

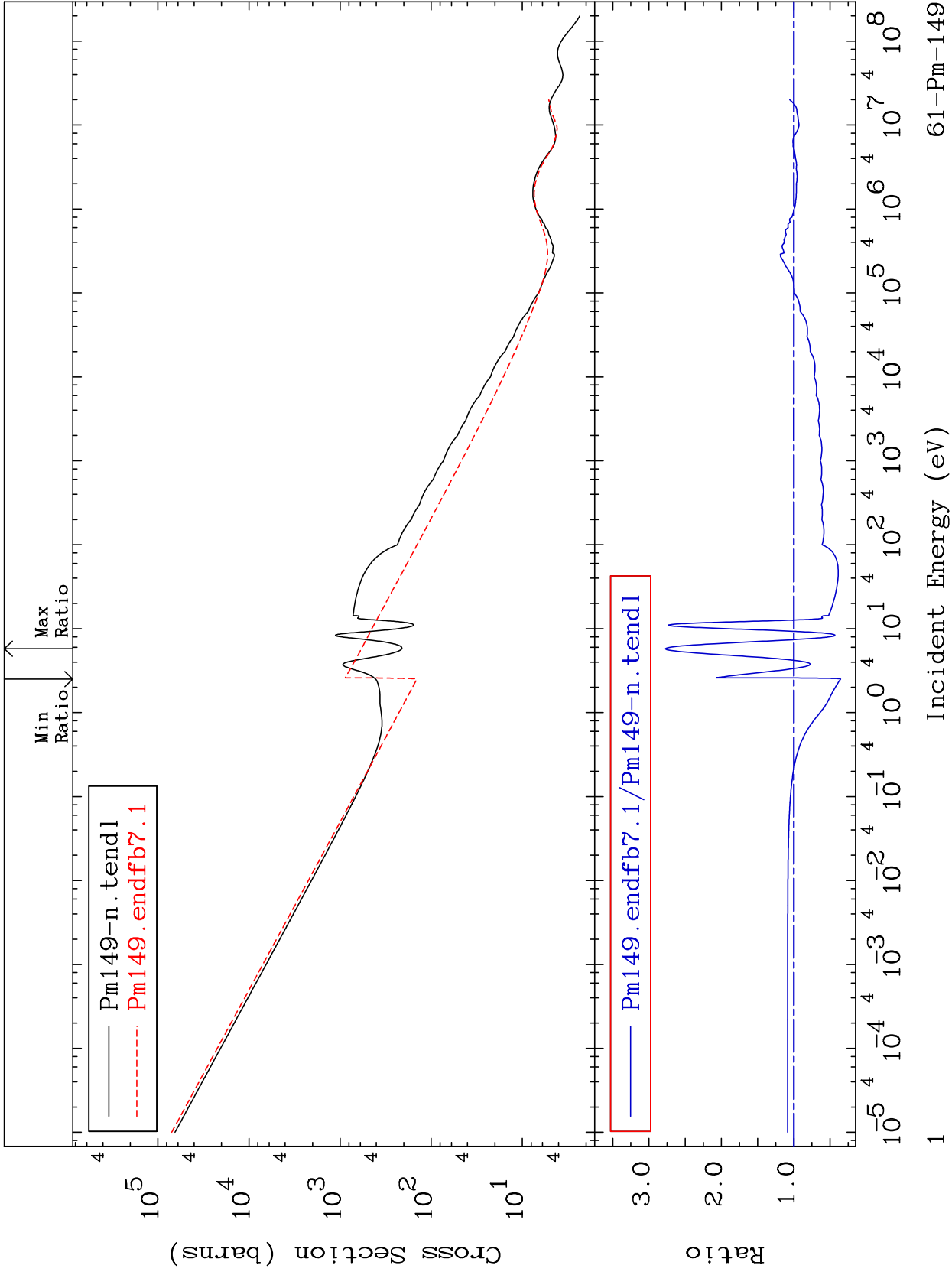
MAT 6155

Total

61-Pm-149

Cross Section

-64.58 To 177.2 %



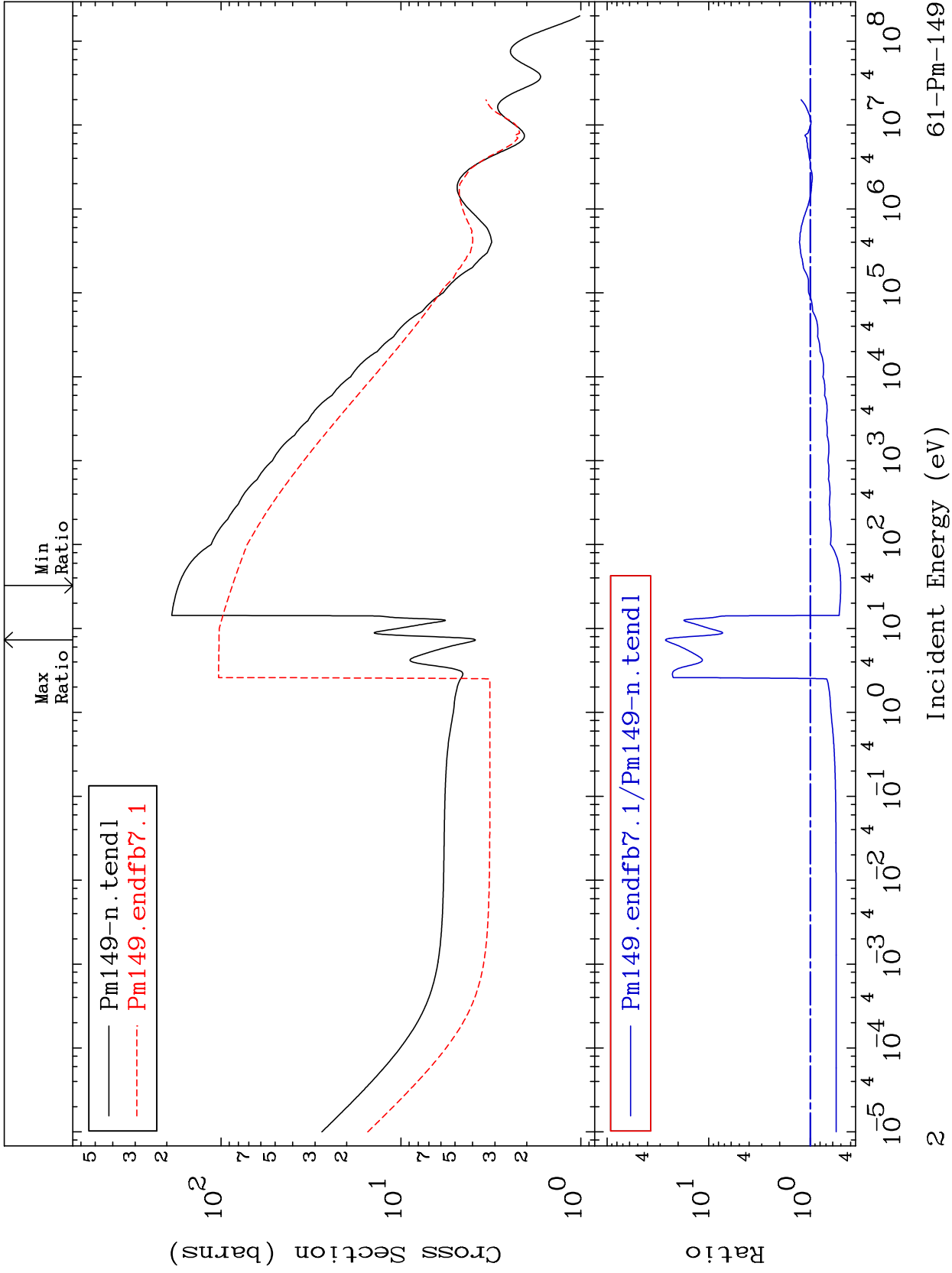
Incident Energy (eV)

