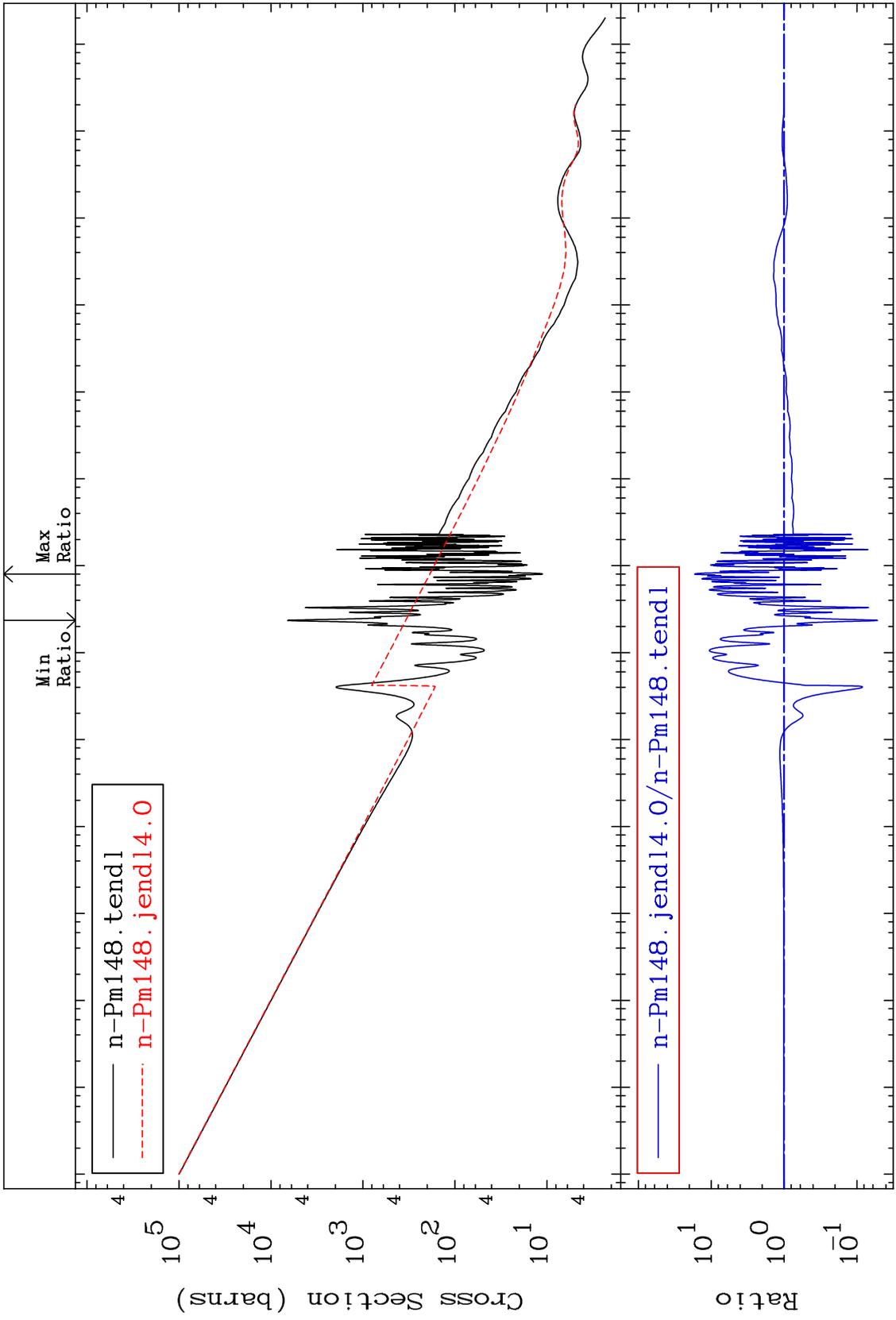


MAT 6152

Total
Cross Section

61-Pm-148
-94.81 To 1589. %

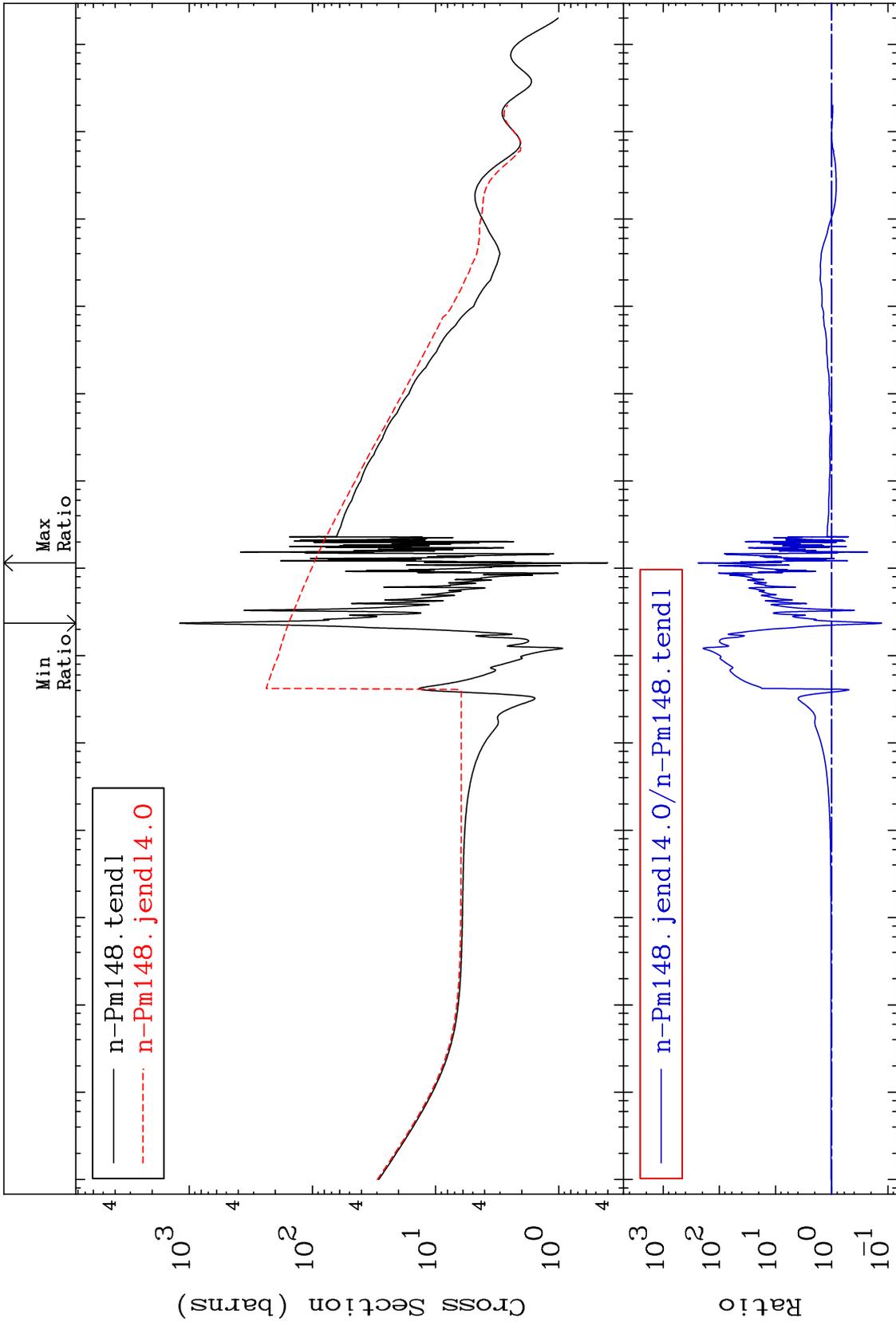


Incident Energy (eV)

61-Pm-148

MAT 6152

Elastic Cross Section
61-Pm-148
-87.00 To 9999. %



61-Pm-148

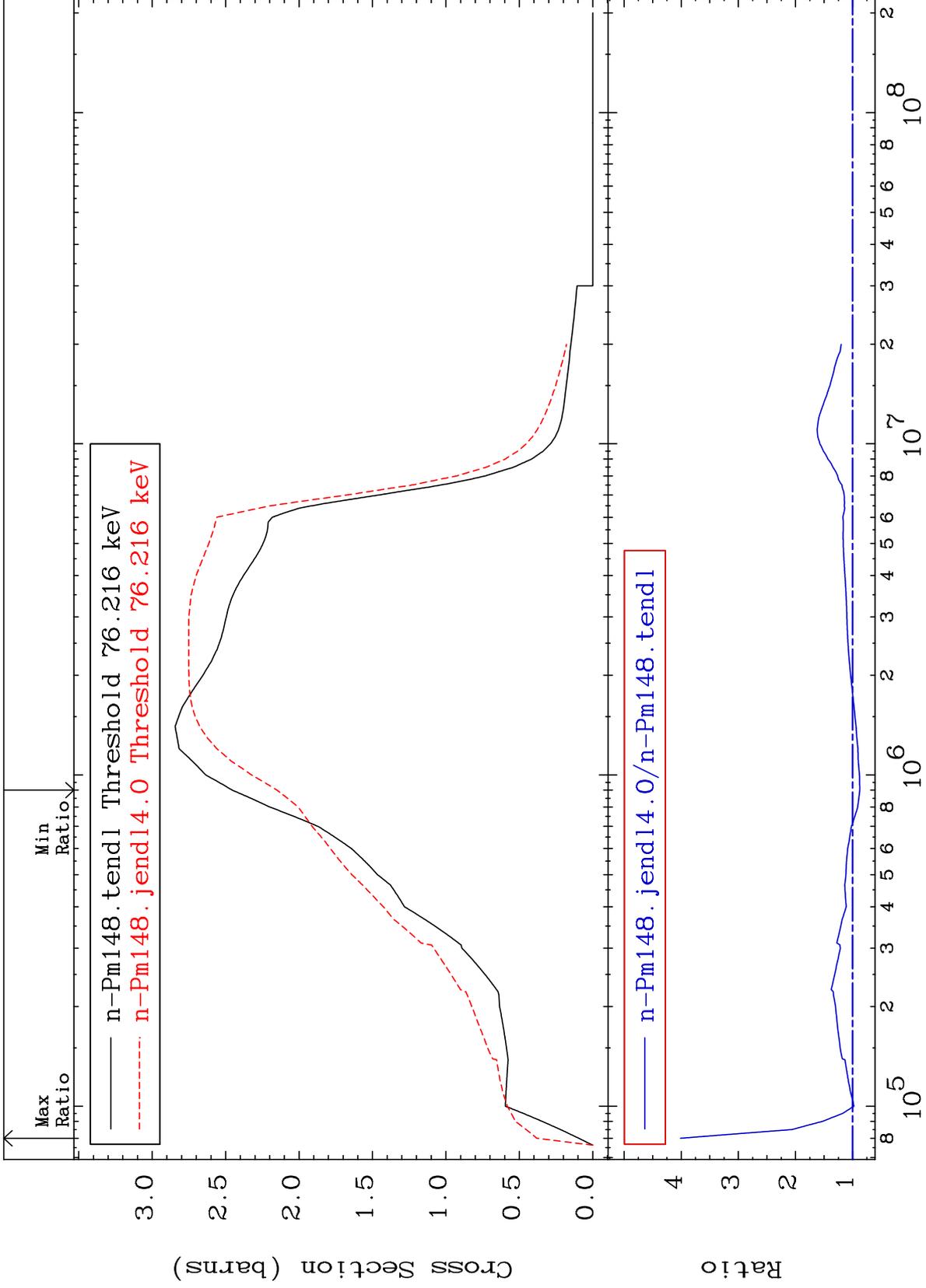
Incident Energy (eV)

2

MAT 6152

Inelastic
Cross Section

61-Pm-148
-12.41 To 301.2 %



MAT 6152

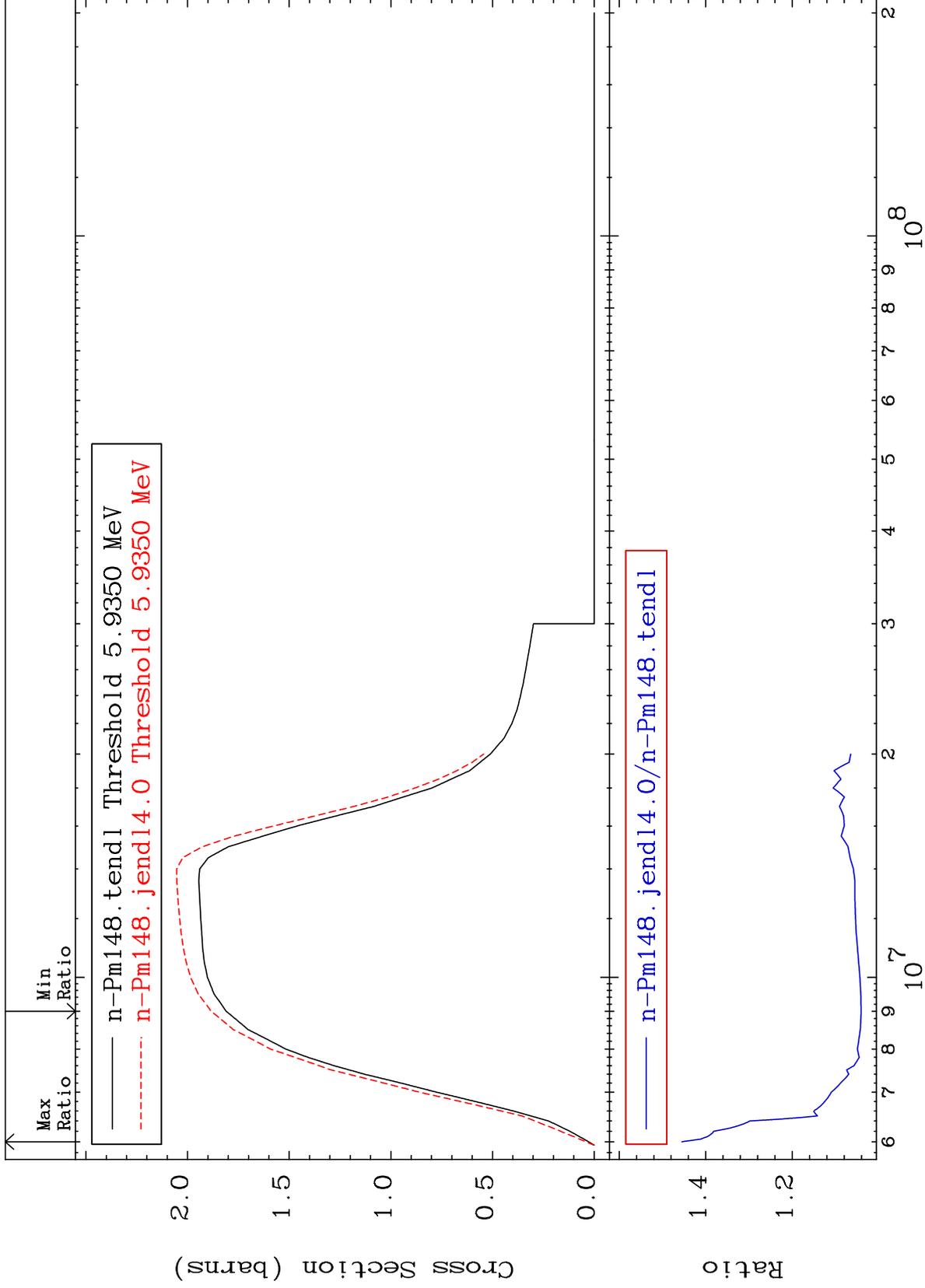
(n,2n)

61-Pm-148

Cross Section

4.075

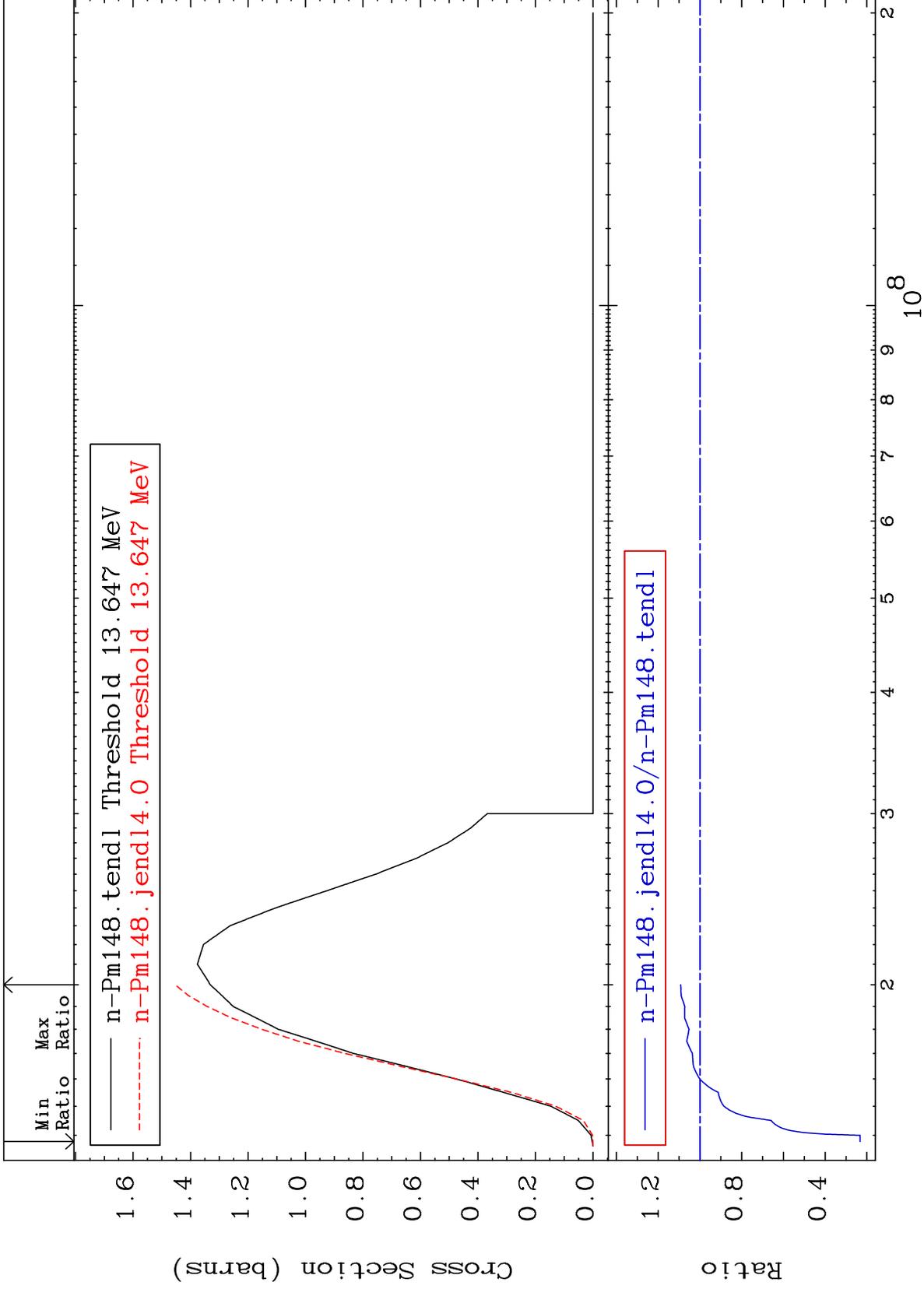
To 45.50 %



4

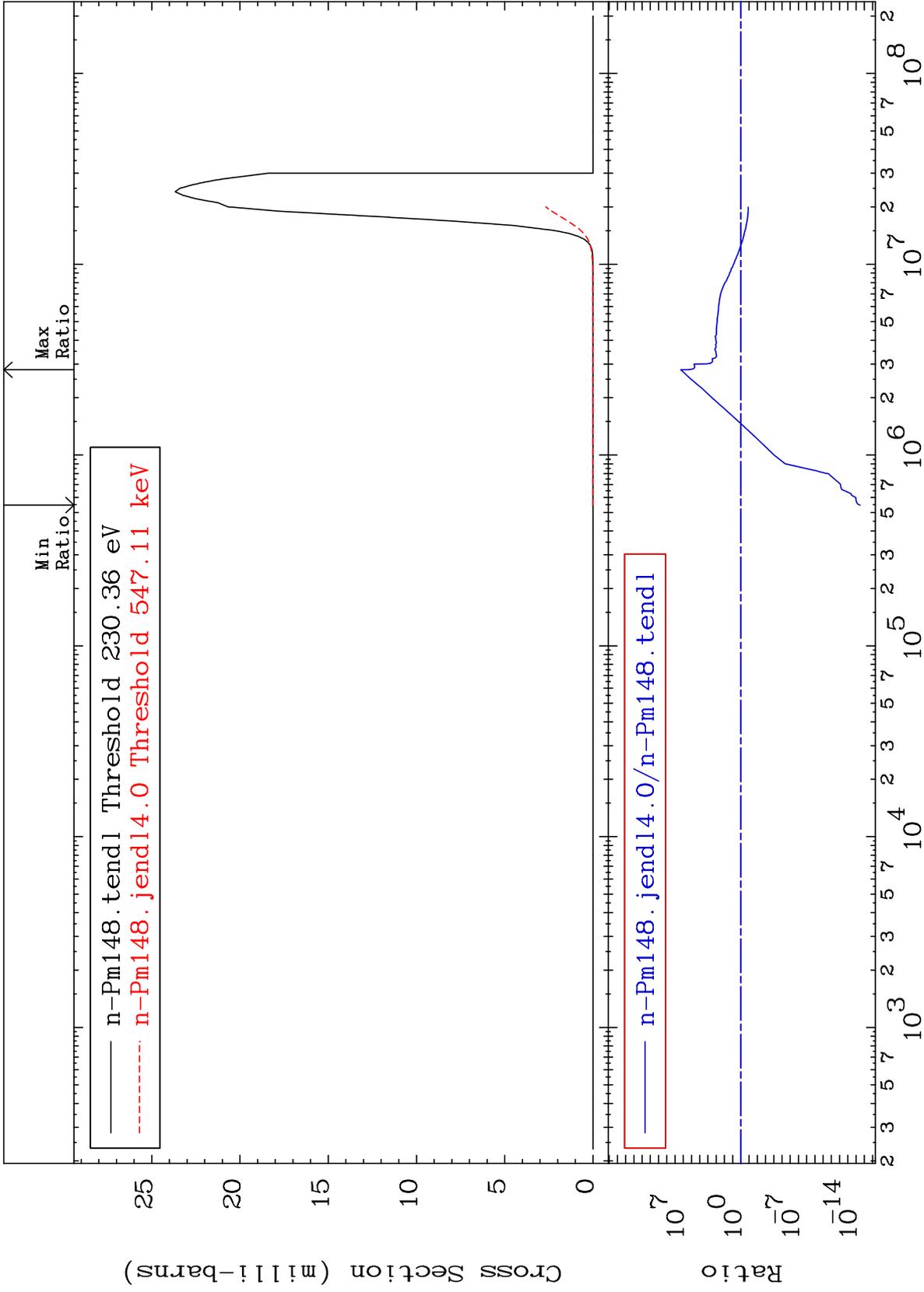
61-Pm-148

61-Pm-148



MAT 6152

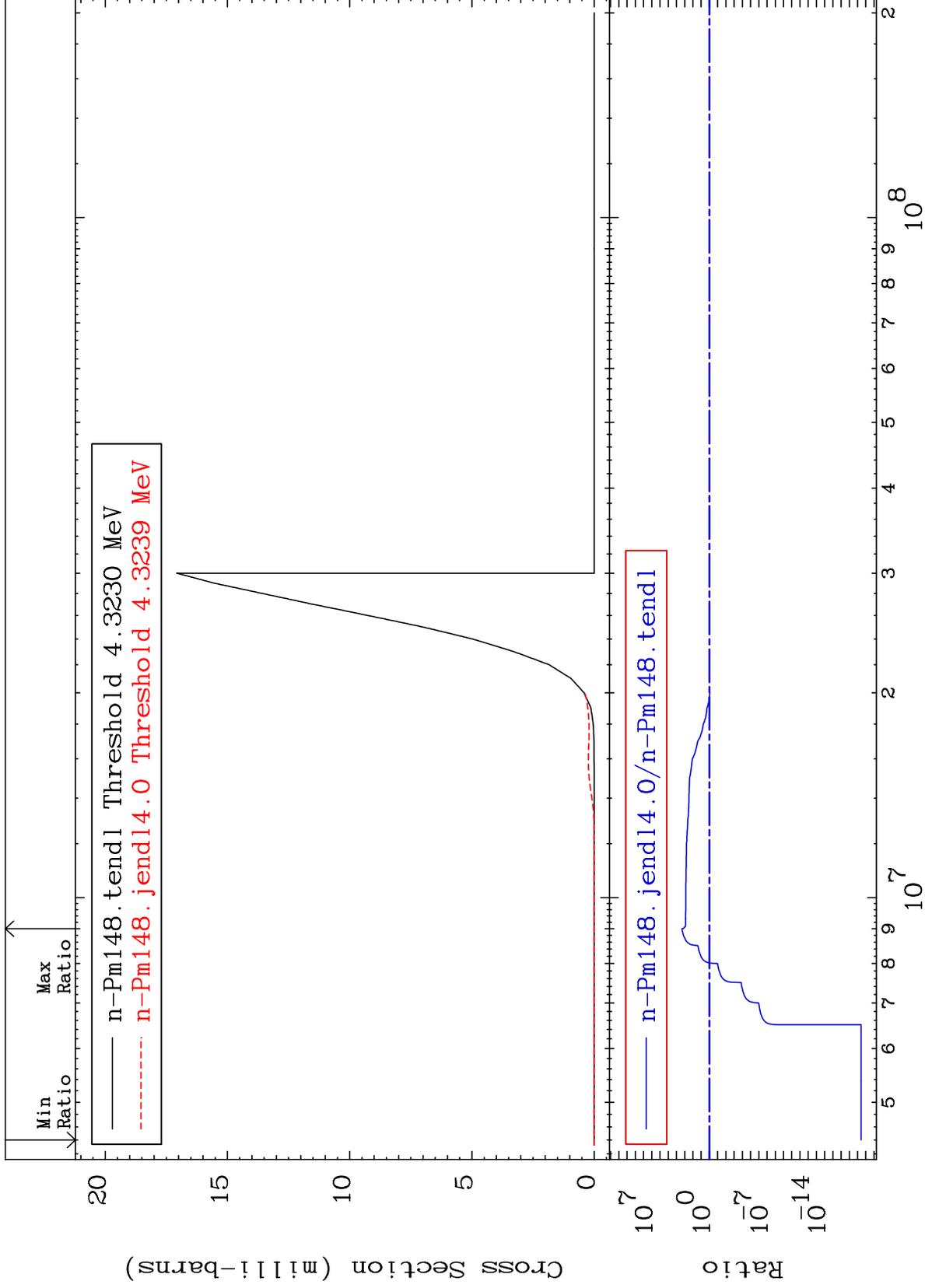
$(n, n') \alpha$
Cross Section
61-Pm-148
-100.0 To 9999. %



