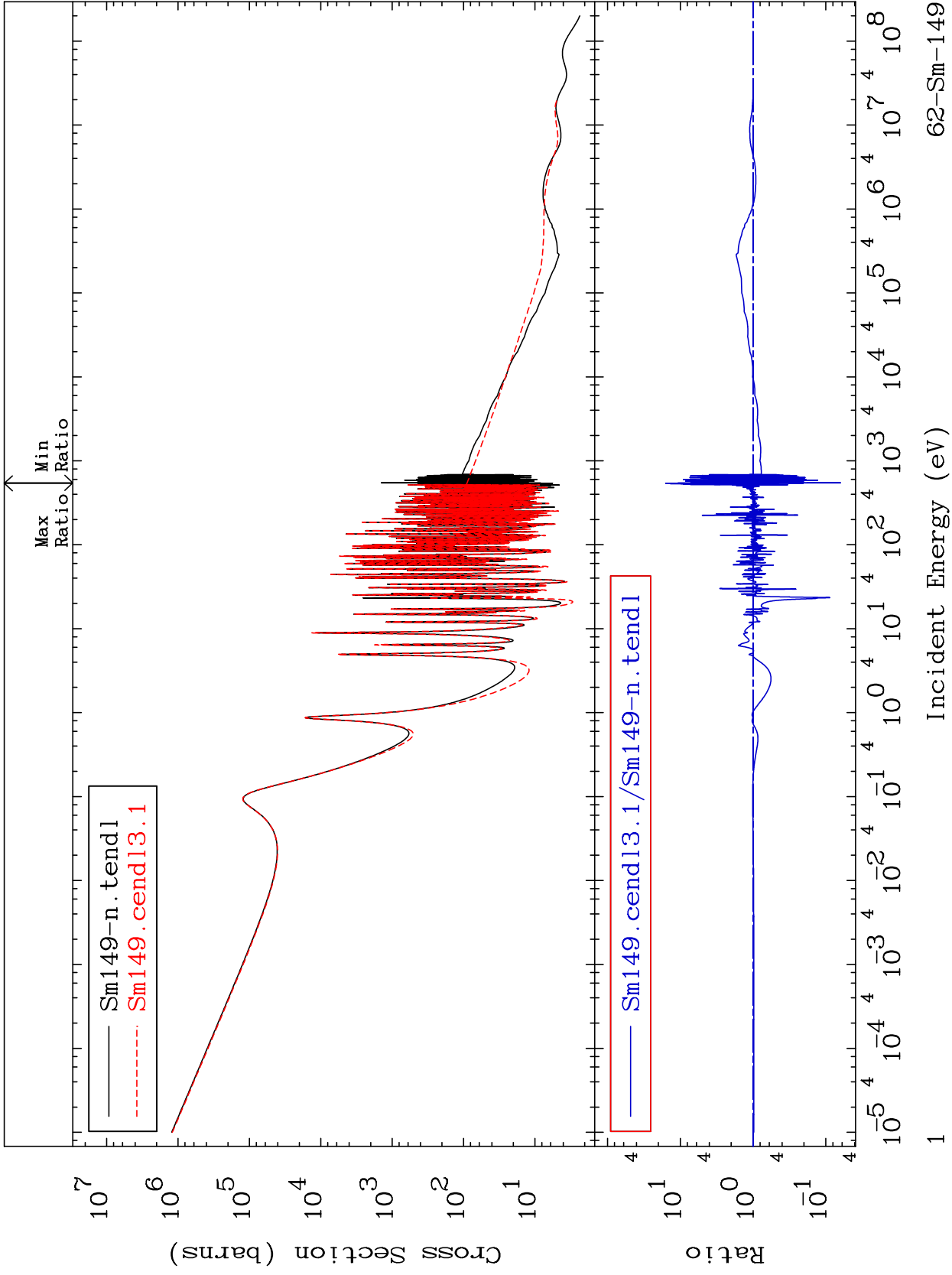


MAT 6240

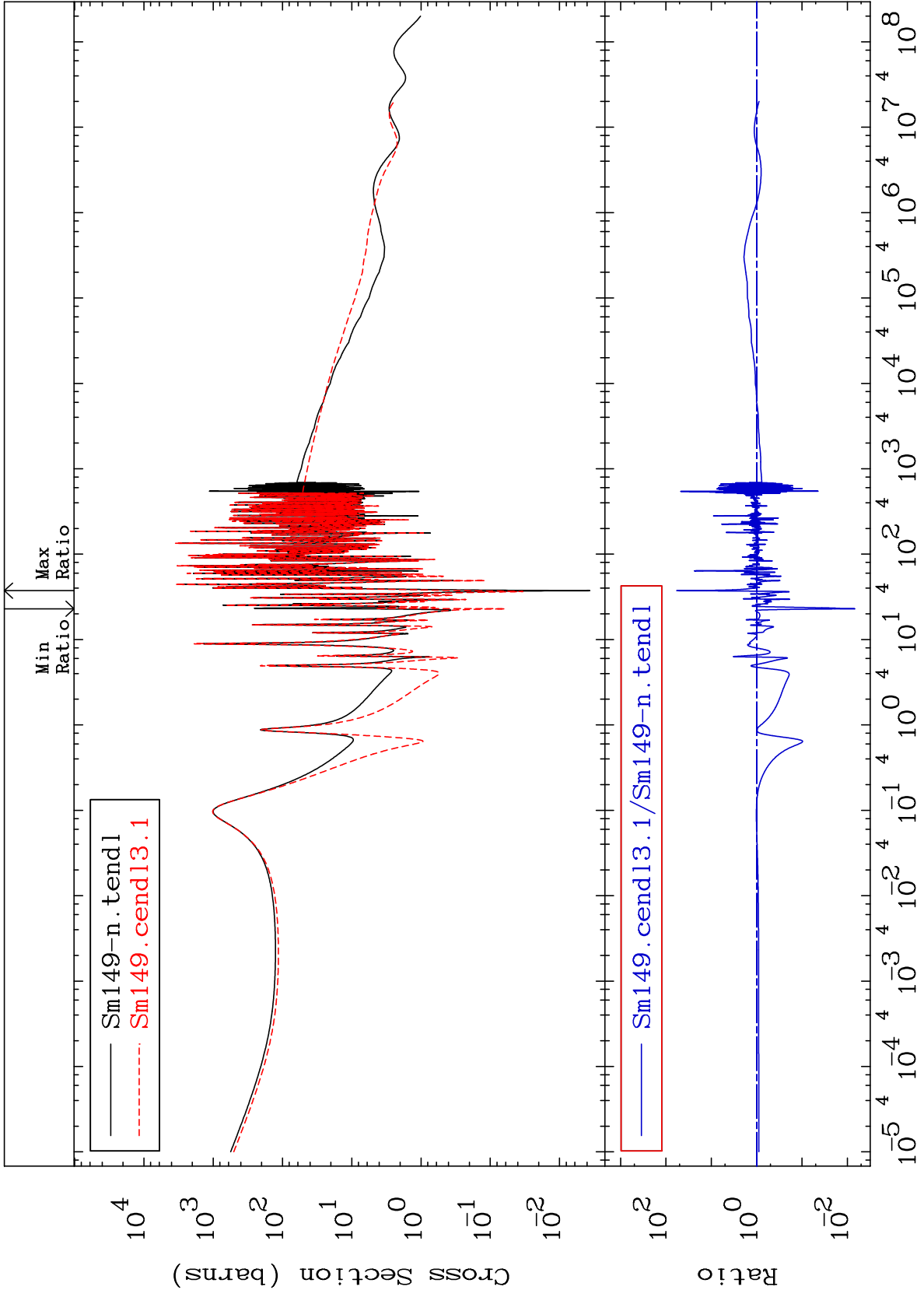
Total Cross Section
62-Sm-149
-93.74 To 1495. %

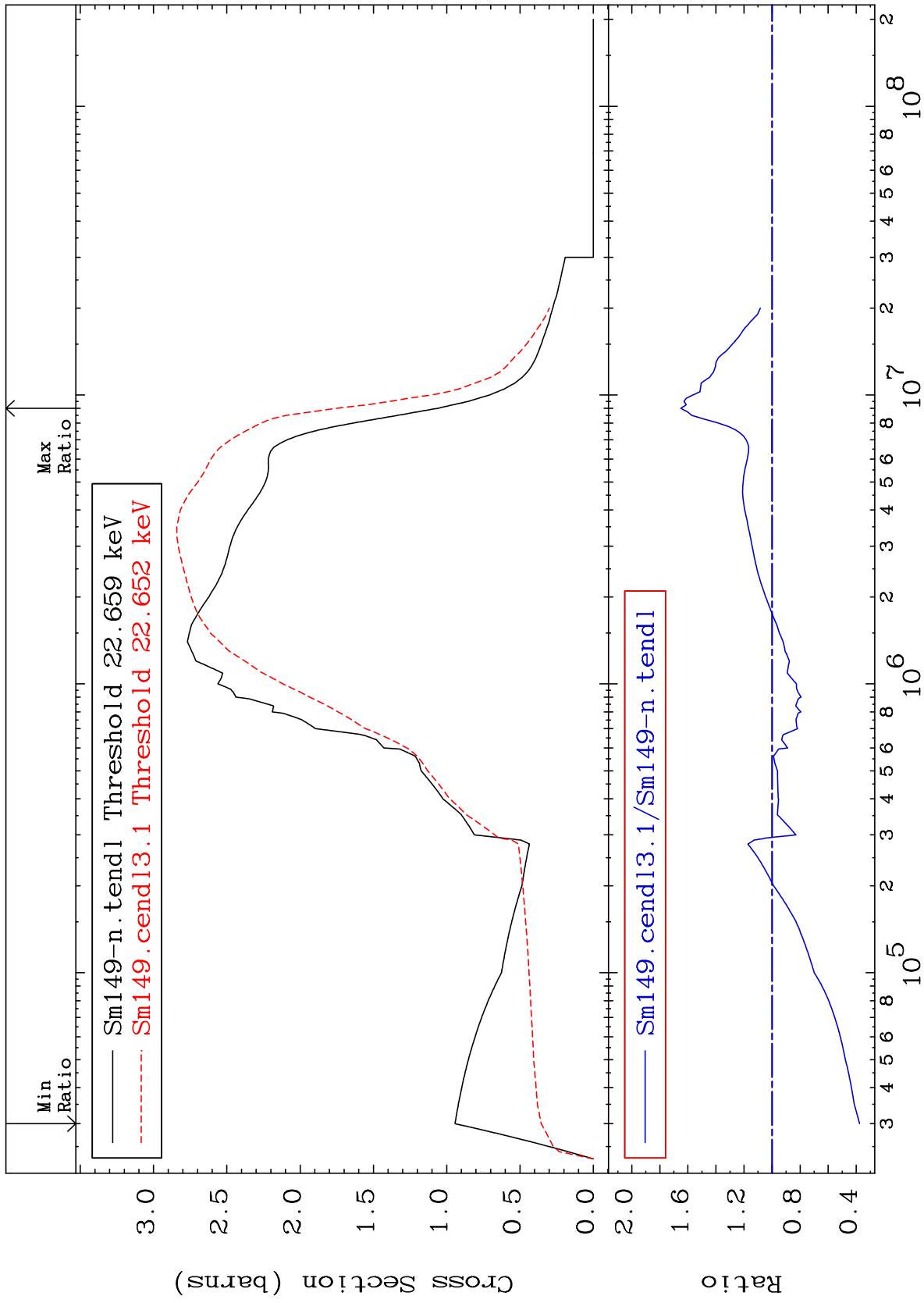


MAT 6240

Elastic
Cross Section

62-Sm-149
-99.32 To 5634. %





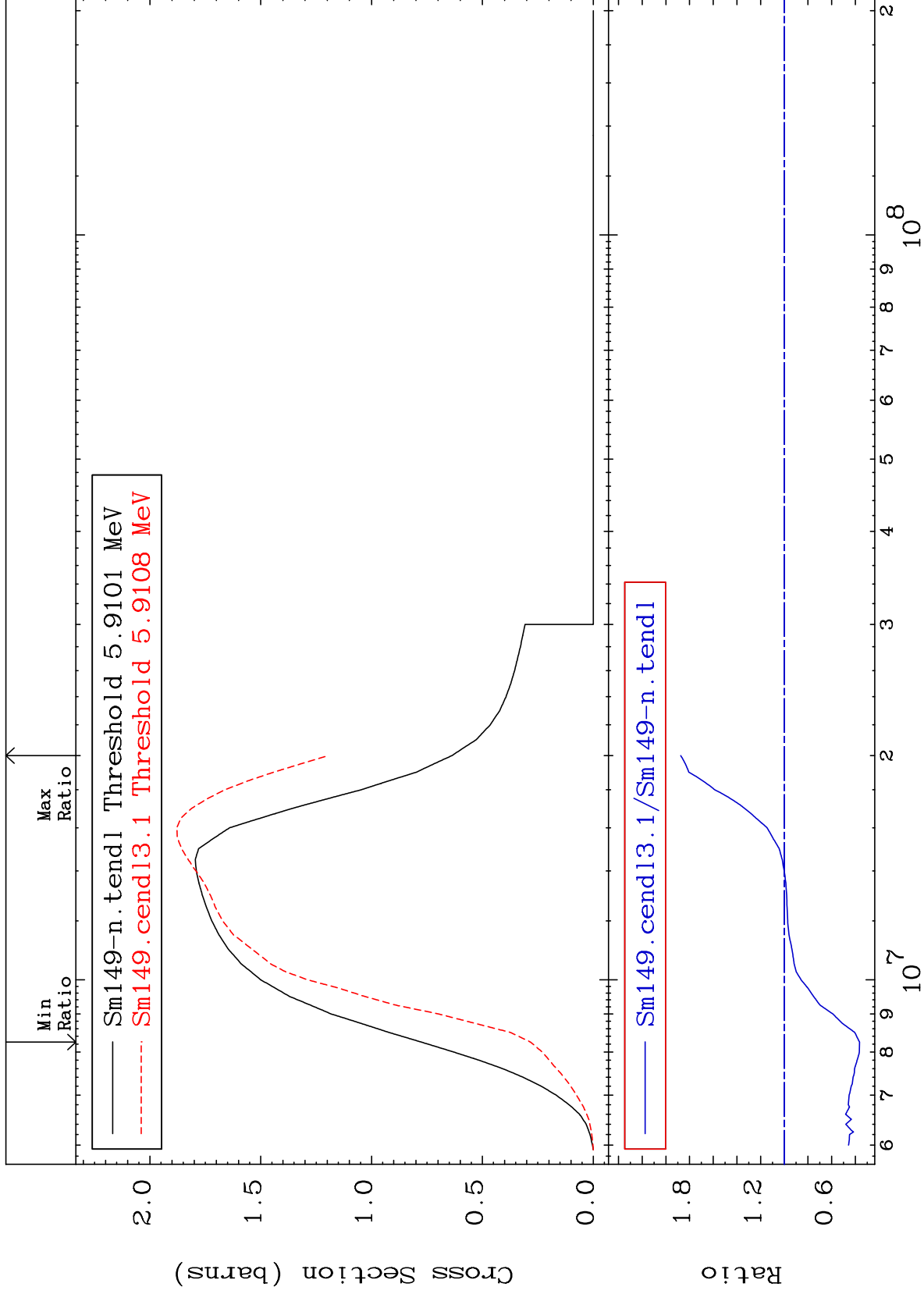
MAT 6240

(n,2n)

62-Sm-149

Cross Section

-63.54 To 87.42 %



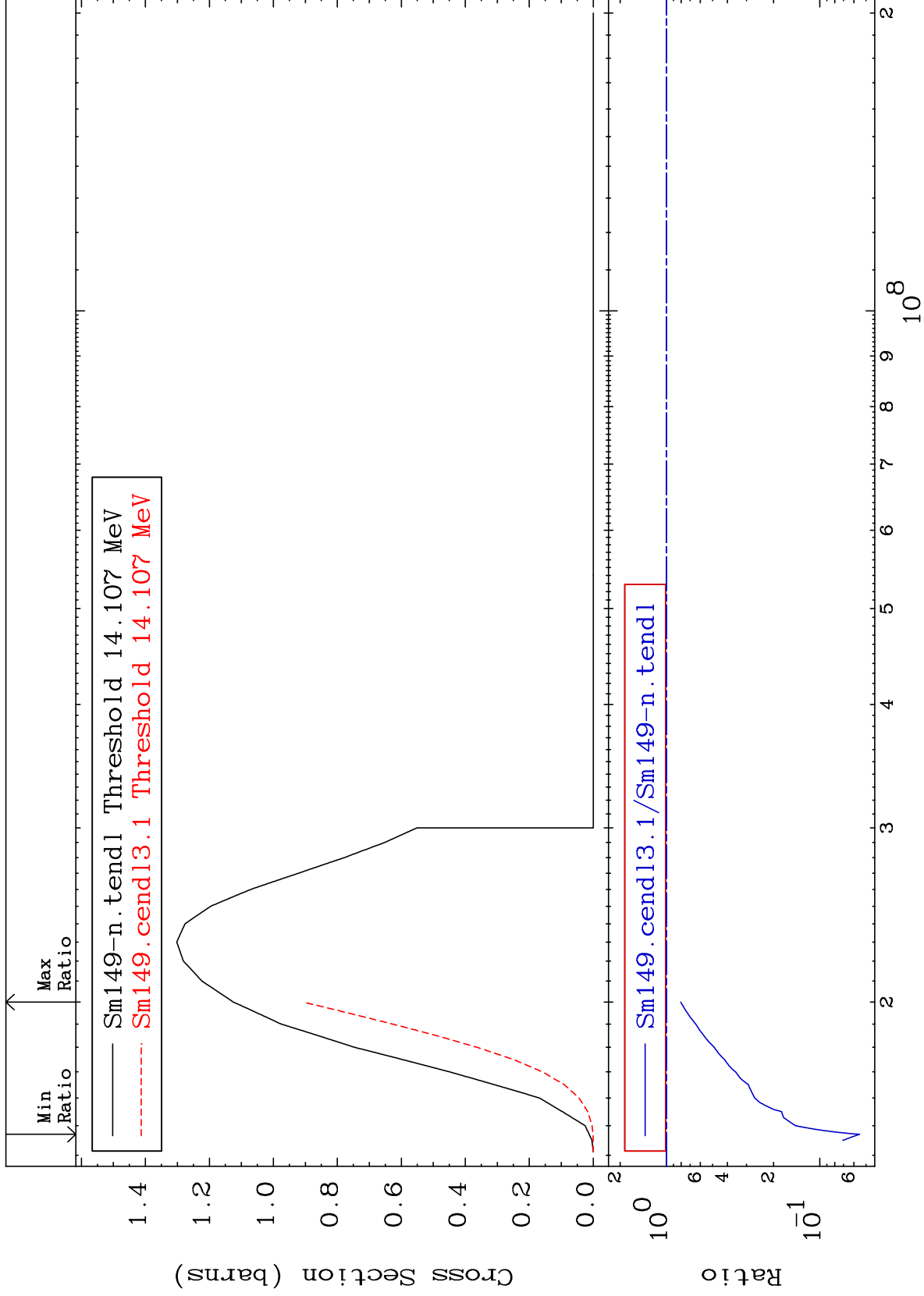
MAT 6240

(n,3n)

