

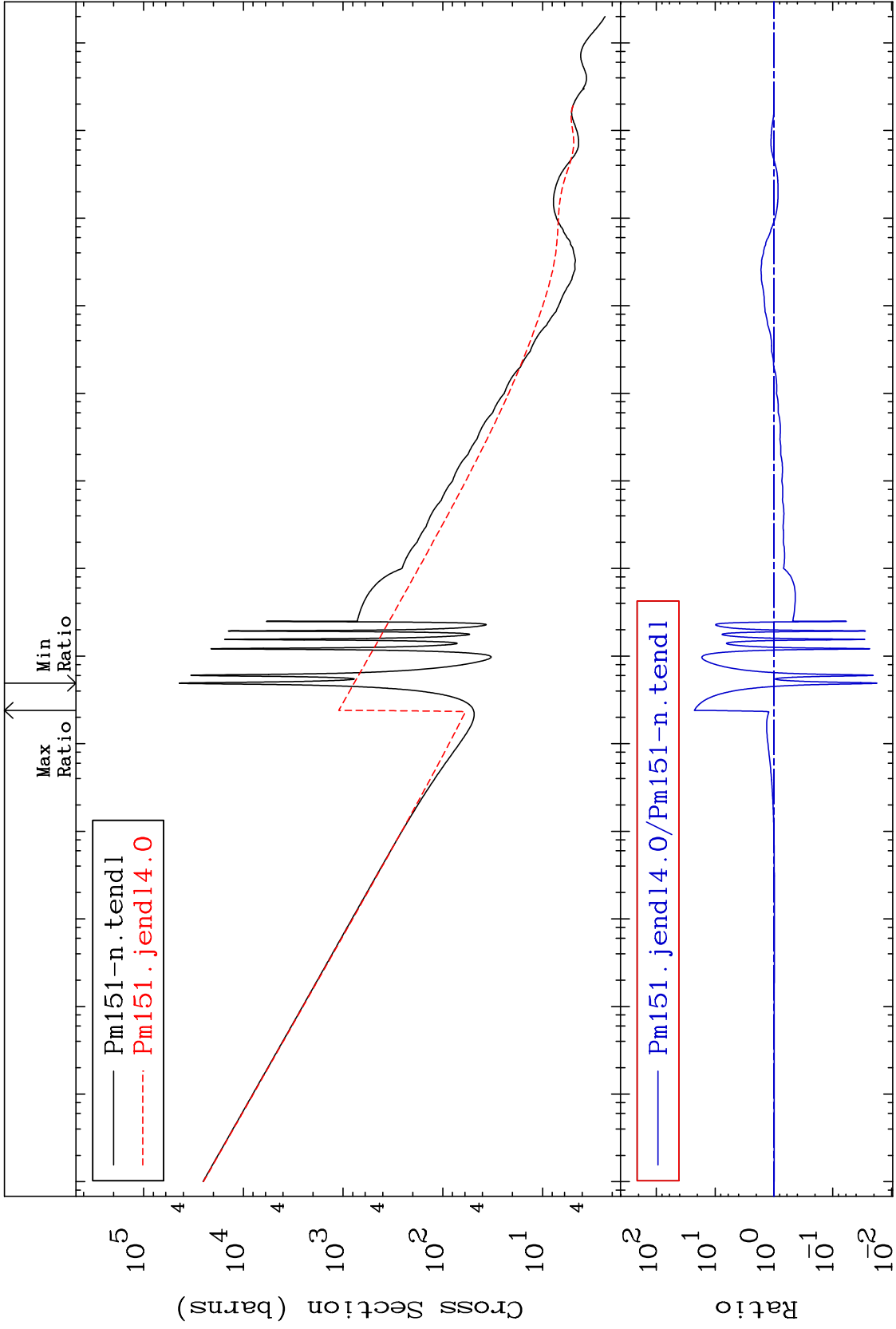
MAT 6161

Total

61-Pm-151

Cross Section

-98.24 To 2152. %



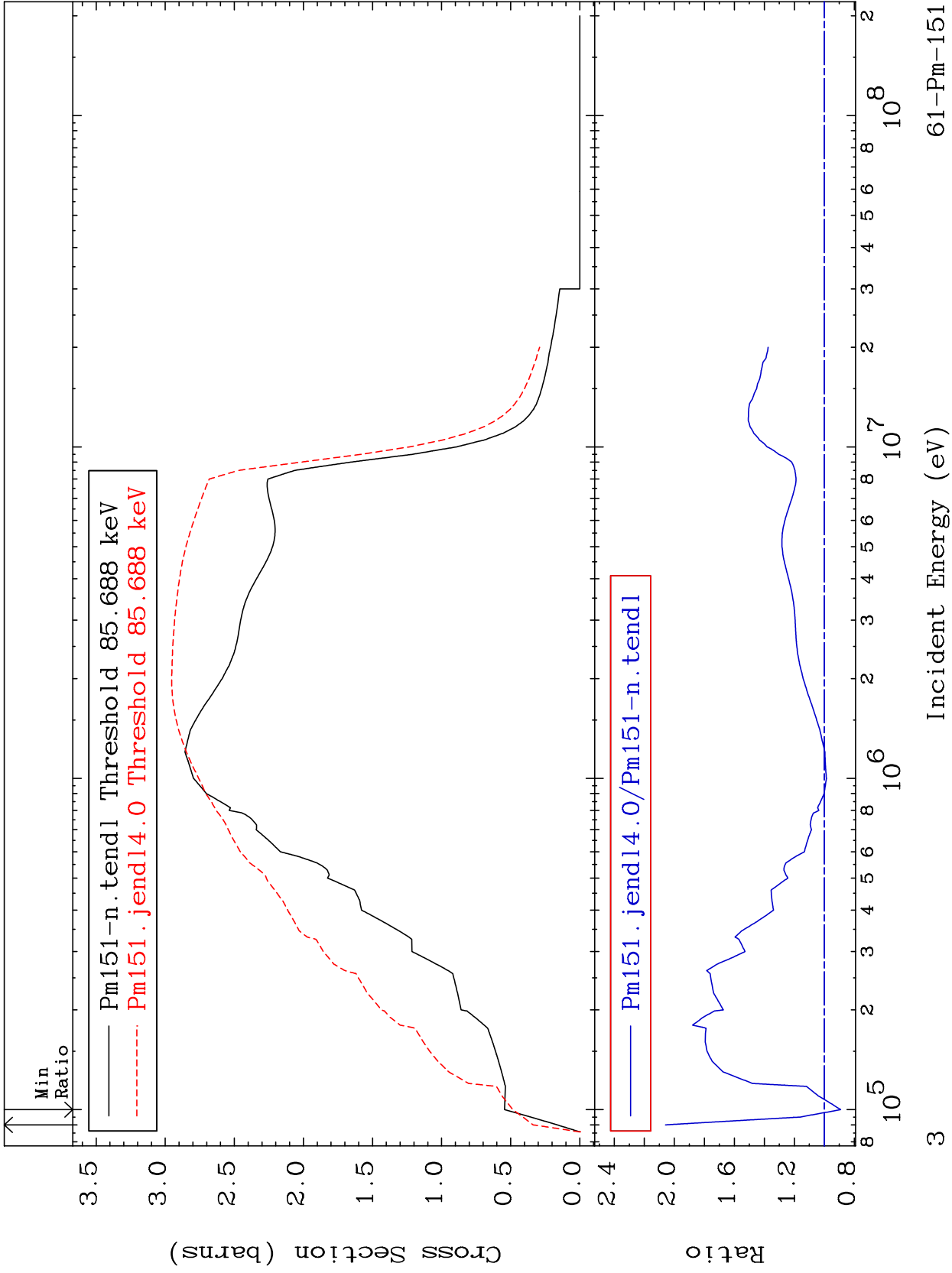
Incident Energy (eV)

61-Pm-151

MAT 6161

Inelastic
Cross Section

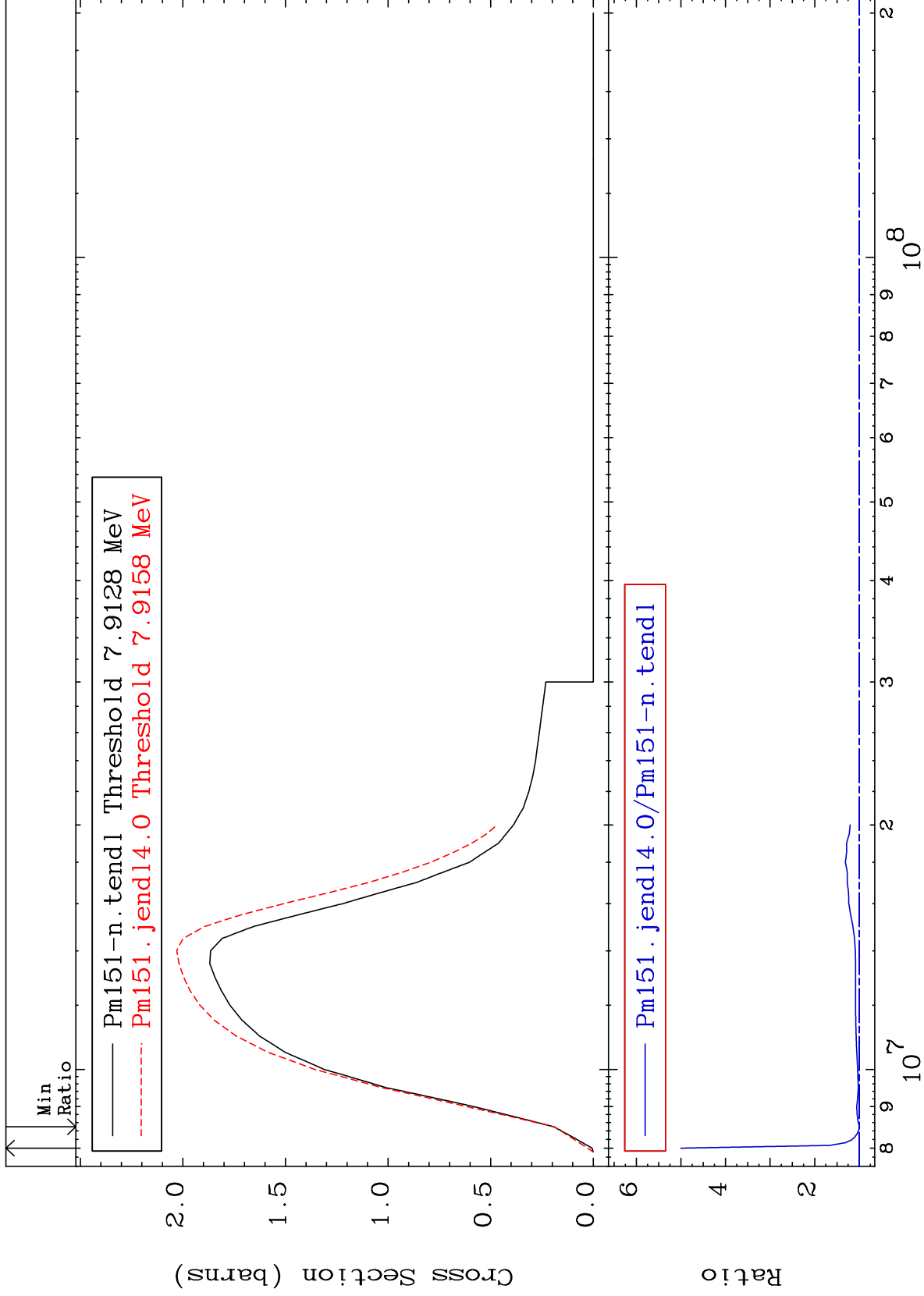
61-Pm-151
-10.89 To 105.9 %



MAT 6161

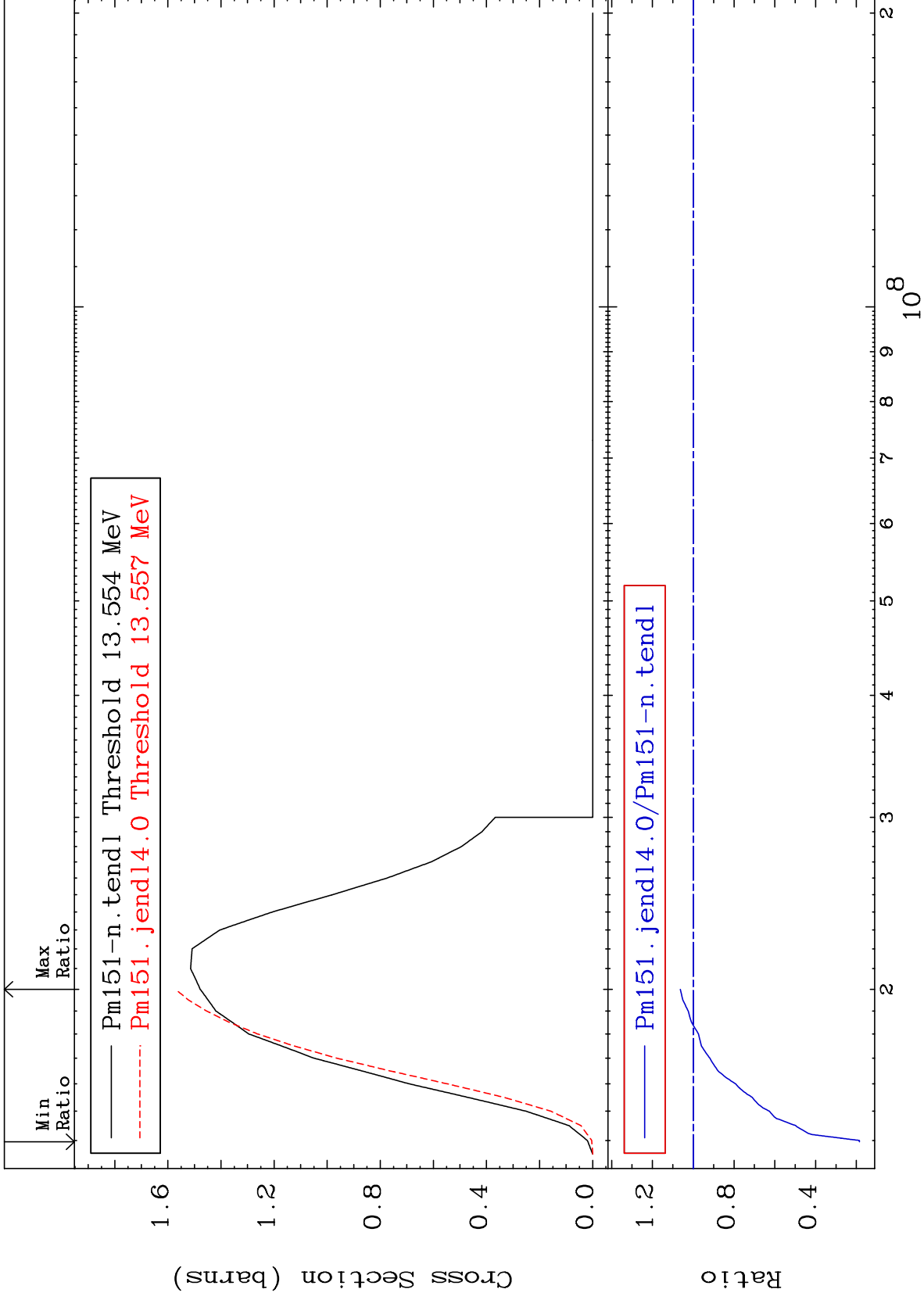
(n,2n)
Cross Section

61-Pm-151
-0.638 To 400.5 %



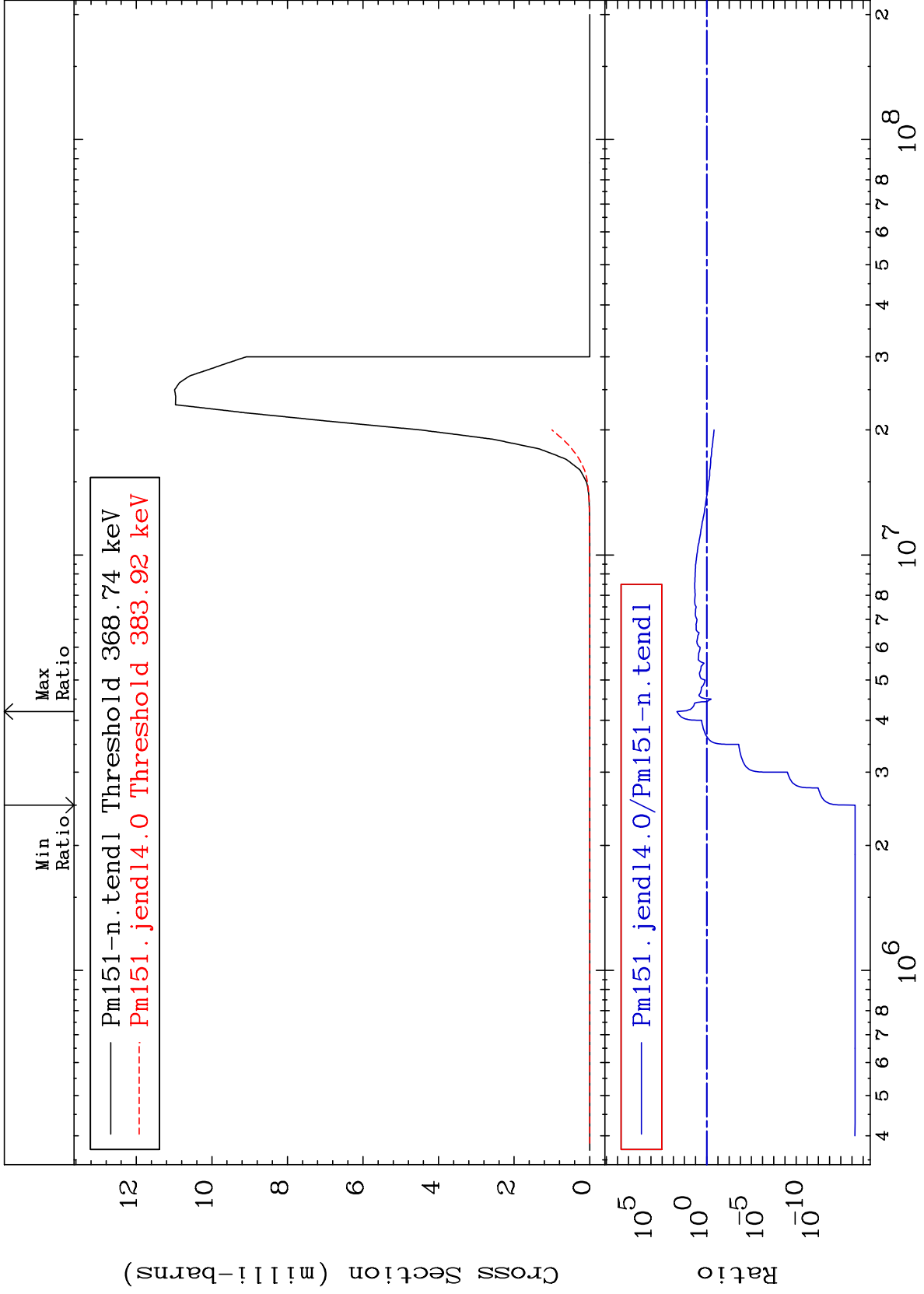
4

61-Pm-151



MAT 6161

(n, n') α
Cross Section
61-Pm-151
-100.0 To 9999. %



6

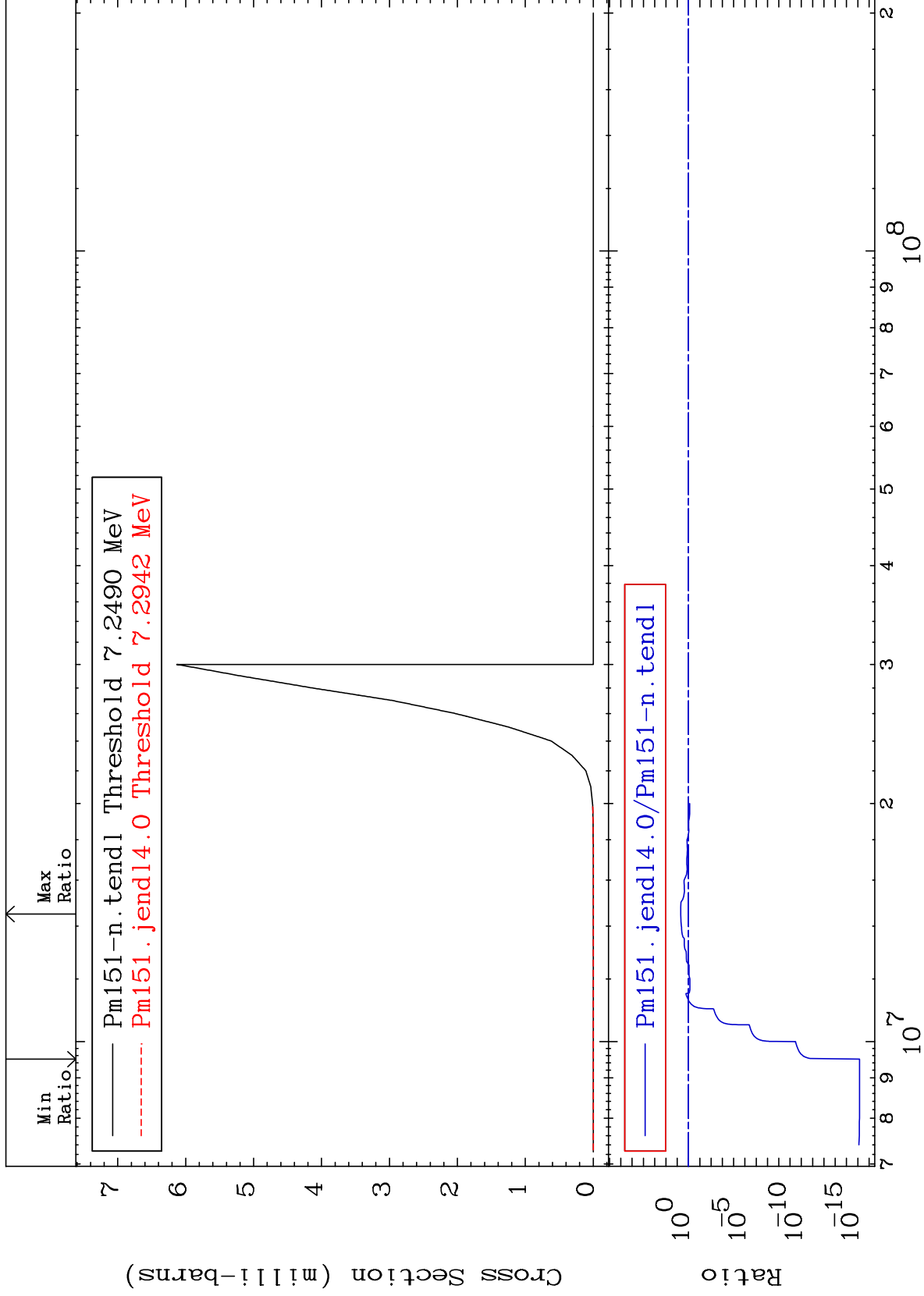
61-Pm-151

61-Pm-151

MAT 6161

(n,2n) α
Cross Section

61-Pm-151
-100.0 To 386.3 %



7

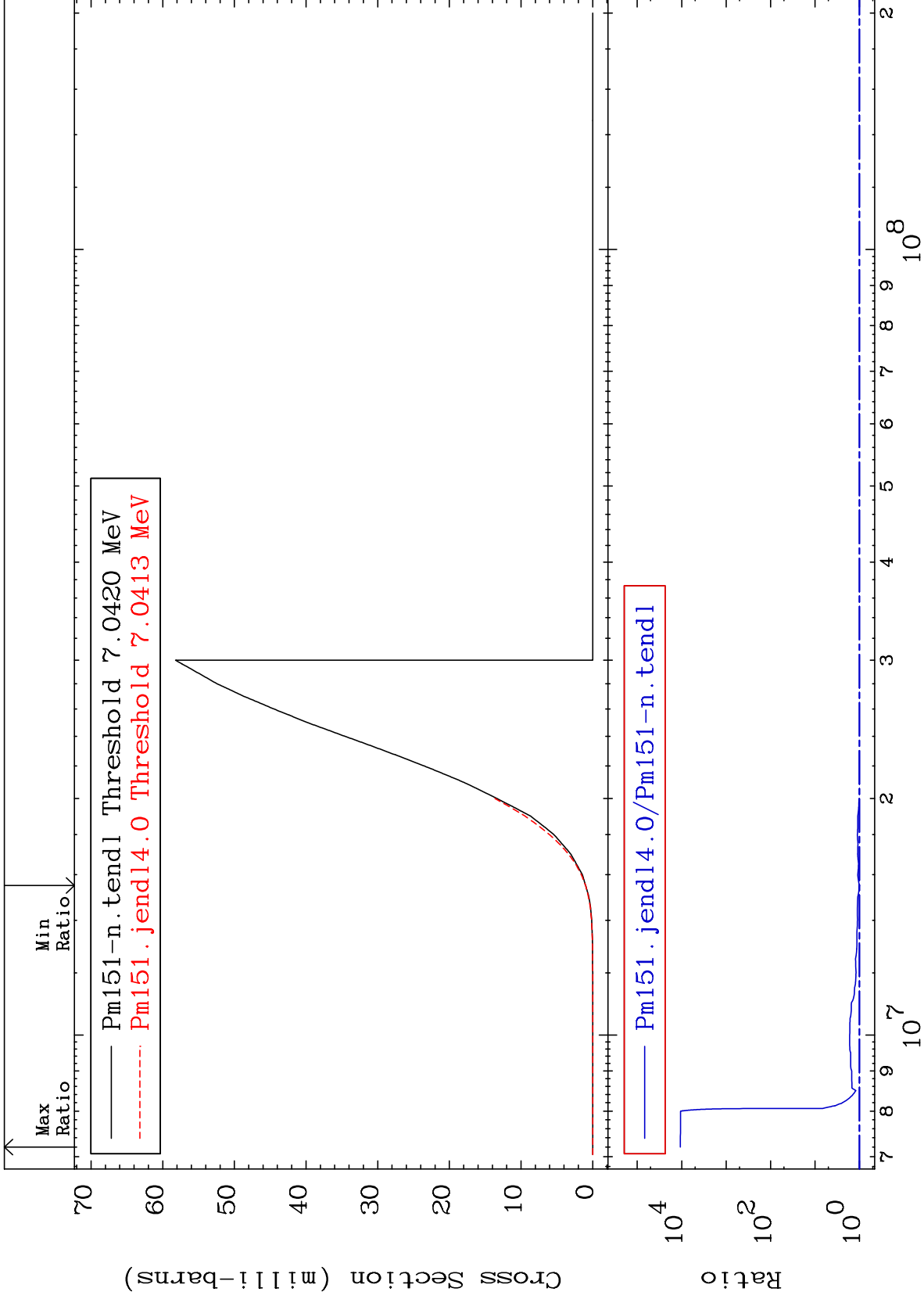
Incident Energy (eV)

61-Pm-151

MAT 6161

(n,n') p
Cross Section

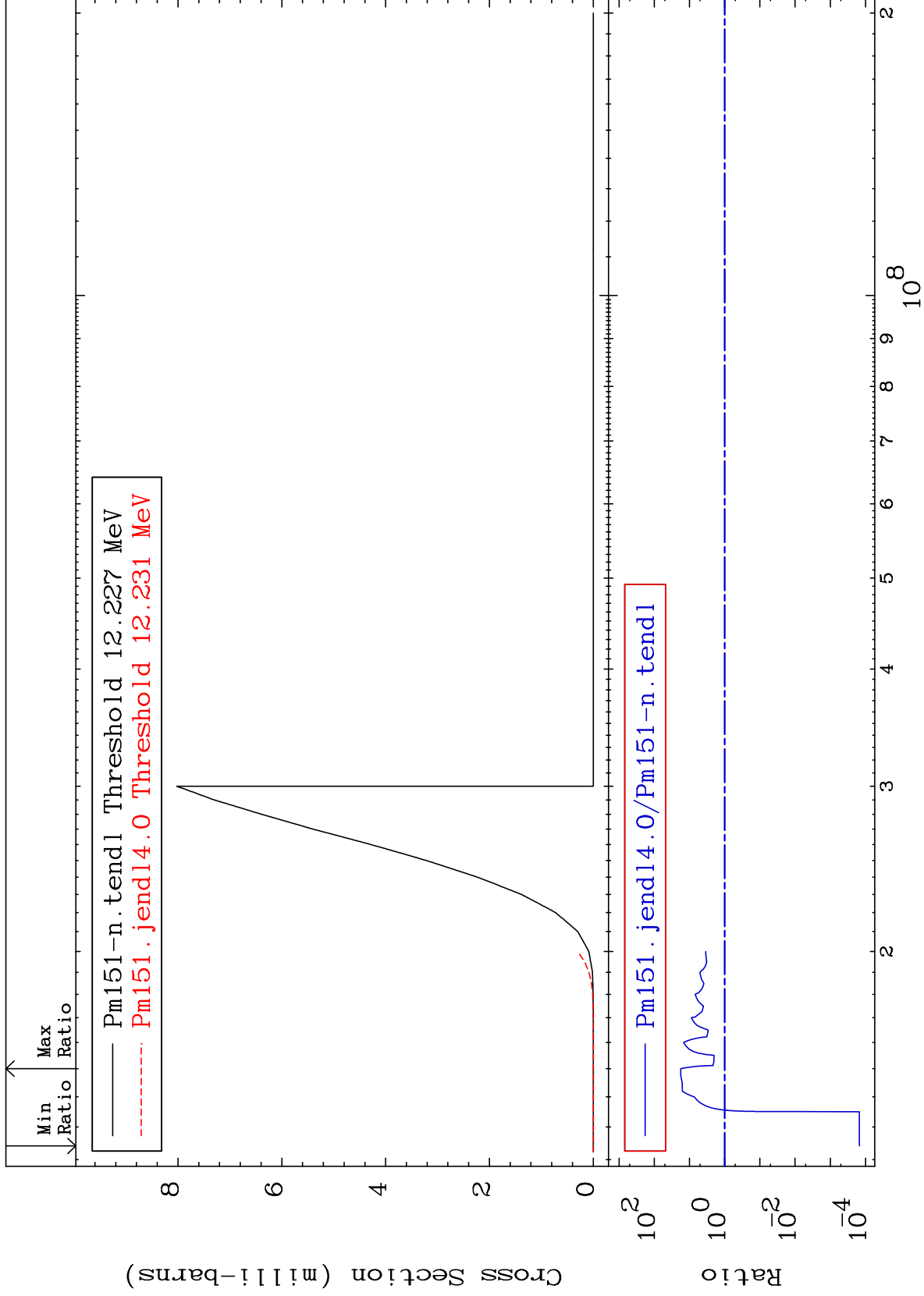
61-Pm-151
To 9999. %
0.259



8

Incident Energy (eV)

