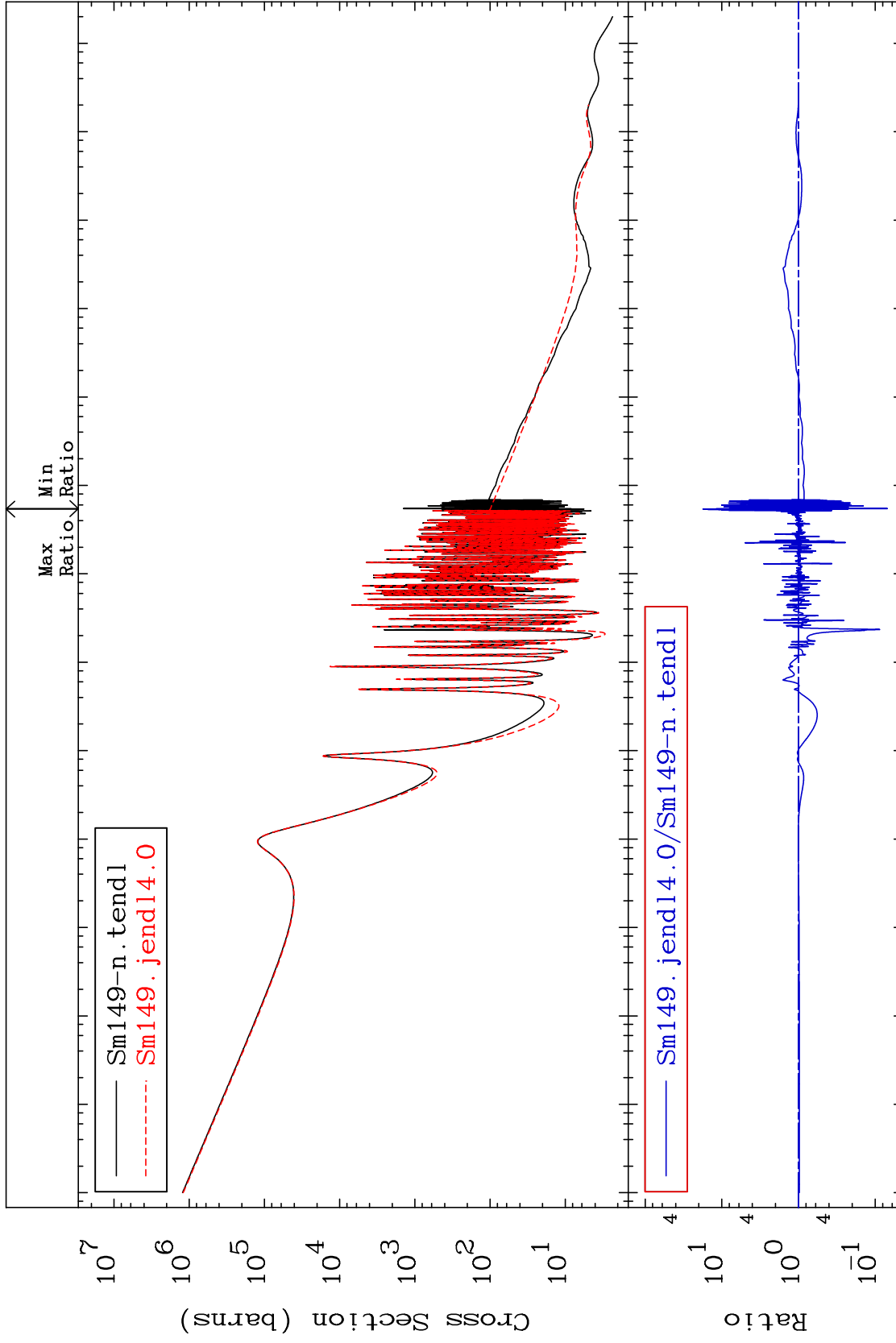


MAT 6240

Total  
Cross Section

62-Sm-149  
-93.07 To 1667. %



Incident Energy (eV)

62-Sm-149

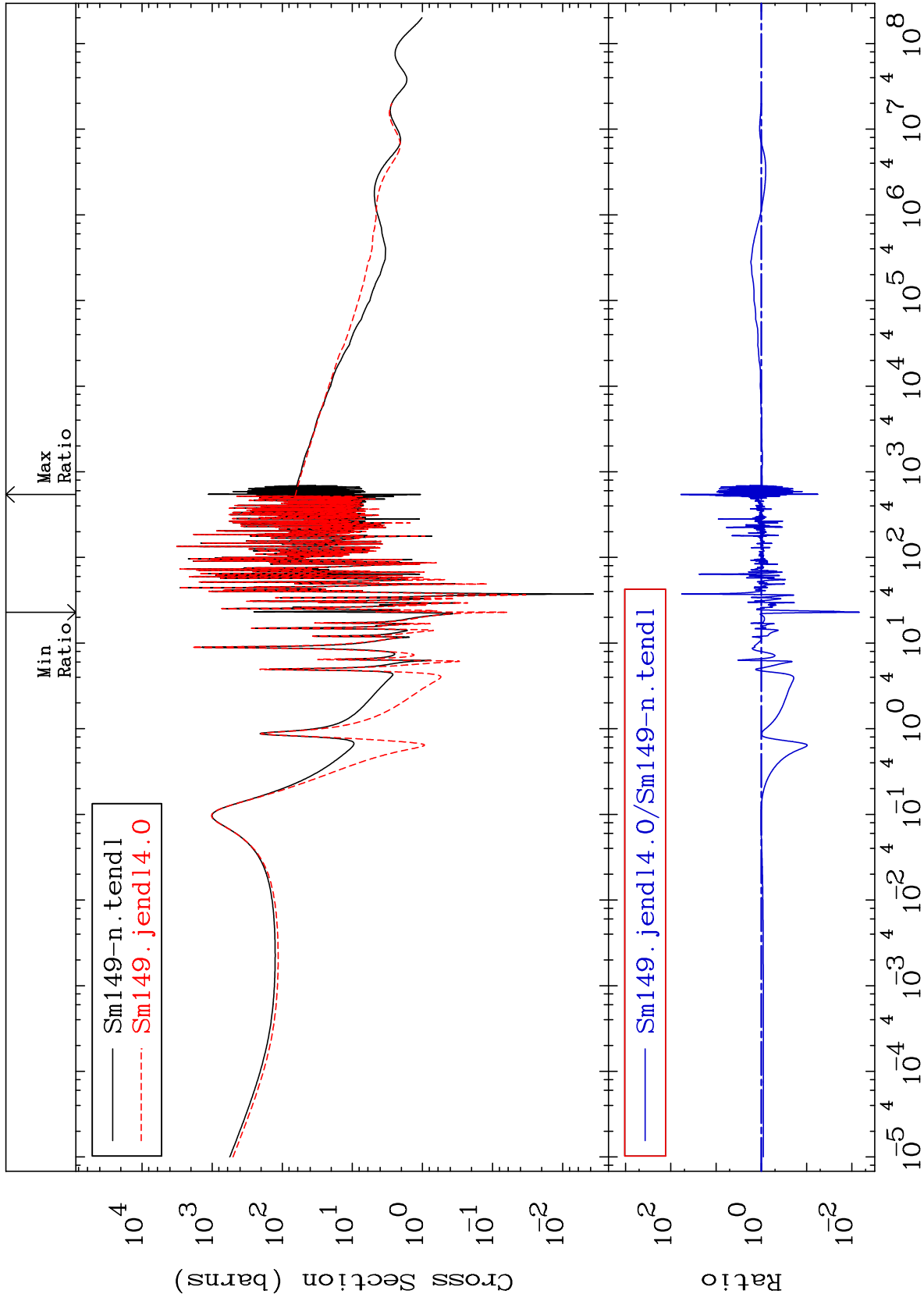
MAT 6240

Elastic

62-Sm-149

Cross Section

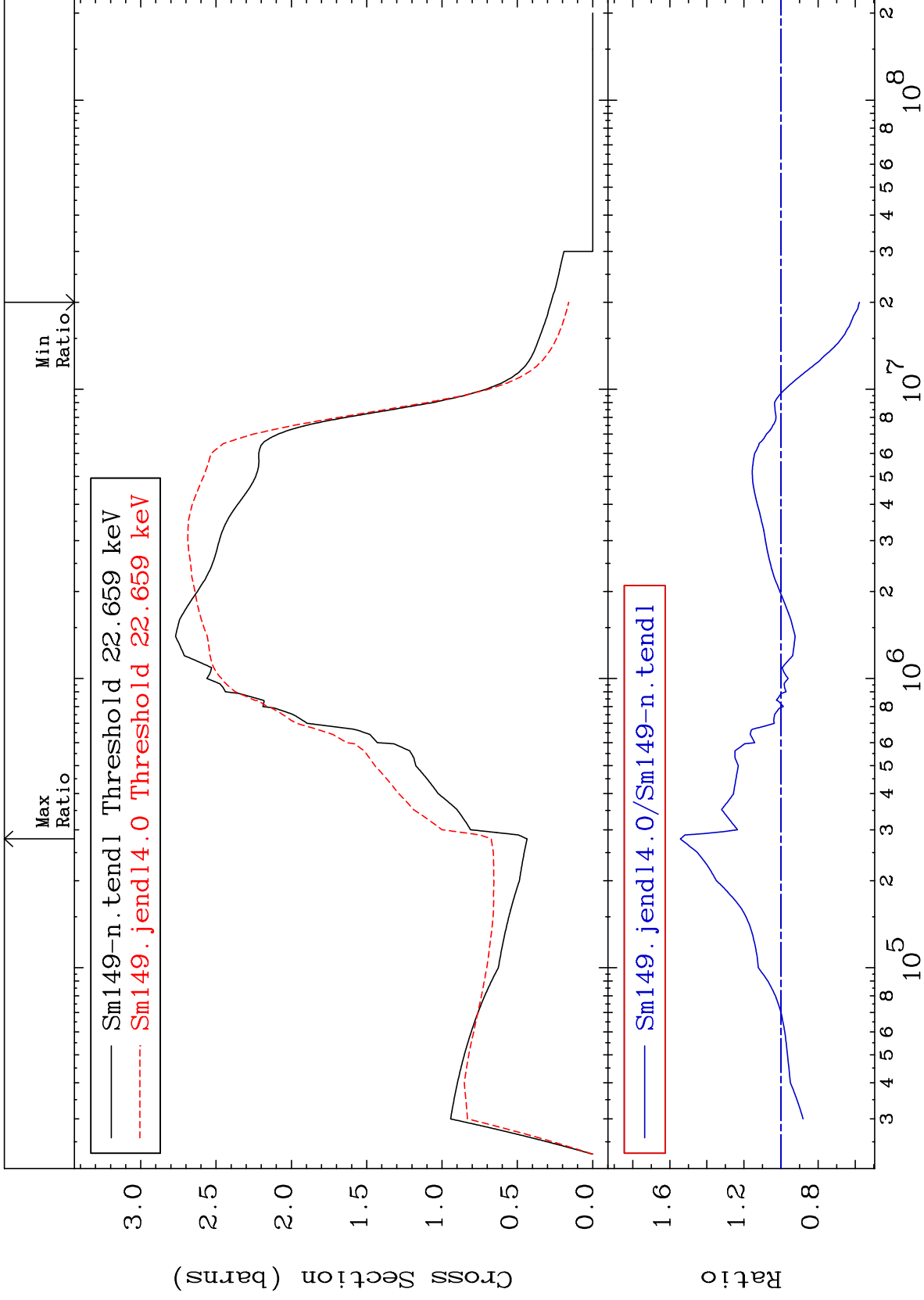
-99.32 To 5910. %



MAT 6240

Inelastic  
Cross Section

62-Sm-149  
-42.28 To 54.32 %



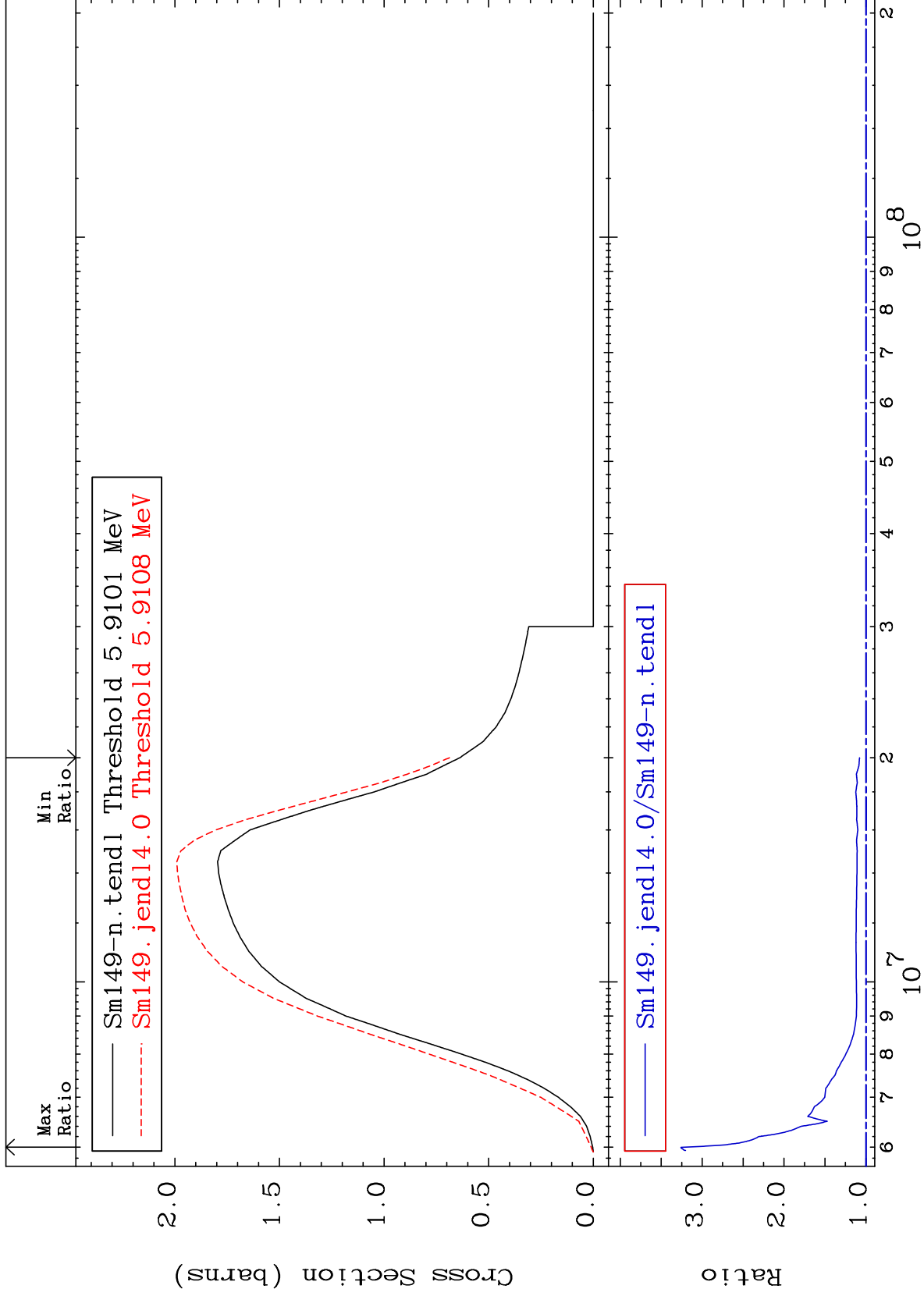
MAT 6240

(n,2n)

62-Sm-149

Cross Section

7.807 To 226.1 %



4

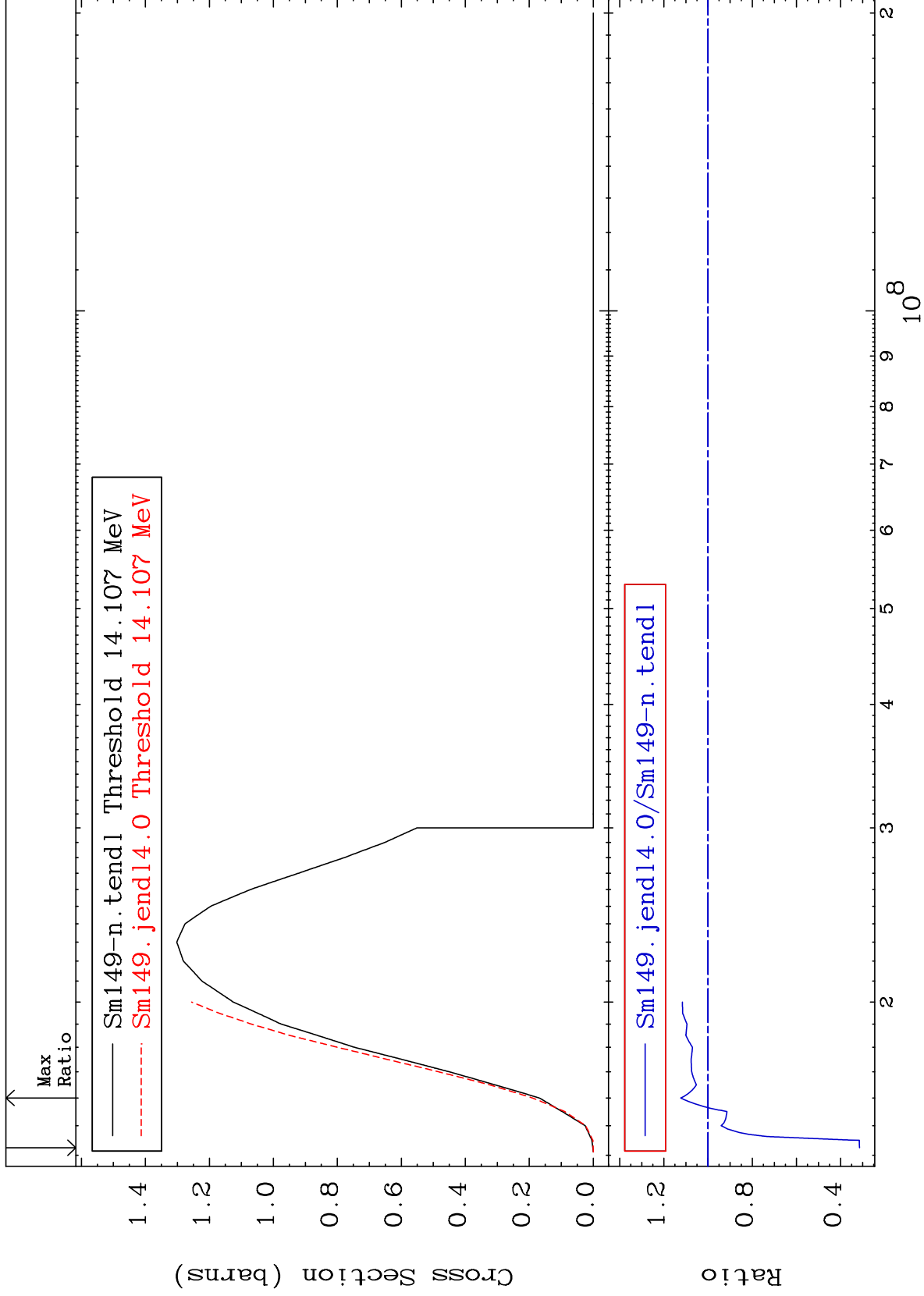
Incident Energy (eV)

62-Sm-149

MAT 6240

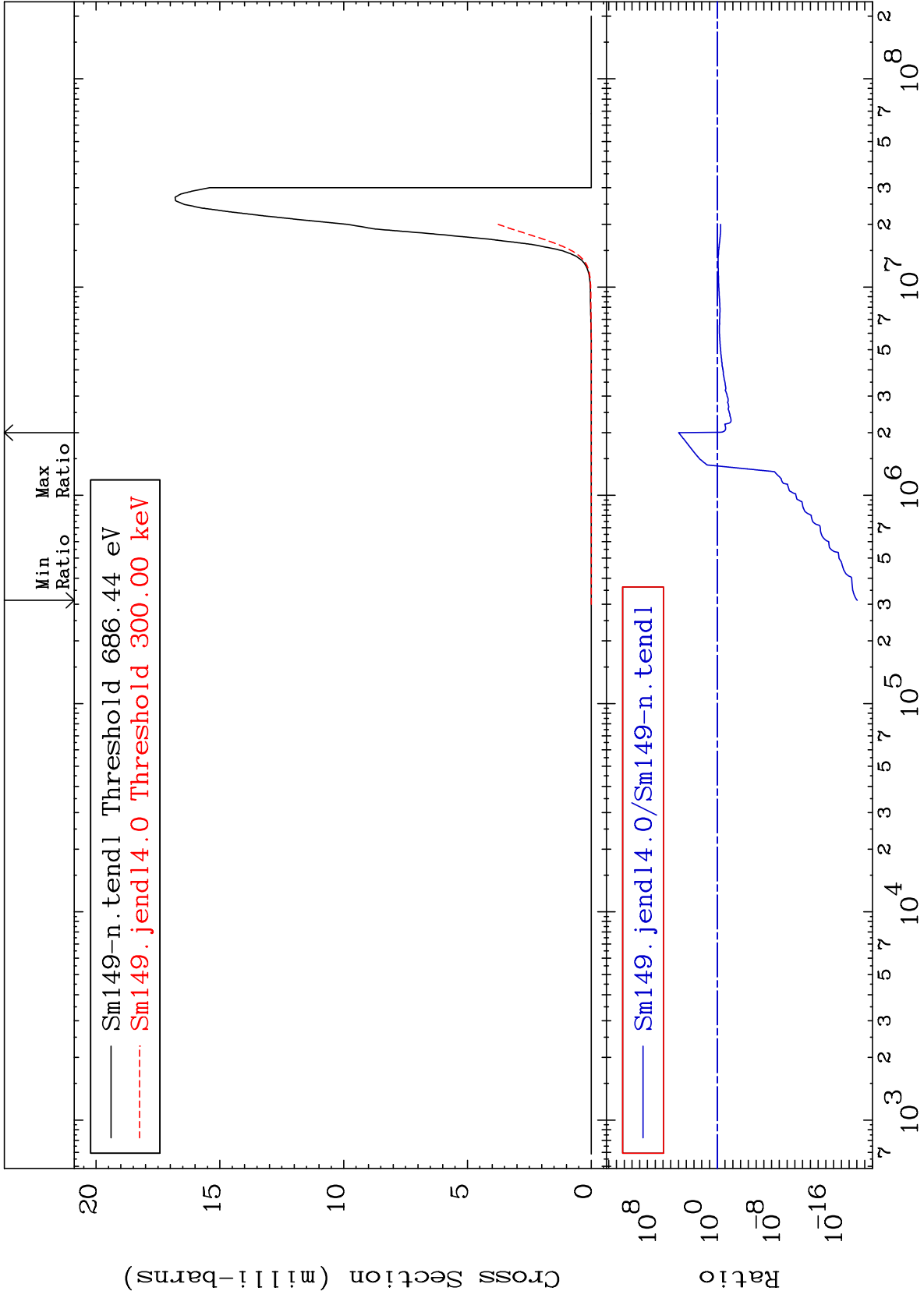
(n,3n)  
Cross Section

62-Sm-149  
-68.56 To 12.35 %



MAT 6240

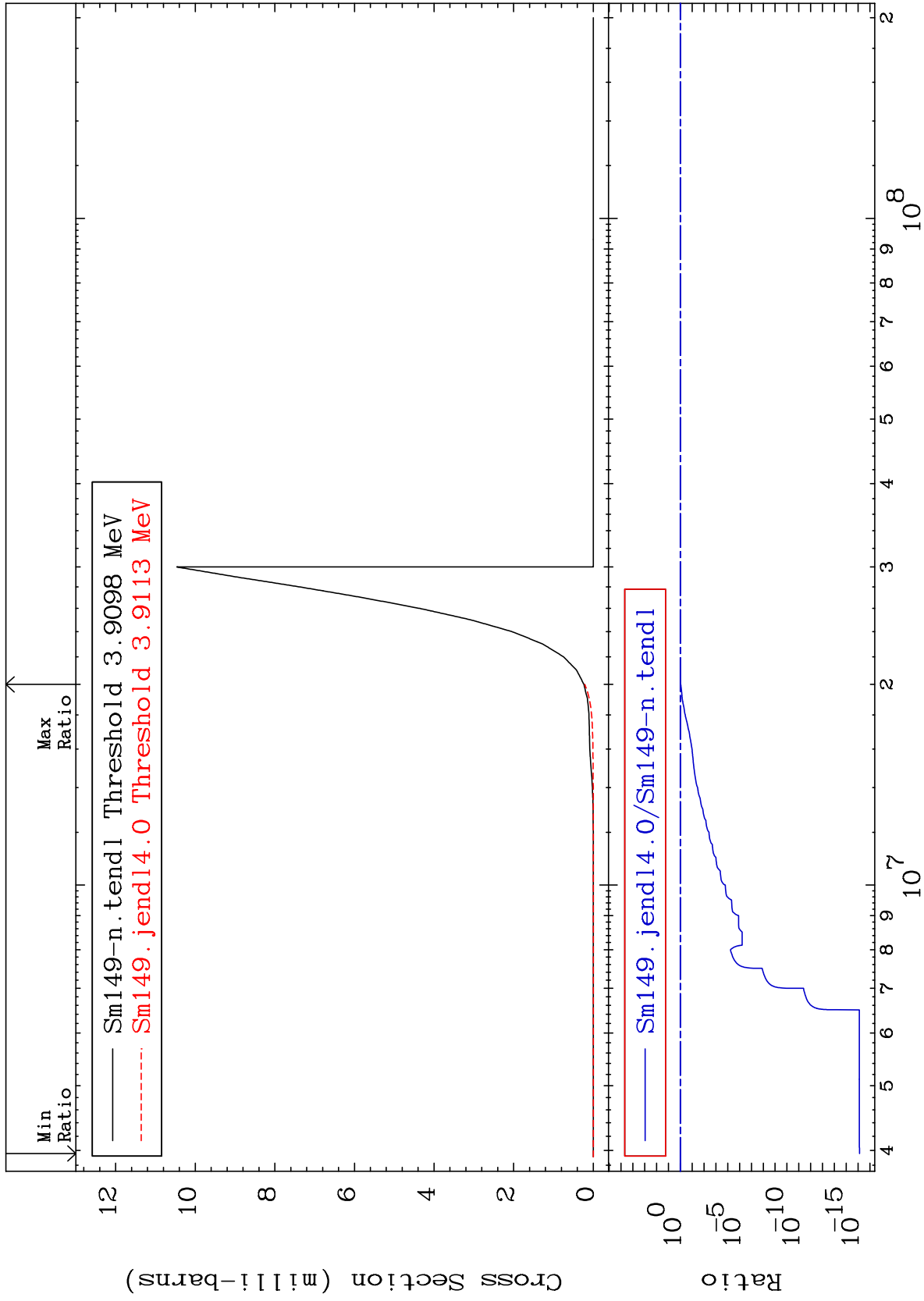
$(n, n') \alpha$   
Cross Section  
62-Sm-149  
-100.0 To 9999. %



MAT 6240

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

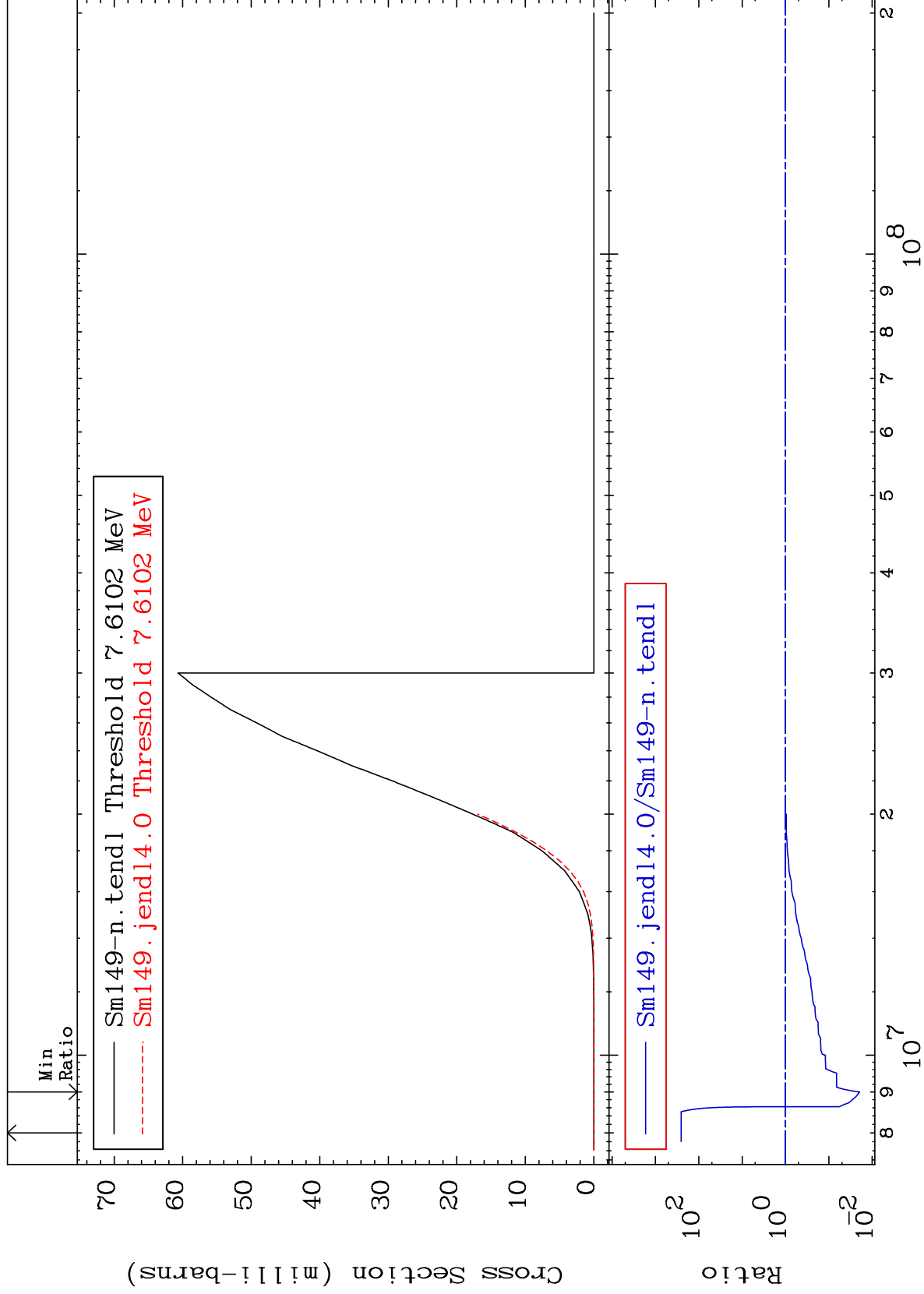
62-Sm-149  
-100.0 To -9.570%



MAT 6240

(n, n') p  
Cross Section

62-Sm-149  
-98.05 To 9999. %



8

Incident Energy (eV)

