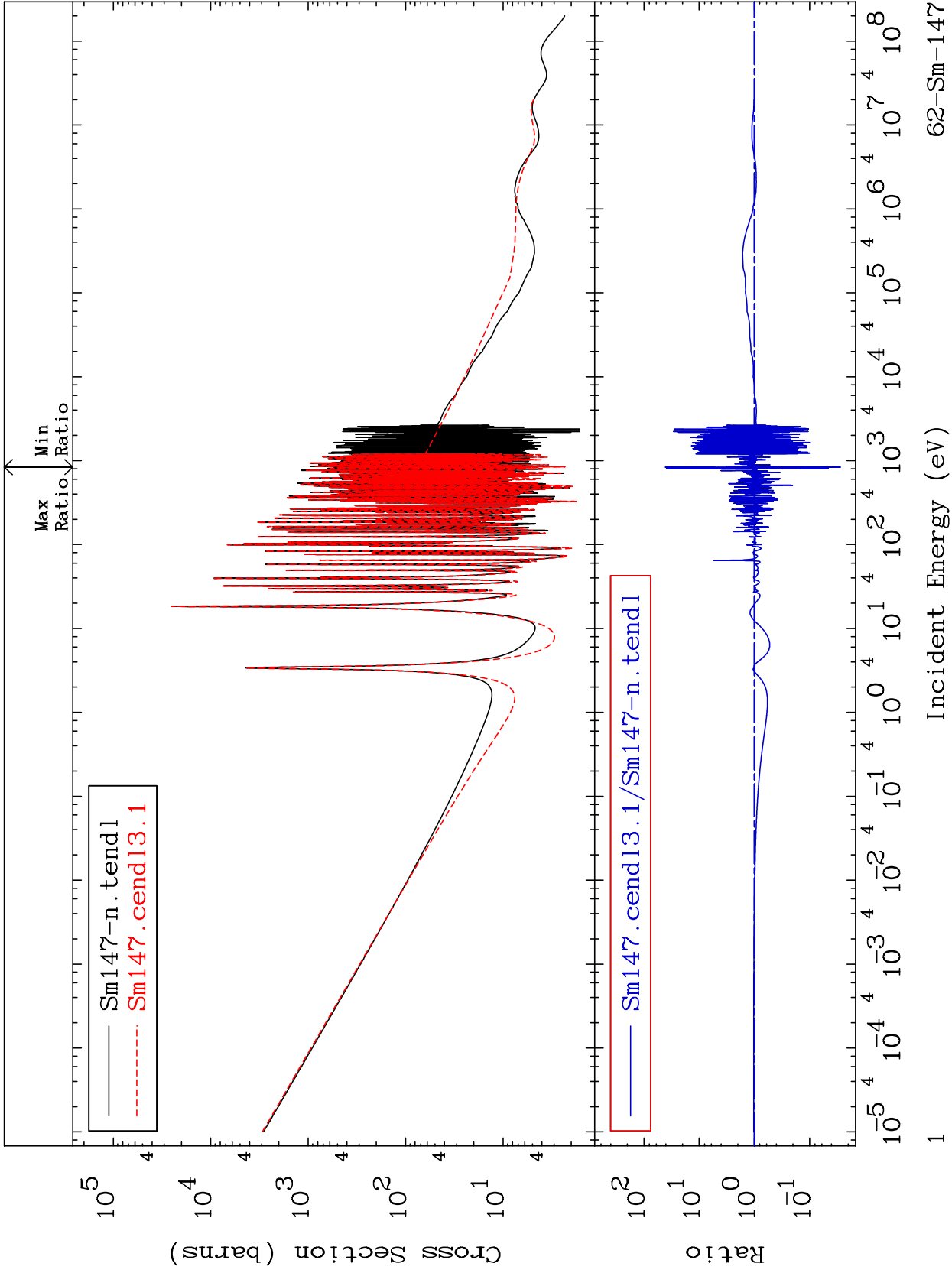


MAT 6234

Total
Cross Section

62-Sm-147
-97.26 To 3972. %

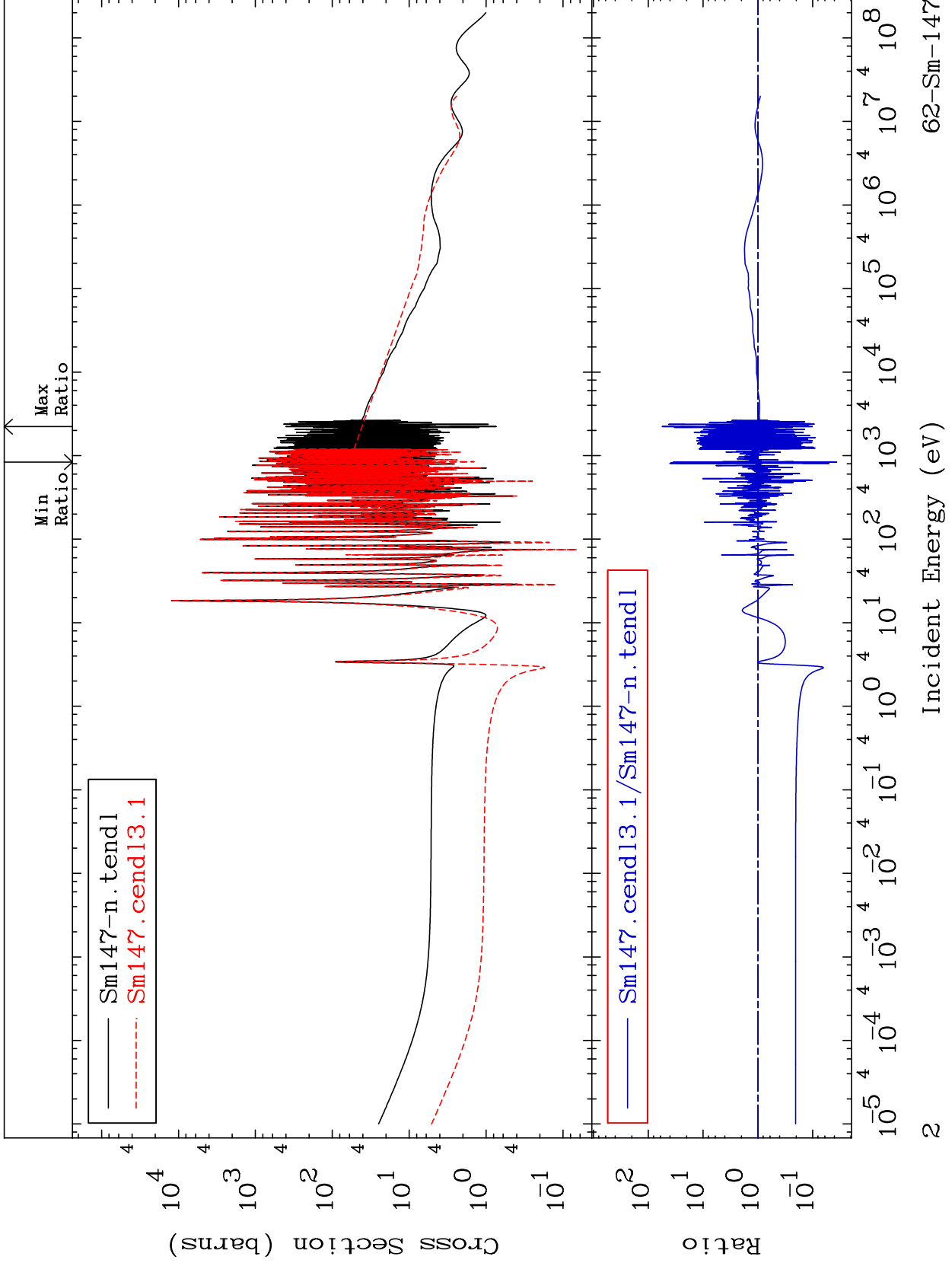


62-Sm-147

MAT 6234

Elastic
Cross Section

62-Sm-147
-96.35 To 5441. %



62-Sm-147

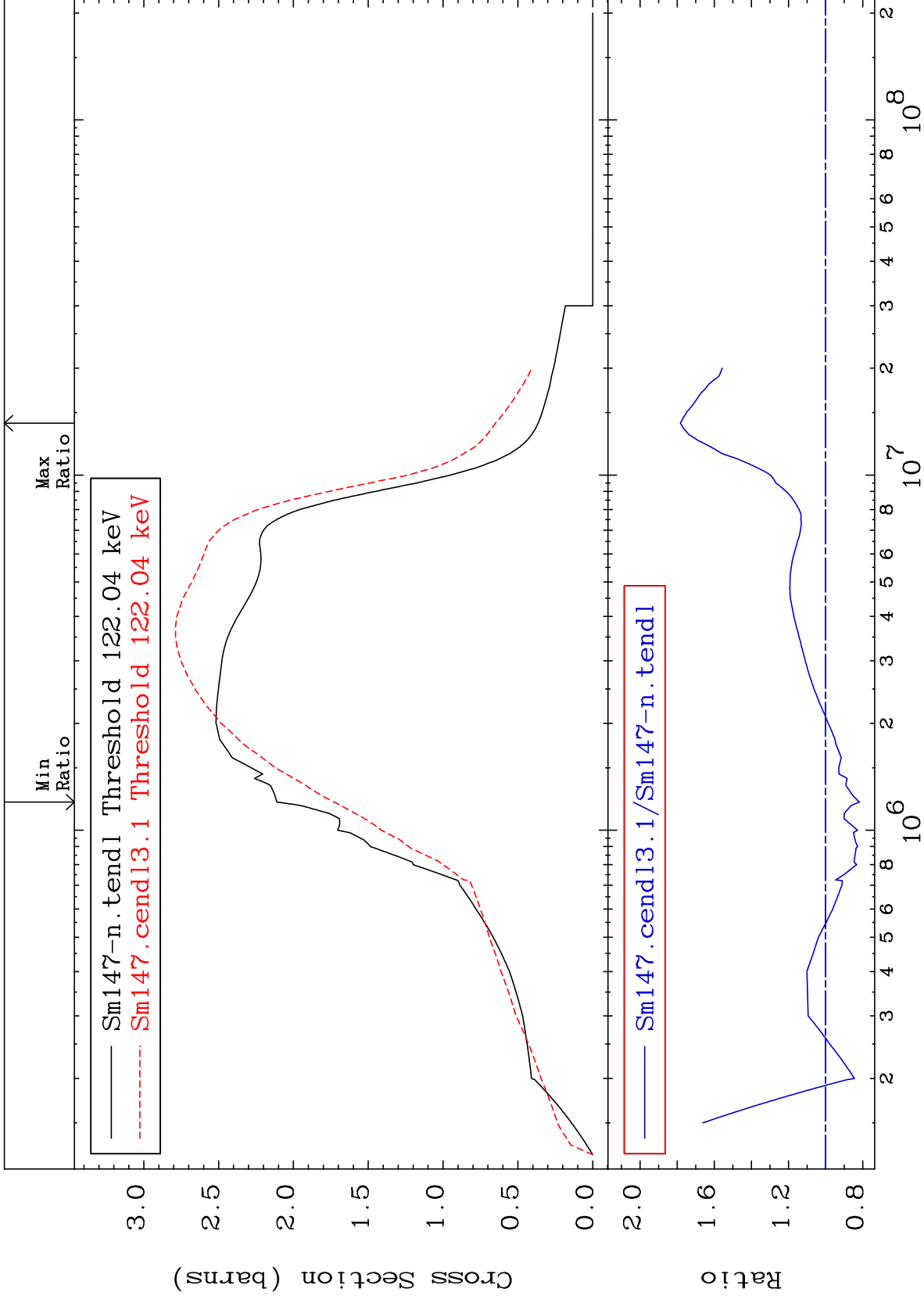
Incident Energy (eV)

