

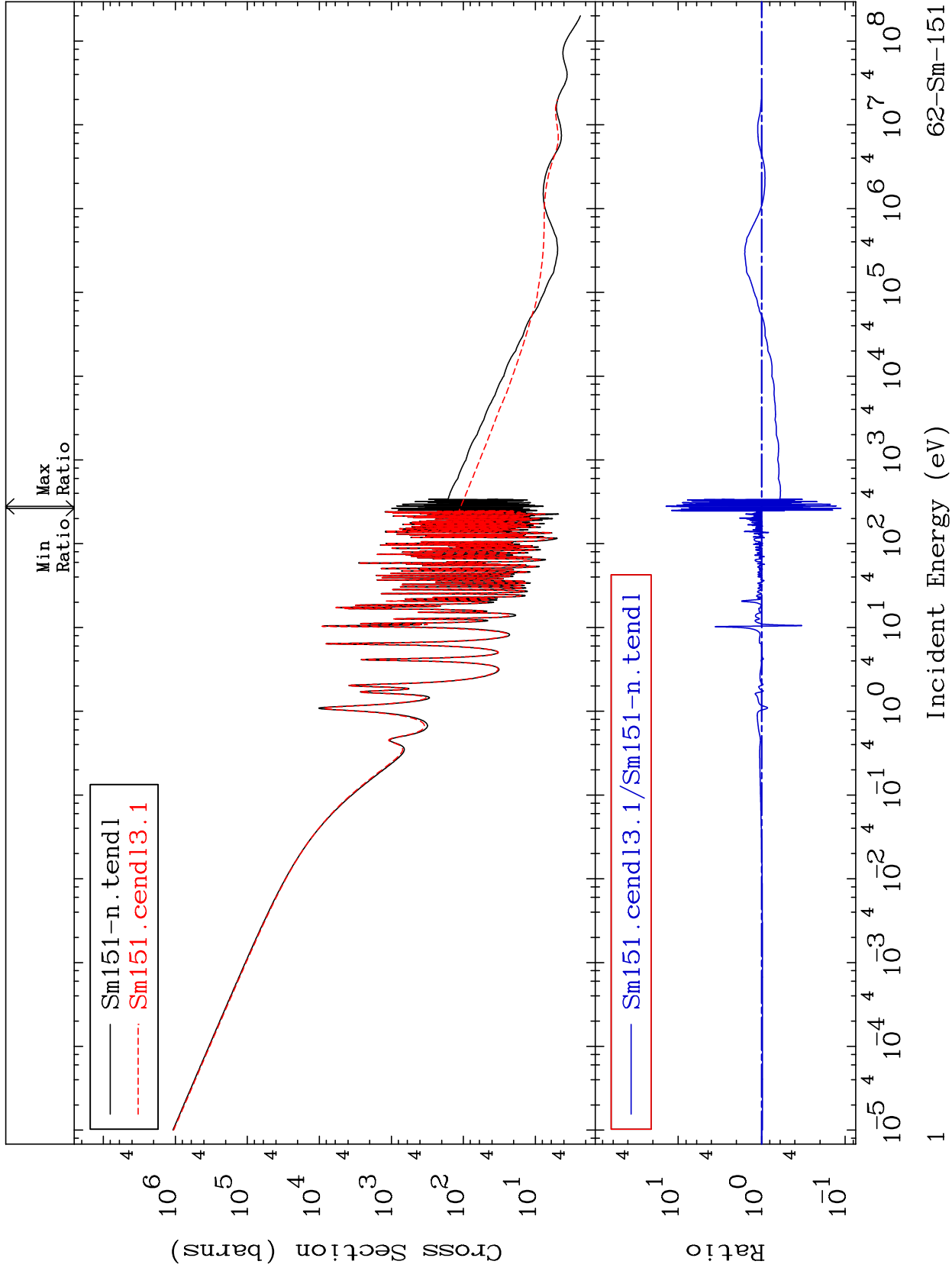
MAT 6246

Total

62-Sm-151

Cross Section

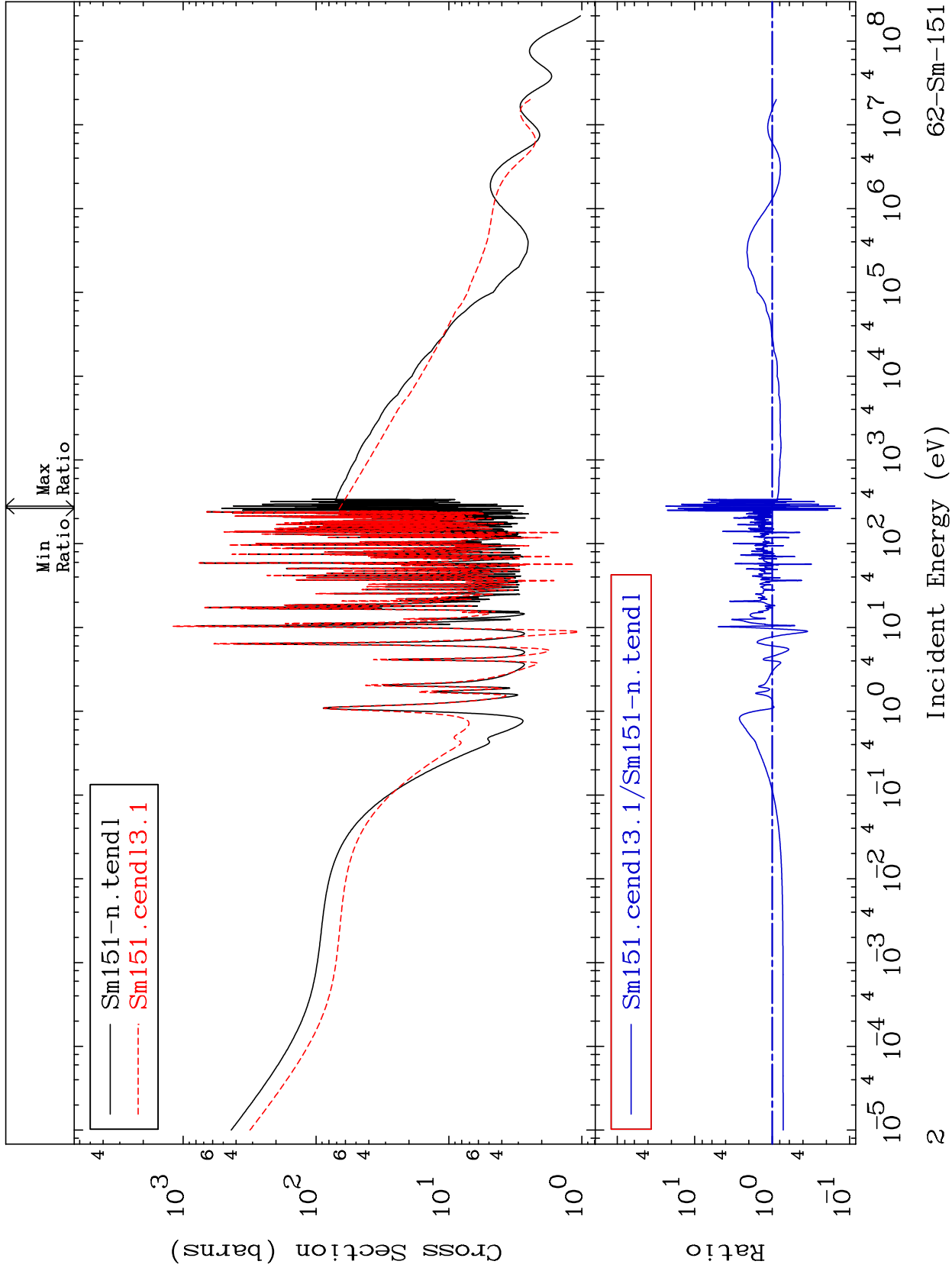
-88.74 To 1297. %



MAT 6246

Elastic
Cross Section

62-Sm-151
-87.02 To 2250. %

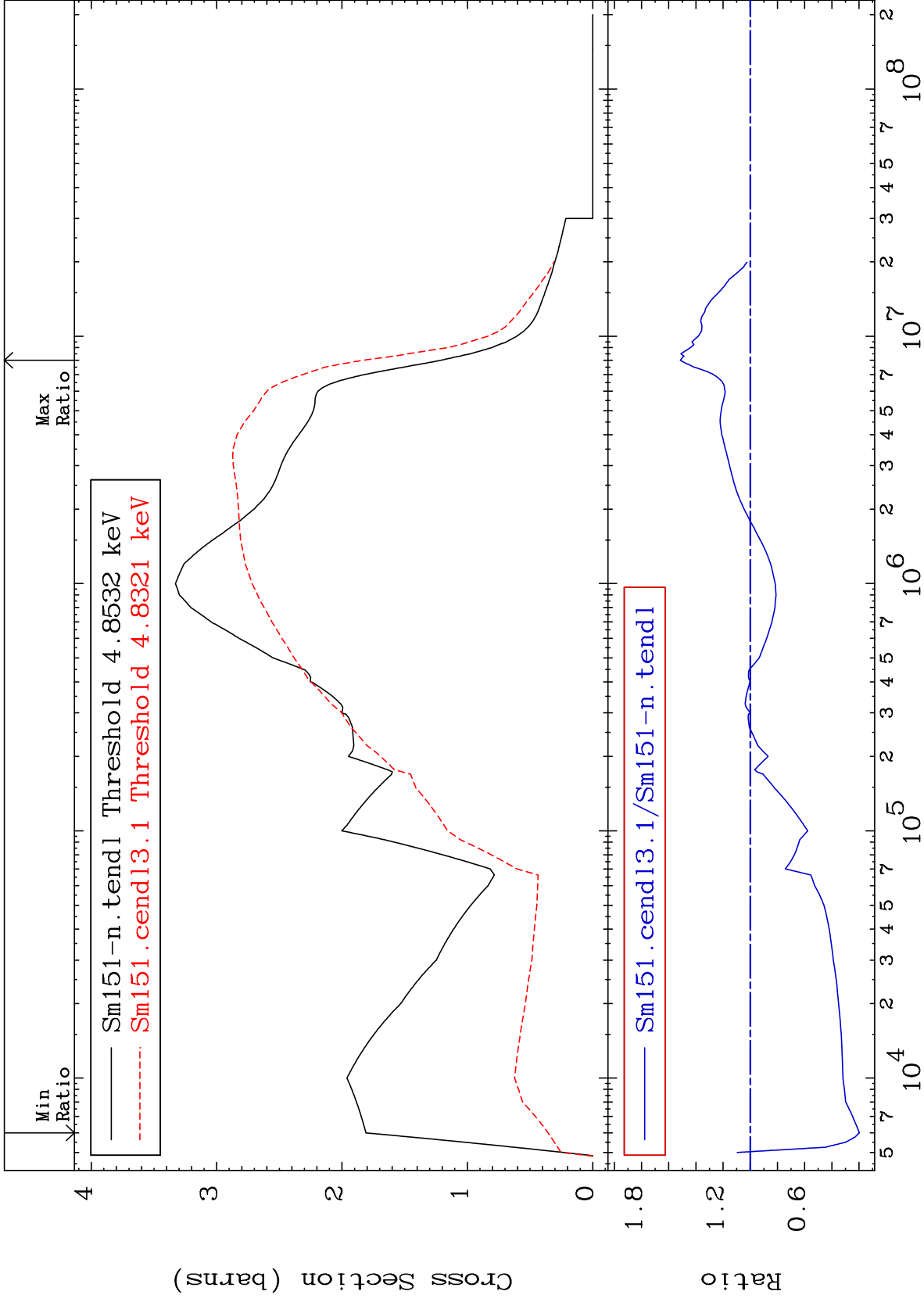


62-Sm-151

MAT 6246

Inelastic
Cross Section

62-Sm-151
-80.33 To 51.44 %



3

62-Sm-151

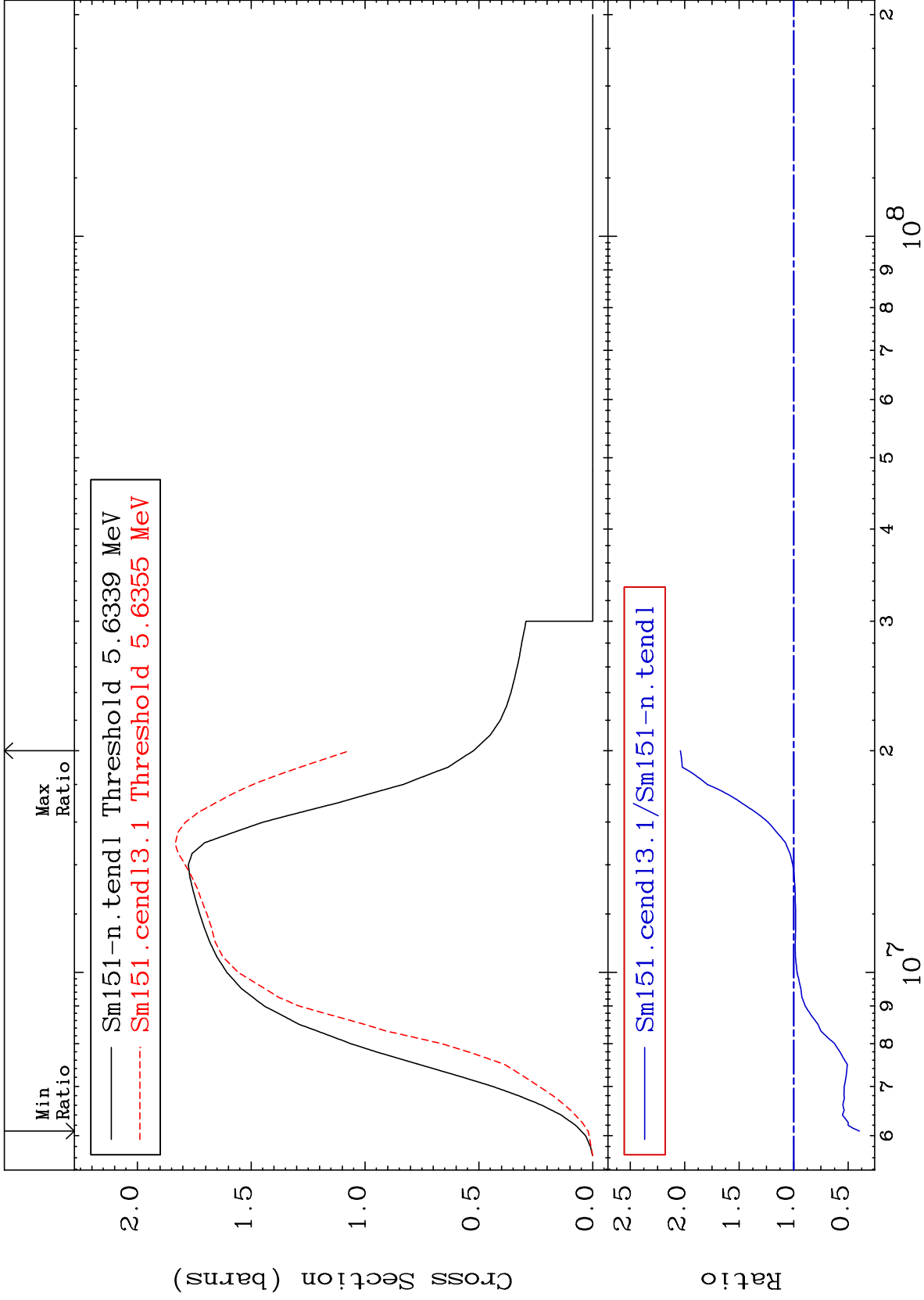
MAT 6246

(n,2n)

62-Sm-151

Cross Section

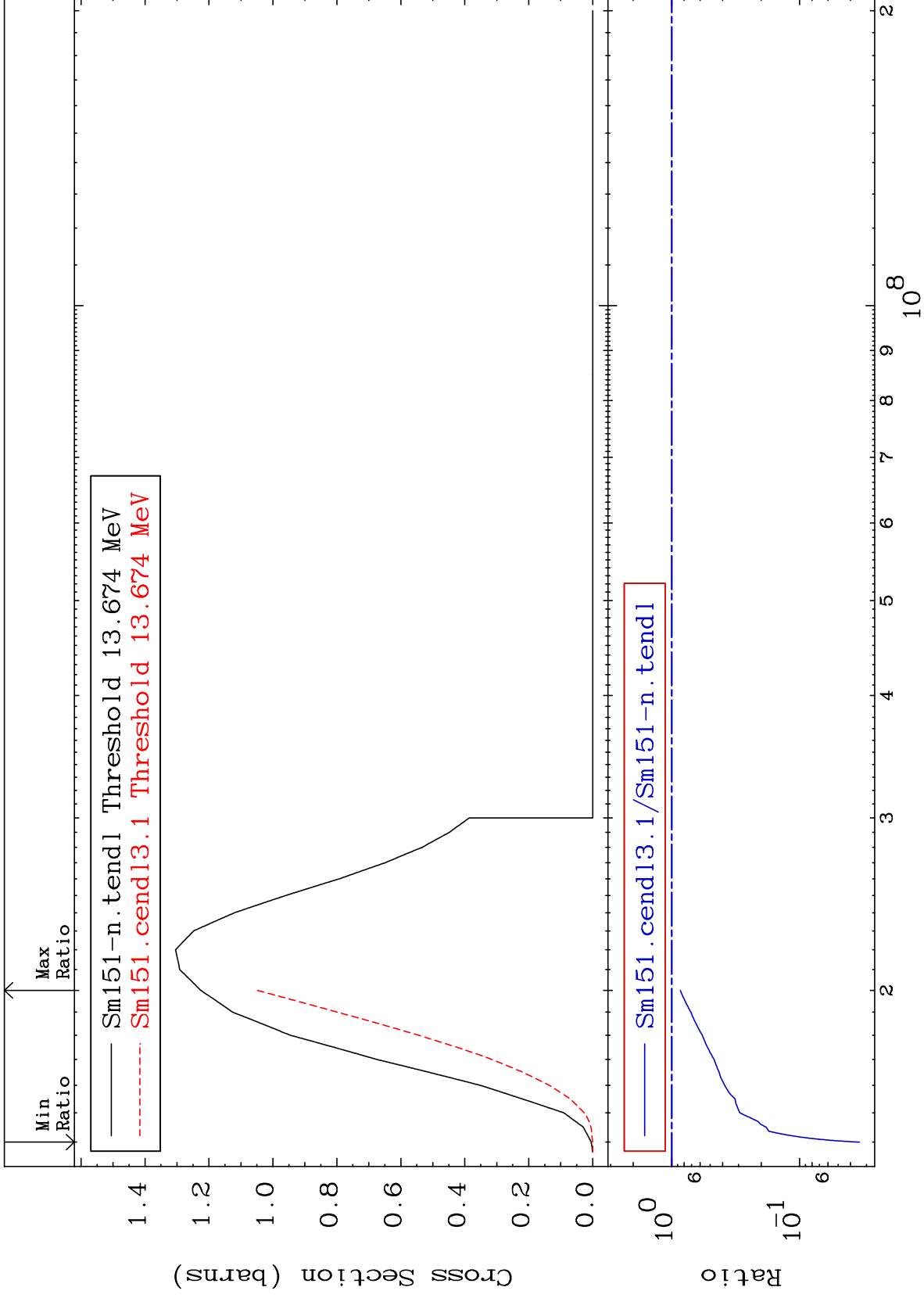
-60.32 To 104.0 %



4

Incident Energy (eV)

