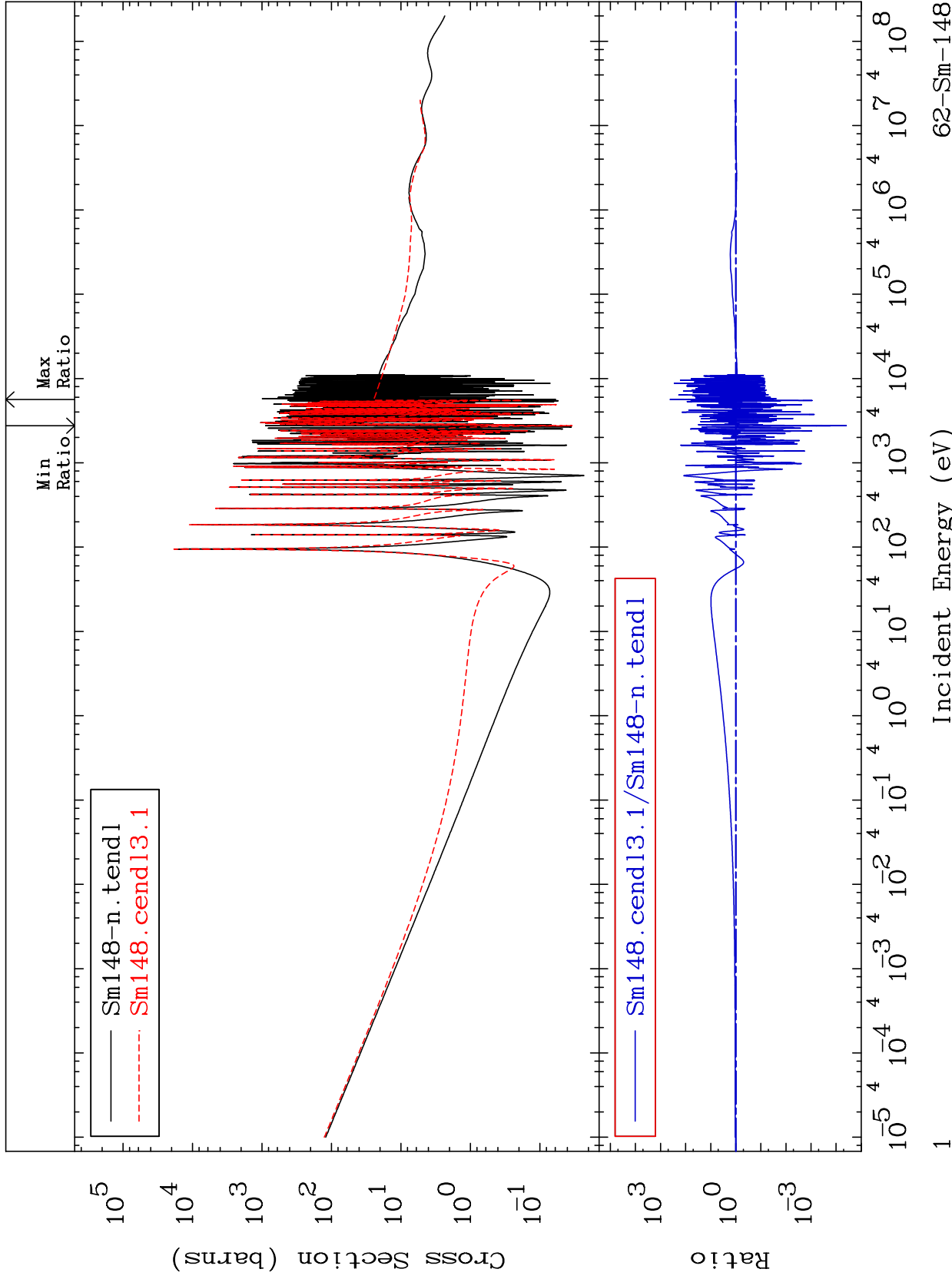


MAT 6237

62-Sm-148

-100.0 To 9999. %

Total
Cross Section

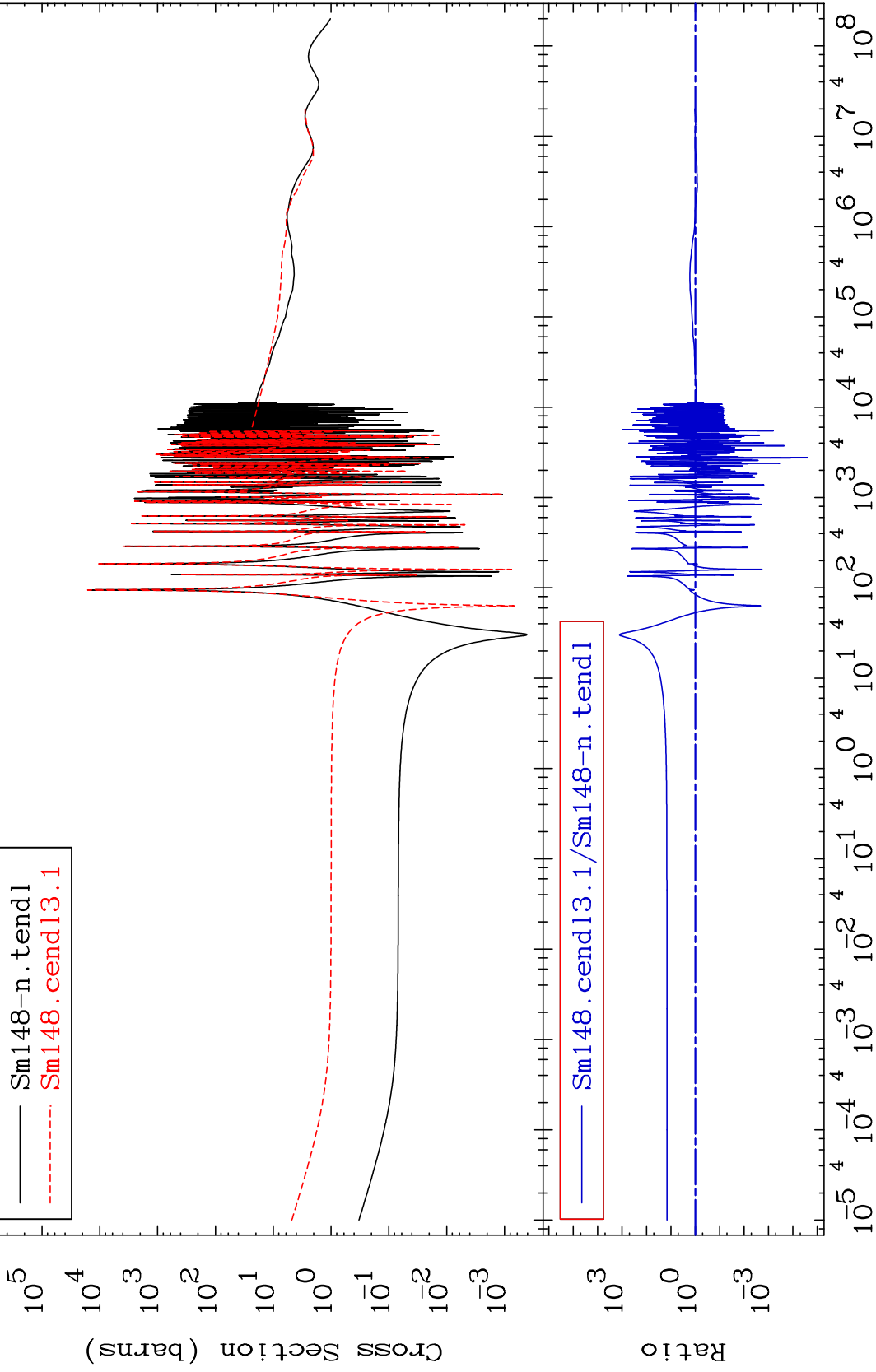


62-Sm-148

Incident Energy (eV)

MAT 6237

Elastic Cross Section
62-Sm-148
-100.0 To 9999. %



62-Sm-148

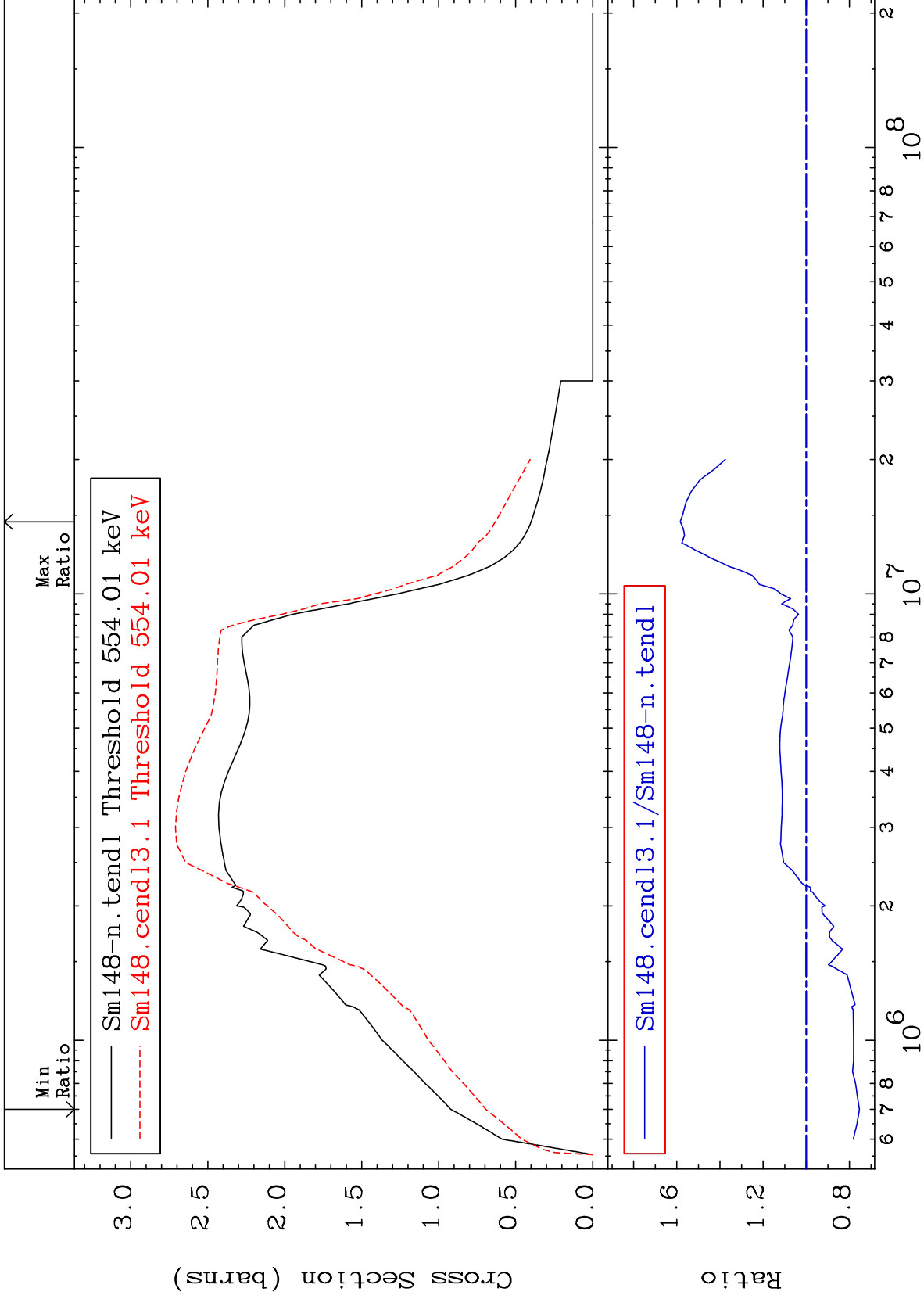
Incident Energy (eV)

2

MAT 6237

Inelastic
Cross Section

62-Sm-148
-24.60 To 58.37 %



3

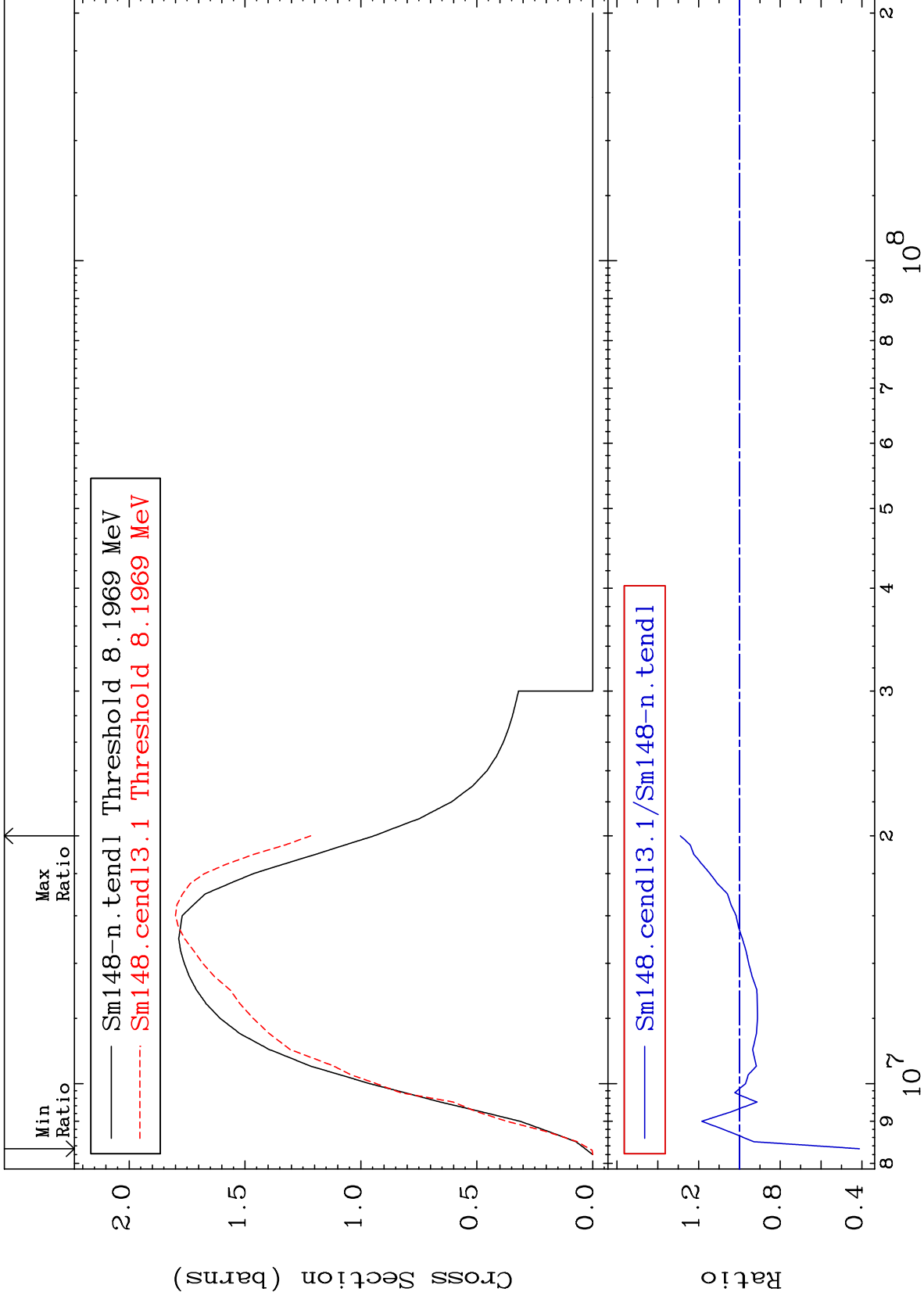
Incident Energy (eV)

62-Sm-148

MAT 6237

(n,2n)
Cross Section

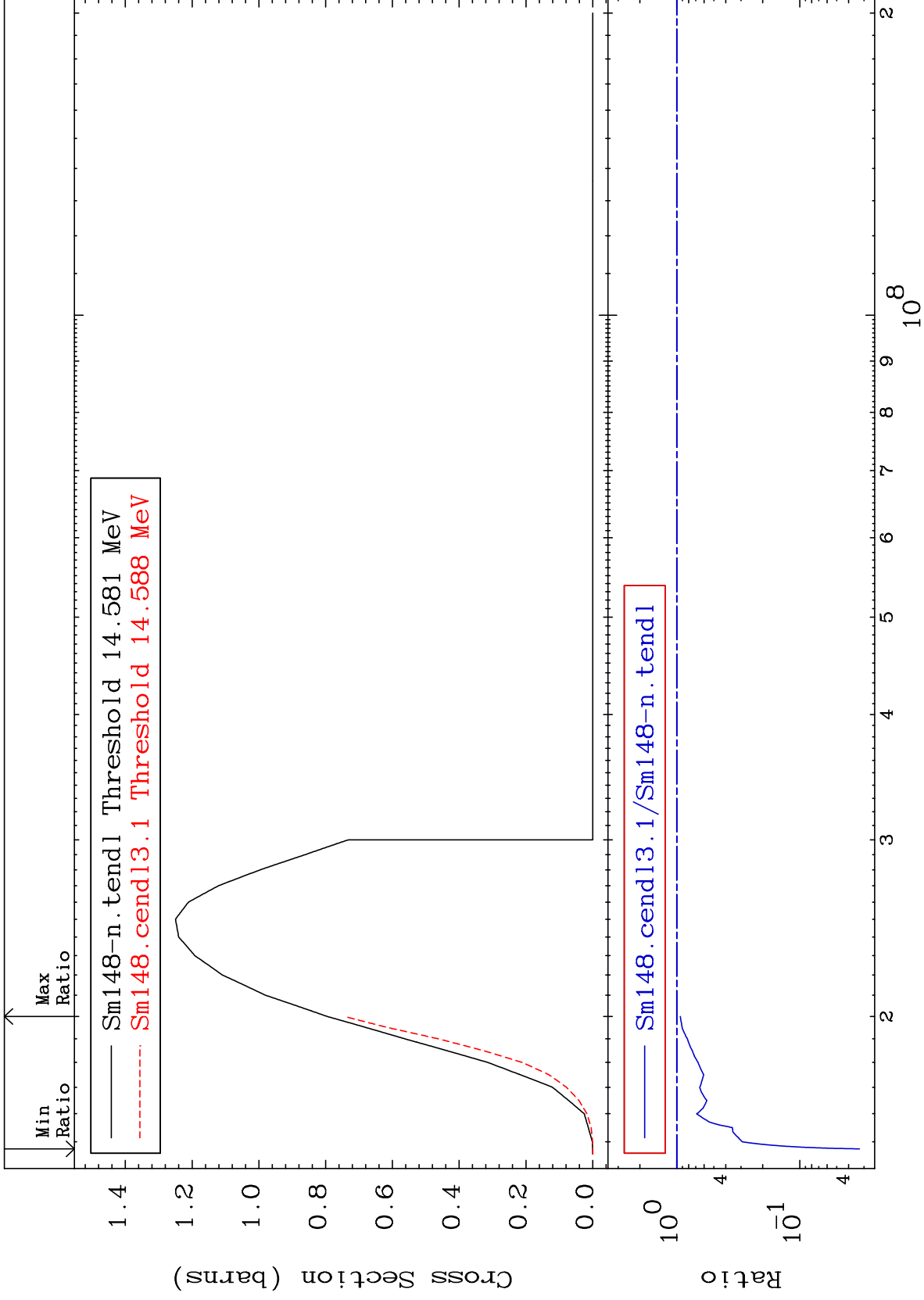
62-Sm-148
-58.77 To 28.94 %



4

Incident Energy (eV)