2

MAT 6234

Inelastic
Cross Section

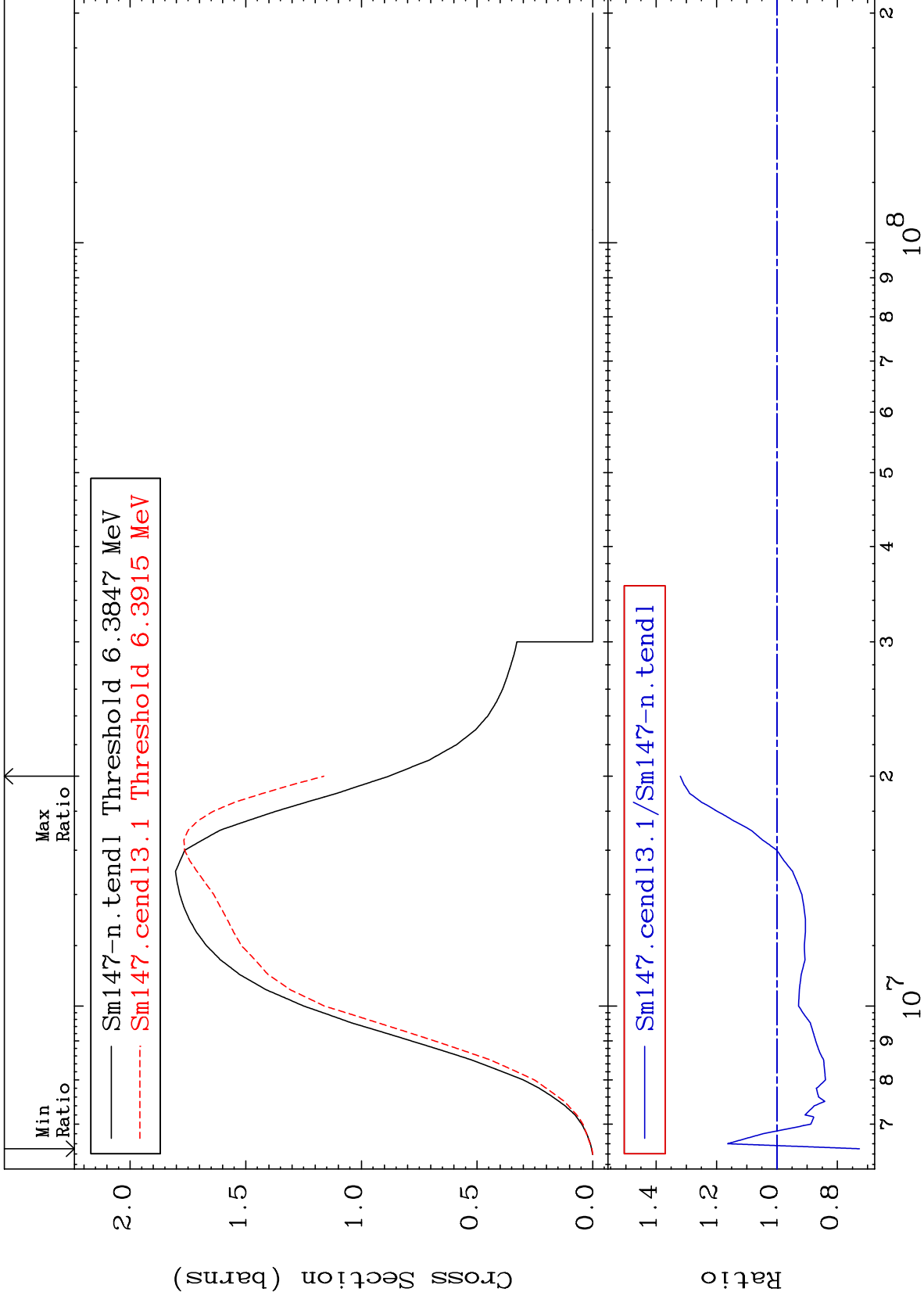
62-Sm-147
-18.17 To 78.27 %



MAT 6234

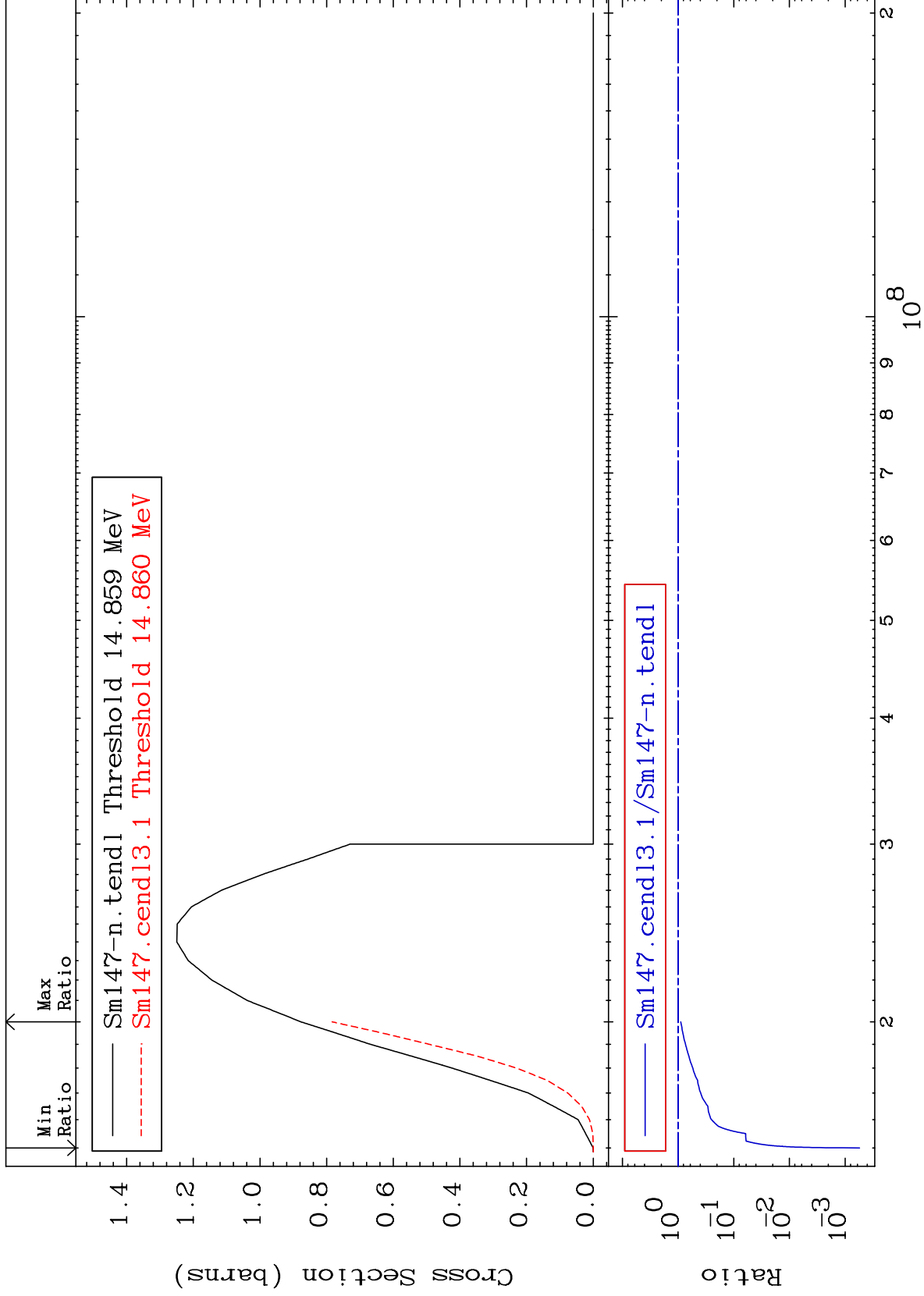
(n,2n)
Cross Section

62-Sm-147
-27.29 To 31.96 %



Cross Section

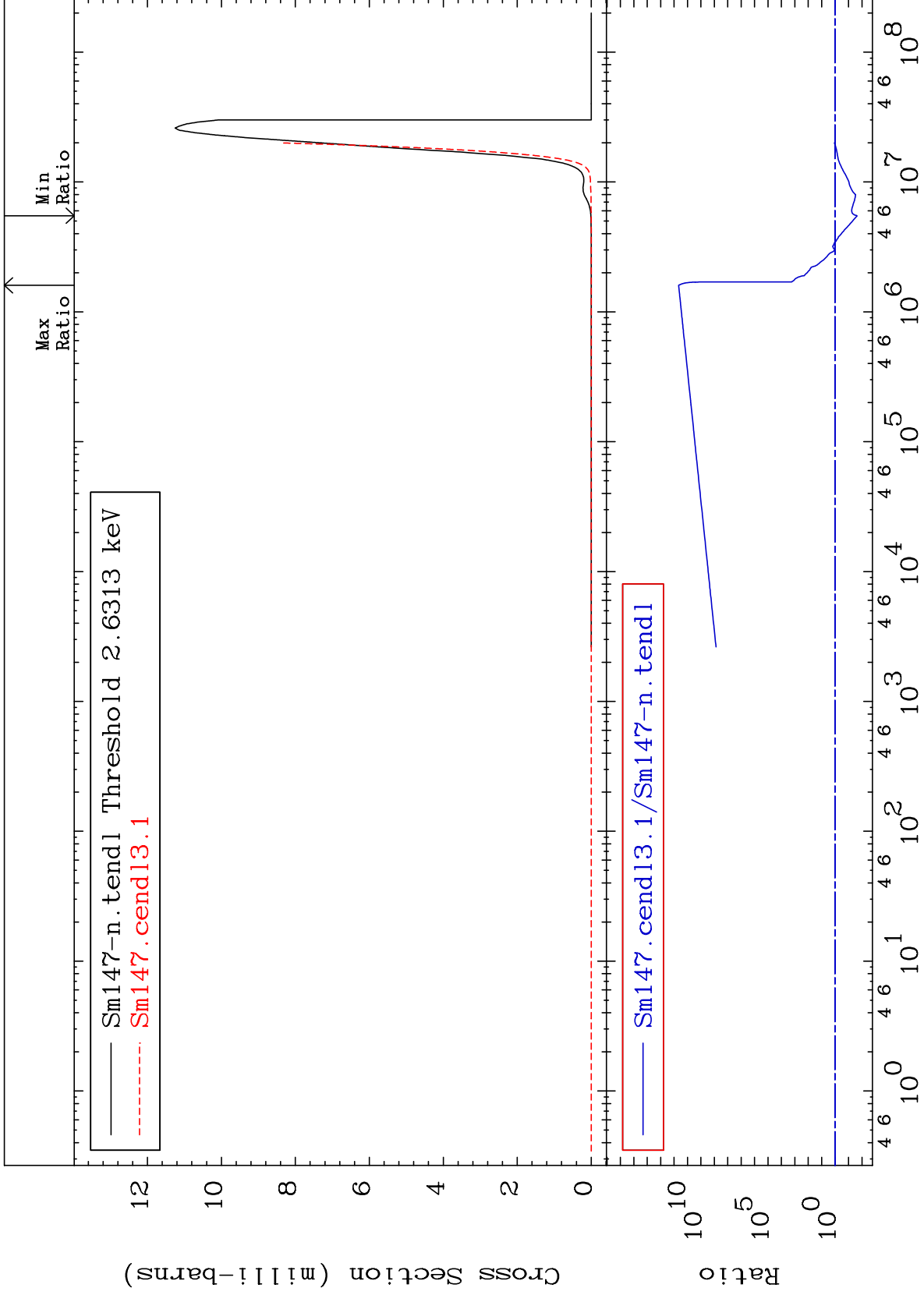
-99.94 To -10.66%



MAT 6234

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

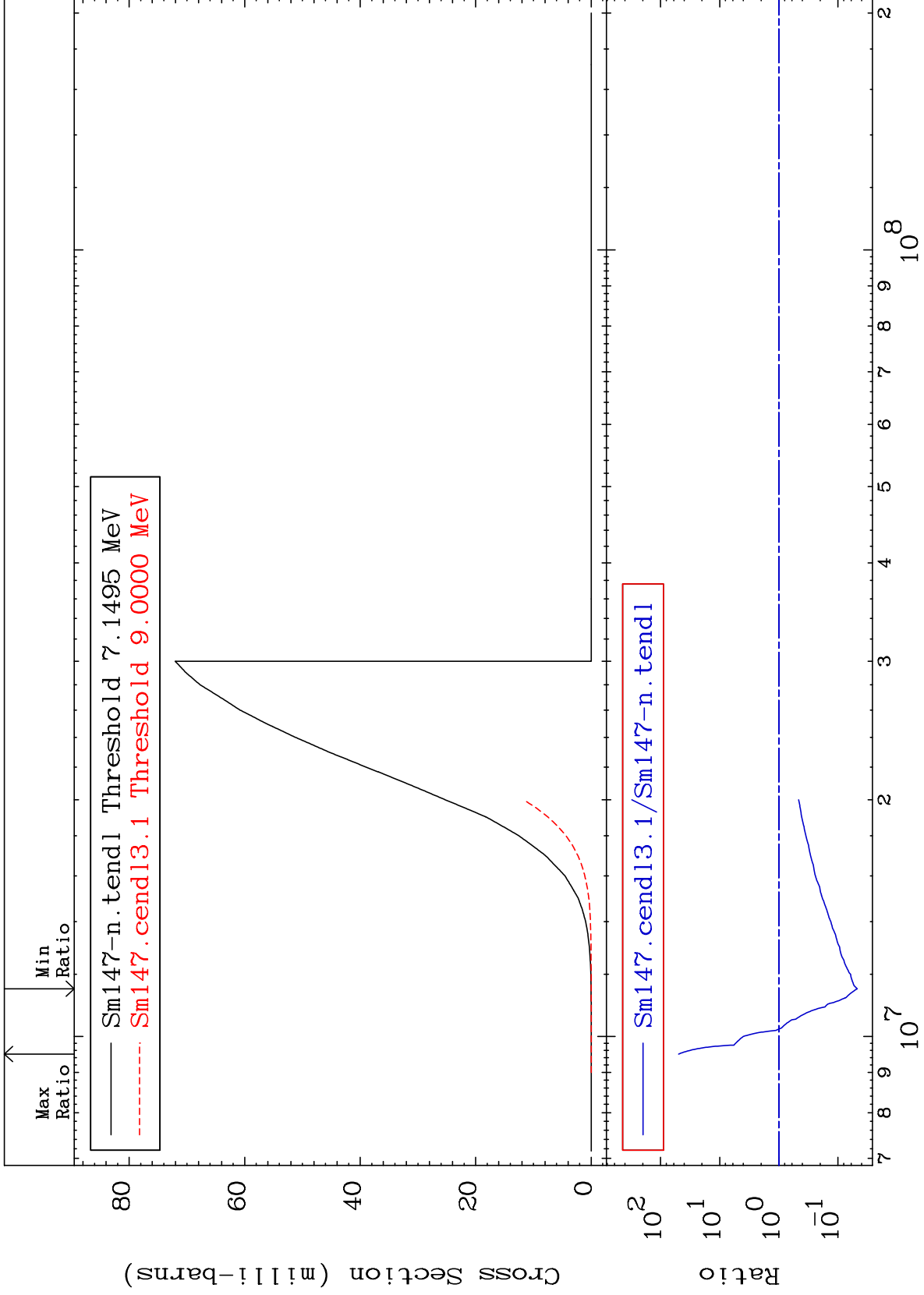
62-Sm-147
-97.77 To 9999. %



MAT 6234

(n, n') p
Cross Section

62-Sm-147
-95.28 To 4852. %



7

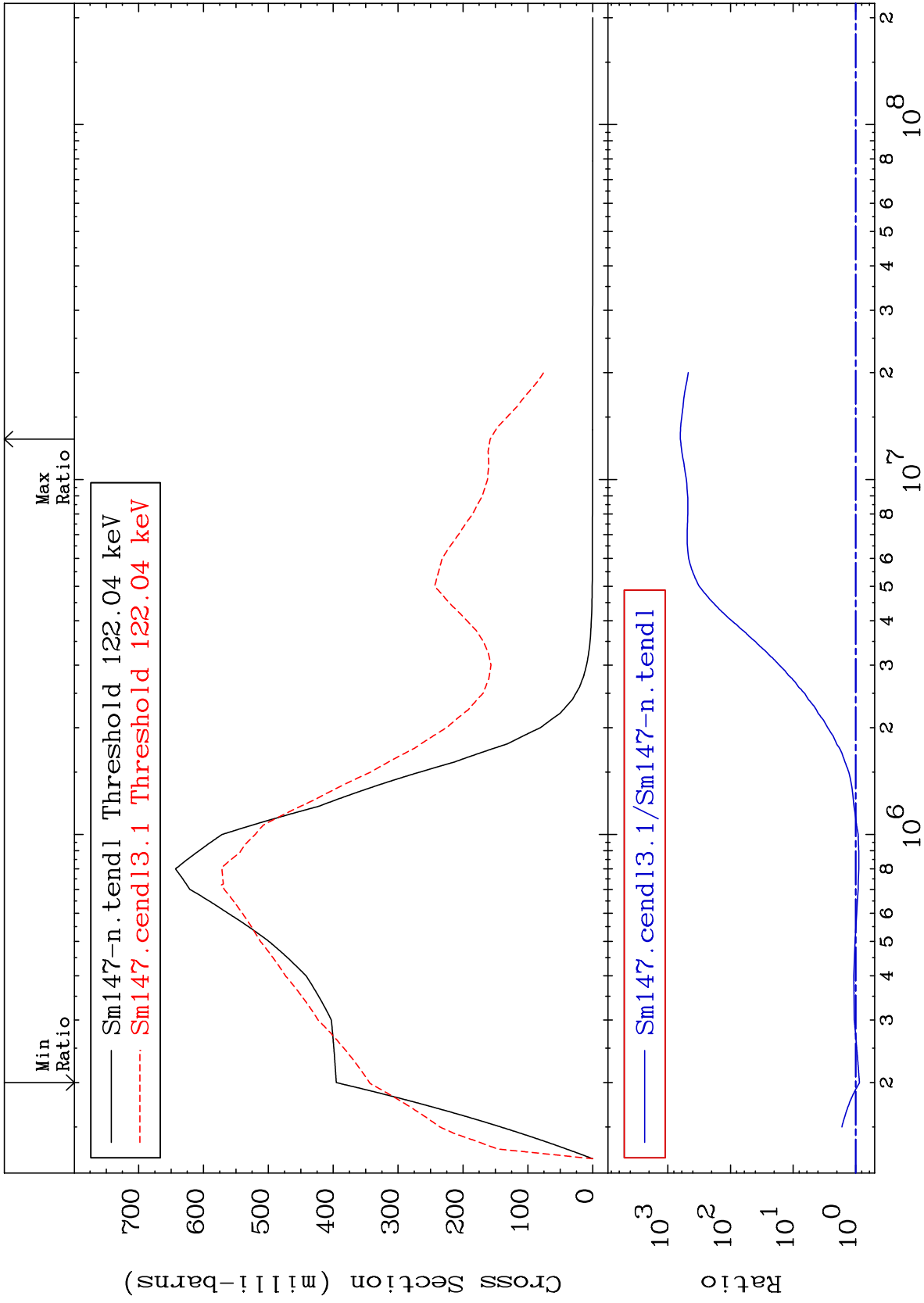
Incident Energy (eV)

62-Sm-147

MAT 6234

121.2 keV (n,n') Level
Cross Section

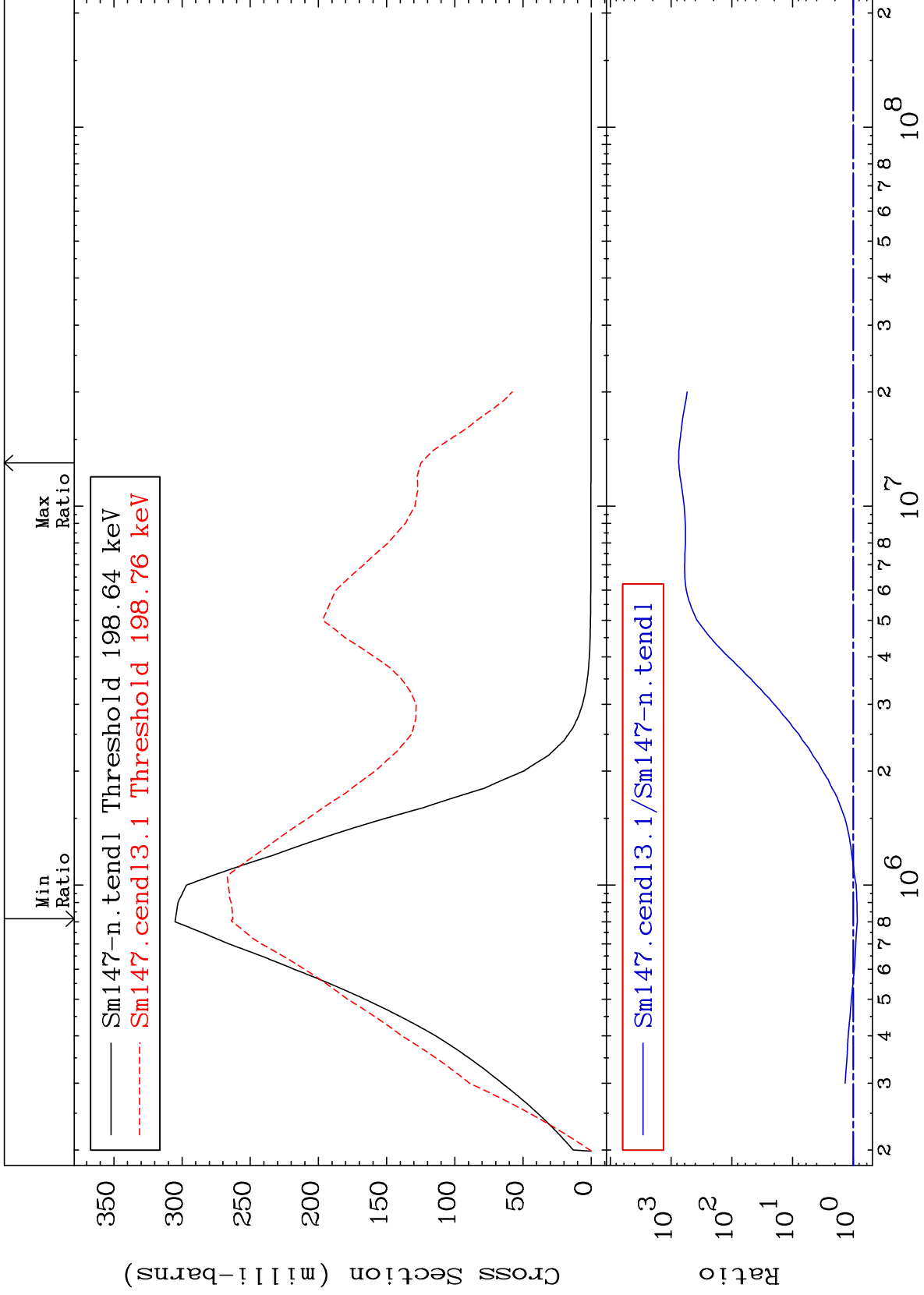
62-Sm-147
-12.98 To 9999. %



MAT 6234

197.3 keV (n,n') Level
Cross Section

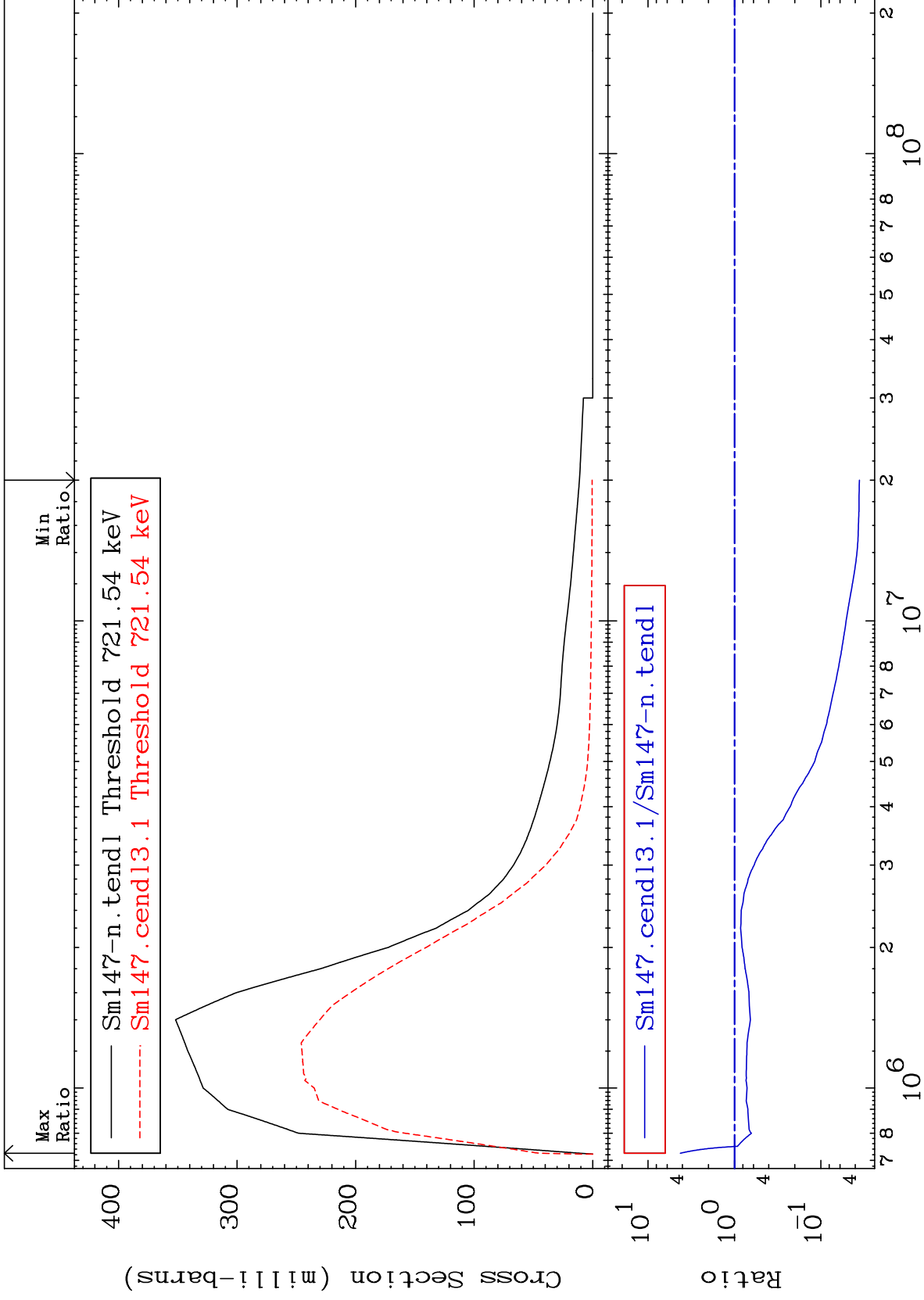
62-Sm-147
-13.81 To 9999. %



MAT 6234

716.6 keV (n,n') Level
Cross Section

62-Sm-147
-96.43 To 322.7 %



10

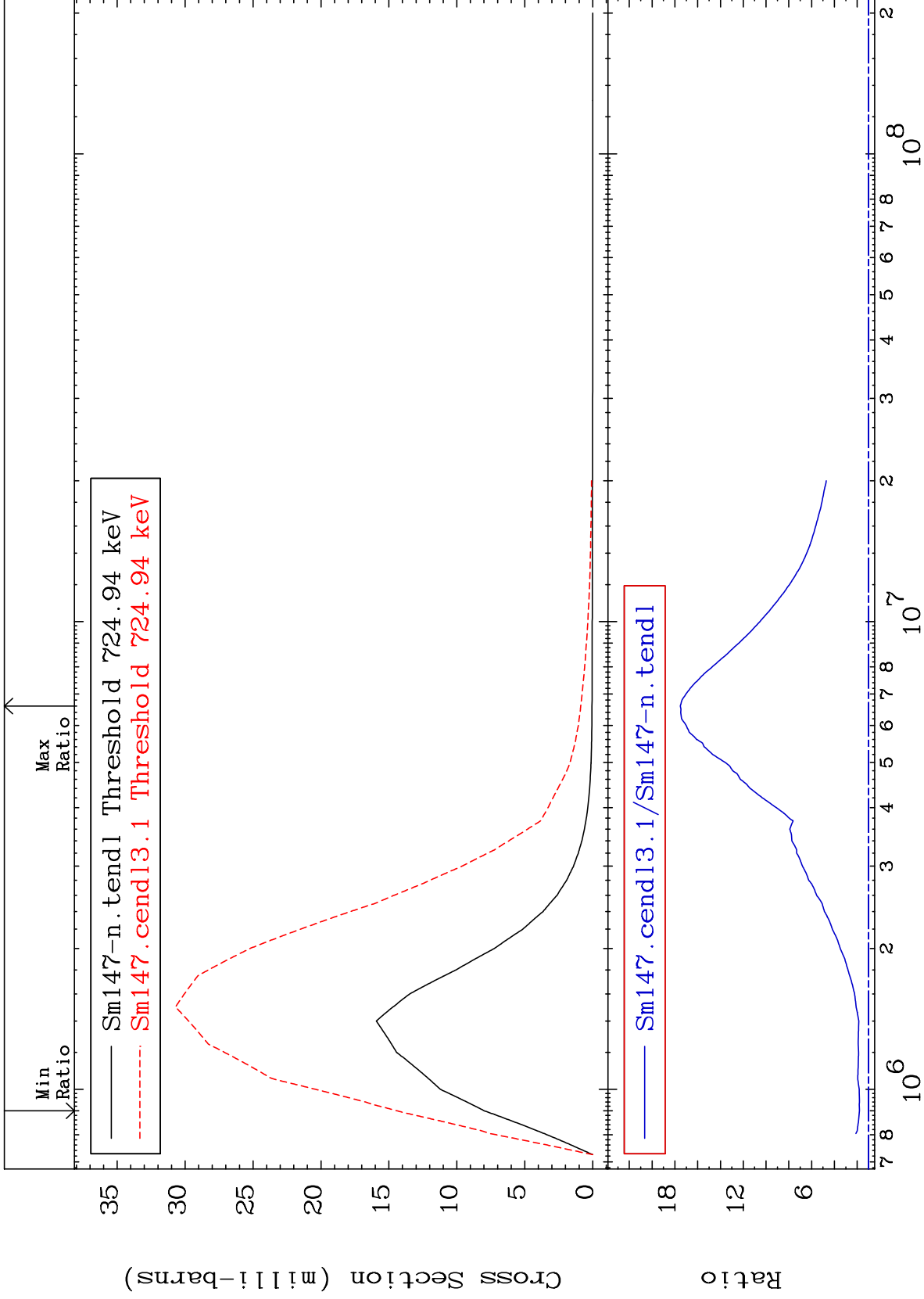
Incident Energy (eV)

