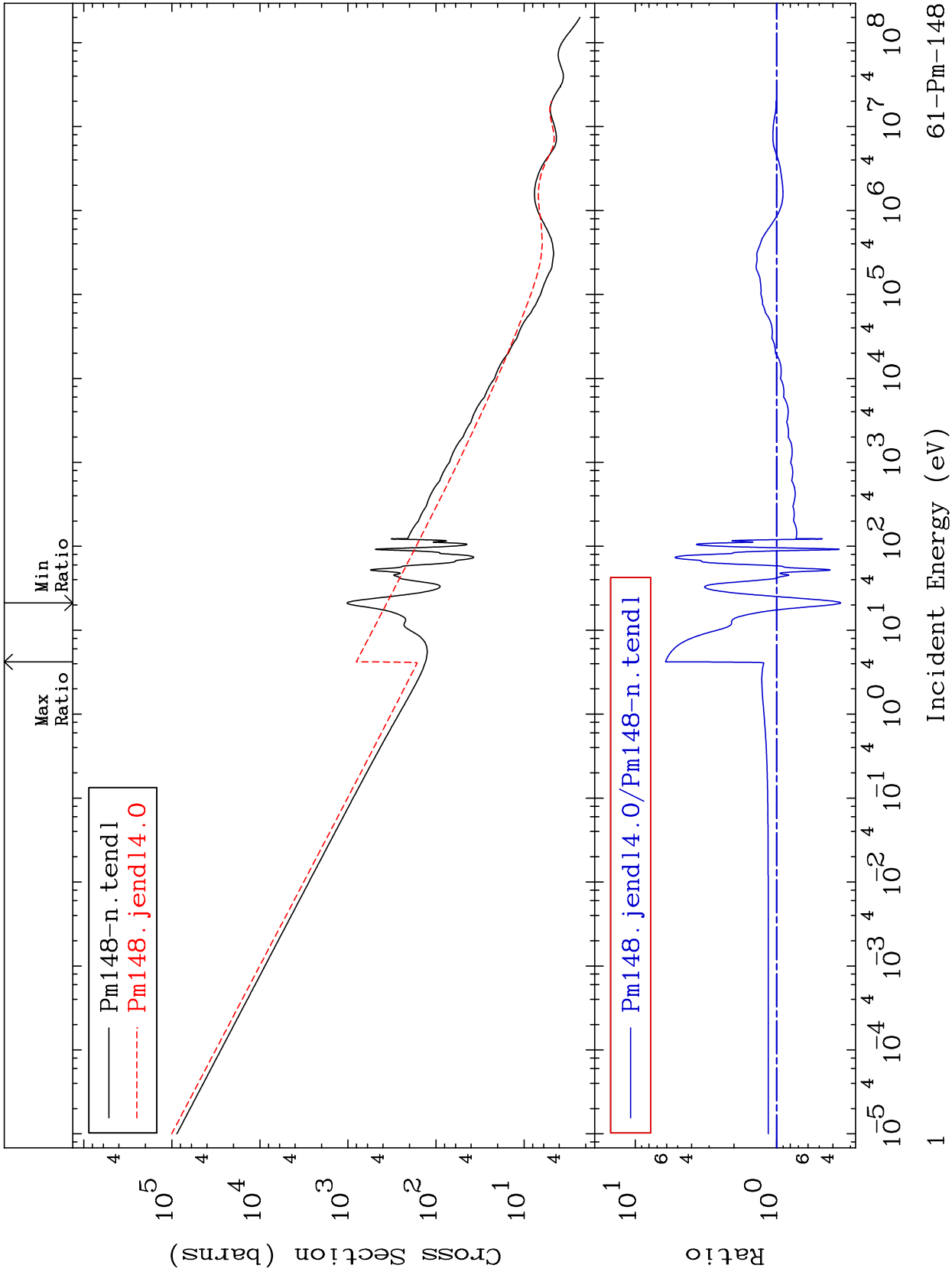


MAT 6152

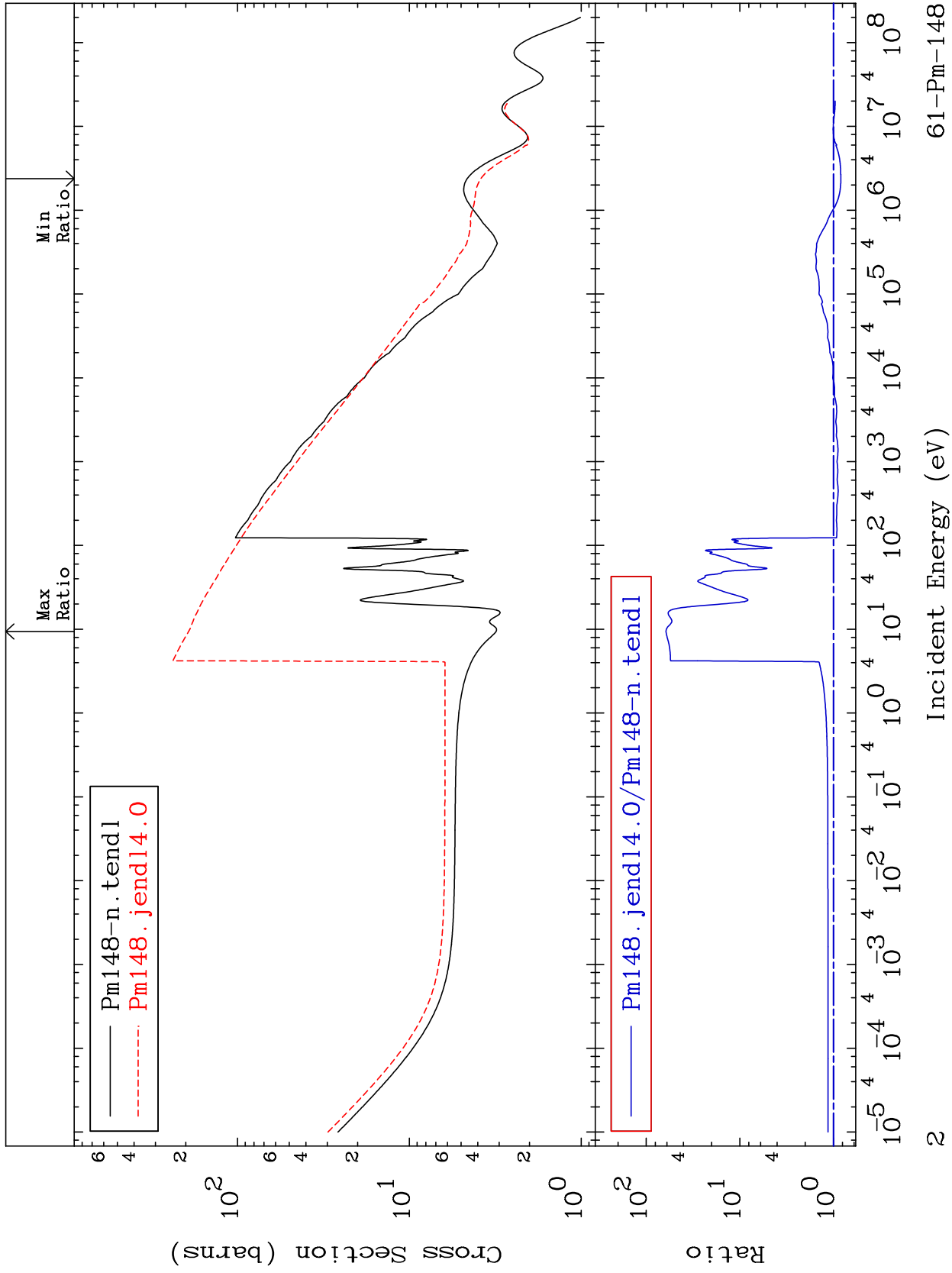
Total Cross Section
61-Pm-148
-64.78 To 510.7 %



61-Pm-148

MAT 6152

Elastic Cross Section
61-Pm-148
-16.71 To 6048. %



61-Pm-148

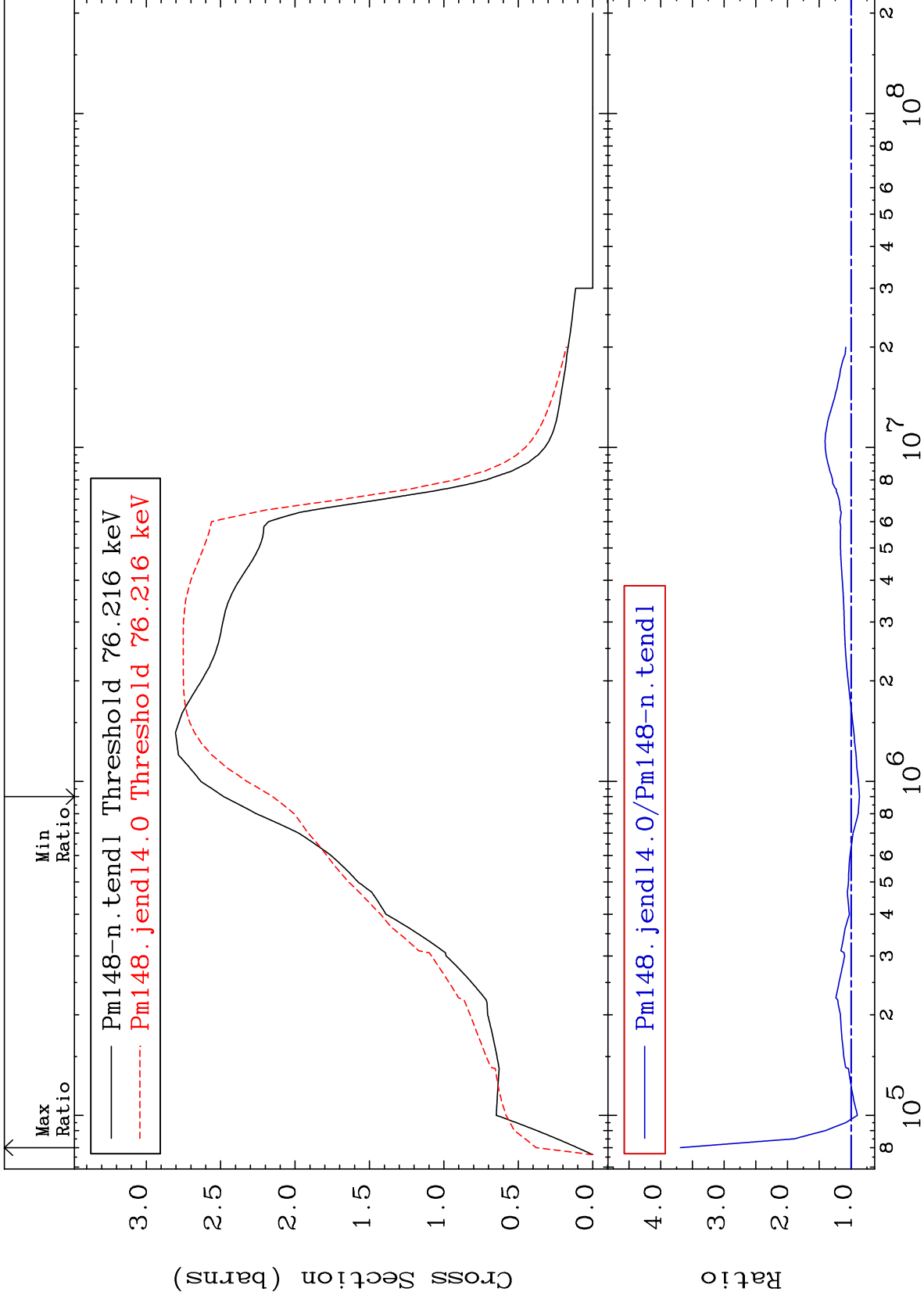
Incident Energy (eV)