61-Pm-149

MAT 6155

61-Pm-149
-49.82 To 2561. %

Elastic
Cross Section

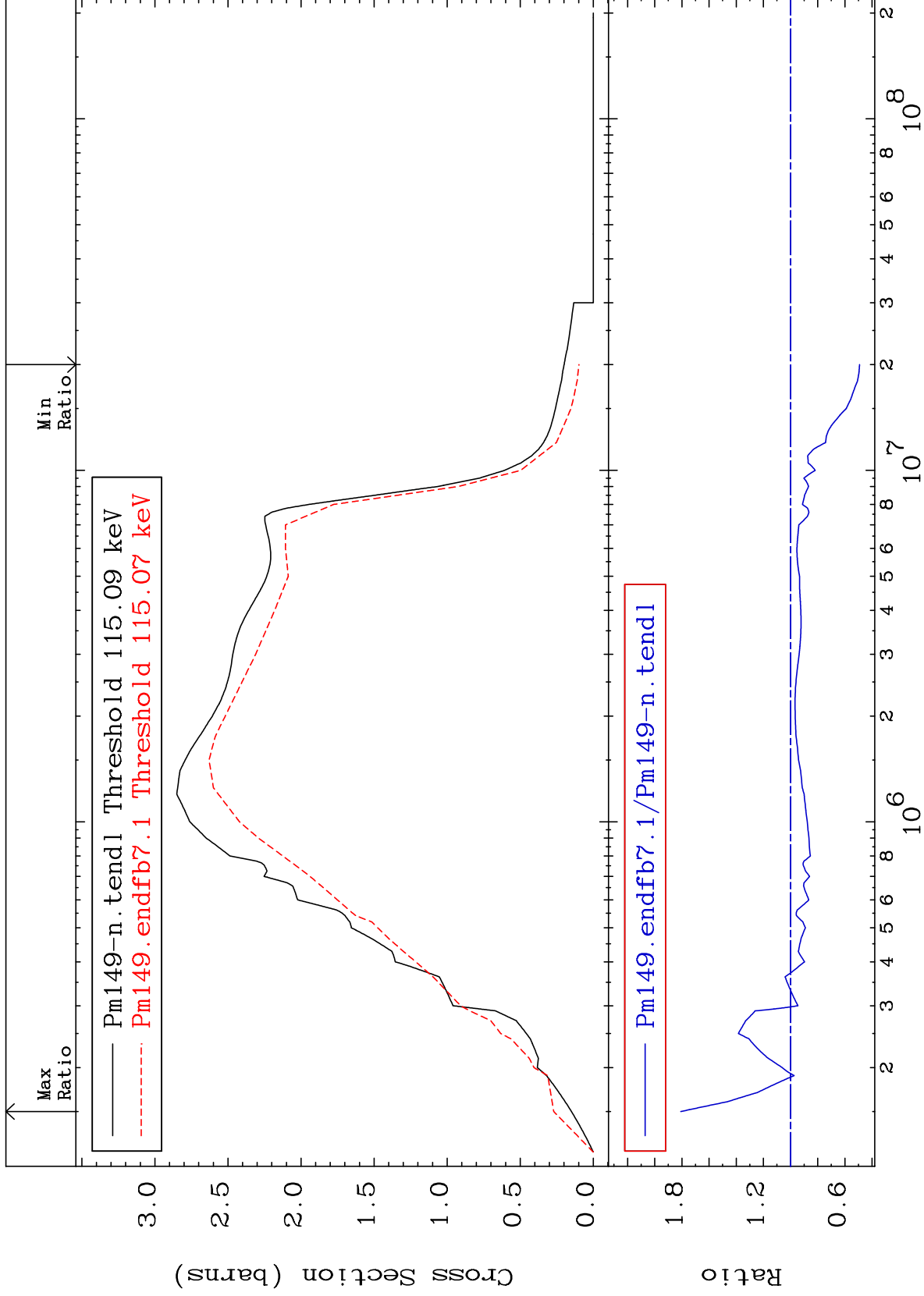


61-Pm-149

MAT 6155

Inelastic
Cross Section

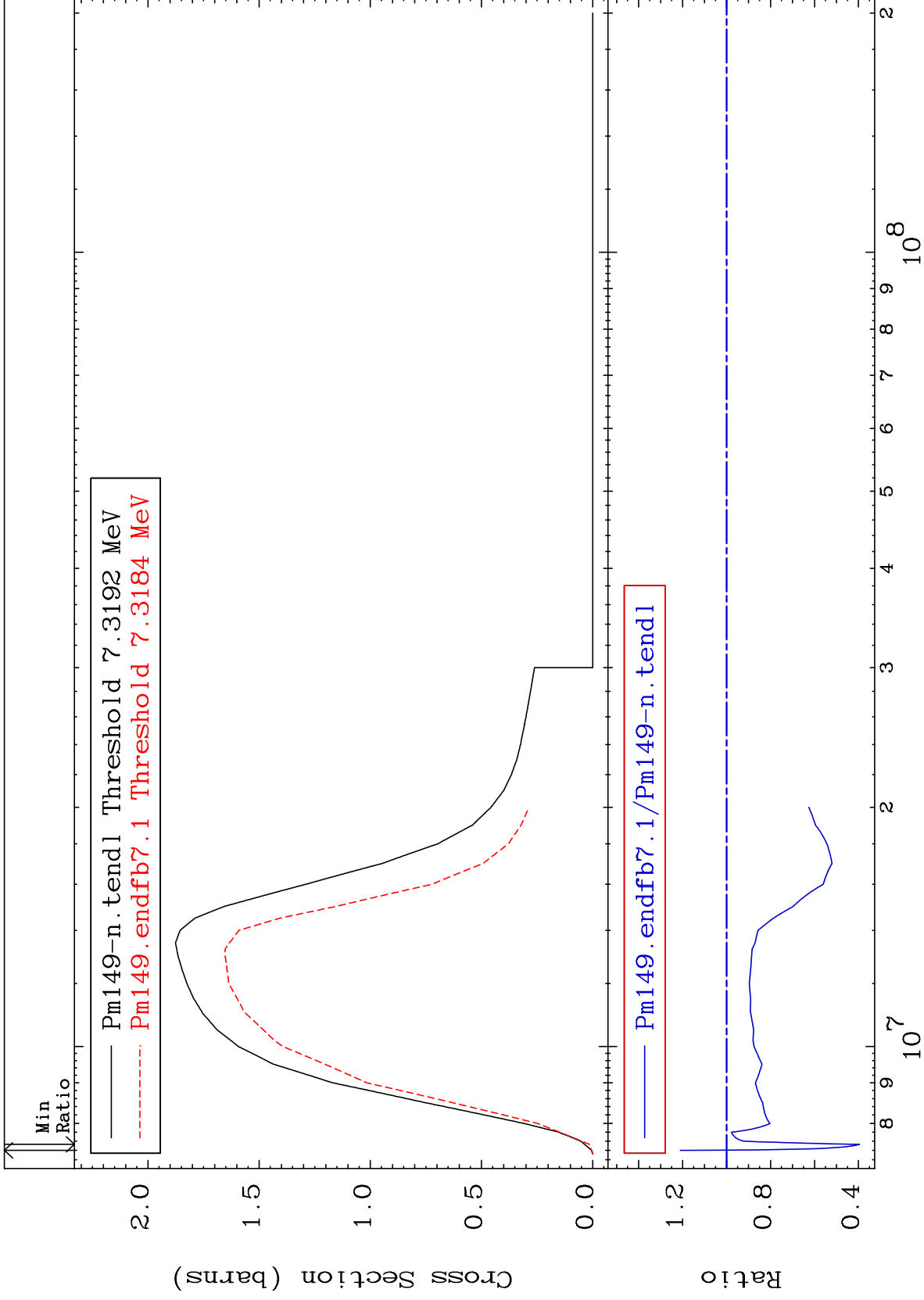
61-Pm-149
-50.78 To 80.83 %



MAT 6155

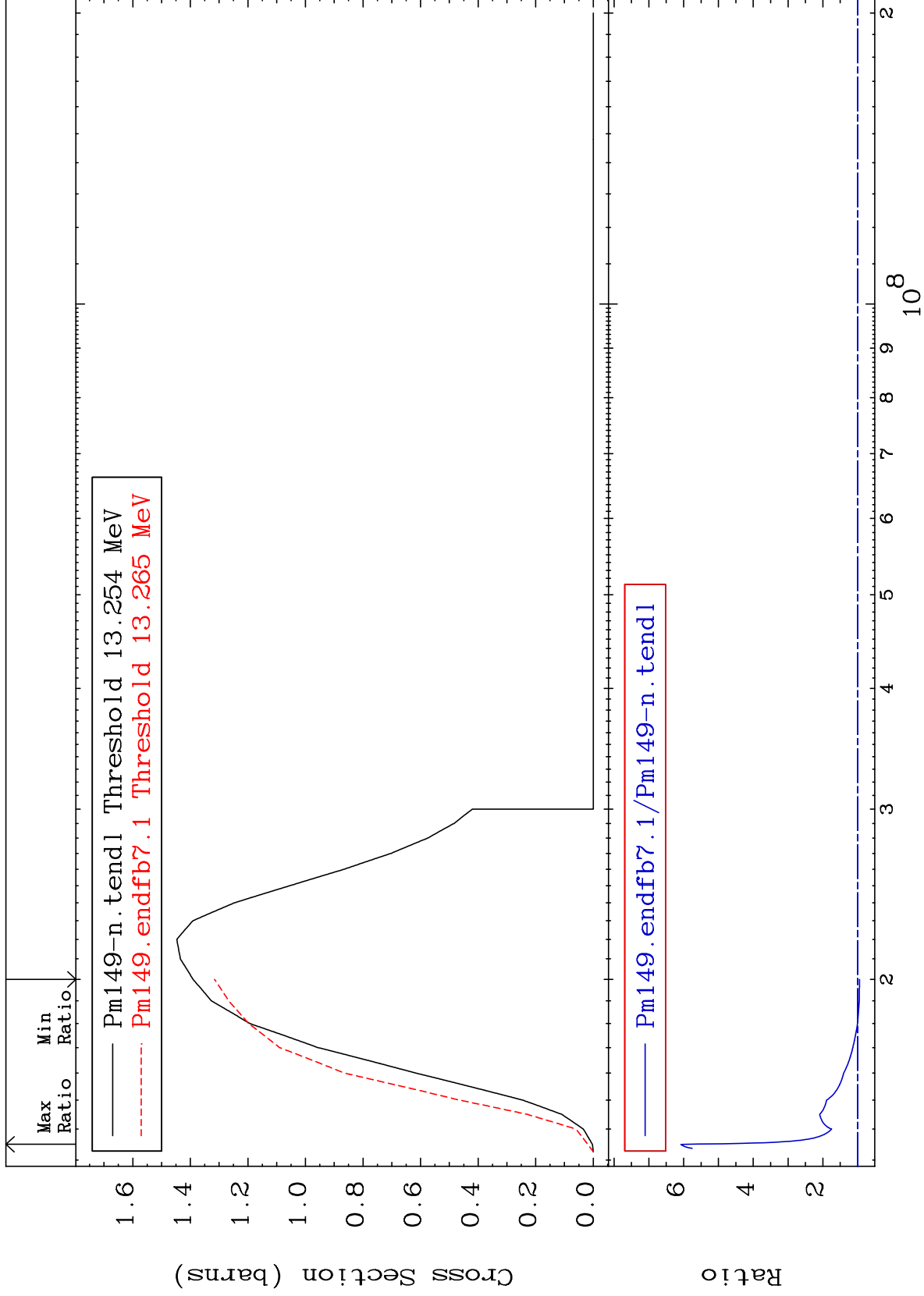
(n,2n)
Cross Section

61-Pm-149
-60.43 To 21.02 %



4

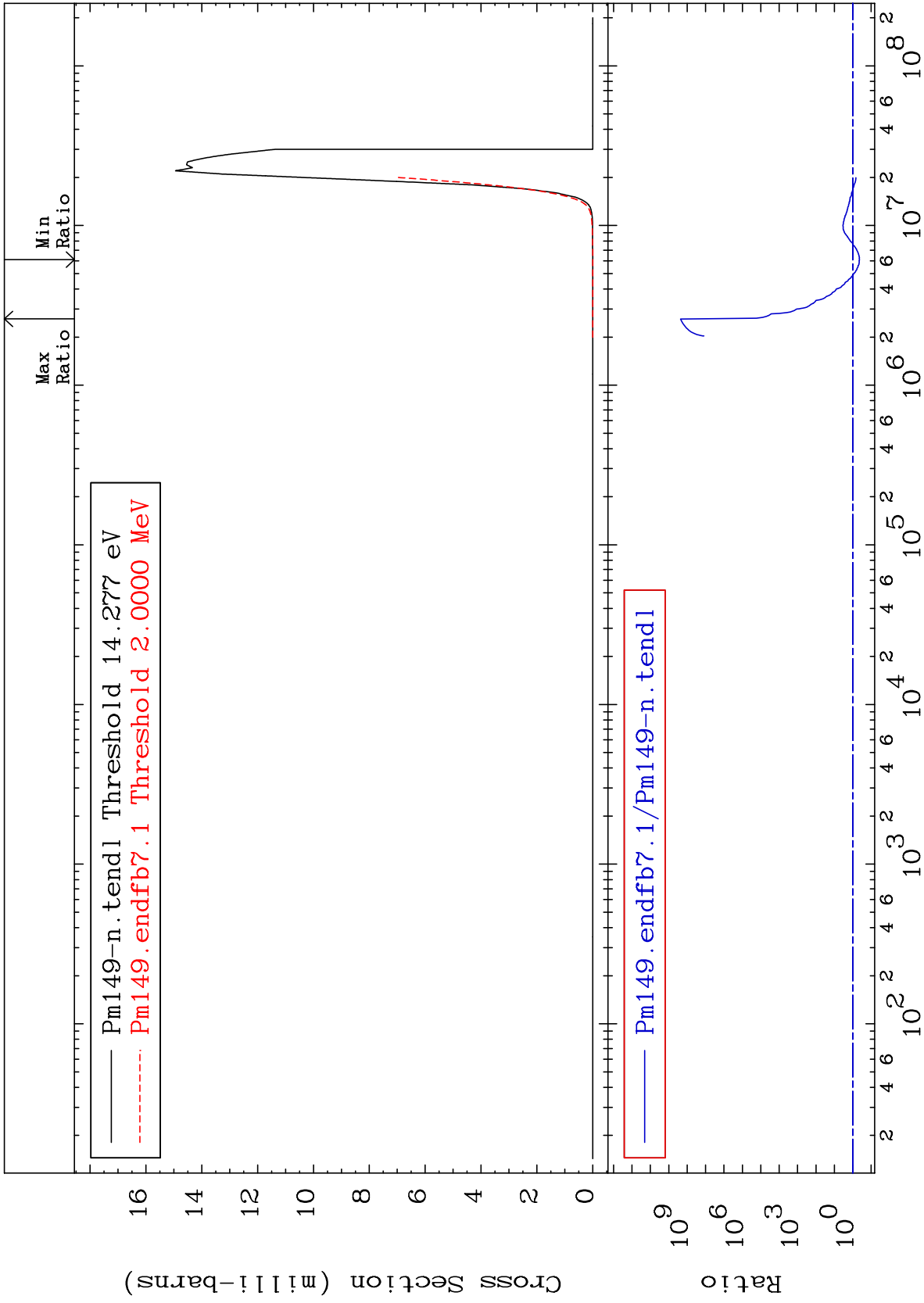
61-Pm-149



MAT 6155

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

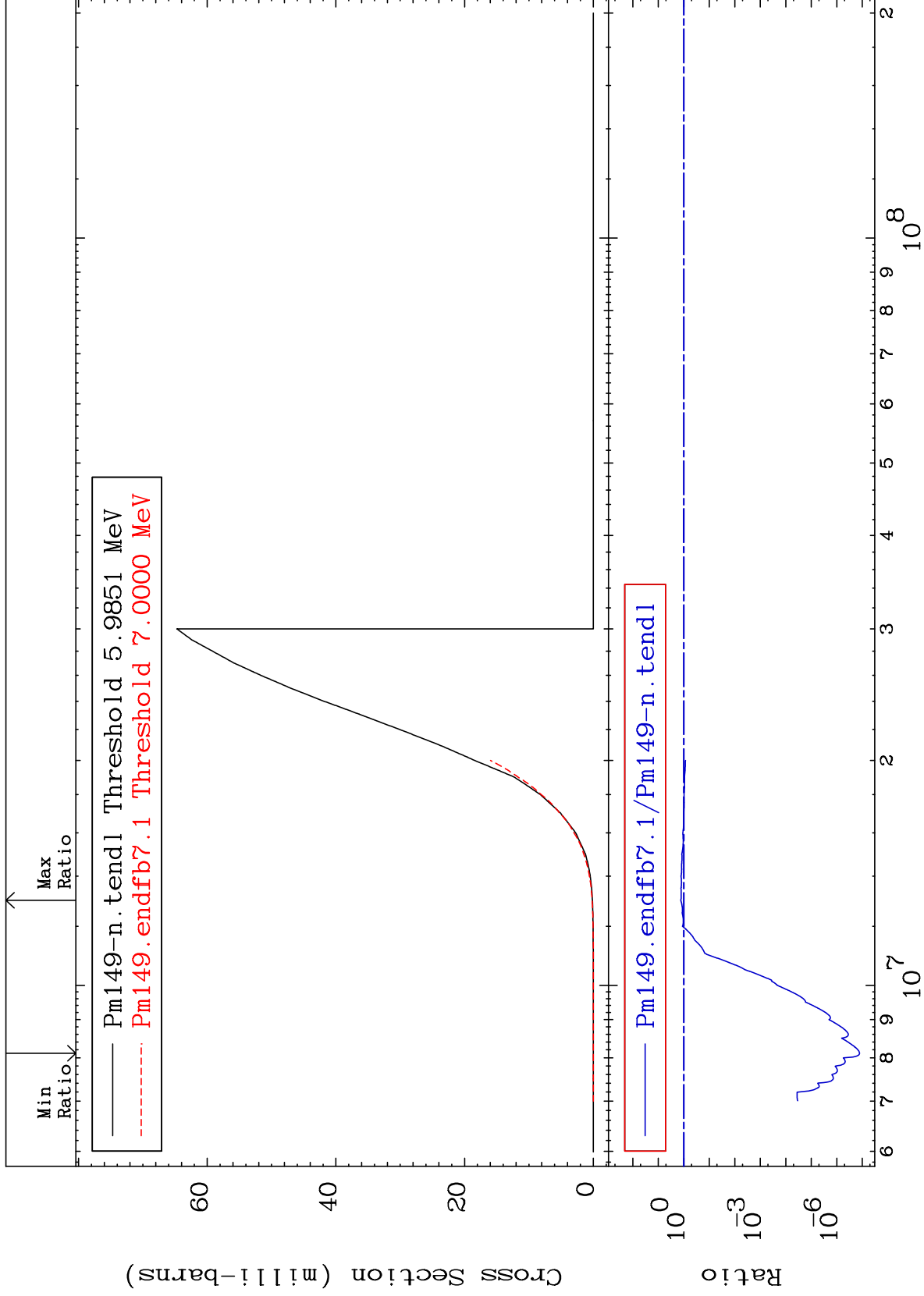
61-Pm-149
-56.39 To 9999. %



MAT 6155

(n,n') p
Cross Section

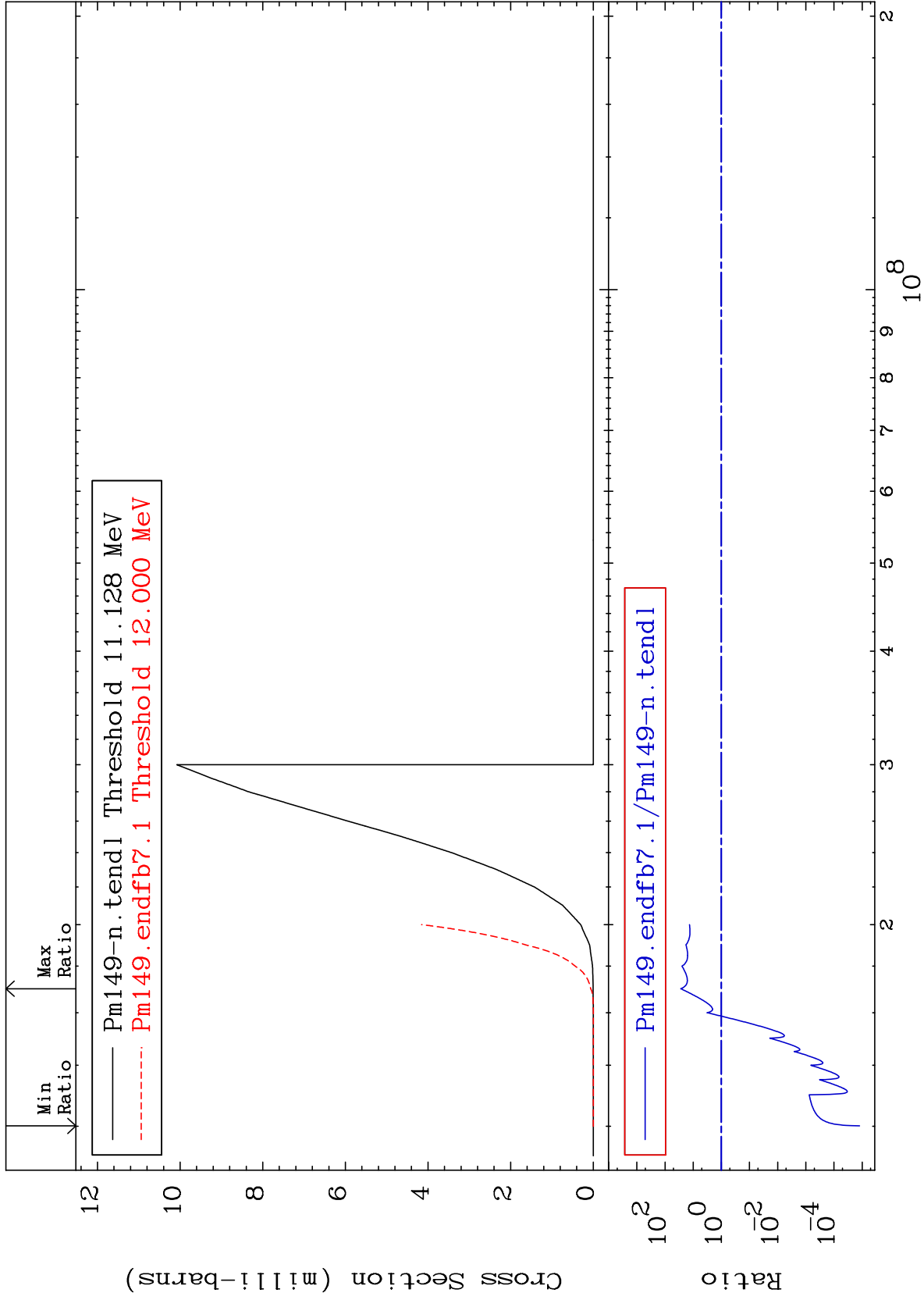
61-Pm-149
-100.0 To 31.85 %



7

61-Pm-149

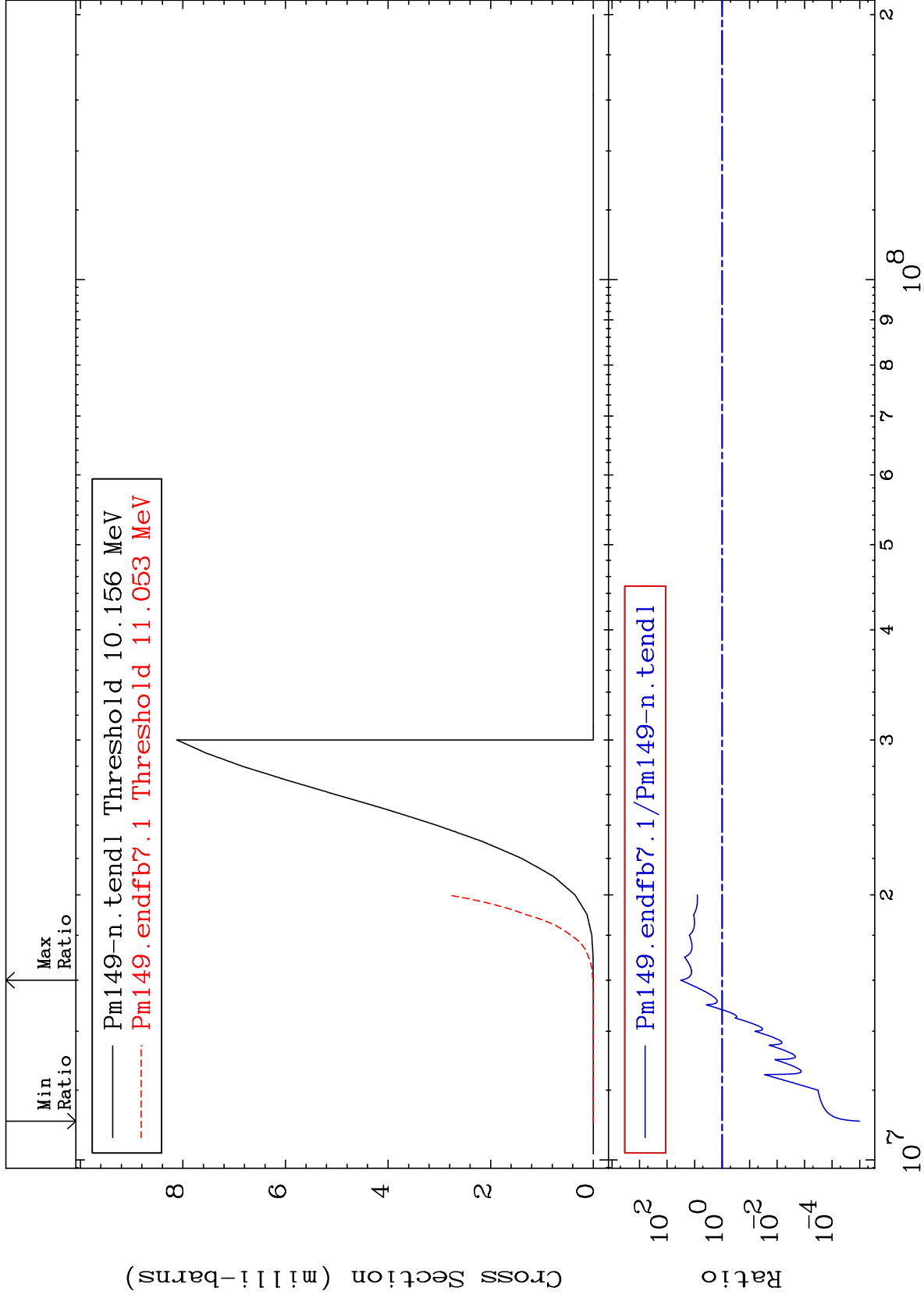
61-Pm-149



MAT 6155

(n,n') t
Cross Section

61-Pm-149
-100.0 To 3077. %



61-Pm-149

61-Pm-149

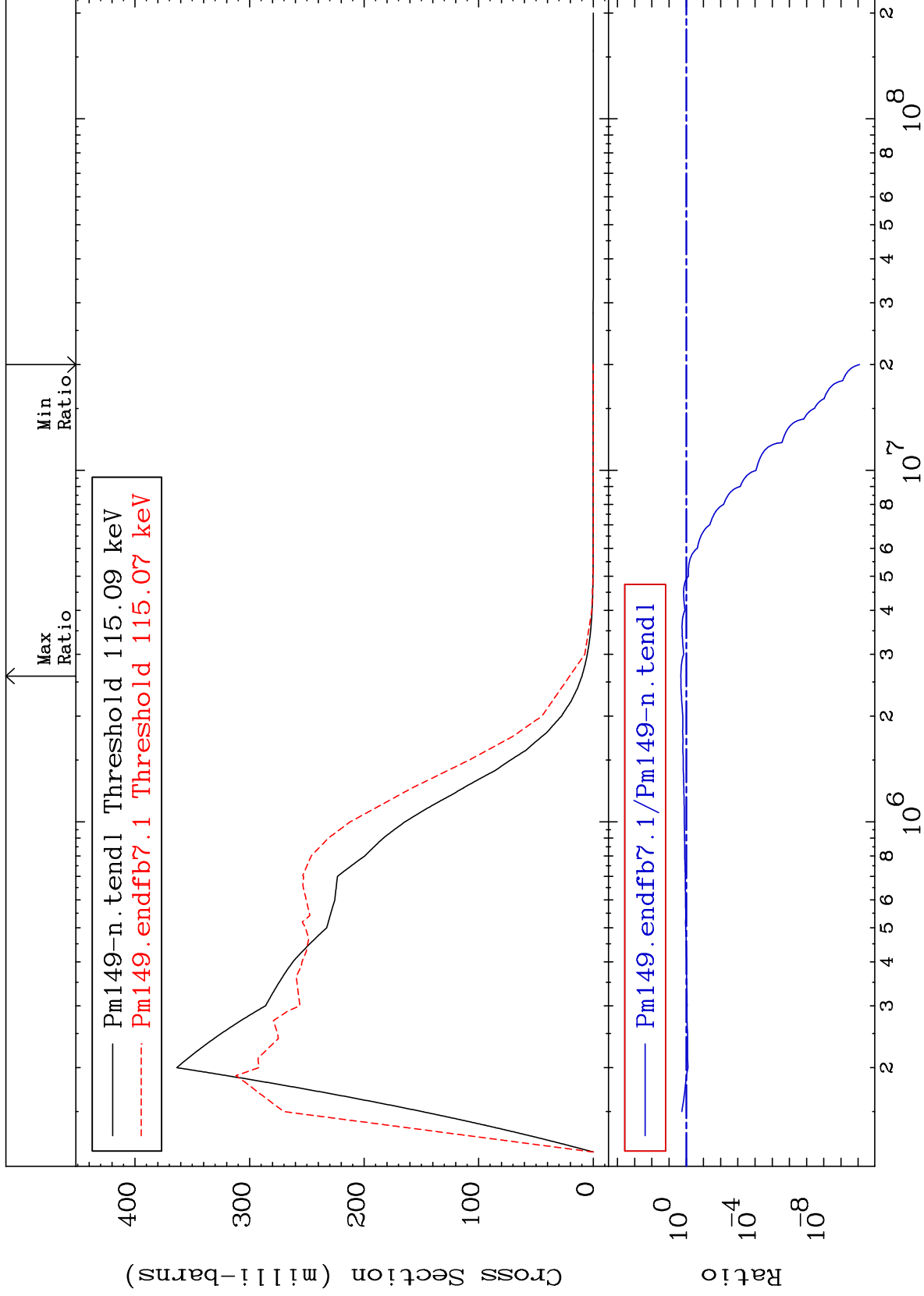
MAT 6155

114.3 keV (n,n') Level

61-Pm-149

-100.0 To 108.9 %

Cross Section



10

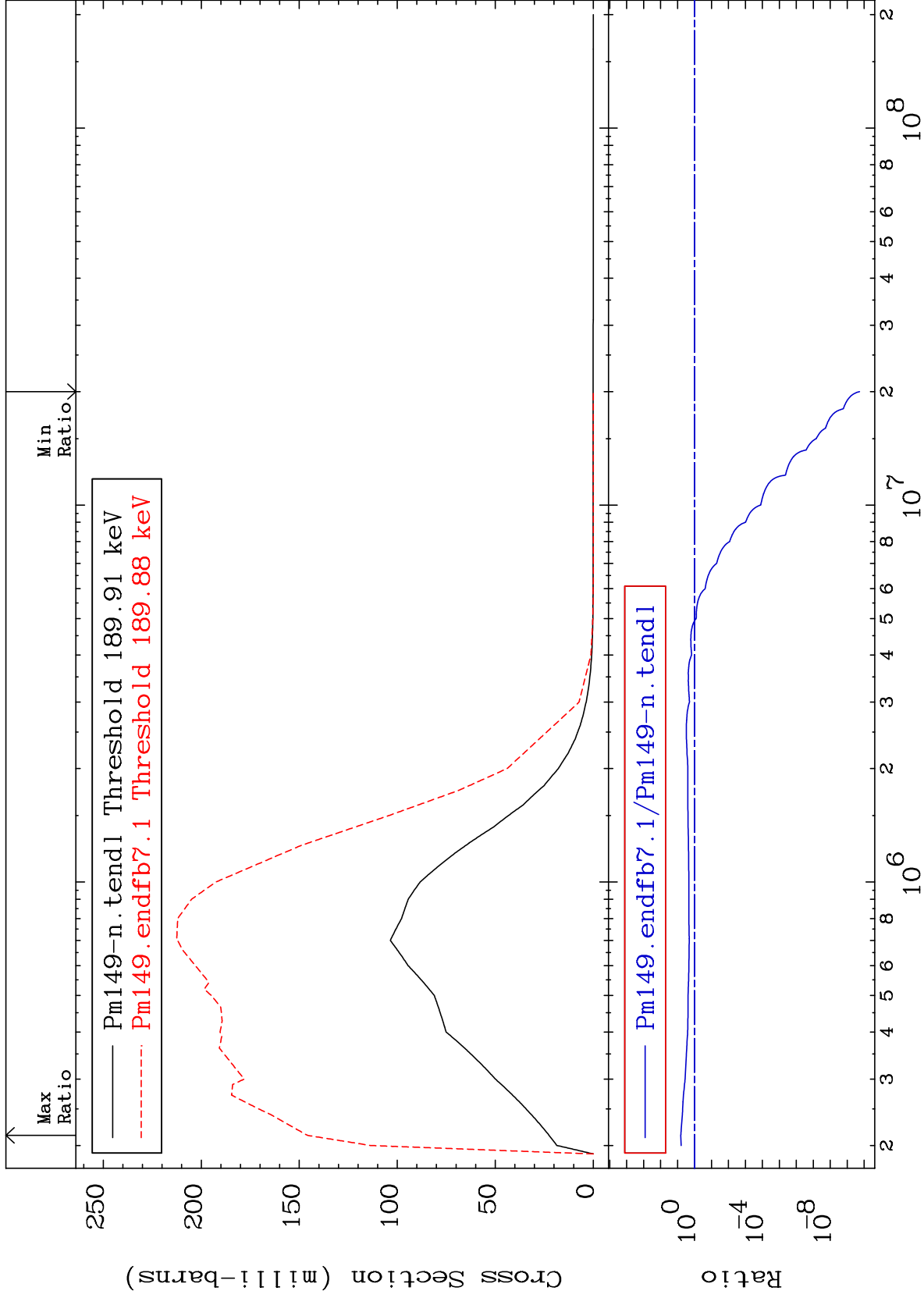
Incident Energy (eV)

