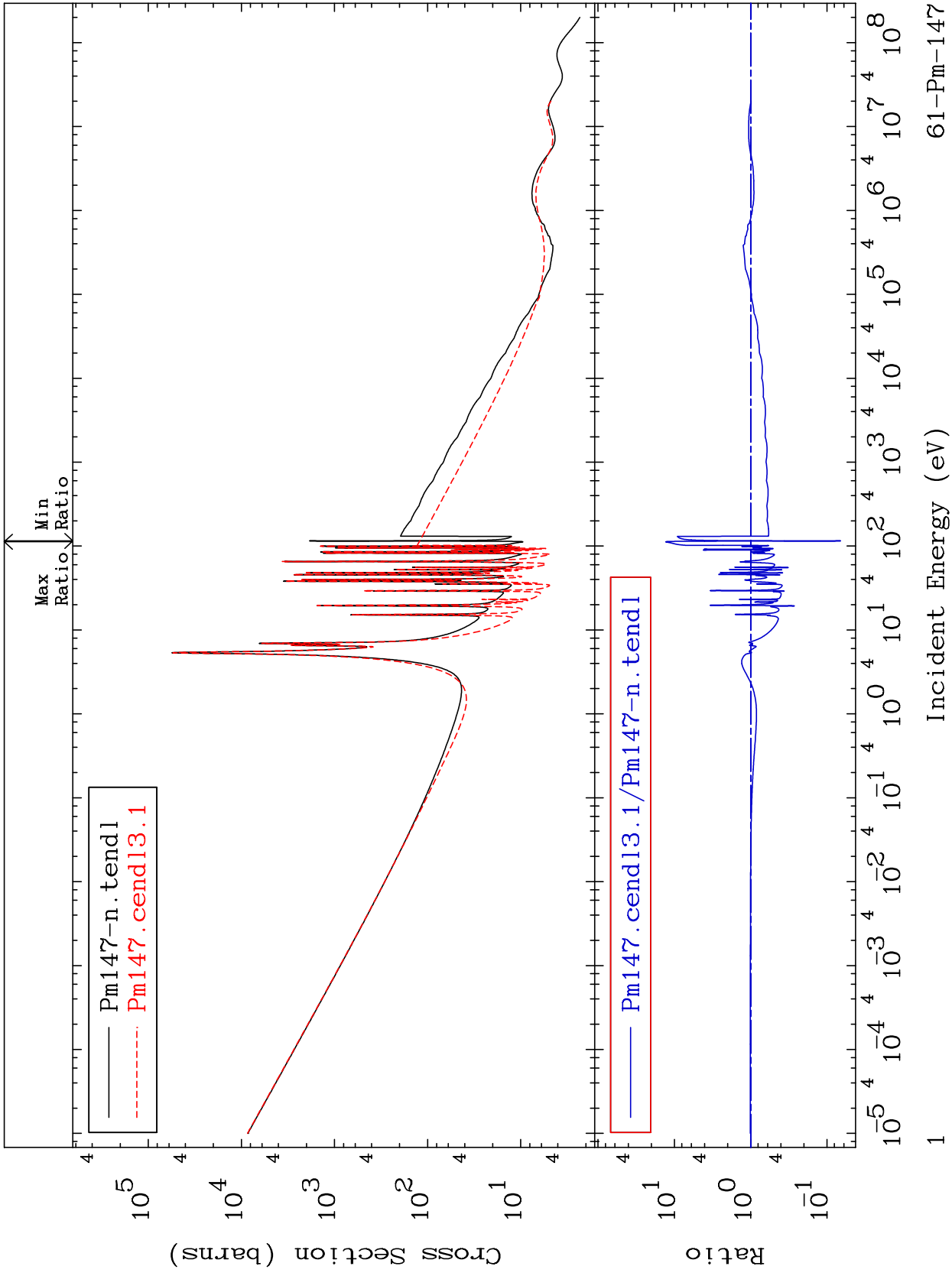


MAT 6149

Total Cross Section  
61-Pm-147  
-93.39 To 1206. %

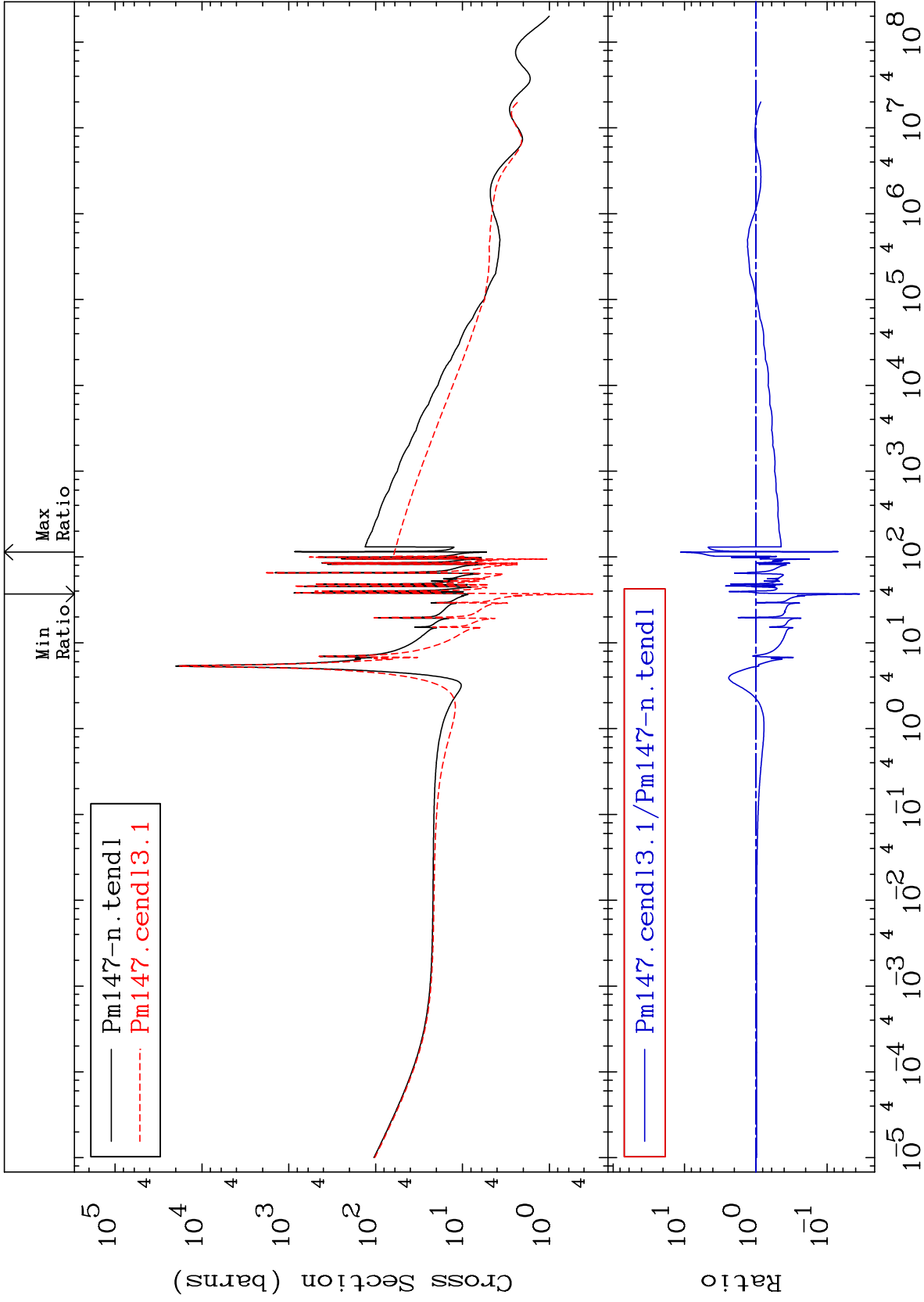


61-Pm-147

MAT 6149

Elastic  
Cross Section

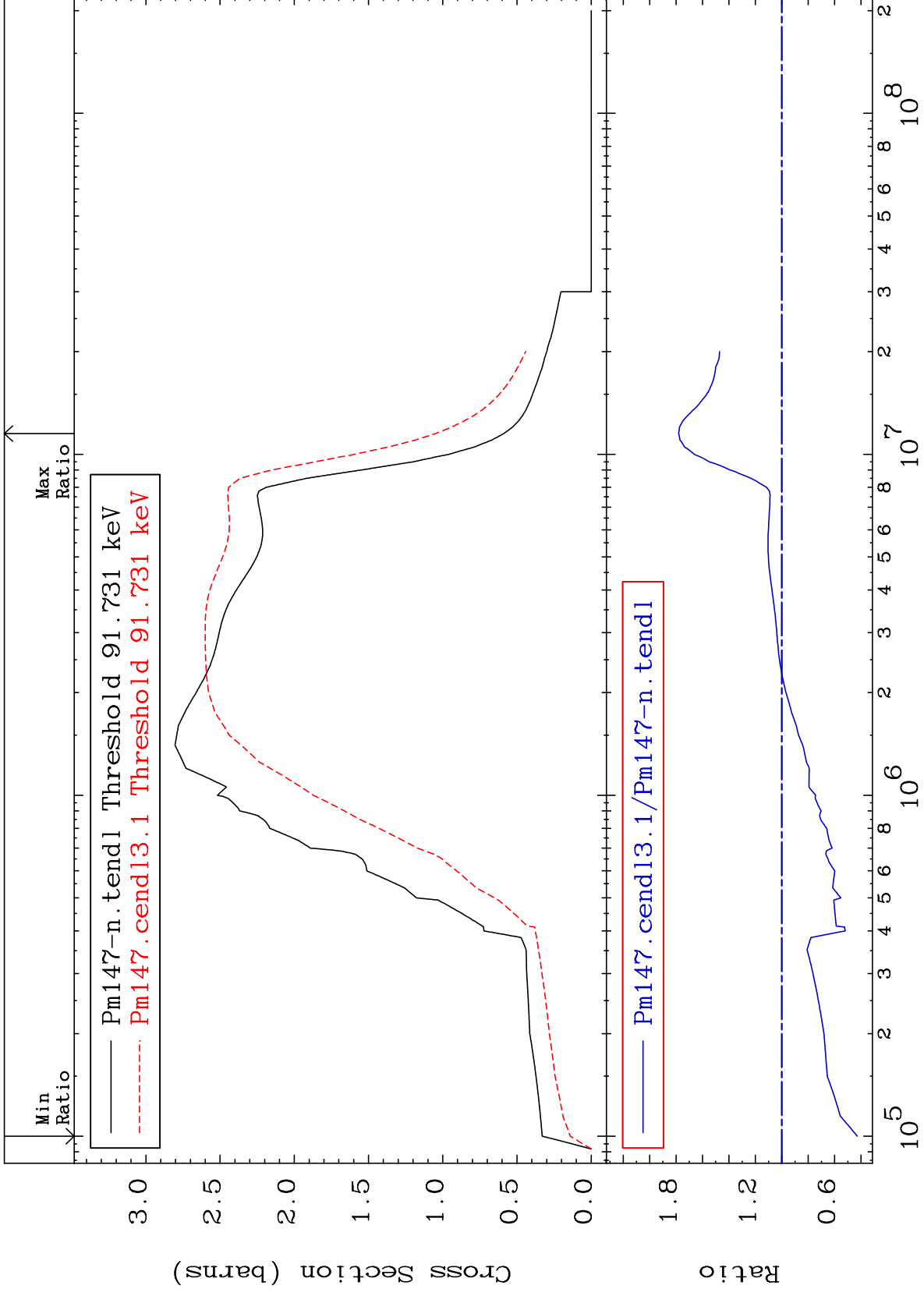
61-Pm-147  
-96.47 To 1044. %



MAT 6149

Inelastic  
Cross Section

61-Pm-147  
-57.10 To 78.04 %



61-Pm-147

3

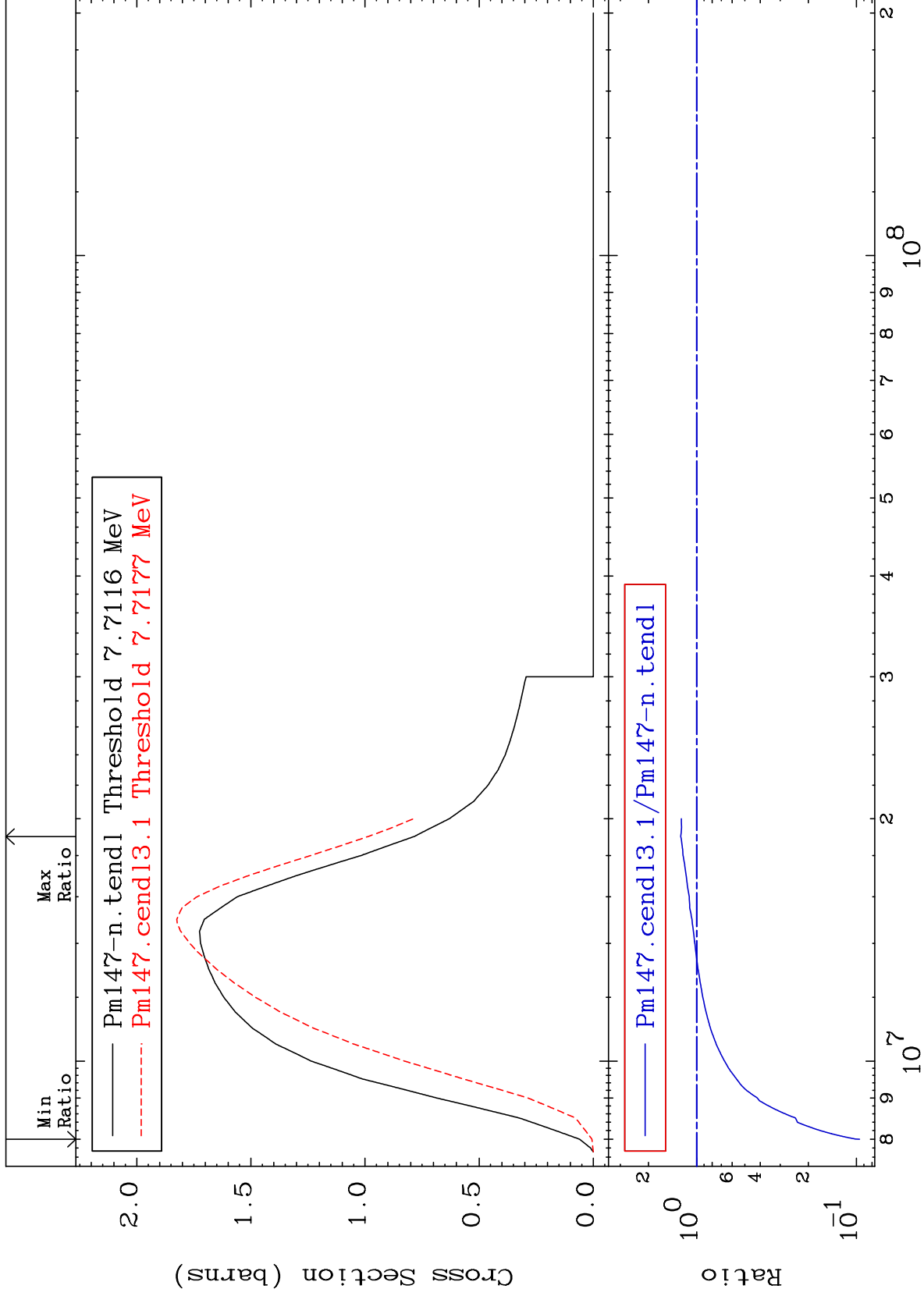
MAT 6149

(n,2n)

61-Pm-147

Cross Section

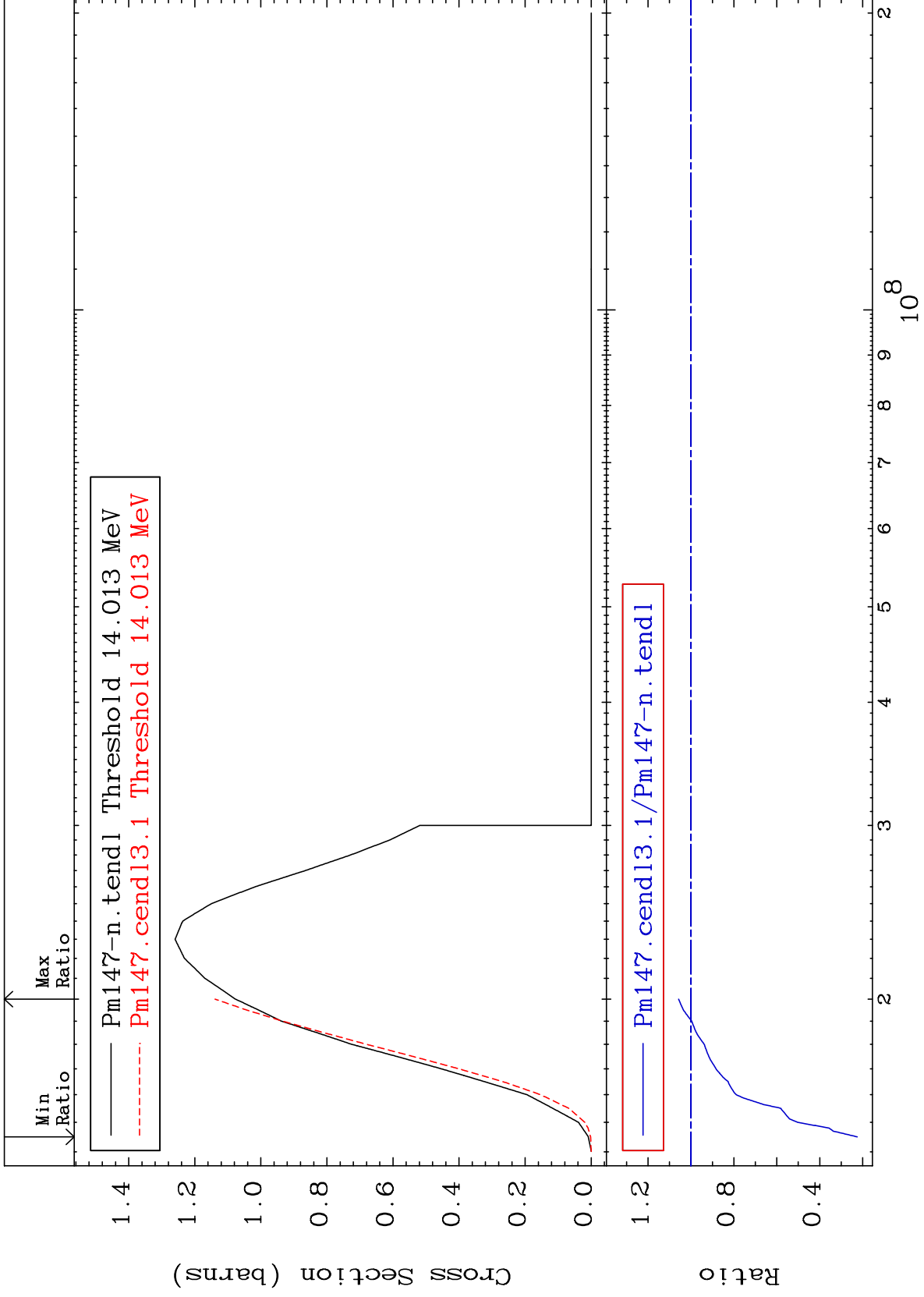
-90.43 To 25.71 %



Incident Energy (eV)

