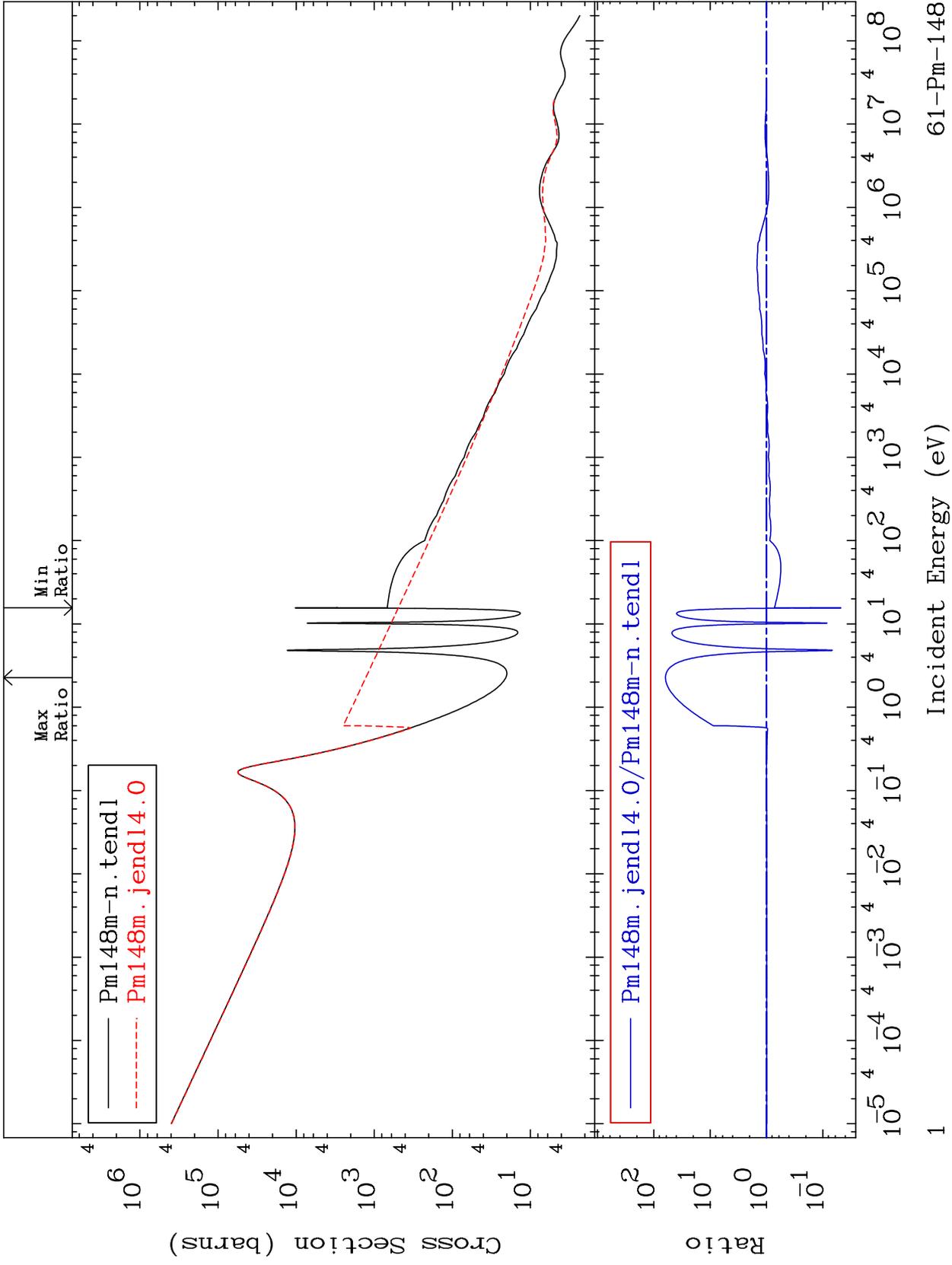


MAT 6153

Total  
Cross Section  
61-Pm-148  
-95.20 To 6108. %

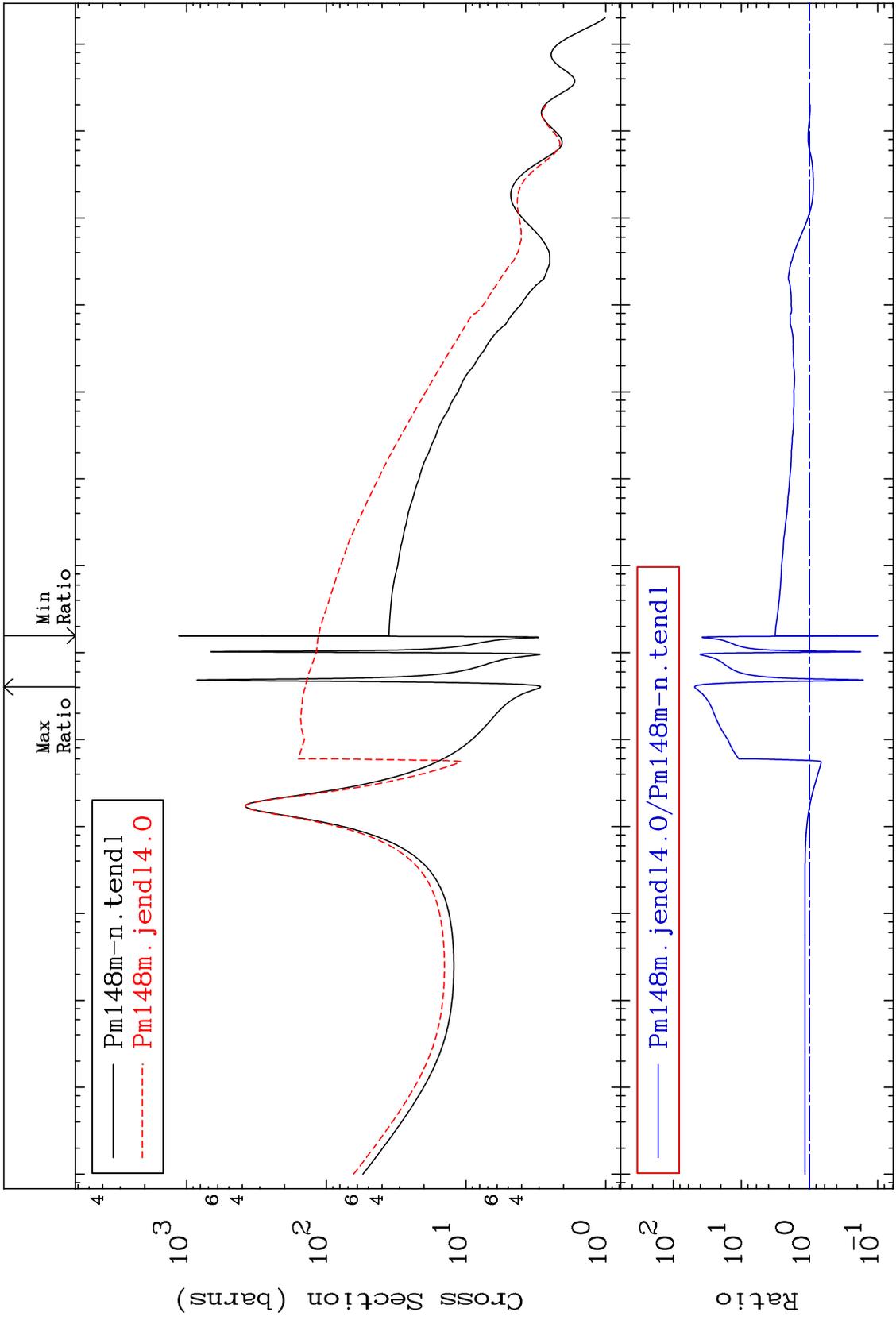


61-Pm-148

Incident Energy (eV)

MAT 6153

Elastic Cross Section  
61-Pm-148  
-90.02 To 4749. %



61-Pm-148

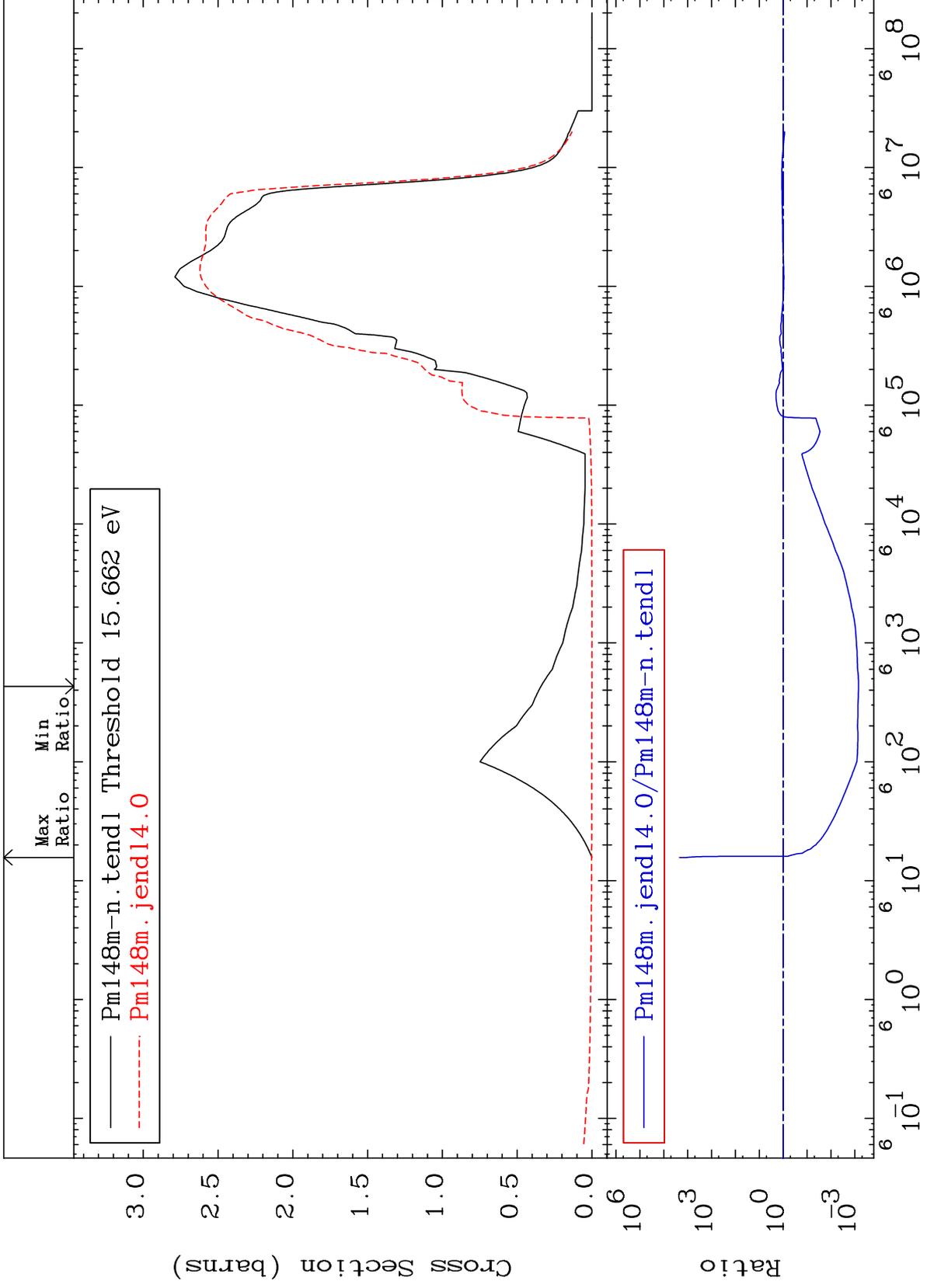
Incident Energy (eV)

2

MAT 6153

Inelastic  
Cross Section

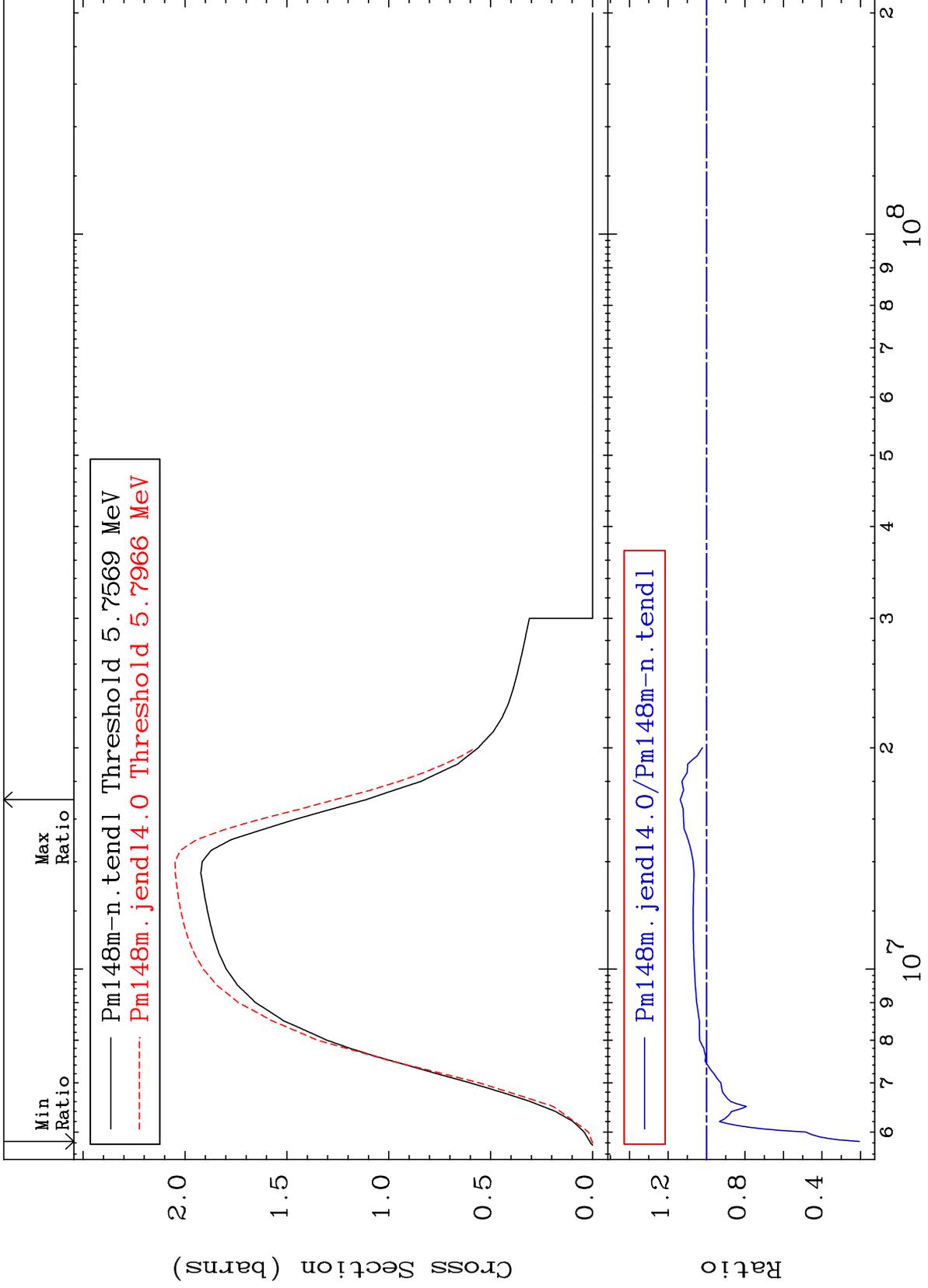
61-Pm-148  
-99.93 To 9999. %

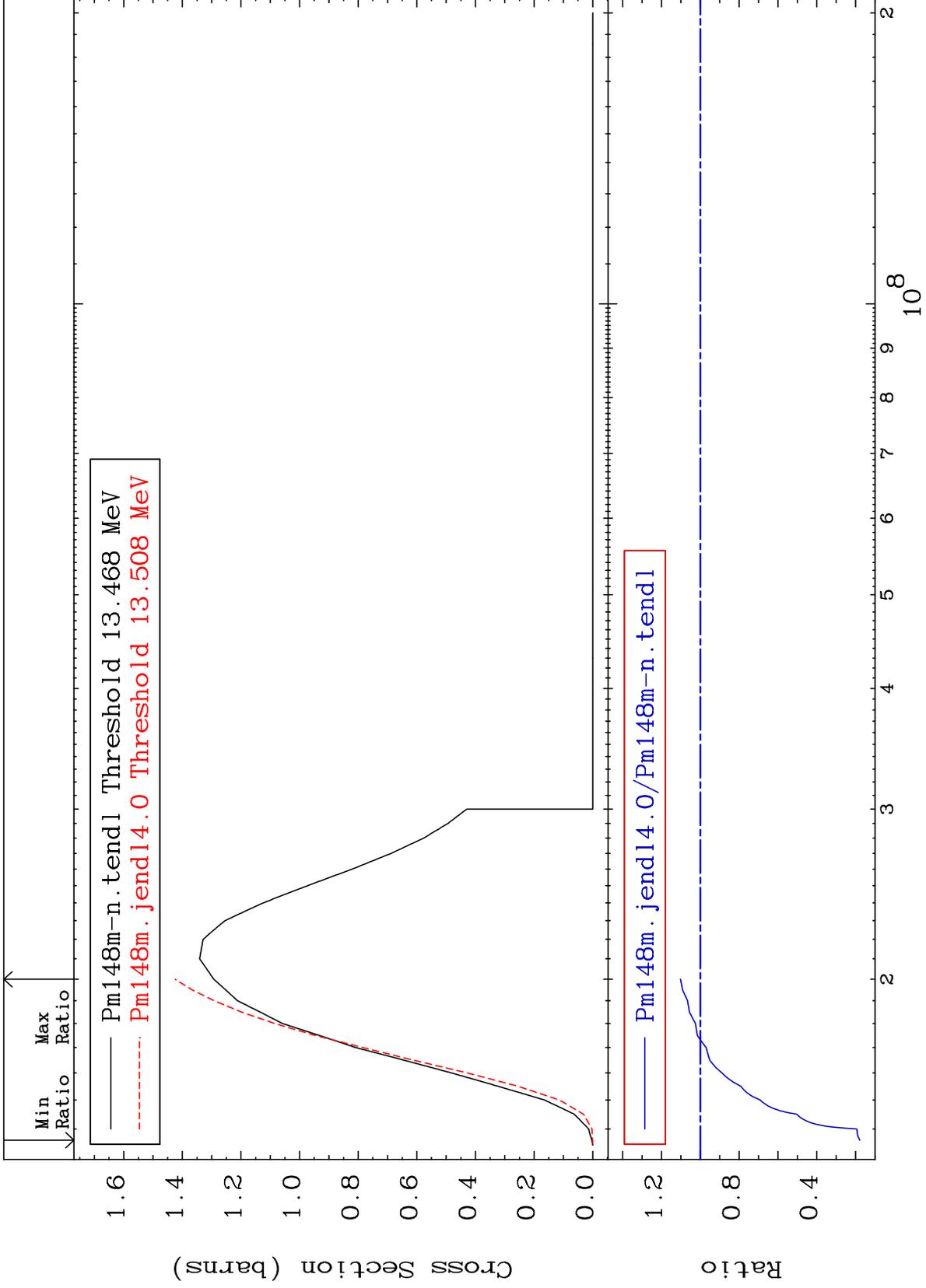


MAT 6153

(n,2n)  
Cross Section

61-Pm-148  
-79.49 To 13.65 %





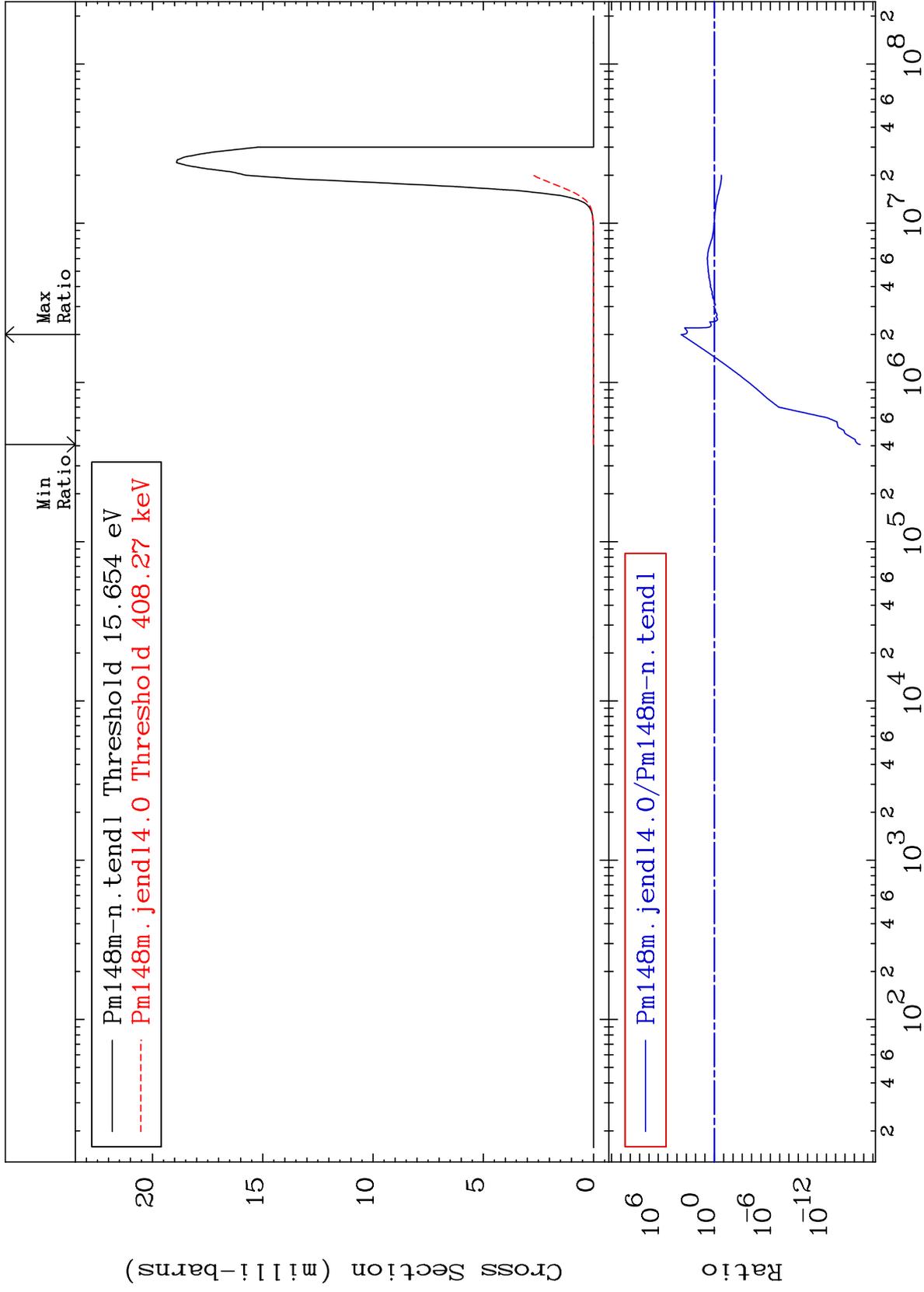
MAT 6153

(n, n')  $\alpha$

61-Pm-148

Cross Section

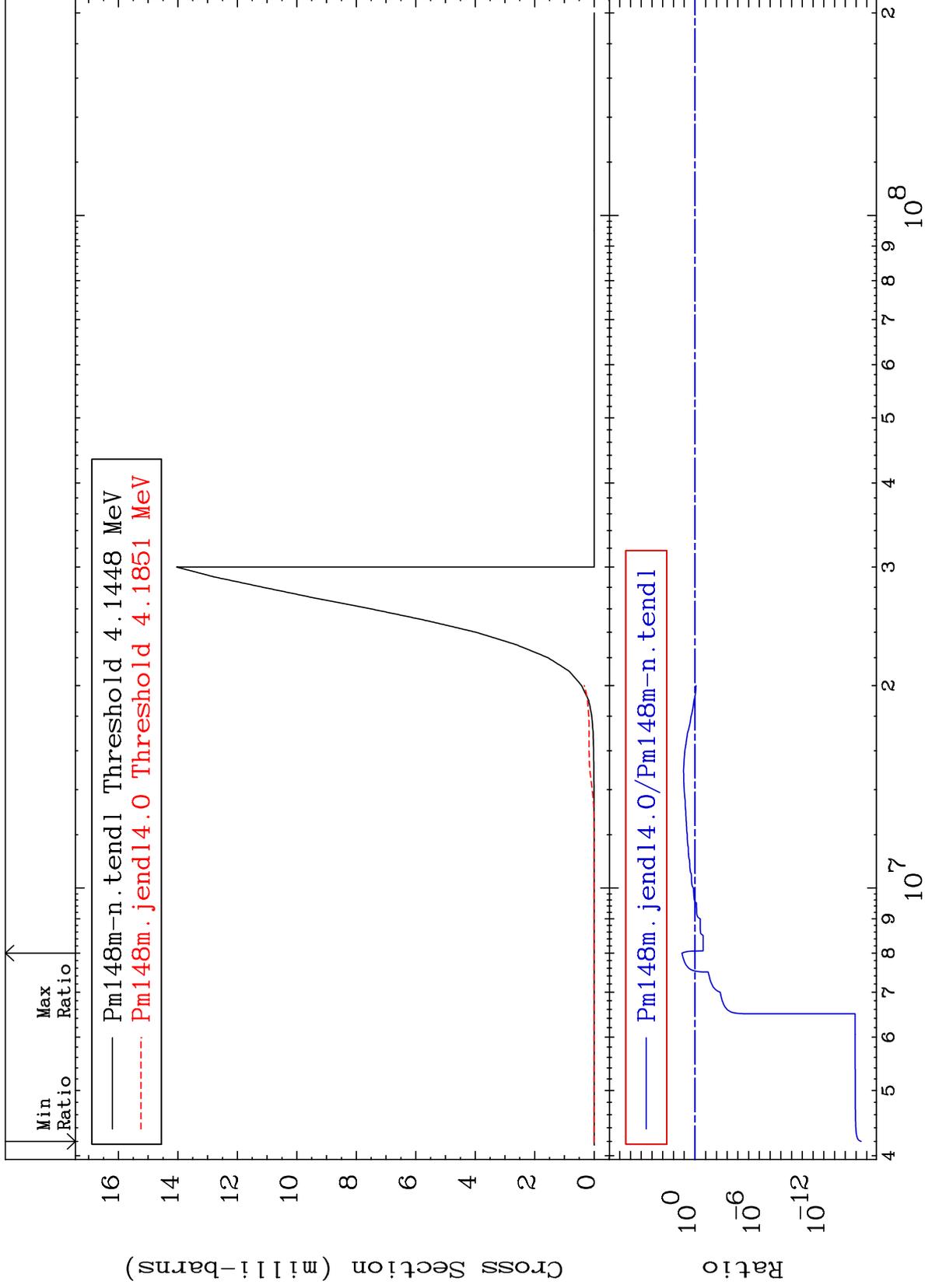
-100.0 To 9999. %



MAT 6153

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

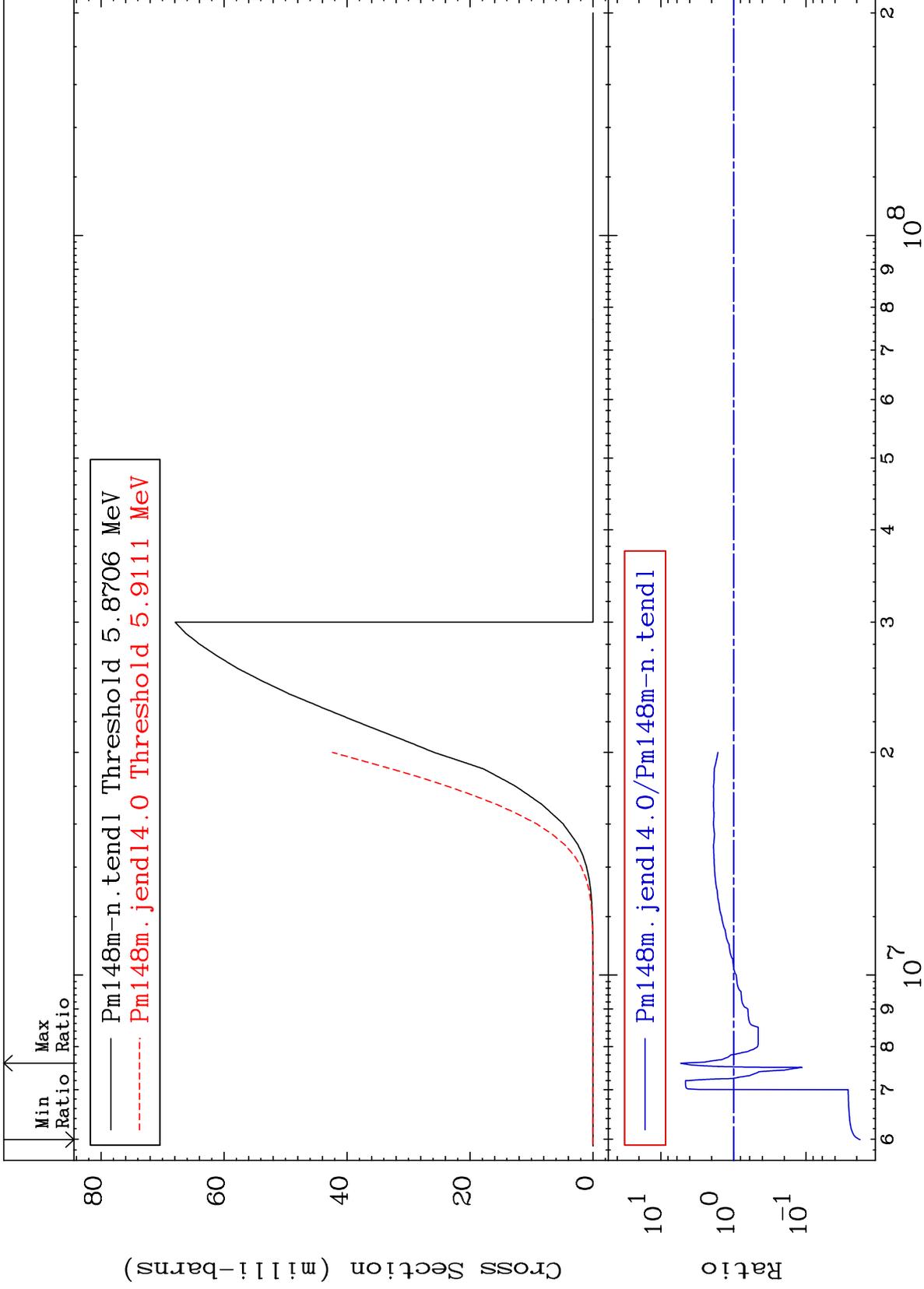
61-Pm-148  
-100.0 To 1533. %



MAT 6153

(n,n') p  
Cross Section

61-Pm-148  
-98.20 To 432.2 %



8

Incident Energy (eV)