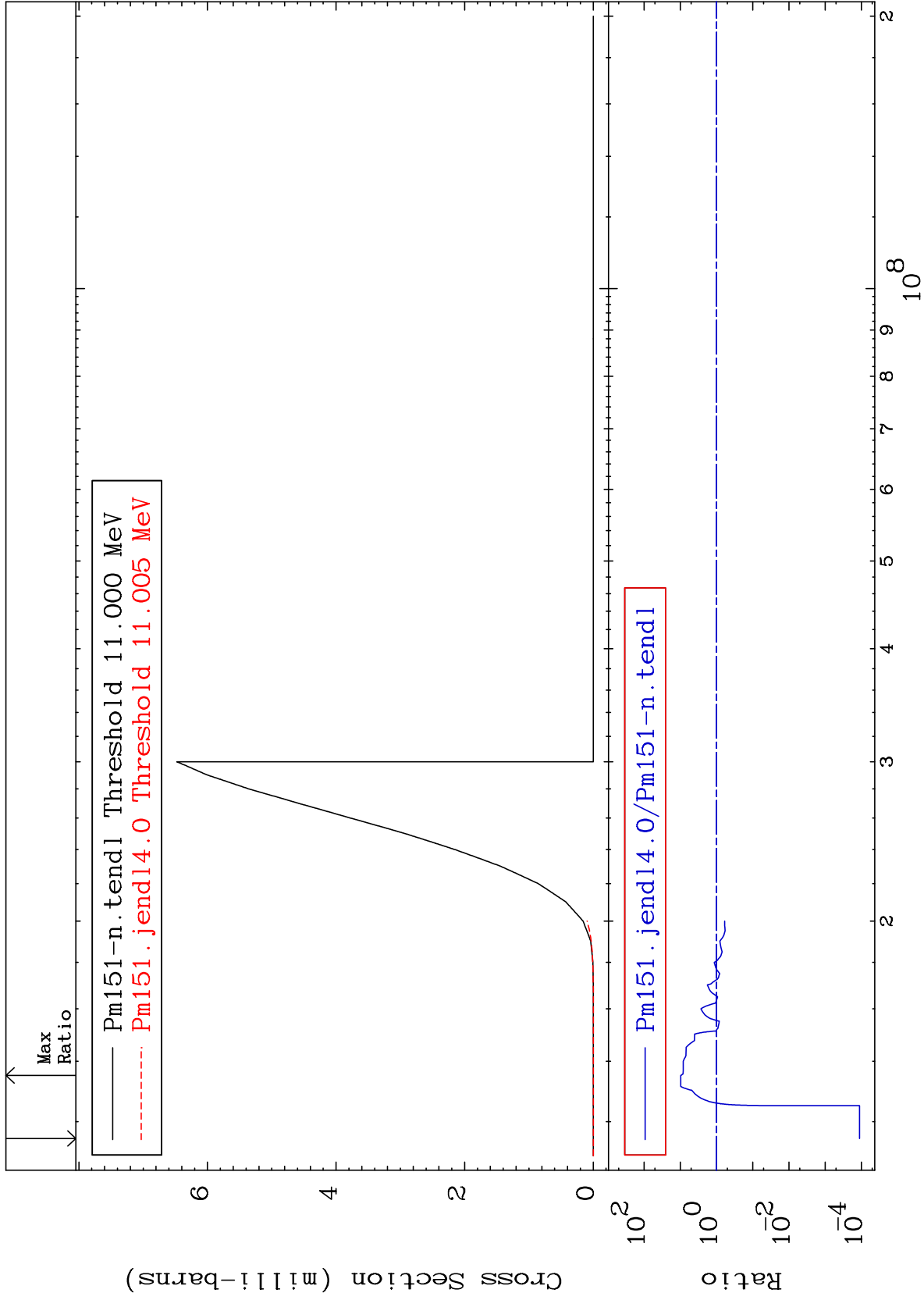
61-Pm-151



MAT 6161

(n,n') t
Cross Section

61-Pm-151
-99.99 To 864.8 %



10

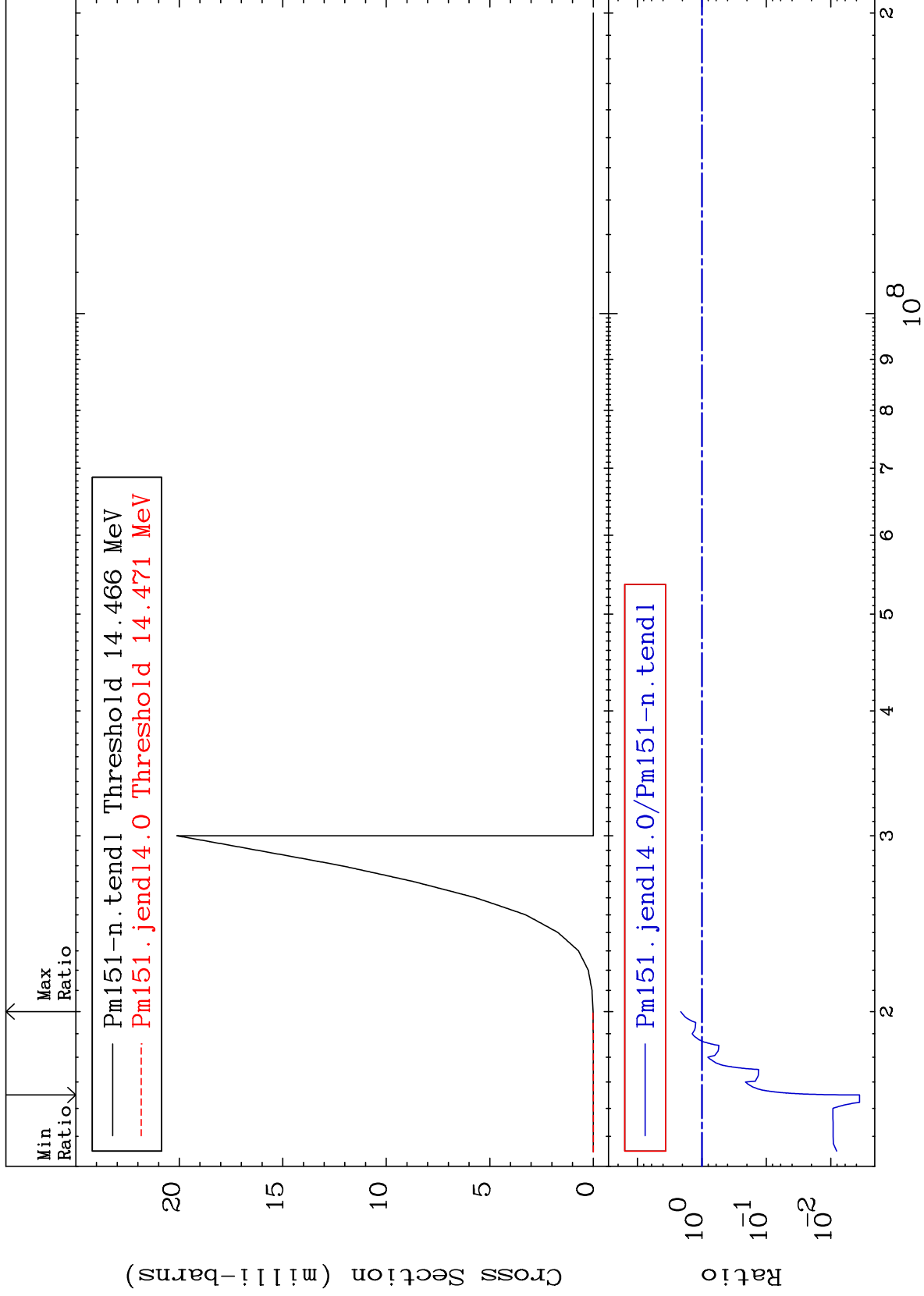
Incident Energy (eV)

61-Pm-151

MAT 6161

(n,2n) p
Cross Section

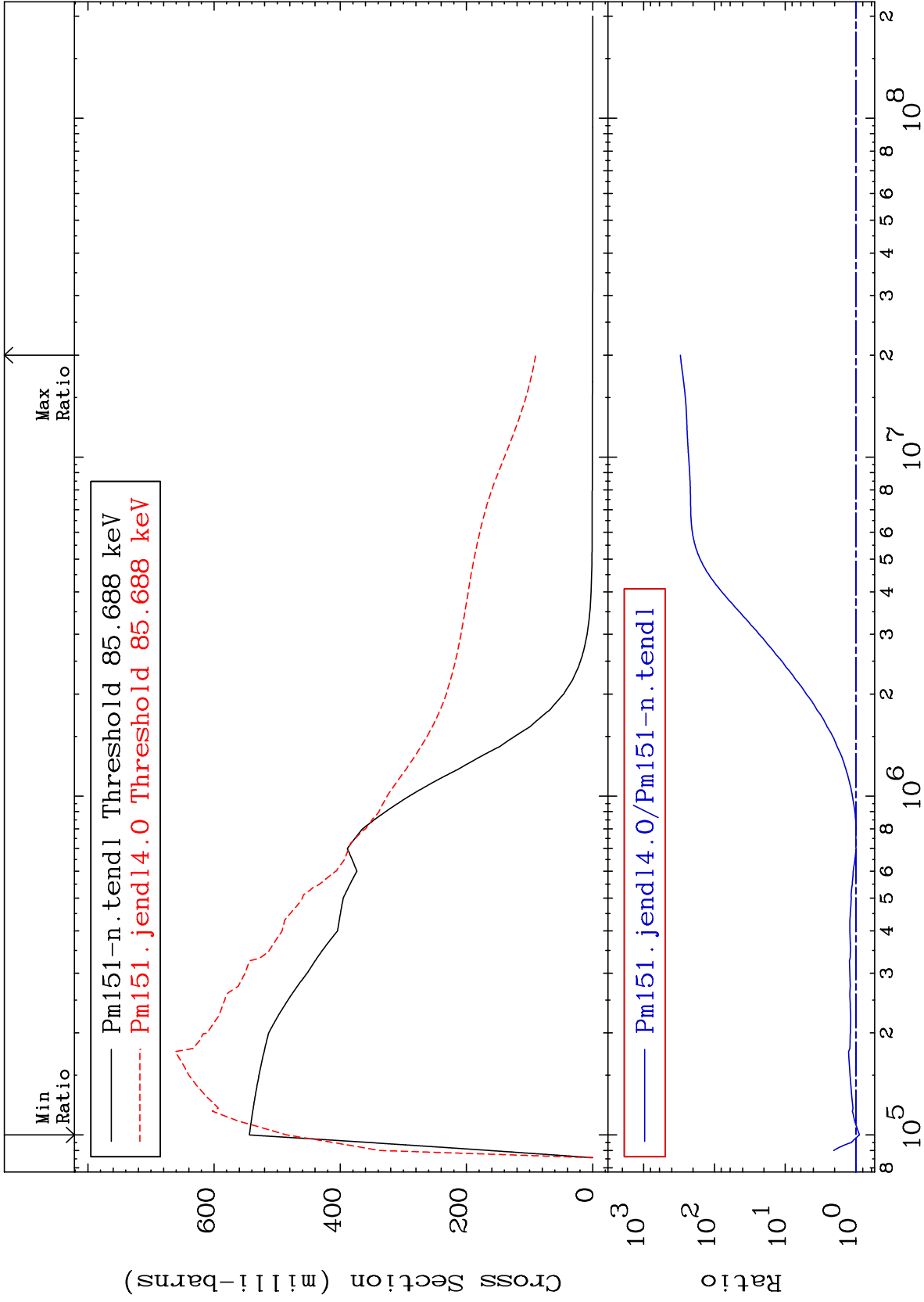
61-Pm-151
-99.64 To 112.4 %



MAT 6161

85.12 keV (n,n') Level
Cross Section

61-Pm-151
-10.89 To 9999. %

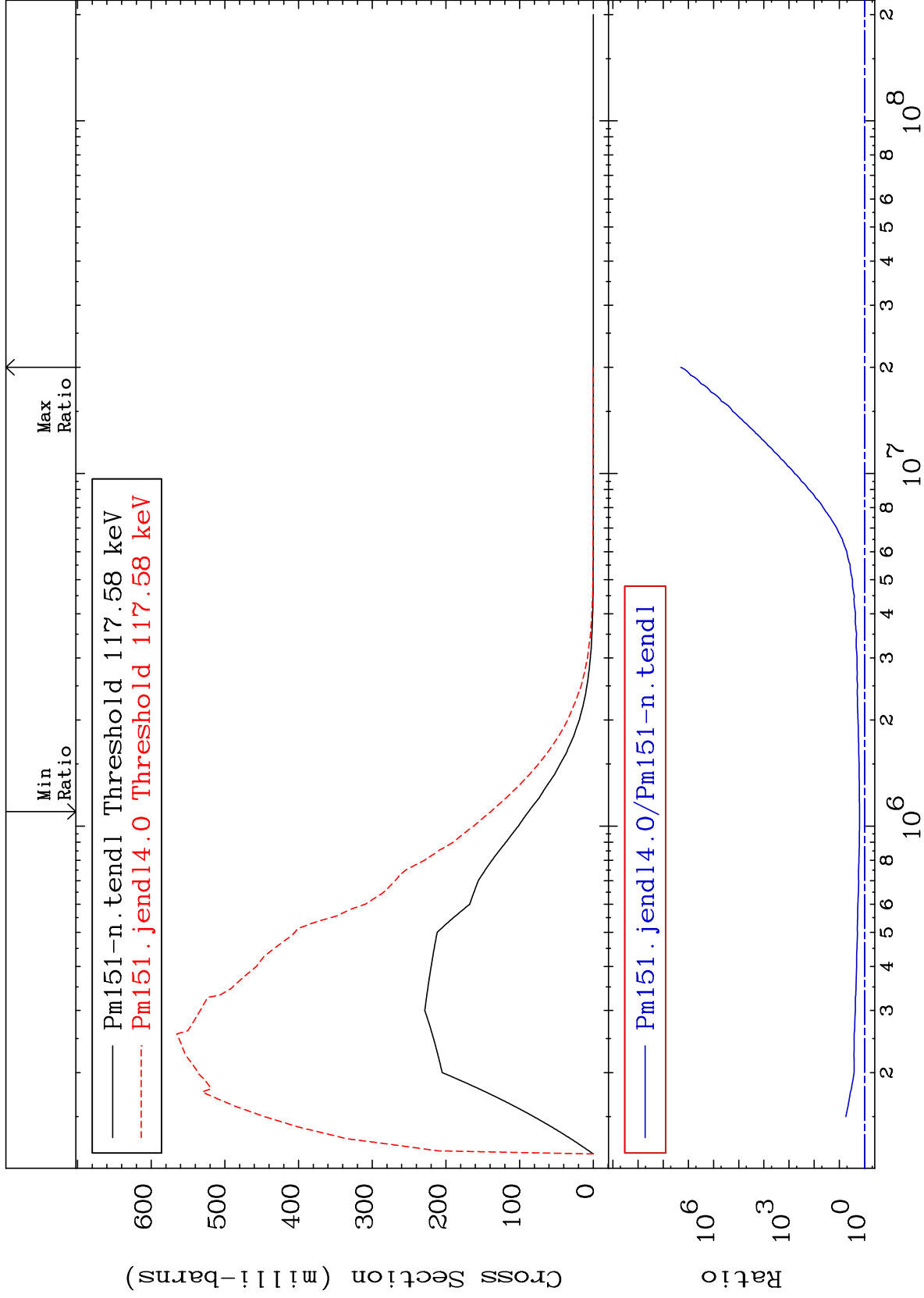


12

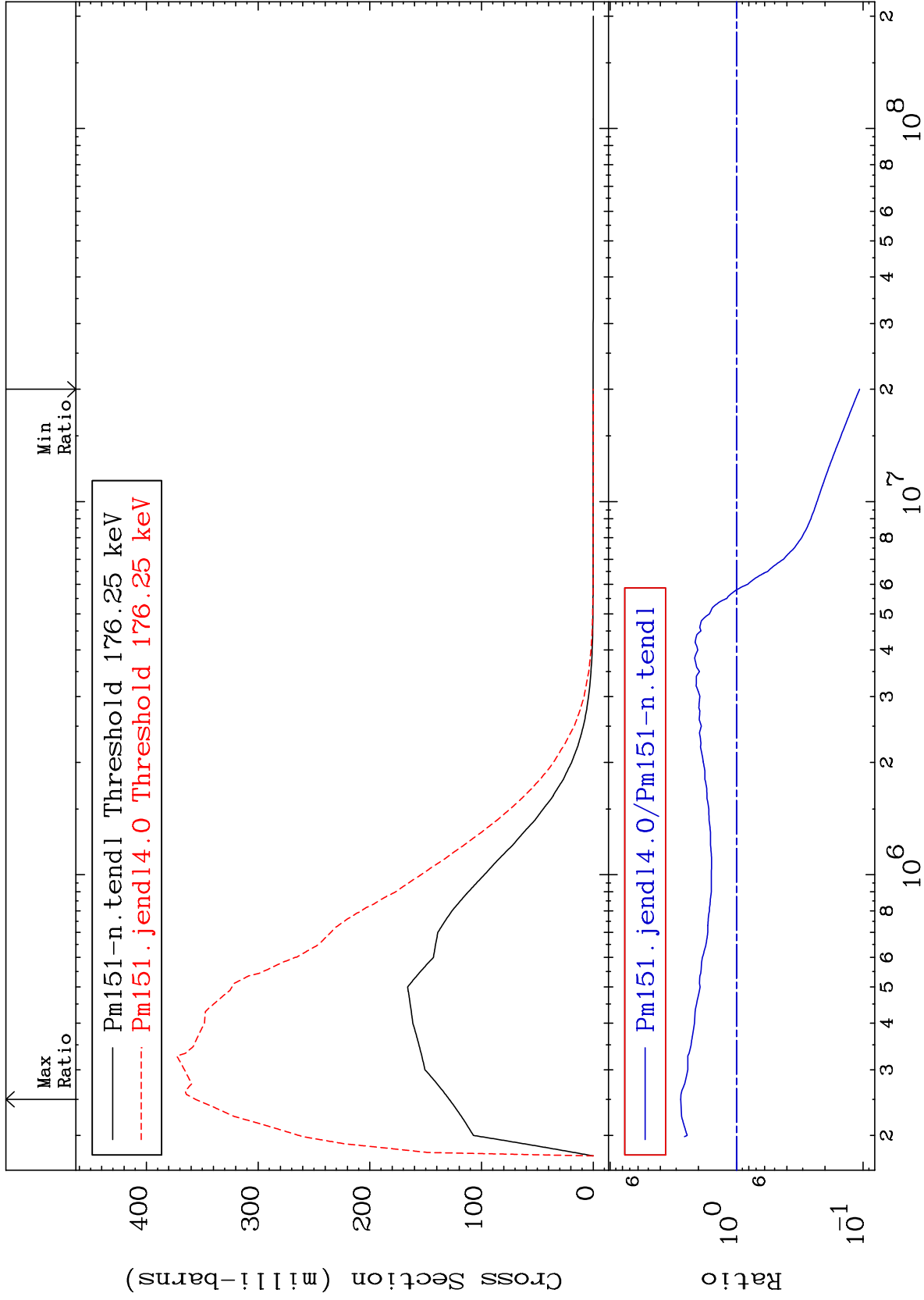
Incident Energy (eV)

61-Pm-151

MAT 6161 116.8 keV (n,n') Level 61-Pm-151
 Cross Section 58.32 To 9999. %



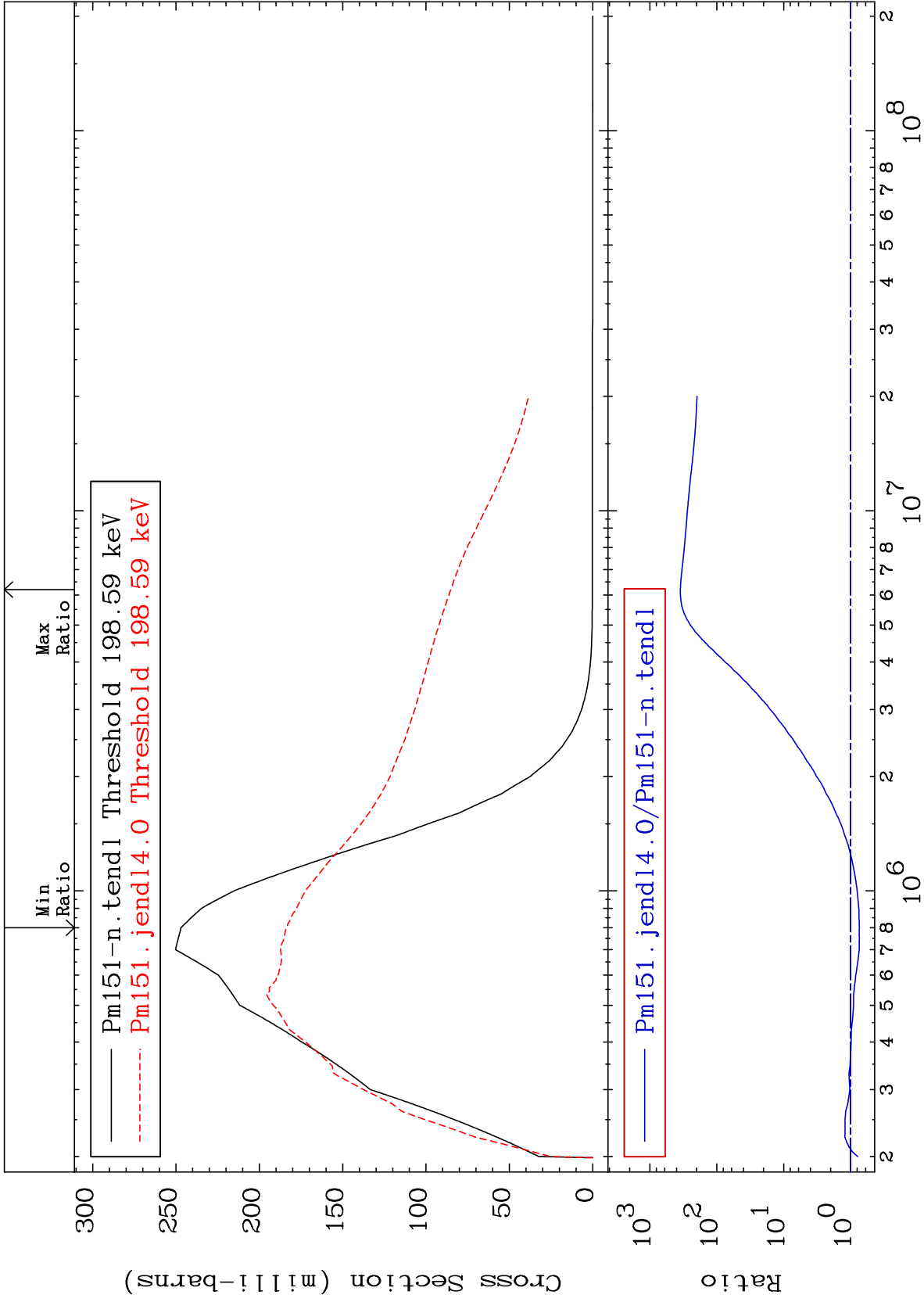
MAT 6161 175.1 keV (n,n') Level 61-Pm-151
 Cross Section -89.34 To 176.2 %



MAT 6161

197.3 keV (n,n') Level
Cross Section

61-Pm-151
-25.83 To 9999. %



15

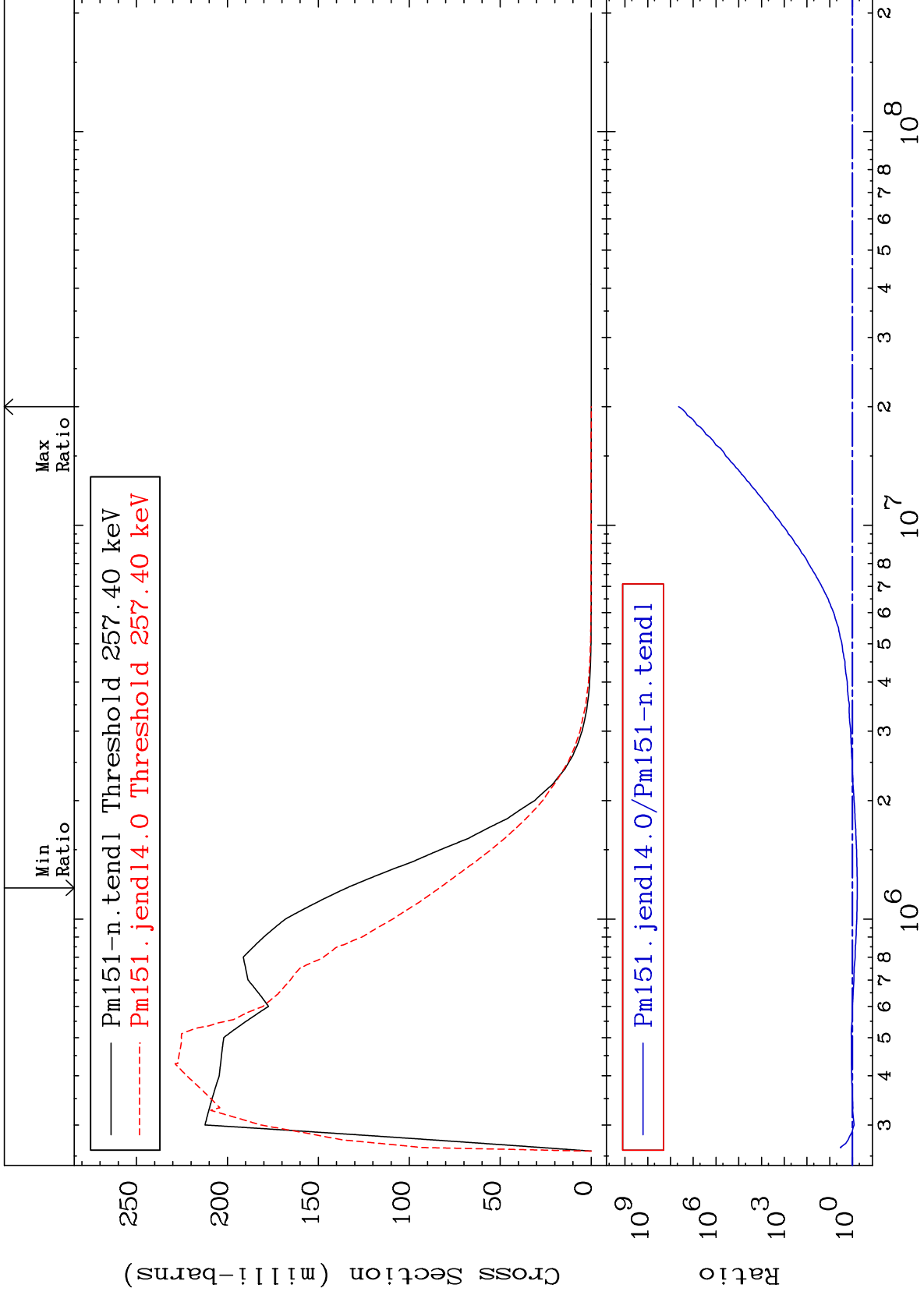
Incident Energy (eV)