2

MAT 6152

Inelastic
Cross Section

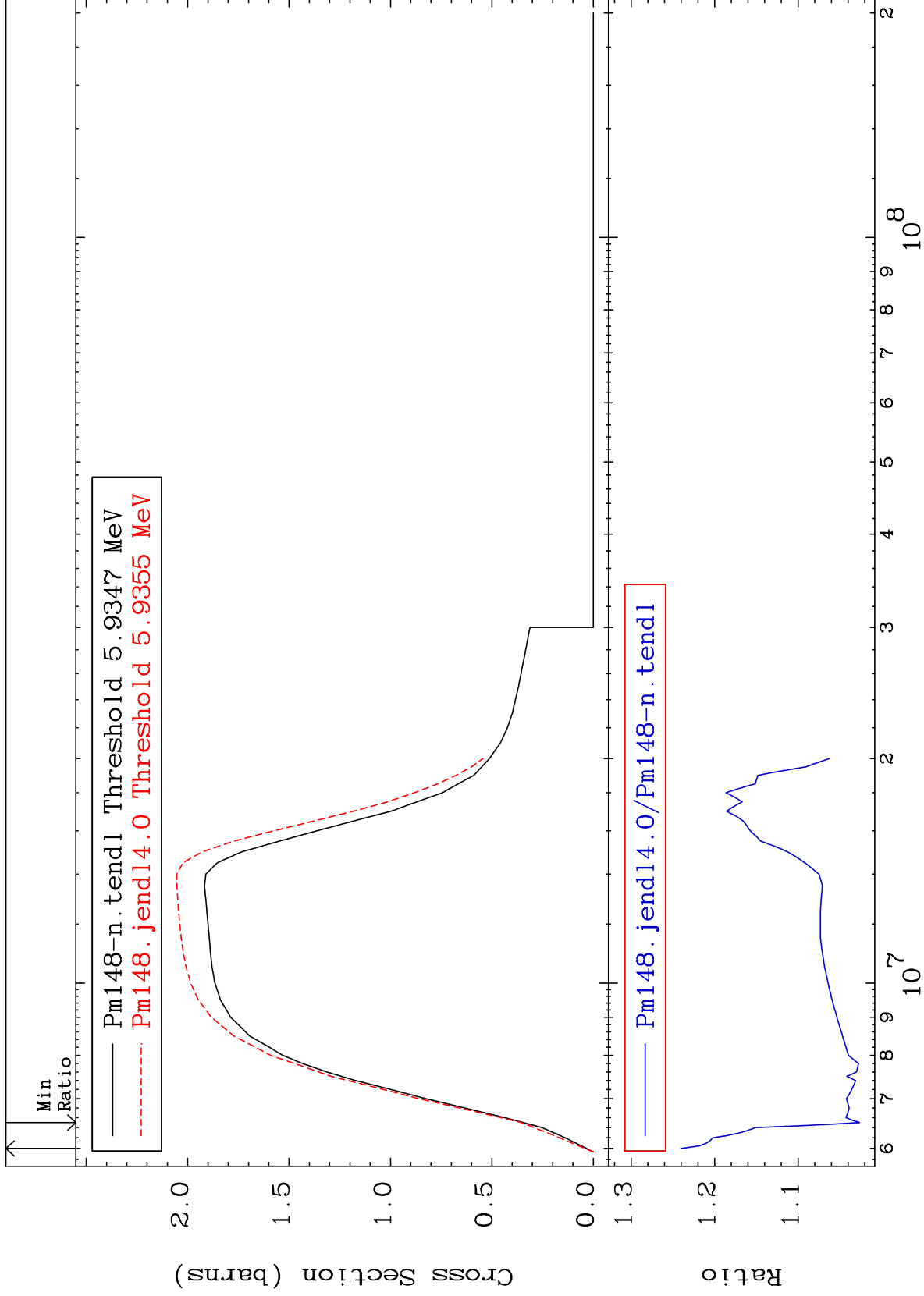
61-Pm-148
-13.30 To 269.0 %



MAT 6152

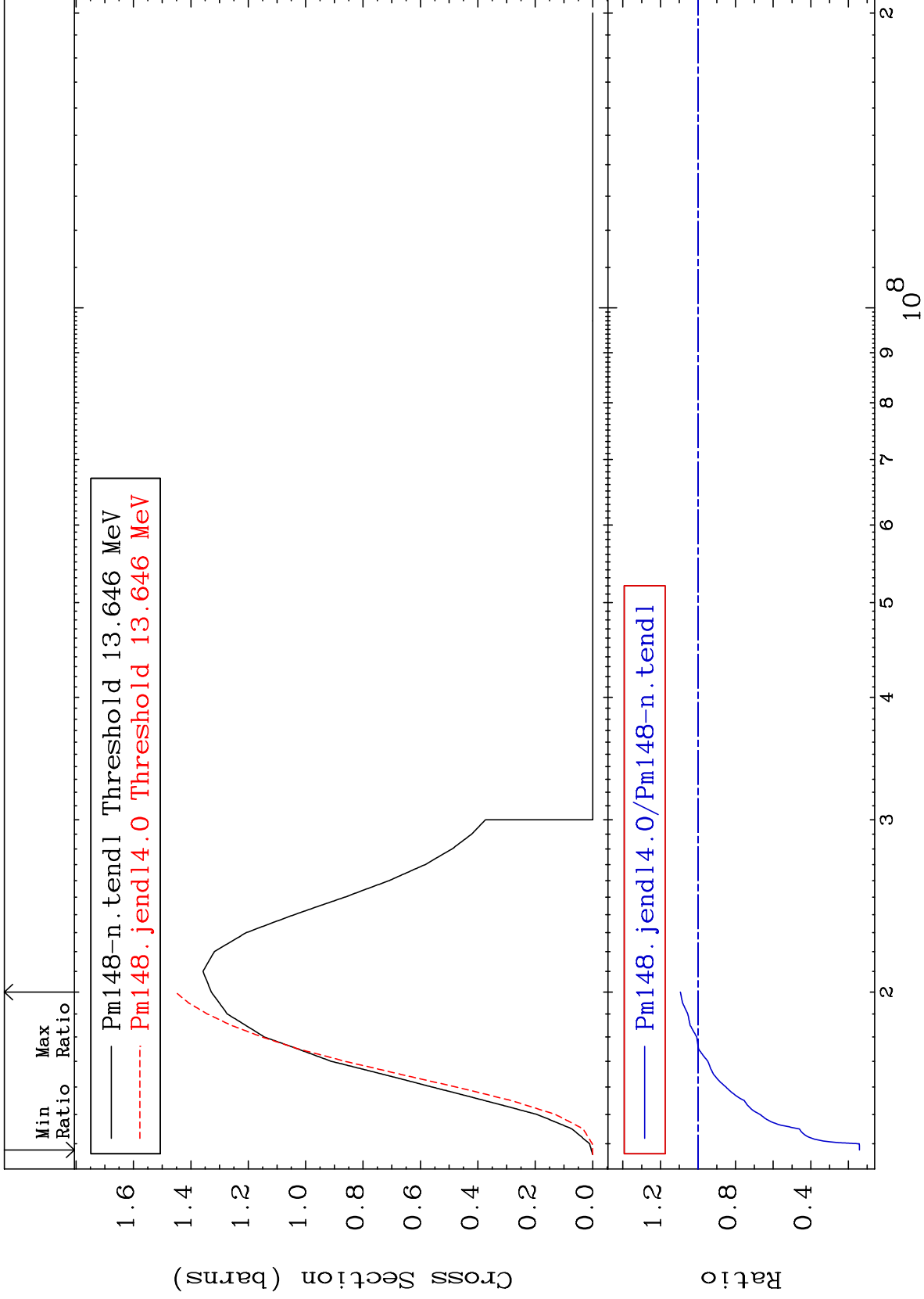
(n,2n)
Cross Section

61-Pm-148
2.634 To 24.05 %



4

61-Pm-148



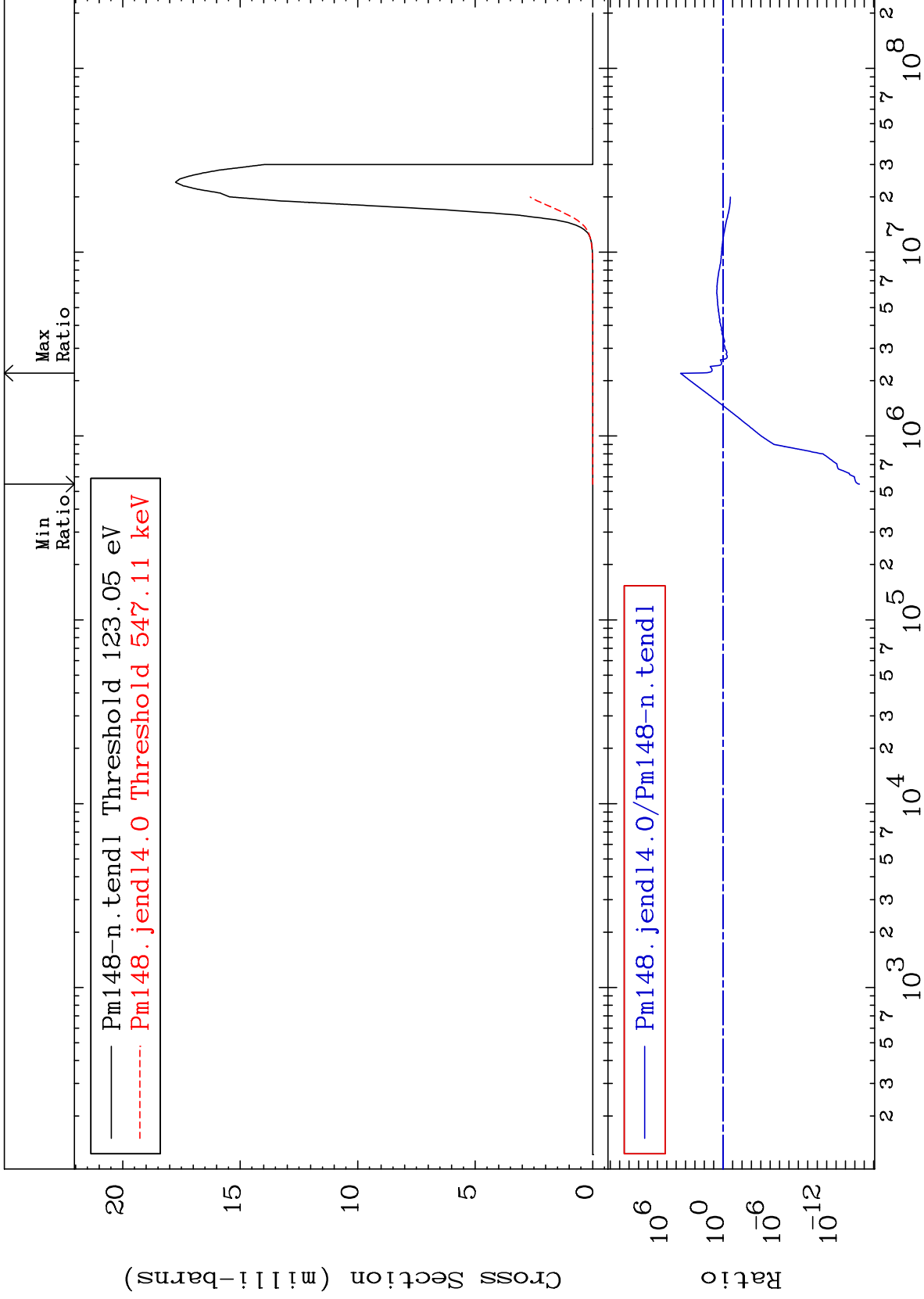
MAT 6152

(n, n') α

61-Pm-148

Cross Section

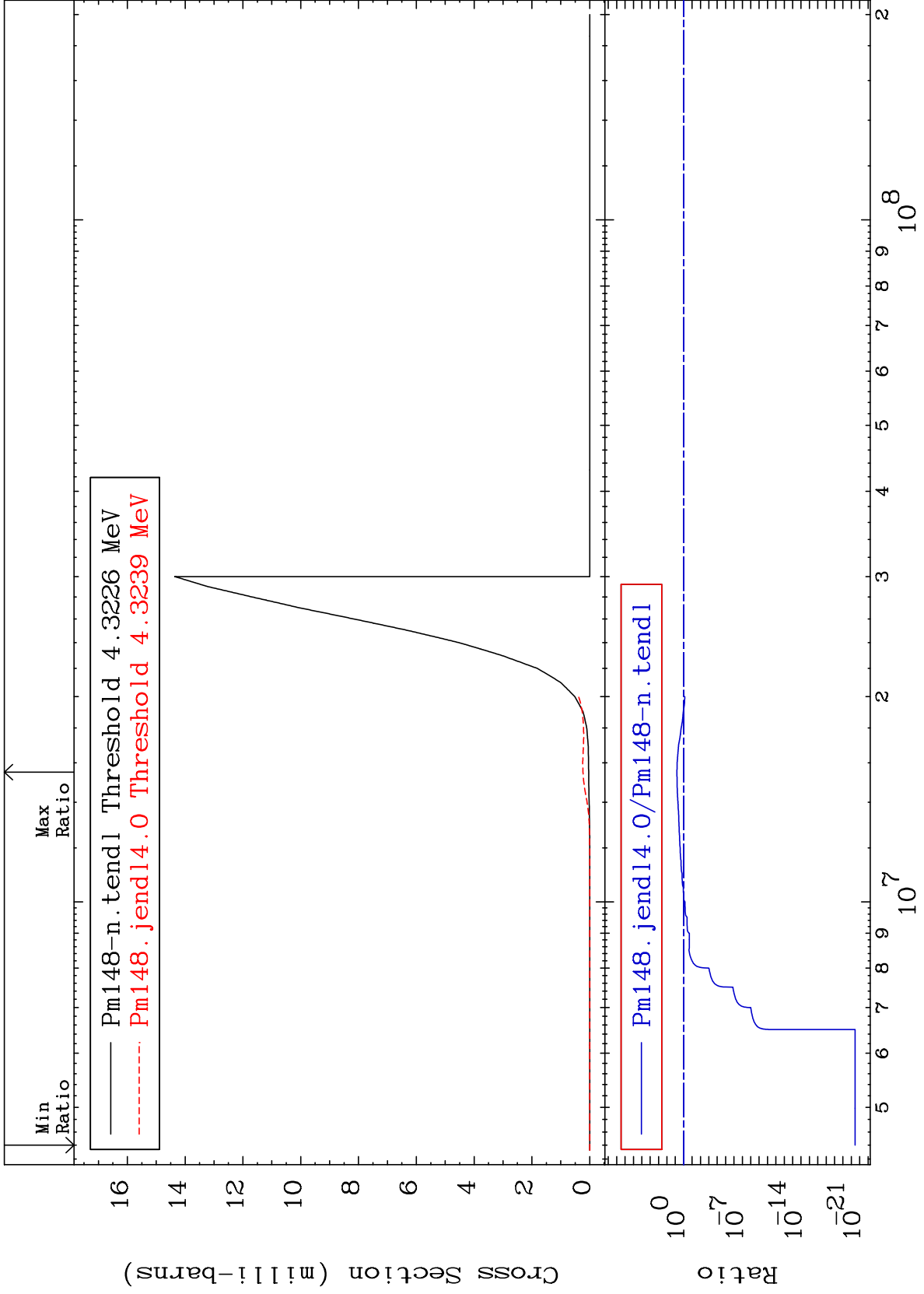
-100.0 To 9999. %



MAT 6152

(n,2n) α
Cross Section

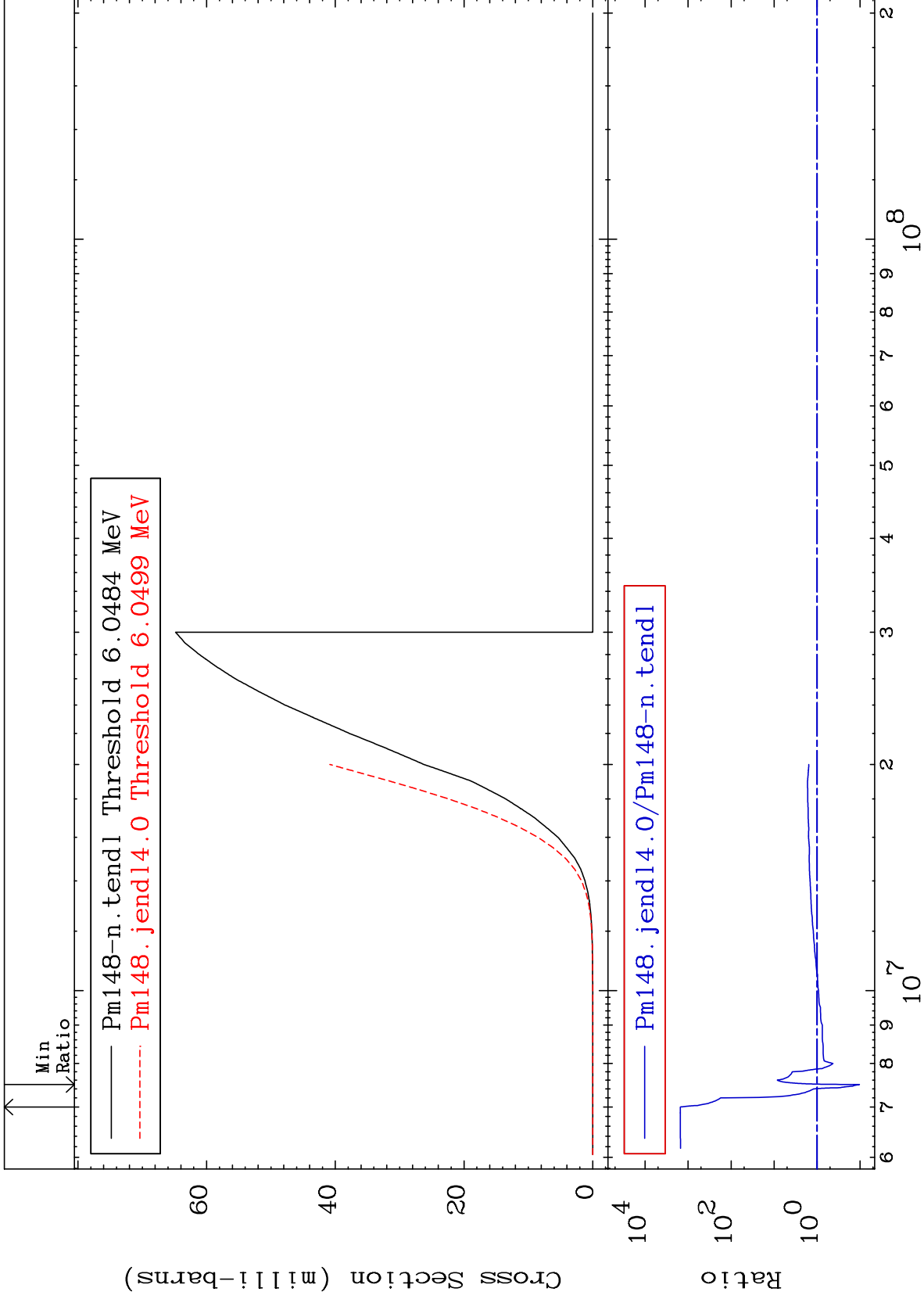
61-Pm-148
-100.0 To 543.9 %



MAT 6152

(n,n') p
Cross Section

61-Pm-148
-89.62 To 9999. %



8

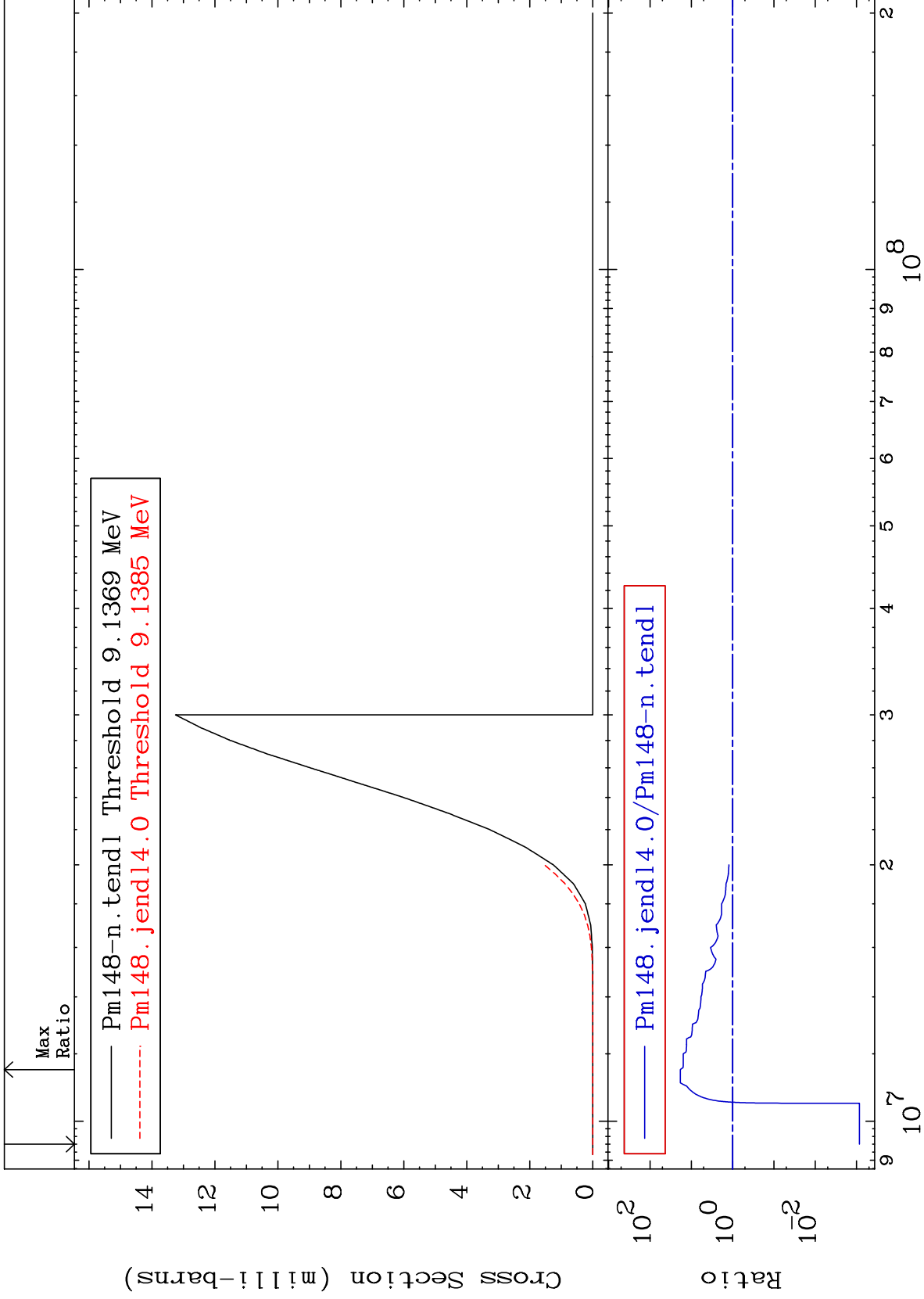
Incident Energy (eV)

61-Pm-148

MAT 6152

(n,n') d
Cross Section

61-Pm-148
-99.91 To 1740. %



9

61-Pm-148

61-Pm-148

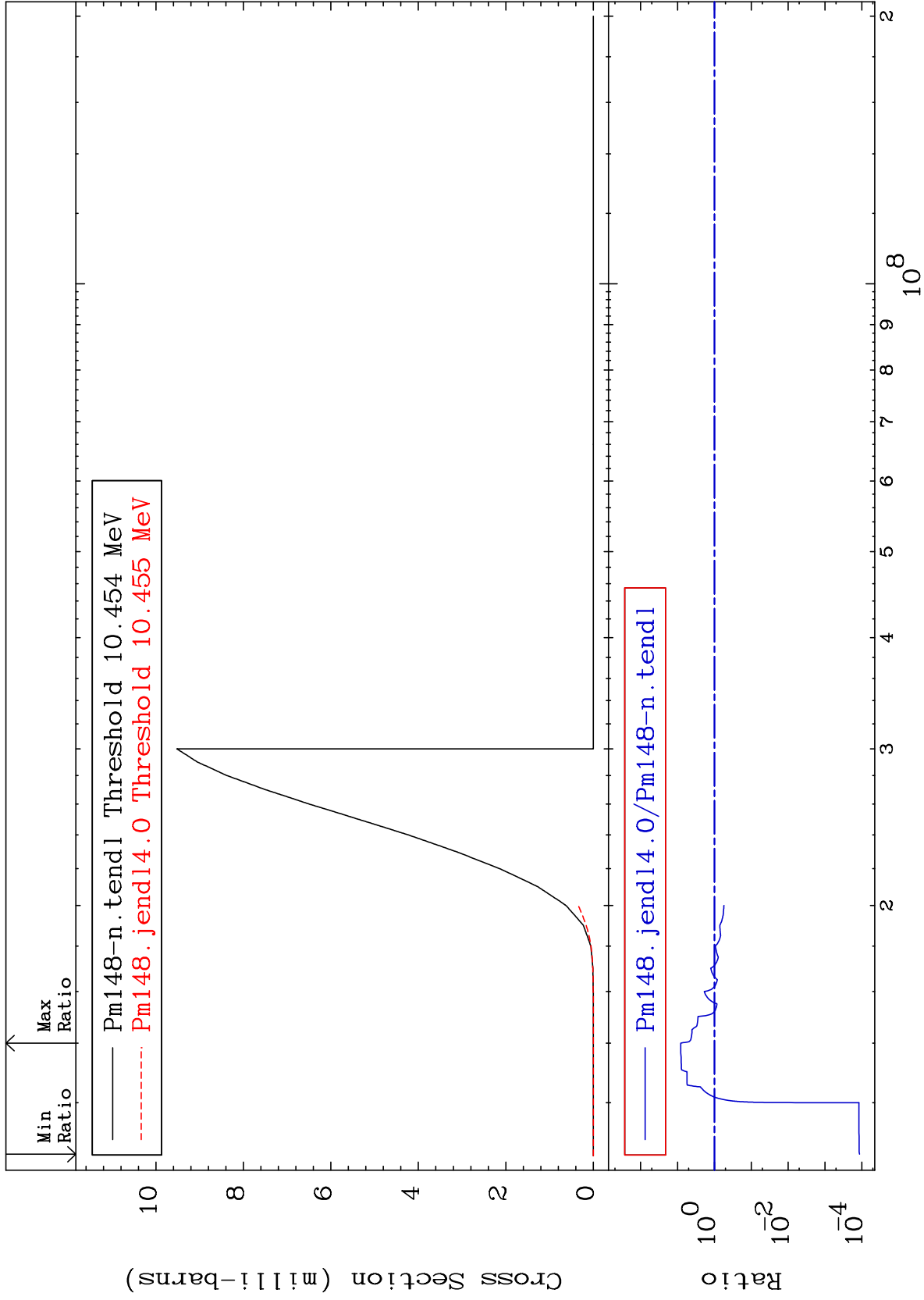
MAT 6152

(n,n') t

61-Pm-148

Cross Section

-99.99 To 715.4 %



10

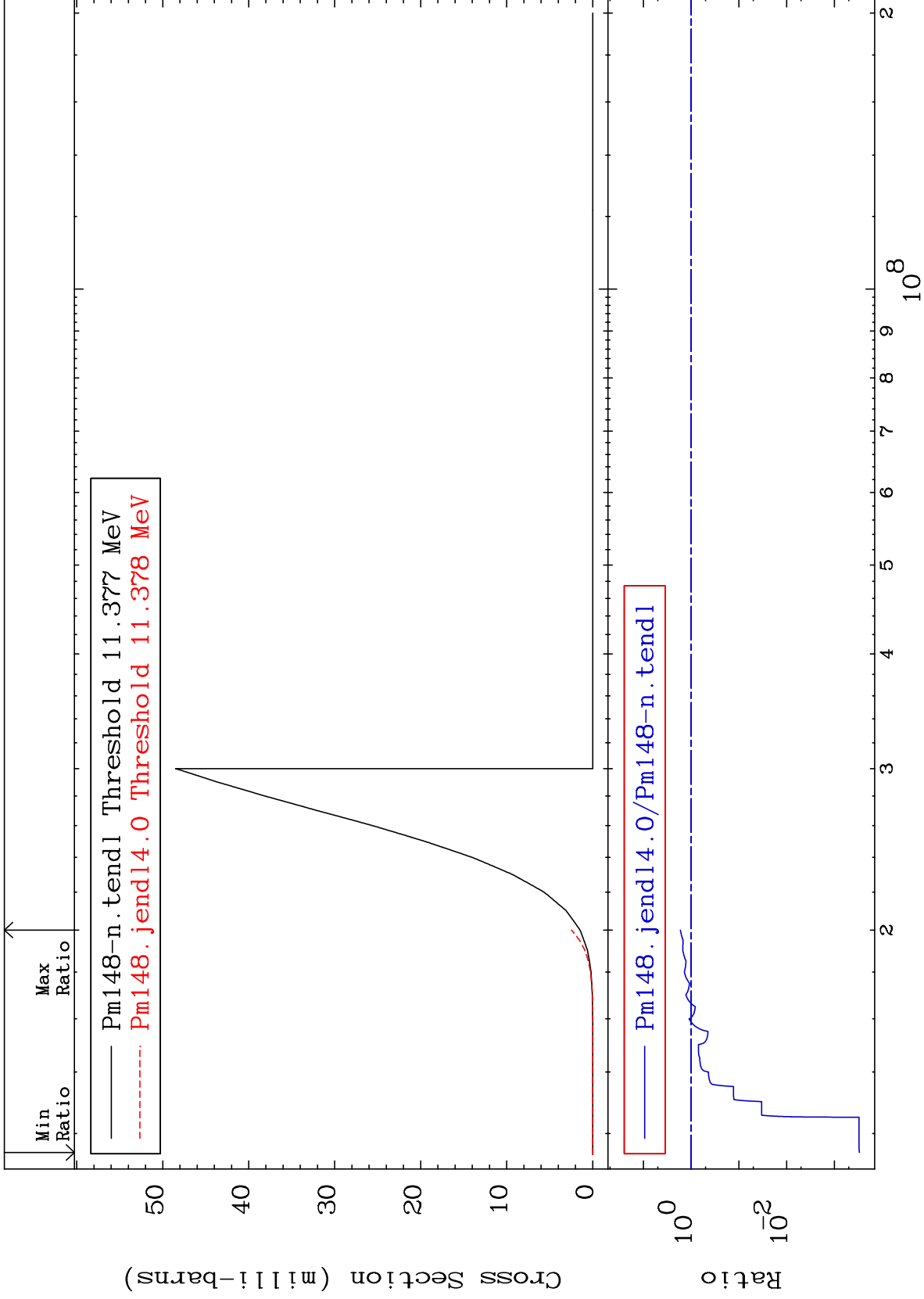
Incident Energy (eV)

61-Pm-148

MAT 6152

(n,2n) p
Cross Section

61-Pm-148
-99.97 To 68.36 %



11

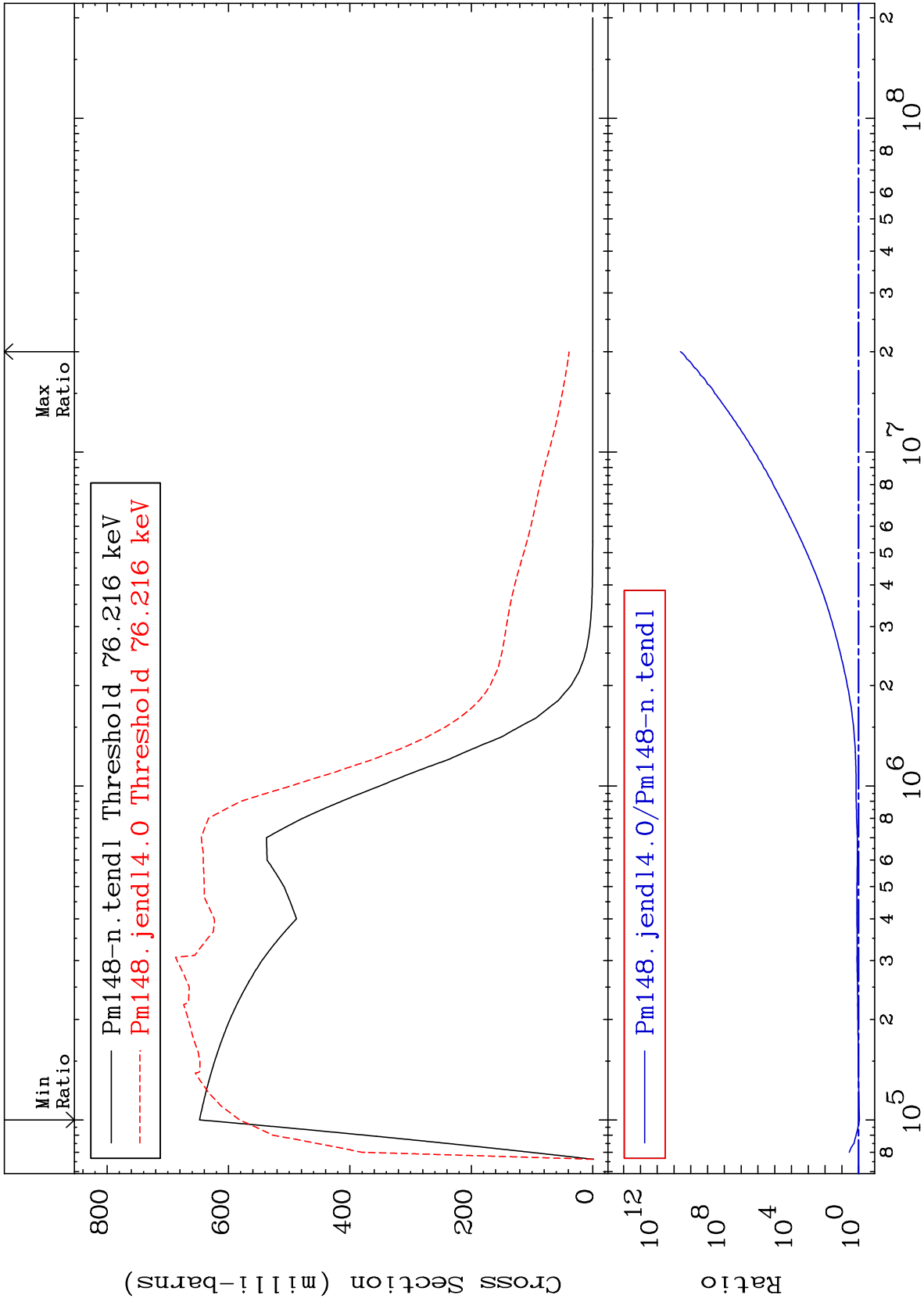
Incident Energy (eV)

61-Pm-148

MAT 6152

75.70 keV (n,n') Level
Cross Section

61-Pm-148
-10.15 To 9999. %



12

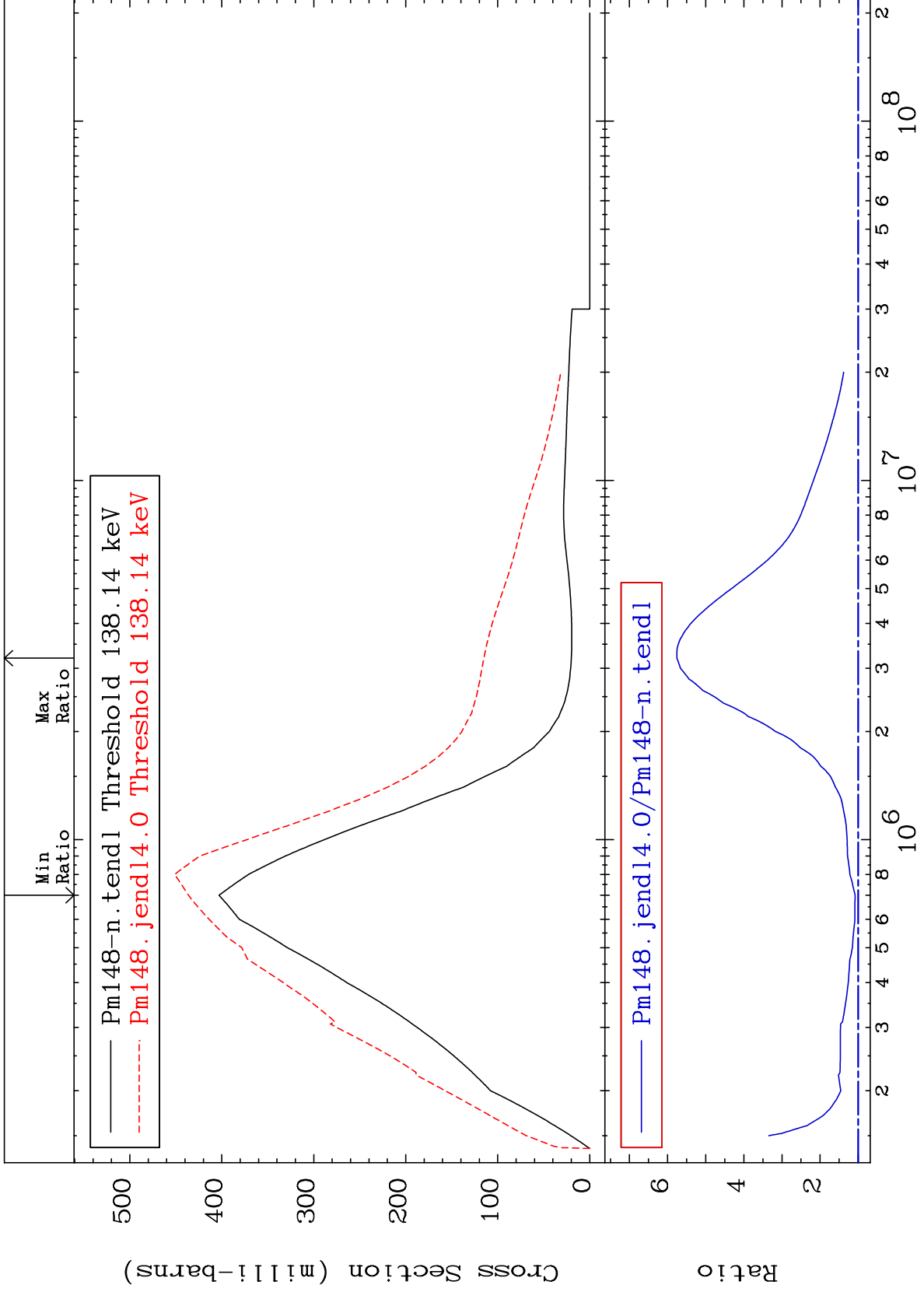
Incident Energy (eV)

