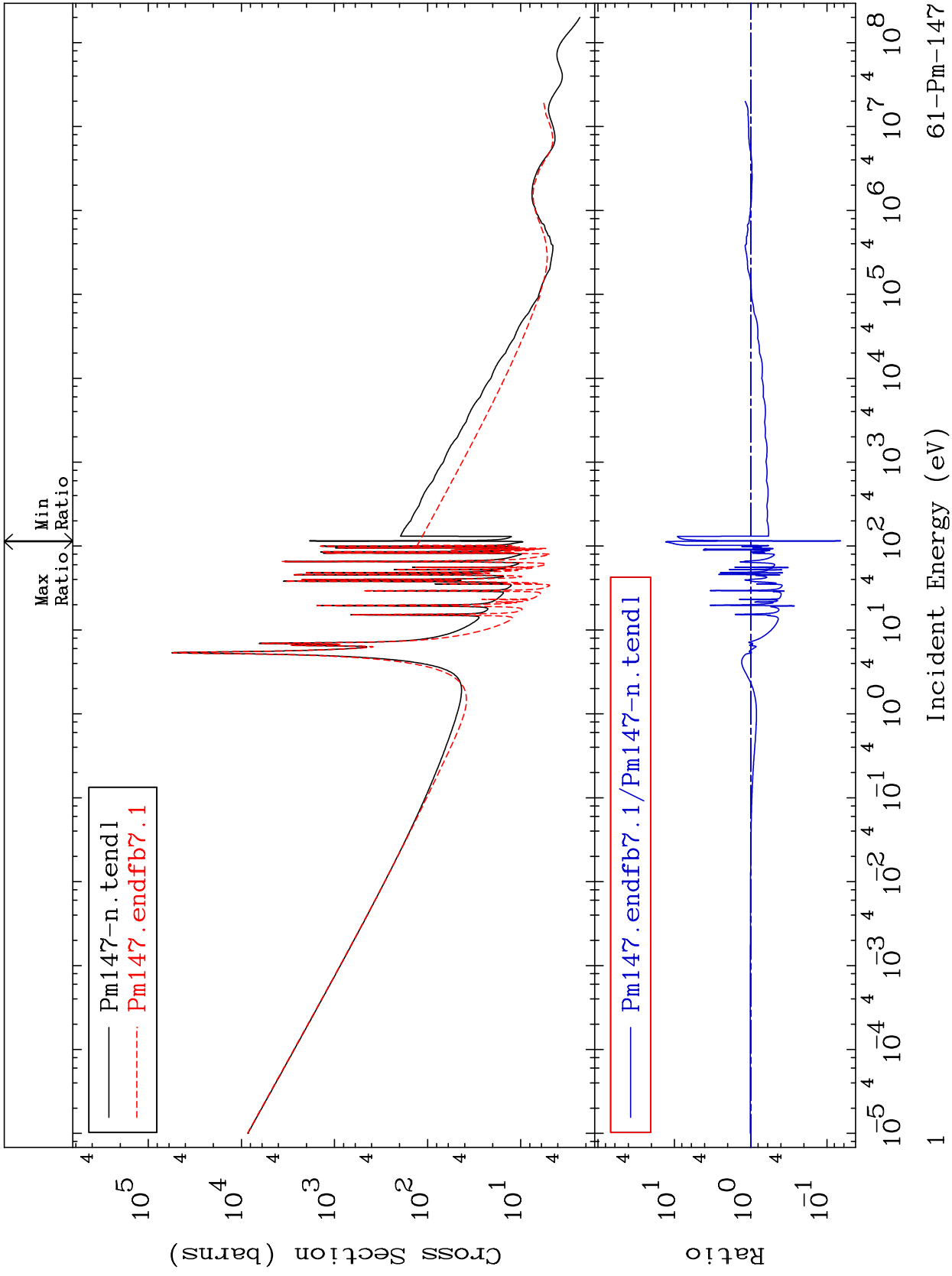


MAT 6149

Total Cross Section
61-Pm-147
-93.39 To 1206. %



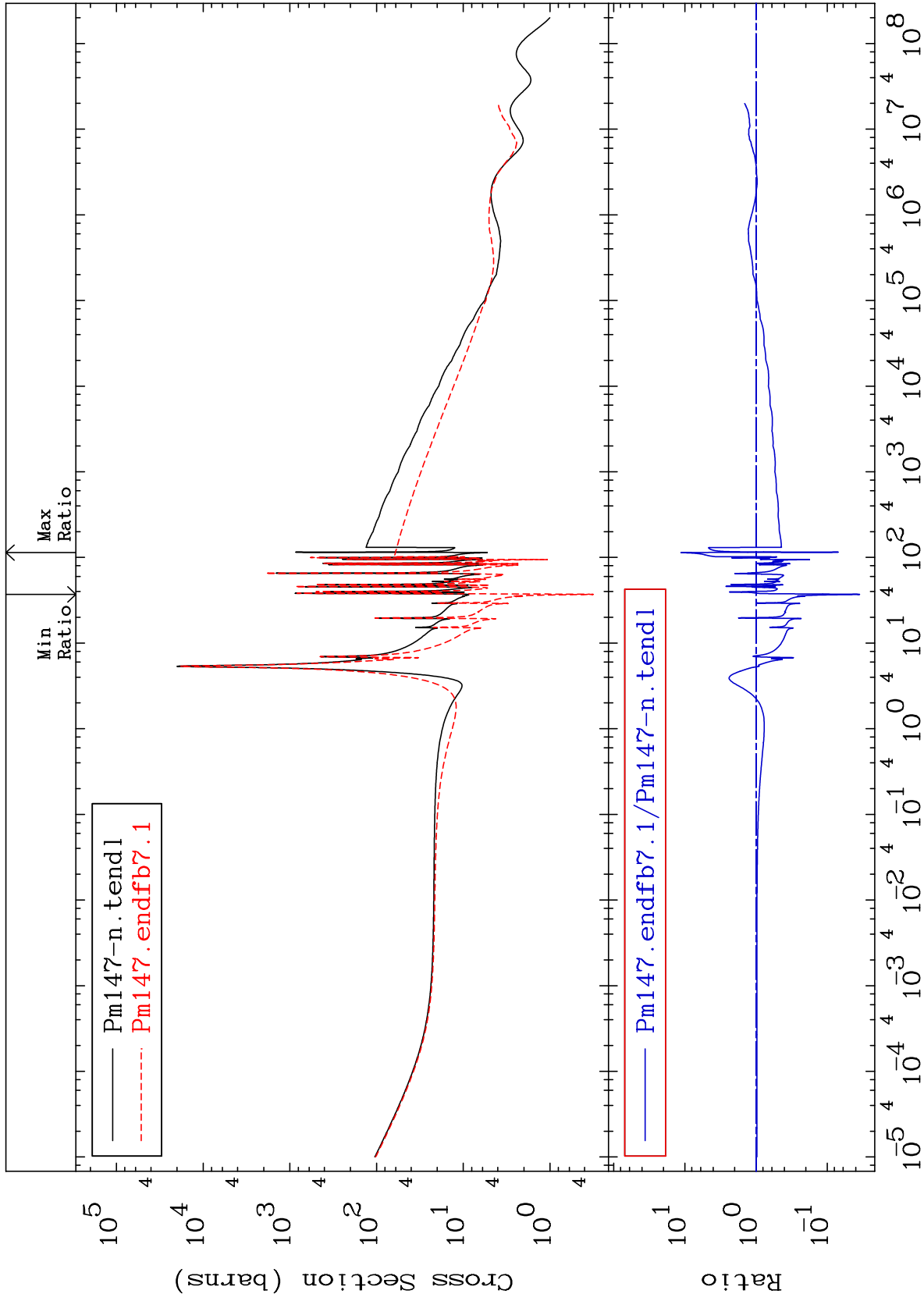
MAT 6149

Elastic

61-Pm-147

Cross Section

-96.47 To 1044. %



2

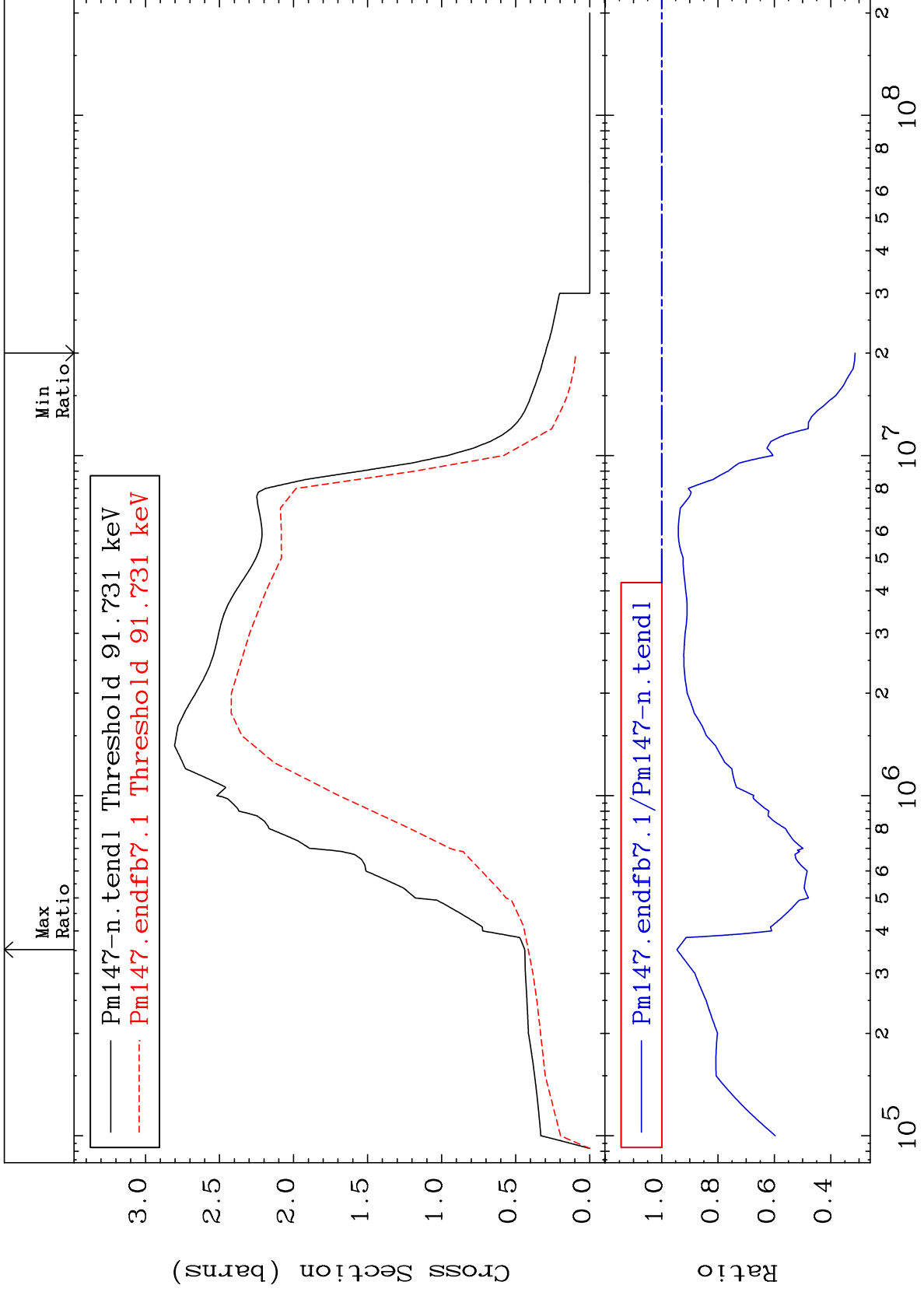
Incident Energy (eV)