61-Pm-147

4



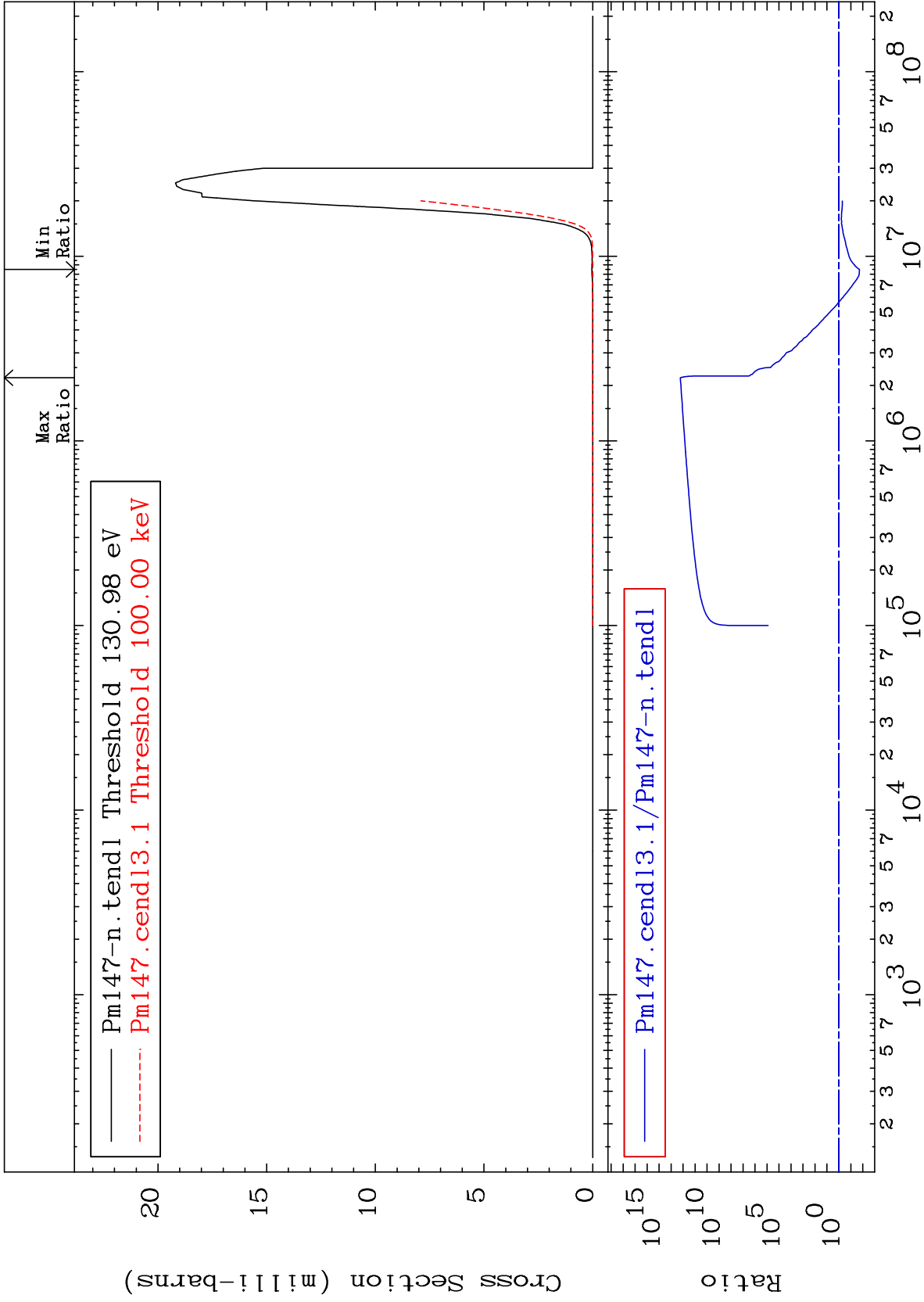
MAT 6149

(n, n')  $\alpha$

61-Pm-147

Cross Section

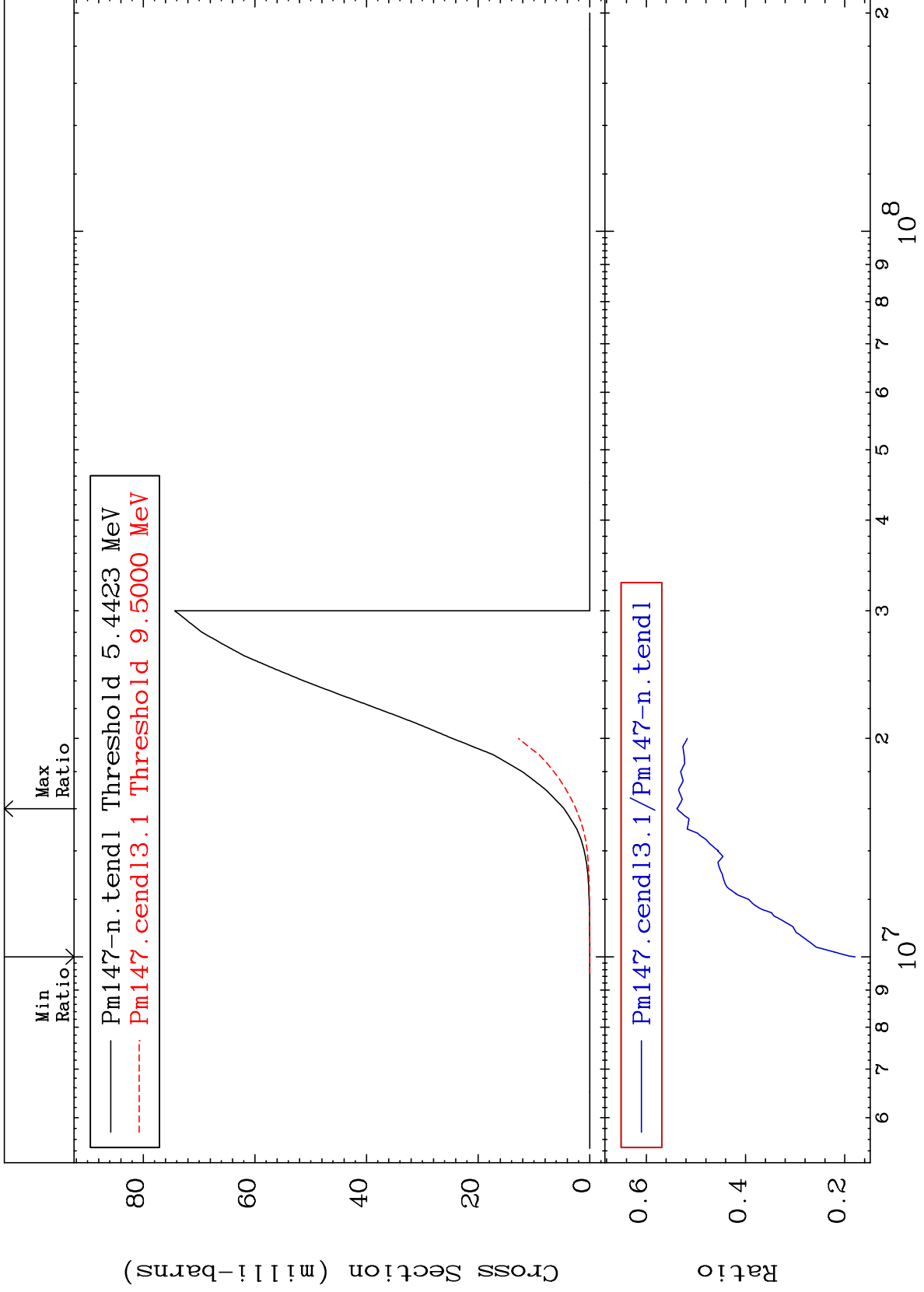
-98.07 To 9999. %



MAT 6149

(n, n') p  
Cross Section

61-Pm-147  
-82.07 To -46.17%



7

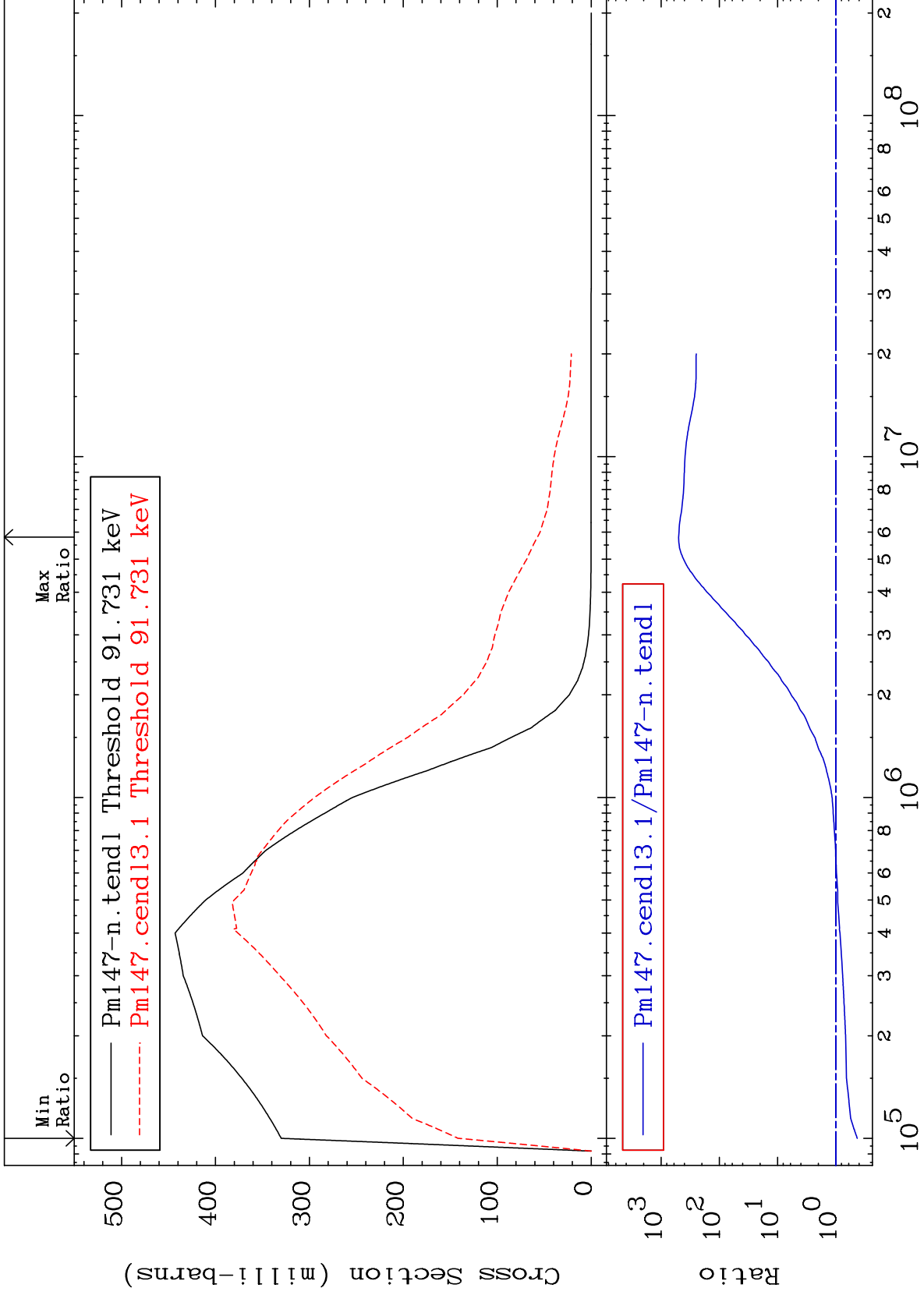
Incident Energy (eV)

