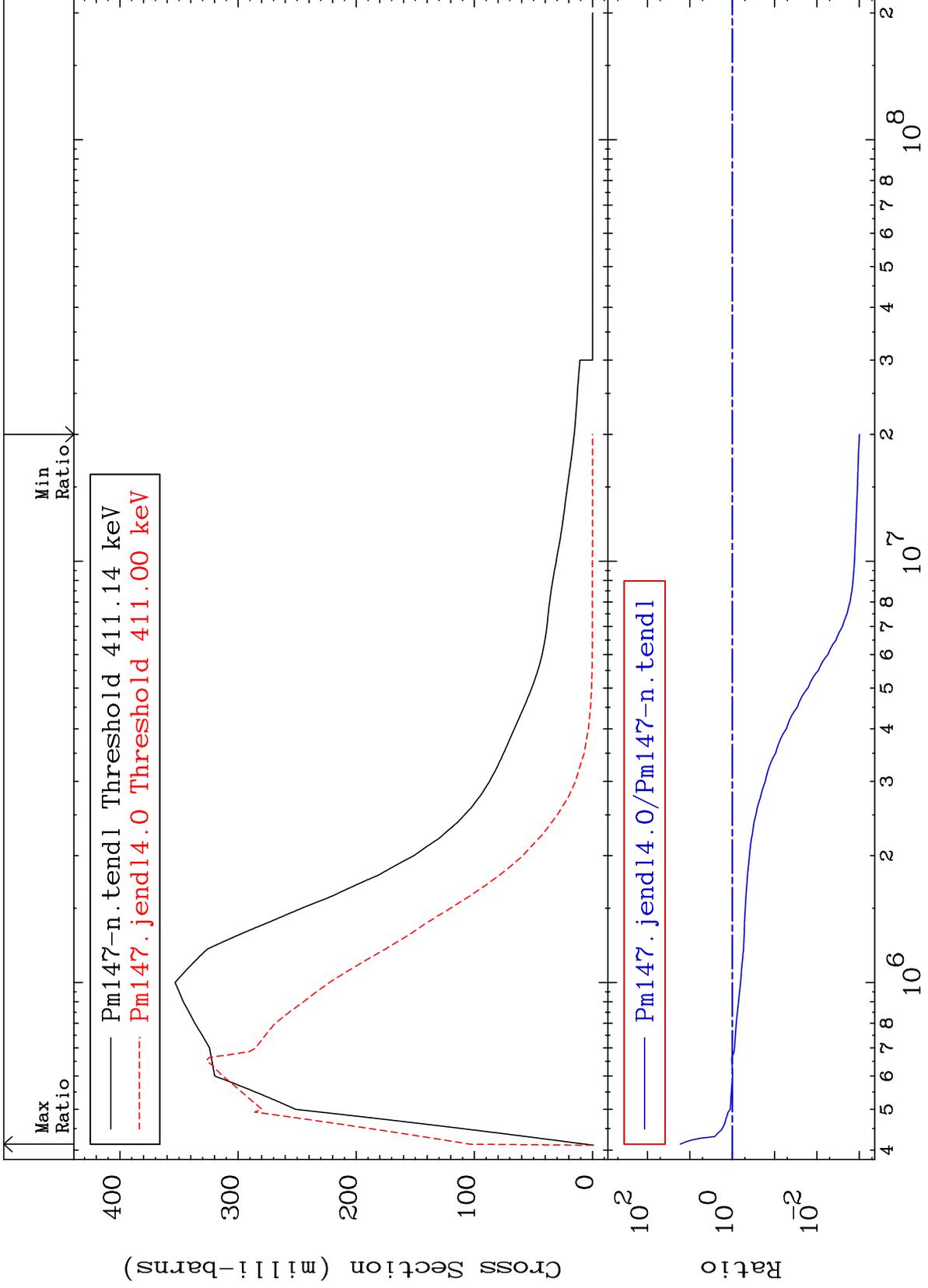
Incident Energy (eV)

61-Pm-147

MAT 6149

408.3 keV (n,n') Level  
Cross Section

61-Pm-147  
-99.90 To 1575. %



16

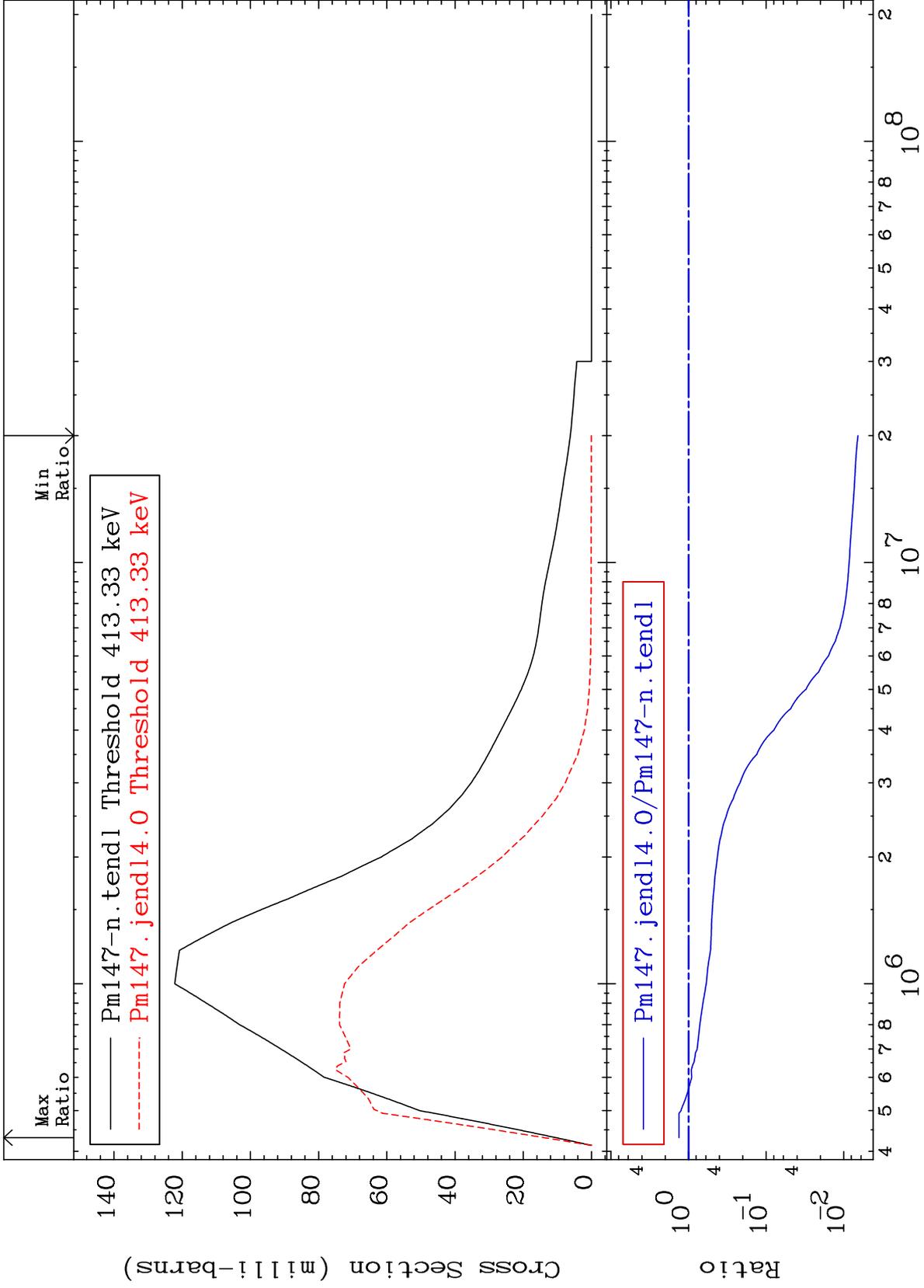
Incident Energy (eV)

61-Pm-147

MAT 6149

410.5 keV (n,n') Level  
Cross Section

61-Pm-147  
-99.34 To 32.68 %



17

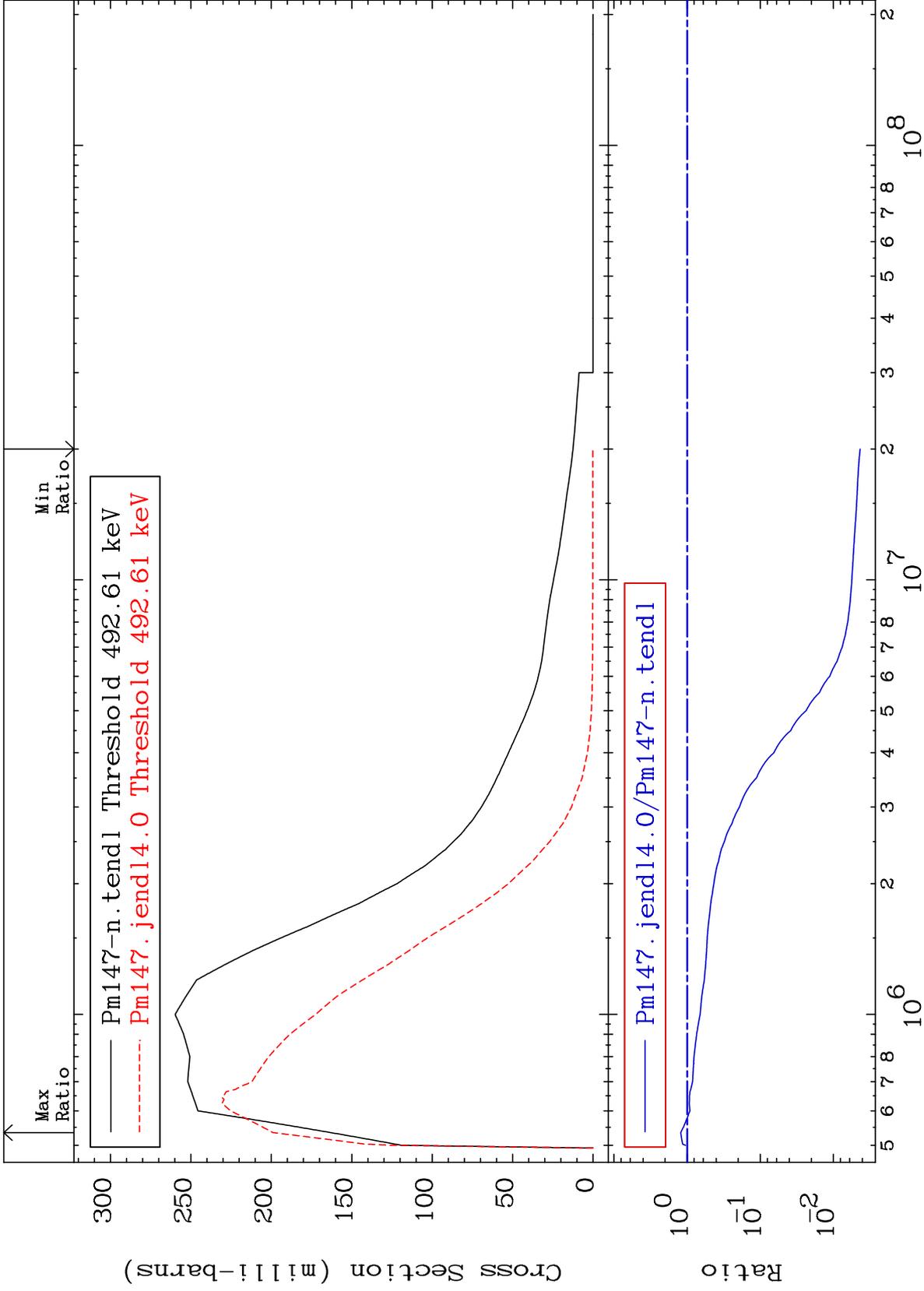
61-Pm-147

61-Pm-147

MAT 6149

489.3 keV (n,n') Level  
Cross Section

61-Pm-147  
-99.57 To 22.07 %



18

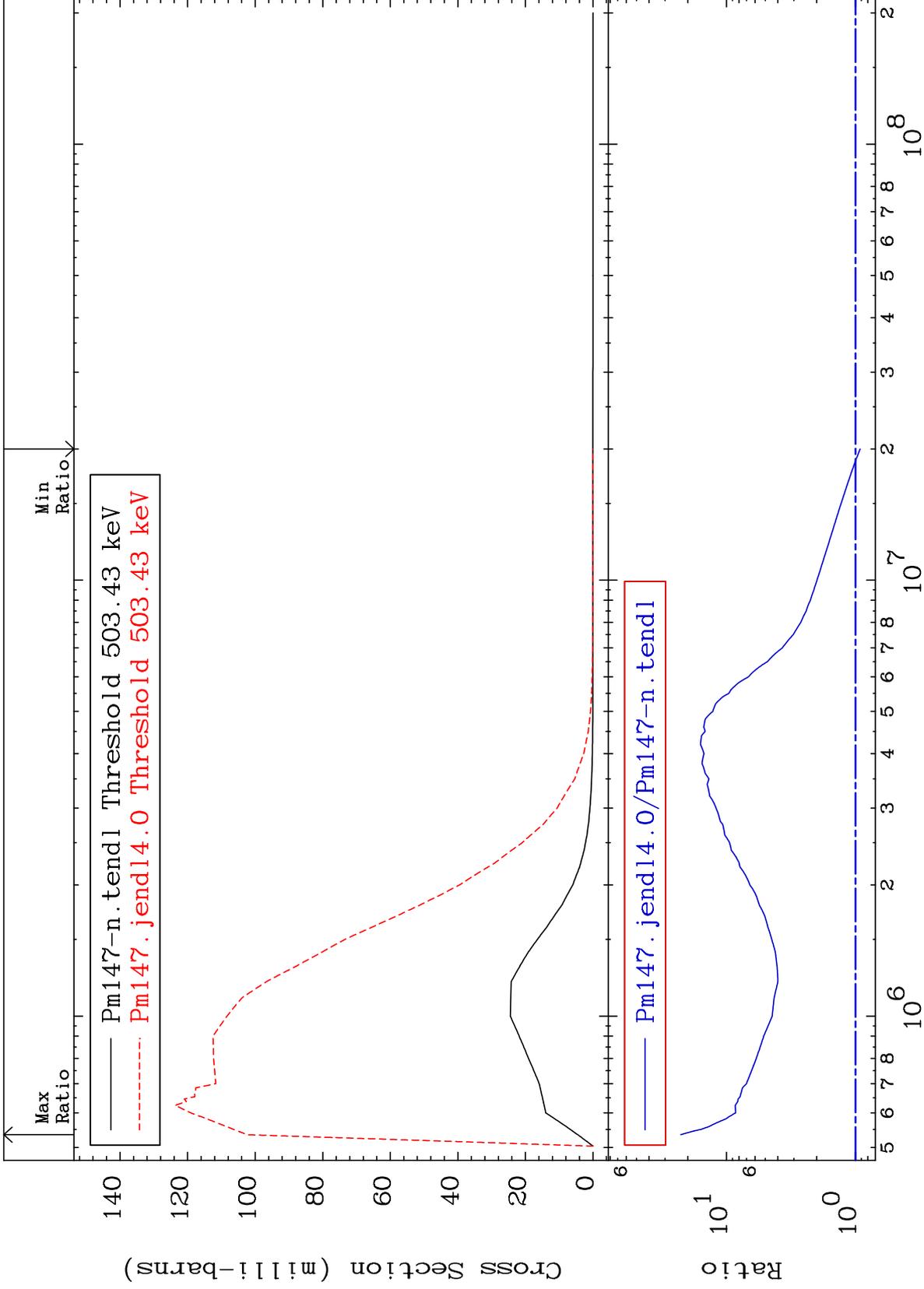
Incident Energy (eV)