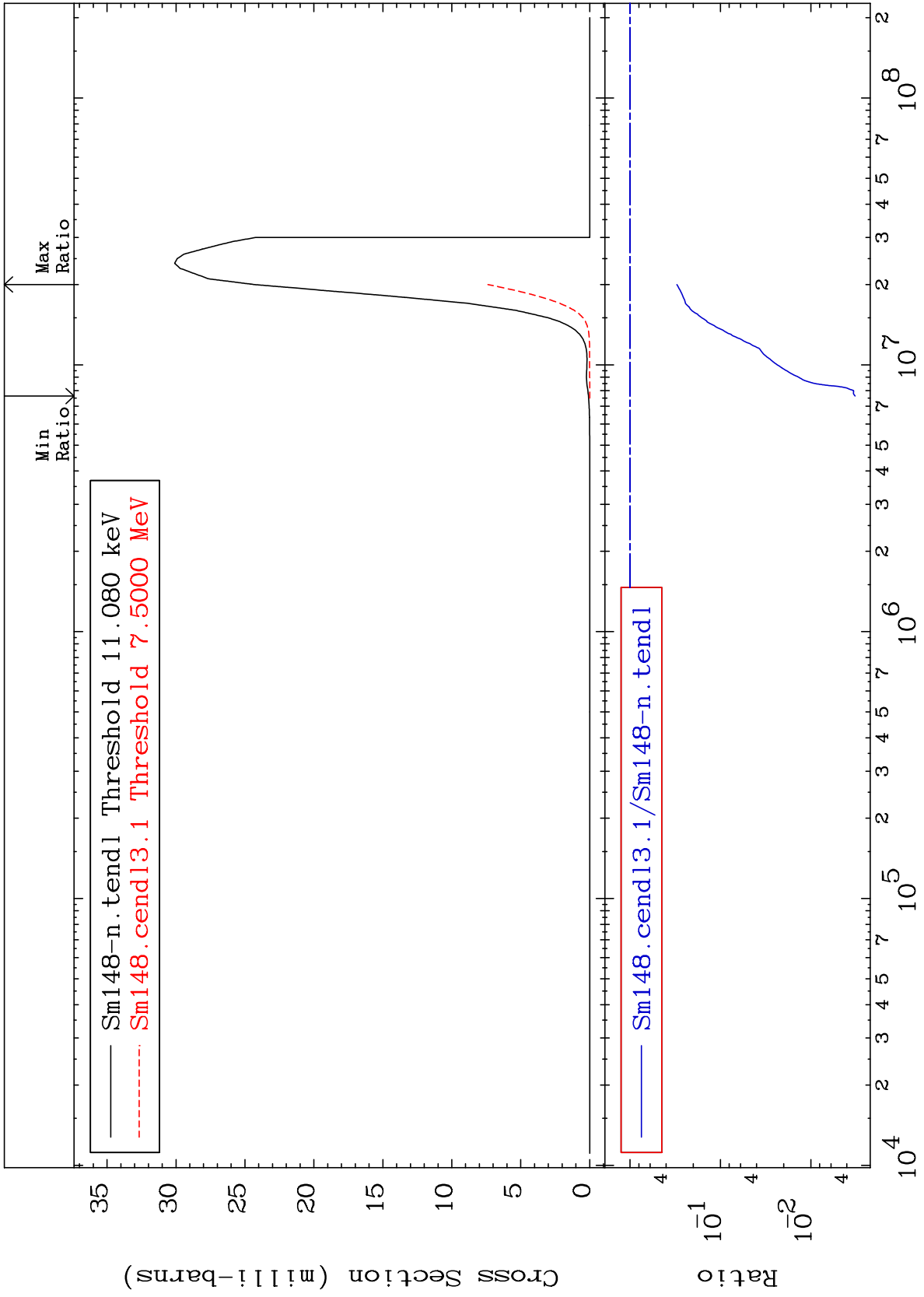
62-Sm-148



MAT 6237

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

62-Sm-148
-99.68 To -69.67%



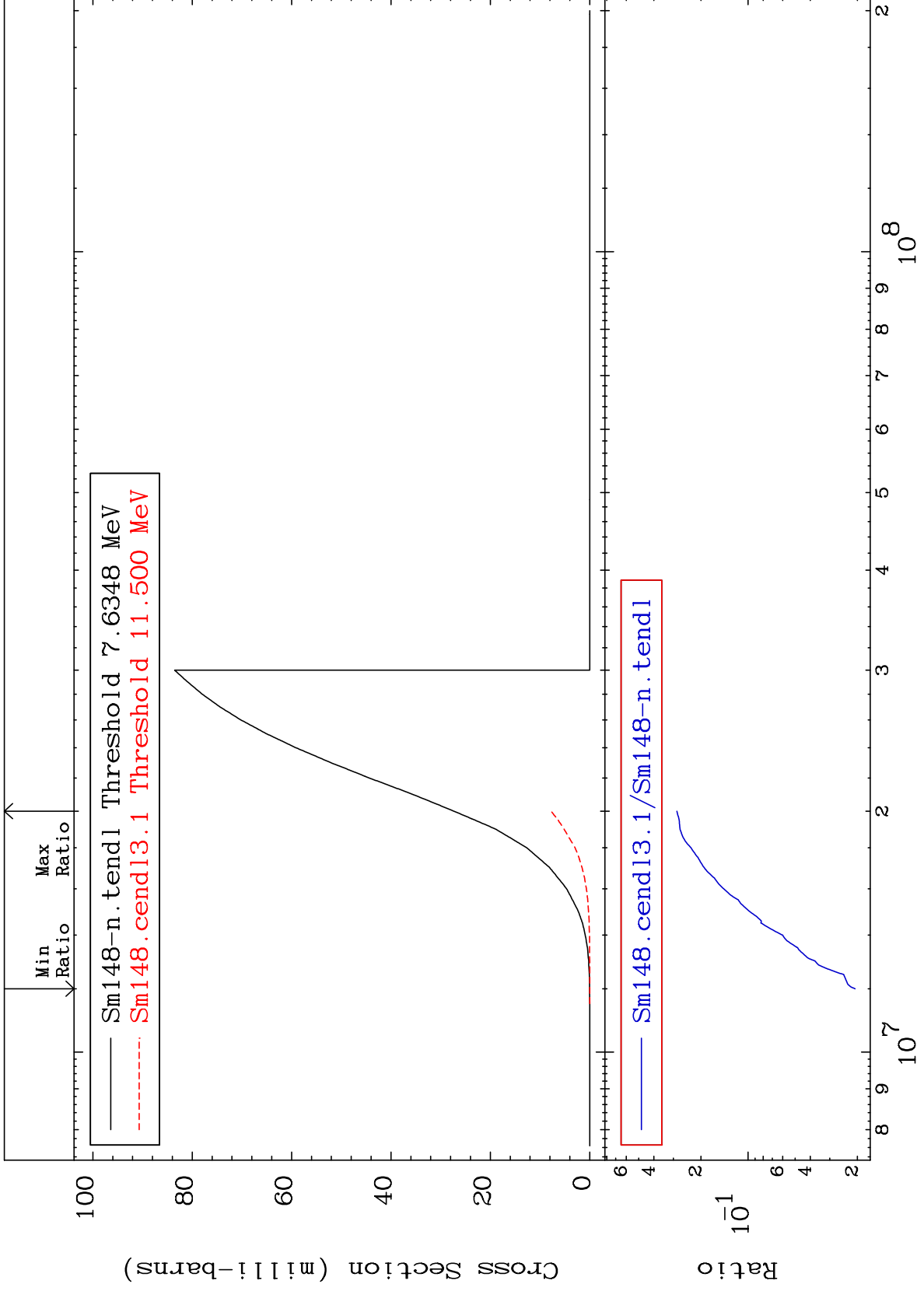
Incident Energy (eV)

62-Sm-148

MAT 6237

(n,n') p
Cross Section

62-Sm-148
-97.93 To -71.54%



7

Incident Energy (eV)

62-Sm-148

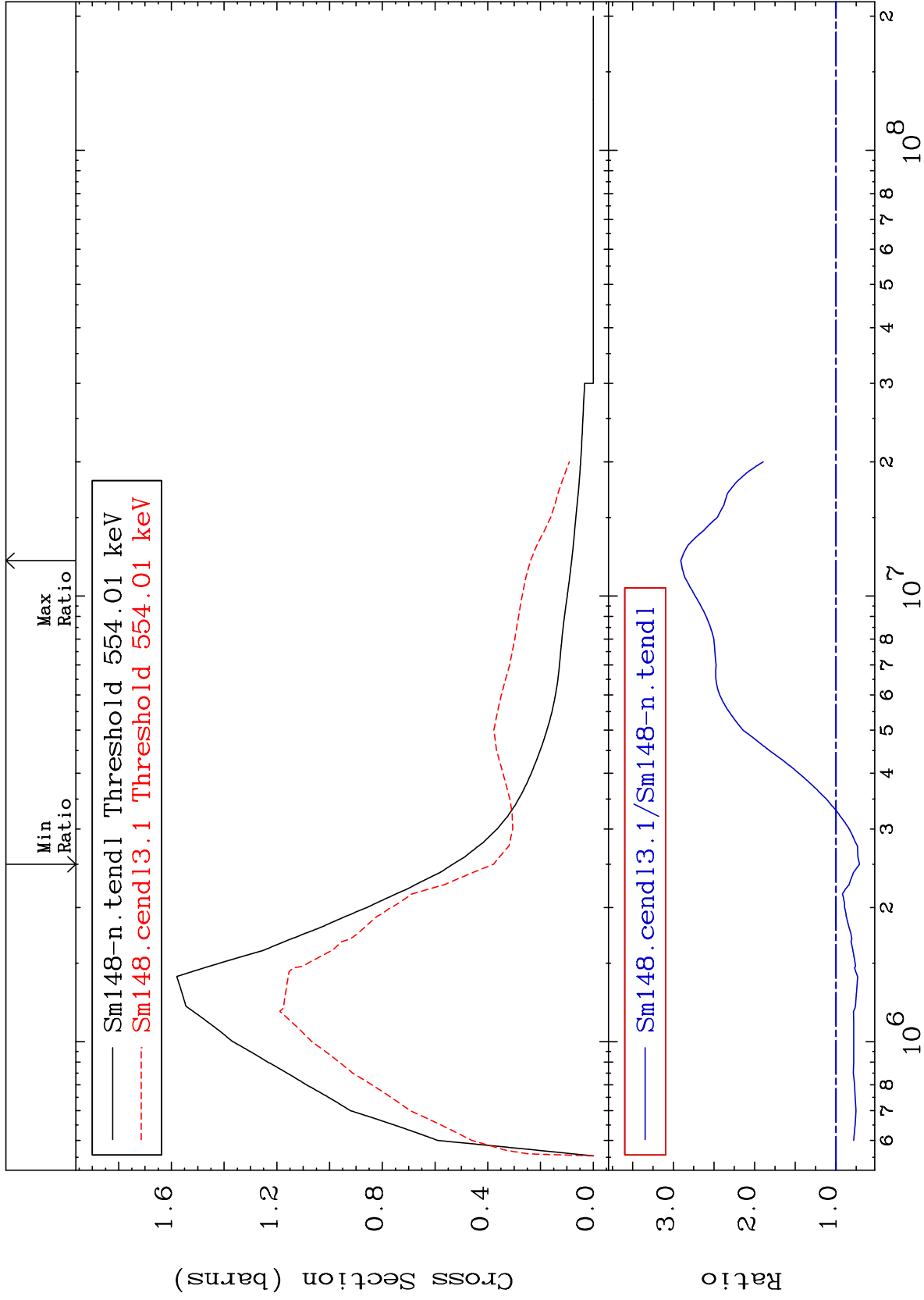
MAT 6237

550.3 keV (n,n') Level

62-Sm-148

-29.00 To 190.9 %

Cross Section



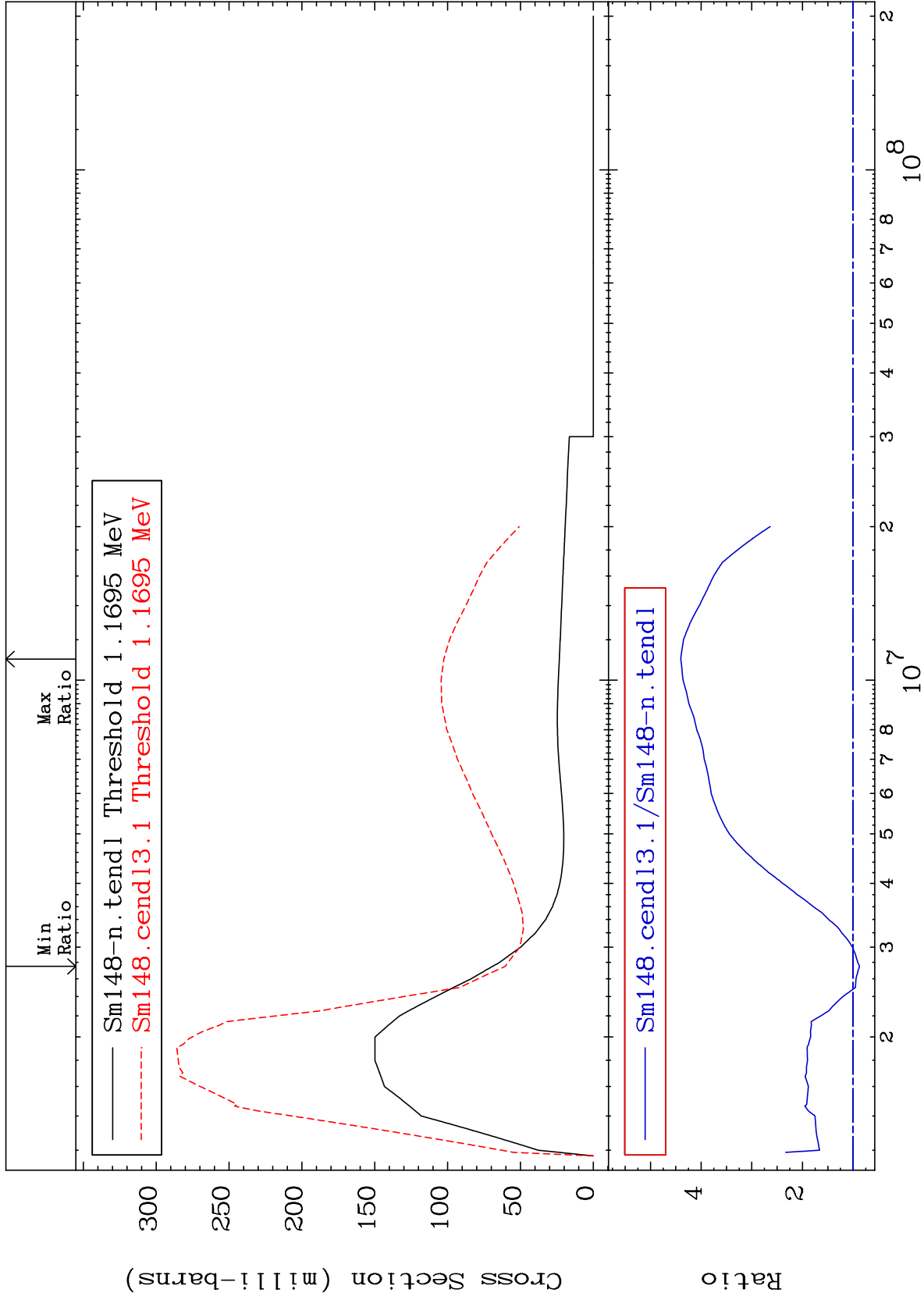
MAT 6237

1.162 MeV (n,n') Level

62-Sm-148

-12.65 To 340.2 %

Cross Section



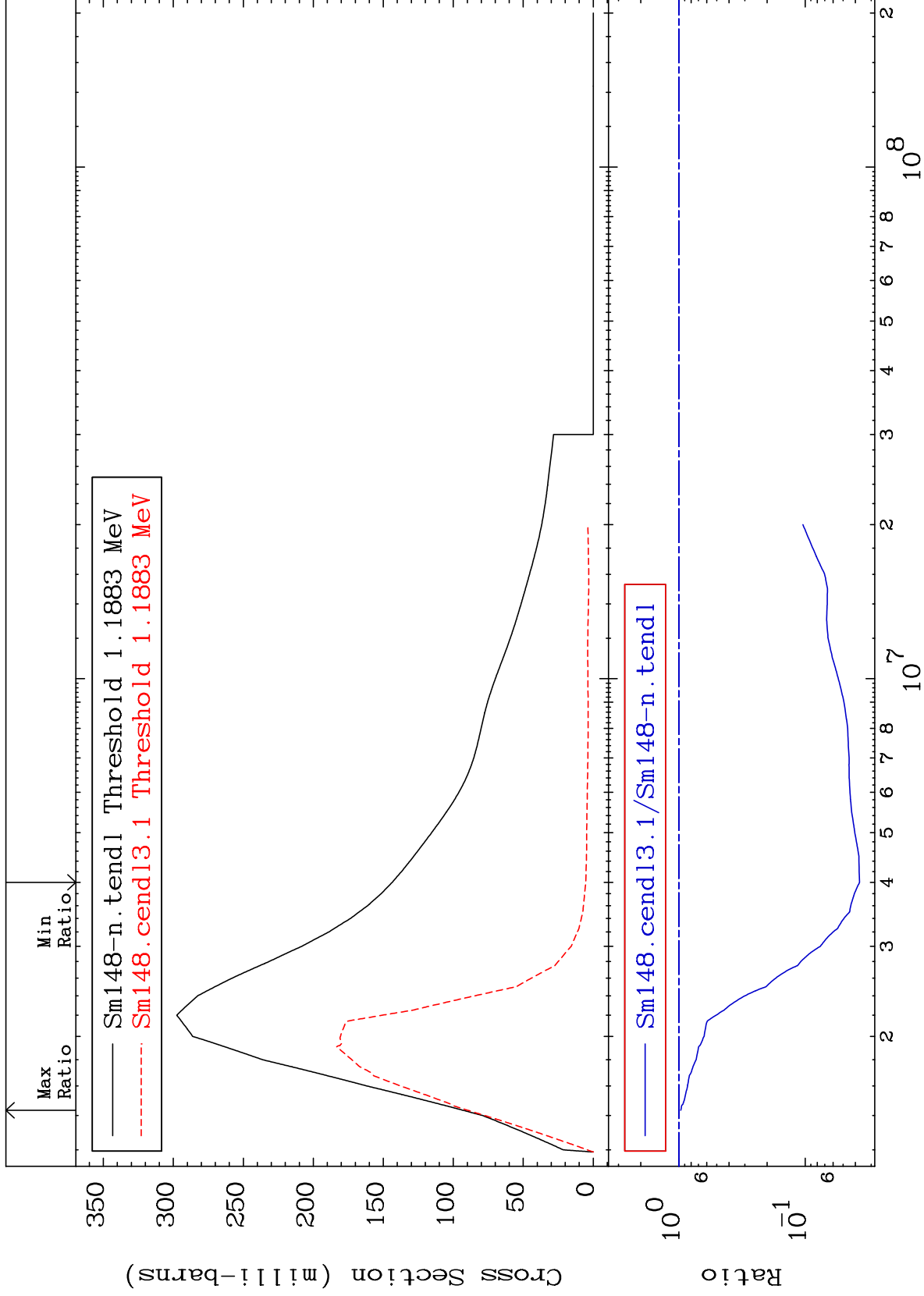
MAT 6237

1.180 MeV (n,n') Level

62-Sm-148

-96.29 To -3.530%

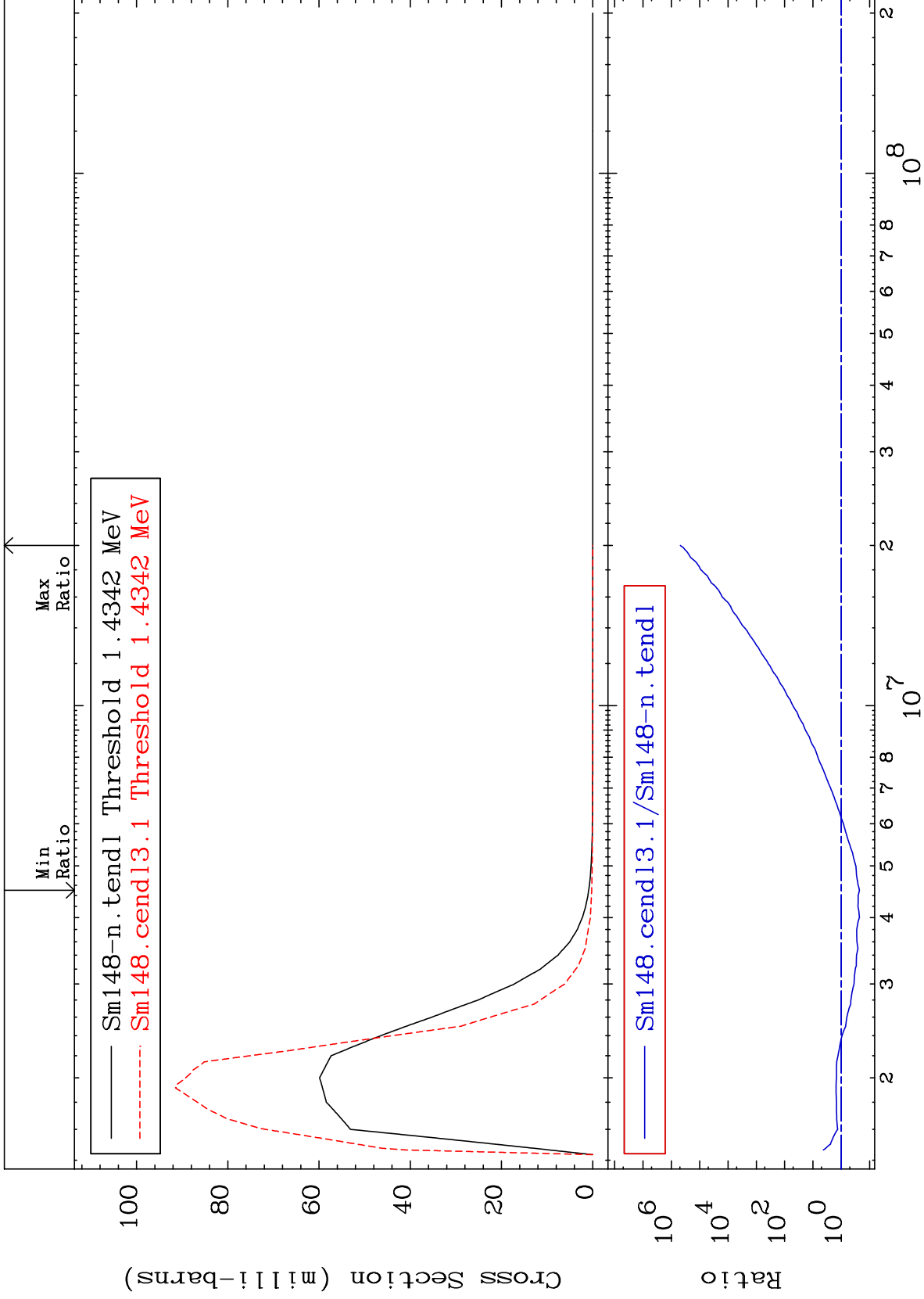
Cross Section



10

Incident Energy (eV)