61-Pm-147

MAT 6149

91.10 keV (n,n') Level  
Cross Section

61-Pm-147  
-57.10 To 9999. %

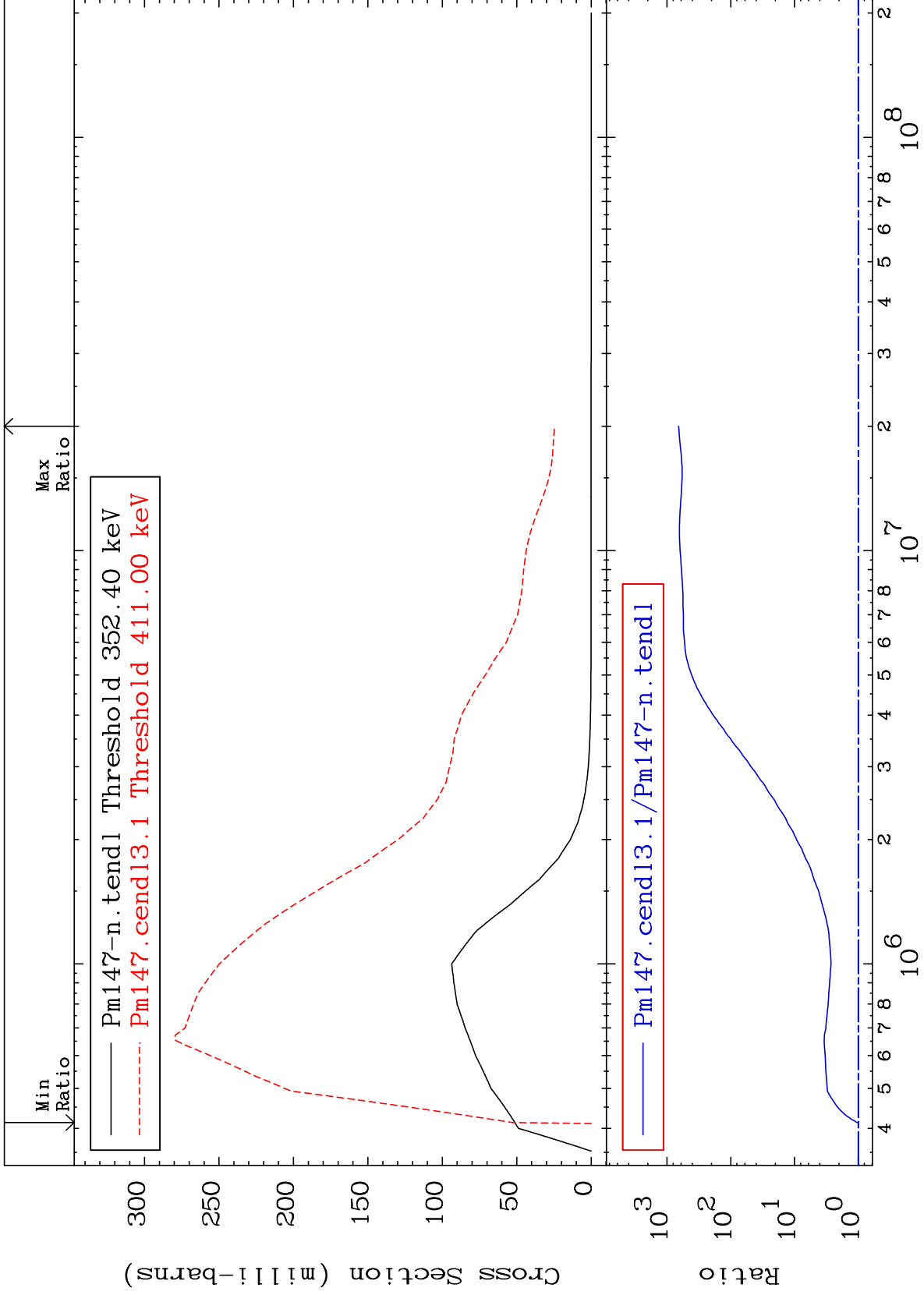




MAT 6149

350.0 keV (n,n') Level  
Cross Section

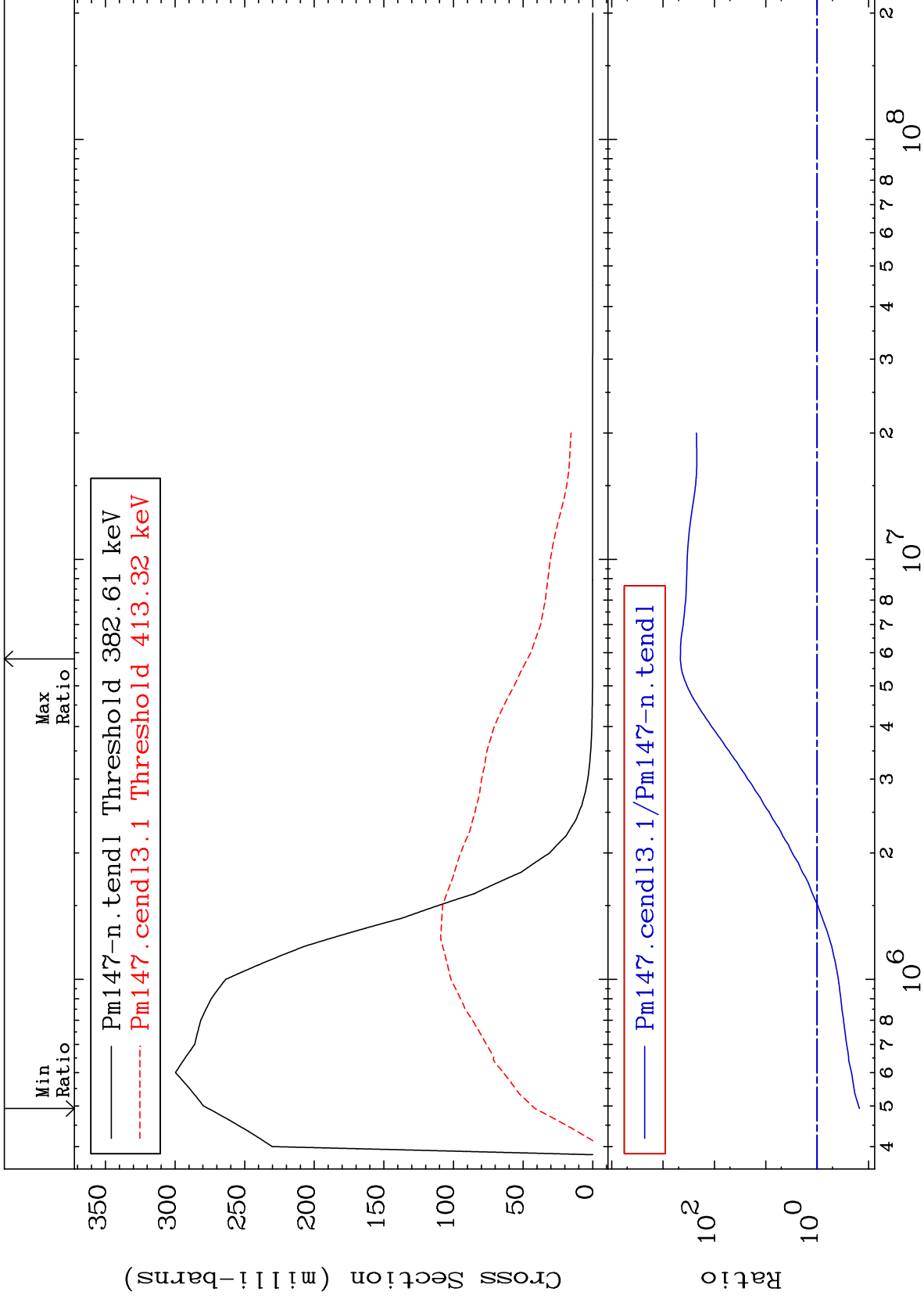
61-Pm-147  
3.438 To 9999. %



MAT 6149

380.0 keV (n,n') Level  
Cross Section

61-Pm-147  
-84.97 To 9999. %



10

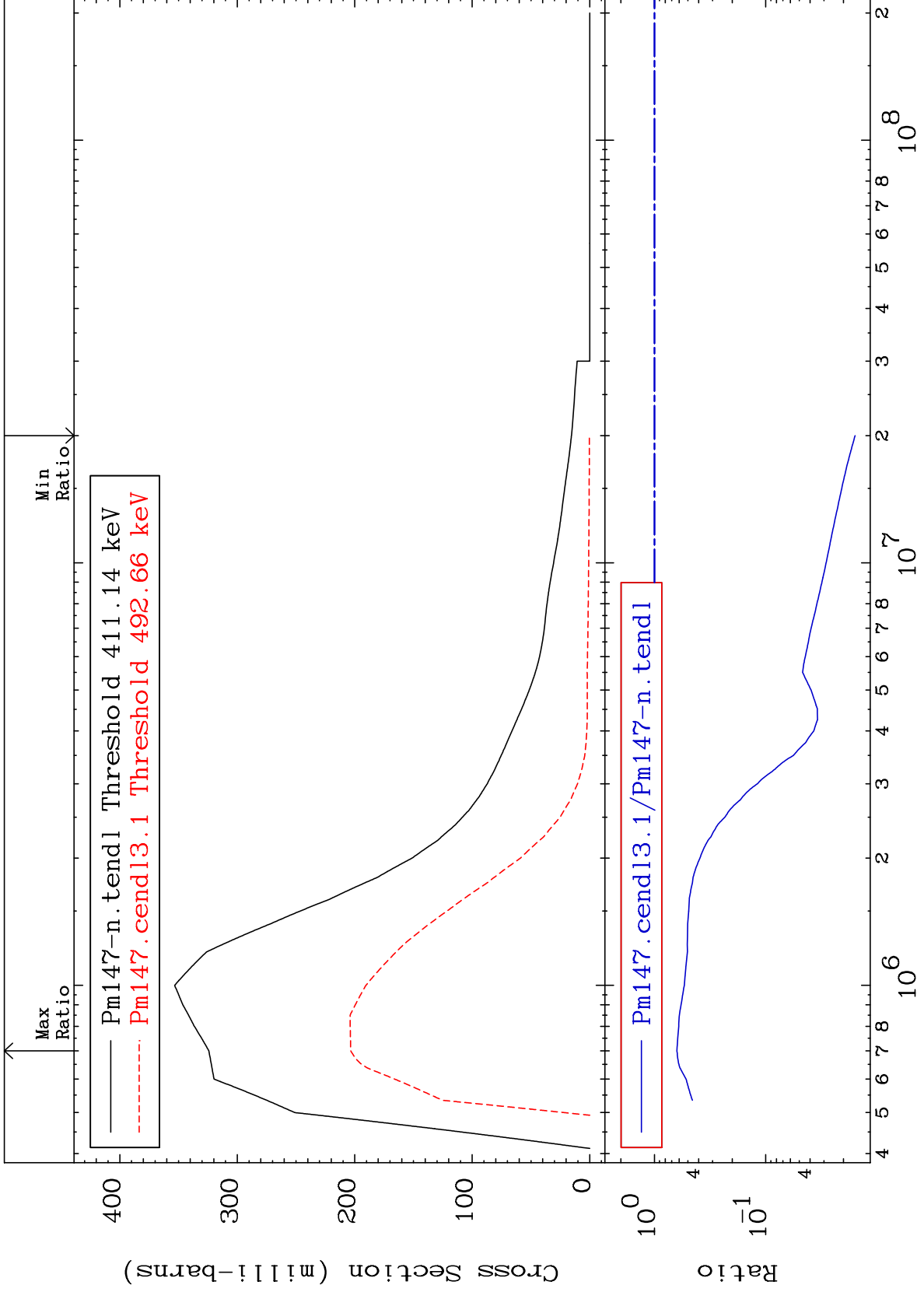
Incident Energy (eV)

