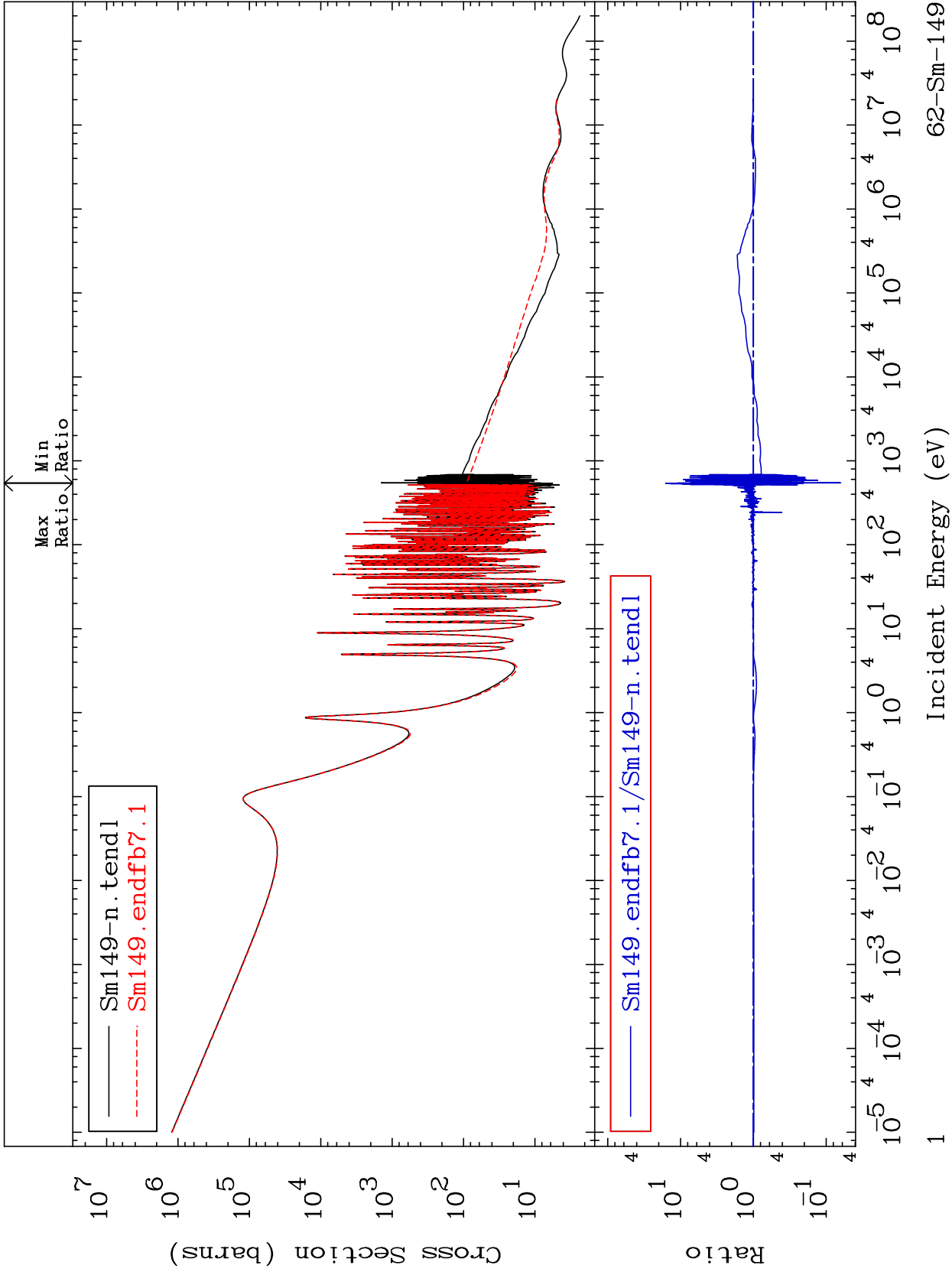


MAT 6240

Total Cross Section  
62-Sm-149  
-93.67 To 1512. %



62-Sm-149

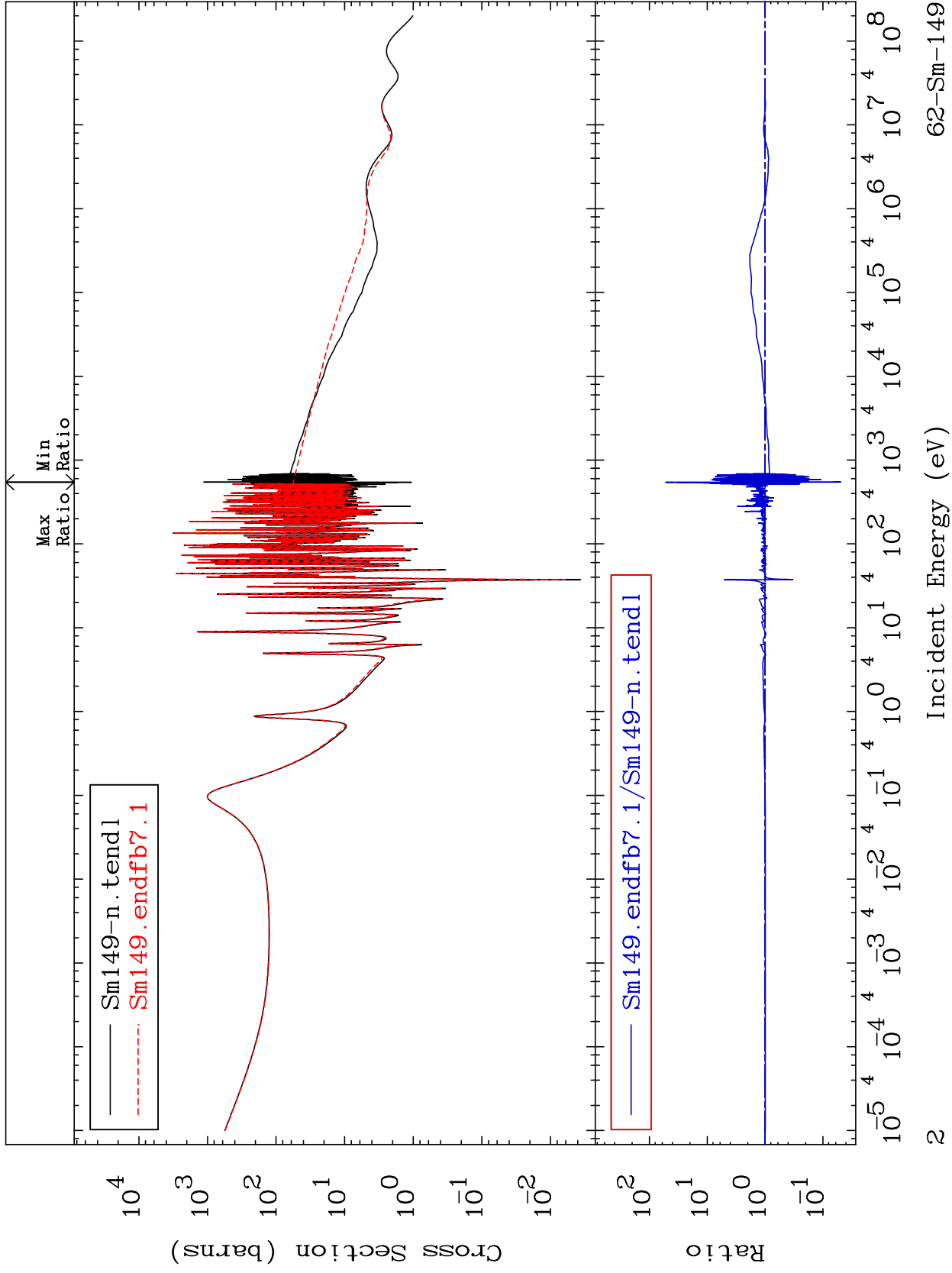
MAT 6240

Elastic

62-Sm-149

Cross Section

-95.09 To 5091. %



62-Sm-149

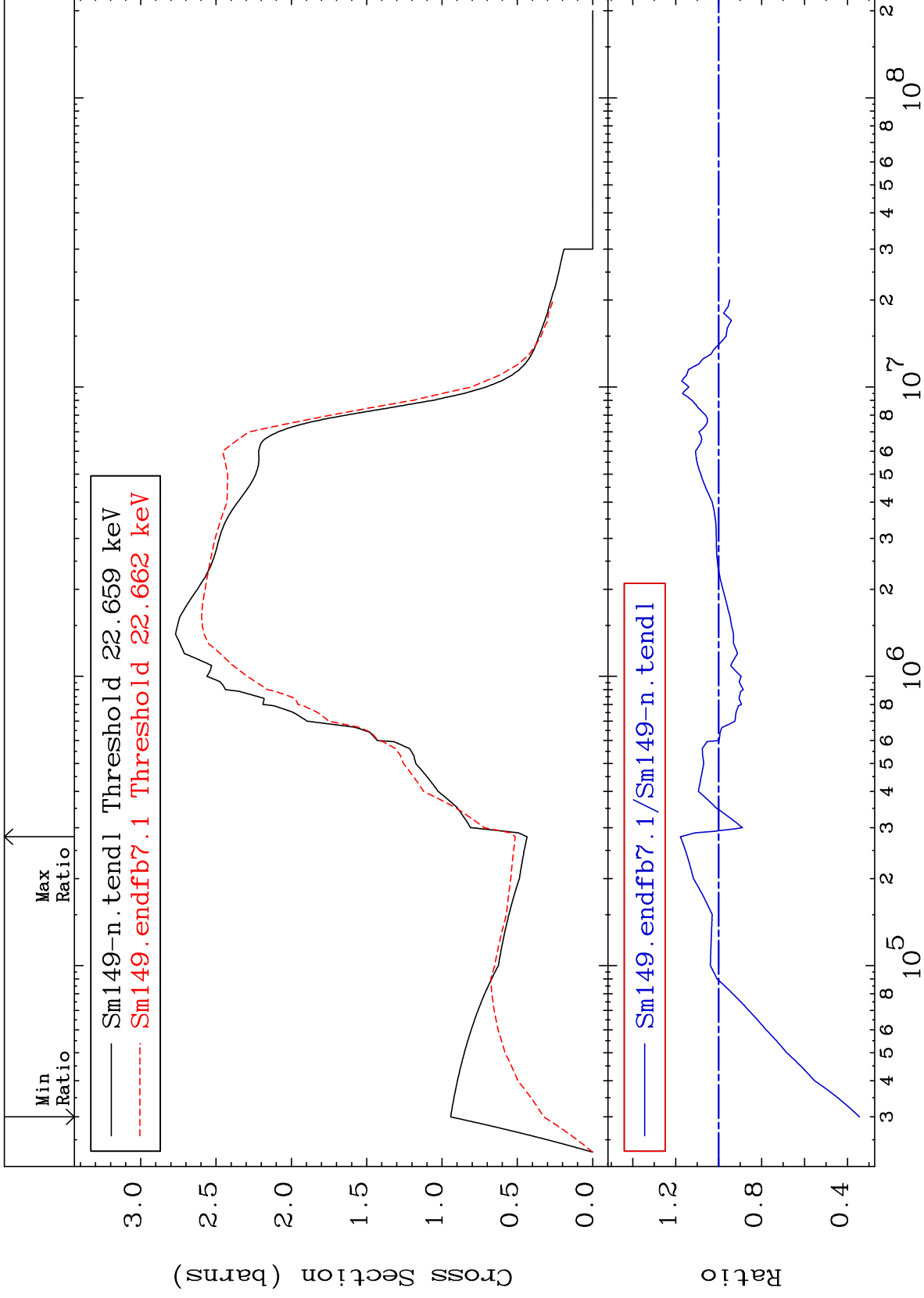
Incident Energy (eV)

