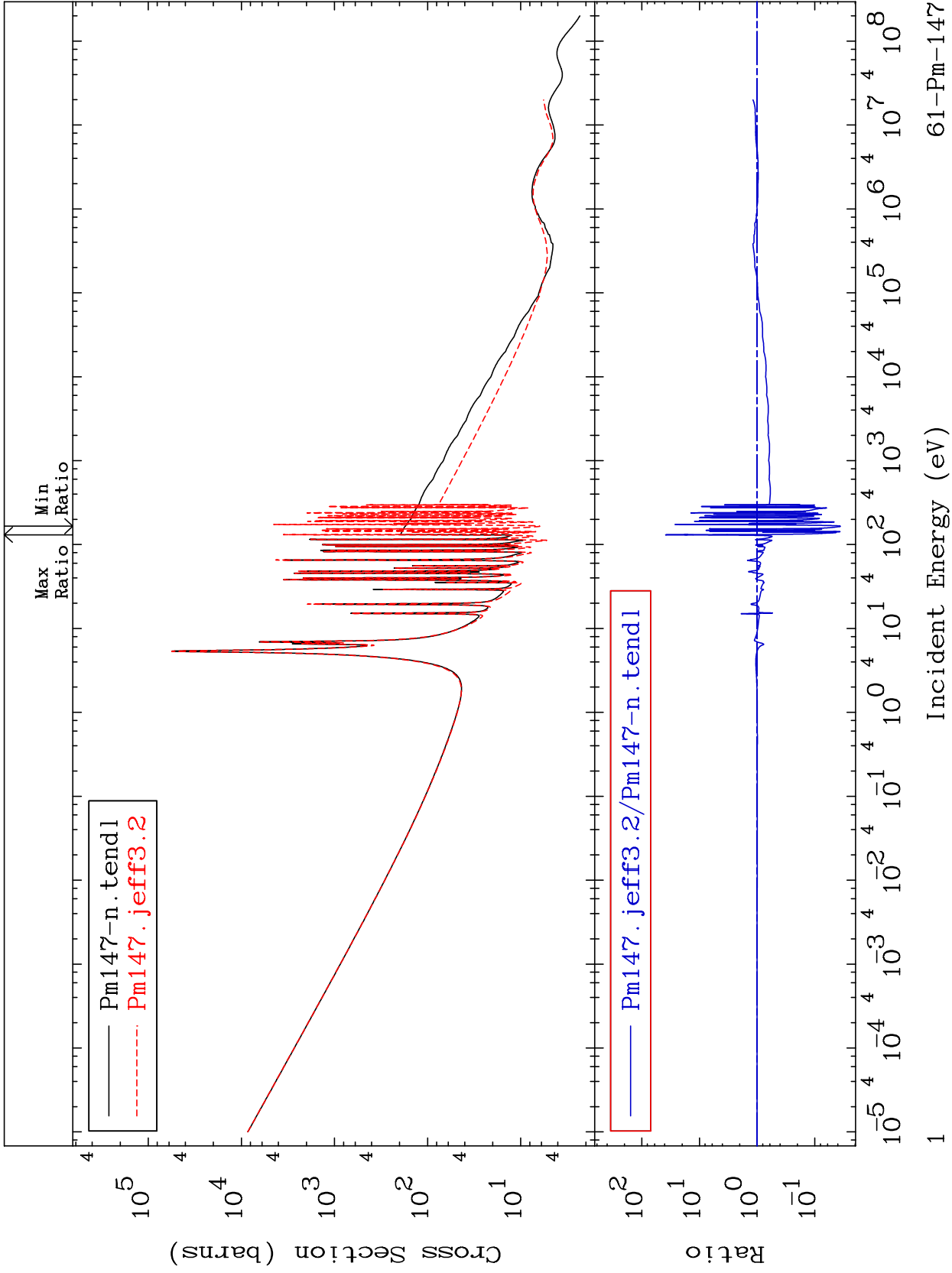


MAT 6149

Total Cross Section  
61-Pm-147  
-96.44 To 3778. %



61-Pm-147

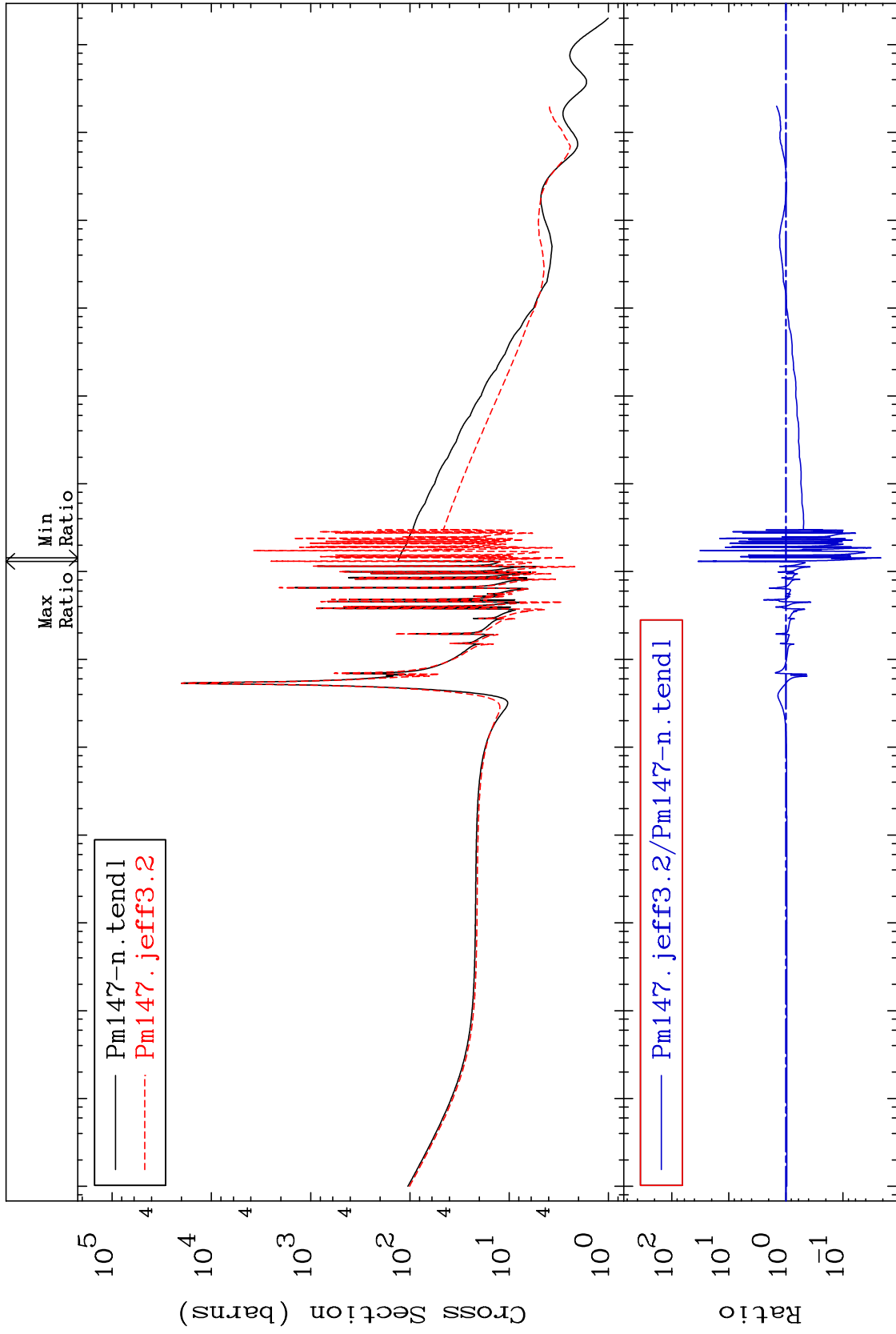
MAT 6149

Elastic

61-Pm-147

Cross Section

-97.86 To 3379. %



Incident Energy (eV)

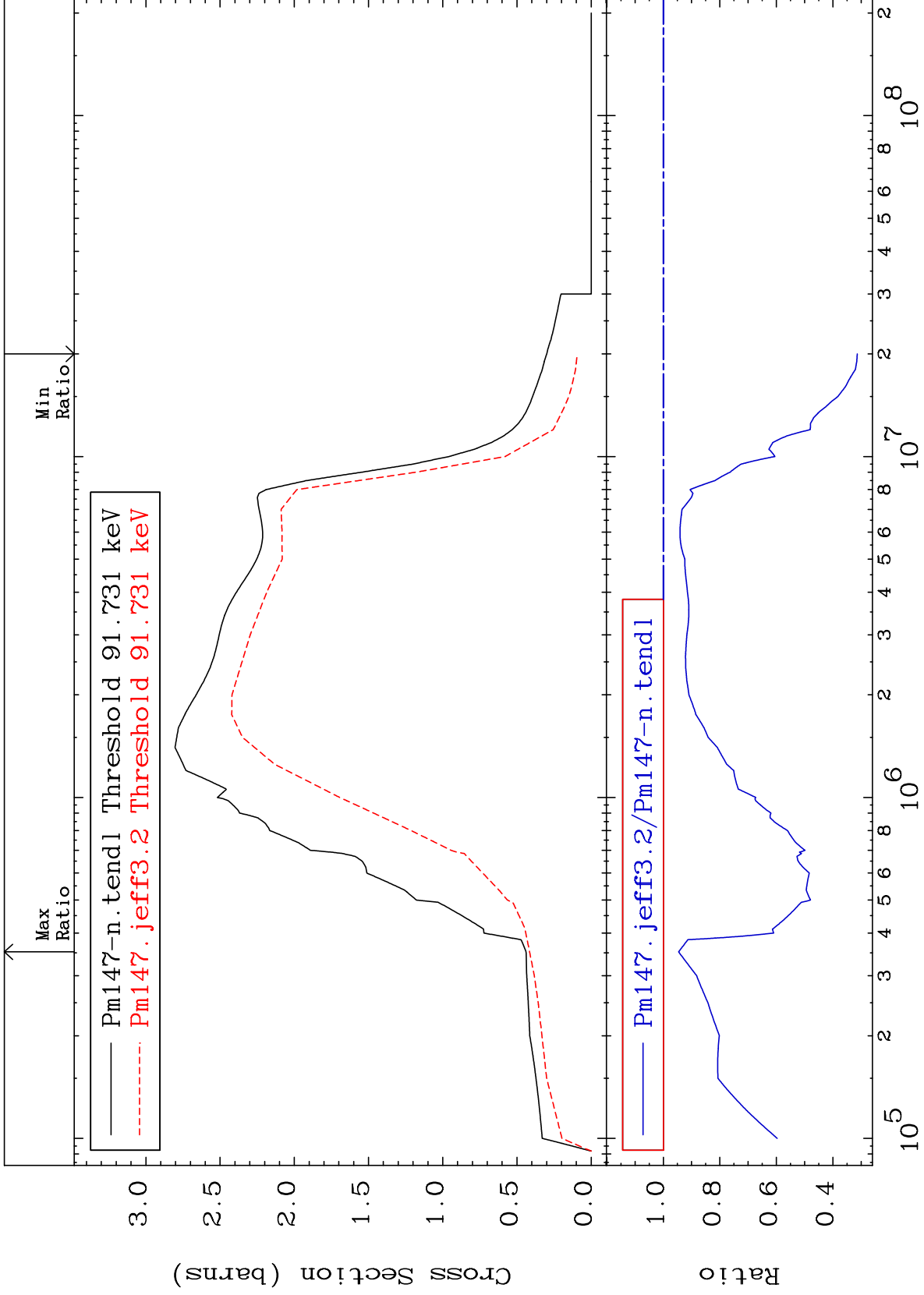
61-Pm-147

2

MAT 6149

Inelastic  
Cross Section

61-Pm-147  
-68.64 To -5.422%



3

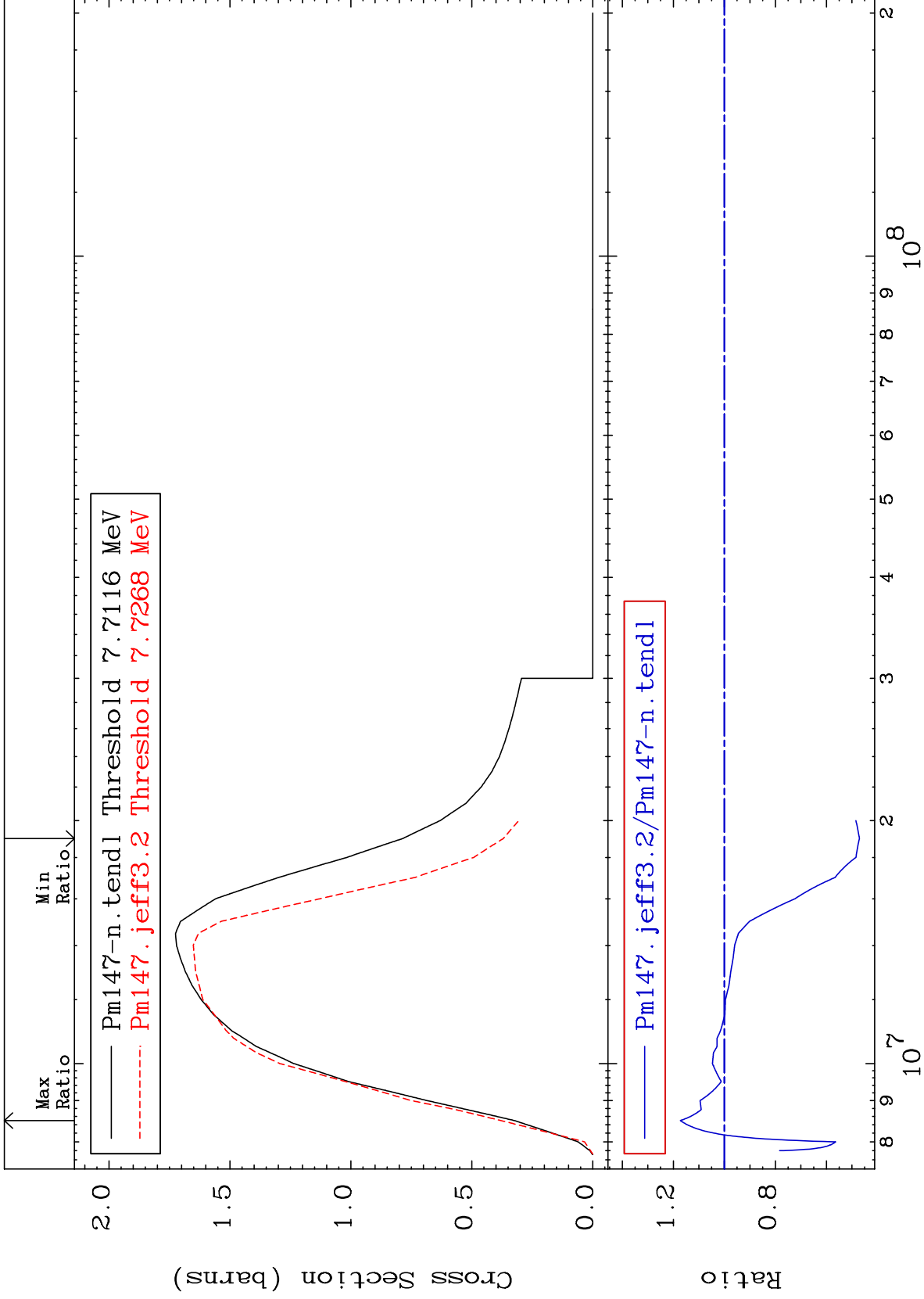
Incident Energy (eV)

61-Pm-147

MAT 6149

(n,2n)  
Cross Section

61-Pm-147  
-52.94 To 17.25 %



4

Incident Energy (eV)

61-Pm-147

MAT 6149

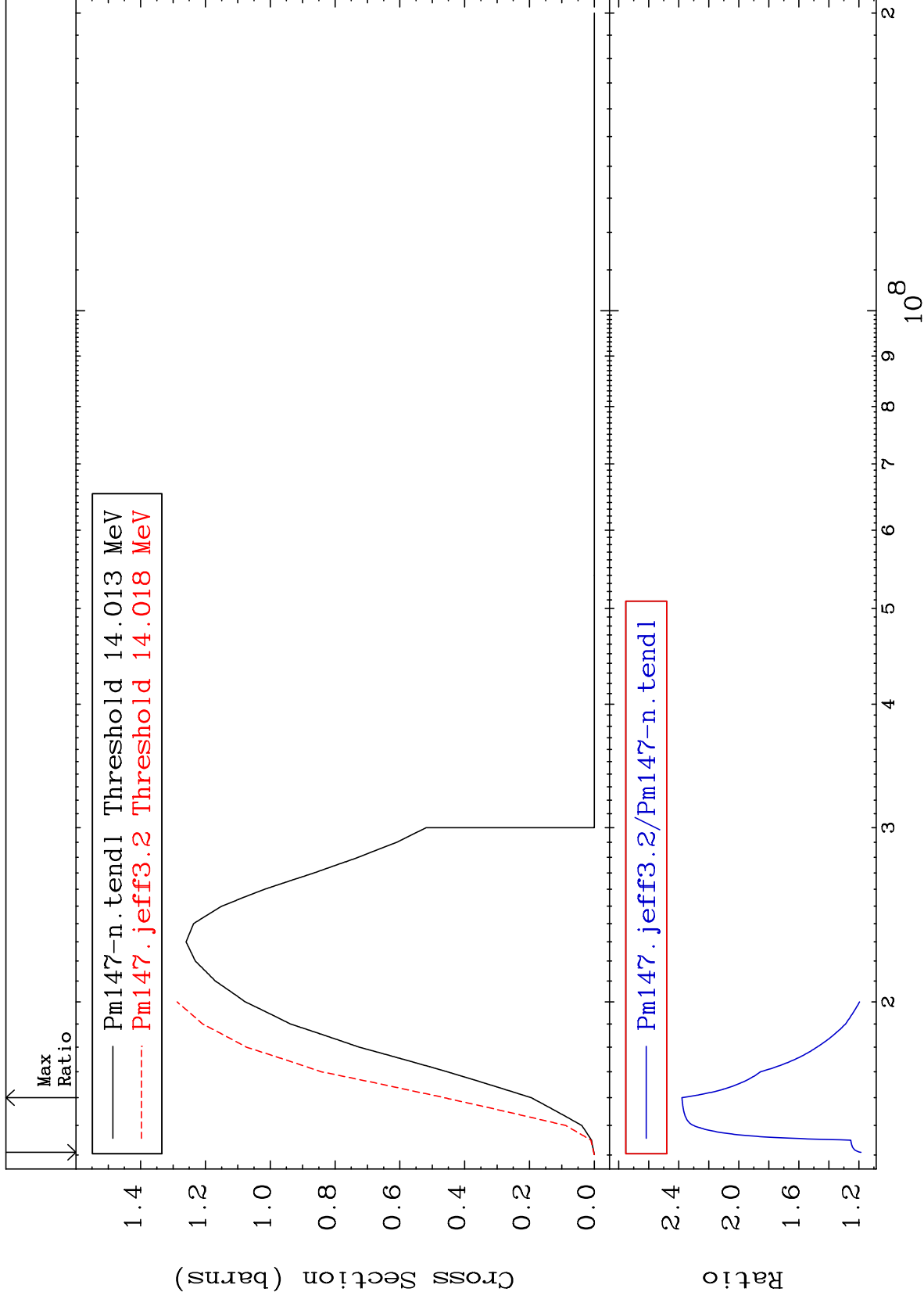
(n,3n)