61-Pm-149

MAT 6155

188.6 keV (n,n') Level
Cross Section

61-Pm-149
-100.0 To 546.7 %



11

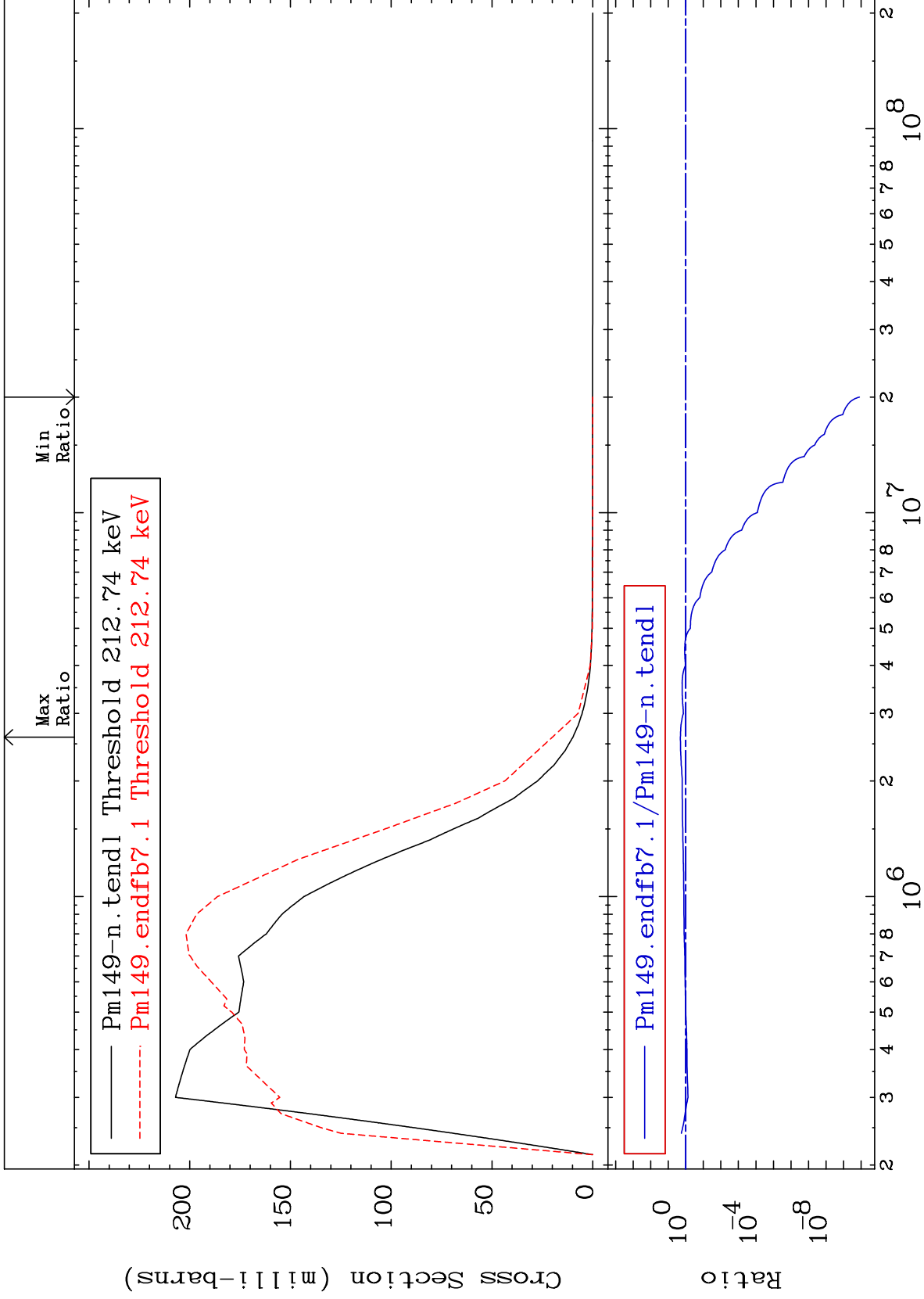
Incident Energy (eV)

61-Pm-149

MAT 6155

211.3 keV (n,n') Level
Cross Section

61-Pm-149
-100.0 To 104.1 %



12

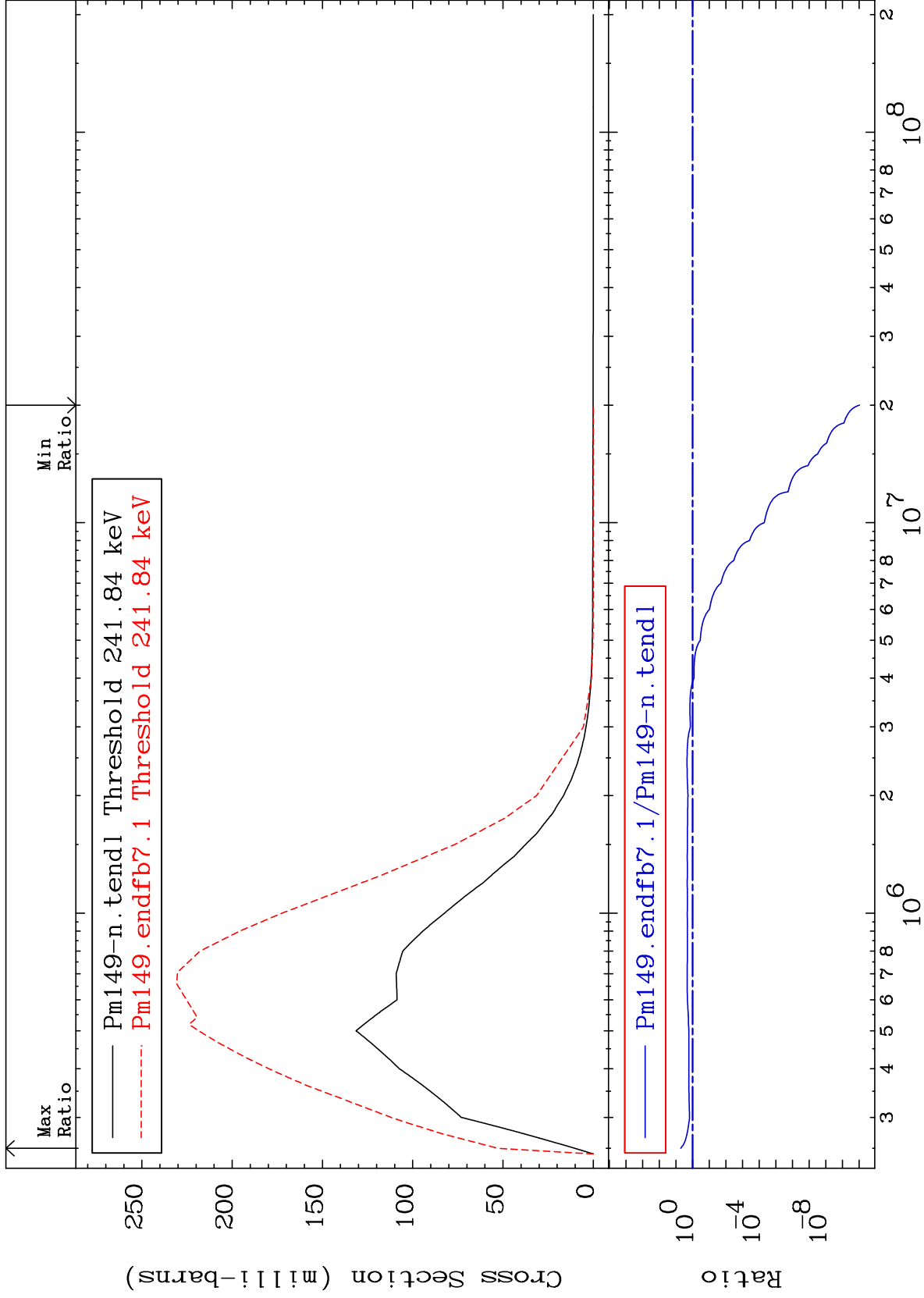
Incident Energy (eV)

61-Pm-149

MAT 6155

240.2 keV (n,n') Level
Cross Section

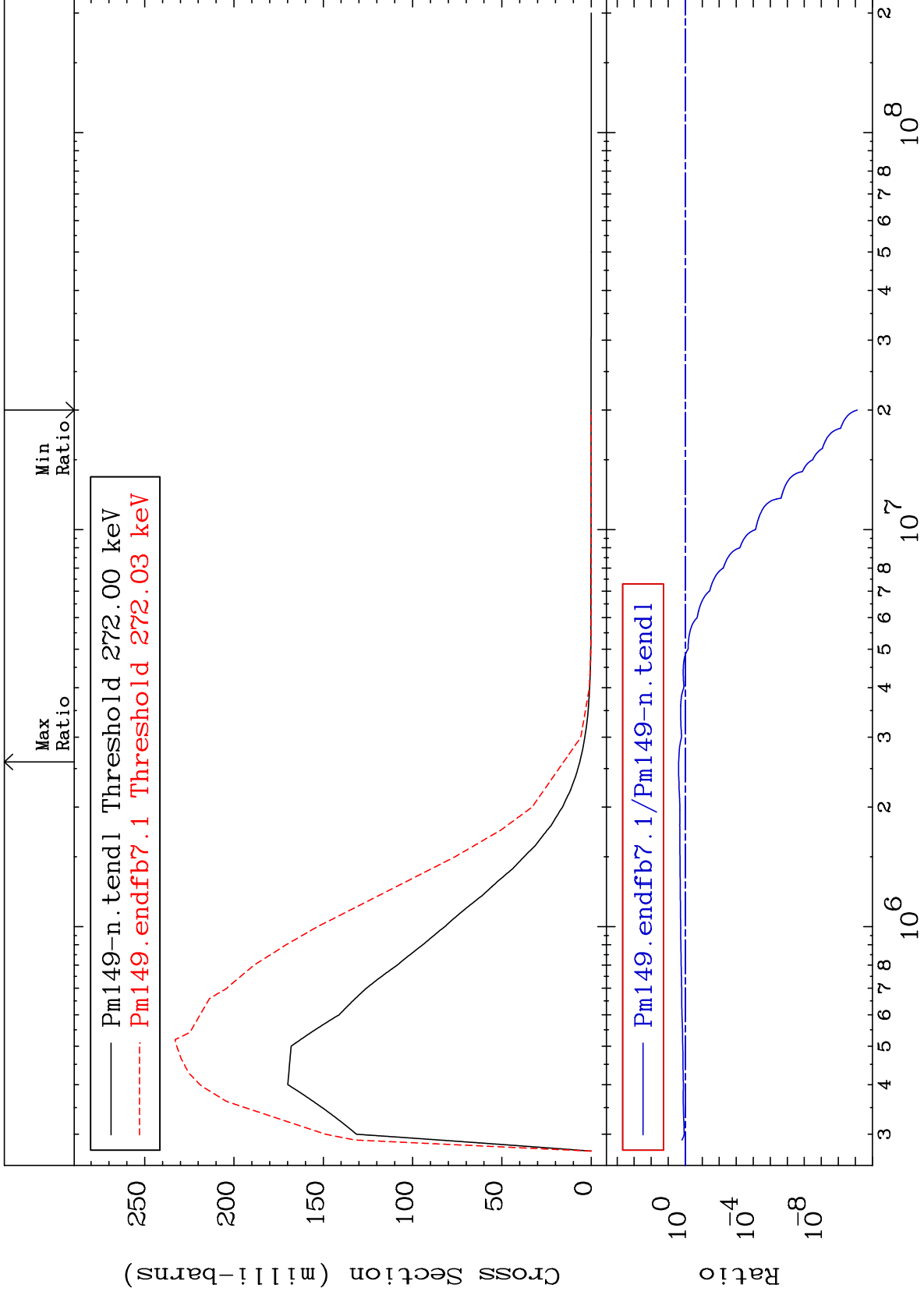
61-Pm-149
-100.0 To 414.5 %



MAT 6155

270.2 keV (n,n') Level
Cross Section

61-Pm-149
-100.0 To 143.4 %



14

61-Pm-149

61-Pm-149

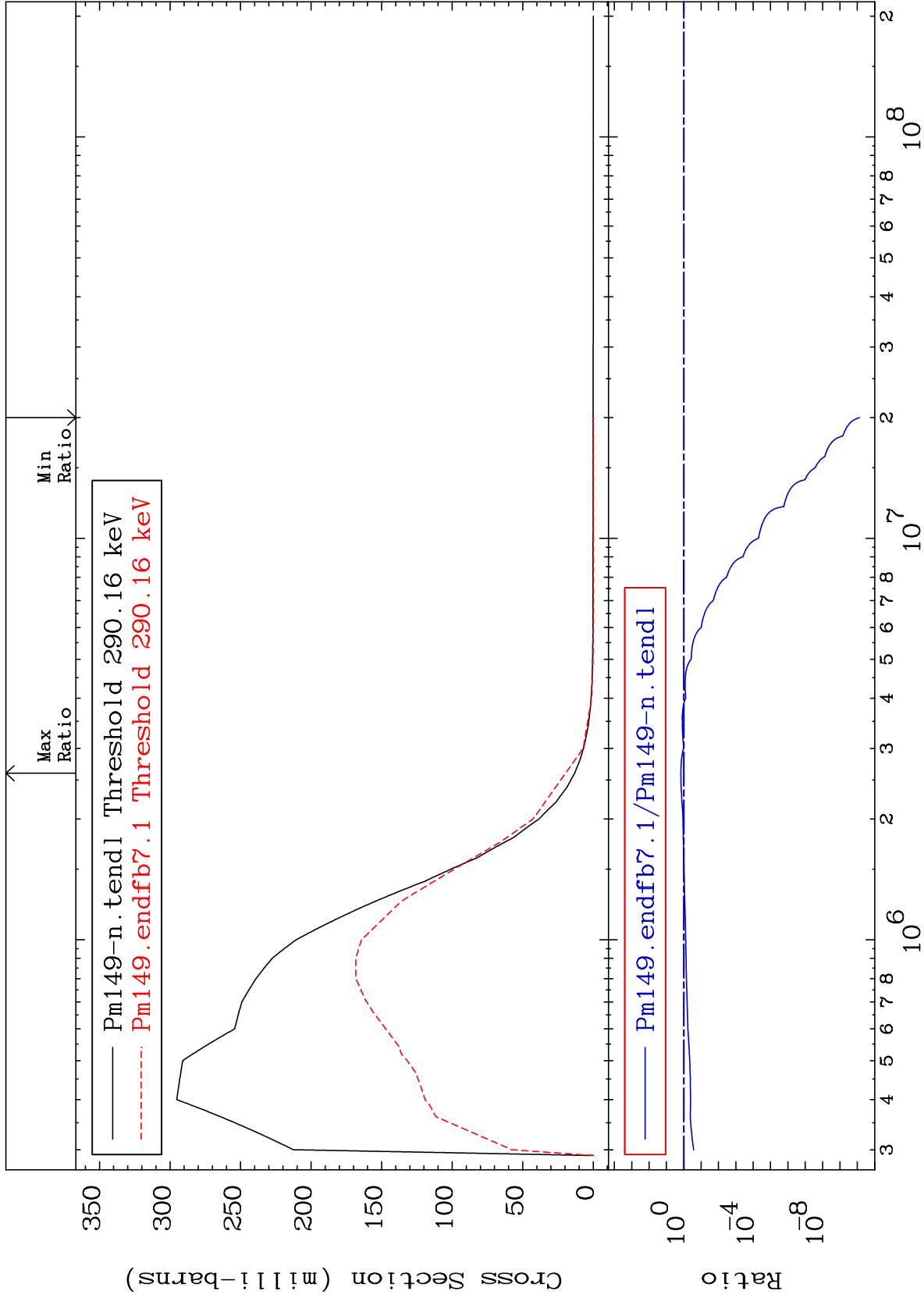
MAT 6155

288.2 keV (n,n') Level

61-Pm-149

-100.0 To 48.85 %

Cross Section



15

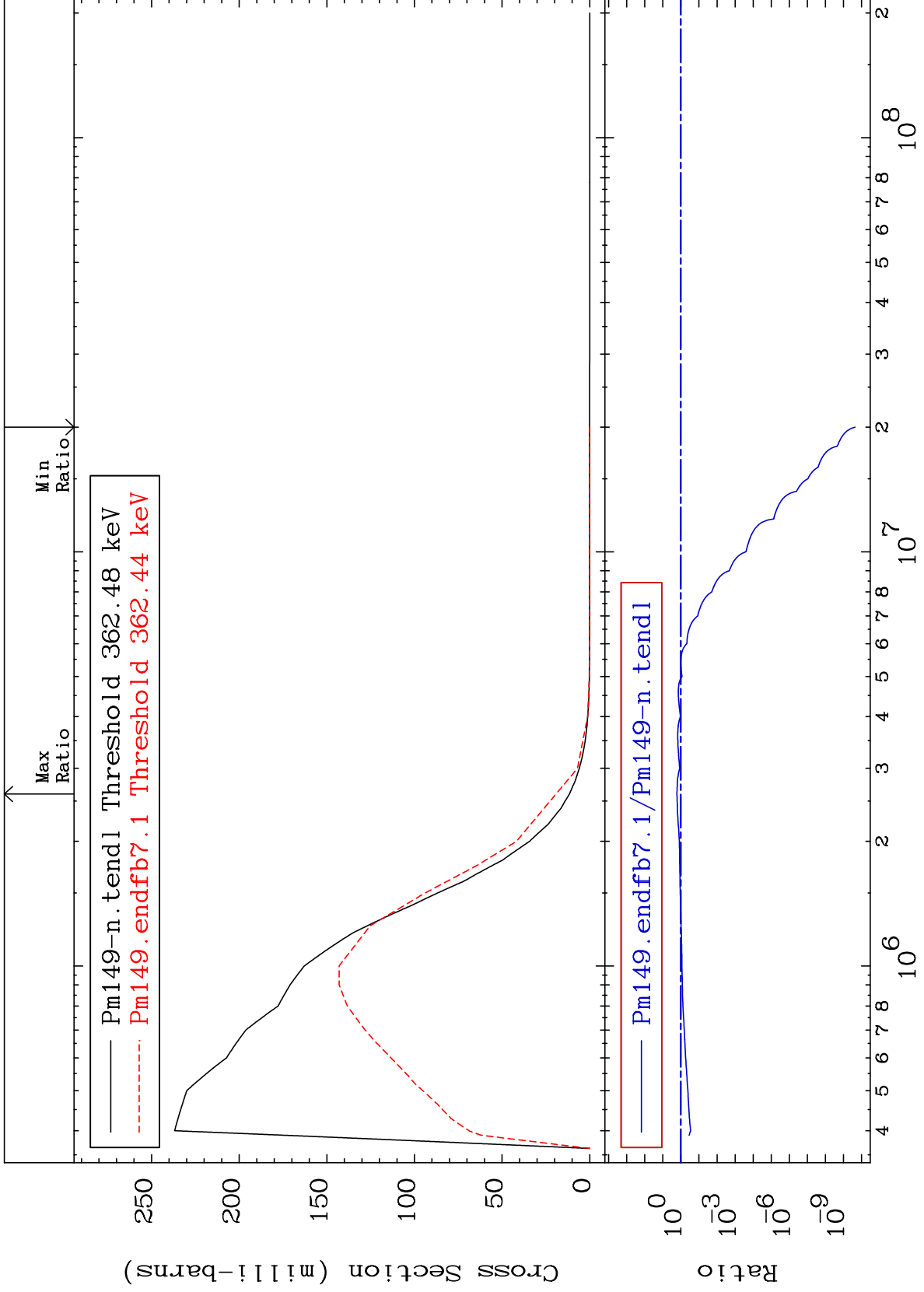
Incident Energy (eV)

61-Pm-149

MAT 6155

360.0 keV (n,n') Level
Cross Section

61-Pm-149
-100.0 To 65.95 %



16

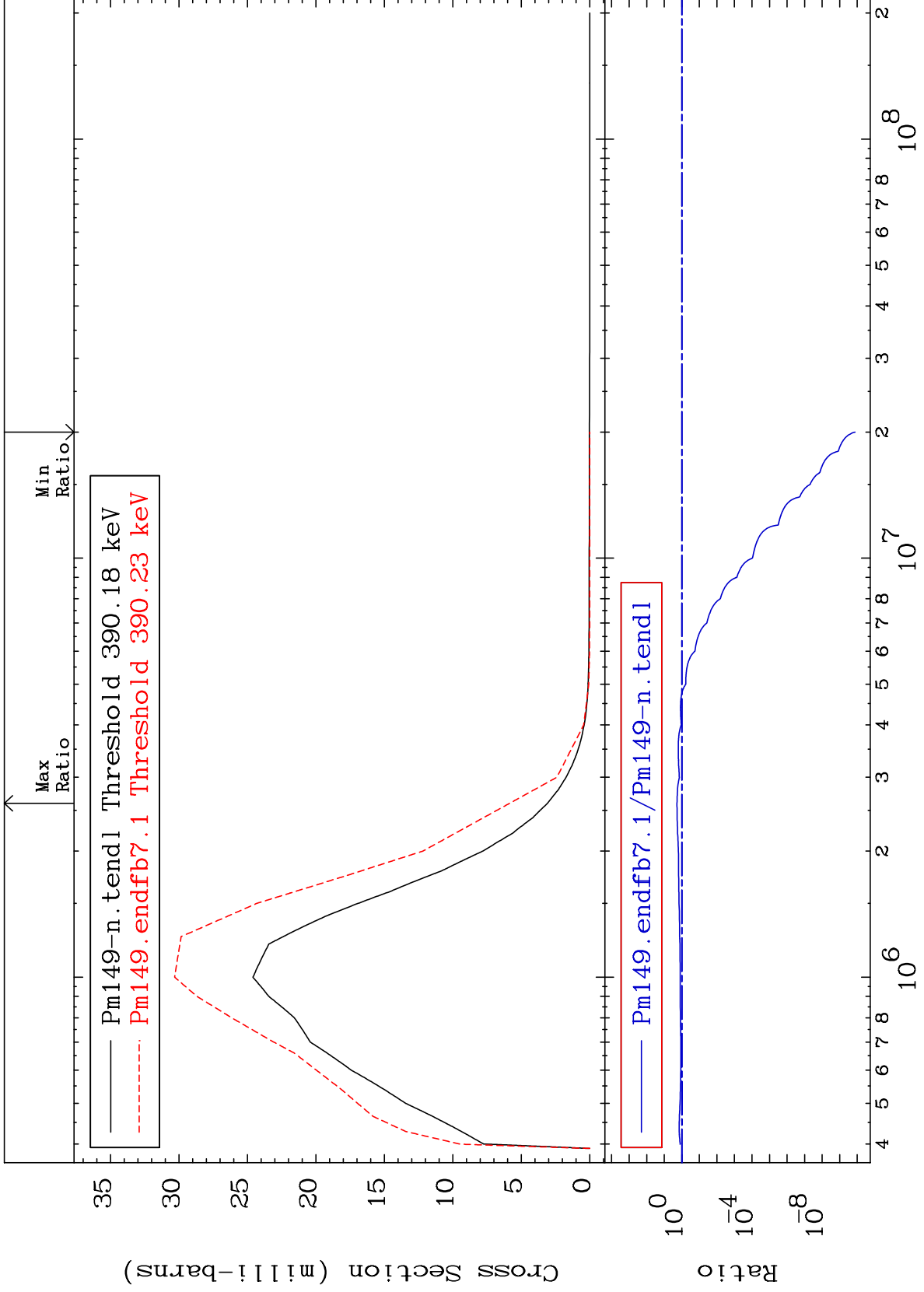
Incident Energy (eV)