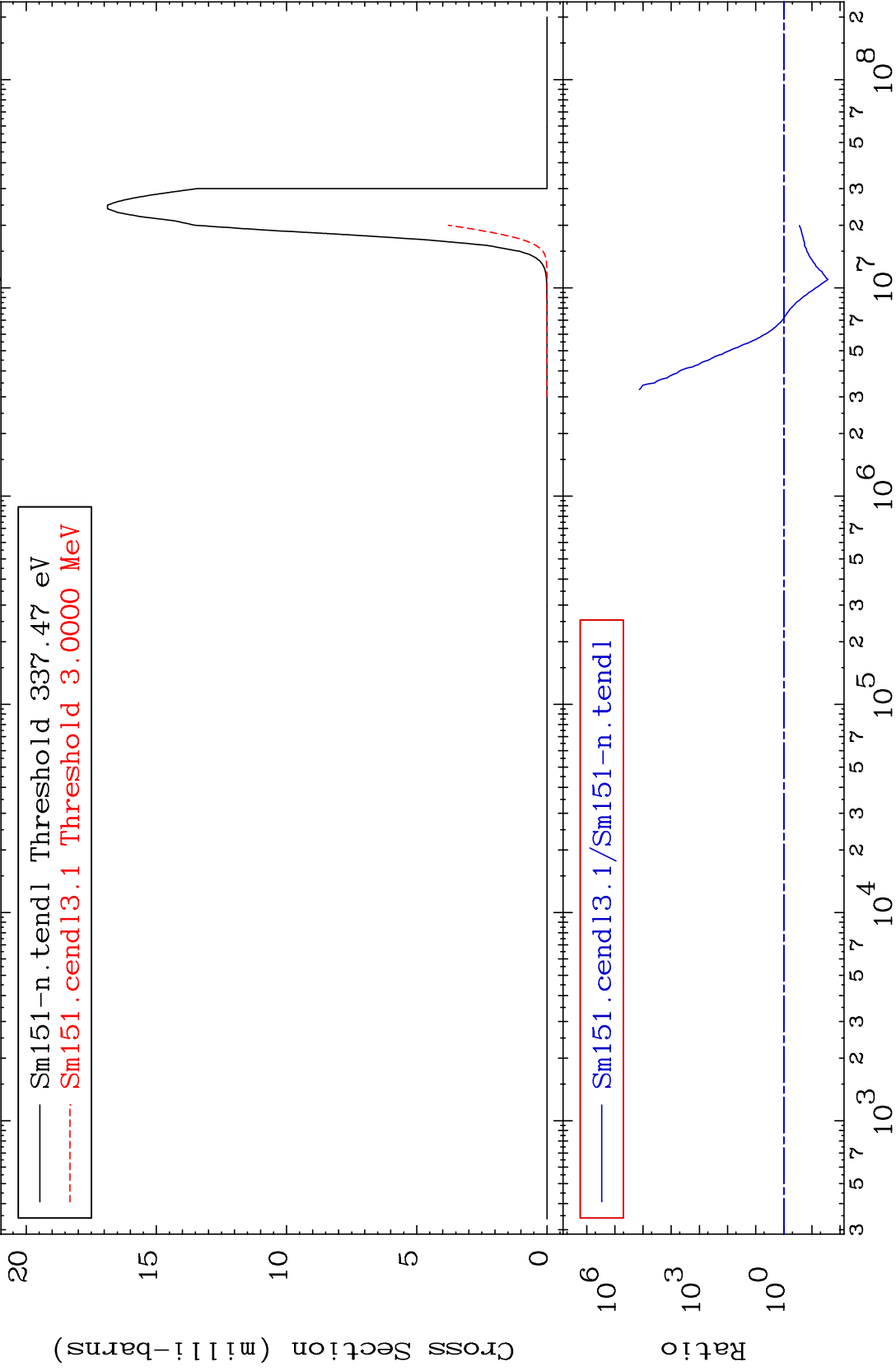
62-Sm-151



MAT 6246

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

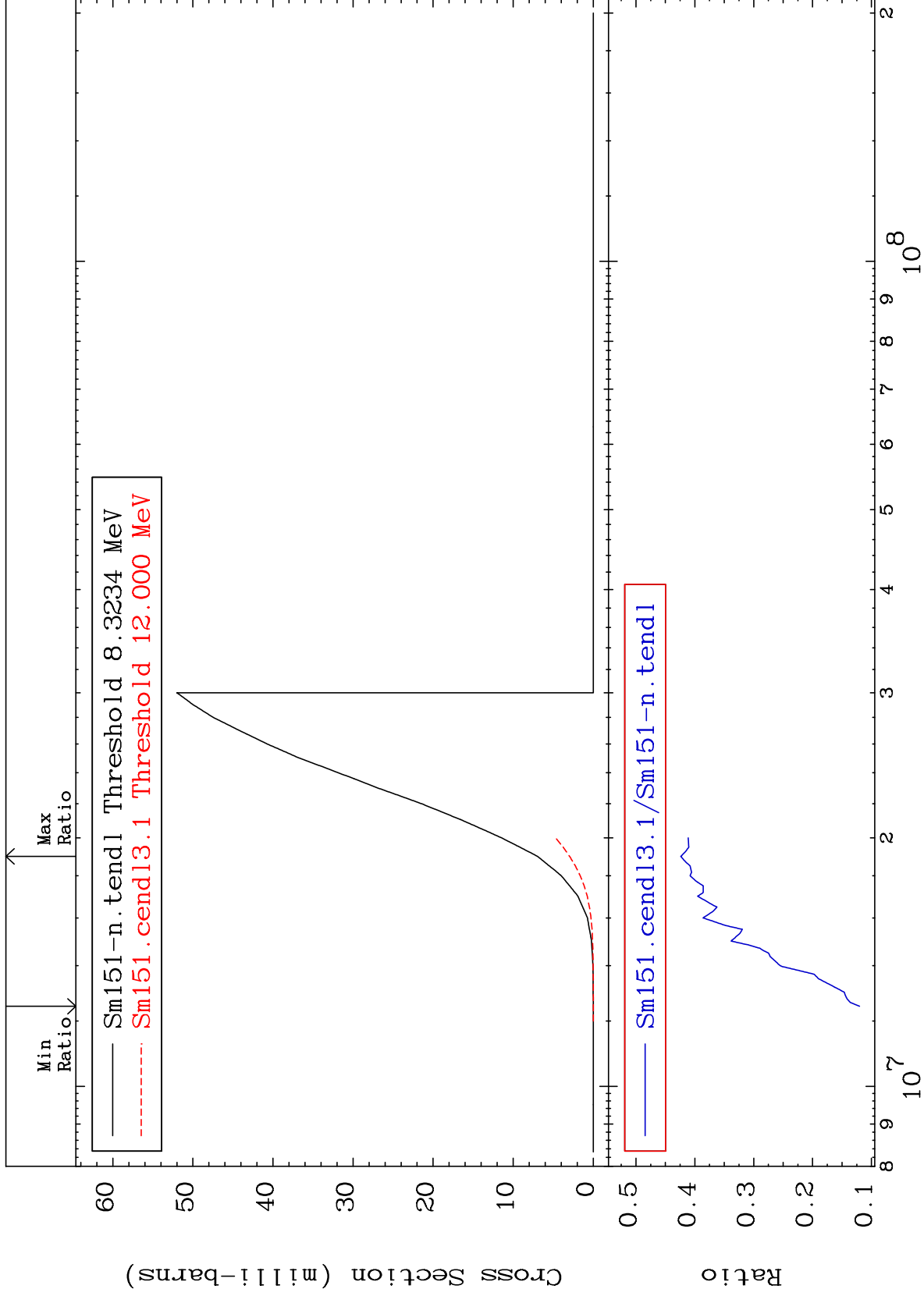
62-Sm-151
-97.30 To 9999. %



MAT 6246

(n,n') p
Cross Section

62-Sm-151
-87.97 To -57.61%



7

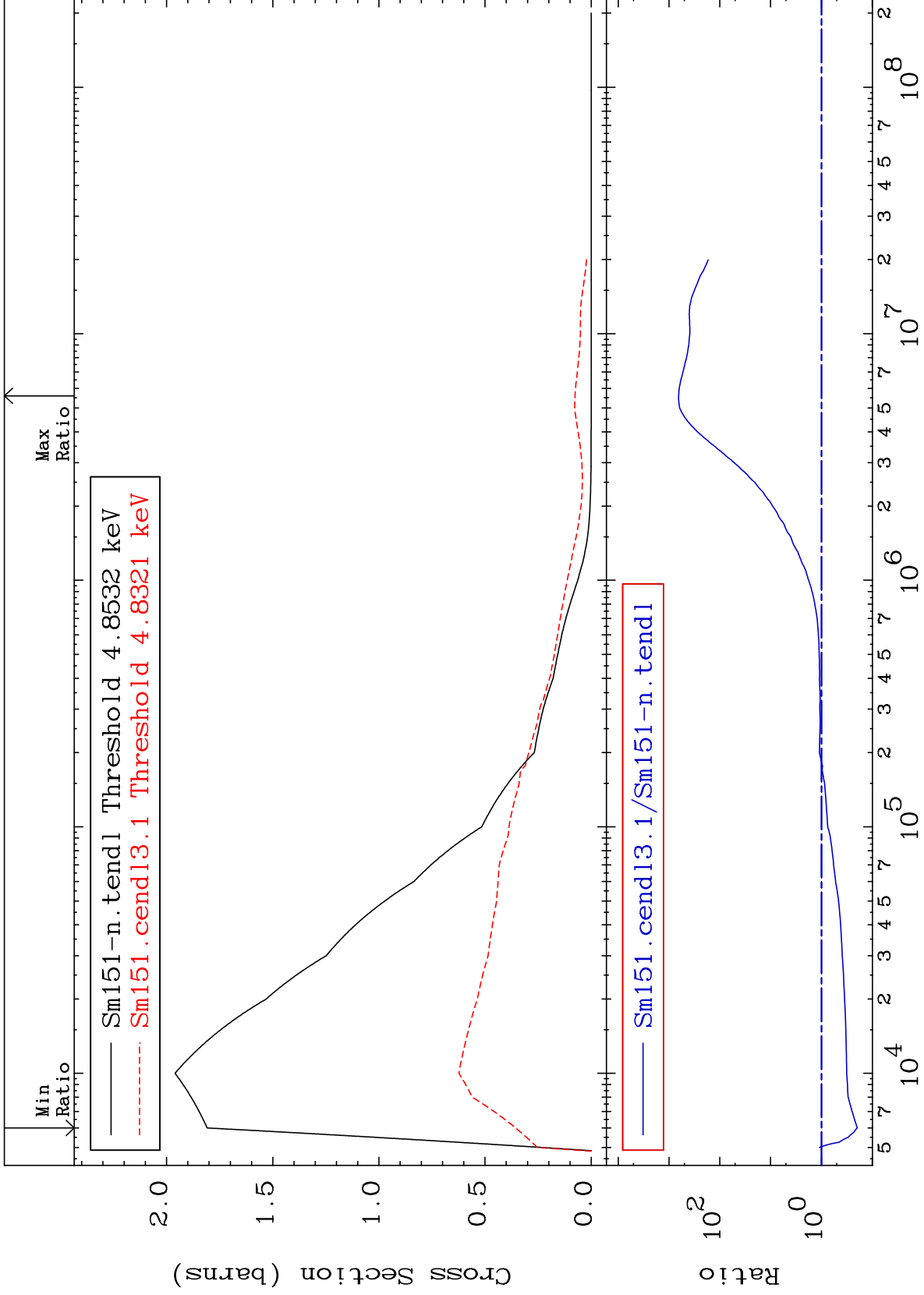
Incident Energy (eV)

62-Sm-151

MAT 6246

4.821 keV (n,n') Level
Cross Section

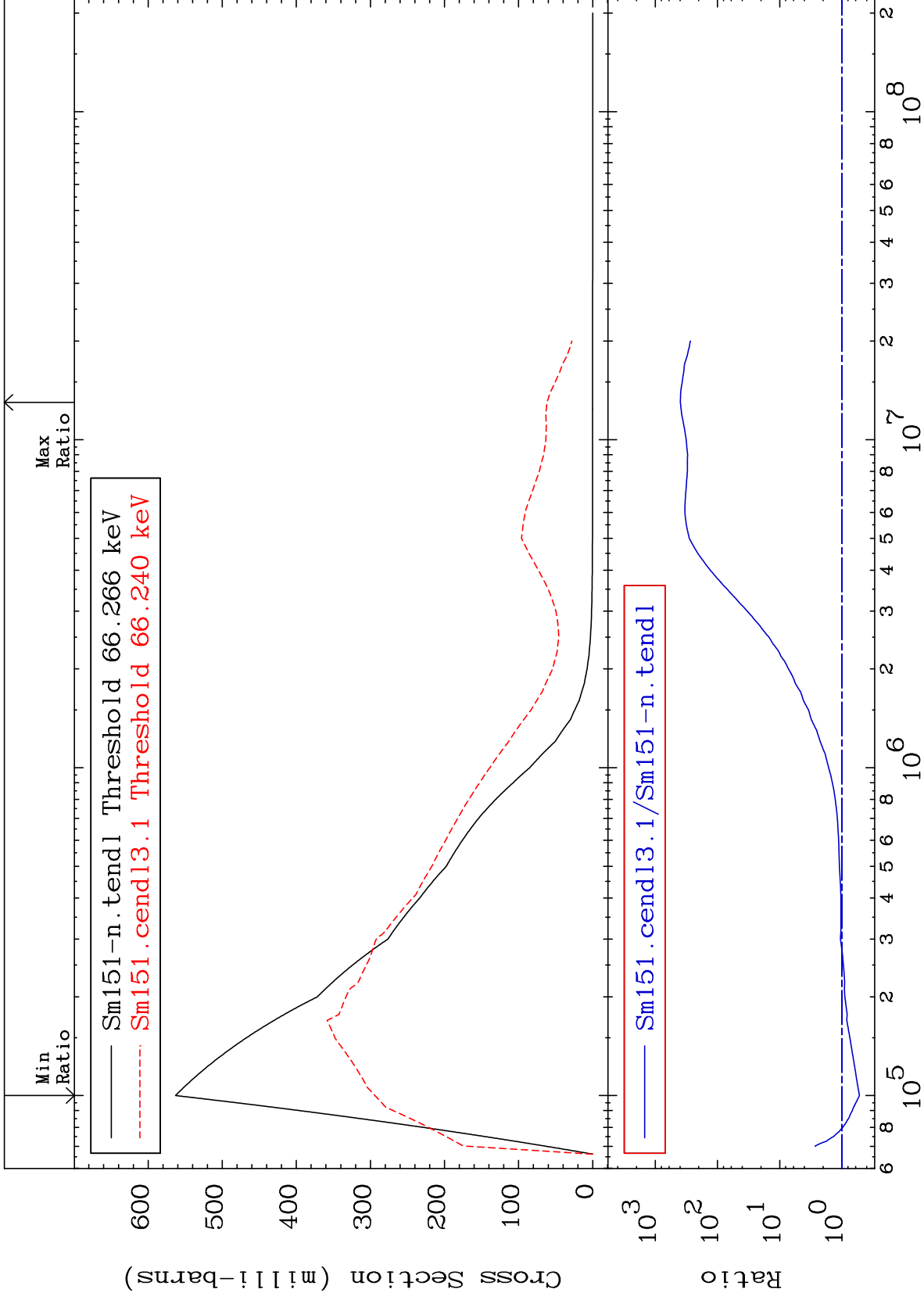
62-Sm-151
-80.33 To 9999. %



MAT 6246

65.83 keV (n,n') Level
Cross Section

62-Sm-151
-47.80 To 9999. %

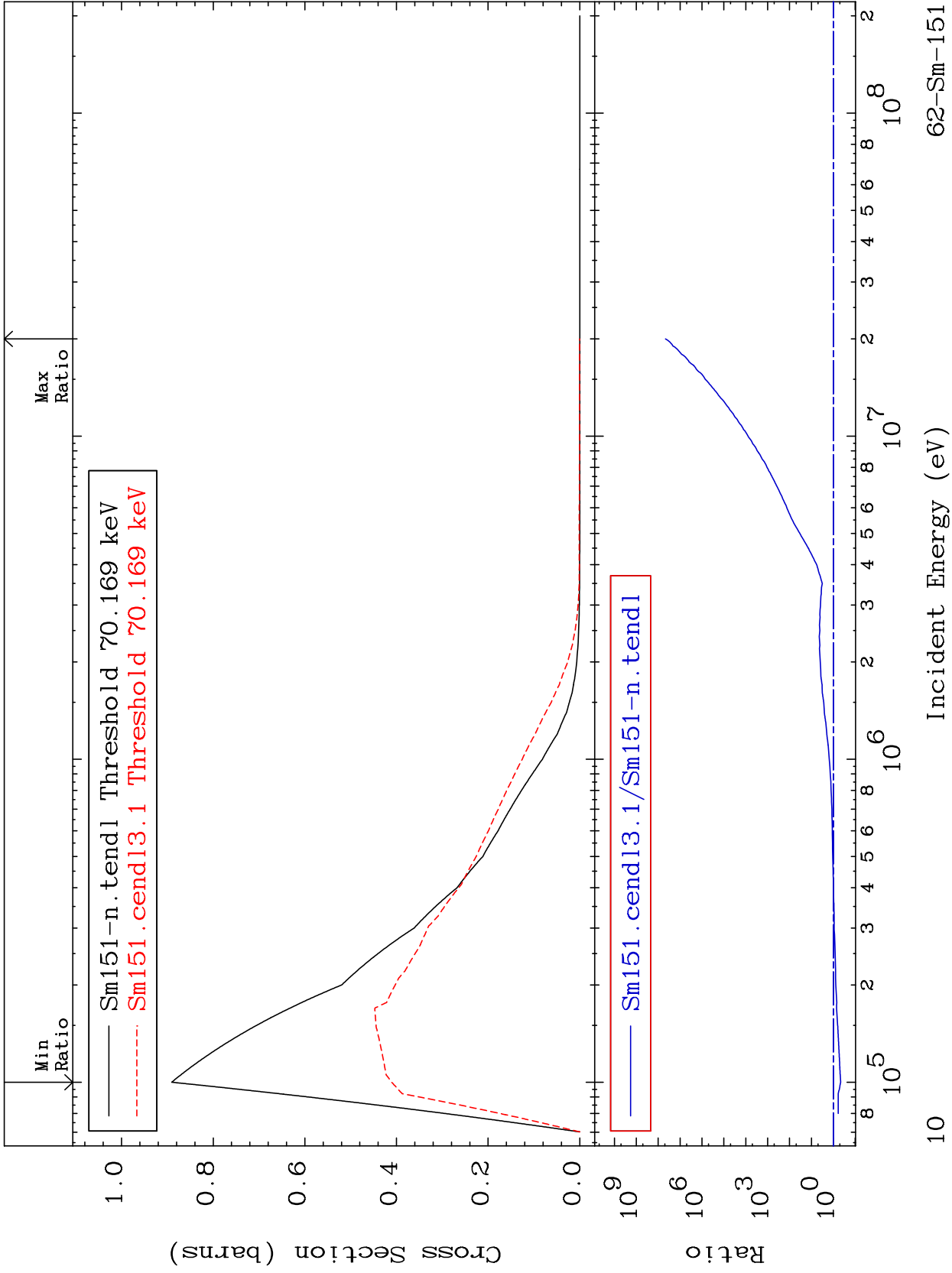


62-Sm-151

MAT 6246

69.70 keV (n,n') Level
Cross Section

62-Sm-151
-53.91 To 9999. %



10

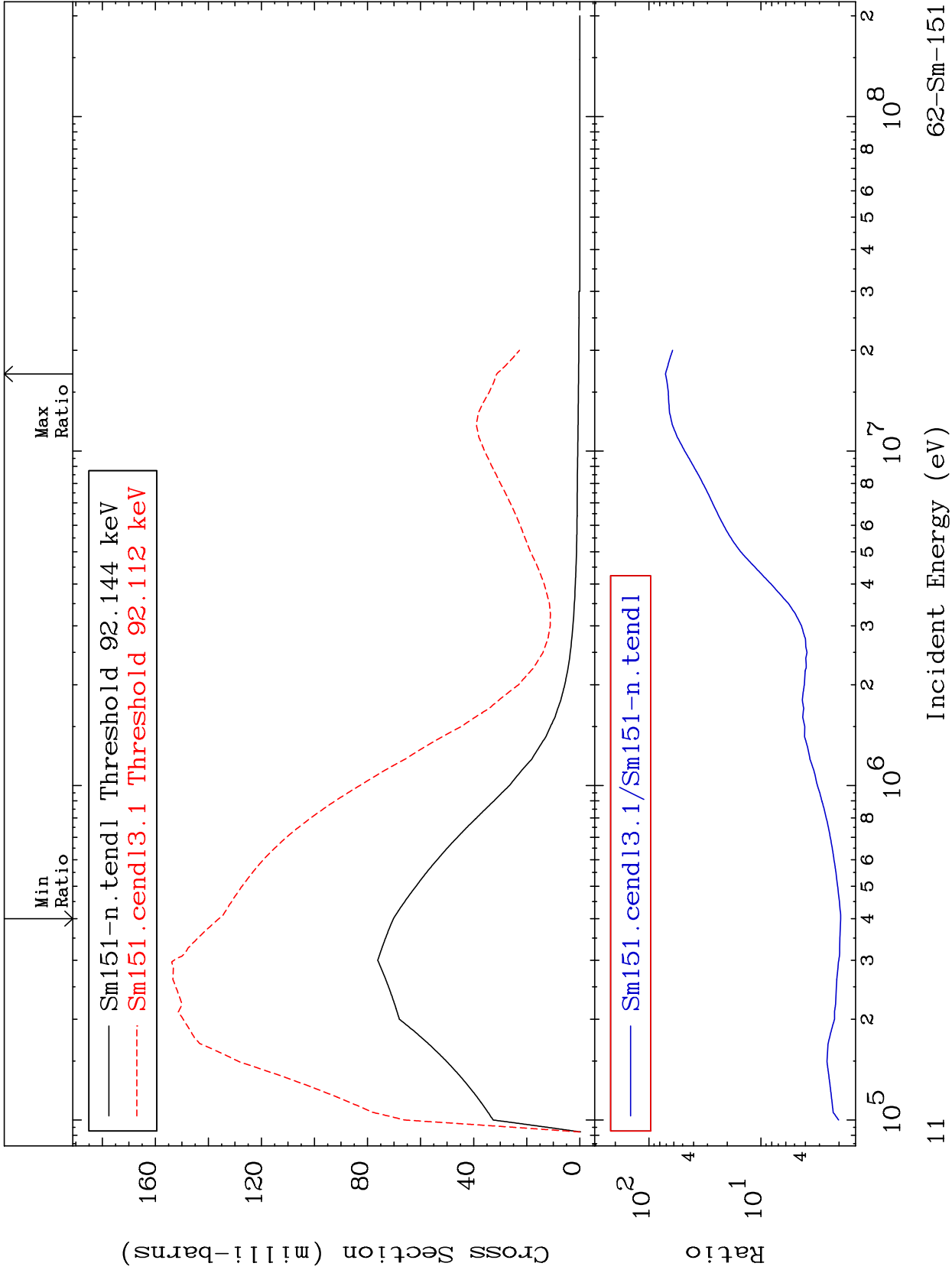
Incident Energy (eV)

62-Sm-151

MAT 6246

91.53 keV (n,n') Level
Cross Section

62-Sm-151
93.59 To 7021. %



11

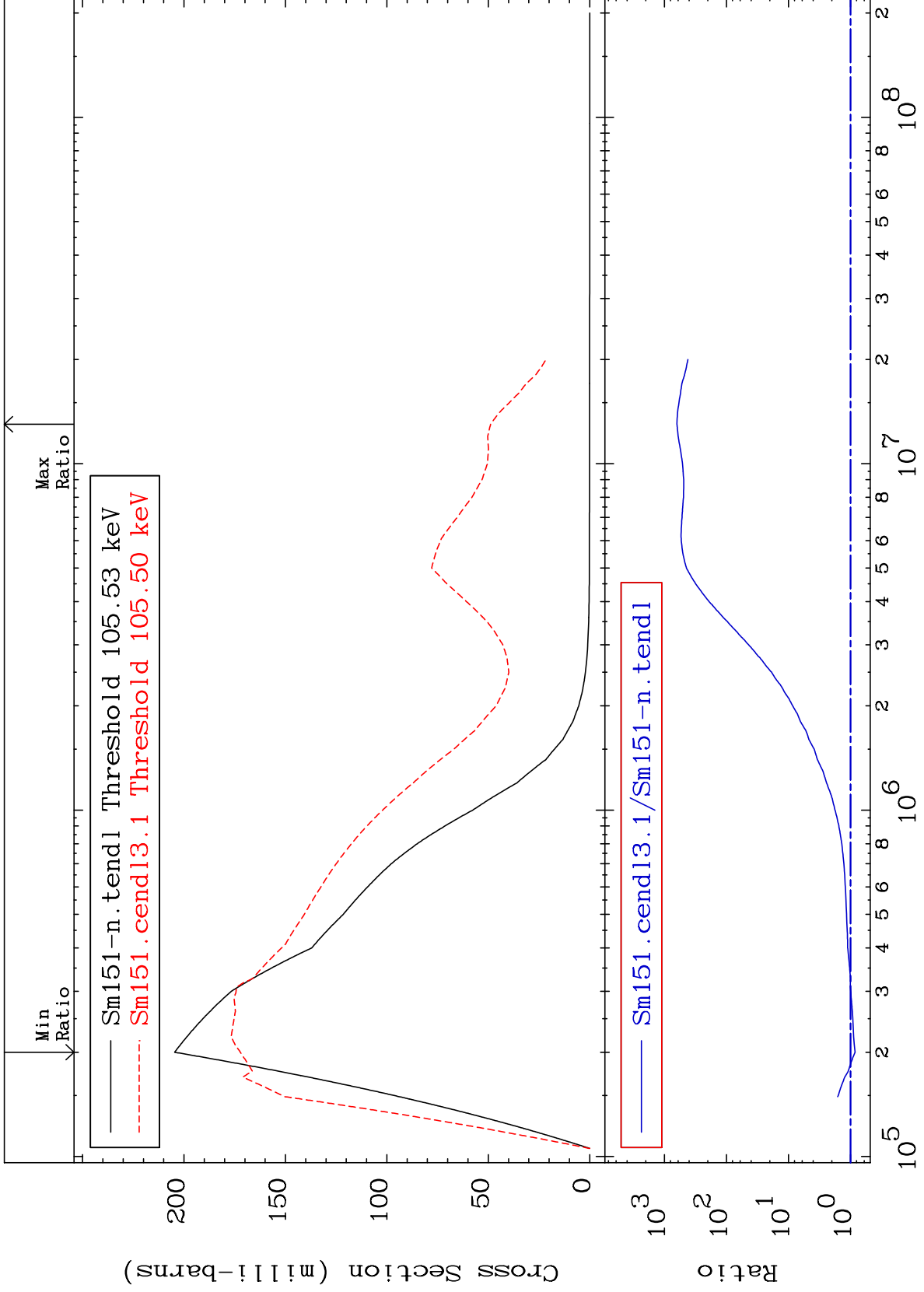
Incident Energy (eV)