61-Pm-147

MAT 6149

Inelastic
Cross Section

61-Pm-147
-68.64 To -5.422%



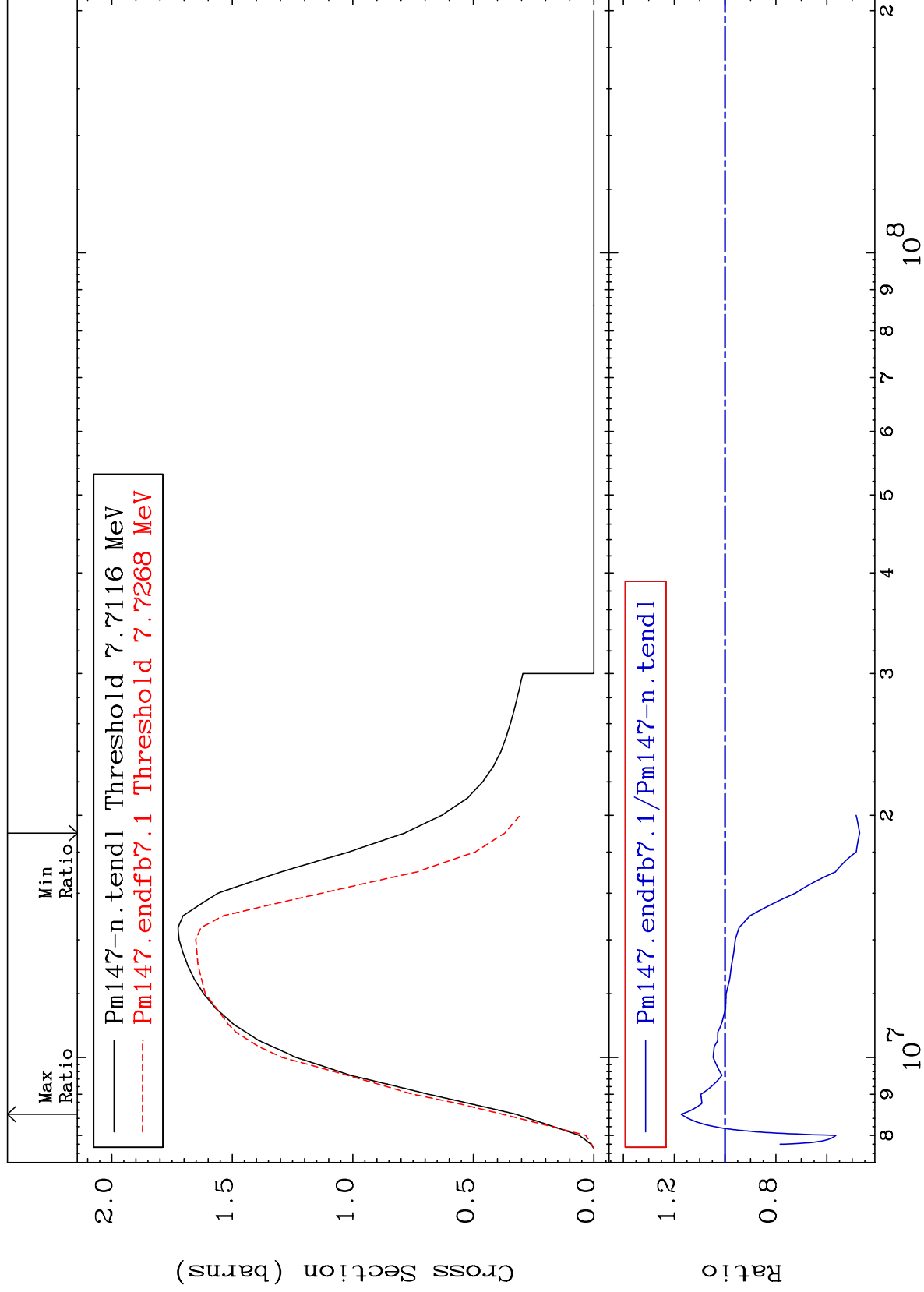
3

61-Pm-147

MAT 6149

(n,2n)
Cross Section

61-Pm-147
-52.94 To 17.25 %



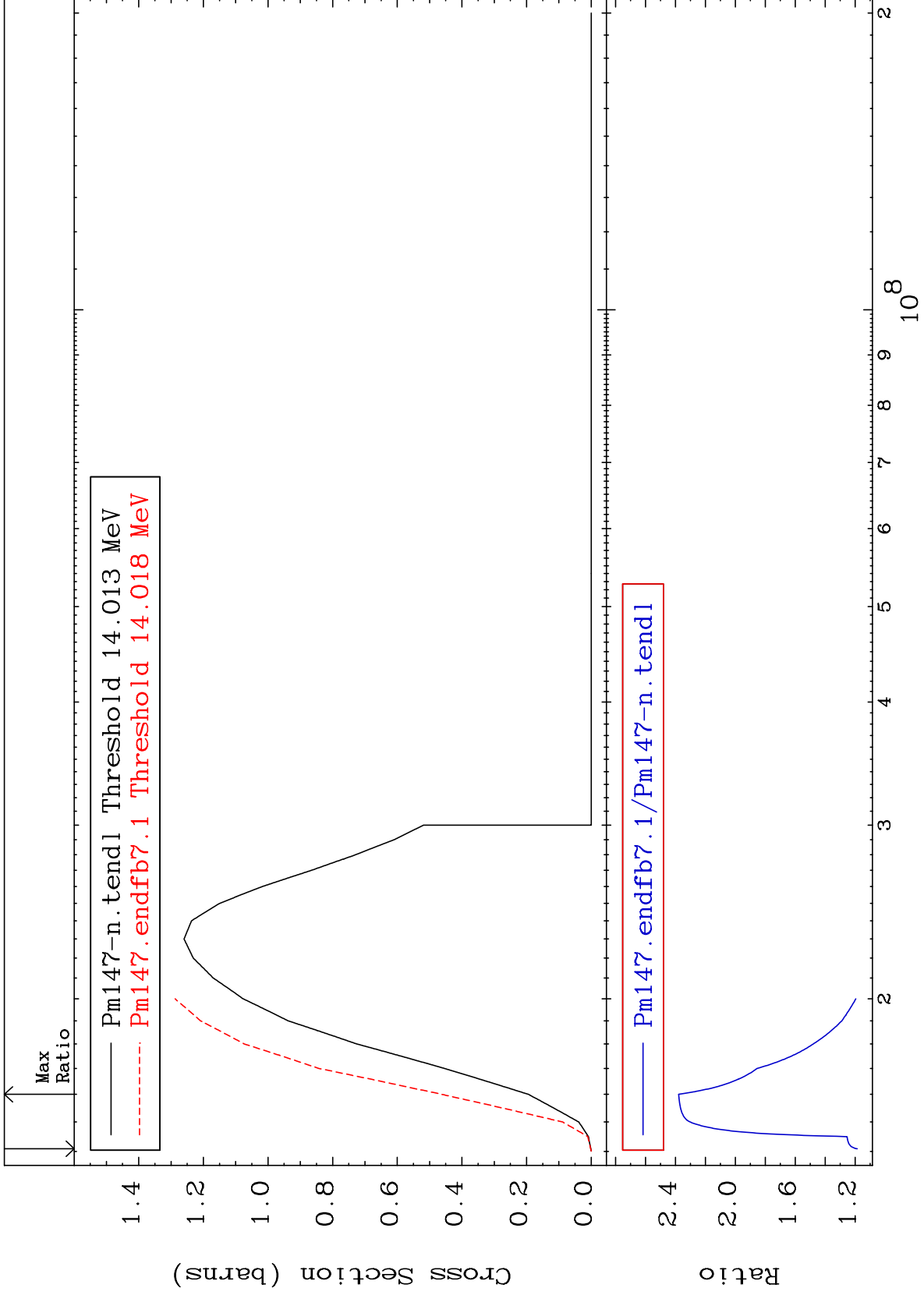
4

61-Pm-147

MAT 6149

(n,3n)
Cross Section

61-Pm-147
18.61 To 137.8 %



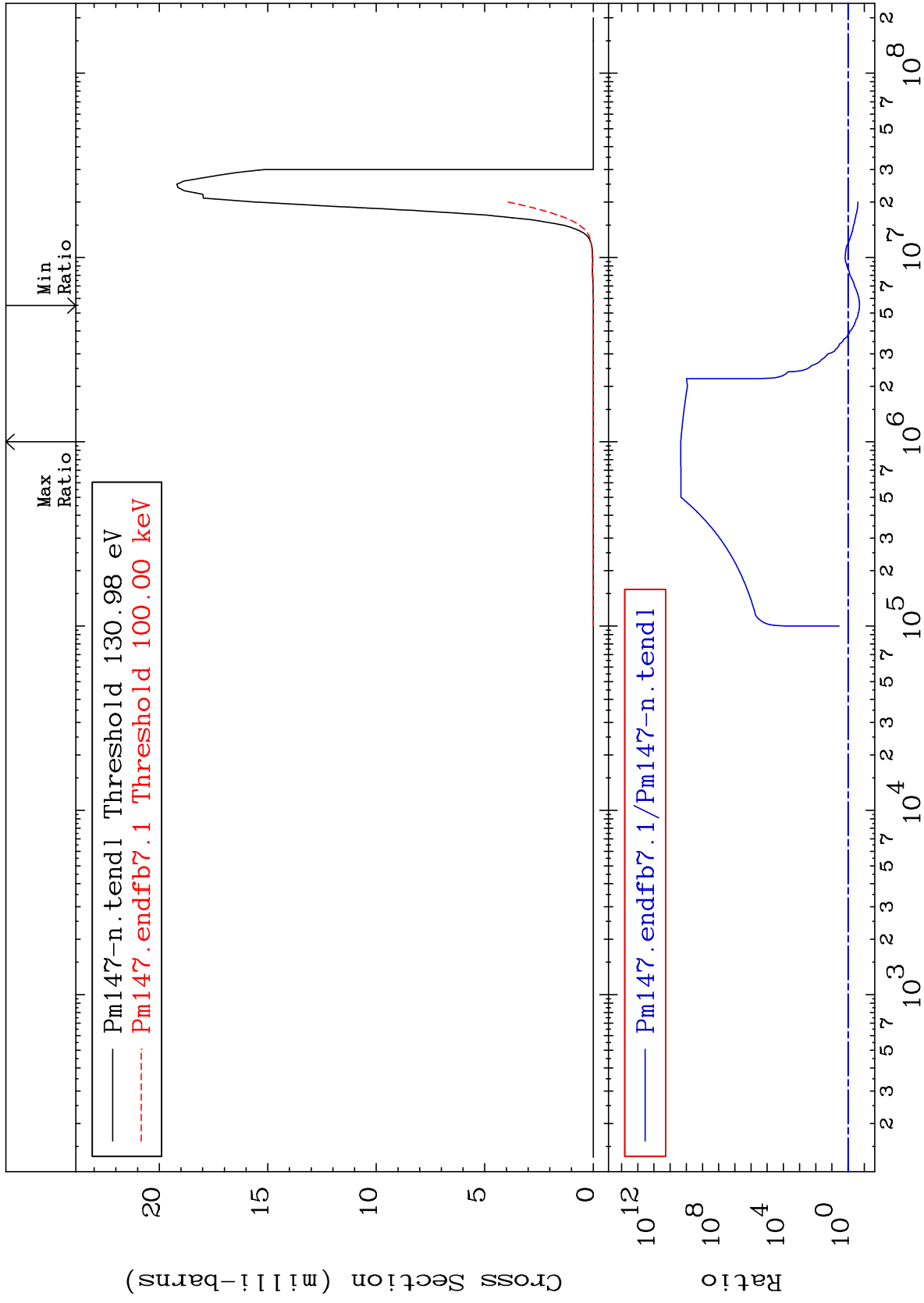
MAT 6149

(n, n') α

61-Pm-147

Cross Section

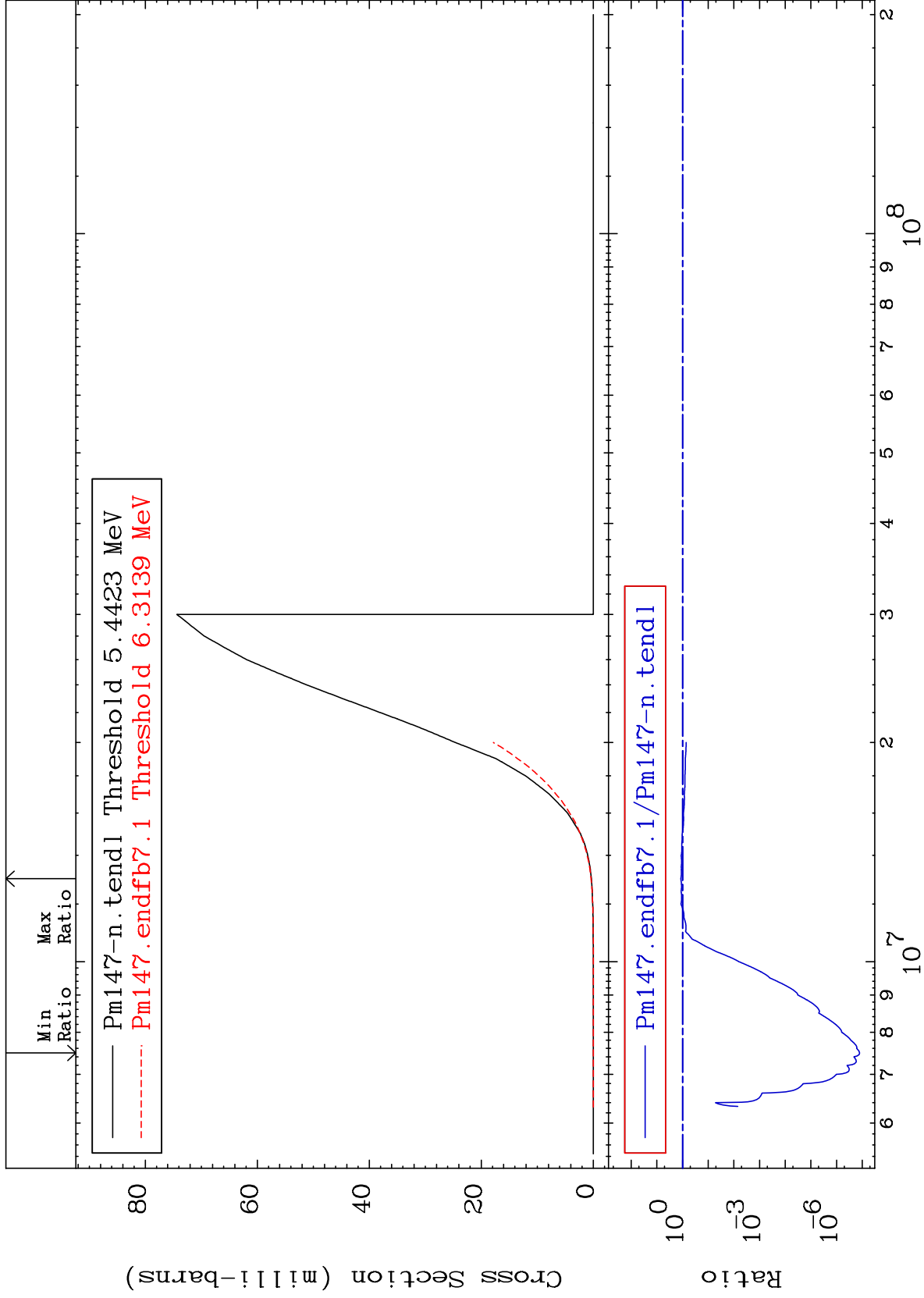
-80.42 To 9999. %

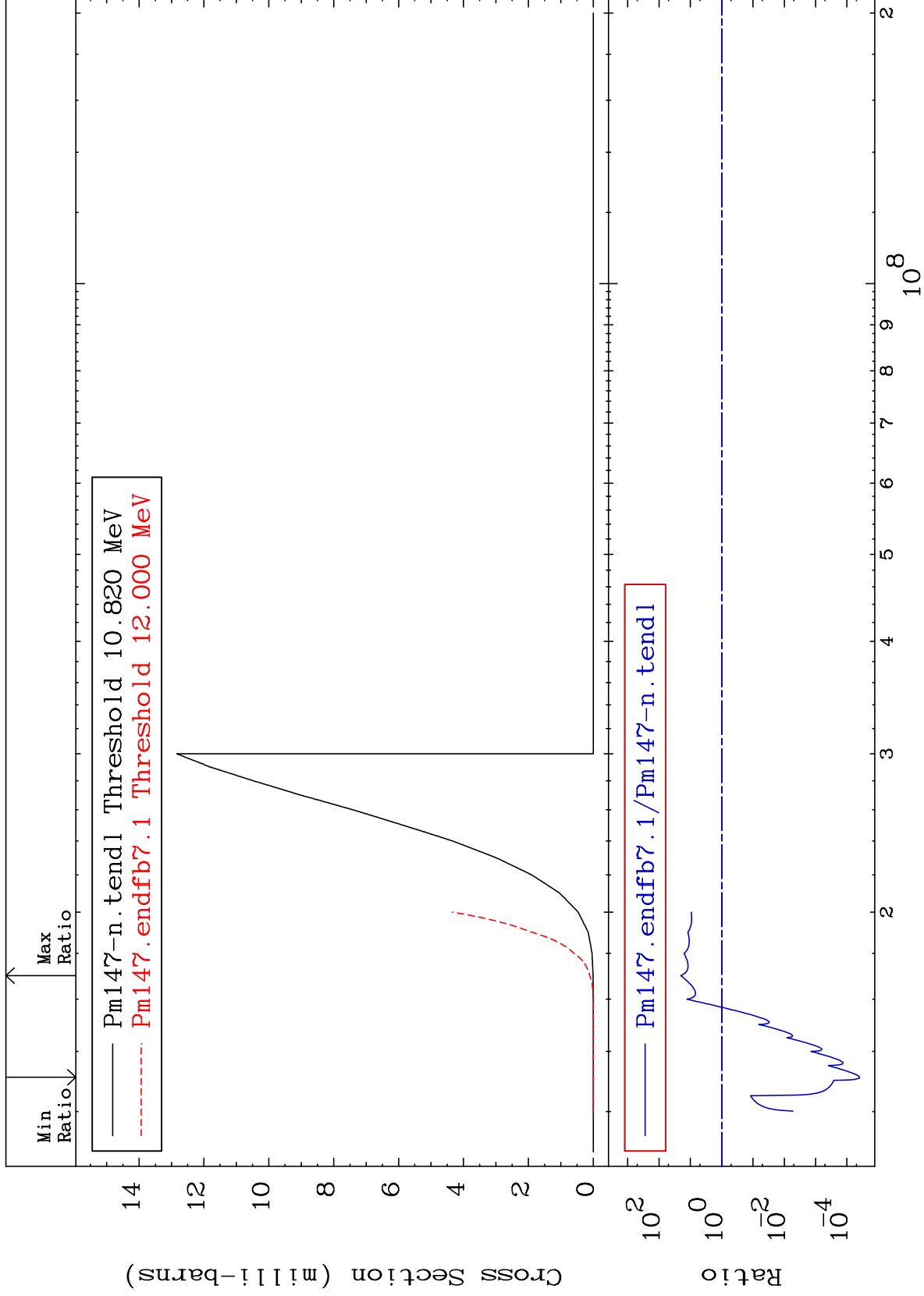


MAT 6149

(n, n') p
Cross Section

61-Pm-147
-100.0 To 16.98 %





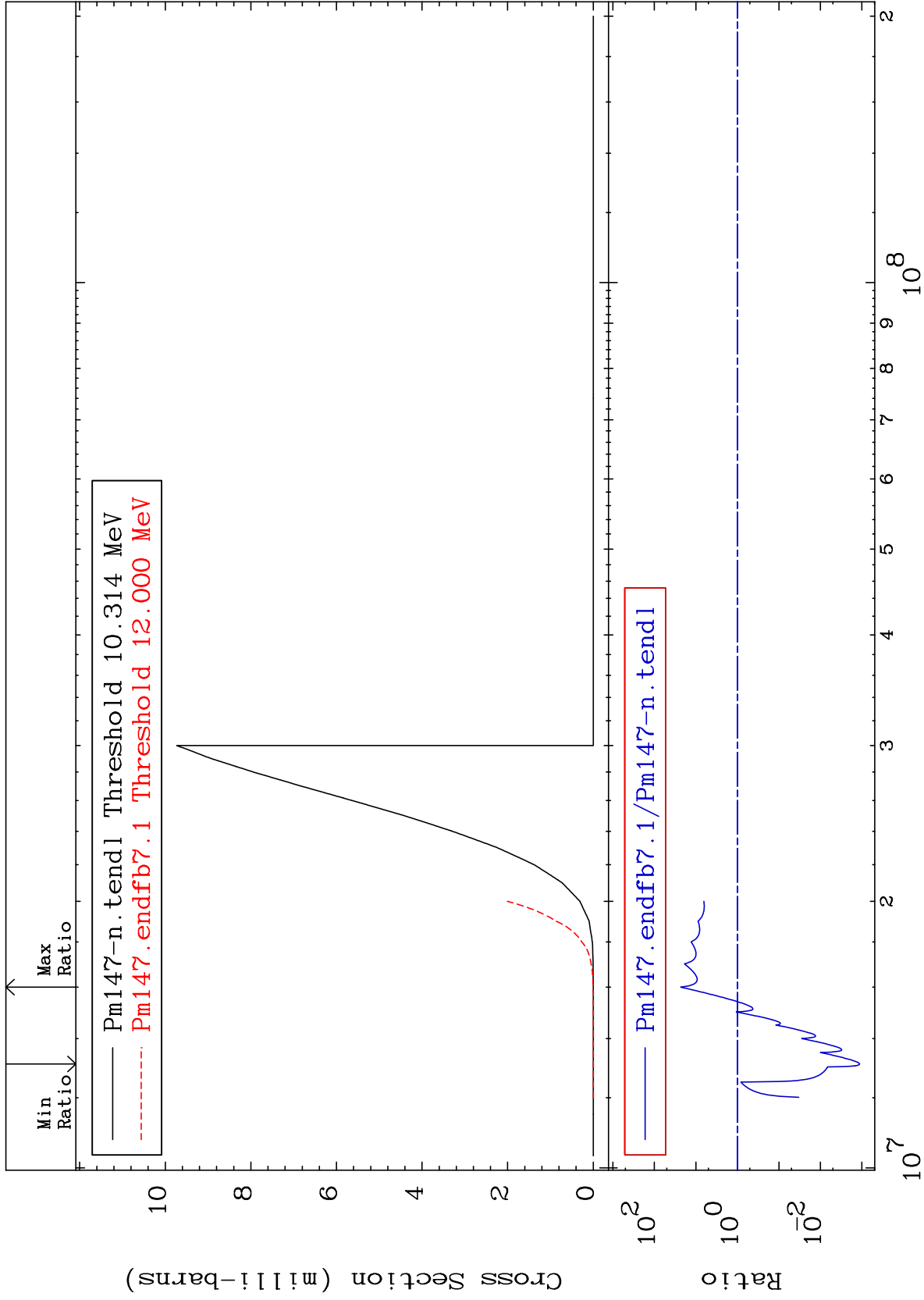