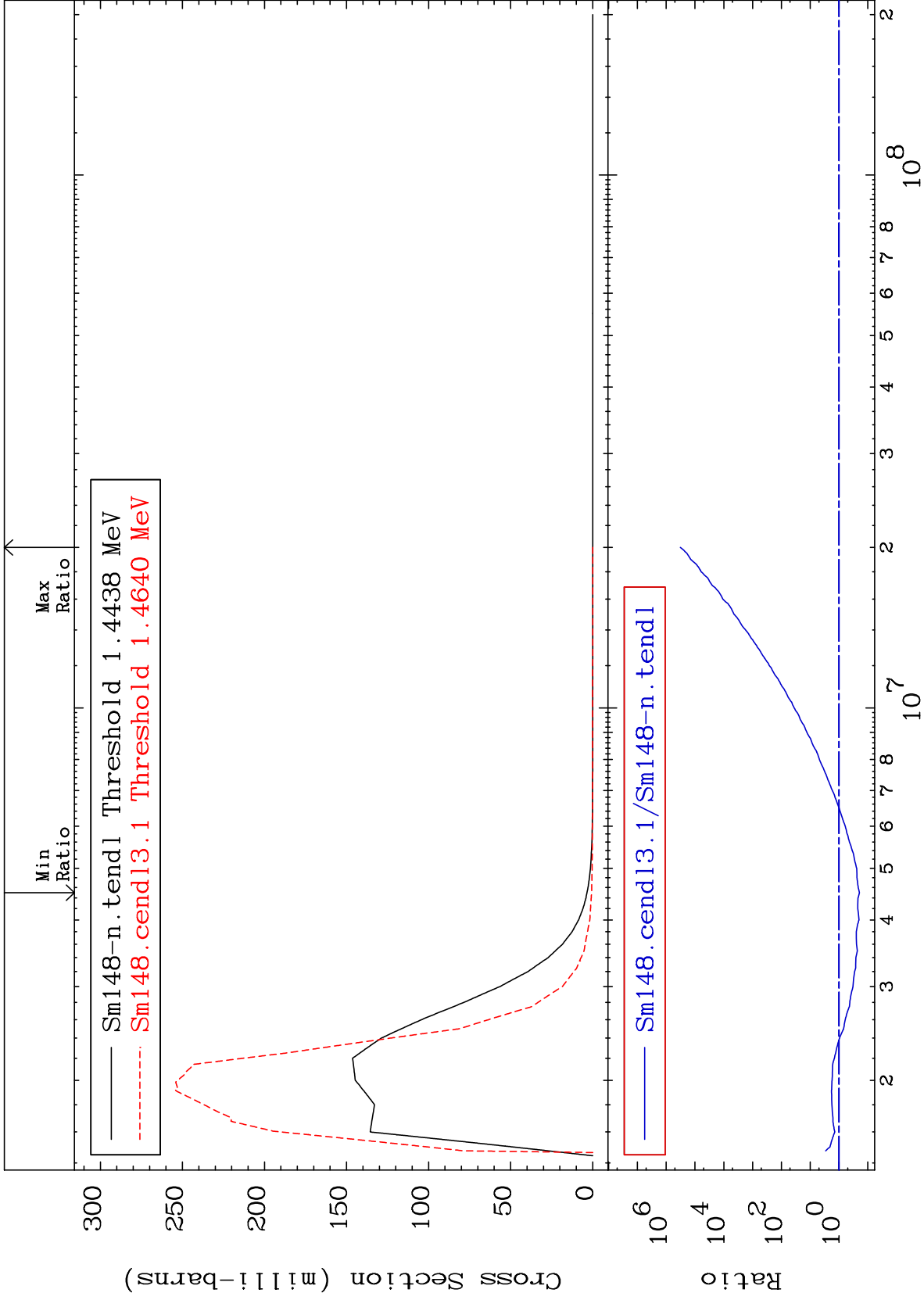
62-Sm-148



MAT 6237

1.434 MeV (n,n') Level
Cross Section

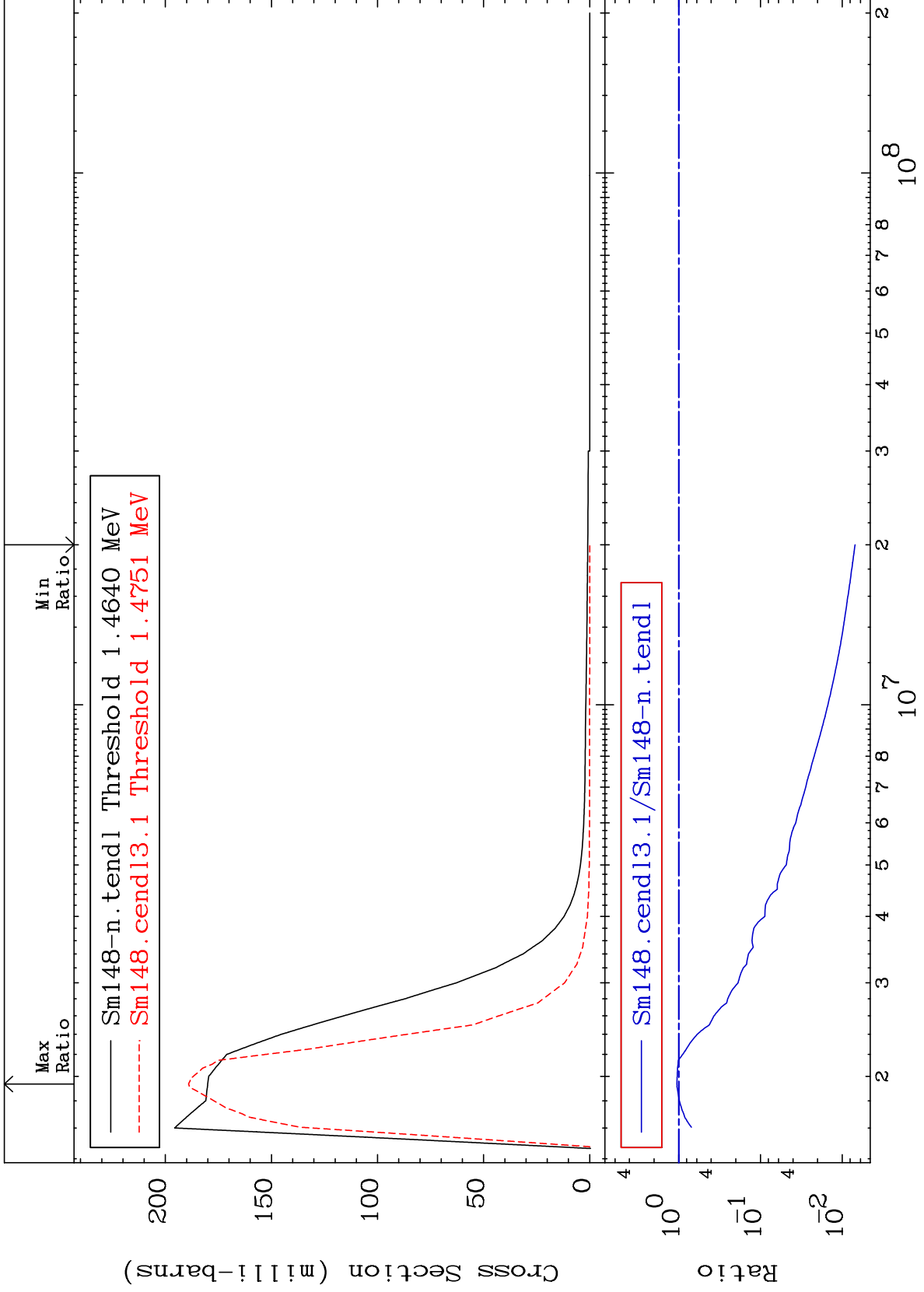
62-Sm-148
-80.39 To 9999. %



MAT 6237

1.454 MeV (n,n') Level
Cross Section

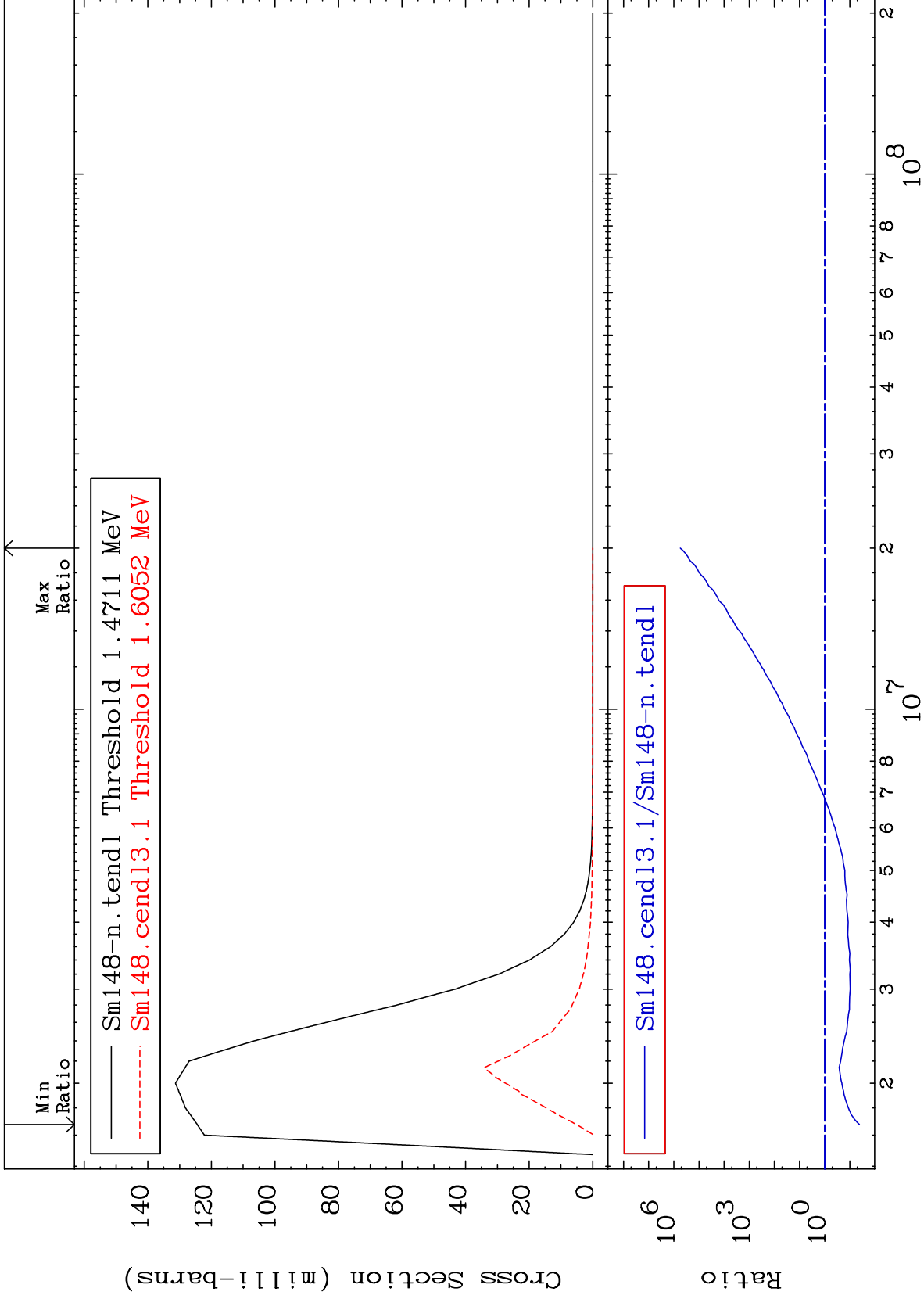
62-Sm-148
-99.30 To 5.003 %



MAT 6237

1.461 MeV (n,n') Level
Cross Section

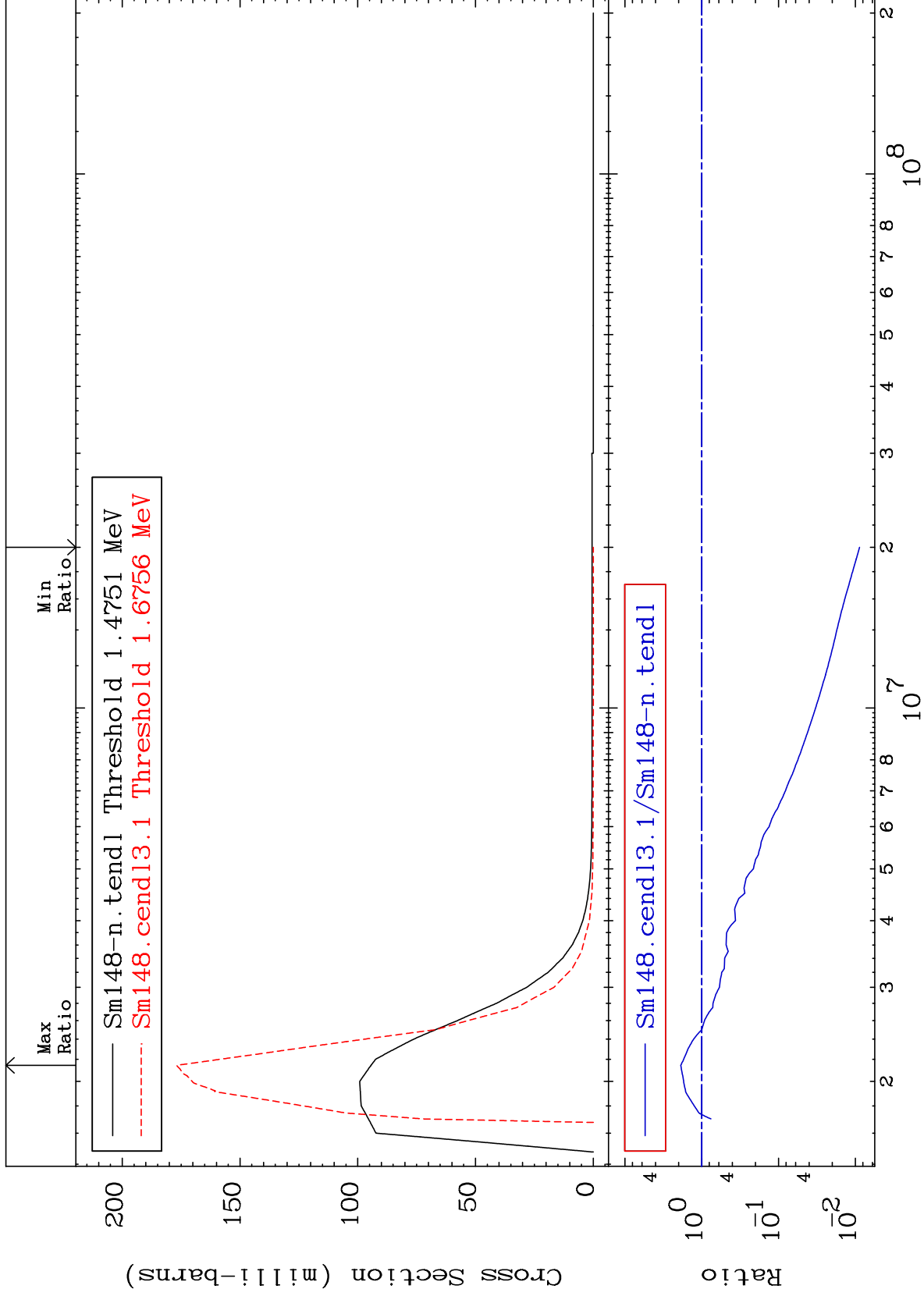
62-Sm-148
-95.83 To 9999. %



MAT 6237

1.465 MeV (n,n') Level
Cross Section

62-Sm-148
-99.12 To 87.43 %



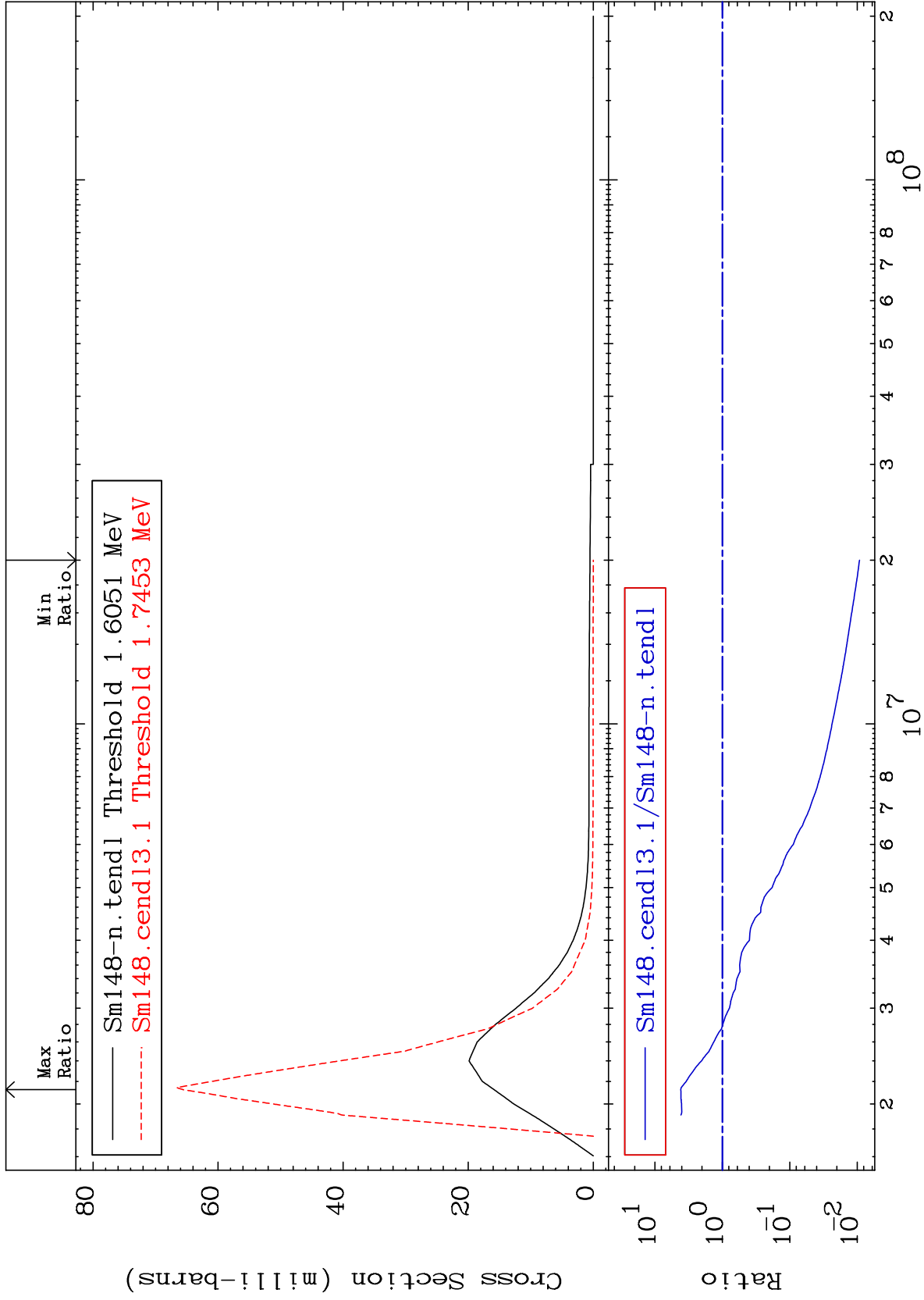
MAT 6237

1.594 MeV (n,n') Level

62-Sm-148

-99.08 To 313.7 %

Cross Section



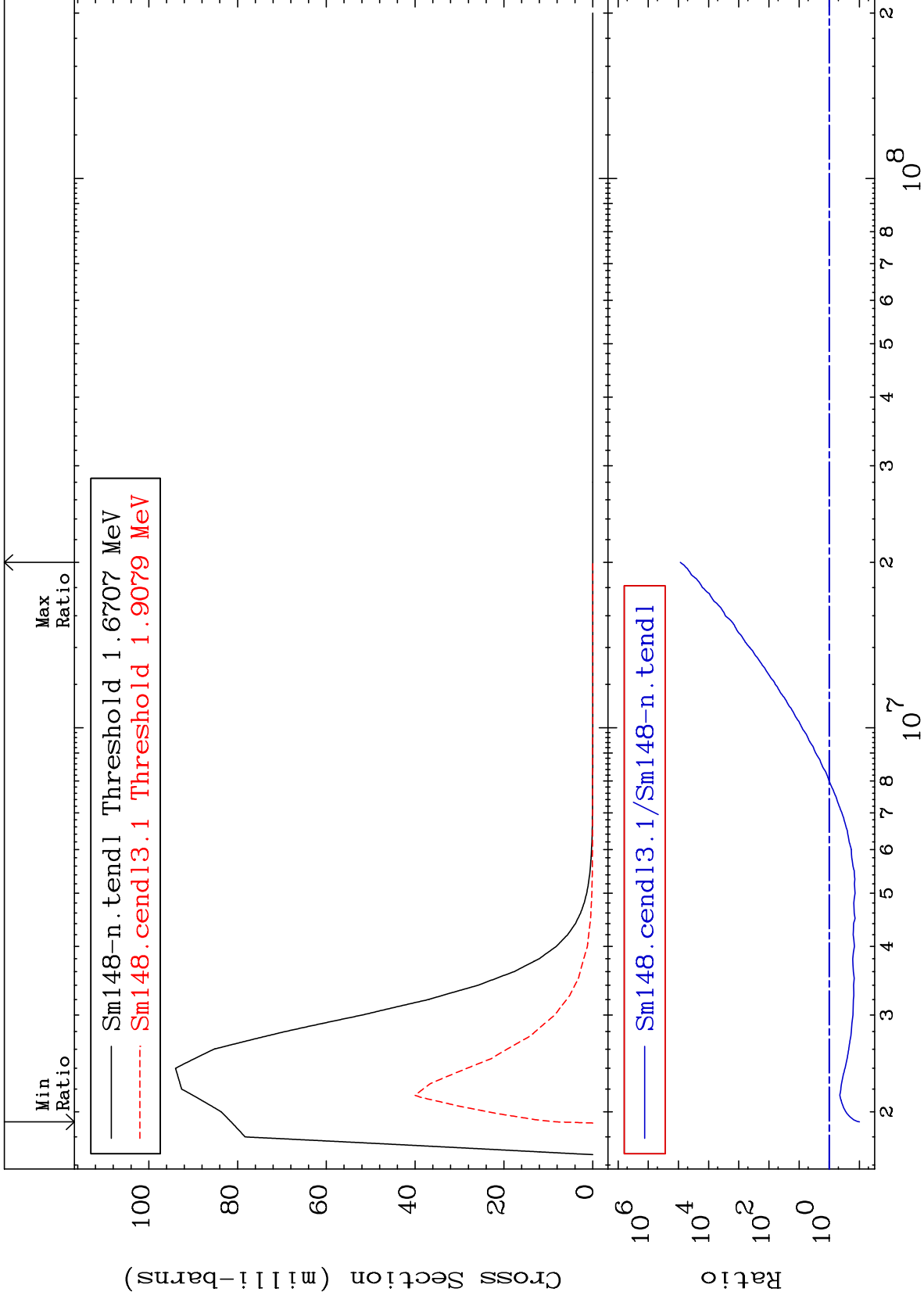
MAT 6237

1.659 MeV (n,n') Level

62-Sm-148

-90.02 To 9999. %

Cross Section



17

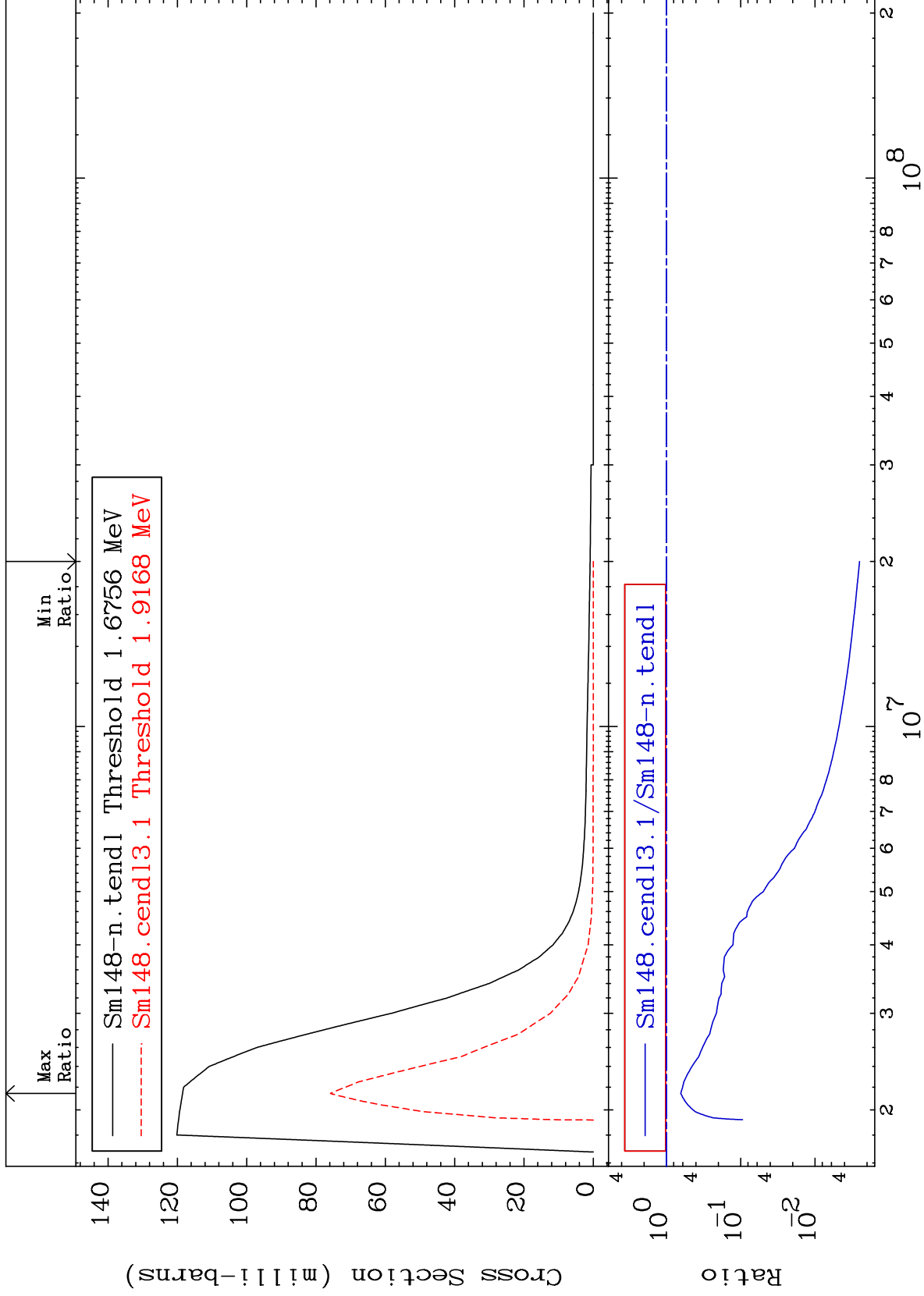
Incident Energy (eV)