62-Sm-151

MAT 6246

104.8 keV (n,n') Level
Cross Section

62-Sm-151
-15.84 To 9999. %



12

Incident Energy (eV)

62-Sm-151

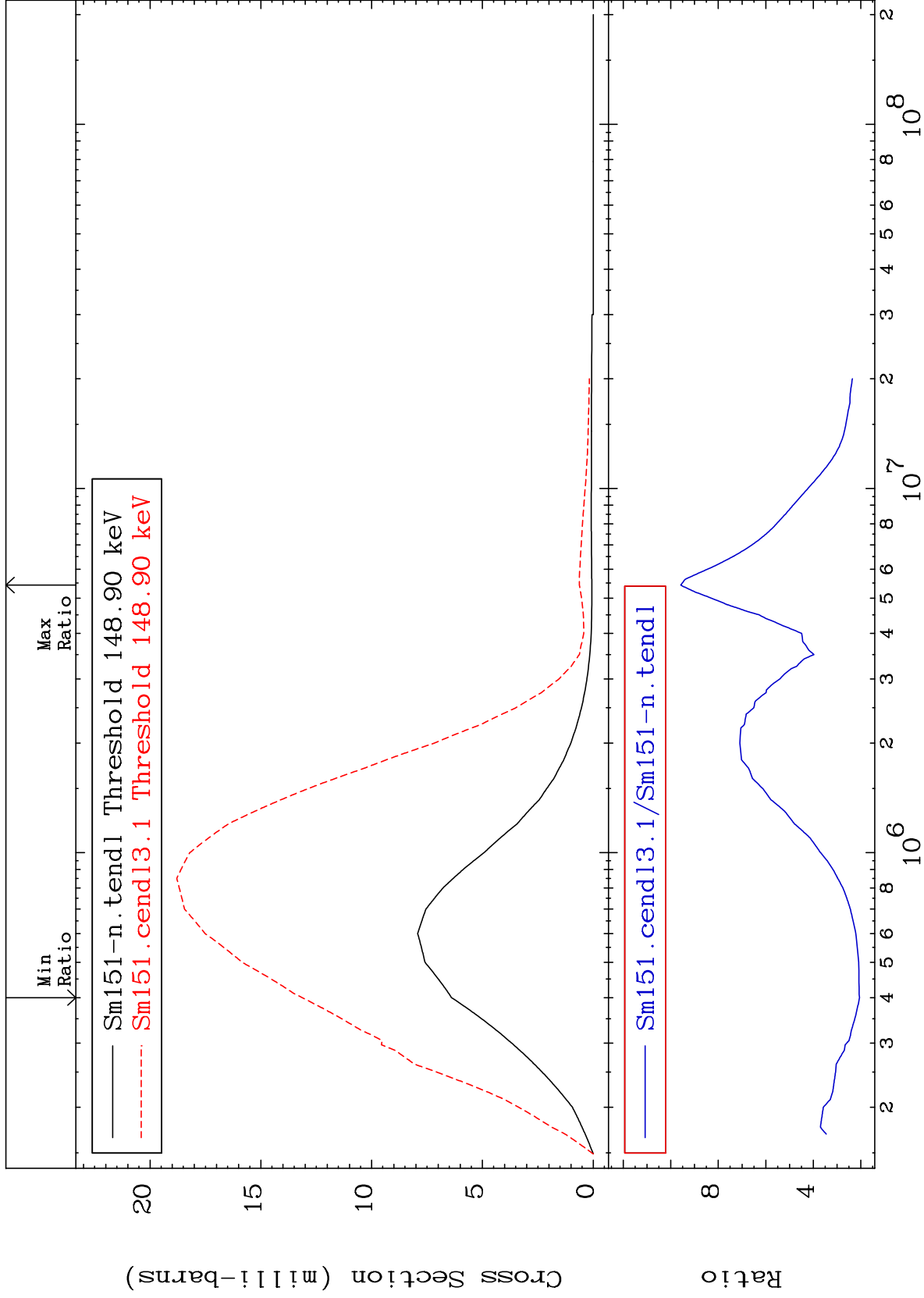
MAT 6246

147.9 keV (n,n') Level

62-Sm-151

105.4 To 857.9 %

Cross Section



13

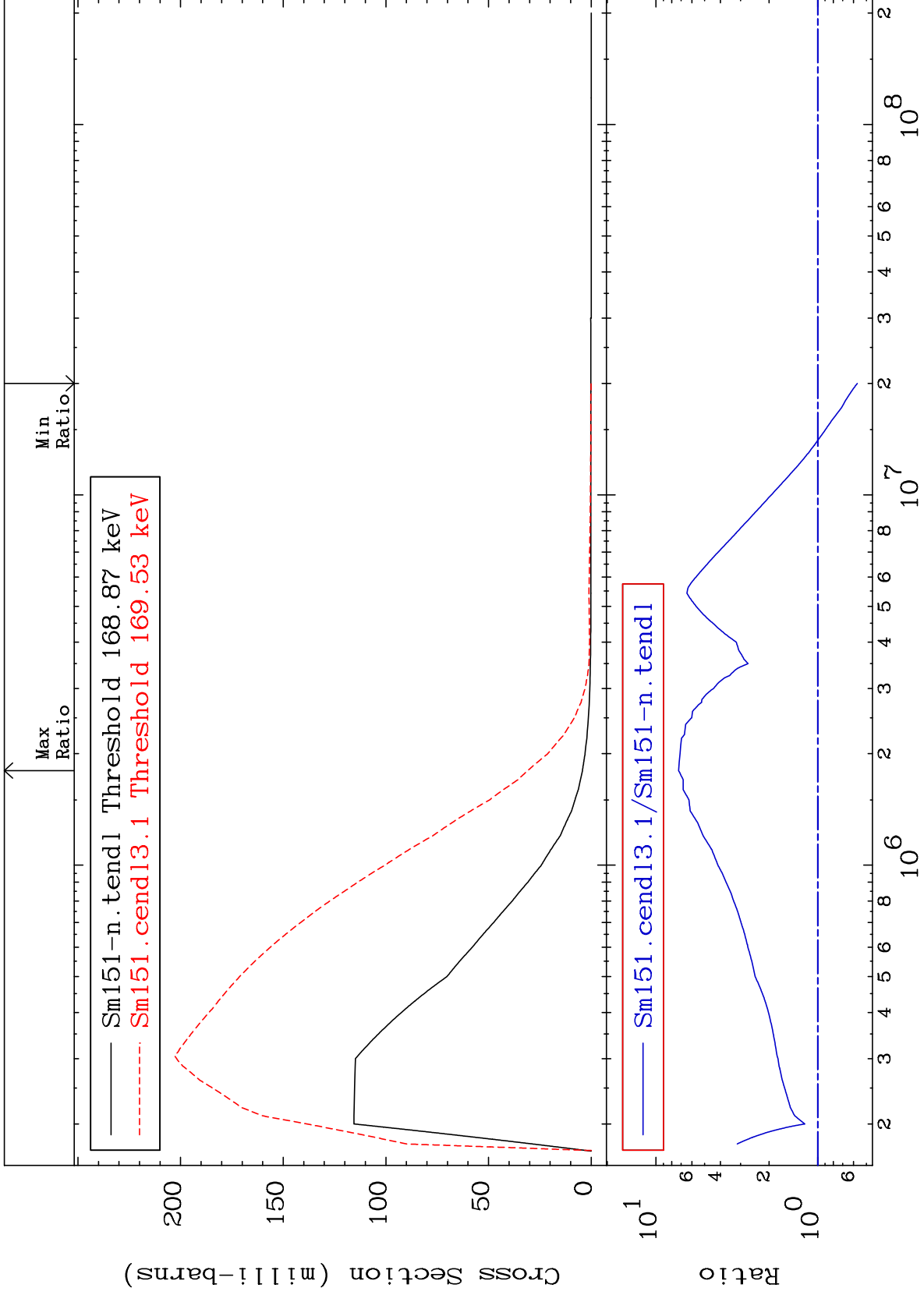
Incident Energy (eV)

62-Sm-151

MAT 6246

167.7 keV (n,n') Level
Cross Section

62-Sm-151
-43.11 To 624.1 %



14

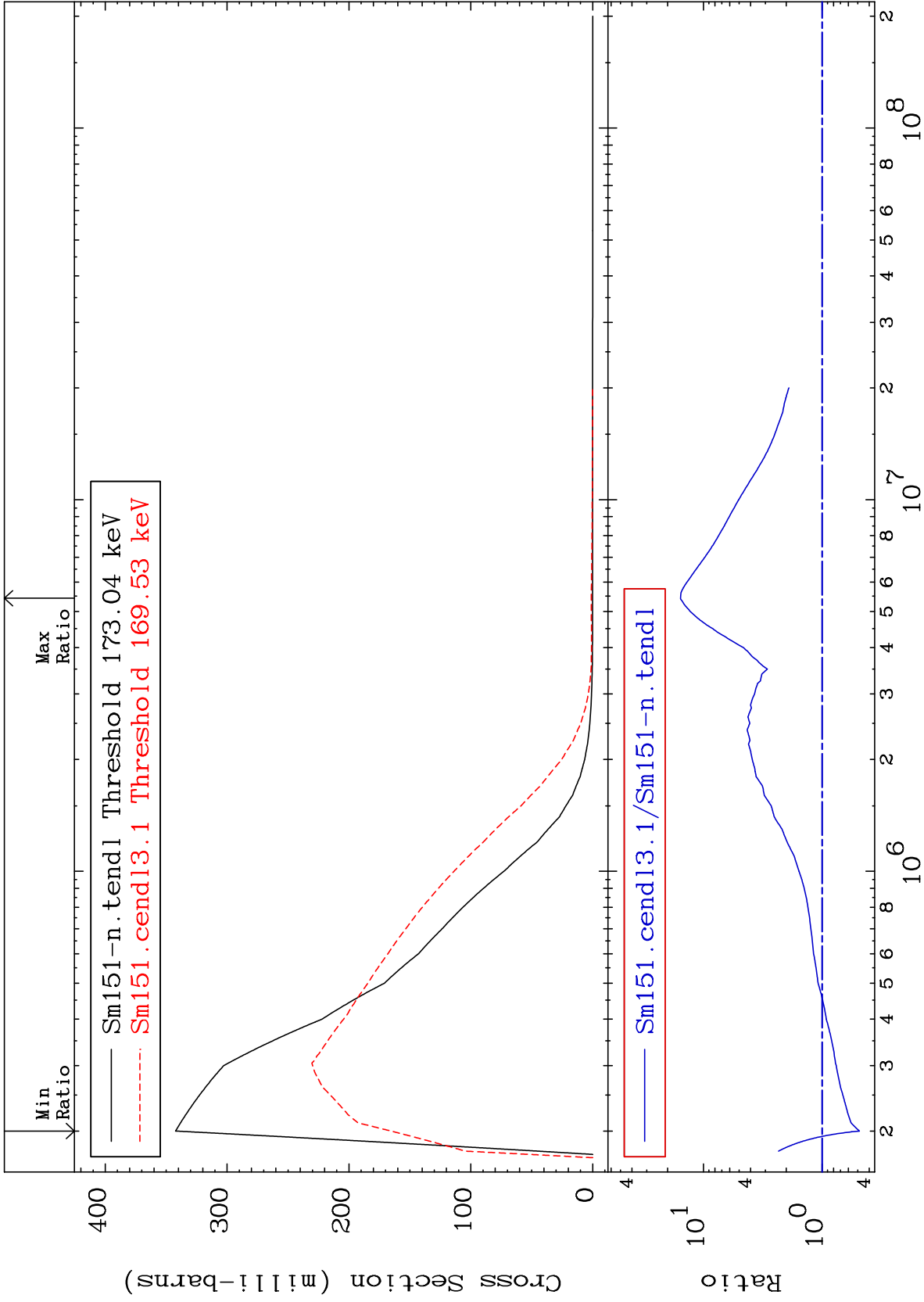
Incident Energy (eV)

62-Sm-151

MAT 6246

171.9 keV (n,n') Level
Cross Section

62-Sm-151
-51.64 To 1464. %



15

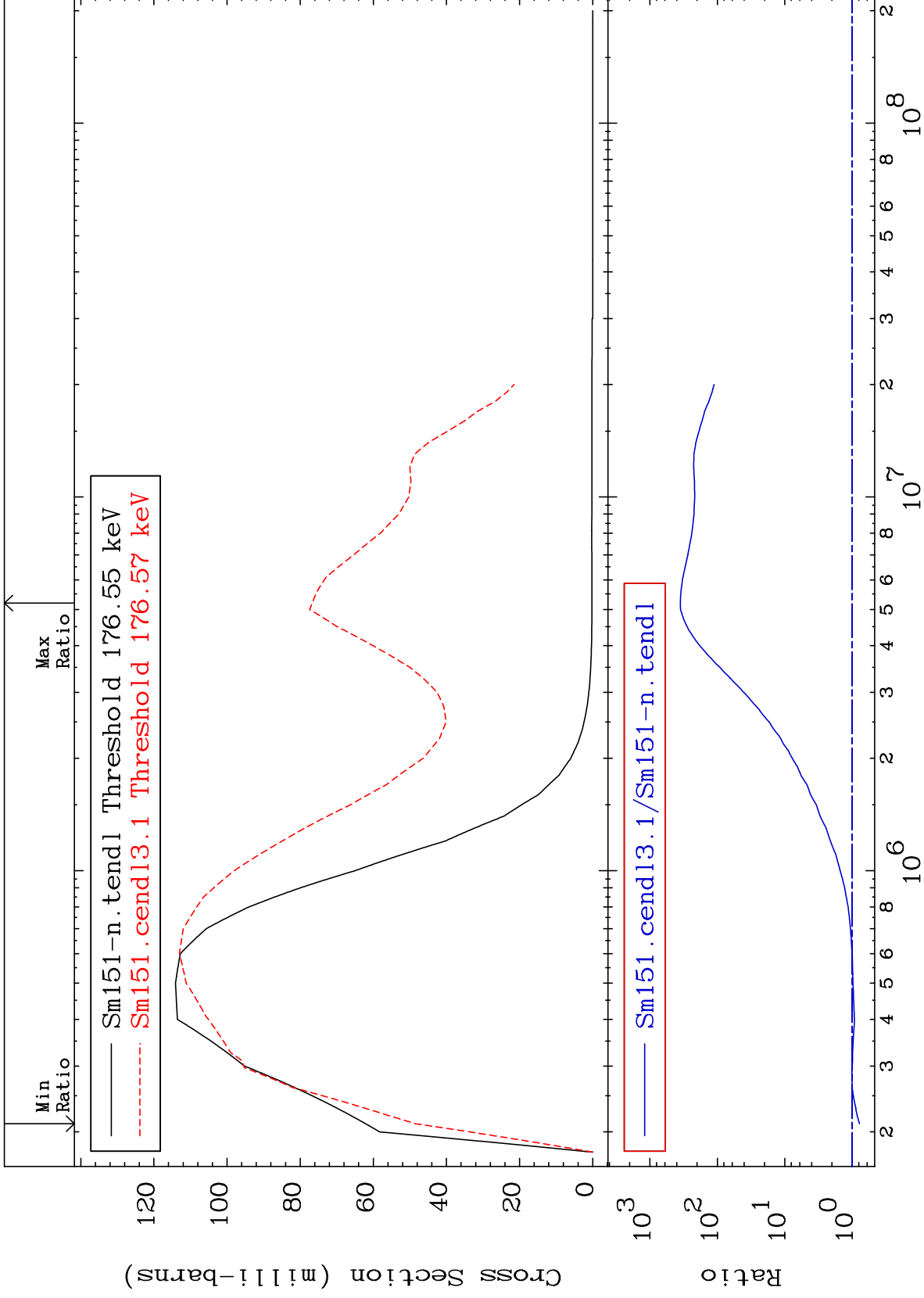
62-Sm-151

62-Sm-151

MAT 6246

175.4 keV (n,n') Level
Cross Section

62-Sm-151
-21.89 To 9999. %



16

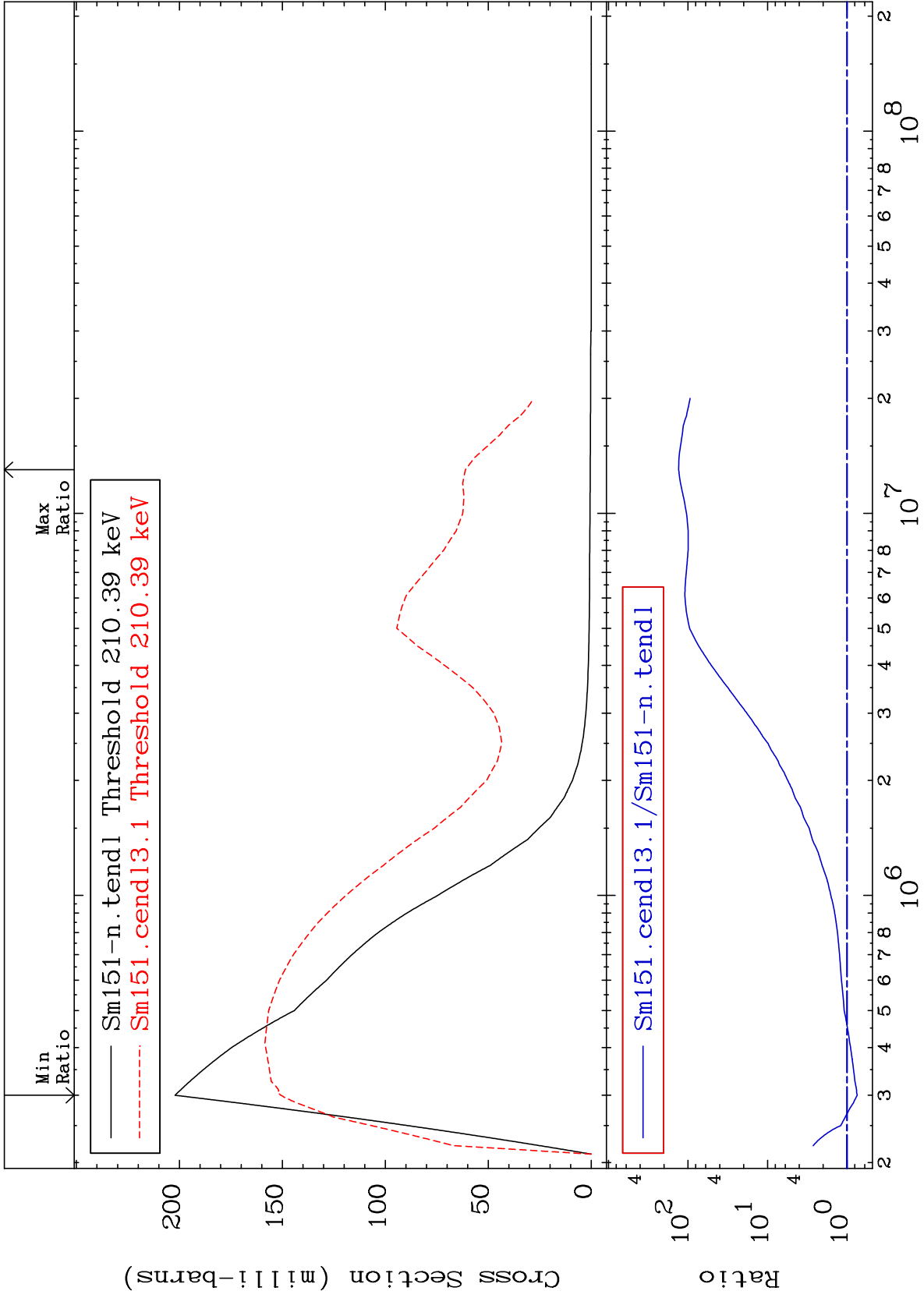
Incident Energy (eV)