61-Pm-151

MAT 6161

255.7 keV (n,n') Level
Cross Section

61-Pm-151
-38.04 To 9999. %



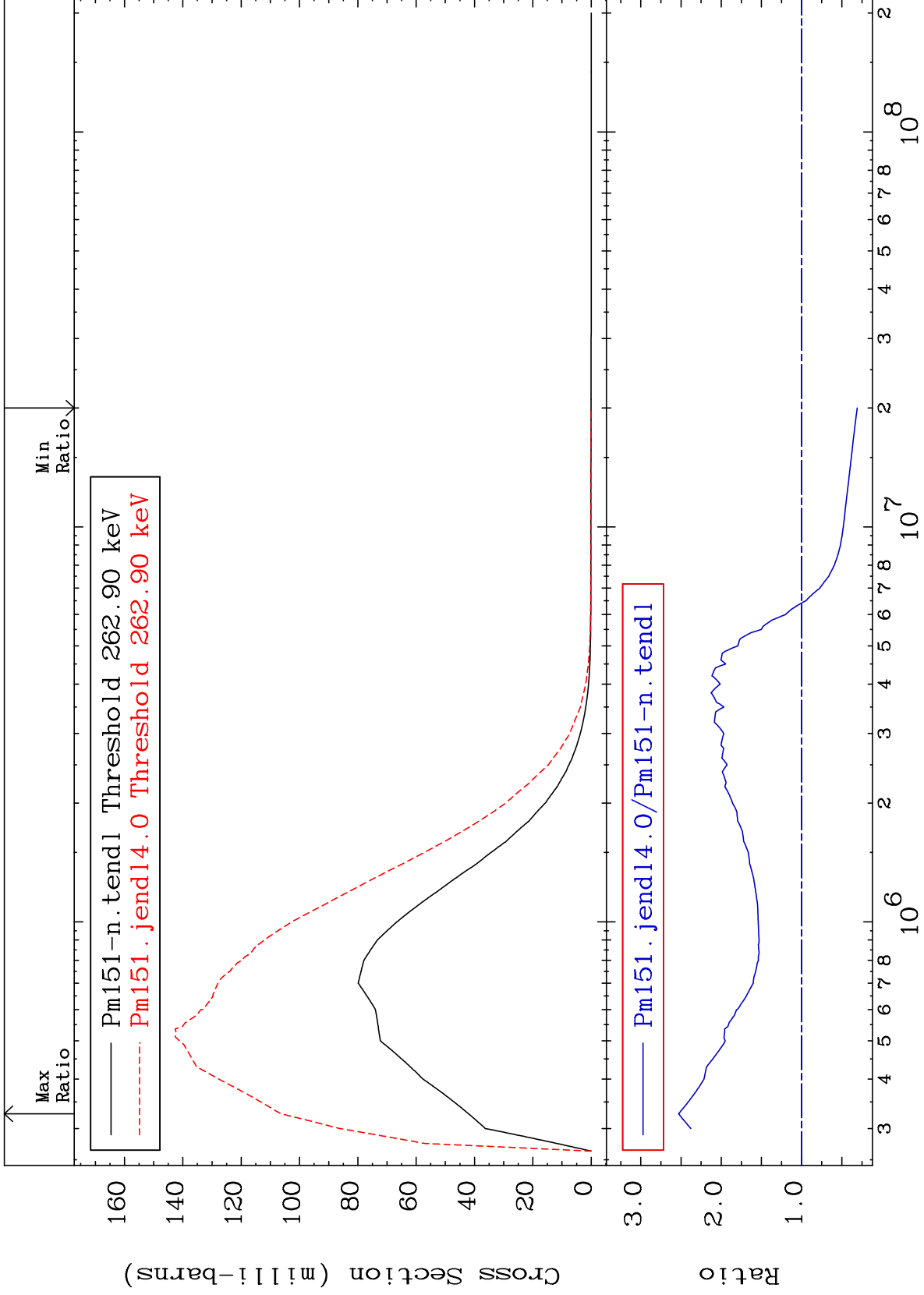
16

61-Pm-151

MAT 6161

261.2 keV (n,n') Level
Cross Section

61-Pm-151
-69.16 To 152.9 %



17

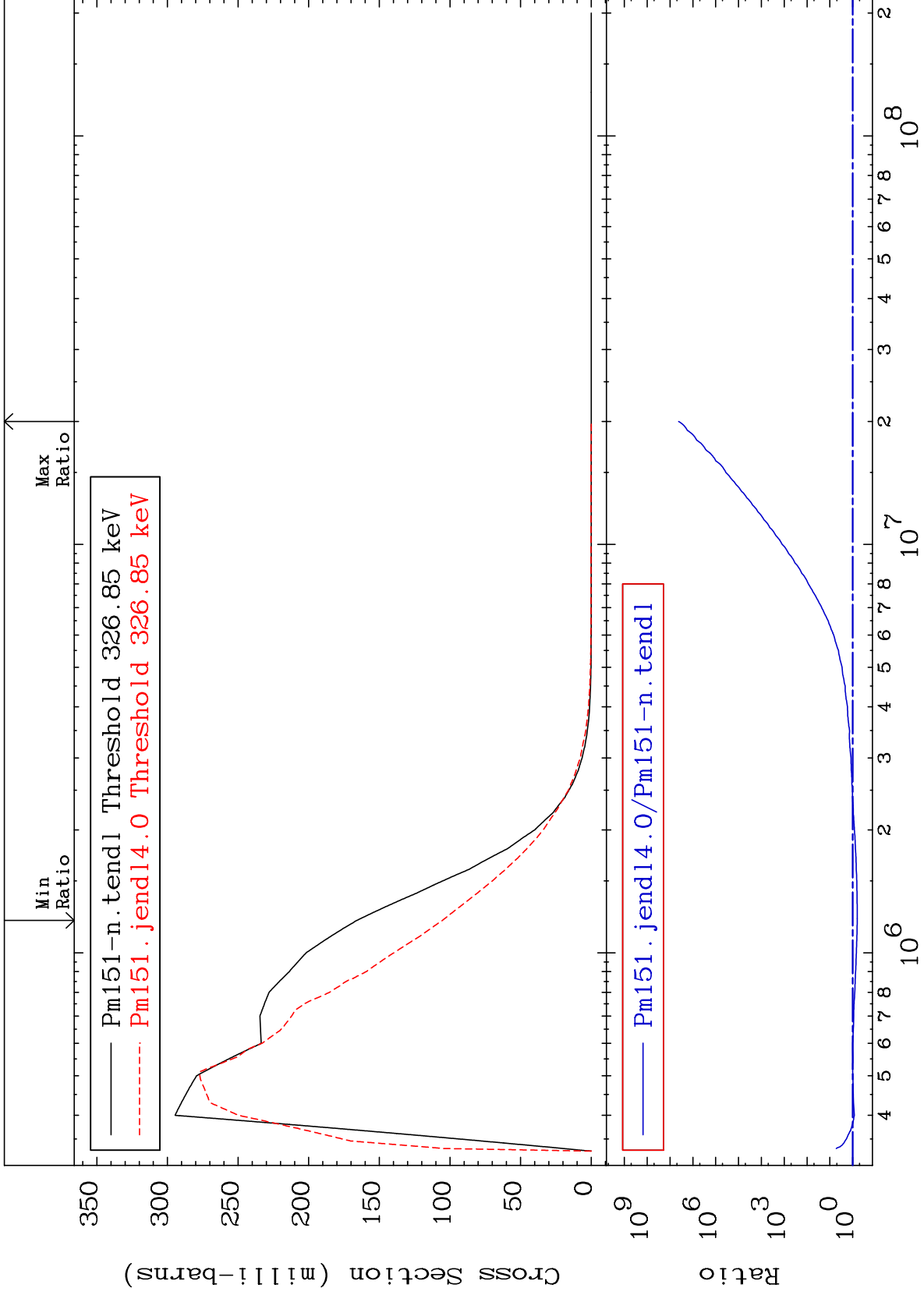
Incident Energy (eV)

61-Pm-151

MAT 6161

324.7 keV (n,n') Level
Cross Section

61-Pm-151
-36.53 To 9999. %



18

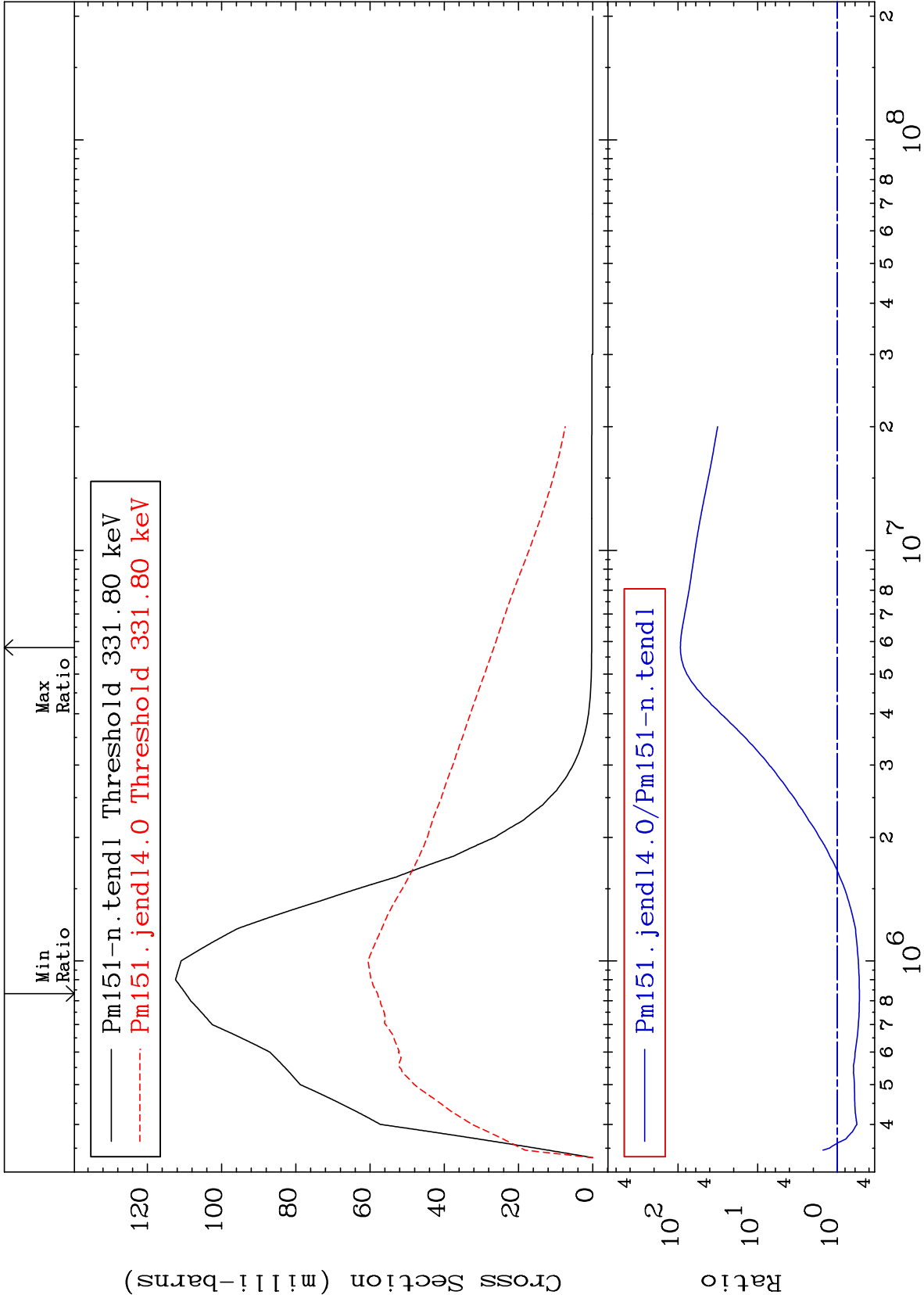
Incident Energy (eV)

61-Pm-151

MAT 6161

329.6 keV (n,n') Level
Cross Section

61-Pm-151
-47.15 To 9255. %



19

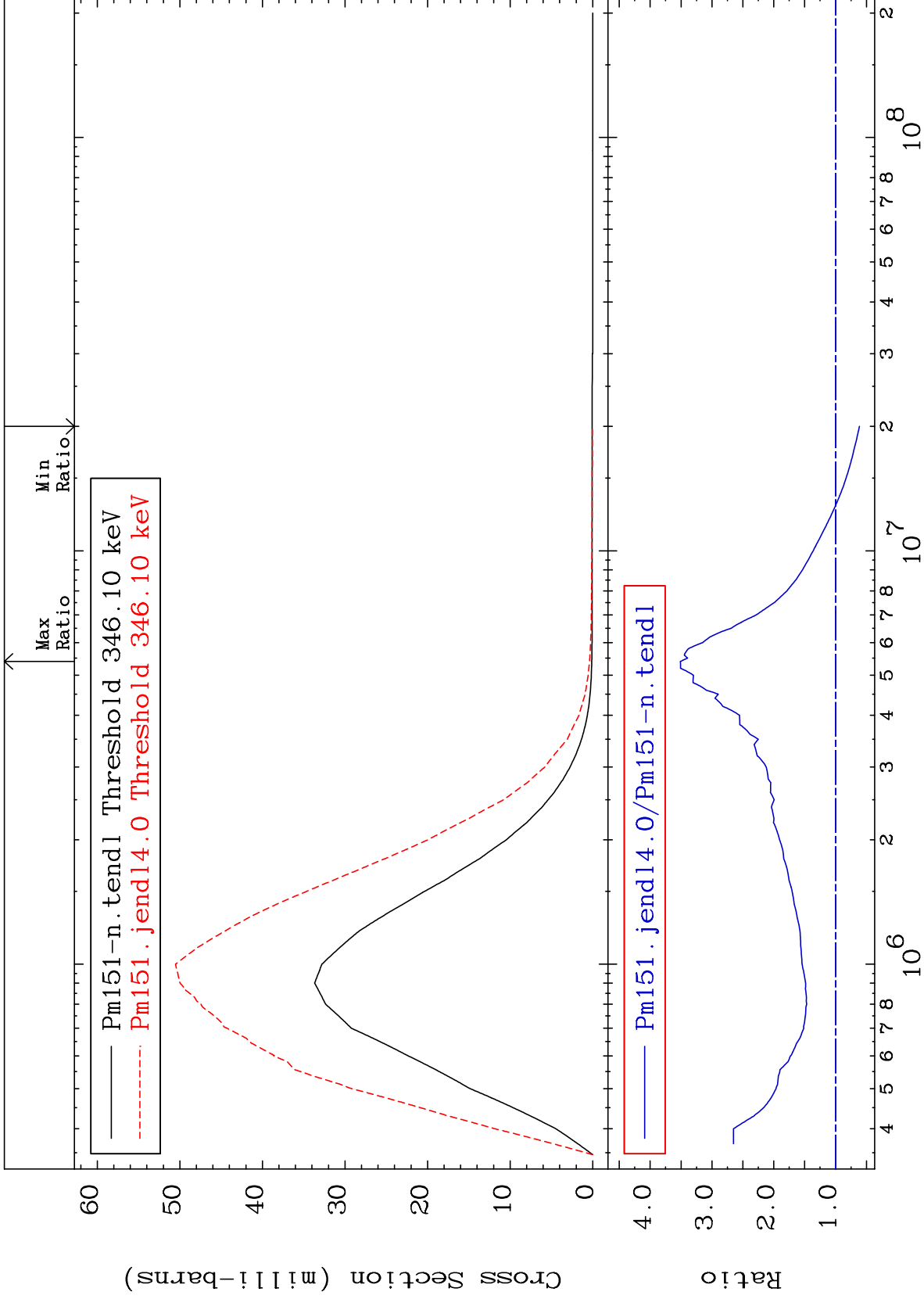
Incident Energy (eV)

61-Pm-151

MAT 6161

343.8 keV (n,n') Level
Cross Section

61-Pm-151
-38.60 To 251.1 %



20

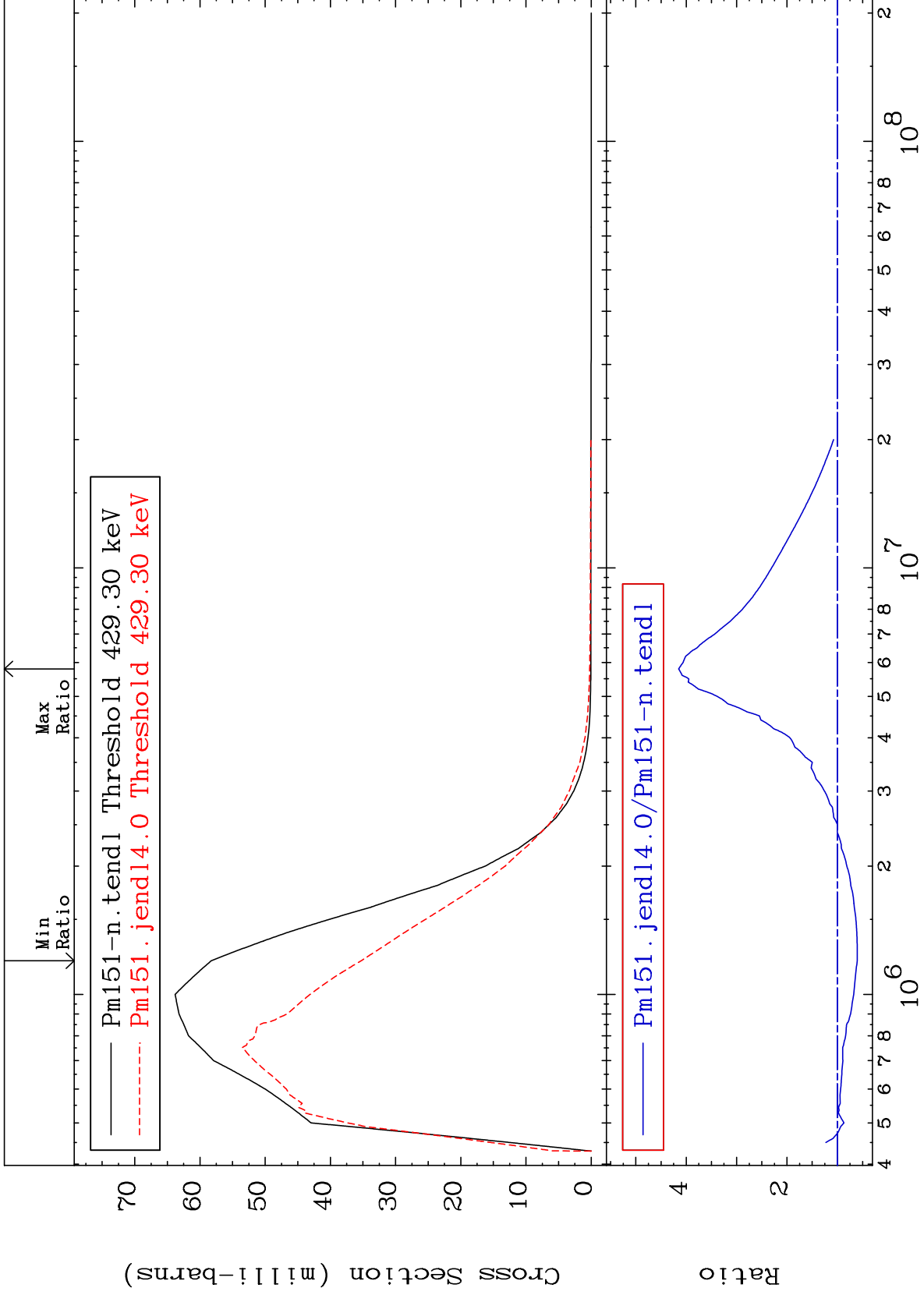
Incident Energy (eV)

61-Pm-151

MAT 6161

426.5 keV (n,n') Level
Cross Section

61-Pm-151
-39.47 To 315.1 %



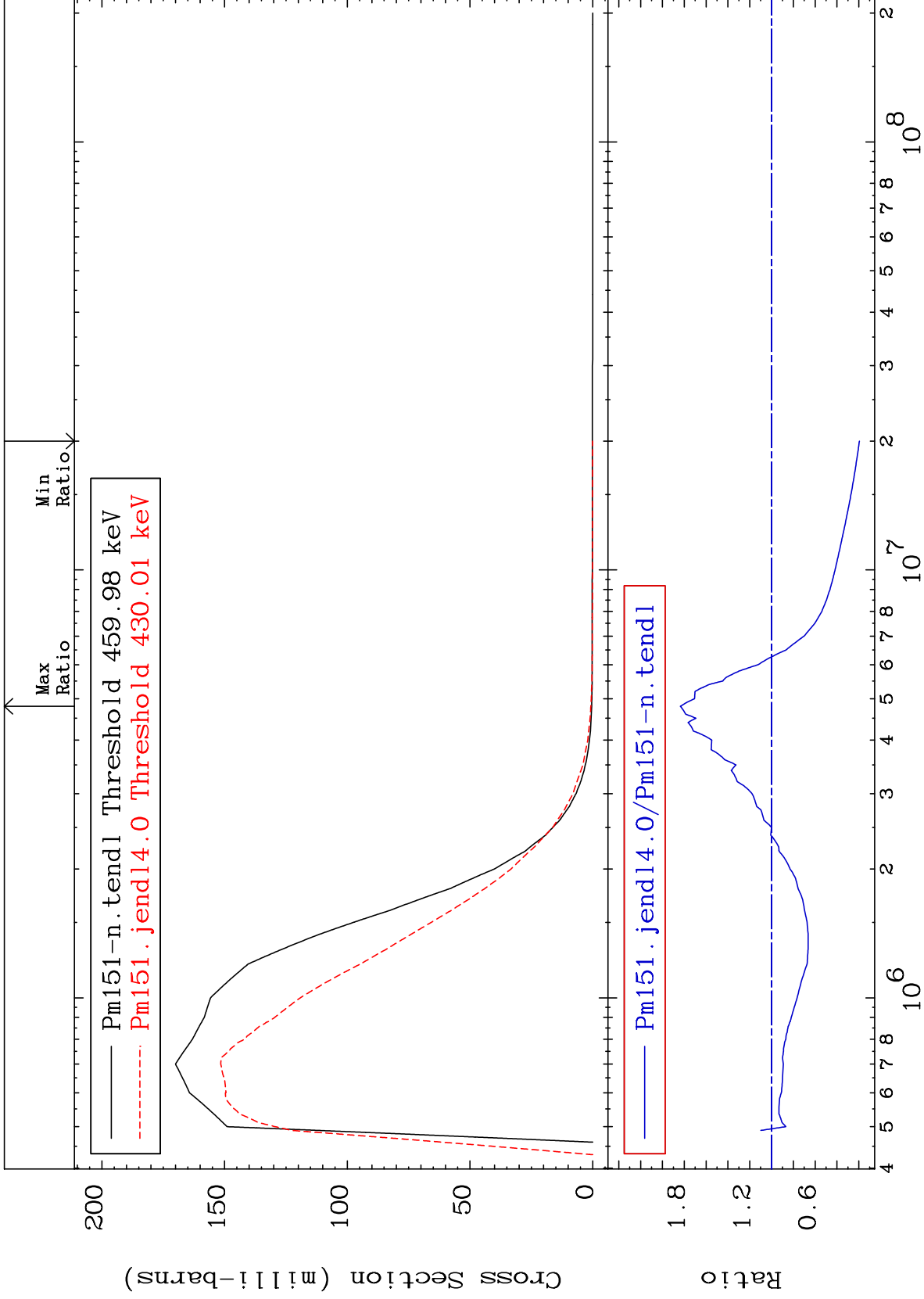
21

61-Pm-151

MAT 6161

456.9 keV (n,n') Level
Cross Section

61-Pm-151
-80.57 To 83.59 %



22

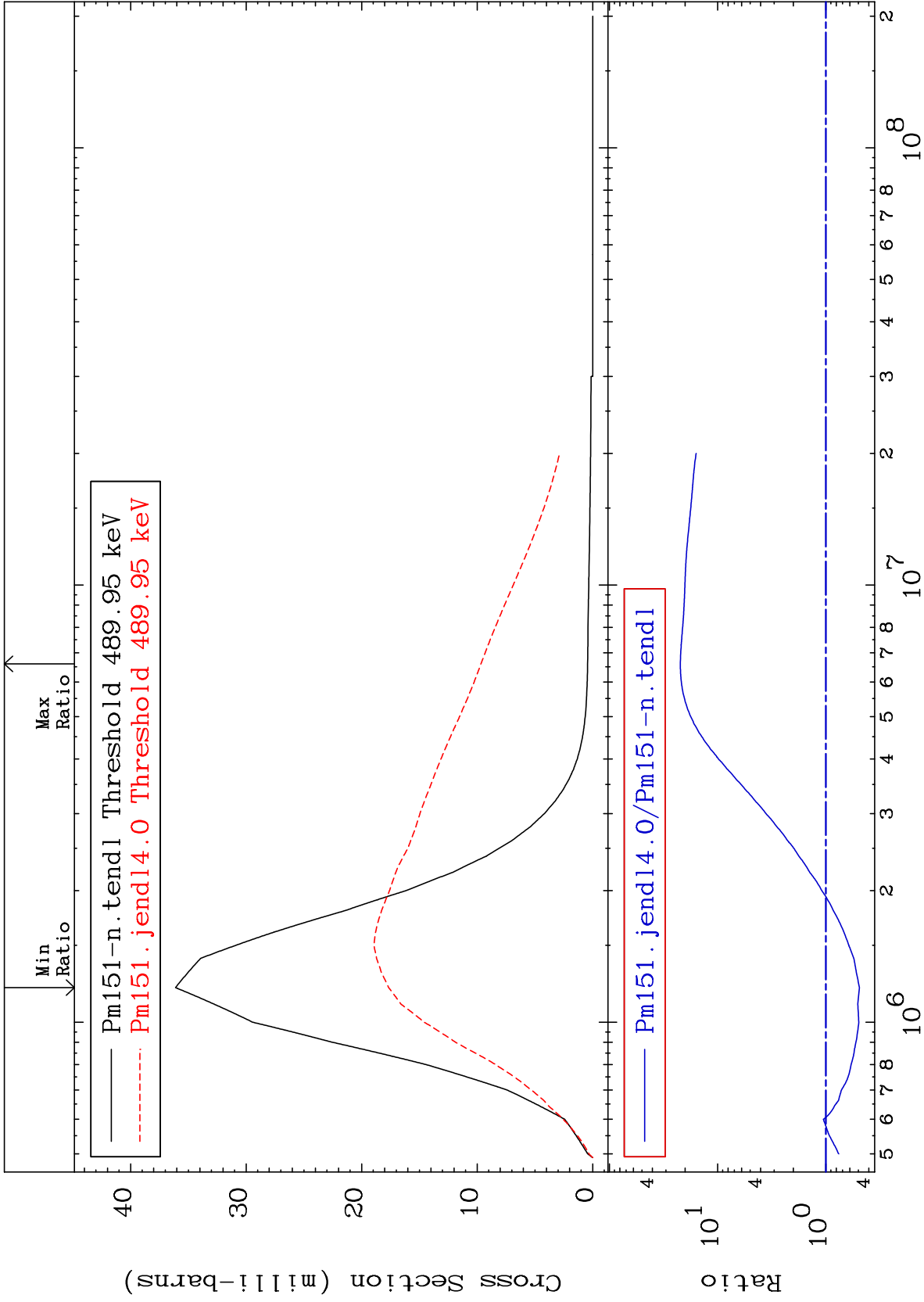
Incident Energy (eV)