MAT 6152

(n,2n) α
Cross Section

61-Pm-148
-100.0 To 9999. %



7

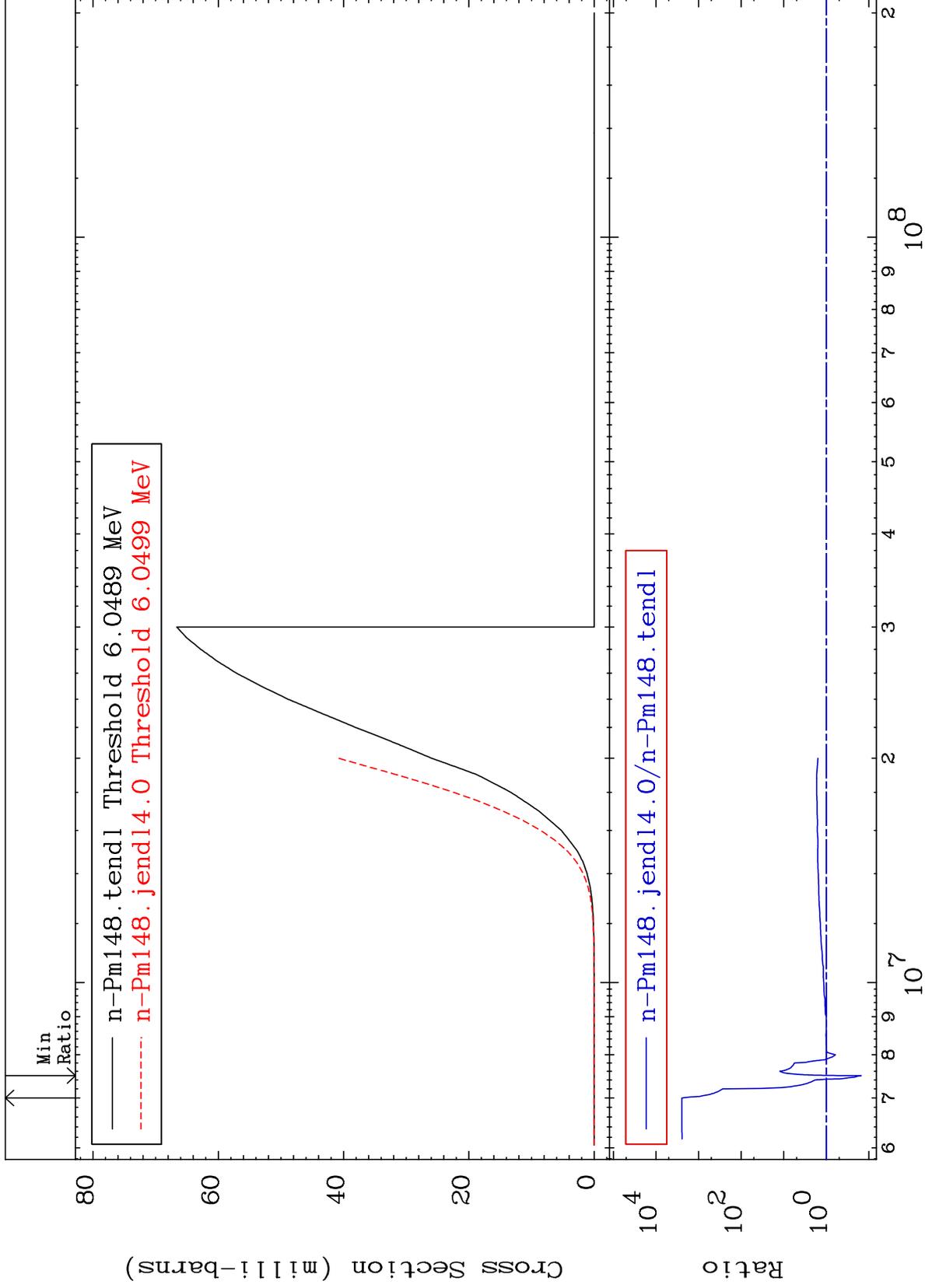
61-Pm-148

61-Pm-148

MAT 6152

(n,n') p
Cross Section

61-Pm-148
-84.79 To 9999. %



8

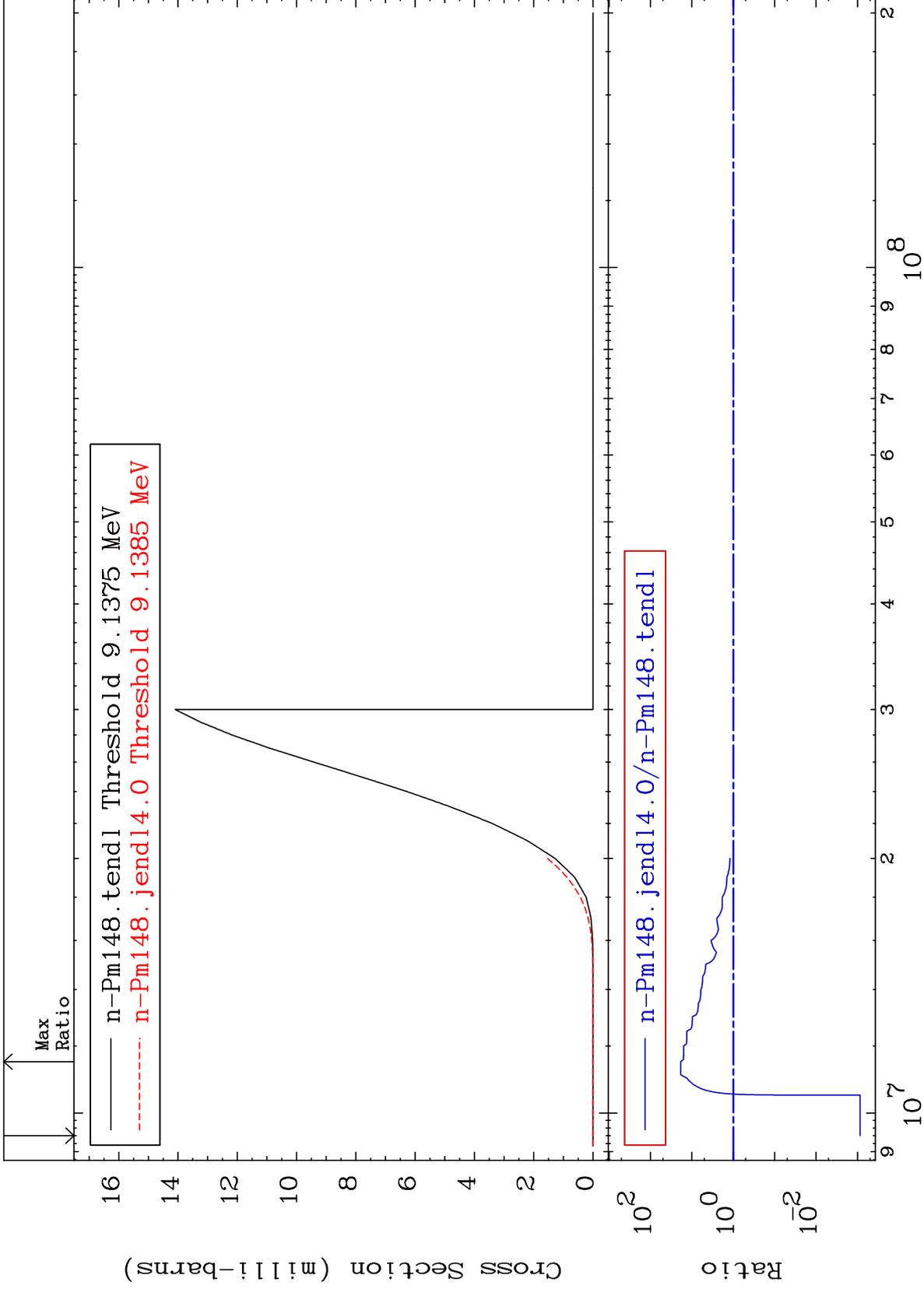
Incident Energy (eV)

61-Pm-148

MAT 6152

(n,n') d
Cross Section

61-Pm-148
-99.91 To 1752. %



Incident Energy (eV)

61-Pm-148

9

9

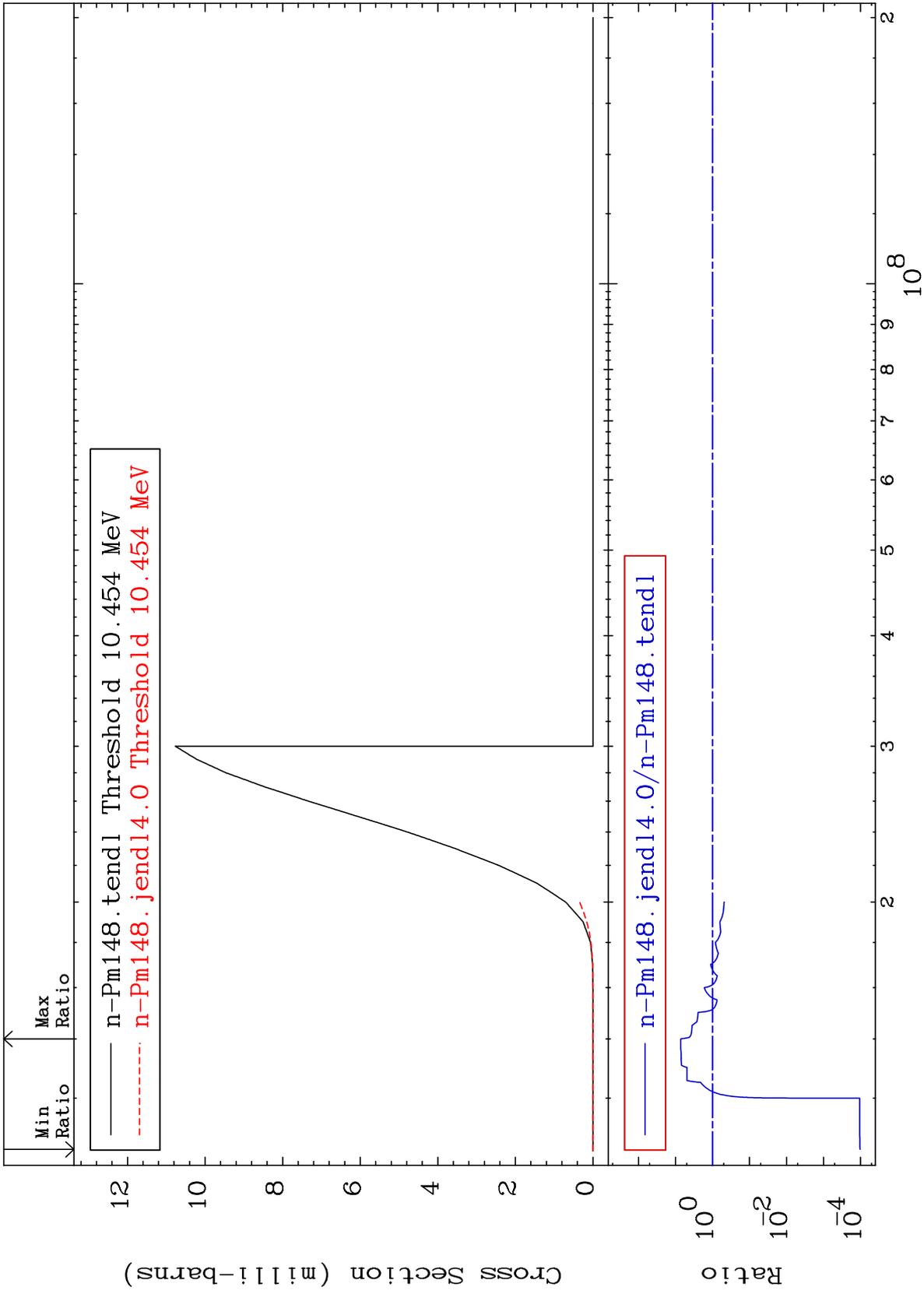
MAT 6152

(n,n') t

61-Pm-148

Cross Section

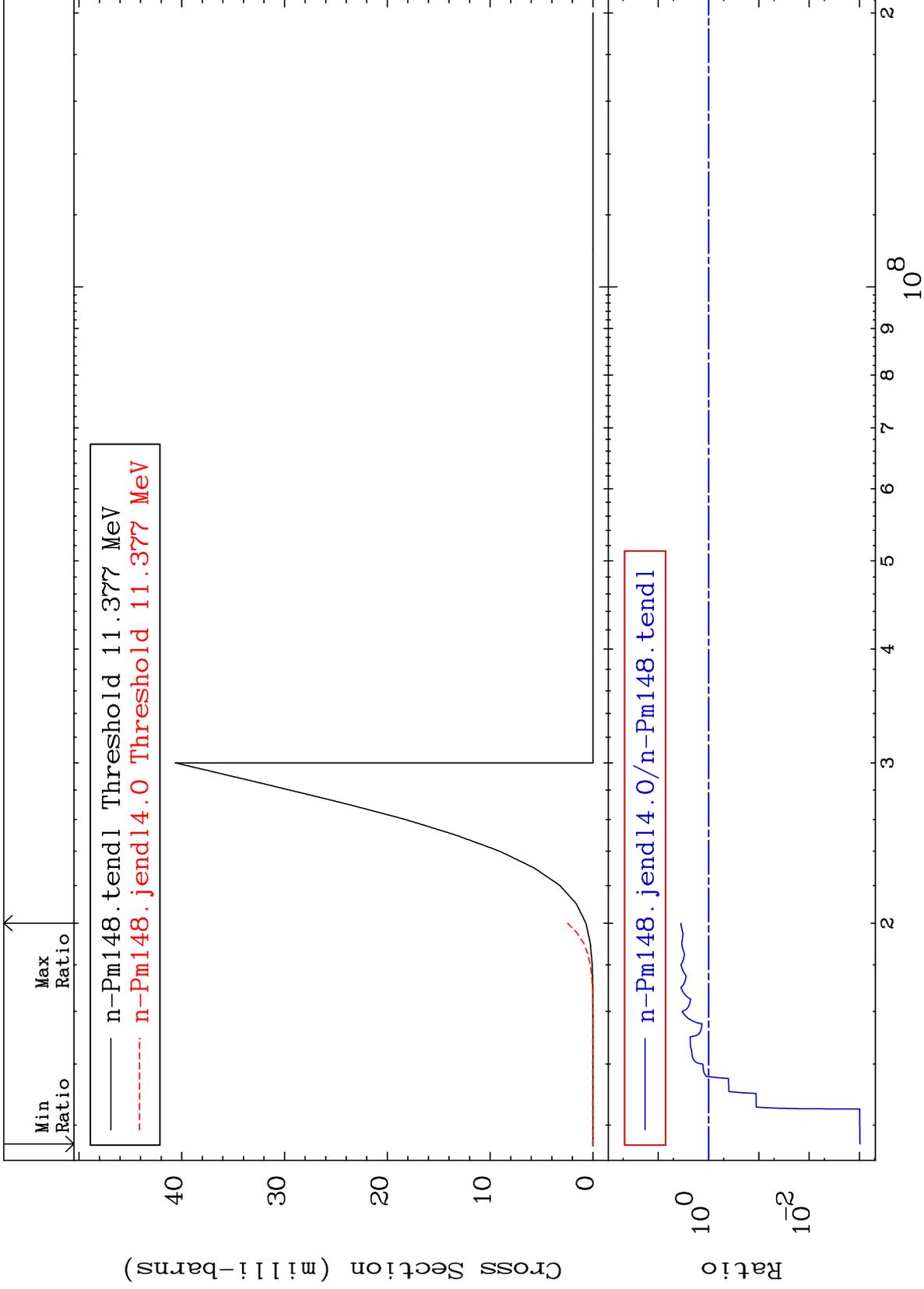
-99.99 To 622.7 %



10

Incident Energy (eV)

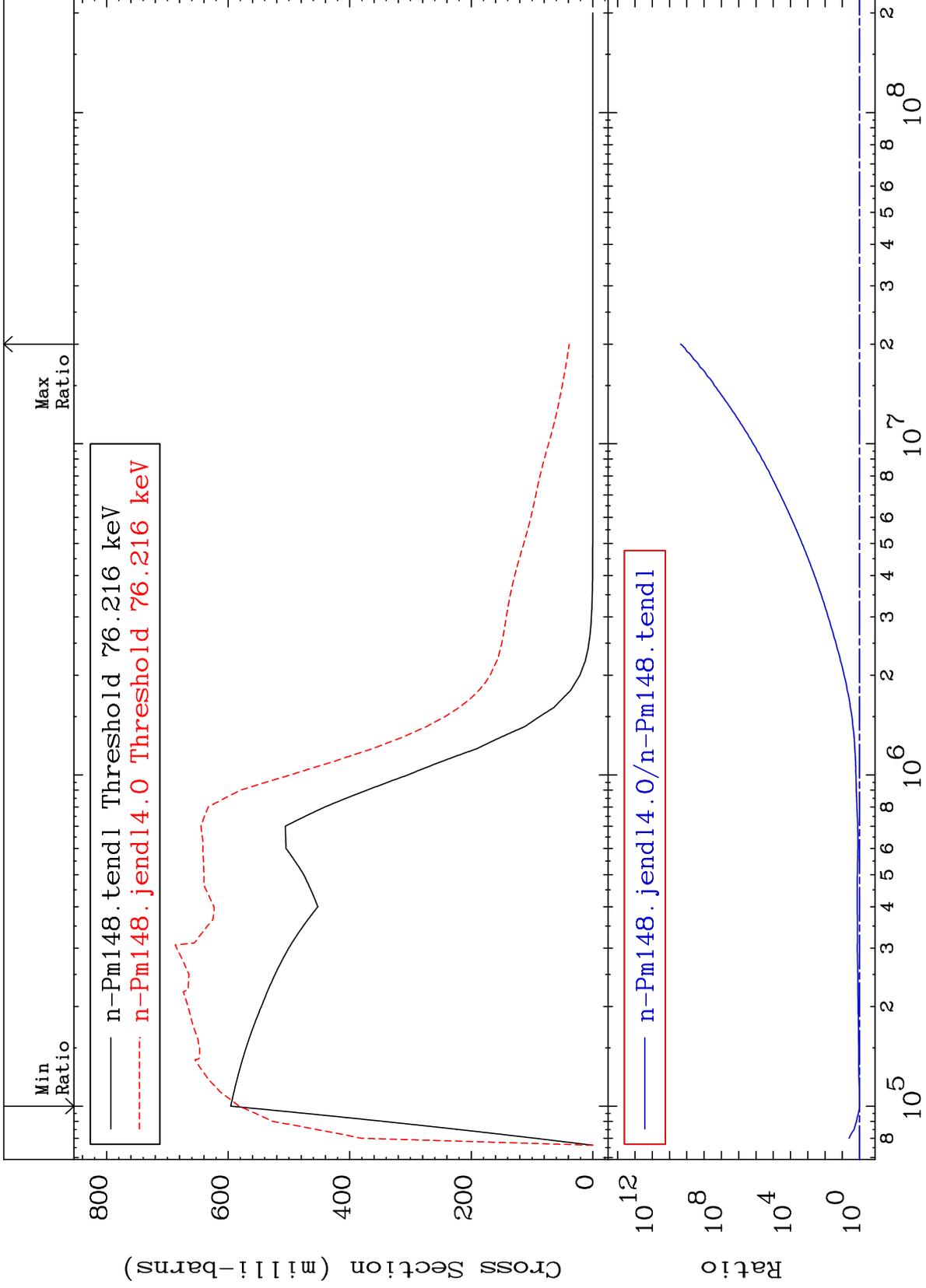
61-Pm-148



MAT 6152

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

61-Pm-148
-2.309 To 9999. %



12

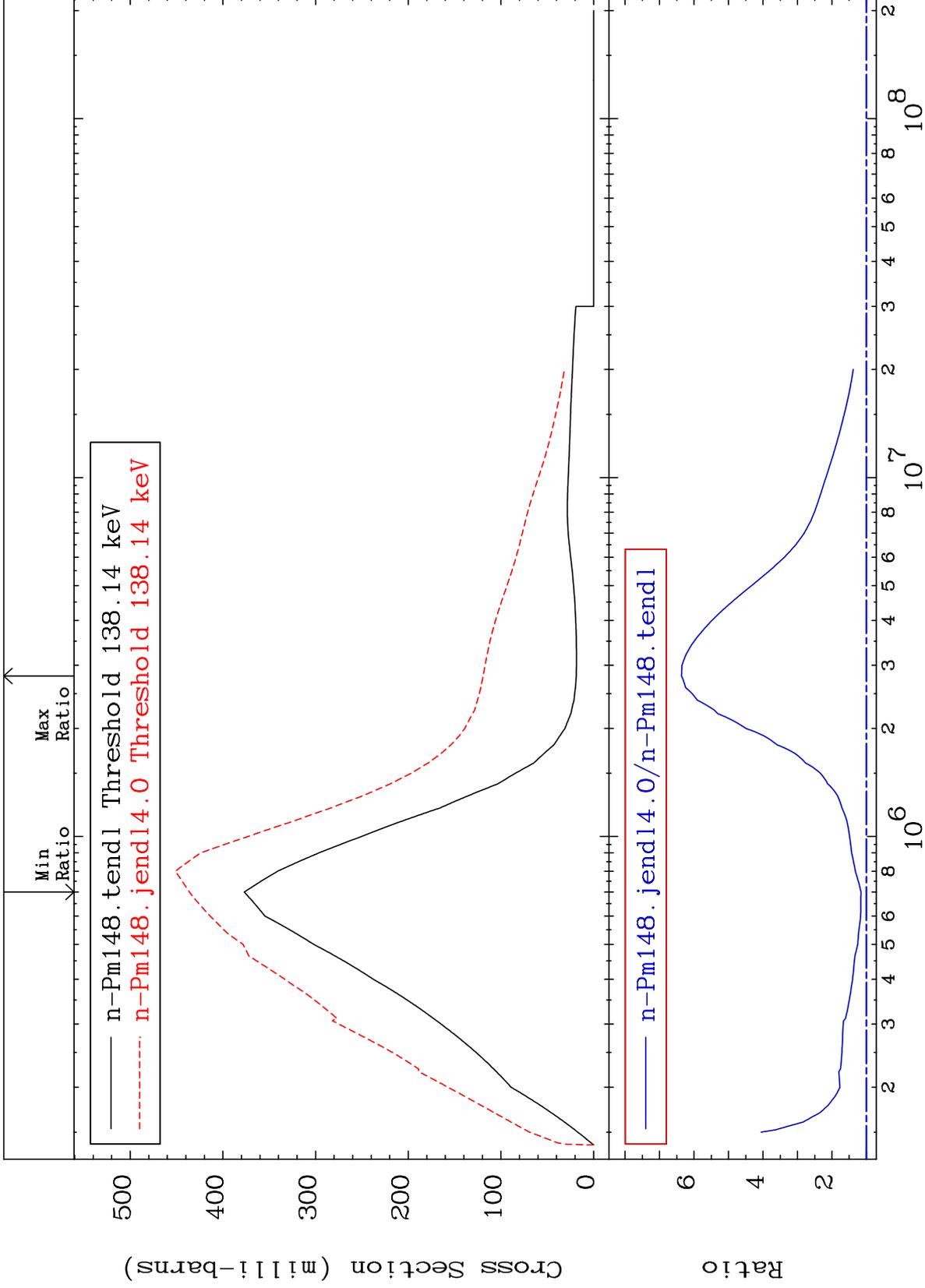
Incident Energy (eV)

61-Pm-148

MAT 6152

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

61-Pm-148
15.71 To 536.4 %



13

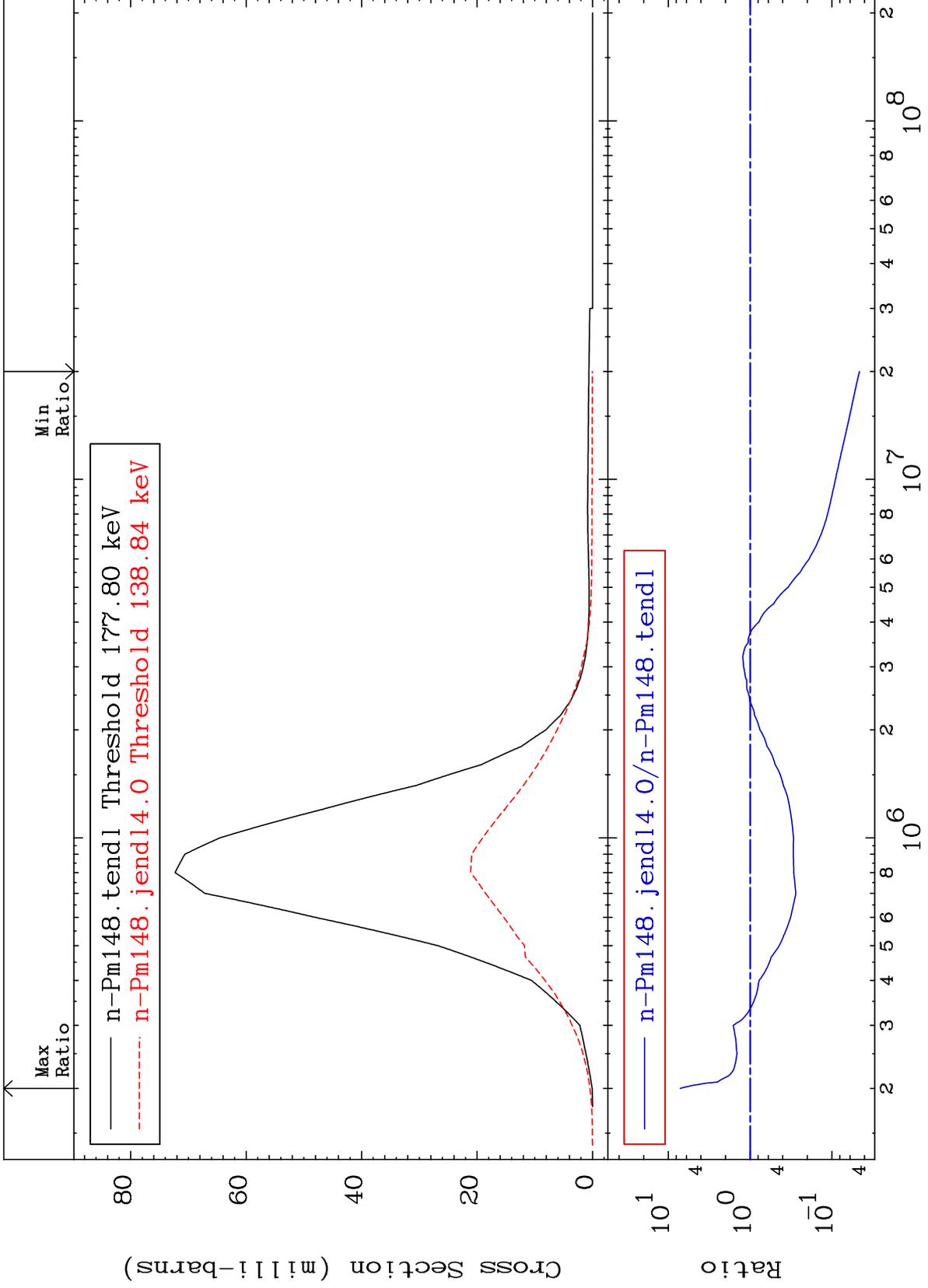
Incident Energy (eV)