61-Pm-147

Cross Section

18.61

To 137.8 %



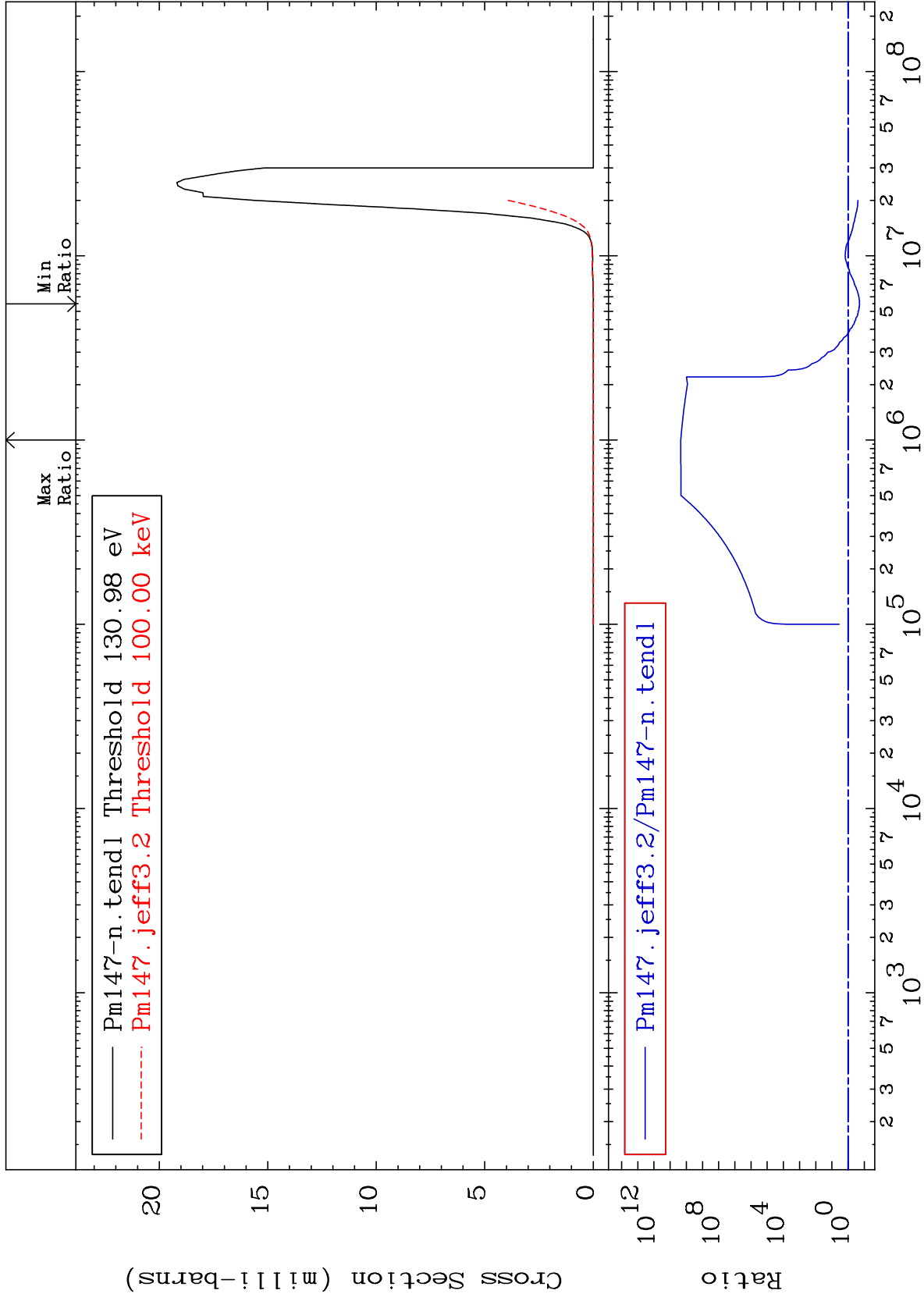
MAT 6149

(n, n')  $\alpha$

61-Pm-147

Cross Section

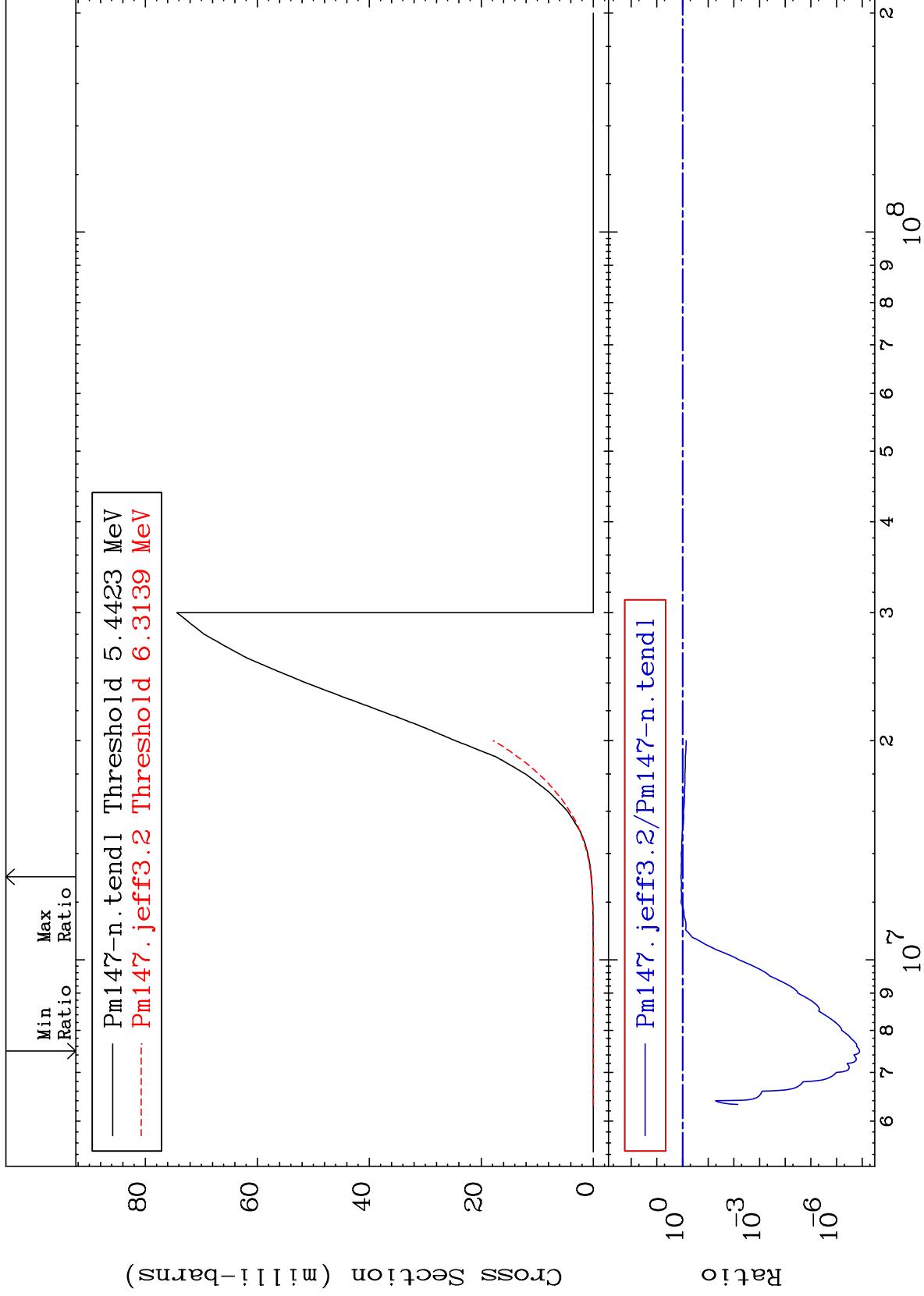
-80.42 To 9999. %

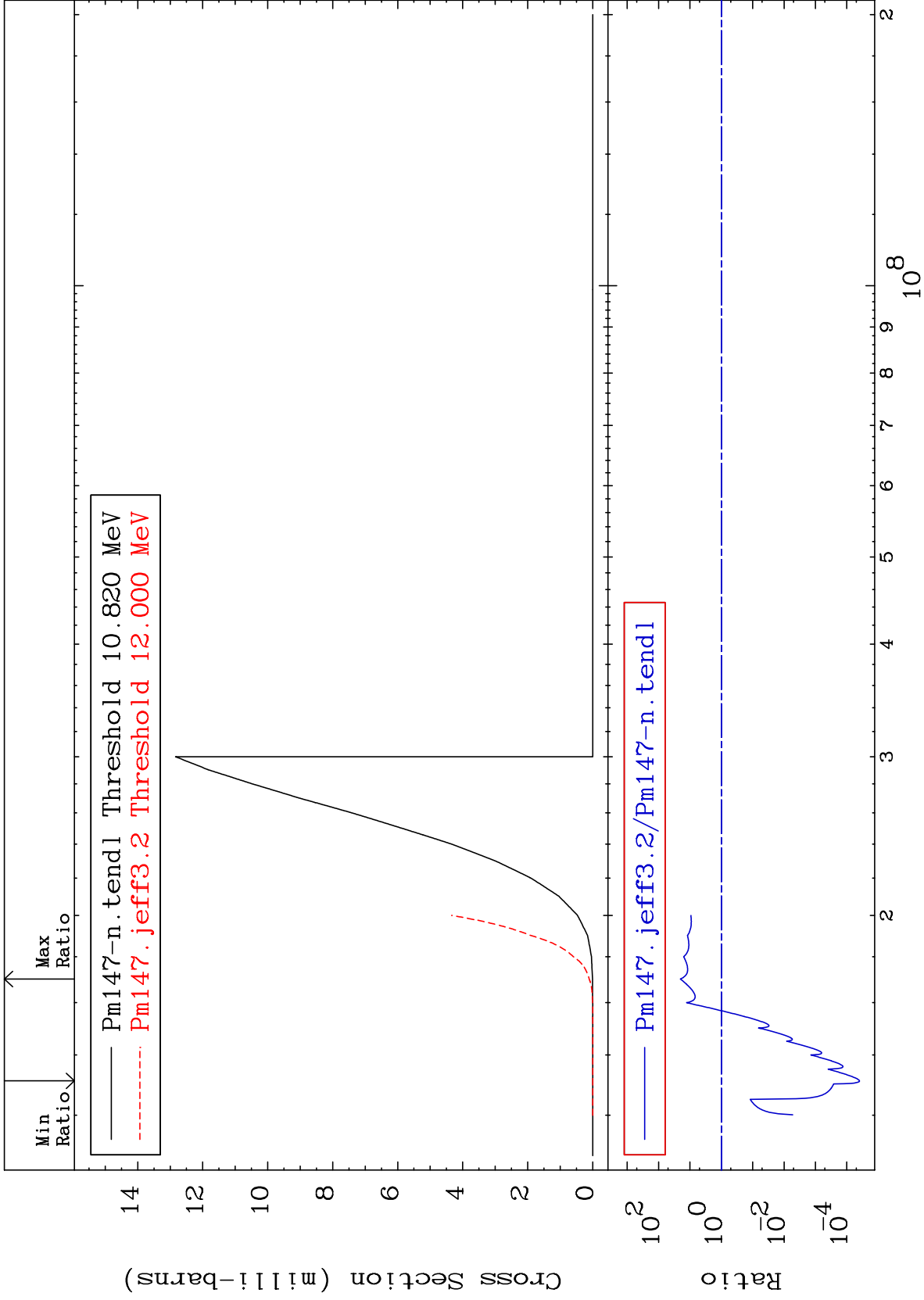


MAT 6149

(n, n') p  
Cross Section

61-Pm-147  
-100.0 To 16.98 %



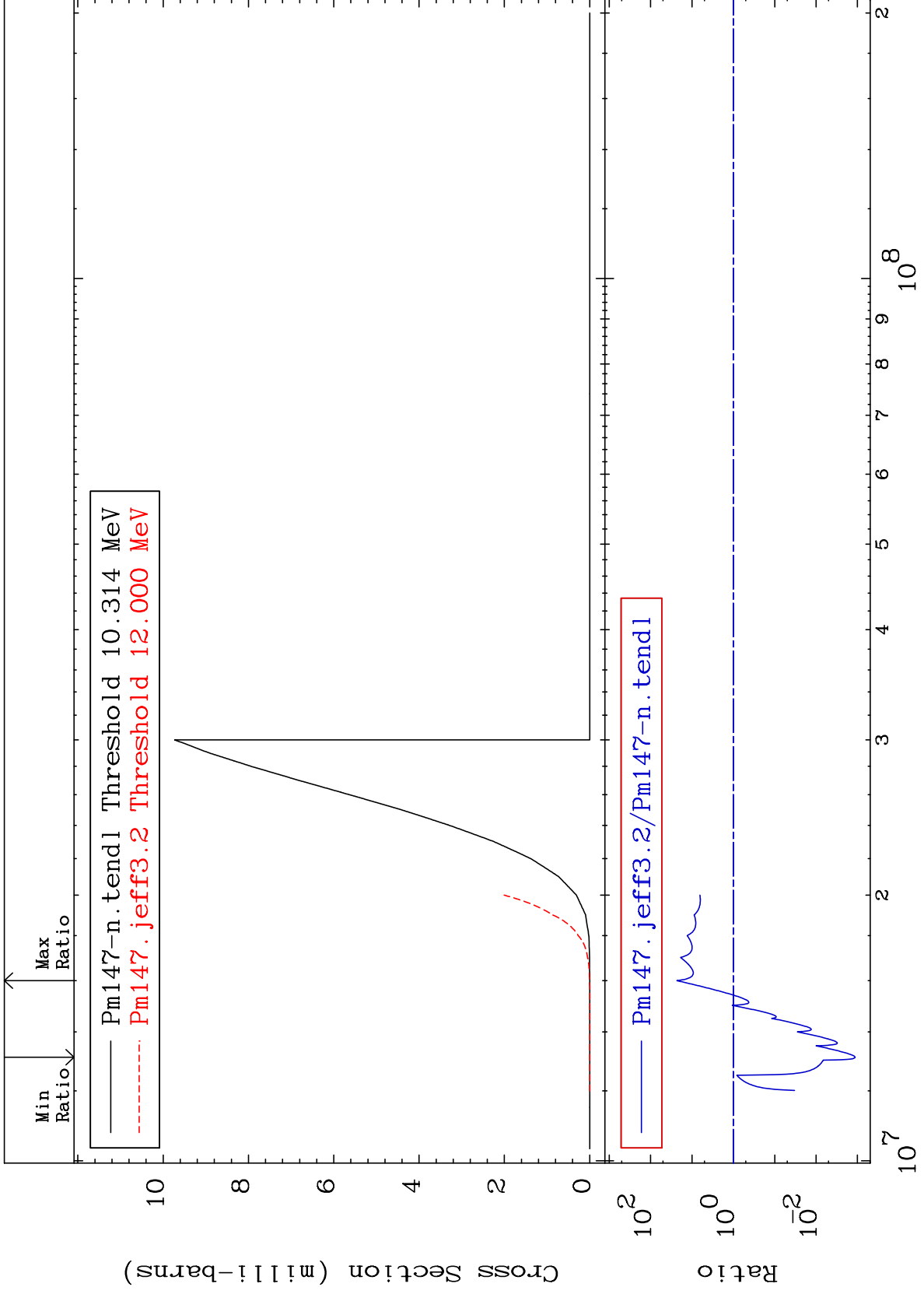




MAT 6149

(n,n') t  
Cross Section

61-Pm-147  
-99.89 To 2205. %



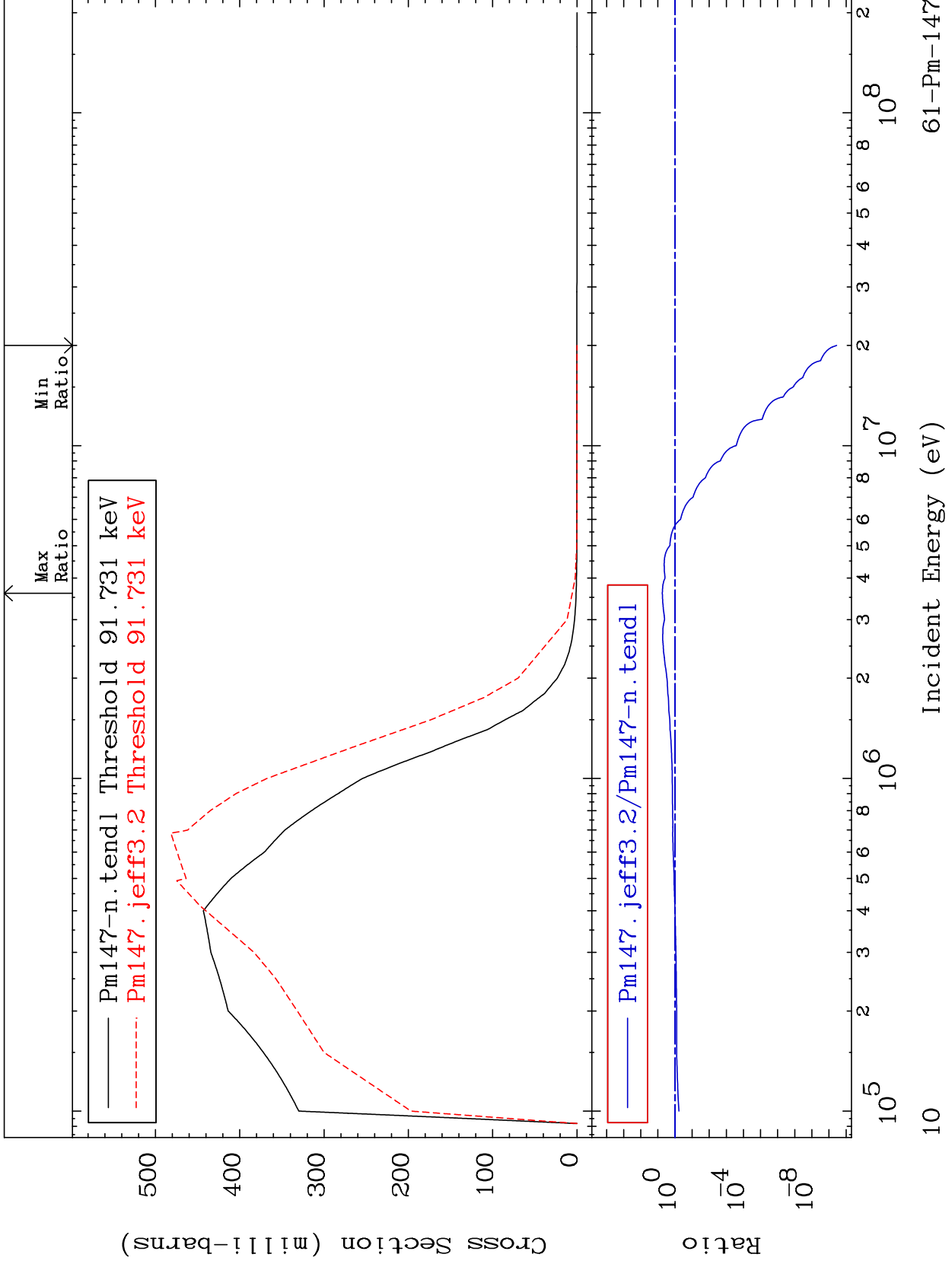
61-Pm-147

9

MAT 6149

91.10 keV (n,n') Level  
Cross Section

61-Pm-147  
-100.0 To 452.0 %



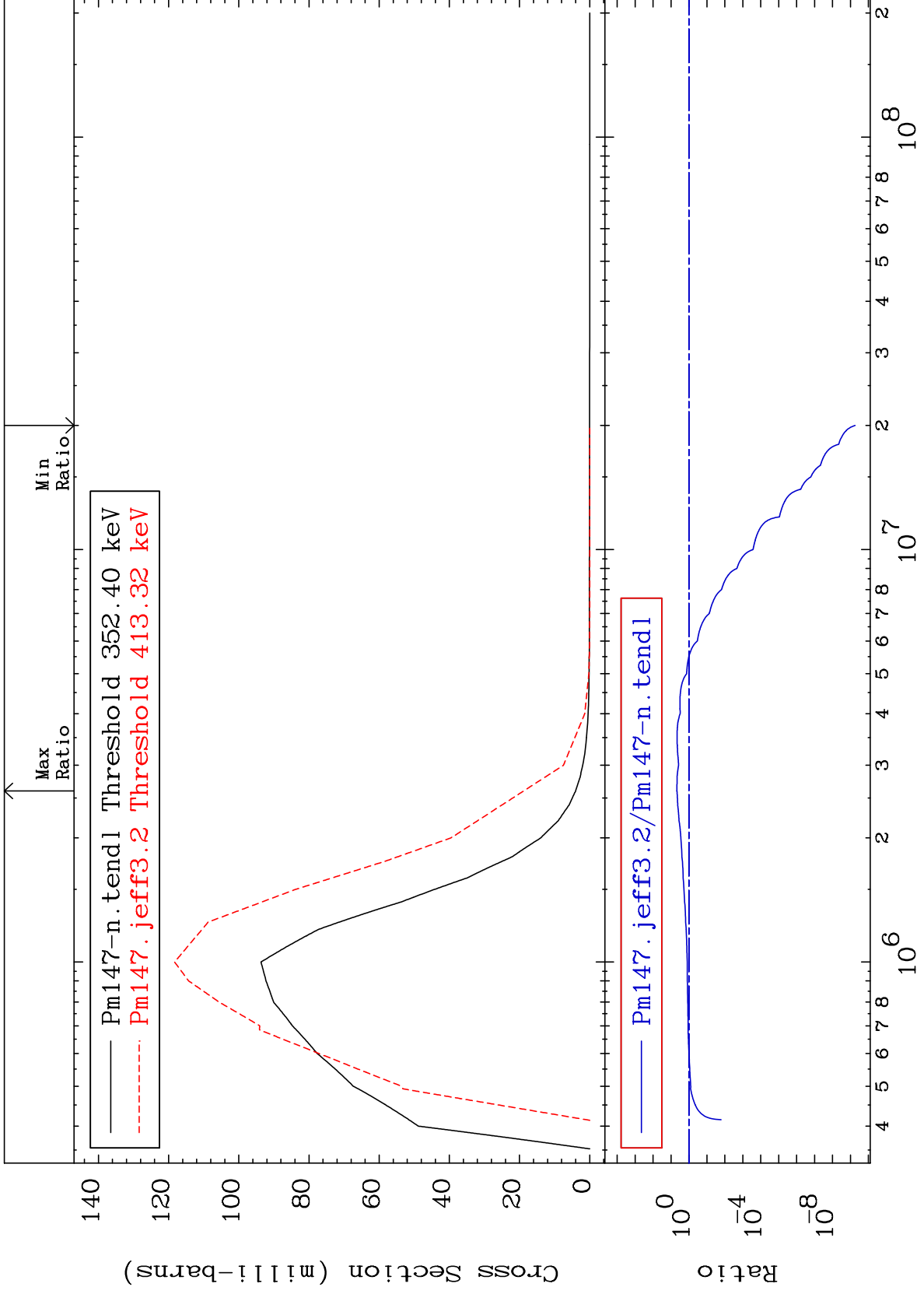
61-Pm-147

Incident Energy (eV)