2

MAT 6240

Inelastic  
Cross Section

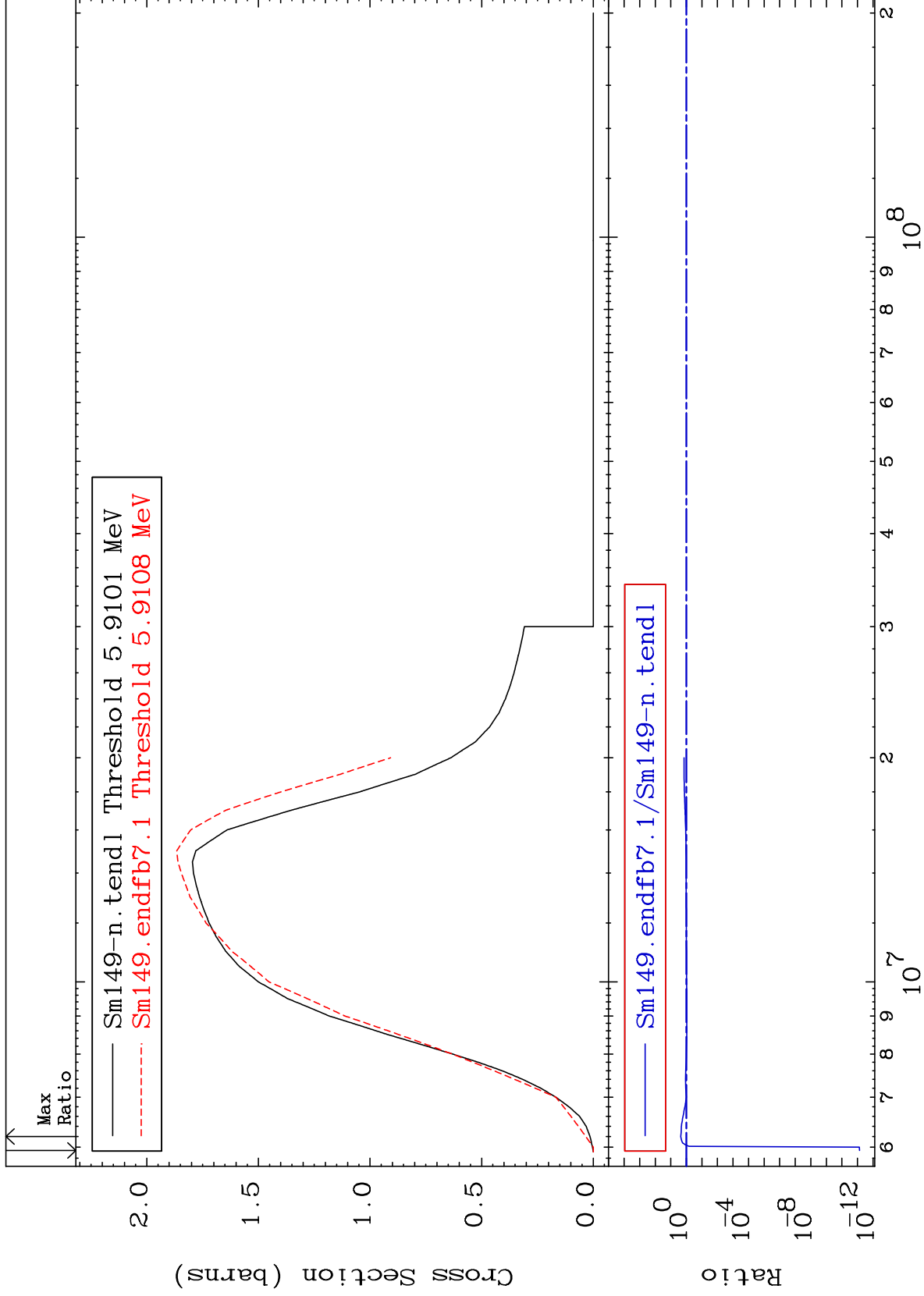
62-Sm-149  
-65.53 To 17.84 %



MAT 6240

(n,2n)  
Cross Section

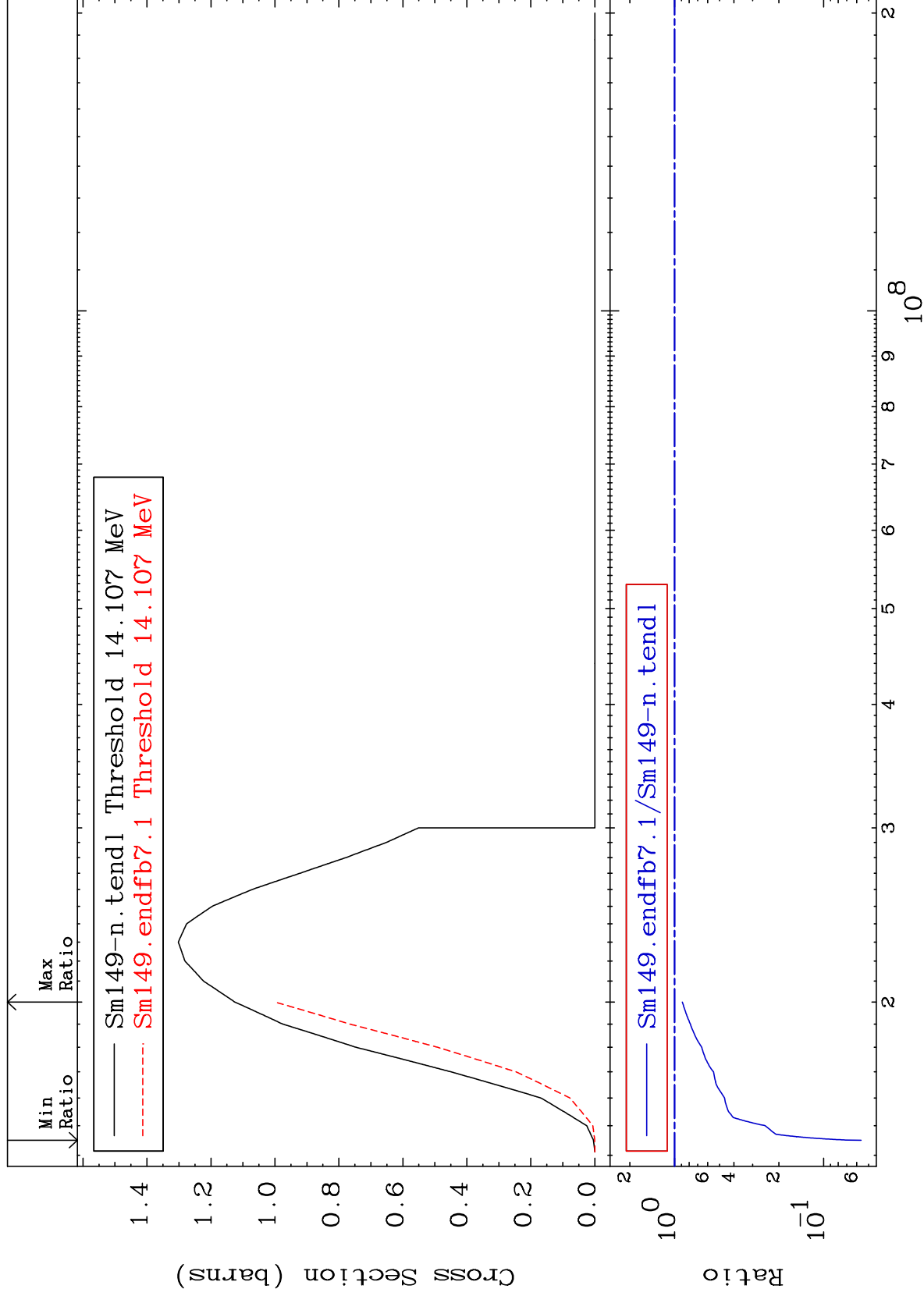
62-Sm-149  
-100.0 To 128.2 %



MAT 6240

(n,3n)  
Cross Section

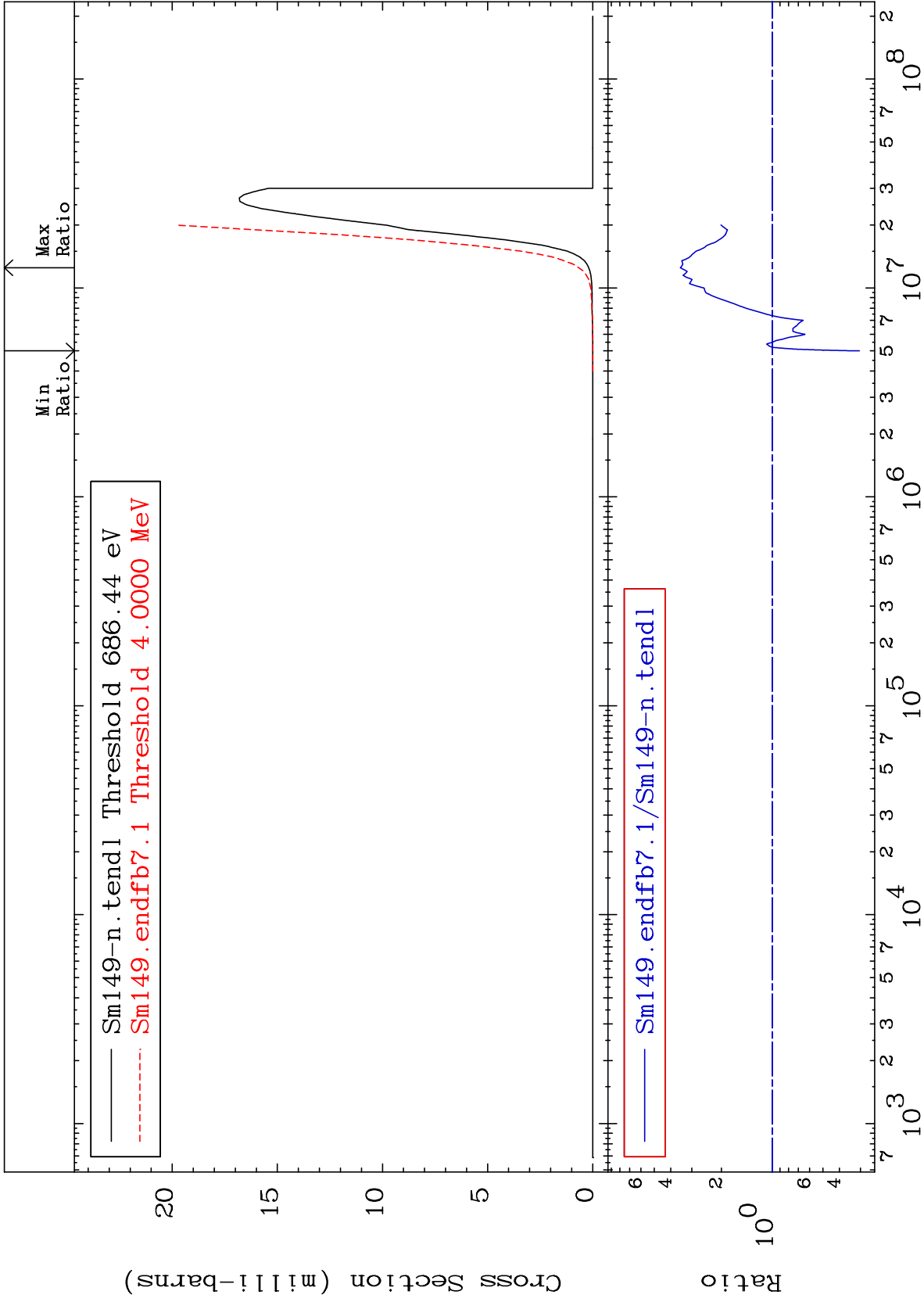
62-Sm-149  
-94.39 To -11.21%



MAT 6240

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

62-Sm-149  
-69.58 To 250.6 %



6

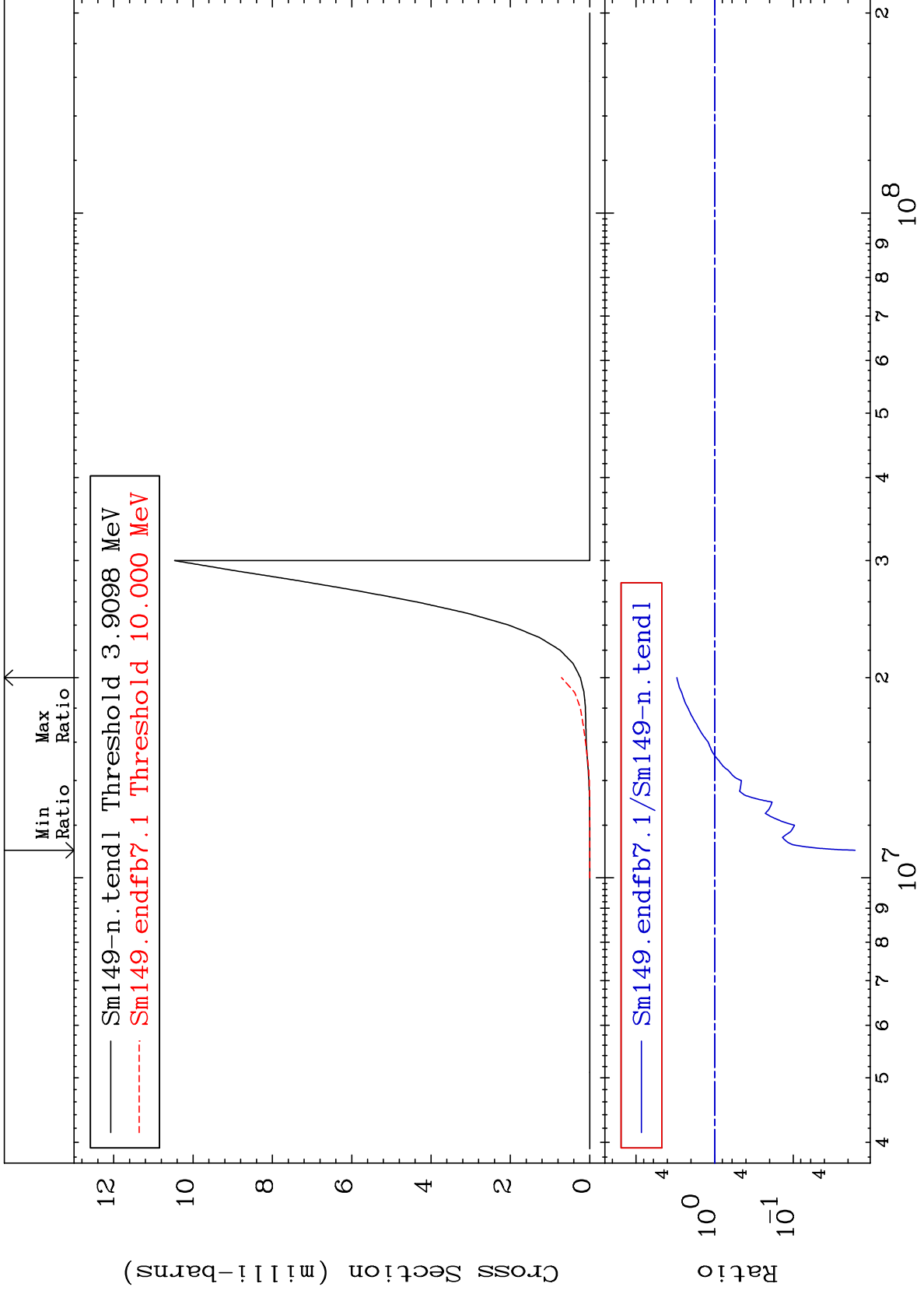
Incident Energy (eV)

62-Sm-149

MAT 6240

(n,2n)  $\alpha$   
Cross Section

62-Sm-149  
-98.37 To 202.0 %



7

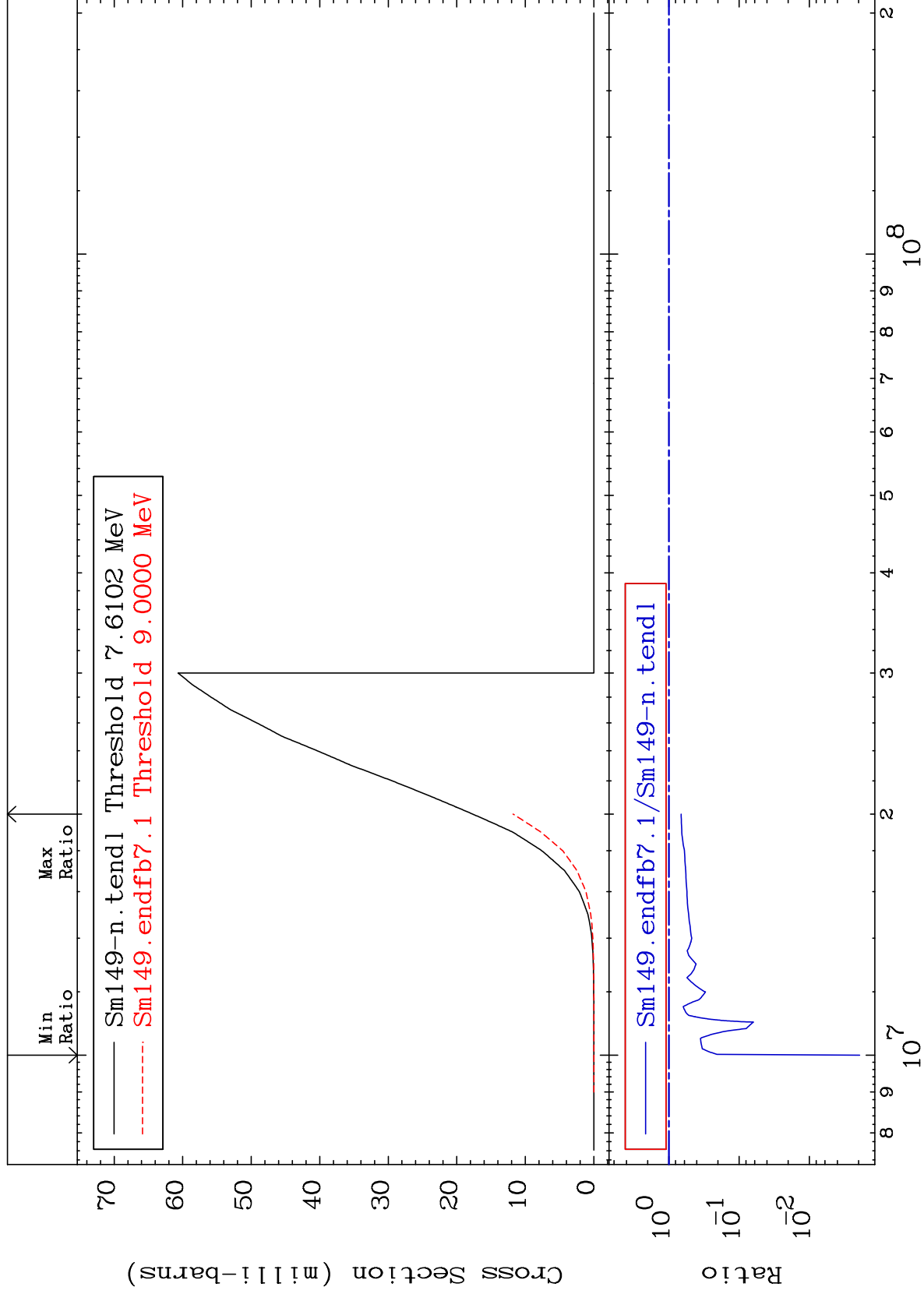
Incident Energy (eV)

62-Sm-149

MAT 6240

(n, n') p  
Cross Section

62-Sm-149  
-99.81 To -33.38%



8

Incident Energy (eV)

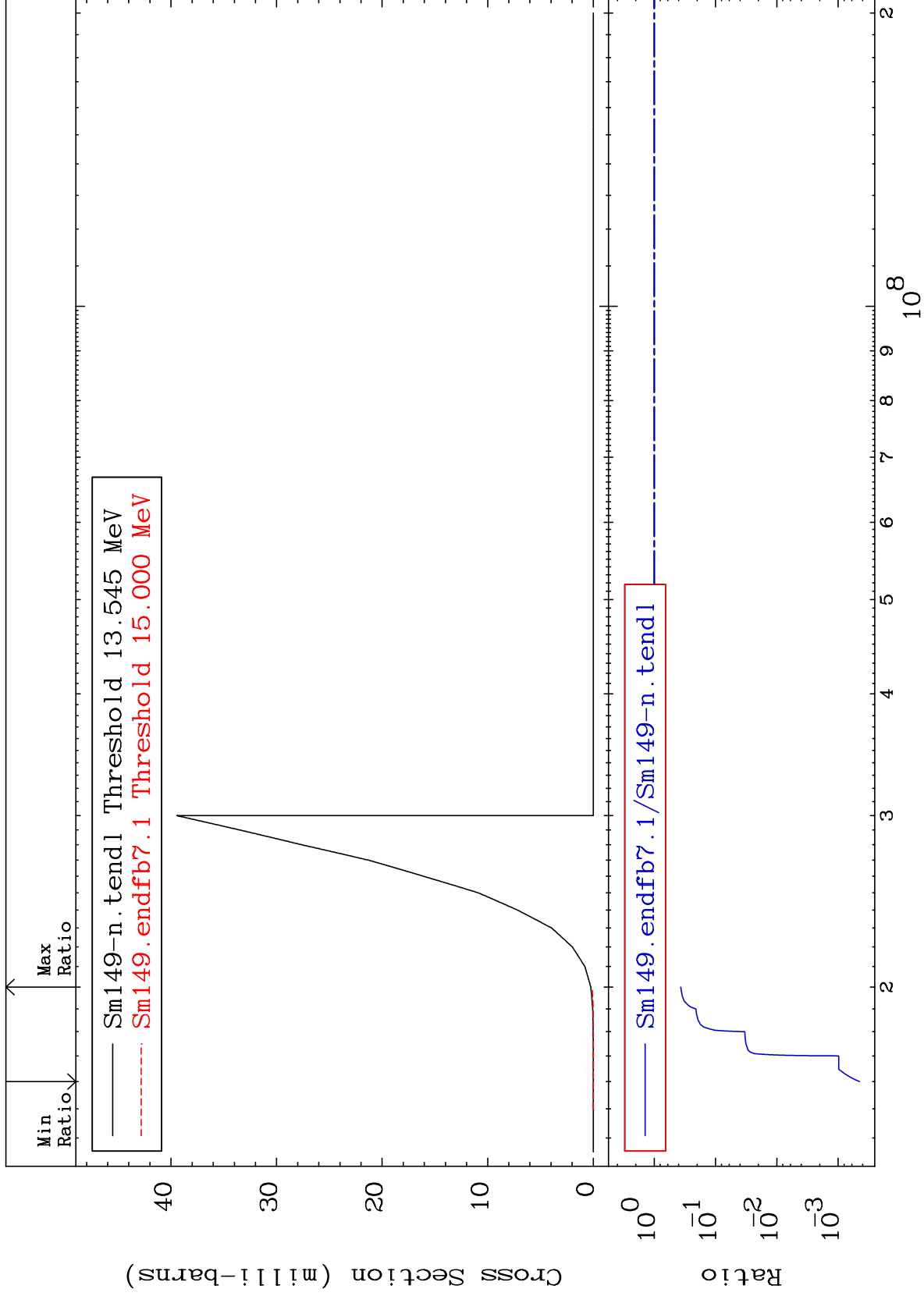
62-Sm-149



MAT 6240

(n,2n) p  
Cross Section

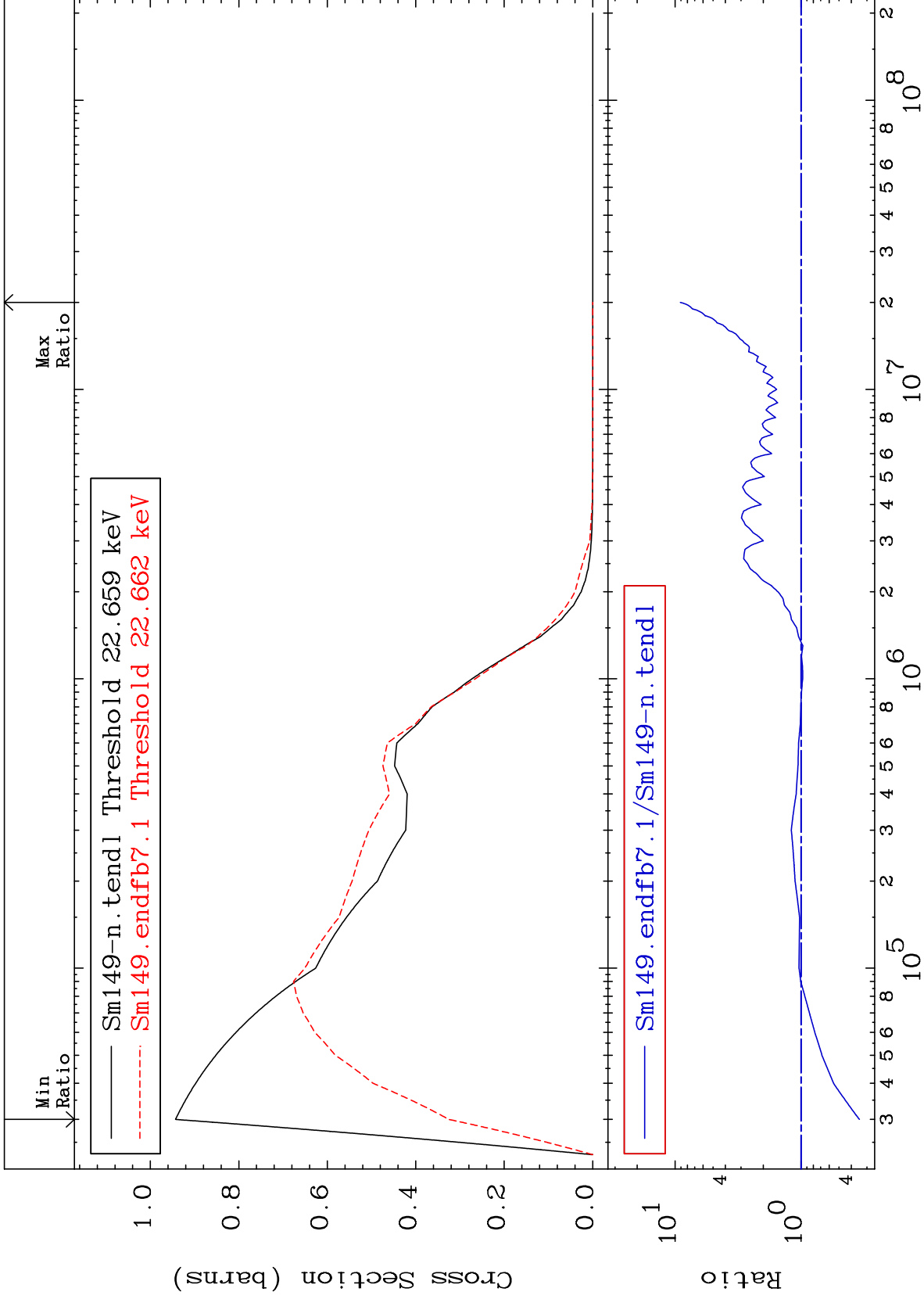
62-Sm-149  
-99.96 To -63.05%



MAT 6240

22.51 keV (n,n') Level  
Cross Section

62-Sm-149  
-65.53 To 808.9 %



10

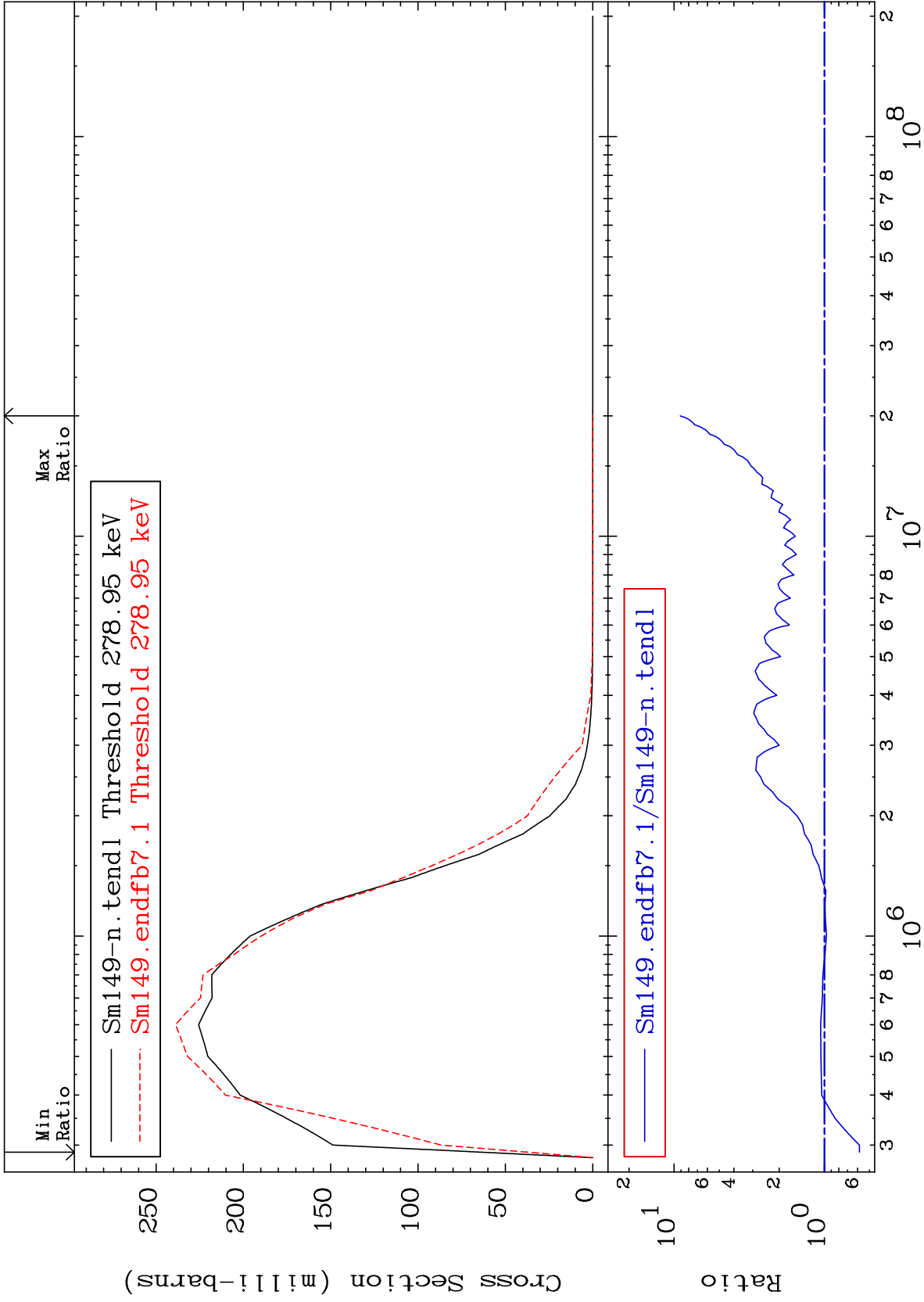
Incident Energy (eV)