61-Pm-149

MAT 6155

387.6 keV (n,n') Level
Cross Section

61-Pm-149
-100.0 To 89.69 %



17

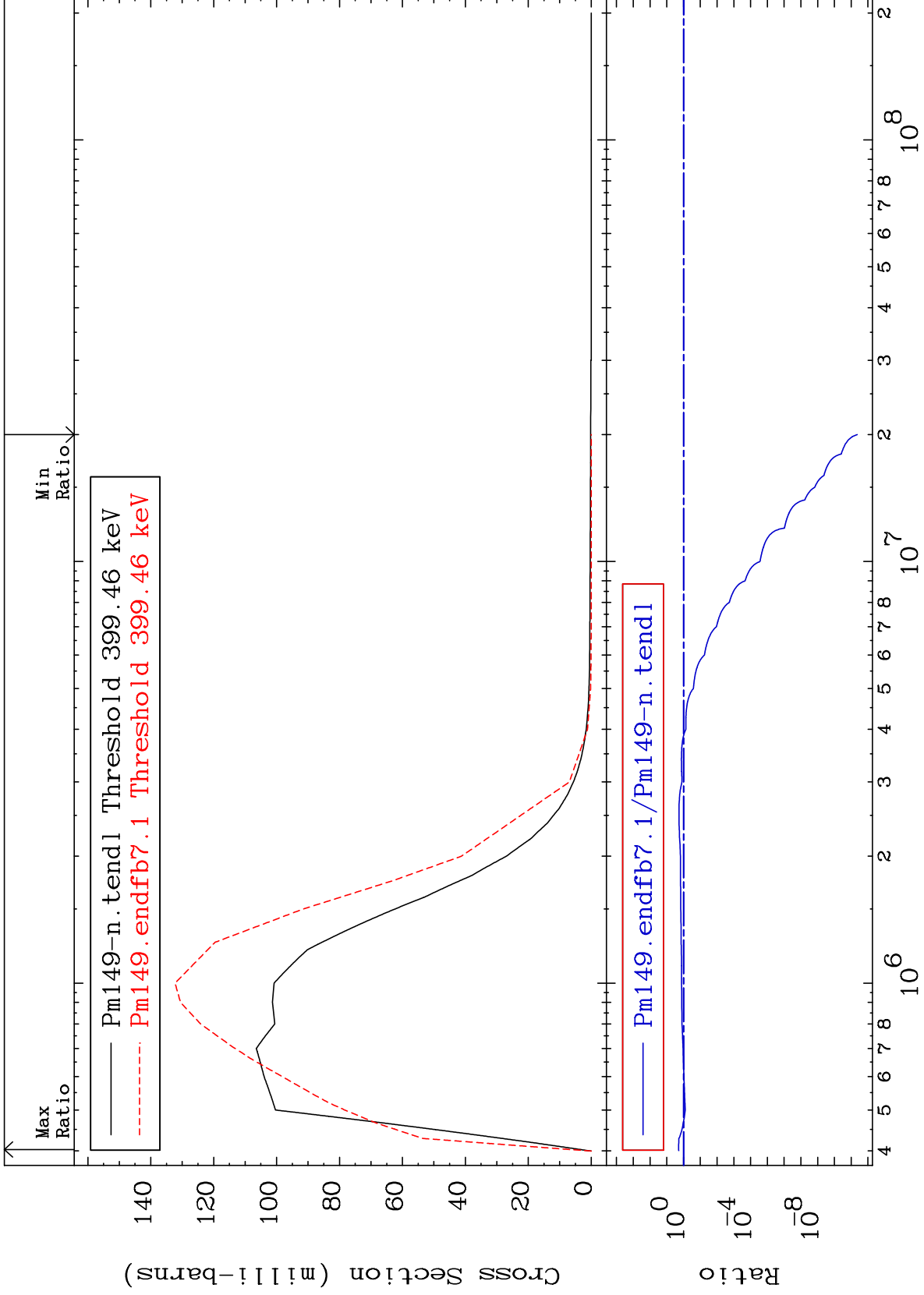
Incident Energy (eV)

61-Pm-149

MAT 6155

396.8 keV (n,n') Level
Cross Section

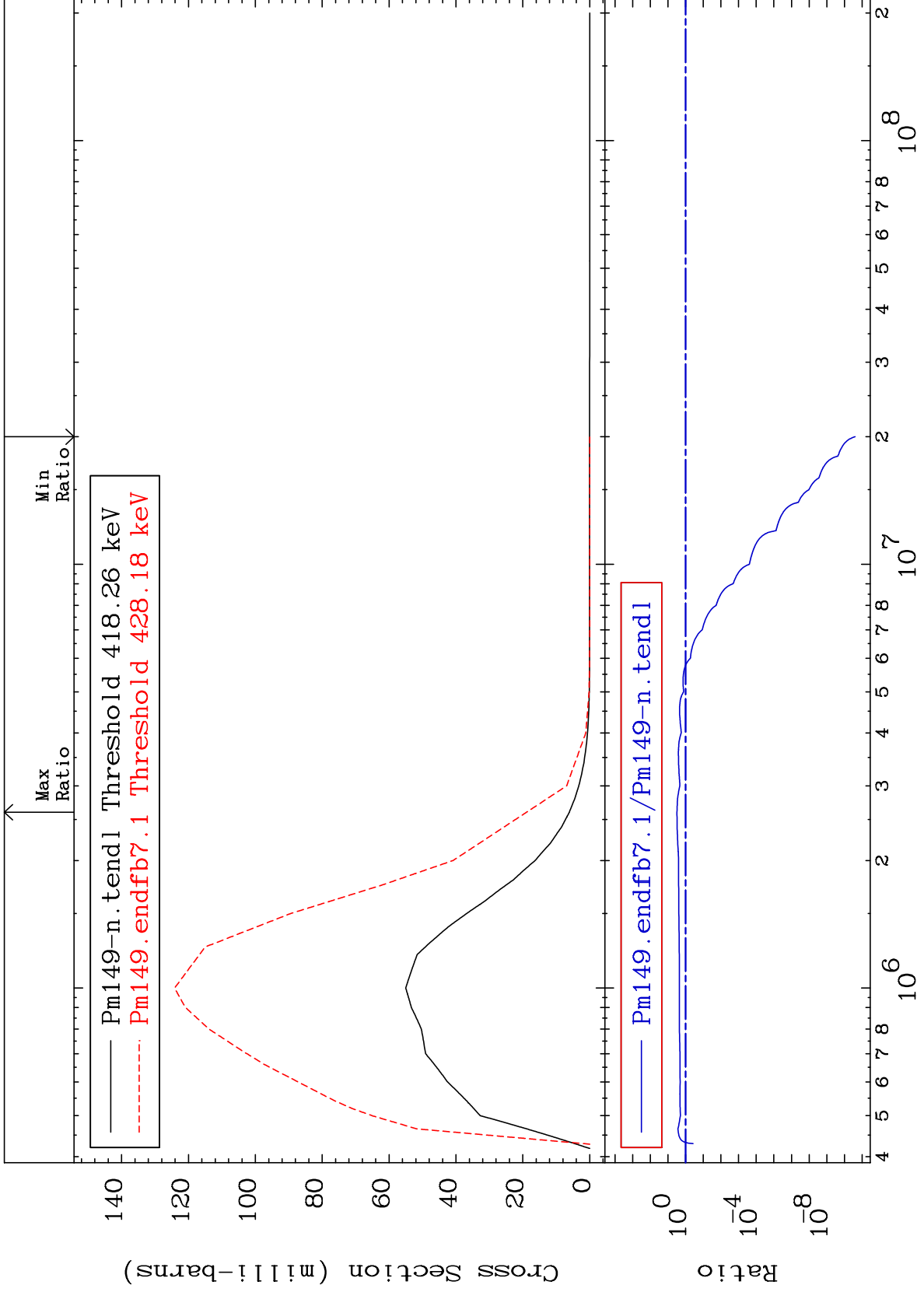
61-Pm-149
-100.0 To 96.00 %



MAT 6155

415.4 keV (n,n') Level
Cross Section

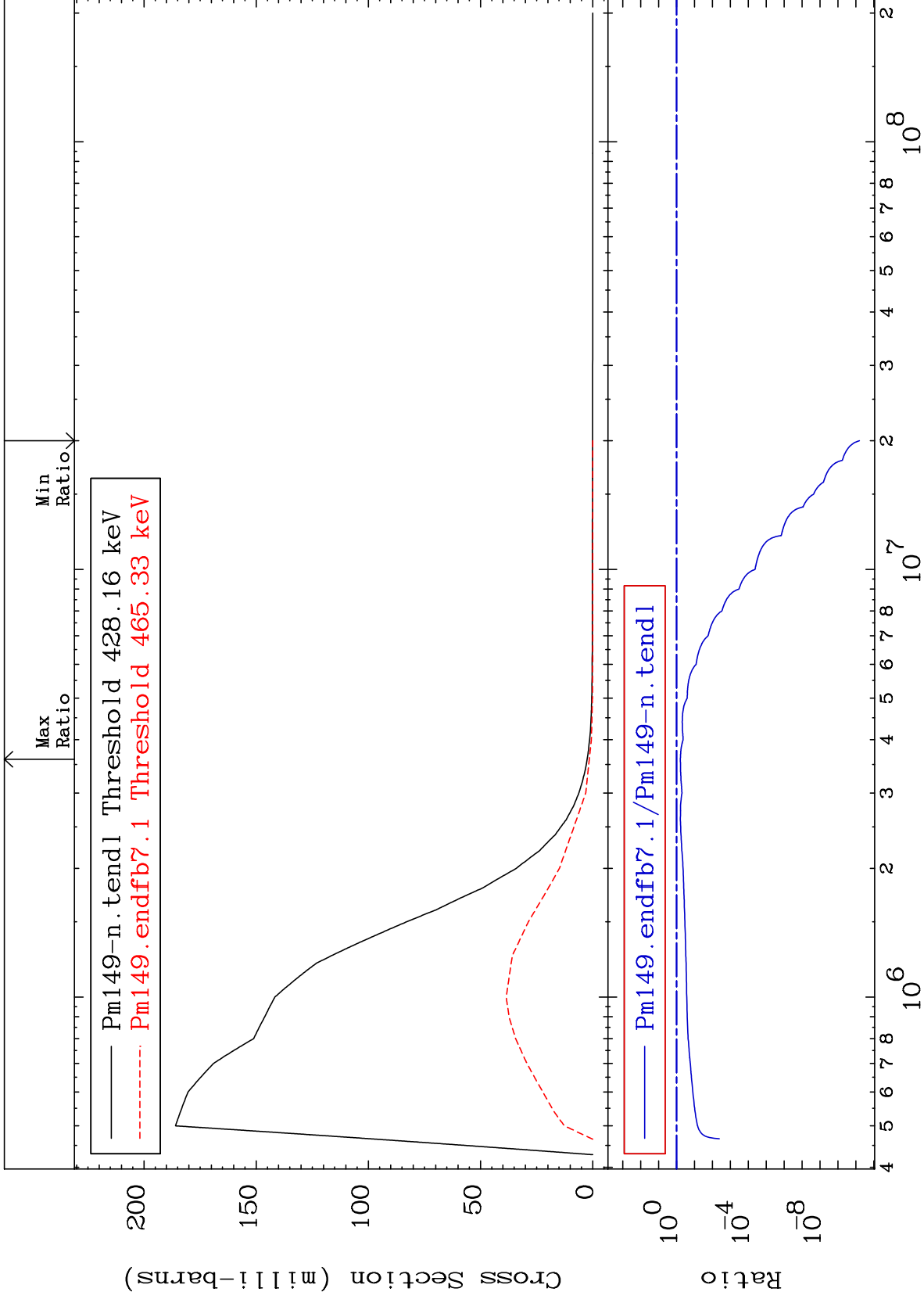
61-Pm-149
-100.0 To 210.3 %



MAT 6155

425.3 keV (n,n') Level
Cross Section

61-Pm-149
-100.0 To -38.47%



20

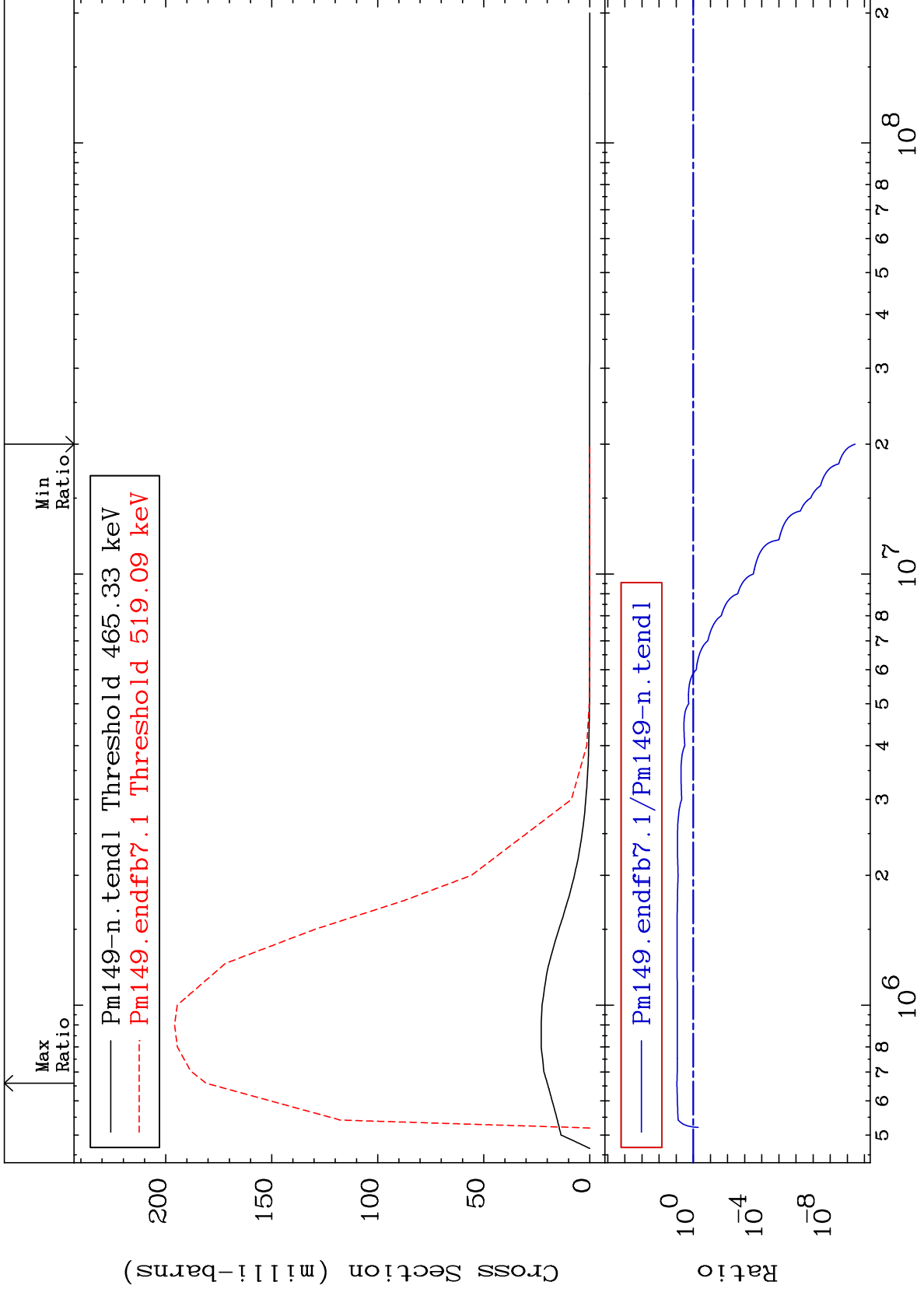
Incident Energy (eV)