61-Pm-148

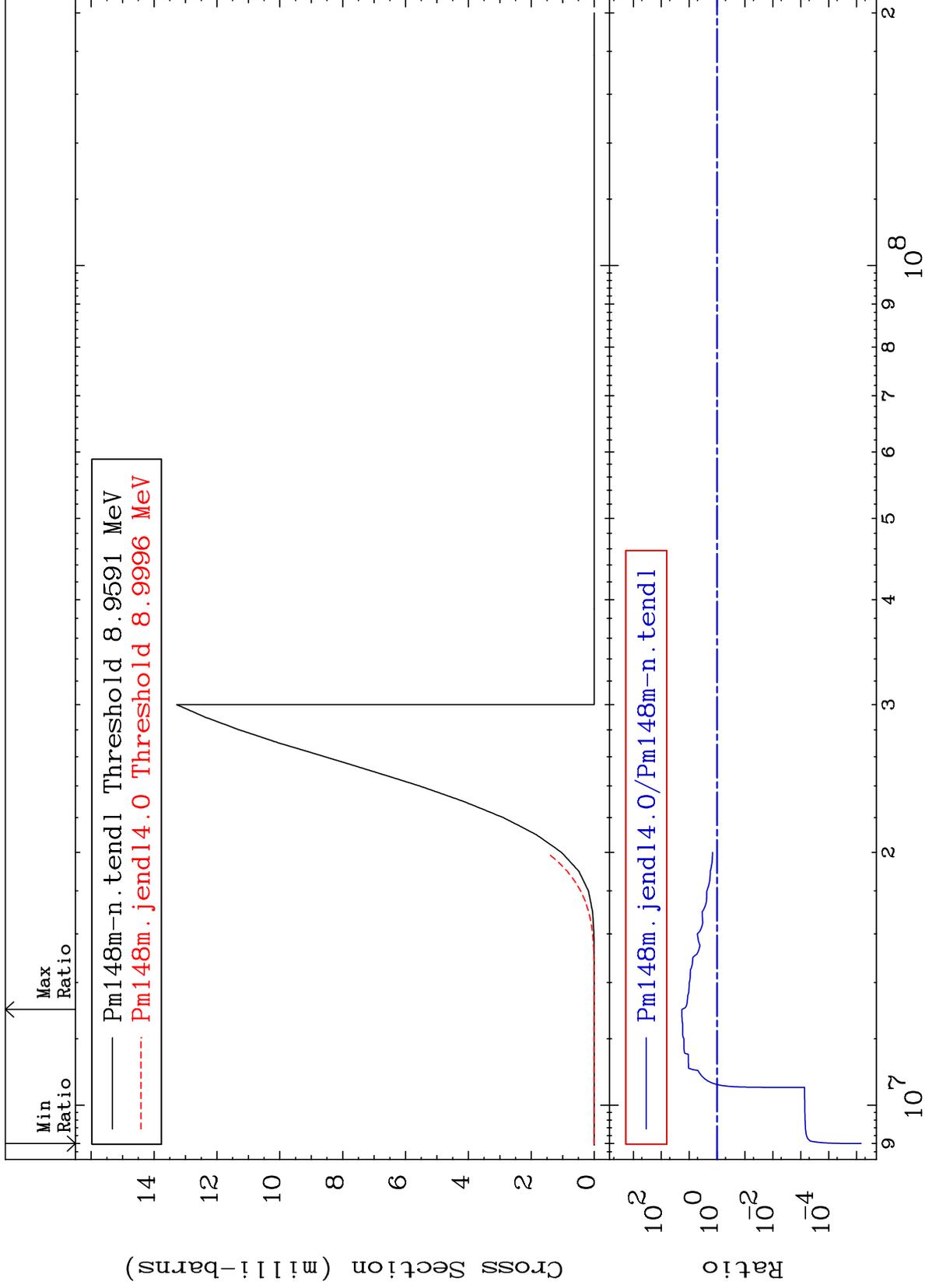
MAT 6153

(n,n') d

61-Pm-148

Cross Section

-100.0 To 1720. %



61-Pm-148

61-Pm-148

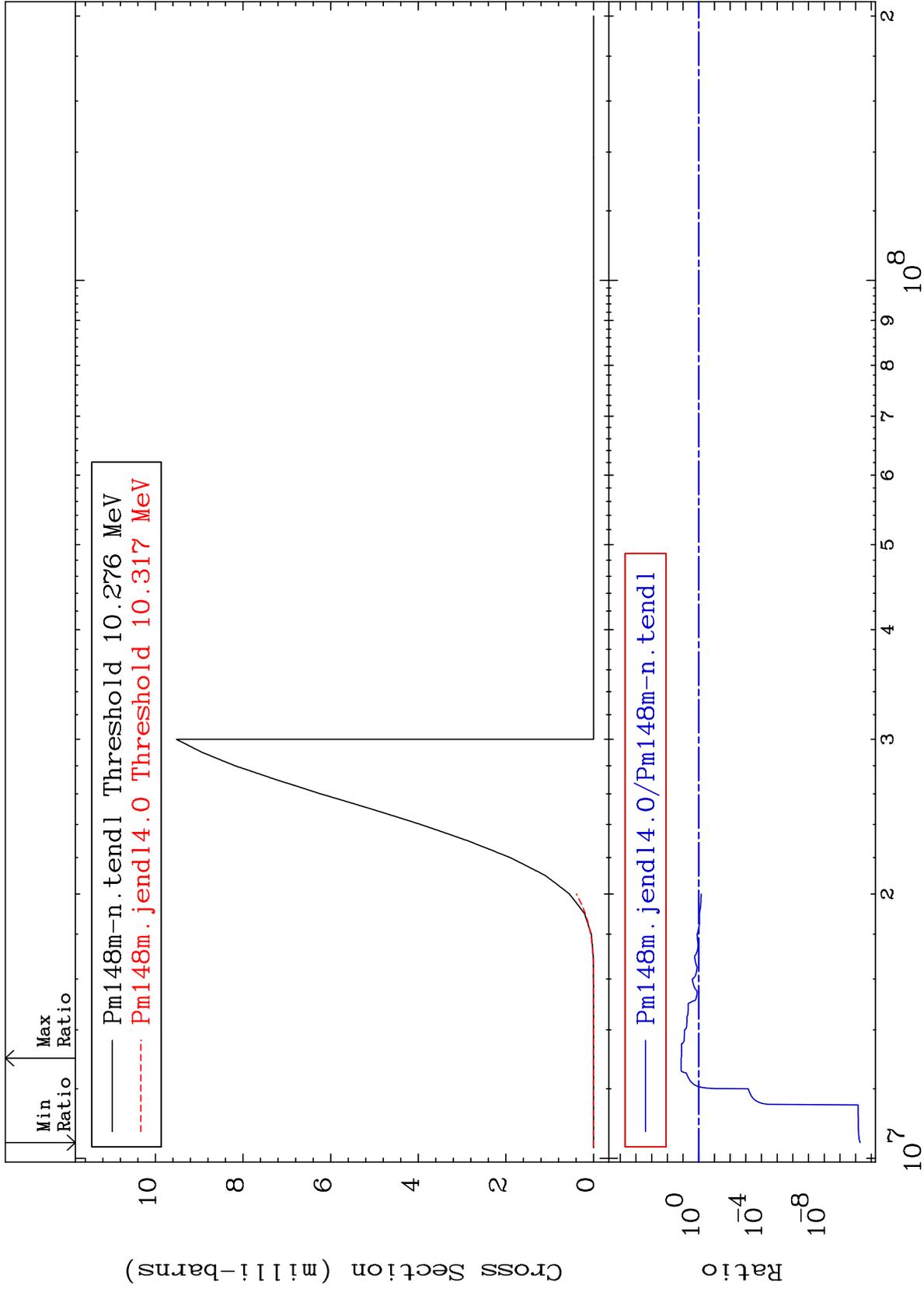
MAT 6153

(n,n') t

61-Pm-148

Cross Section

-100.0 To 1217. %



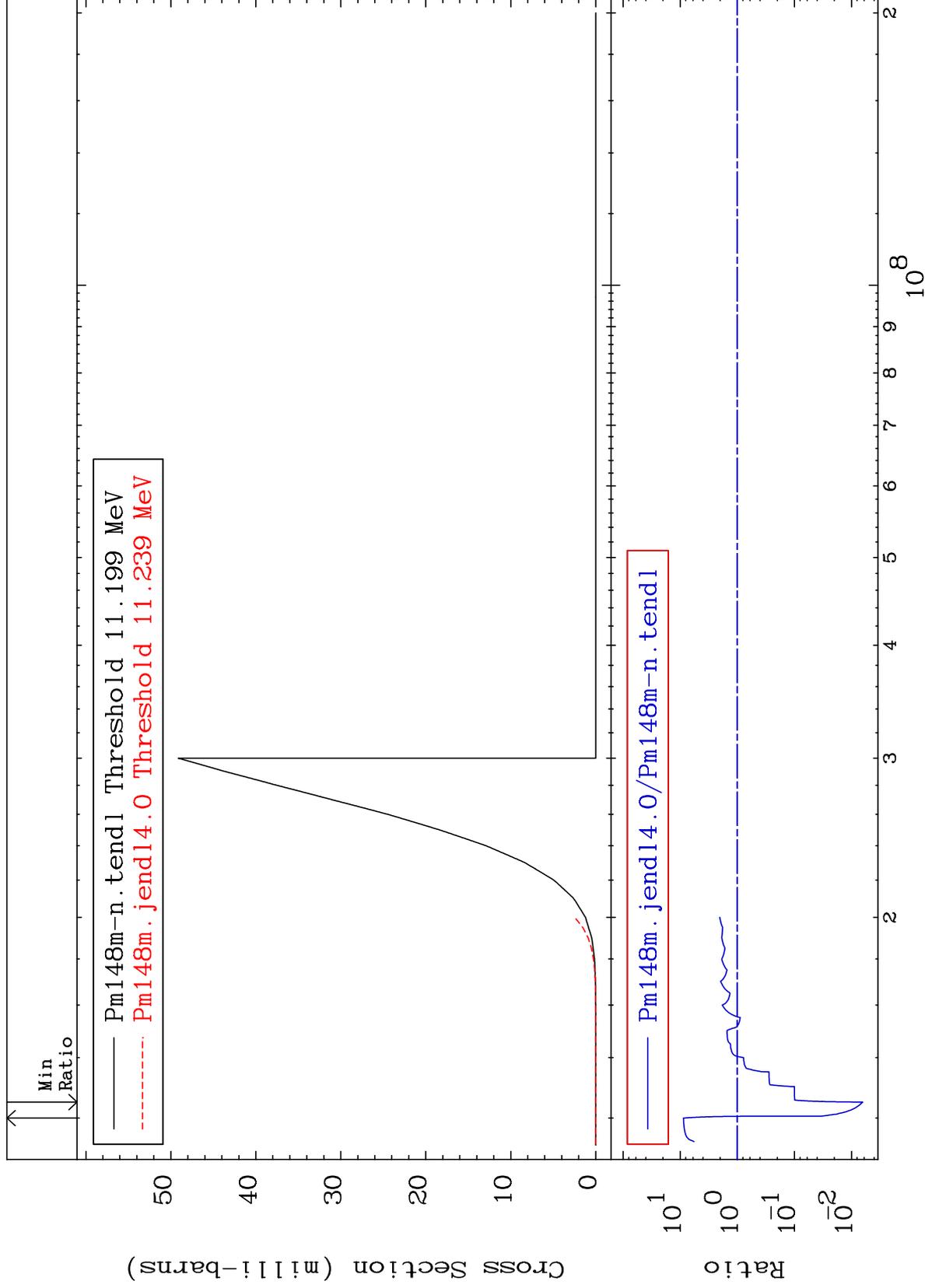
61-Pm-148

61-Pm-148

MAT 6153

(n,2n) p  
Cross Section

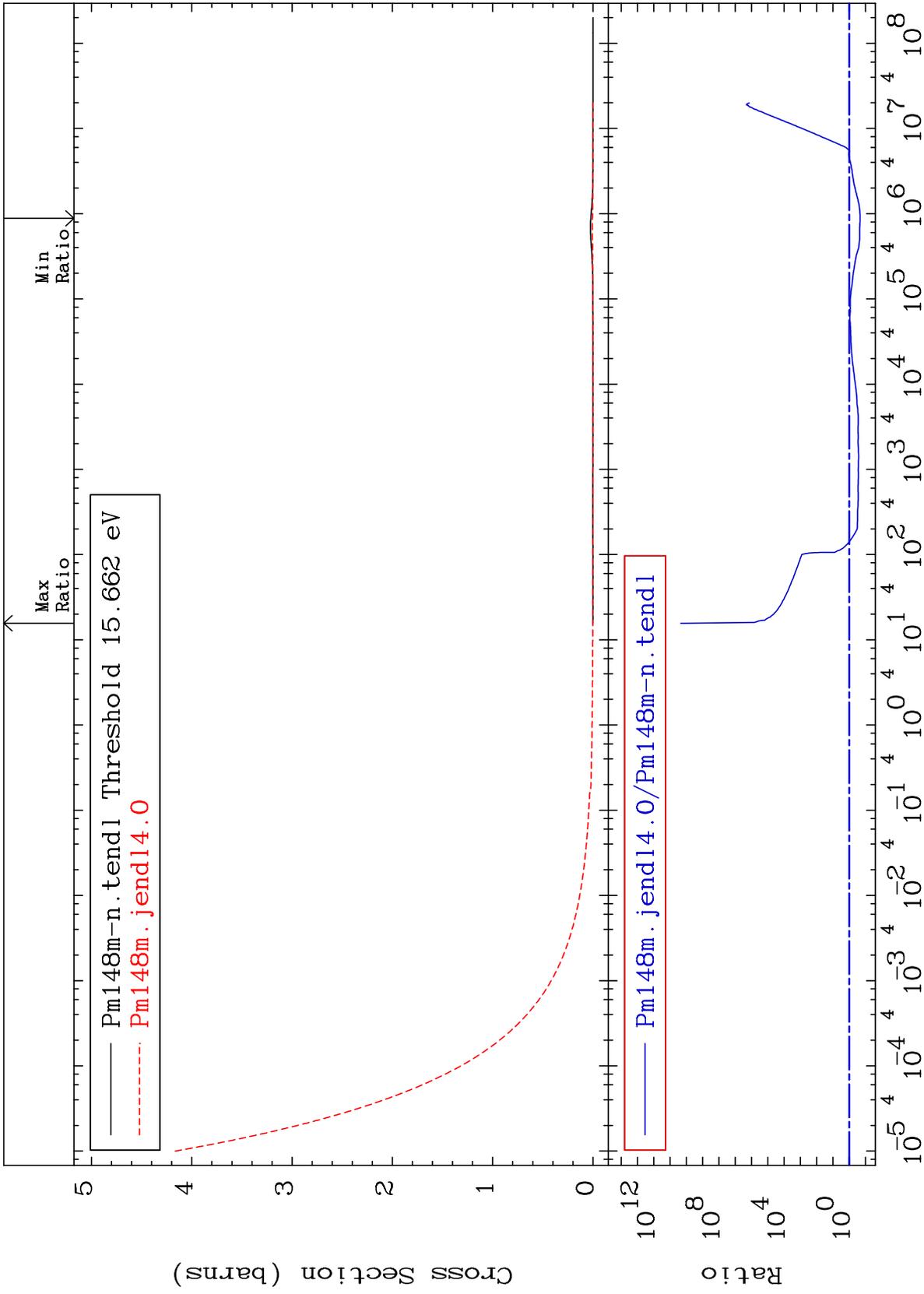
61-Pm-148  
-99.36 To 778.5 %



MAT 6153

0.000 keV (n,n') Level  
Cross Section

61-Pm-148  
-78.39 To 9999. %



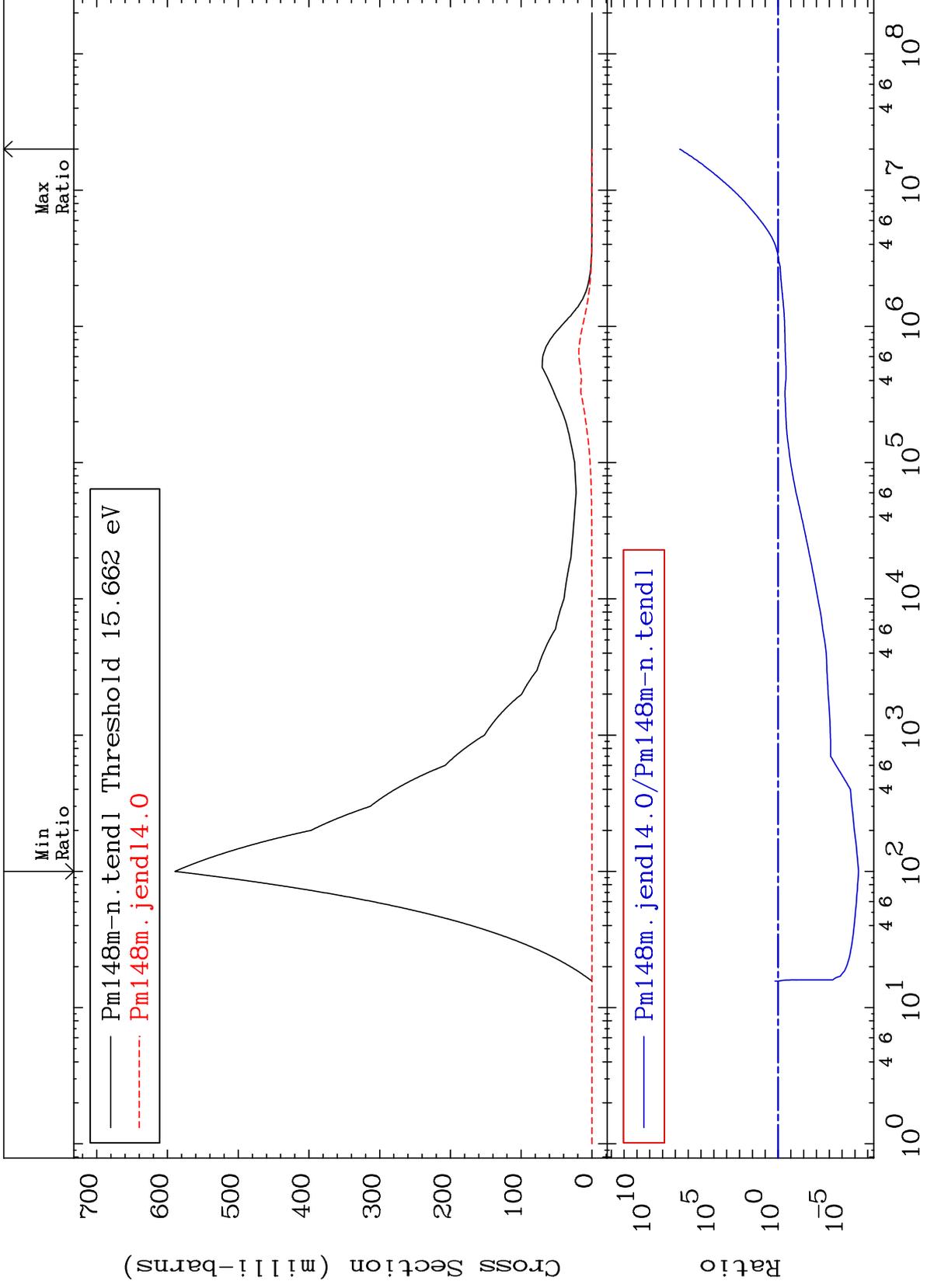
12

61-Pm-148

MAT 6153

75.70 keV (n,n') Level  
Cross Section

61-Pm-148  
-100.0 To 9999. %

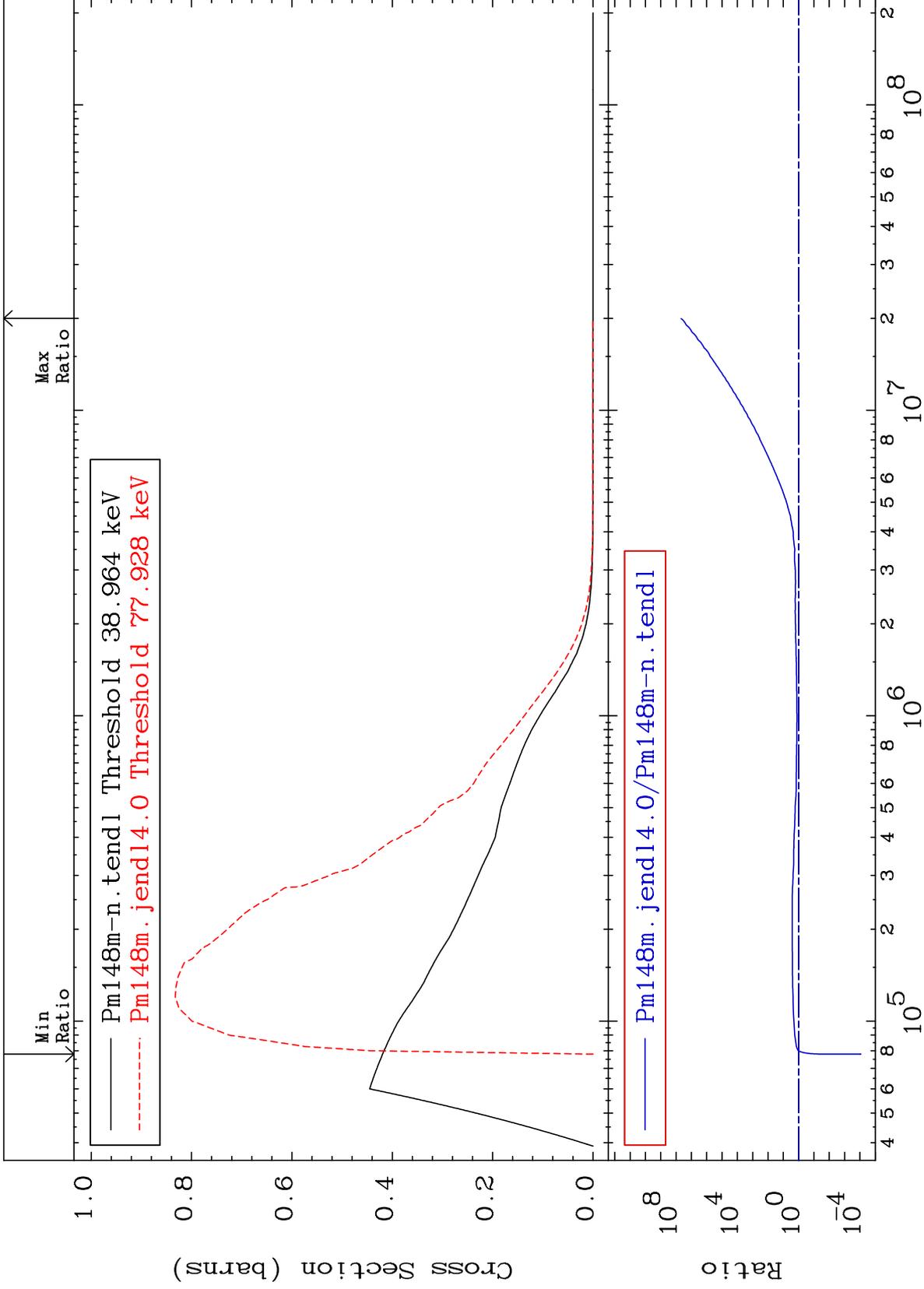




MAT 6153

215.3 keV (n,n') Level  
Cross Section

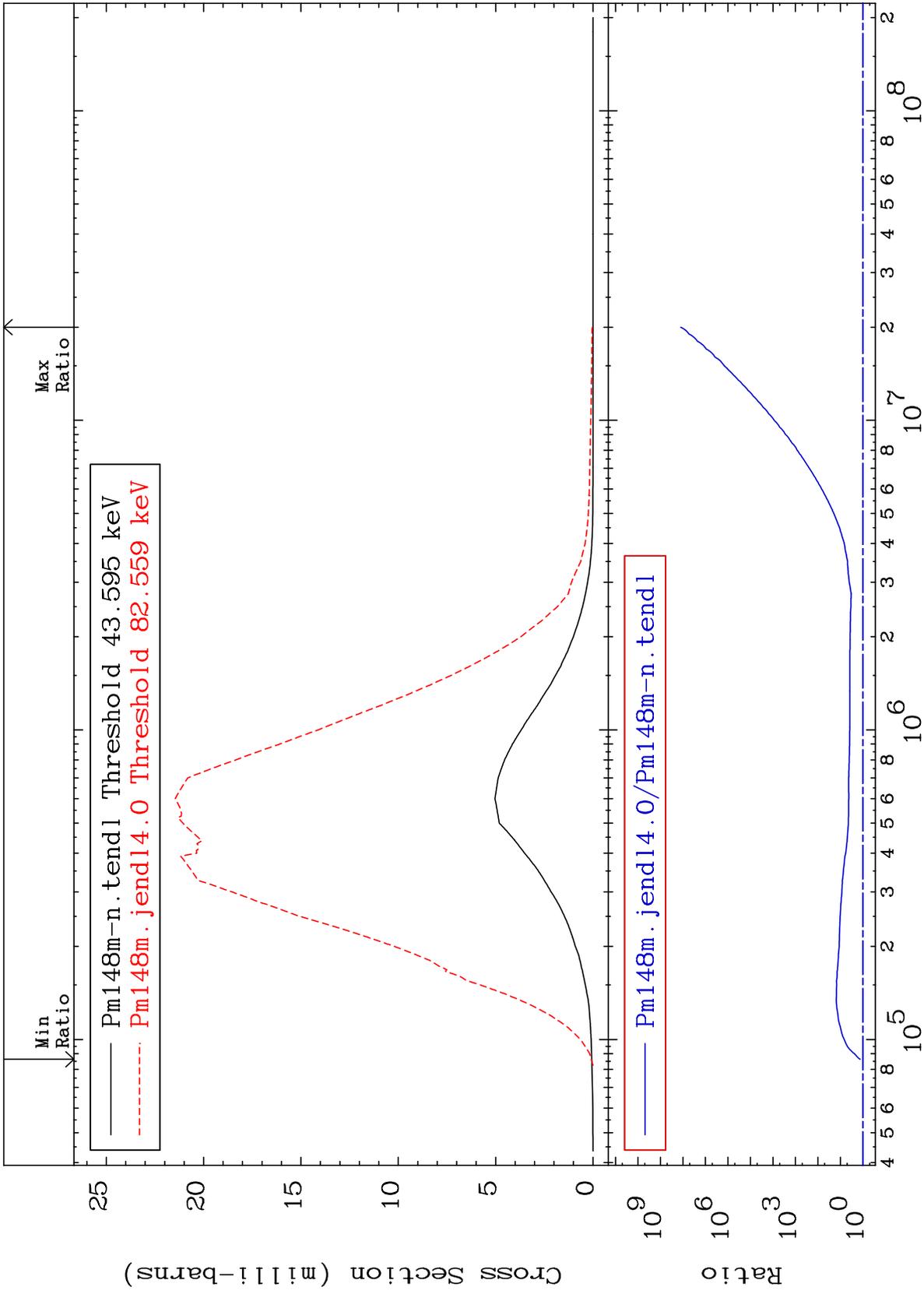
61-Pm-148  
-99.99 To 9999. %



MAT 6153

219.9 keV (n,n') Level  
Cross Section

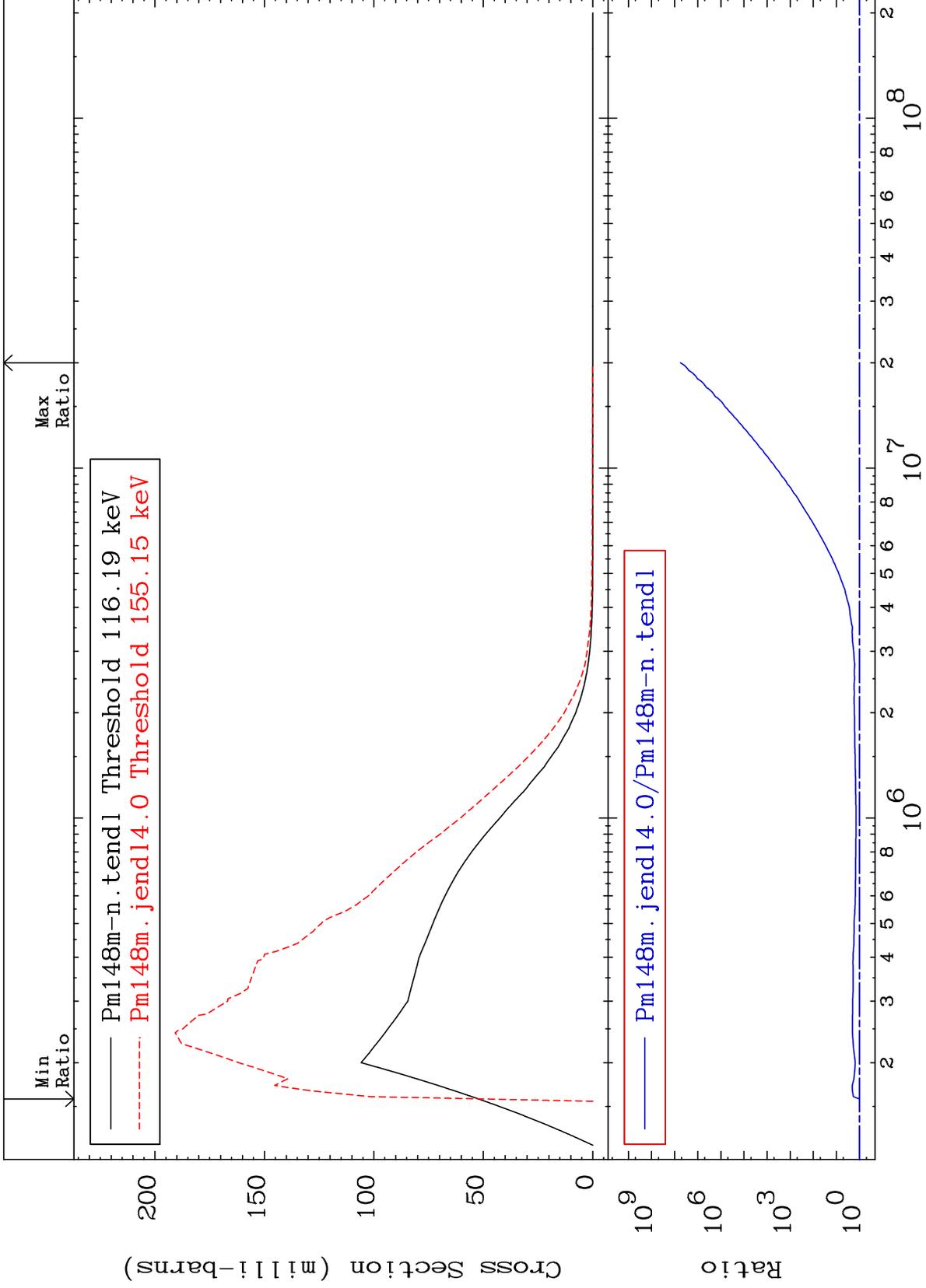
61-Pm-148  
33.03 To 9999. %



MAT 6153

292.0 keV (n,n') Level  
Cross Section

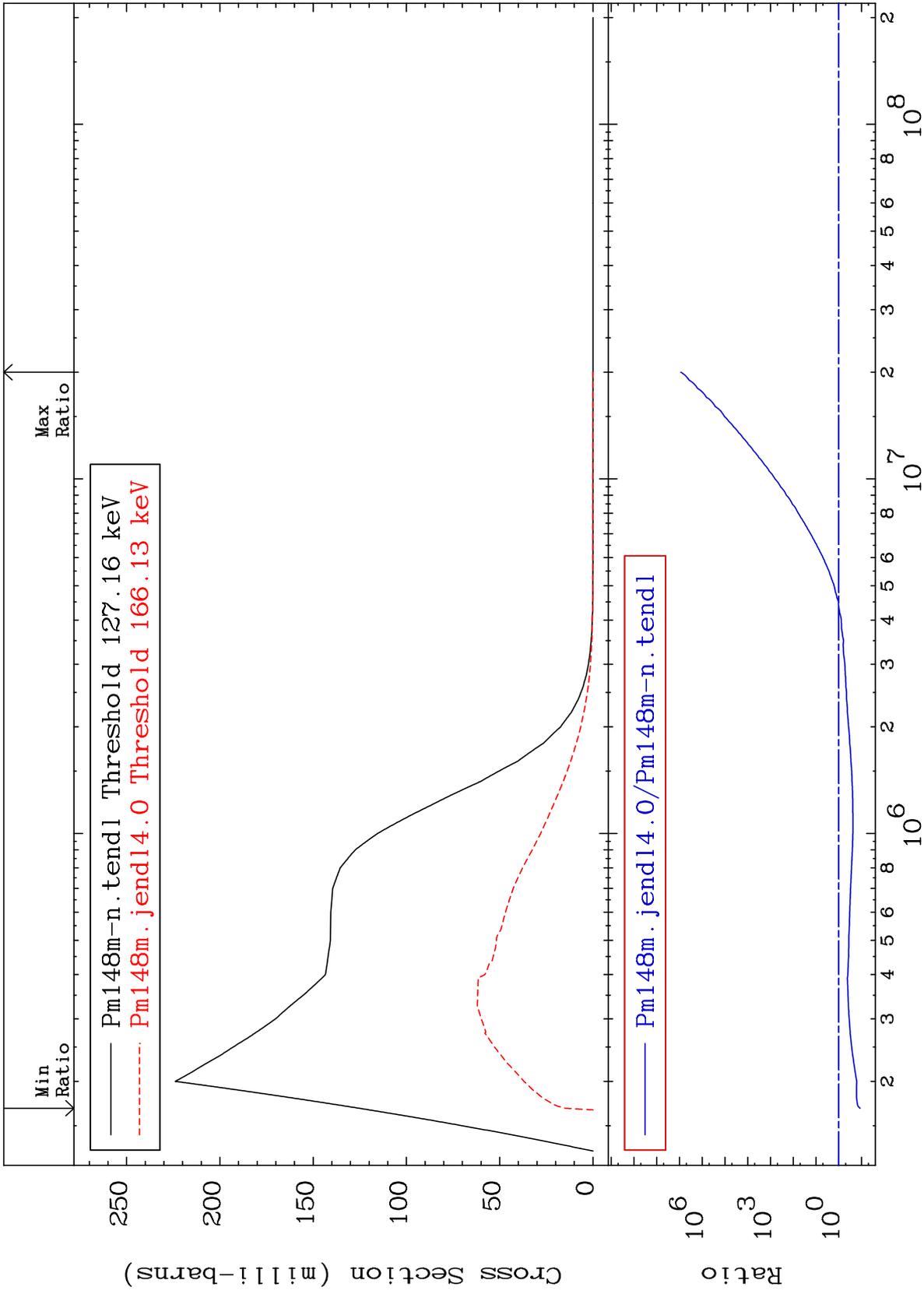
61-Pm-148  
-2.476 To 9999. %



MAT 6153

302.9 keV (n,n') Level  
Cross Section

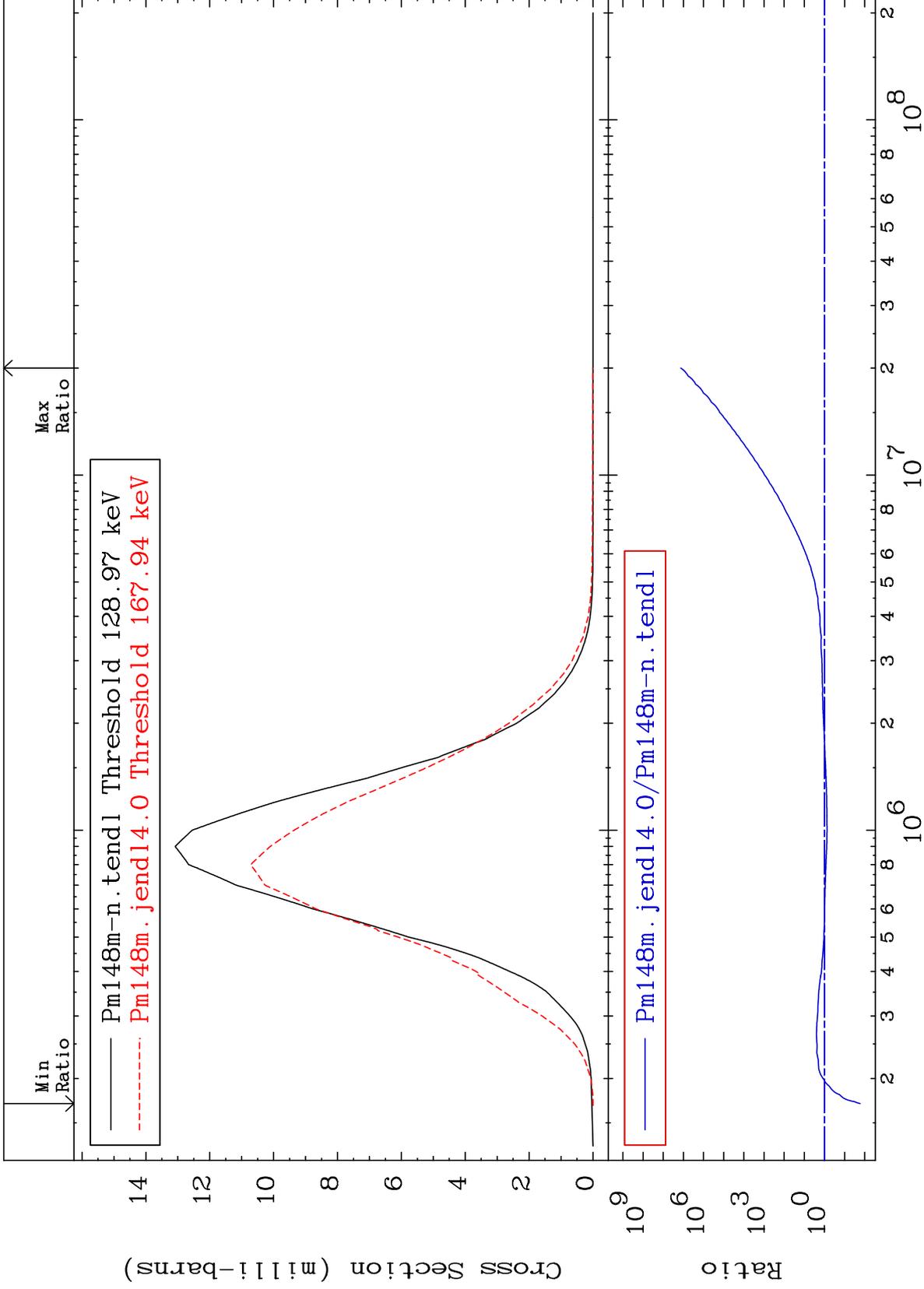
61-Pm-148  
-88.29 To 9999. %



MAT 6153

304.7 keV (n,n') Level  
Cross Section

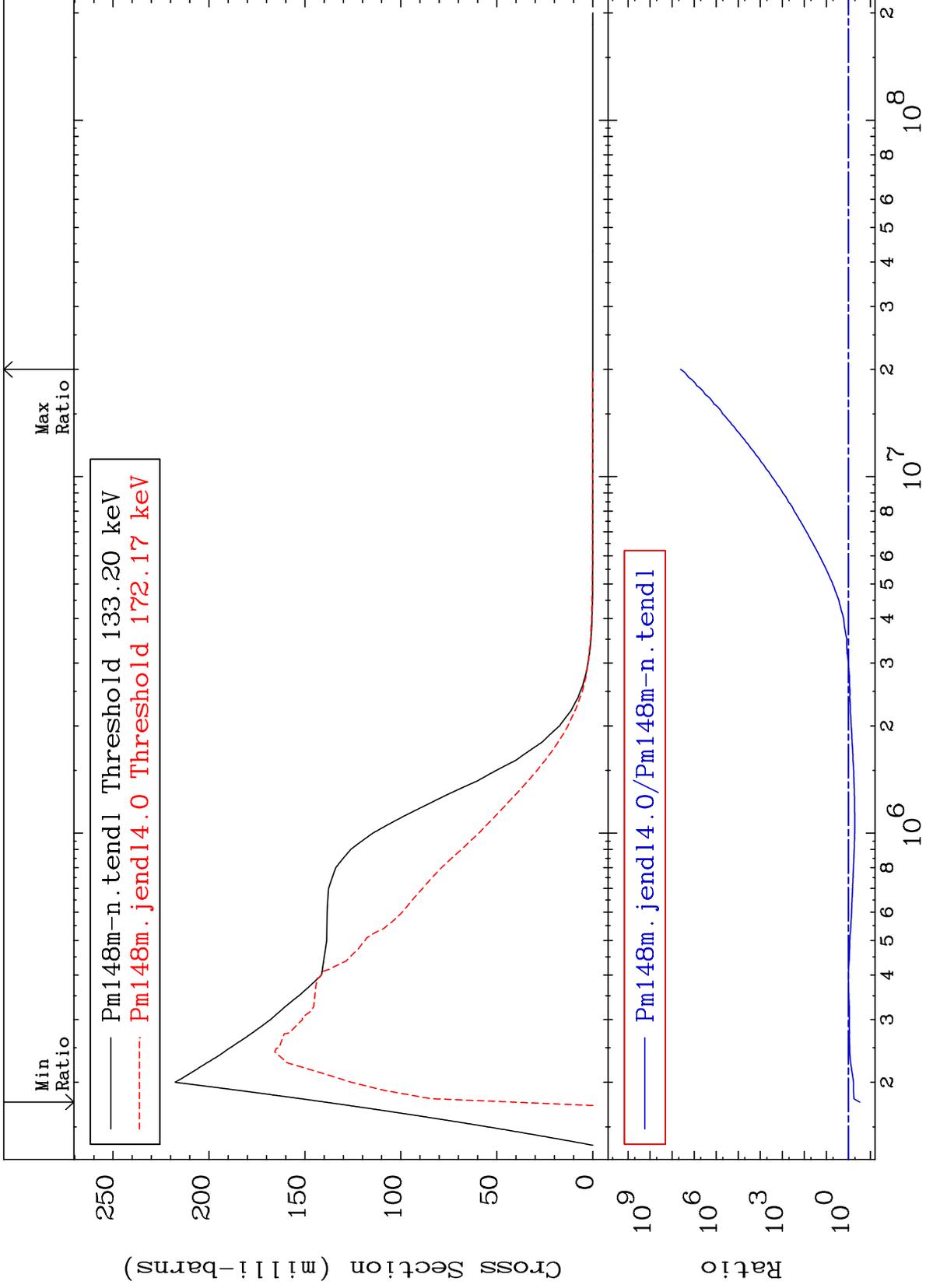
61-Pm-148  
-98.29 To 9999. %



MAT 6153

308.9 keV (n,n') Level  
Cross Section

