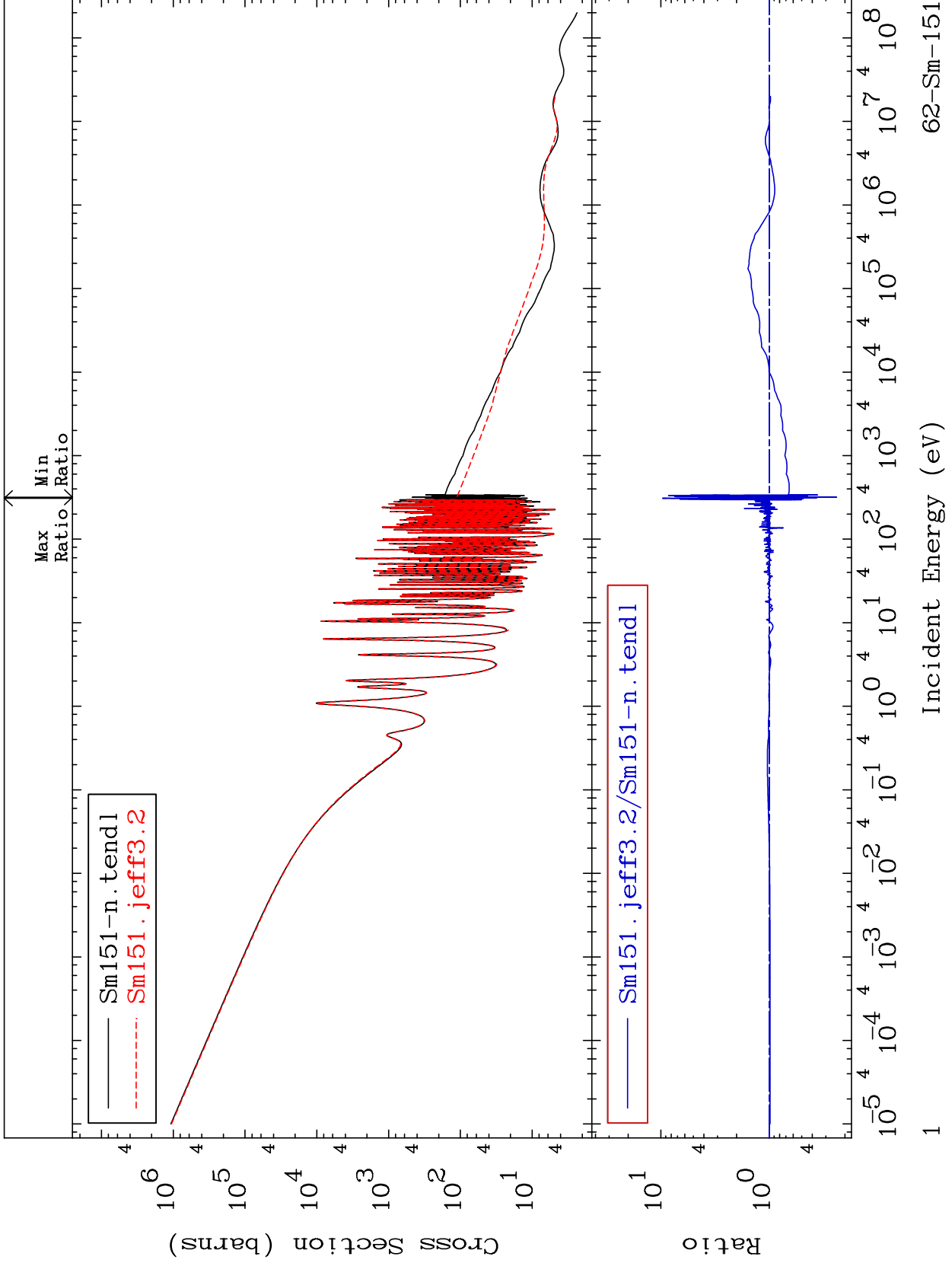


MAT 6246

Total
Cross Section

62-Sm-151
-76.13 To 867.4 %



62-Sm-151

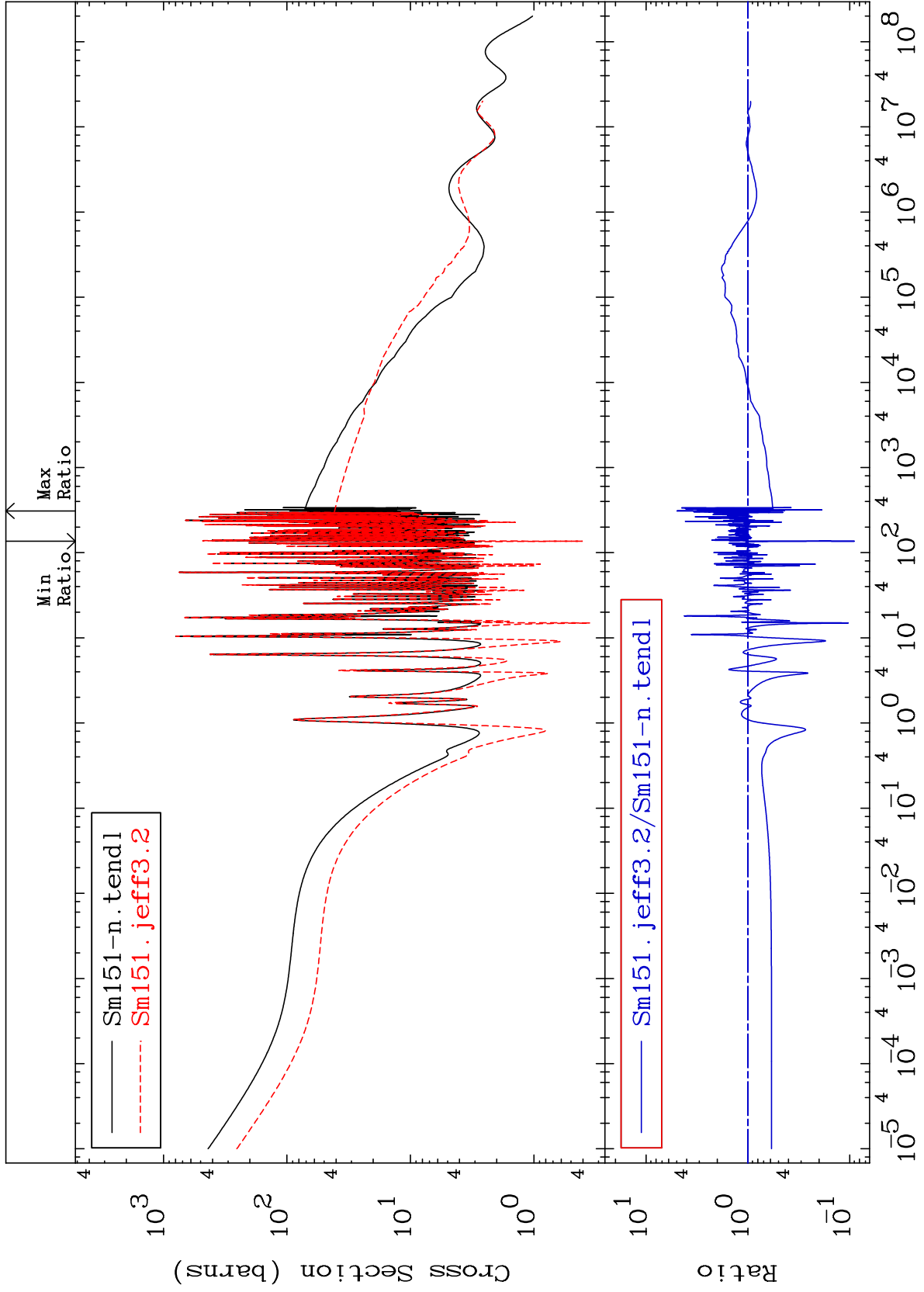
MAT 6246

Elastic

62-Sm-151

Cross Section

-91.04 To 400.5 %



2

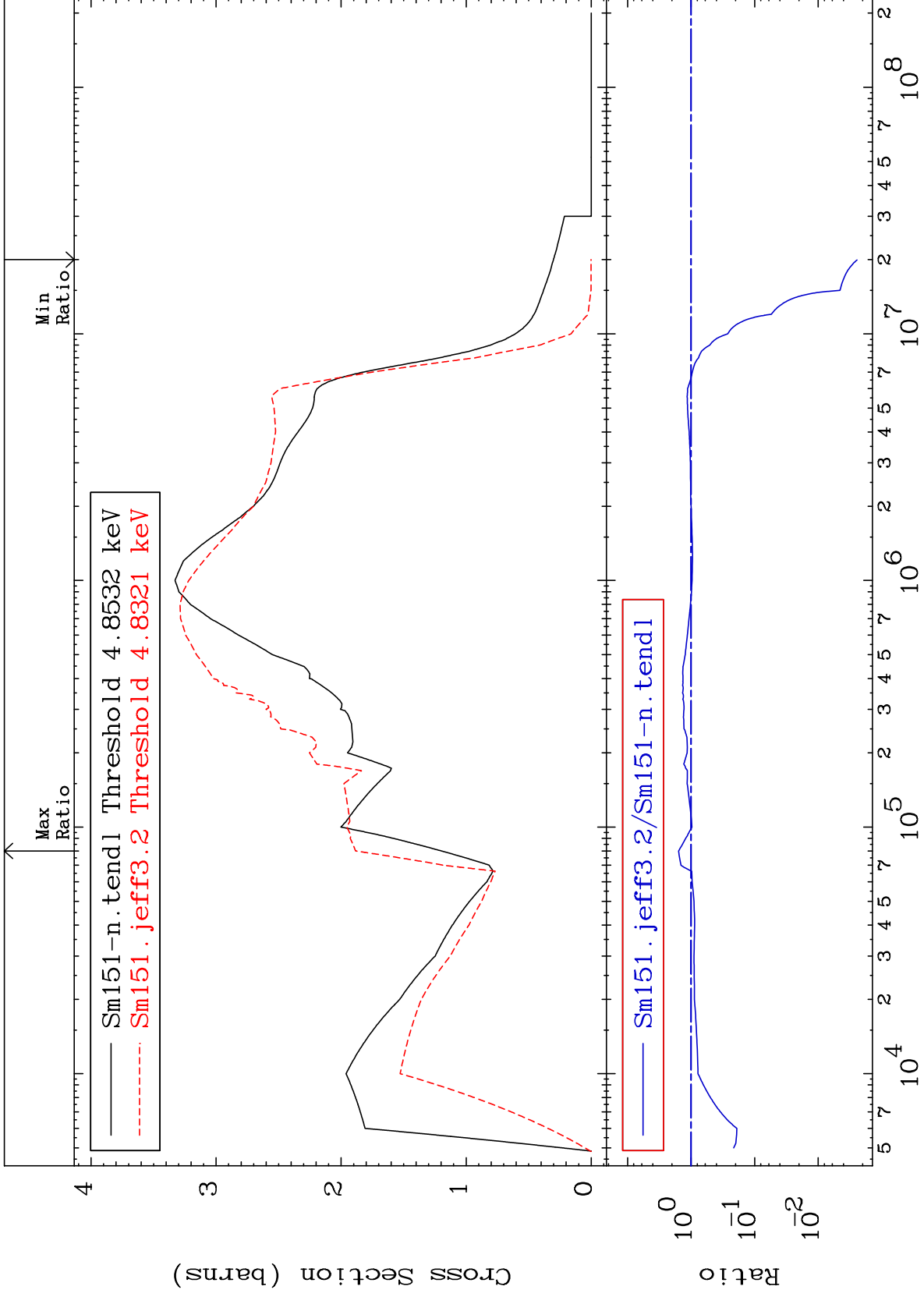
Incident Energy (eV)

62-Sm-151

MAT 6246

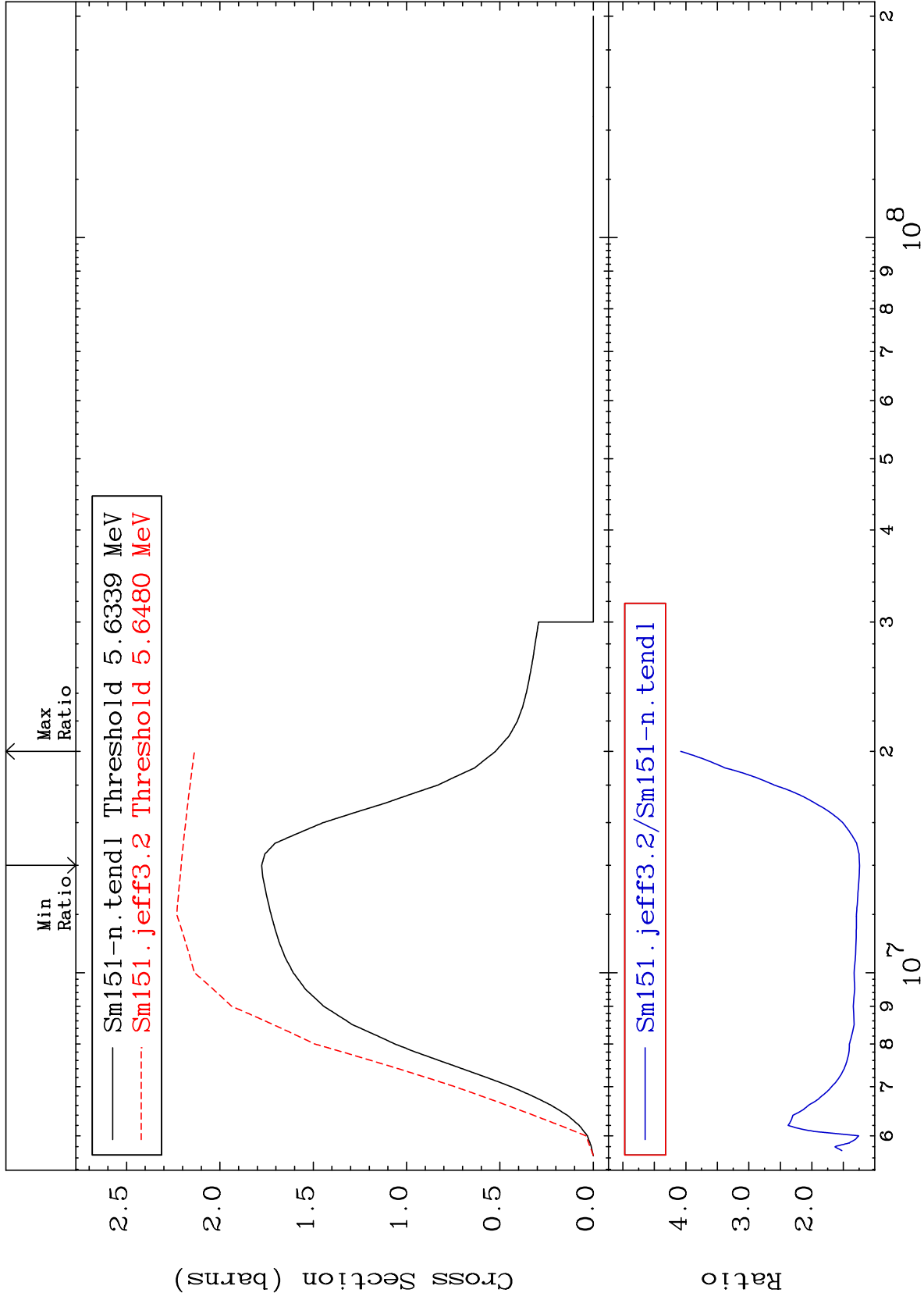
Inelastic
Cross Section

62-Sm-151
-99.76 To 57.36 %



MAT 6246

(n,2n) Cross Section
62-Sm-151
24.29 To 308.1 %



62-Sm-151

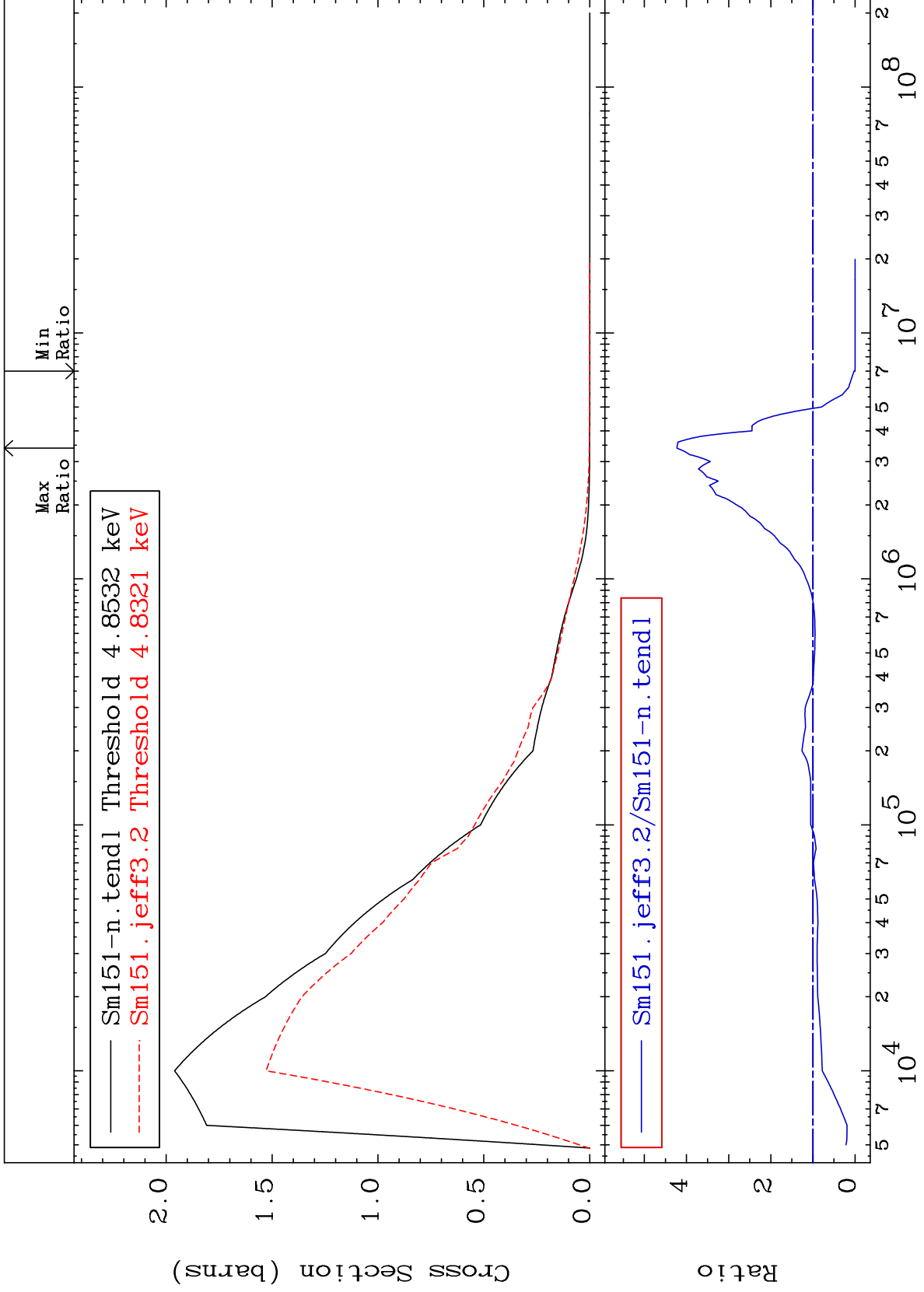
Incident Energy (eV)

4

MAT 6246

4.821 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 322.8 %



5

Incident Energy (eV)