61-Pm-147

MAT 6149

500.0 keV (n,n') Level  
Cross Section

61-Pm-147  
-7.999 To 2166. %



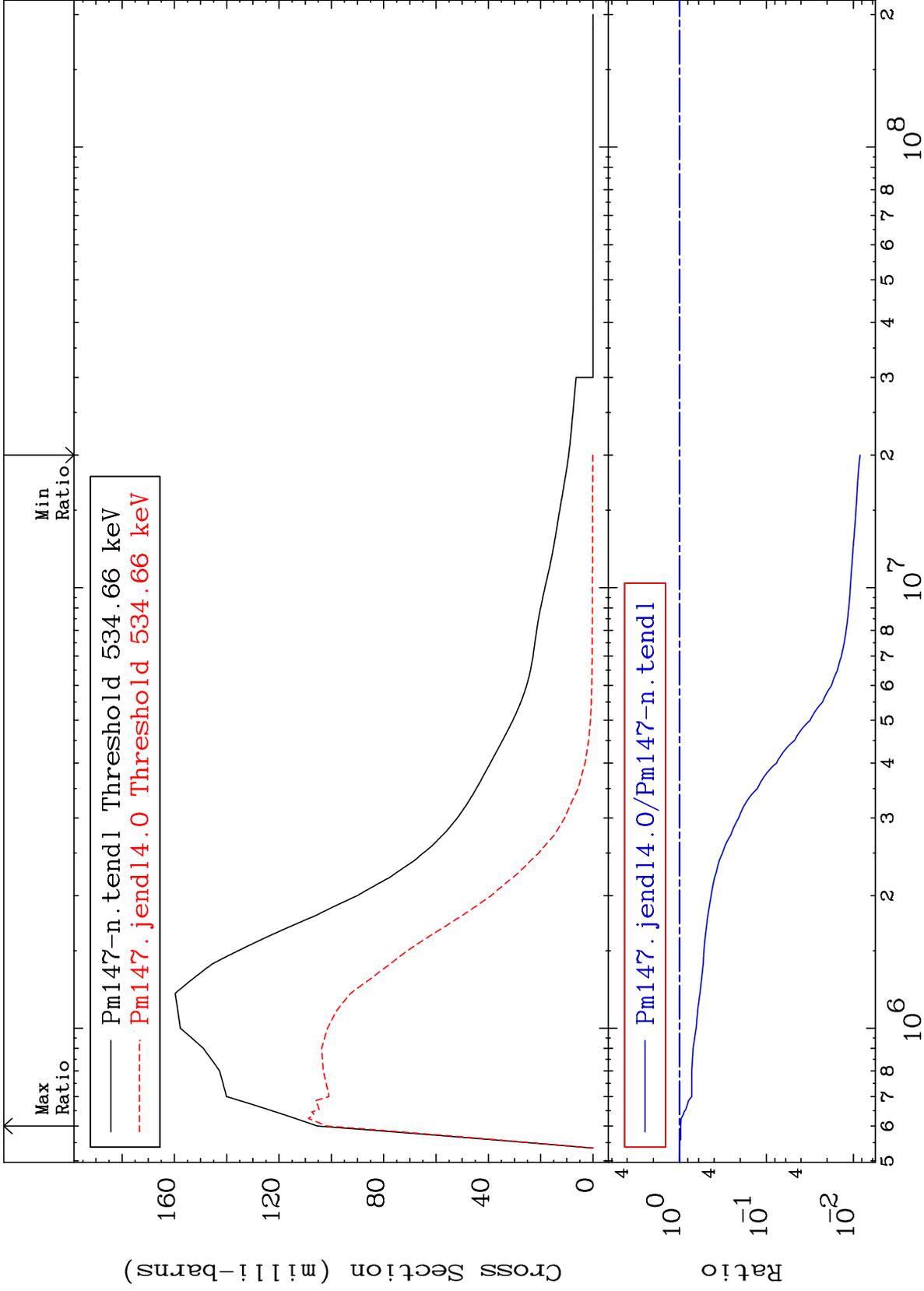
19

61-Pm-147

MAT 6149

531.0 keV (n,n') Level  
Cross Section

61-Pm-147  
-99.16 To -3.414%



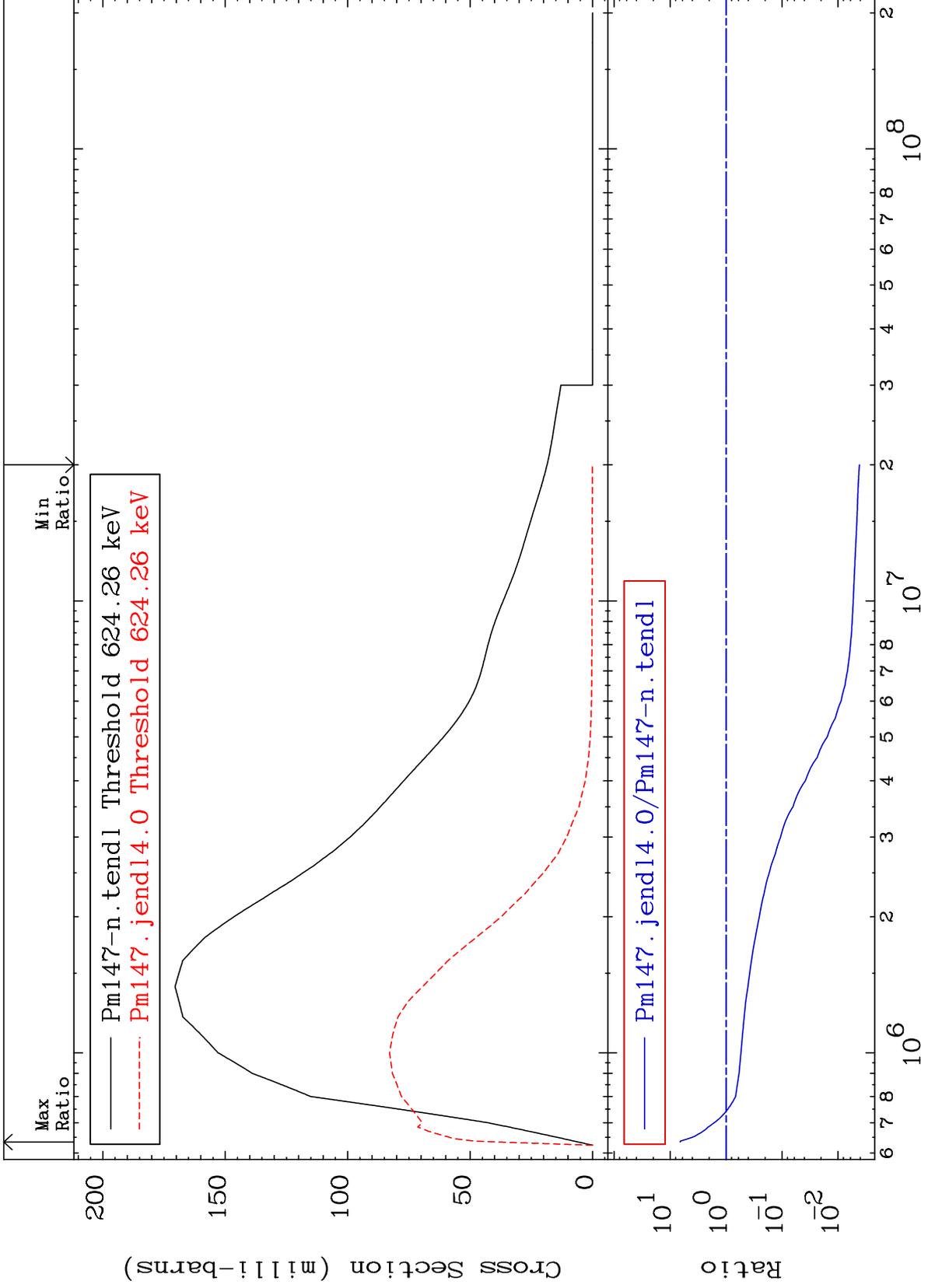
20

61-Pm-147

MAT 6149

620.0 keV (n,n') Level  
Cross Section

61-Pm-147  
-99.59 To 558.6 %



21

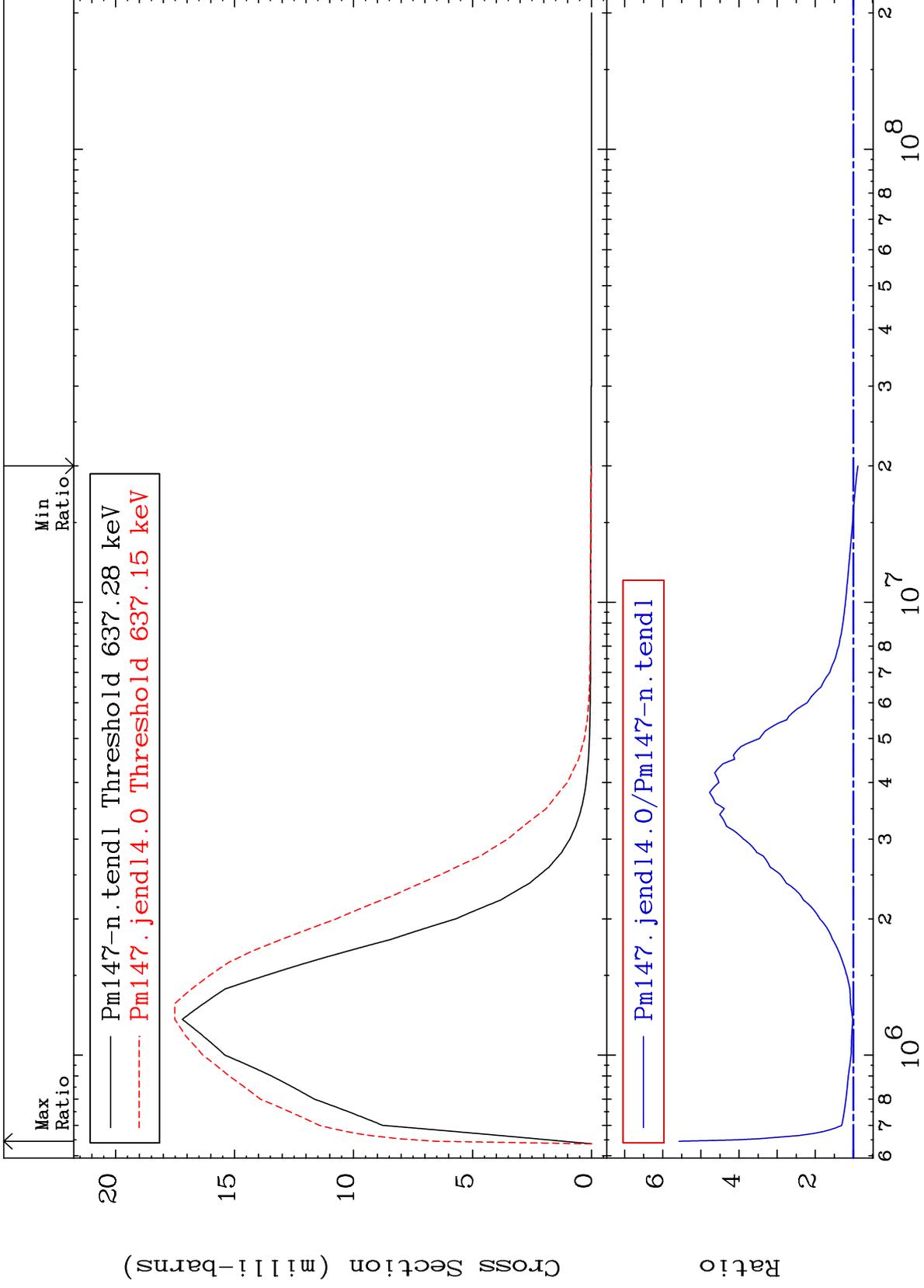
Incident Energy (eV)

61-Pm-147

MAT 6149

632.9 keV (n,n') Level  
Cross Section

61-Pm-147  
-11.89 To 457.2 %



22

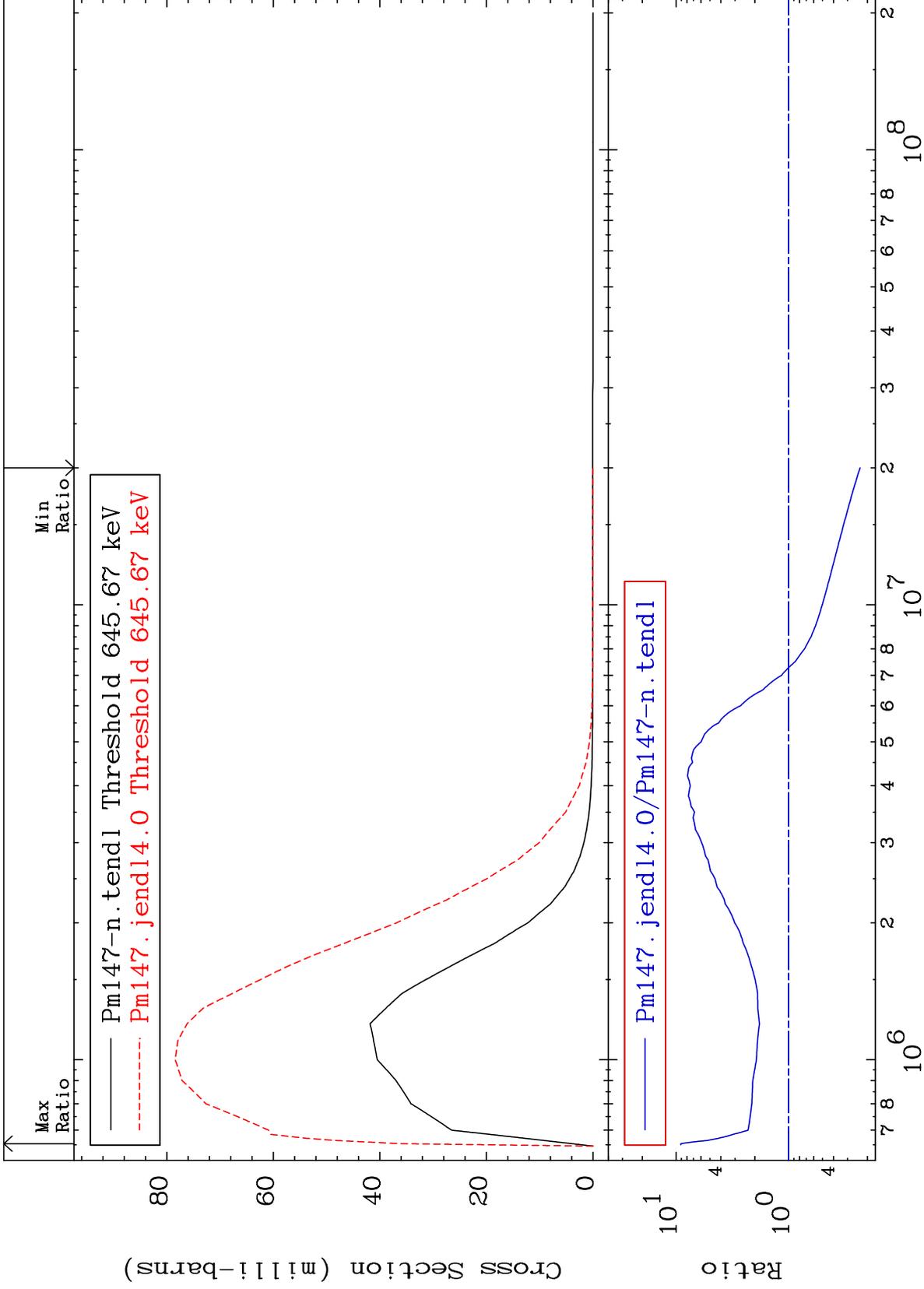
Incident Energy (eV)