62-Sm-149

Cross Section

-94.49 To -19.47%



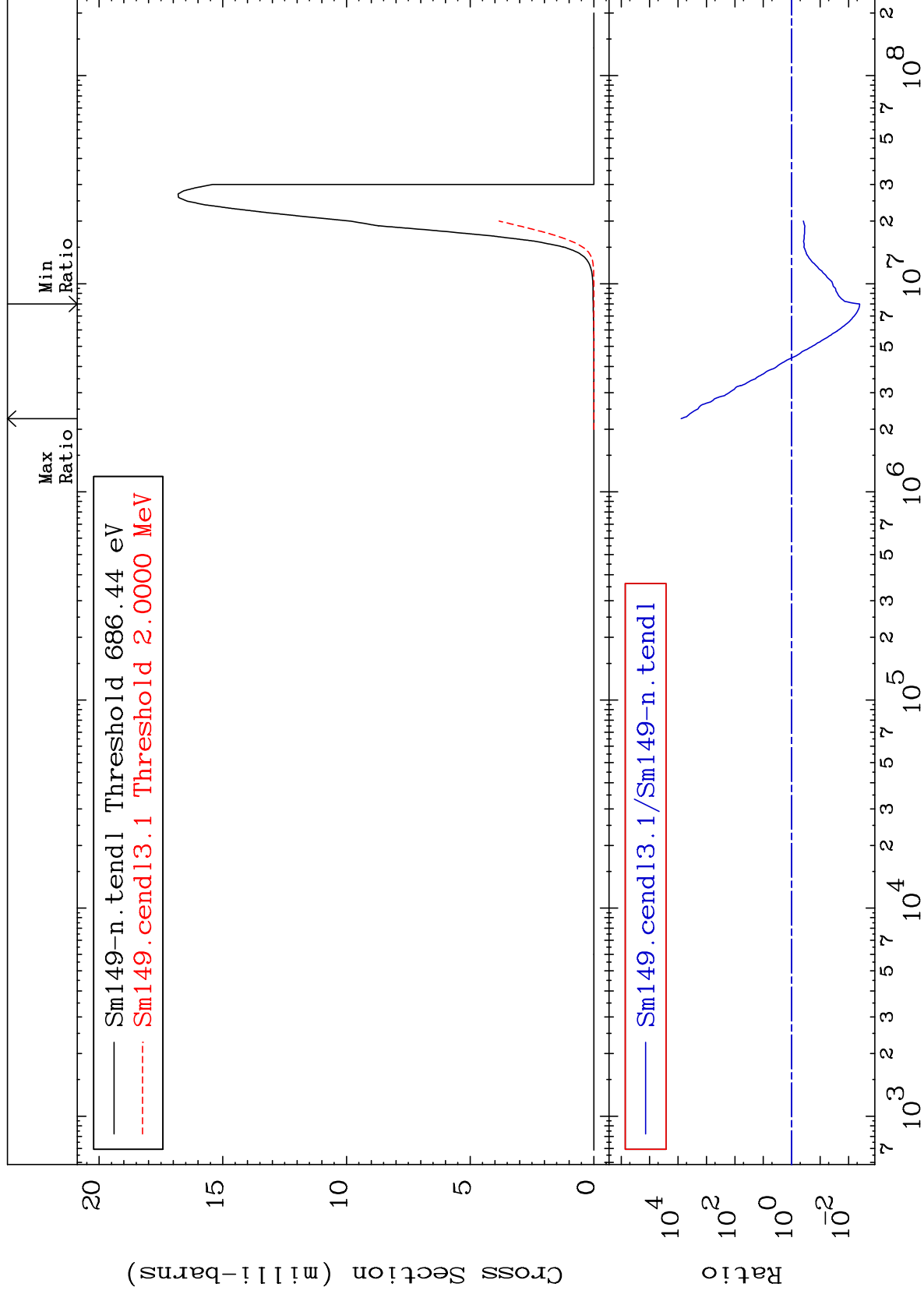
MAT 6240

(n, n') α

Cross Section

62-Sm-149

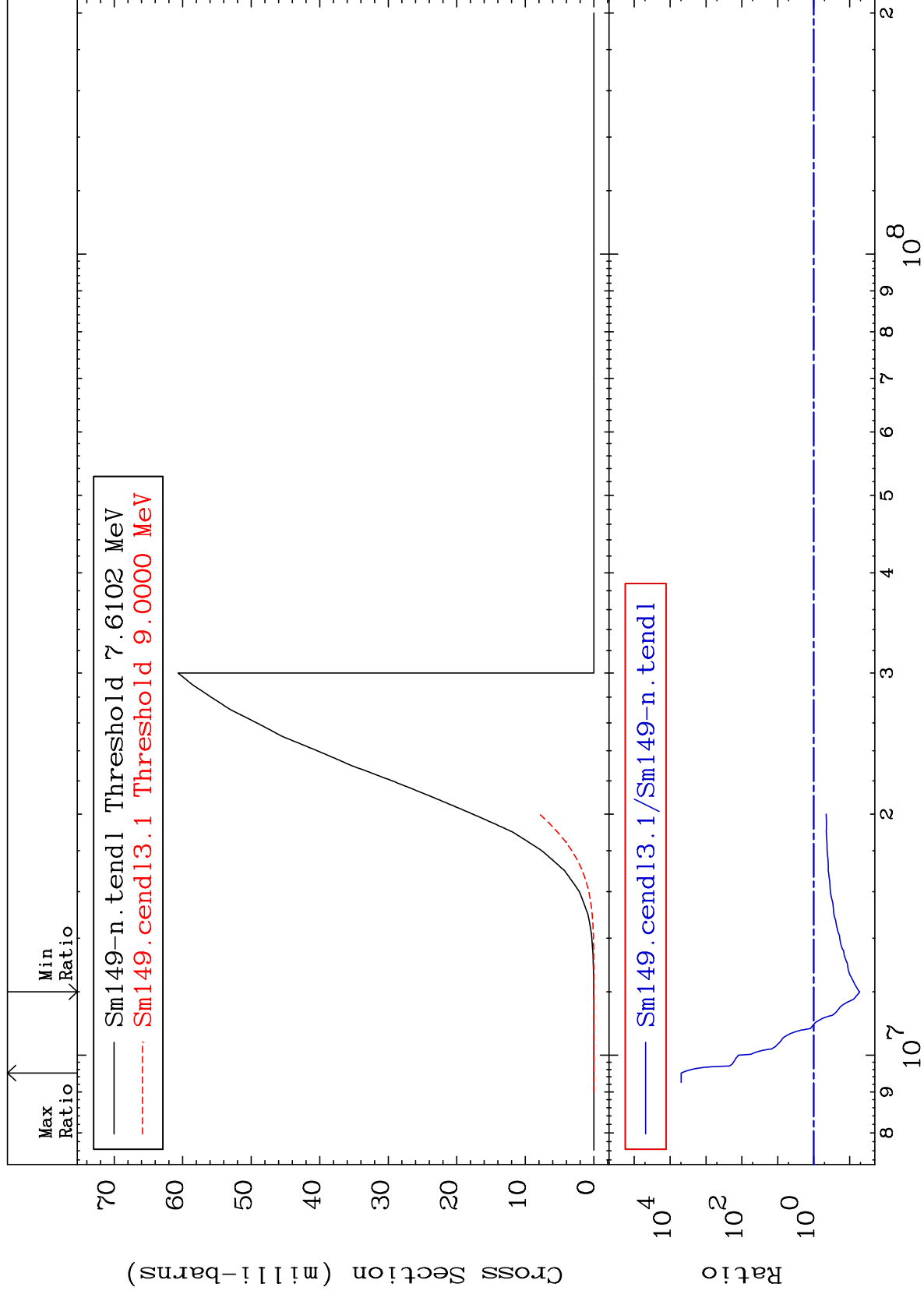
-99.59 To 9999. %



MAT 6240

(n,n') p
Cross Section

62-Sm-149
-94.74 To 9999. %



7

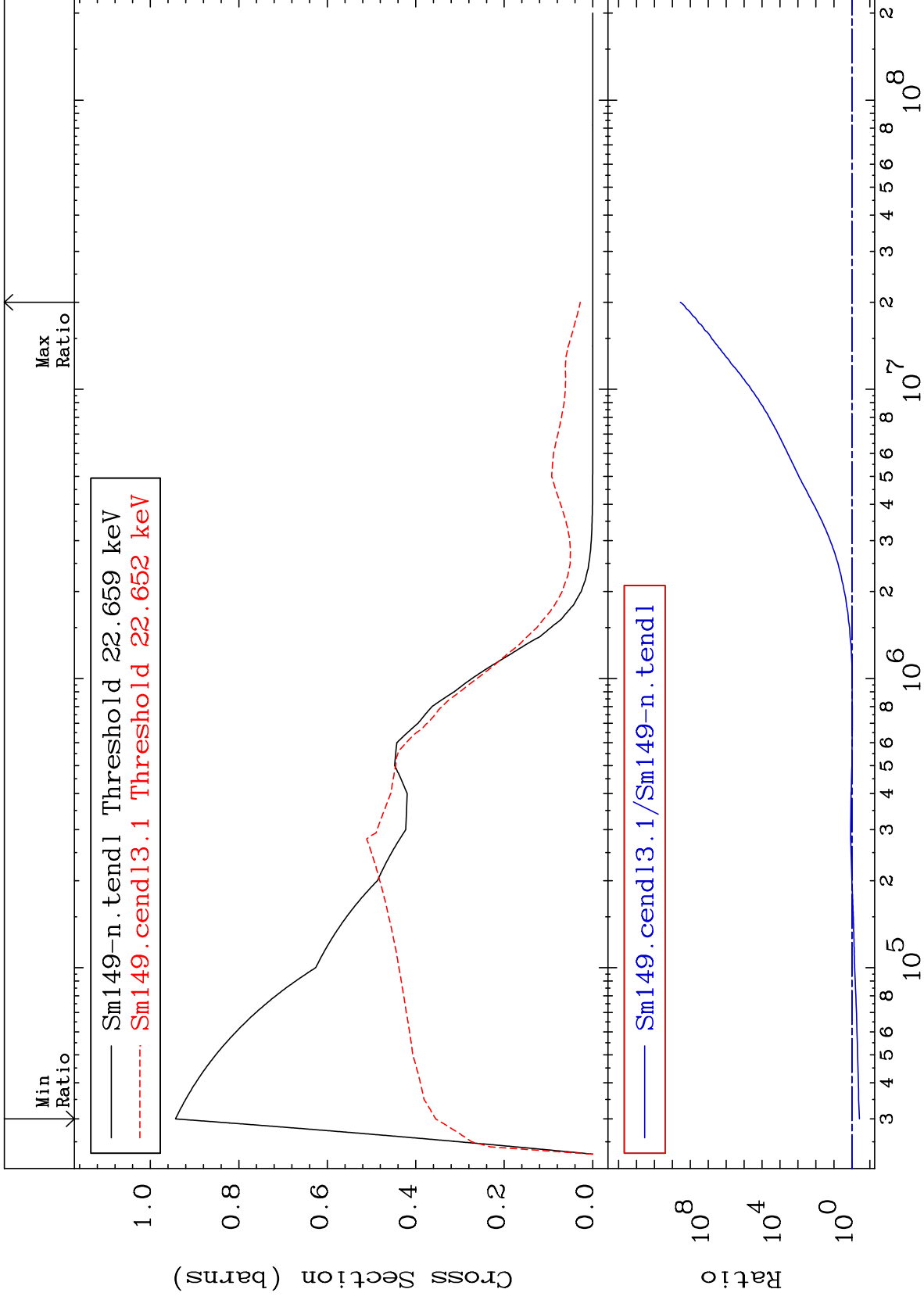
Incident Energy (eV)

62-Sm-149

MAT 6240

22.51 keV (n,n') Level
Cross Section

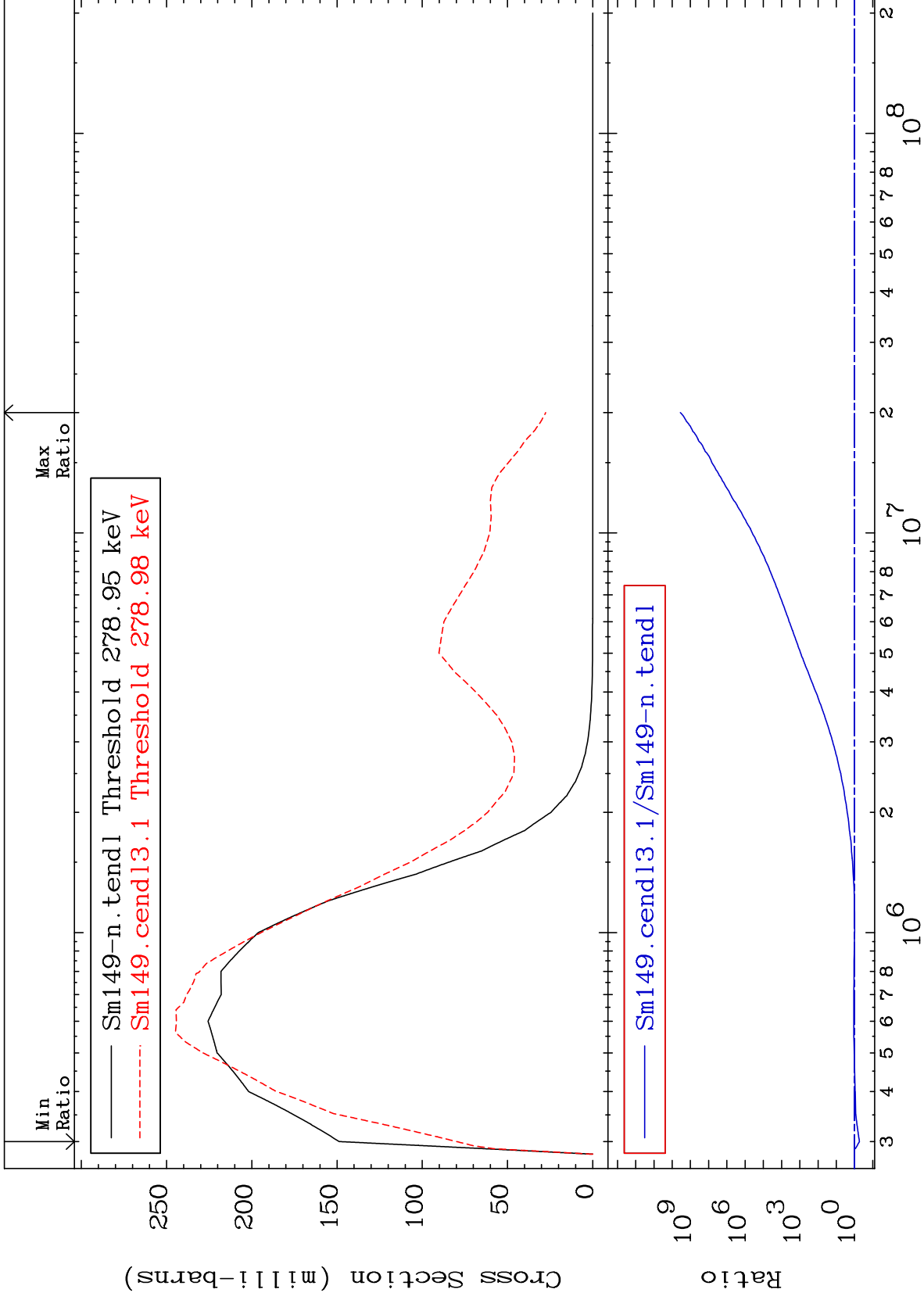
62-Sm-149
-62.36 To 9999. %



MAT 6240

277.1 keV (n,n') Level
Cross Section

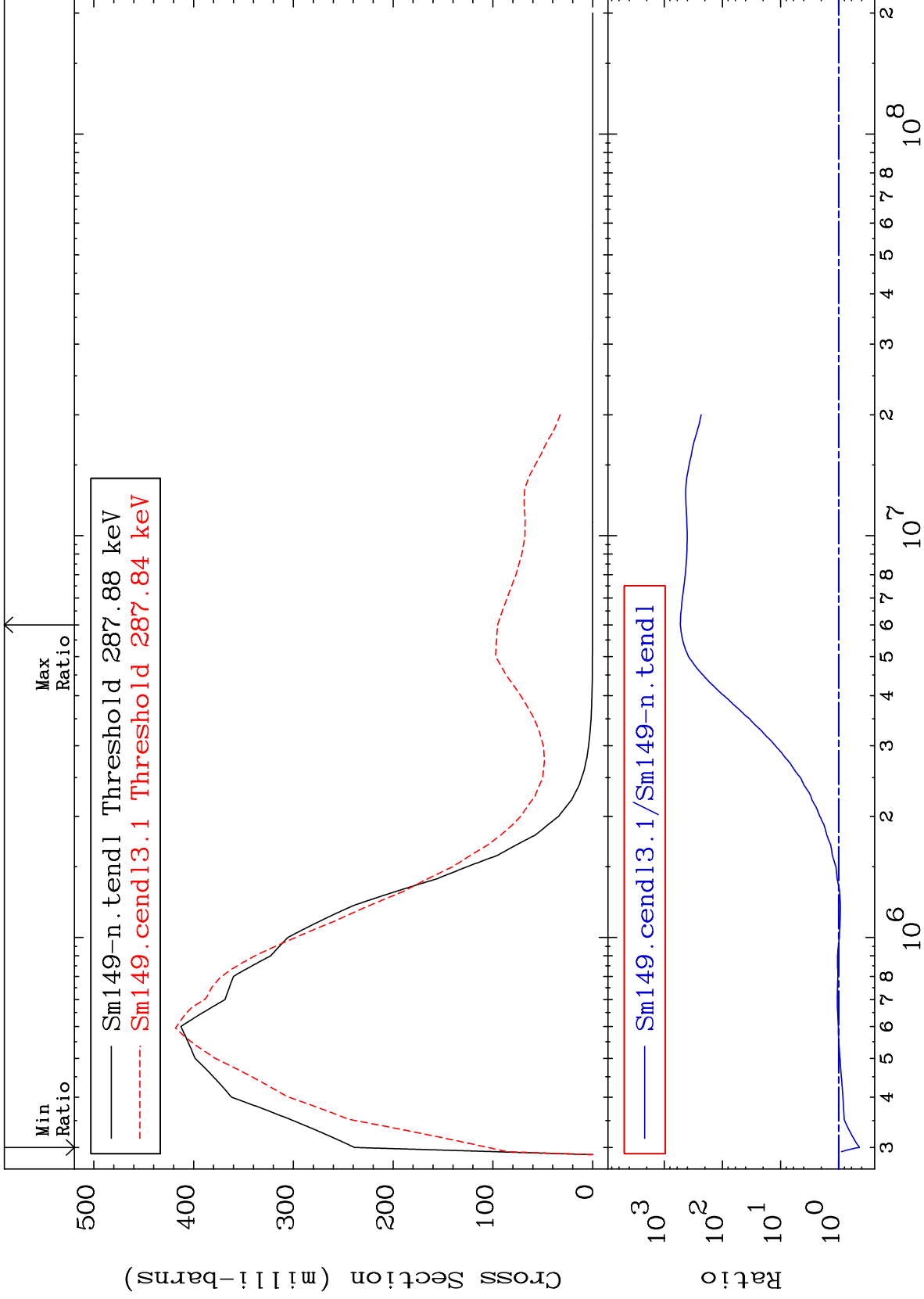
62-Sm-149
-46.32 To 9999. %



MAT 6240

285.9 keV (n,n') Level
Cross Section

62-Sm-149
-56.05 To 9999. %



10

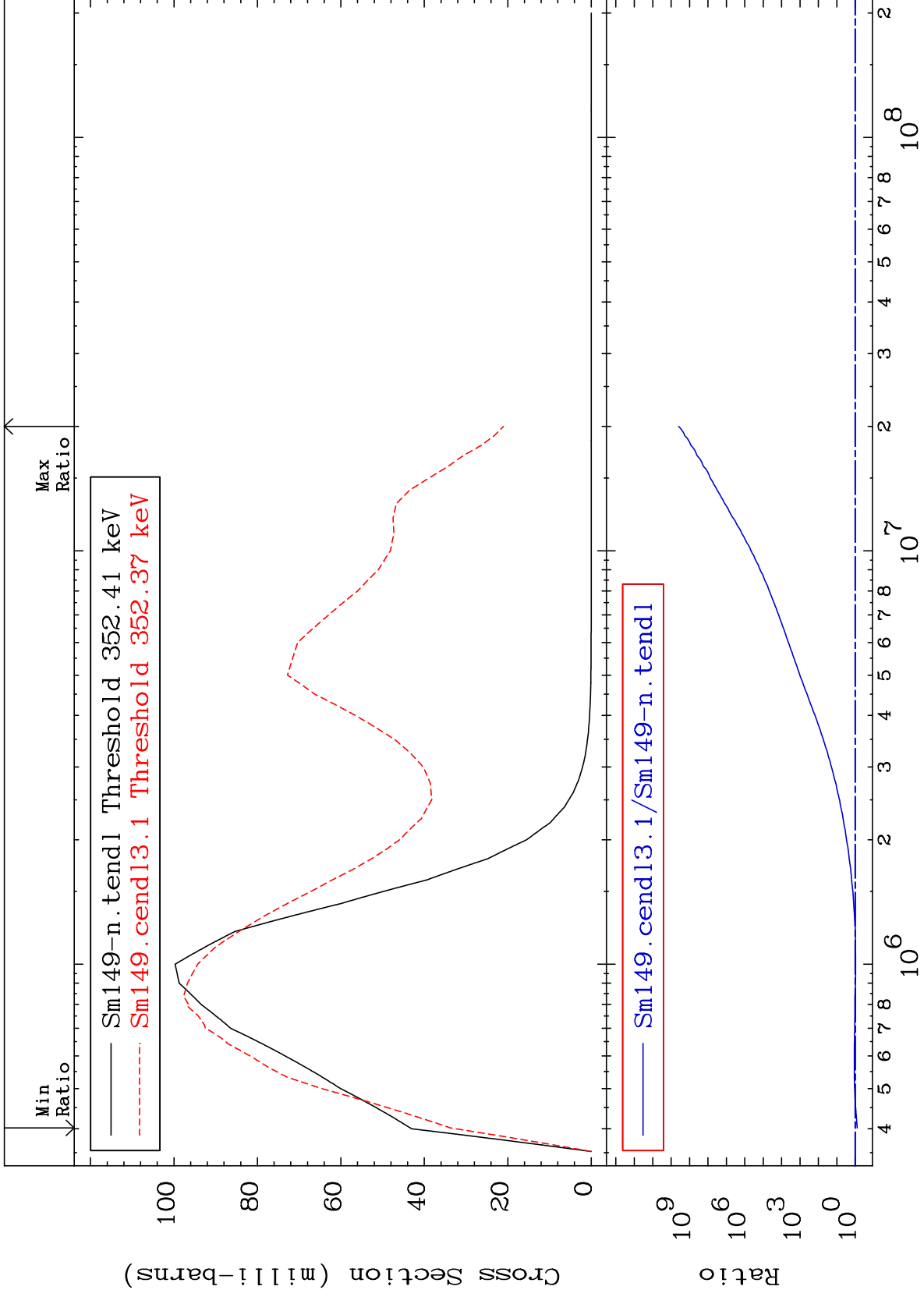
Incident Energy (eV)