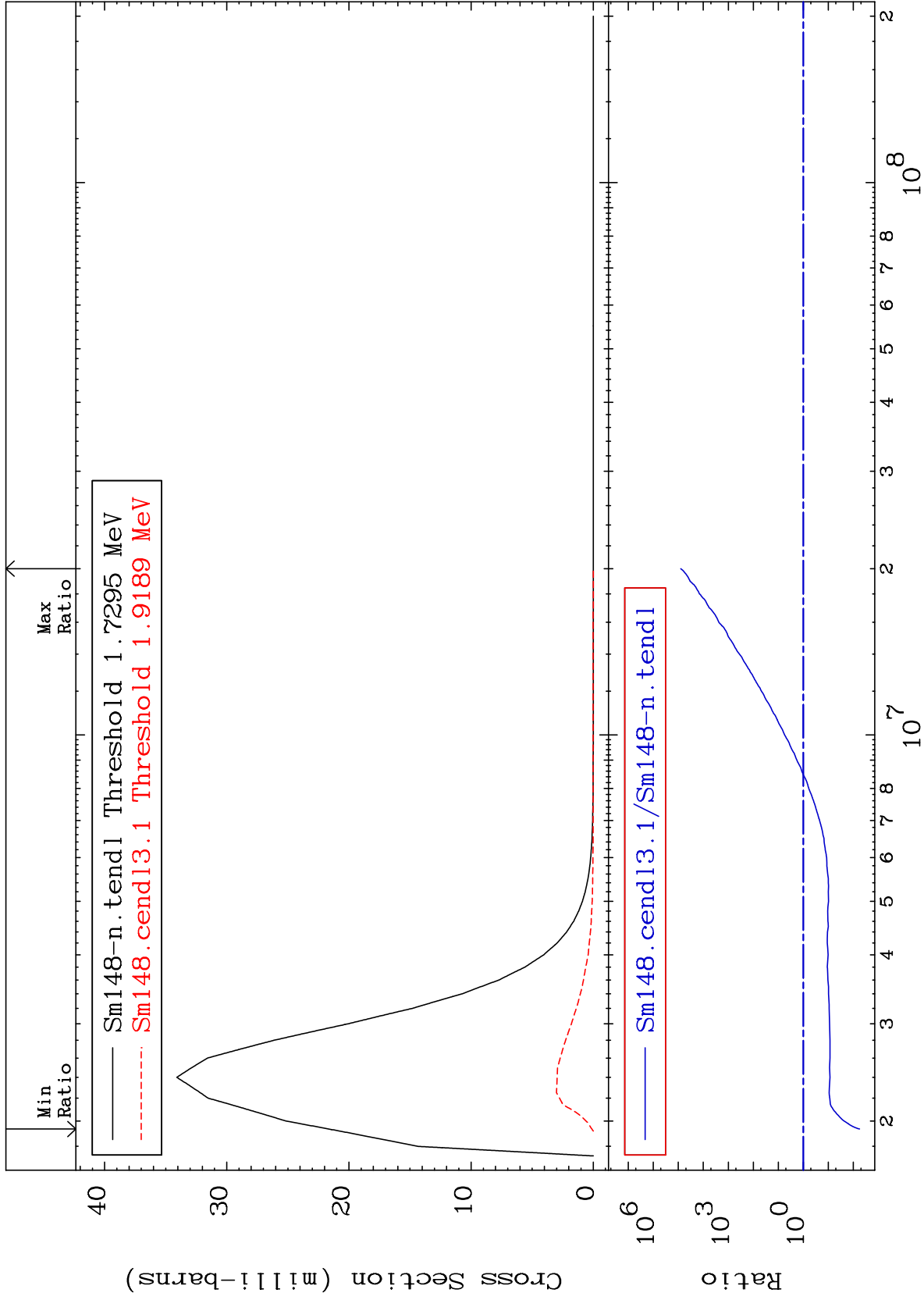
62-Sm-148

MAT 6237

1.664 MeV (n,n') Level
Cross Section

62-Sm-148
-99.75 To -35.98%





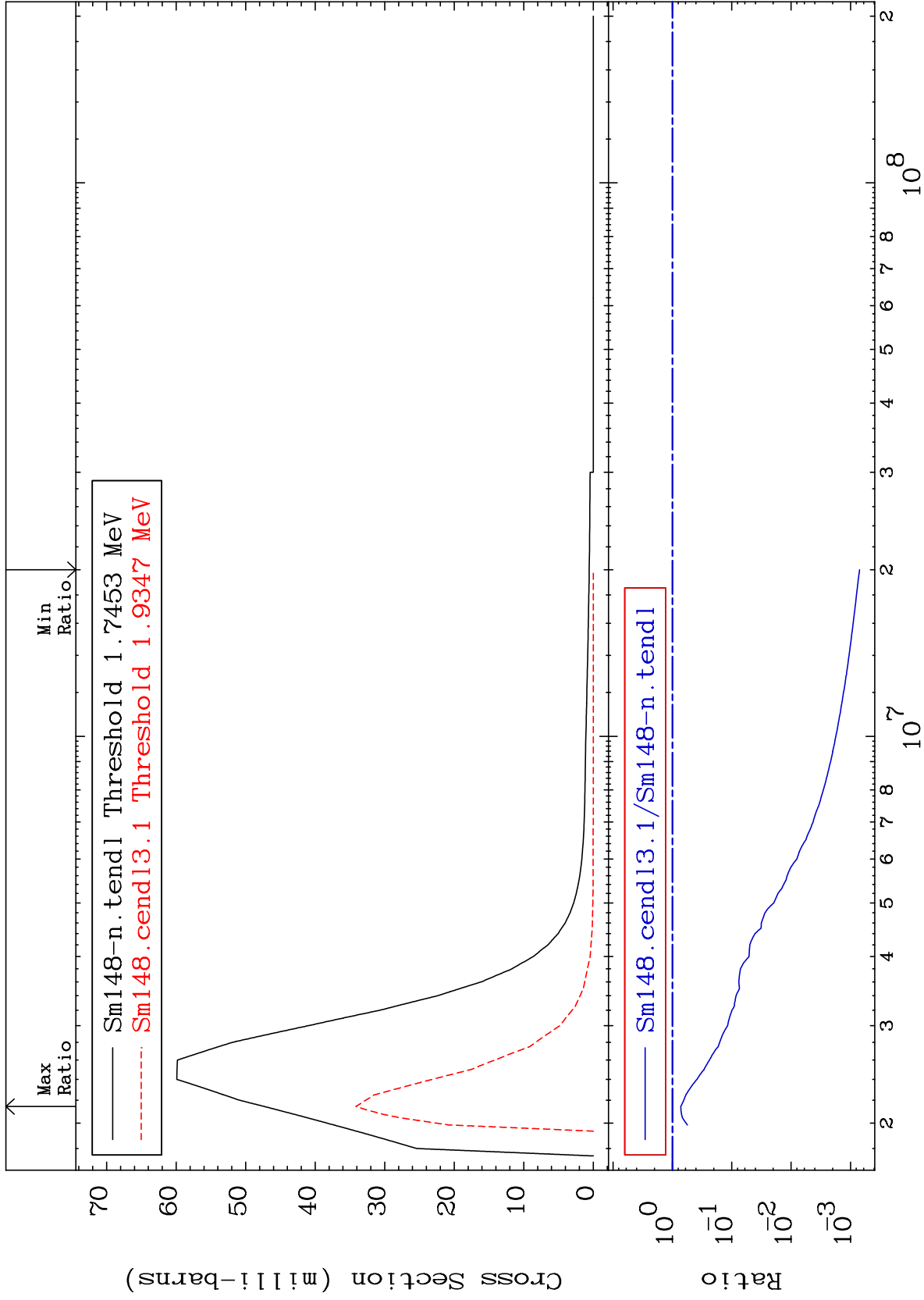
MAT 6237

1.733 MeV (n,n') Level

62-Sm-148

-99.93 To -27.79%

Cross Section



20

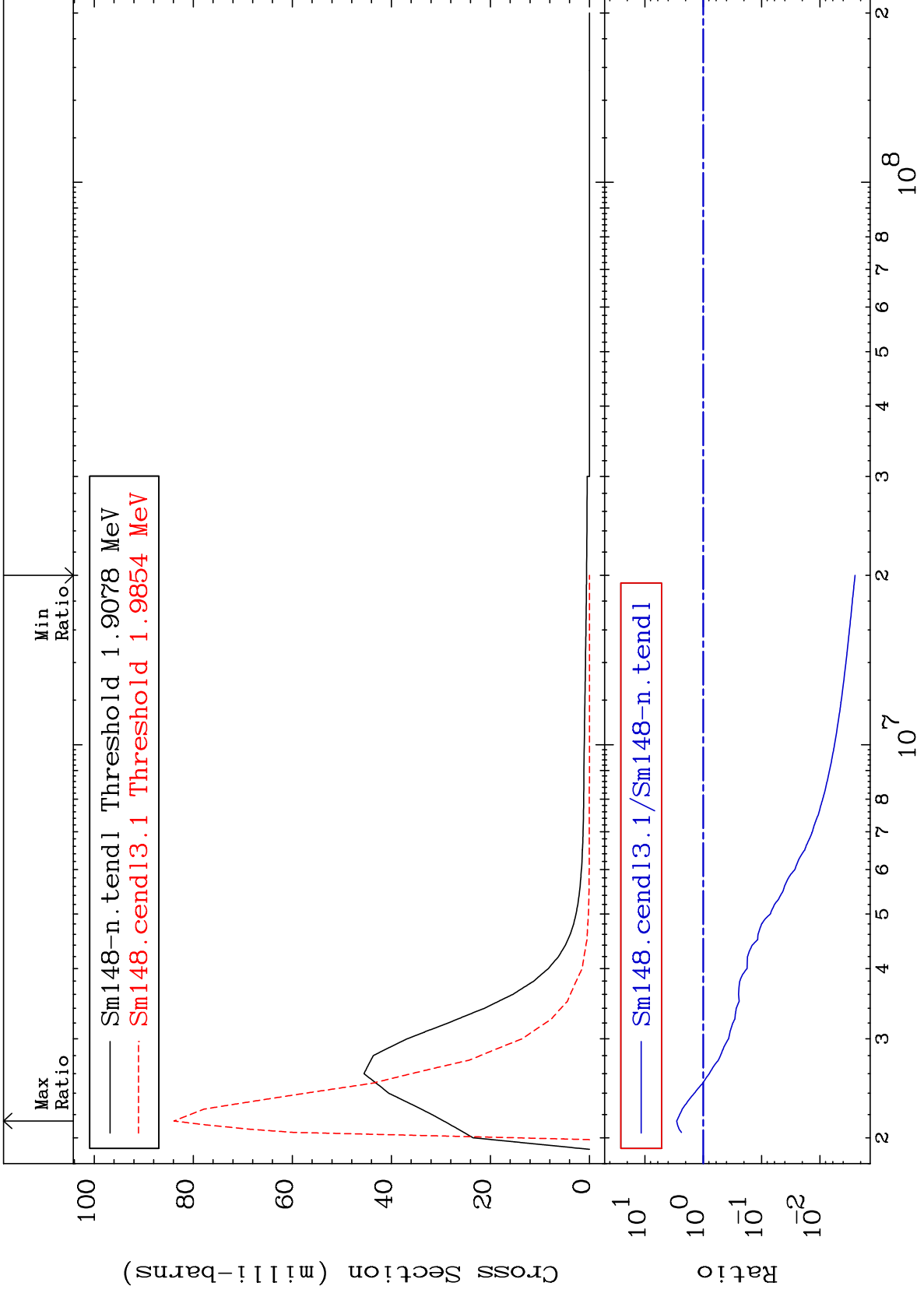
Incident Energy (eV)