62-Sm-149



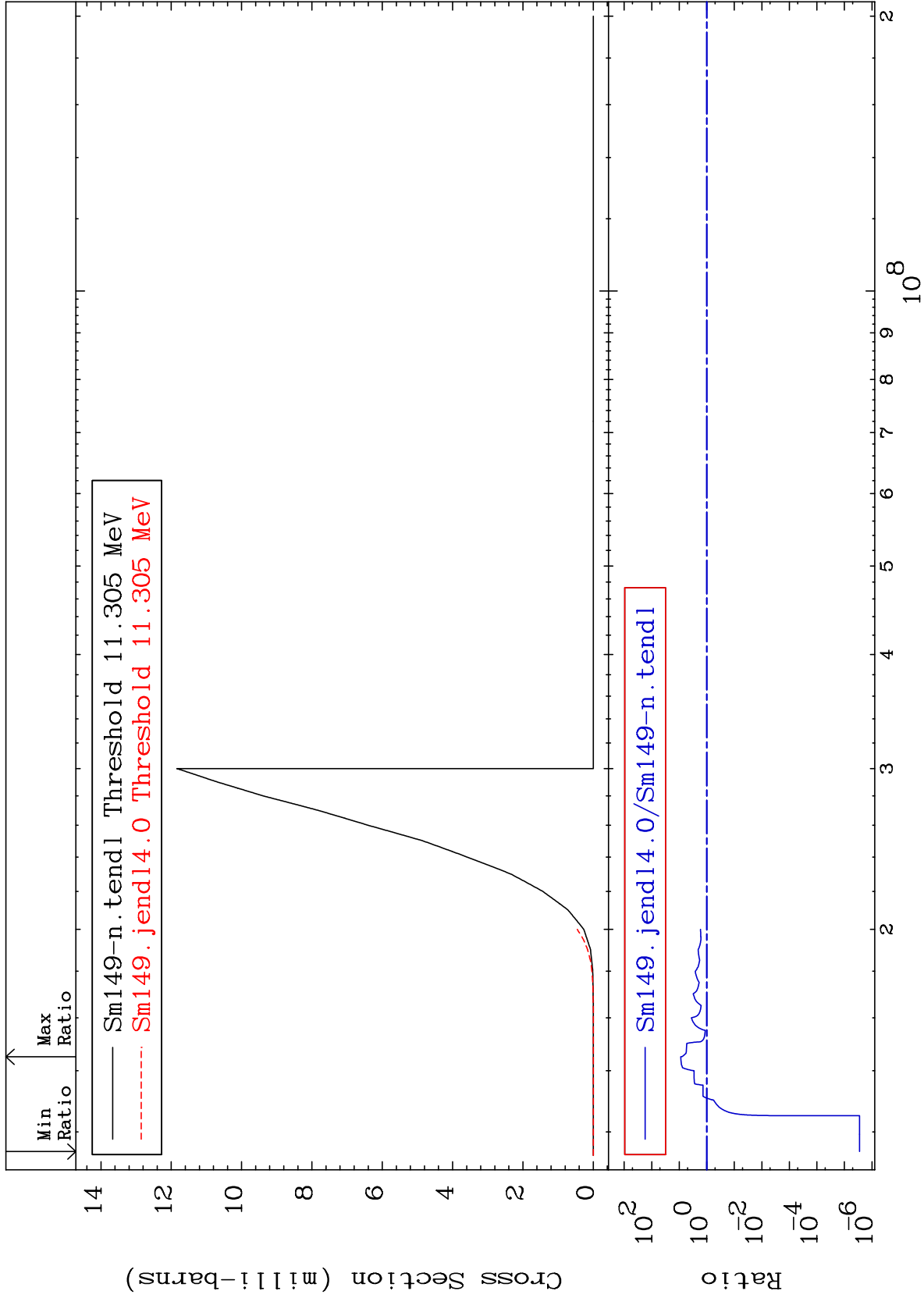
MAT 6240

(n,n') d

62-Sm-149

Cross Section

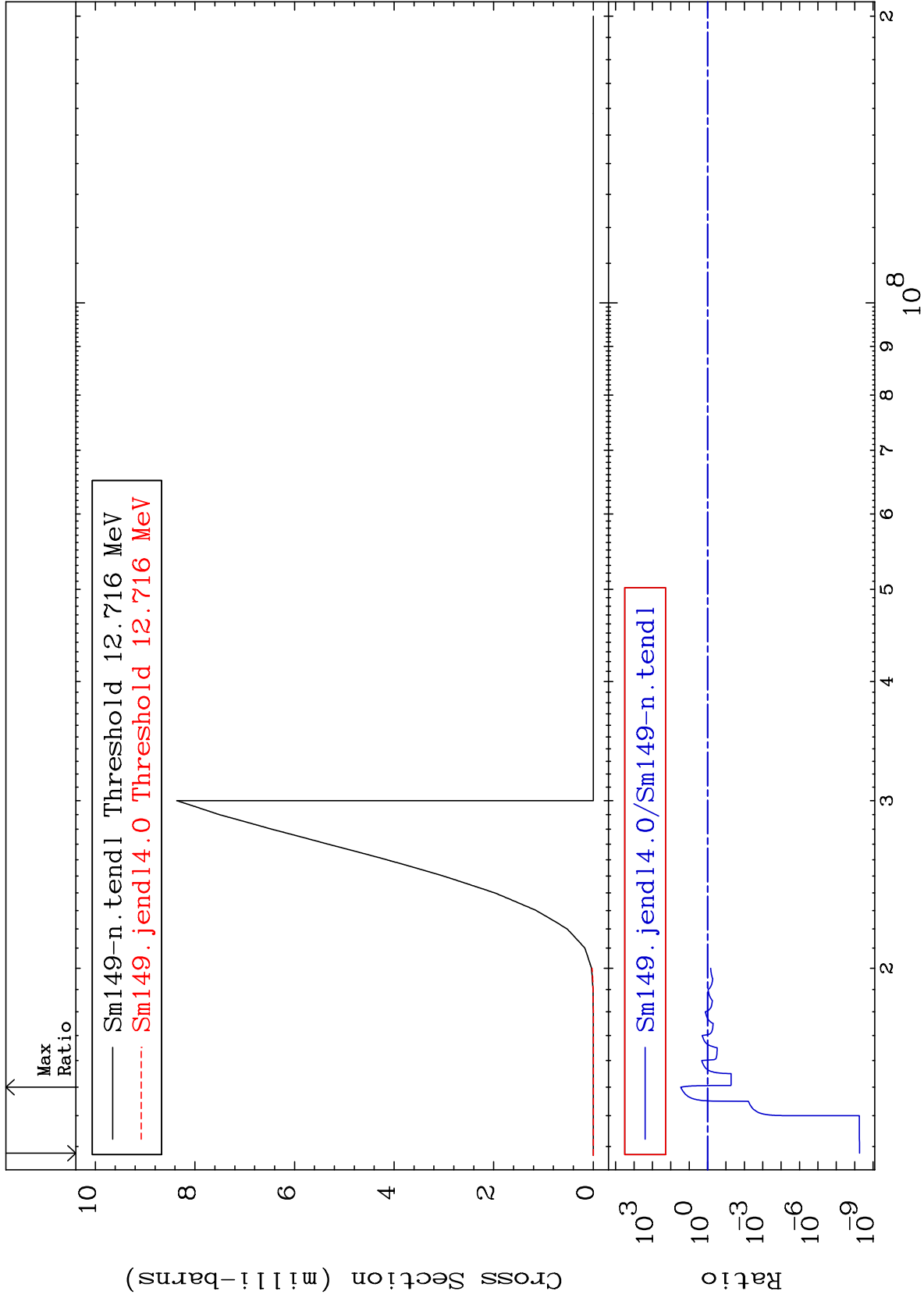
-100.0 To 779.5 %



MAT 6240

(n,n') t  
Cross Section

62-Sm-149  
-100.0 To 2771. %



10

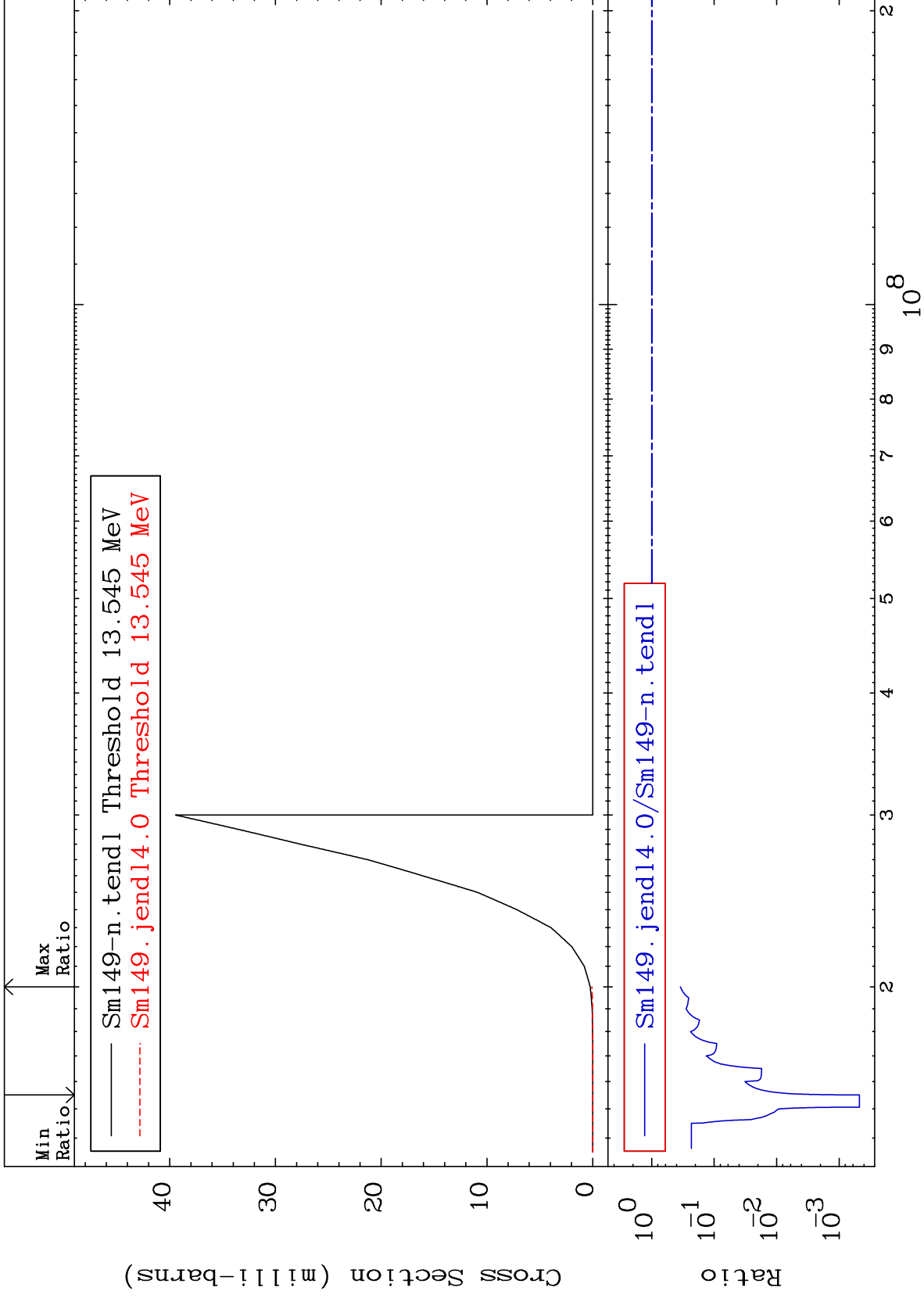
62-Sm-149

62-Sm-149

MAT 6240

(n,2n) p  
Cross Section

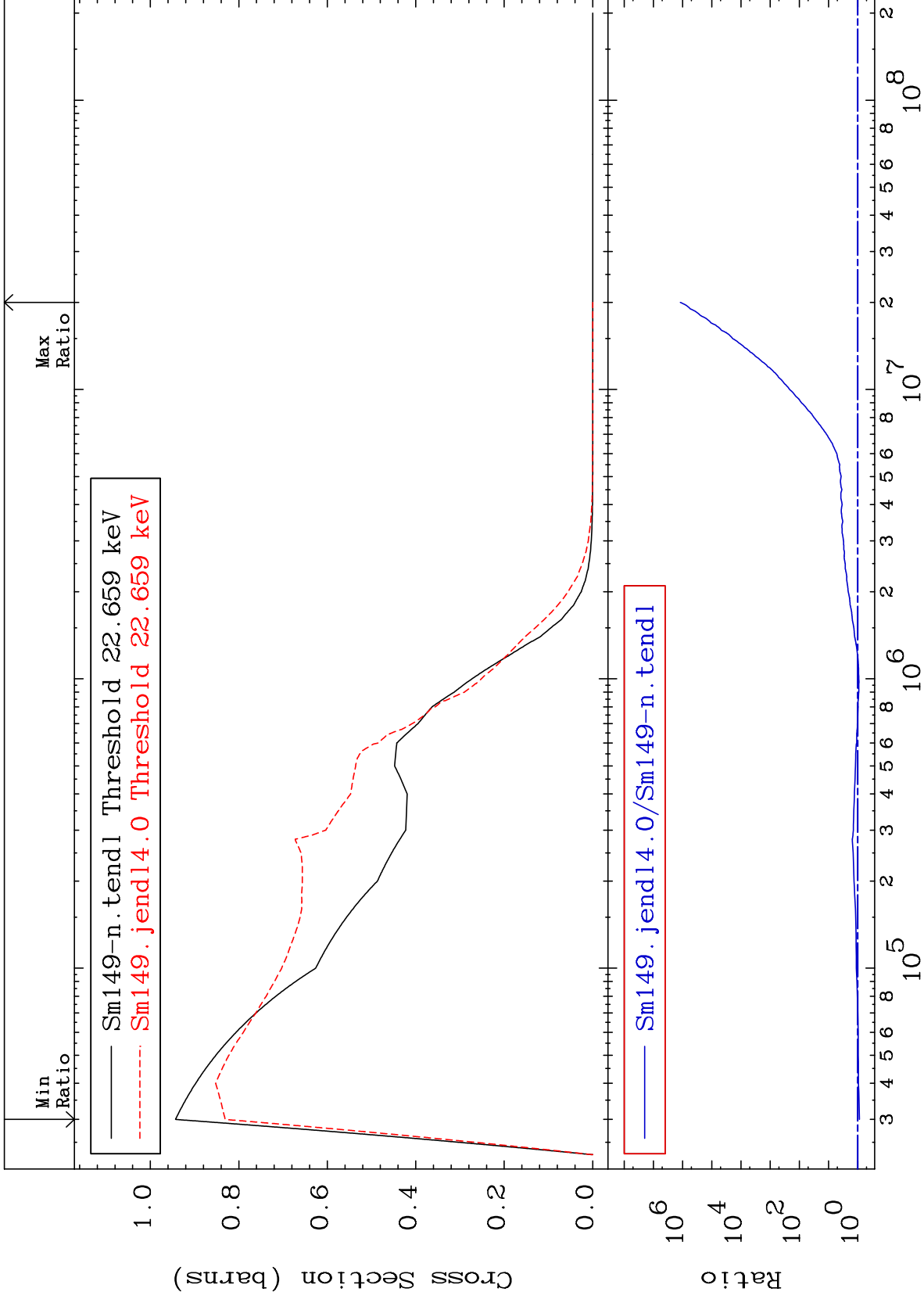
62-Sm-149  
-99.95 To -65.20%



MAT 6240

22.51 keV (n,n') Level  
Cross Section

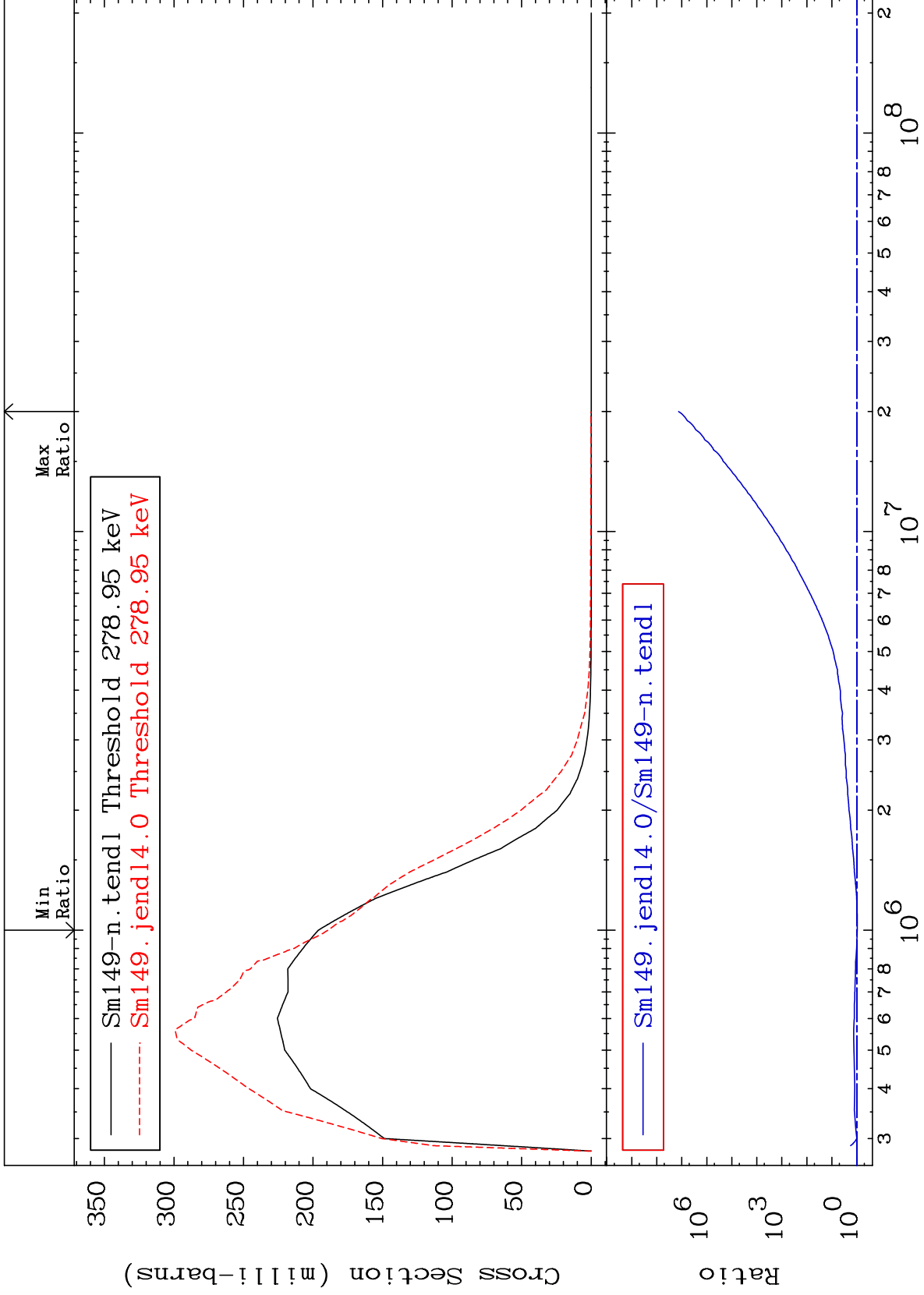
62-Sm-149  
-11.90 To 9999. %



MAT 6240

277.1 keV (n,n') Level  
Cross Section

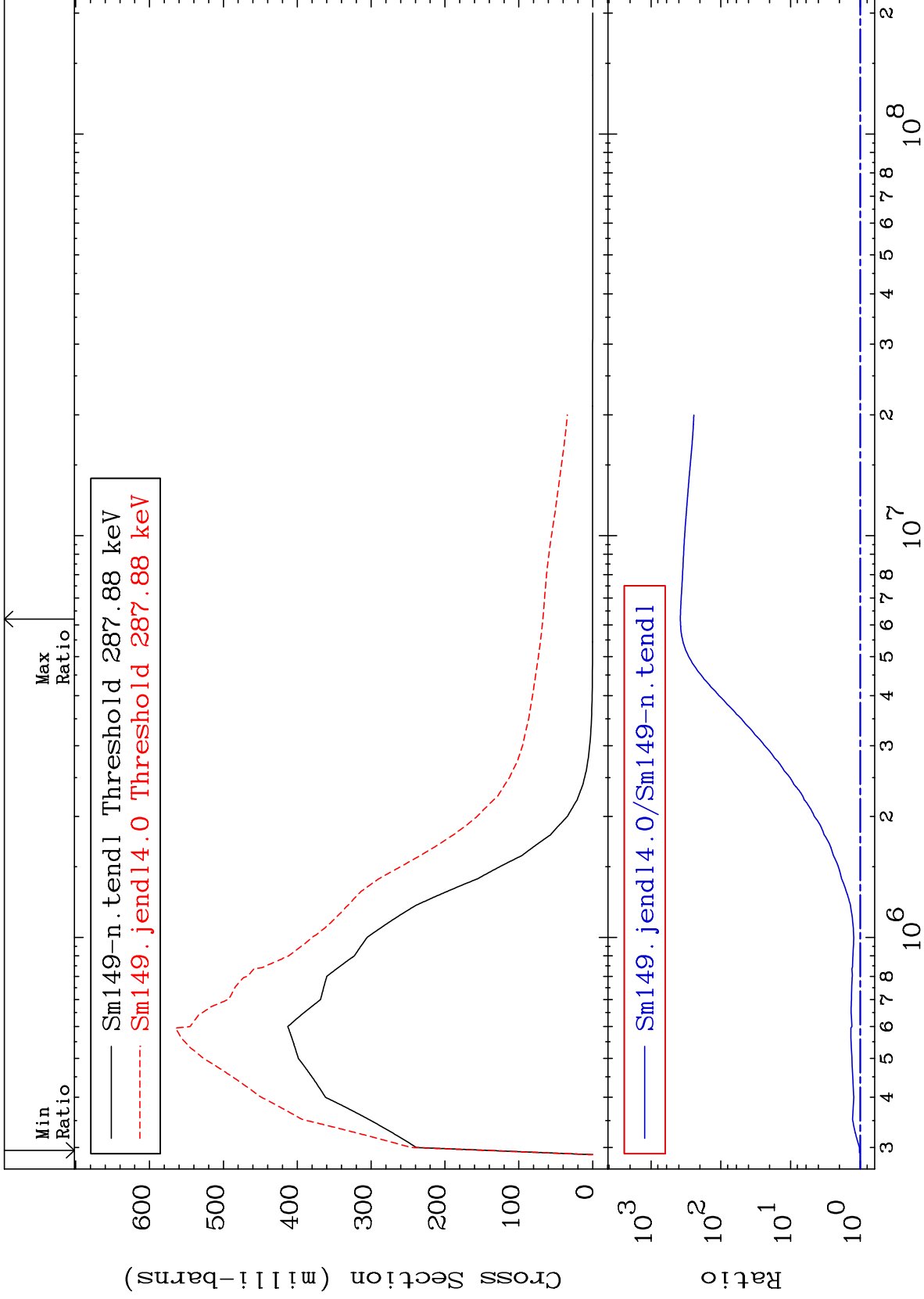
62-Sm-149  
-3.540 To 9999. %



MAT 6240

285.9 keV (n,n') Level  
Cross Section

62-Sm-149  
3.040 To 9999. %



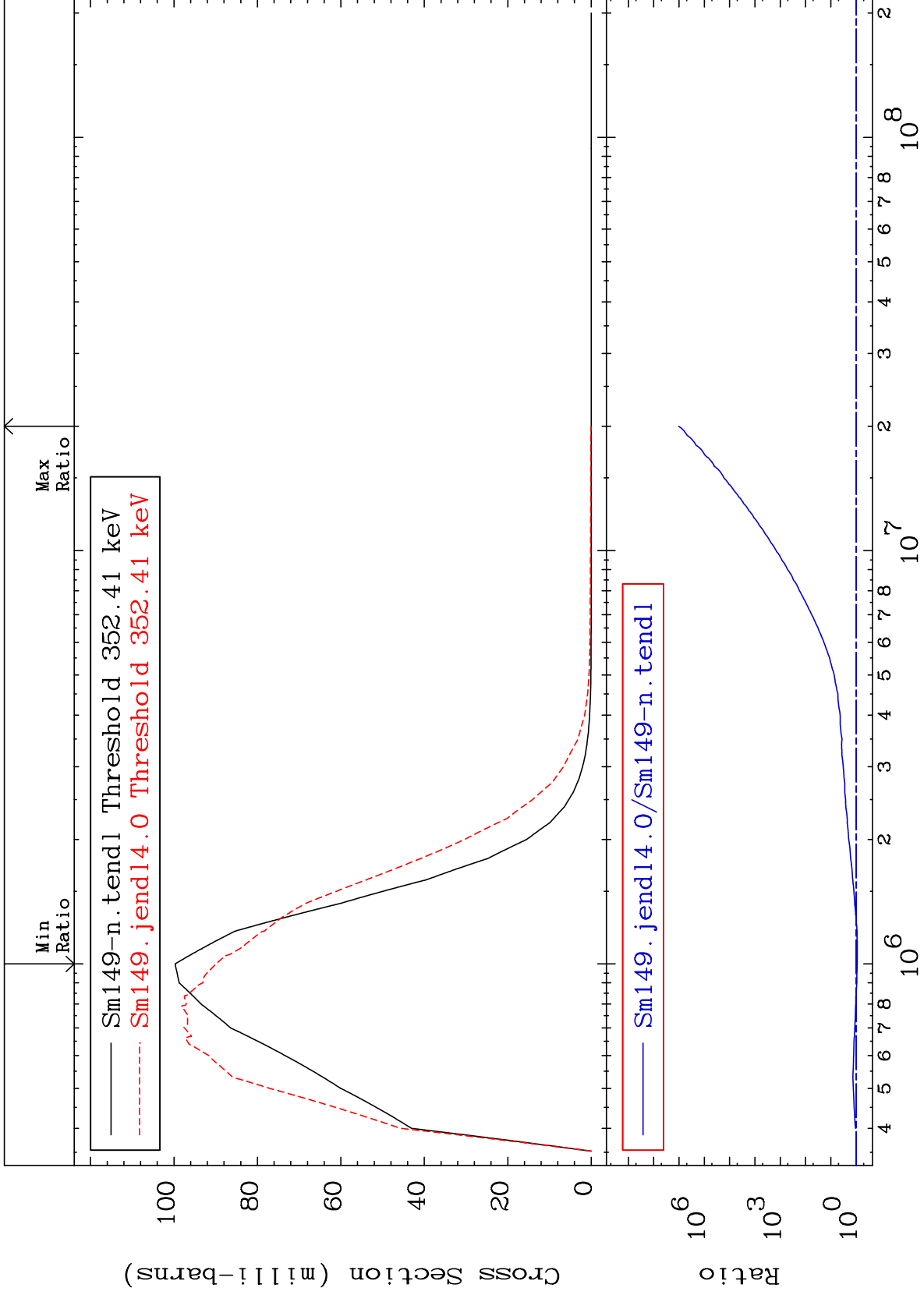
14

62-Sm-149

MAT 6240

350.0 keV (n,n') Level  
Cross Section

62-Sm-149  
-9.848 To 9999. %



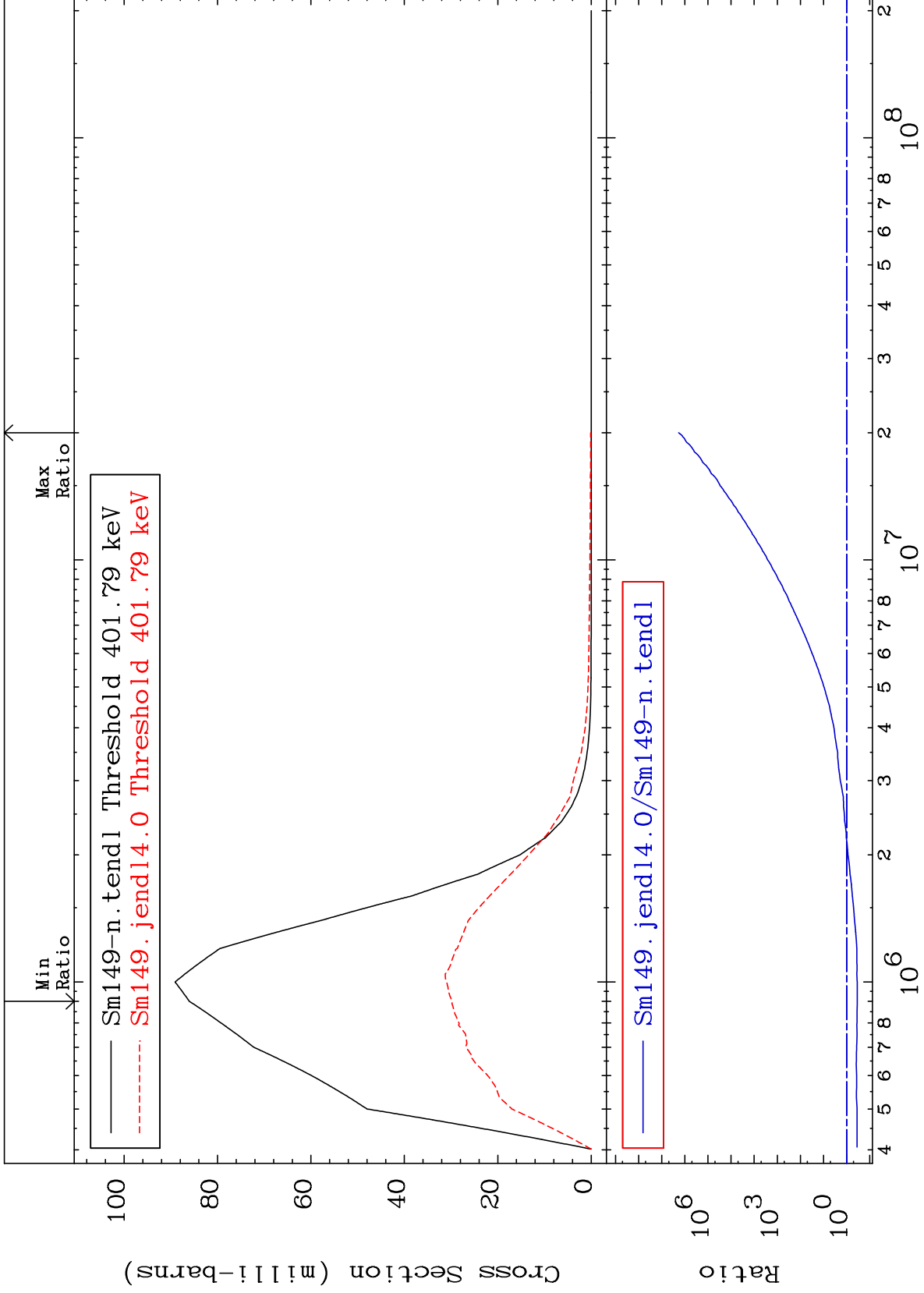
15

62-Sm-149

MAT 6240

399.1 keV (n,n') Level  
Cross Section

62-Sm-149  
-65.38 To 9999. %



16

Incident Energy (eV)

