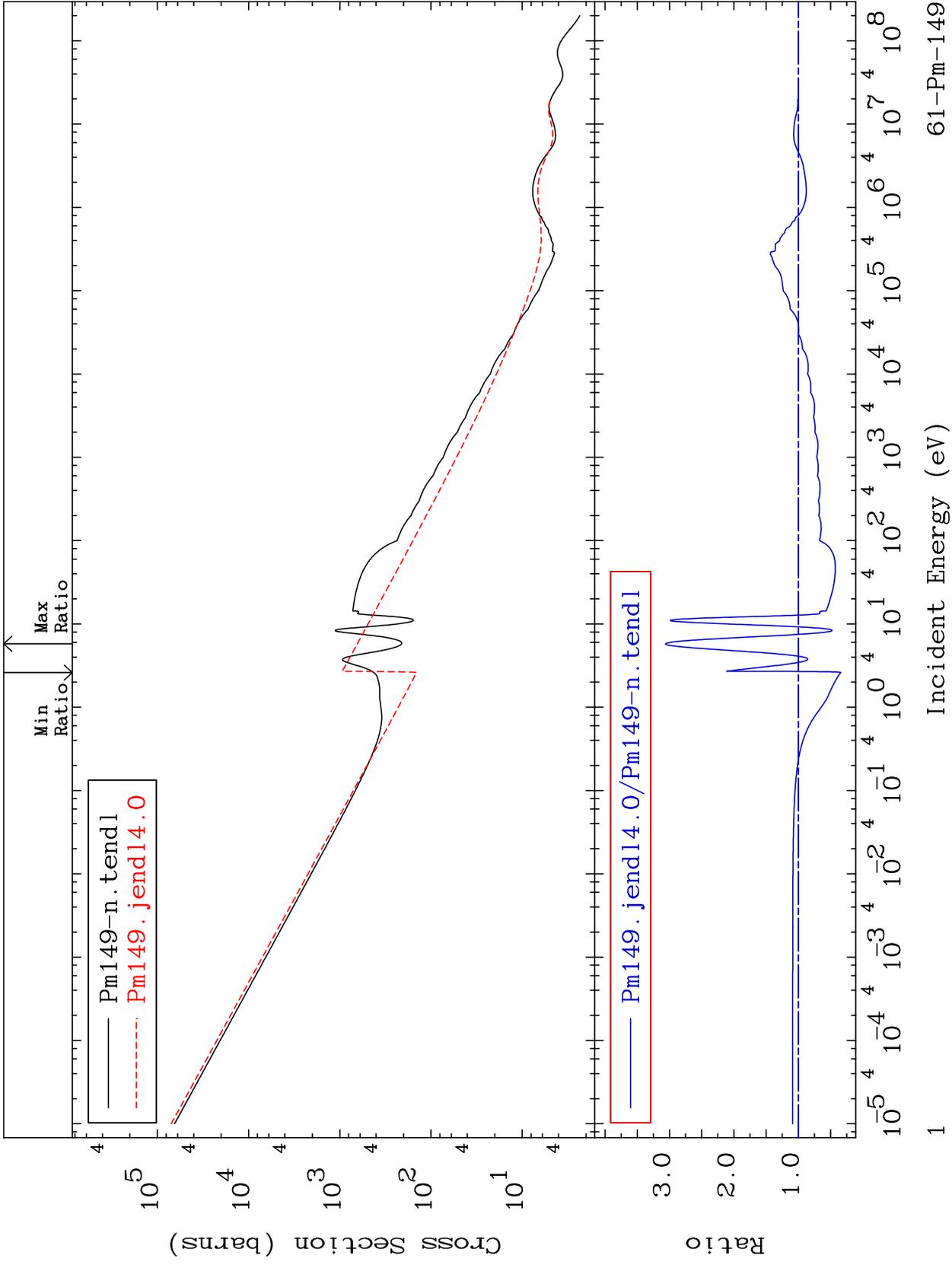


MAT 6155

Total
Cross Section
61-Pm-149
-65.92 To 206.1 %



61-Pm-149

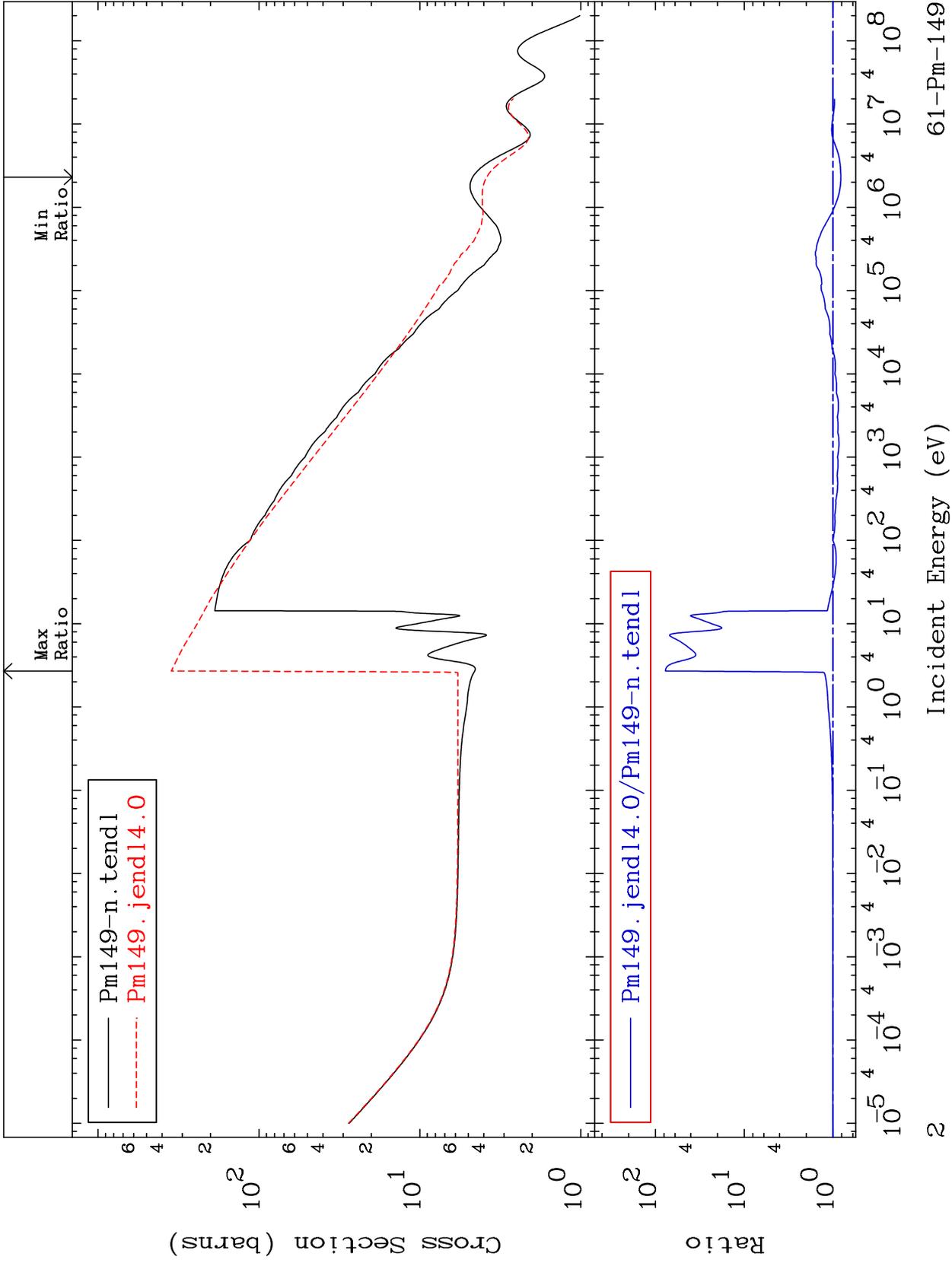
MAT 6155

Elastic

61-Pm-149

Cross Section

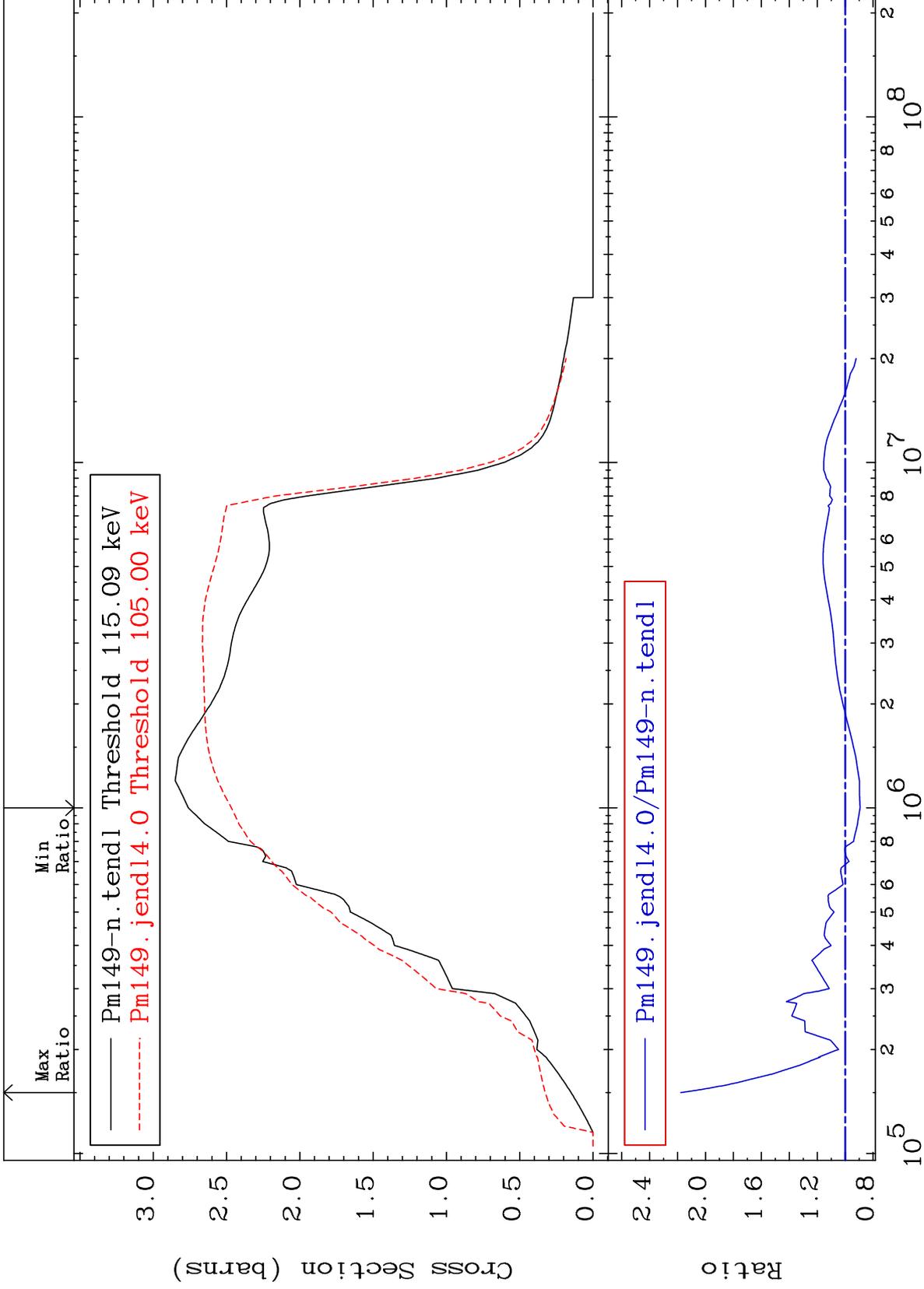
-18.18 To 7593. %



MAT 6155

Inelastic
Cross Section

61-Pm-149
-10.67 To 117.7 %



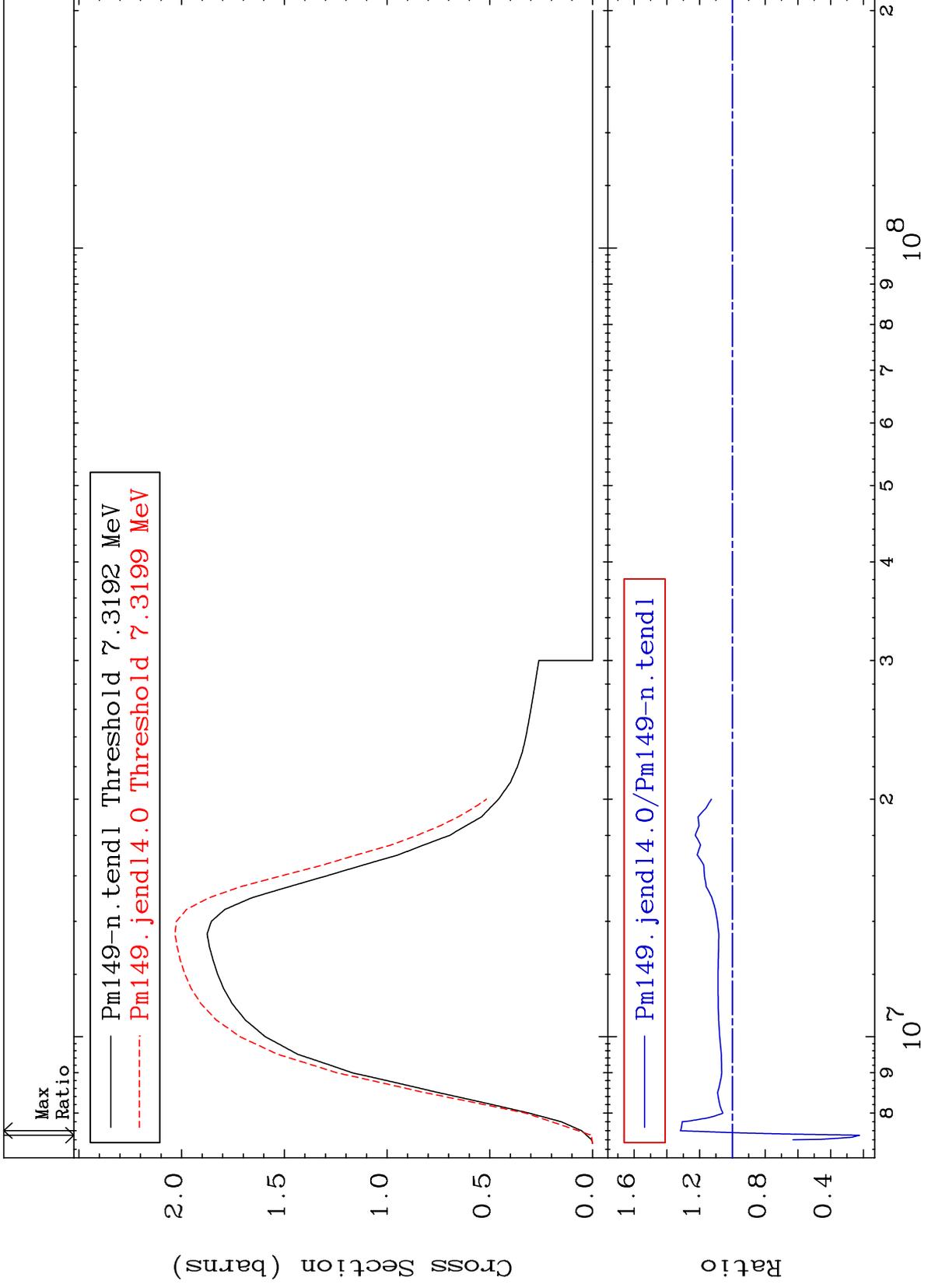
61-Pm-149

3

MAT 6155

(n,2n)
Cross Section

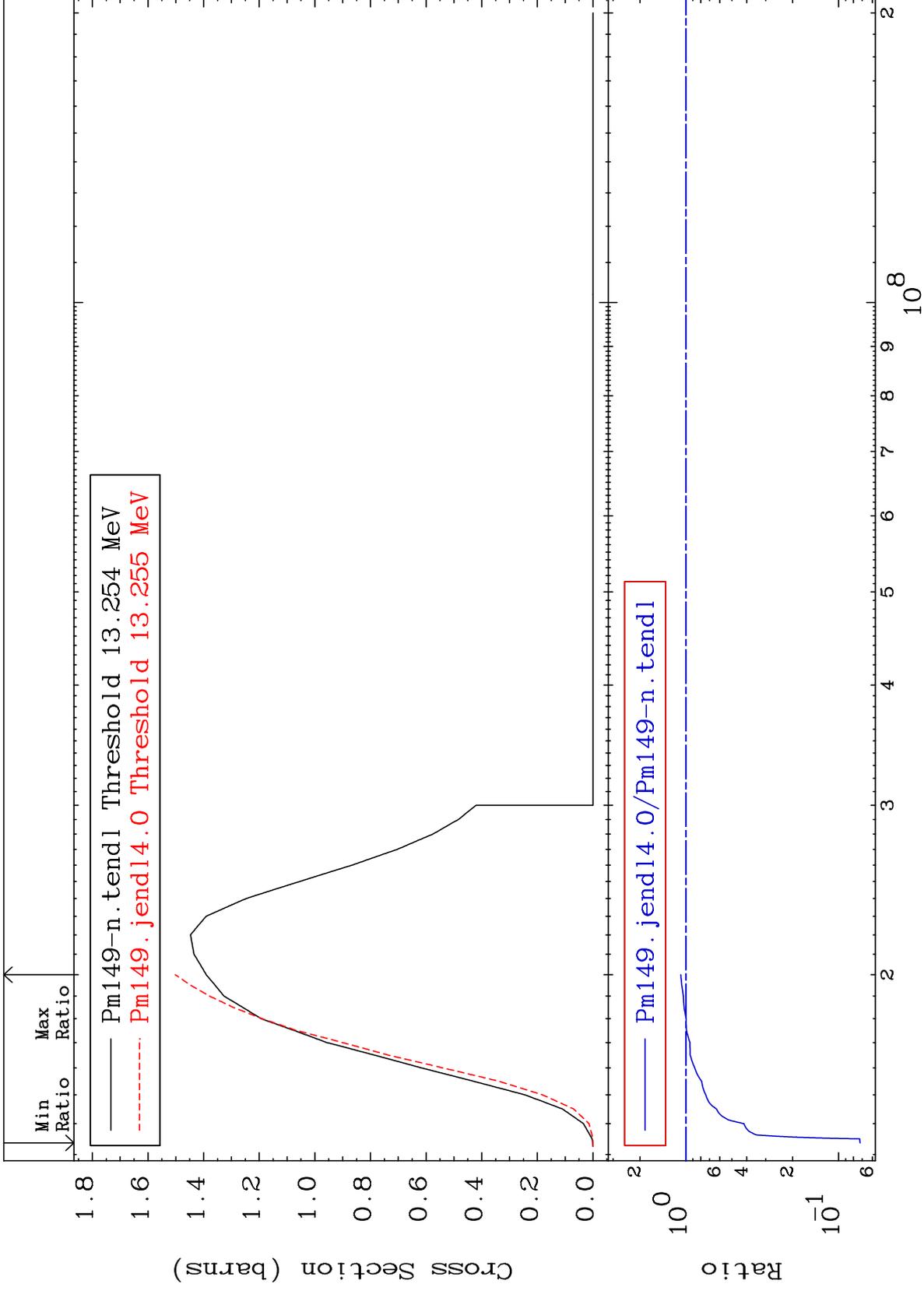
61-Pm-149
-77.61 To 31.82 %



MAT 6155

(n,3n)
Cross Section

61-Pm-149
-92.77 To 8.025 %



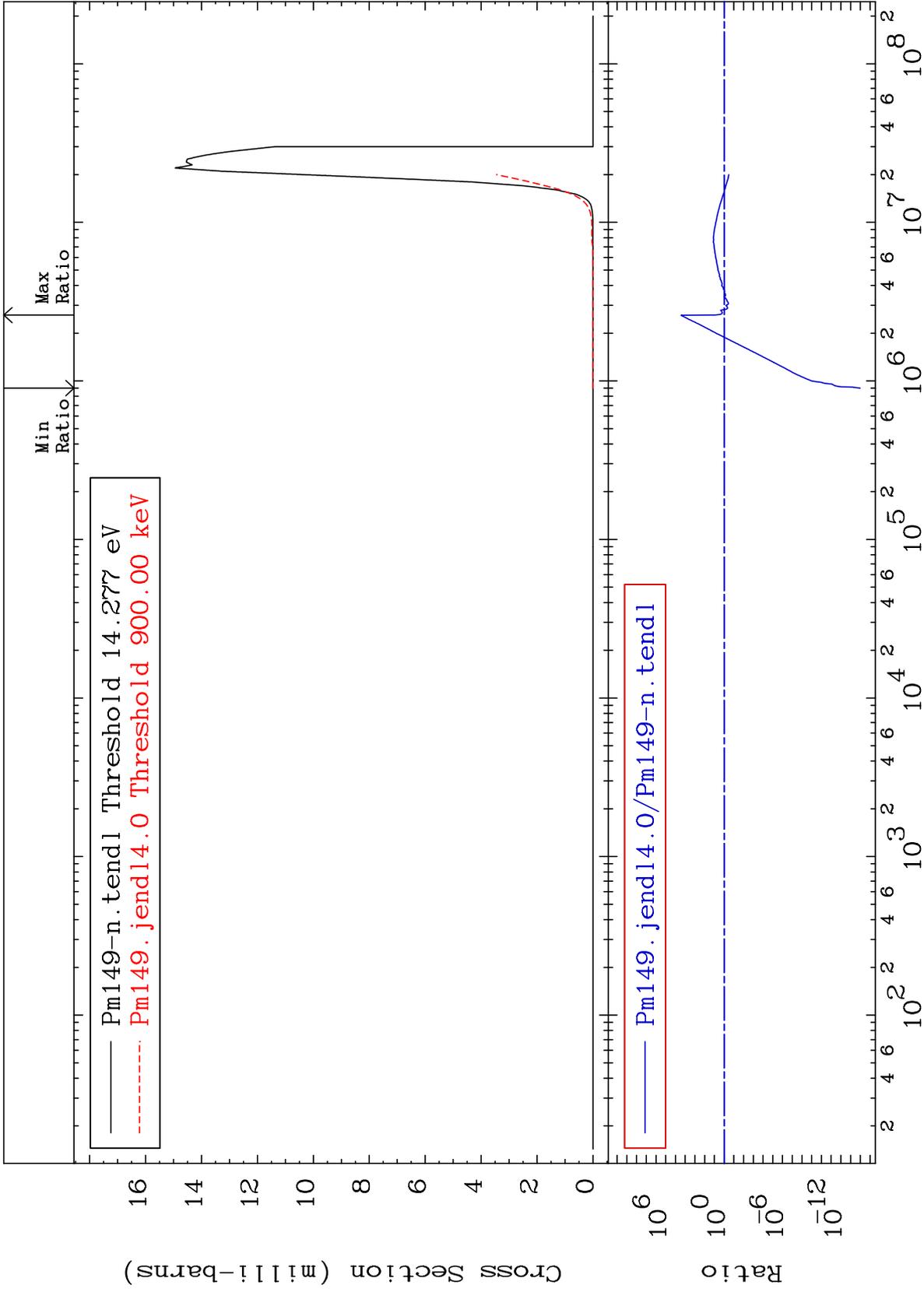
MAT 6155

(n, n') α

61-Pm-149

Cross Section

-100.0 To 9999. %

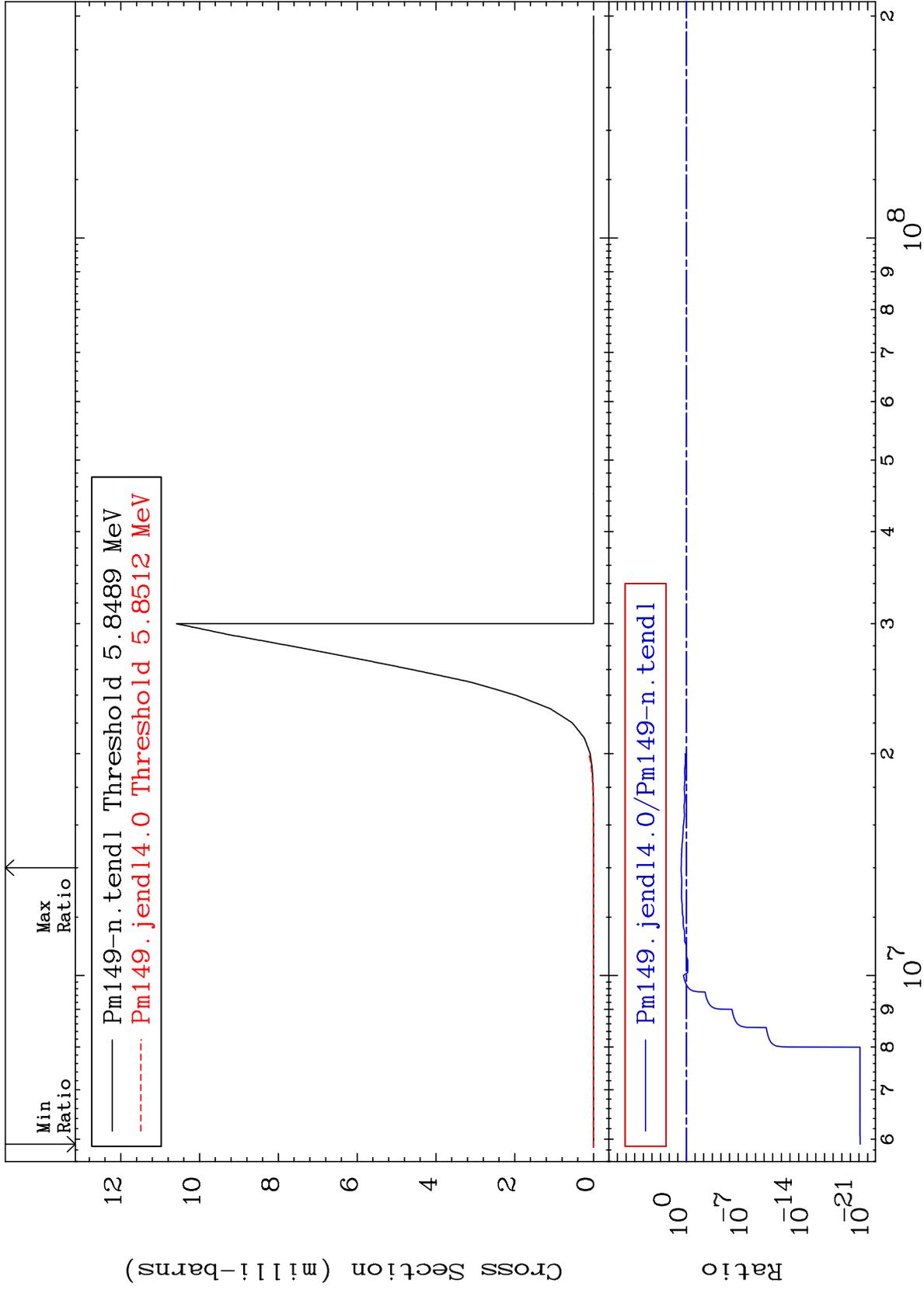


MAT 6155

61-Pm-149

(n,2n) α
Cross Section

-100.0 To 309.2 %



7

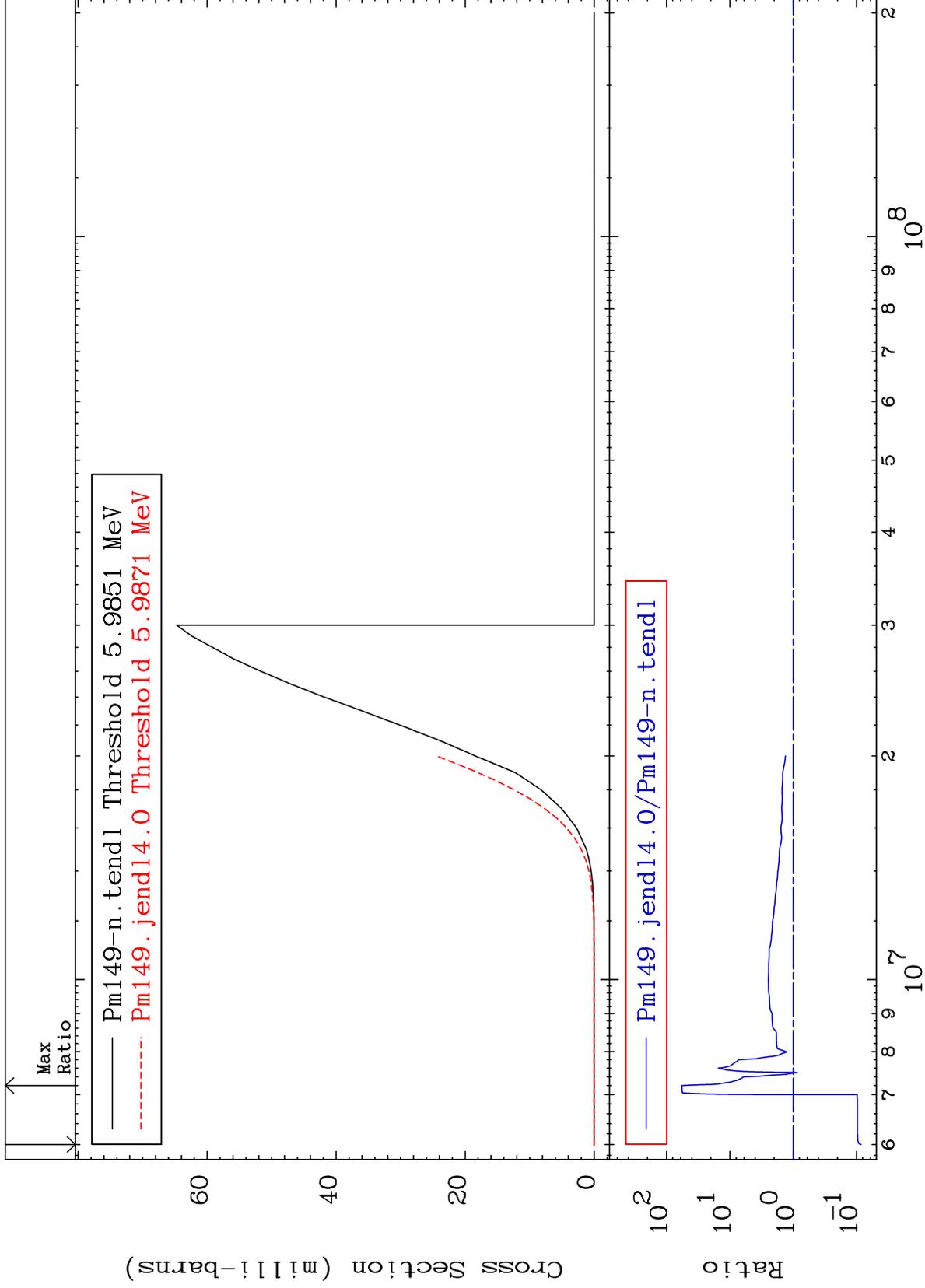
Incident Energy (eV)