62-Sm-151

MAT 6246

209.0 keV (n,n') Level
Cross Section

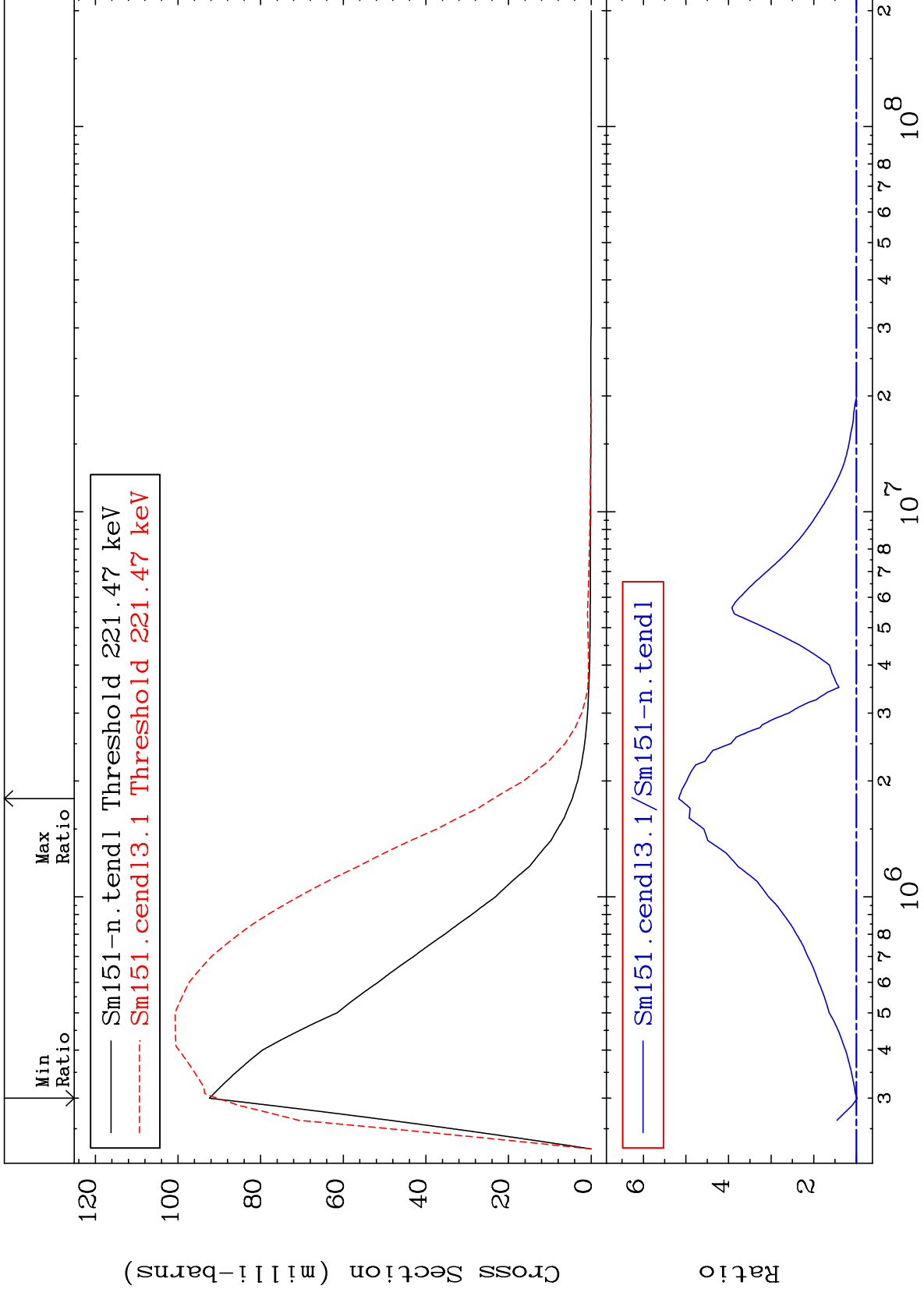
62-Sm-151
-25.50 To 9999. %



MAT 6246

220.0 keV (n,n') Level
Cross Section

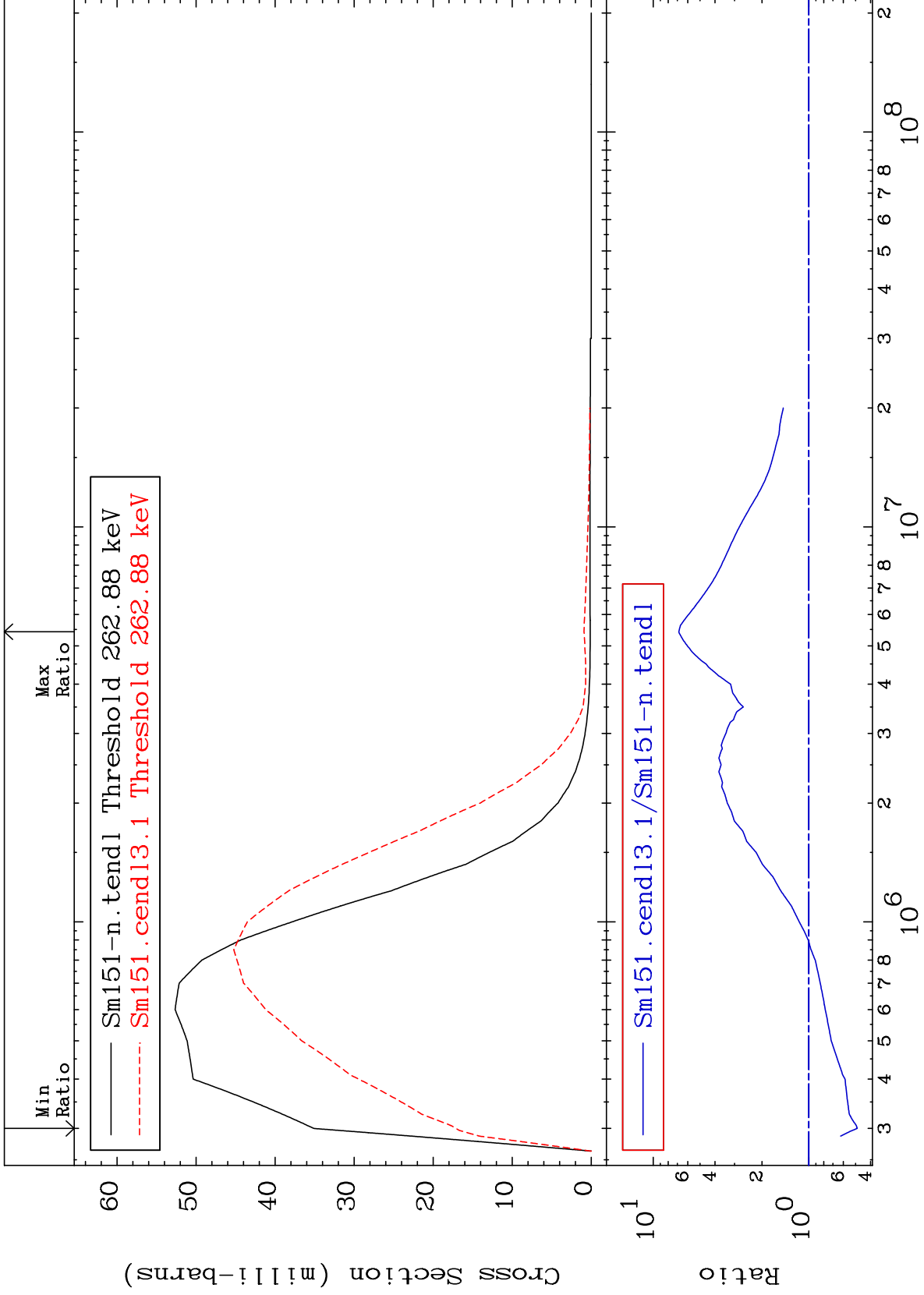
62-Sm-151
-2.112 To 417.2 %



MAT 6246

261.1 keV (n,n') Level
Cross Section

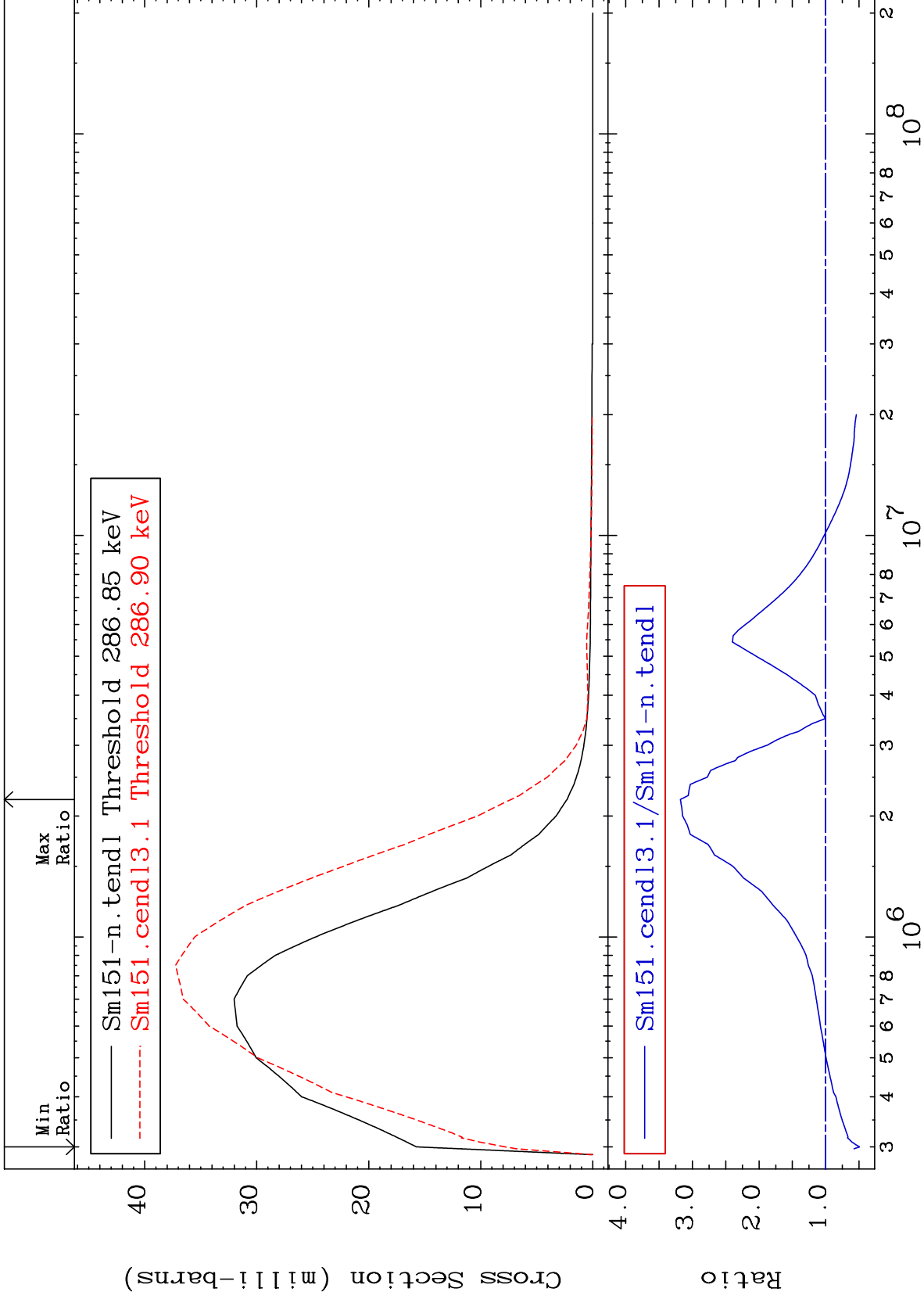
62-Sm-151
-51.25 To 585.8 %



MAT 6246

285.0 keV (n,n') Level
Cross Section

62-Sm-151
-50.60 To 218.0 %



20

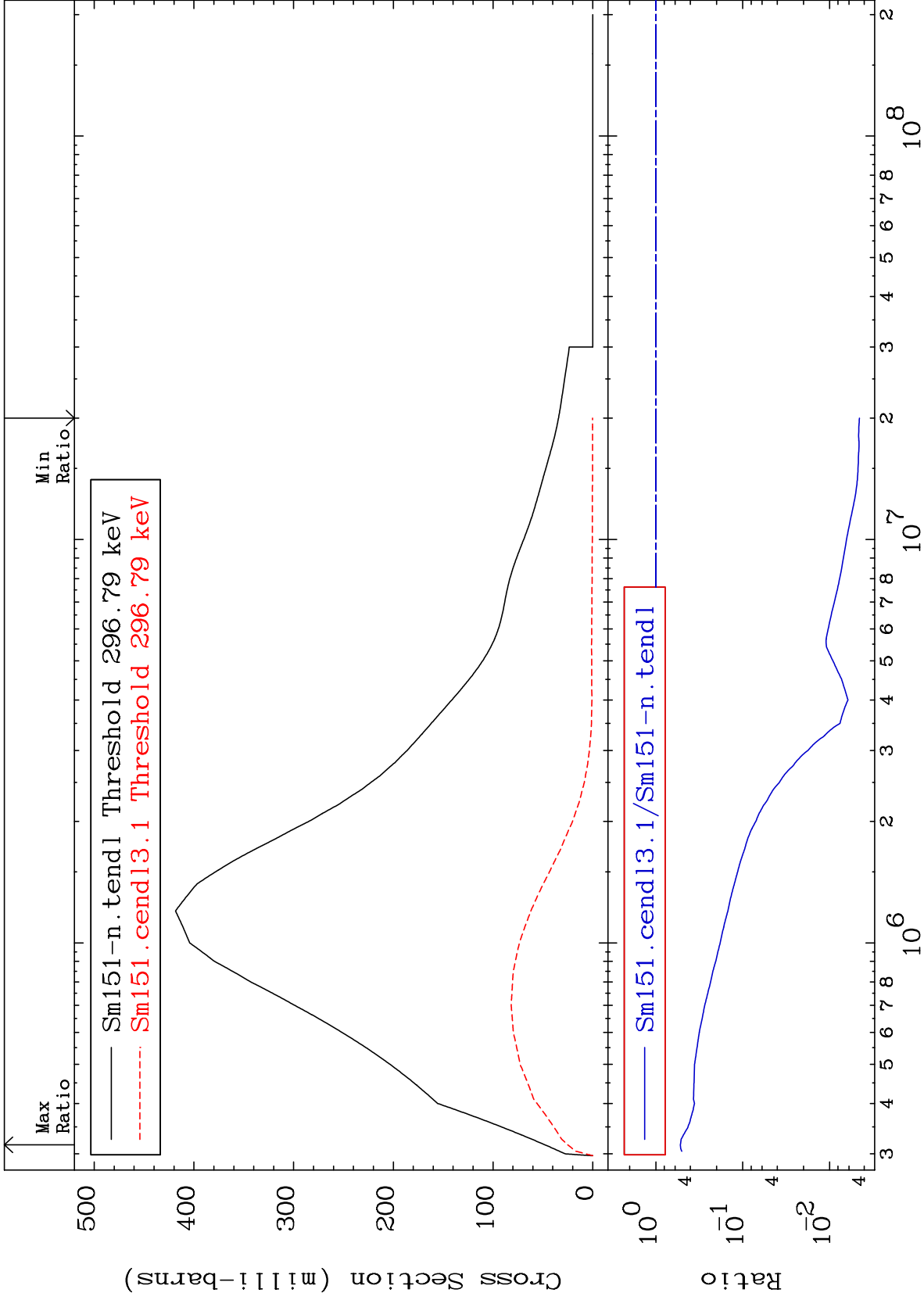
Incident Energy (eV)