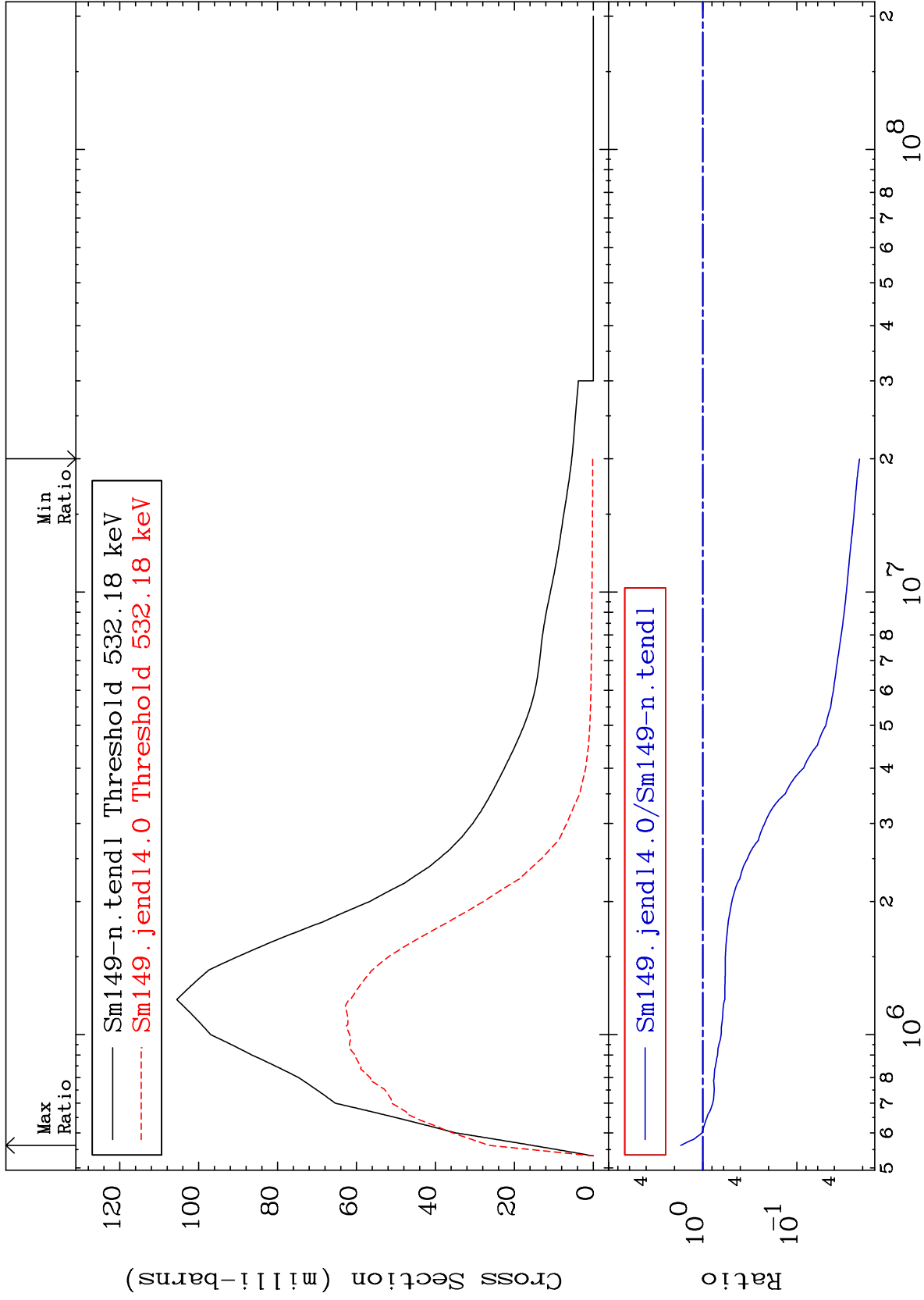
62-Sm-149



MAT 6240

528.6 keV (n,n') Level  
Cross Section

62-Sm-149  
-97.84 To 71.21 %



17

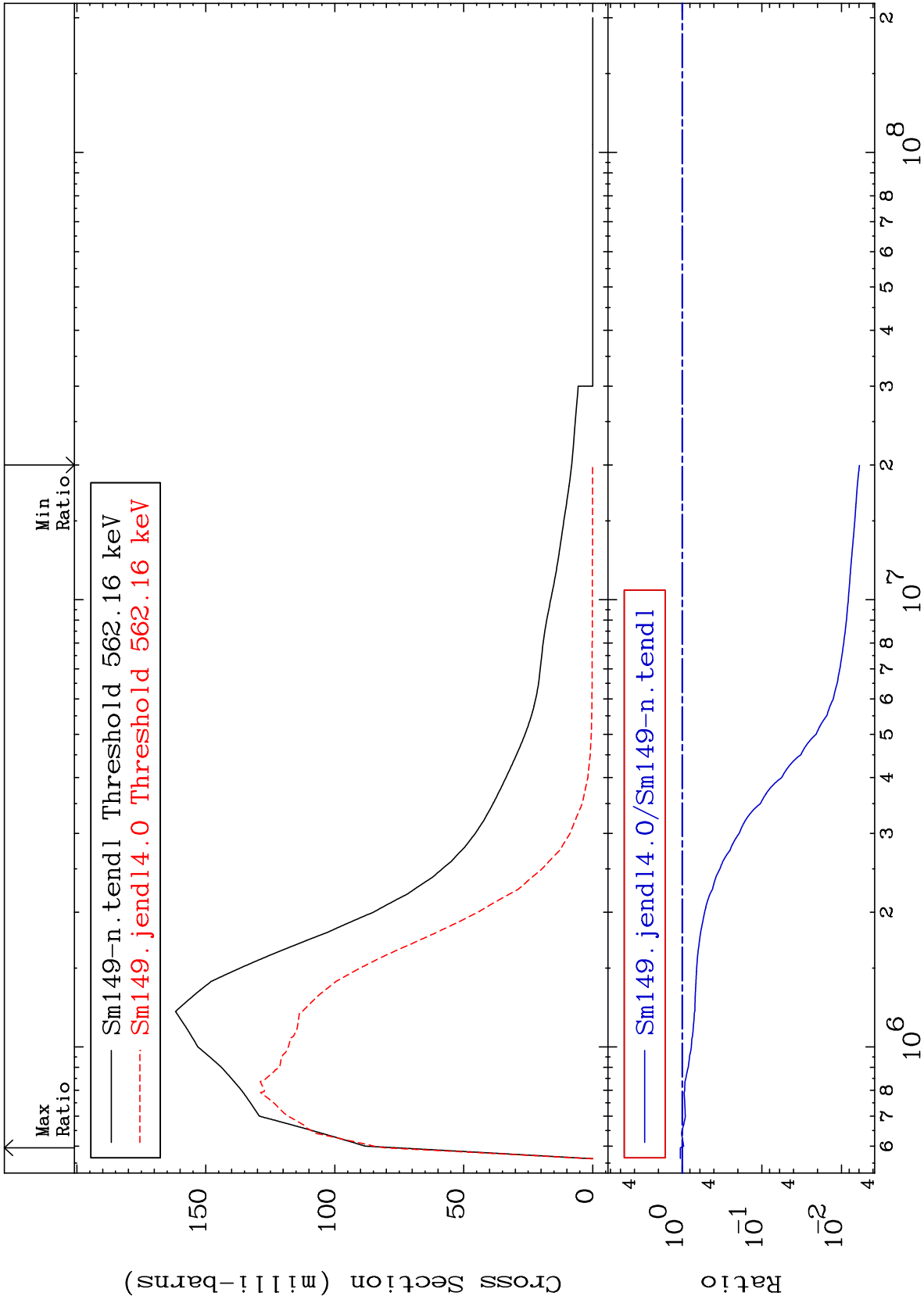
Incident Energy (eV)

62-Sm-149

MAT 6240

558.4 keV (n,n') Level  
Cross Section

62-Sm-149  
-99.41 To 5.710 %



18

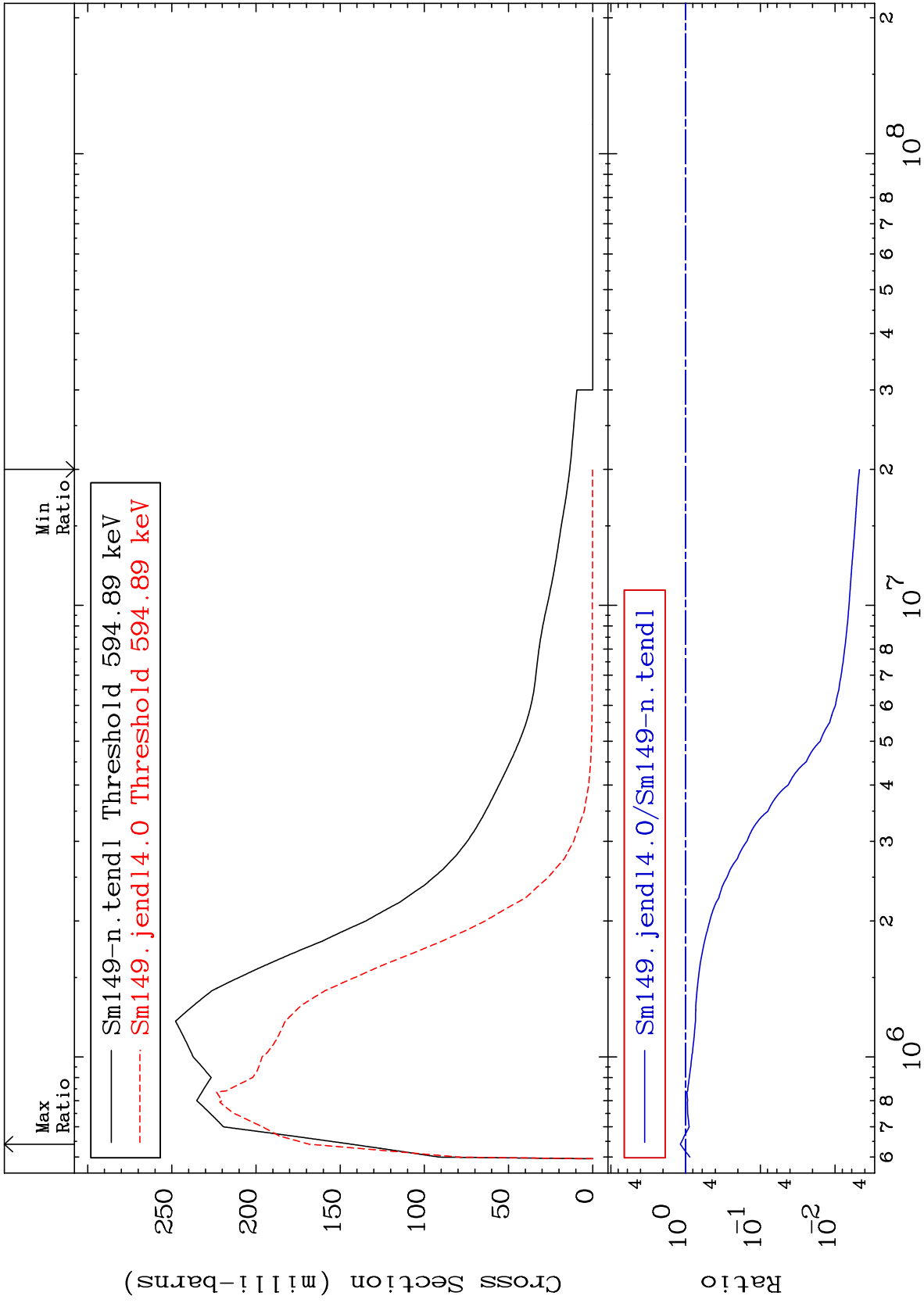
Incident Energy (eV)

62-Sm-149

MAT 6240

590.9 keV (n,n') Level  
Cross Section

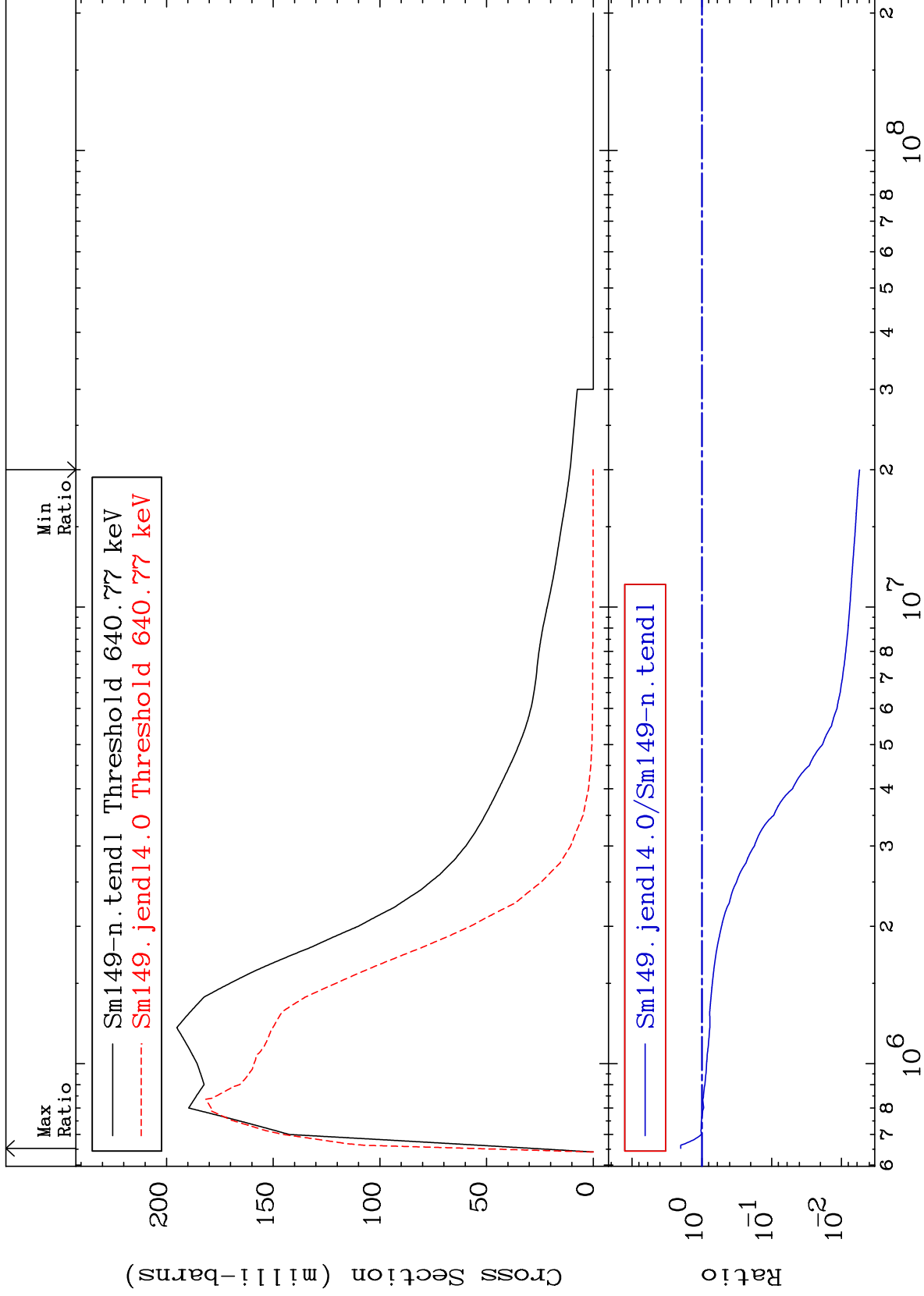
62-Sm-149  
-99.53 To 17.43 %



MAT 6240

636.5 keV (n,n') Level  
Cross Section

62-Sm-149  
-99.45 To 100.8 %



20

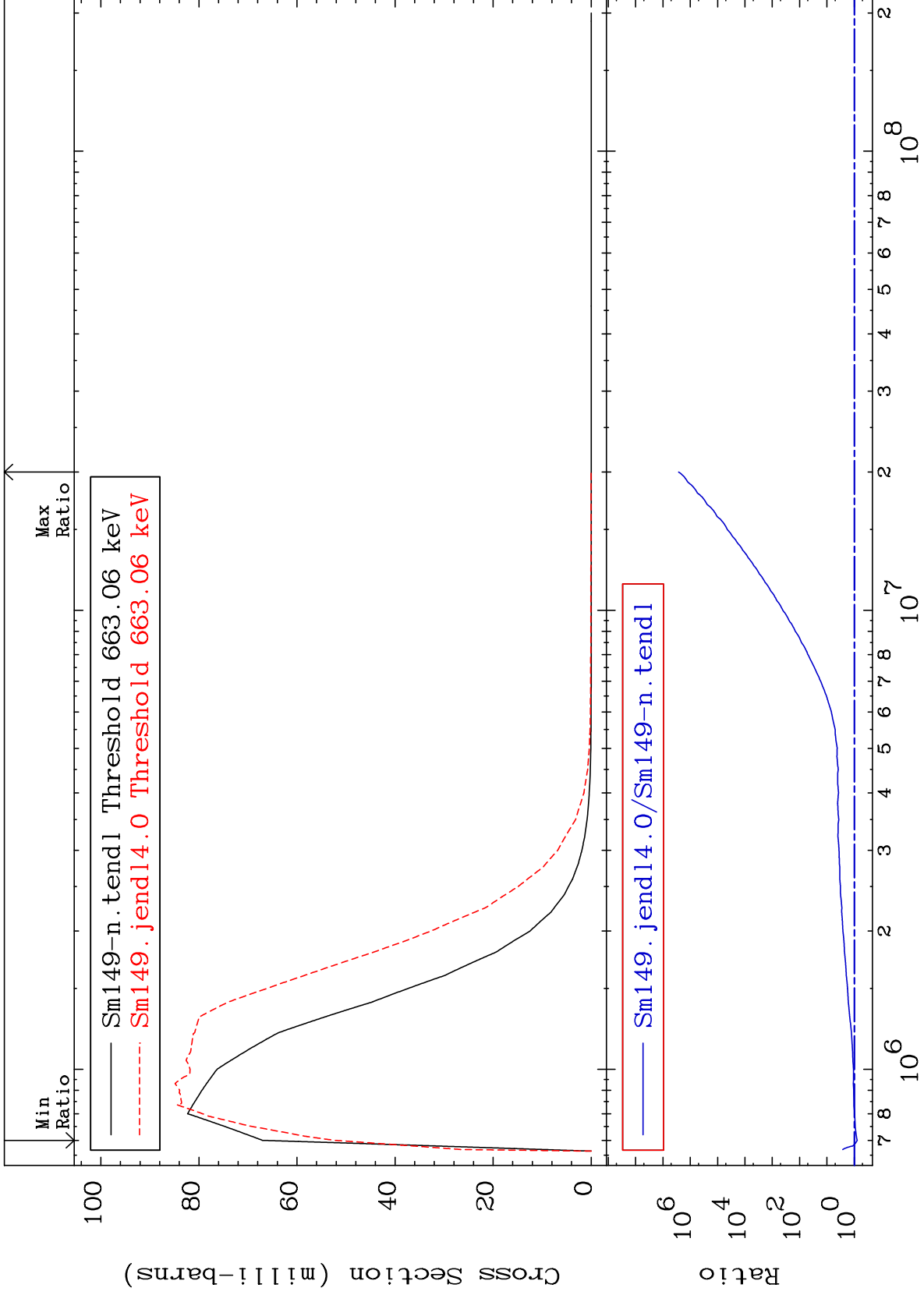
Incident Energy (eV)