61-Pm-149

MAT 6155

(n, n') p
Cross Section

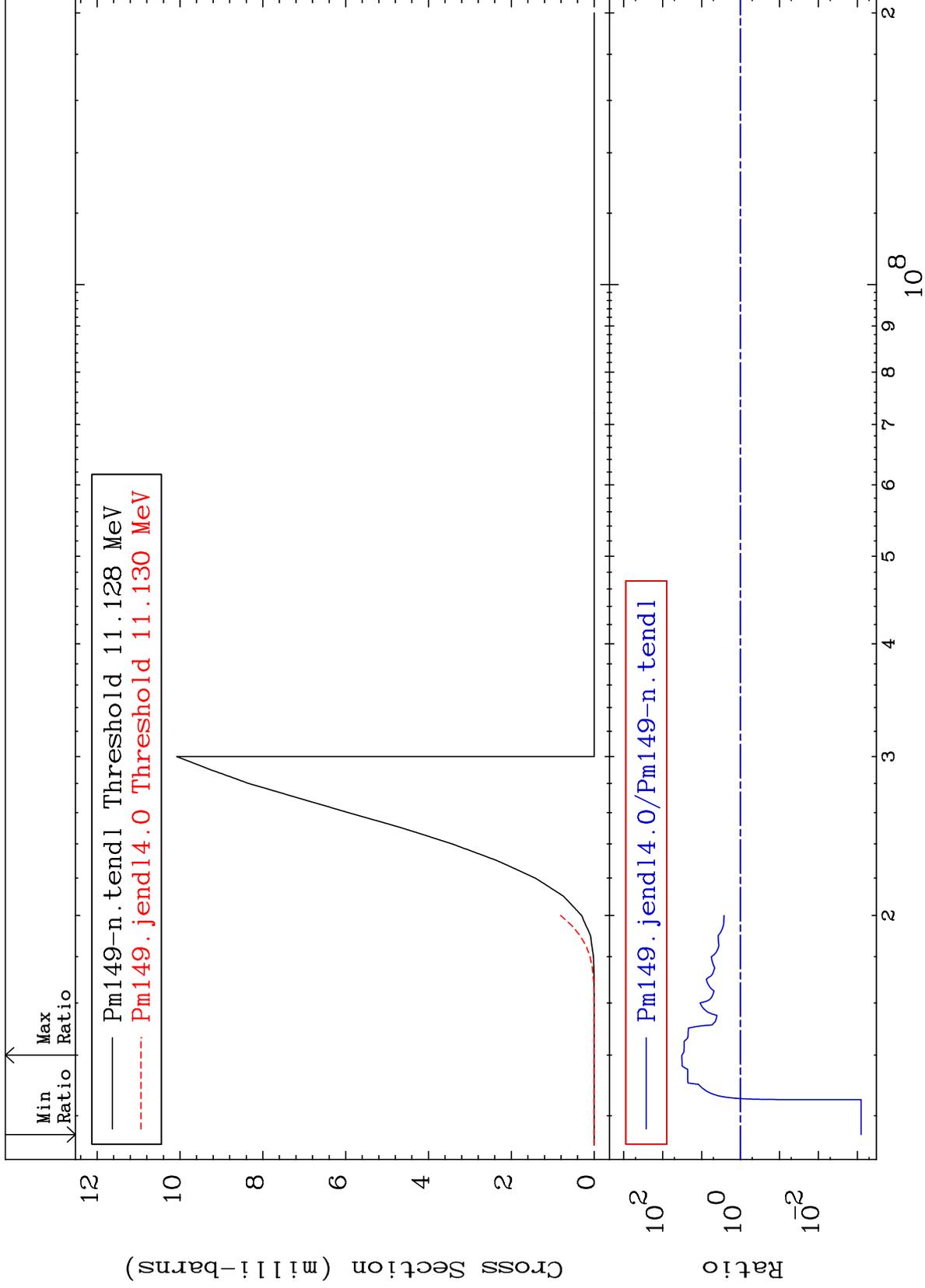
61-Pm-149
-91.54 To 5629. %



8

Incident Energy (eV)

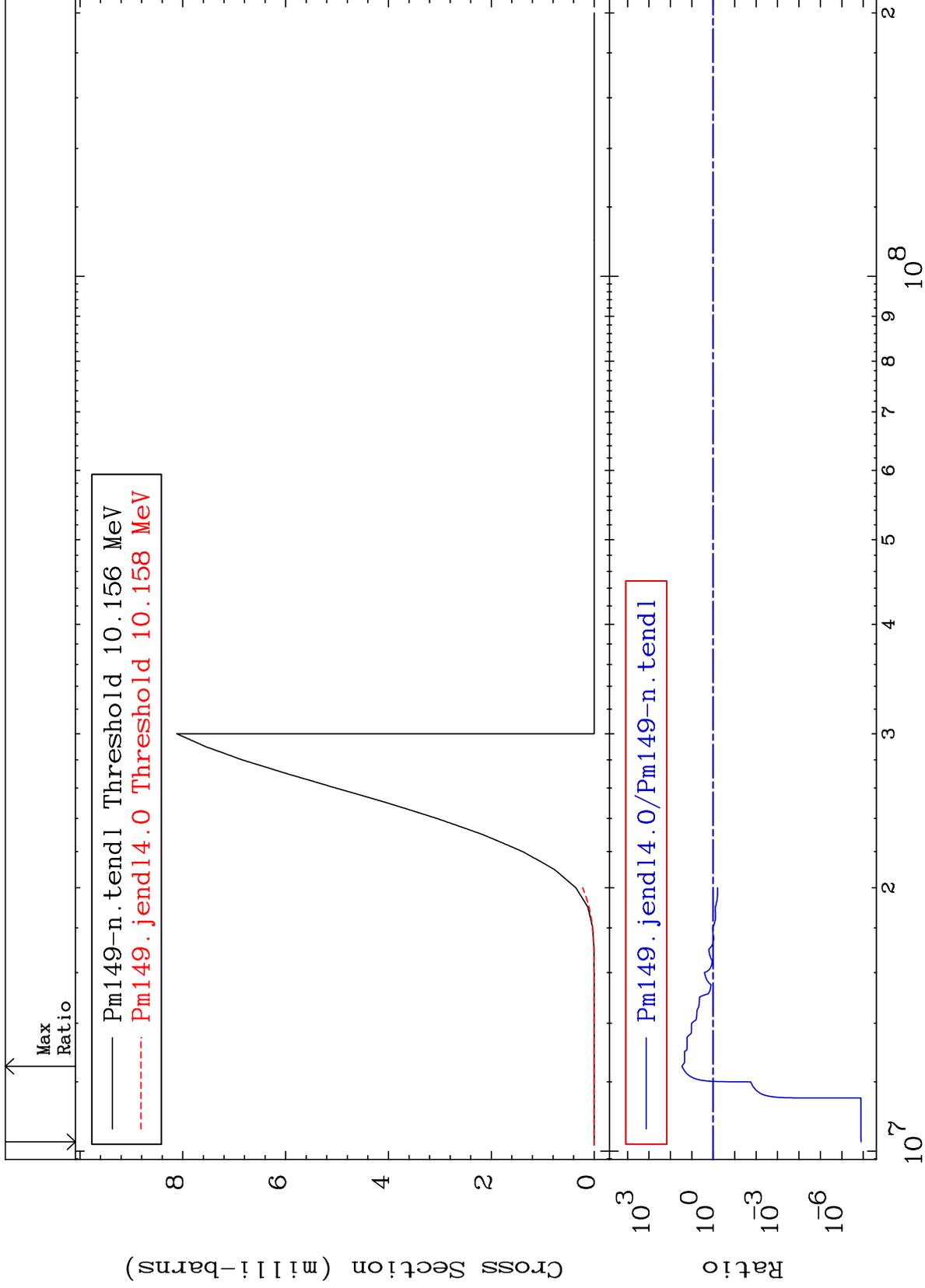
61-Pm-149



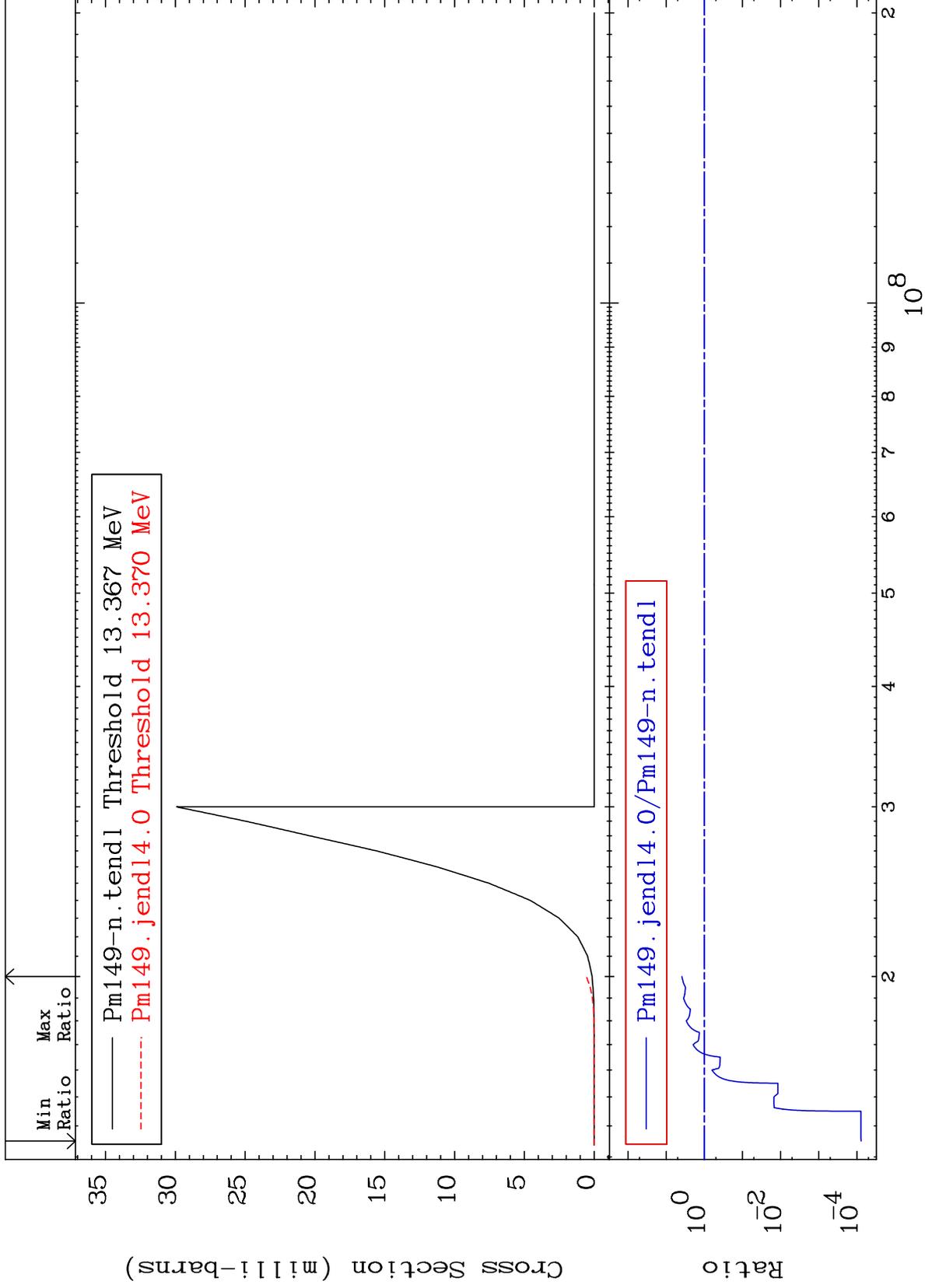
MAT 6155

(n,n') t
Cross Section

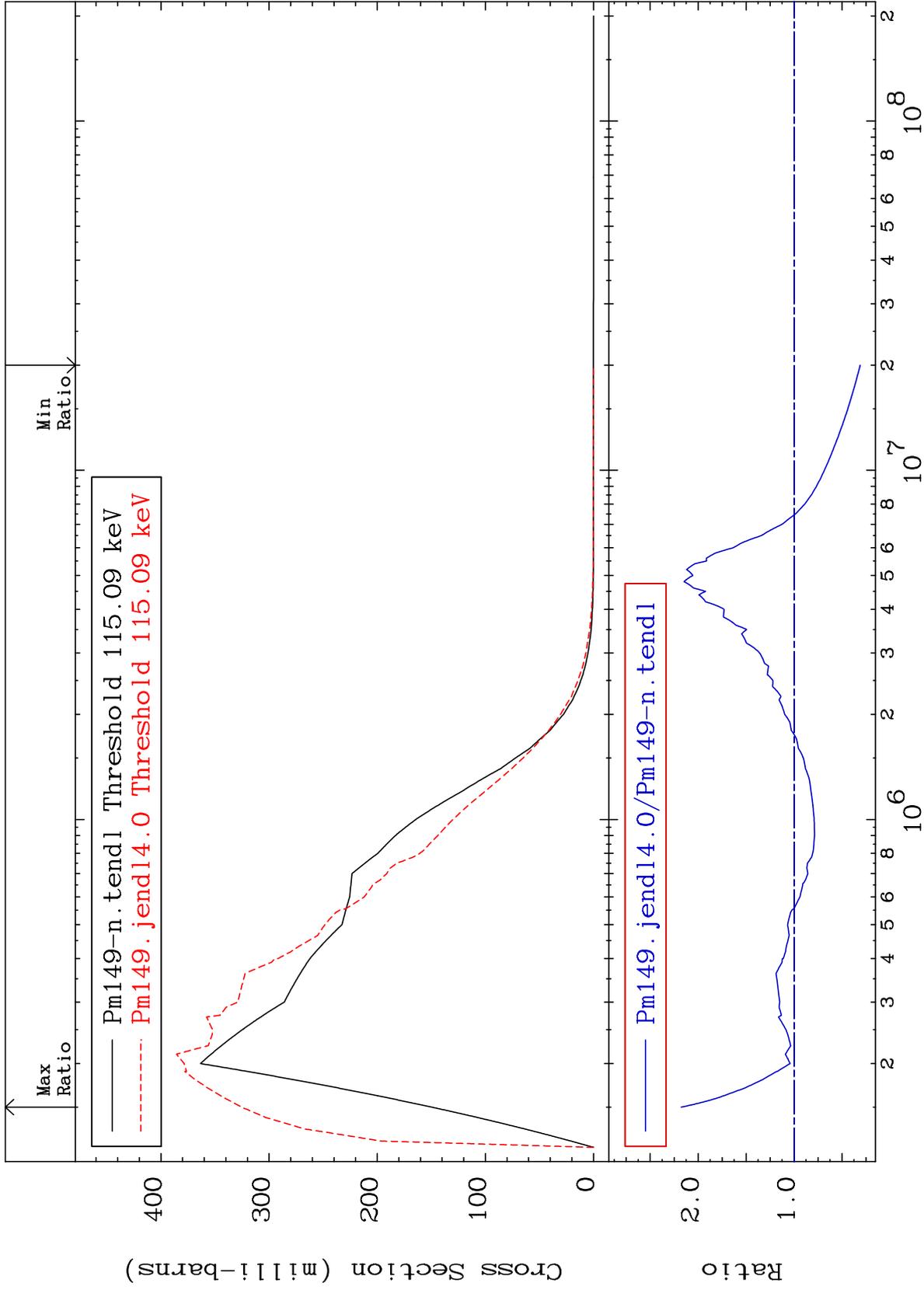
61-Pm-149
-100.0 To 2801. %



61-Pm-149



MAT 6155 114.3 keV (n,n') Level 61-Pm-149
 Cross Section -68.92 To 117.7 %



12 61-Pm-149

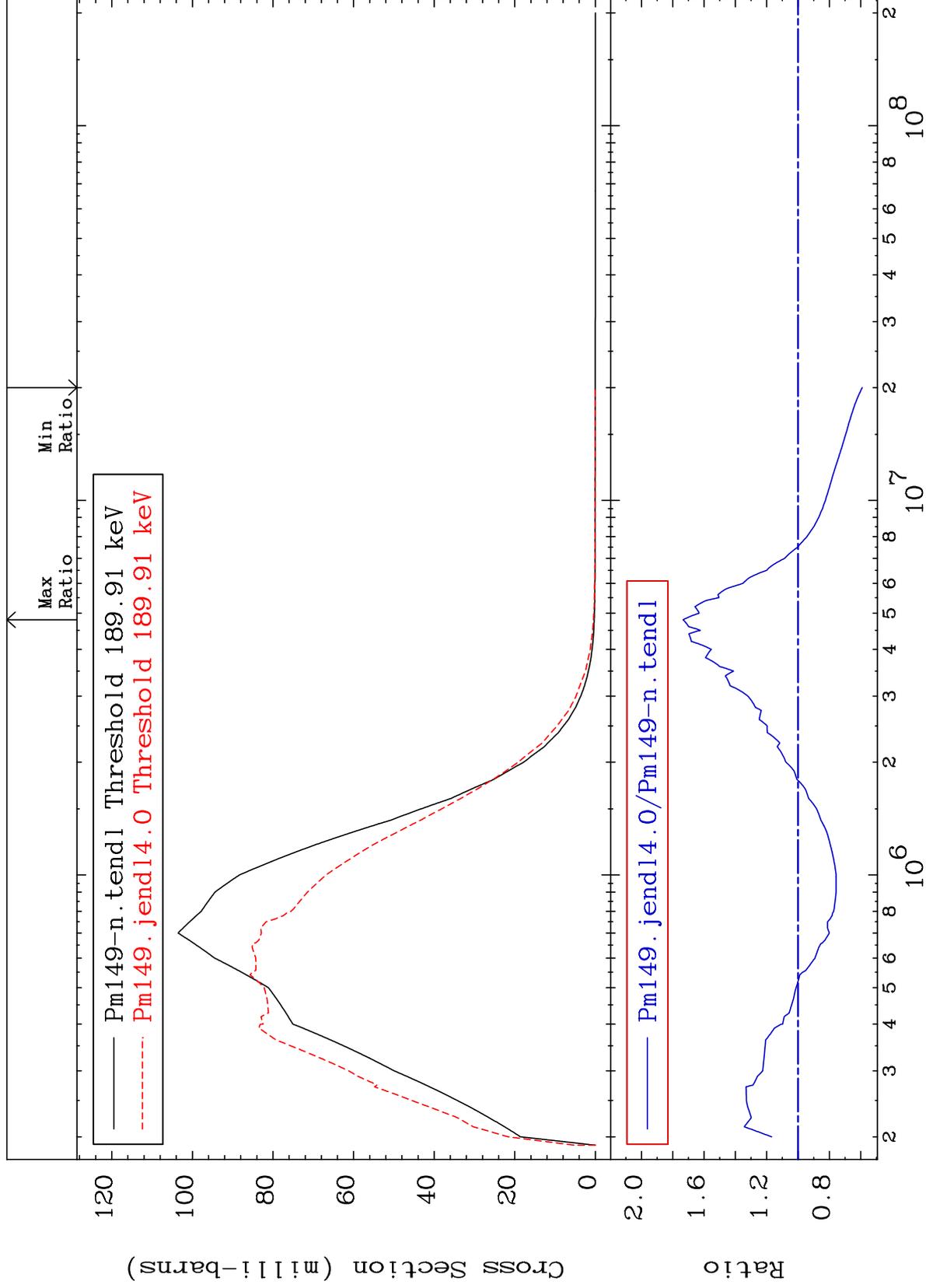
MAT 6155

188.6 keV (n,n') Level

61-Pm-149

-40.95 To 73.44 %

Cross Section



13

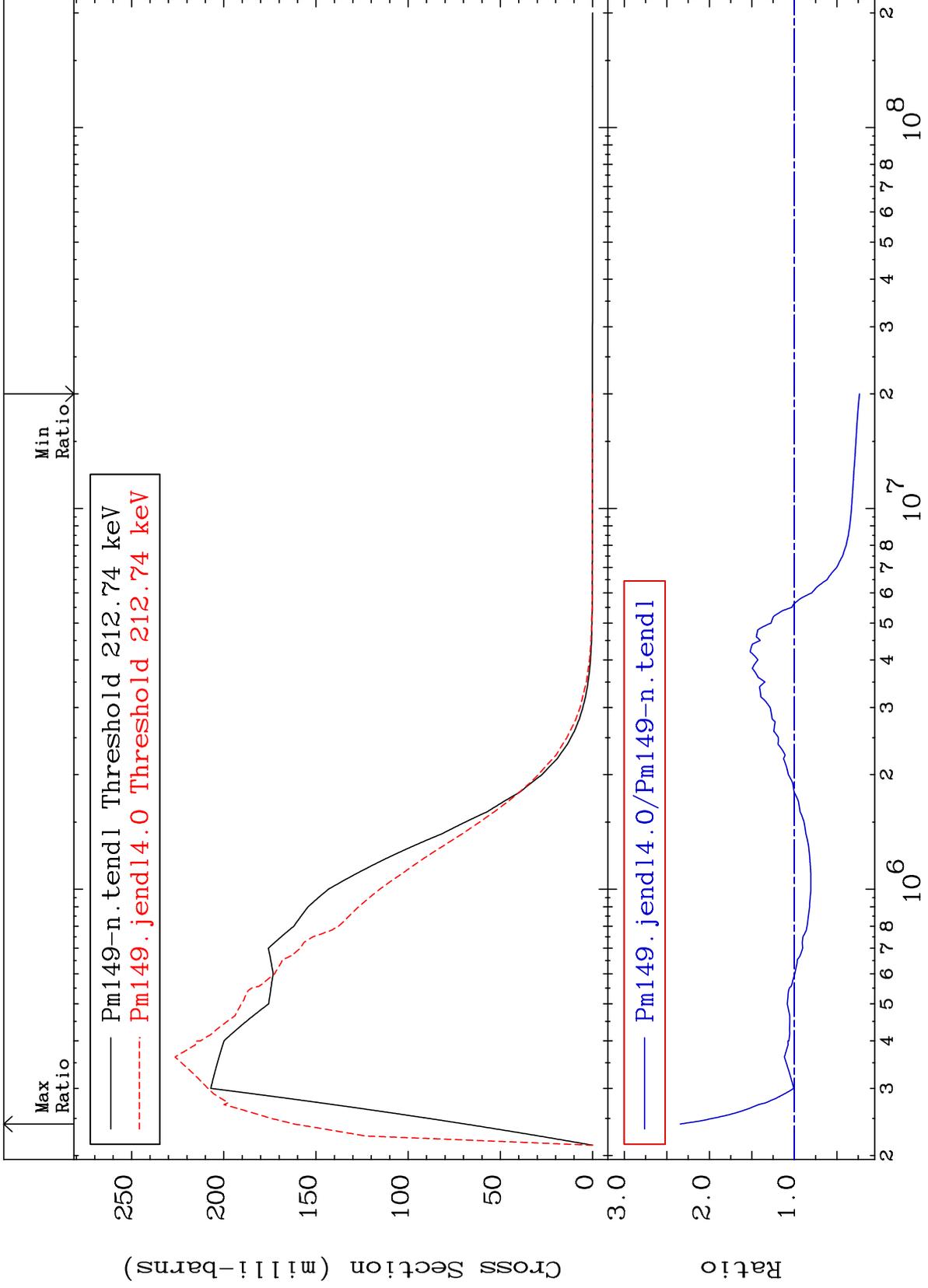
61-Pm-149

61-Pm-149

MAT 6155

211.3 keV (n,n') Level
Cross Section

61-Pm-149
-76.57 To 134.3 %



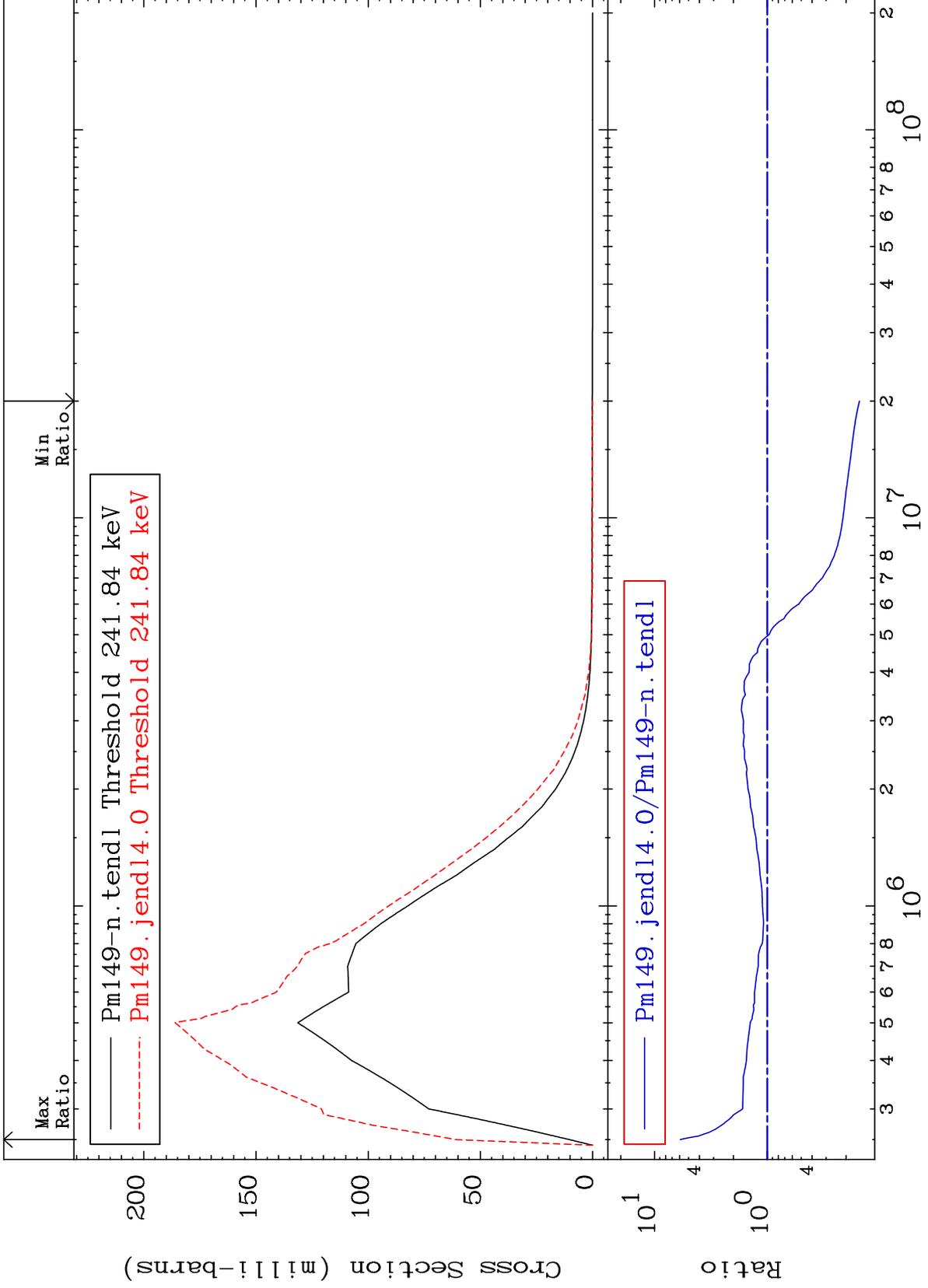
14

61-Pm-149

MAT 6155

240.2 keV (n,n') Level
Cross Section

61-Pm-149
-84.81 To 492.1 %



15

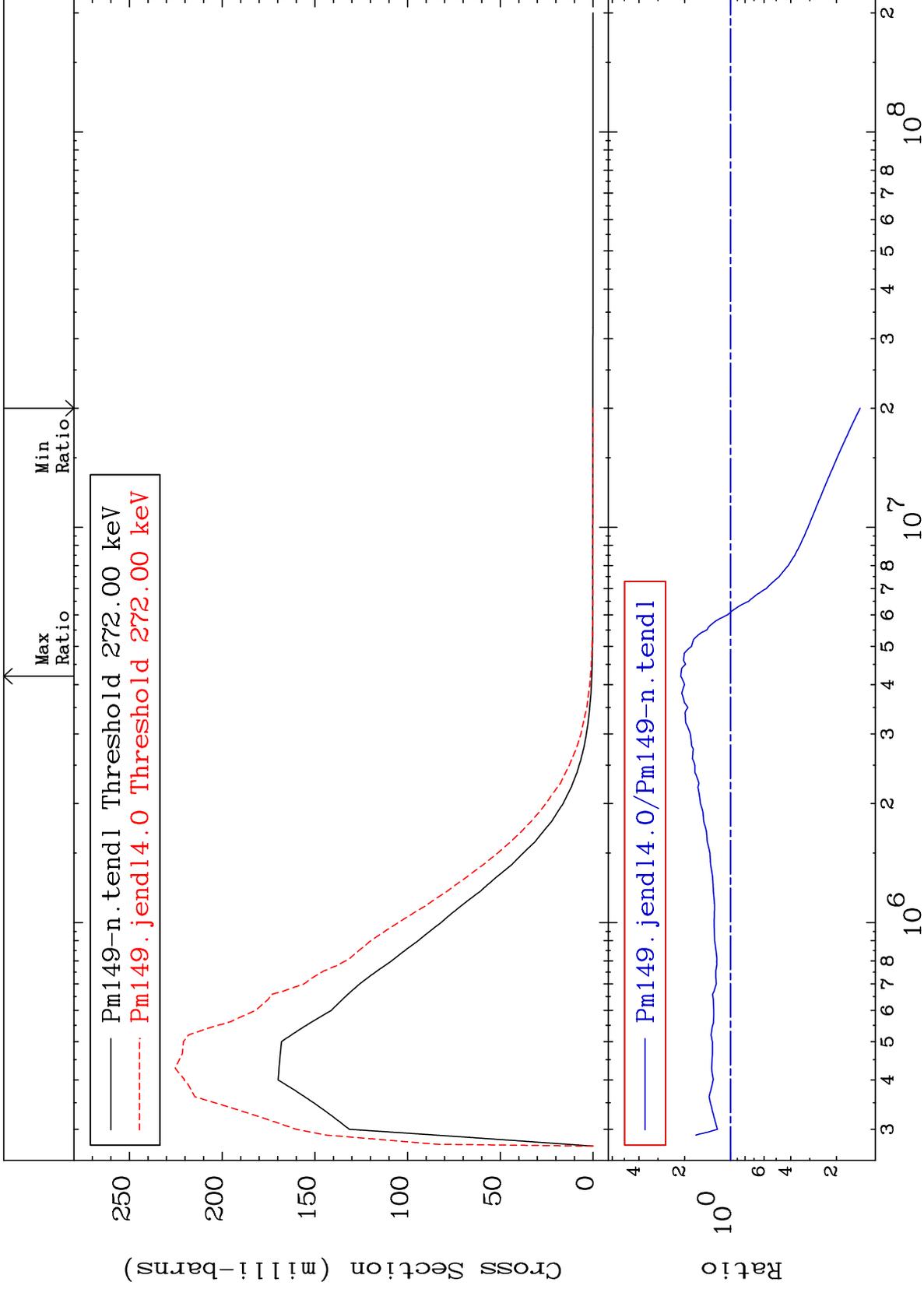
Incident Energy (eV)