62-Sm-147

MAT 6234

720.0 keV (n,n') Level
Cross Section

62-Sm-147
80.47 To 1652. %



11

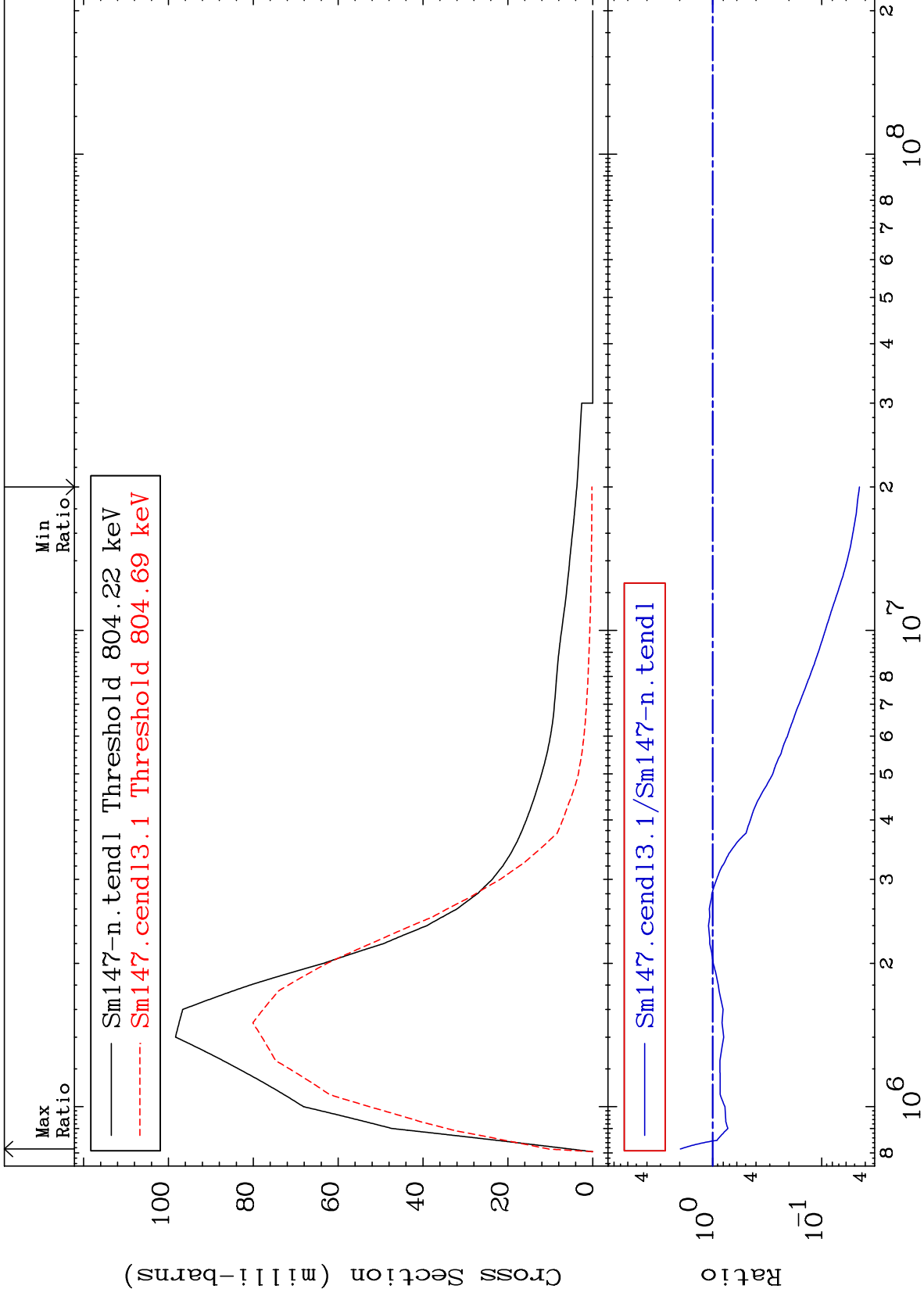
Incident Energy (eV)

62-Sm-147

MAT 6234

798.7 keV (n,n') Level
Cross Section

62-Sm-147
-95.48 To 97.57 %



12

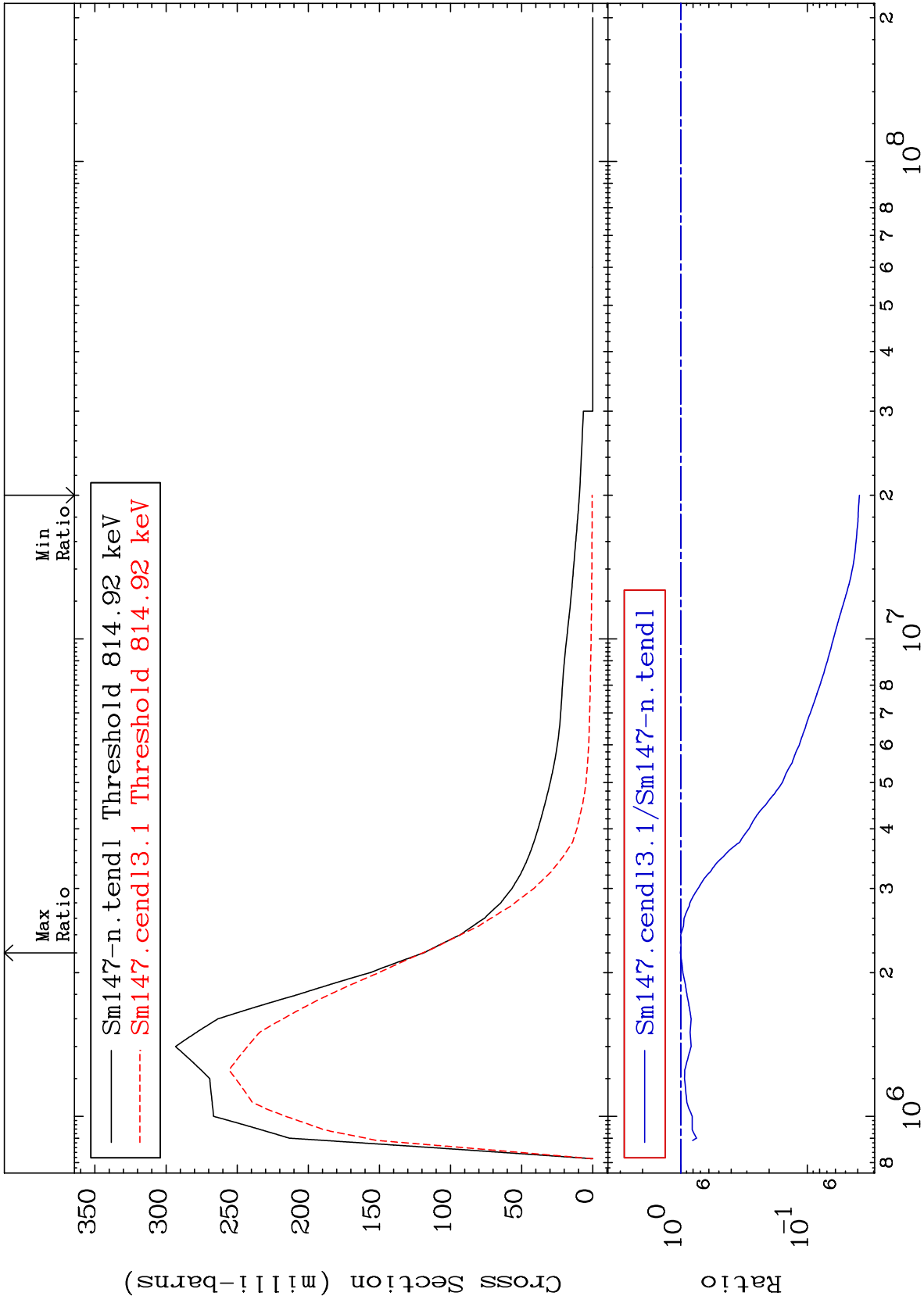
Incident Energy (eV)

62-Sm-147

MAT 6234

809.4 keV (n,n') Level
Cross Section

62-Sm-147
-96.12 To 0.564 %



13

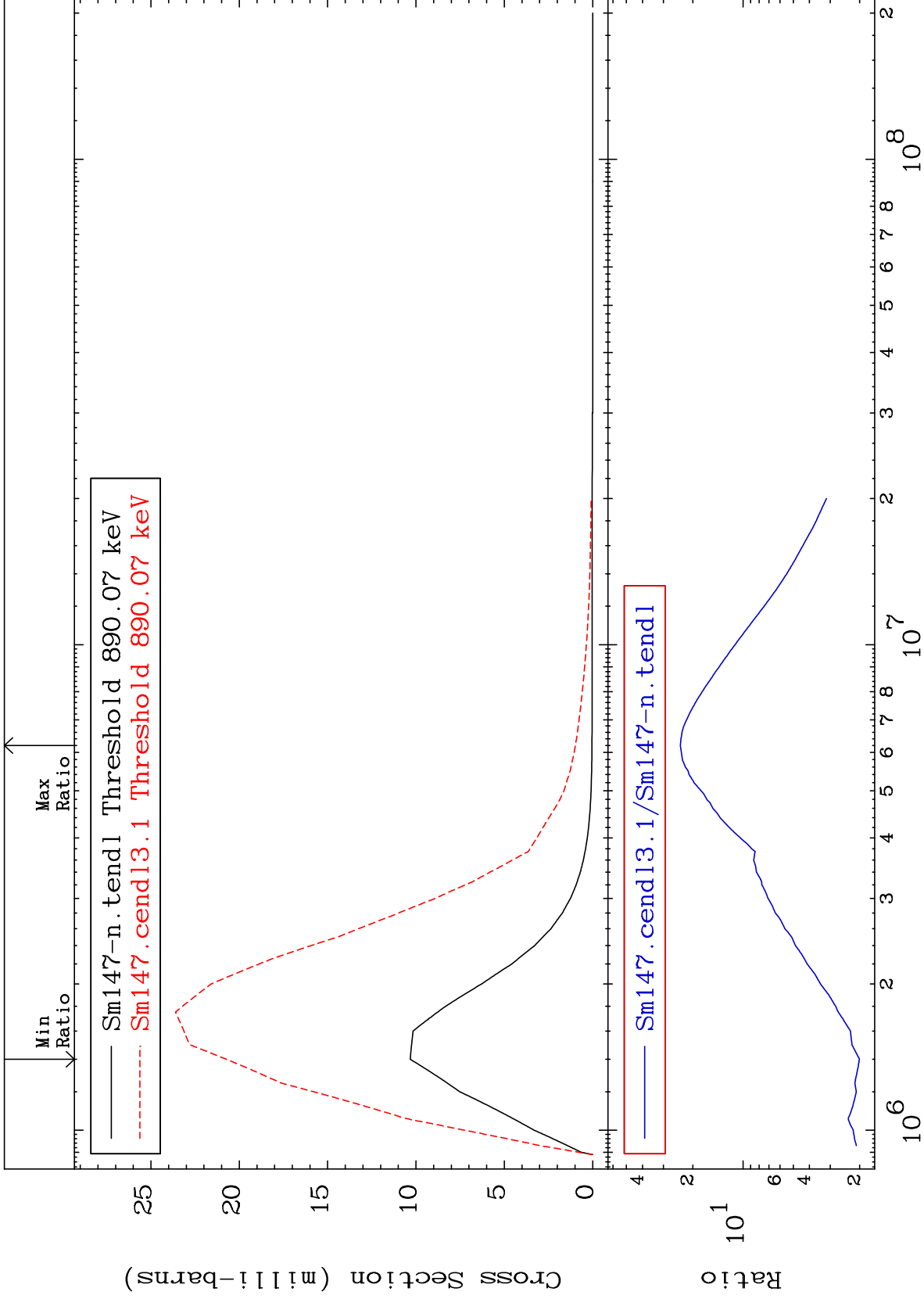
Incident Energy (eV)

62-Sm-147

MAT 6234

884.0 keV (n,n') Level
Cross Section

62-Sm-147
100.9 To 2272. %



14

Incident Energy (eV)

