

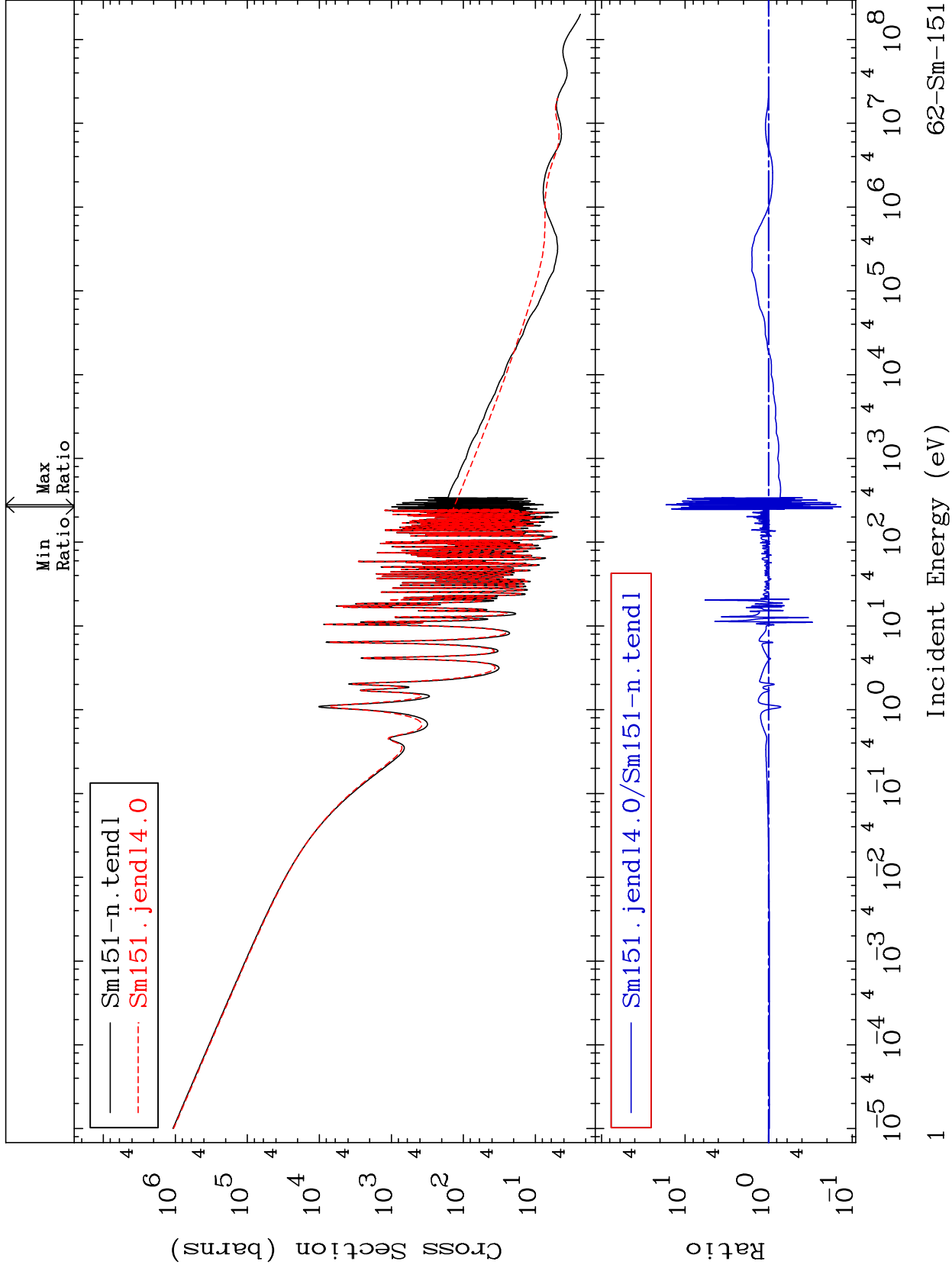
MAT 6246

Total

62-Sm-151

Cross Section

-86.34 To 1594. %



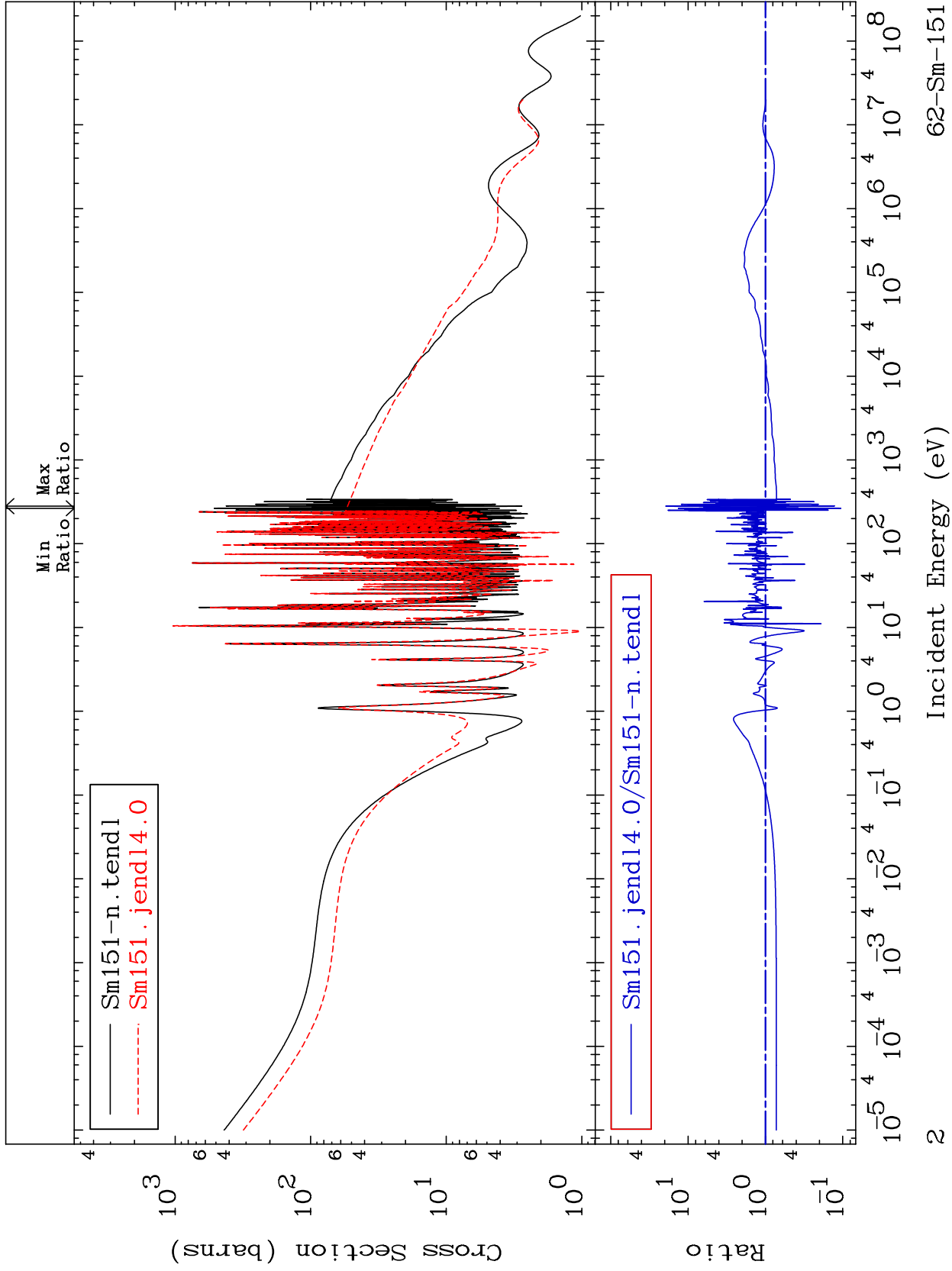
MAT 6246

Elastic

62-Sm-151

Cross Section

-89.42 To 1831. %



Incident Energy (eV)

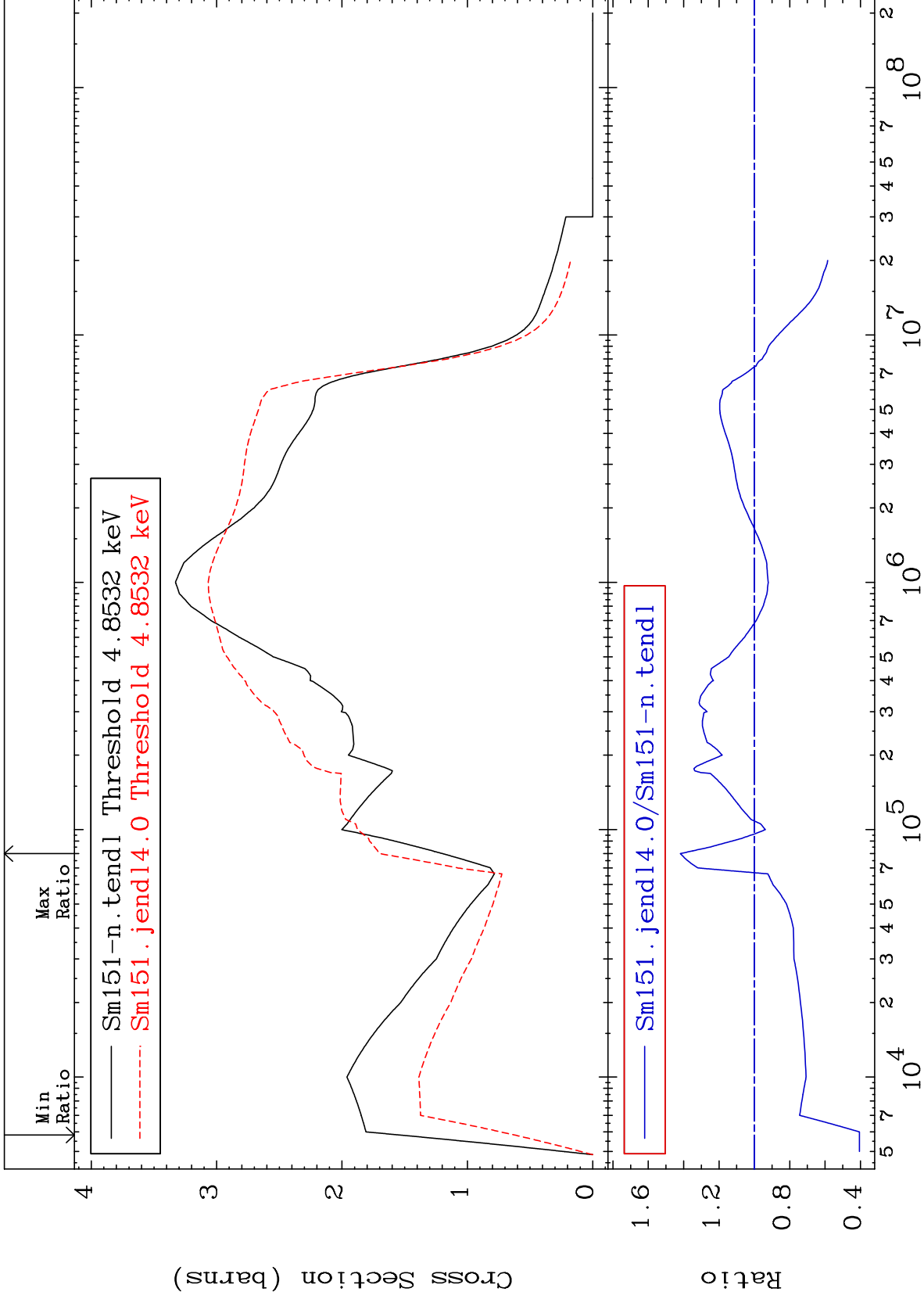
62-Sm-151

2

MAT 6246

Inelastic
Cross Section

62-Sm-151
-59.44 To 41.86 %



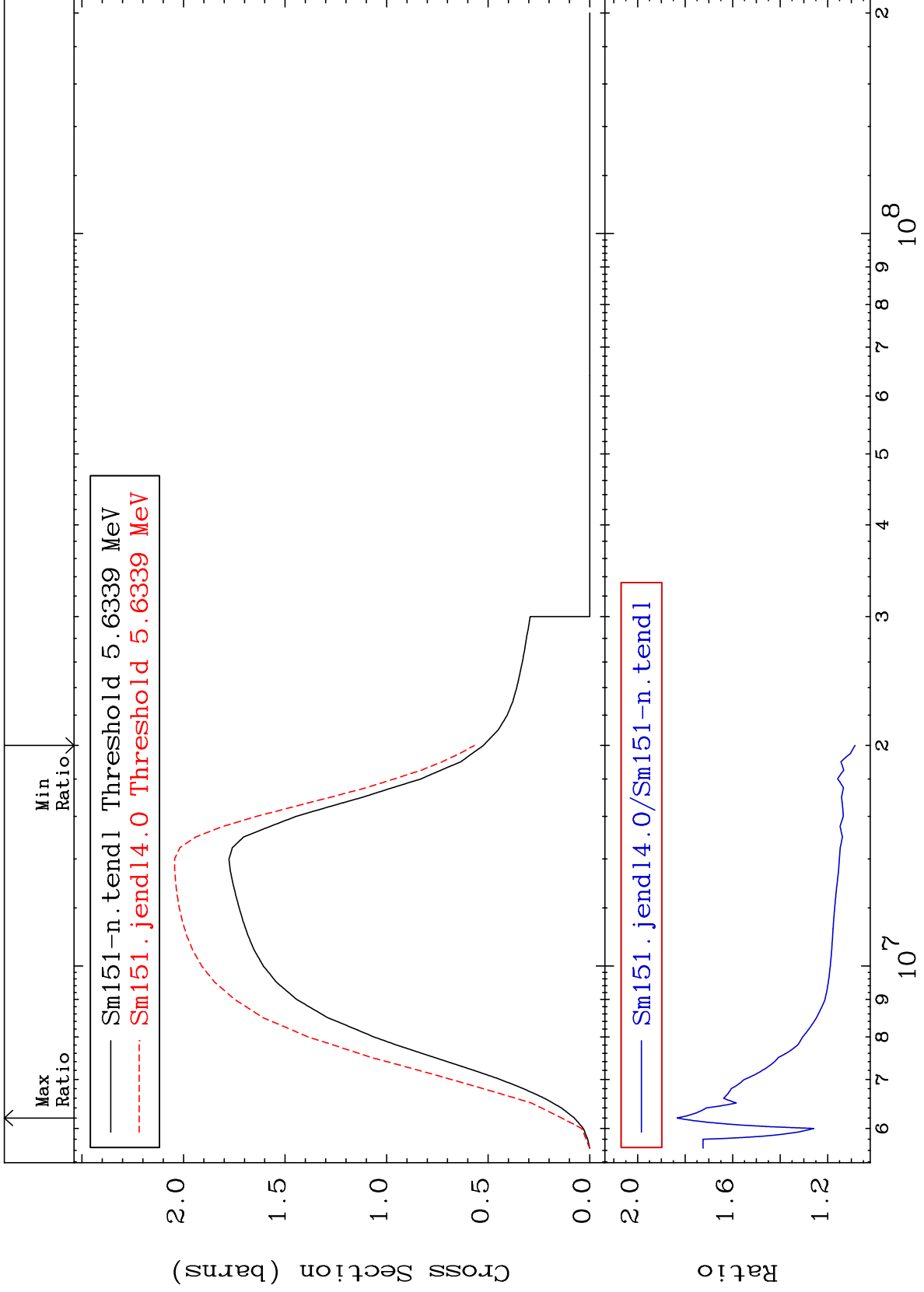
3

62-Sm-151

MAT 6246

(n,2n)
Cross Section

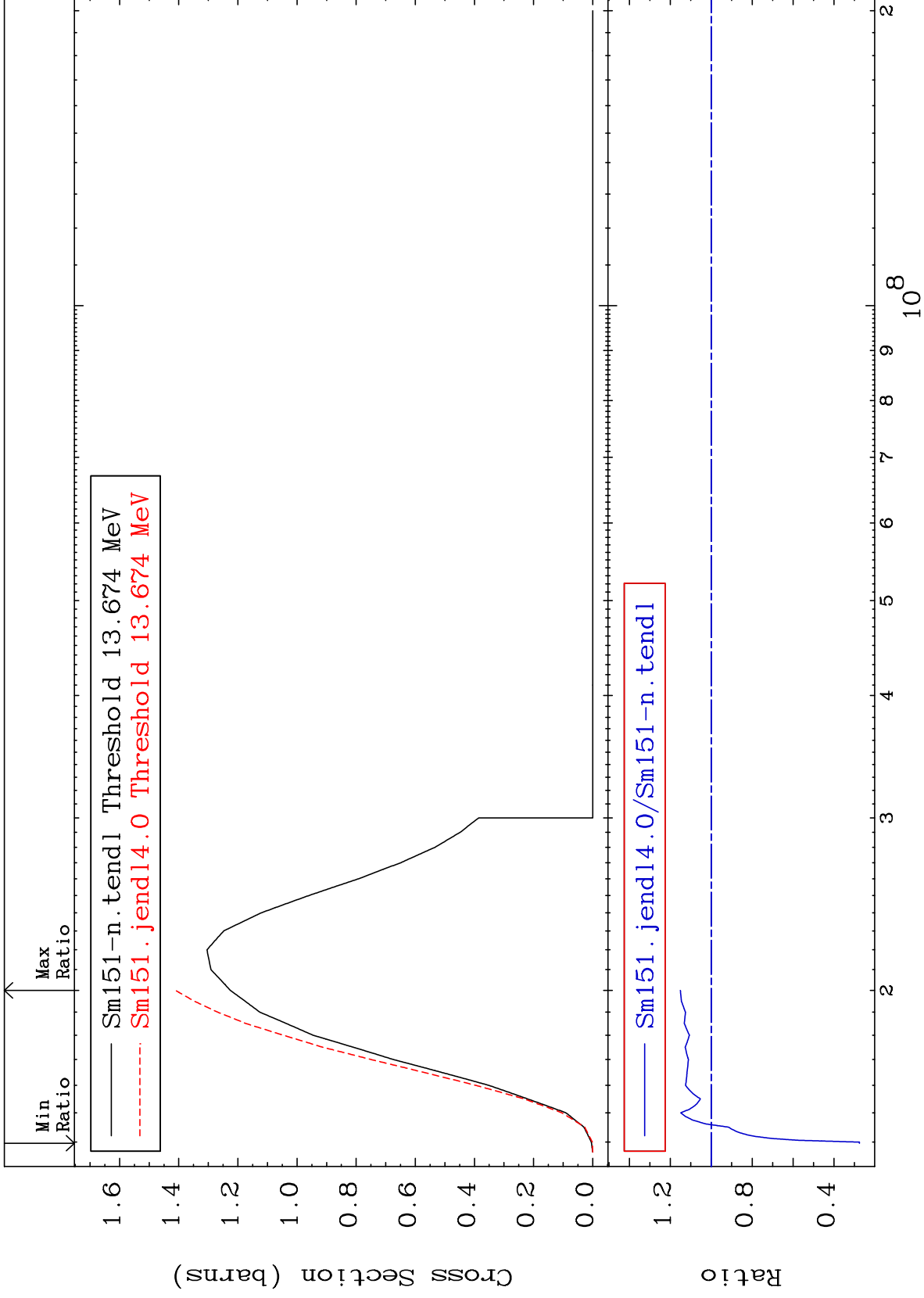
62-Sm-151
8.470 To 83.46 %



4

Incident Energy (eV)