MAT 6149

350.0 keV (n,n') Level  
Cross Section

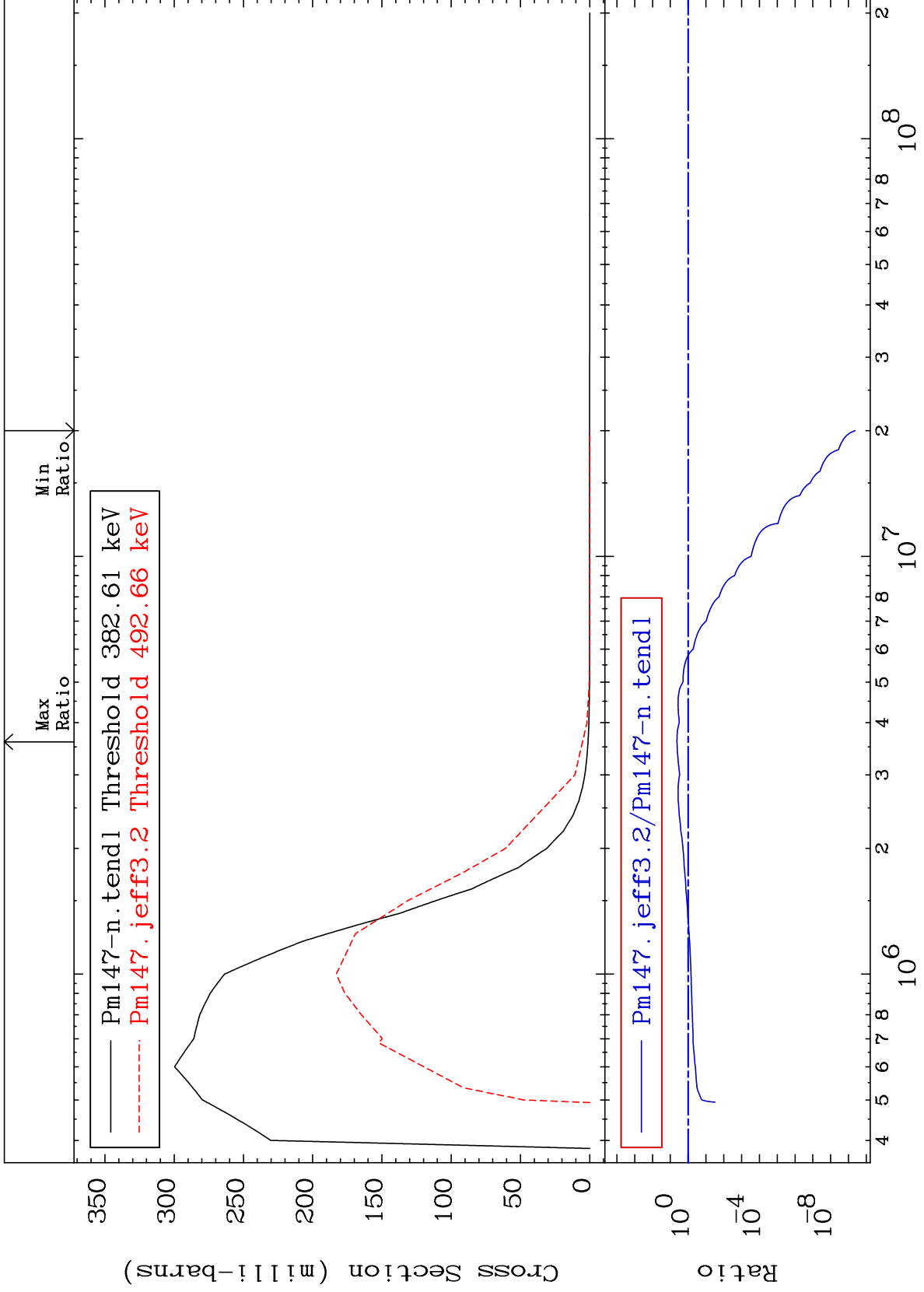
61-Pm-147  
-100.0 To 369.2 %



MAT 6149

380.0 keV (n,n') Level  
Cross Section

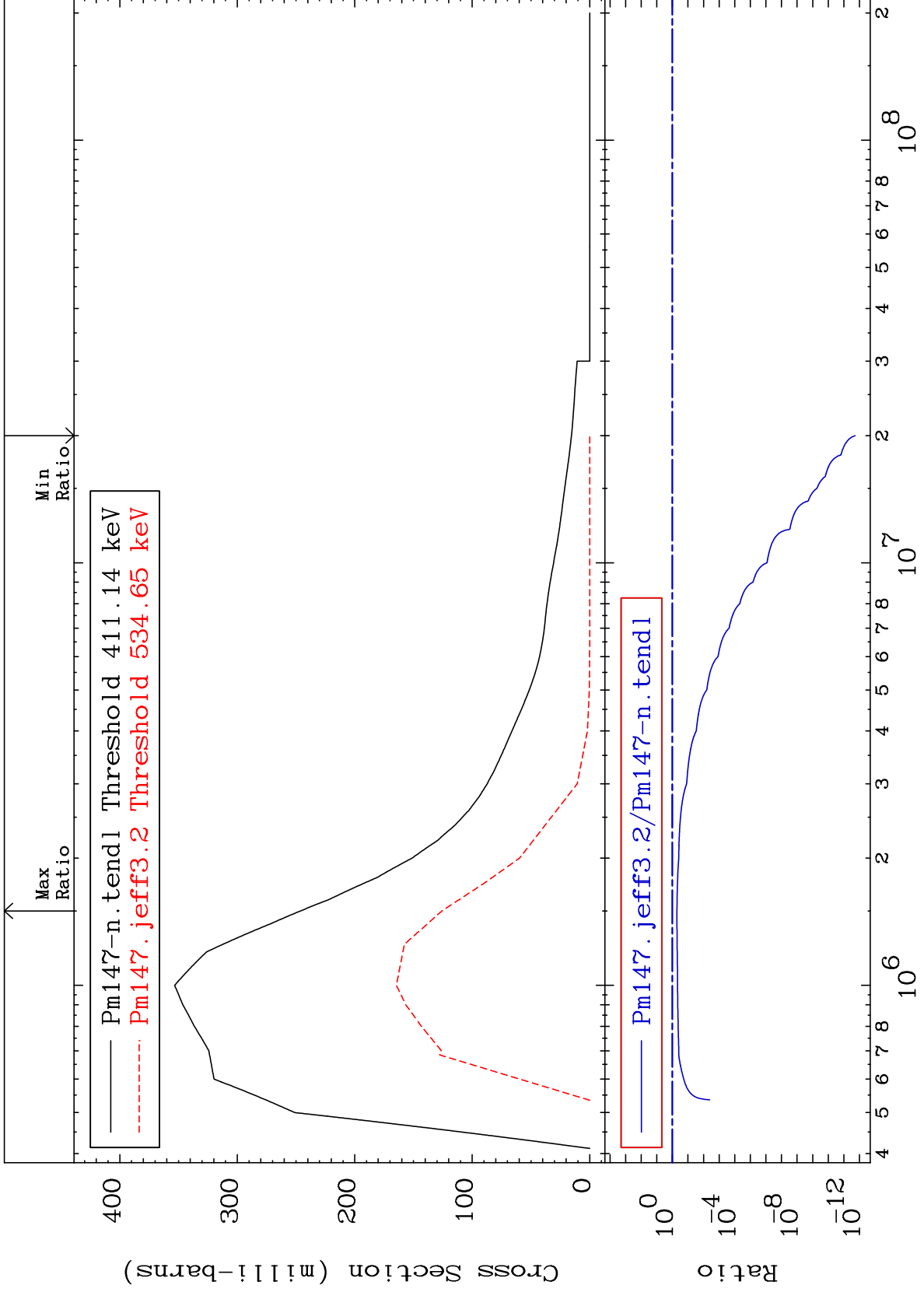
61-Pm-147  
-100.0 To 326.9 %



MAT 6149

408.3 keV (n,n') Level  
Cross Section

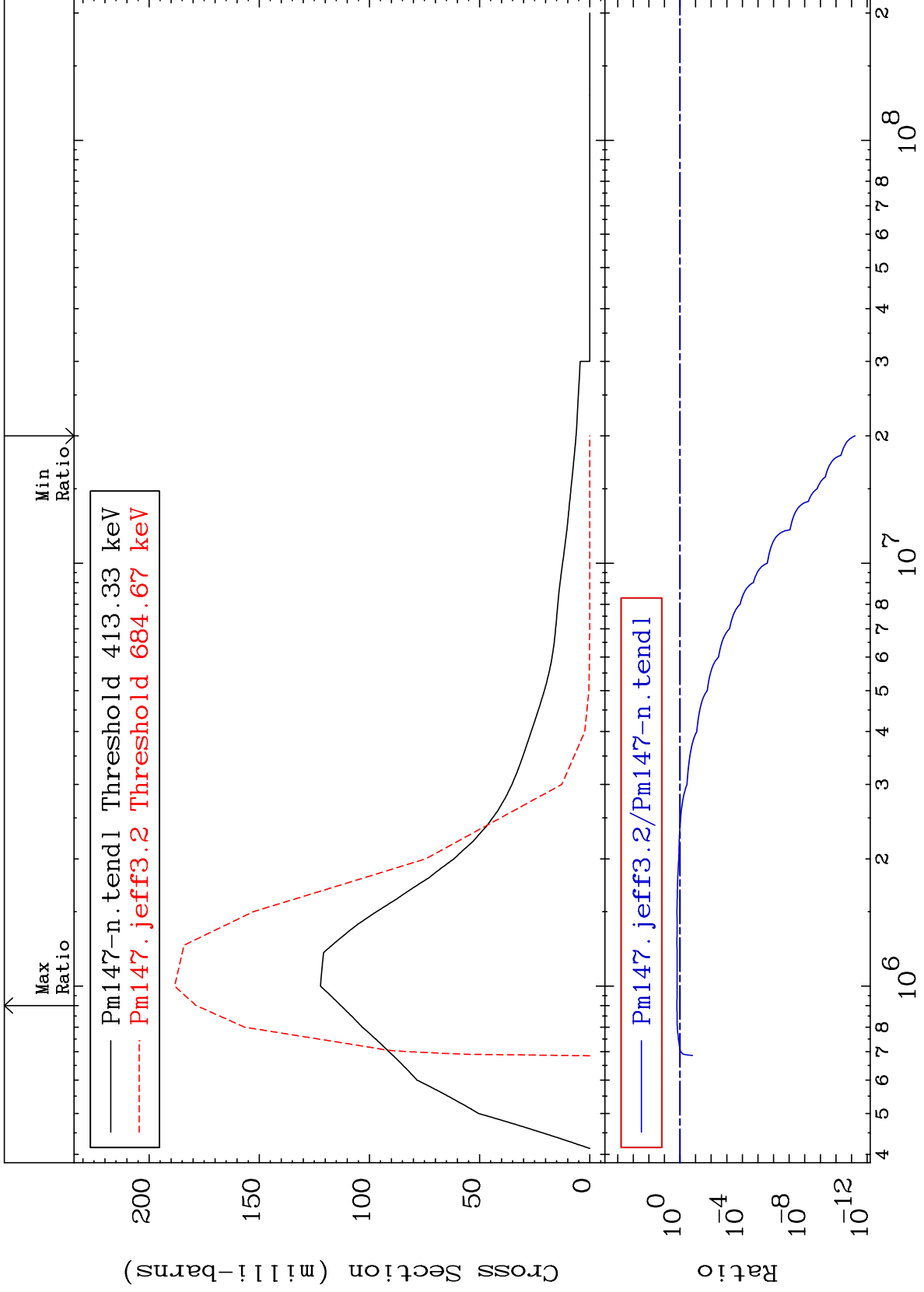
61-Pm-147  
-100.0 To -48.91%



MAT 6149

410.5 keV (n,n') Level  
Cross Section

61-Pm-147  
-100.0 To 58.09 %



14

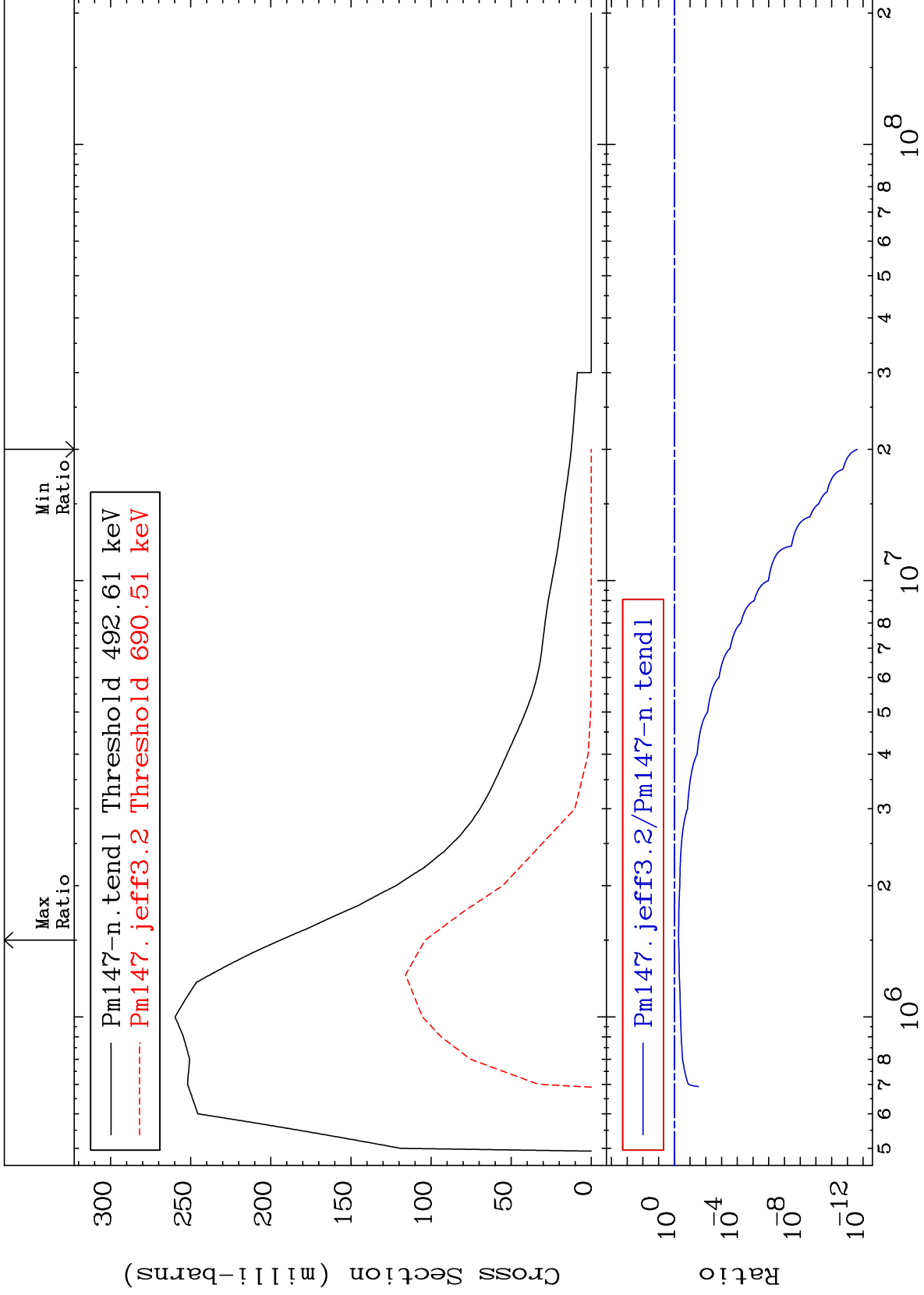
Incident Energy (eV)