61-Pm-149

MAT 6155

270.2 keV (n,n') Level
Cross Section

61-Pm-149
-86.01 To 112.3 %



16

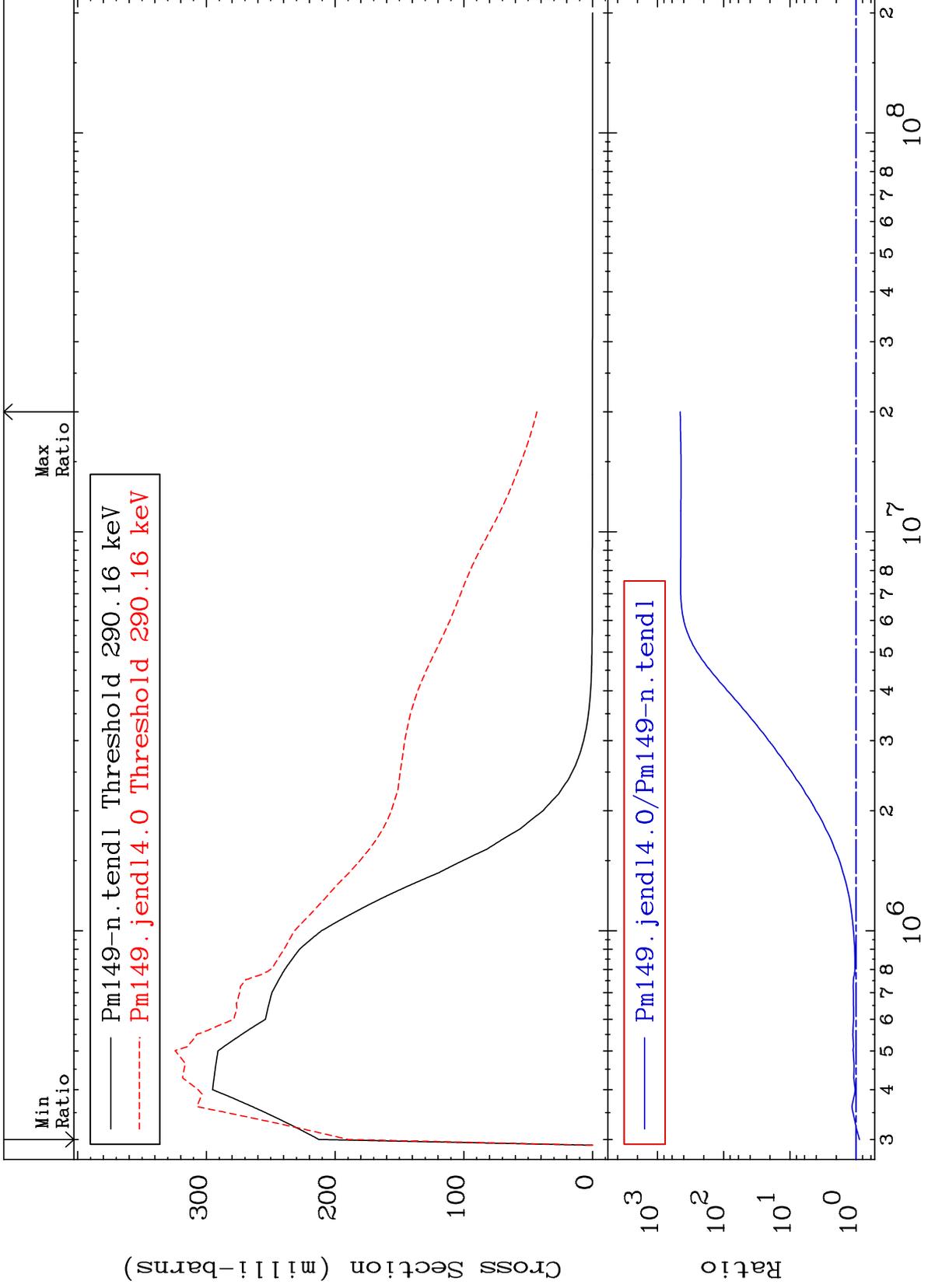
Incident Energy (eV)

61-Pm-149

MAT 6155

288.2 keV (n,n') Level
Cross Section

61-Pm-149
-10.68 To 9999. %



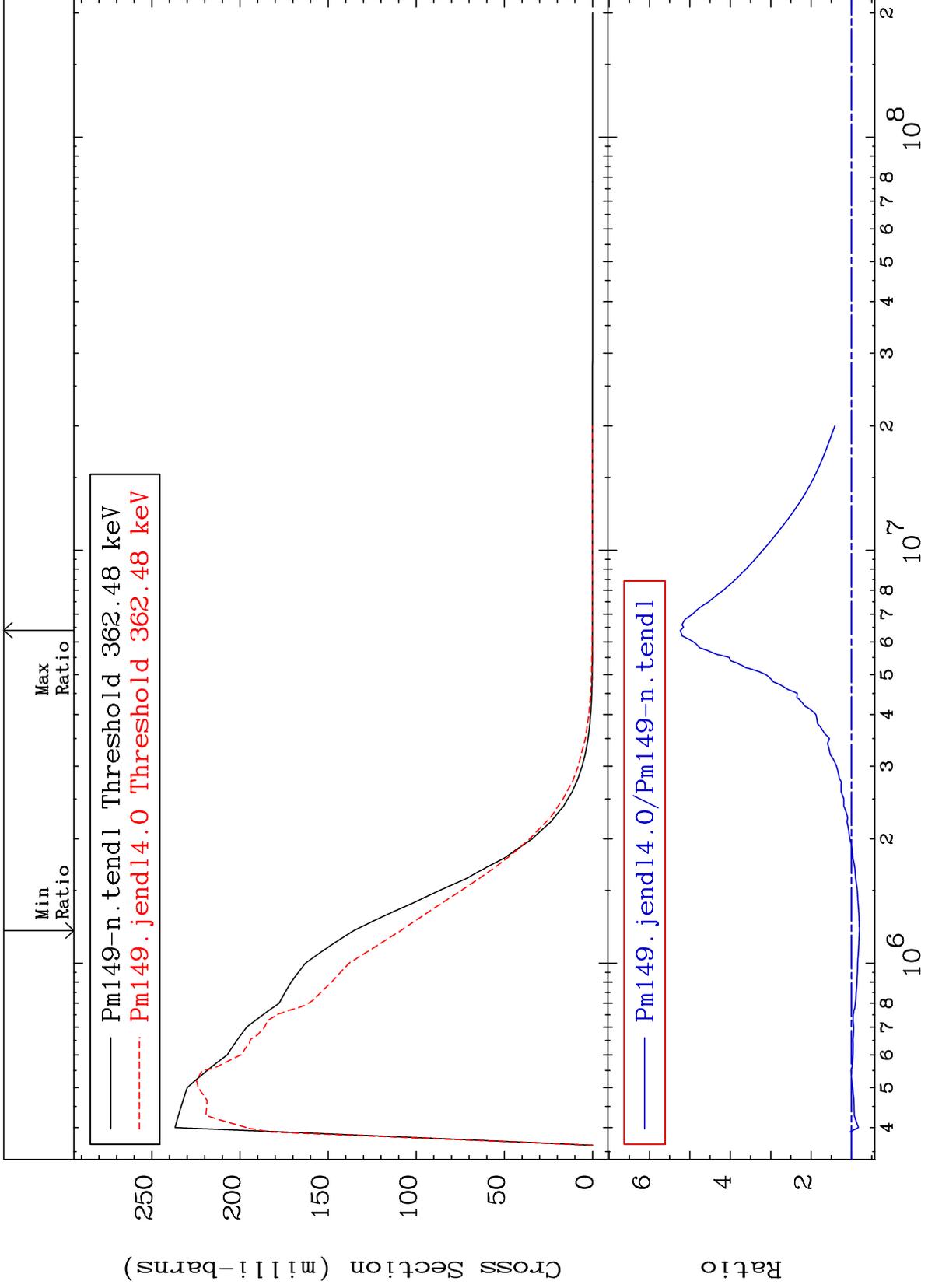
17

61-Pm-149

MAT 6155

360.0 keV (n,n') Level
Cross Section

61-Pm-149
-19.70 To 423.8 %



18

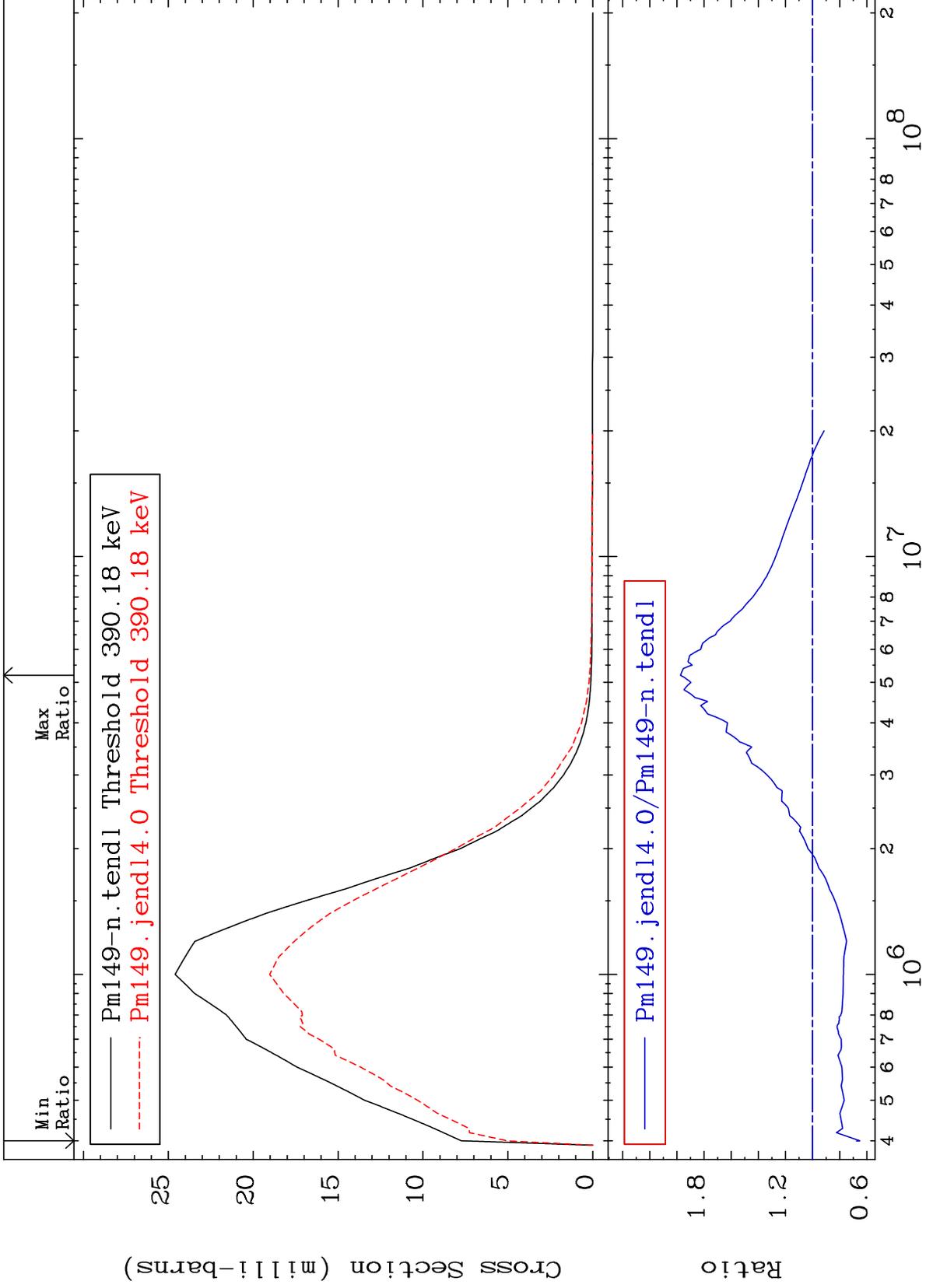
Incident Energy (eV)

61-Pm-149

MAT 6155

387.6 keV (n,n') Level
Cross Section

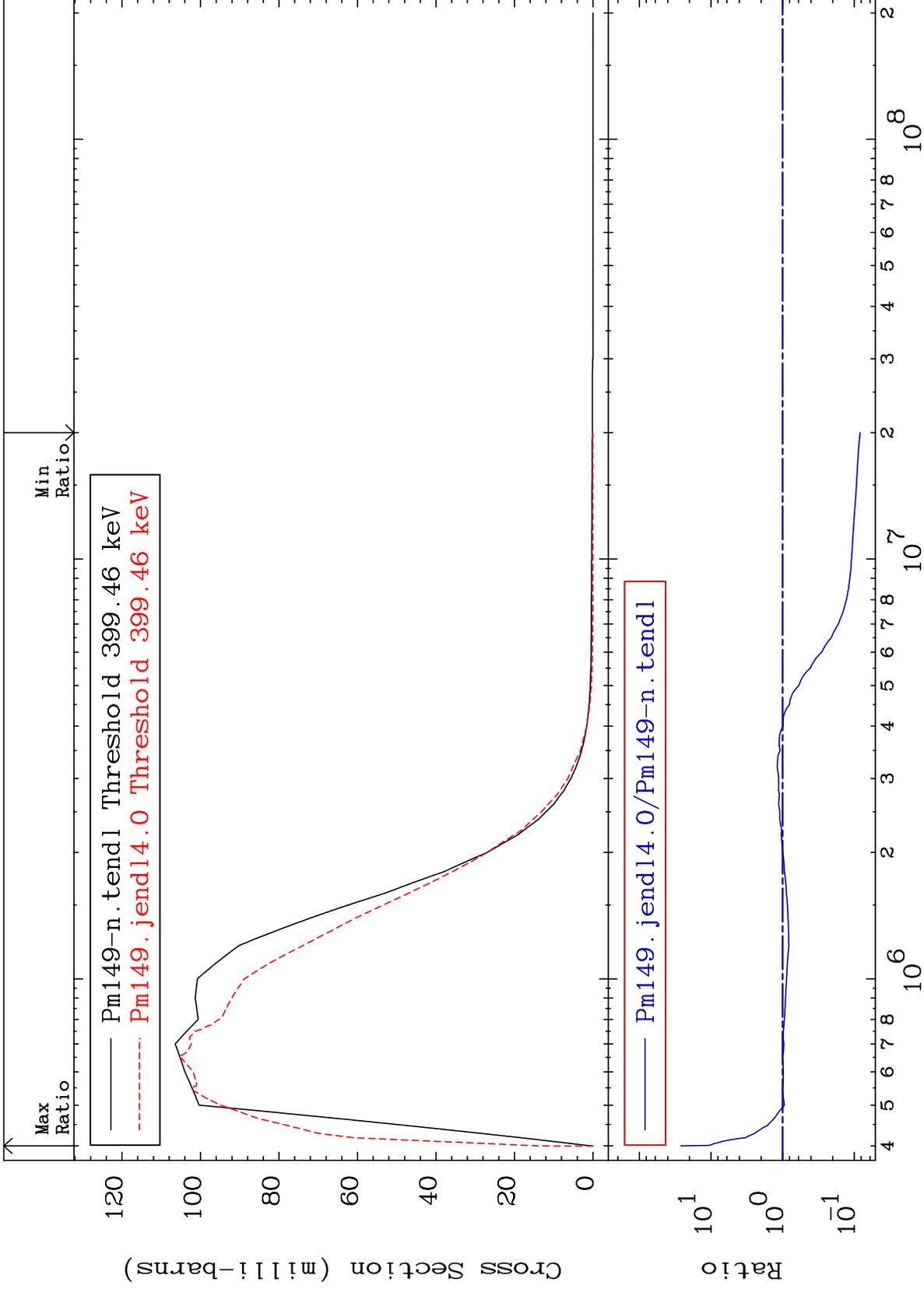
61-Pm-149
-34.70 To 97.32 %



MAT 6155

396.8 keV (n,n') Level
Cross Section

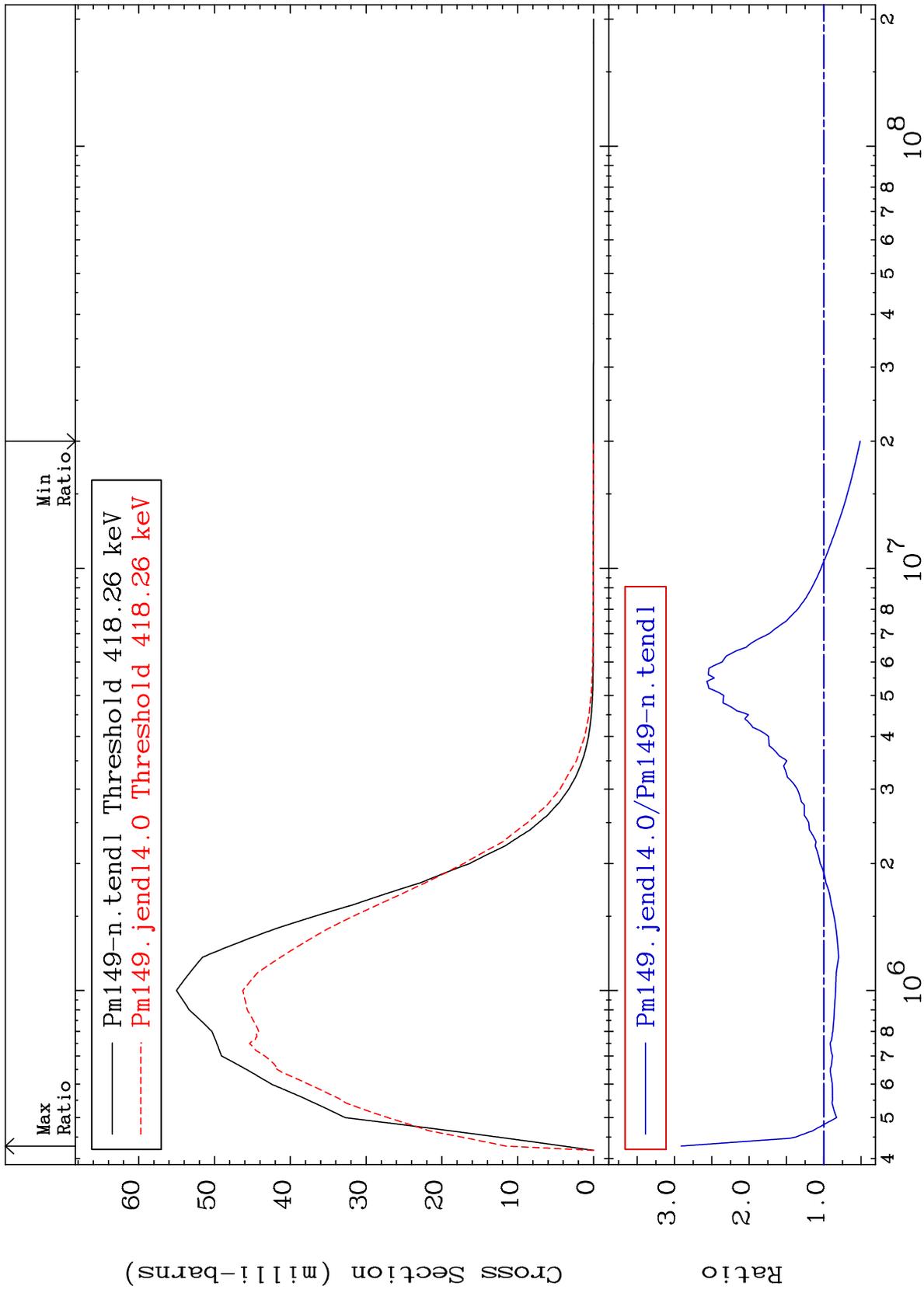
61-Pm-149
-91.72 To 2542. %



20

61-Pm-149

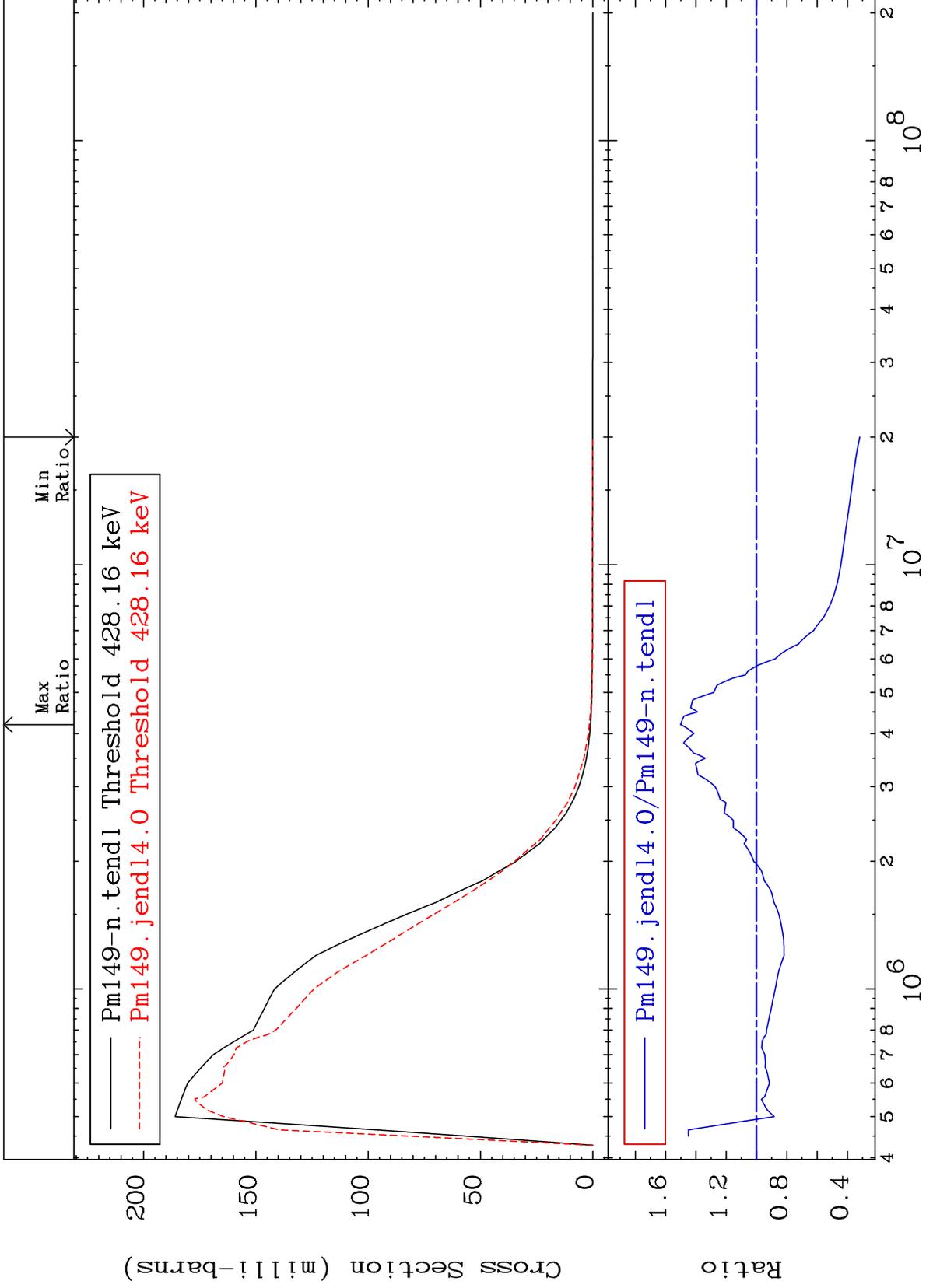
MAT 6155 415.4 keV (n,n') Level 61-Pm-149
 Cross Section -48.90 To 191.1 %



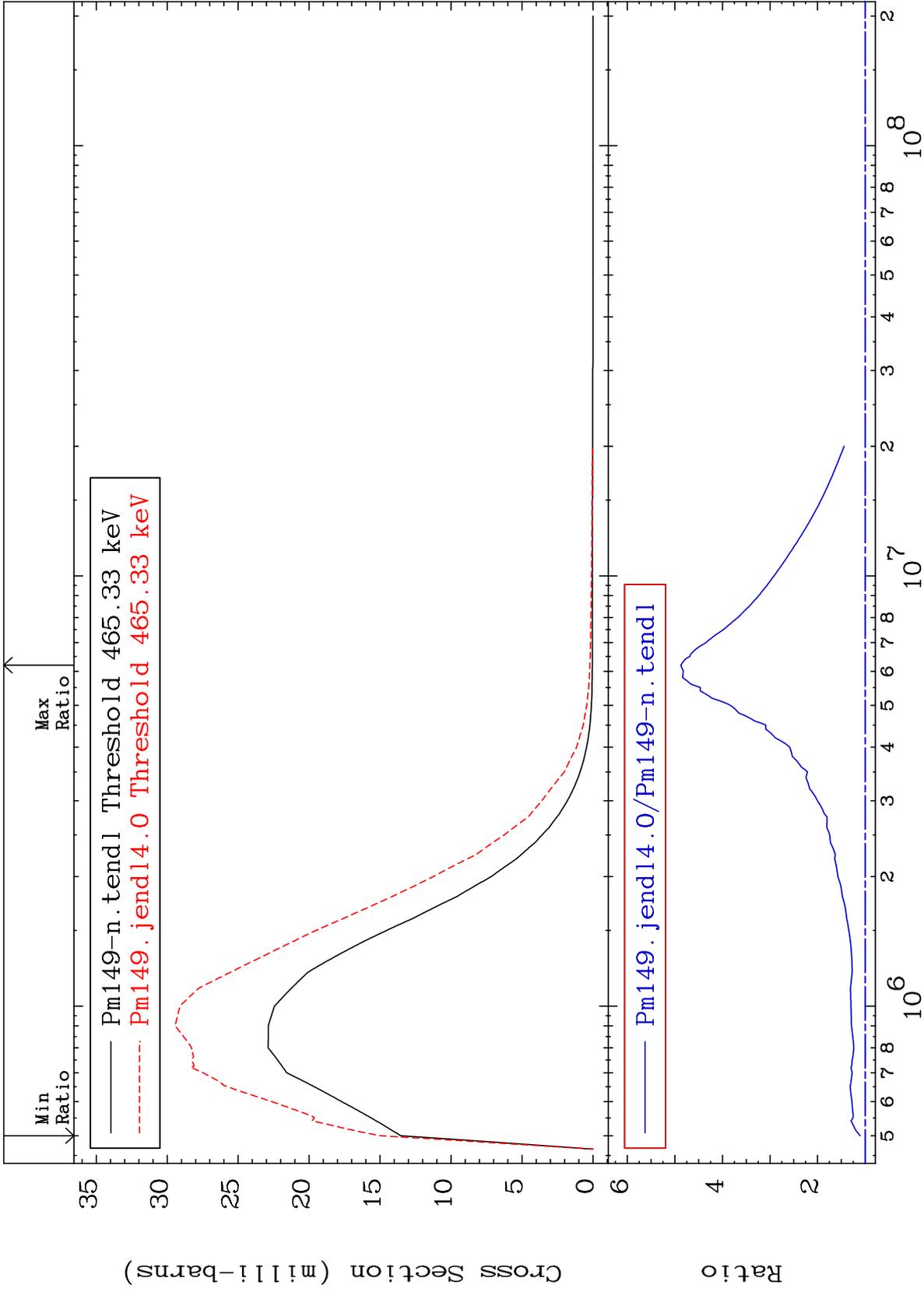
MAT 6155

425.3 keV (n,n') Level
Cross Section

61-Pm-149
-68.16 To 50.18 %



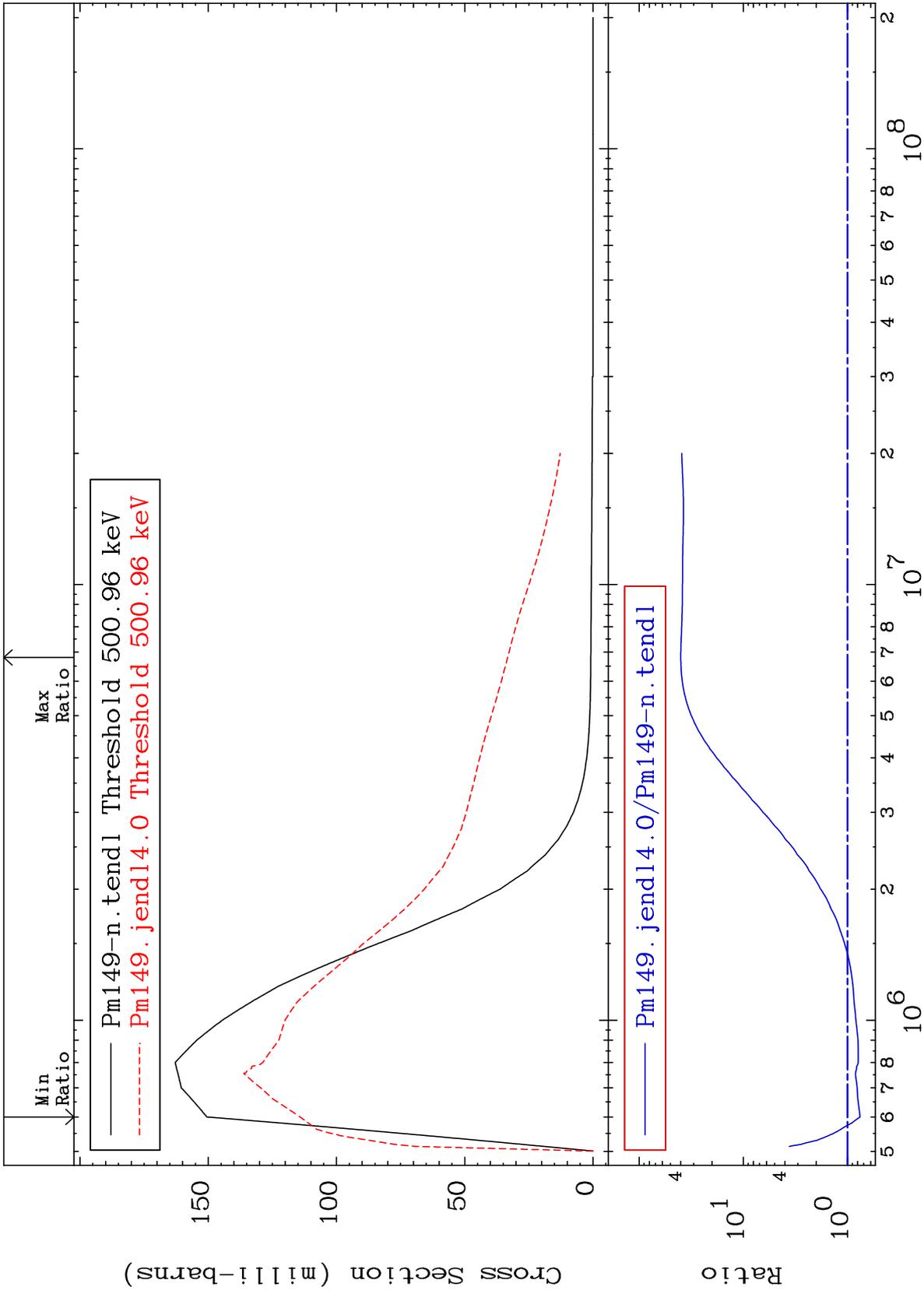
MAT 6155 462.2 keV (n,n') Level 61-Pm-149
 Cross Section 10.52 To 387.7 %