62-Sm-151



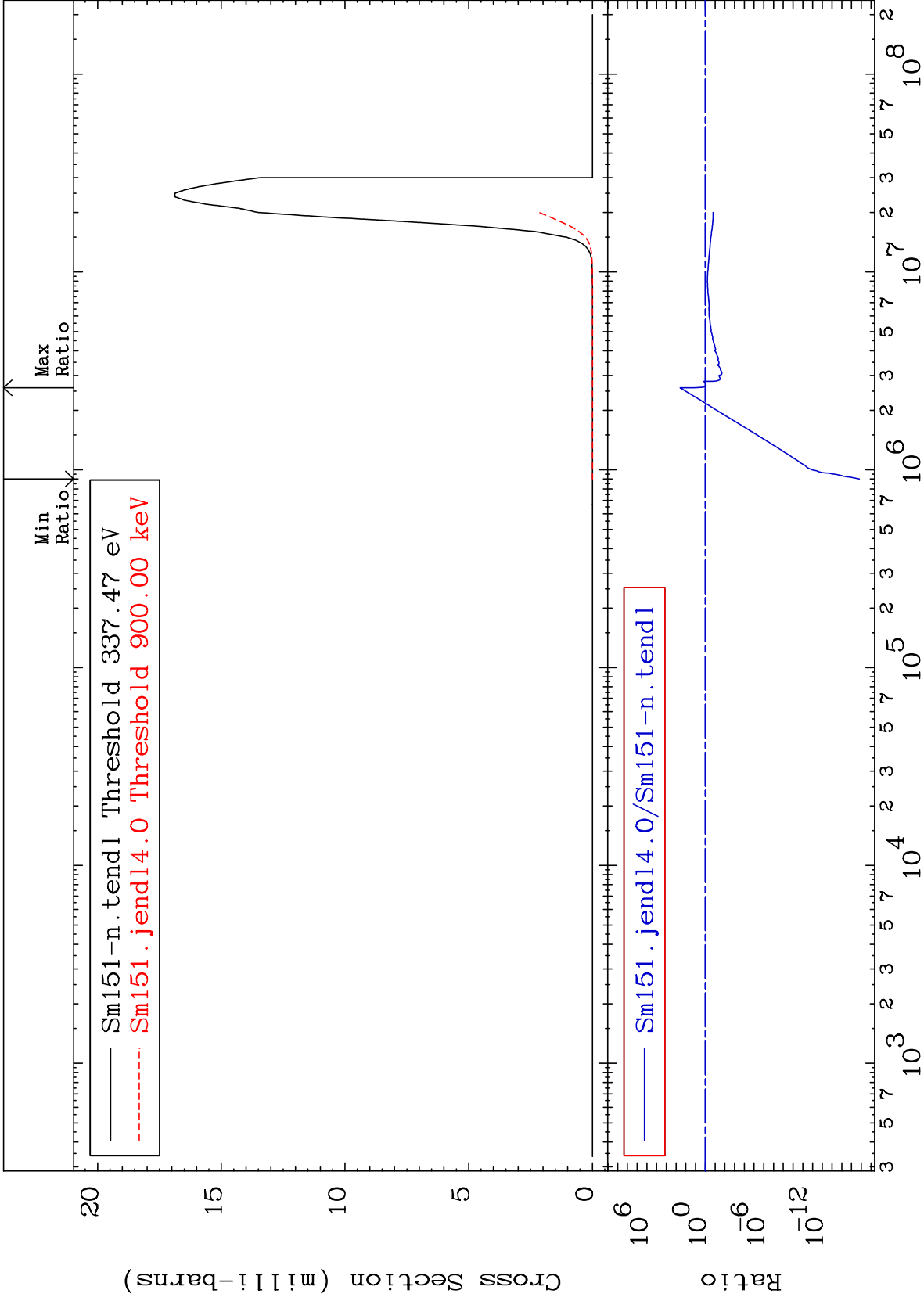
MAT 6246

(n, n') α

62-Sm-151

Cross Section

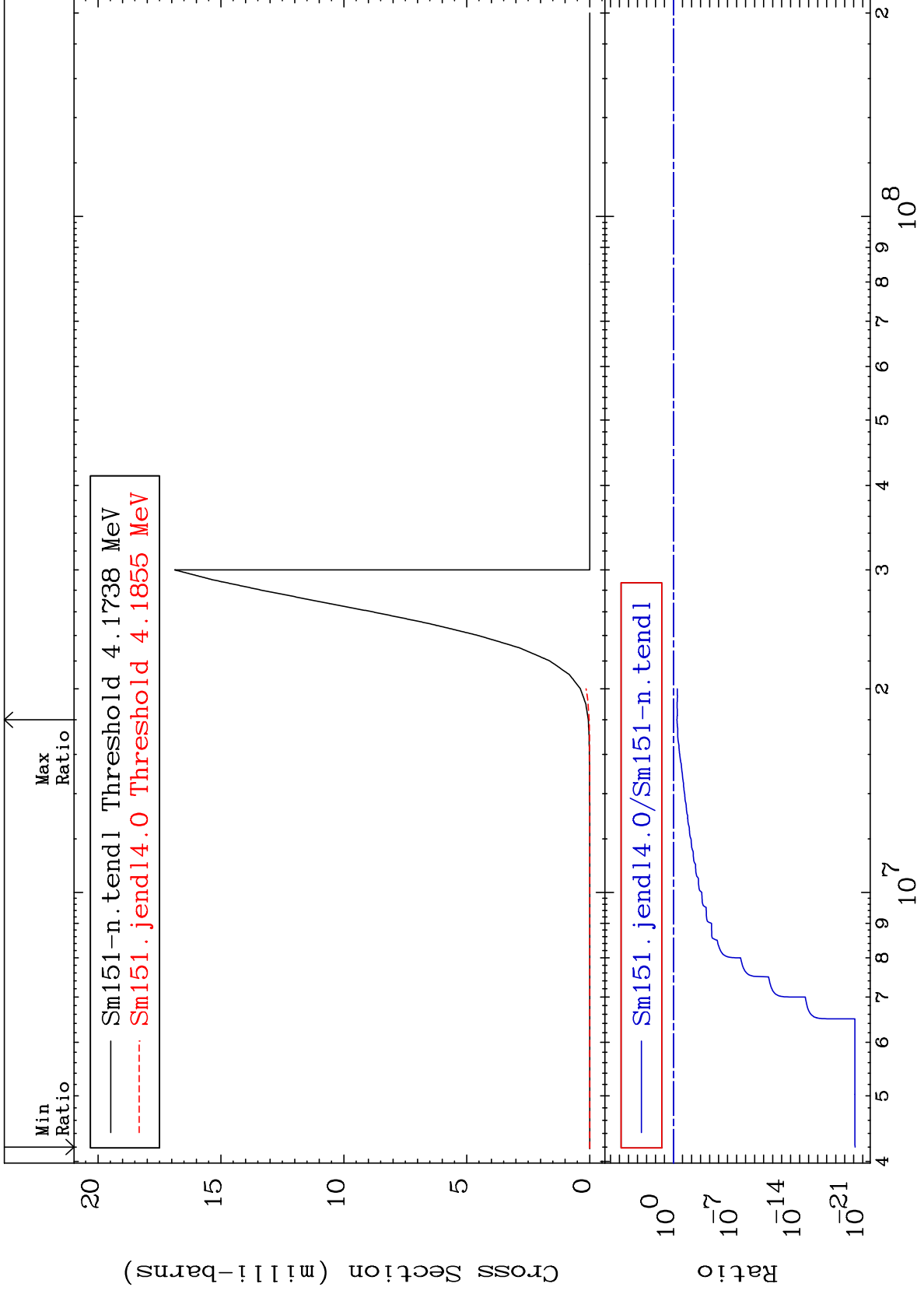
-100.0 To 9999. %



MAT 6246

(n,2n) α
Cross Section

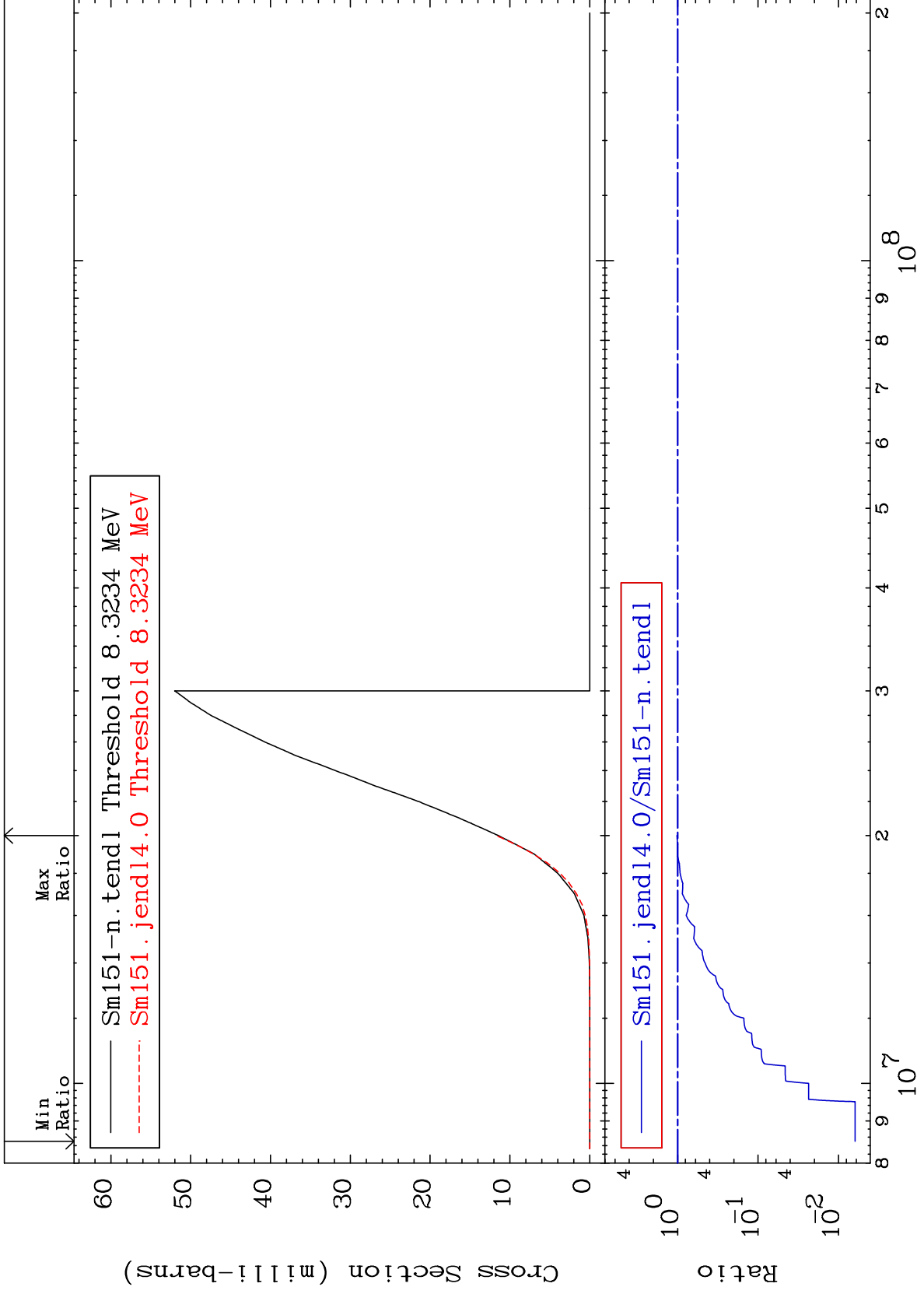
62-Sm-151
-100.0 To -58.09%



MAT 6246

(n, n') p
Cross Section

62-Sm-151
-99.38 To 2.032 %



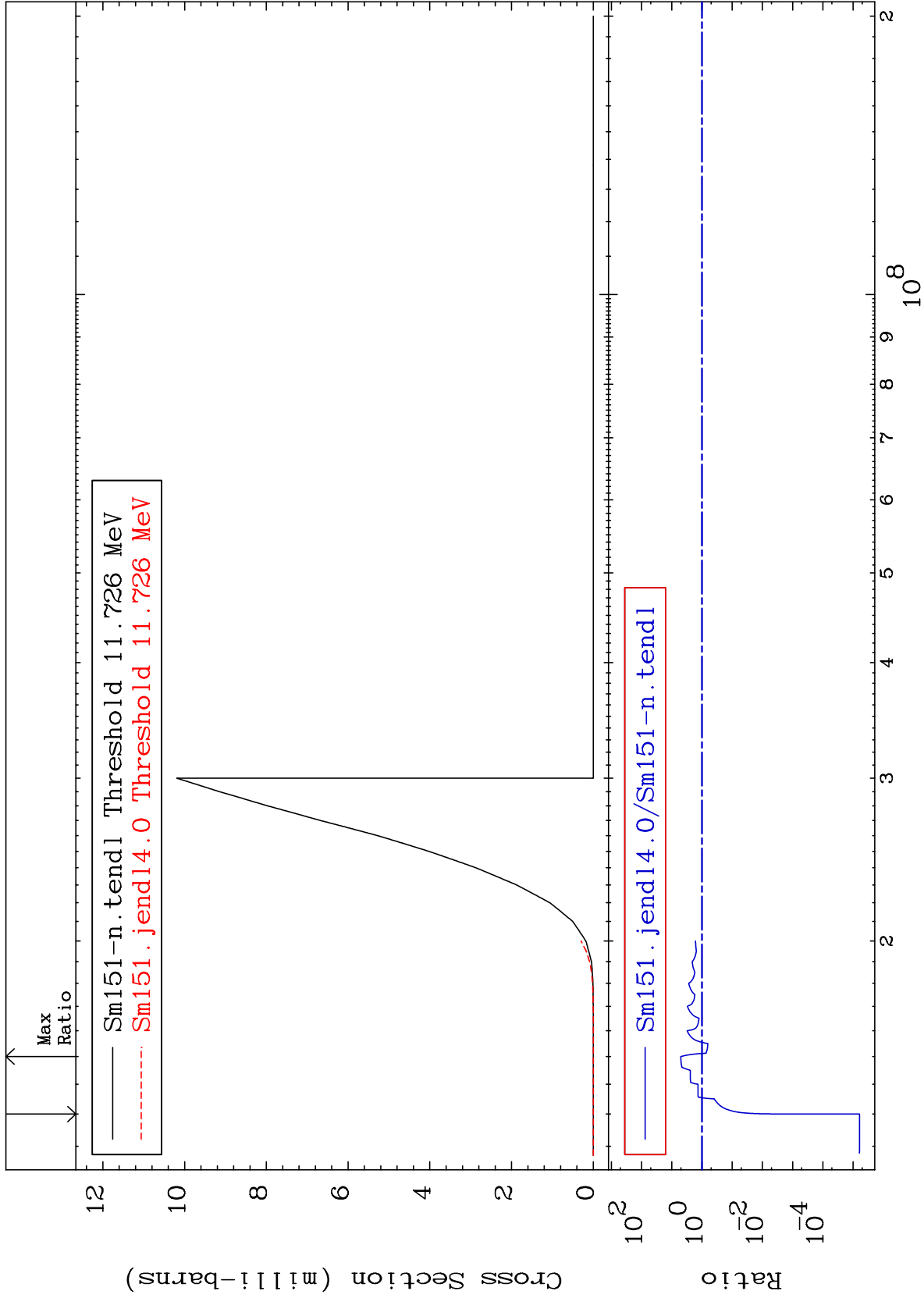
62-Sm-151

8

MAT 6246

(n,n') d
Cross Section

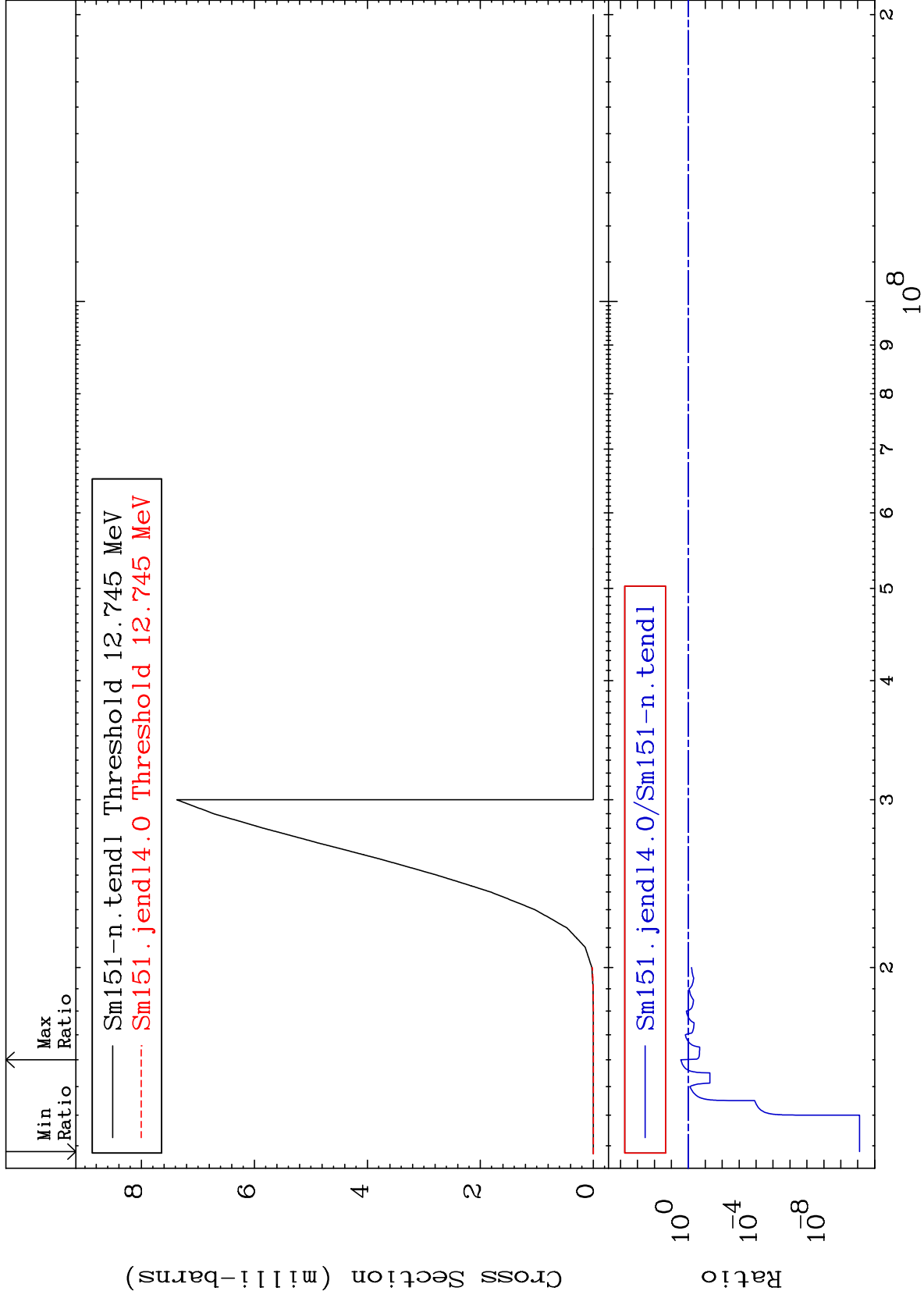
62-Sm-151
-100.0 To 403.8 %



MAT 6246

(n,n') t
Cross Section

62-Sm-151
-100.0 To 177.7 %



10

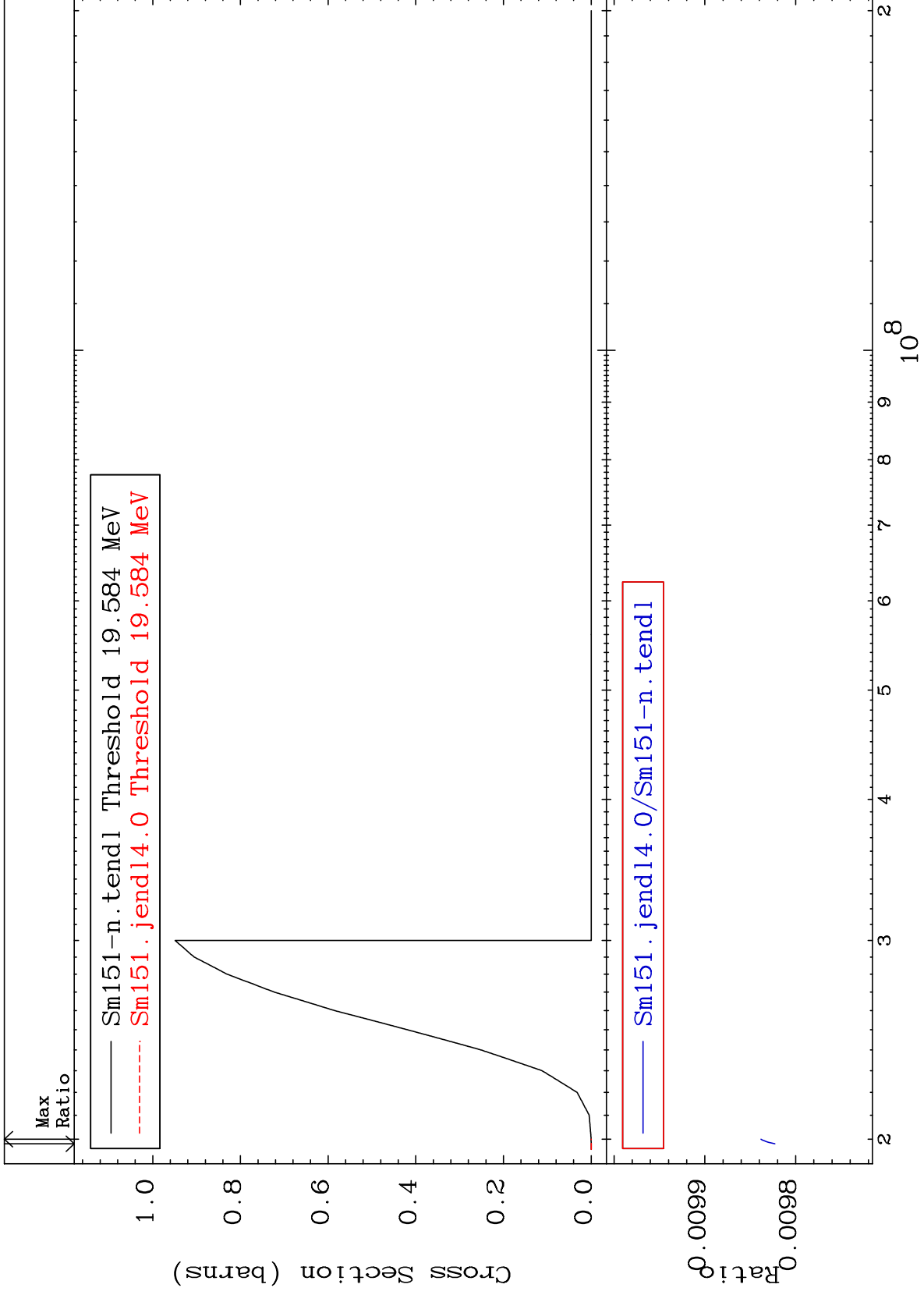
Incident Energy (eV)

62-Sm-151

MAT 6246

(n,4n)
Cross Section

62-Sm-151
-99.02 To -99.02%



11

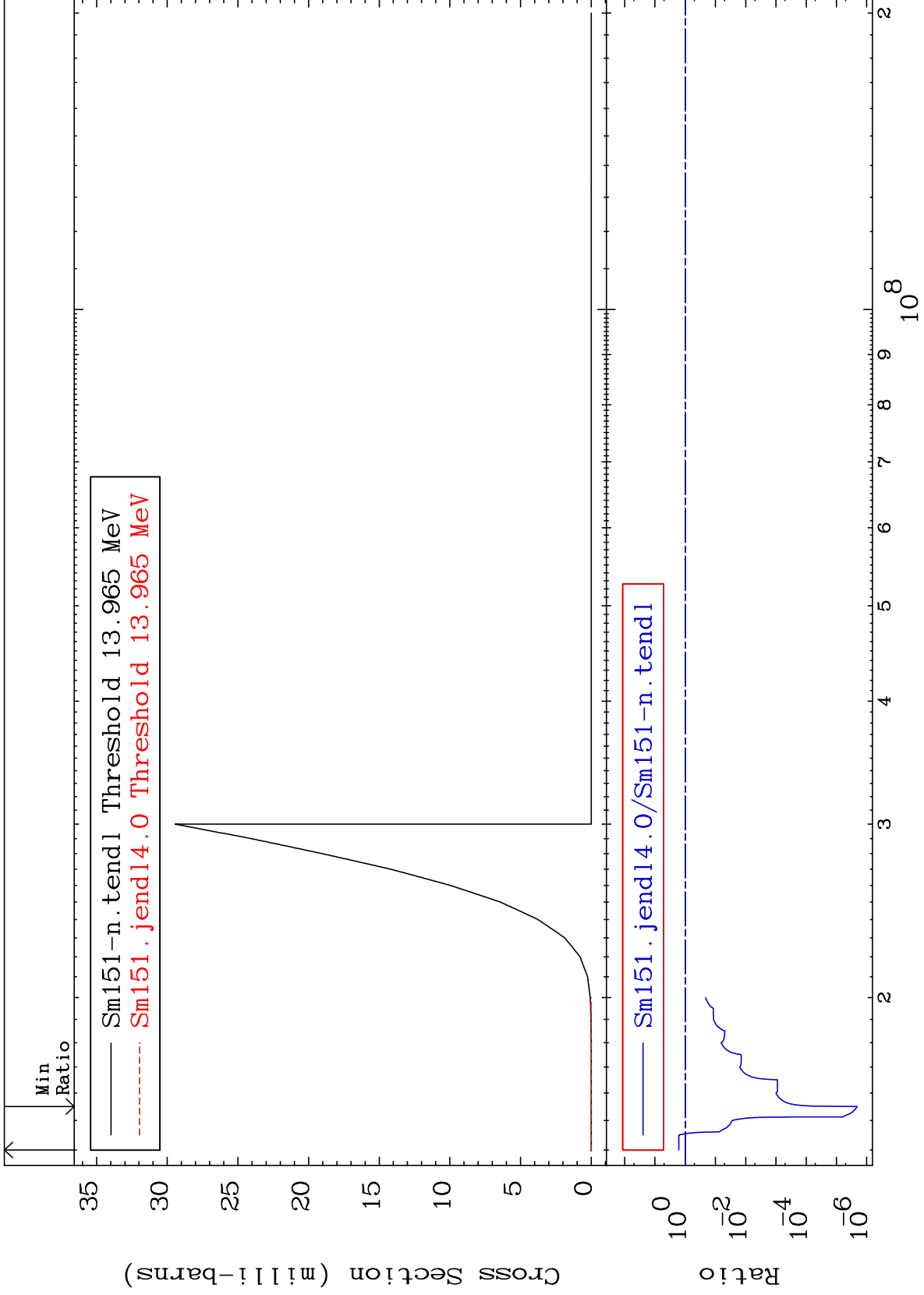
Incident Energy (eV)

62-Sm-151

MAT 6246

(n,2n) p
Cross Section

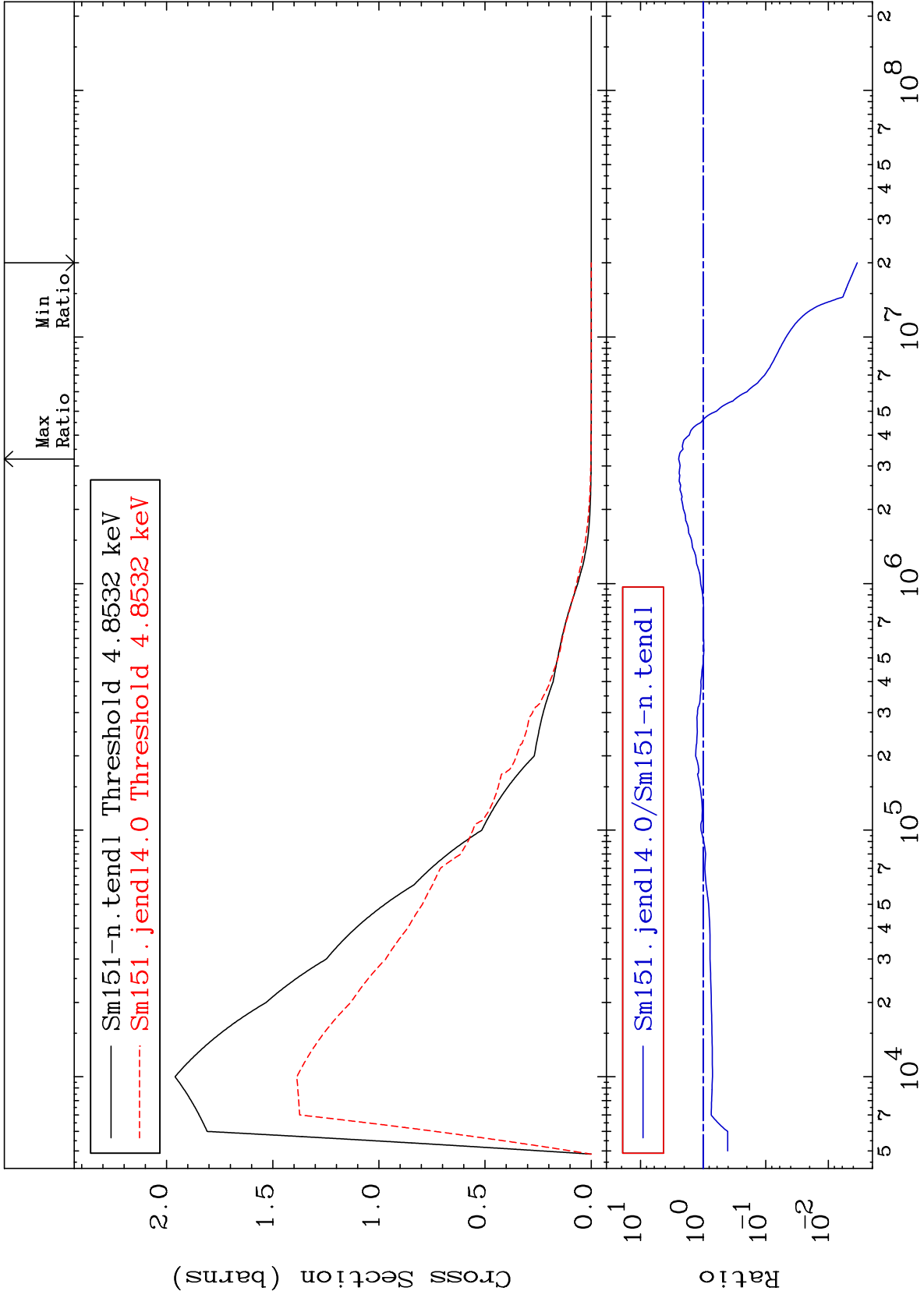
62-Sm-151
-100.0 To 65.06 %



MAT 6246

4.821 keV (n,n') Level
Cross Section

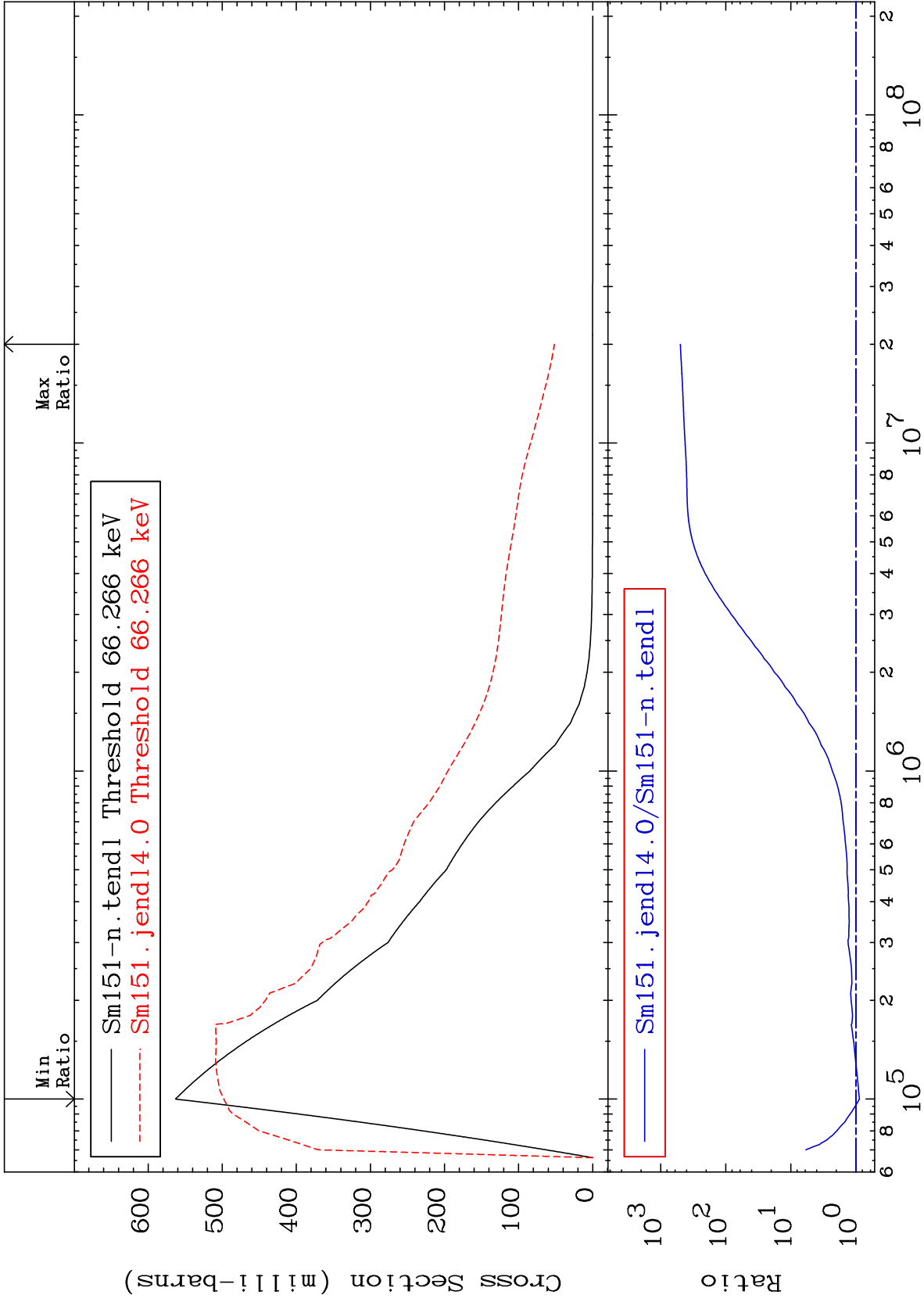
62-Sm-151
-99.65 To 145.6 %



MAT 6246

65.83 keV (n,n') Level
Cross Section

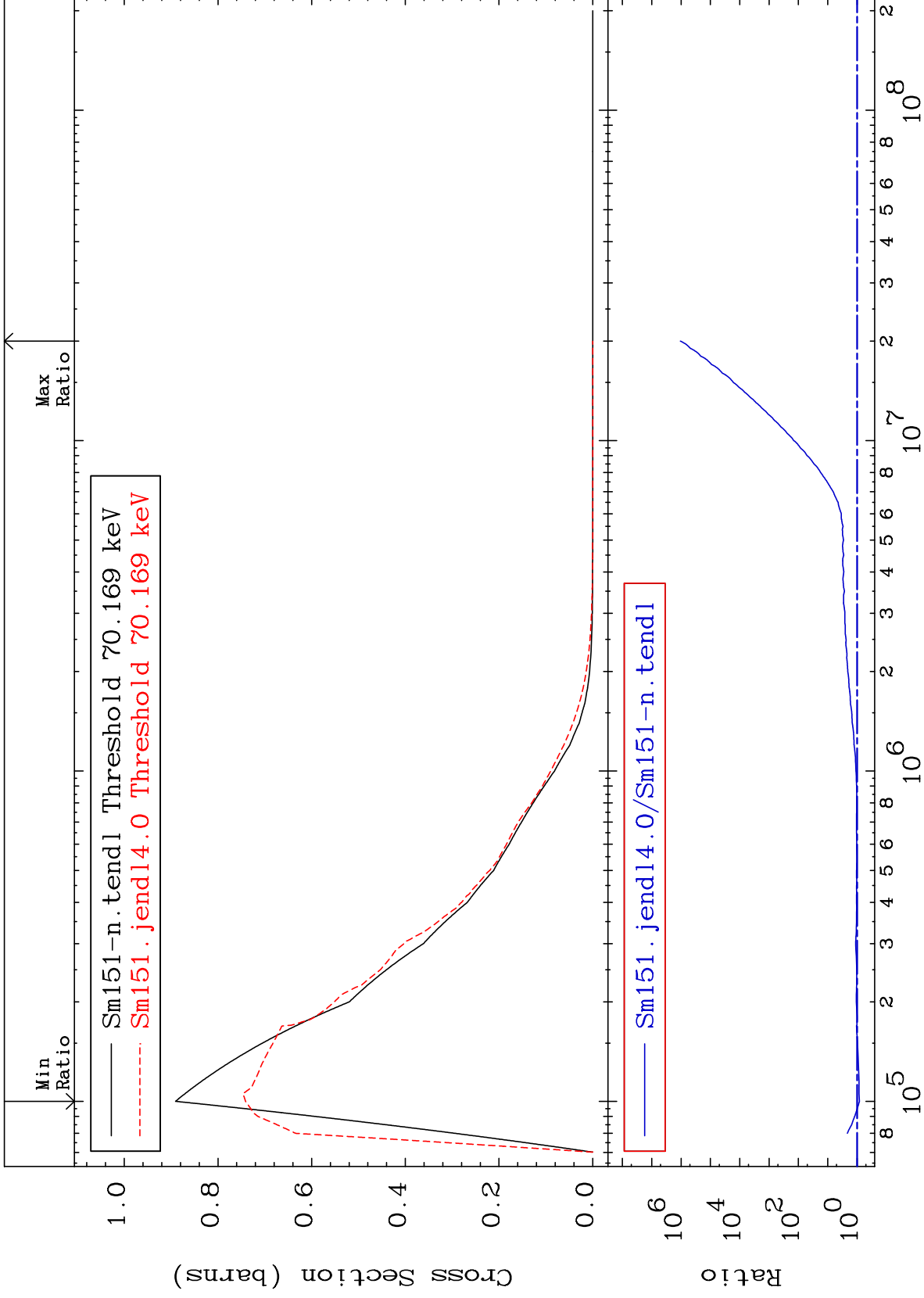
62-Sm-151
-11.58 To 9999. %



MAT 6246

69.70 keV (n,n') Level
Cross Section

62-Sm-151
-16.79 To 9999. %



15

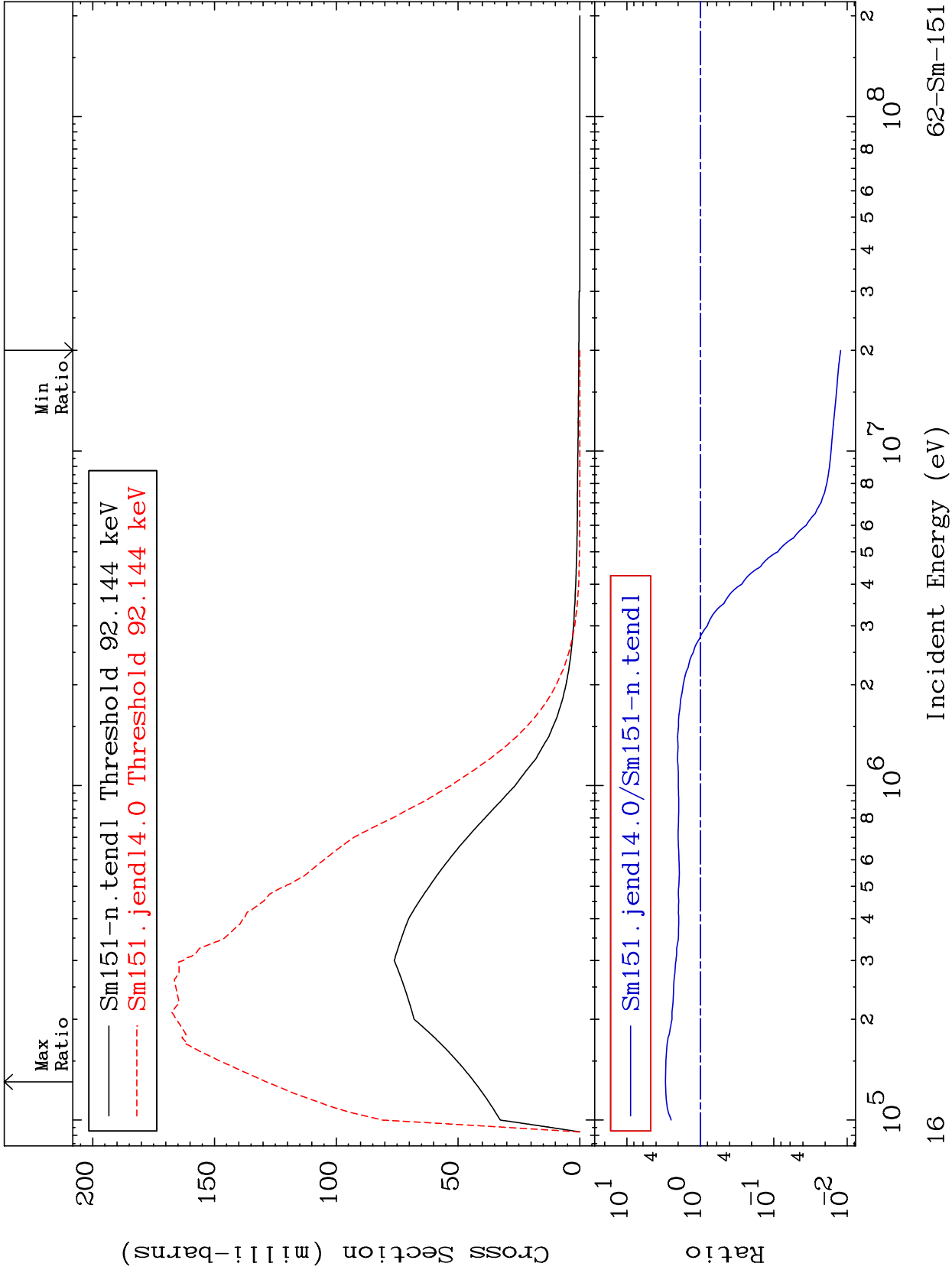
Incident Energy (eV)