61-Pm-148

MAT 6152

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

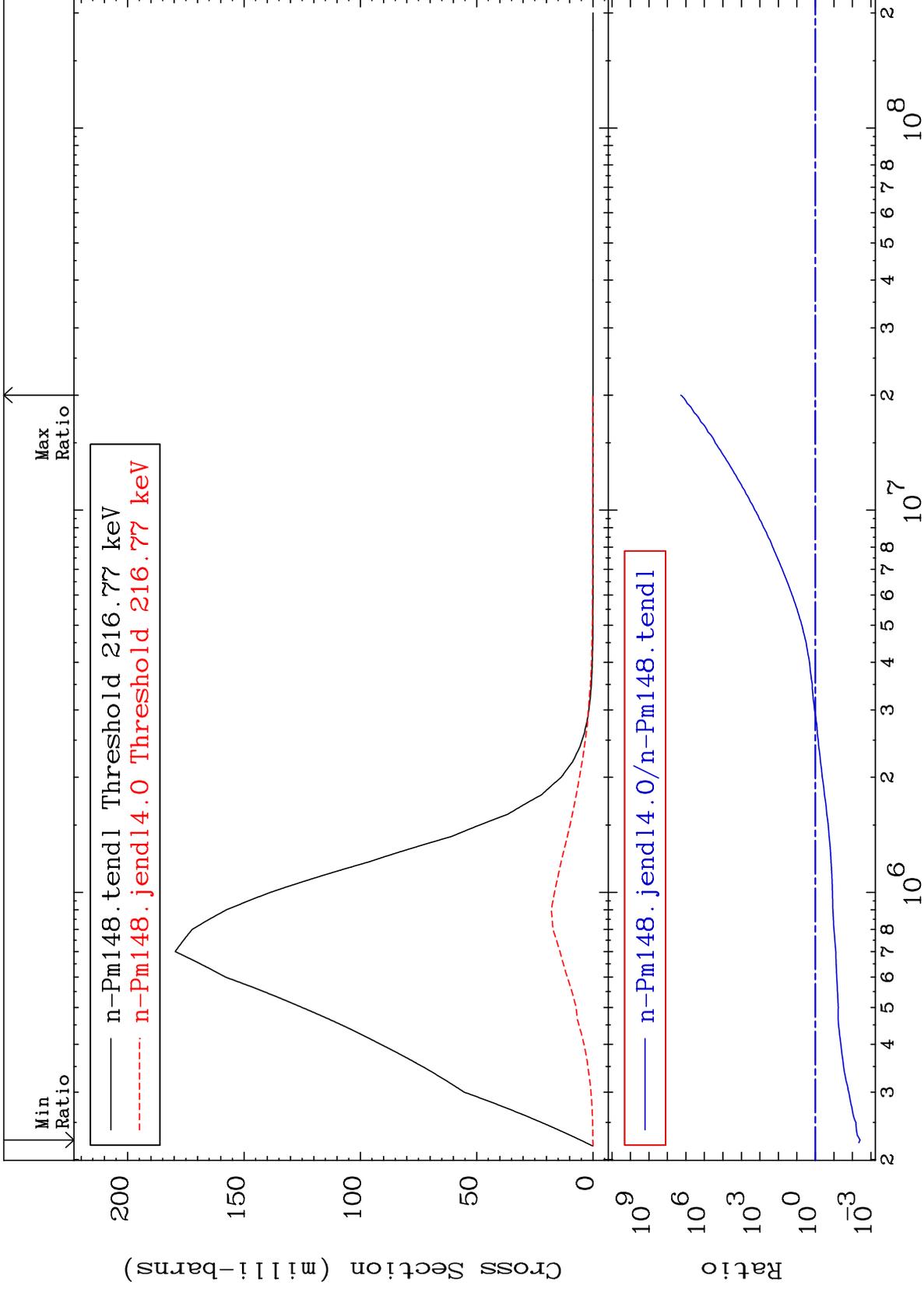
61-Pm-148
-95.40 To 613.6 %



MAT 6152

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

61-Pm-148
-99.62 To 9999. %



15

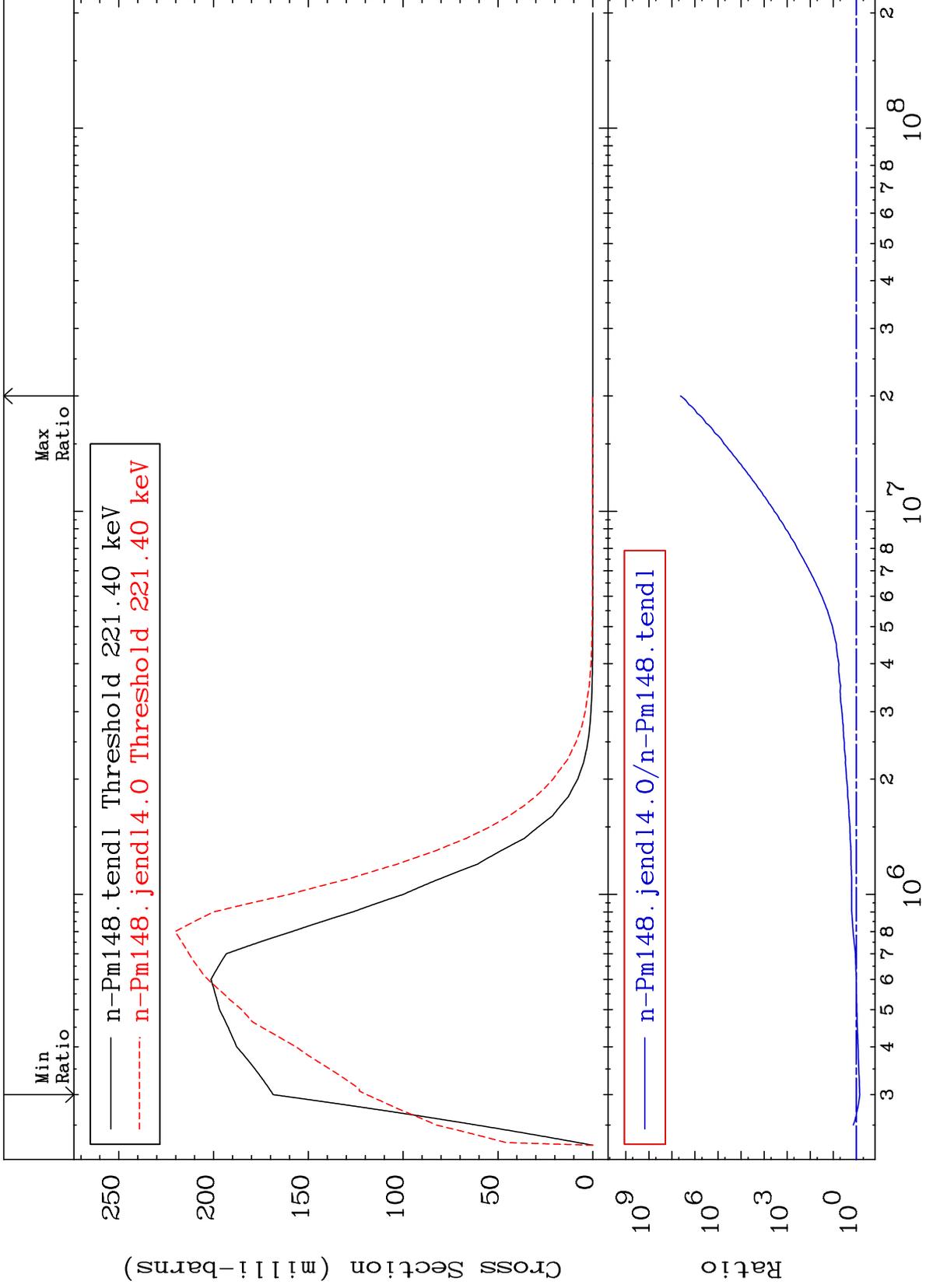
Incident Energy (eV)

61-Pm-148

MAT 6152

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

61-Pm-148
-29.33 To 9999. %



16

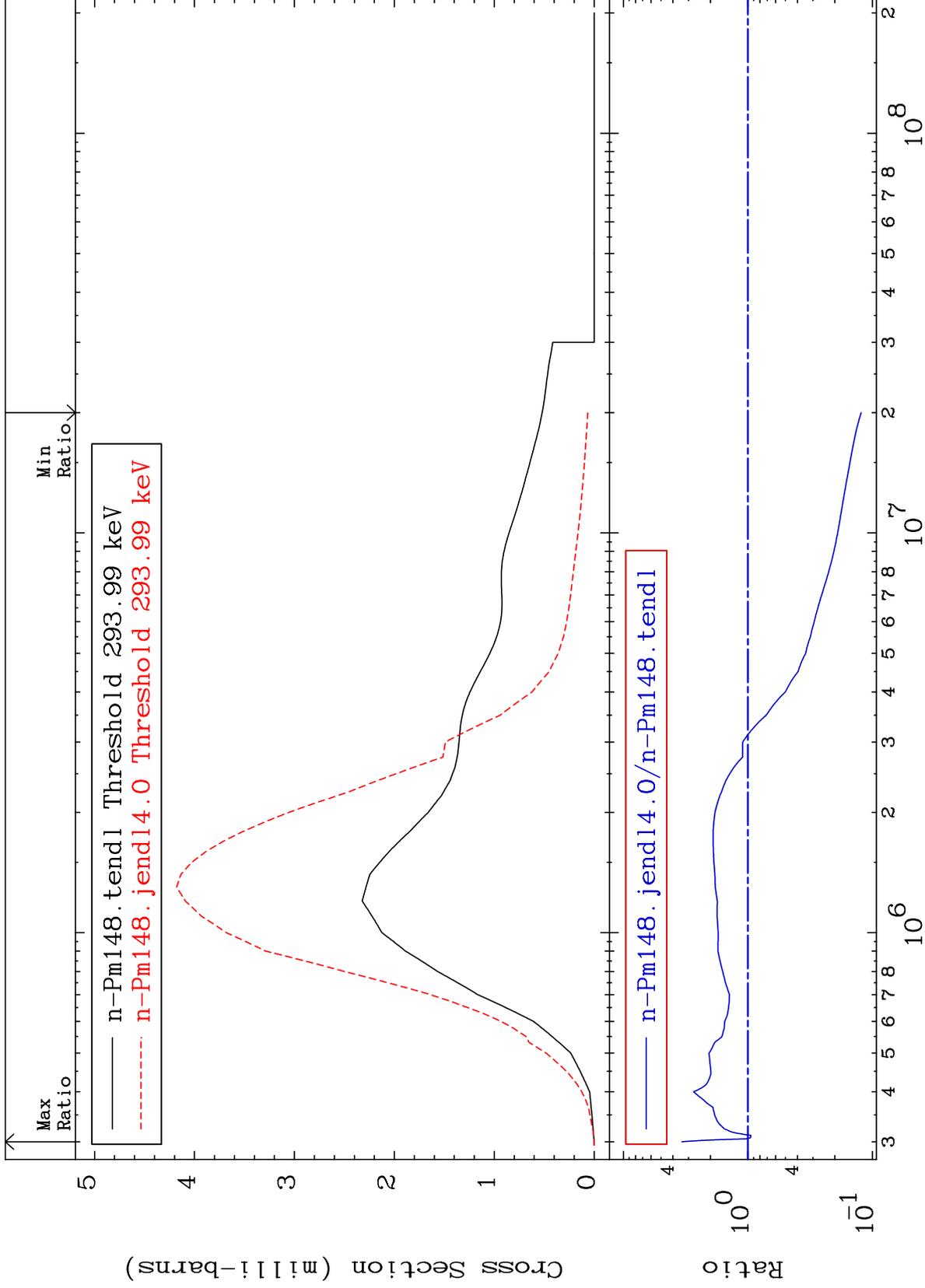
Incident Energy (eV)

61-Pm-148

MAT 6152

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

61-Pm-148
-87.69 To 239.0 %



17

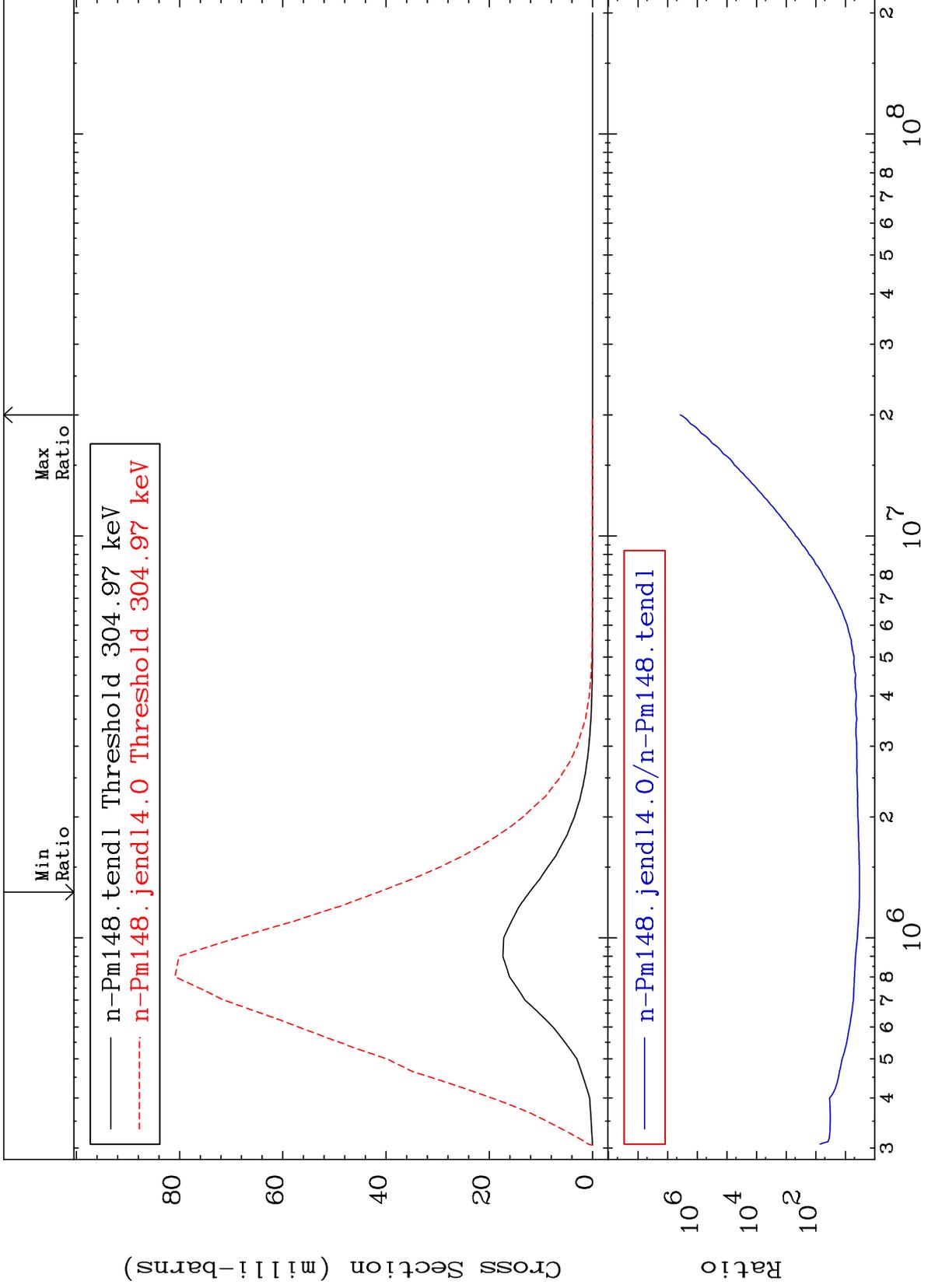
Incident Energy (eV)

61-Pm-148

MAT 6152

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

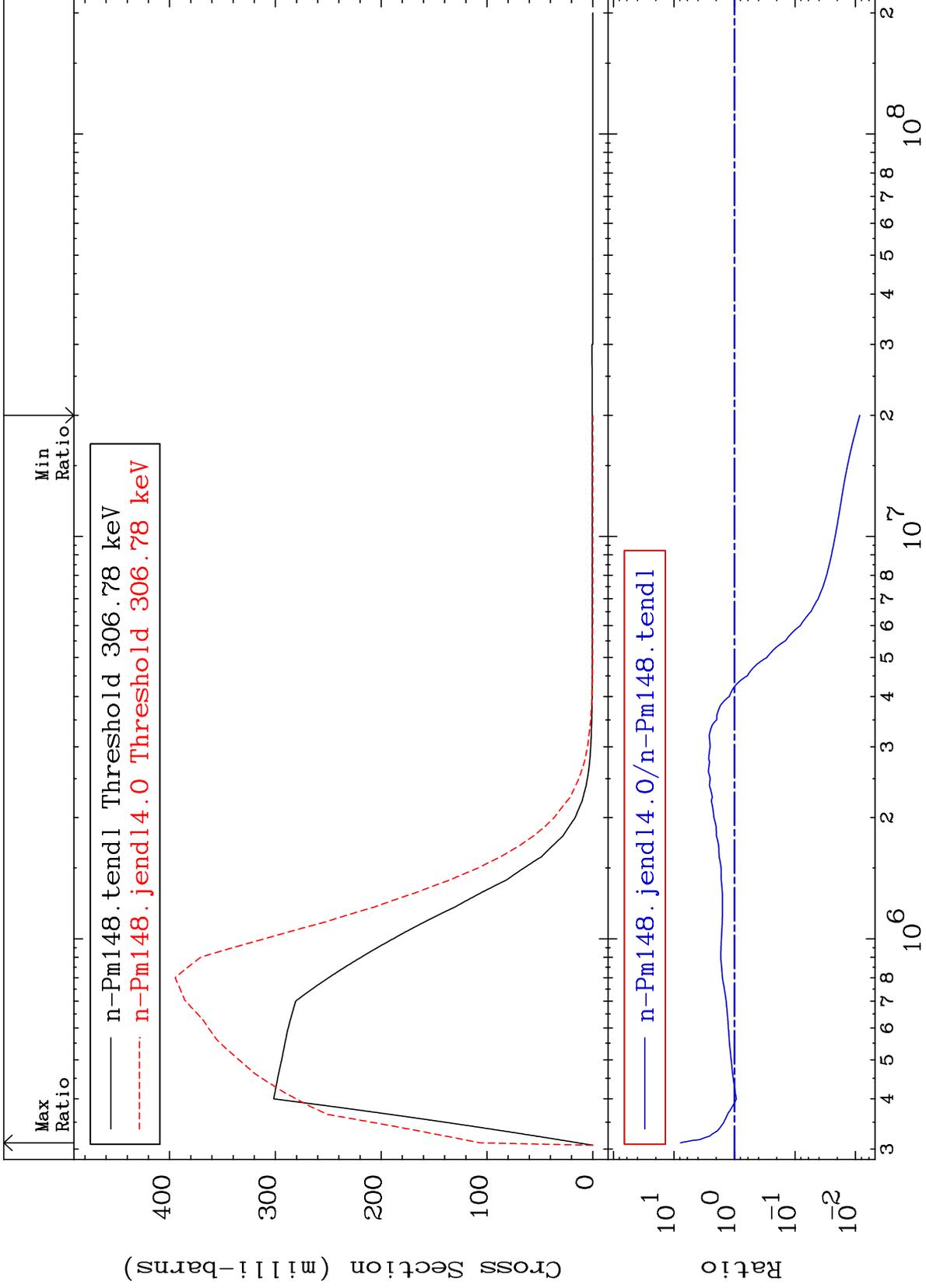
61-Pm-148
239.7 To 9999. %



MAT 6152

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

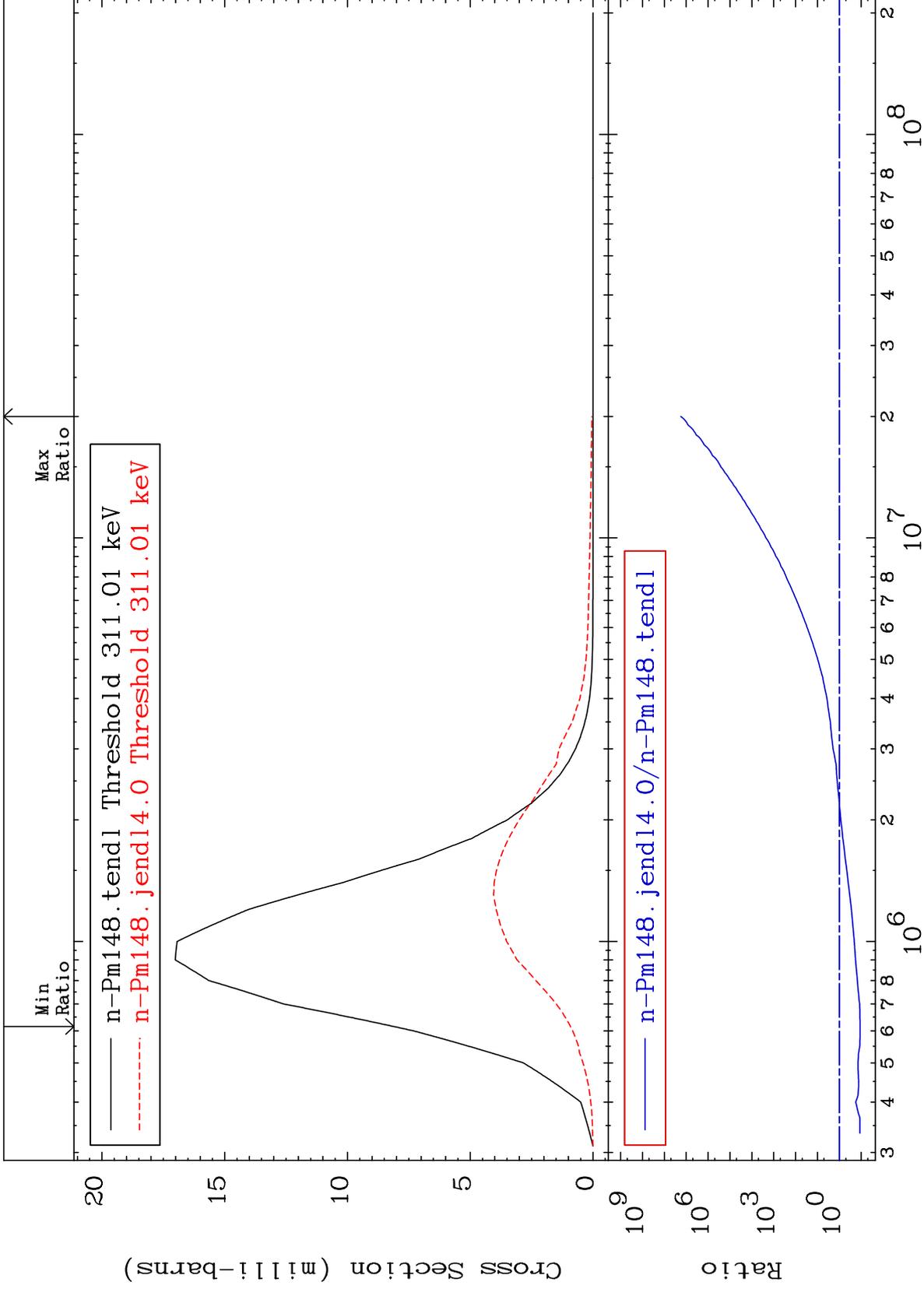
61-Pm-148
-99.15 To 679.6 %



MAT 6152

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

61-Pm-148
-88.74 To 9999. %



20

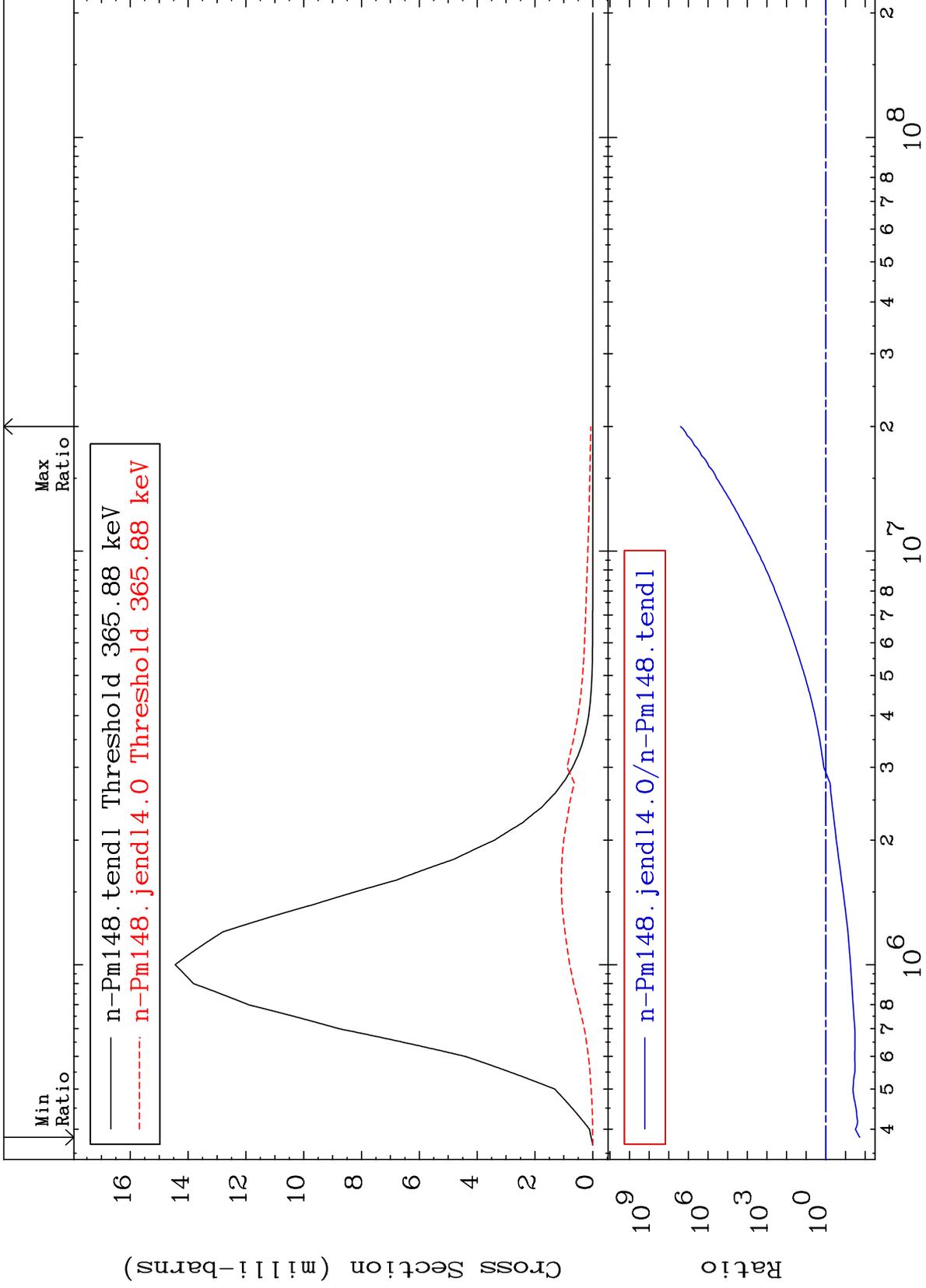
Incident Energy (eV)