62-Sm-149

MAT 6240

277.1 keV (n,n') Level  
Cross Section

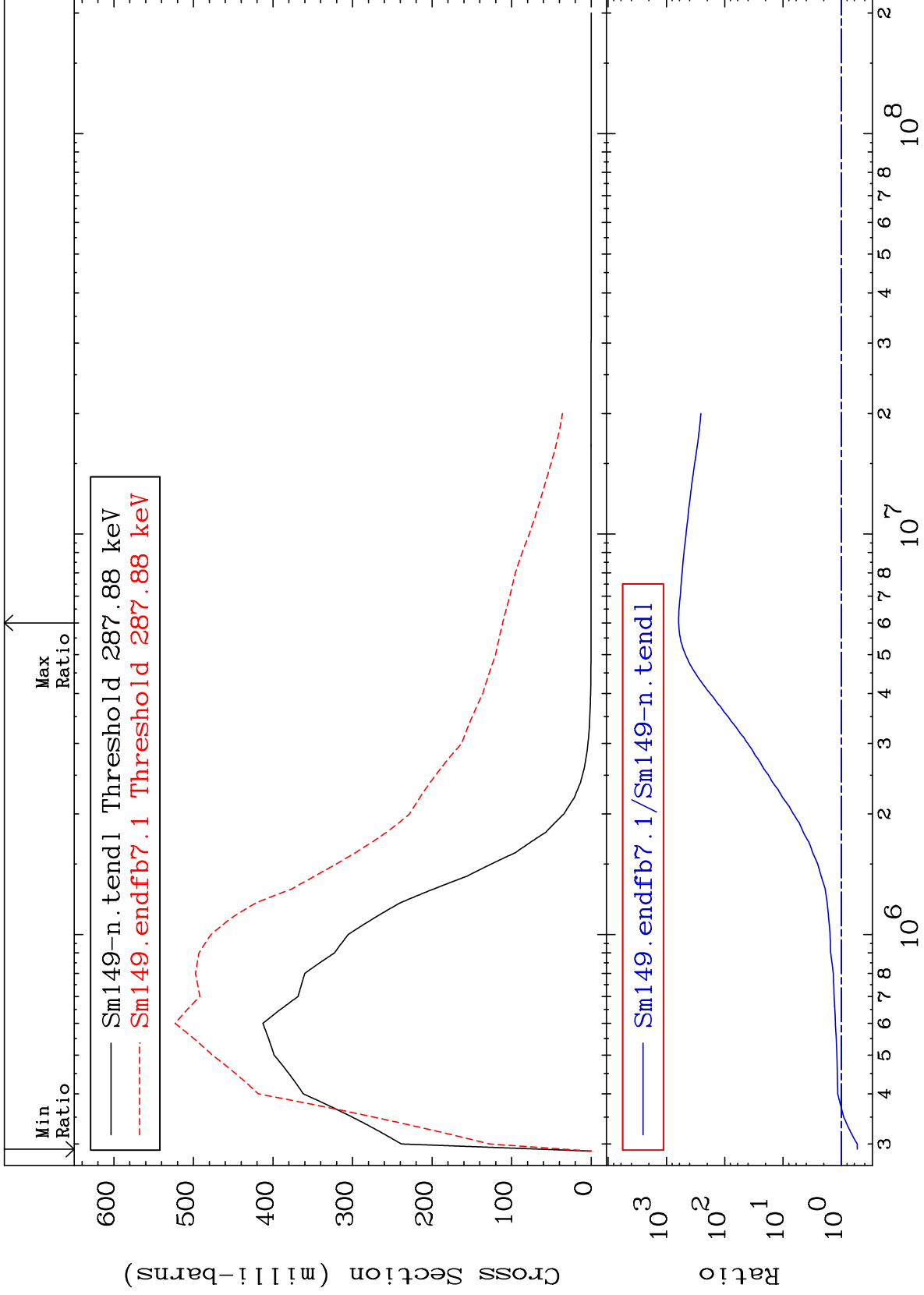
62-Sm-149  
-41.62 To 809.4 %



MAT 6240

285.9 keV (n,n') Level  
Cross Section

62-Sm-149  
-46.47 To 9999. %



12

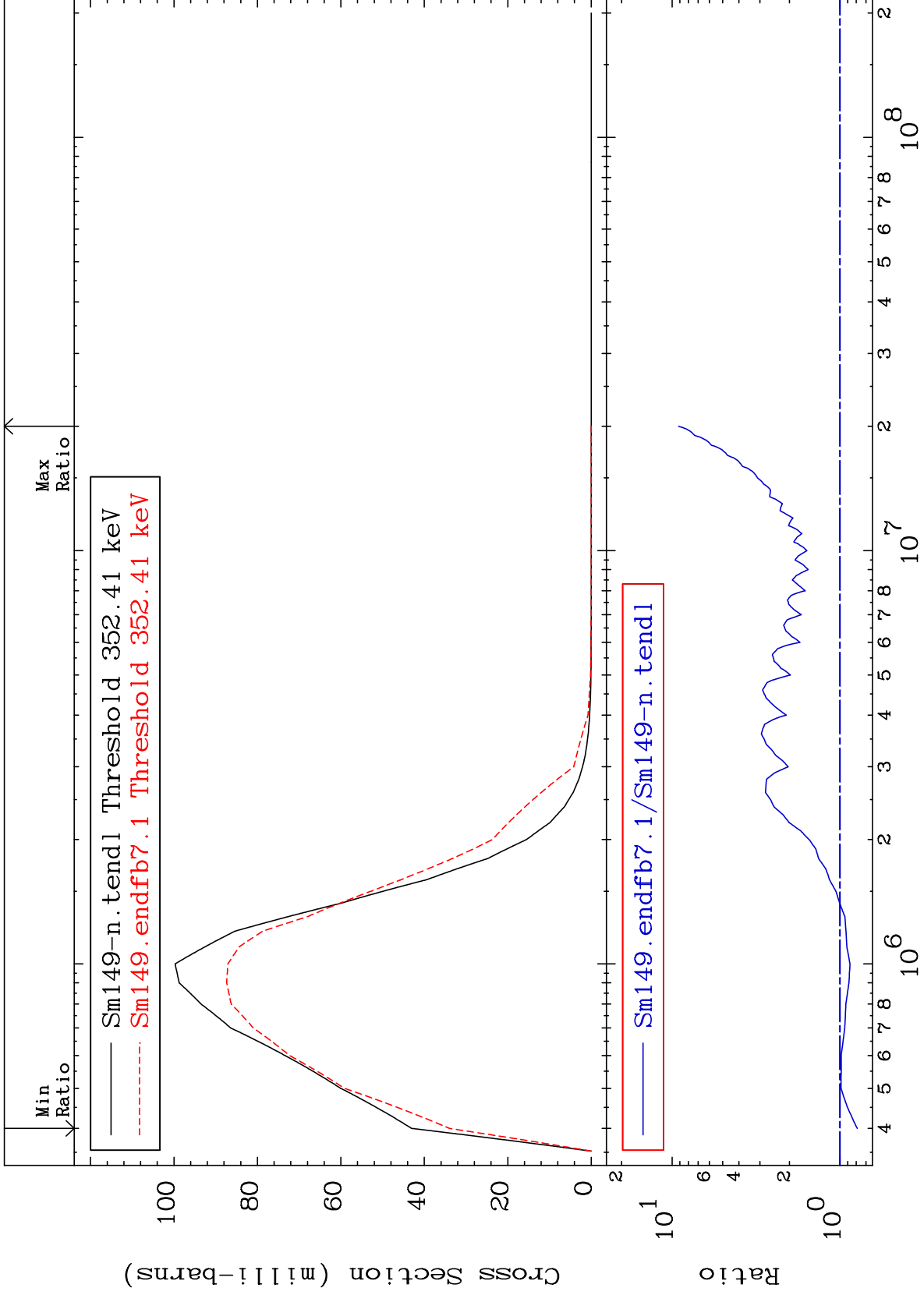
Incident Energy (eV)

62-Sm-149

MAT 6240

350.0 keV (n,n') Level  
Cross Section

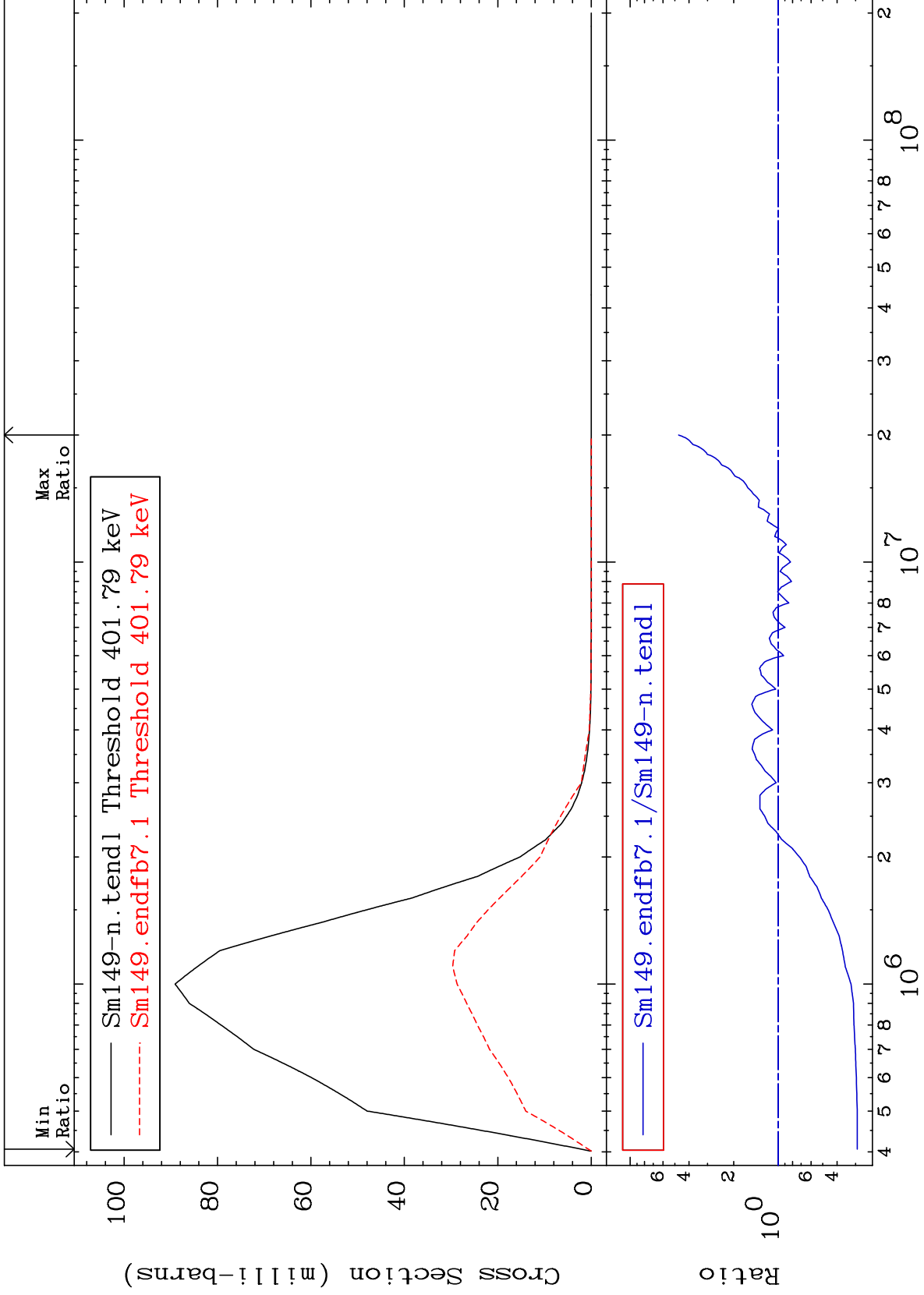
62-Sm-149  
-21.03 To 814.6 %



MAT 6240

399.1 keV (n,n') Level  
Cross Section

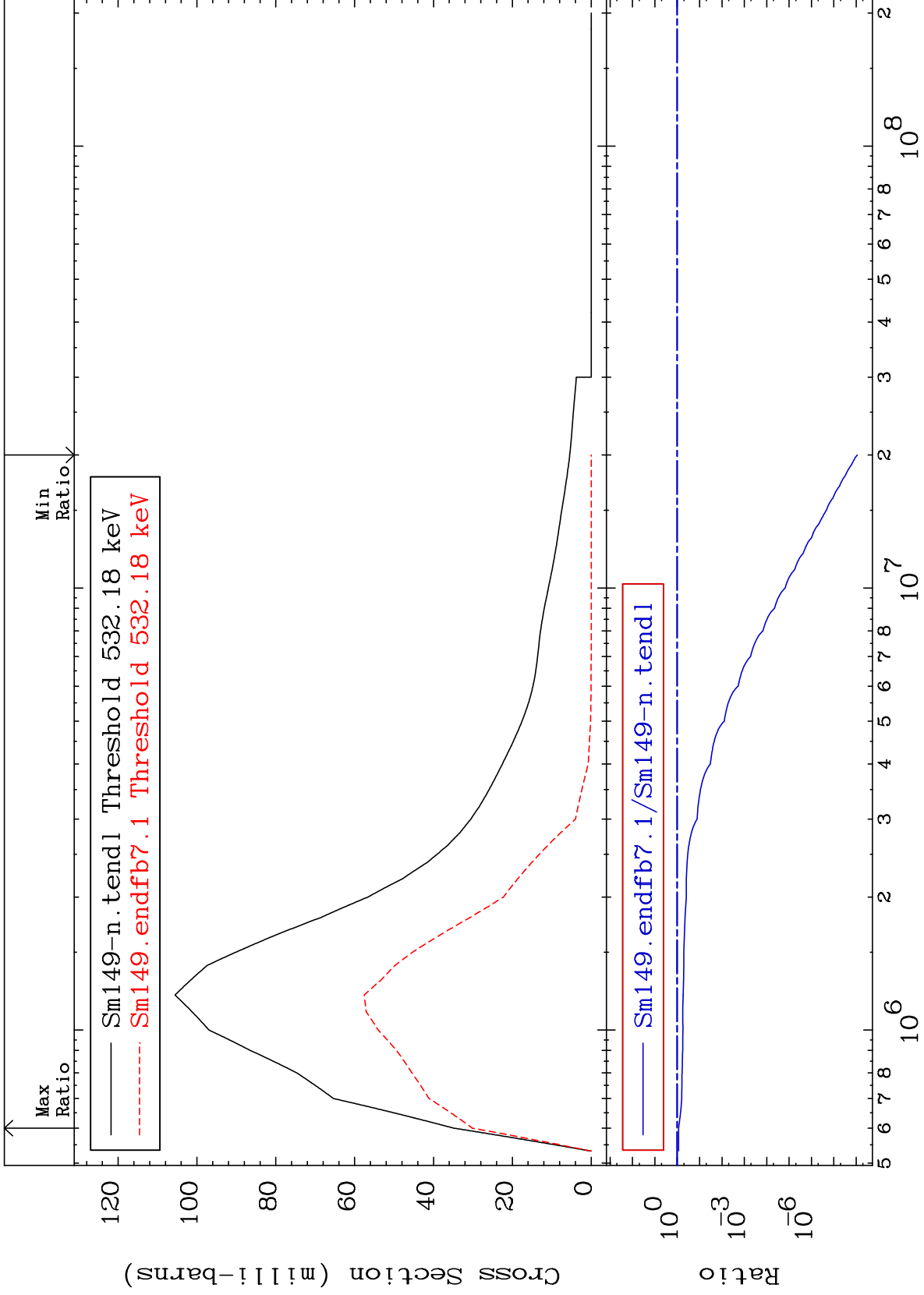
62-Sm-149  
-70.79 To 370.7 %



MAT 6240

528.6 keV (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To -13.66%



15

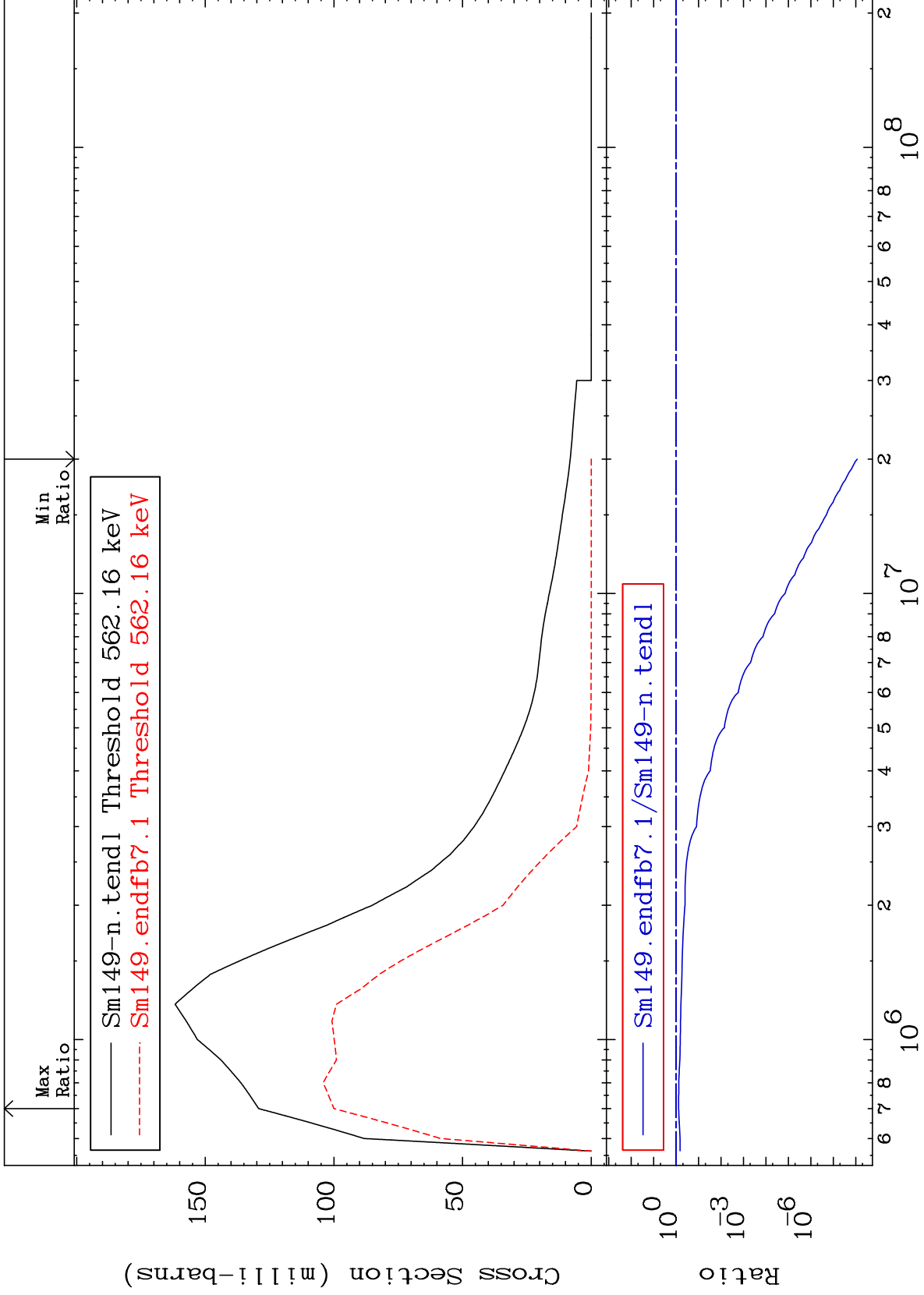
Incident Energy (eV)

62-Sm-149

MAT 6240

558.4 keV (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To -22.62%



16

Incident Energy (eV)

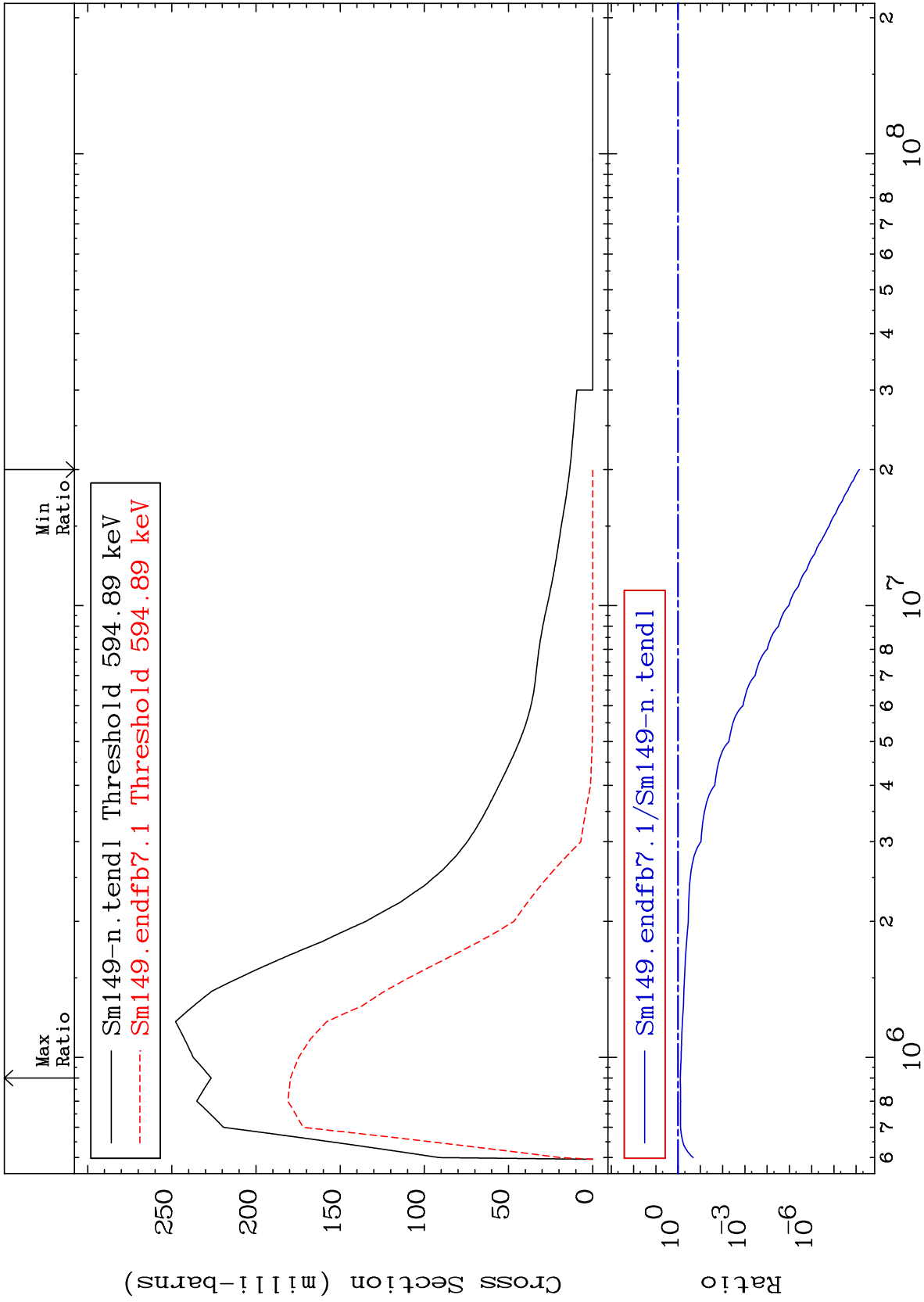
62-Sm-149



MAT 6240

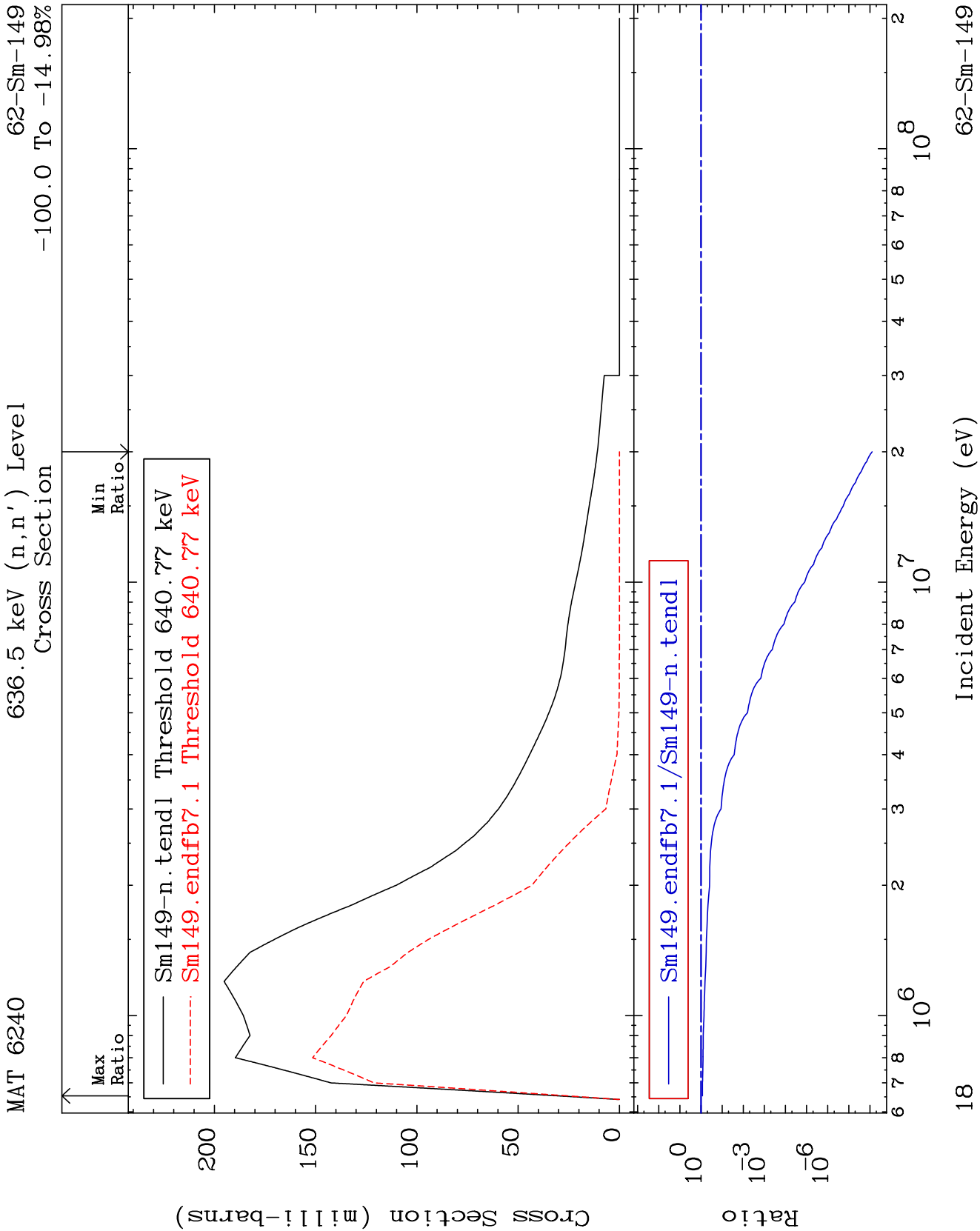
590.9 keV (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To -20.78%