62-Sm-148

MAT 6237

1.895 MeV (n,n') Level
Cross Section

62-Sm-148
-99.75 To 184.9 %



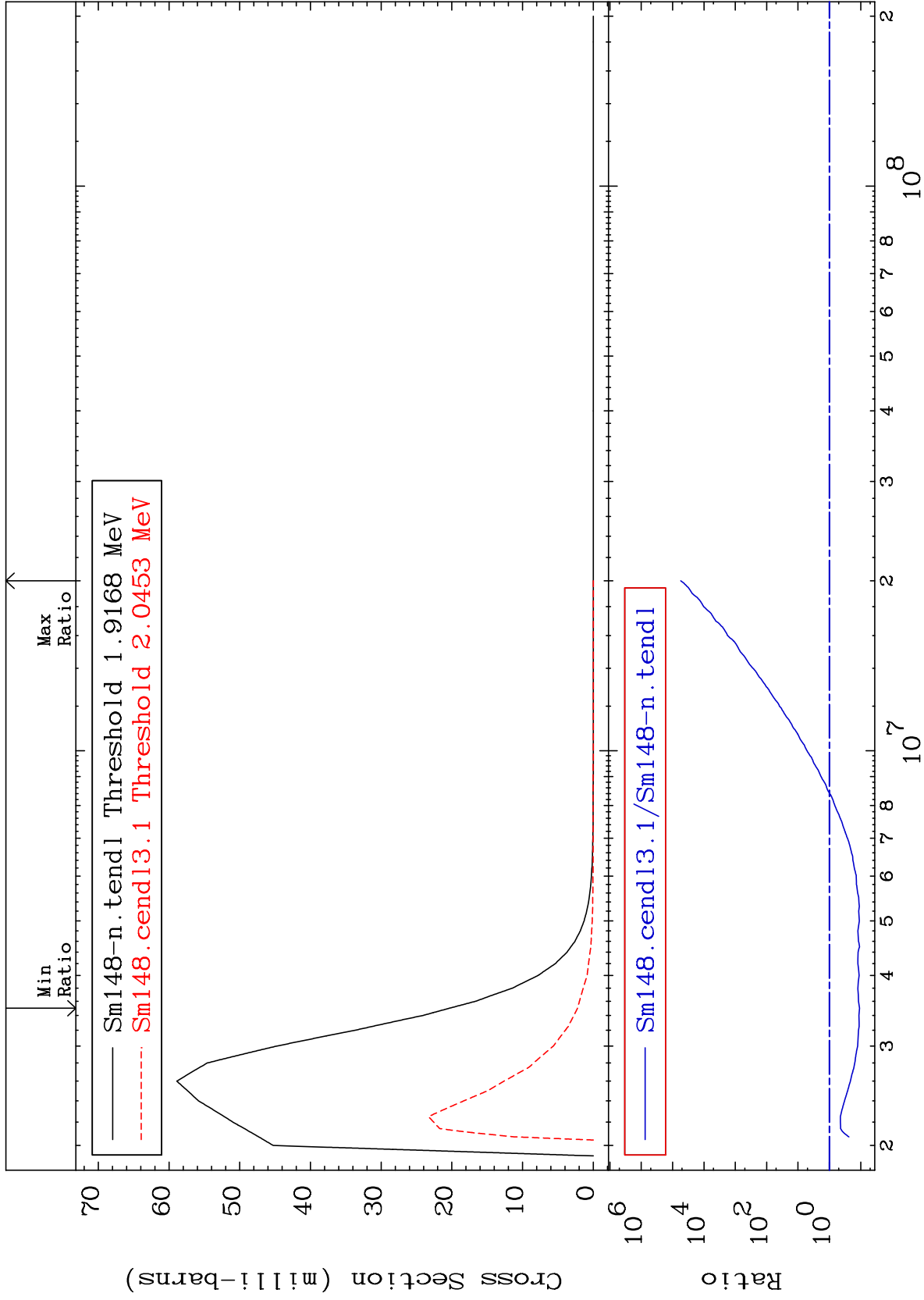
MAT 6237

1.904 MeV (n,n') Level

62-Sm-148

-89.09 To 9999. %

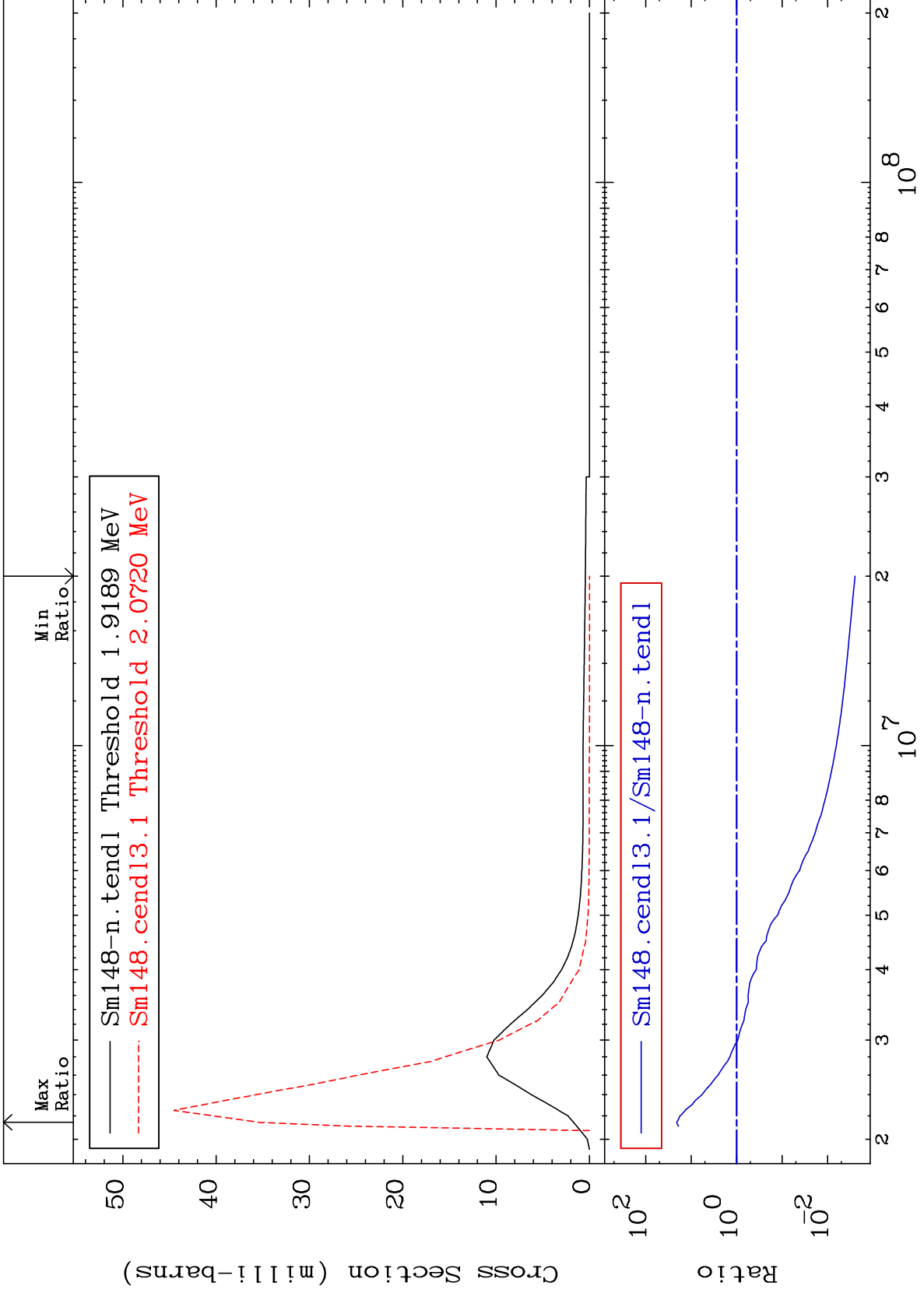
Cross Section



MAT 6237

1.906 MeV (n,n') Level
Cross Section

62-Sm-148
-99.75 To 1977. %



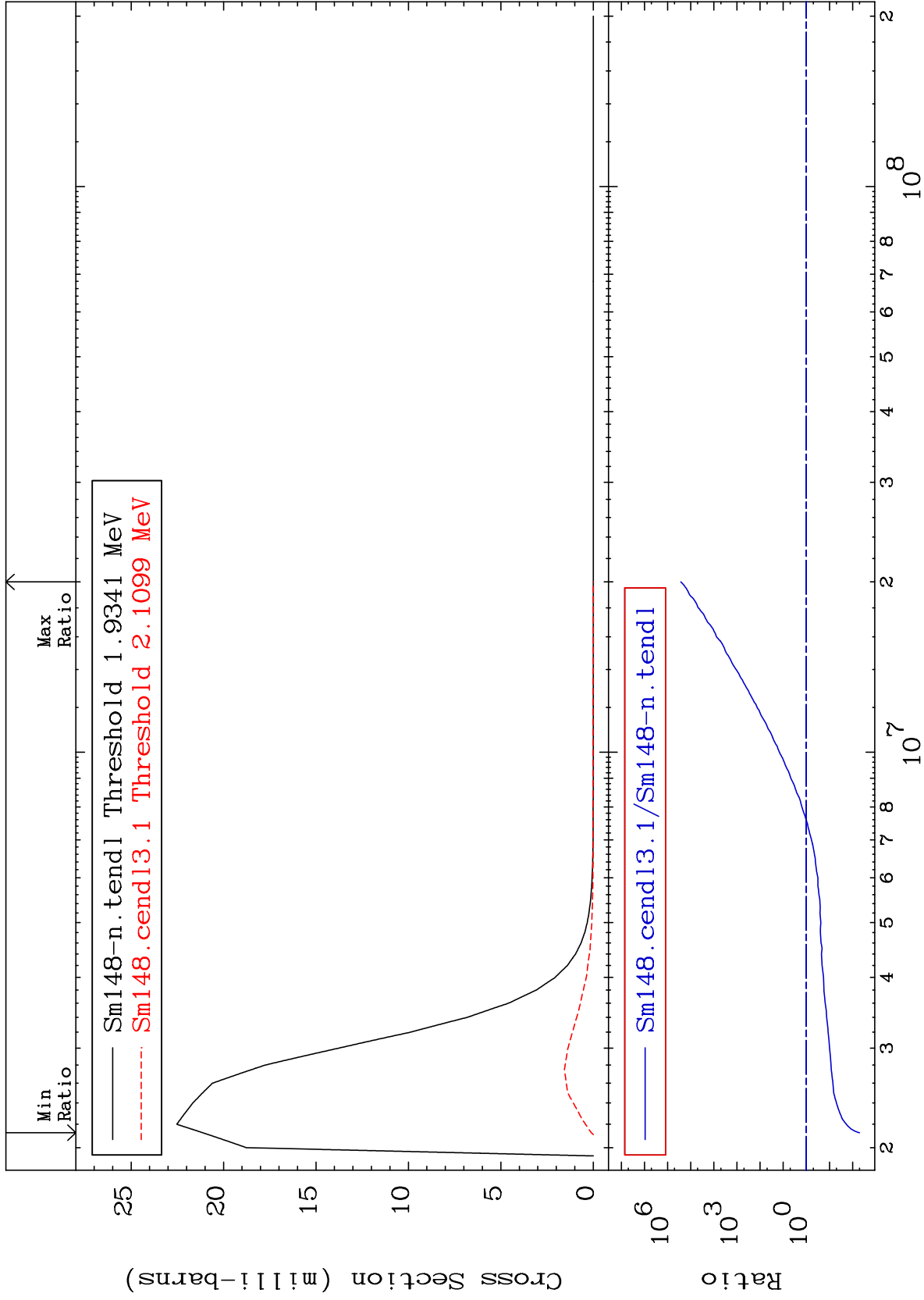
MAT 6237

1.921 MeV (n,n') Level

62-Sm-148

-99.50 To 9999. %

Cross Section



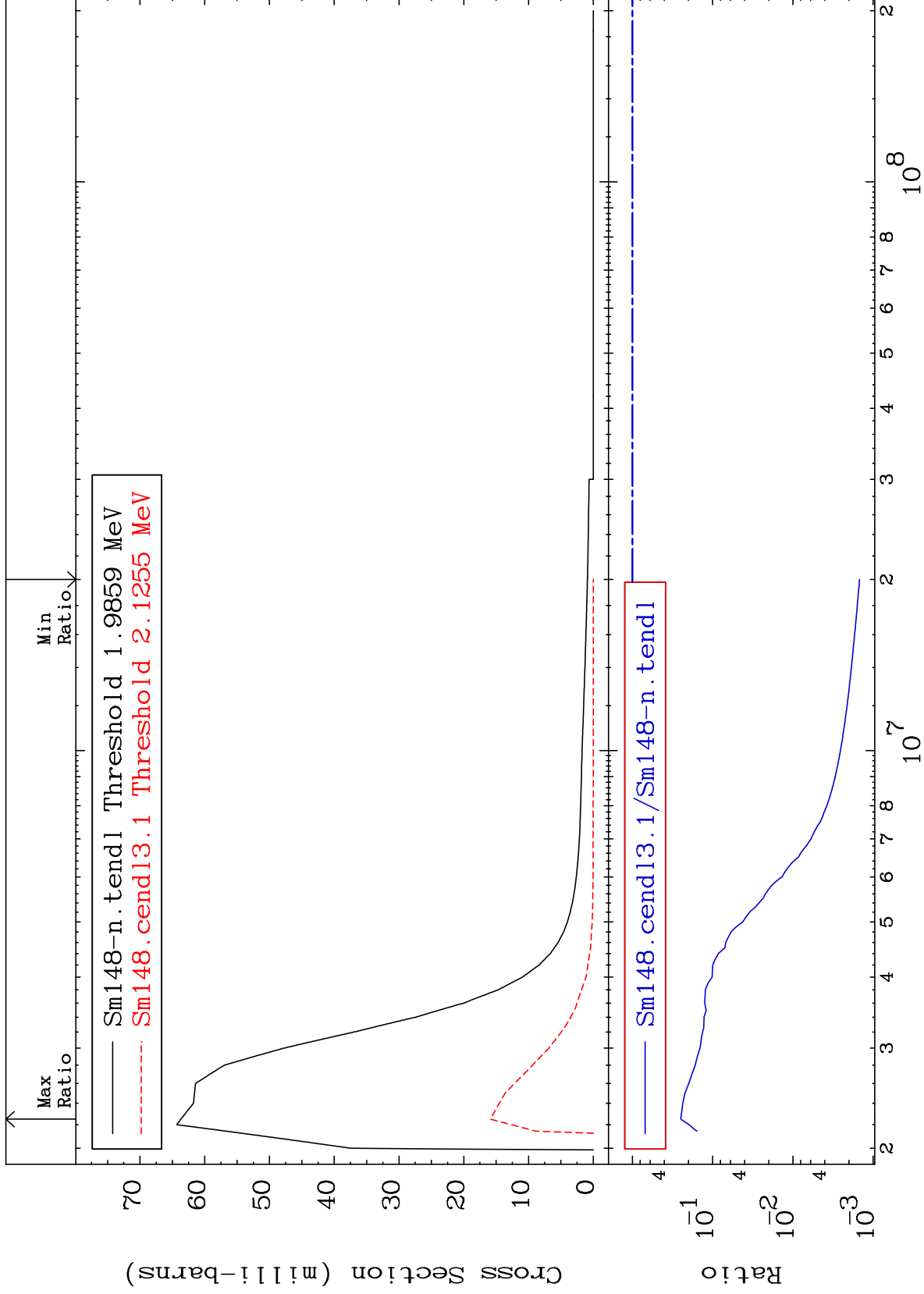
MAT 6237

1.972 MeV (n,n') Level

62-Sm-148

Cross Section

-99.85 To -75.06%



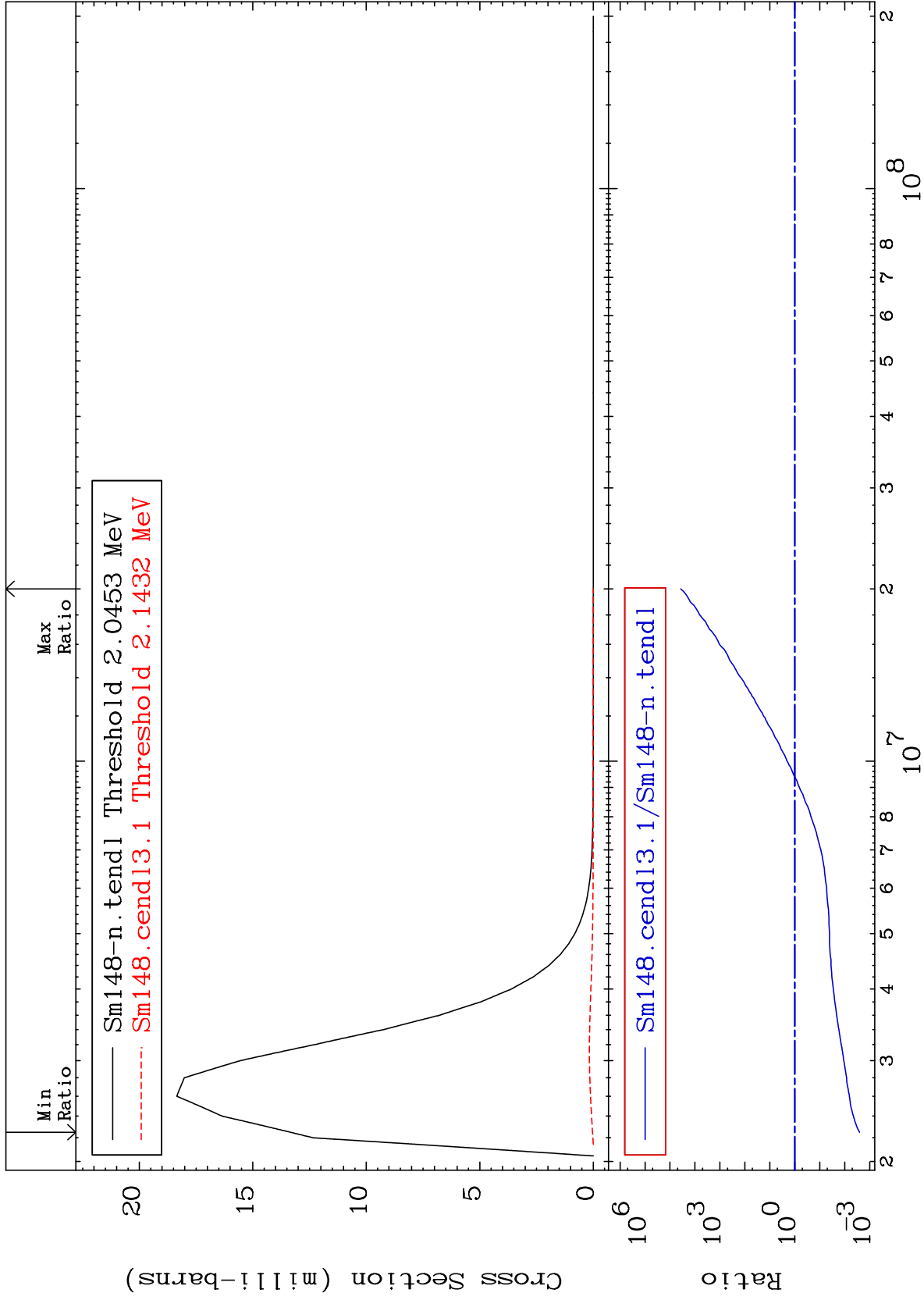
MAT 6237

2.031 MeV (n,n') Level

62-Sm-148

-99.74 To 9999. %

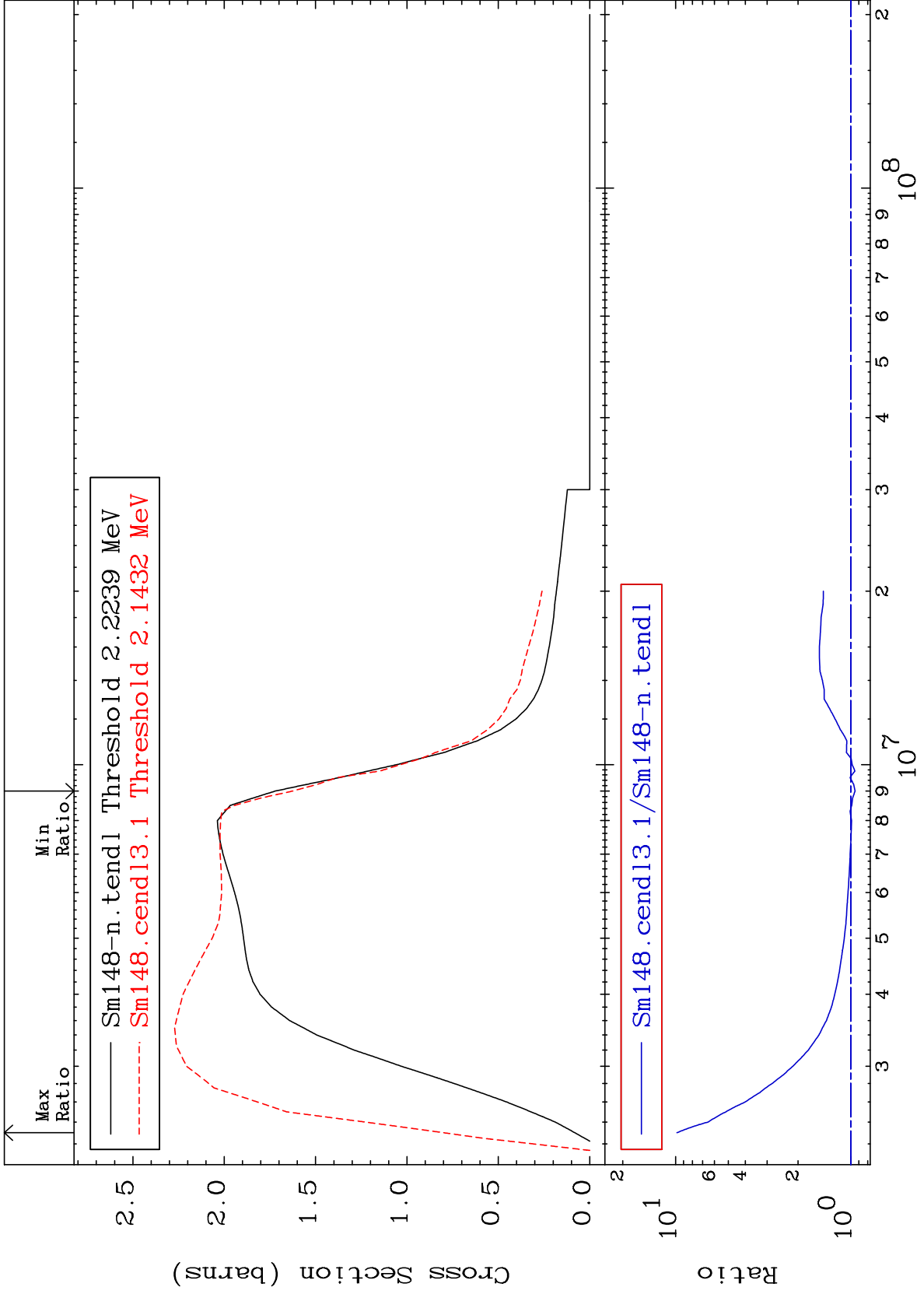
Cross Section



MAT 6237

(n, n') Continuum
Cross Section

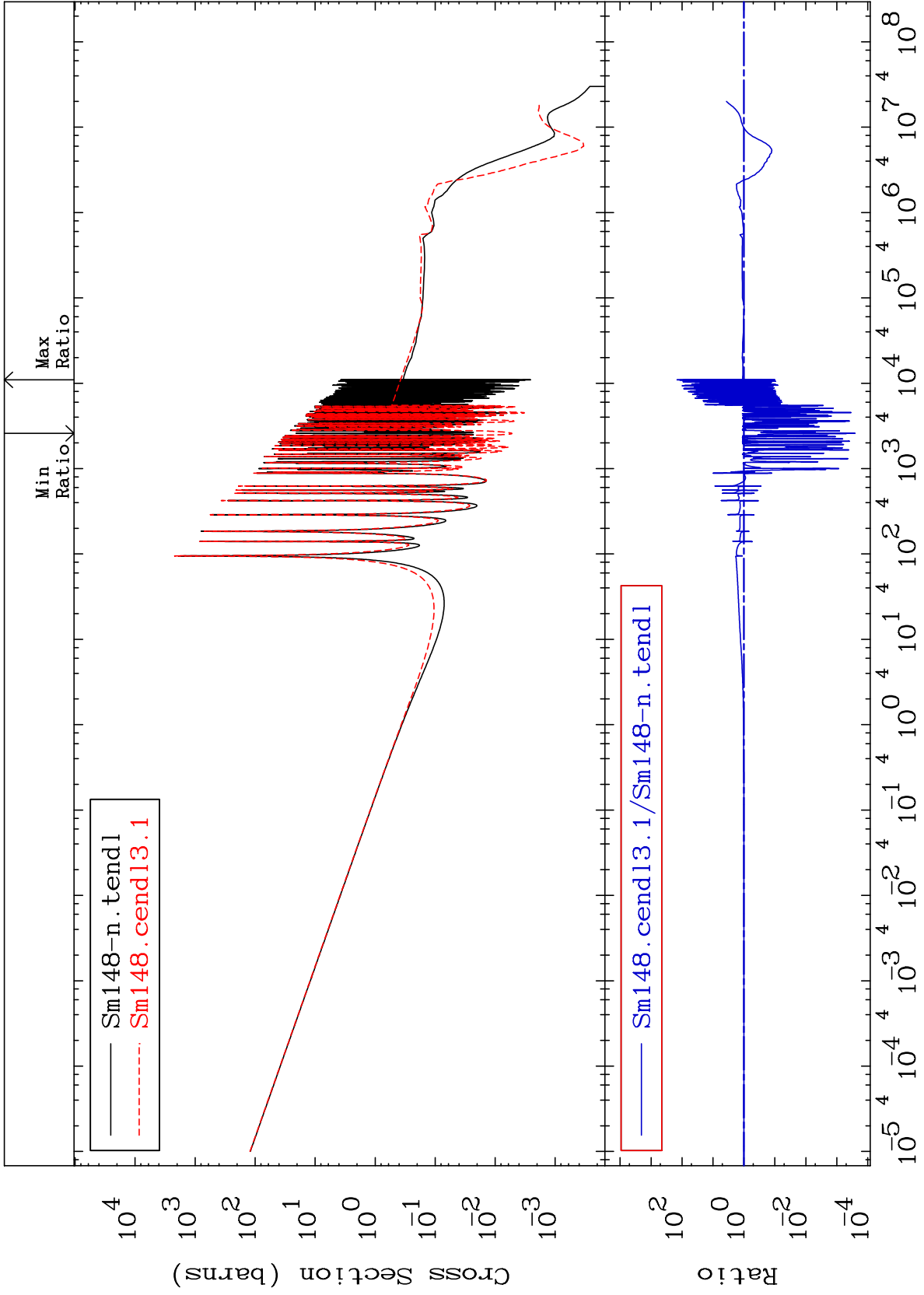
62-Sm-148
-5.482 To 882.1 %



MAT 6237

(n, γ)
Cross Section

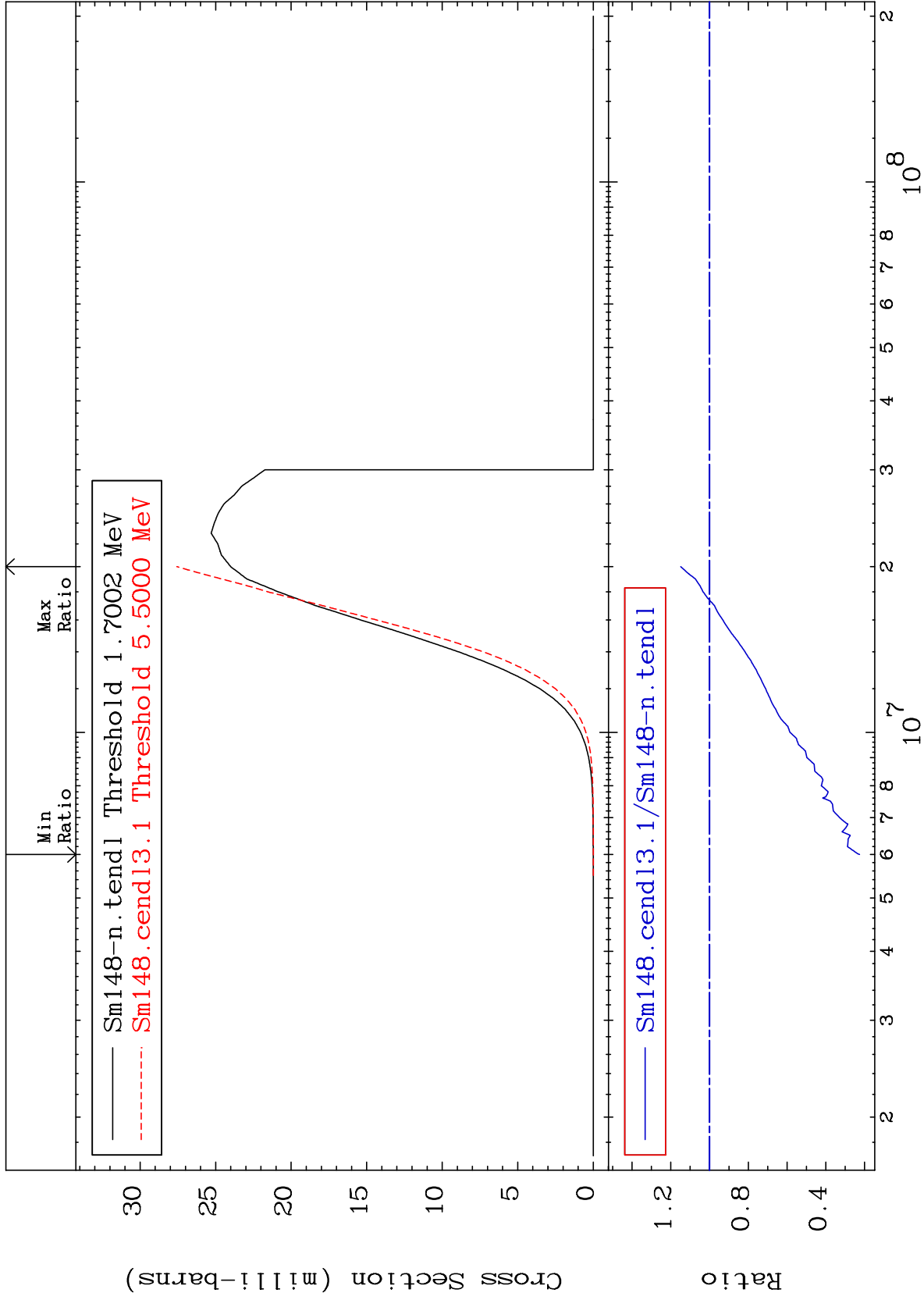
62-Sm-148
-99.97 To 9999. %



MAT 6237

62-Sm-148

(n,p)
Cross Section
-77.43 To 14.85 %



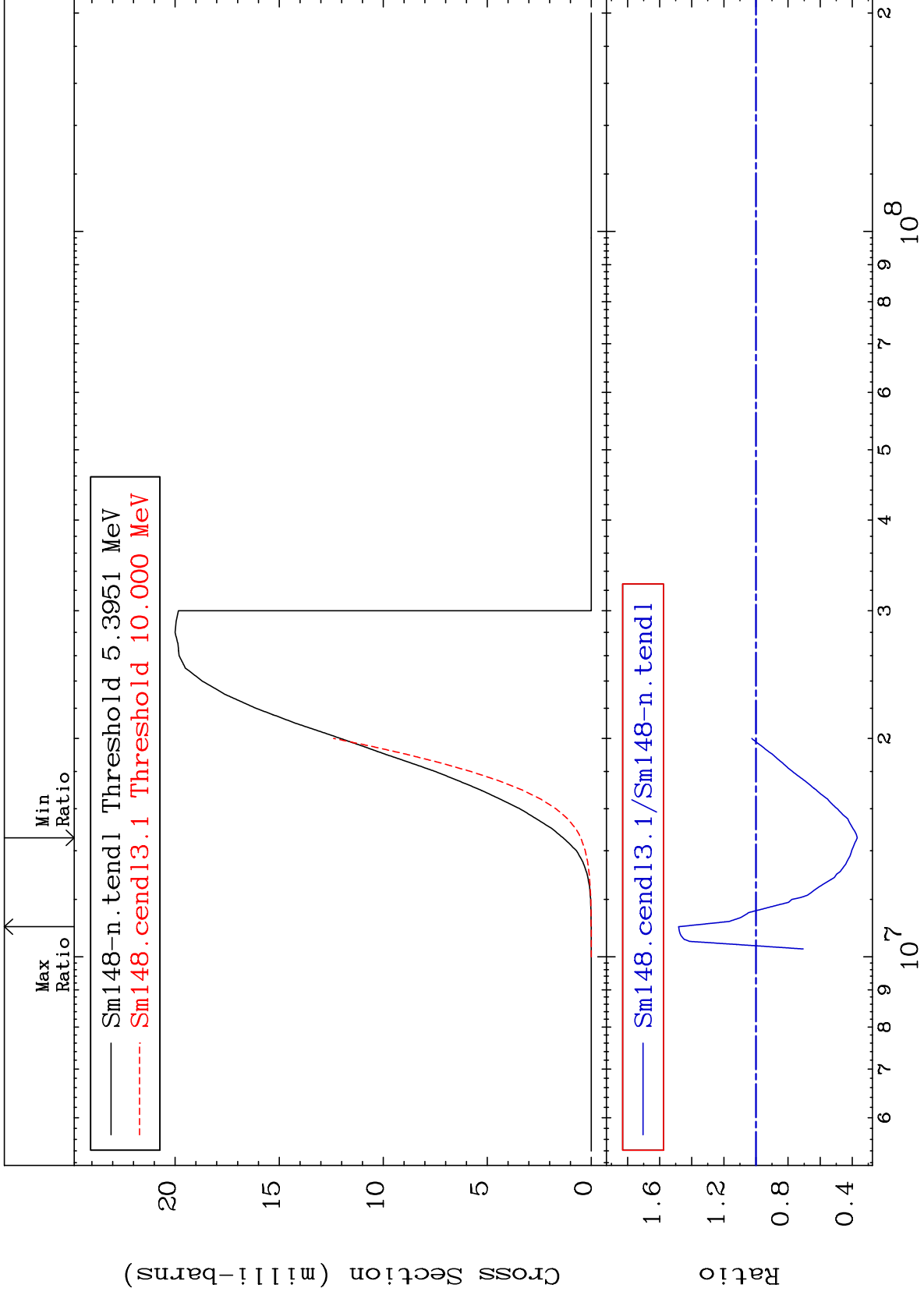
62-Sm-148

Incident Energy (eV)