62-Sm-149

MAT 6240

658.6 keV (n,n') Level  
Cross Section

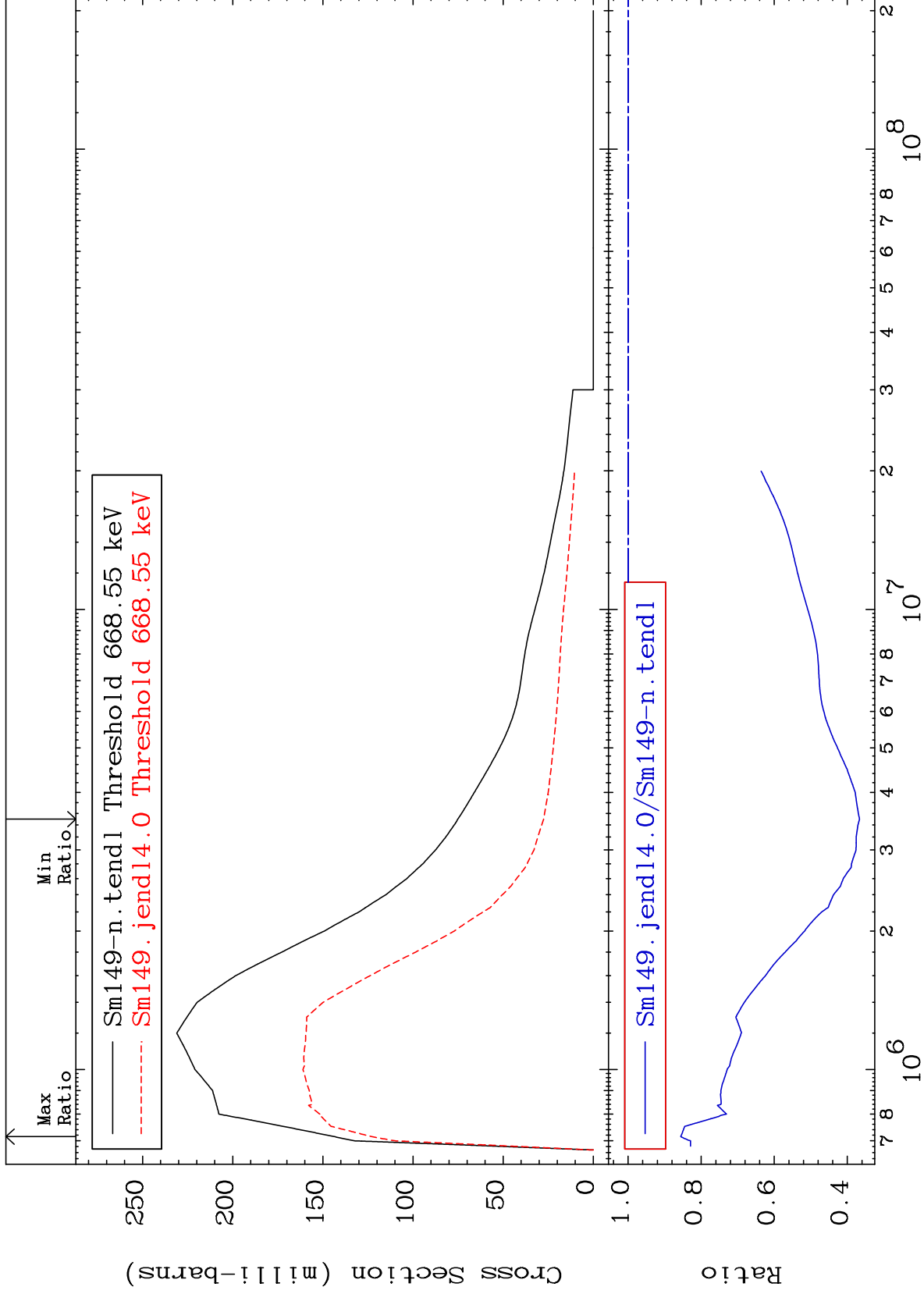
62-Sm-149  
-22.05 To 9999. %



MAT 6240

664.1 keV (n,n') Level  
Cross Section

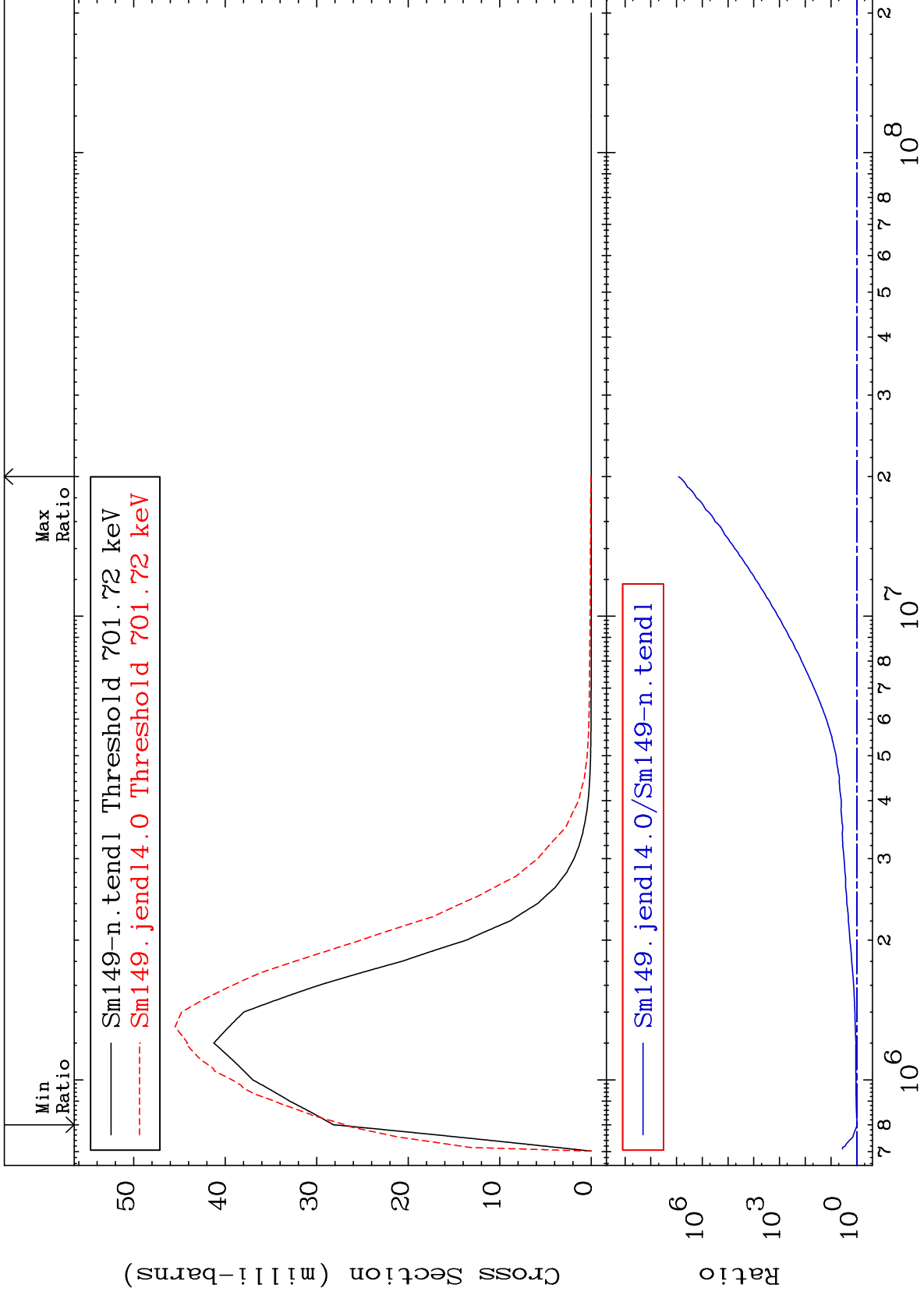
62-Sm-149  
-63.34 To -14.41%



MAT 6240

697.0 keV (n,n') Level  
Cross Section

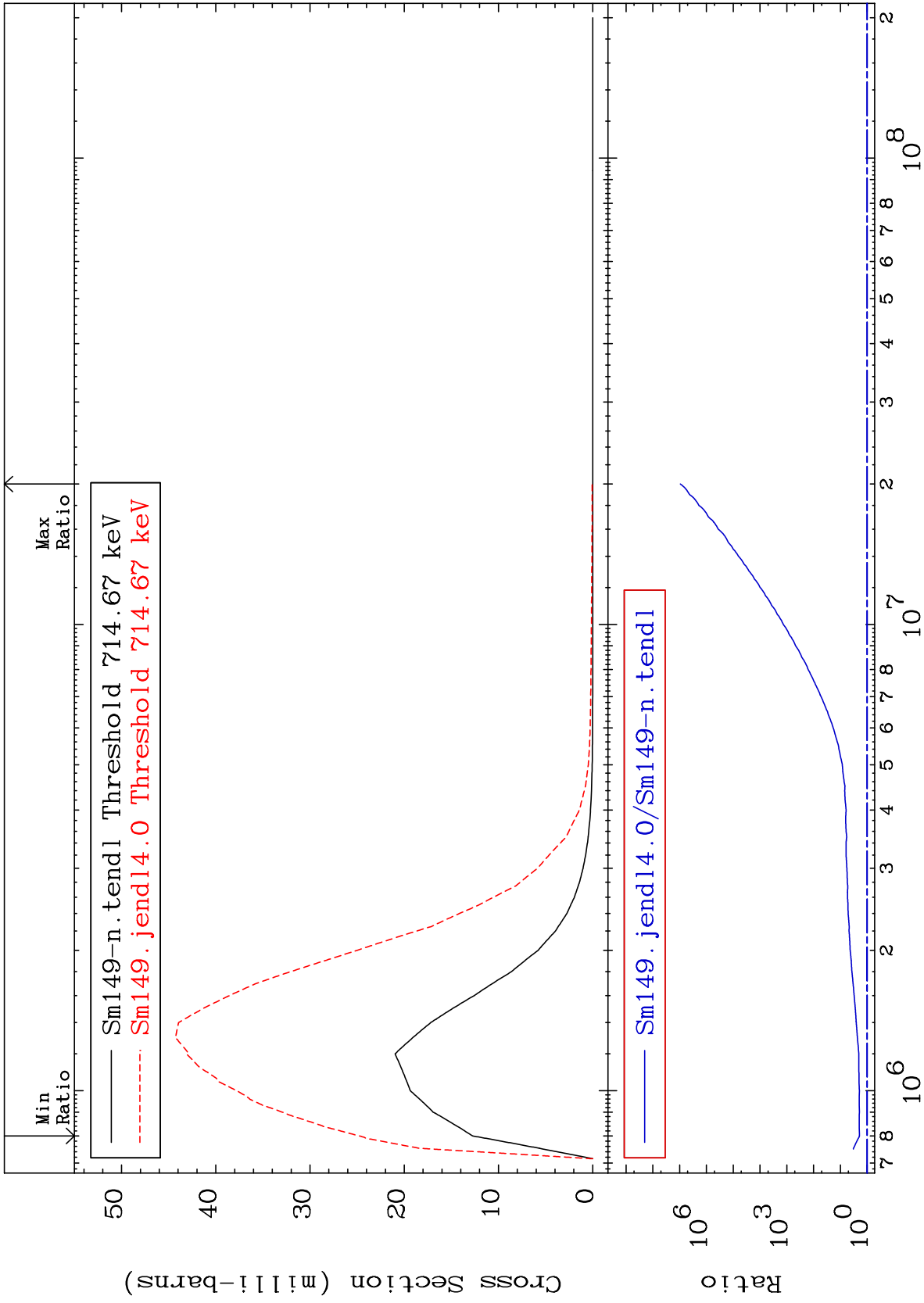
62-Sm-149  
-4.556 To 9999. %



MAT 6240

709.9 keV (n,n') Level  
Cross Section

62-Sm-149  
94.40 To 9999. %

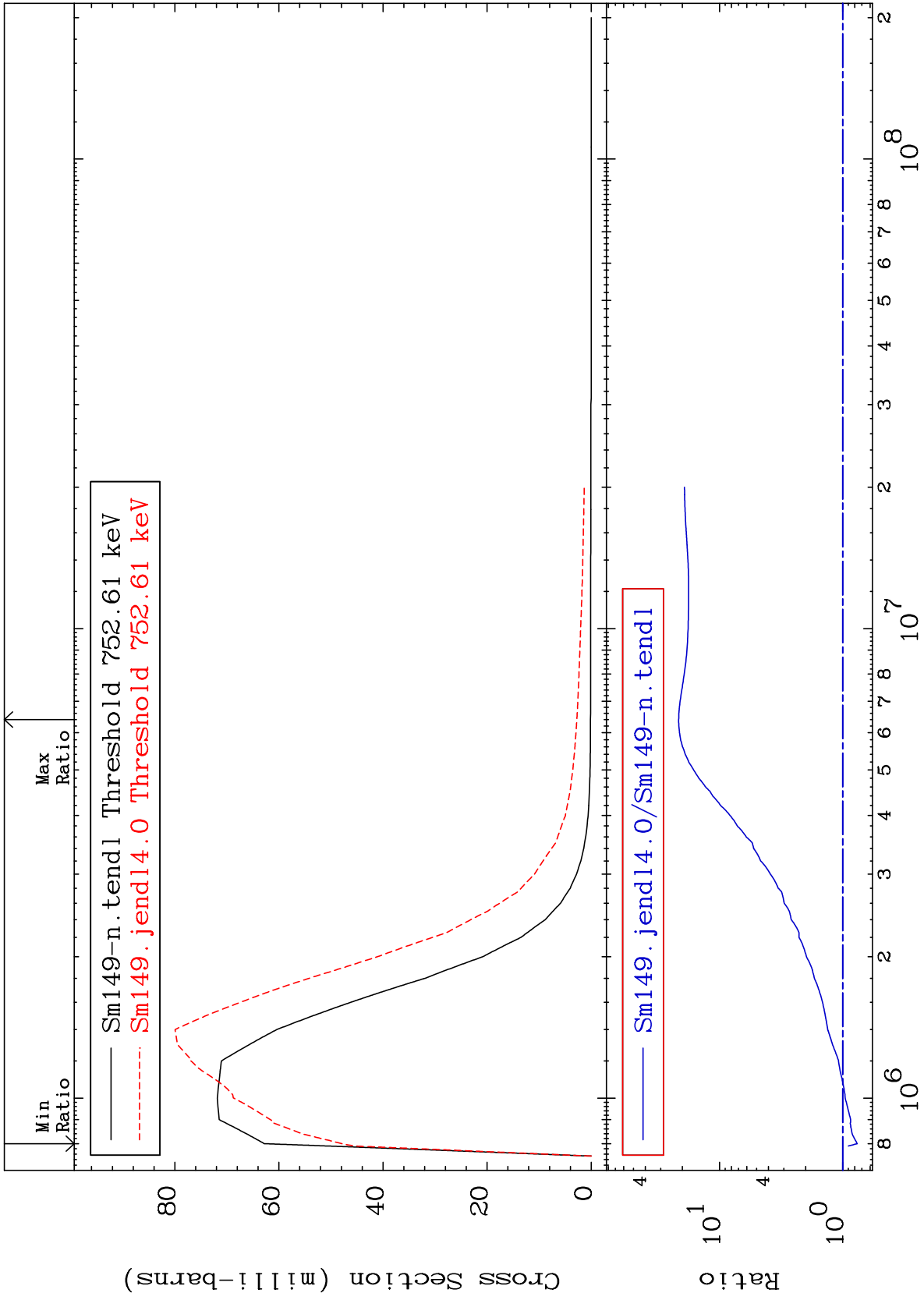




MAT 6240

747.6 keV (n,n') Level  
Cross Section

62-Sm-149  
-23.79 To 2046. %



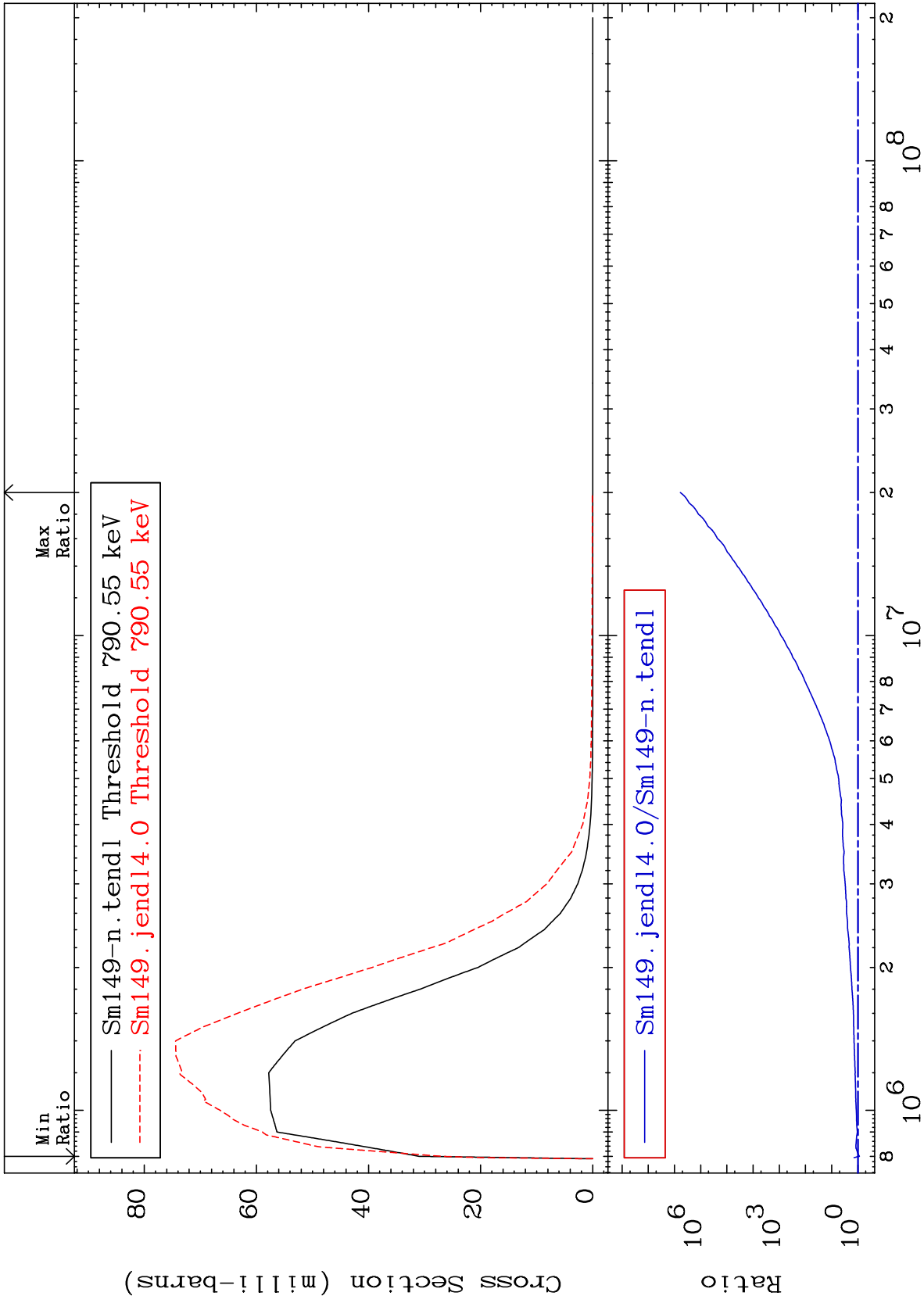
25

62-Sm-149

MAT 6240

785.2 keV (n,n') Level  
Cross Section

62-Sm-149  
-12.77 To 9999. %



26

Incident Energy (eV)

62-Sm-149

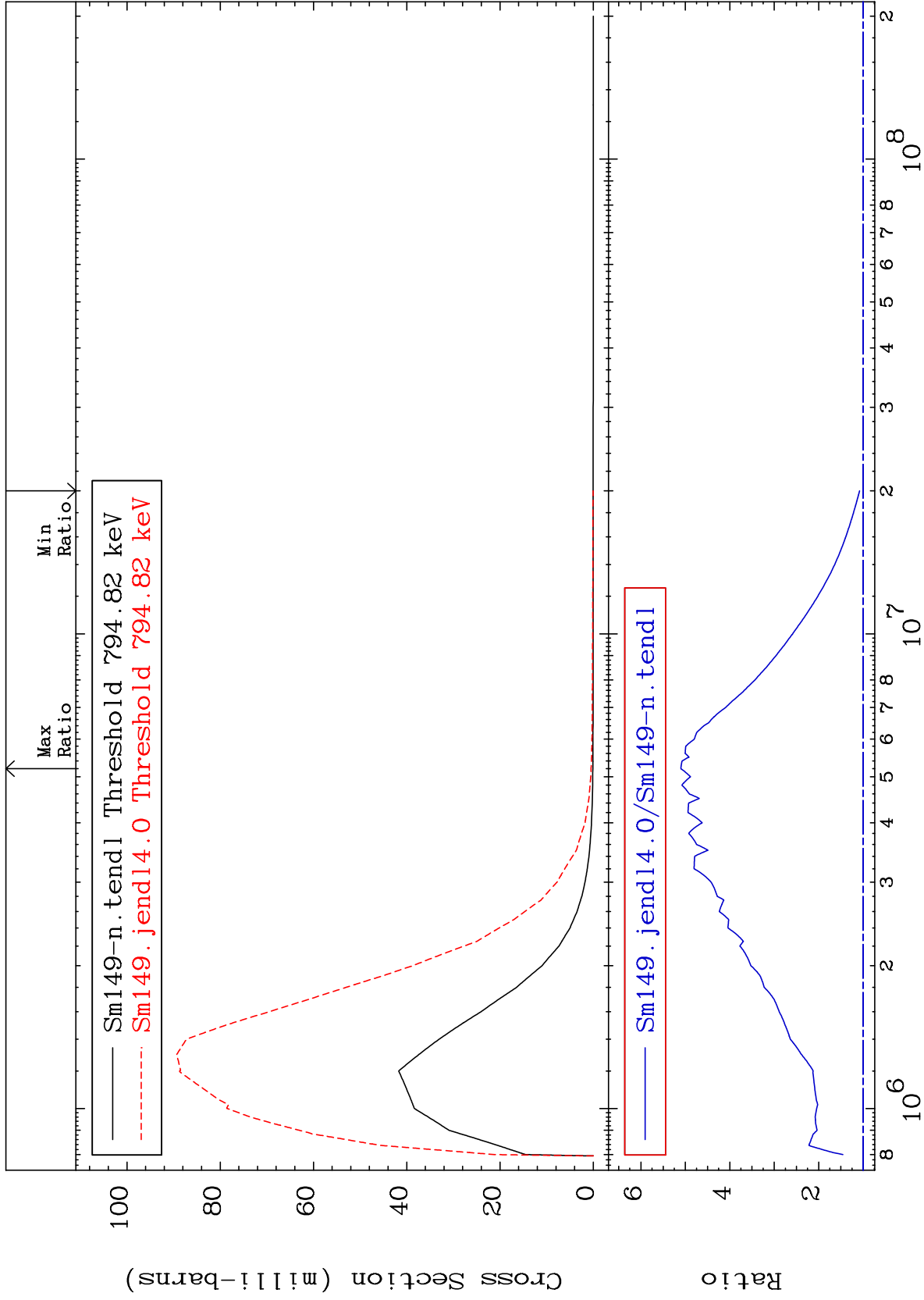
MAT 6240

789.5 keV (n,n') Level

62-Sm-149

8.047 To 410.3 %

Cross Section



27

Incident Energy (eV)

62-Sm-149

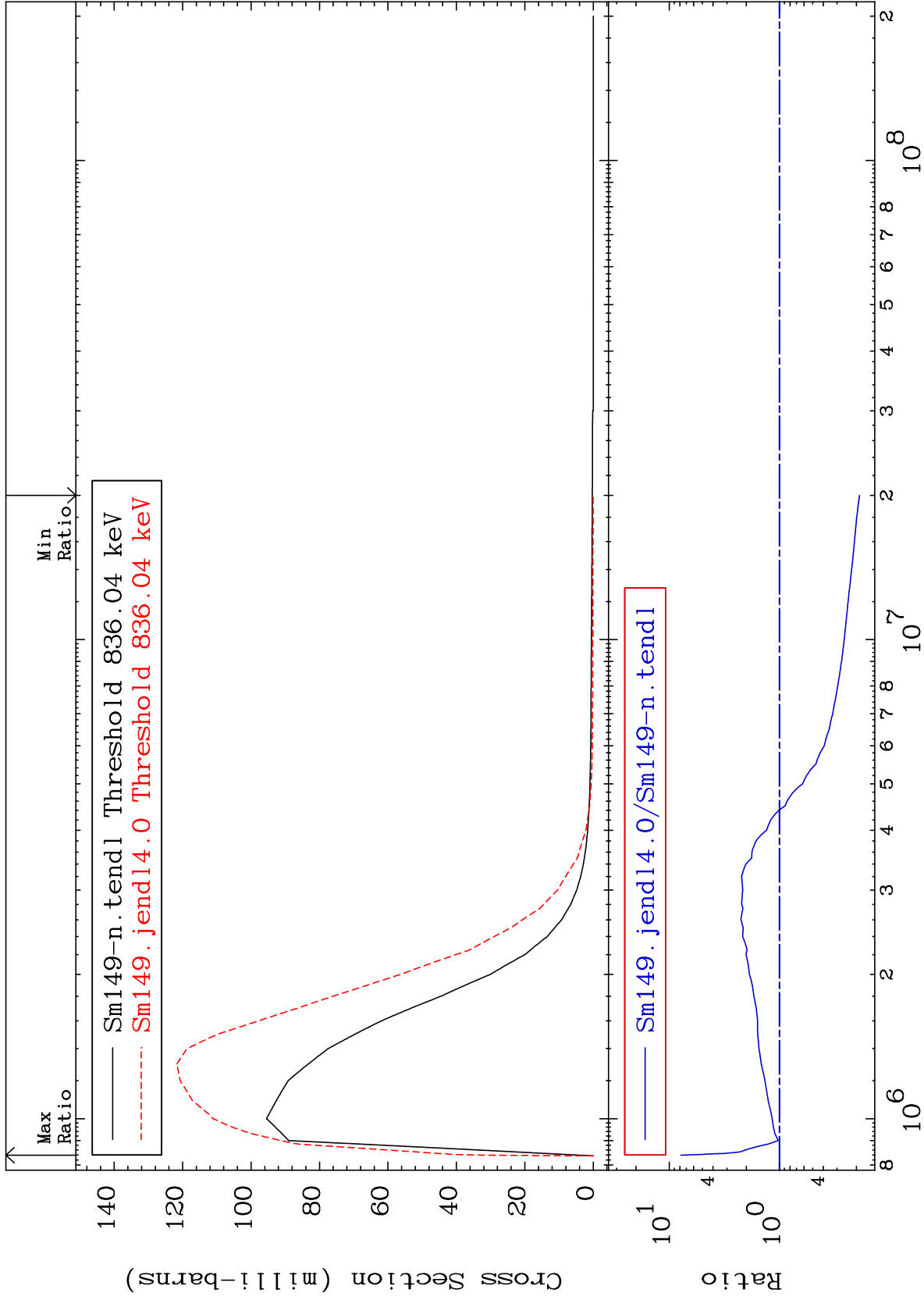
MAT 6240

830.4 keV (n,n') Level

62-Sm-149

-81.25 To 685.7 %

Cross Section



28

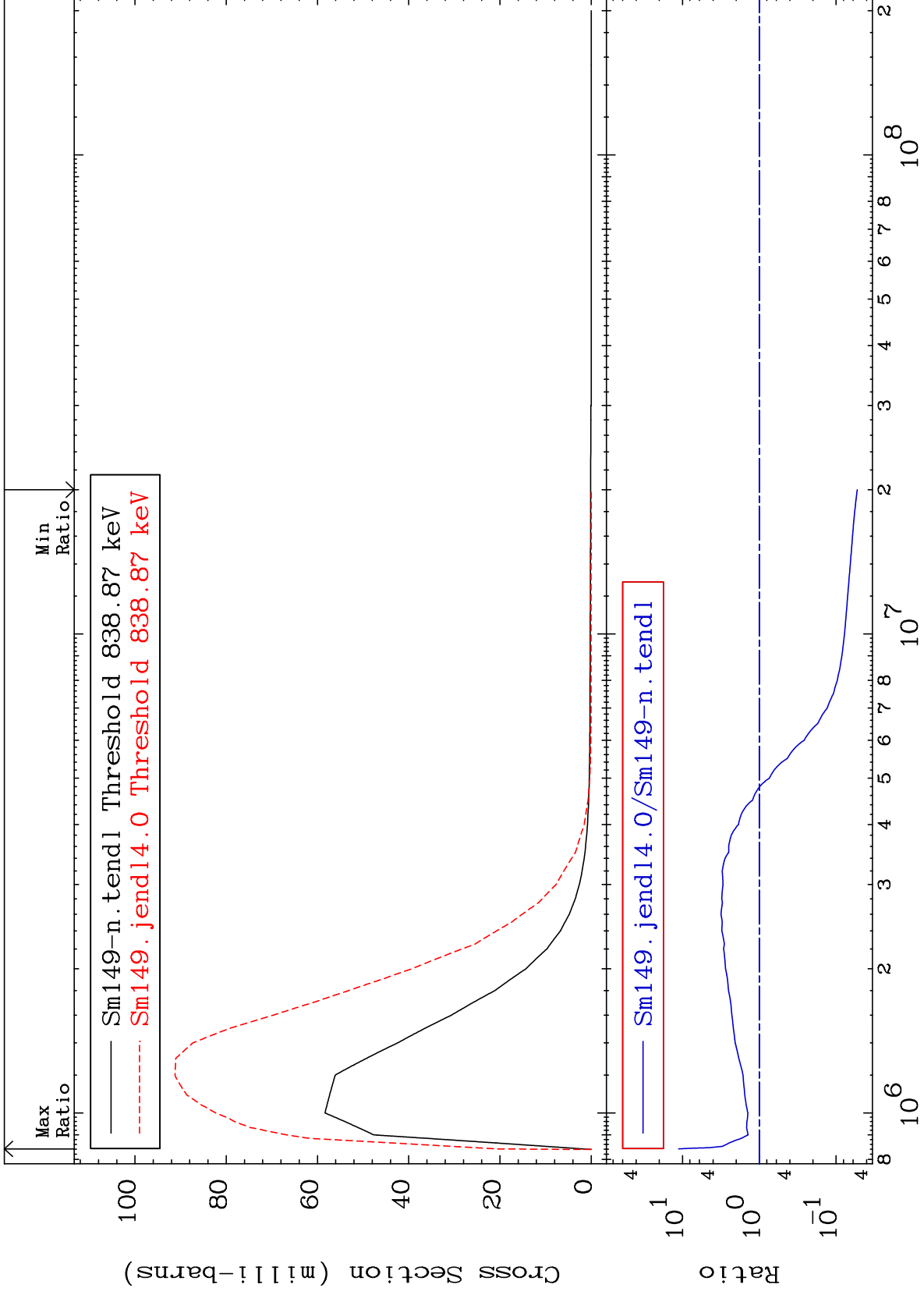
Incident Energy (eV)