61-Pm-147

MAT 6149

641.3 keV (n,n') Level  
Cross Section

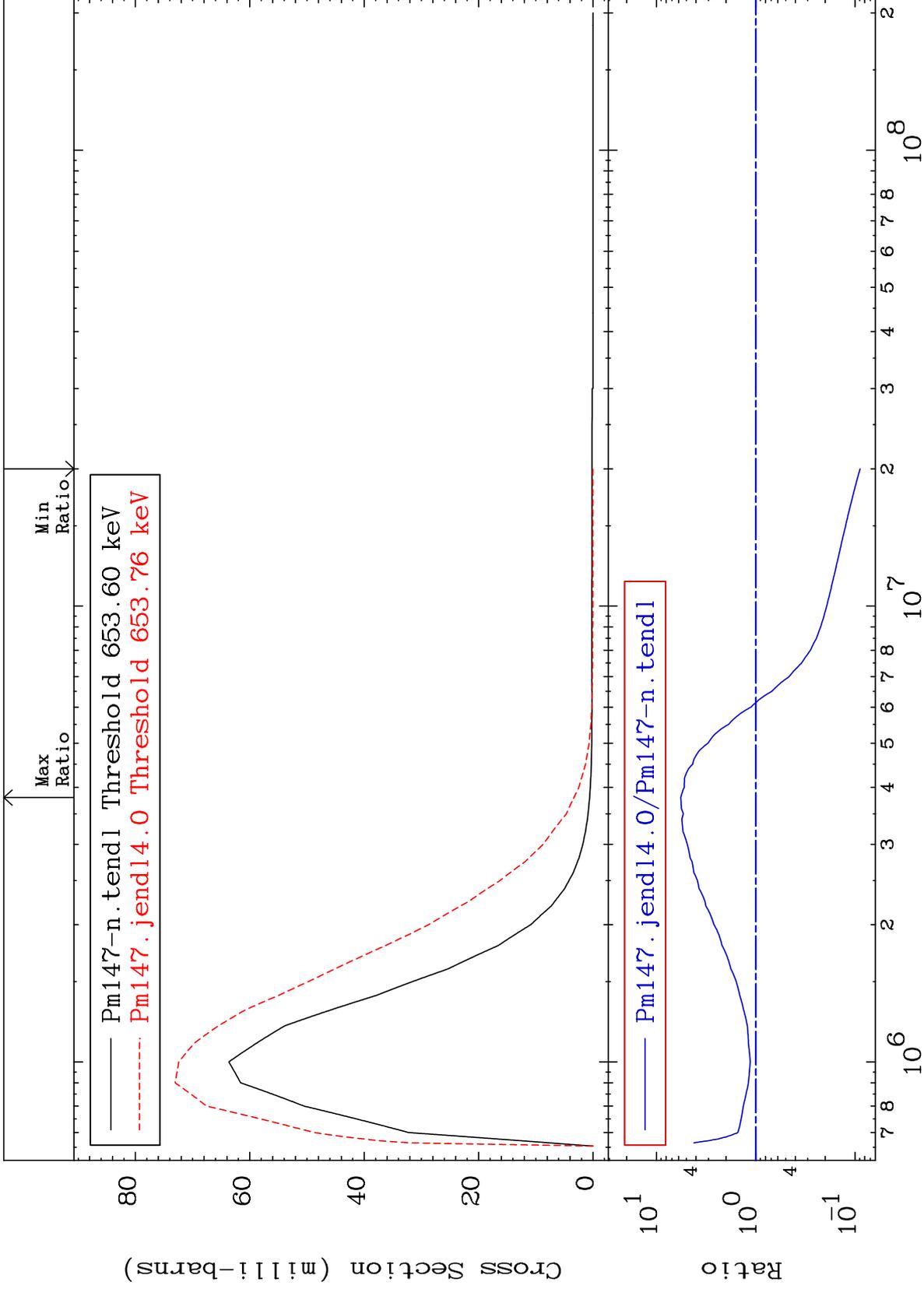
61-Pm-147  
-76.78 To 808.9 %



MAT 6149

649.1 keV (n,n') Level  
Cross Section

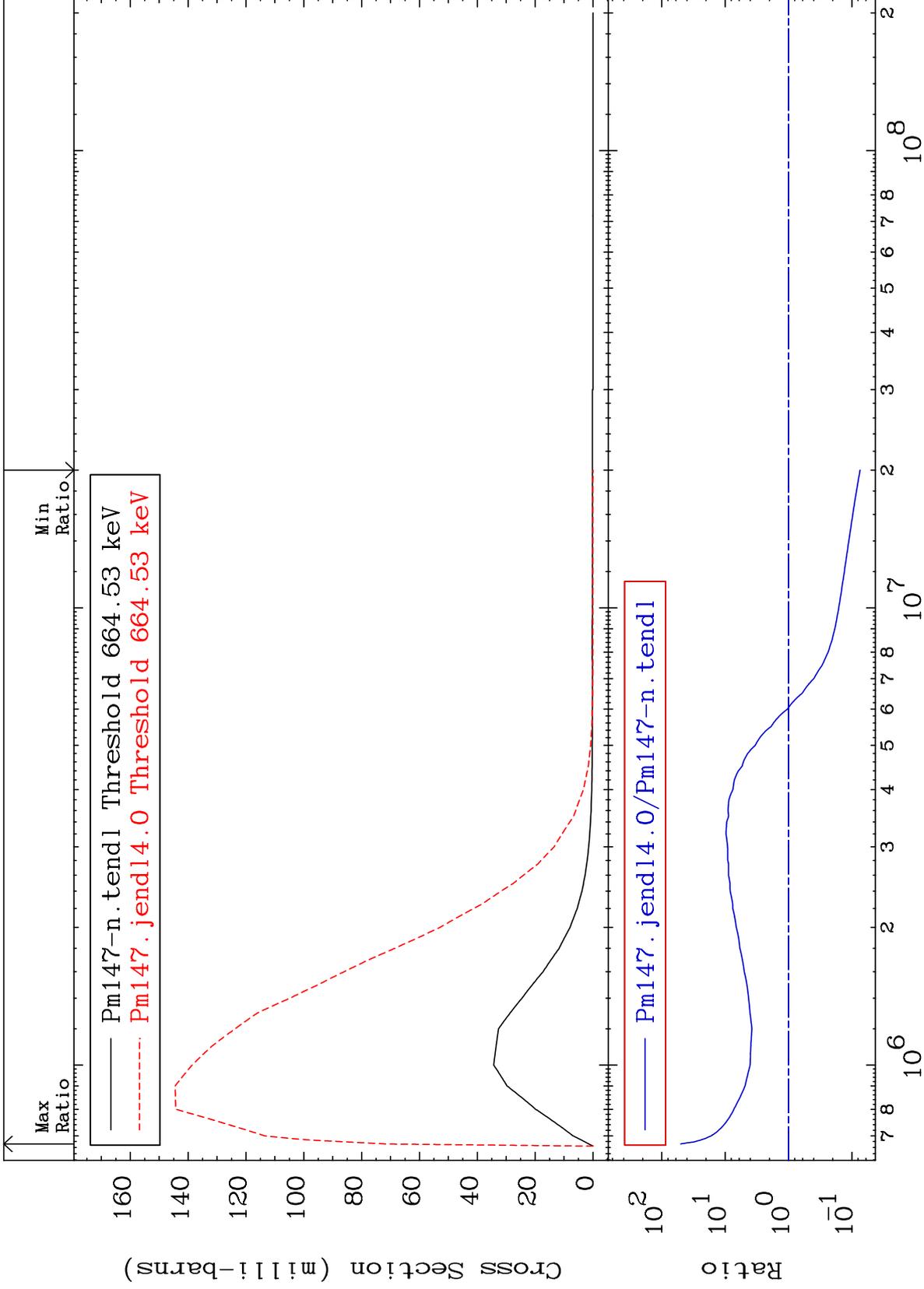
61-Pm-147  
-91.11 To 470.3 %



MAT 6149

660.0 keV (n,n') Level  
Cross Section

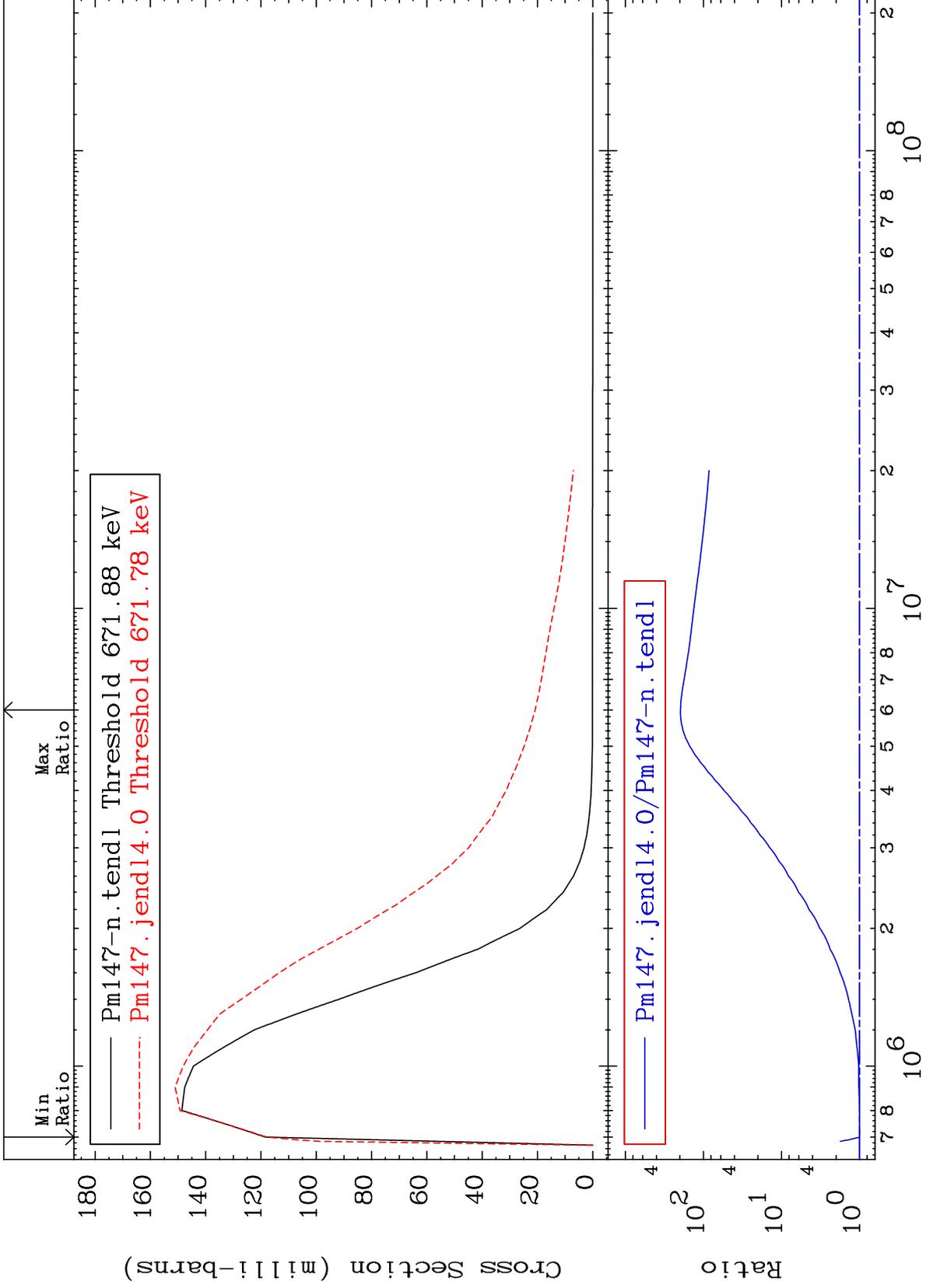
61-Pm-147  
-92.58 To 4915. %



MAT 6149

667.3 keV (n,n') Level  
Cross Section

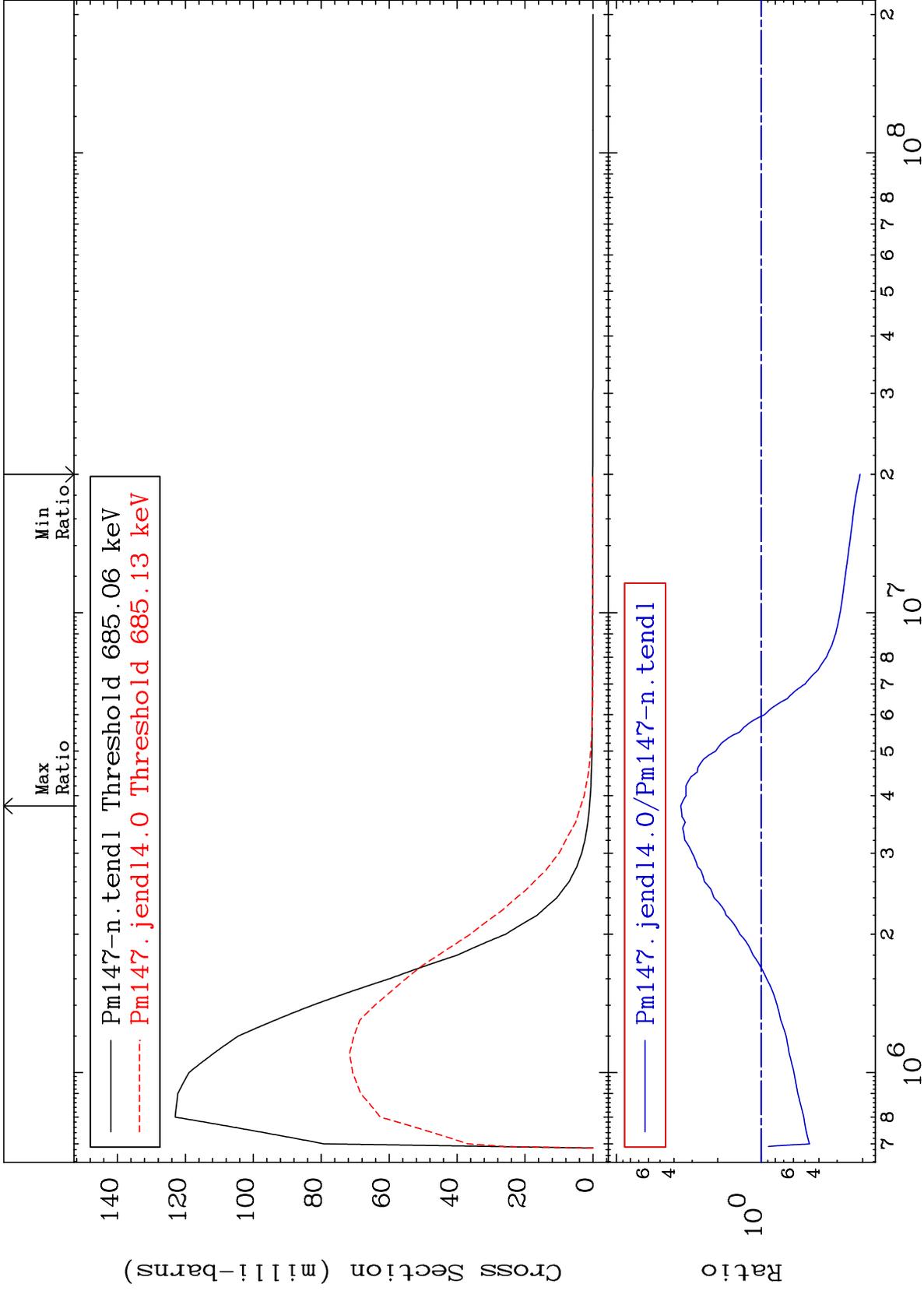
61-Pm-147  
-0.481 To 9999. %