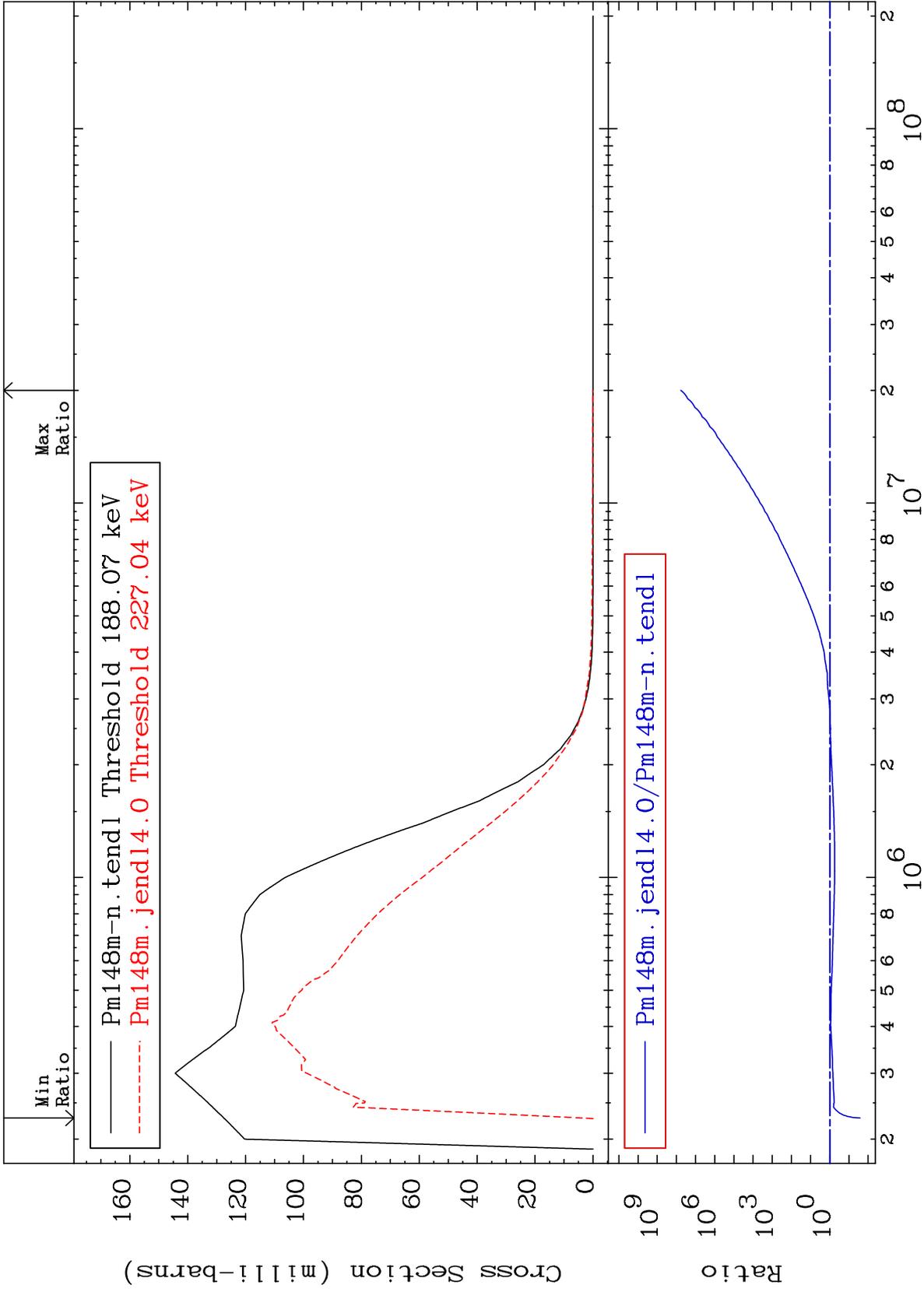
61-Pm-148  
-69.64 To 9999. %



MAT 6153

363.4 keV (n,n') Level  
Cross Section

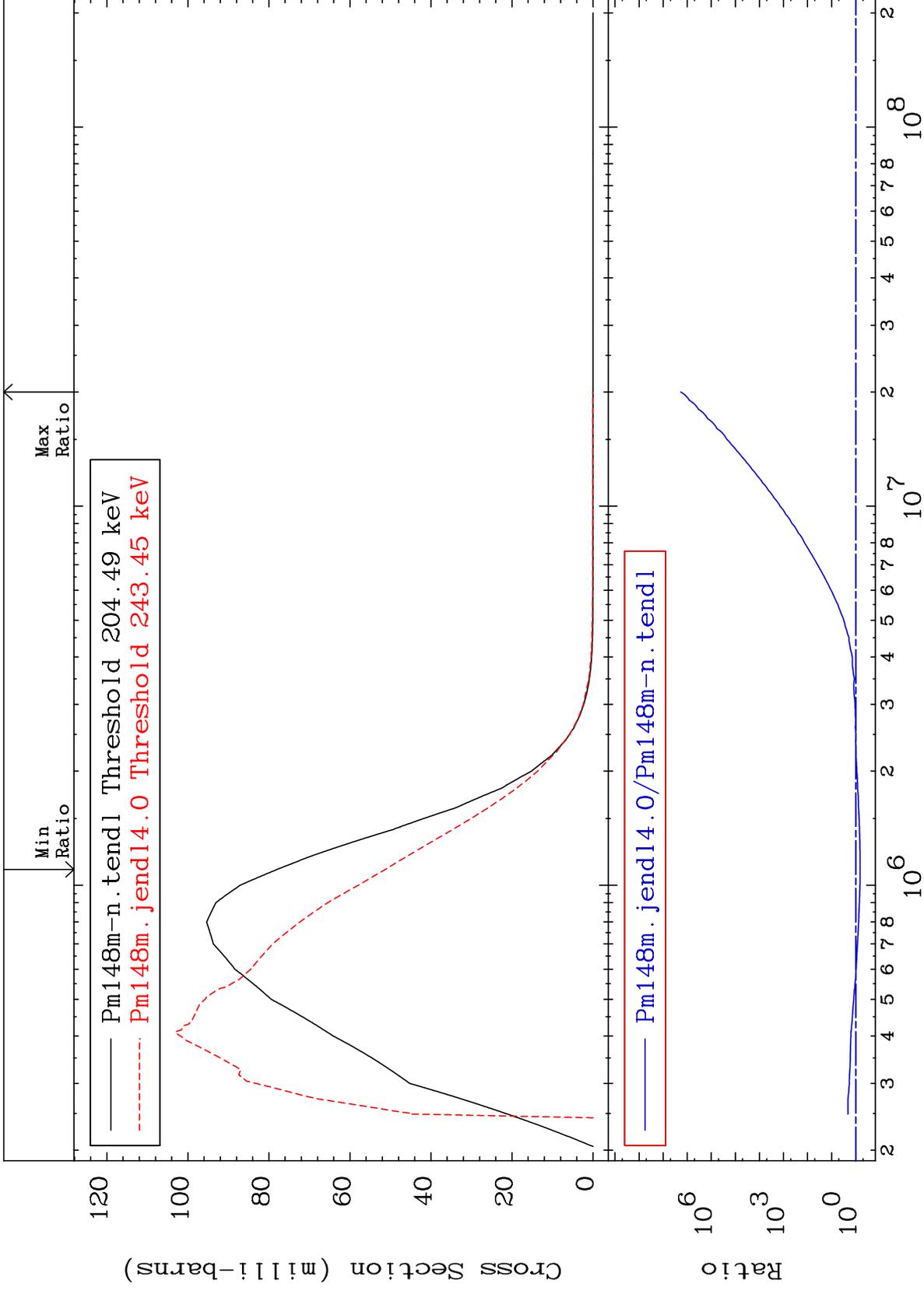
61-Pm-148  
-97.38 To 9999. %



MAT 6153

379.7 keV (n,n') Level  
Cross Section

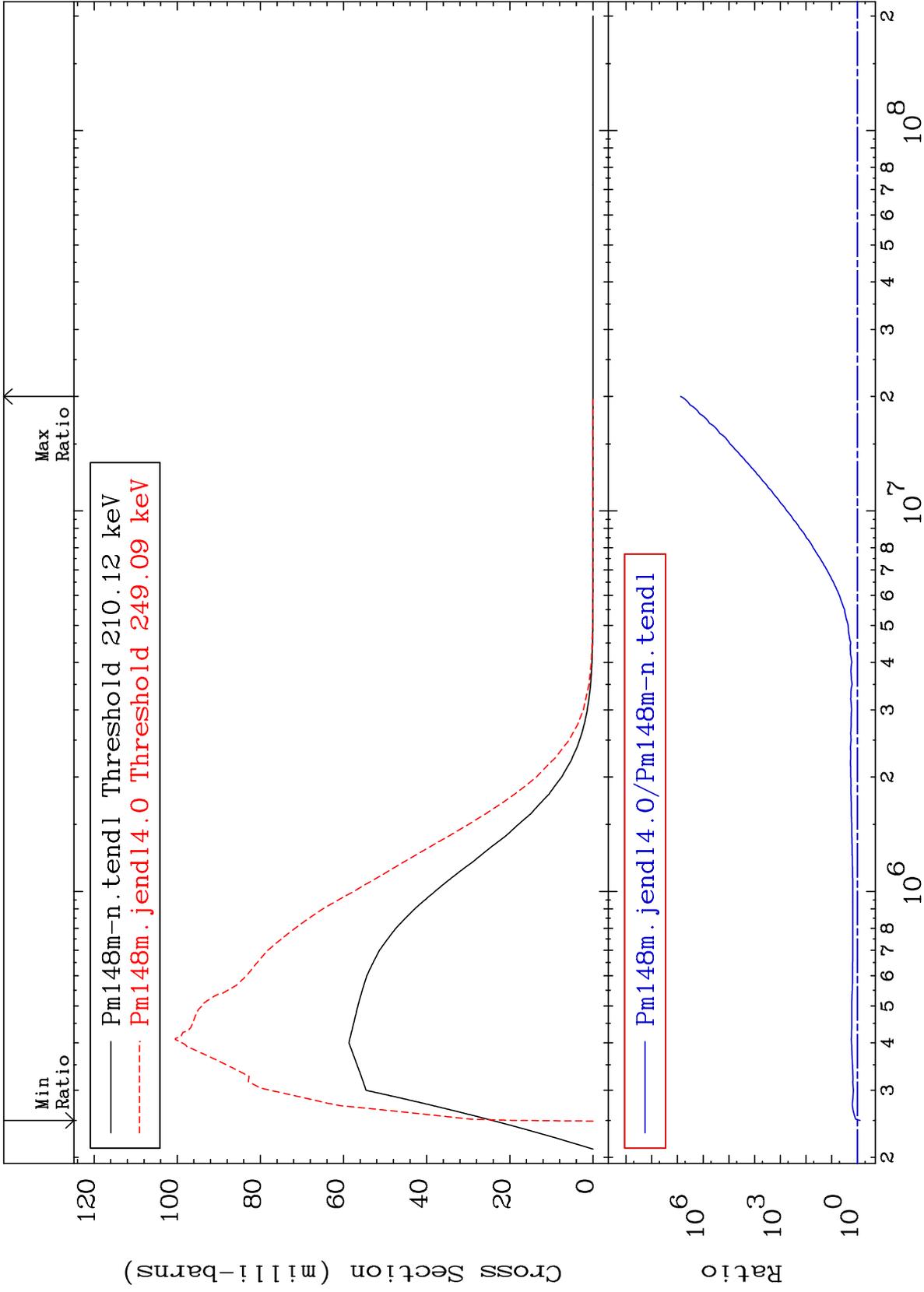
61-Pm-148  
-34.24 To 9999. %



MAT 6153

385.3 keV (n,n') Level  
Cross Section

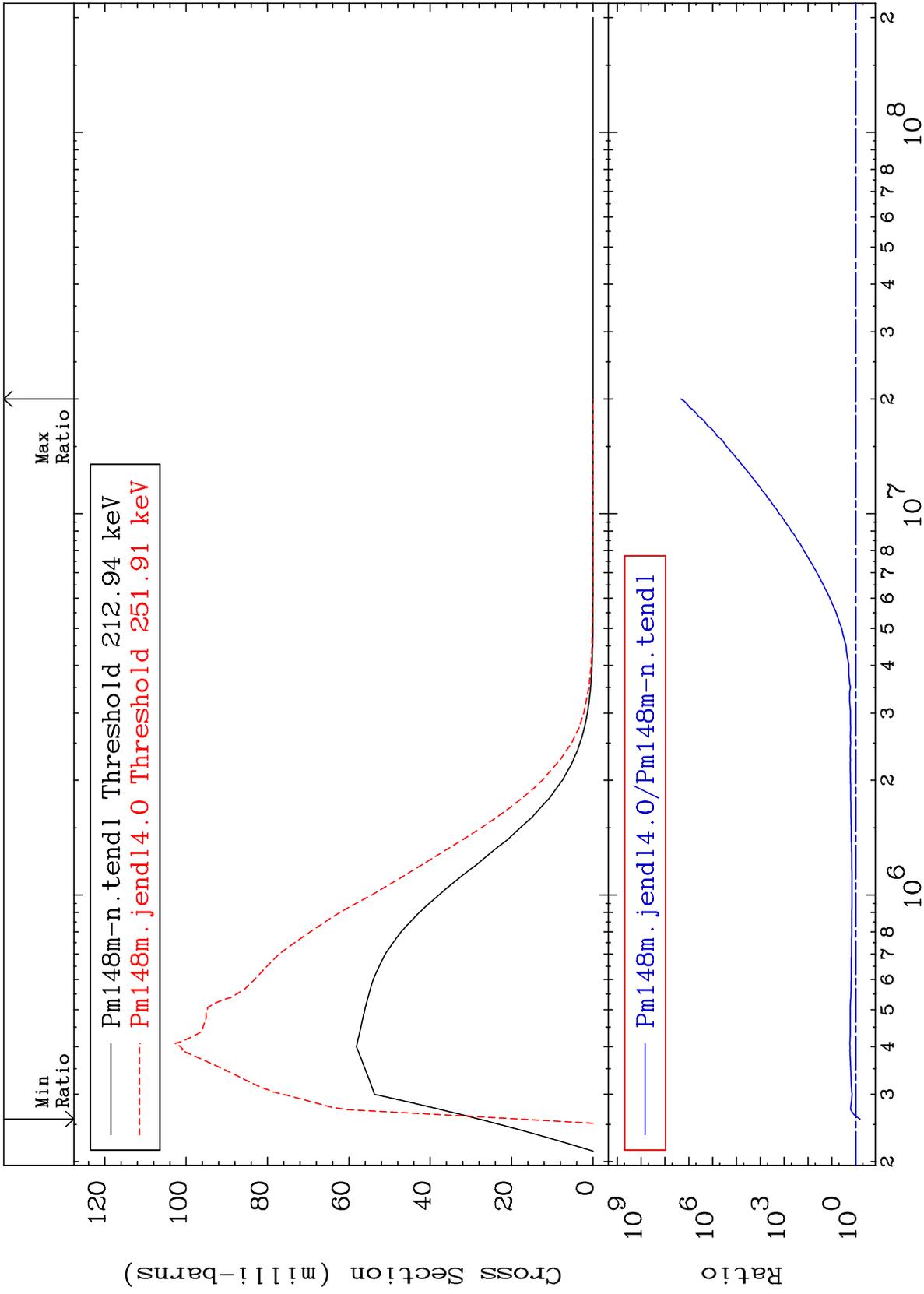
61-Pm-148  
-21.41 To 9999. %



MAT 6153

388.1 keV (n,n') Level  
Cross Section

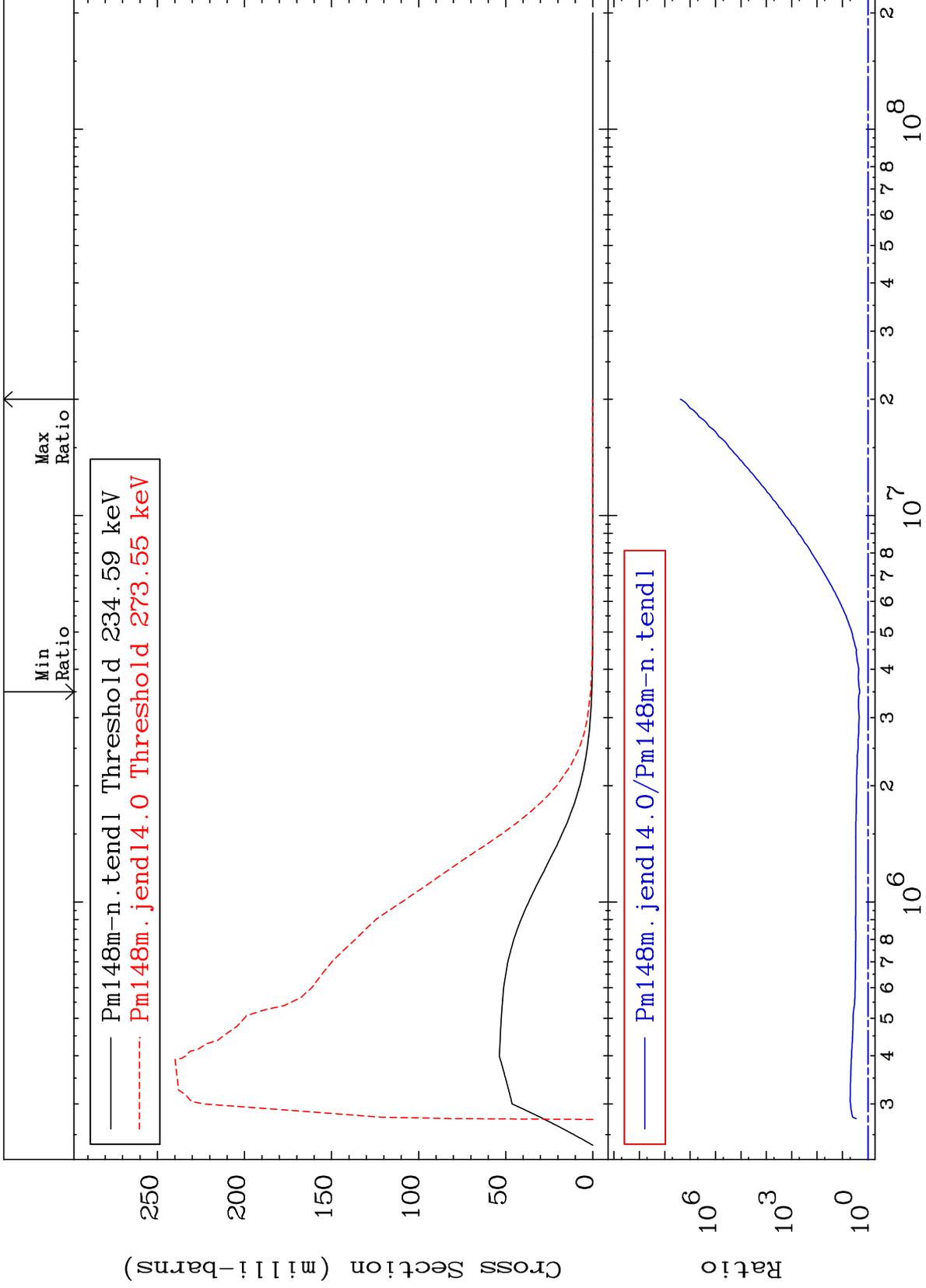
61-Pm-148  
-34.43 To 9999. %



MAT 6153

409.6 keV (n,n') Level  
Cross Section

61-Pm-148  
108.2 To 9999. %



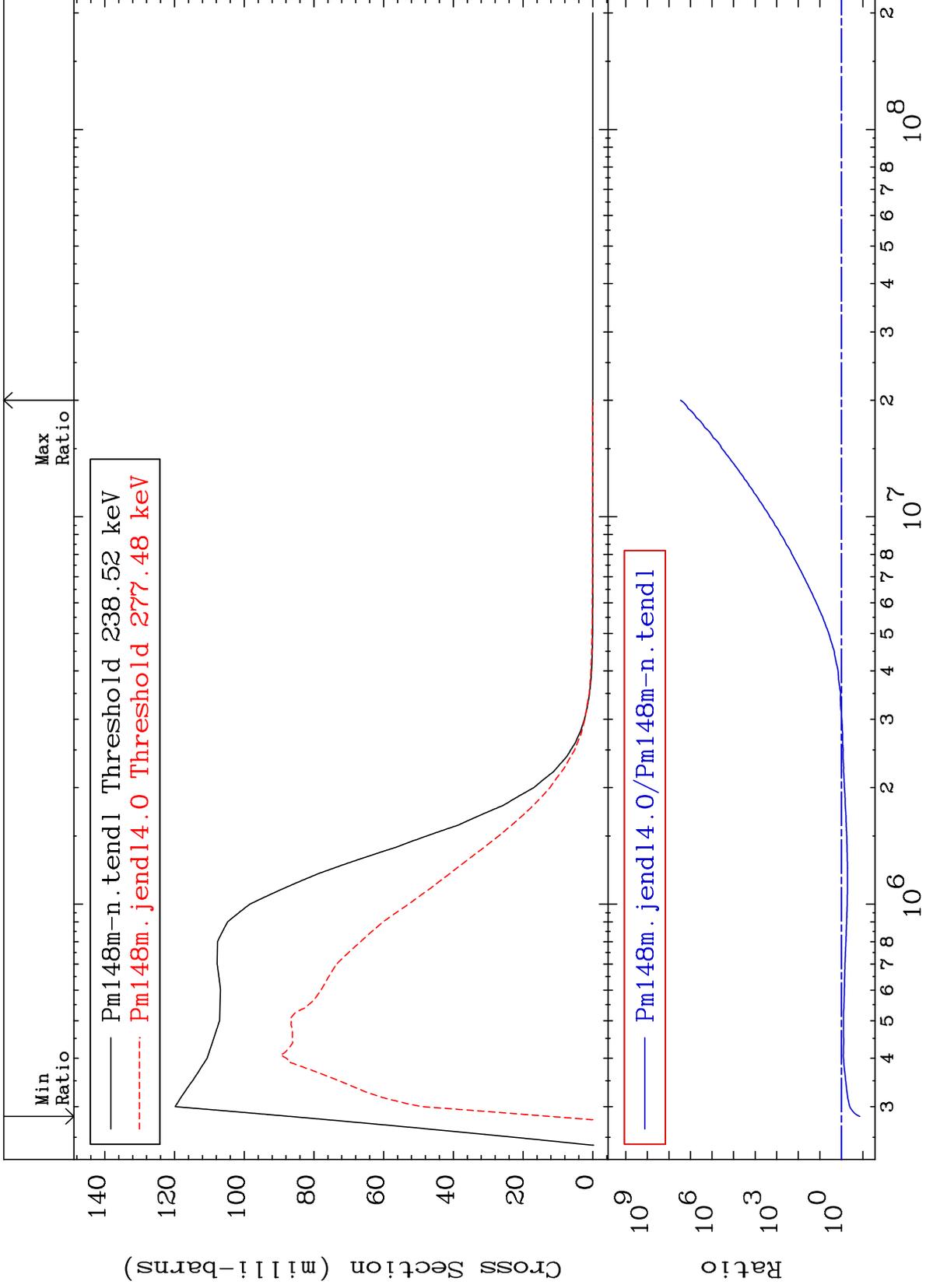
25

61-Pm-148

MAT 6153

413.5 keV (n,n') Level  
Cross Section

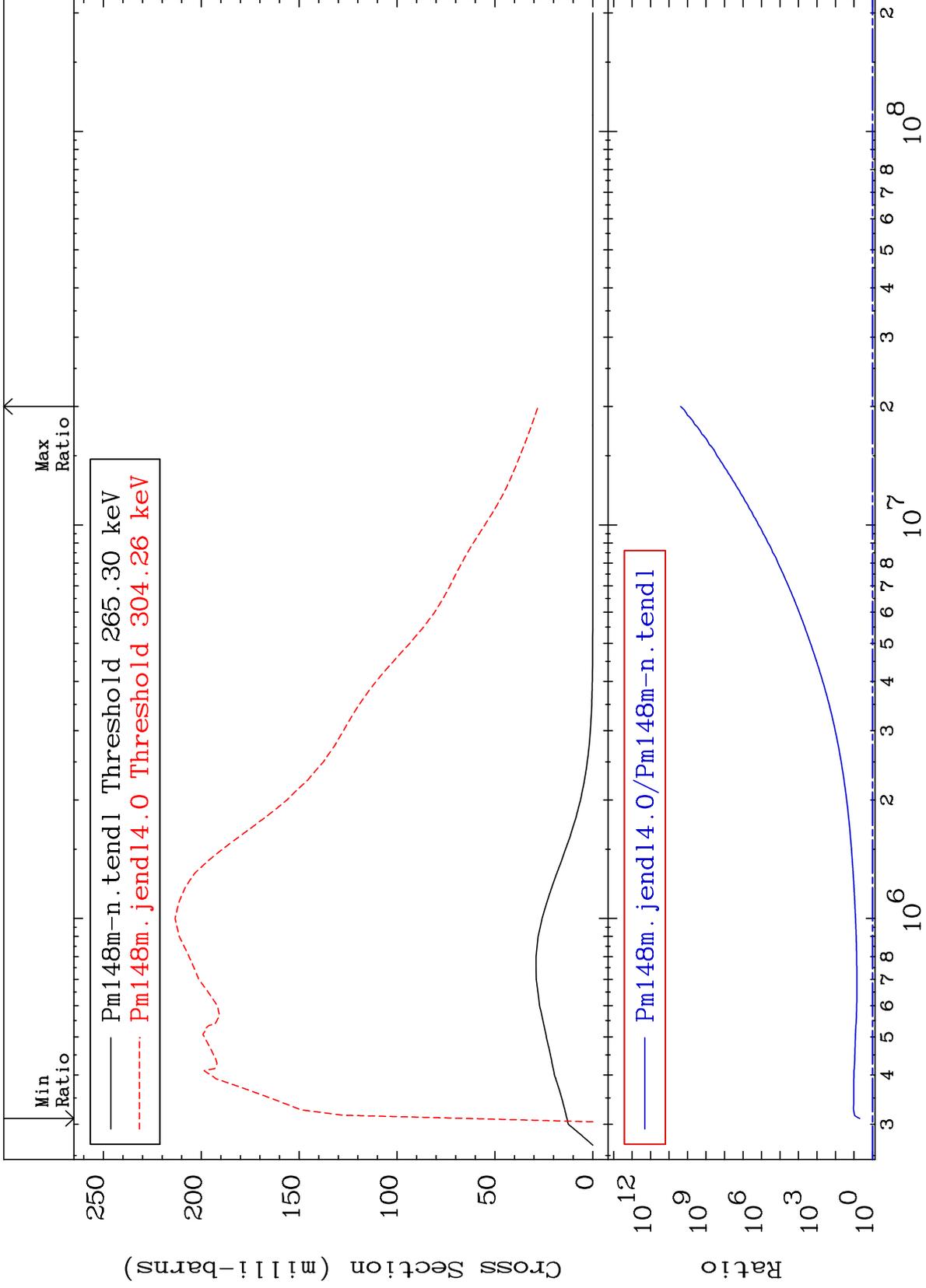
61-Pm-148  
-85.92 To 9999. %



MAT 6153

440.1 keV (n,n') Level  
Cross Section

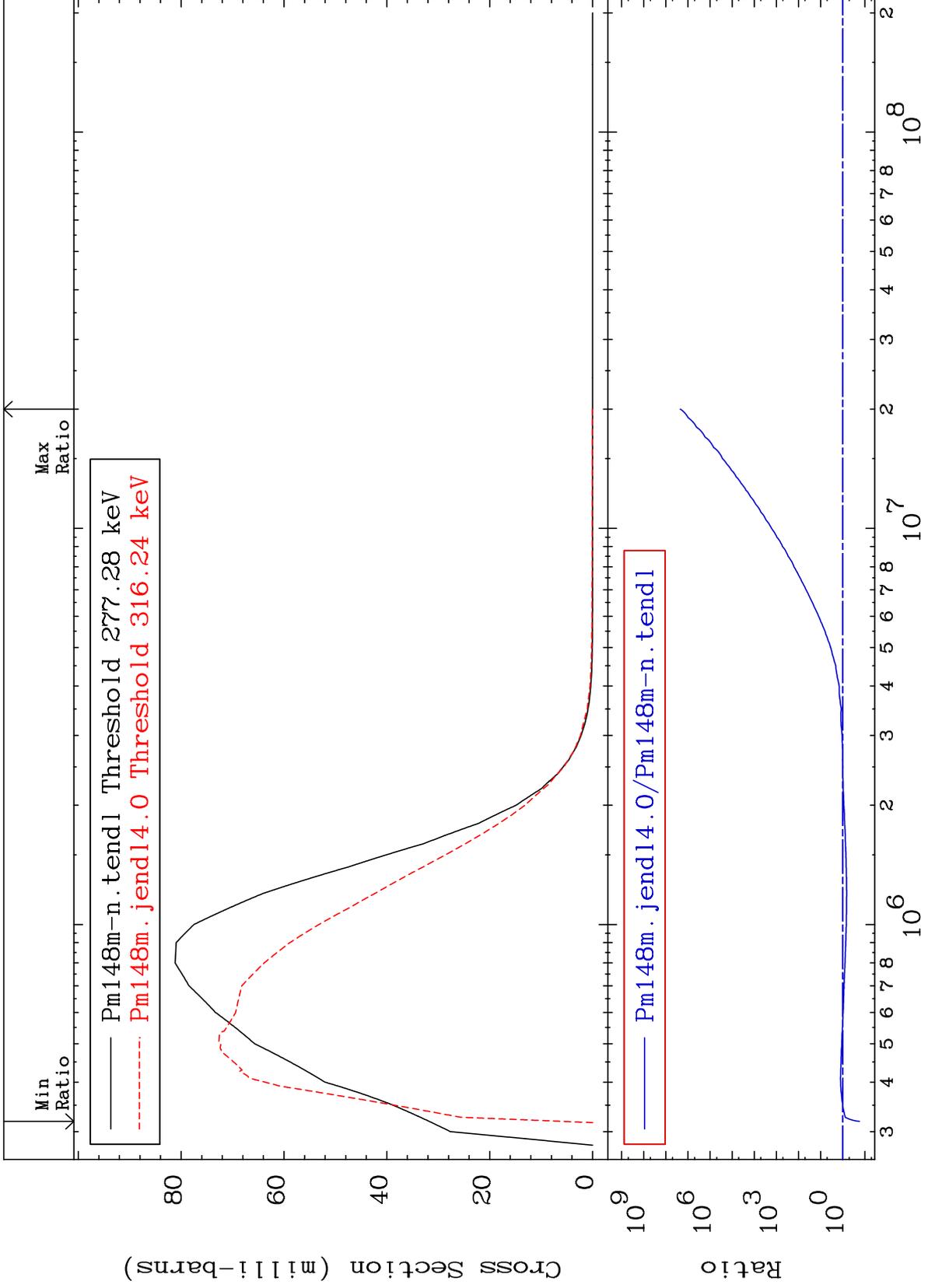
61-Pm-148  
383.9 To 9999. %



MAT 6153

452.0 keV (n,n') Level  
Cross Section

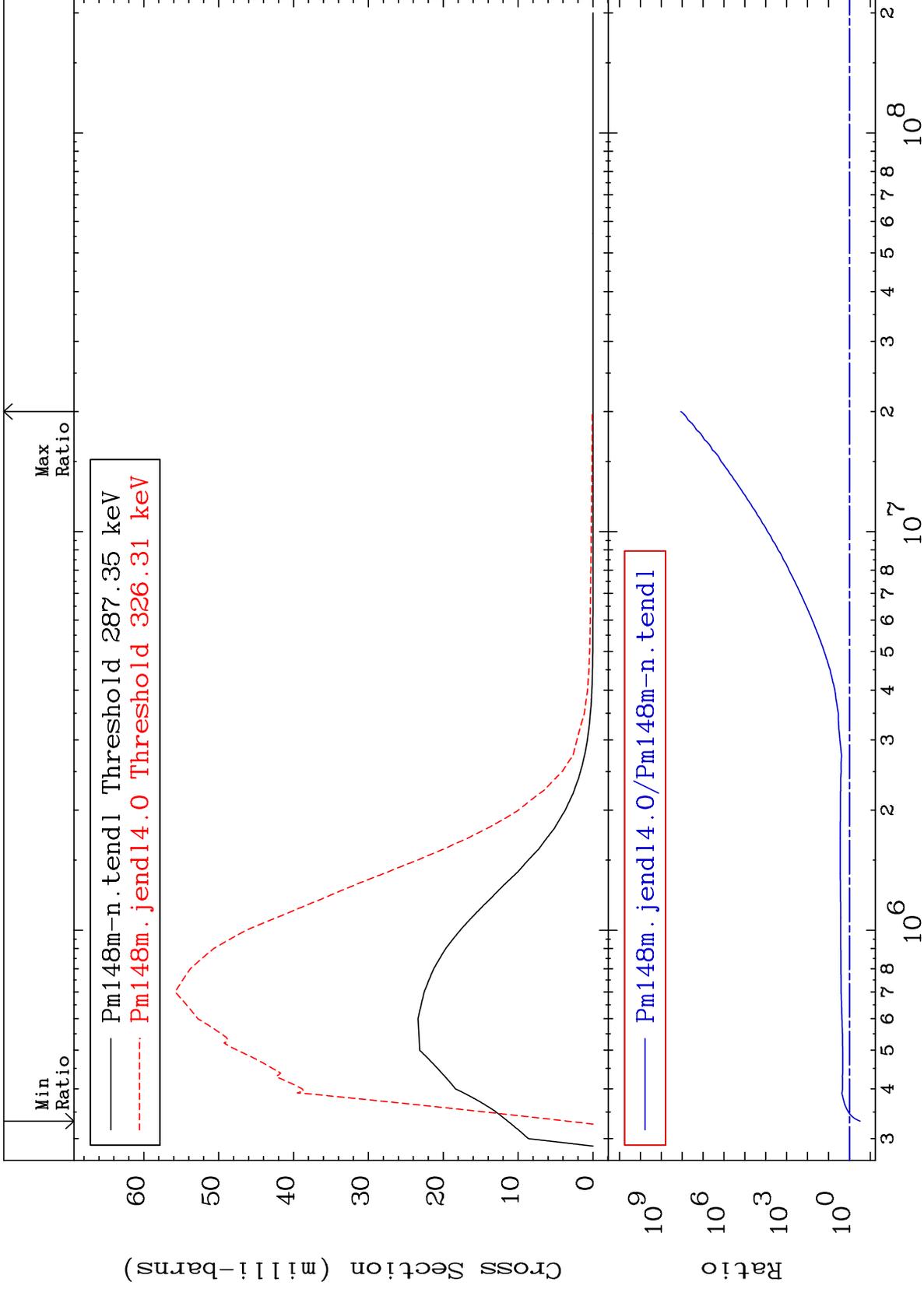
61-Pm-148  
-82.59 To 9999. %



MAT 6153

462.0 keV (n,n') Level  
Cross Section

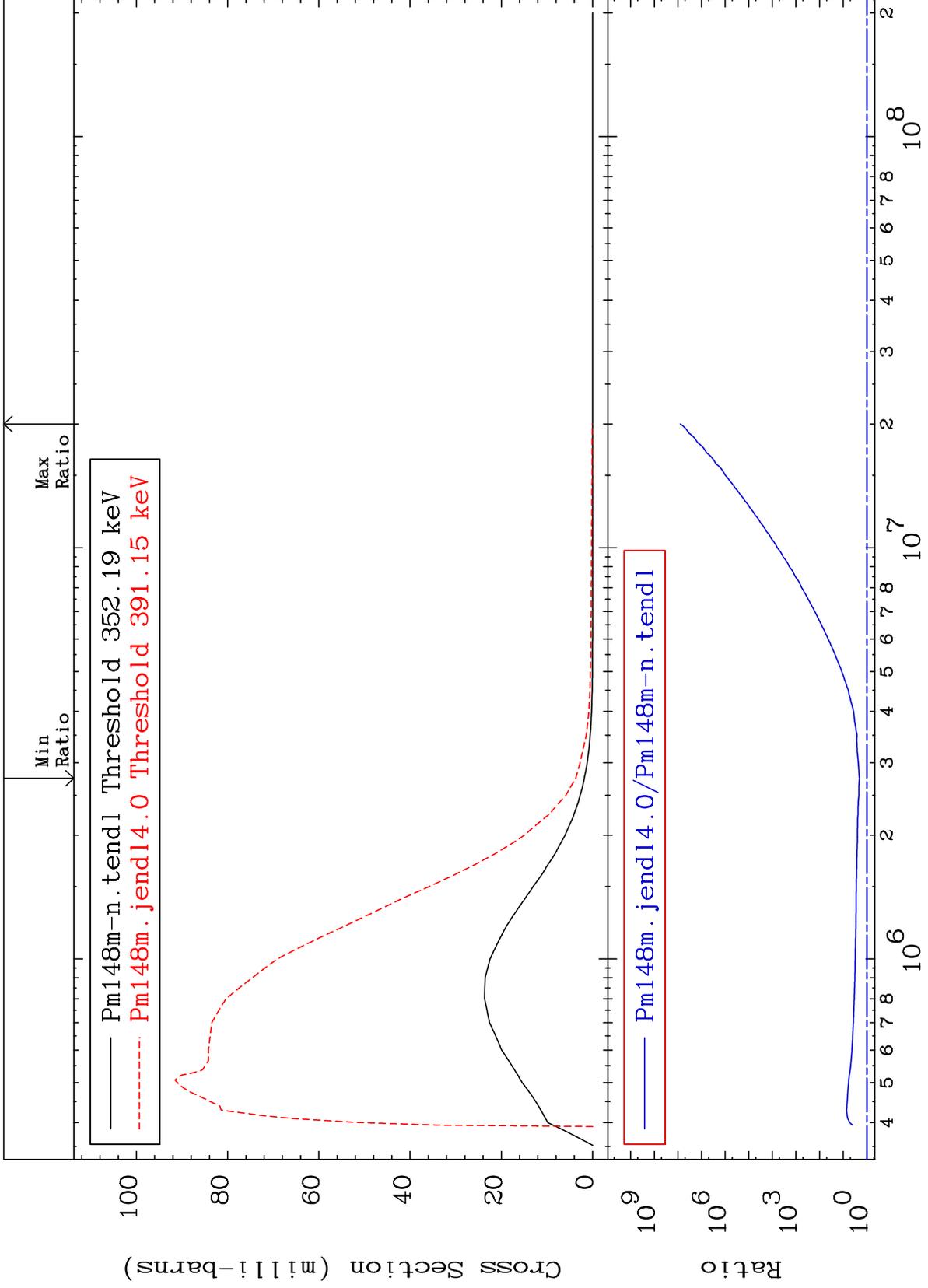
61-Pm-148  
-69.39 To 9999. %



MAT 6153

526.4 keV (n,n') Level  
Cross Section

61-Pm-148  
102.9 To 9999. %



30

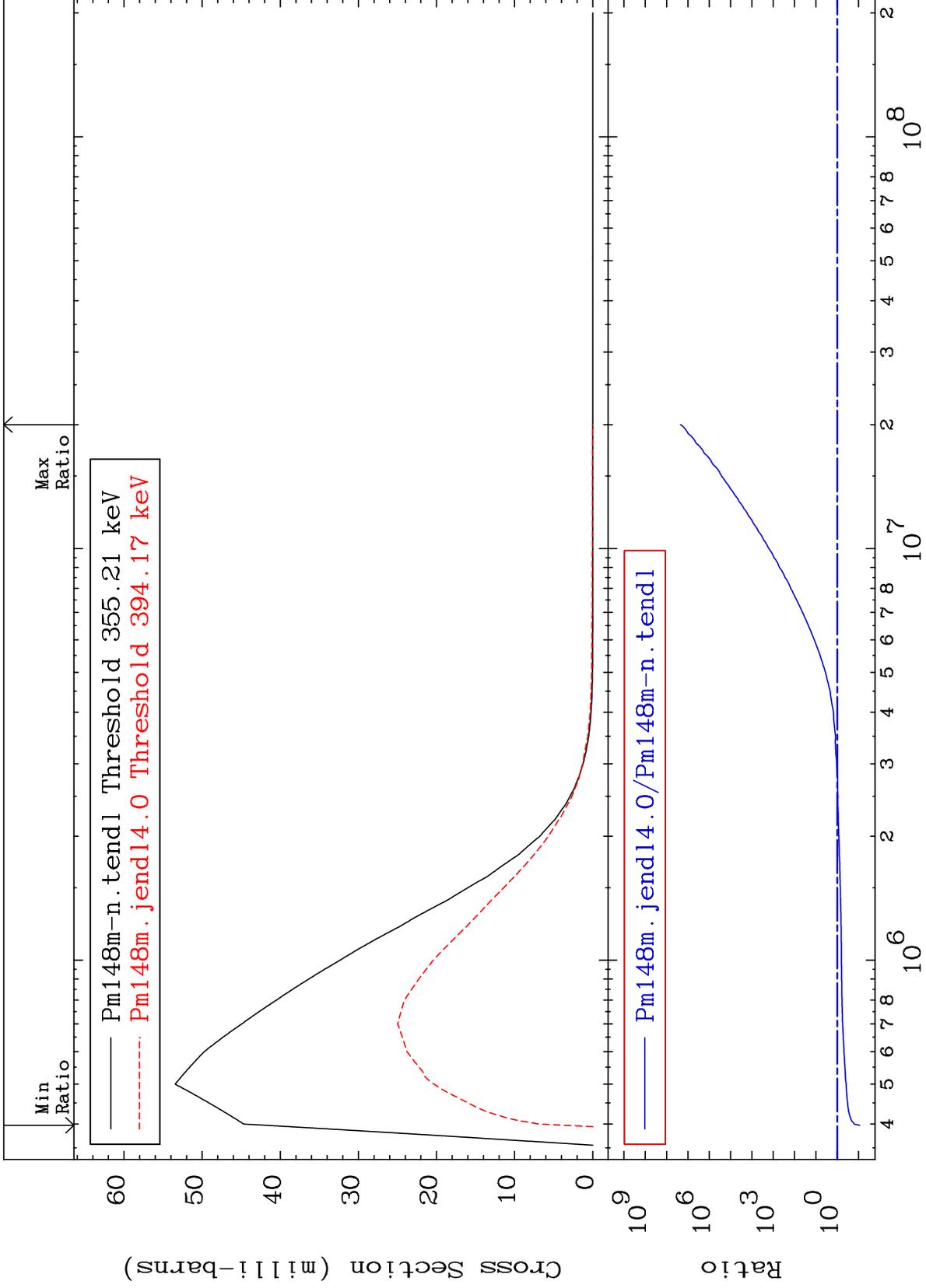
Incident Energy (eV)