MAT 6155

497.6 keV (n,n') Level
Cross Section

61-Pm-149
-24.18 To 3892. %



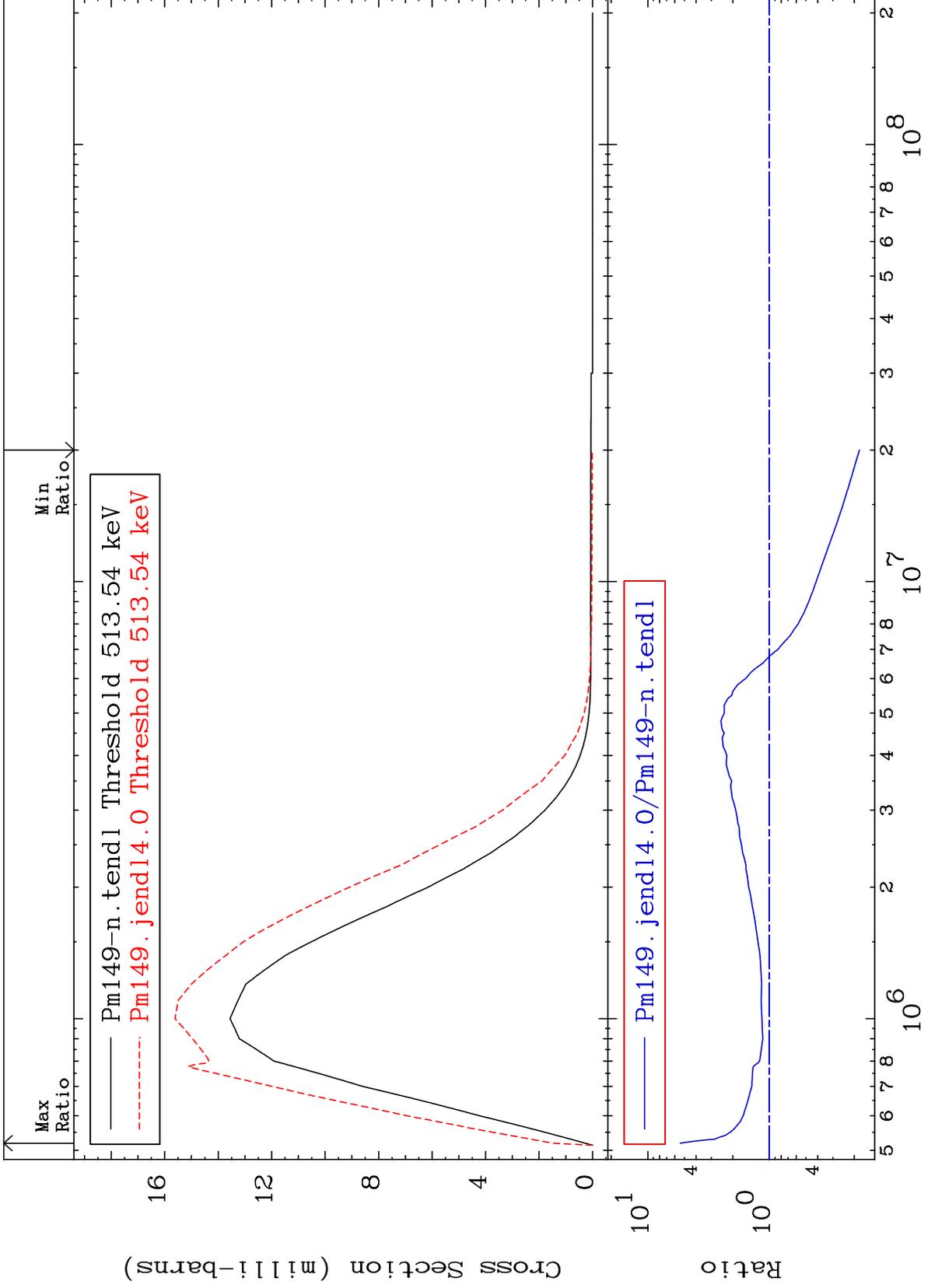
24

61-Pm-149

MAT 6155

510.1 keV (n,n') Level
Cross Section

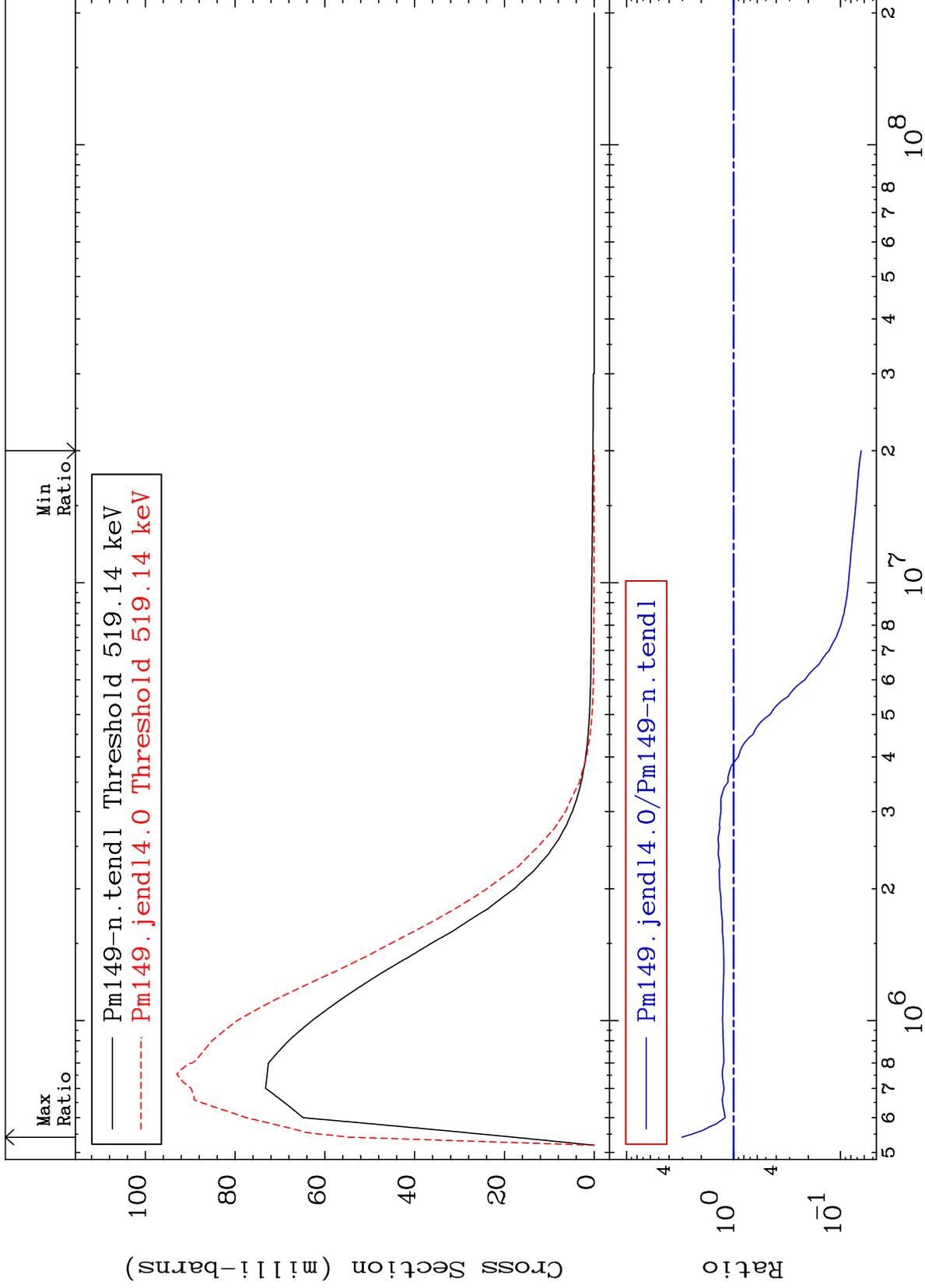
61-Pm-149
-81.87 To 440.4 %



MAT 6155

515.6 keV (n,n') Level
Cross Section

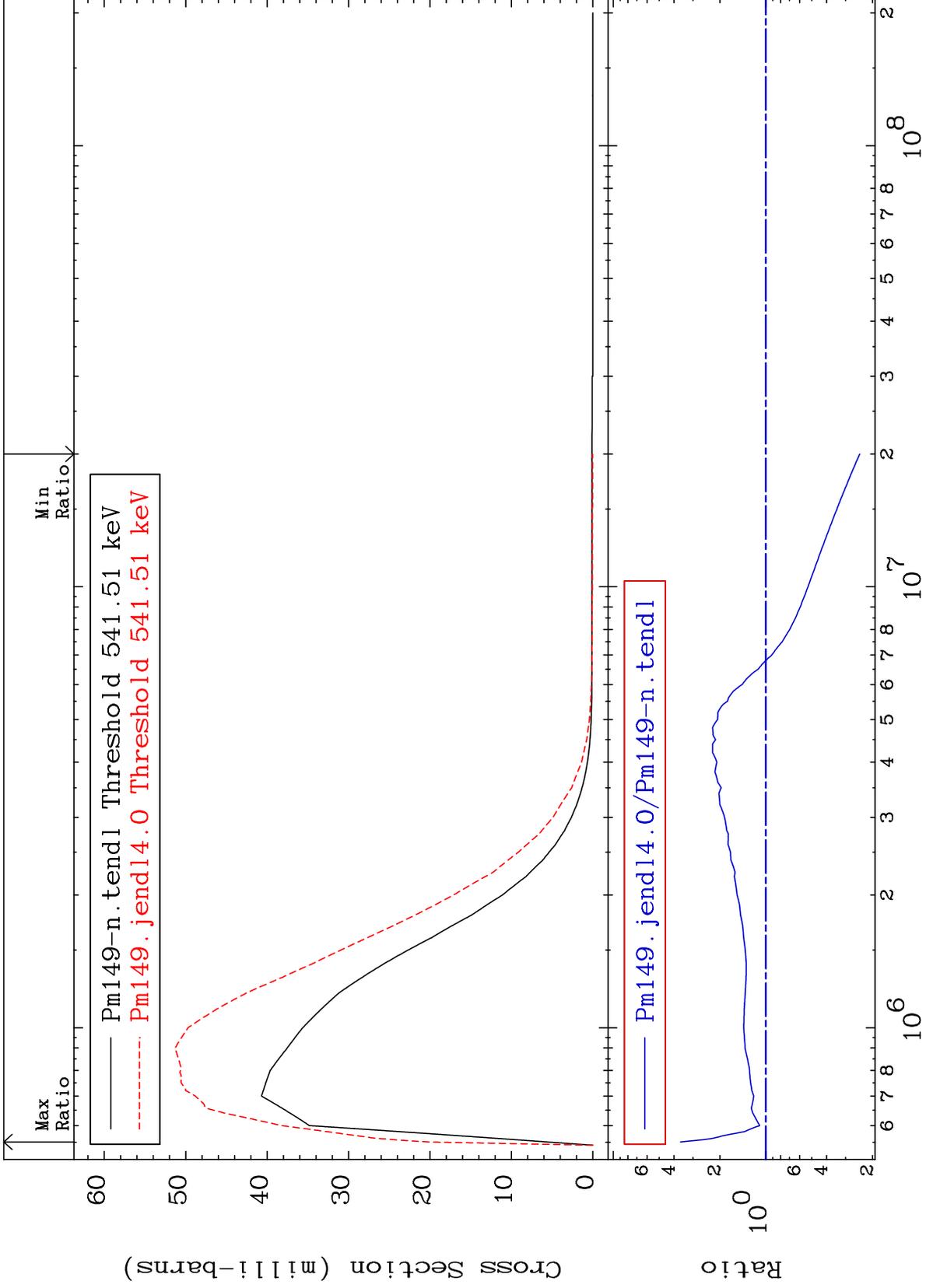
61-Pm-149
-93.58 To 203.8 %



MAT 6155

537.9 keV (n,n') Level
Cross Section

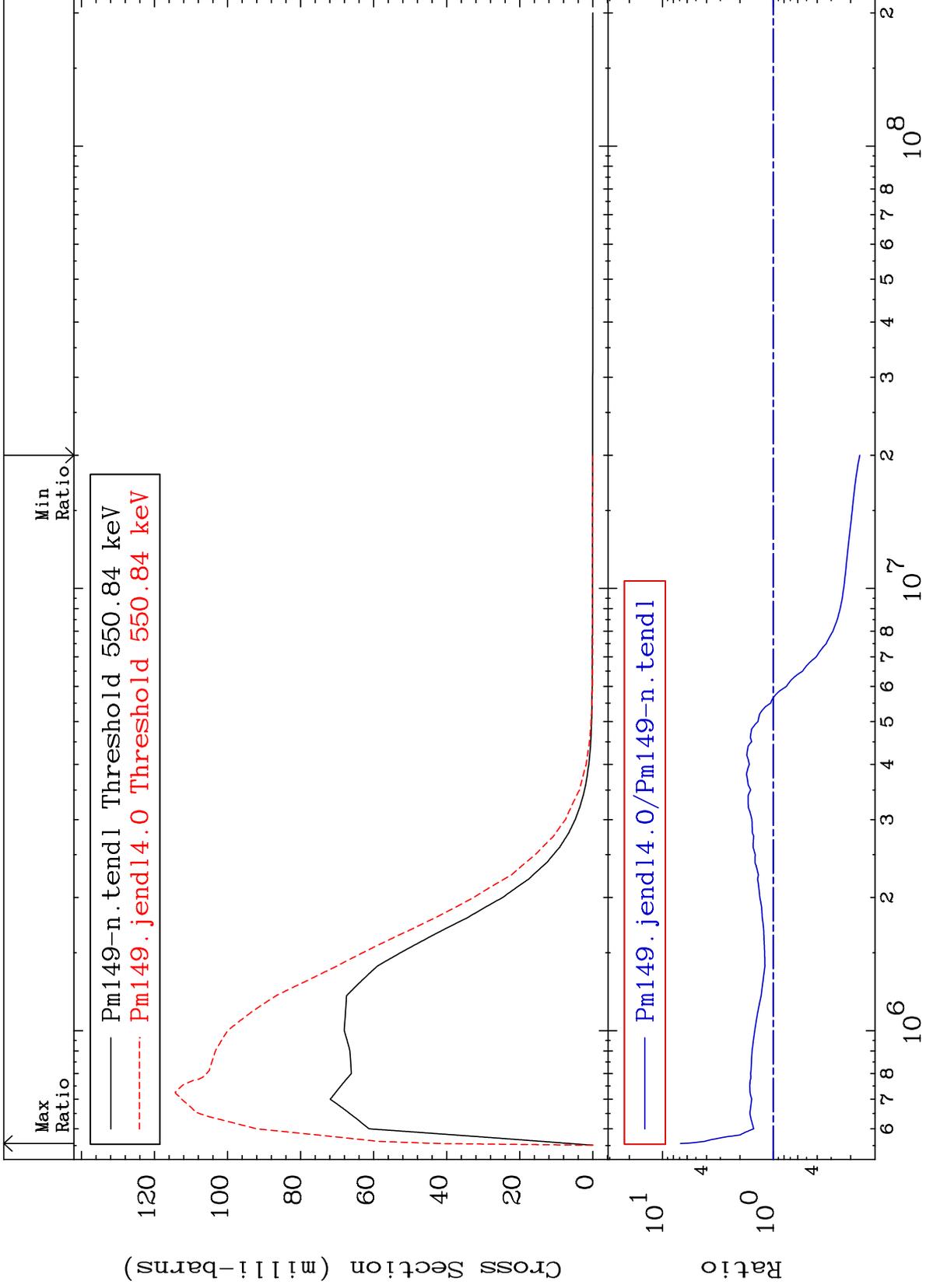
61-Pm-149
-75.77 To 262.0 %



MAT 6155

547.1 keV (n,n') Level
Cross Section

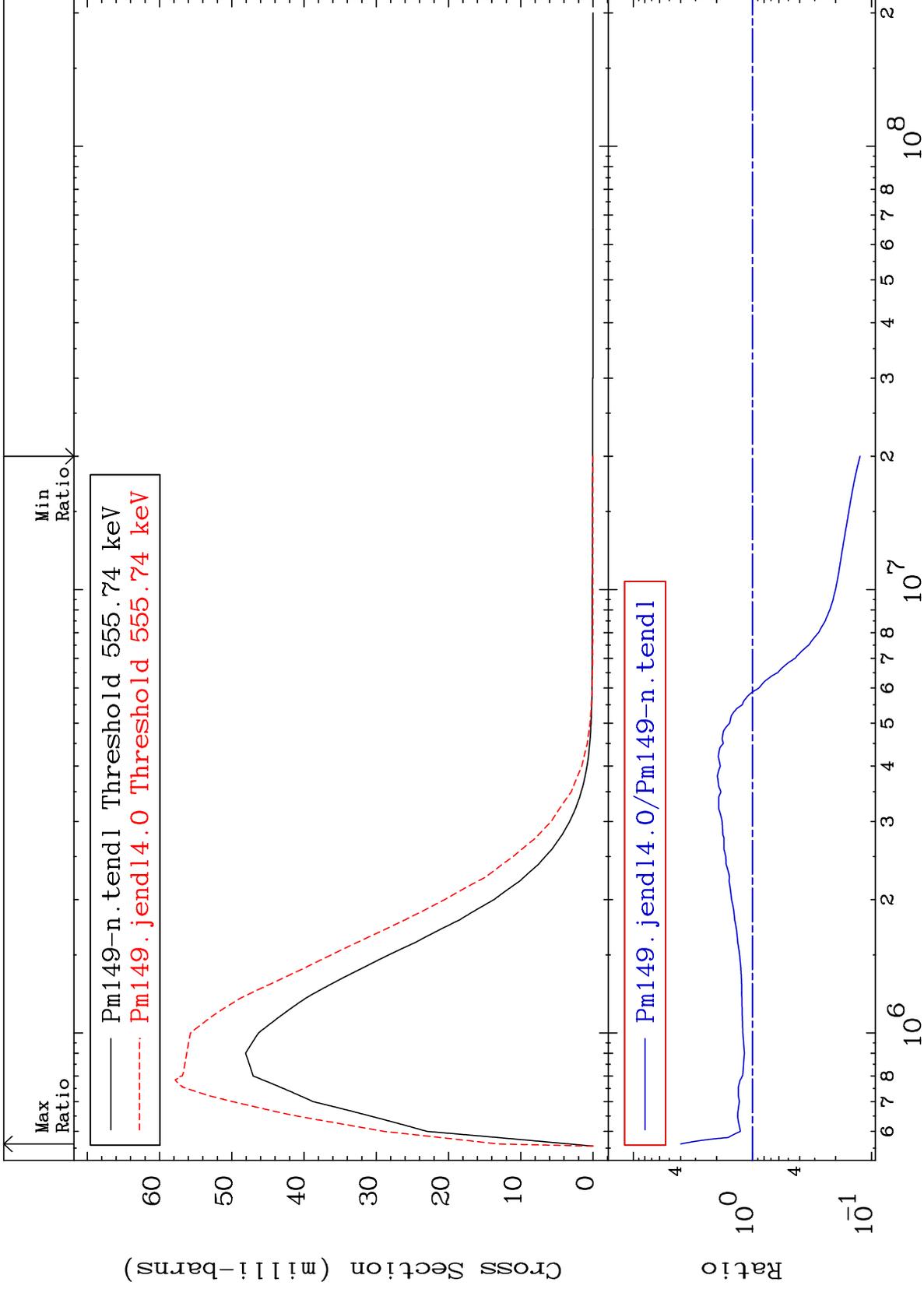
61-Pm-149
-83.49 To 588.2 %



MAT 6155

552.0 keV (n,n') Level
Cross Section

61-Pm-149
-87.53 To 299.5 %



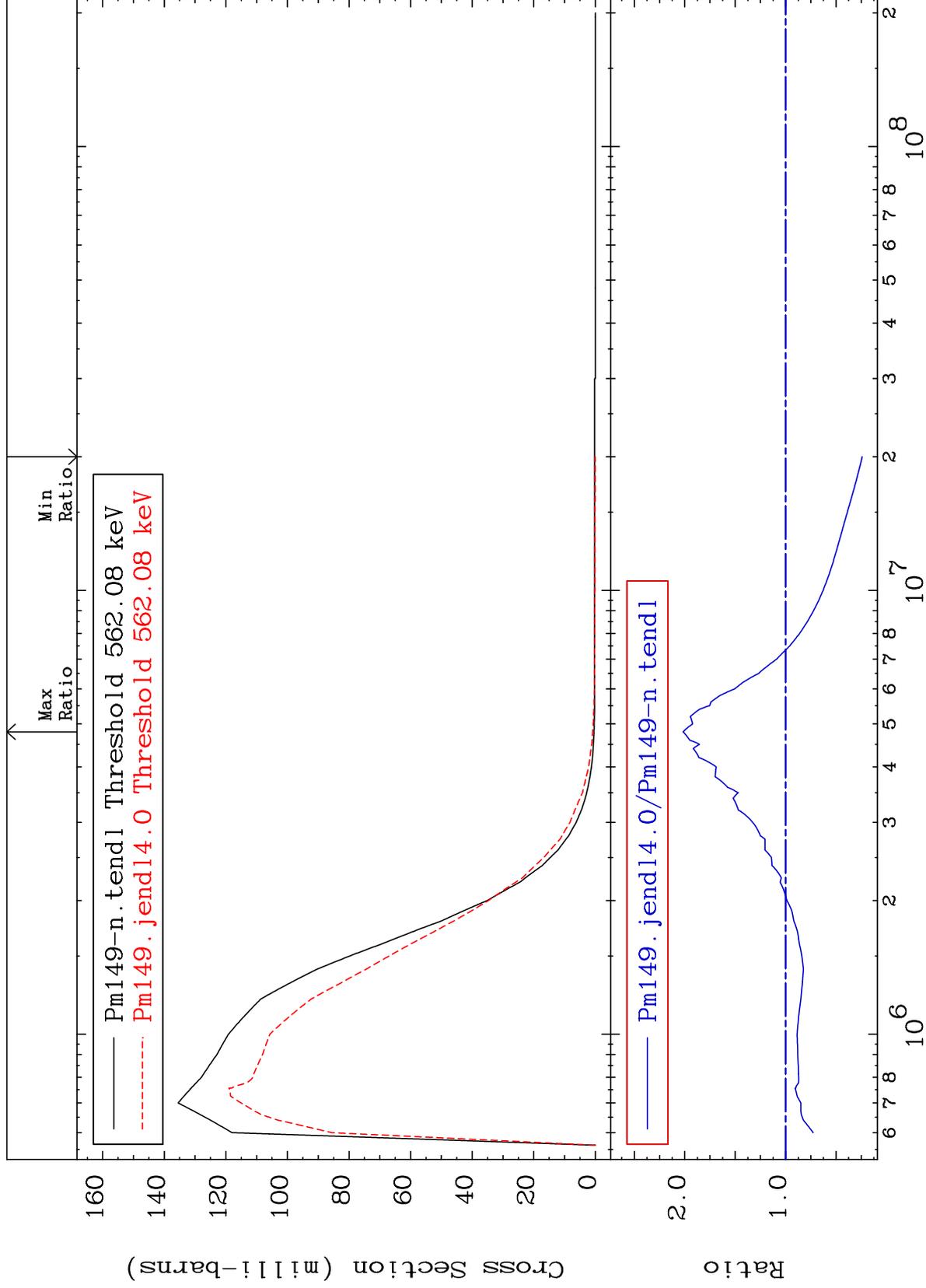
MAT 6155

558.3 keV (n,n') Level

61-Pm-149

-75.87 To 101.7 %

Cross Section



30

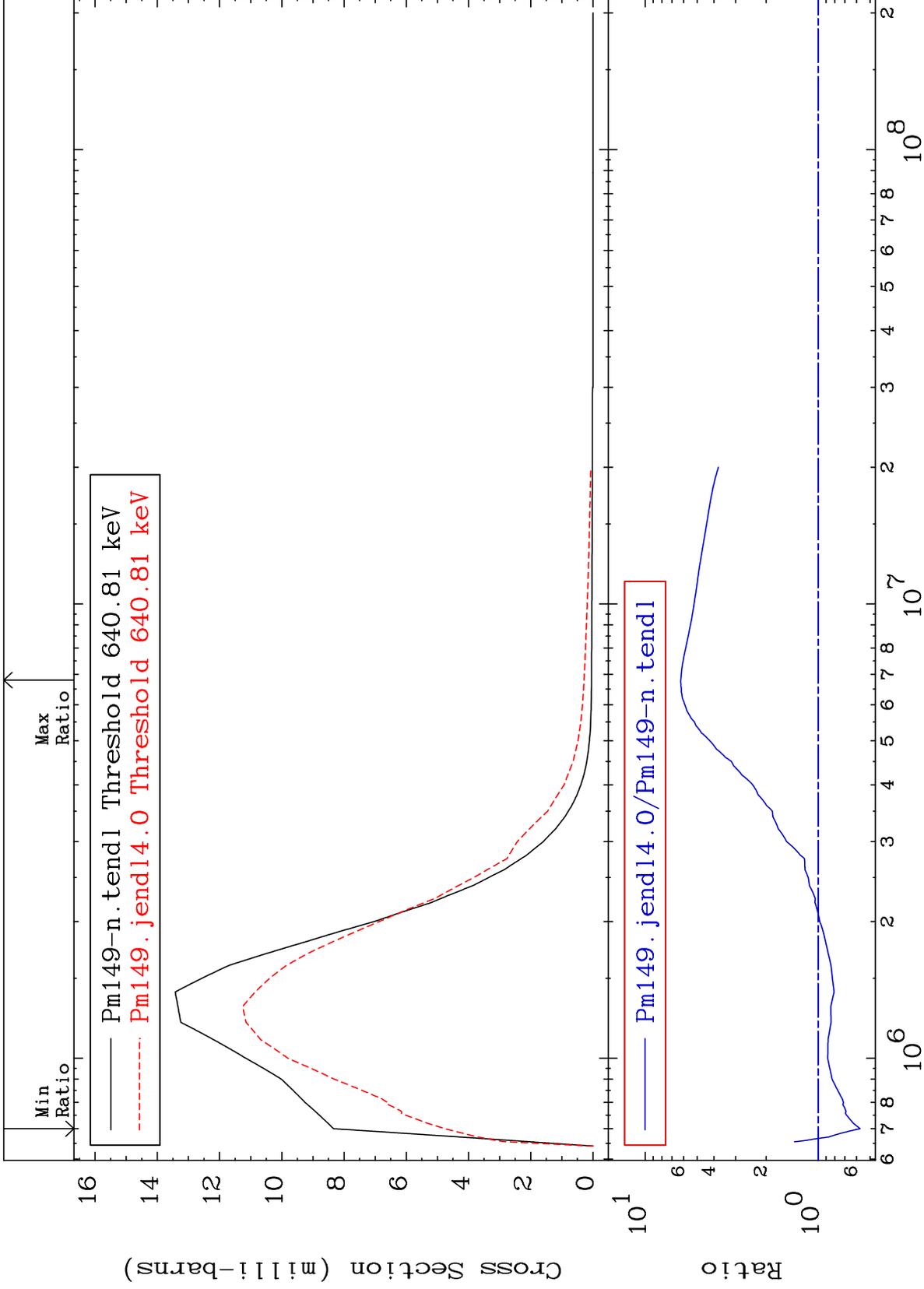
Incident Energy (eV)

61-Pm-149

MAT 6155

636.5 keV (n,n') Level
Cross Section

61-Pm-149
-42.84 To 522.8 %



31

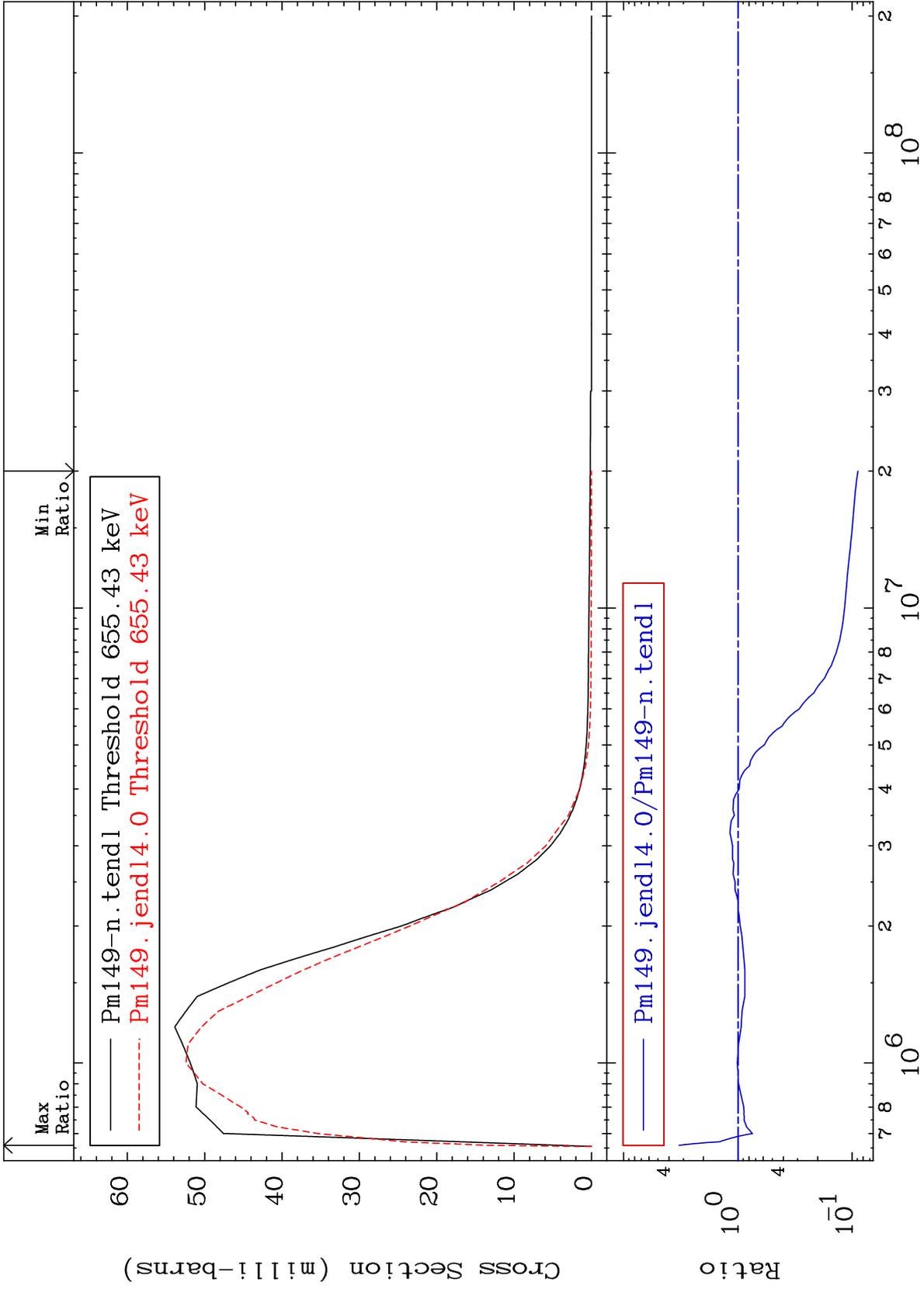
Incident Energy (eV)