61-Pm-148

MAT 6152

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

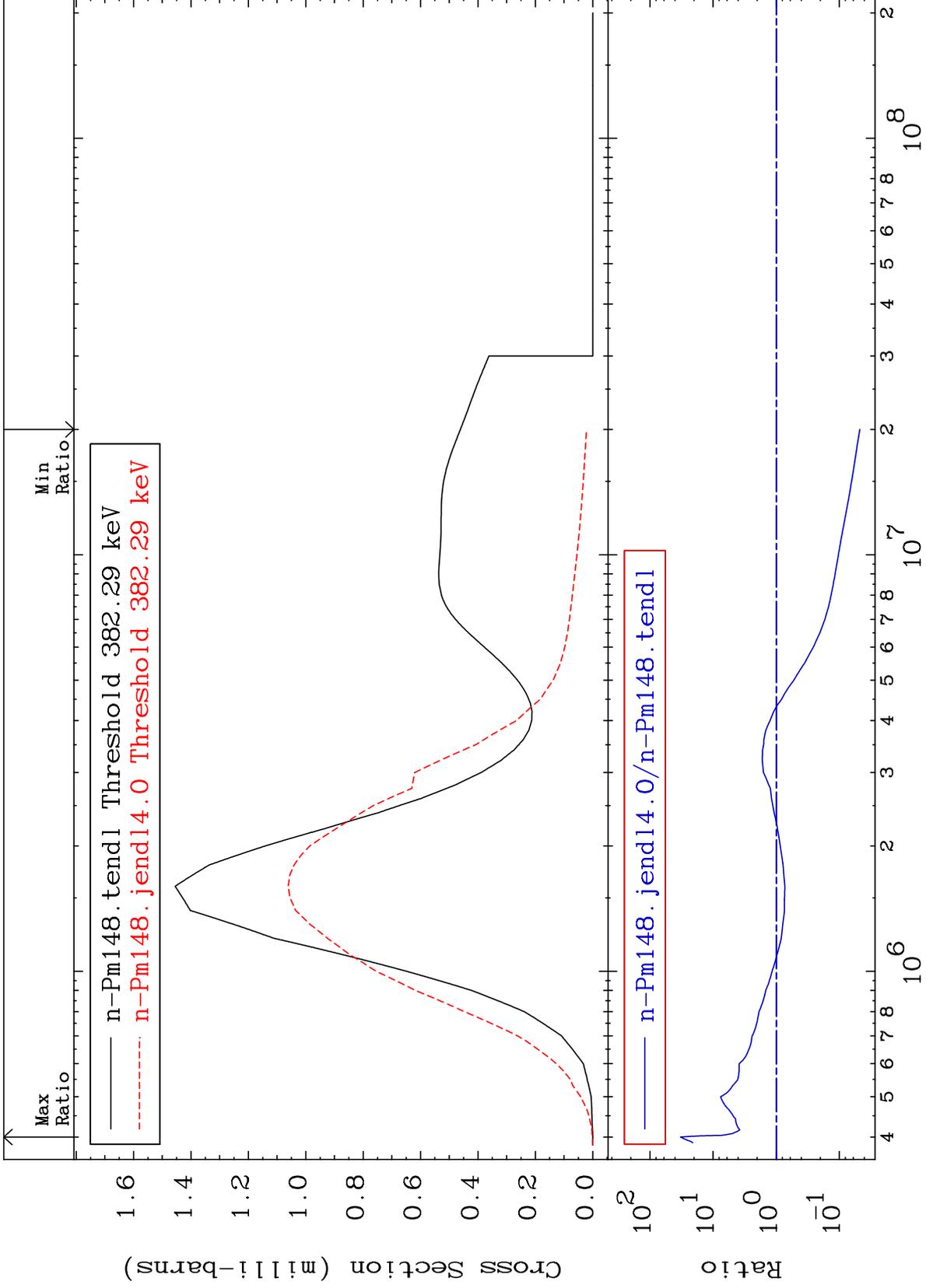
61-Pm-148
-98.12 To 9999. %



MAT 6152

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

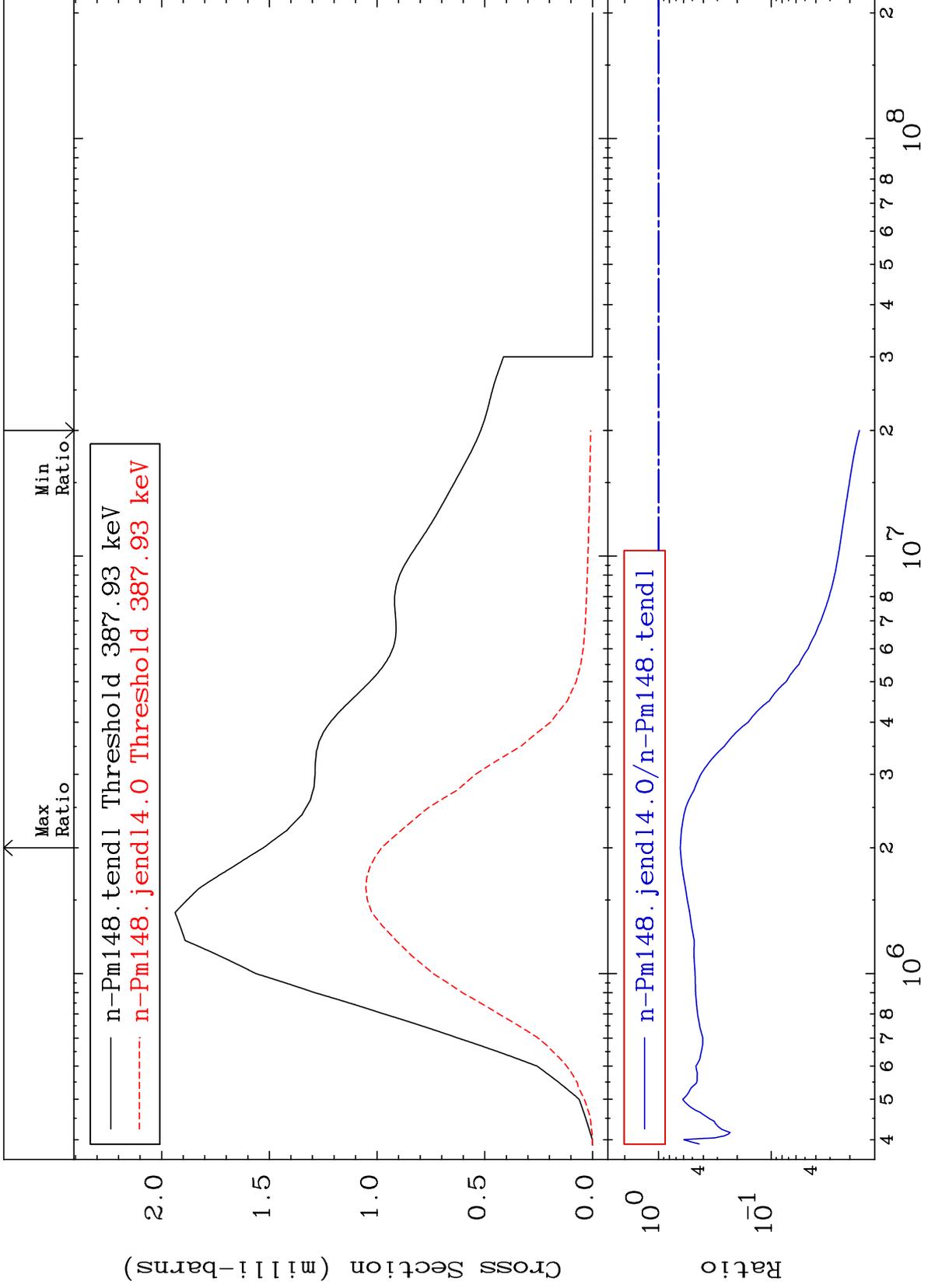
61-Pm-148
-95.26 To 3175. %



MAT 6152

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

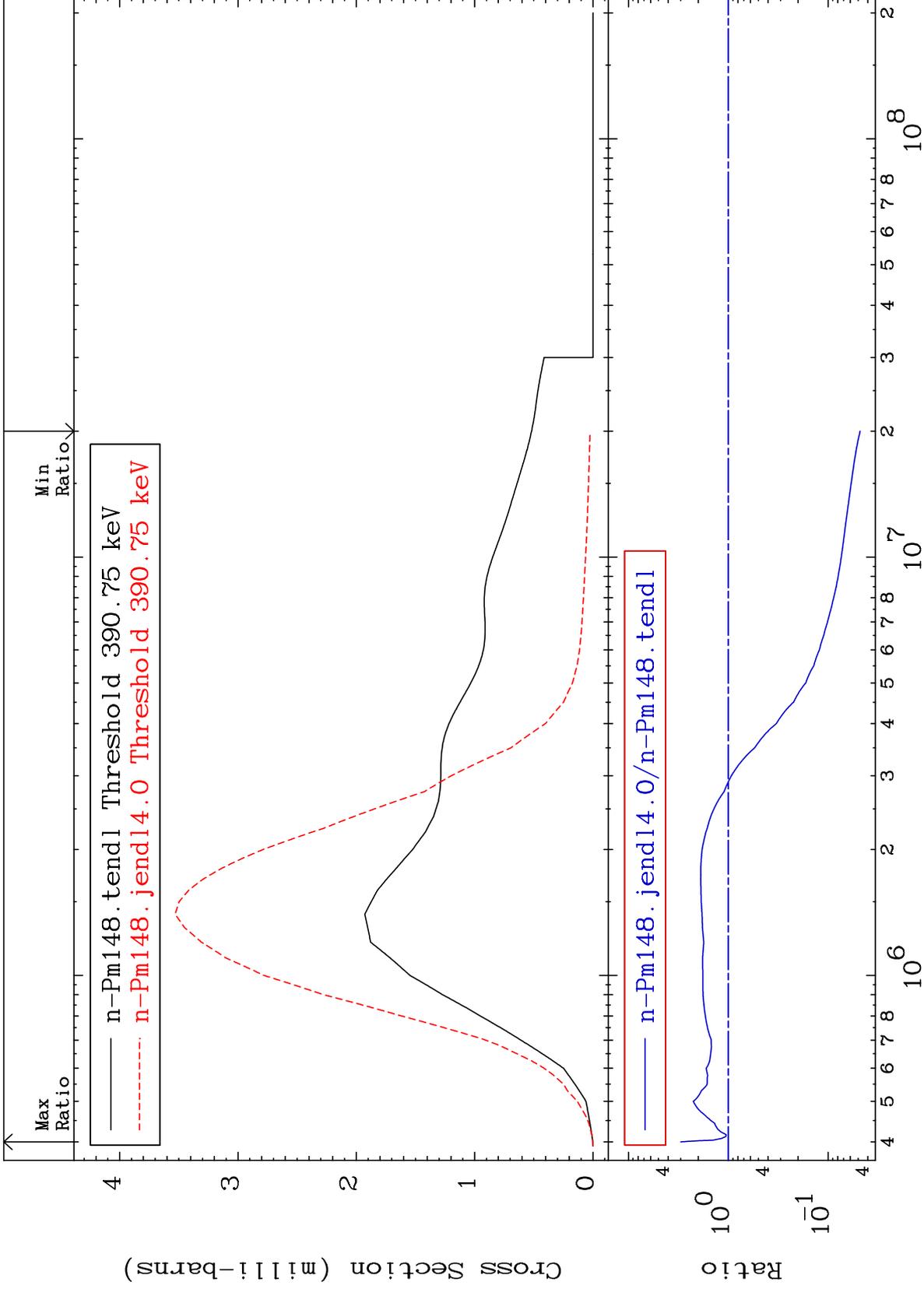
61-Pm-148
-98.36 To -35.89%



MAT 6152

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

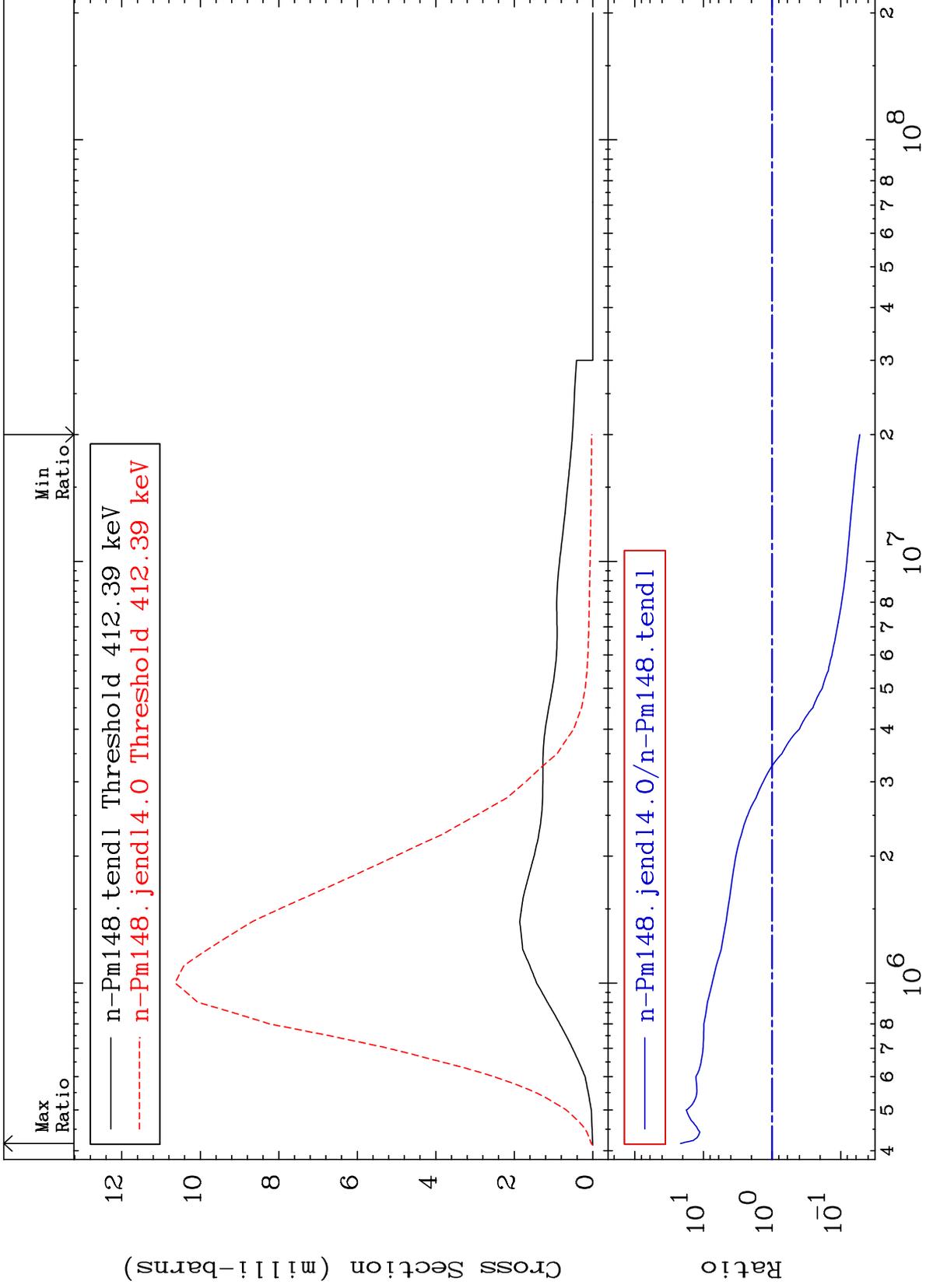
61-Pm-148
-95.22 To 199.1 %



MAT 6152

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

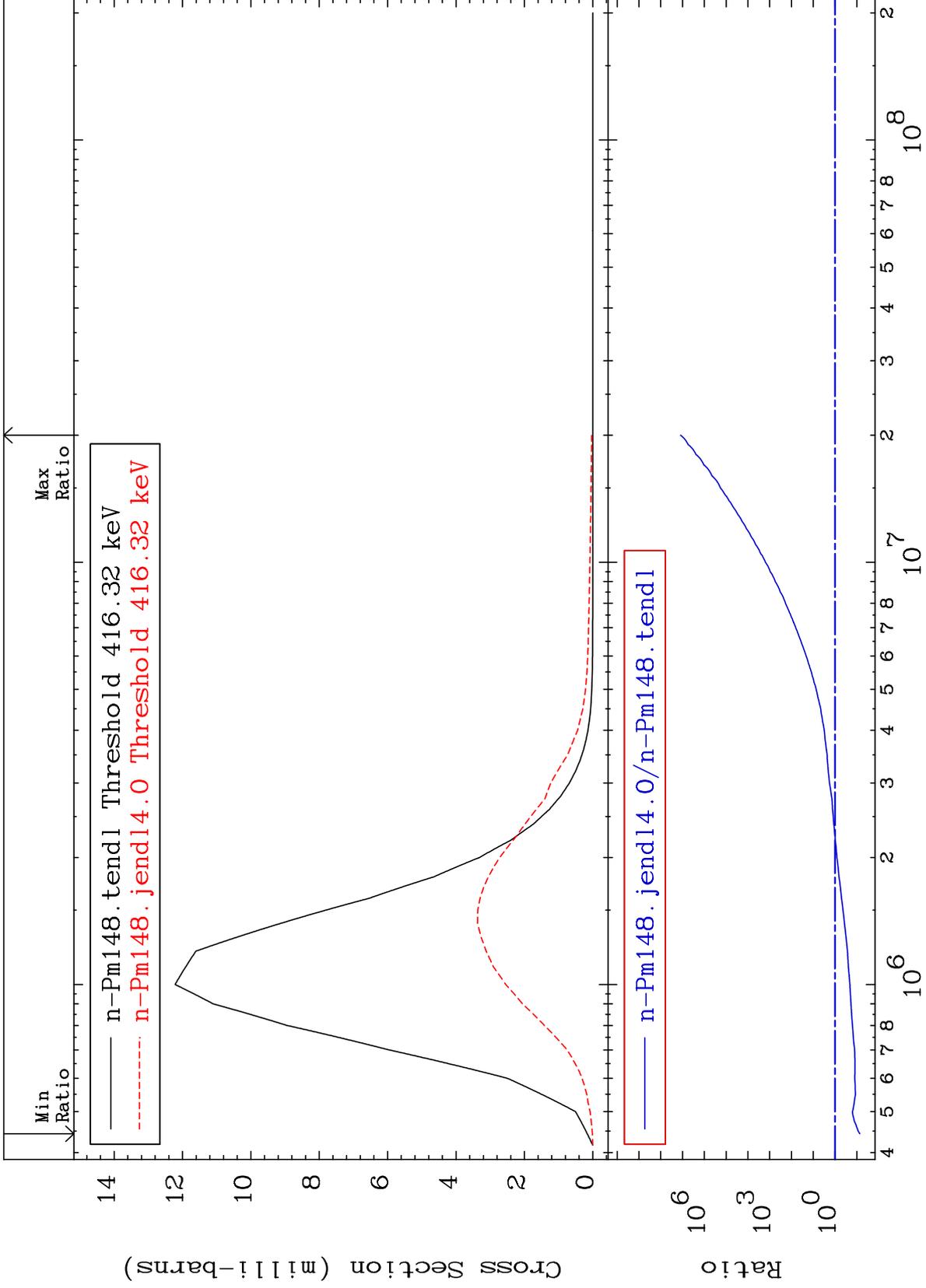
61-Pm-148
-94.73 To 2051. %



MAT 6152

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

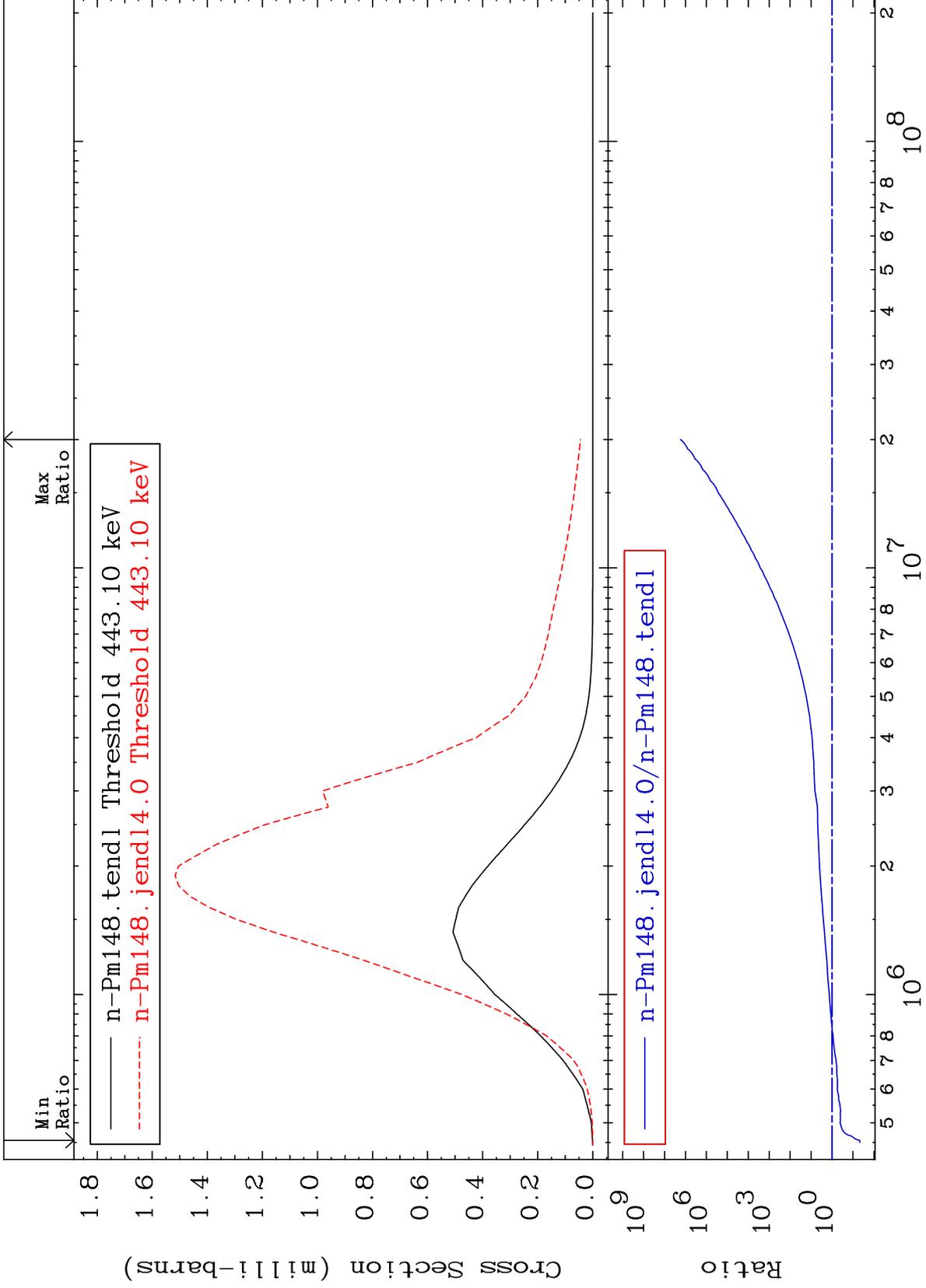
61-Pm-148
-92.68 To 9999. %



MAT 6152

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

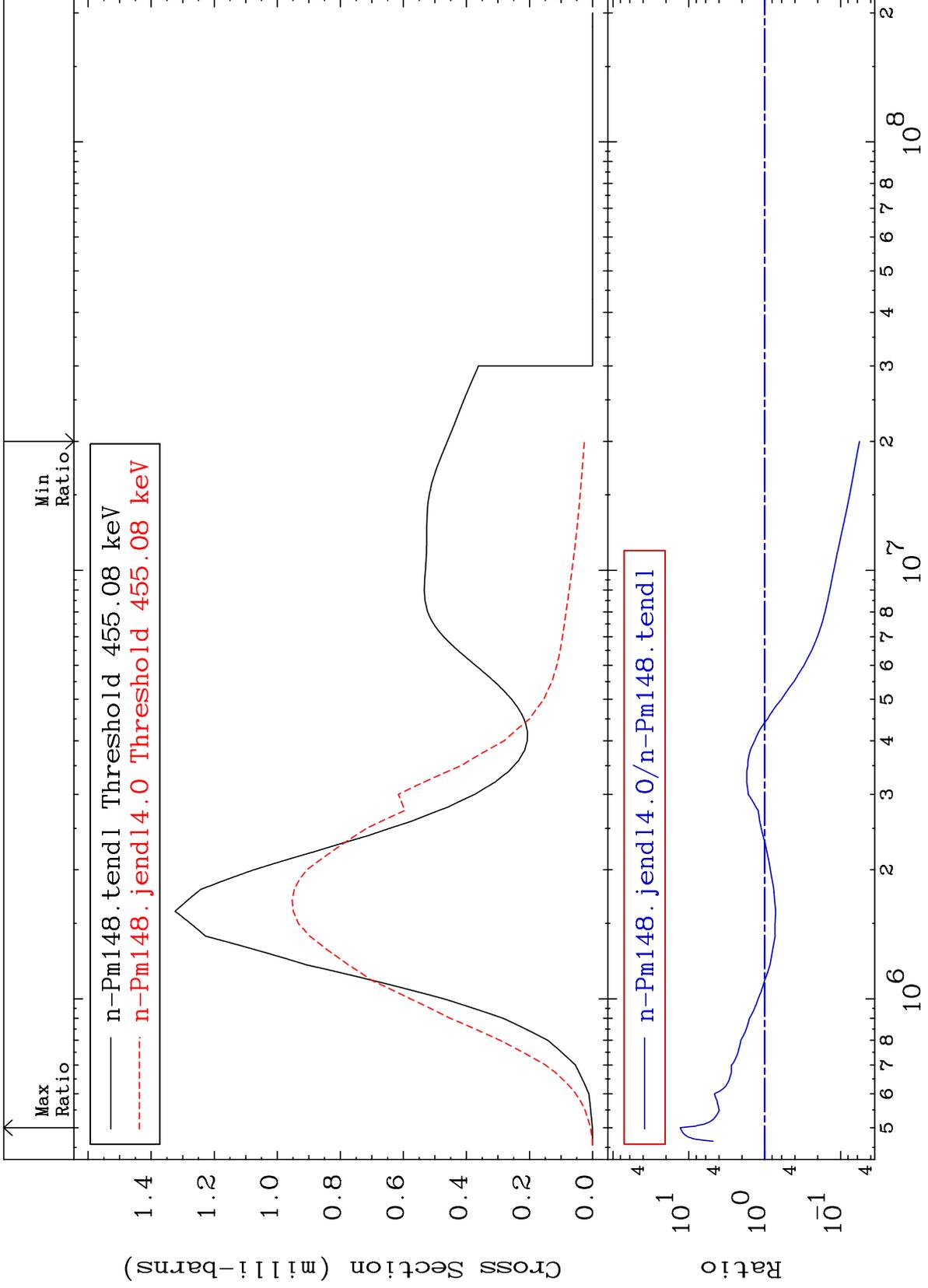
61-Pm-148
-95.28 To 9999. %



MAT 6152

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

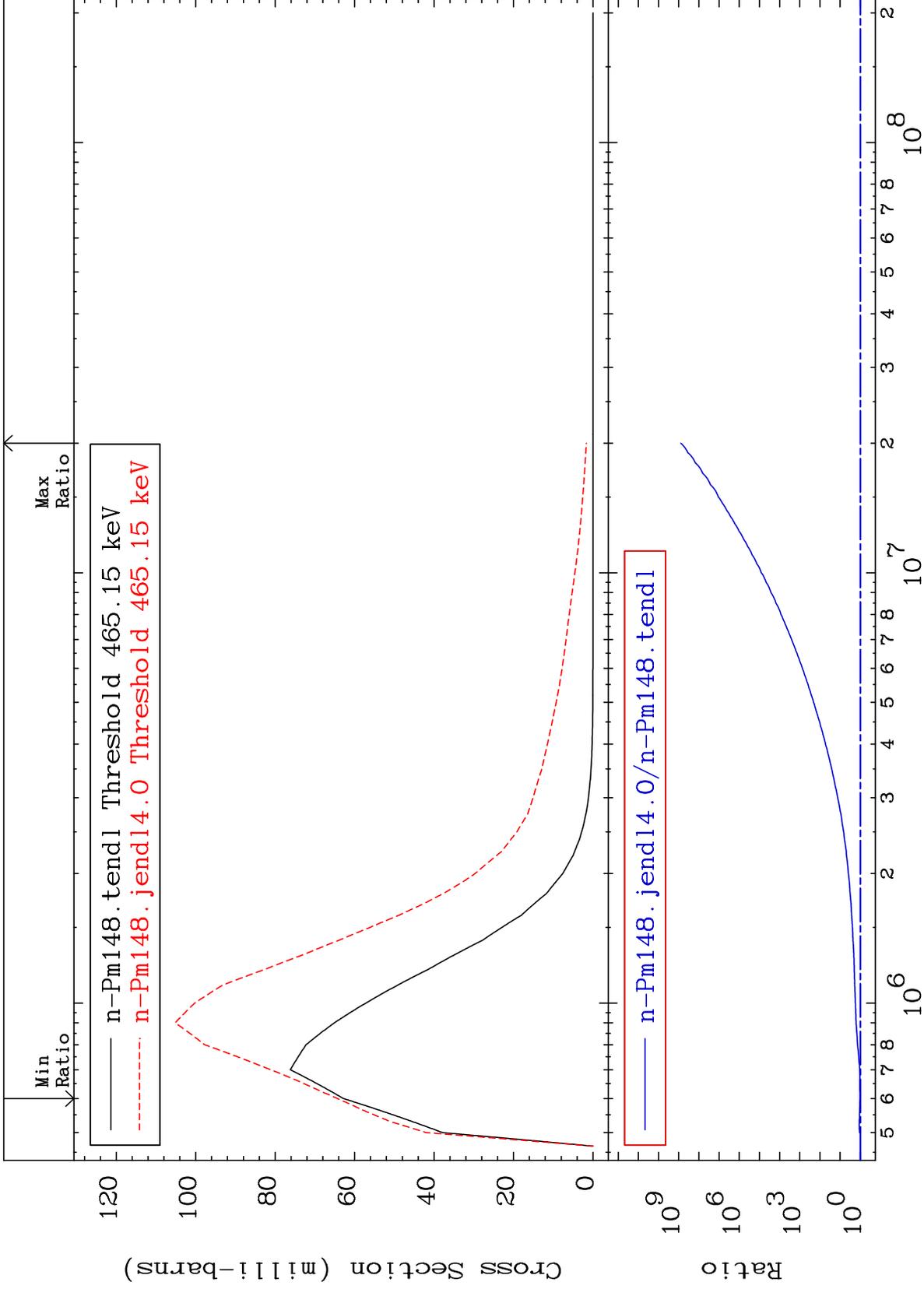
61-Pm-148
-94.36 To 1198. %



MAT 6152

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

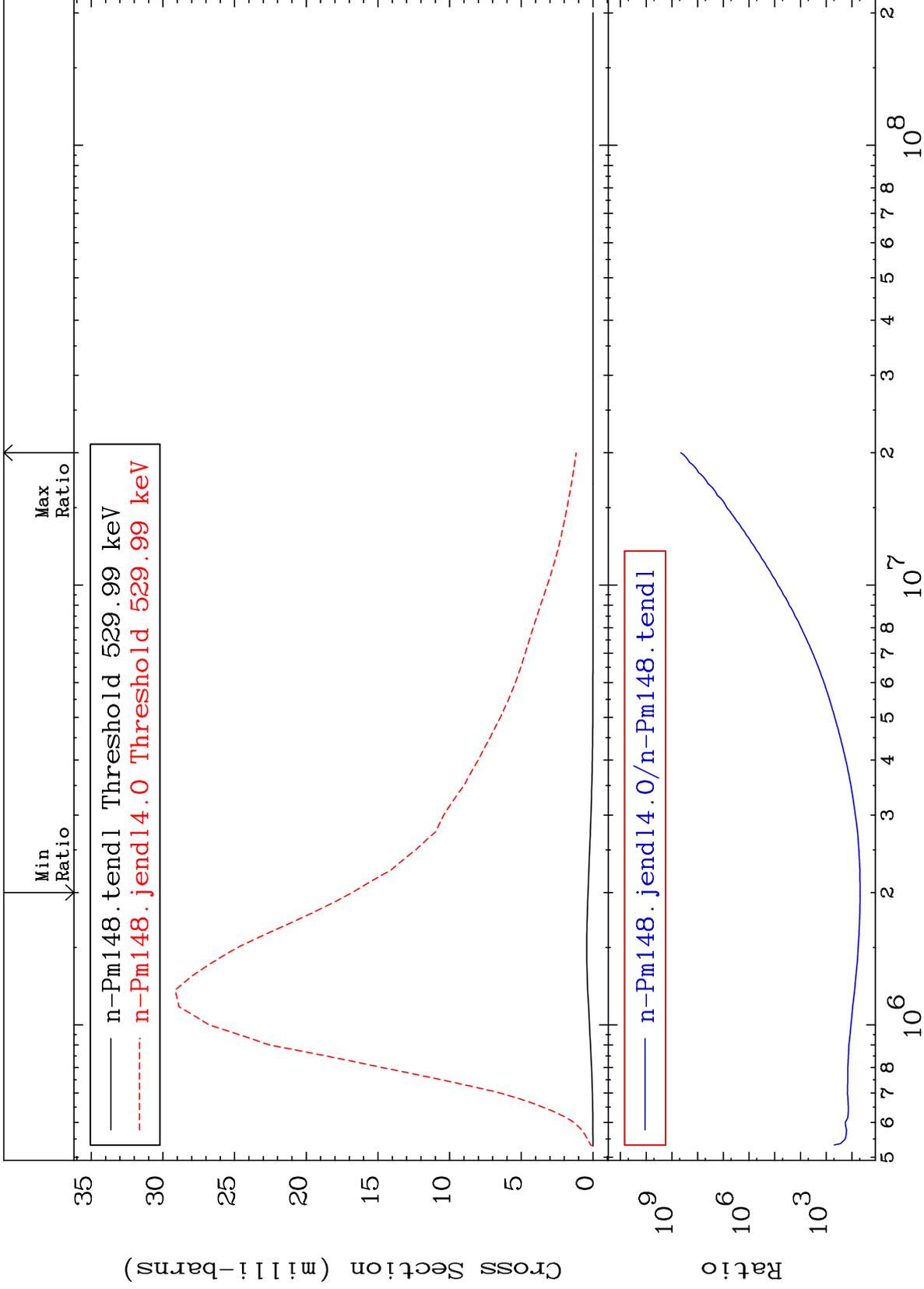
61-Pm-148
2.390 To 9999. %



MAT 6152

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

61-Pm-148
4722. To 9999. %



30

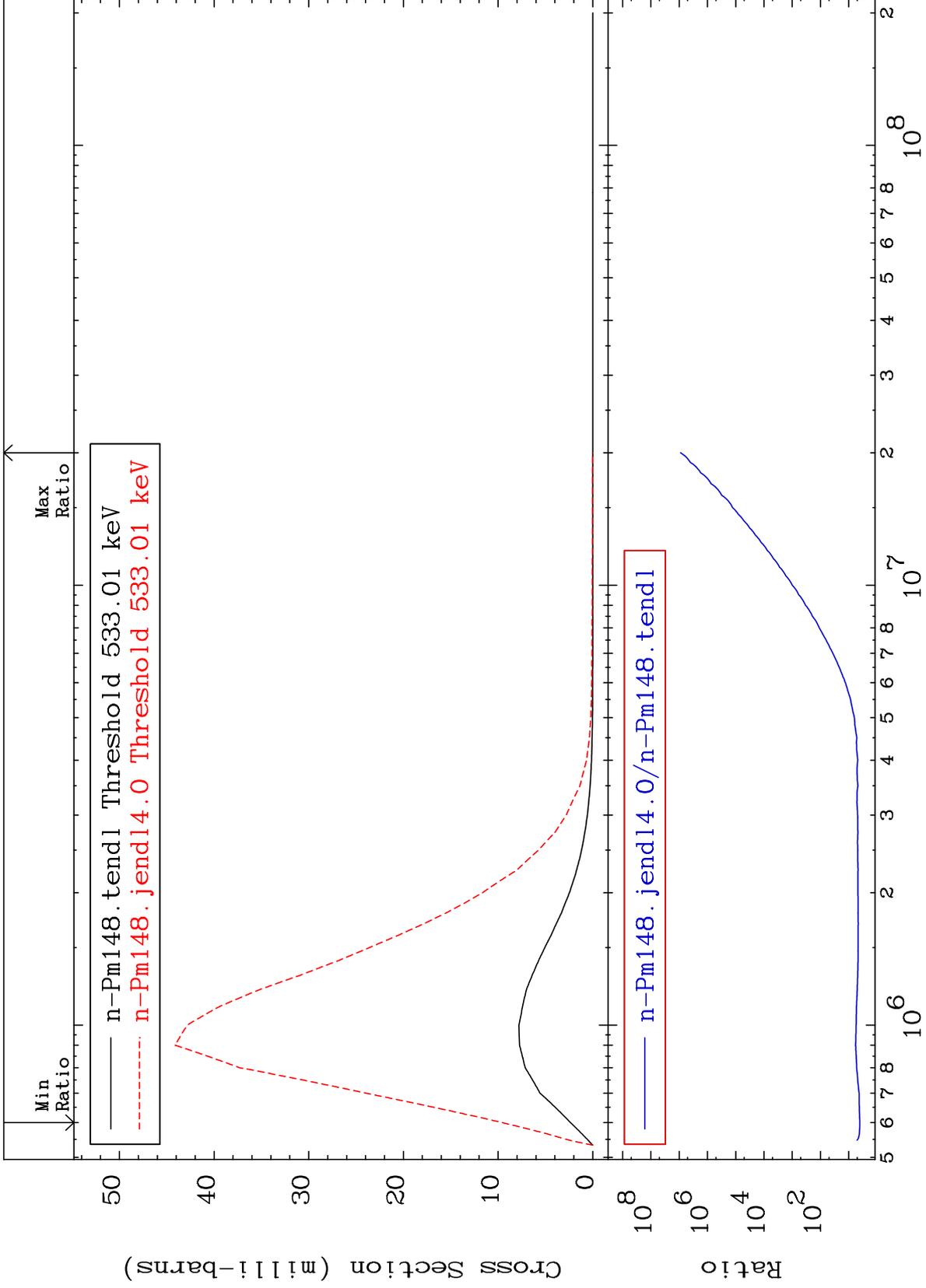
Incident Energy (eV)