17

62-Sm-149



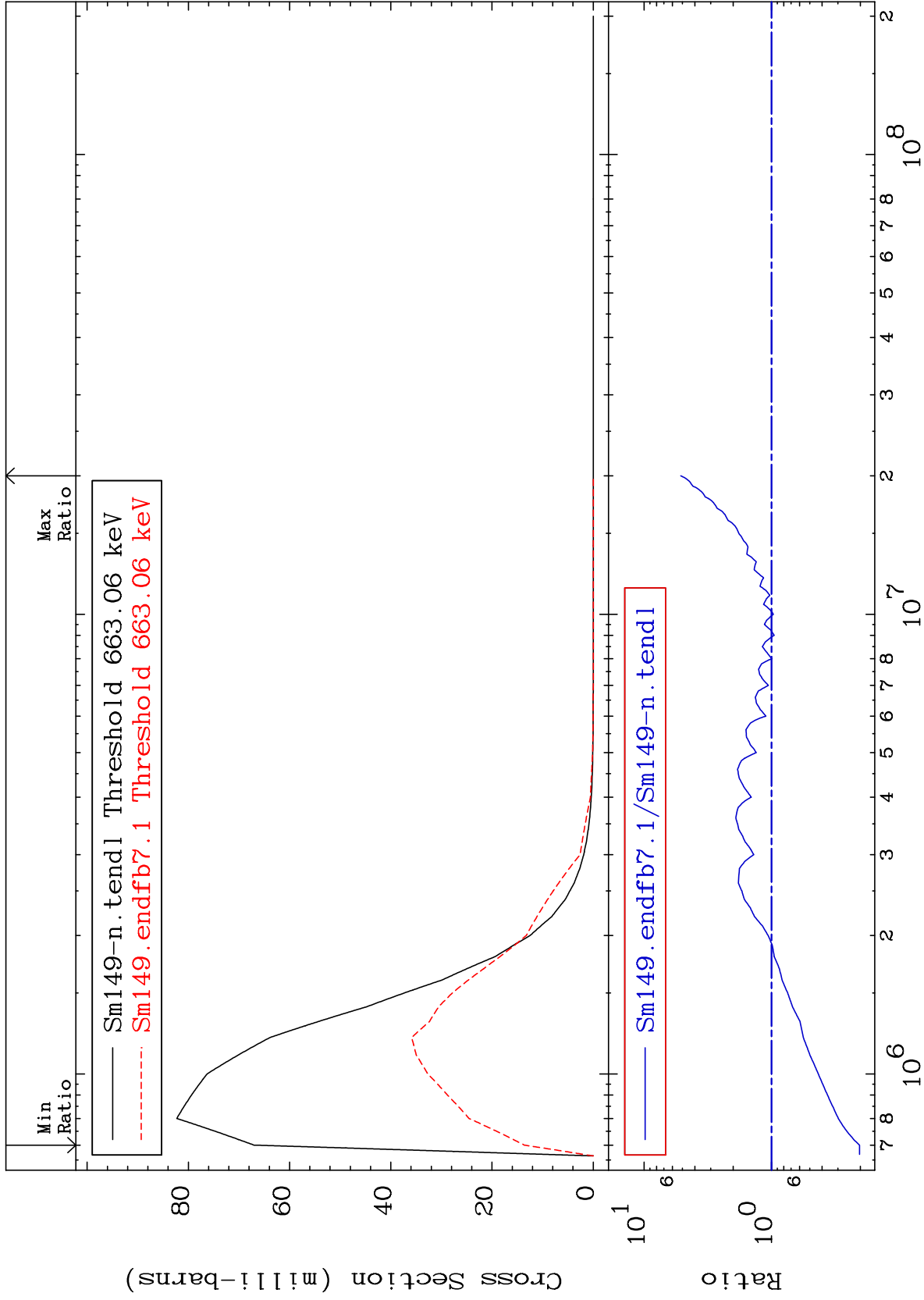
MAT 6240

658.6 keV (n,n') Level

62-Sm-149

-79.69 To 415.6 %

Cross Section



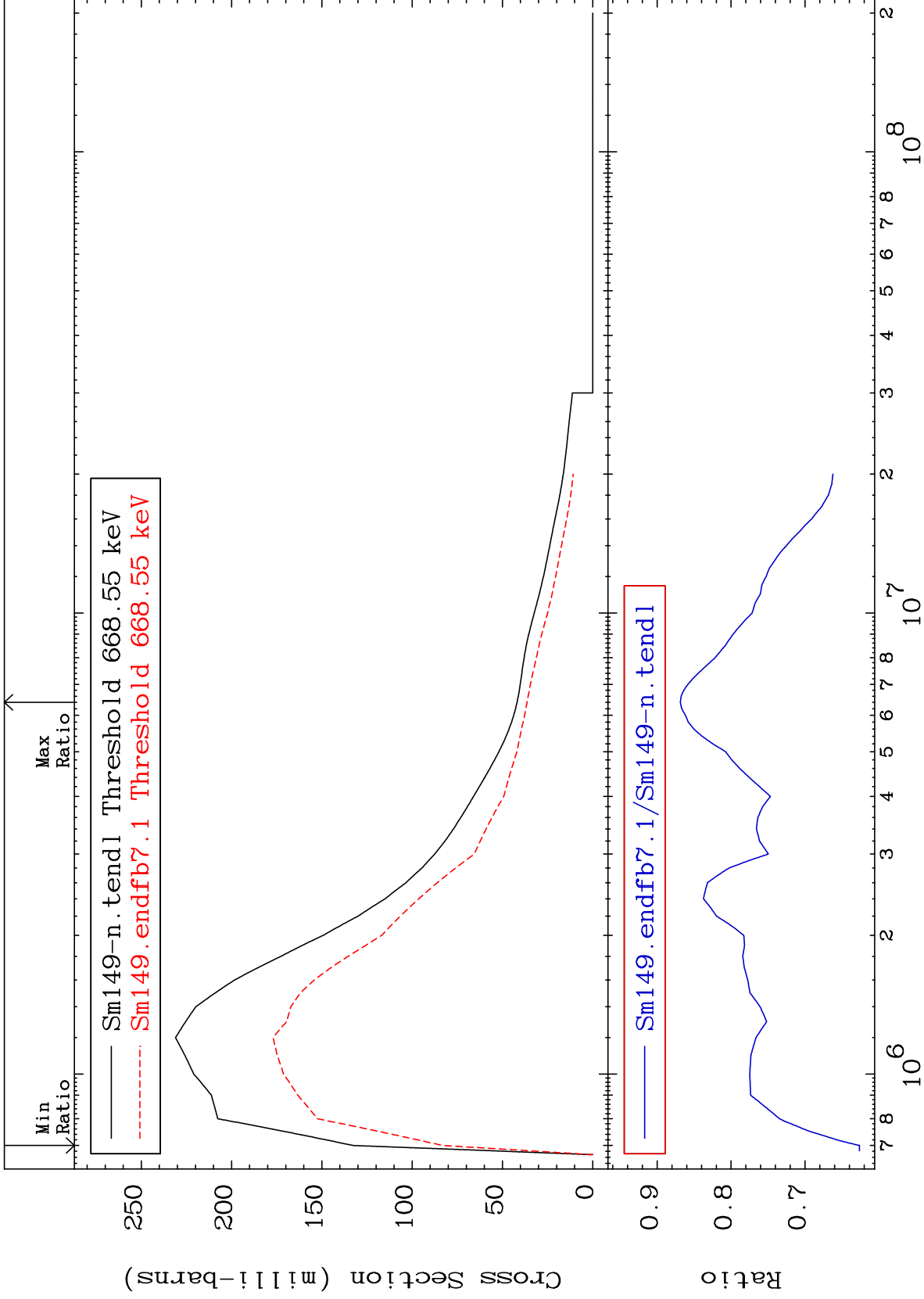
19

62-Sm-149

MAT 6240

664.1 keV (n,n') Level  
Cross Section

62-Sm-149  
-37.36 To -13.14%



20

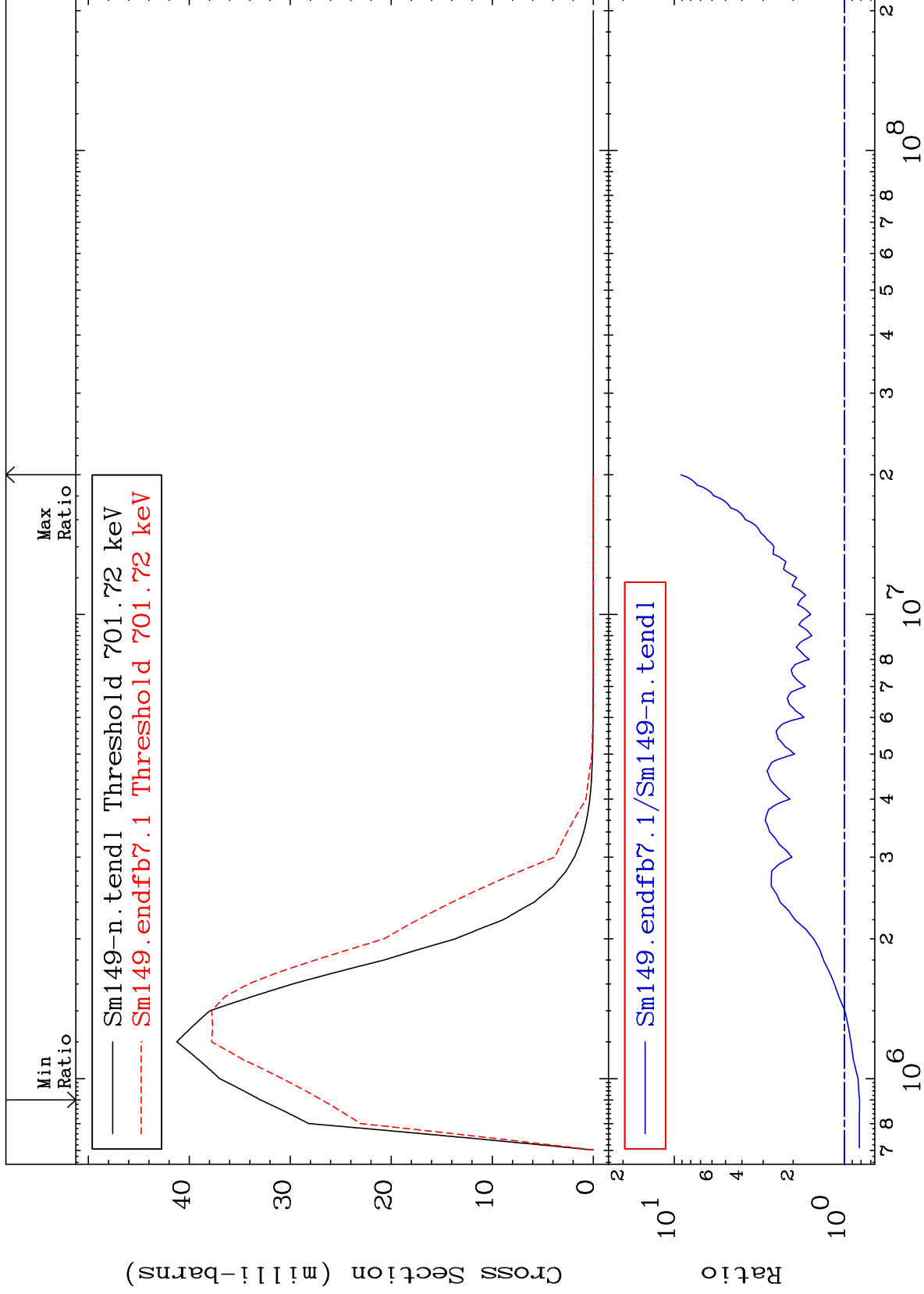
Incident Energy (eV)