62-Sm-147

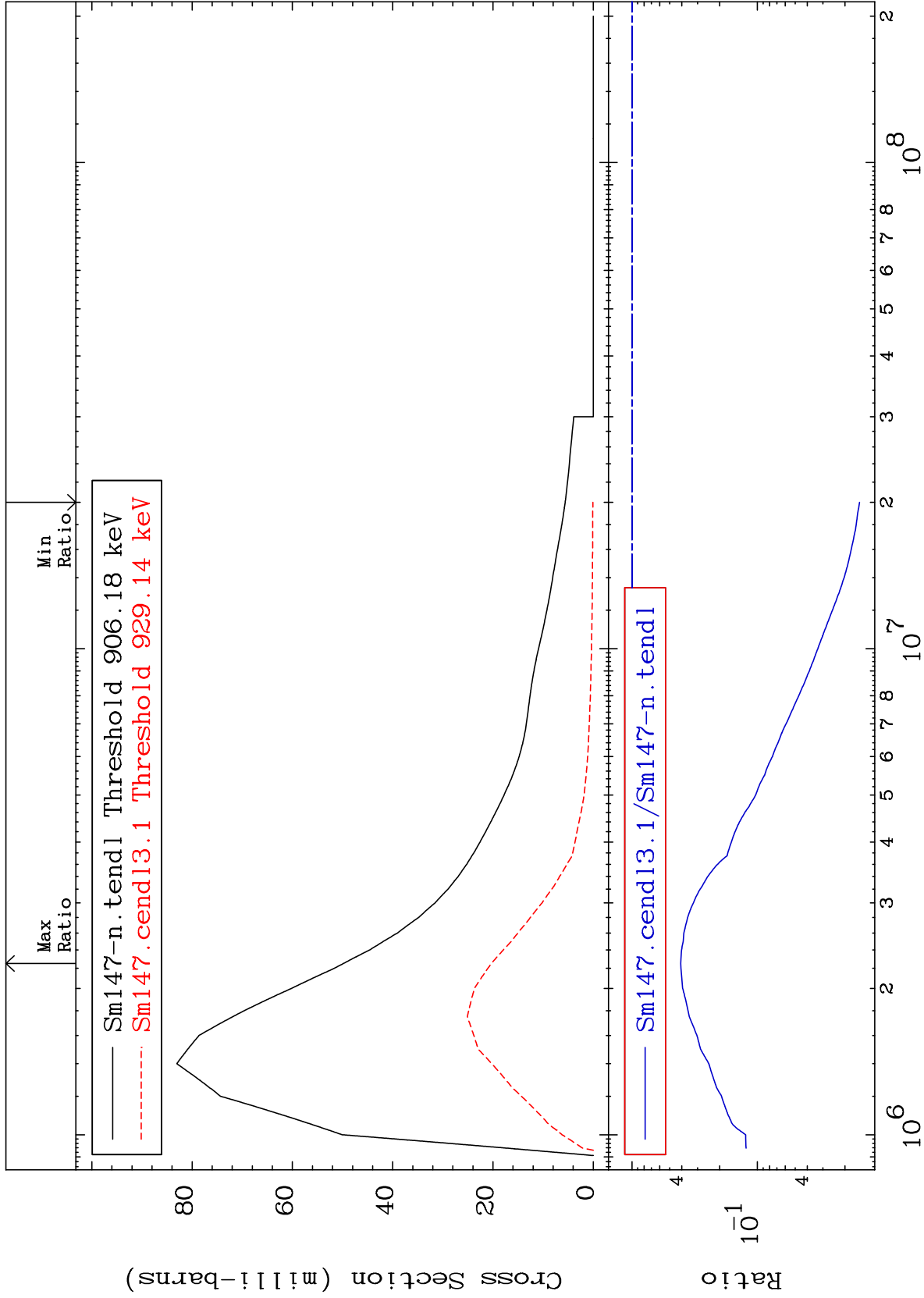
MAT 6234

900.0 keV (n,n') Level

62-Sm-147

-98.47 To -59.20%

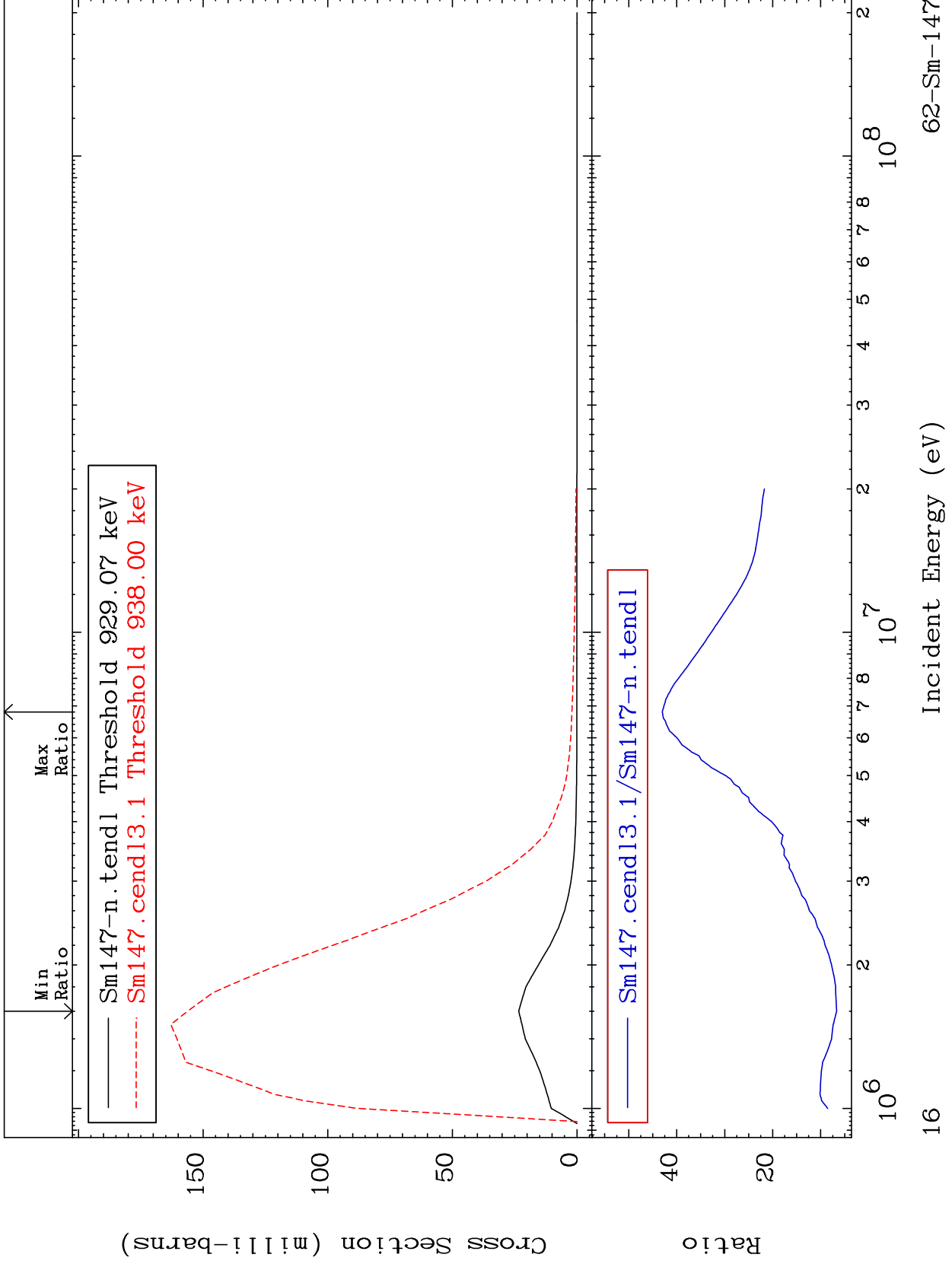
Cross Section



MAT 6234

922.7 keV (n,n') Level
Cross Section

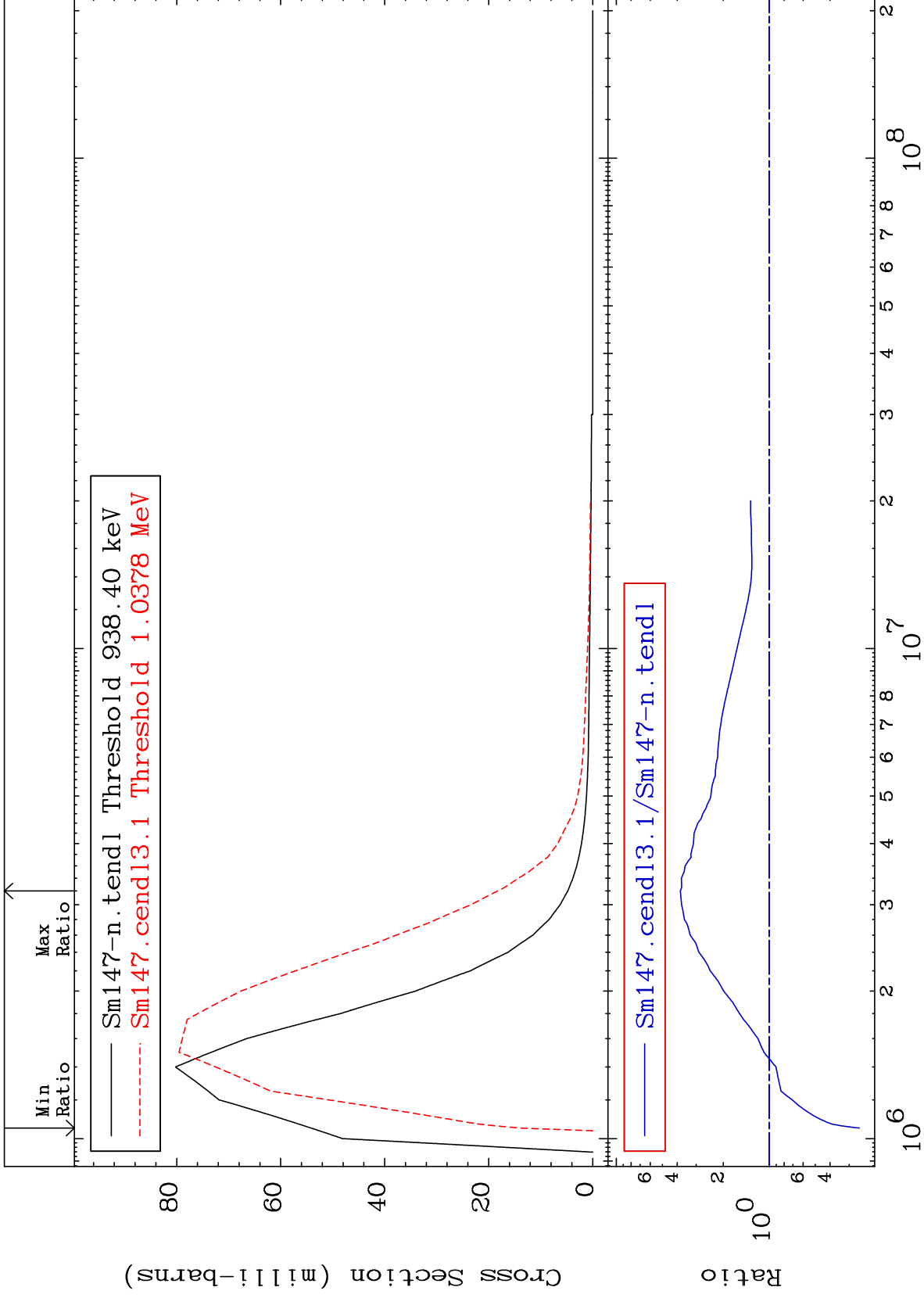
62-Sm-147
567.7 To 4200. %



MAT 6234

932.0 keV (n,n') Level
Cross Section

62-Sm-147
-74.27 To 281.1 %



17

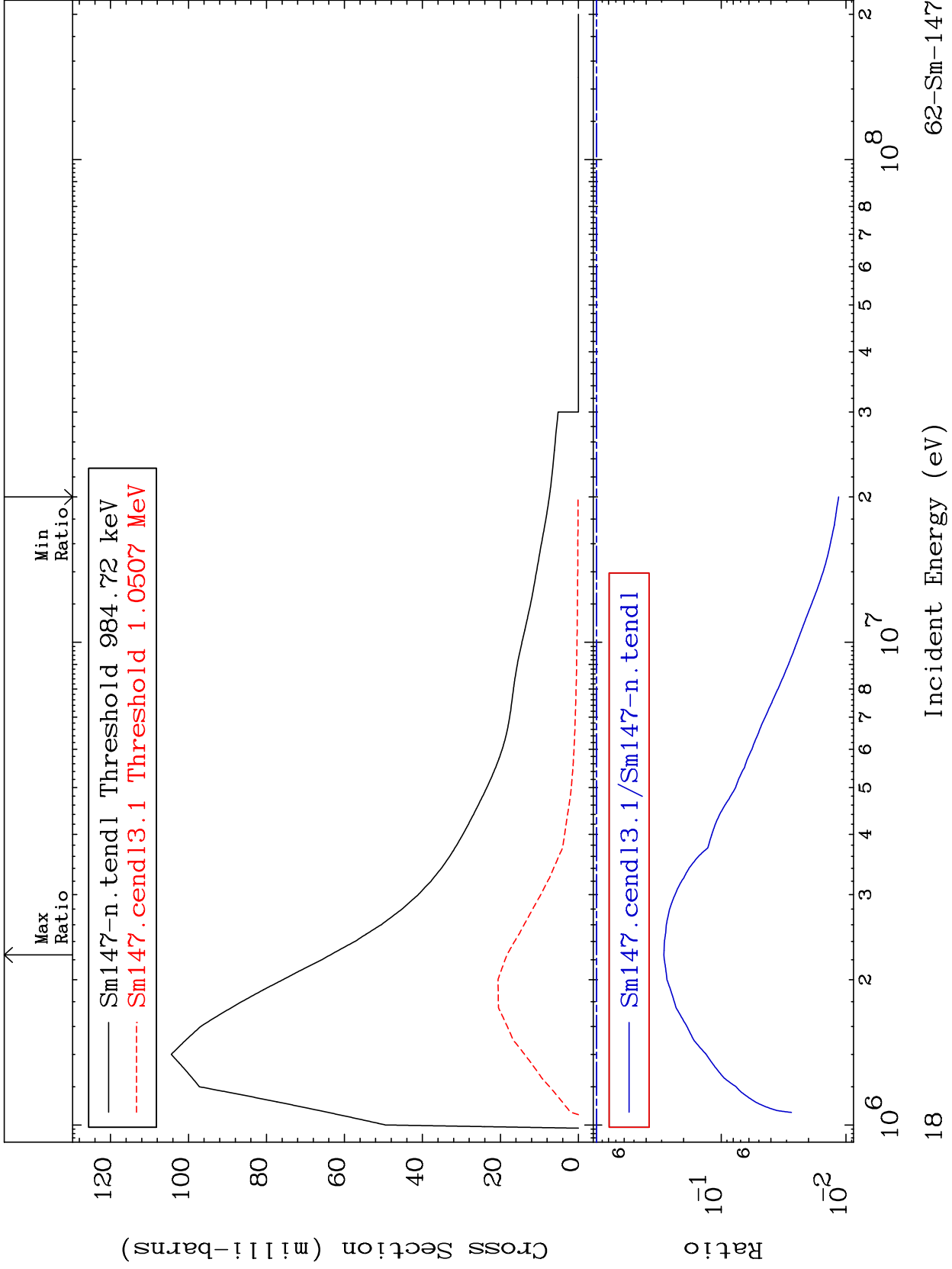
Incident Energy (eV)

62-Sm-147

MAT 6234

978.0 keV (n,n') Level
Cross Section

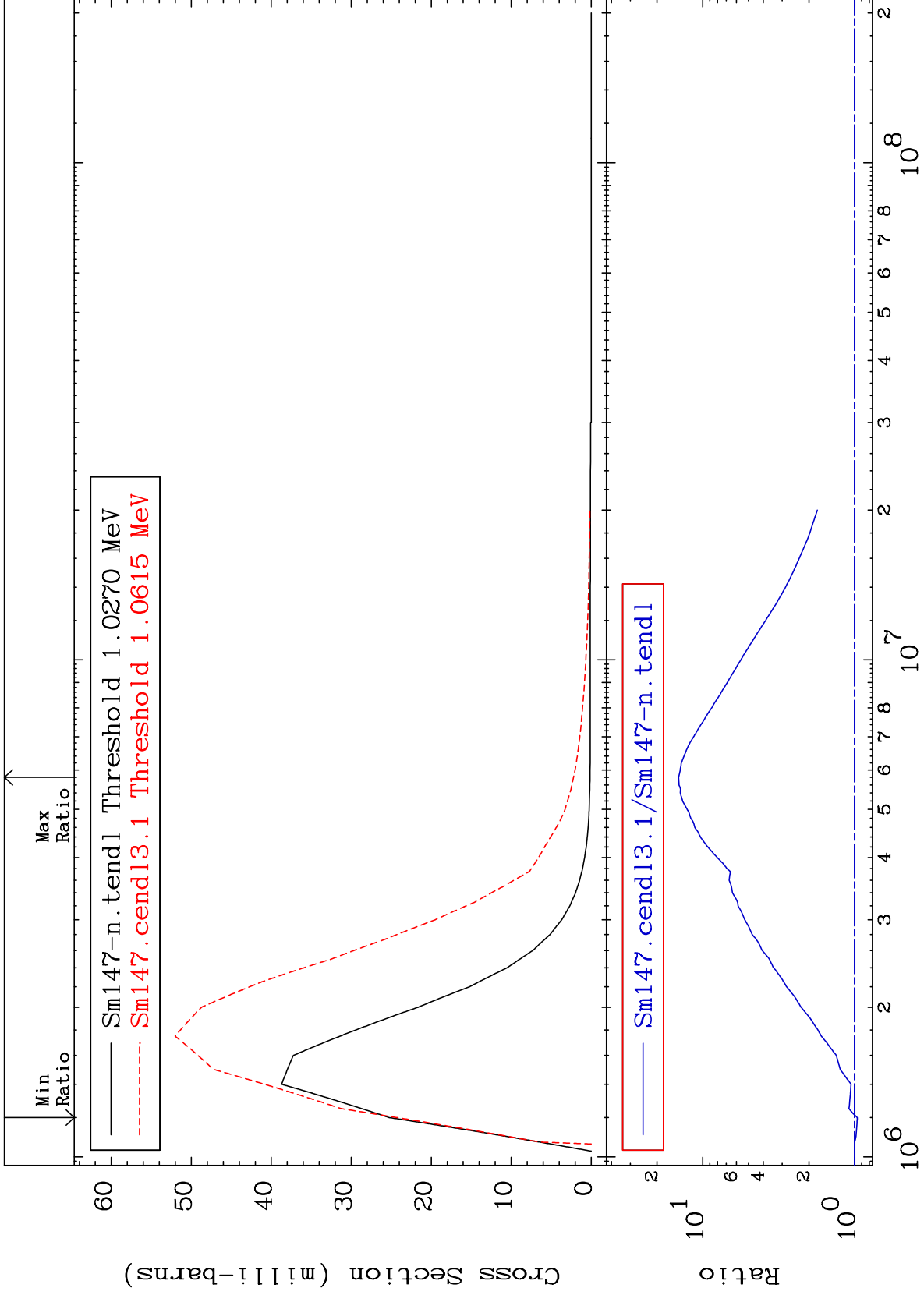
62-Sm-147
-98.85 To -71.19%



MAT 6234

1.020 MeV (n,n') Level
Cross Section

62-Sm-147
-3.870 To 1342. %



19

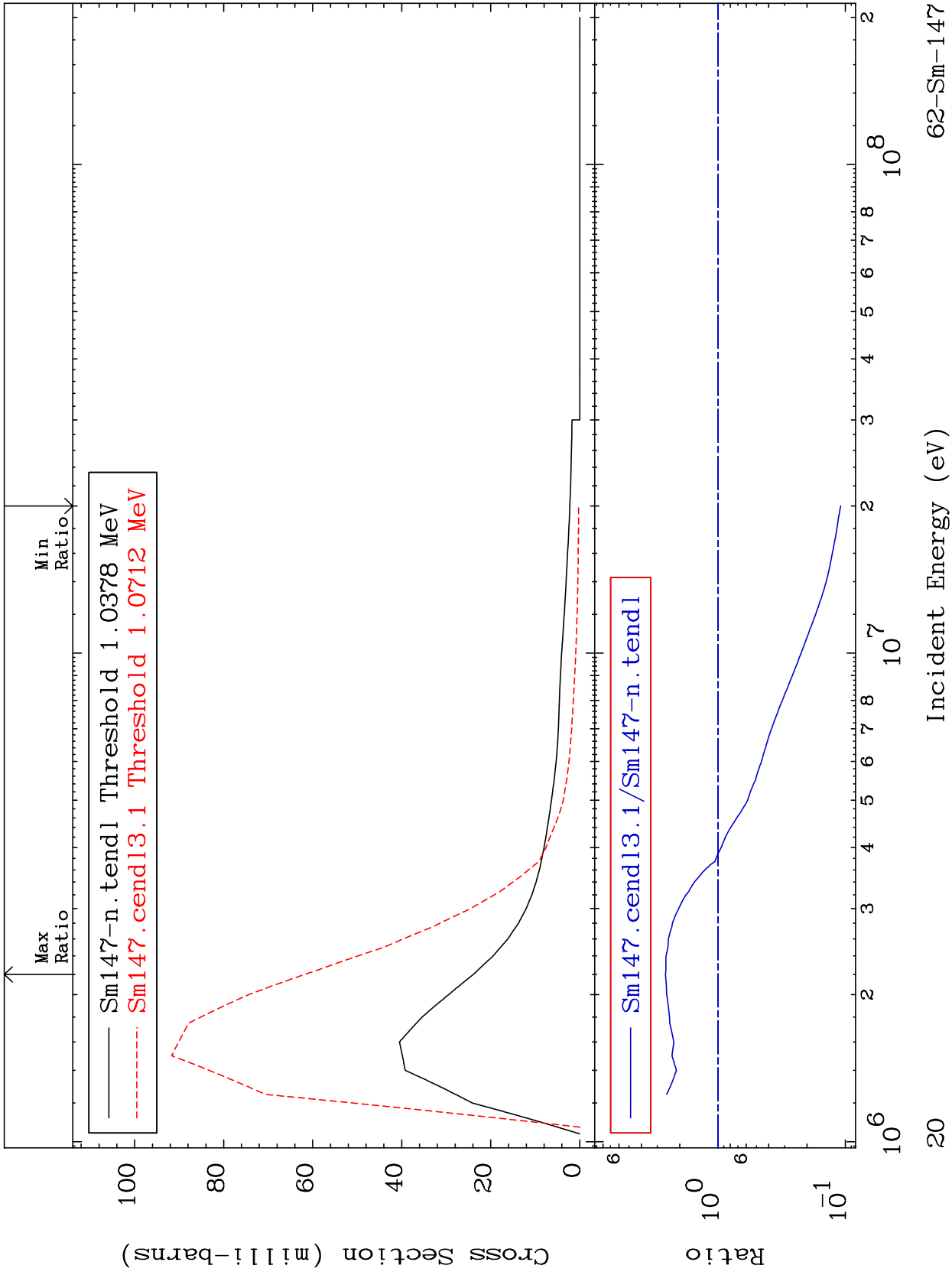
Incident Energy (eV)

62-Sm-147

MAT 6234

1.031 MeV (n,n') Level
Cross Section

62-Sm-147
-89.11 To 158.6 %



62-Sm-147

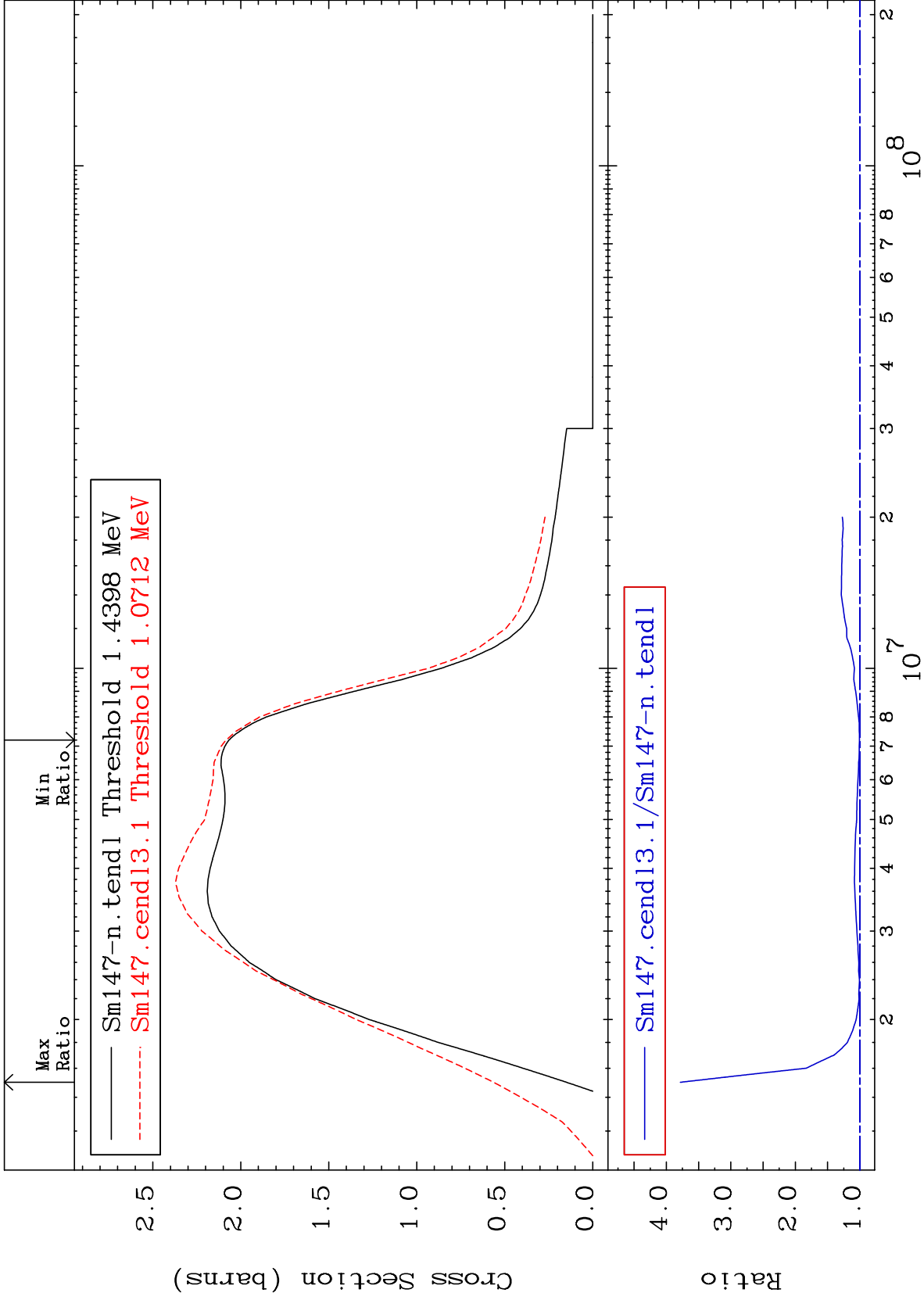
Incident Energy (eV)