62-Sm-149

MAT 6240

350.0 keV (n,n') Level
Cross Section

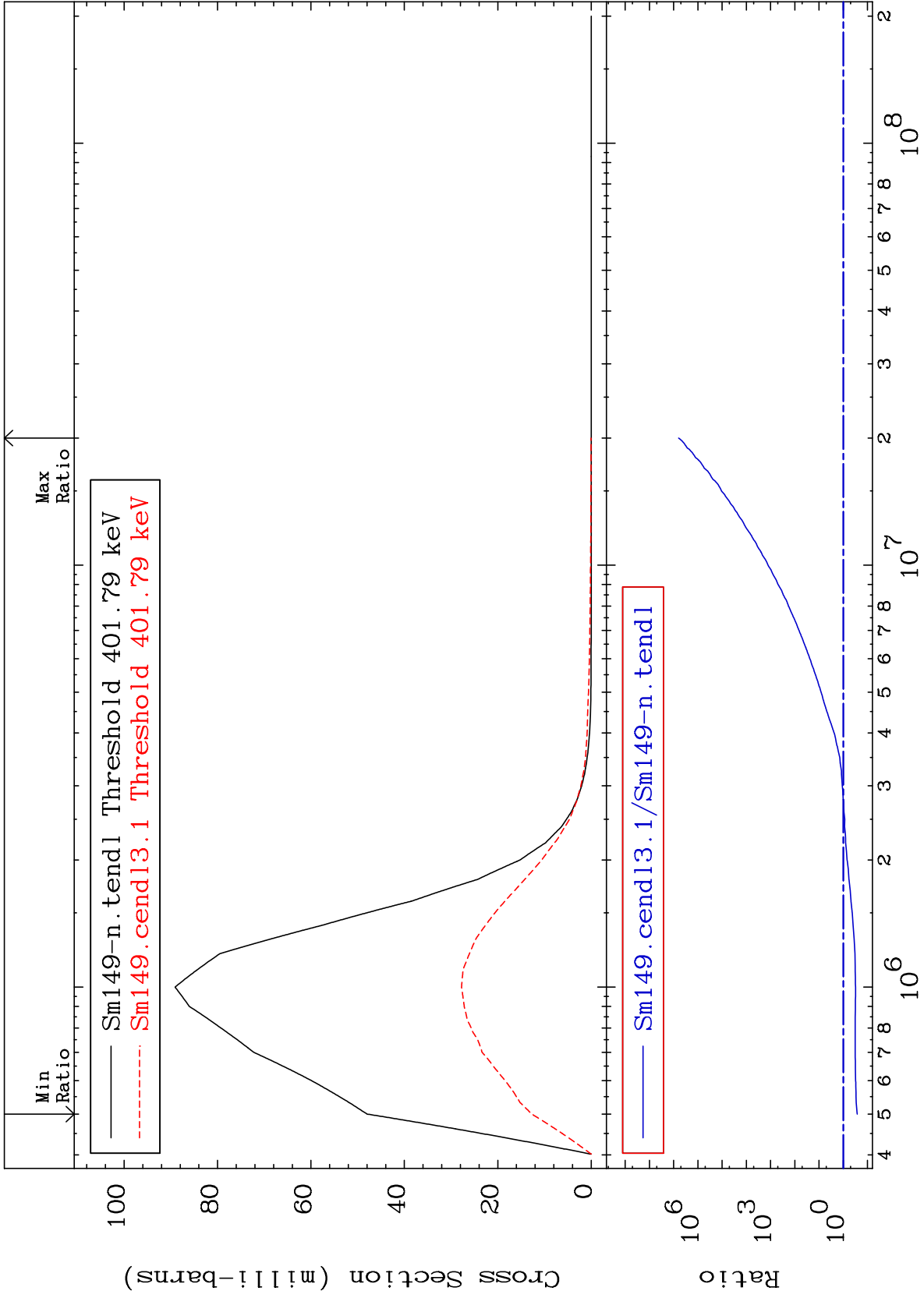
62-Sm-149
-22.28 To 9999. %



MAT 6240

399.1 keV (n,n') Level
Cross Section

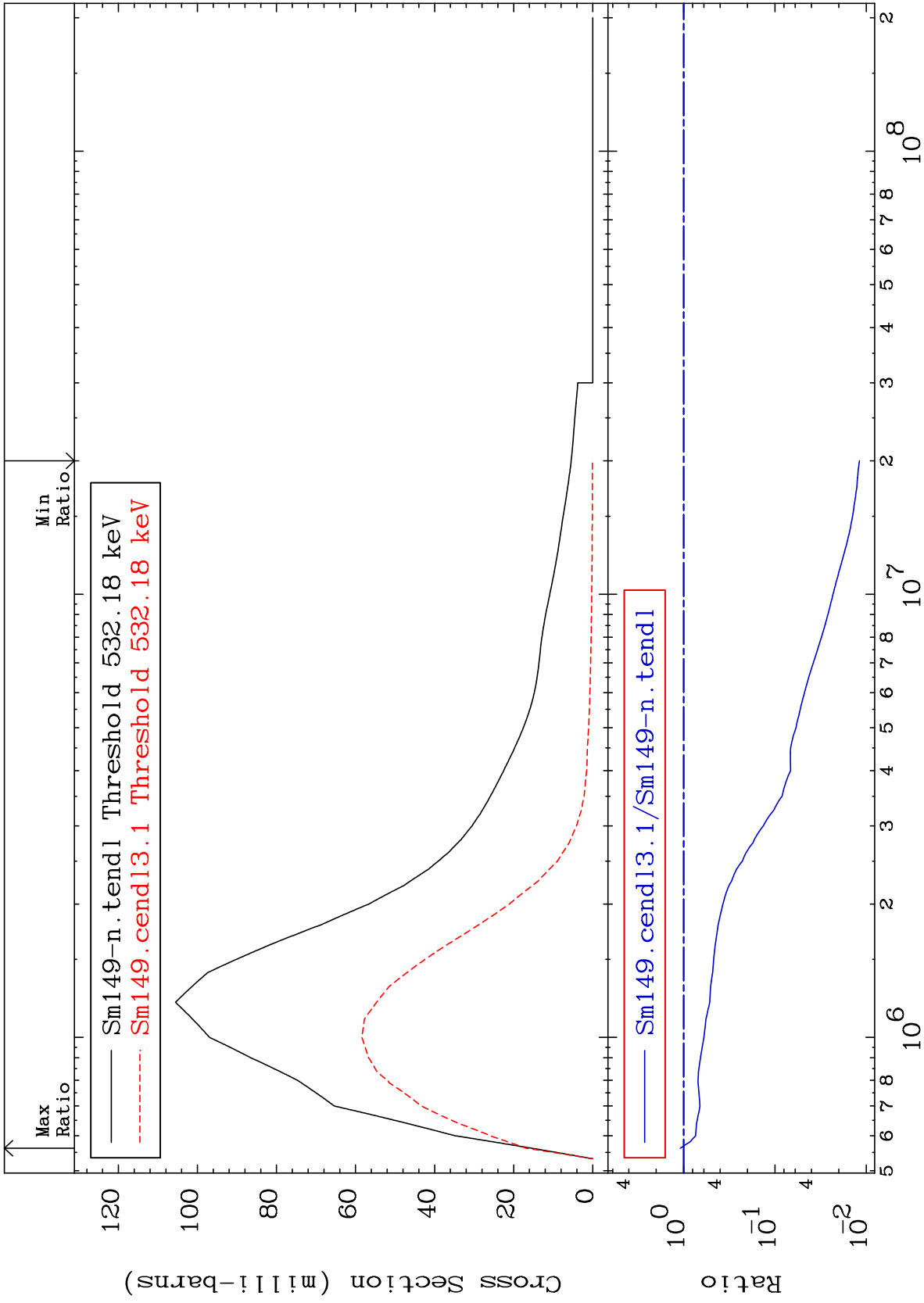
62-Sm-149
-73.47 To 9999. %



MAT 6240

528.6 keV (n,n') Level
Cross Section

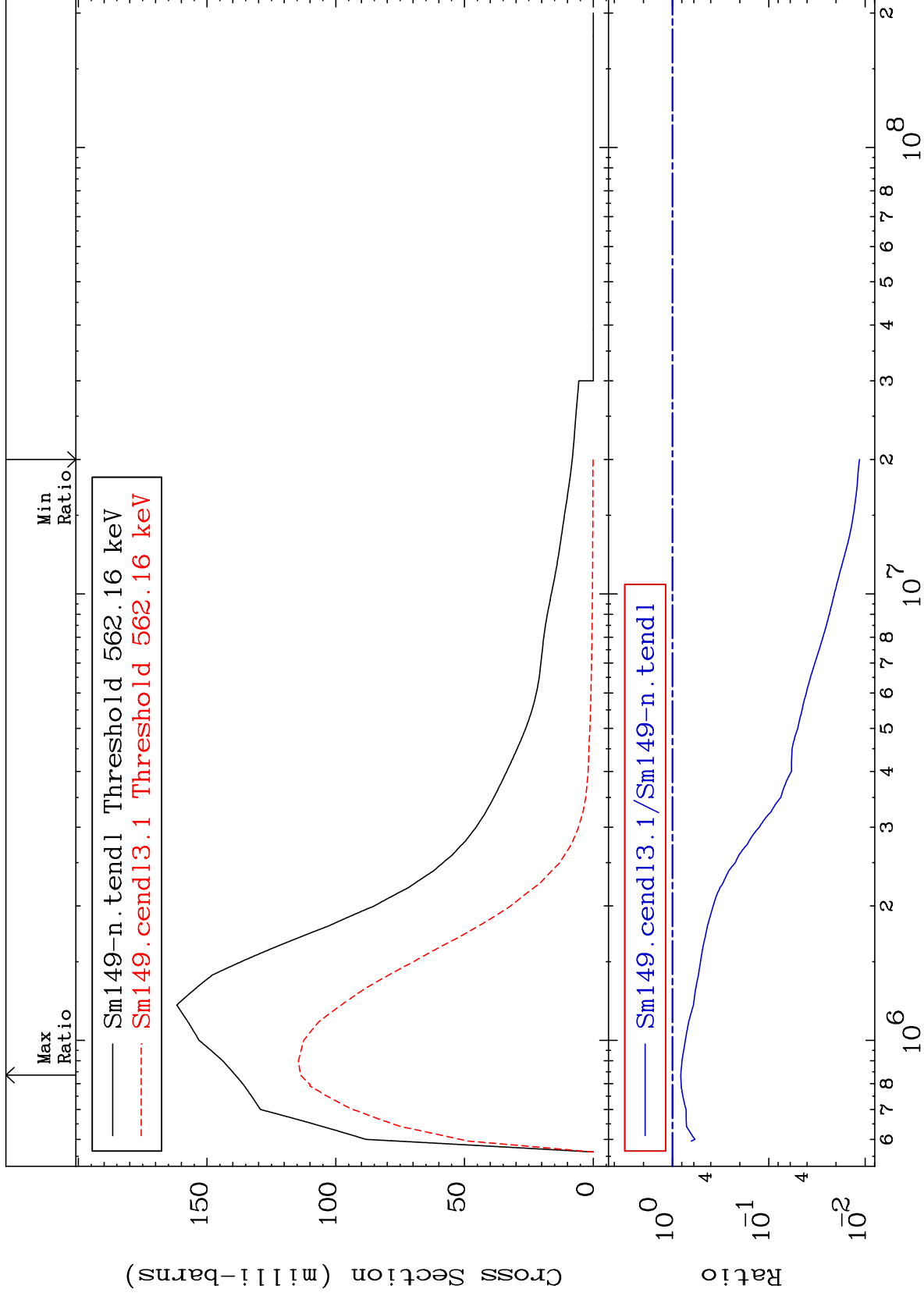
62-Sm-149
-98.81 To 8.836 %



MAT 6240

558.4 keV (n,n') Level
Cross Section

62-Sm-149
-98.86 To -18.16%



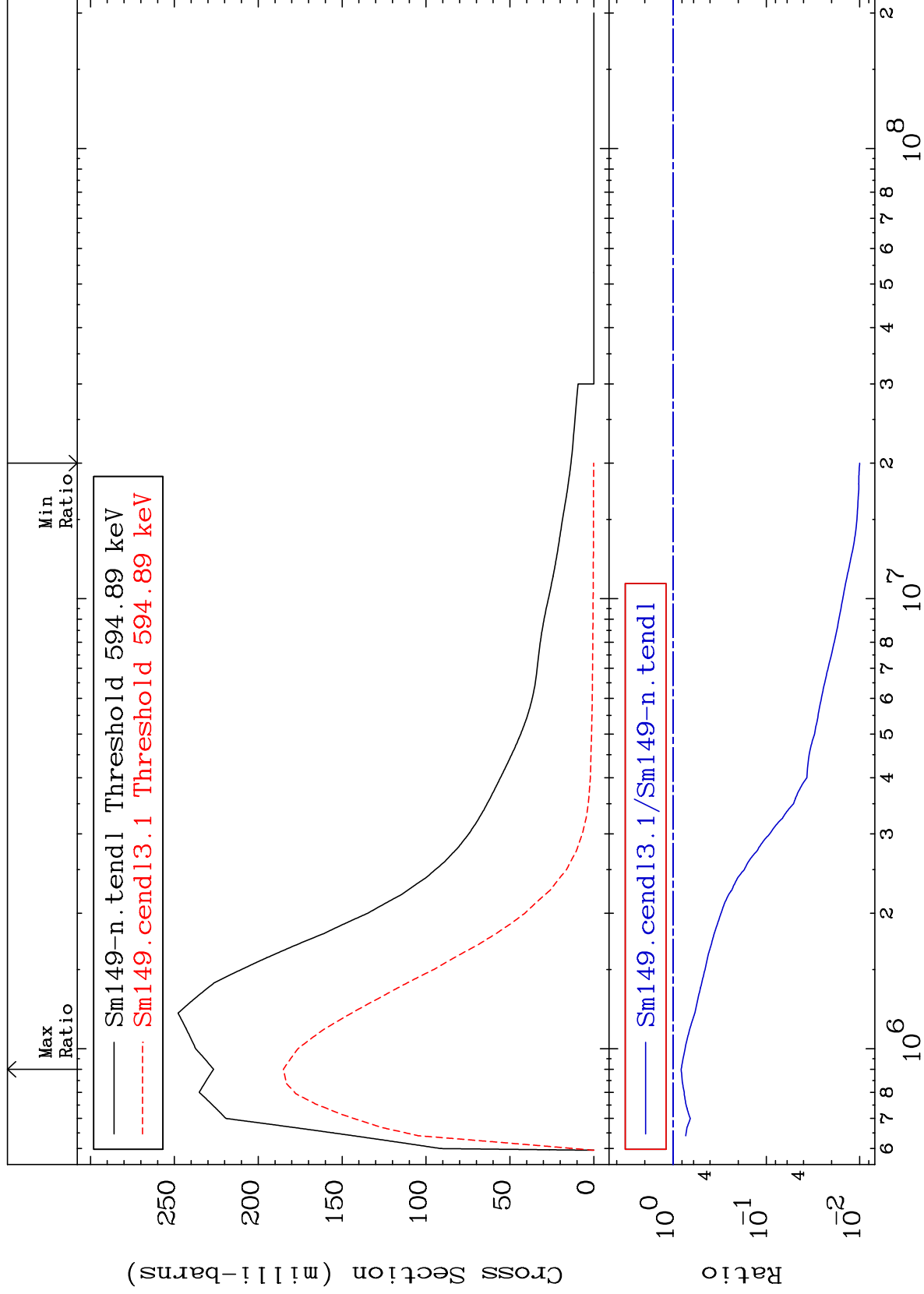
14

62-Sm-149

MAT 6240

590.9 keV (n,n') Level
Cross Section

62-Sm-149
-99.00 To -18.36%



15

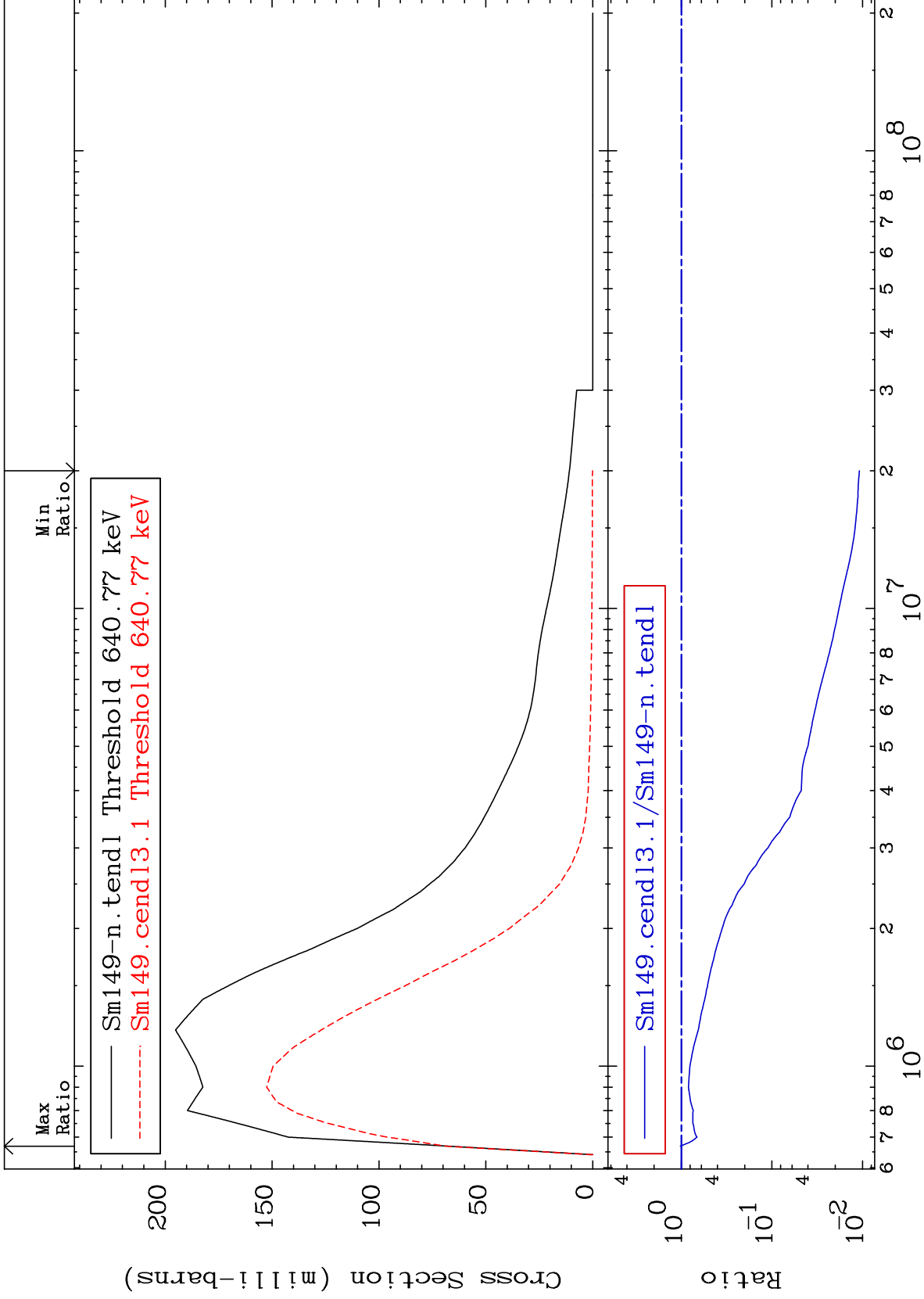
Incident Energy (eV)