61-Pm-149

MAT 6155

462.2 keV (n,n') Level
Cross Section

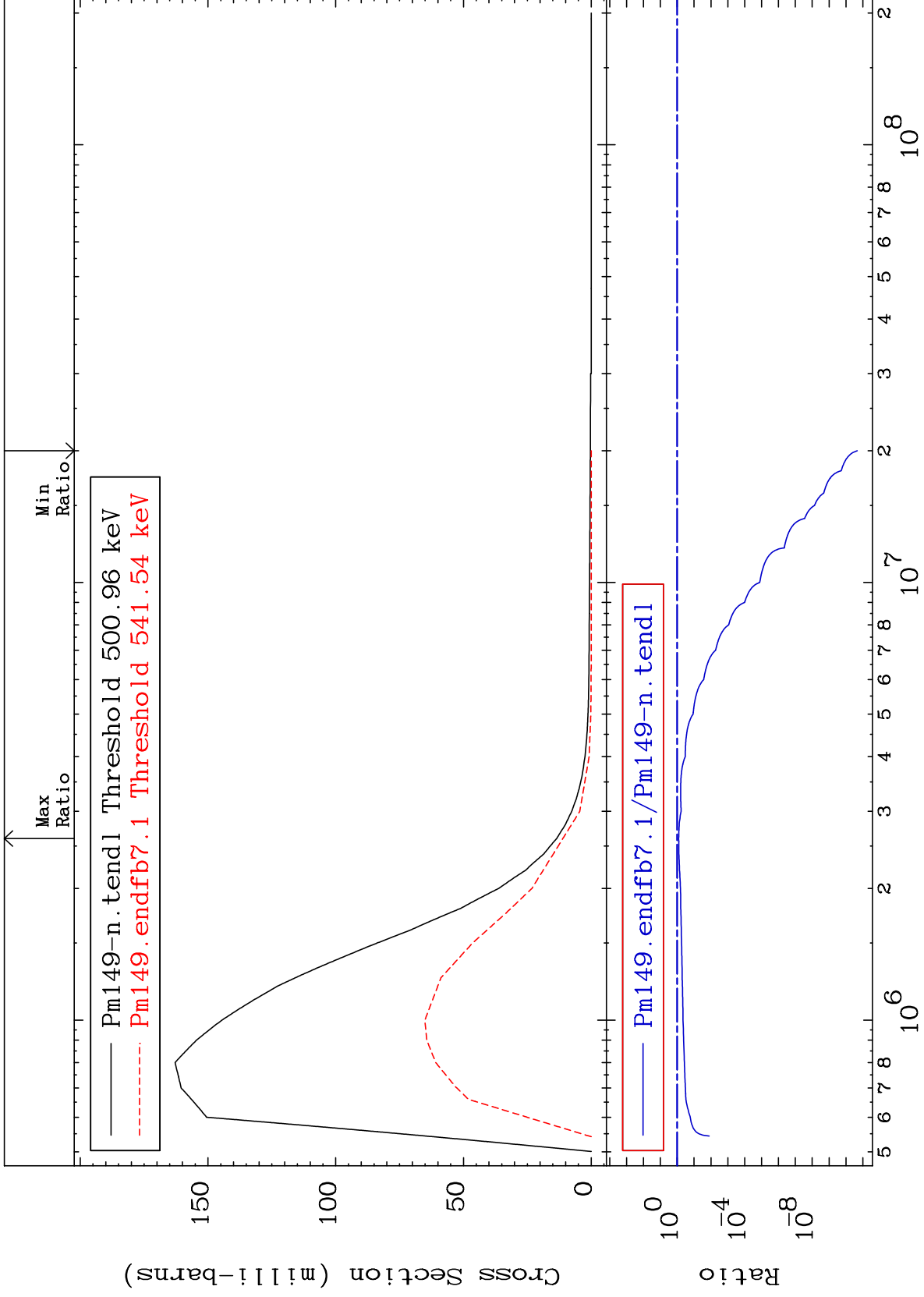
61-Pm-149
-100.0 To 804.7 %



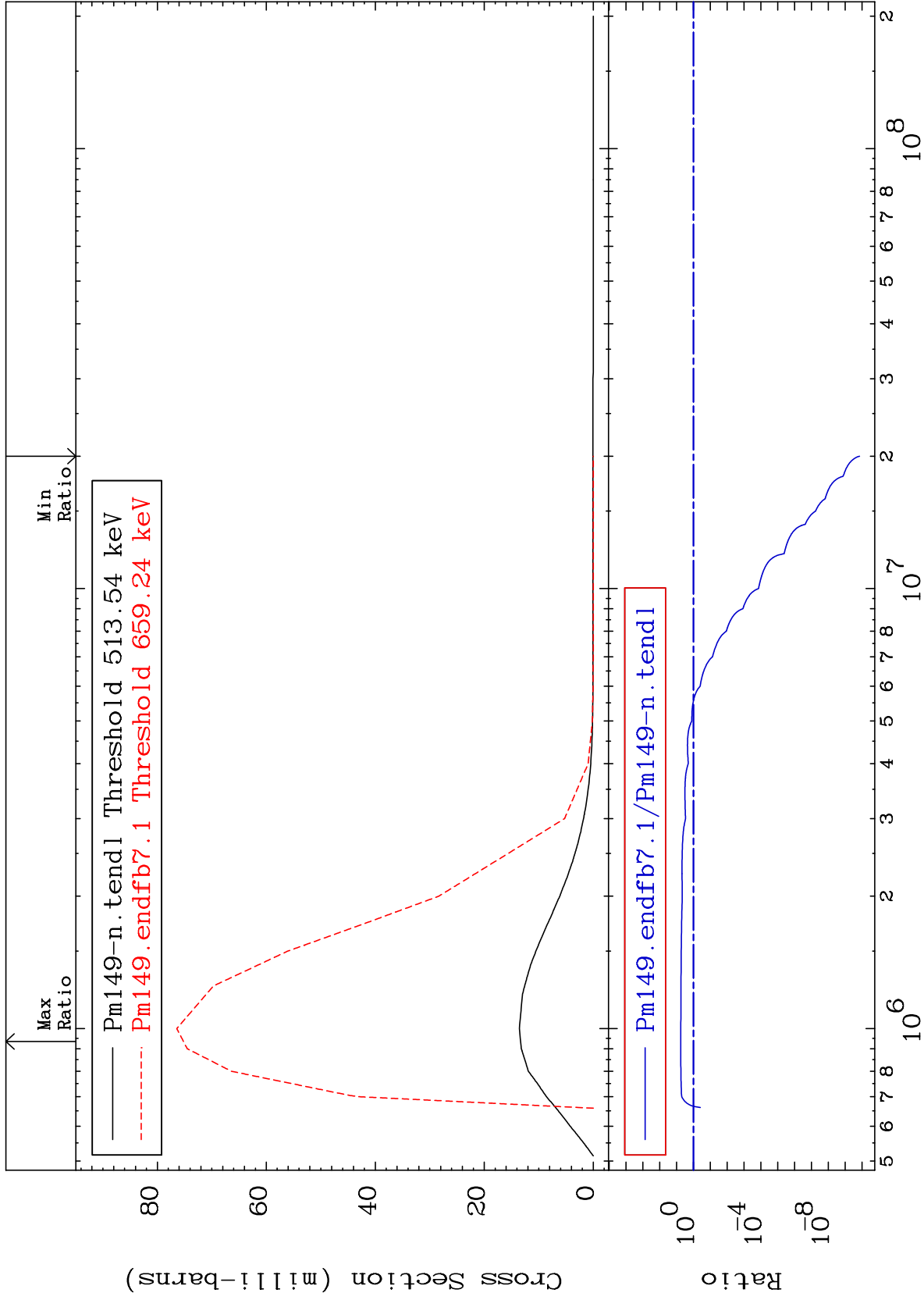
MAT 6155

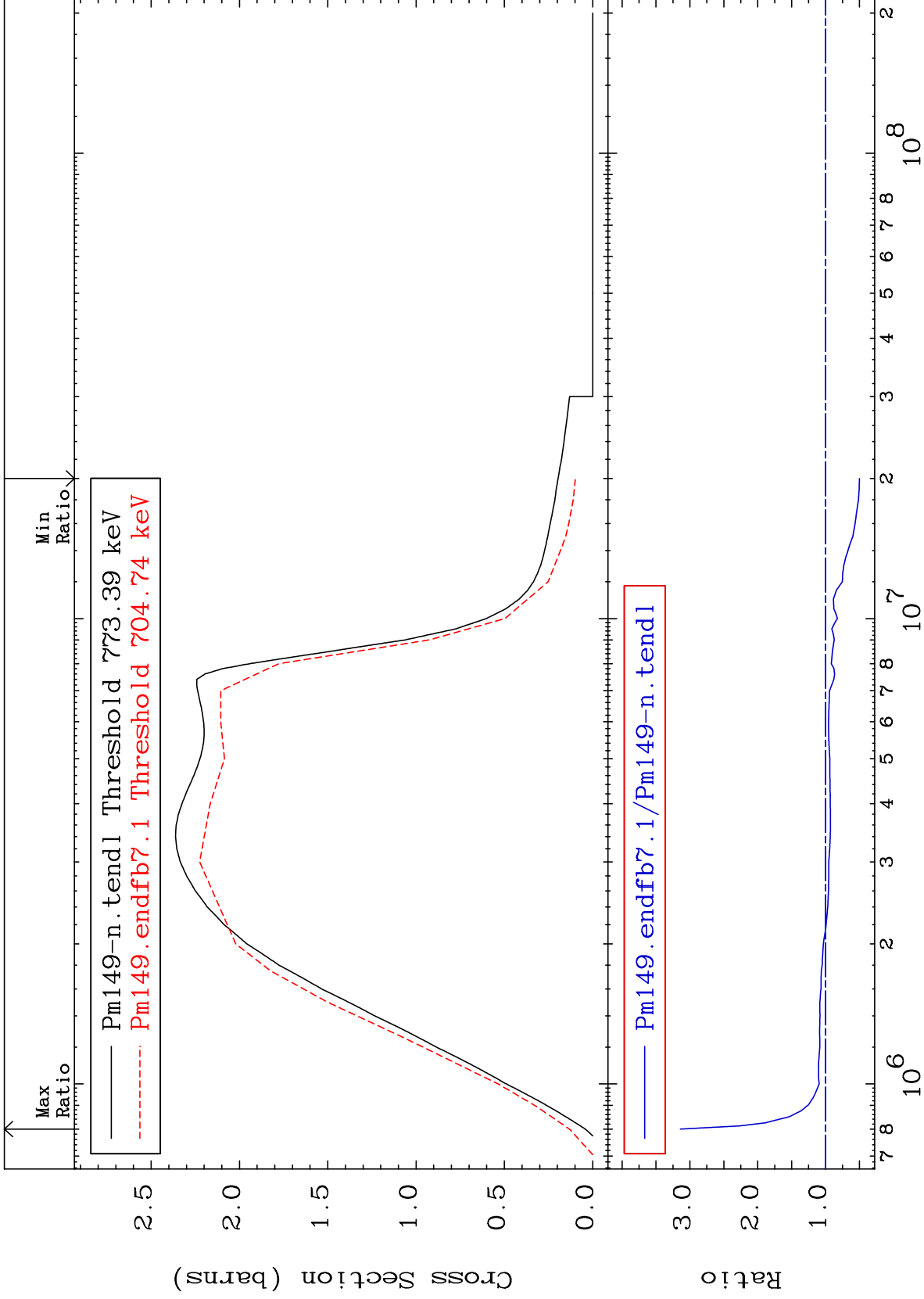
497.6 keV (n,n') Level
Cross Section

61-Pm-149
-100.0 To -17.97%



MAT 6155 510.1 keV (n,n') Level 61-Pm-149
 Cross Section -100.0 To 464.2 %

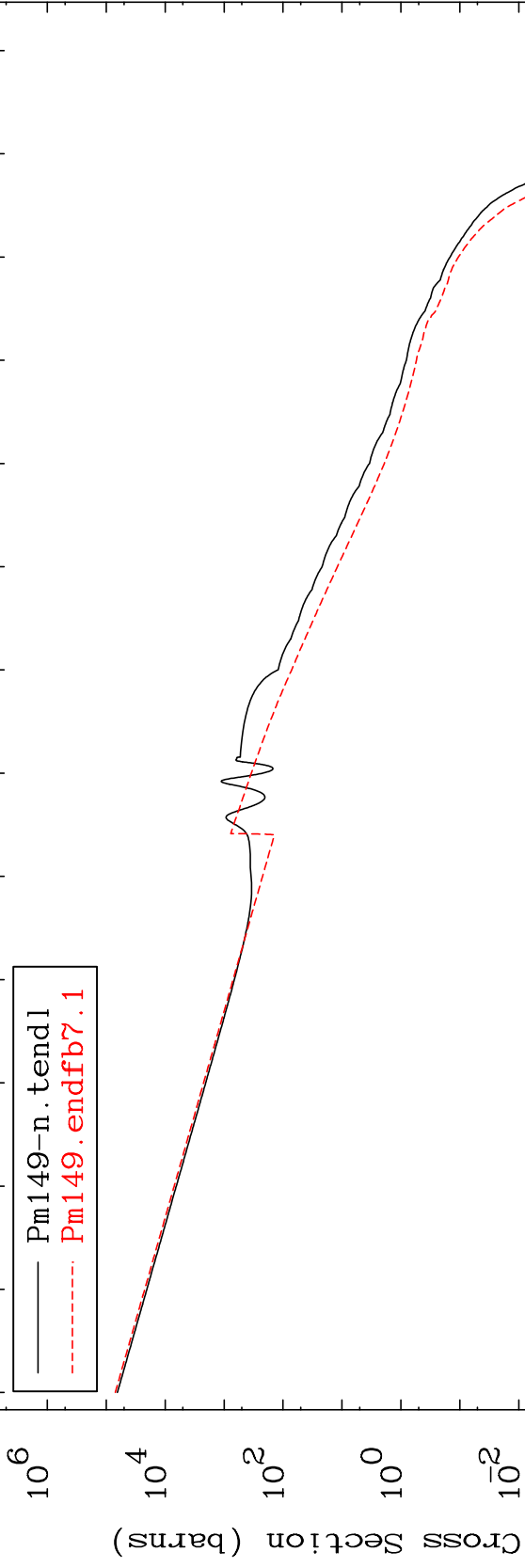




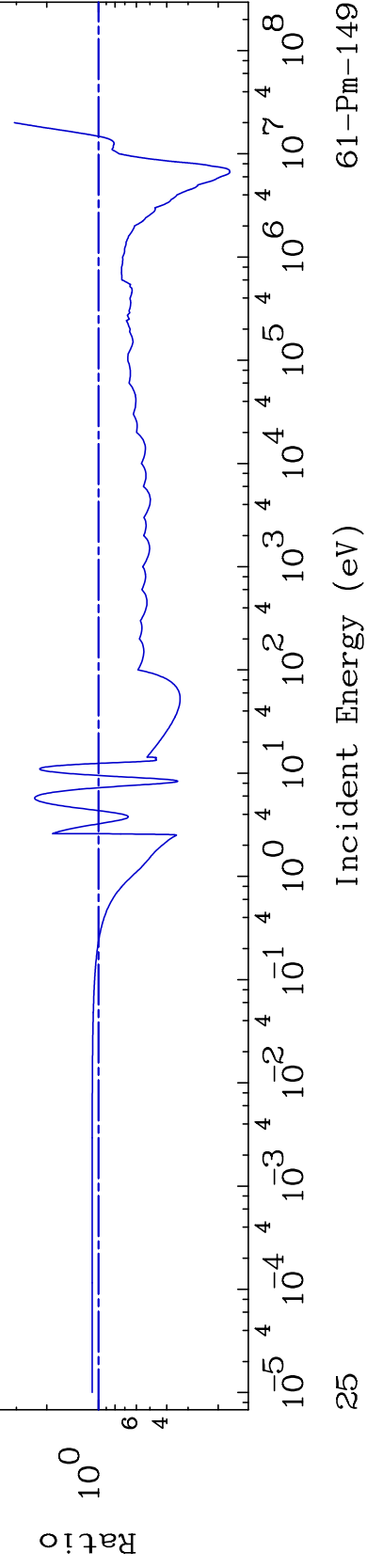
MAT 6155

(n, γ)
Cross Section

61-Pm-149
-82.90 To 208.3 %

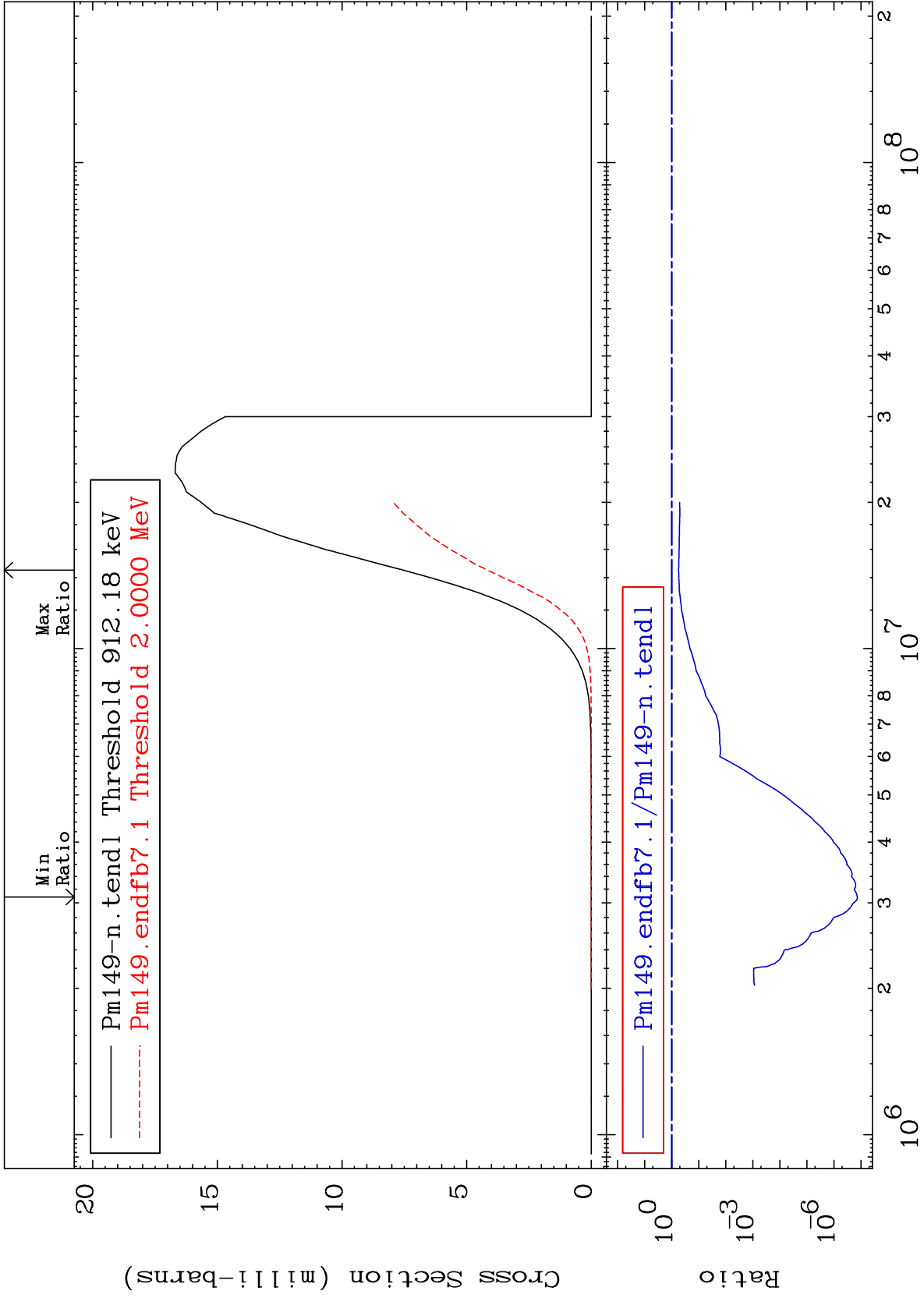


Pm149.endfb7.1/Pm149-n.tendl



MAT 6155

(n,p)
Cross Section
61-Pm-149
-100.0 To -44.69%



26

Incident Energy (eV)

61-Pm-149

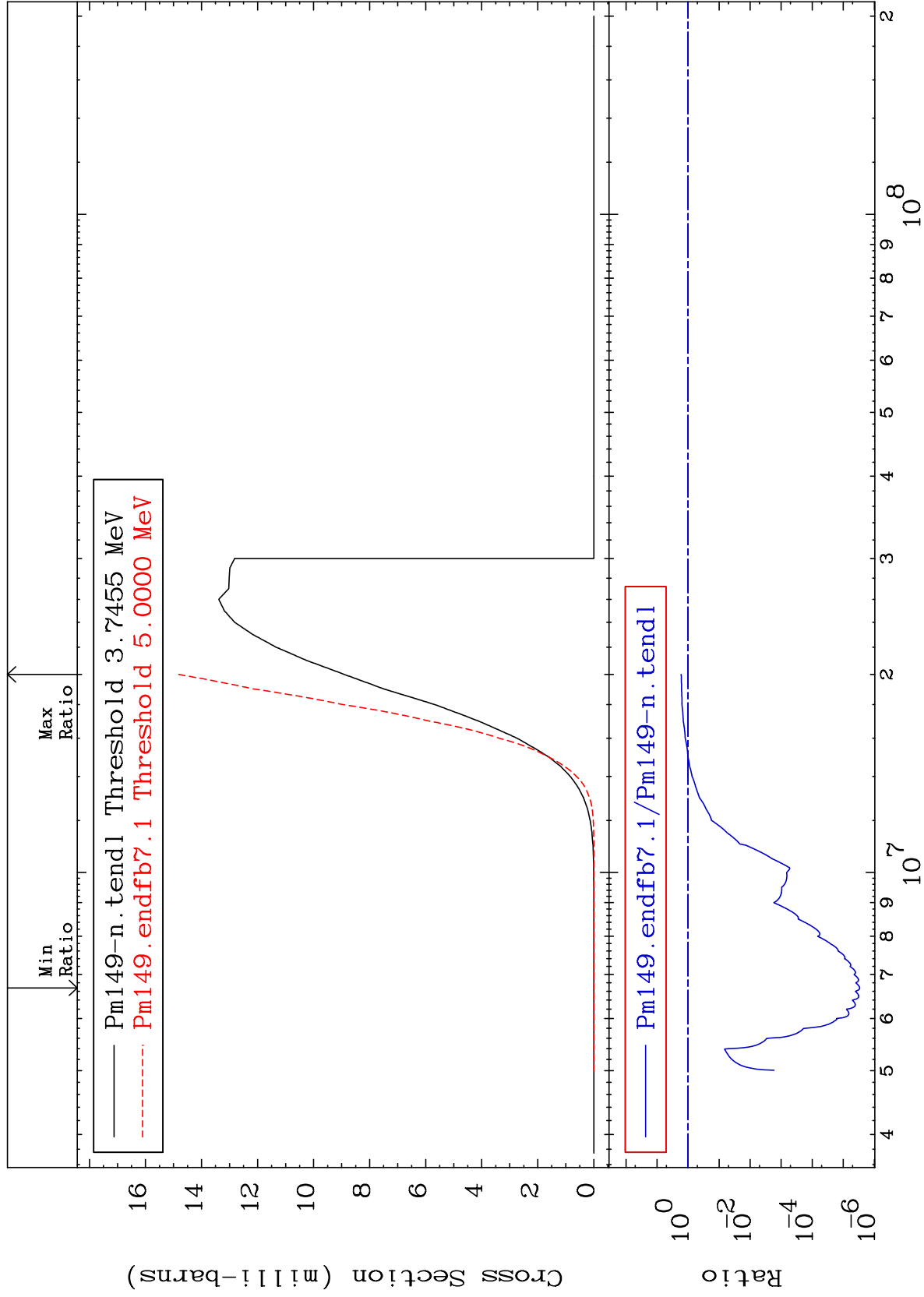
MAT 6155

(n, d)