62-Sm-151

MAT 6246

294.8 keV (n,n') Level
Cross Section

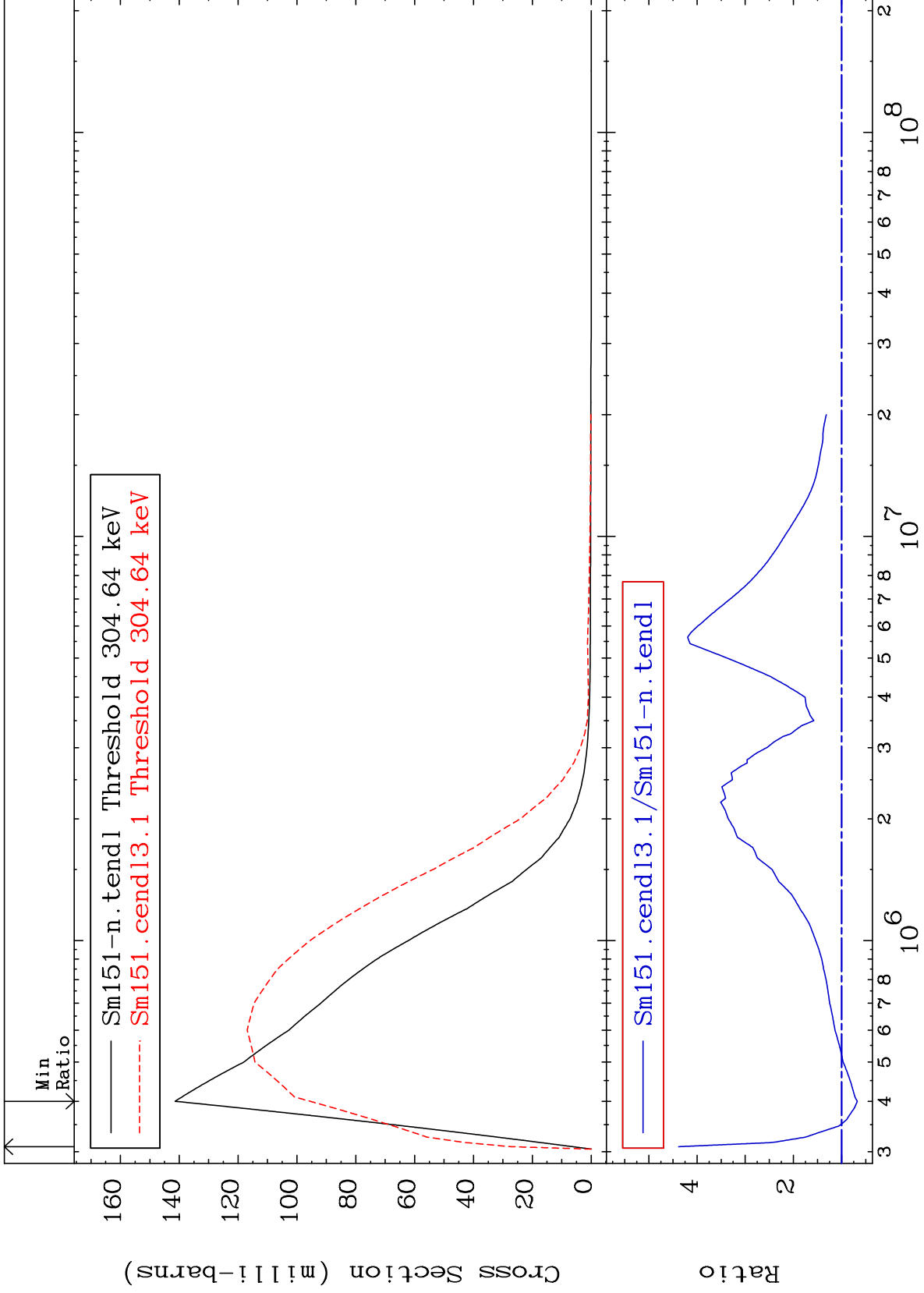
62-Sm-151
-99.55 To -47.81%



MAT 6246

302.6 keV (n,n') Level
Cross Section

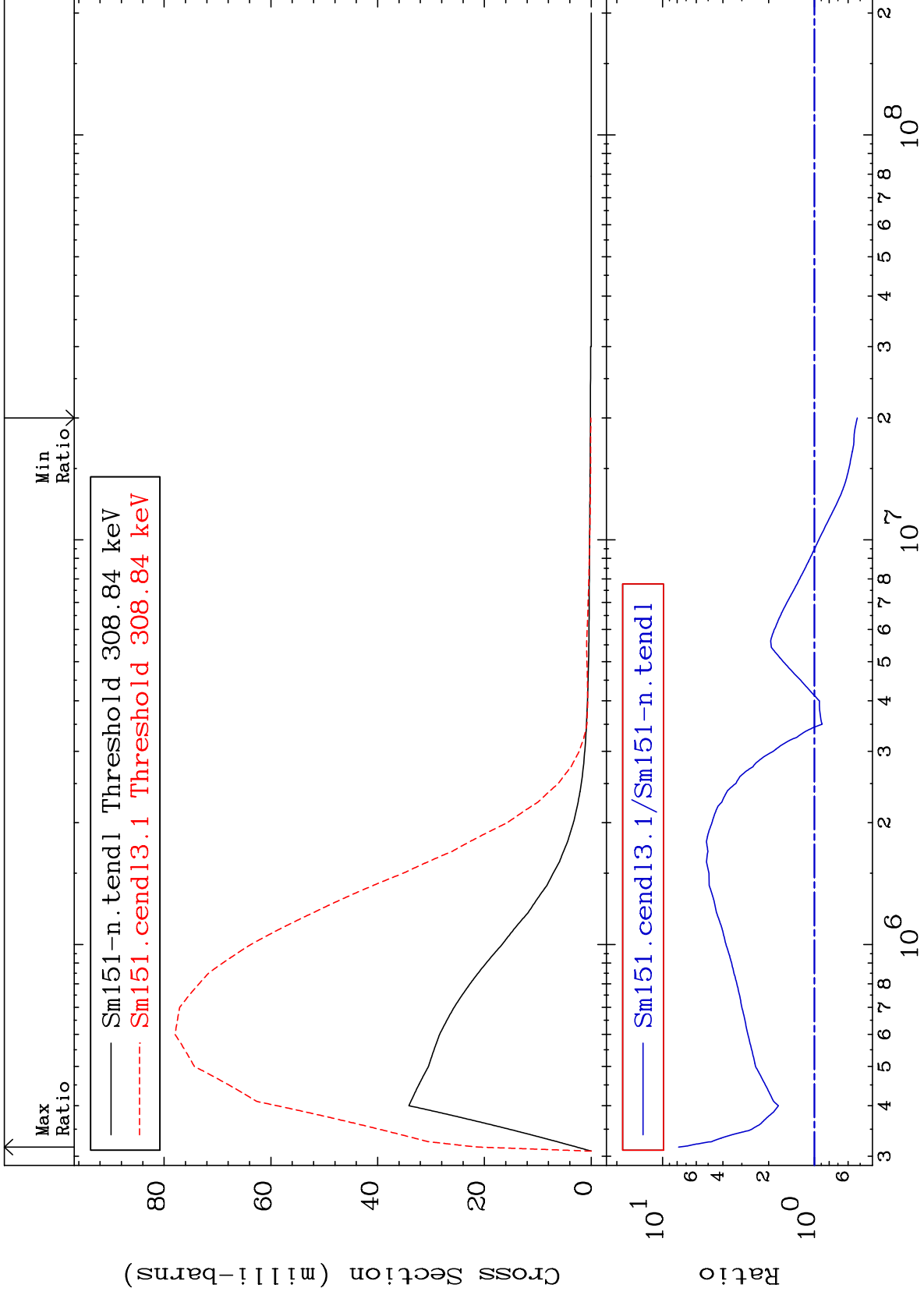
62-Sm-151
-32.48 To 338.2 %



MAT 6246

306.8 keV (n,n') Level
Cross Section

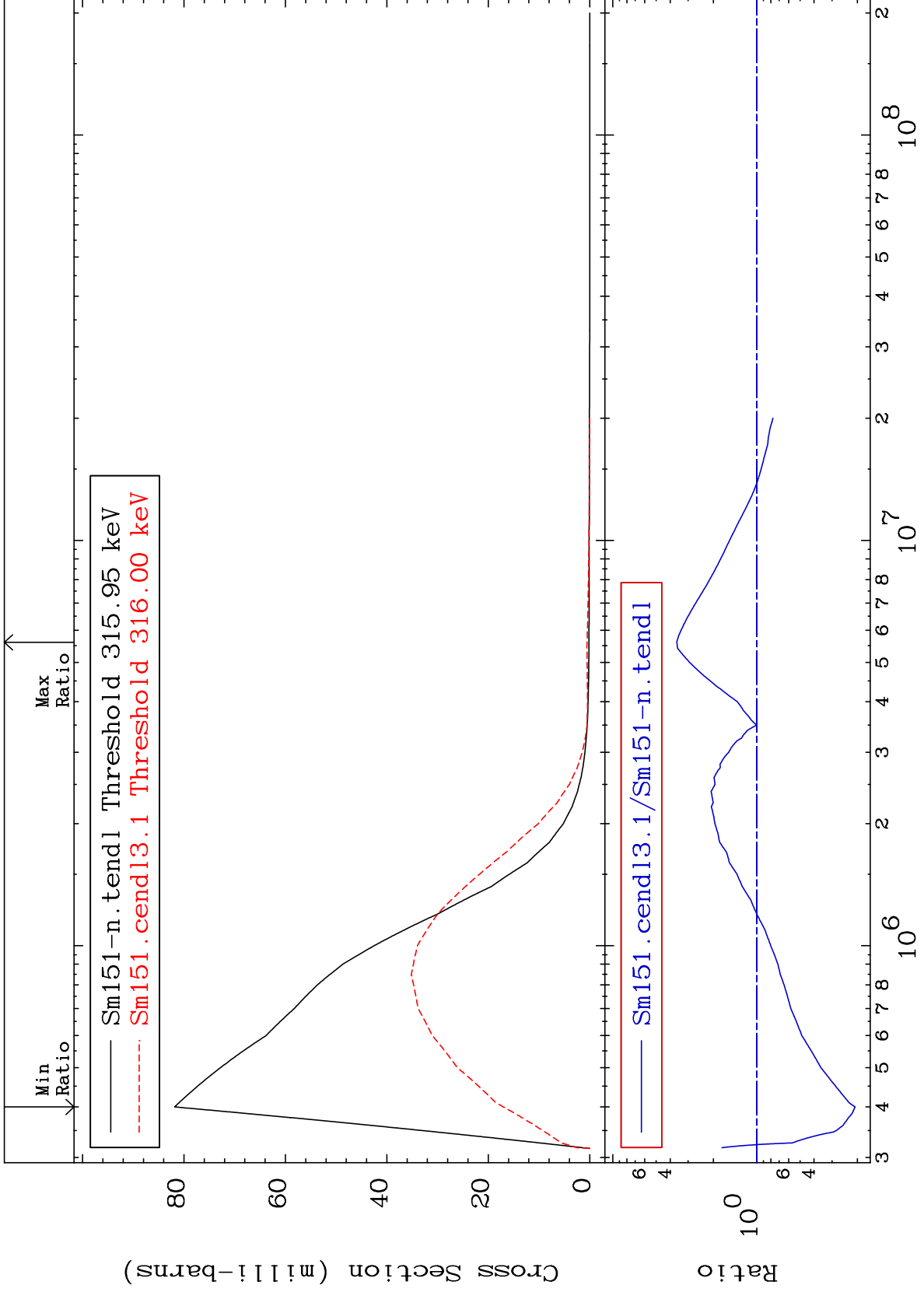
62-Sm-151
-47.81 To 683.0 %



MAT 6246

313.8 keV (n,n') Level
Cross Section

62-Sm-151
-79.24 To 258.9 %



24

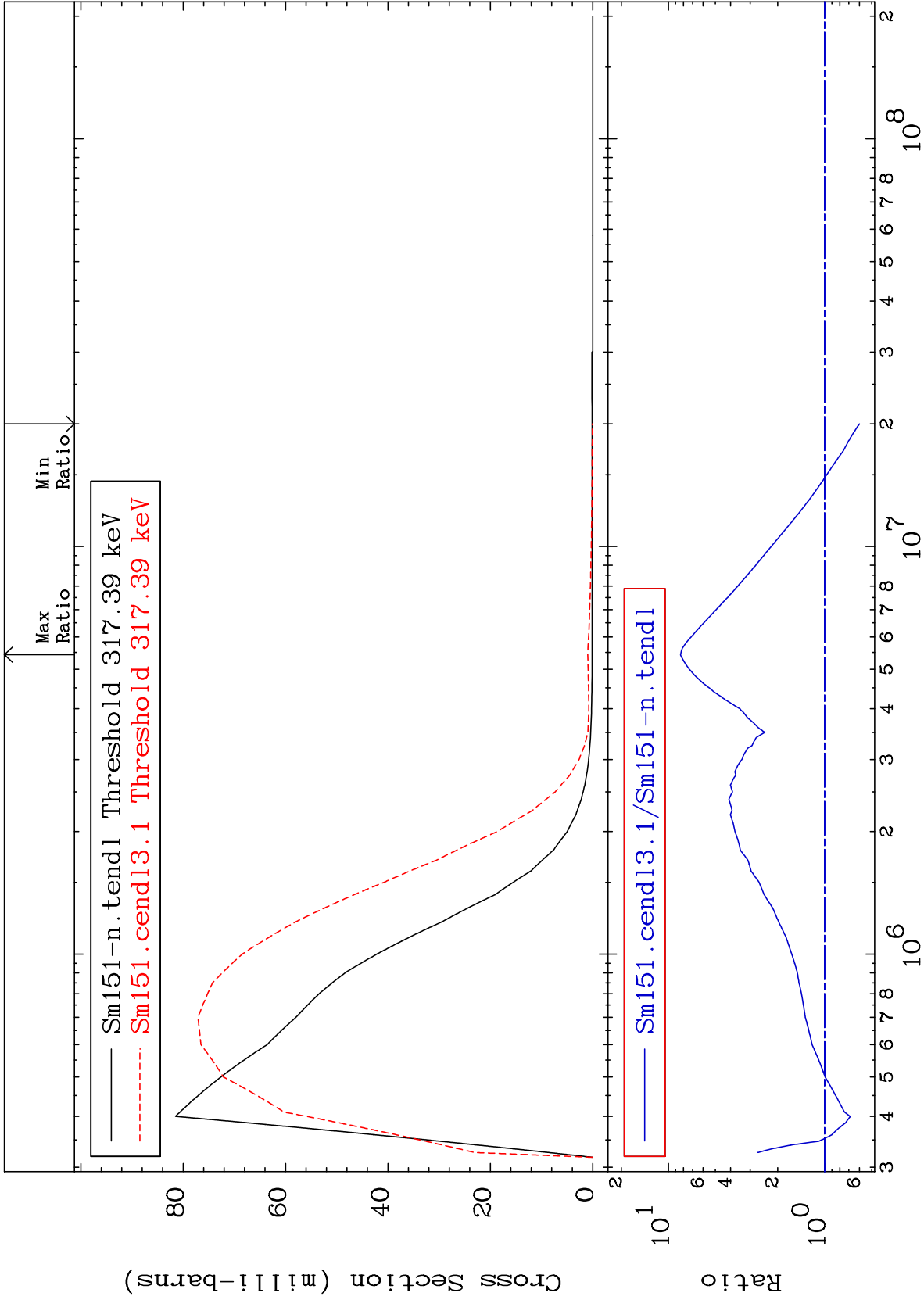
Incident Energy (eV)

62-Sm-151

MAT 6246

315.3 keV (n,n') Level
Cross Section

62-Sm-151
-40.06 To 737.6 %



25

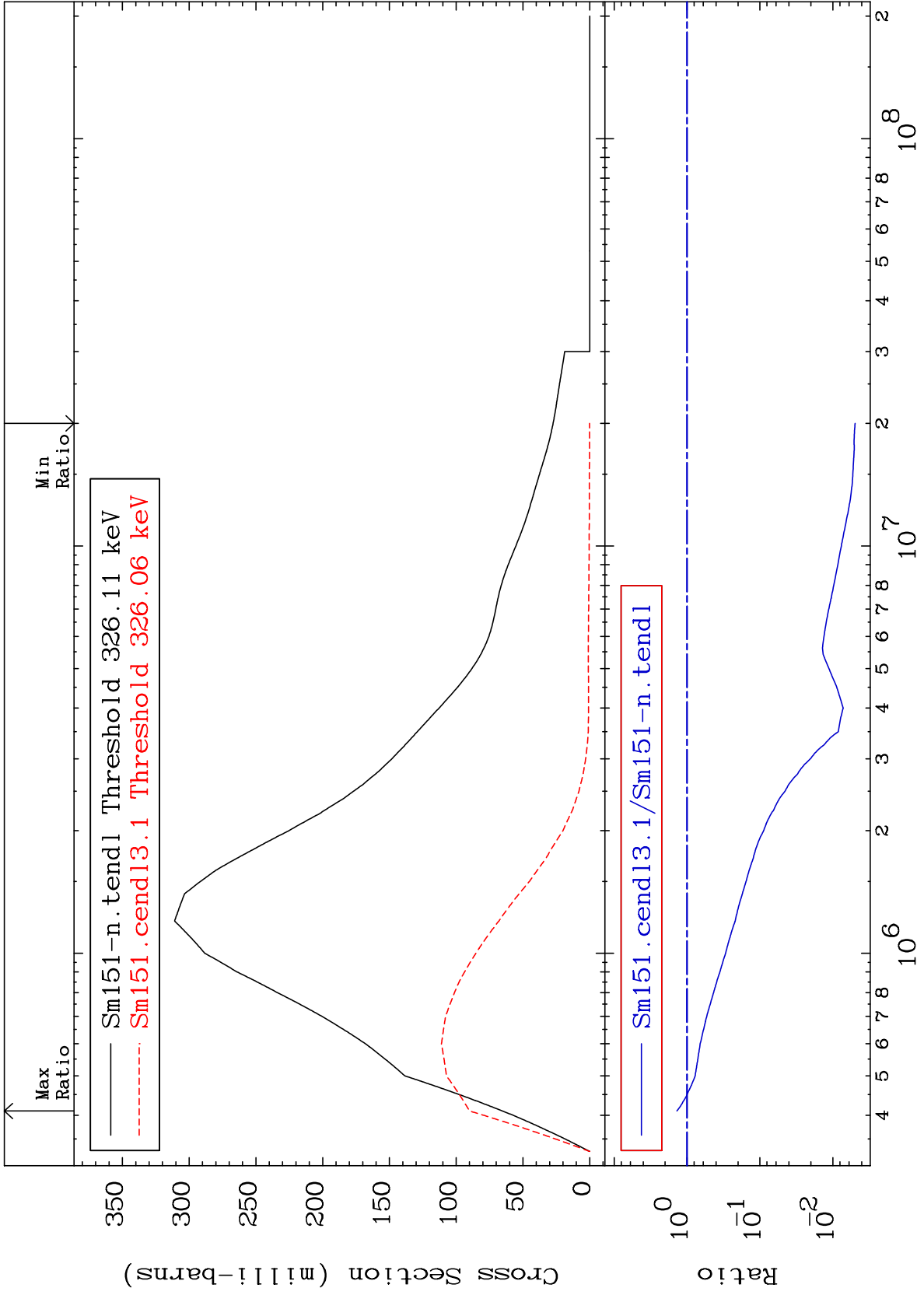
Incident Energy (eV)

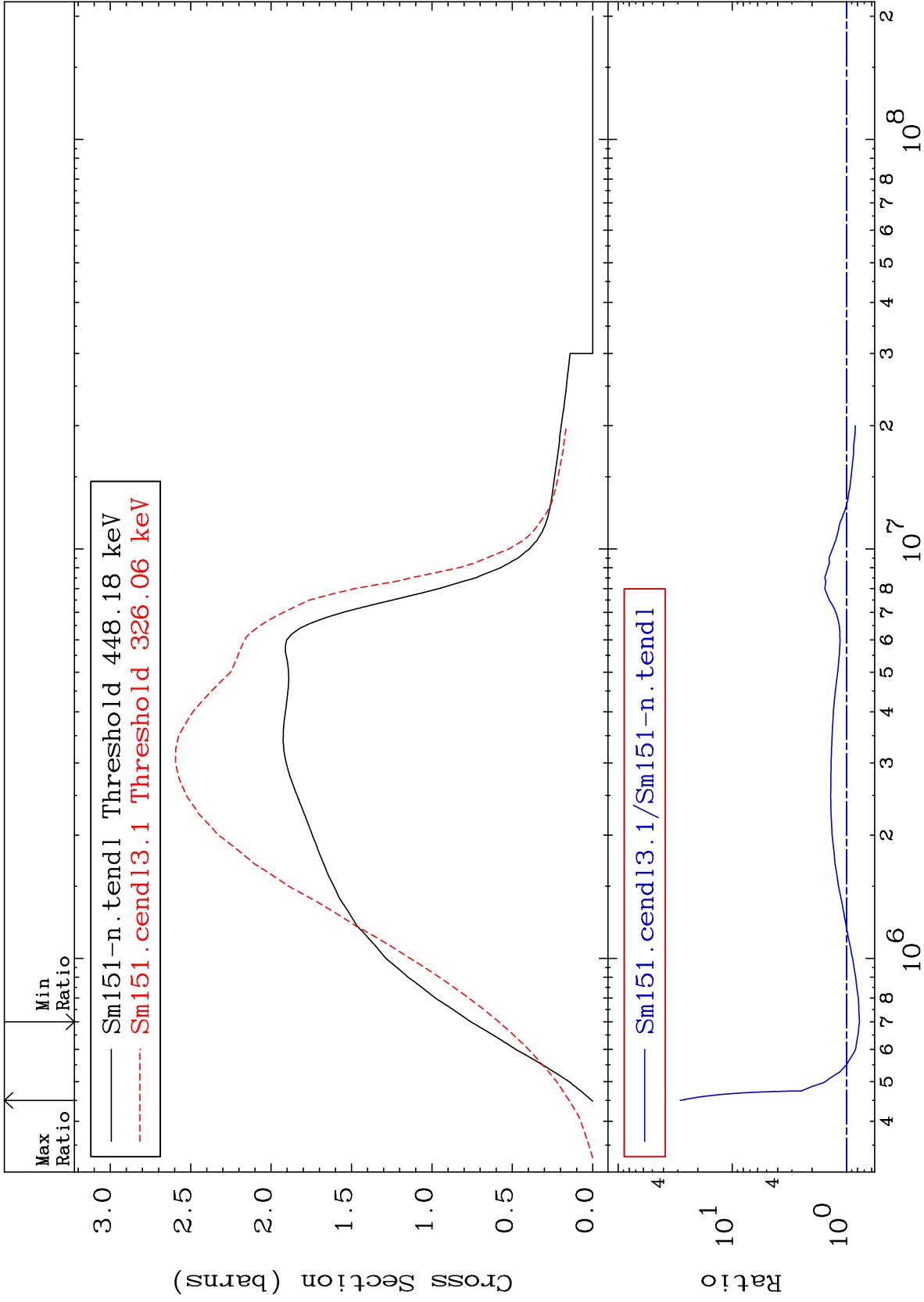
62-Sm-151

MAT 6246

323.9 keV (n,n') Level
Cross Section

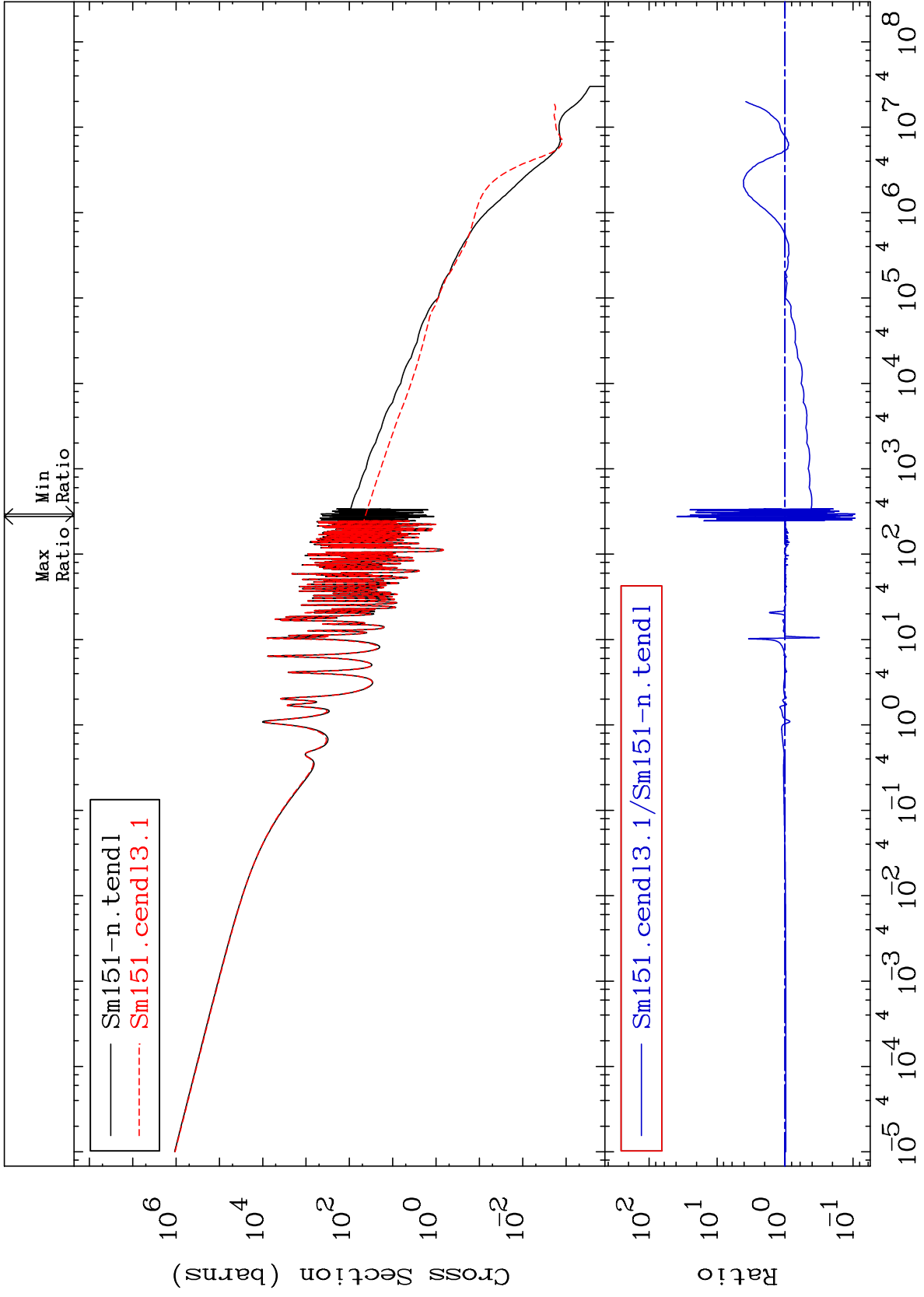
62-Sm-151
-99.51 To 37.78 %





MAT 6246

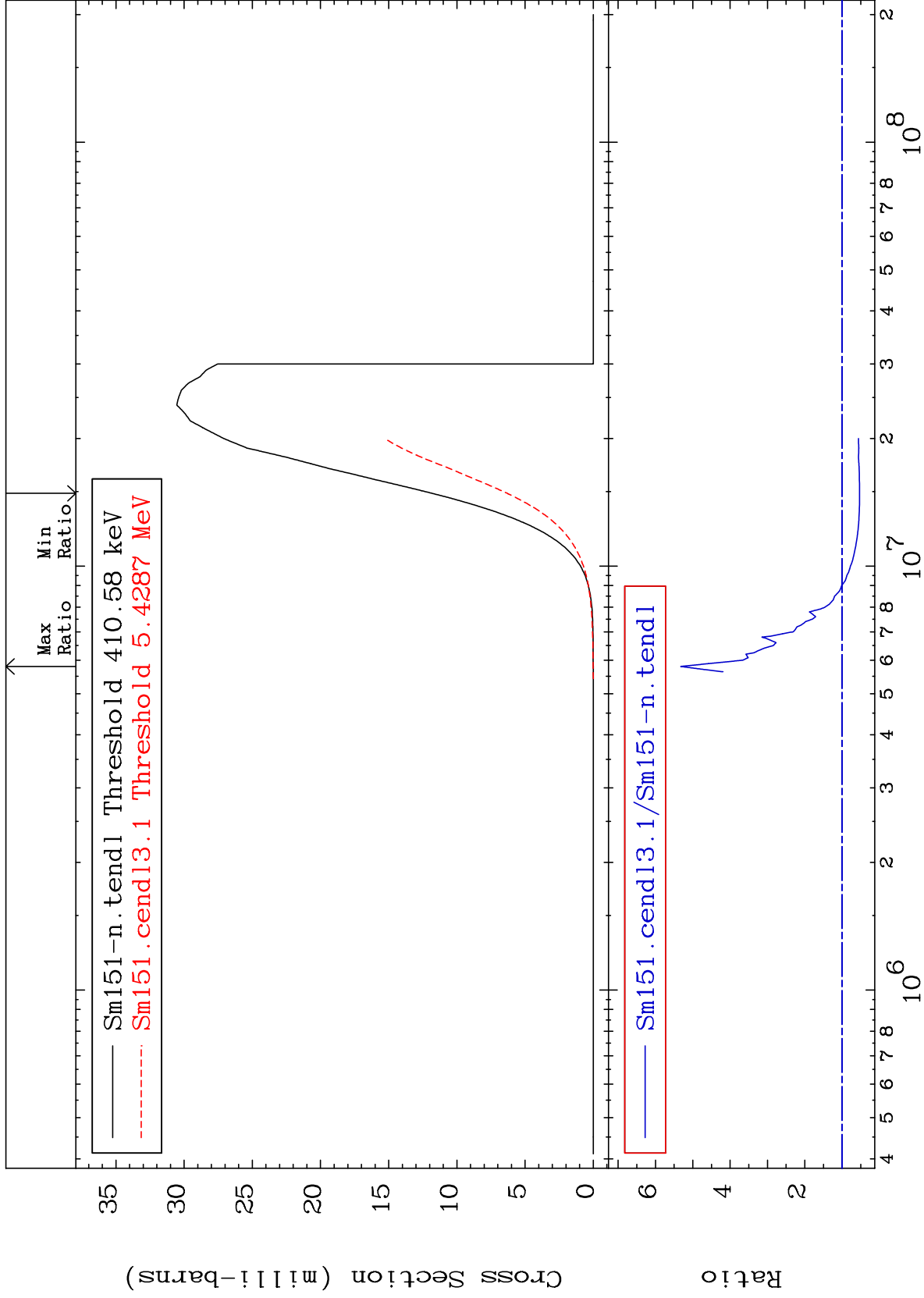
(n, γ)
Cross Section
62-Sm-151
-90.67 To 3794. %



MAT 6246

62-Sm-151

(n,p)
Cross Section
-46.59 To 432.3 %



29

Incident Energy (eV)