61-Pm-148

MAT 6152

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

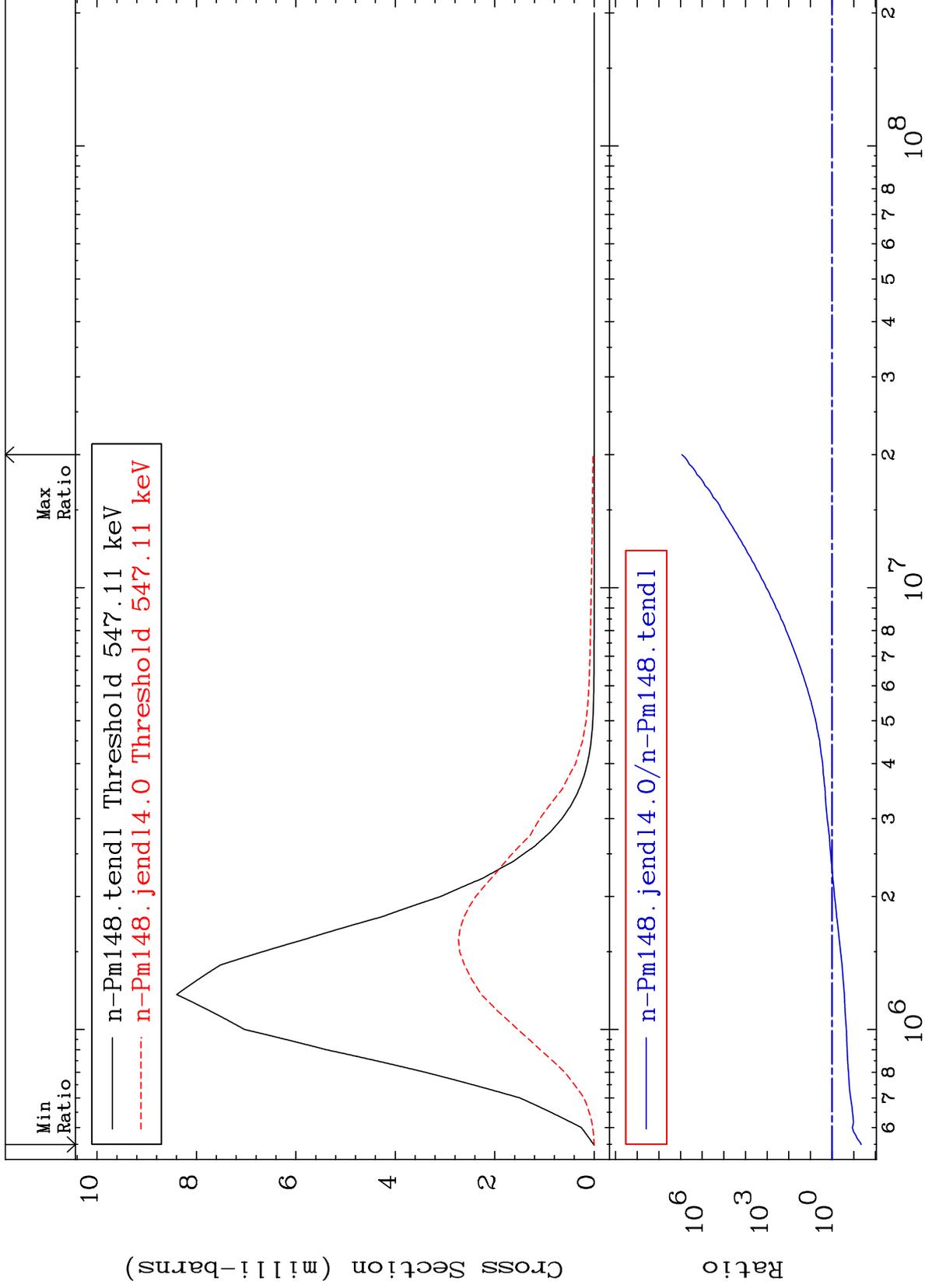
61-Pm-148
307.7 To 9999. %



MAT 6152

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

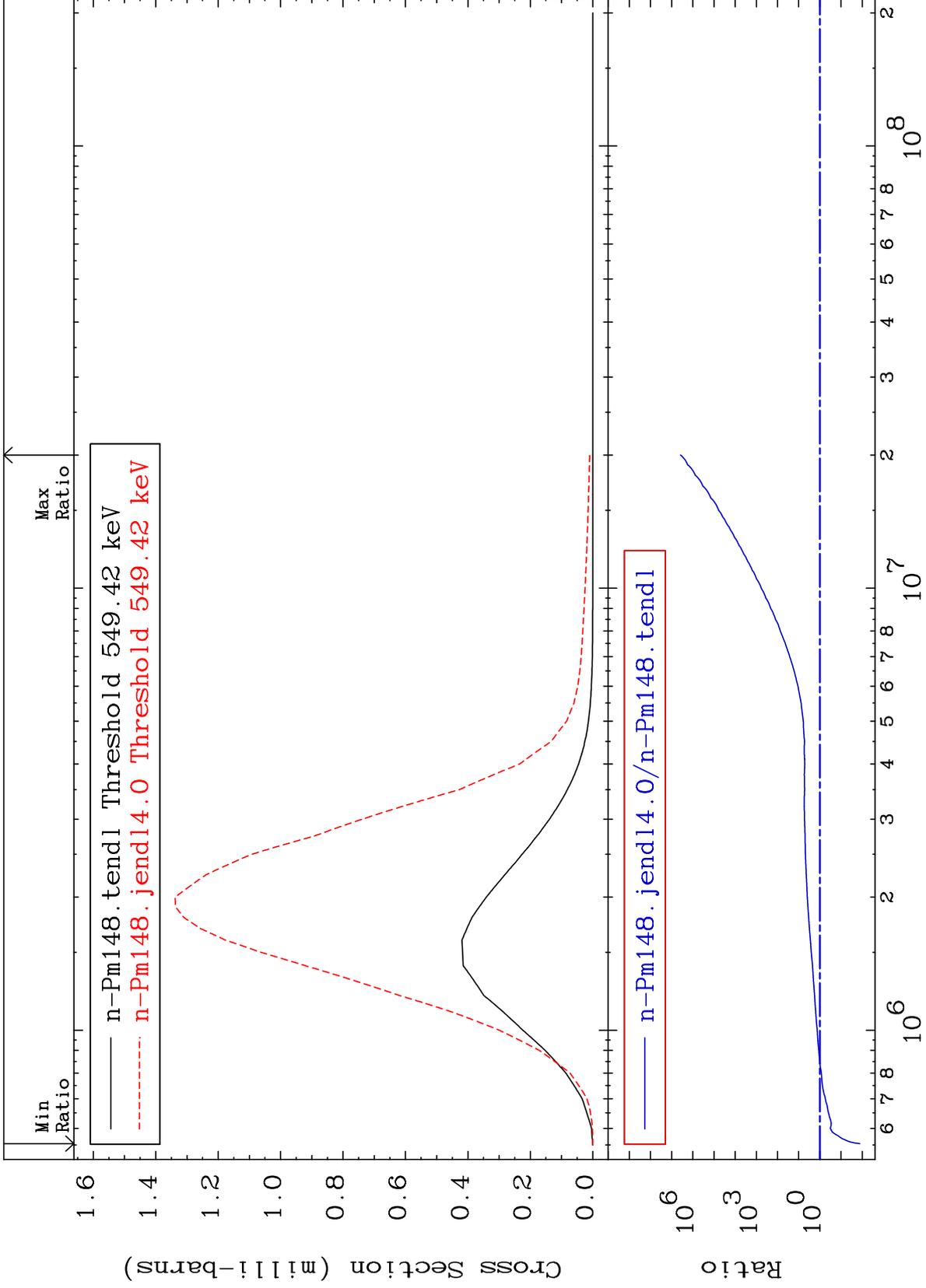
61-Pm-148
-95.44 To 9999. %



MAT 6152

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

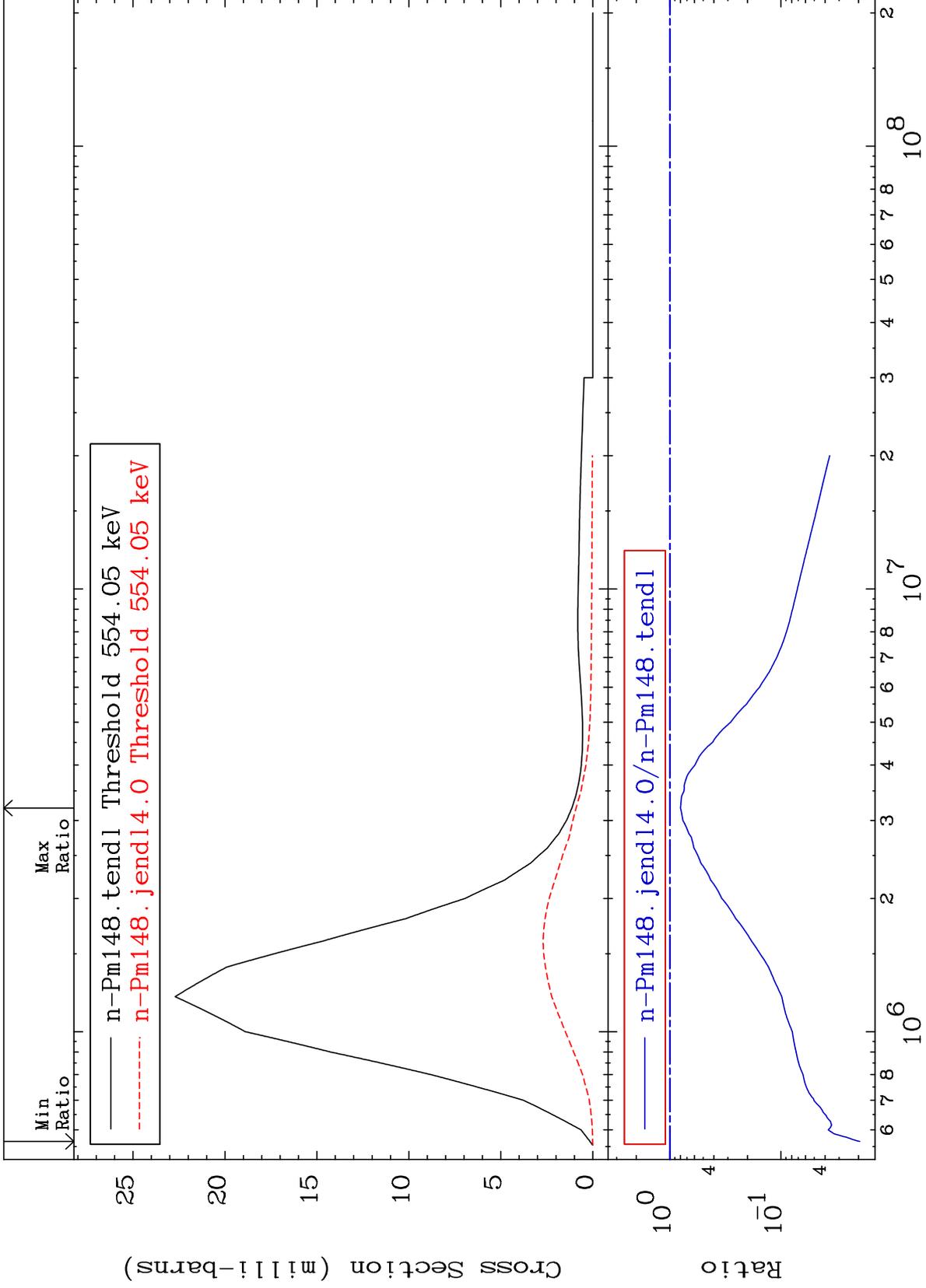
61-Pm-148
-98.69 To 9999. %



MAT 6152

MT= 73 (n,n') Level
Cross Section

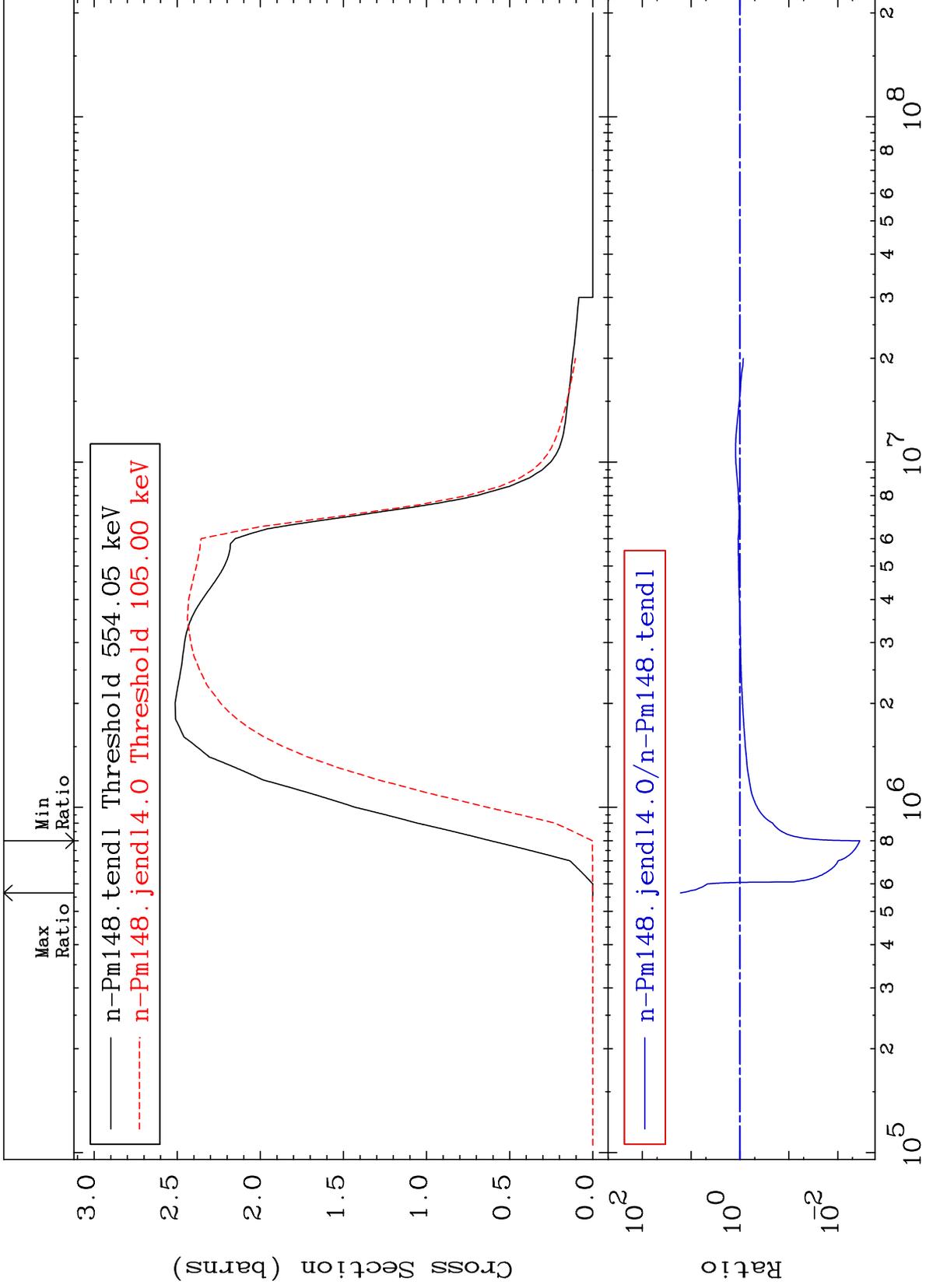
61-Pm-148
-98.05 To -20.02%



MAT 6152

(n, n') Continuum
Cross Section

61-Pm-148
-99.65 To 1556. %



35

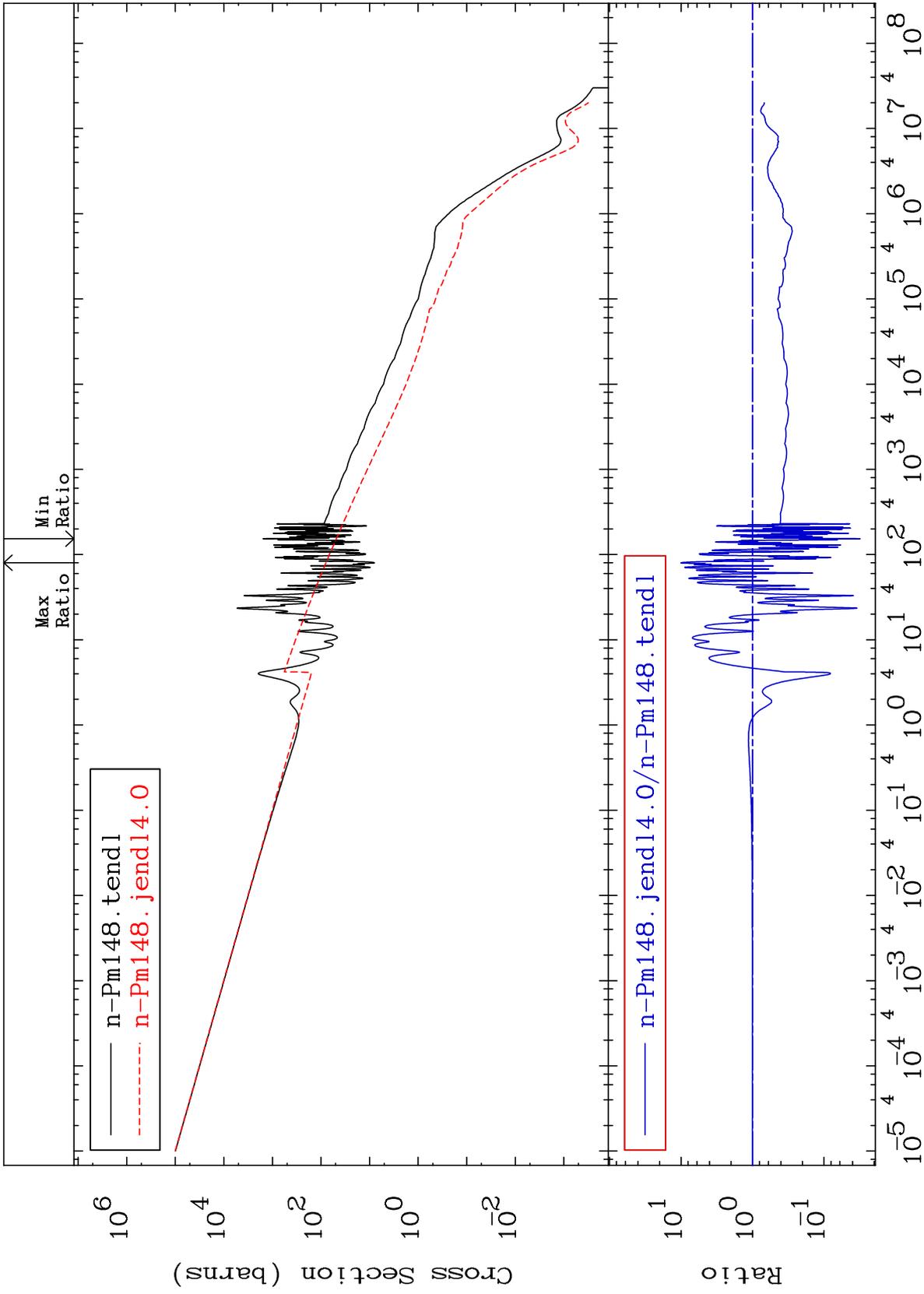
61-Pm-148

61-Pm-148