MAT 6149

(n,n') t

61-Pm-147

Cross Section

-99.89 To 2205. %

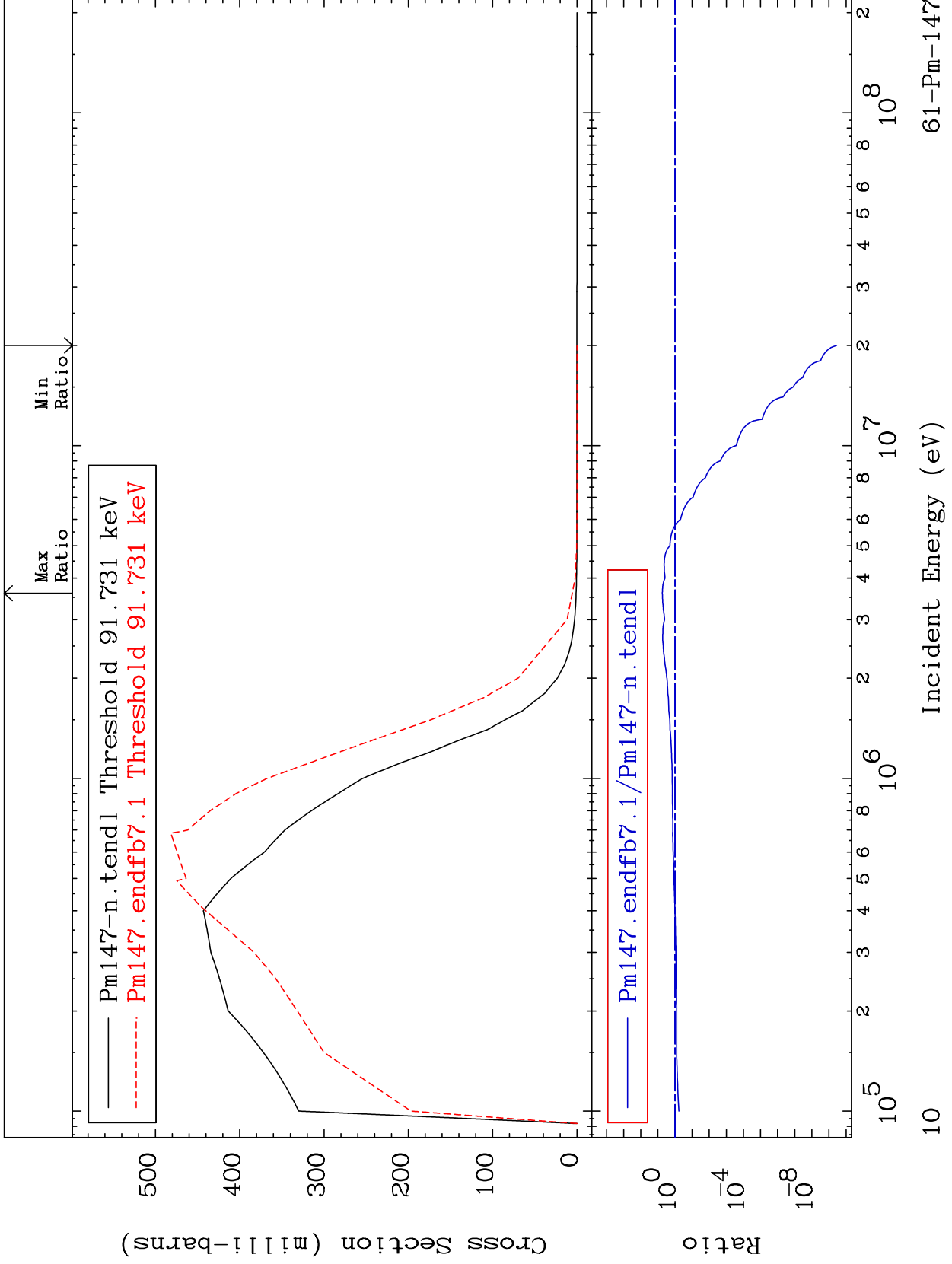


61-Pm-147

MAT 6149

91.10 keV (n,n') Level
Cross Section

61-Pm-147
-100.0 To 452.0 %

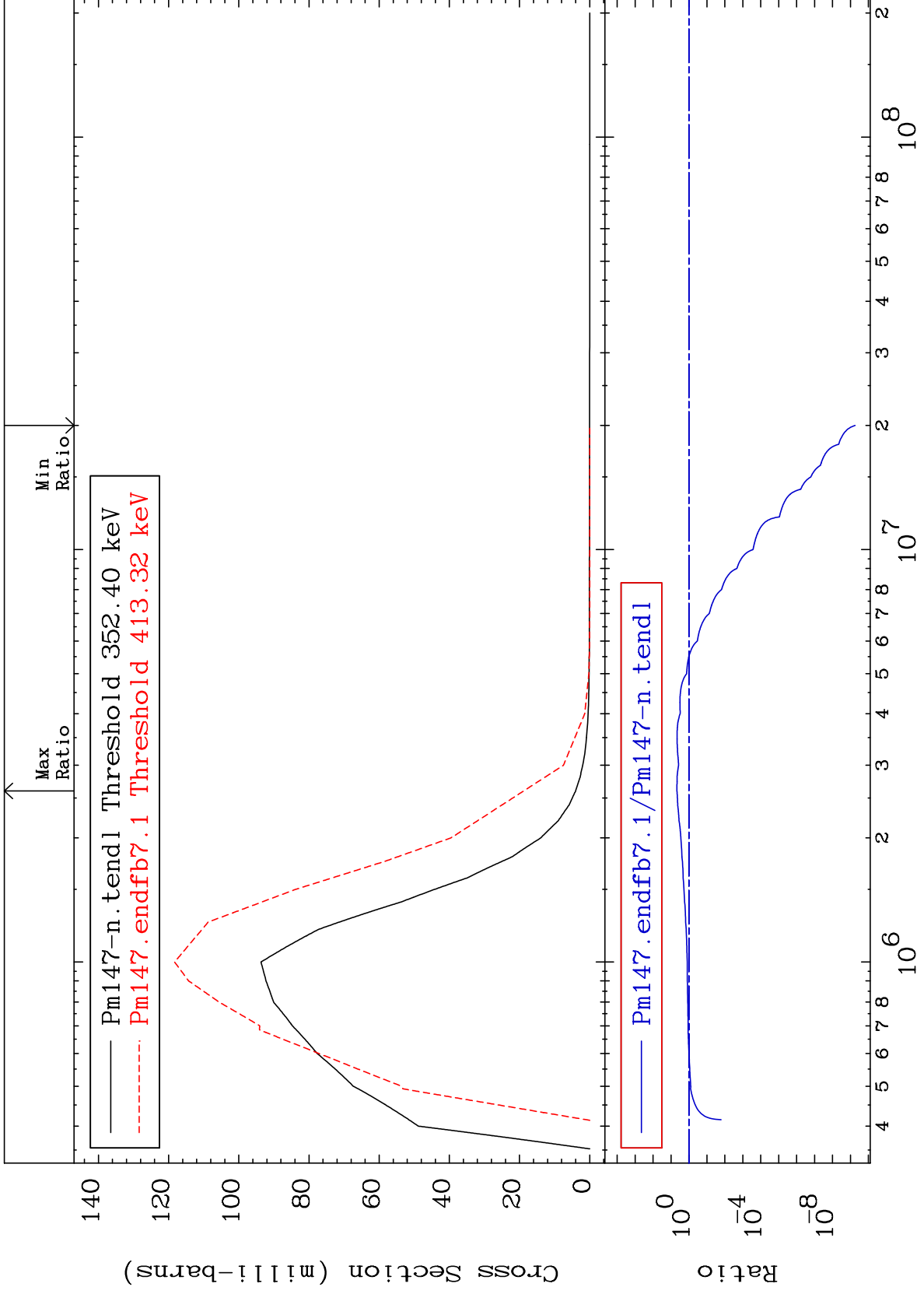


61-Pm-147

MAT 6149

350.0 keV (n,n') Level
Cross Section

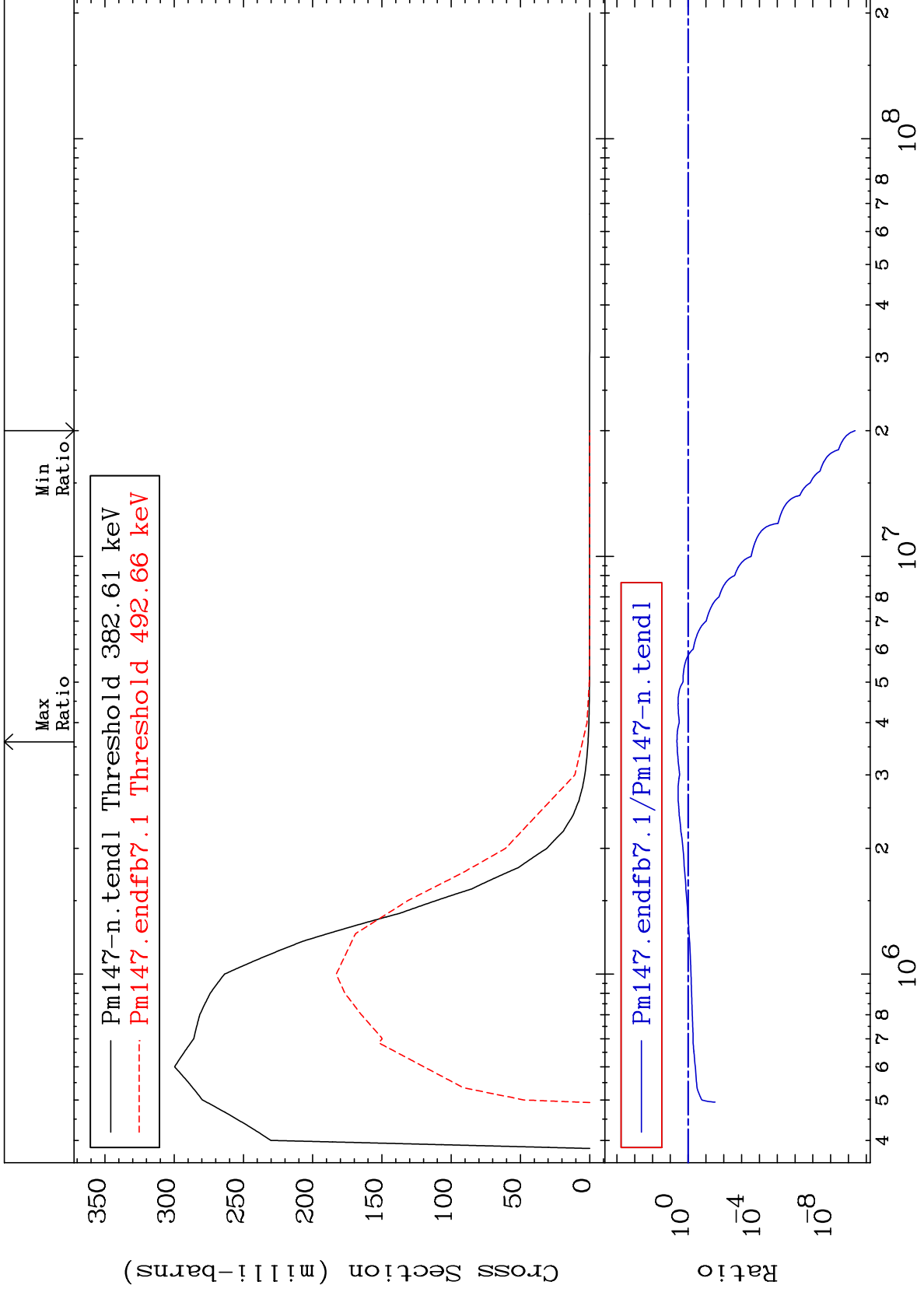
61-Pm-147
-100.0 To 369.2 %



MAT 6149

380.0 keV (n,n') Level
Cross Section

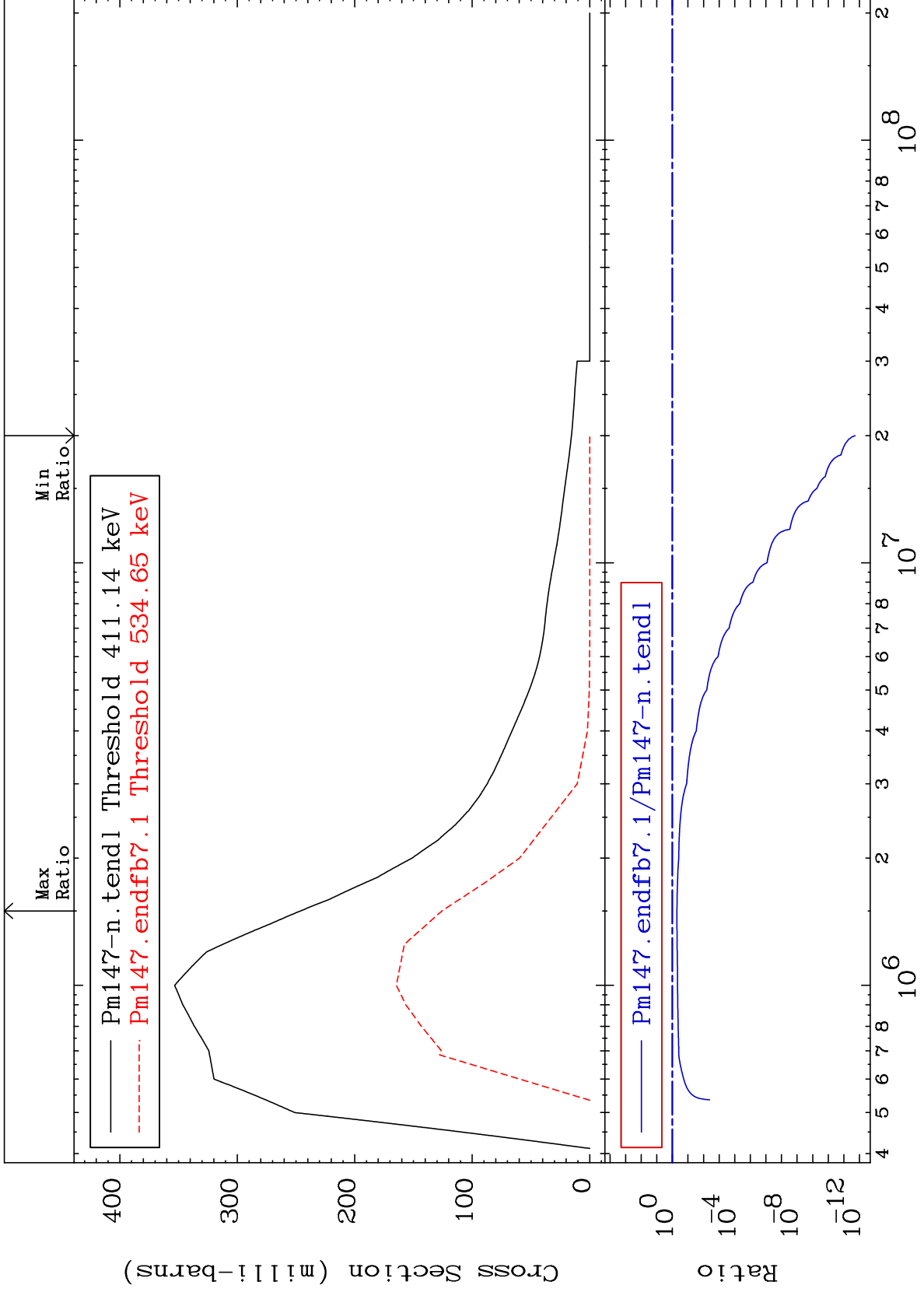
61-Pm-147
-100.0 To 326.9 %



MAT 6149

408.3 keV (n,n') Level
Cross Section

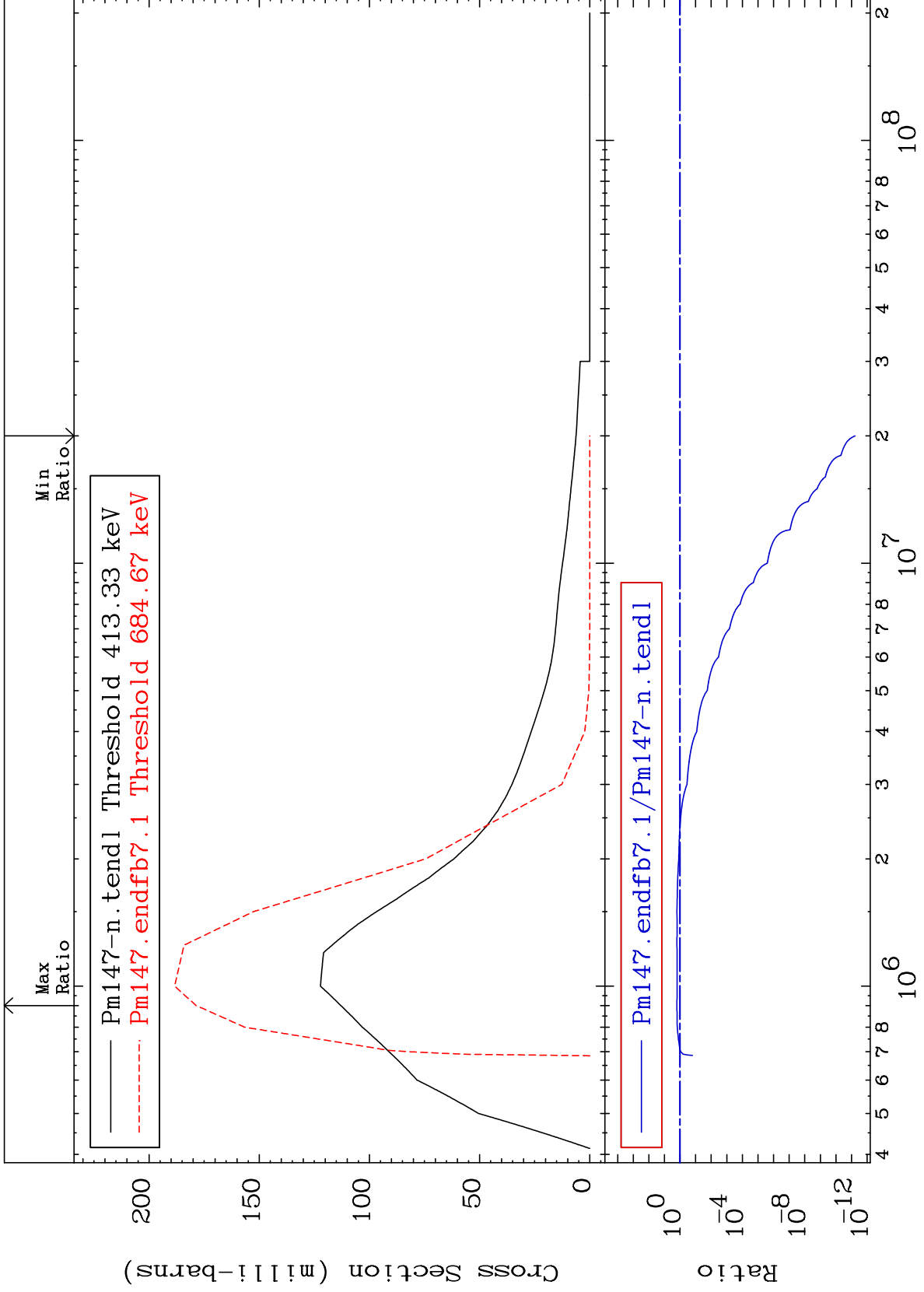
61-Pm-147