61-Pm-147

MAT 6149

489.3 keV (n,n') Level  
Cross Section

61-Pm-147  
-100.0 To -46.58%



15

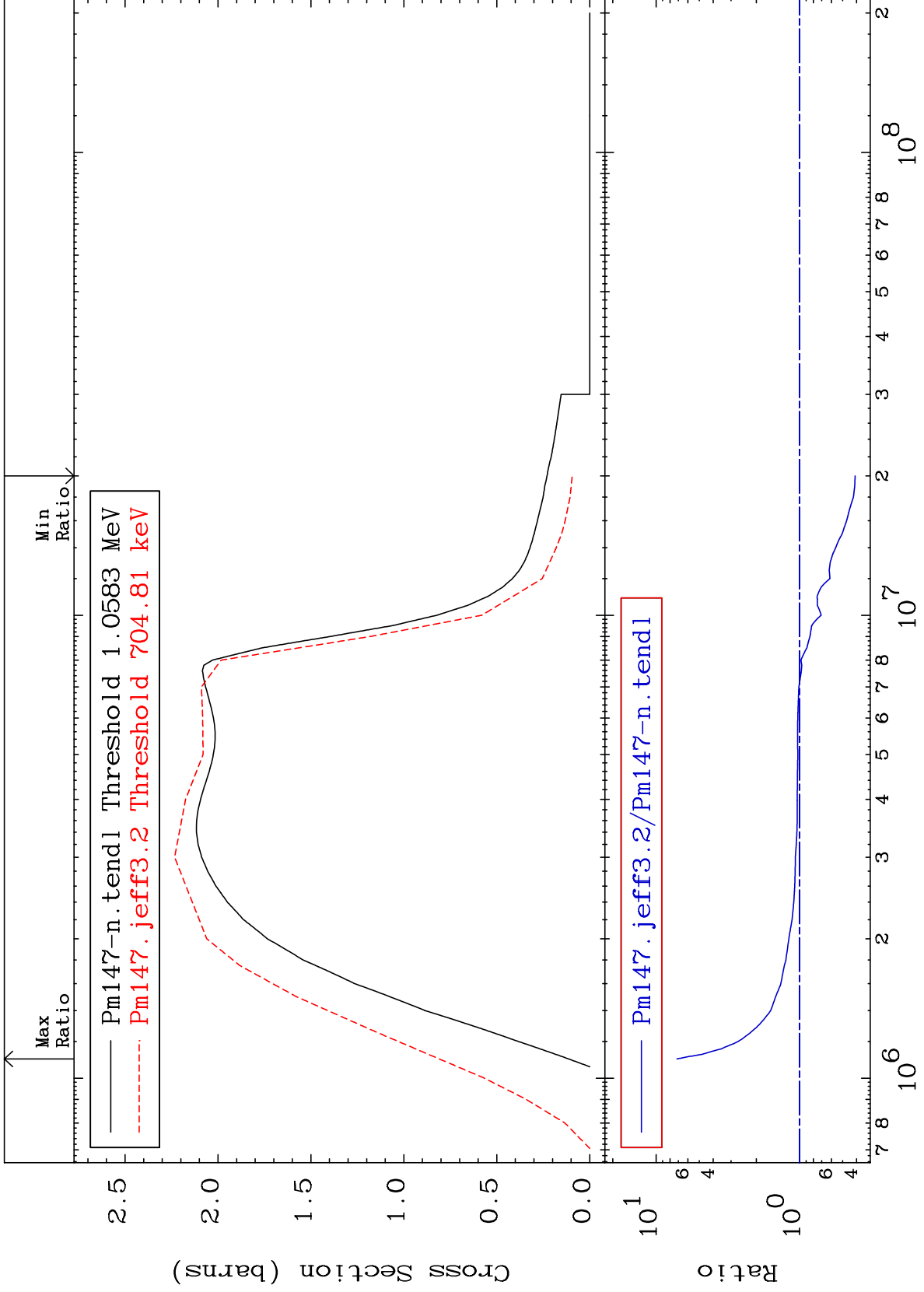
Incident Energy (eV)

61-Pm-147

MAT 6149

(n, n') Continuum  
Cross Section

61-Pm-147  
-59.00 To 615.3 %

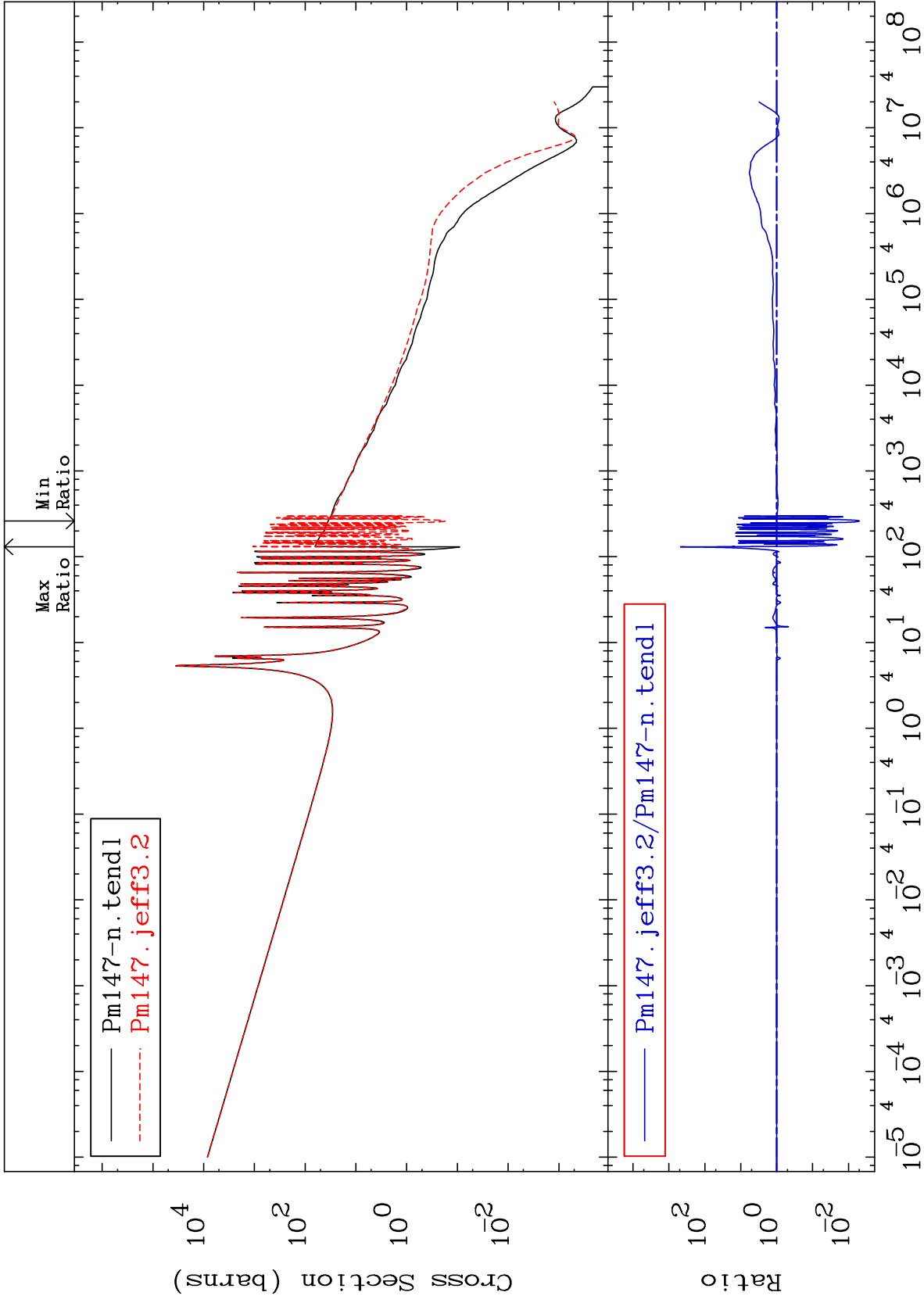




MAT 6149

(n,  $\gamma$ )  
Cross Section

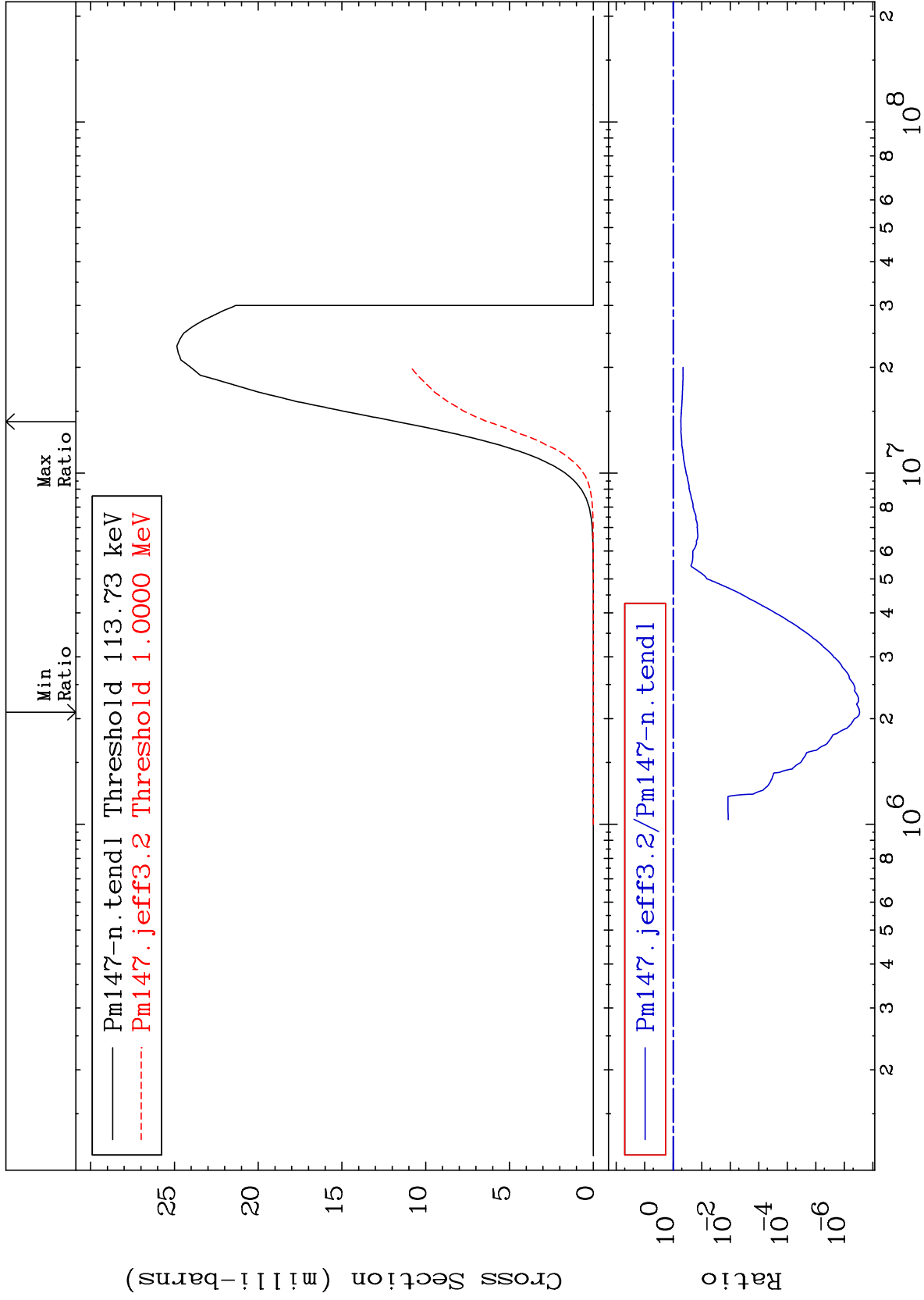
61-Pm-147  
-99.50 To 9999. %



MAT 6149

61-Pm-147

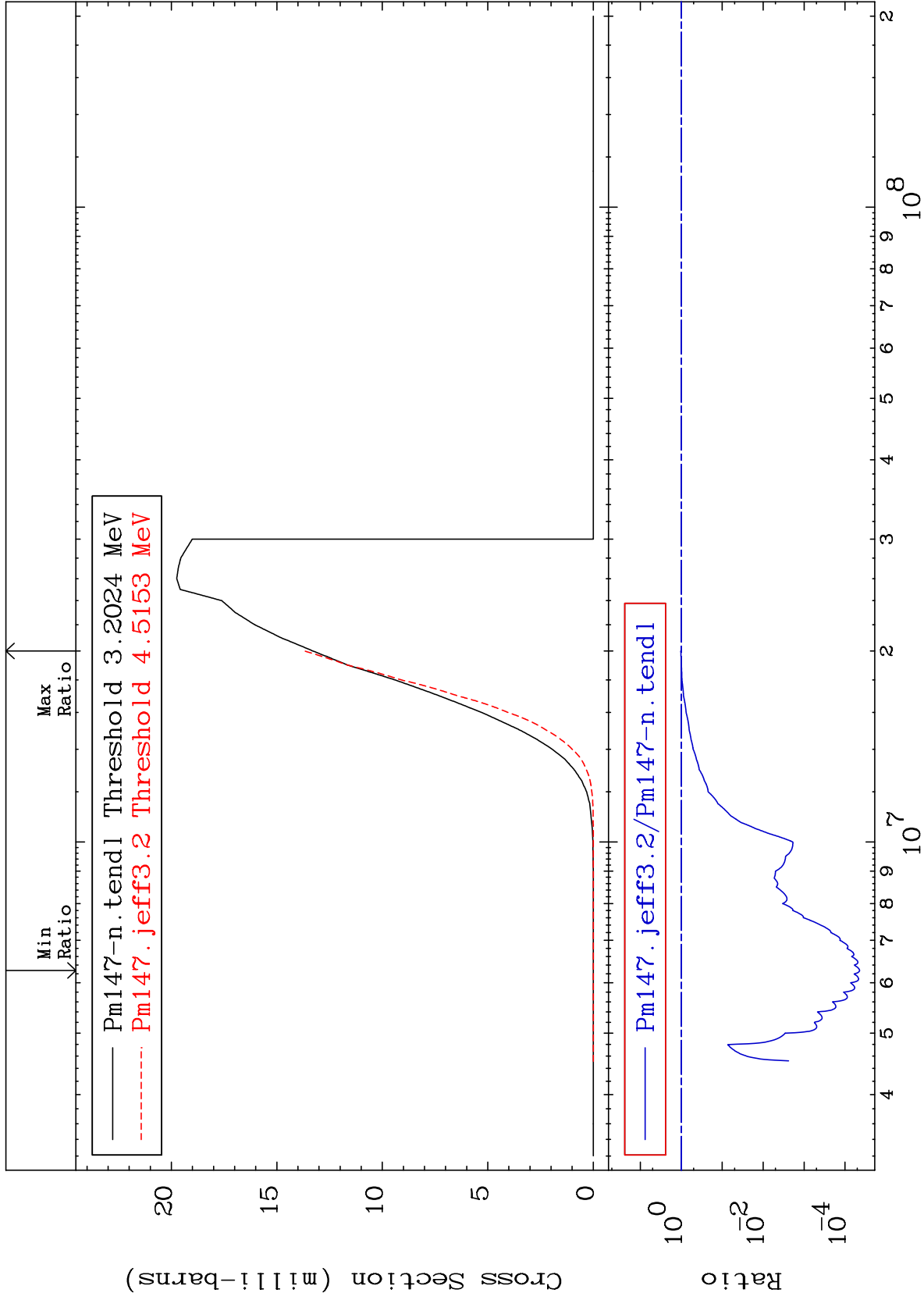
(n,p)  
Cross Section  
-100.0 To -45.83%