62-Sm-151

MAT 6246

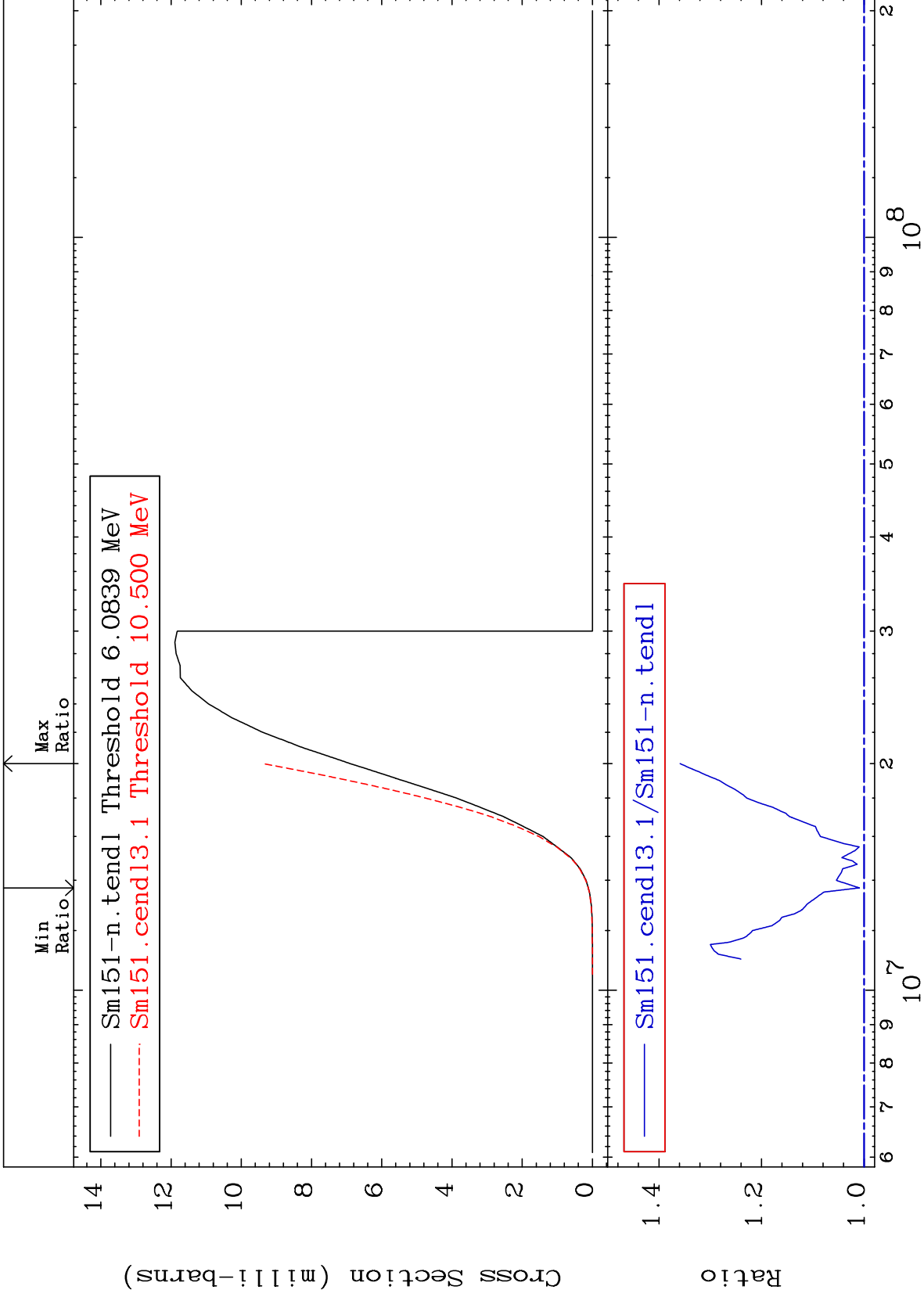
(n, d)

62-Sm-151

Cross Section

0.925

To 35.87 %



30

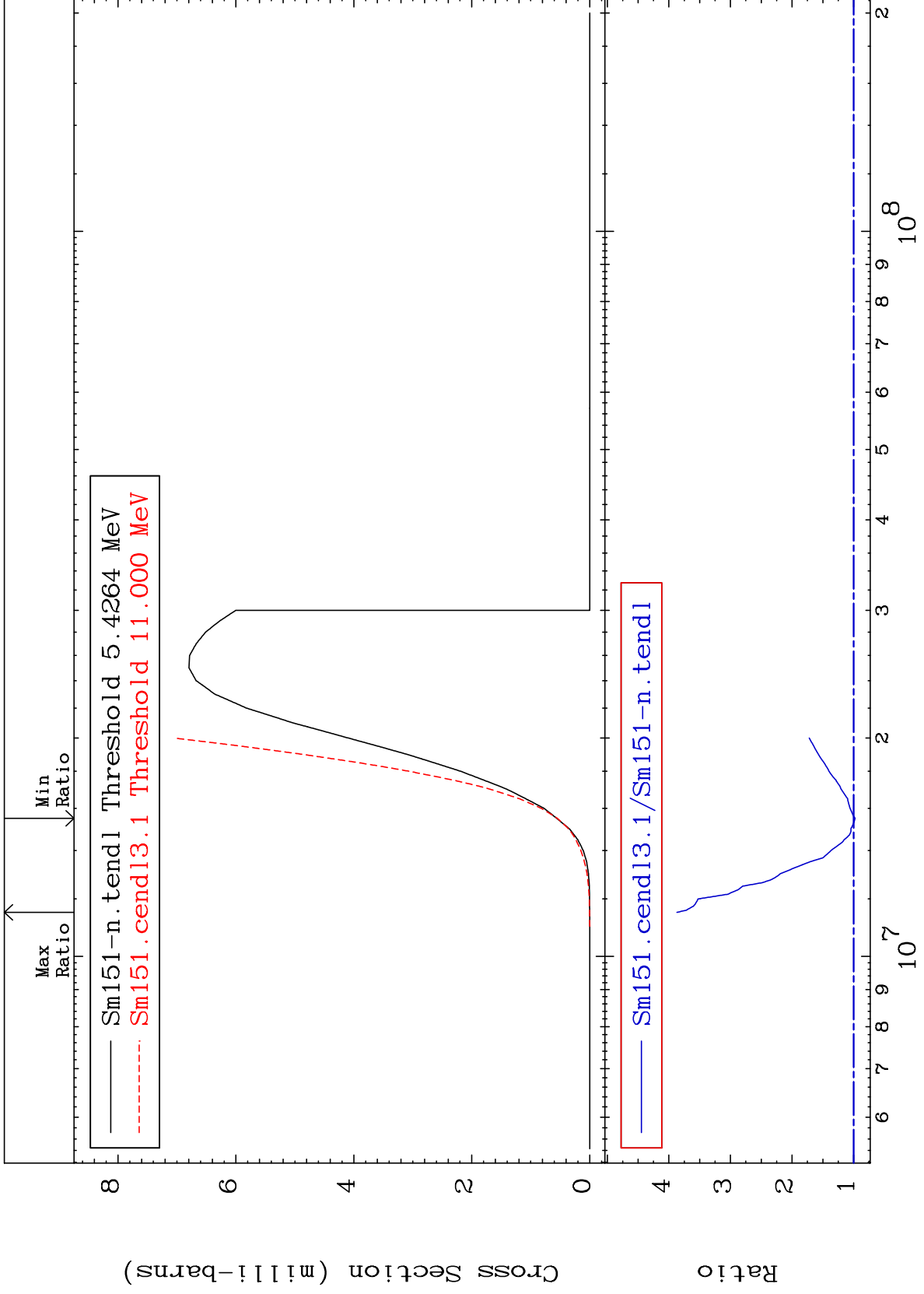
Incident Energy (eV)

62-Sm-151

MAT 6246

(n, t)
Cross Section

62-Sm-151
-2.370 To 286.9 %



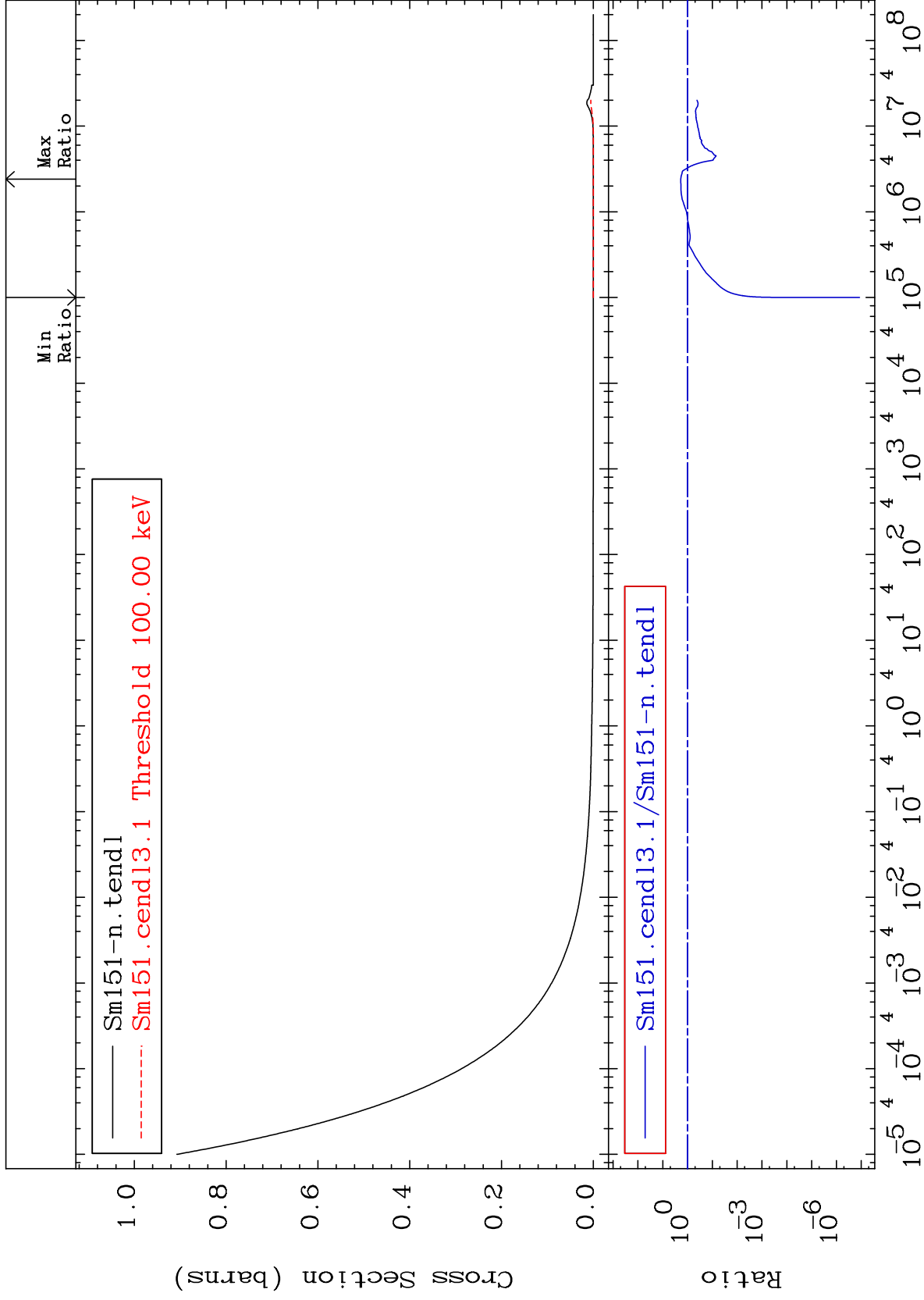
MAT 6246

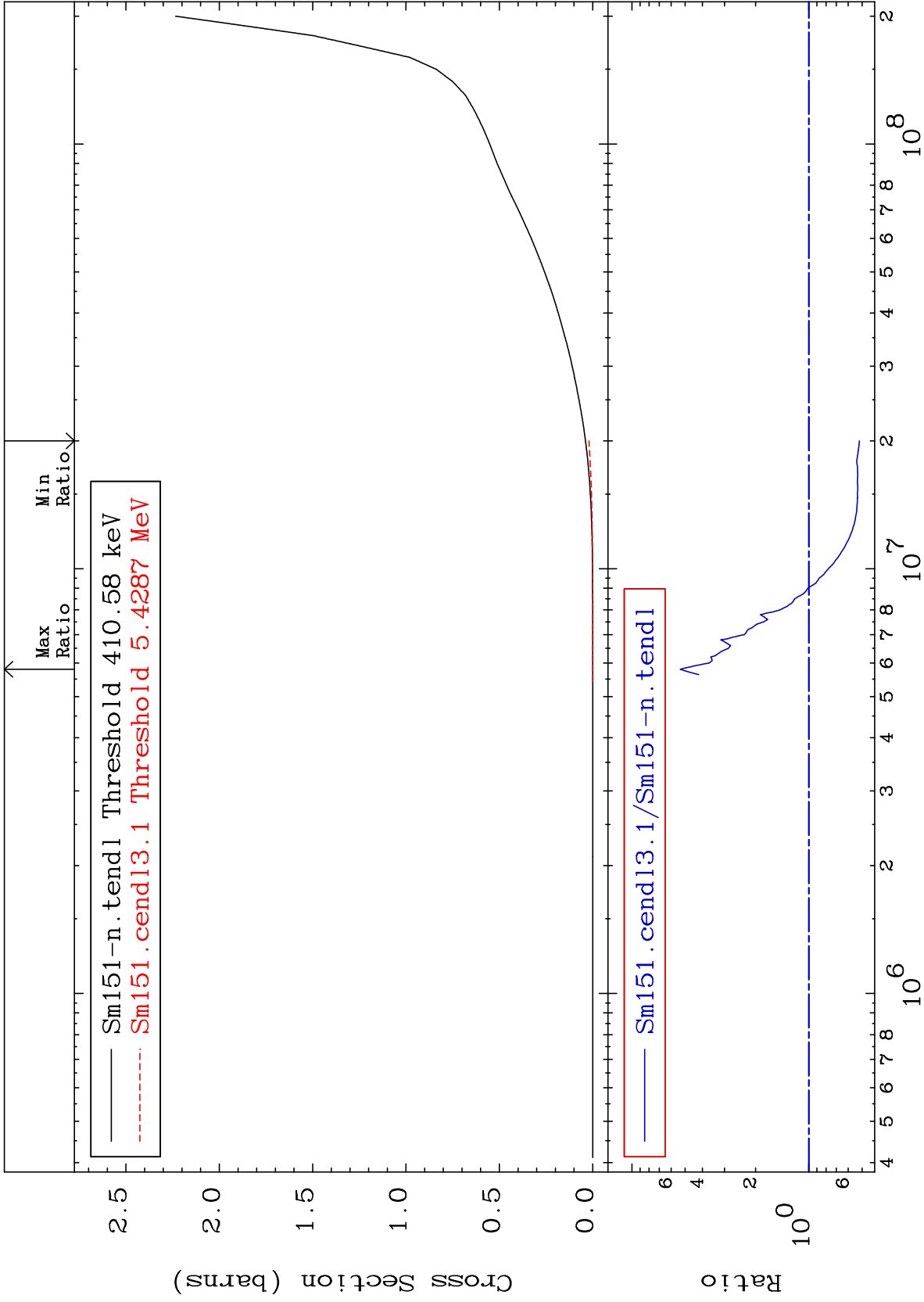
(n, α)