20

MAT 6234

(n, n') Continuum
Cross Section

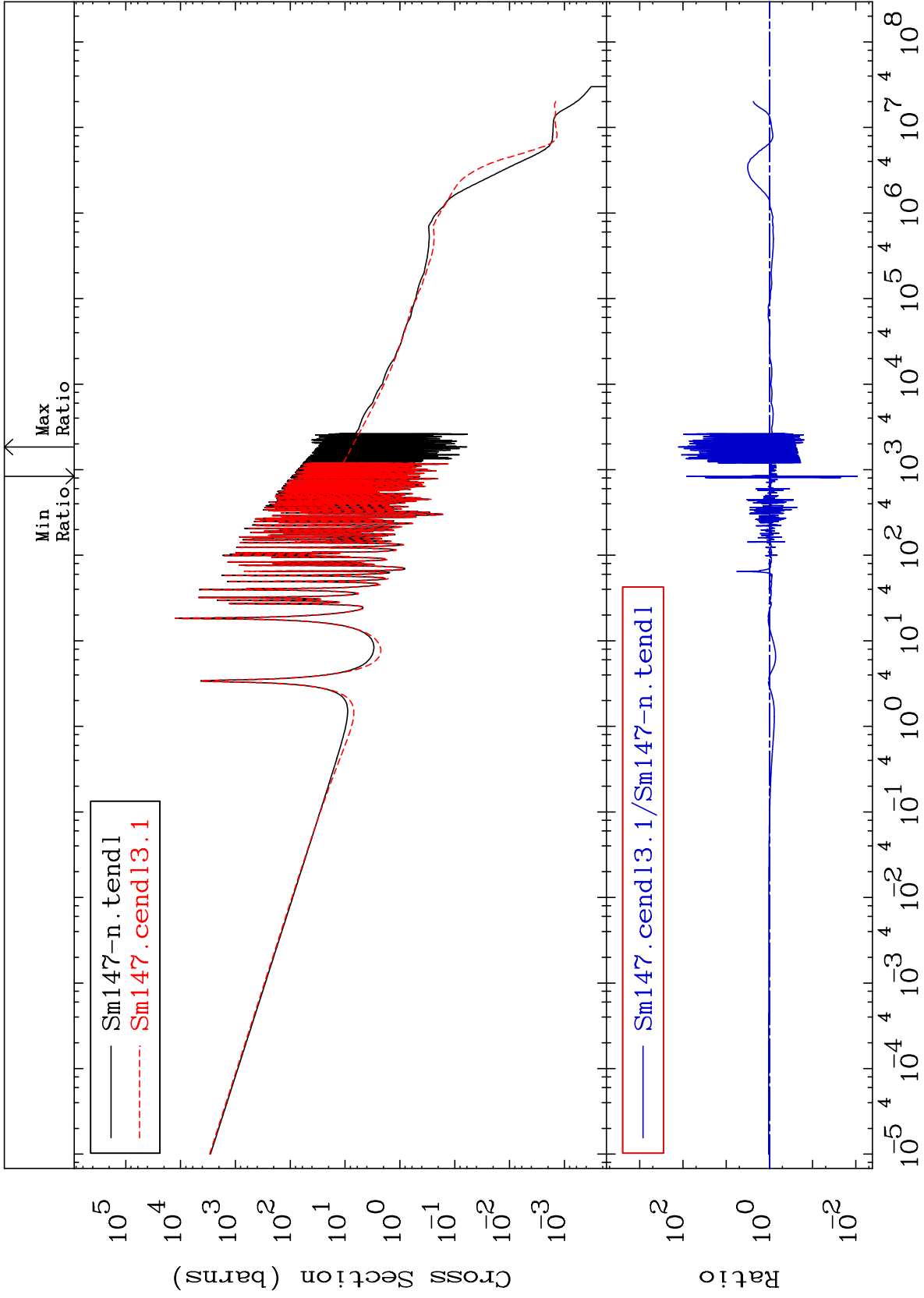
62-Sm-147
0.694 To 278.3 %



MAT 6234

(n, γ)
Cross Section

62-Sm-147
-99.07 To 9999. %



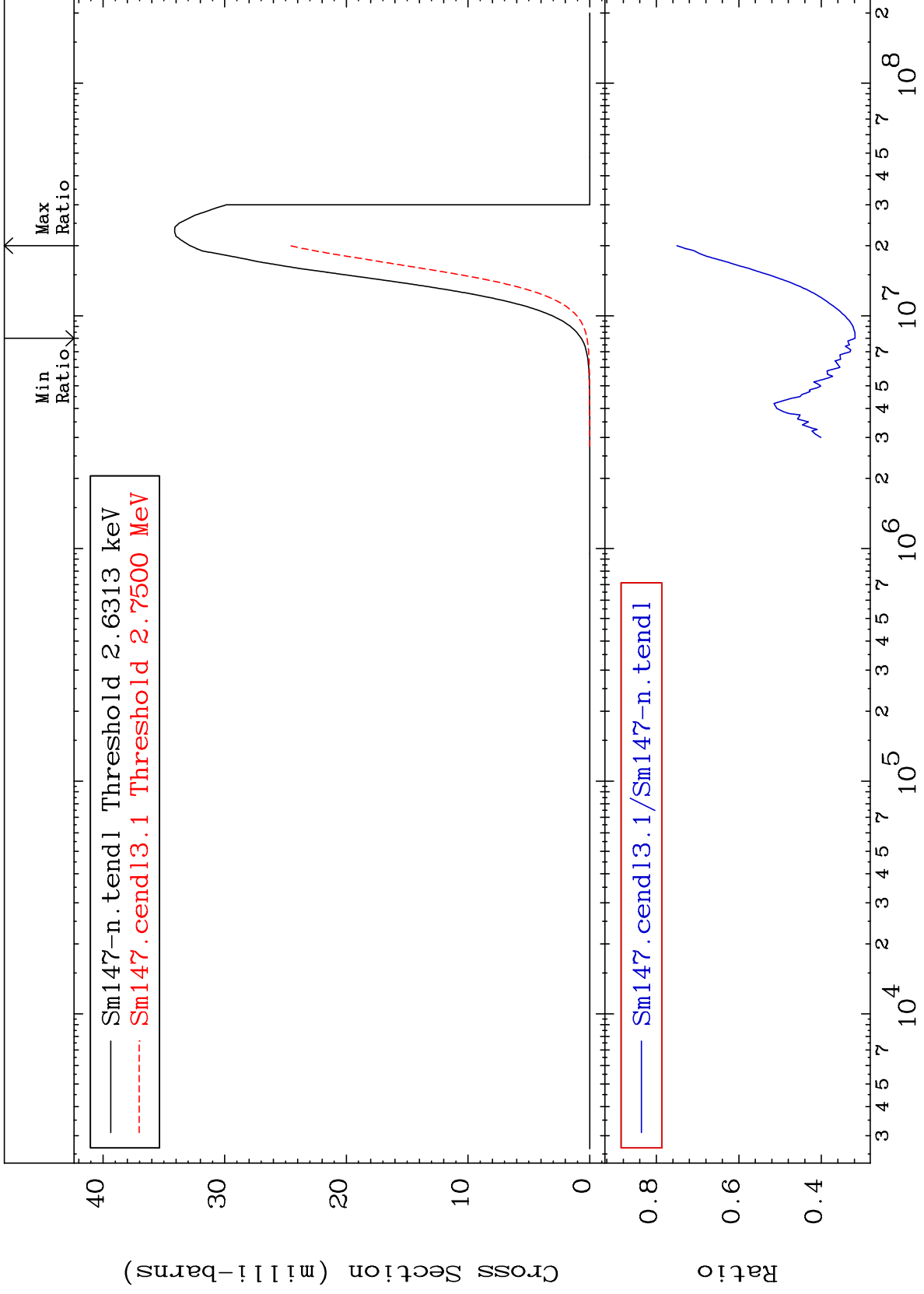
MAT 6234

(n,p)

Cross Section

62-Sm-147

-68.18 To -24.99%



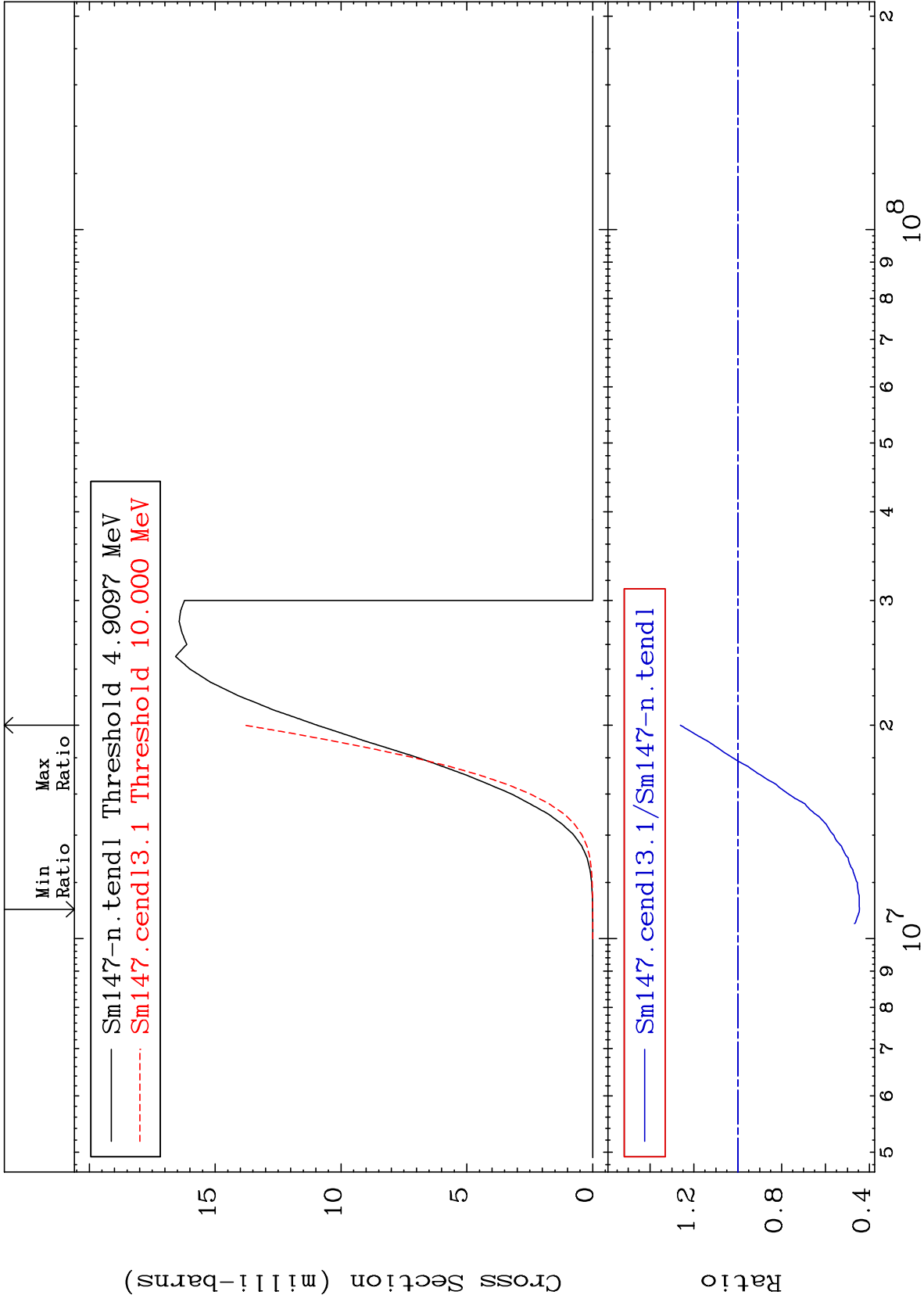
MAT 6234

(n, d)

62-Sm-147

Cross Section

-55.46 To 26.19 %



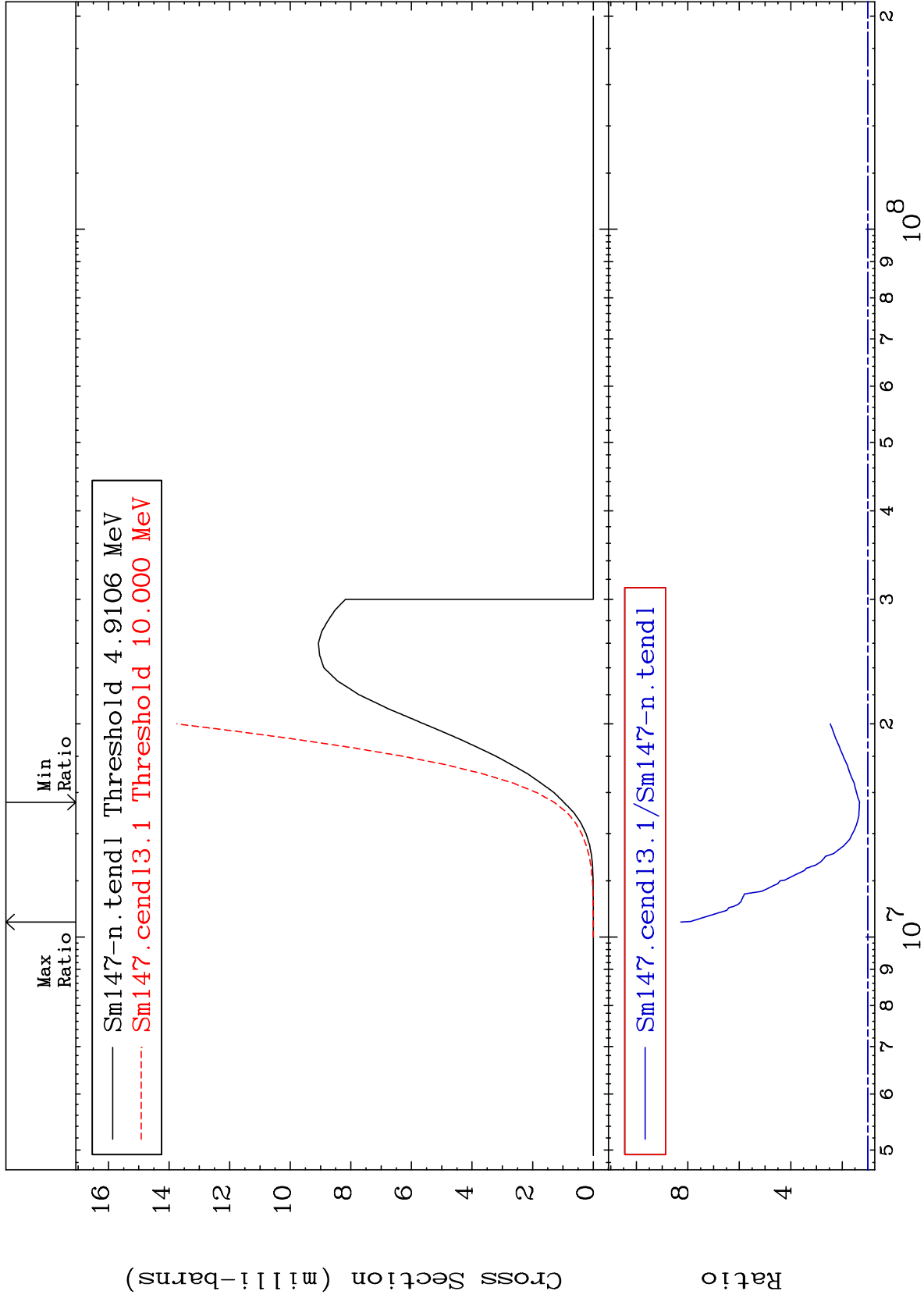
MAT 6234

(n, t)