62-Sm-151

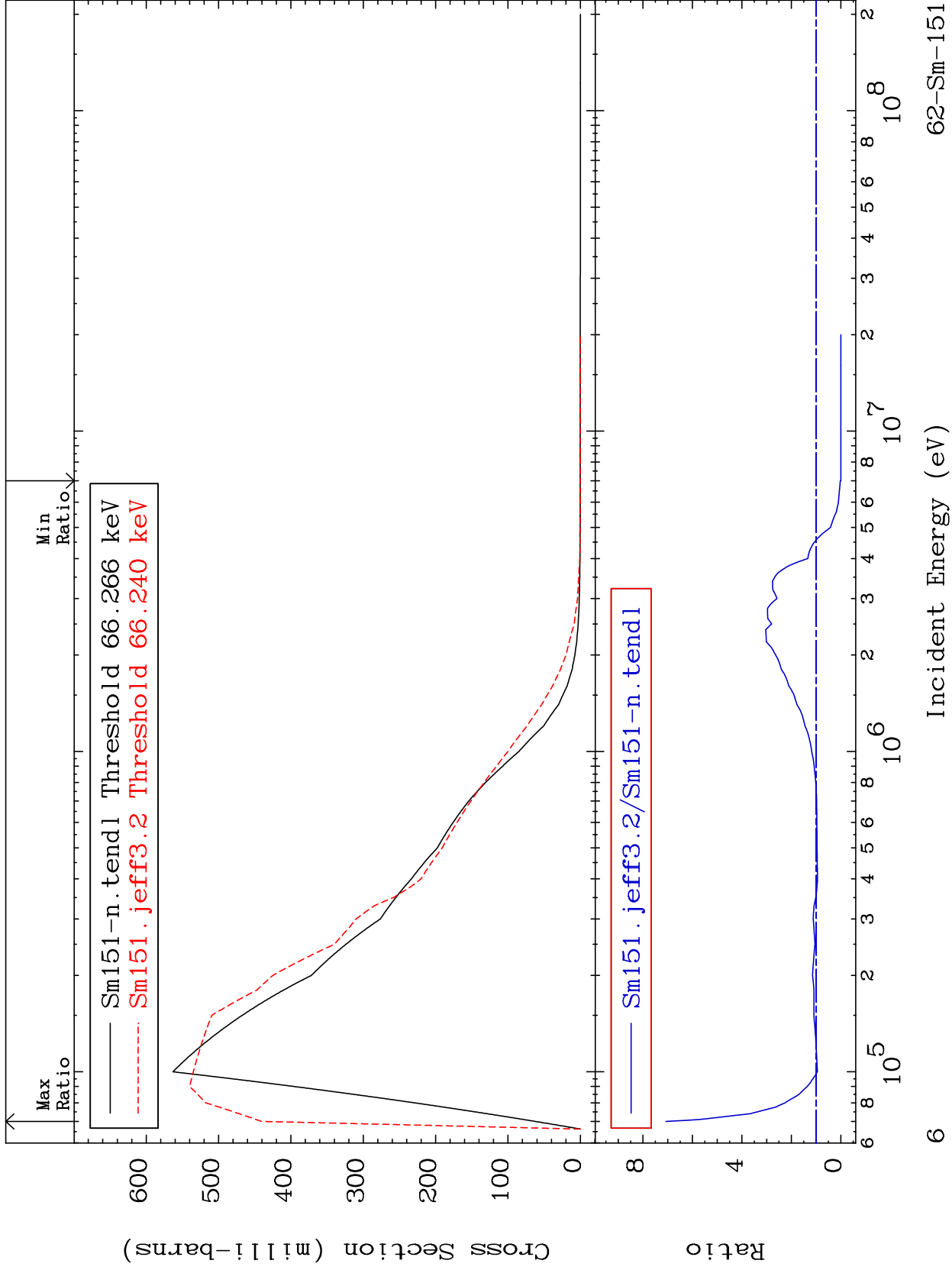
MAT 6246

65.83 keV (n,n') Level

62-Sm-151

-100.0 To 607.2 %

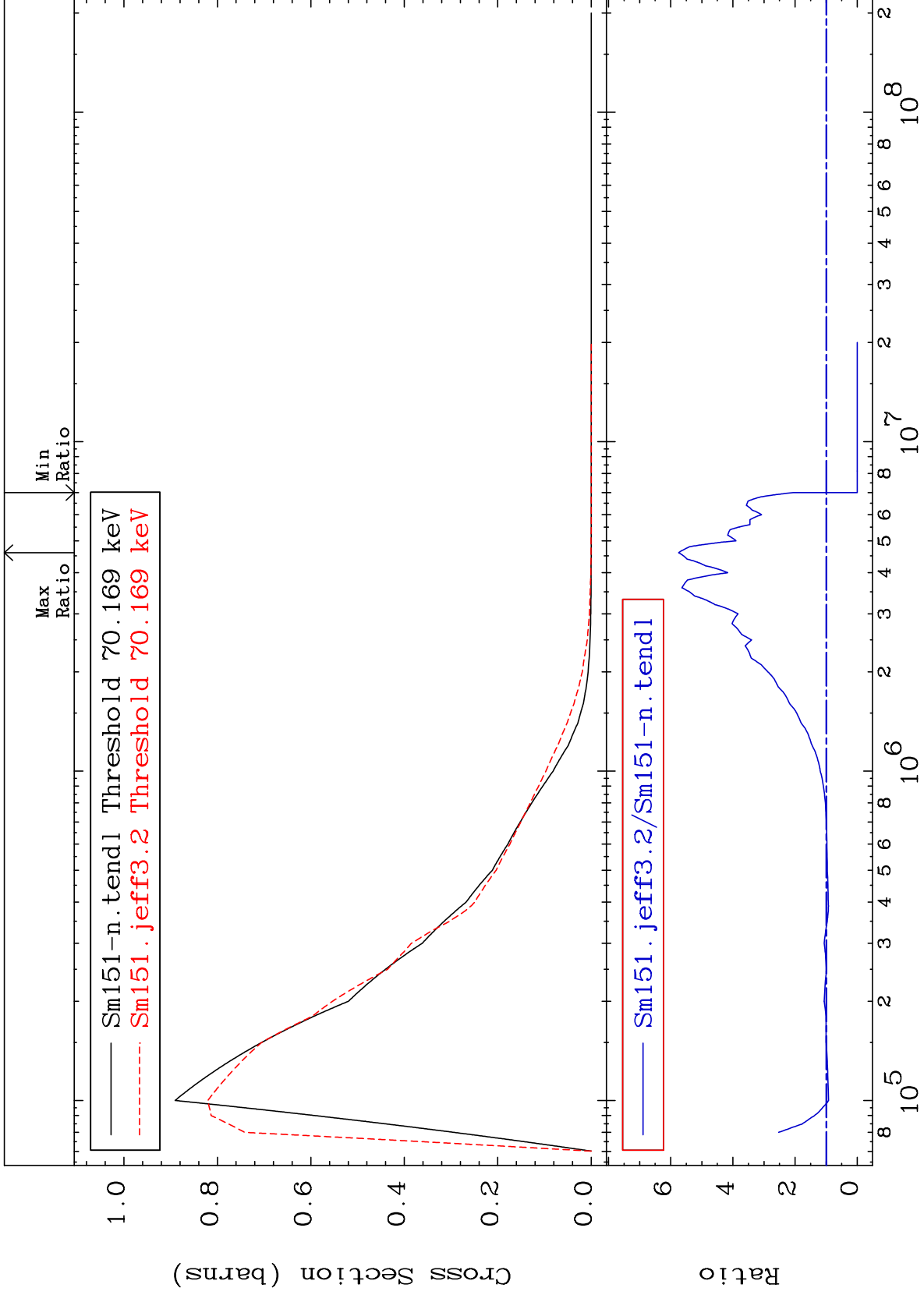
Cross Section



MAT 6246

69.70 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 474.5 %



7

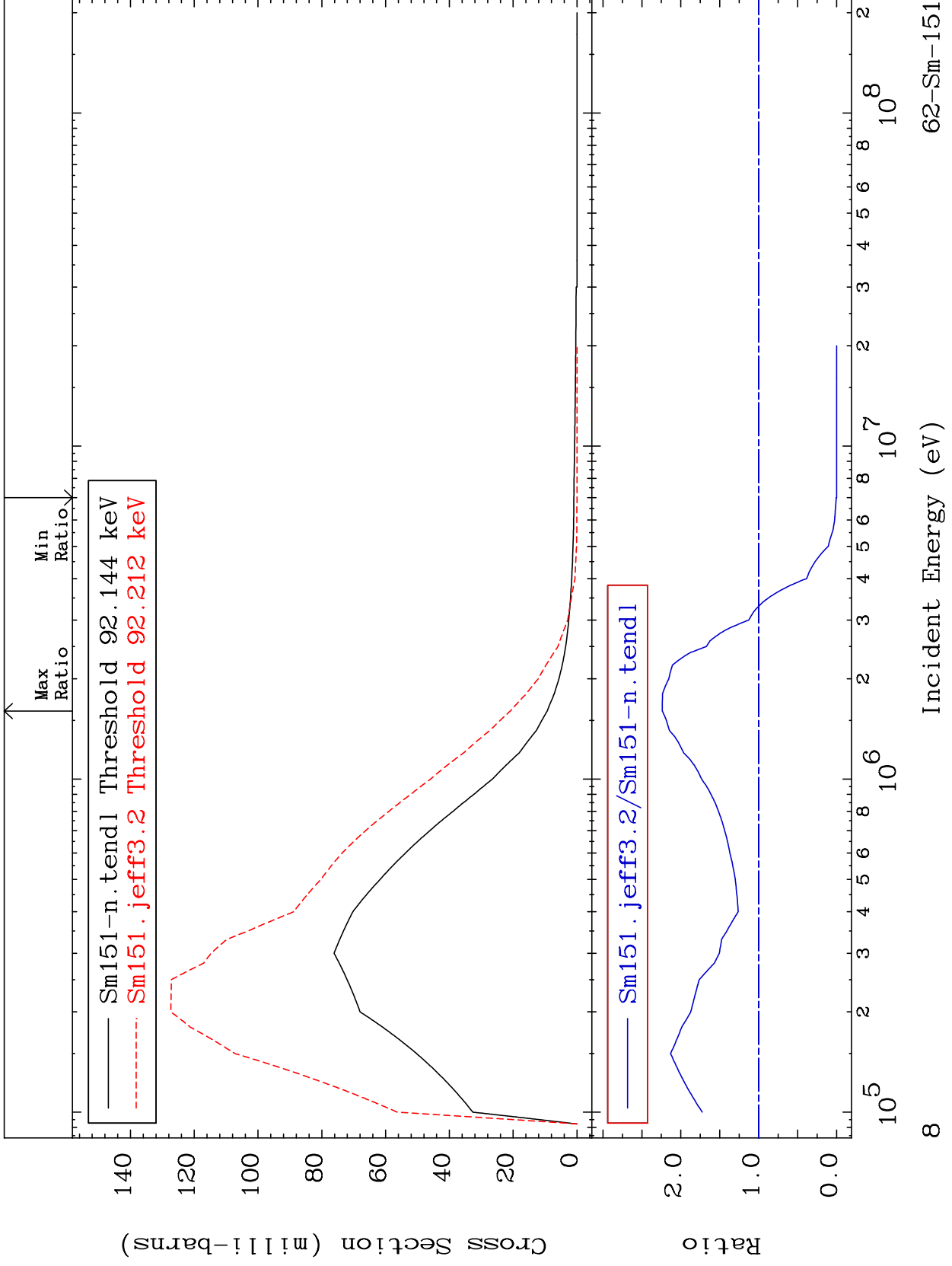
Incident Energy (eV)

62-Sm-151

MAT 6246

91.53 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 123.8 %

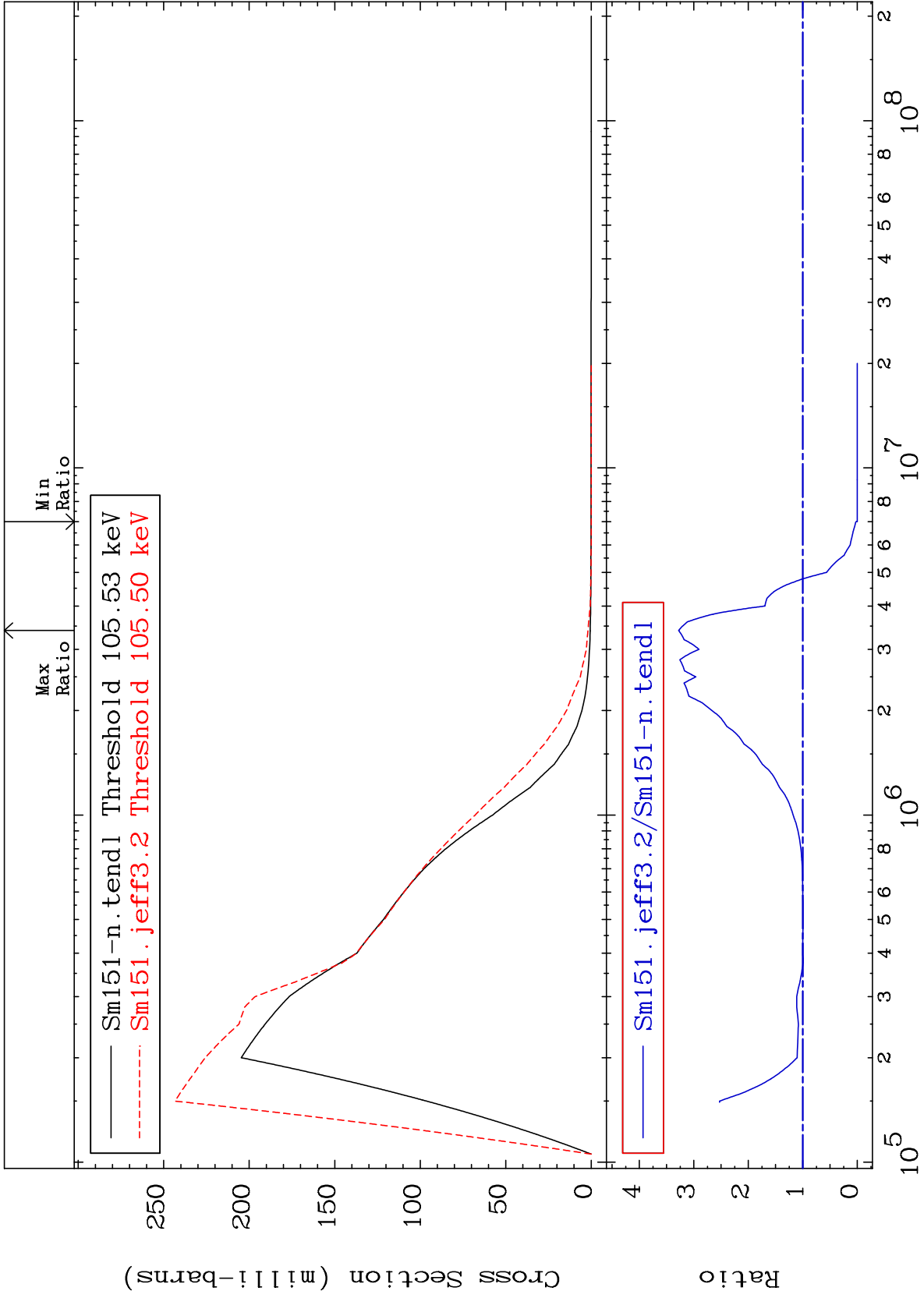


62-Sm-151

MAT 6246

104.8 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 227.9 %



9

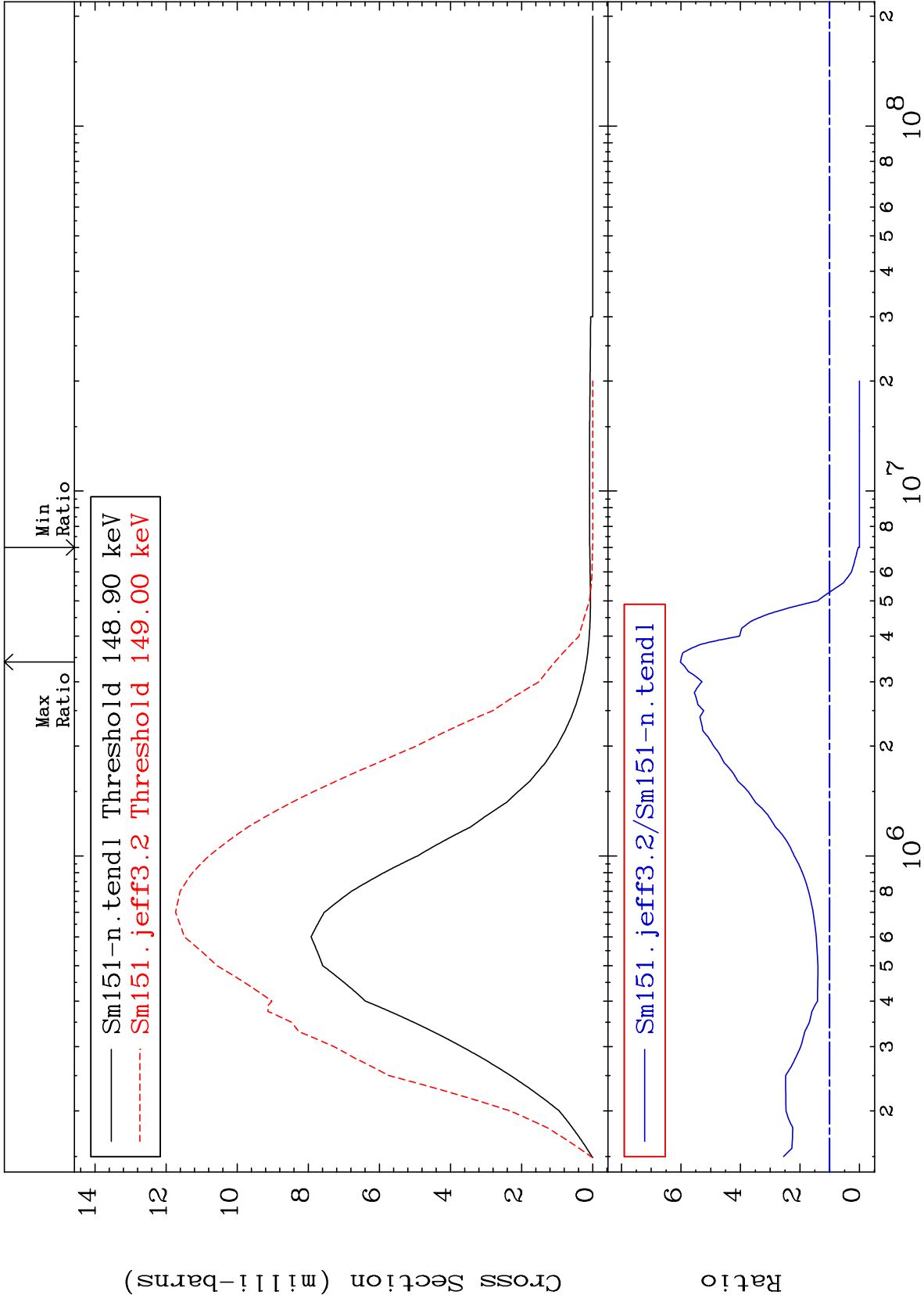
Incident Energy (eV)

62-Sm-151

MAT 6246

147.9 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 502.0 %



10

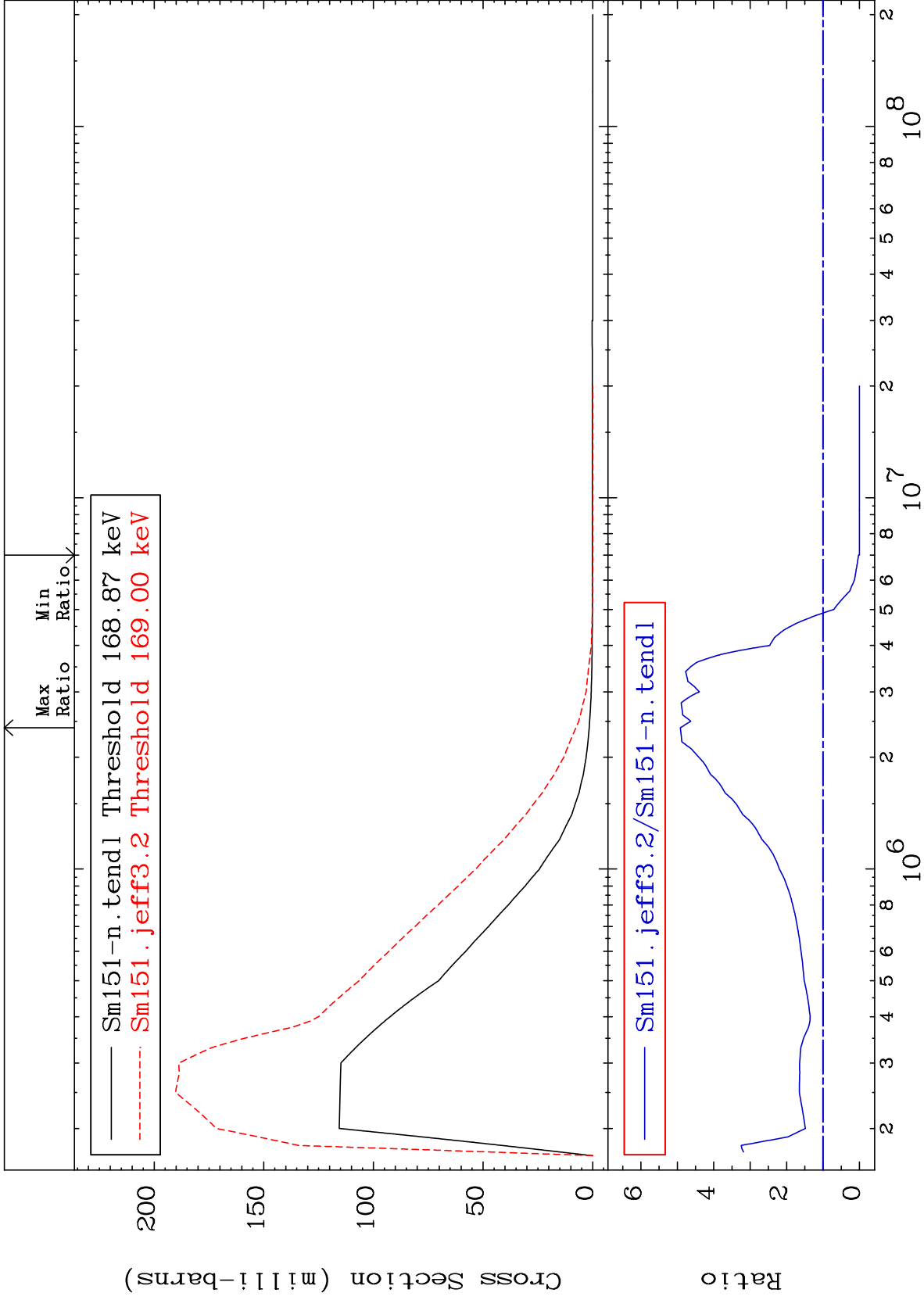
Incident Energy (eV)

62-Sm-151

MAT 6246

167.7 keV (n,n') Level
Cross Section

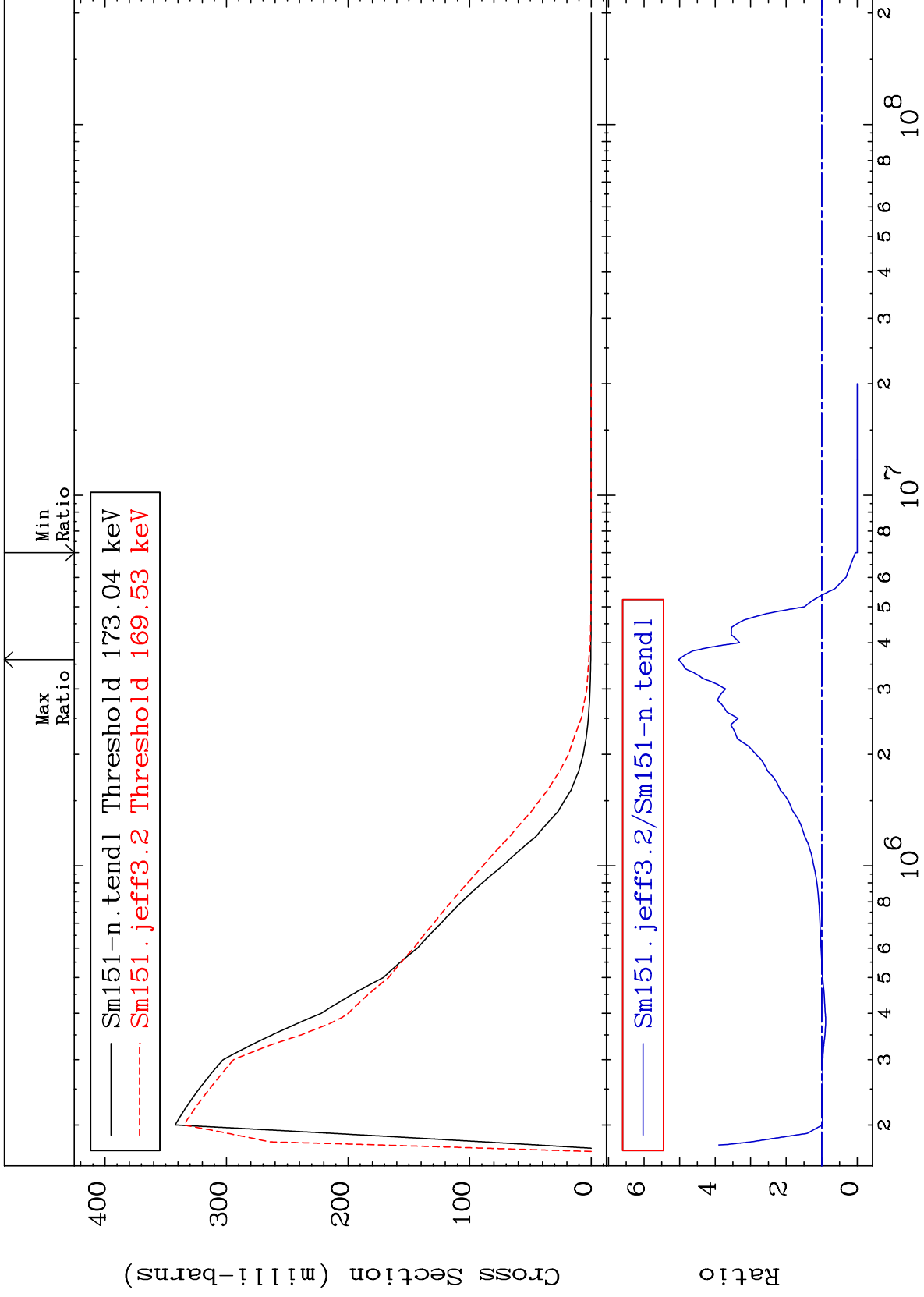
62-Sm-151
-100.0 To 391.6 %



MAT 6246

171.9 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 402.6 %



12

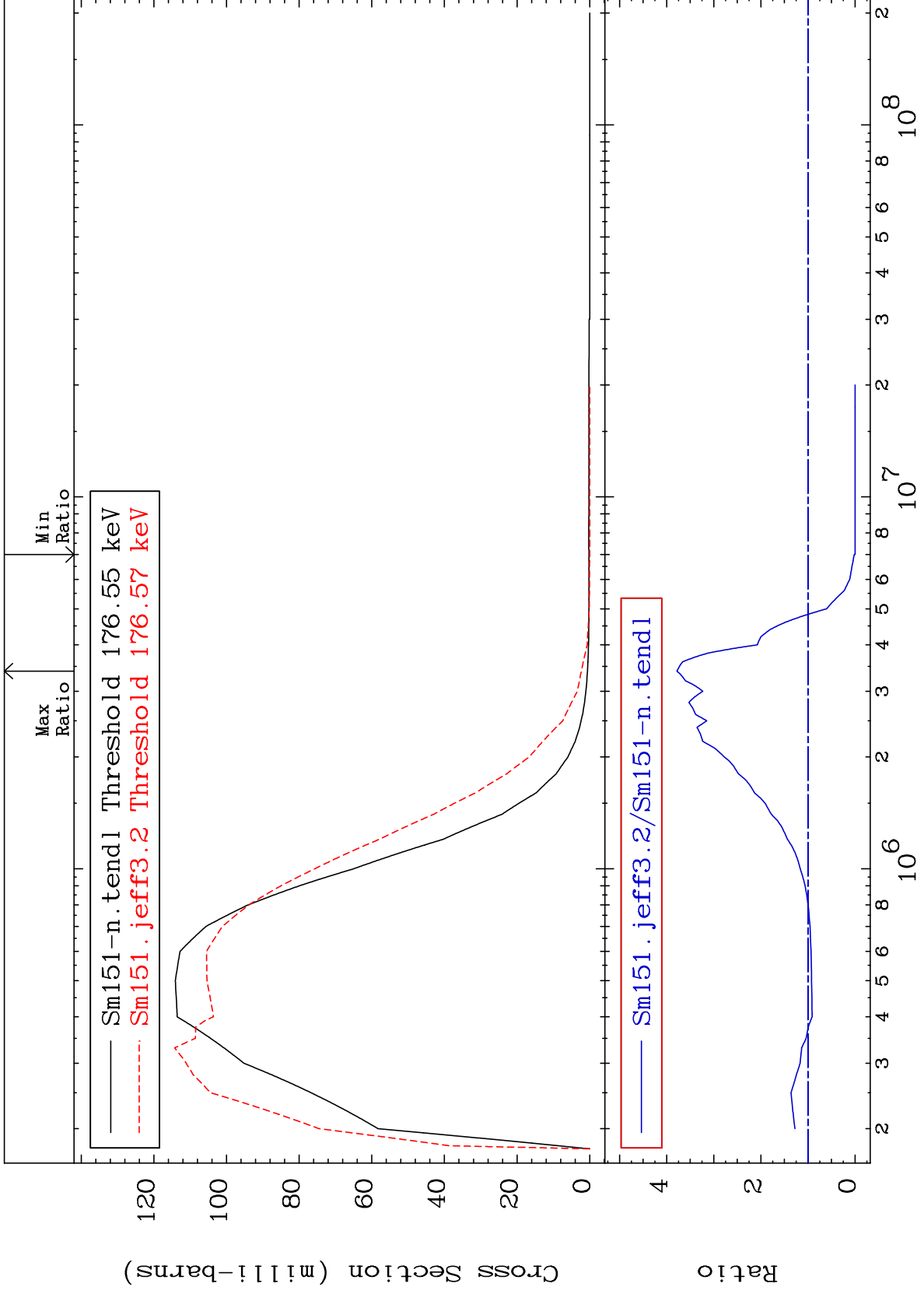
Incident Energy (eV)