61-Pm-149

Cross Section

-100.0 To 66.51 %



27

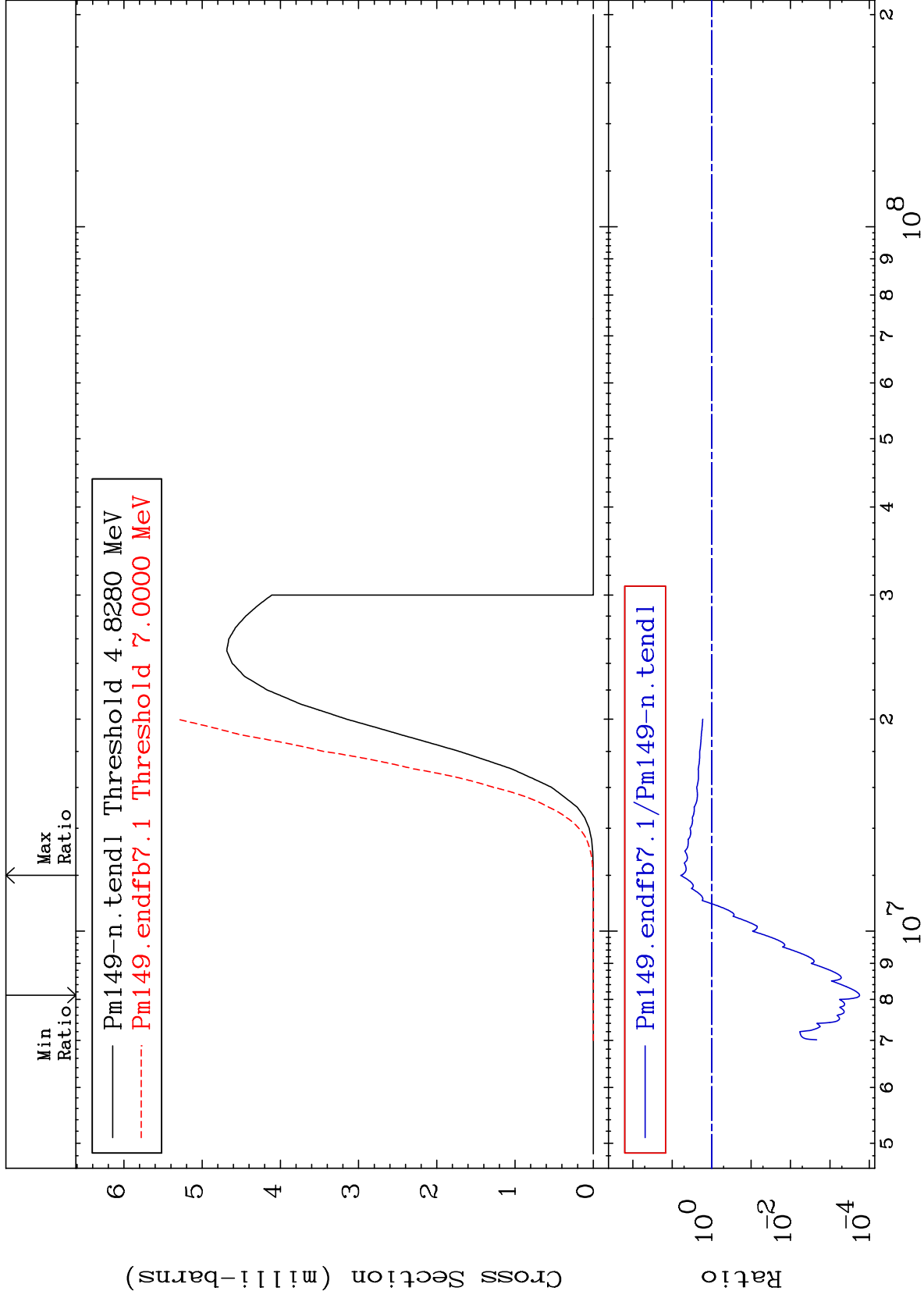
61-Pm-149

61-Pm-149

MAT 6155

(n, t)
Cross Section

61-Pm-149
-99.98 To 509.1 %



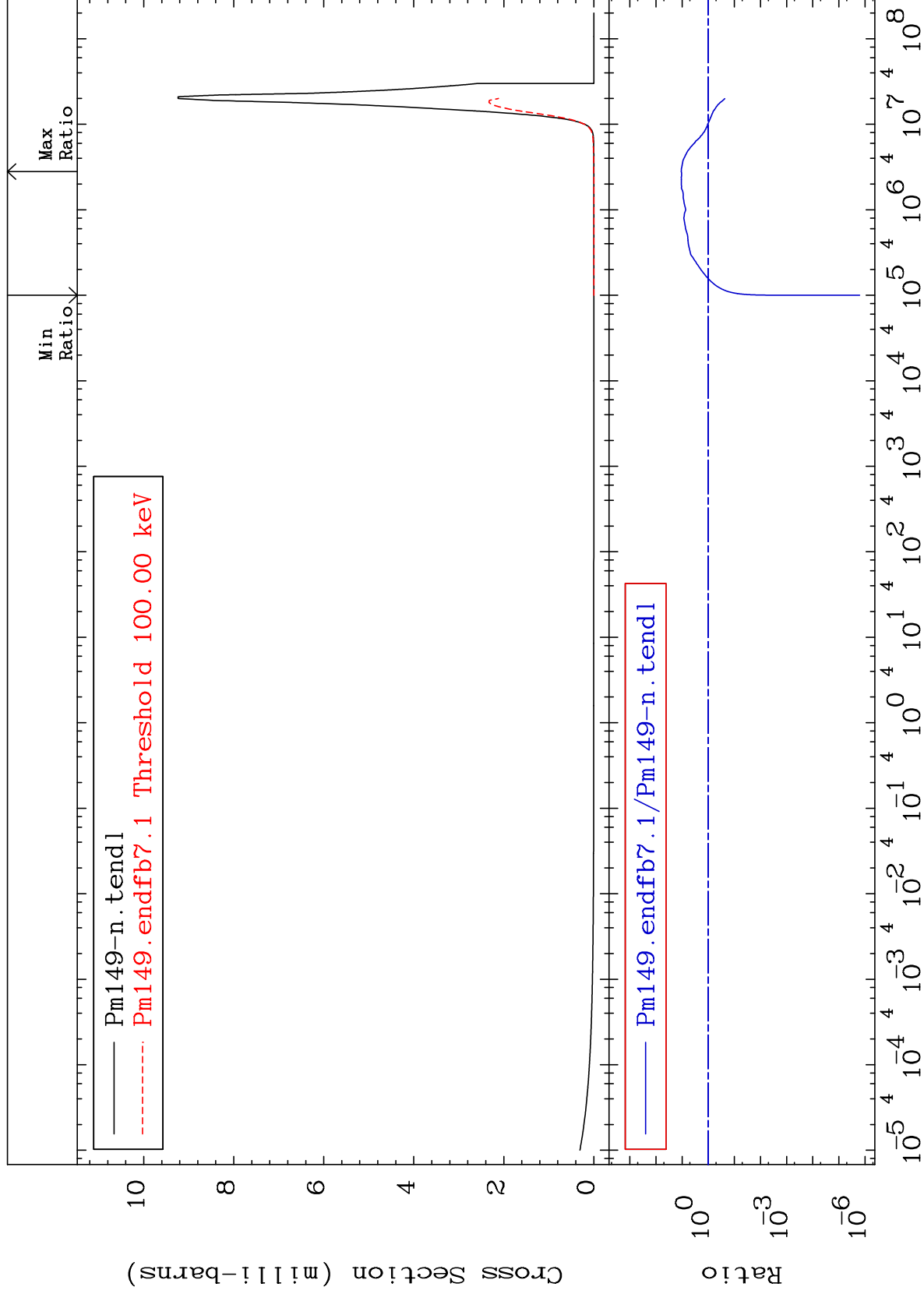
MAT 6155

(n, α)

61-Pm-149

Cross Section

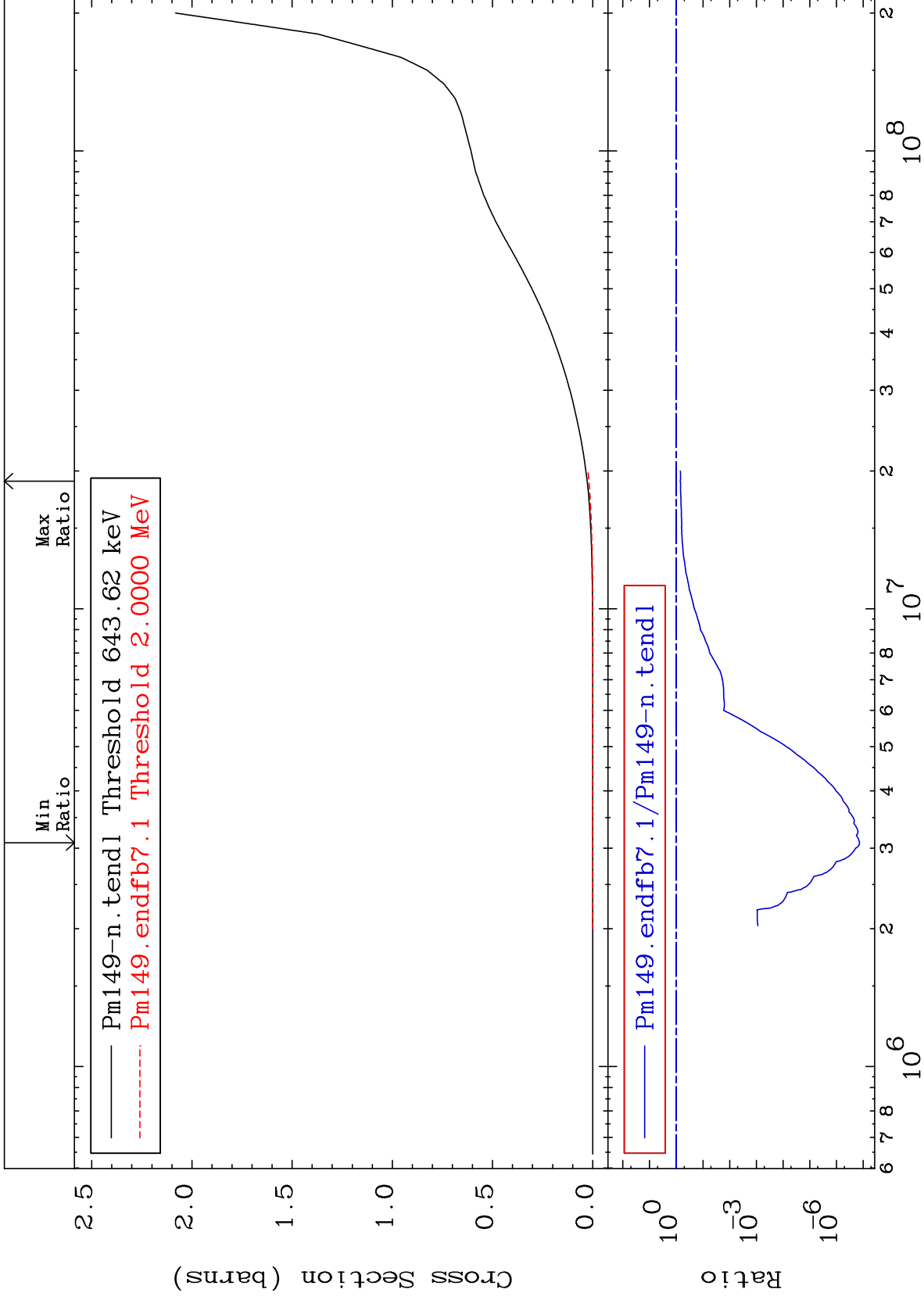
-100.0 To 983.0 %



MAT 6155

Hydrogen Production
Cross Section

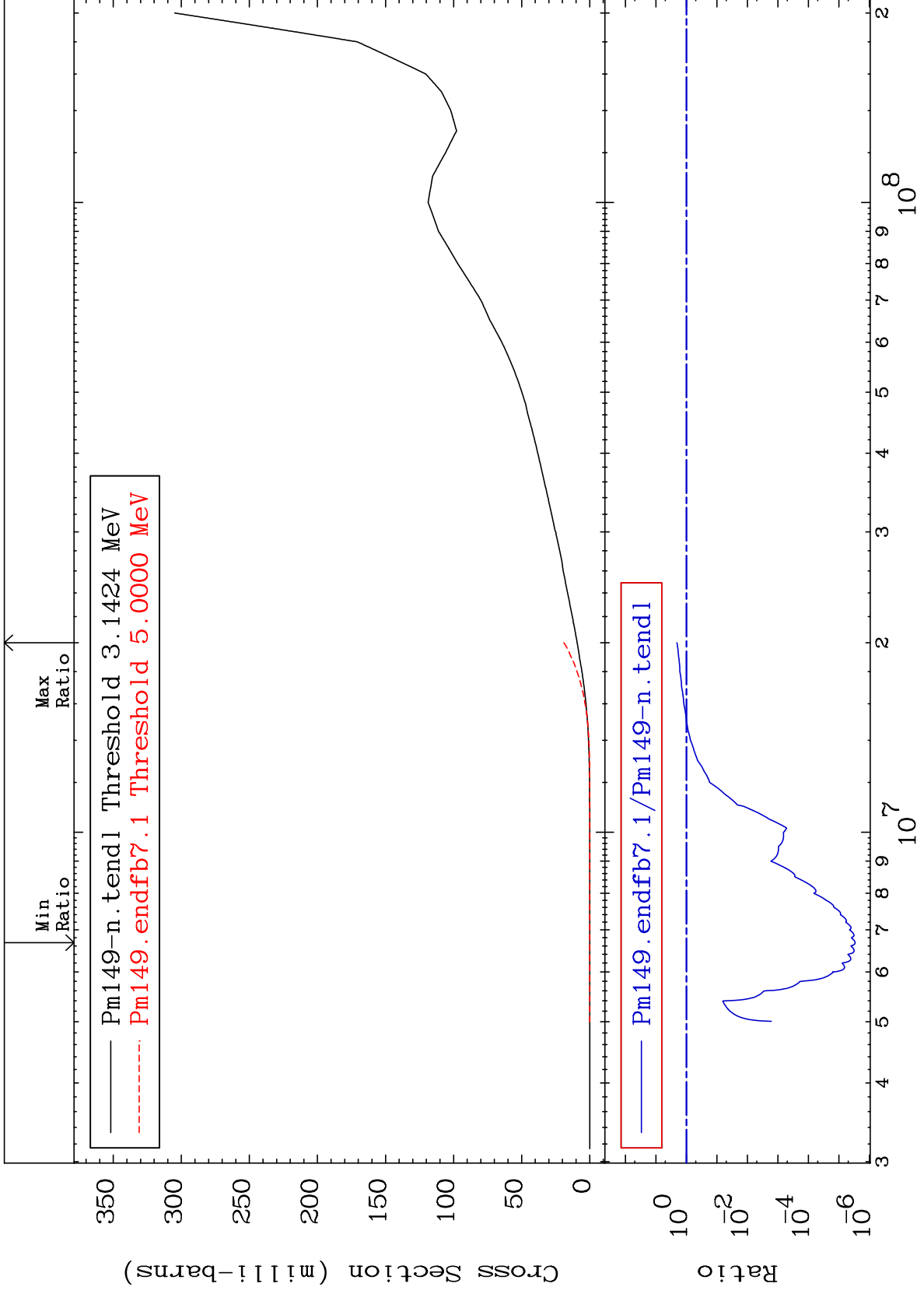
61-Pm-149
-100.0 To -29.90%

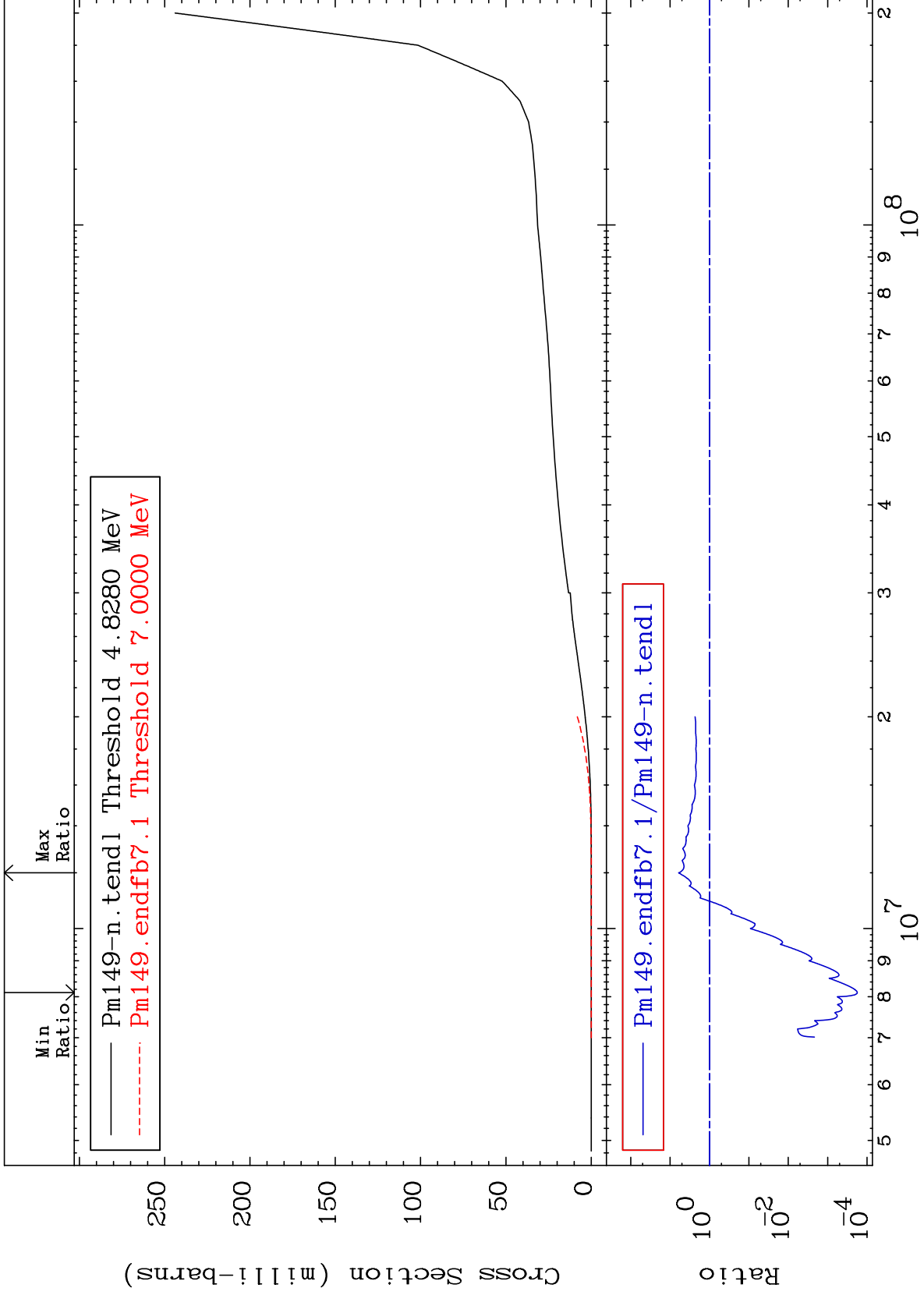


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Incident Energy (eV)