MAT 6152

(n, γ)
Cross Section

61-Pm-148
-96.87 To 909.4 %



36

61-Pm-148

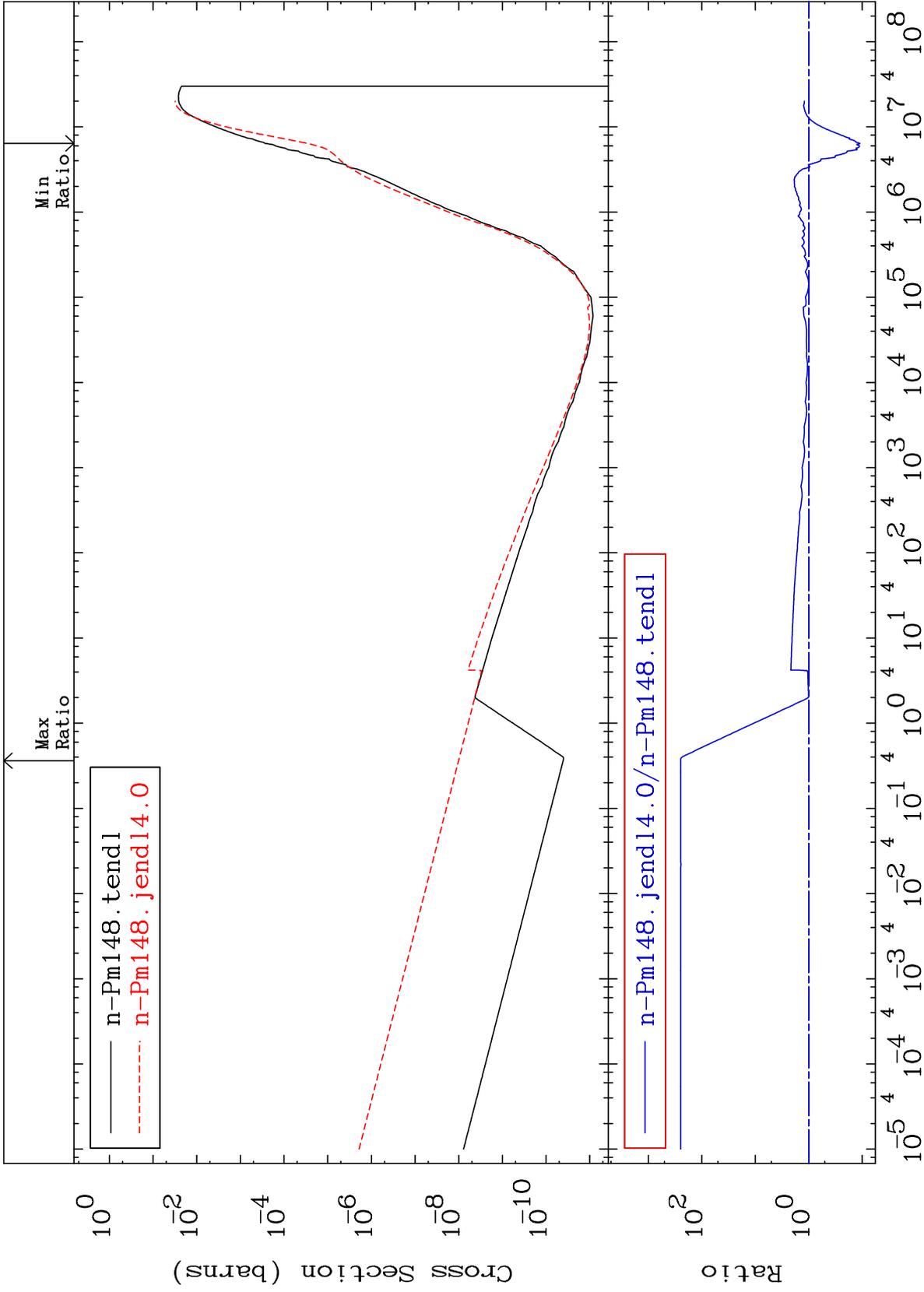
MAT 6152

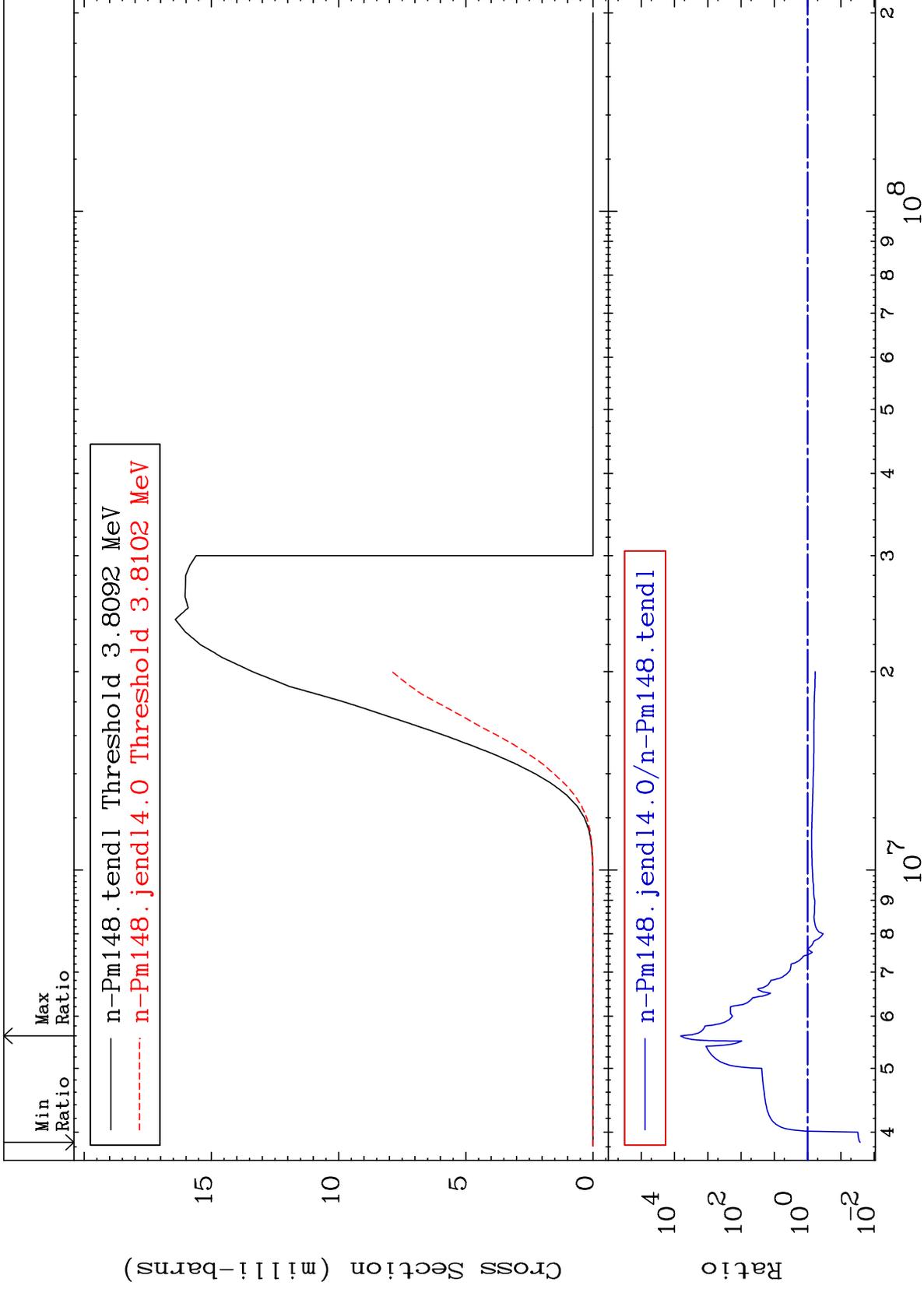
(n,p)

61-Pm-148

Cross Section

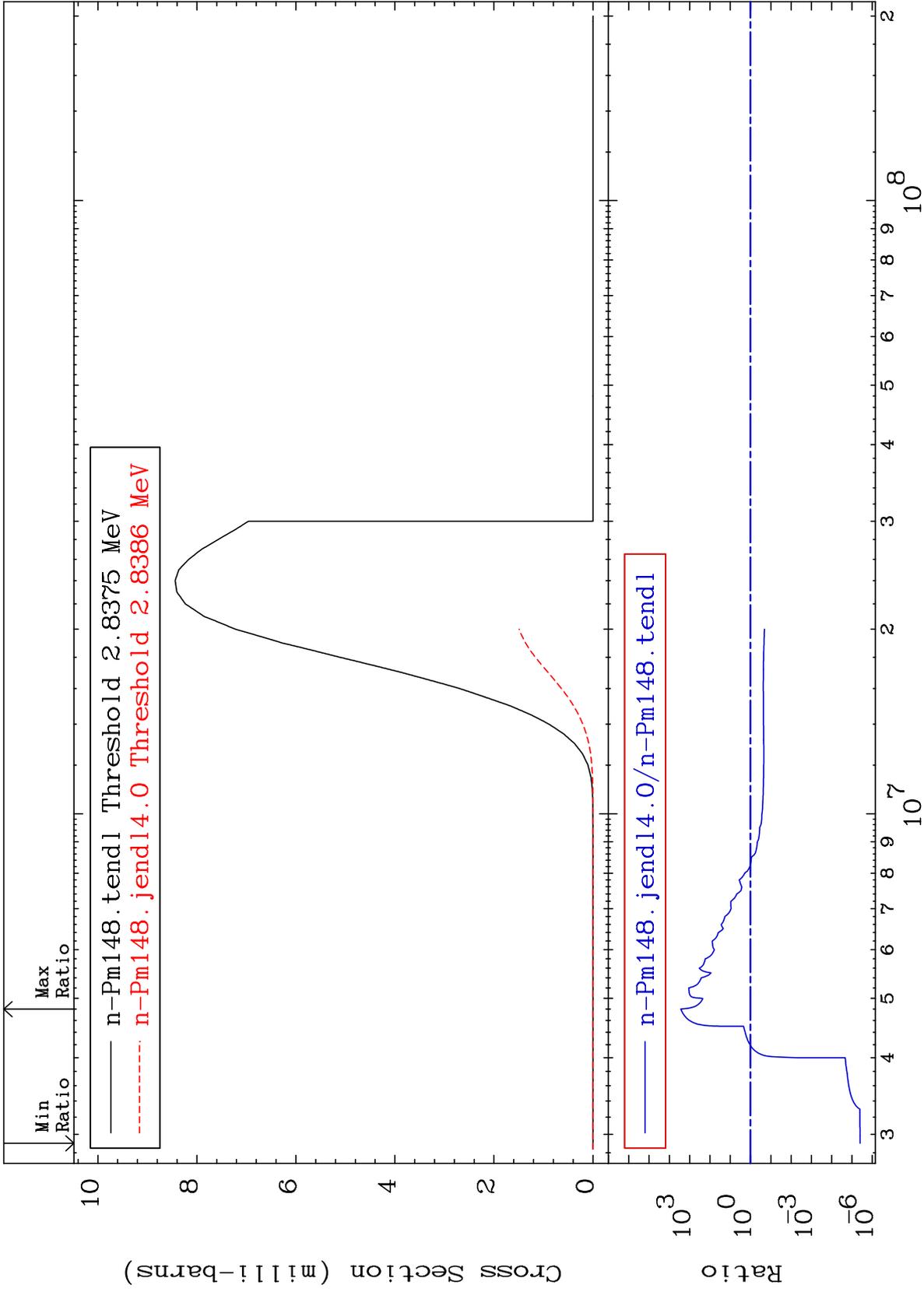
-89.05 To 9999. %





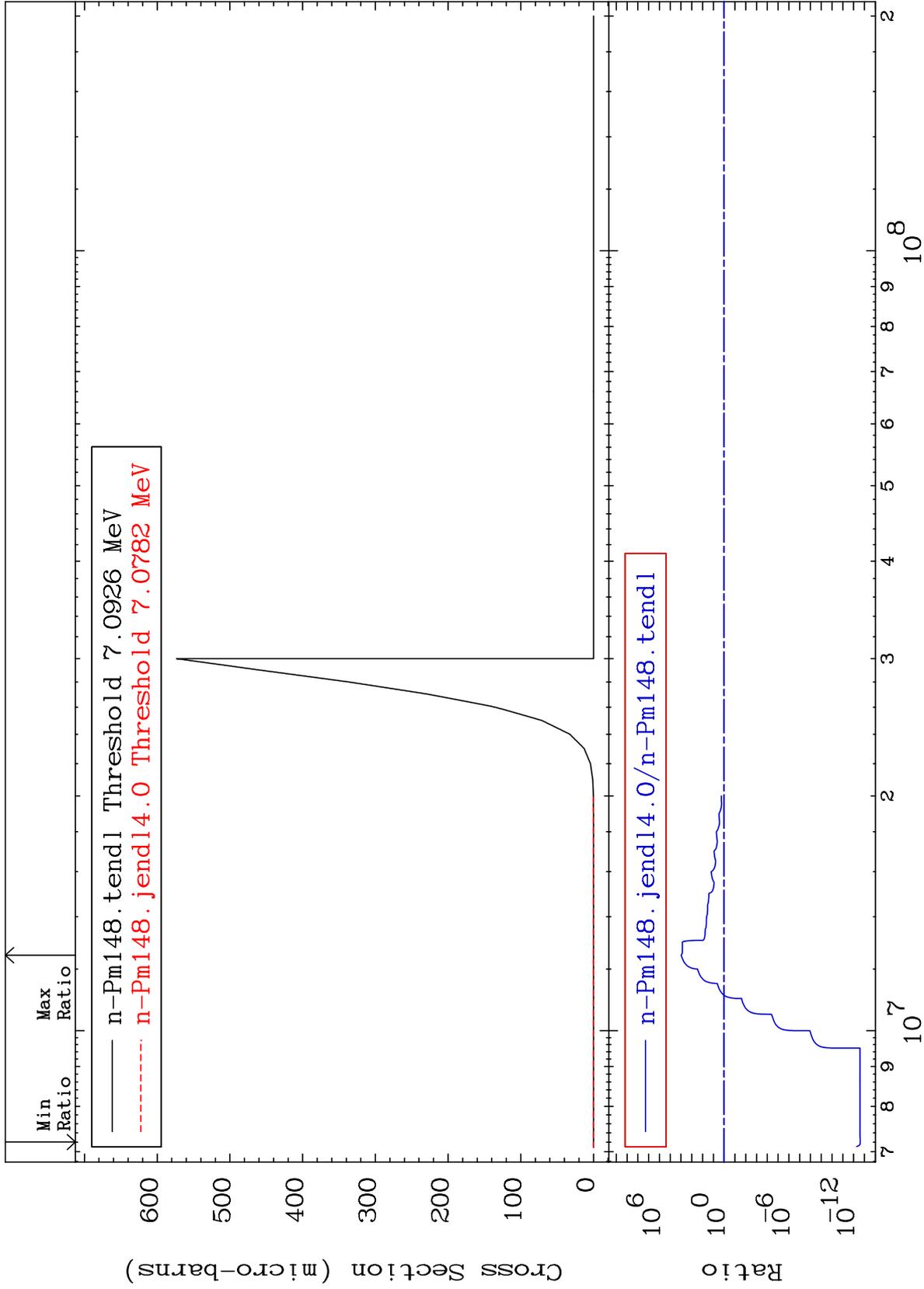
MAT 6152

(n, t) Cross Section
61-Pm-148
-100.0 To 9999. %



Cross Section

-100.0 To 9999. %



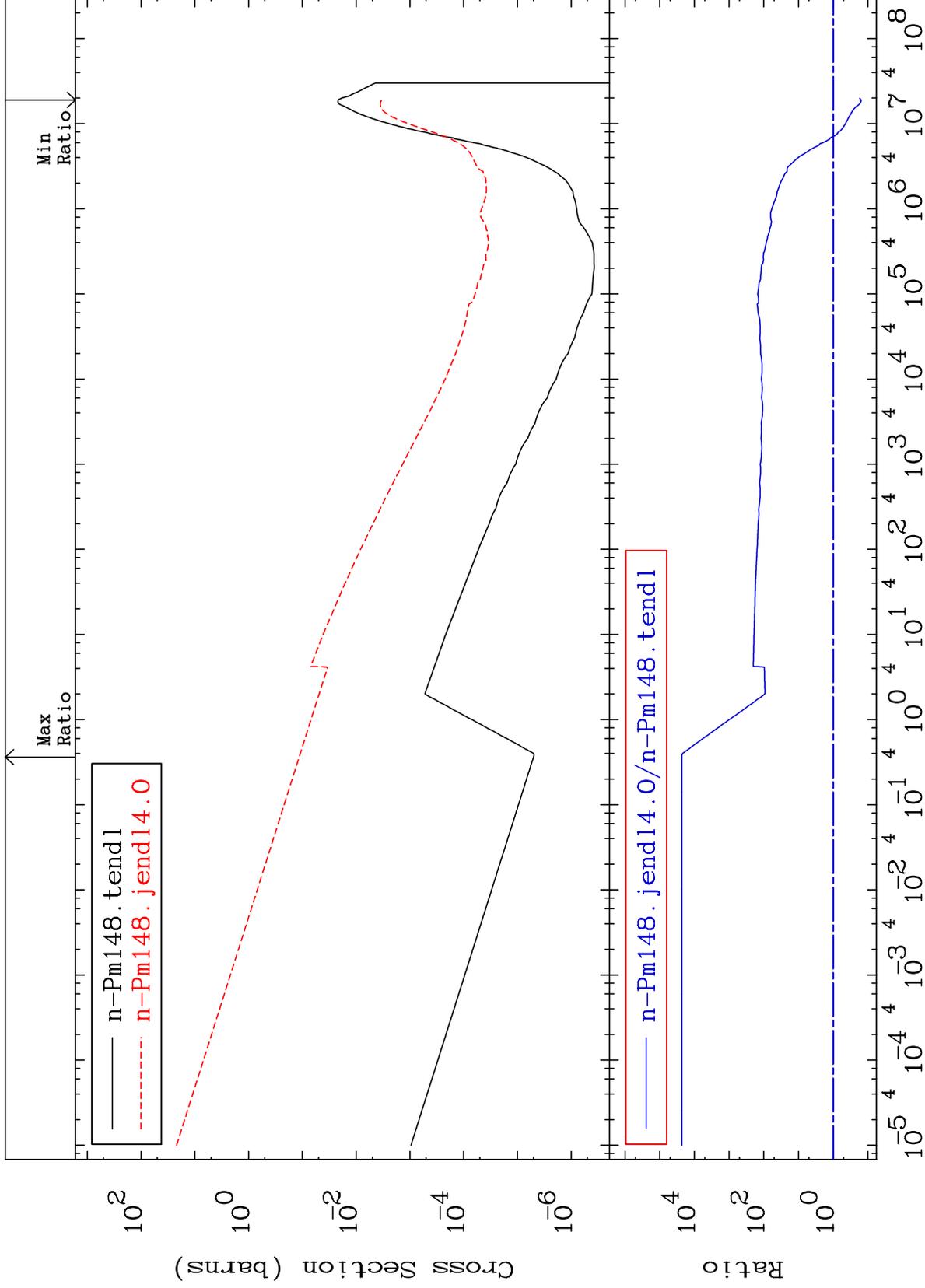
MAT 6152

(n, α)

61-Pm-148

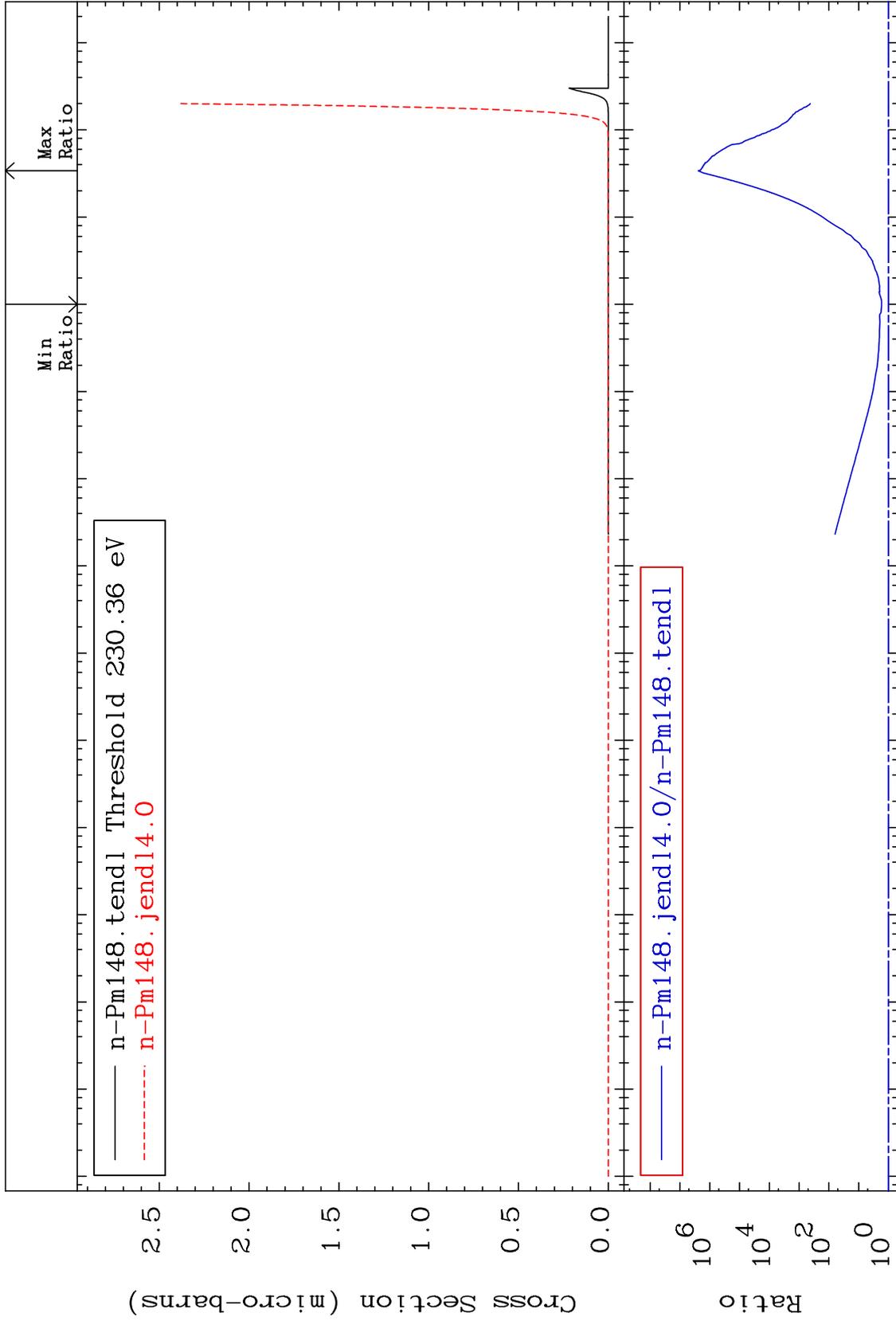
Cross Section

-84.44 To 9999. %



Cross Section

69.96 To 9999. %



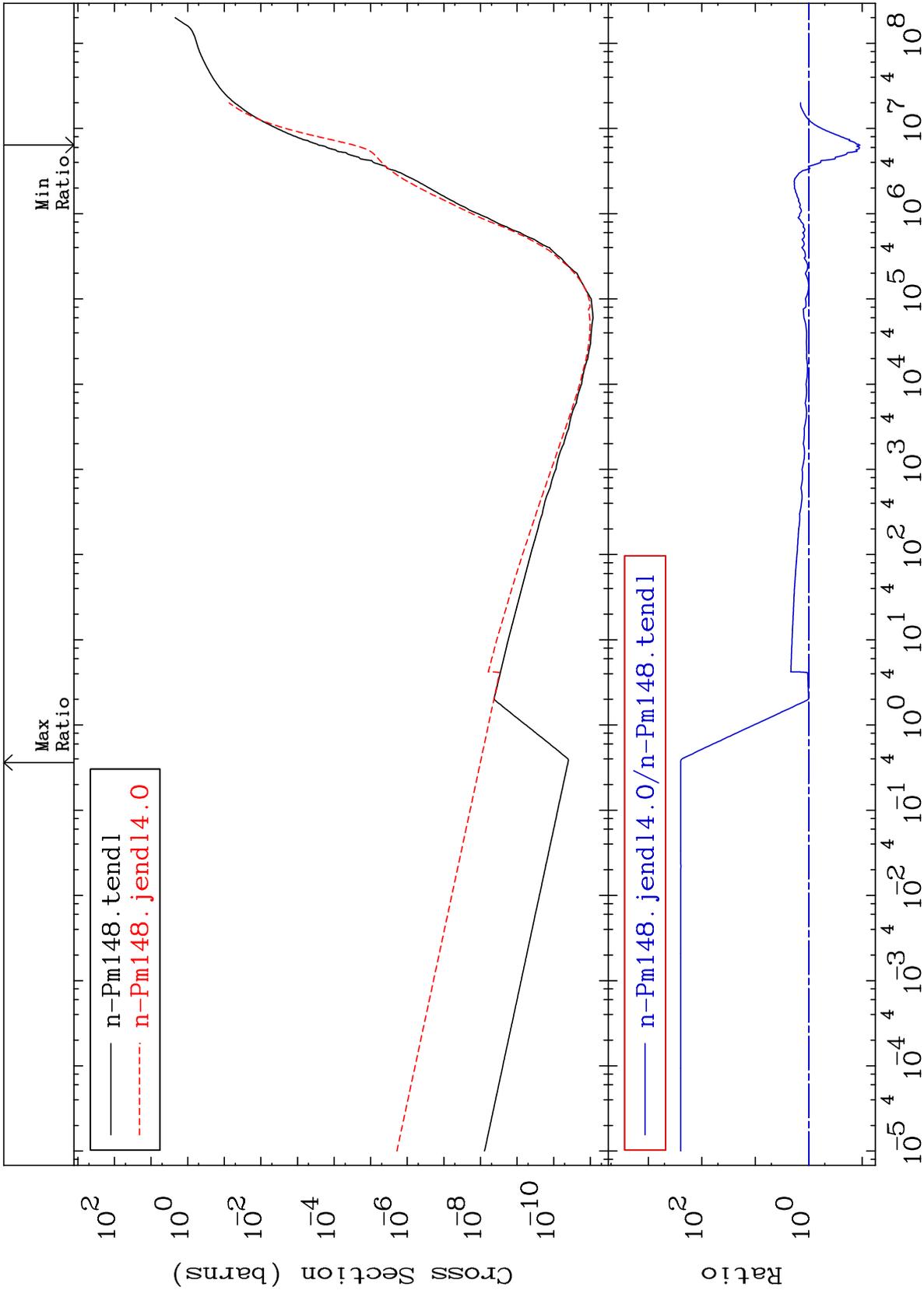
— n-Pm148.tendl Threshold 230.36 eV
- - - n-Pm148.jendl4.0