62-Sm-151

MAT 6246

91.53 keV (n,n') Level
Cross Section

62-Sm-151
-98.77 To 197.5 %



62-Sm-151

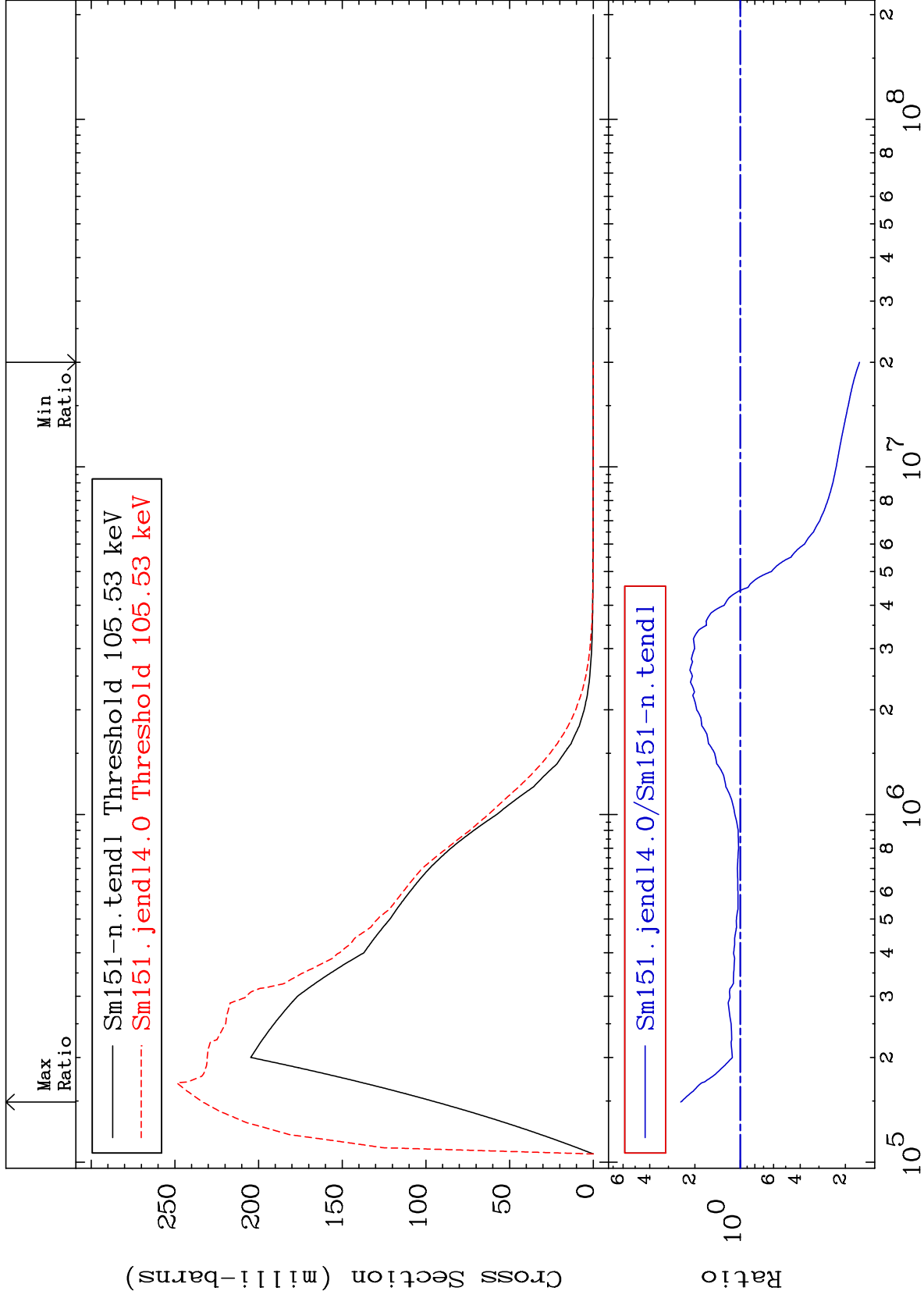
Incident Energy (eV)

16

MAT 6246

104.8 keV (n,n') Level
Cross Section

62-Sm-151
-83.87 To 148.4 %



17

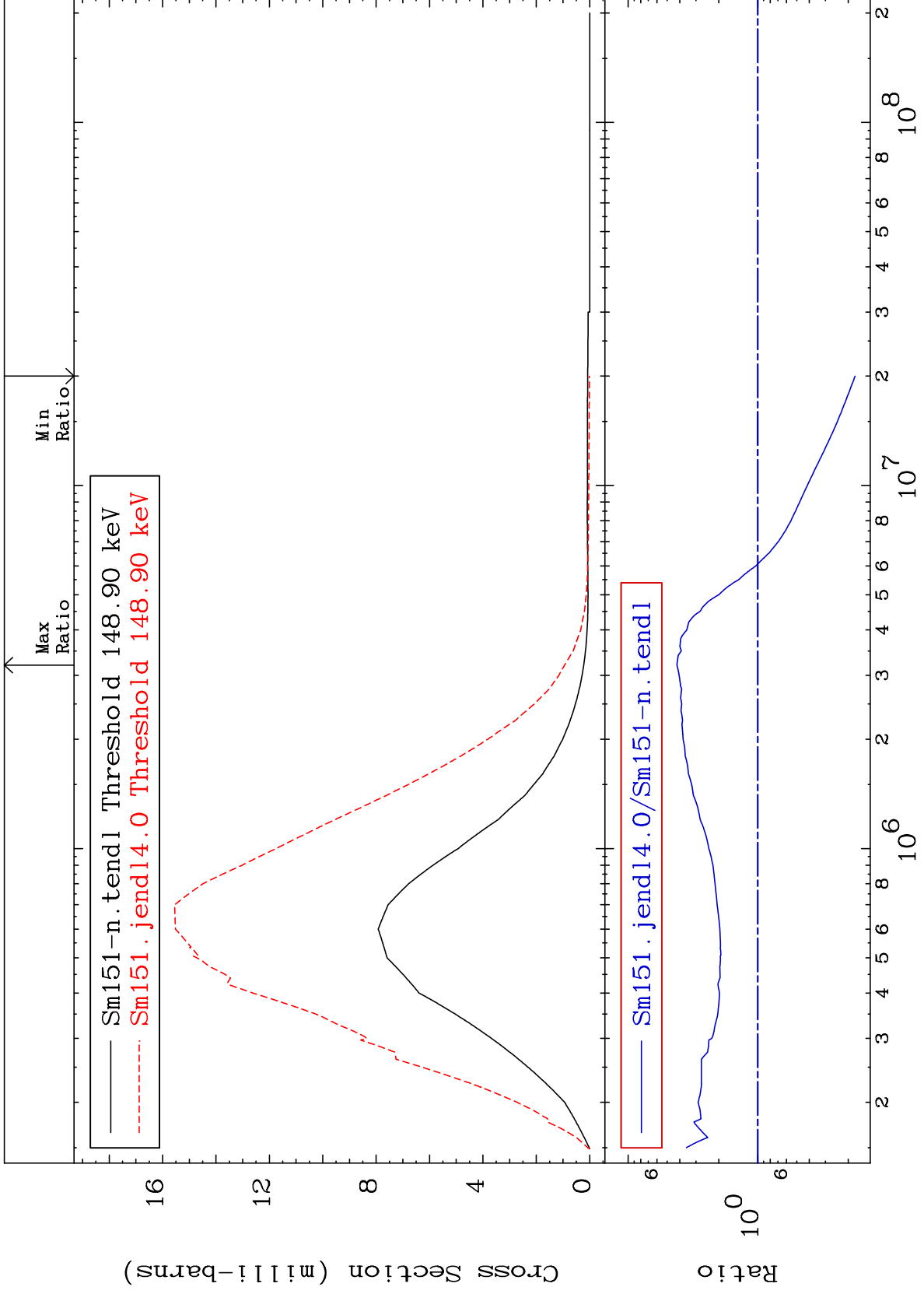
62-Sm-151

62-Sm-151

MAT 6246

147.9 keV (n,n') Level
Cross Section

62-Sm-151
-82.28 To 320.7 %



18

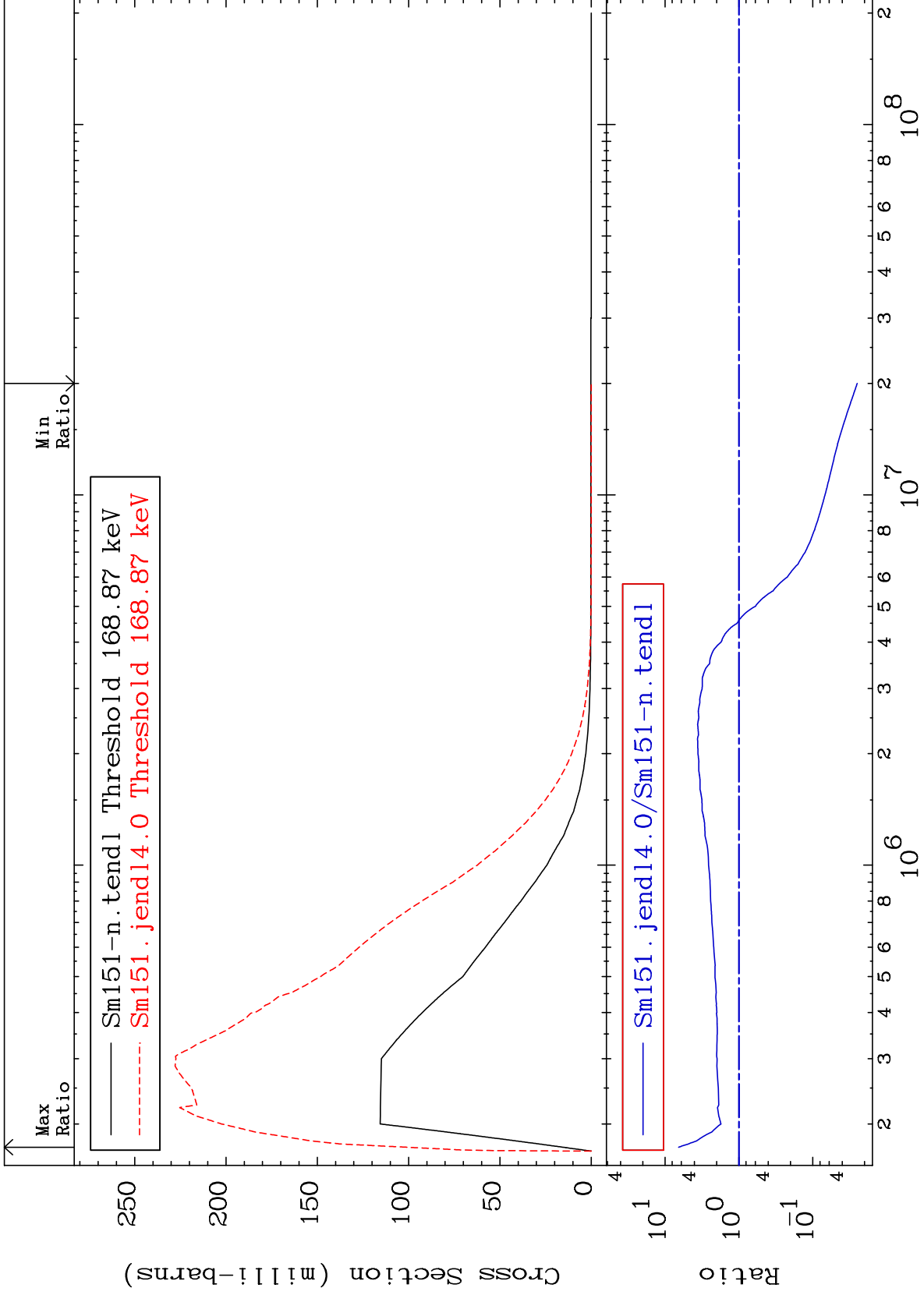
Incident Energy (eV)