MAT 6149

680.4 keV (n,n') Level  
Cross Section

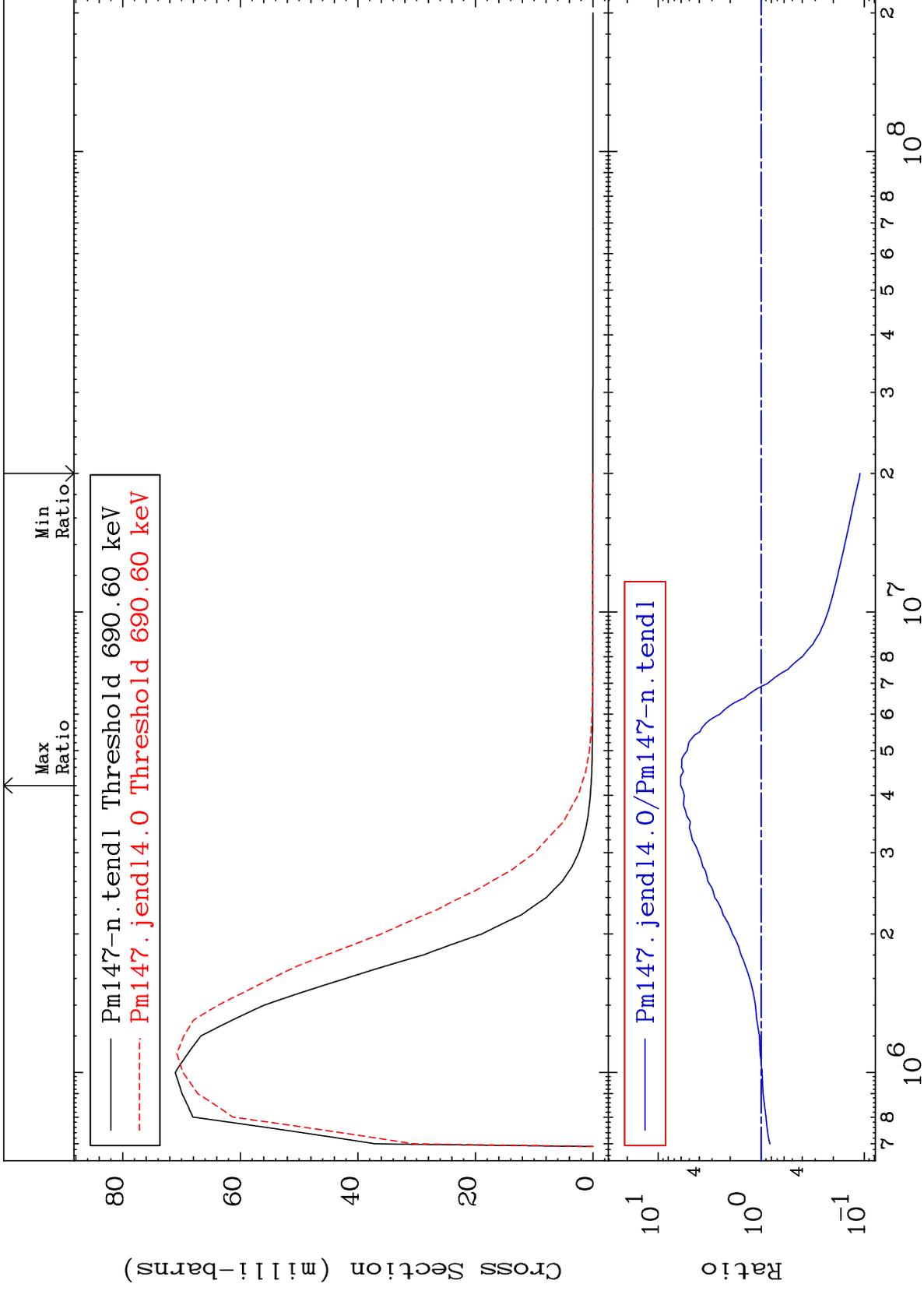
61-Pm-147  
-79.20 To 259.2 %



MAT 6149

685.9 keV (n,n') Level  
Cross Section

61-Pm-147  
-89.01 To 504.6 %



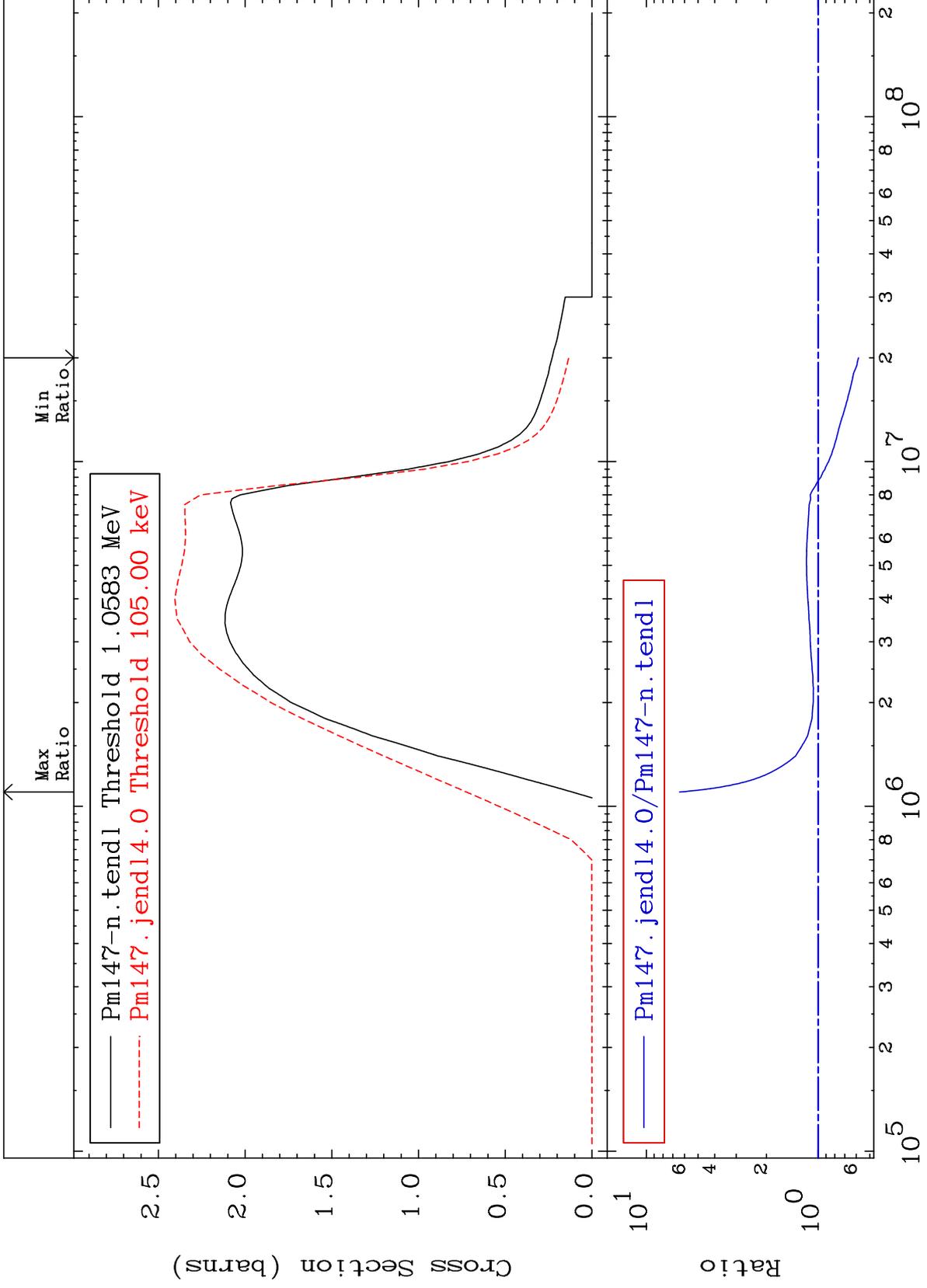
28

61-Pm-147

MAT 6149

(n, n') Continuum  
Cross Section

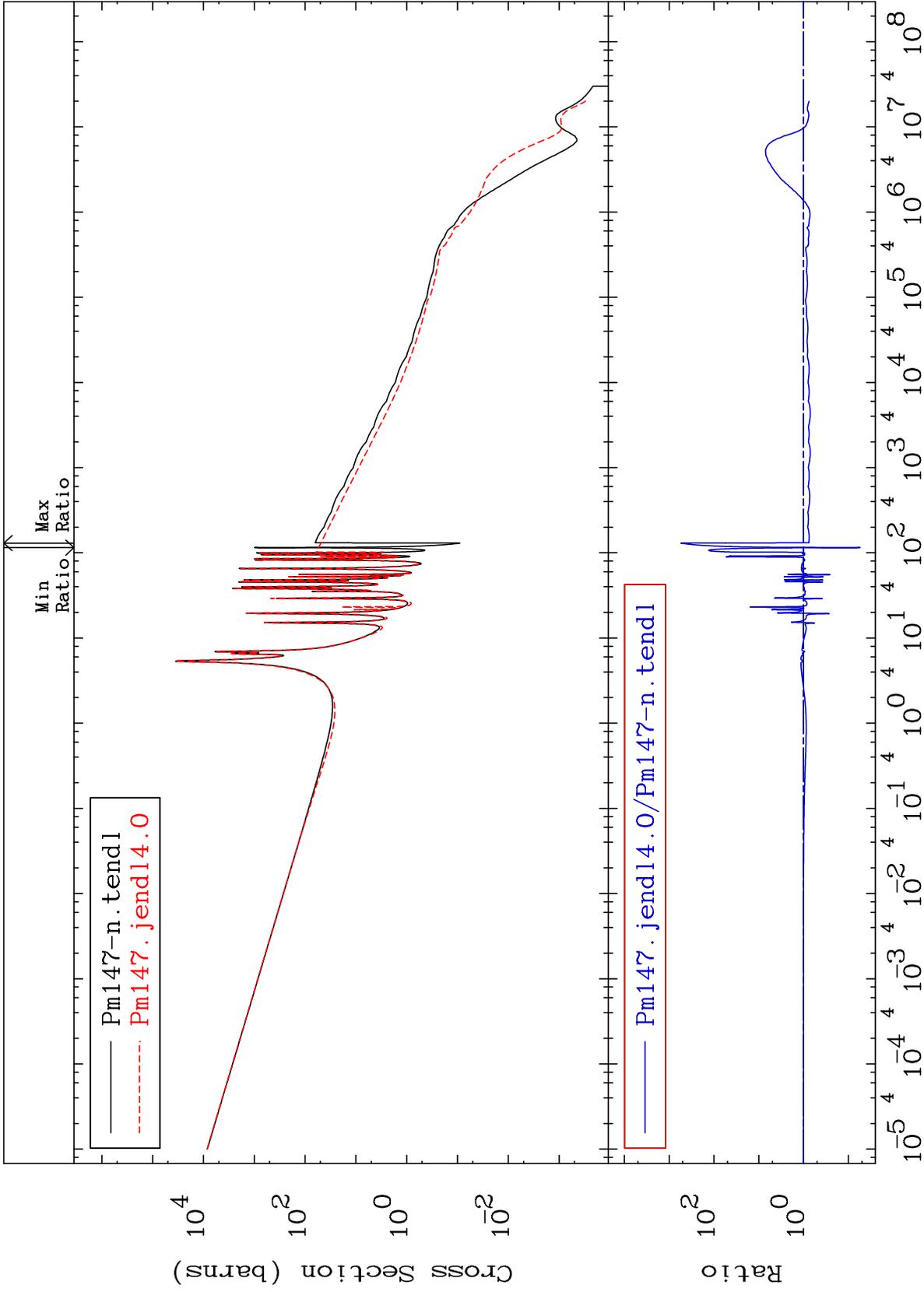
61-Pm-147  
-41.81 To 540.4 %



MAT 6149

(n,  $\gamma$ )  
Cross Section

61-Pm-147  
-94.52 To 9999. %



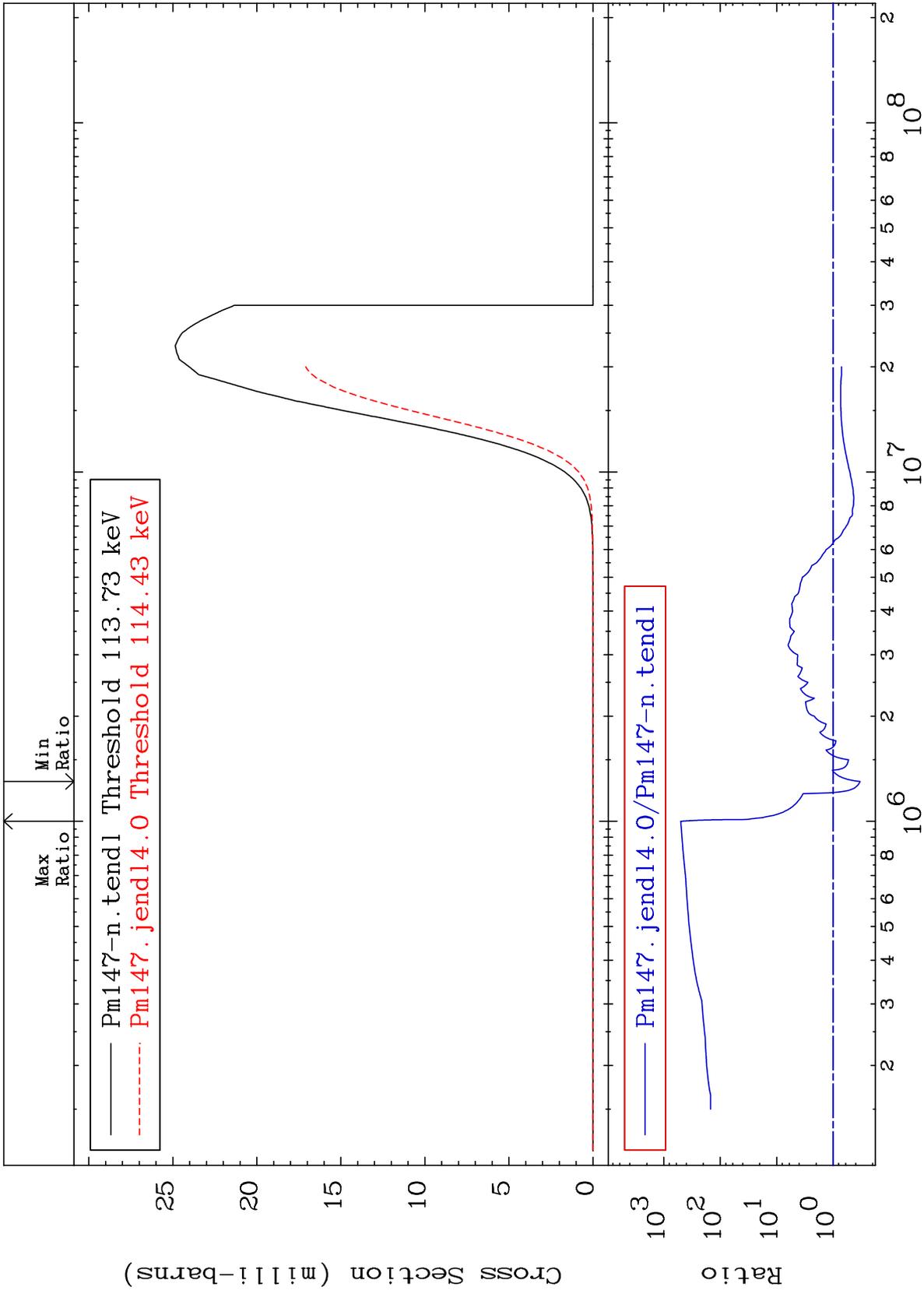
MAT 6149

(n,p)