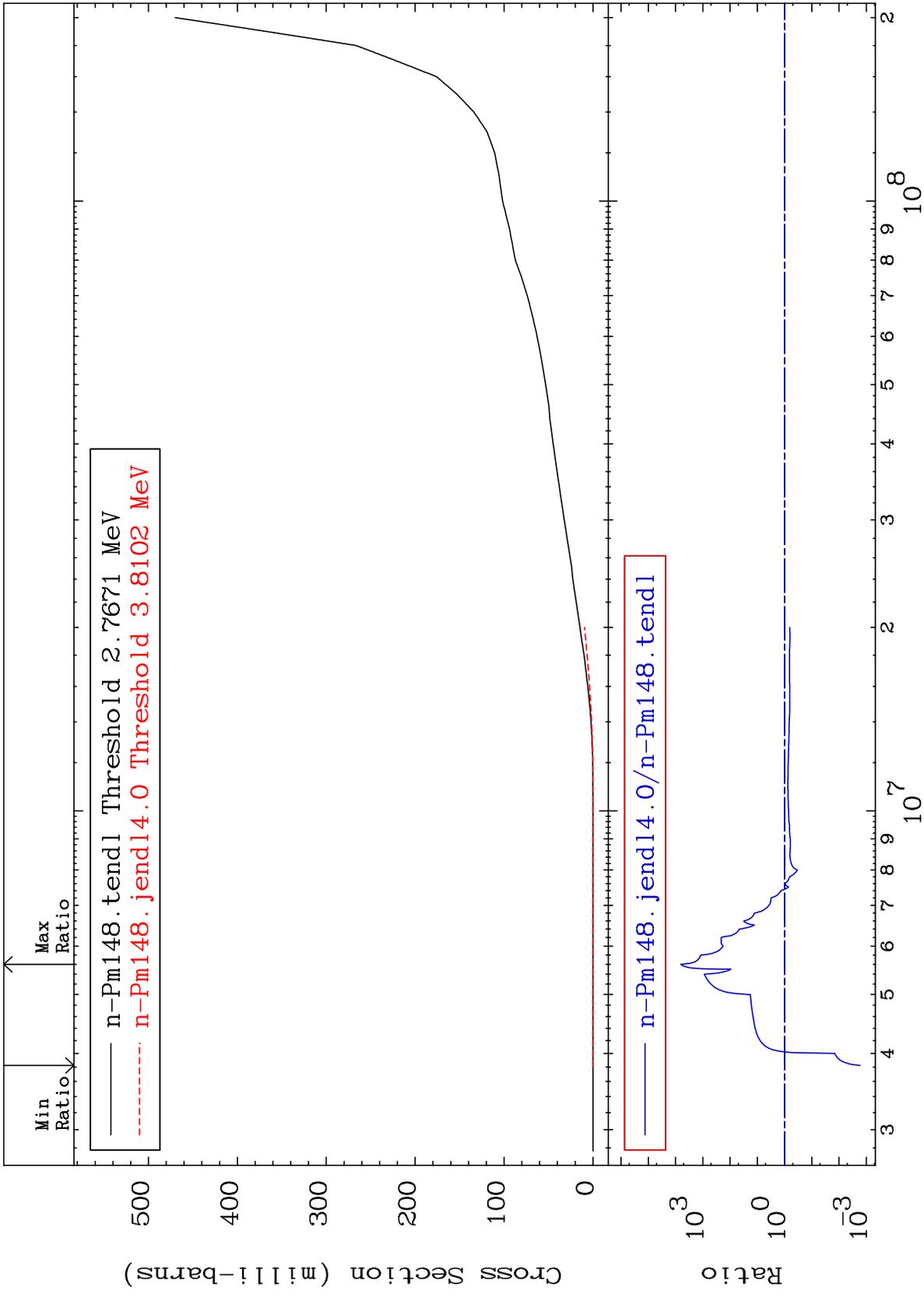
— n-Pm148.jendl4.0/n-Pm148.tendl

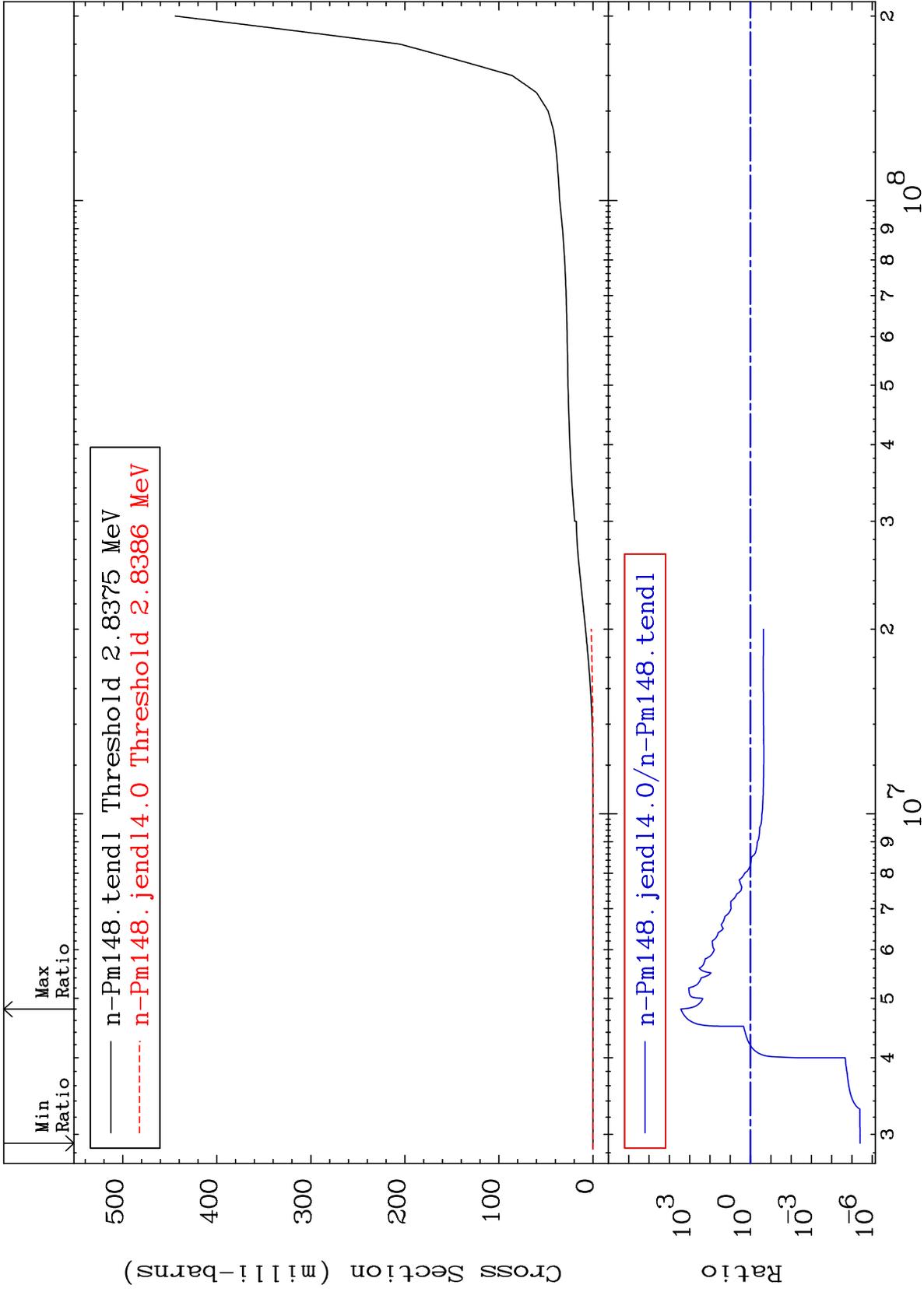
MAT 6152

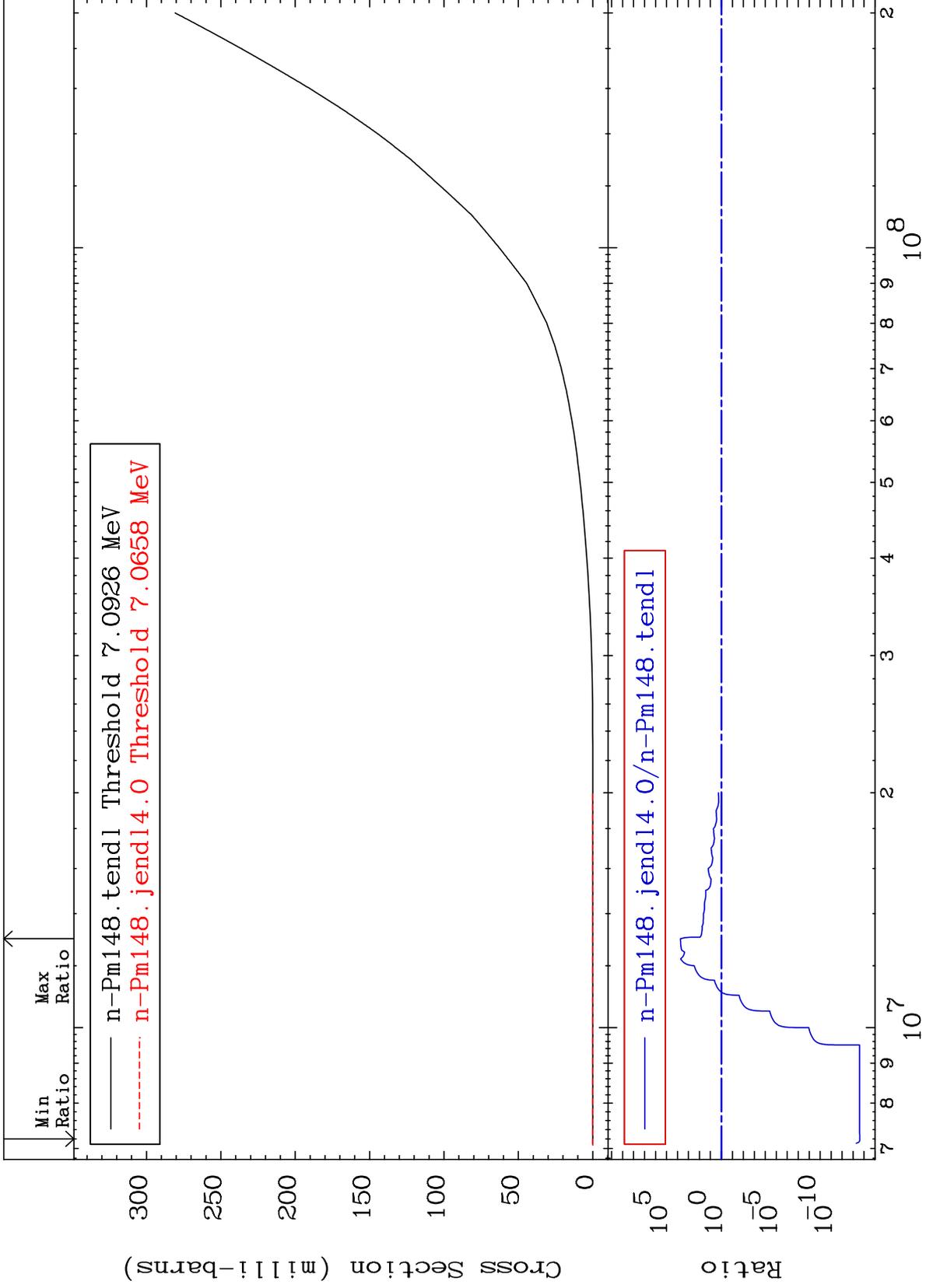
Hydrogen Production
Cross Section

61-Pm-148
-89.05 To 9999. %





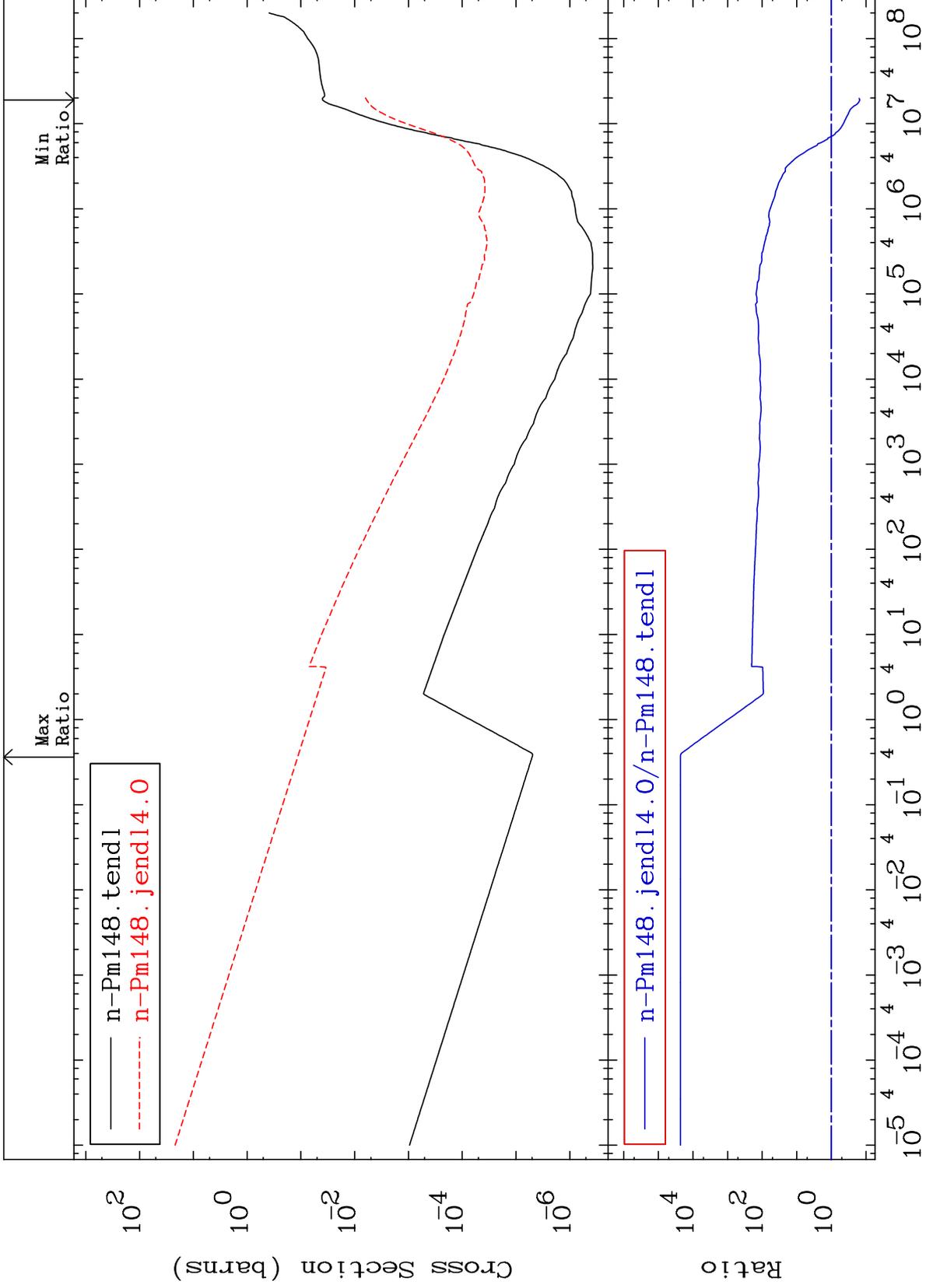




MAT 6152

He-4 Production
Cross Section

61-Pm-148
-84.93 To 9999. %



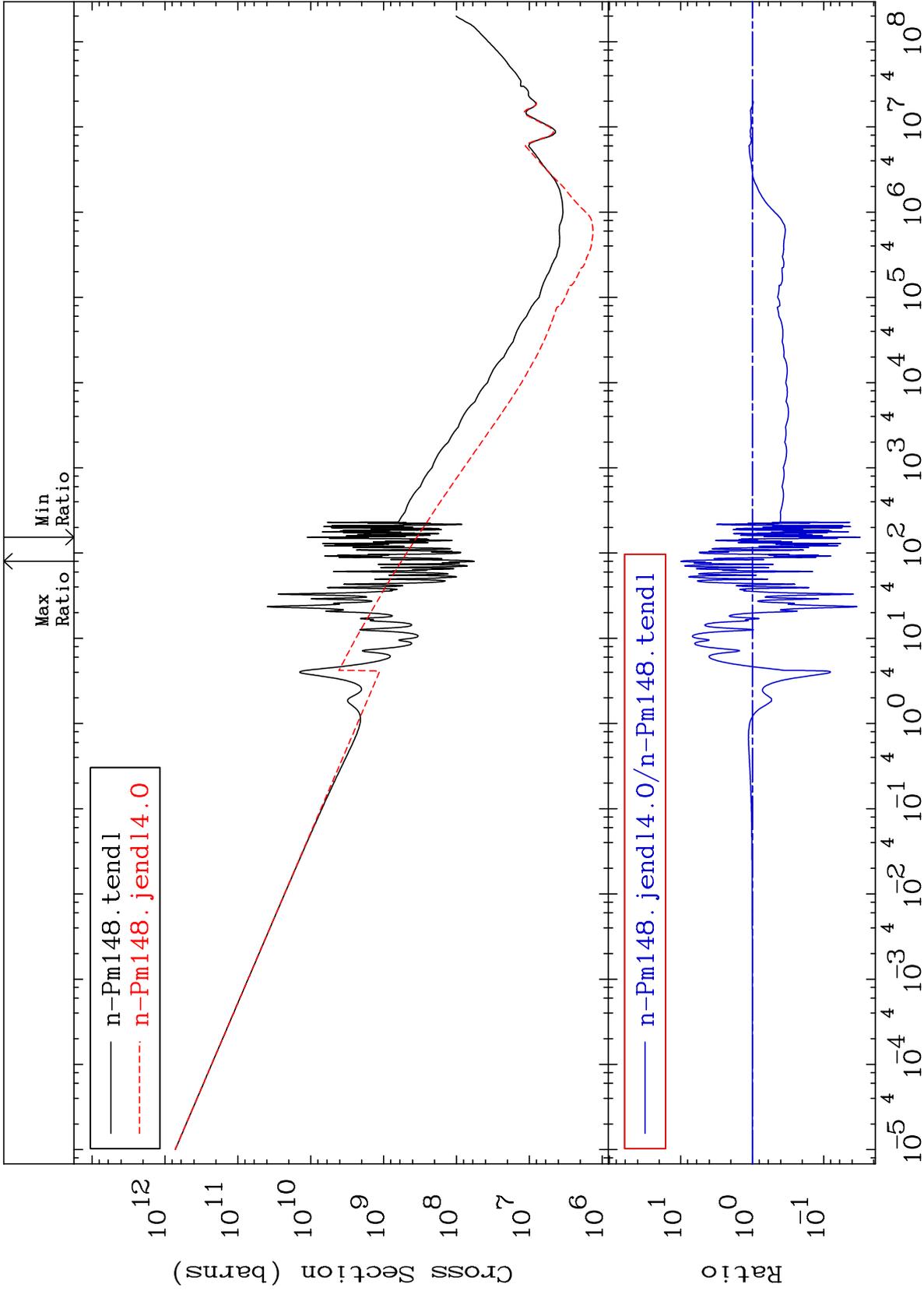
MAT 6152

Kerma total (eV-barns)

61-Pm-148

Cross Section

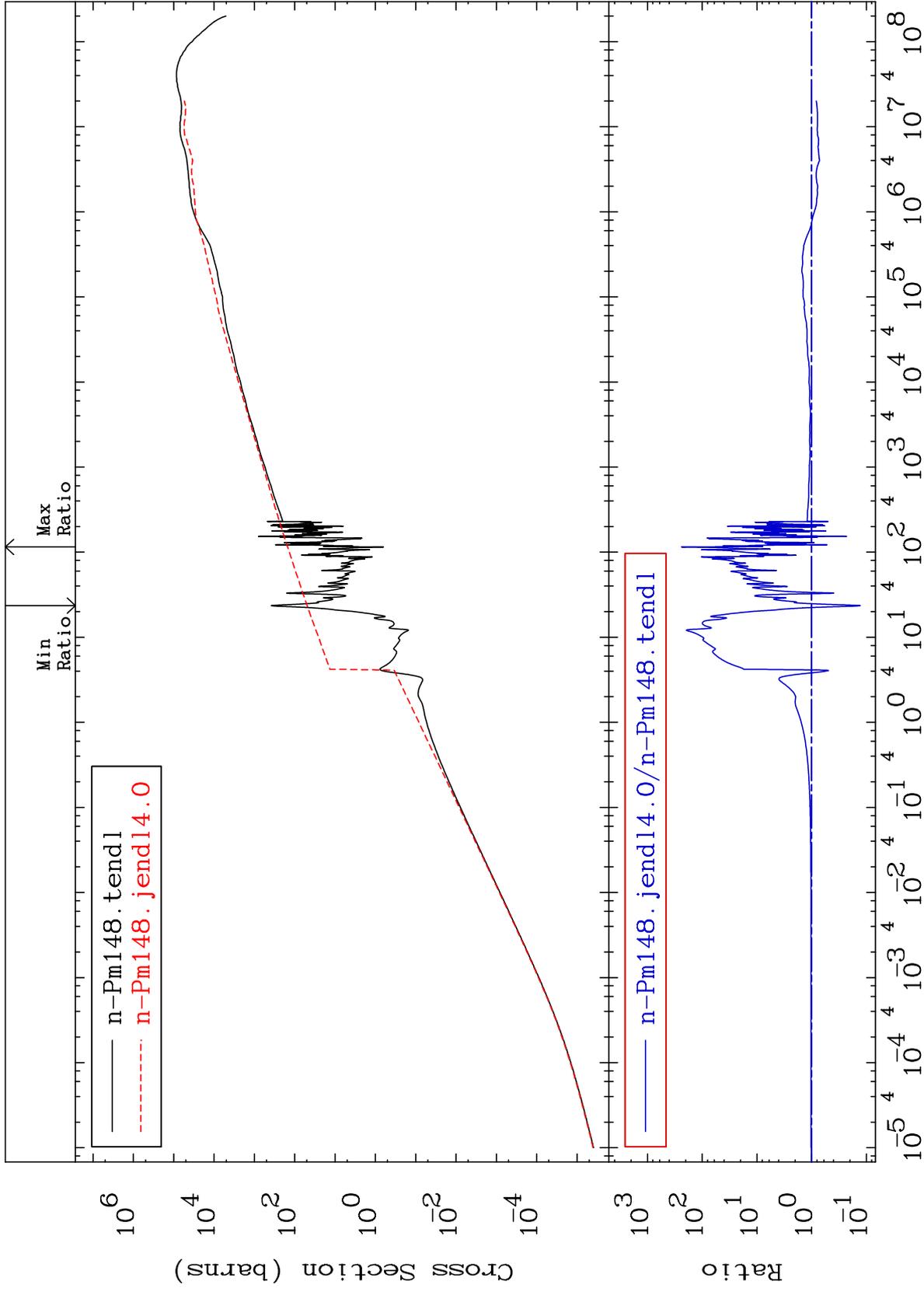
-96.90 To 900.7 %



48

Incident Energy (eV)

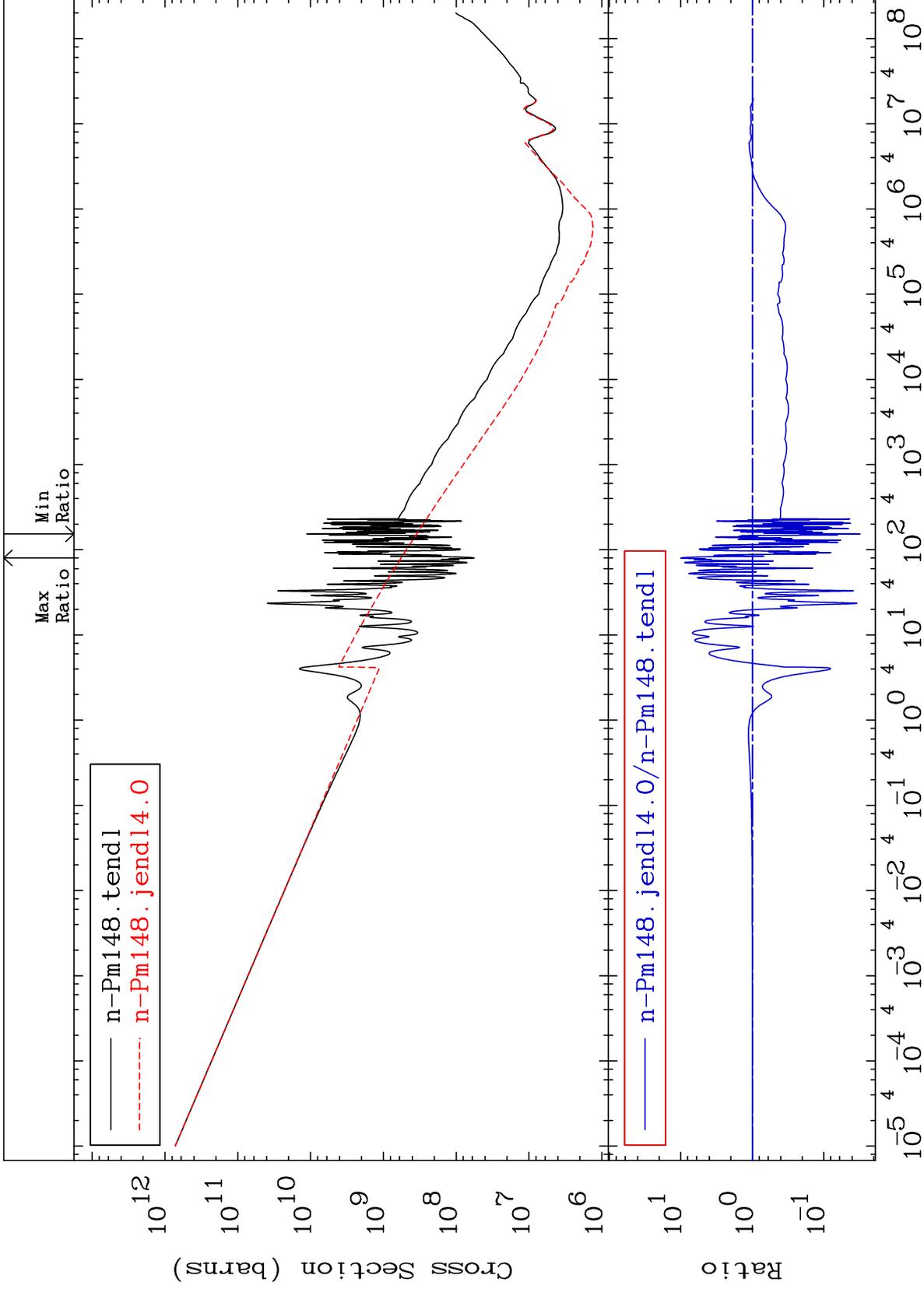
61-Pm-148



MAT 6152

Kerma non-elastic (all but mt2)
Cross Section

61-Pm-148
-96.90 To 900.7 %



Incident Energy (eV)