62-Sm-151

MAT 6246

167.7 keV (n,n') Level
Cross Section

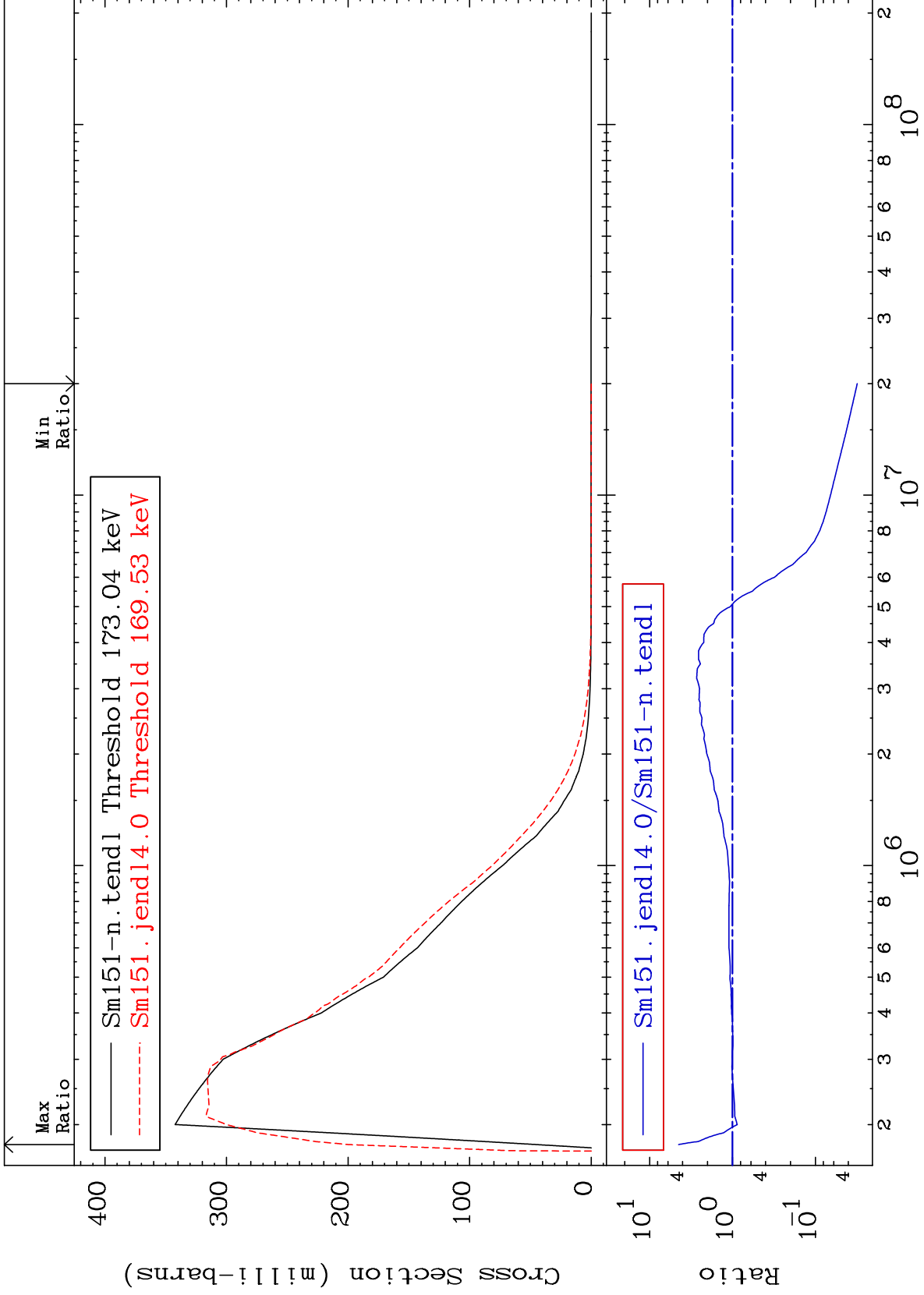
62-Sm-151
-97.49 To 553.6 %



MAT 6246

171.9 keV (n,n') Level
Cross Section

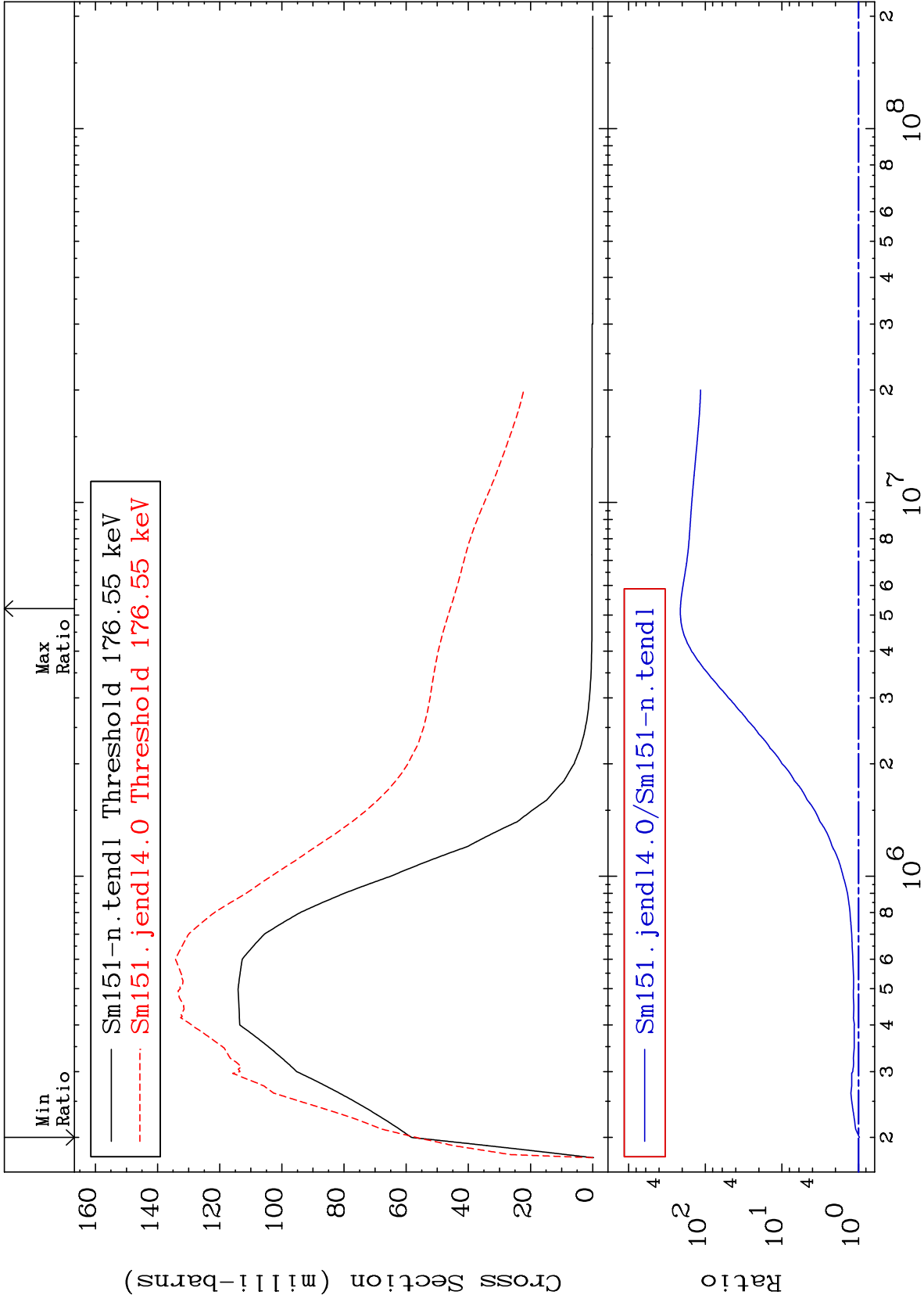
62-Sm-151
-96.88 To 346.6 %



MAT 6246

175.4 keV (n,n') Level
Cross Section

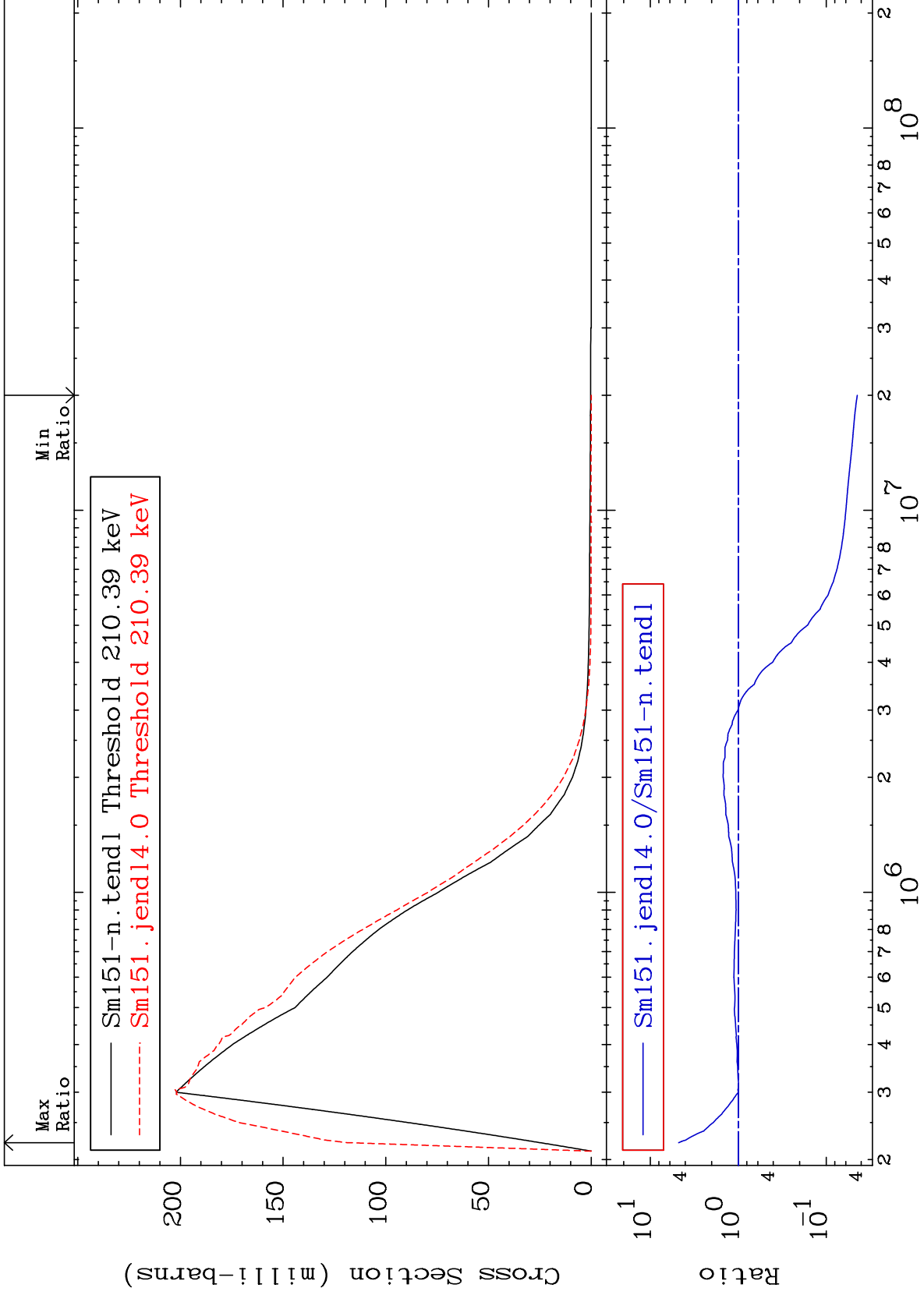
62-Sm-151
-2.564 To 9999. %



MAT 6246

209.0 keV (n,n') Level
Cross Section

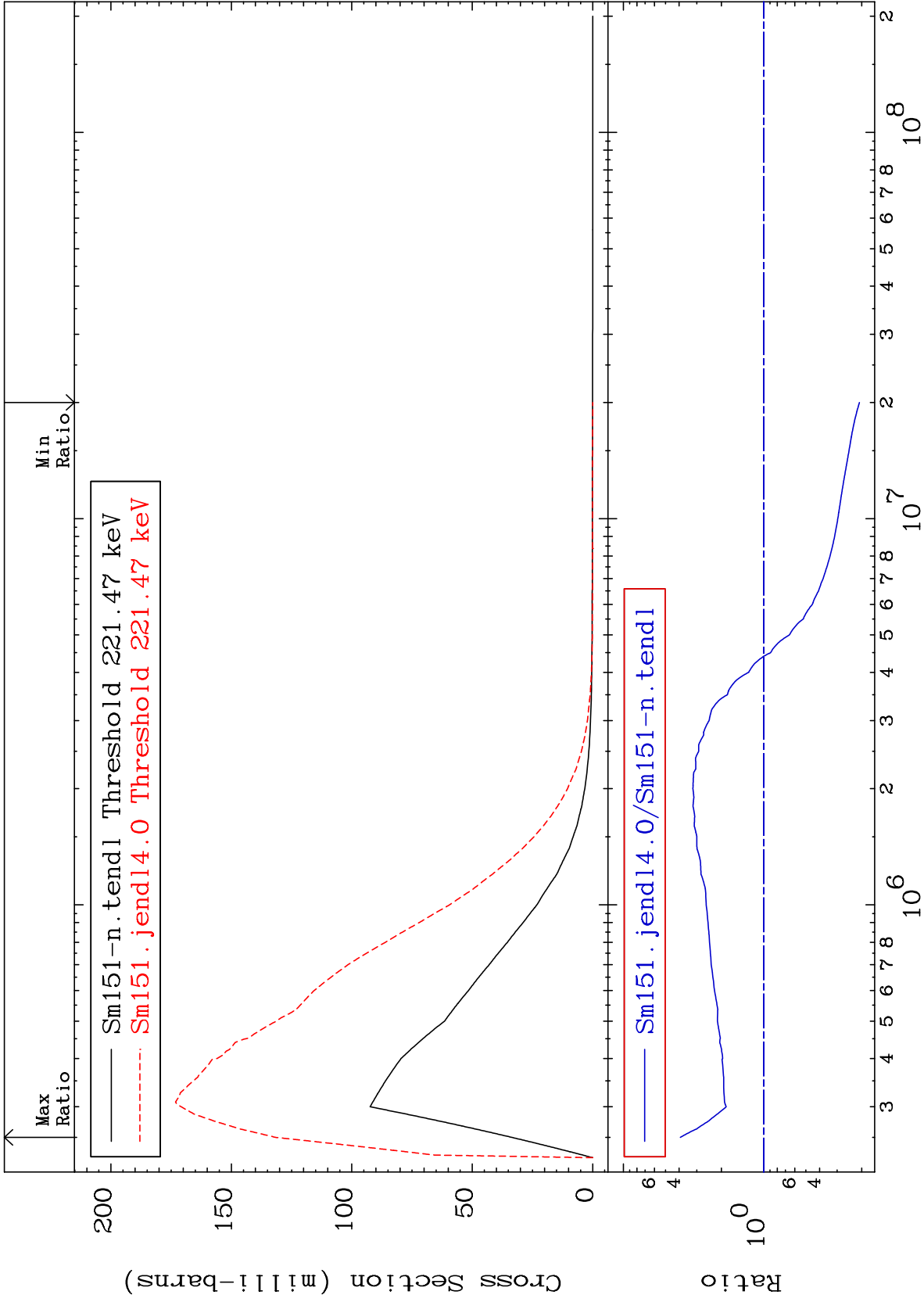
62-Sm-151
-95.56 To 375.6 %



MAT 6246

220.0 keV (n,n') Level
Cross Section

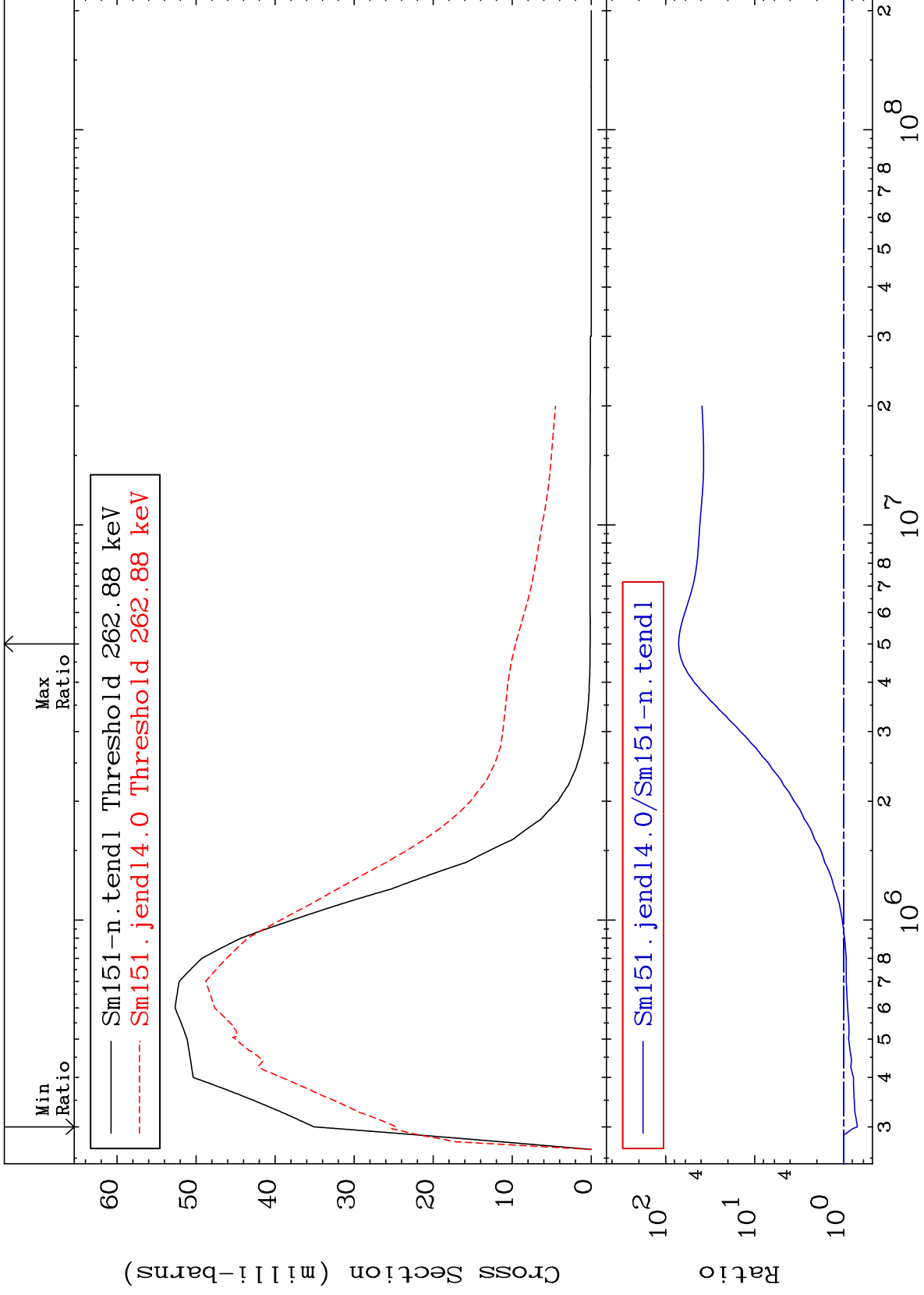
62-Sm-151
-79.22 To 292.2 %



MAT 6246

261.1 keV (n,n') Level
Cross Section

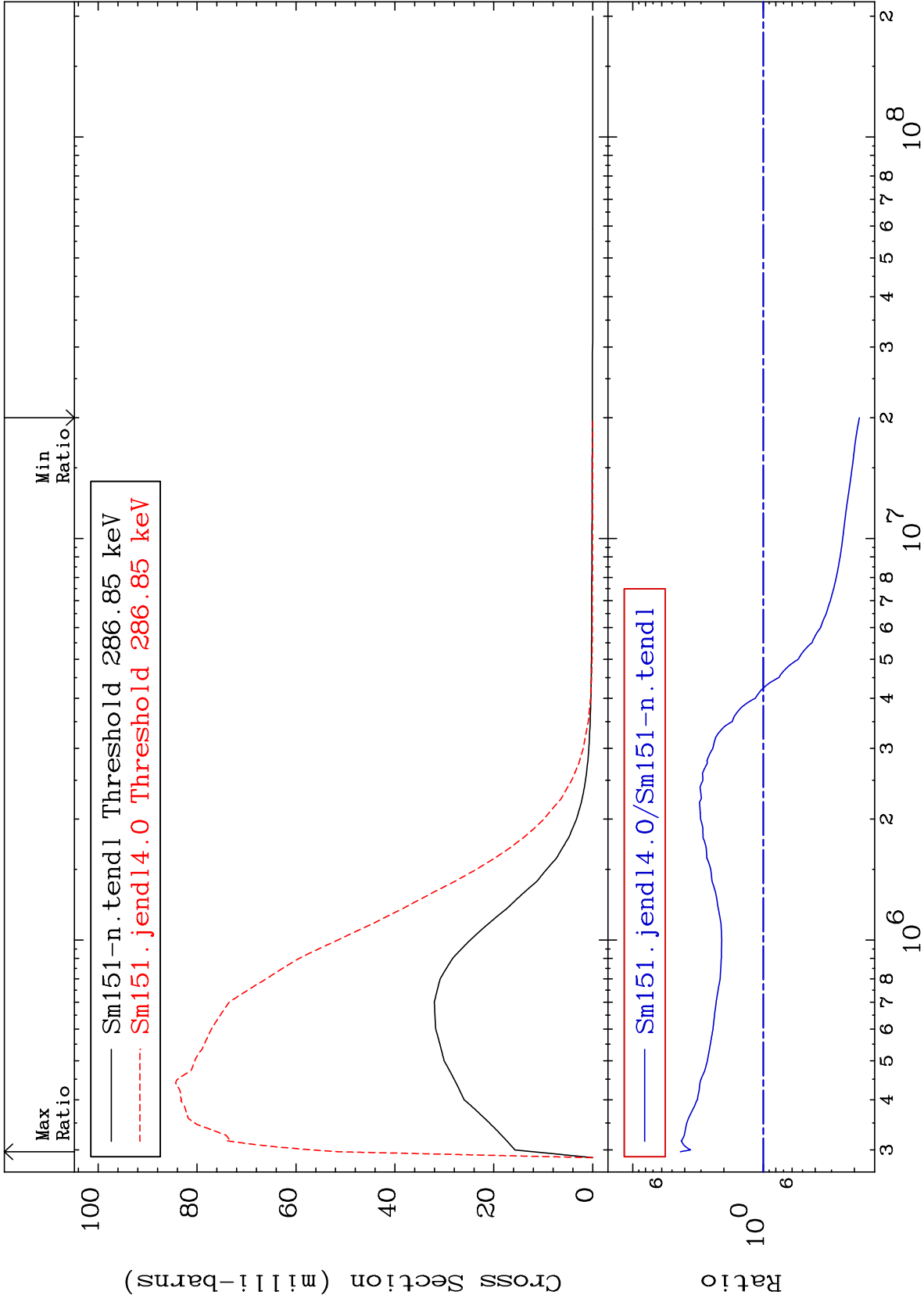
62-Sm-151
-29.53 To 7059. %



MAT 6246

285.0 keV (n,n') Level
Cross Section

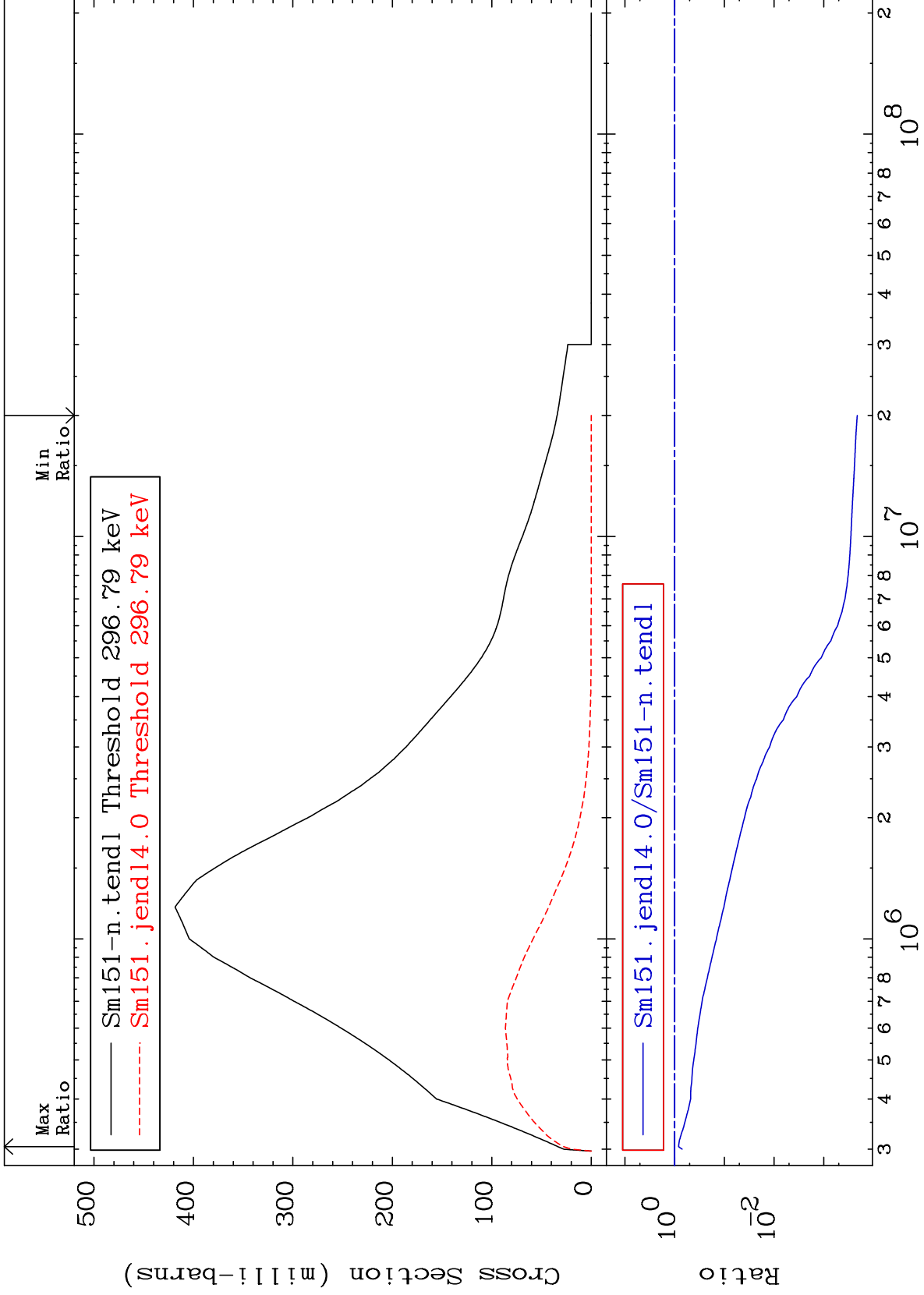
62-Sm-151
-81.70 To 331.6 %



MAT 6246

294.8 keV (n,n') Level
Cross Section

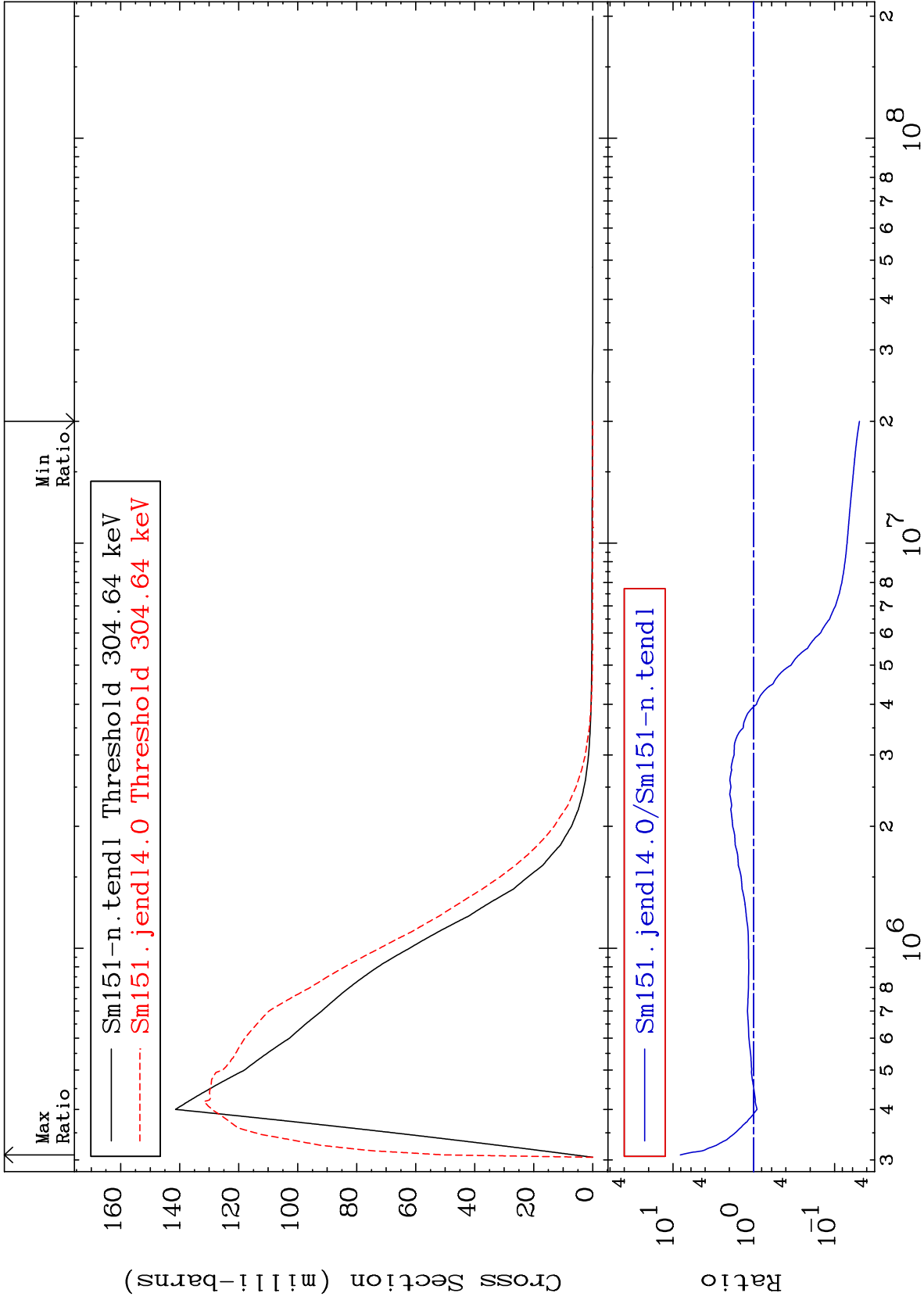
62-Sm-151
-99.98 To -16.73%



MAT 6246

302.6 keV (n,n') Level
Cross Section

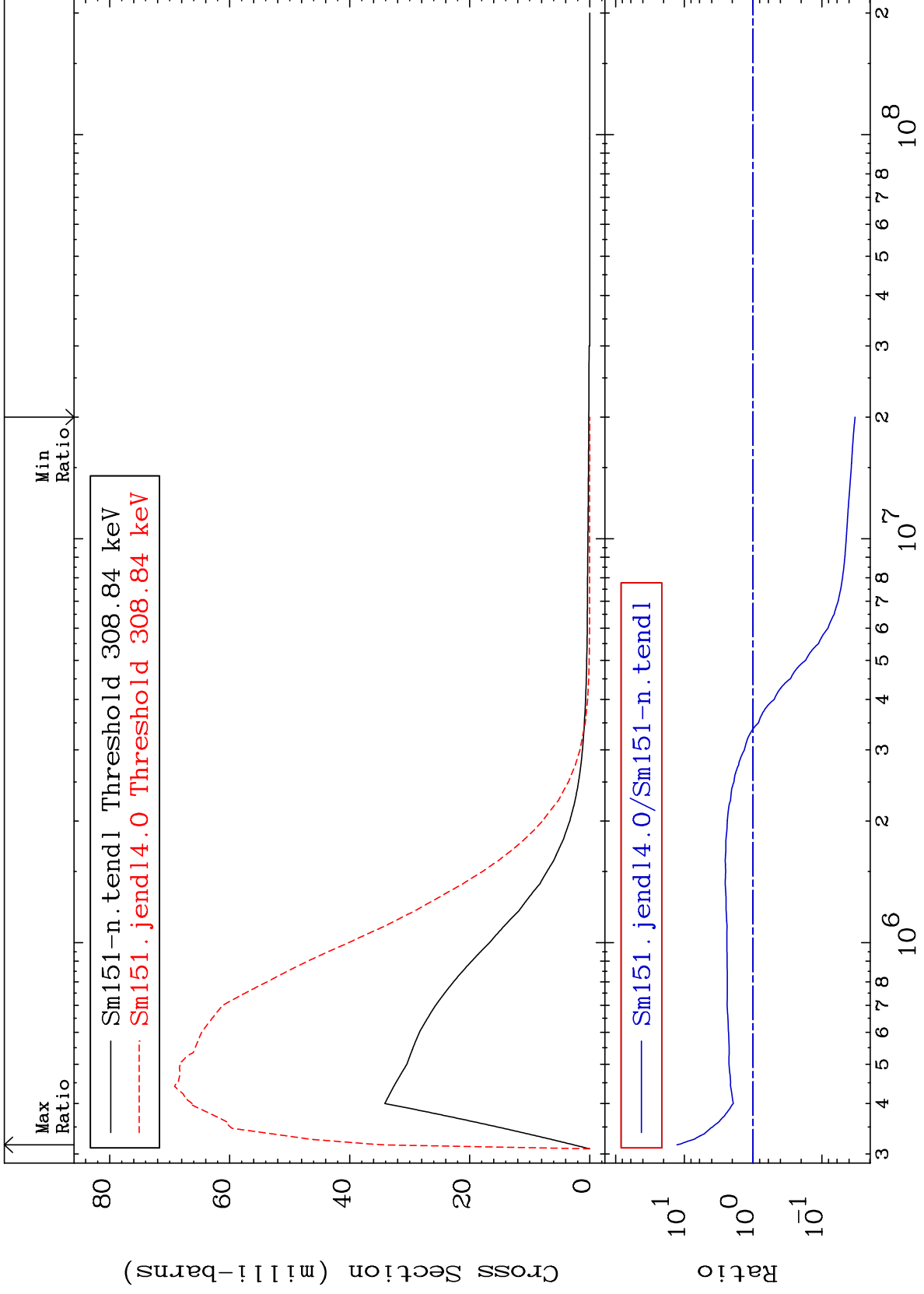
62-Sm-151
-95.08 To 709.0 %



MAT 6246

306.8 keV (n,n') Level
Cross Section

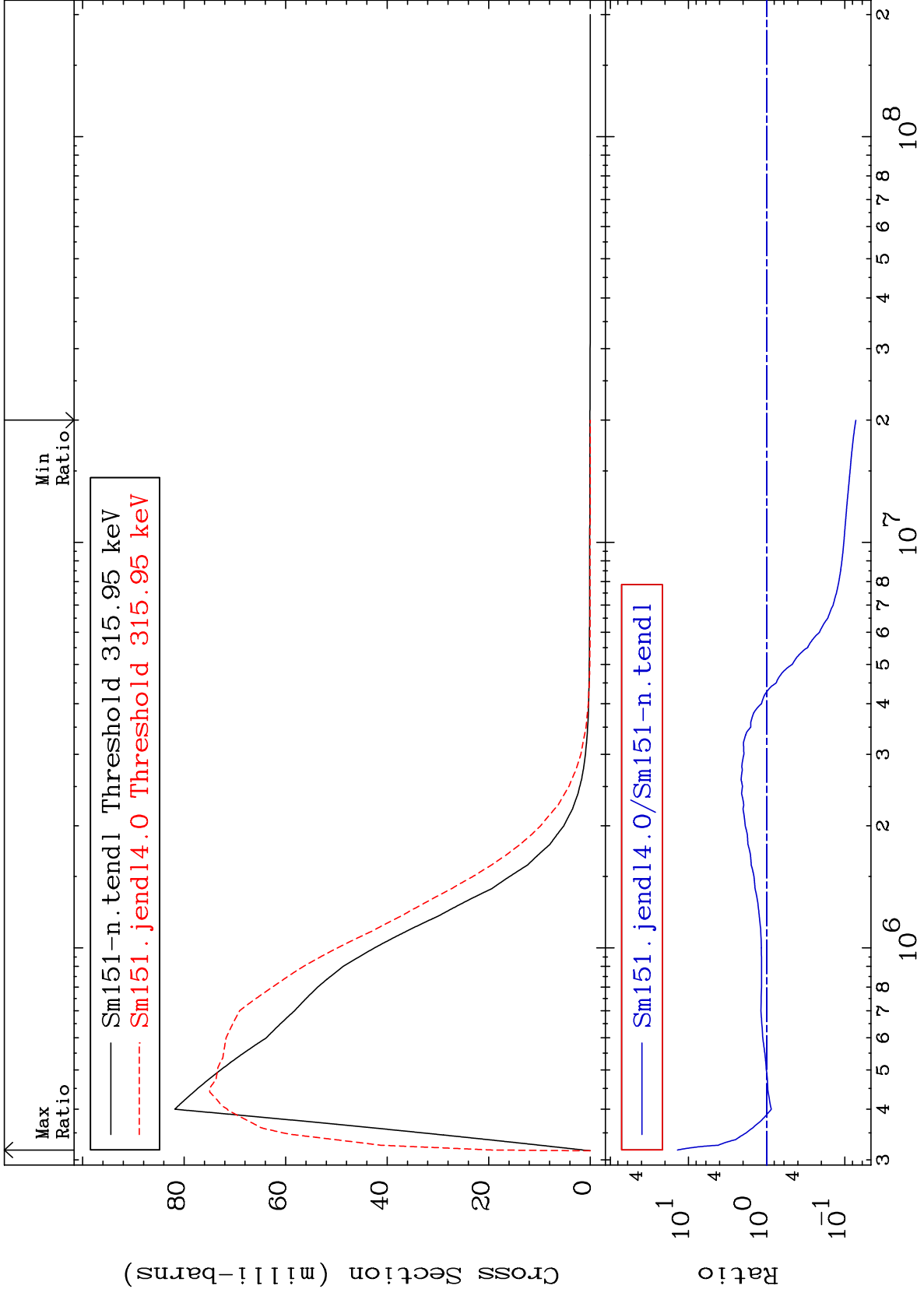
62-Sm-151
-96.72 To 1181. %



MAT 6246

313.8 keV (n,n') Level
Cross Section

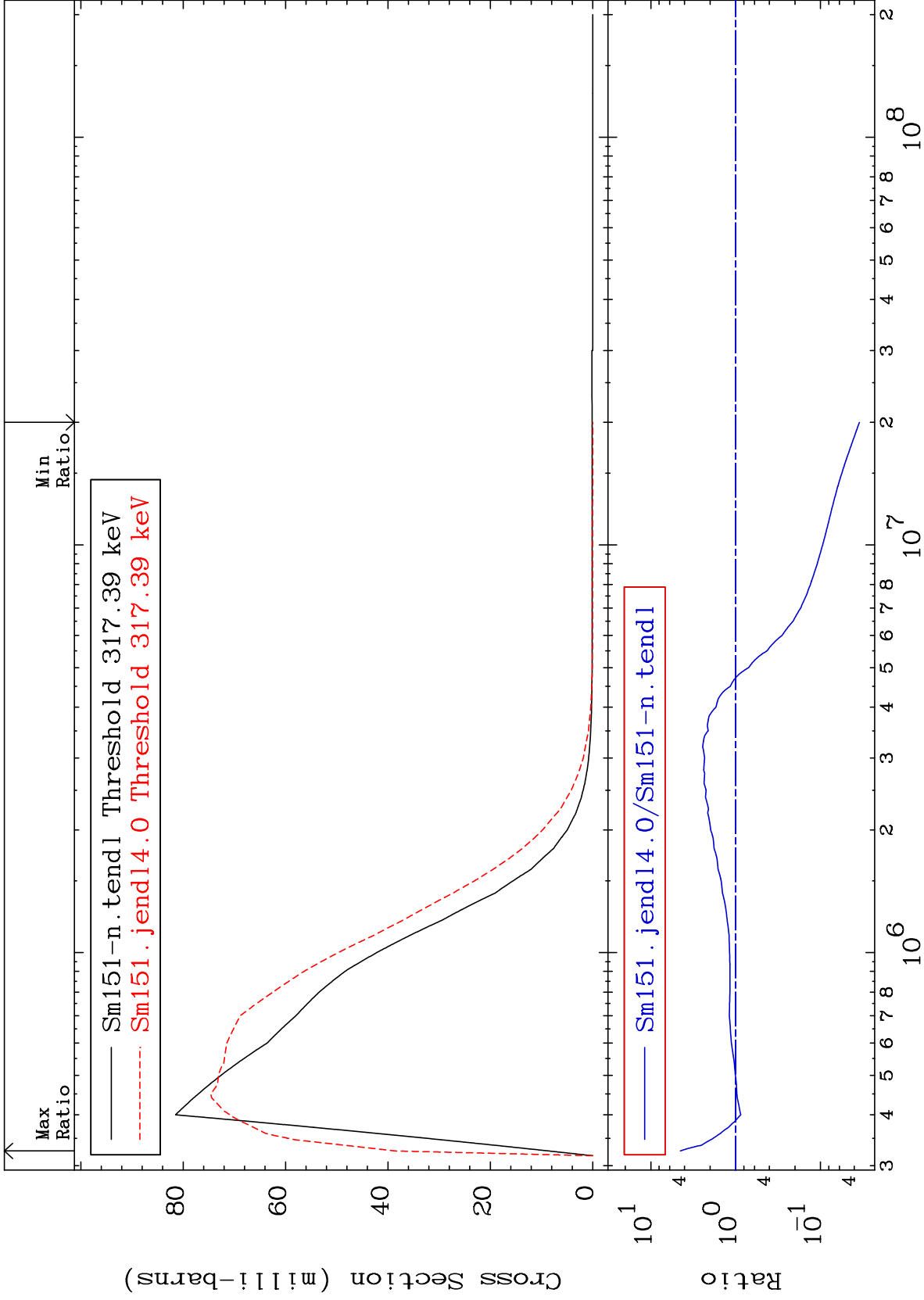
62-Sm-151
-92.76 To 1283. %



MAT 6246

315.3 keV (n,n') Level
Cross Section

62-Sm-151
-96.52 To 348.5 %



30

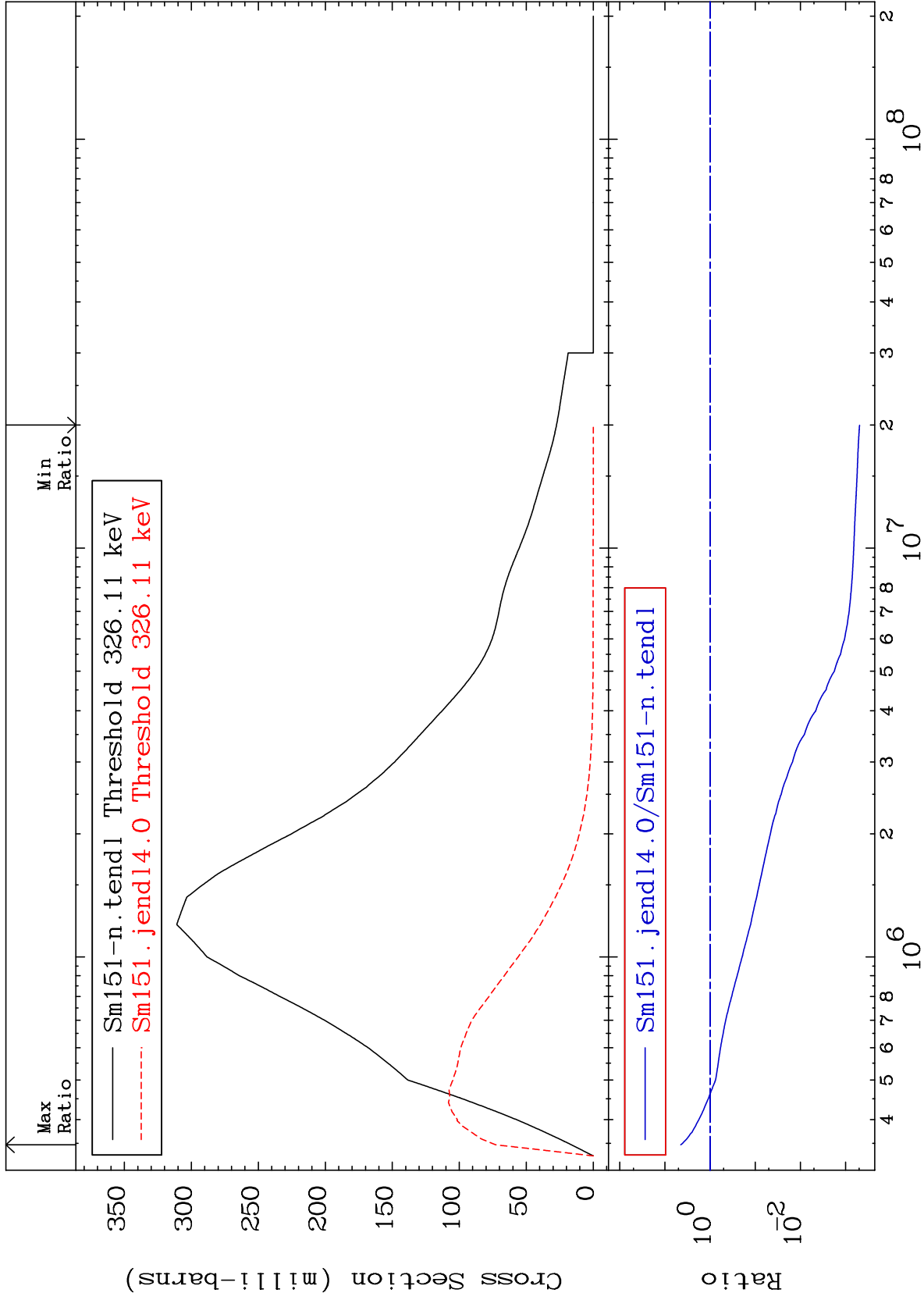
Incident Energy (eV)