61-Pm-148

MAT 6152

137.2 keV (n,n') Level
Cross Section

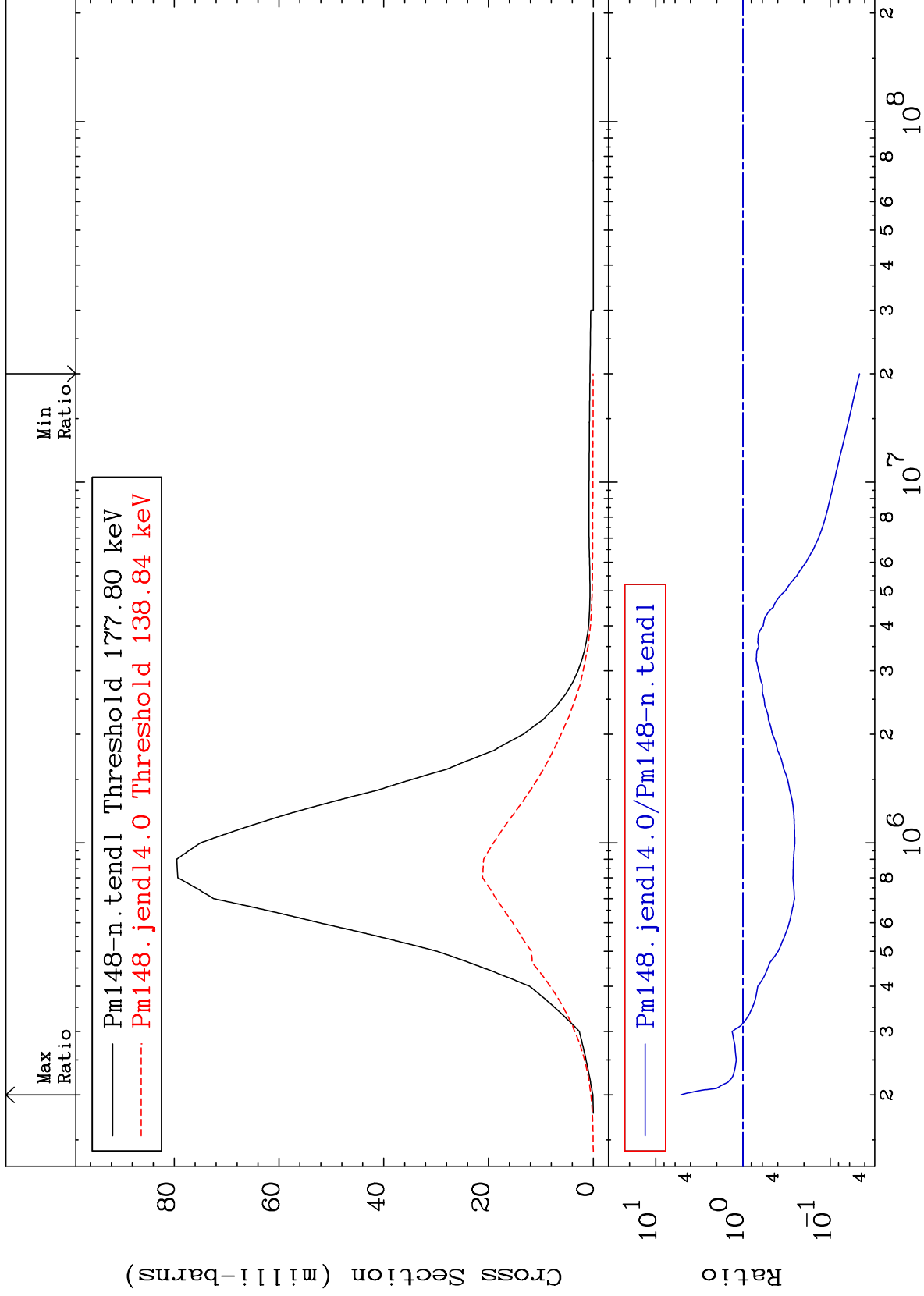
61-Pm-148
8.240 To 475.5 %



MAT 6152

176.6 keV (n,n') Level
Cross Section

61-Pm-148
-95.40 To 416.0 %



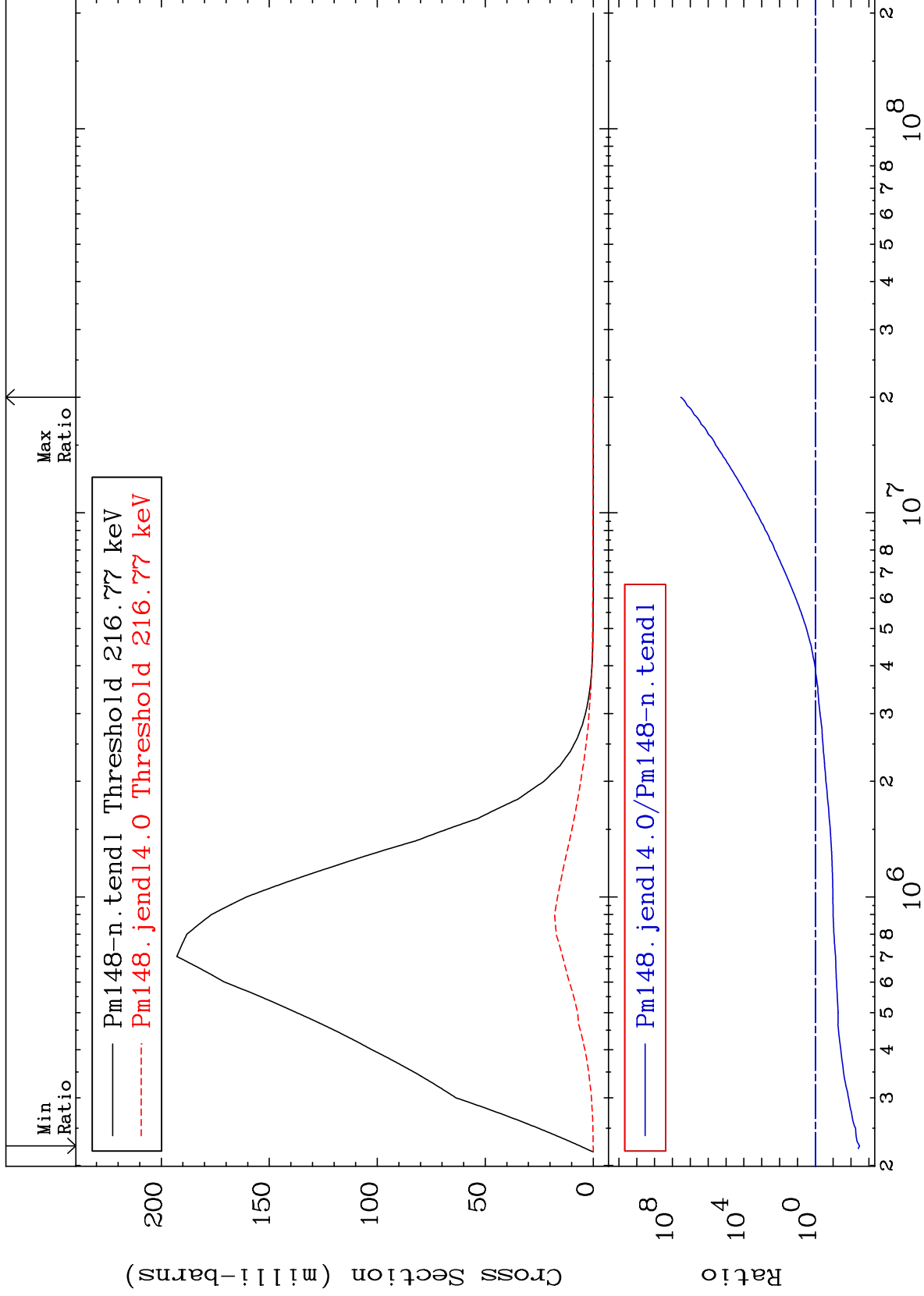
14

61-Pm-148

MAT 6152

215.3 keV (n,n') Level
Cross Section

61-Pm-148
-99.67 To 9999. %



15

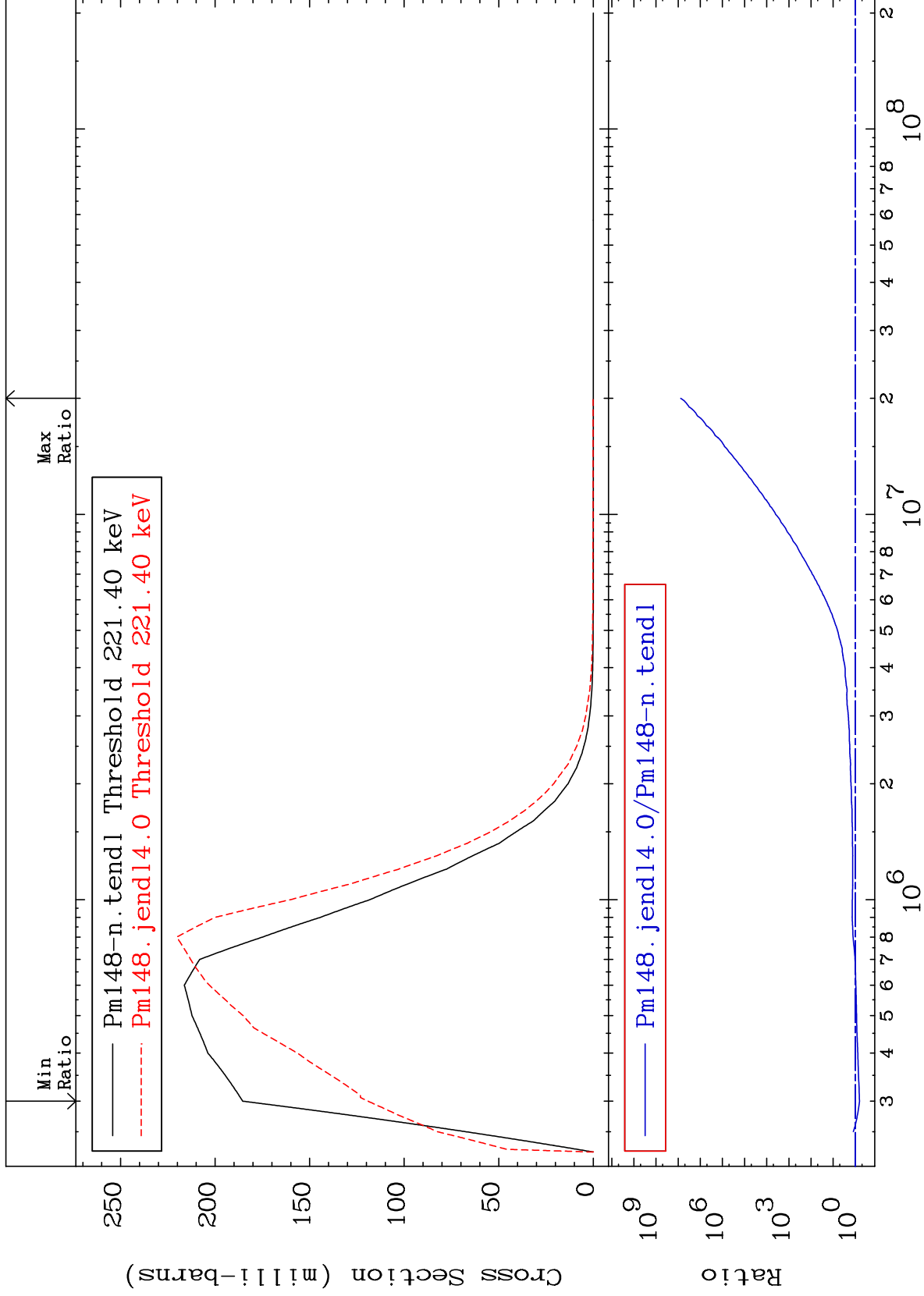
Incident Energy (eV)

61-Pm-148

MAT 6152

219.9 keV (n,n') Level
Cross Section

61-Pm-148
-35.79 To 9999. %



16

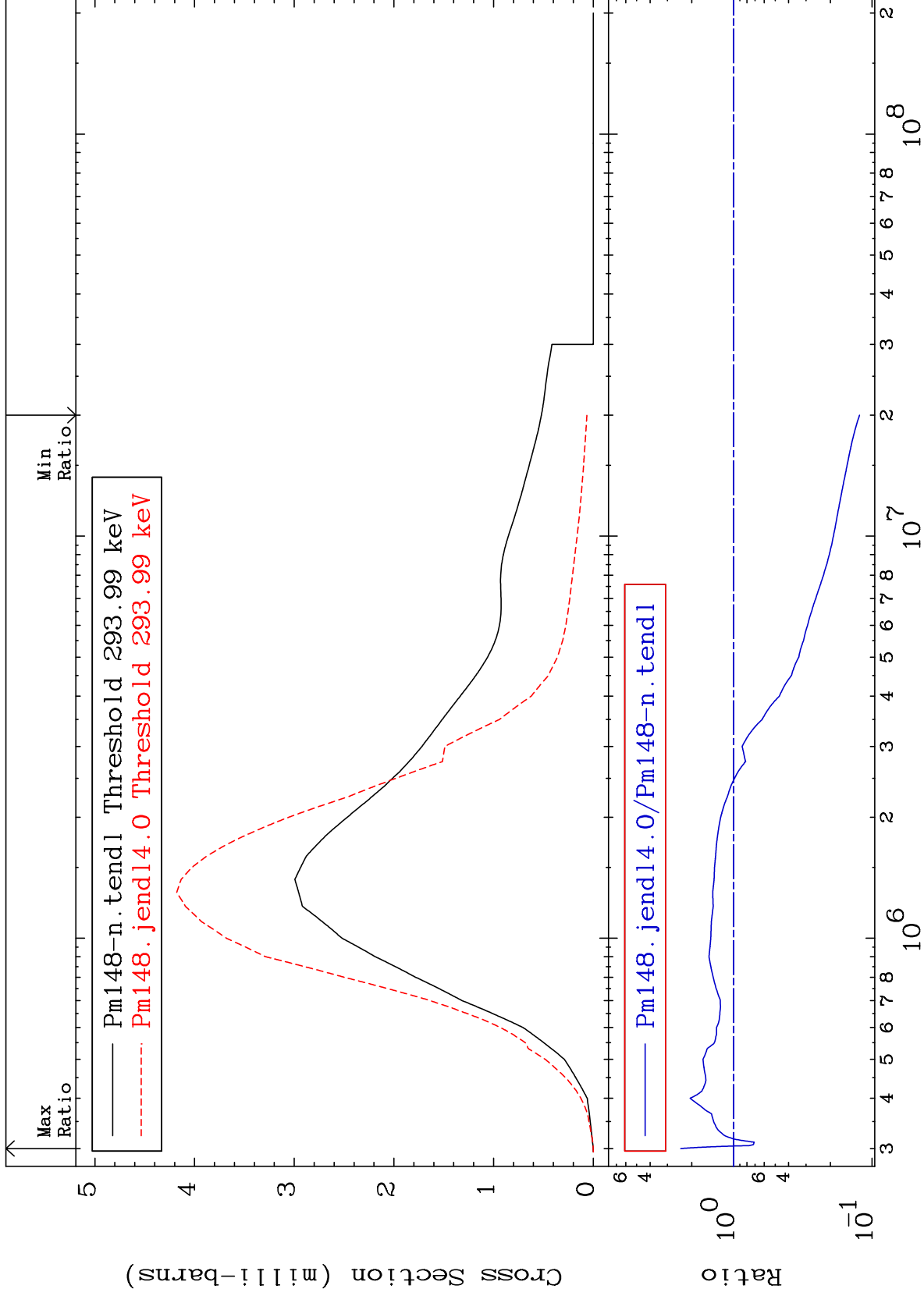
Incident Energy (eV)