61-Pm-147

Cross Section

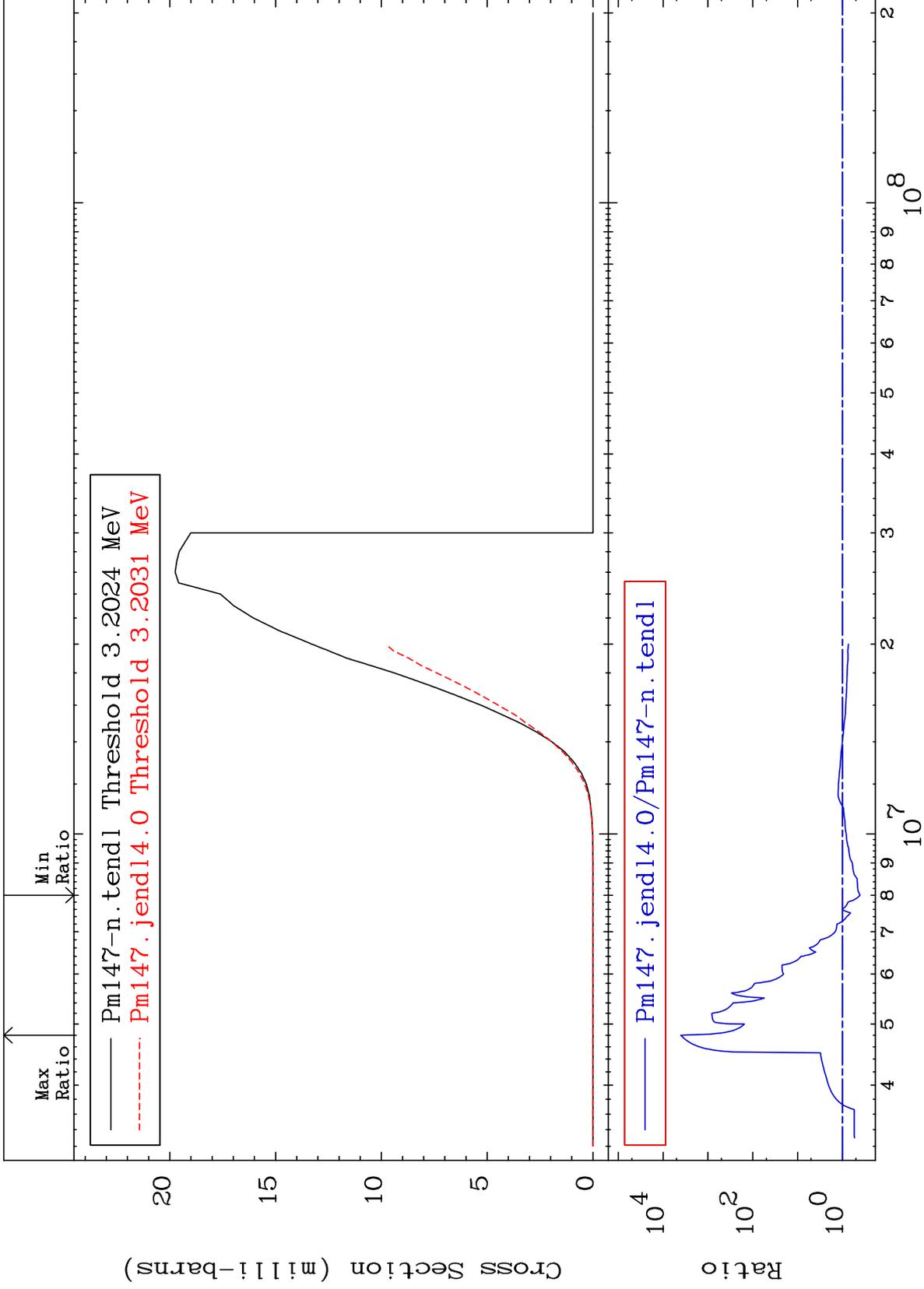
-66.59 To 9999. %



MAT 6149

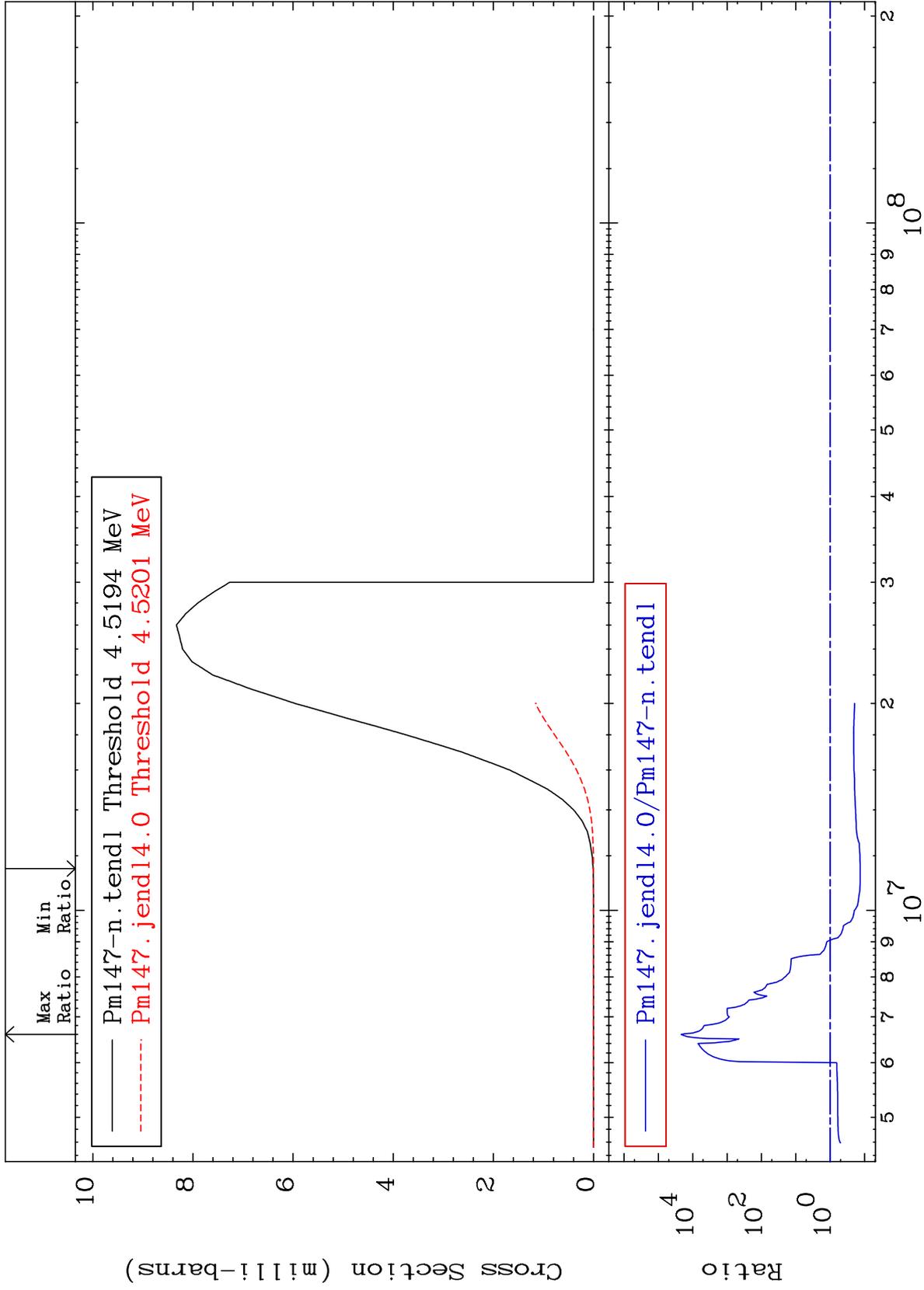
(n, d)  
Cross Section

61-Pm-147  
-59.67 To 9999. %



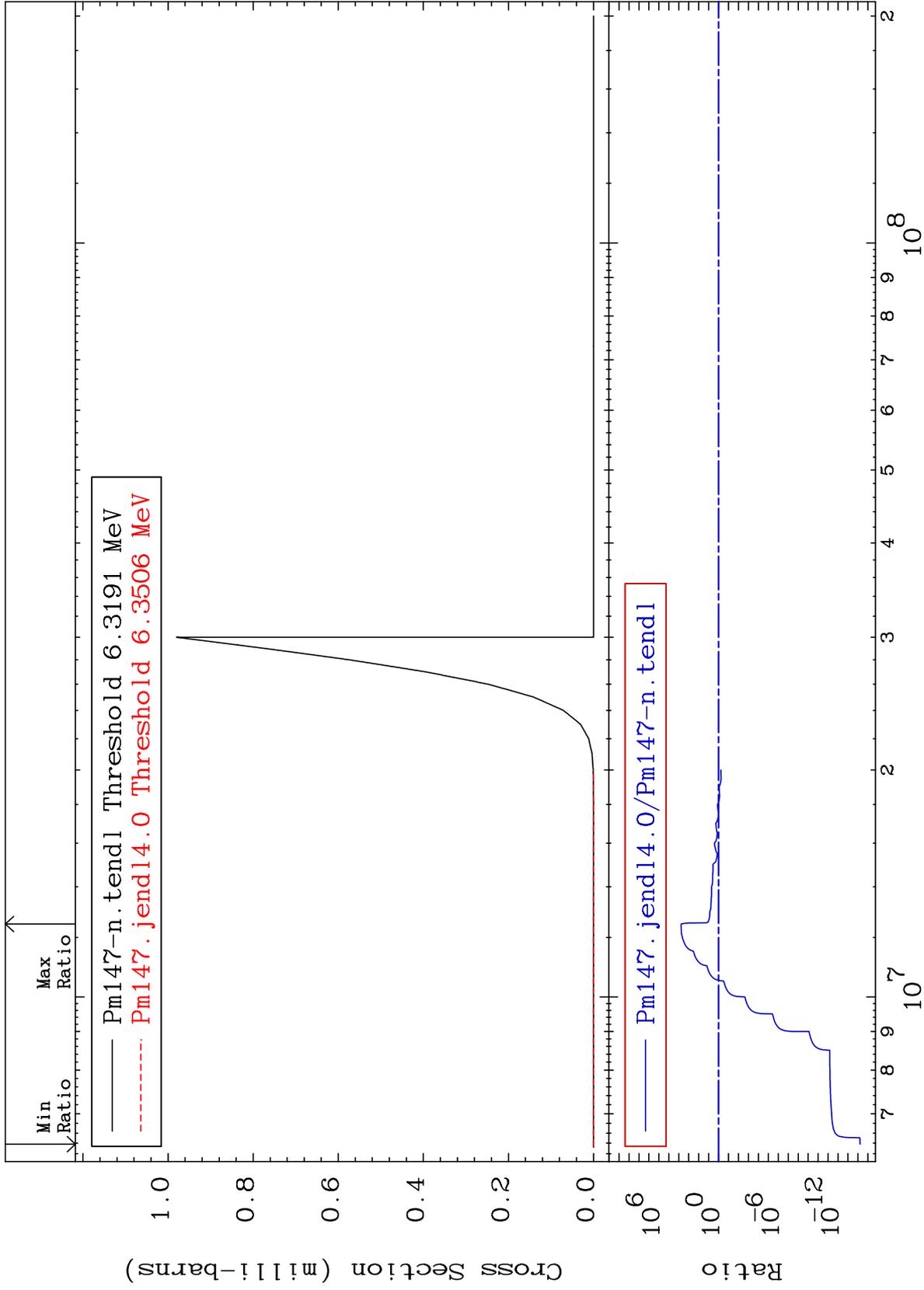
Cross Section

-86.59 To 9999. %



Cross Section

-100.0 To 9999. %



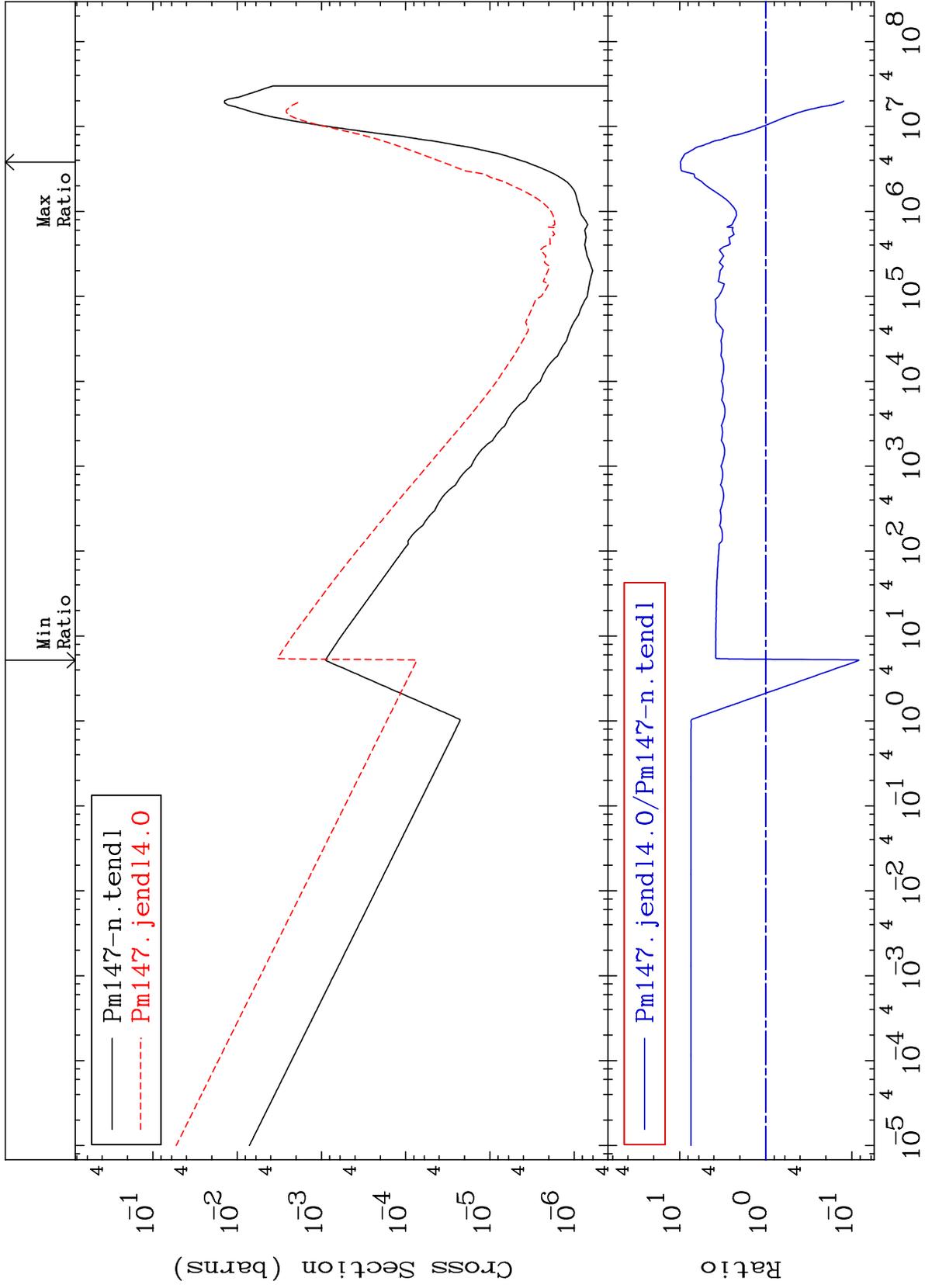
MAT 6149

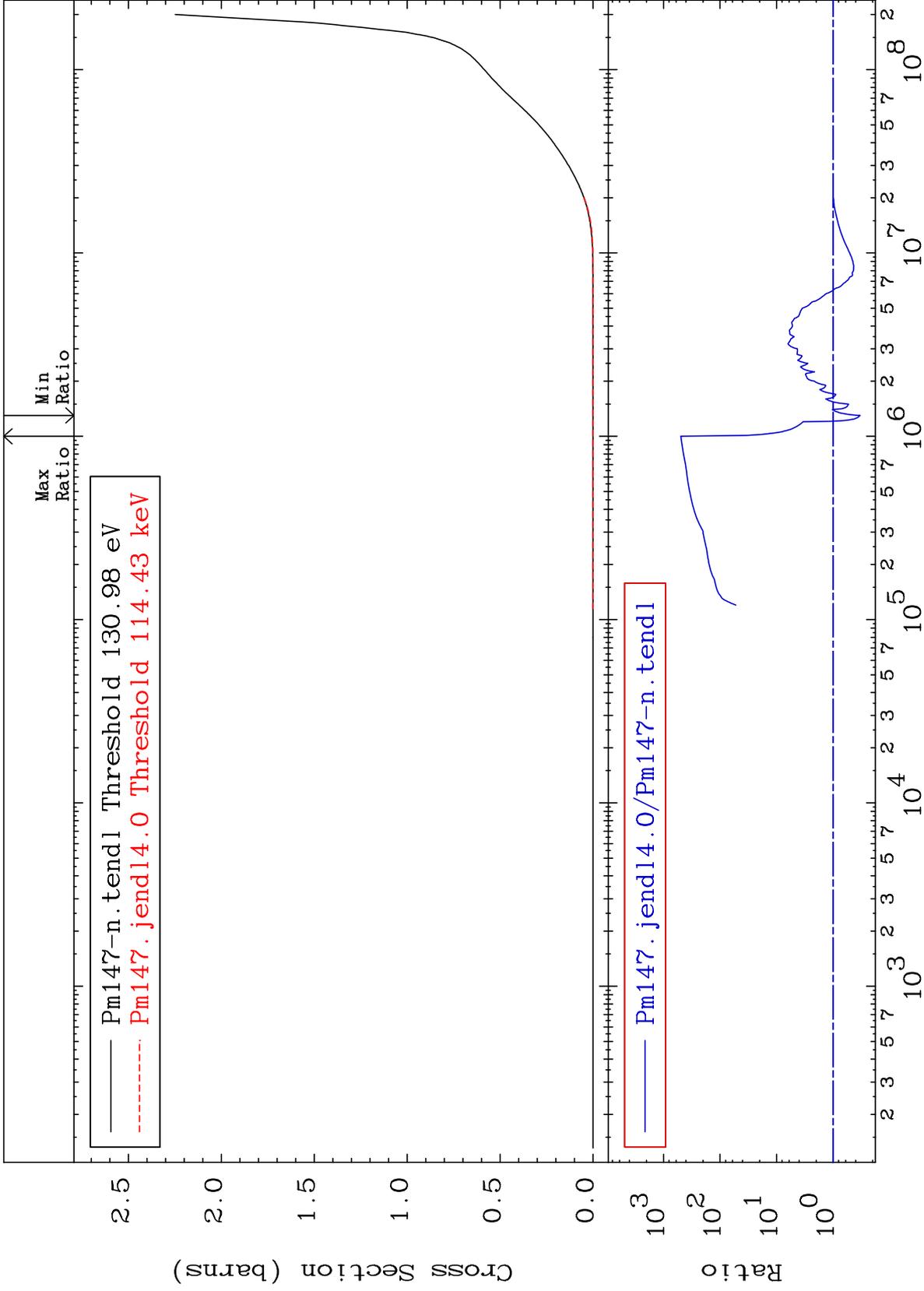
(n,  $\alpha$ )