62-Sm-151

MAT 6246

323.9 keV (n,n') Level
Cross Section

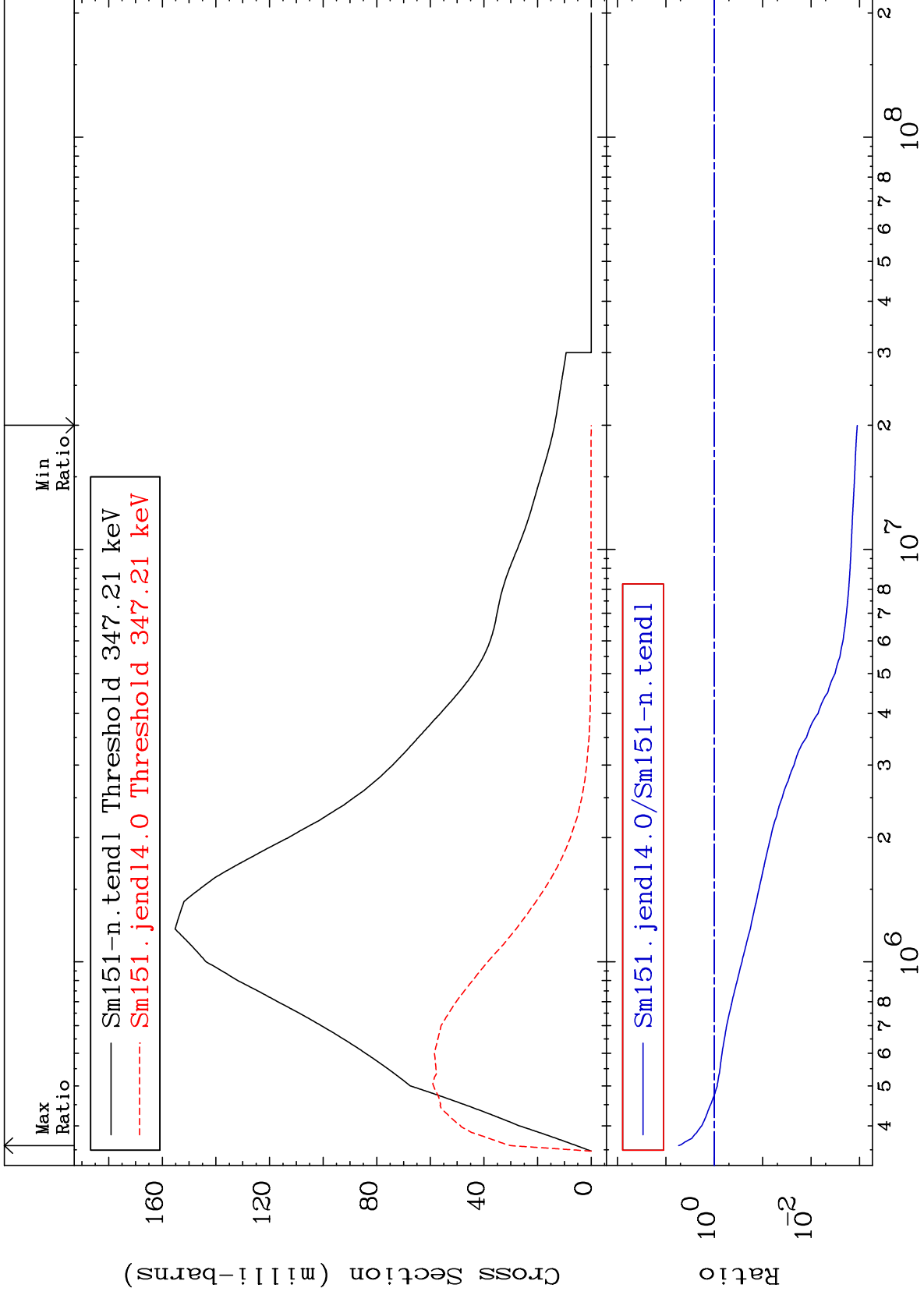
62-Sm-151
-99.95 To 346.0 %



MAT 6246

344.9 keV (n,n') Level
Cross Section

62-Sm-151
-99.89 To 444.9 %



32

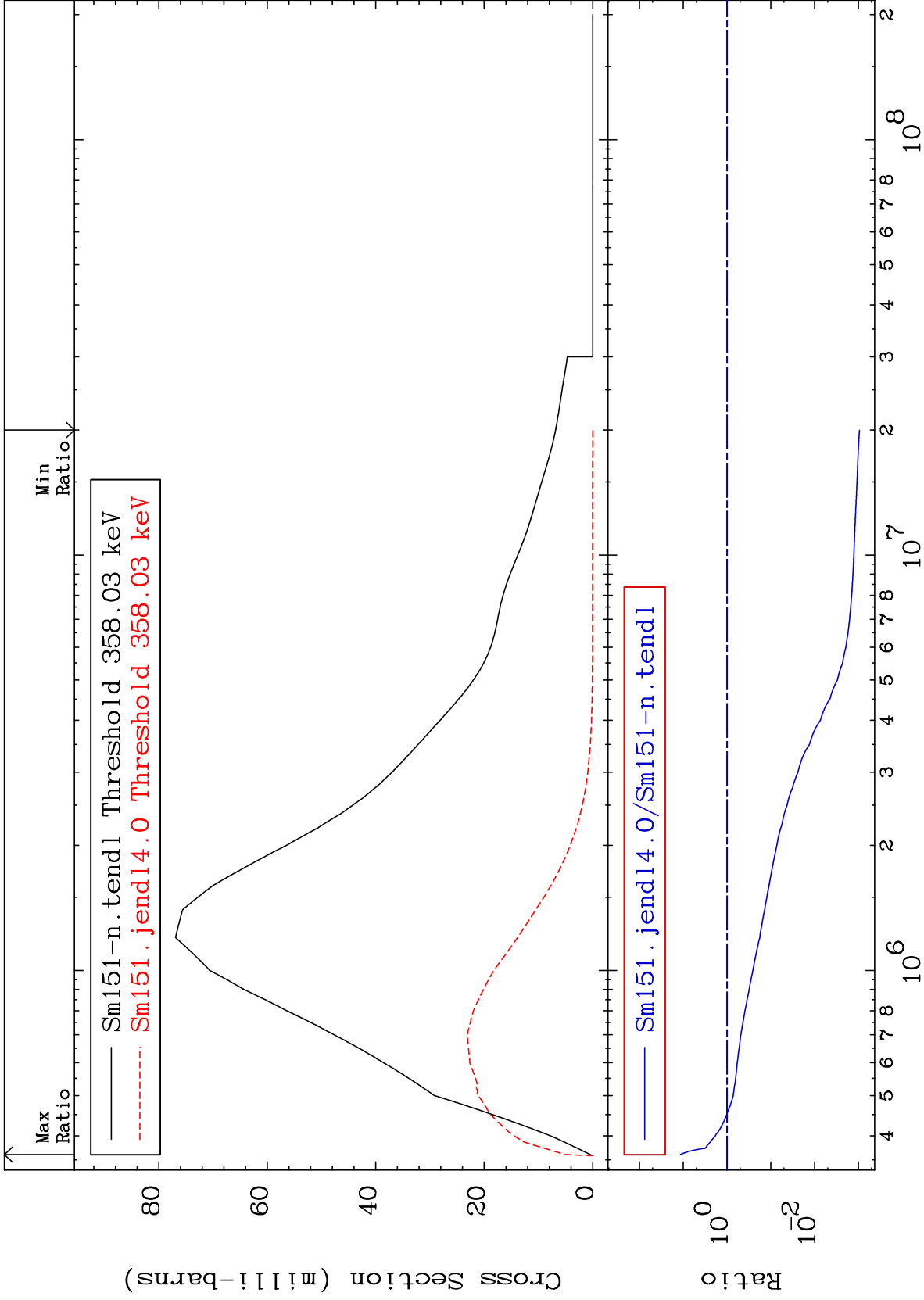
Incident Energy (eV)

62-Sm-151

MAT 6246

355.7 keV (n,n') Level
Cross Section

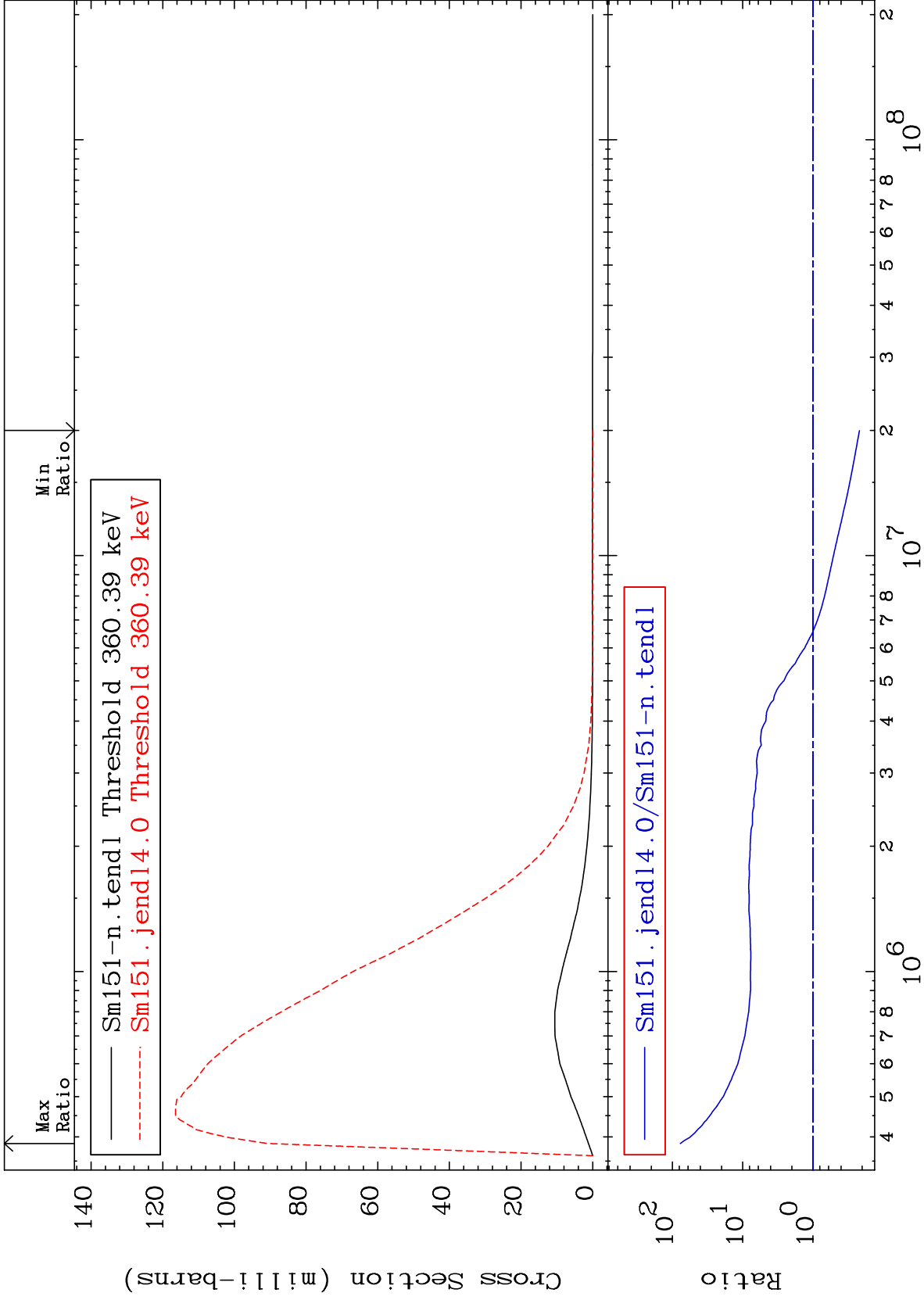
62-Sm-151
-99.91 To 1066. %



MAT 6246

358.0 keV (n,n') Level
Cross Section

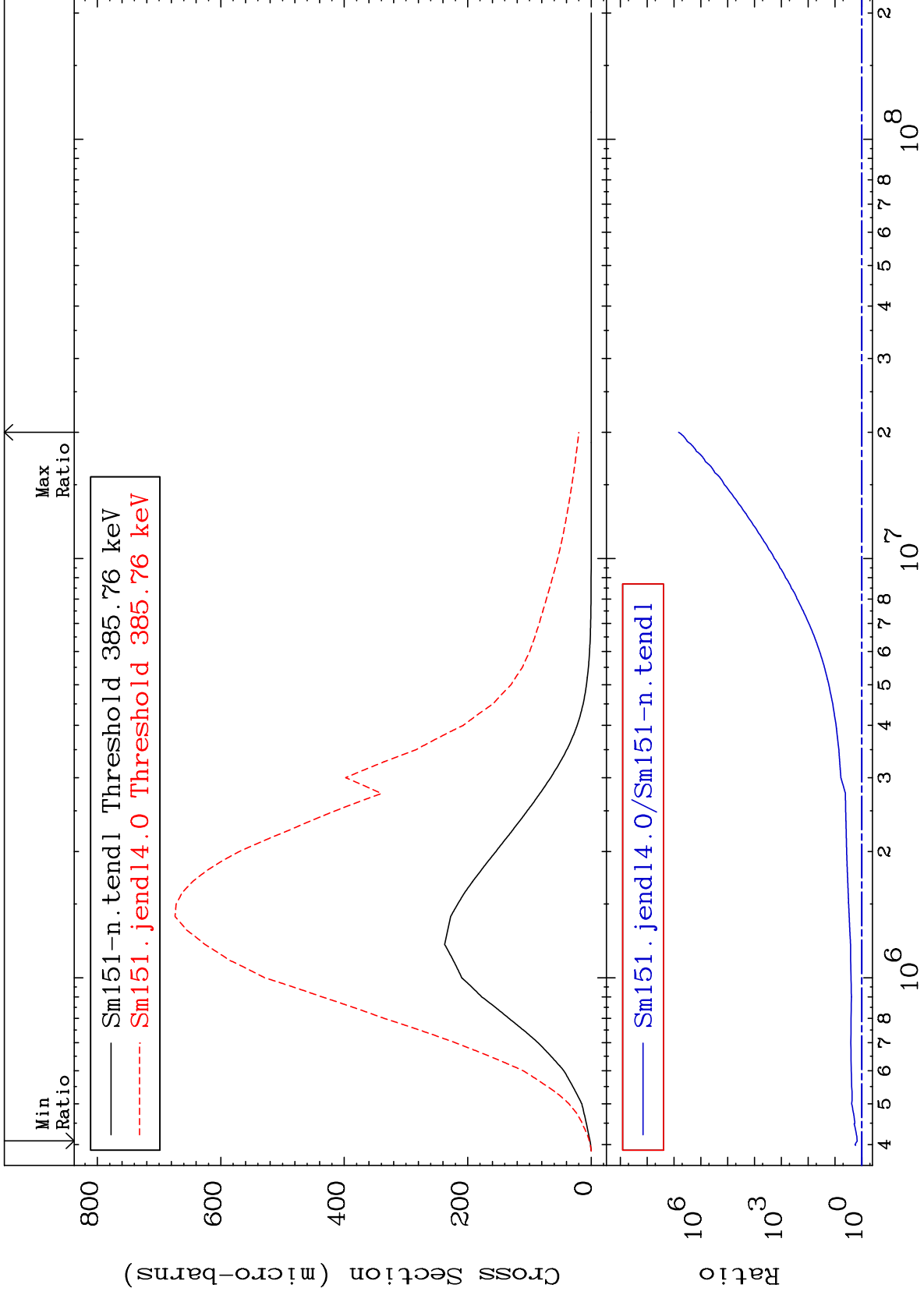
62-Sm-151
-78.13 To 7612. %



MAT 6246

383.2 keV (n,n') Level
Cross Section

62-Sm-151
48.28 To 9999. %



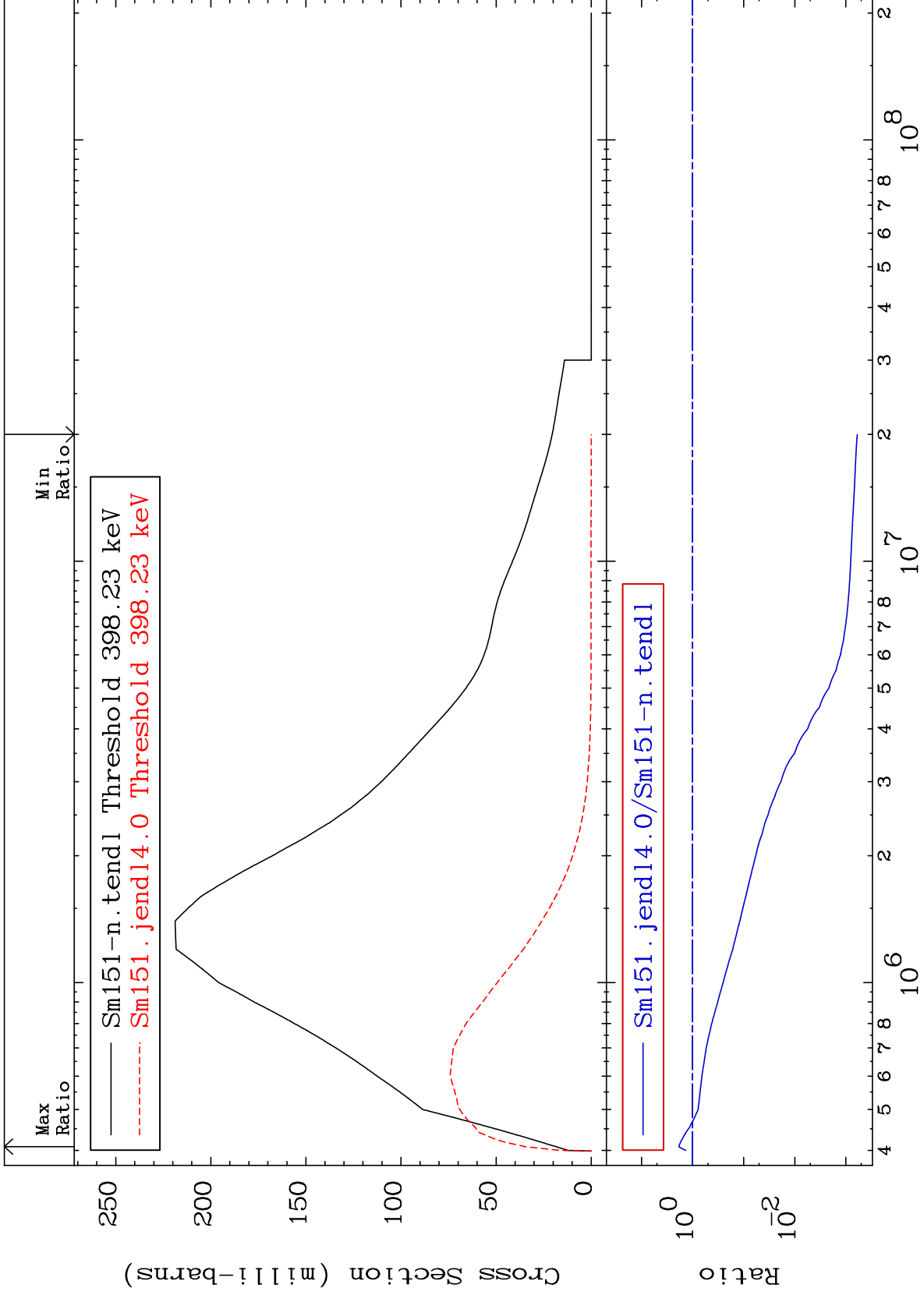
35

62-Sm-151

MAT 6246

395.6 keV (n,n') Level
Cross Section

62-Sm-151
-99.94 To 87.41 %



36

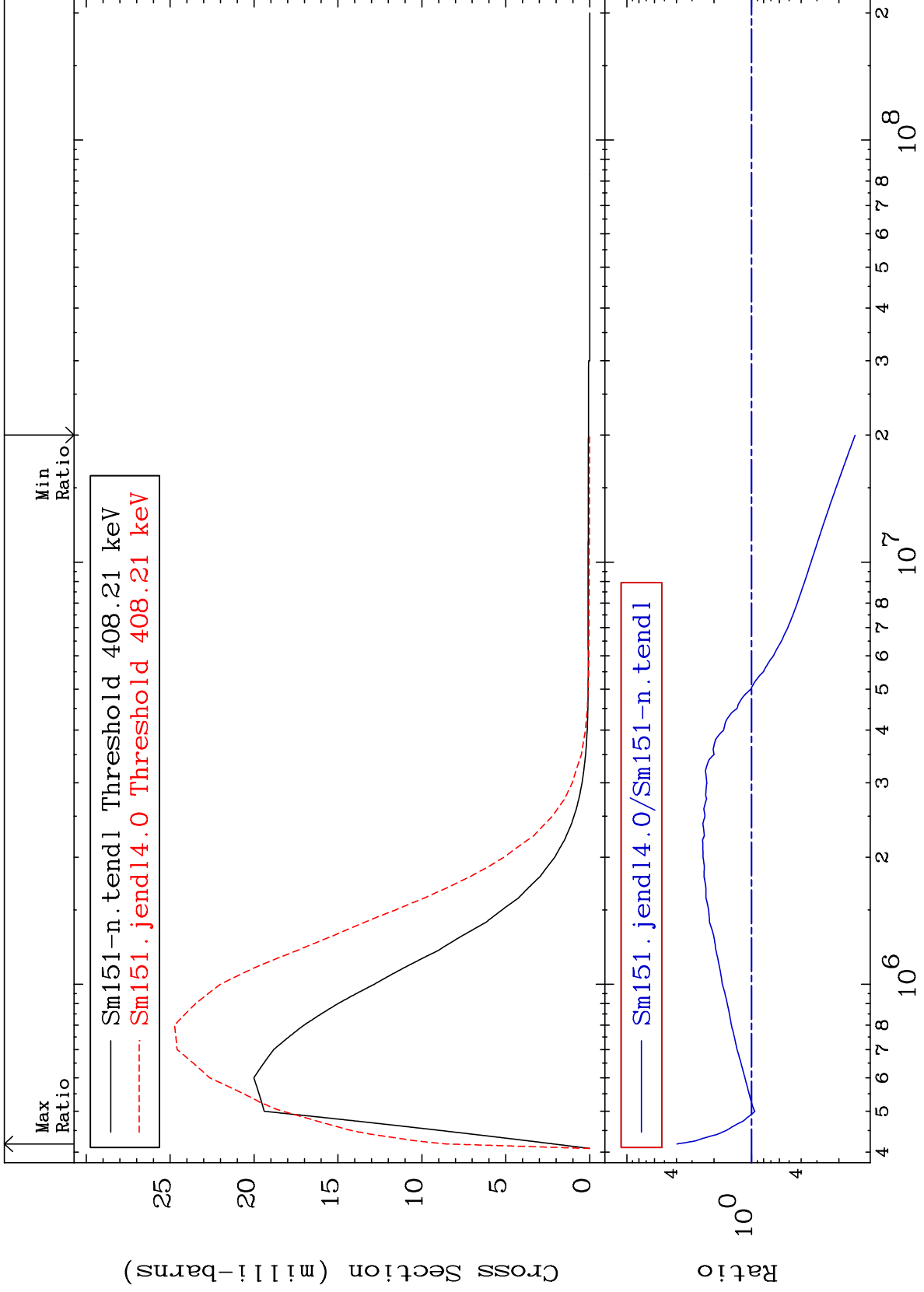
Incident Energy (eV)

62-Sm-151

MAT 6246

405.5 keV (n,n') Level
Cross Section

62-Sm-151
-85.19 To 296.7 %



37

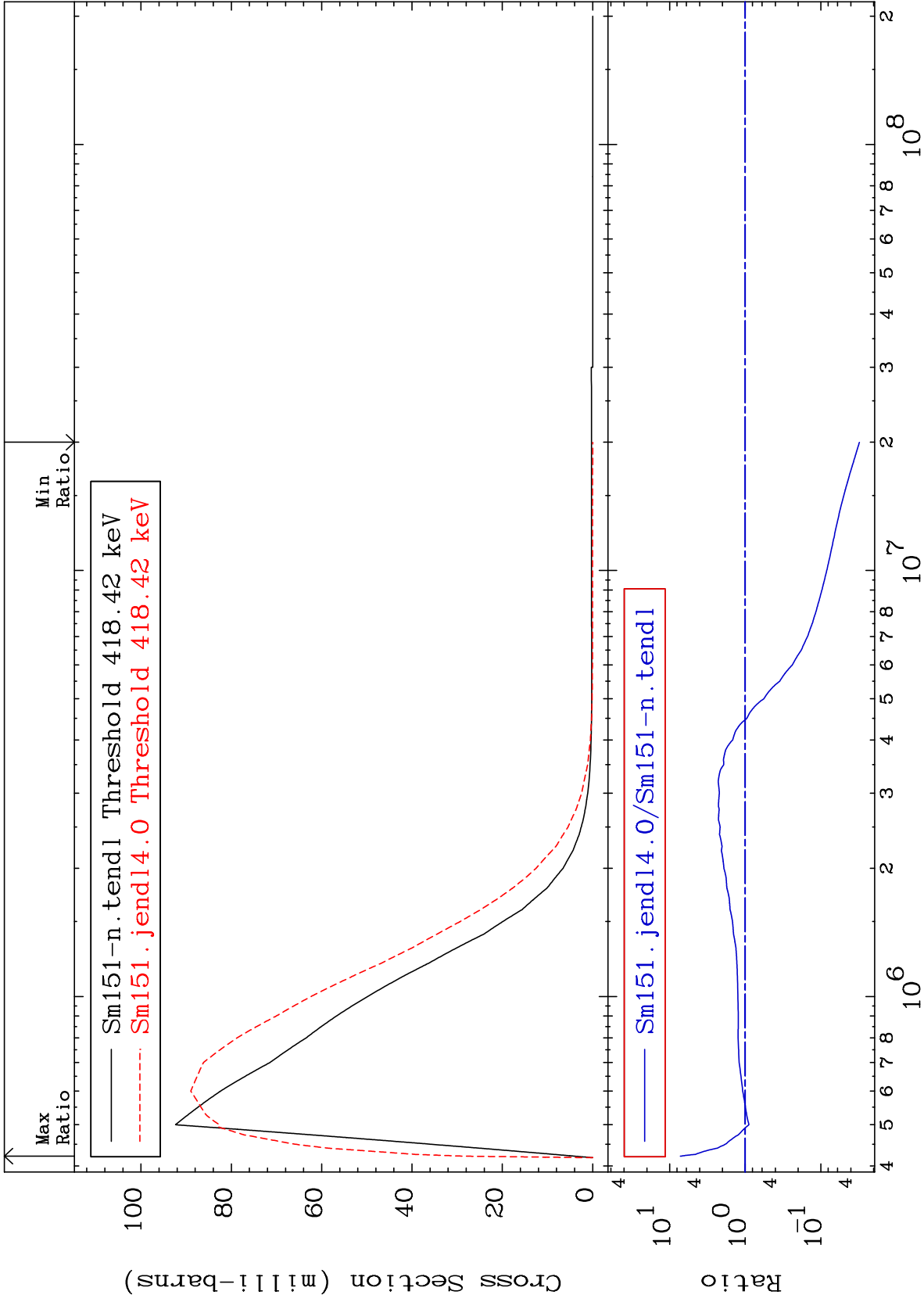
Incident Energy (eV)