61-Pm-148

MAT 6152

292.0 keV (n,n') Level
Cross Section

61-Pm-148
-87.69 To 140.3 %



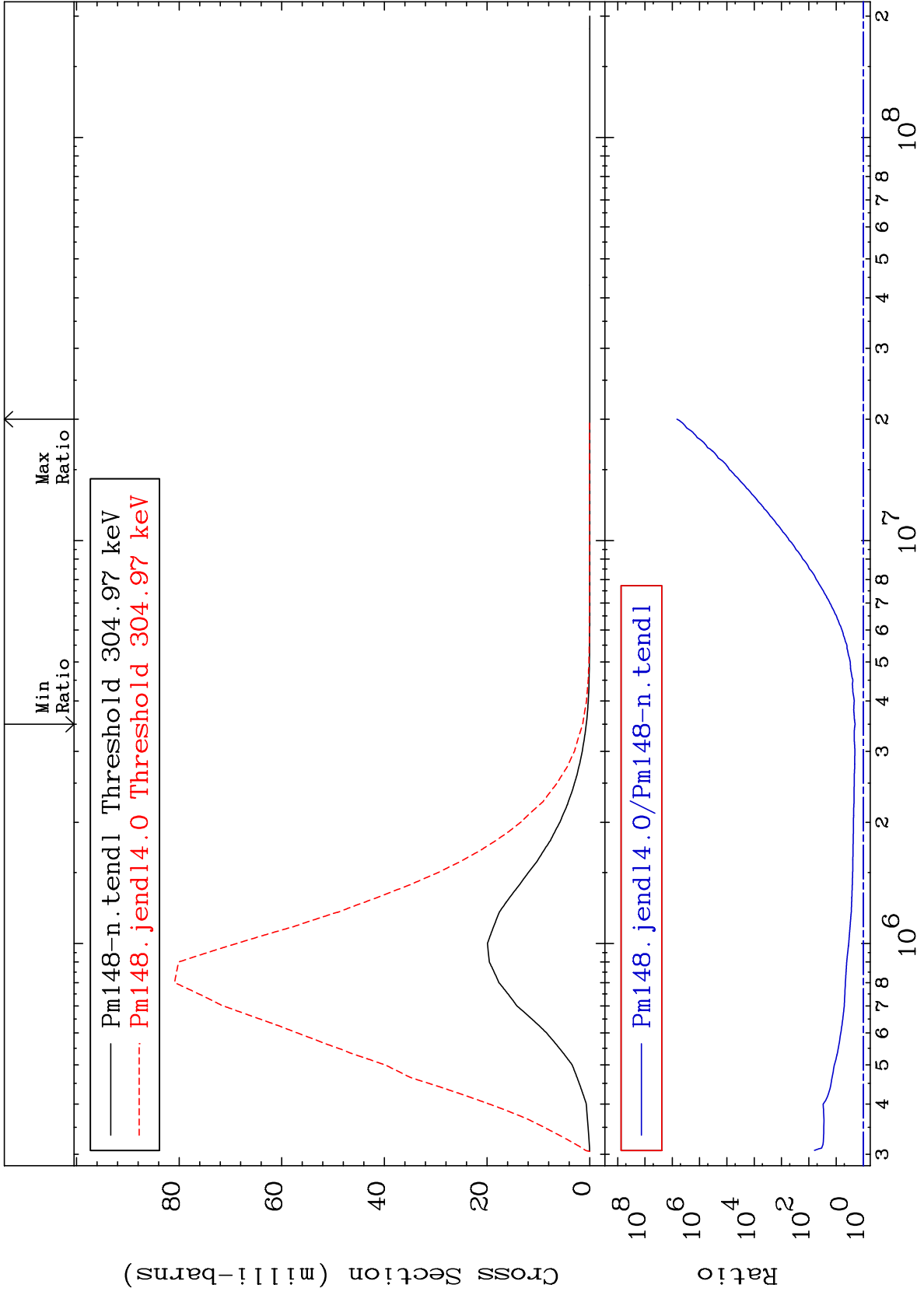
17

61-Pm-148

MAT 6152

302.9 keV (n,n') Level
Cross Section

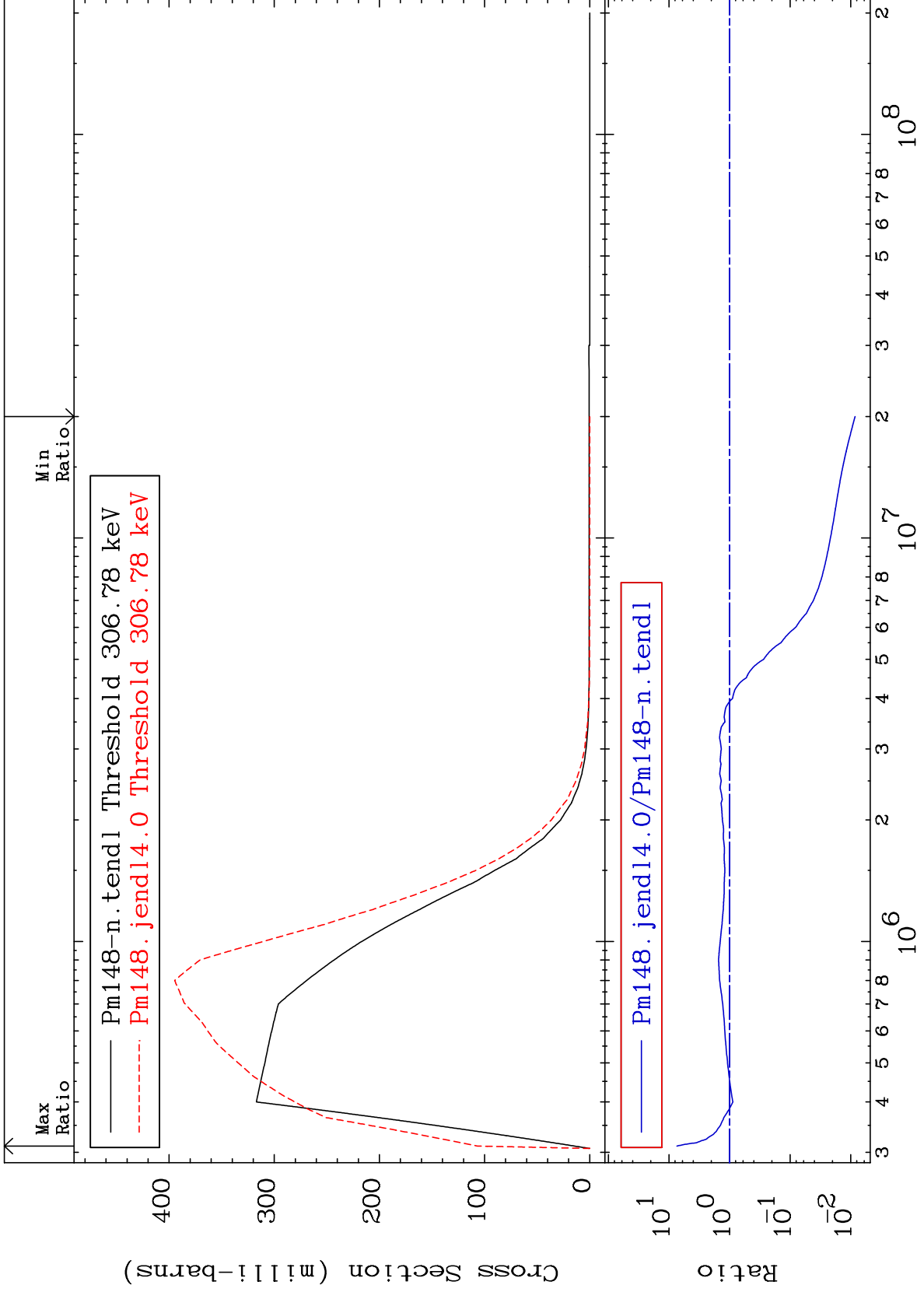
61-Pm-148
101.9 To 9999. %



MAT 6152

304.7 keV (n,n') Level
Cross Section

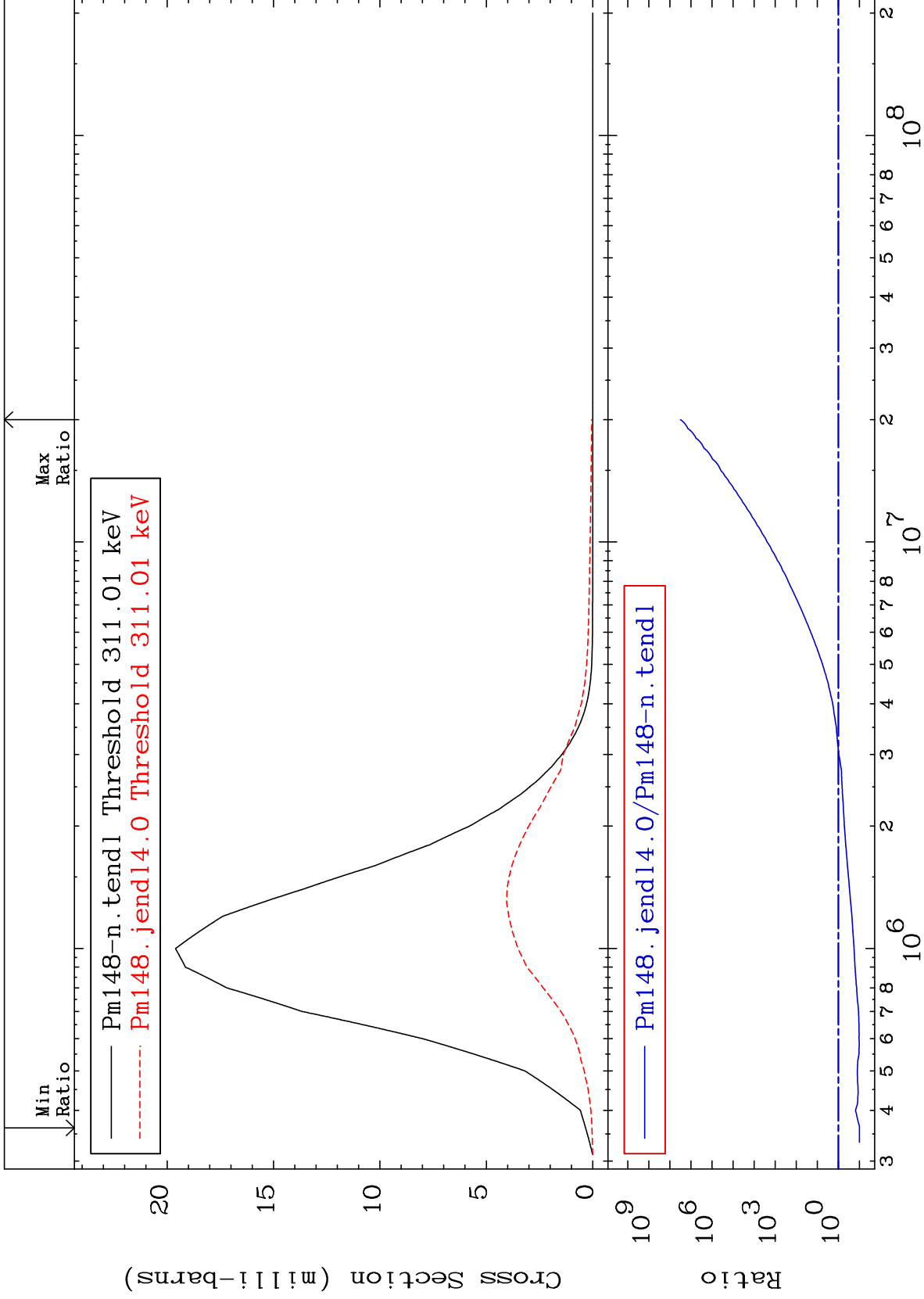
61-Pm-148
-99.15 To 641.7 %



MAT 6152

308.9 keV (n,n') Level
Cross Section

61-Pm-148
-90.03 To 9999. %



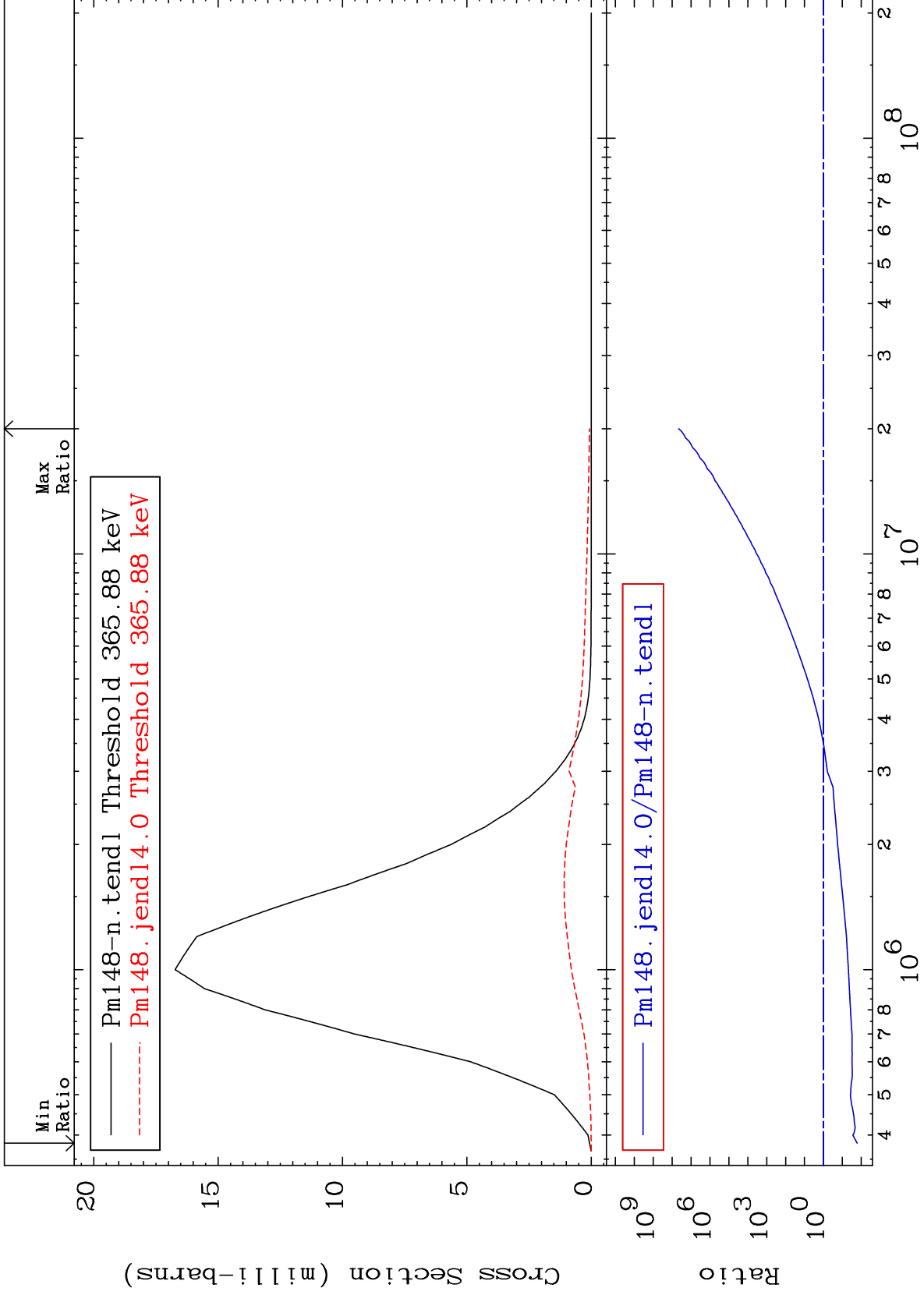
20

61-Pm-148

MAT 6152

363.4 keV (n,n') Level
Cross Section

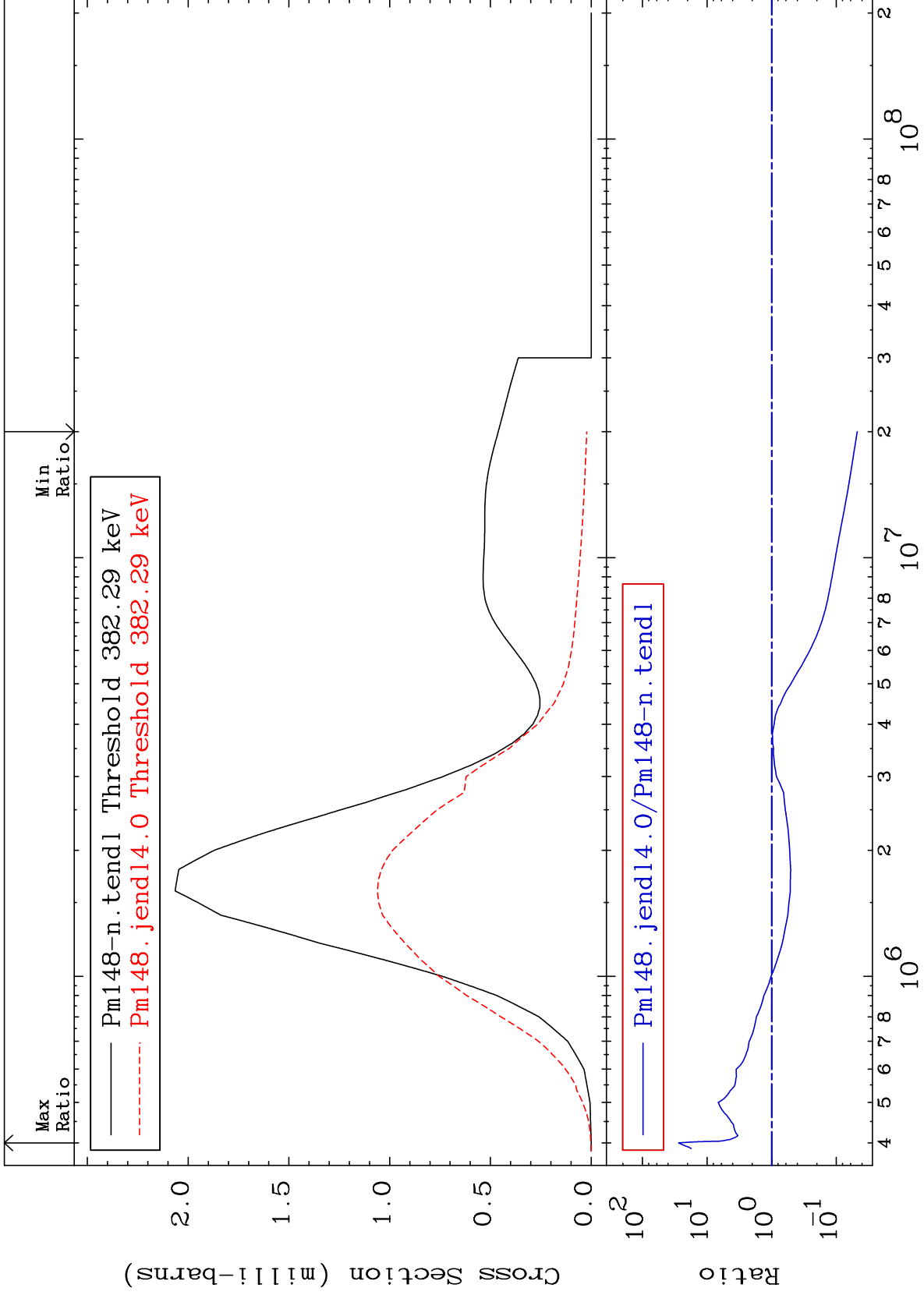
61-Pm-148
-98.37 To 9999. %



MAT 6152

379.7 keV (n,n') Level
Cross Section

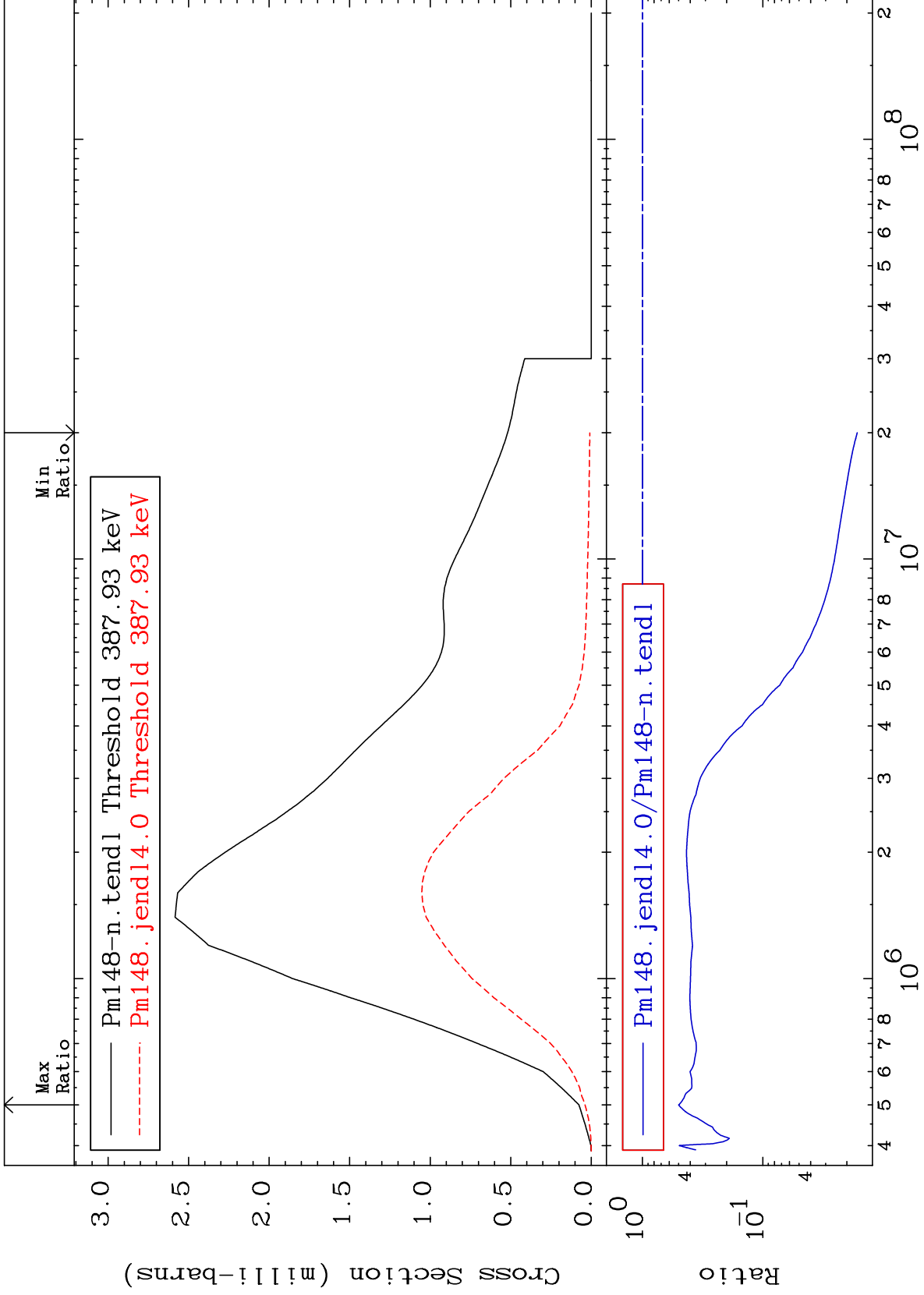
61-Pm-148
-95.26 To 2647. %



MAT 6152

385.3 keV (n,n') Level
Cross Section

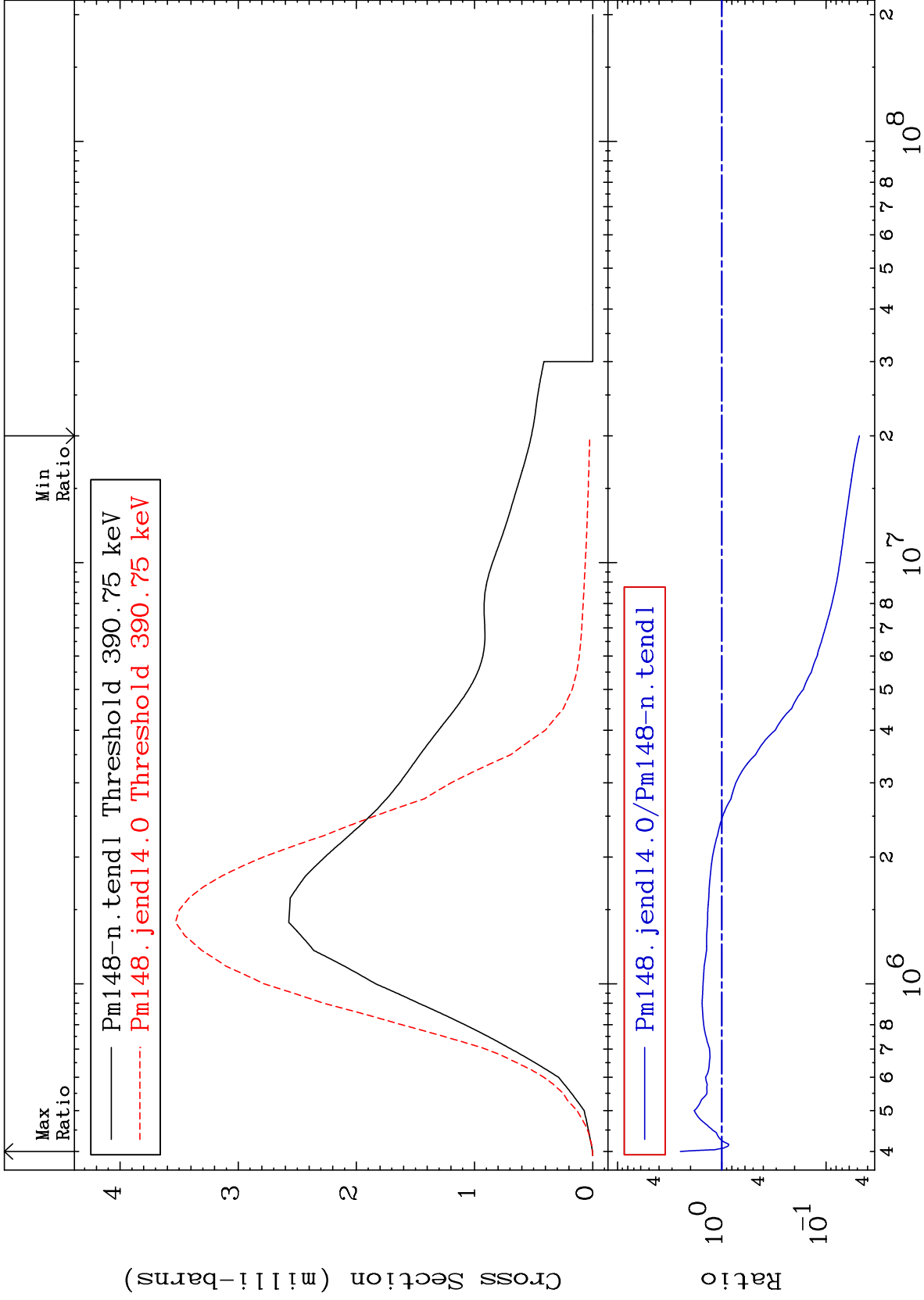
61-Pm-148
-98.36 To -49.96%



MAT 6152

388.1 keV (n,n') Level
Cross Section

61-Pm-148
-95.22 To 149.8 %



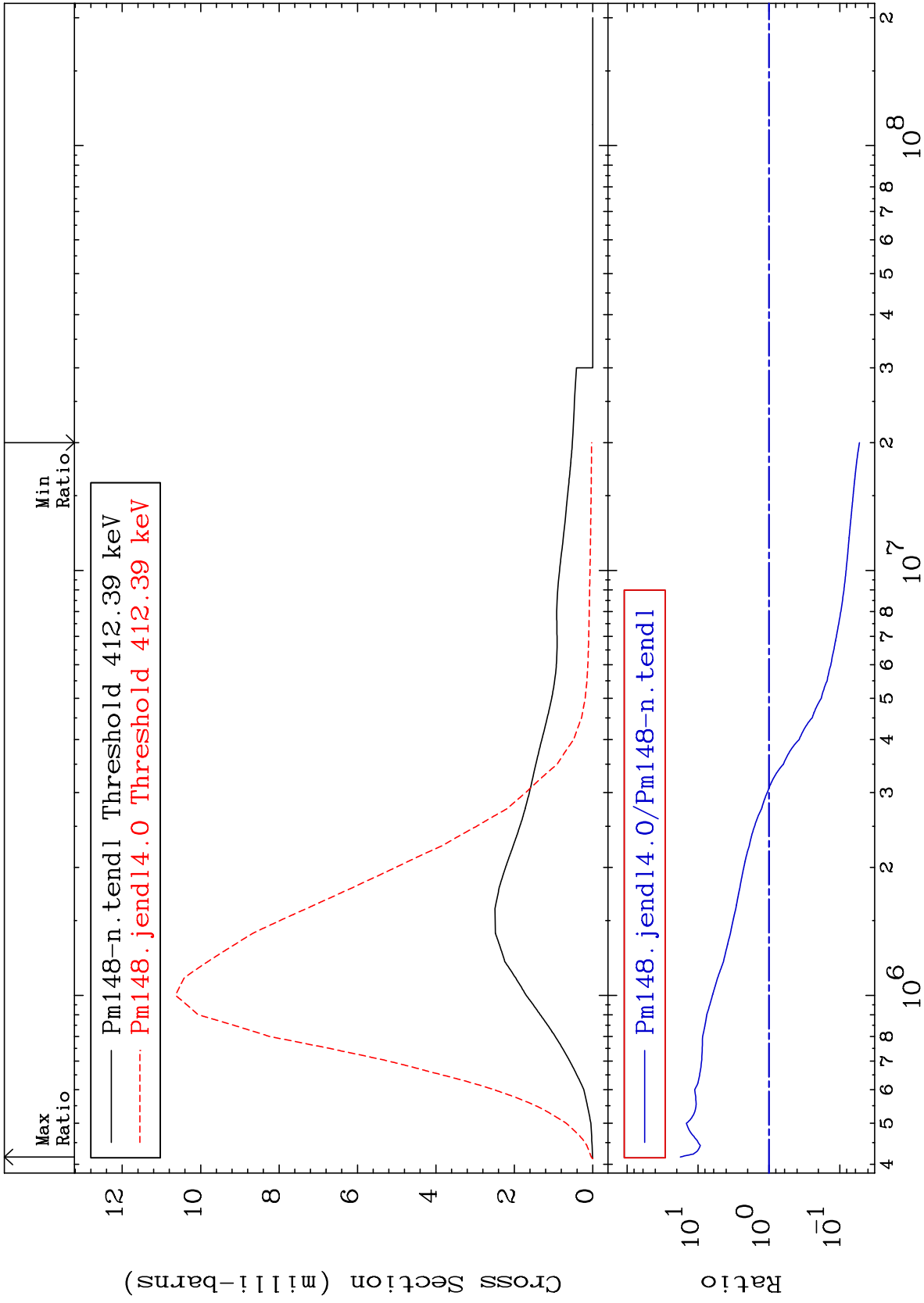
24

61-Pm-148

MAT 6152

409.6 keV (n,n') Level
Cross Section

61-Pm-148
-94.73 To 1676. %



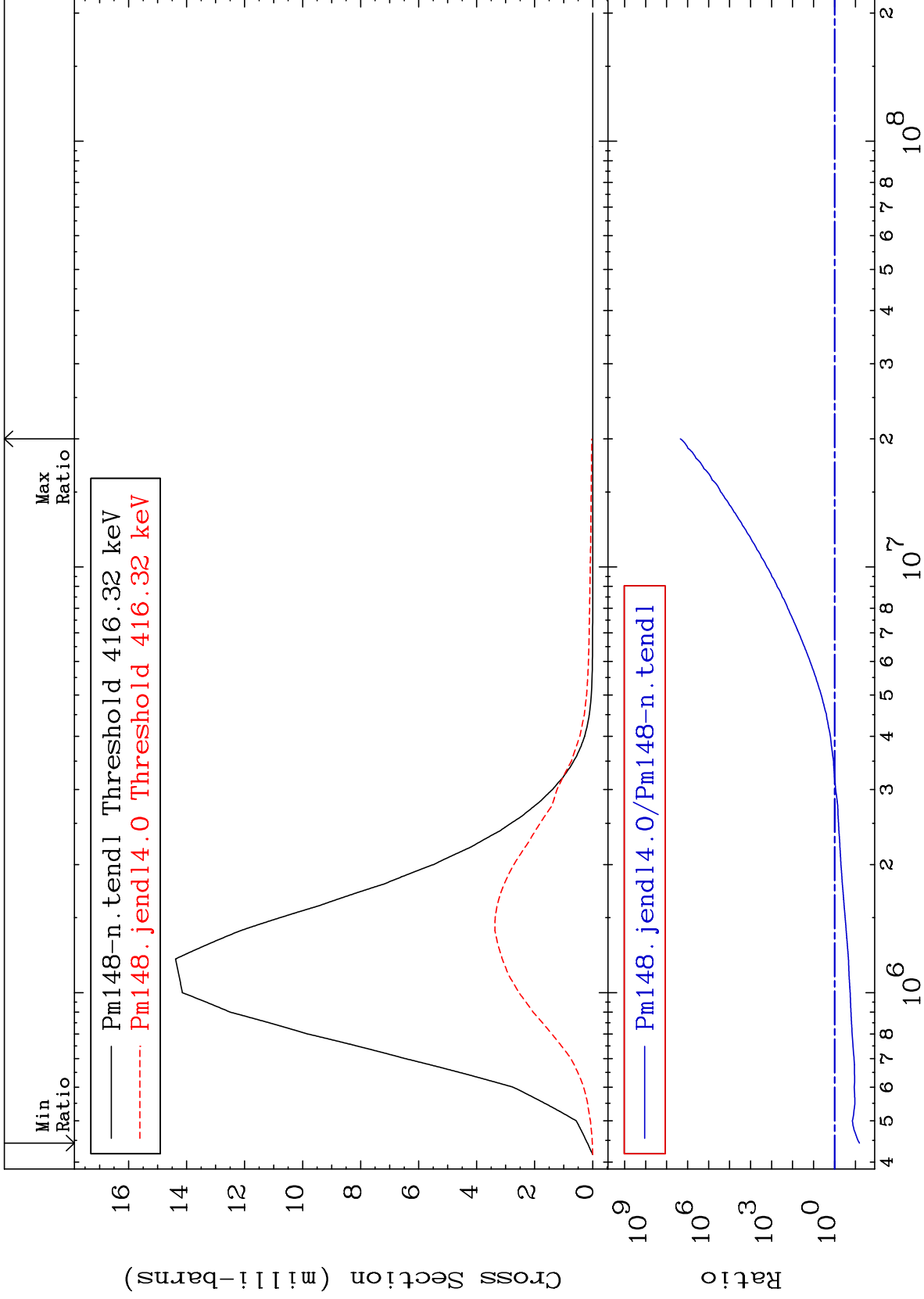
25

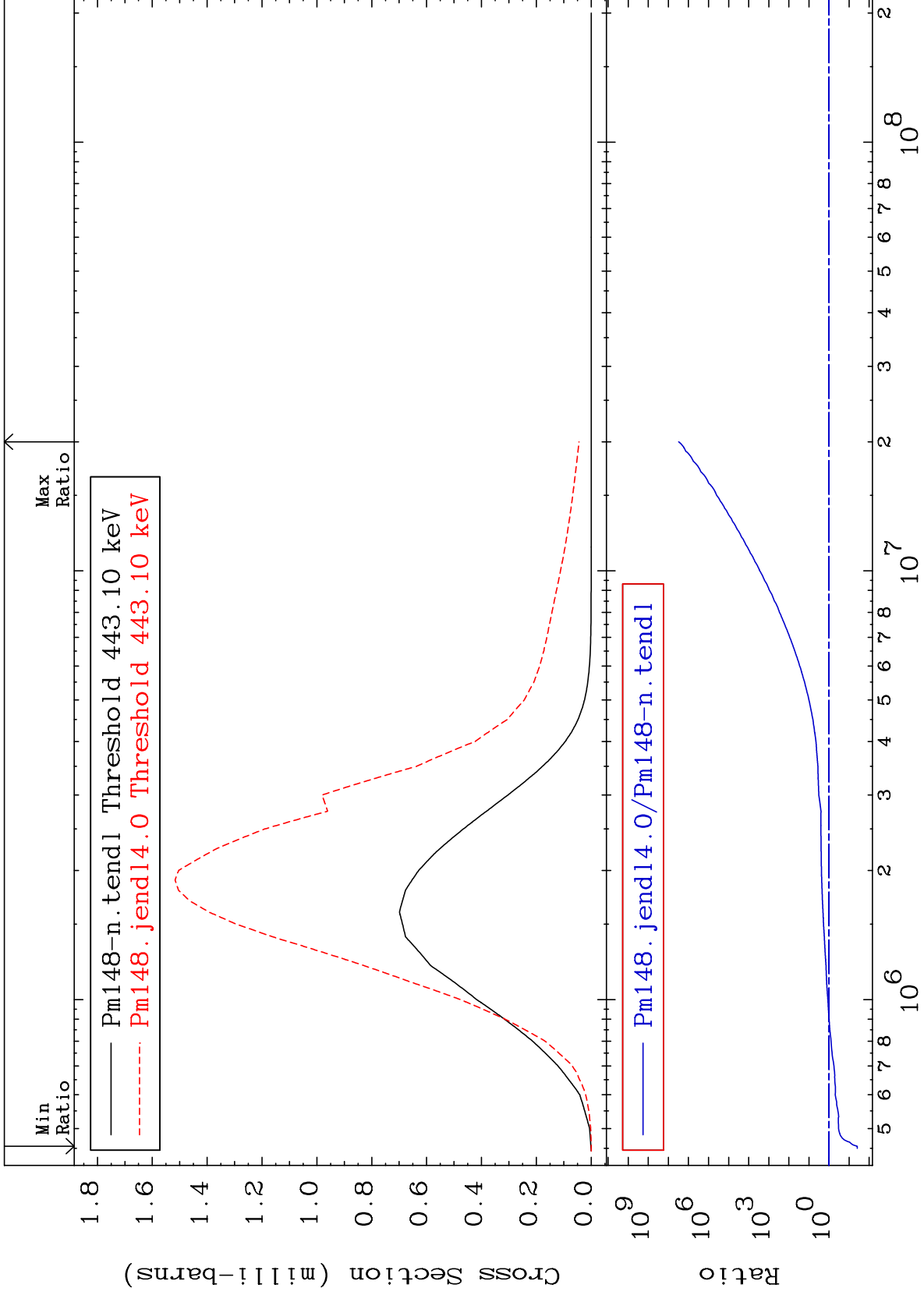
61-Pm-148

MAT 6152