MAT 6237

(n, d)
Cross Section

62-Sm-148
-63.08 To 48.17 %



30

62-Sm-148

MAT 6237

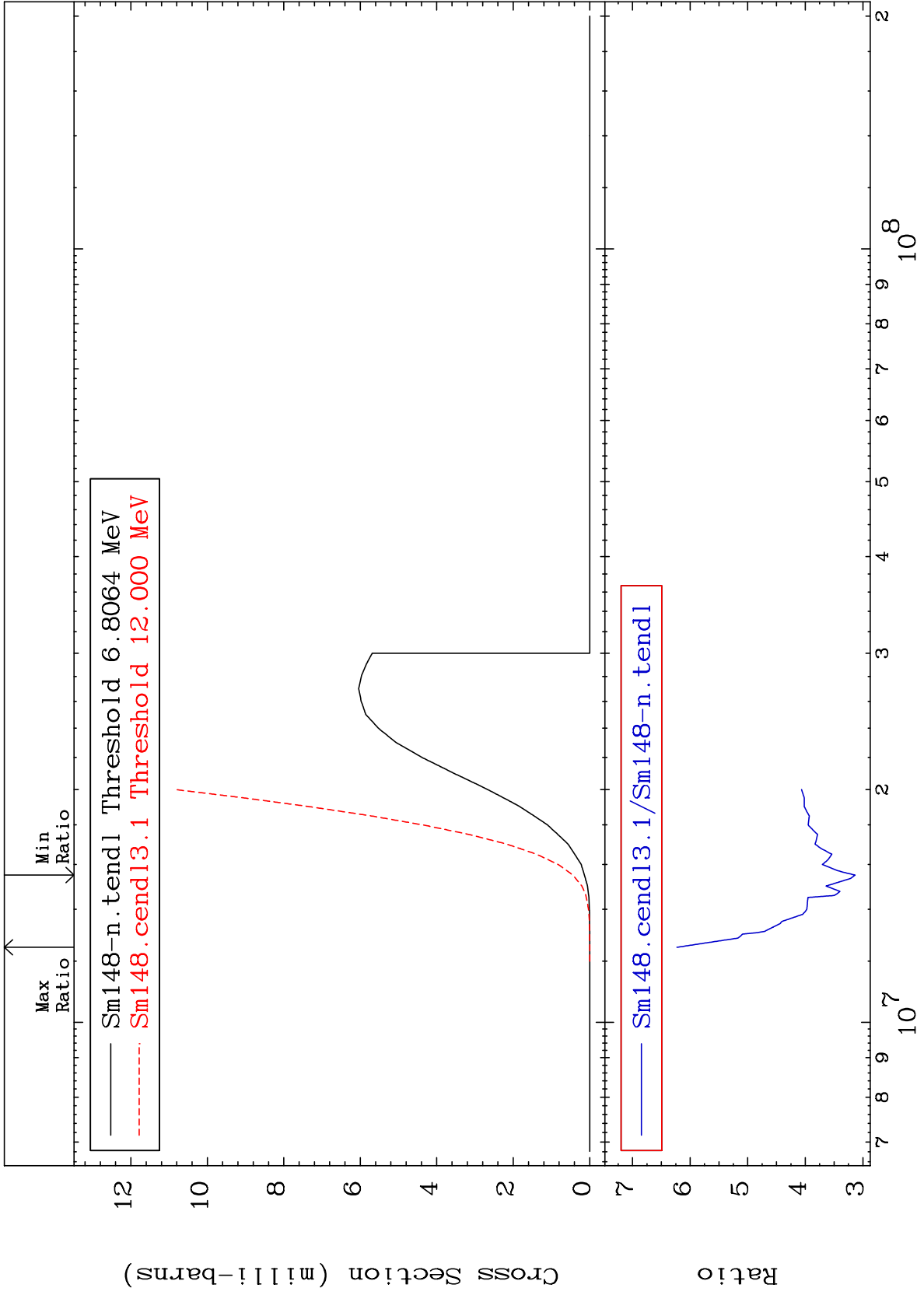
(n, t)

62-Sm-148

Cross Section

213.5

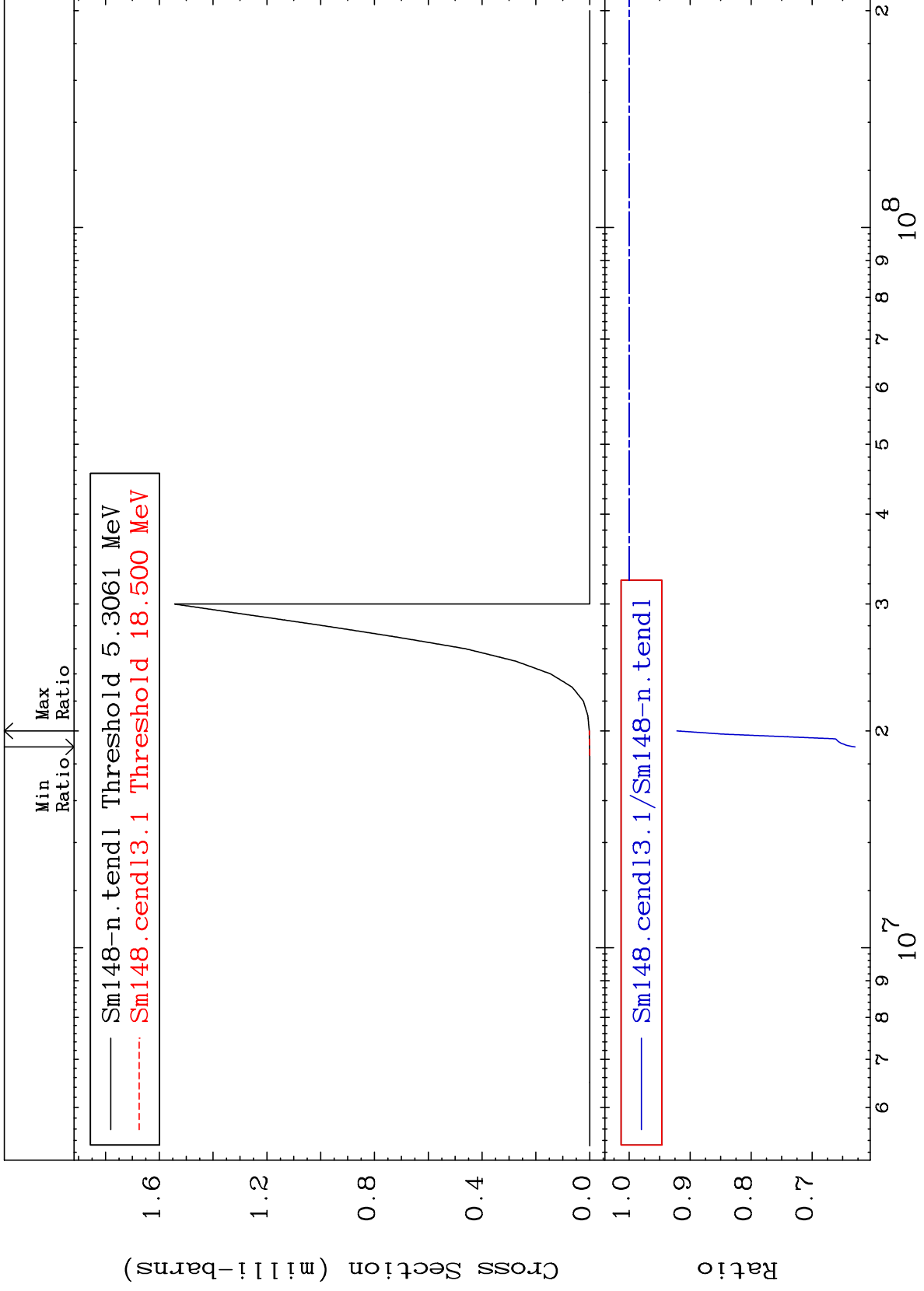
To 523.0 %



MAT 6237

(n, He-3)
Cross Section

62-Sm-148
-37.03 To -7.823%



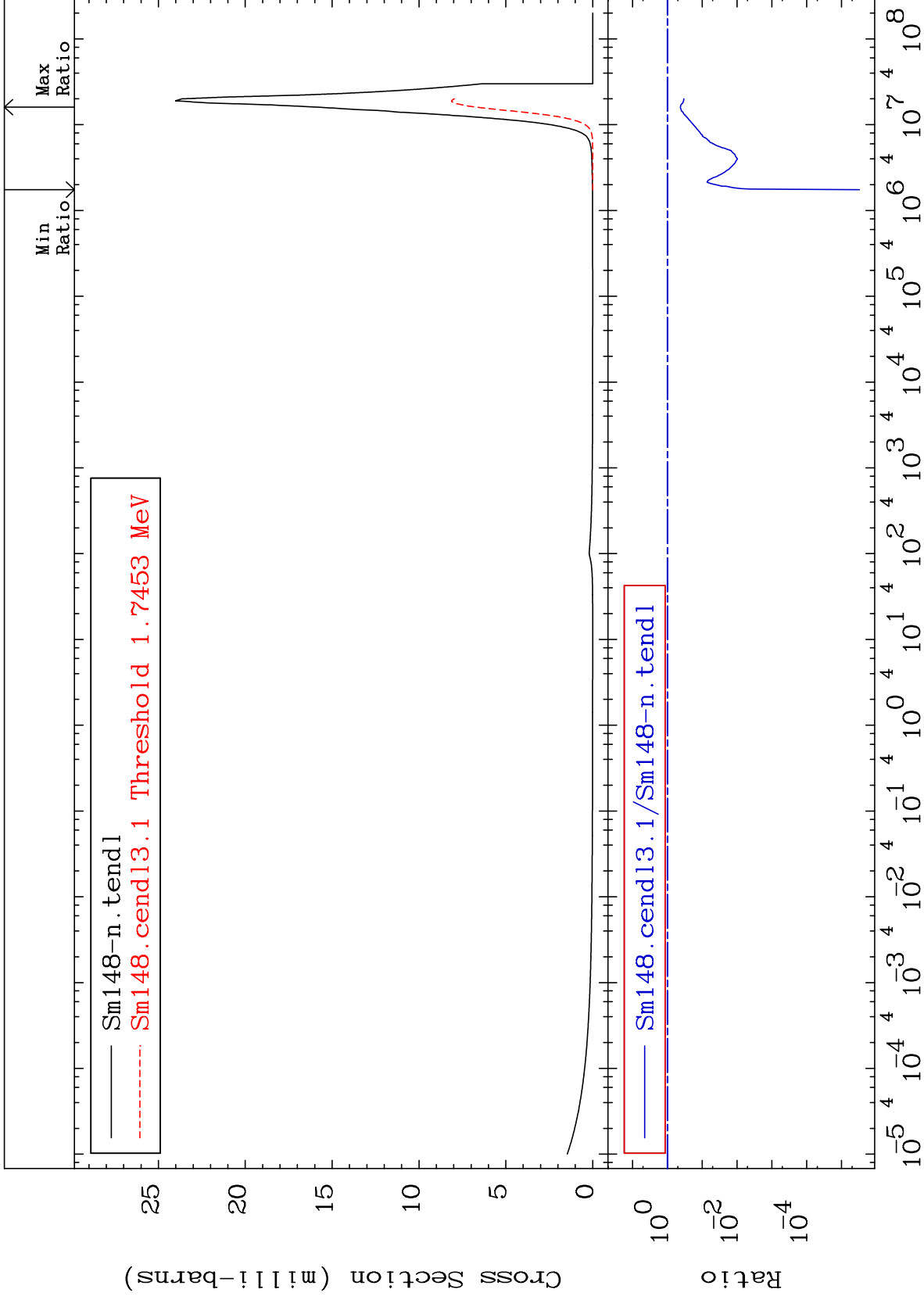
32

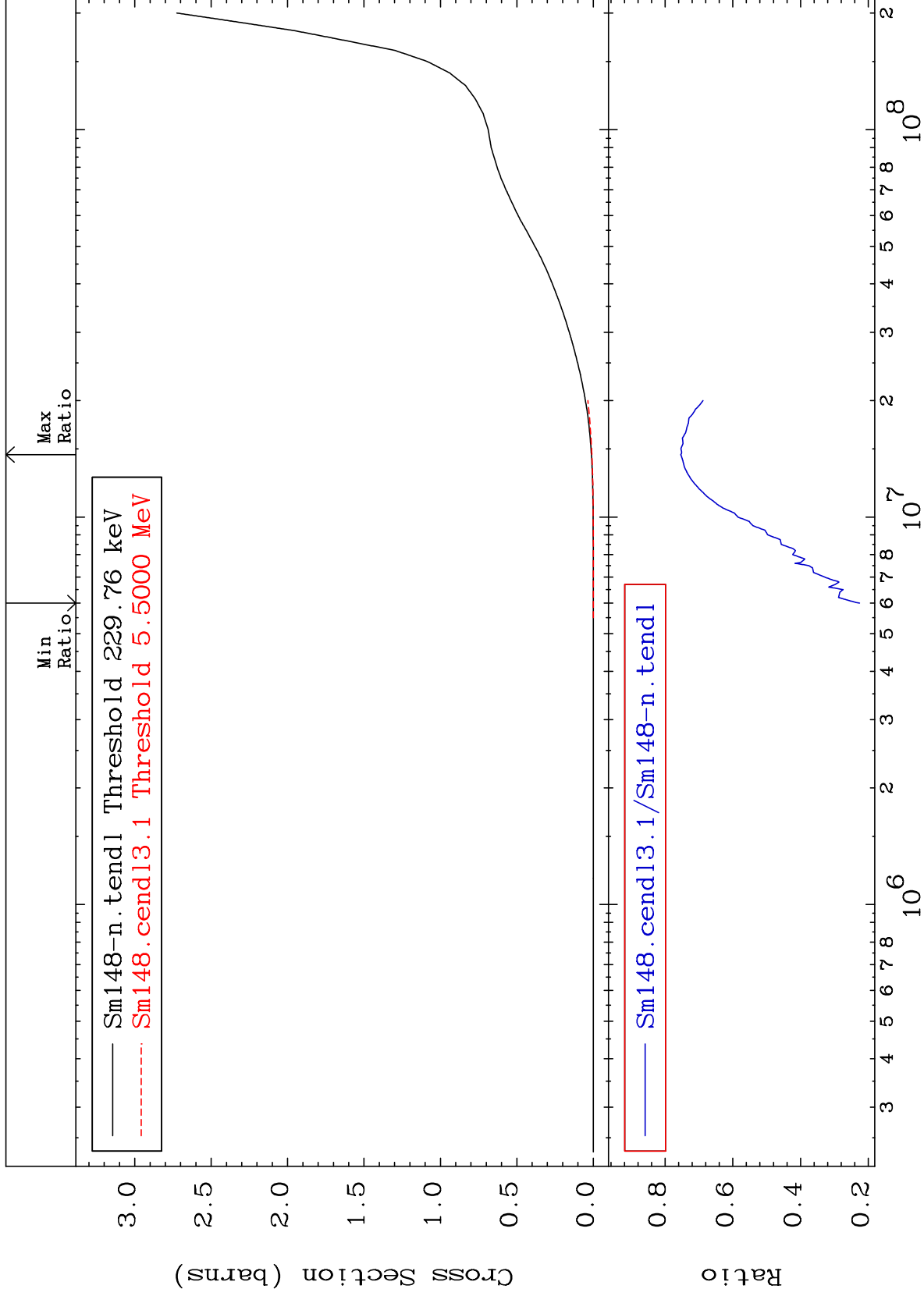
Incident Energy (eV)