62-Sm-151

MAT 6246

415.6 keV (n,n') Level
Cross Section

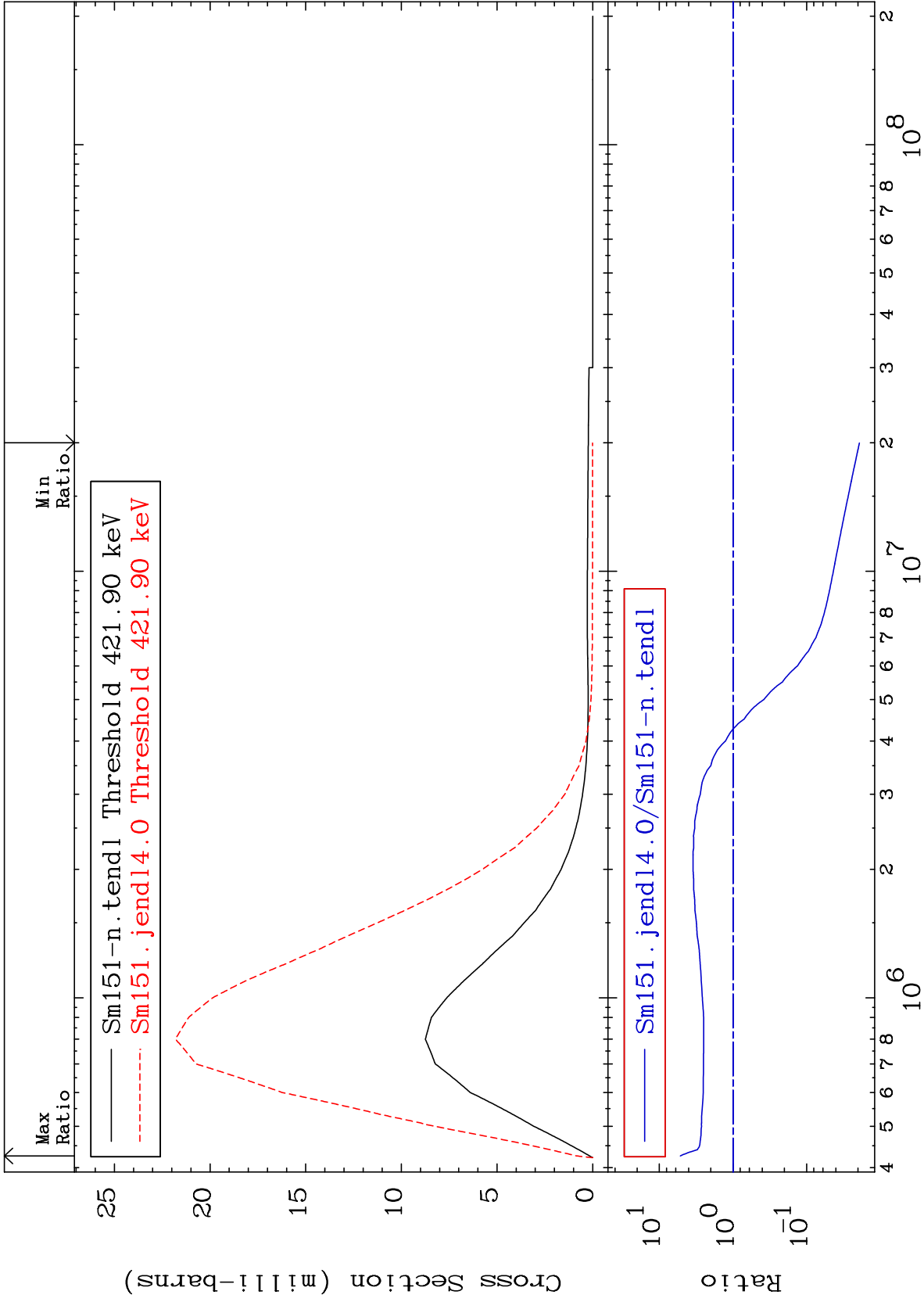
62-Sm-151
-96.92 To 621.0 %



MAT 6246

419.1 keV (n,n') Level
Cross Section

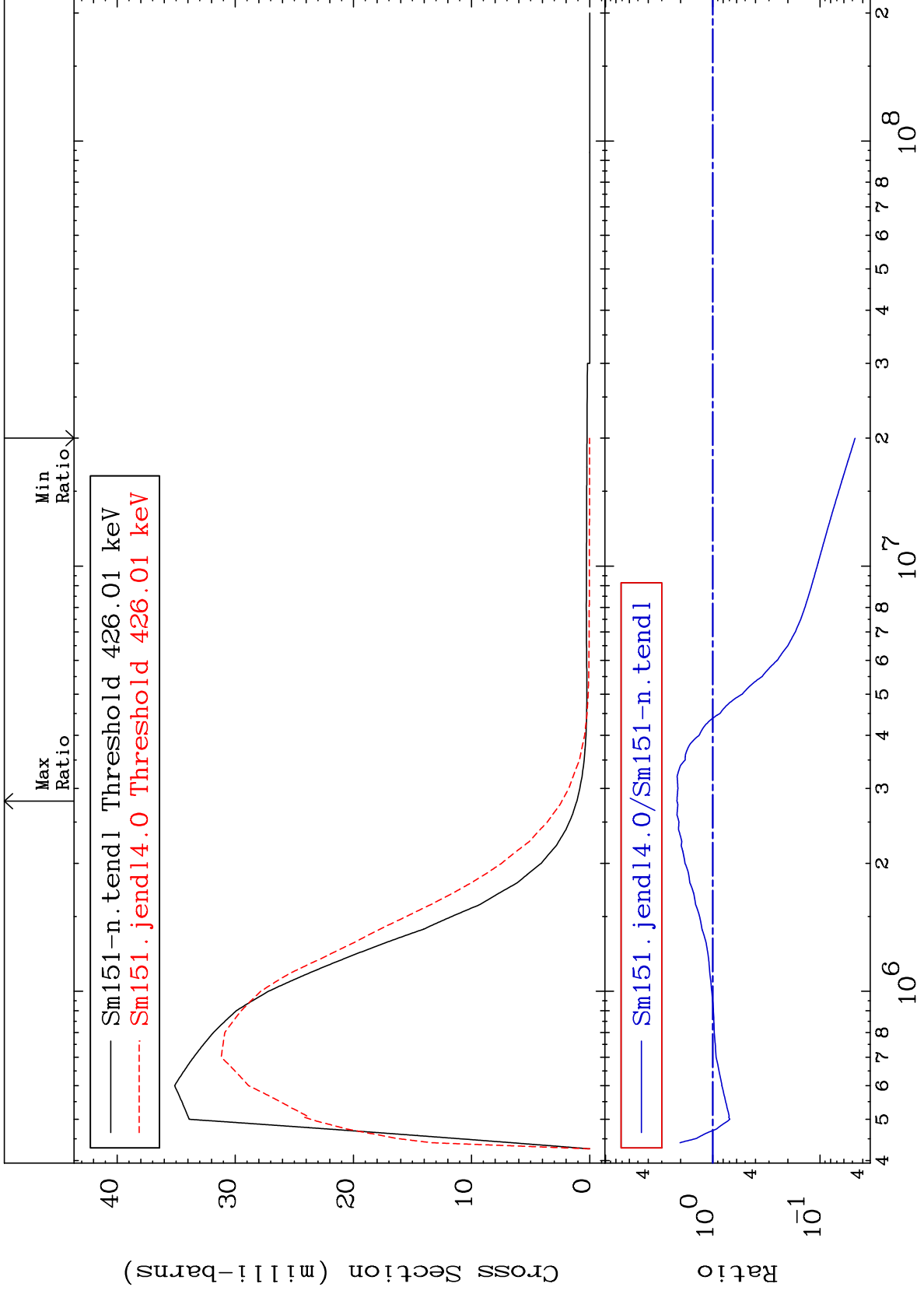
62-Sm-151
-98.08 To 418.3 %



MAT 6246

423.2 keV (n,n') Level
Cross Section

62-Sm-151
-95.28 To 116.1 %



40

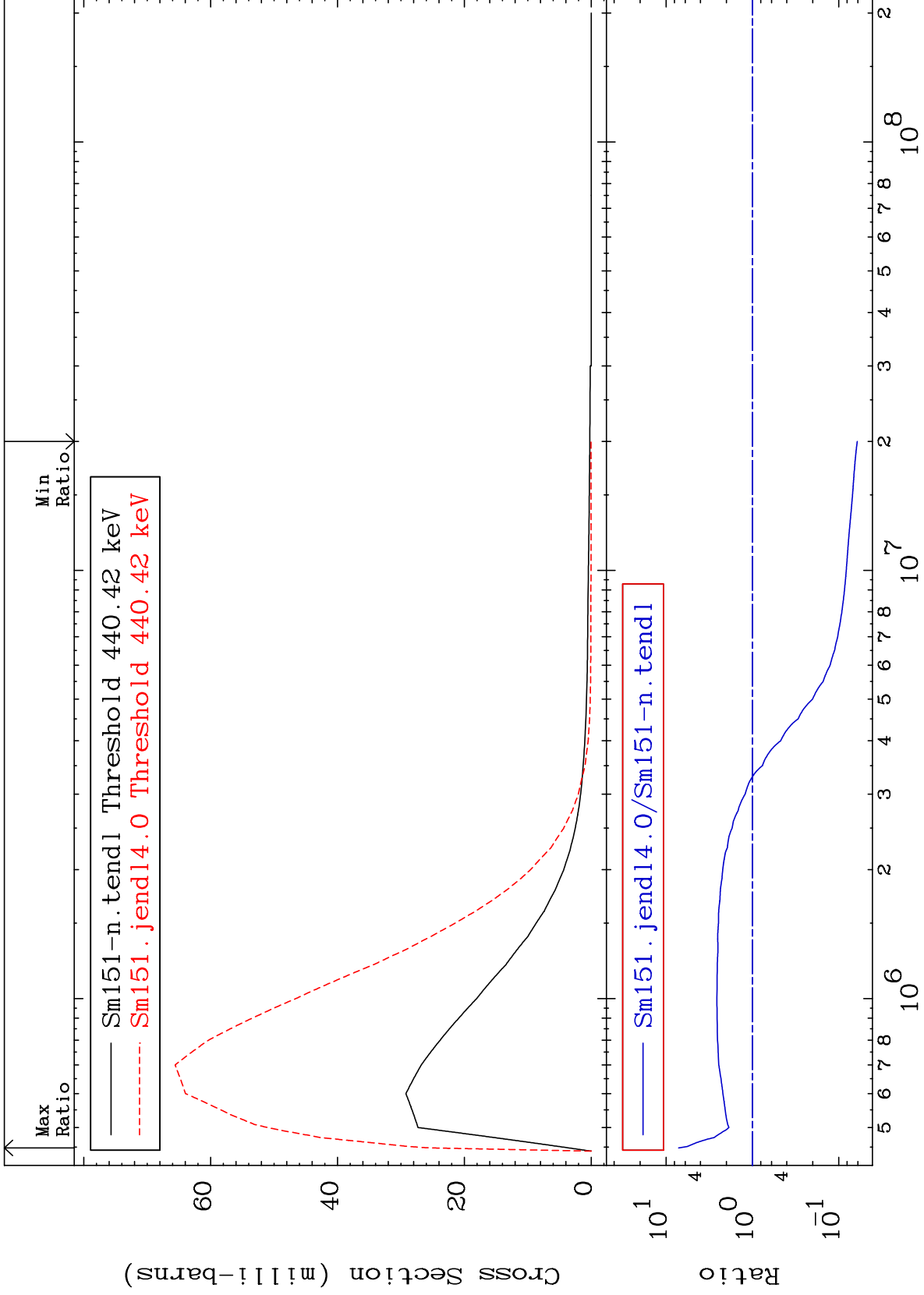
62-Sm-151

62-Sm-151

MAT 6246

437.5 keV (n,n') Level
Cross Section

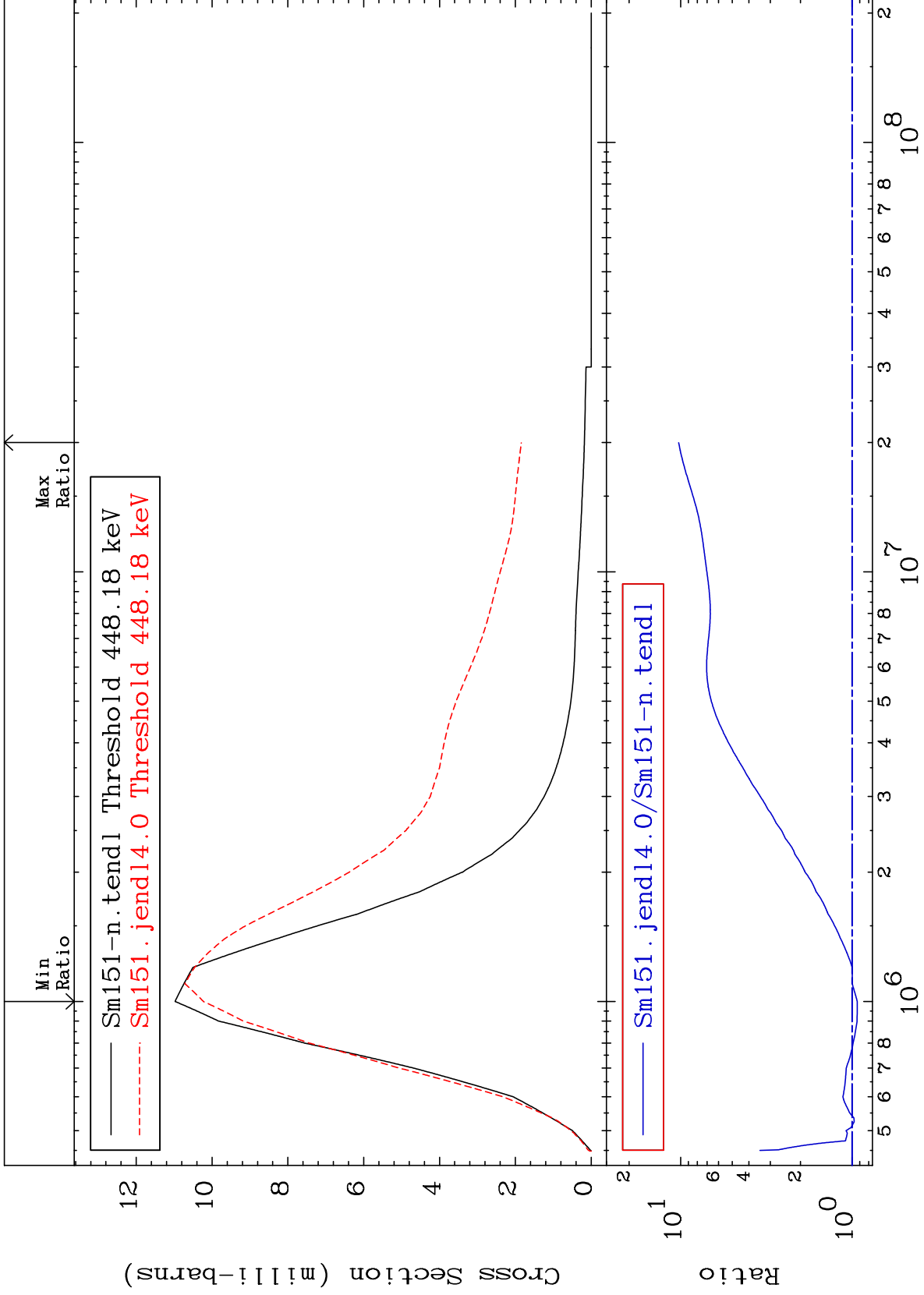
62-Sm-151
-93.90 To 614.5 %



MAT 6246

445.2 keV (n,n') Level
Cross Section

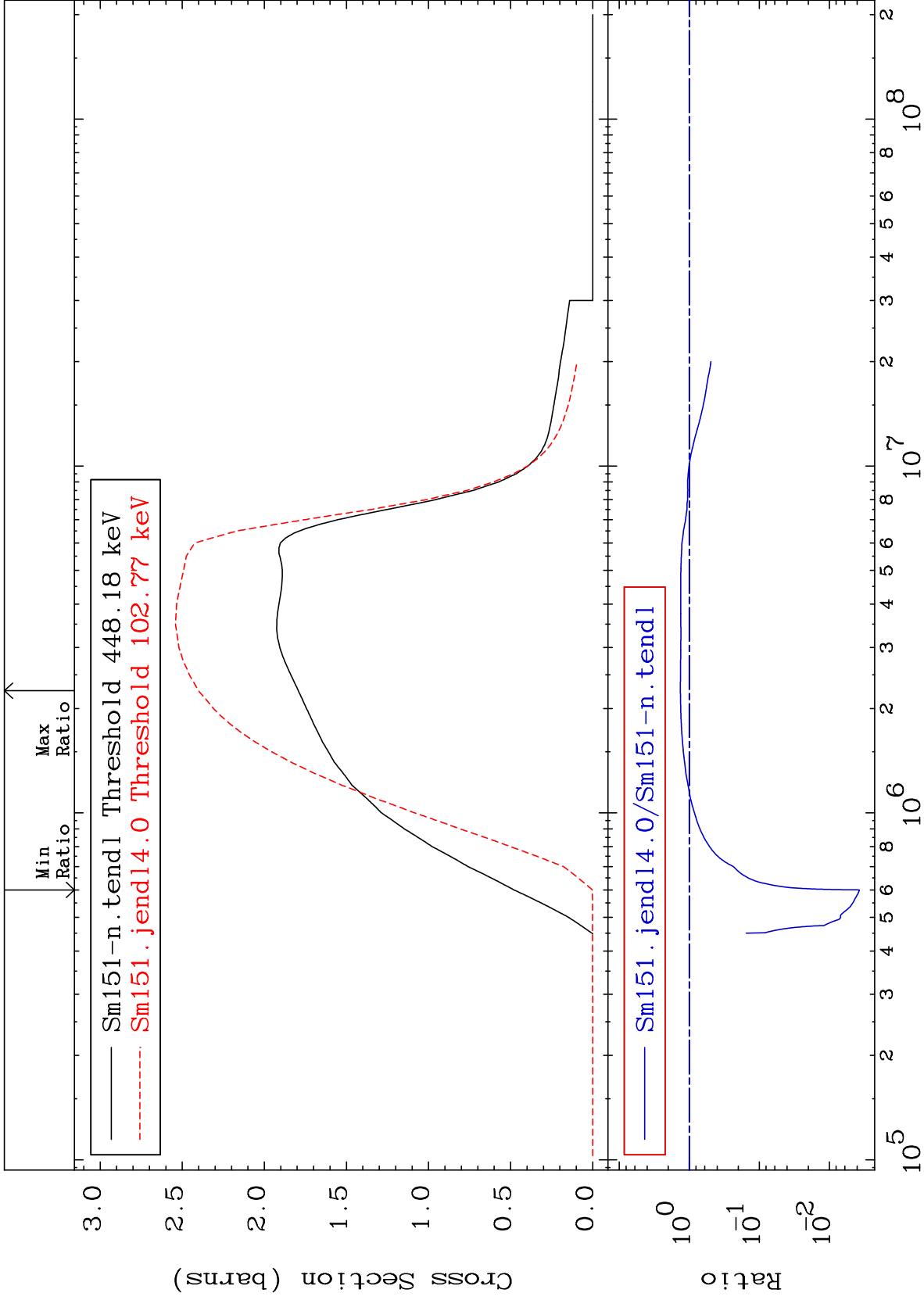
62-Sm-151
-6.817 To 926.7 %



MAT 6246

(n, n') Continuum
Cross Section

62-Sm-151
-99.63 To 33.97 %



43

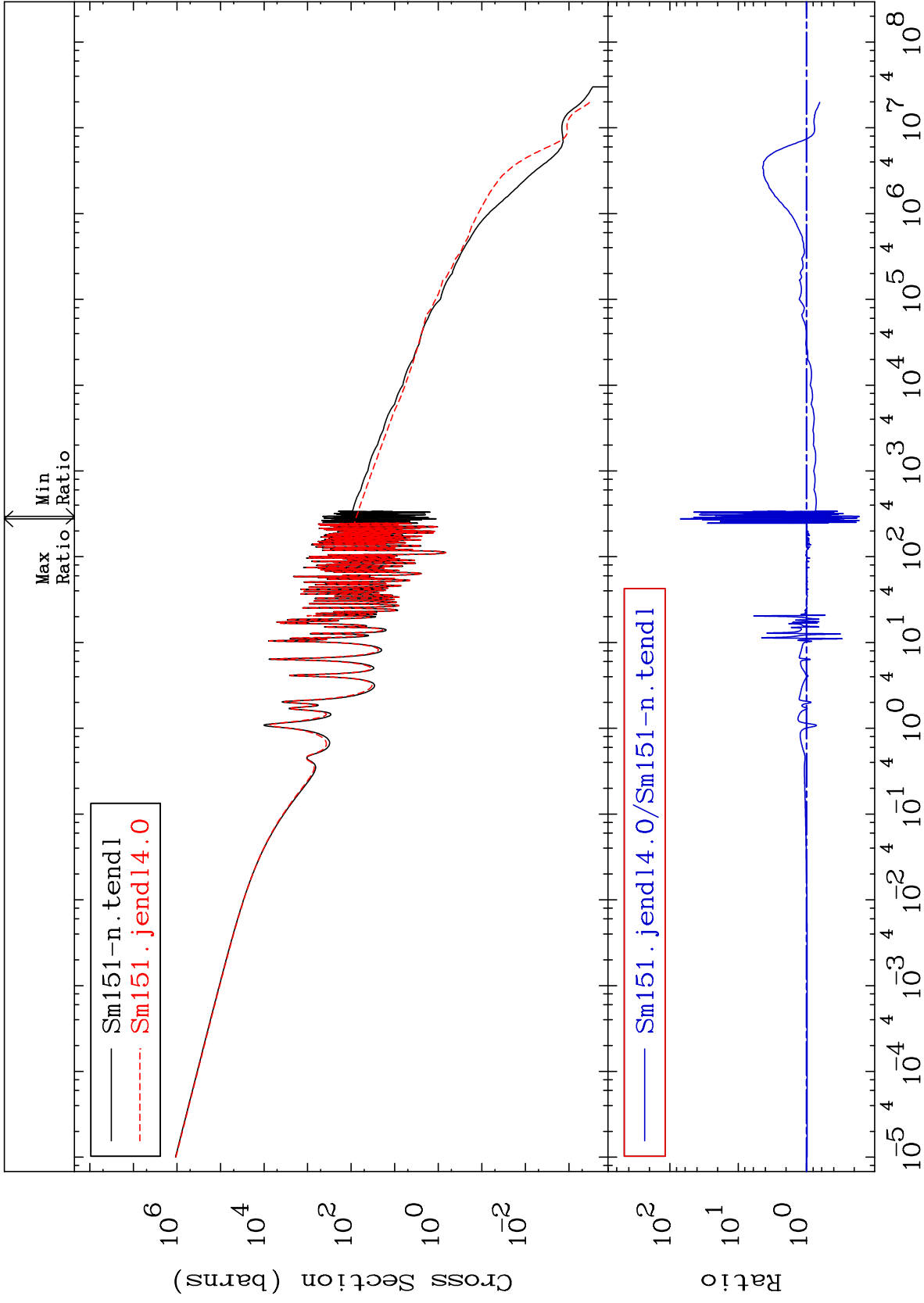
Incident Energy (eV)

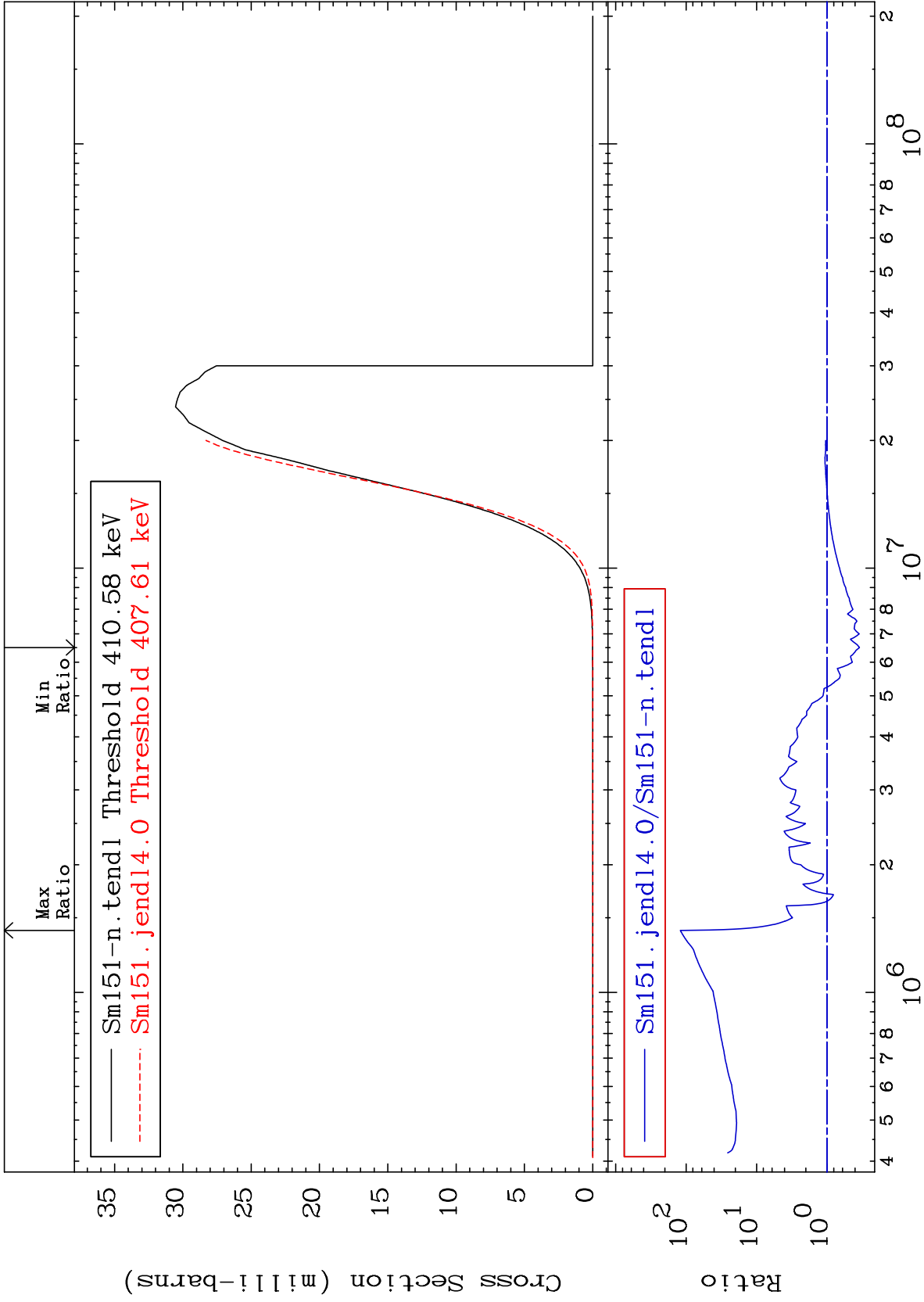
62-Sm-151

MAT 6246

(n, γ)
Cross Section

62-Sm-151
-83.19 To 6932. %





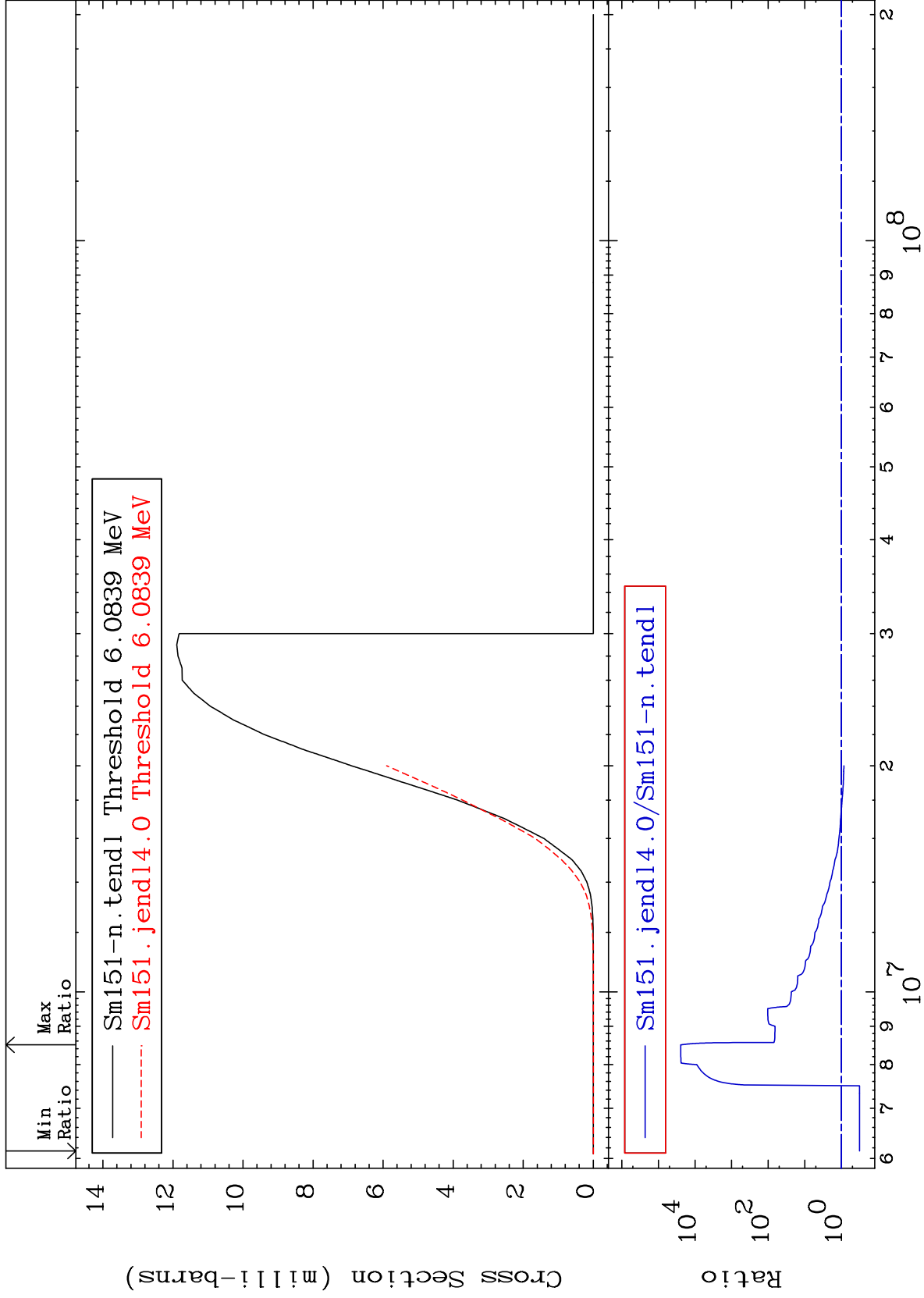
MAT 6246

(n, d)

62-Sm-151

Cross Section

-67.99 To 9999. %



46

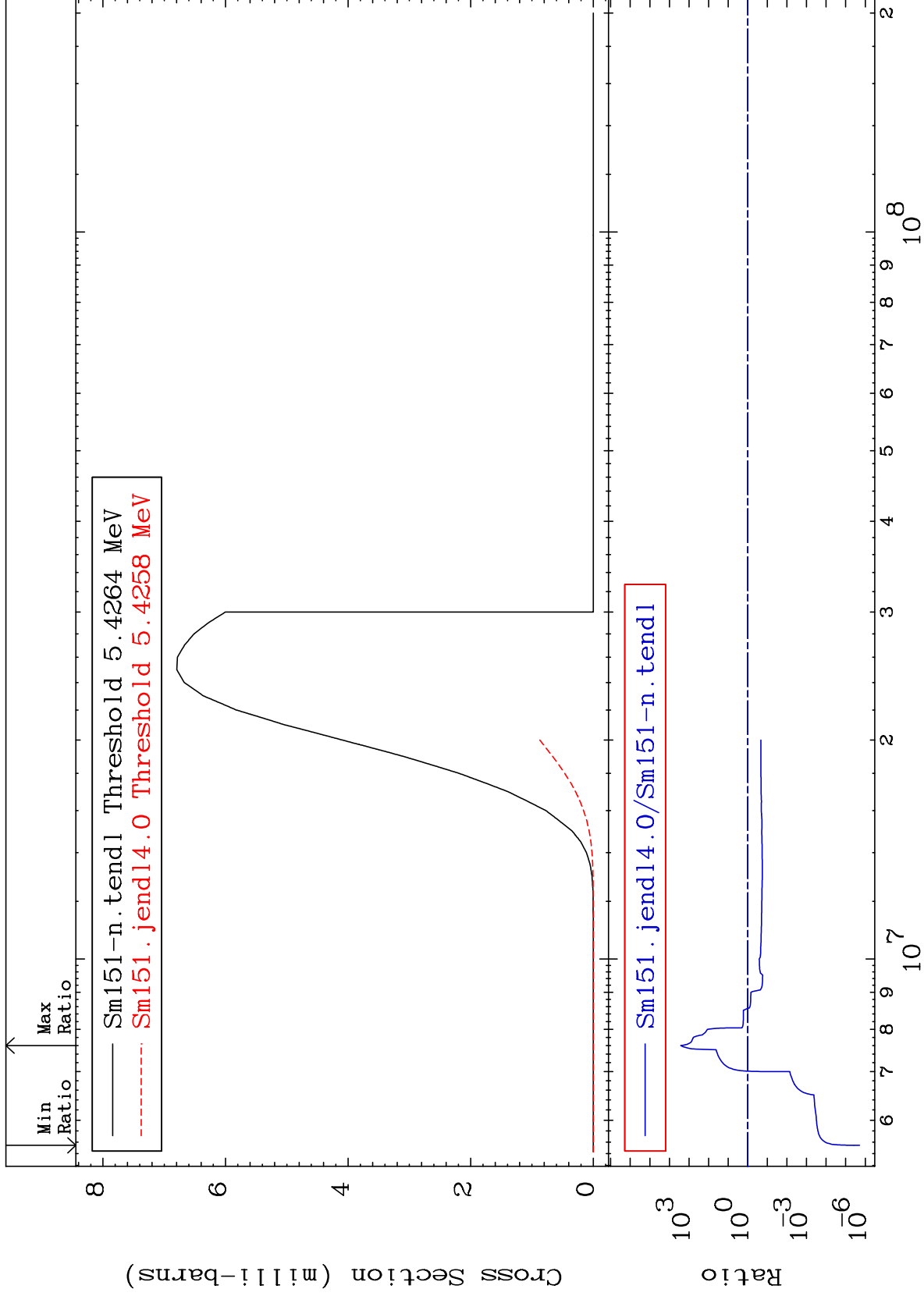
Incident Energy (eV)