-100.0 To -48.91%



MAT 6149

410.5 keV (n,n') Level
Cross Section

61-Pm-147
-100.0 To 58.09 %



14

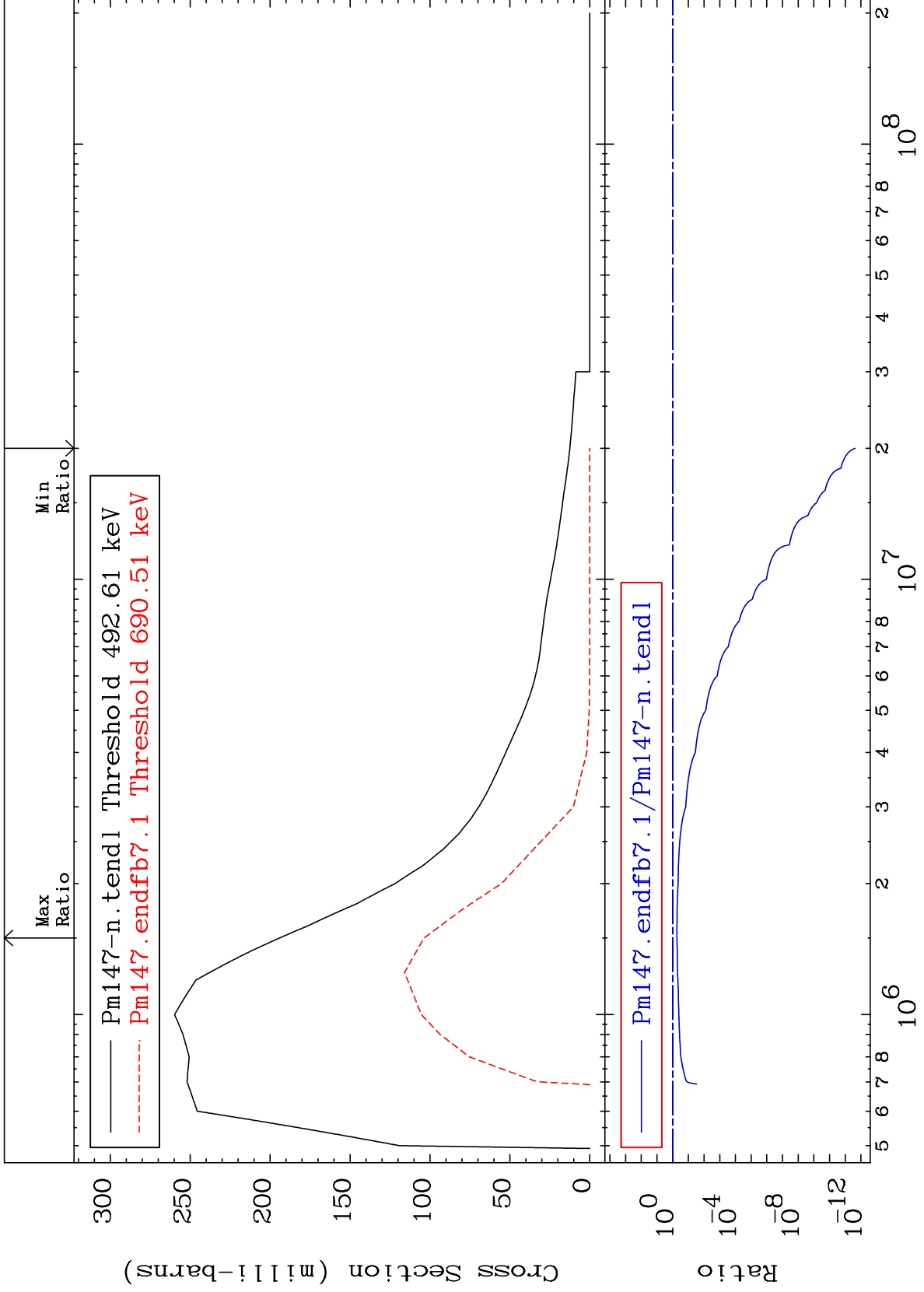
Incident Energy (eV)

61-Pm-147

MAT 6149

489.3 keV (n,n') Level
Cross Section

61-Pm-147
-100.0 To -46.58%



15

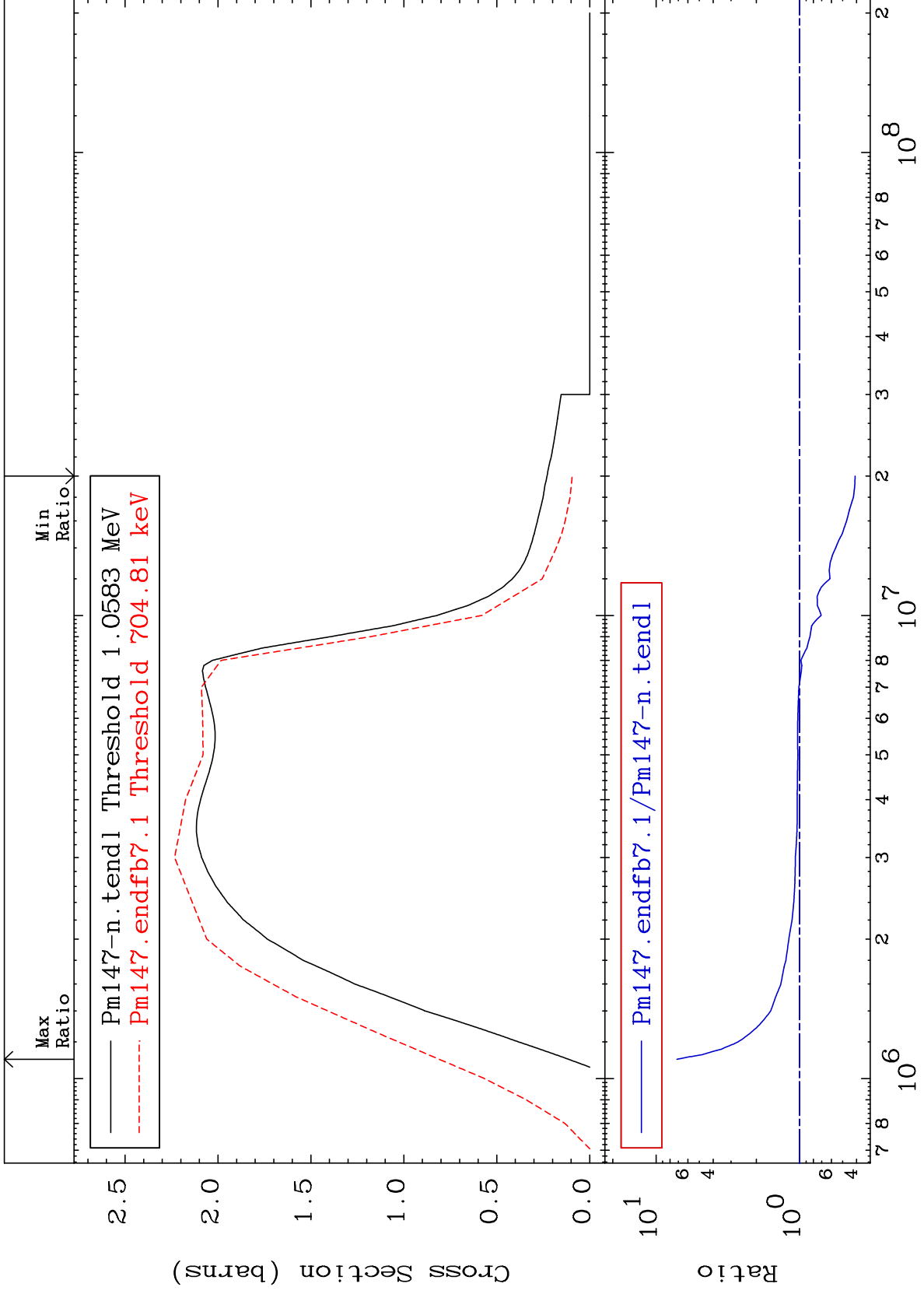
Incident Energy (eV)

61-Pm-147

MAT 6149

(n, n') Continuum
Cross Section

61-Pm-147
-59.00 To 615.3 %



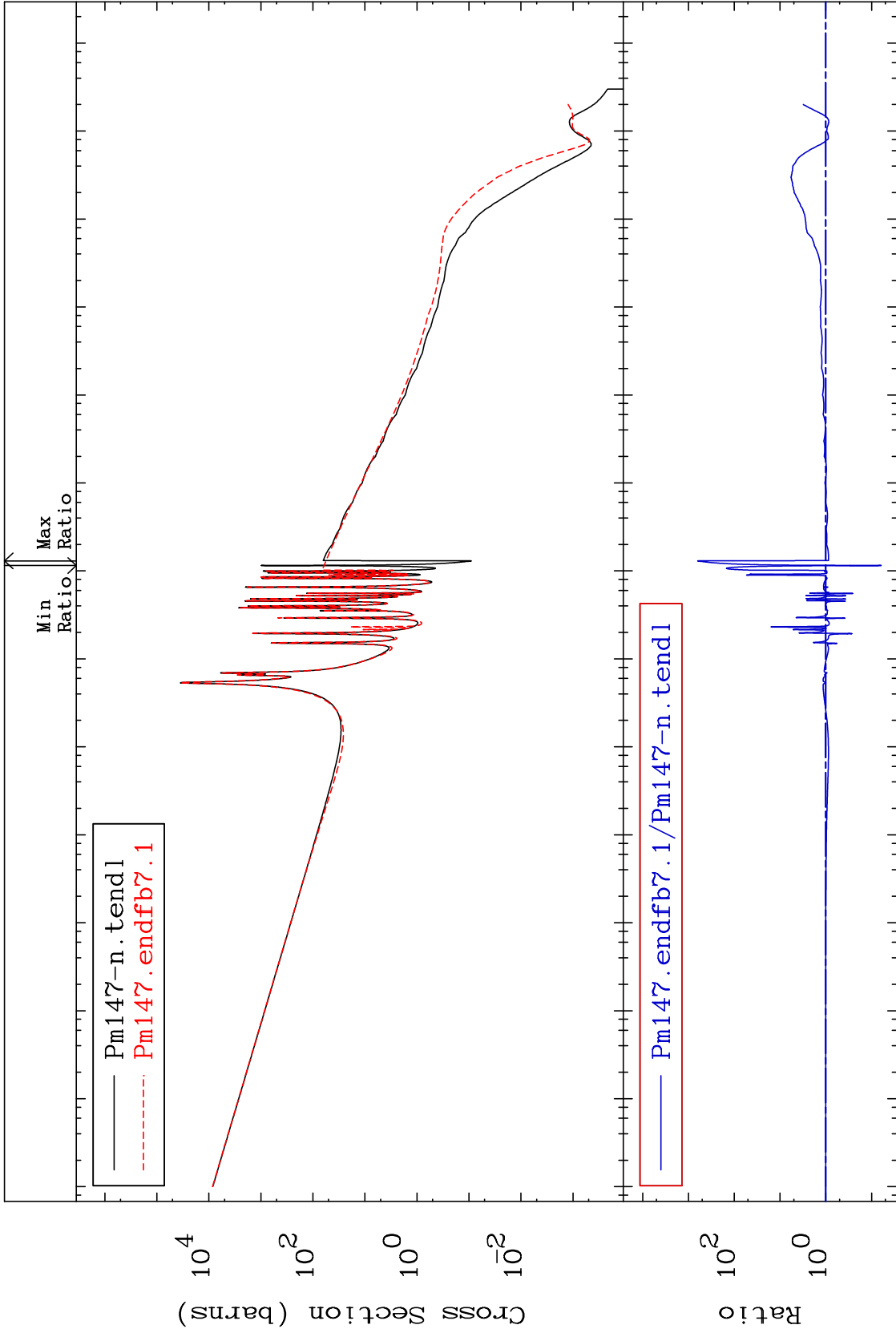
16

61-Pm-147

MAT 6149

(n, γ)
Cross Section

61-Pm-147
-93.80 To 9999. %



17

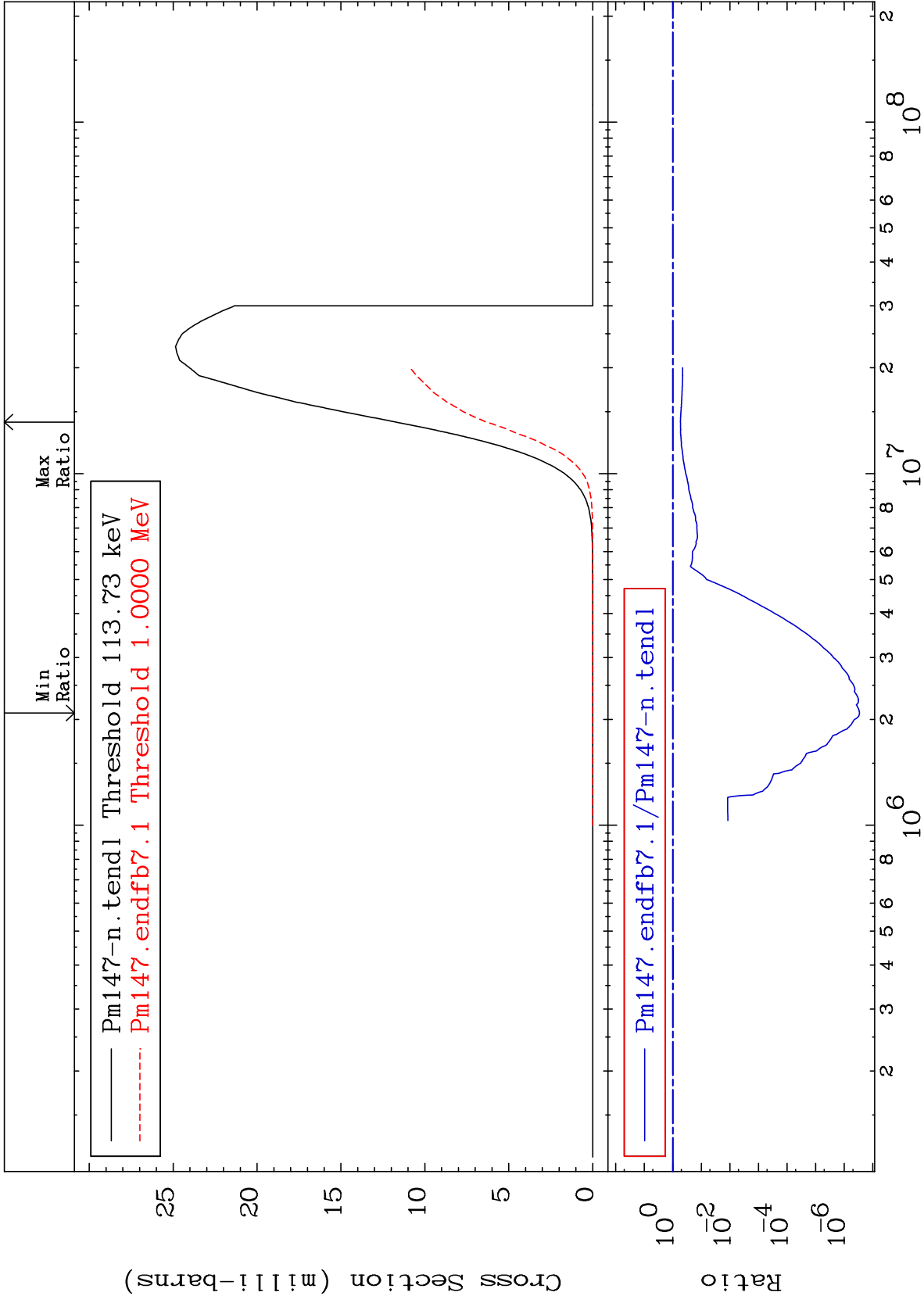
Incident Energy (eV)