413.5 keV (n,n') Level
Cross Section

61-Pm-148
-93.50 To 9999. %

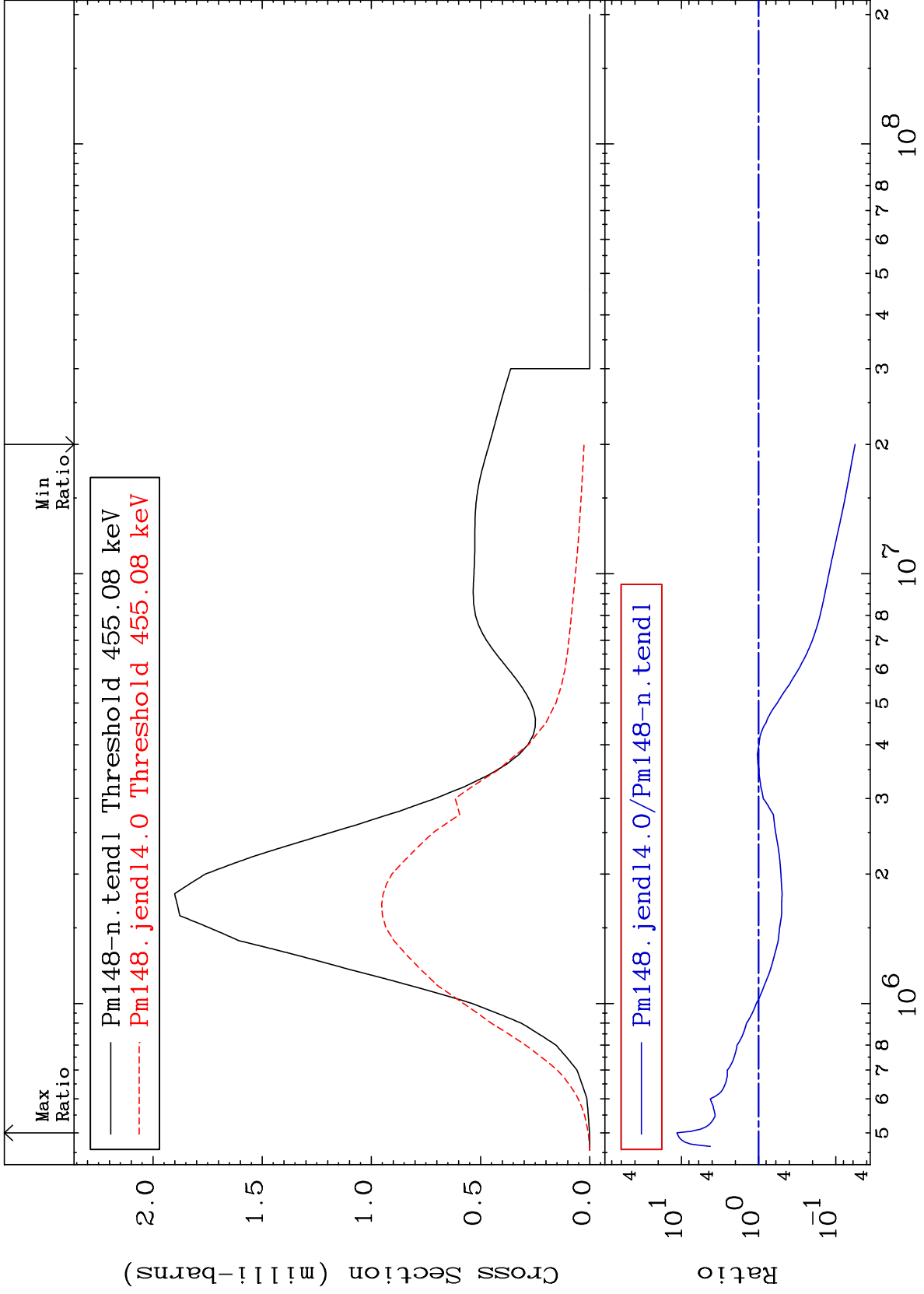




MAT 6152

452.0 keV (n,n') Level
Cross Section

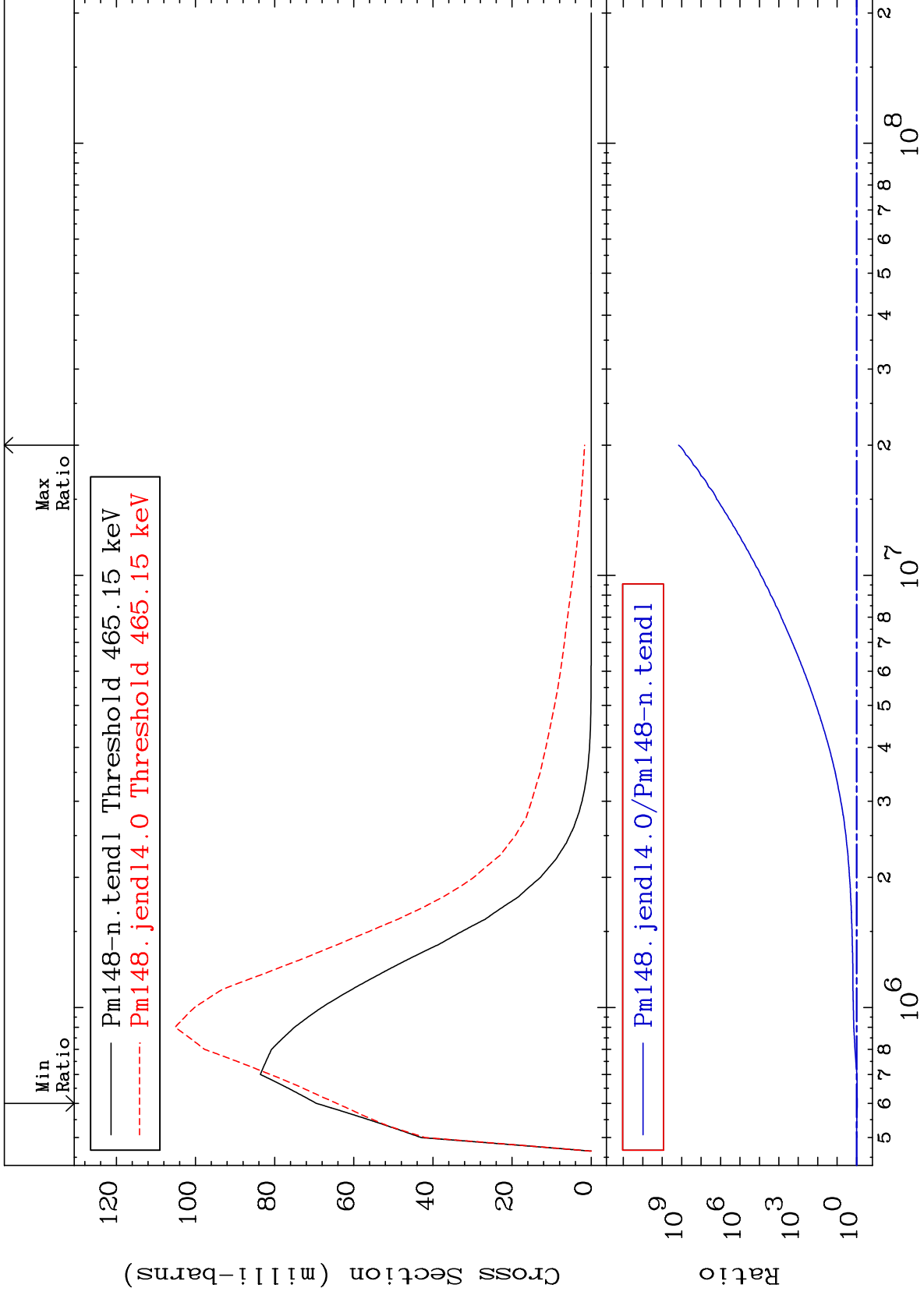
61-Pm-148
-94.36 To 1044. %



MAT 6152

462.0 keV (n,n') Level
Cross Section

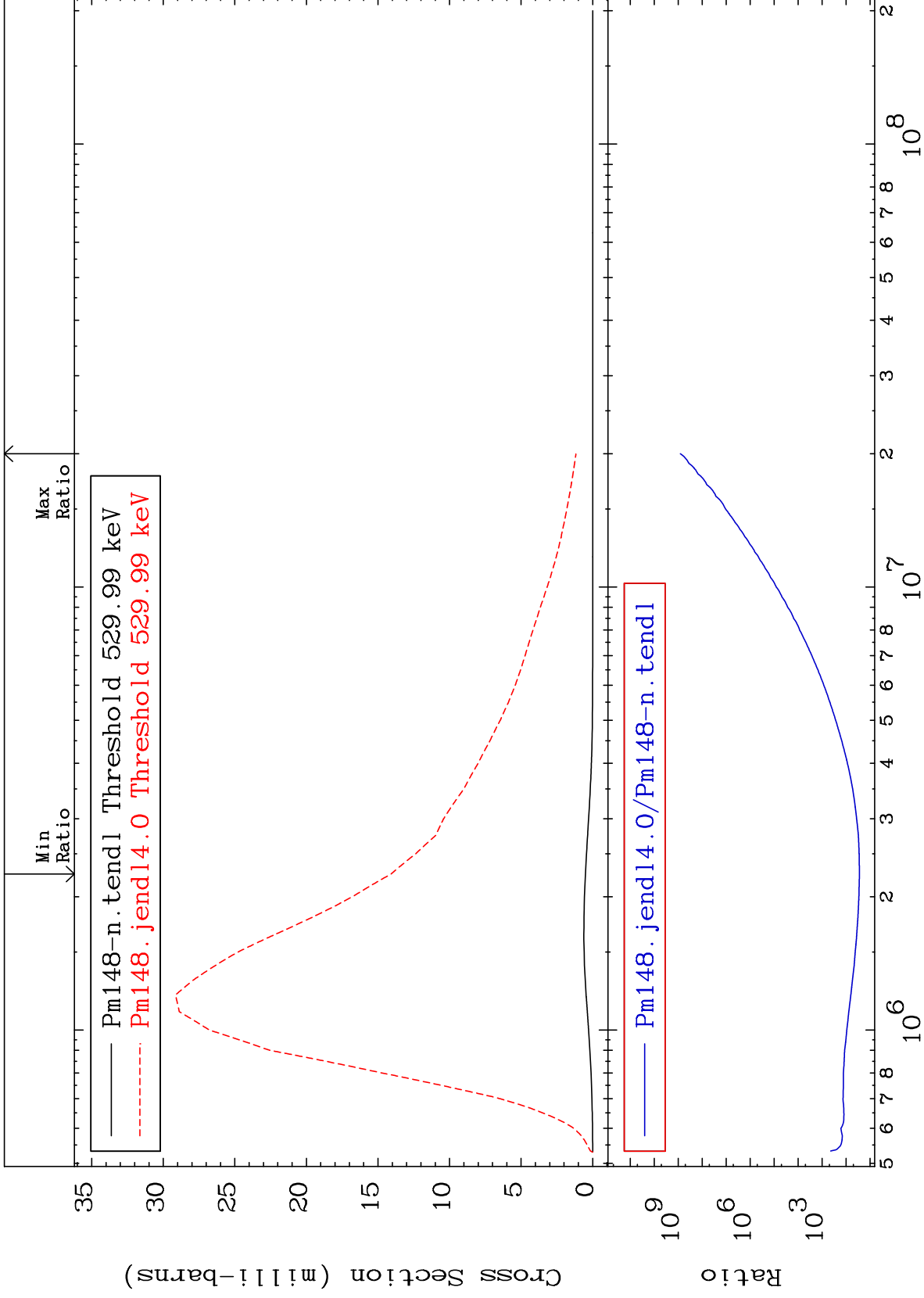
61-Pm-148
-7.420 To 9999. %



MAT 6152

526.4 keV (n,n') Level
Cross Section

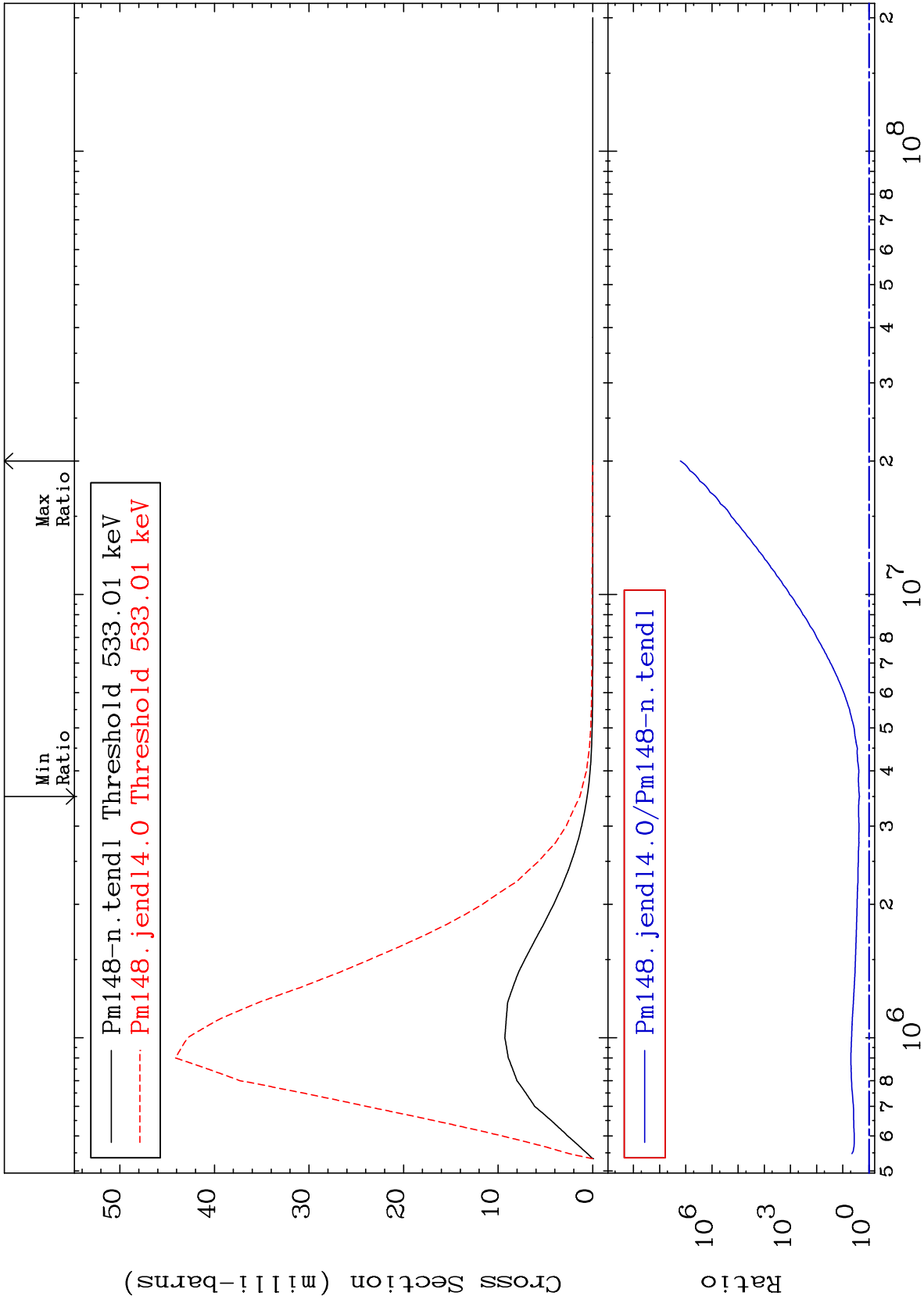
61-Pm-148
2672. To 9999. %



MAT 6152

529.4 keV (n,n') Level
Cross Section

61-Pm-148
130.9 To 9999. %



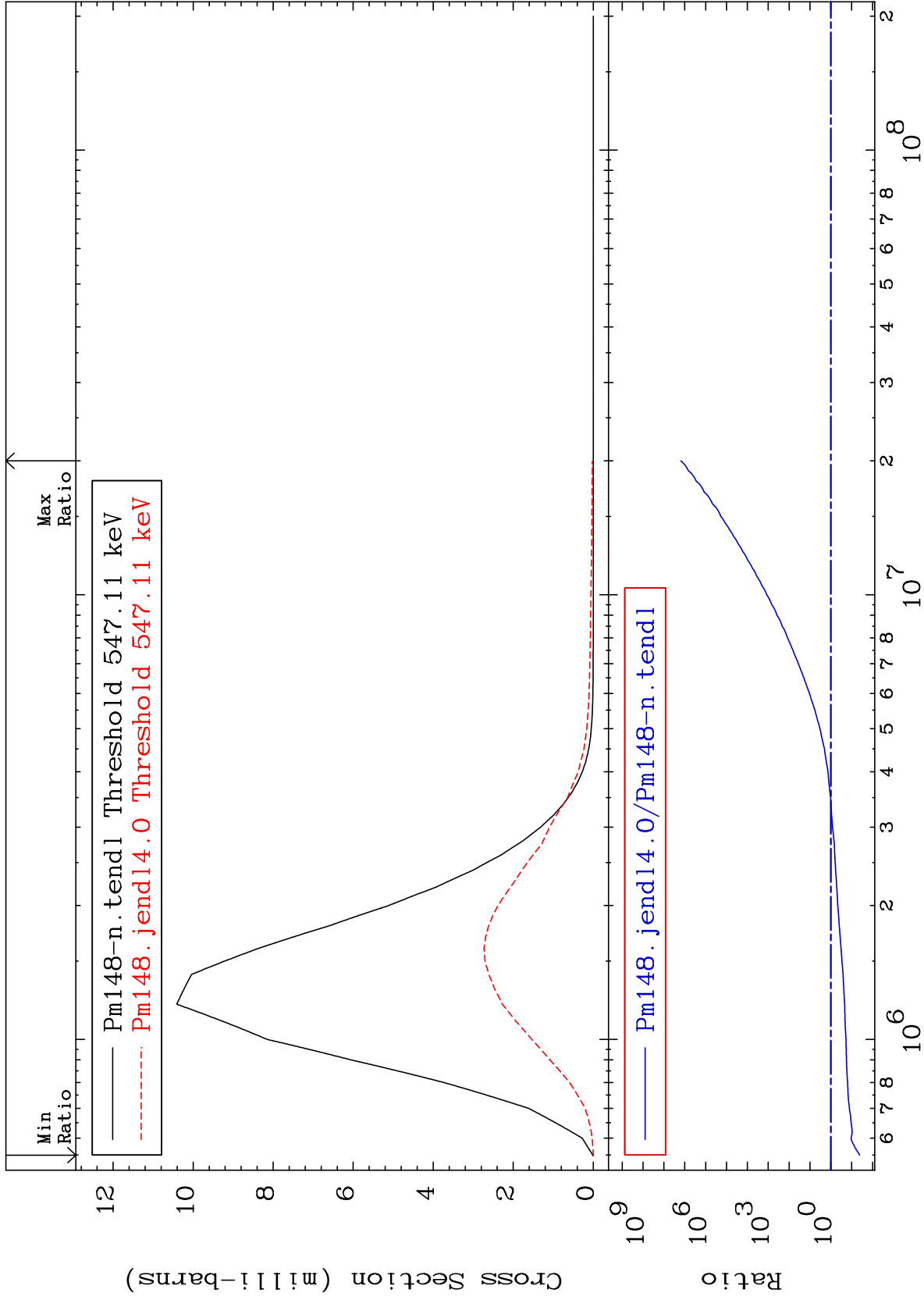
MAT 6152

543.4 keV (n,n') Level

61-Pm-148

-95.78 To 9999. %

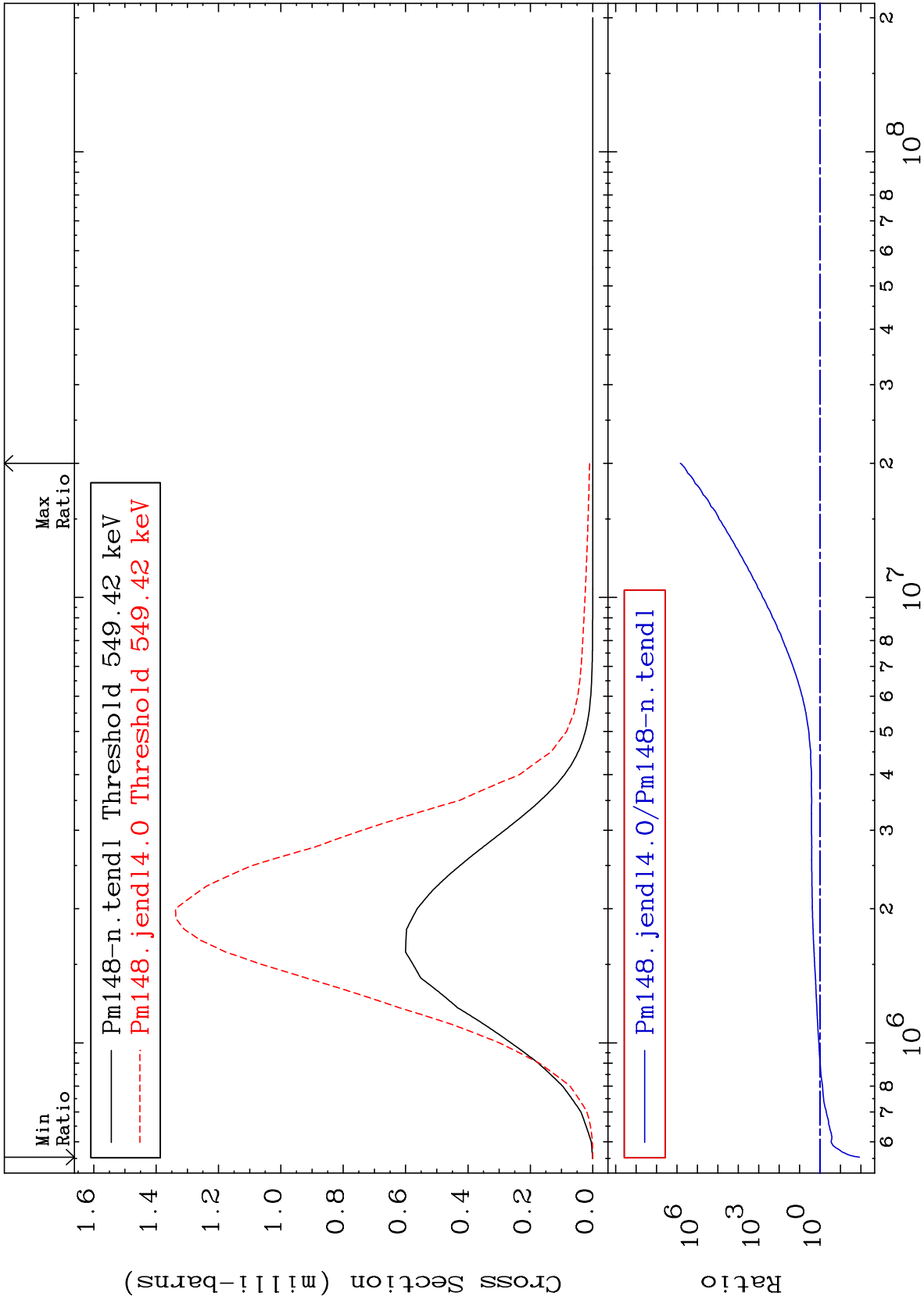
Cross Section



MAT 6152

545.7 keV (n,n') Level
Cross Section

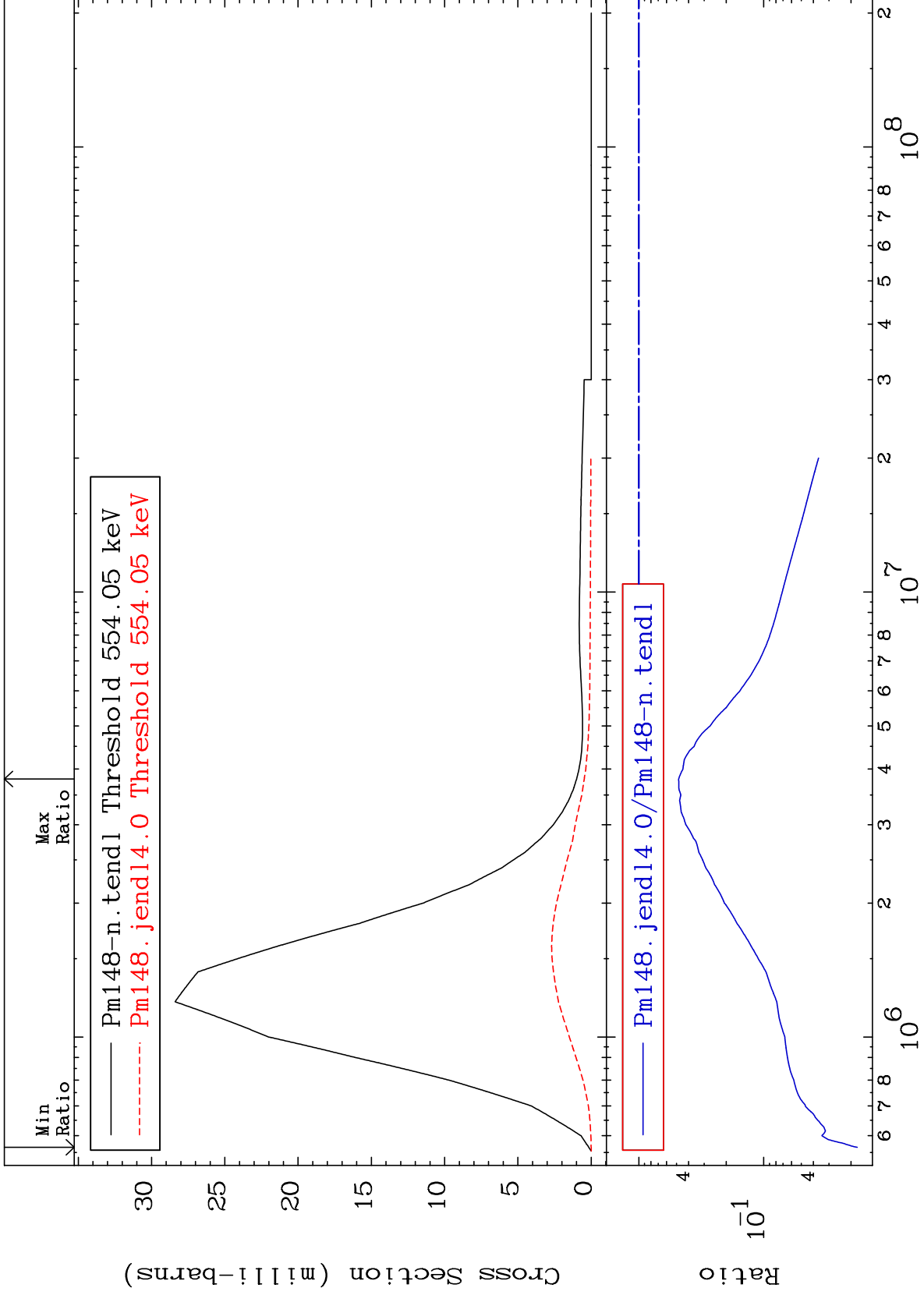
61-Pm-148
-98.82 To 9999. %



MAT 6152

550.3 keV (n,n') Level
Cross Section

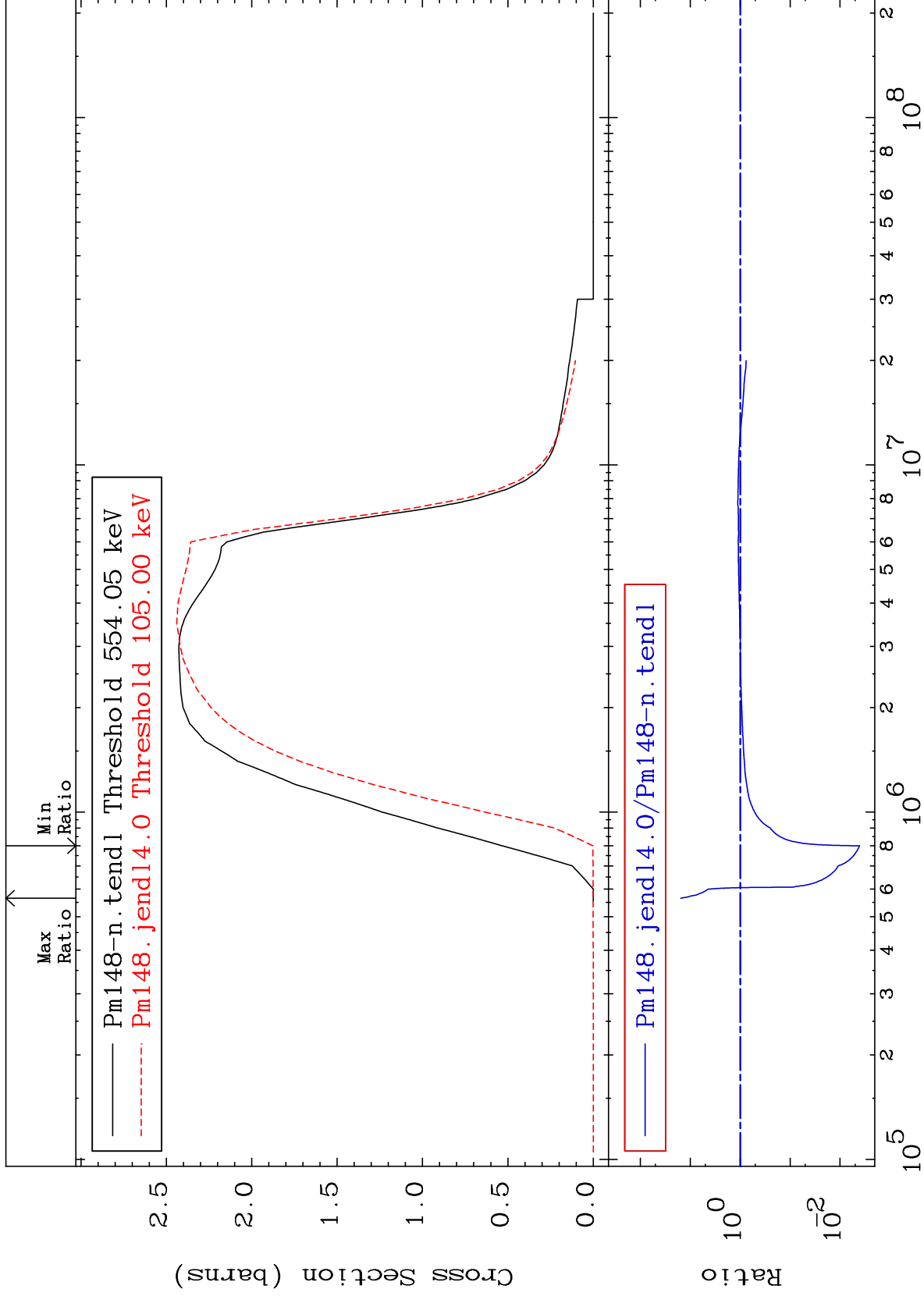
61-Pm-148
-98.22 To -52.00%



MAT 6152

(n, n') Continuum
Cross Section

61-Pm-148
-99.59 To 1447. %



35

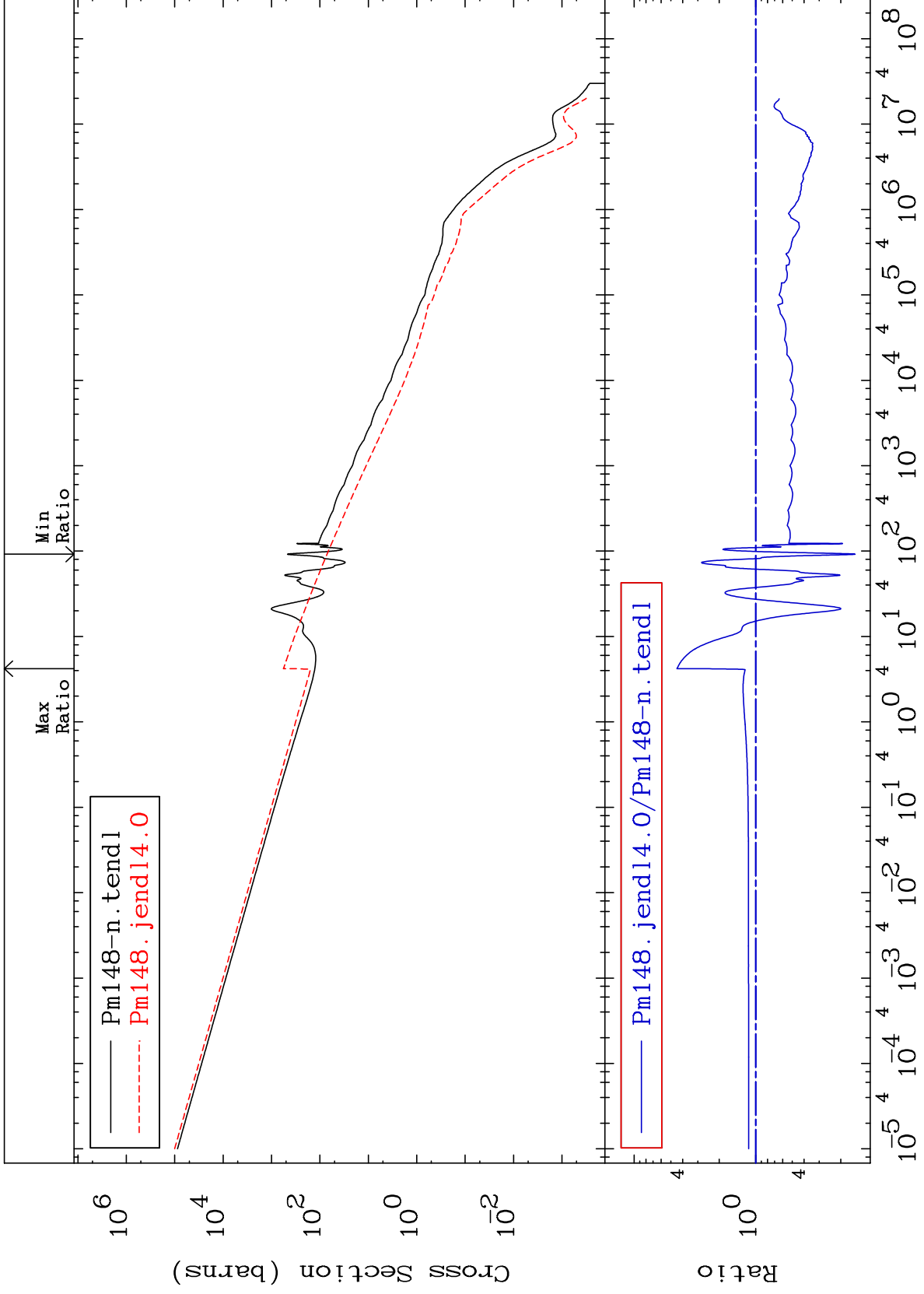
61-Pm-148

61-Pm-148

MAT 6152

61-Pm-148
-84.78 To 345.4 %

(n, γ)
Cross Section



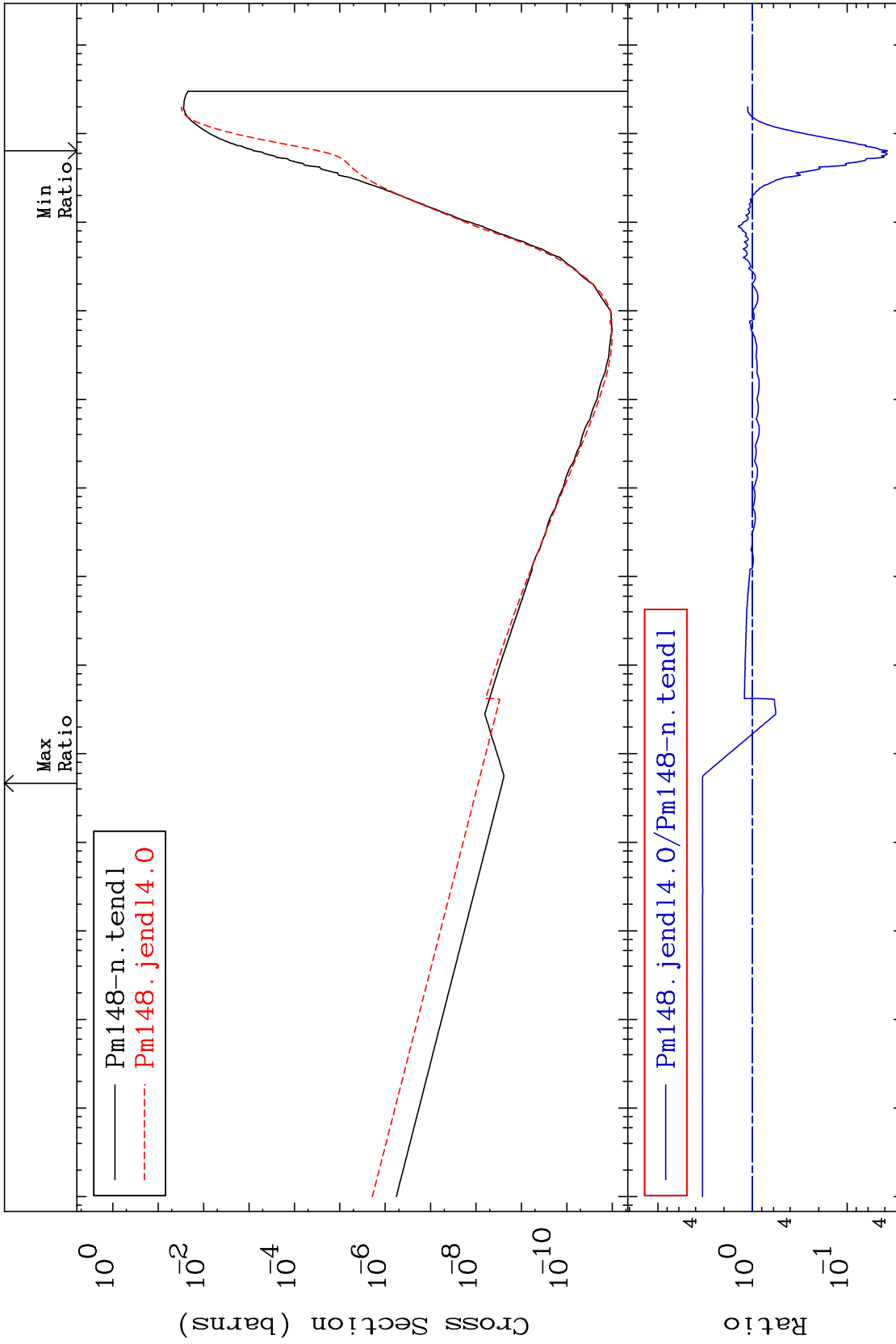
MAT 6152

(n,p)