61-Pm-148

MAT 6153

529.4 keV (n,n') Level  
Cross Section

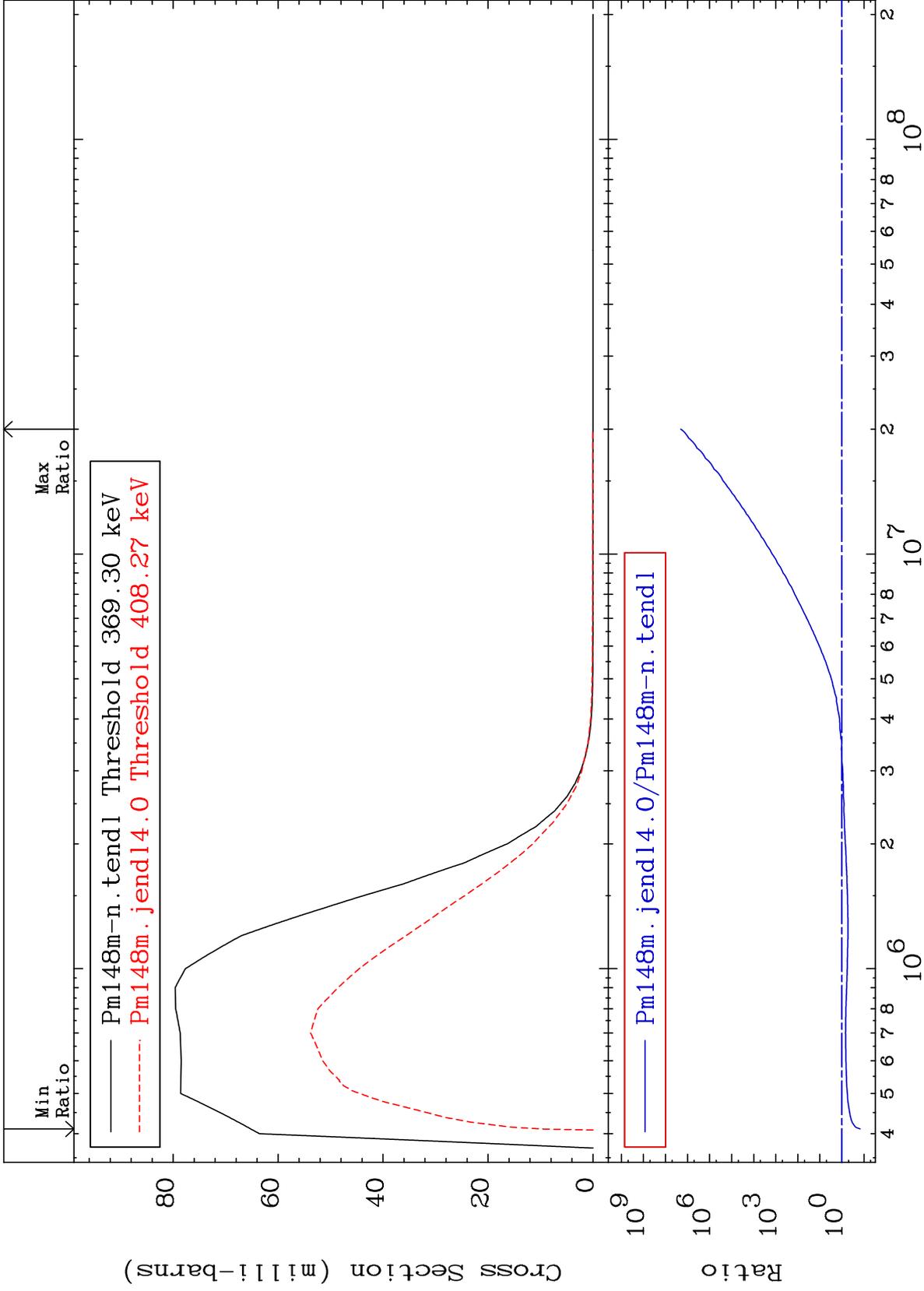
61-Pm-148  
-91.31 To 9999. %



MAT 6153

543.4 keV (n,n') Level  
Cross Section

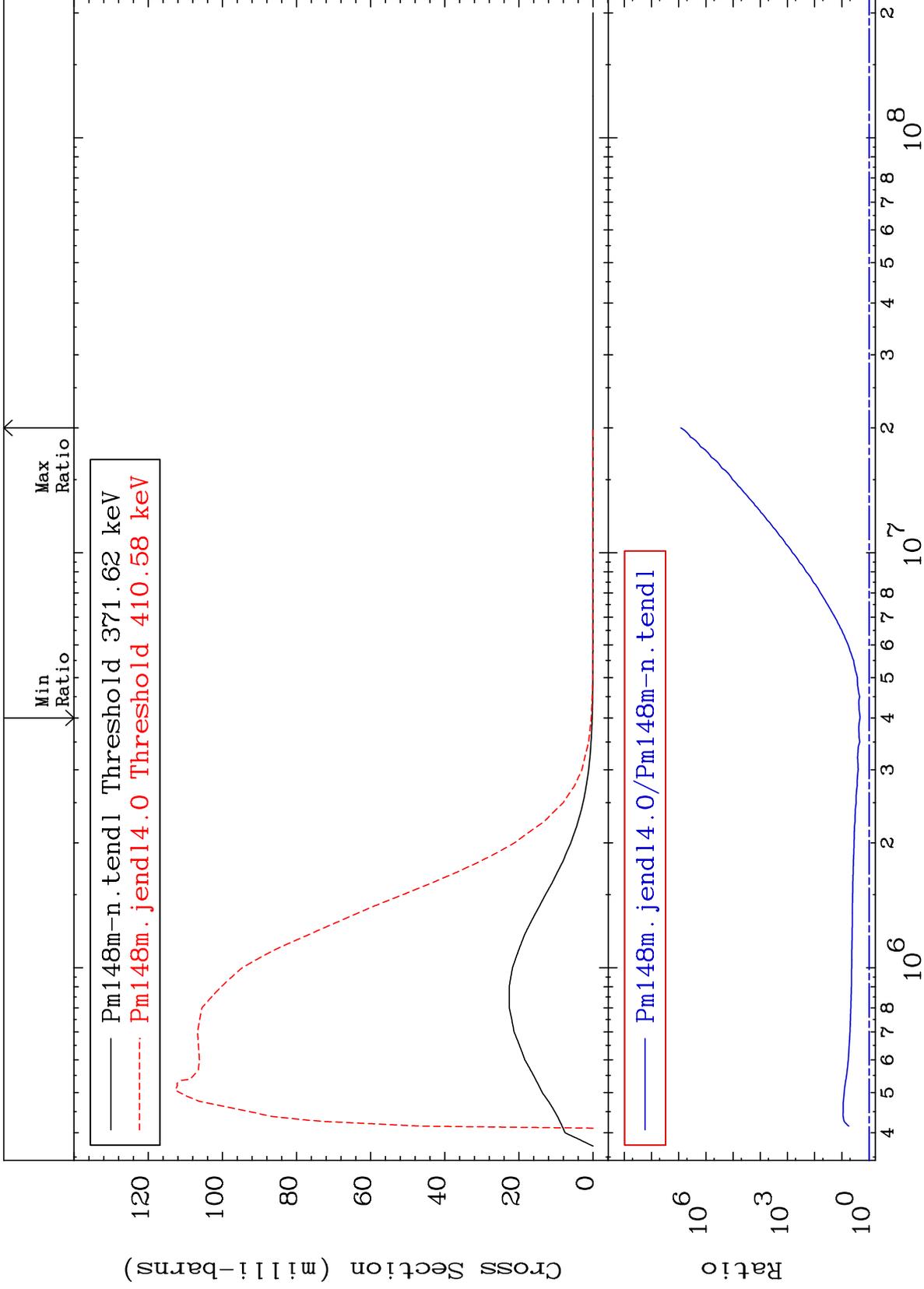
61-Pm-148  
-85.00 To 9999. %



MAT 6153

545.7 keV (n,n') Level  
Cross Section

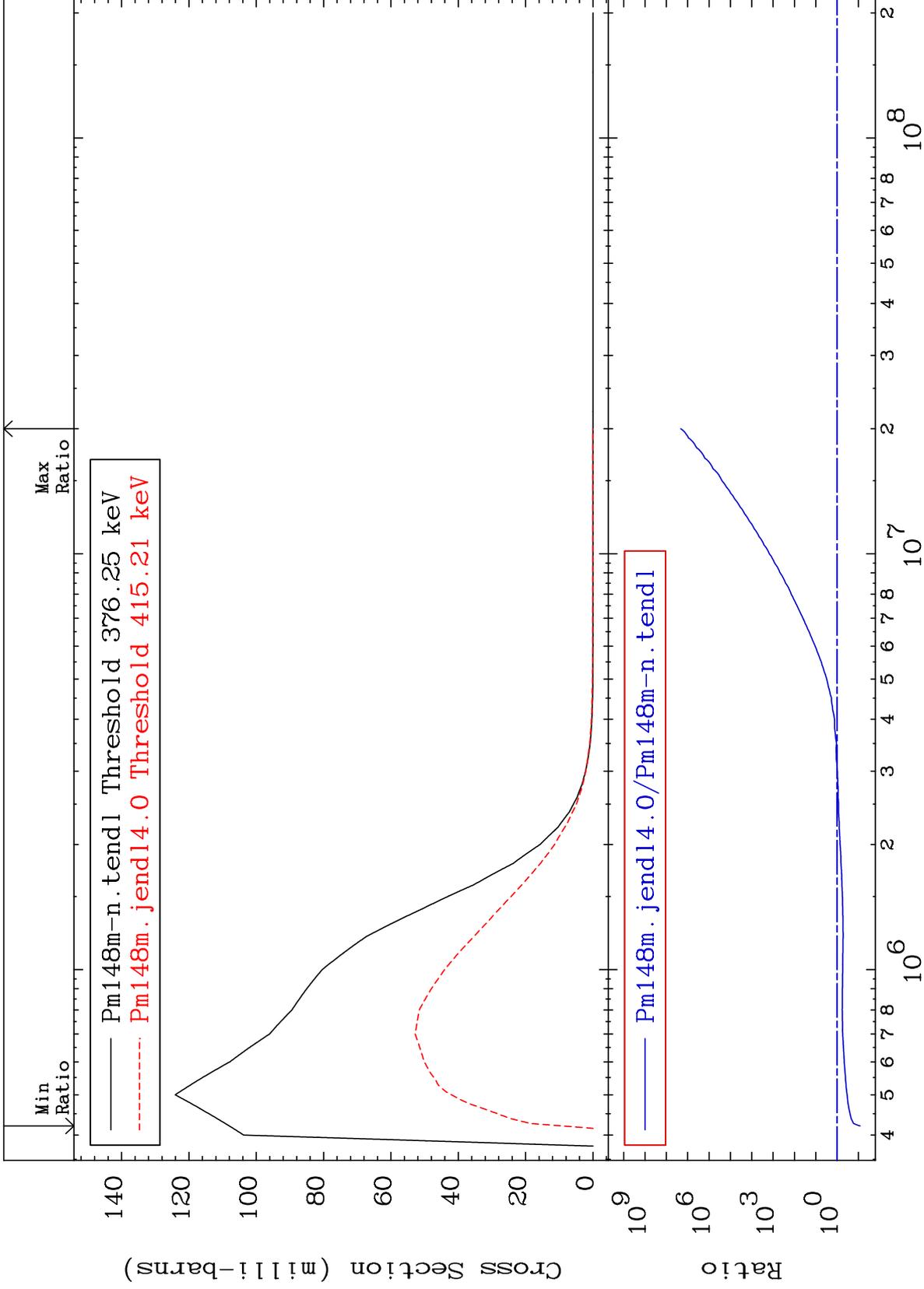
61-Pm-148  
113.2 To 9999. %



MAT 6153

550.3 keV (n,n') Level  
Cross Section

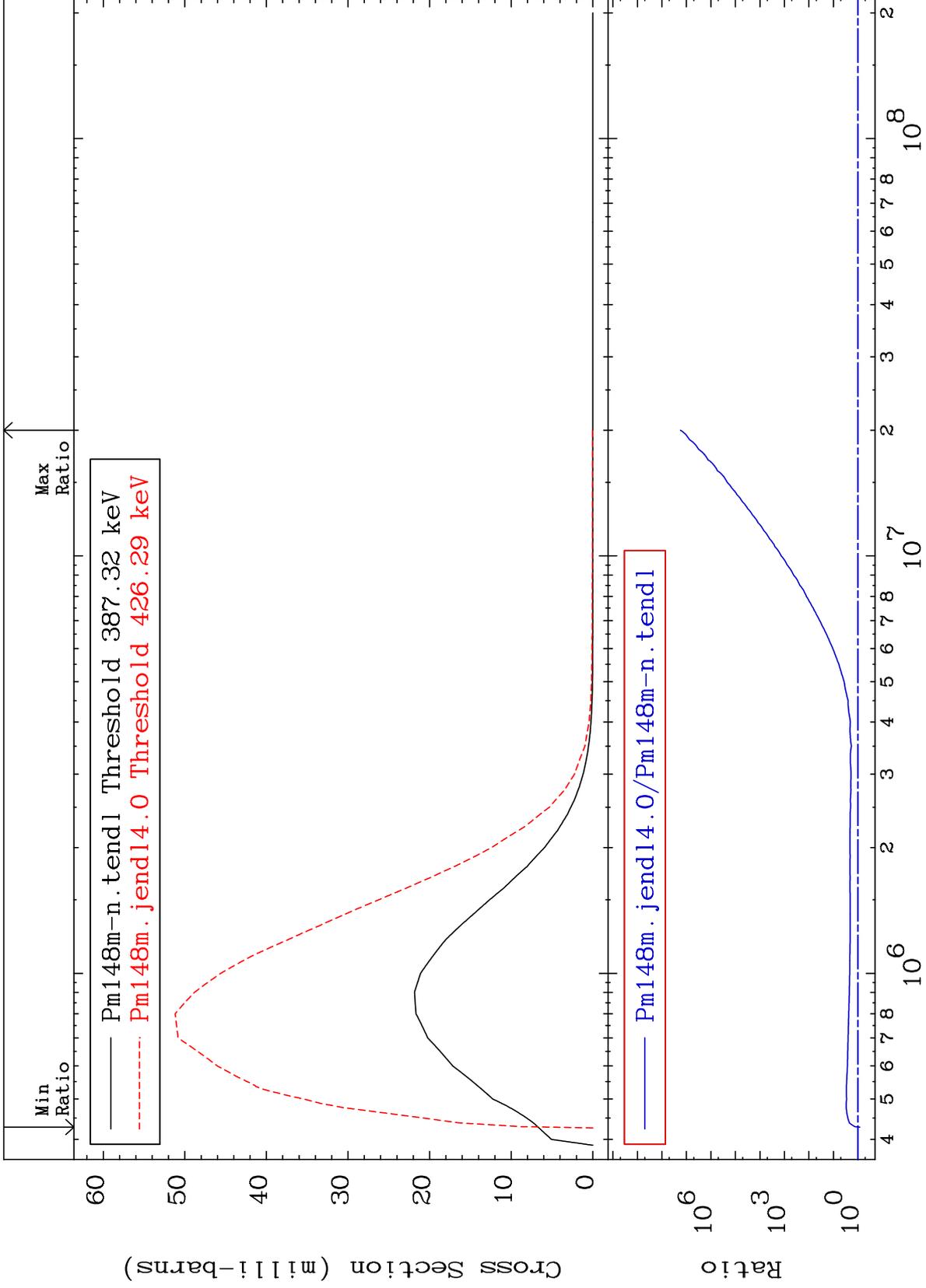
61-Pm-148  
-91.60 To 9999. %



MAT 6153

561.3 keV (n,n') Level  
Cross Section

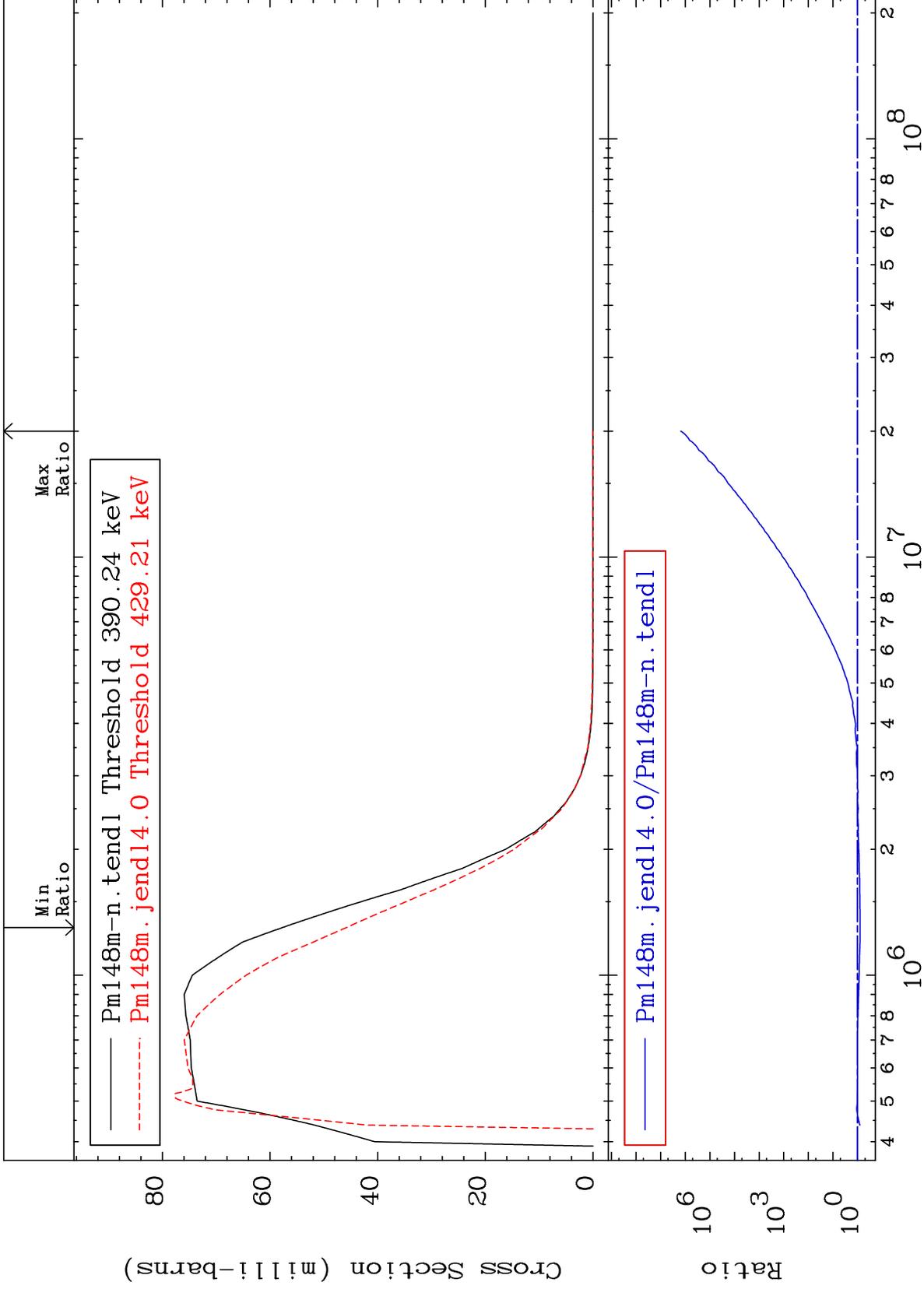
61-Pm-148  
-16.27 To 9999. %



MAT 6153

564.2 keV (n,n') Level  
Cross Section

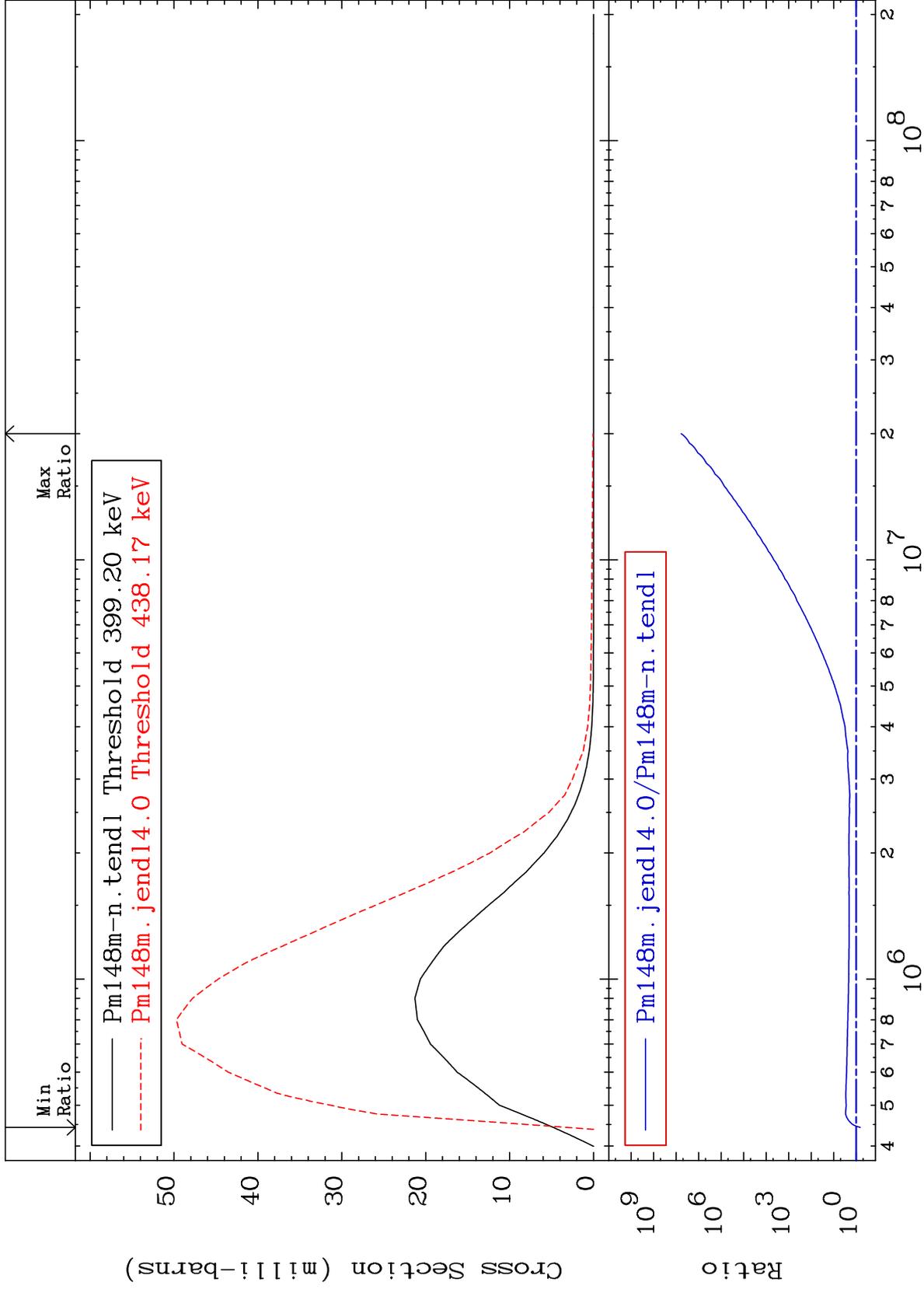
61-Pm-148  
-20.65 To 9999. %



MAT 6153

573.1 keV (n,n') Level  
Cross Section

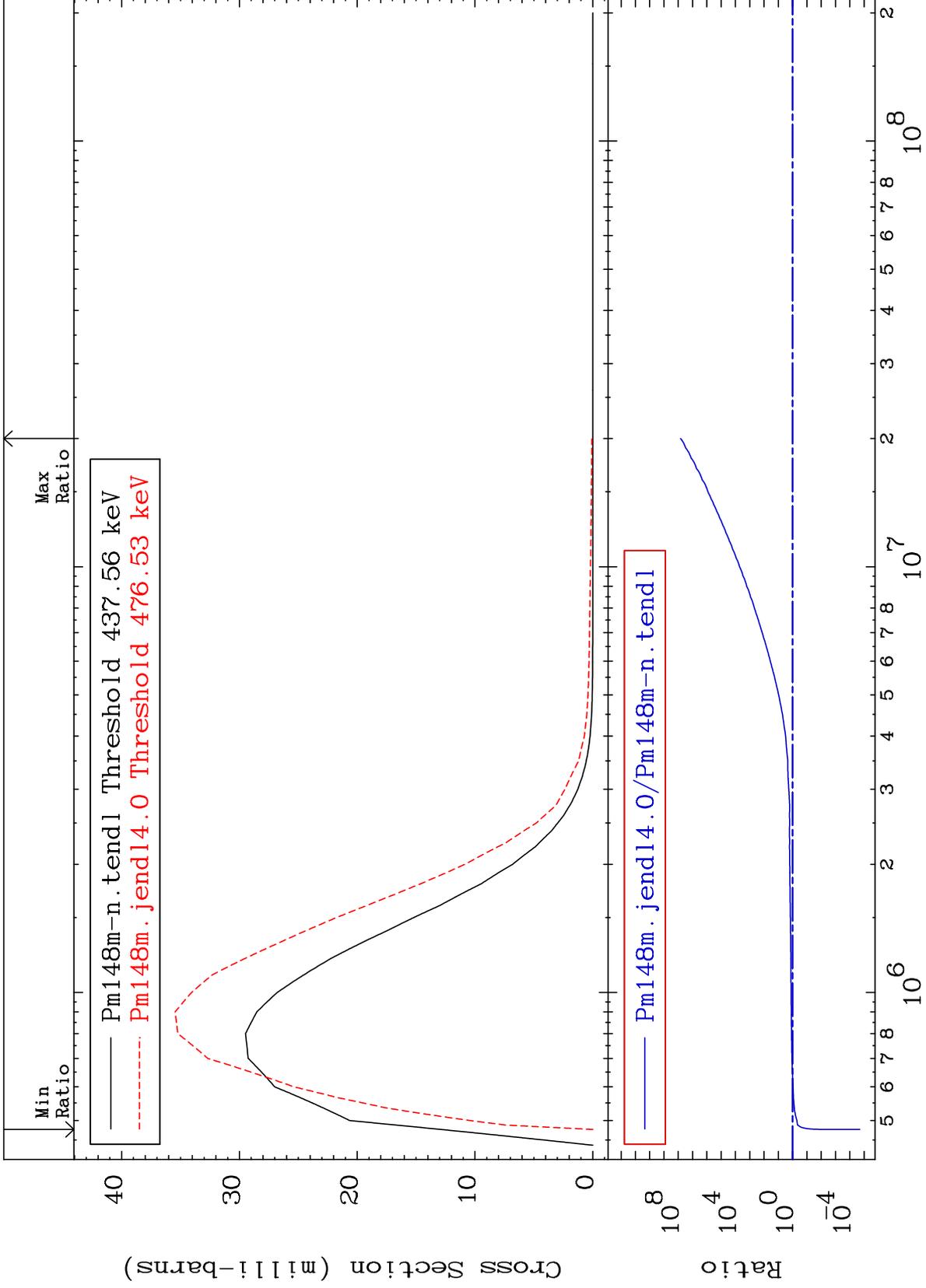
61-Pm-148  
-33.21 To 9999. %



MAT 6153

611.2 keV (n,n') Level  
Cross Section

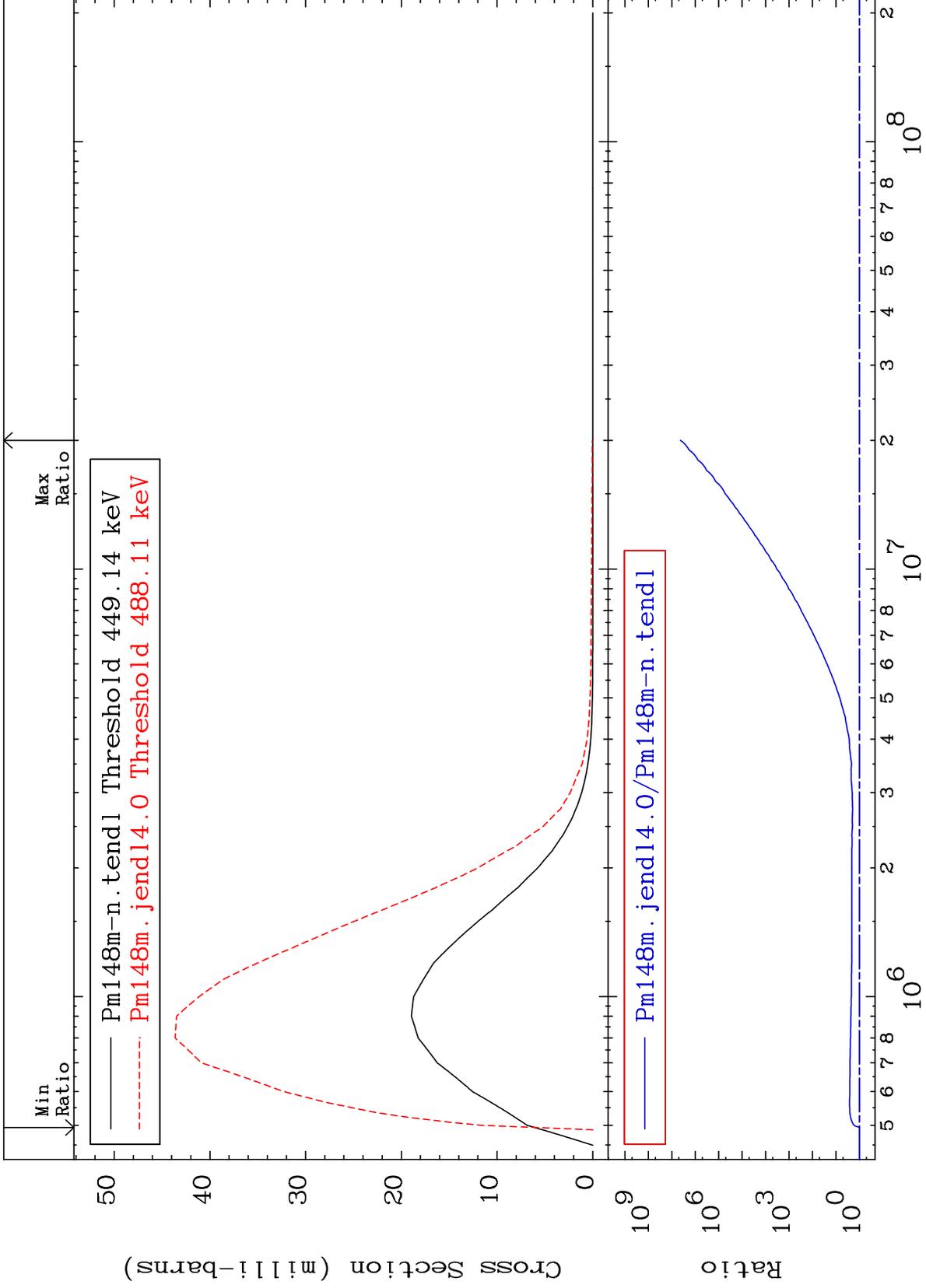
61-Pm-148  
-100.0 To 9999. %



MAT 6153

622.7 keV (n,n') Level  
Cross Section

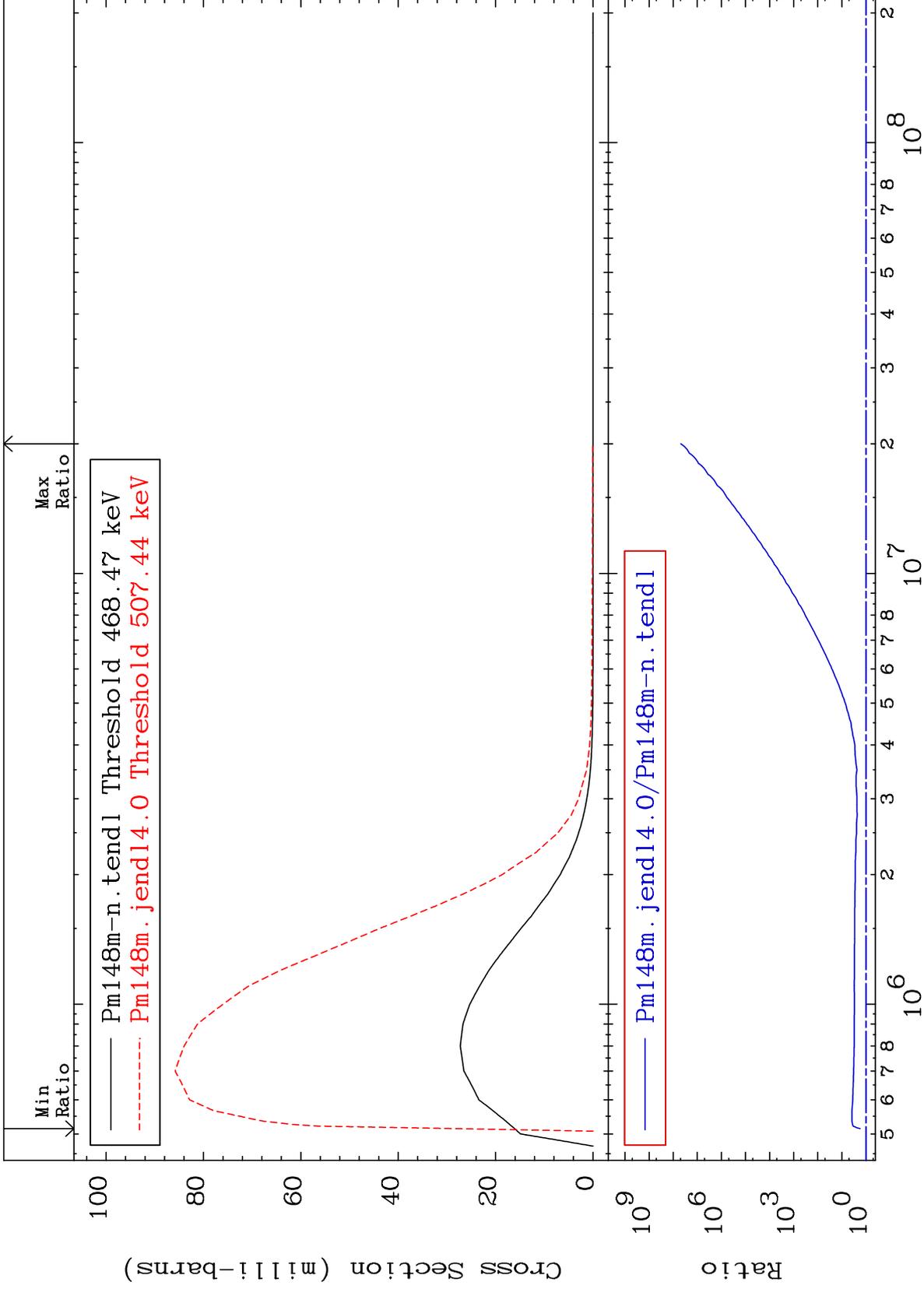
61-Pm-148  
-3.993 To 9999. %



MAT 6153

641.9 keV (n,n') Level  
Cross Section

61-Pm-148  
74.65 To 9999. %



40

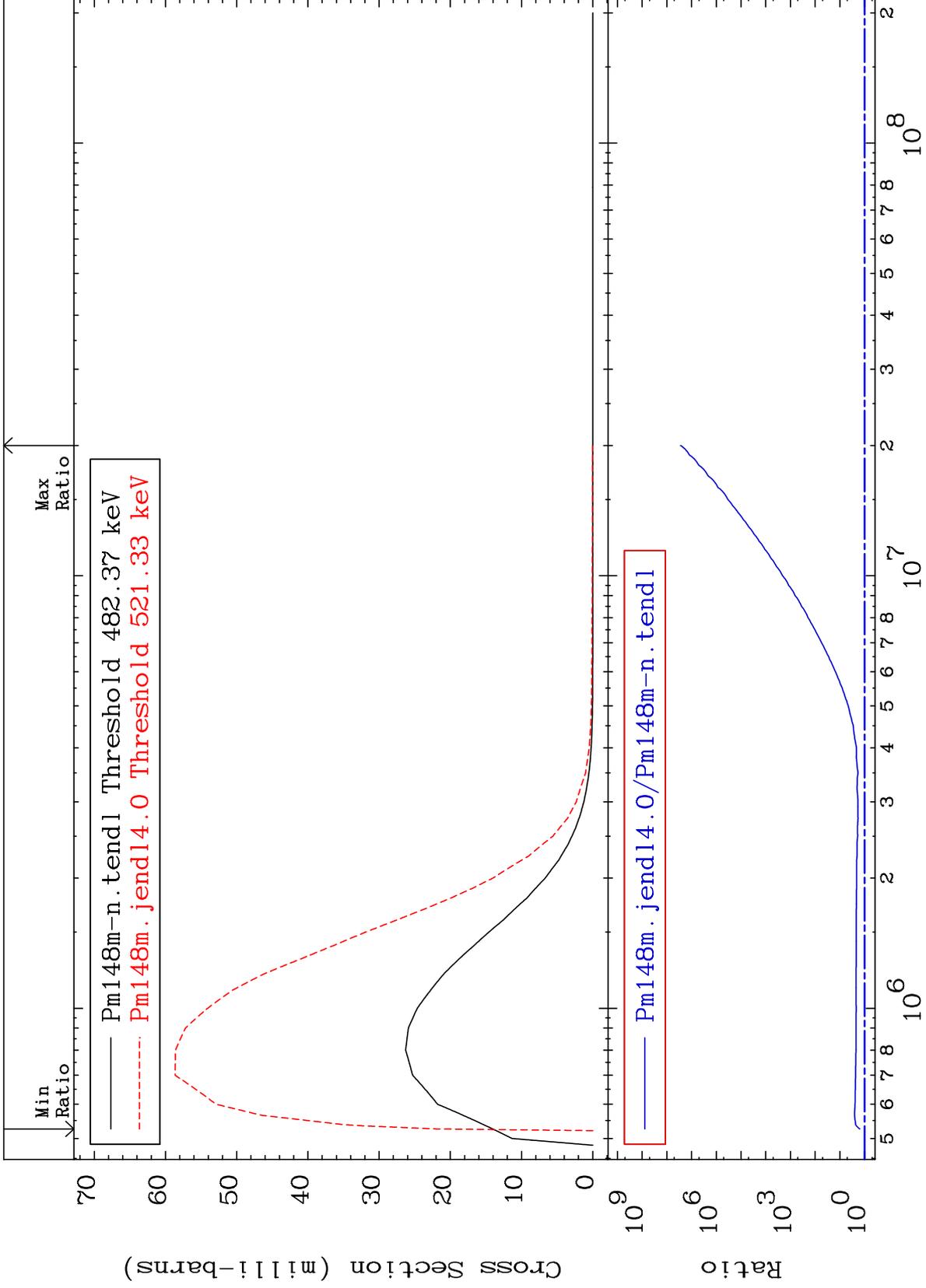
Incident Energy (eV)