62-Sm-149

MAT 6240

697.0 keV (n,n') Level  
Cross Section

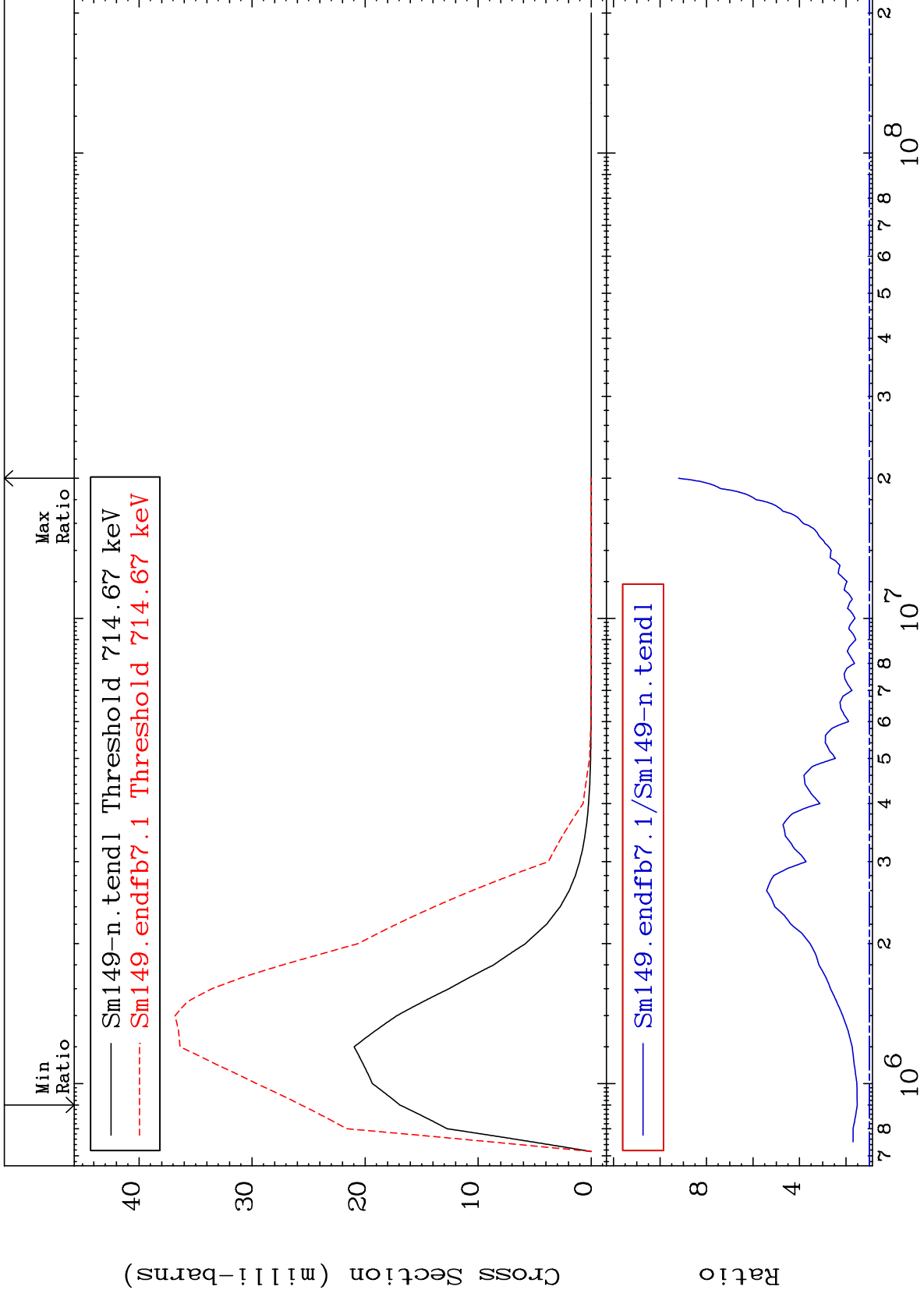
62-Sm-149  
-18.46 To 815.4 %



MAT 6240

709.9 keV (n,n') Level  
Cross Section

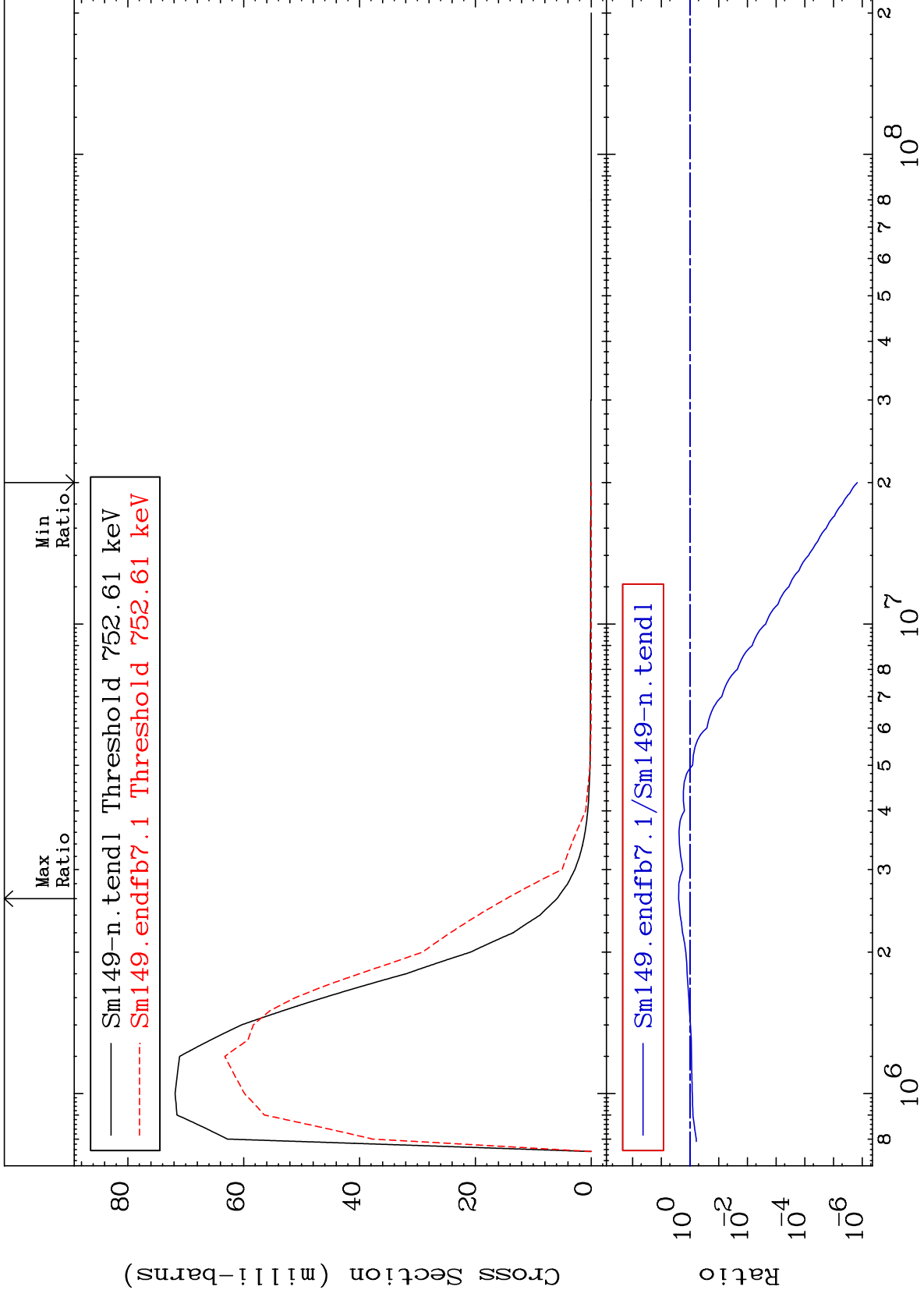
62-Sm-149  
51.52 To 820.1 %



MAT 6240

747.6 keV (n,n') Level  
Cross Section

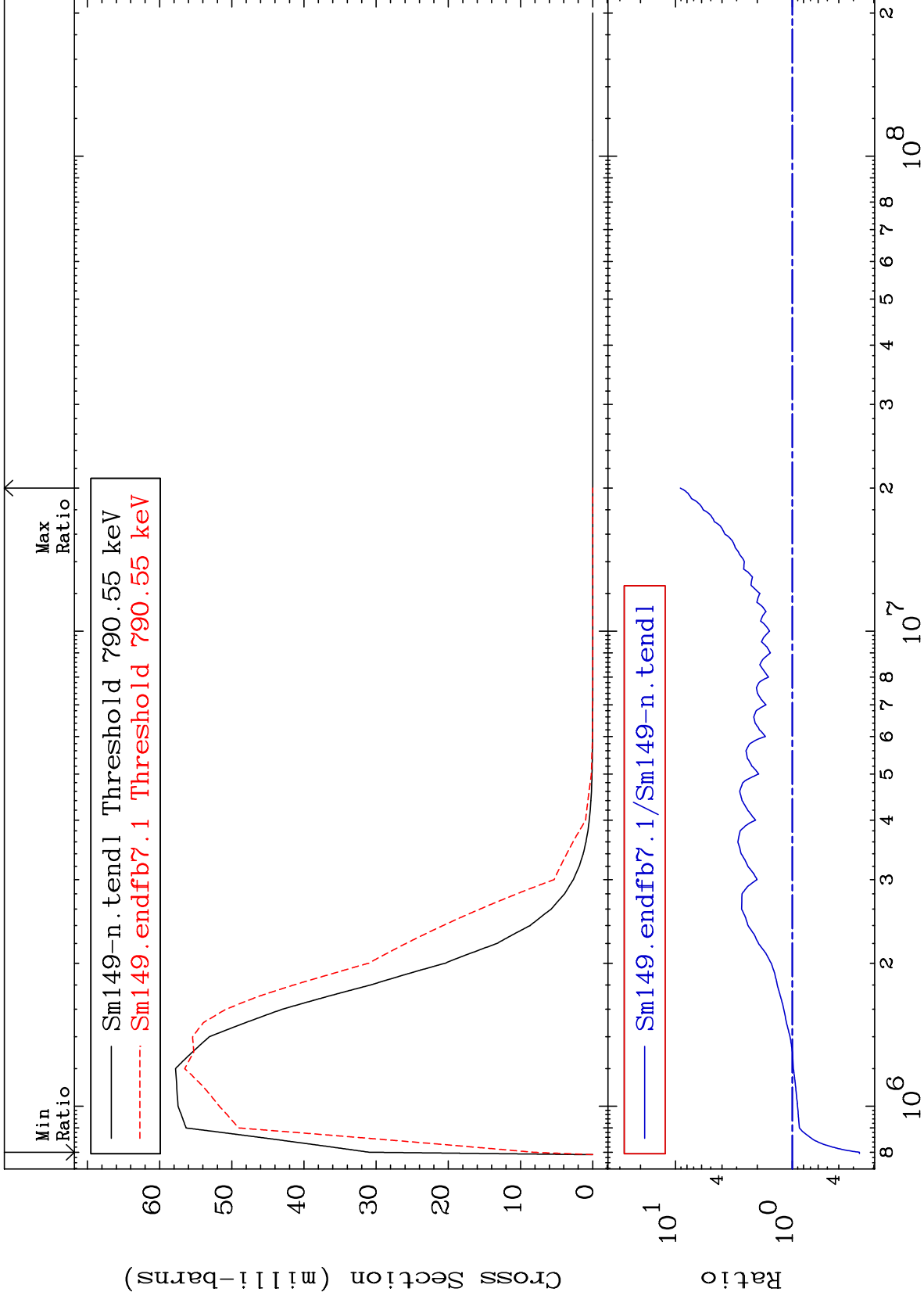
62-Sm-149  
-100.0 To 148.3 %



MAT 6240

785.2 keV (n,n') Level  
Cross Section

62-Sm-149  
-73.43 To 810.4 %

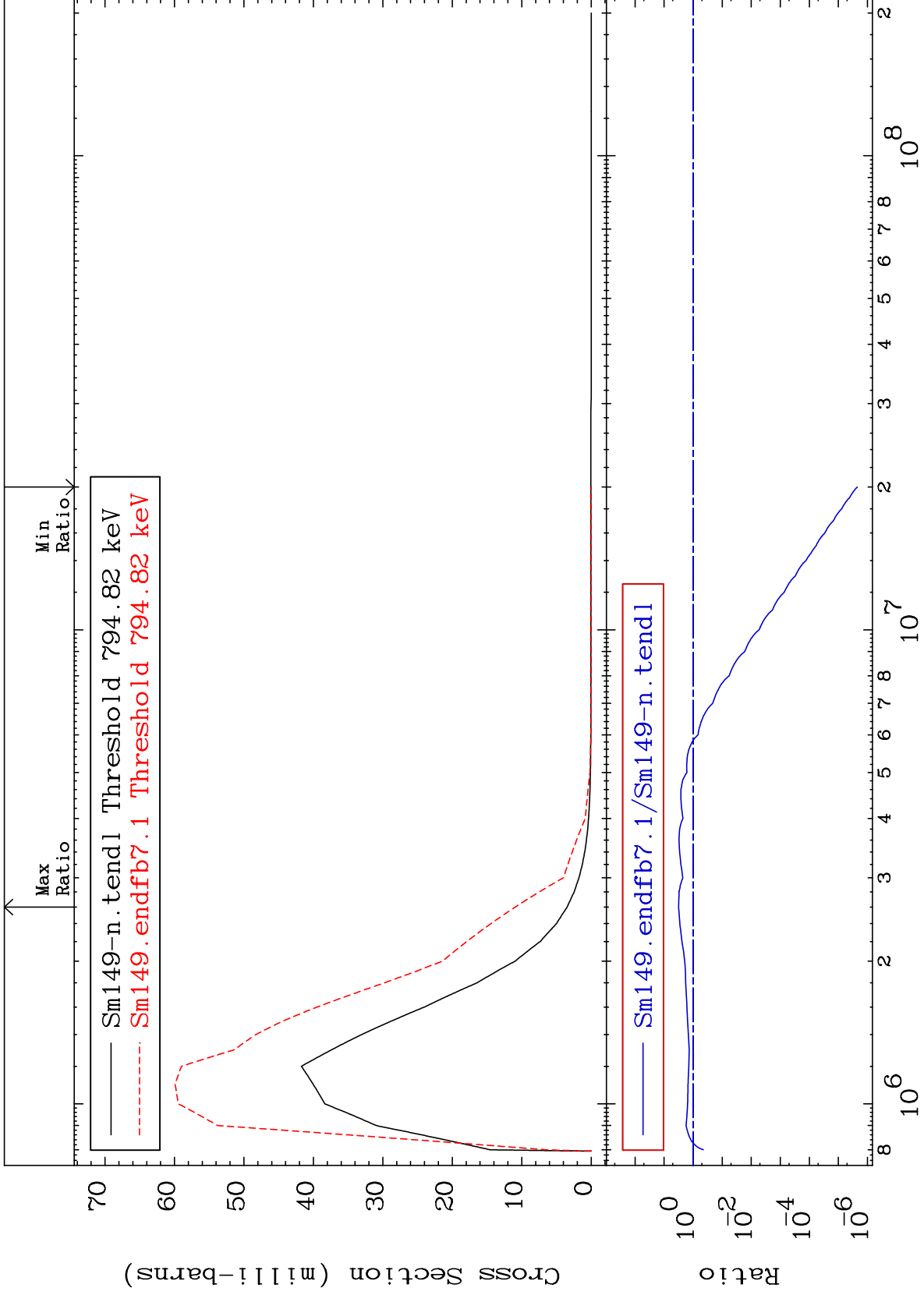




MAT 6240

789.5 keV (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To 215.5 %



25

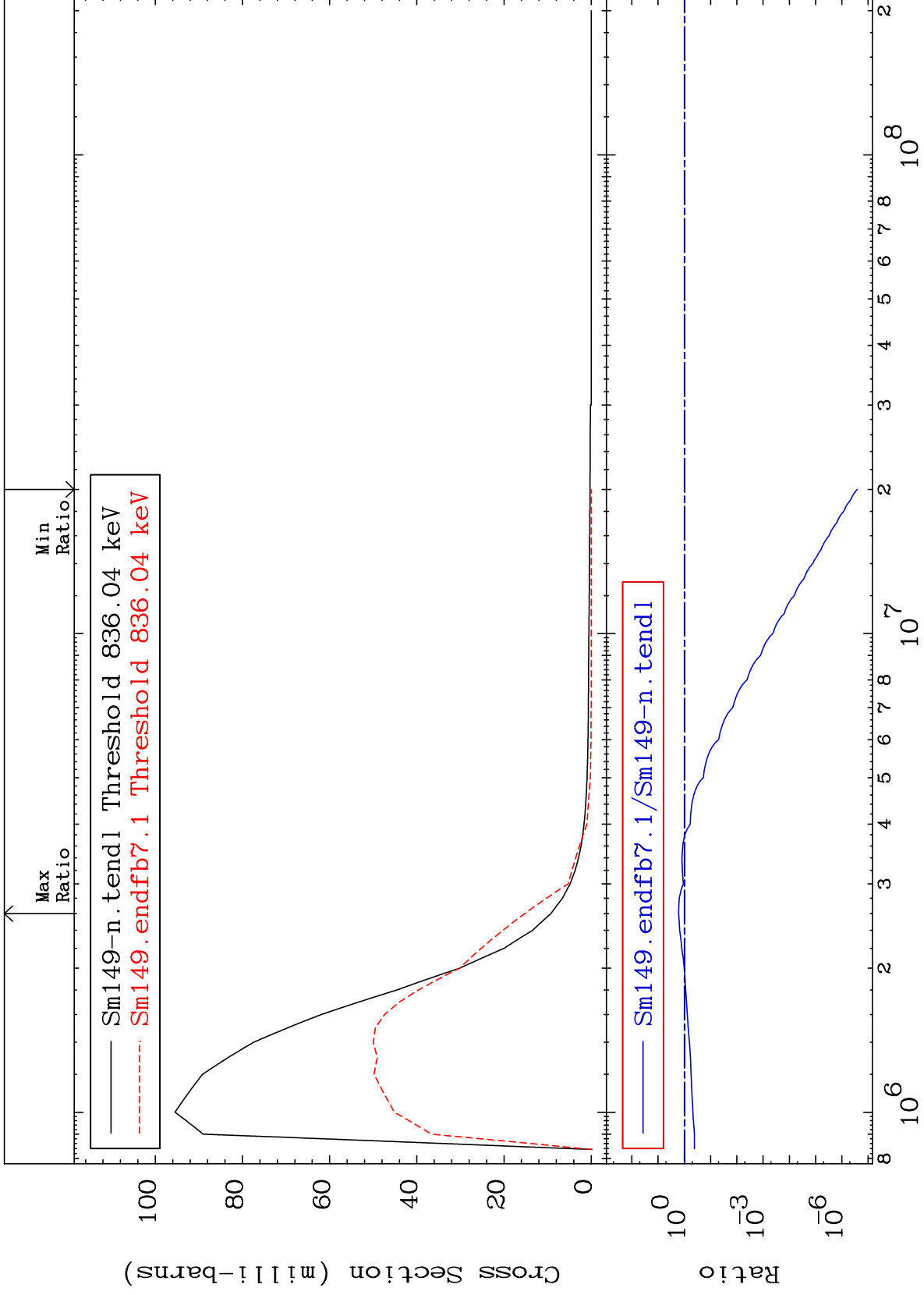
Incident Energy (eV)

62-Sm-149

MAT 6240

830.4 keV (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To 64.86 %



26

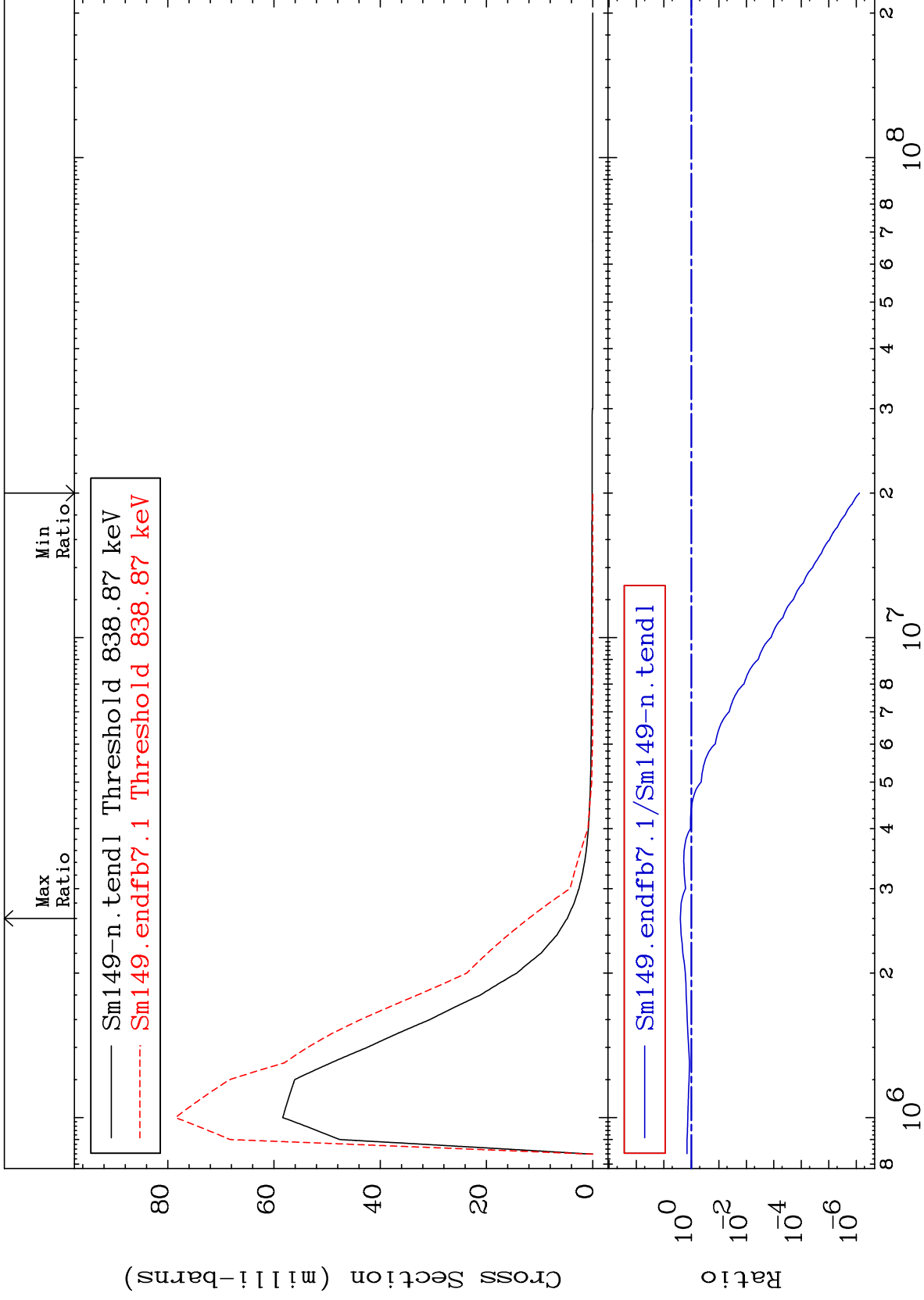
Incident Energy (eV)

62-Sm-149

MAT 6240

833.2 keV (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To 151.3 %



27

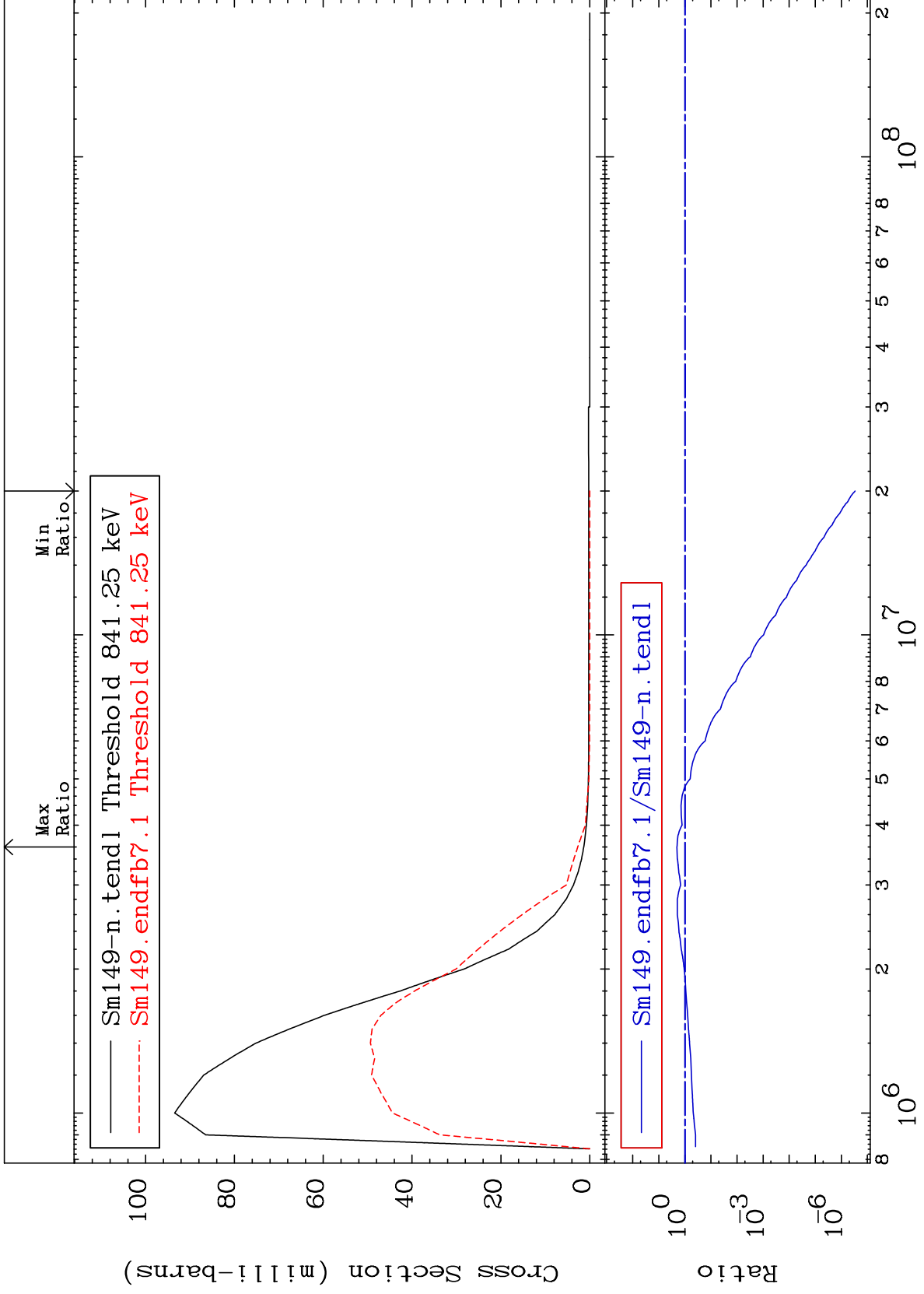
Incident Energy (eV)

62-Sm-149

MAT 6240

835.6 keV (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To 101.6 %



28

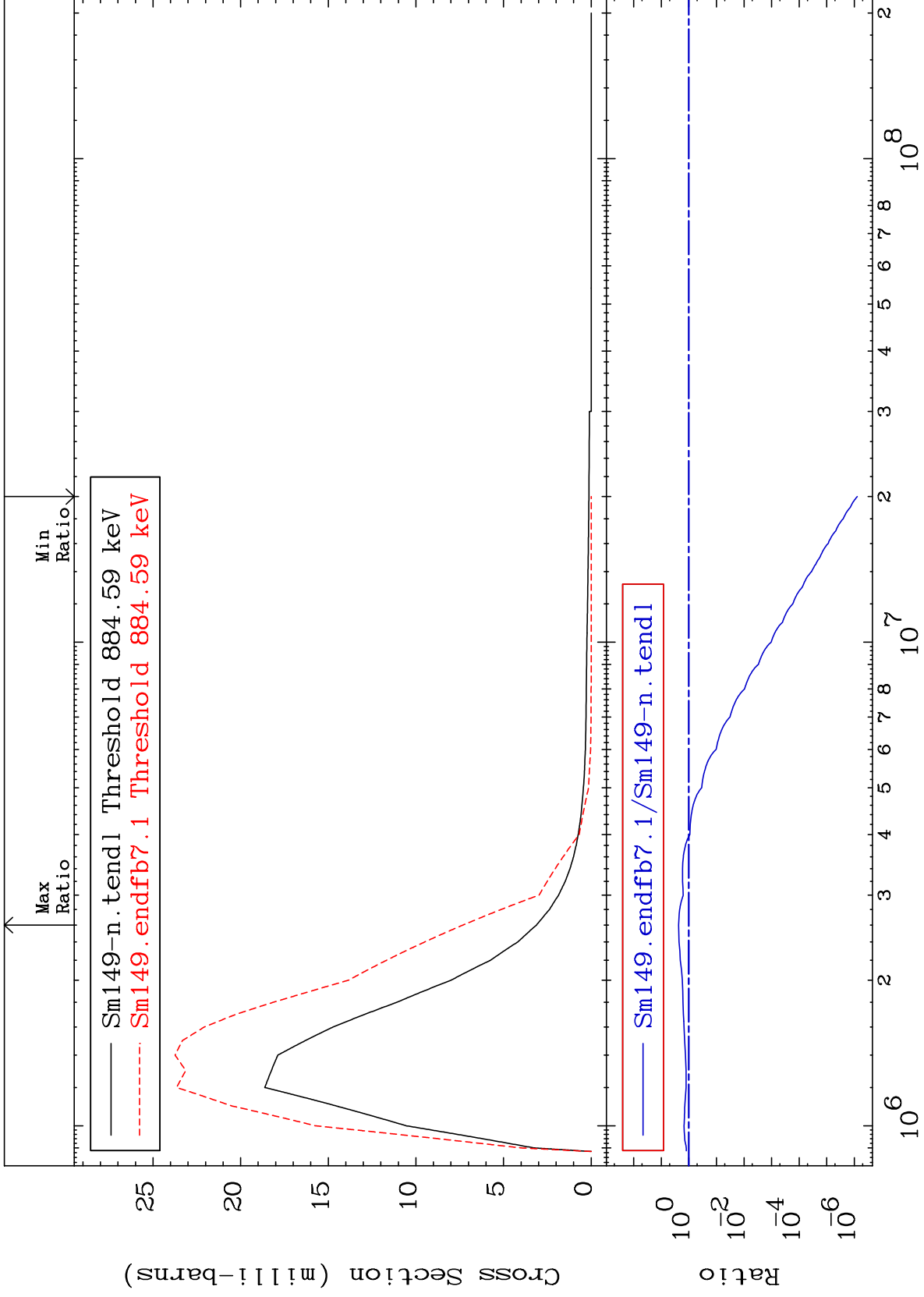
Incident Energy (eV)