61-Pm-148

Cross Section

-96.25 To 237.5 %



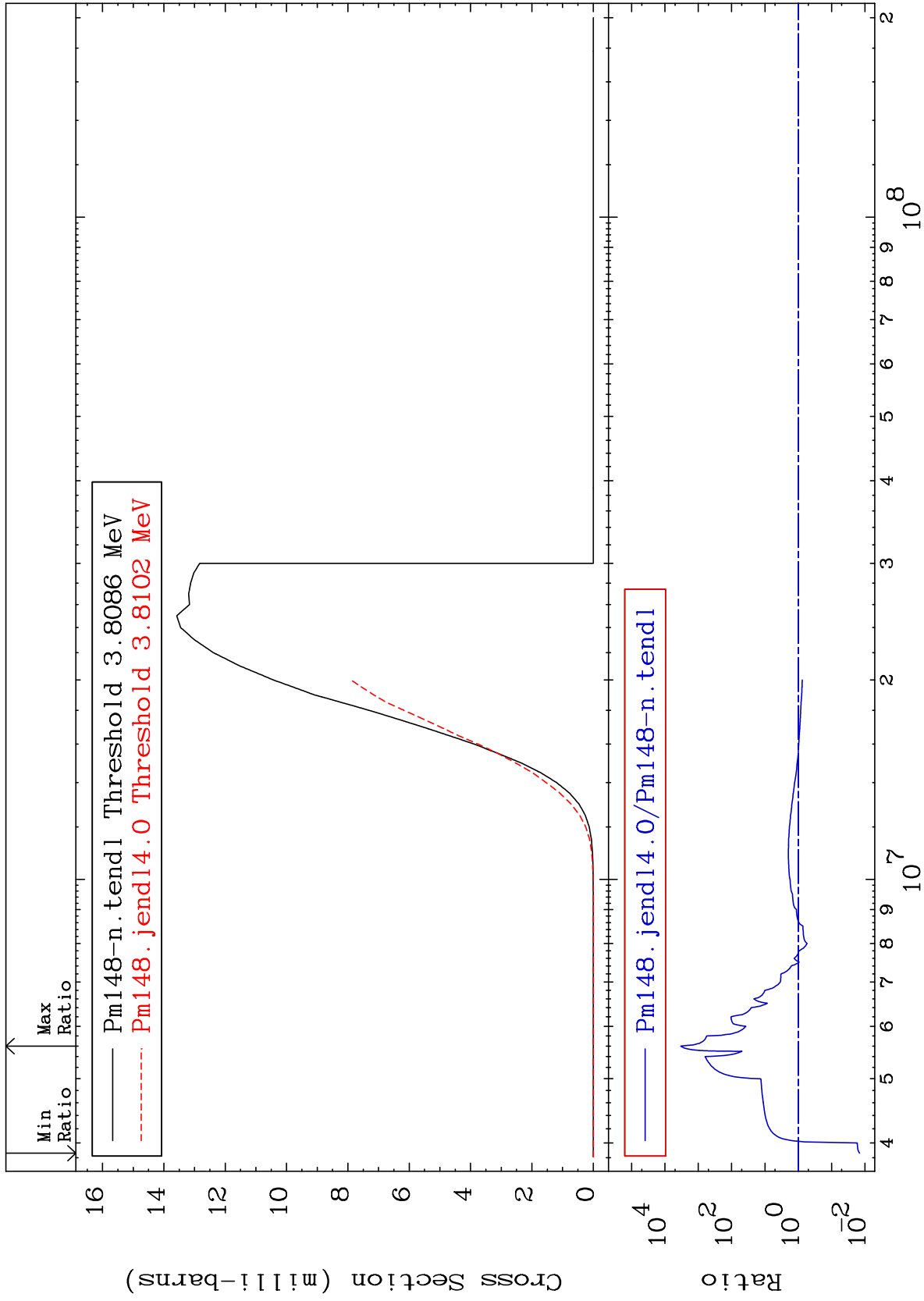
MAT 6152

(n, d)

61-Pm-148

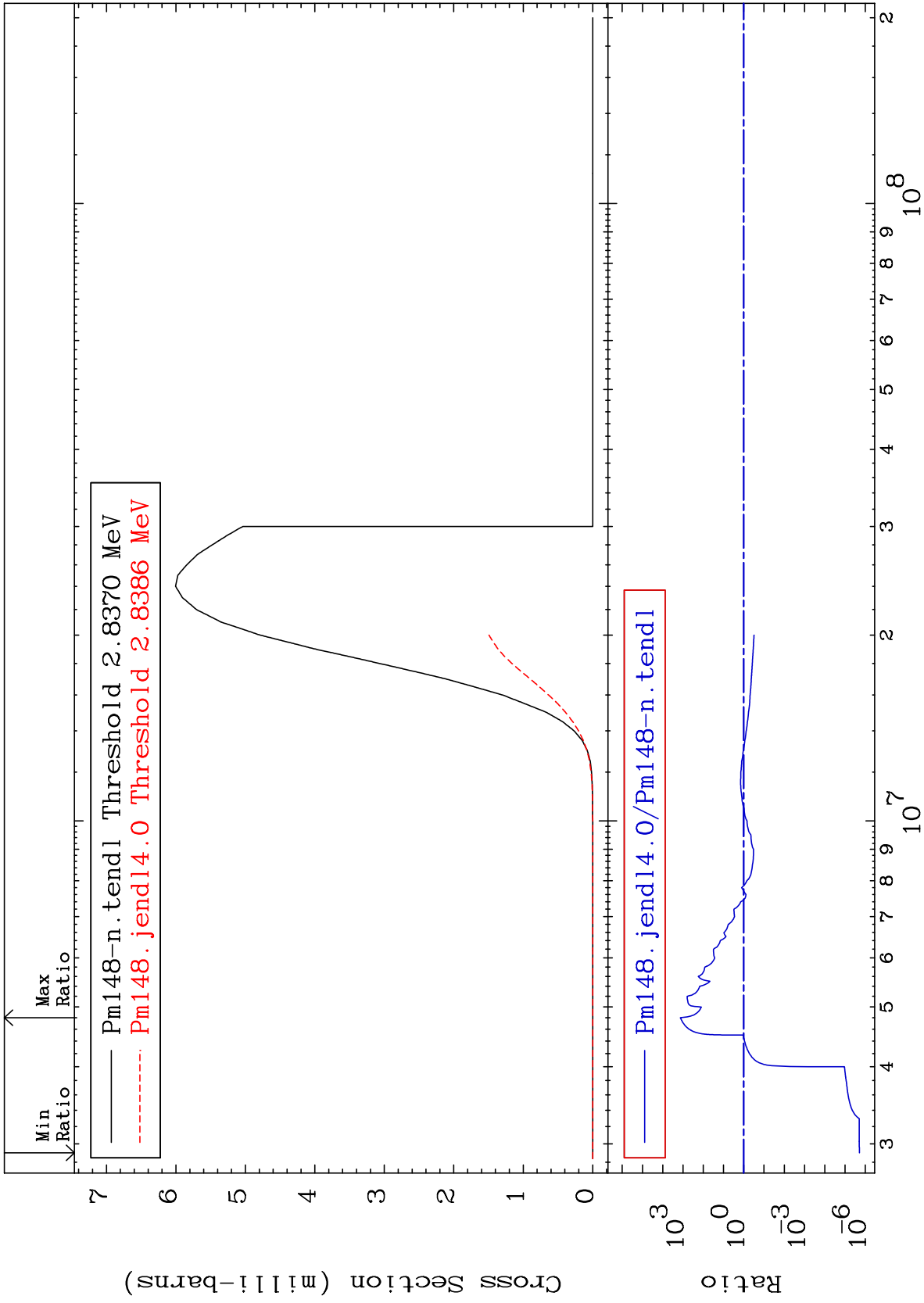
Cross Section

-98.56 To 9999. %



MAT 6152

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



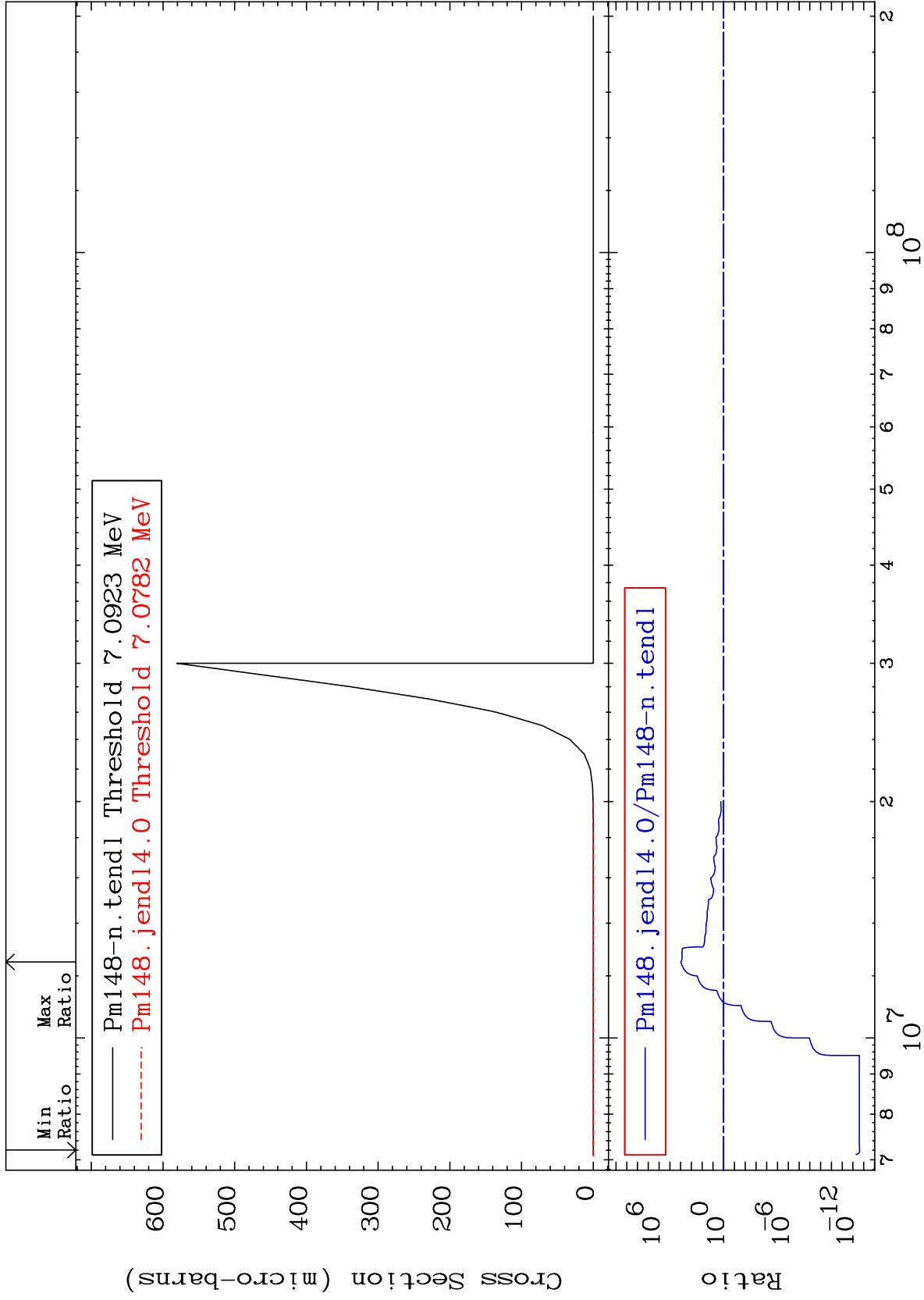
MAT 6152

(n, He-3)

61-Pm-148

Cross Section

-100.0 To 9999. %



40

Incident Energy (eV)

61-Pm-148

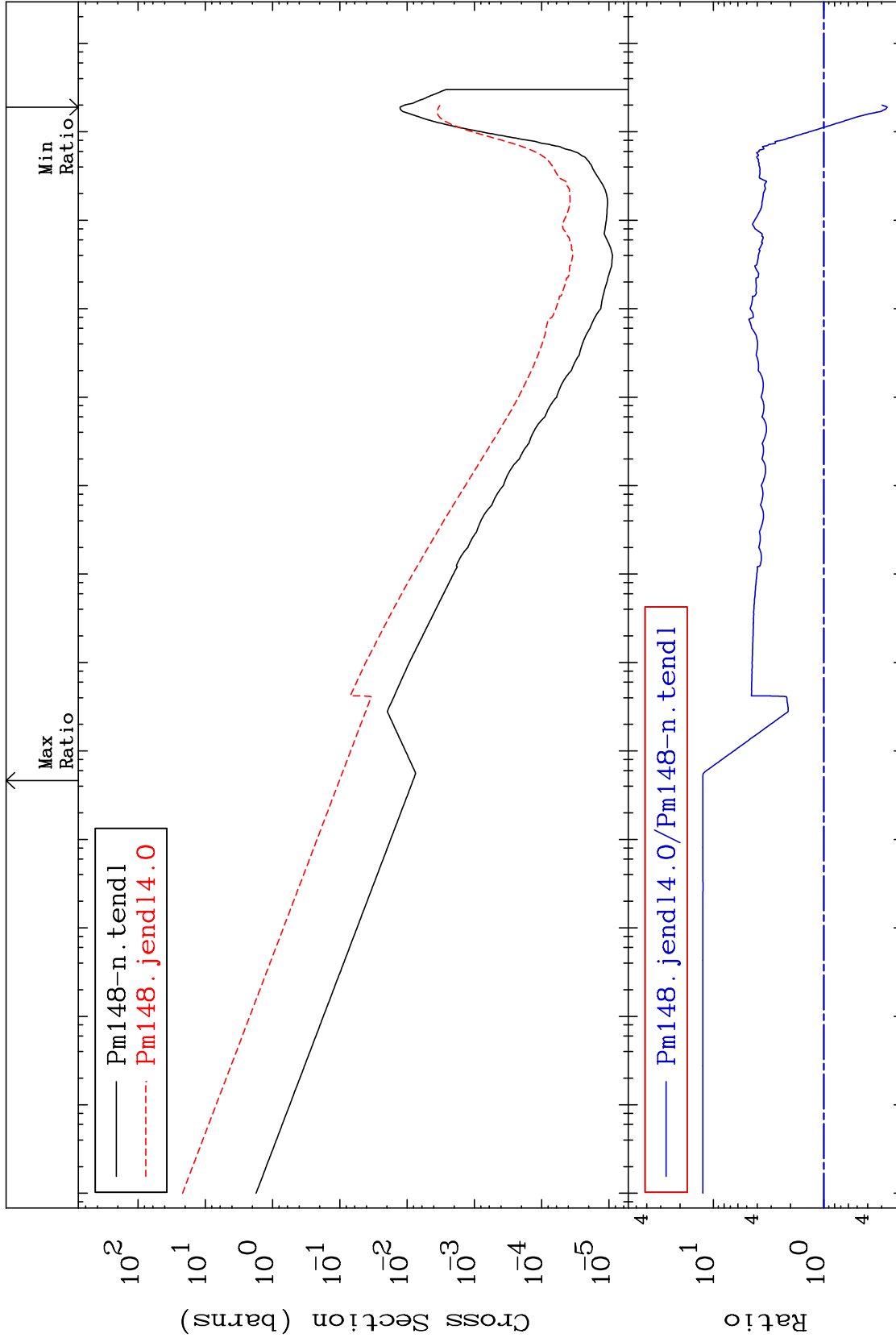
MAT 6152

(n, α)

61-Pm-148

Cross Section

-73.47 To 1143. %



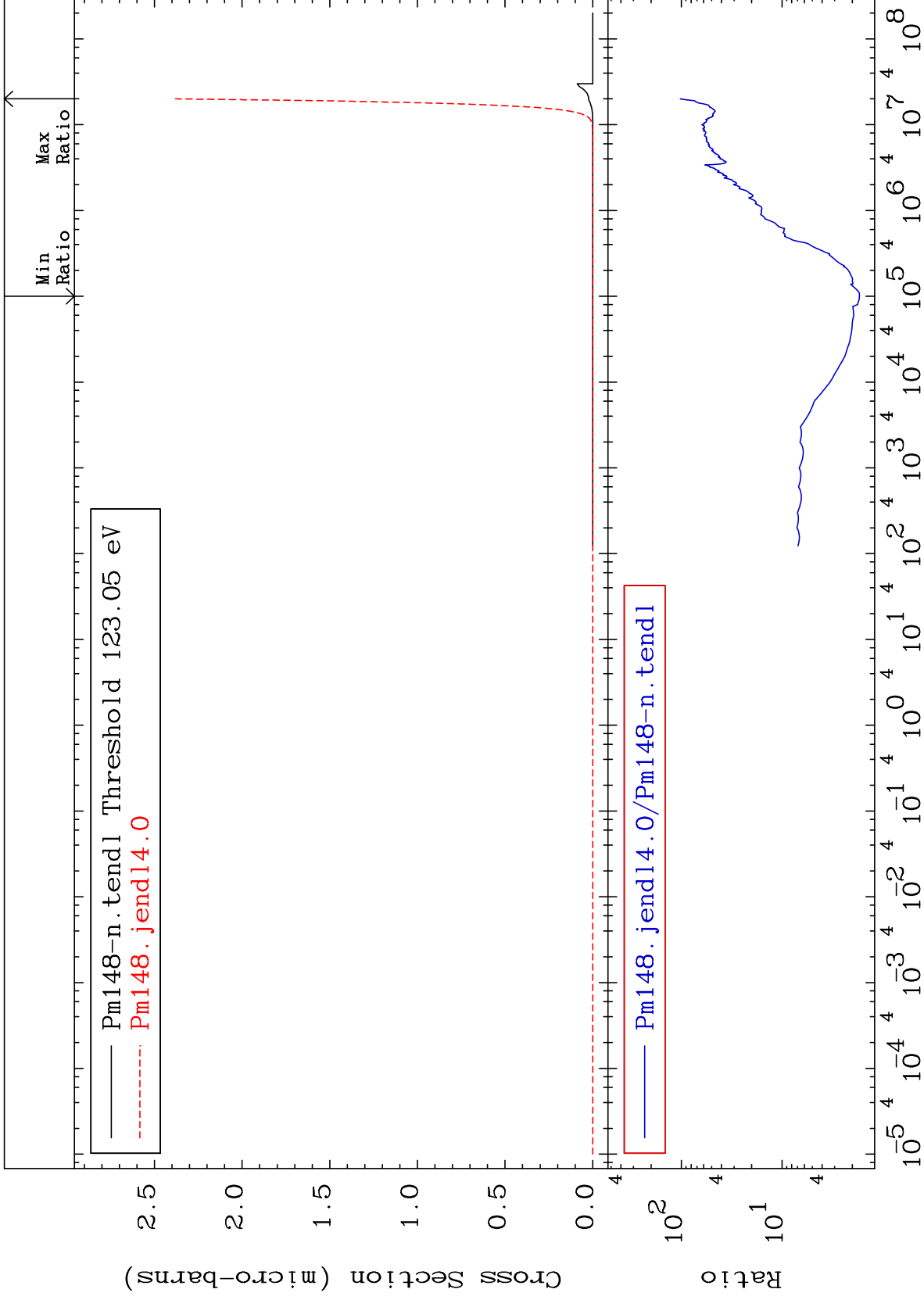
MAT 6152

(n,2α)

Cross Section

61-Pm-148

69.96 To 9999. %



Incident Energy (eV)

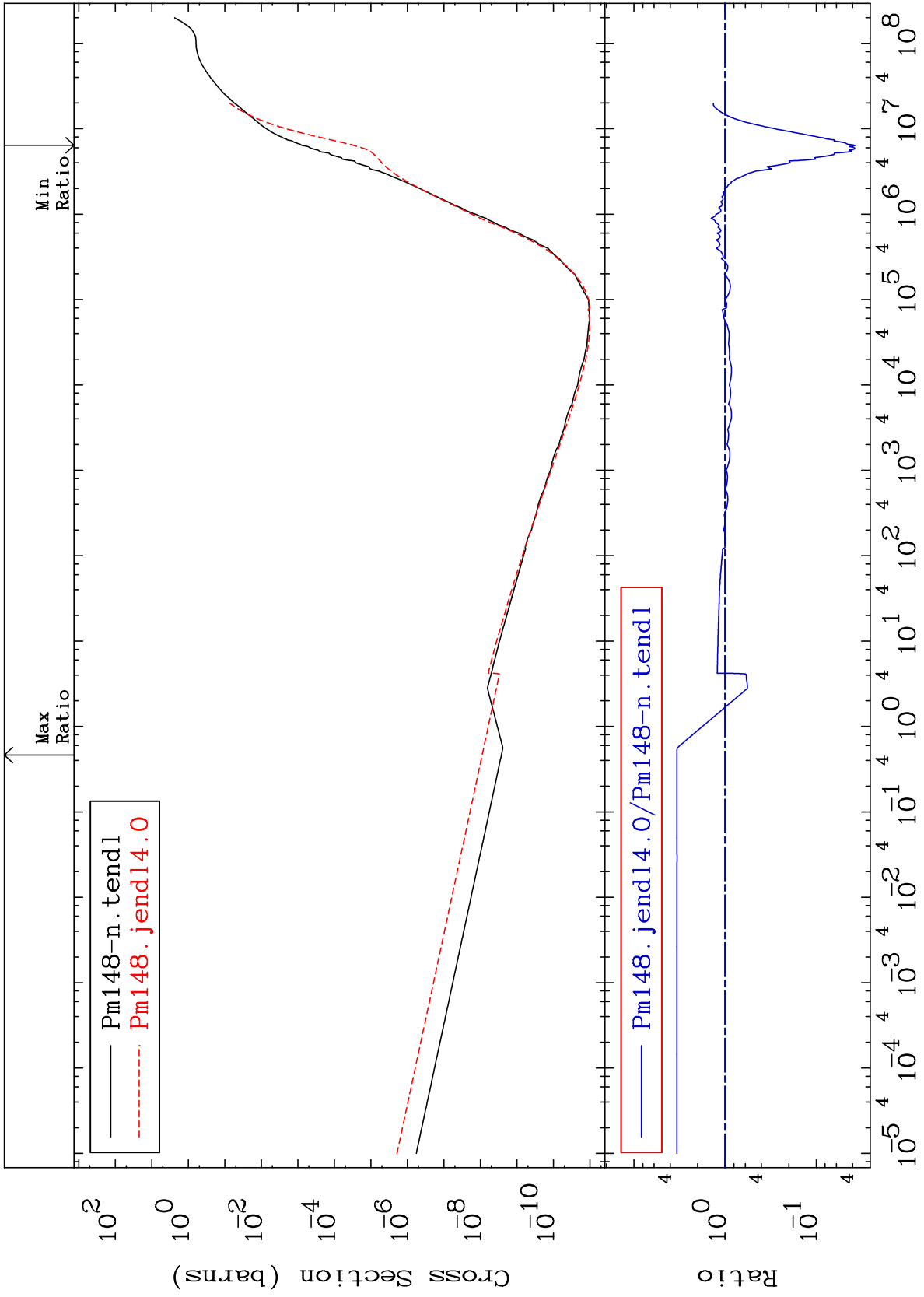
61-Pm-148

42

MAT 6152

Hydrogen Production
Cross Section

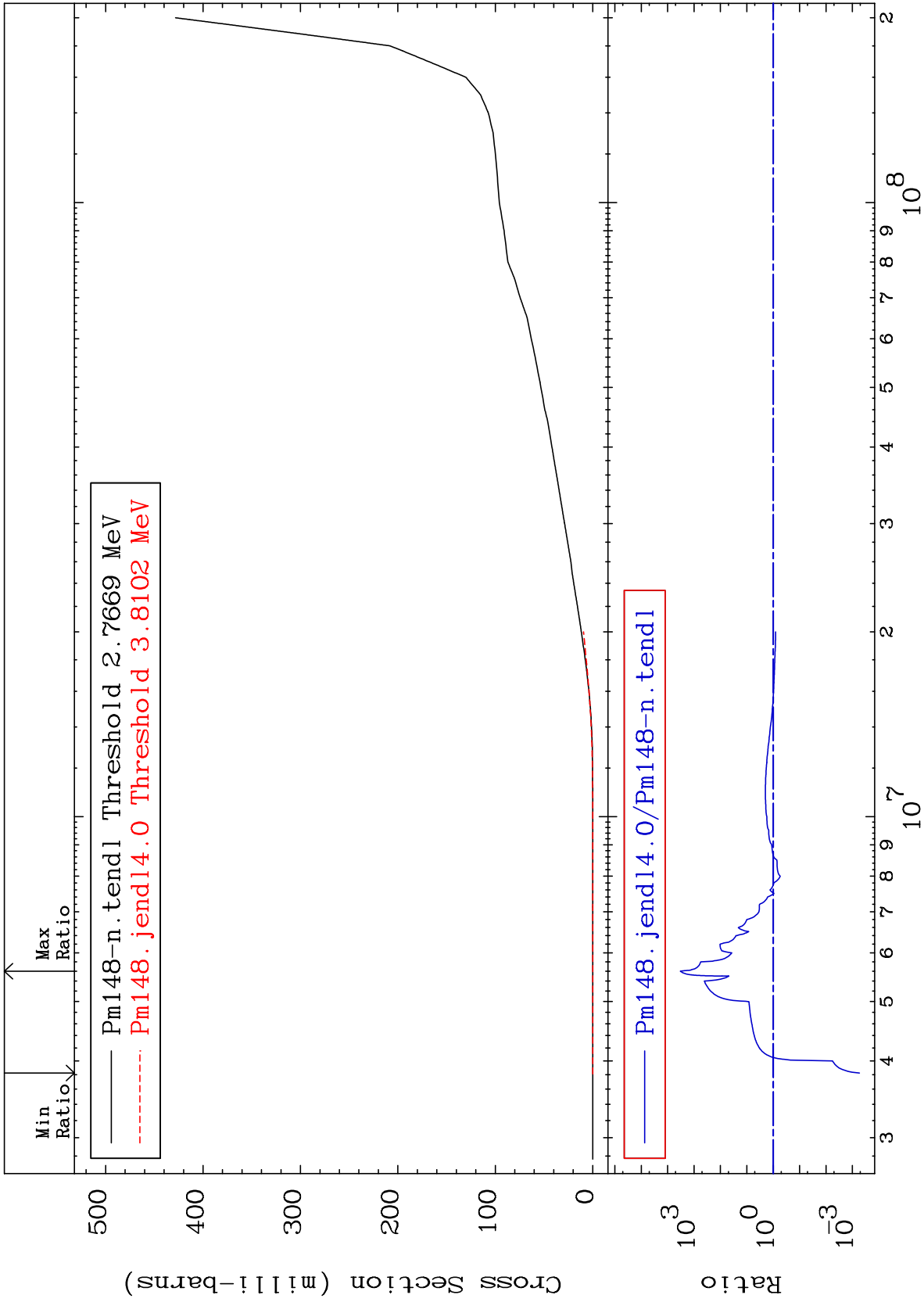
61-Pm-148
-96.25 To 237.5 %



43

Incident Energy (eV)