61-Pm-147

MAT 6149

(n,p)
Cross Section

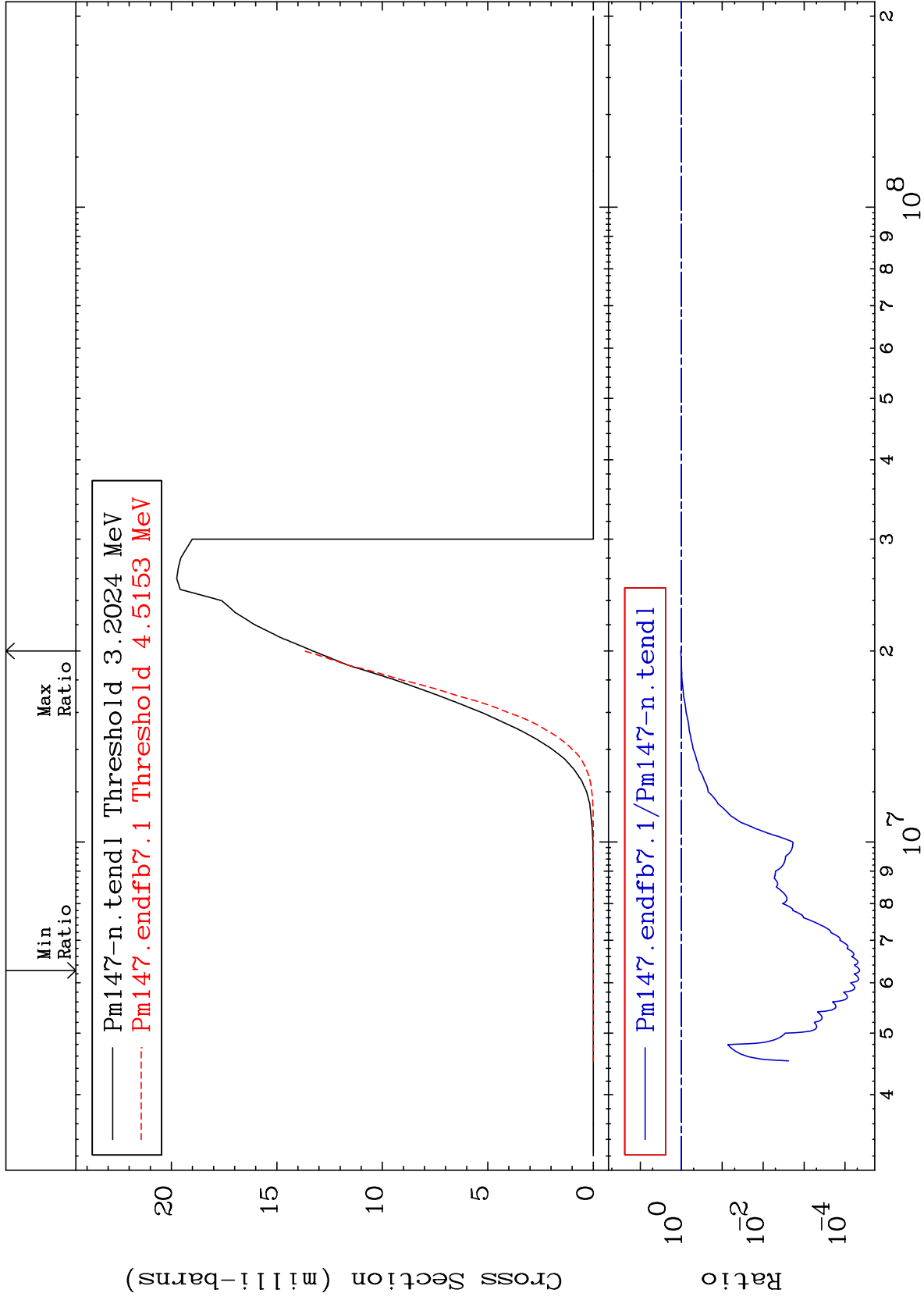
61-Pm-147
-100.0 To -45.83%



MAT 6149

61-Pm-147

(n, d)
Cross Section
-100.0 To 3.067 %



19

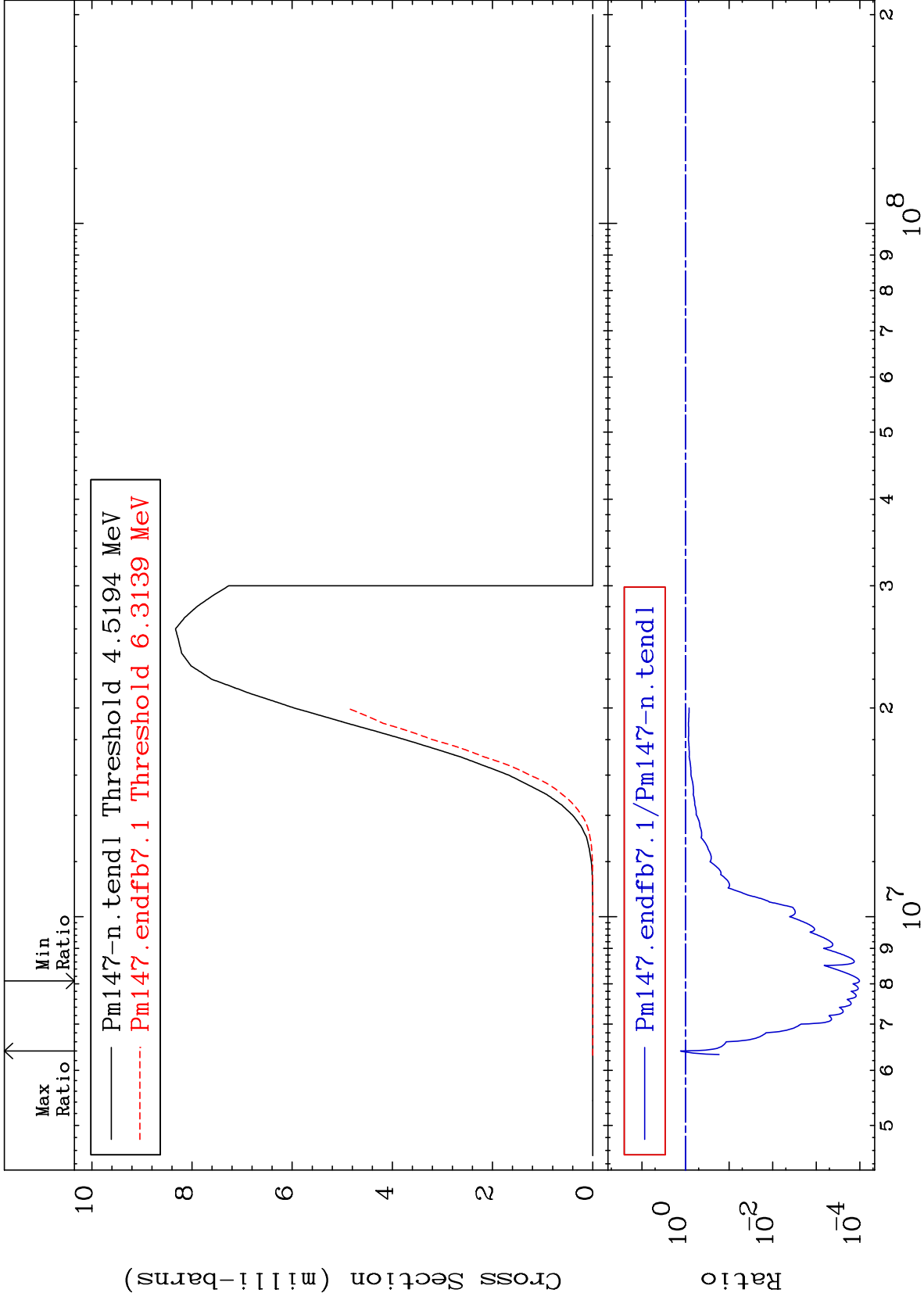
Incident Energy (eV)

61-Pm-147

MAT 6149

(n, t)
Cross Section

61-Pm-147
-99.99 To 30.90 %



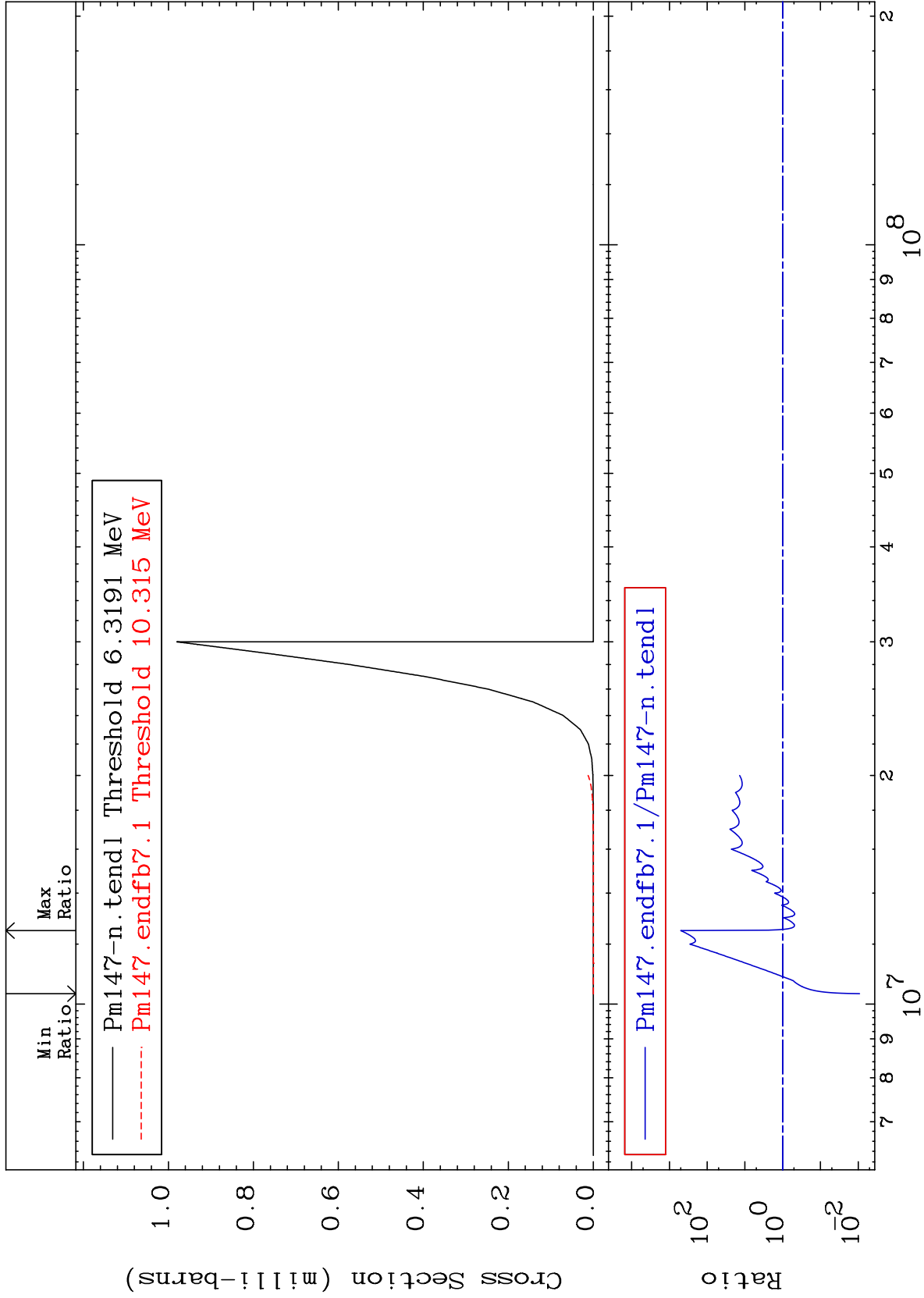
MAT 6149

(n, He-3)

61-Pm-147

Cross Section

-99.08 To 9999. %



21

61-Pm-147

61-Pm-147

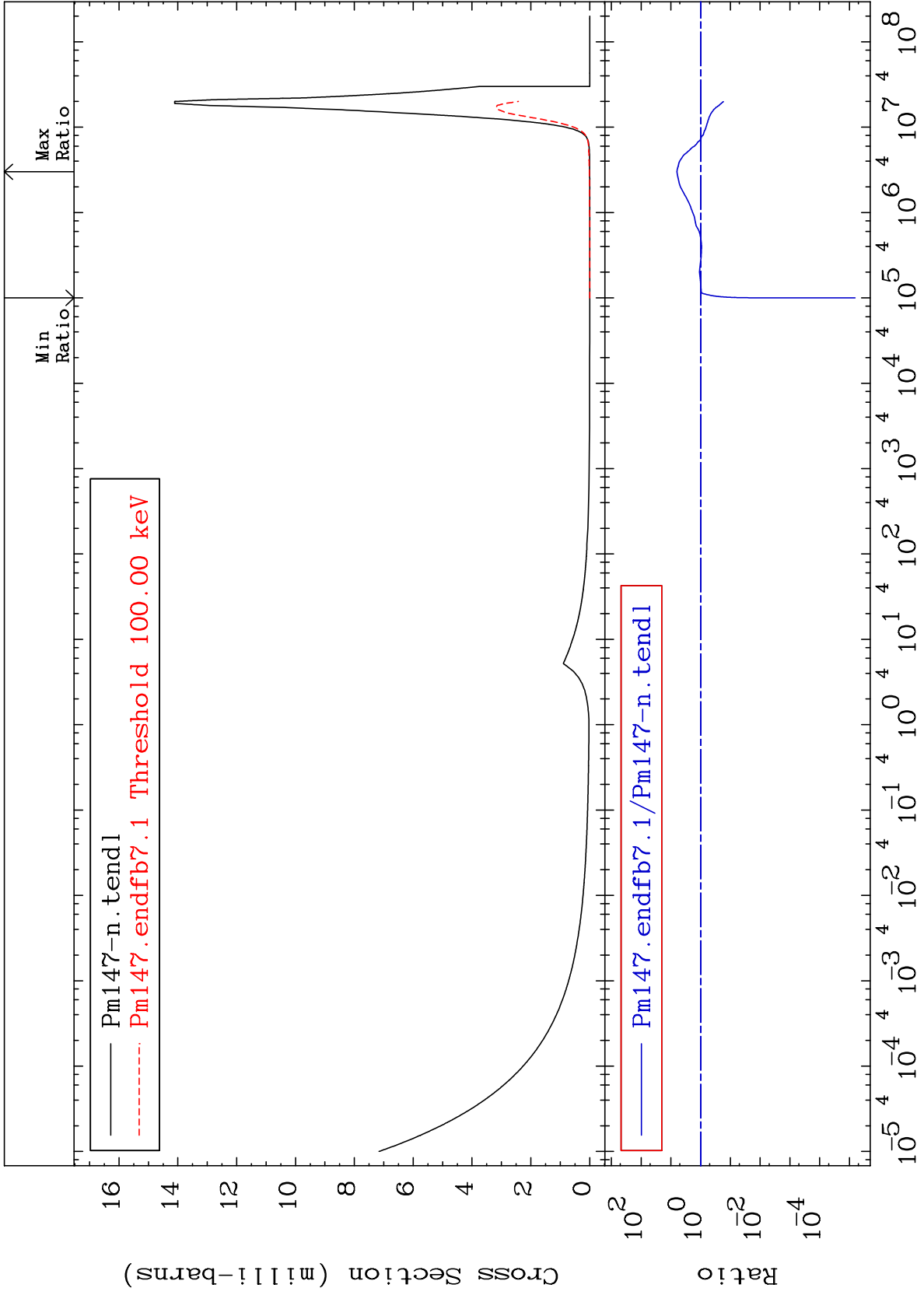
MAT 6149

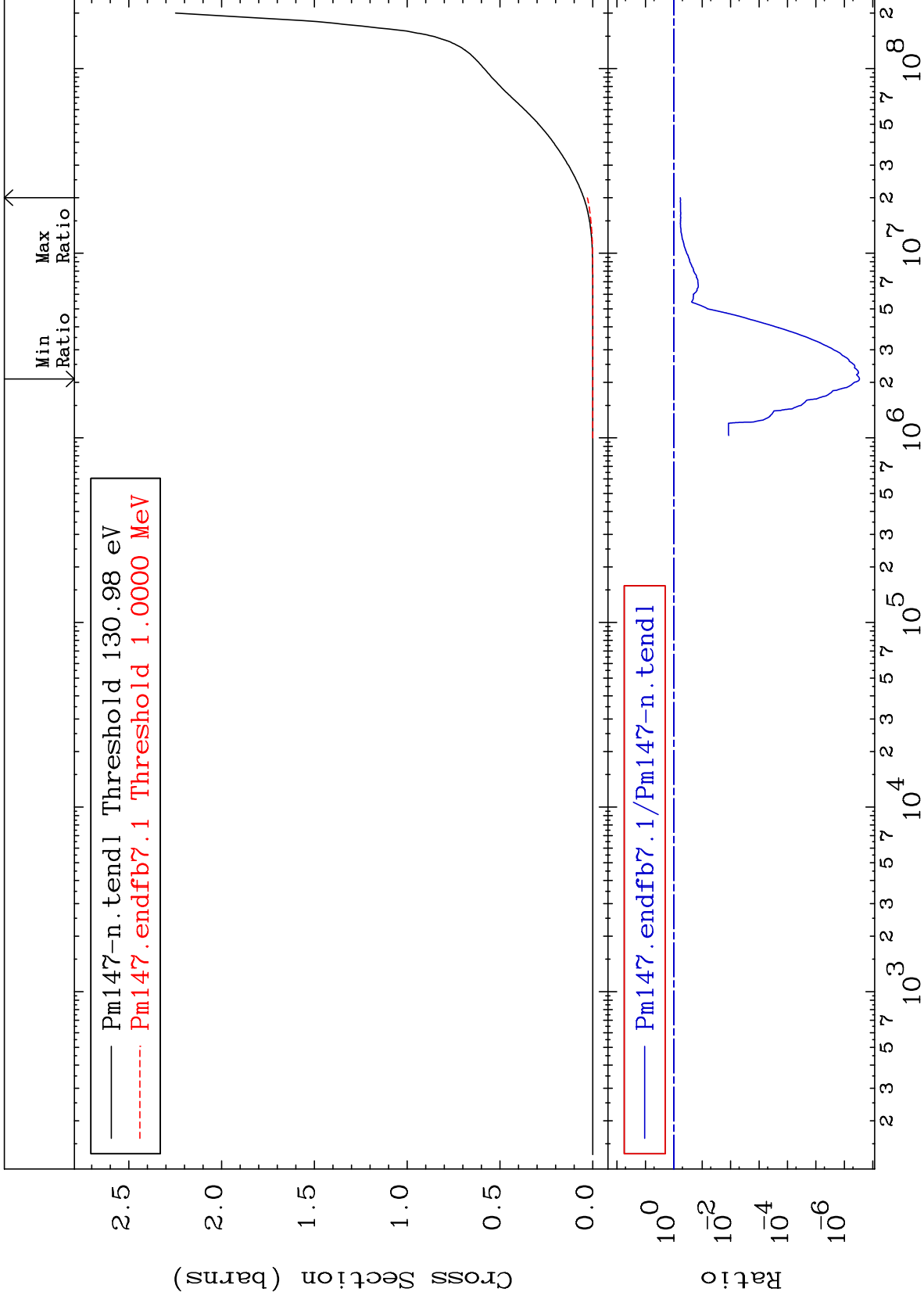
(n, α)