MAT 6149

61-Pm-147

(n, d)  
Cross Section  
-100.0 To 3.067 %



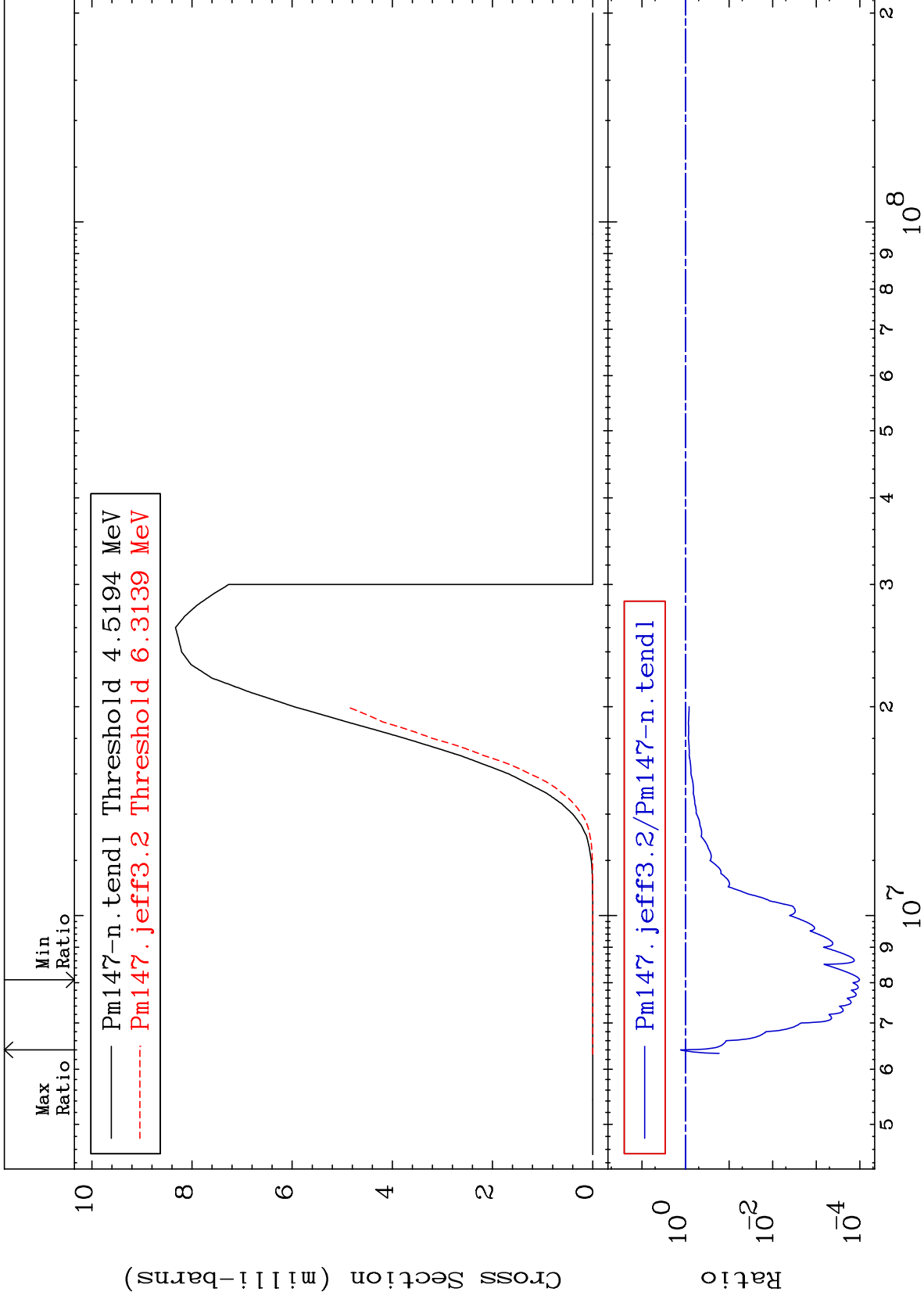
19

61-Pm-147

MAT 6149

(n, t)  
Cross Section

61-Pm-147  
-99.99 To 30.90 %



20

61-Pm-147

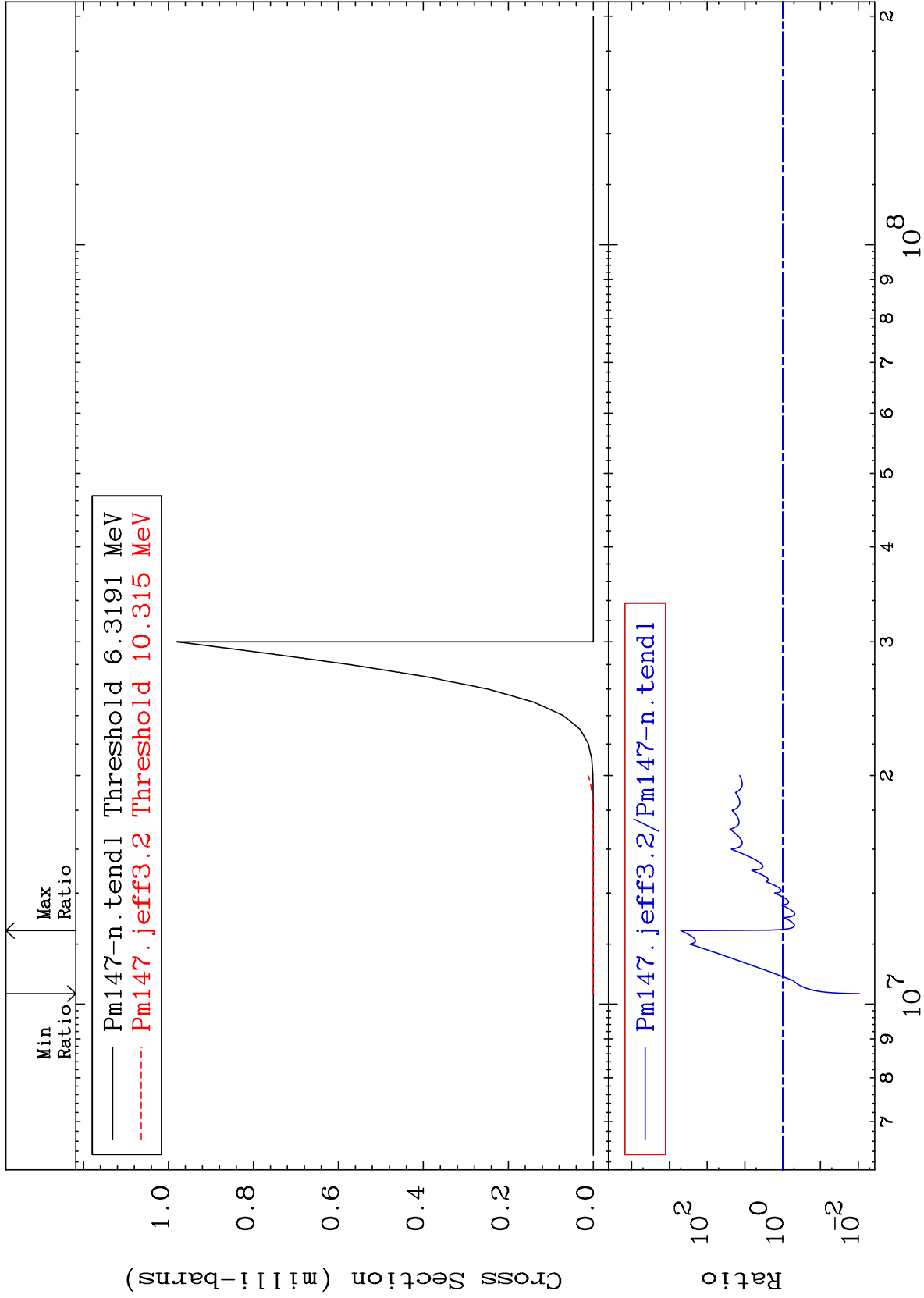
MAT 6149

(n, He-3)

61-Pm-147

Cross Section

-99.08 To 9999. %



21

61-Pm-147

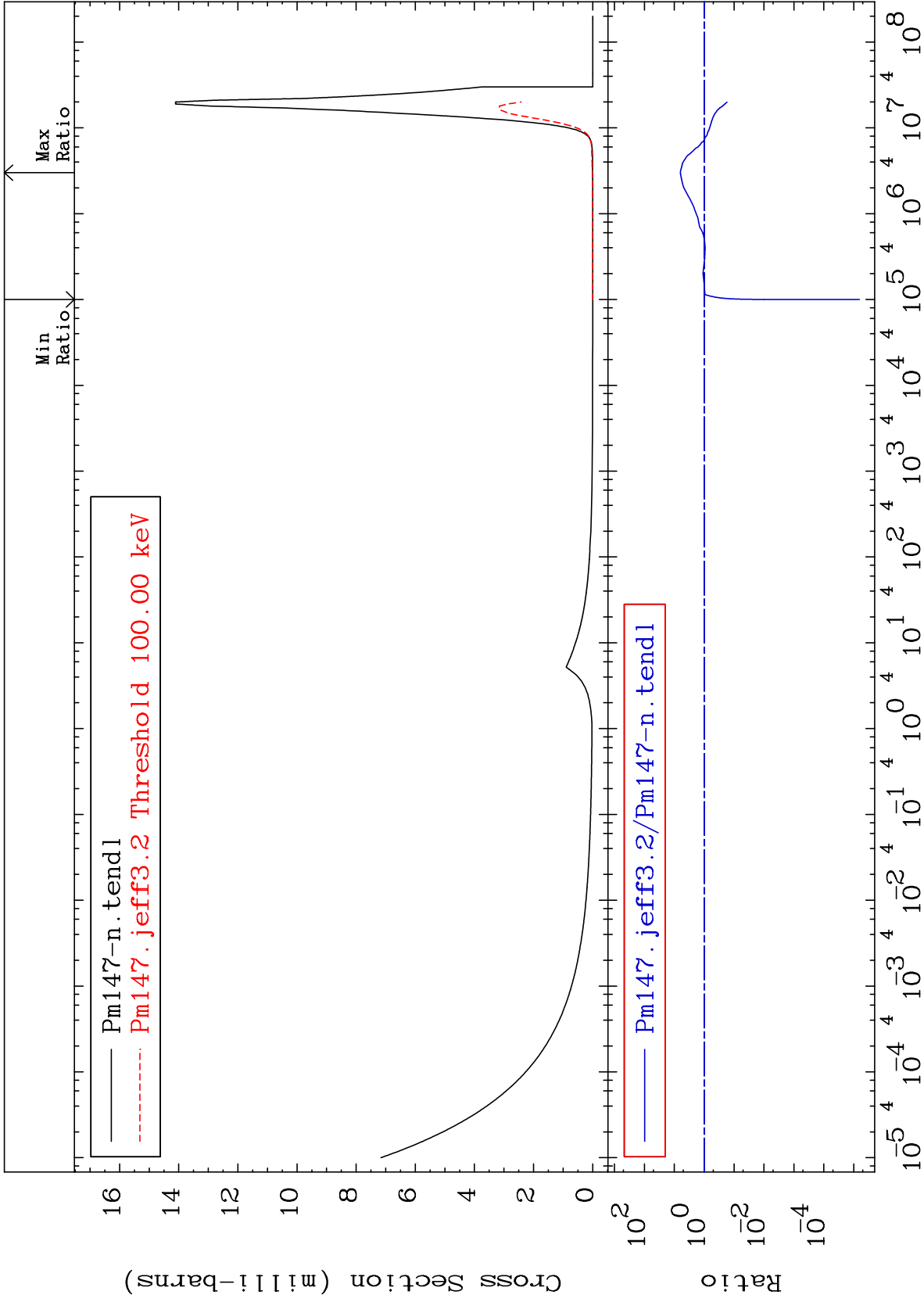
MAT 6149

(n,  $\alpha$ )

61-Pm-147

Cross Section

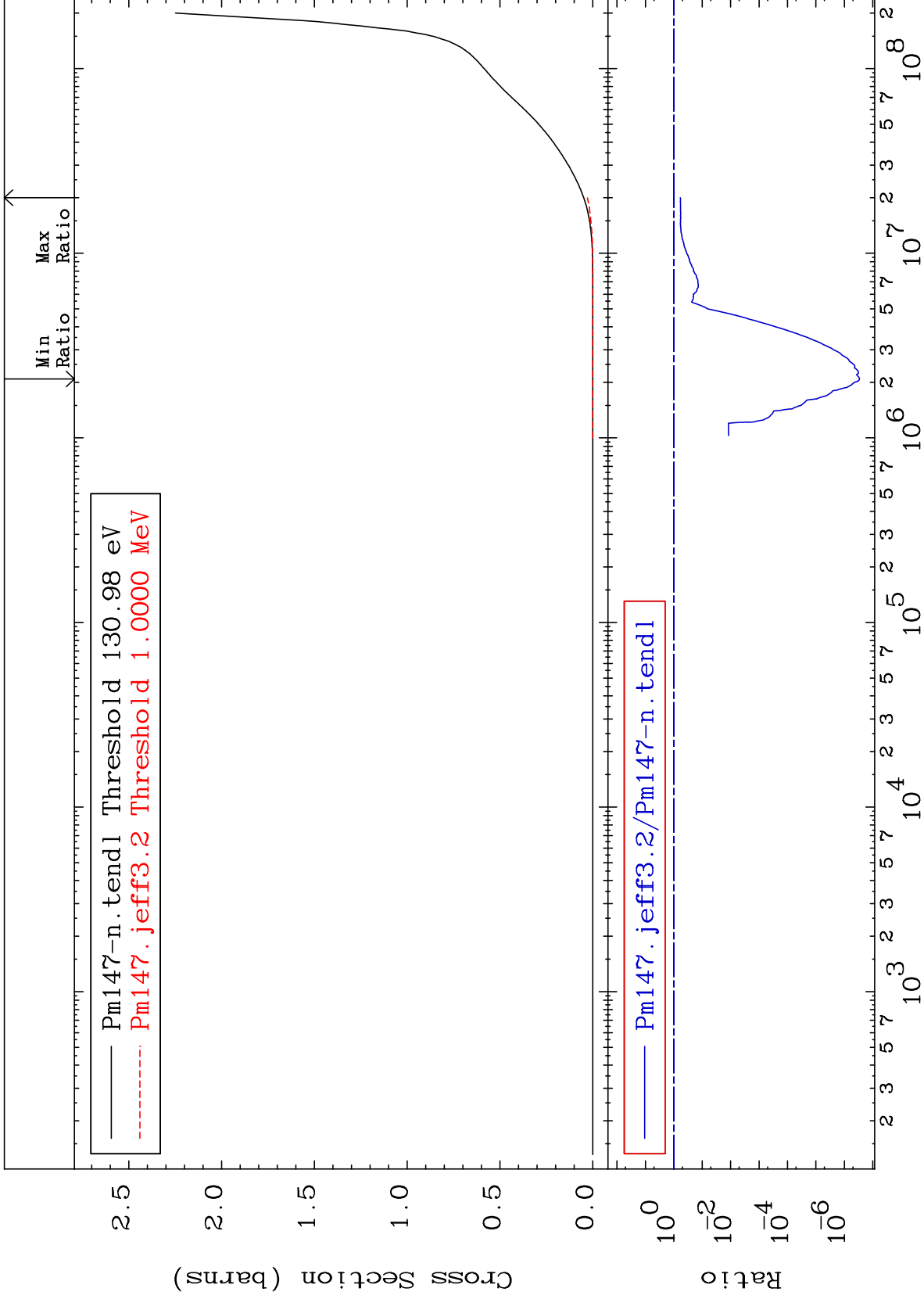
-100.0 To 526.1 %



22

Incident Energy (eV)