61-Pm-147

MAT 6149

408.3 keV (n,n') Level  
Cross Section

61-Pm-147  
-98.43 To -37.24%



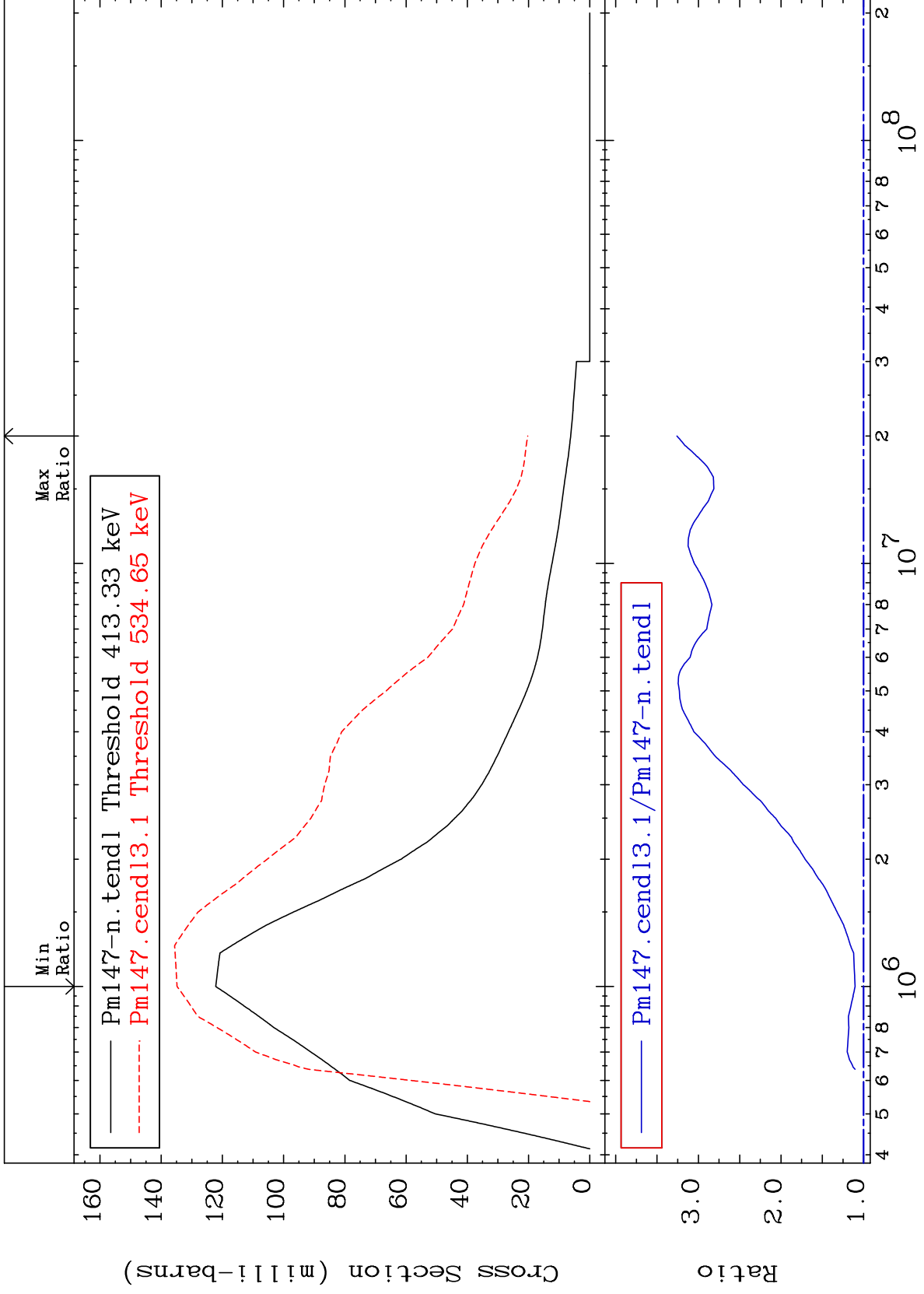
11

61-Pm-147

MAT 6149

410.5 keV (n,n') Level  
Cross Section

61-Pm-147  
10.34 To 225.9 %



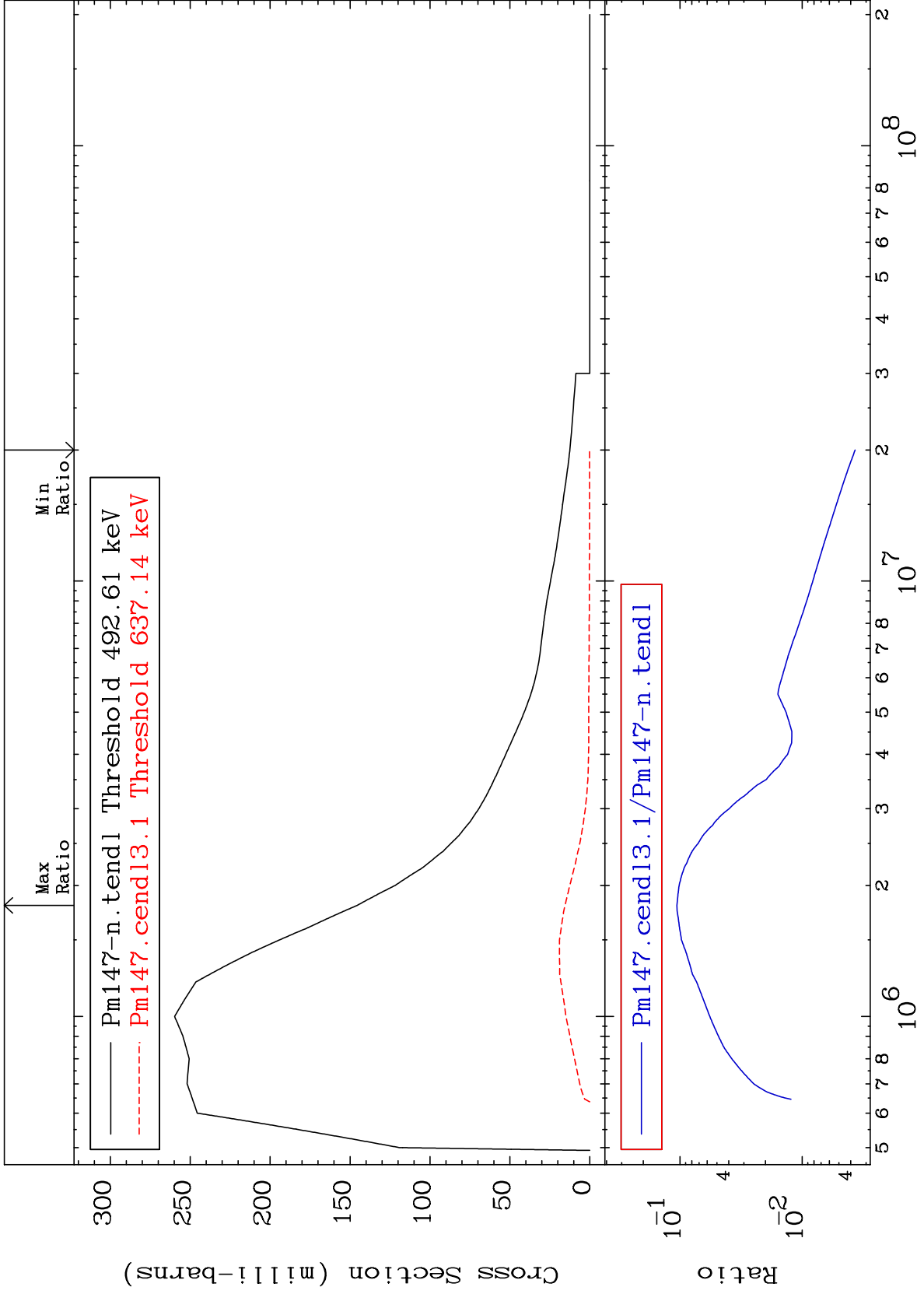
12

61-Pm-147

MAT 6149

489.3 keV (n,n') Level  
Cross Section

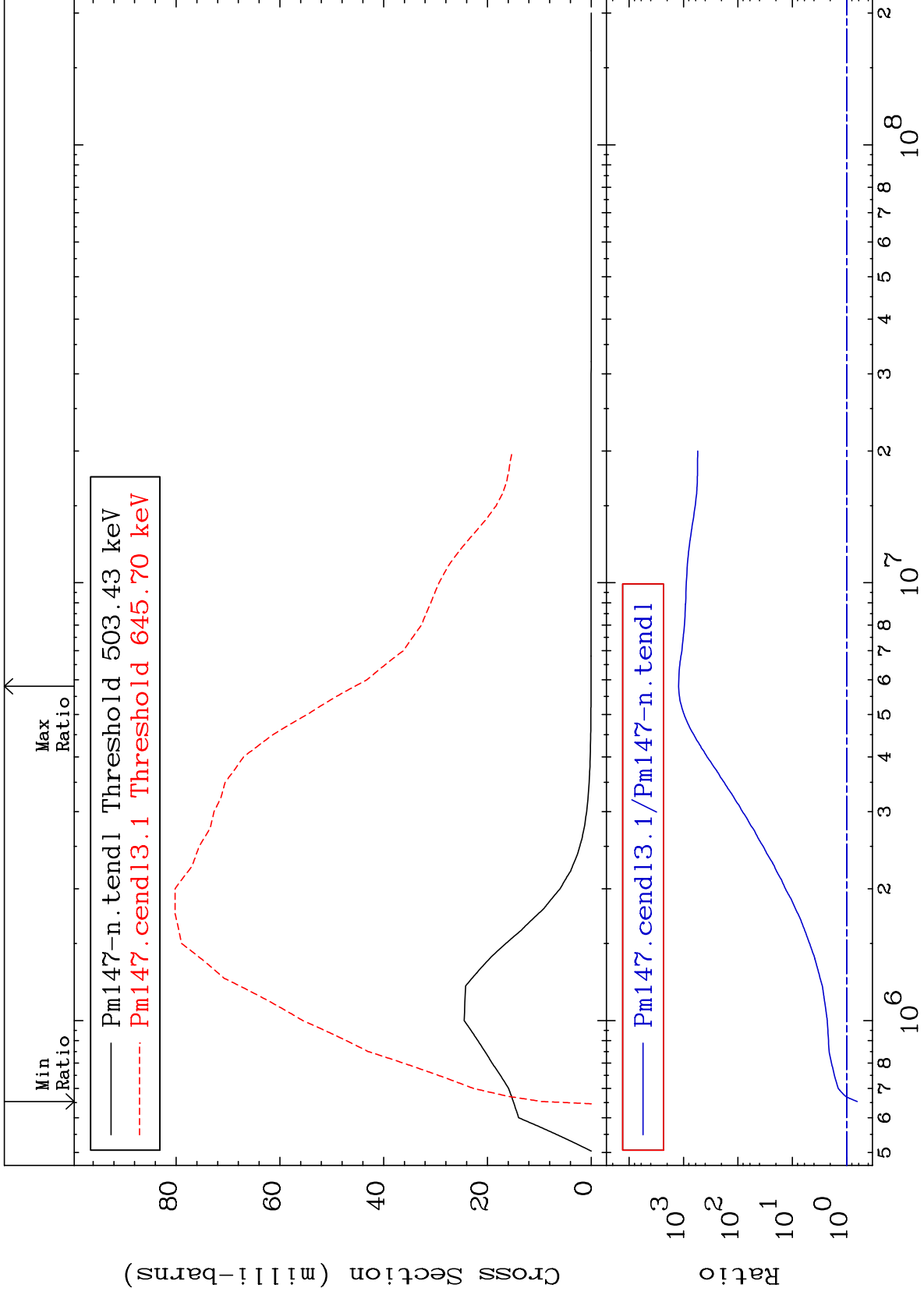
61-Pm-147  
-99.63 To -89.39%



MAT 6149

500.0 keV (n,n') Level  
Cross Section

61-Pm-147  
-36.14 To 9999. %



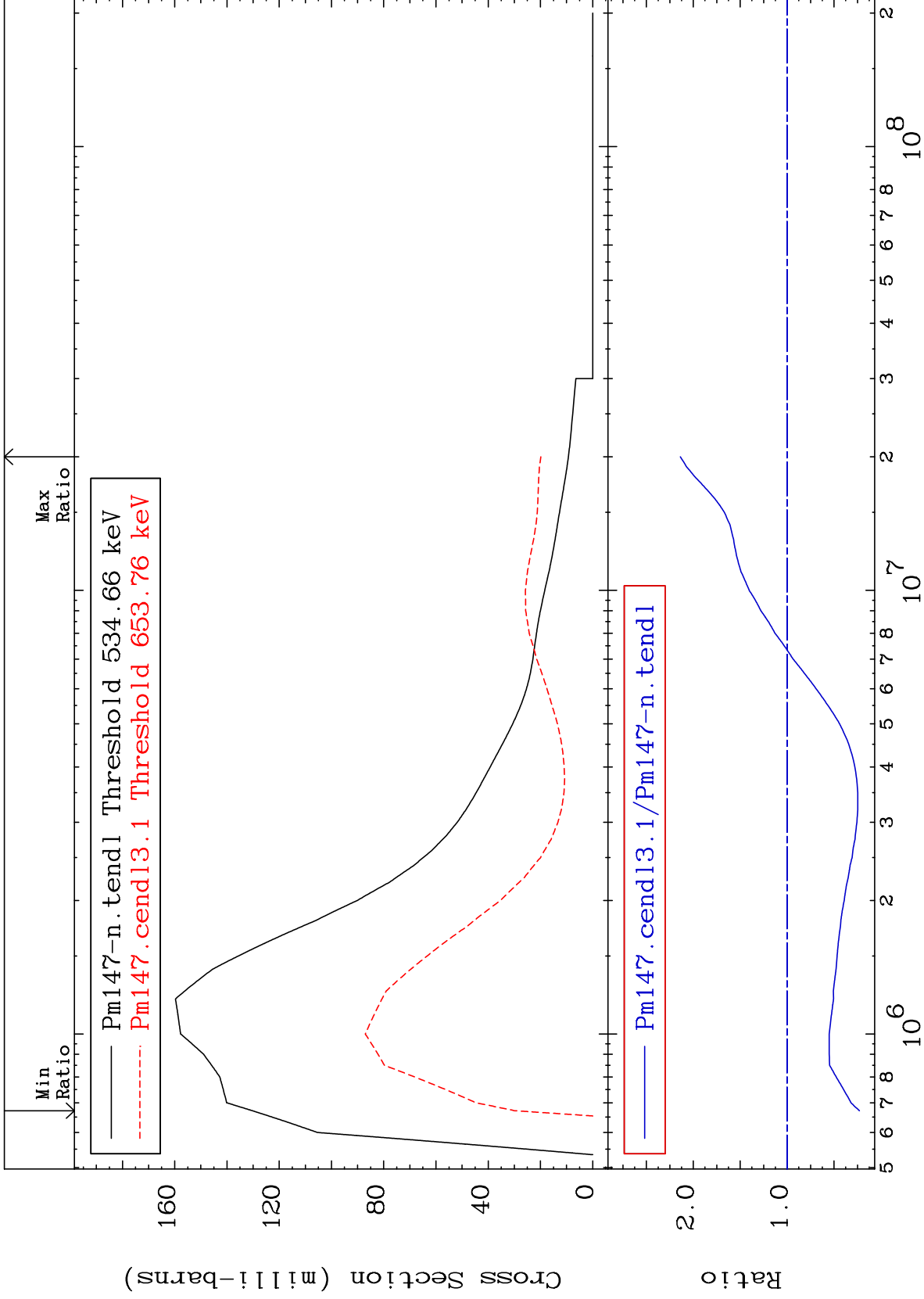
14

61-Pm-147

MAT 6149

531.0 keV (n,n') Level  
Cross Section

61-Pm-147  
-77.08 To 113.8 %



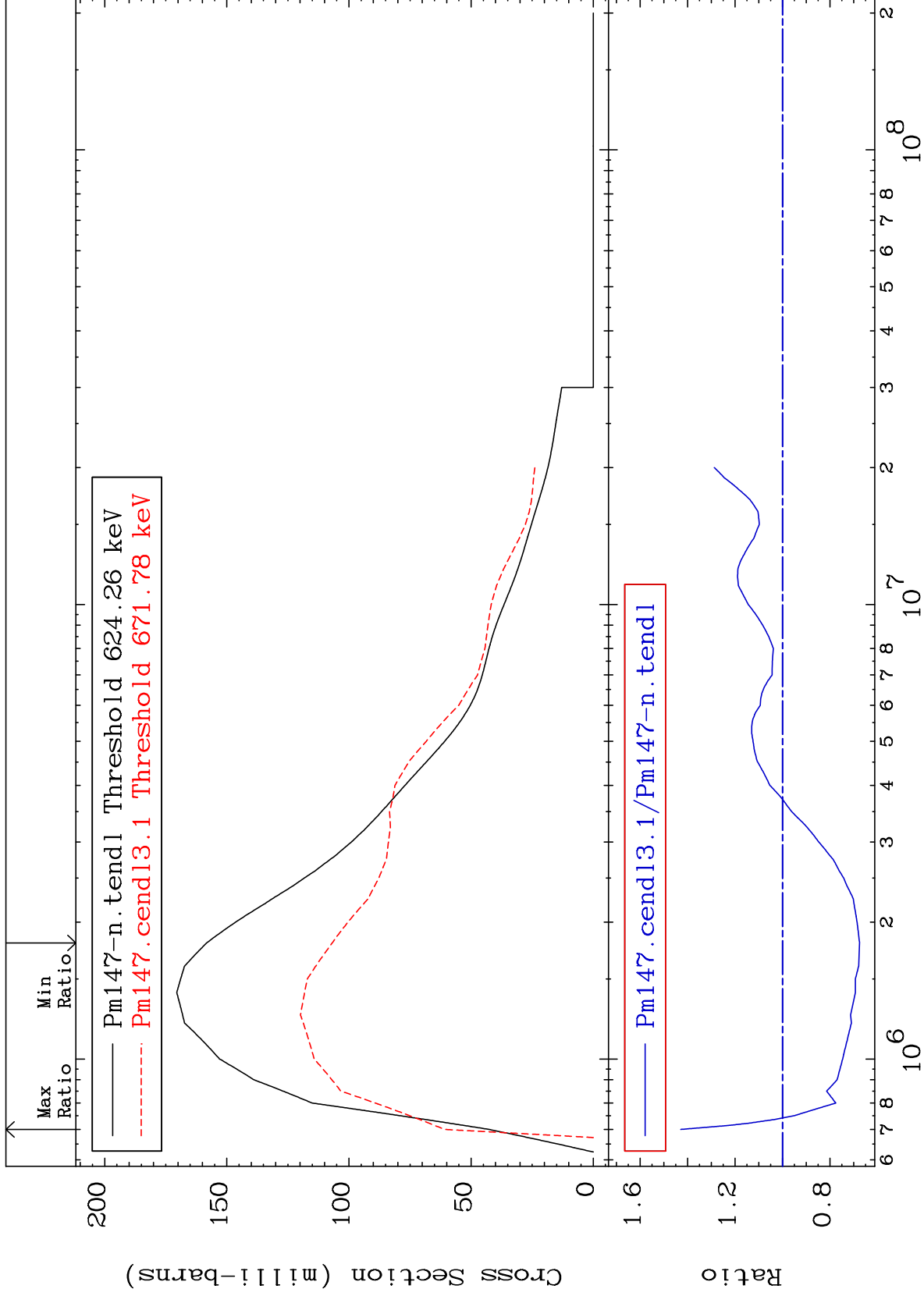
15

61-Pm-147

MAT 6149

620.0 keV (n,n') Level  
Cross Section

61-Pm-147  
-32.47 To 42.86 %



16

Incident Energy (eV)

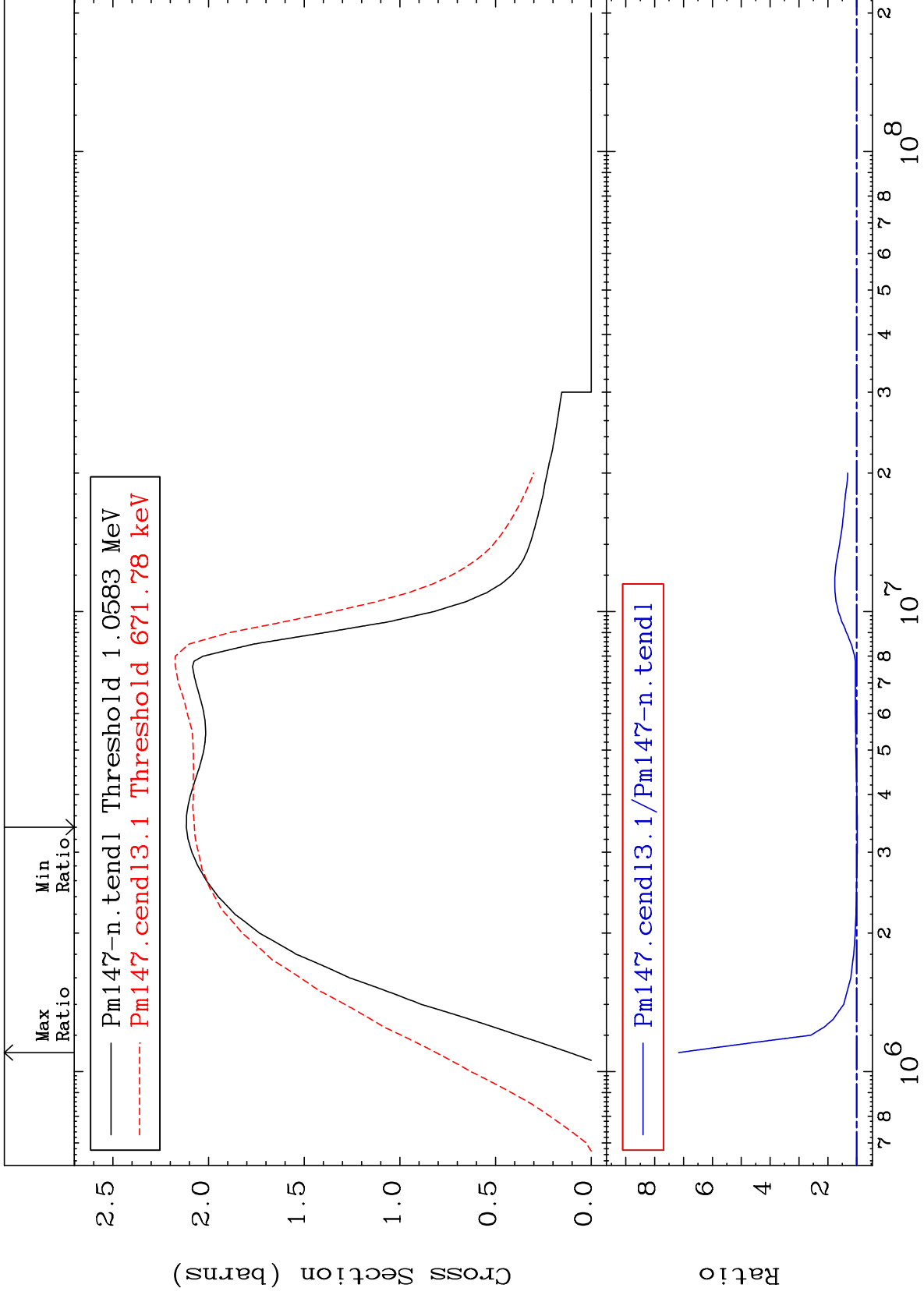
61-Pm-147



MAT 6149

(n, n') Continuum  
Cross Section

61-Pm-147  
-1.986 To 617.0 %



17

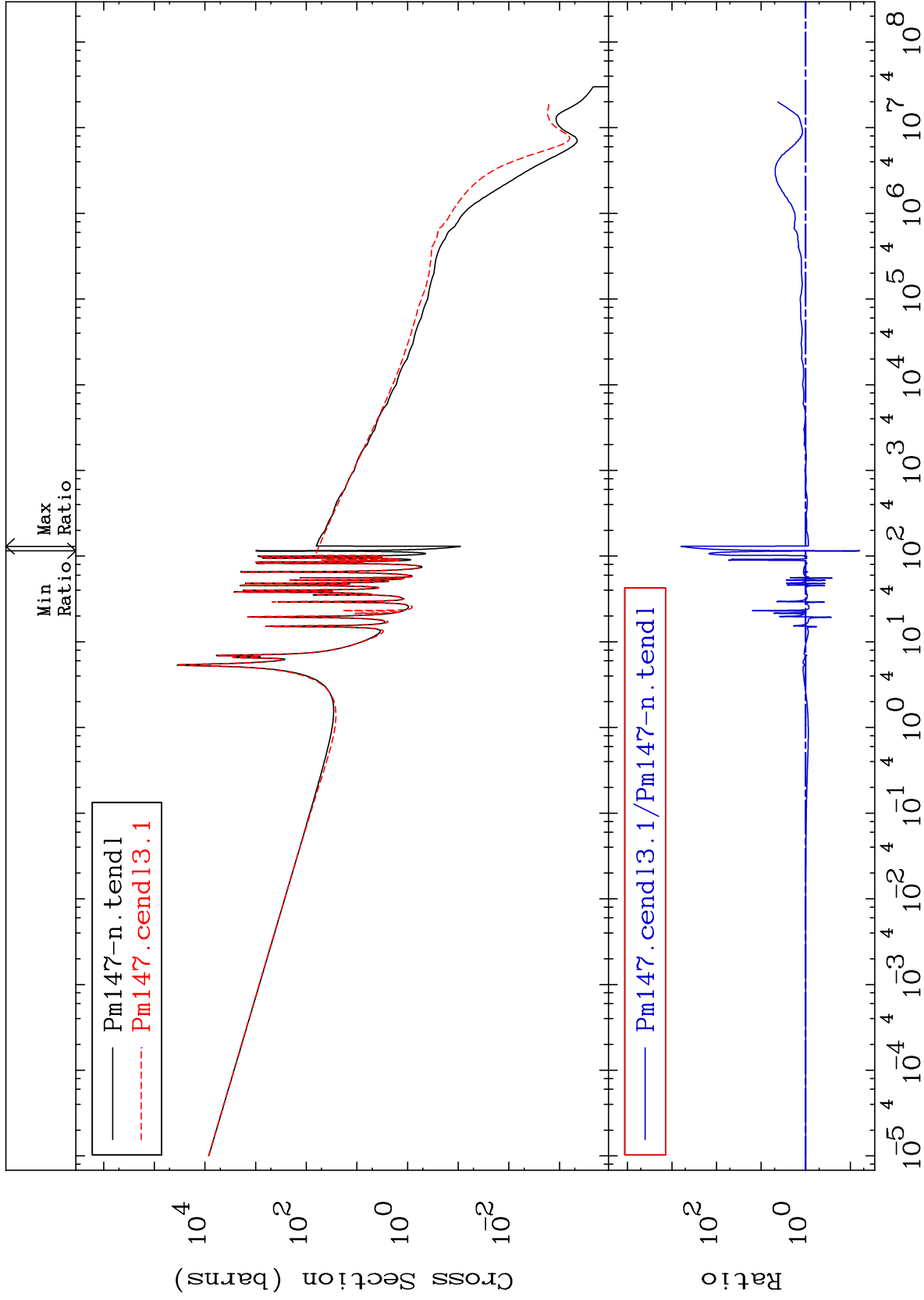
61-Pm-147

MAT 6149

61-Pm-147

-93.80 To 9999. %

(n,  $\gamma$ )  
Cross Section



18

Incident Energy (eV)

61-Pm-147

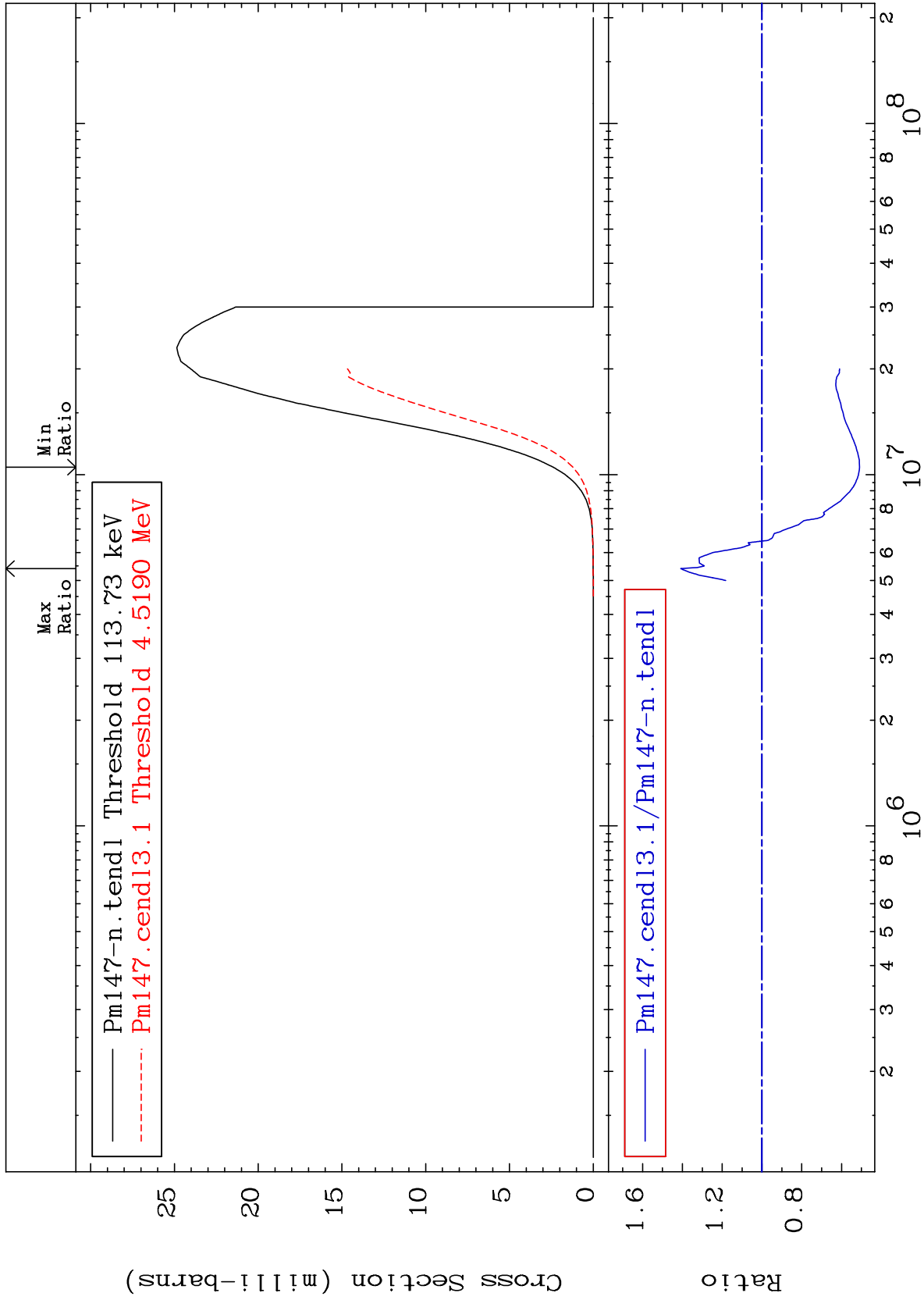
MAT 6149

(n, p)

61-Pm-147

Cross Section

-49.03 To 40.80 %



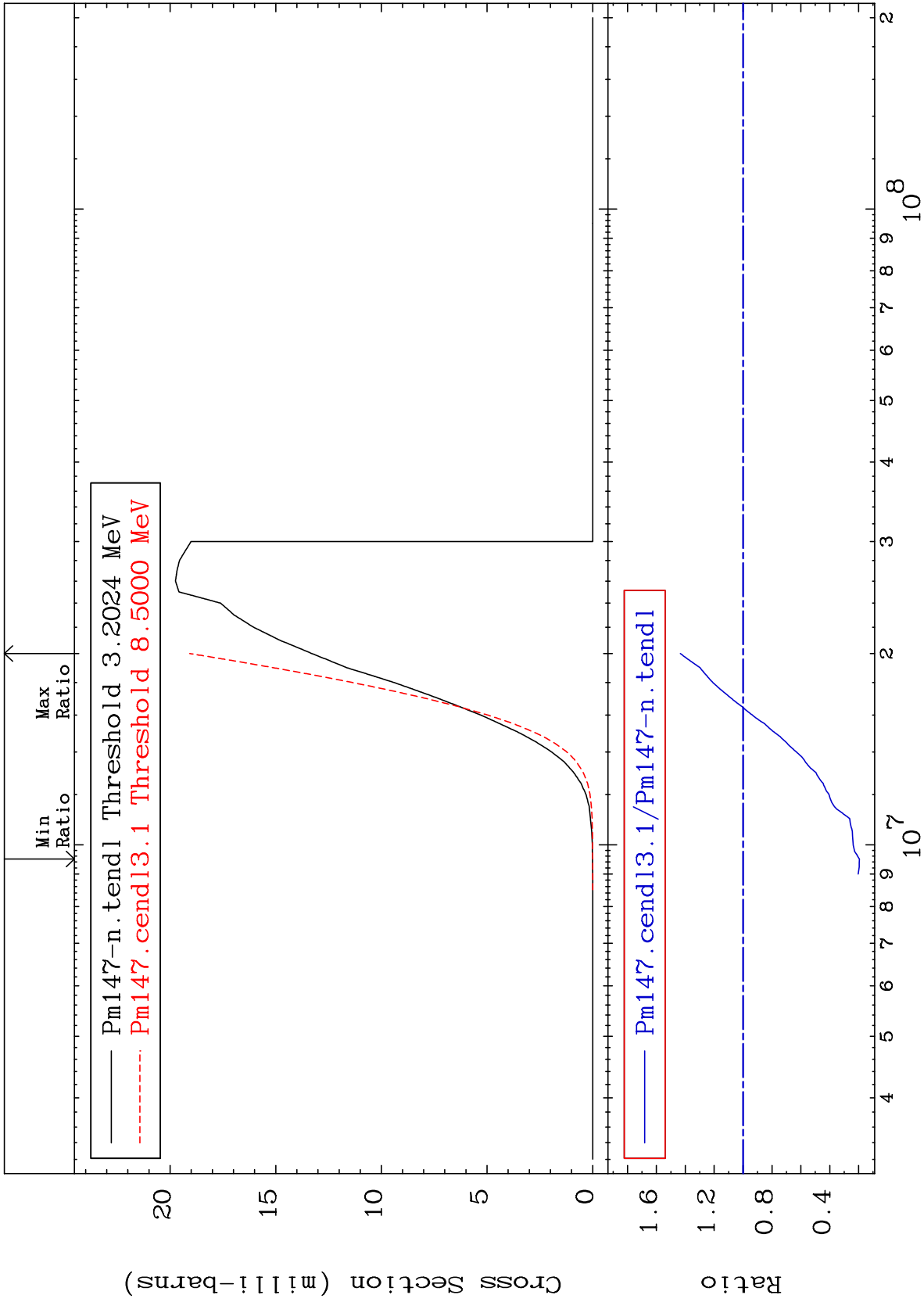
MAT 6149

(n, d)