62-Sm-149

MAT 6240

636.5 keV (n,n') Level
Cross Section

62-Sm-149
-98.92 To 2.660 %



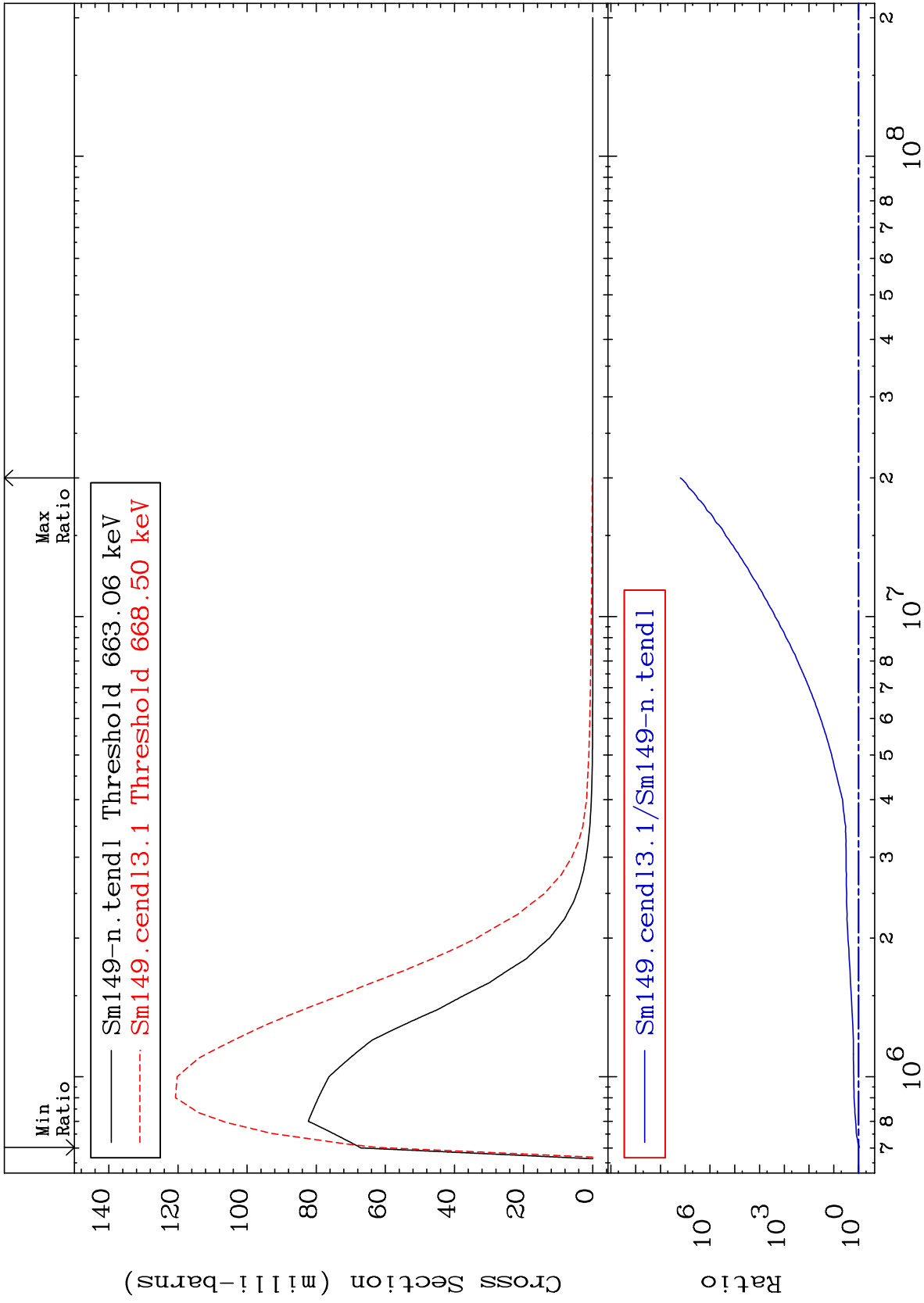
16

62-Sm-149

MAT 6240

658.6 keV (n,n') Level
Cross Section

62-Sm-149
-7.422 To 9999. %



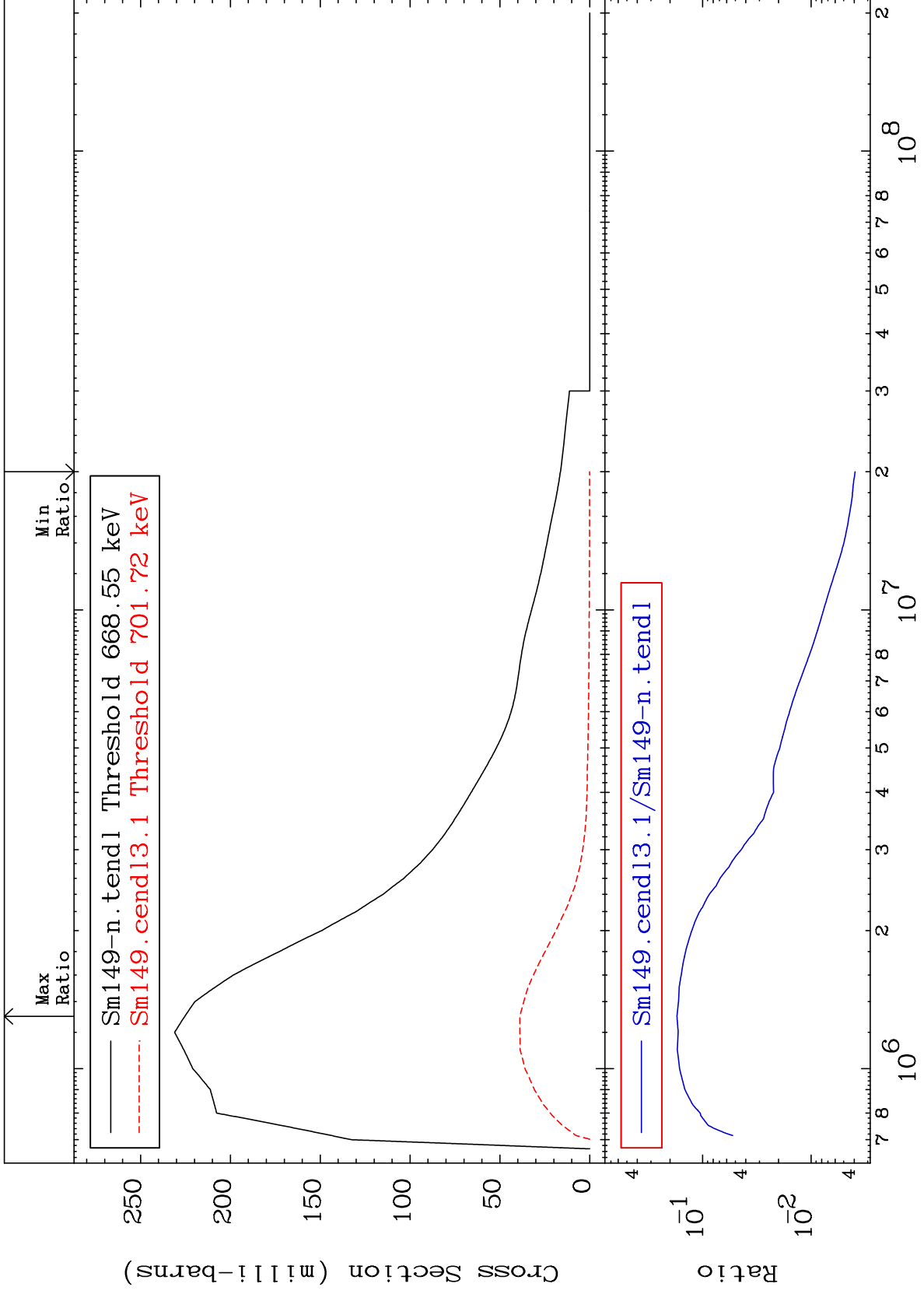
17

62-Sm-149

MAT 6240

664.1 keV (n,n') Level
Cross Section

62-Sm-149
-99.61 To -82.74%



18

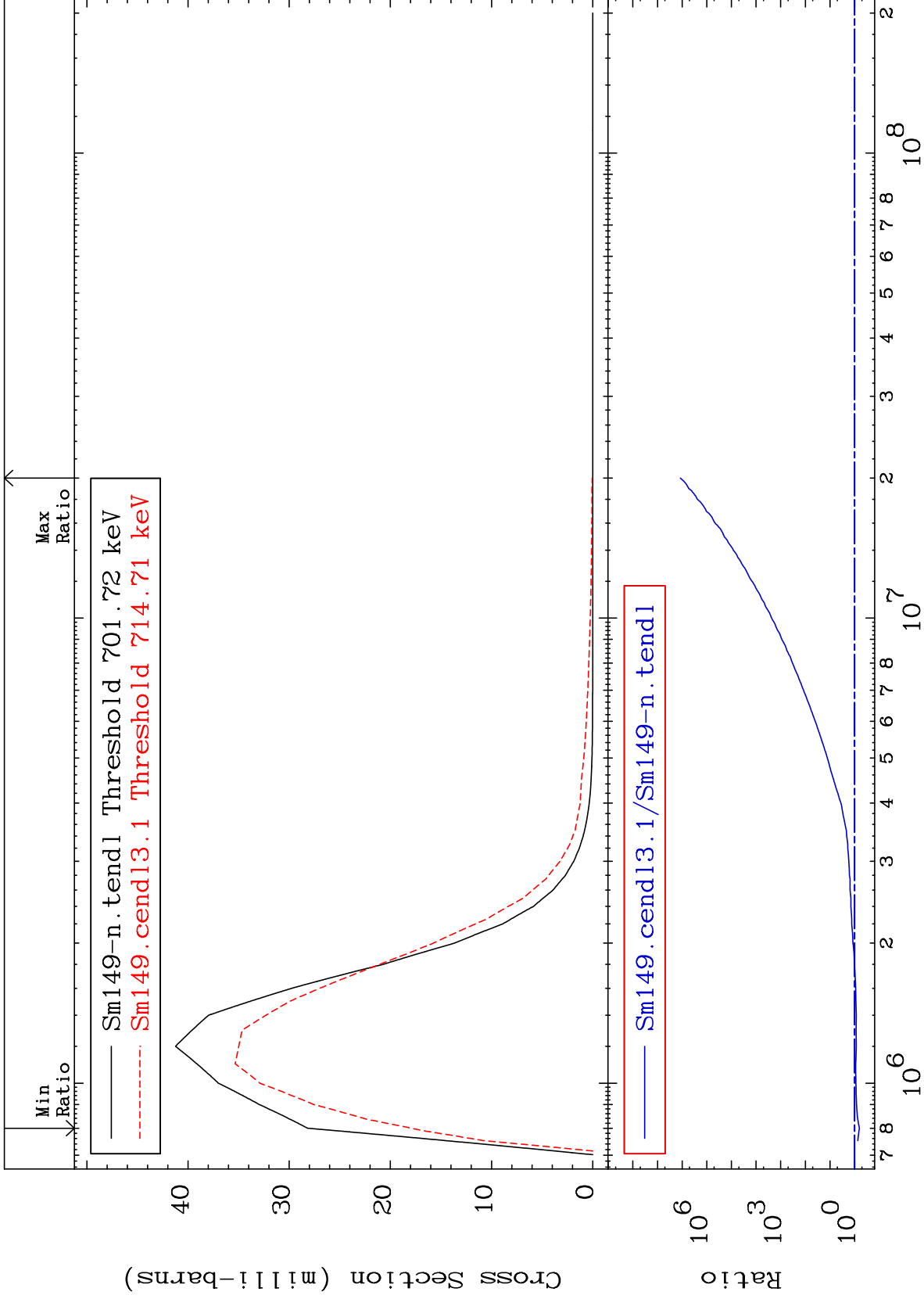
Incident Energy (eV)

62-Sm-149

MAT 6240

697.0 keV (n,n') Level
Cross Section

62-Sm-149
-36.39 To 9999. %



19

Incident Energy (eV)

62-Sm-149

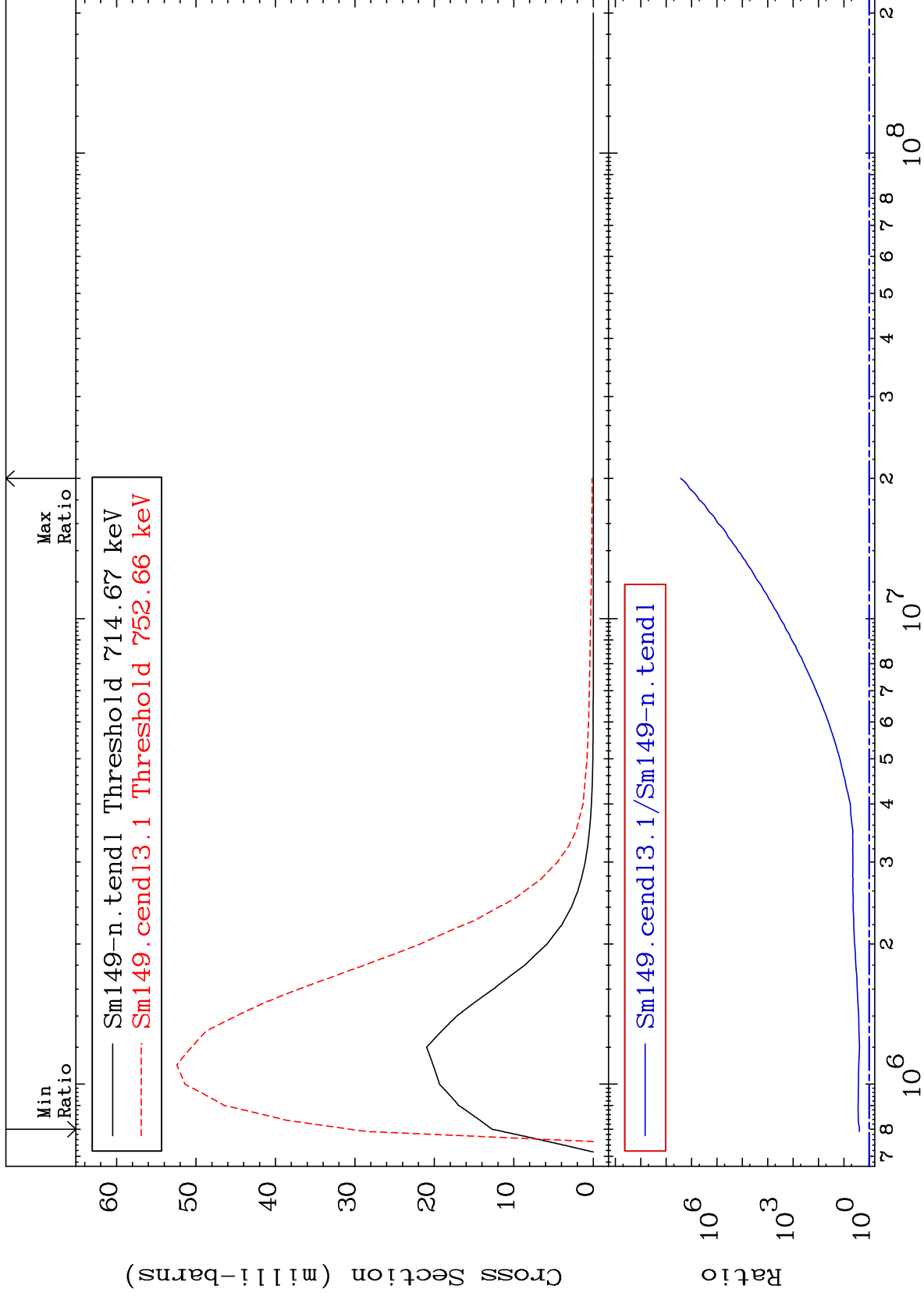
MAT 6240

709.9 keV (n,n') Level

62-Sm-149

140.3 To 9999. %

Cross Section



20

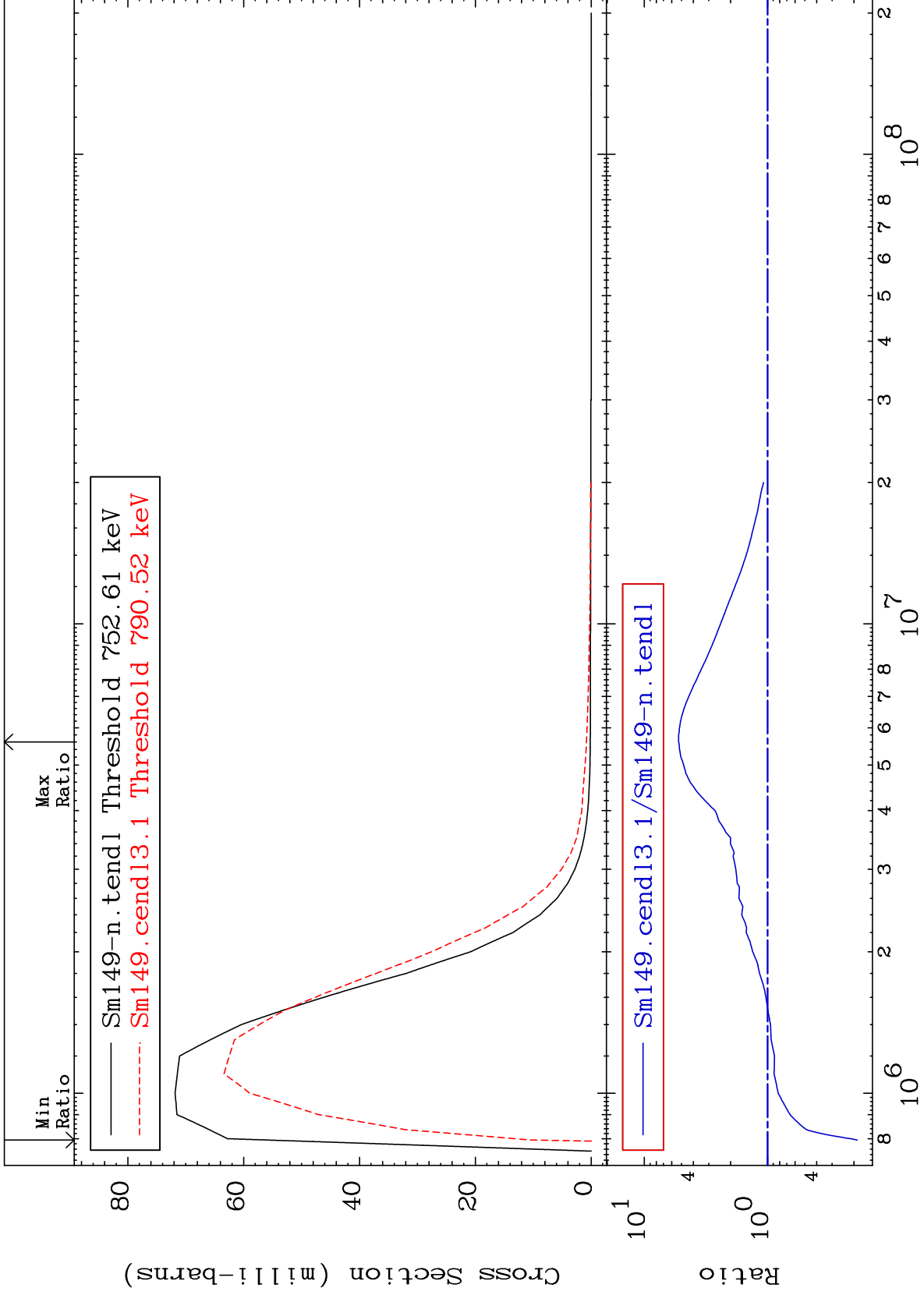
Incident Energy (eV)