62-Sm-147

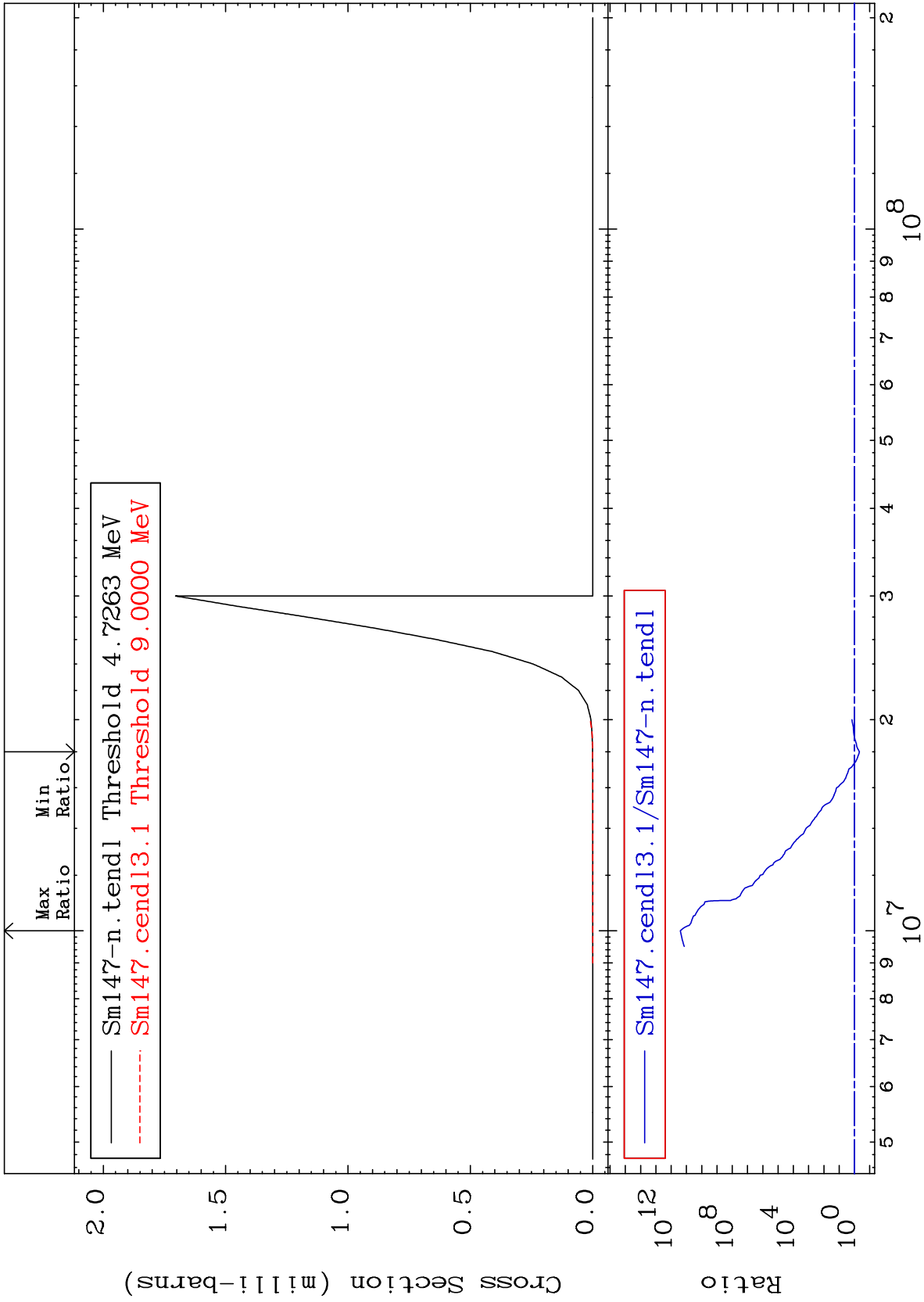
Cross Section

32.49 To 727.7 %



Cross Section

-53.04 To 9999. %



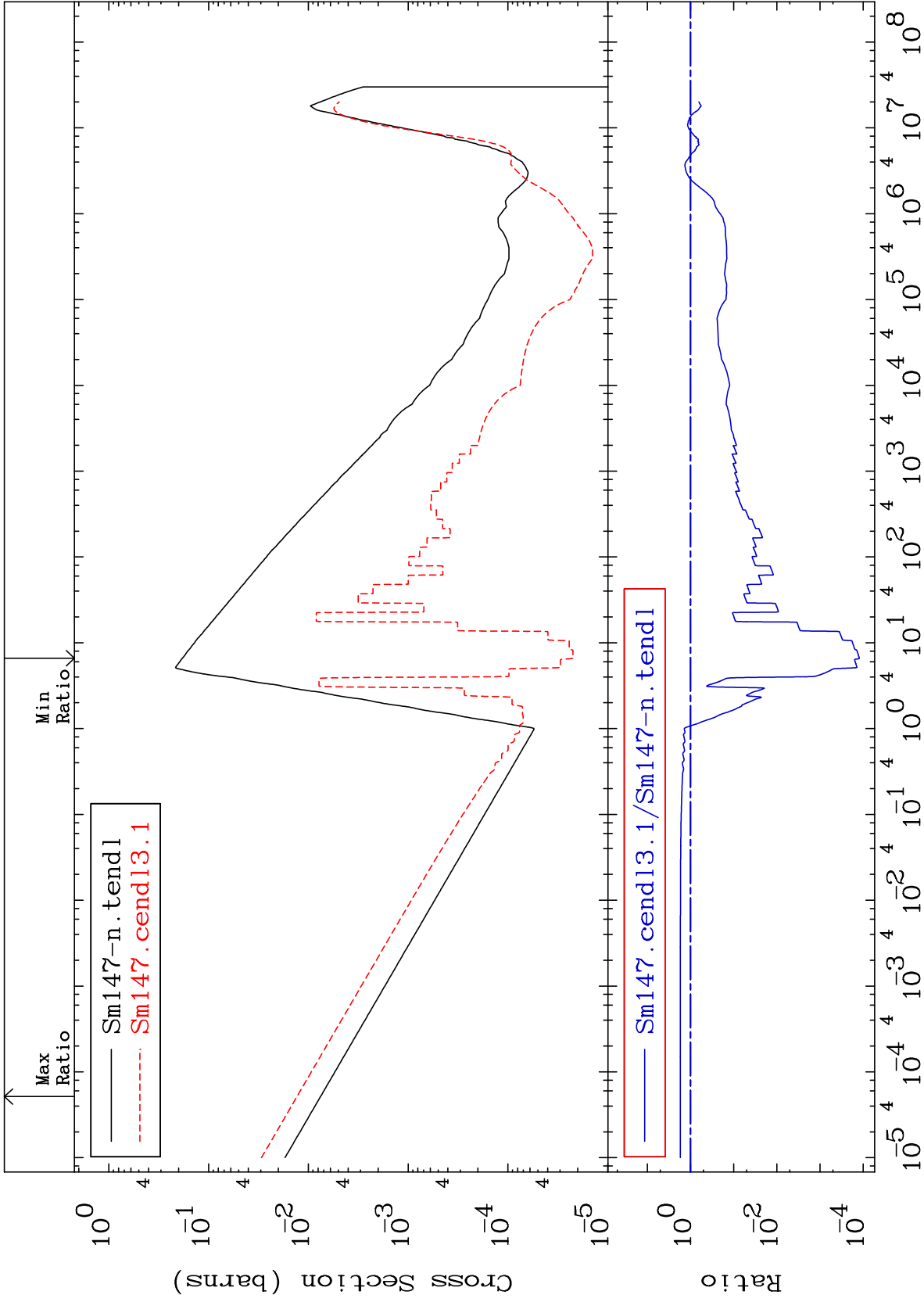
MAT 6234

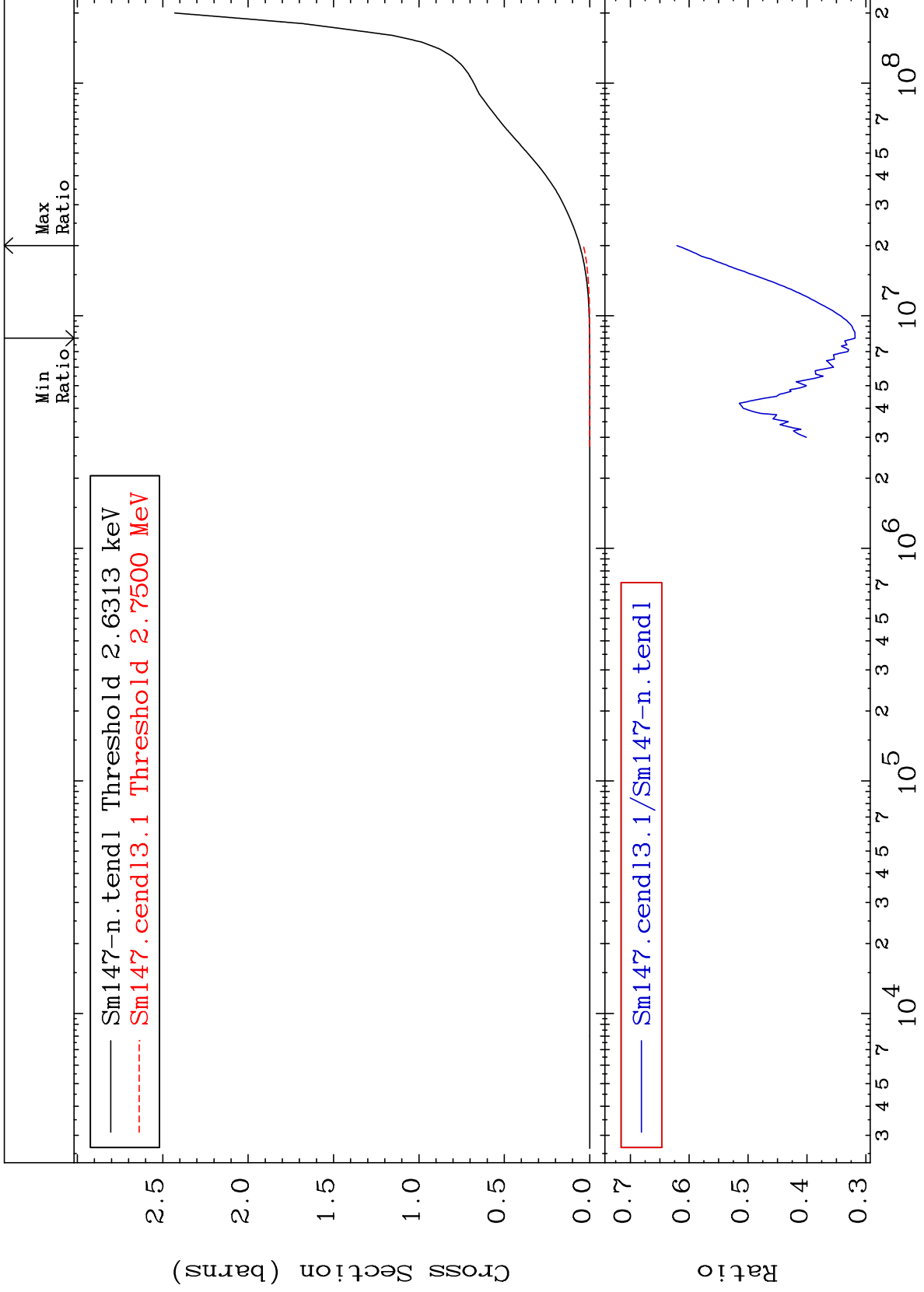
(n, α)

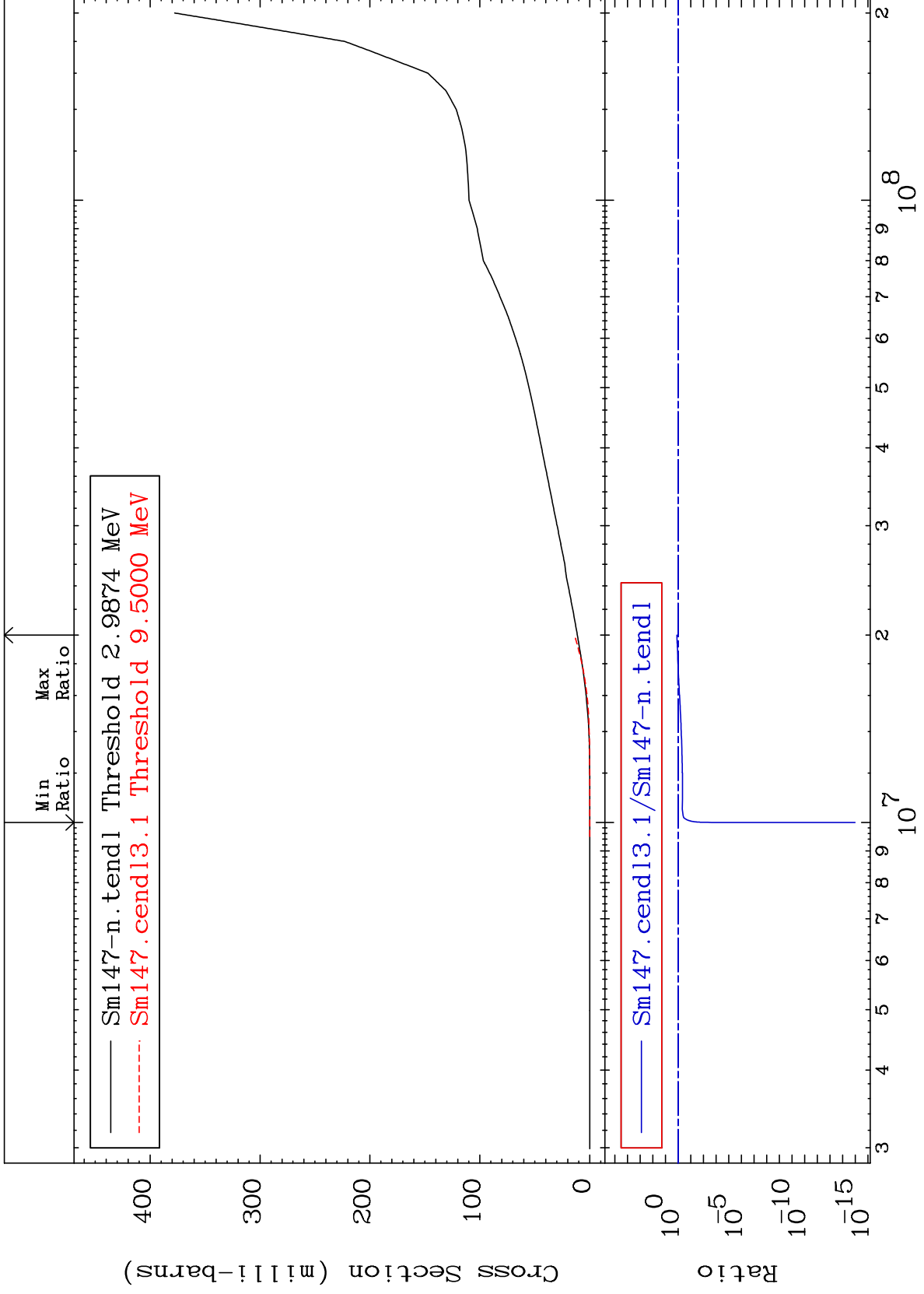
62-Sm-147

Cross Section

-99.99 To 72.17 %



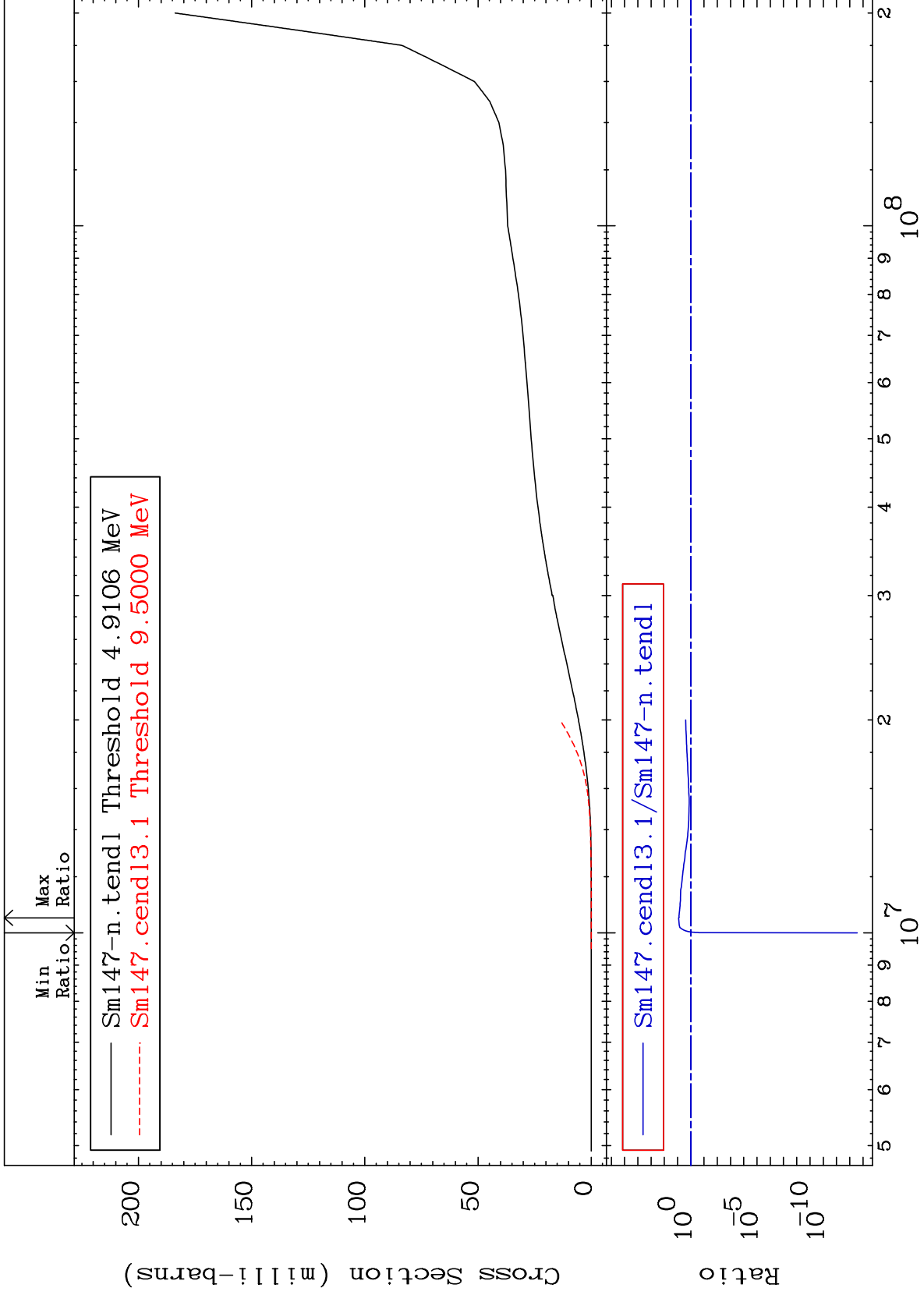




MAT 6234

Tritium Production
Cross Section

62-Sm-147
-100.0 To 727.7 %



30

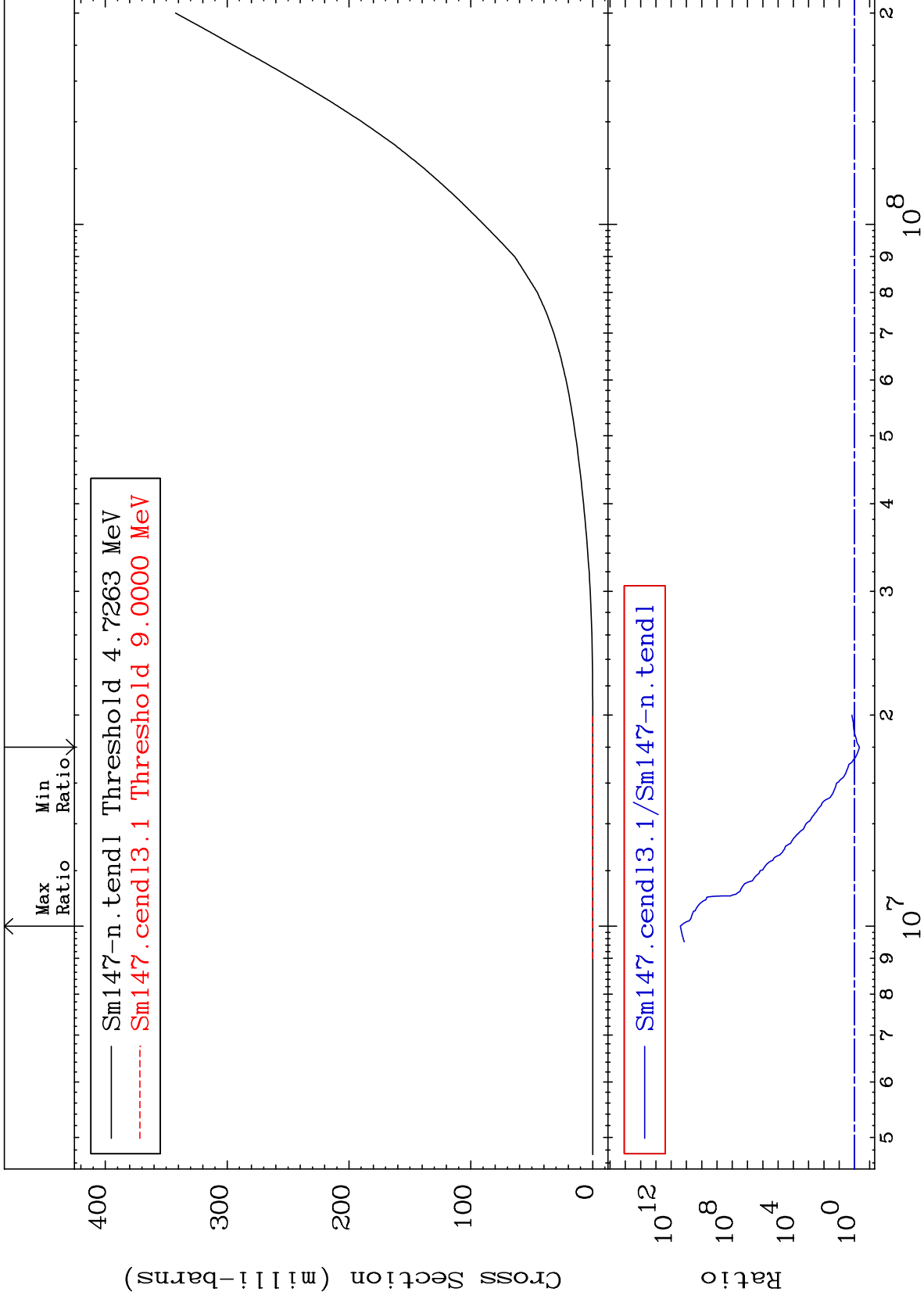
Incident Energy (eV)