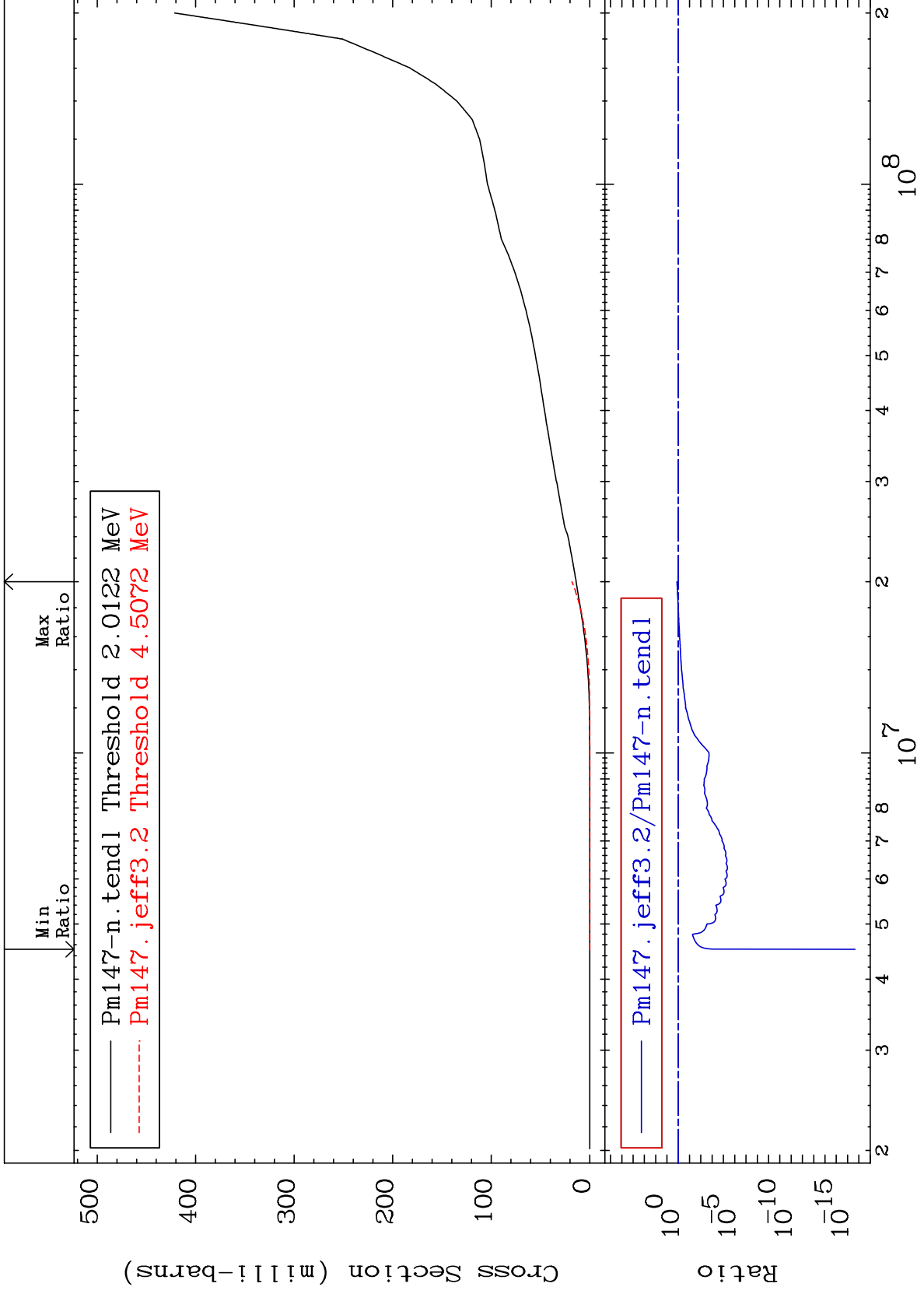
61-Pm-147



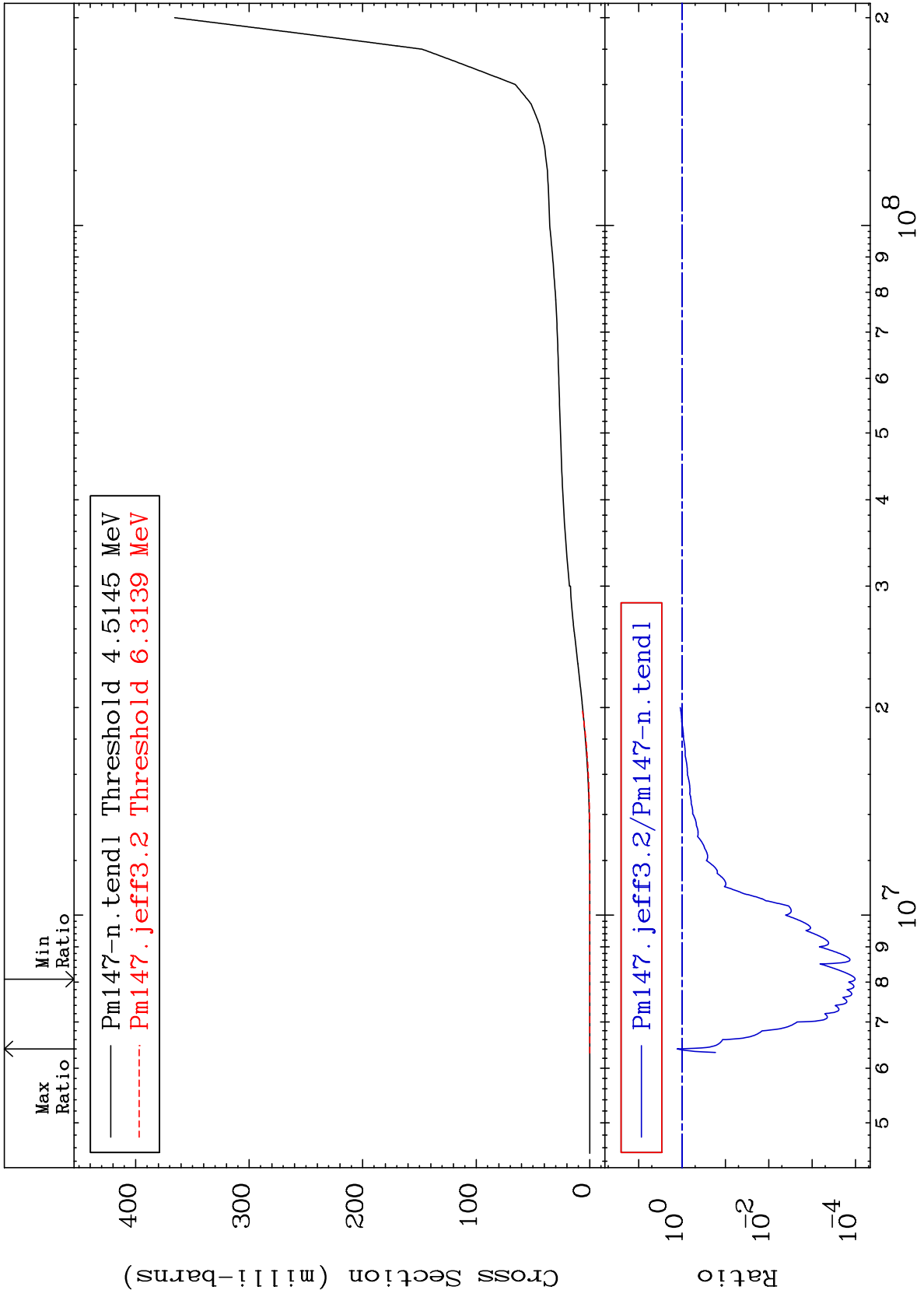
MAT 6149

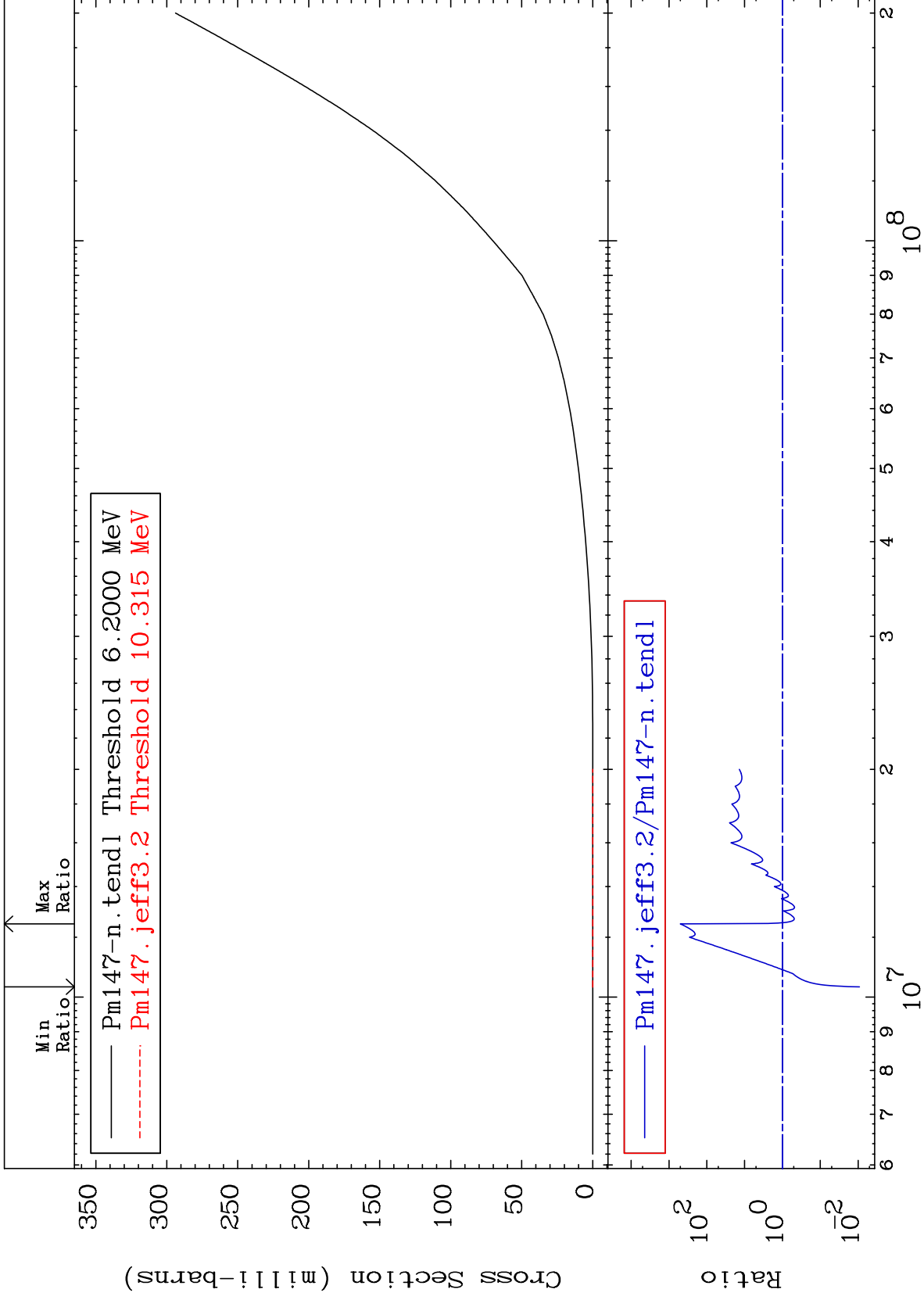
Deuterium Production  
Cross Section

61-Pm-147  
-100.0 To 31.13 %





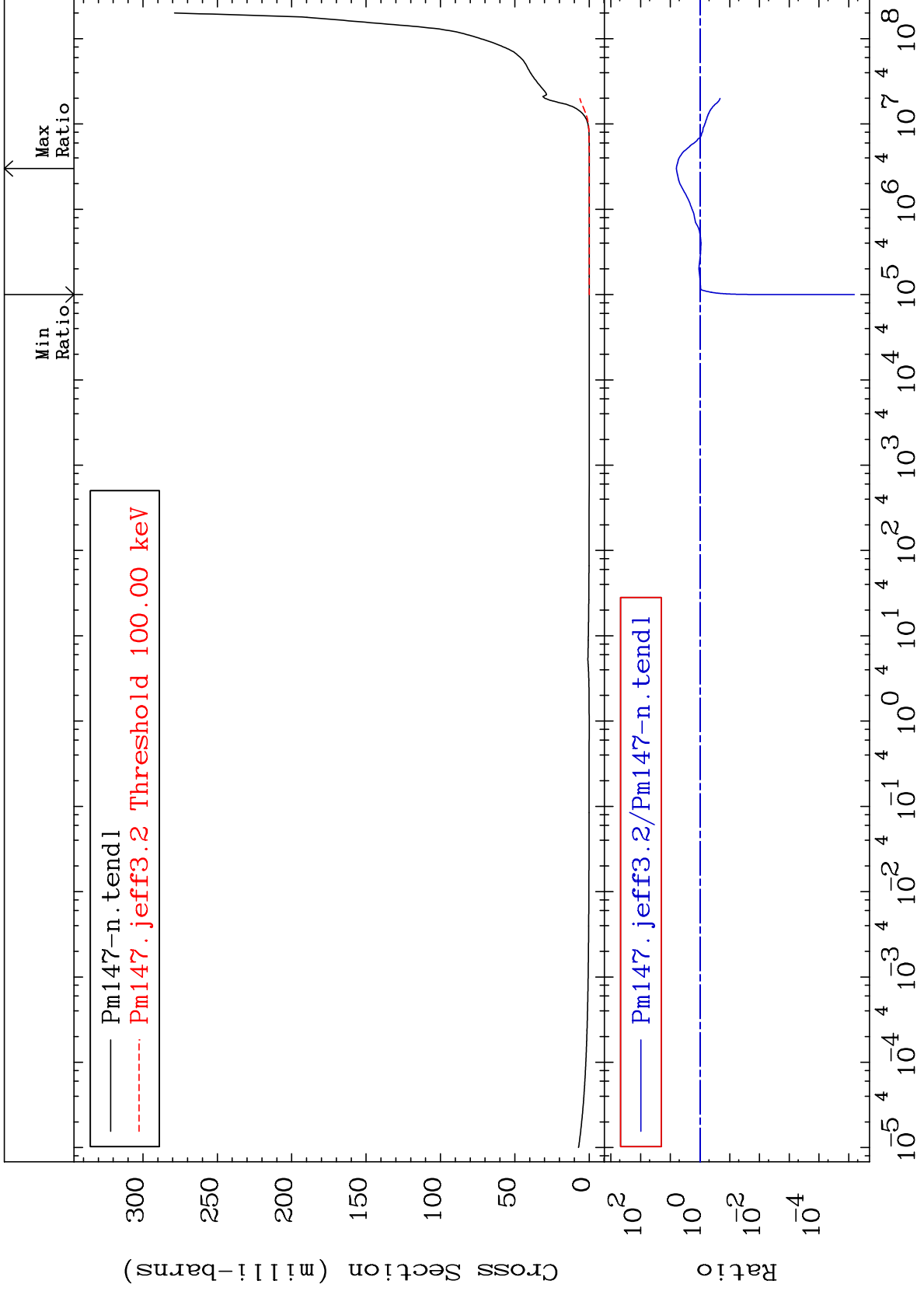