62-Sm-149

MAT 6240

747.6 keV (n,n') Level
Cross Section

62-Sm-149
-81.24 To 427.2 %



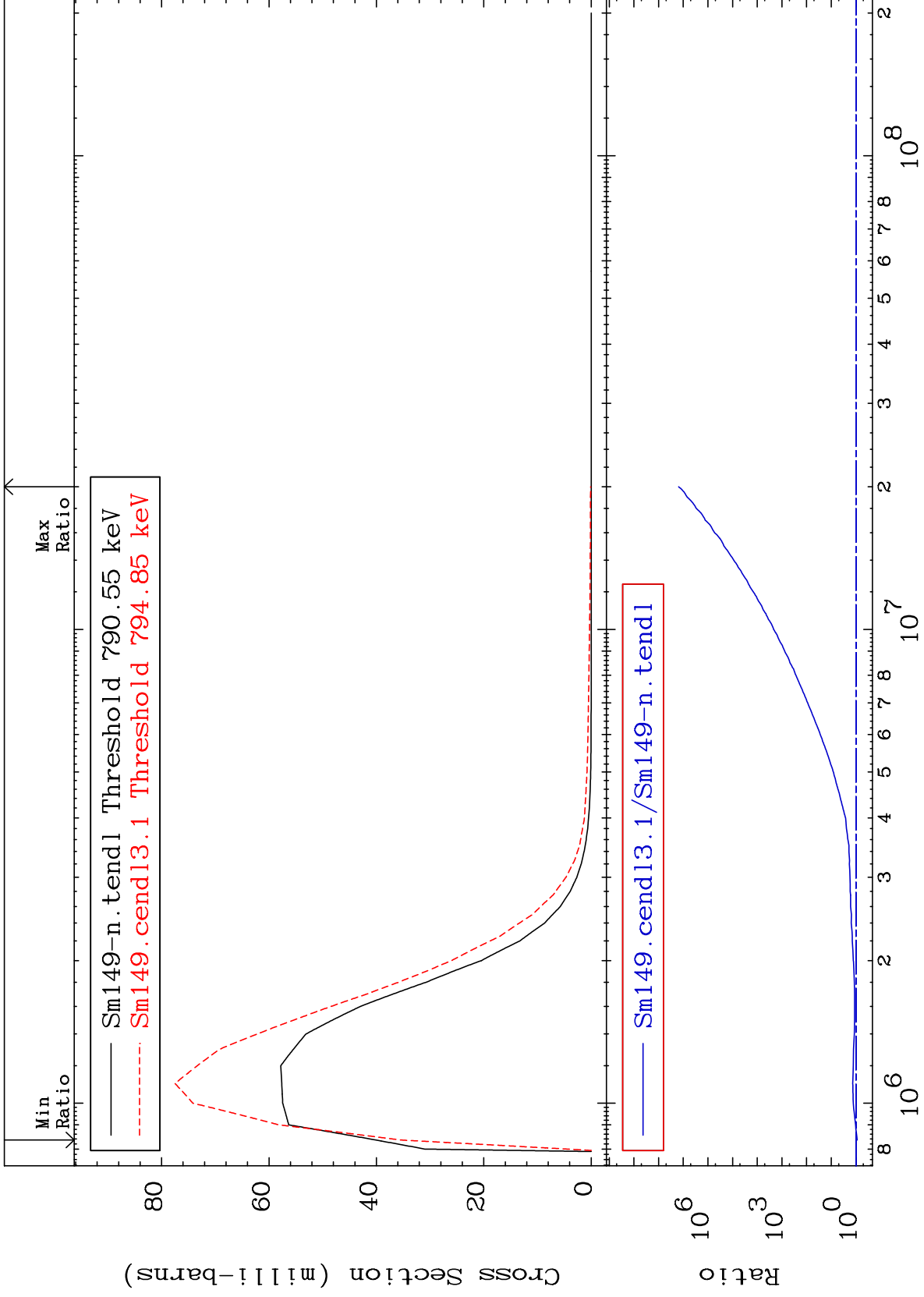
21

62-Sm-149

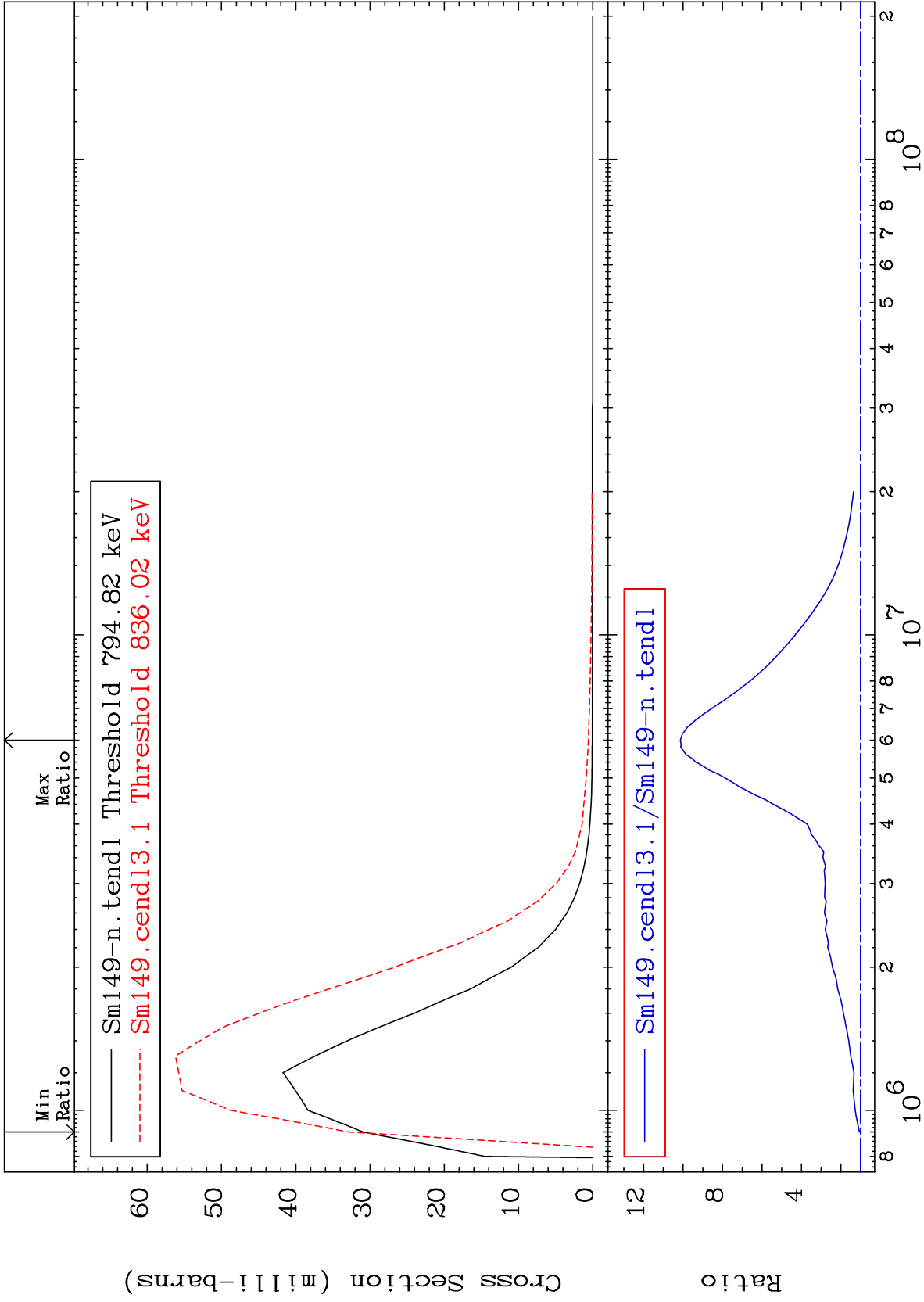
MAT 6240

785.2 keV (n,n') Level
Cross Section

62-Sm-149
-11.59 To 9999. %



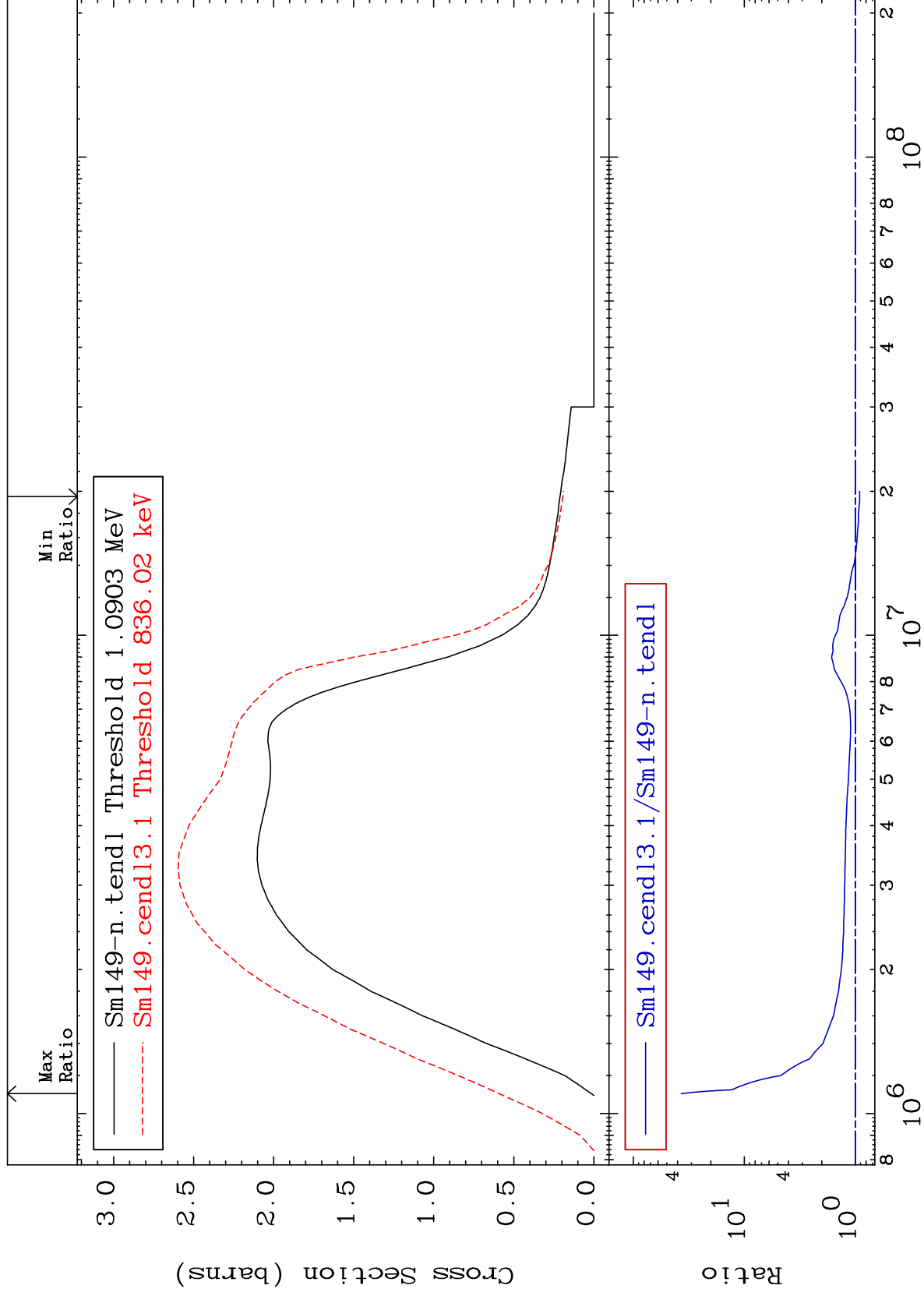
MAT 6240 789.5 keV (n,n') Level 62-Sm-149
 Cross Section To 913.4 %



MAT 6240

(n, n') Continuum
Cross Section

62-Sm-149
-8.591 To 3609. %



24

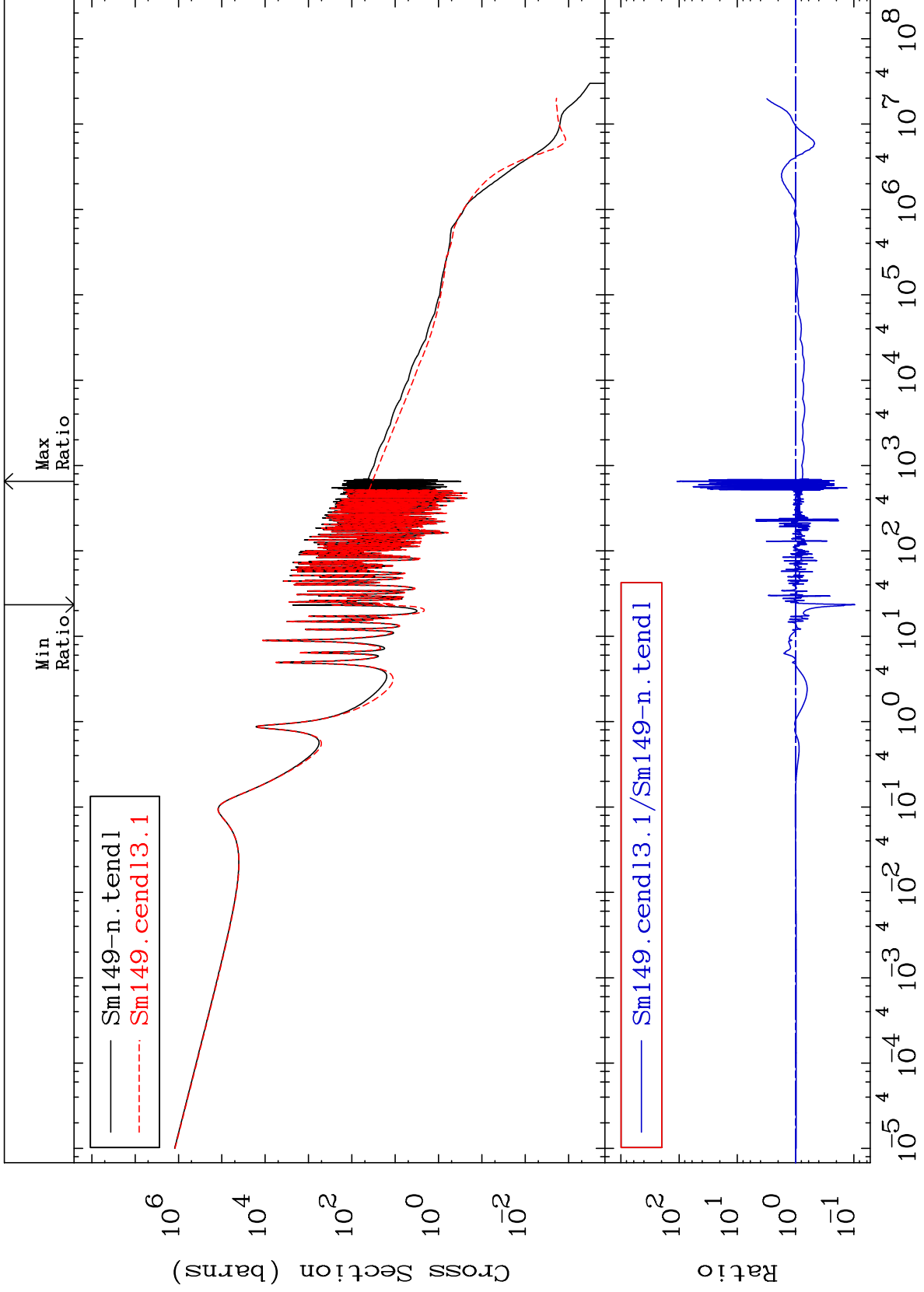
62-Sm-149

MAT 6240

62-Sm-149
-90.47 To 9999. %

(n, γ)

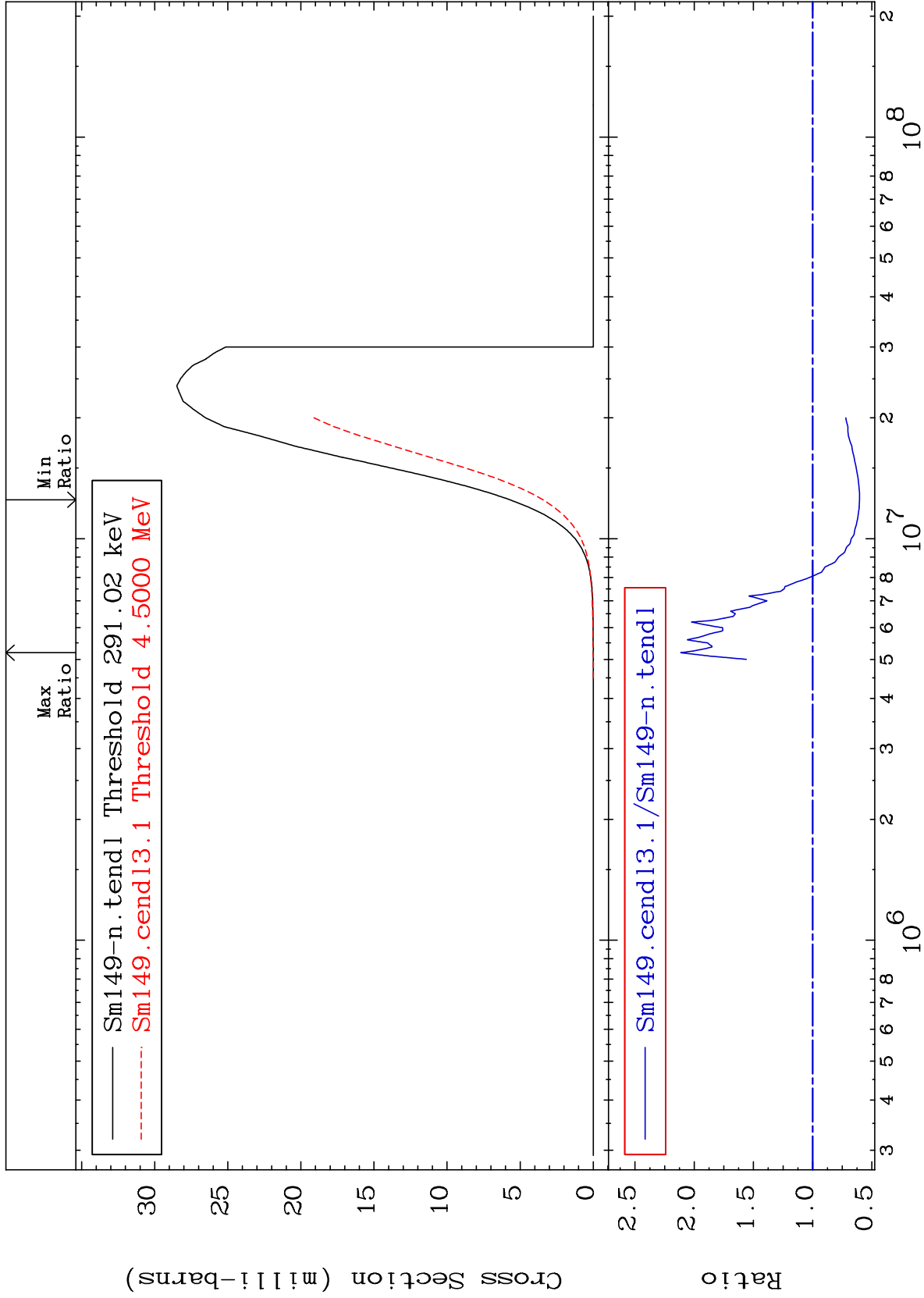
Cross Section



MAT 6240

62-Sm-149

(n,p)
Cross Section
-39.59 To 111.4 %



26

62-Sm-149

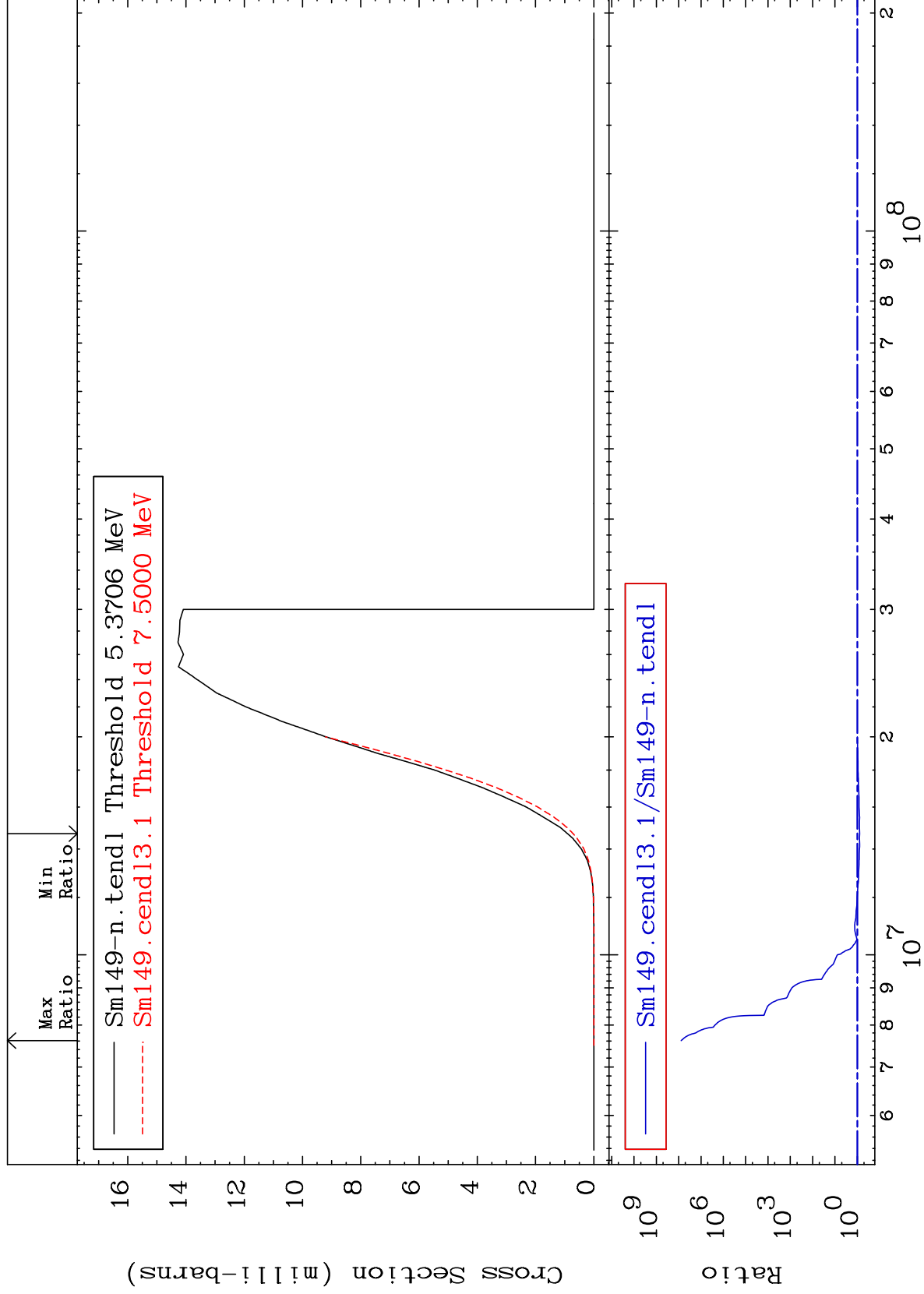
MAT 6240

(n, d)