61-Pm-147

Cross Section

-100.0 To 526.1 %

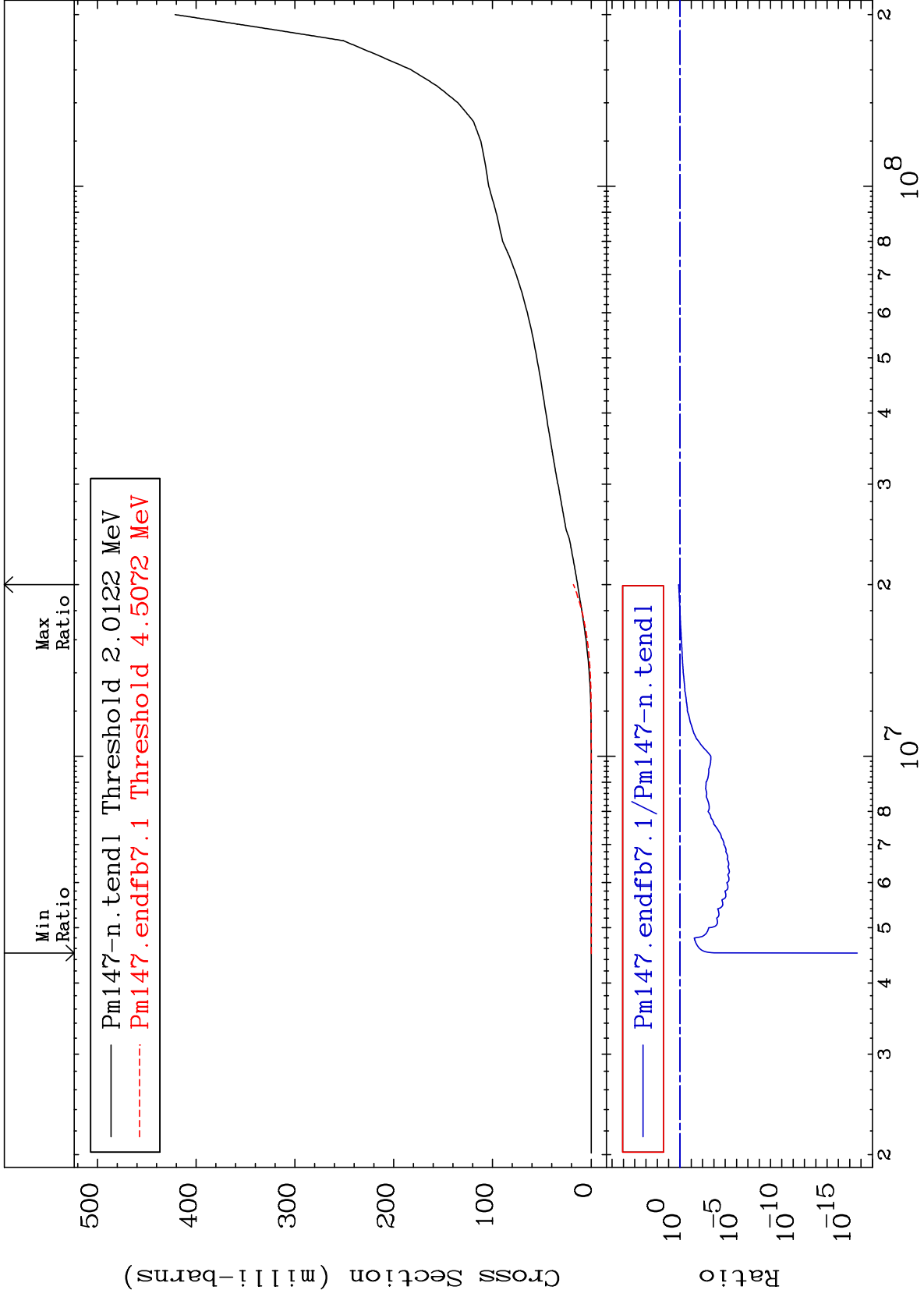


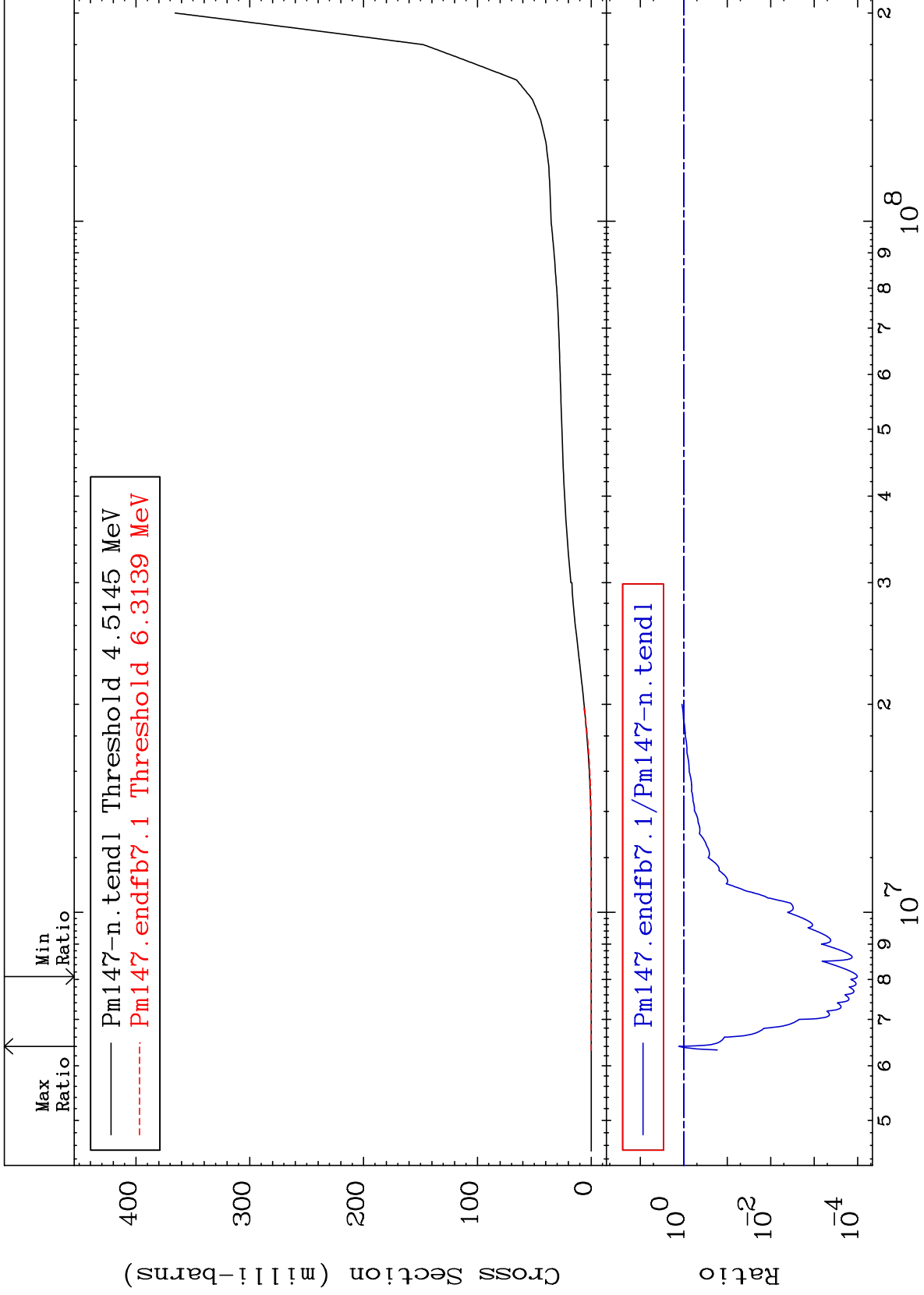


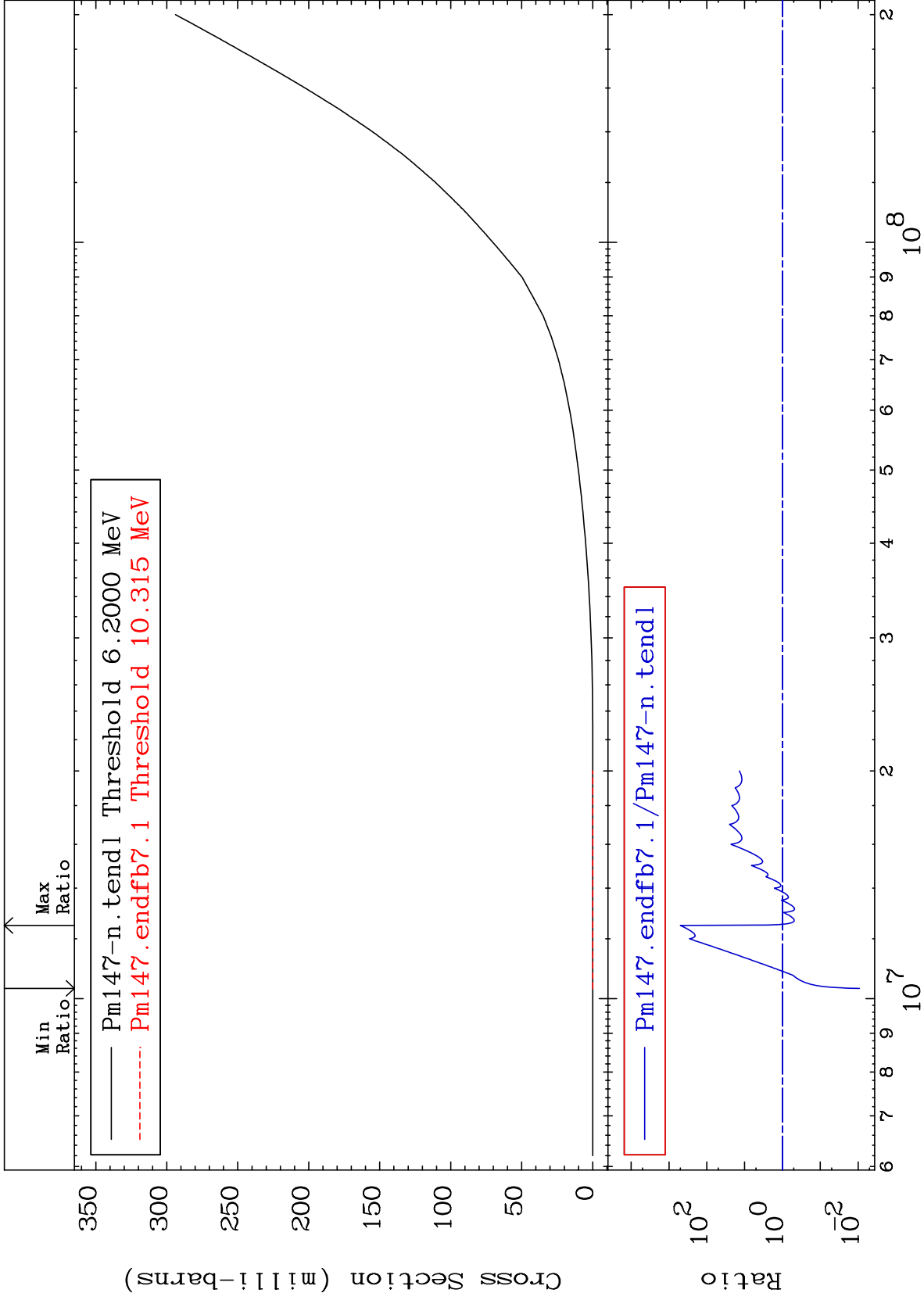
MAT 6149

Deuterium Production
Cross Section

61-Pm-147
-100.0 To 31.13 %



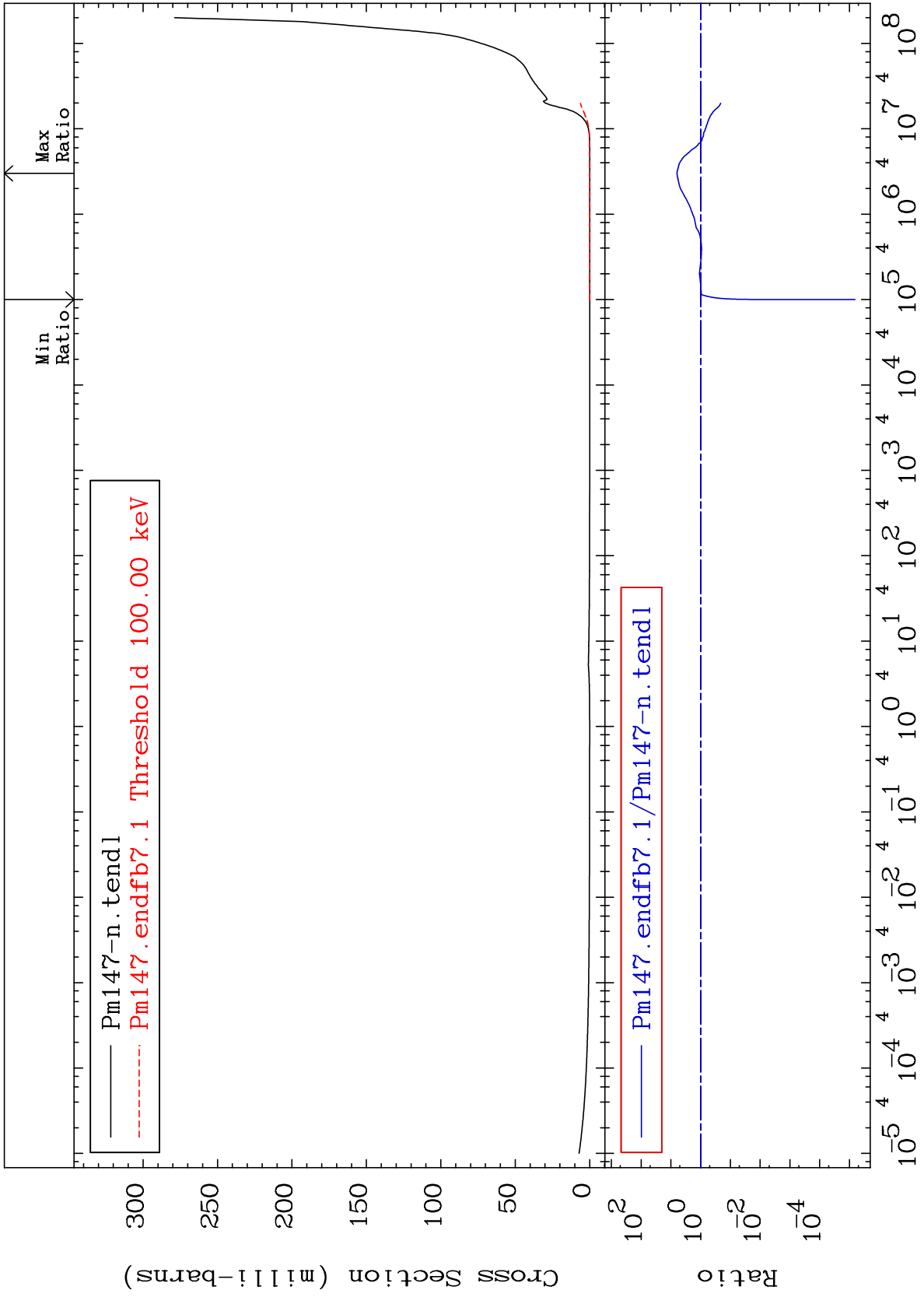




MAT 6149

He-4 Production
Cross Section

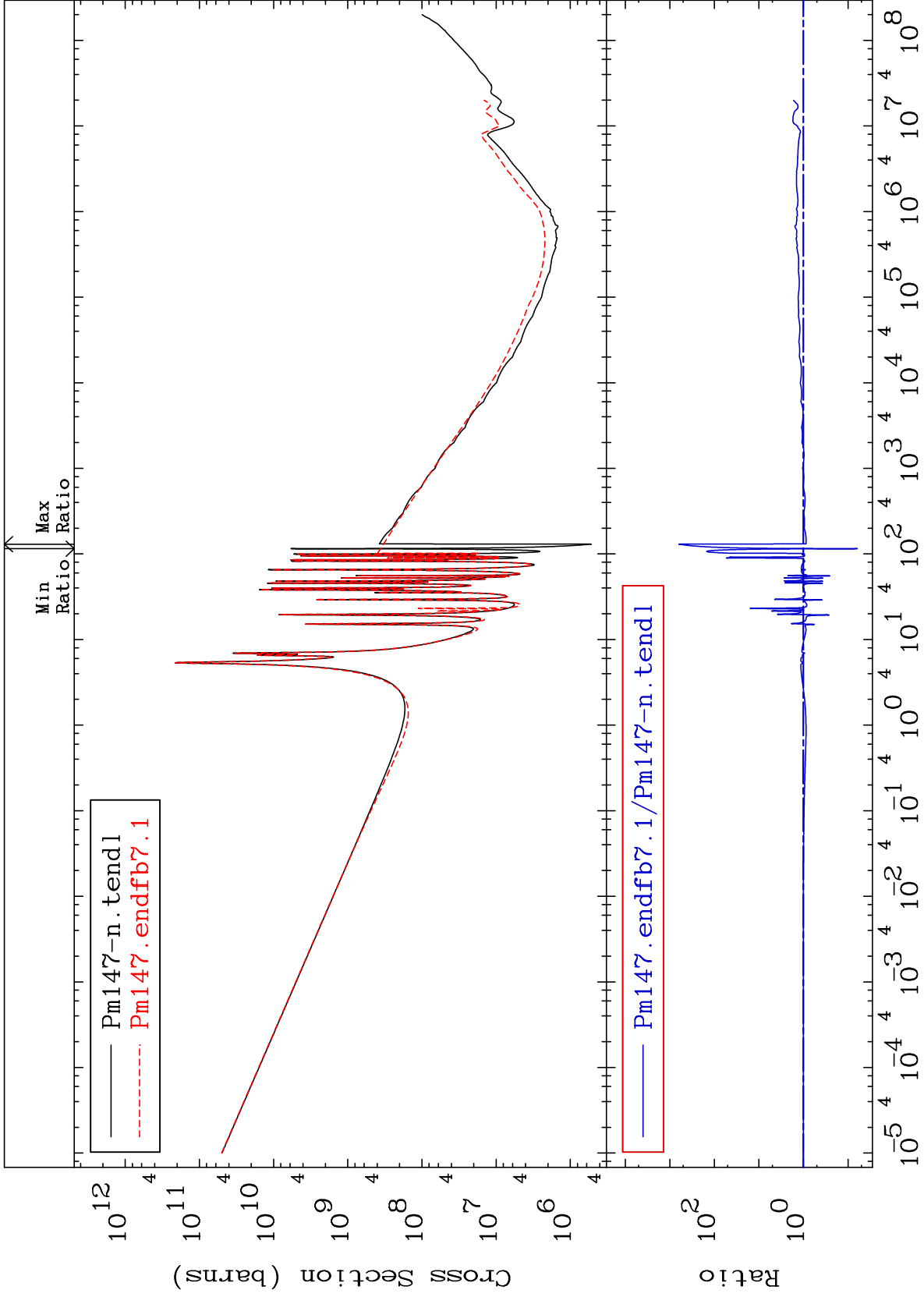
61-Pm-147
-100.0 To 526.1 %



27

Incident Energy (eV)