61-Pm-147

Cross Section

-80.57 To 43.43 %



20

Incident Energy (eV)

61-Pm-147

MAT 6149

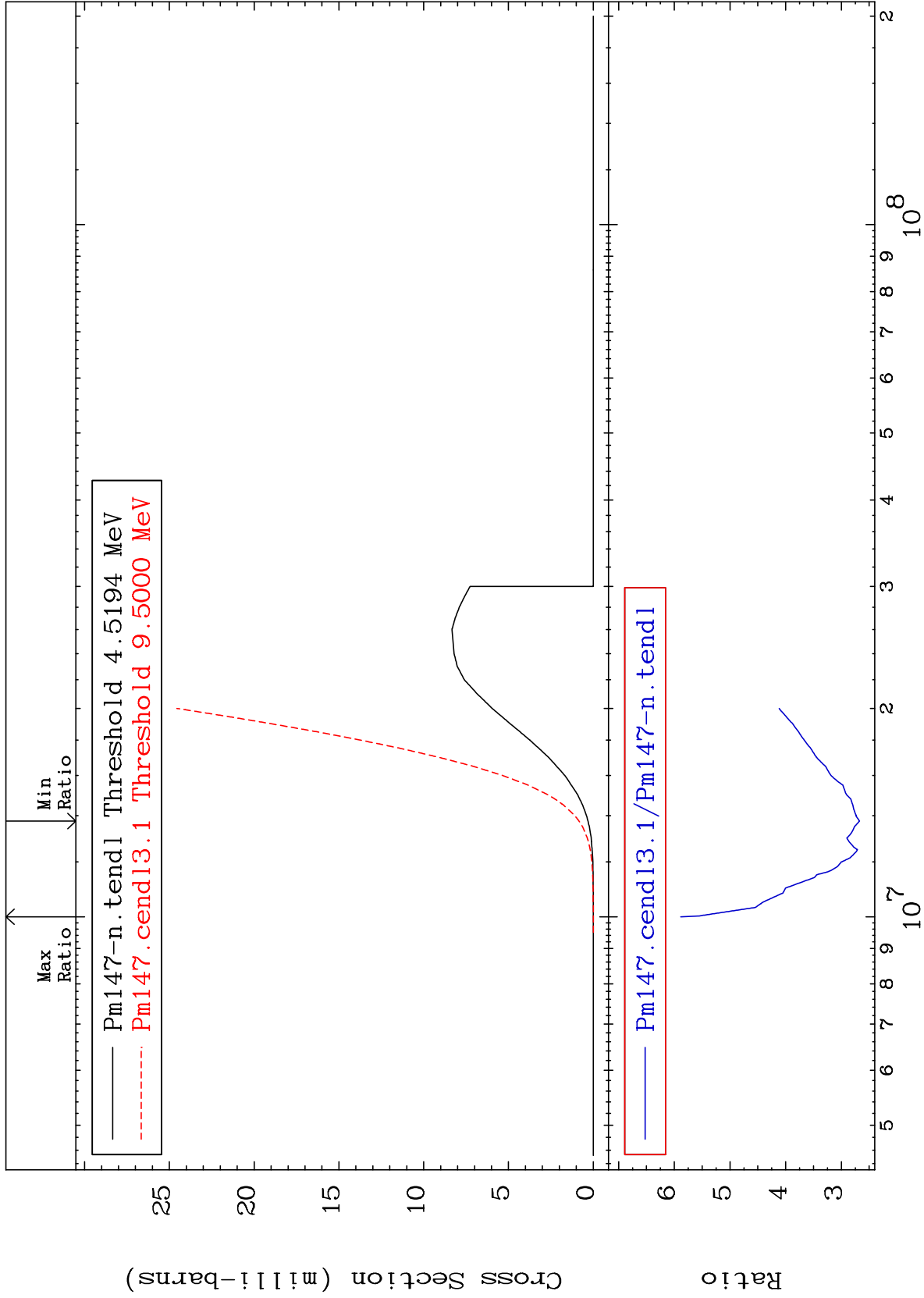
(n, t)

61-Pm-147

Cross Section

167.4

To 488.4 %



21

61-Pm-147

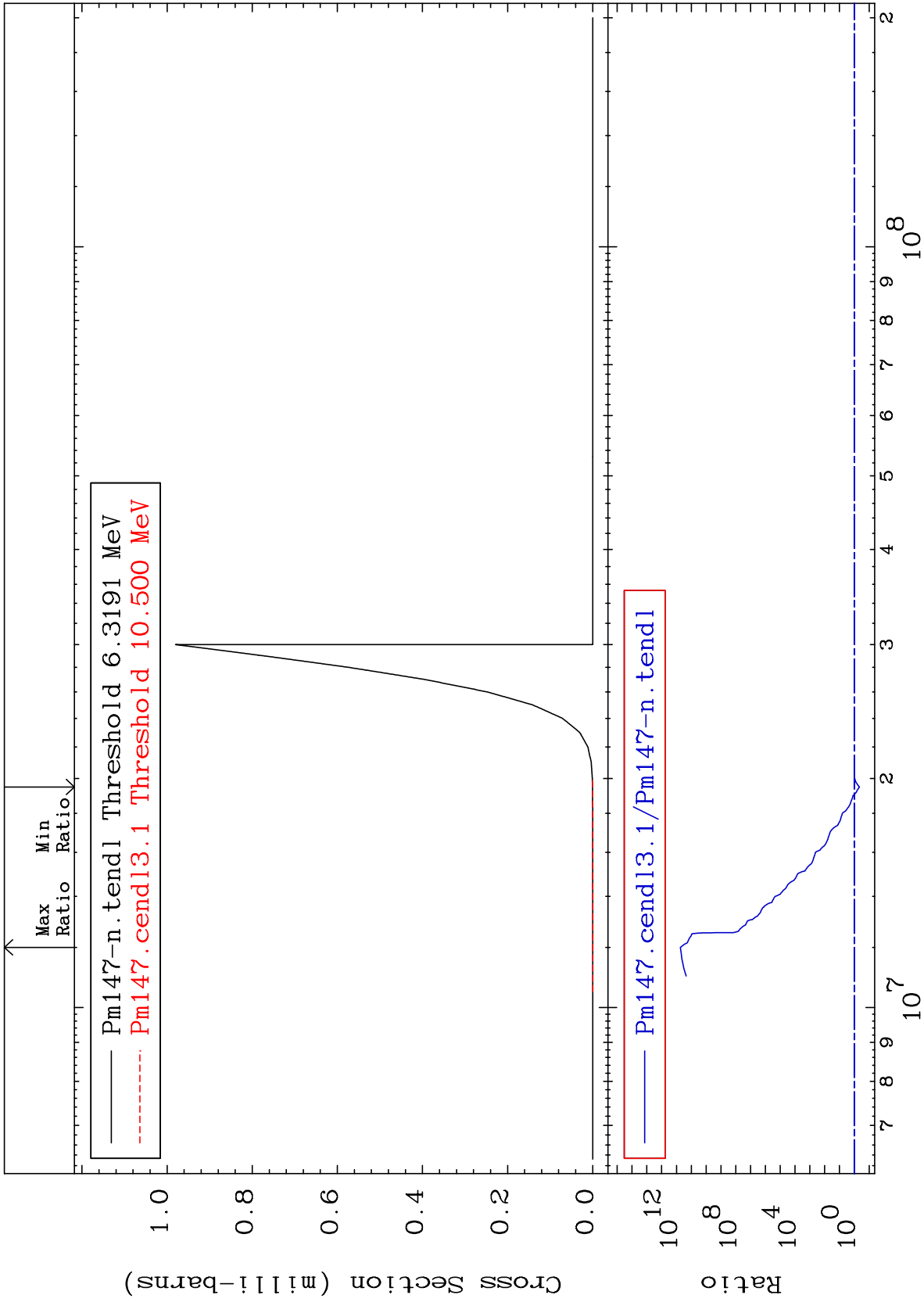
MAT 6149

(n, He-3)

61-Pm-147

Cross Section

-54.81 To 9999. %



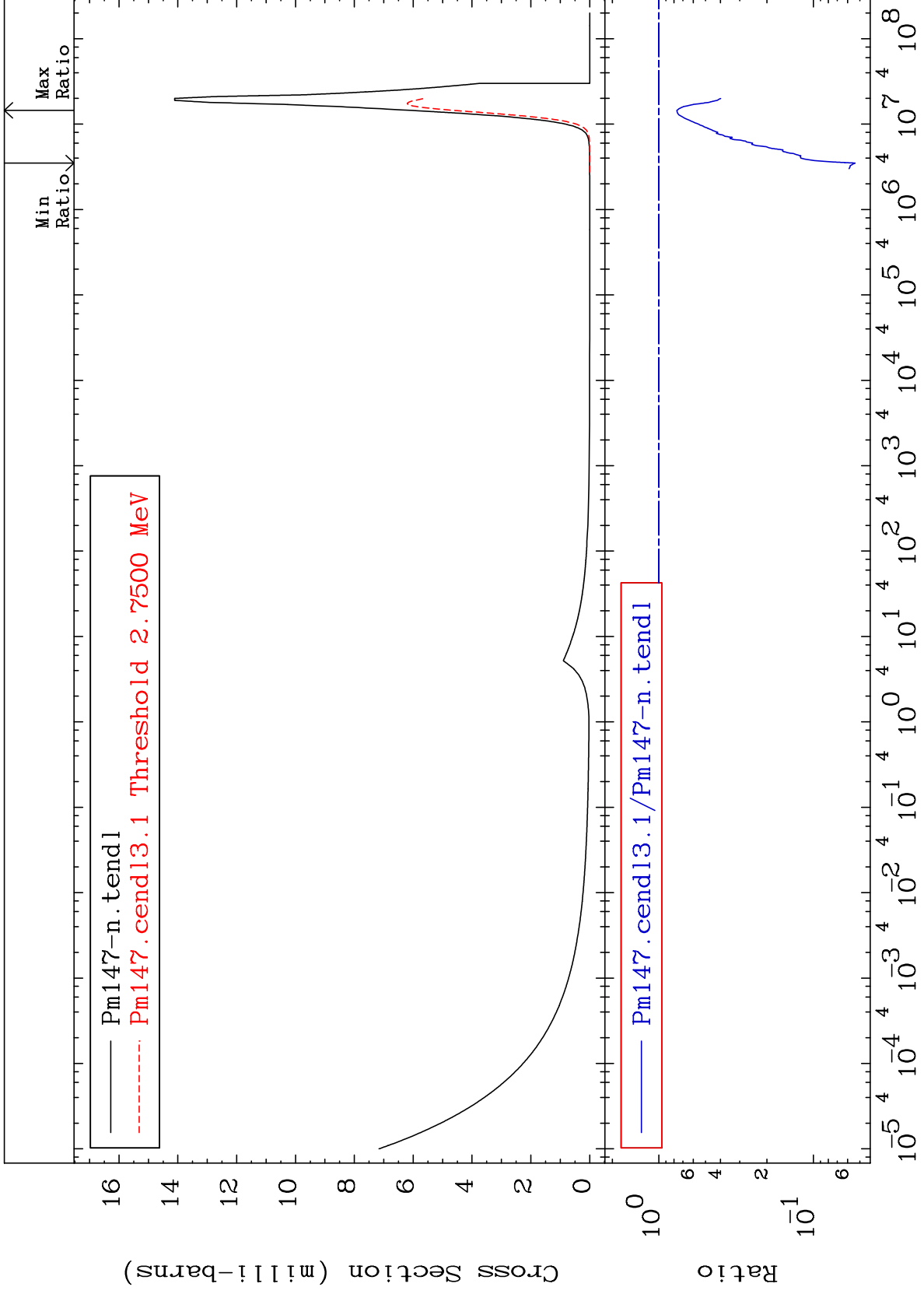
MAT 6149

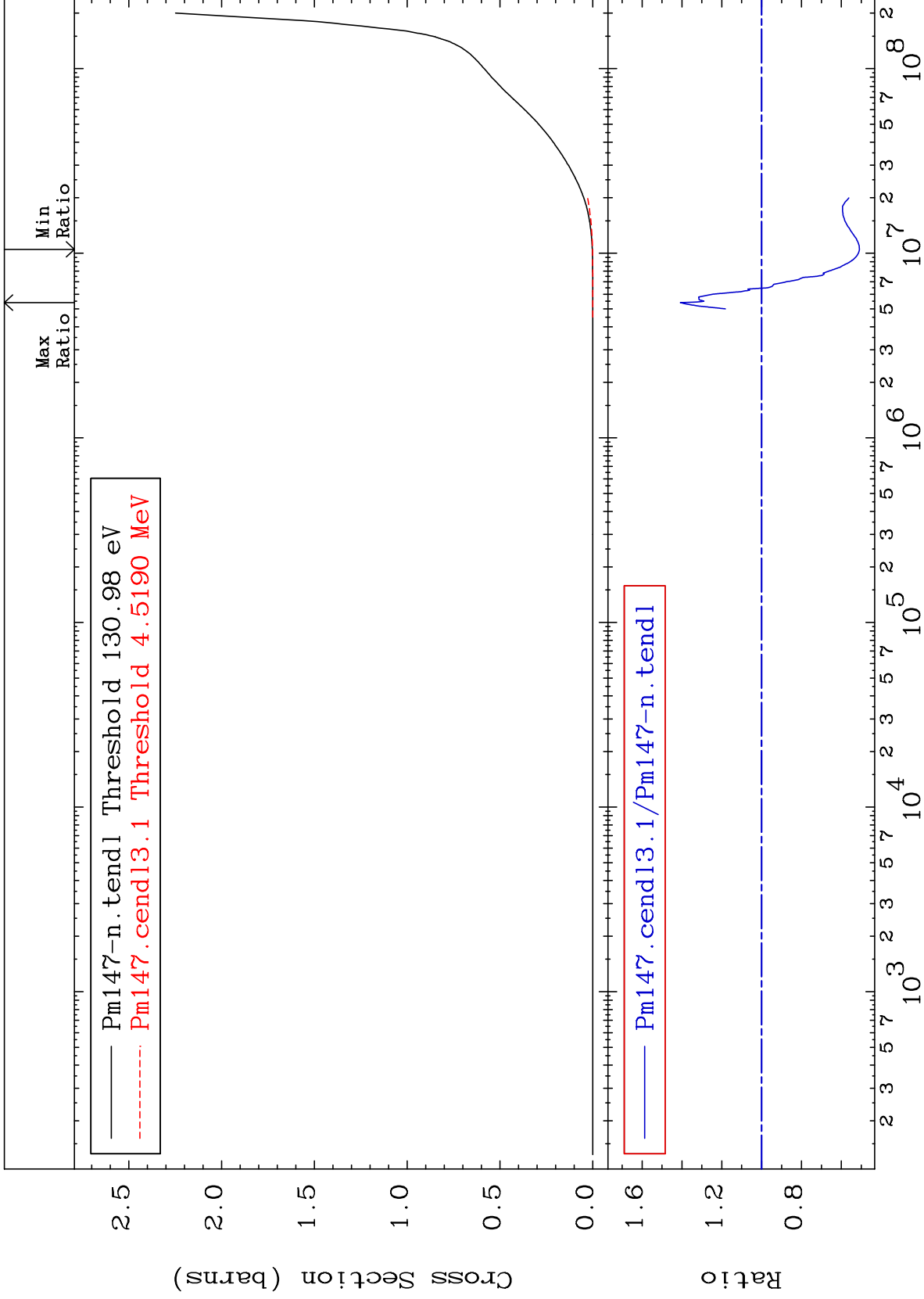
(n,  $\alpha$ )