62-Sm-149

MAT 6240

878.6 keV (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To 134.5 %



29

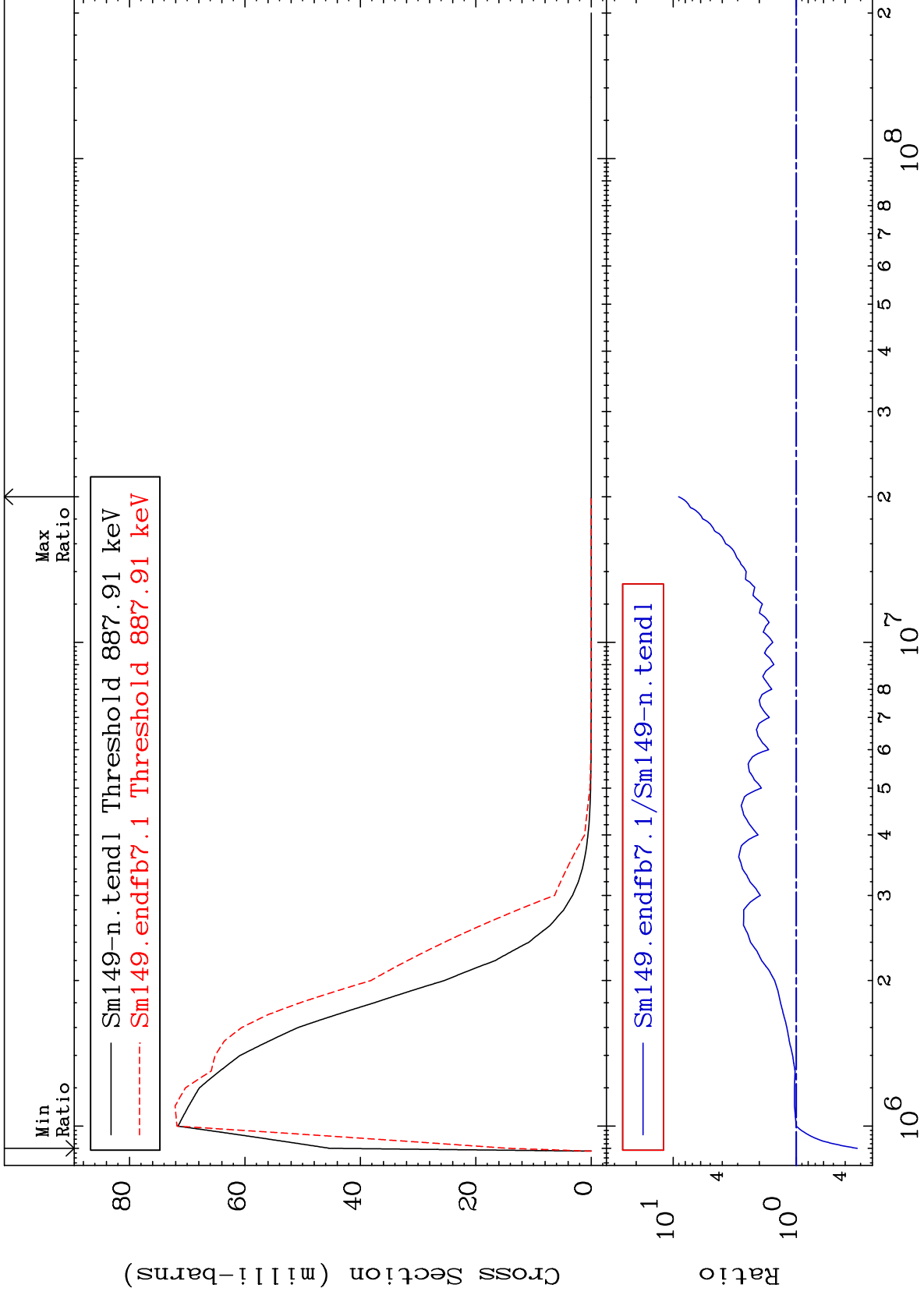
Incident Energy (eV)

62-Sm-149

MAT 6240

881.9 keV (n,n') Level  
Cross Section

62-Sm-149  
-68.08 To 804.3 %



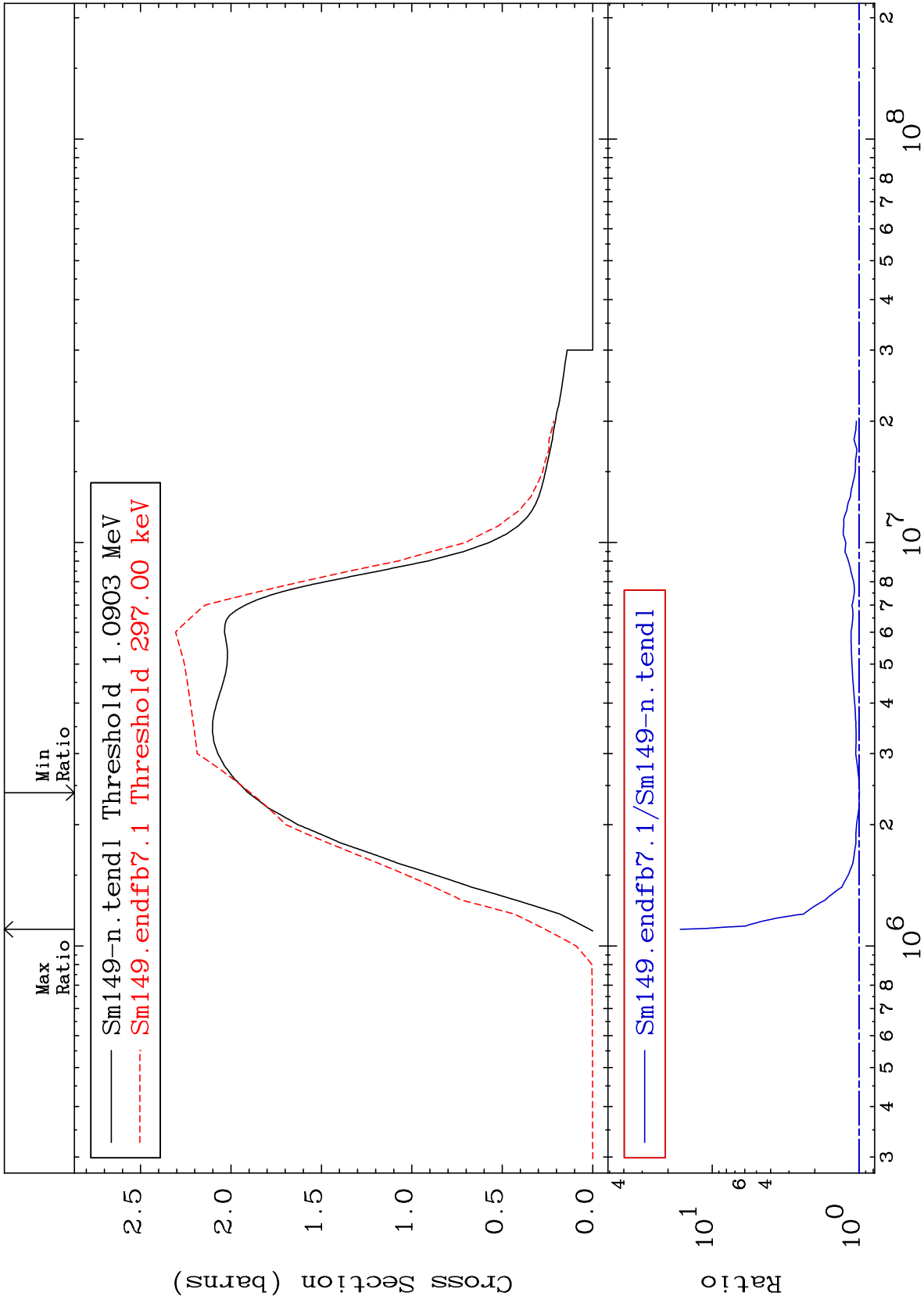
62-Sm-149

30

MAT 6240

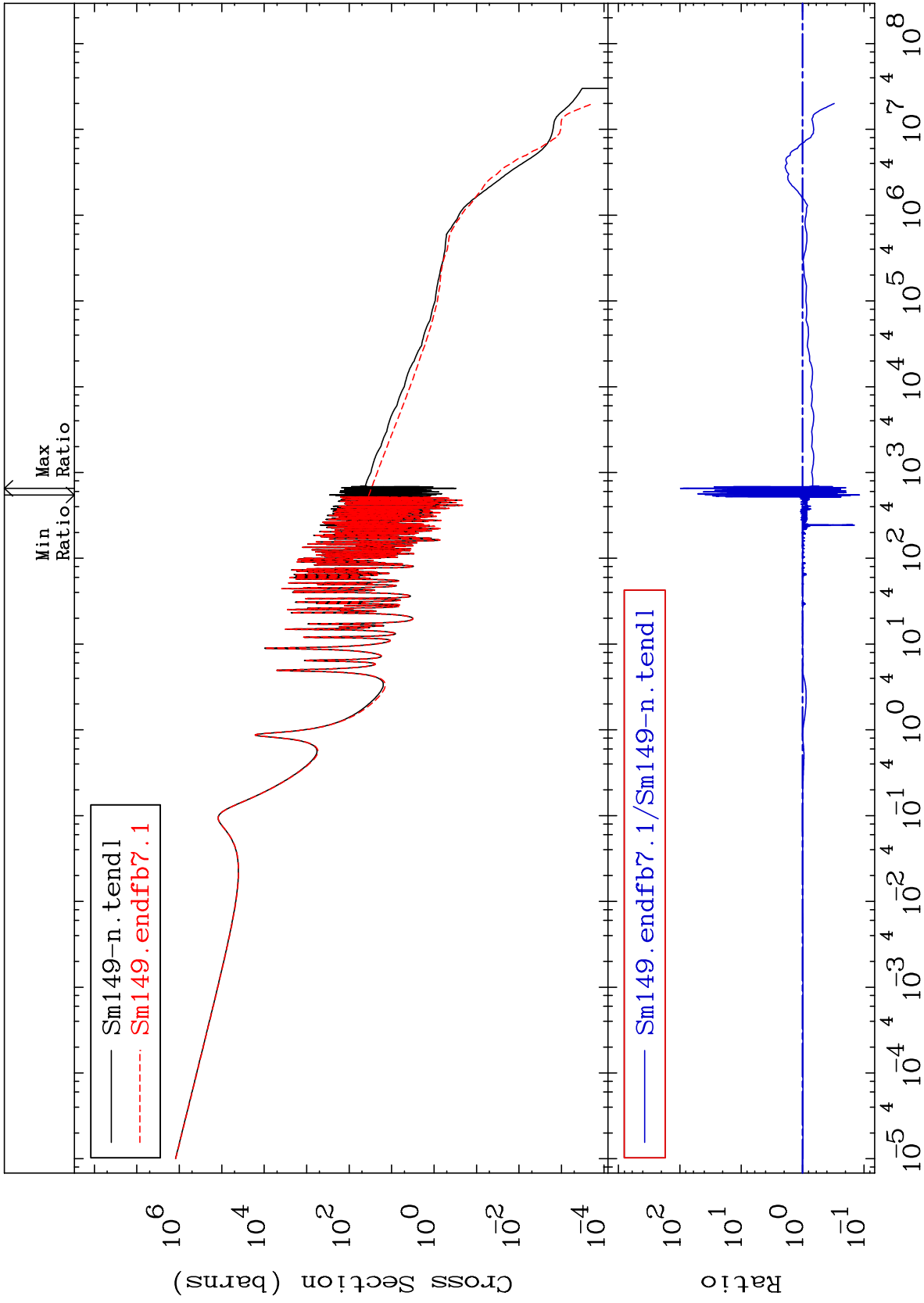
(n, n') Continuum  
Cross Section

62-Sm-149  
-0.668 To 1548. %



MAT 6240

(n,  $\gamma$ )  
Cross Section  
62-Sm-149  
-88.16 To 9694. %





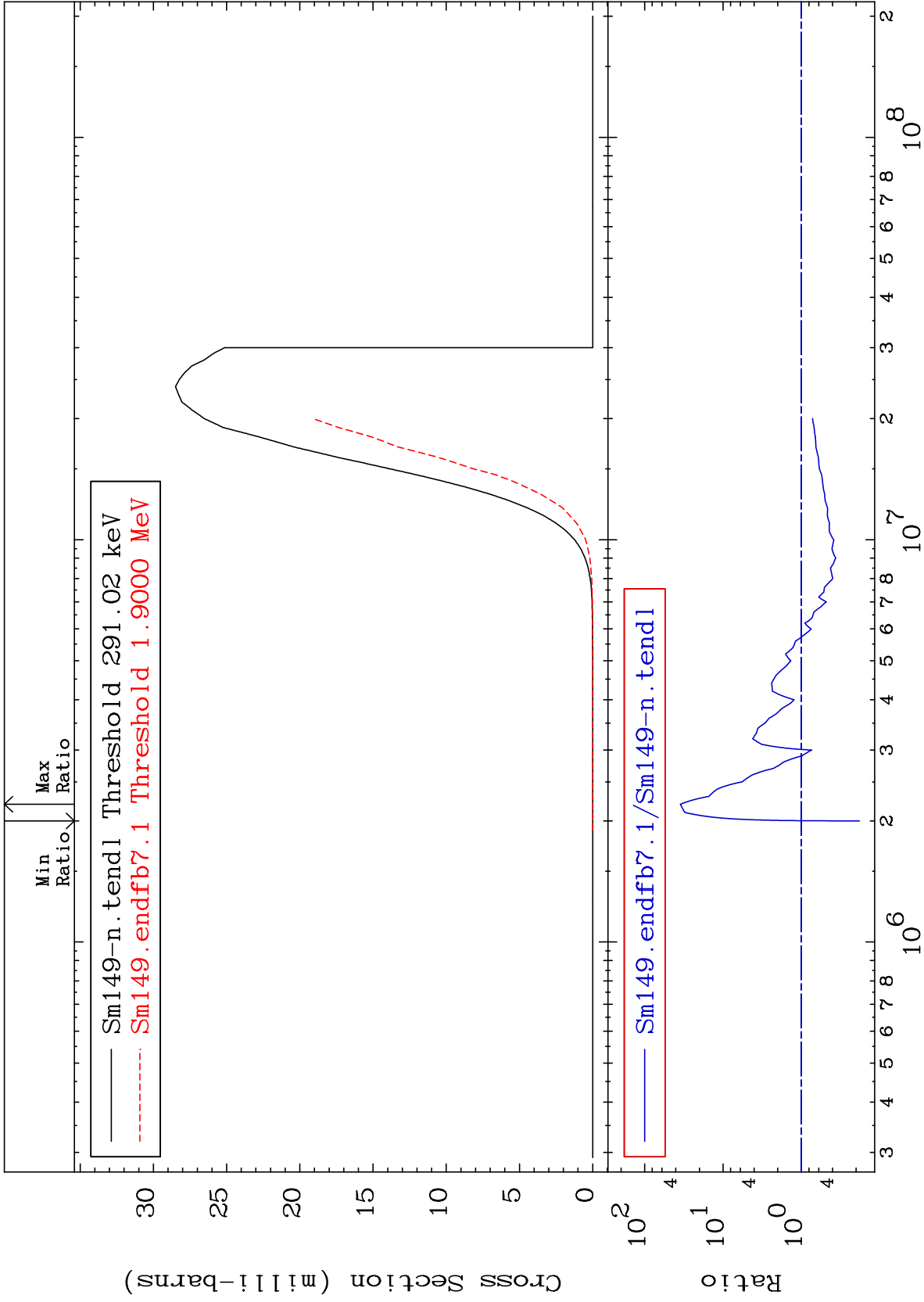
MAT 6240

(n, p)