62-Sm-151

Cross Section

-100.0 To 87.91 %

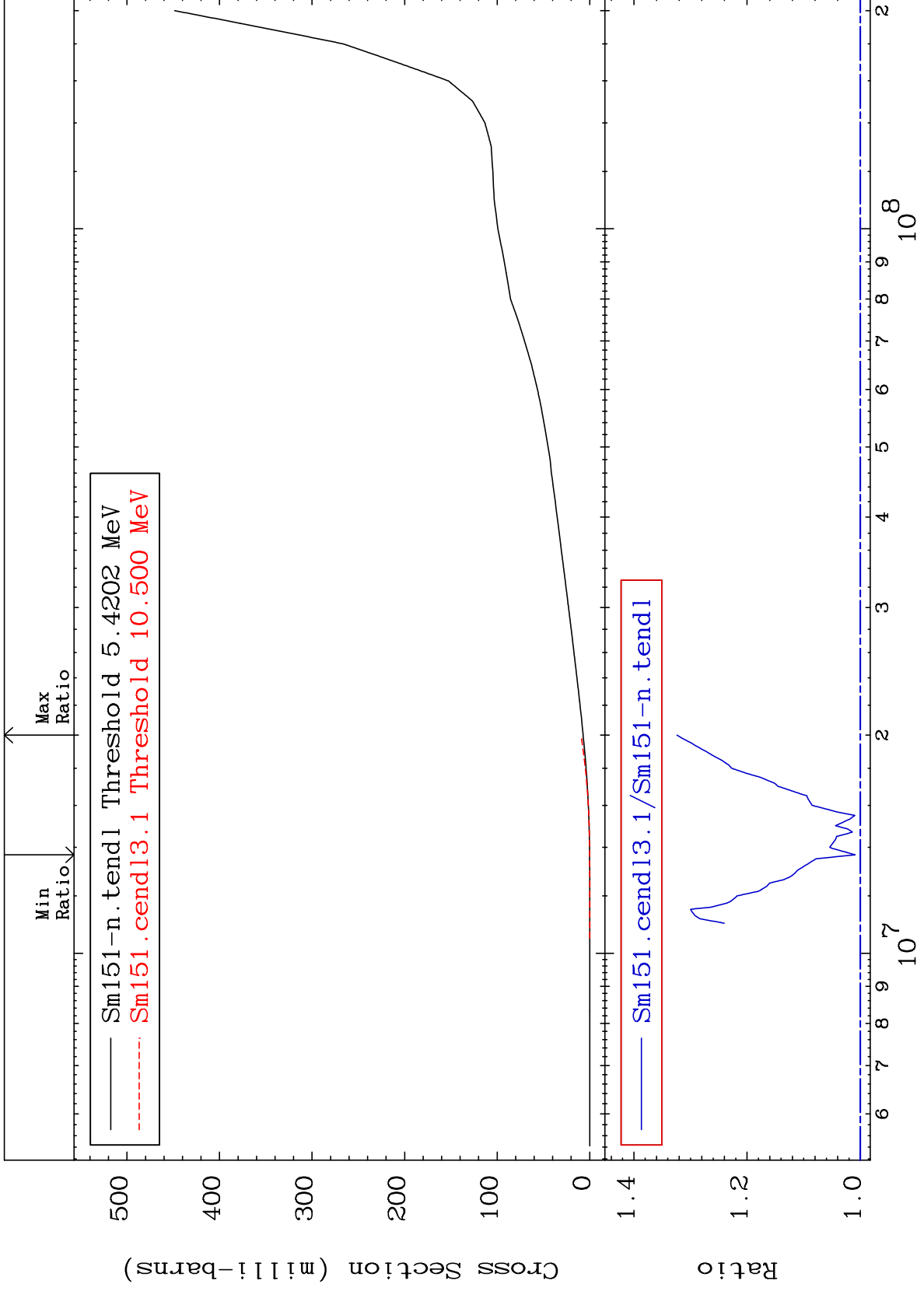




MAT 6246

Deuterium Production
Cross Section

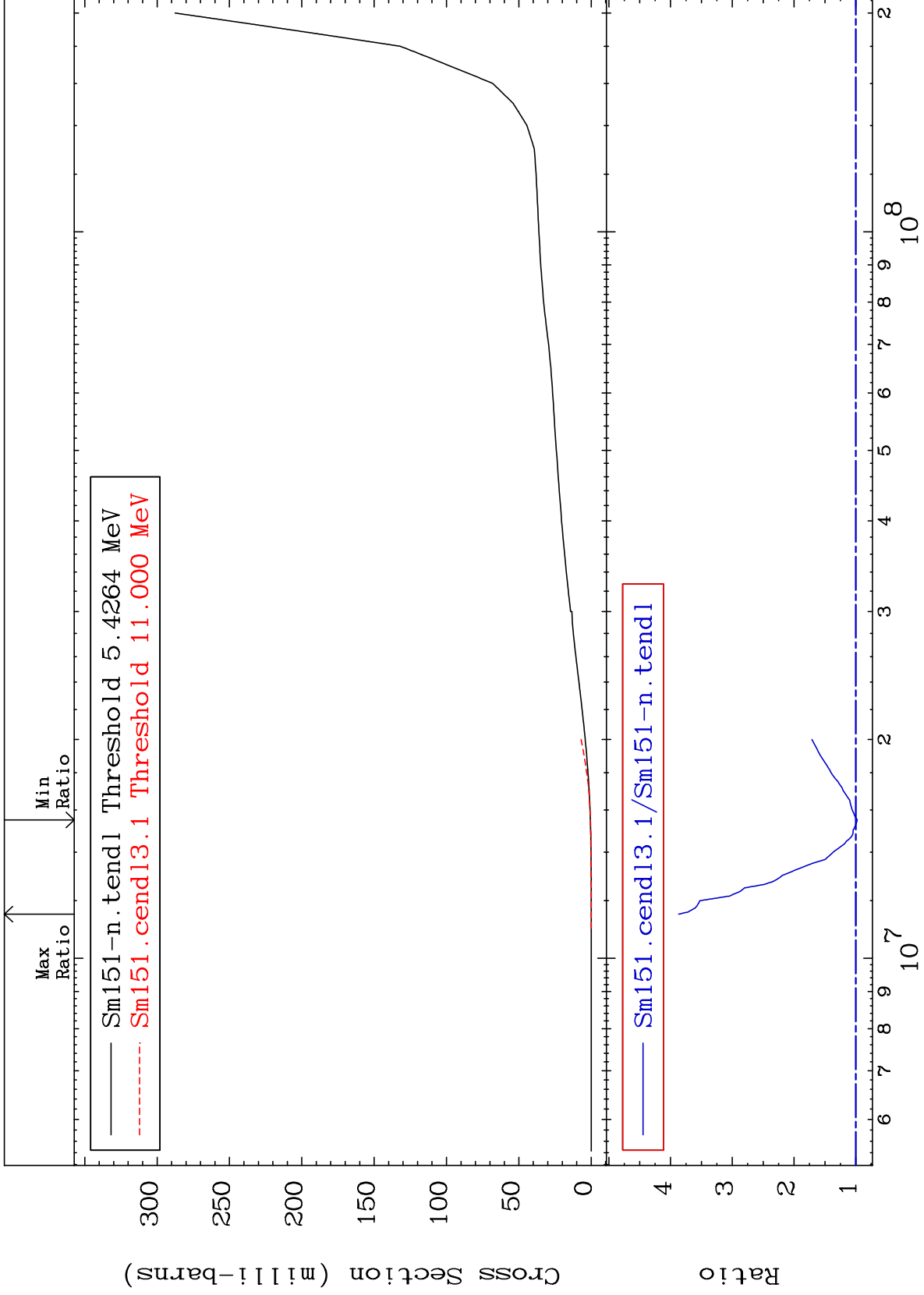
62-Sm-151
0.925 To 32.40 %



MAT 6246

Tritium Production
Cross Section

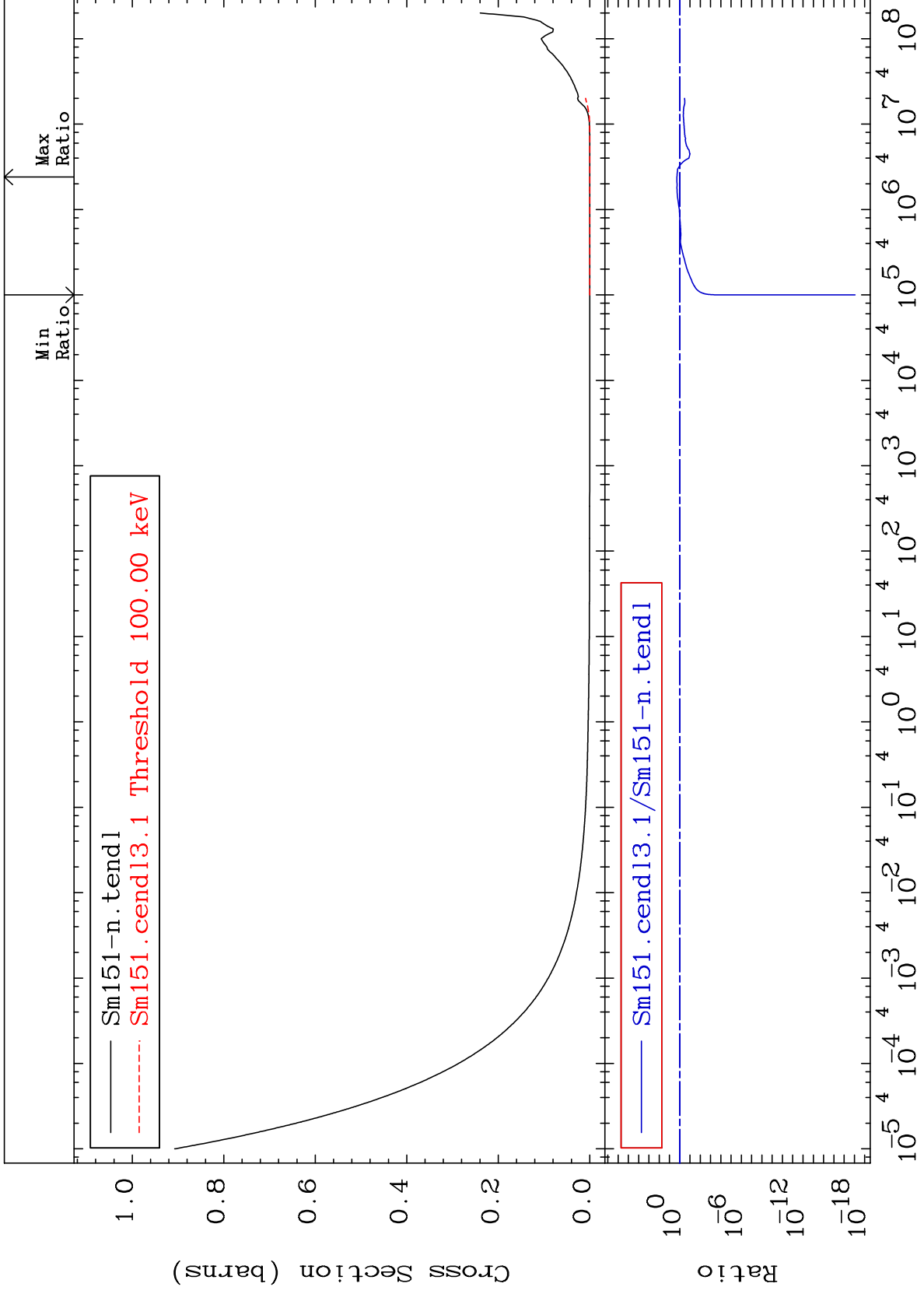
62-Sm-151
-2.370 To 286.9 %



MAT 6246

He-4 Production
Cross Section

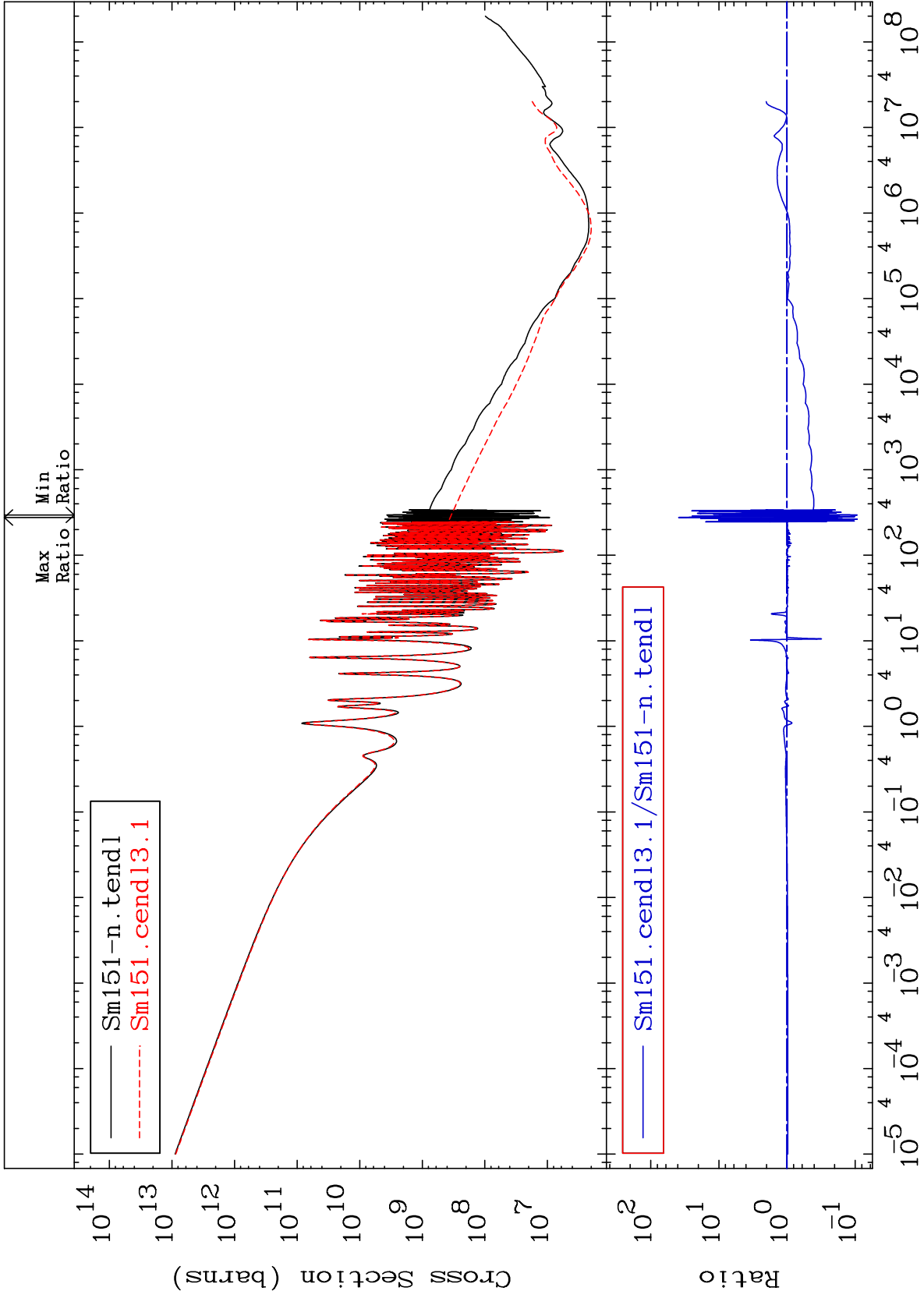
62-Sm-151
-100.0 To 87.91 %

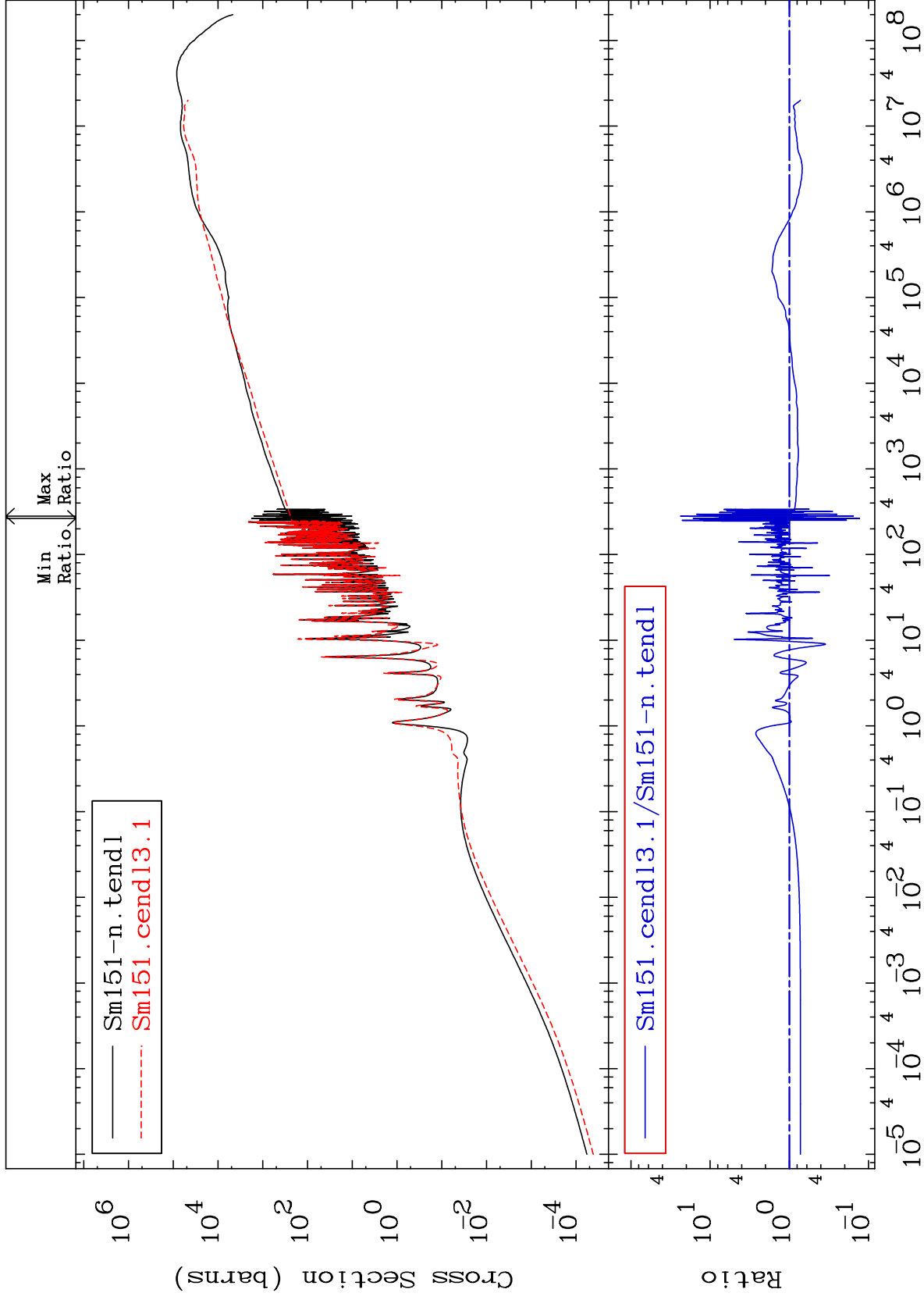


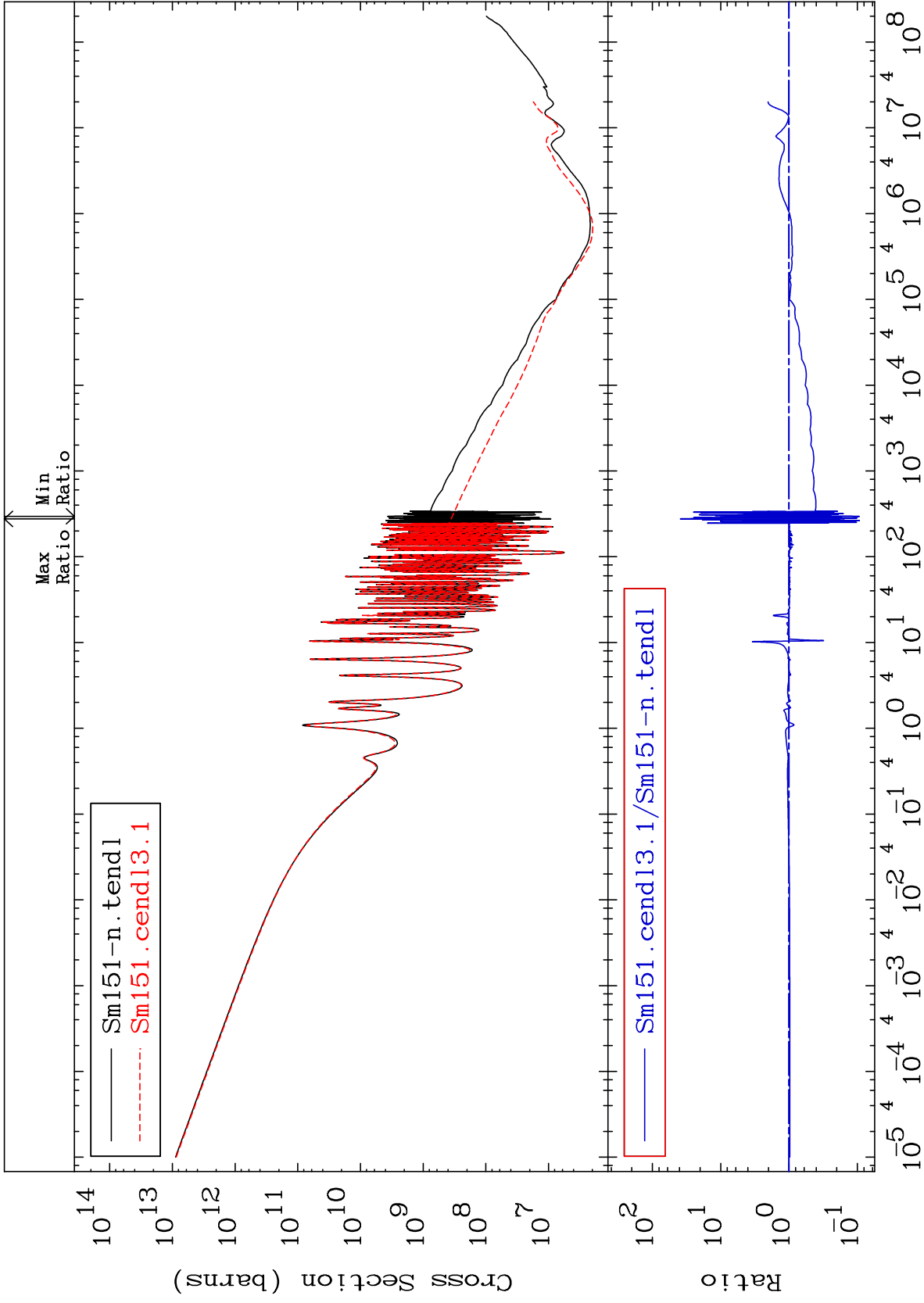
MAT 6246

Kerma total (eV-barns)
Cross Section

62-Sm-151
-90.67 To 3793. %



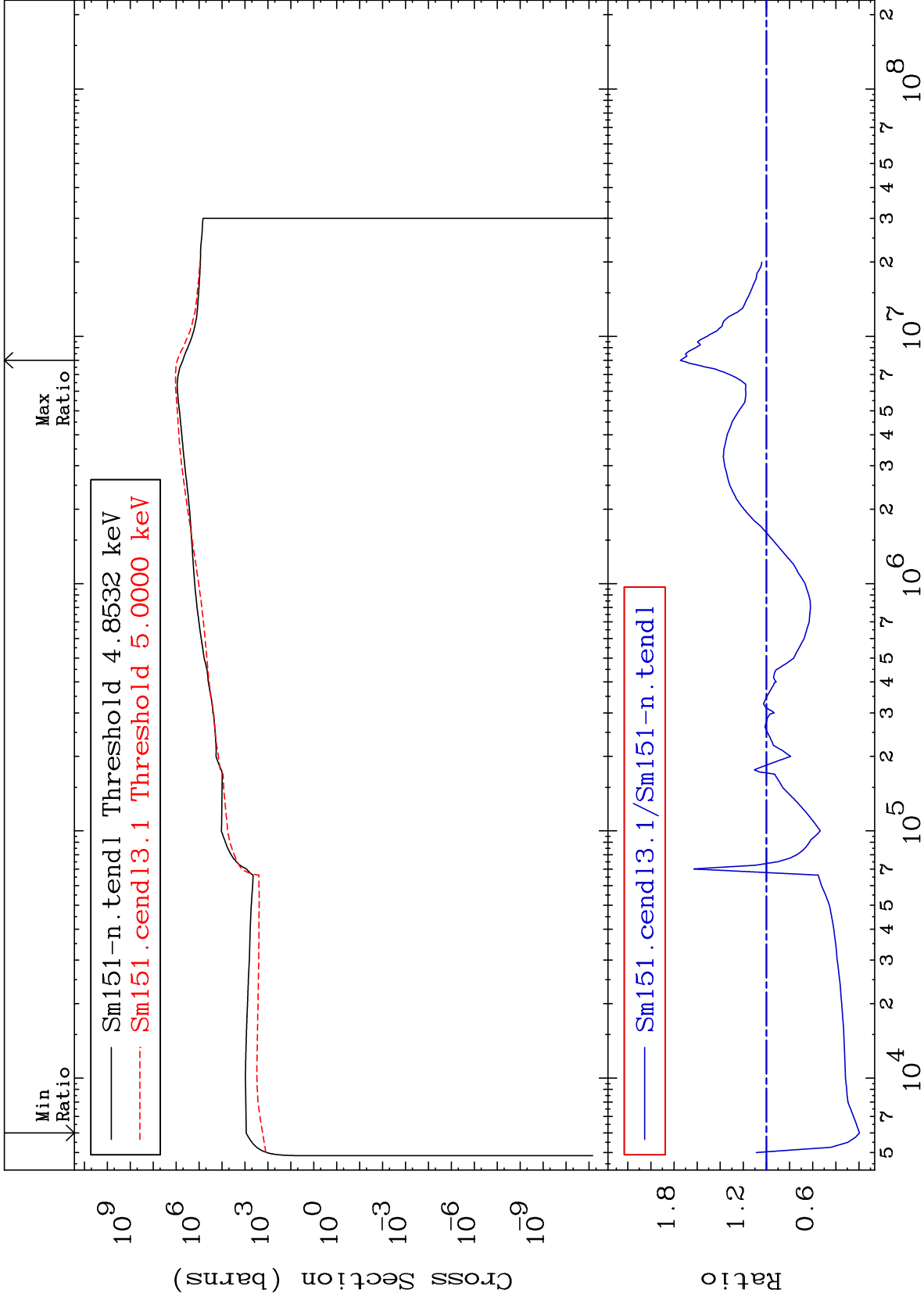




MAT 6246

Kerma inelastic (mt51-91)
Cross Section

62-Sm-151
-80.40 To 74.50 %



40

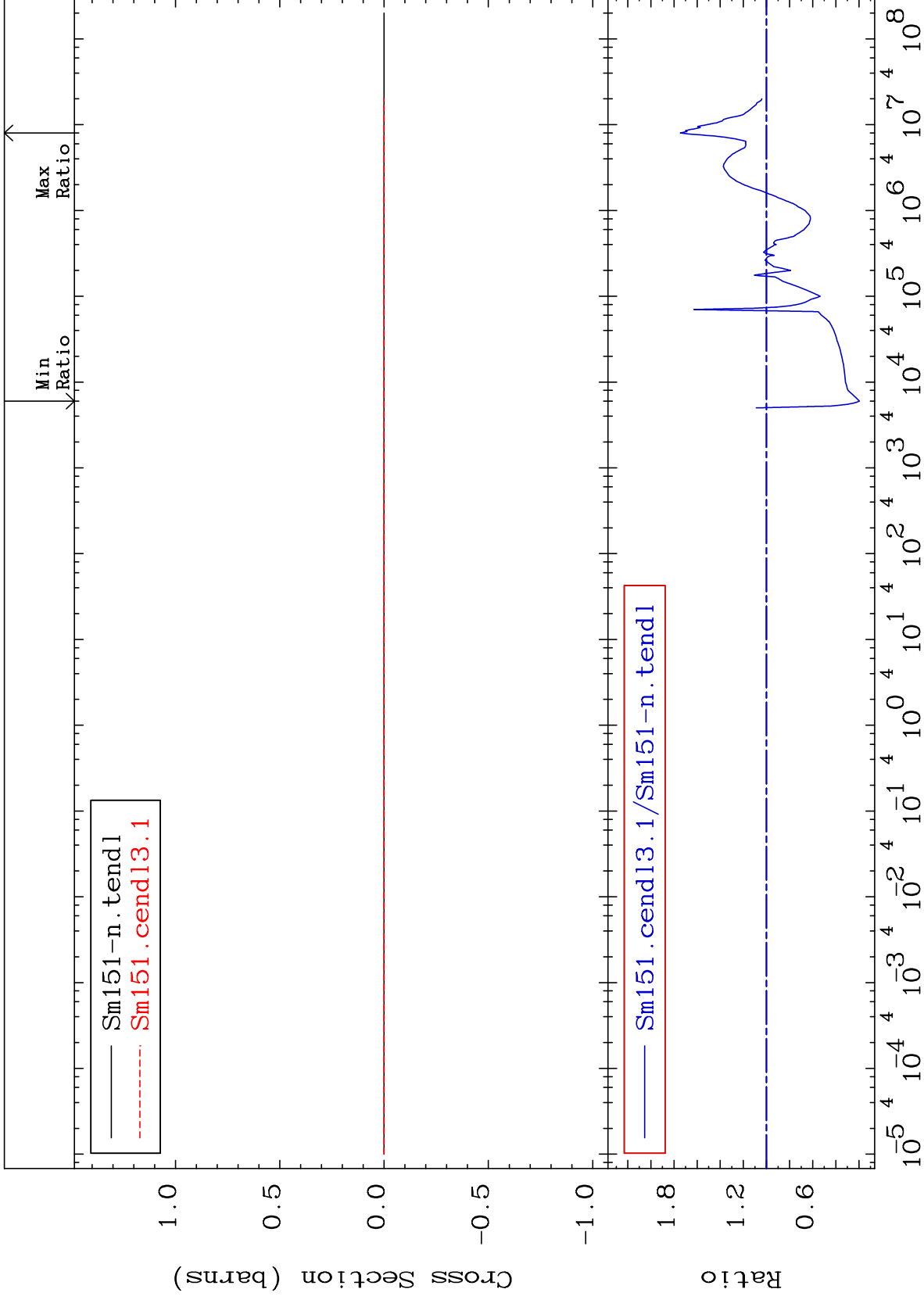
Incident Energy (eV)