62-Sm-149

Cross Section

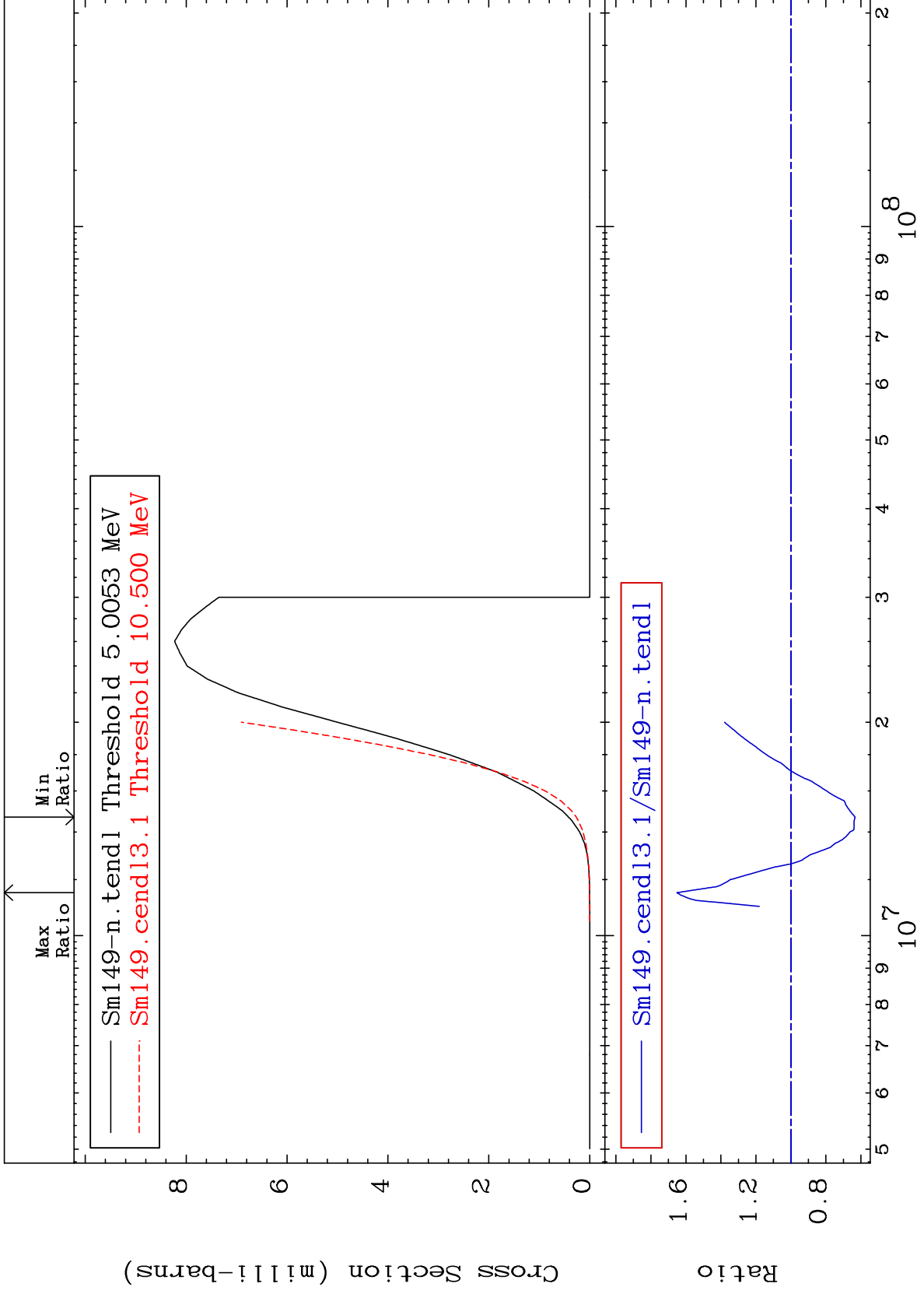
-21.52 To 9999. %



MAT 6240

(n, t)
Cross Section

62-Sm-149
-36.66 To 65.13 %



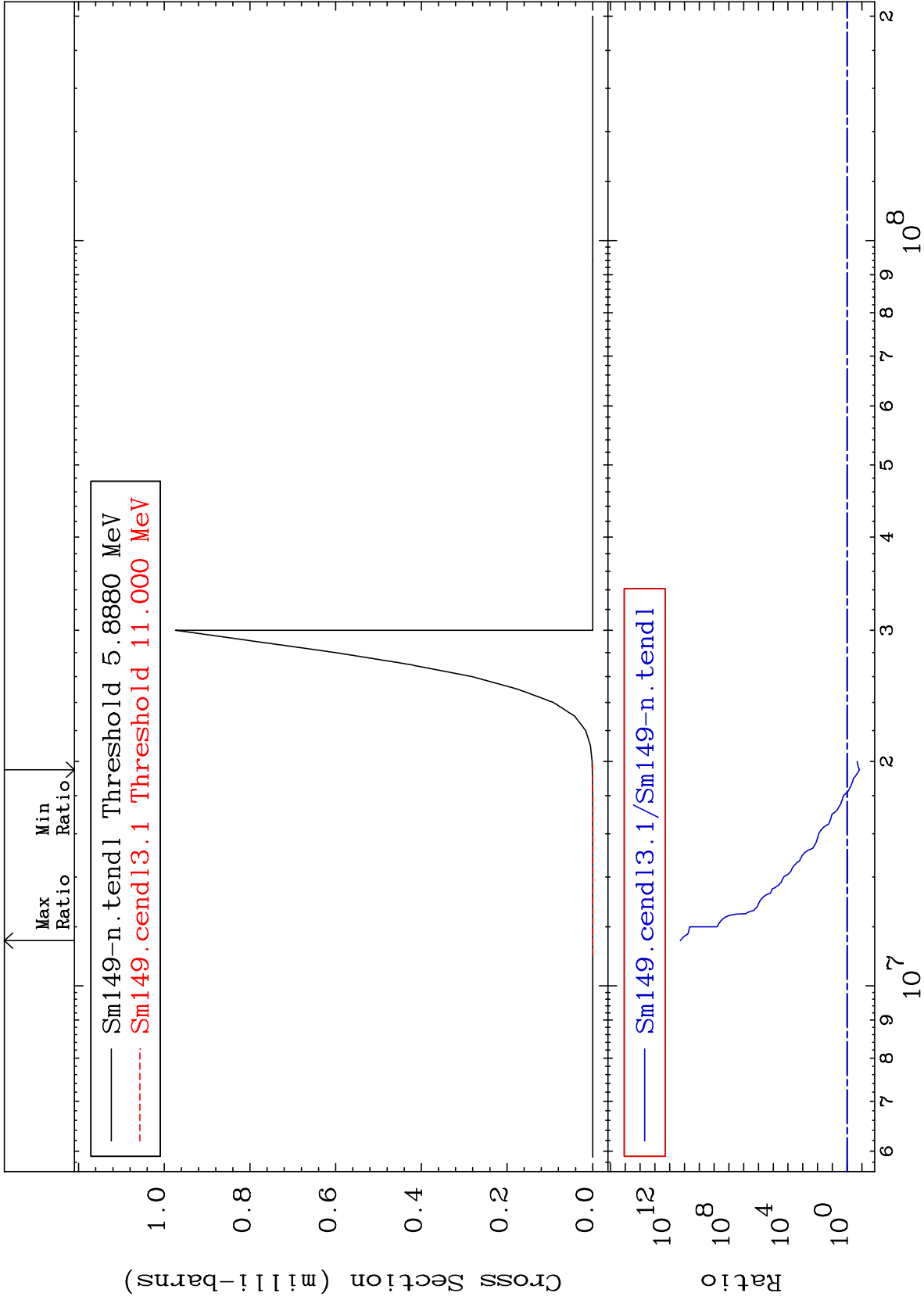
MAT 6240

(n, He-3)

62-Sm-149

Cross Section

-85.14 To 9999. %



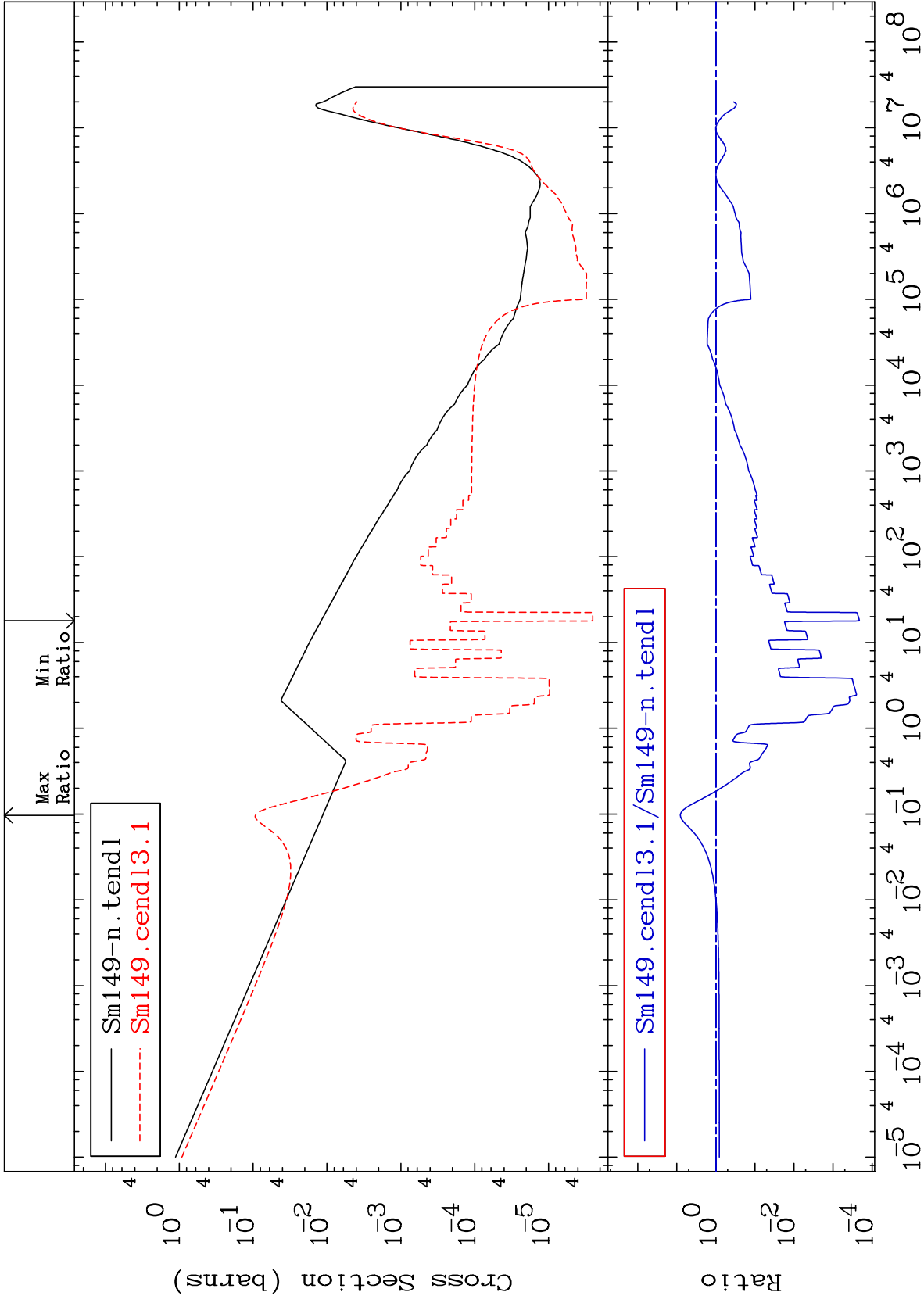
MAT 6240

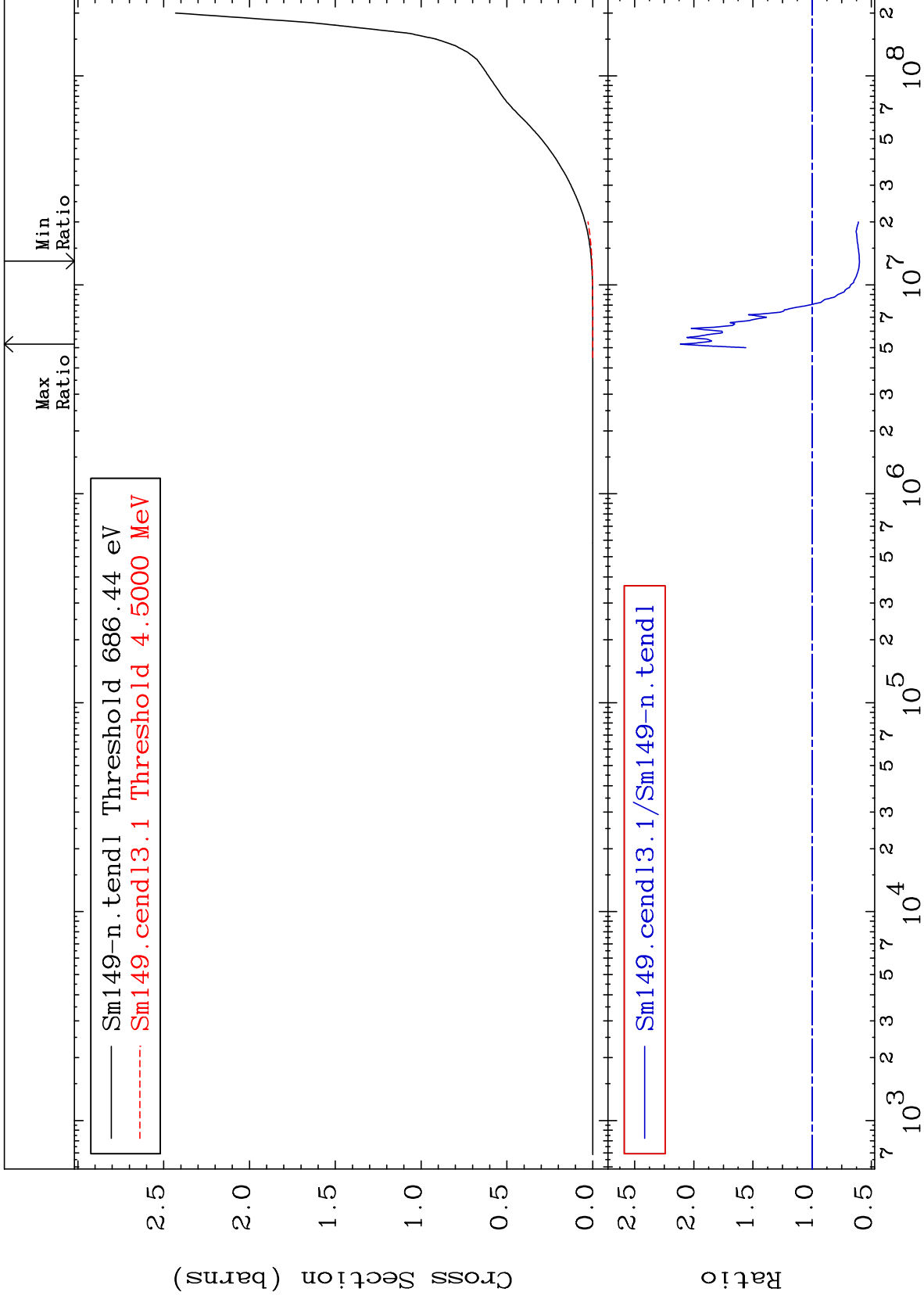
(n, α)