62-Sm-148

Cross Section

-100.0 To -57.73%

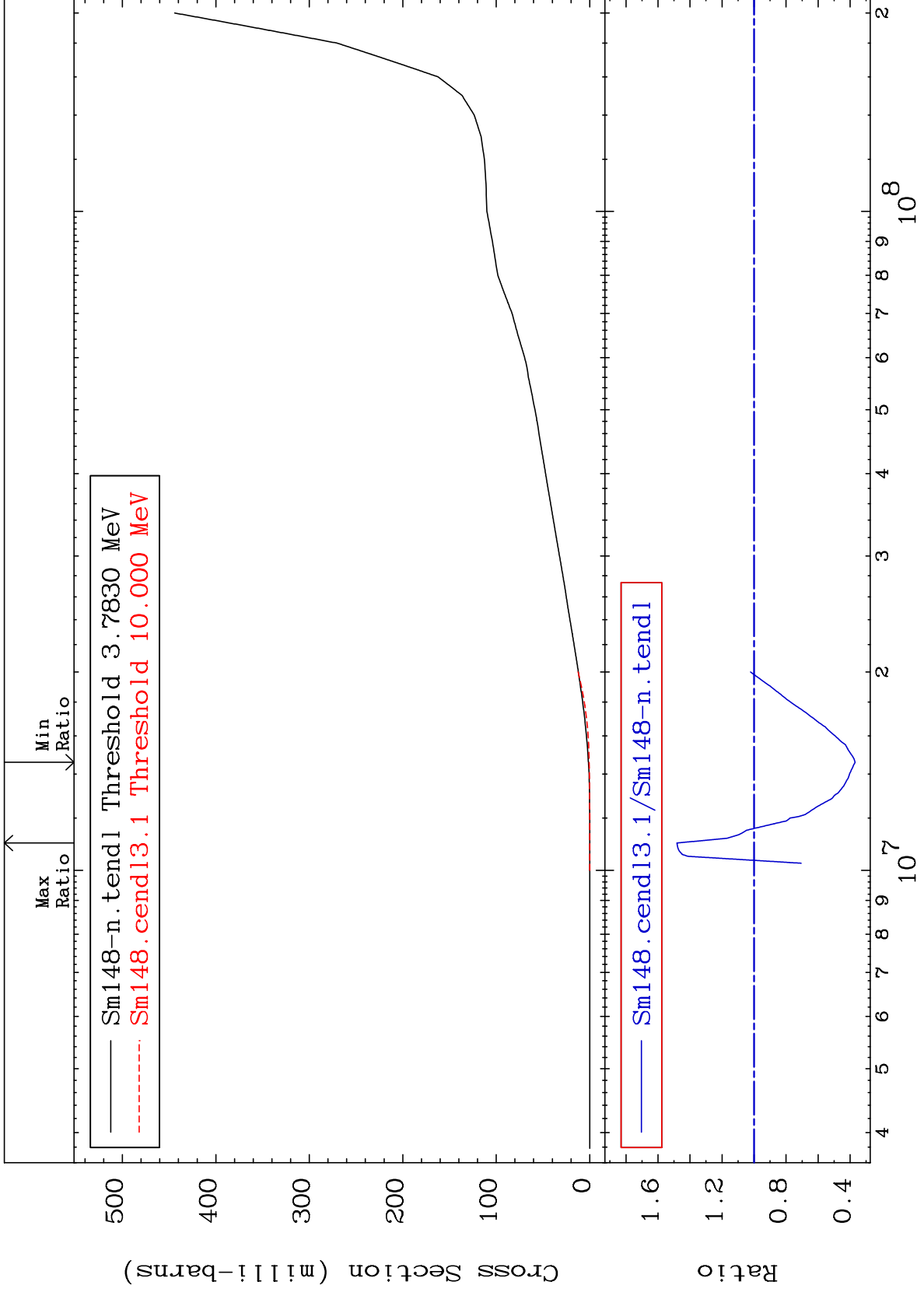




MAT 6237

Deuterium Production
Cross Section

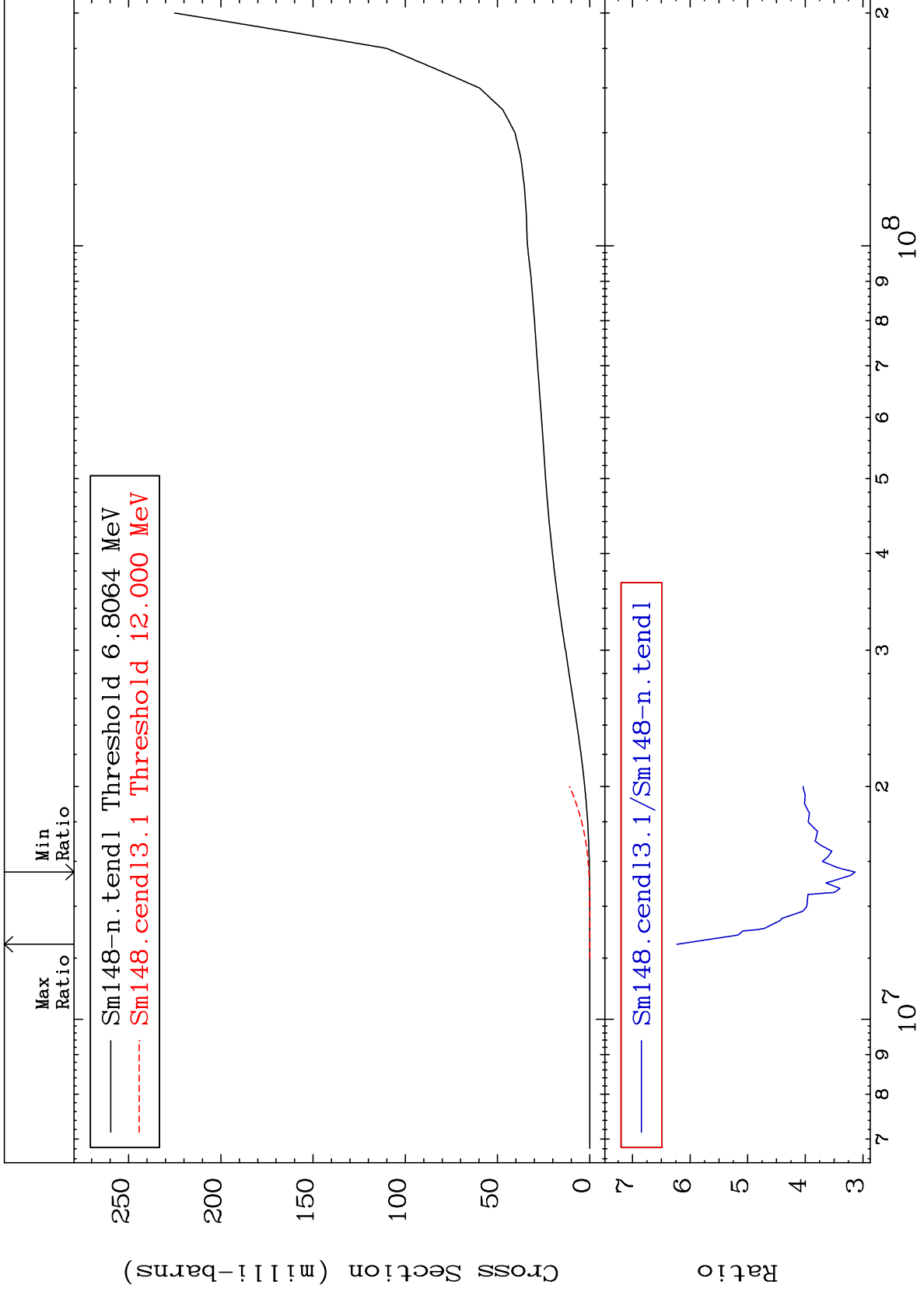
62-Sm-148
-63.08 To 48.17 %



MAT 6237

Tritium Production
Cross Section

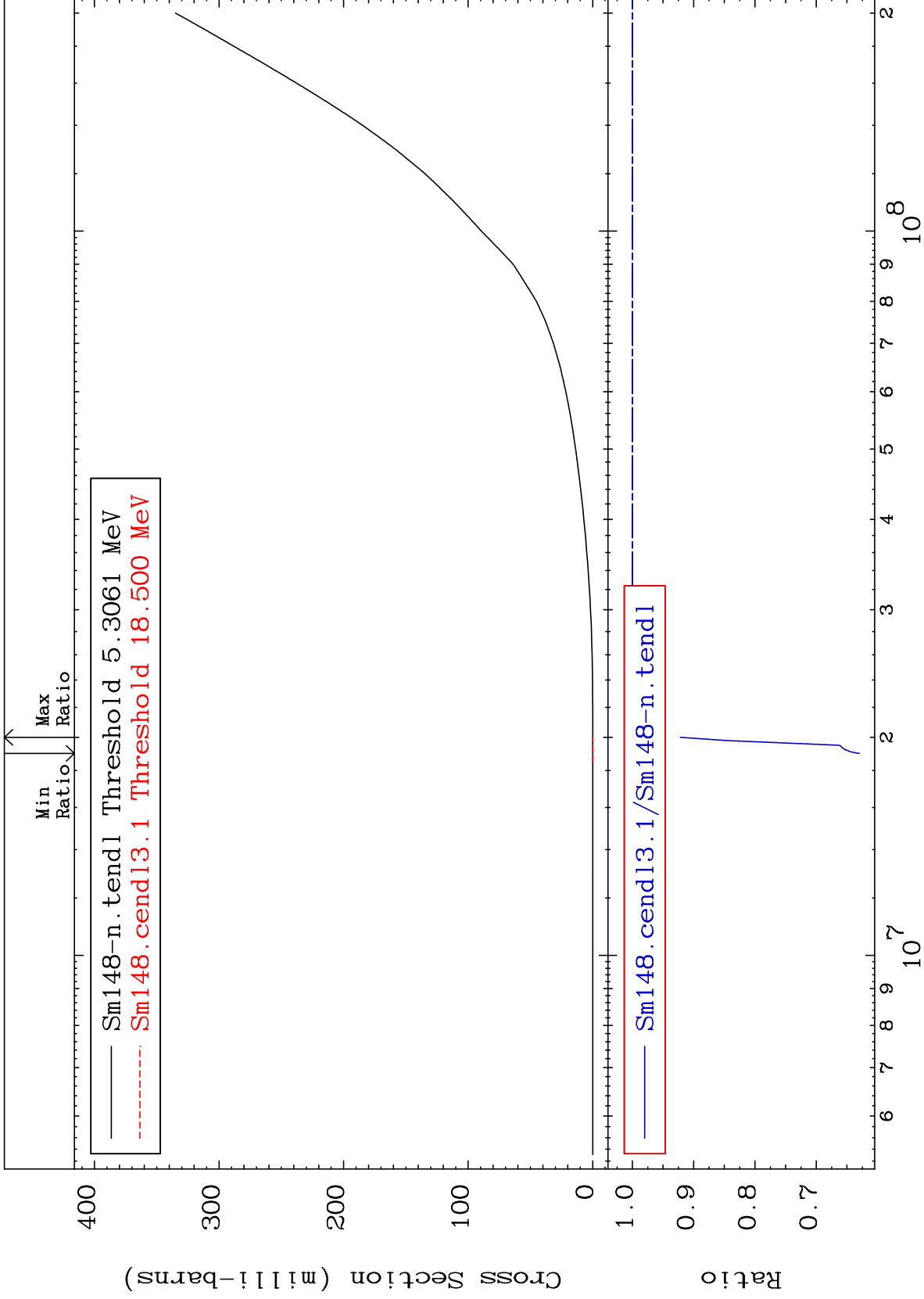
62-Sm-148
213.5 To 523.0 %



MAT 6237

He-3 Production
Cross Section

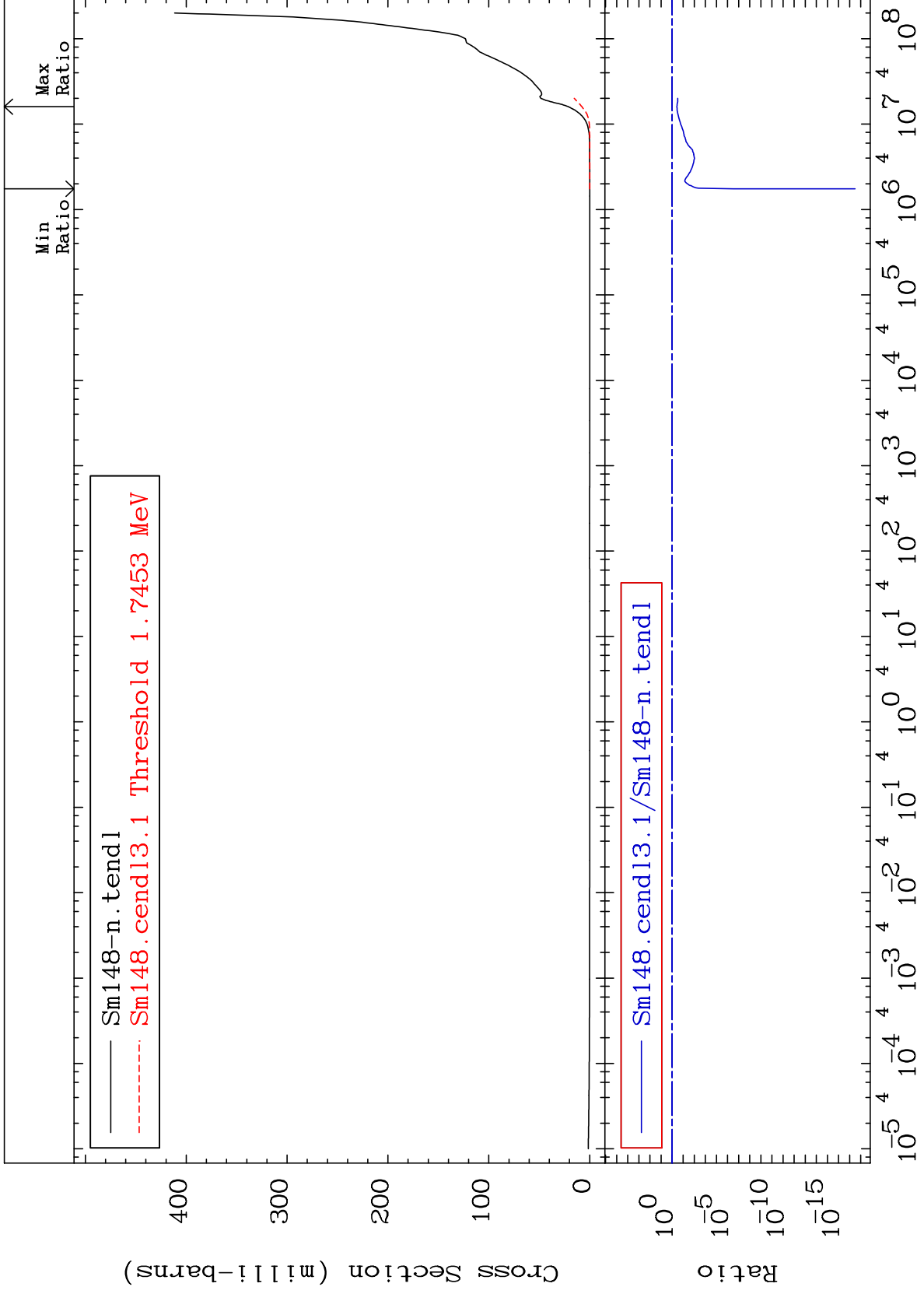
62-Sm-148
-37.03 To -7.823%

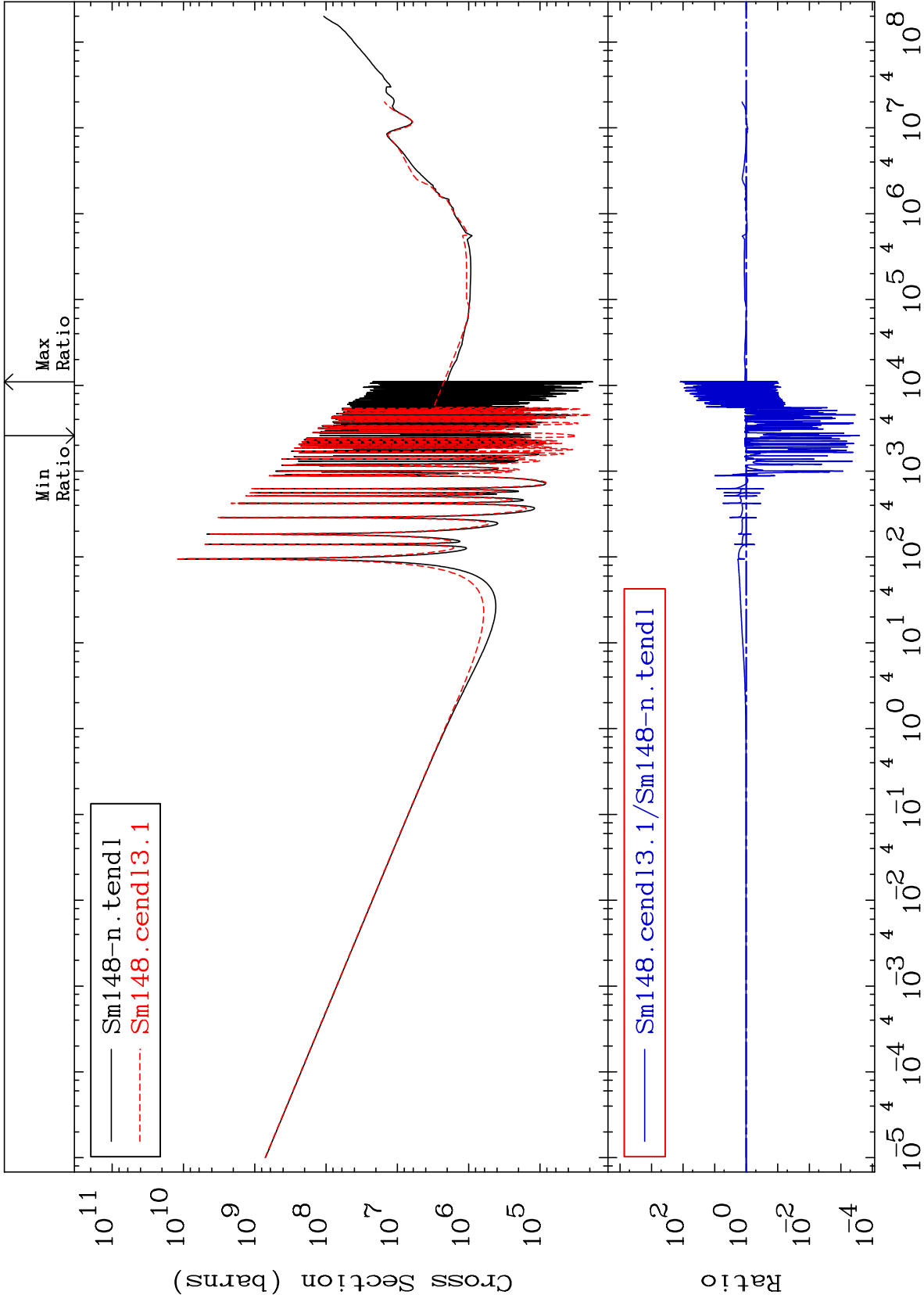


37

Incident Energy (eV)

62-Sm-148

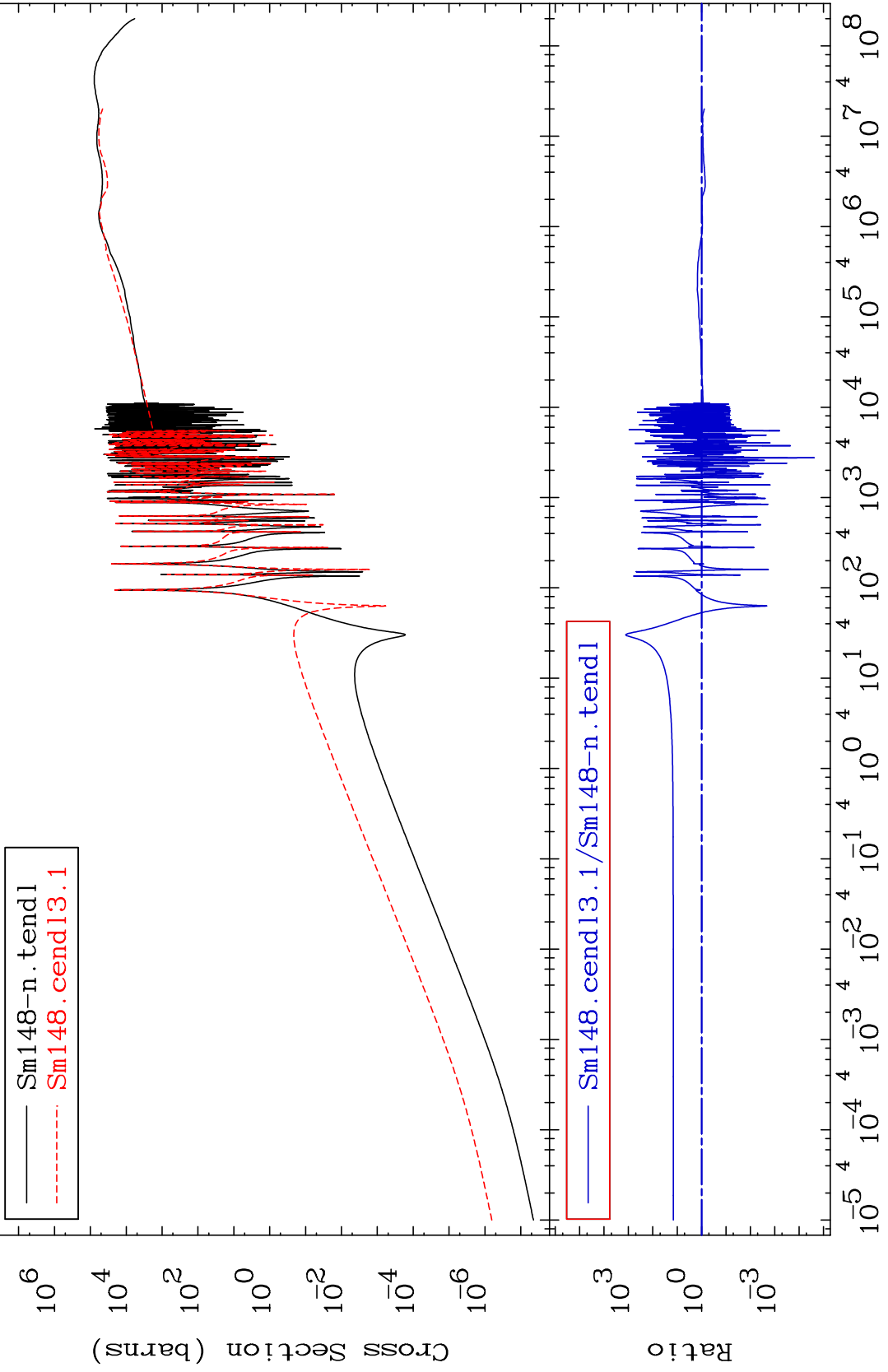




MAT 6237

Kerma elastic
Cross Section

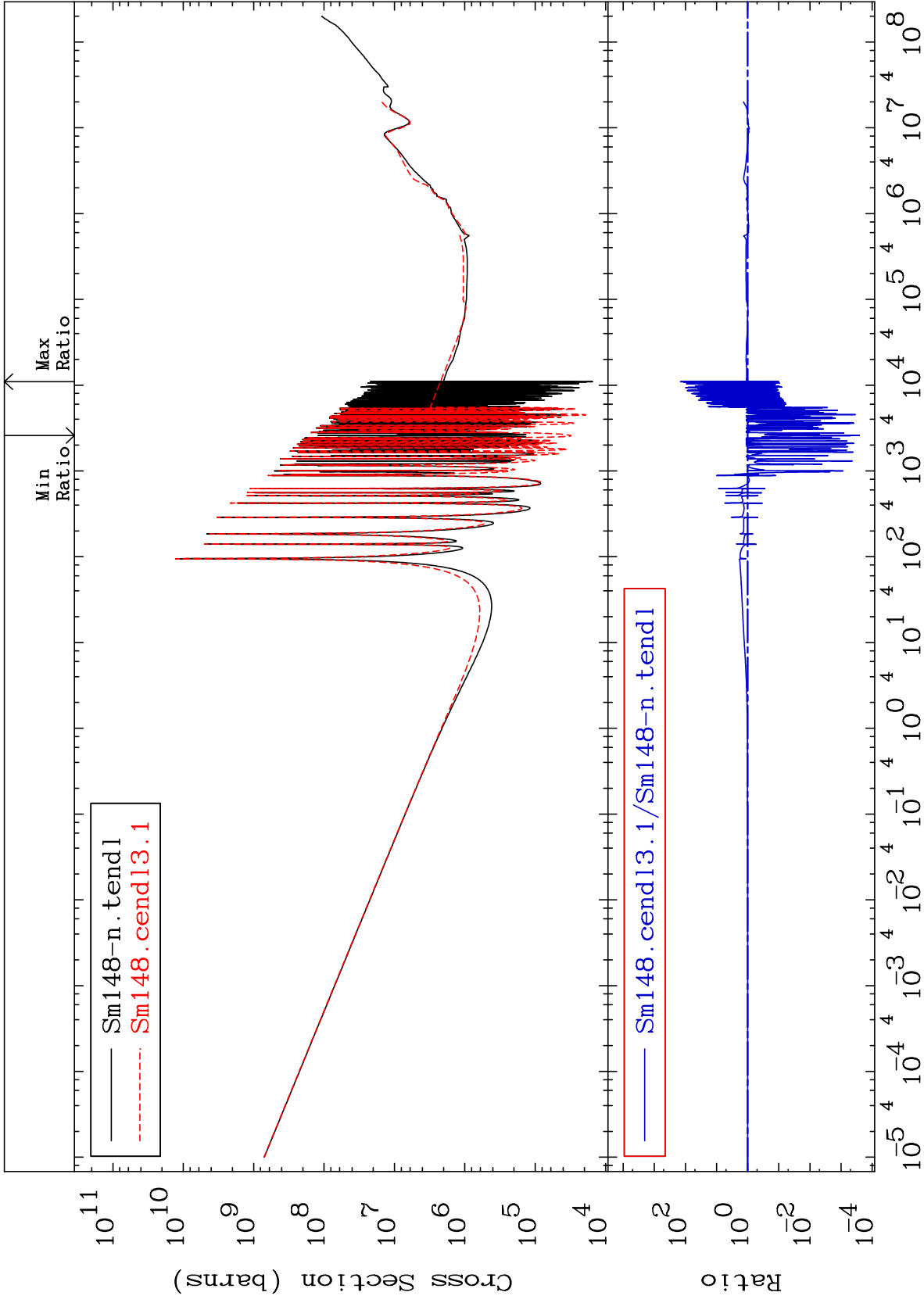
62-Sm-148
-100.0 To 9999. %

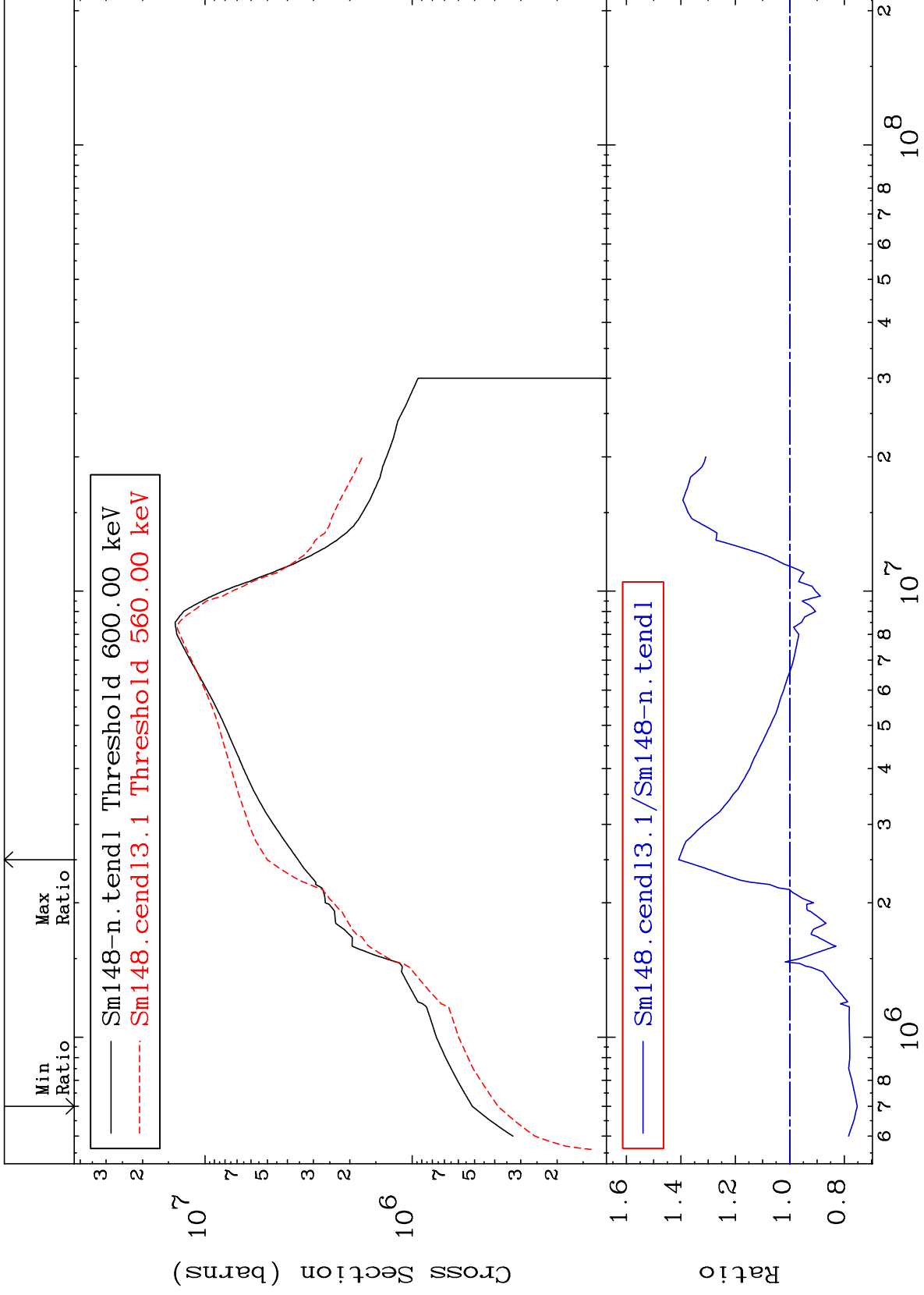


40

Incident Energy (eV)