MAT 6149

He-4 Production  
Cross Section

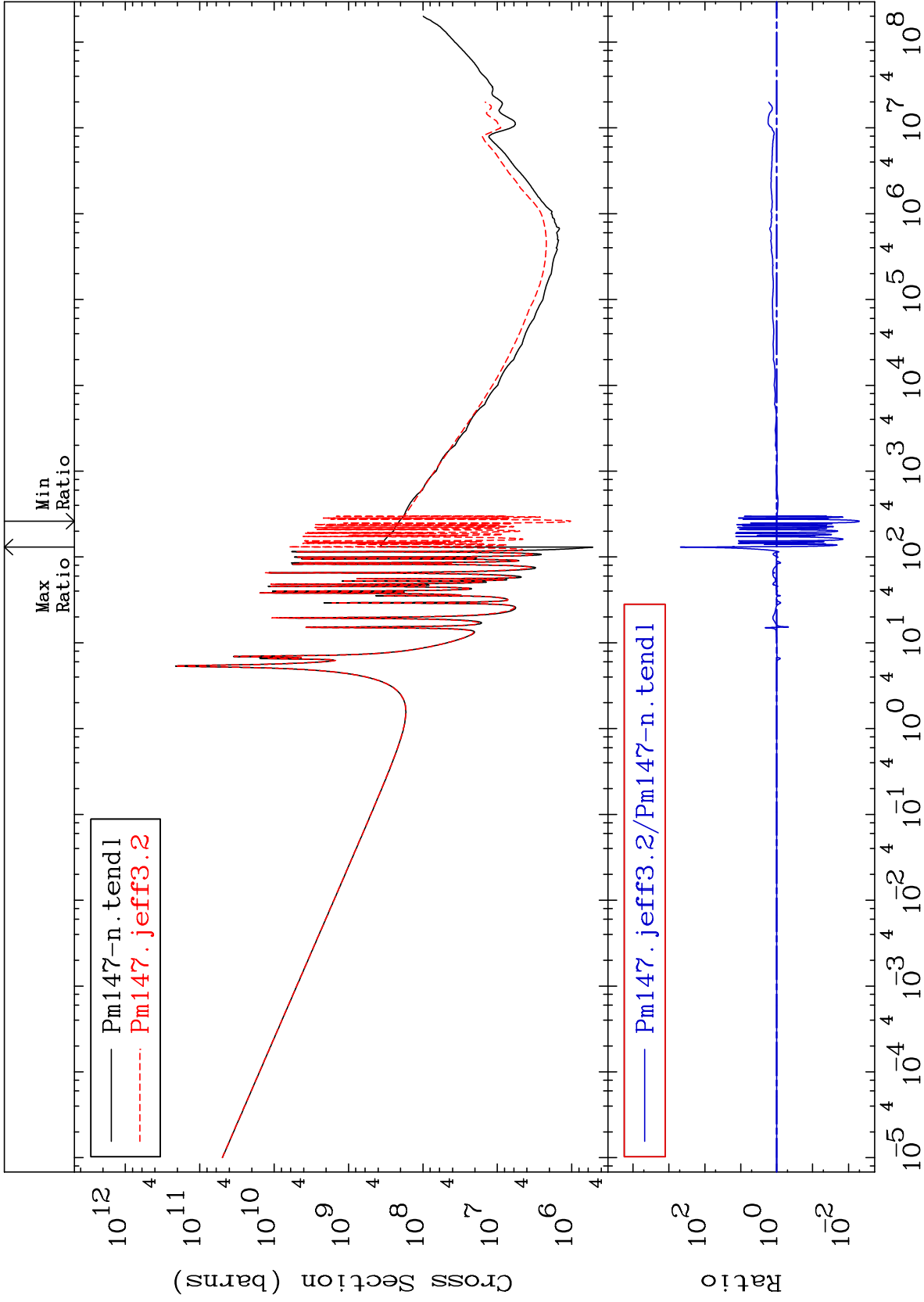
61-Pm-147  
-100.0 To 526.1 %

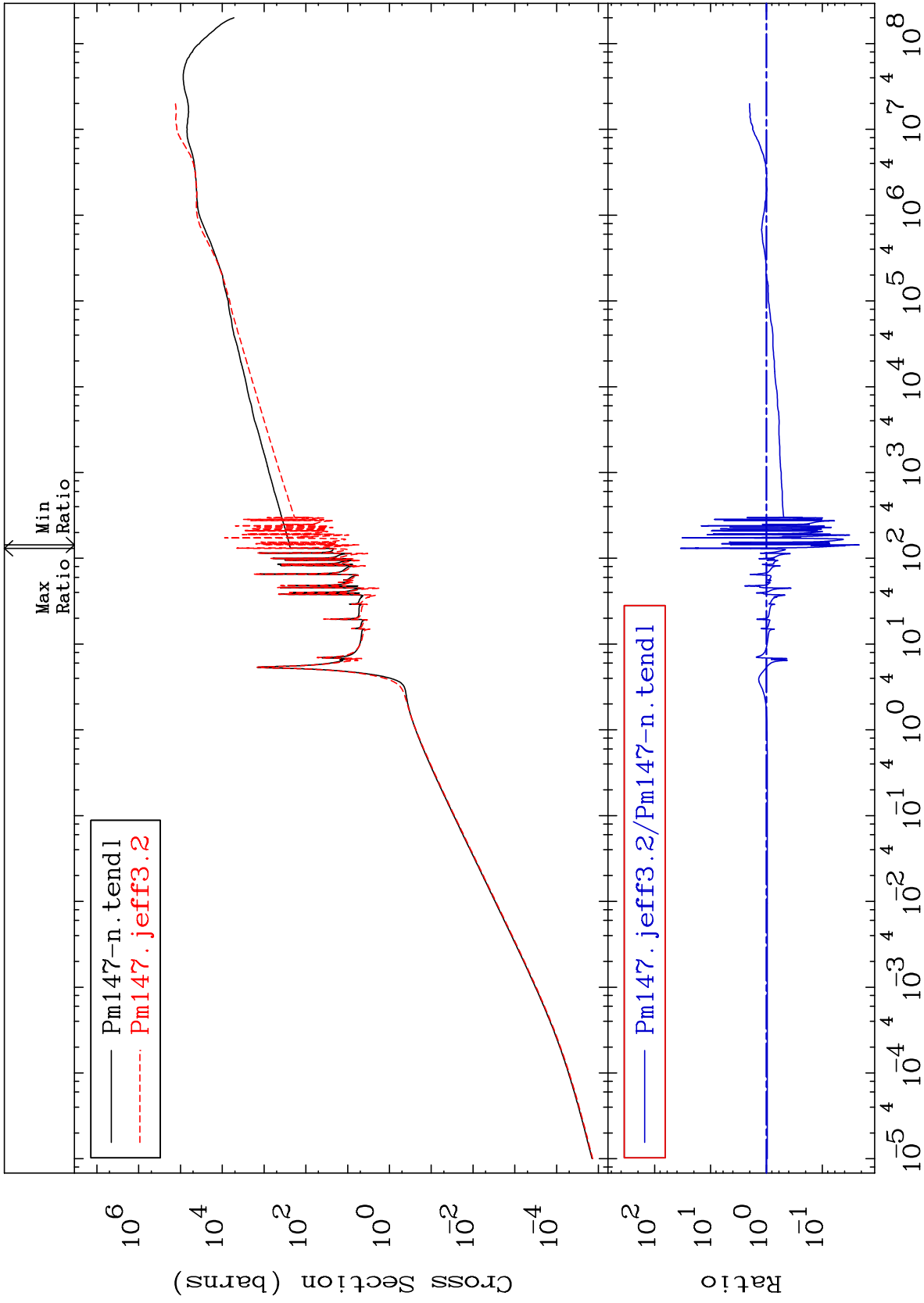


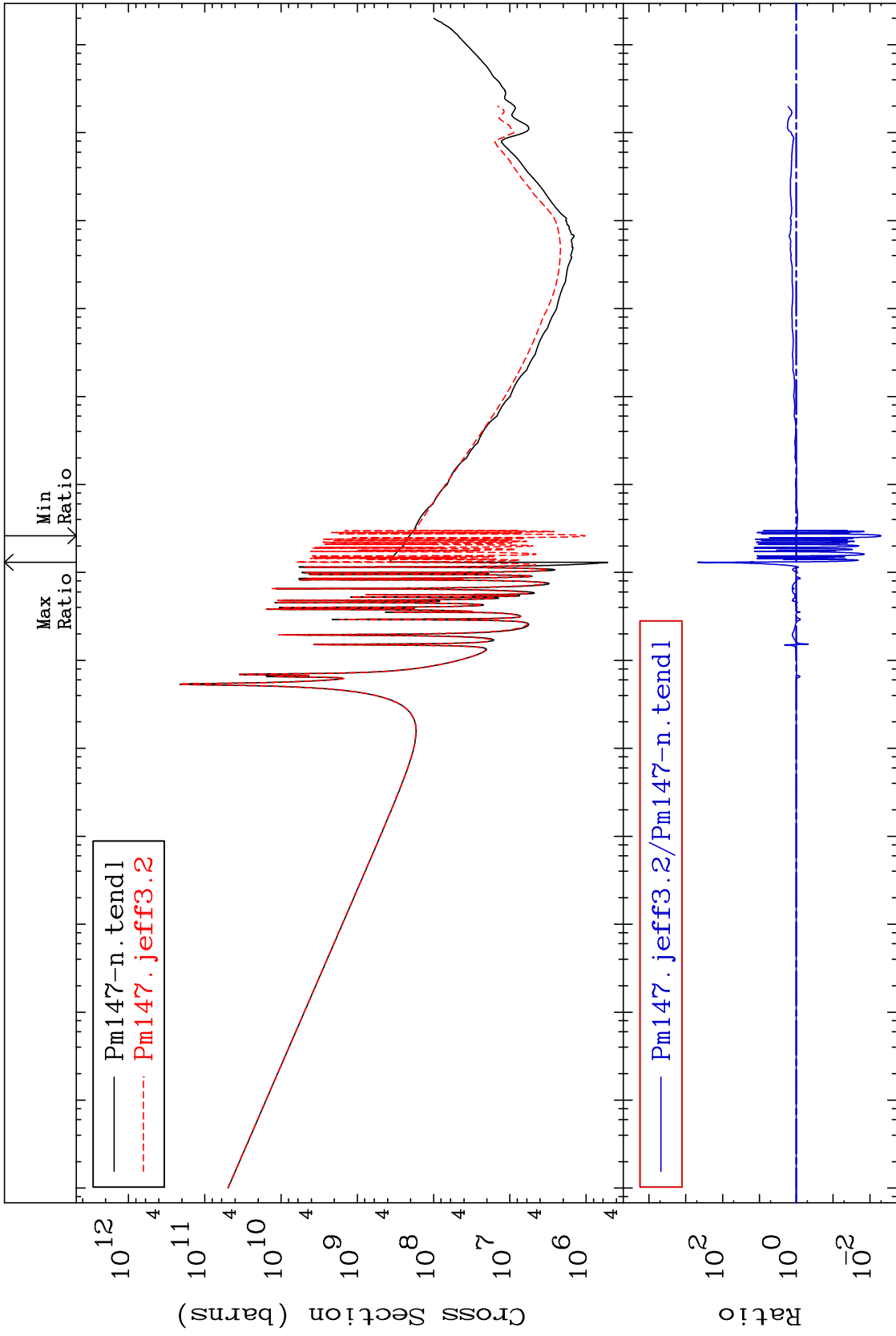
27

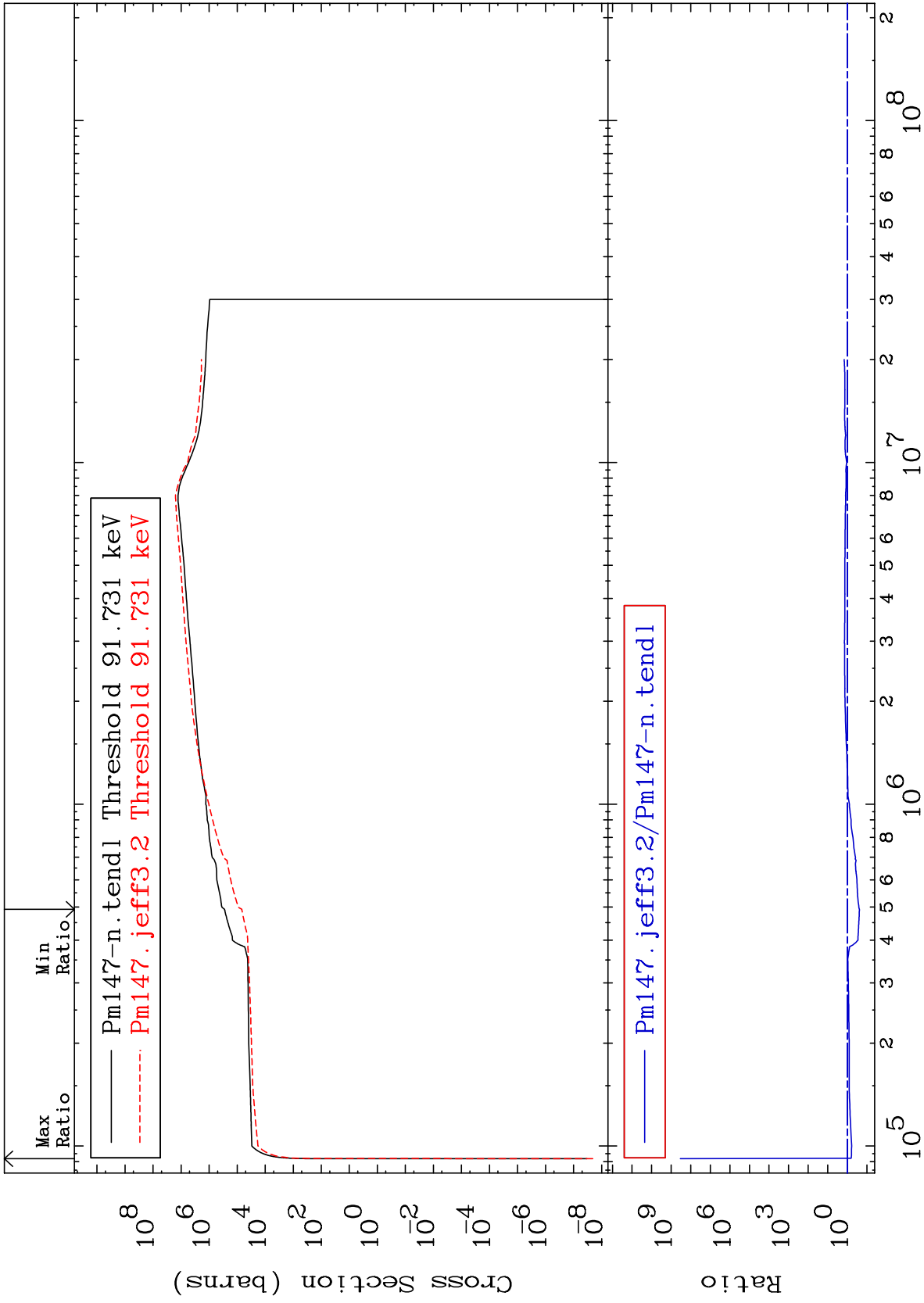
Incident Energy (eV)