61-Pm-151

MAT 6161

486.7 keV (n,n') Level
Cross Section

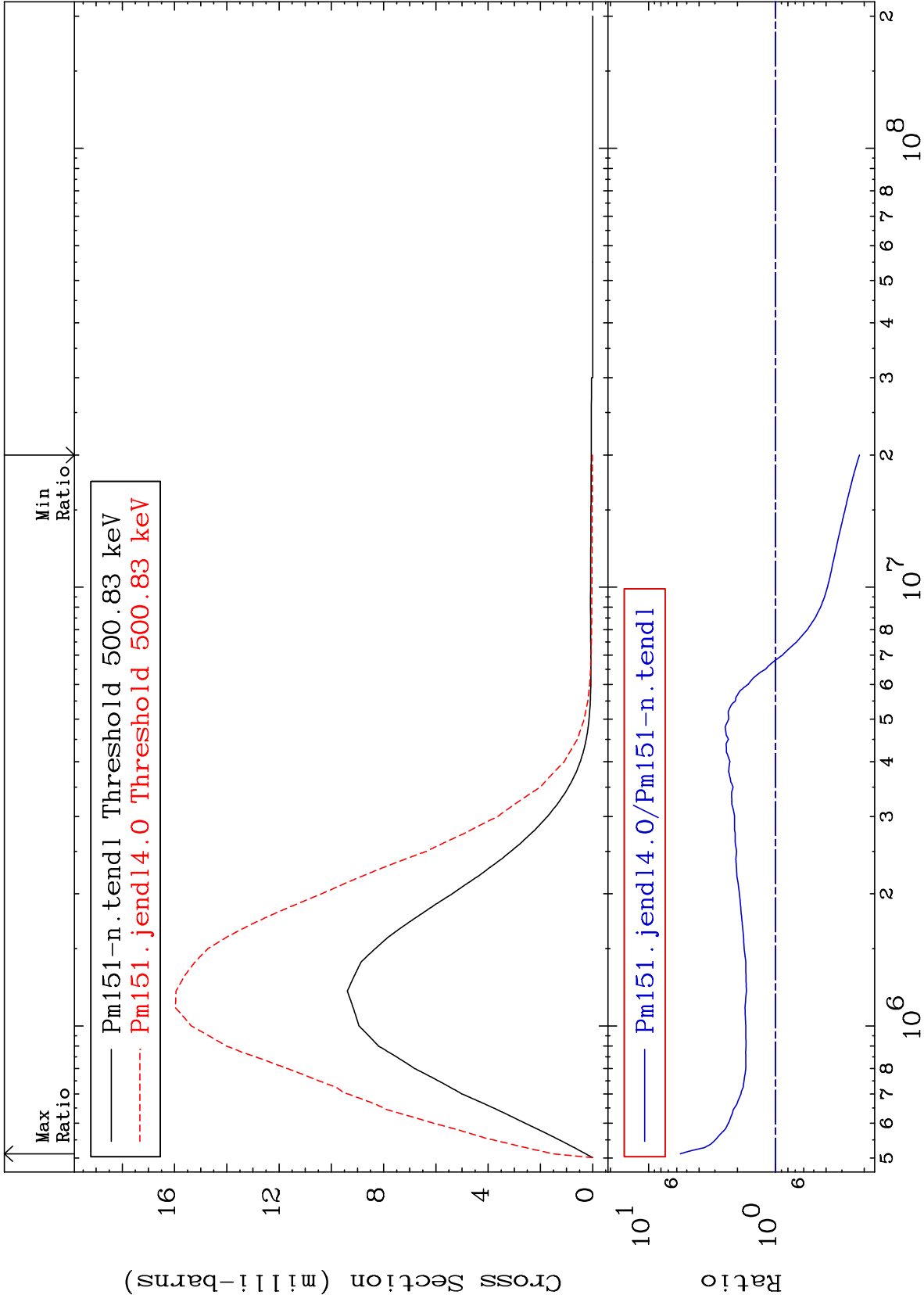
61-Pm-151
-51.10 To 2108. %



MAT 6161

497.5 keV (n,n') Level
Cross Section

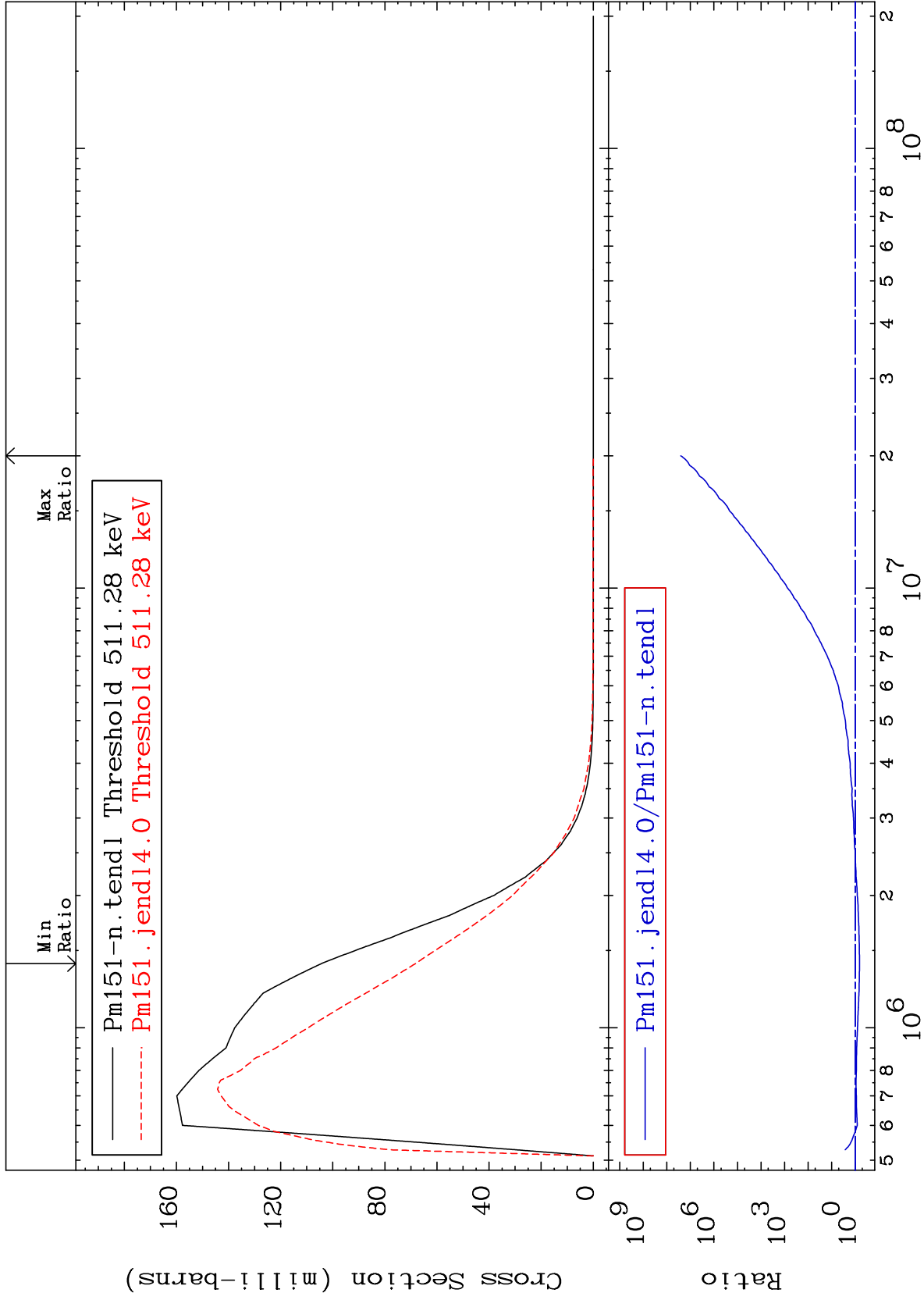
61-Pm-151
-78.17 To 462.6 %



MAT 6161

507.9 keV (n,n') Level
Cross Section

61-Pm-151
-34.63 To 9999. %



25

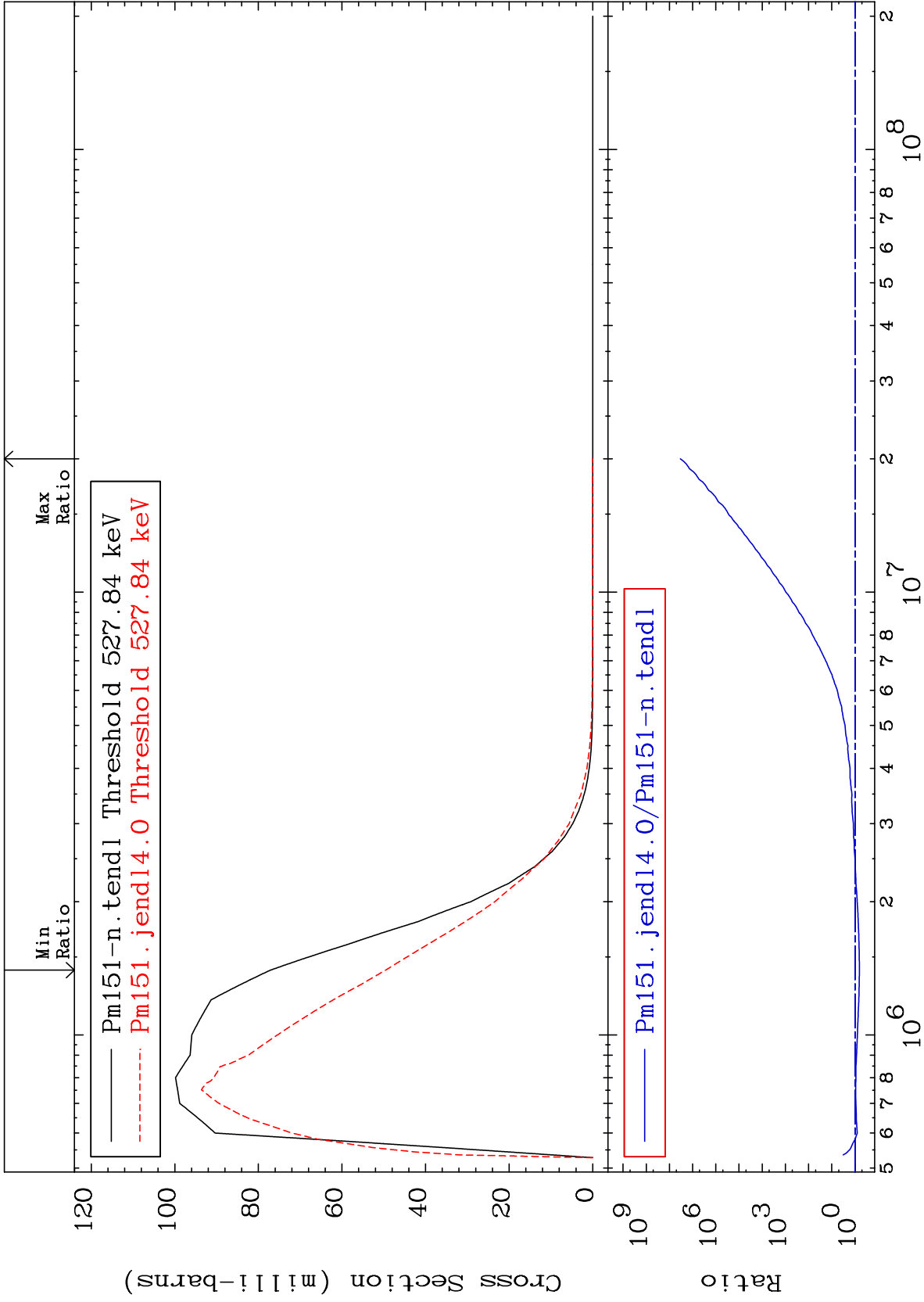
Incident Energy (eV)