62-Sm-149

Cross Section

-99.98 To 711.9 %

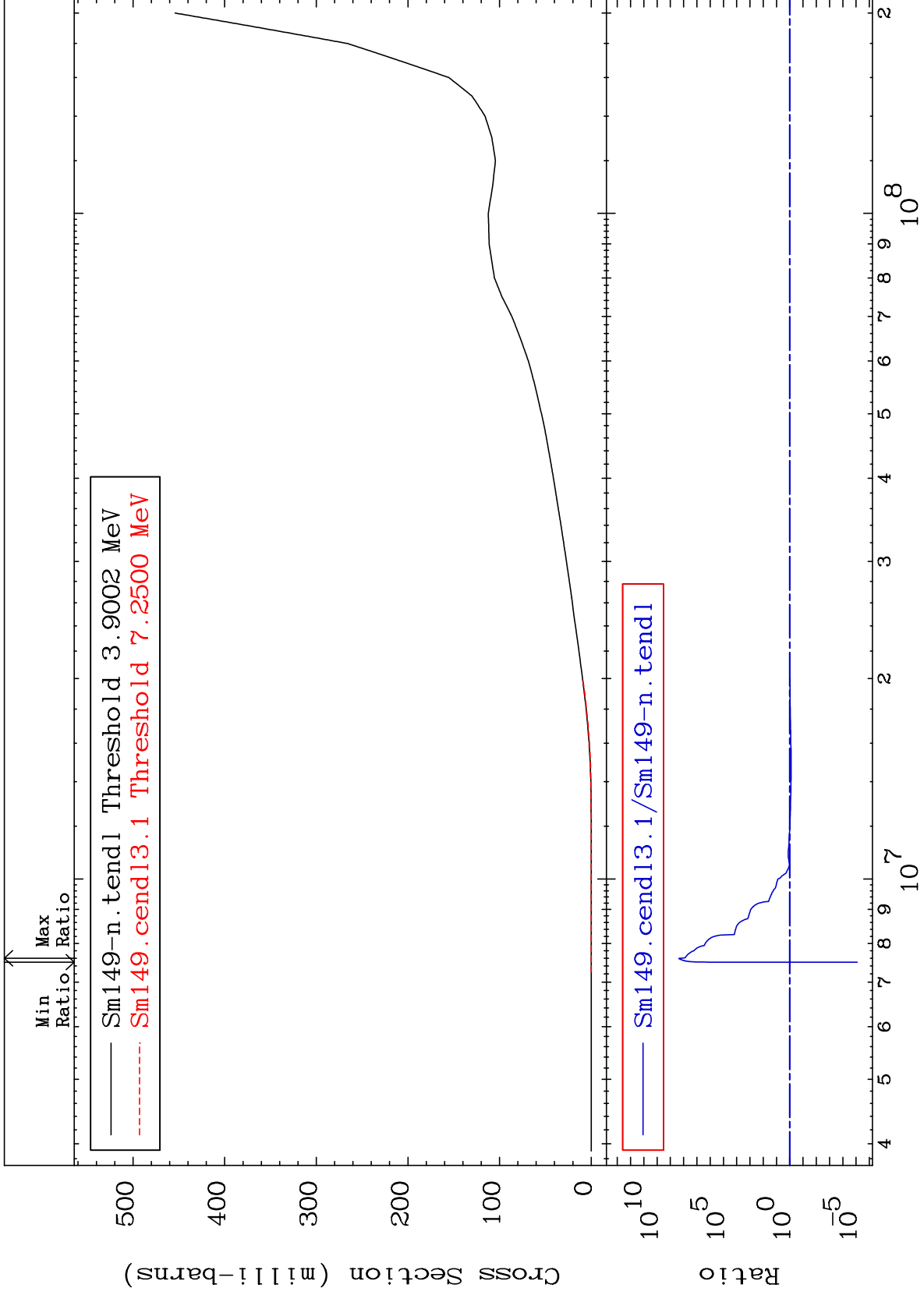




MAT 6240

Deuterium Production
Cross Section

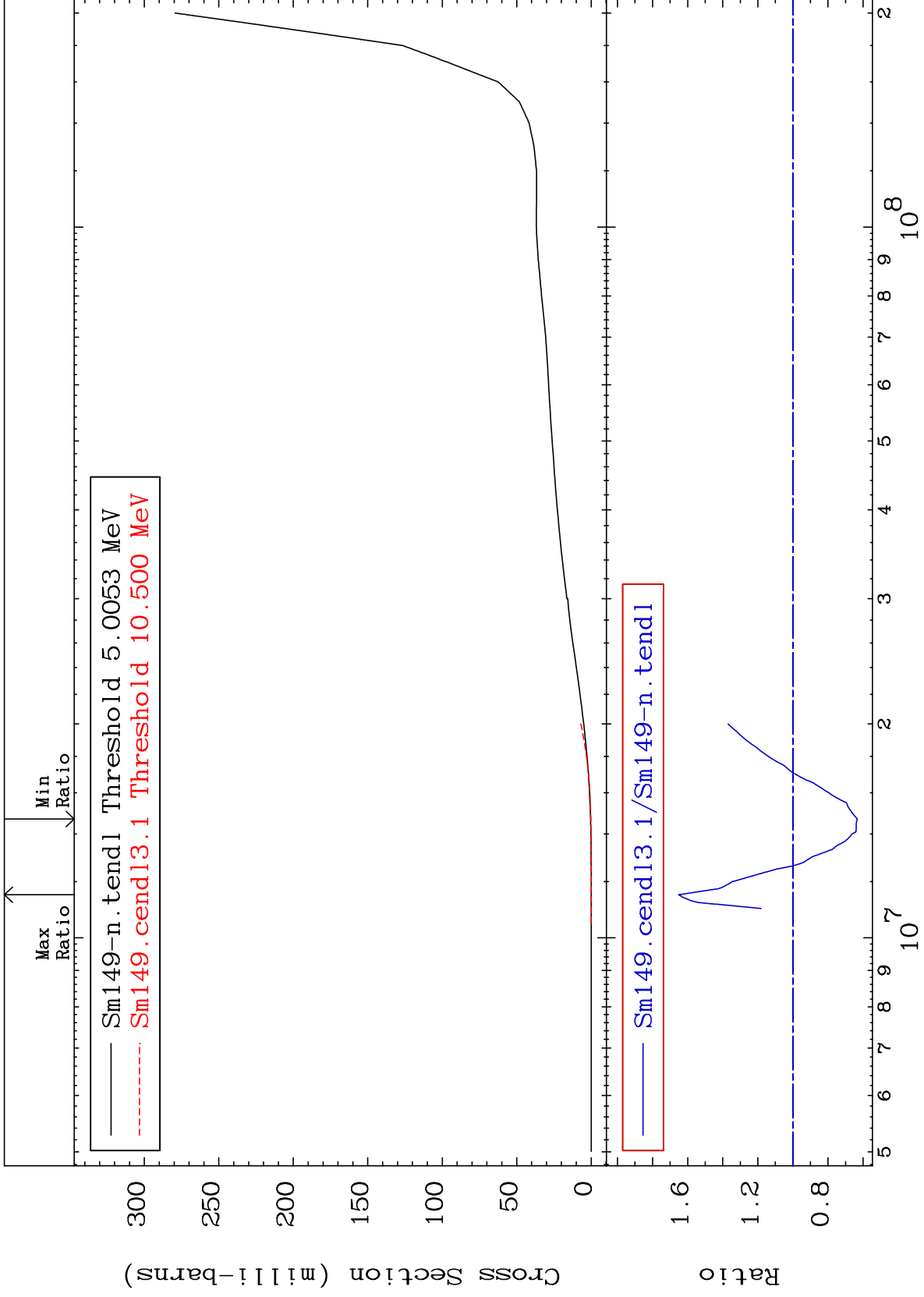
62-Sm-149
-100.0 To 9999. %



MAT 6240

Tritium Production
Cross Section

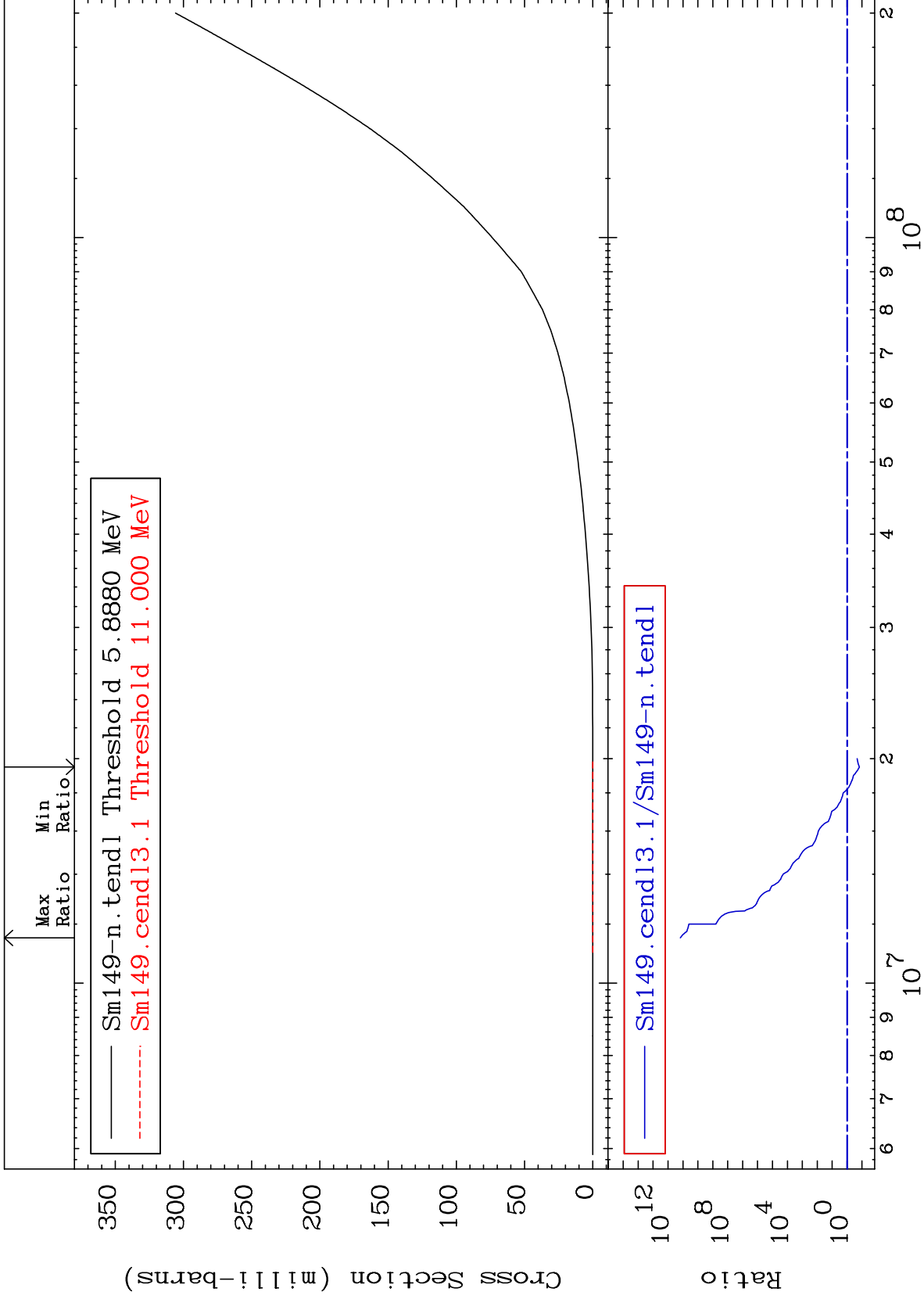
62-Sm-149
-36.66 To 65.13 %



MAT 6240

He-3 Production
Cross Section

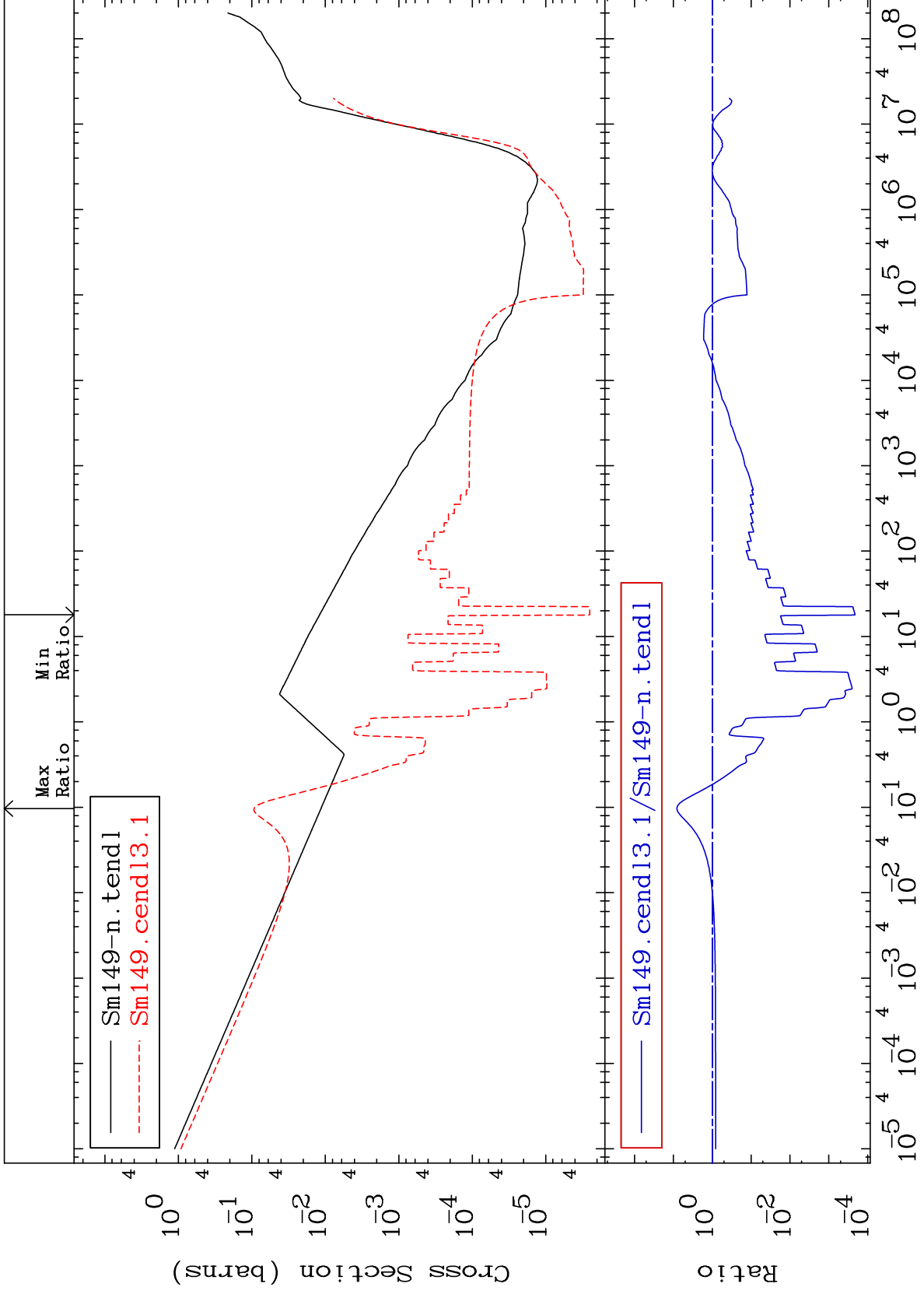
62-Sm-149
-85.14 To 9999. %



MAT 6240

He-4 Production
Cross Section

62-Sm-149
-99.98 To 711.9 %

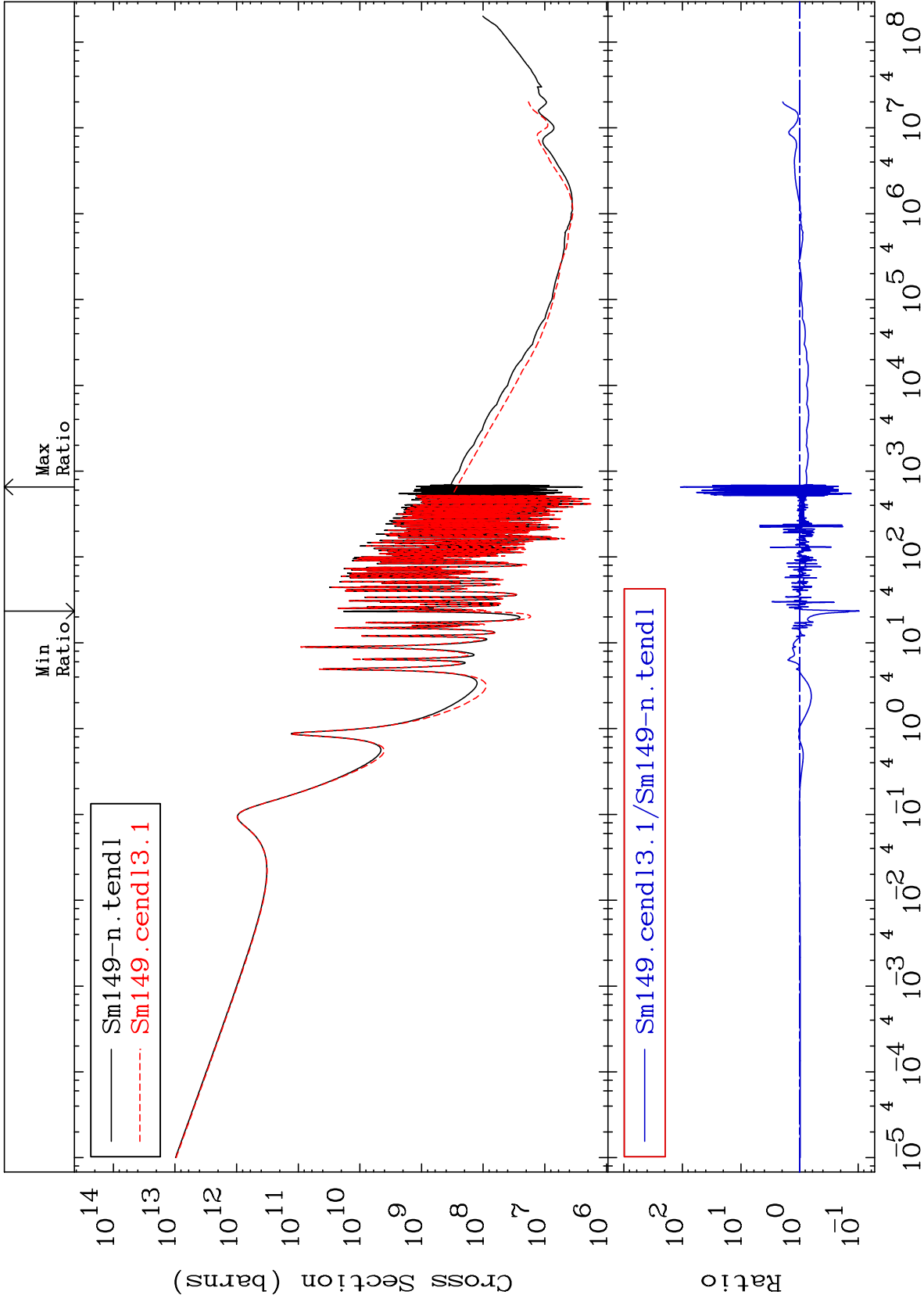


MAT 6240

Kerma total (eV-barns)

62-Sm-149

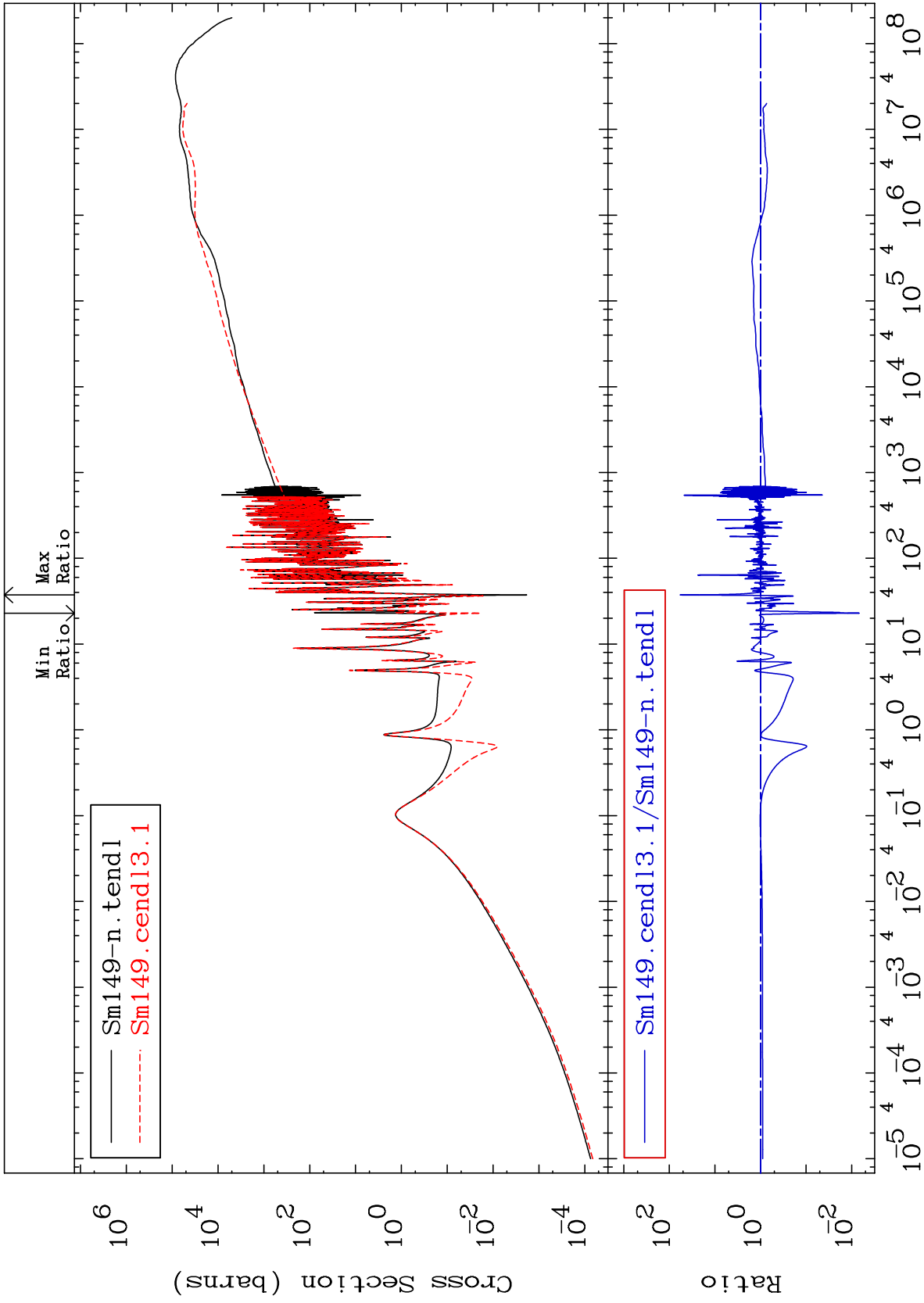
-90.47 To 9999. %

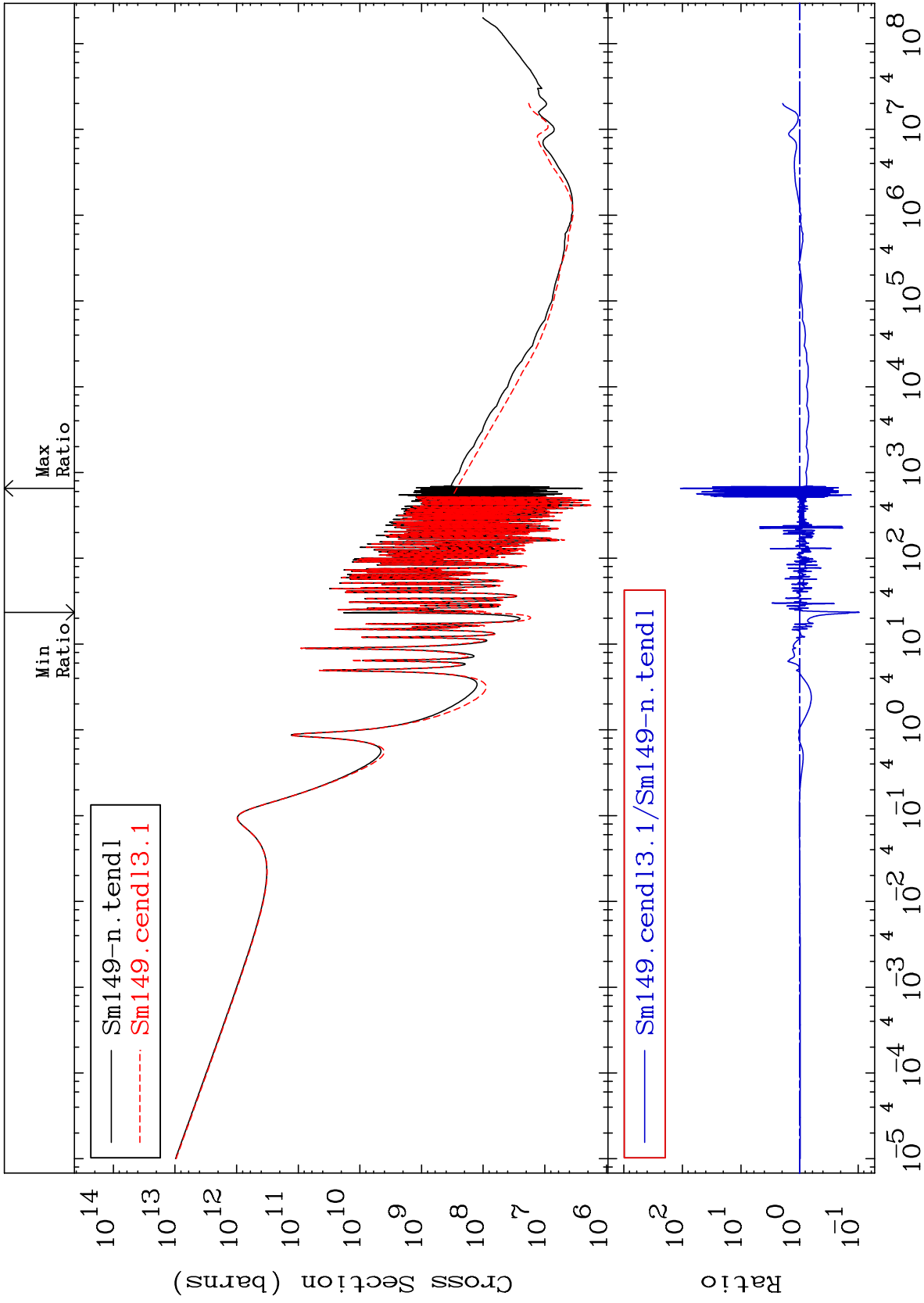


MAT 6240

Kerma elastic
Cross Section

62-Sm-149
-99.32 To 5634. %

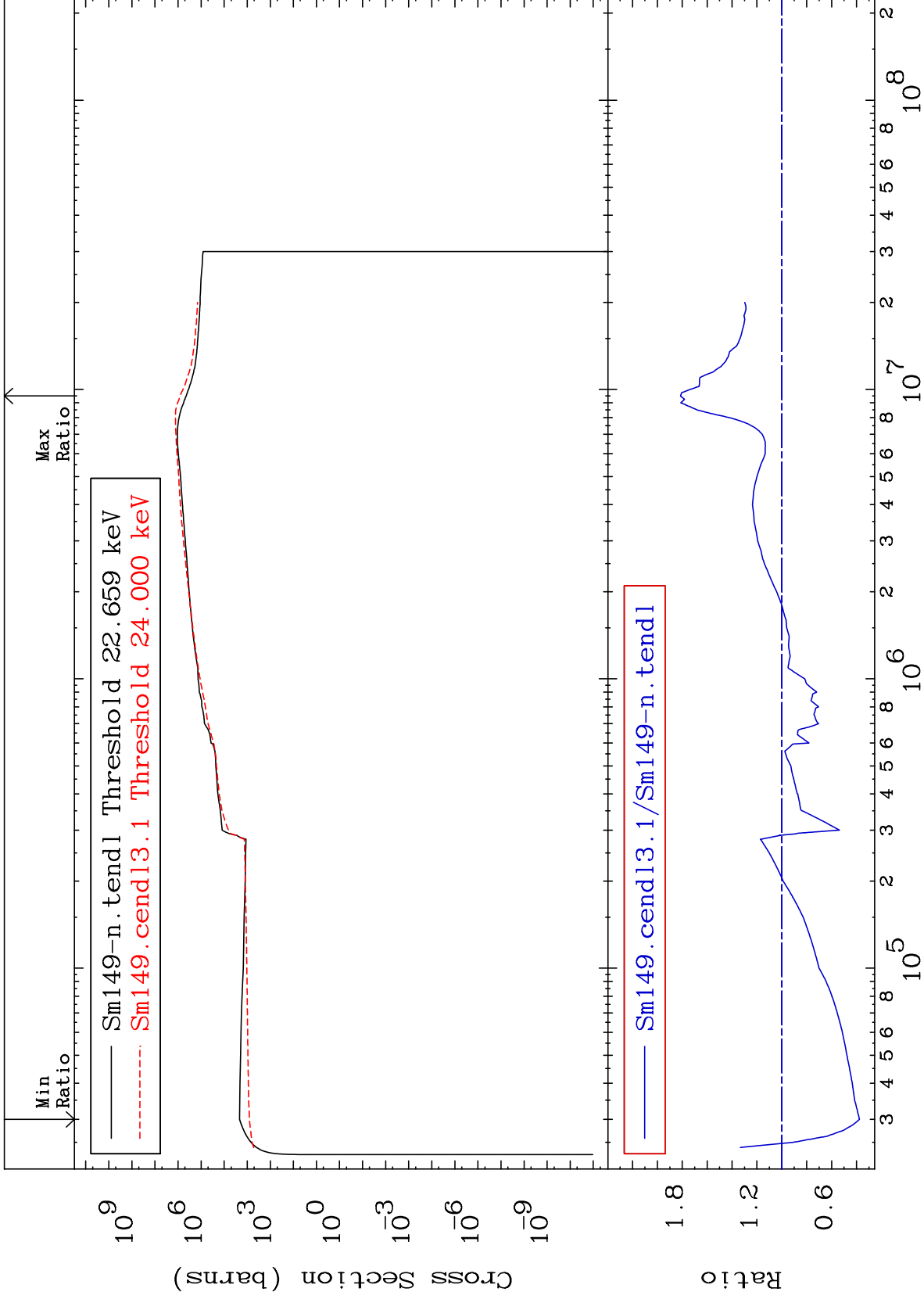




MAT 6240

Kerma inelastic (mt51-91)
Cross Section

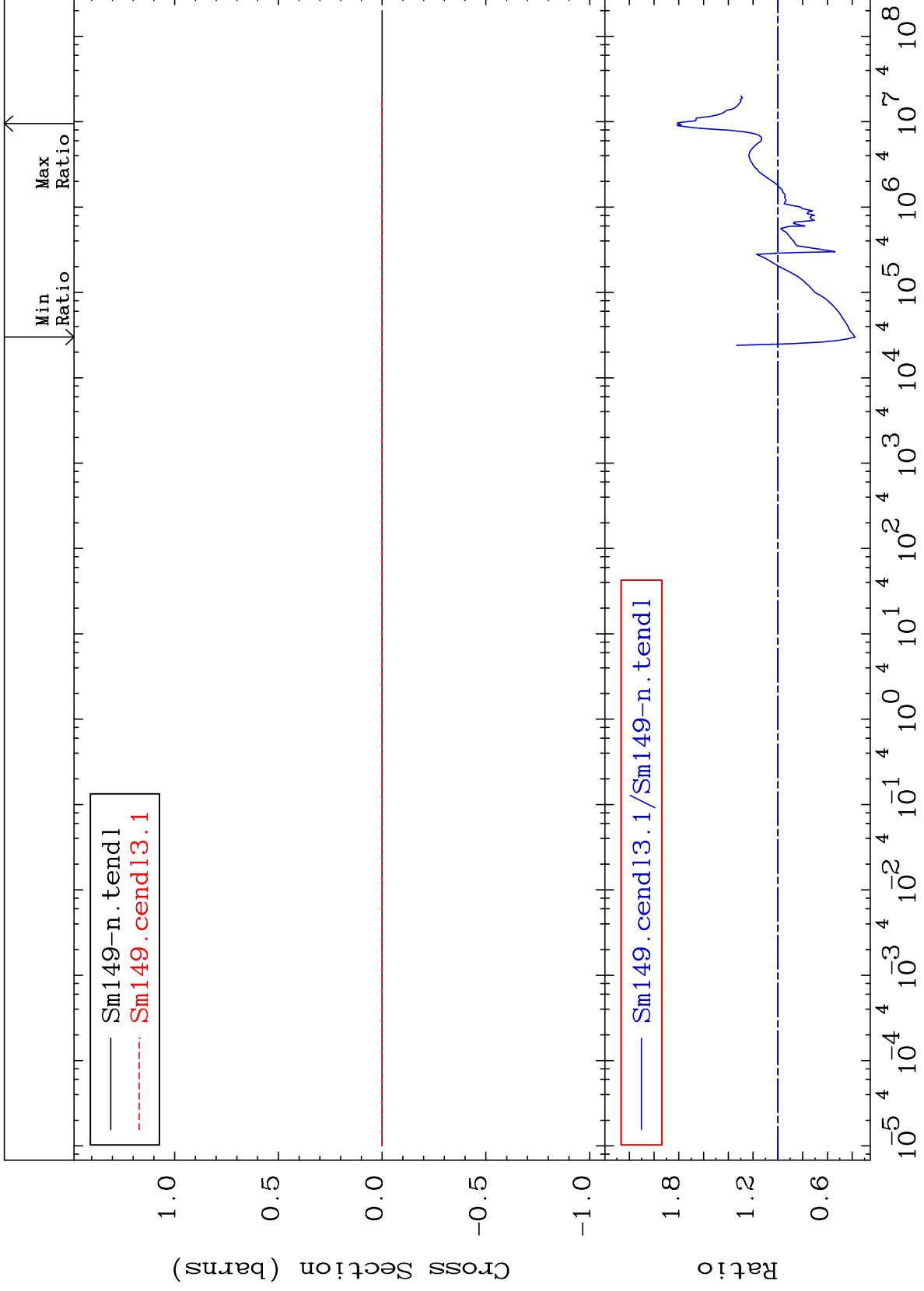
62-Sm-149
-62.37 To 81.53 %



MAT 6240

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

62-Sm-149
-62.37 To 81.53 %



40

Incident Energy (eV)