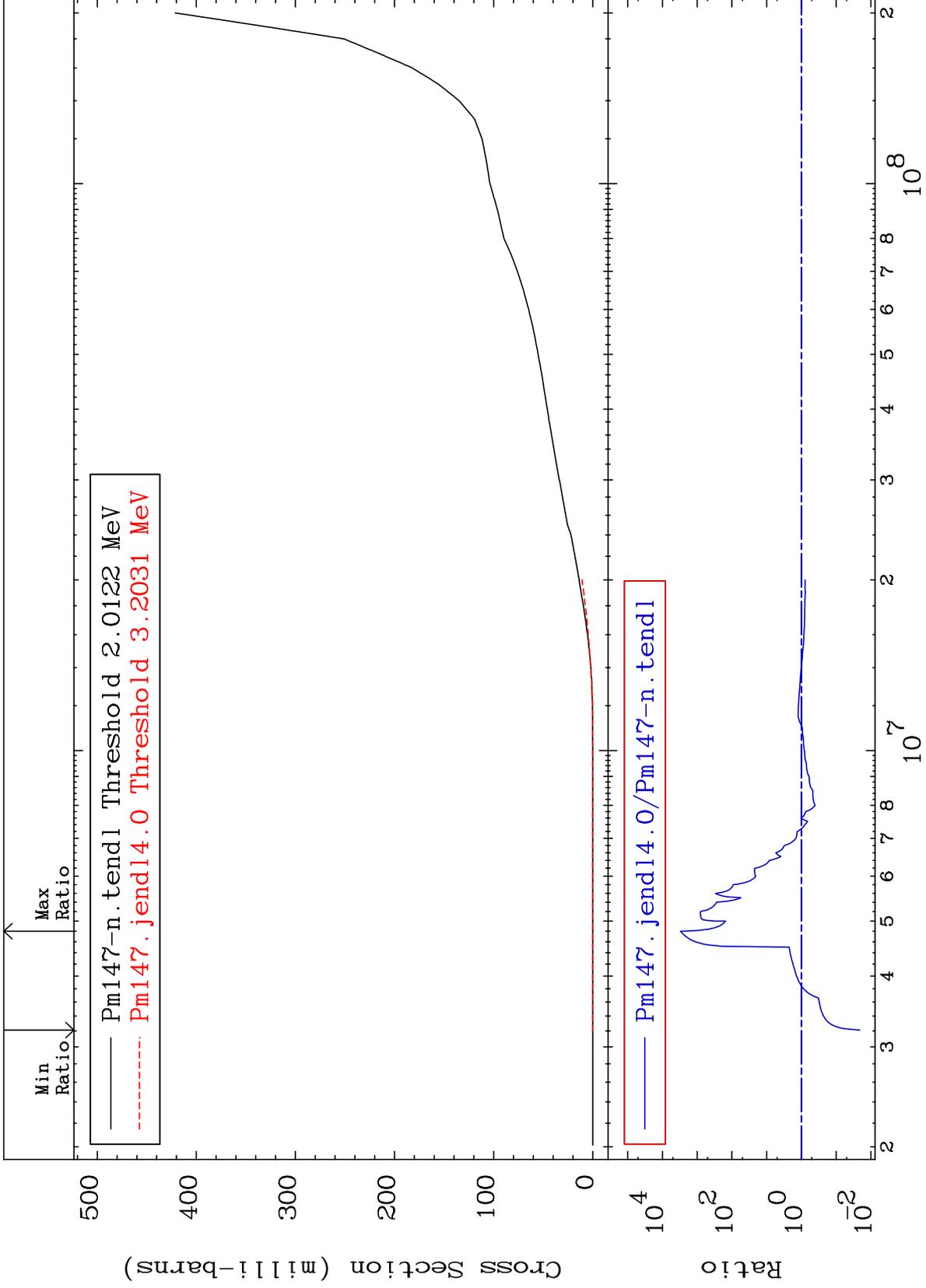
61-Pm-147

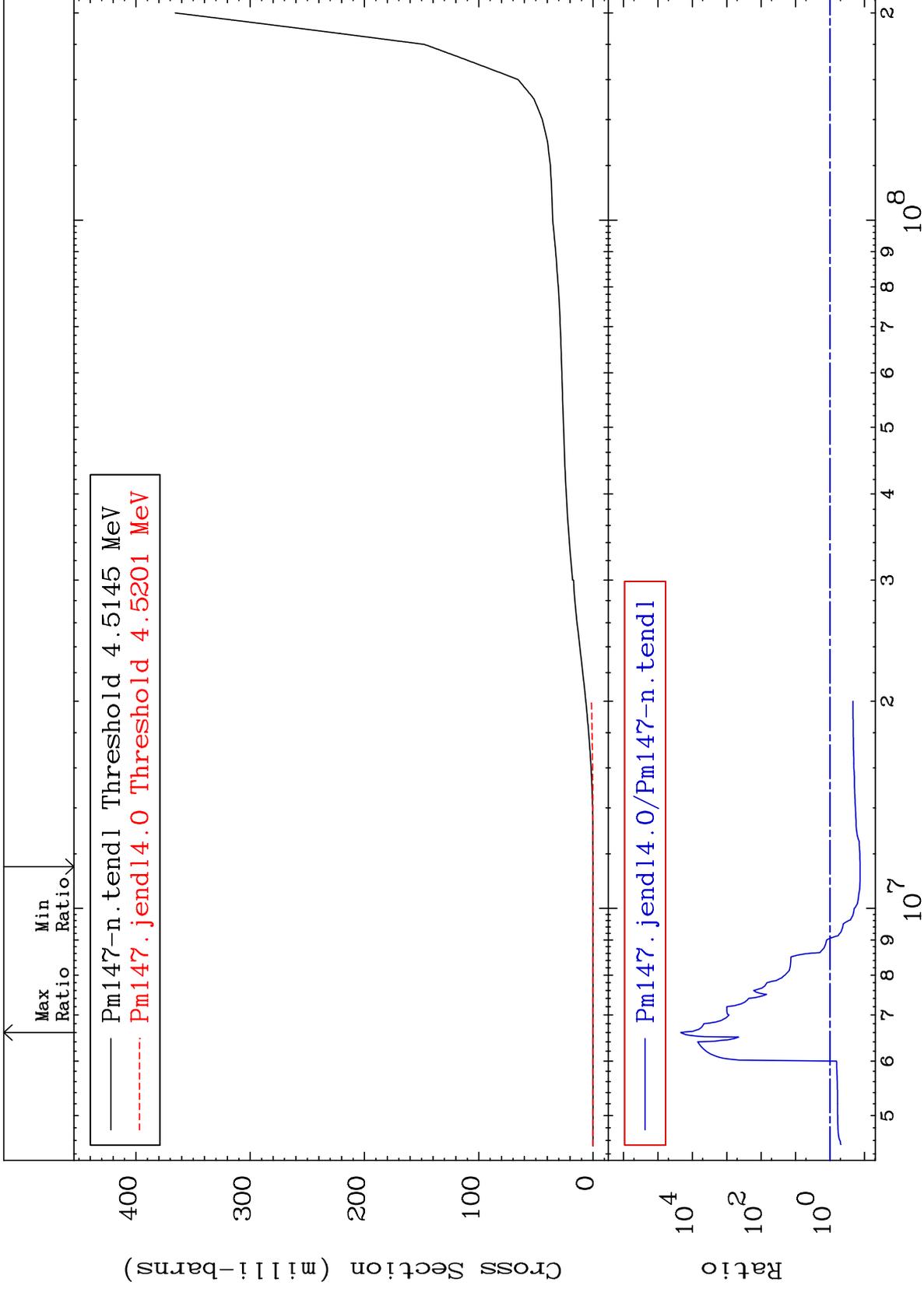
Cross Section

-91.73 To 887.0 %





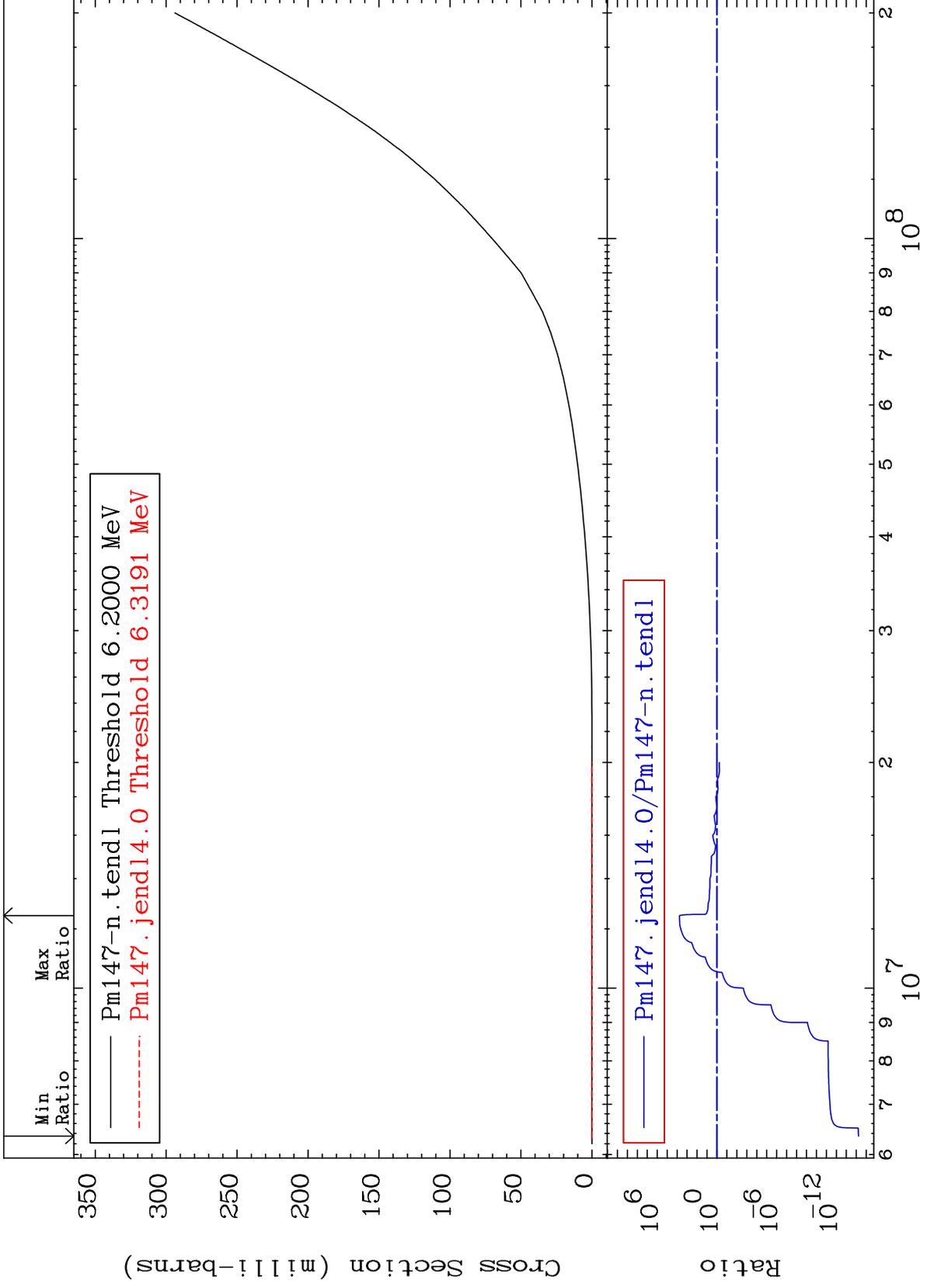




MAT 6149

He-3 Production  
Cross Section

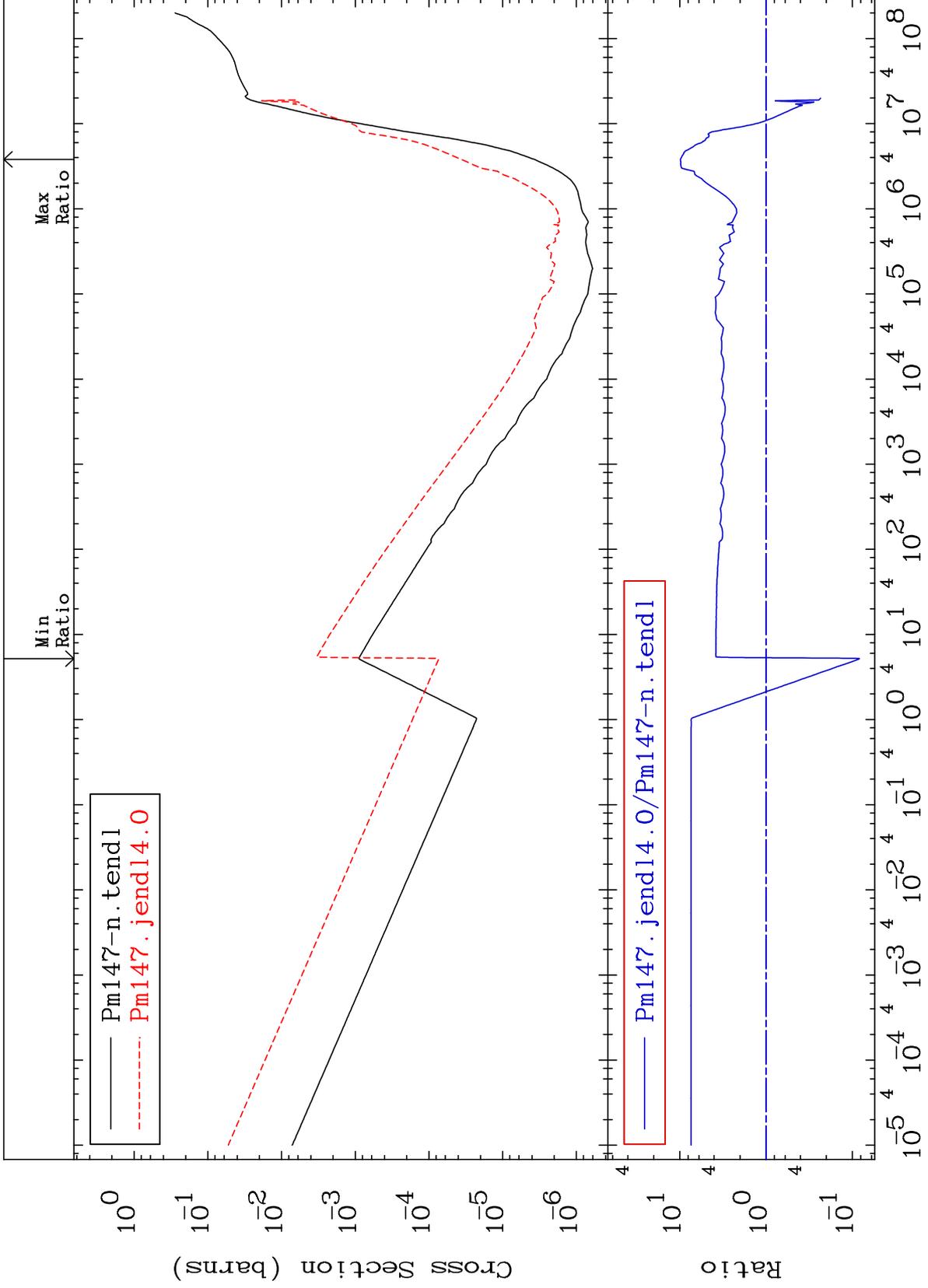
61-Pm-147  
-100.0 To 9999. %



MAT 6149

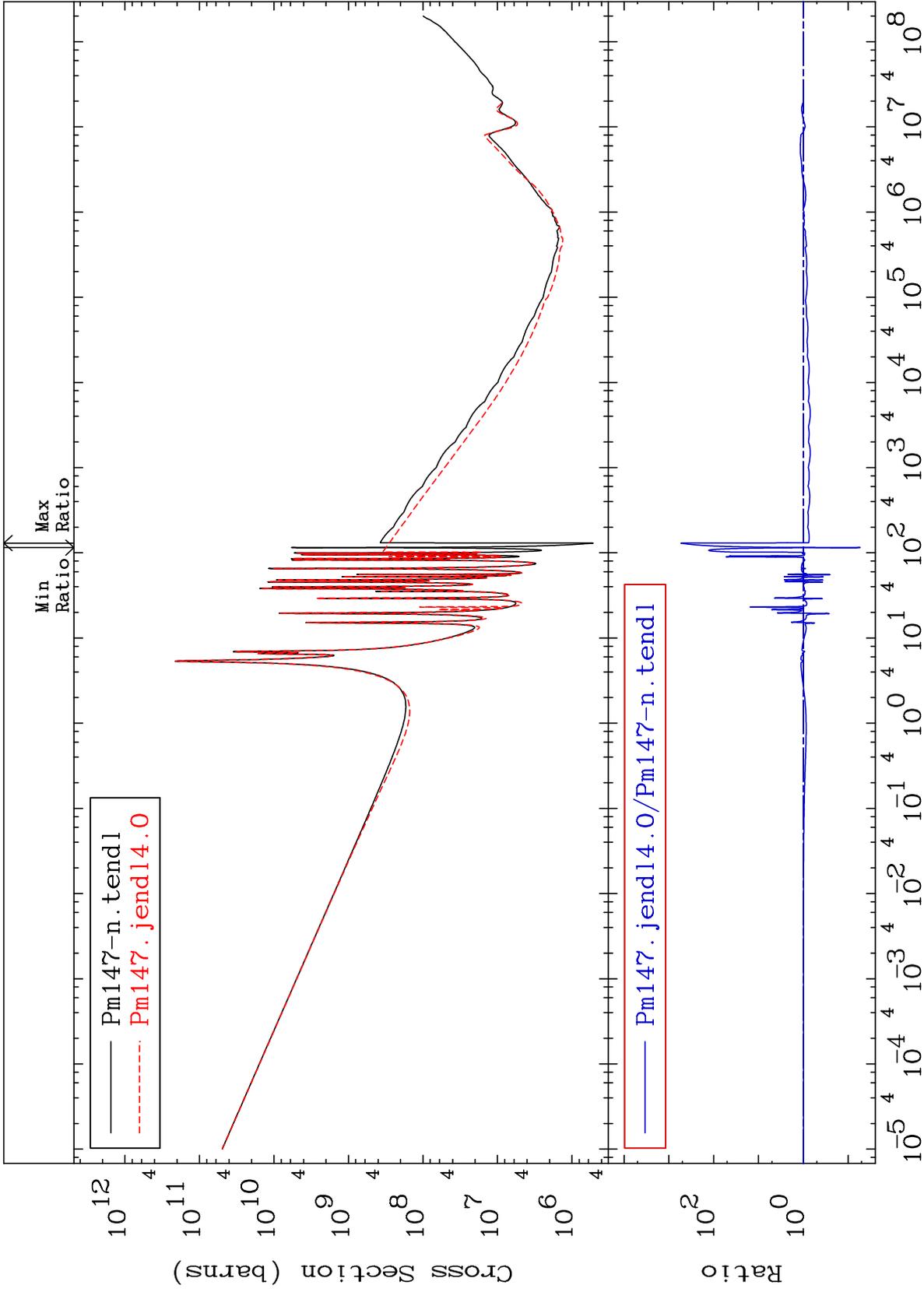