61-Pm-151

MAT 6161

524.3 keV (n,n') Level
Cross Section

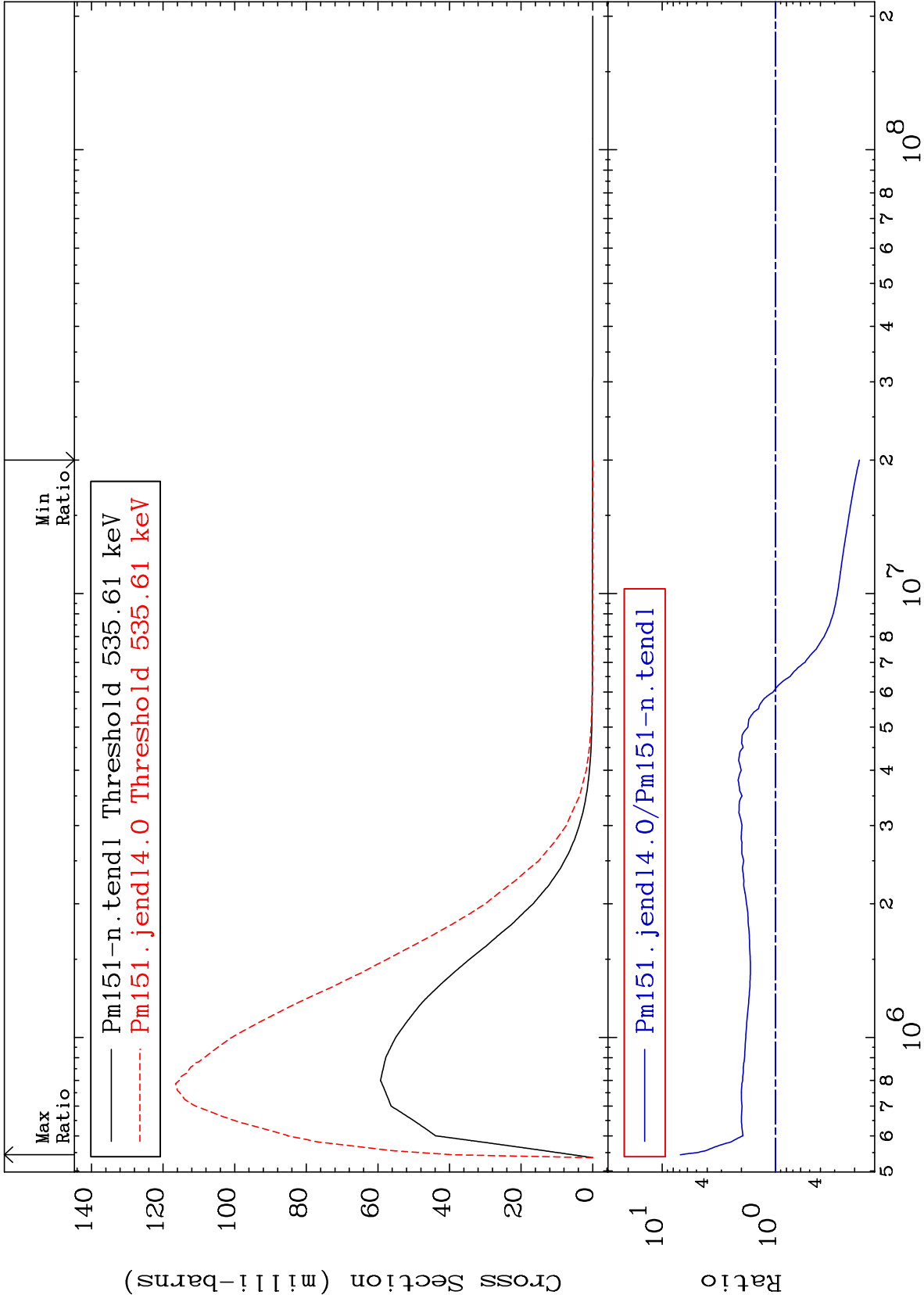
61-Pm-151
-35.77 To 9999. %



MAT 6161

532.1 keV (n,n') Level
Cross Section

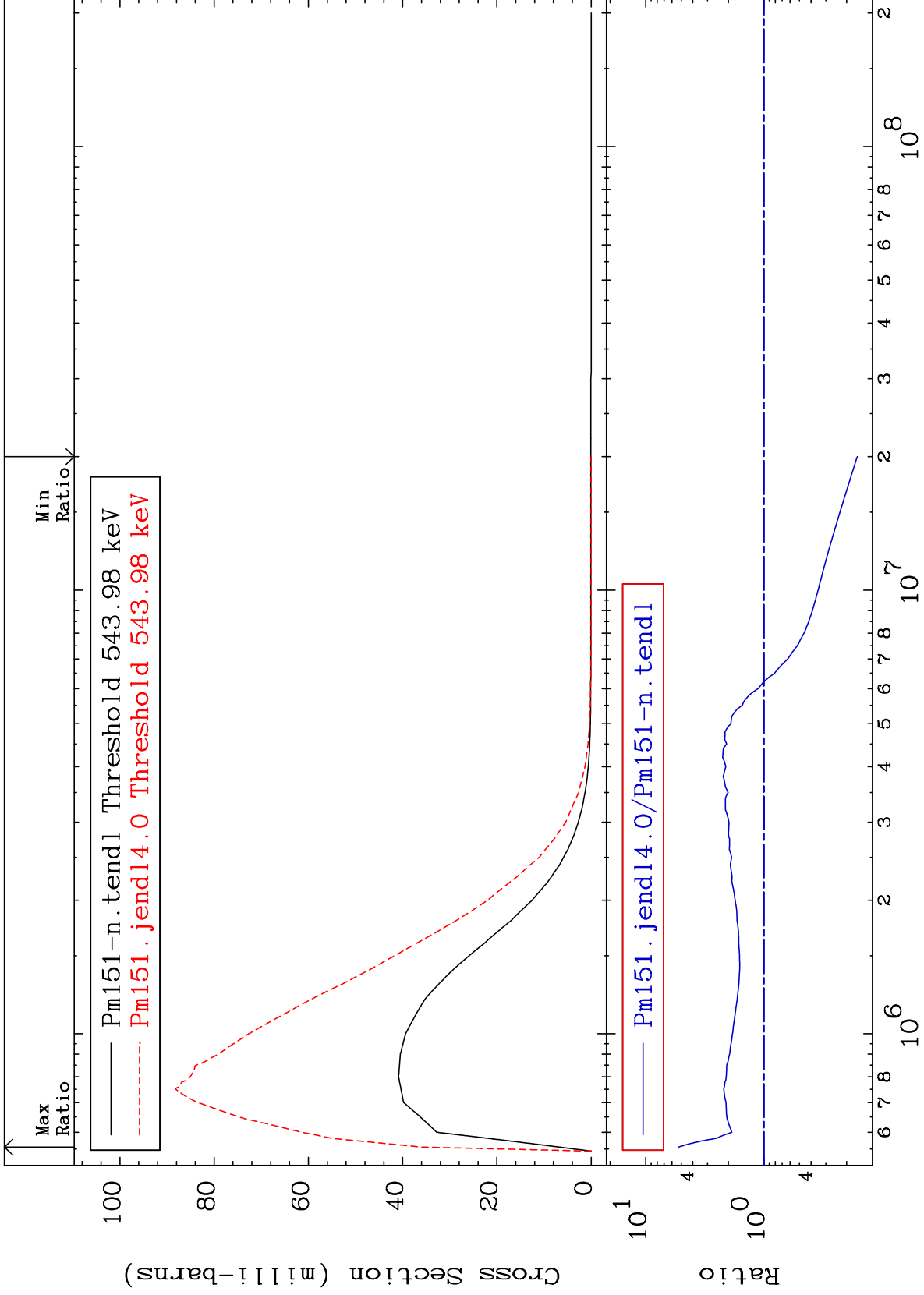
61-Pm-151
-81.88 To 592.0 %



MAT 6161

540.4 keV (n,n') Level
Cross Section

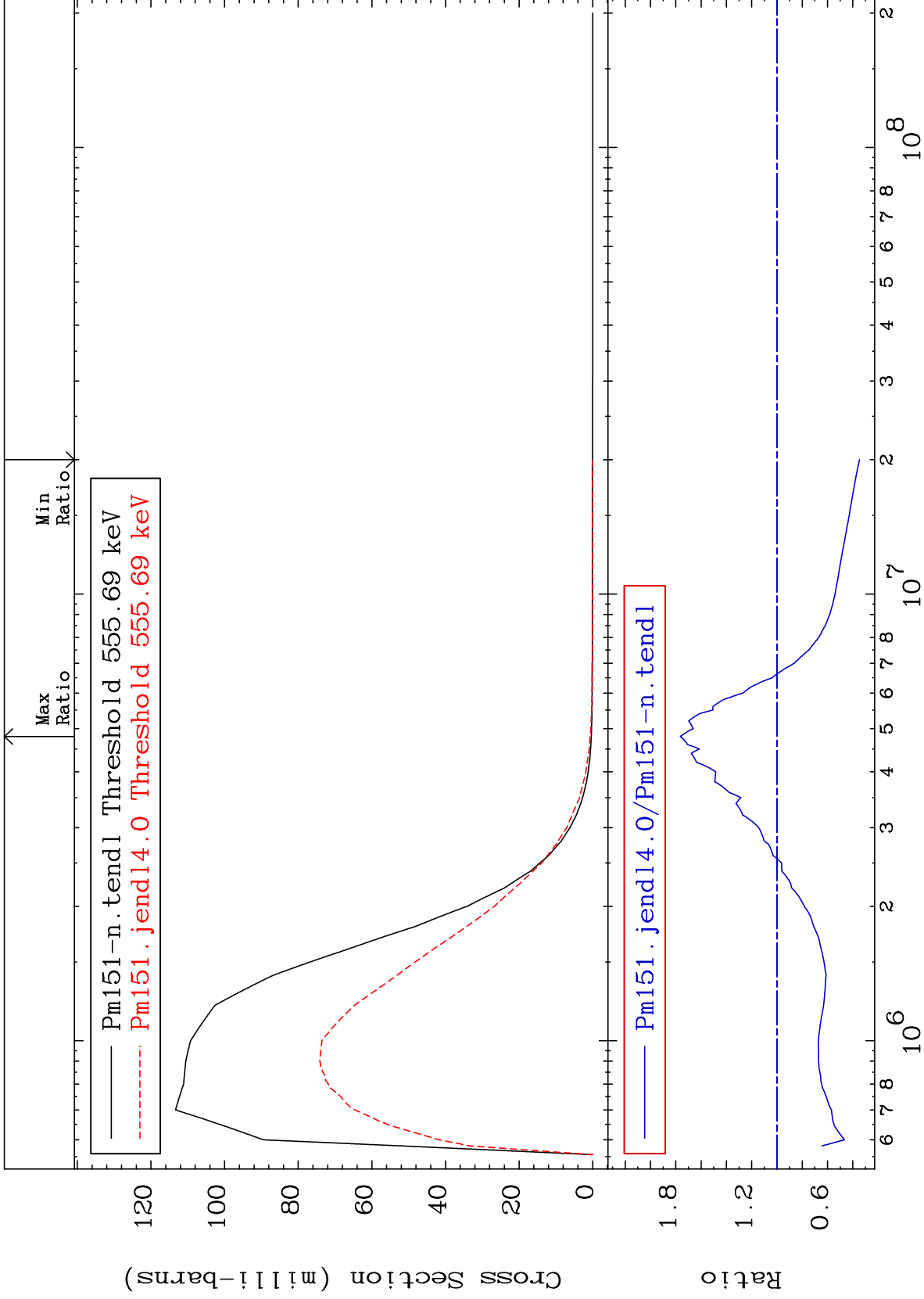
61-Pm-151
-83.76 To 426.8 %



MAT 6161

552.0 keV (n,n') Level
Cross Section

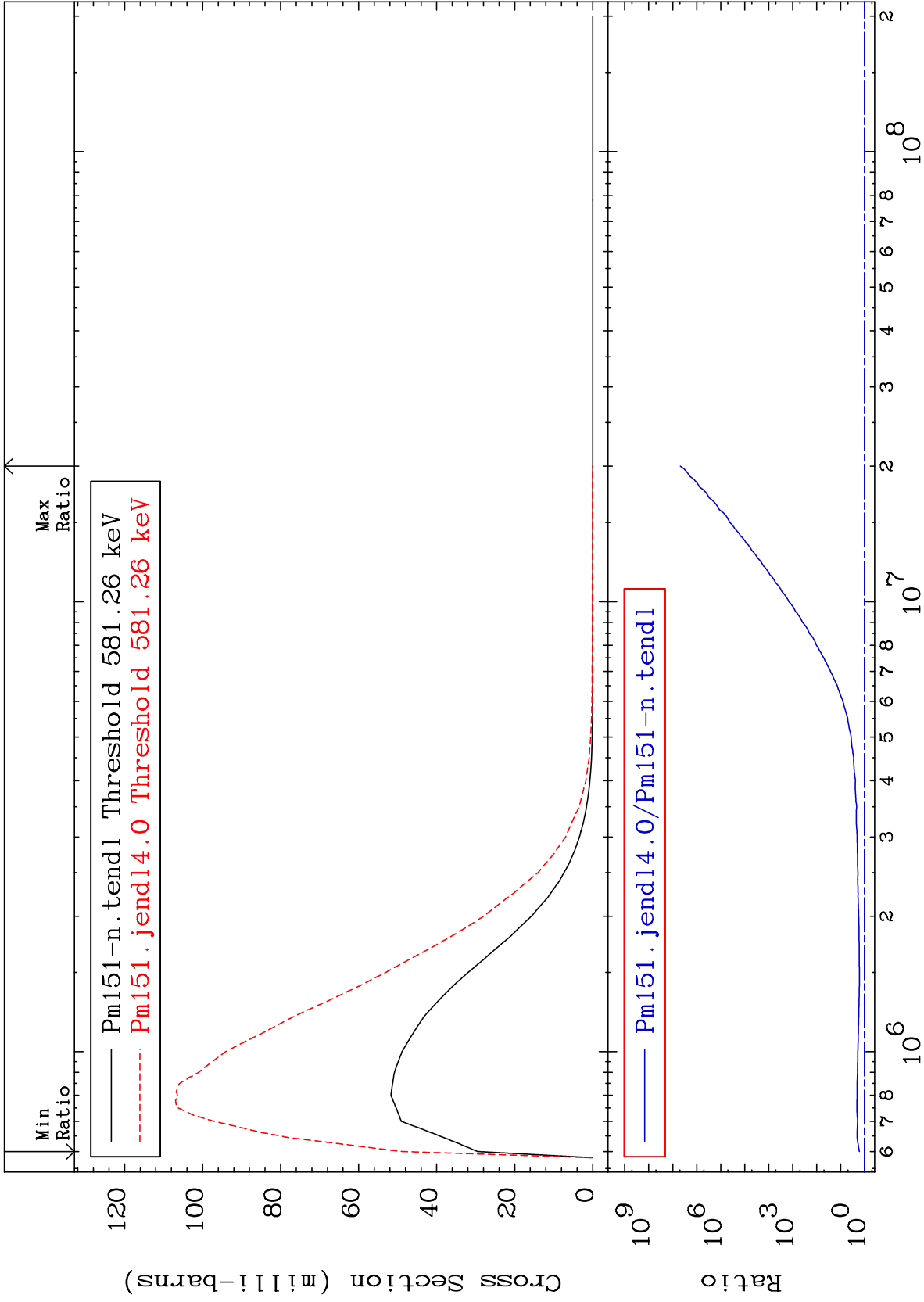
61-Pm-151
-65.21 To 76.37 %



MAT 6161

577.4 keV (n,n') Level
Cross Section

61-Pm-151
65.32 To 9999. %



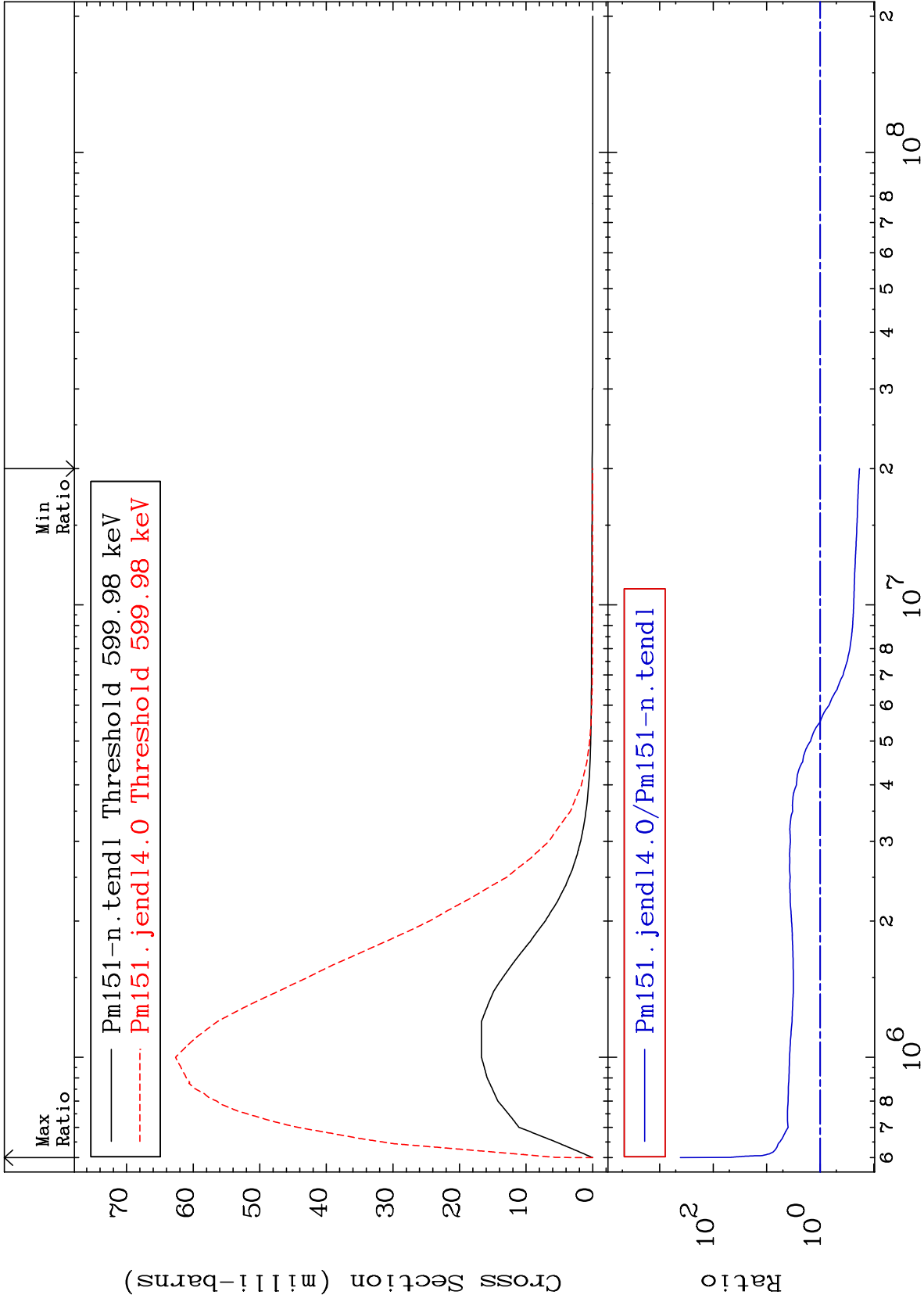
30

61-Pm-151

MAT 6161

596.0 keV (n,n') Level
Cross Section

61-Pm-151
-81.49 To 9999. %



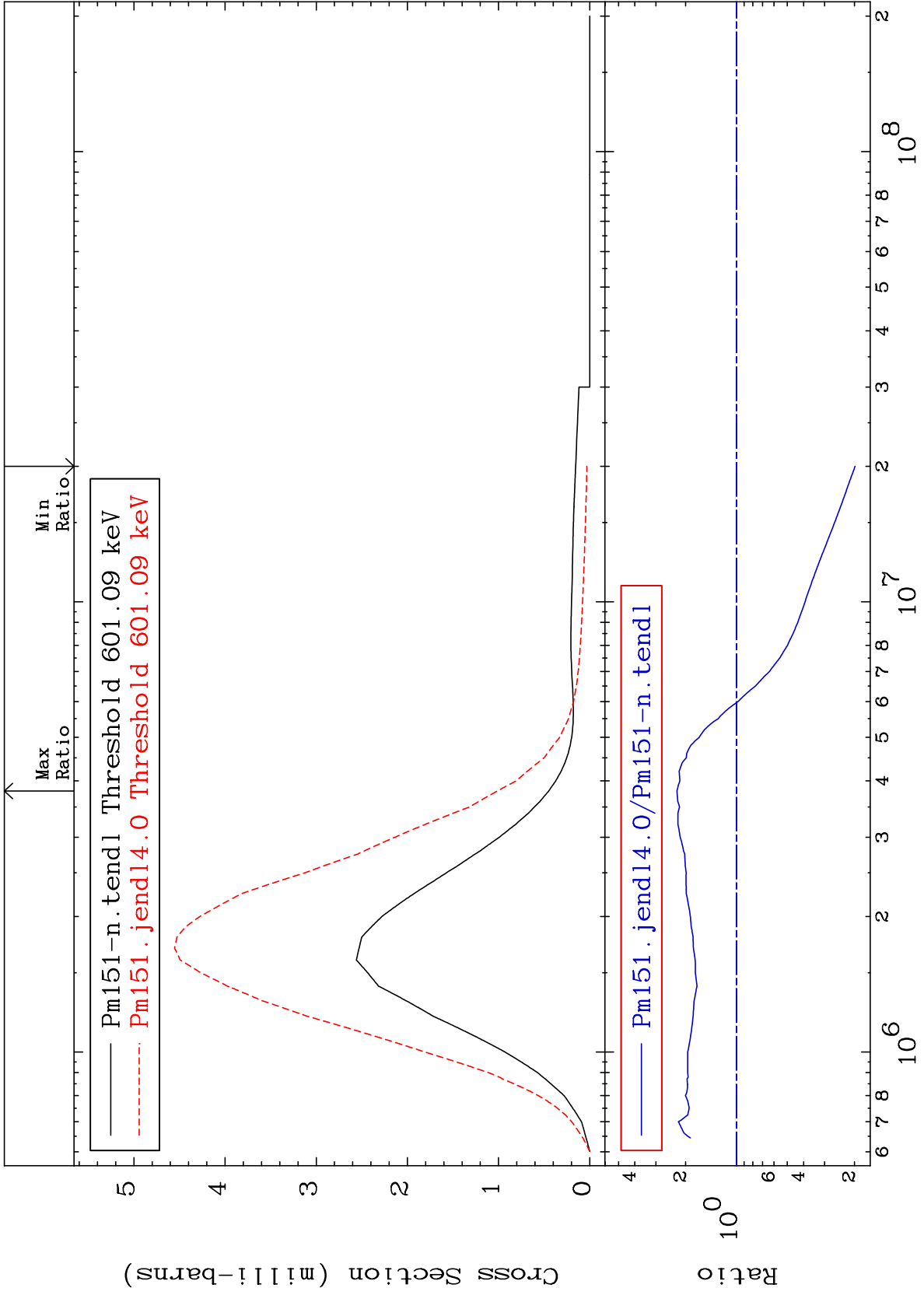
31

61-Pm-151

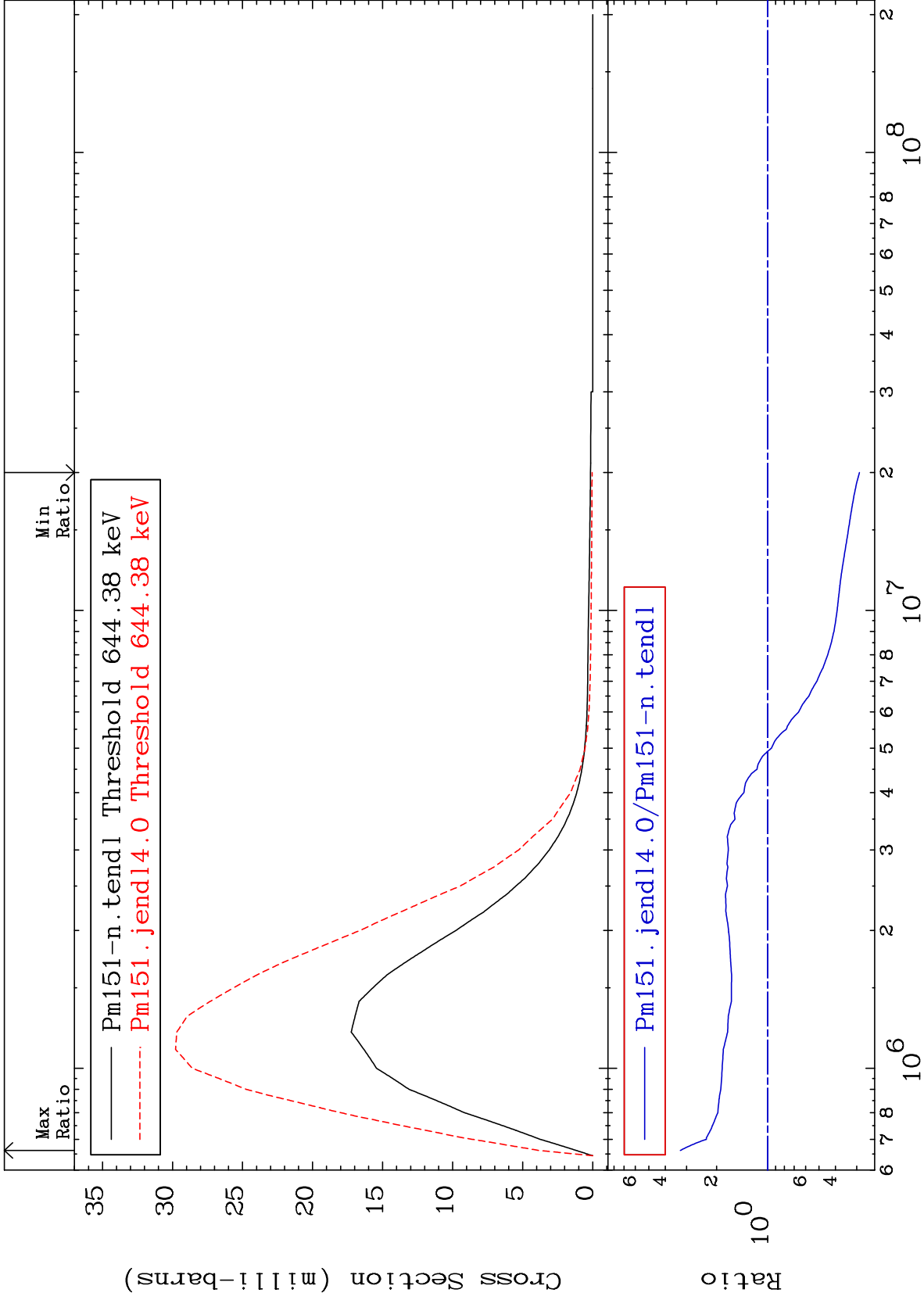
MAT 6161

597.1 keV (n,n') Level
Cross Section

61-Pm-151
-80.19 To 125.3 %



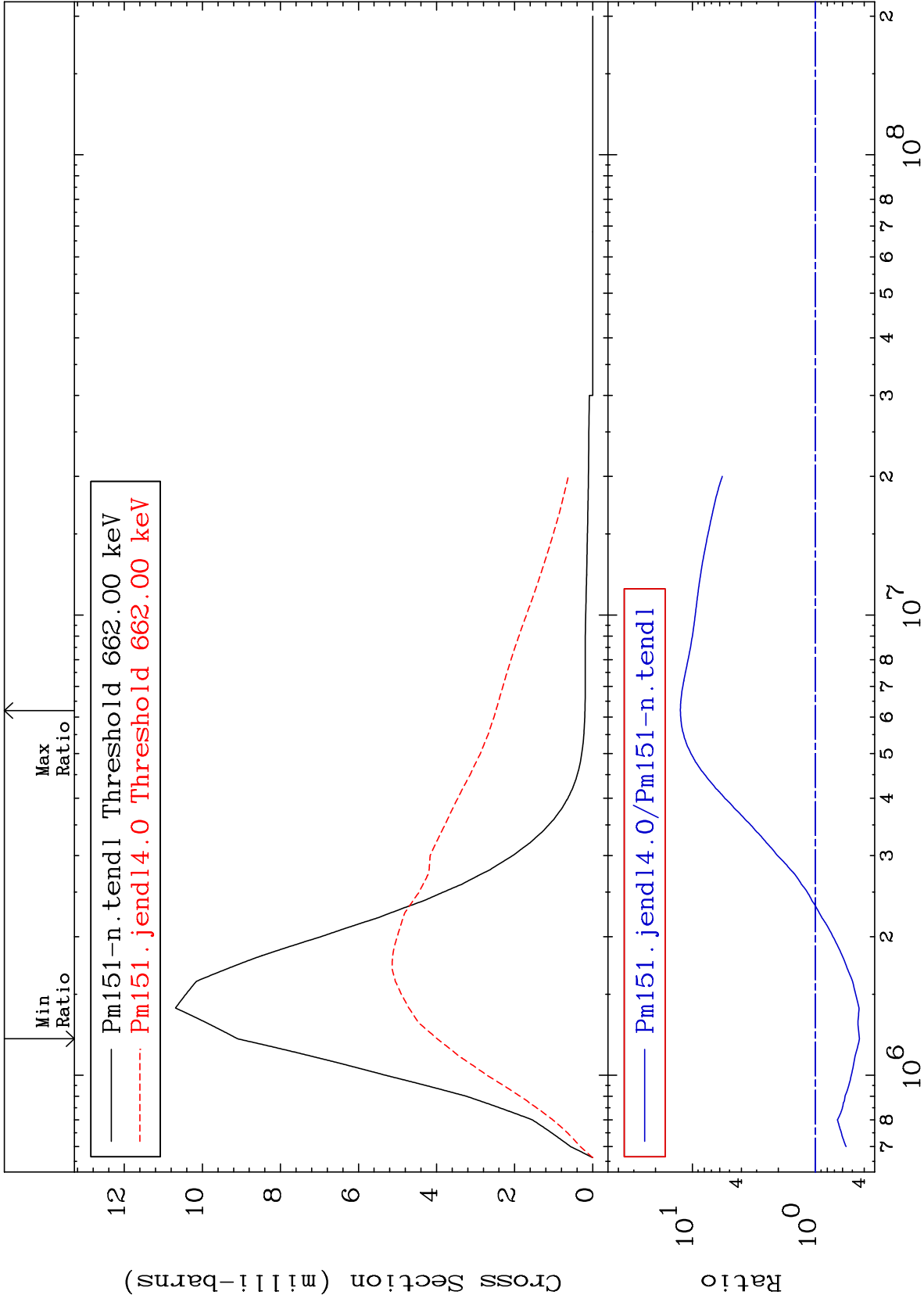
MAT 6161 640.1 keV (n,n') Level 61-Pm-151
 Cross Section -71.06 To 226.2 %



MAT 6161

657.6 keV (n,n') Level
Cross Section

61-Pm-151
-56.21 To 1153. %



34

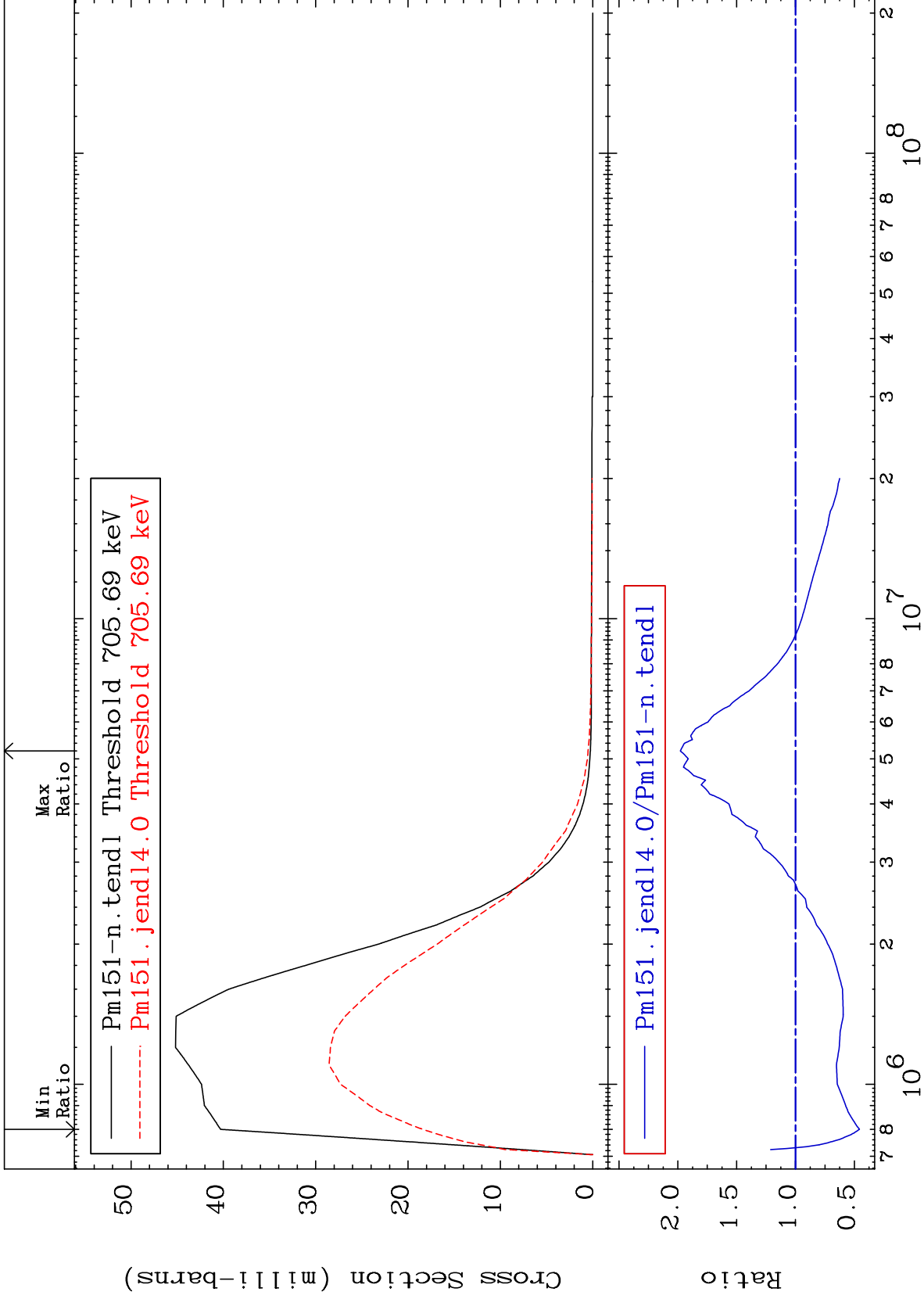
Incident Energy (eV)

61-Pm-151

MAT 6161

701.0 keV (n,n') Level
Cross Section

61-Pm-151
-54.33 To 97.89 %



35

Incident Energy (eV)

61-Pm-151

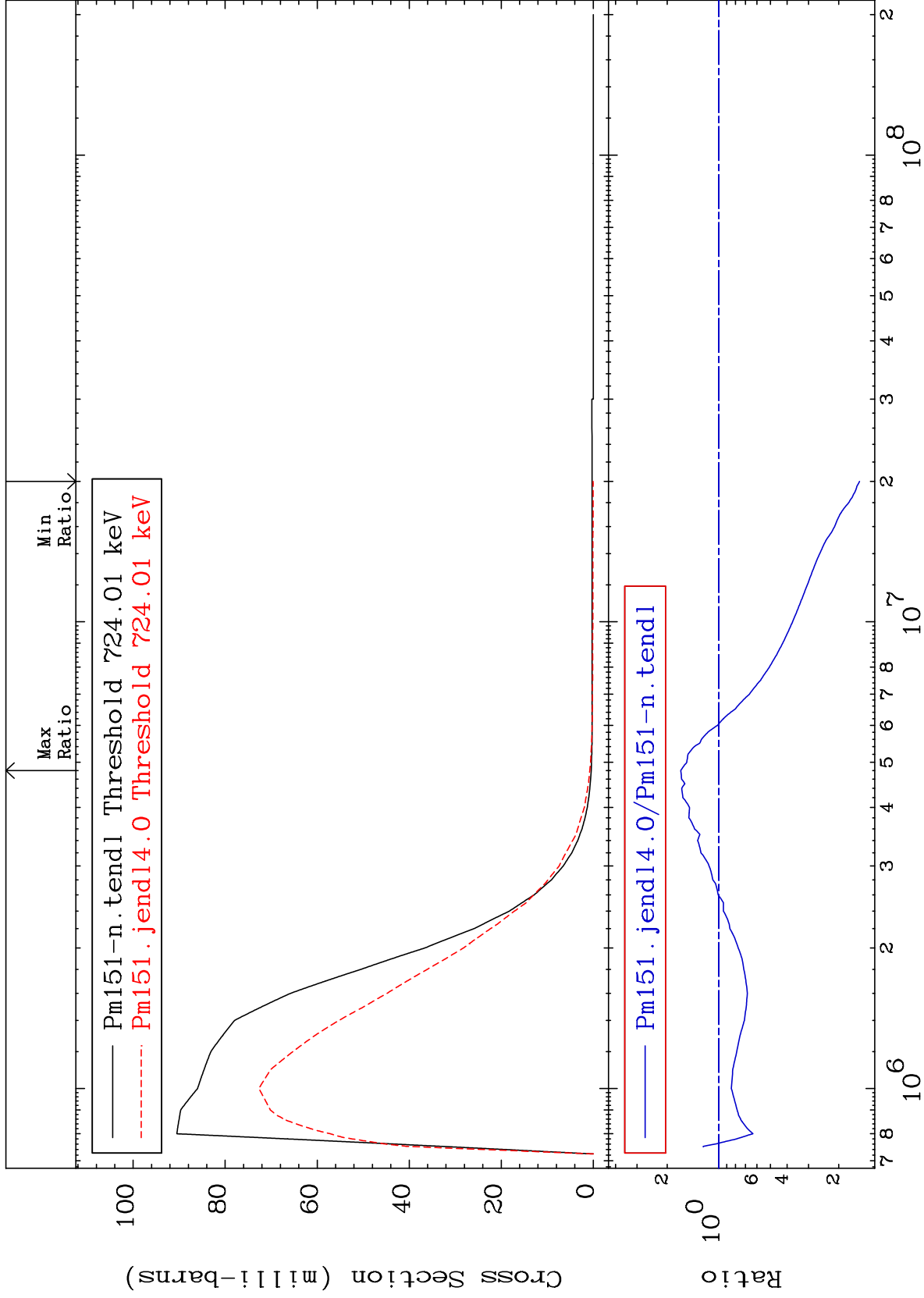
MAT 6161

719.2 keV (n,n') Level

61-Pm-151

-84.88 To 66.64 %

Cross Section



36

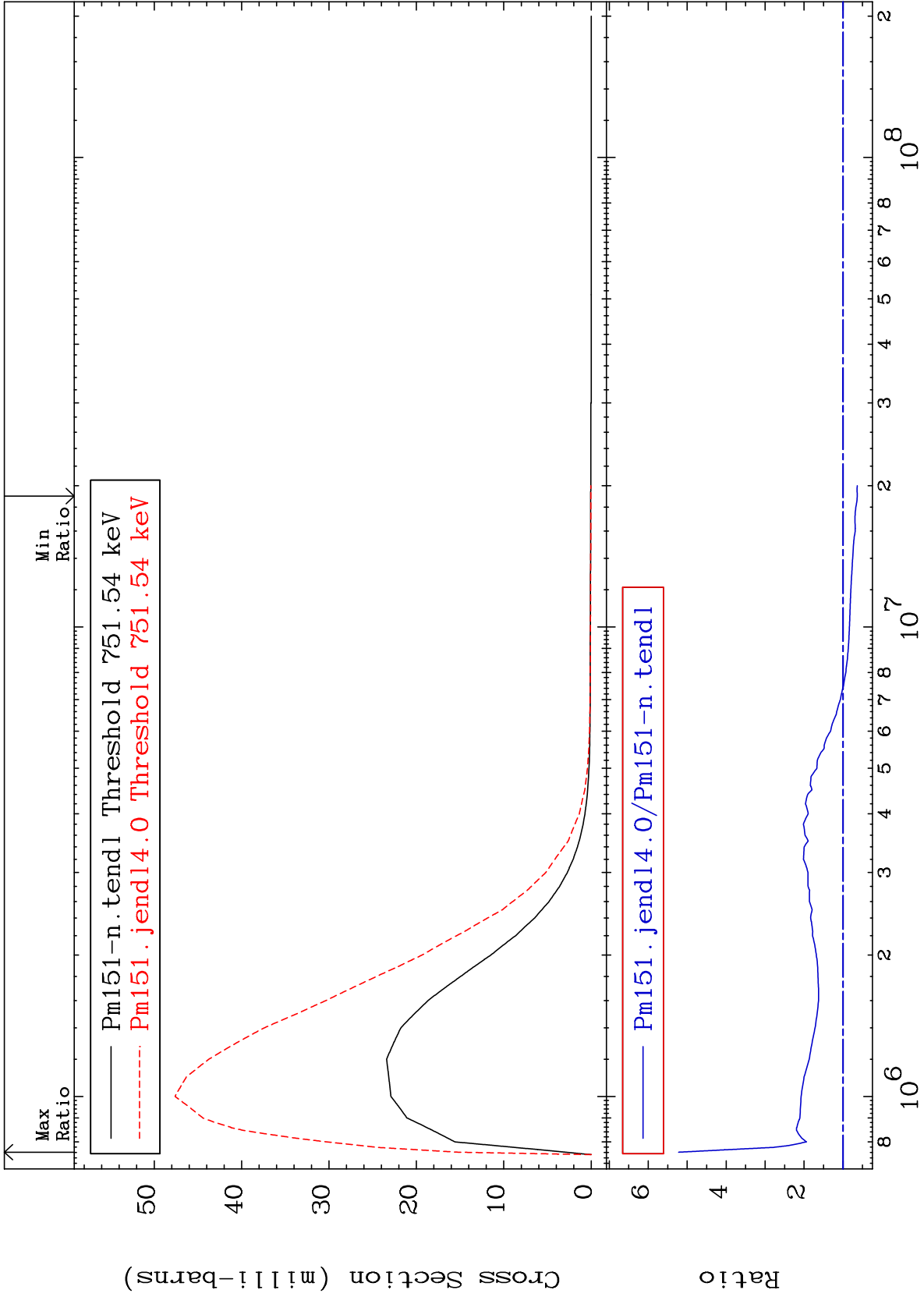
Incident Energy (eV)

61-Pm-151

MAT 6161

746.6 keV (n,n') Level
Cross Section

61-Pm-151
-36.43 To 421.9 %



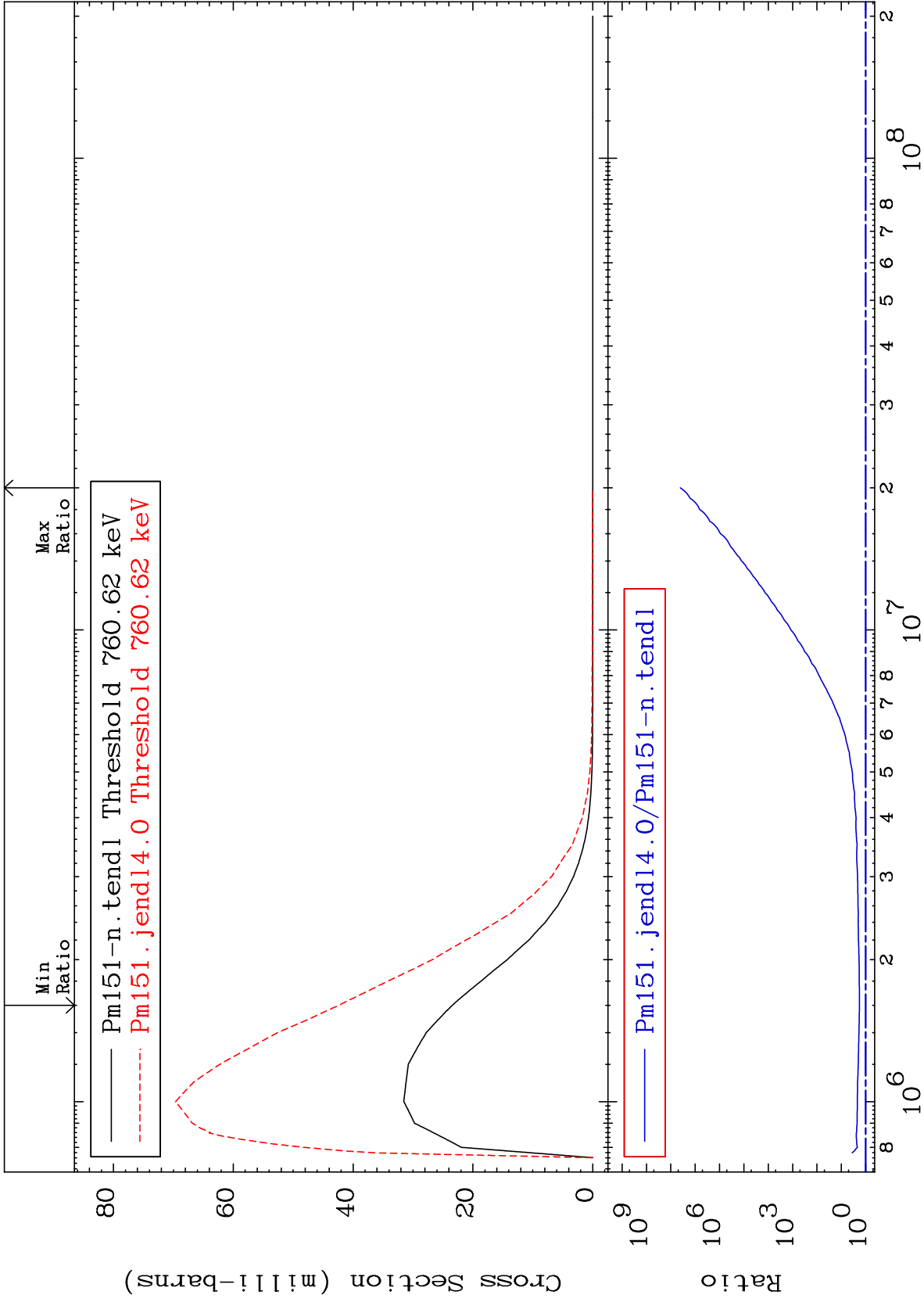
37

61-Pm-151

MAT 6161

755.6 keV (n,n') Level
Cross Section

61-Pm-151
80.73 To 9999. %



38

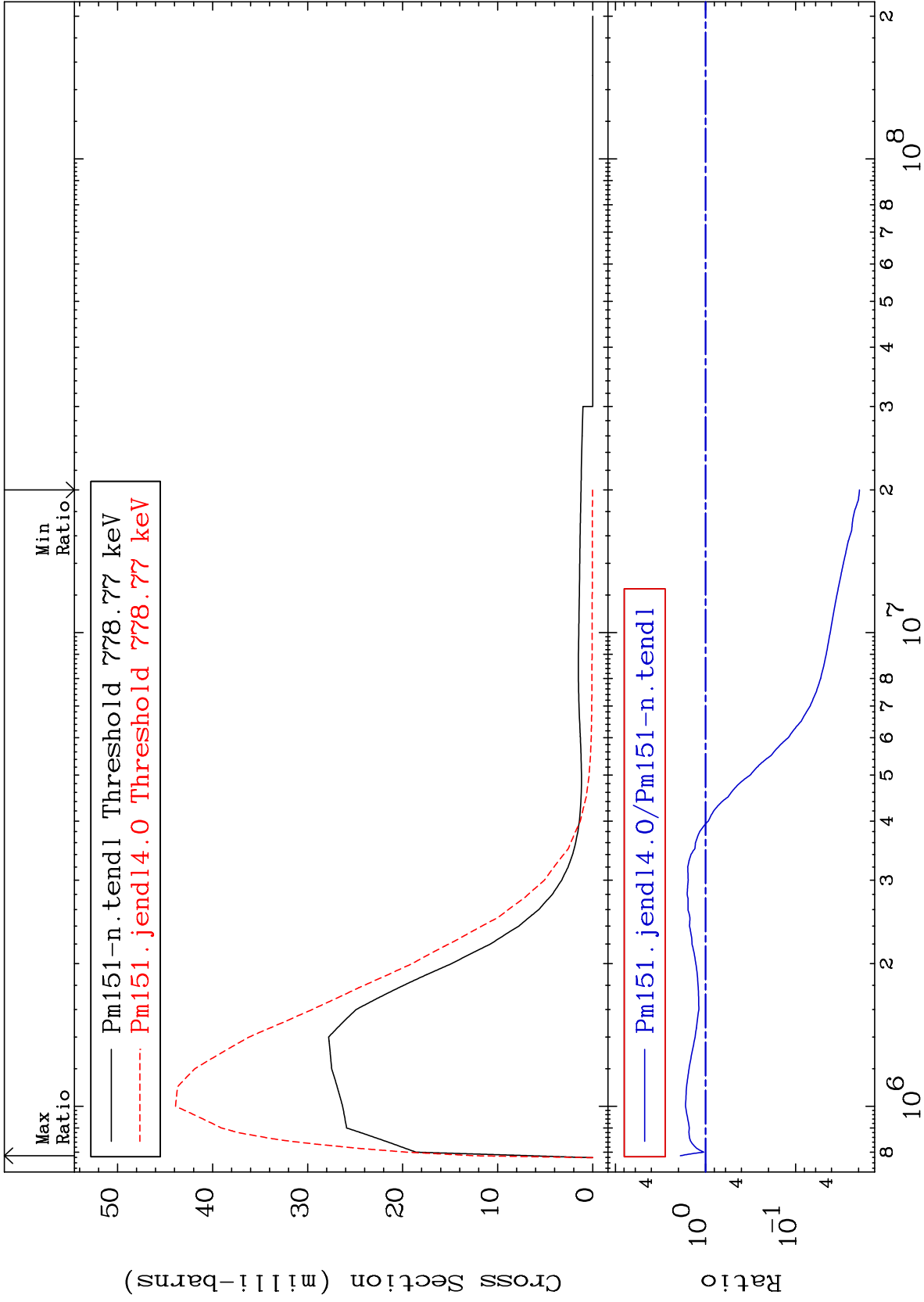
Incident Energy (eV)