61-Pm-147





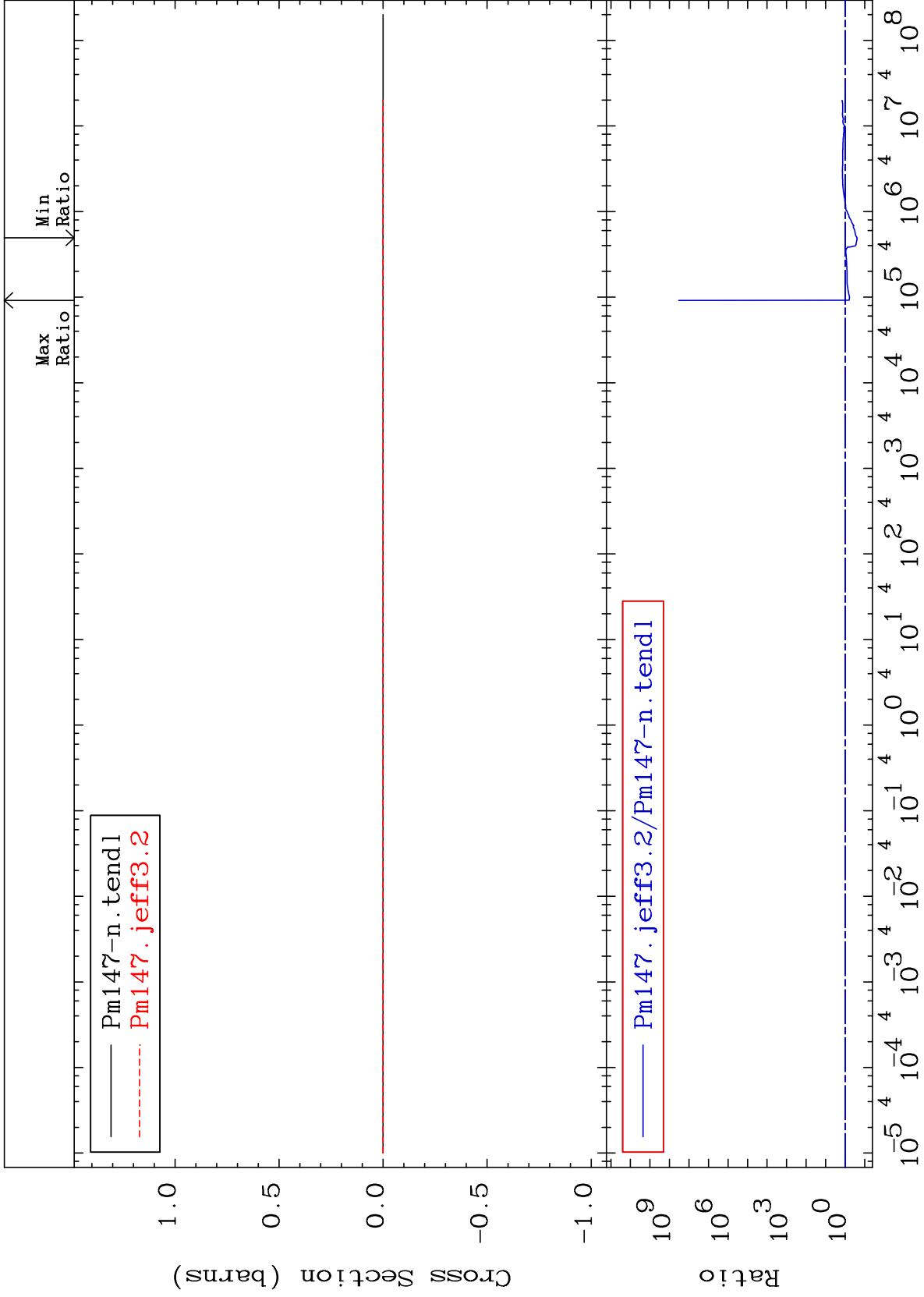




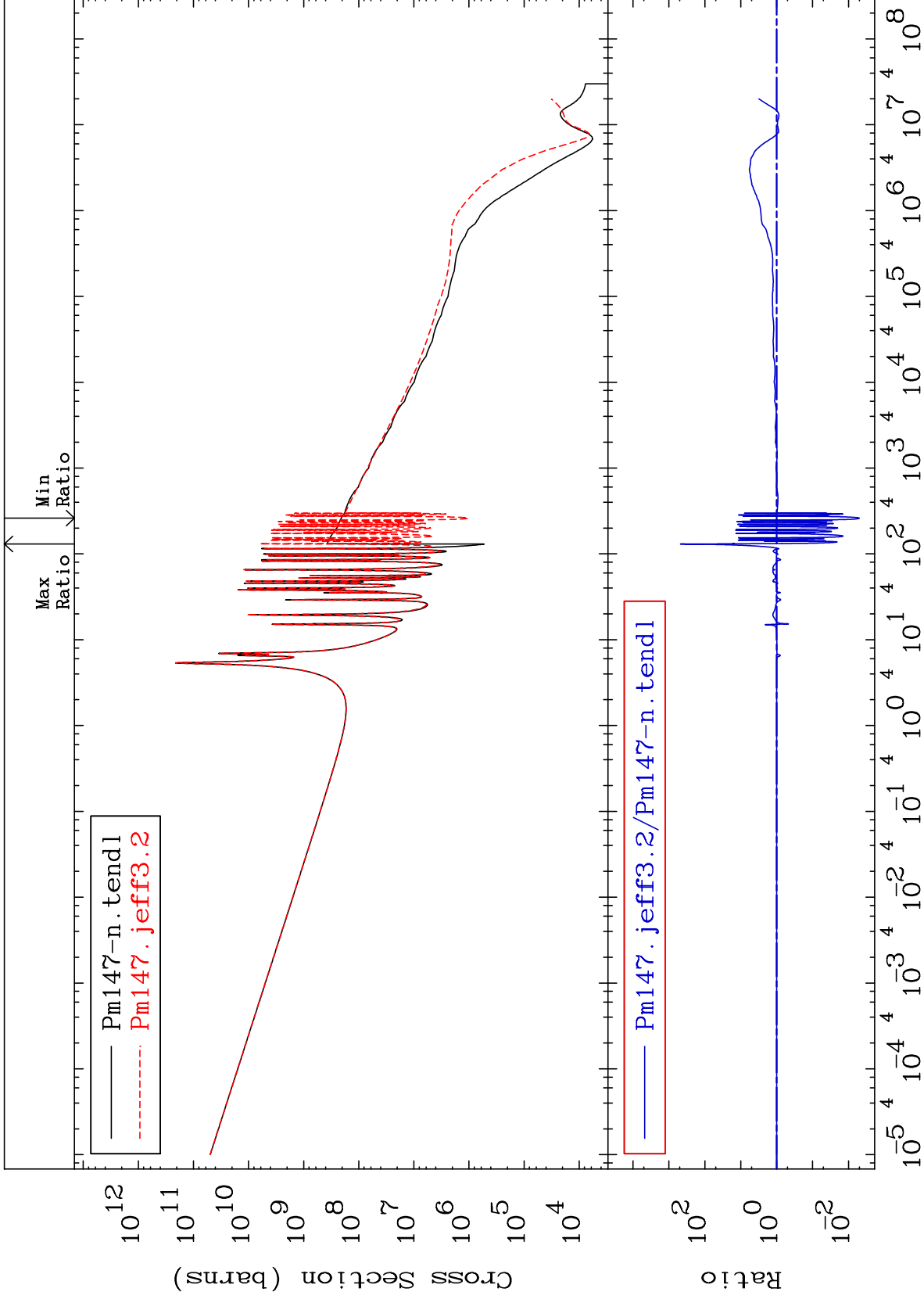
MAT 6149

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

61-Pm-147  
-75.97 To 9999. %



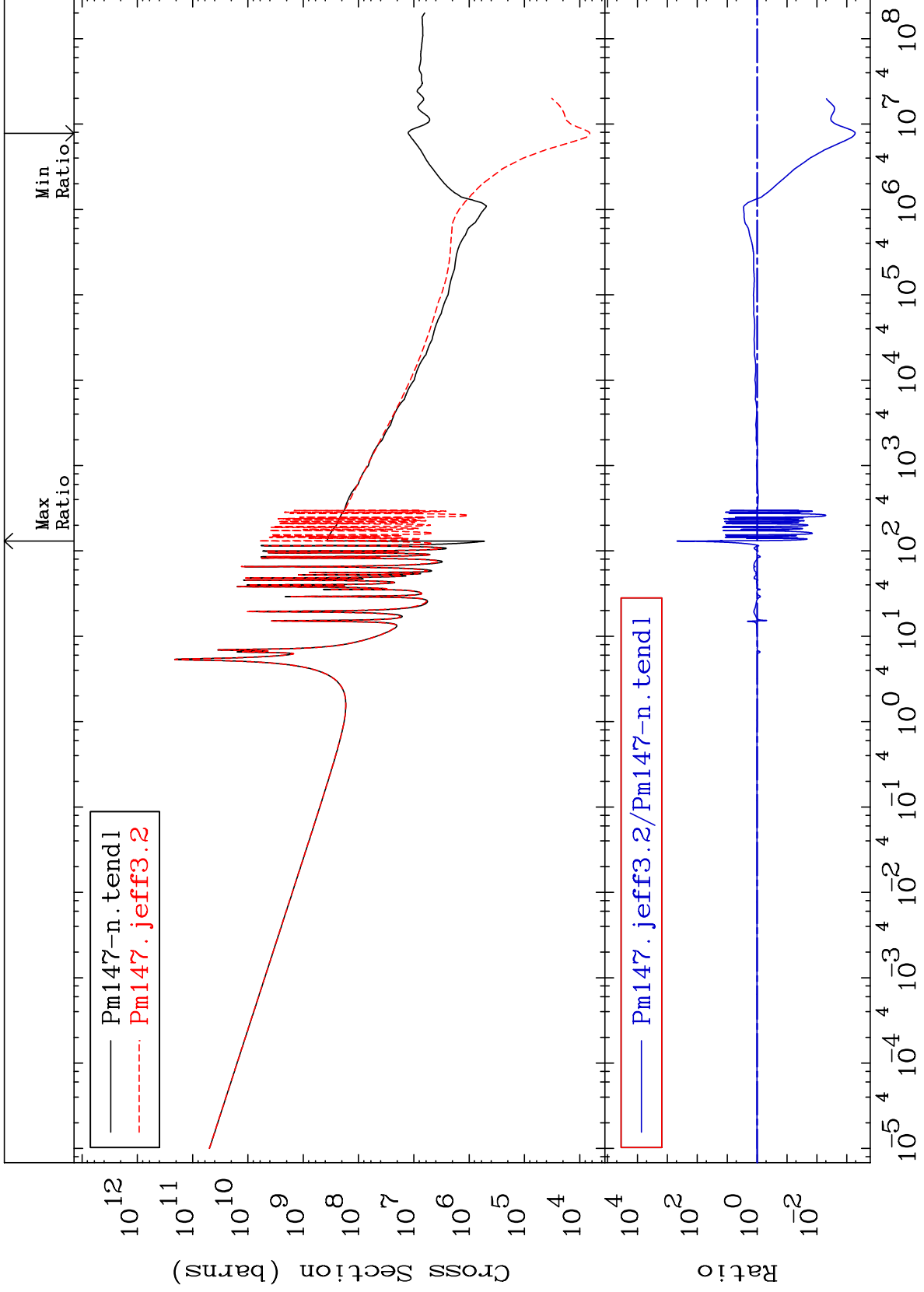


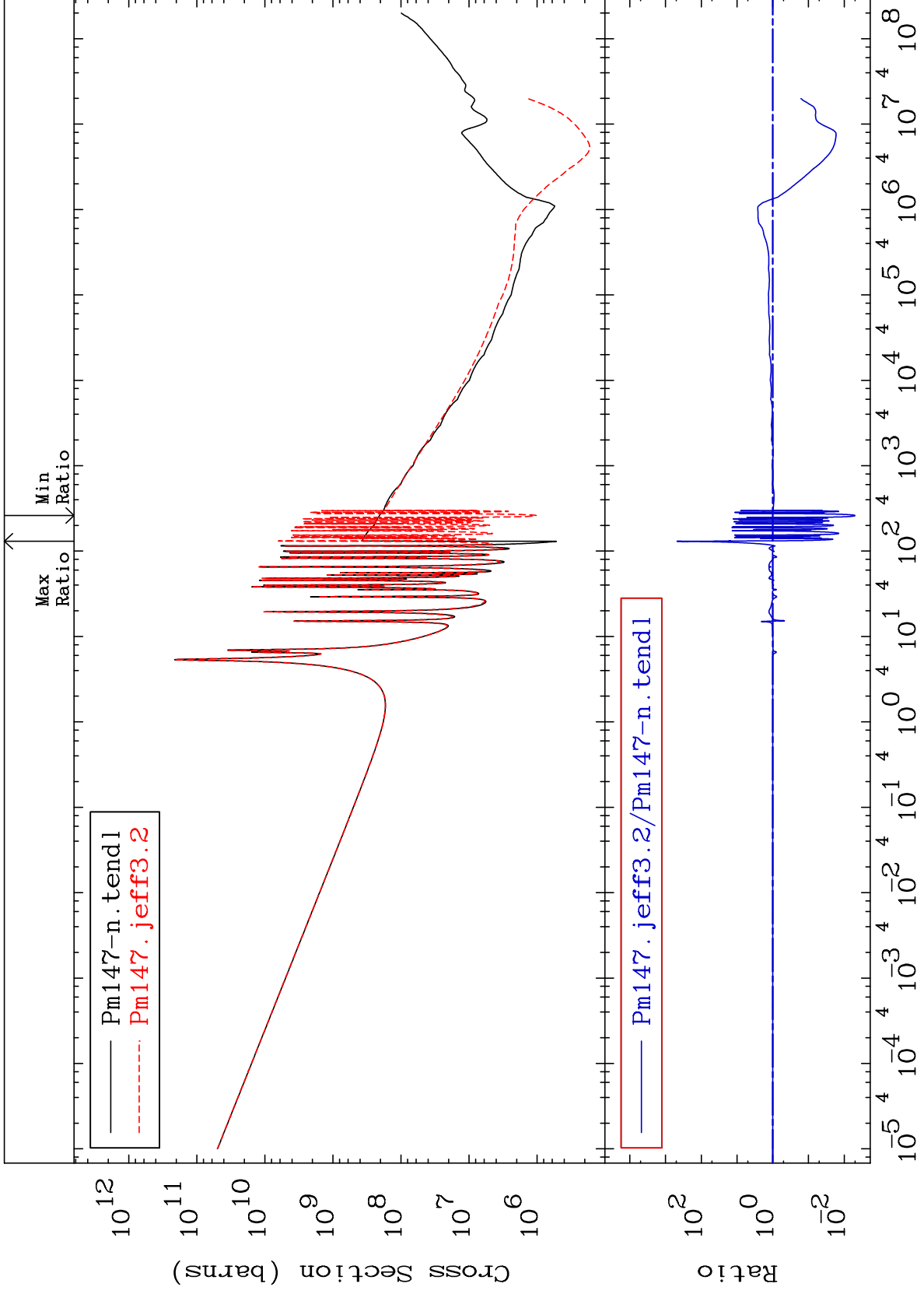


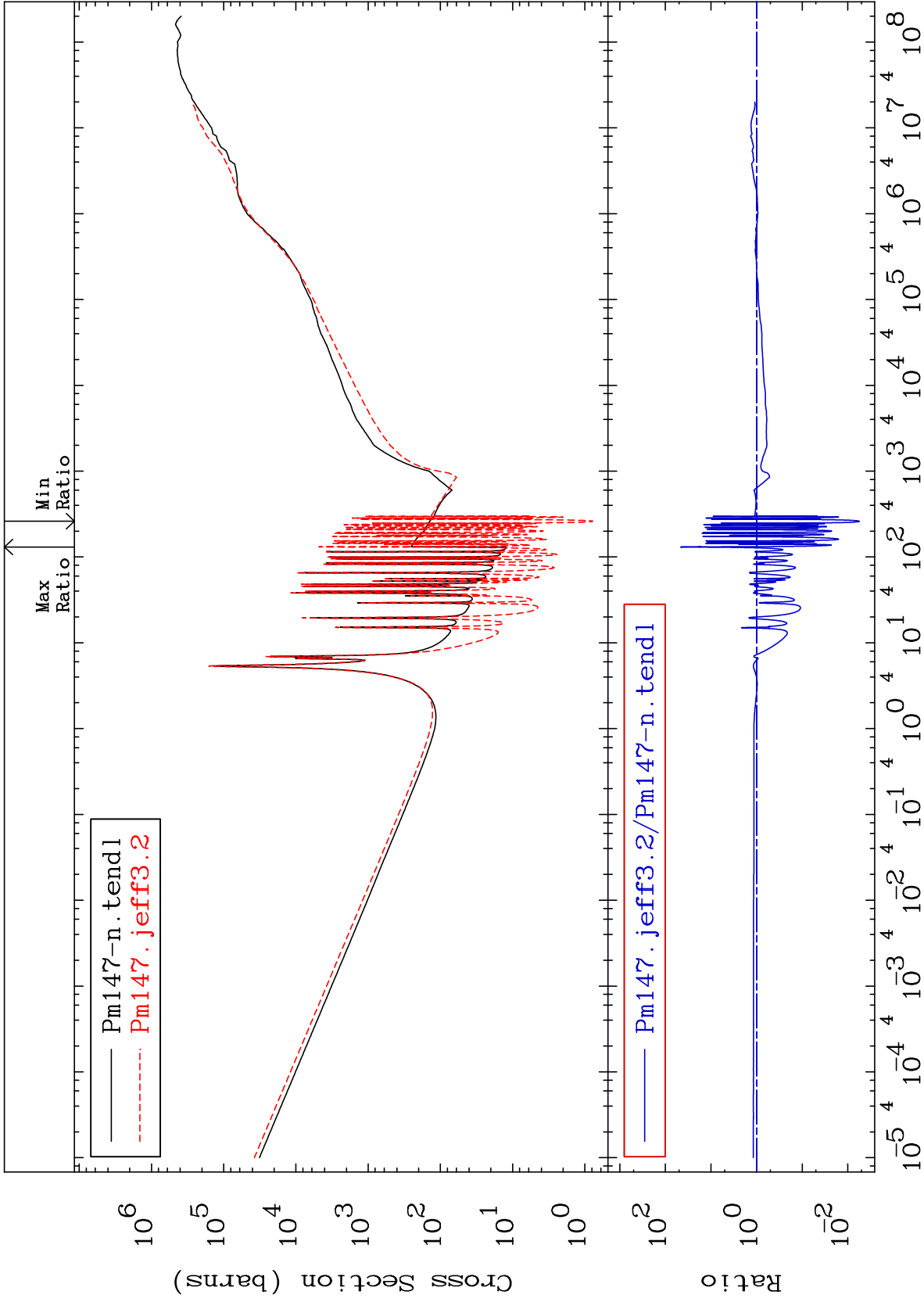
MAT 6149

Total photon (eV-barns)  
Cross Section

61-Pm-147  
-99.95 To 9999. %



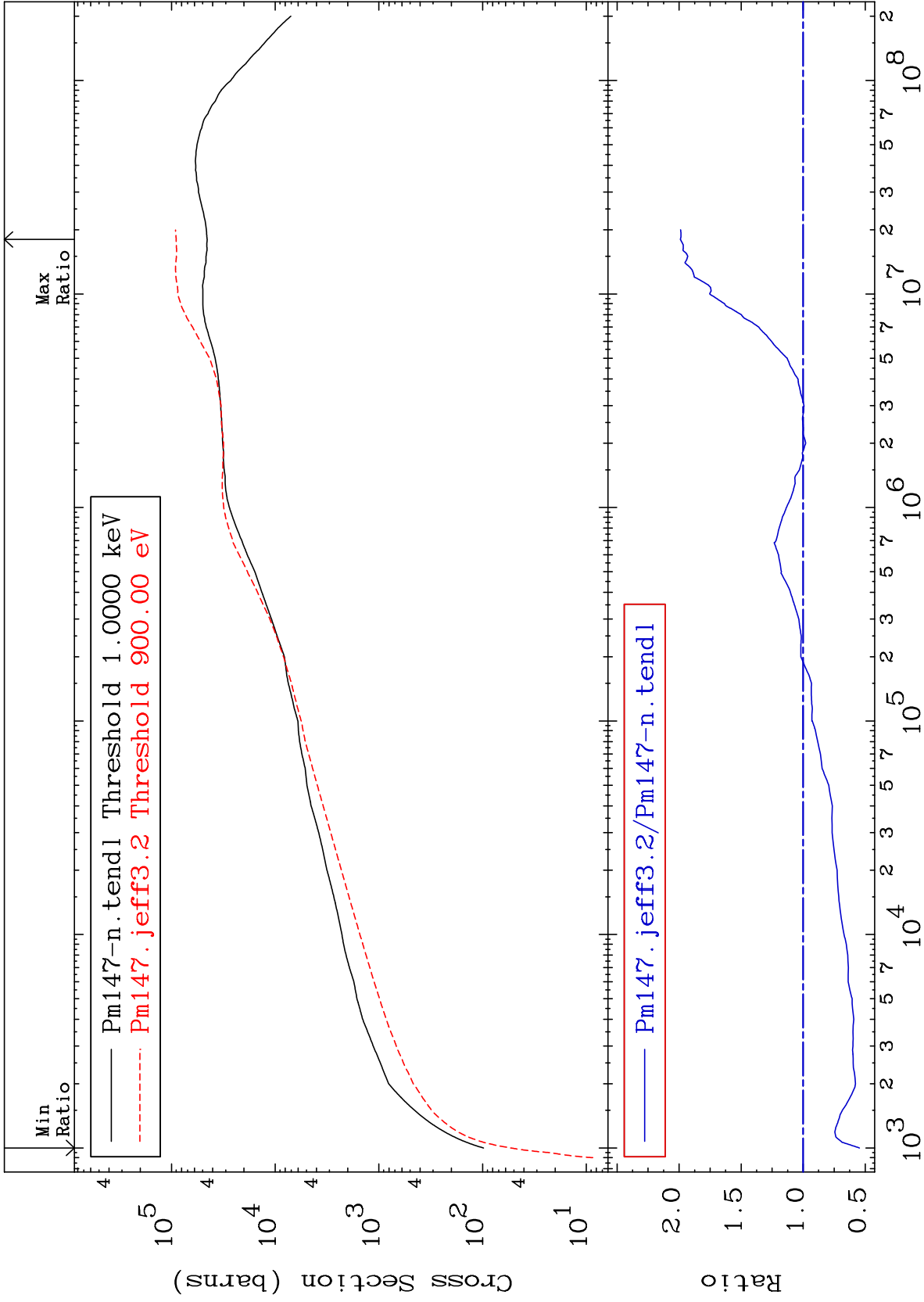




MAT 6149

Dpa elastic (mt2)  
Cross Section

61-Pm-147  
-45.37 To 98.99 %



37

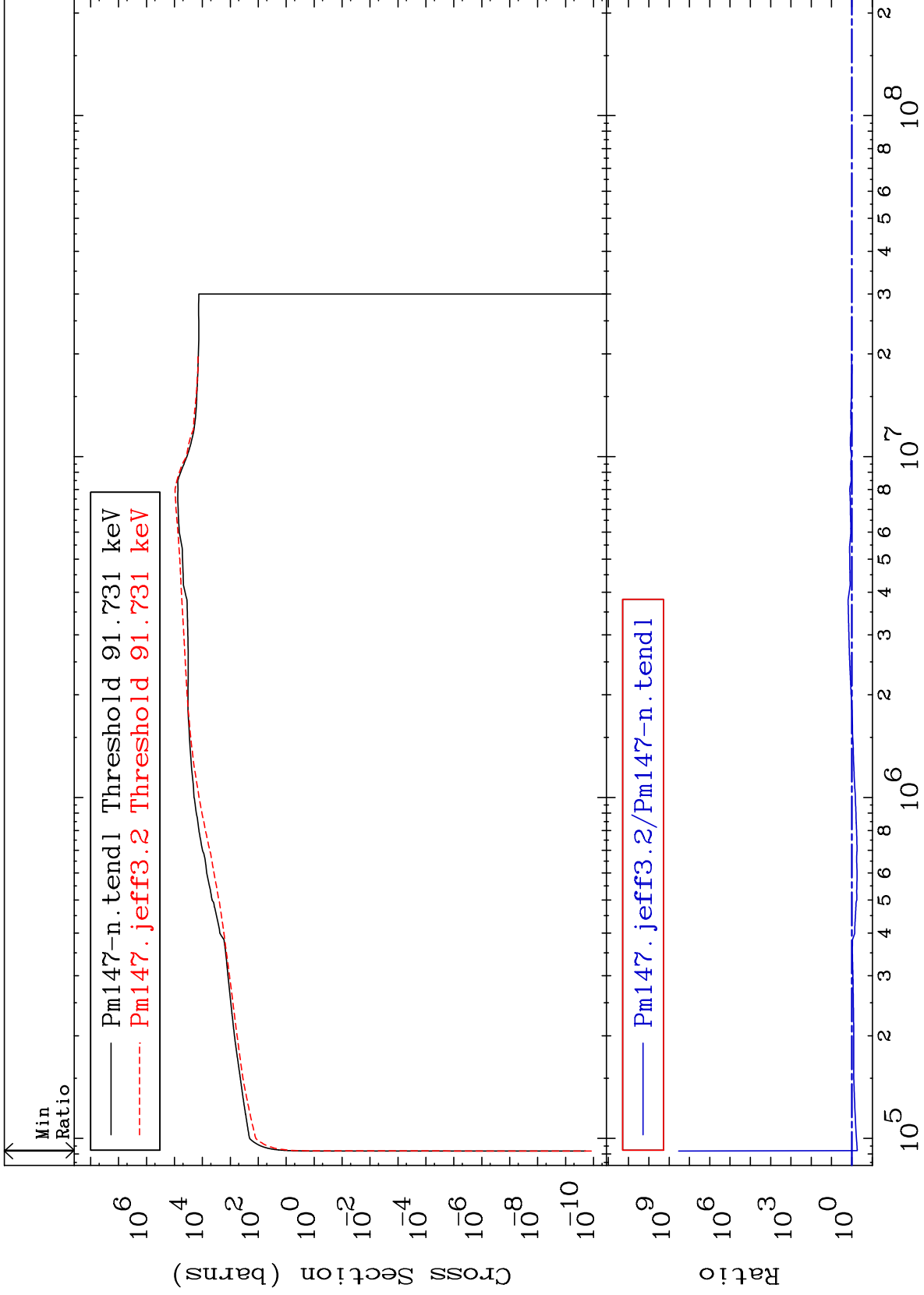
Incident Energy (eV)

61-Pm-147

MAT 6149

Dpa inelastic (mt51-91)  
Cross Section

61-Pm-147  
-45.97 To 9999. %



38

Incident Energy (eV)

61-Pm-147