62-Sm-147

MAT 6234

He-3 Production
Cross Section

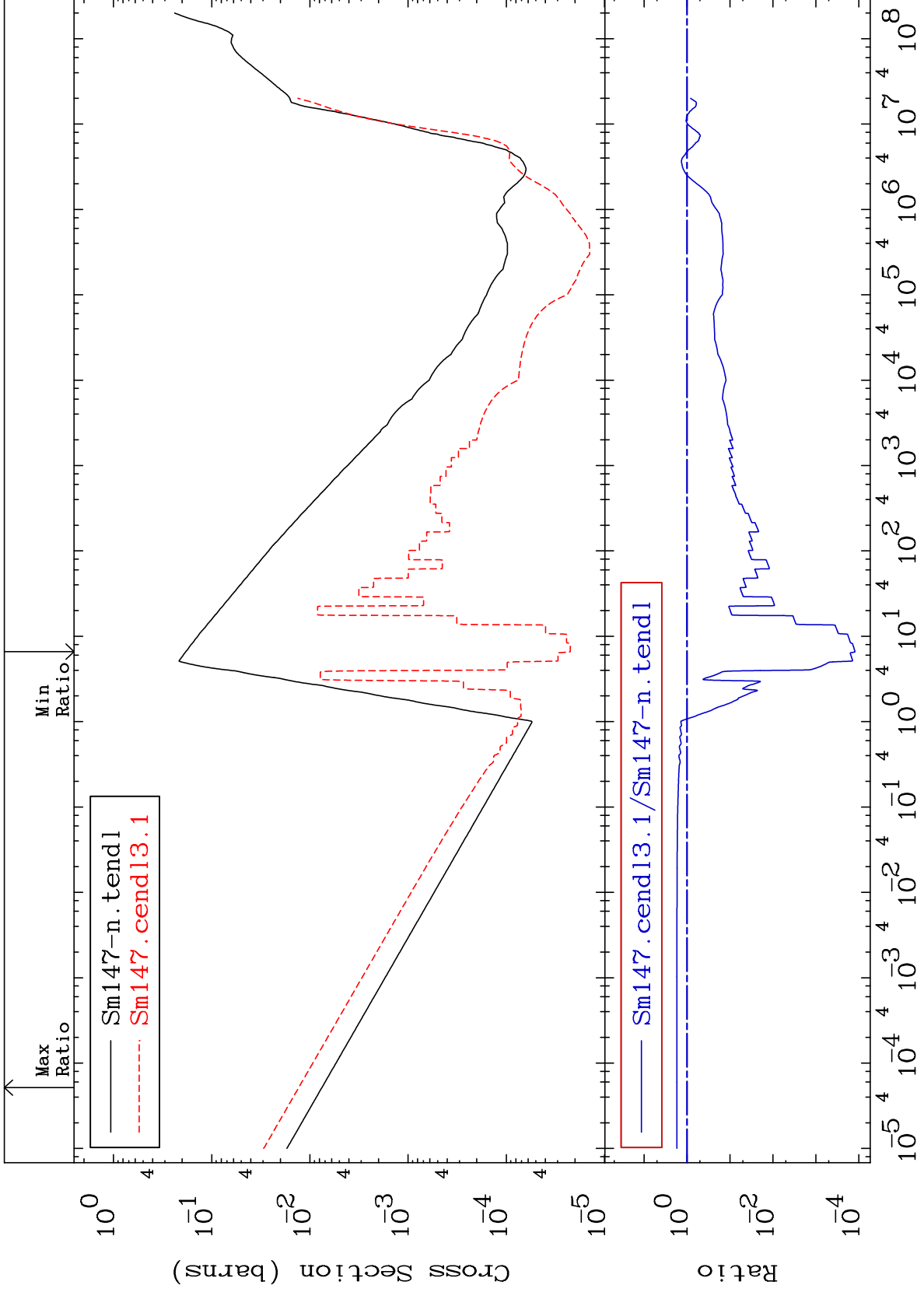
62-Sm-147
-53.04 To 9999. %

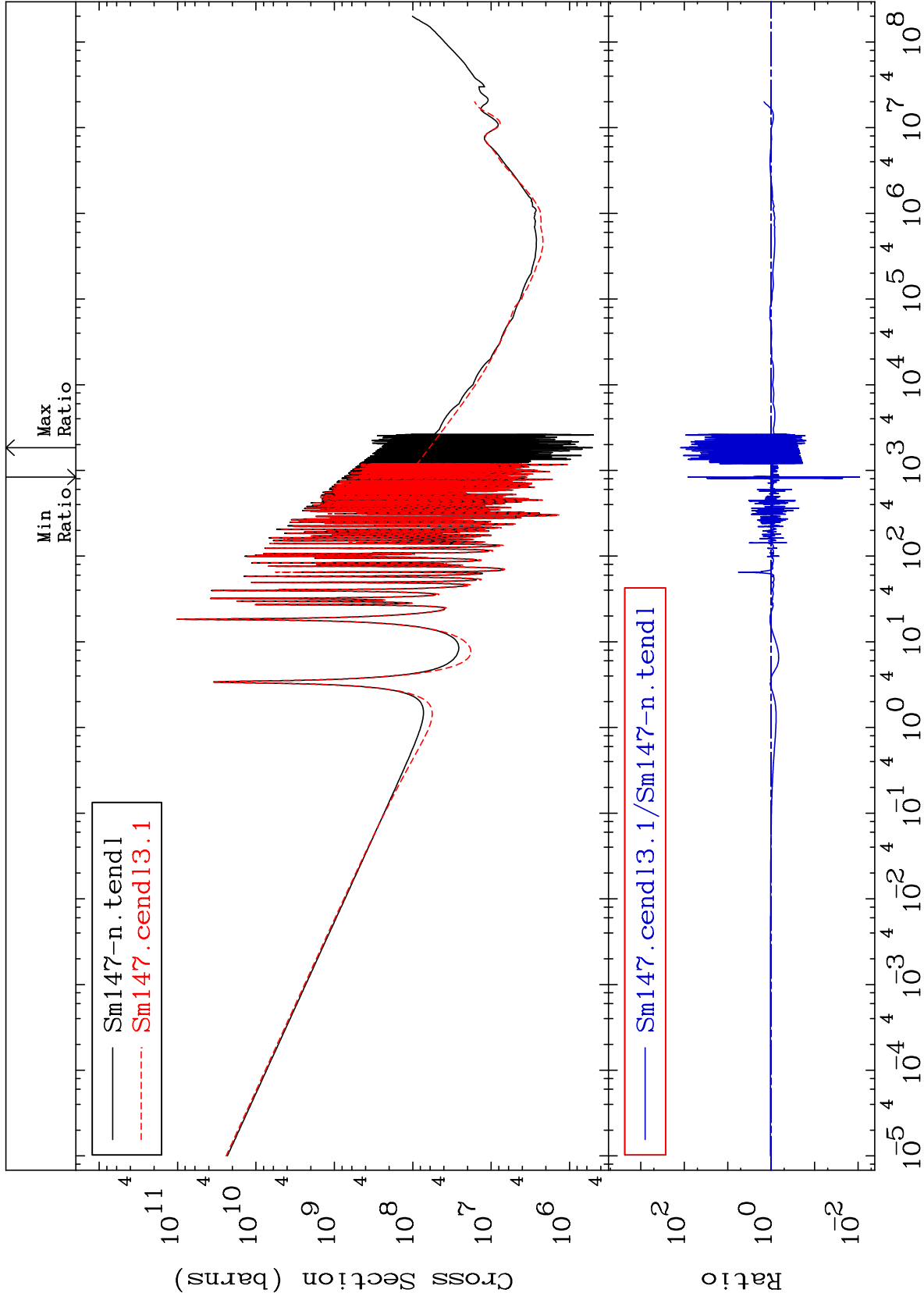


MAT 6234

He-4 Production
Cross Section

62-Sm-147
-99.99 To 72.17 %

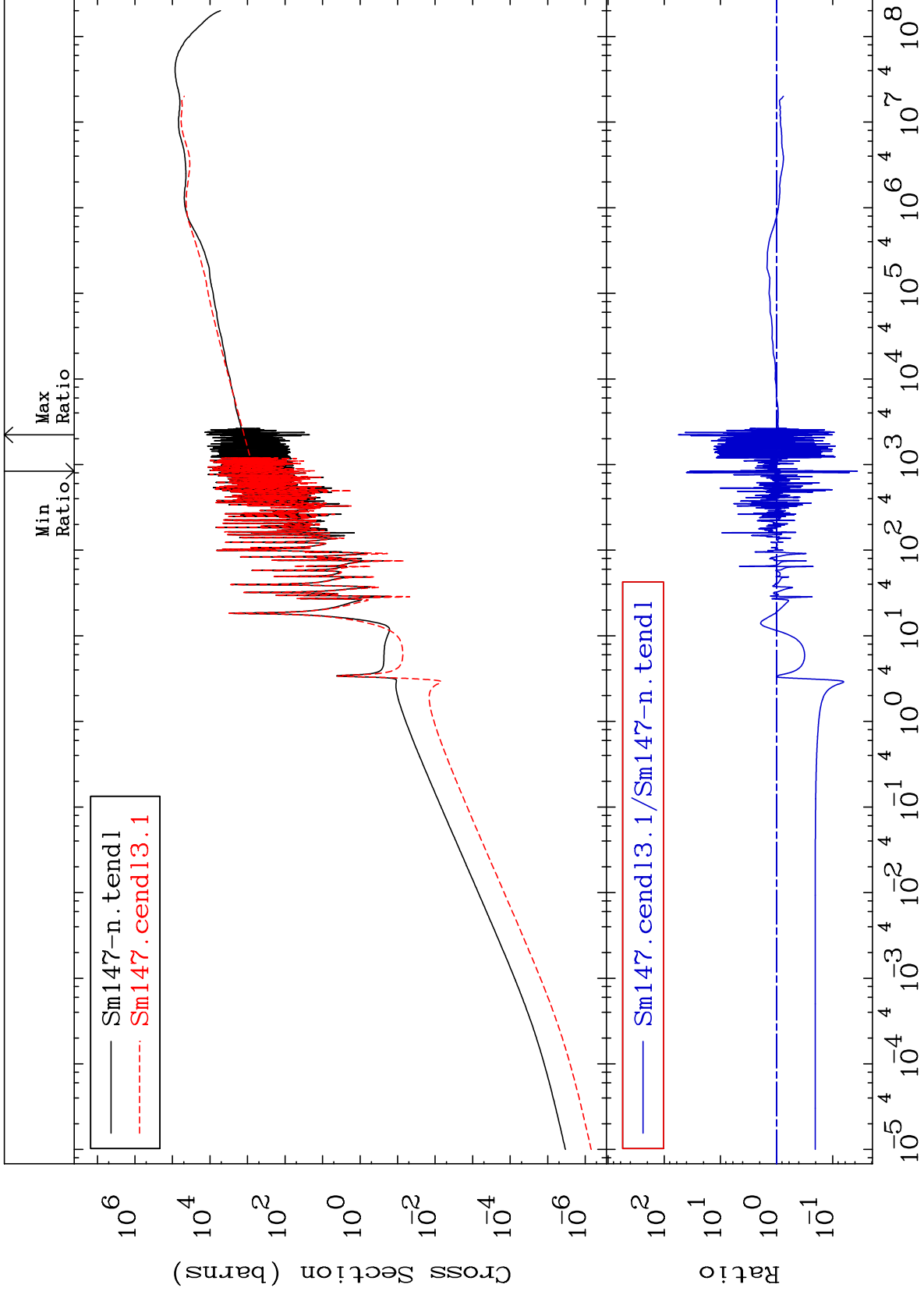


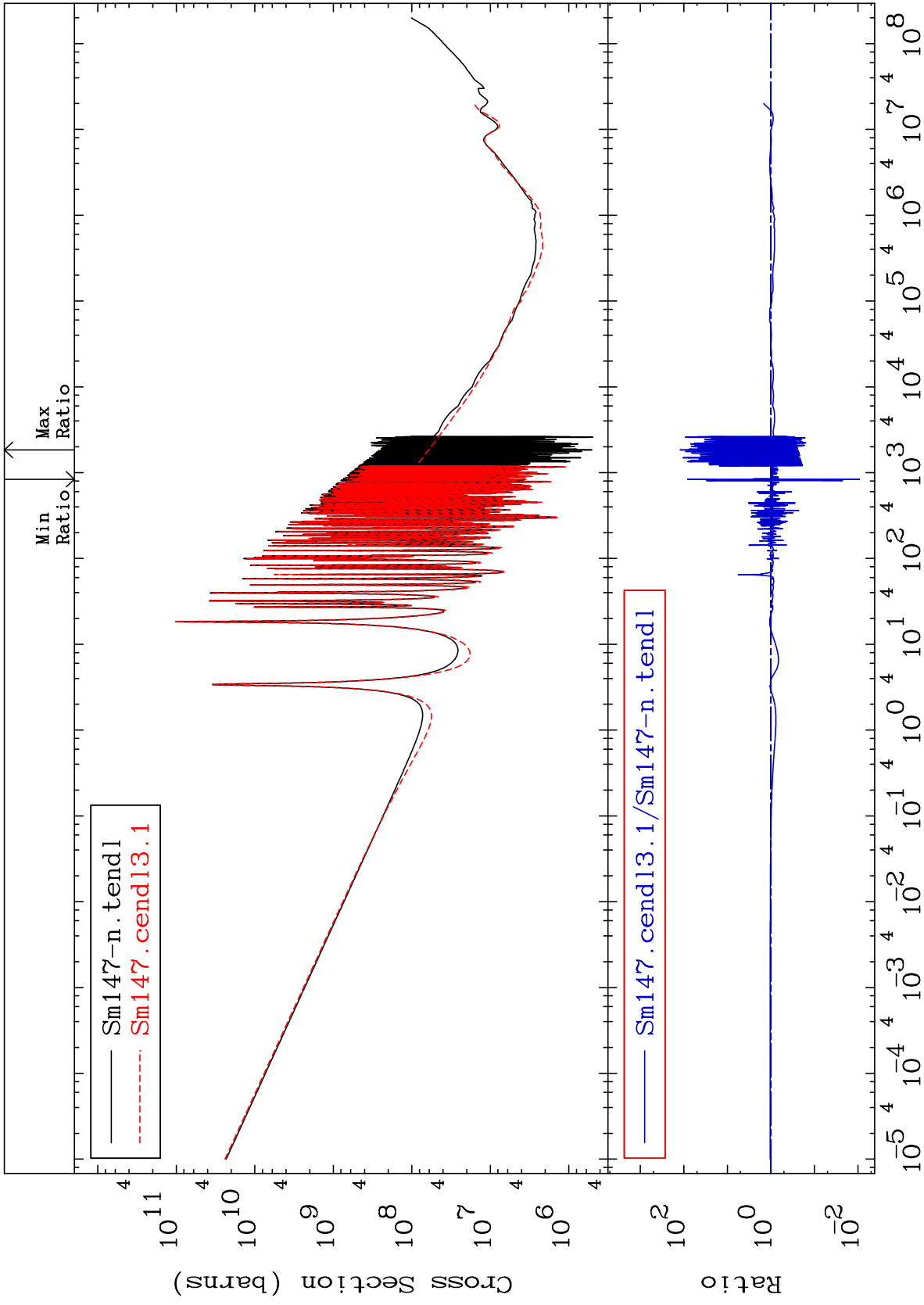


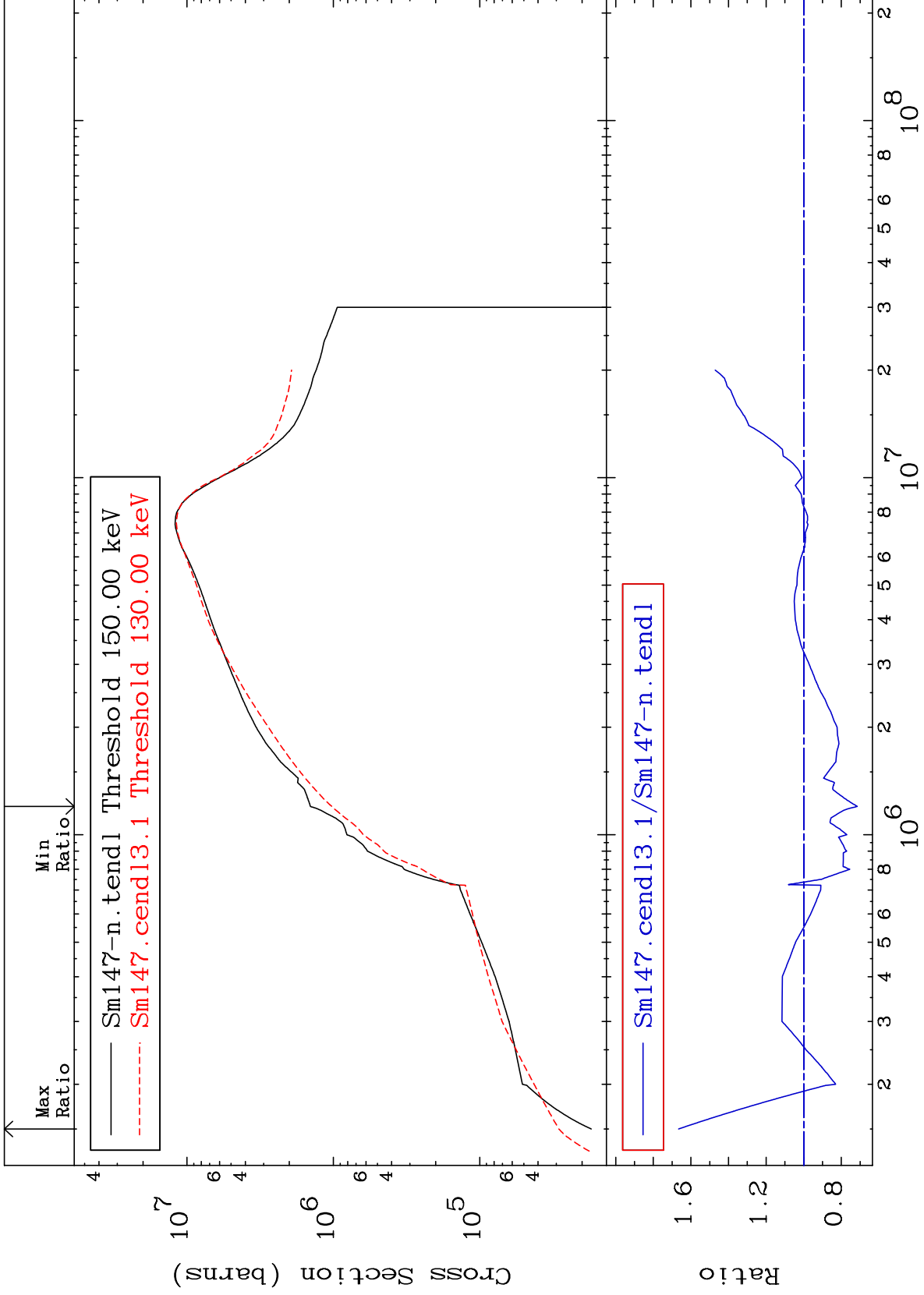
MAT 6234

Kerma elastic
Cross Section

62-Sm-147
-96.35 To 5437. %



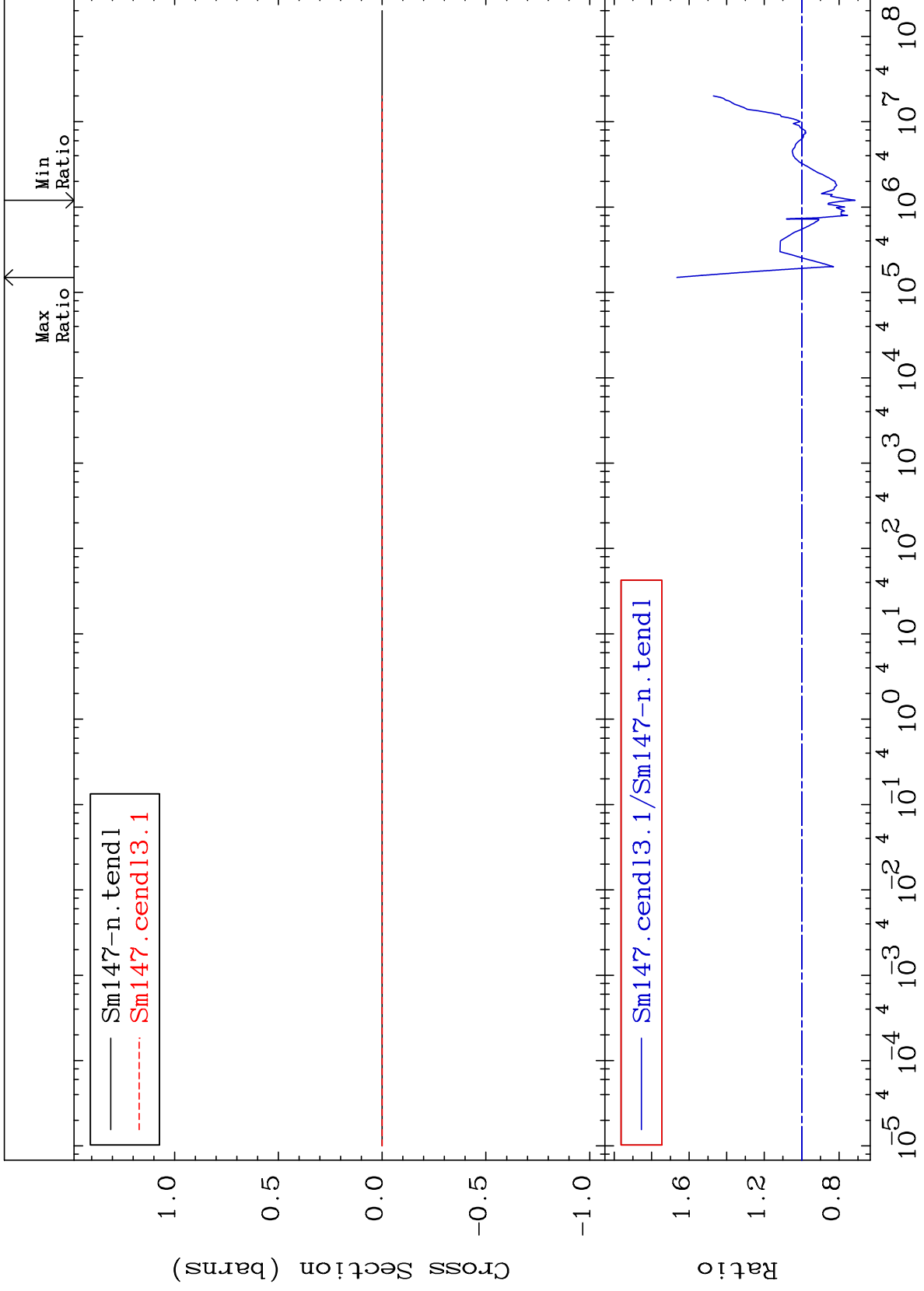


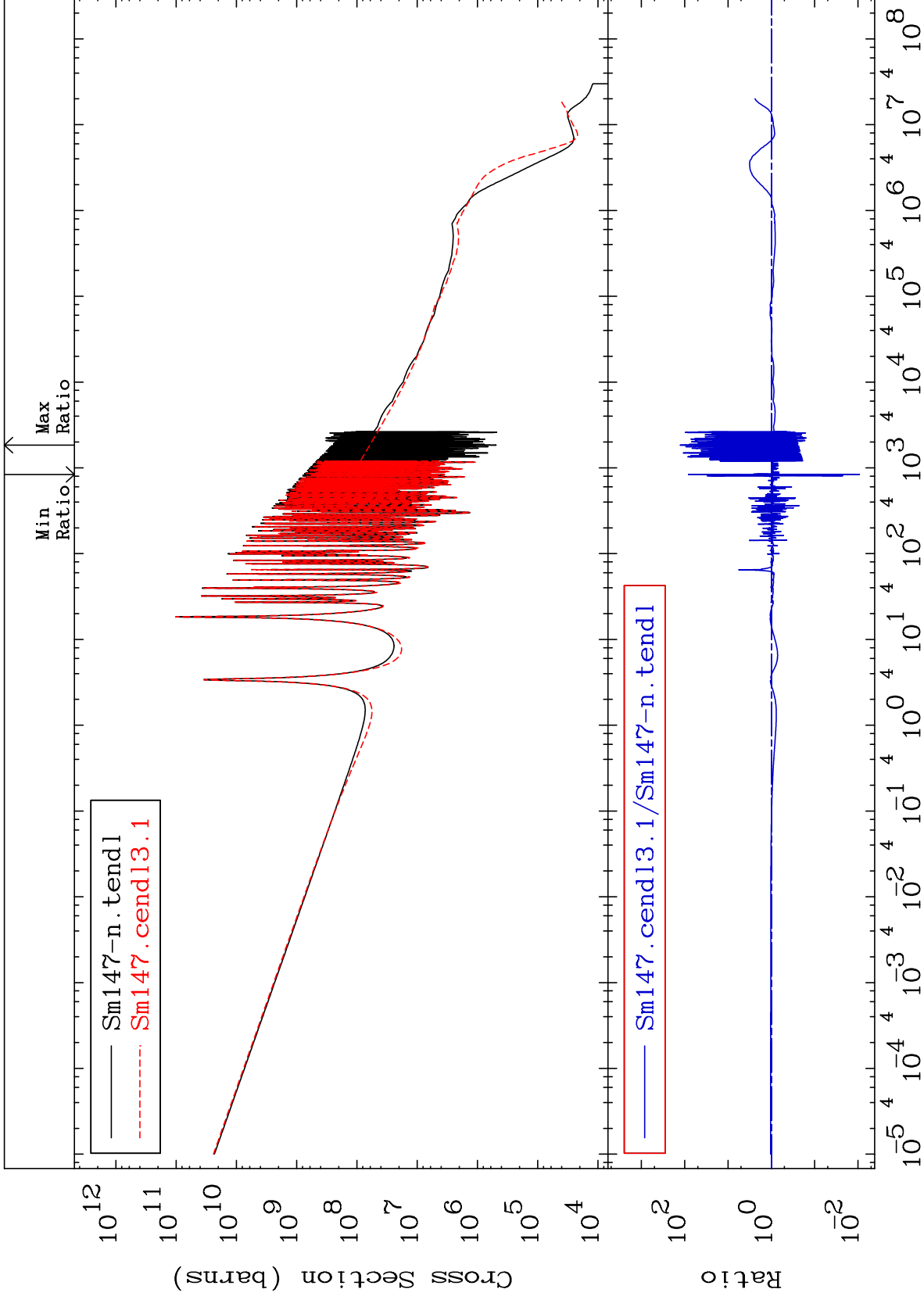


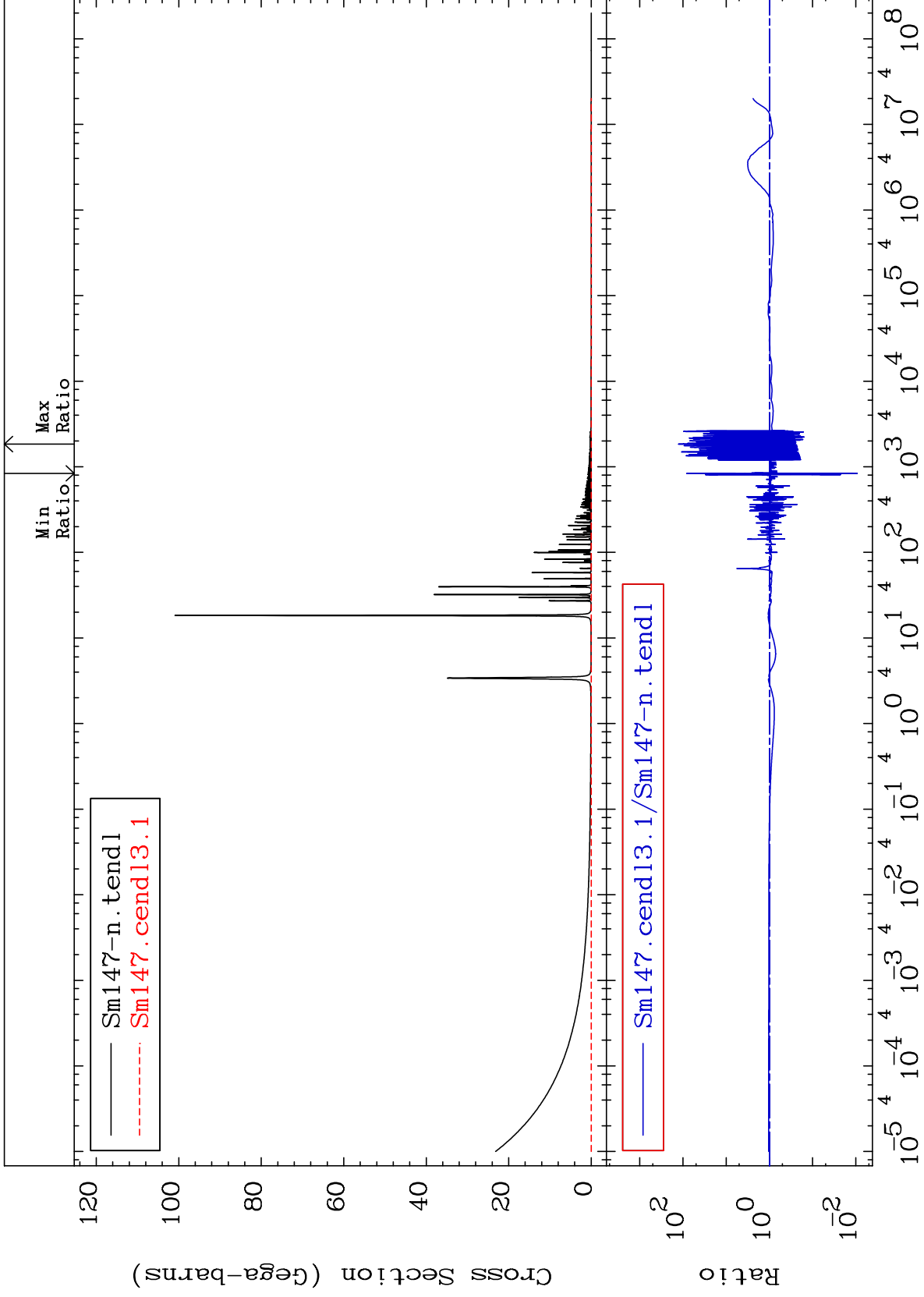
MAT 6234

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

62-Sm-147