61-Pm-147

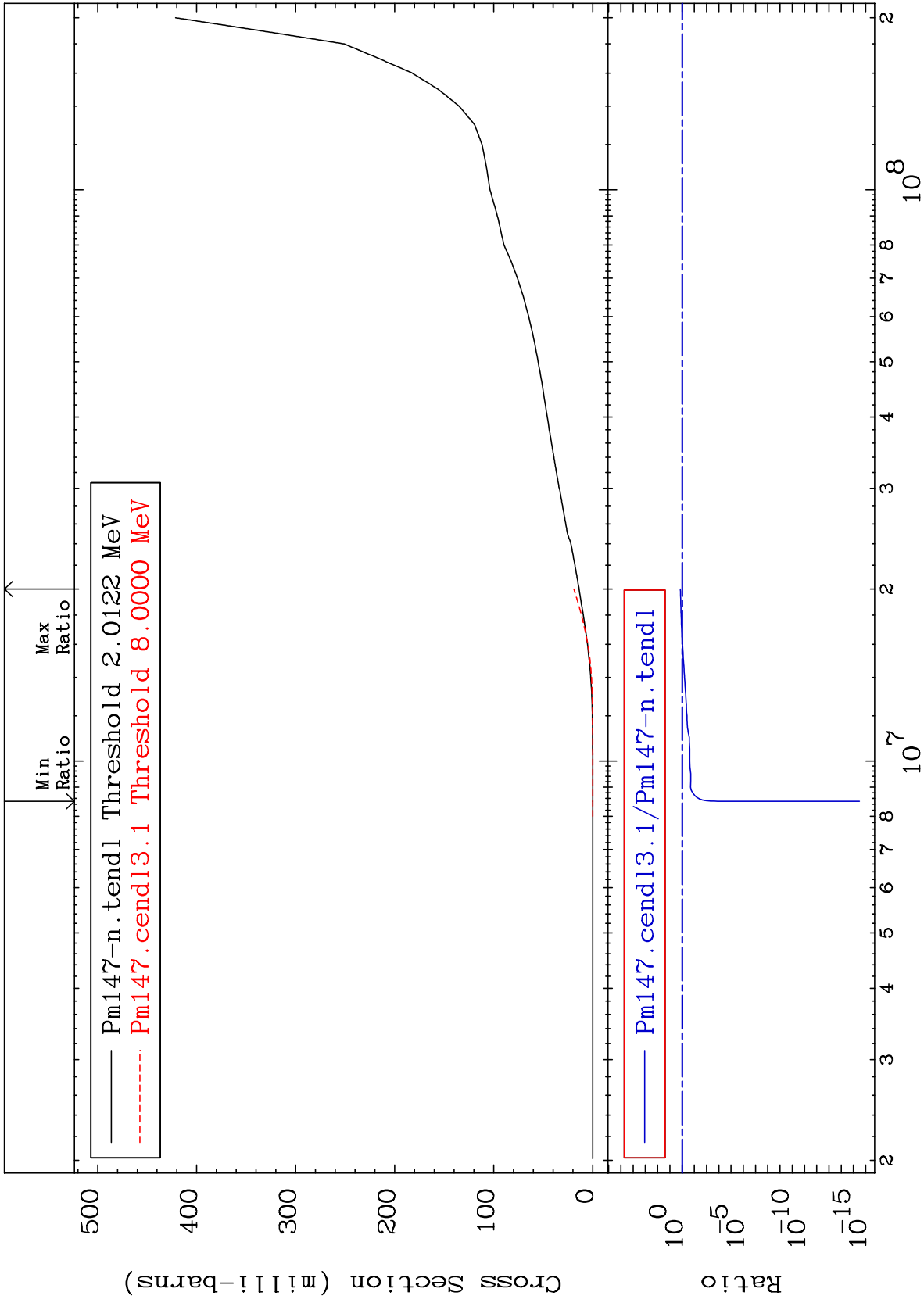
Cross Section

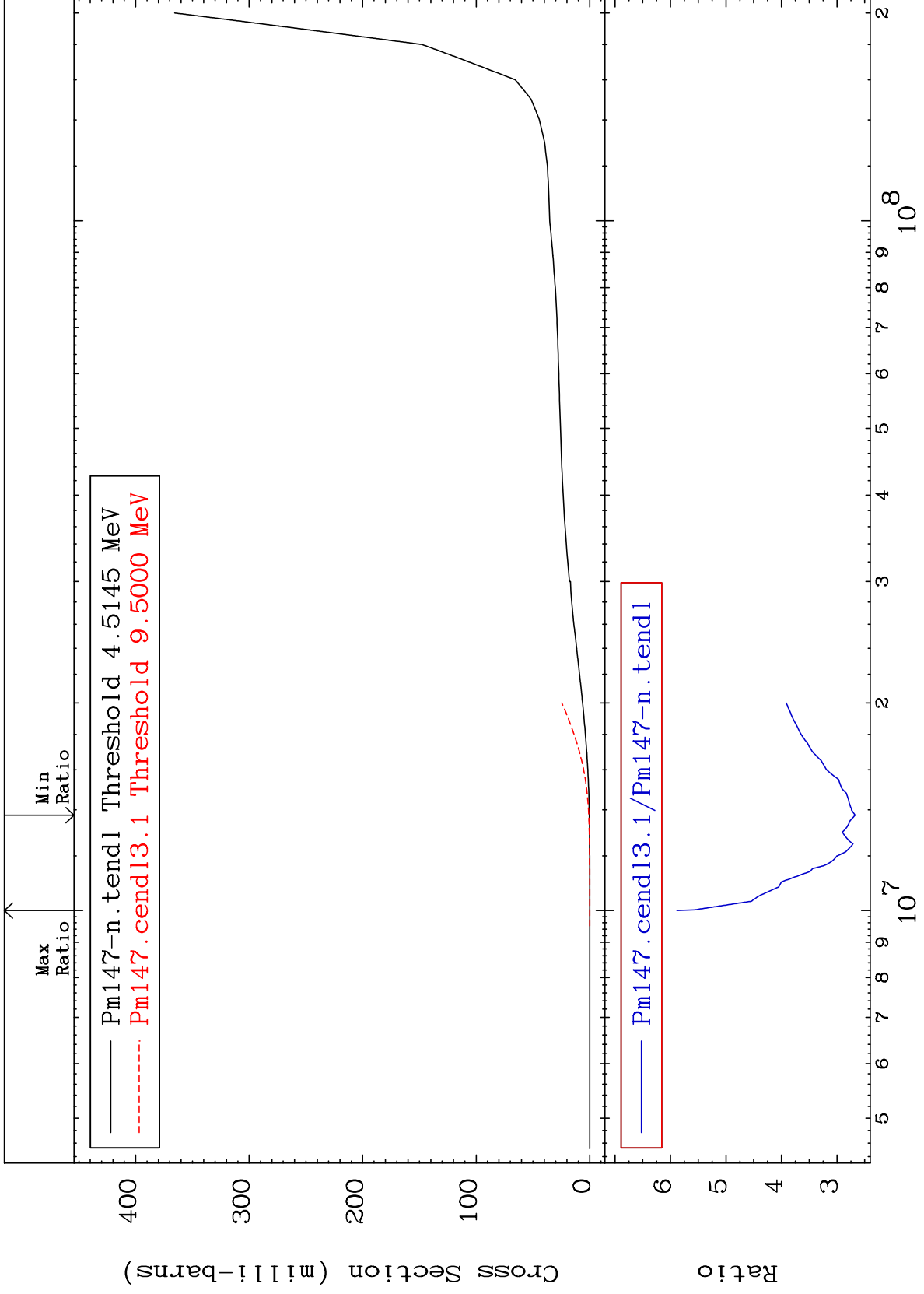
-94.63 To -23.54%







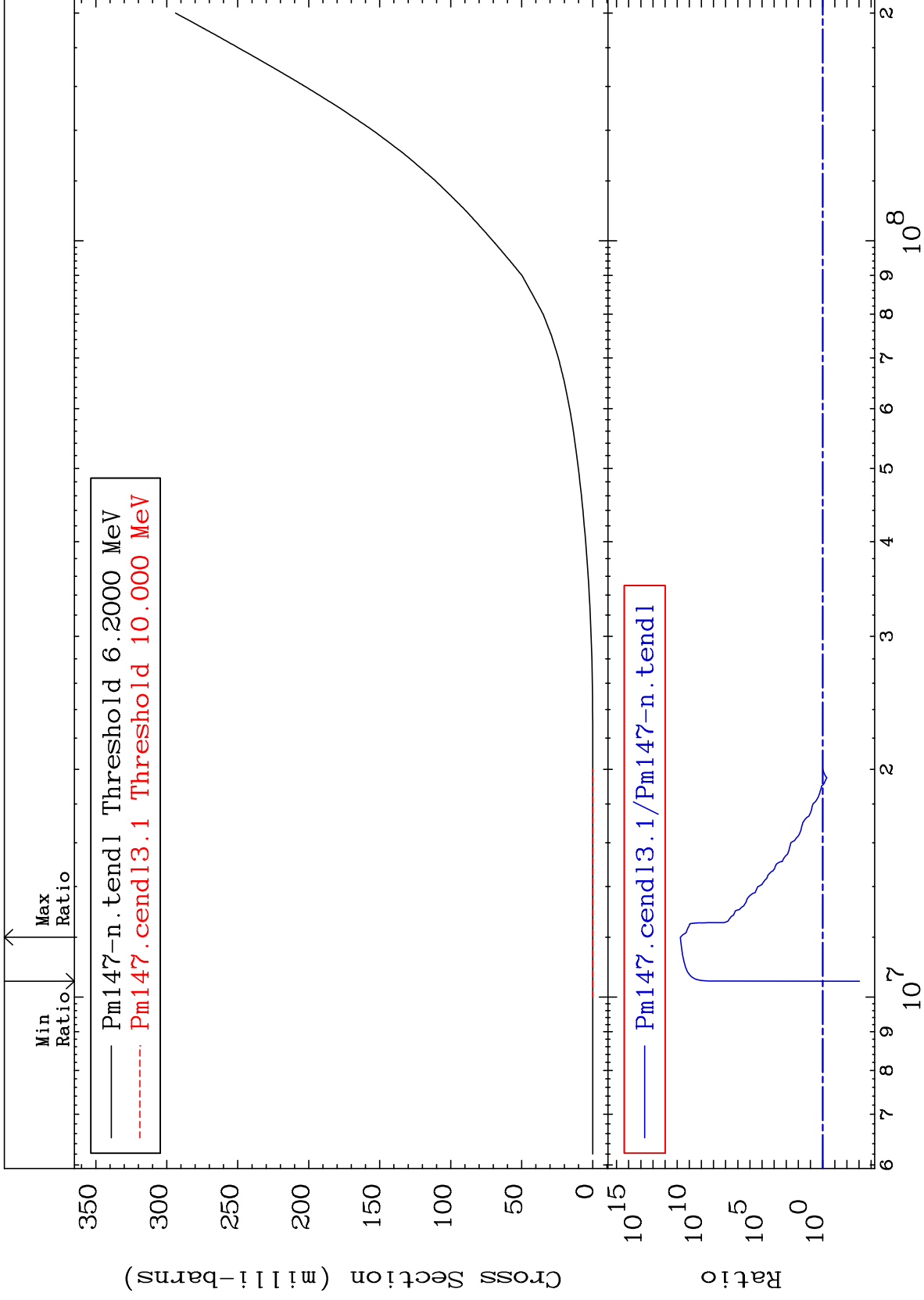




MAT 6149

He-3 Production  
Cross Section

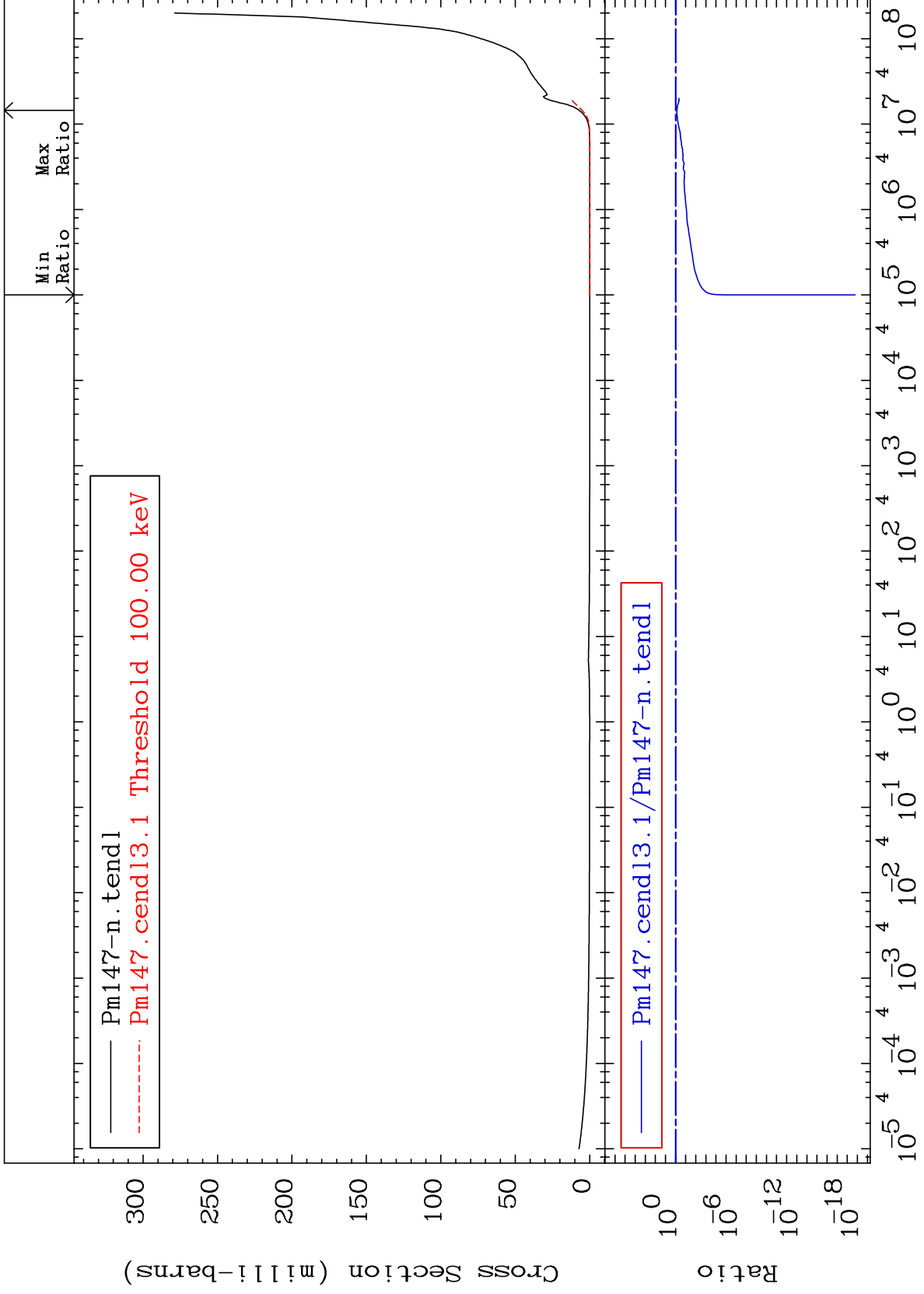
61-Pm-147  
-99.91 To 9999. %

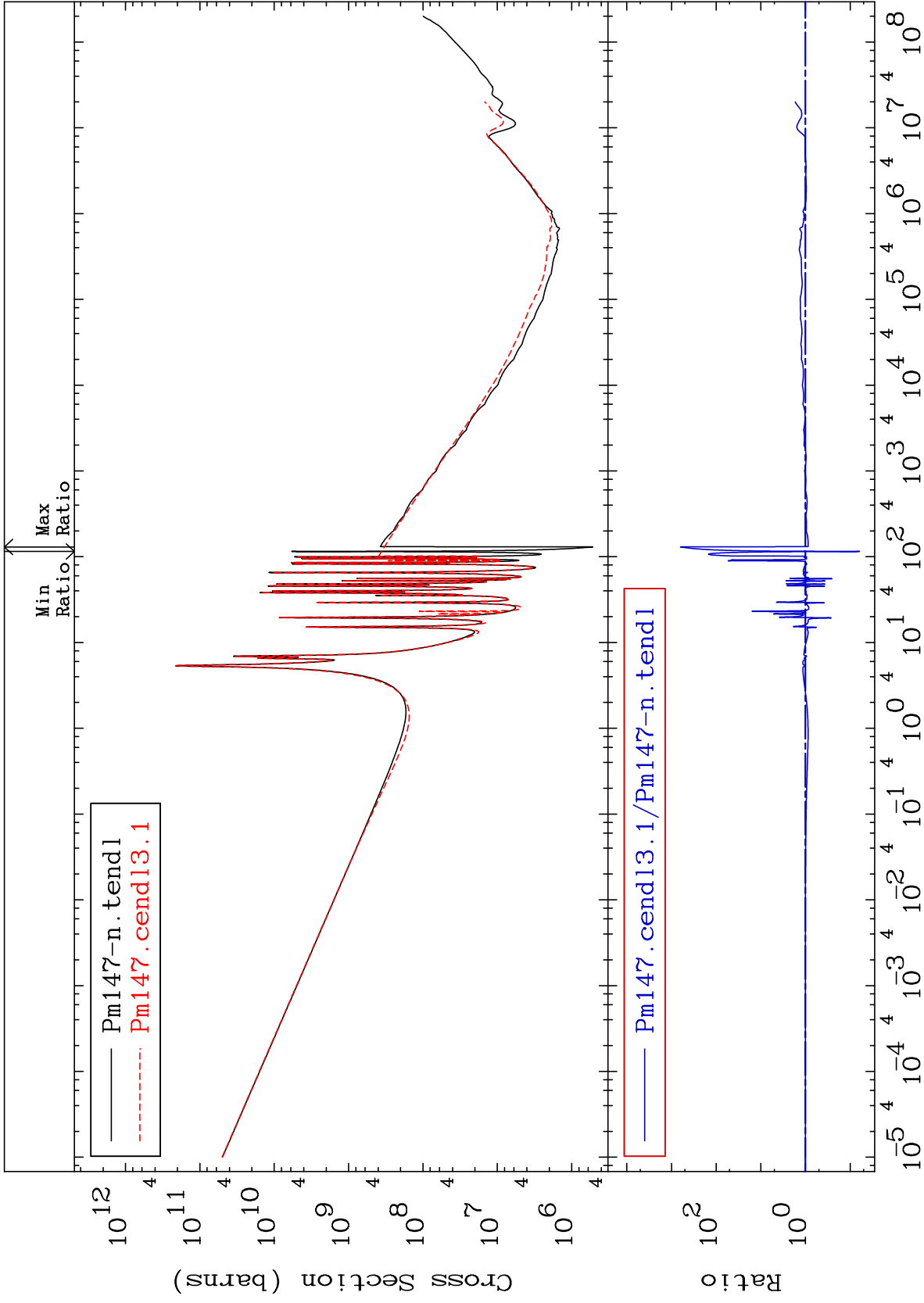


MAT 6149

He-4 Production  
Cross Section

61-Pm-147  
-100.0 To -26.66%

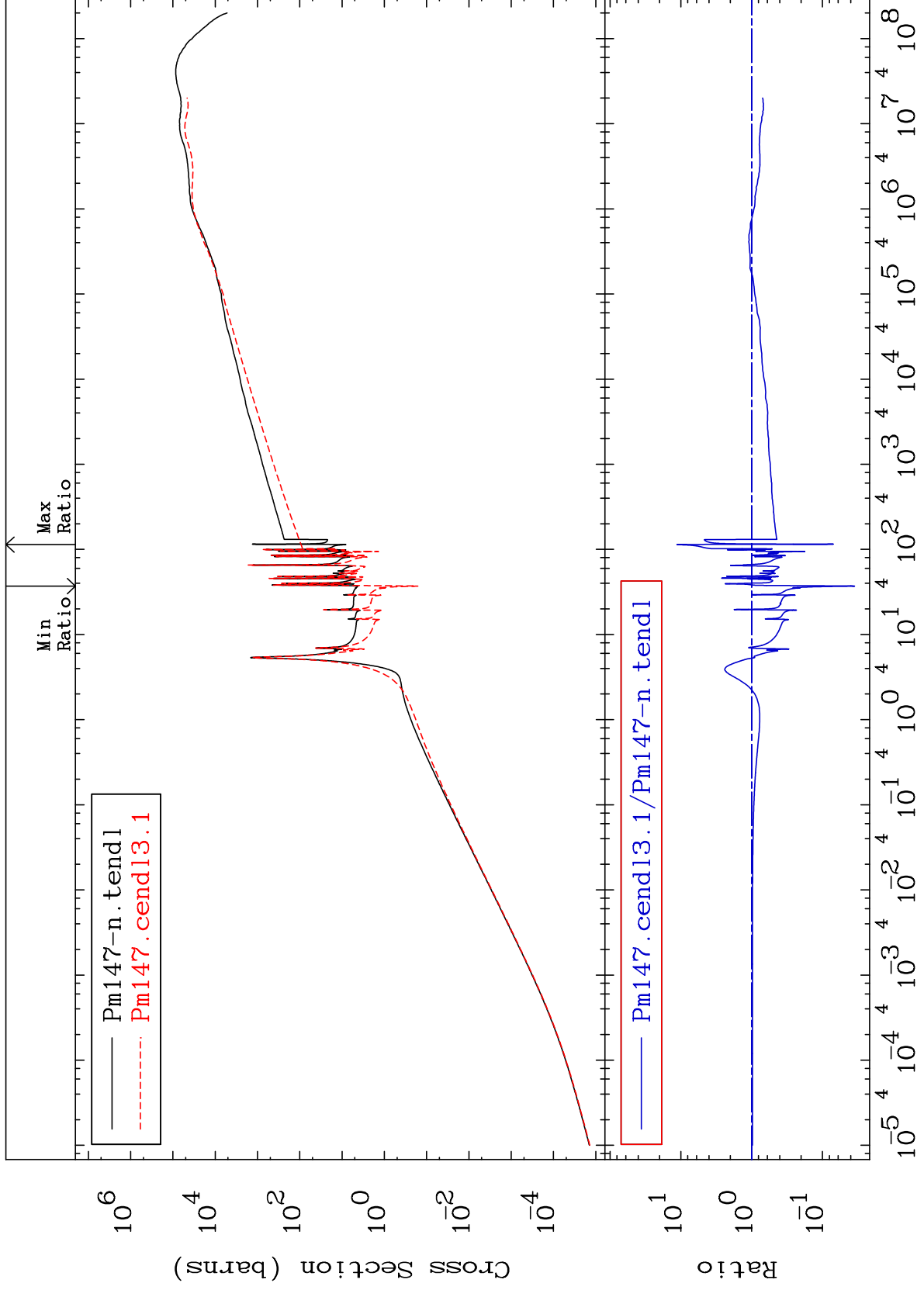