61-Pm-148

MAT 6153

655.7 keV (n,n') Level  
Cross Section

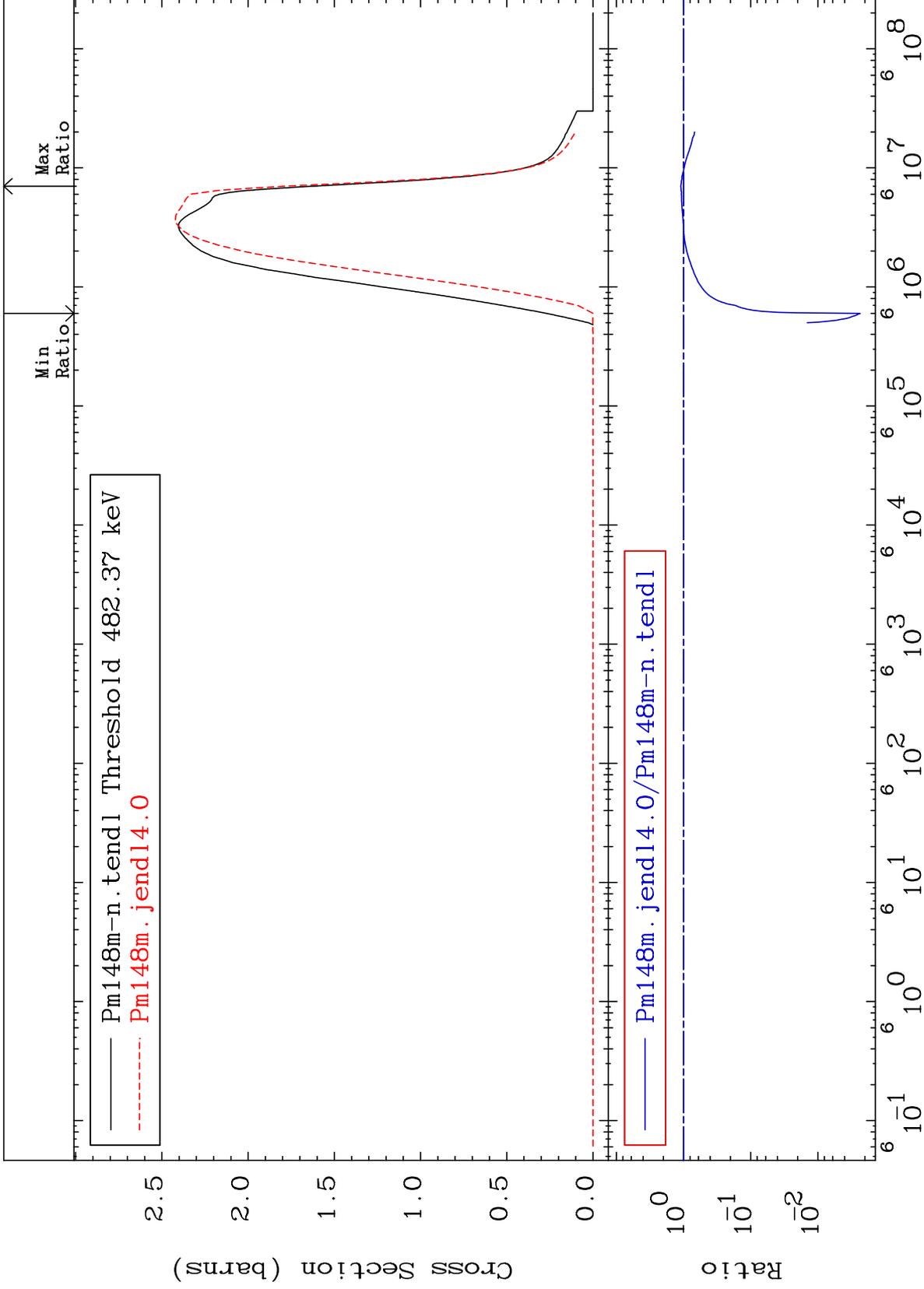
61-Pm-148  
56.32 To 9999. %



MAT 6153

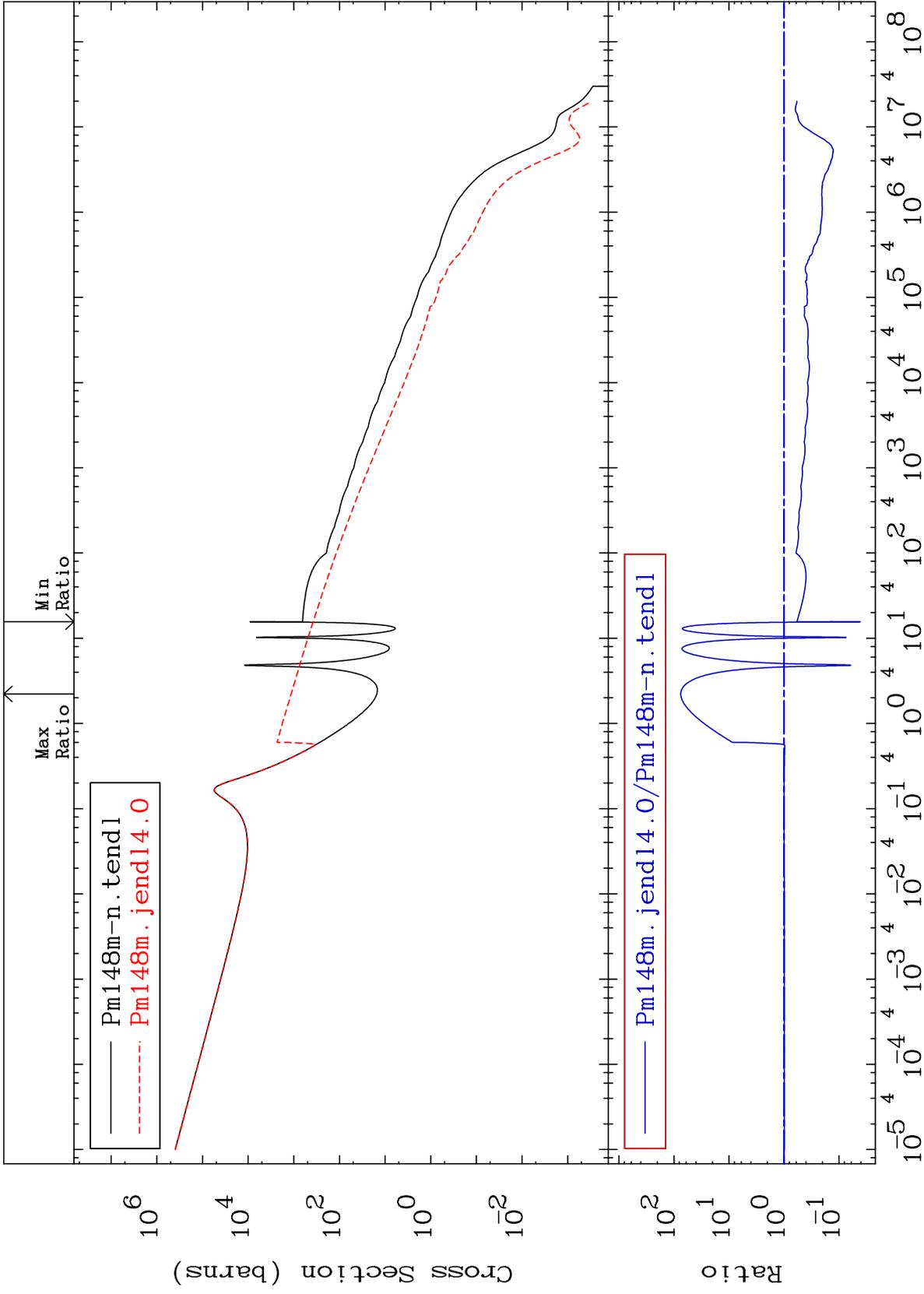
(n, n') Continuum  
Cross Section

61-Pm-148  
-99.76 To 9.907 %



MAT 6153

(n,  $\gamma$ )  
Cross Section  
61-Pm-148  
-95.85 To 7432. %



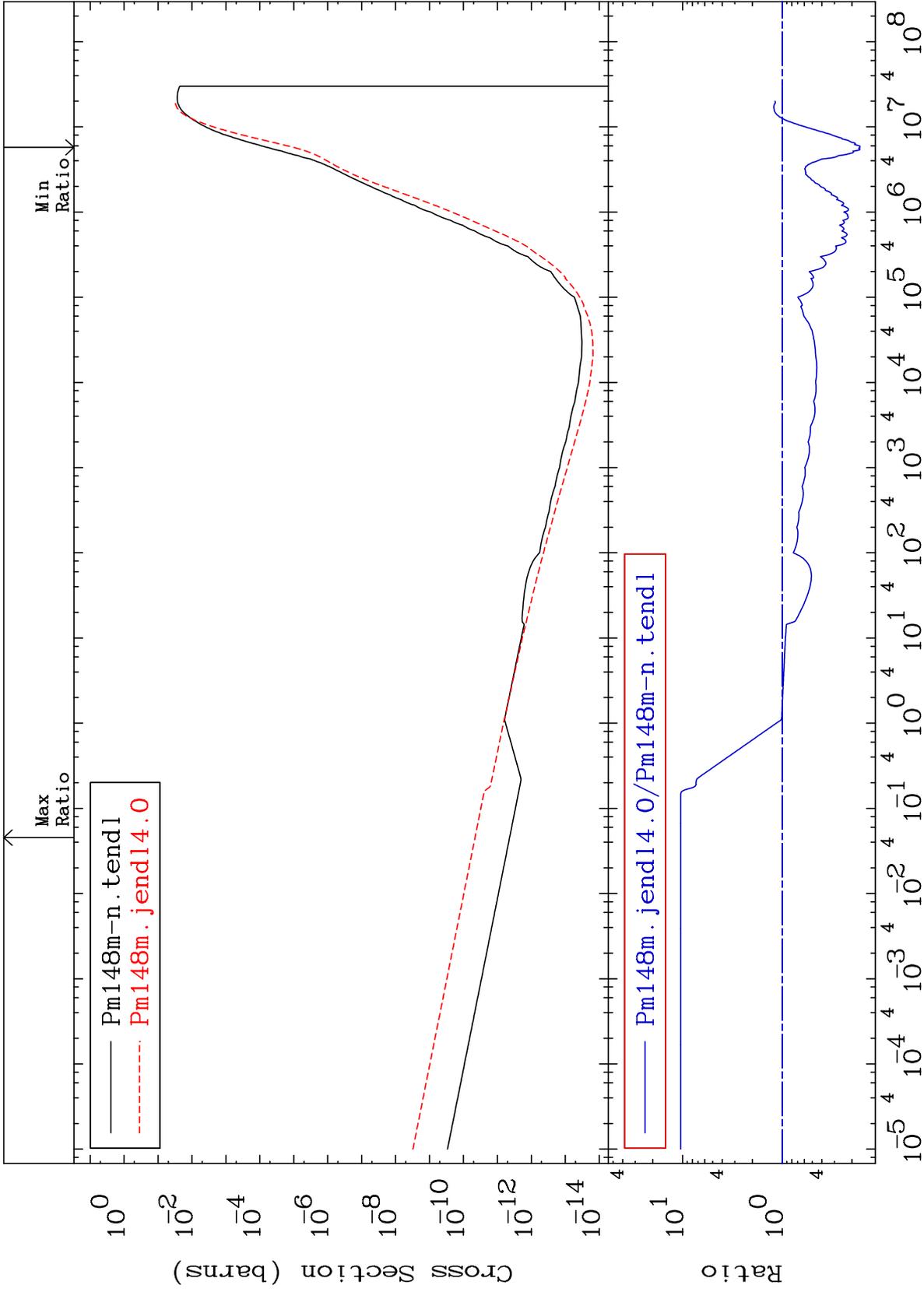
MAT 6153

(n,p)

61-Pm-148

Cross Section

-83.46 To 944.8 %



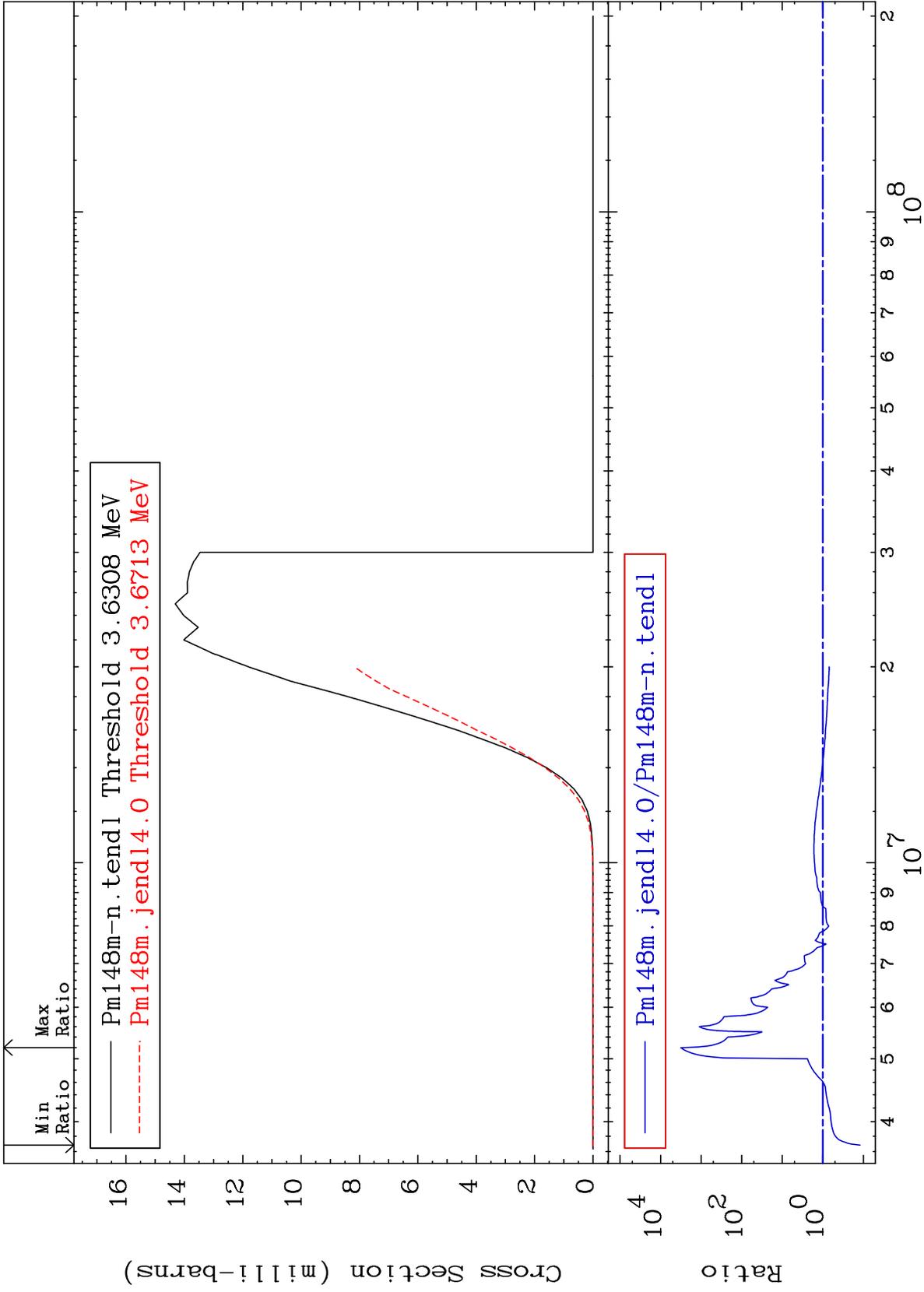
MAT 6153

(n, d)

61-Pm-148

Cross Section

-87.97 To 9999. %



45

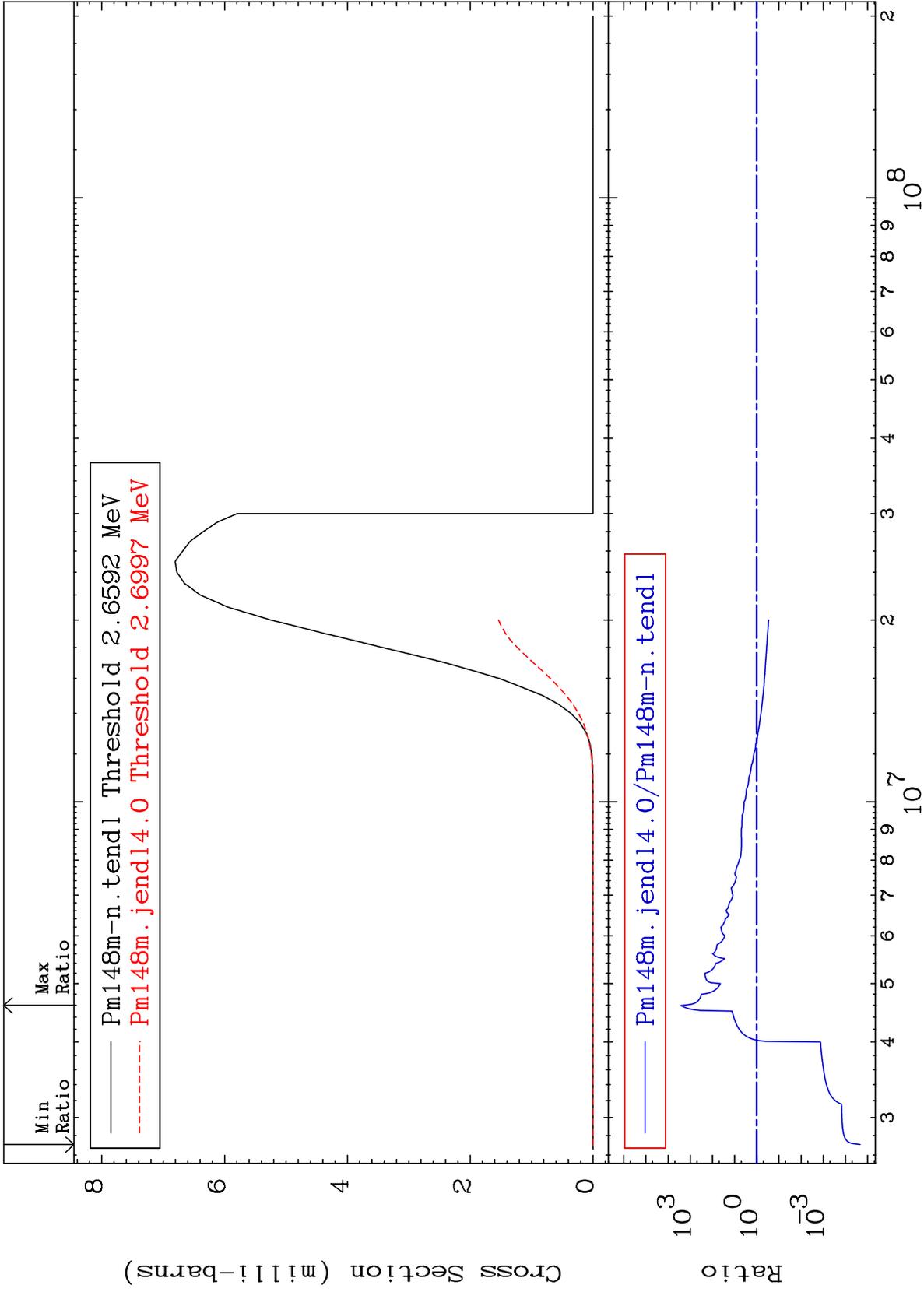
61-Pm-148

MAT 6153

61-Pm-148

(n, t)  
Cross Section

-100.0 To 9999. %



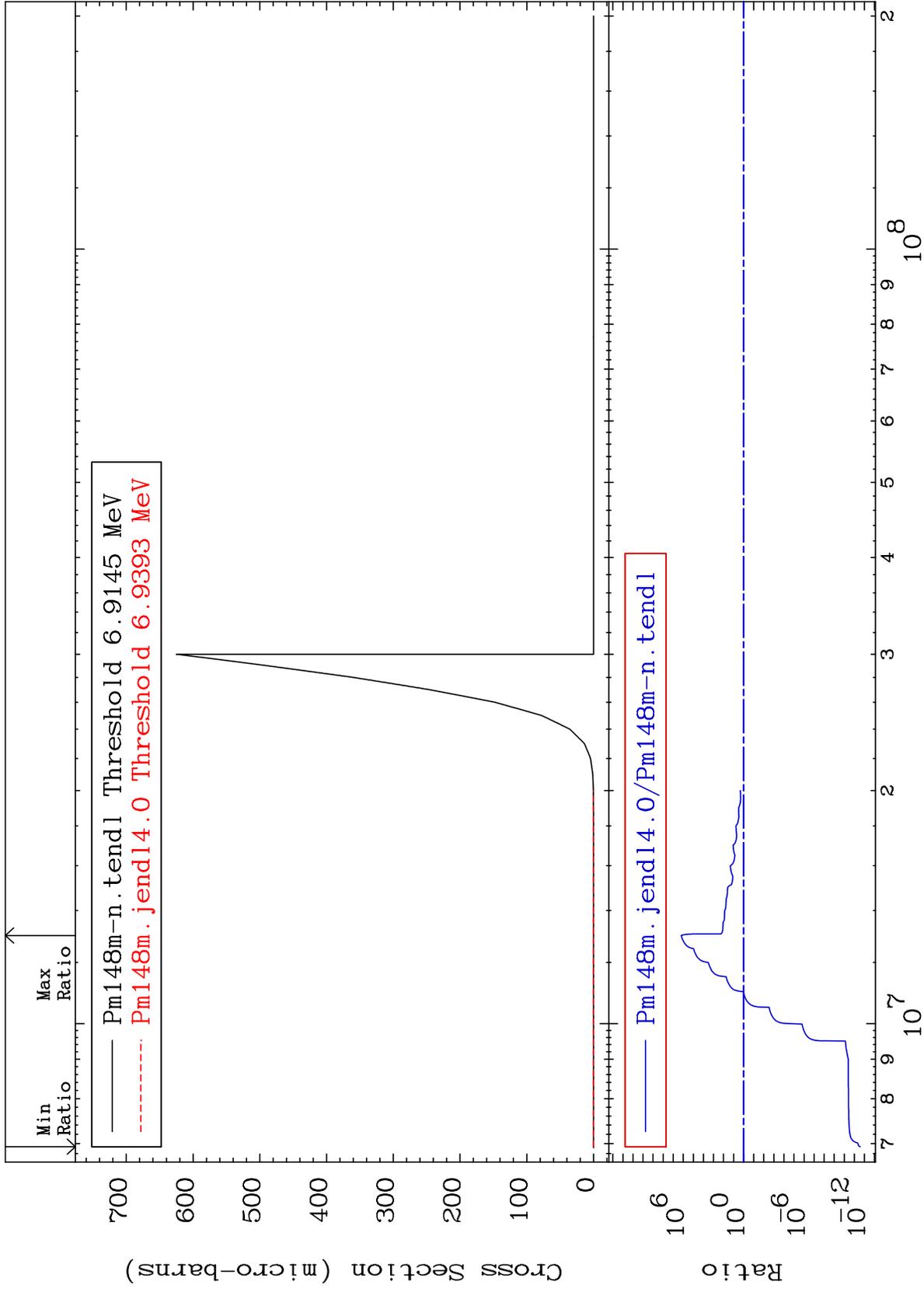
MAT 6153

(n, He-3)

61-Pm-148

Cross Section

-100.0 To 9999. %



47

Incident Energy (eV)

61-Pm-148

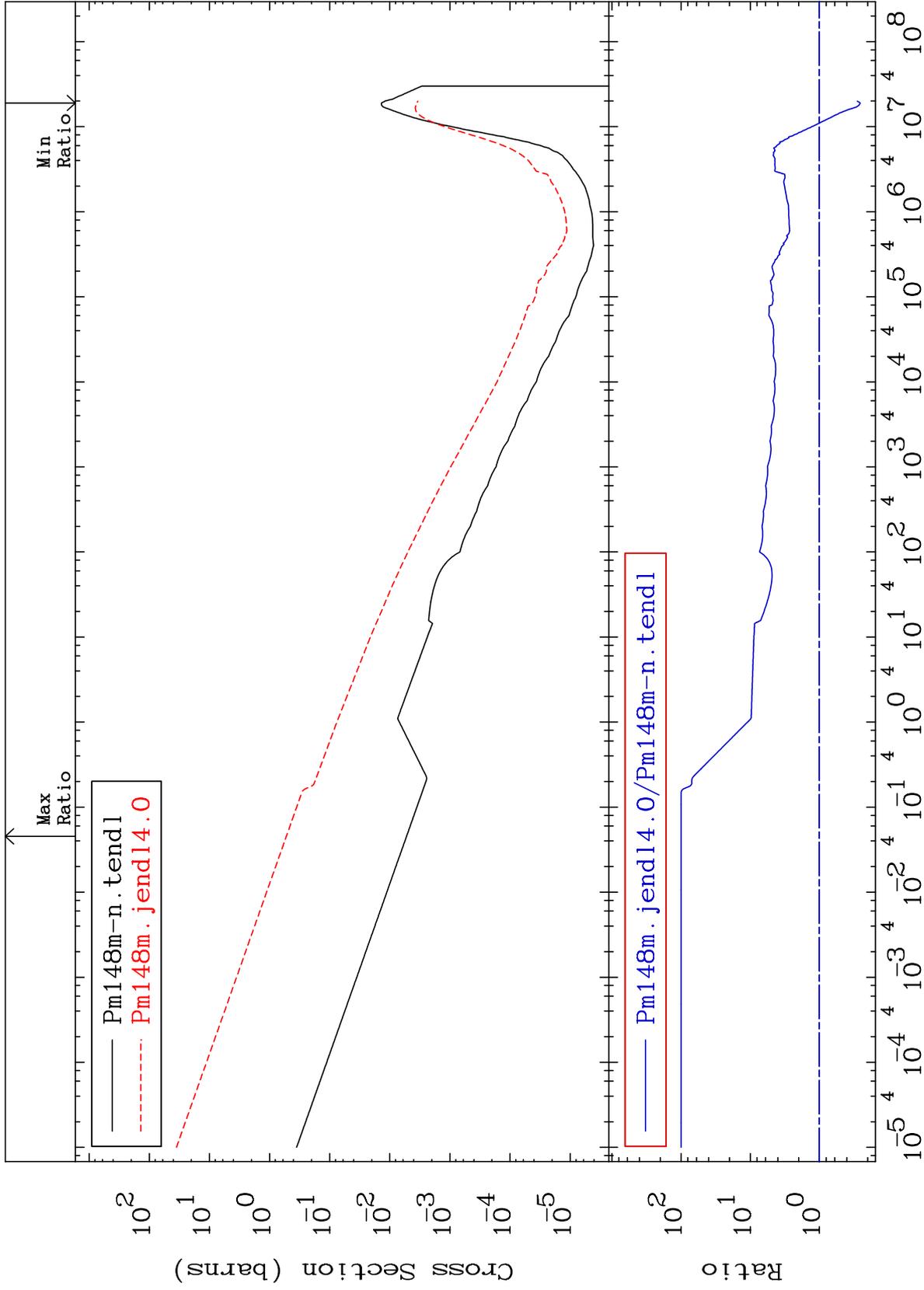
MAT 6153

(n,  $\alpha$ )