62-Sm-151

MAT 6246

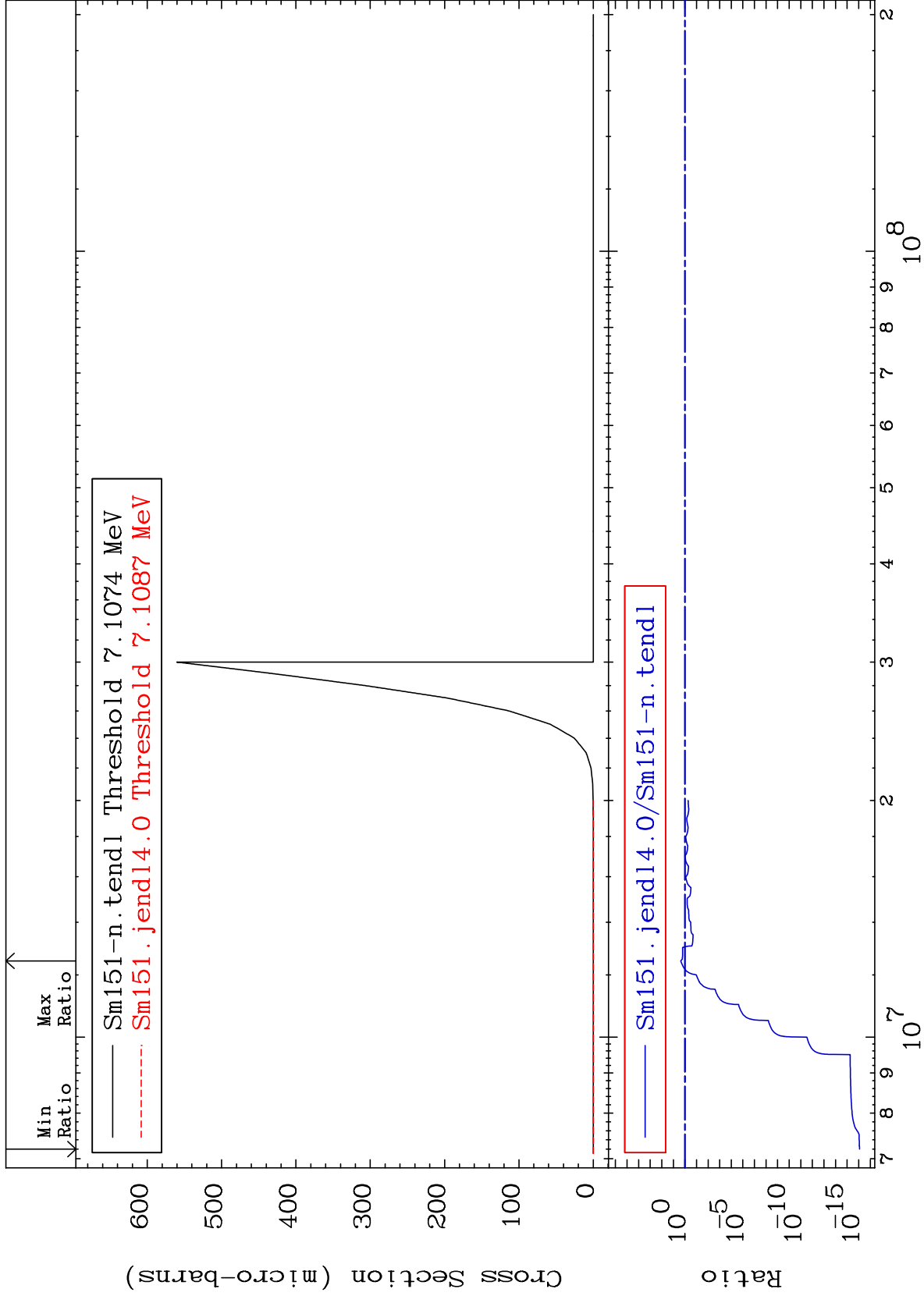
(n, t)
Cross Section

62-Sm-151
-100.0 To 9999. %



Cross Section

-100.0 To 128.6 %



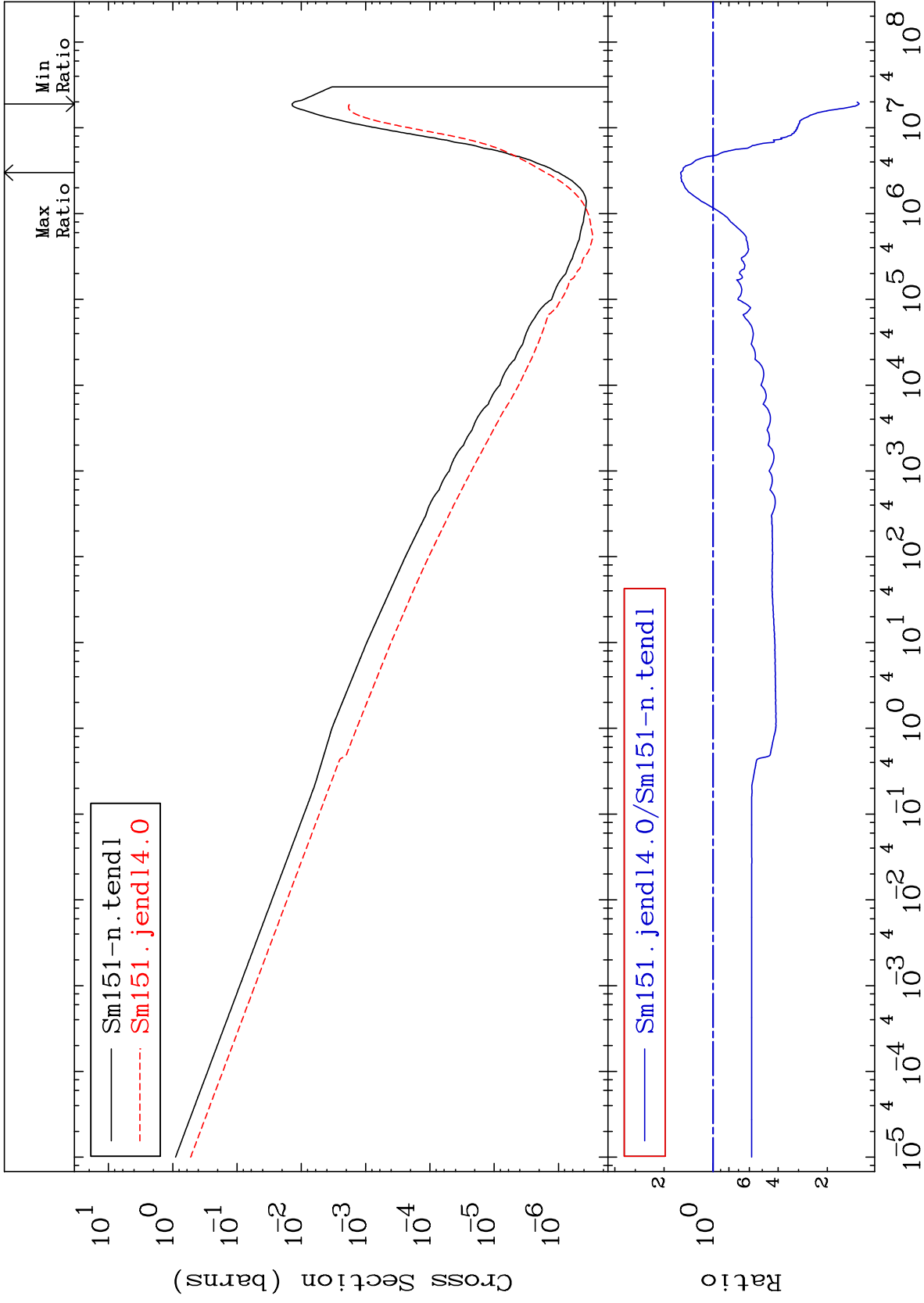
MAT 6246

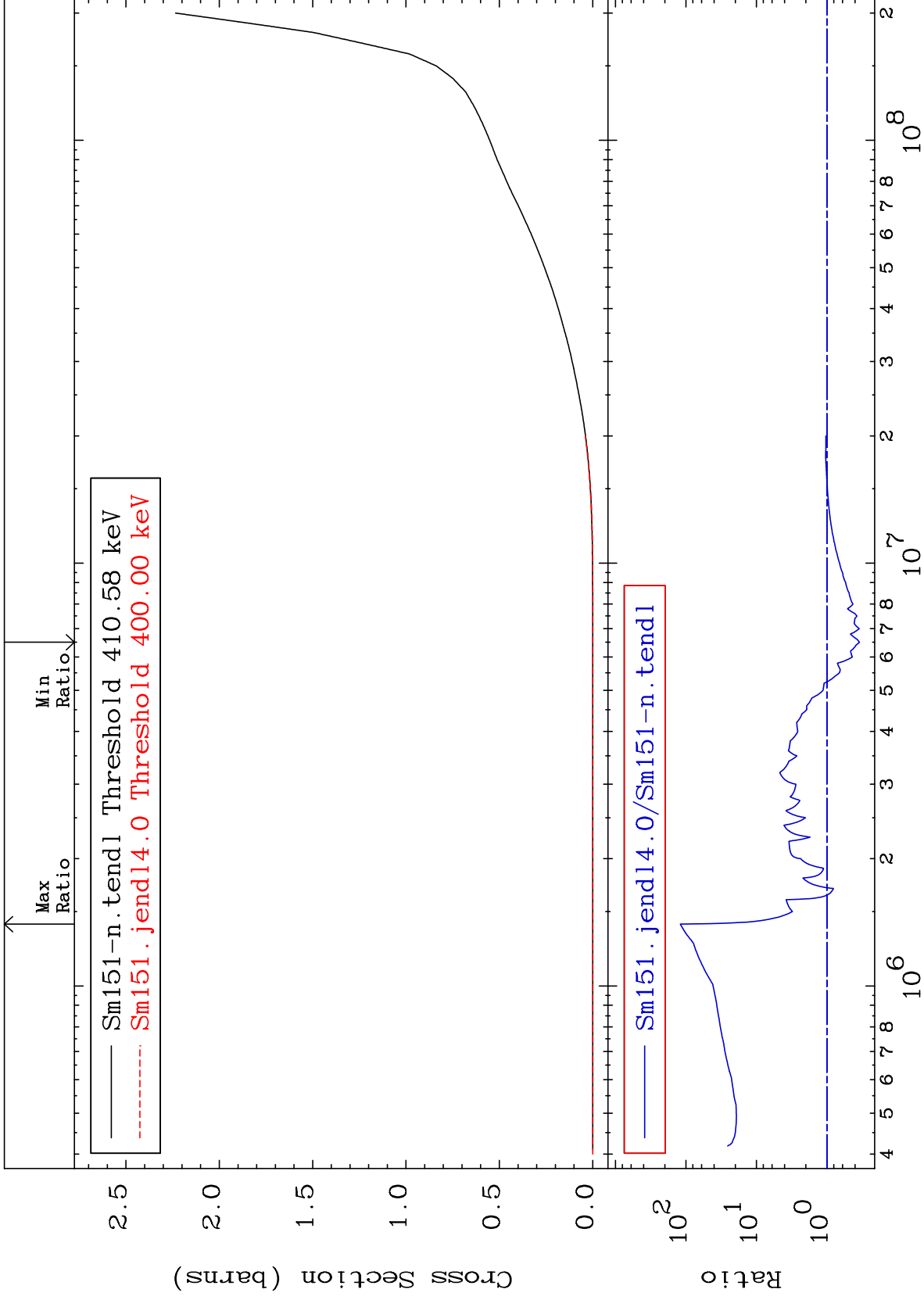
(n, α)