62-Sm-149

MAT 6240

833.2 keV (n,n') Level  
Cross Section

62-Sm-149  
-94.70 To 1021. %



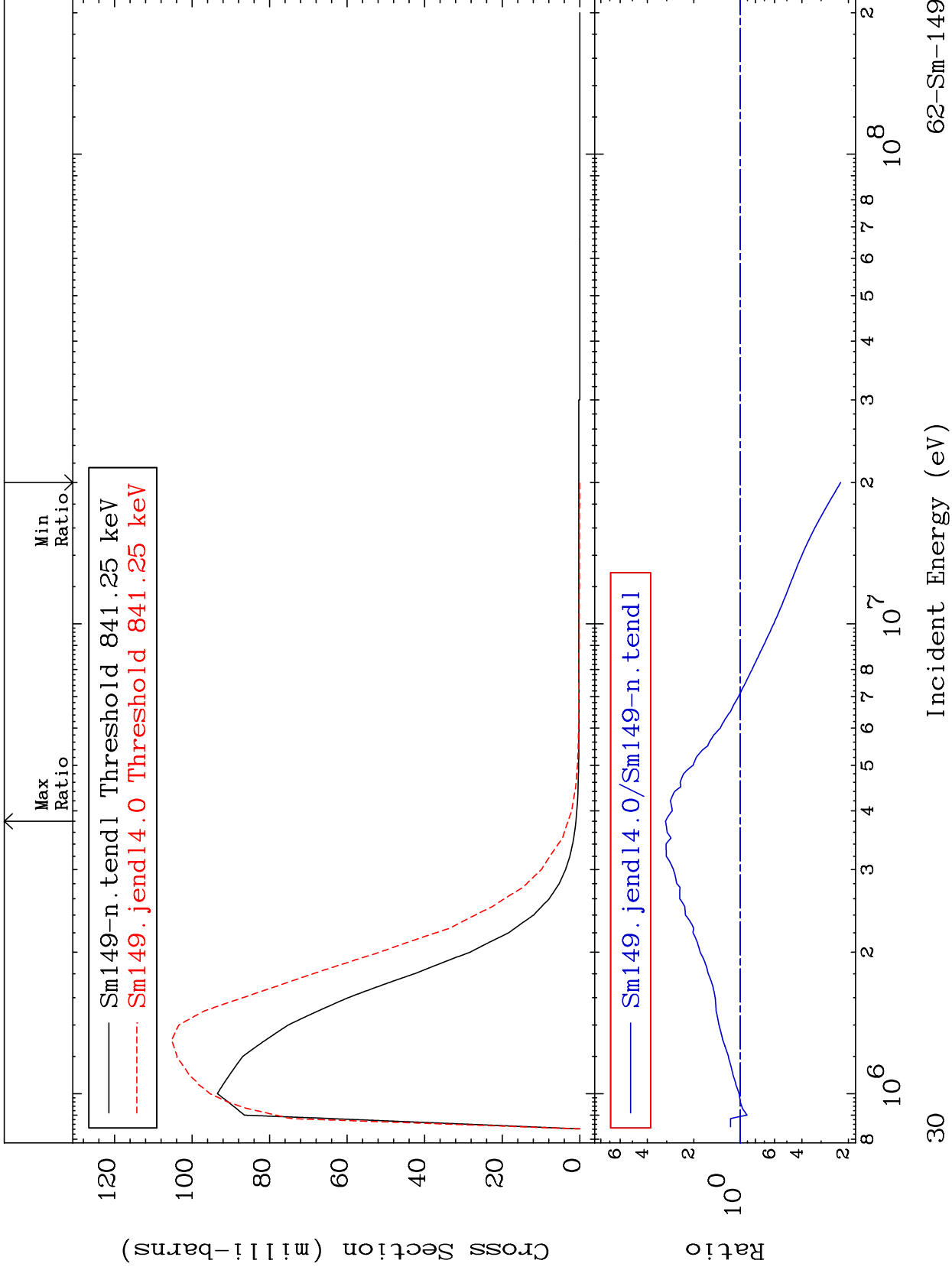
29

62-Sm-149

MAT 6240

835.6 keV (n,n') Level  
Cross Section

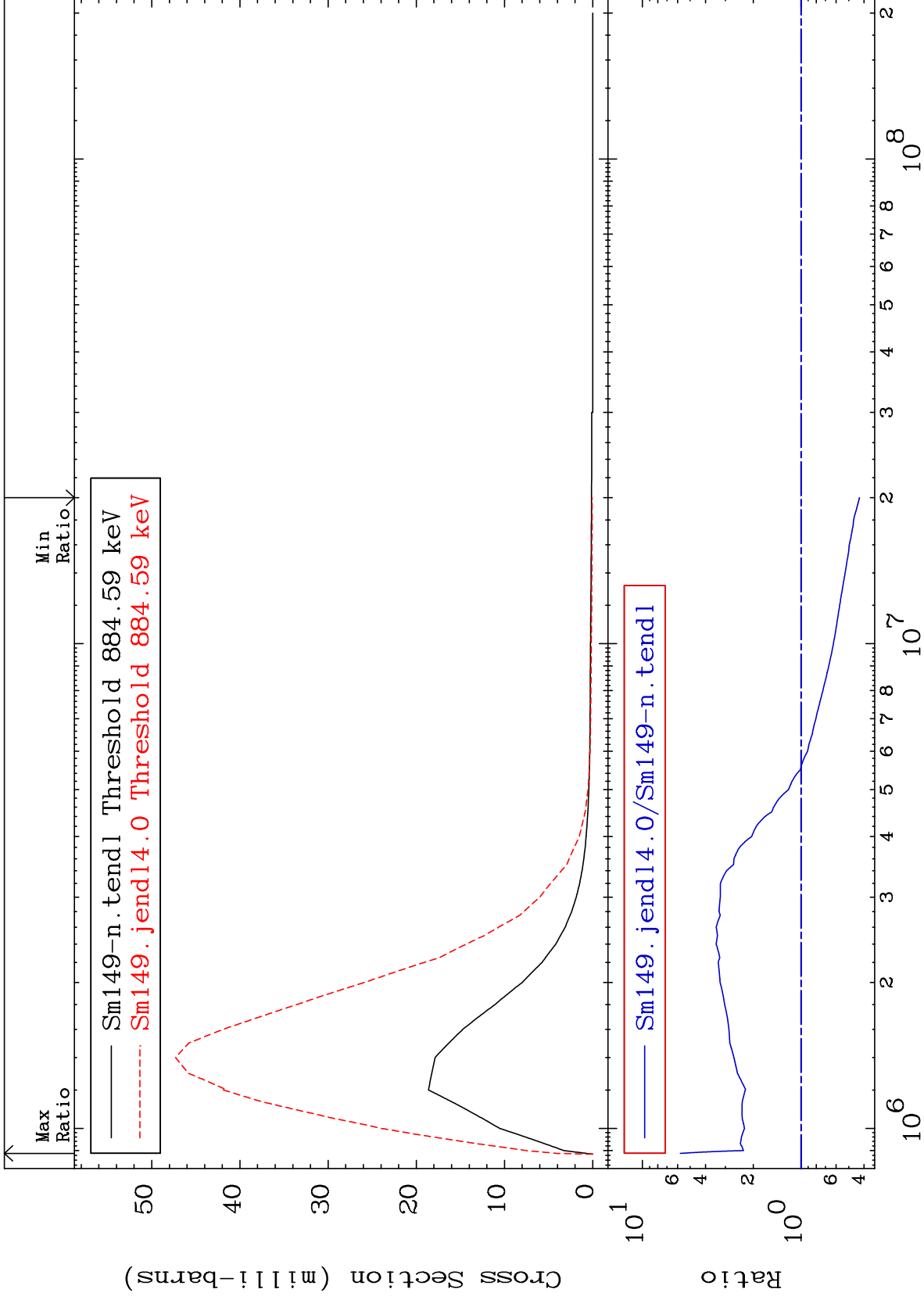
62-Sm-149  
-77.58 To 205.2 %



MAT 6240

878.6 keV (n,n') Level  
Cross Section

62-Sm-149  
-57.21 To 475.8 %



31

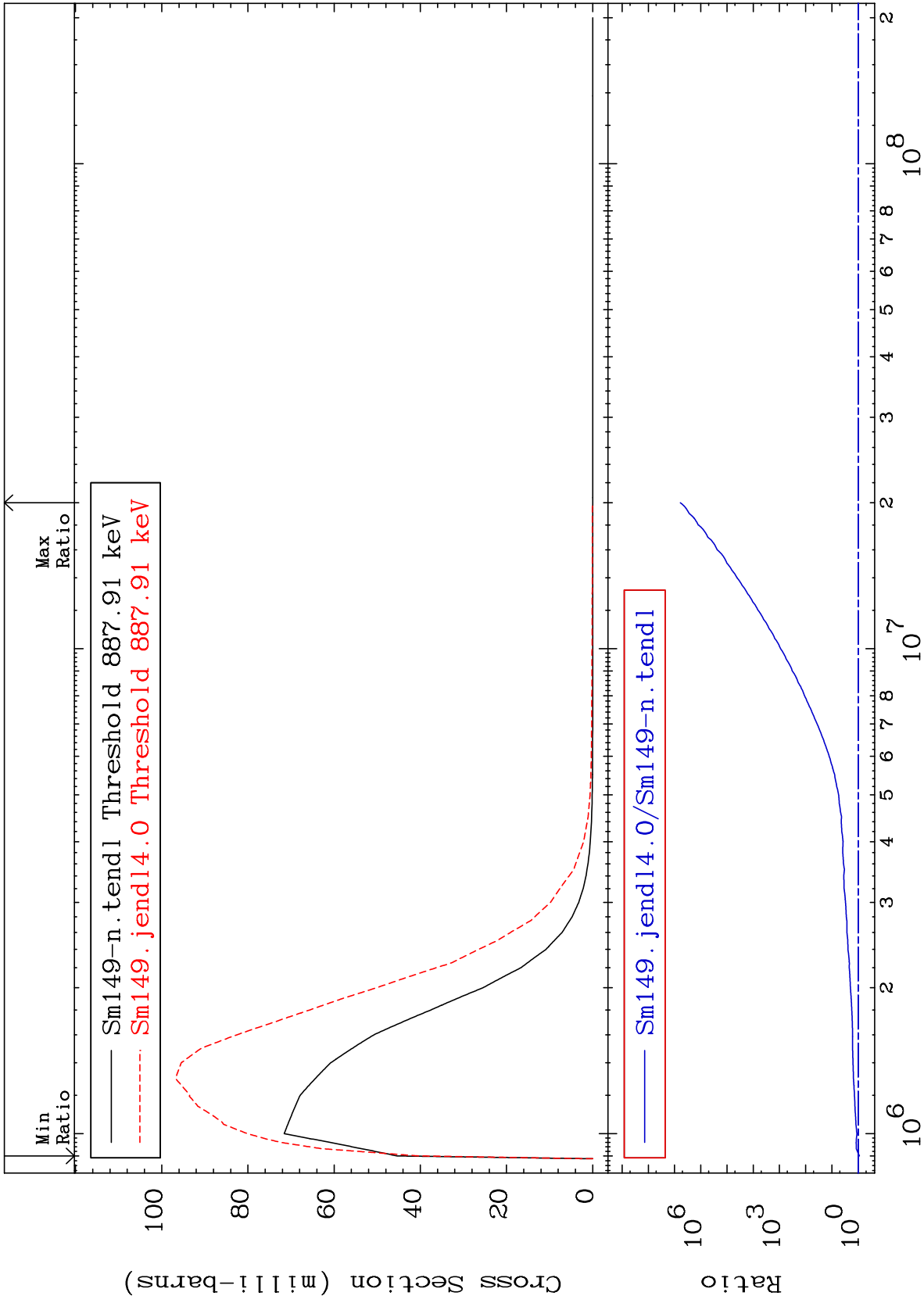
62-Sm-149

62-Sm-149

MAT 6240

881.9 keV (n,n') Level  
Cross Section

62-Sm-149  
-10.79 To 9999. %



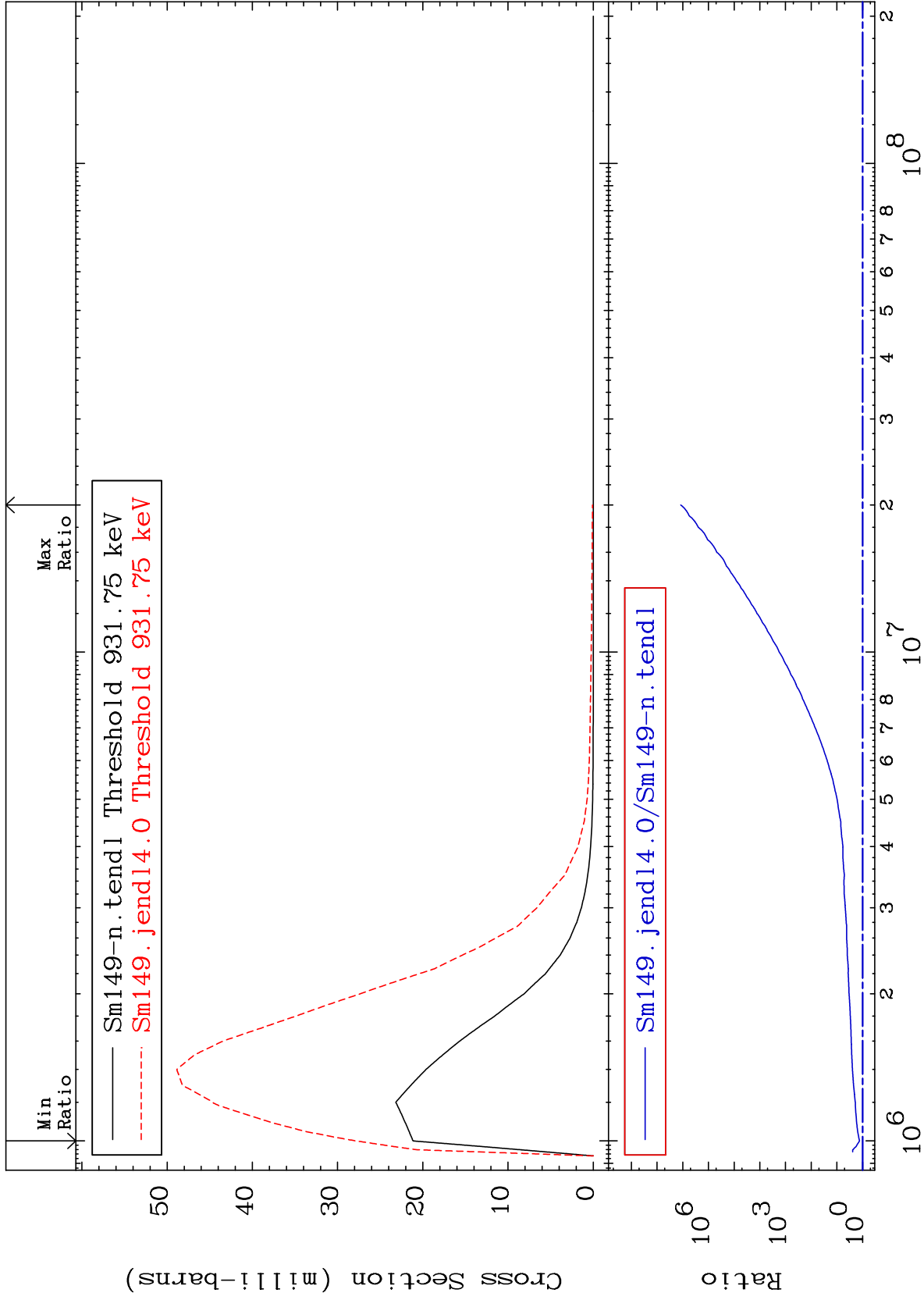
32

Incident Energy (eV)

62-Sm-149



MAT 6240 925.5 keV (n,n') Level 62-Sm-149  
 Cross Section 31.60 To 9999. %

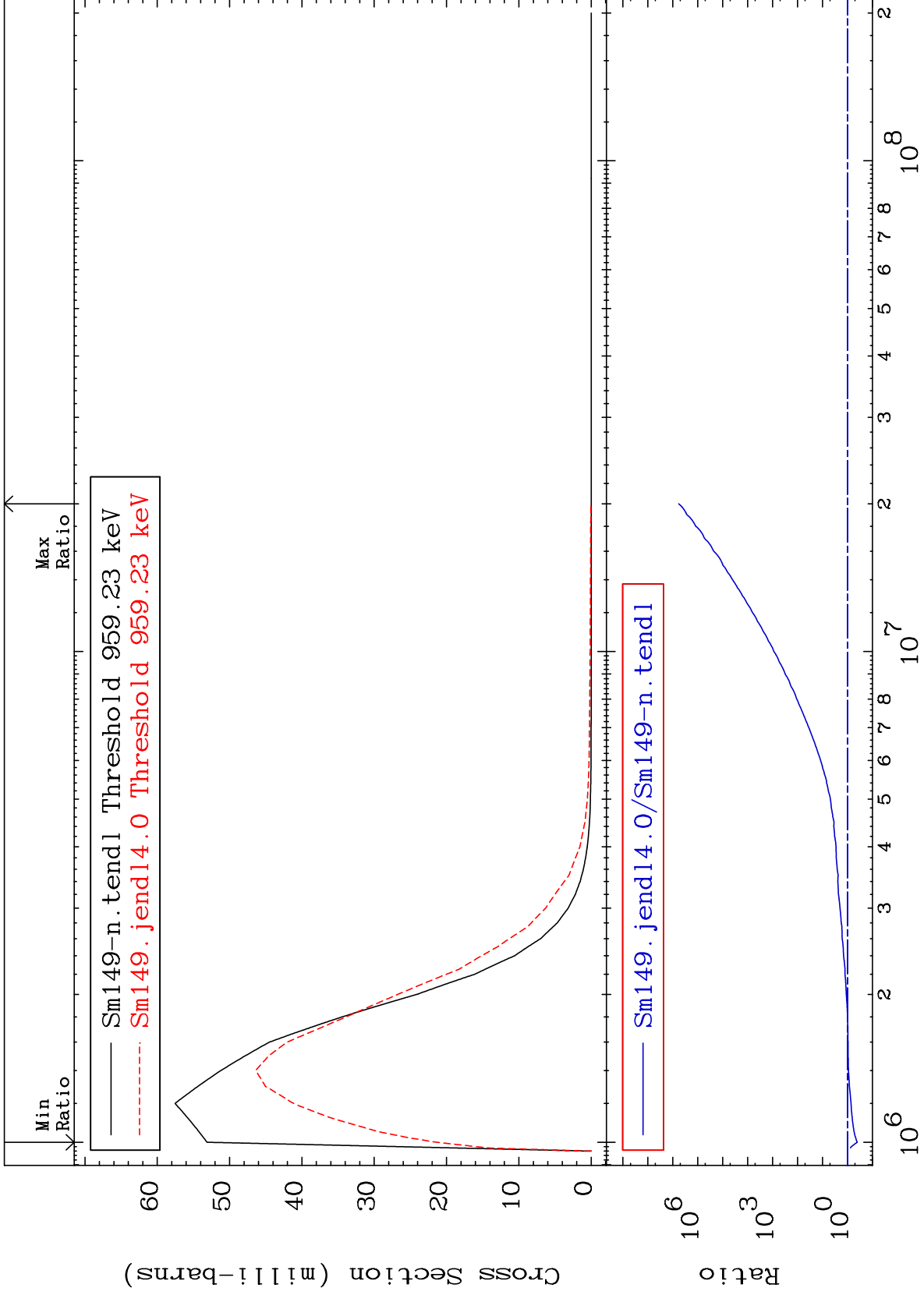


33 Incident Energy (eV) 62-Sm-149

MAT 6240

952.8 keV (n,n') Level  
Cross Section

62-Sm-149  
-59.77 To 9999. %



34

Incident Energy (eV)

62-Sm-149

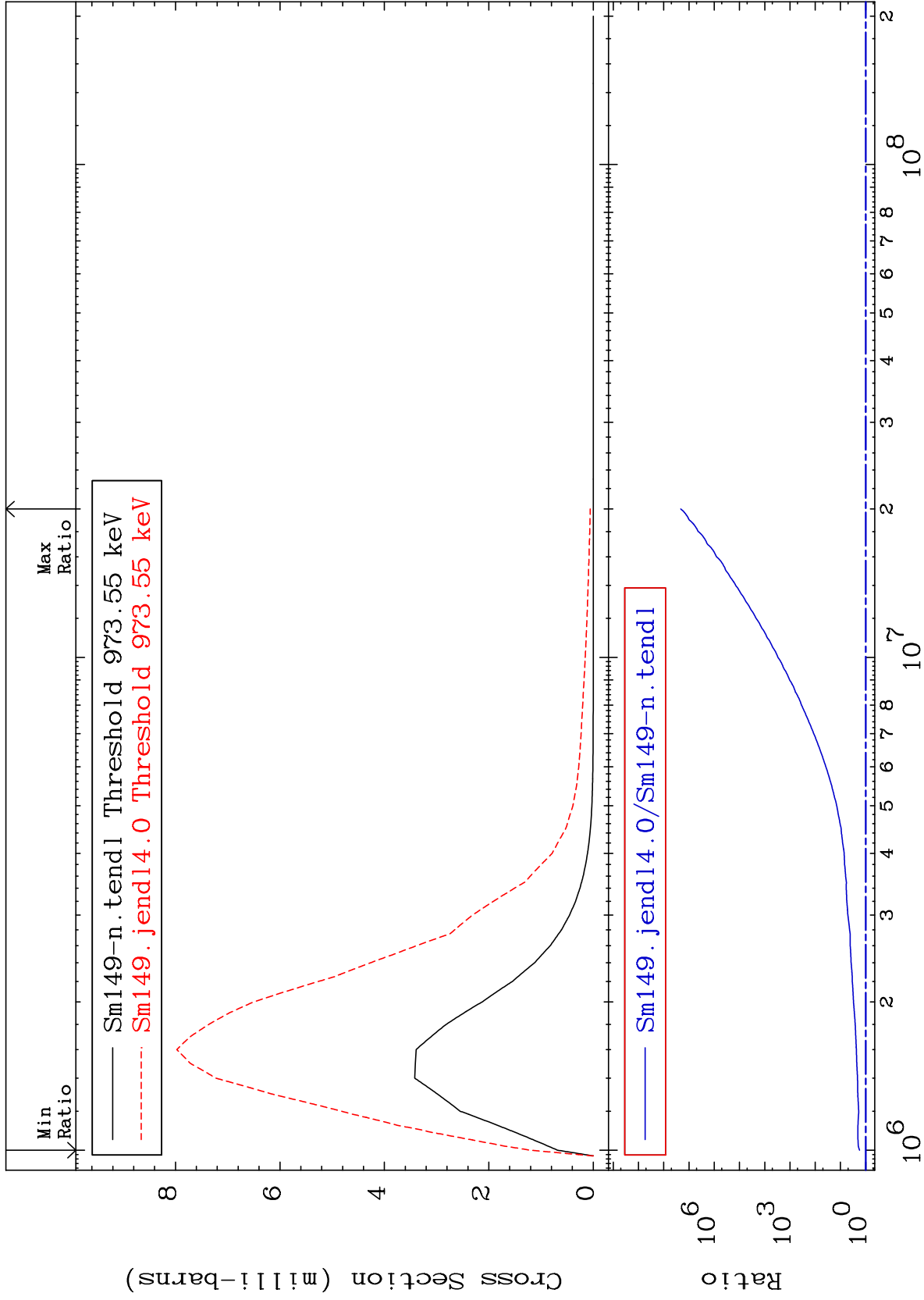
MAT 6240

967.0 keV (n,n') Level

62-Sm-149

75.86 To 9999. %

Cross Section



35

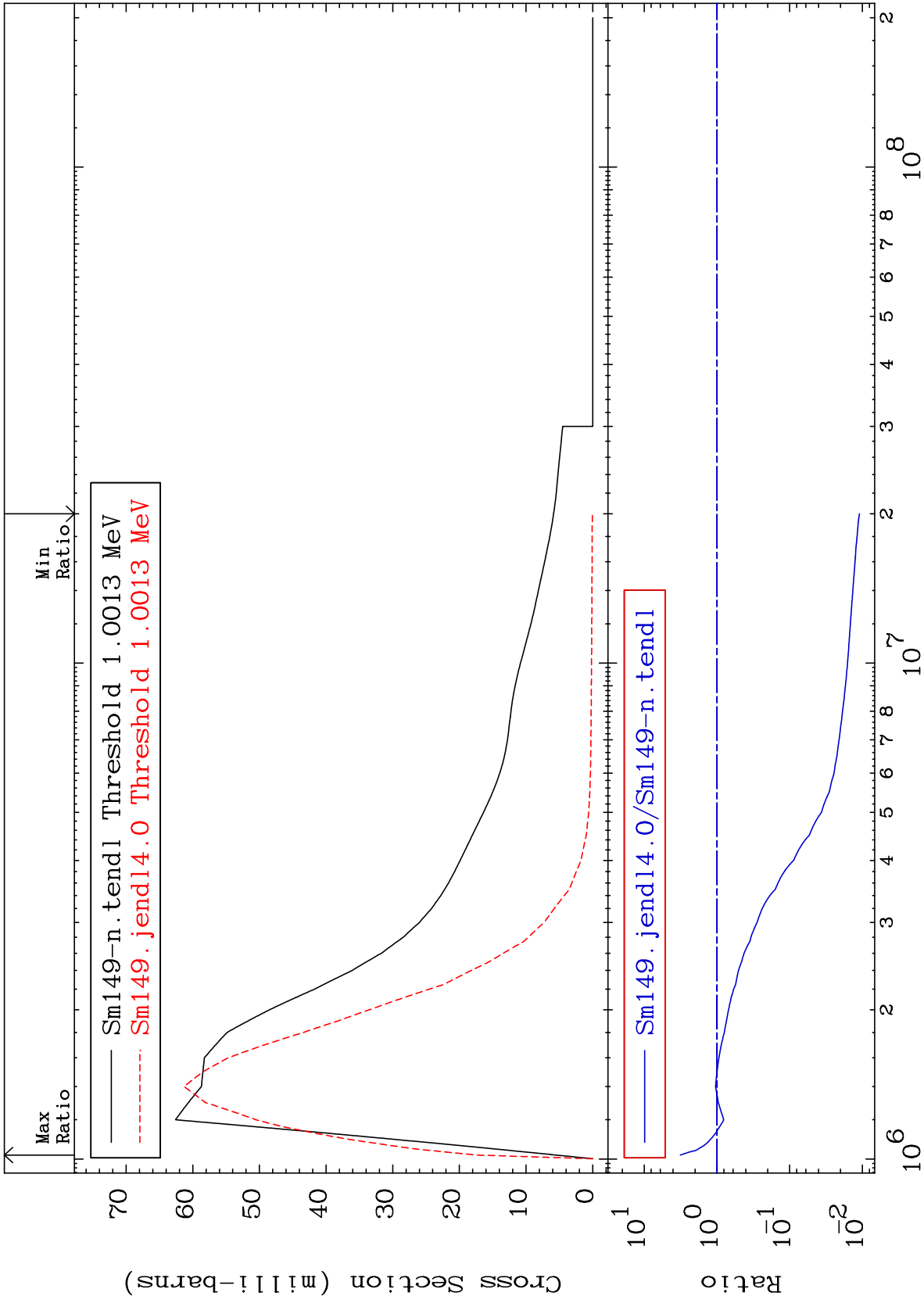
Incident Energy (eV)

62-Sm-149

MAT 6240

994.6 keV (n,n') Level  
Cross Section

62-Sm-149  
-98.90 To 218.1 %



36

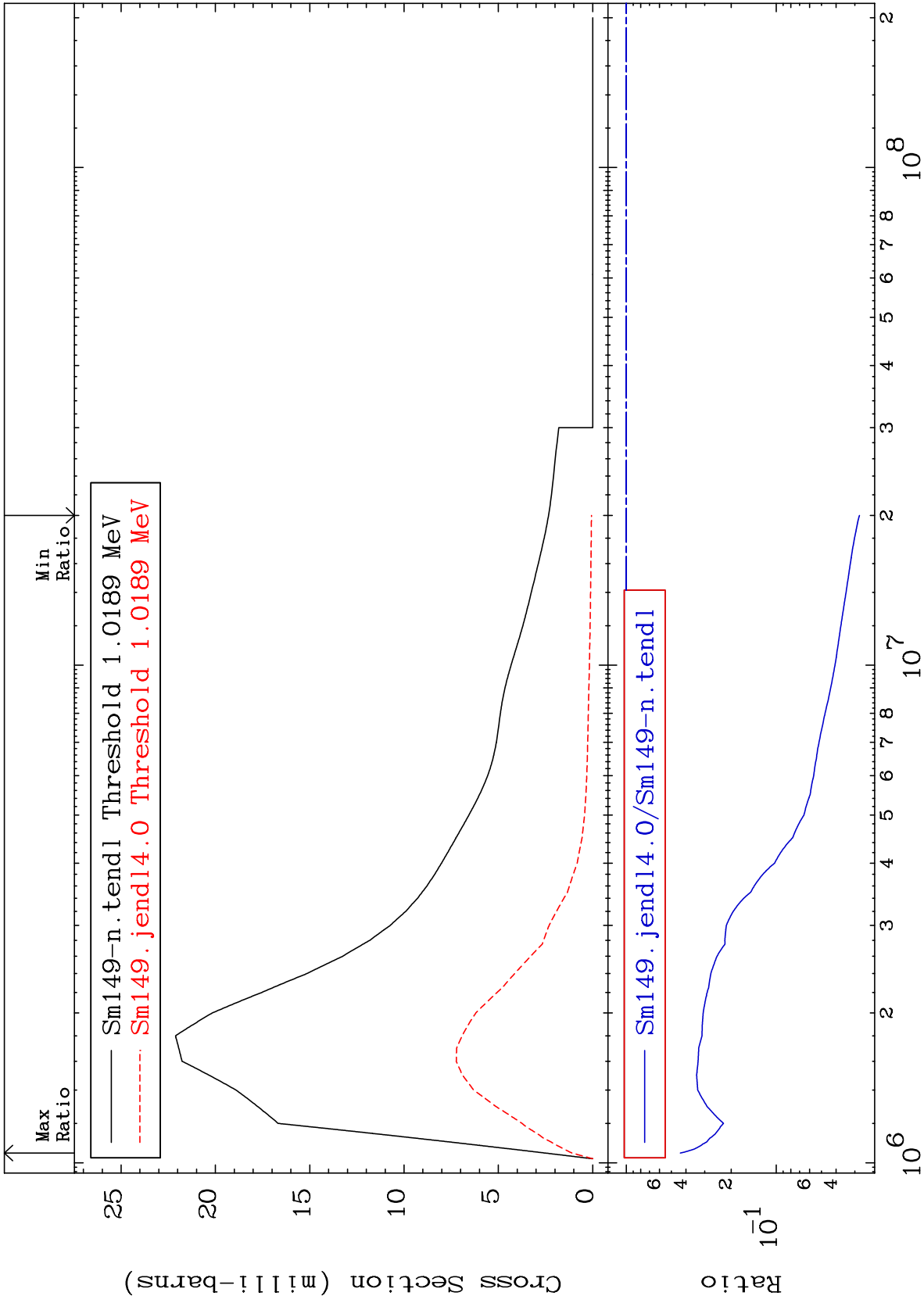
Incident Energy (eV)

62-Sm-149

MAT 6240

1.012 MeV (n,n') Level  
Cross Section

62-Sm-149  
-97.21 To -56.41%

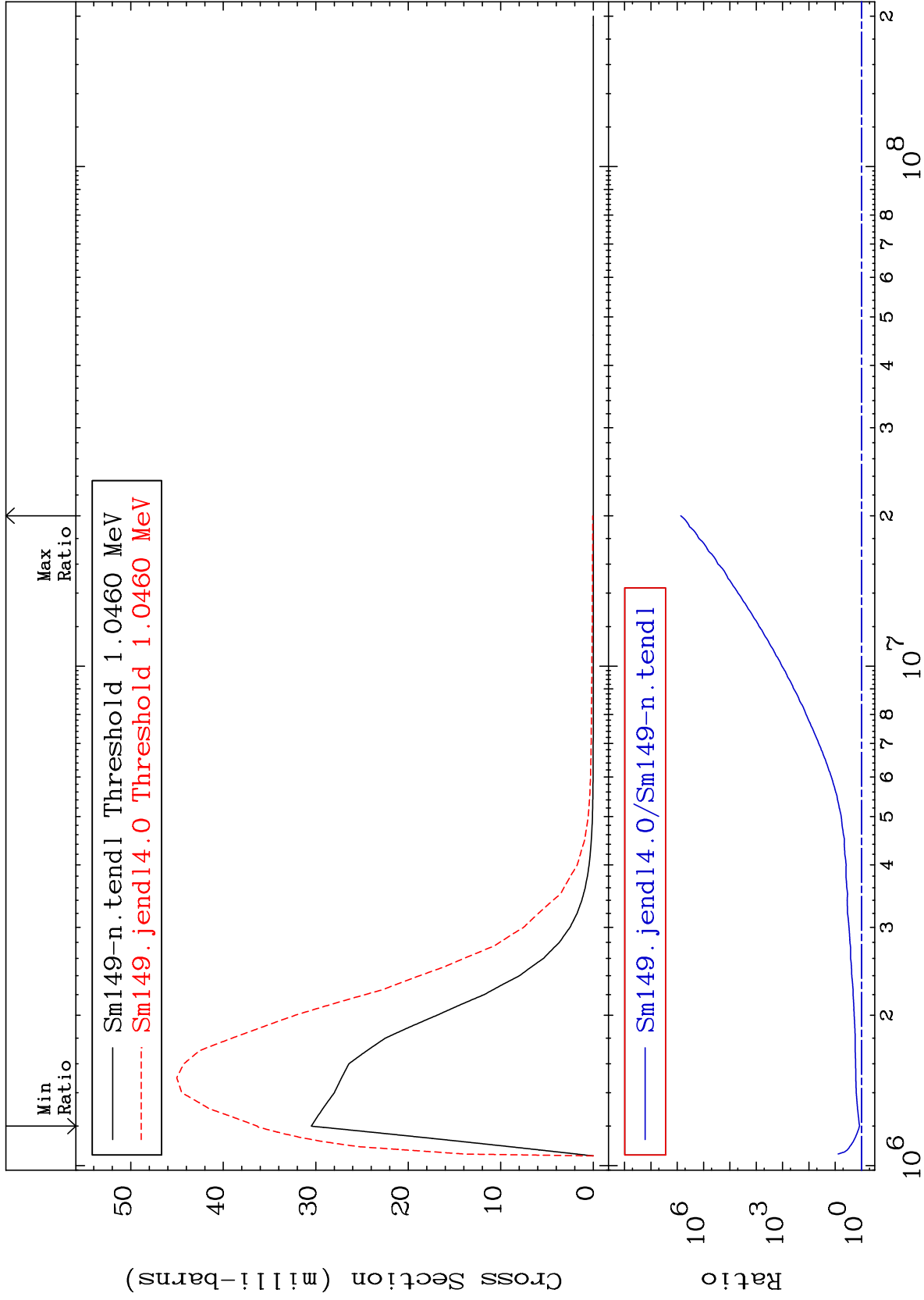


37

Incident Energy (eV)

62-Sm-149

MAT 6240      1.039 MeV (n,n') Level      62-Sm-149  
 Cross Section      19.12 To 9999. %

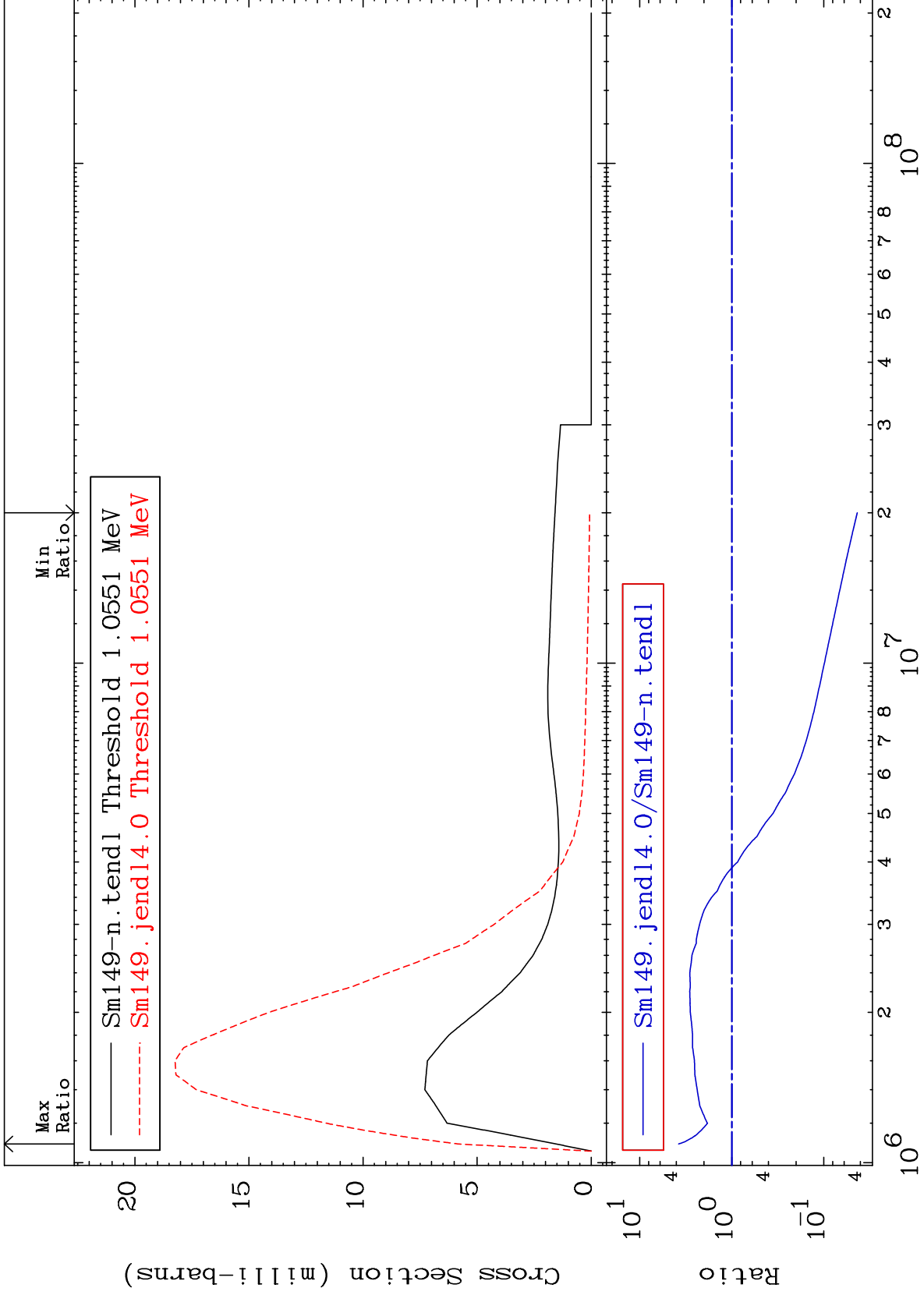


38      Incident Energy (eV)      62-Sm-149

MAT 6240

1.048 MeV (n,n') Level  
Cross Section

62-Sm-149  
-95.67 To 277.4 %



39

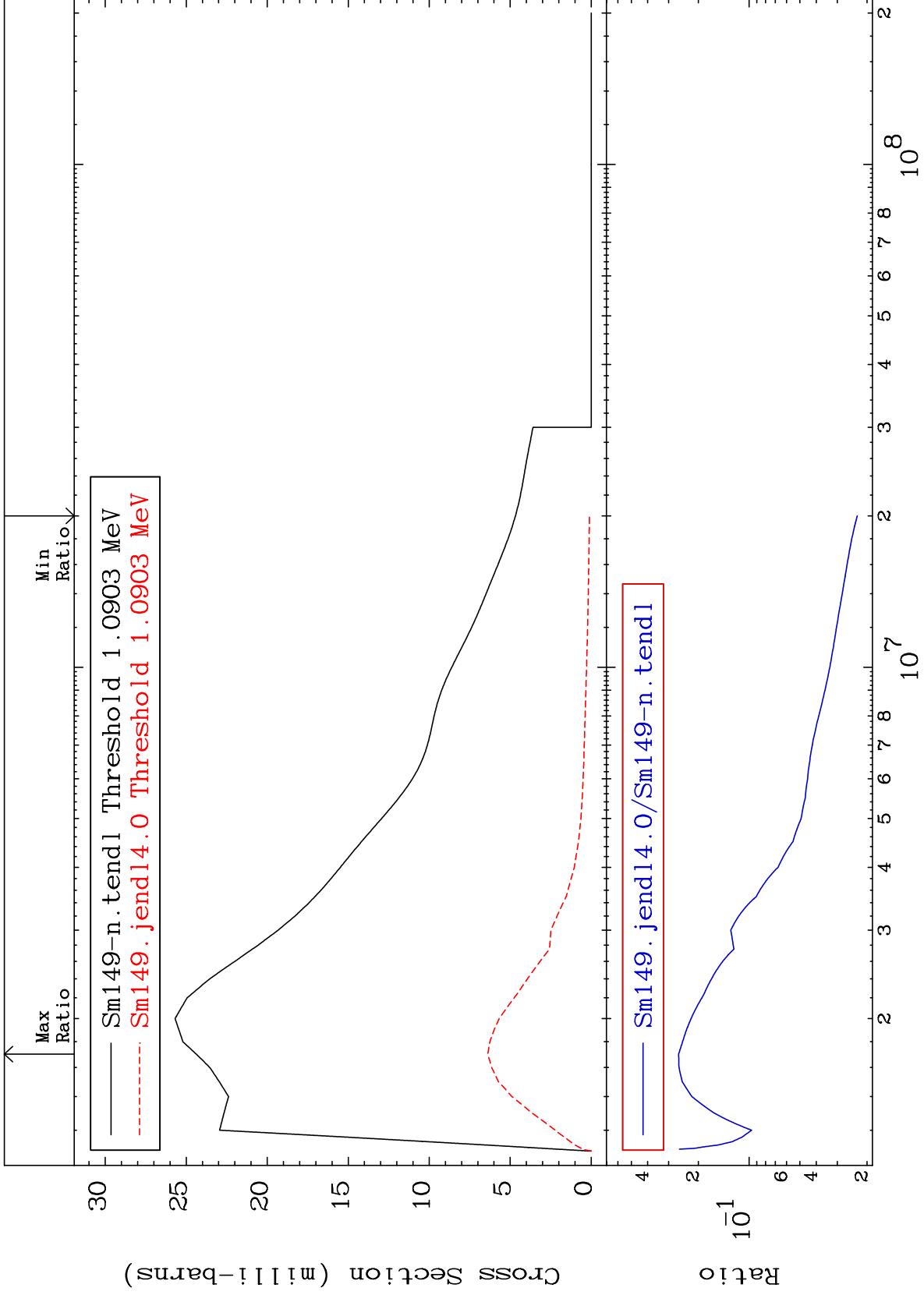
Incident Energy (eV)