61-Pm-148

Cross Section

-74.29 To 9894. %



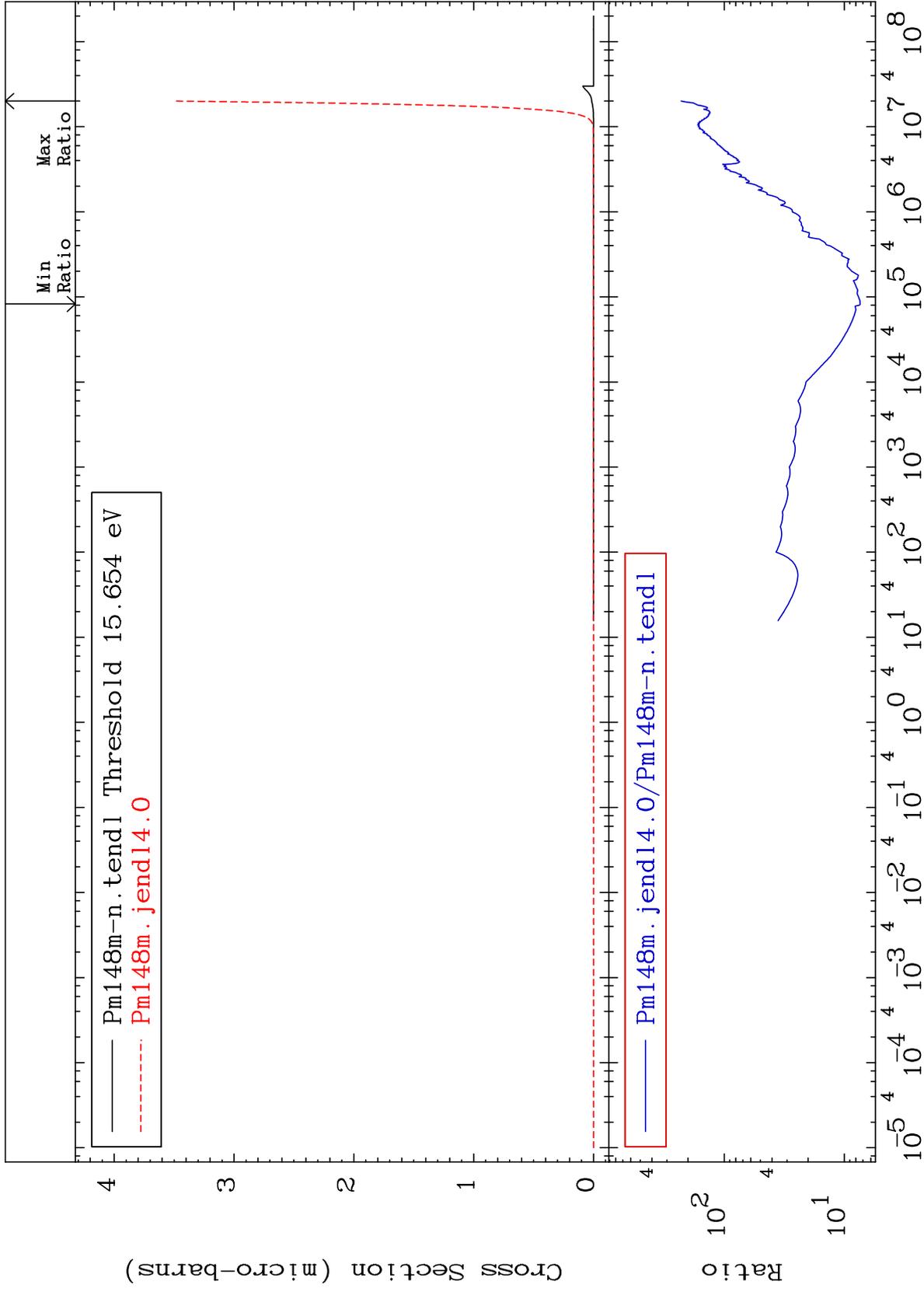
MAT 6153

(n,2α)