62-Sm-151

MAT 6246

175.4 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 278.2 %



13

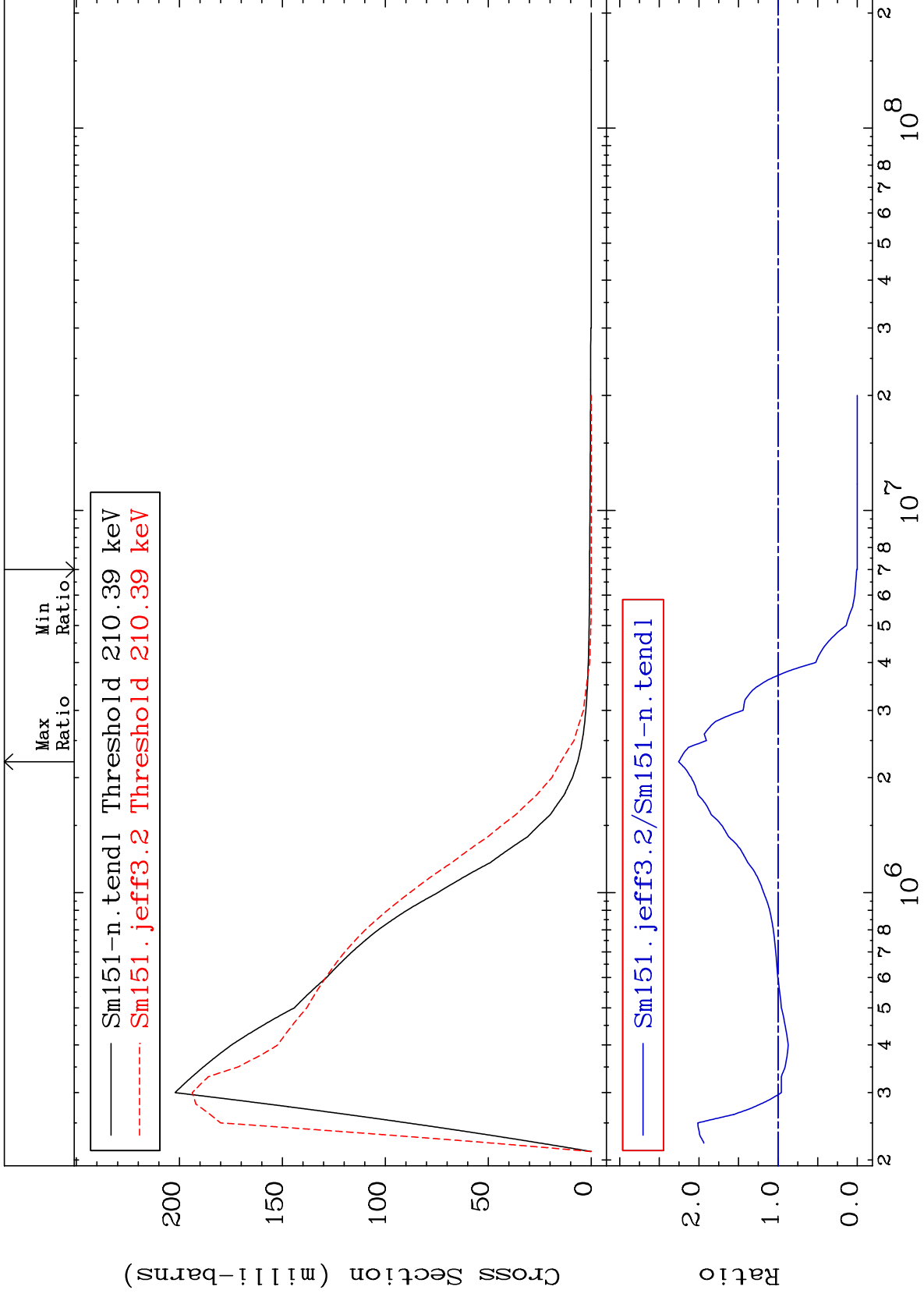
Incident Energy (eV)

62-Sm-151

MAT 6246

209.0 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 125.6 %



14

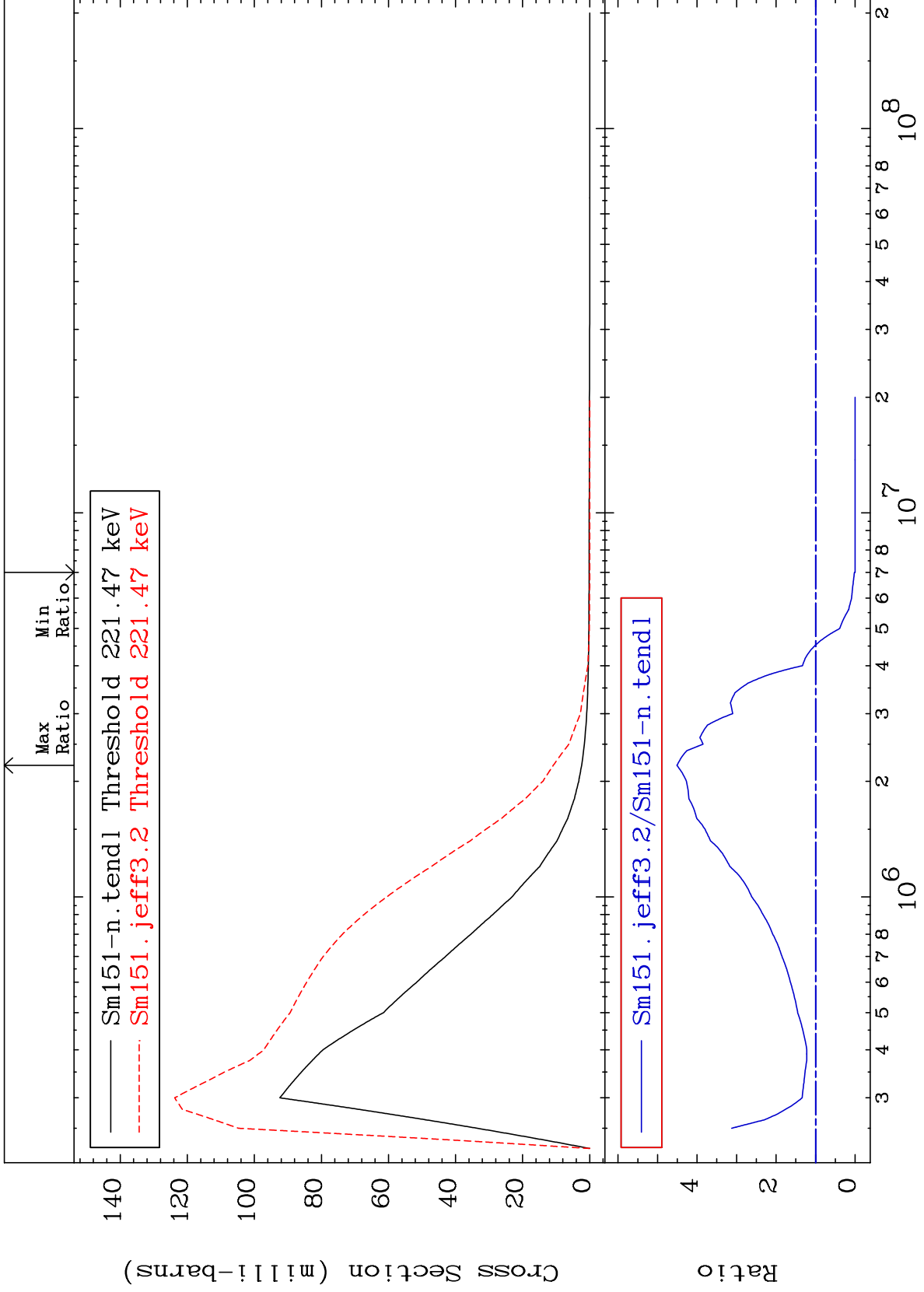
Incident Energy (eV)

62-Sm-151

MAT 6246

220.0 keV (n,n') Level
Cross Section

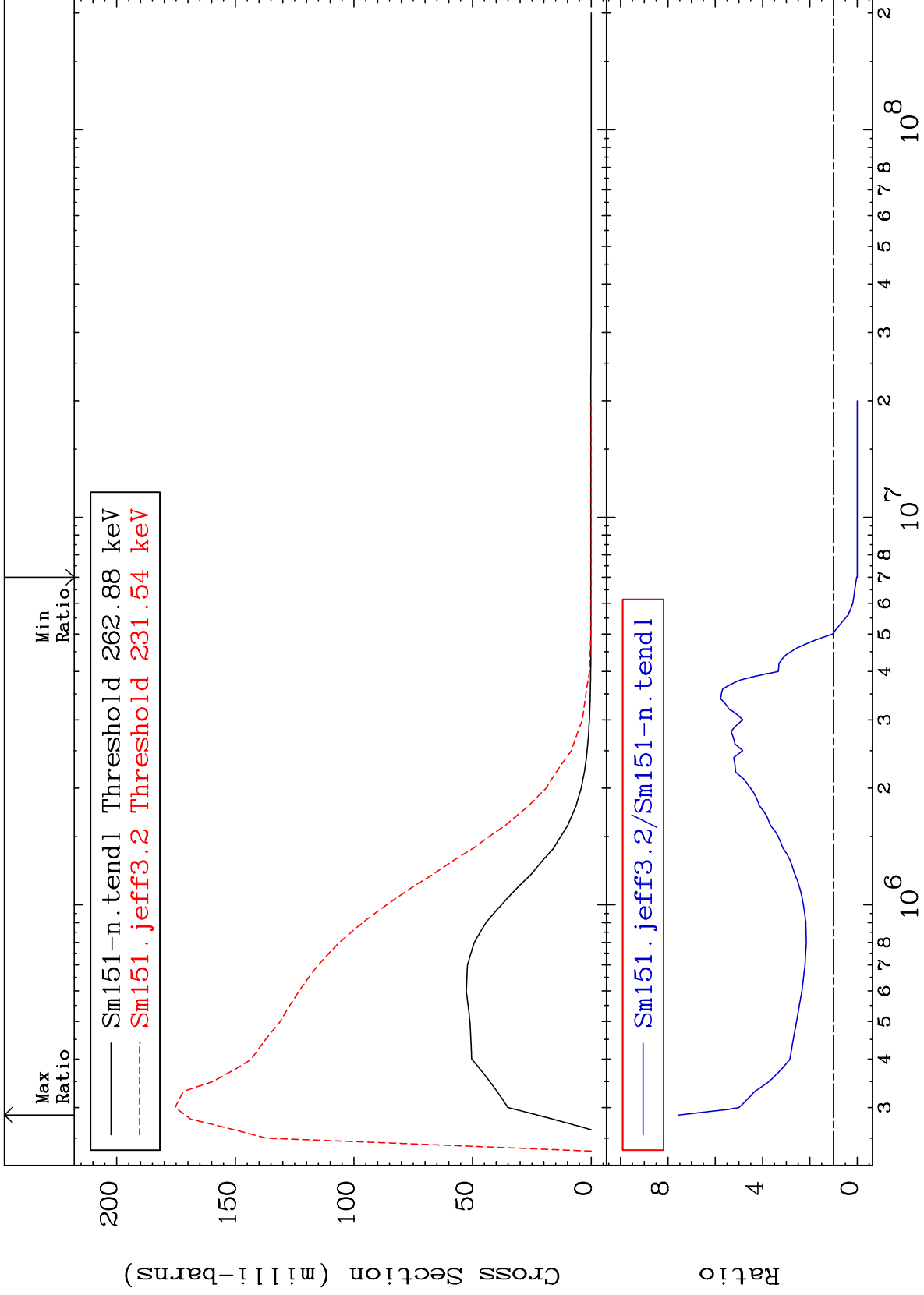
62-Sm-151
-100.0 To 350.9 %



MAT 6246

261.1 keV (n,n') Level
Cross Section

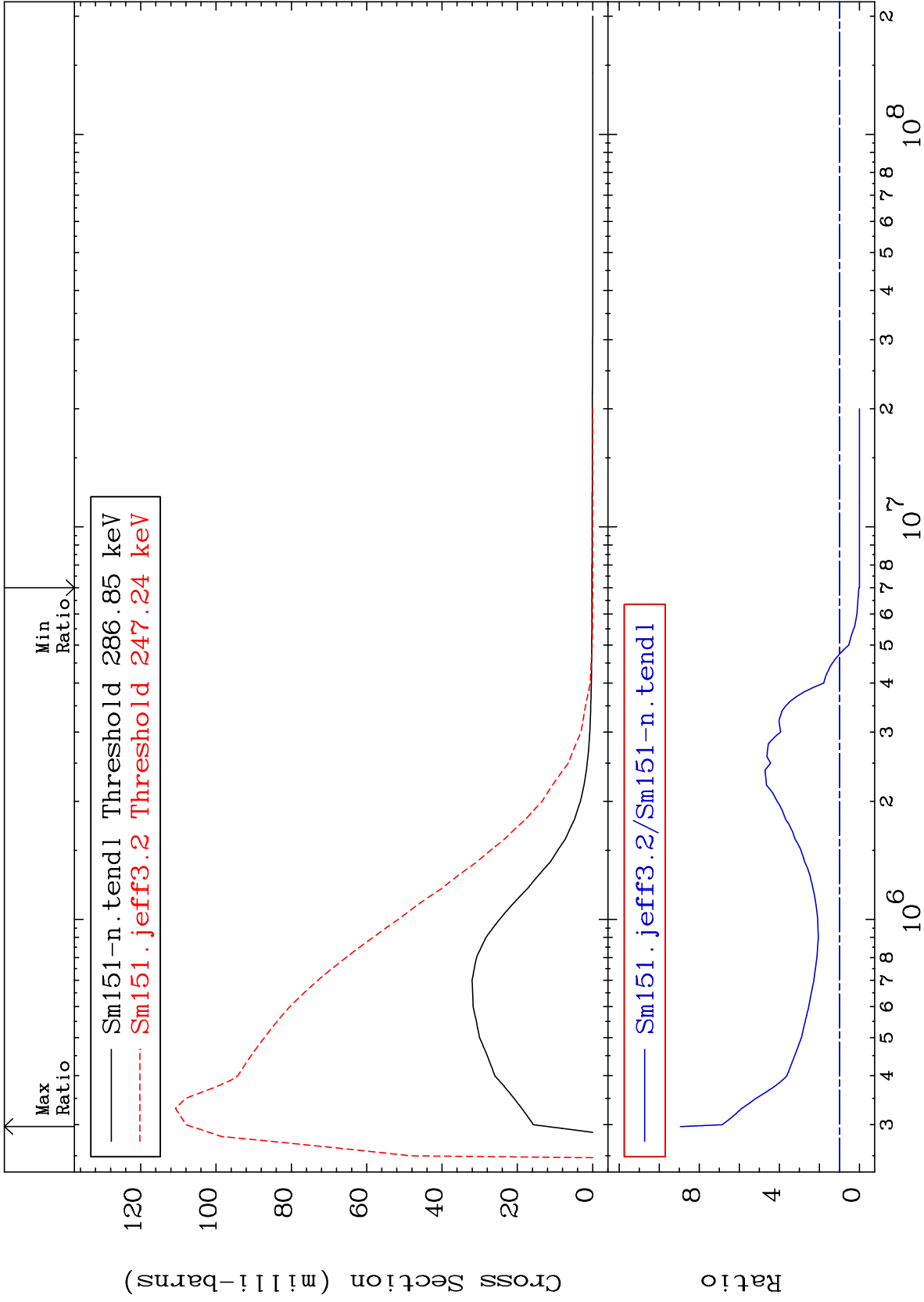
62-Sm-151
-100.0 To 654.7 %



MAT 6246

285.0 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 794.8 %



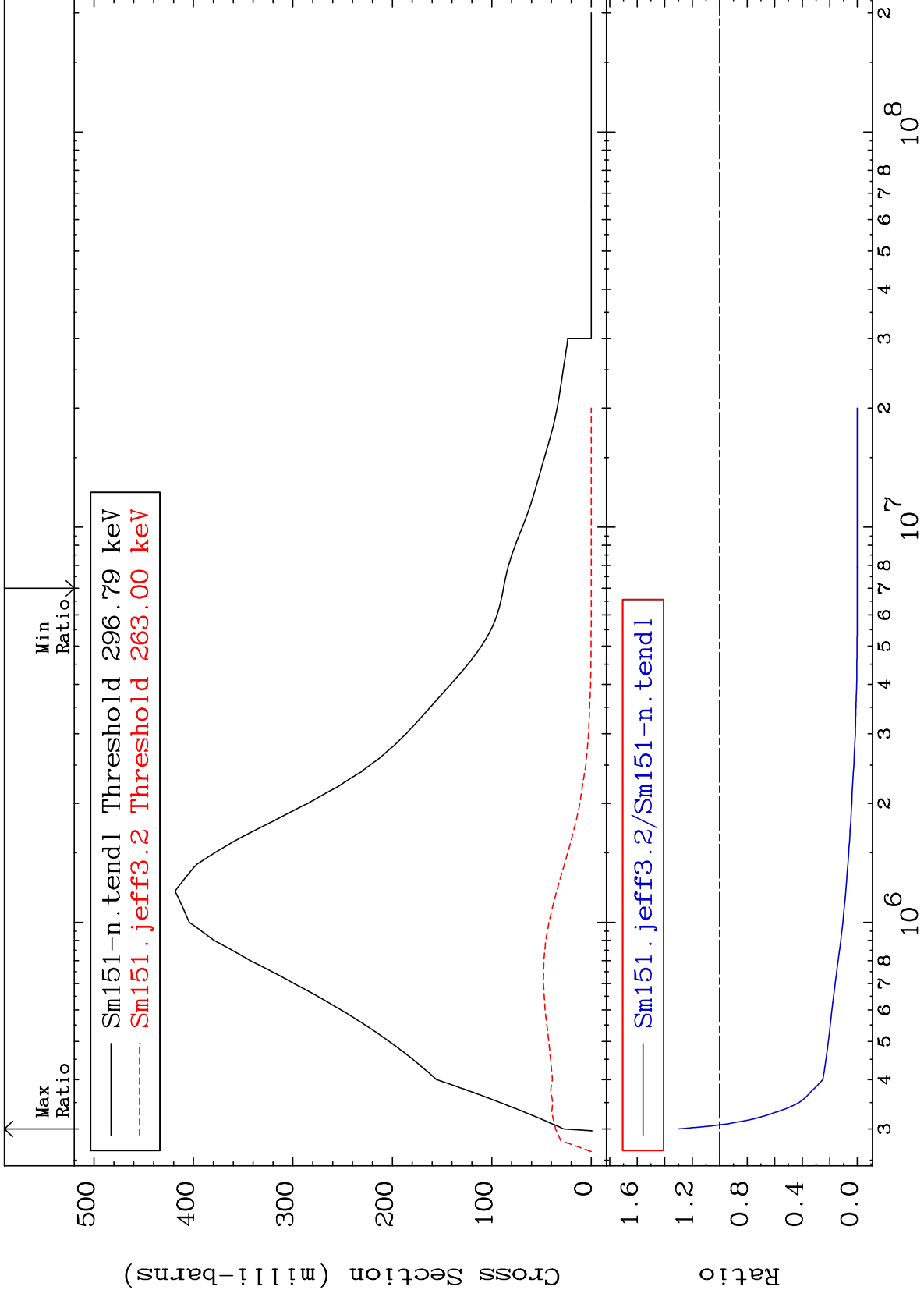
17

62-Sm-151

MAT 6246

294.8 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 29.89 %



18

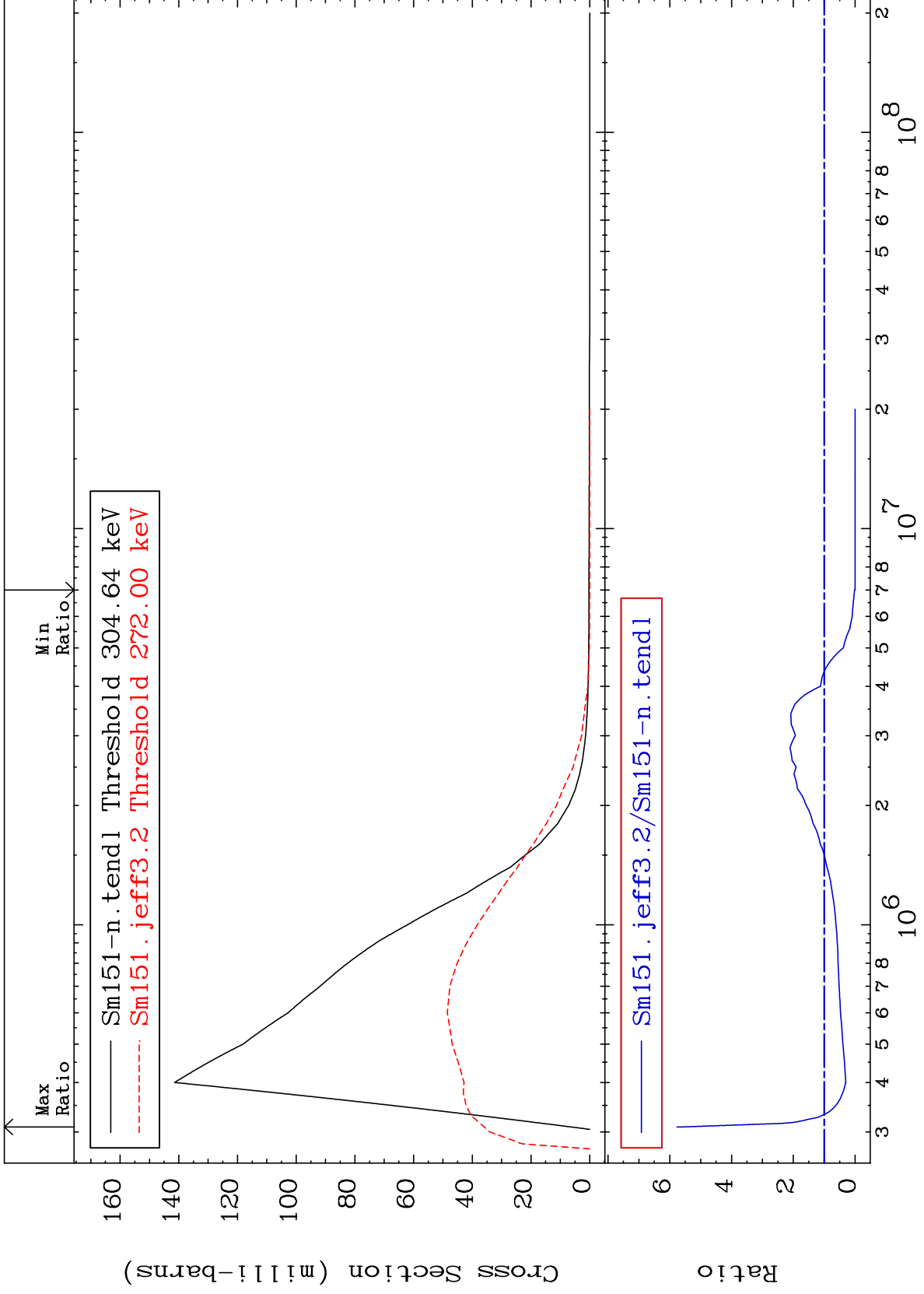
Incident Energy (eV)