61-Pm-151

MAT 6161

773.6 keV (n,n') Level
Cross Section

61-Pm-151
-98.04 To 90.00 %



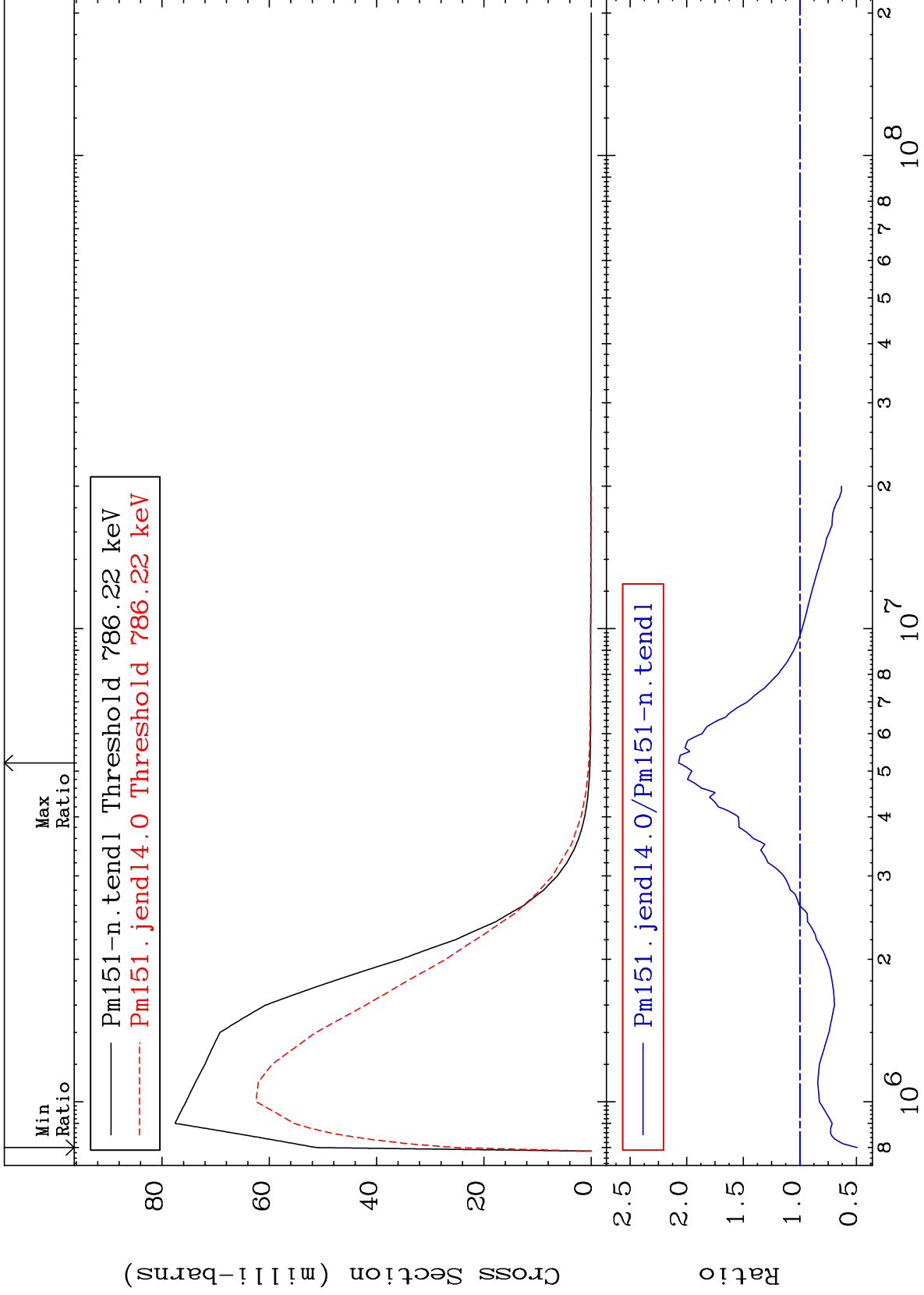
39

61-Pm-151

MAT 6161

781.0 keV (n,n') Level
Cross Section

61-Pm-151
-50.82 To 107.1 %



40

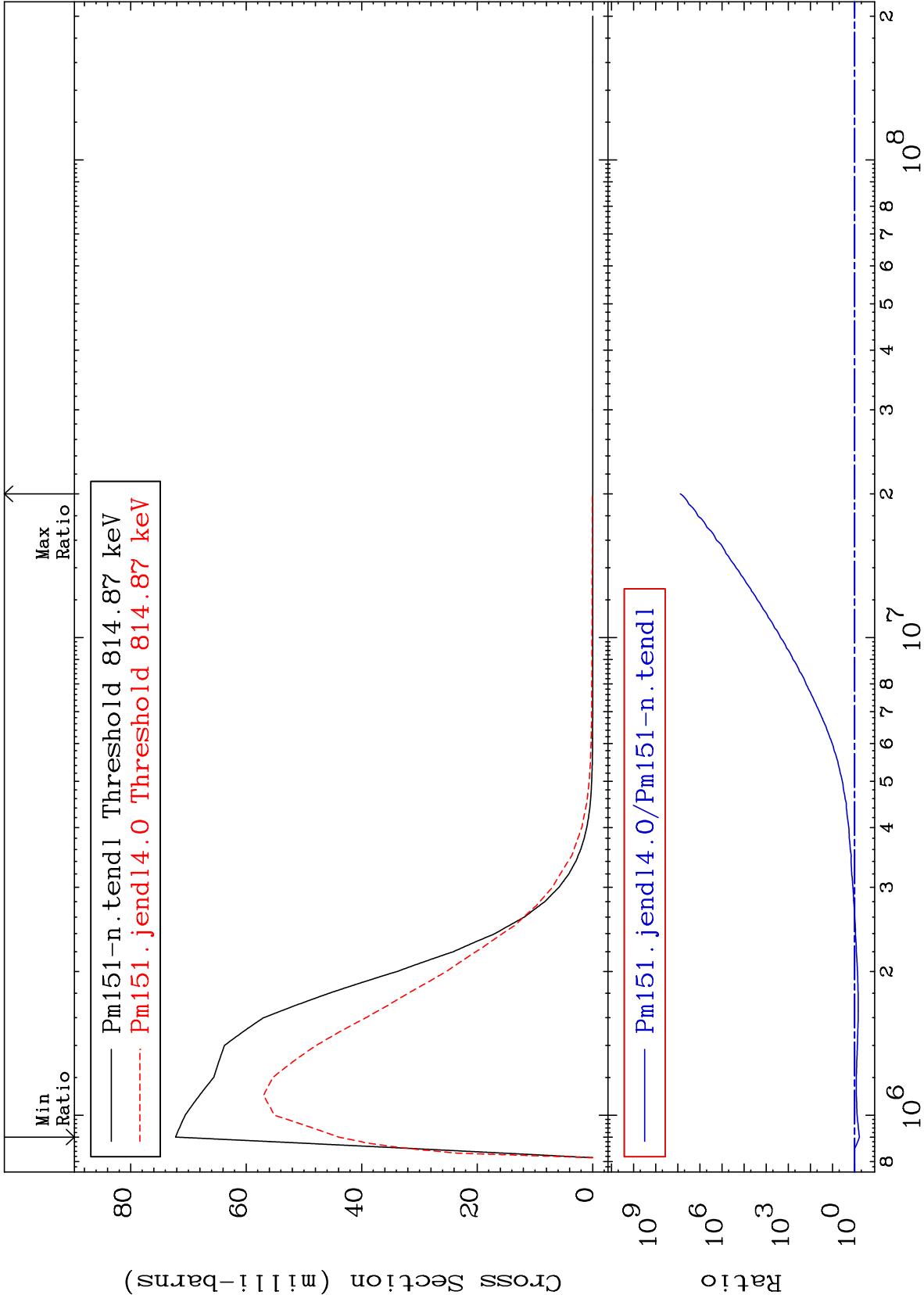
Incident Energy (eV)

61-Pm-151

MAT 6161

809.5 keV (n,n') Level
Cross Section

61-Pm-151
-39.12 To 9999. %



41

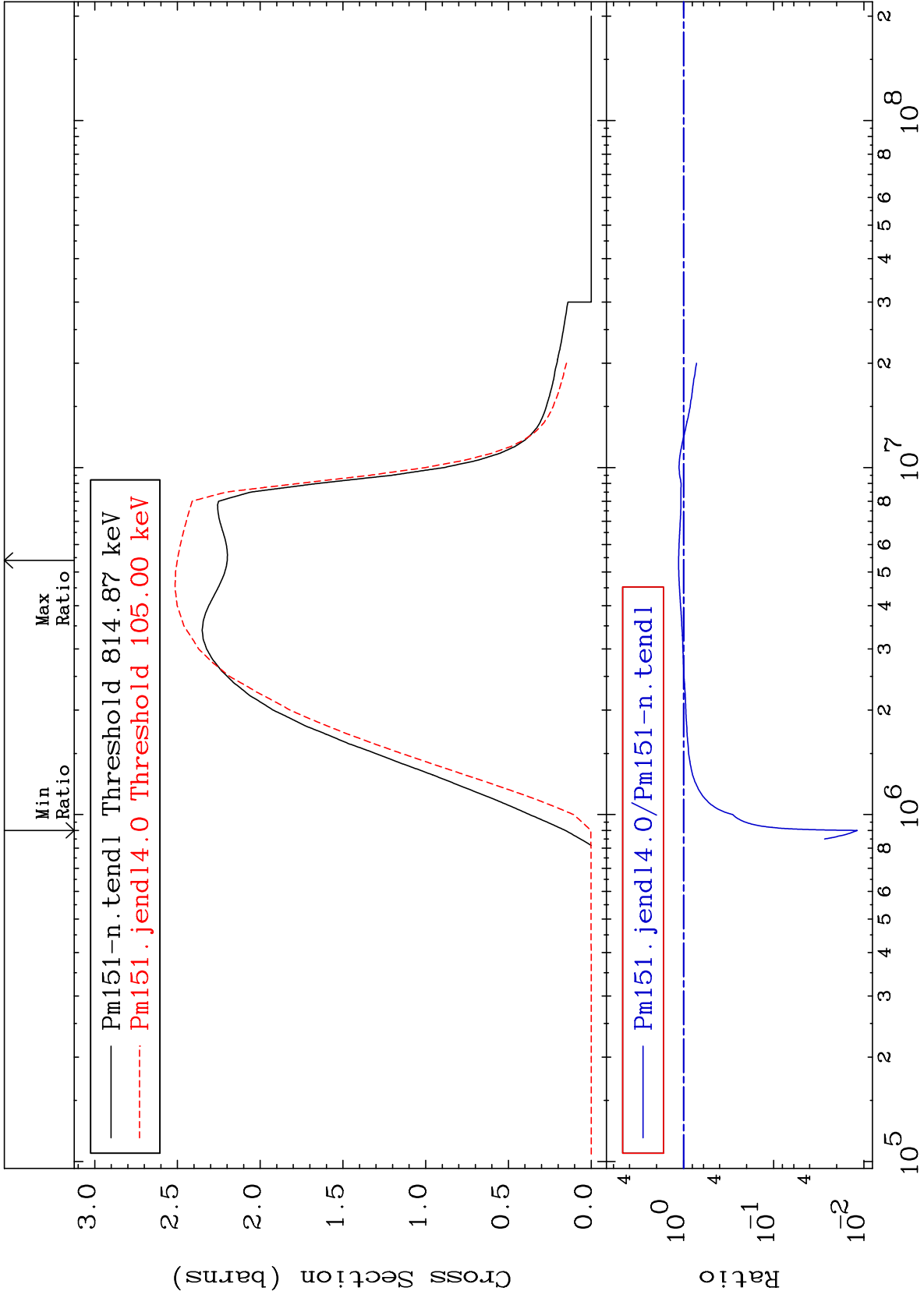
Incident Energy (eV)

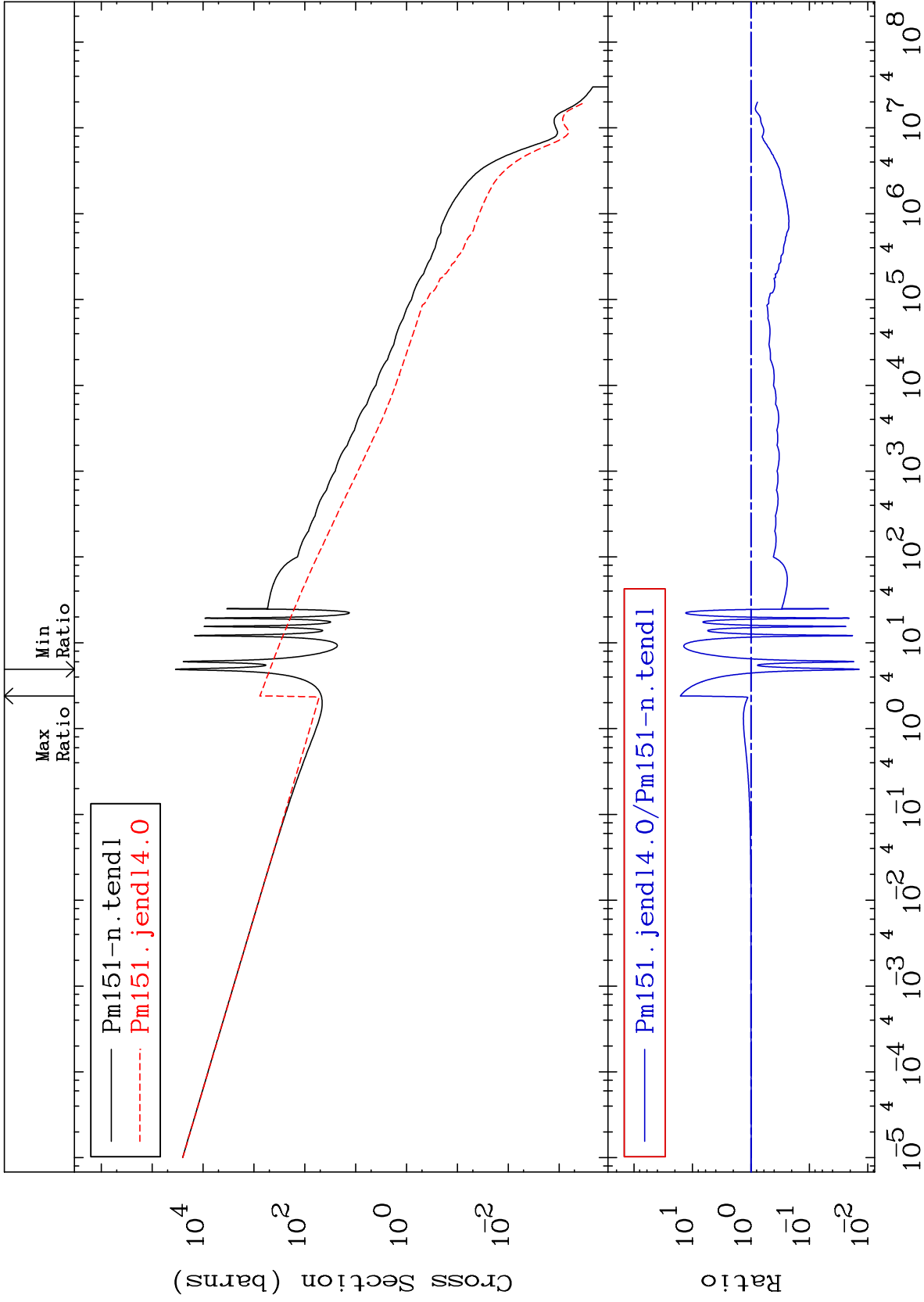
61-Pm-151

MAT 6161

(n, n') Continuum
Cross Section

61-Pm-151
-98.82 To 13.73 %





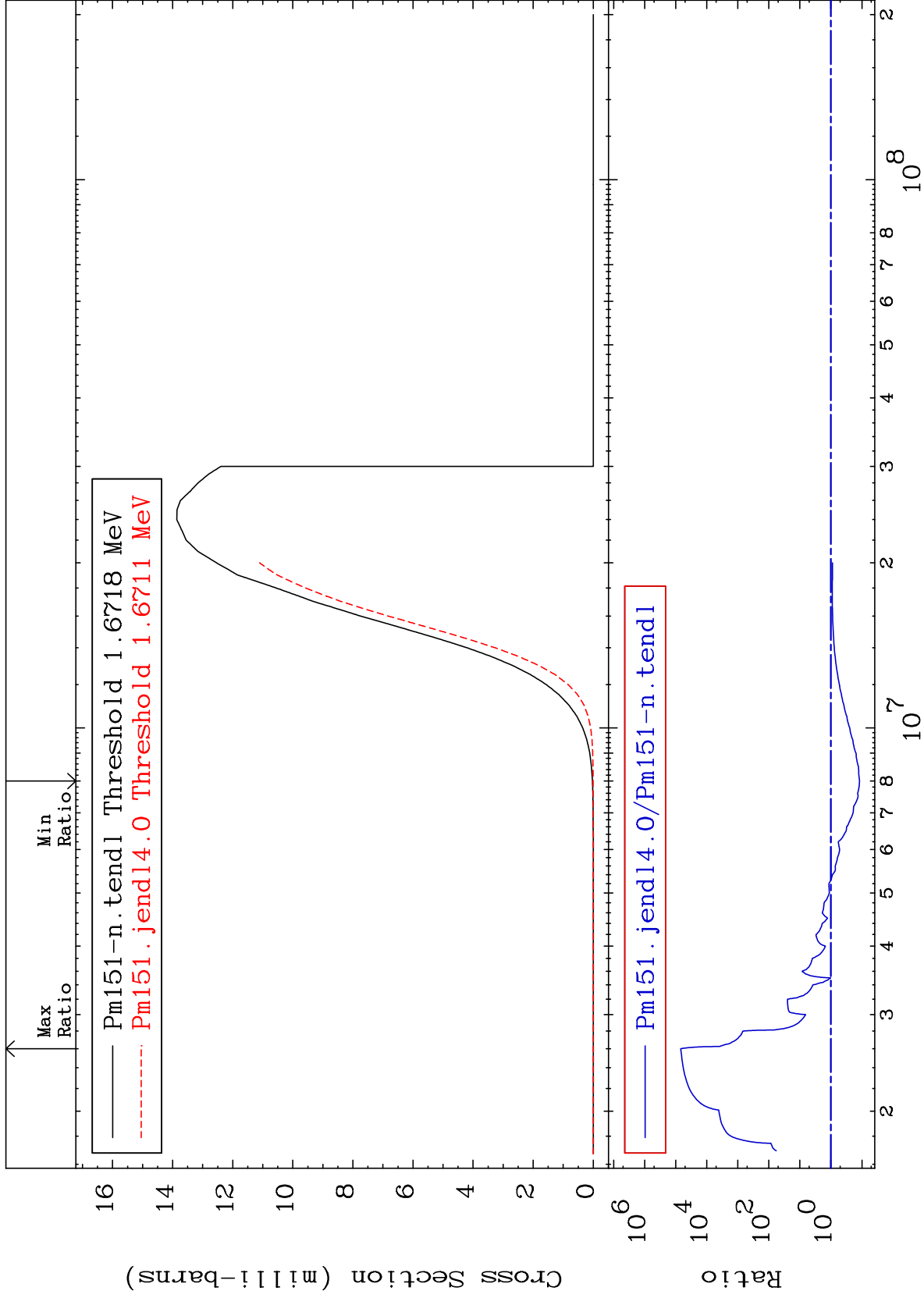
MAT 6161

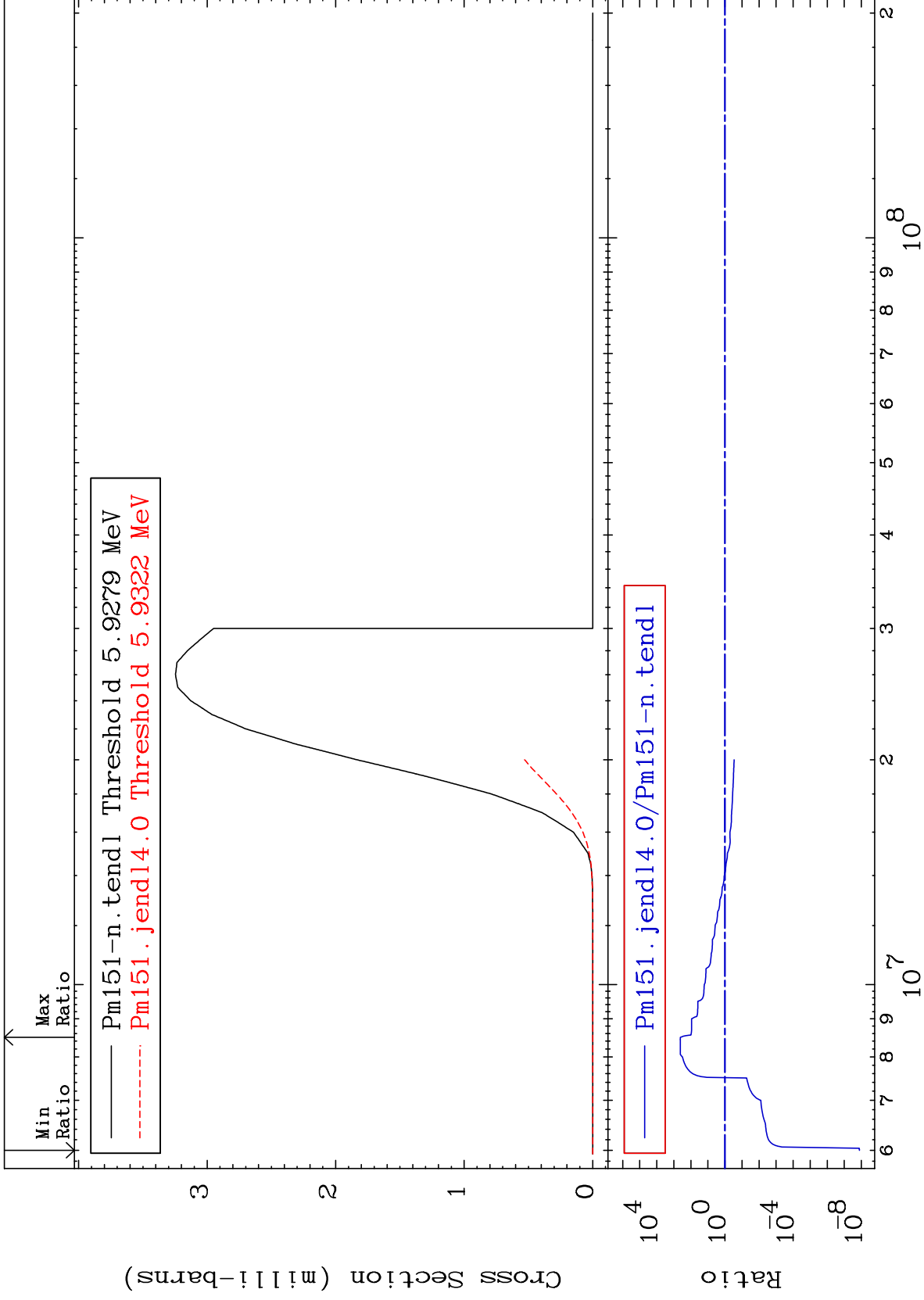
(n,p)

61-Pm-151

Cross Section

-88.06 To 9999. %





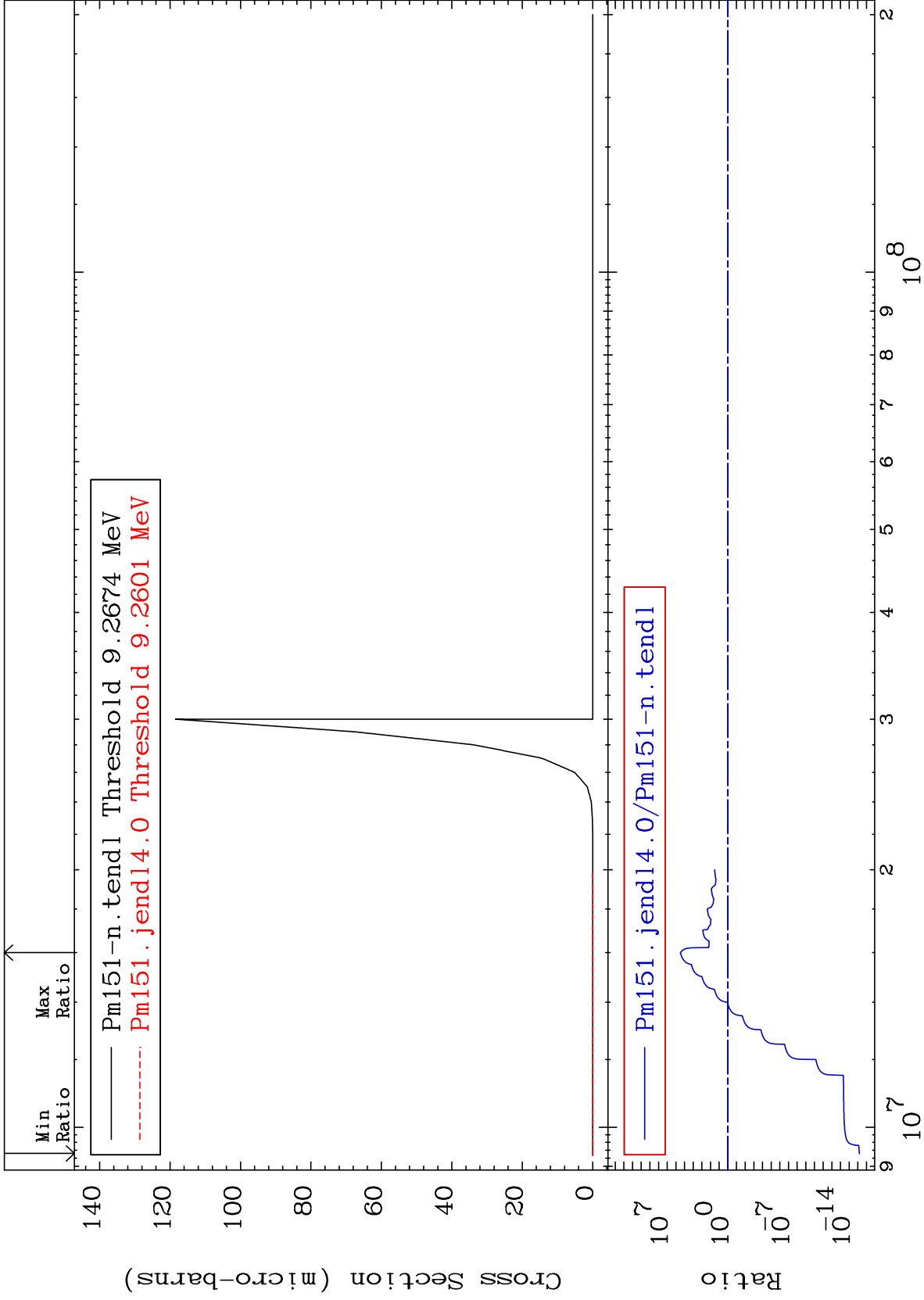
MAT 6161

(n, He-3)

61-Pm-151

Cross Section

-100.0 To 9999. %



47

Incident Energy (eV)

61-Pm-151

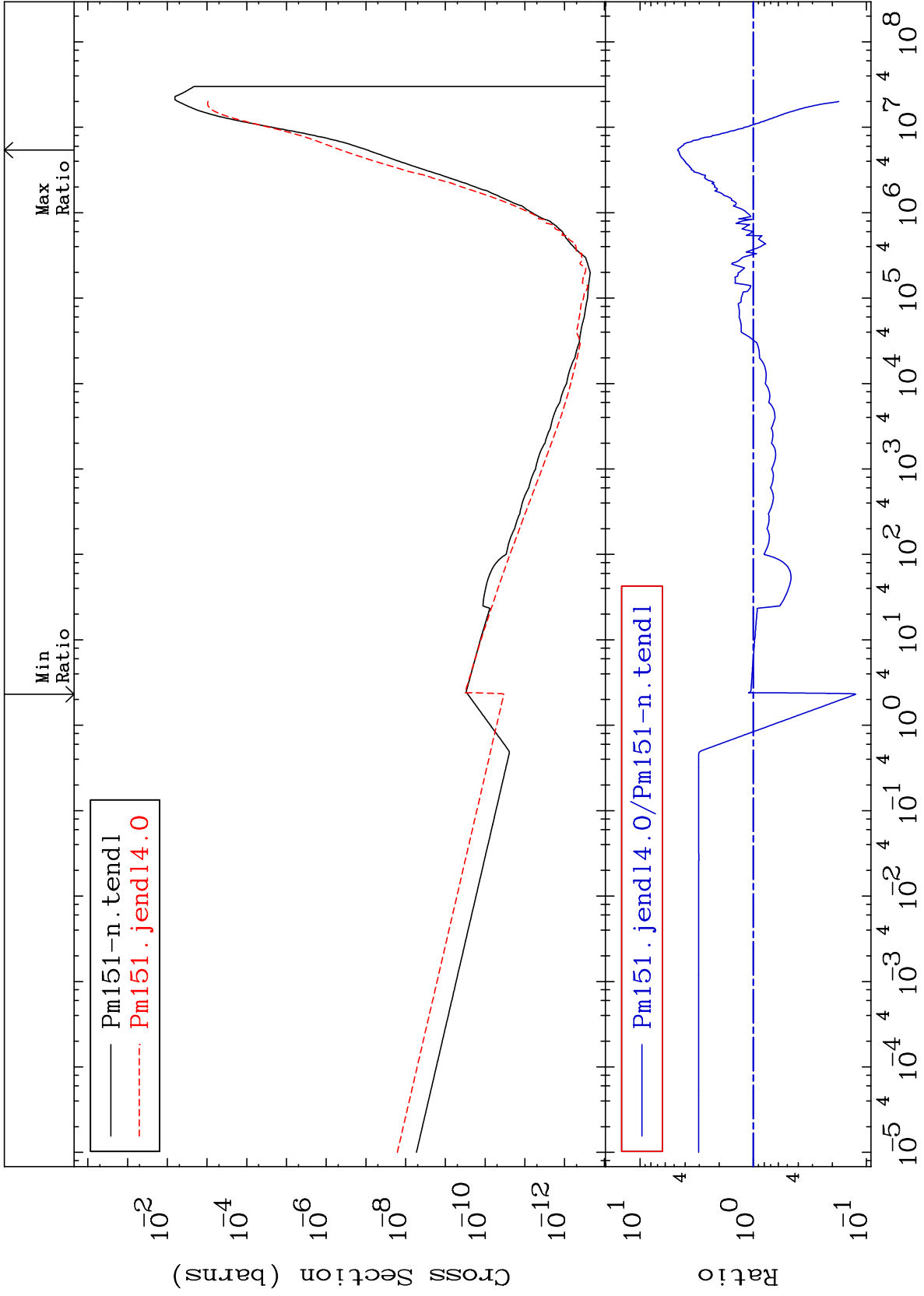
MAT 6161

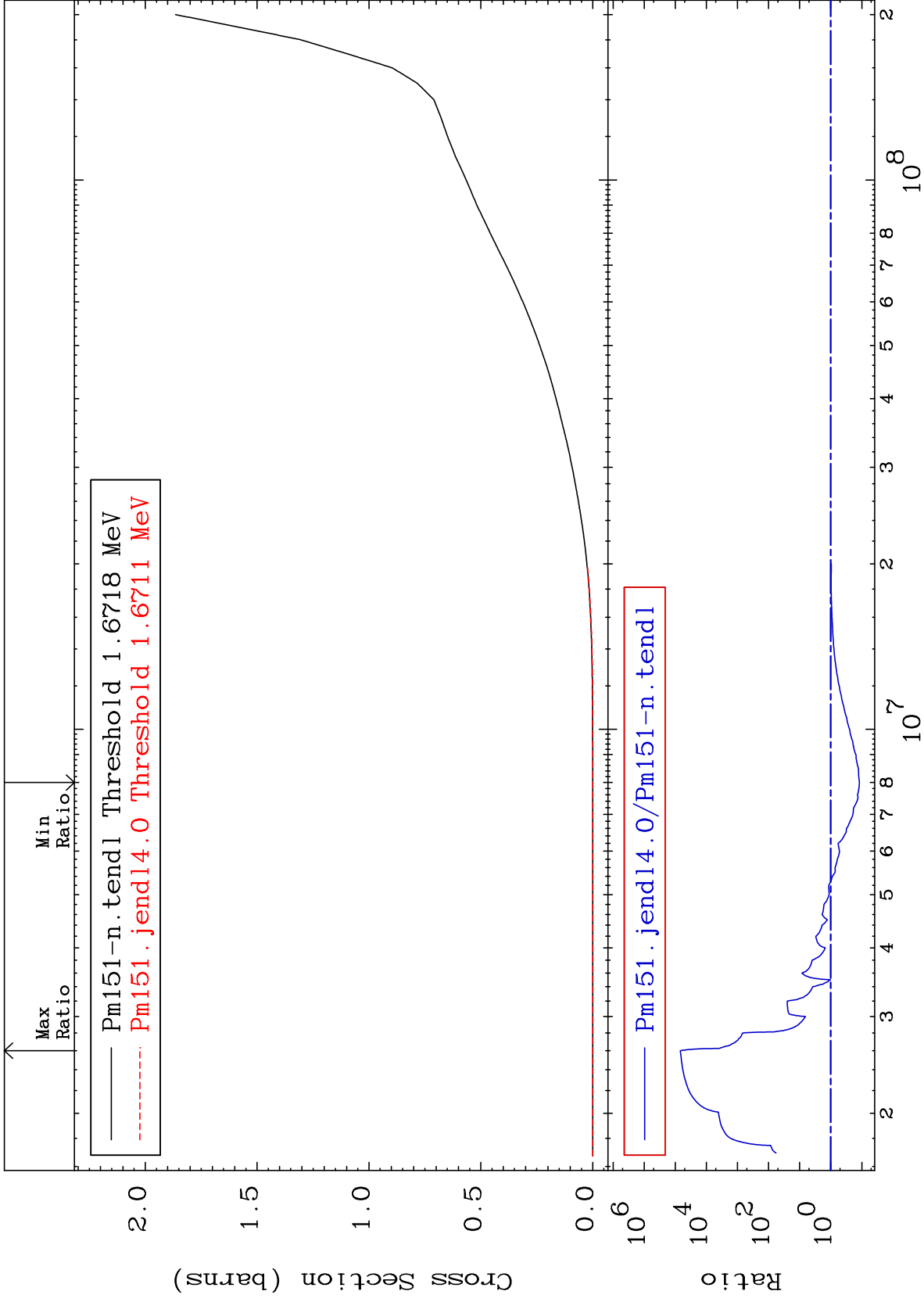
(n, α)