61-Pm-148

Cross Section

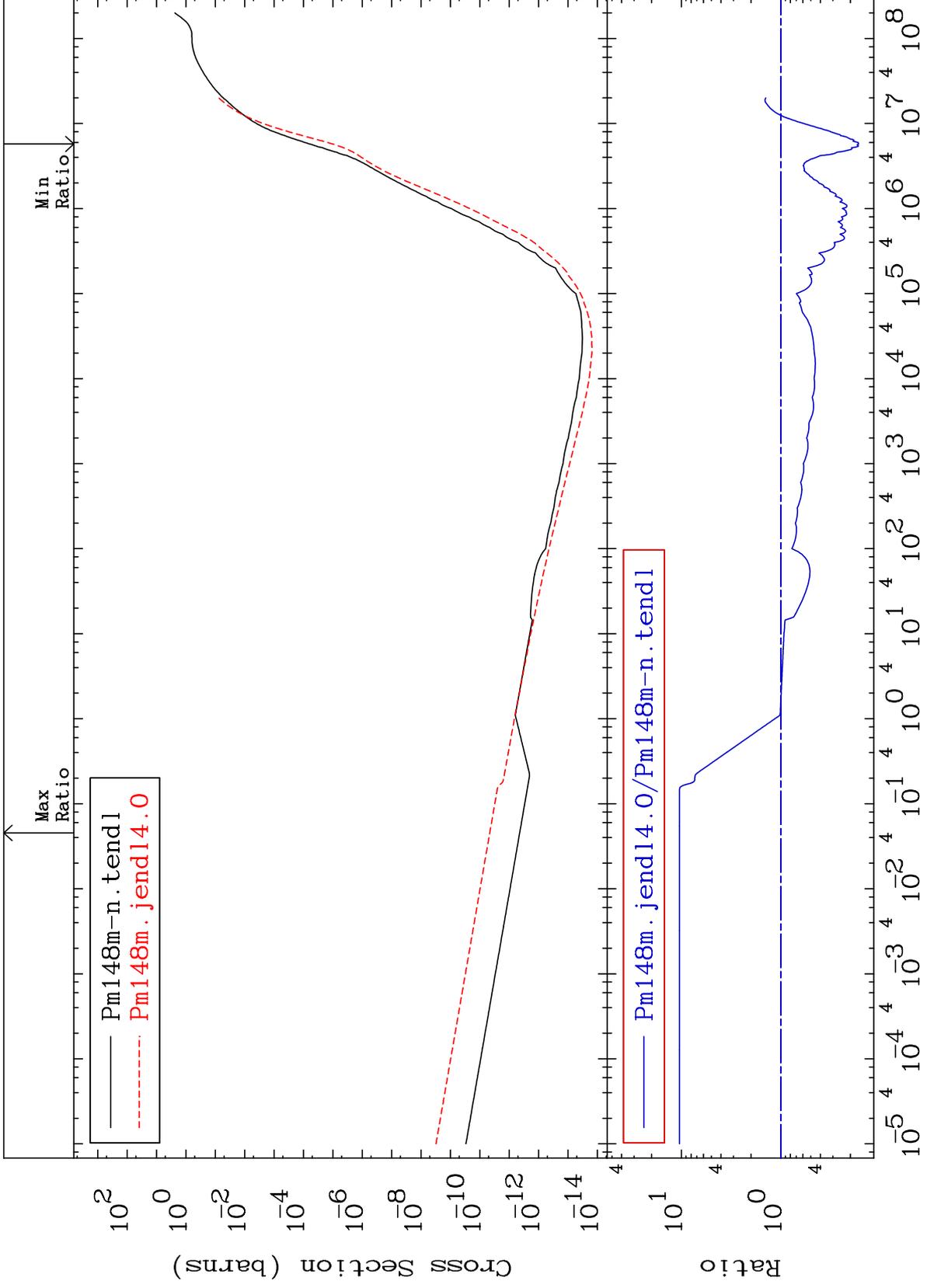
636.6 To 9999. %

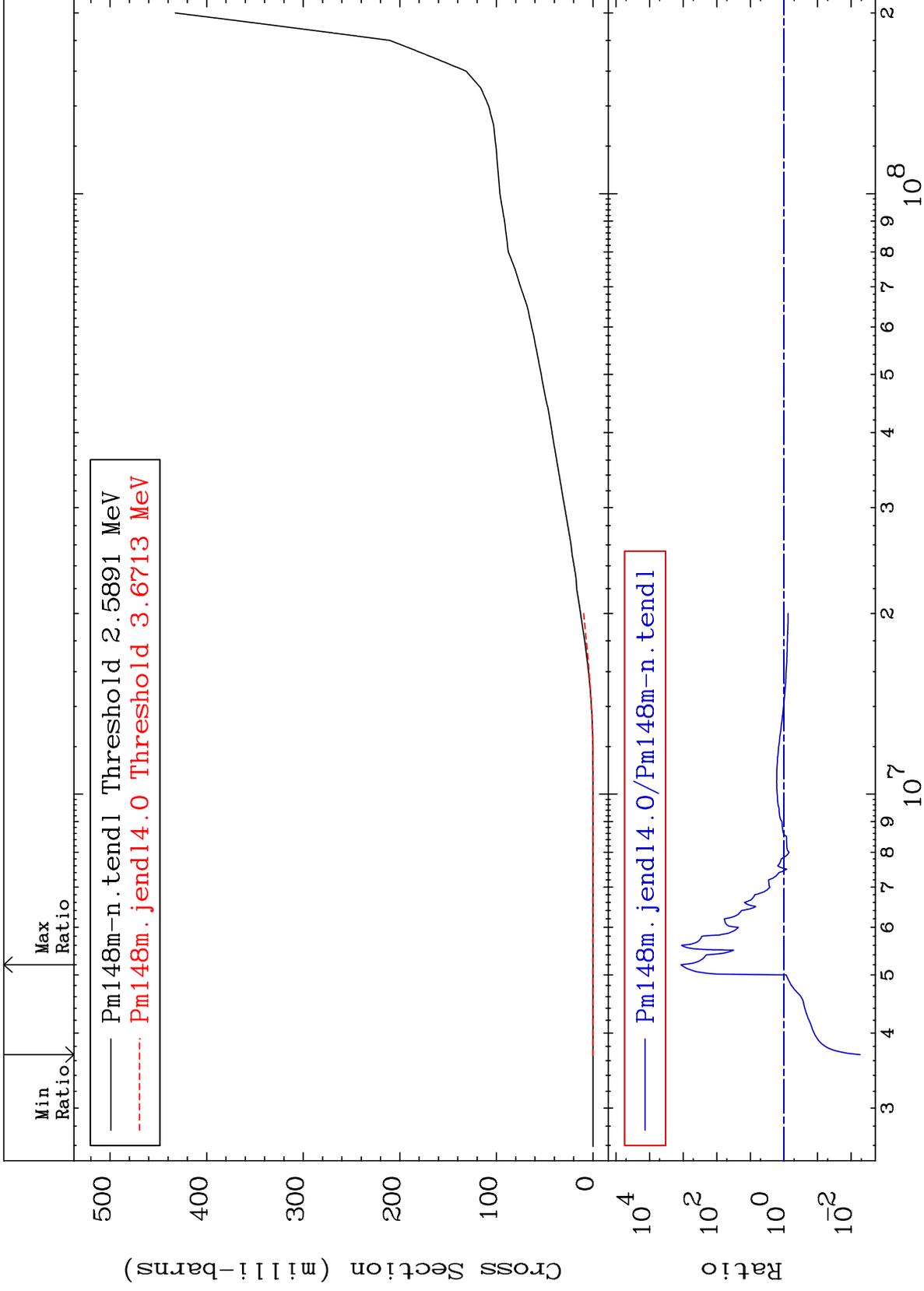


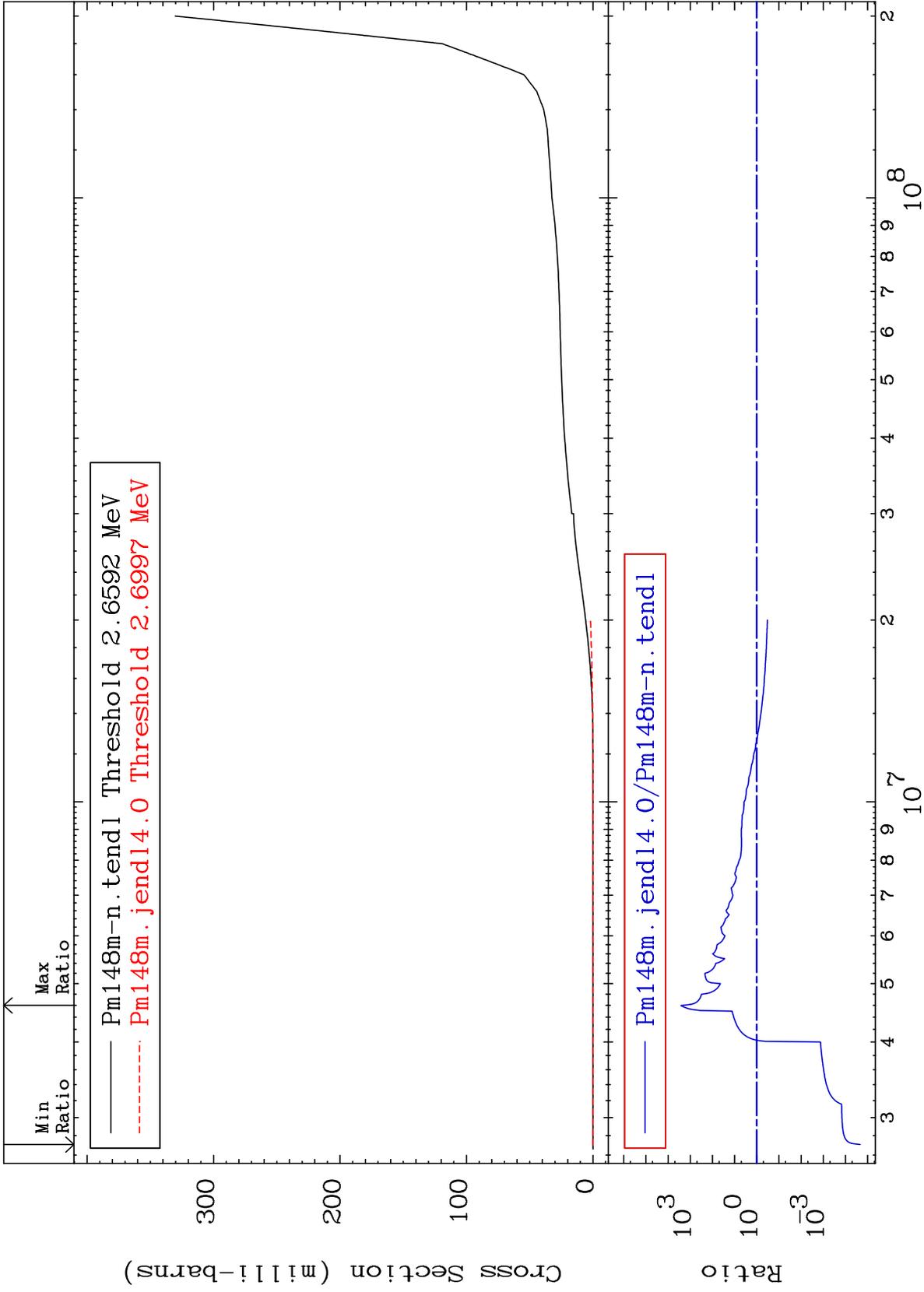
MAT 6153

Hydrogen Production  
Cross Section

61-Pm-148  
-83.46 To 944.8 %



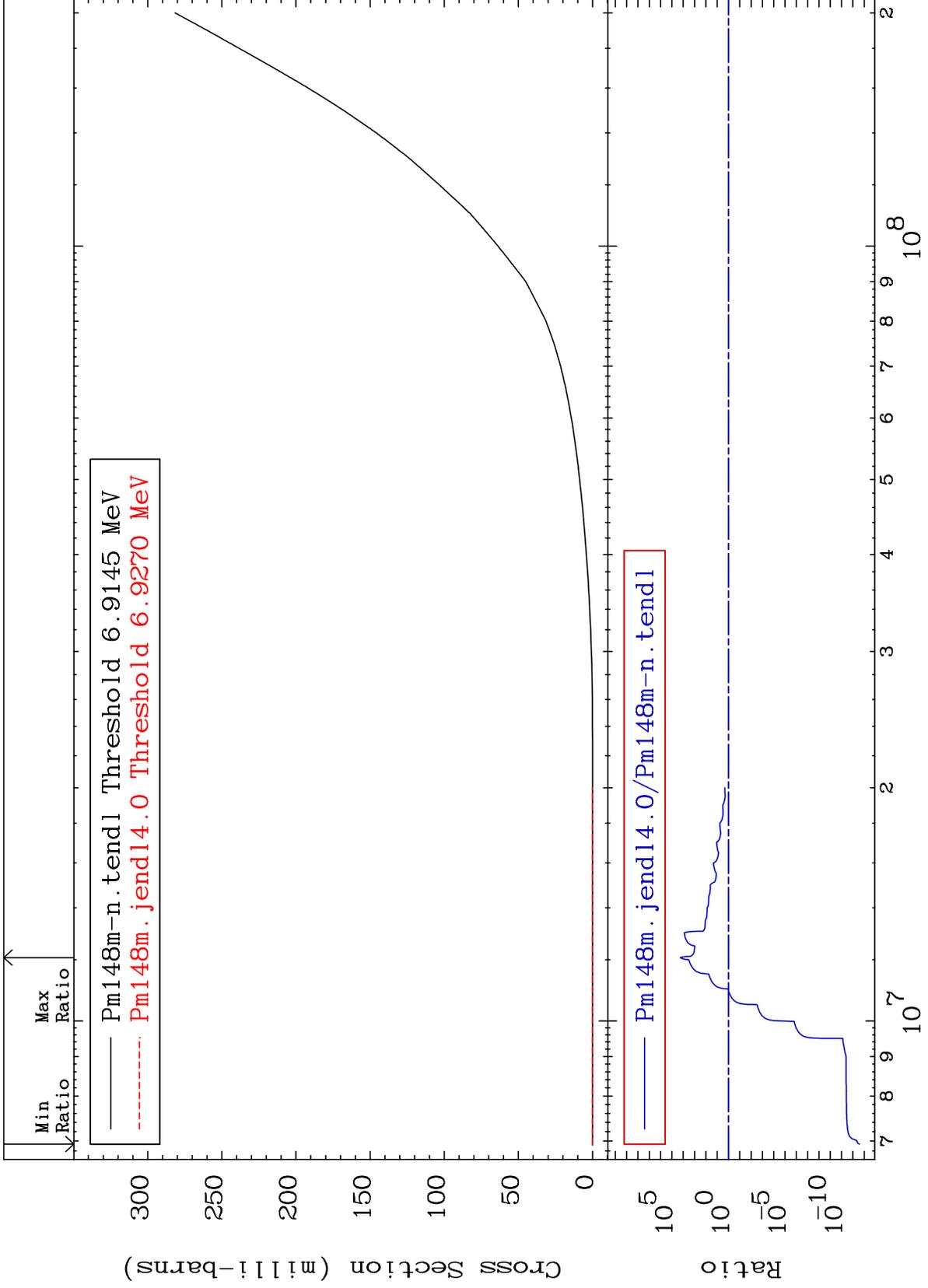




MAT 6153

He-3 Production  
Cross Section

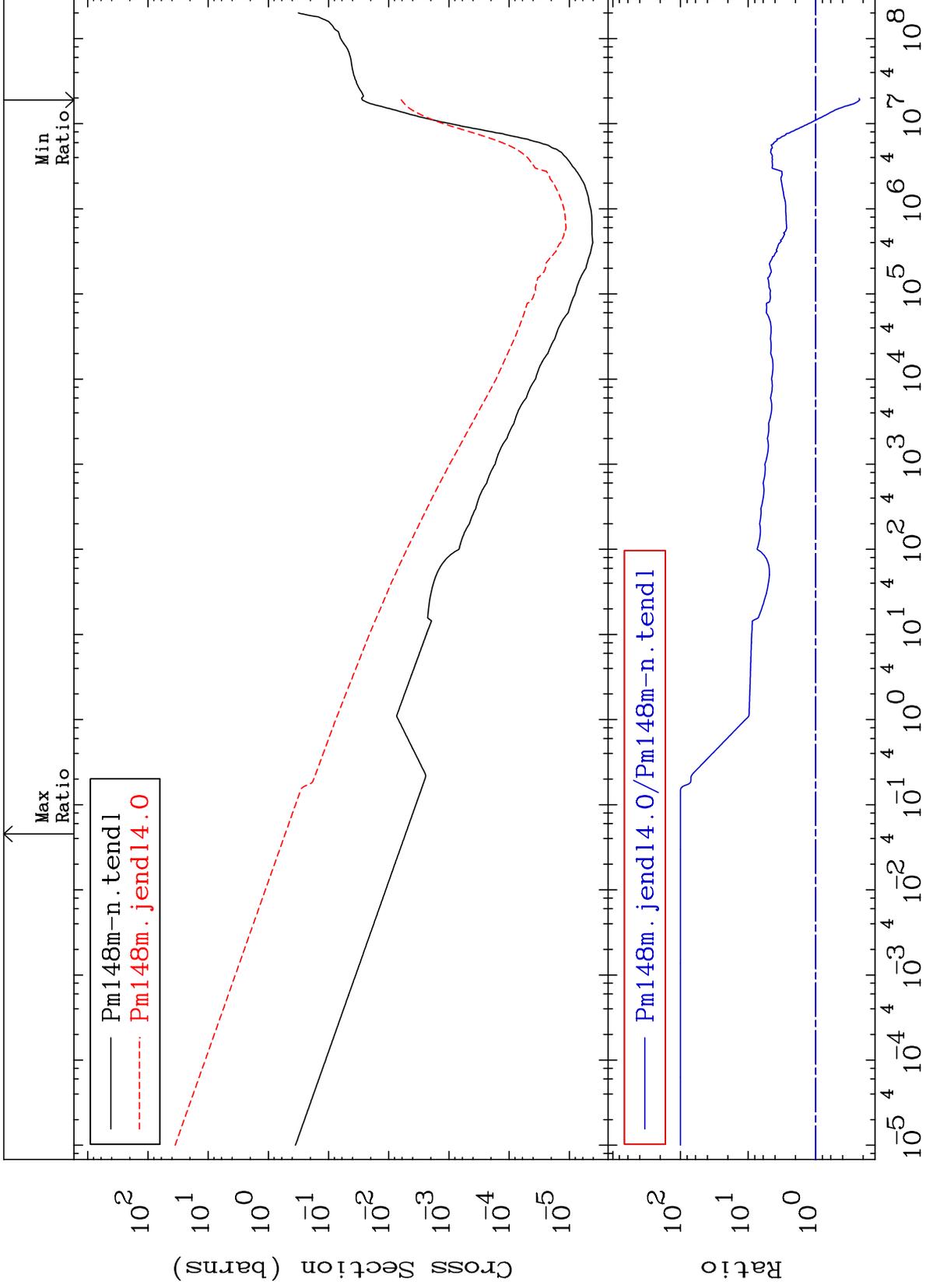
61-Pm-148  
-100.0 To 9999. %

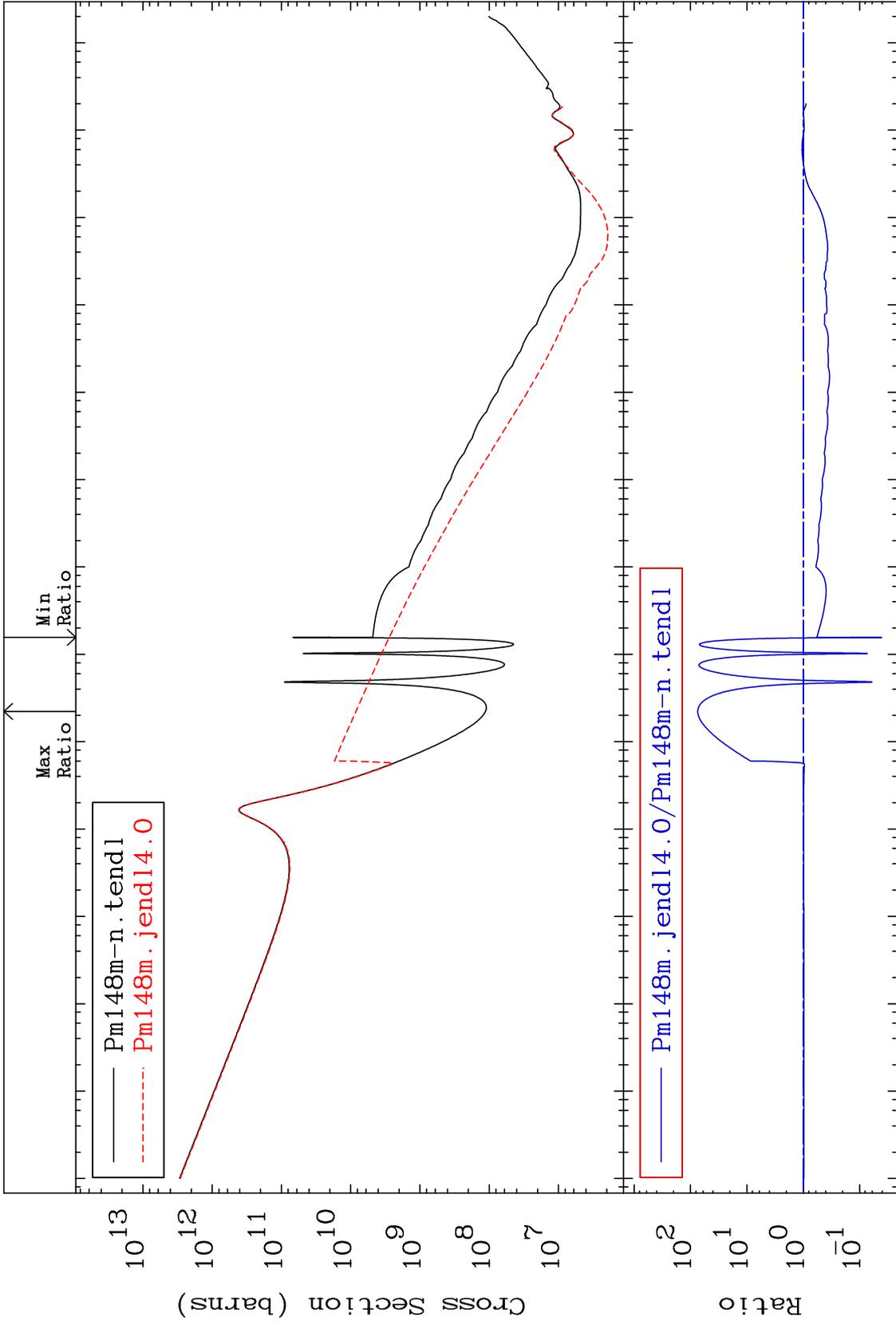


MAT 6153

He-4 Production  
Cross Section

61-Pm-148  
-77.61 To 9894. %

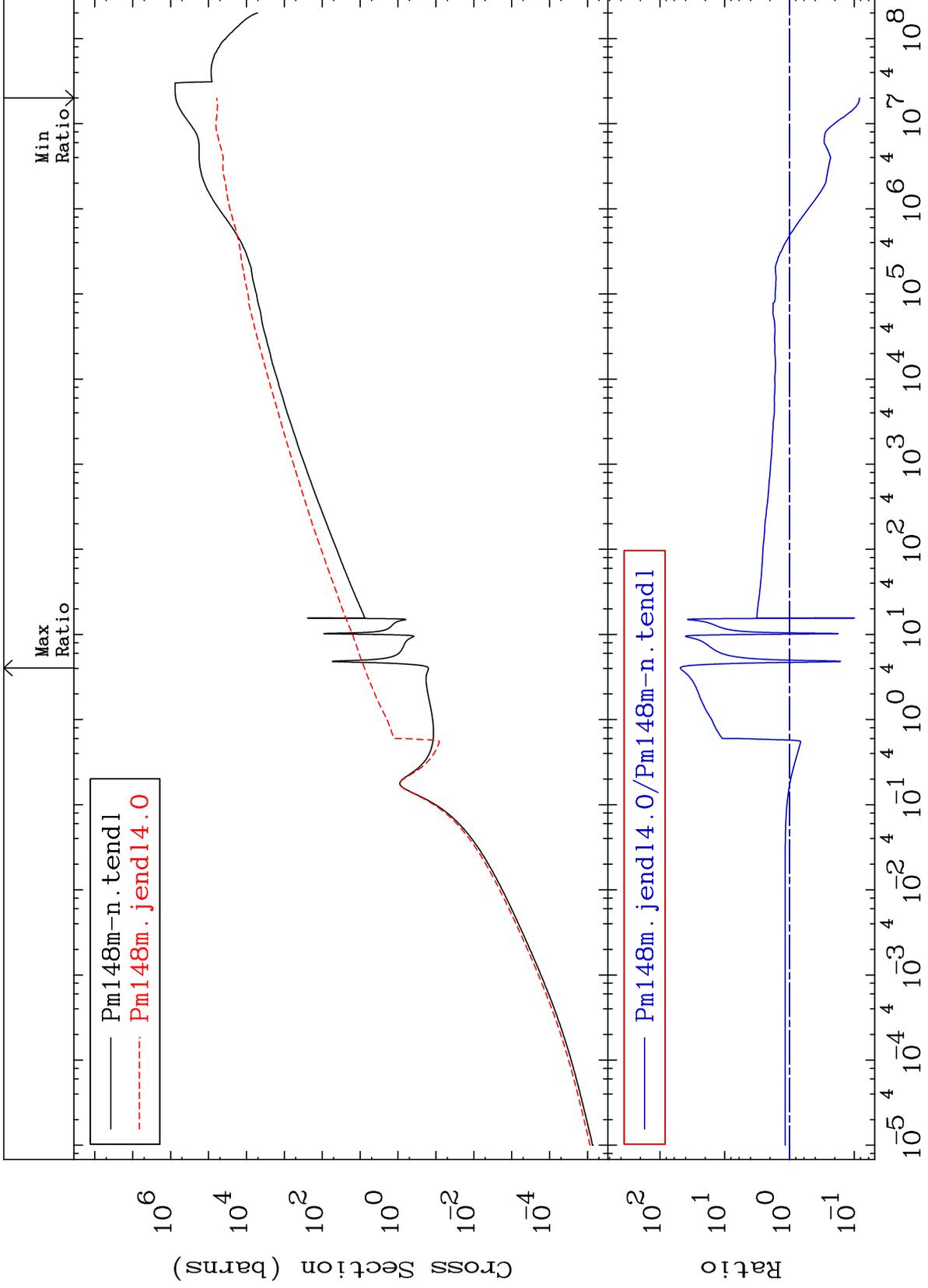


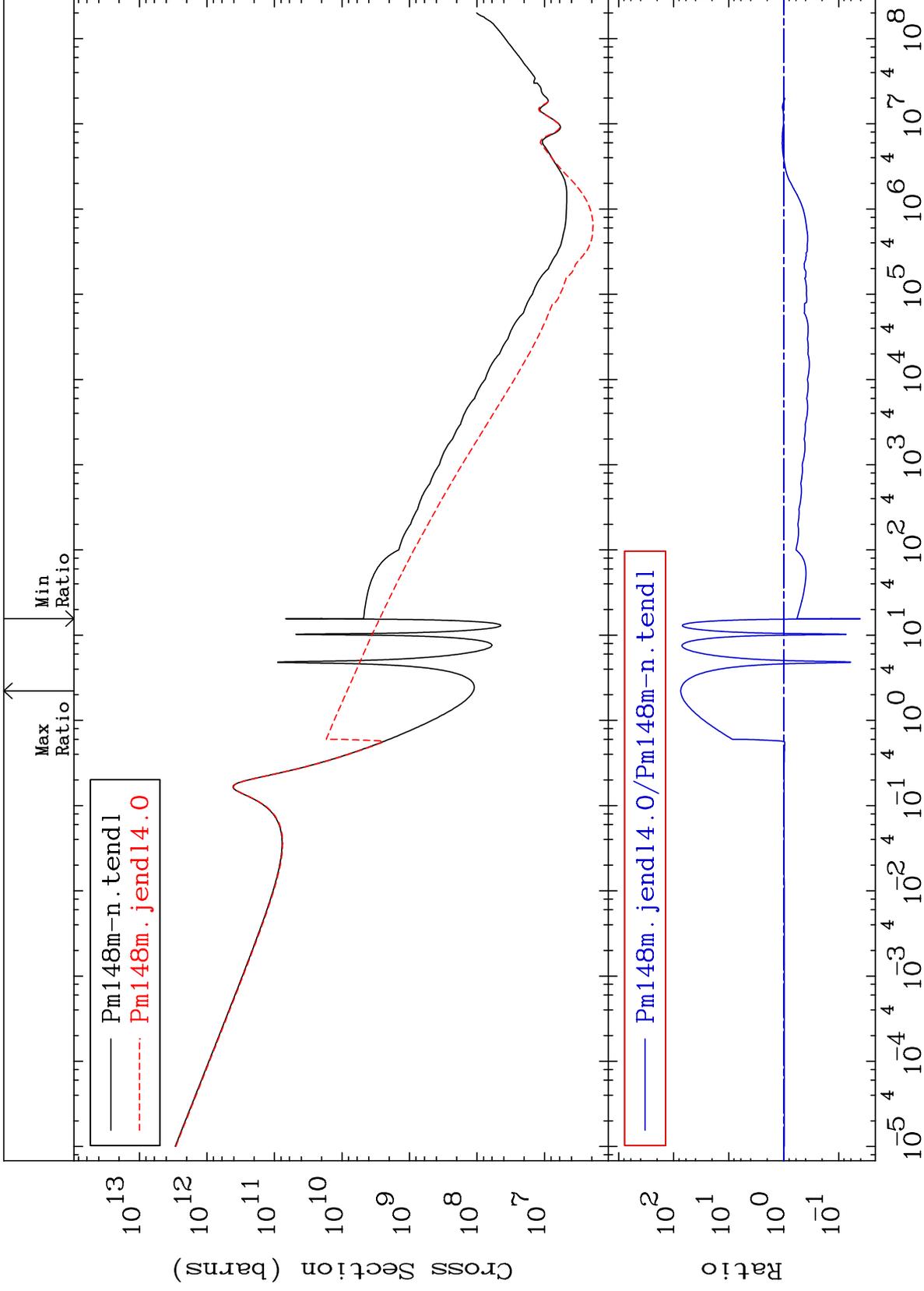


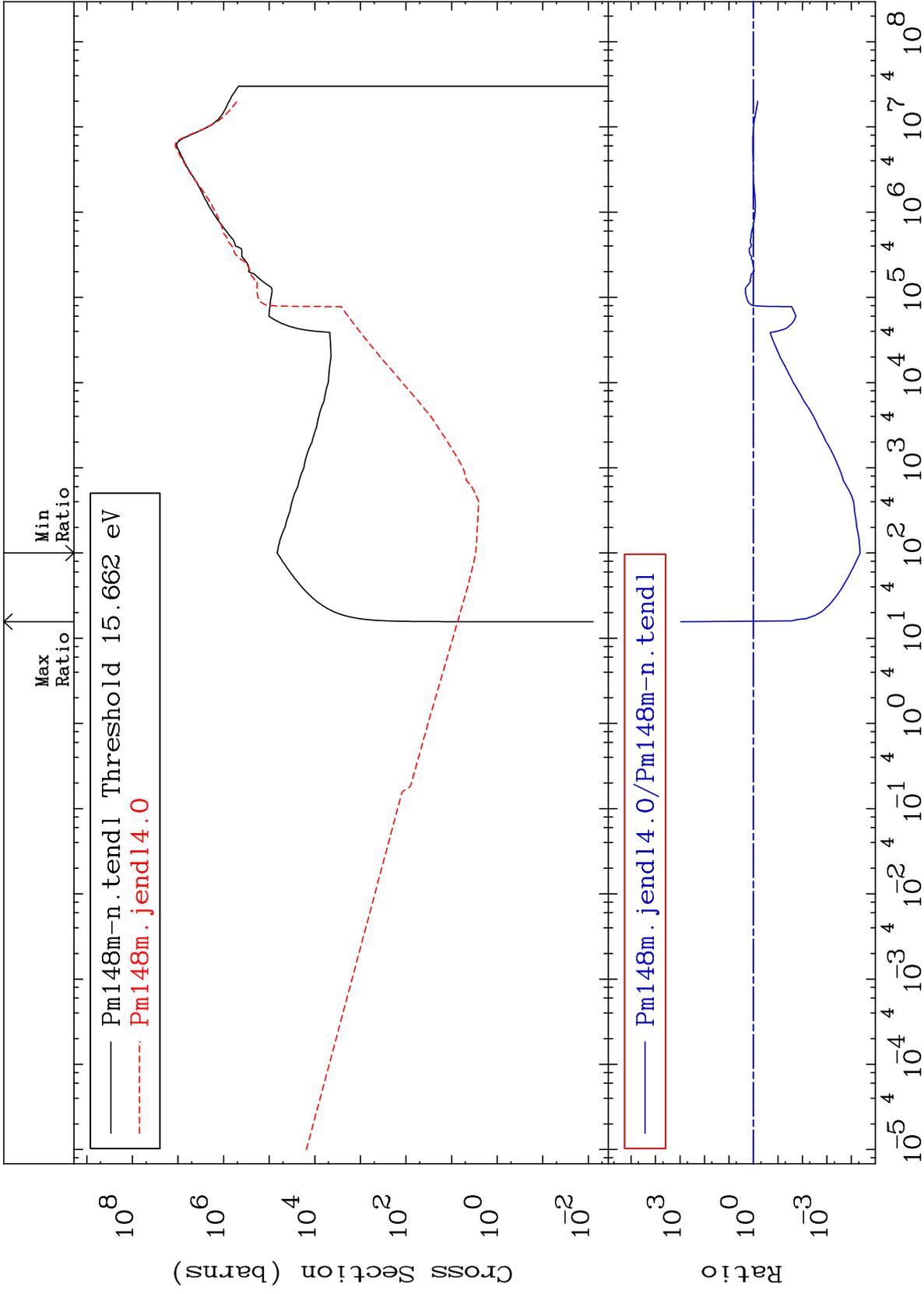
MAT 6153

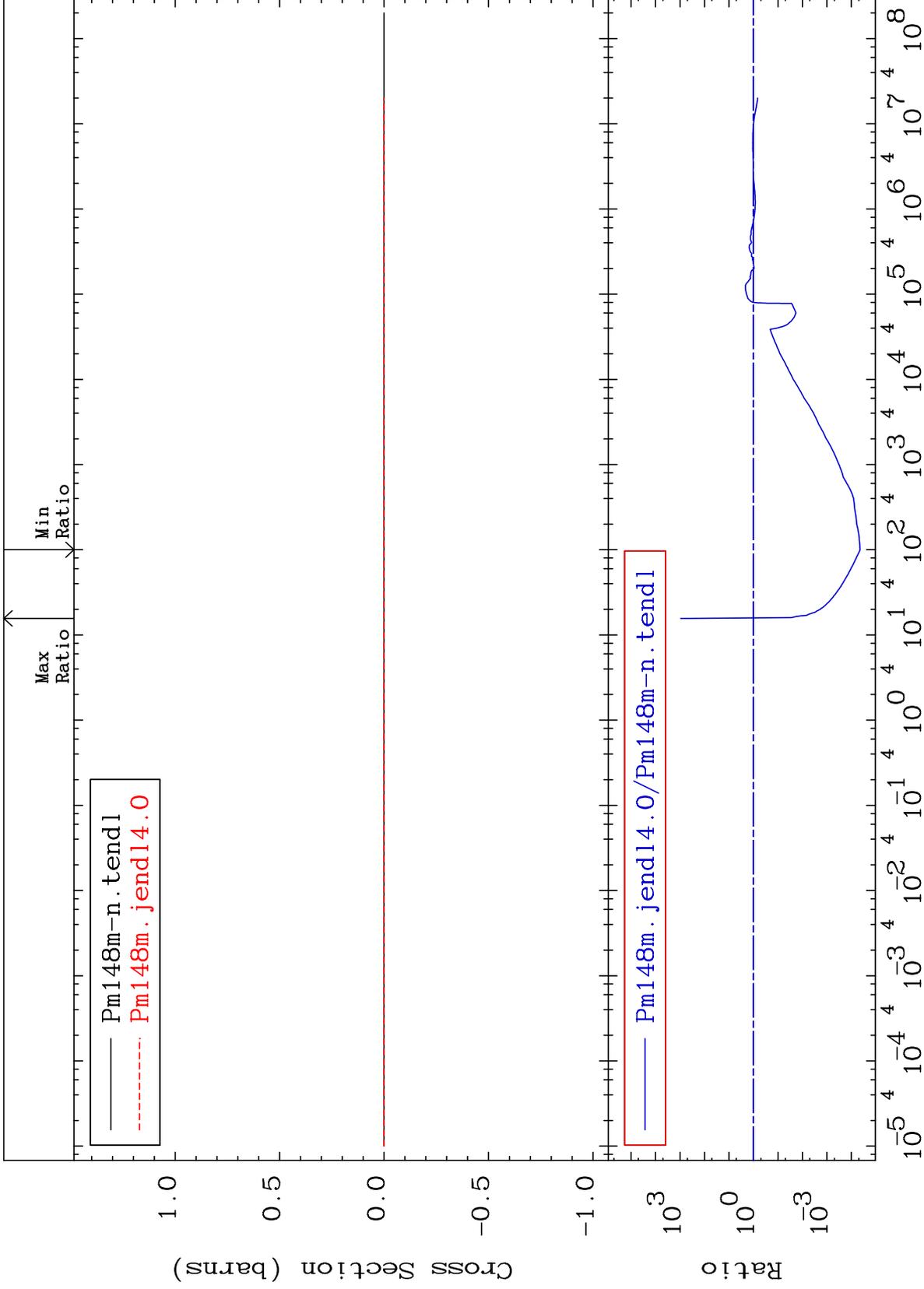
Kerma elastic  
Cross Section

61-Pm-148  