62-Sm-151

MAT 6246

302.6 keV (n,n') Level
Cross Section

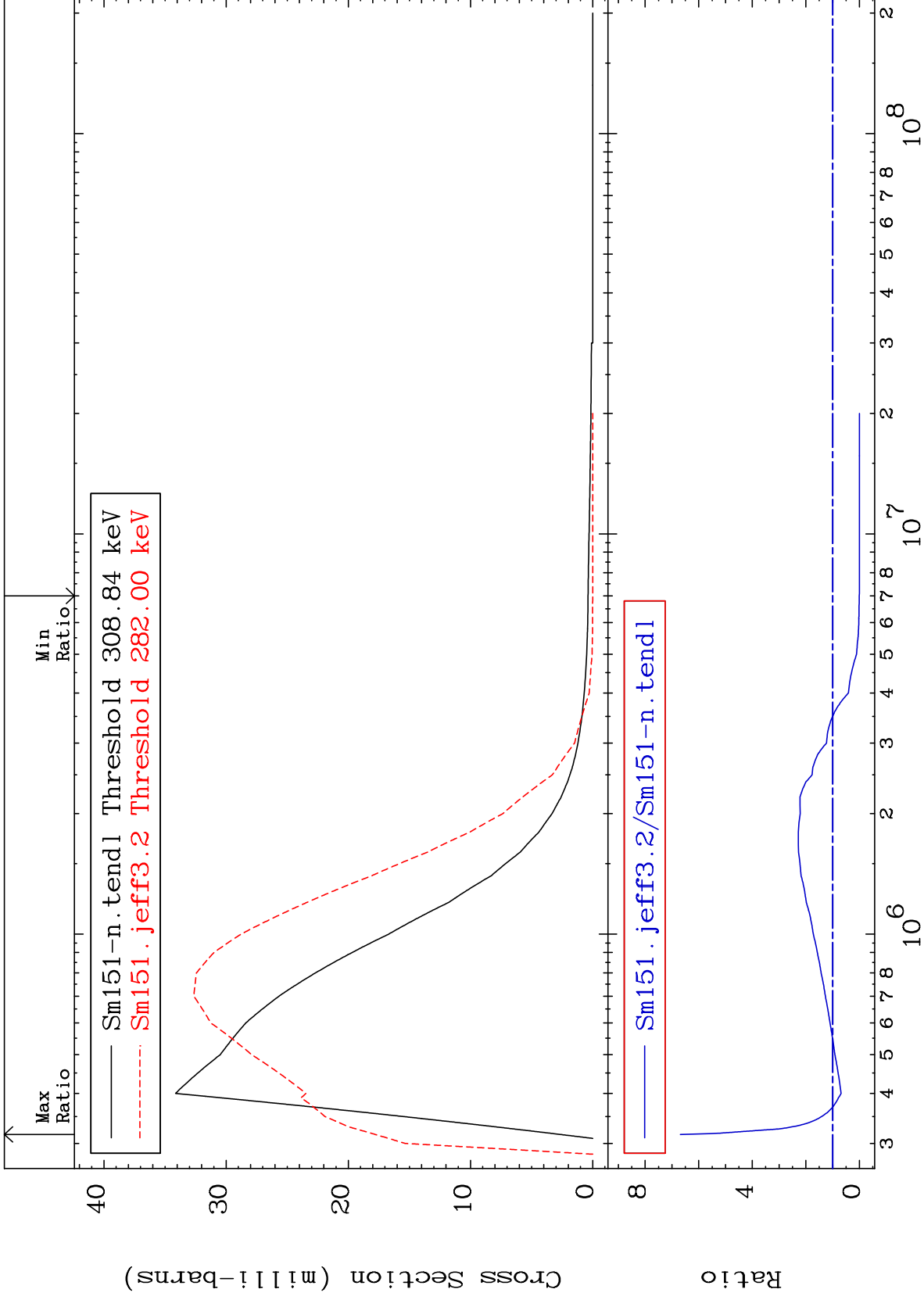
62-Sm-151
-100.0 To 476.9 %



MAT 6246

306.8 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 568.6 %



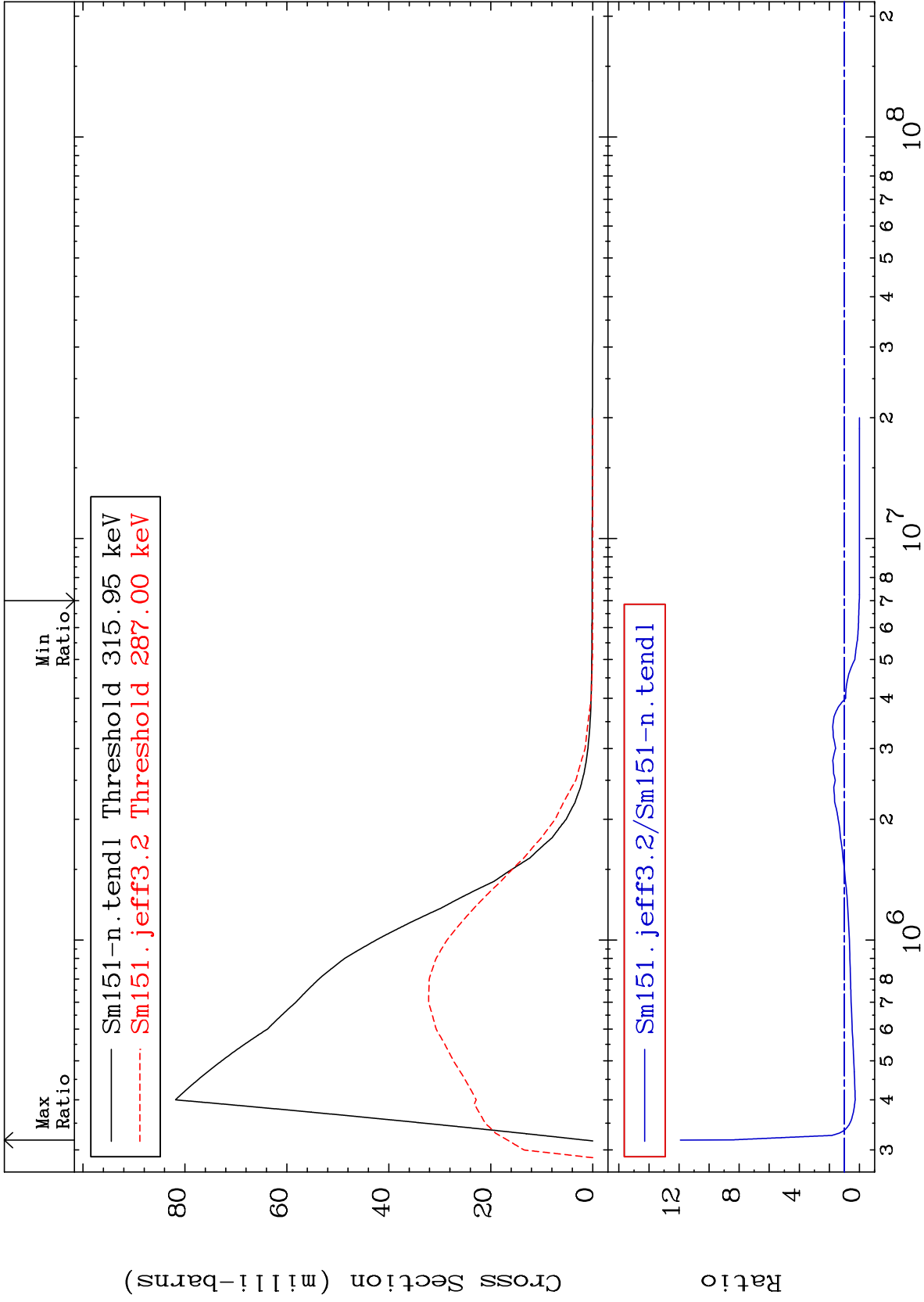
20

62-Sm-151

MAT 6246

313.8 keV (n,n') Level
Cross Section

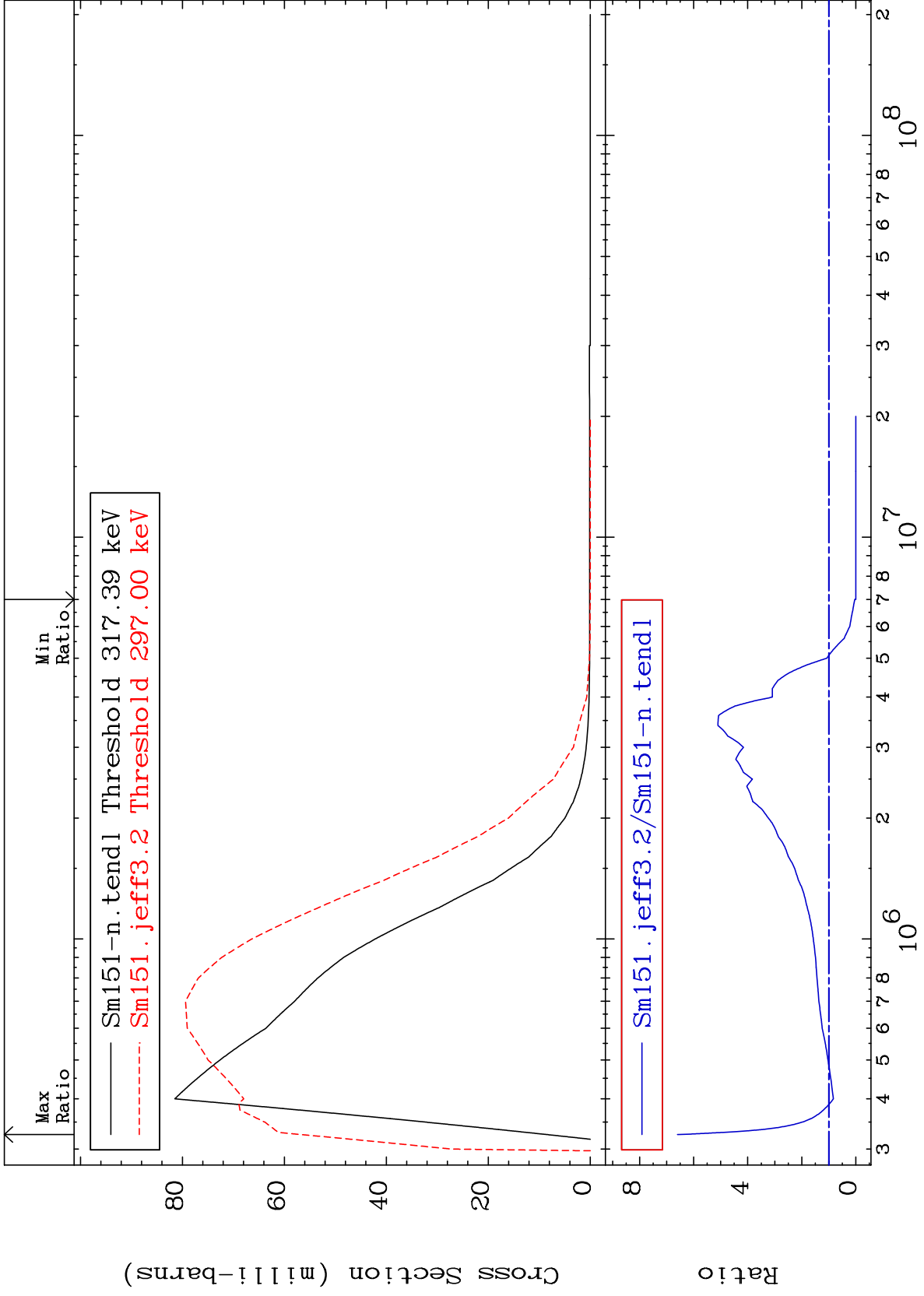
62-Sm-151
-100.0 To 1091. %



MAT 6246

315.3 keV (n,n') Level
Cross Section

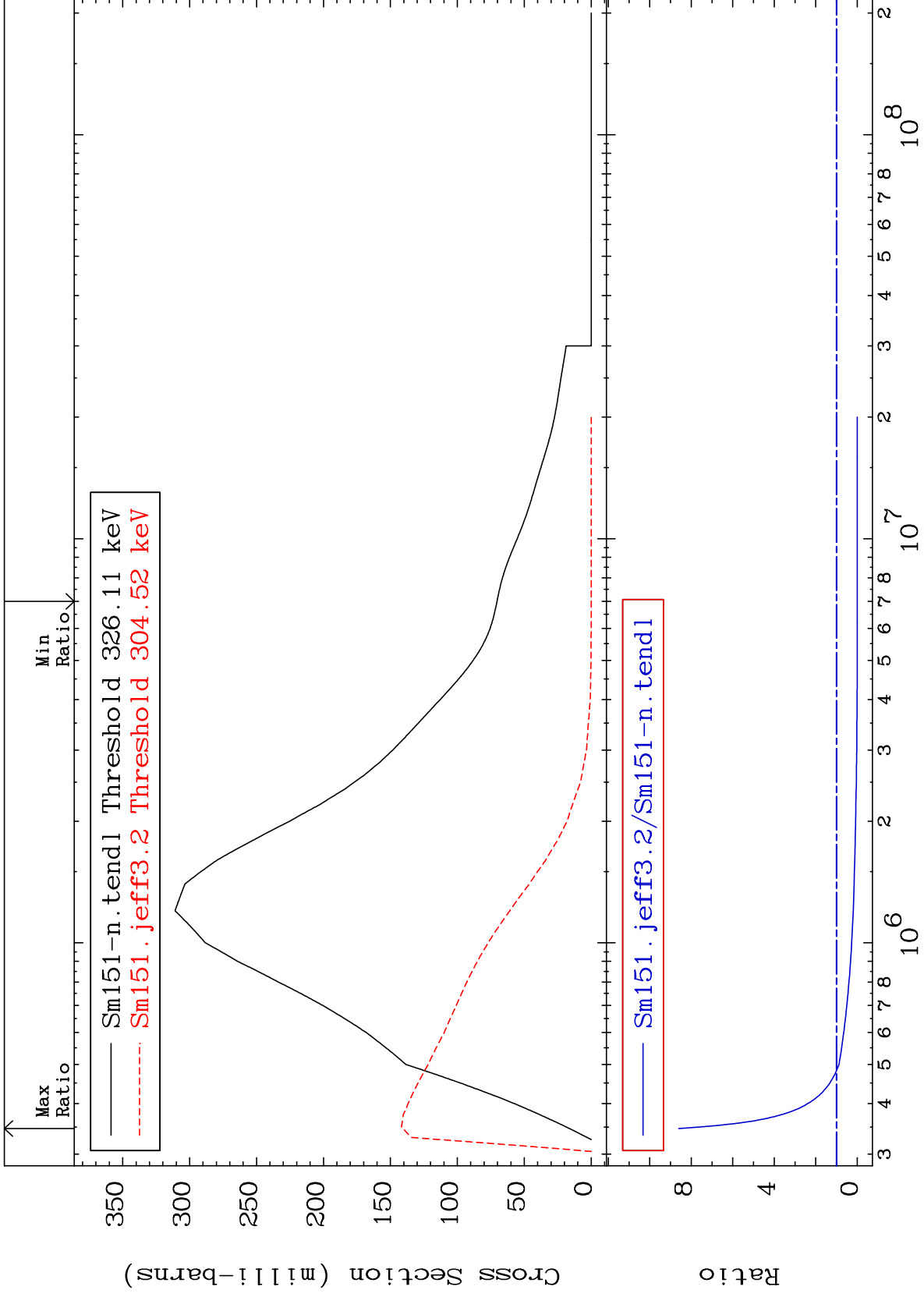
62-Sm-151
-100.0 To 559.9 %



MAT 6246

323.9 keV (n,n') Level
Cross Section

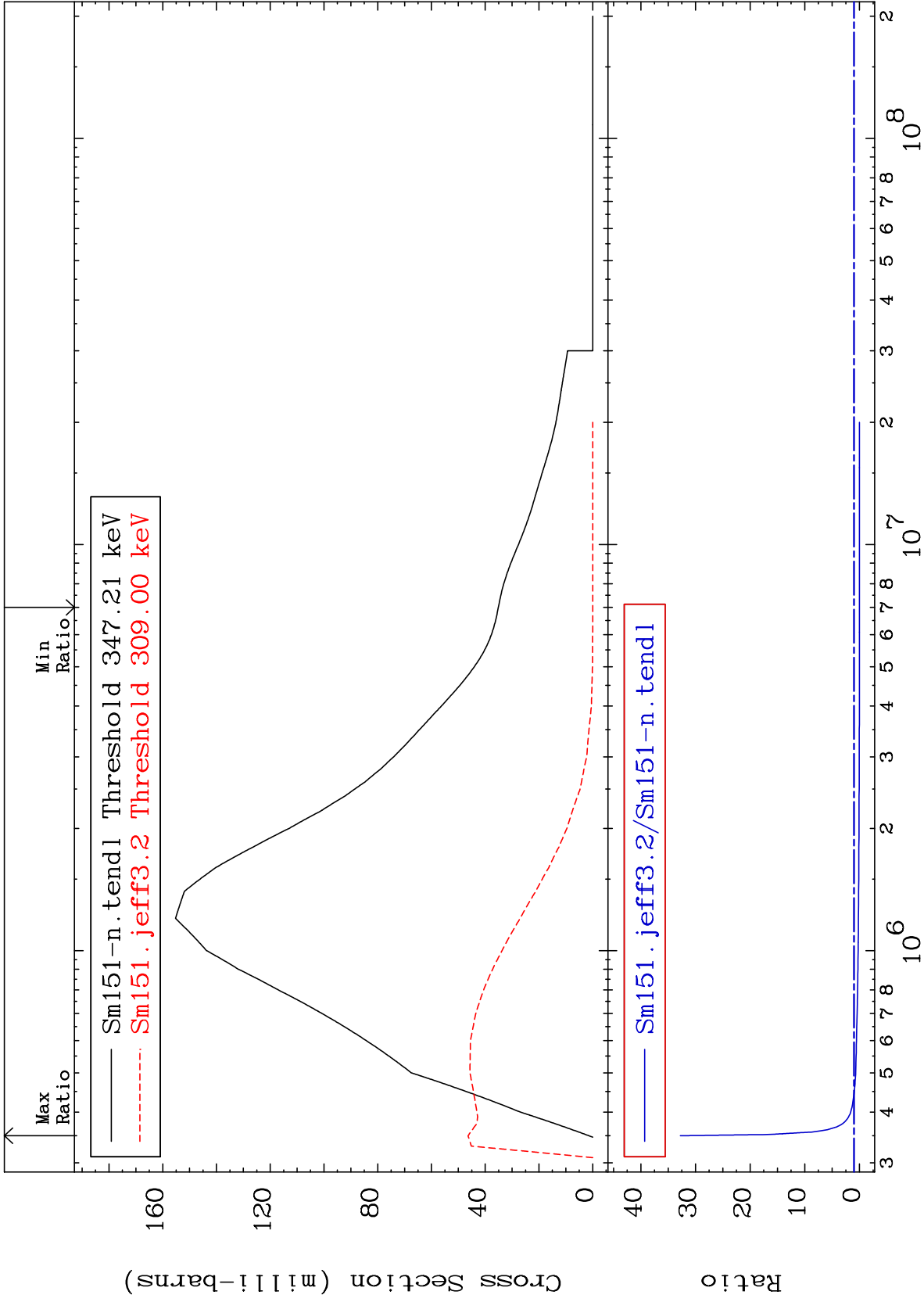
62-Sm-151
-100.0 To 760.8 %



MAT 6246

344.9 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 3177. %



24

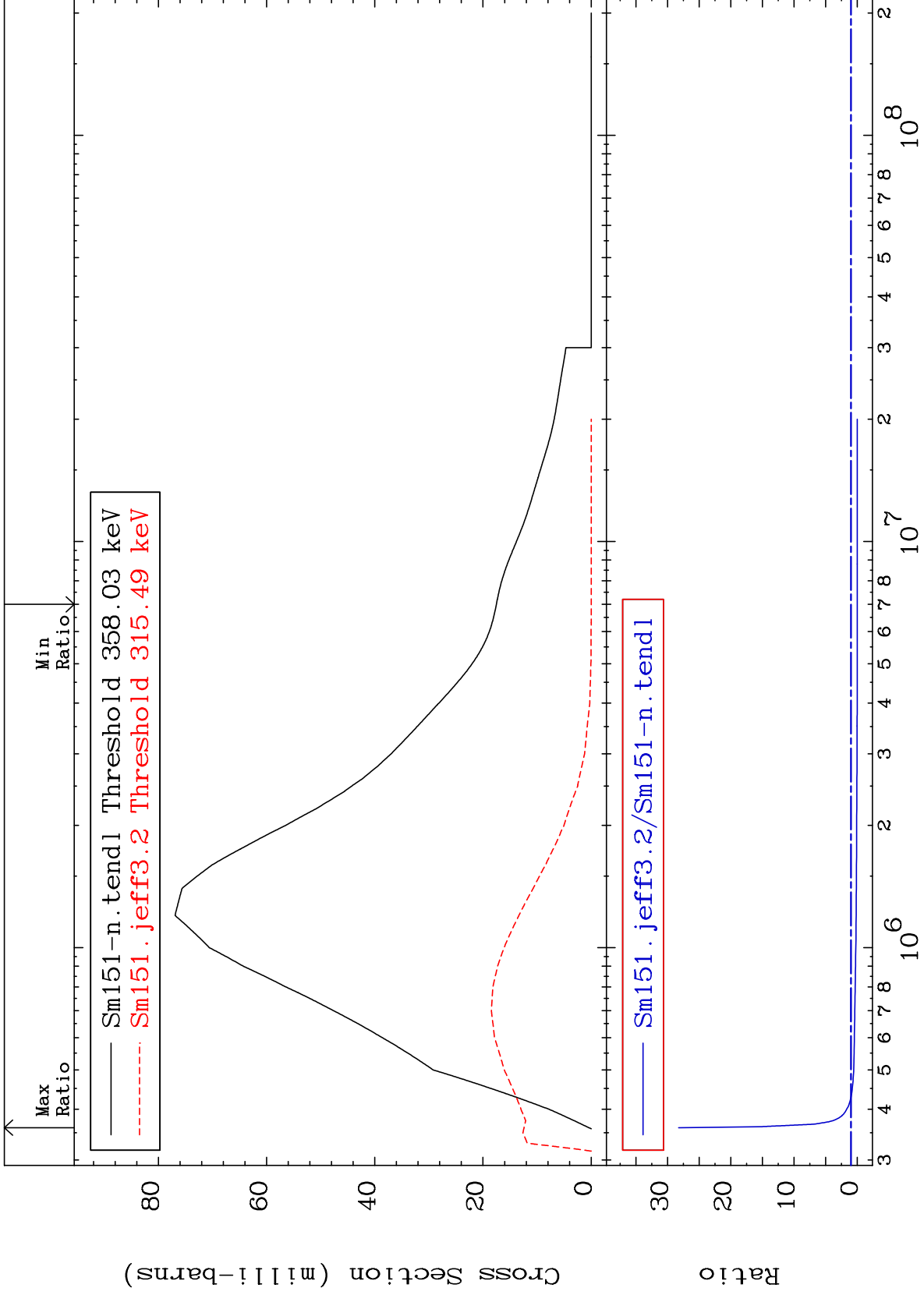
Incident Energy (eV)