62-Sm-149

MAT 6240

1.083 MeV (n,n') Level  
Cross Section

62-Sm-149  
-97.71 To -73.81%

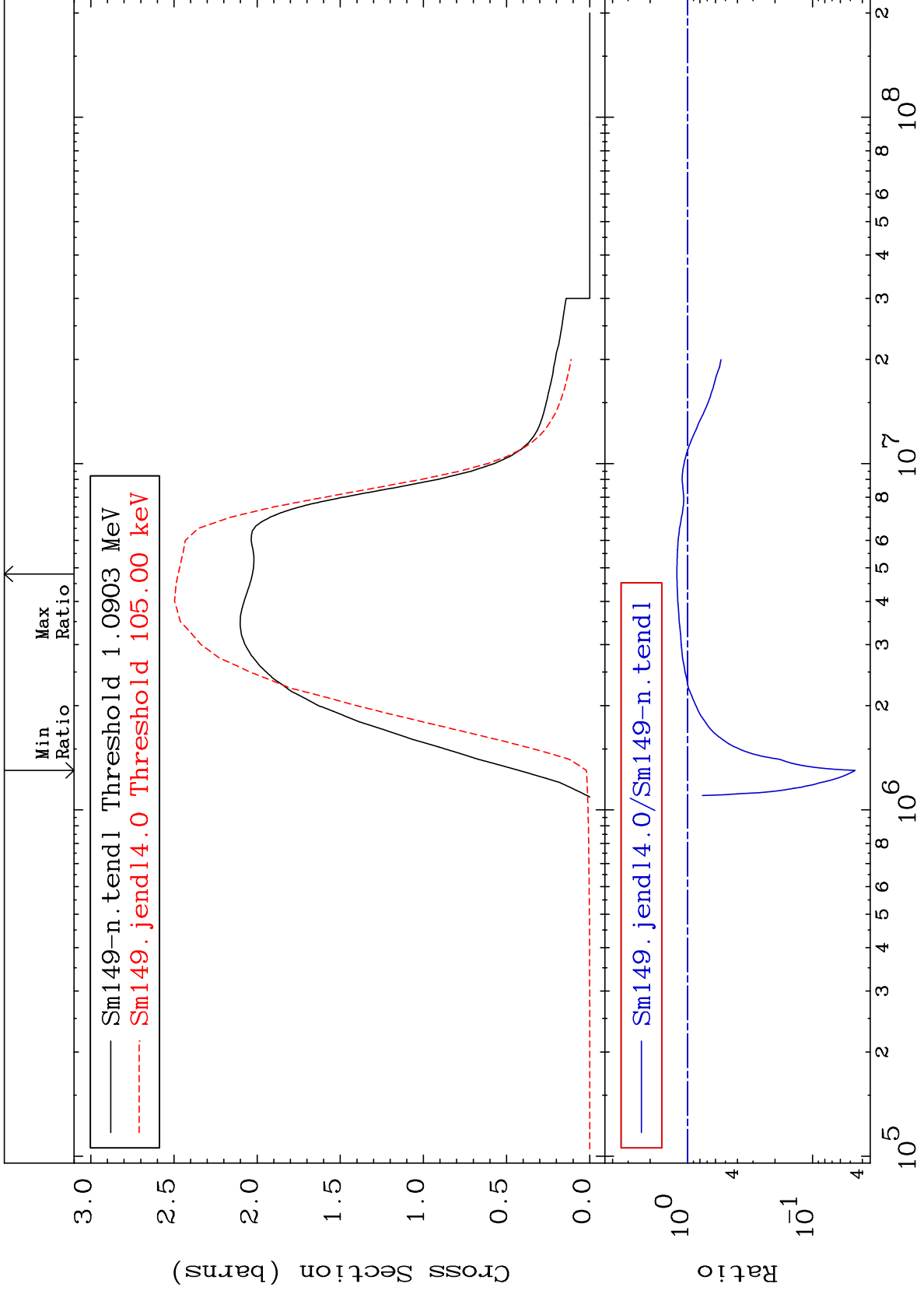




MAT 6240

(n, n') Continuum  
Cross Section

62-Sm-149  
-95.43 To 22.03 %



41

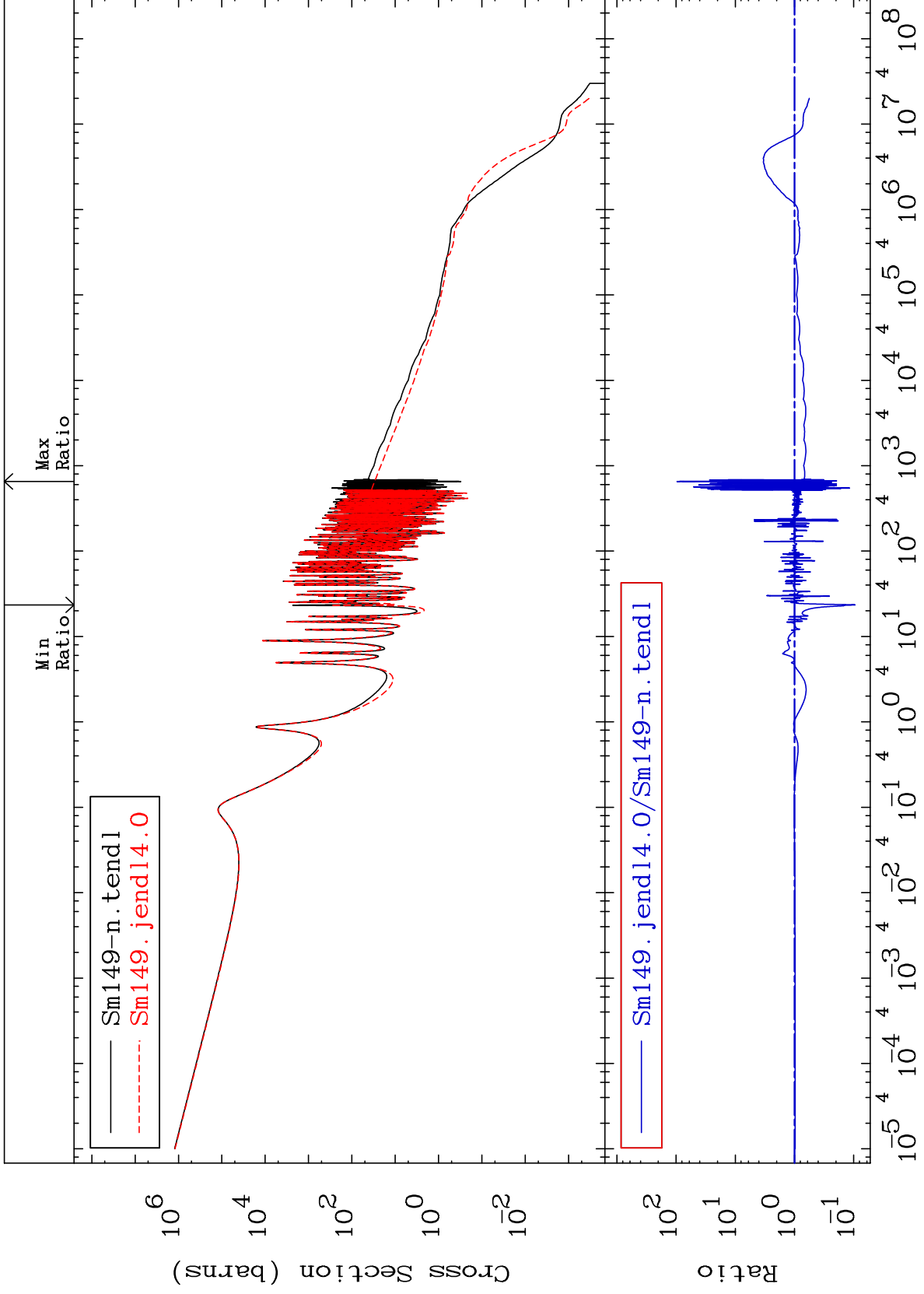
Incident Energy (eV)

62-Sm-149

MAT 6240

62-Sm-149  
-90.52 To 9595. %

(n,  $\gamma$ )  
Cross Section



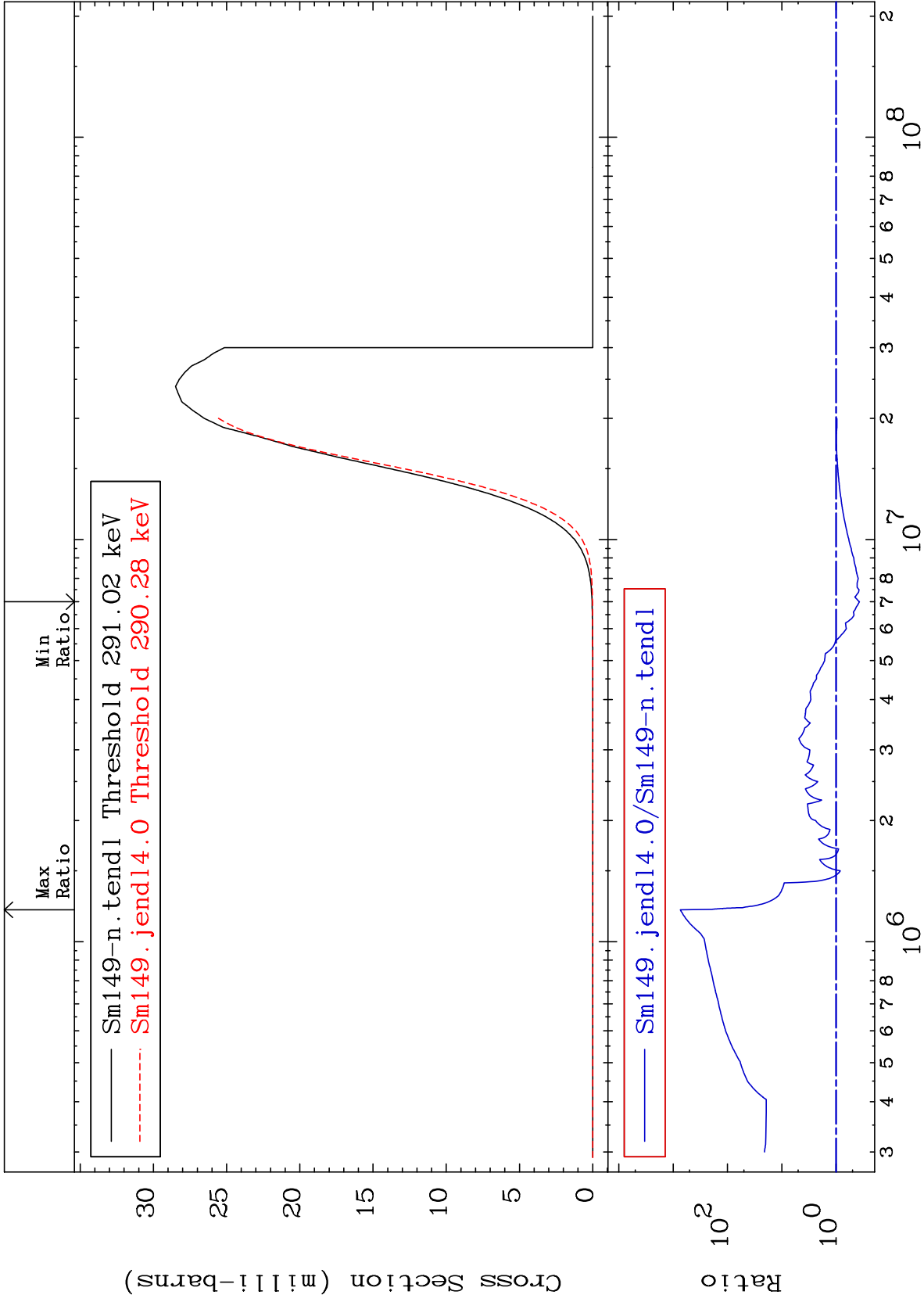
MAT 6240

(n,p)

62-Sm-149

Cross Section

-62.80 To 9999. %



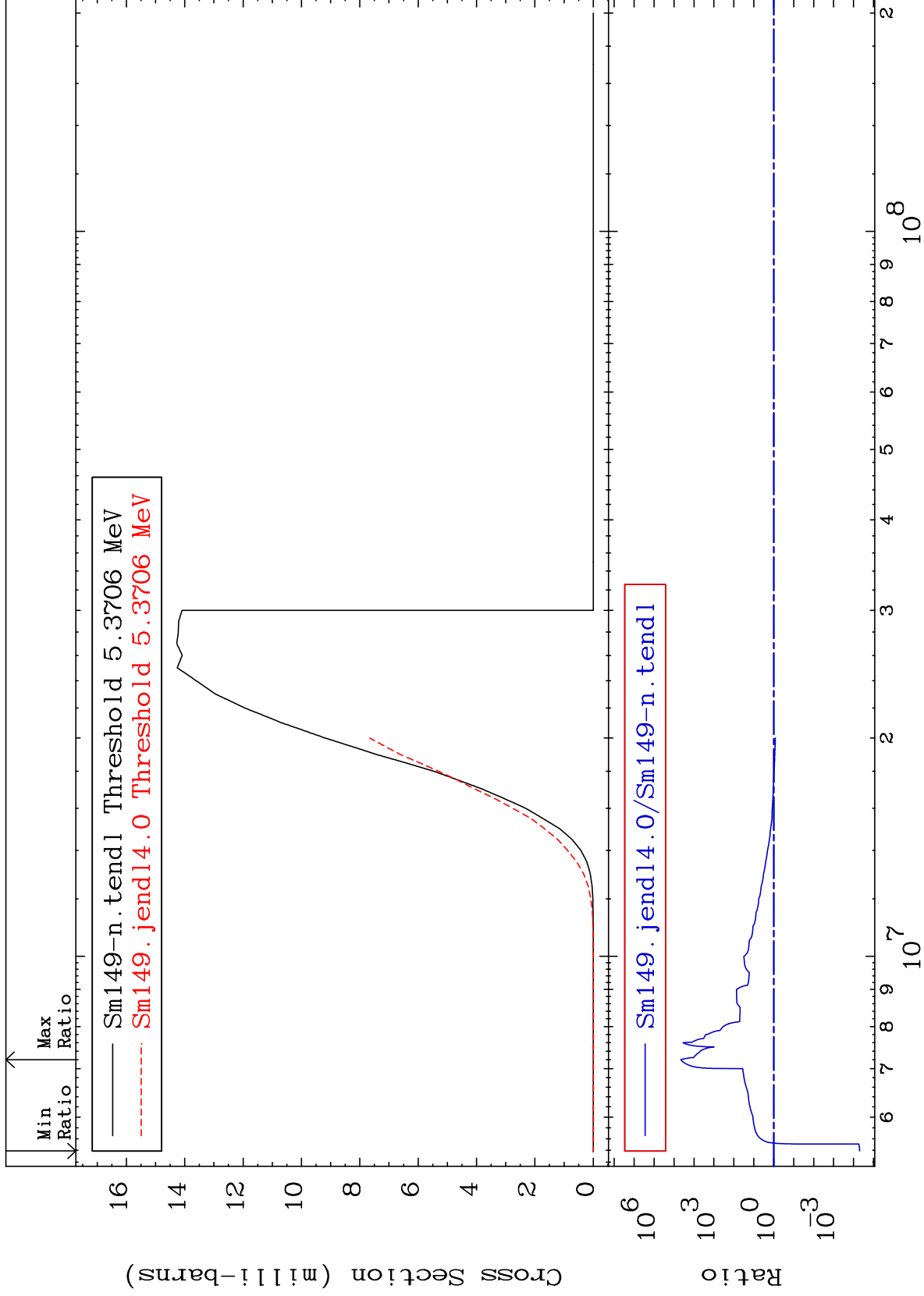
MAT 6240

(n, d)

62-Sm-149

Cross Section

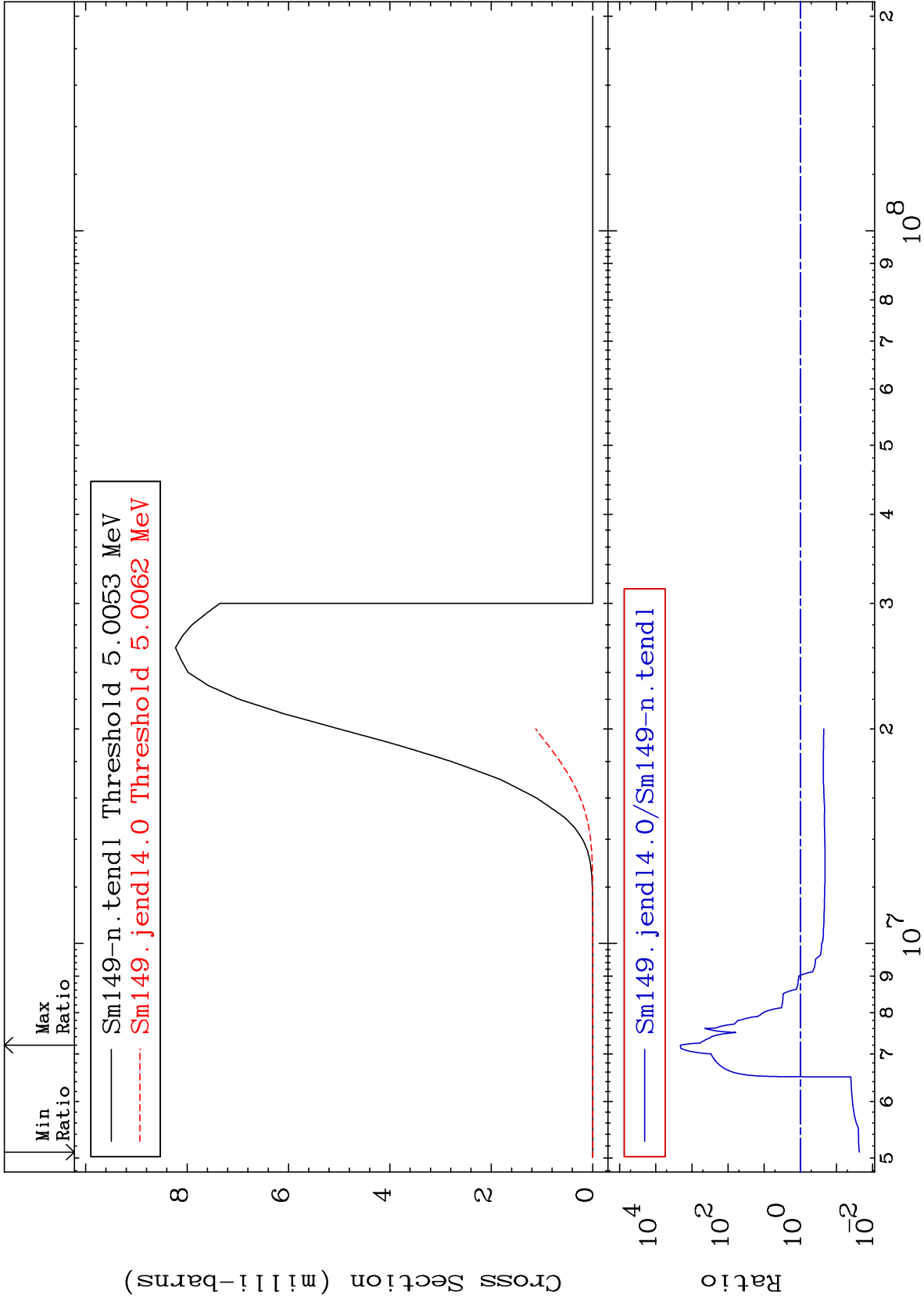
-99.99 To 9999. %



MAT 6240

(n, t)  
Cross Section

62-Sm-149  
-97.68 To 9999. %



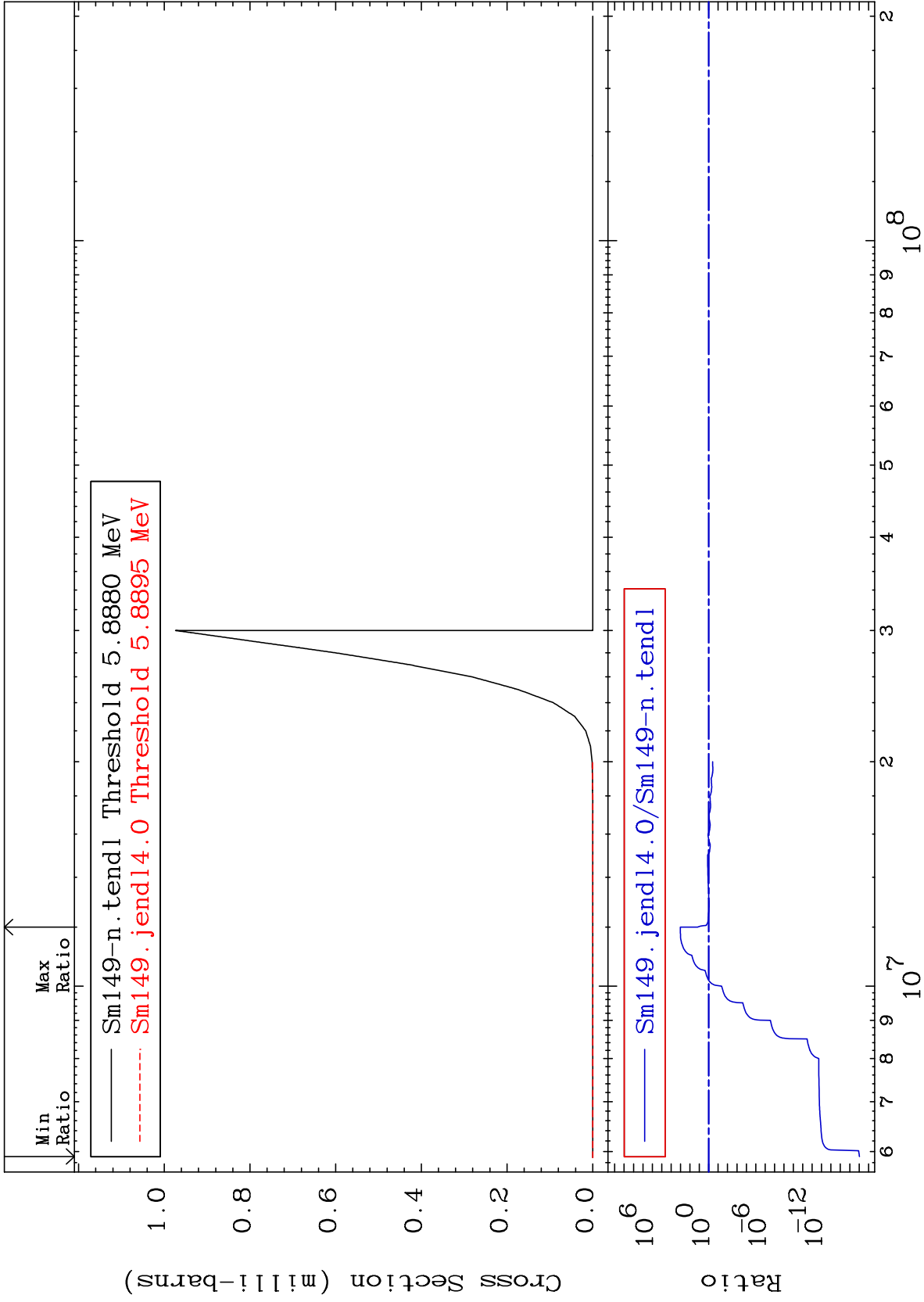
MAT 6240

(n, He-3)

62-Sm-149

Cross Section

-100.0 To 9999. %



46

Incident Energy (eV)

62-Sm-149

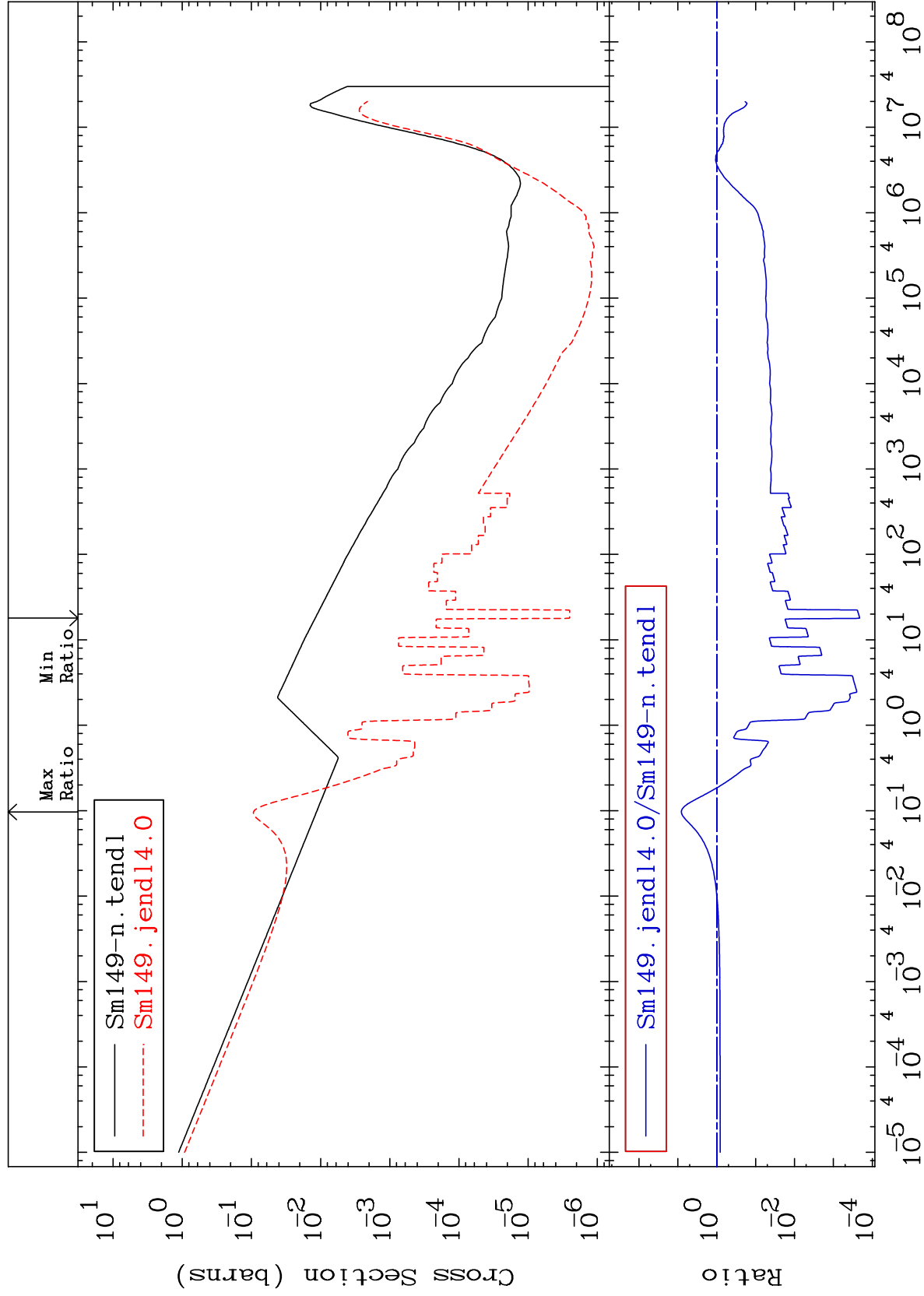
MAT 6240

(n,  $\alpha$ )