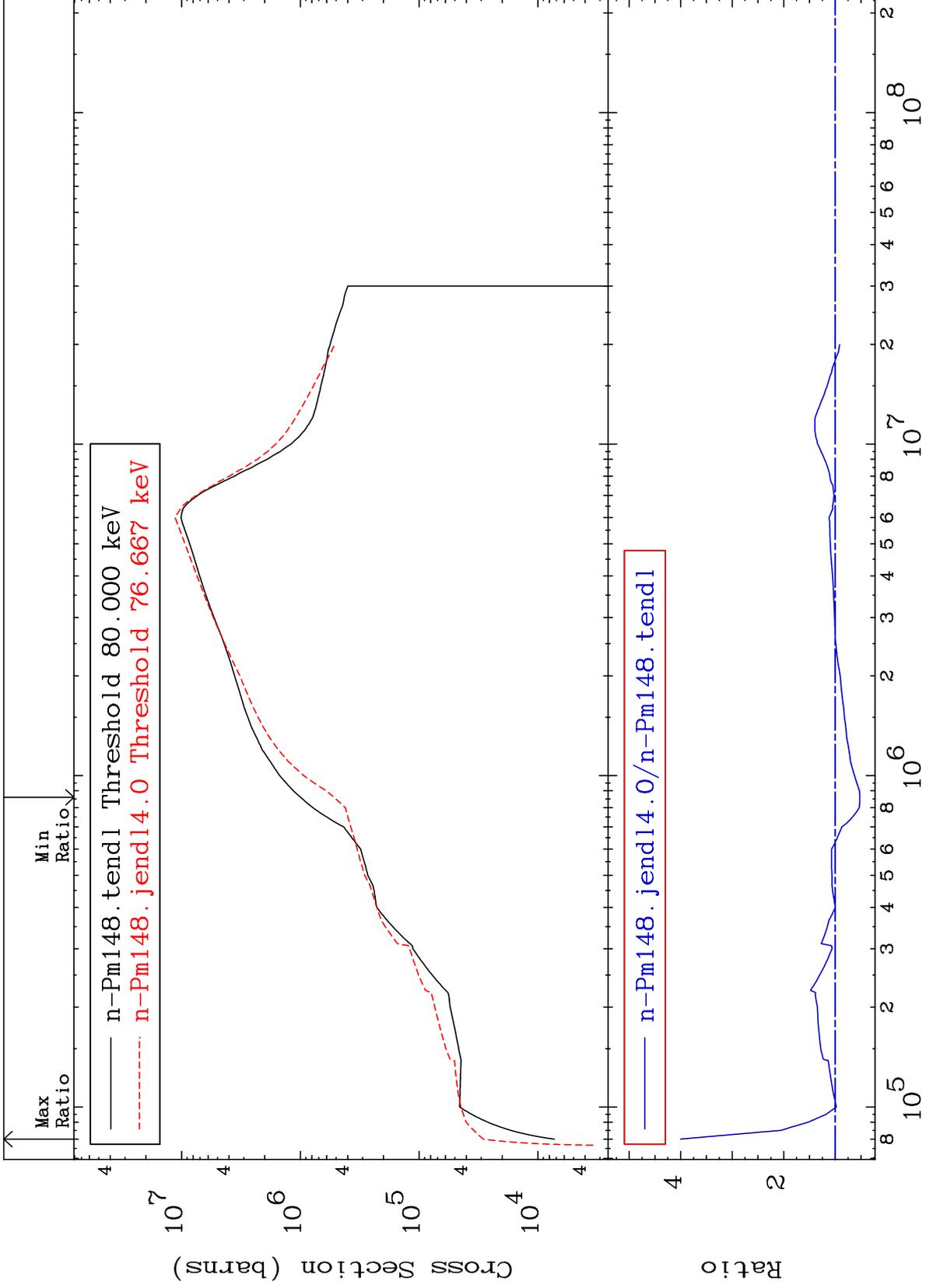
61-Pm-148

50

MAT 6152

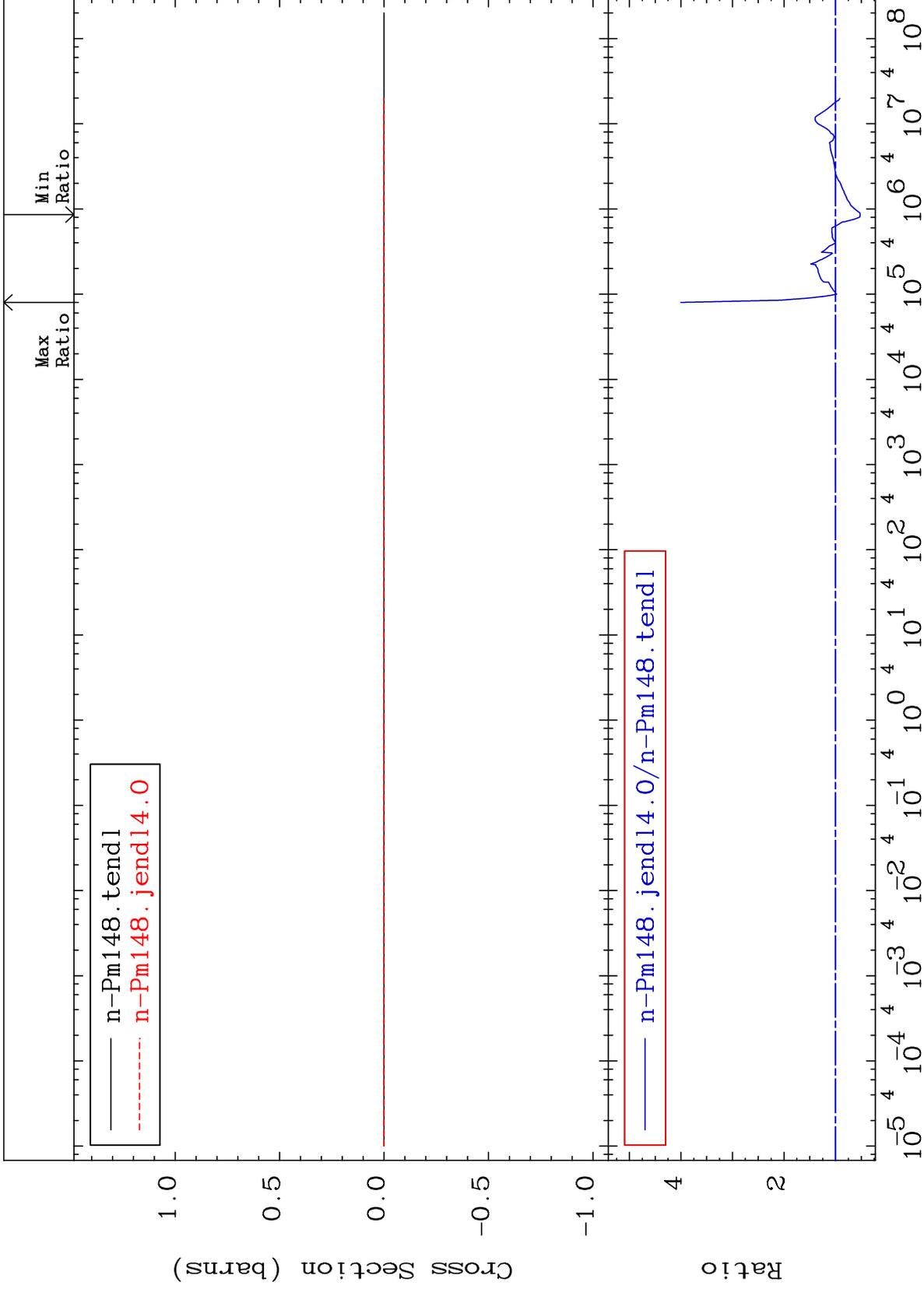
Kerma inelastic (mt51-91)
Cross Section

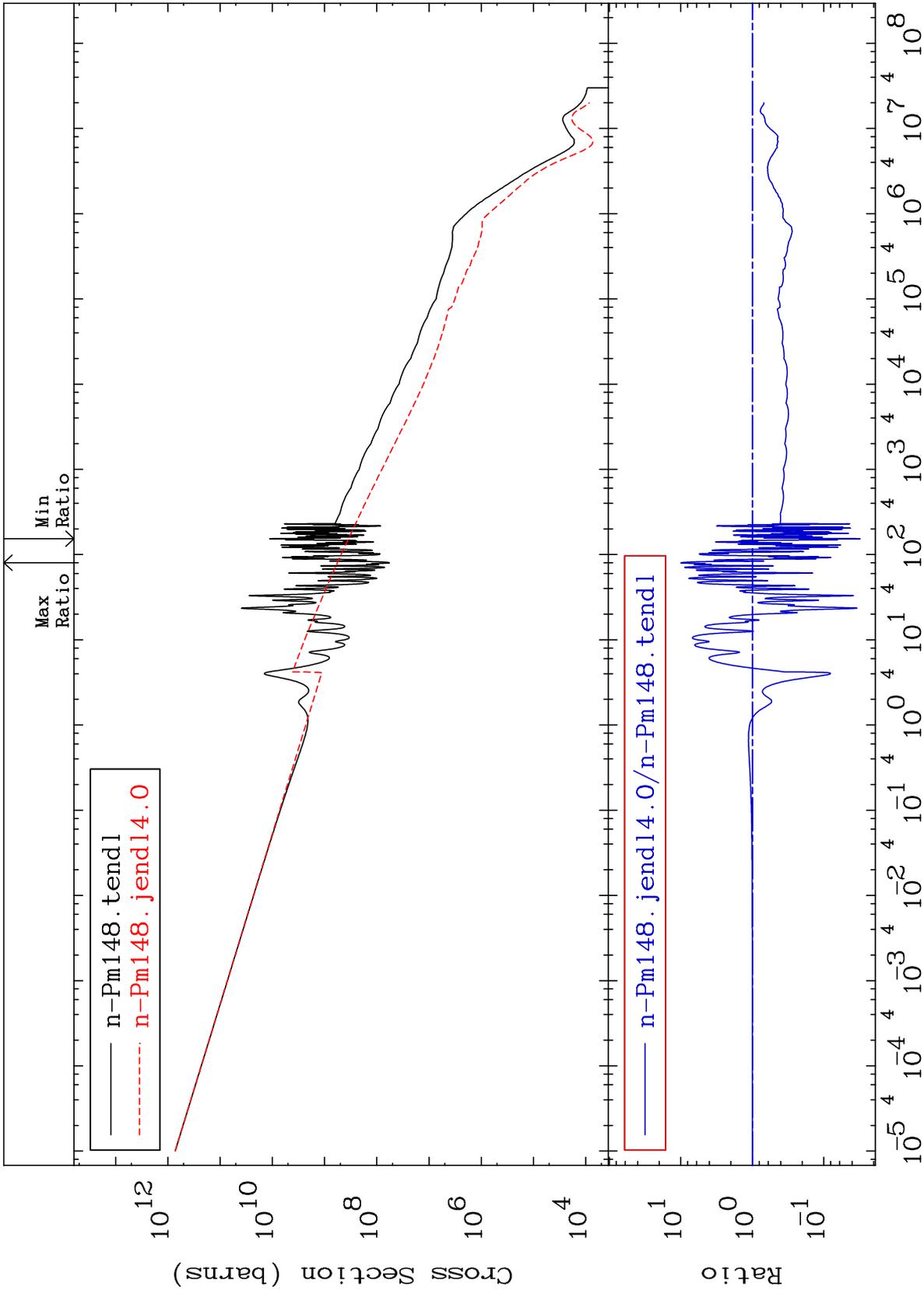
61-Pm-148
-47.71 To 300.3 %

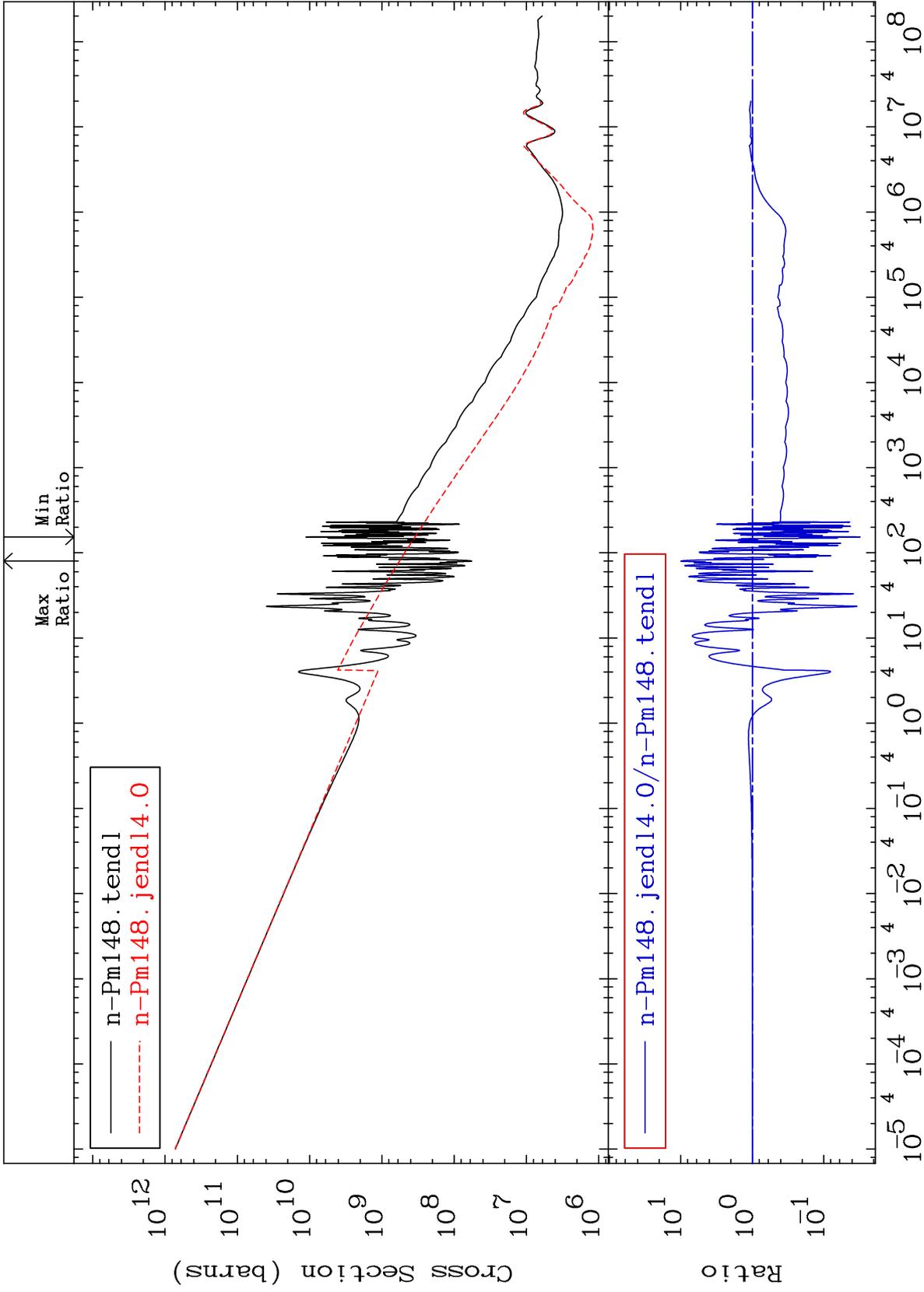


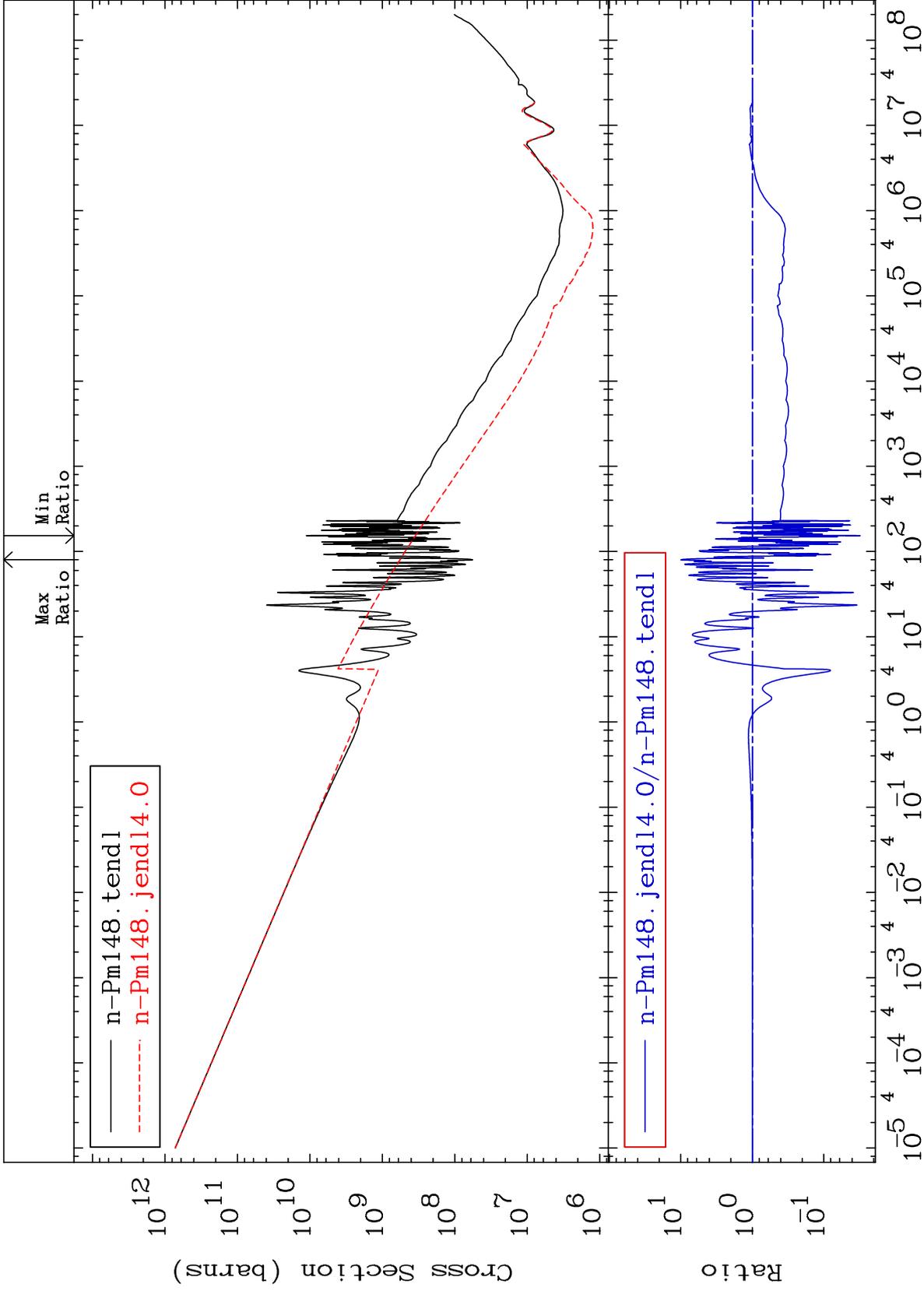
51

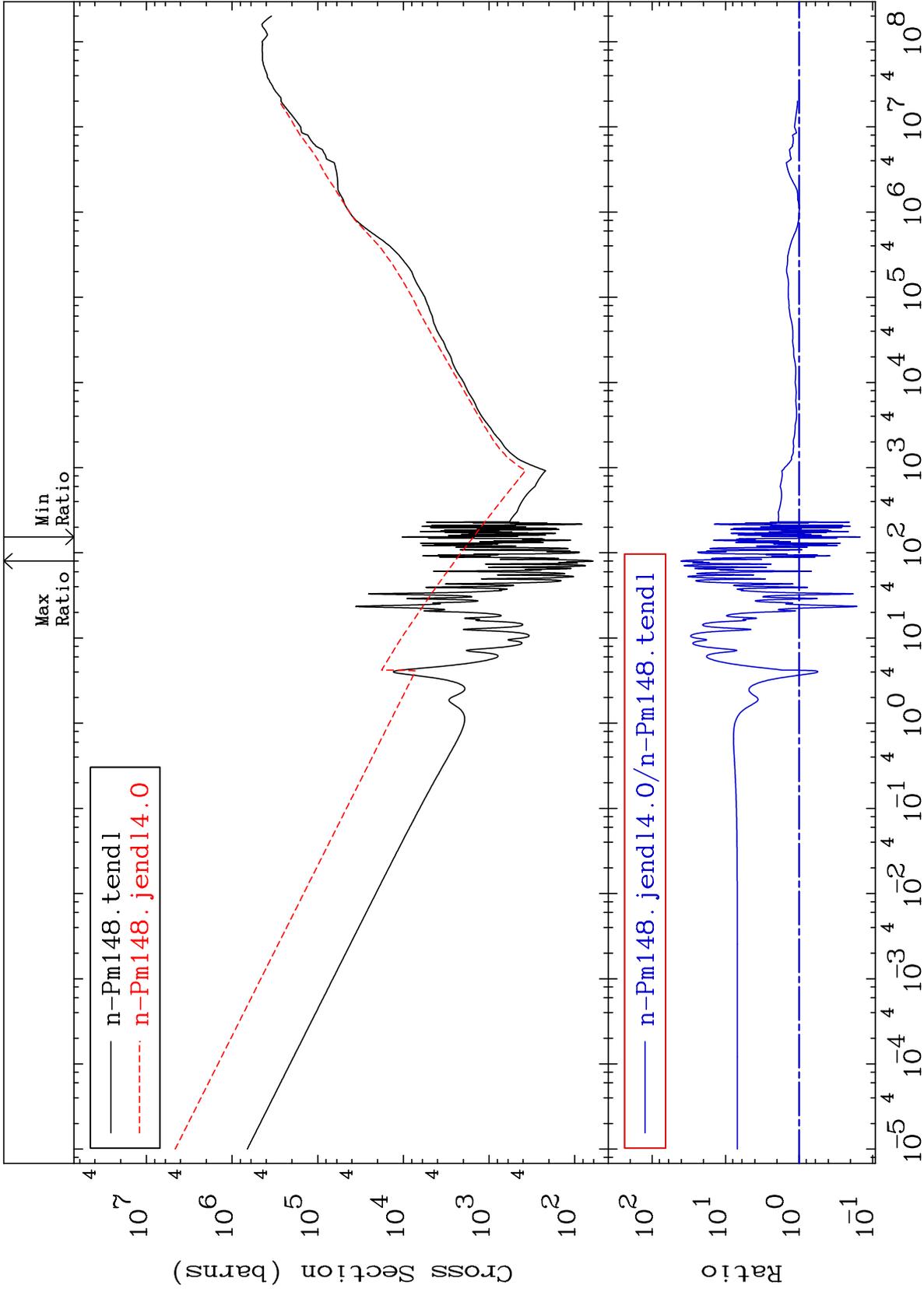
61-Pm-148

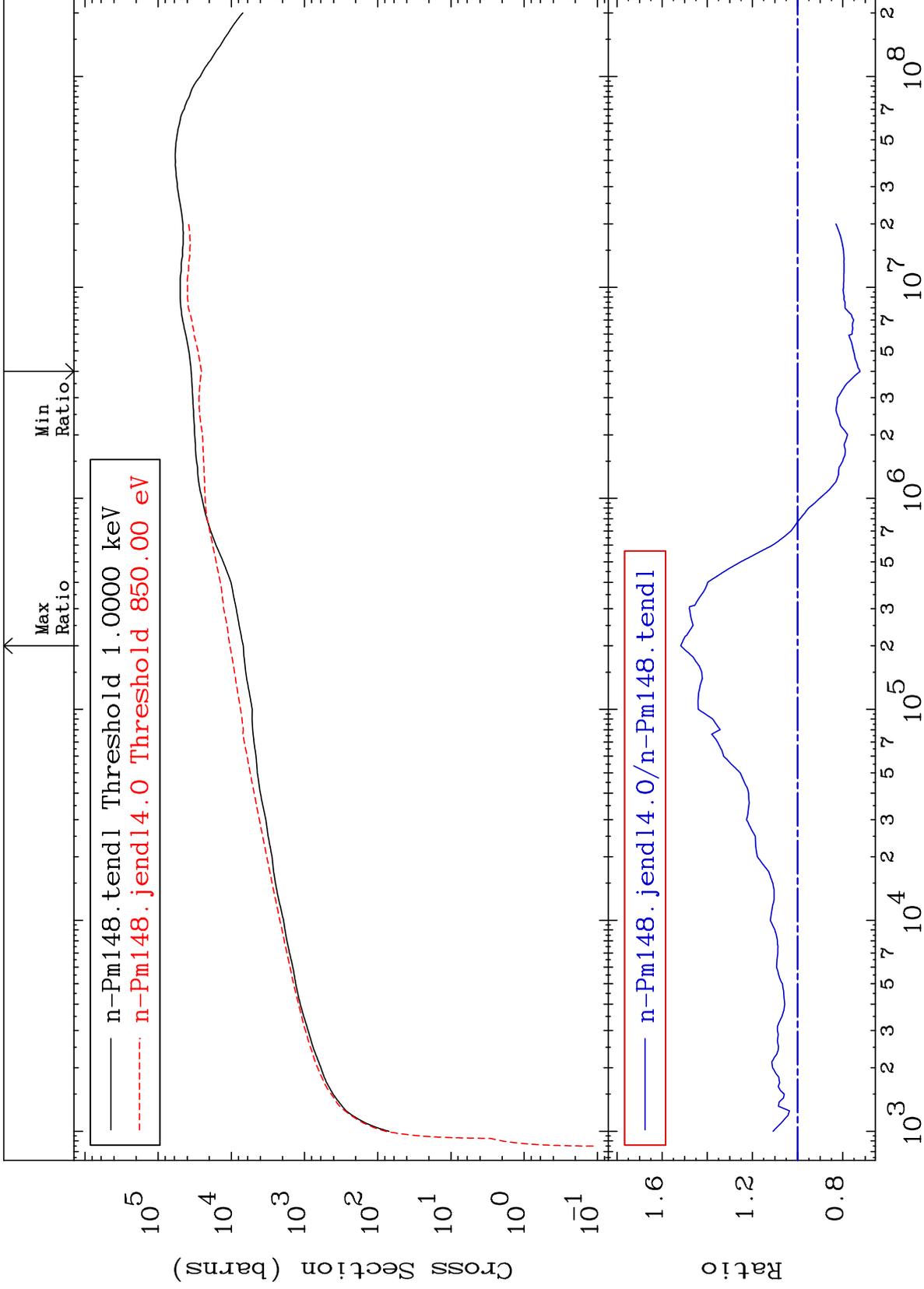








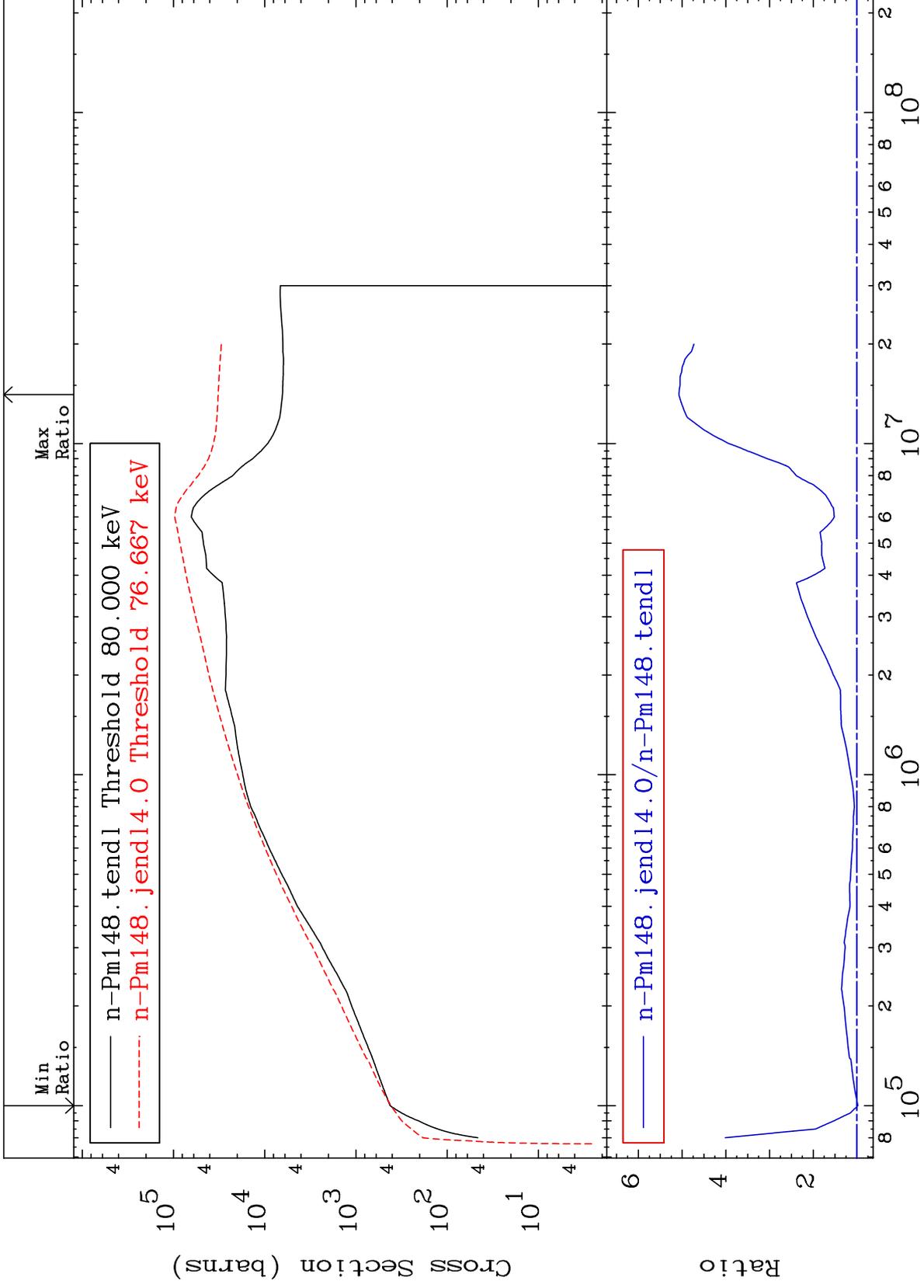




MAT 6152

Dpa inelastic (mt51-91)
Cross Section

61-Pm-148
-2.228 To 407.1 %



58

Incident Energy (eV)

61-Pm-148