61-Pm-149

MAT 6155

651.0 keV (n,n') Level
Cross Section

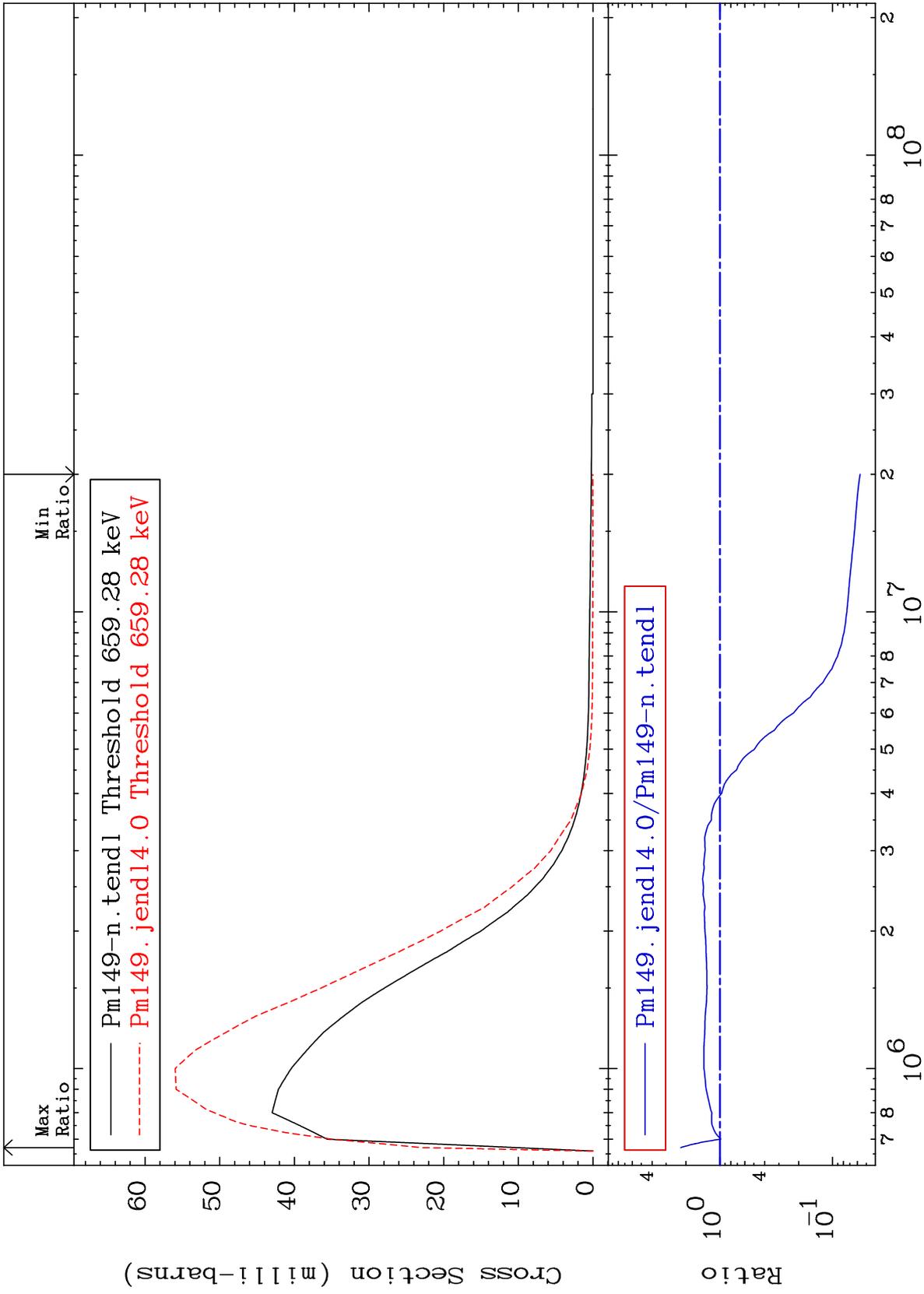
61-Pm-149
-91.11 To 227.3 %



MAT 6155

654.8 keV (n,n') Level
Cross Section

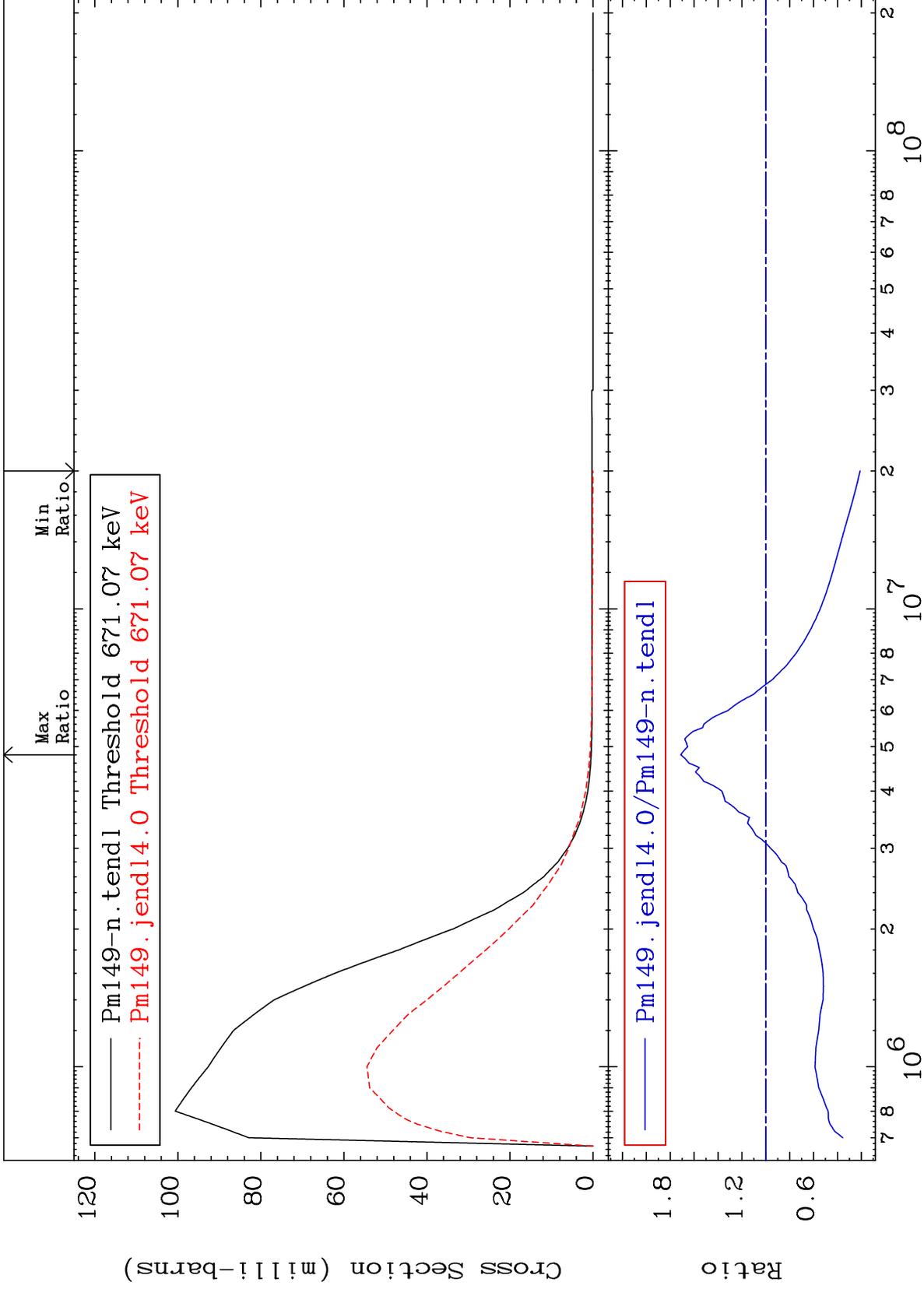
61-Pm-149
-94.31 To 122.6 %



MAT 6155

666.6 keV (n,n') Level
Cross Section

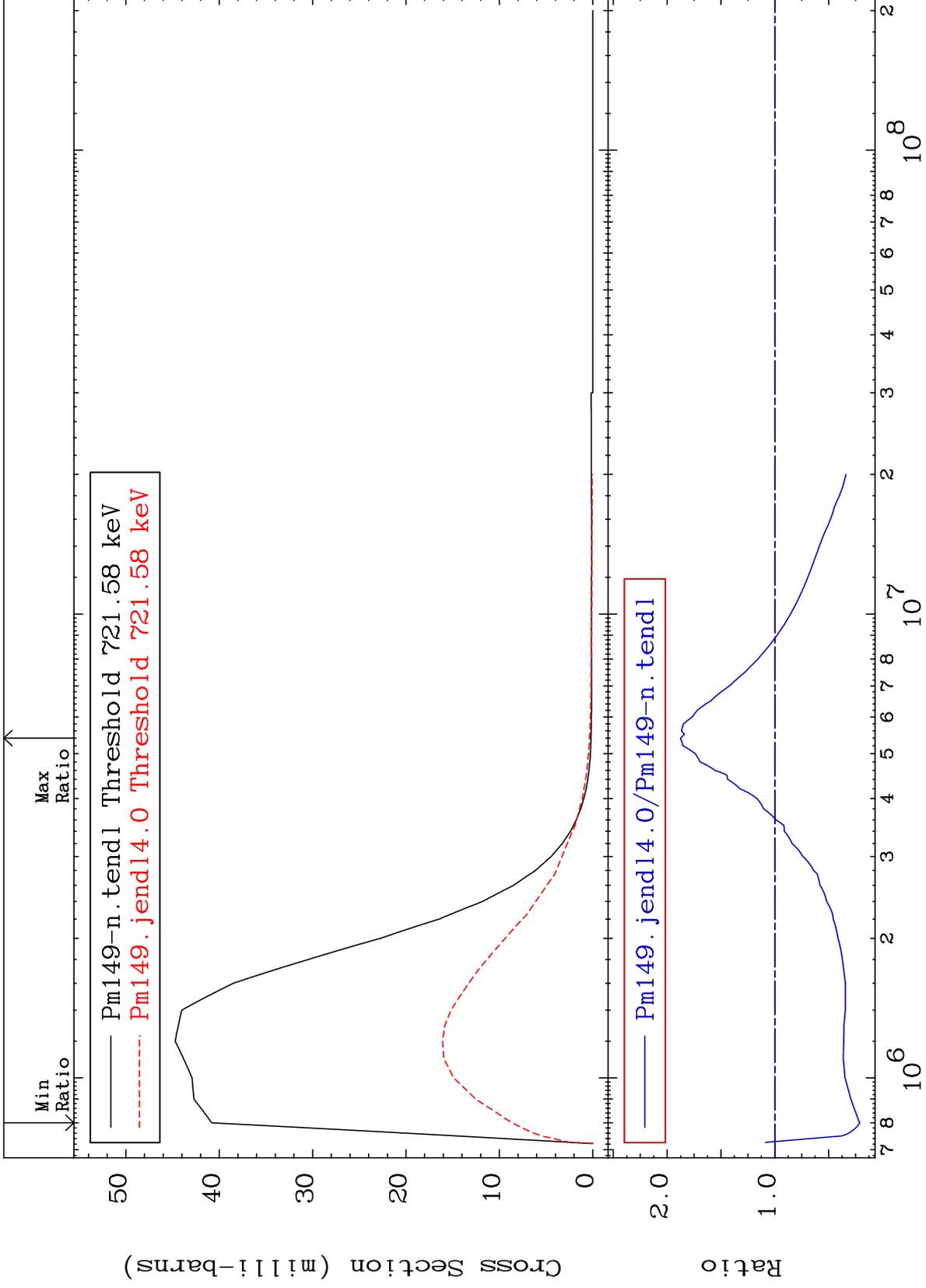
61-Pm-149
-78.95 To 71.17 %



MAT 6155

716.7 keV (n,n') Level
Cross Section

61-Pm-149
-78.95 To 87.56 %



35

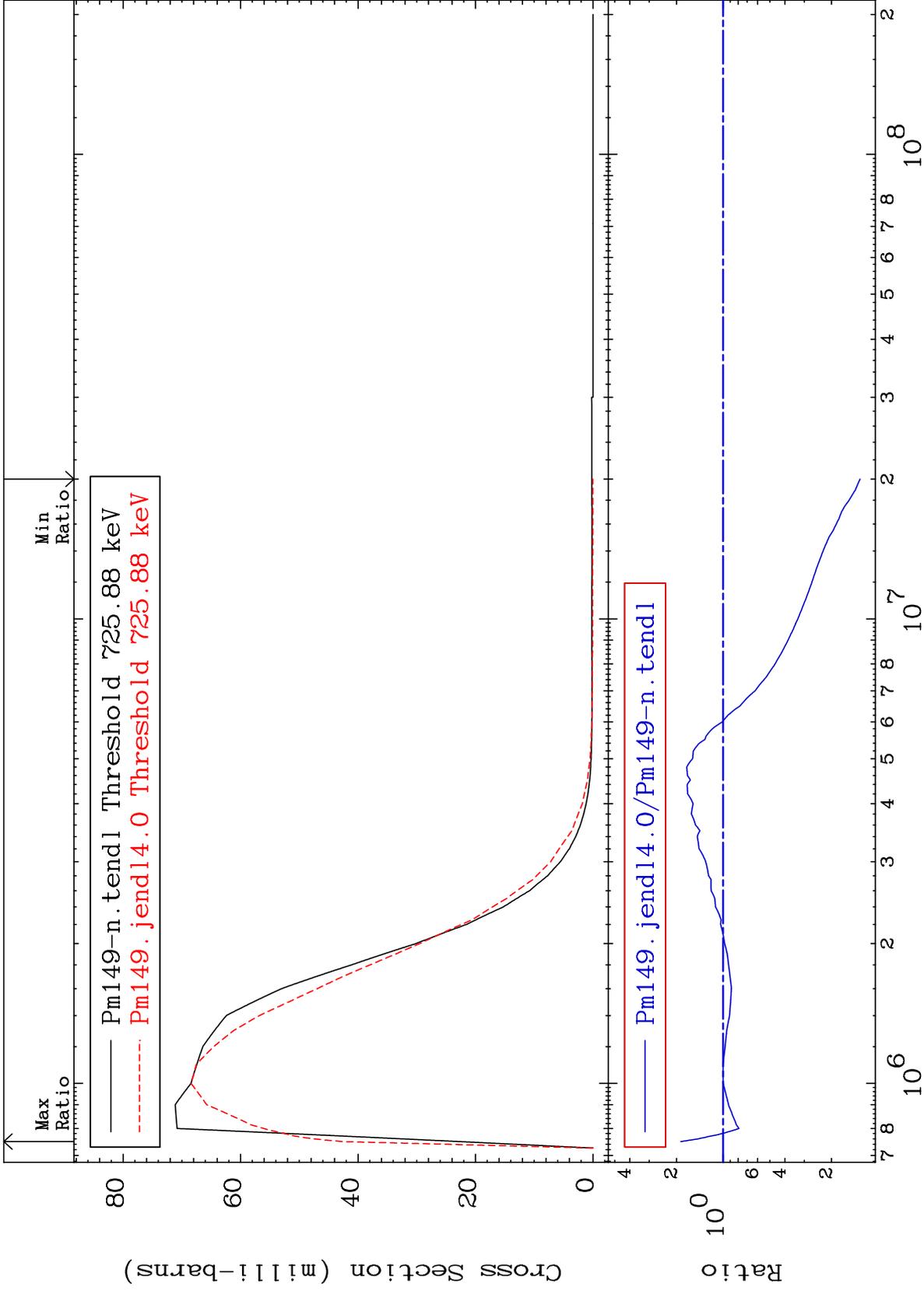
Incident Energy (eV)

61-Pm-149

MAT 6155

721.0 keV (n,n') Level
Cross Section

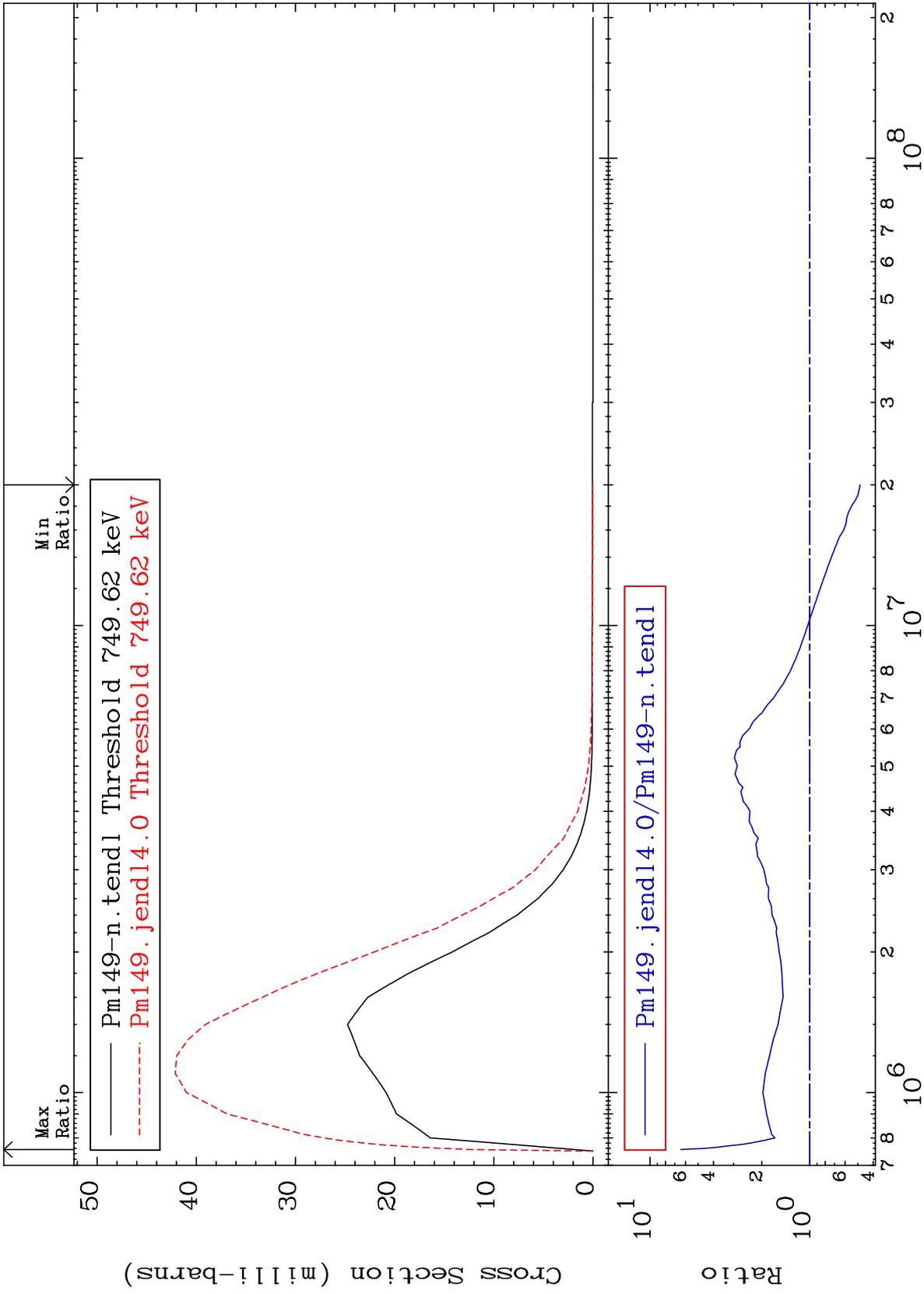
61-Pm-149
-86.90 To 87.76 %



MAT 6155

744.6 keV (n,n') Level
Cross Section

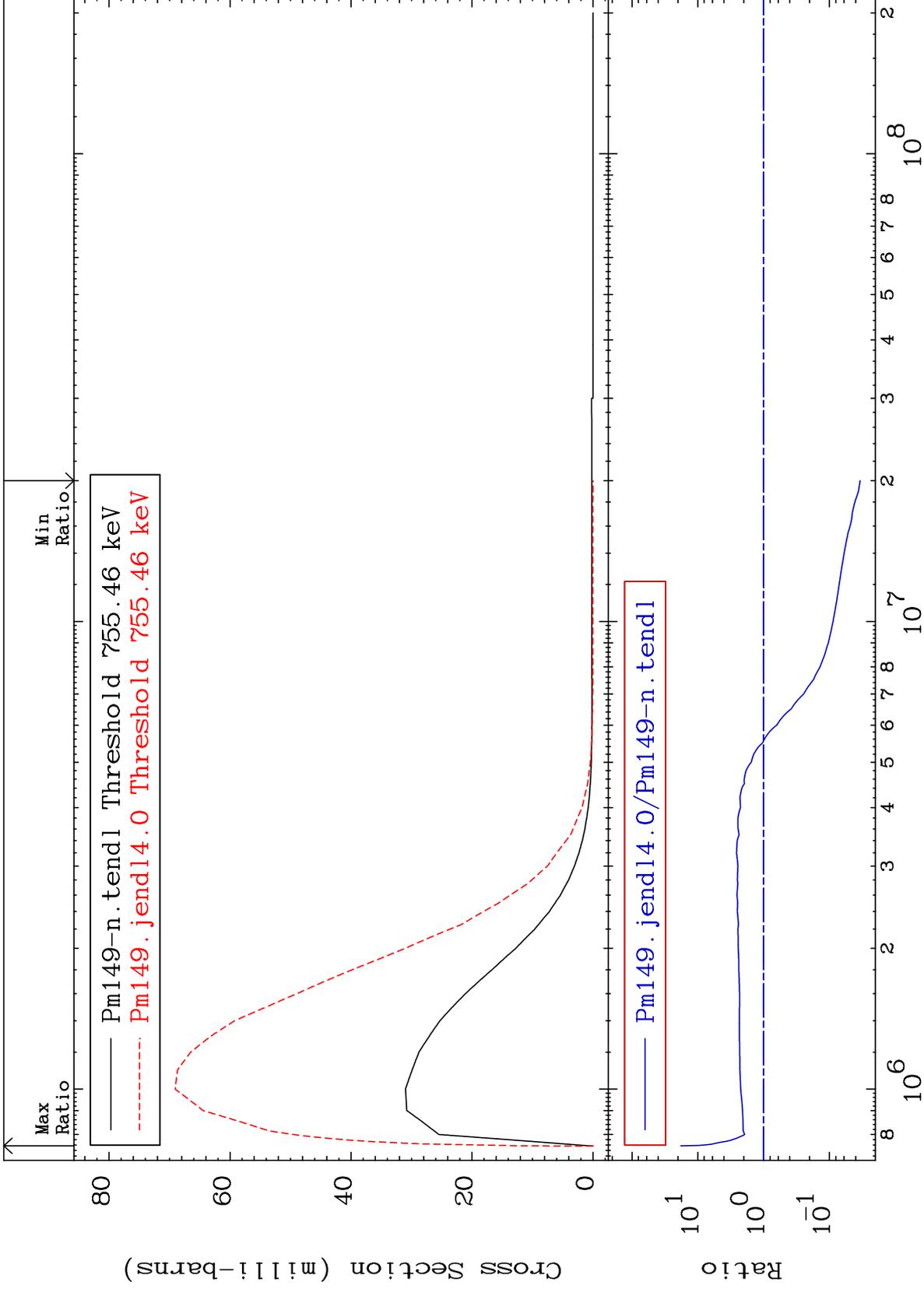
61-Pm-149
-51.63 To 541.8 %



MAT 6155

750.4 keV (n,n') Level
Cross Section

61-Pm-149
-96.58 To 1716. %



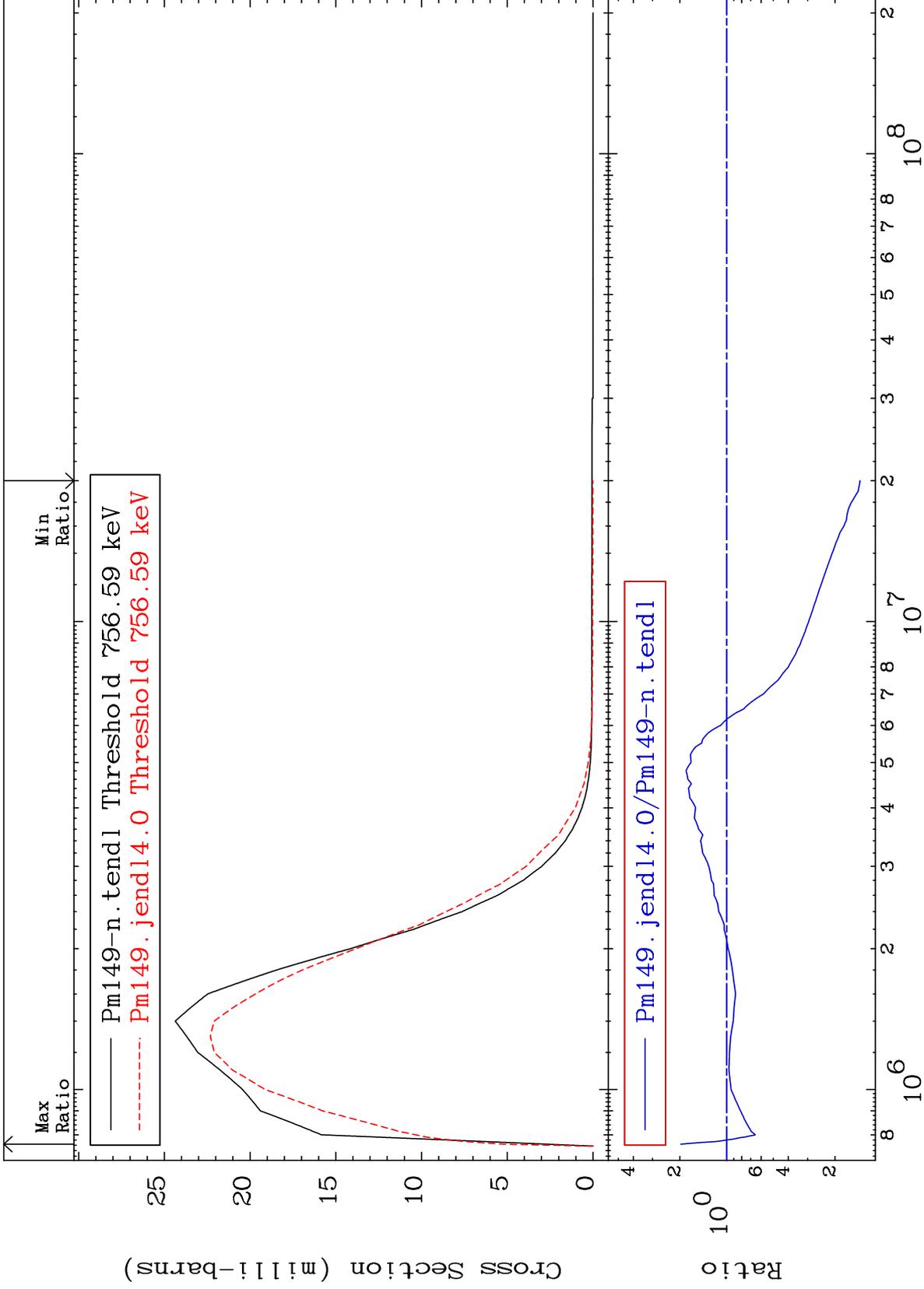
38

61-Pm-149

MAT 6155

751.5 keV (n,n') Level
Cross Section

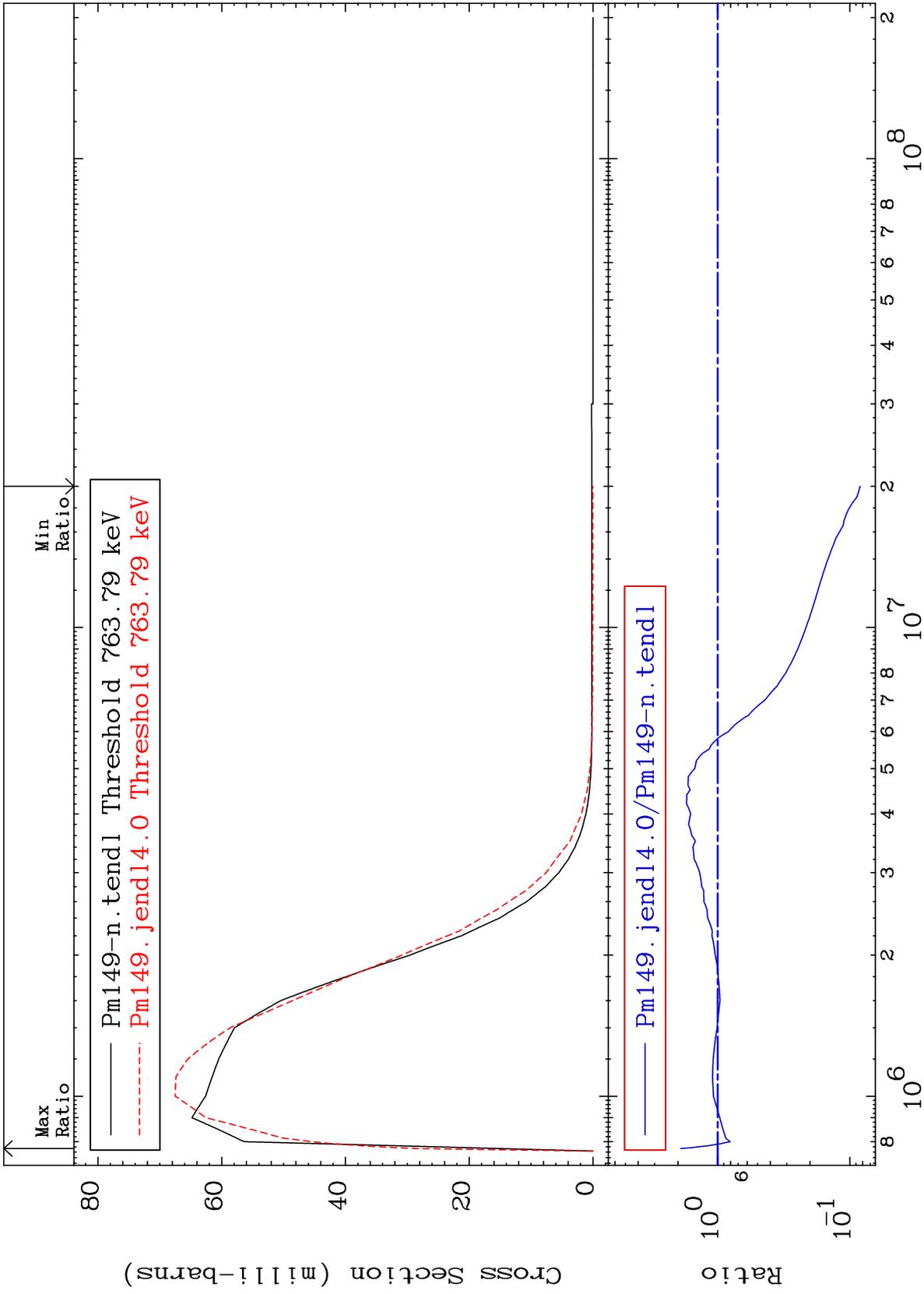
61-Pm-149
-86.22 To 97.55 %



MAT 6155

758.7 keV (n,n') Level
Cross Section

61-Pm-149
-91.64 To 90.50 %



40

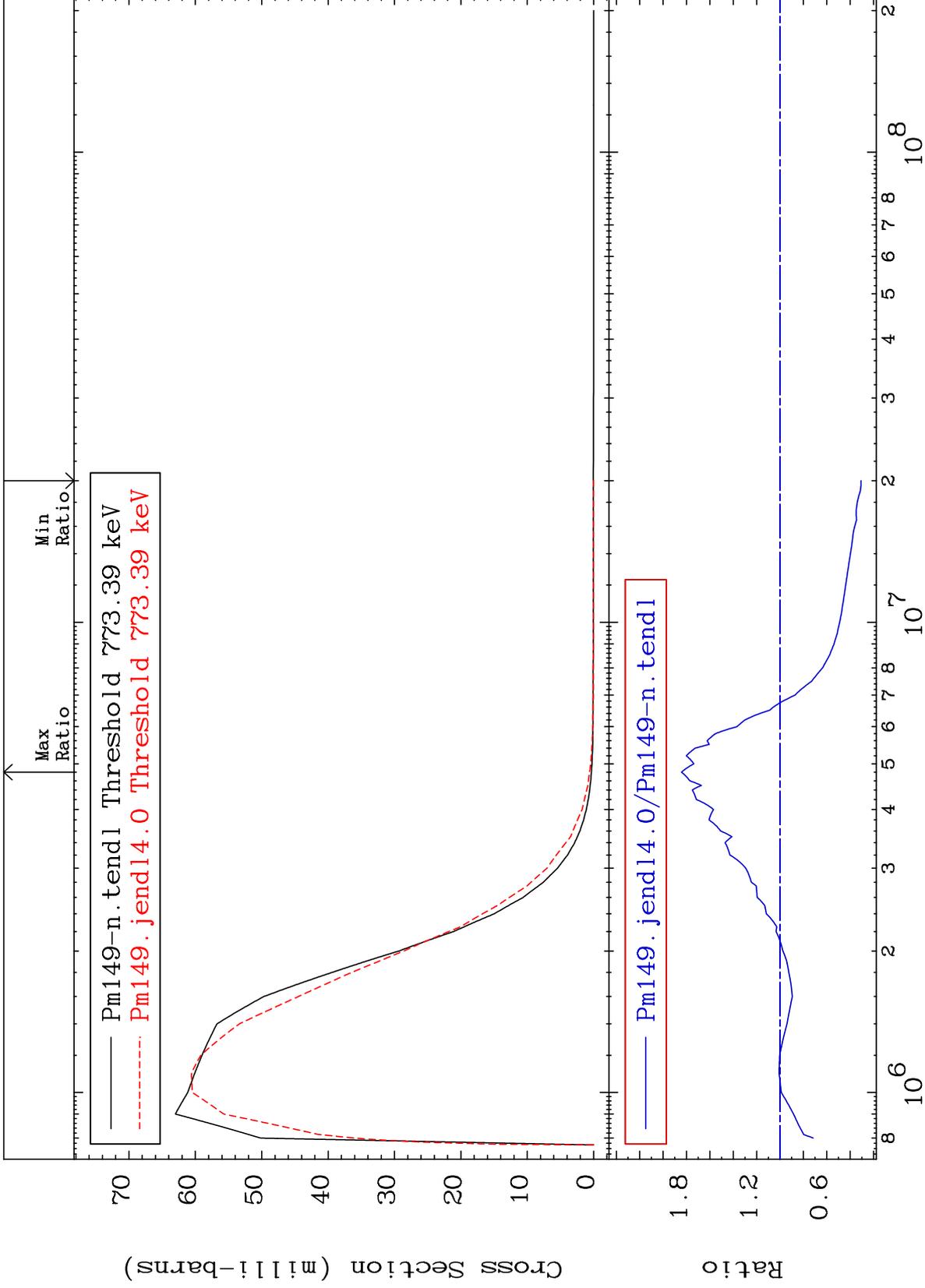
Incident Energy (eV)