62-Sm-149

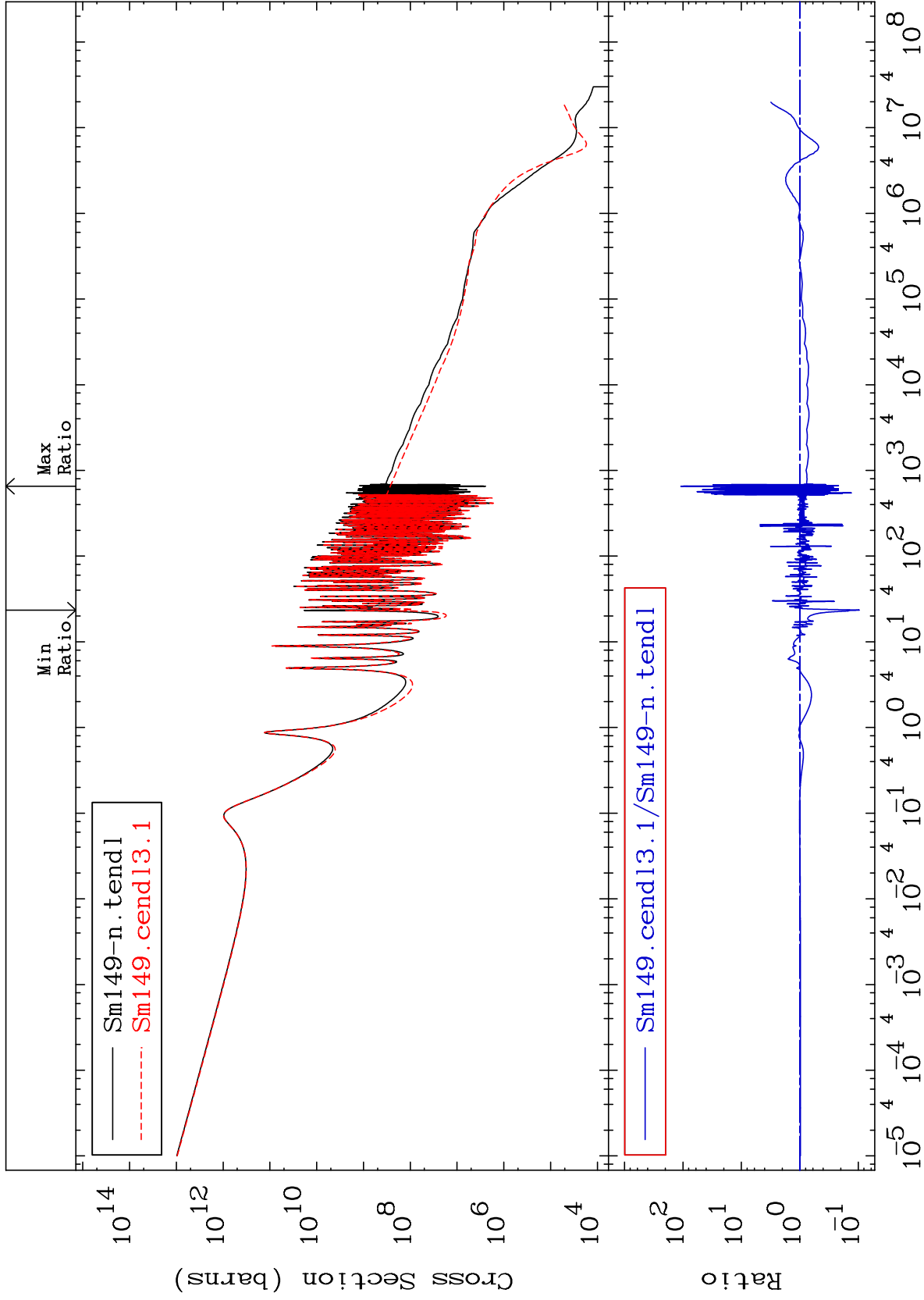
MAT 6240

Kerma capture (mt102)

62-Sm-149

-90.47 To 9999. %

Cross Section



41

Incident Energy (eV)

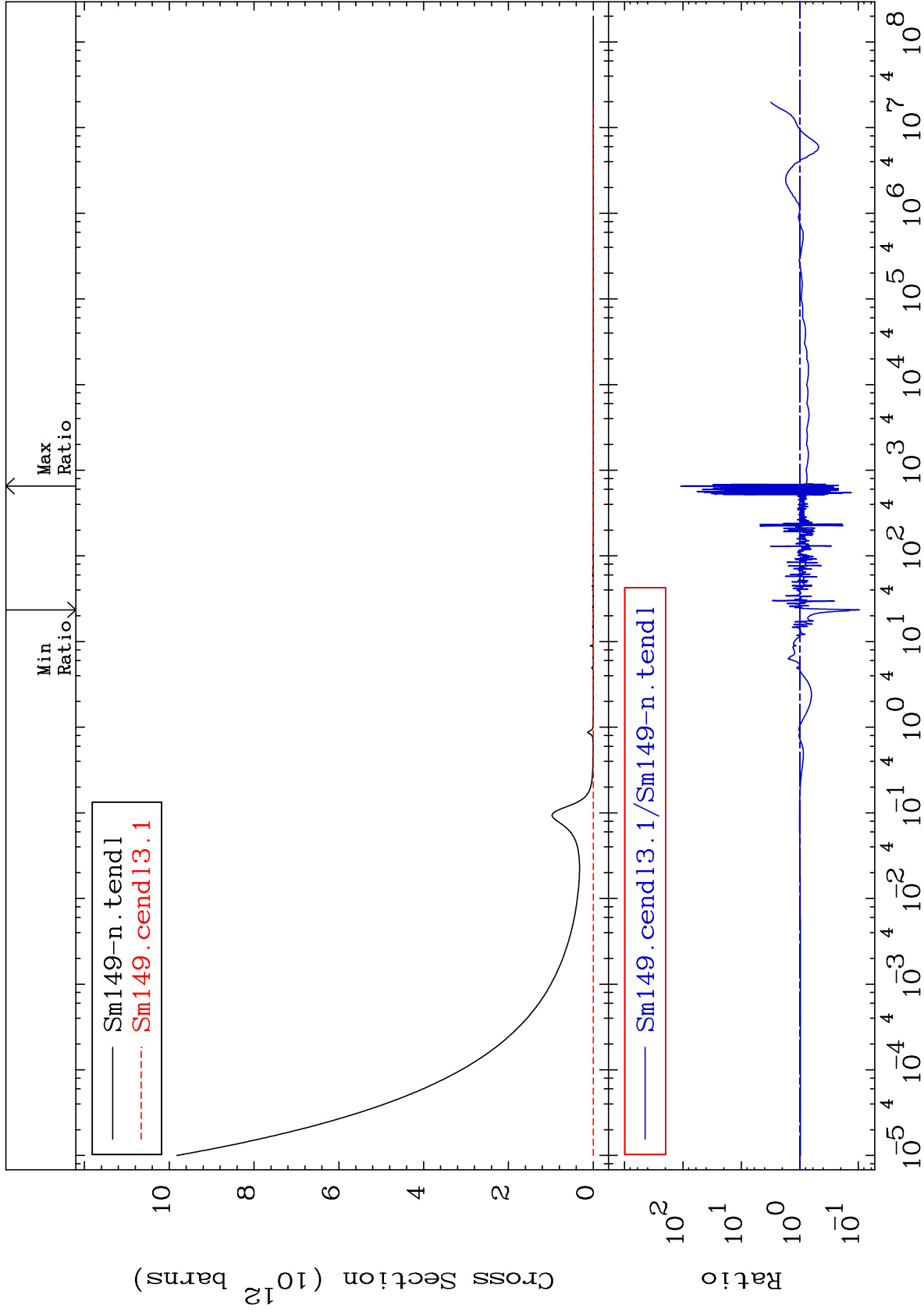
62-Sm-149

MAT 6240

Total photon (eV-barns)
Cross Section

62-Sm-149

-90.47 To 9999. %



42

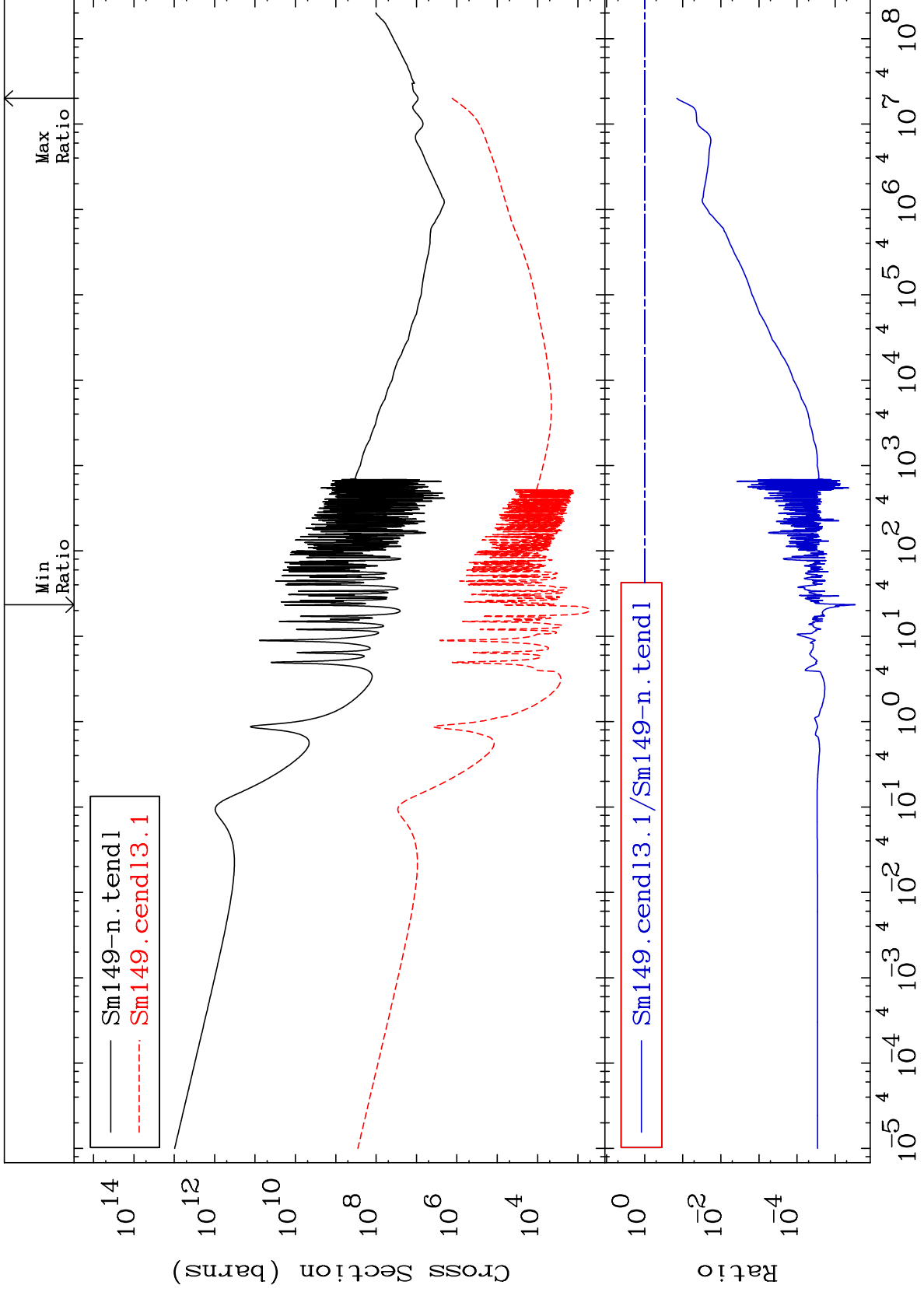
Incident Energy (eV)

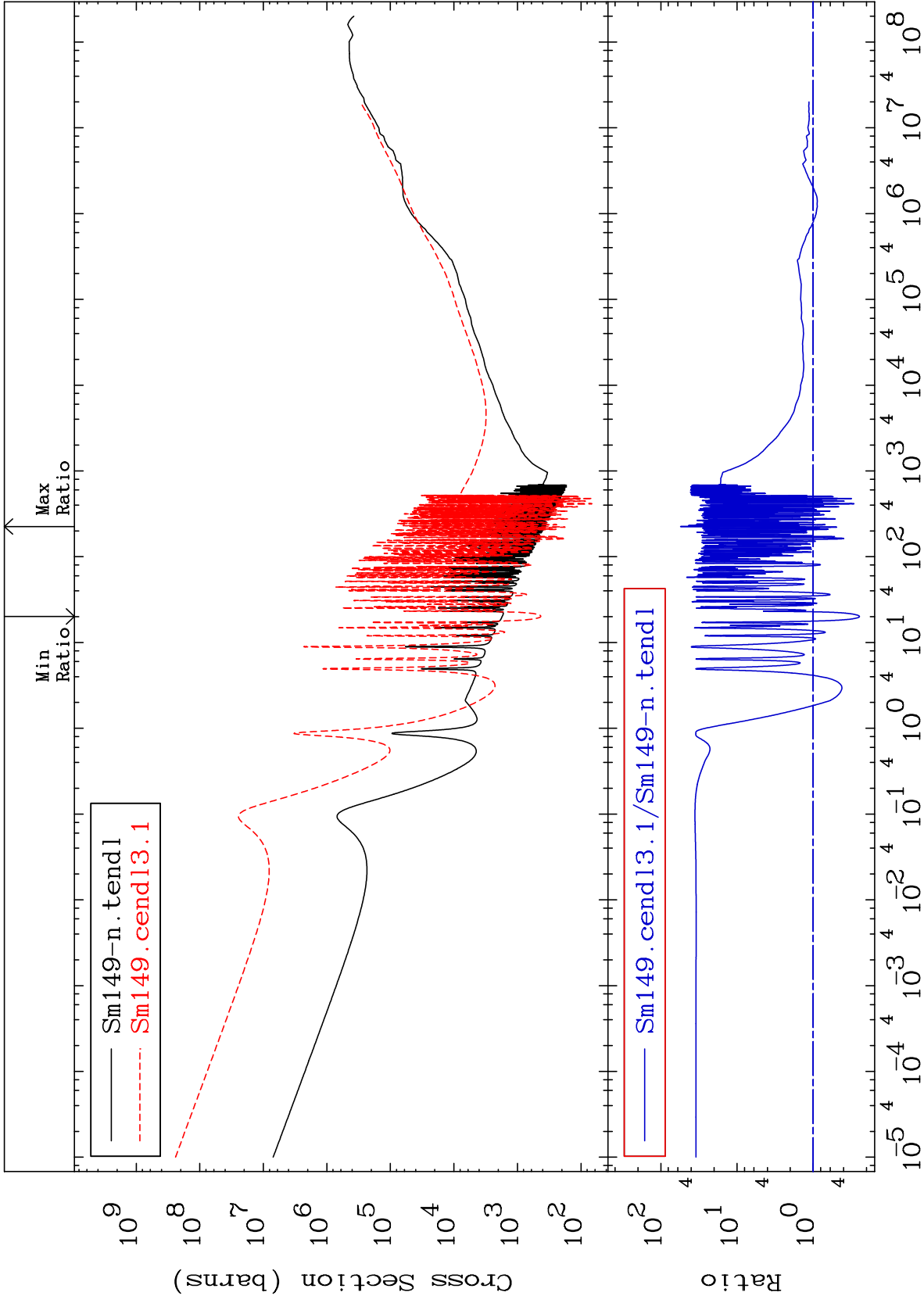
62-Sm-149

MAT 6240

Total kinematic kerma (high limit)
Cross Section

62-Sm-149
-100.0 To -85.80%

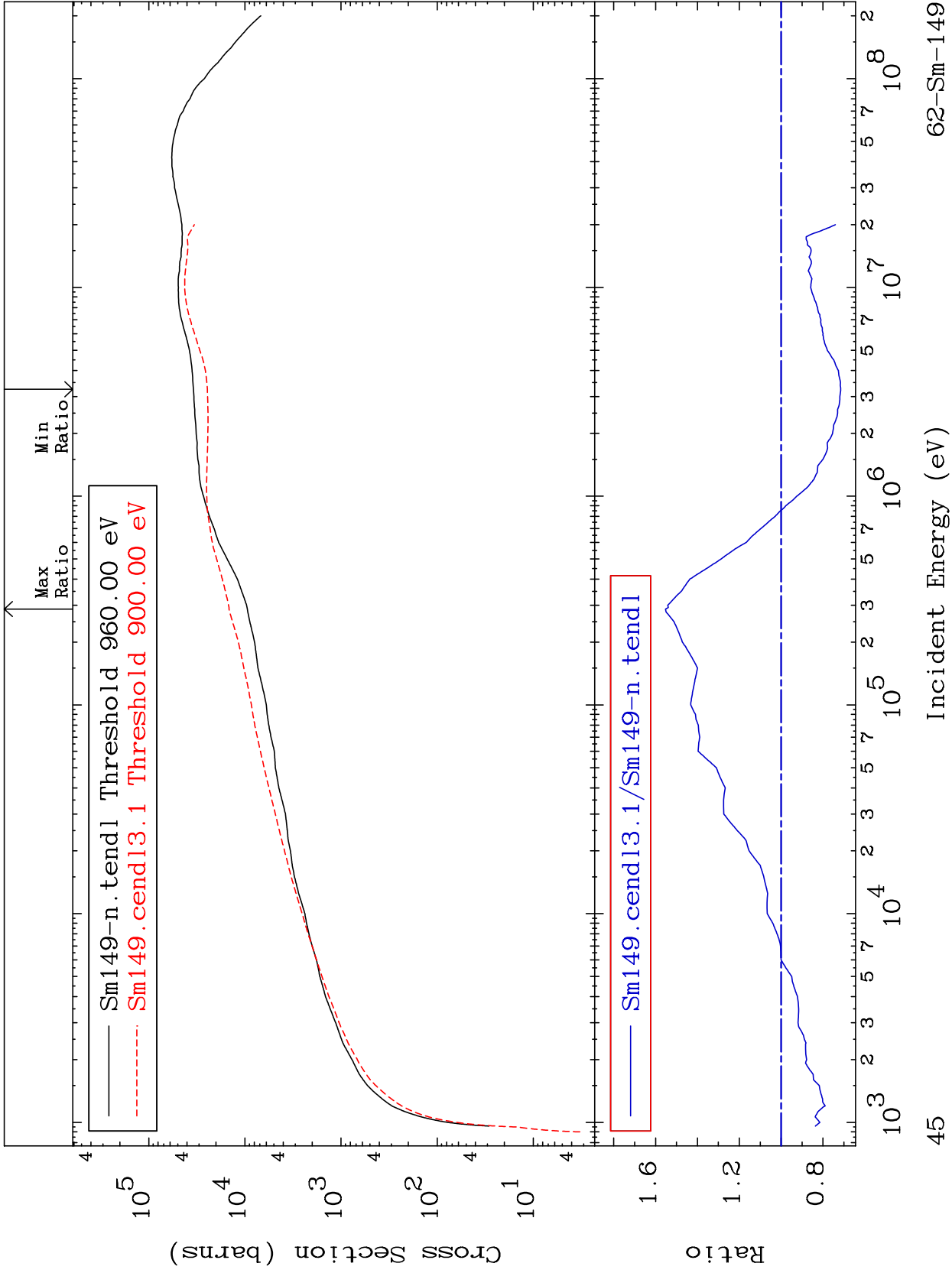




MAT 6240

Dpa elastic (mt2)
Cross Section

62-Sm-149
-28.46 To 55.26 %



45

Incident Energy (eV)

62-Sm-149

MAT 6240

Dpa inelastic (mt51-91)
Cross Section

62-Sm-149
-62.35 To 221.7 %