He-4 Production  
Cross Section

61-Pm-147  
-91.73 To 886.8 %



40

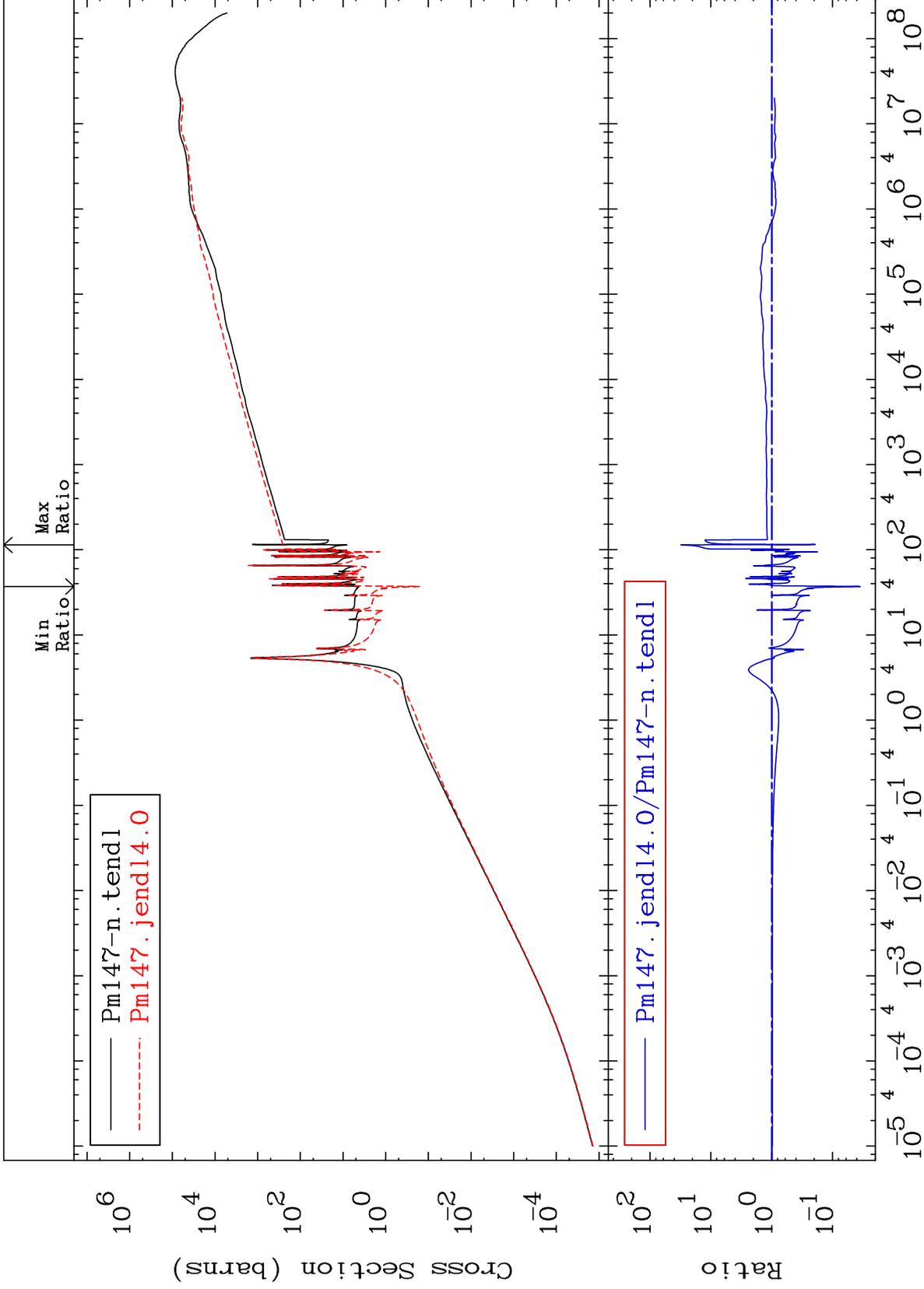
61-Pm-147



MAT 6149

Kerma elastic  
Cross Section

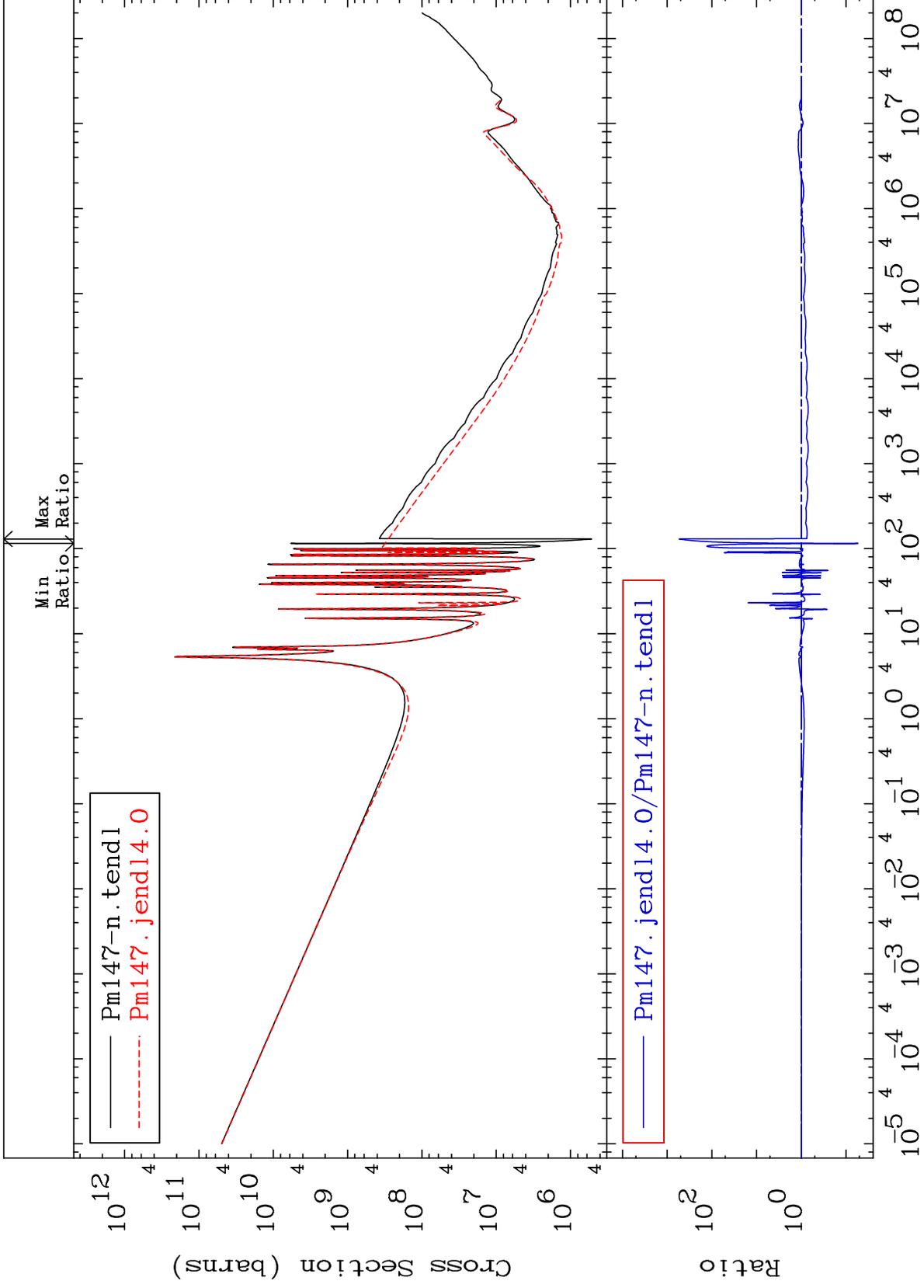
61-Pm-147  
-96.47 To 3019. %

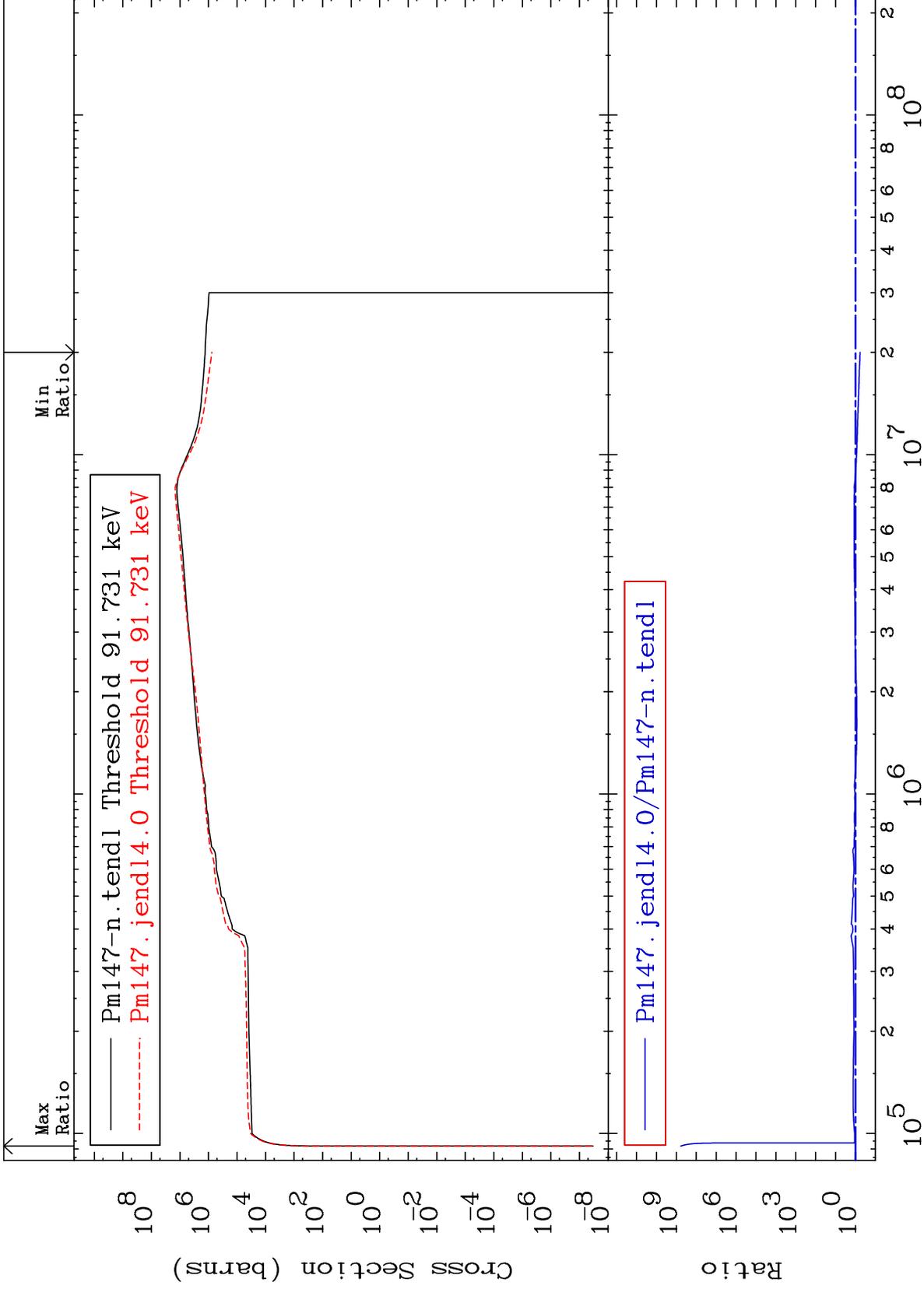


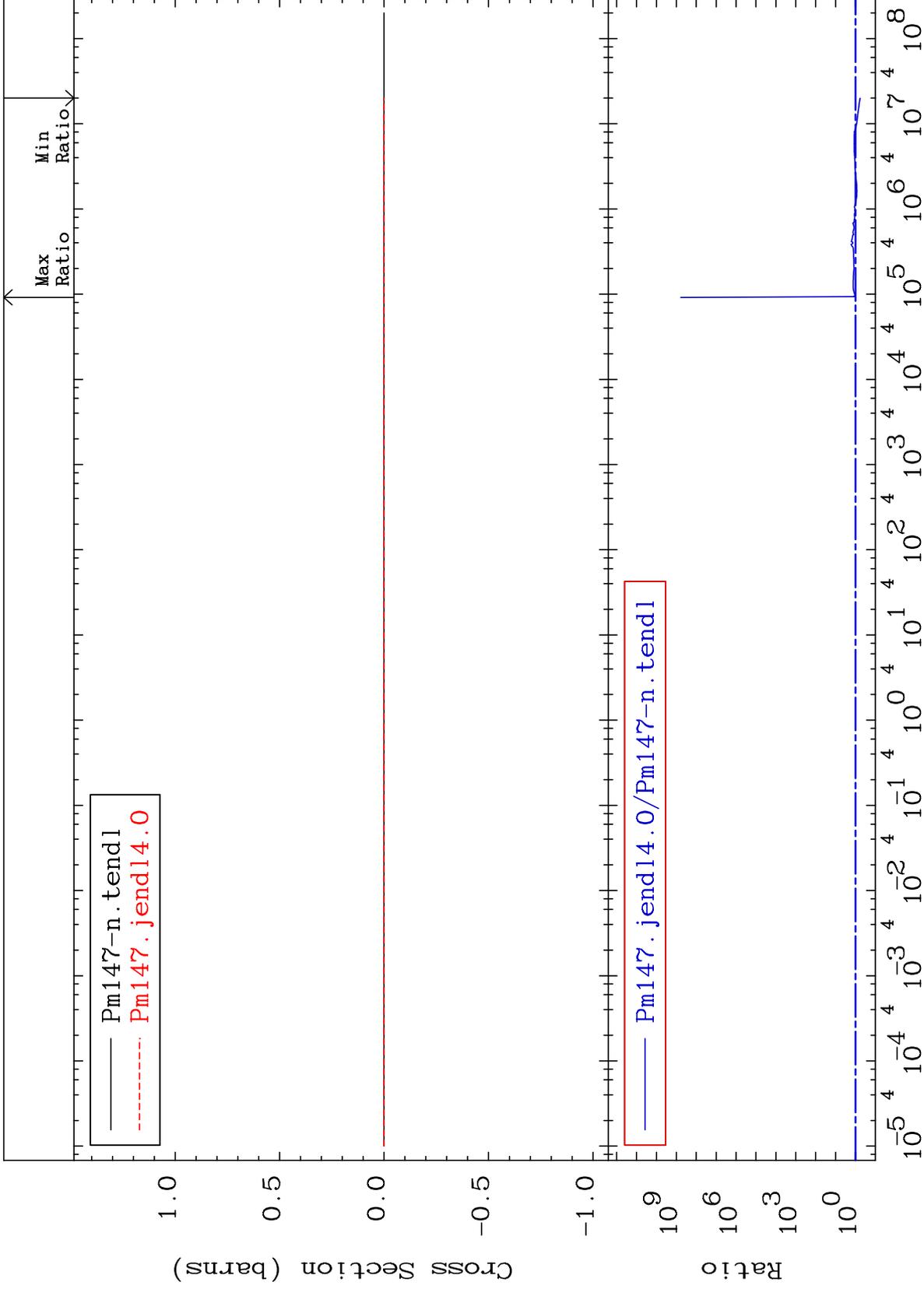
Incident Energy (eV)