62-Sm-149

Cross Section

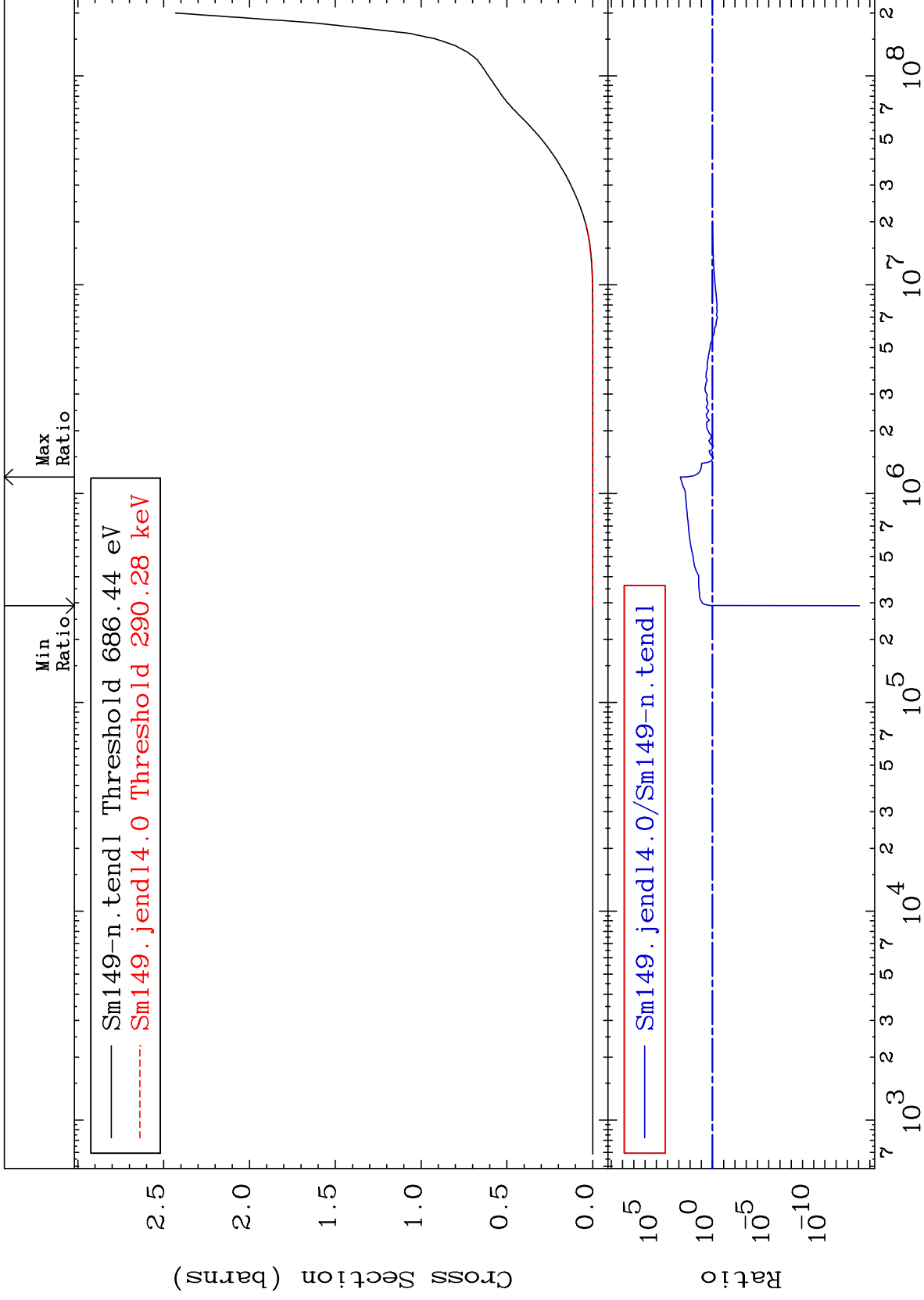
-99.98 To 711.9 %



MAT 6240

Hydrogen Production  
Cross Section

62-Sm-149  
-100.0 To 9999. %

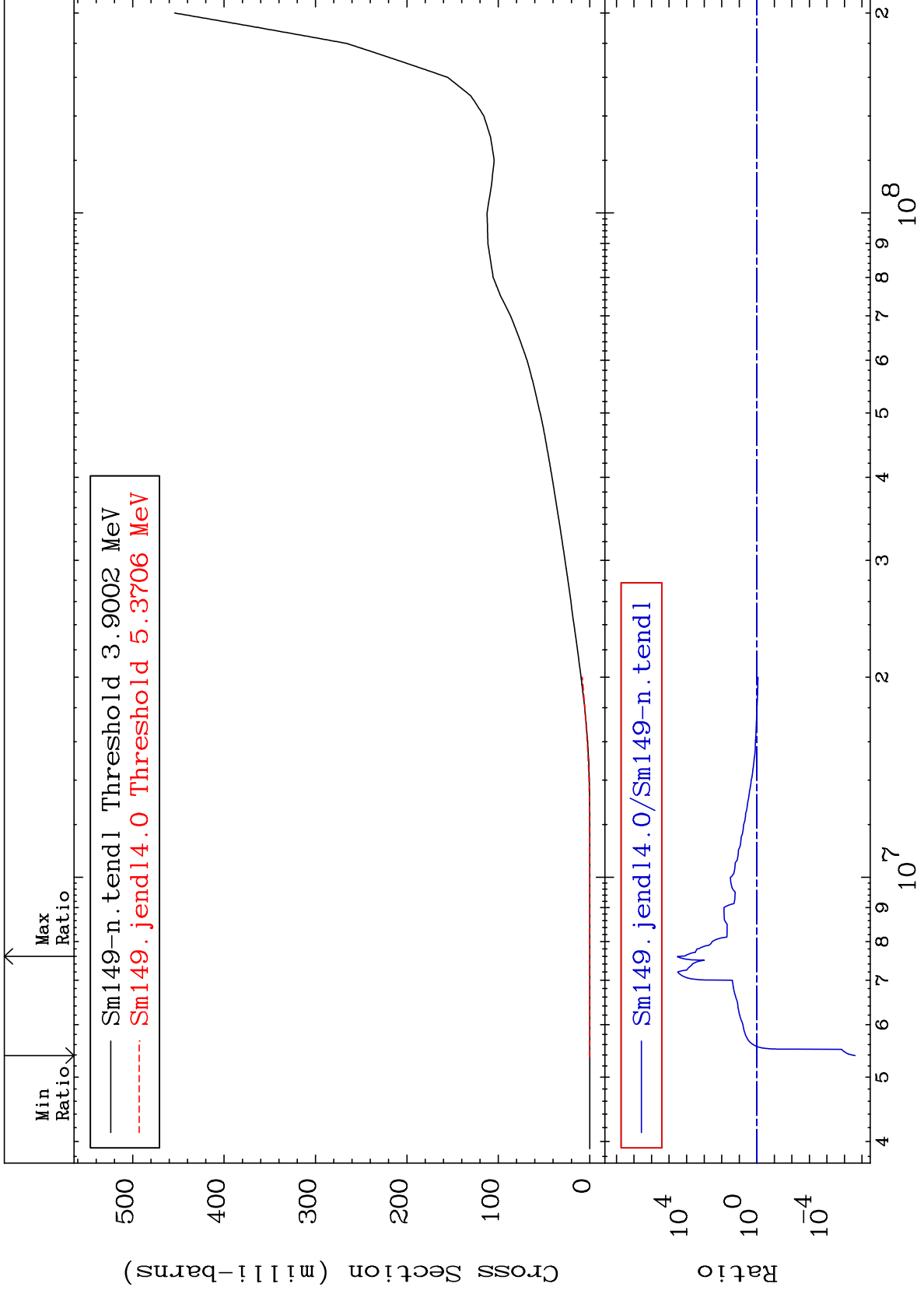




MAT 6240

Deuterium Production  
Cross Section

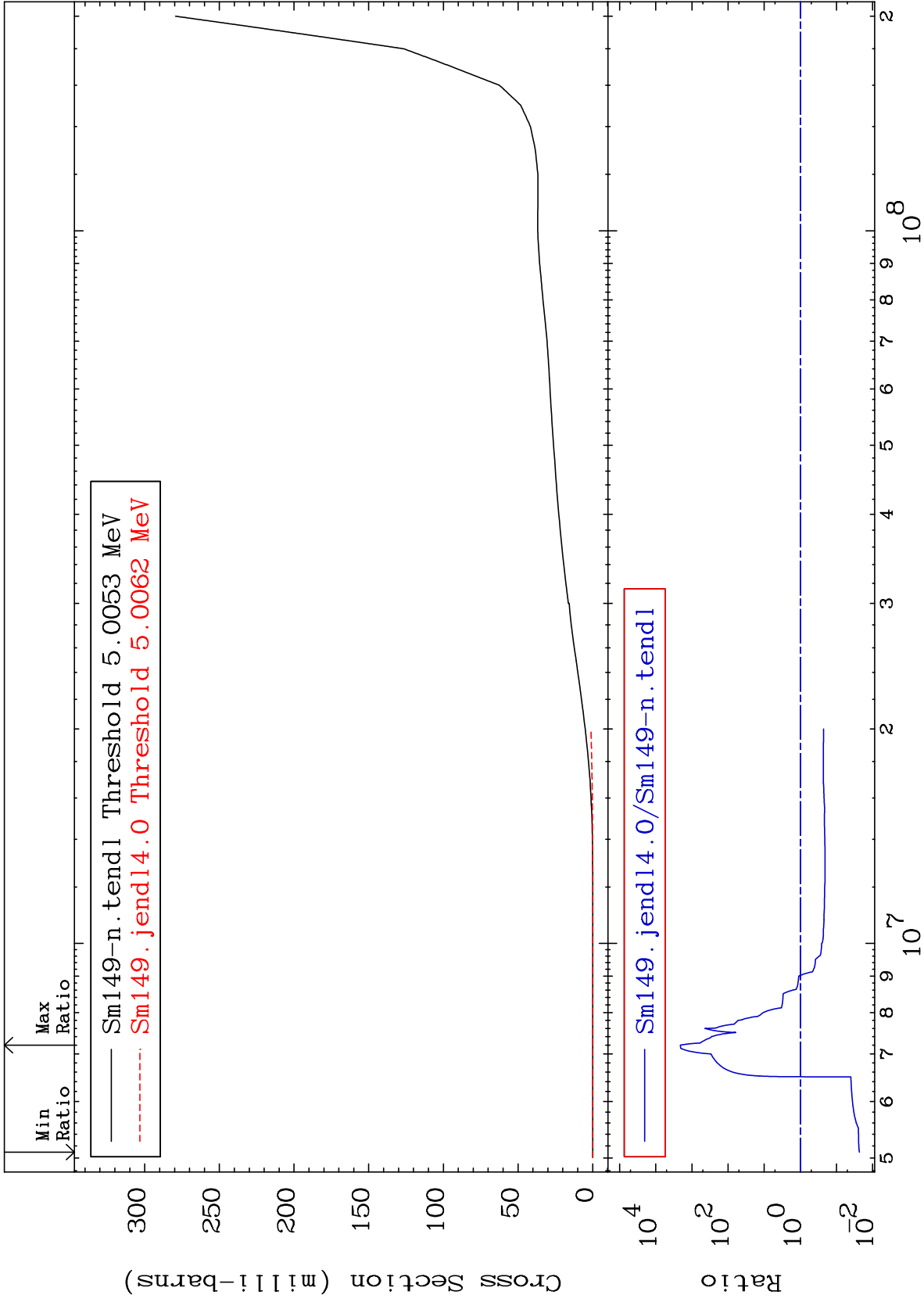
62-Sm-149  
-100.0 To 9999. %



49

Incident Energy (eV)

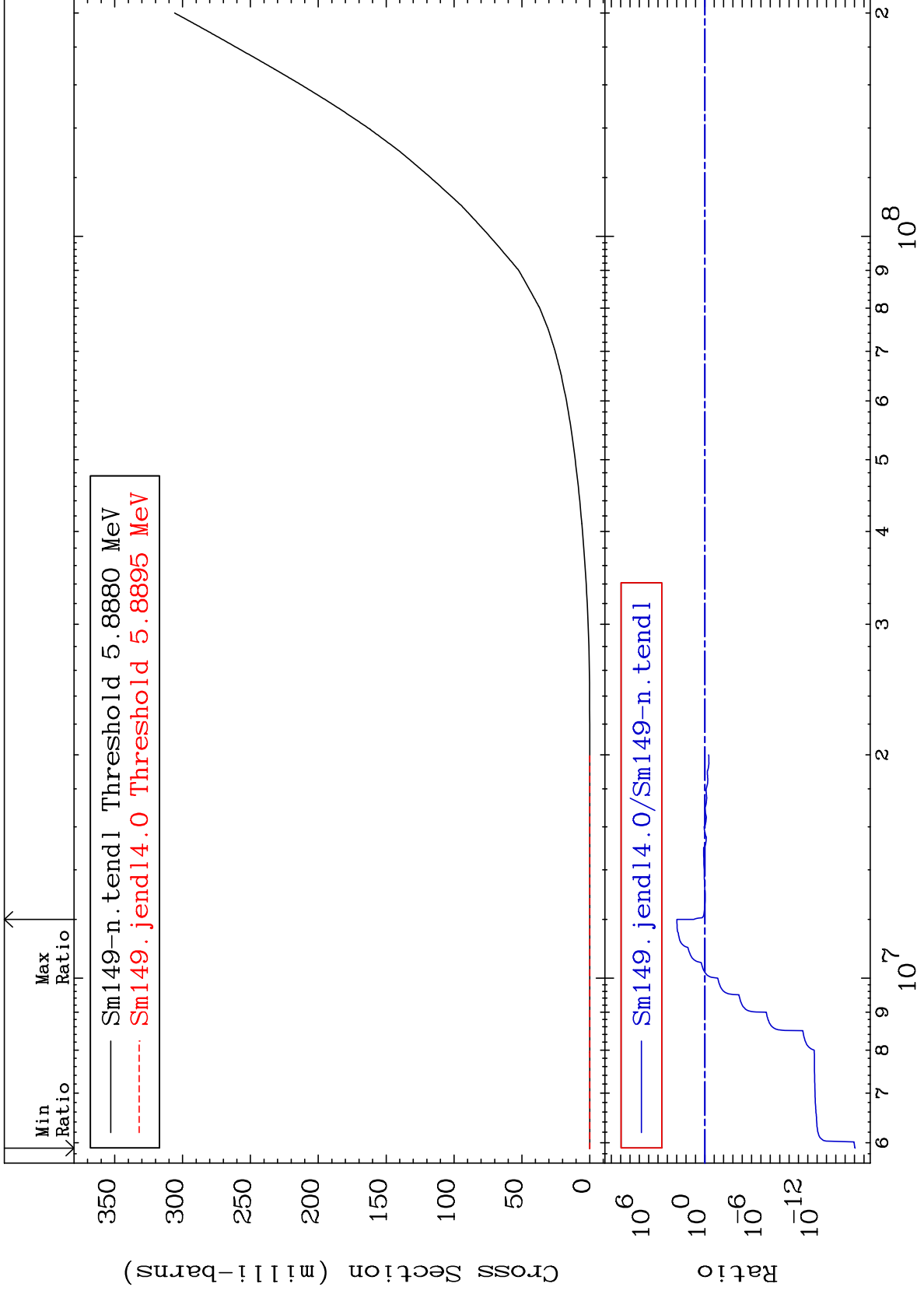
62-Sm-149



MAT 6240

He-3 Production  
Cross Section

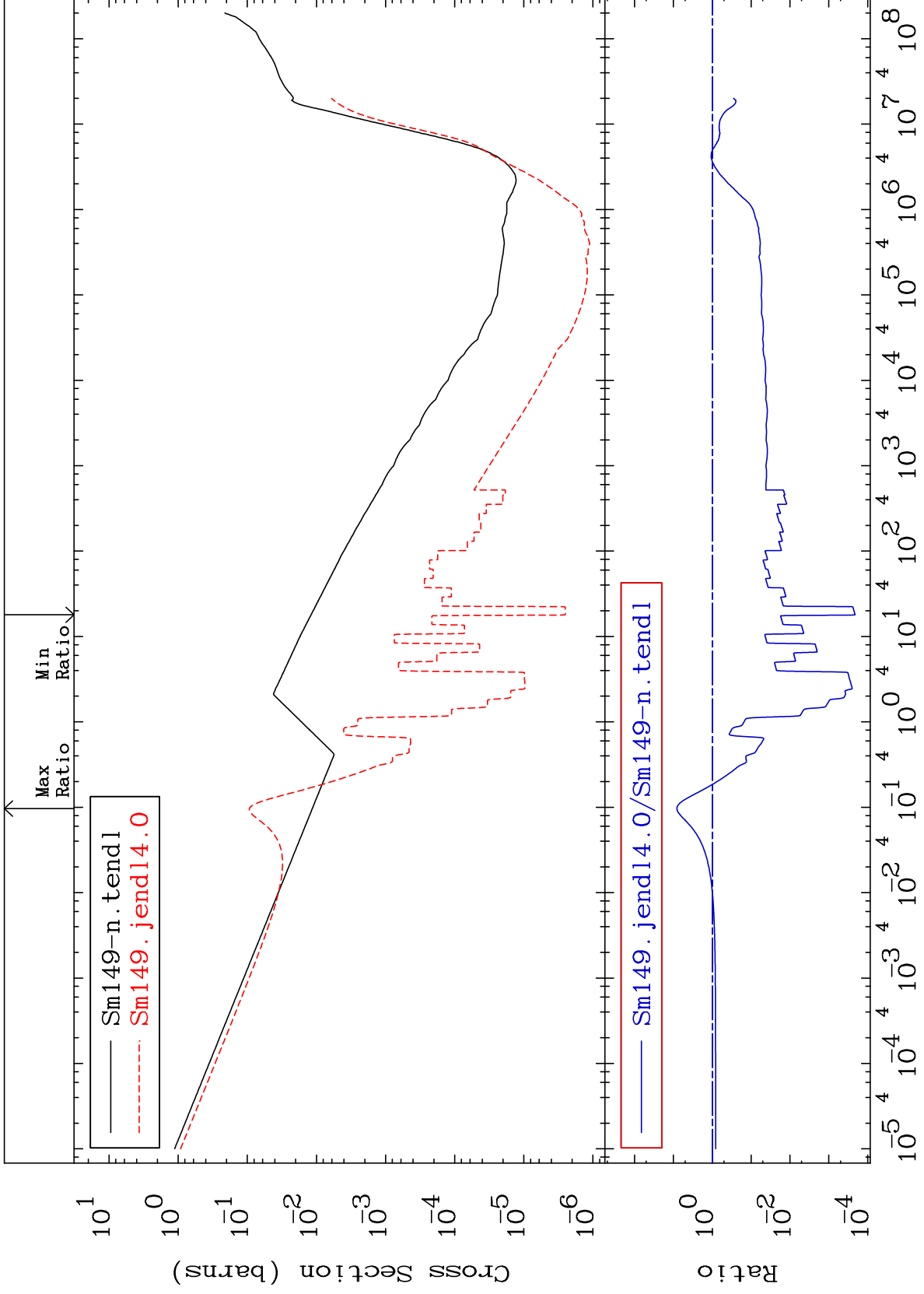
62-Sm-149  
-100.0 To 9999. %



MAT 6240

He-4 Production  
Cross Section

62-Sm-149  
-99.98 To 711.9 %



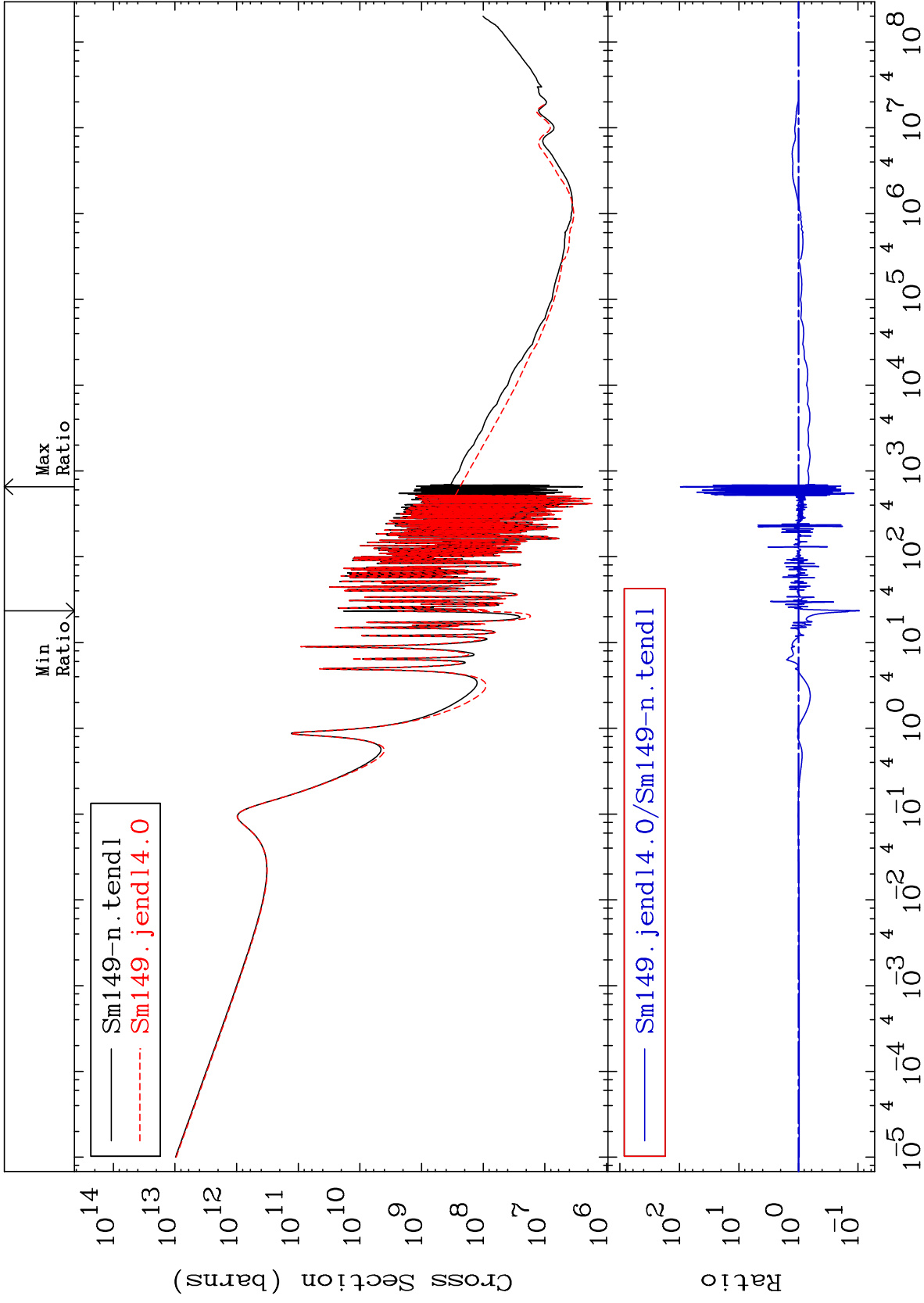
MAT 6240

Kerma total (eV-barns)

62-Sm-149

-90.54 To 9528. %

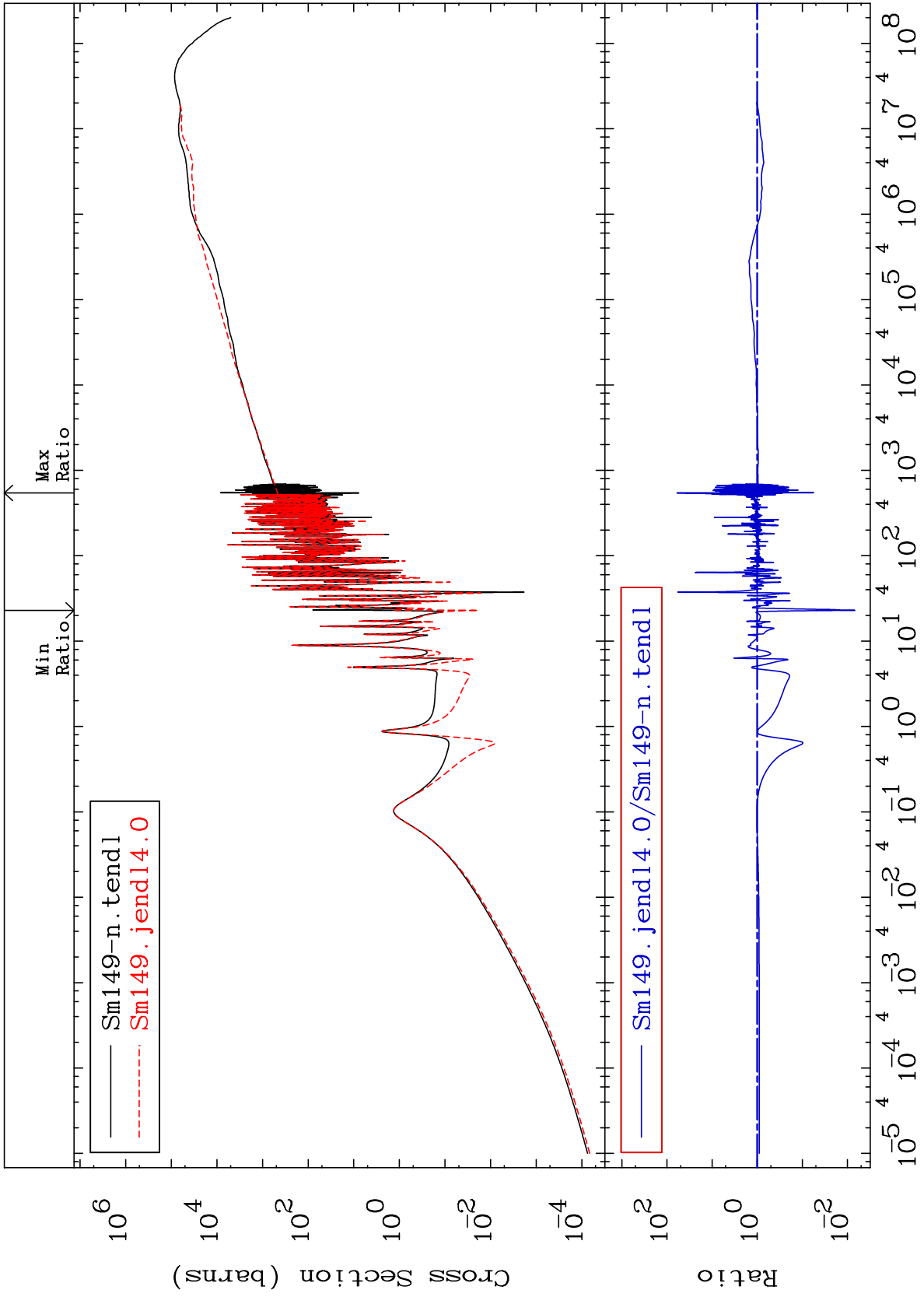
Cross Section



MAT 6240

Kerma elastic  
Cross Section

62-Sm-149  
-99.32 To 5907. %



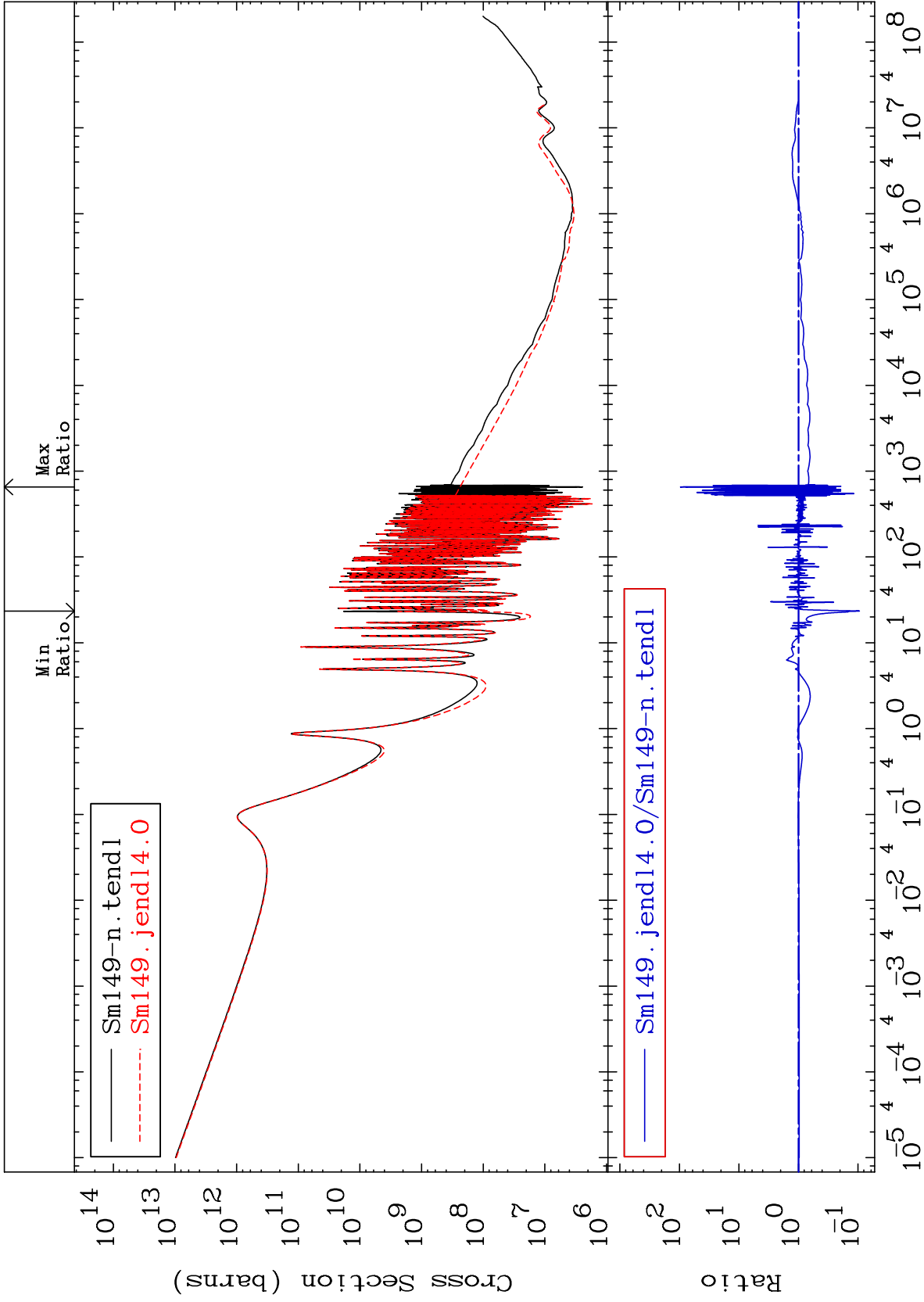
MAT 6240

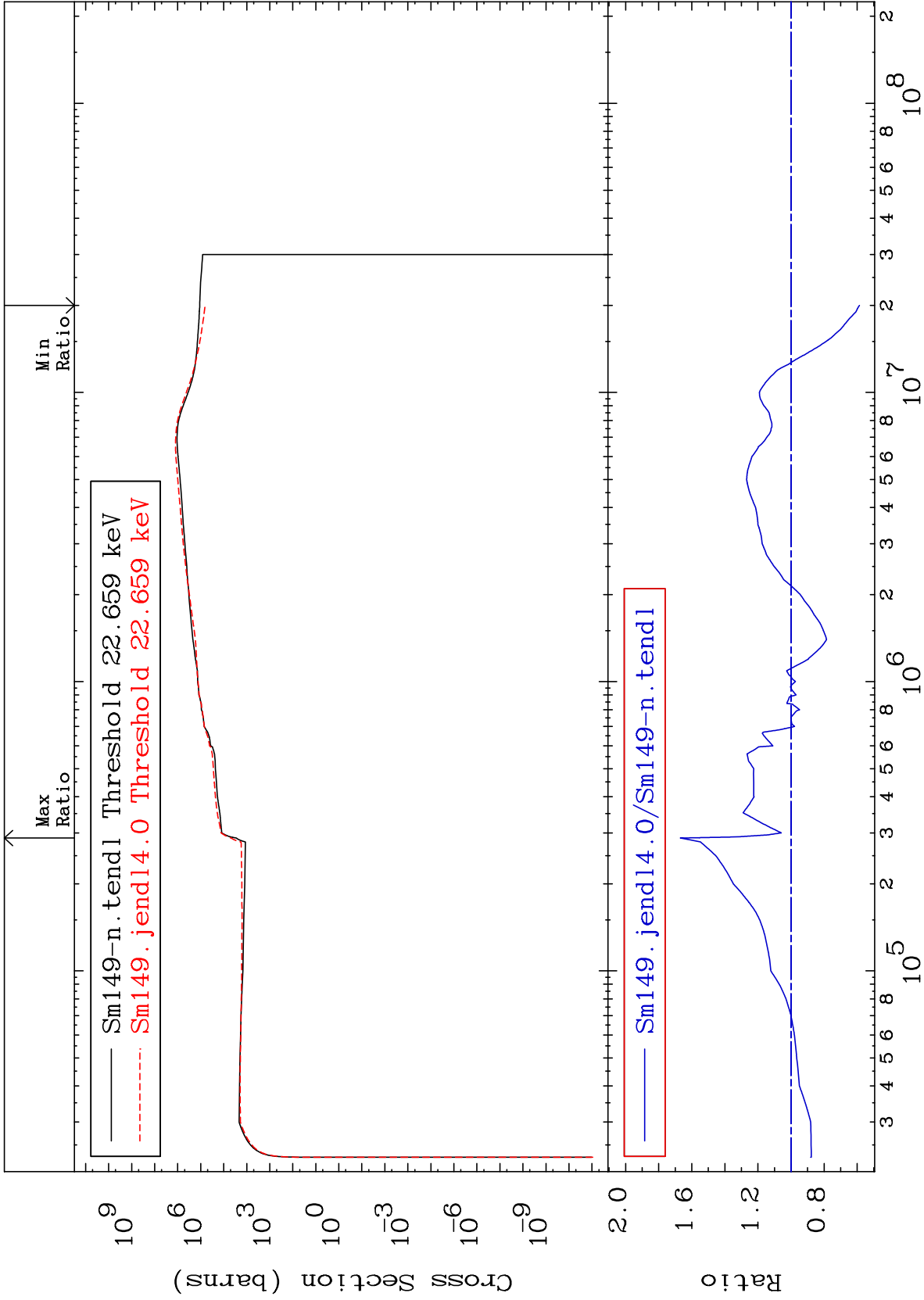
Kerma non-elastic (all but mt2)