Cross Section

62-Sm-151

-87.29 To 58.79 %

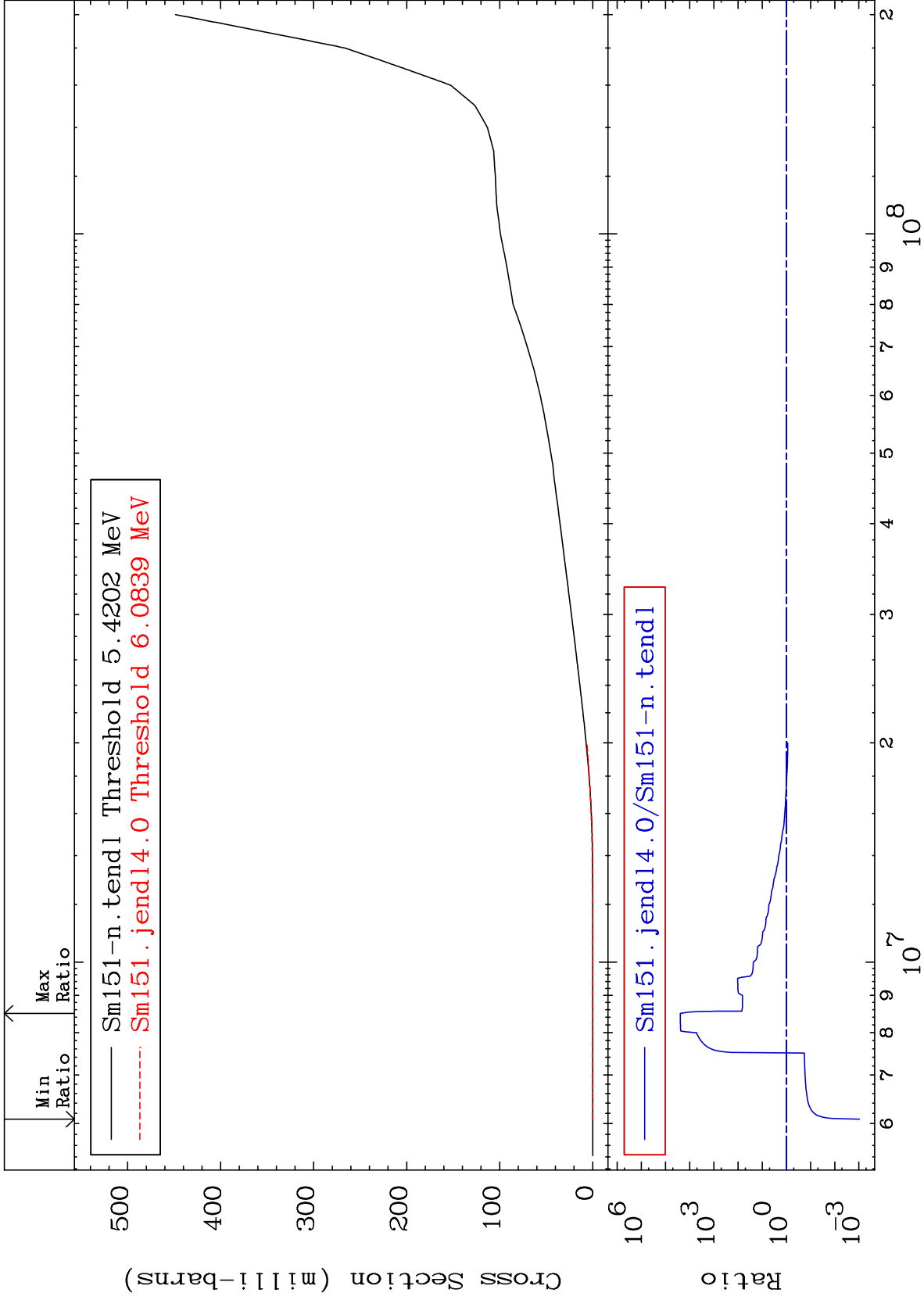




MAT 6246

Deuterium Production
Cross Section

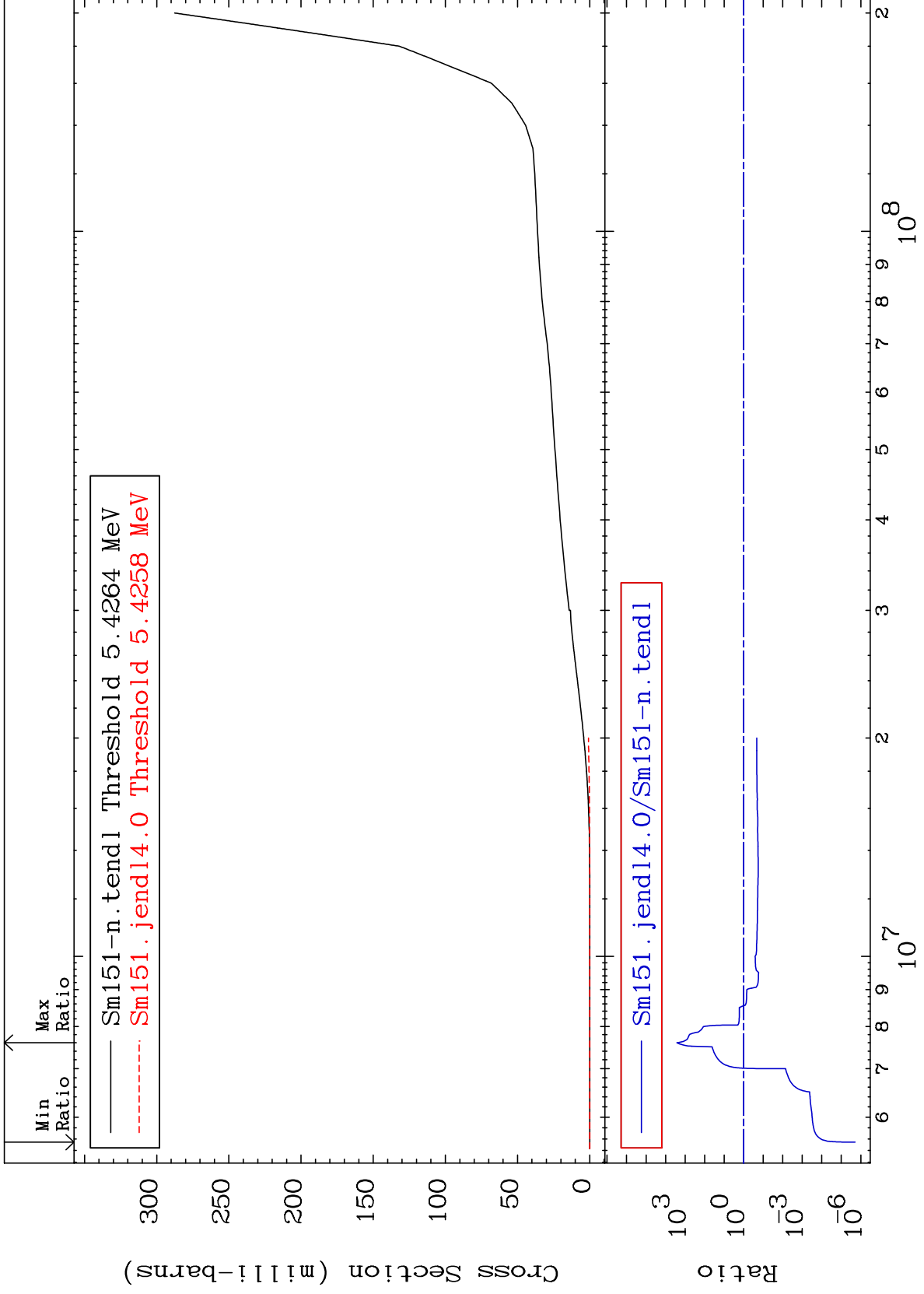
62-Sm-151
-99.90 To 9999. %



MAT 6246

Tritium Production
Cross Section

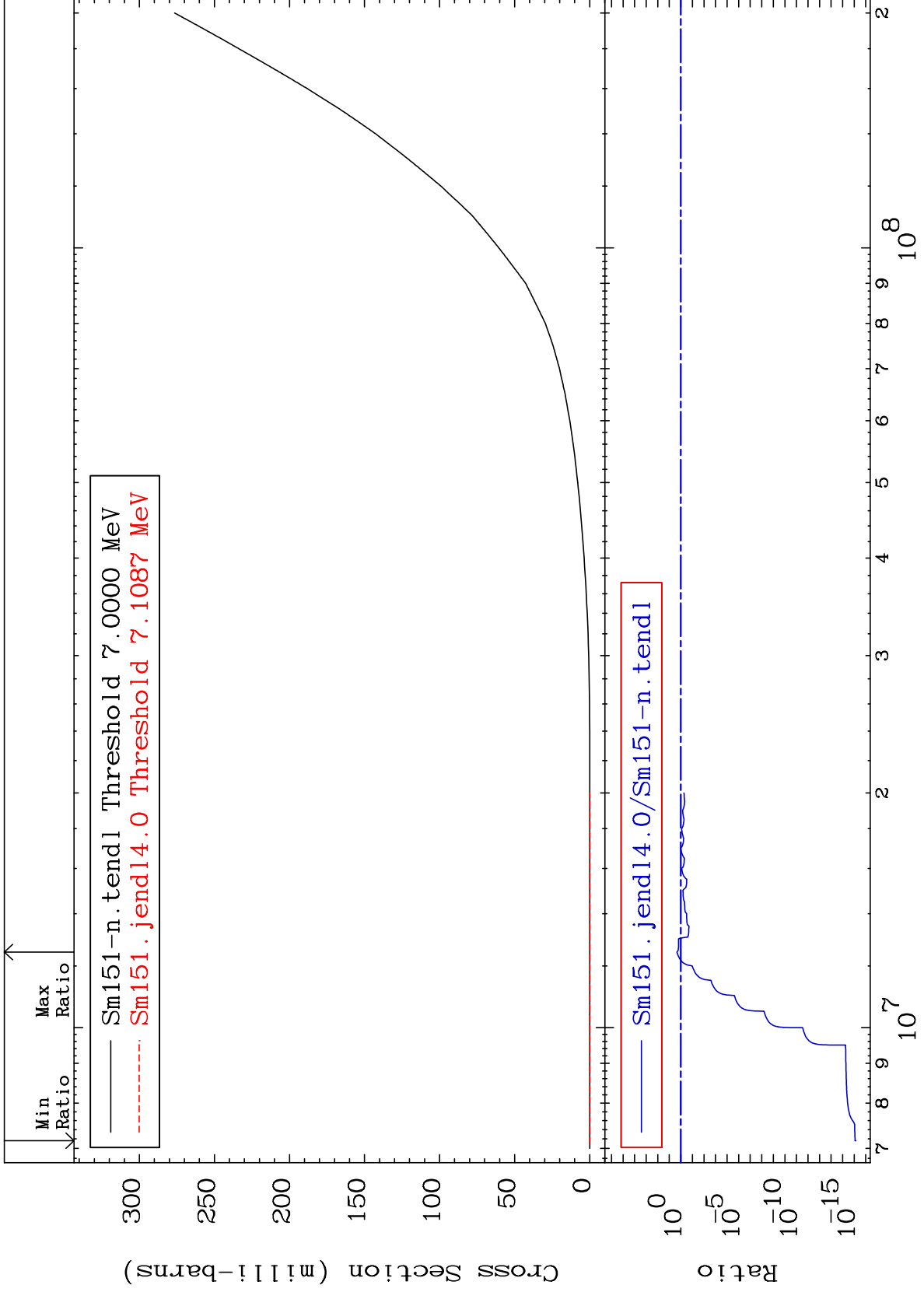
62-Sm-151
-100.0 To 9999. %



MAT 6246

He-3 Production
Cross Section

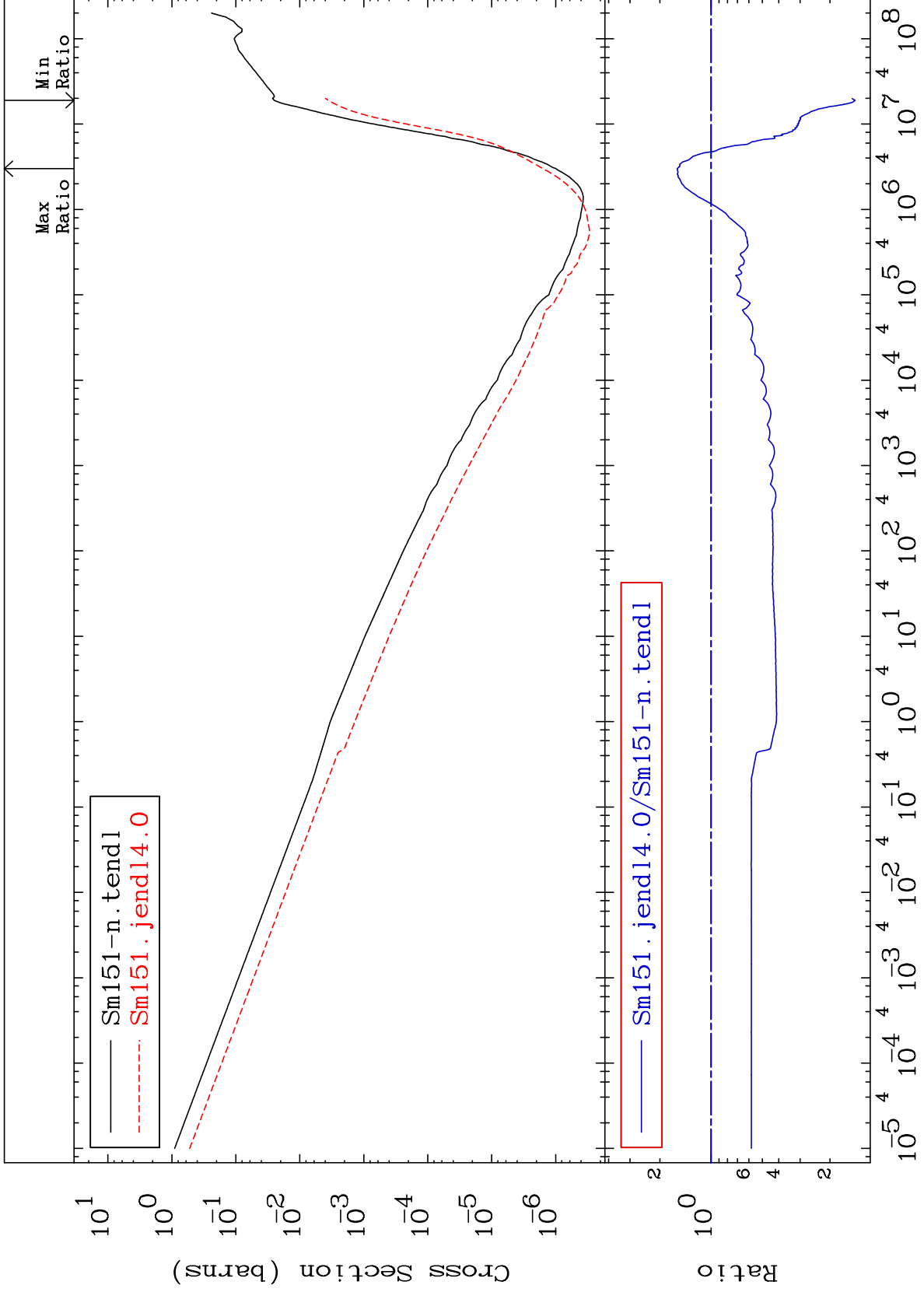
62-Sm-151
-100.0 To 118.1 %



MAT 6246

He-4 Production
Cross Section

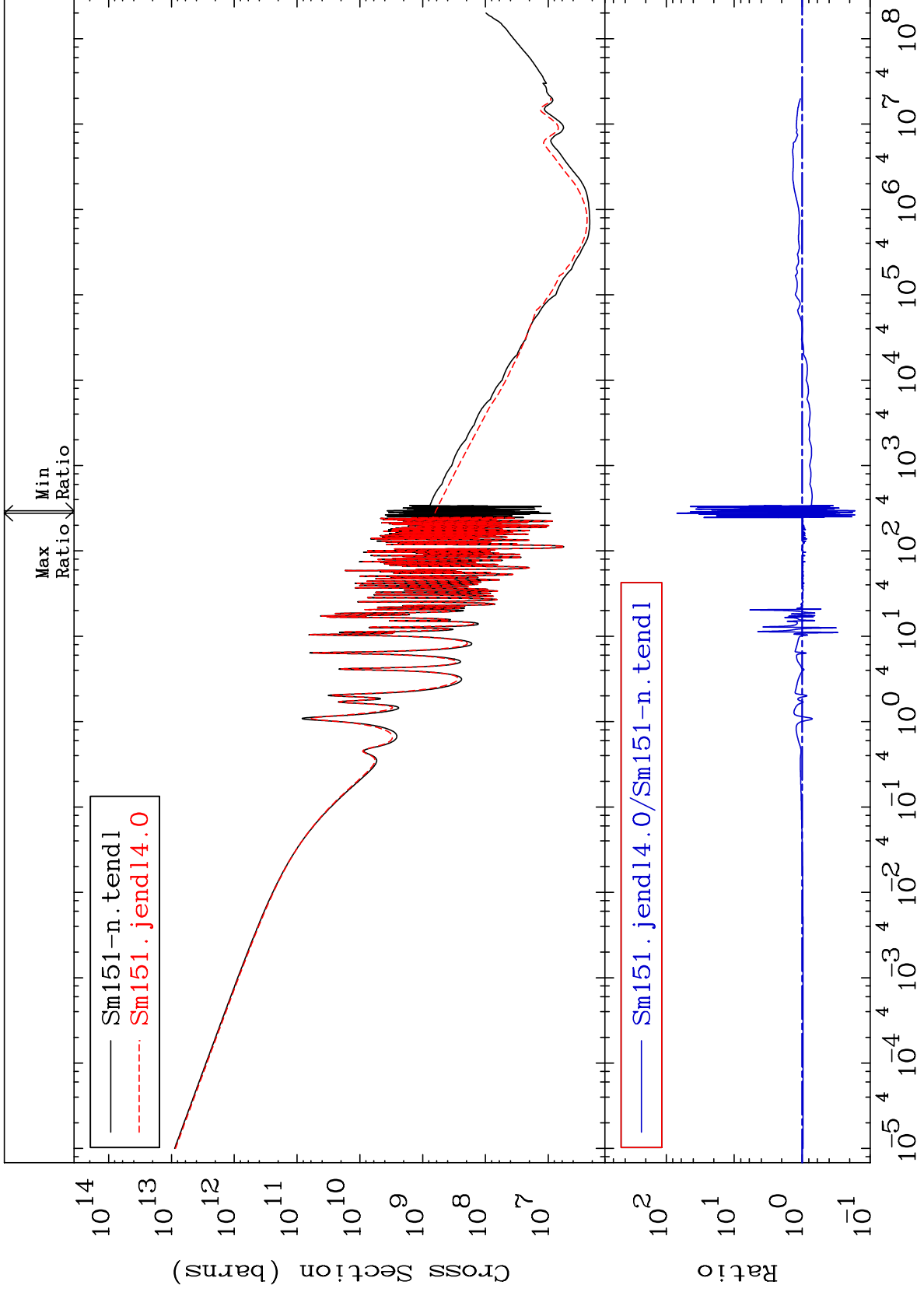
62-Sm-151
-85.74 To 58.79 %



MAT 6246

Kerma total (eV-barns)
Cross Section

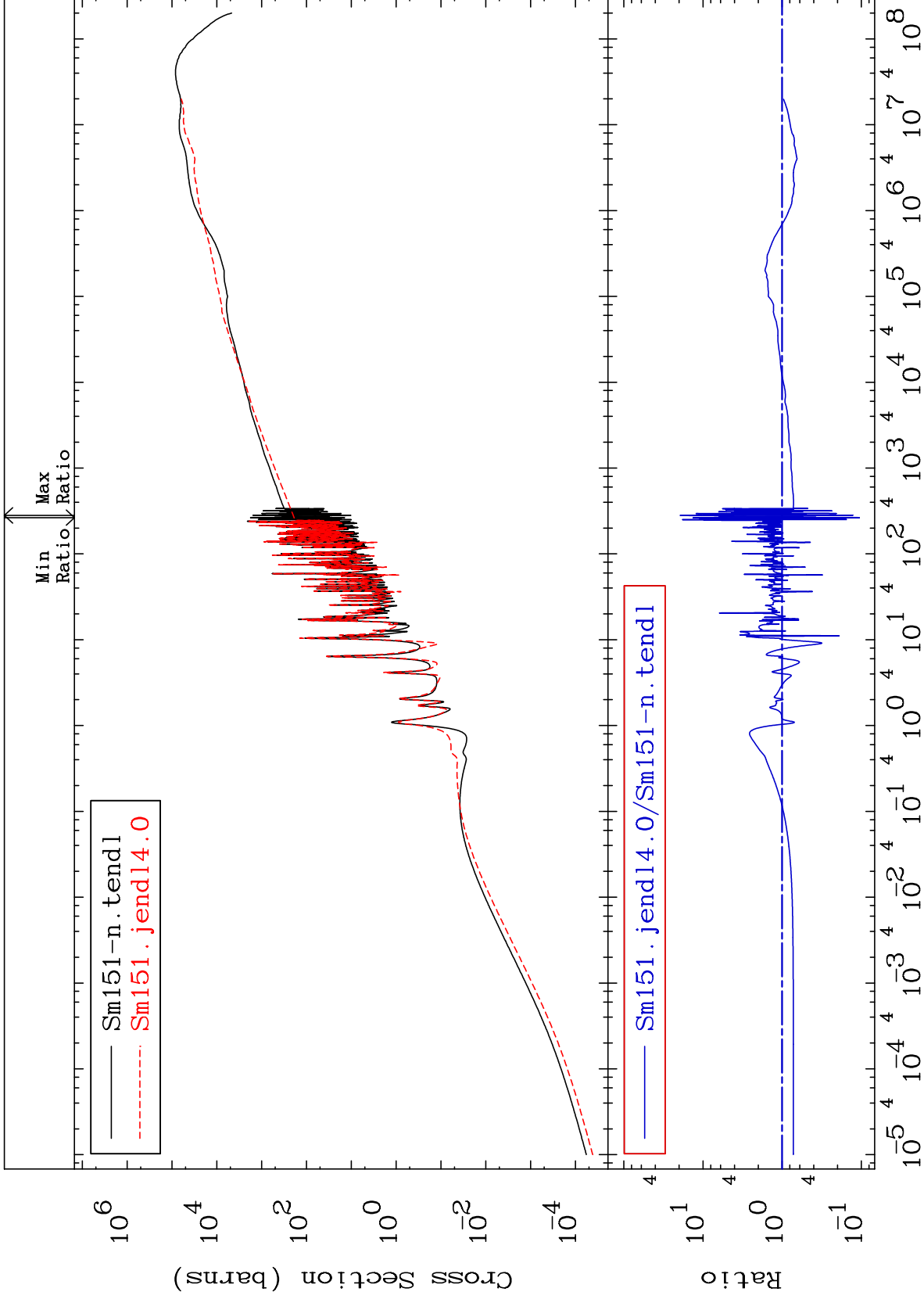
62-Sm-151
-83.36 To 6862. %

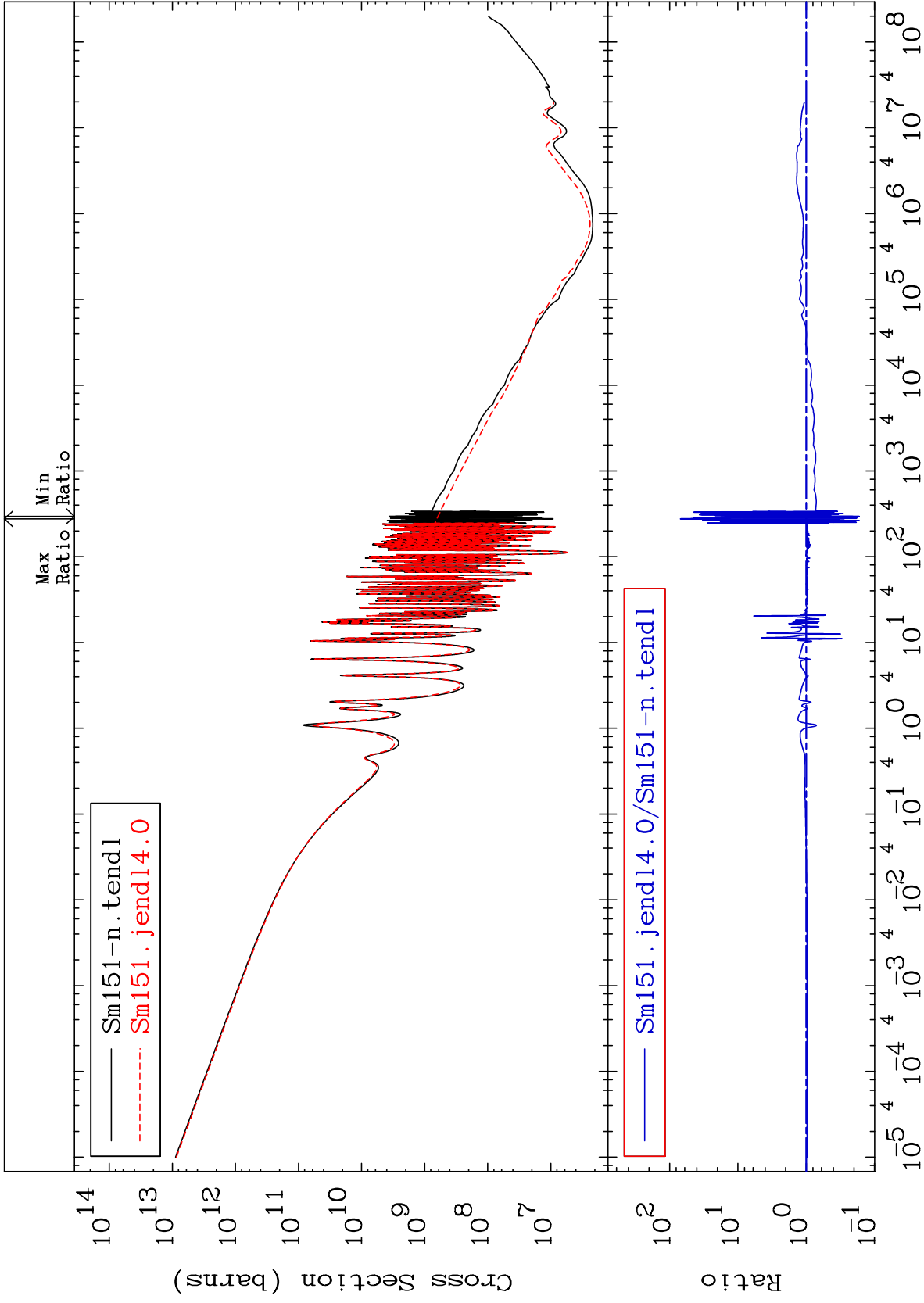


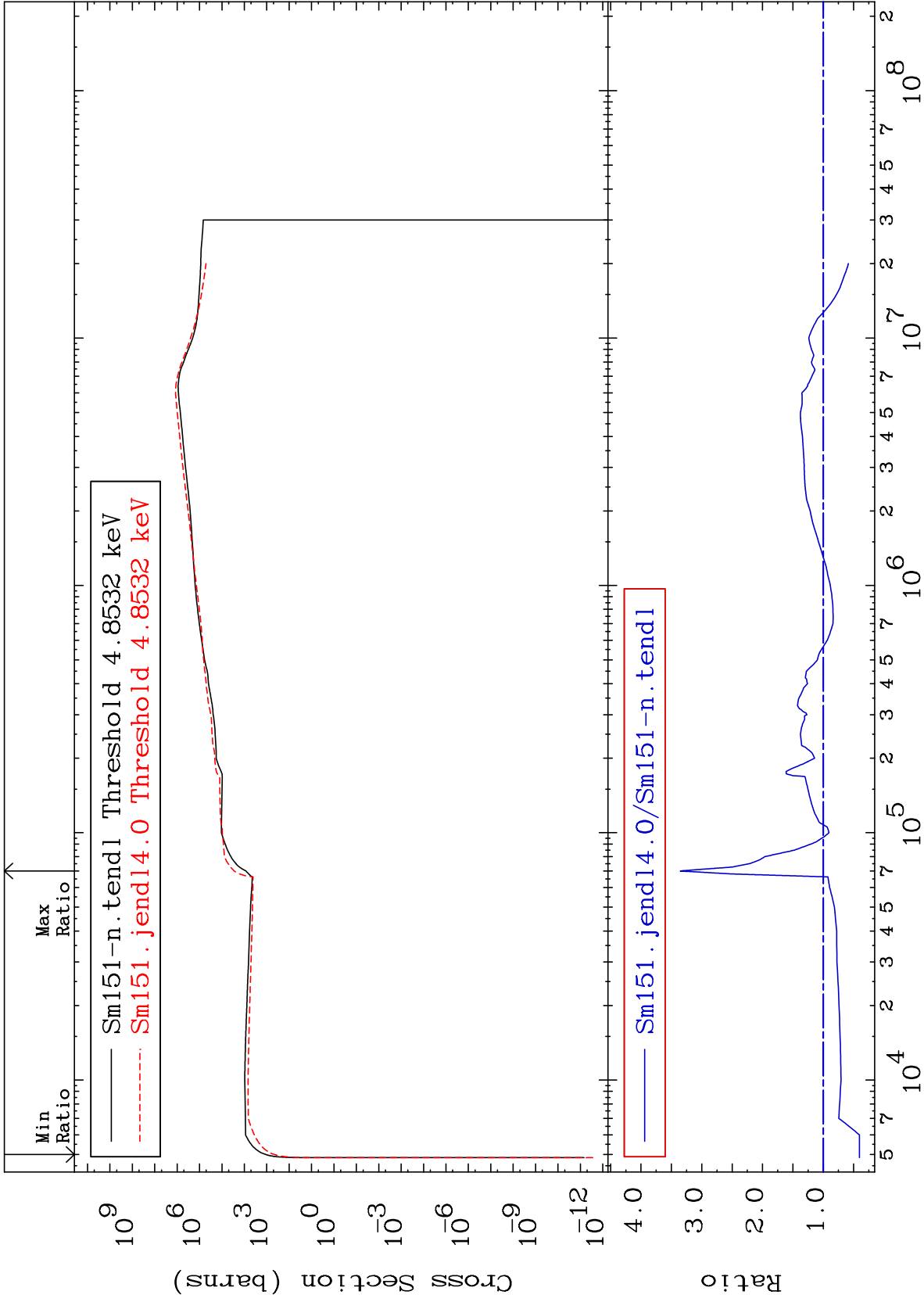
MAT 6246

Kerma elastic
Cross Section

62-Sm-151
-89.42 To 1830. %



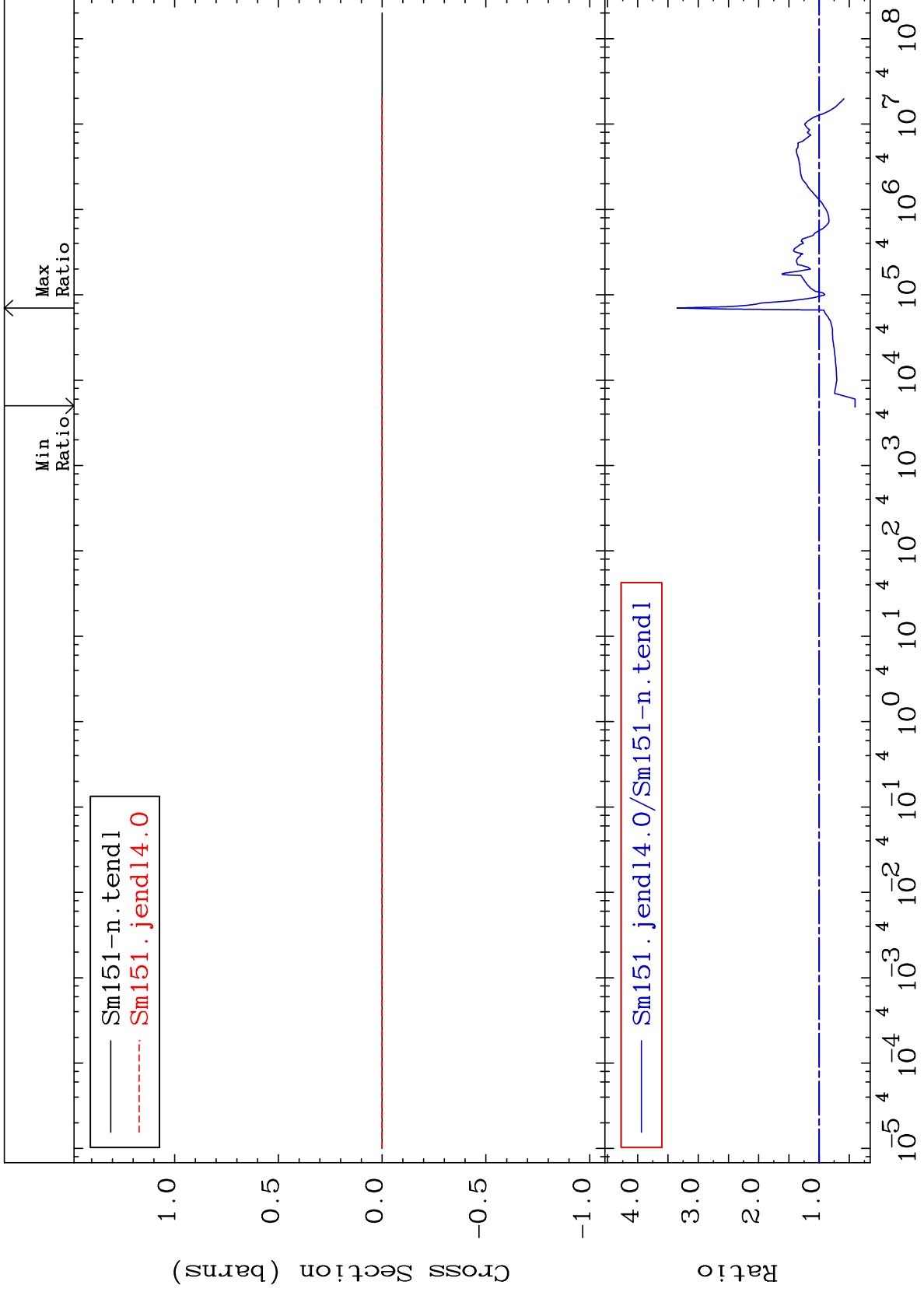




MAT 6246

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

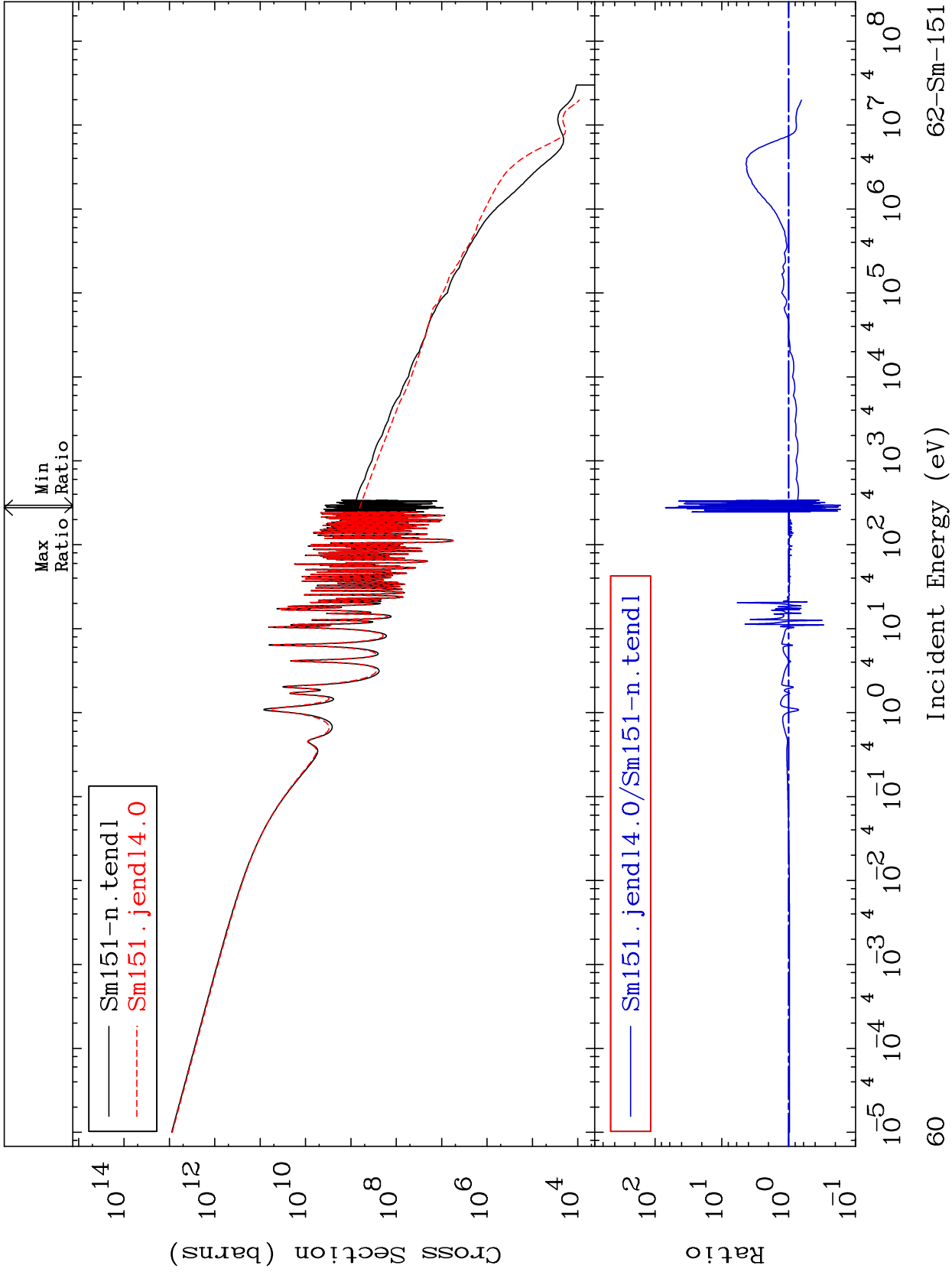
62-Sm-151
-59.52 To 235.2 %



MAT 6246

Kerma capture (mt102)
Cross Section

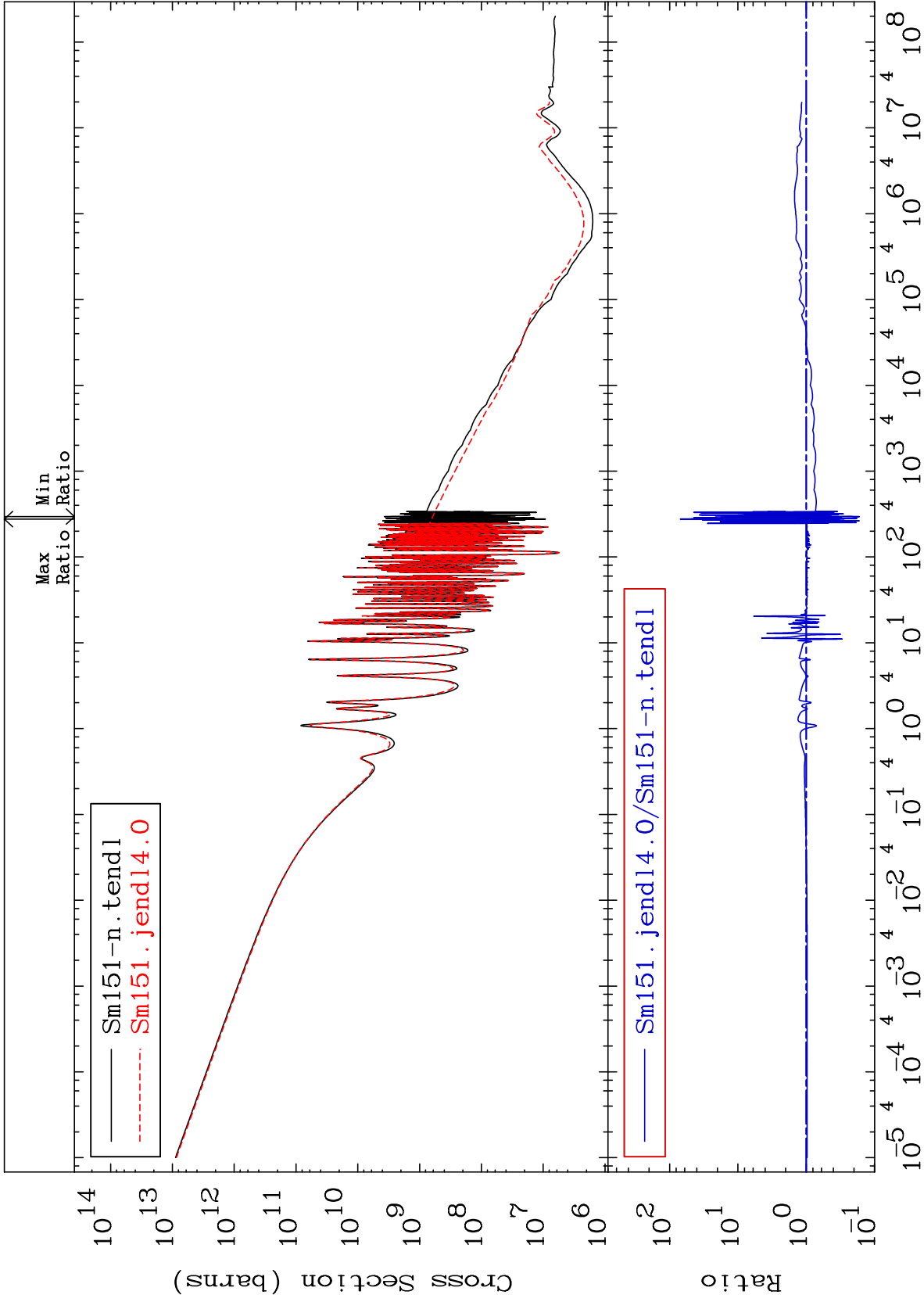
62-Sm-151
-83.36 To 6863. %



MAT 6246

Total photon (eV-barns)
Cross Section

62-Sm-151
-83.36 To 6863. %



61

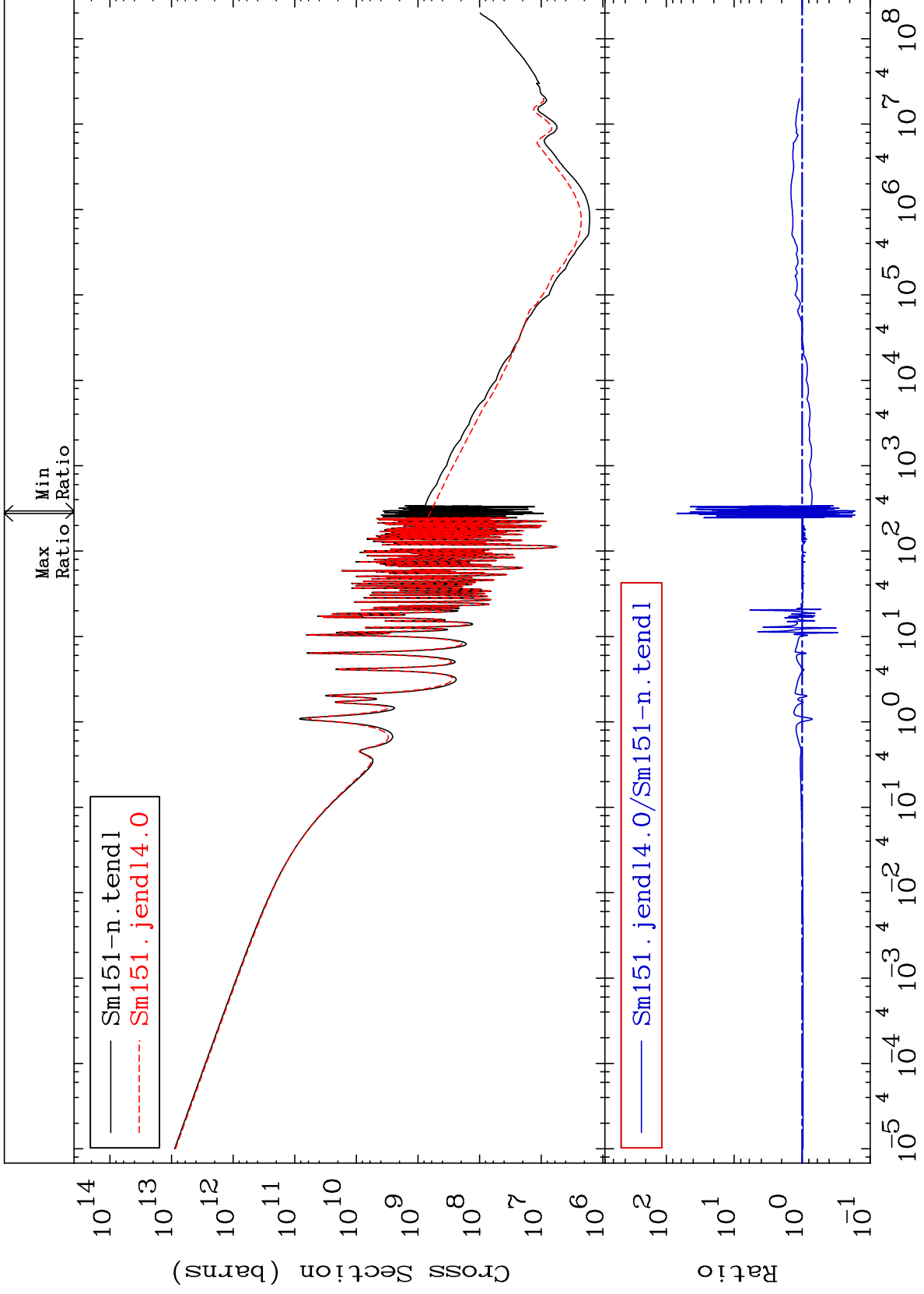
Incident Energy (eV)

62-Sm-151

MAT 6246

Total kinematic kerma (high limit)
Cross Section

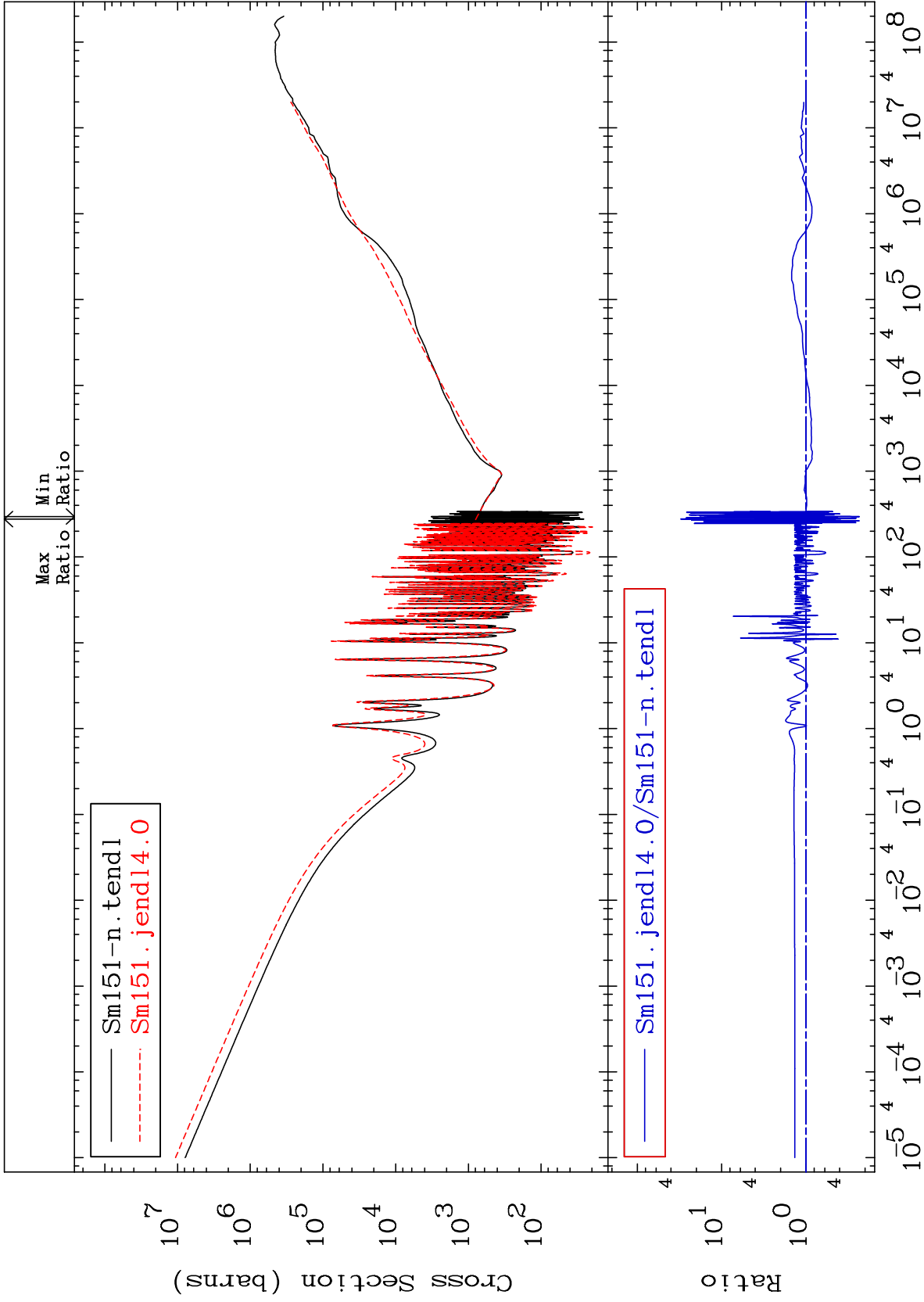
62-Sm-151
-83.36 To 6862. %



62

Incident Energy (eV)

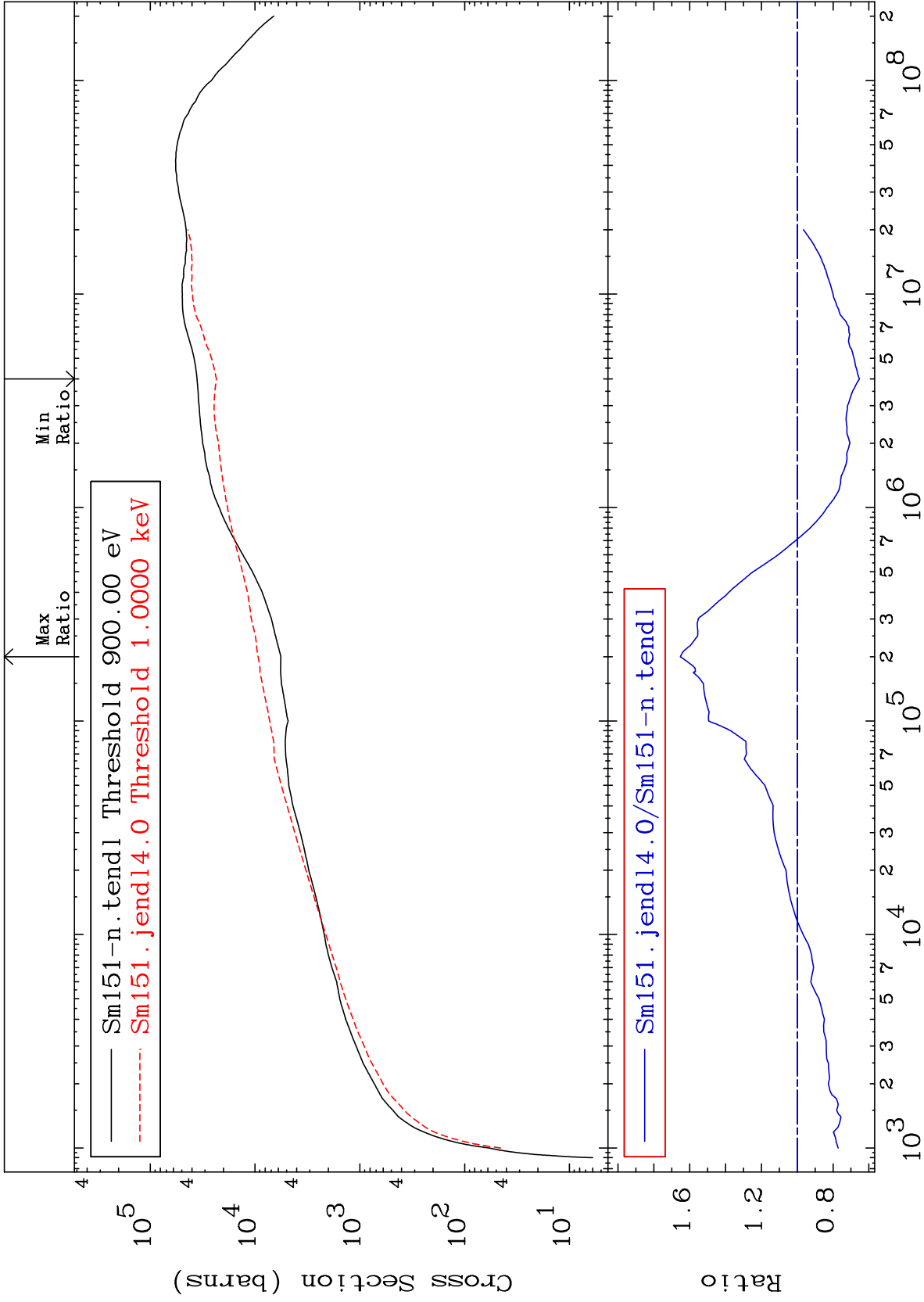
62-Sm-151



MAT 6246

Dpa elastic (mt2)
Cross Section

62-Sm-151
-34.72 To 65.21 %



64

Incident Energy (eV)

62-Sm-151