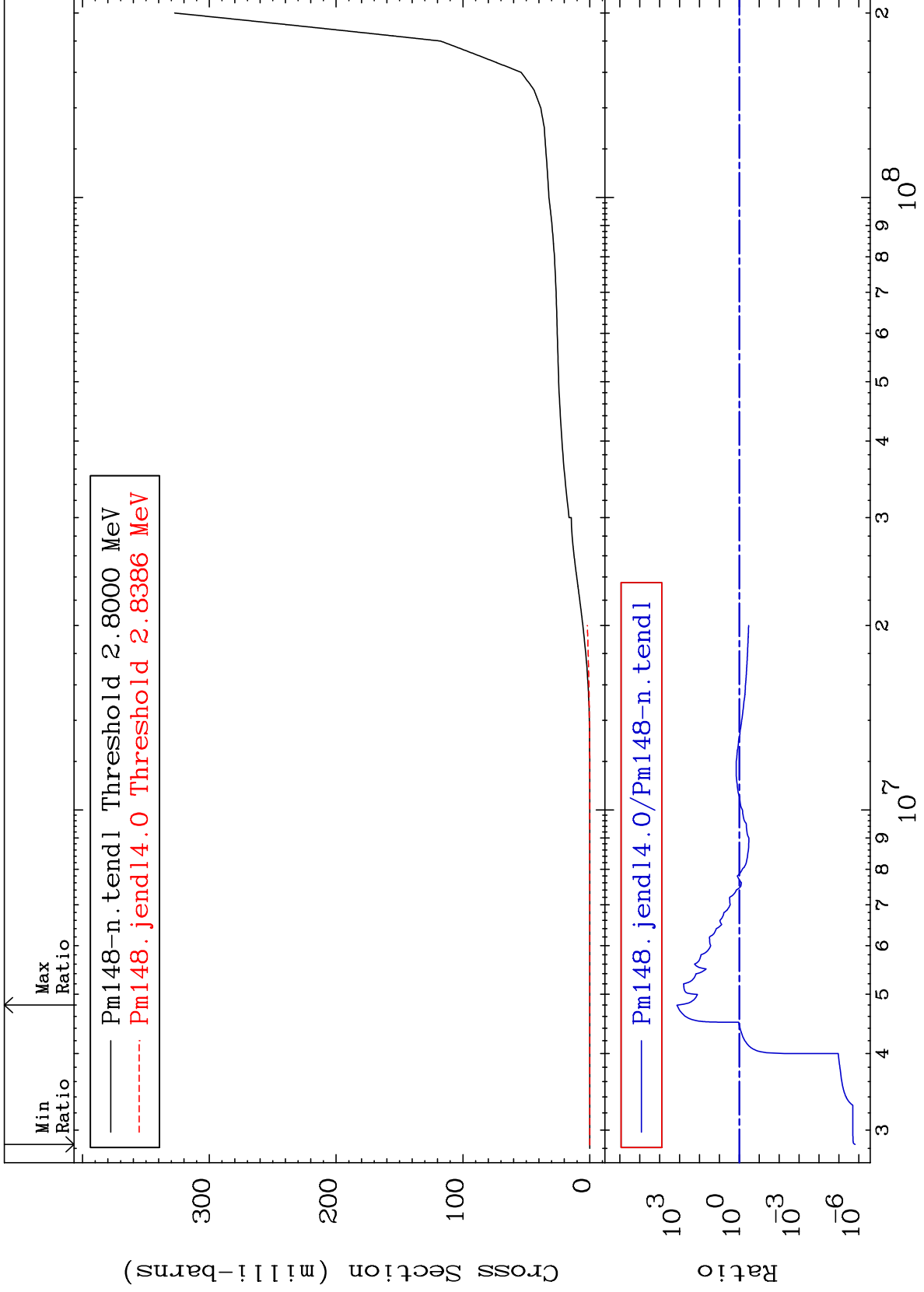
61-Pm-148



MAT 6152

Tritium Production
Cross Section

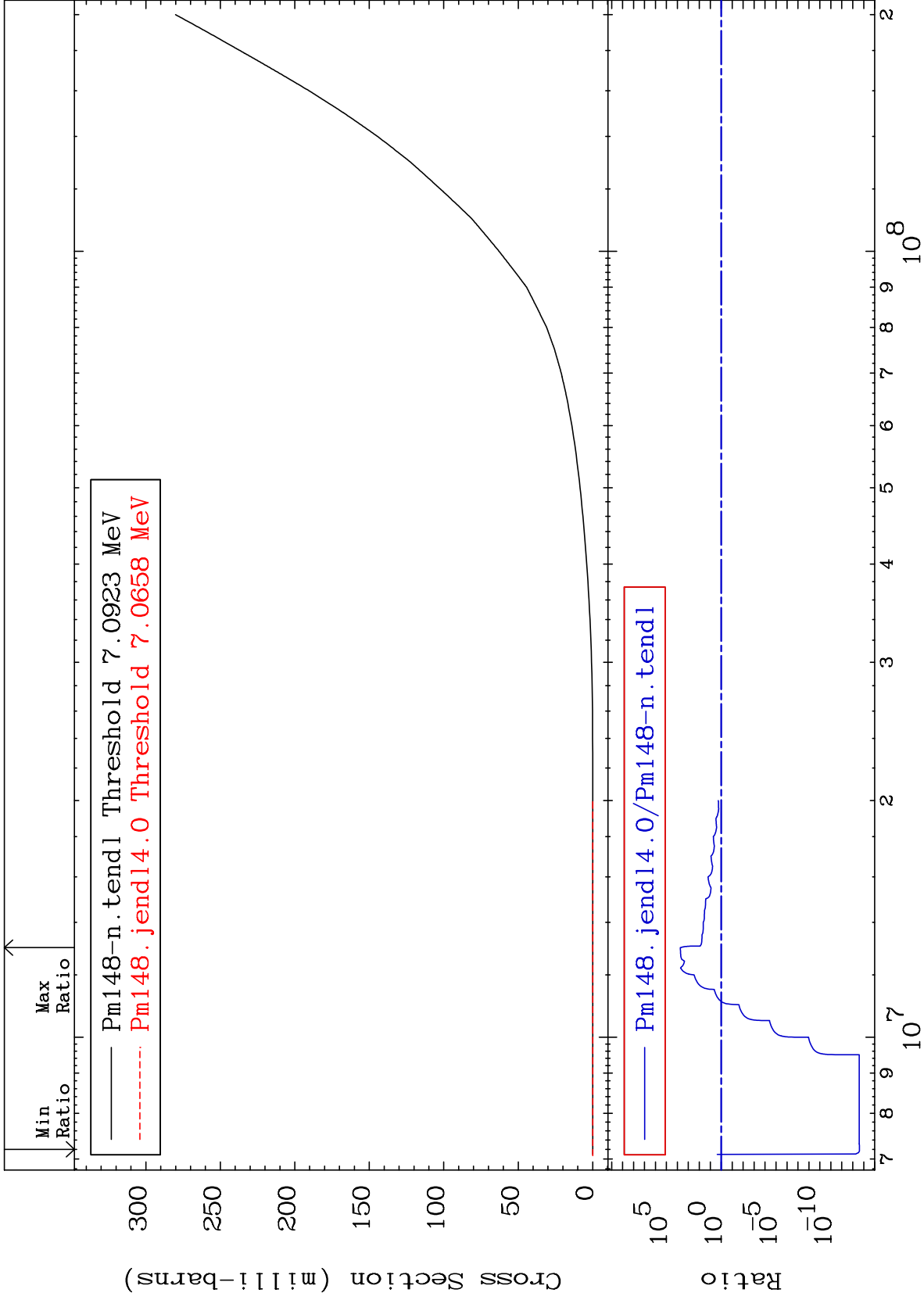
61-Pm-148
-100.0 To 9999. %



45

Incident Energy (eV)

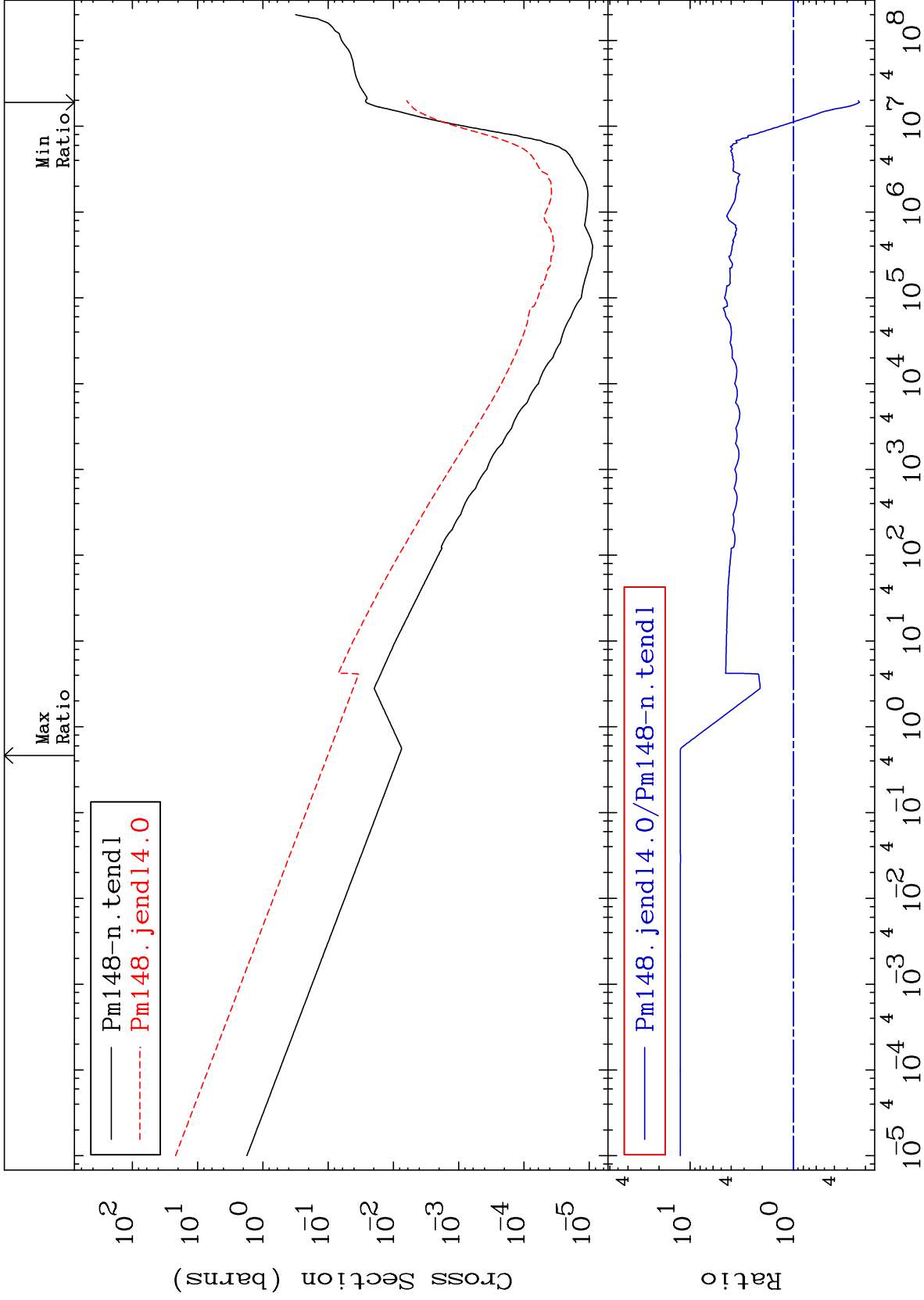
61-Pm-148



MAT 6152

He-4 Production
Cross Section

61-Pm-148
-77.16 To 1143. %



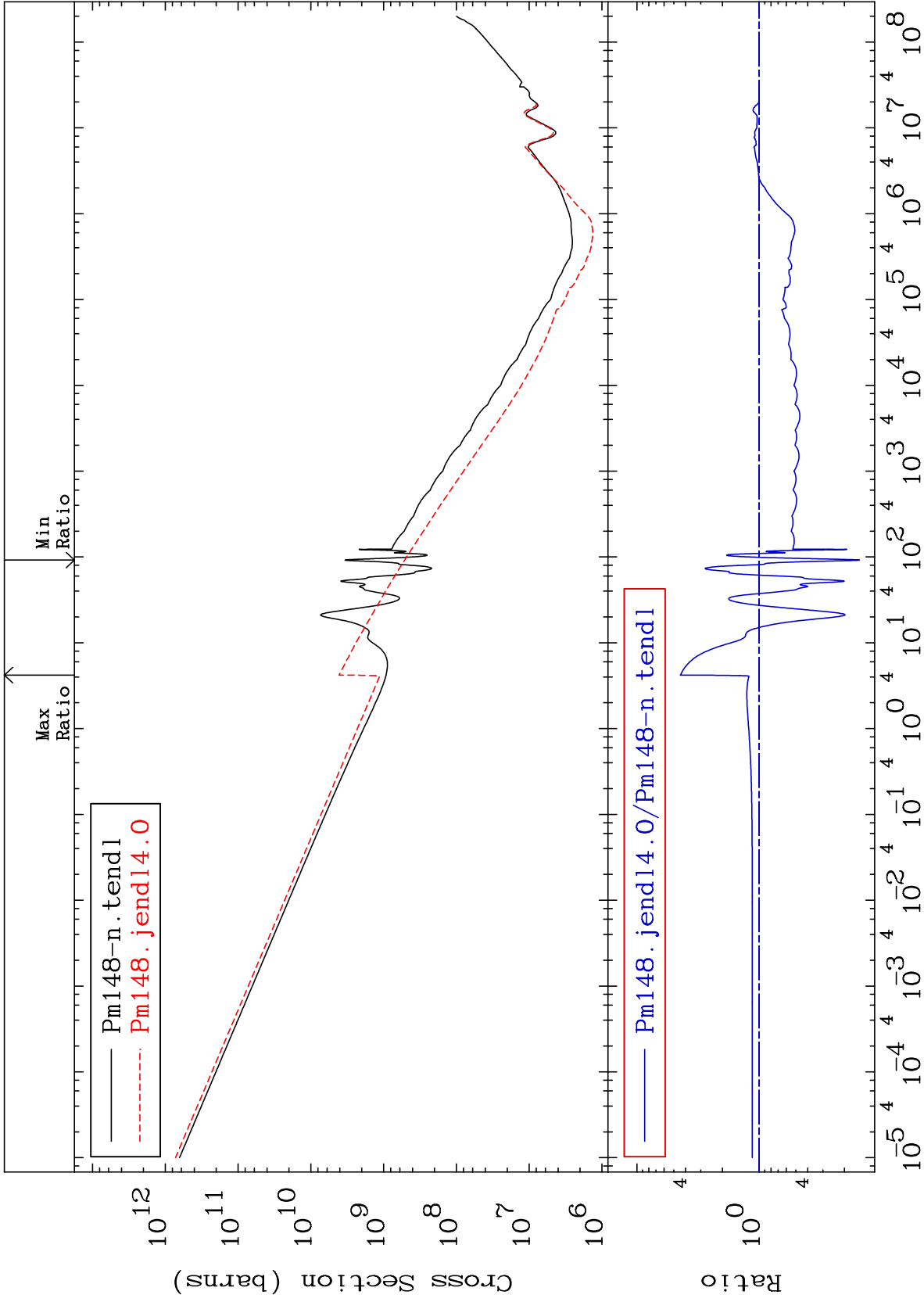
MAT 6152

Kerma total (eV-barns)

61-Pm-148

Cross Section

-84.91 To 341.5 %



48

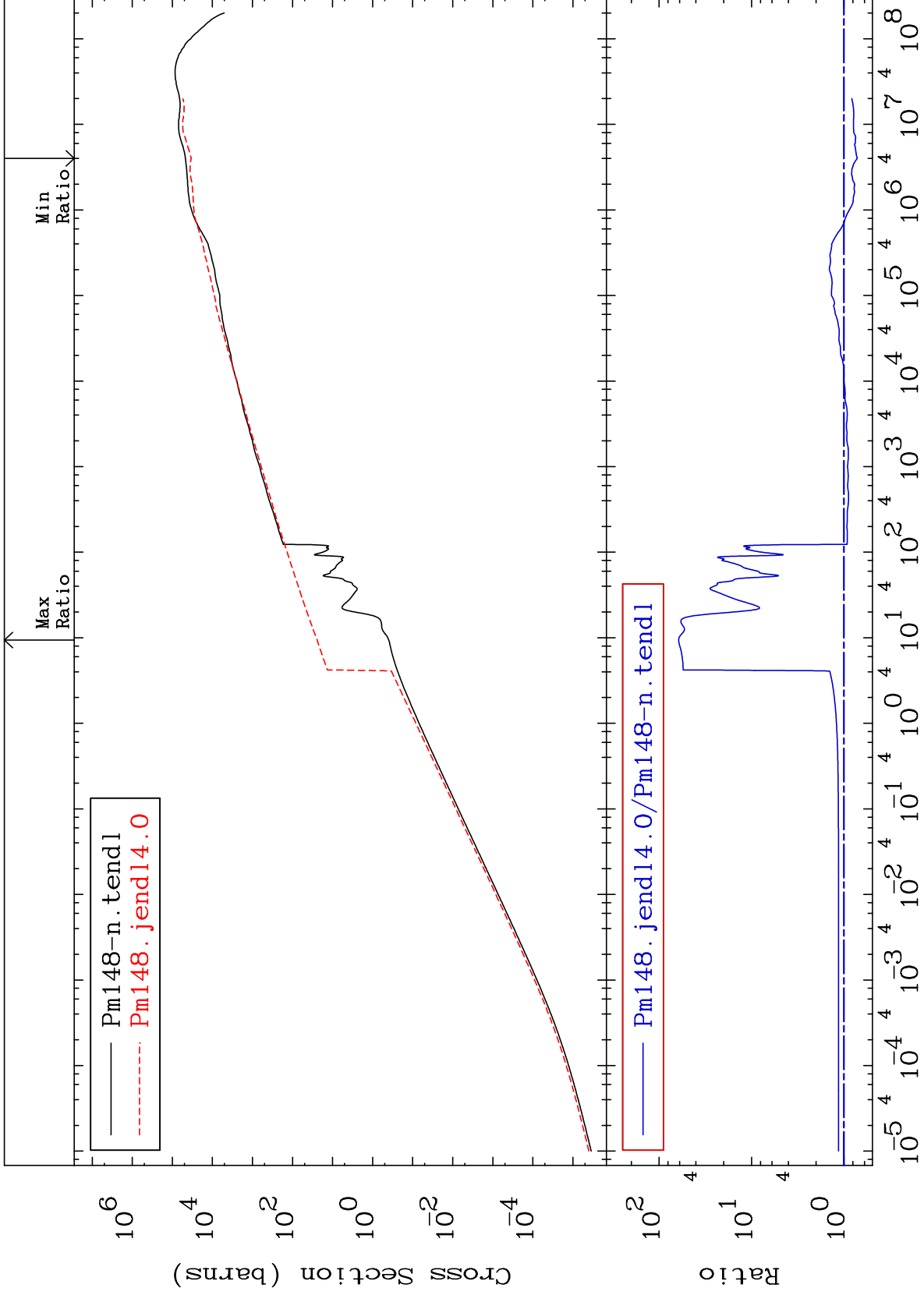
Incident Energy (eV)