61-Pm-149

MAT 6155

768.2 keV (n,n') Level
Cross Section

61-Pm-149
-69.30 To 84.27 %



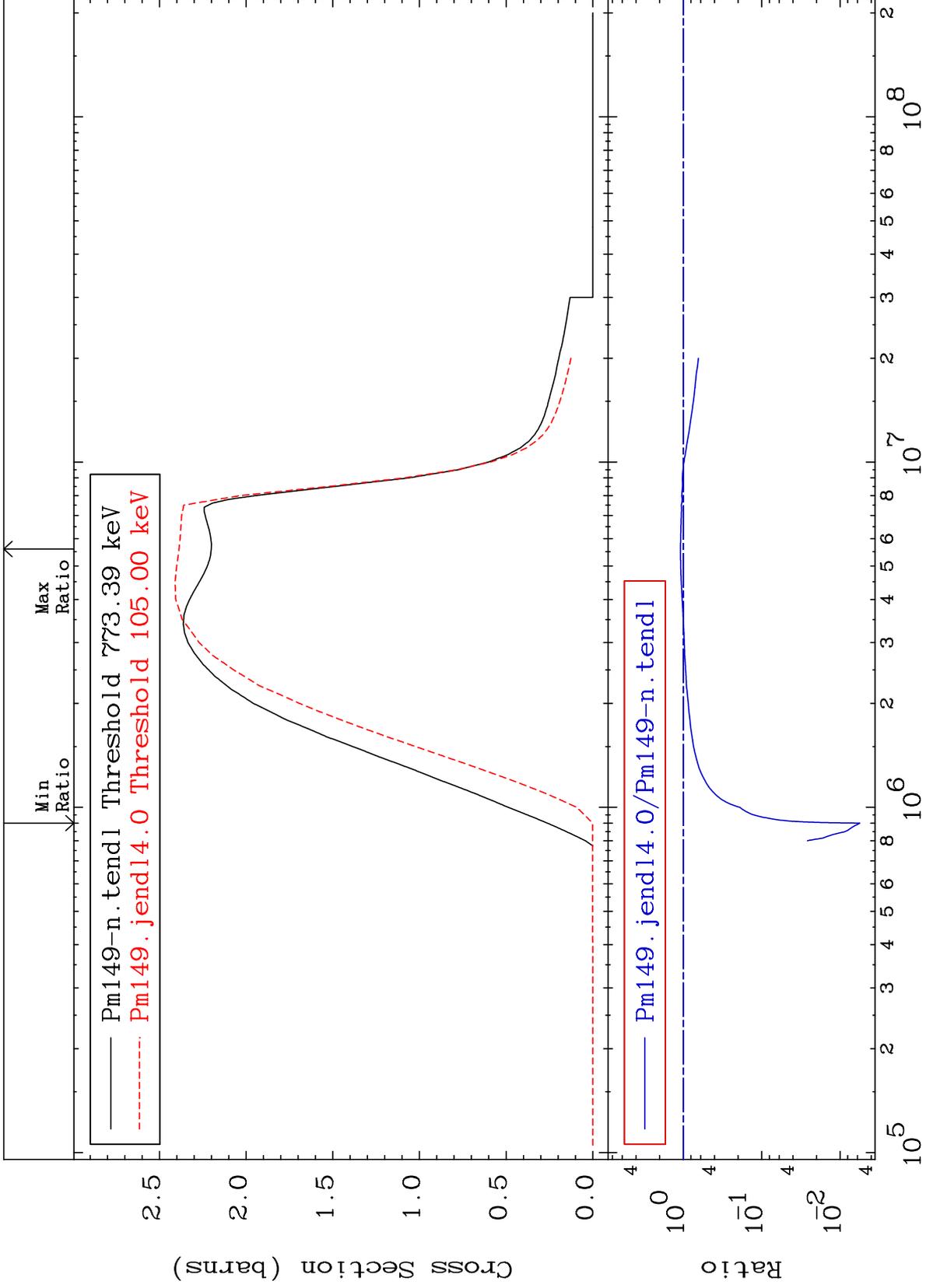
41

61-Pm-149

MAT 6155

(n, n') Continuum
Cross Section

61-Pm-149
-99.44 To 8.482 %



42

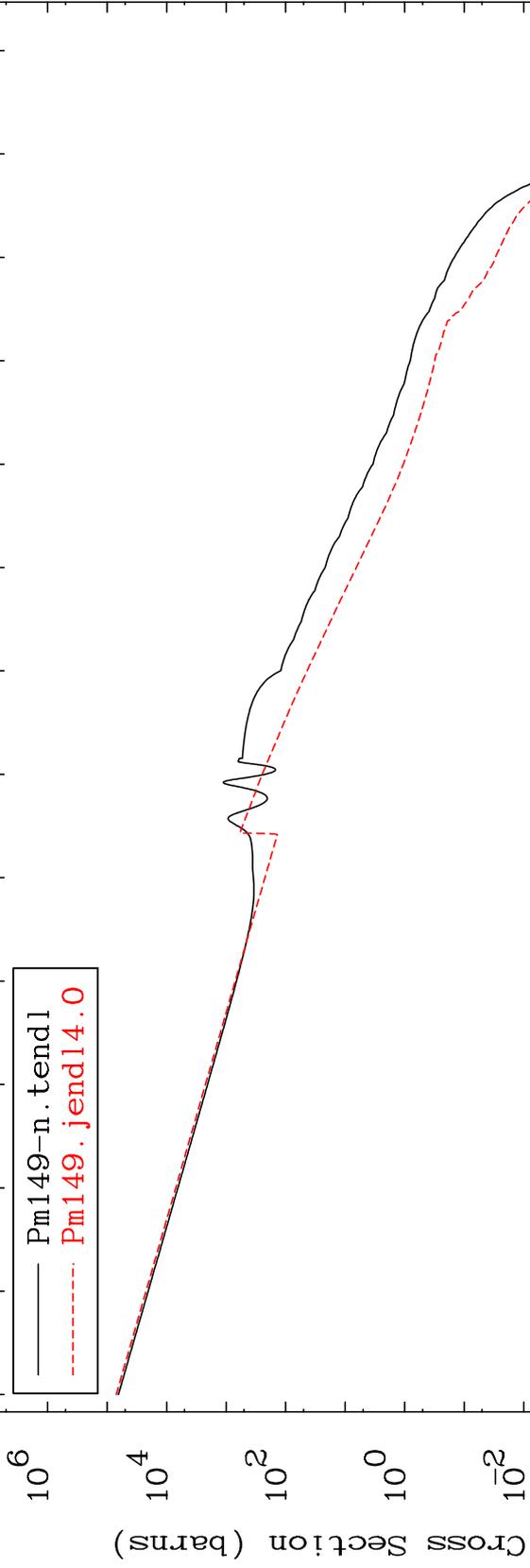
Incident Energy (eV)

61-Pm-149

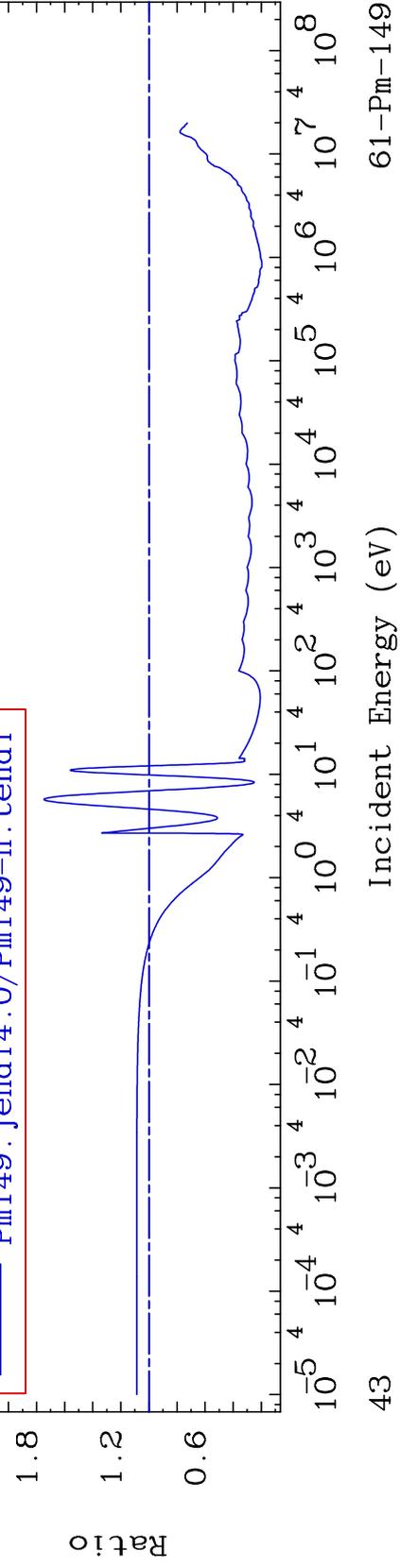
MAT 6155

(n, γ)
Cross Section

61-Pm-149
-80.42 To 74.72 %



Pm149.jendl4.0/Pm149-n.tendl



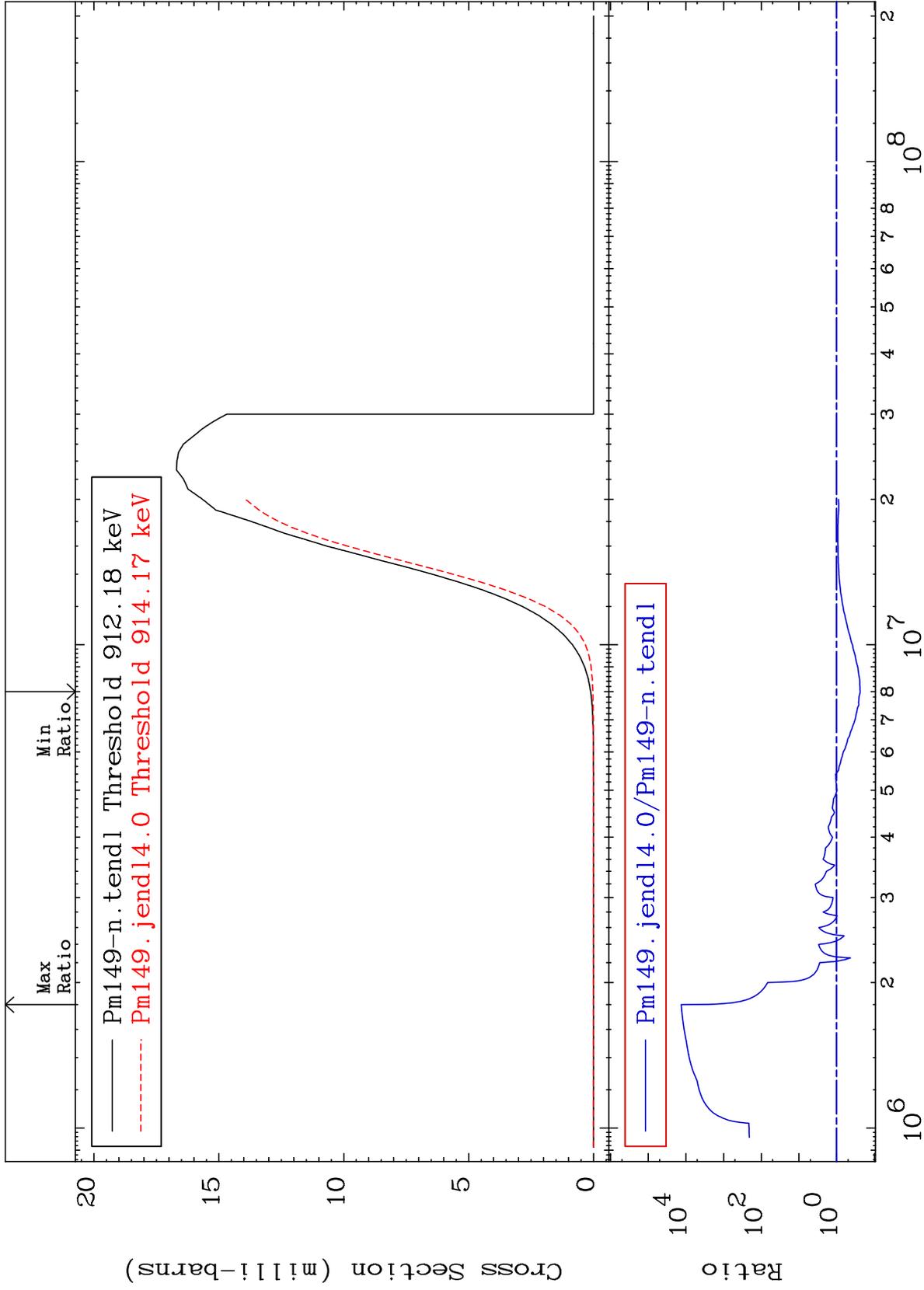
MAT 6155

(n,p)

61-Pm-149

Cross Section

-76.21 To 9999. %



44

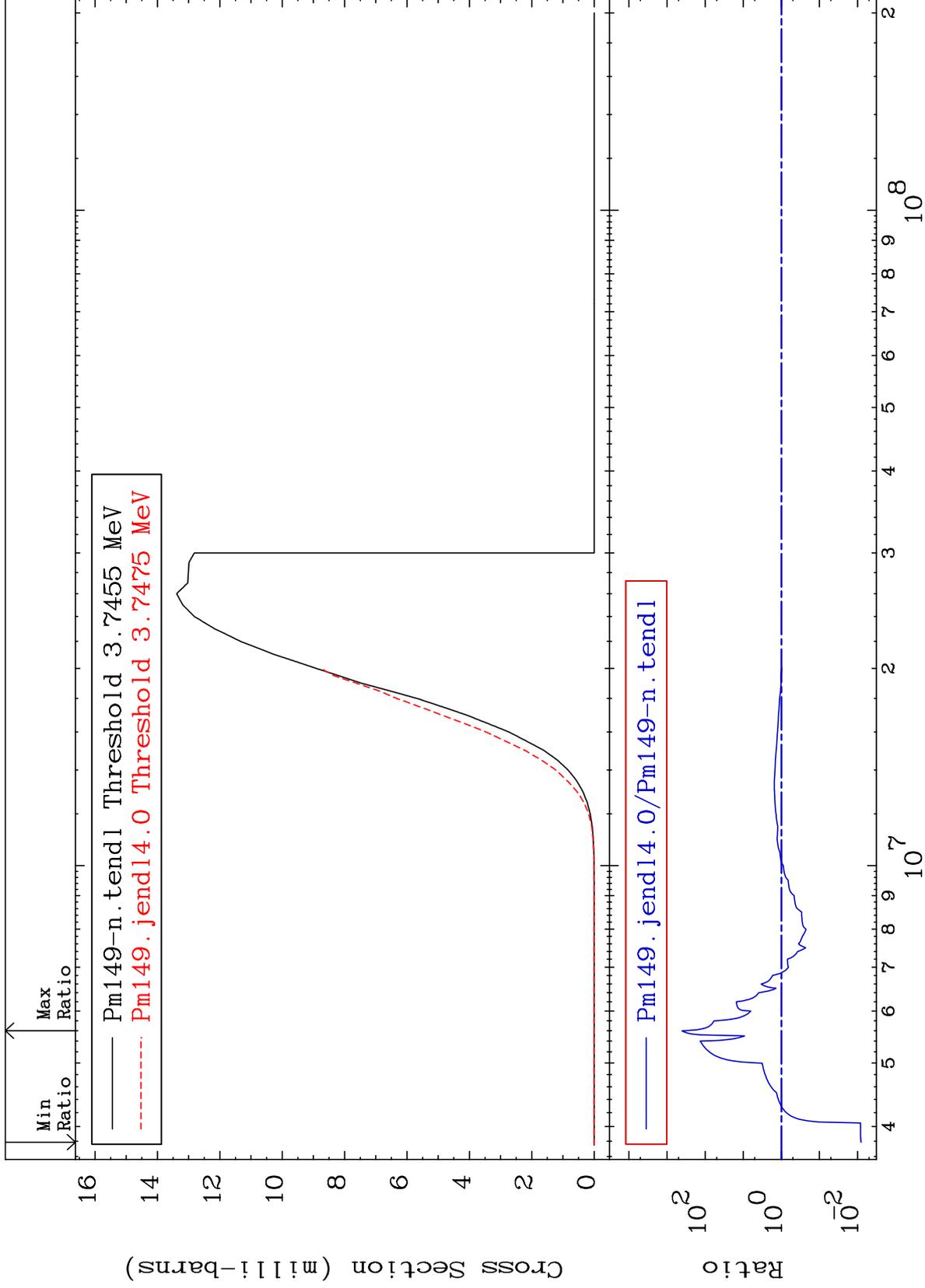
61-Pm-149

61-Pm-149

MAT 6155

(n, d)
Cross Section

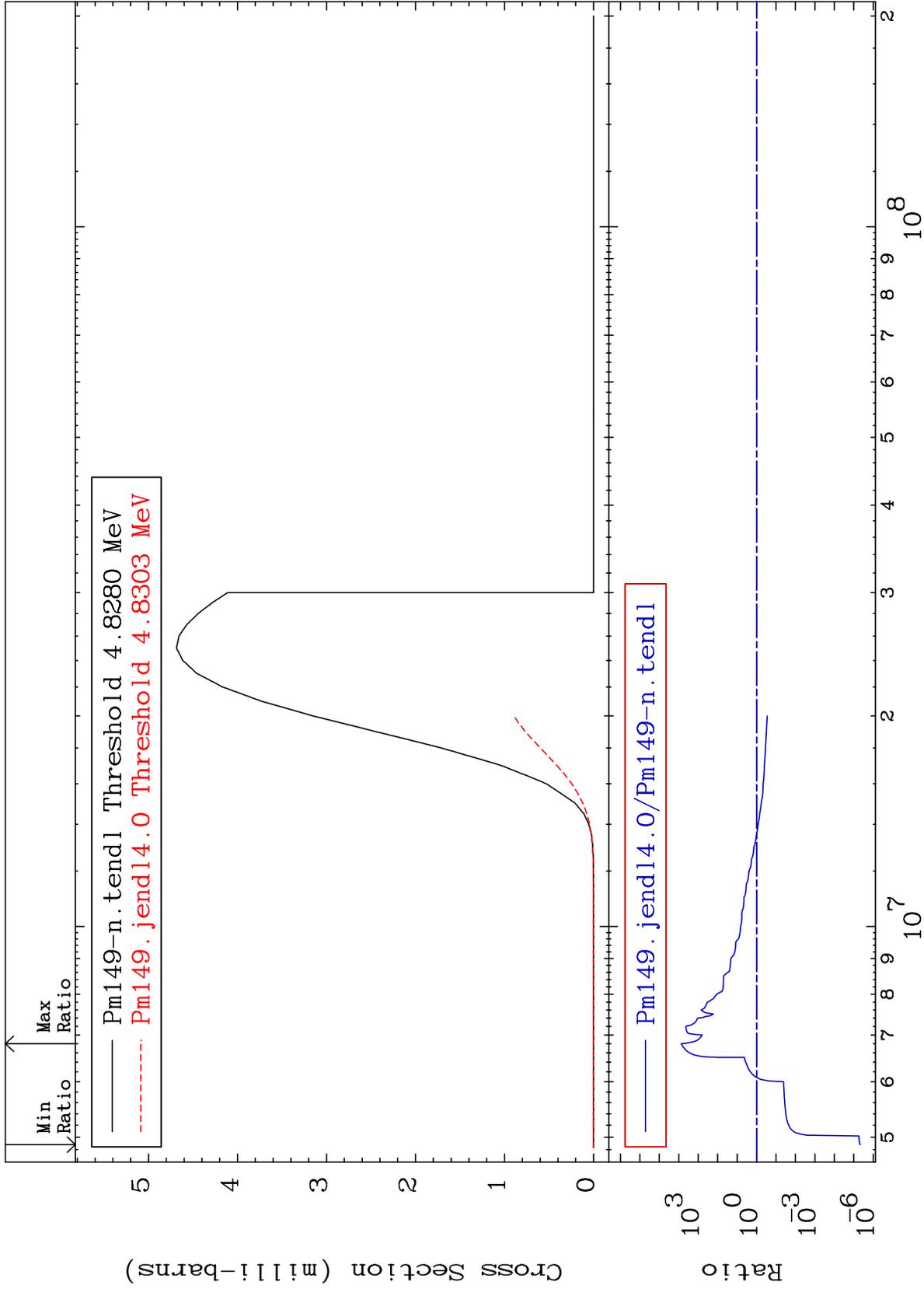
61-Pm-149
-99.19 To 9999. %



45

Incident Energy (eV)

61-Pm-149



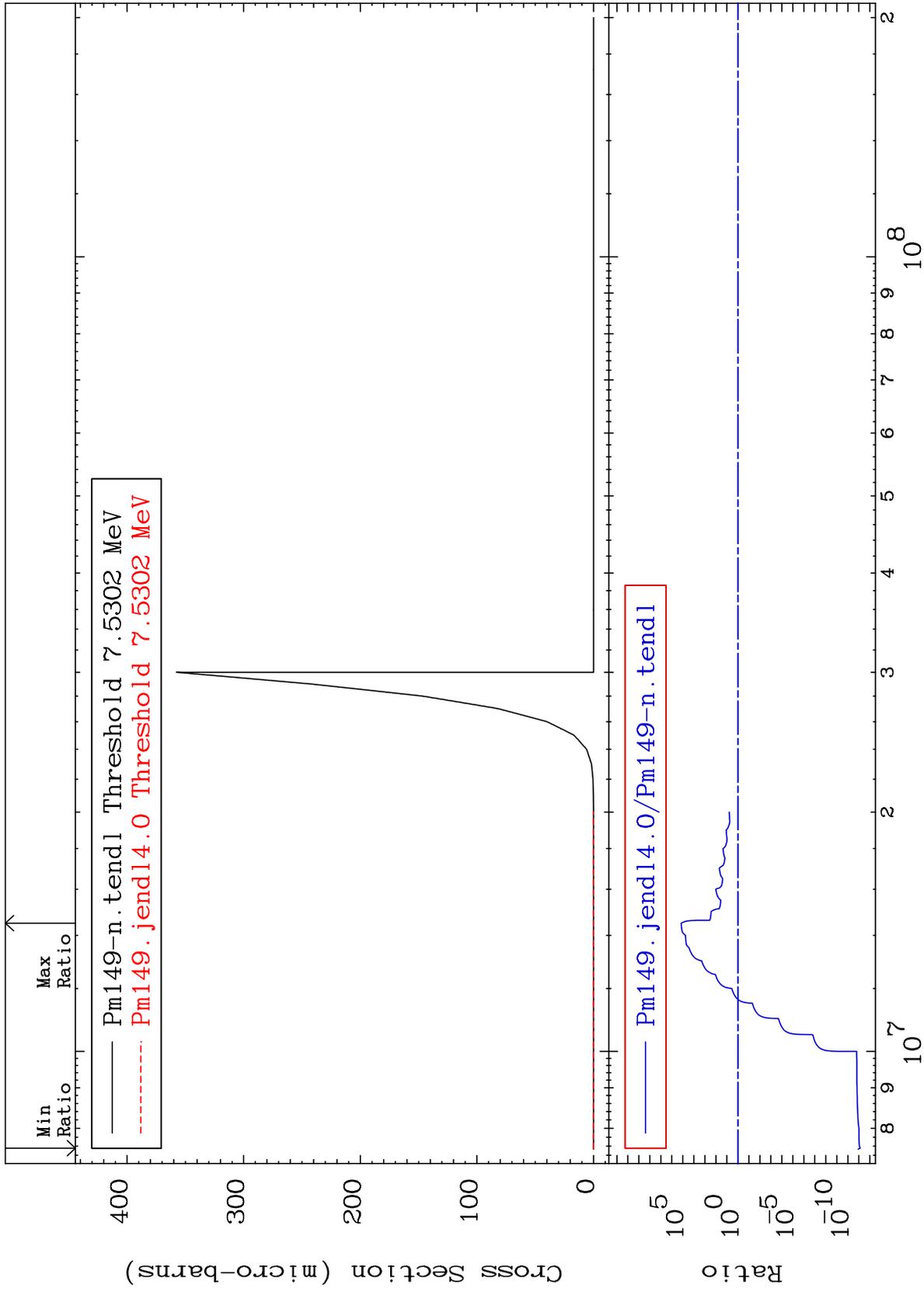
MAT 6155

(n, He-3)