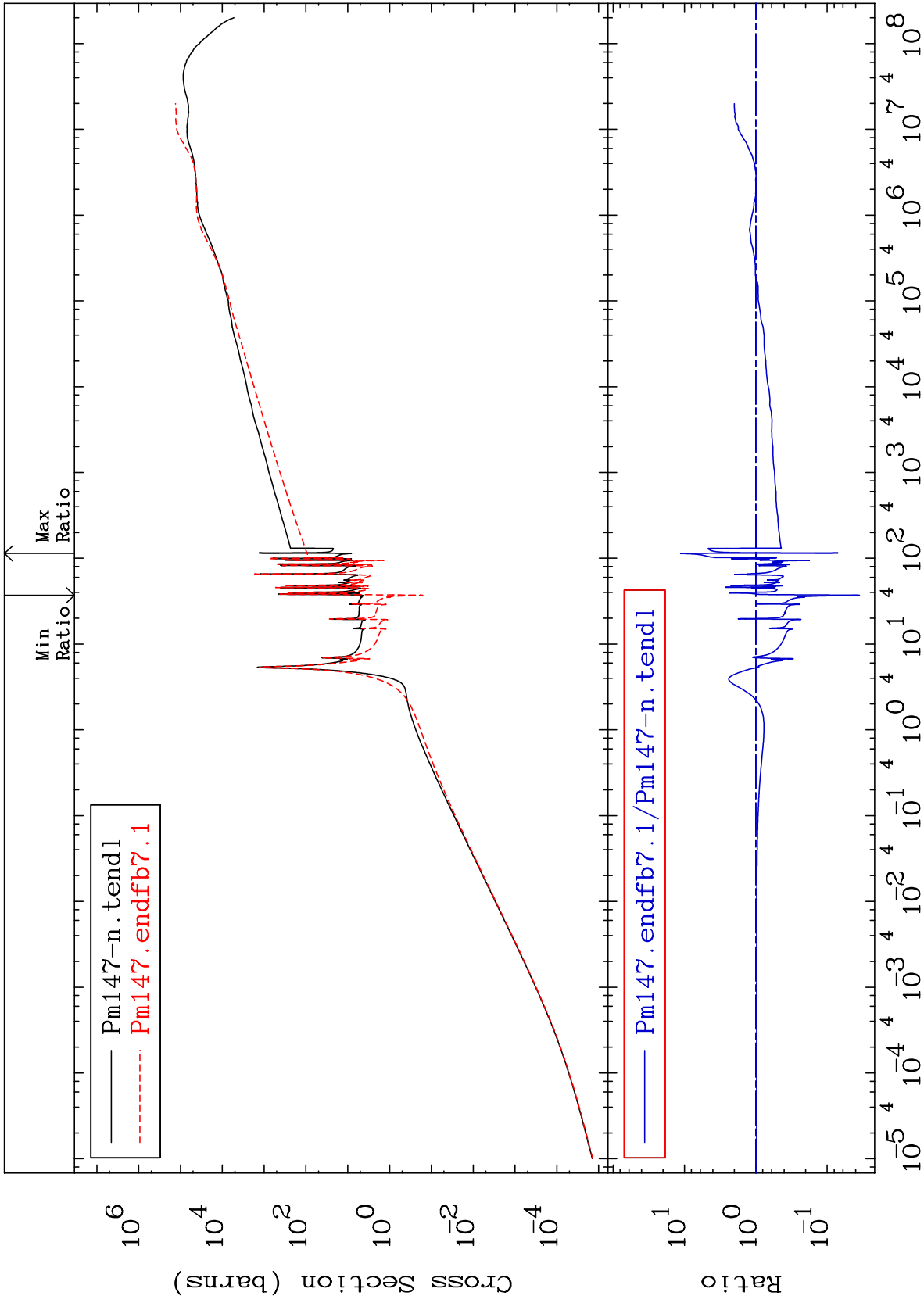
61-Pm-147

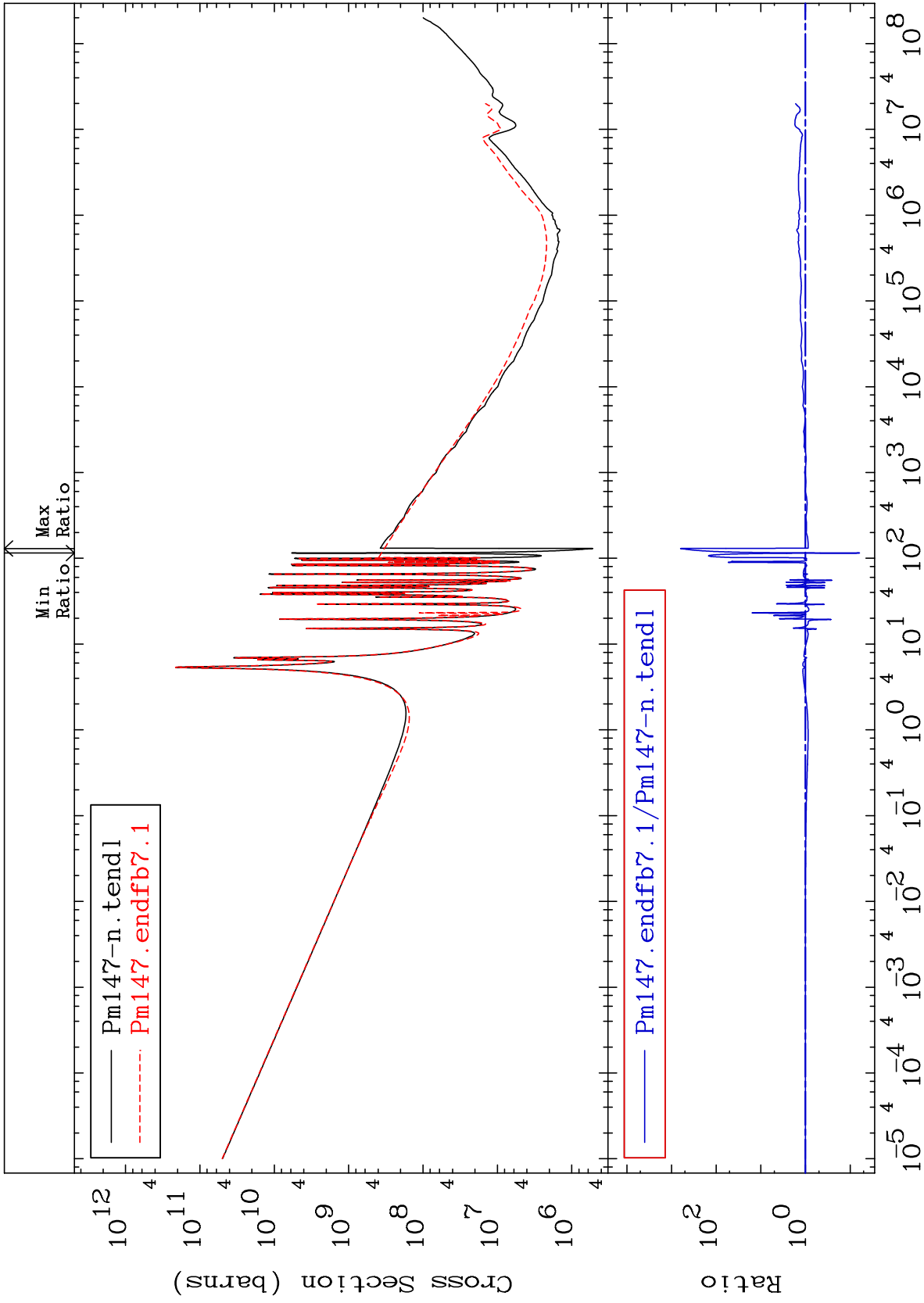


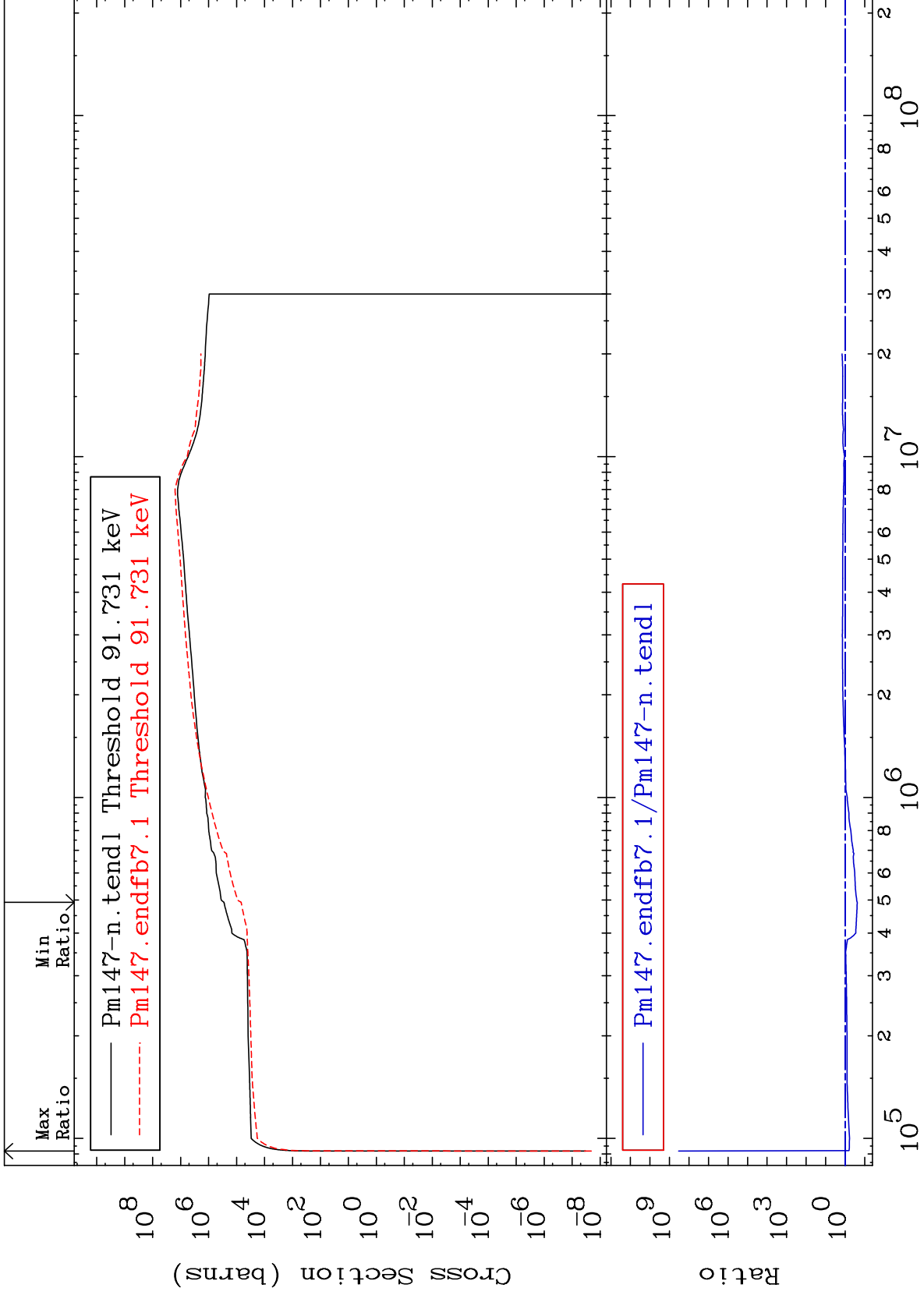
MAT 6149

Kerma elastic
Cross Section

61-Pm-147
-96.47 To 1044. %



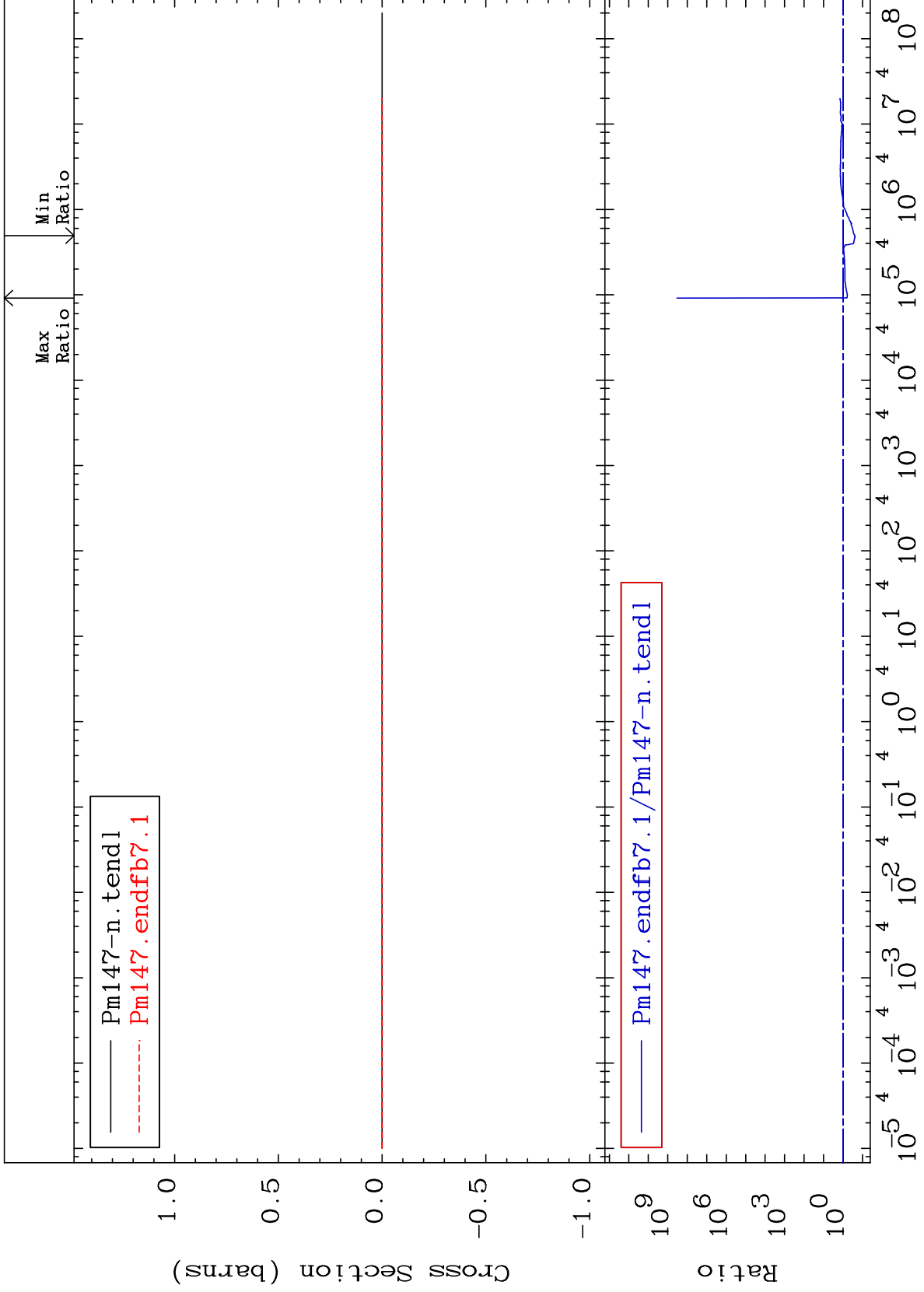


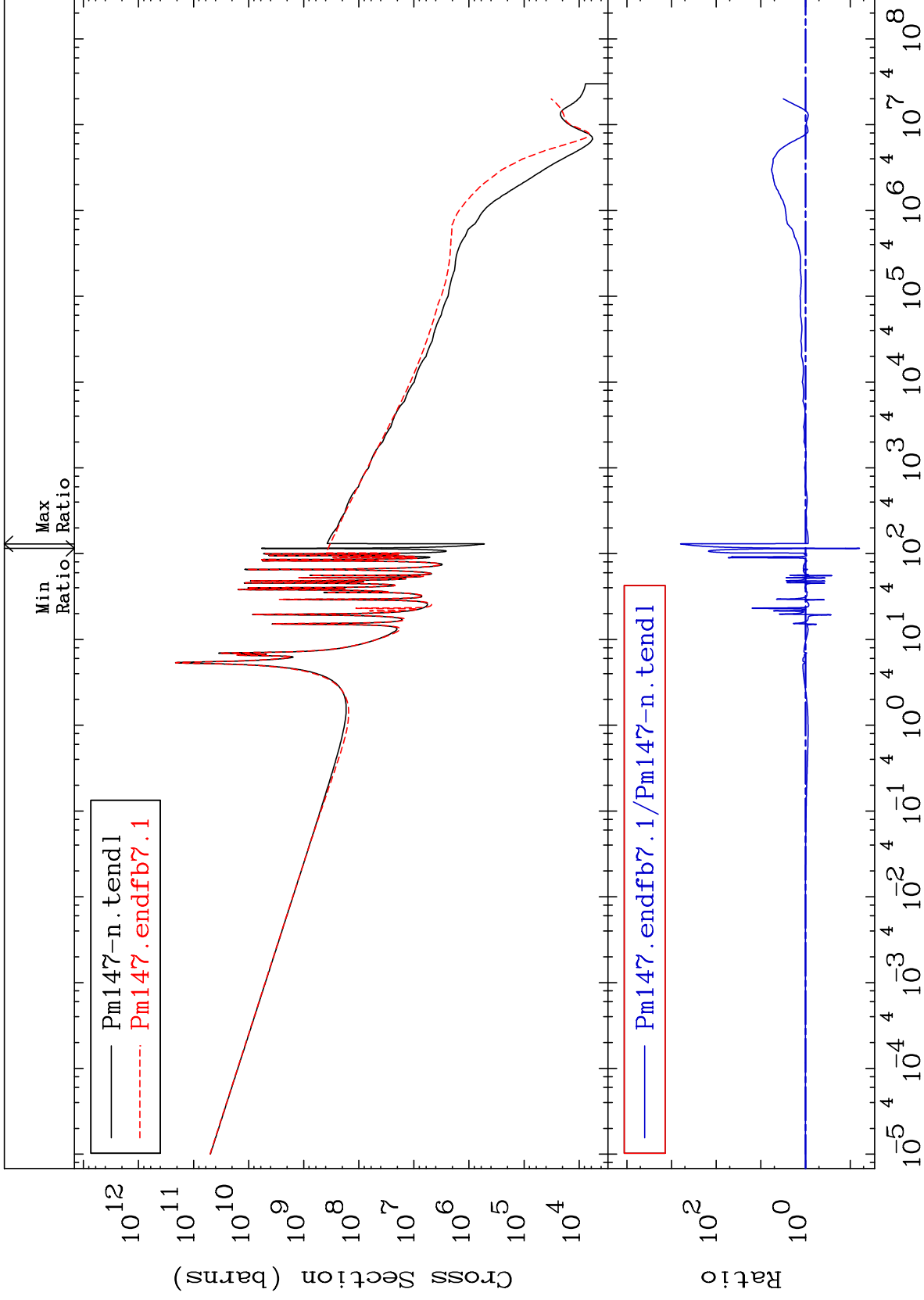


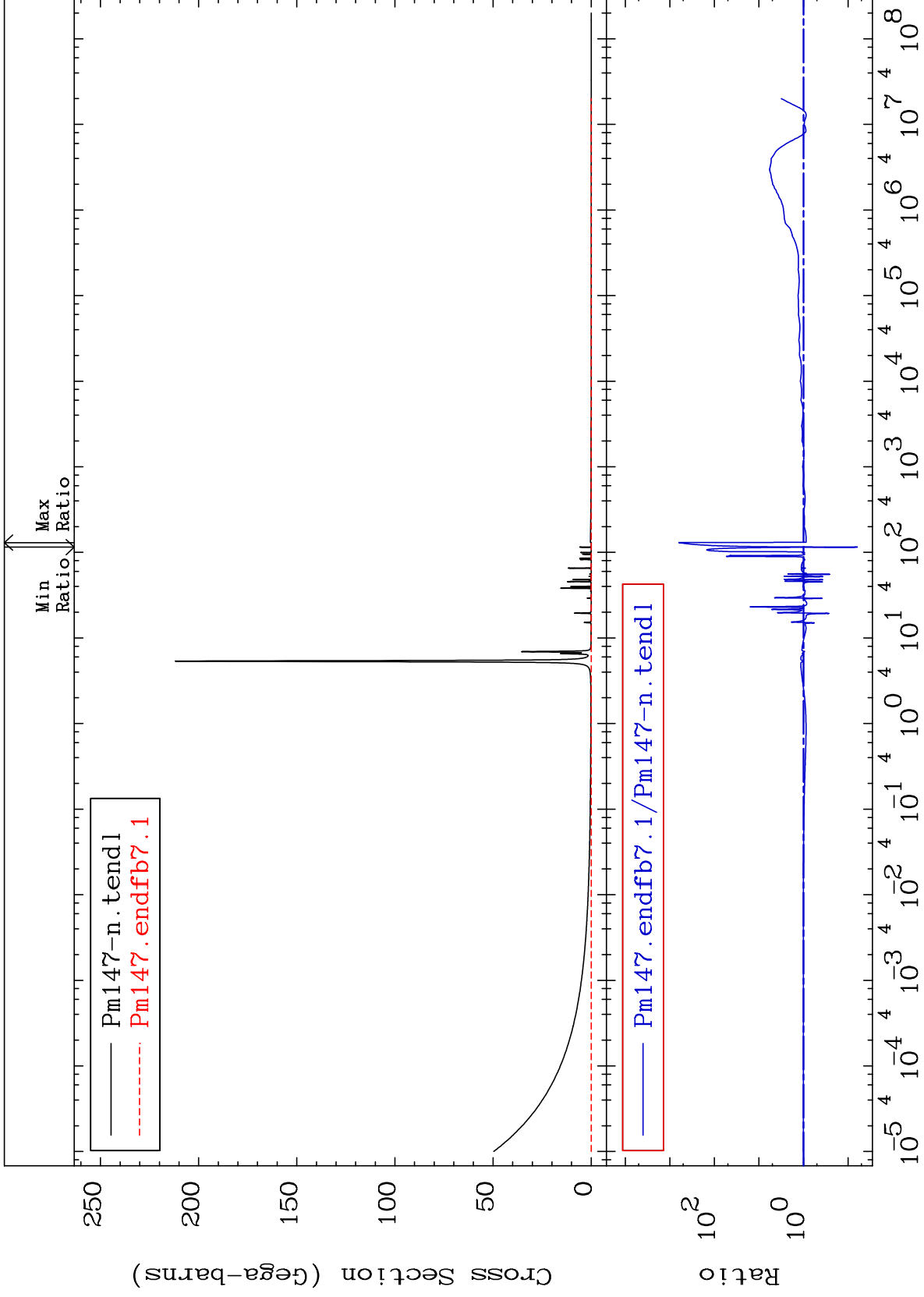
MAT 6149

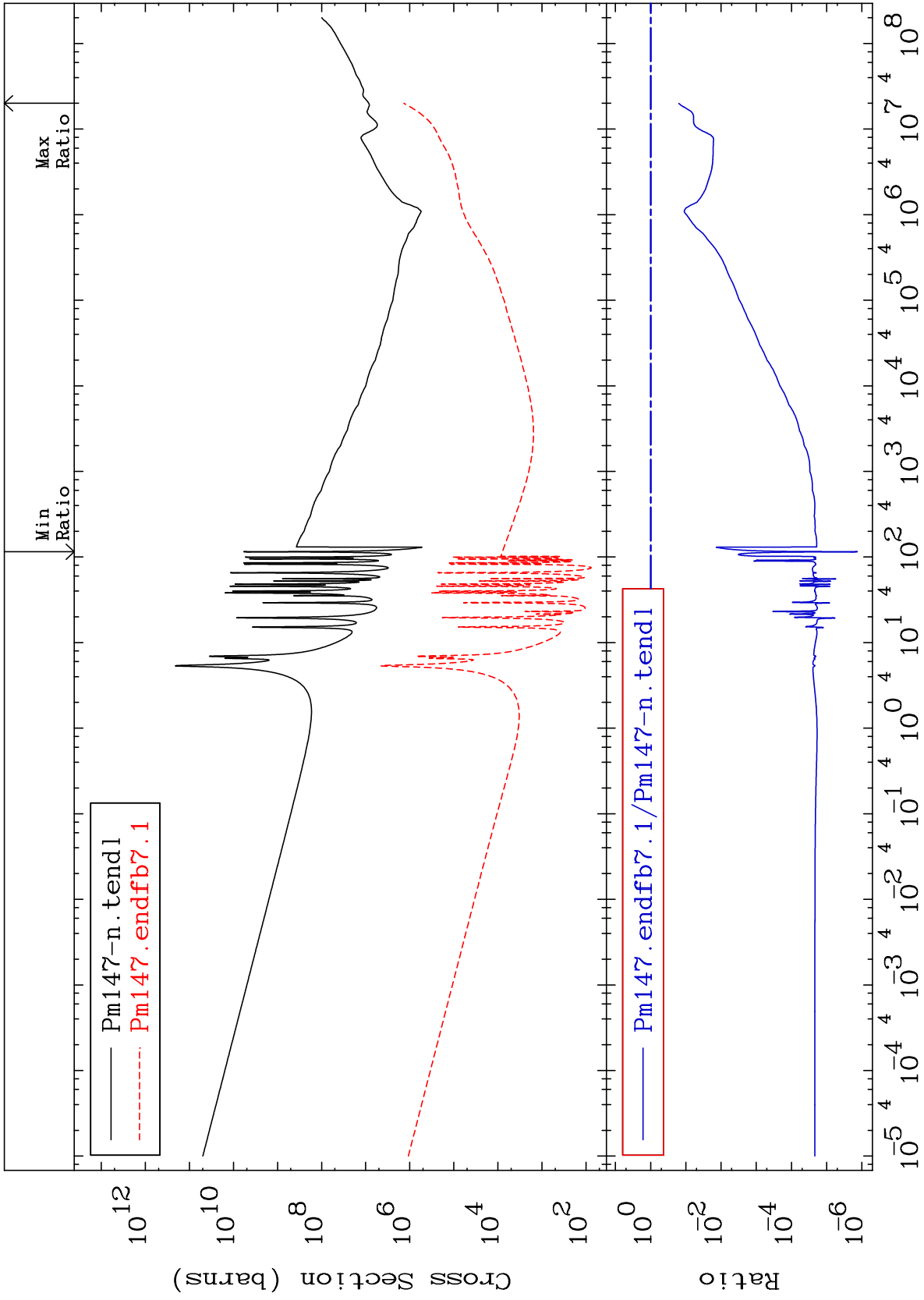
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