62-Sm-151

MAT 6246

355.7 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 2724. %



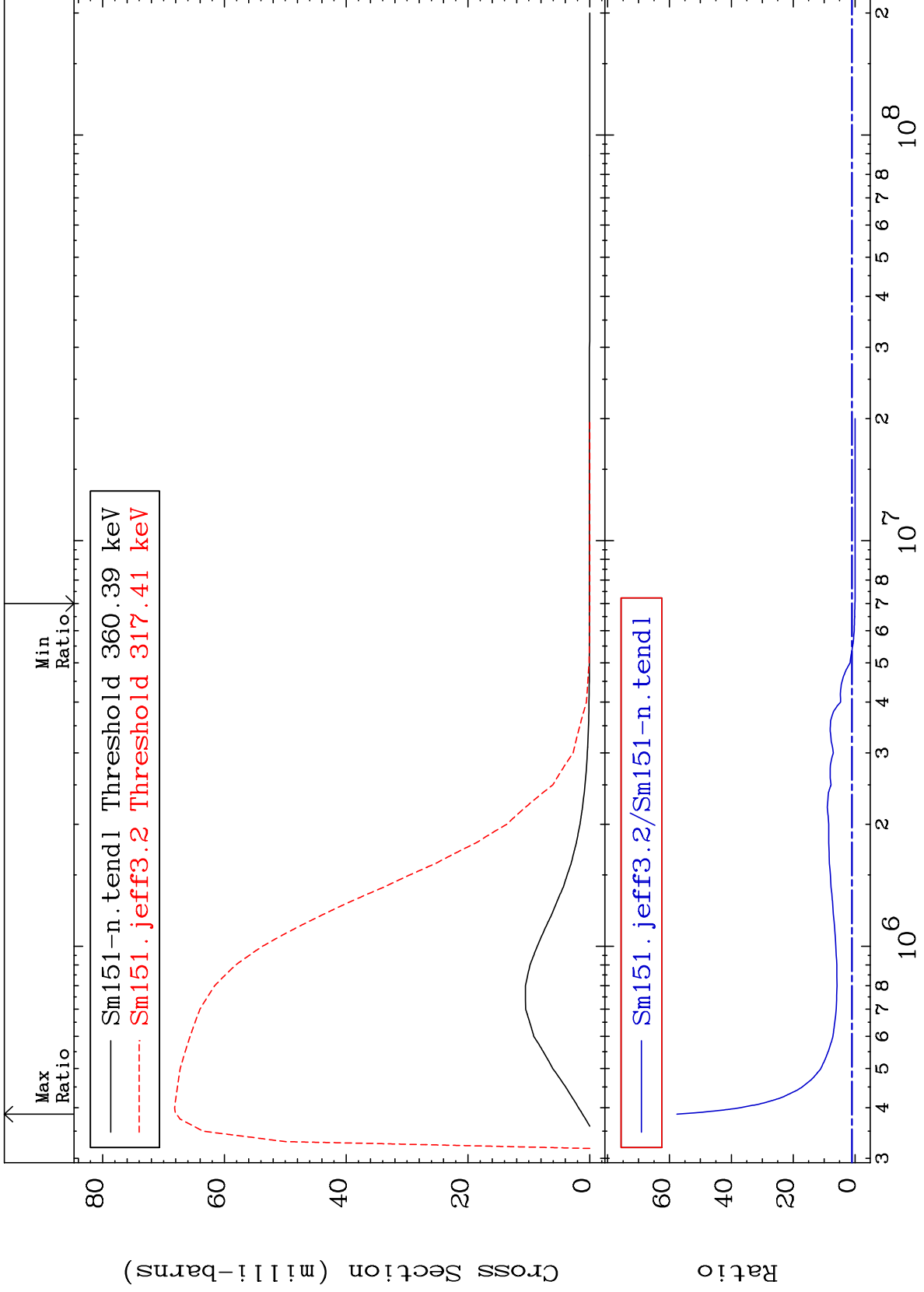
25

62-Sm-151

MAT 6246

358.0 keV (n,n') Level
Cross Section

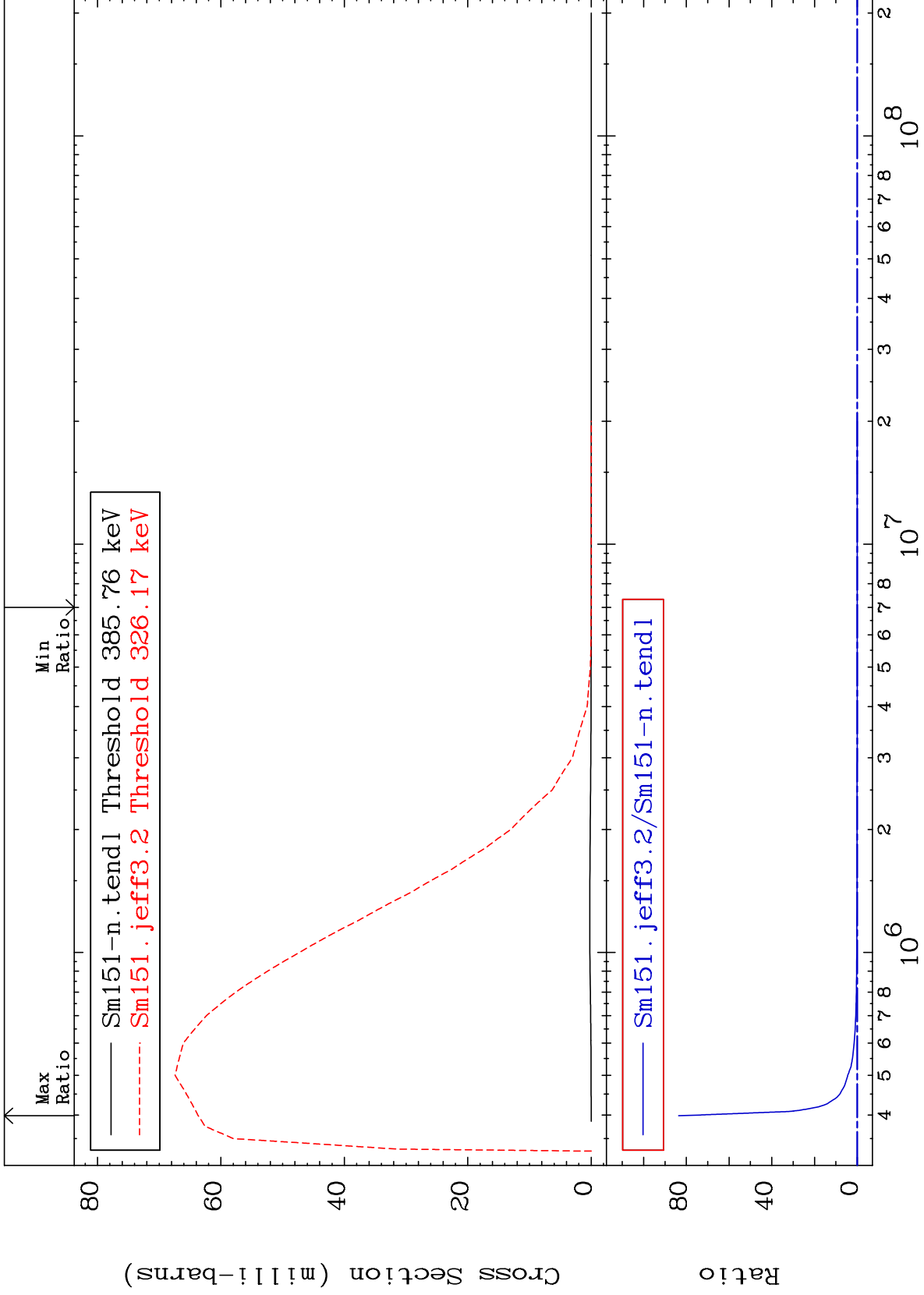
62-Sm-151
-100.0 To 5660. %



MAT 6246

383.2 keV (n,n') Level
Cross Section

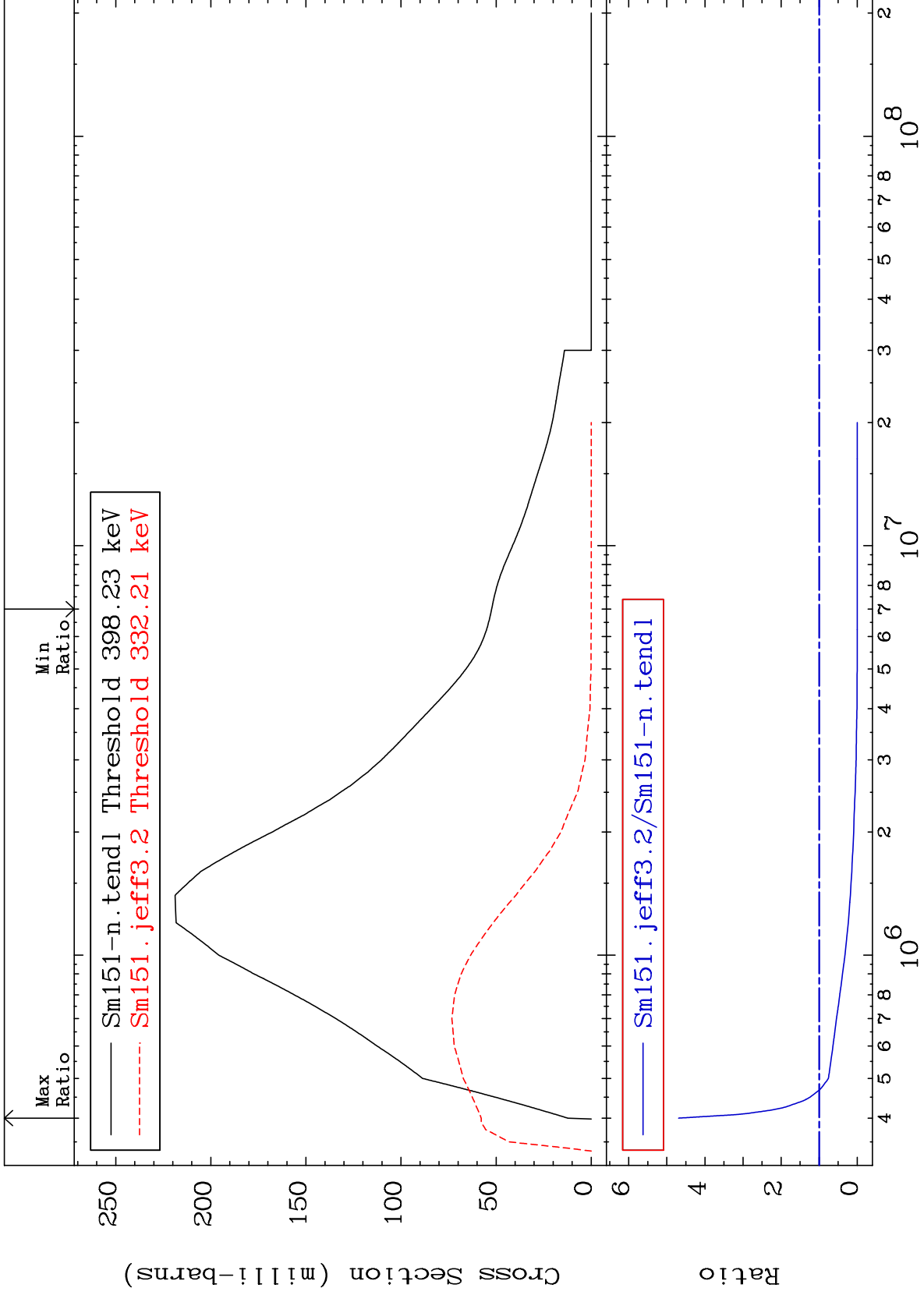
62-Sm-151
-100.0 To 9999. %



MAT 6246

395.6 keV (n,n') Level
Cross Section

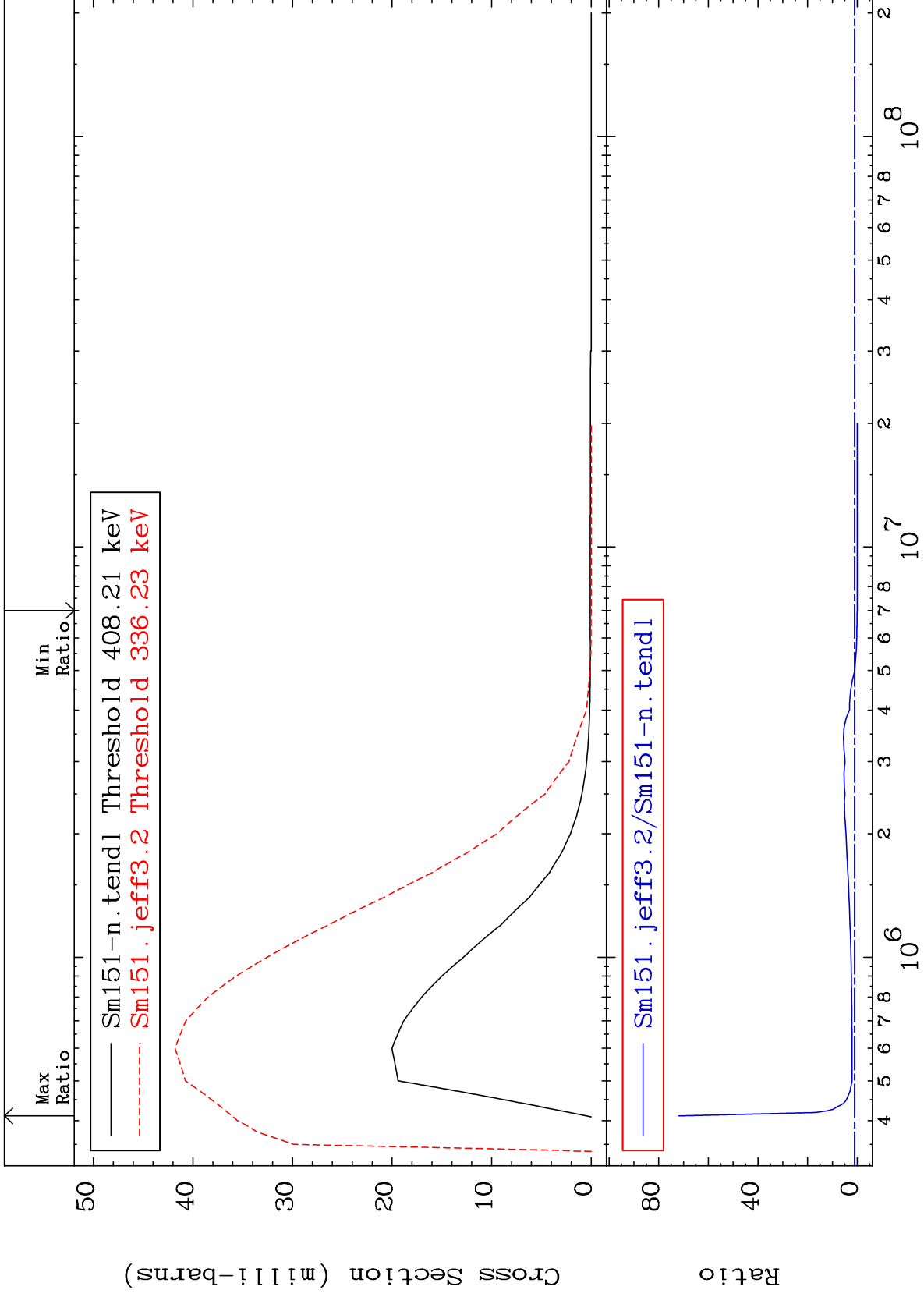
62-Sm-151
-100.0 To 369.0 %



MAT 6246

405.5 keV (n,n') Level
Cross Section

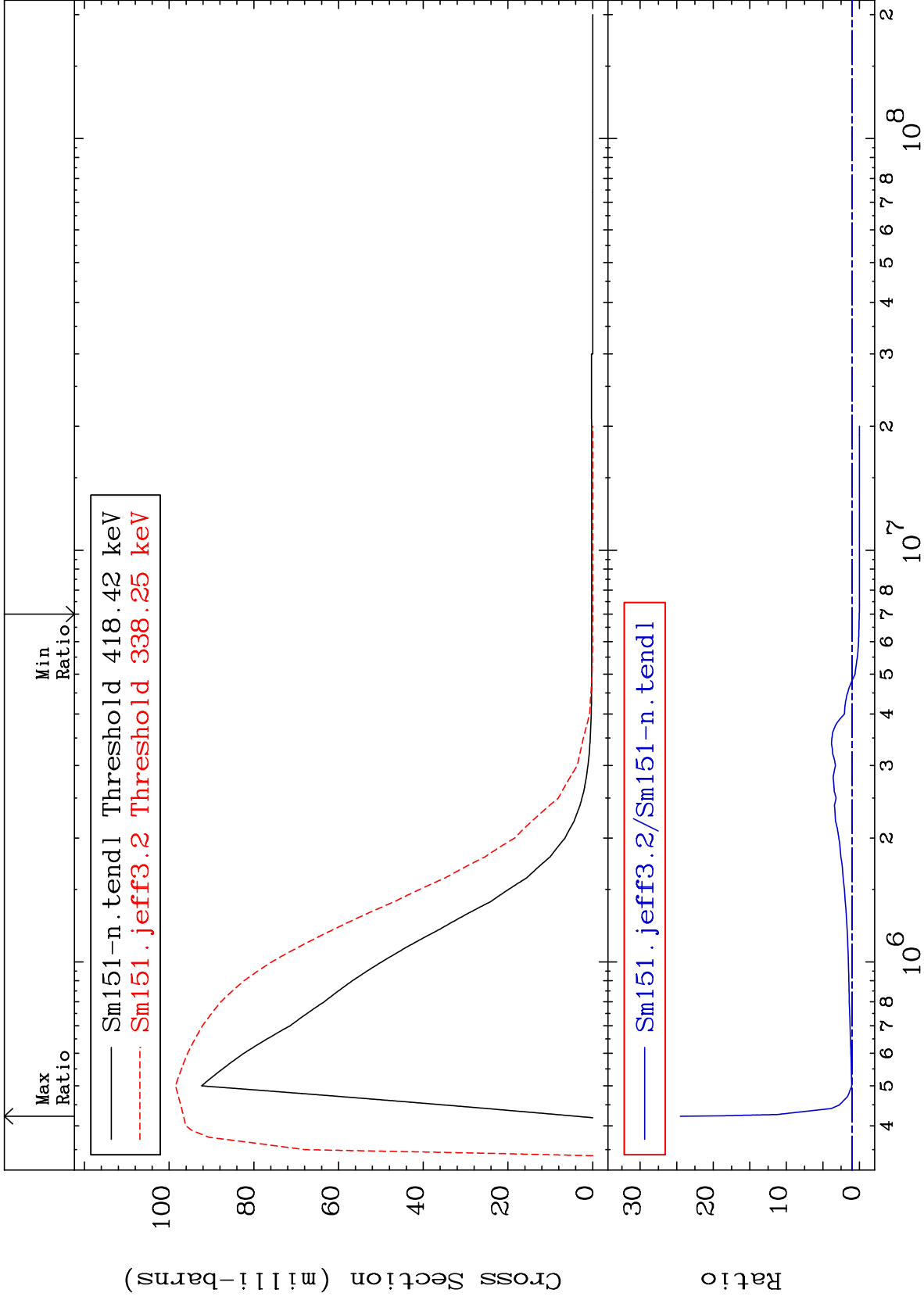
62-Sm-151
-100.0 To 7096. %



MAT 6246

415.6 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 2350. %



30

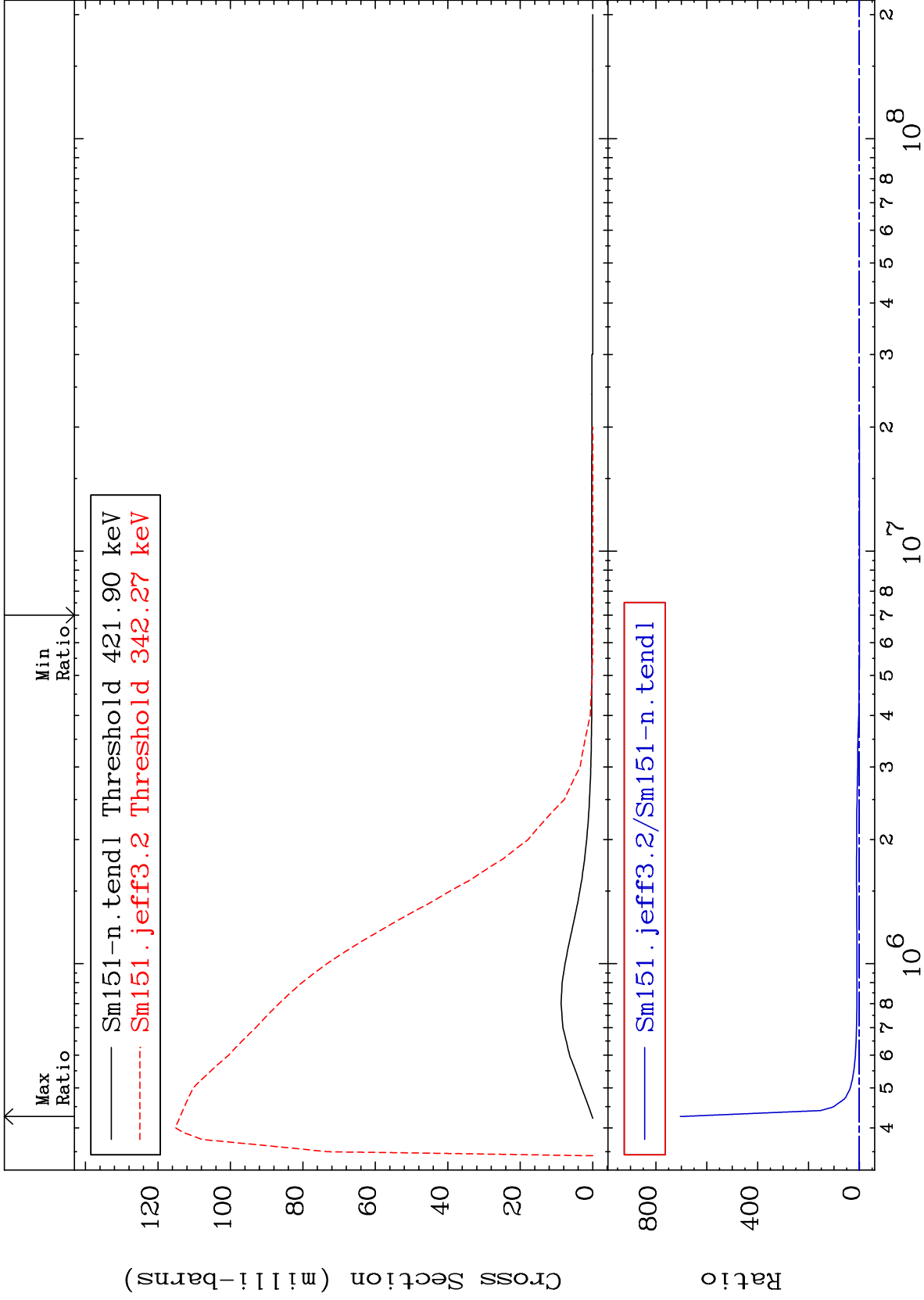
Incident Energy (eV)