62-Sm-148

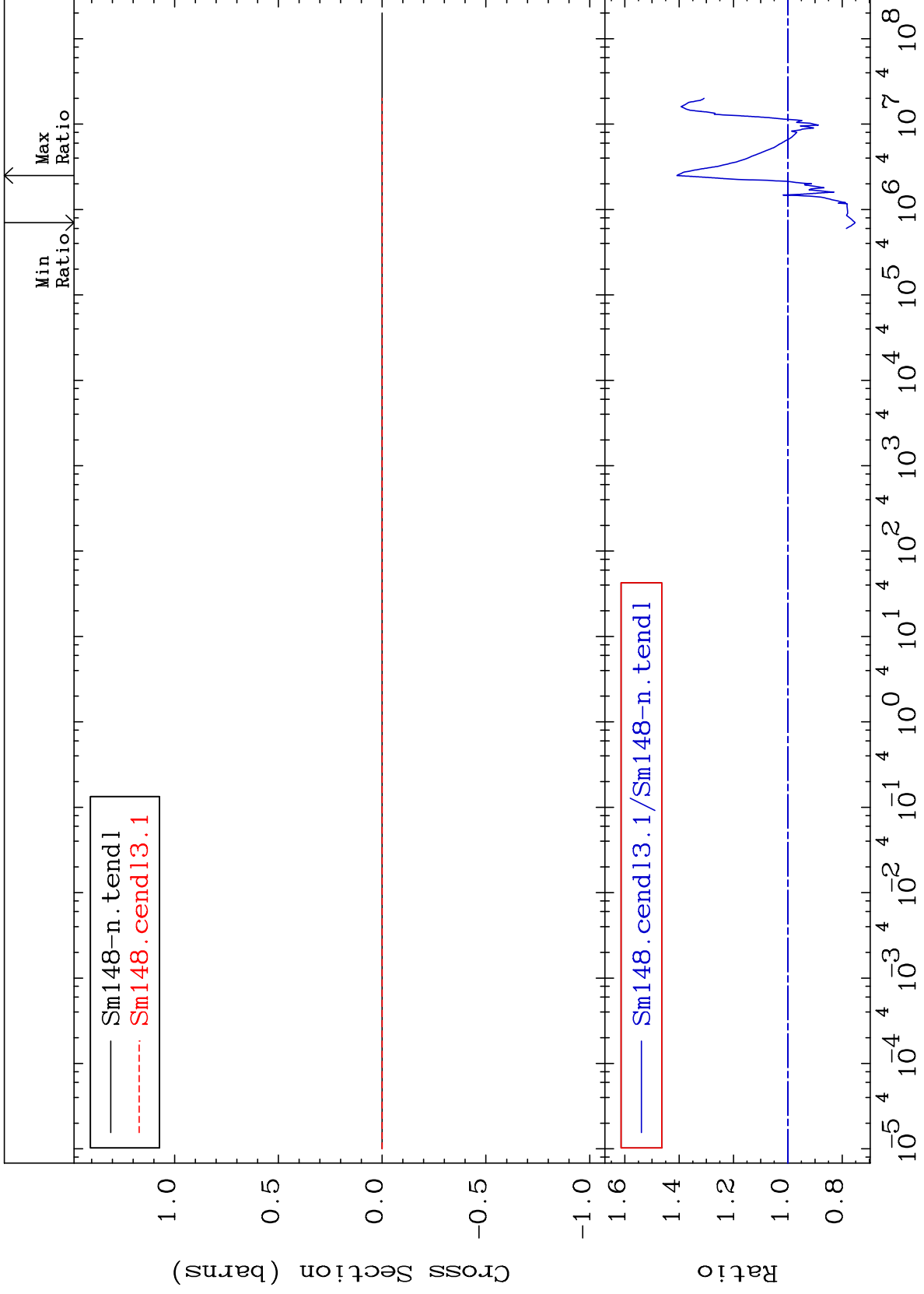




MAT 6237

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

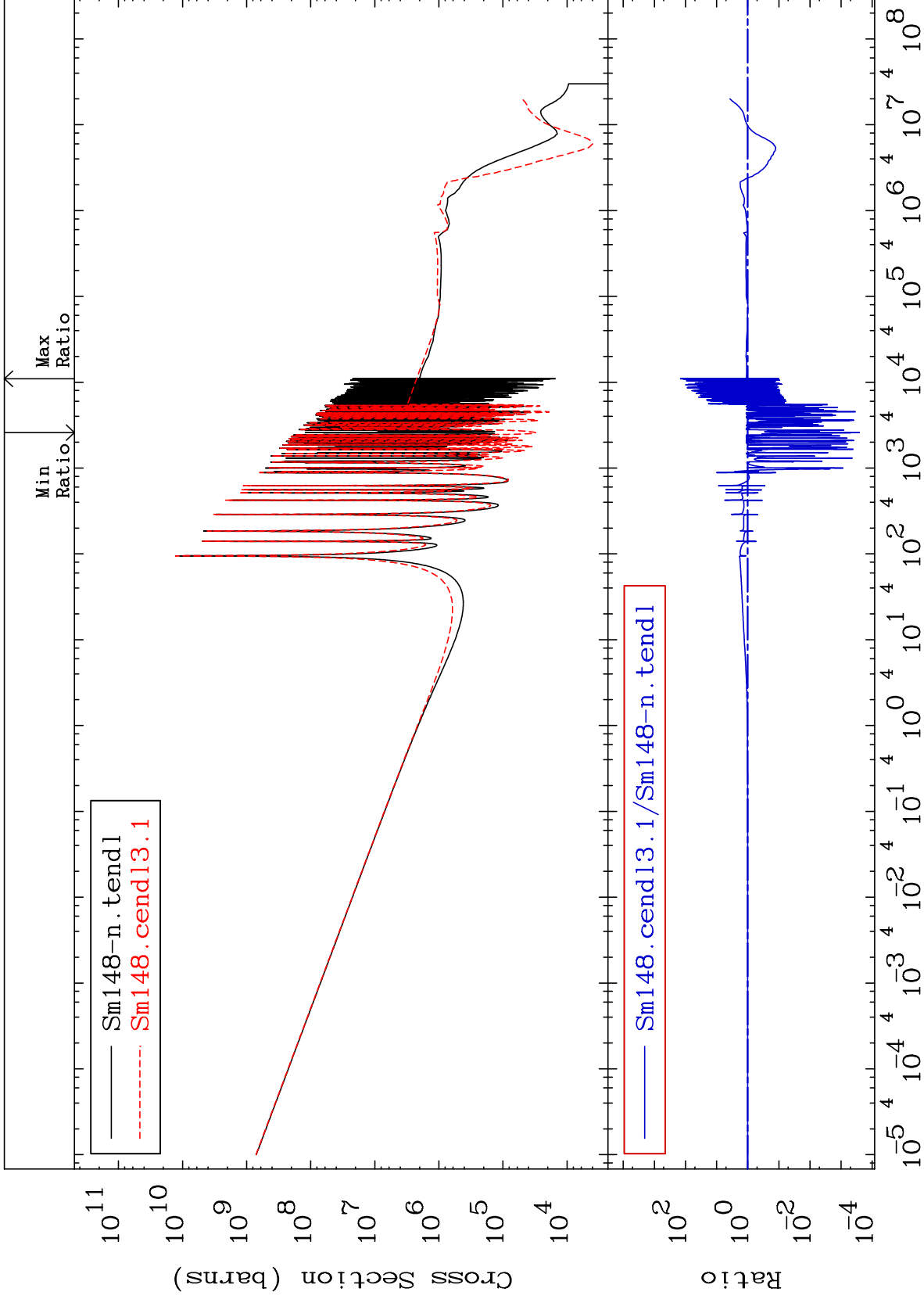
62-Sm-148
-24.76 To 40.83 %



MAT 6237

Kerma capture (mt102)
Cross Section

62-Sm-148
-99.97 To 9999. %



44

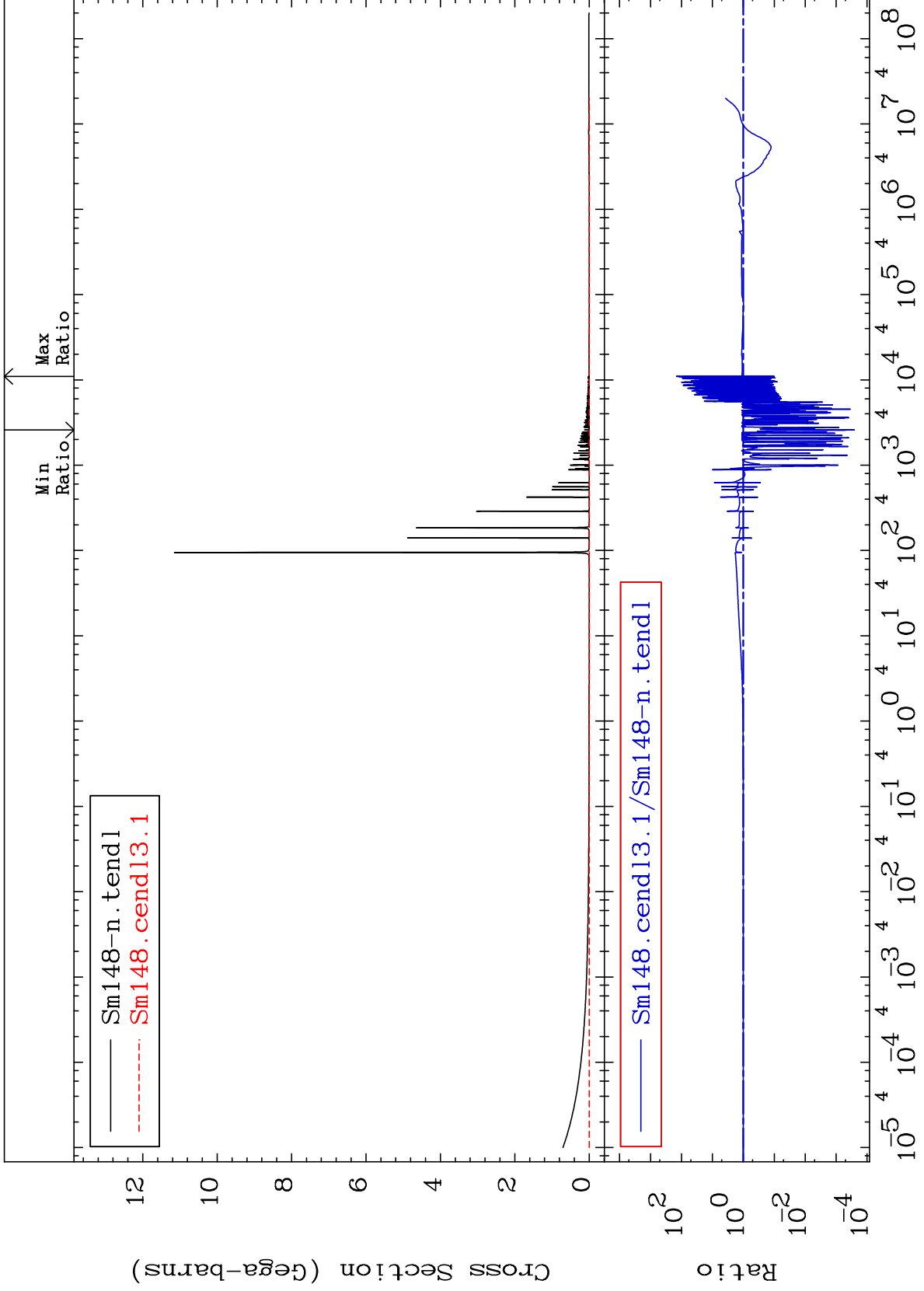
Incident Energy (eV)

62-Sm-148

MAT 6237

Total photon (eV-barns)
Cross Section

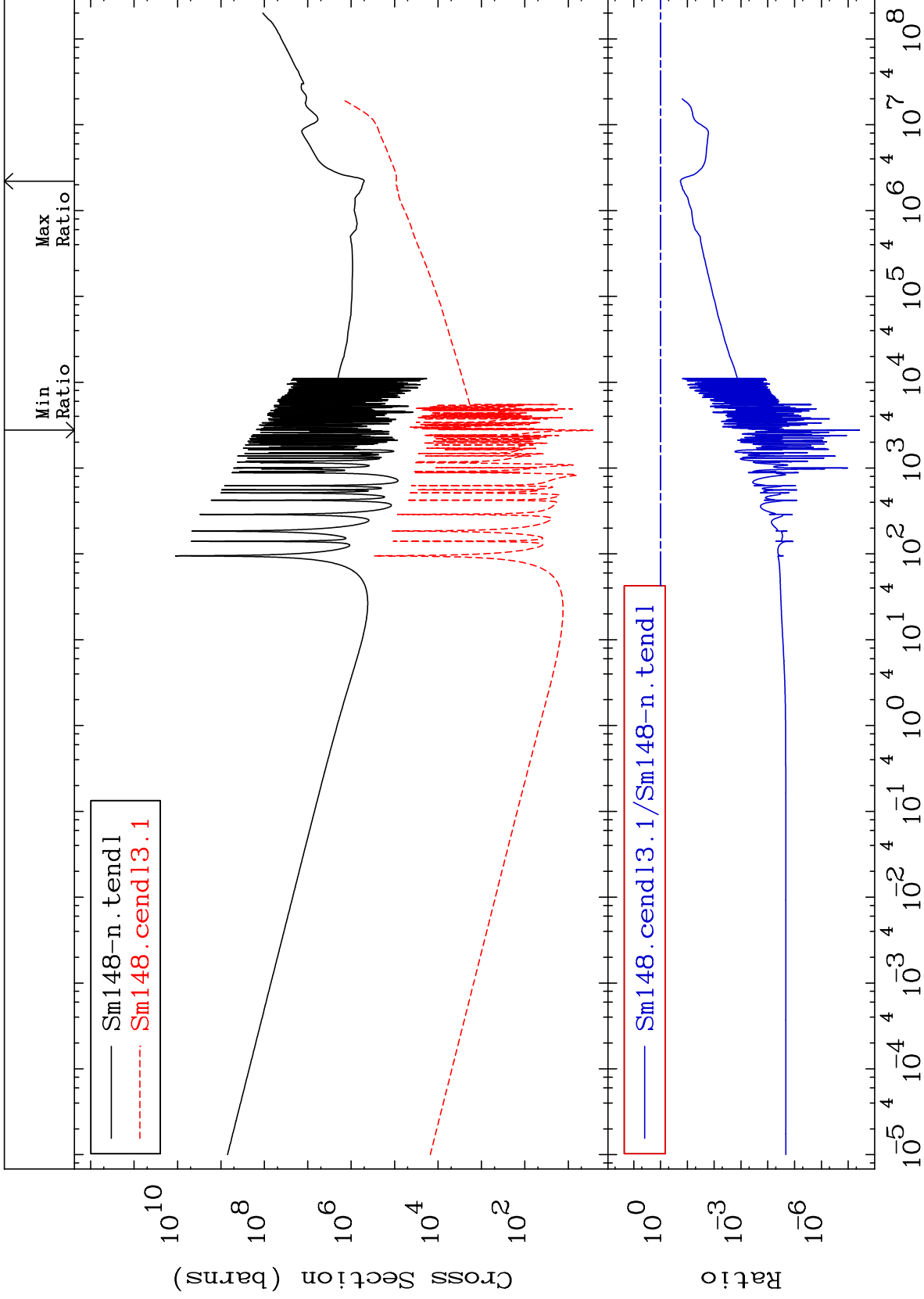
62-Sm-148
-99.97 To 9999. %

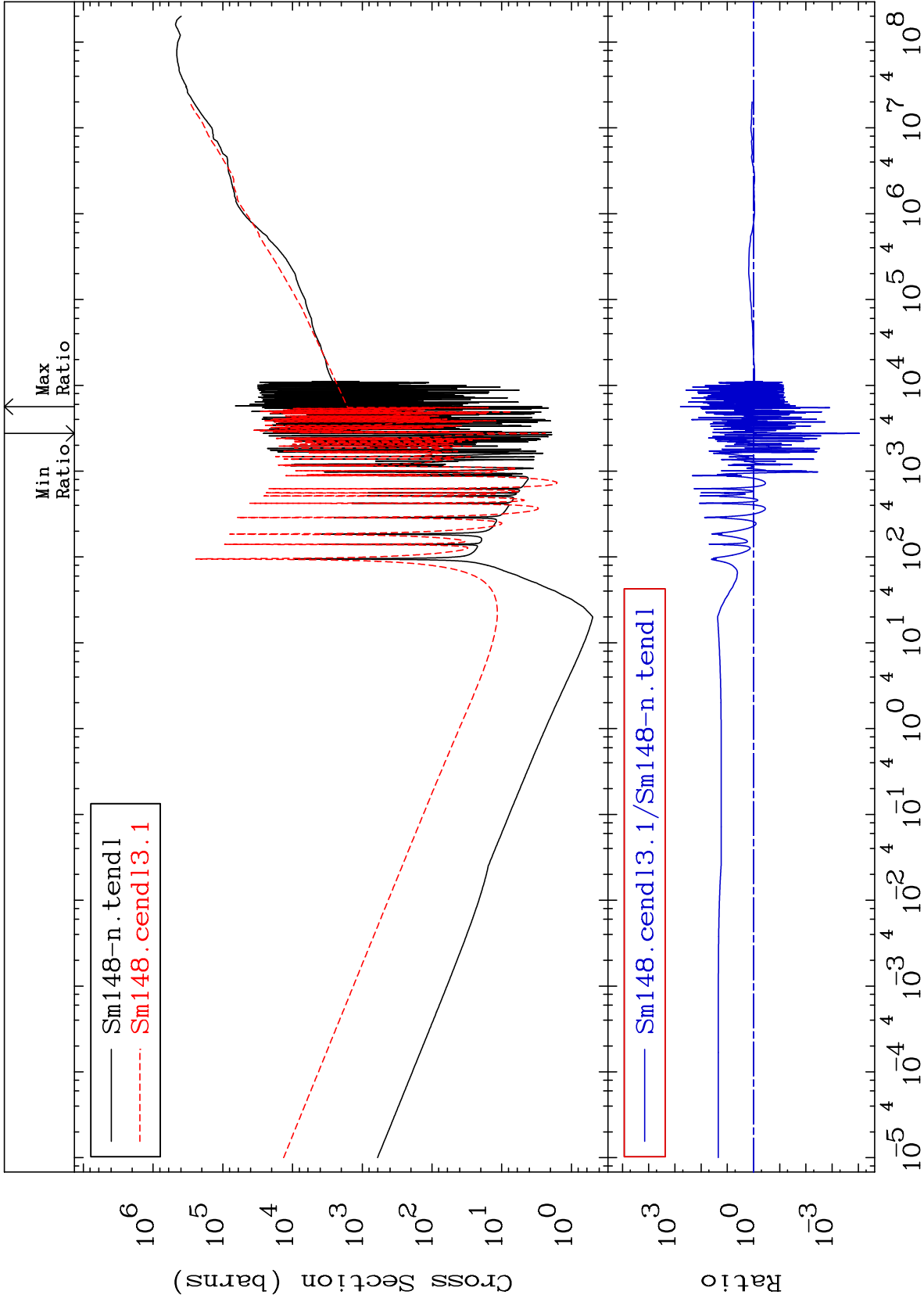


45

Incident Energy (eV)

62-Sm-148

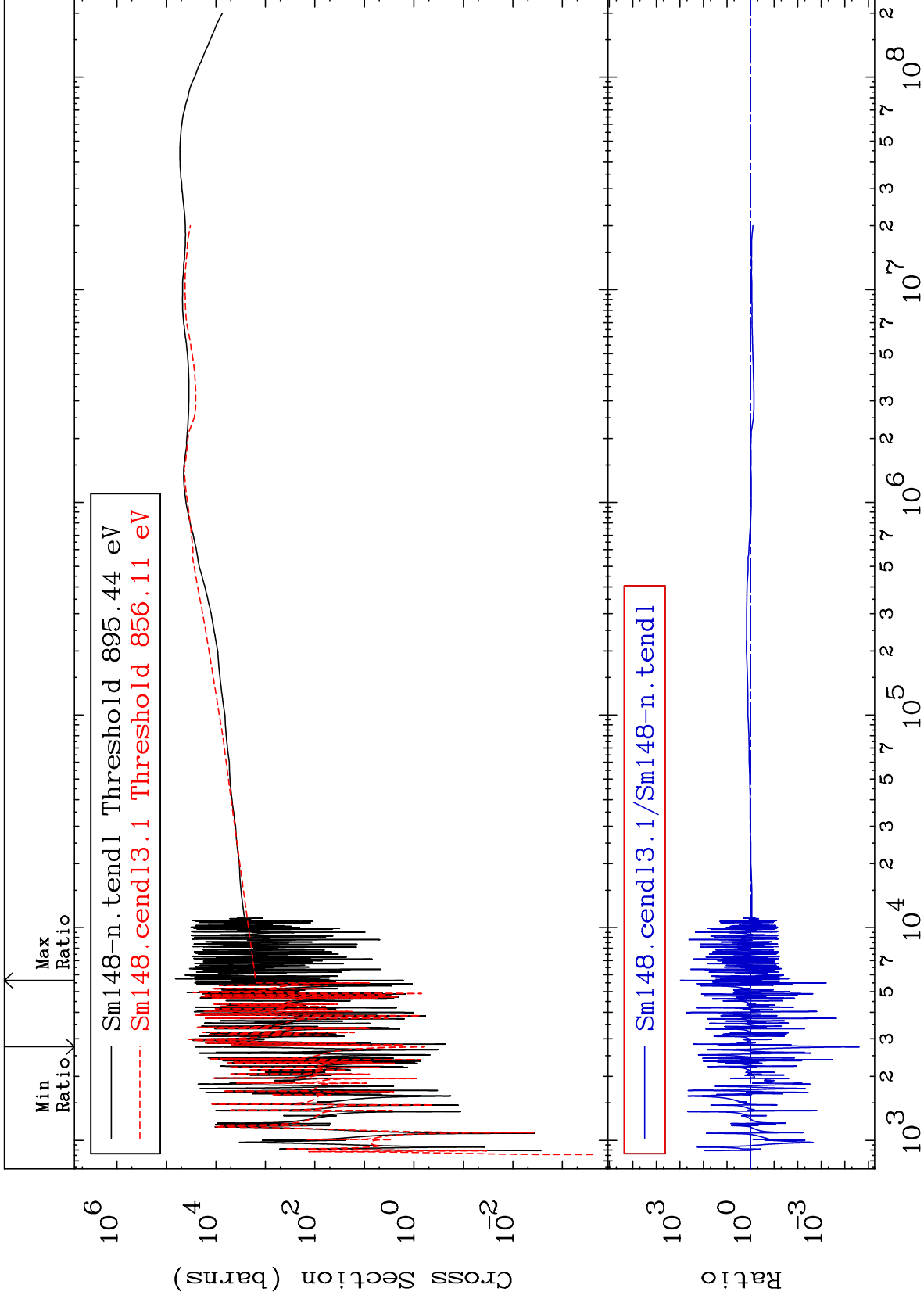




MAT 6237

Dpa elastic (mt2)
Cross Section

62-Sm-148
-100.0 To 9999. %



48

Incident Energy (eV)

62-Sm-148