-28.47 To 66.52 %



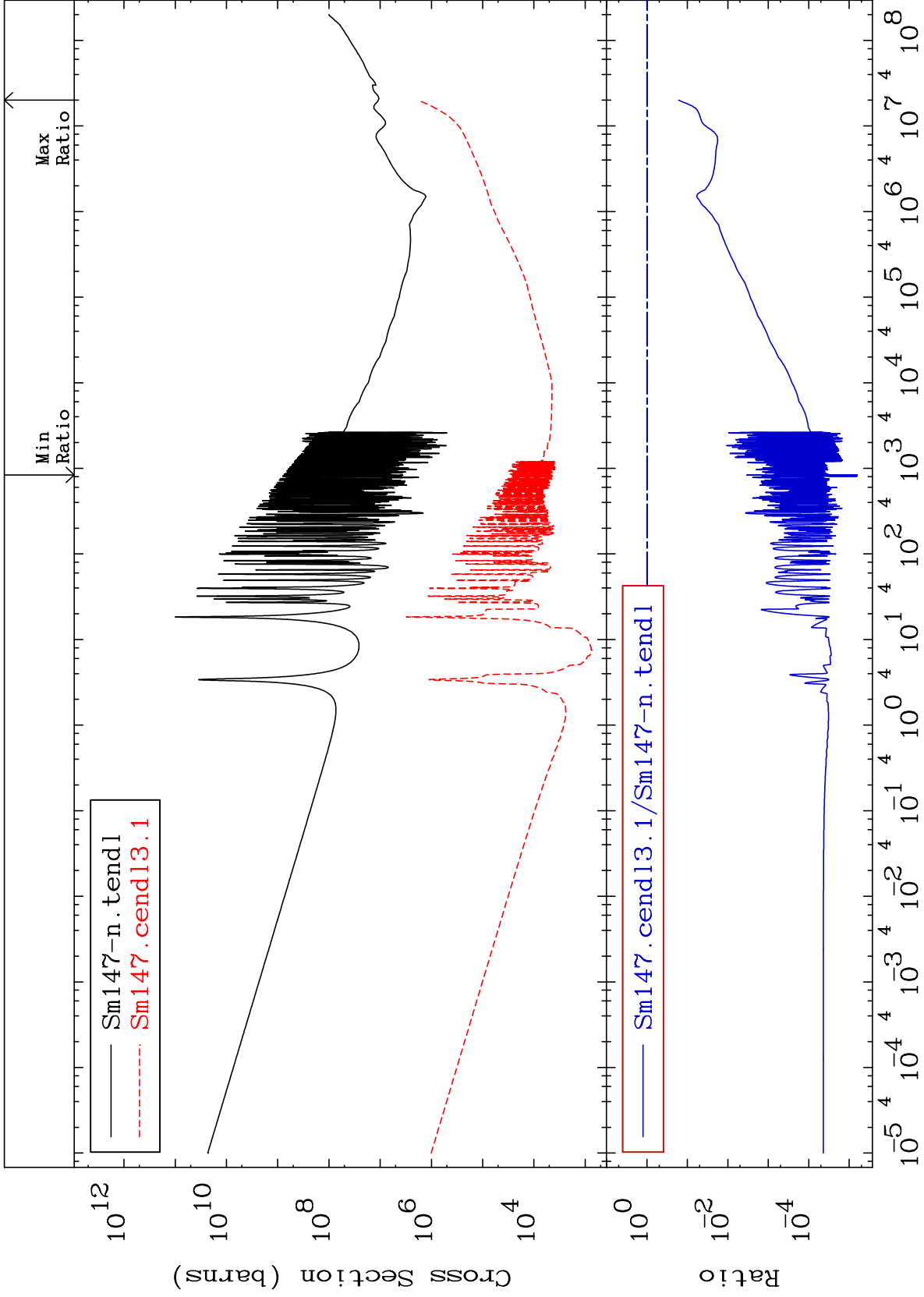




MAT 6234

Total kinematic kerma (high limit)
Cross Section

62-Sm-147
-100.0 To -83.52%



40

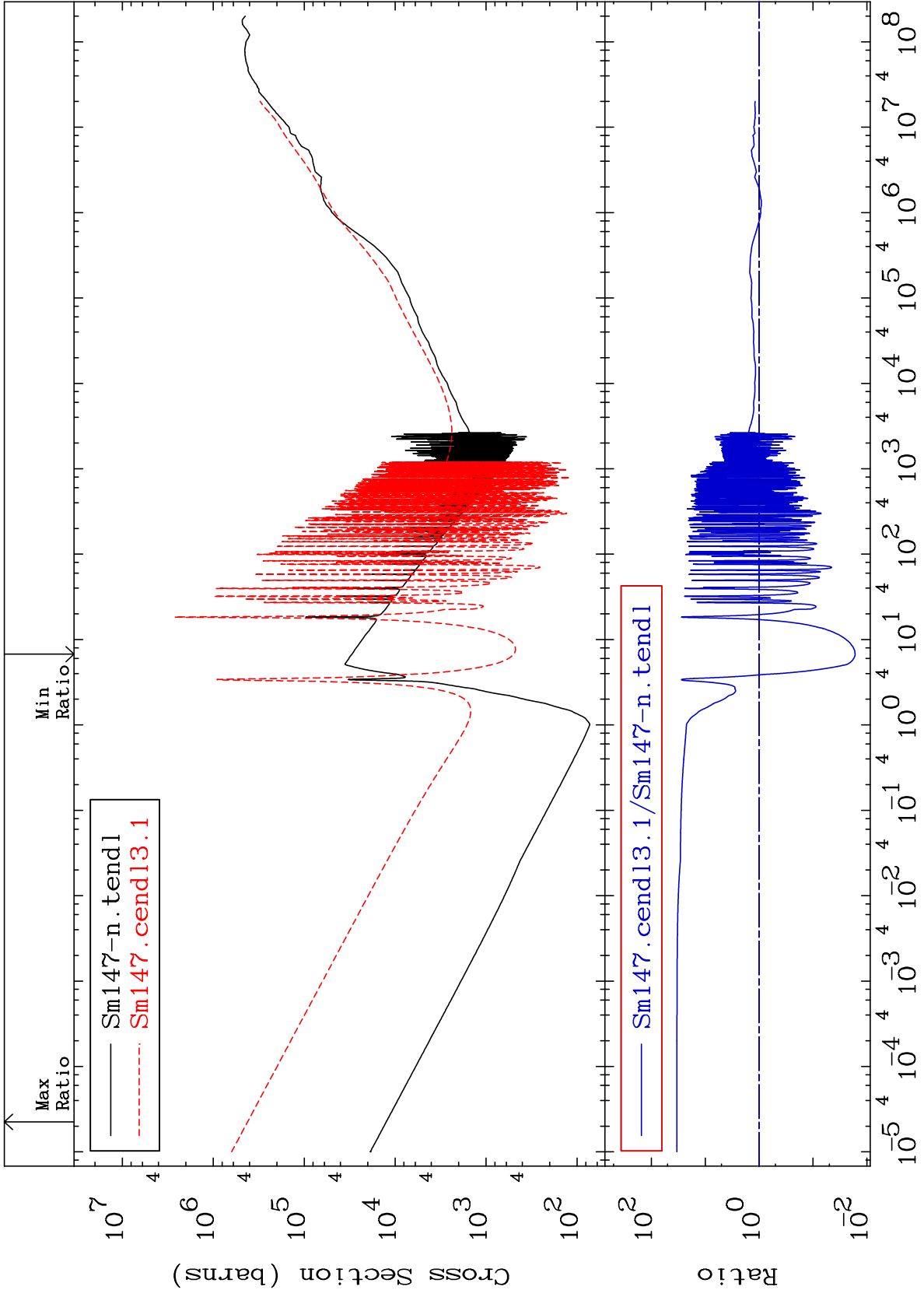
Incident Energy (eV)

62-Sm-147

MAT 6234

Dpa total (eV-barns)
Cross Section

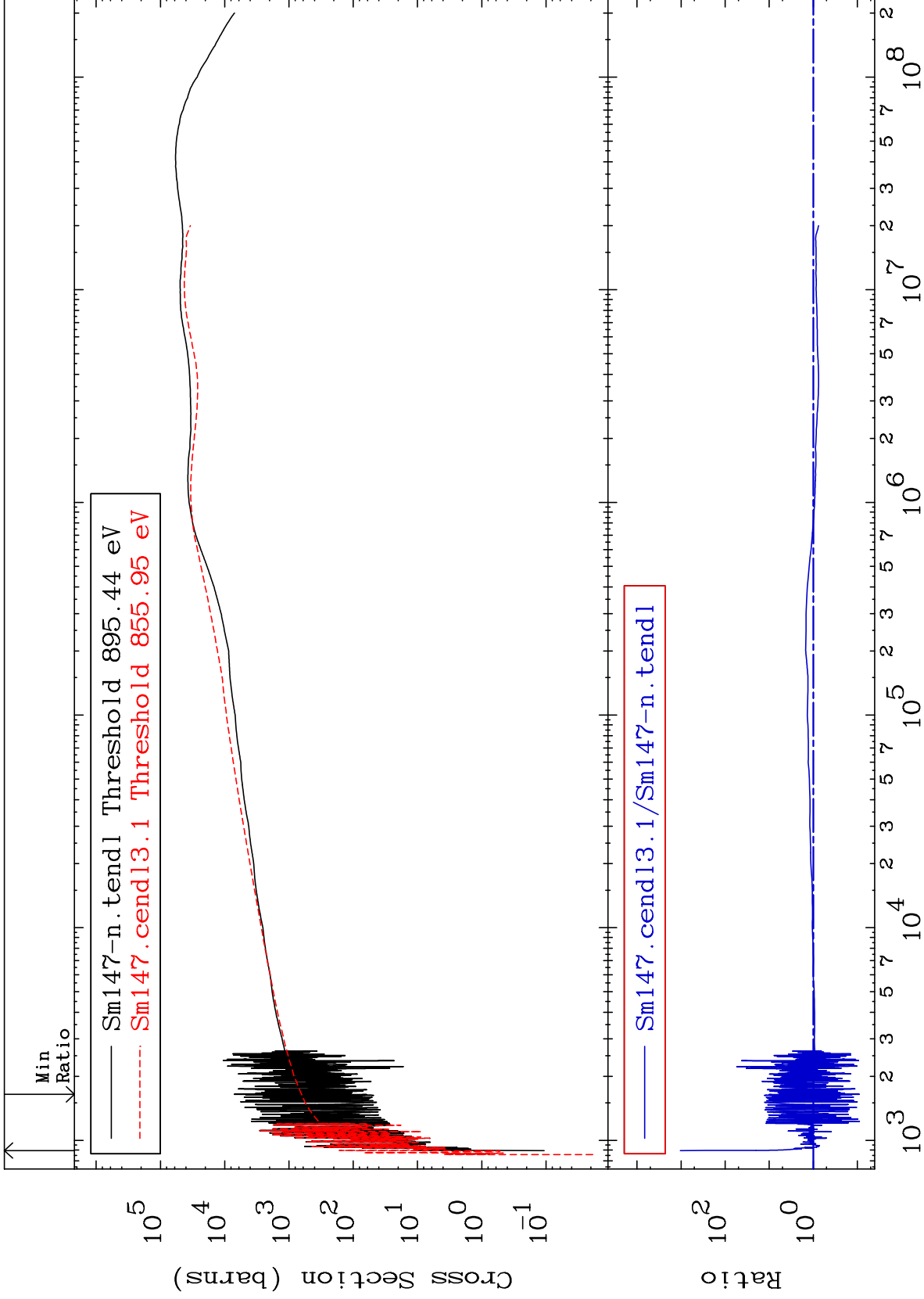
62-Sm-147
-98.34 To 3247. %



MAT 6234

Dpa elastic (mt2)
Cross Section

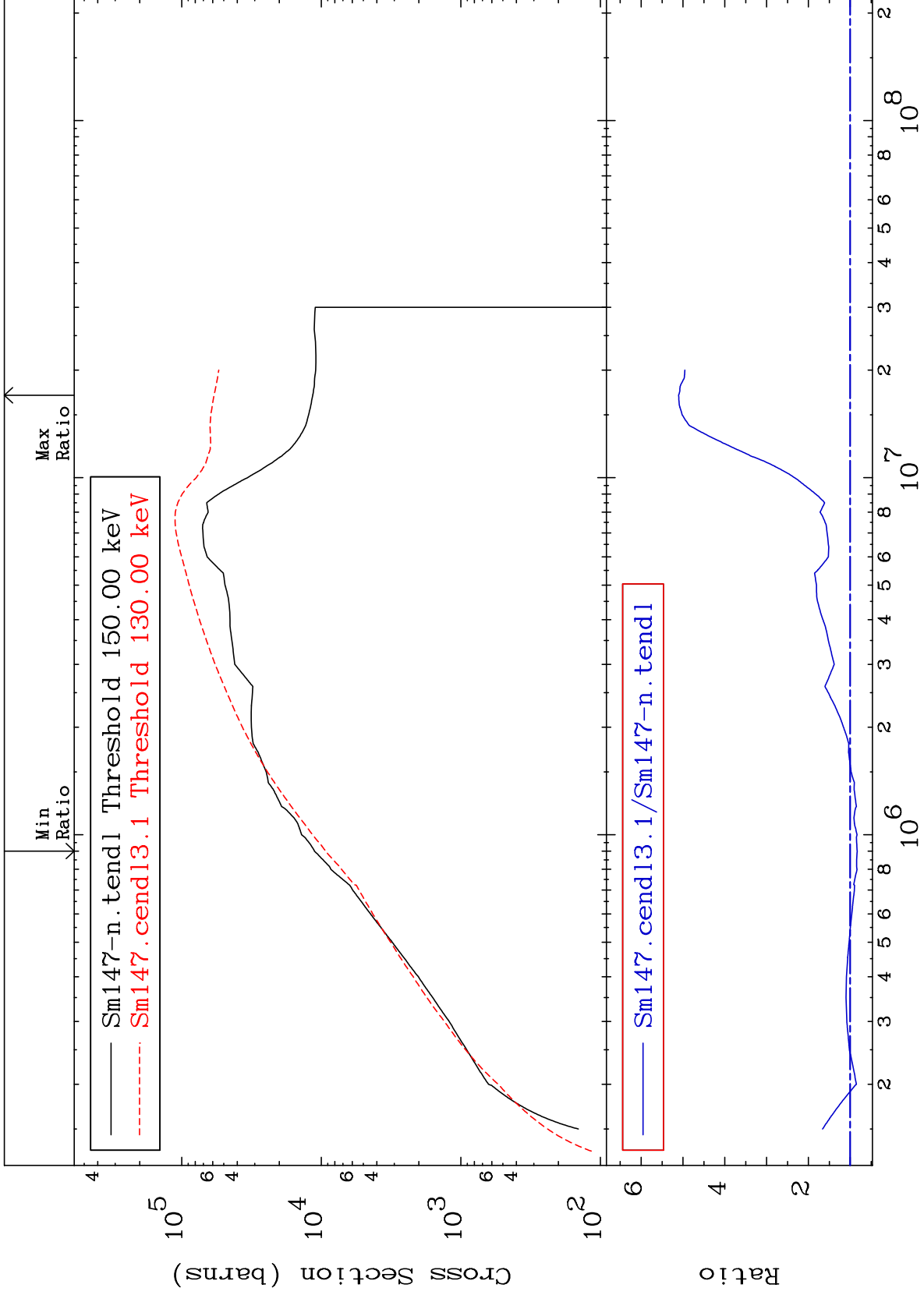
62-Sm-147
-91.01 To 9999. %



MAT 6234

Dpa inelastic (mt51-91)
Cross Section

62-Sm-147
-16.79 To 410.4 %



MAT 6234

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-147
-98.34 To 7236. %