62-Sm-151

MAT 6246

419.1 keV (n,n') Level
Cross Section

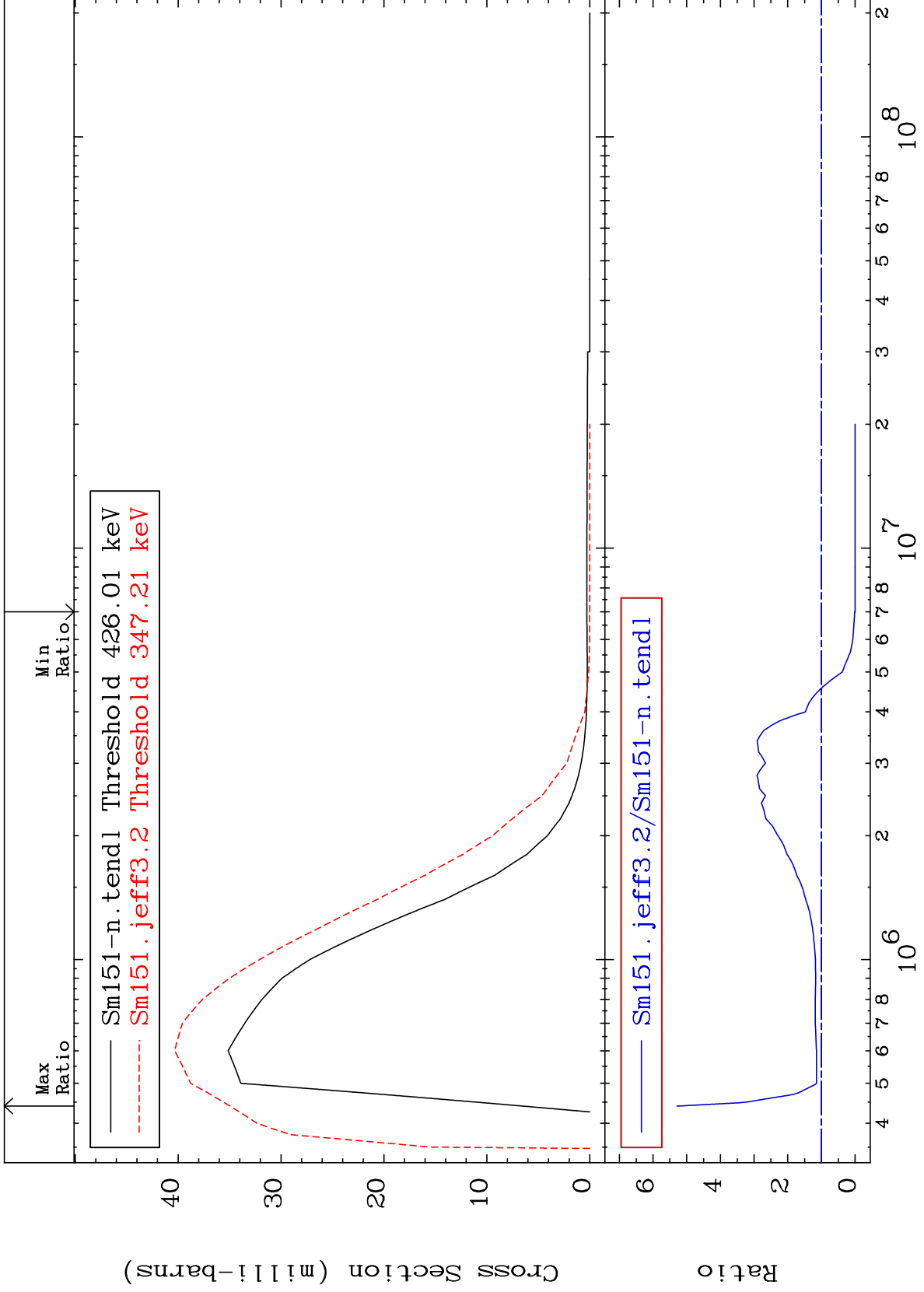
62-Sm-151
-100.0 To 9999. %



MAT 6246

423.2 keV (n,n') Level
Cross Section

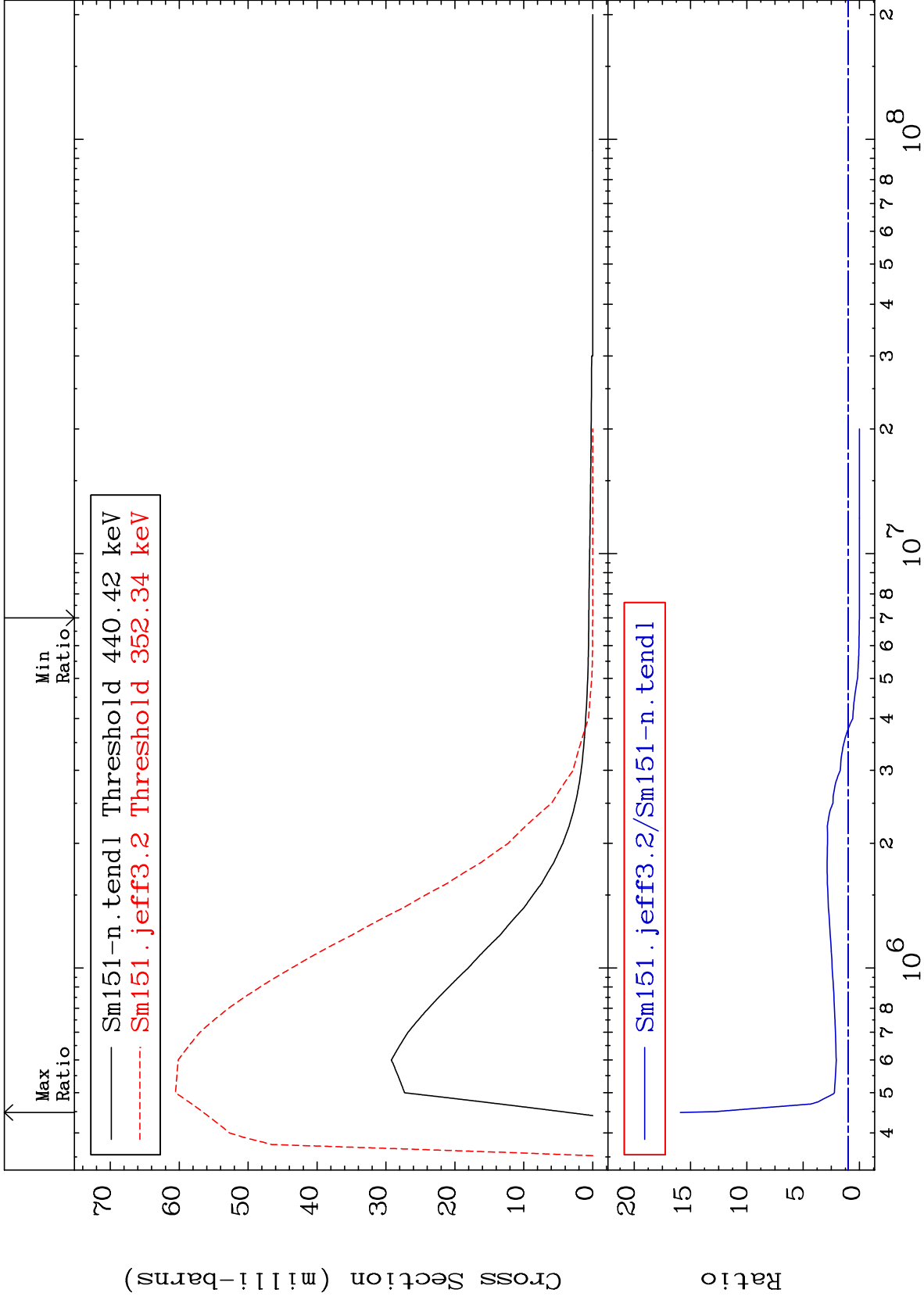
62-Sm-151
-100.0 To 429.1 %



MAT 6246

437.5 keV (n,n') Level
Cross Section

62-Sm-151
-100.0 To 1490. %



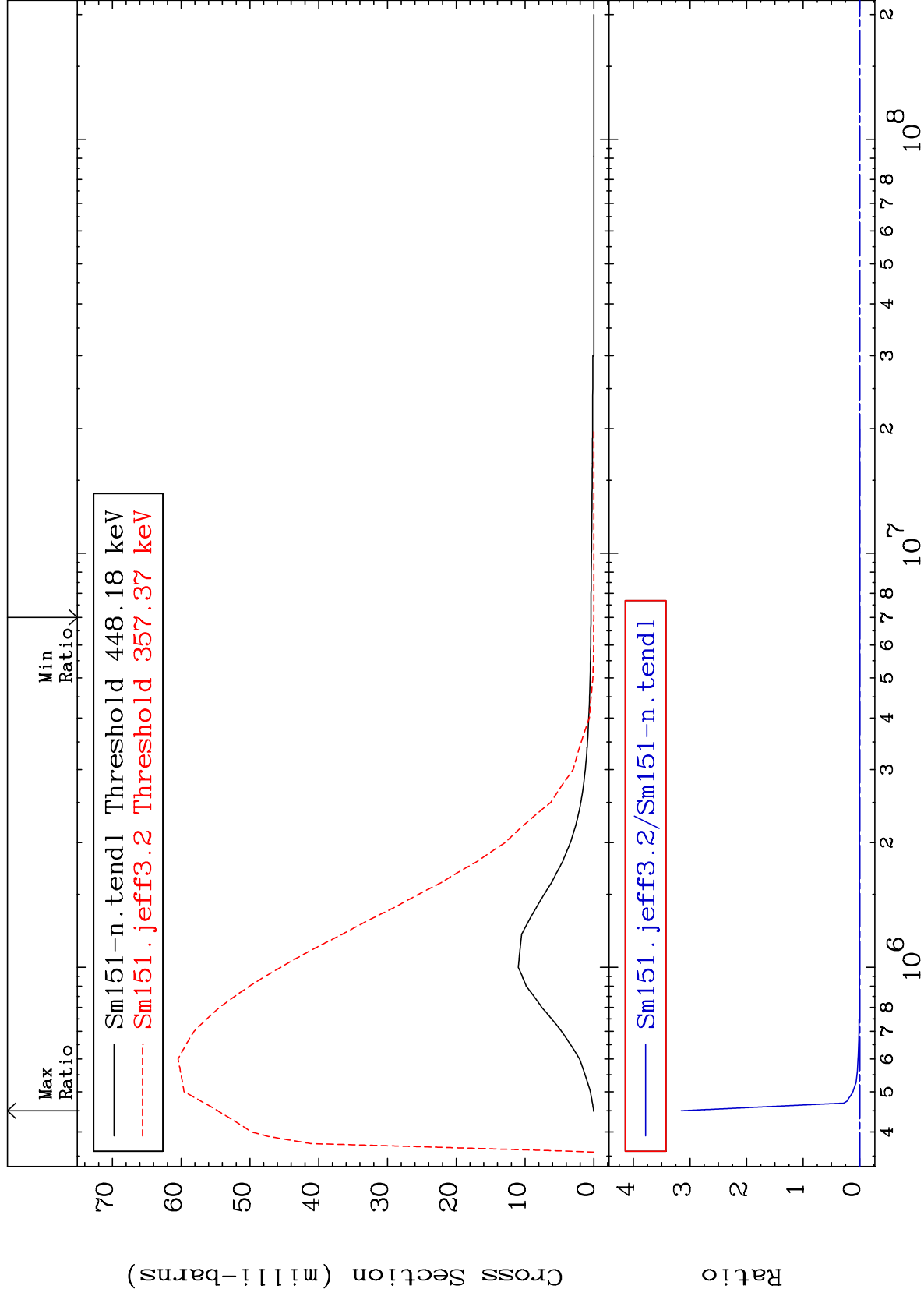
MAT 6246

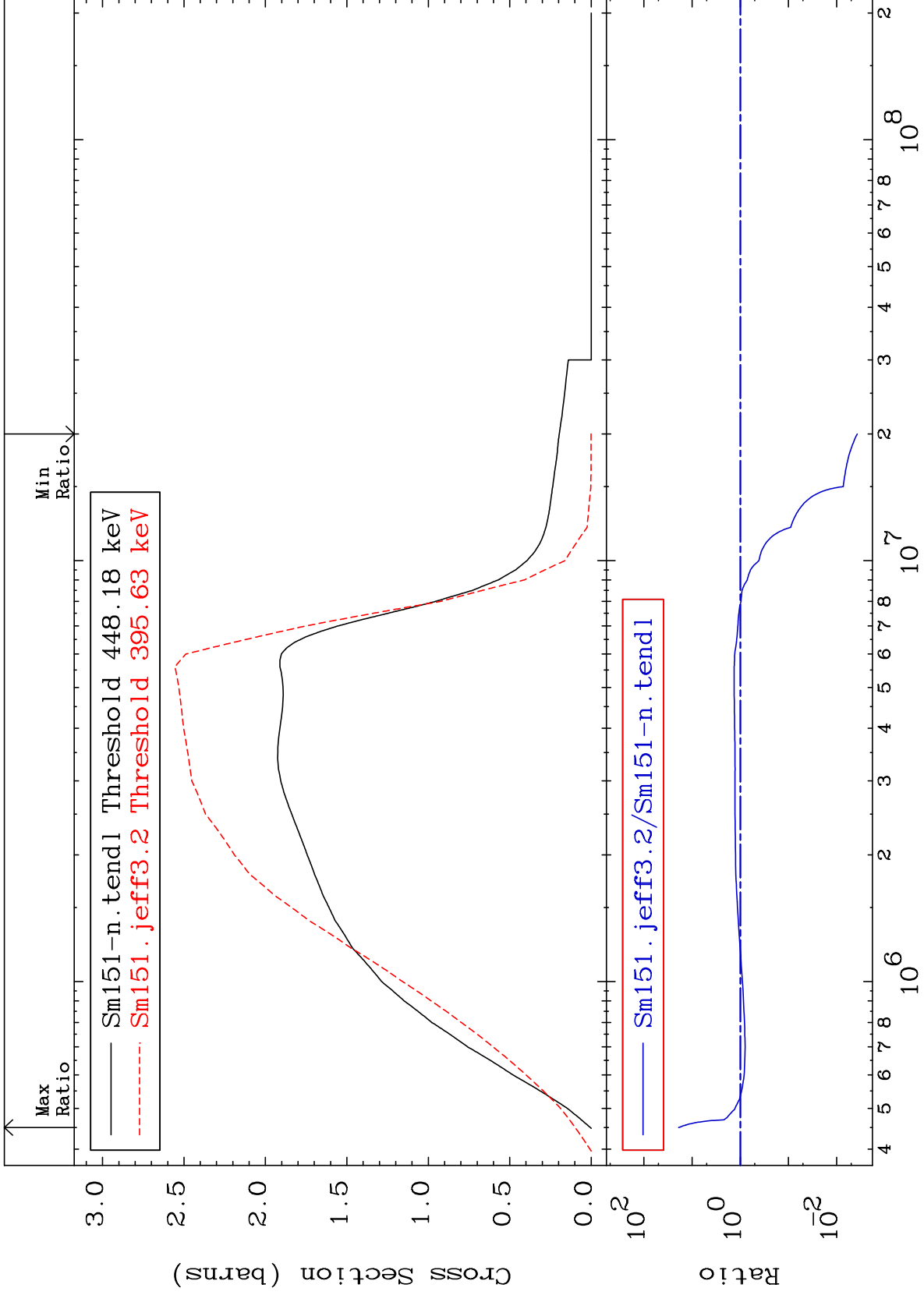
445.2 keV (n,n') Level

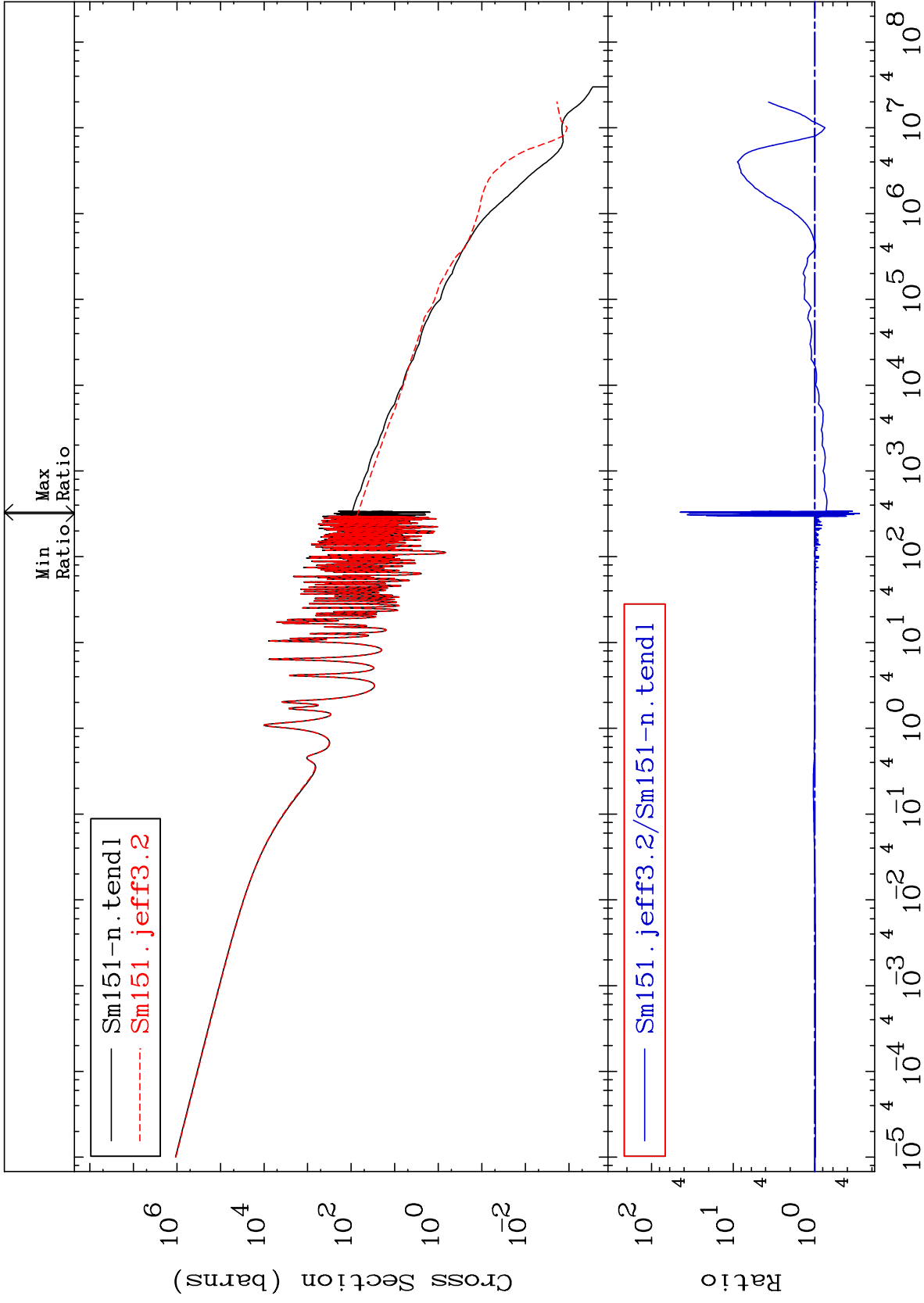
62-Sm-151

-100.0 To 9999. %

Cross Section







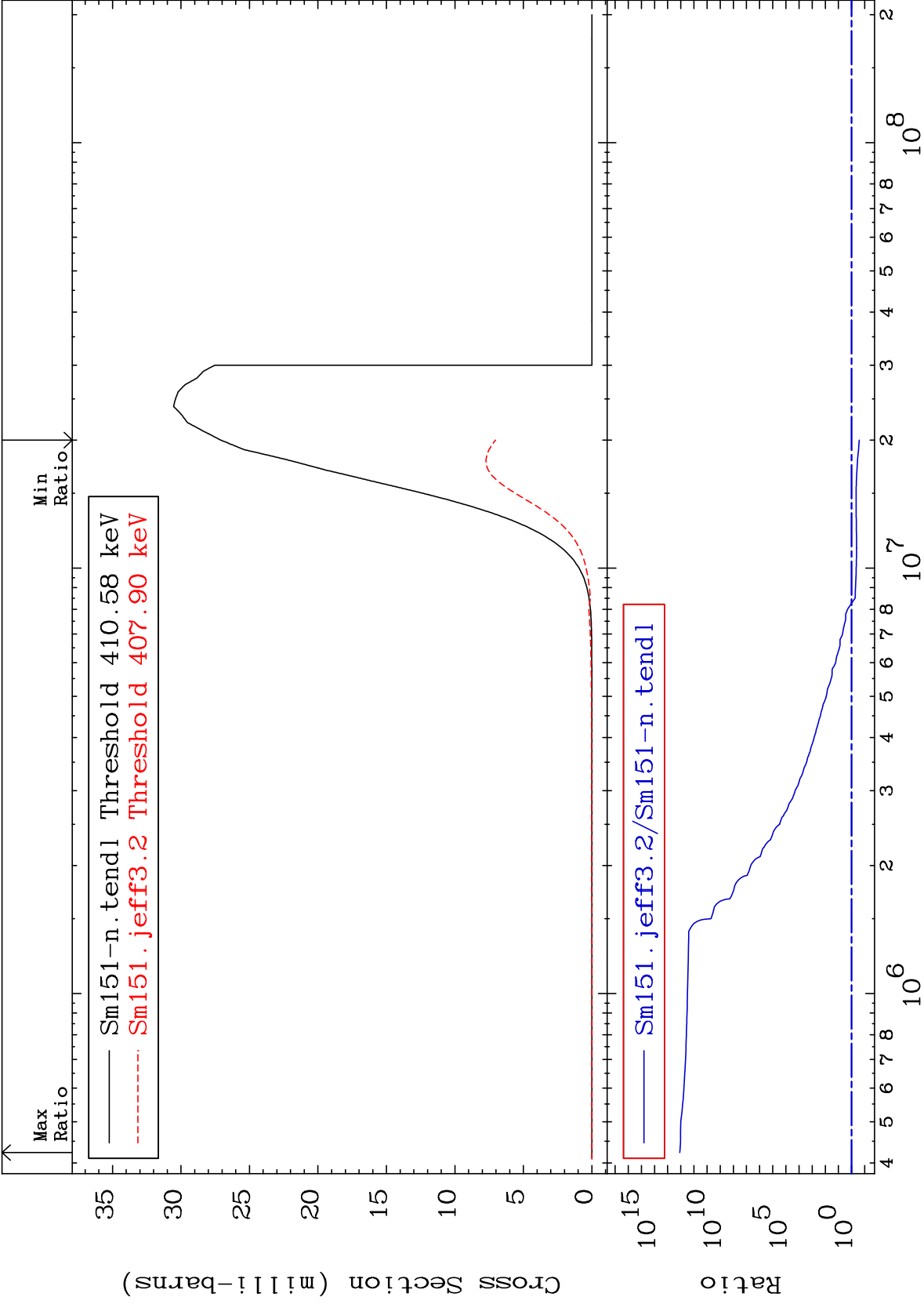
MAT 6246

(n, p)

62-Sm-151

Cross Section

-74.03 To 9999. %



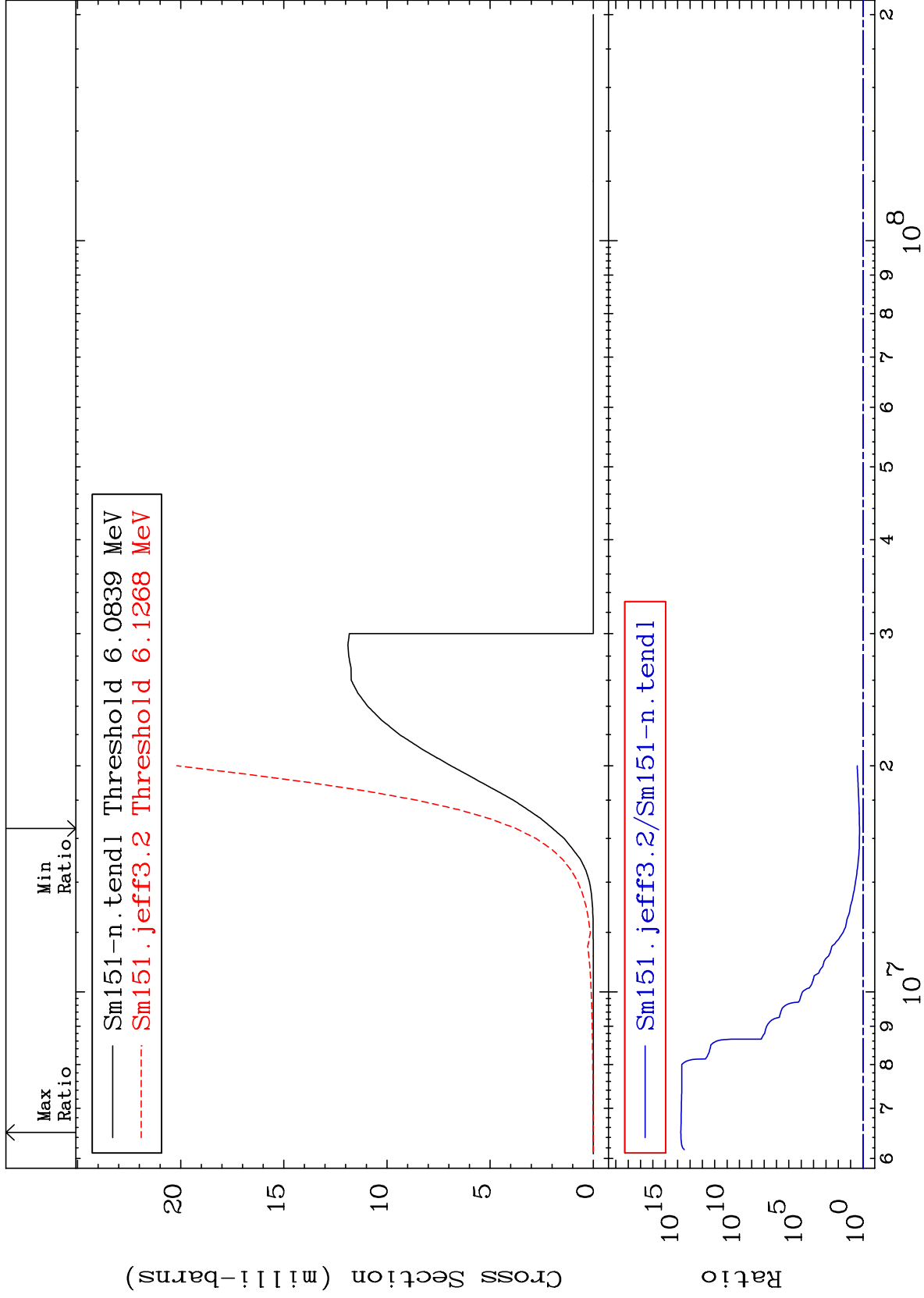
MAT 6246

(n, d)