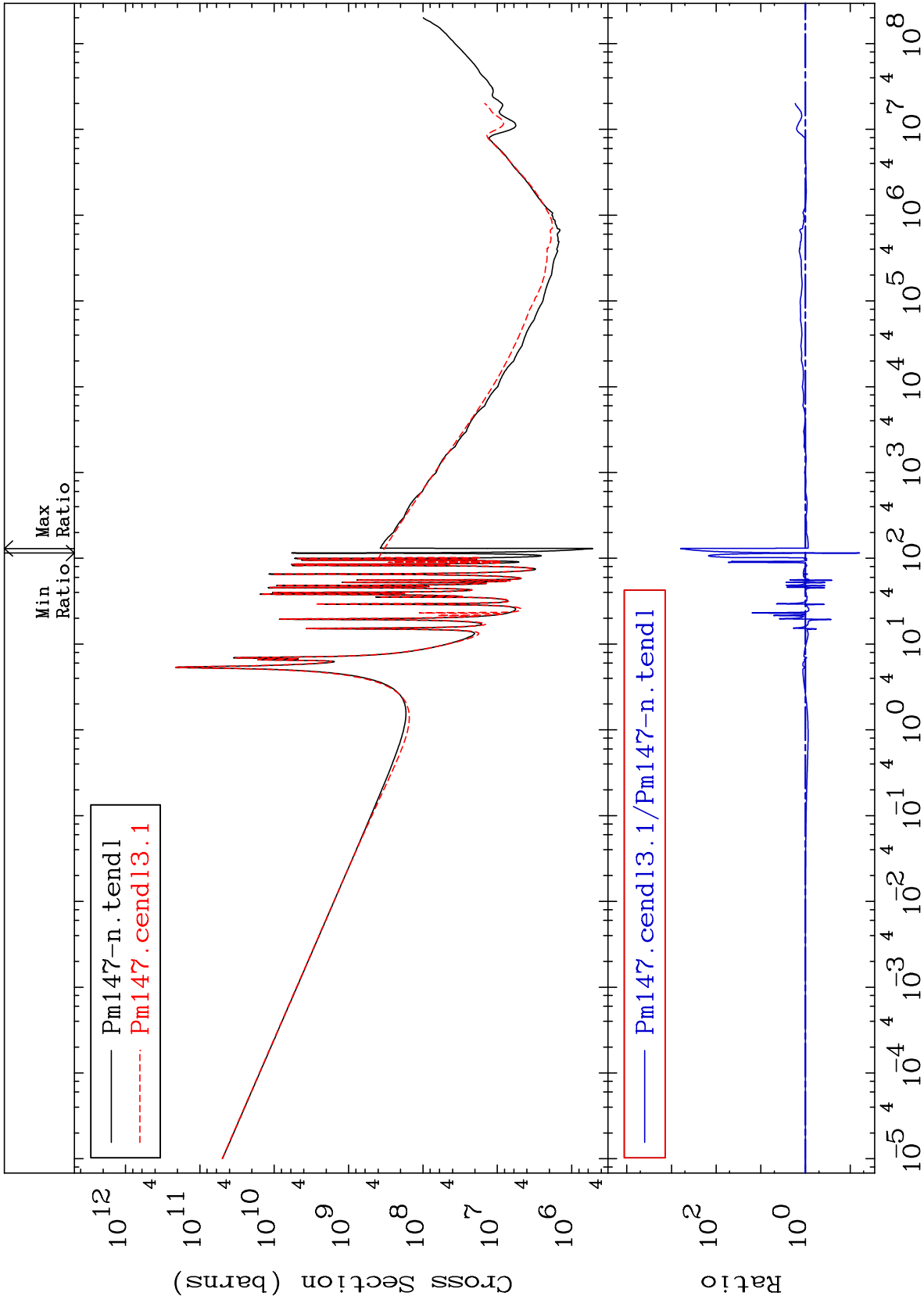


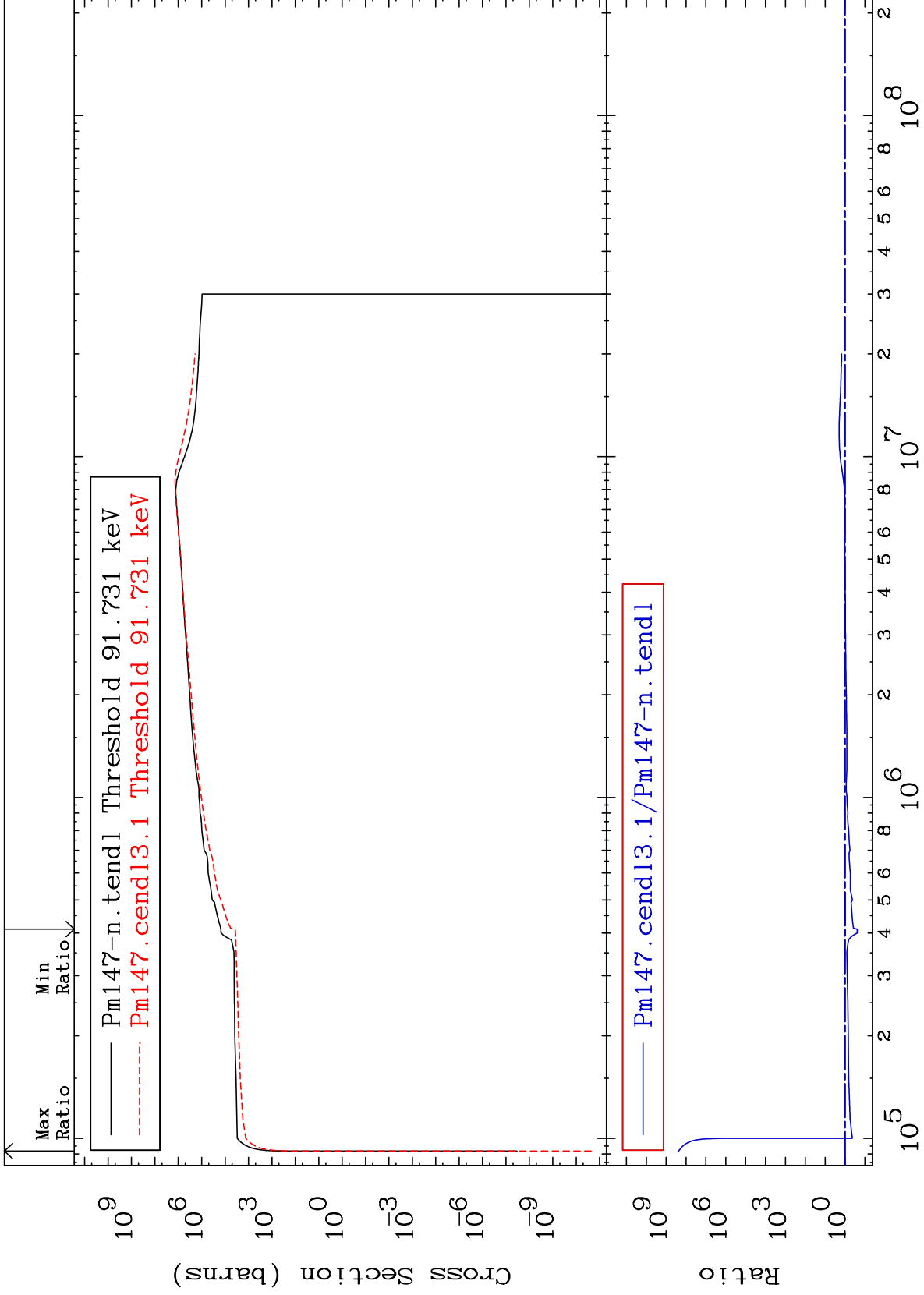
MAT 6149

Kerma elastic  
Cross Section

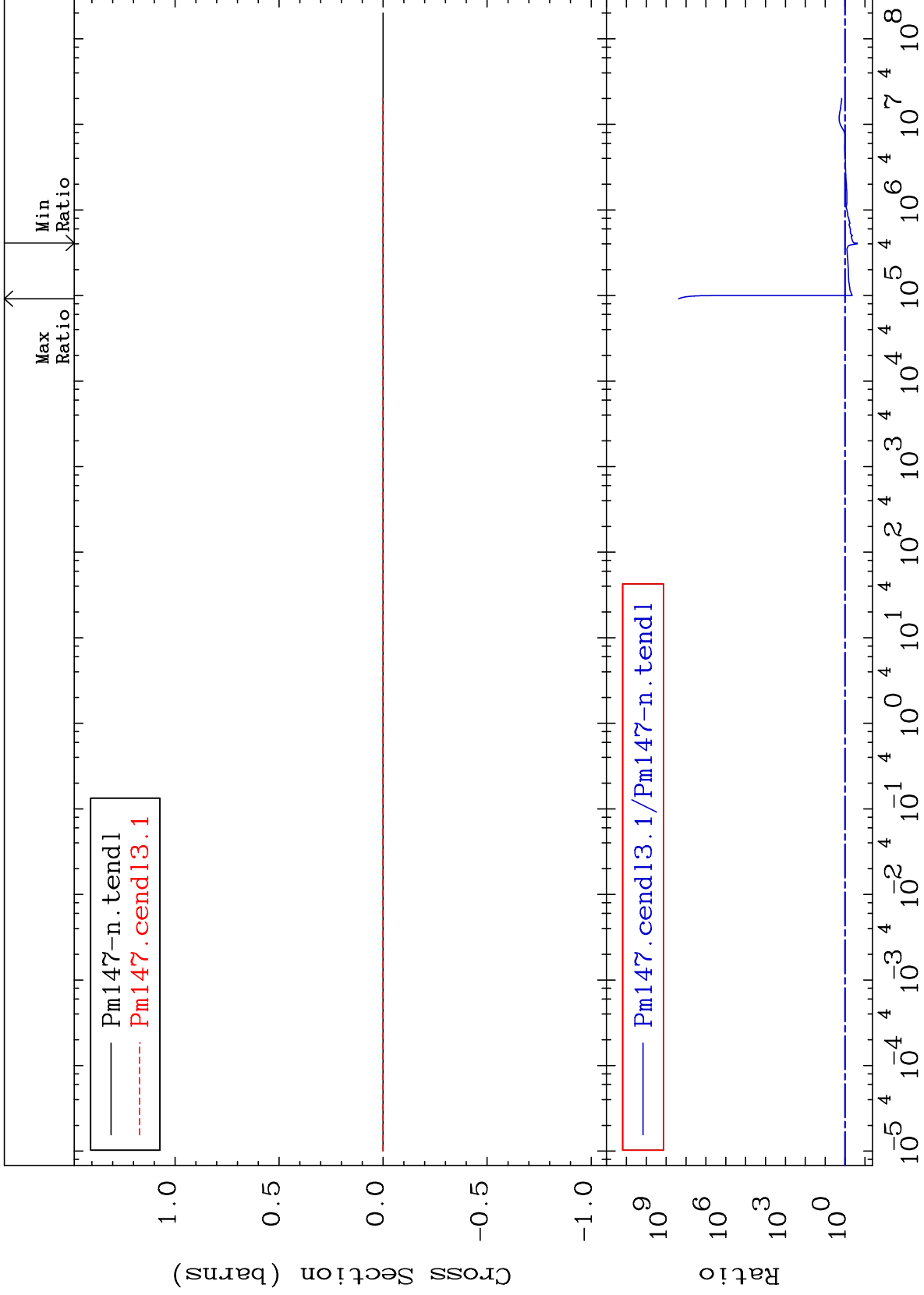
61-Pm-147  
-96.47 To 1044. %

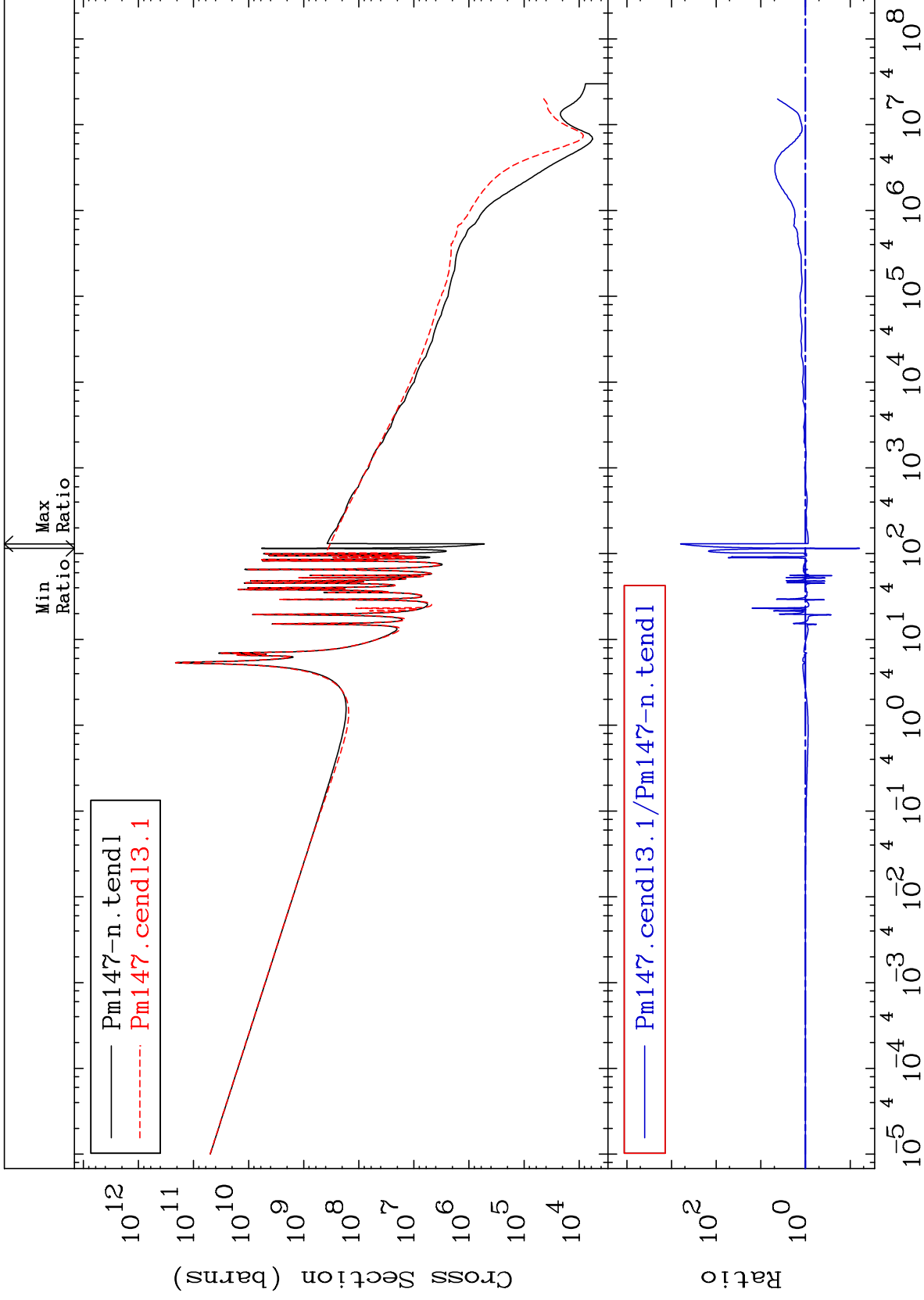


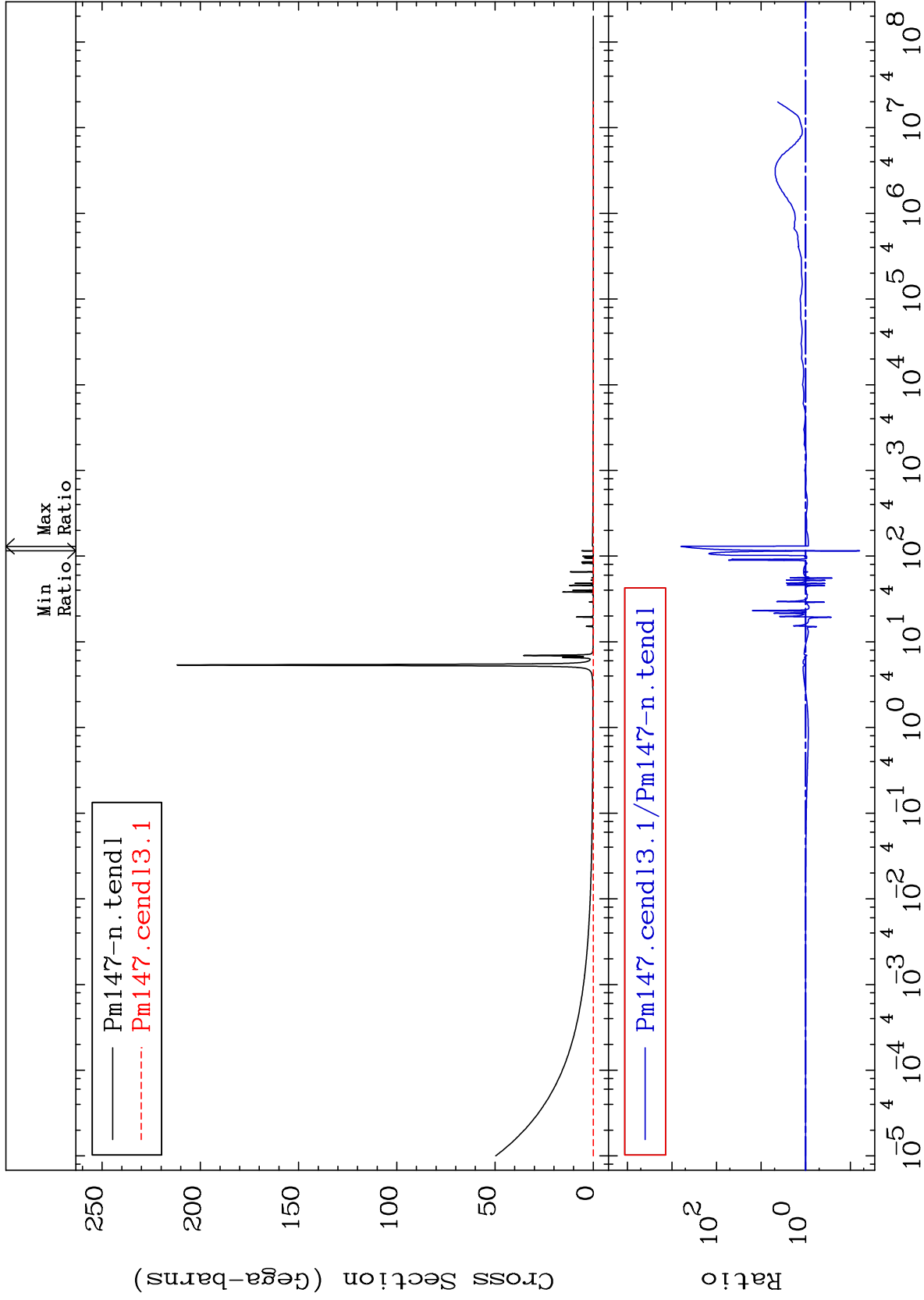


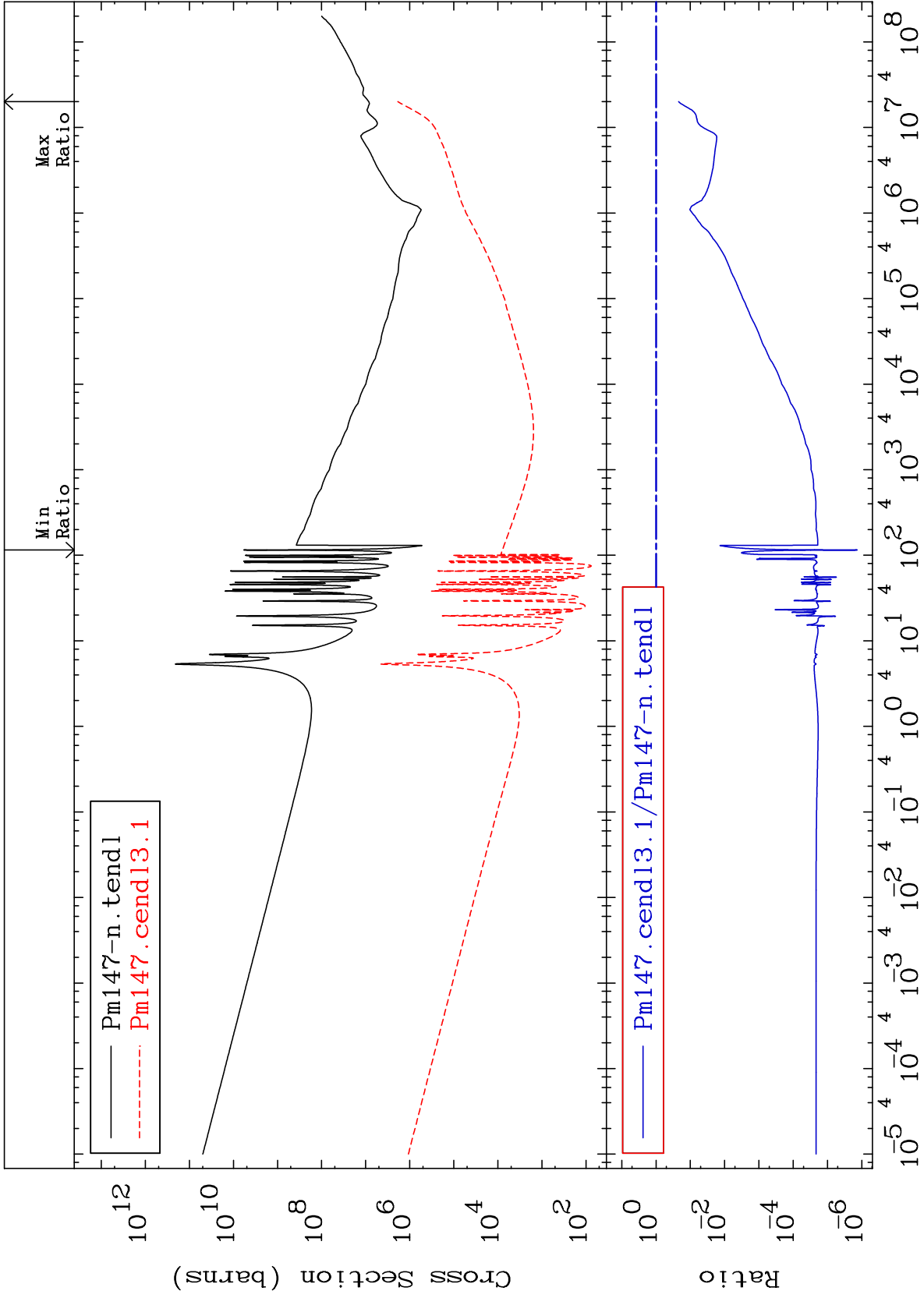


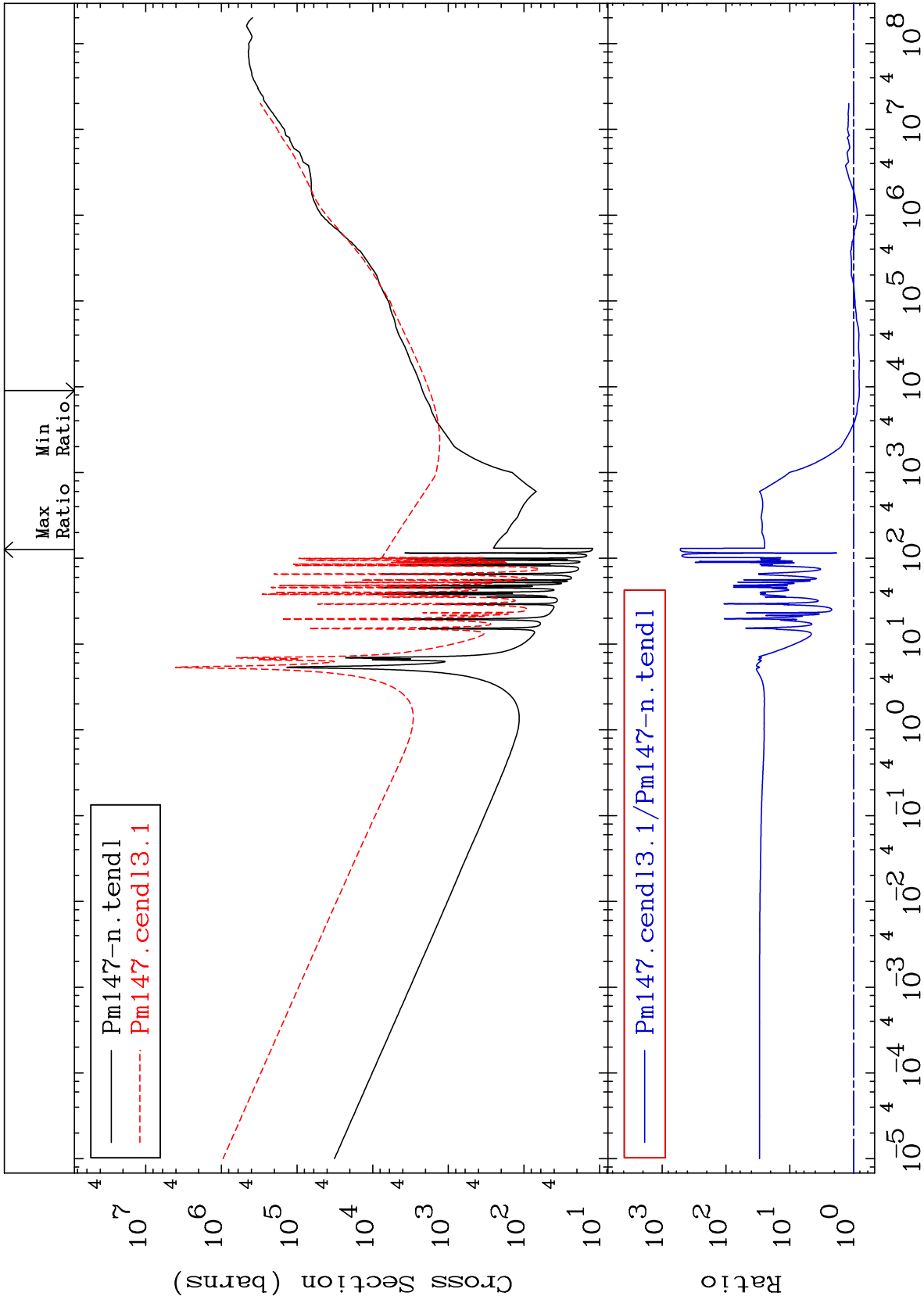








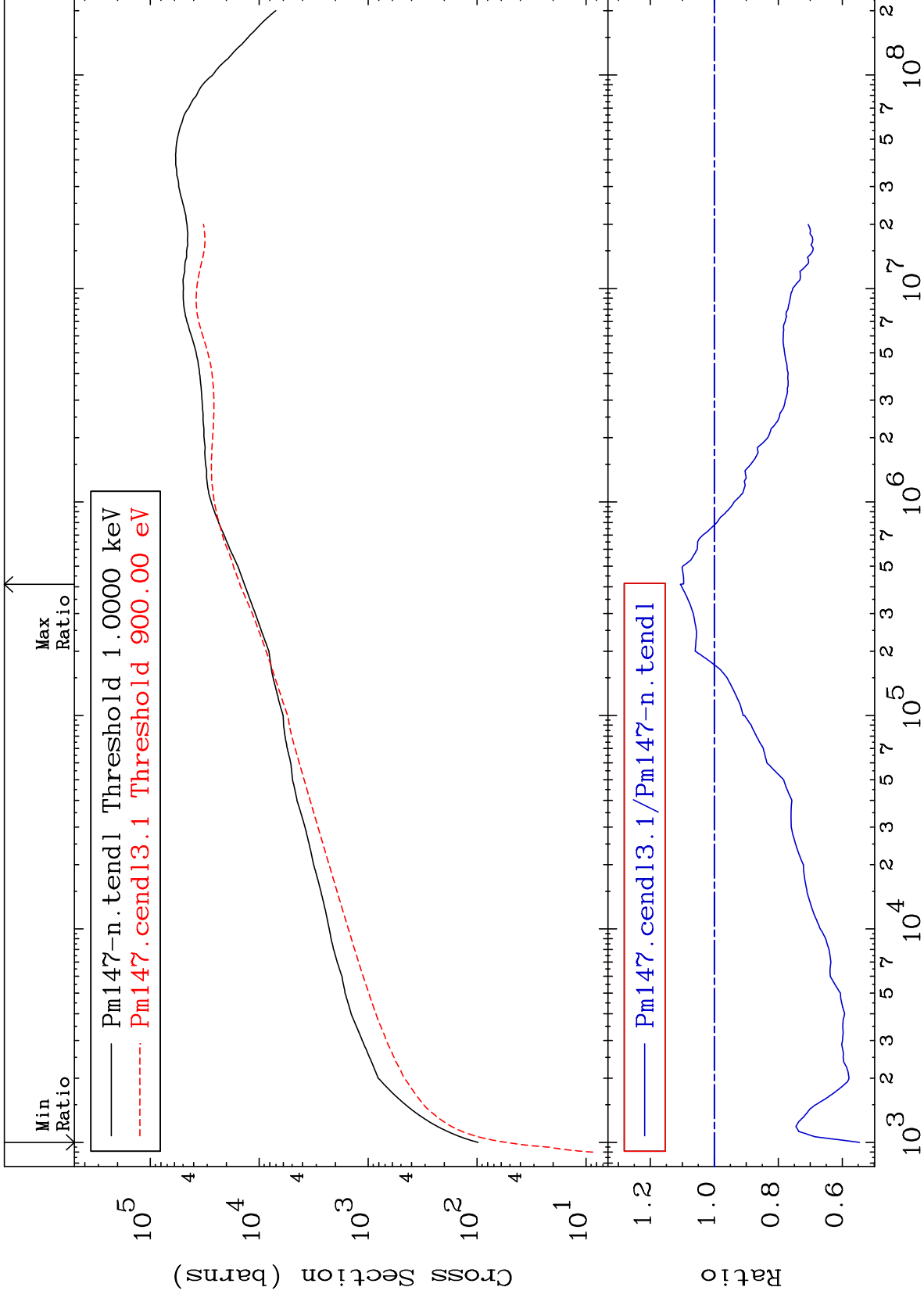