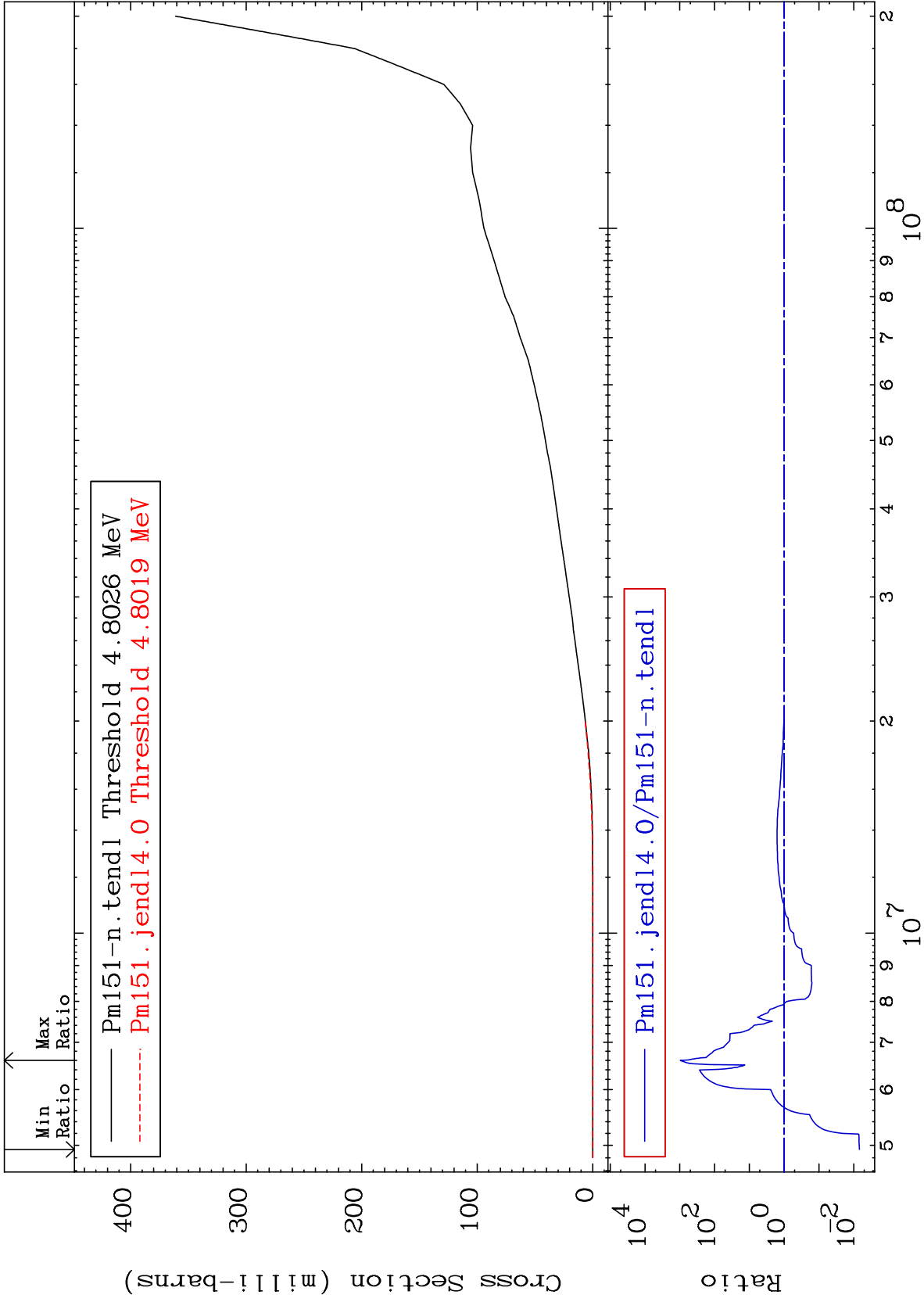
61-Pm-151

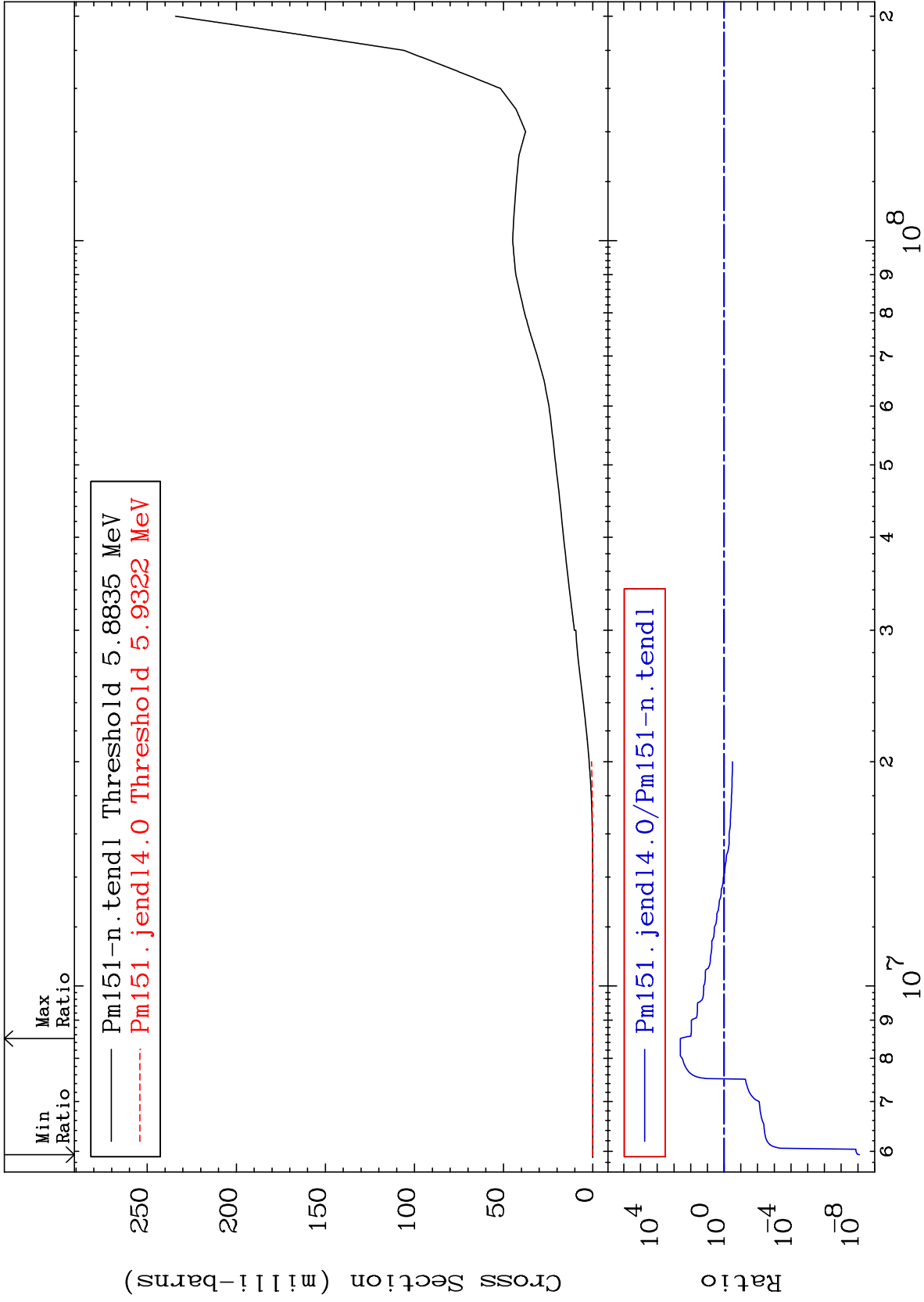
Cross Section

-87.59 To 366.3 %





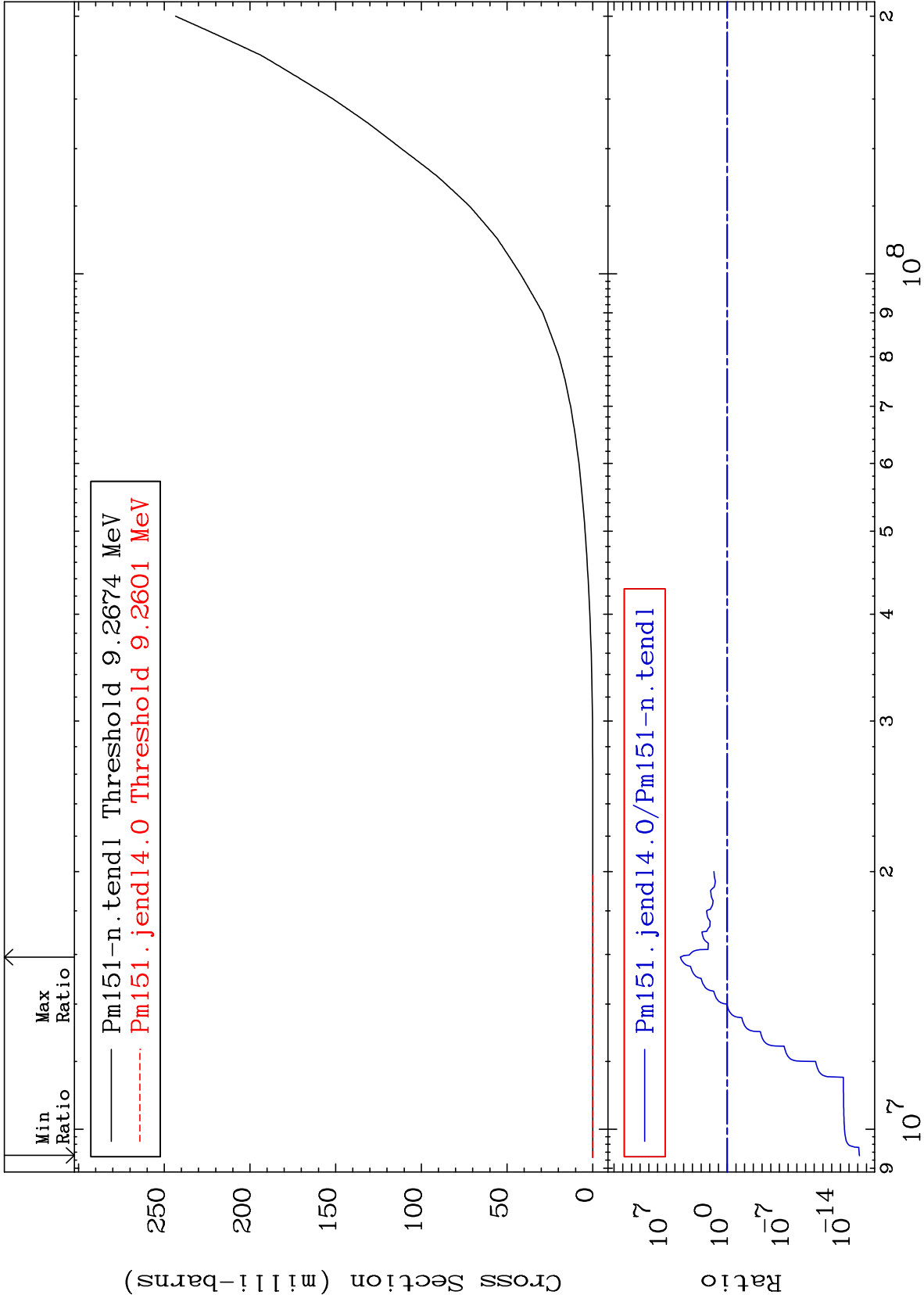




MAT 6161

He-3 Production
Cross Section

61-Pm-151
-100.0 To 9999. %



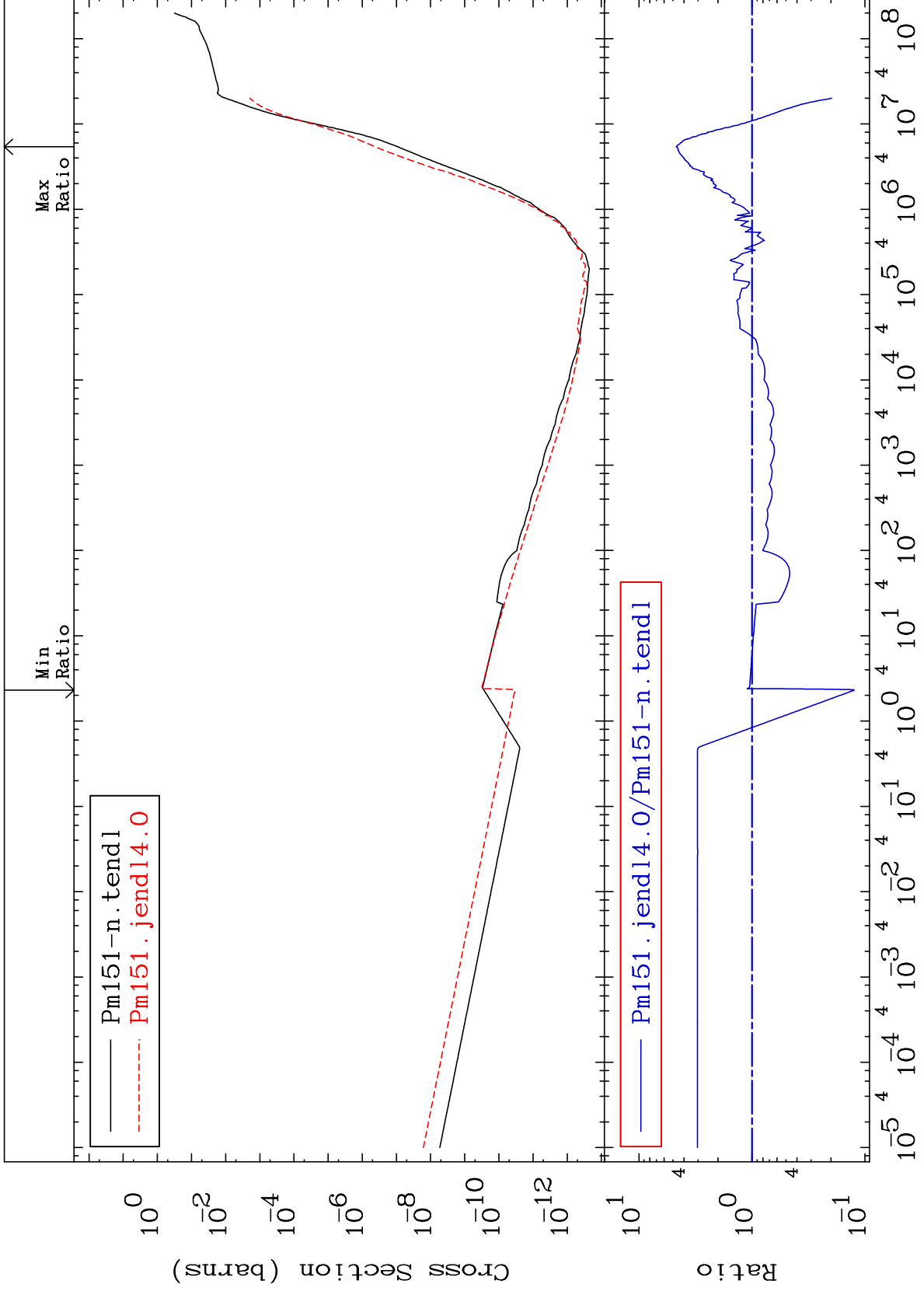
52

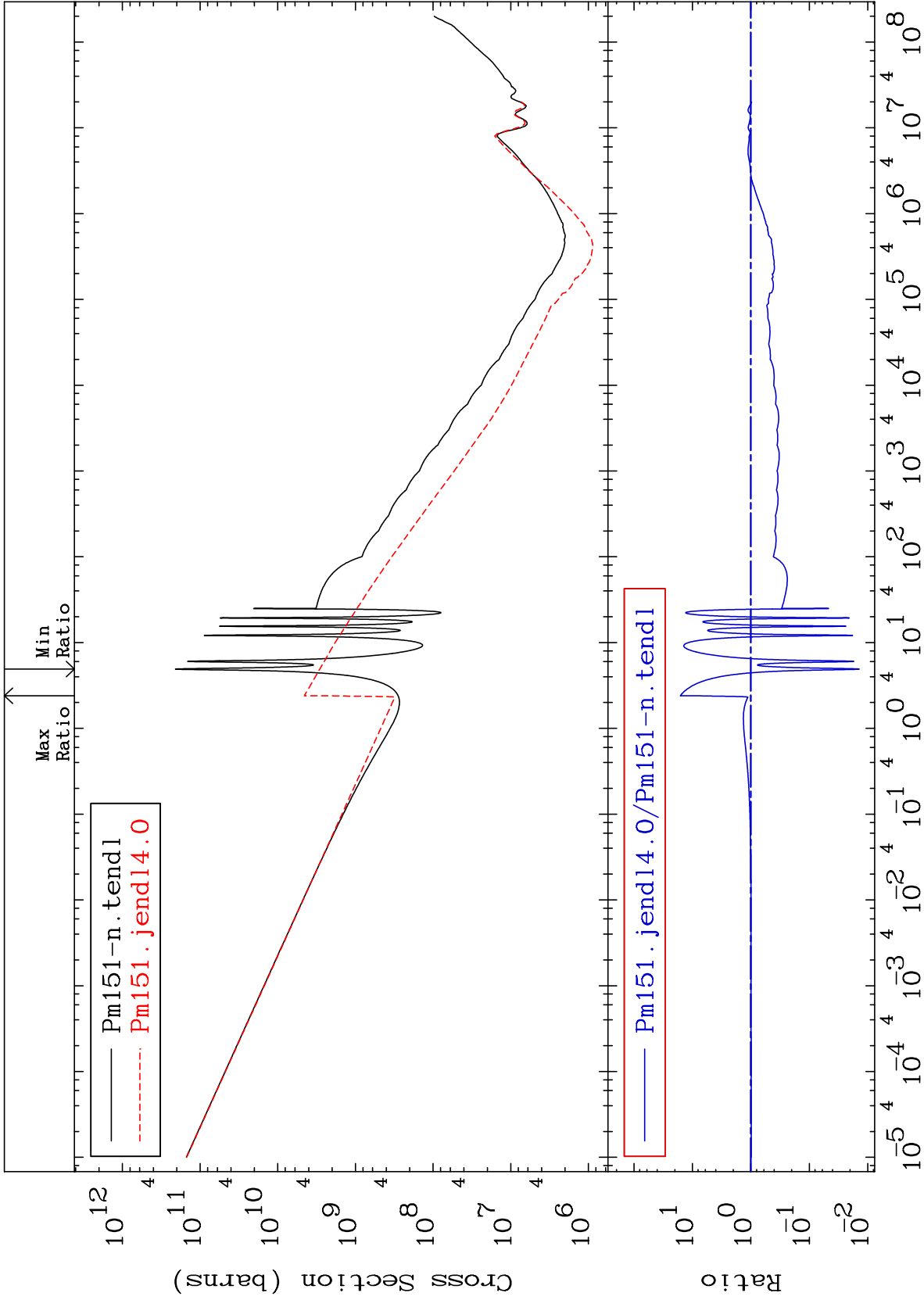
61-Pm-151

MAT 6161

He-4 Production
Cross Section

61-Pm-151
-87.59 To 366.3 %

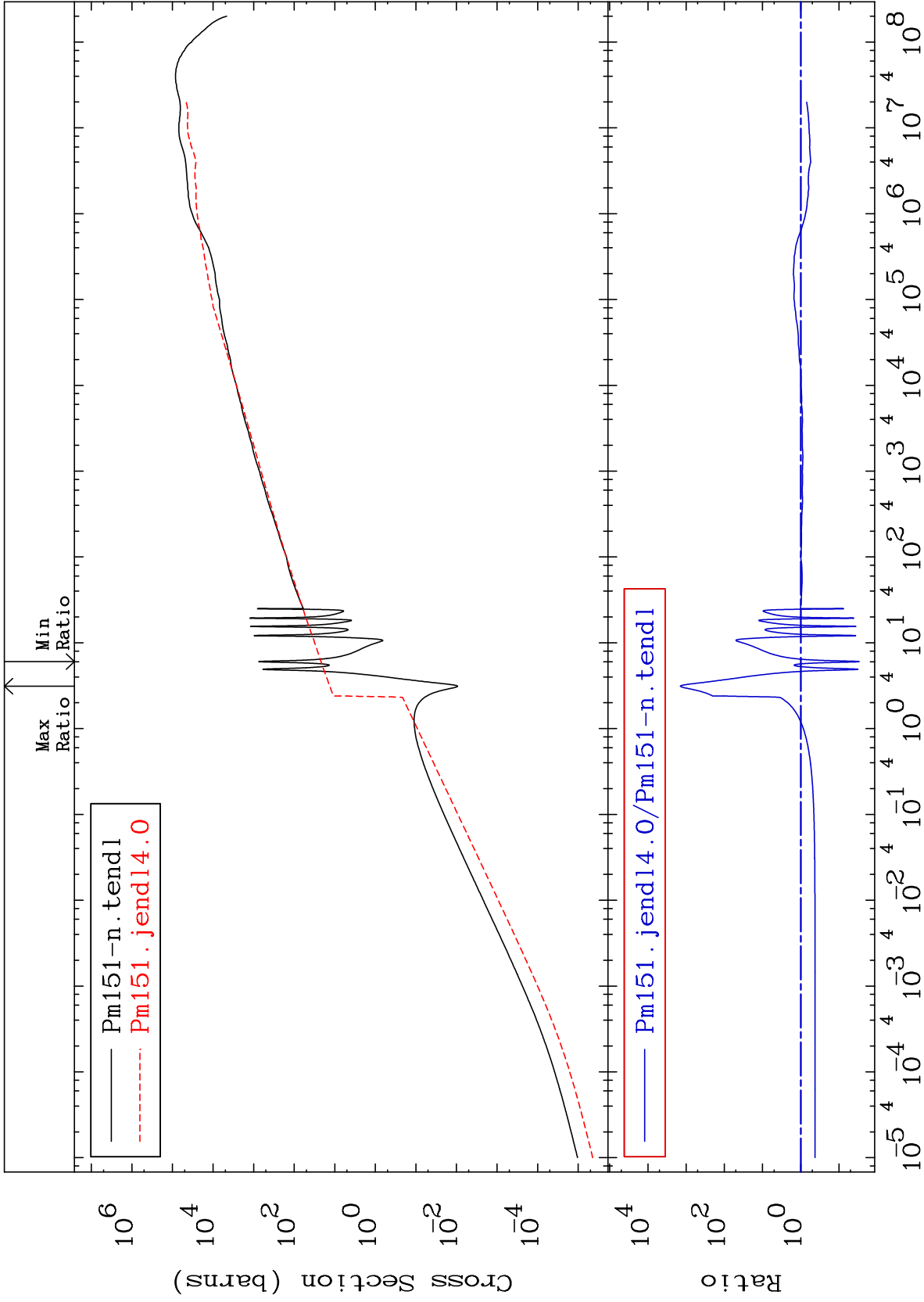


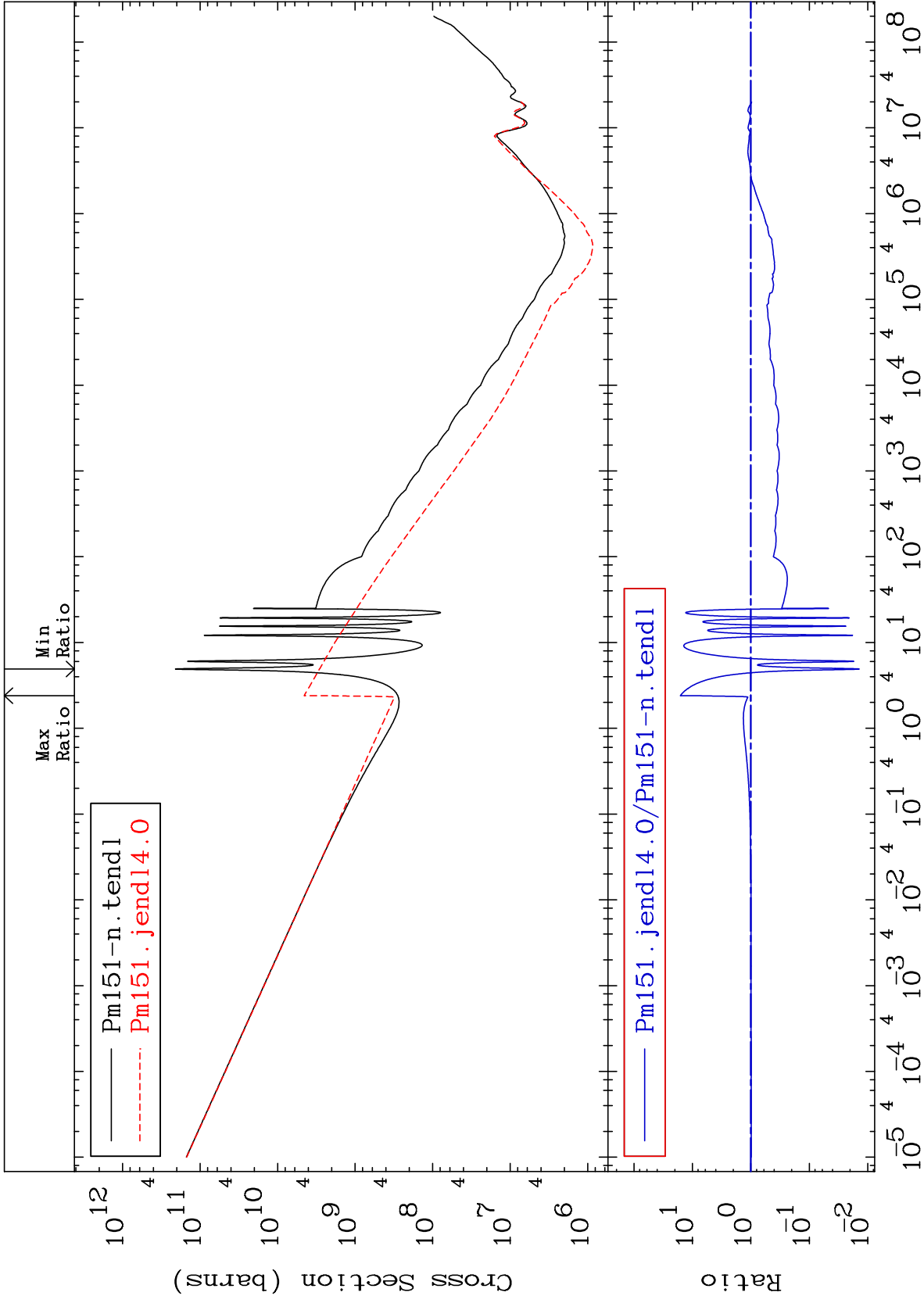


MAT 6161

Kerma elastic
Cross Section

61-Pm-151
-97.08 To 9999. %

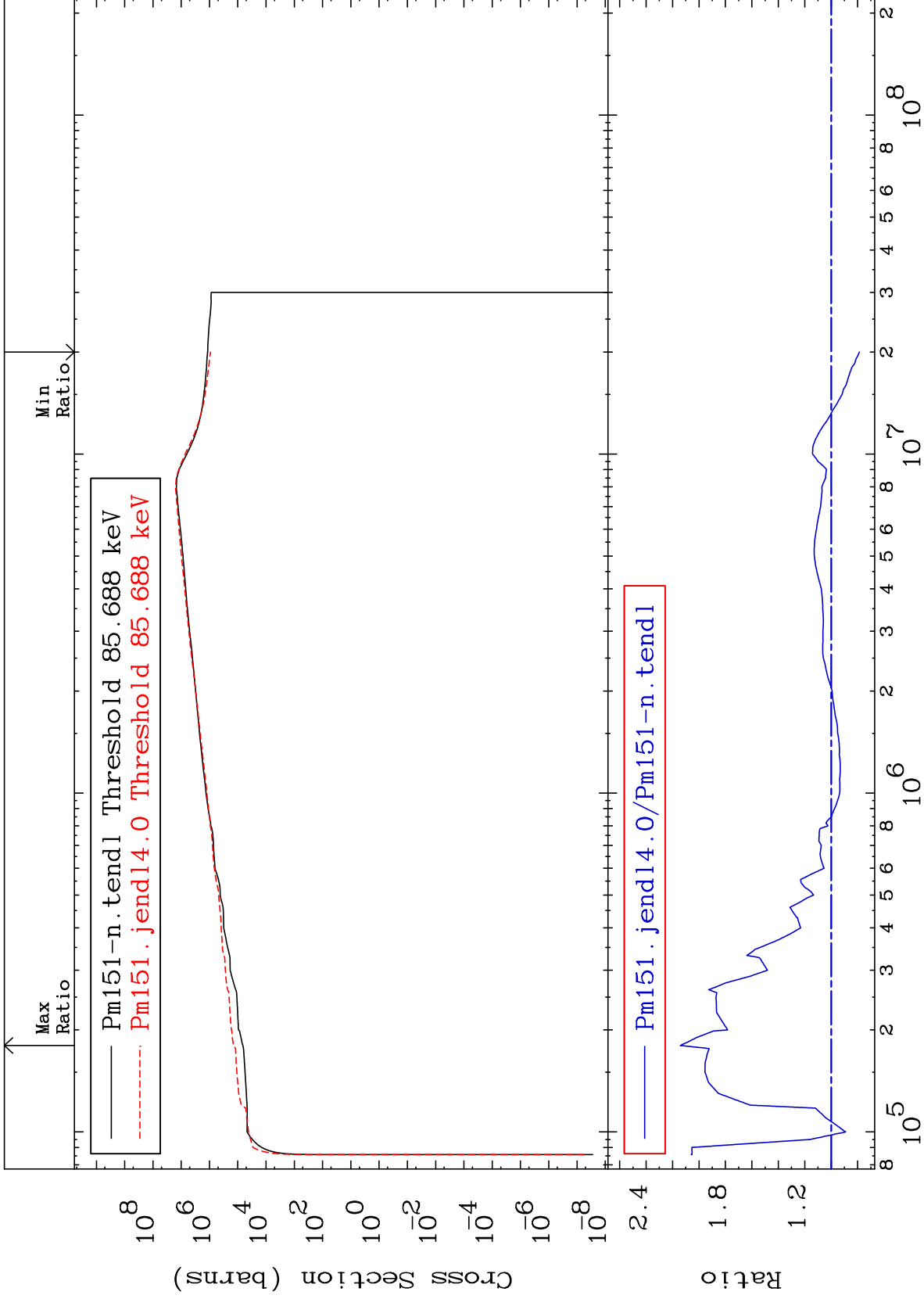




MAT 6161

Kerma inelastic (mt51-91)
Cross Section

61-Pm-151
-21.35 To 114.1 %



57

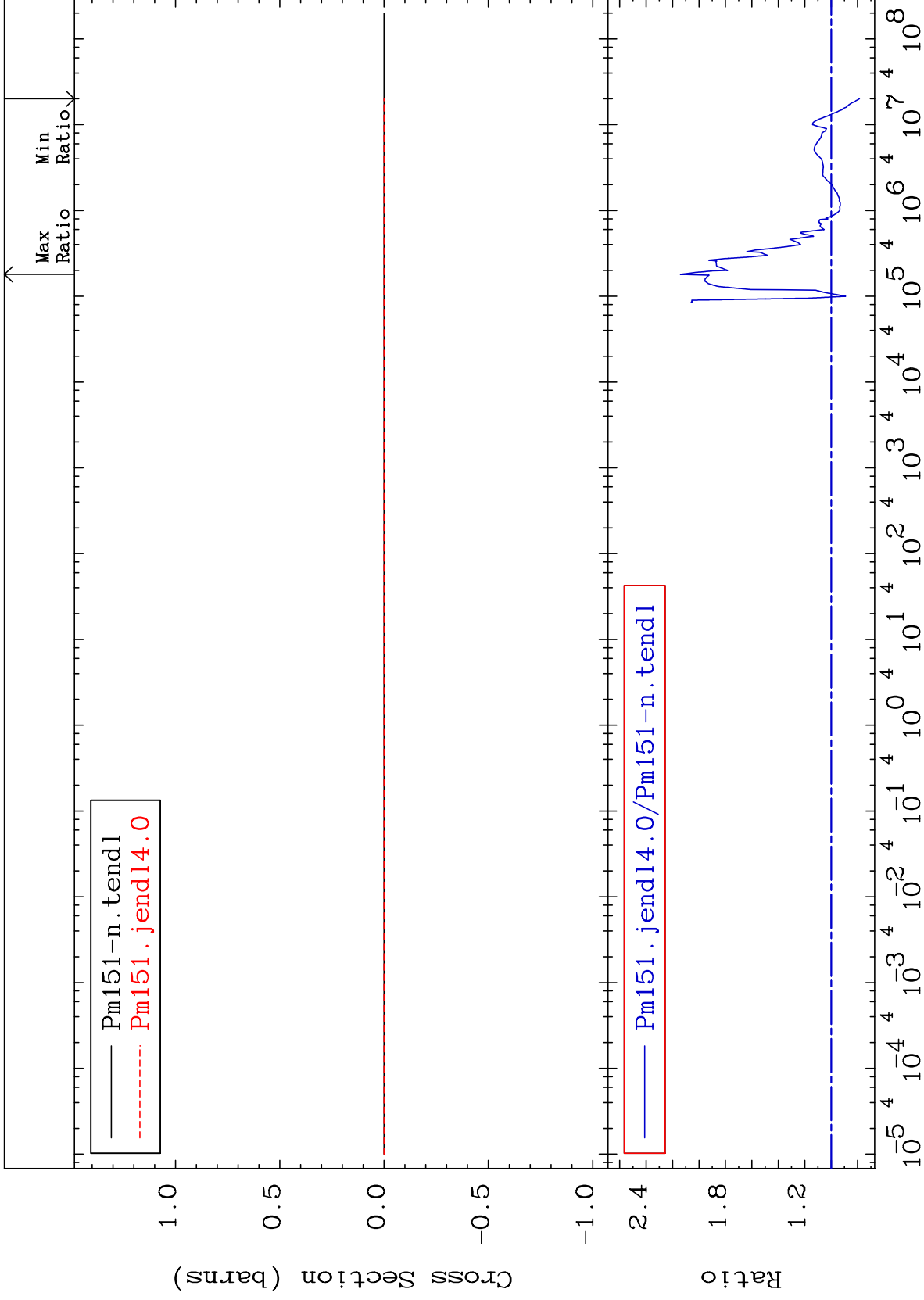
Incident Energy (eV)

61-Pm-151

MAT 6161

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

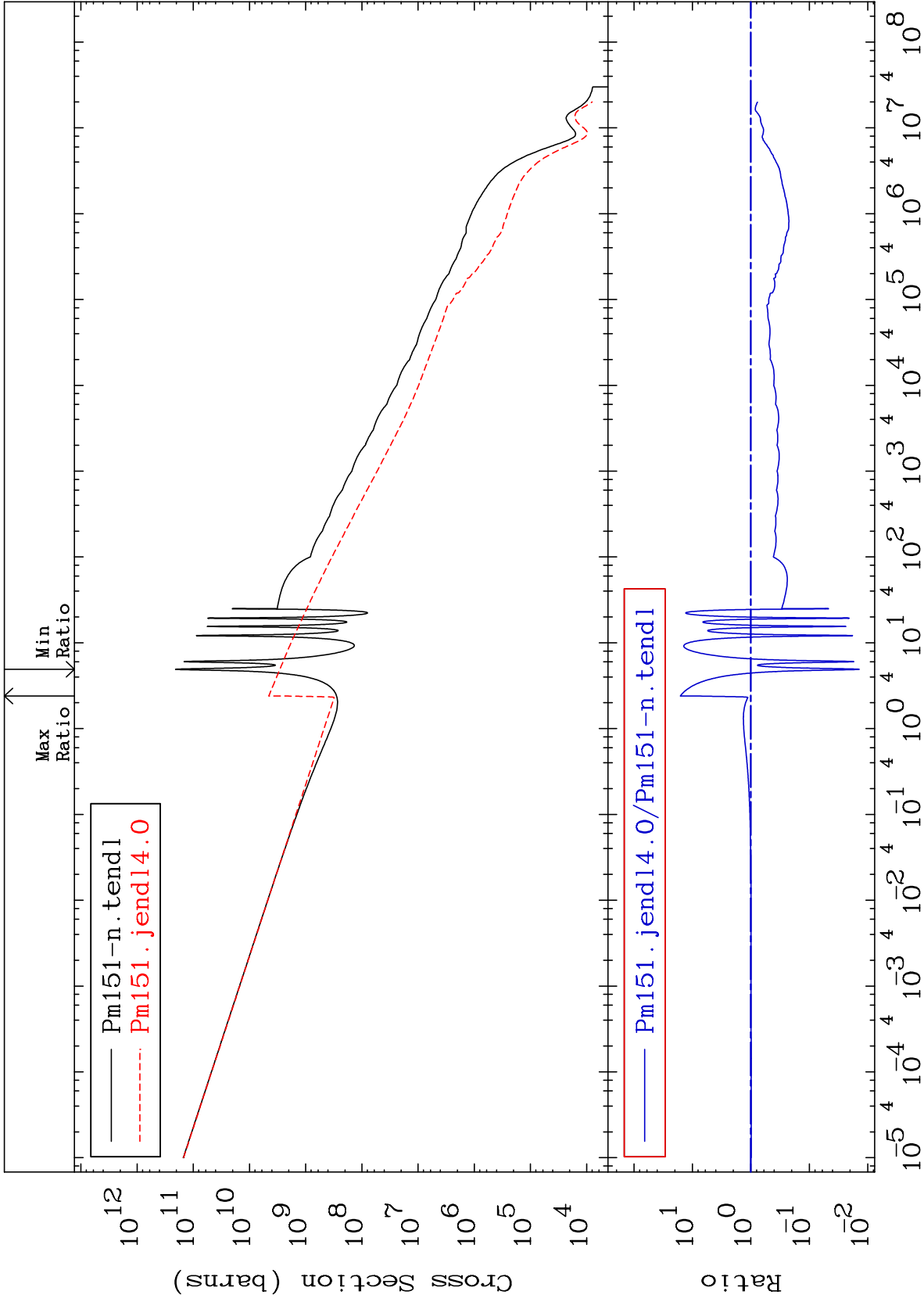