62-Sm-151

Cross Section

90.20 To 9999. %



38

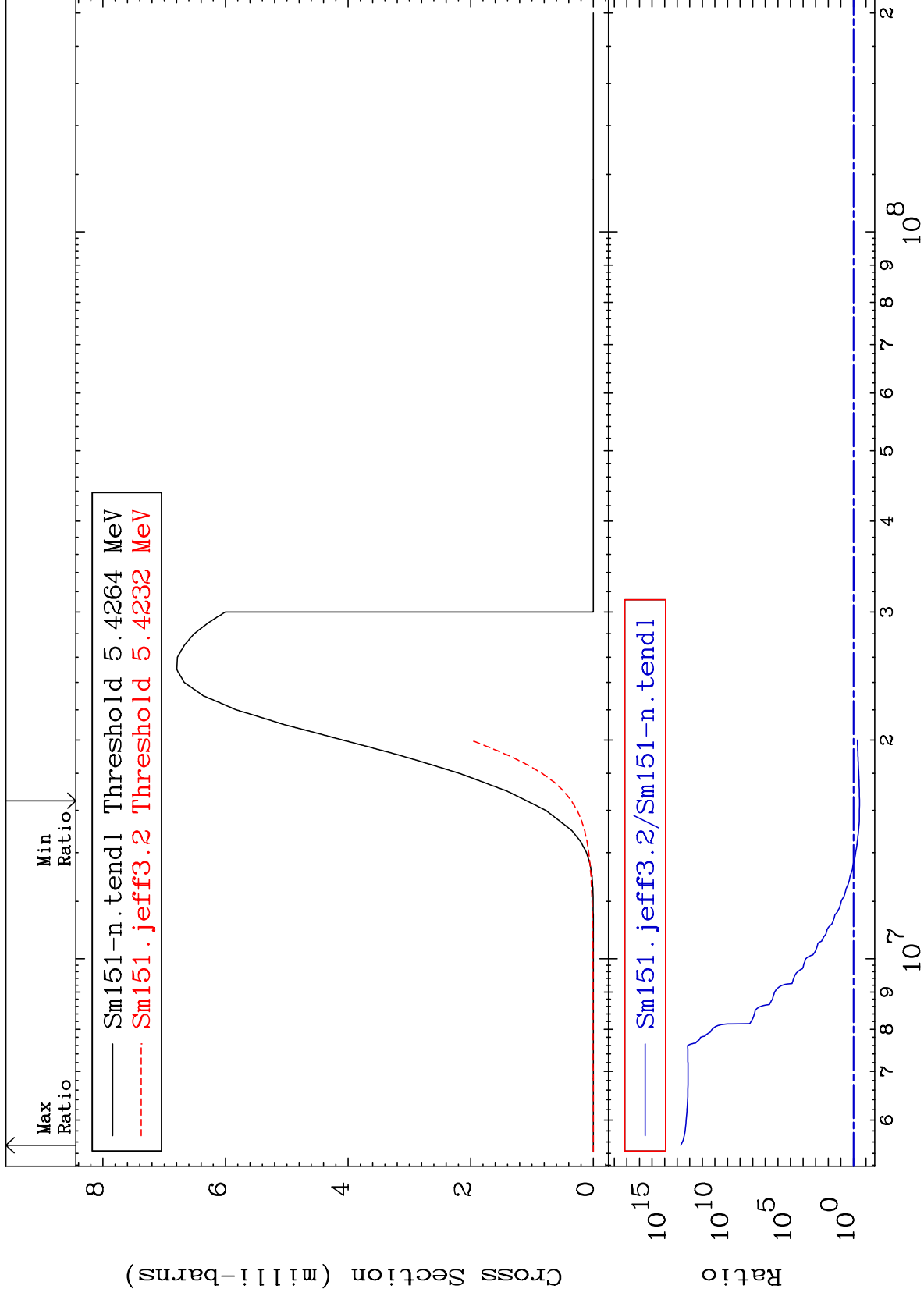
62-Sm-151

62-Sm-151

MAT 6246

(n, t)
Cross Section

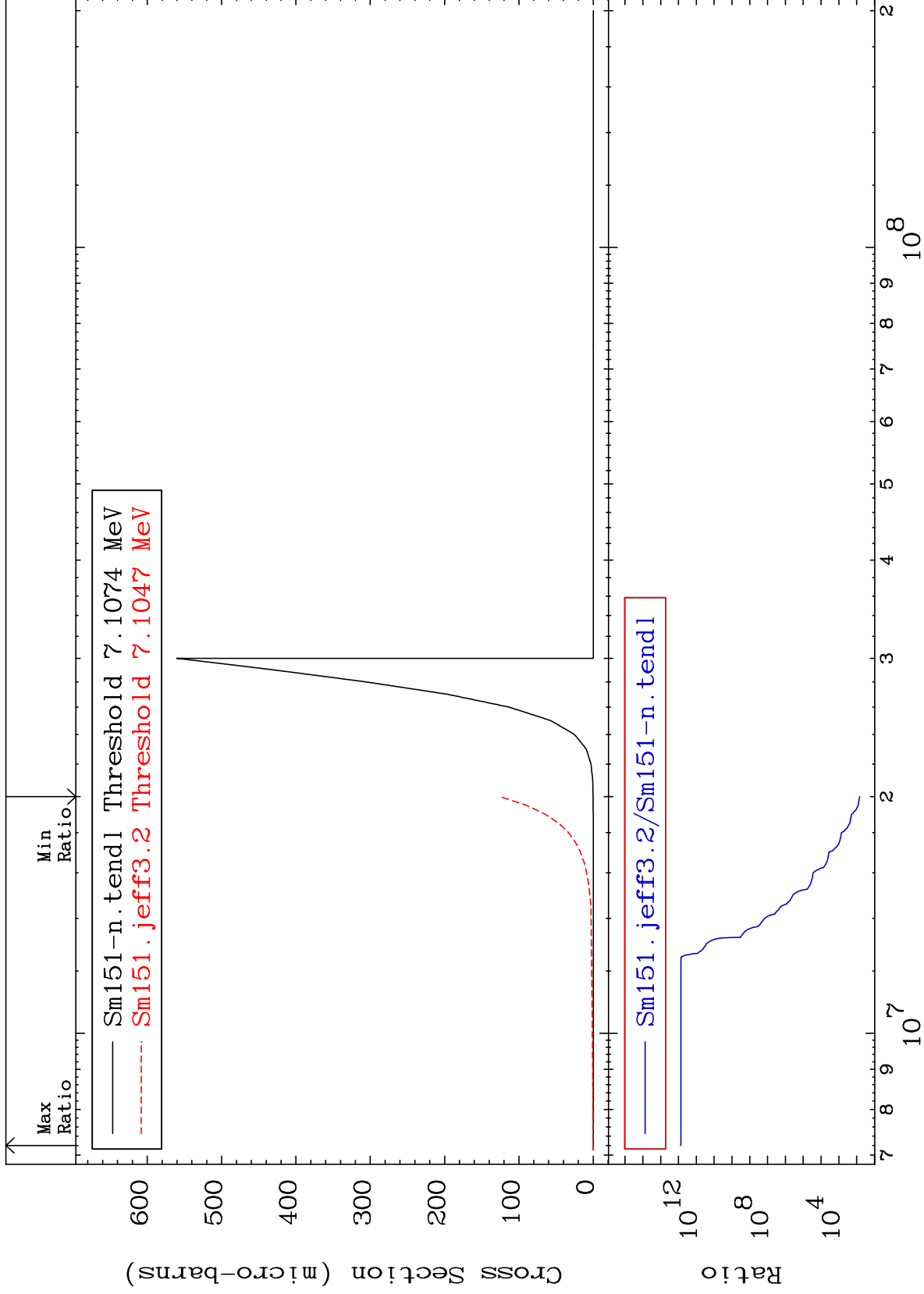
62-Sm-151
-67.26 To 9999. %



MAT 6246

(n, He-3)
Cross Section

62-Sm-151
To 9999. %



40

Incident Energy (eV)

62-Sm-151

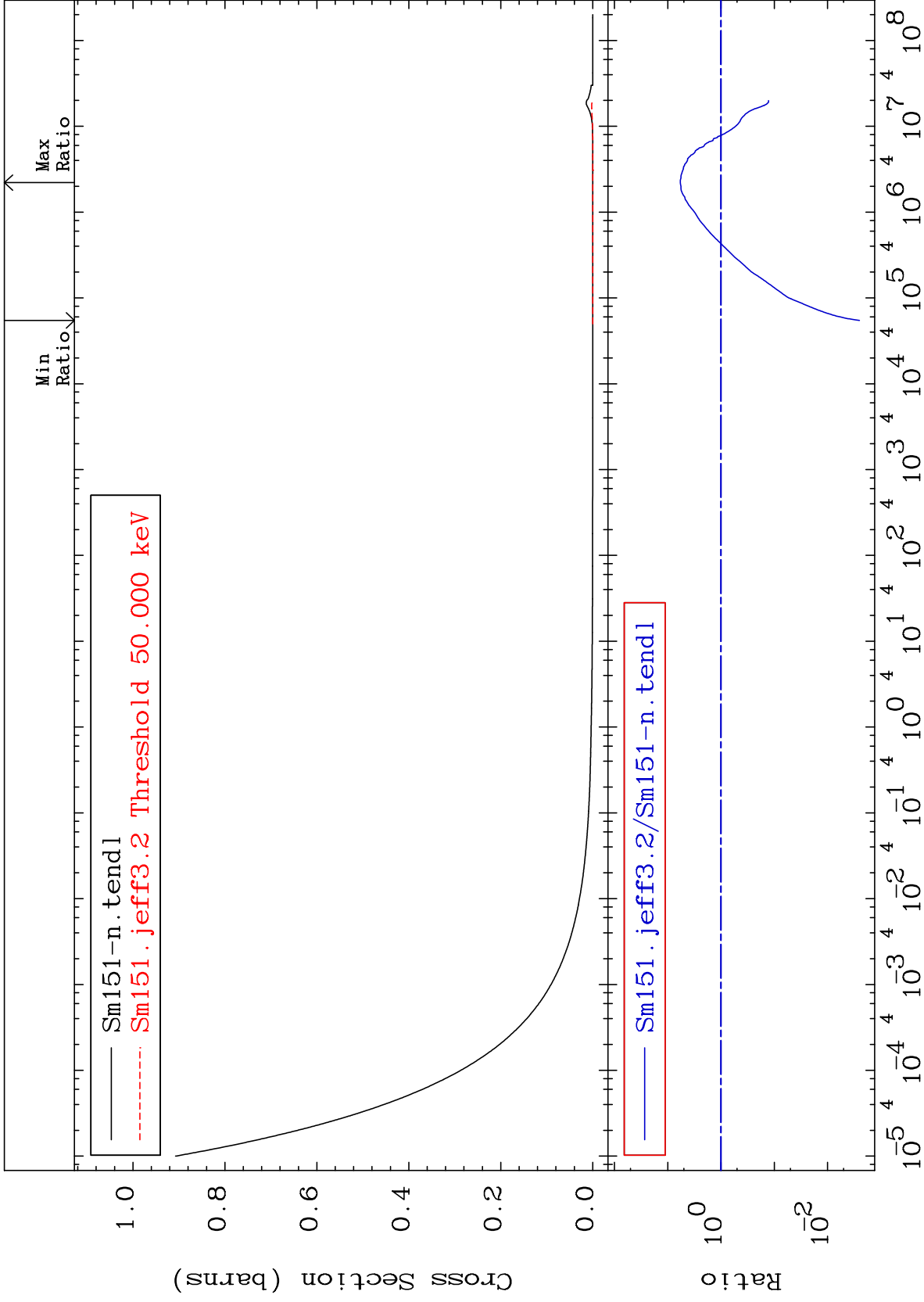
MAT 6246

(n, α)