62-Sm-149

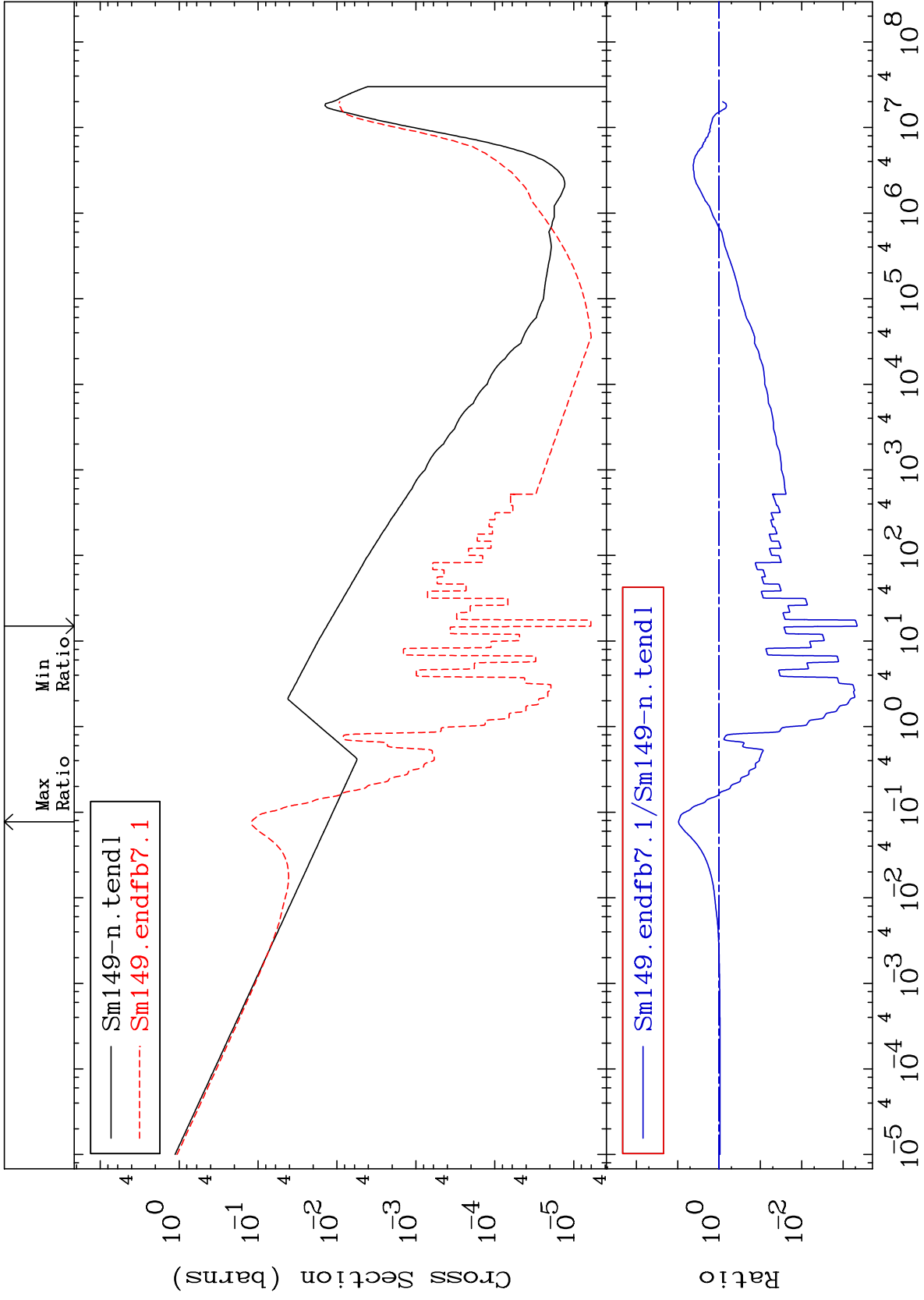
Cross Section

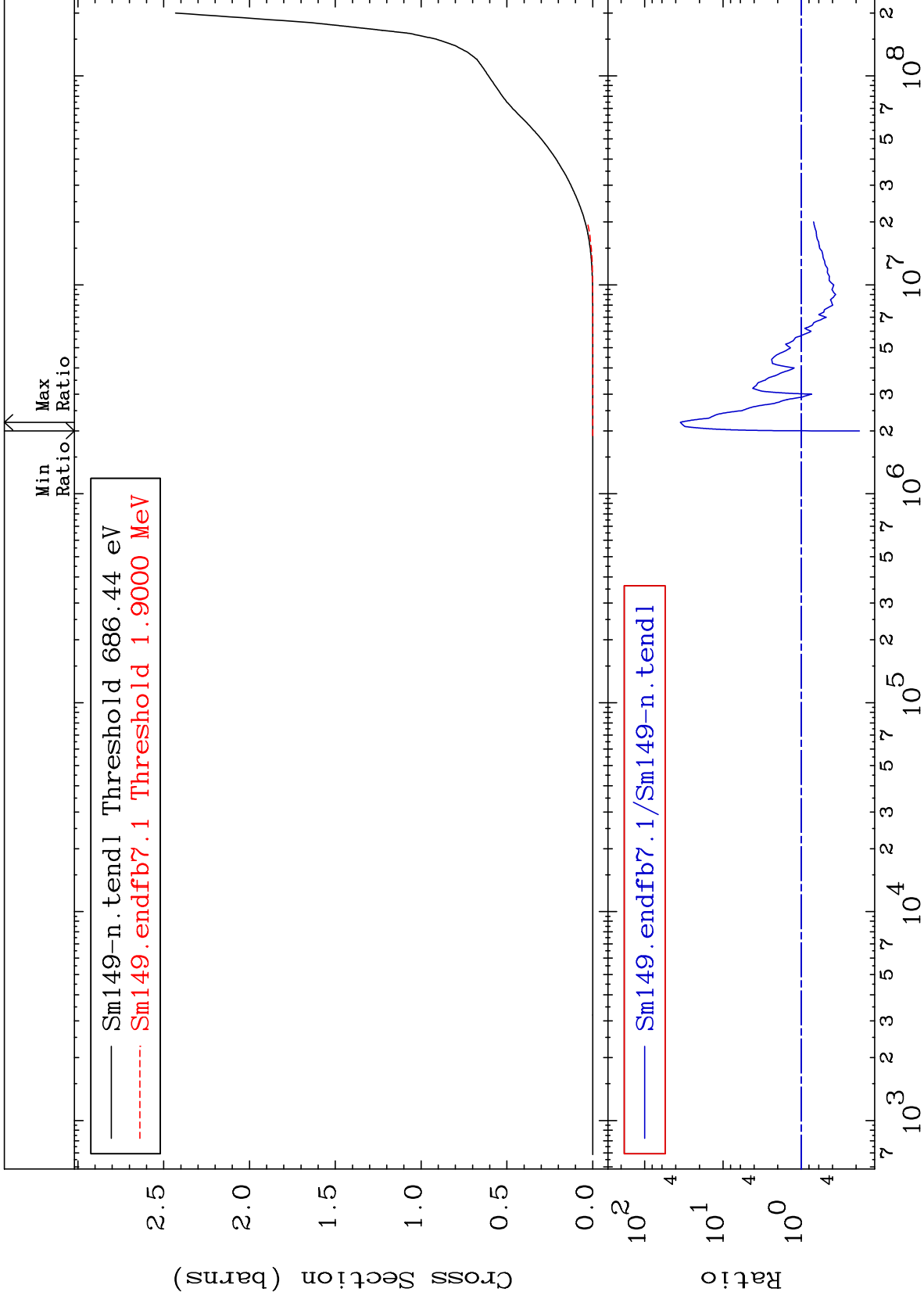
-81.87 To 3401. %



MAT 6240

(n,  $\alpha$ )  
Cross Section  
62-Sm-149  
-99.95 To 847.5 %

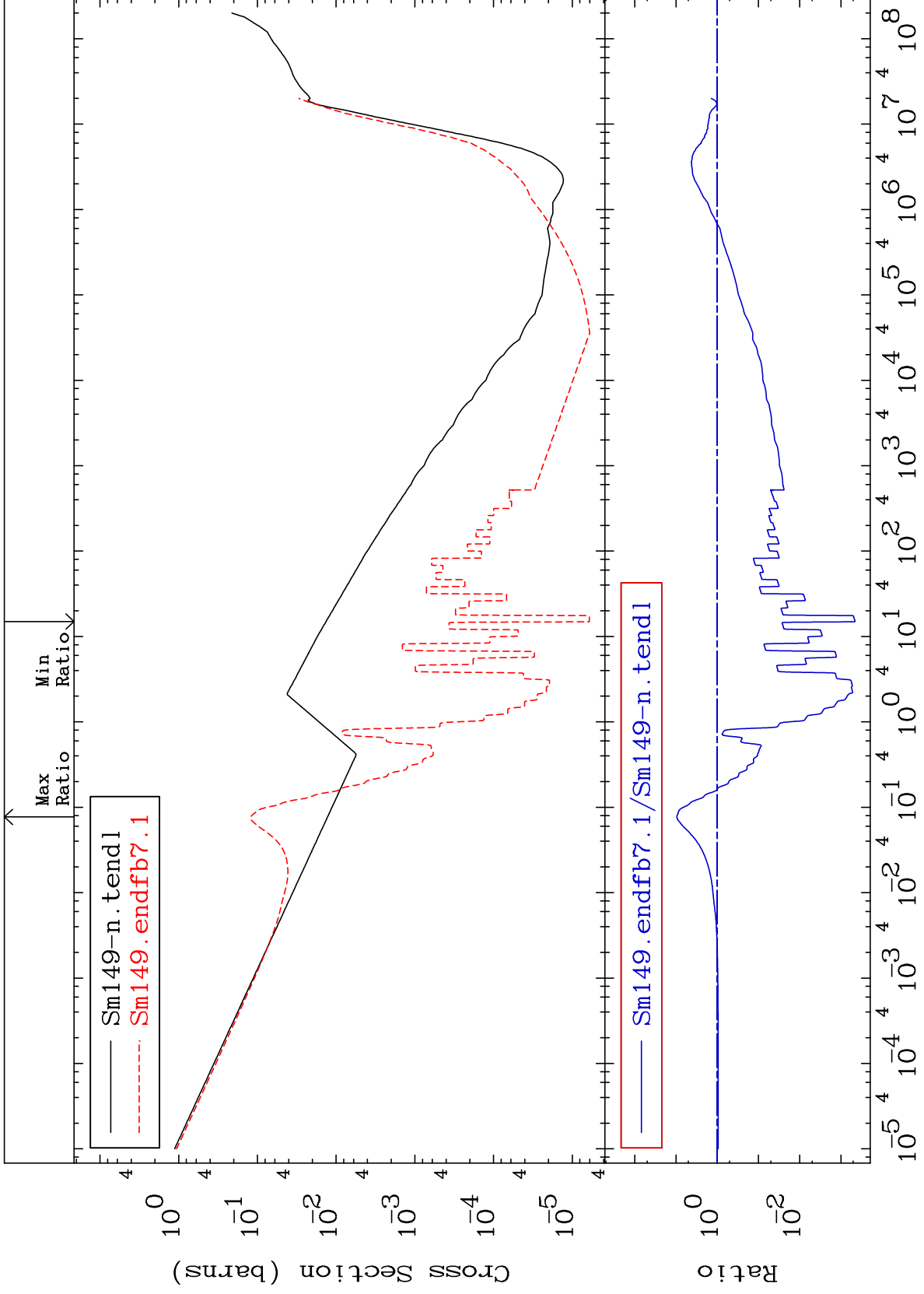




MAT 6240

He-4 Production  
Cross Section

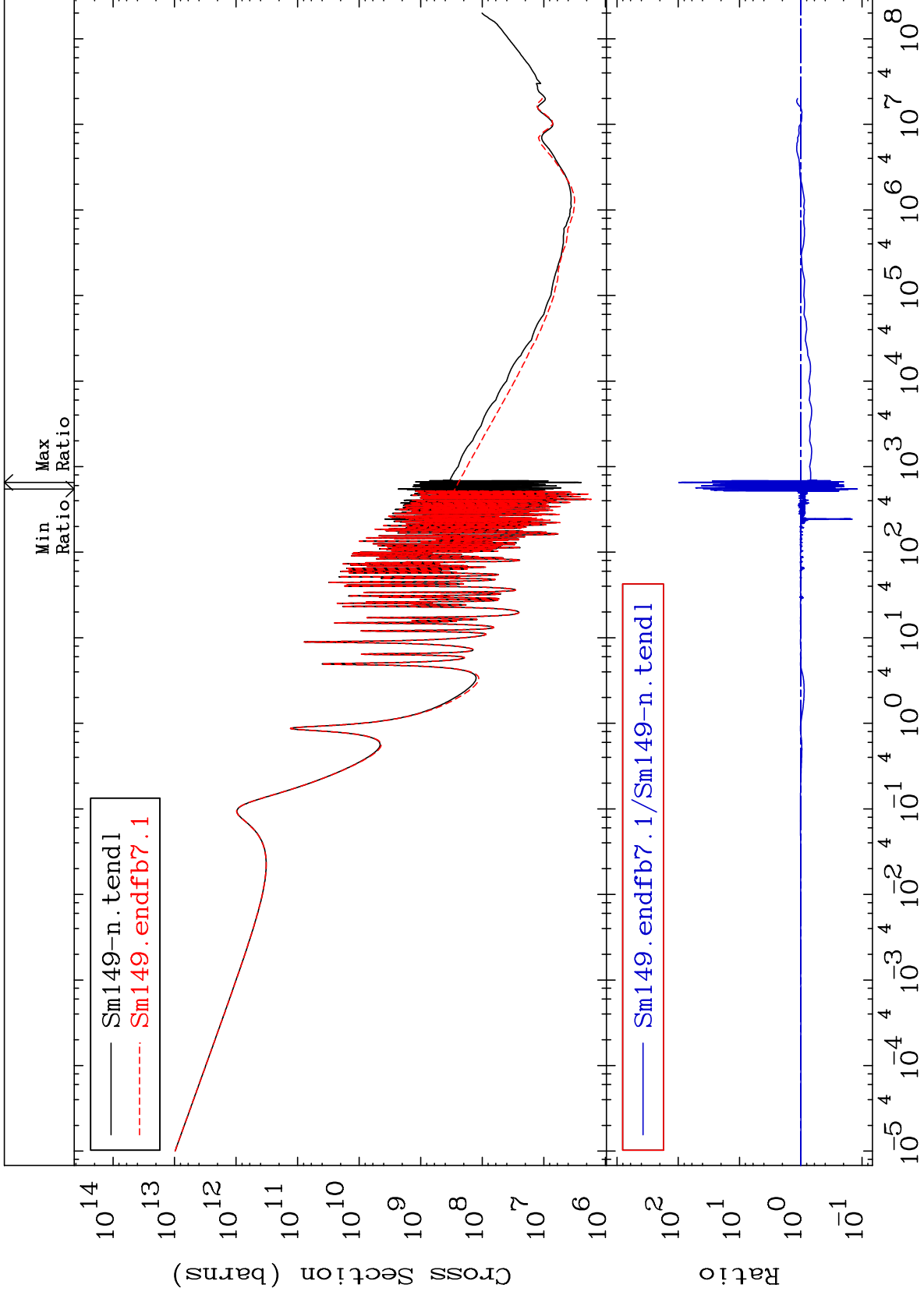
62-Sm-149  
-99.95 To 847.5 %



MAT 6240

Kerma total (eV-barns)  
Cross Section

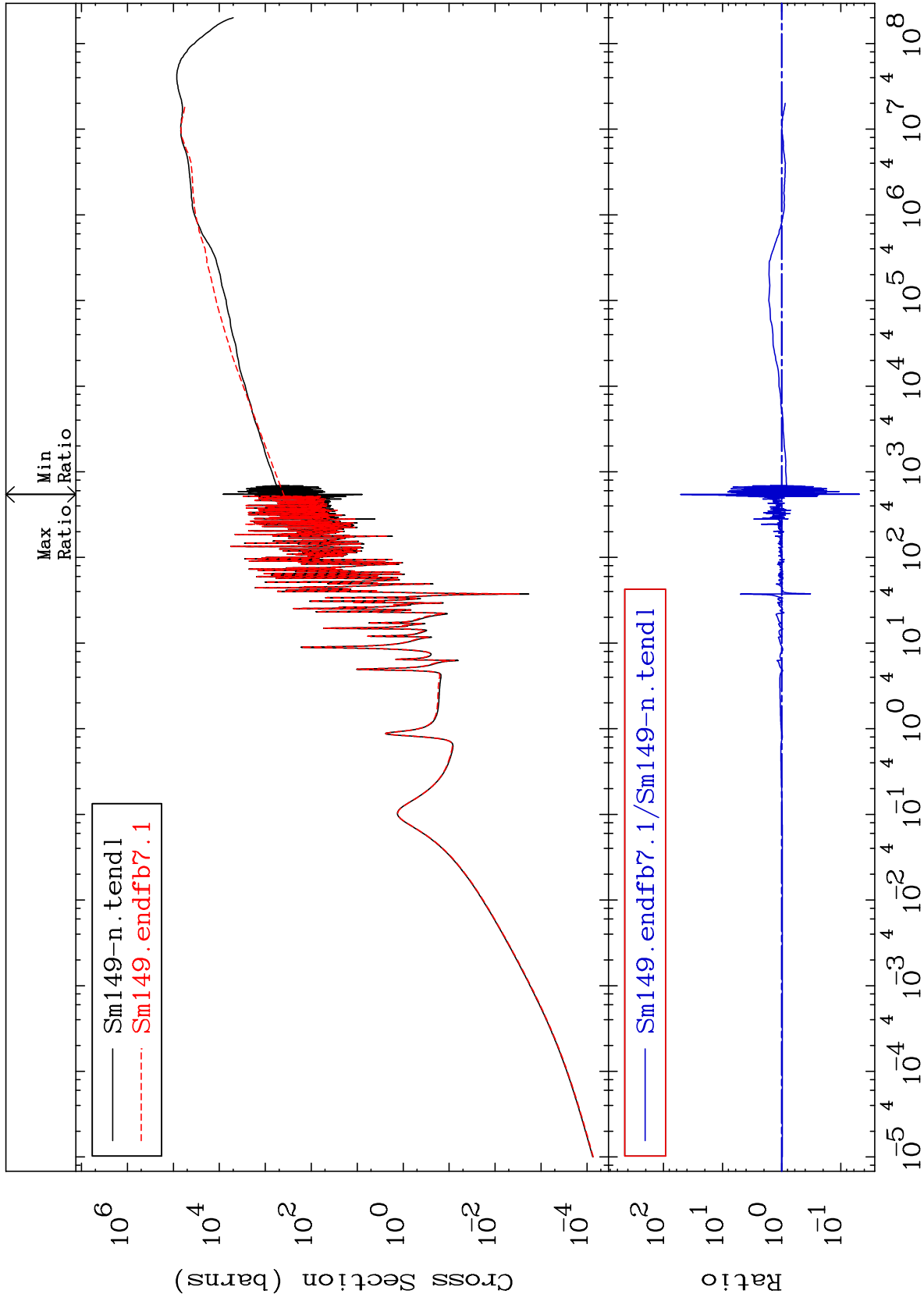
62-Sm-149  
-88.05 To 9749. %



MAT 6240

Kerma elastic  
Cross Section

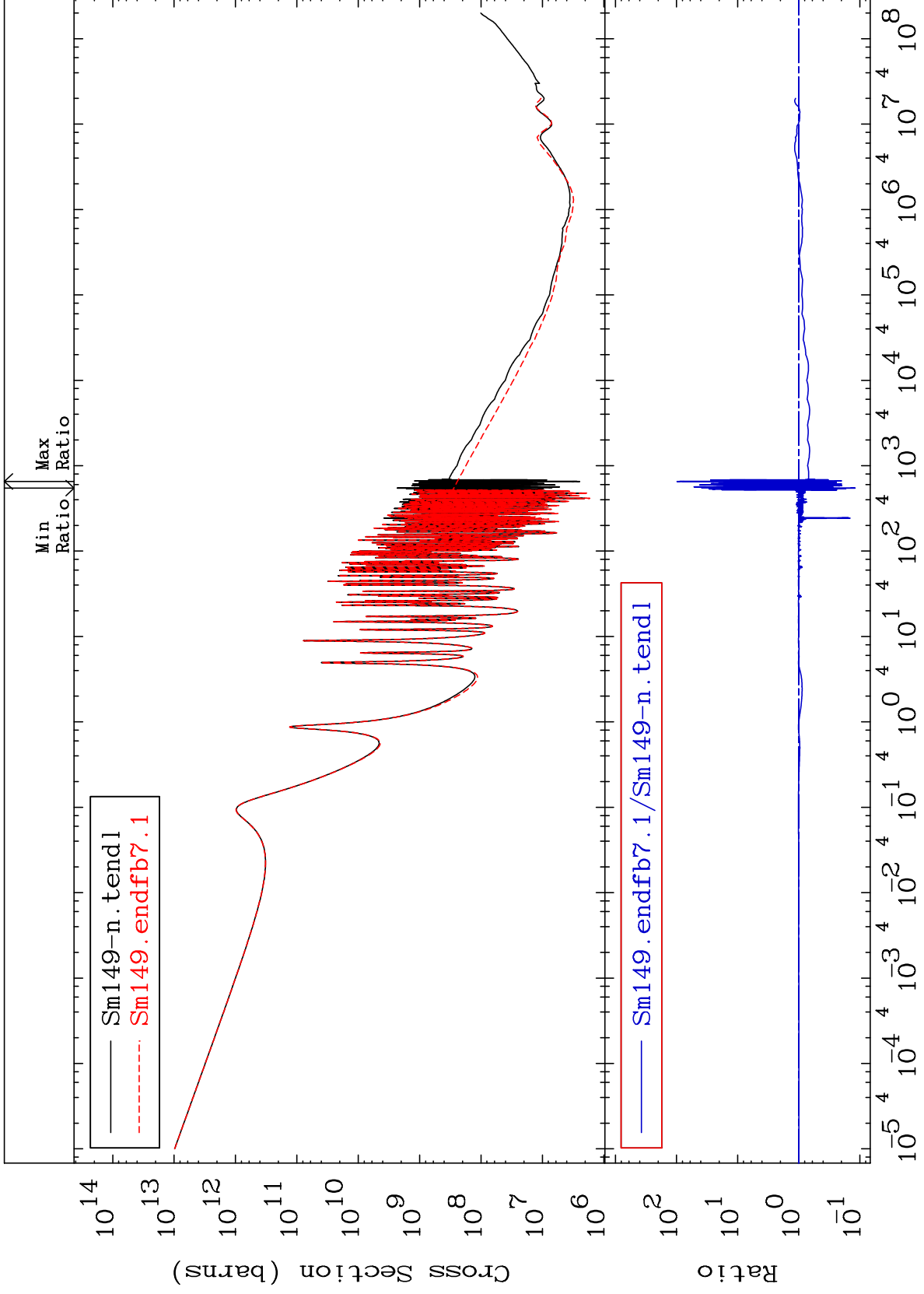
62-Sm-149  
-95.18 To 4999. %

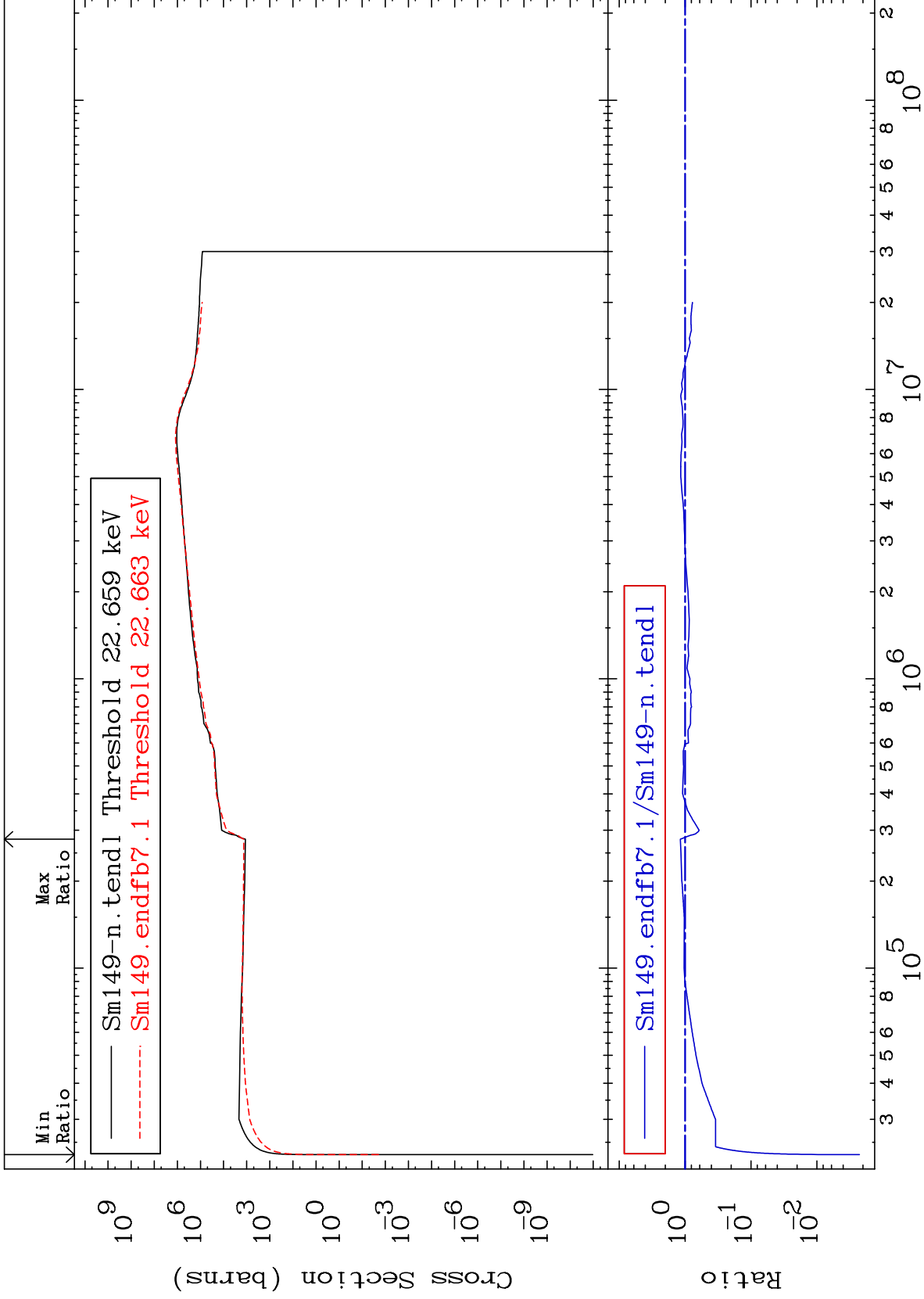


MAT 6240

Kerma non-elastic (all but mt2)  
Cross Section

62-Sm-149  
-88.05 To 9749. %



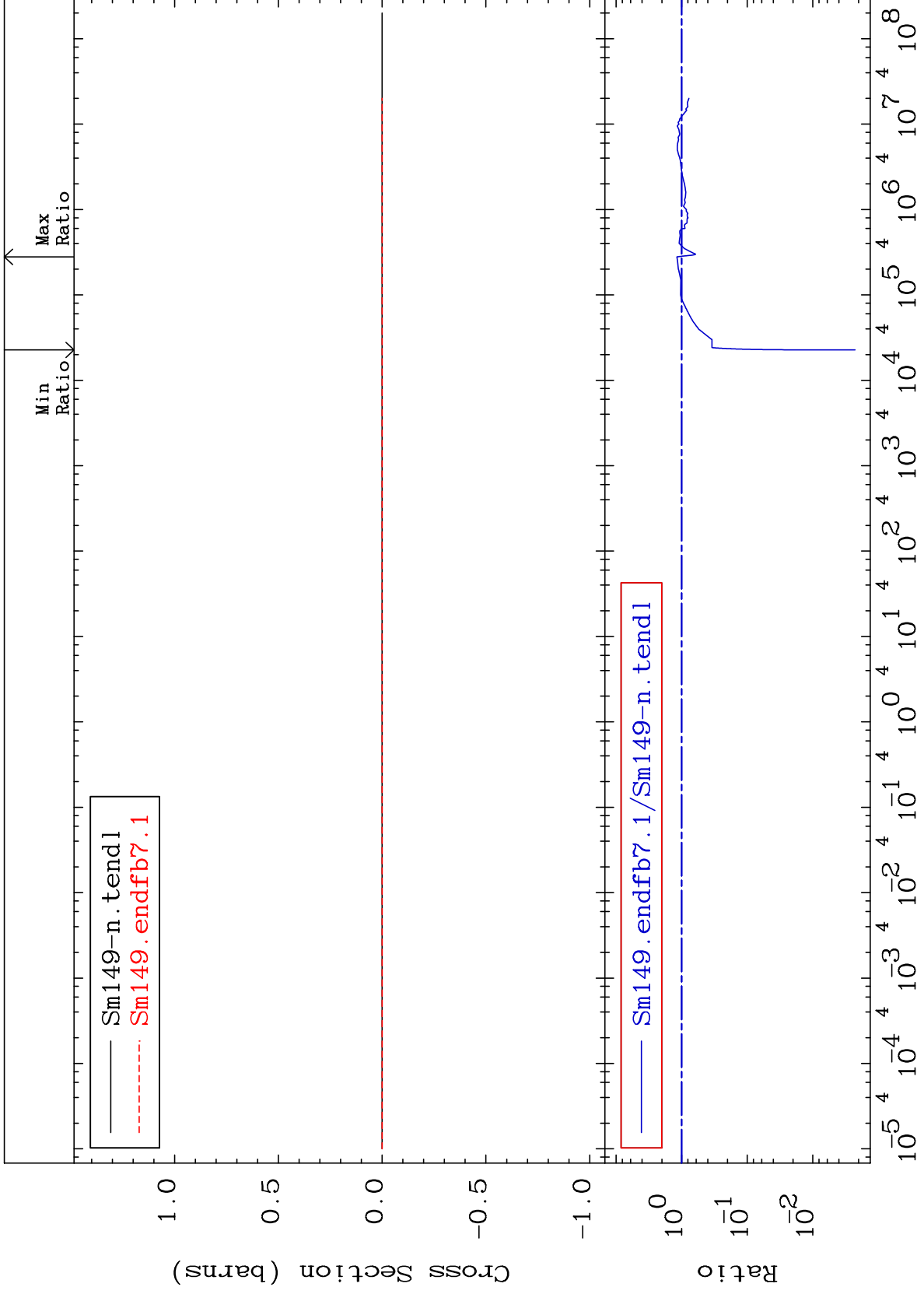




MAT 6240

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