61-Pm-151
-21.35 To 114.1 %



MAT 6161

Kerma capture (mt102)
Cross Section

61-Pm-151
-98.61 To 1510. %



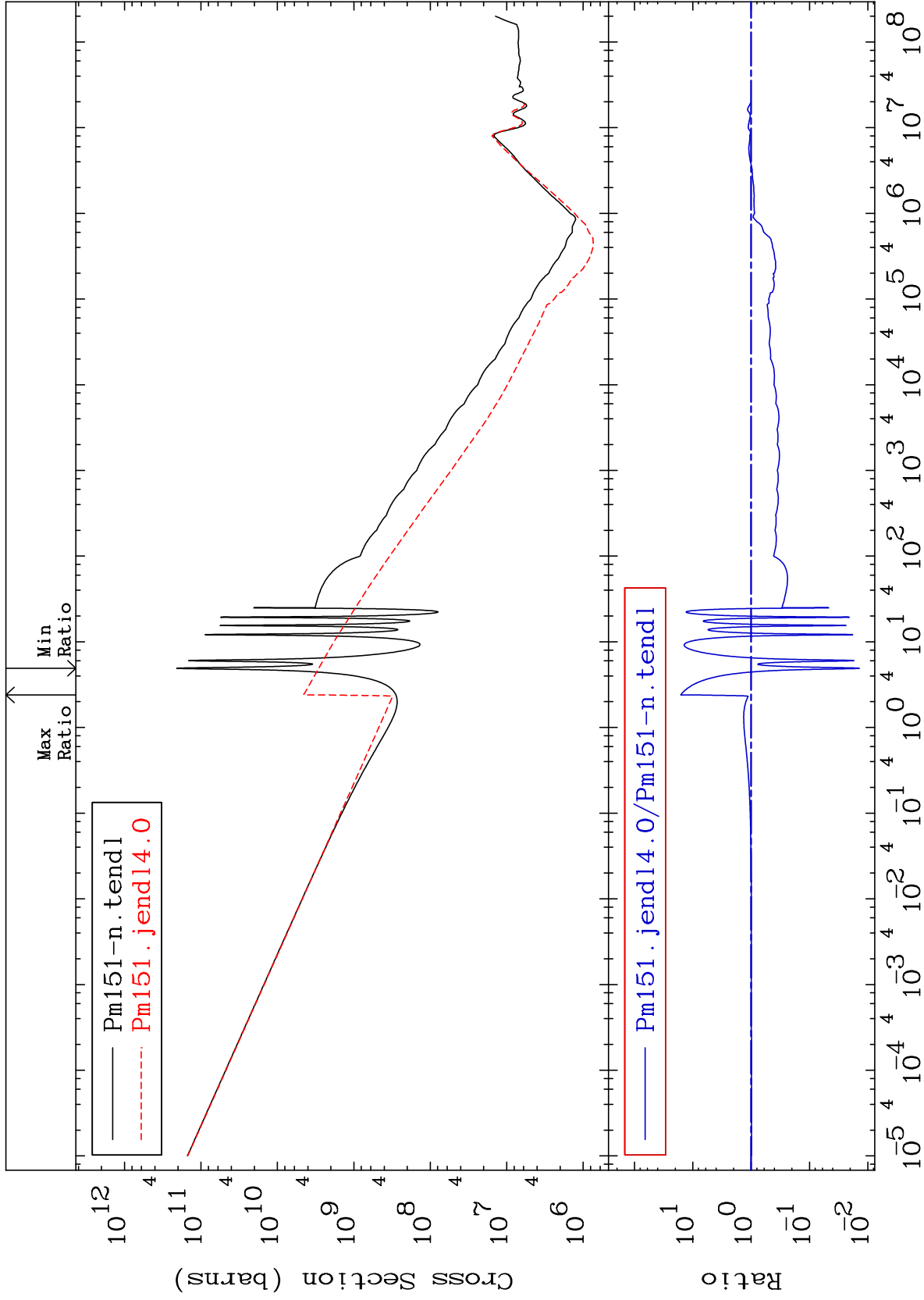
MAT 6161

Total photon (eV-barns)

61-Pm-151

-98.61 To 1510. %

Cross Section



60

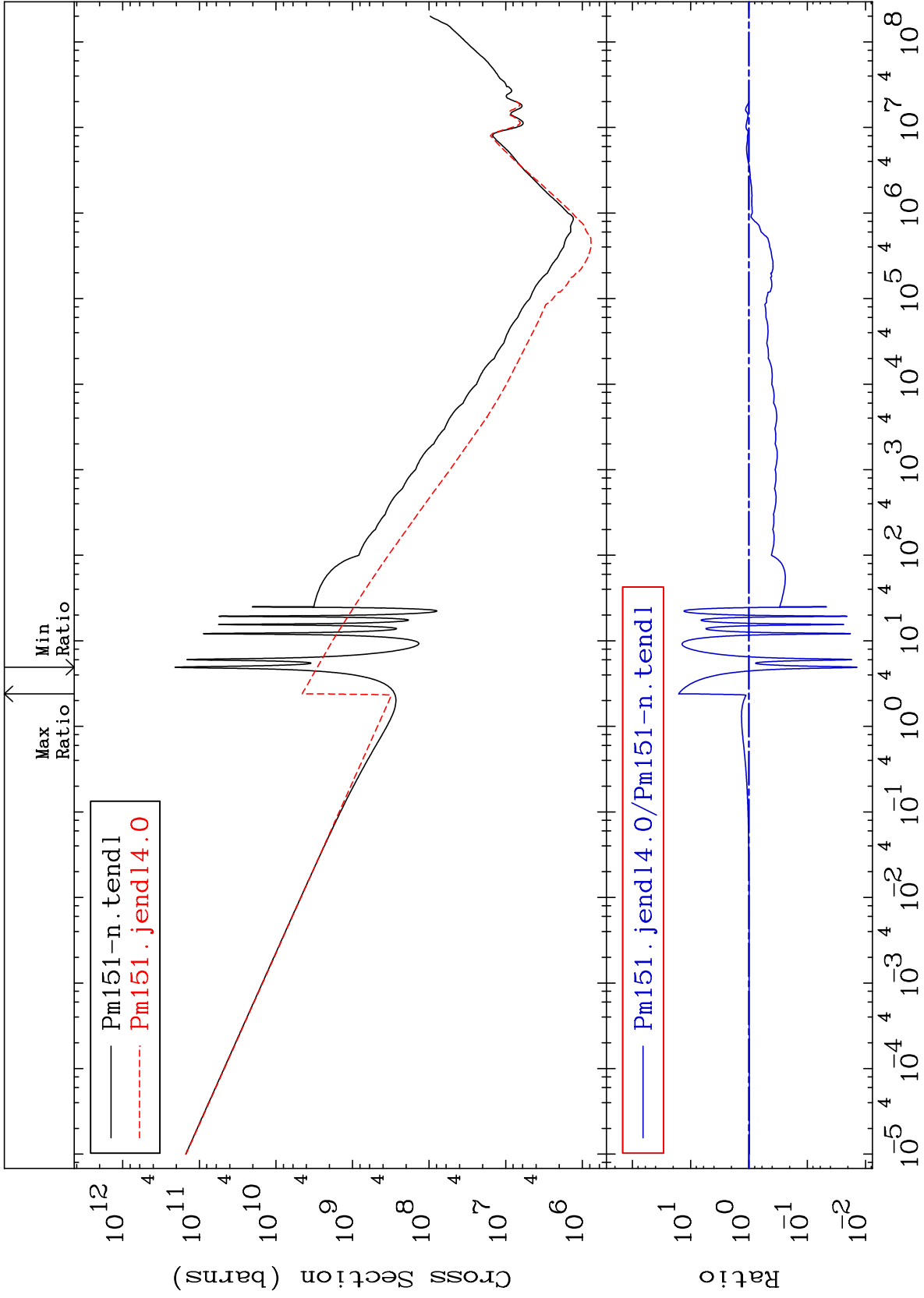
Incident Energy (eV)

61-Pm-151

MAT 6161

Total kinematic kerma (high limit)
Cross Section

61-Pm-151
-98.61 To 1510. %



61

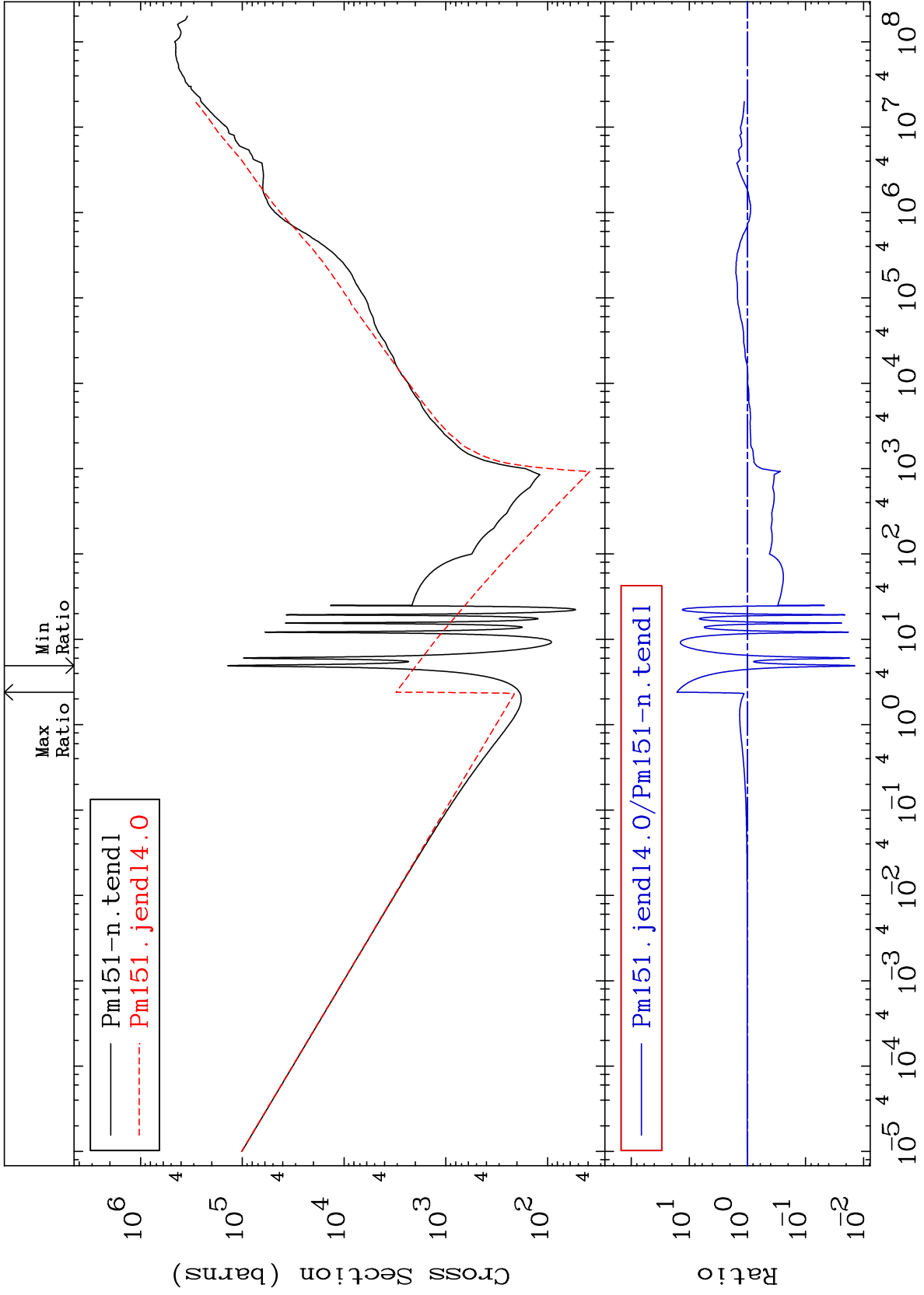
Incident Energy (eV)

61-Pm-151

MAT 6161

Dpa total (eV-barns)
Cross Section

61-Pm-151
-98.59 To 1533. %



62

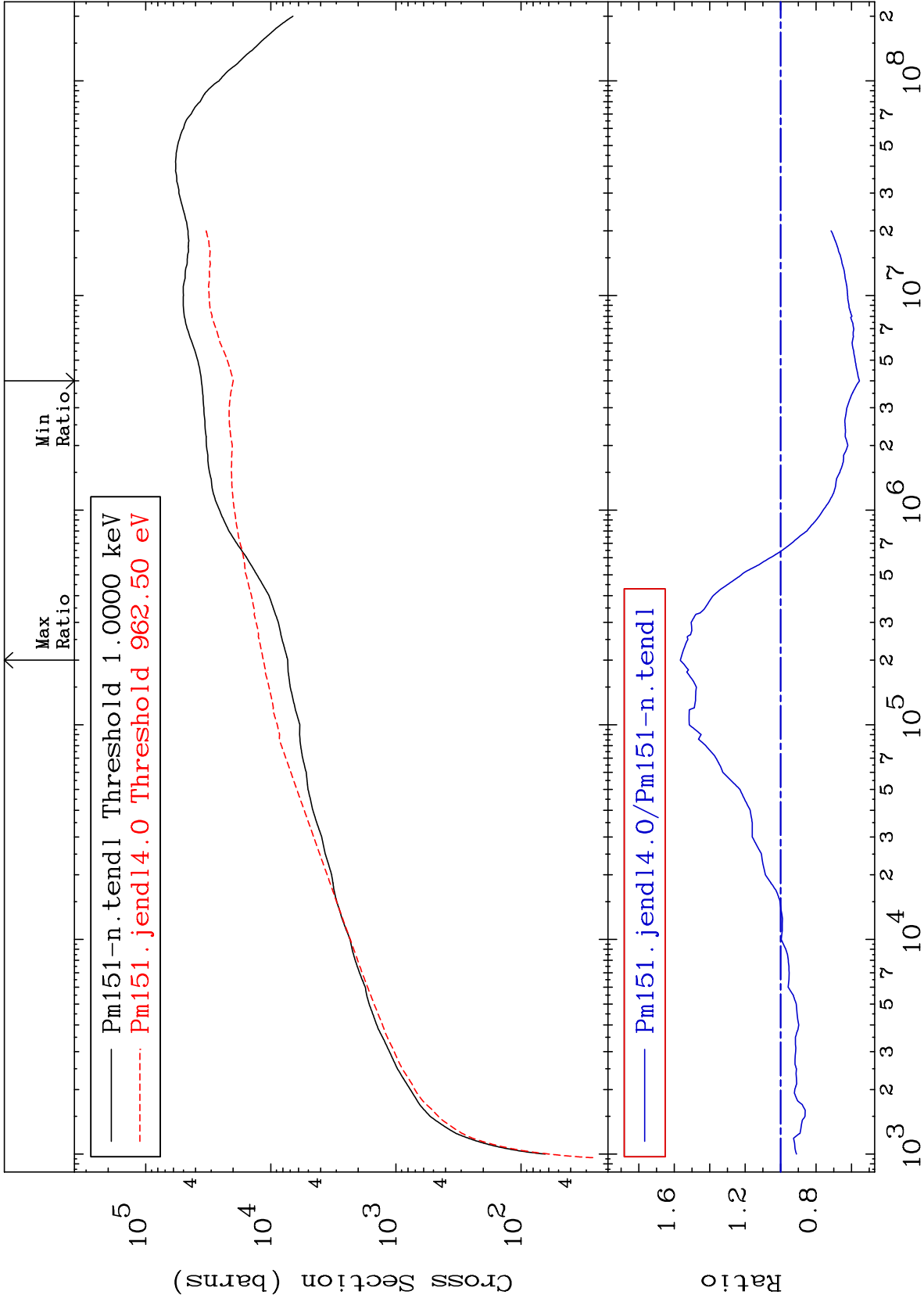
Incident Energy (eV)

61-Pm-151

MAT 6161

Dpa elastic (mt2)
Cross Section

61-Pm-151
-44.44 To 56.59 %



Incident Energy (eV)

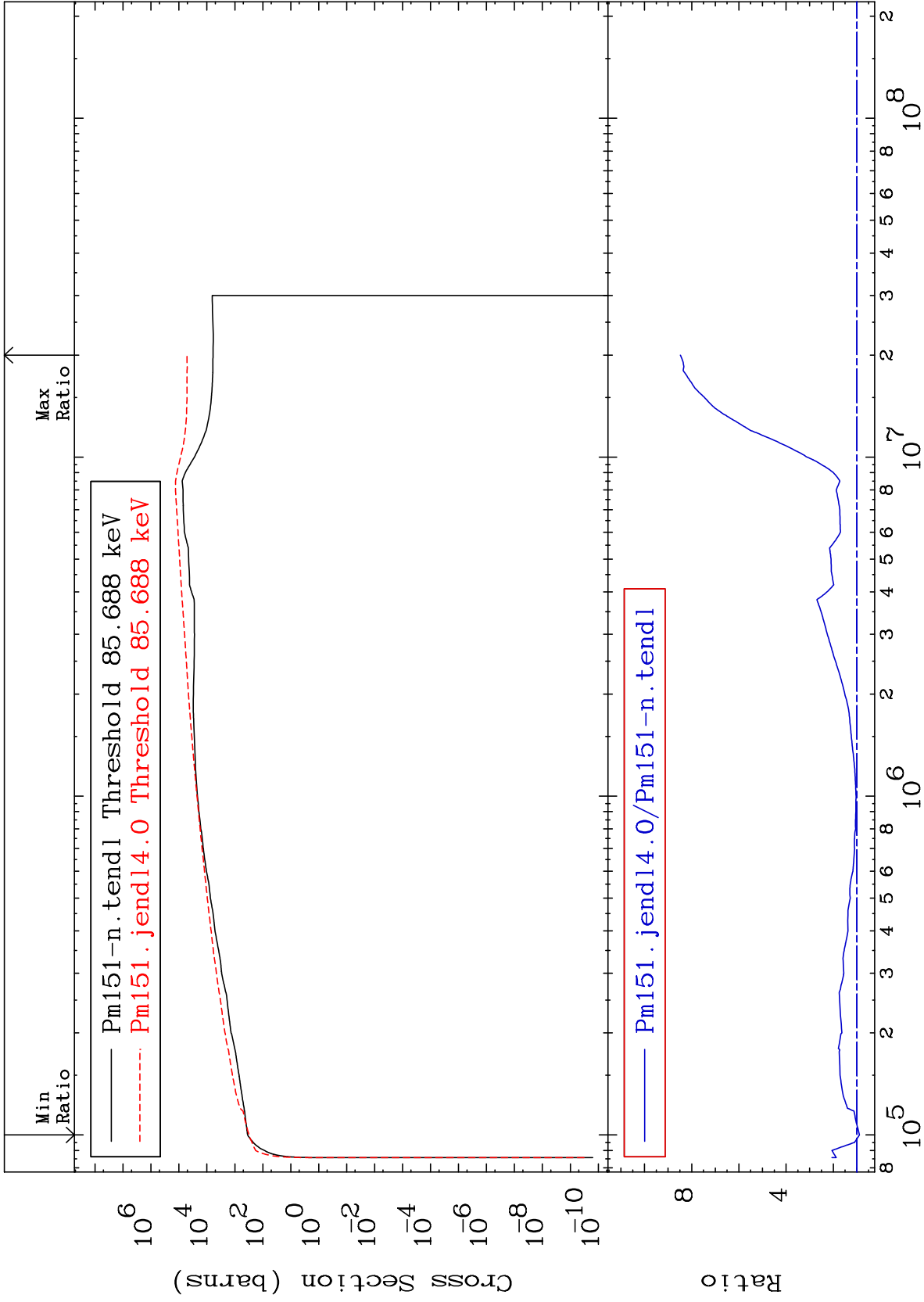
61-Pm-151

63

MAT 6161

Dpa inelastic (mt51-91)
Cross Section

61-Pm-151
-10.84 To 748.0 %



64

61-Pm-151