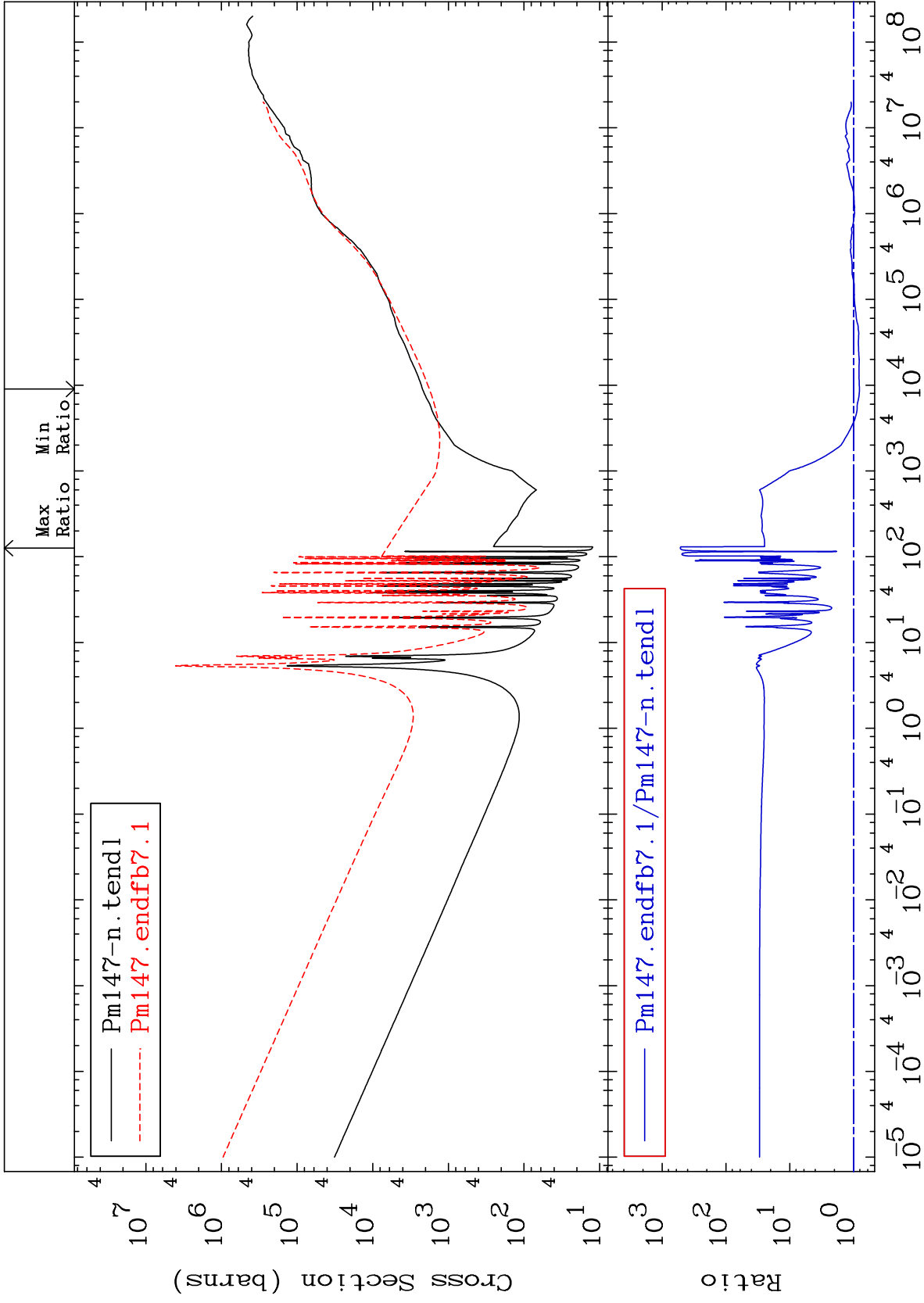
61-Pm-147
-75.97 To 9999. %







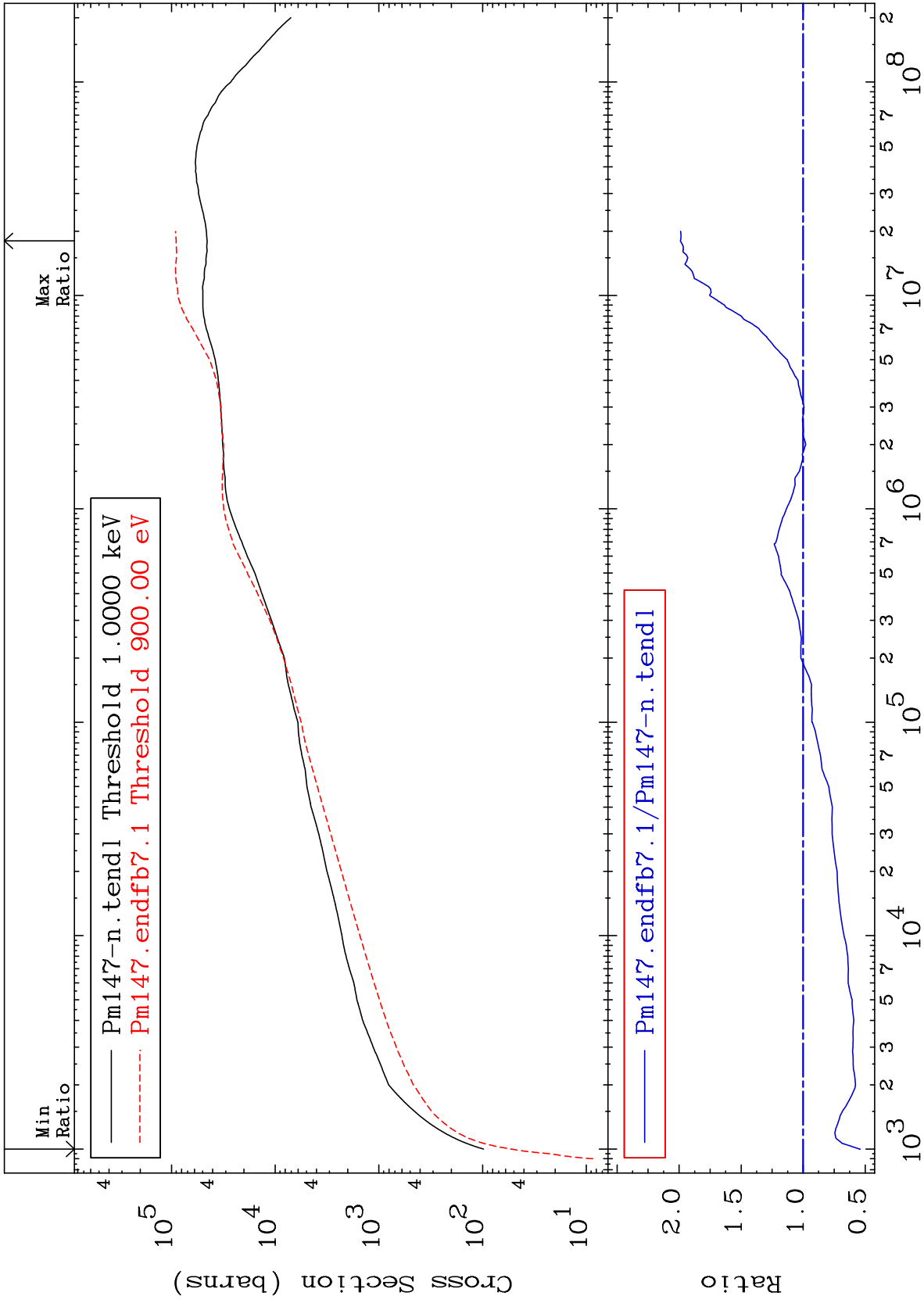




MAT 6149

Dpa elastic (mt2)
Cross Section

61-Pm-147
-45.37 To 98.99 %



37

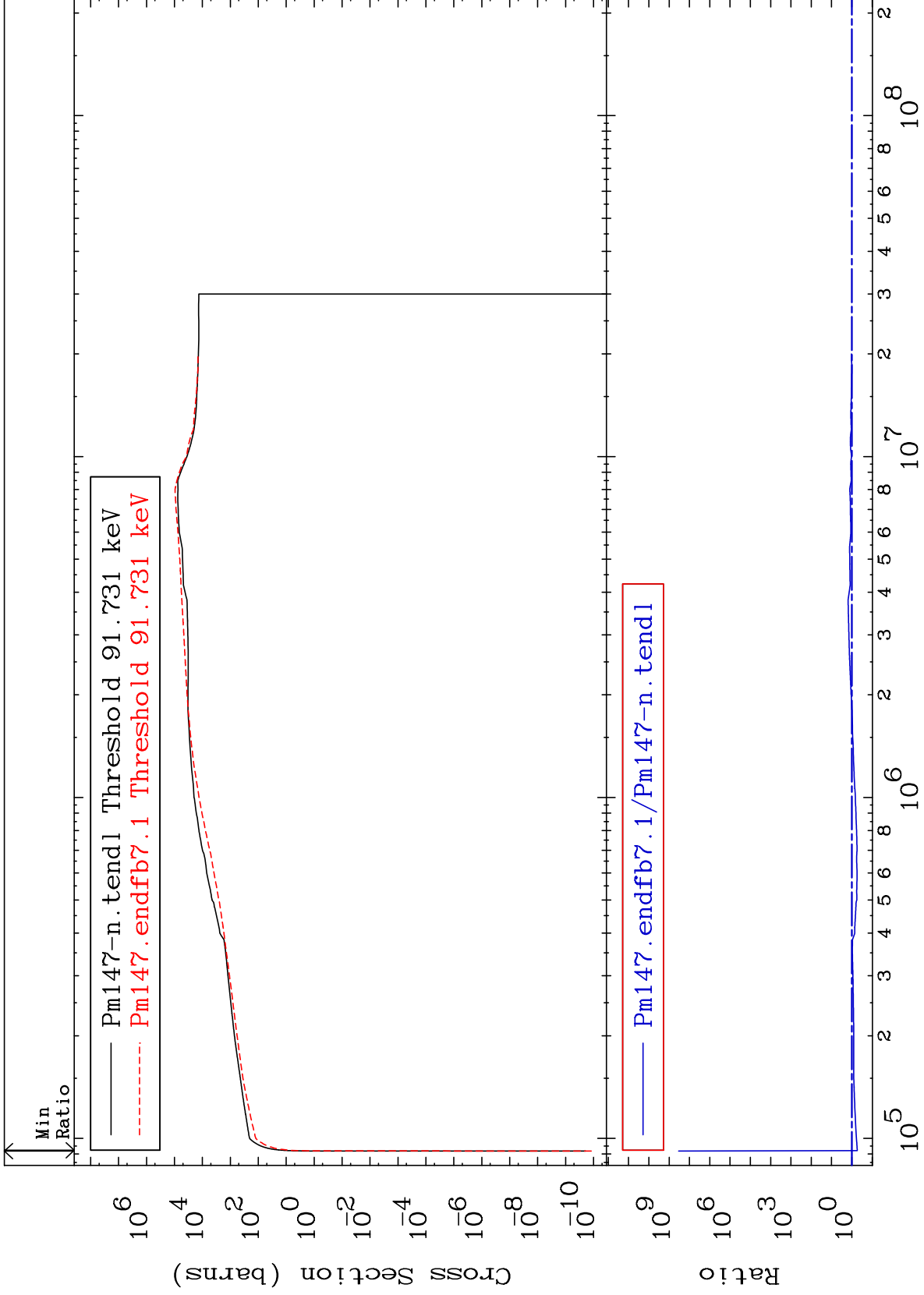
Incident Energy (eV)

61-Pm-147

MAT 6149

Dpa inelastic (mt51-91)
Cross Section

61-Pm-147
-45.97 To 9999. %



38

Incident Energy (eV)

61-Pm-147