62-Sm-151

MAT 6246

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

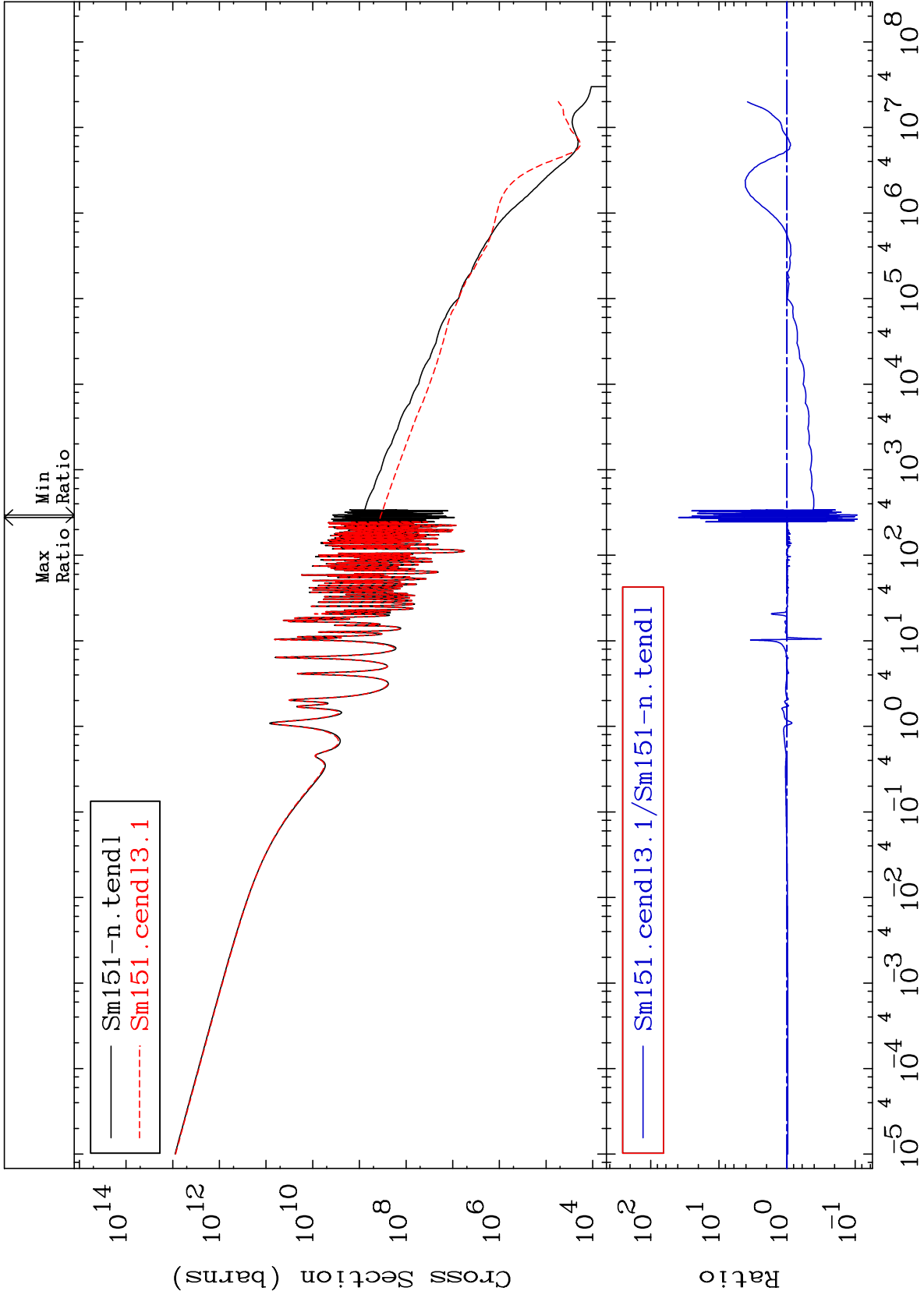
62-Sm-151
-80.40 To 74.50 %



MAT 6246

Kerma capture (mt102)
Cross Section

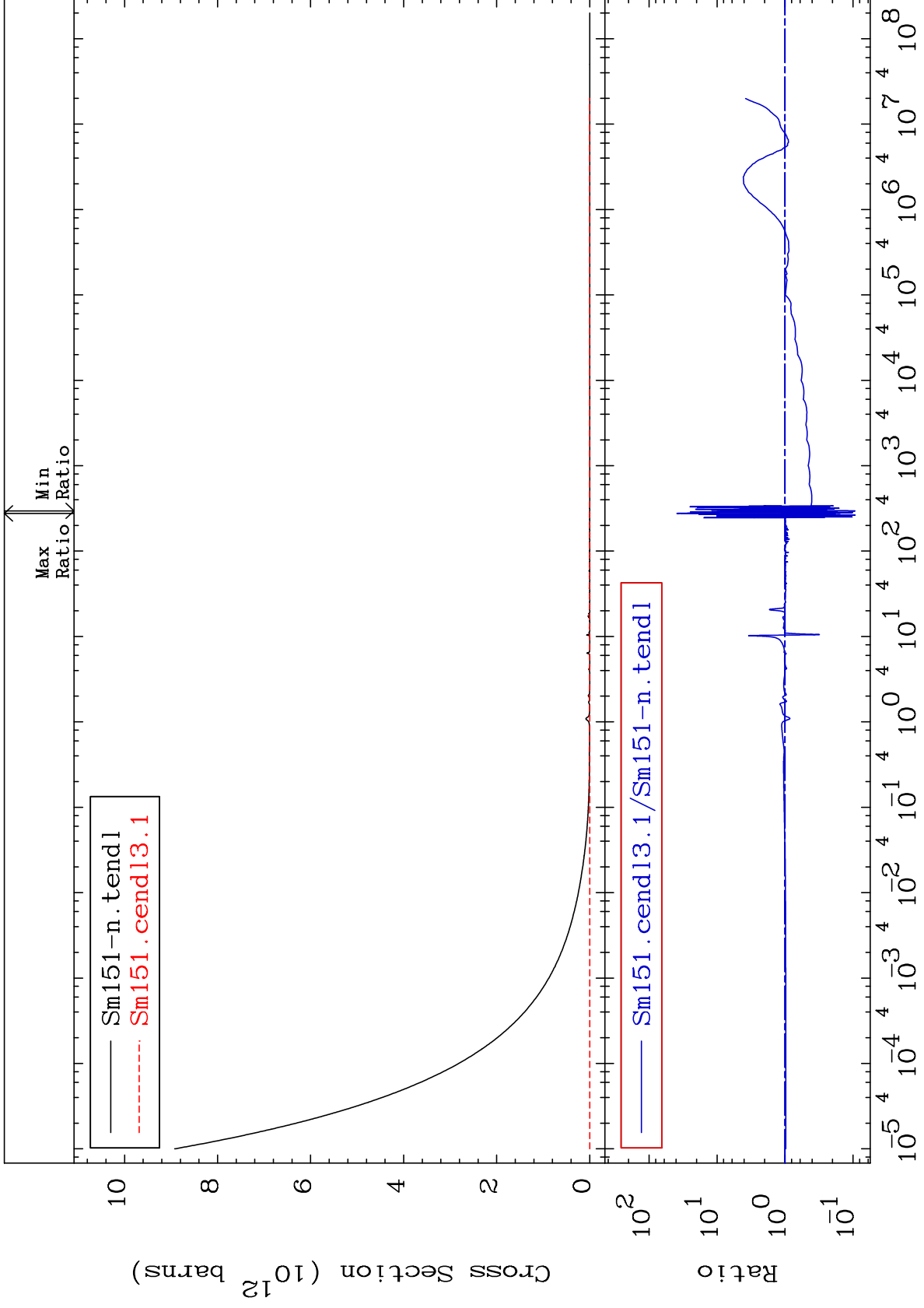
62-Sm-151
-90.67 To 3794. %

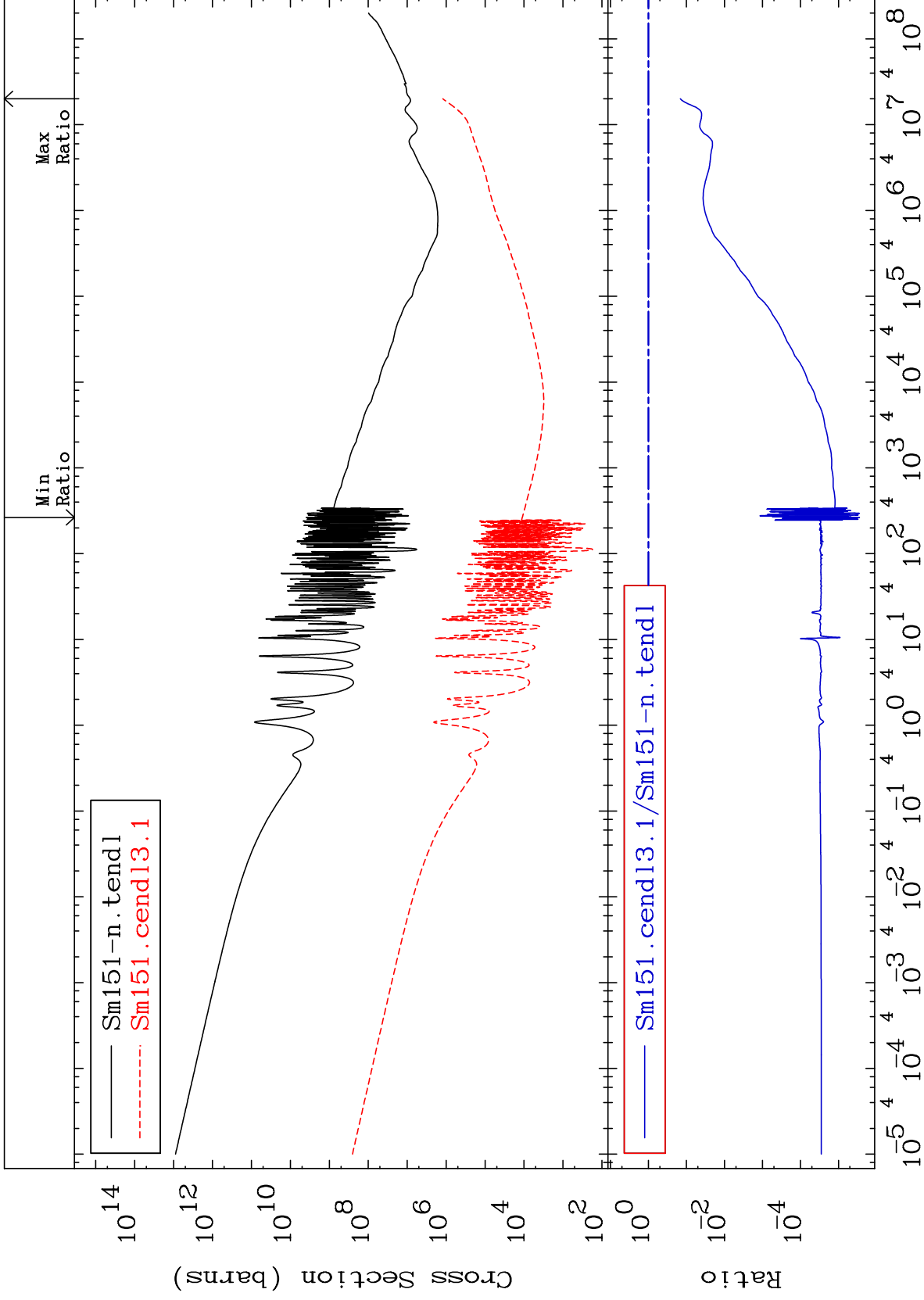


MAT 6246

Total photon (eV-barns)
Cross Section

62-Sm-151
-90.67 To 3794. %





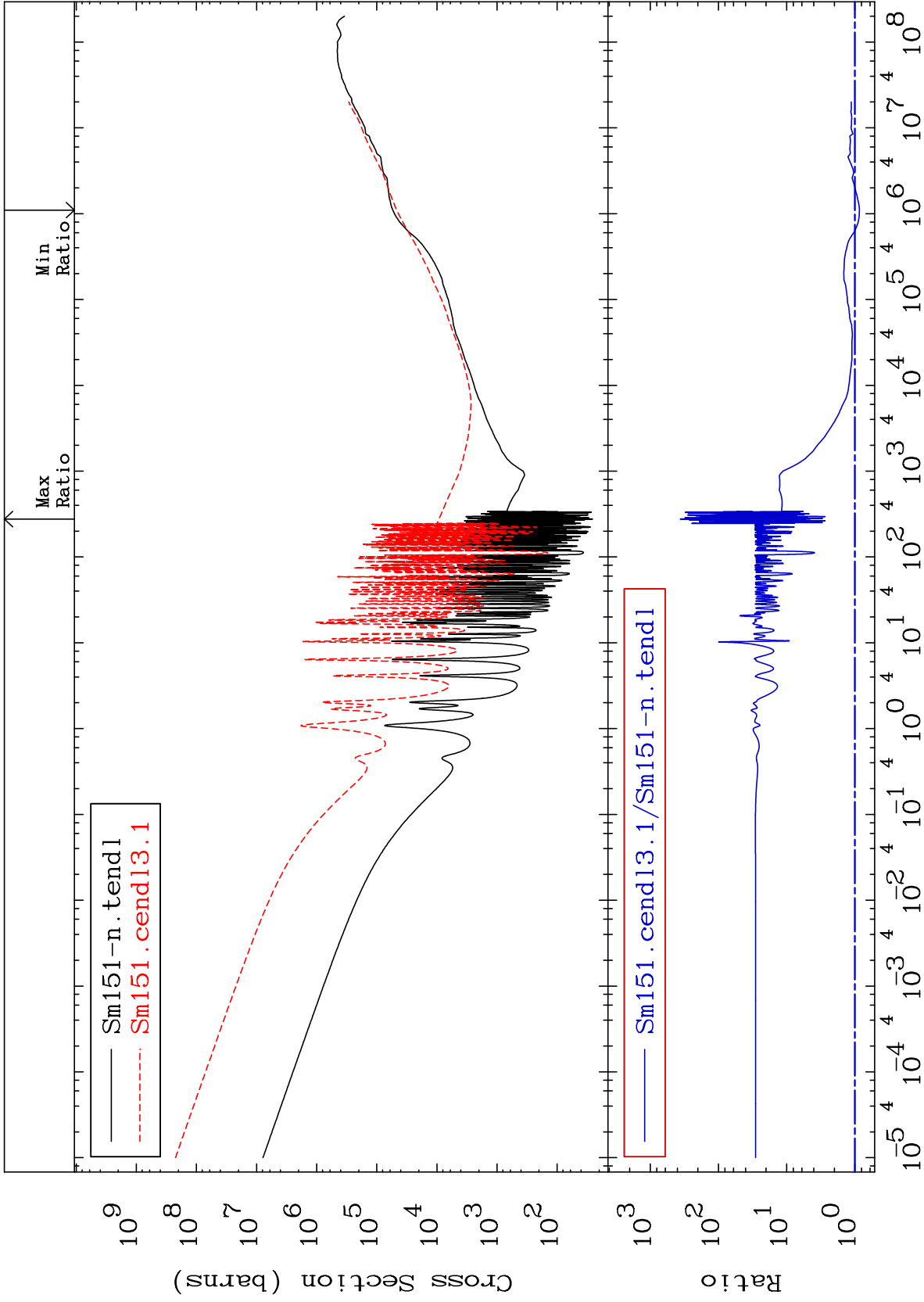
MAT 6246

Dpa total (eV-barns)

62-Sm-151

-14.26 To 9999. %

Cross Section



45

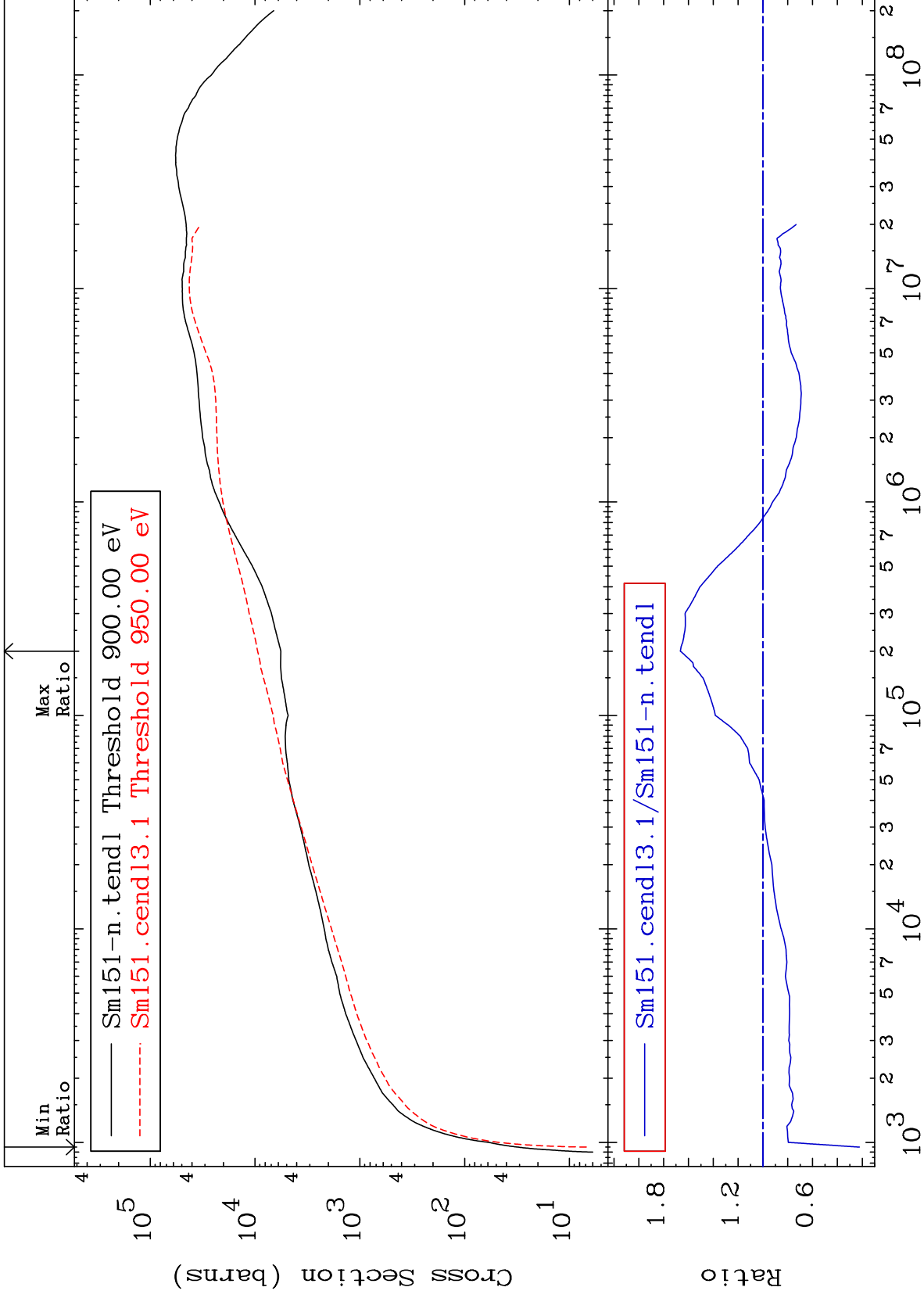
Incident Energy (eV)

62-Sm-151

MAT 6246

Dpa elastic (mt2)
Cross Section

62-Sm-151
-77.73 To 66.52 %



46

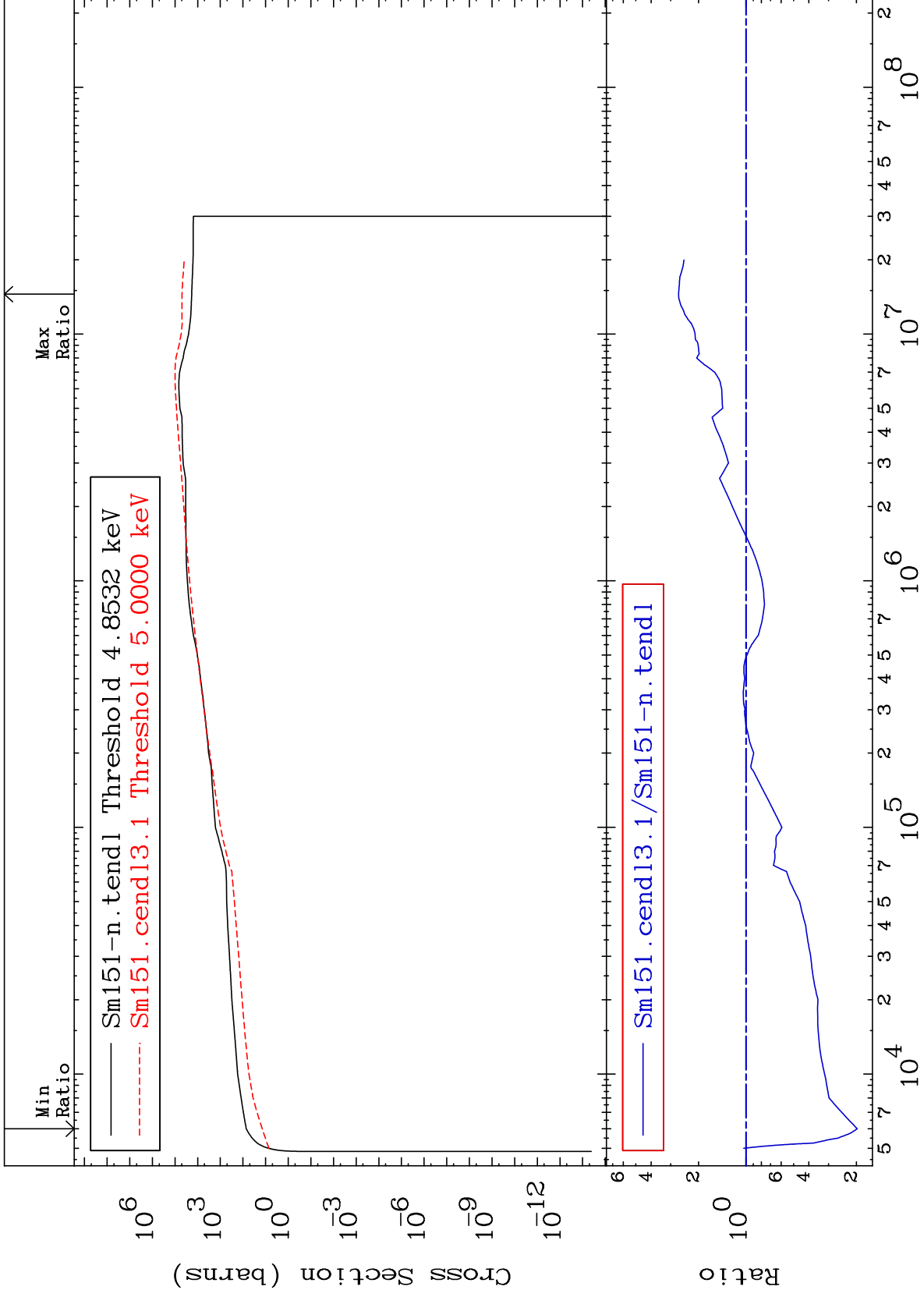
Incident Energy (eV)

62-Sm-151

MAT 6246

Dpa inelastic (mt51-91)
Cross Section

62-Sm-151
-80.26 To 167.5 %



MAT 6246

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-151
-33.48 To 9999. %