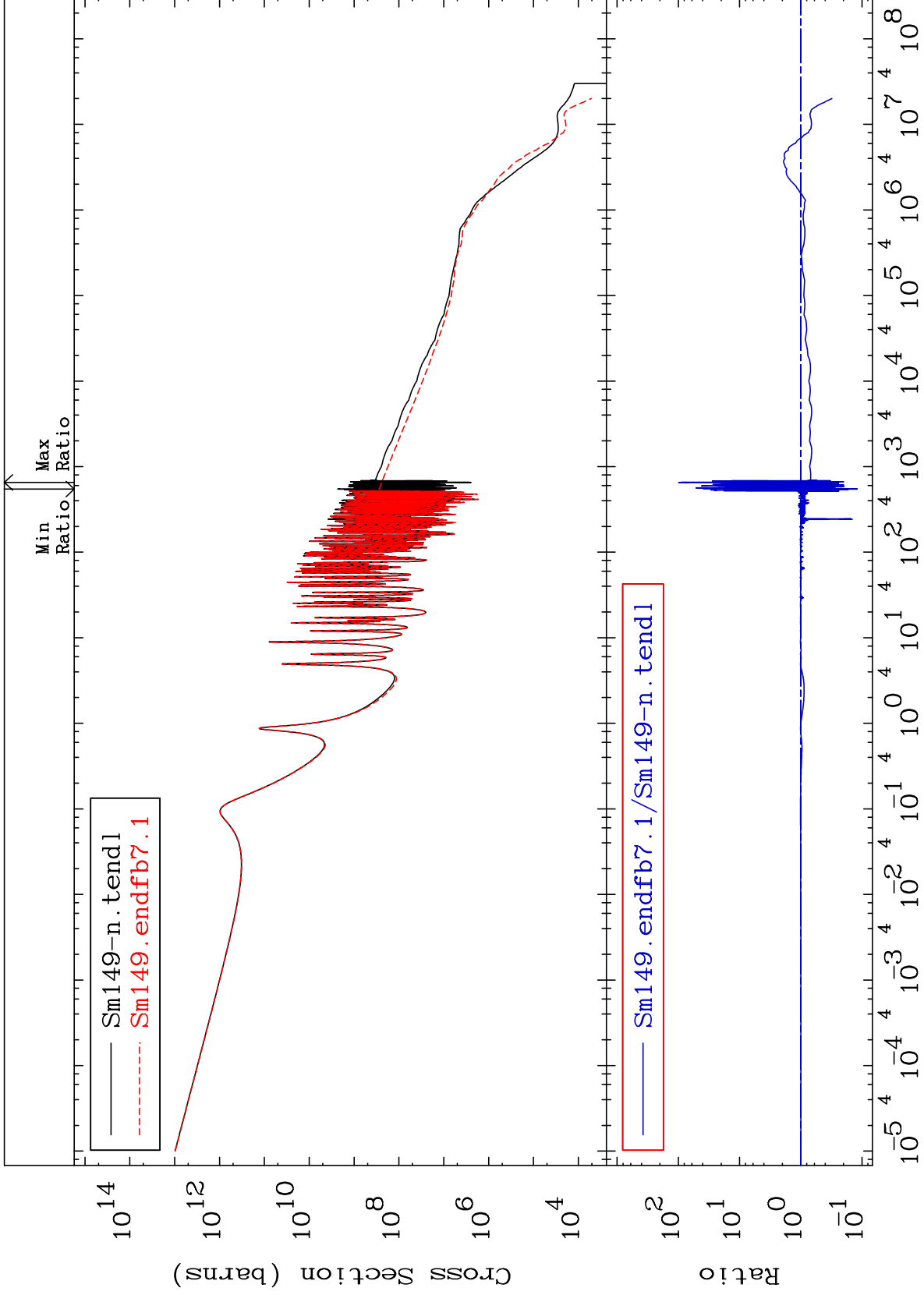
62-Sm-149  
-99.77 To 17.85 %



MAT 6240

Kerma capture (mt102)  
Cross Section

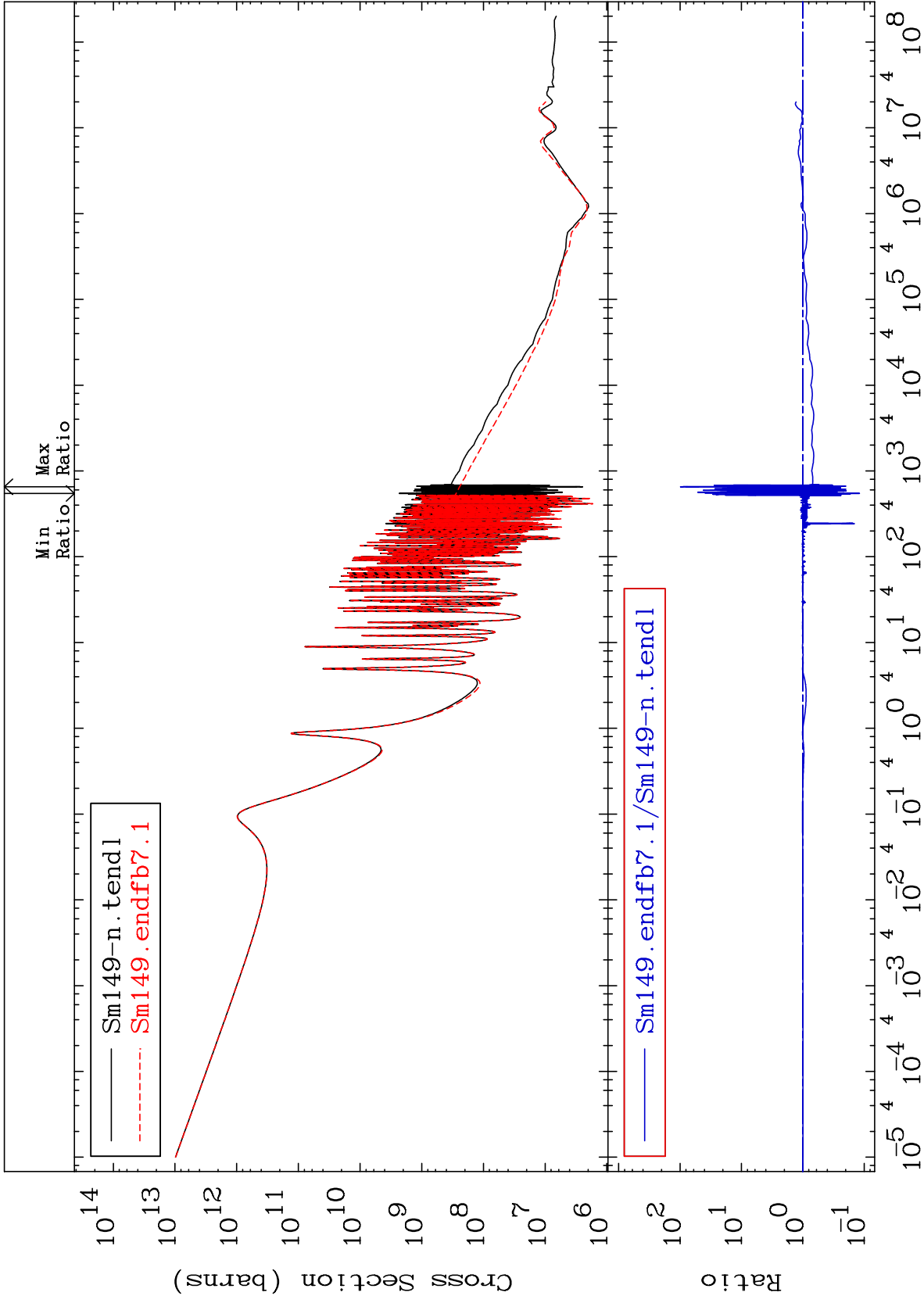
62-Sm-149  
-88.05 To 9790. %

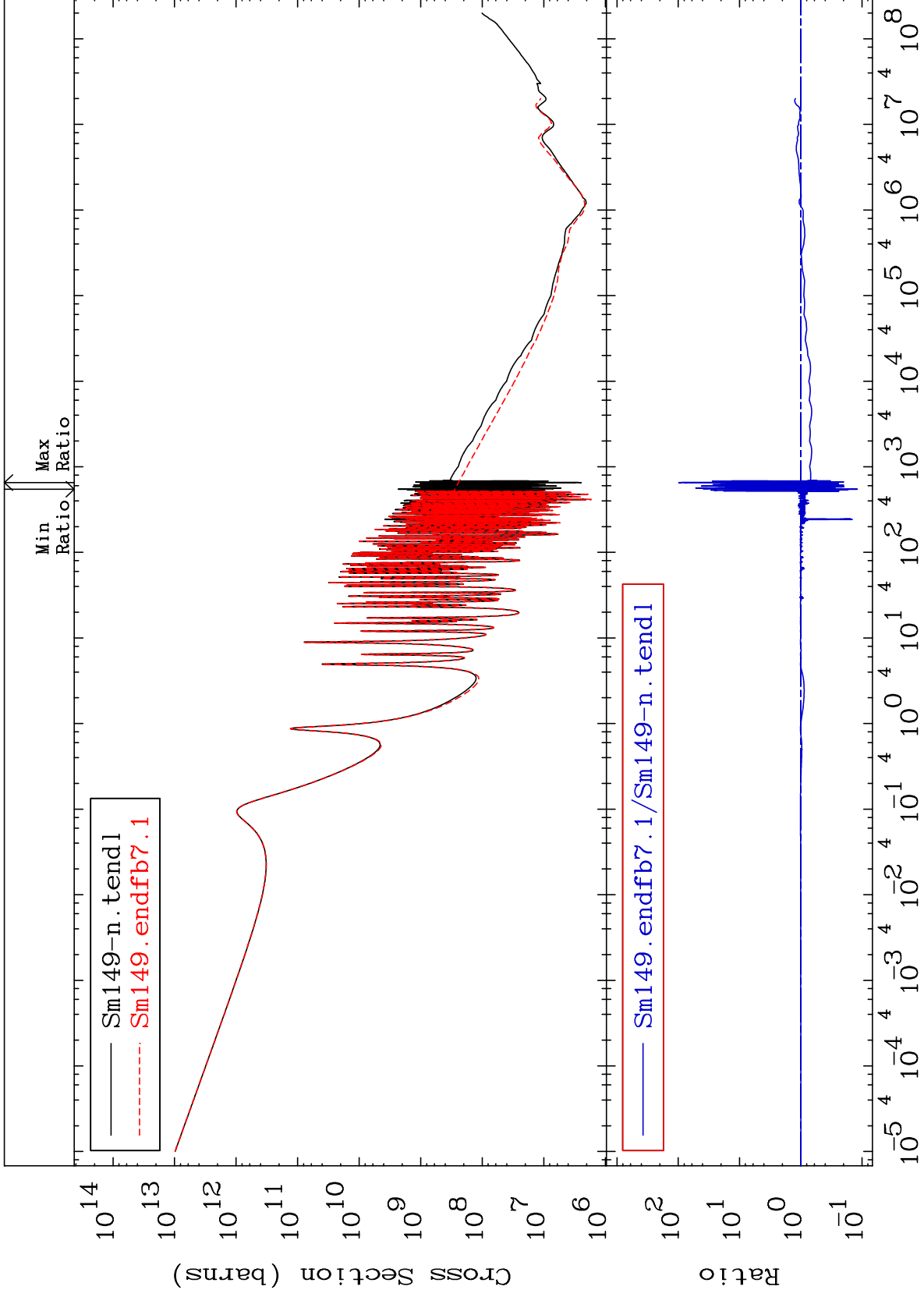


MAT 6240

Total photon (eV-barns)  
Cross Section

62-Sm-149  
-88.05 To 9781. %

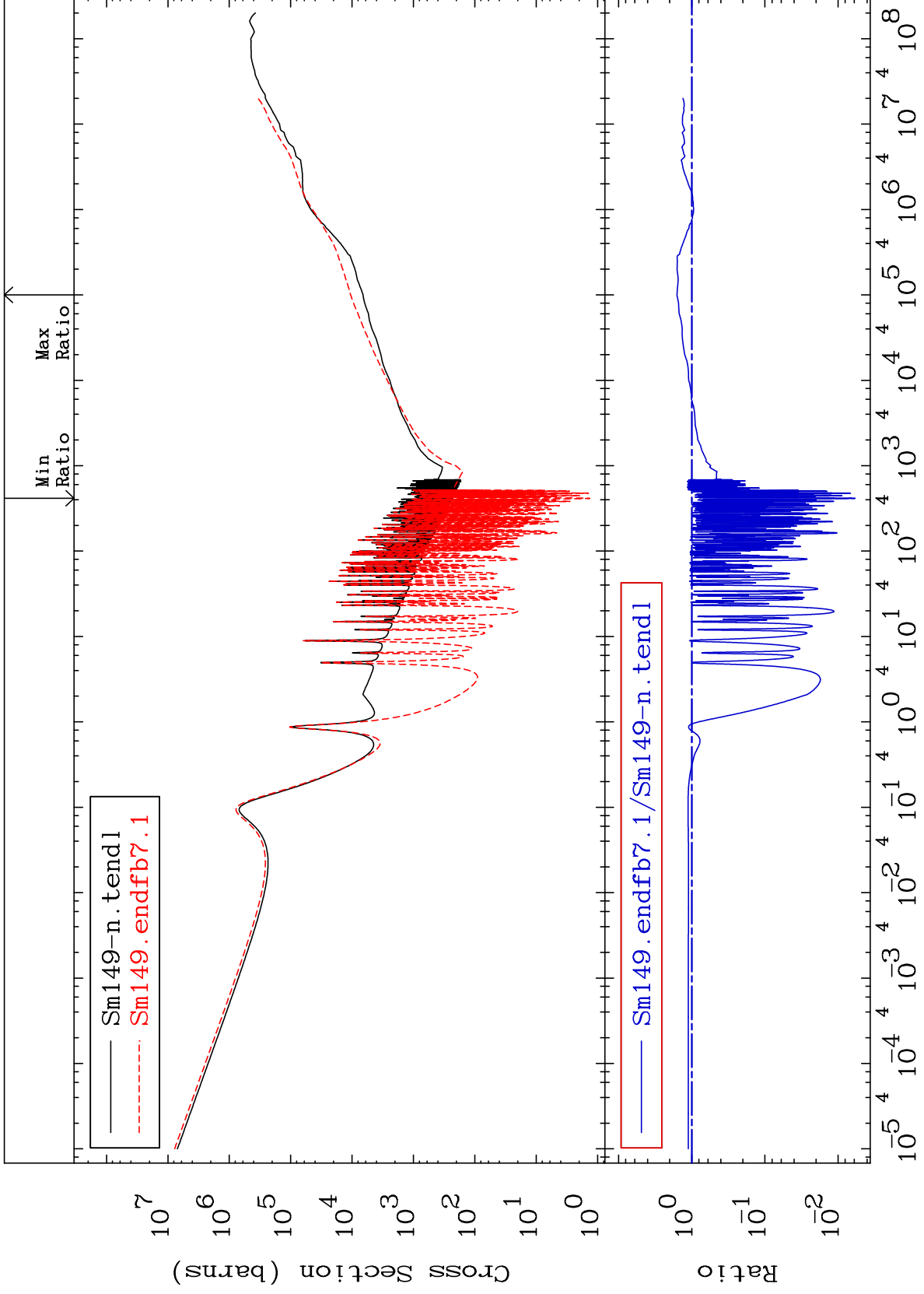




MAT 6240

Dpa total (eV-barns)  
Cross Section

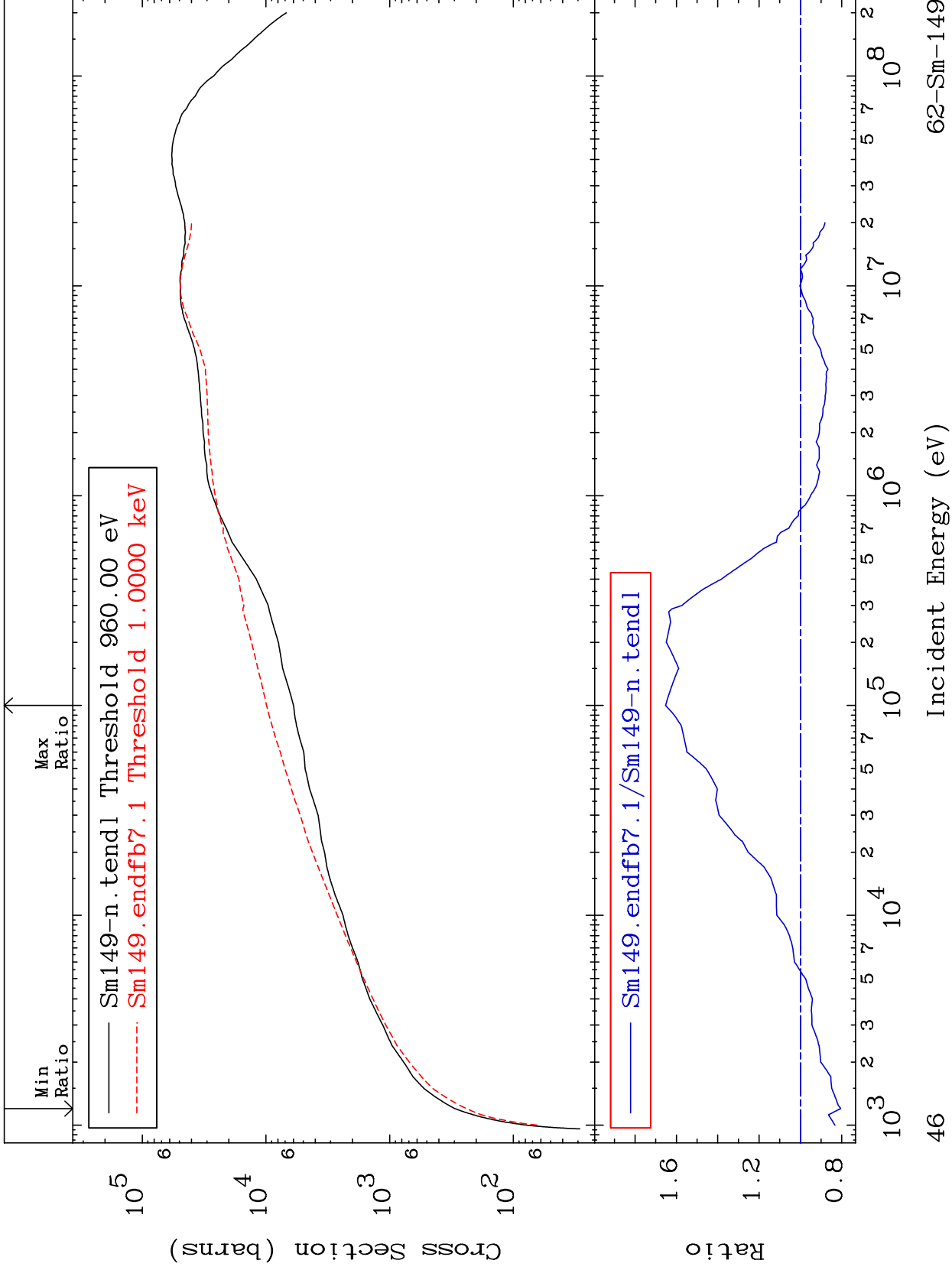
62-Sm-149  
-99.41 To 59.34 %



MAT 6240

Dpa elastic (mt2)  
Cross Section

62-Sm-149  
-19.48 To 65.29 %



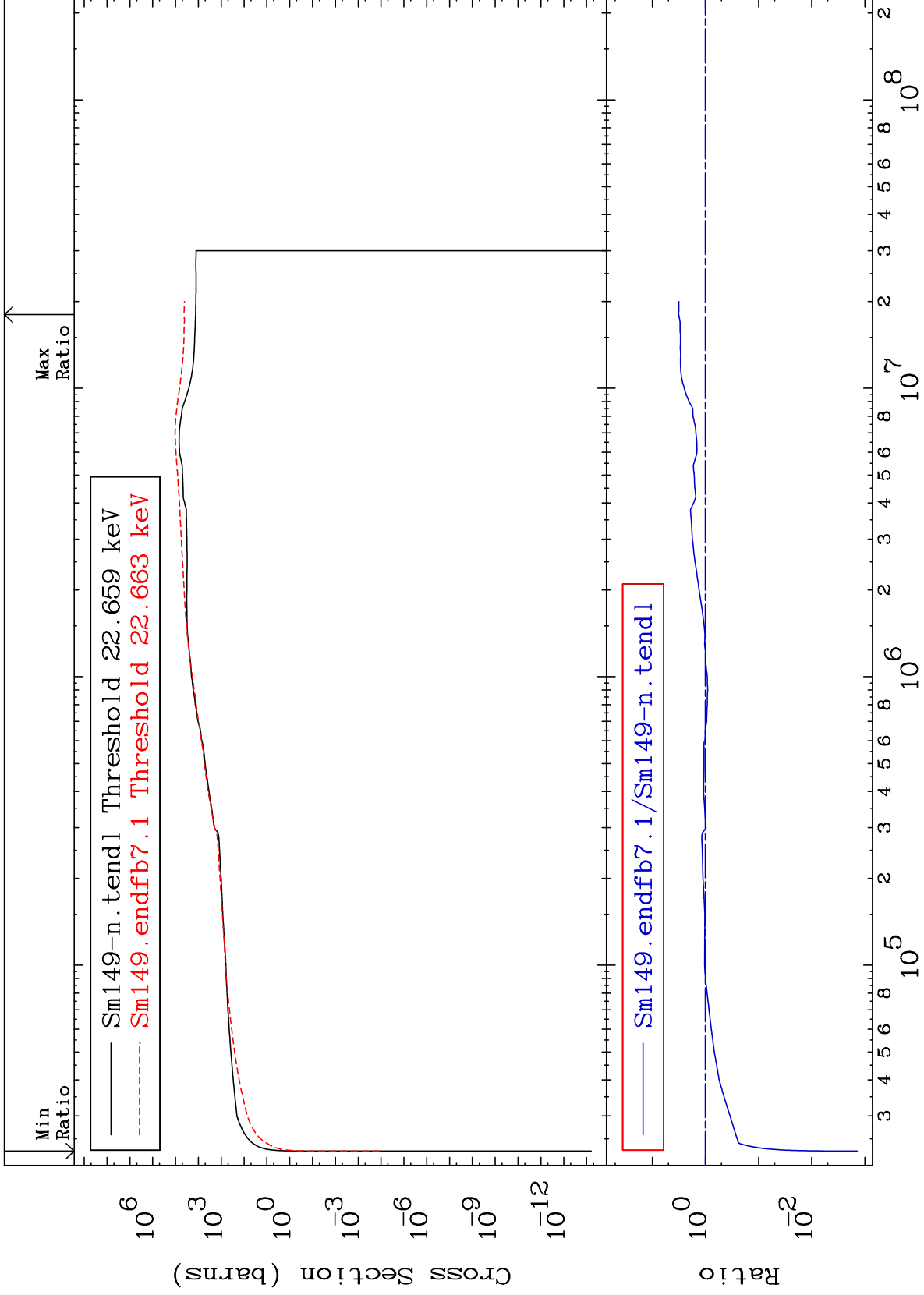
46

62-Sm-149

MAT 6240

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-149  
-99.86 To 220.5 %



MAT 6240

Dpa disappearance (mt102 -120)  
Cross Section

62-Sm-149  
-99.41 To 87.27 %