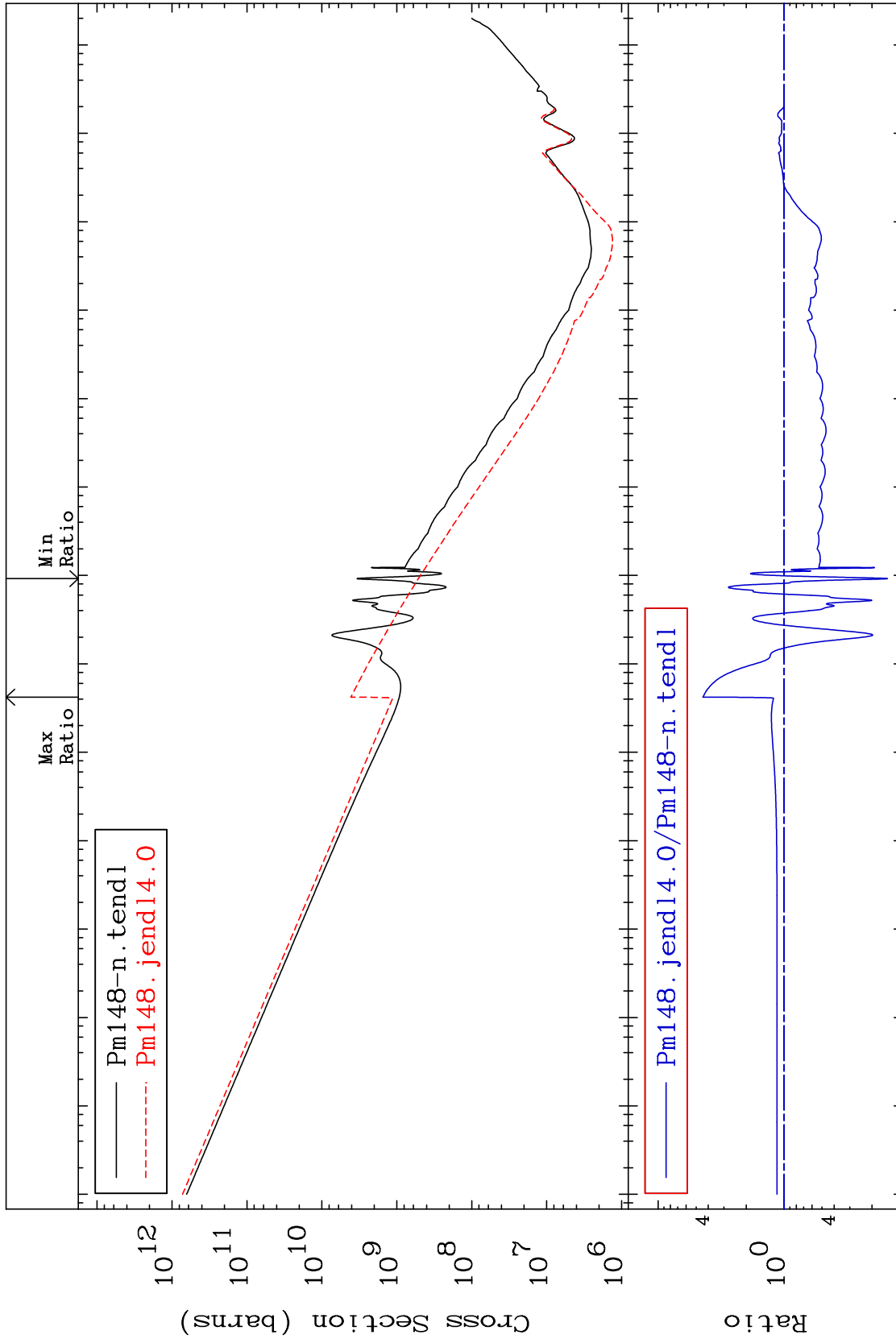
61-Pm-148

MAT 6152

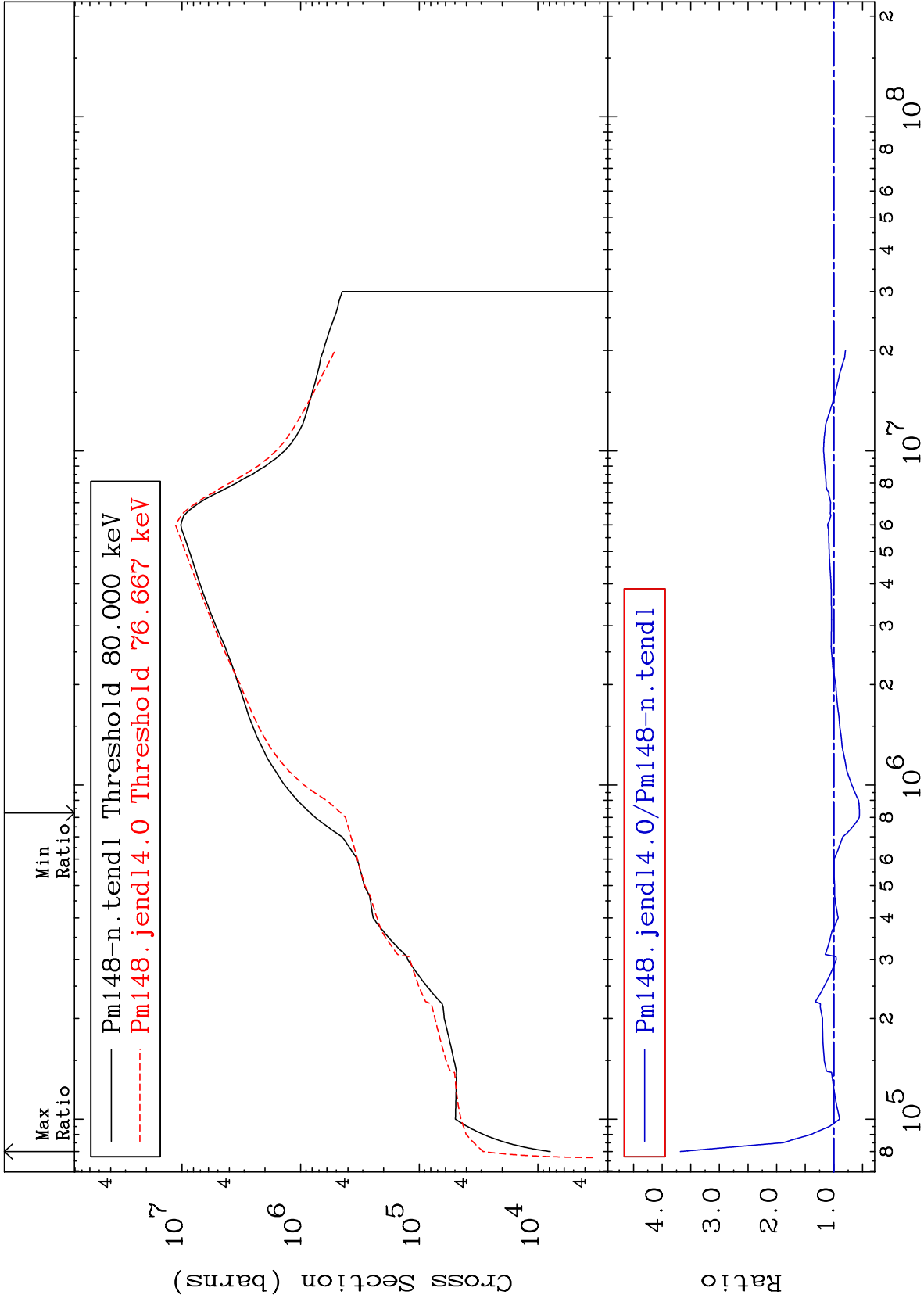
Kerma elastic
Cross Section

61-Pm-148
-28.18 To 6047. %





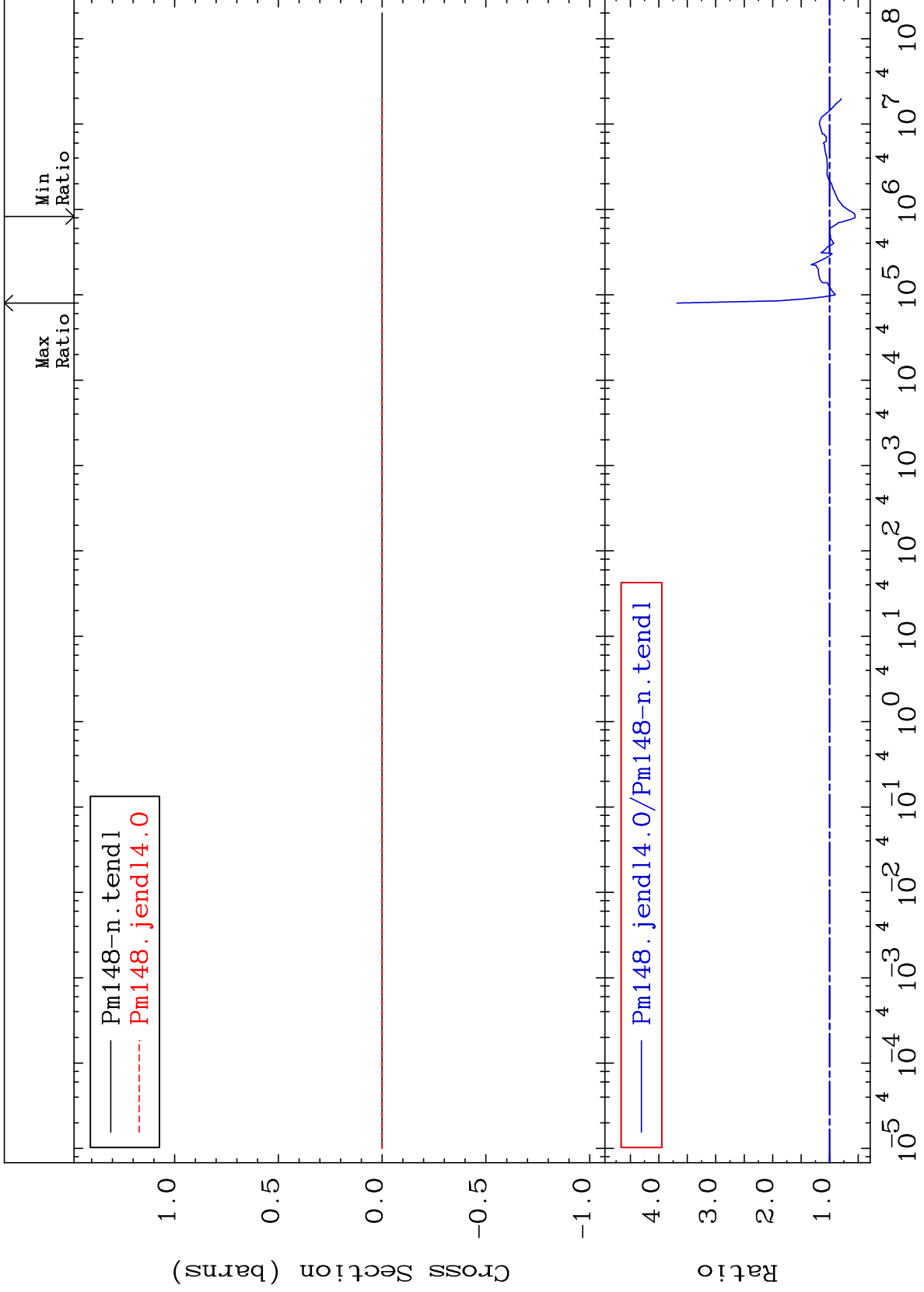
Incident Energy (eV)



MAT 6152

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

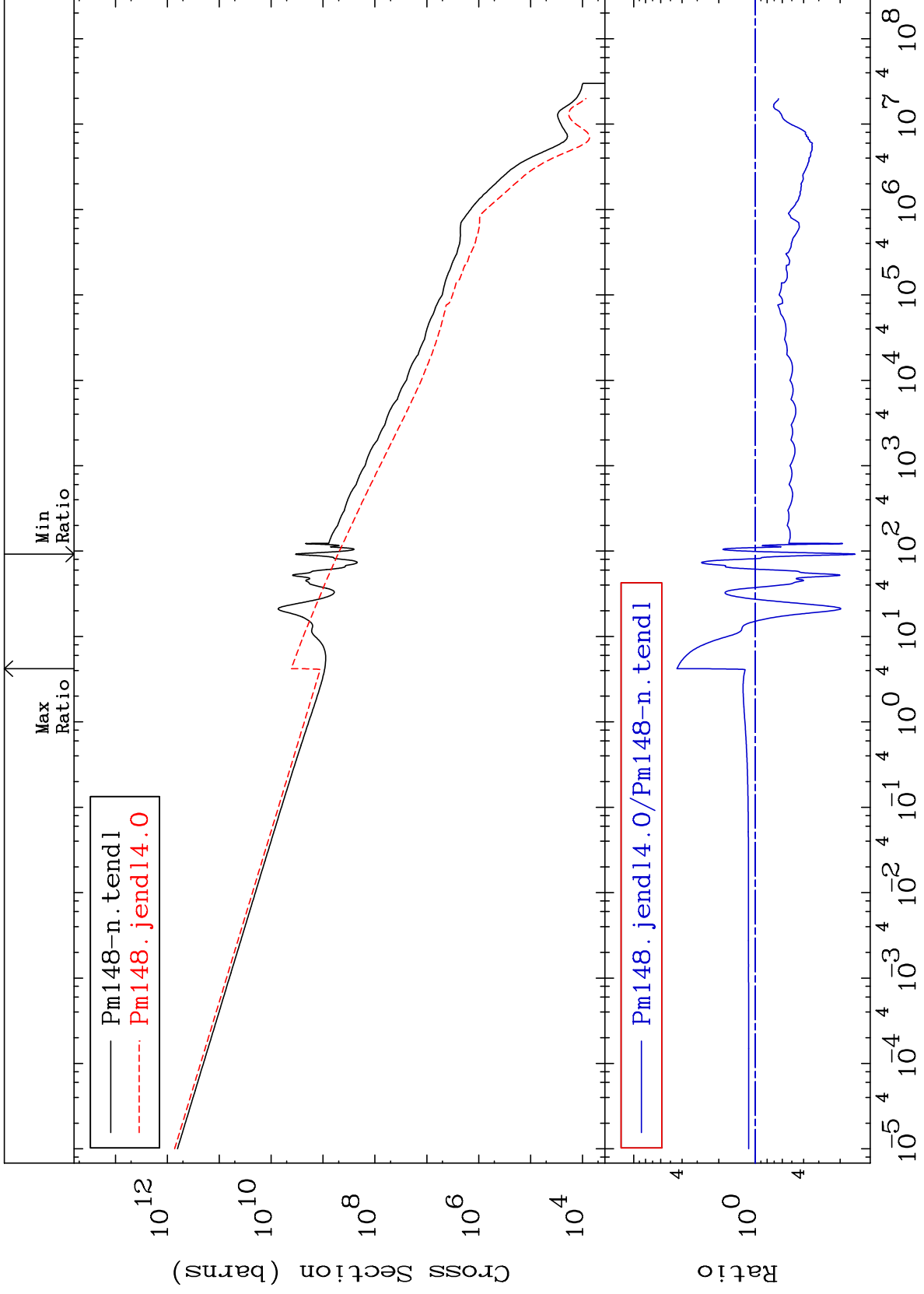
61-Pm-148
-44.69 To 268.2 %

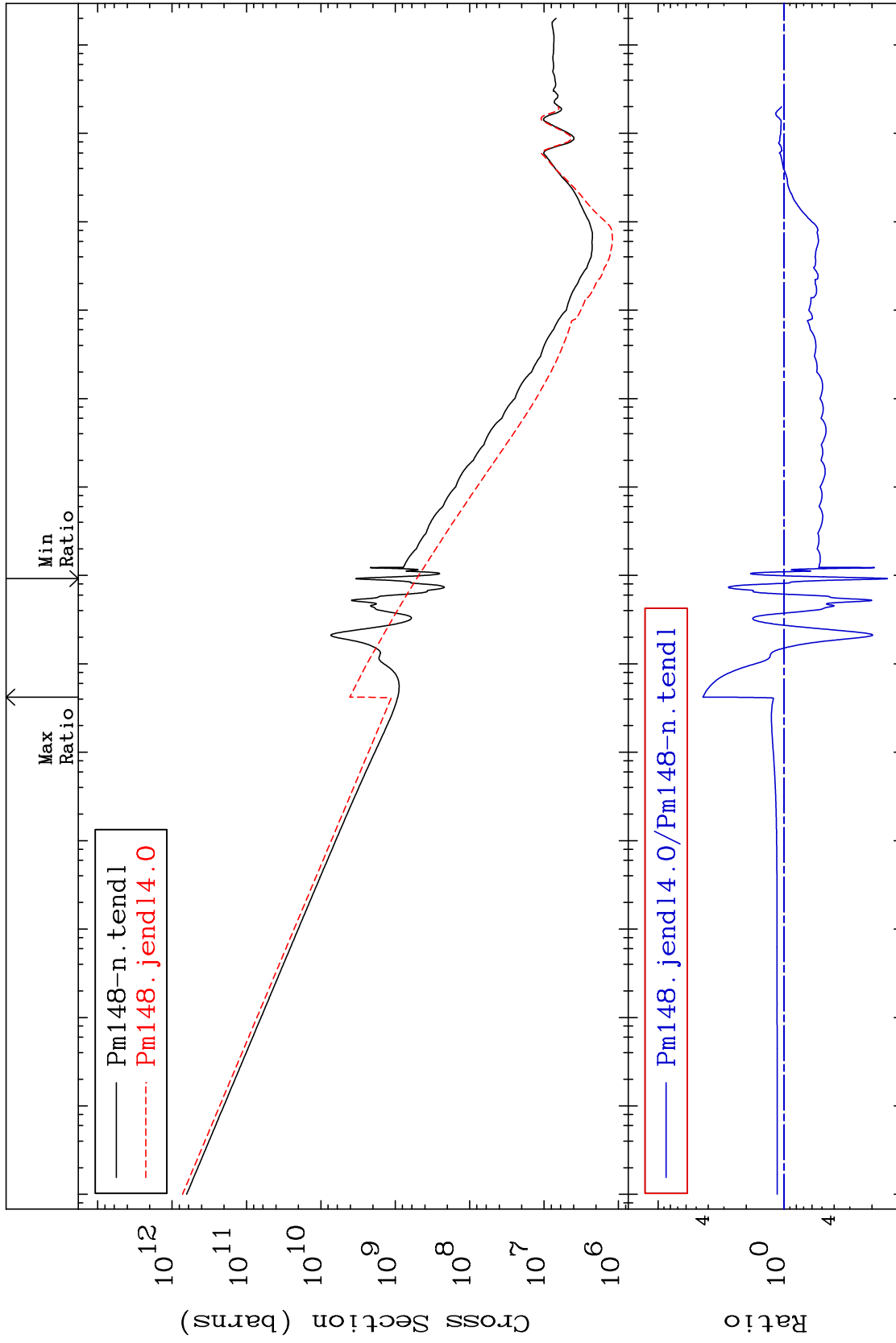


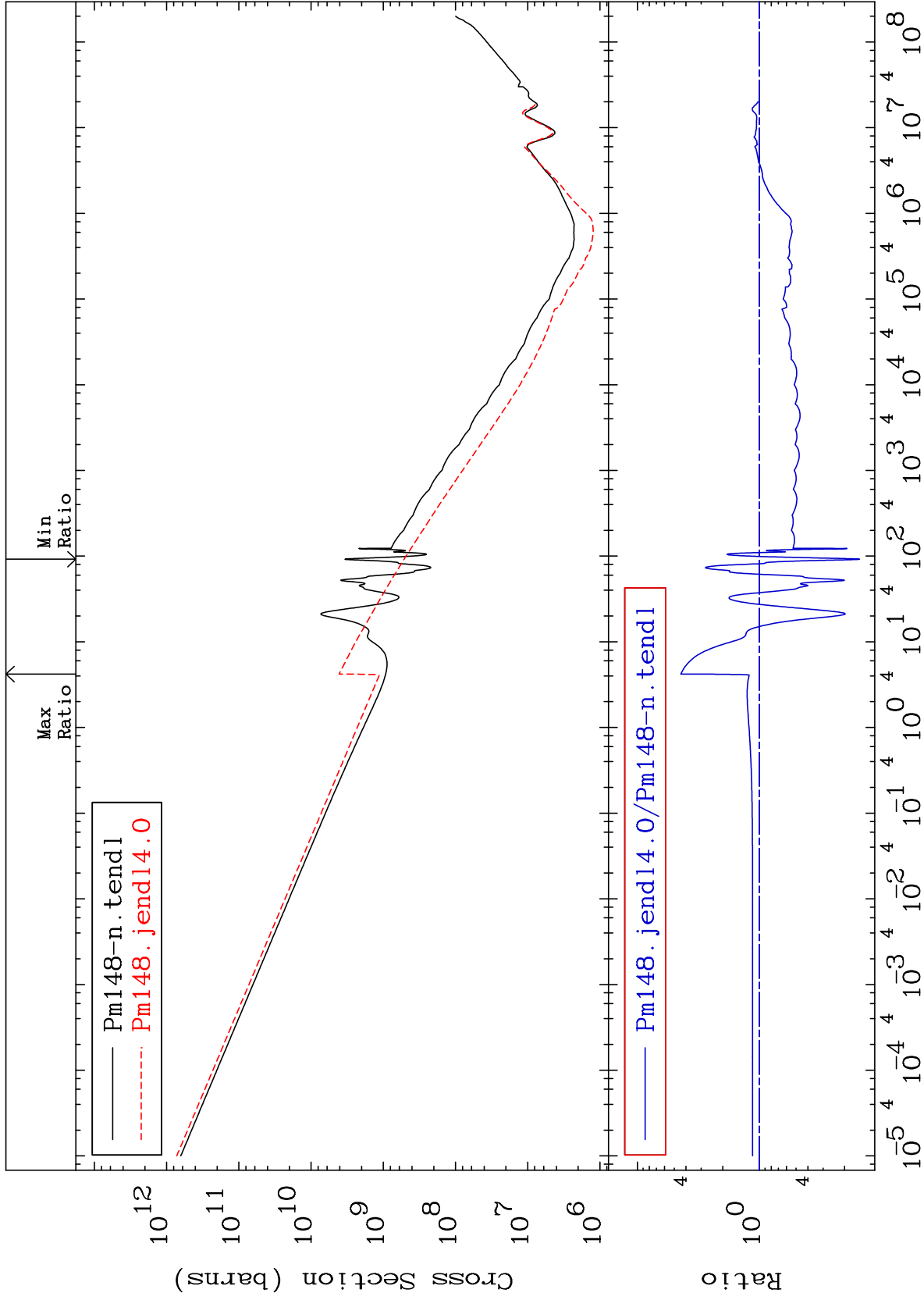
MAT 6152

Kerma capture (mt102)
Cross Section

61-Pm-148
-84.91 To 341.5 %



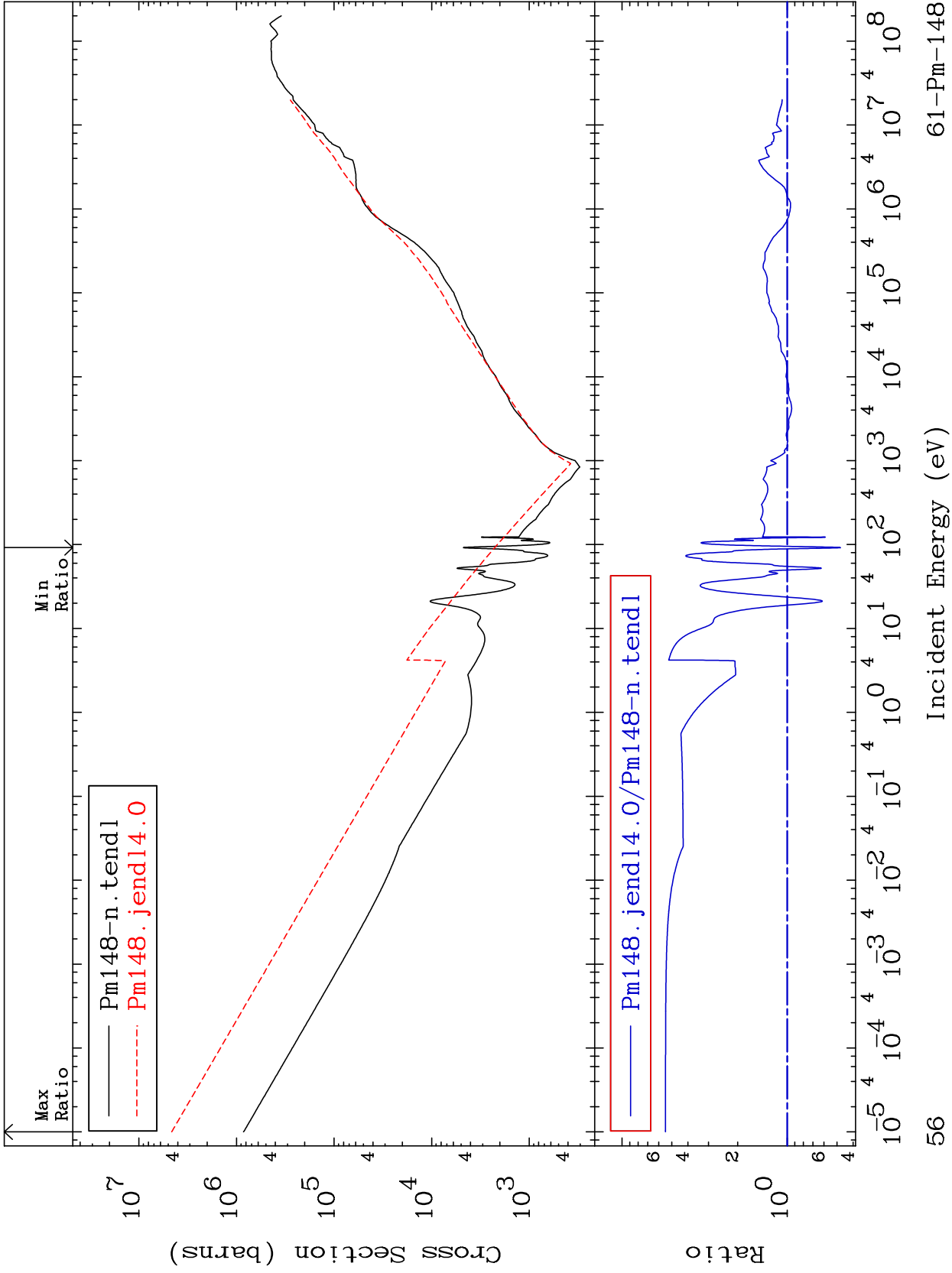


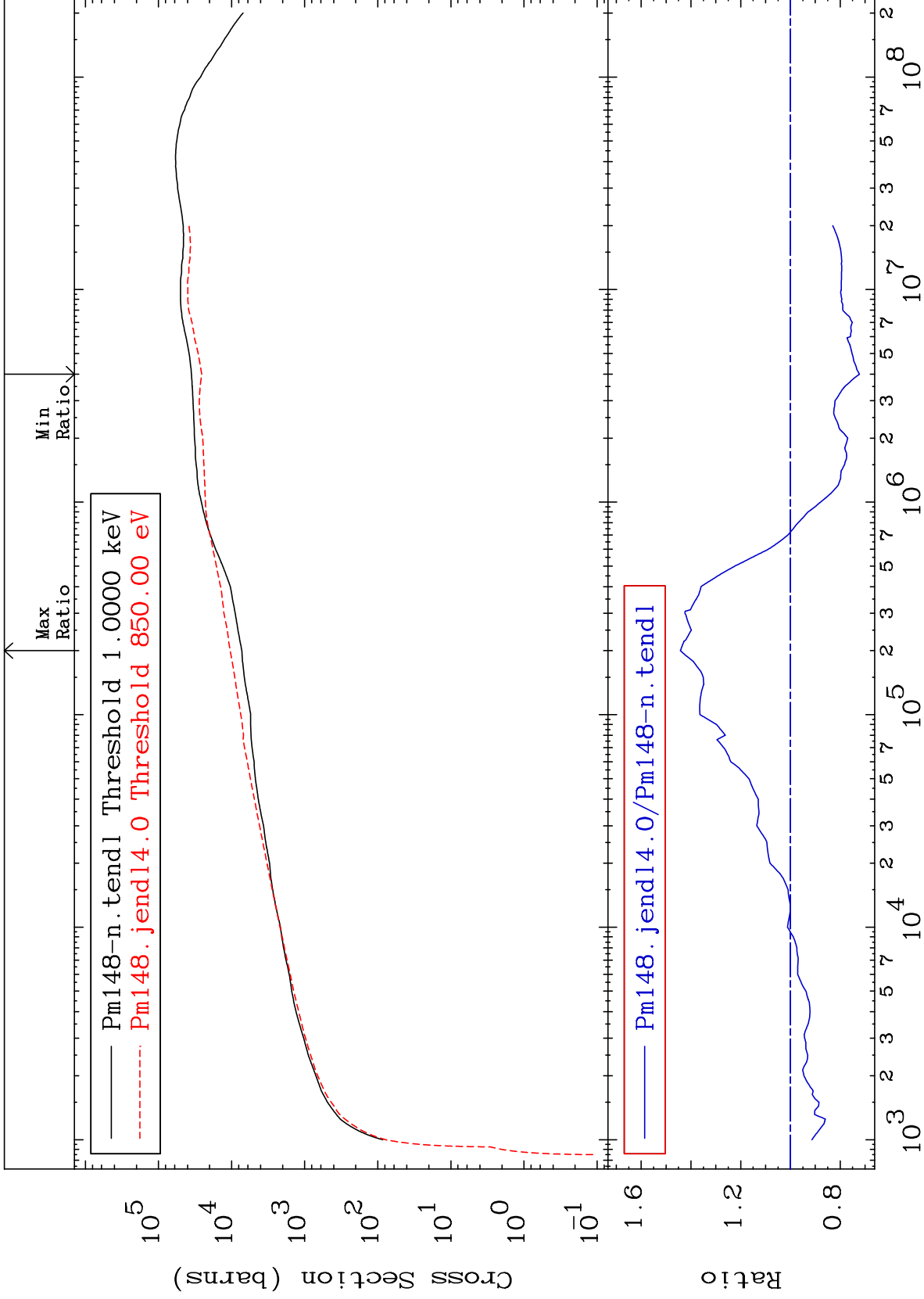


MAT 6152

Dpa total (eV-barns)
Cross Section

61-Pm-148
-52.49 To 446.1 %

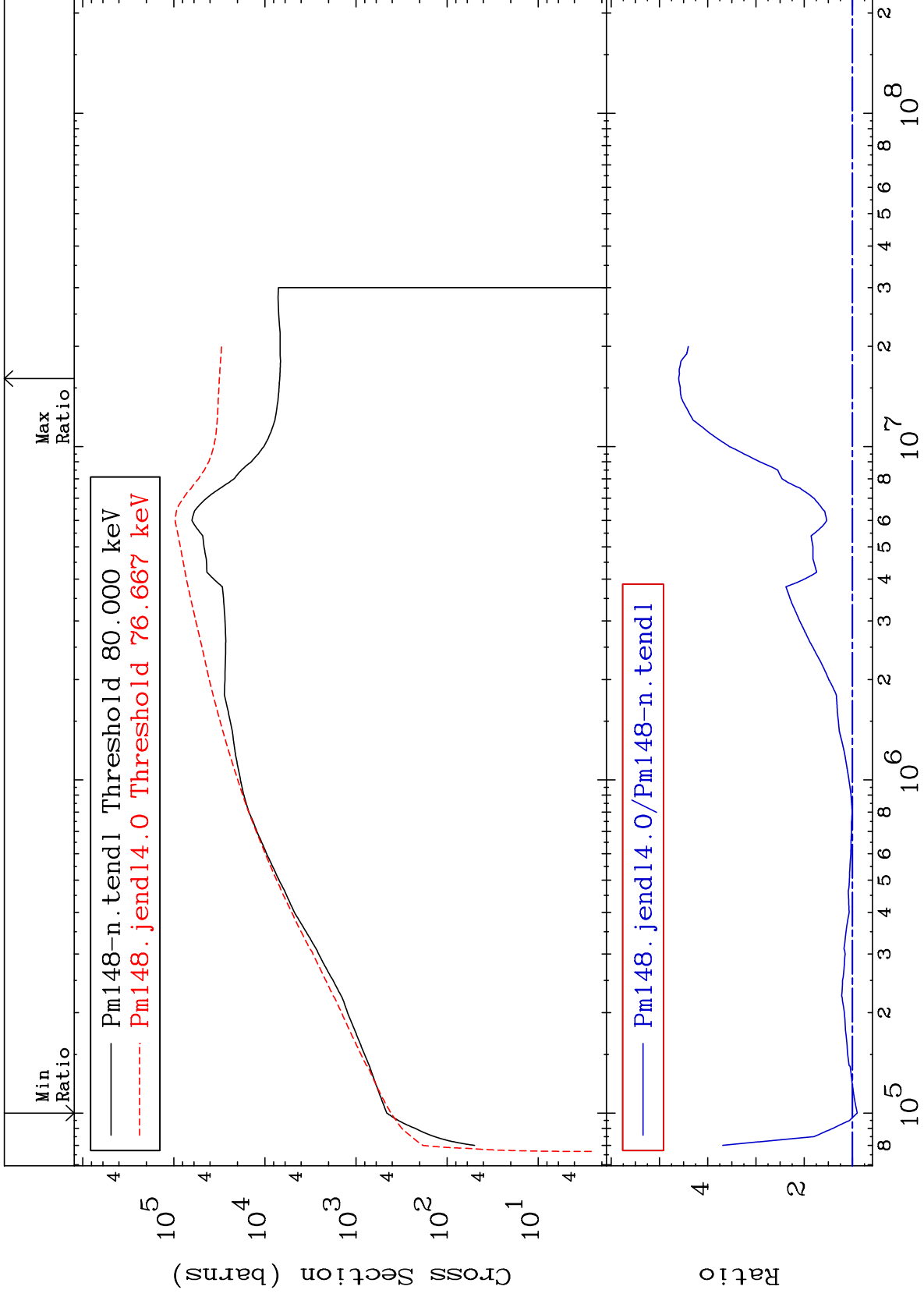




MAT 6152

Dpa inelastic (mt51-91)
Cross Section

61-Pm-148
-10.07 To 360.2 %



58

Incident Energy (eV)

61-Pm-148

MAT 6152

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-148
-52.49 To 446.1 %