62-Sm-149

-90.54 To 9529. %

Cross Section



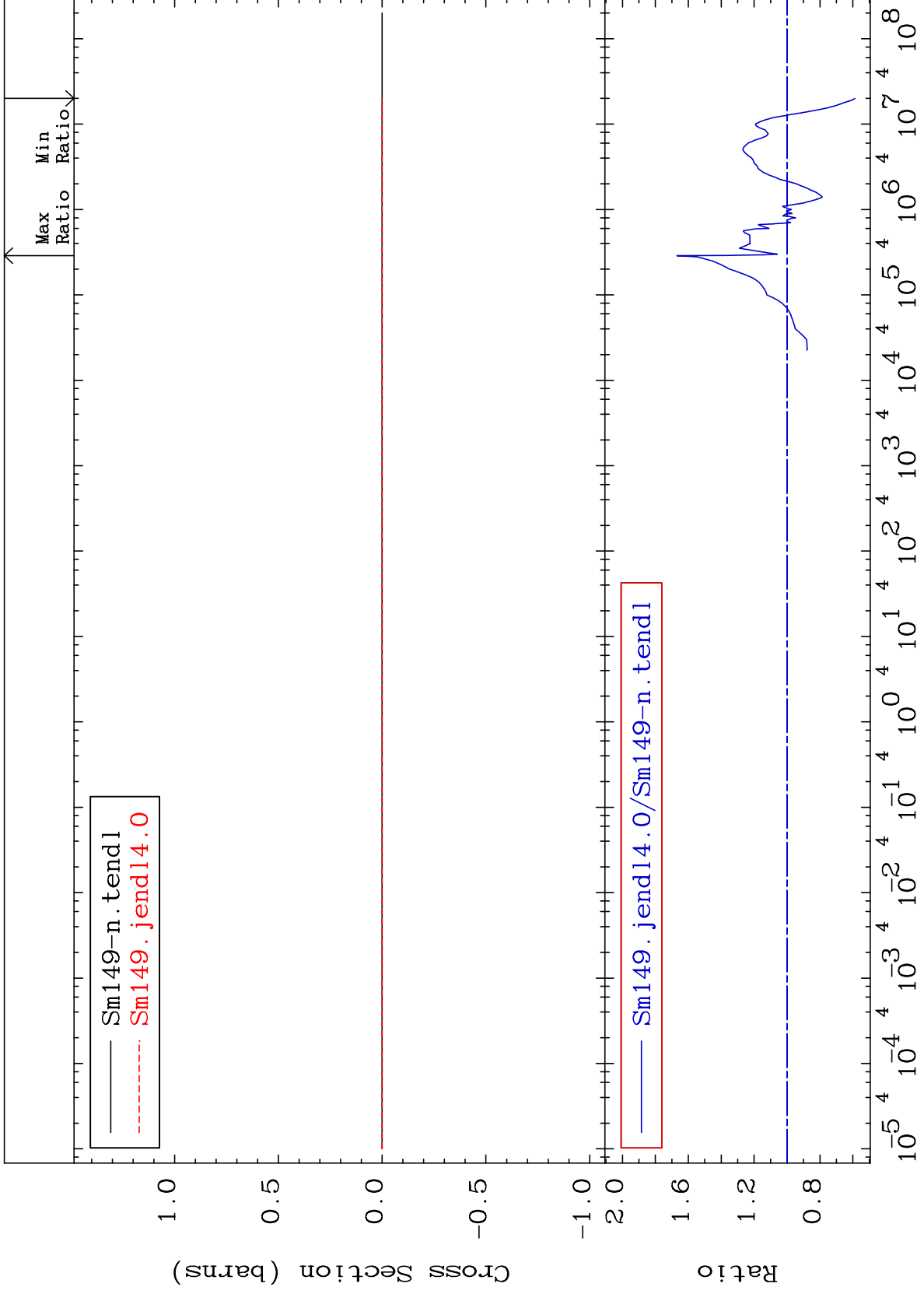




MAT 6240

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

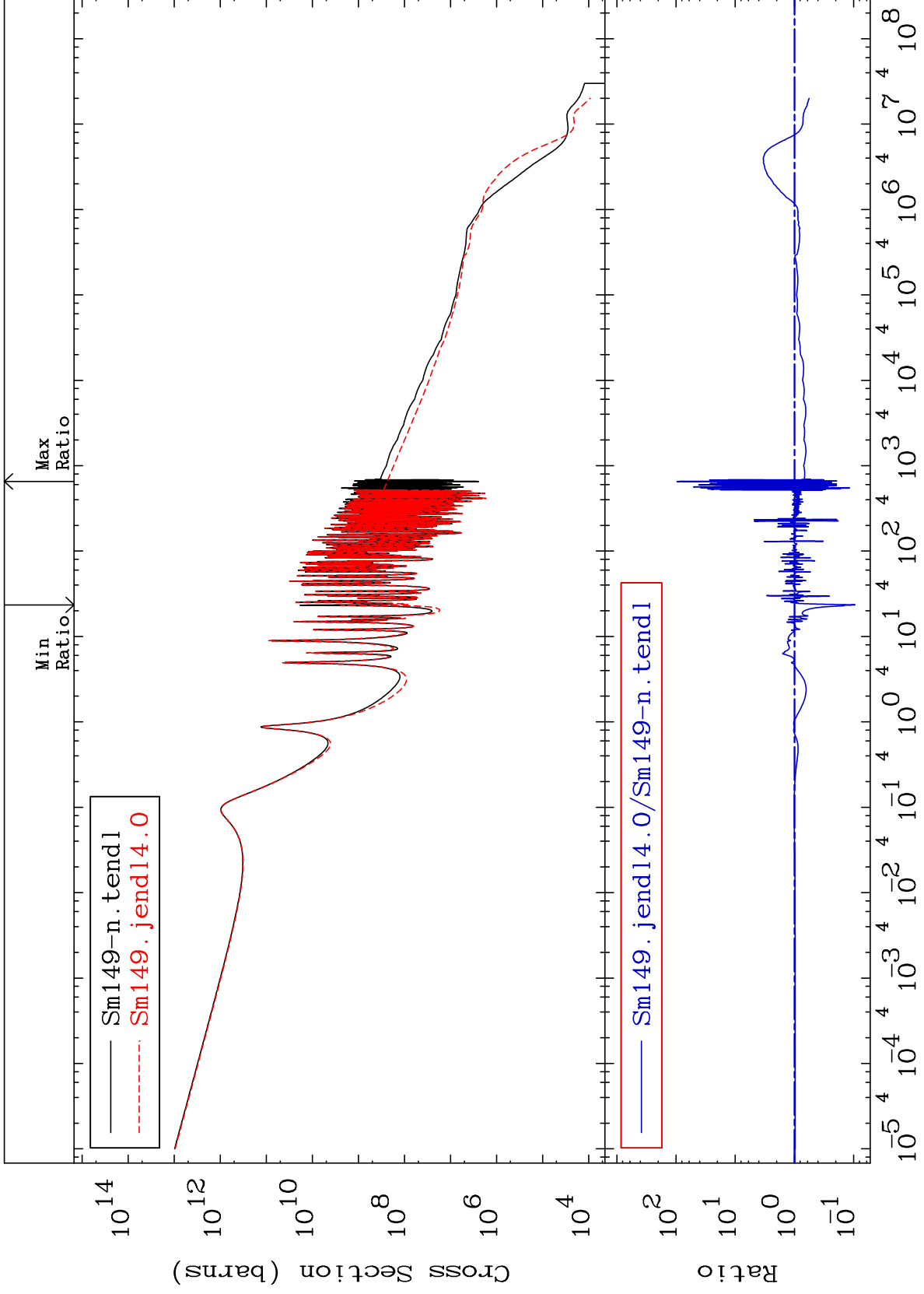
62-Sm-149  
-41.35 To 66.91 %



MAT 6240

Kerma capture (mt102)  
Cross Section

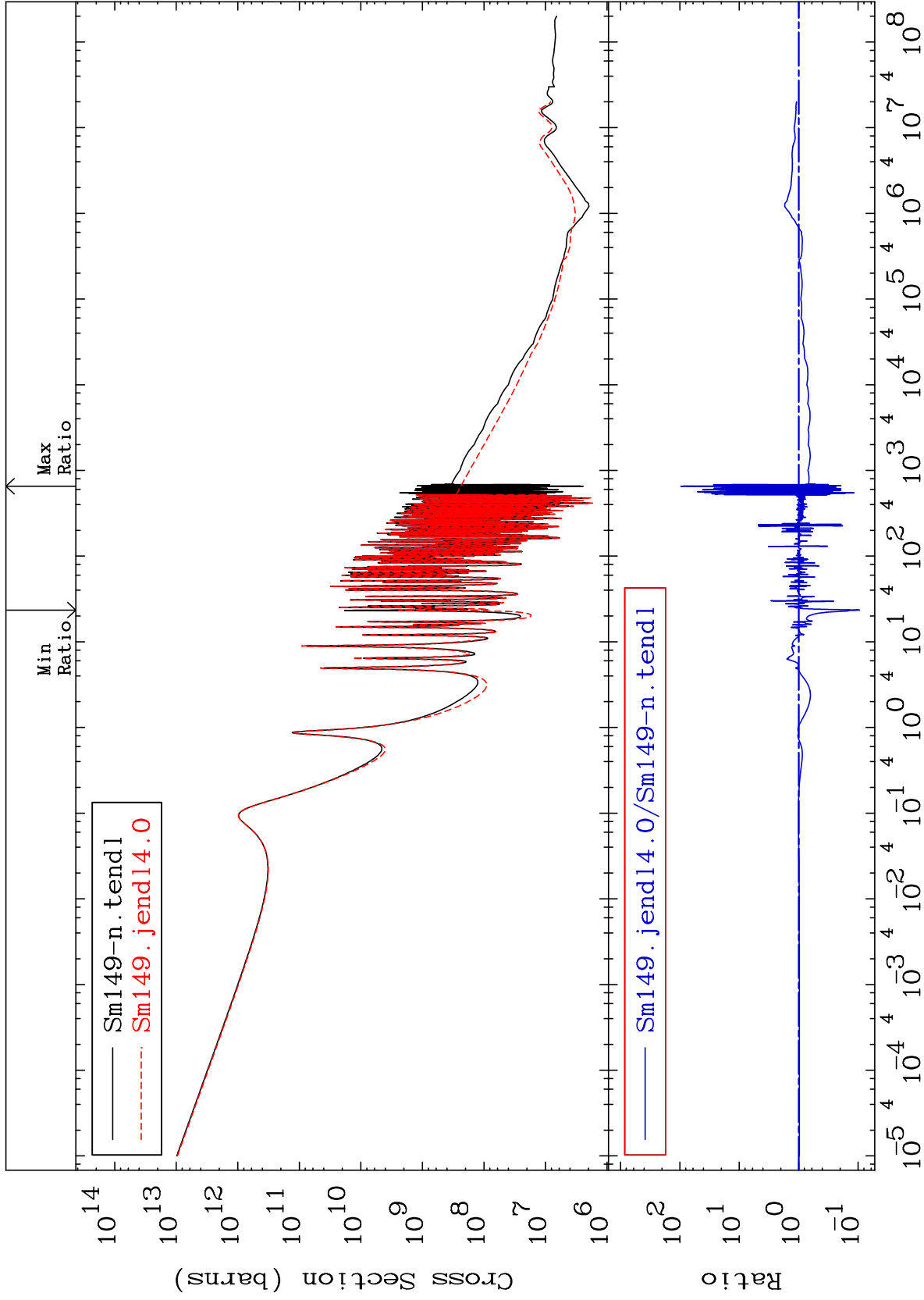
62-Sm-149  
-90.54 To 9568. %



MAT 6240

Total photon (eV-barns)  
Cross Section

62-Sm-149  
-90.54 To 9560. %



59

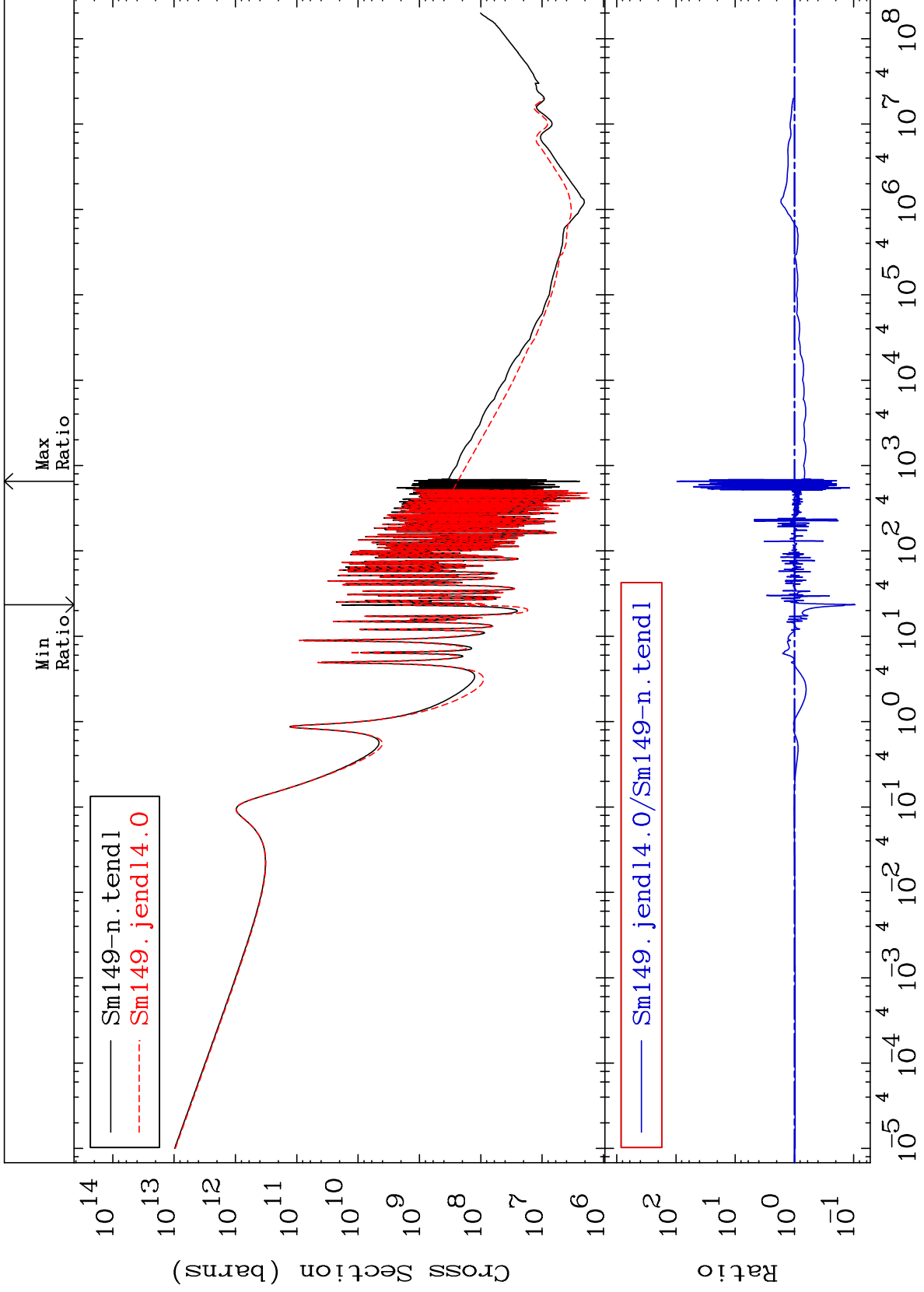
Incident Energy (eV)

62-Sm-149

MAT 6240

Total kinematic kerma (high limit)

62-Sm-149  
-90.54 To 9528. %



60

62-Sm-149

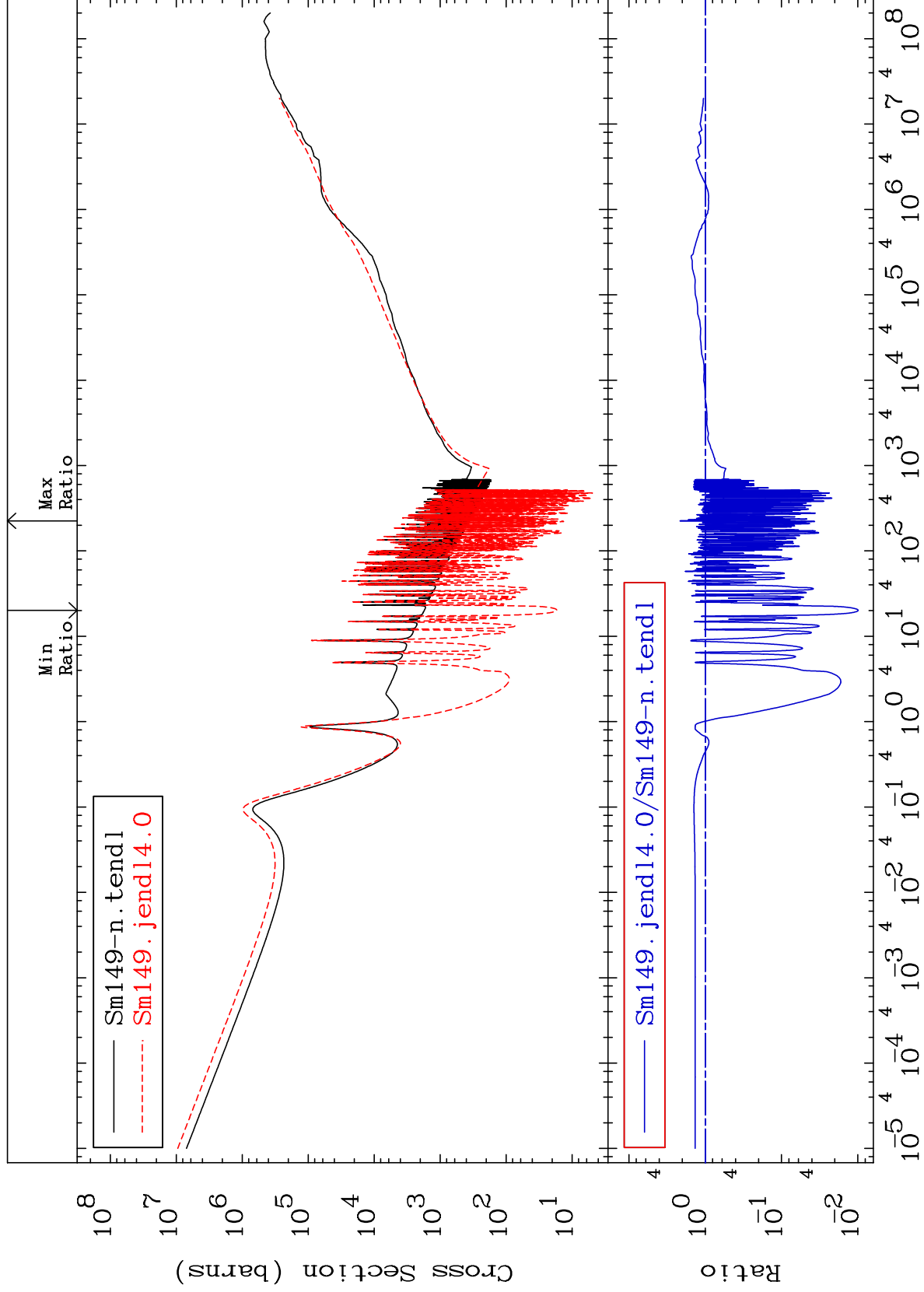
MAT 6240

Dpa total (eV-barns)

62-Sm-149

-99.01 To 113.8 %

Cross Section



61

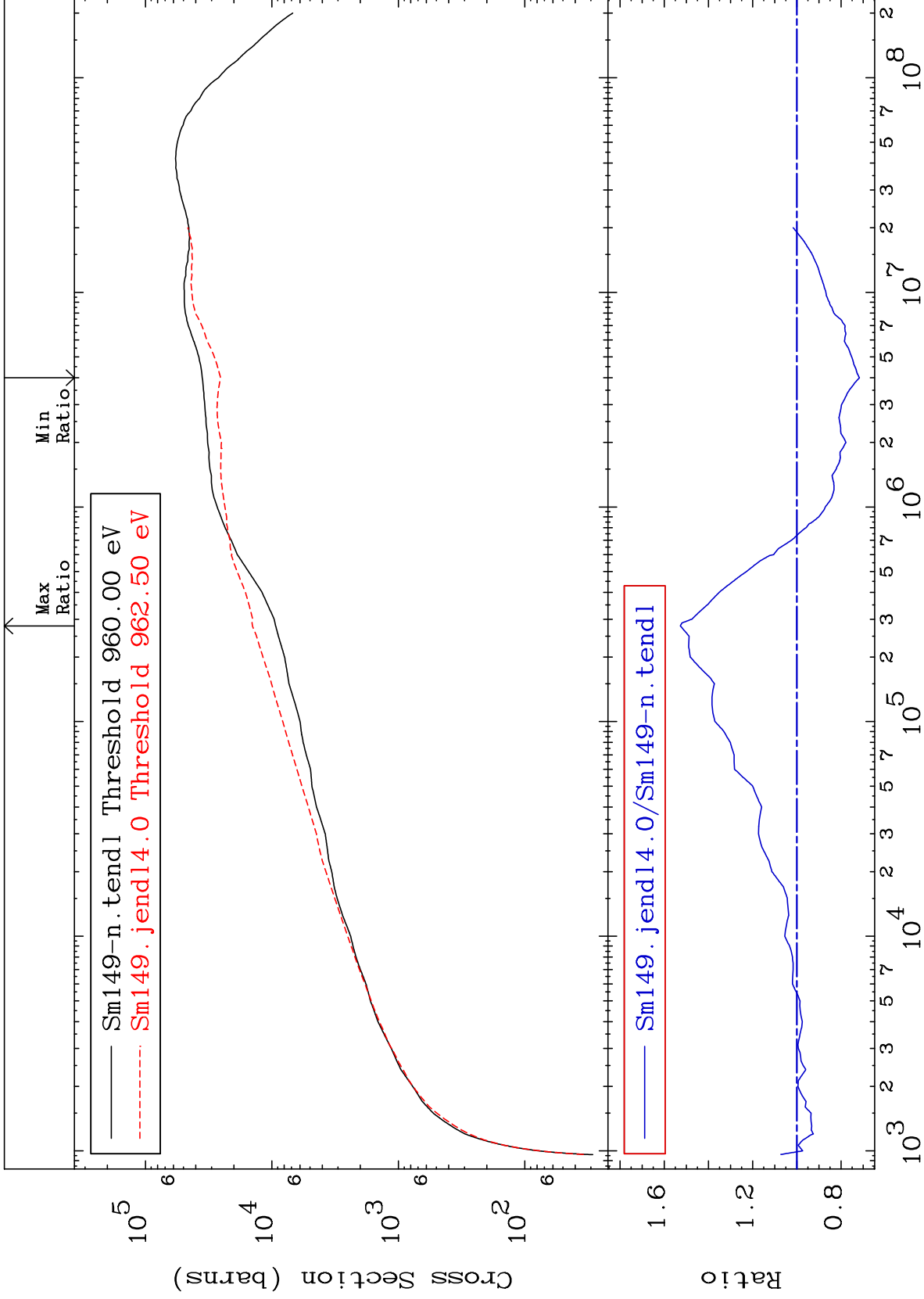
Incident Energy (eV)

62-Sm-149

MAT 6240

Dpa elastic (mt2)  
Cross Section

62-Sm-149  
-28.30 To 52.71 %



62

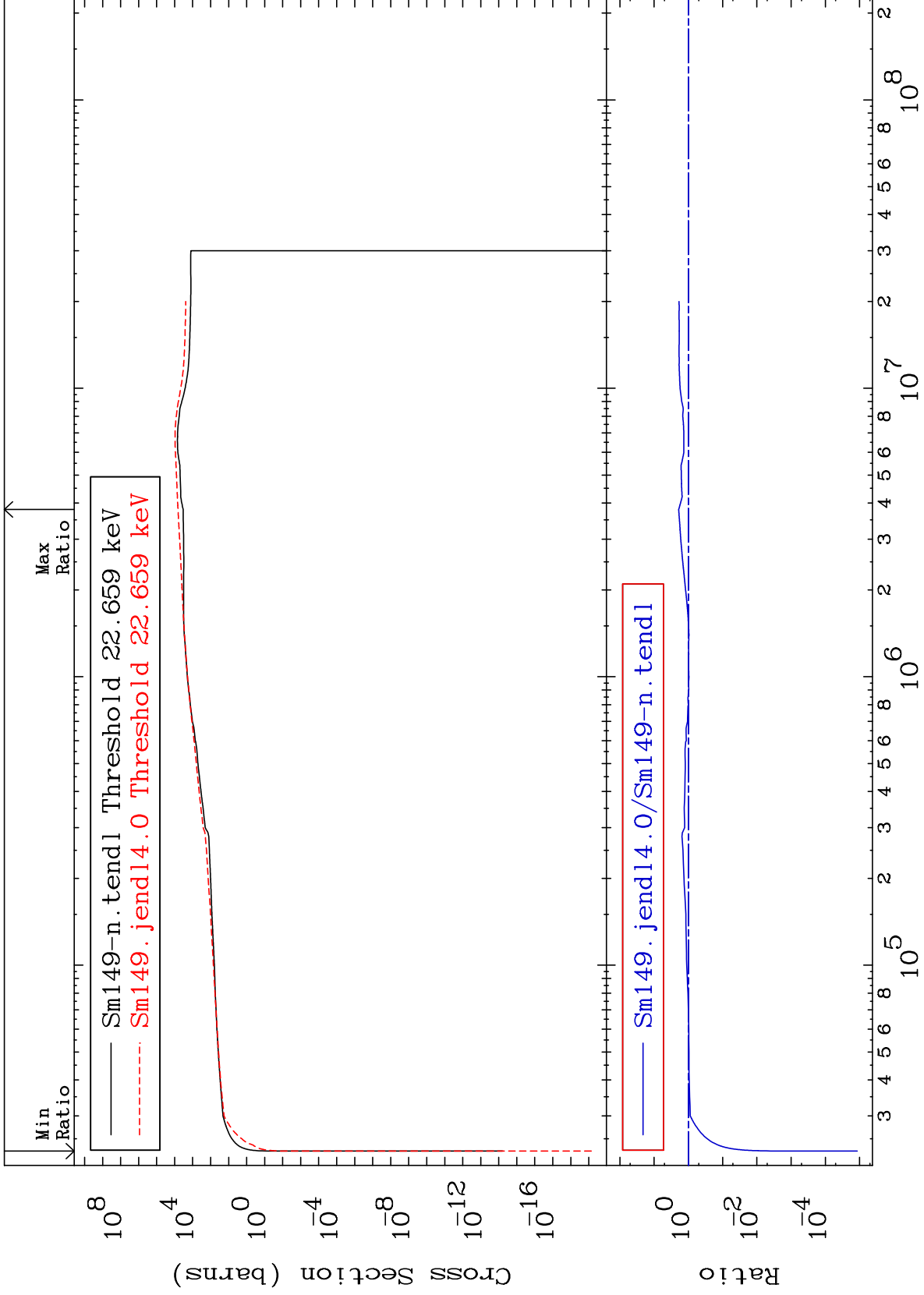
Incident Energy (eV)

62-Sm-149

MAT 6240

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-149  
-100.0 To 92.74 %



MAT 6240

Dpa disappearance (mt102 -120)  
Cross Section

62-Sm-149  
-99.01 To 113.8 %