61-Pm-149

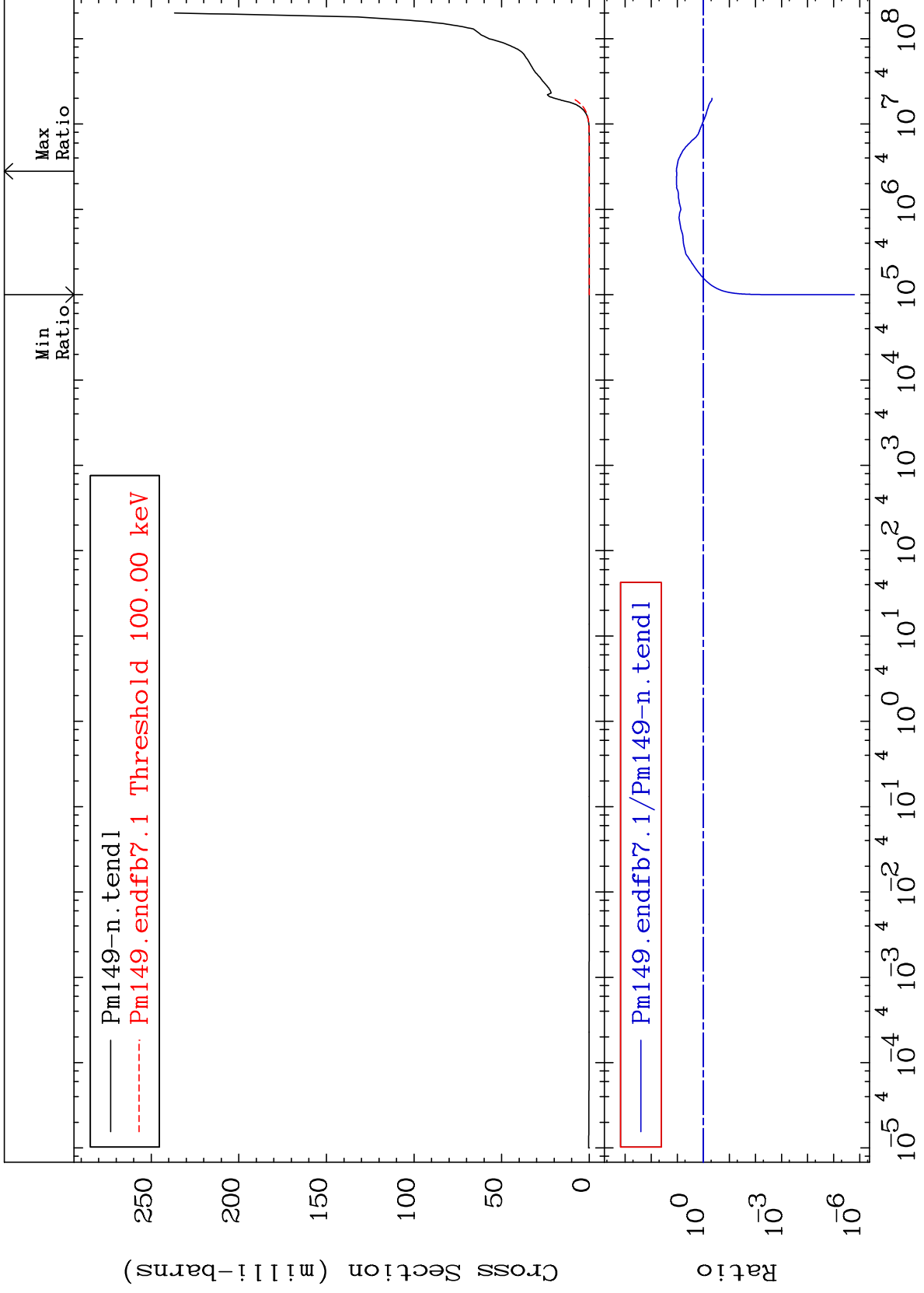


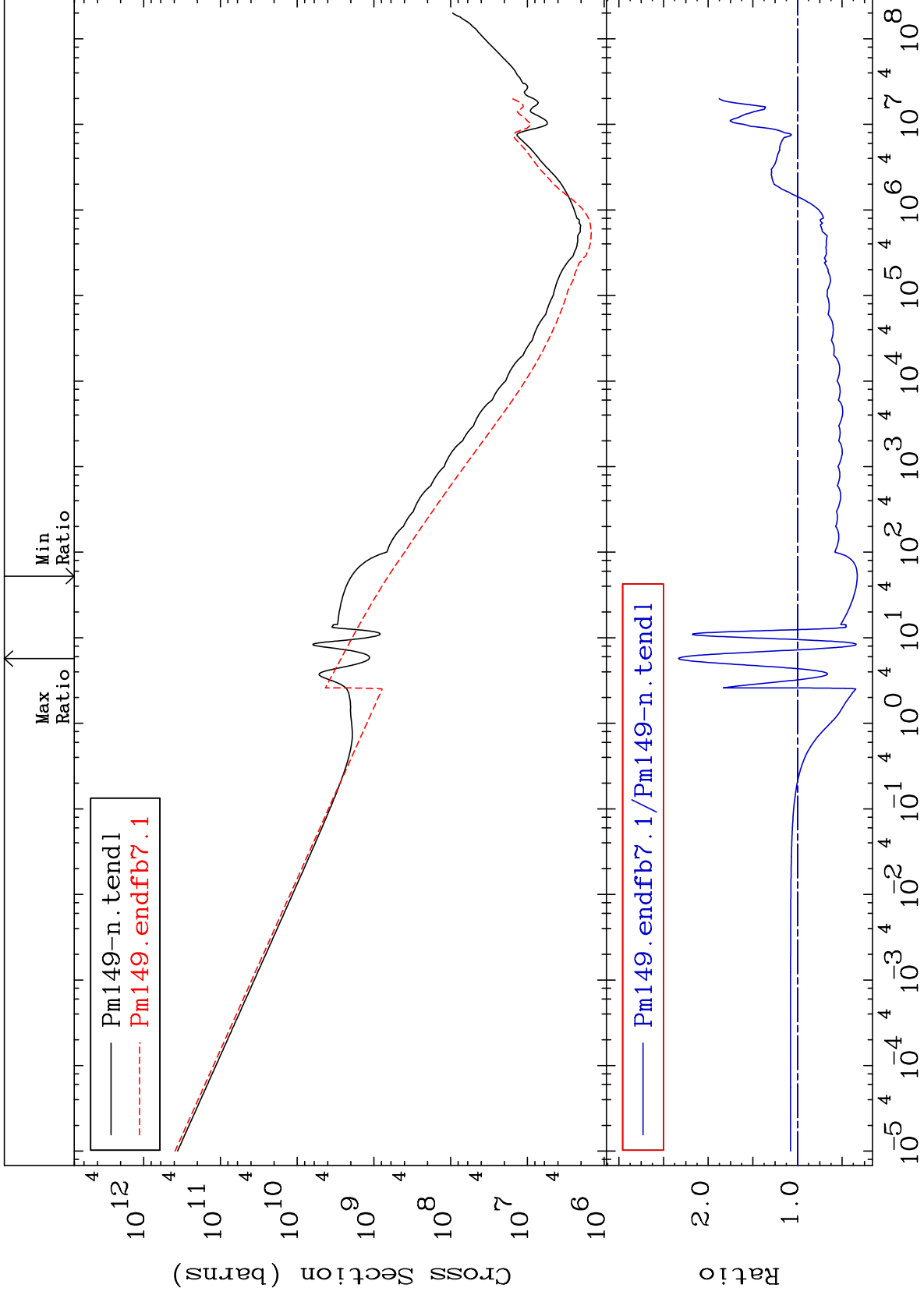


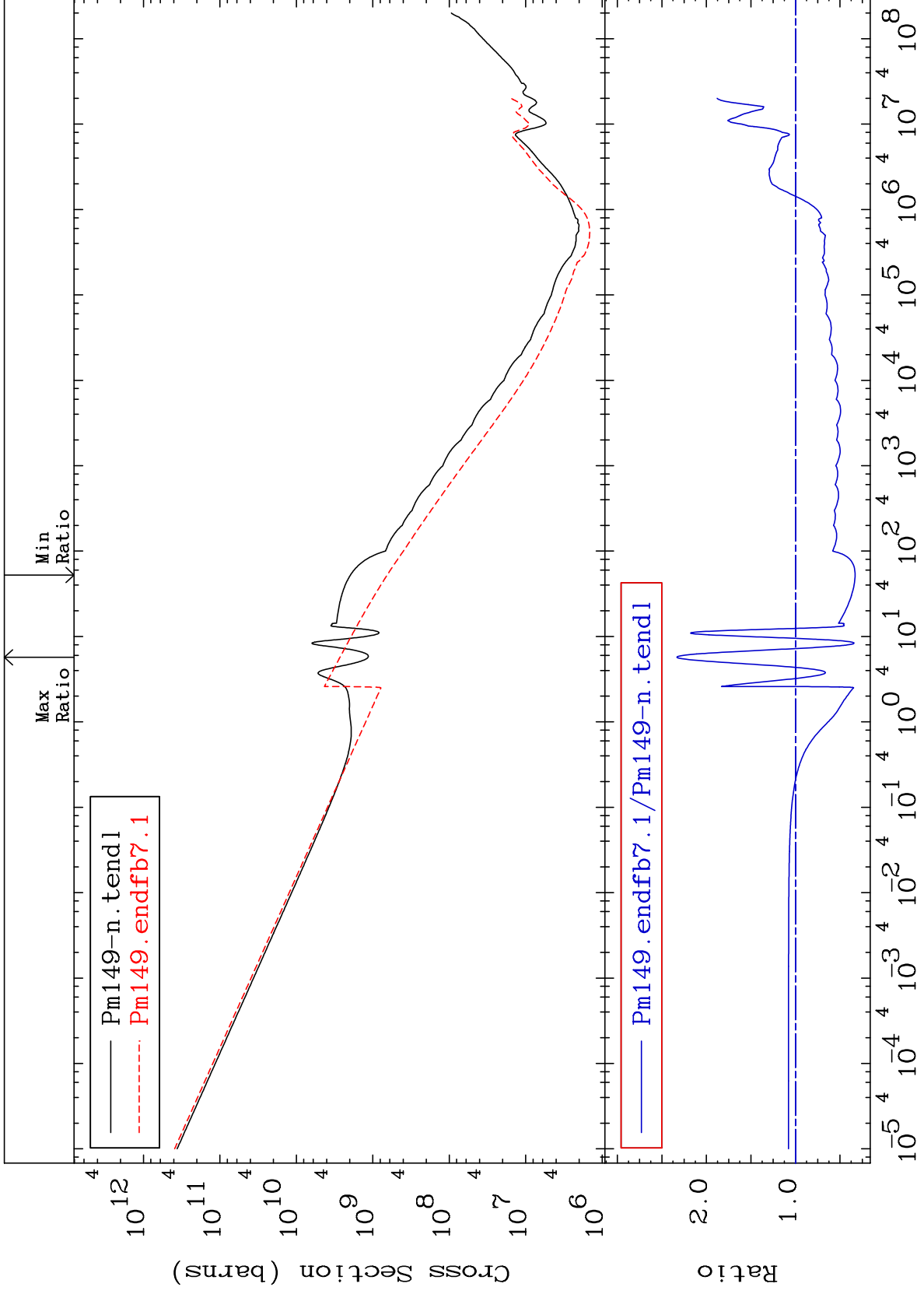
MAT 6155

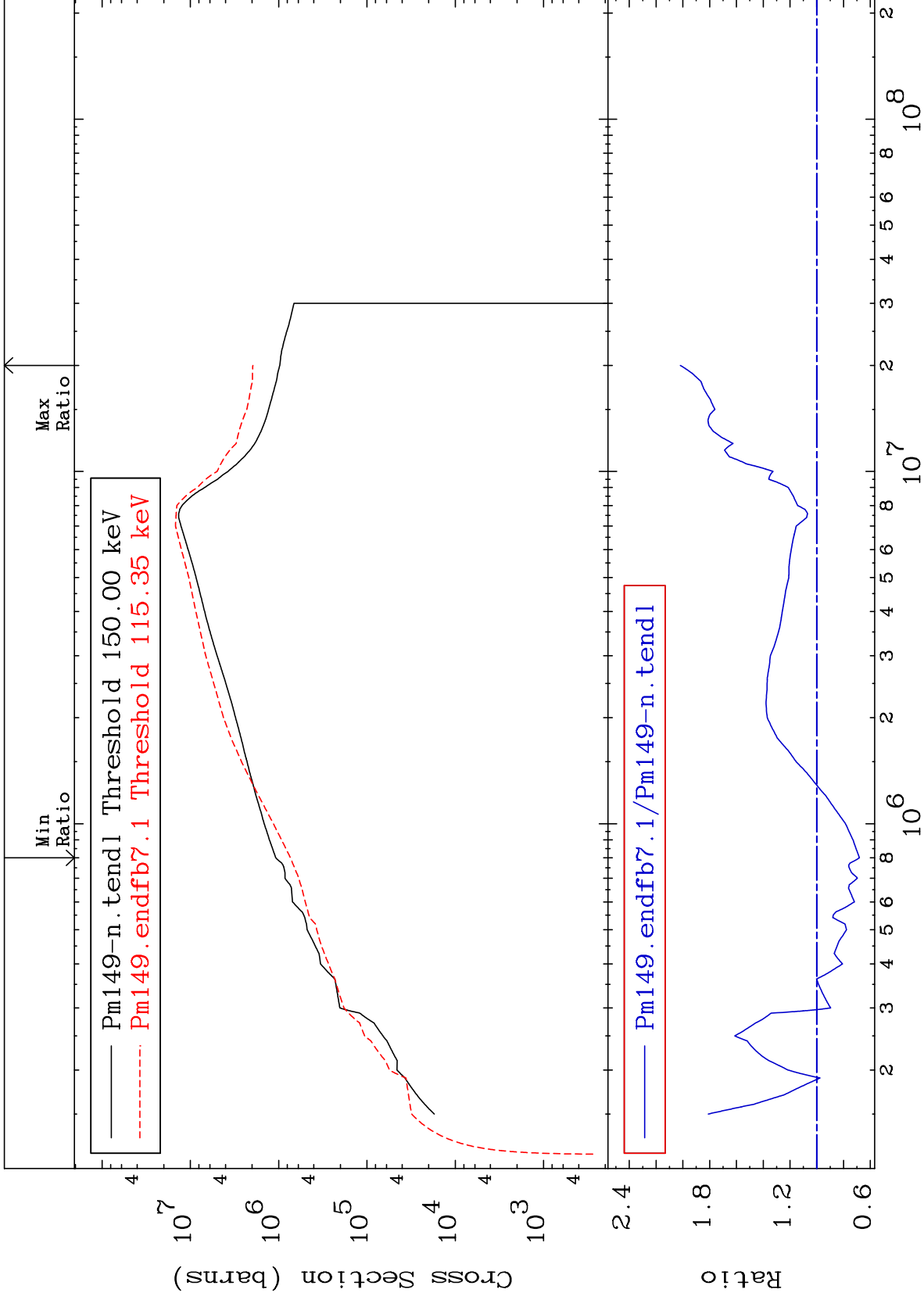
He-4 Production
Cross Section

61-Pm-149
-100.0 To 983.0 %





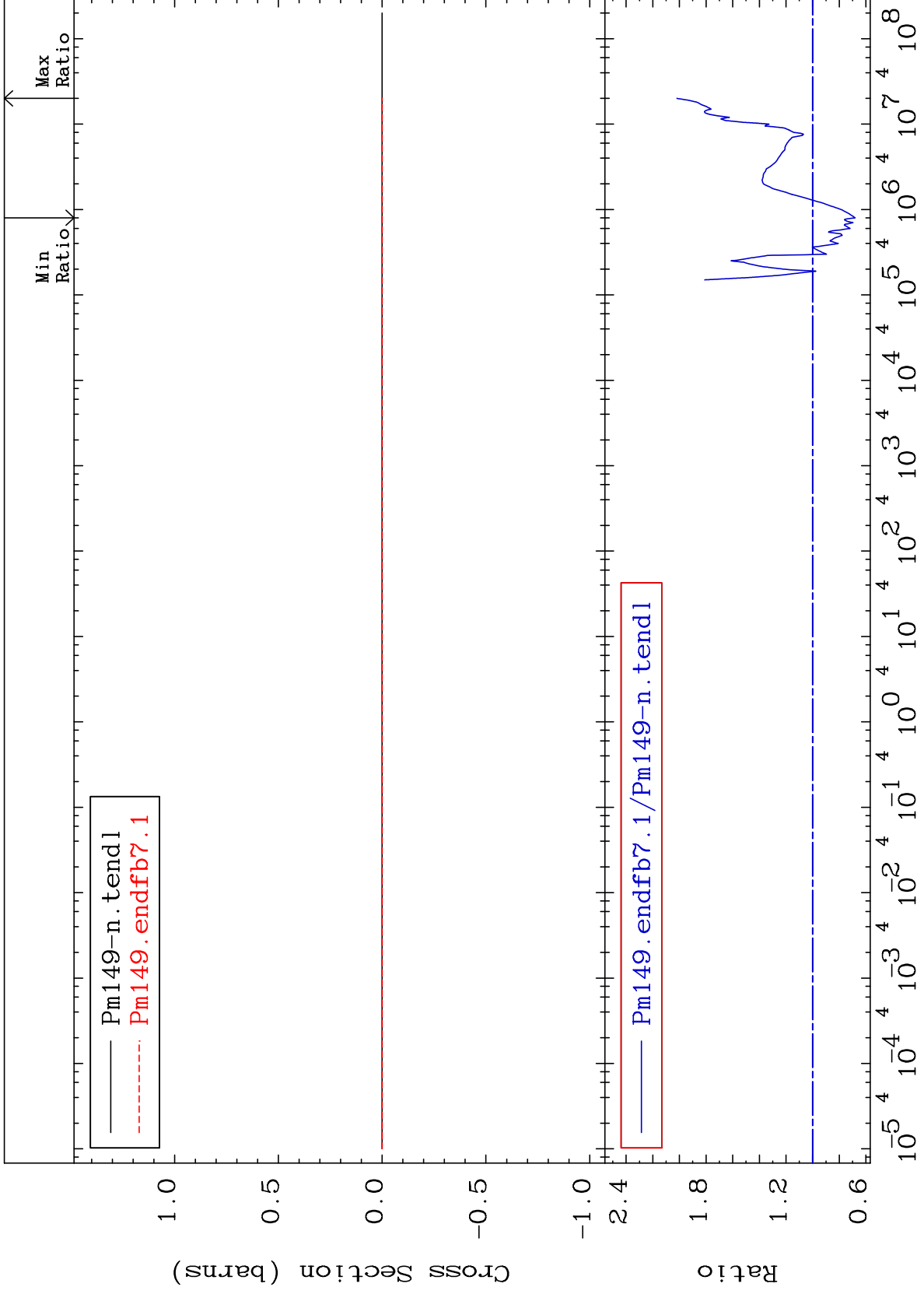




MAT 6155

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

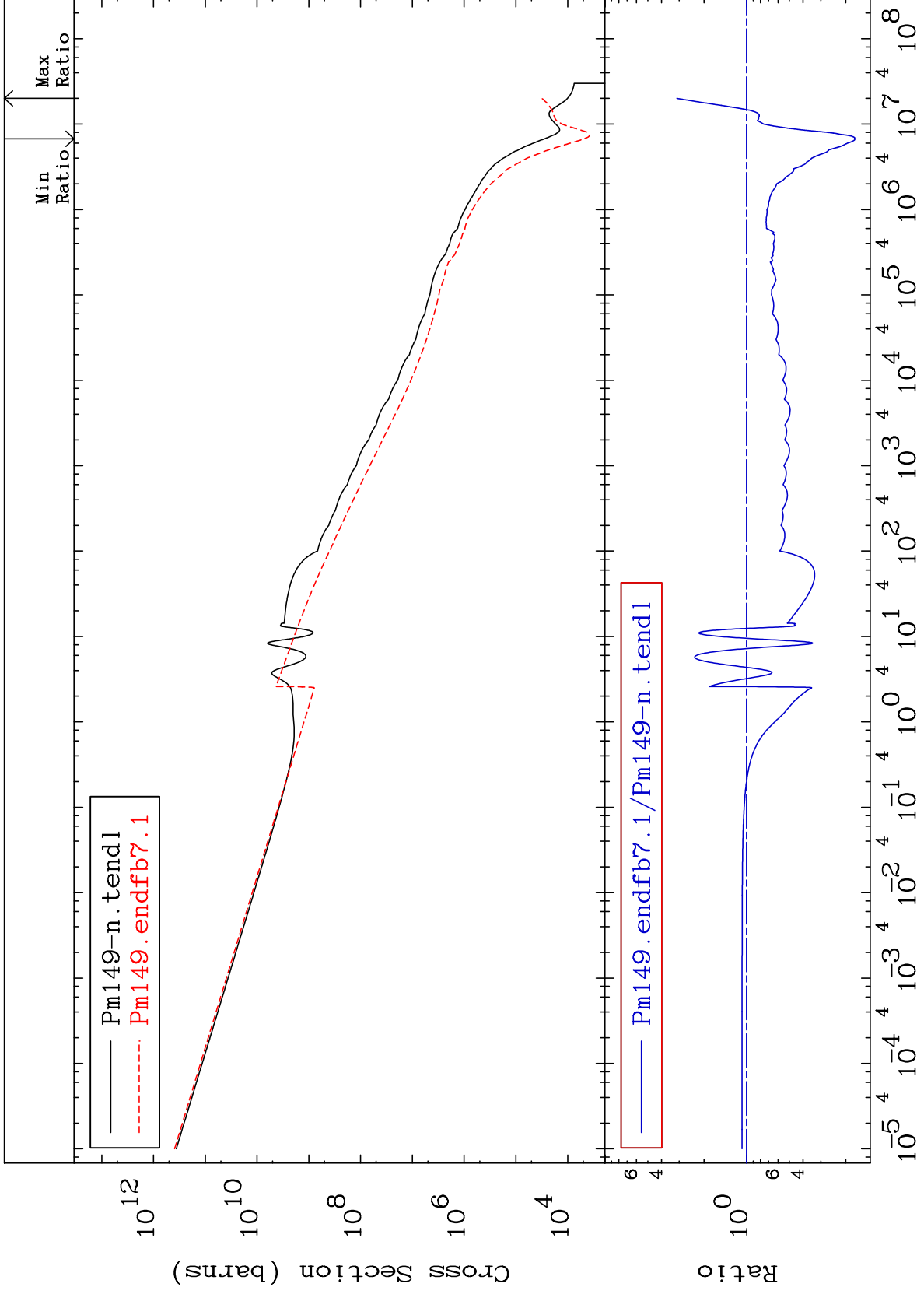
61-Pm-149
-31.85 To 101.9 %



MAT 6155

Kerma capture (mt102)
Cross Section

61-Pm-149
-82.83 To 211.1 %



39

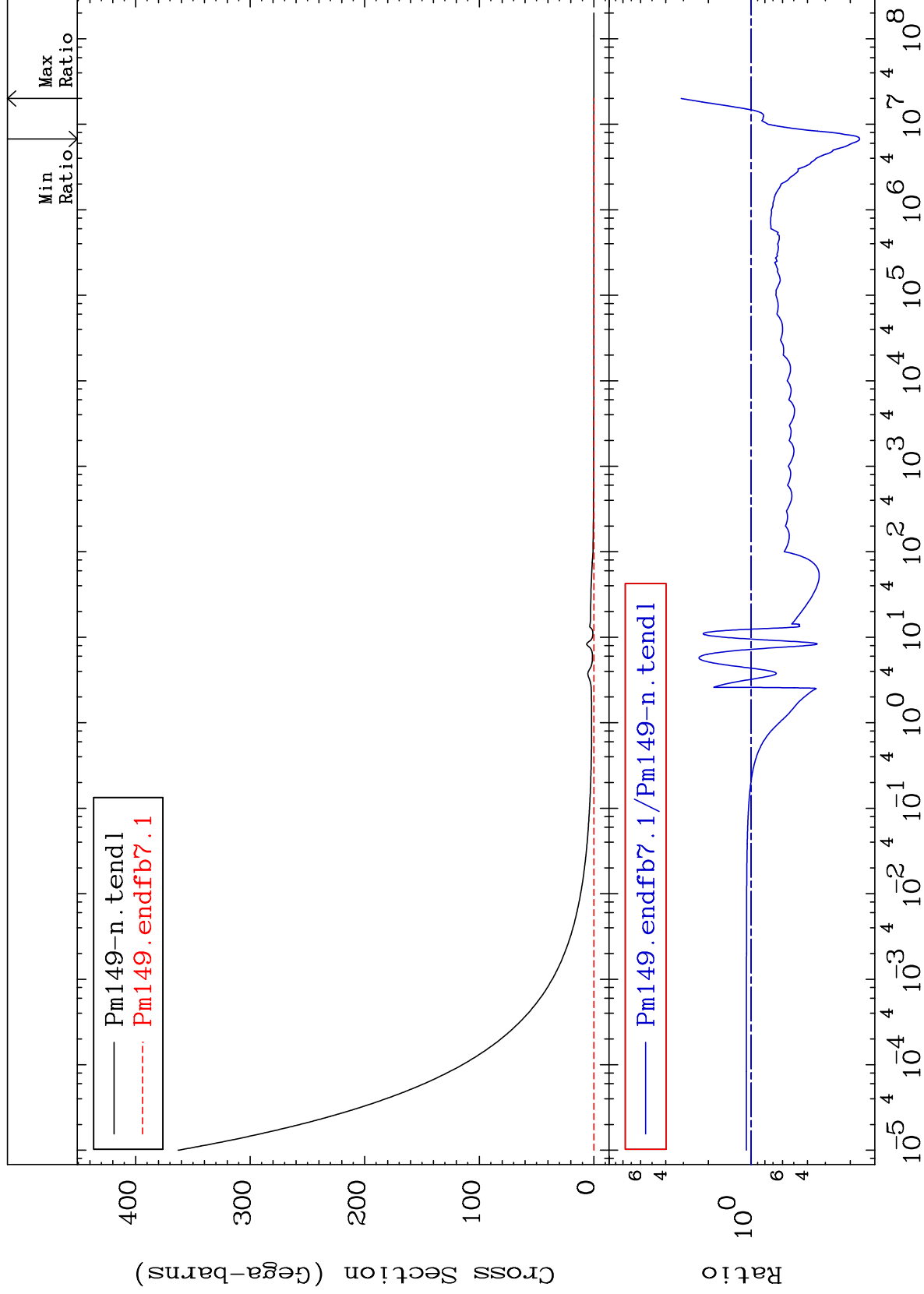
Incident Energy (eV)