61-Pm-149

Cross Section

-100.0 To 9999. %



47

61-Pm-149

61-Pm-149

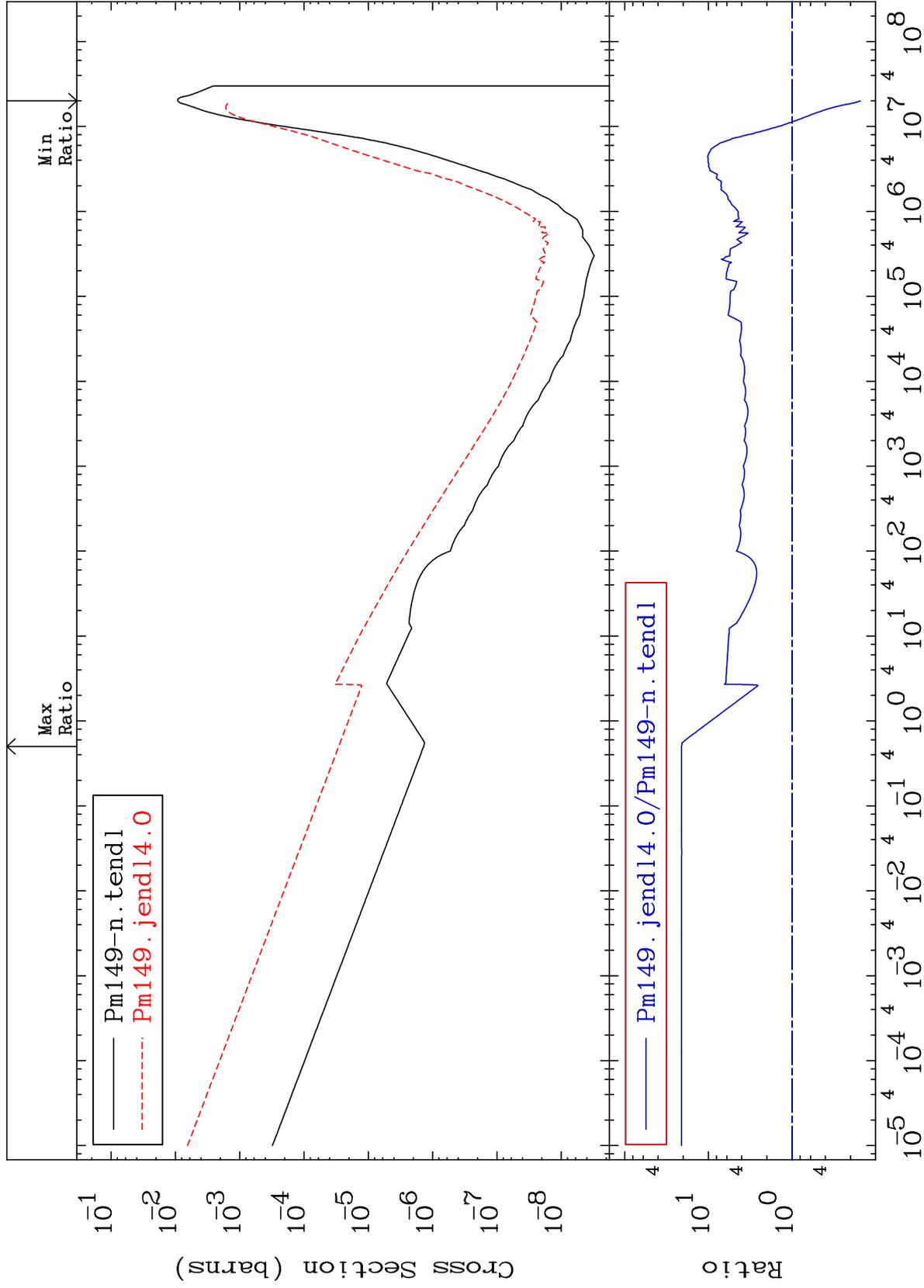
MAT 6155

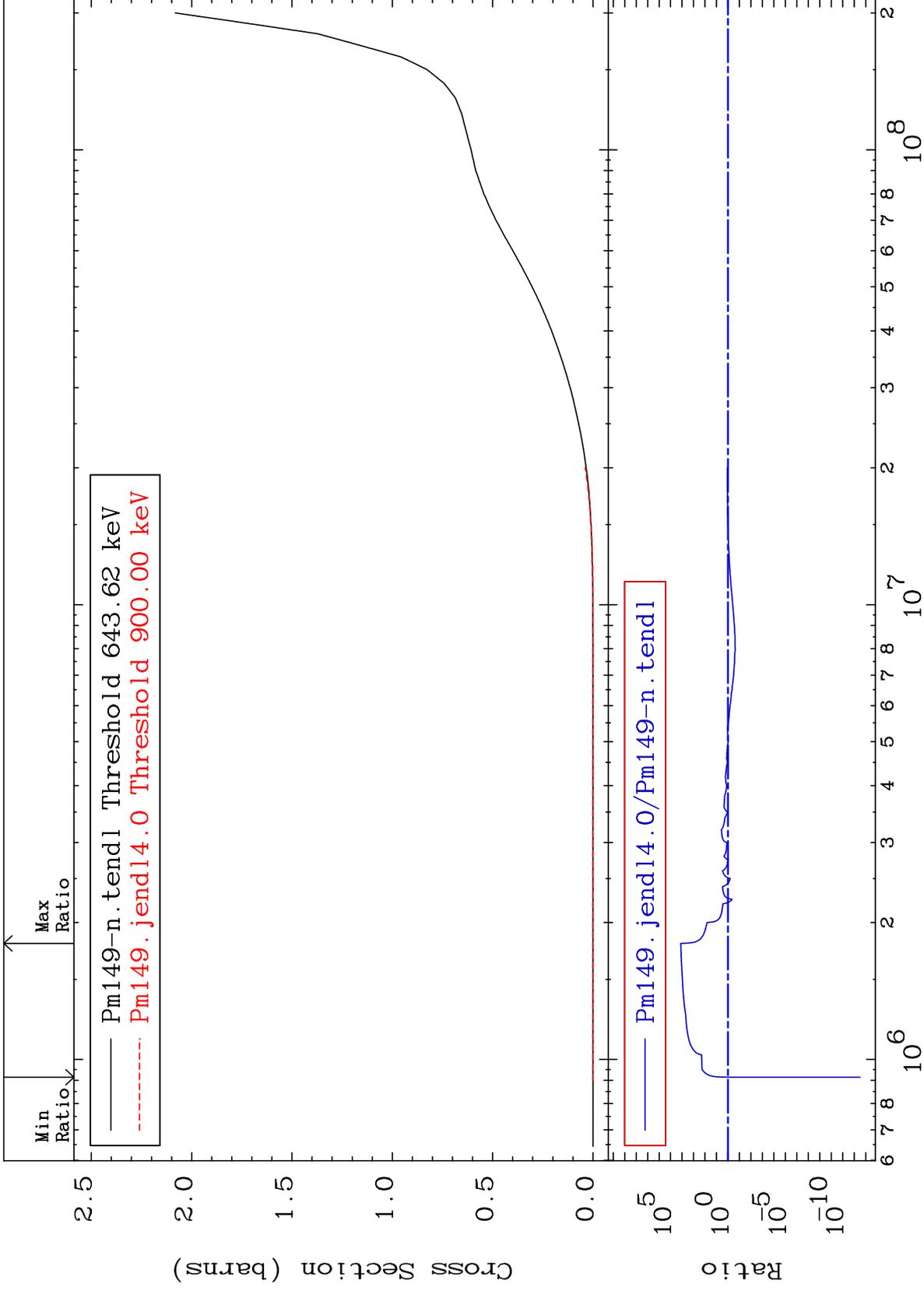
(n, α)

61-Pm-149

Cross Section

-84.77 To 1992. %

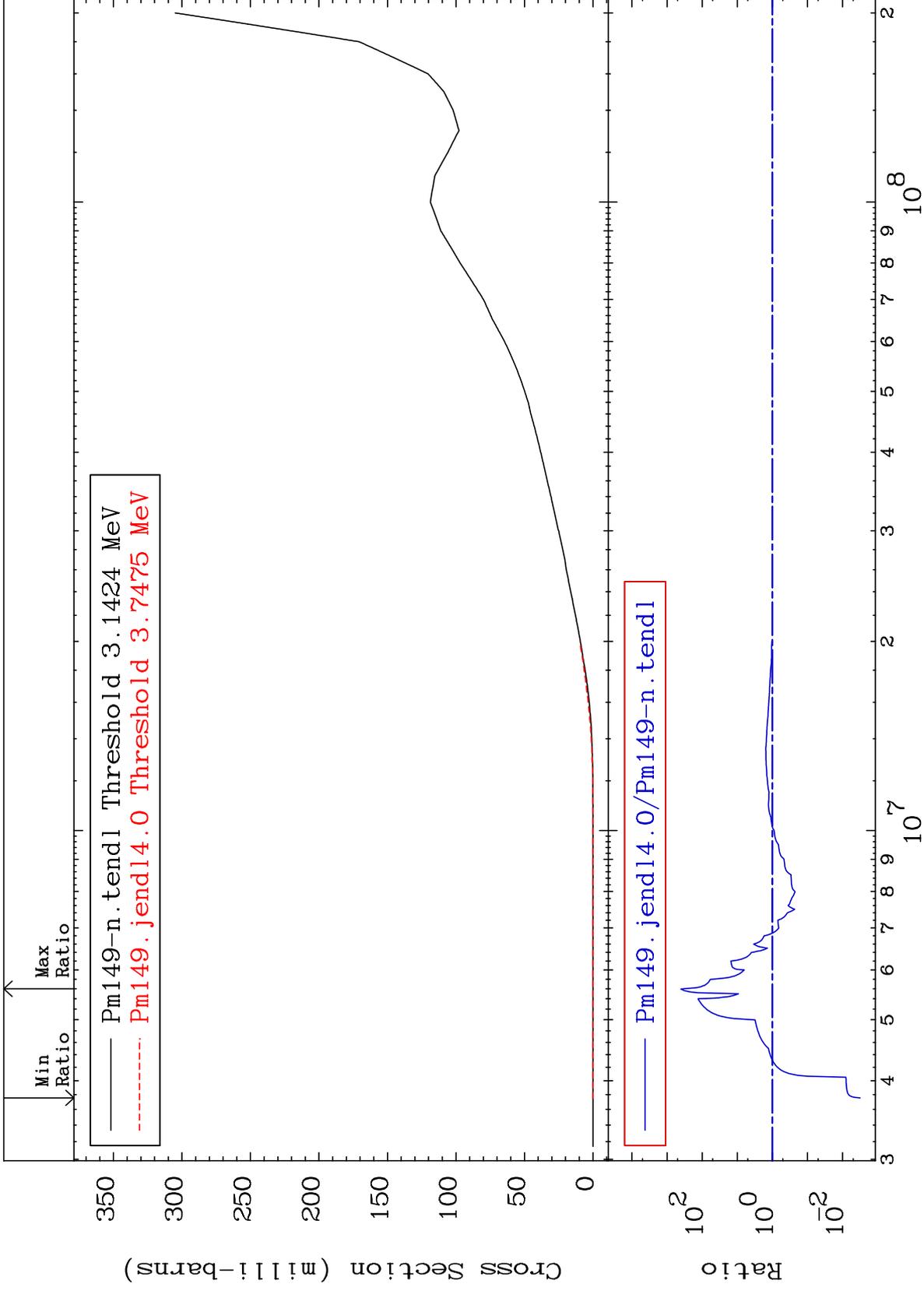




MAT 6155

Deuterium Production
Cross Section

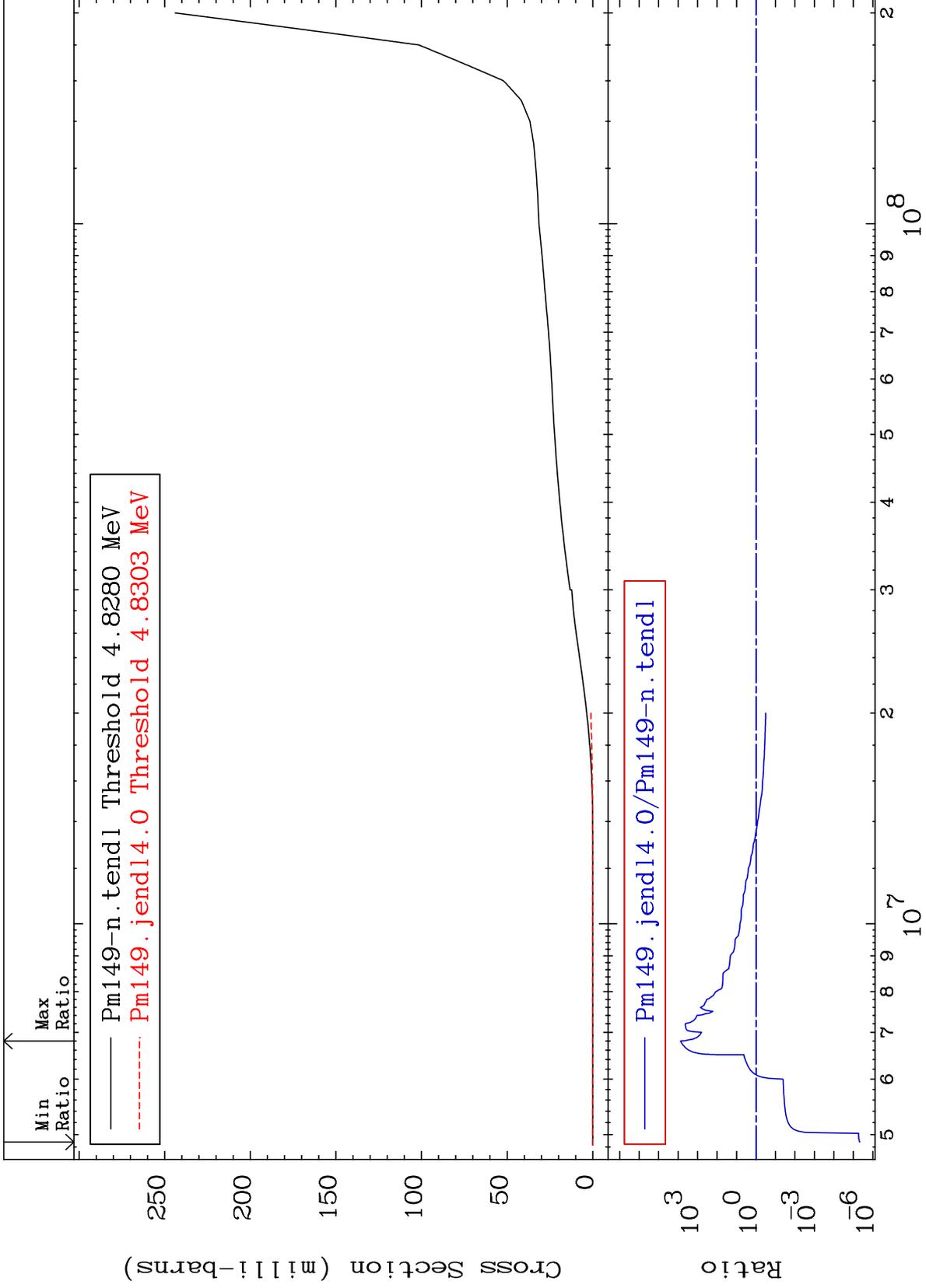
61-Pm-149
-99.68 To 9999. %



50

Incident Energy (eV)