-91.68 To 4748. %





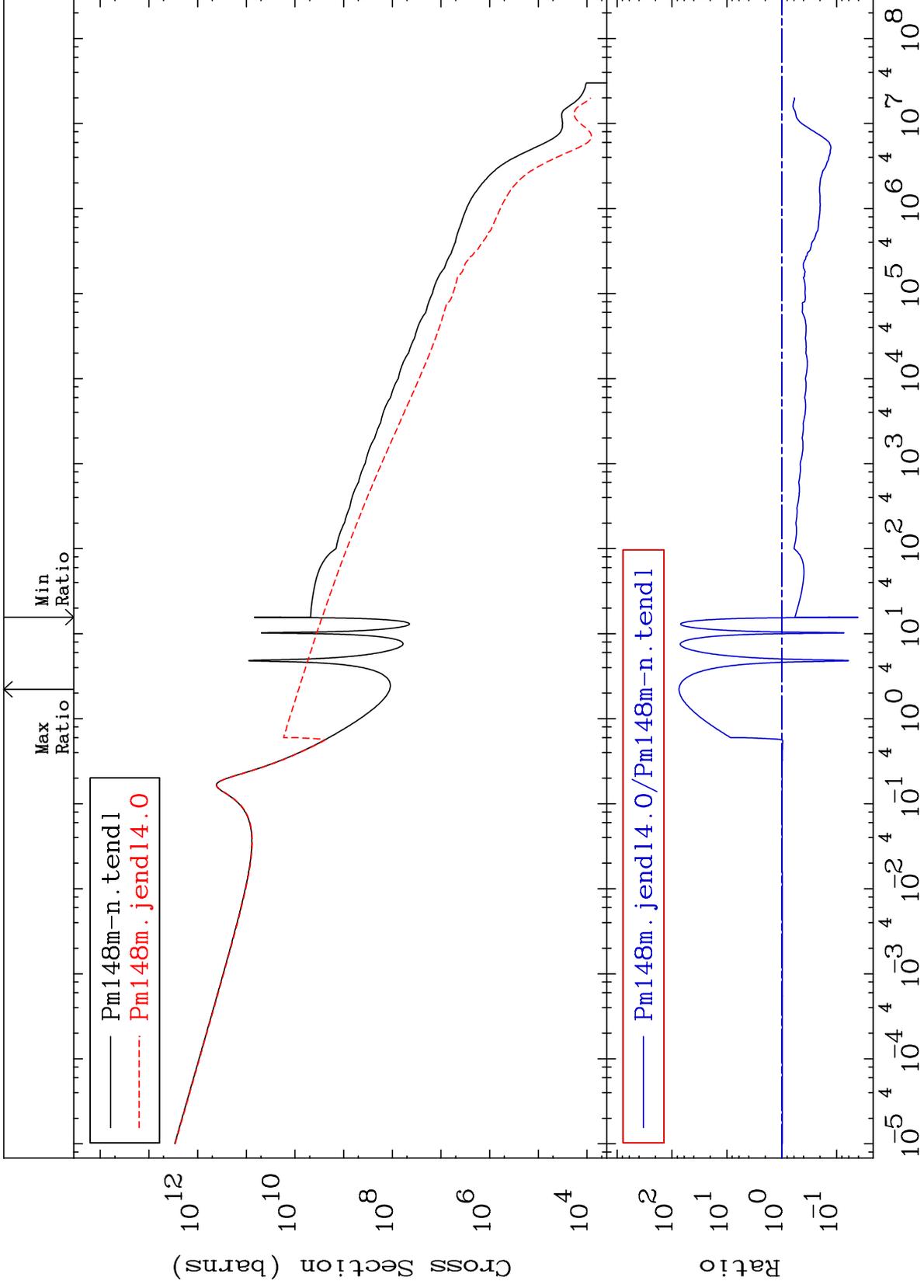




MAT 6153

Kerma capture (mt102)  
Cross Section

61-Pm-148  
-95.91 To 7329. %



60

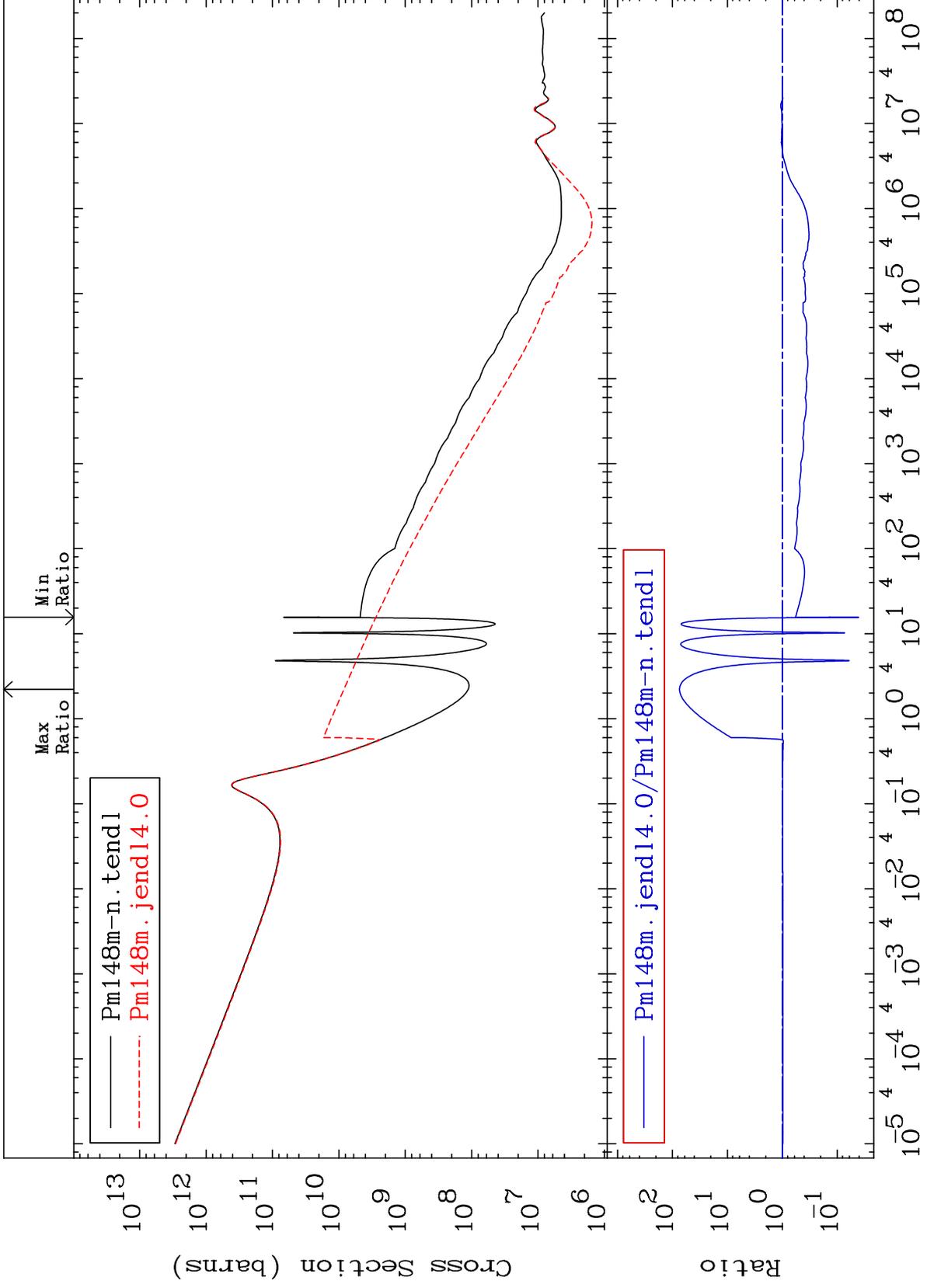
Incident Energy (eV)

61-Pm-148

MAT 6153

Total photon (eV-barns)  
Cross Section

61-Pm-148  
-95.91 To 7329. %



61

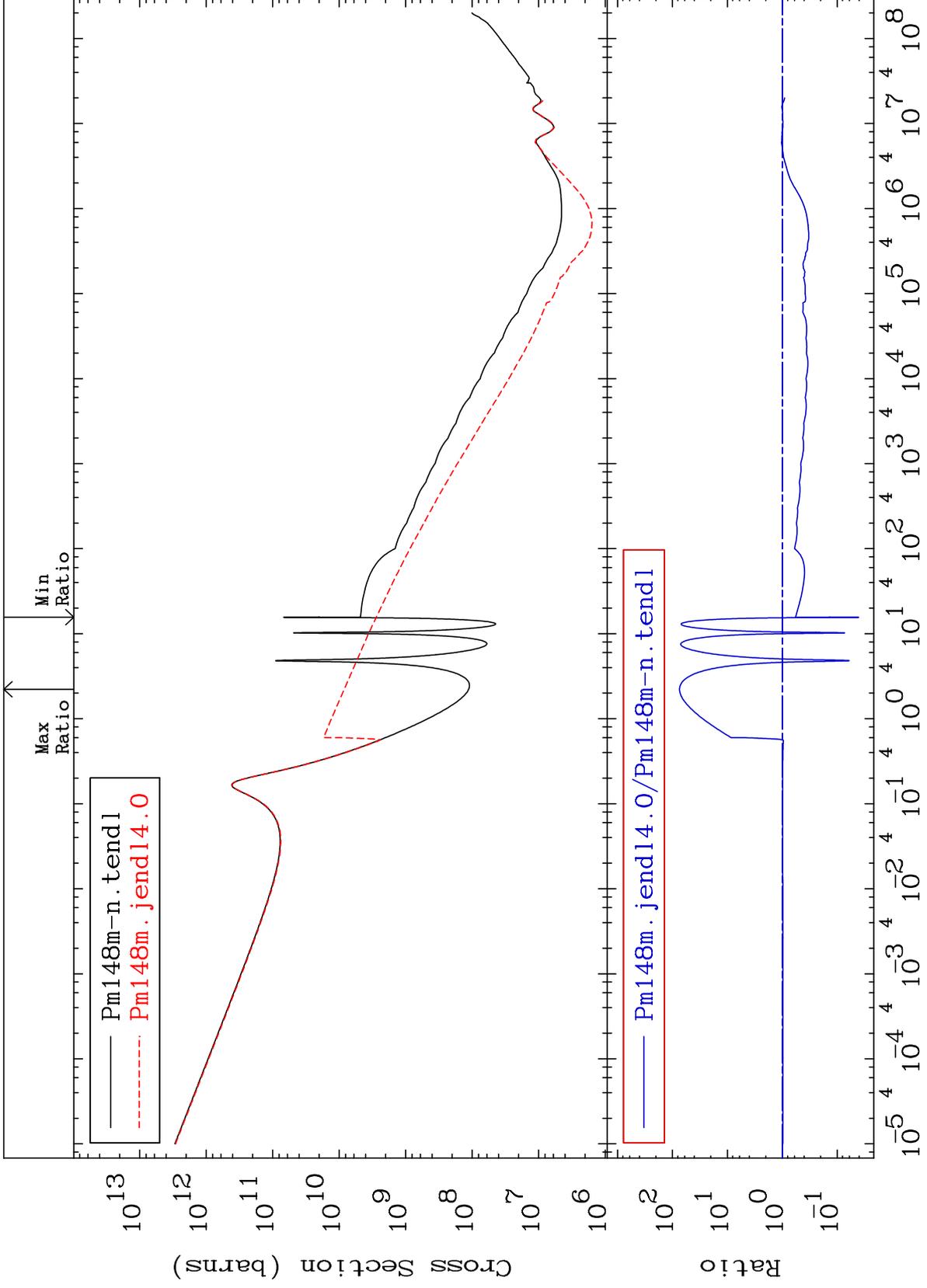
Incident Energy (eV)

61-Pm-148

MAT 6153

Total kinematic kerma (high limit)  
Cross Section

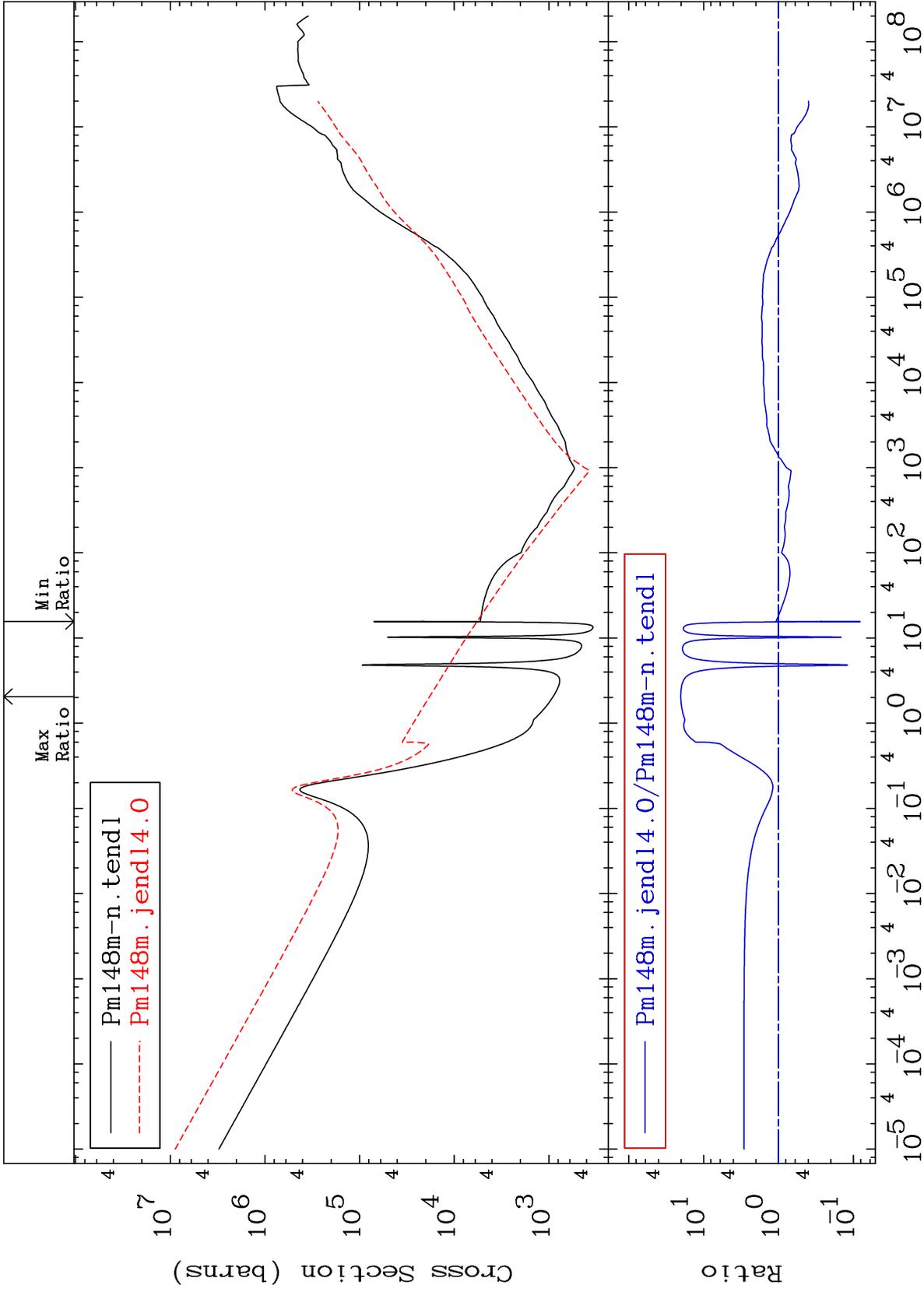
61-Pm-148  
-95.91 To 7326. %



MAT 6153

Dpa total (eV-barns)  
Cross Section

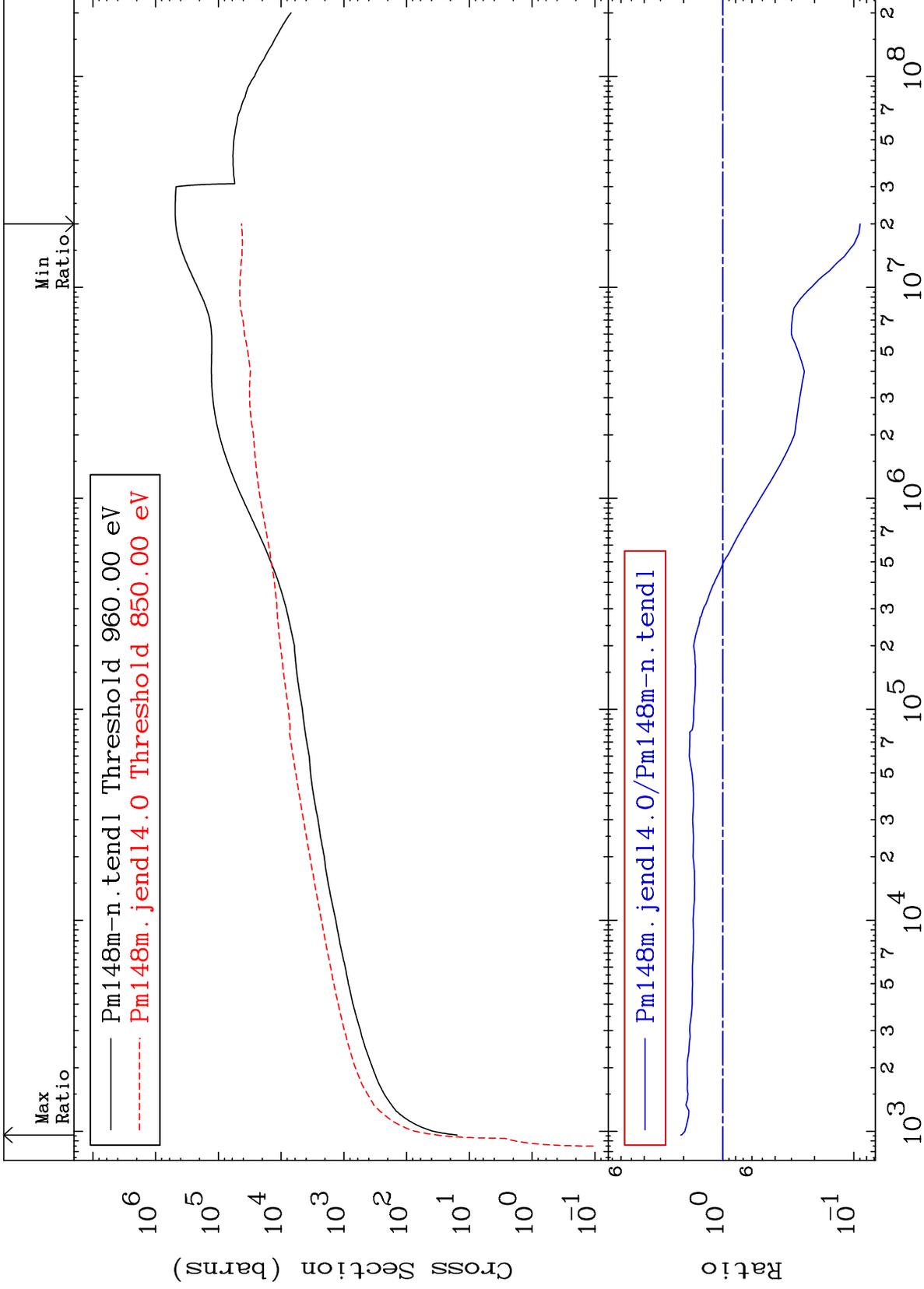
61-Pm-148  
-91.86 To 1919. %



MAT 6153

Dpa elastic (mt2)  
Cross Section

61-Pm-148  
-91.03 To 110.1 %



64

Incident Energy (eV)

61-Pm-148