MAT 6149

Dpa elastic (mt2)  
Cross Section

61-Pm-147  
-45.36 To 10.61 %



38

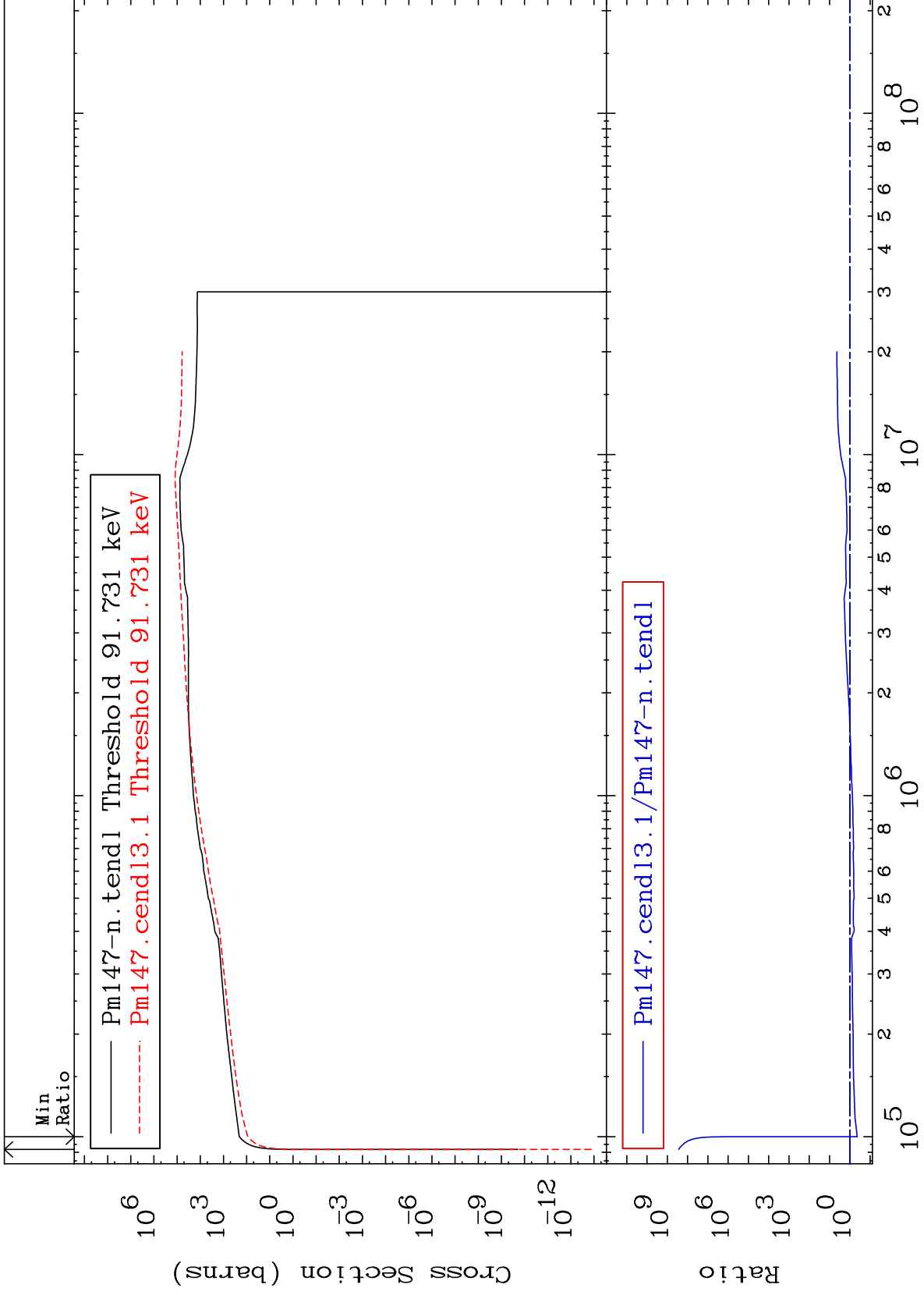
Incident Energy (eV)

61-Pm-147

MAT 6149

Dpa inelastic (mt51-91)  
Cross Section

61-Pm-147  
-57.10 To 9999. %



39

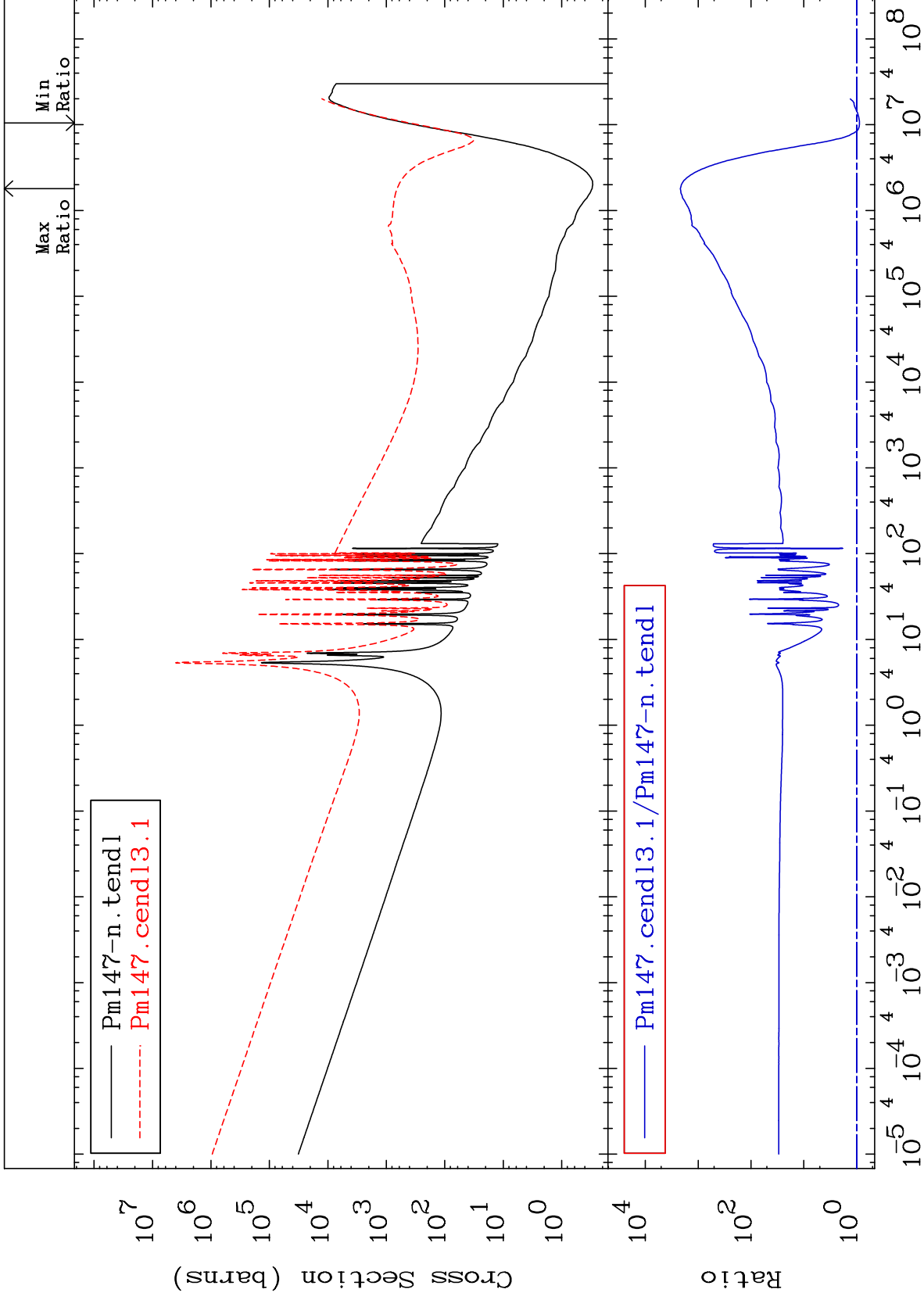
Incident Energy (eV)

61-Pm-147

MAT 6149

Dpa disappearance (mt102 -120)  
Cross Section

61-Pm-147  
-11.29 To 9999. %



Incident Energy (eV)

61-Pm-147

40