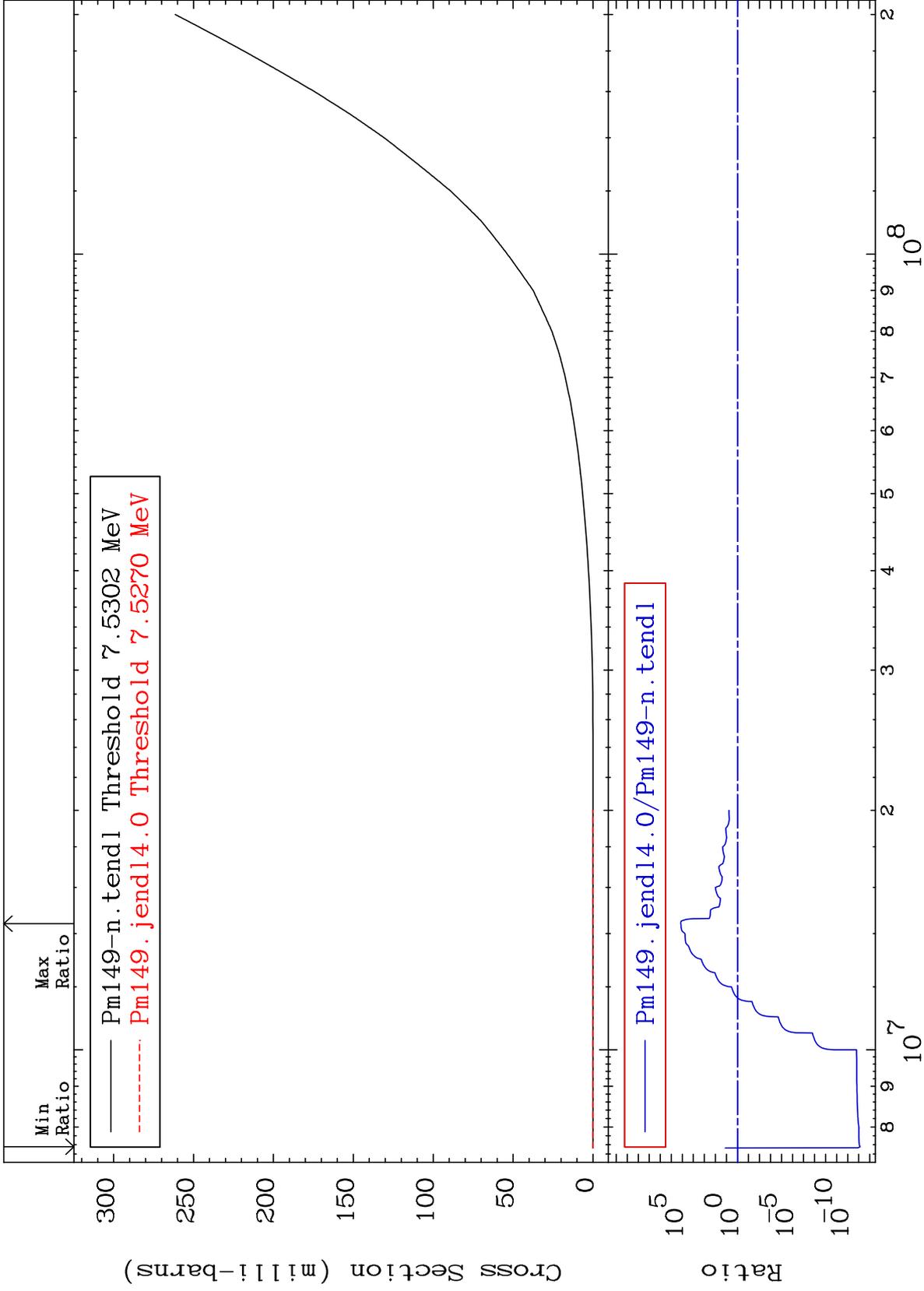
61-Pm-149



MAT 6155

He-3 Production
Cross Section

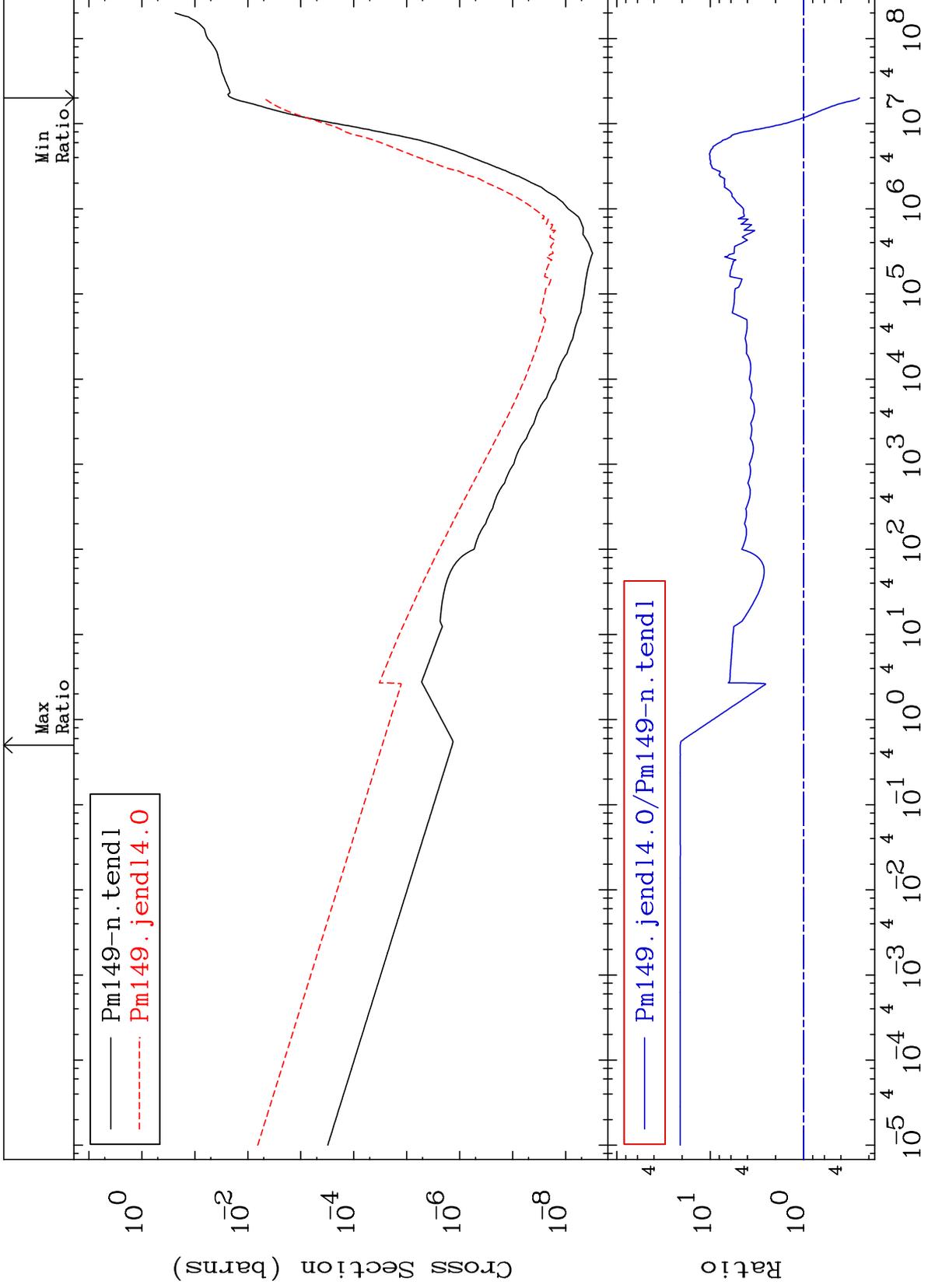
61-Pm-149
-100.0 To 9999. %

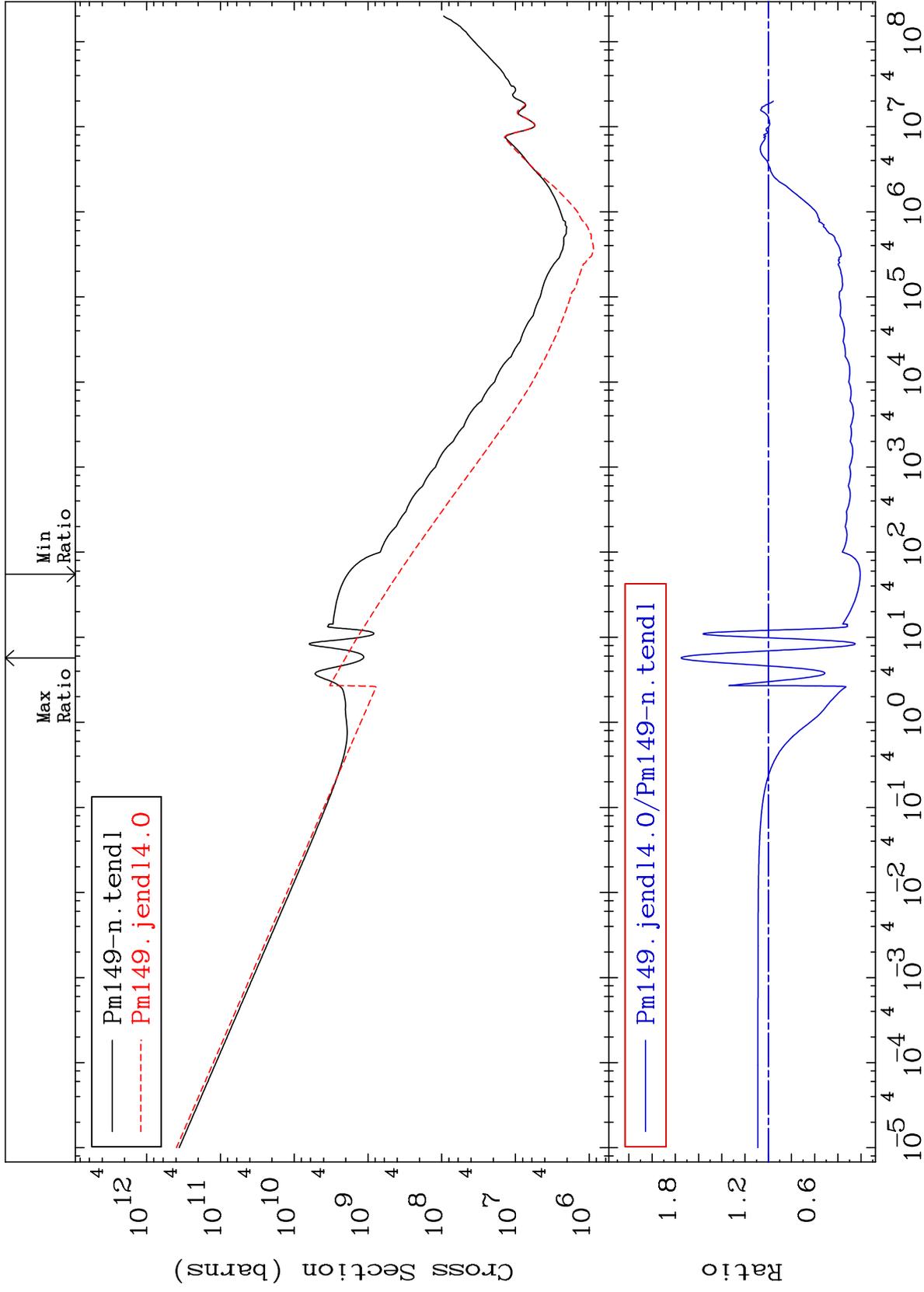


MAT 6155

He-4 Production
Cross Section

61-Pm-149
-74.75 To 1992. %

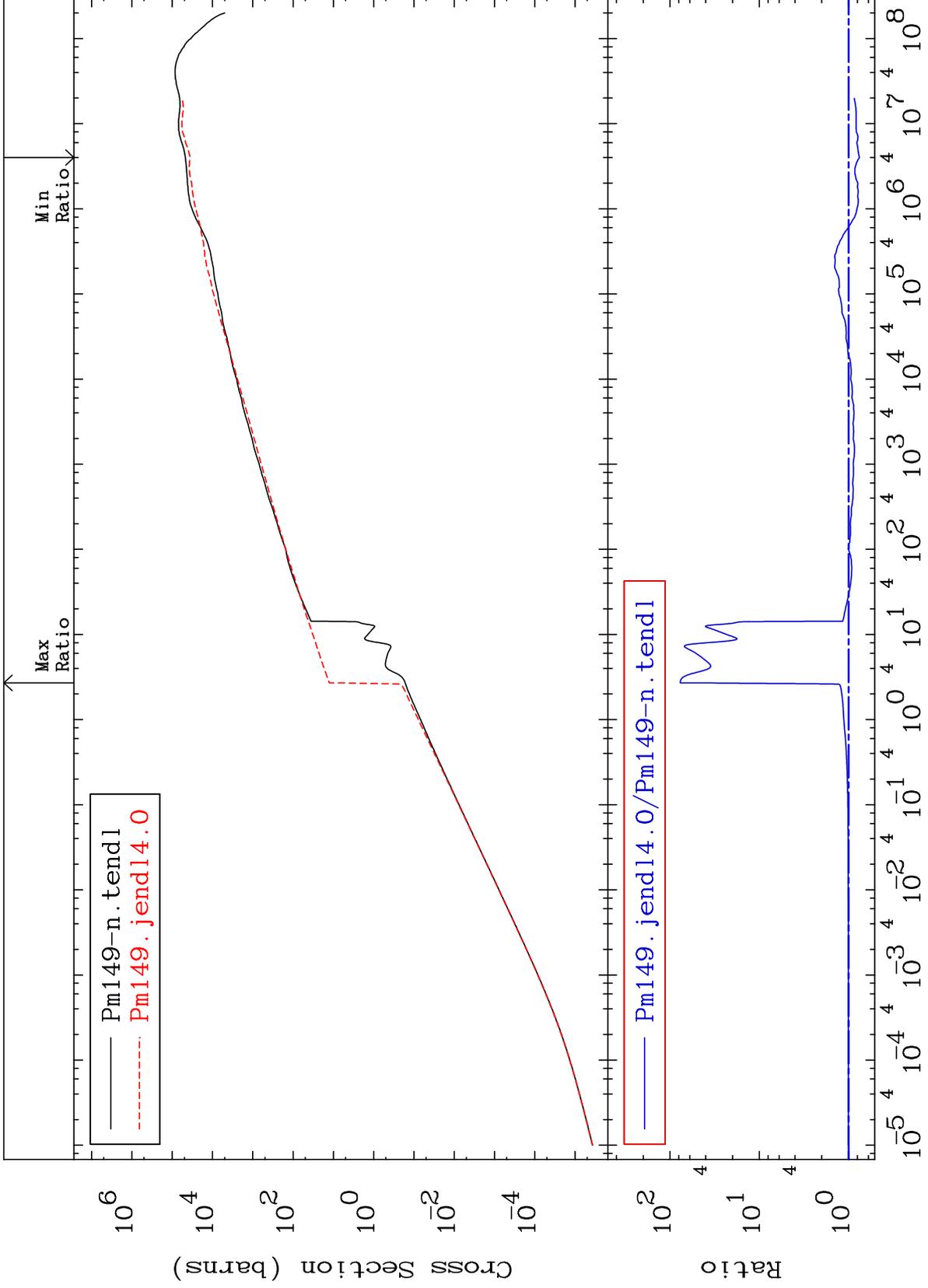


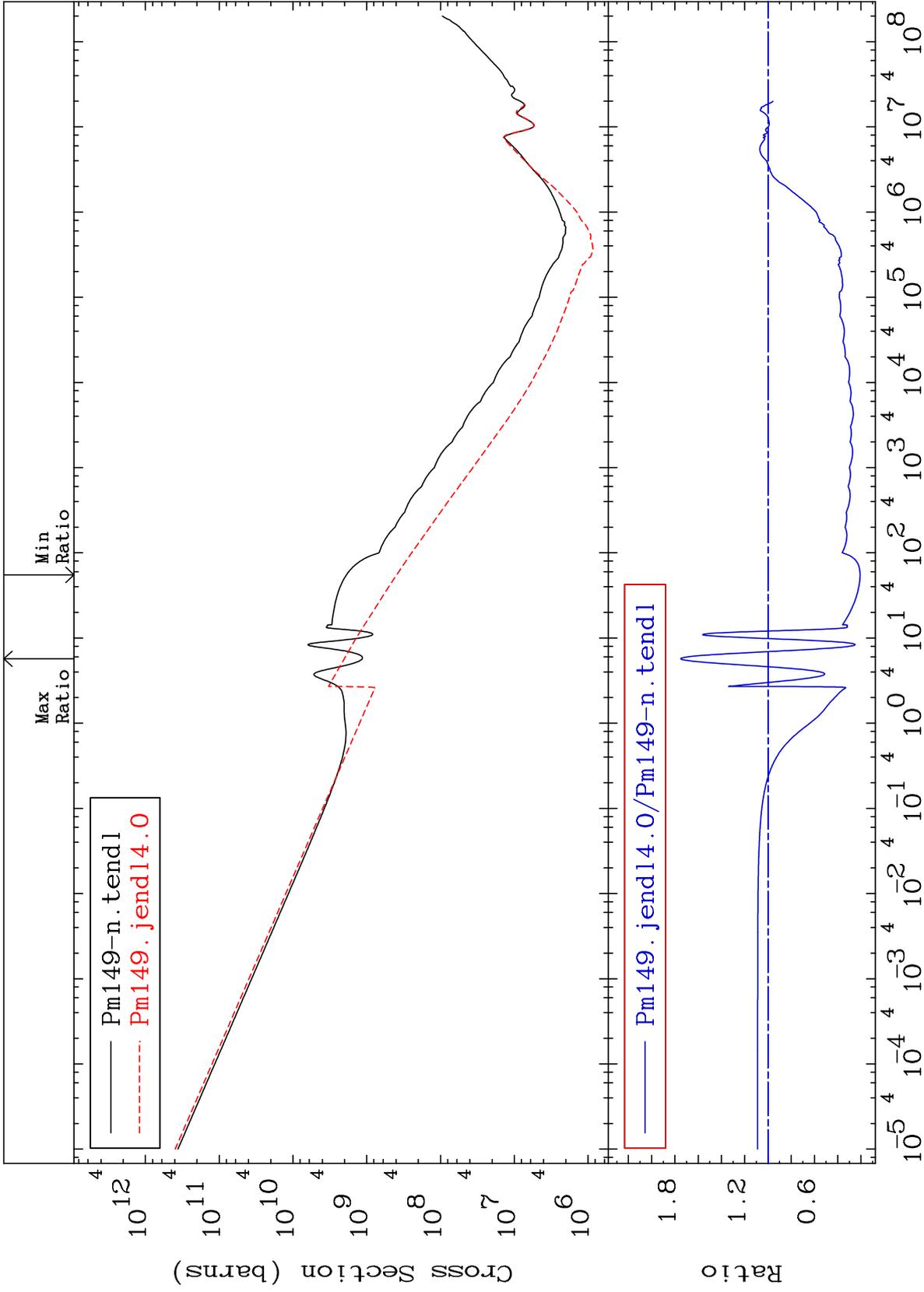


MAT 6155

Kerma elastic
Cross Section

61-Pm-149
-24.37 To 7593. %

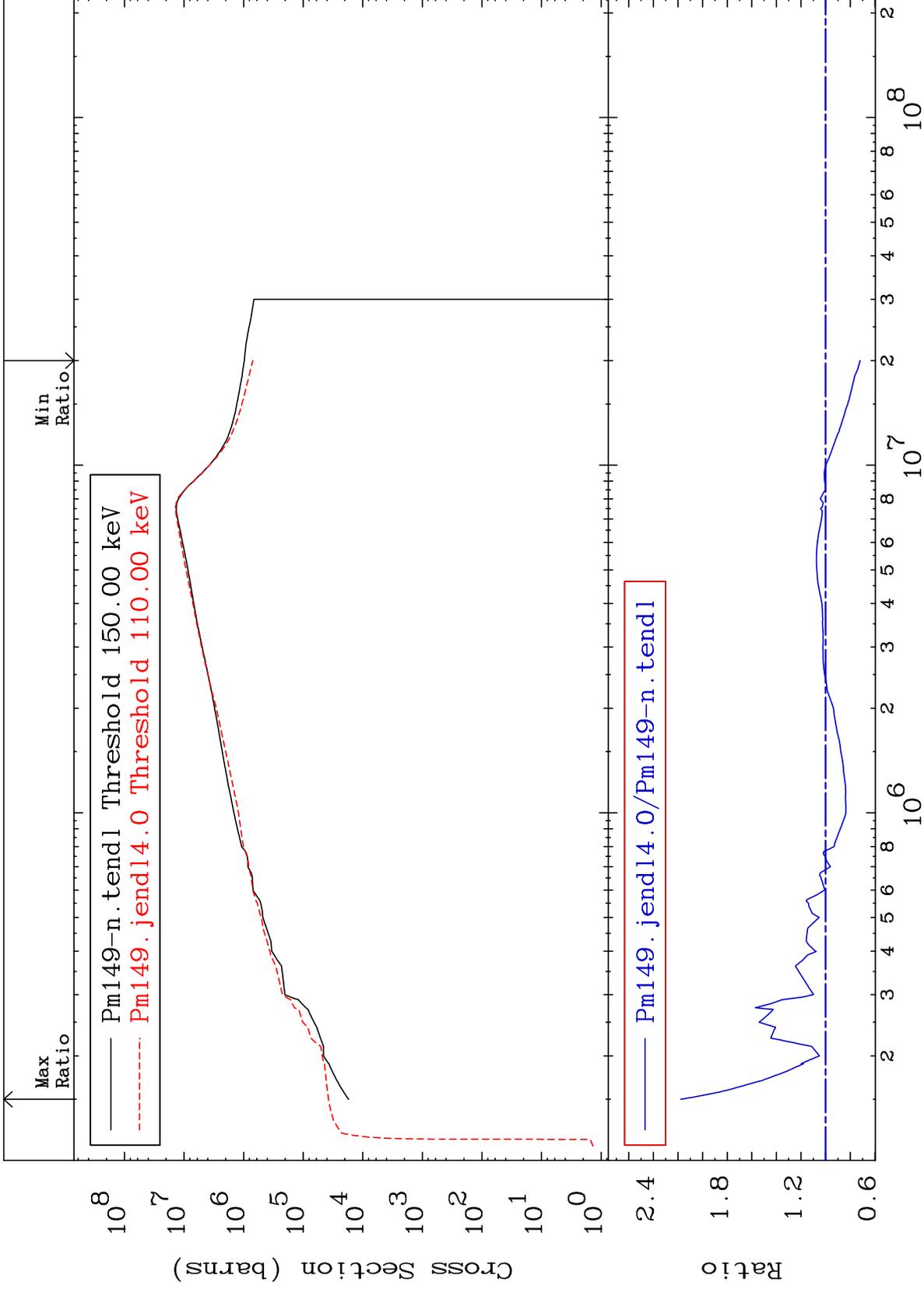




MAT 6155

Kerma inelastic (mt51-91)
Cross Section

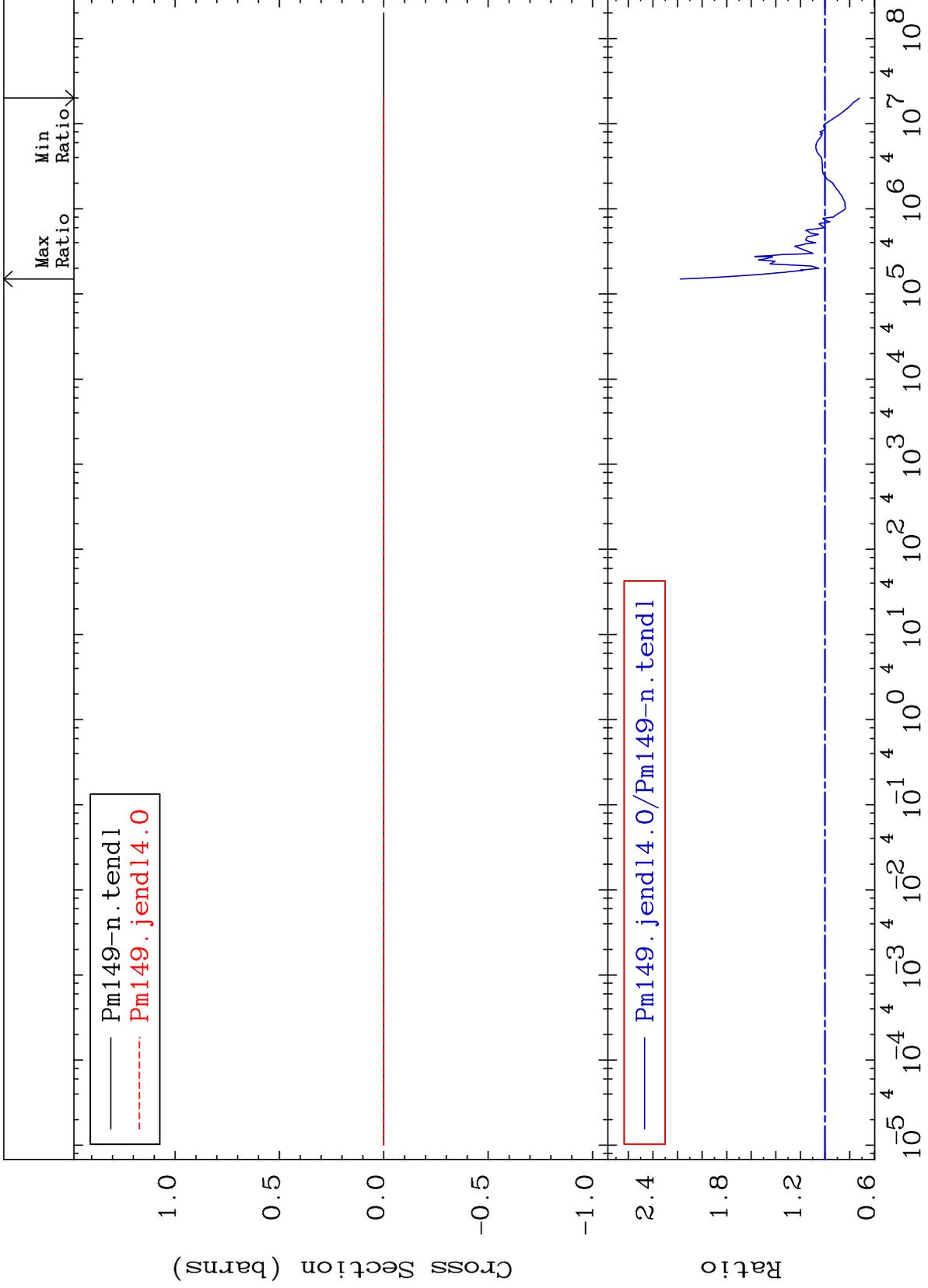
61-Pm-149
-27.91 To 117.7 %



MAT 6155

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

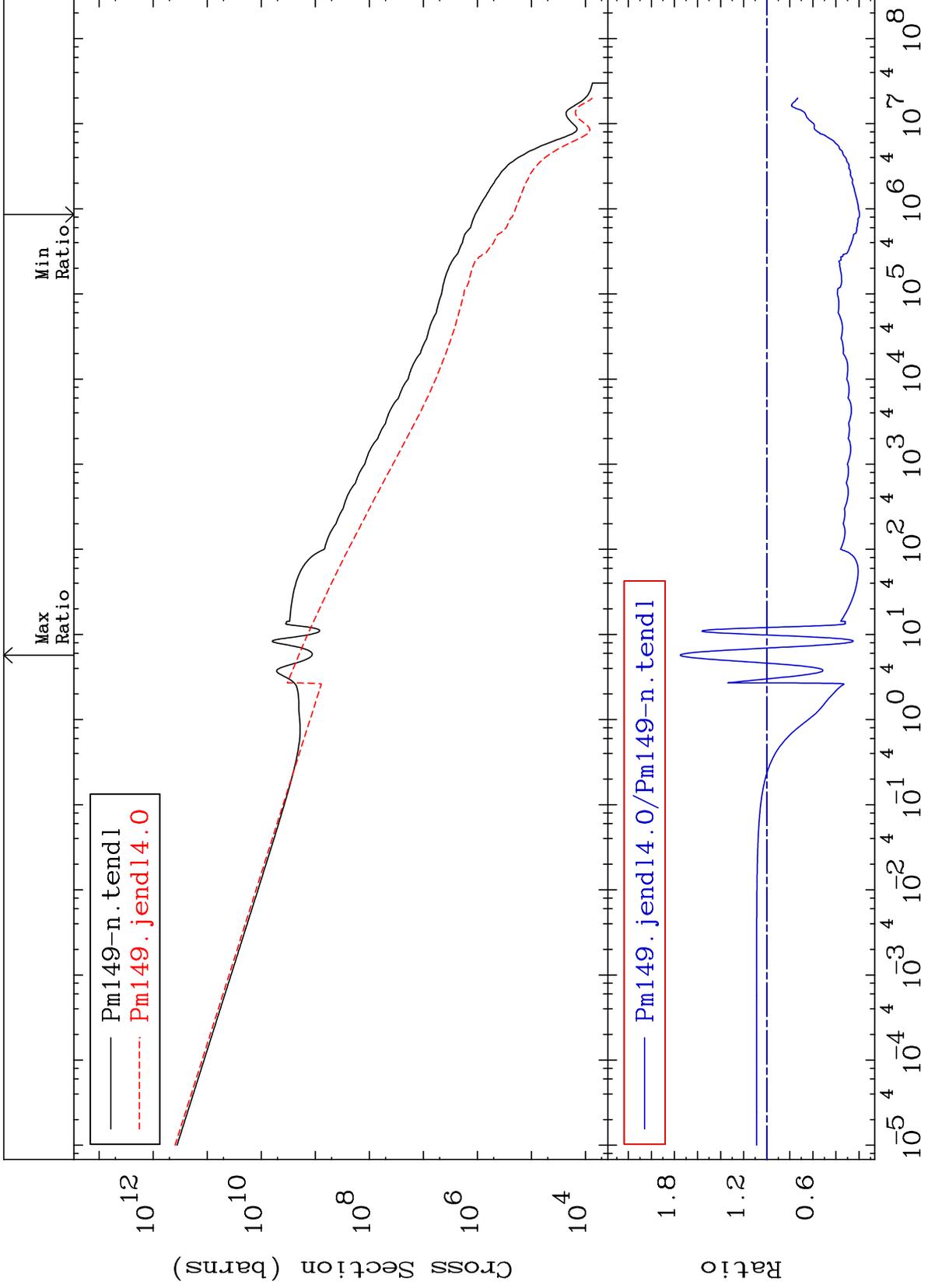
61-Pm-149
-27.91 To 117.7 %



MAT 6155

Kerma capture (mt102)
Cross Section

61-Pm-149
-80.39 To 74.98 %

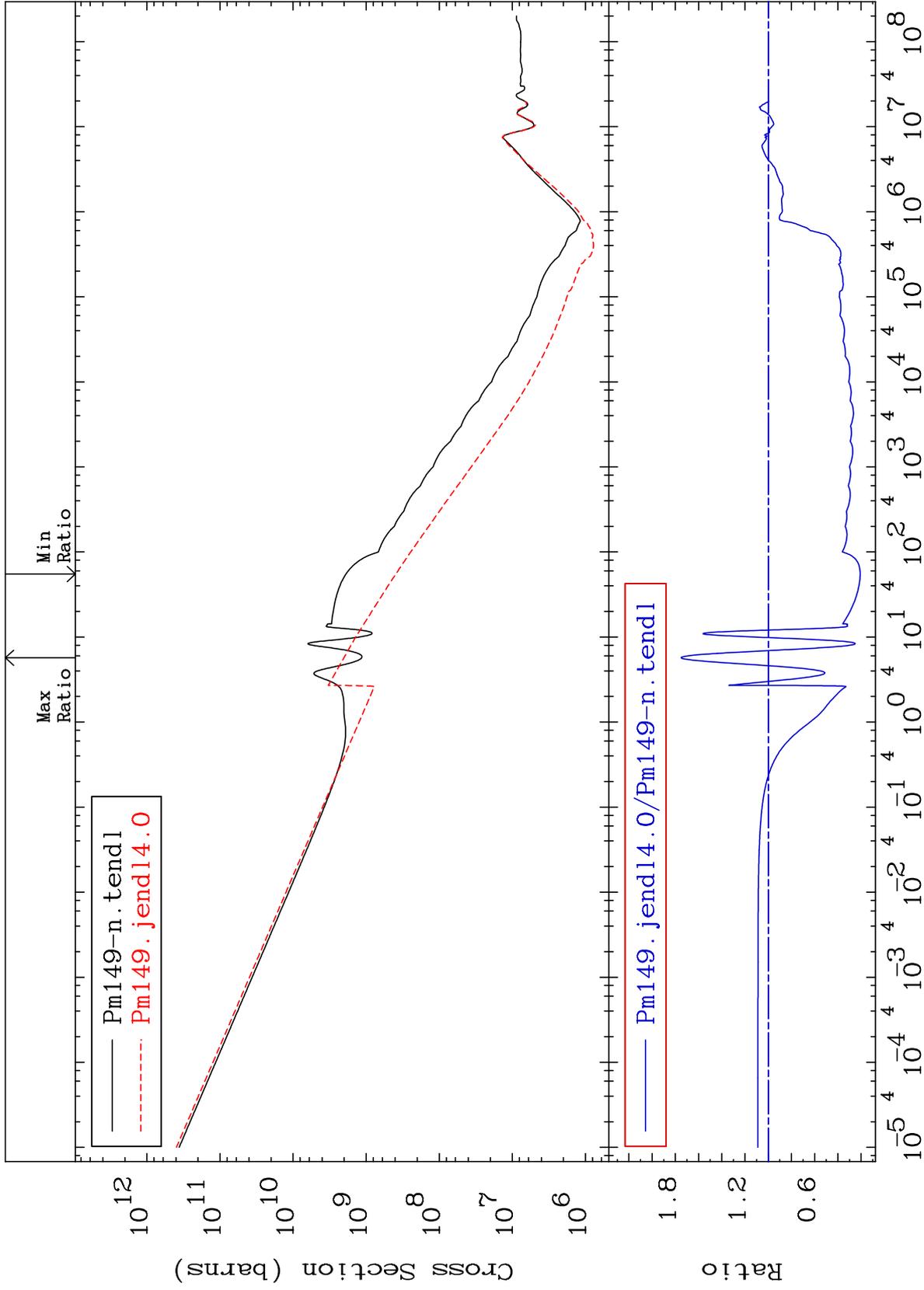


MAT 6155

Total photon (eV-barns)
Cross Section

61-Pm-149

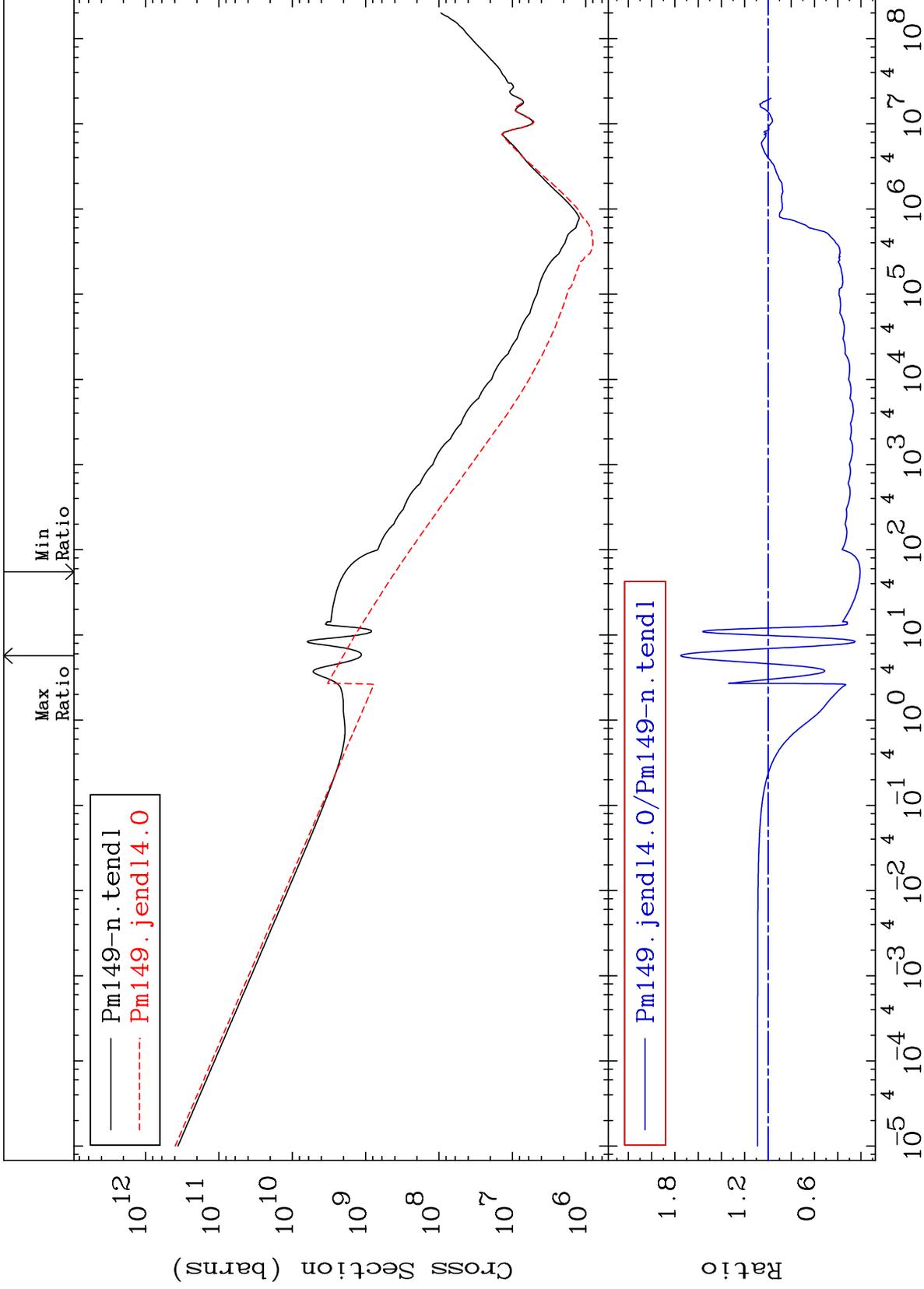
-79.22 To 74.98 %



Incident Energy (eV)

61-Pm-149

60



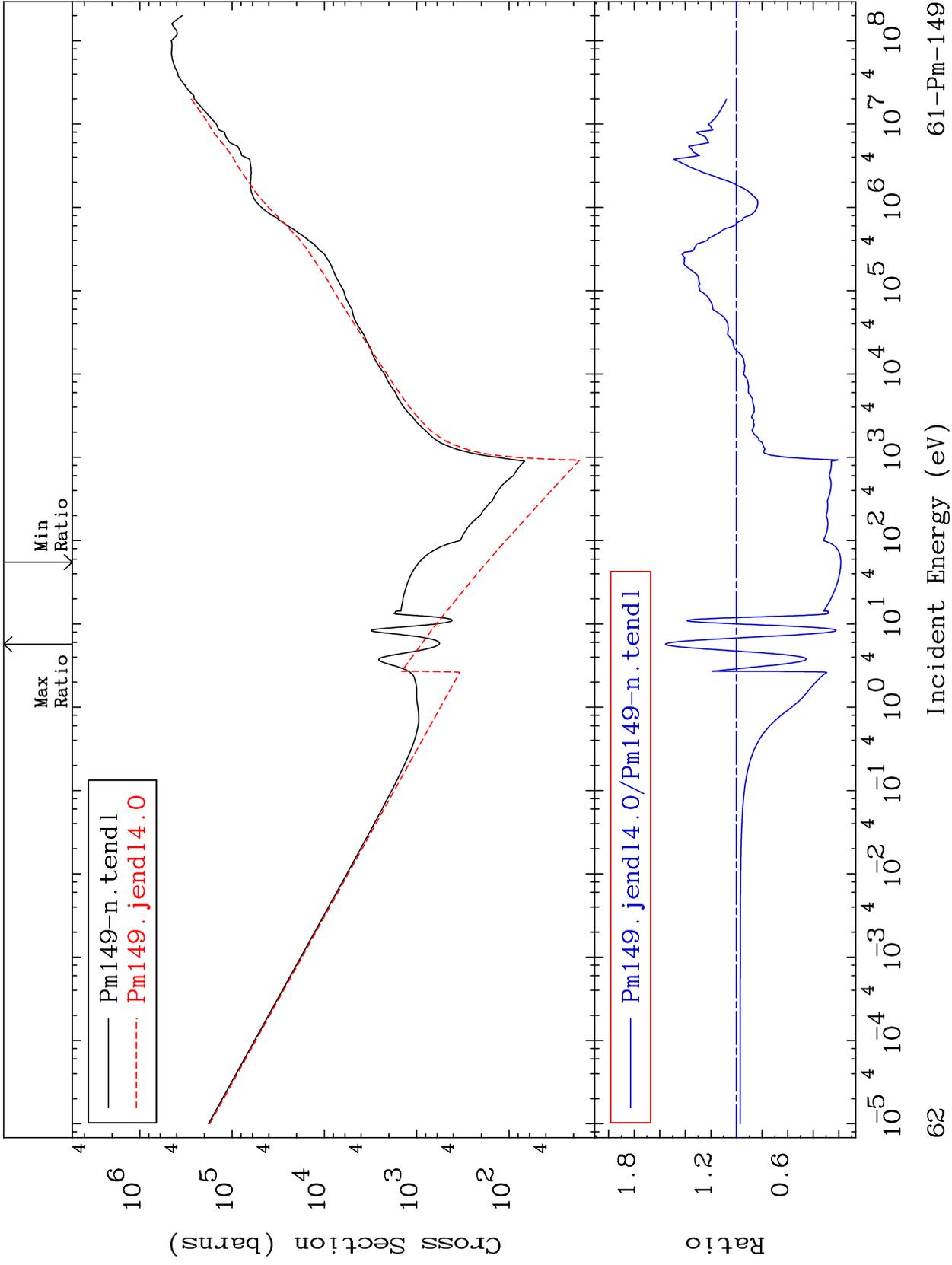
MAT 6155

Dpa total (eV-barns)

61-Pm-149

-81.54 To 55.48 %

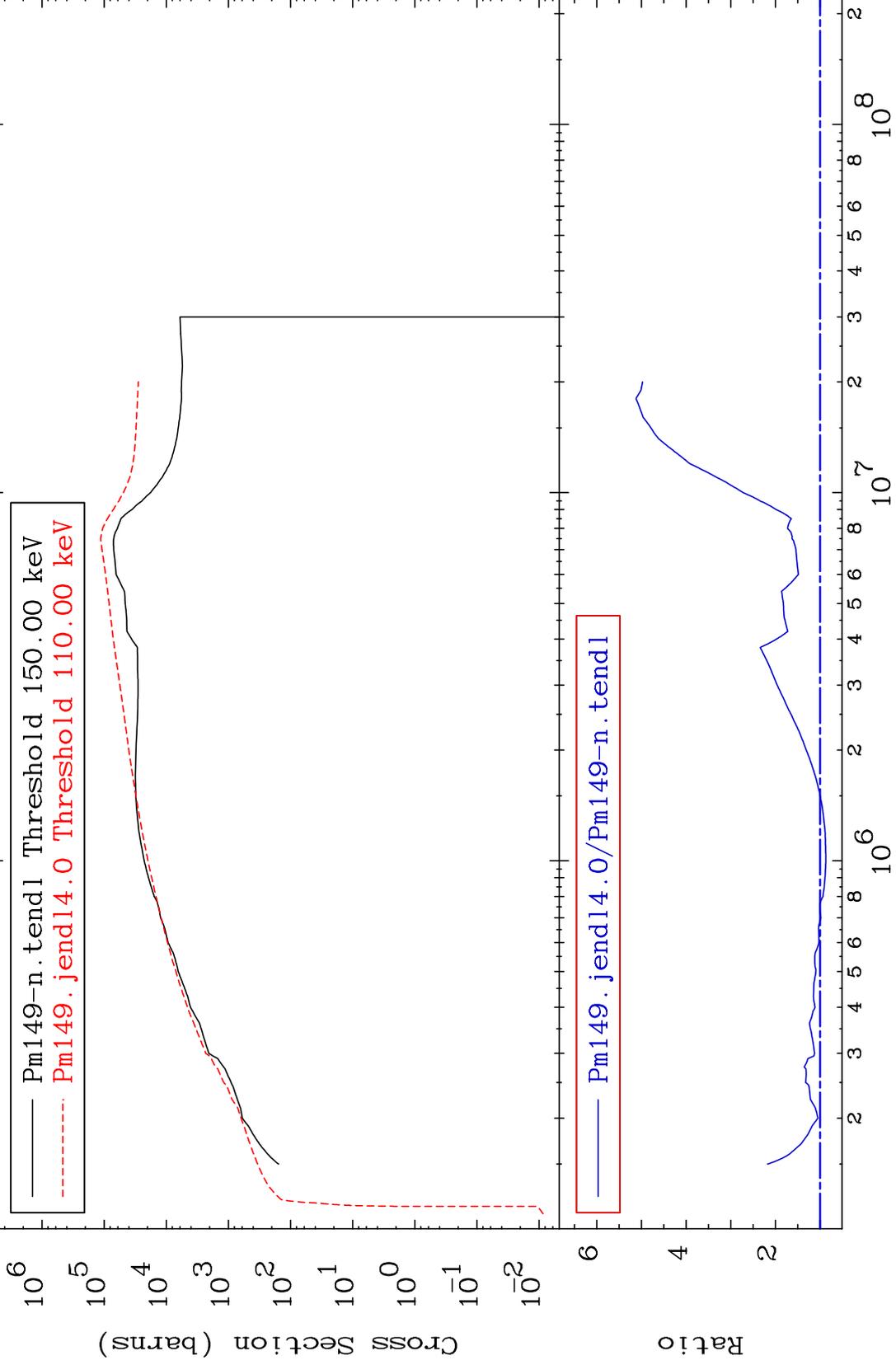
Cross Section



MAT 6155

Dpa inelastic (mt51-91)
Cross Section

61-Pm-149
-12.99 To 412.1 %



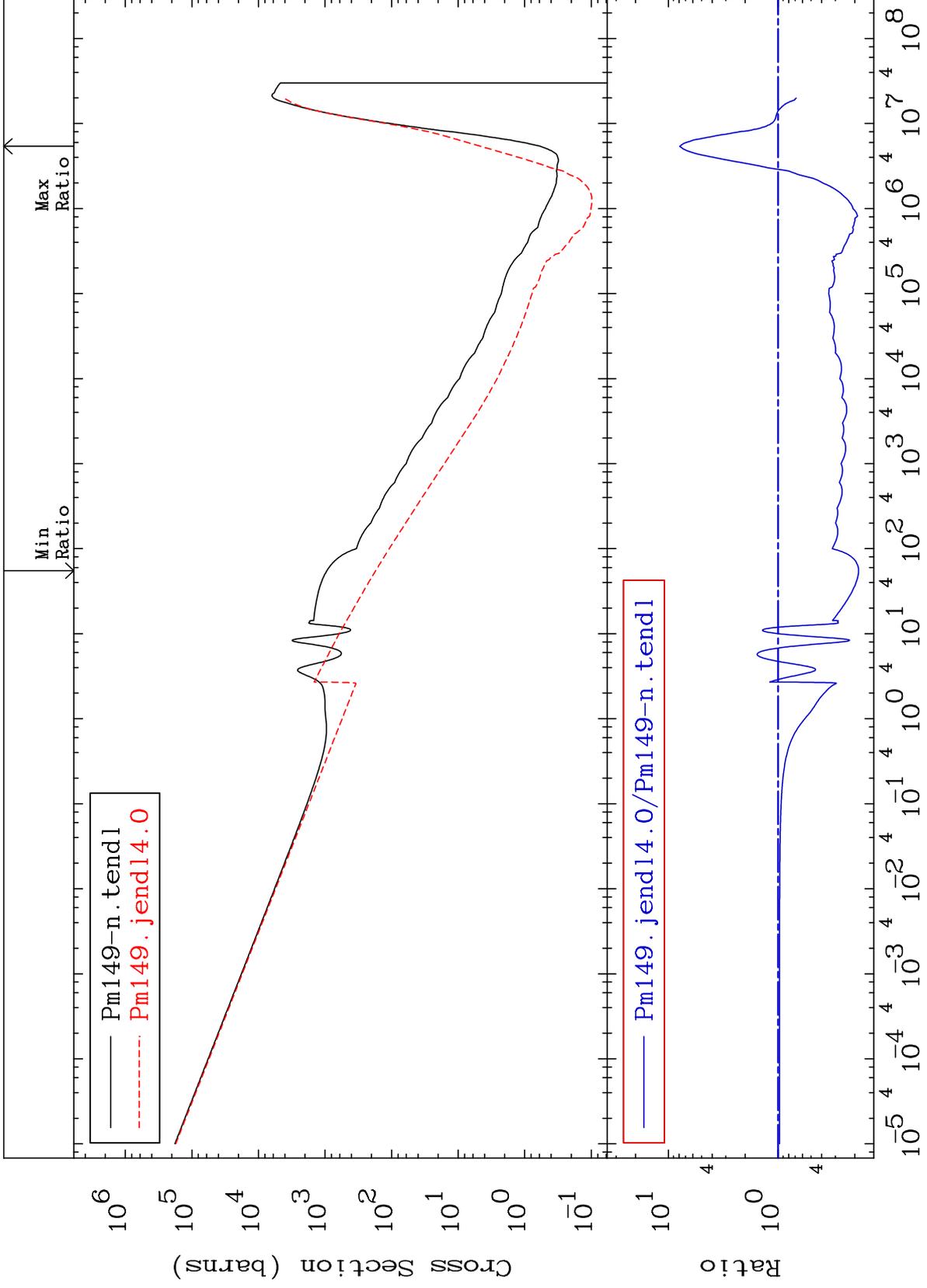
64

61-Pm-149

MAT 6155

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-149
-81.54 To 693.1 %



65

Incident Energy (eV)

61-Pm-149