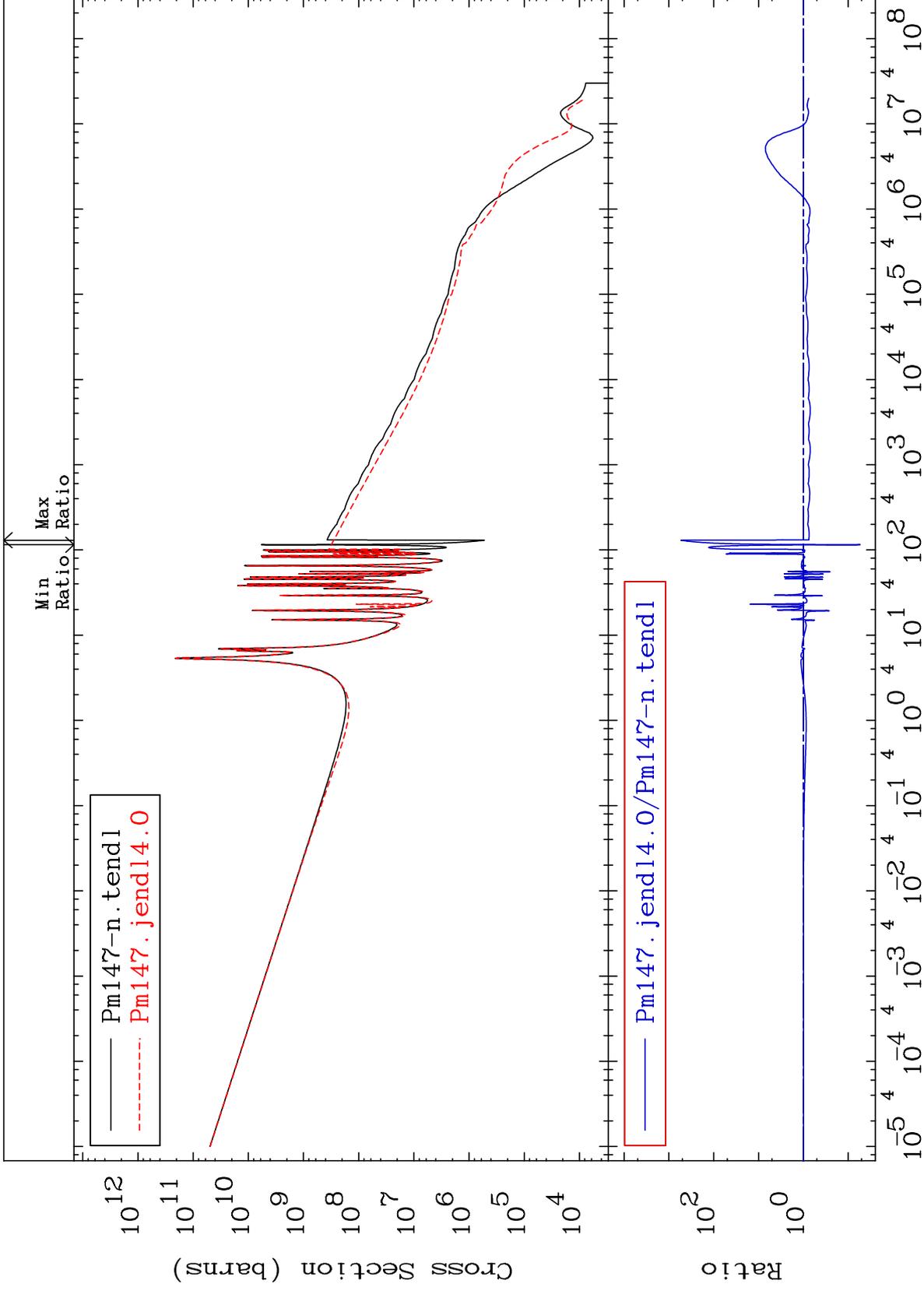
61-Pm-147

42







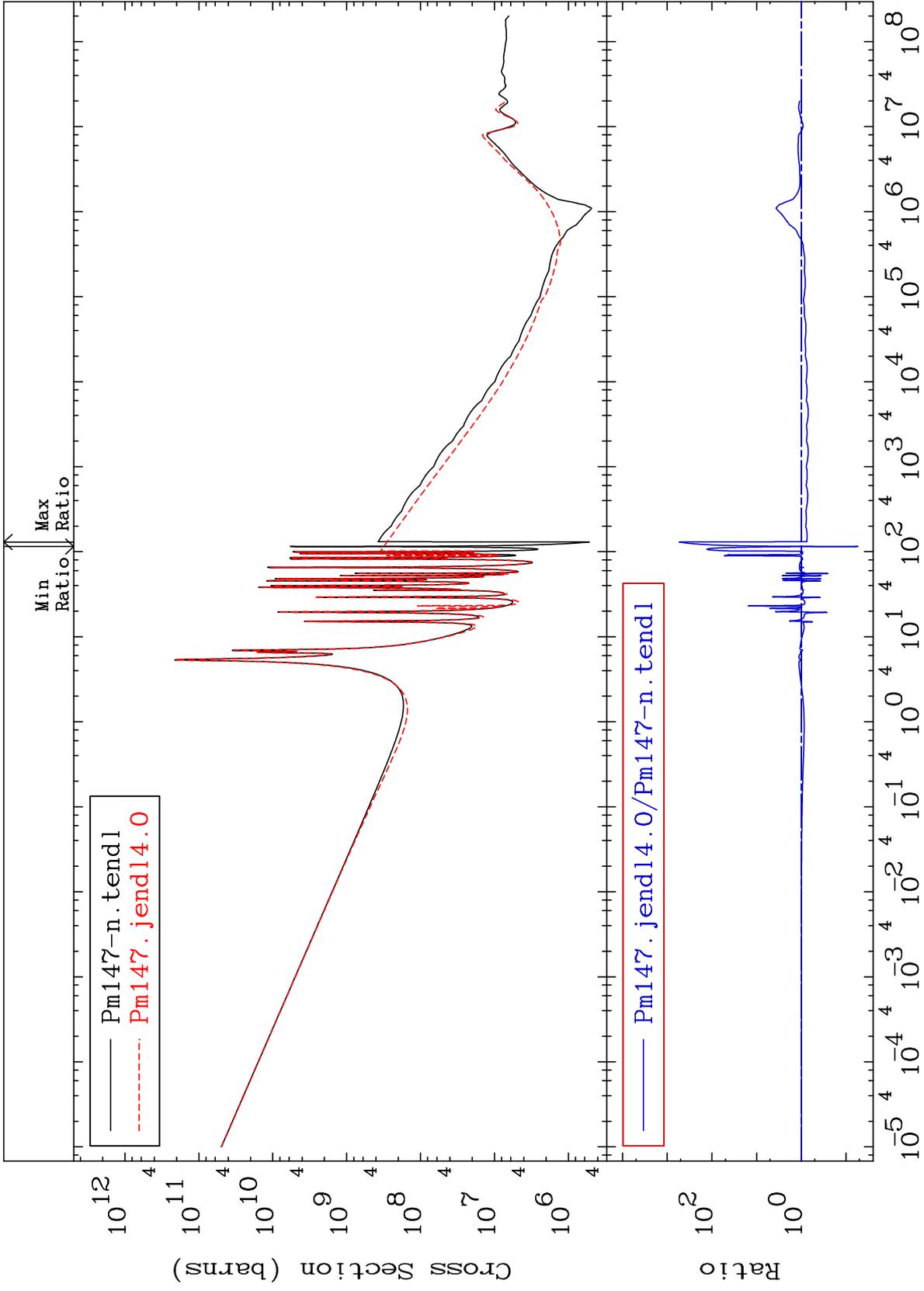


MAT 6149

Total photon (eV-barns)

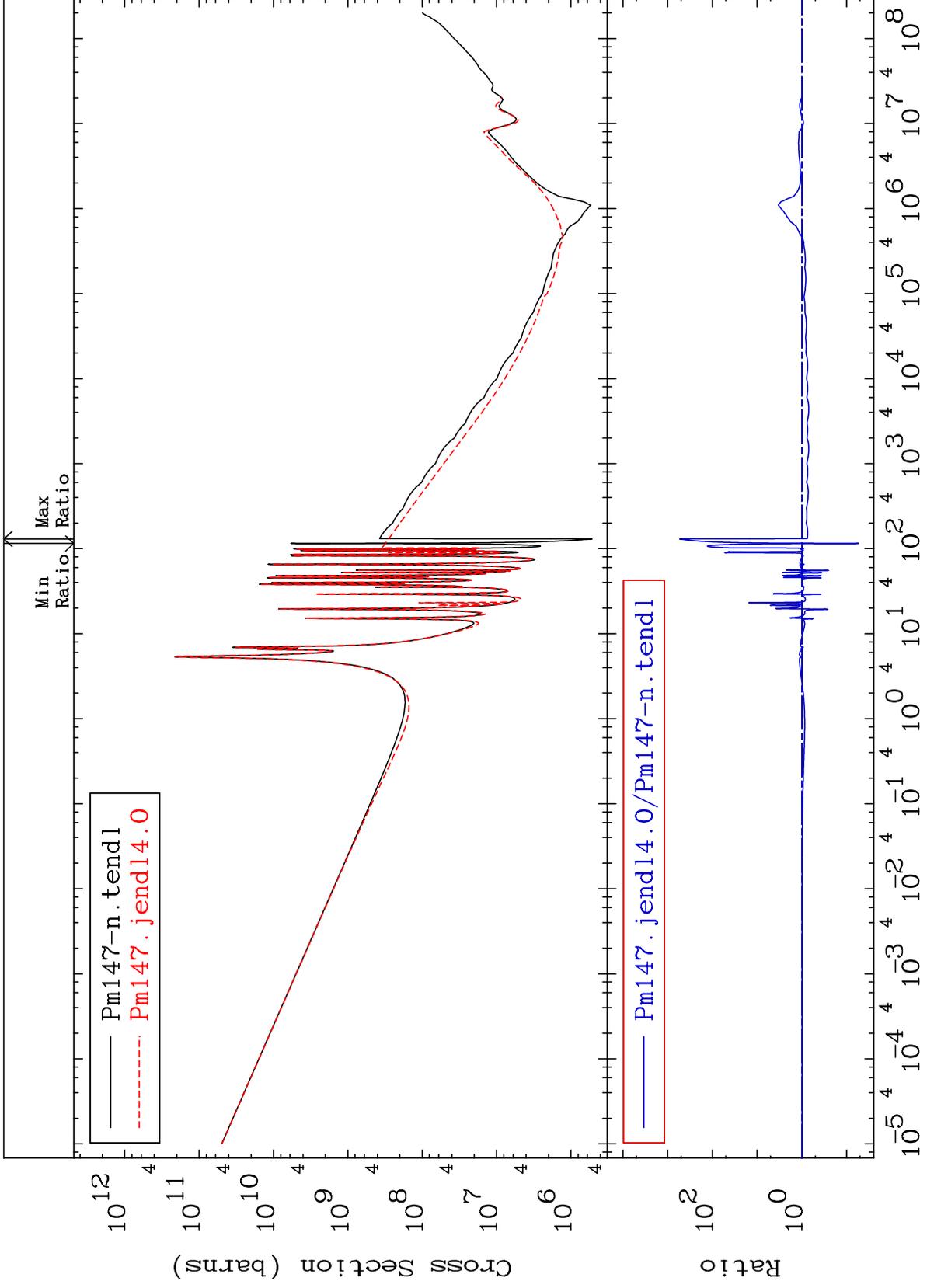
61-Pm-147

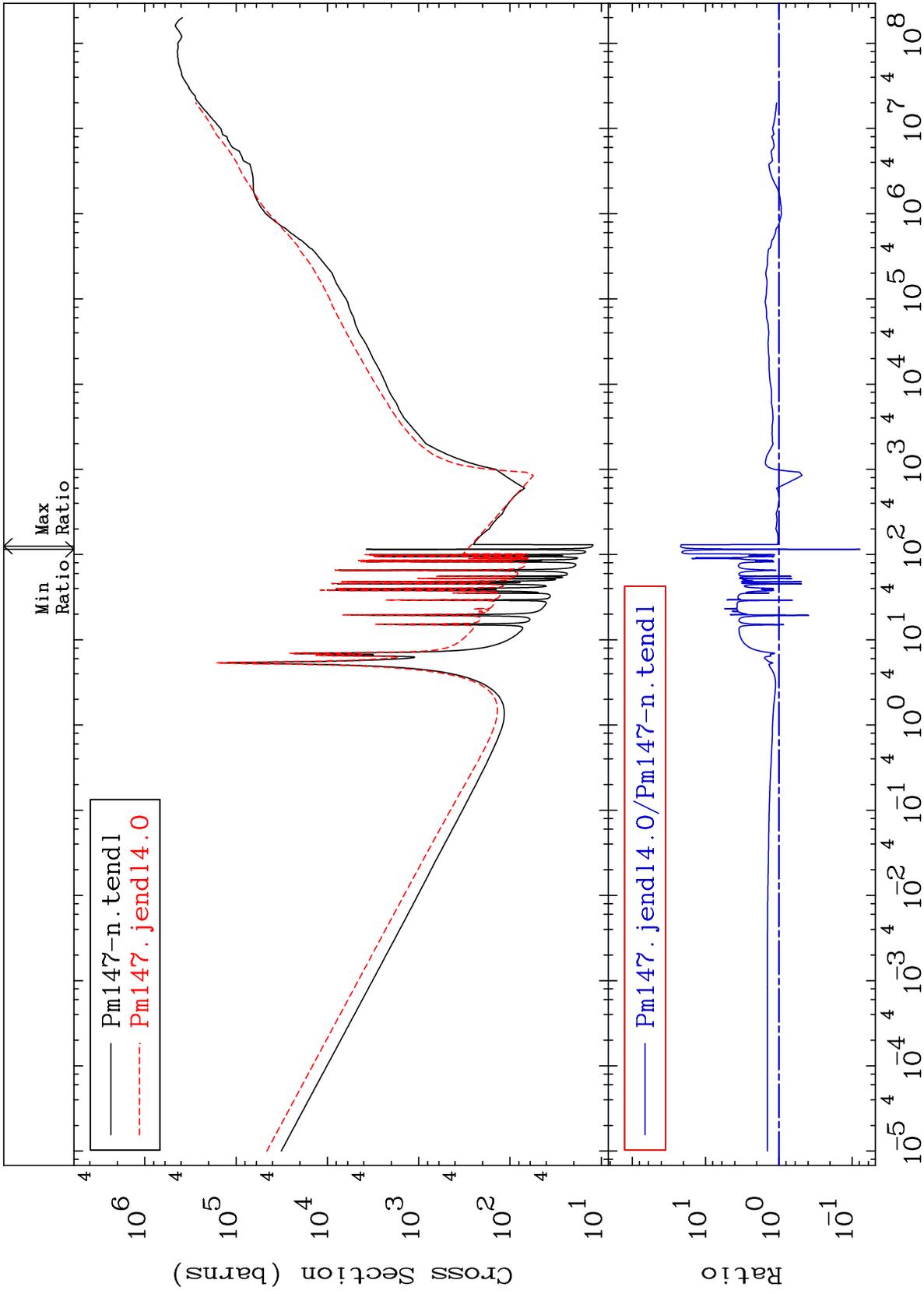
-94.60 To 9999. %



47

61-Pm-147





MAT 6149

Dpa elastic (mt2)  
Cross Section

61-Pm-147  
-14.64 To 62.40 %