61-Pm-149

MAT 6155

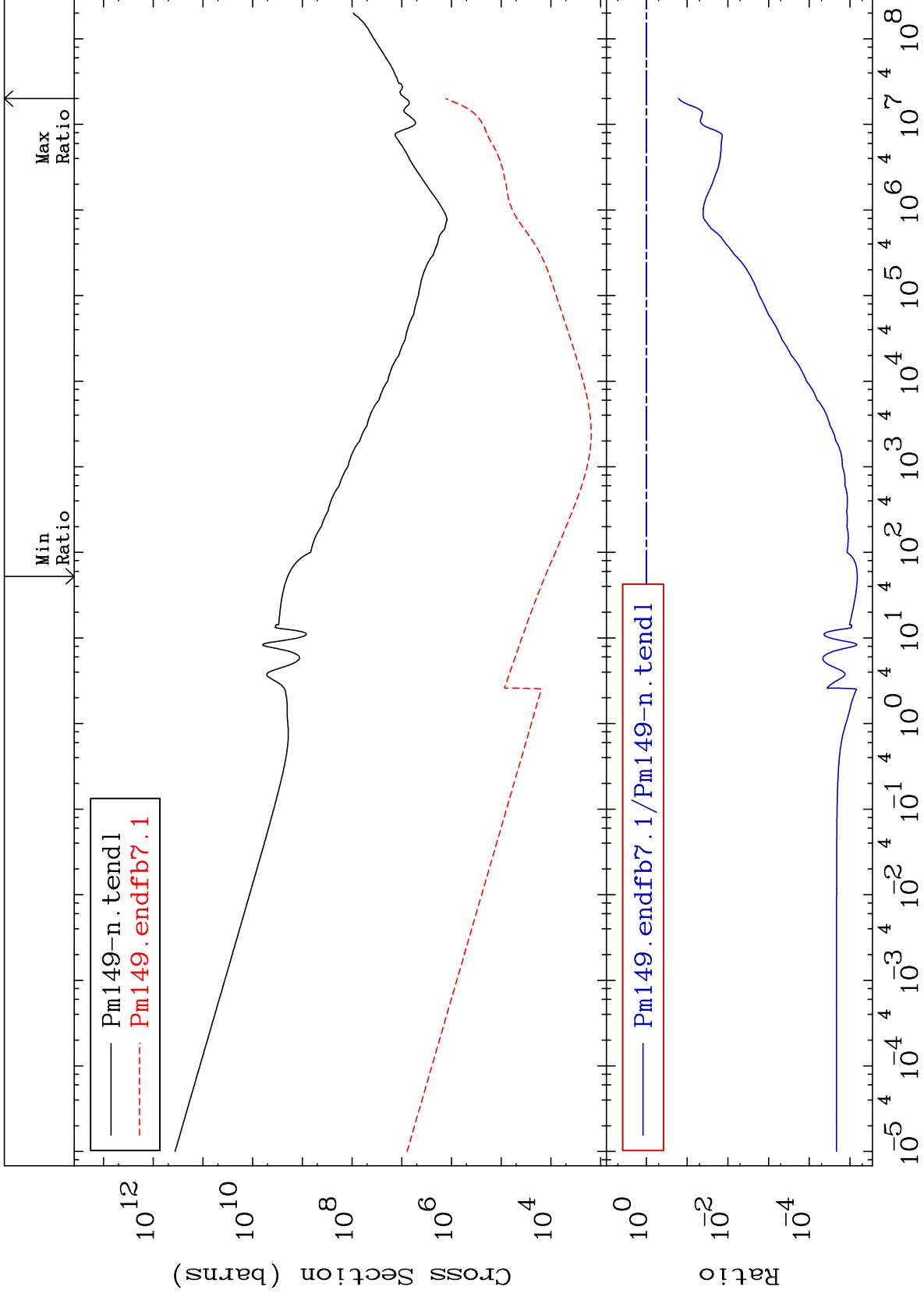
Total photon (eV-barns)
Cross Section

61-Pm-149
-82.83 To 211.1 %



Incident Energy (eV)

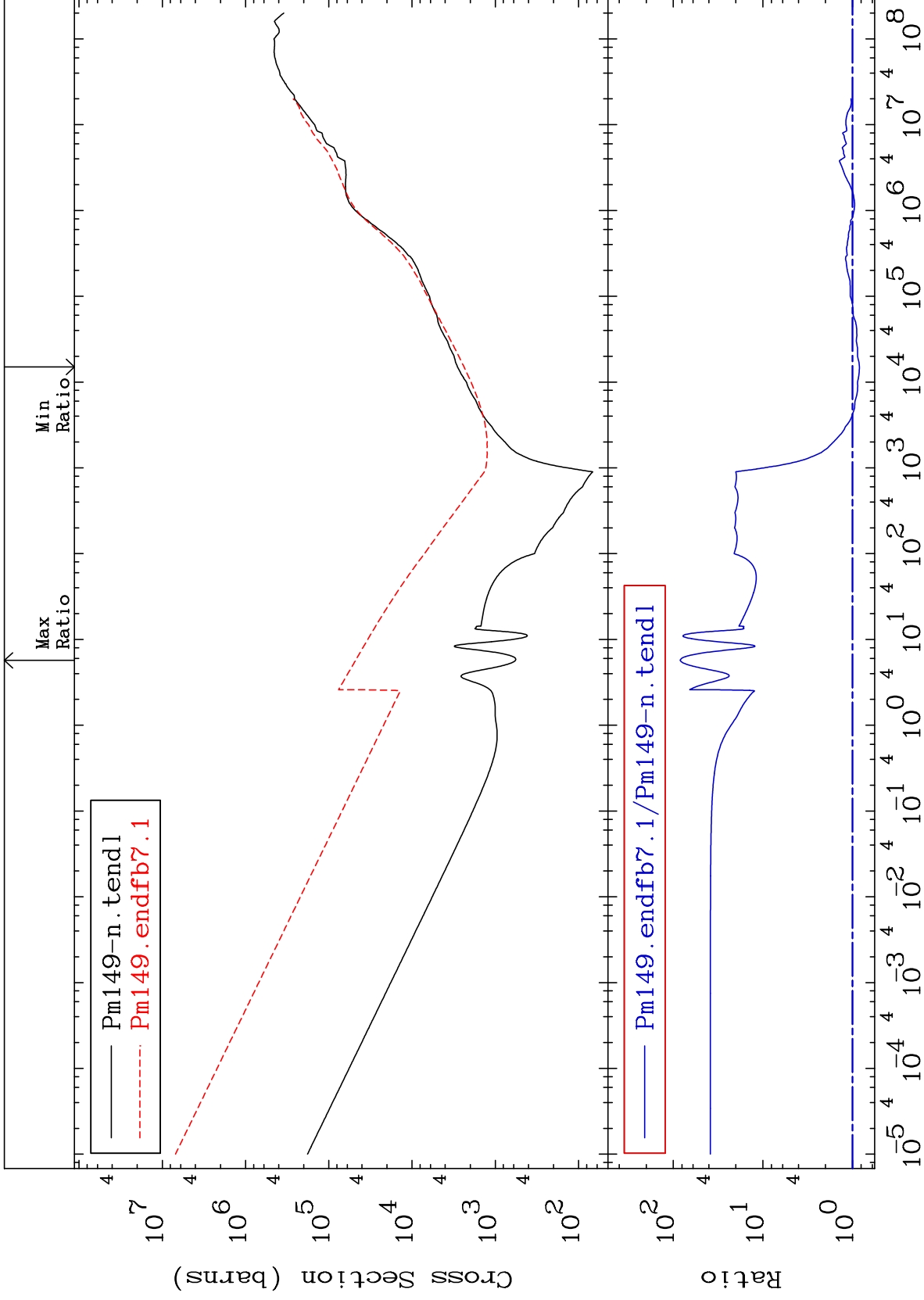
61-Pm-149



MAT 6155

Dpa total (eV-barns)
Cross Section

61-Pm-149
-16.44 To 8226. %



42

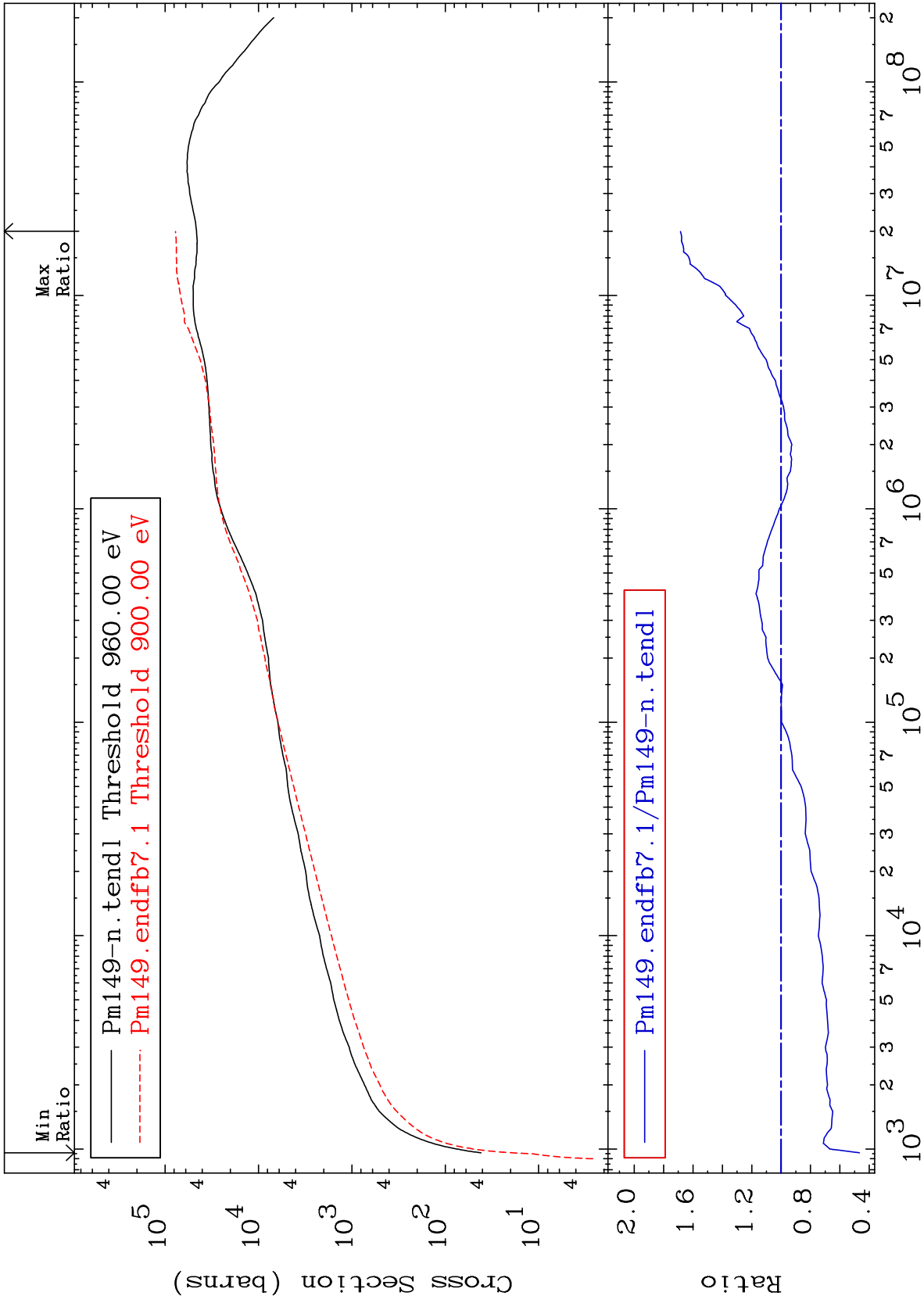
Incident Energy (eV)

61-Pm-149

MAT 6155

Dpa elastic (mt2)
Cross Section

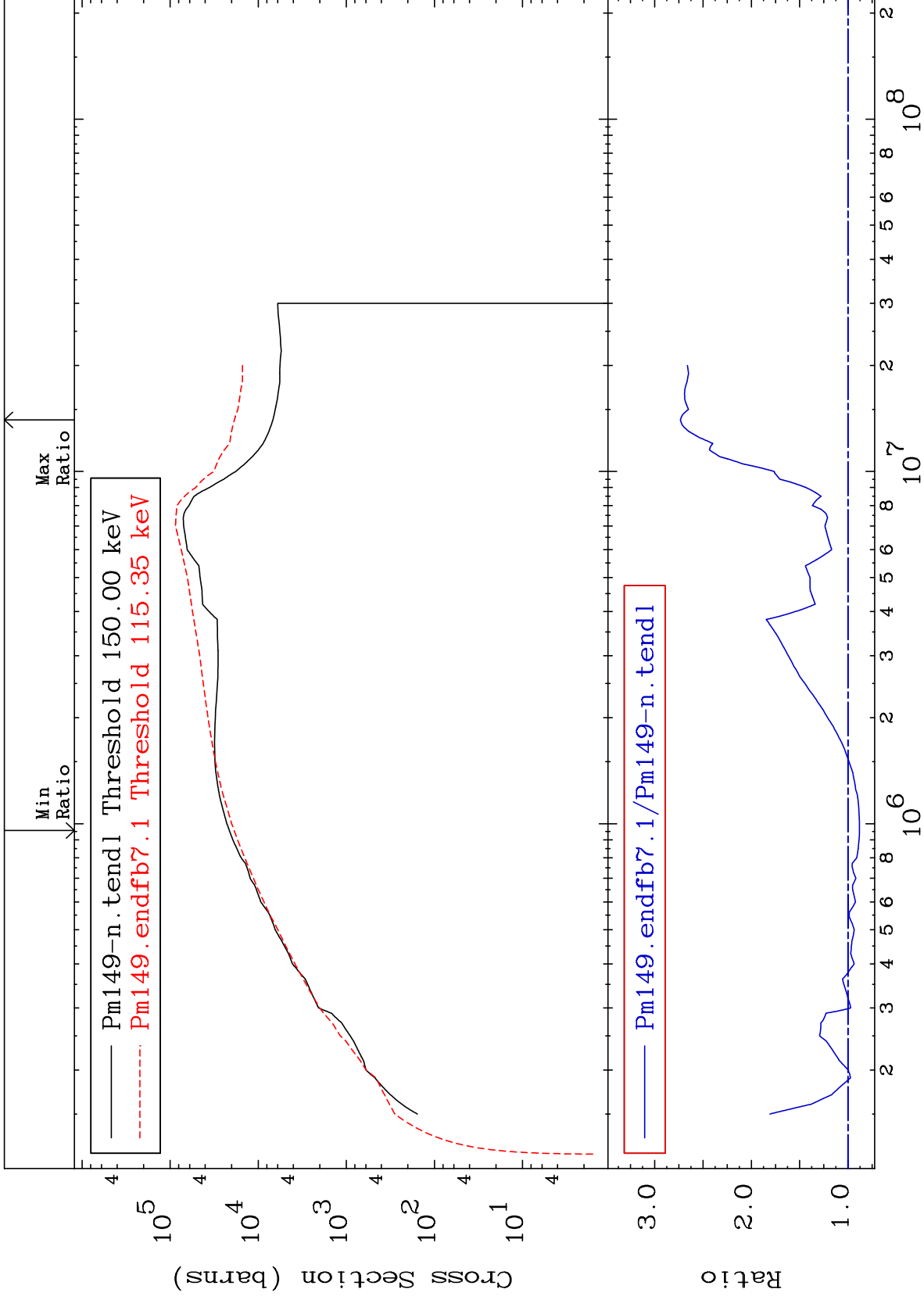
61-Pm-149
-53.29 To 68.58 %



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Incident Energy (eV)

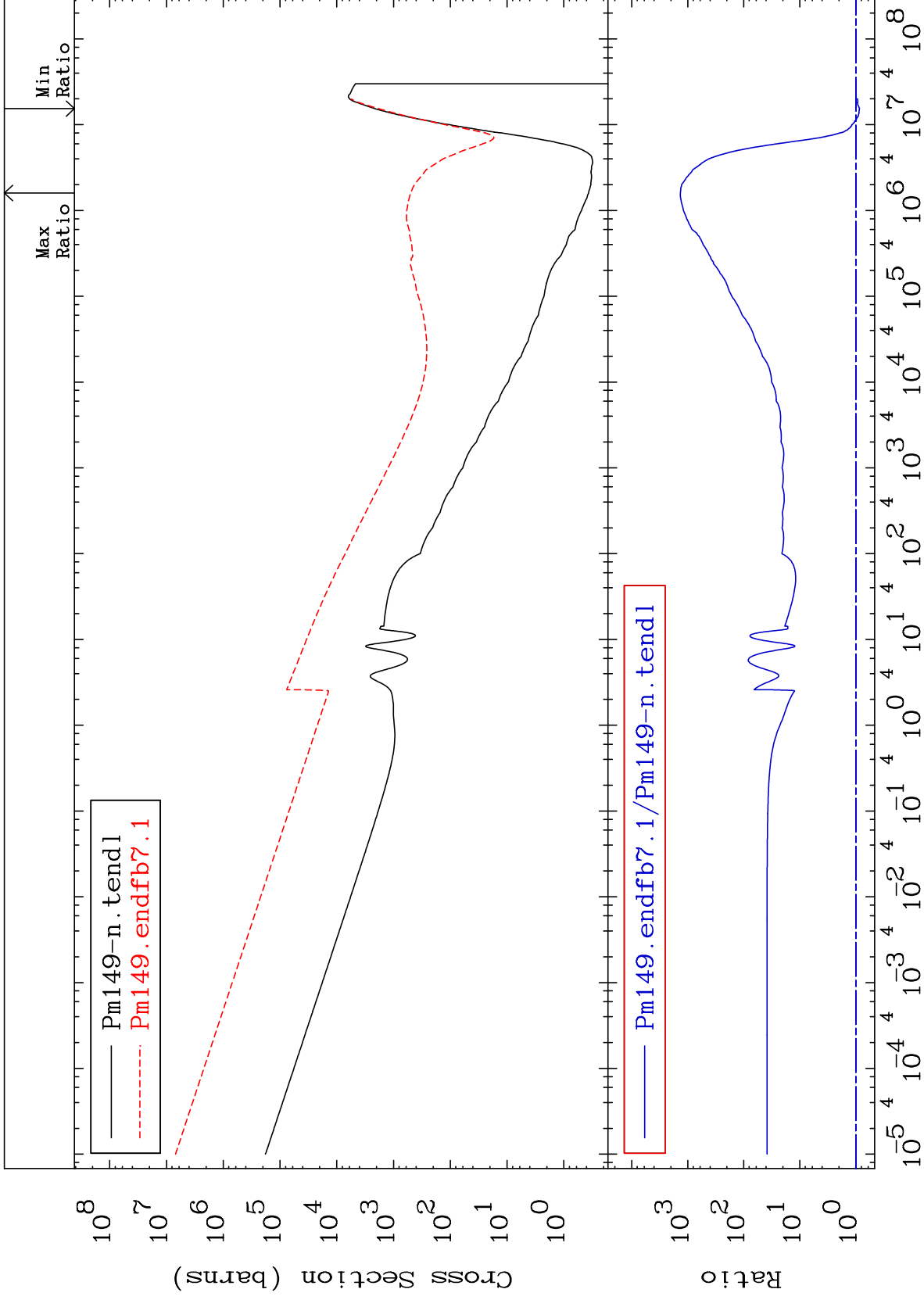
61-Pm-149



MAT 6155

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-149
-13.76 To 9999. %



45

Incident Energy (eV)

61-Pm-149