62-Sm-151

Cross Section

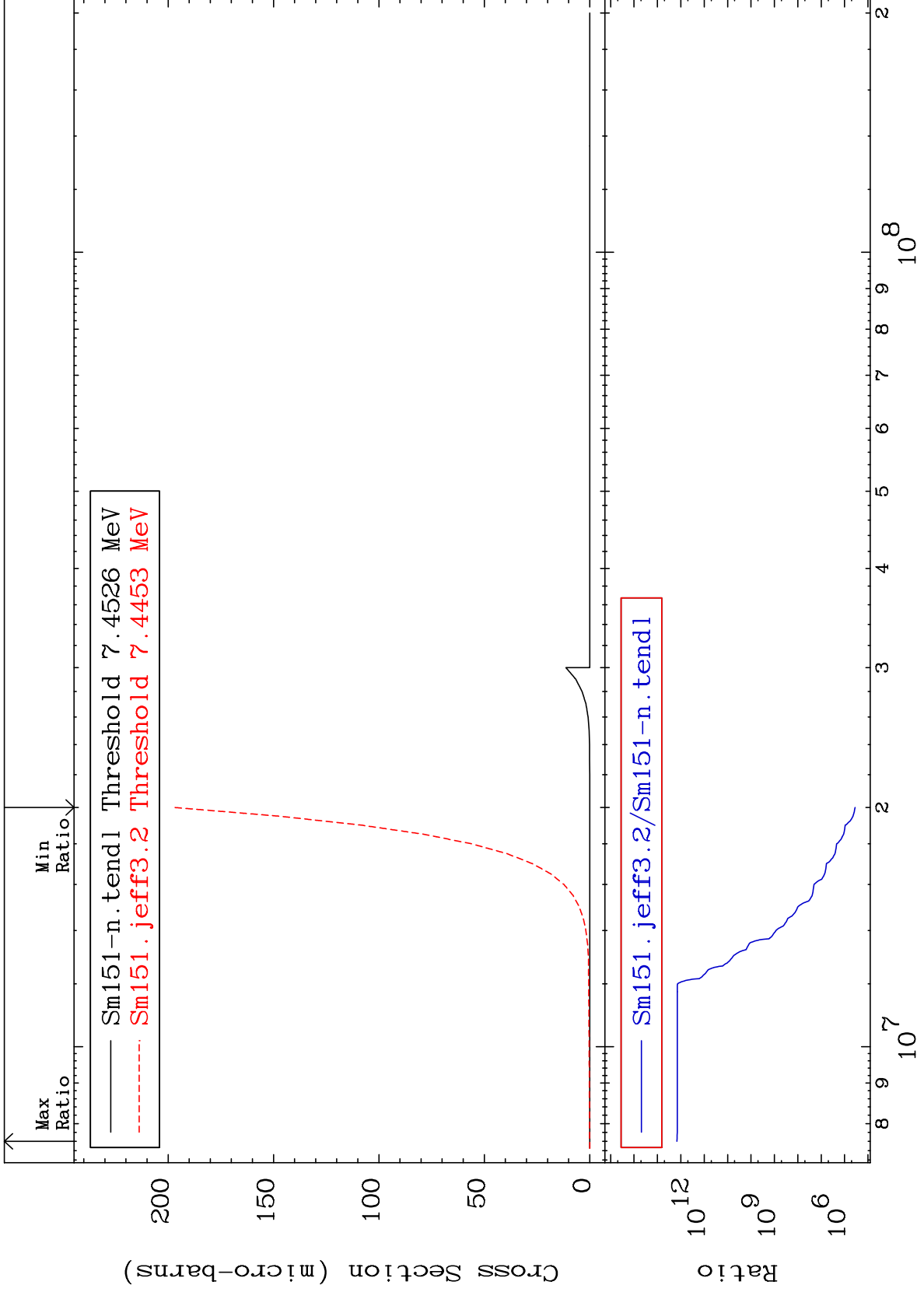
-99.75 To 480.5 %

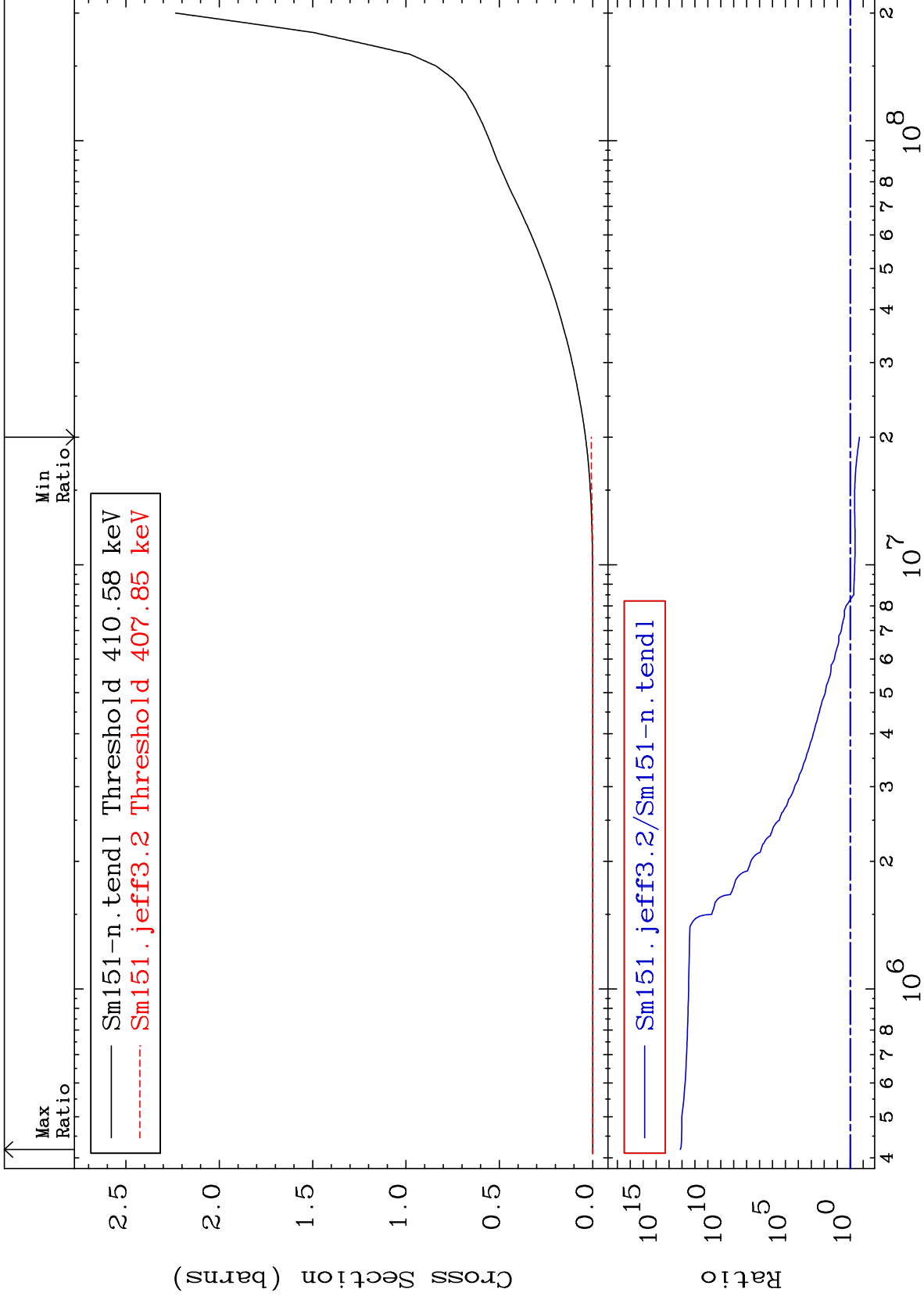


MAT 6246

(n,2p)
Cross Section

62-Sm-151
9999. To 9999. %

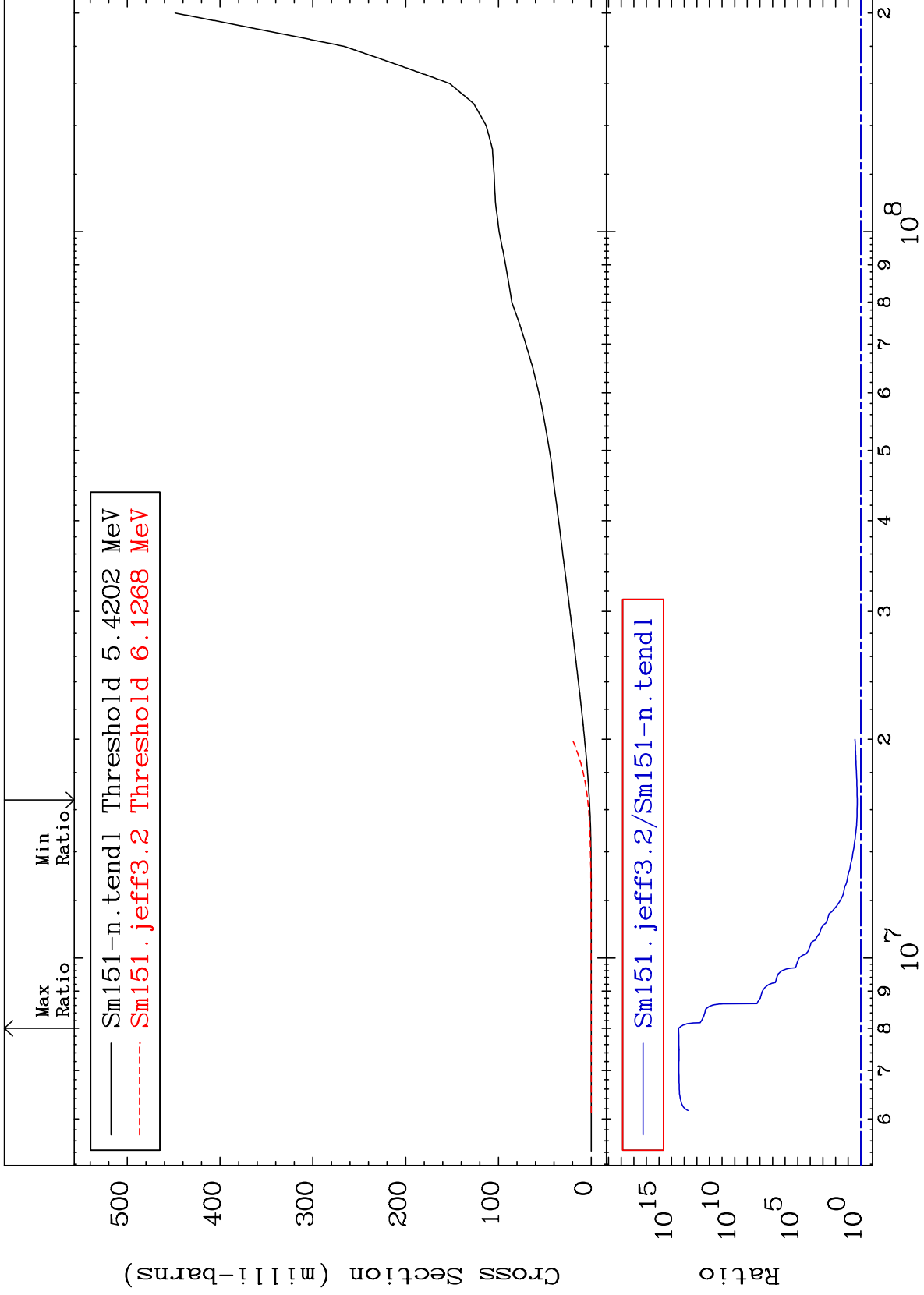




MAT 6246

Deuterium Production
Cross Section

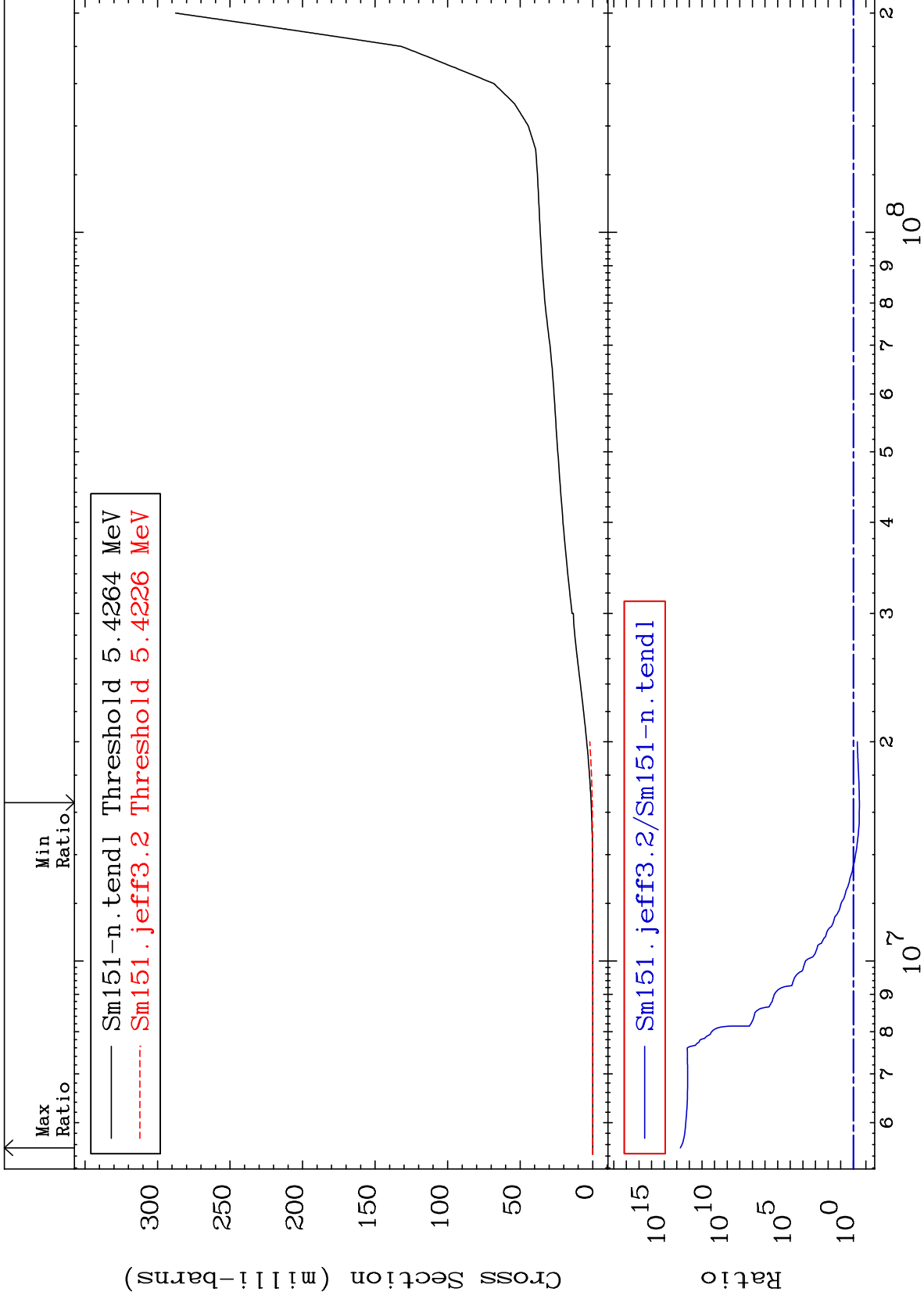
62-Sm-151
90.18 To 9999. %



MAT 6246

Tritium Production
Cross Section

62-Sm-151
-67.26 To 9999. %



45

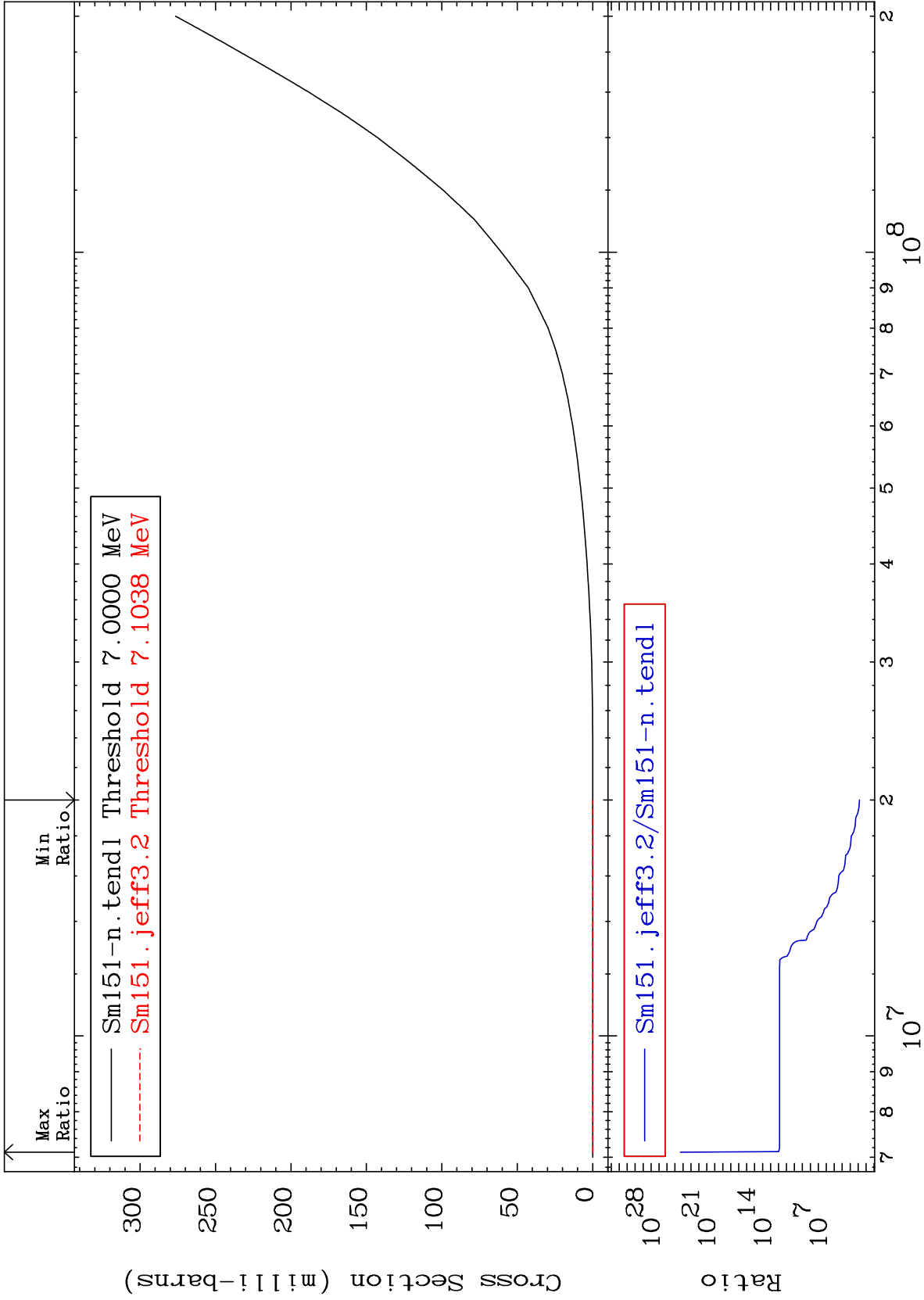
Incident Energy (eV)

62-Sm-151

MAT 6246

He-3 Production
Cross Section

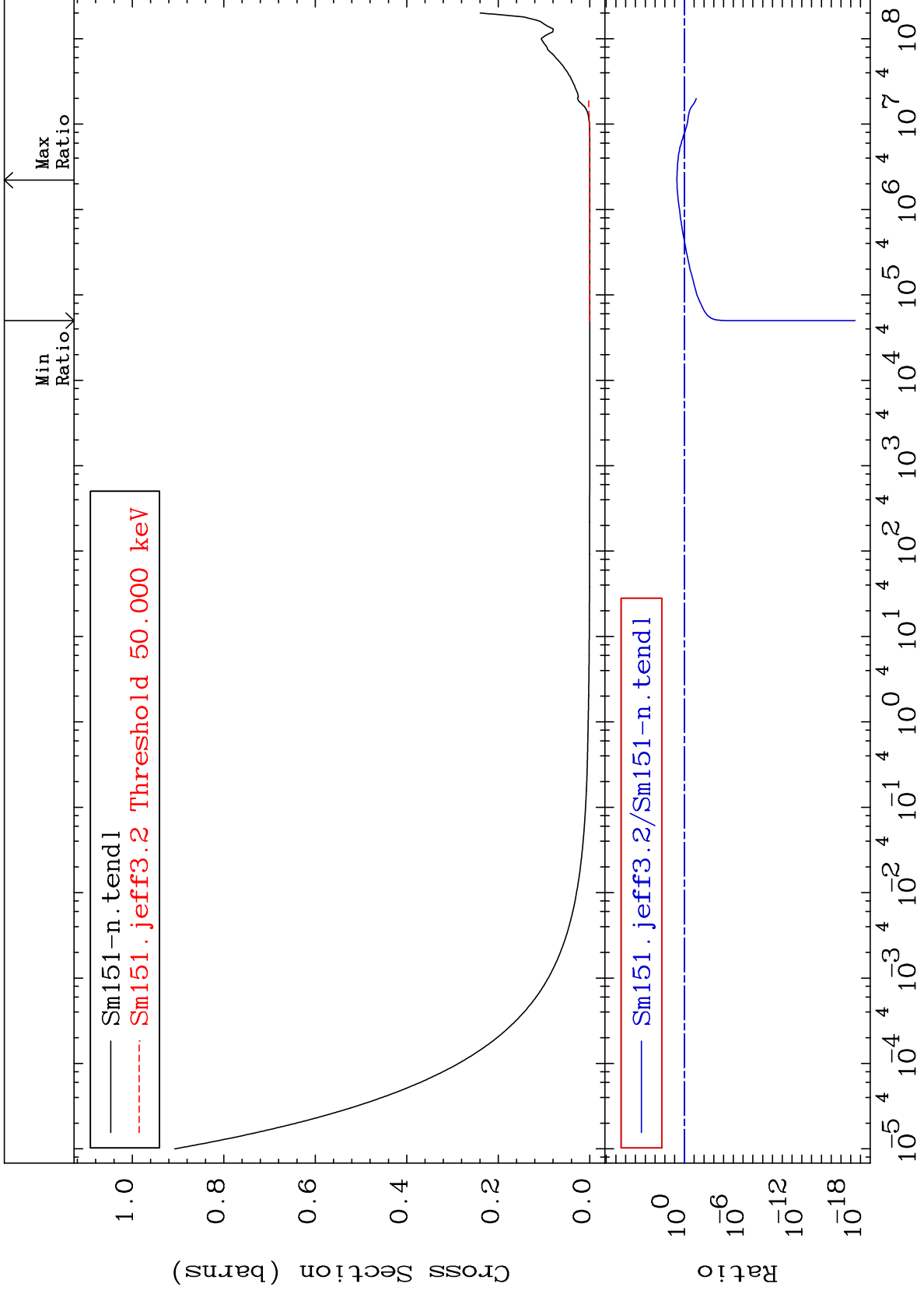
62-Sm-151
9999. To 9999. %

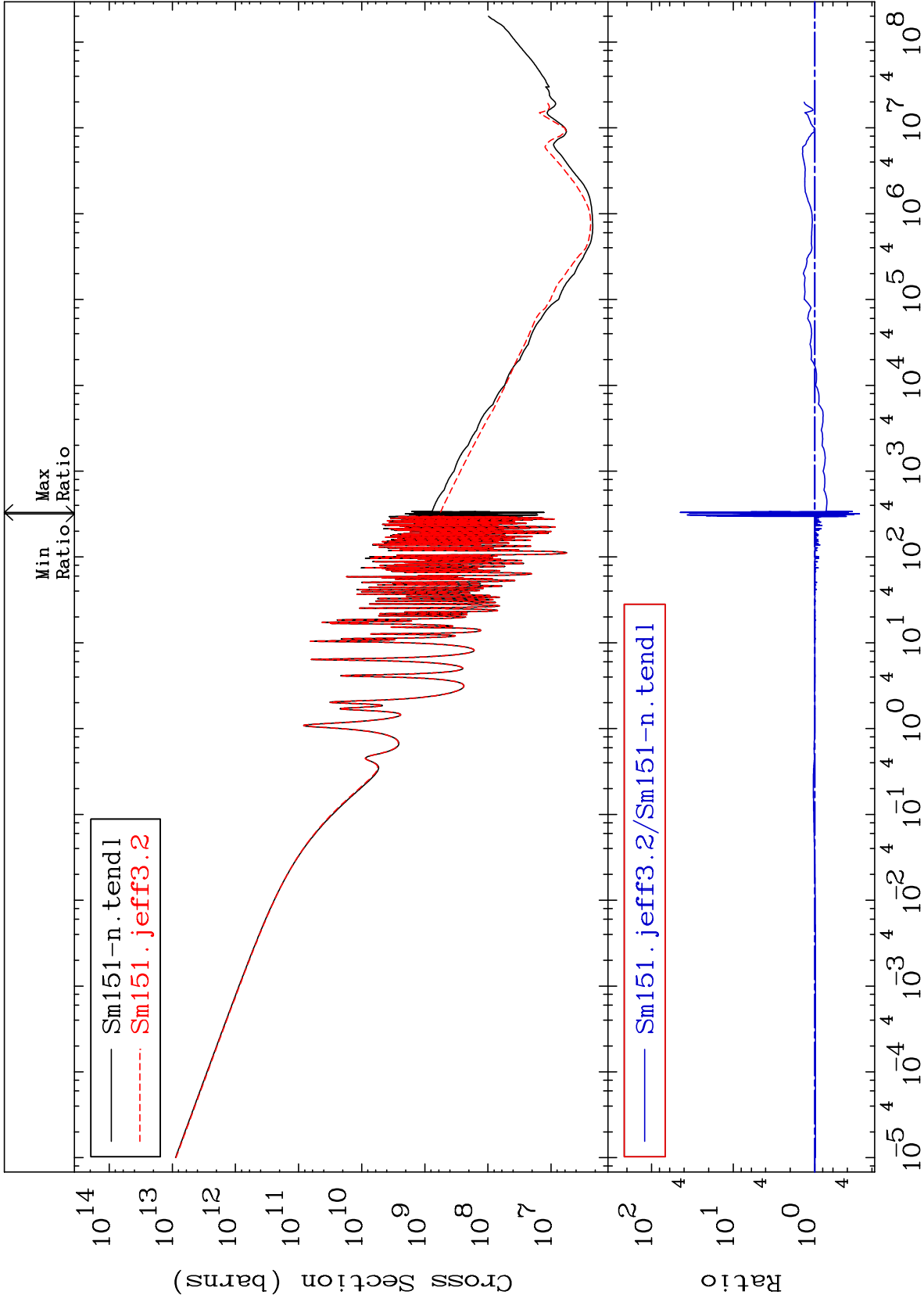


MAT 6246

He-4 Production
Cross Section

62-Sm-151
-100.0 To 480.5 %

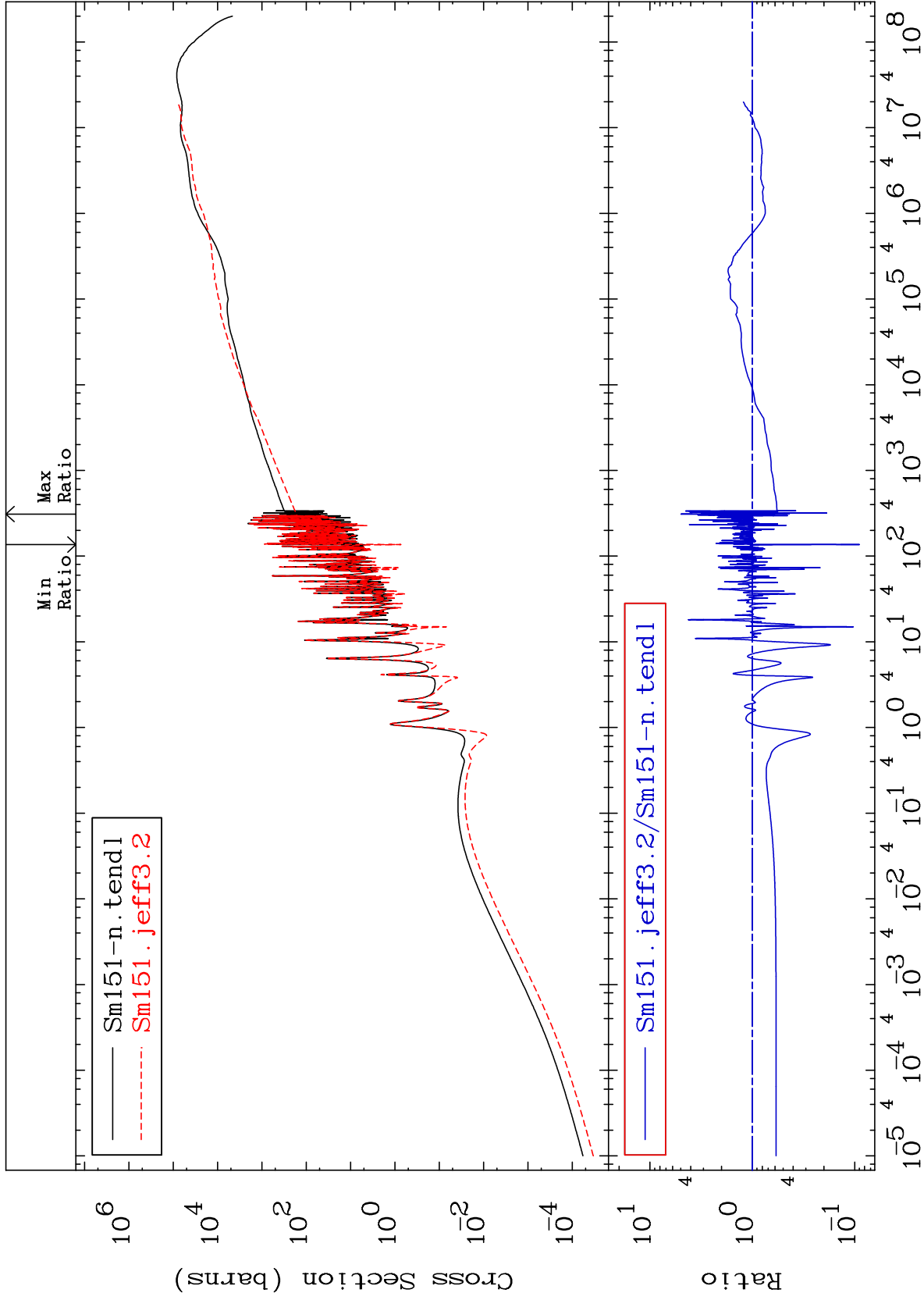


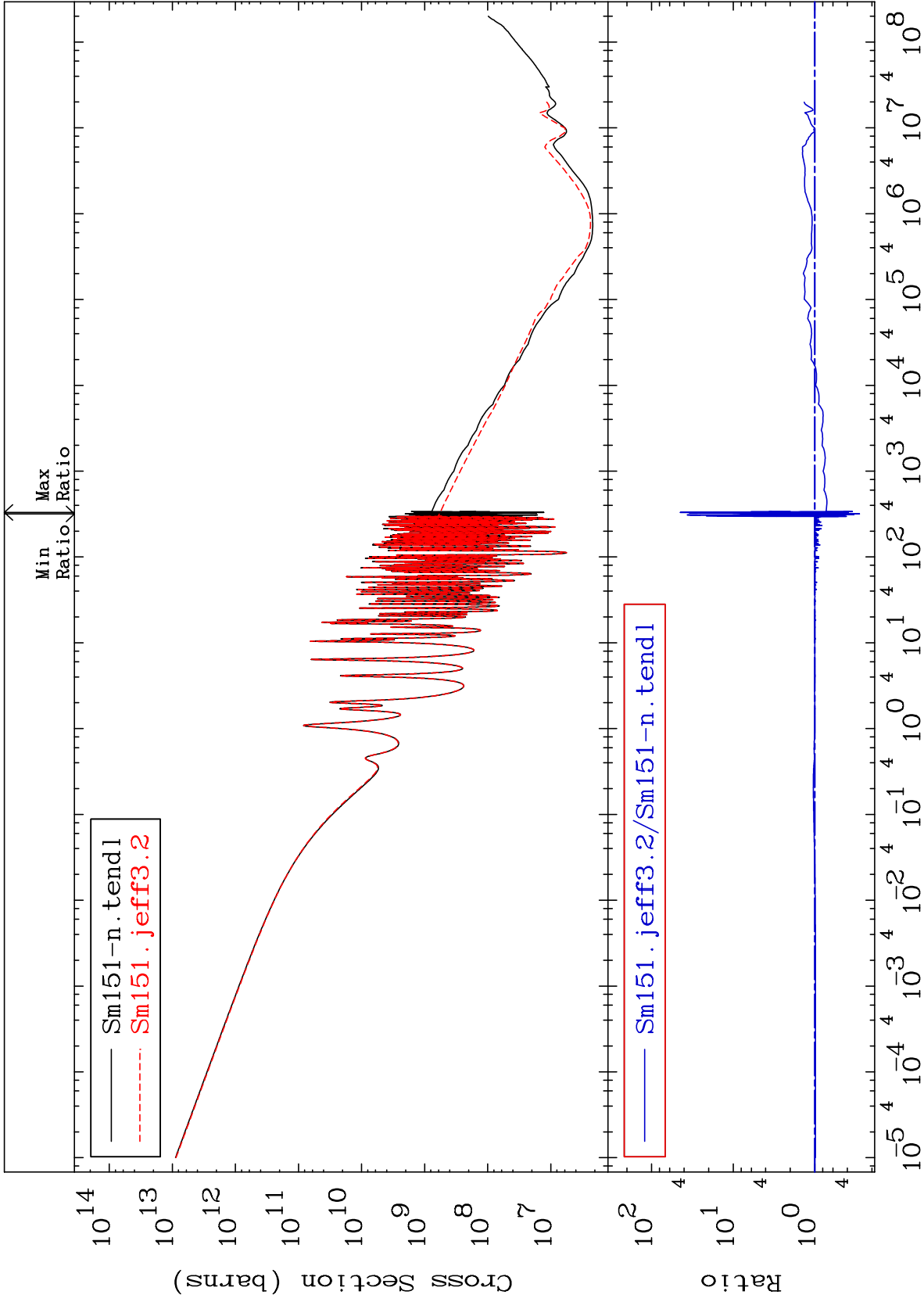


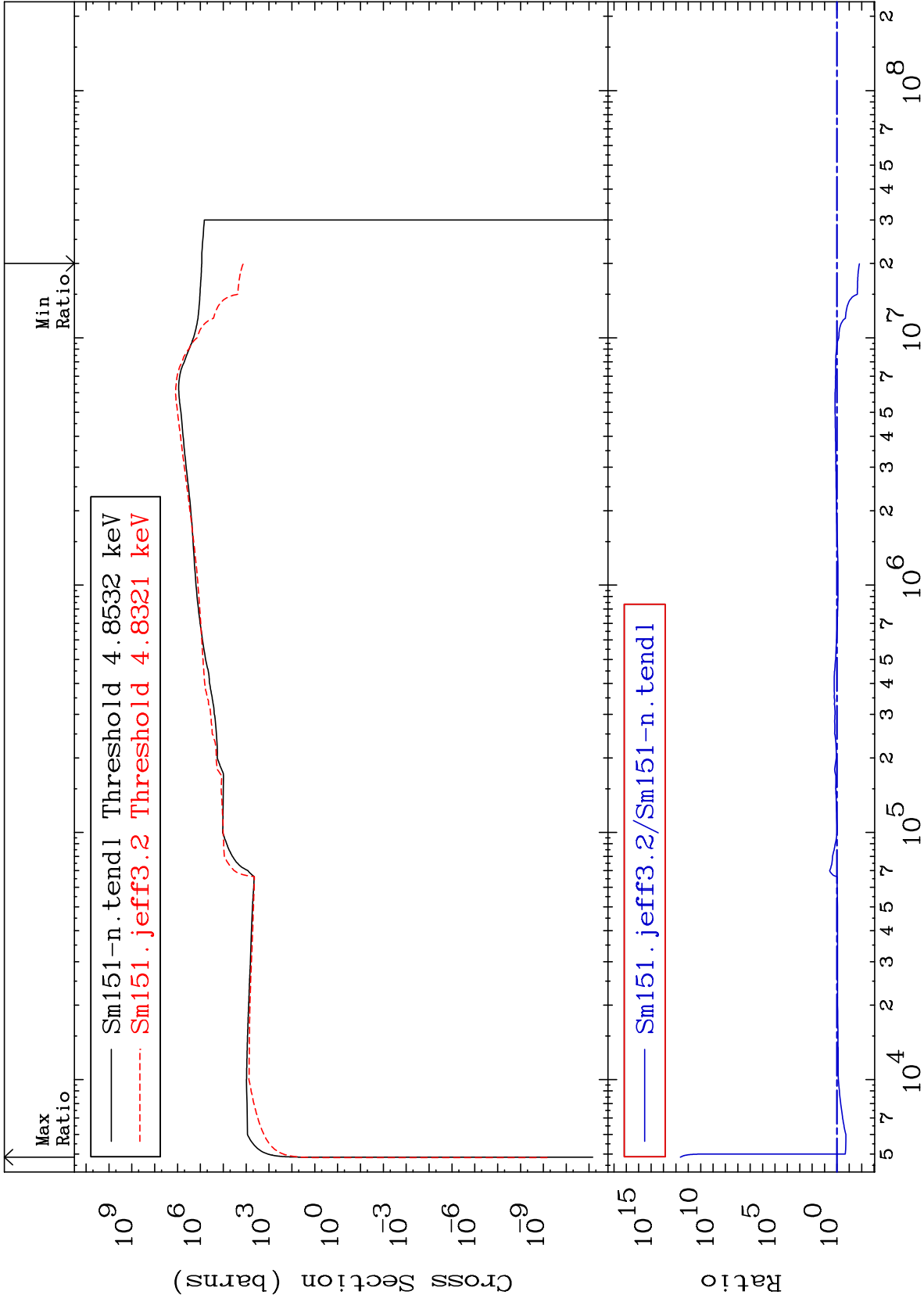
MAT 6246

Kerma elastic
Cross Section

62-Sm-151
-91.04 To 400.4 %



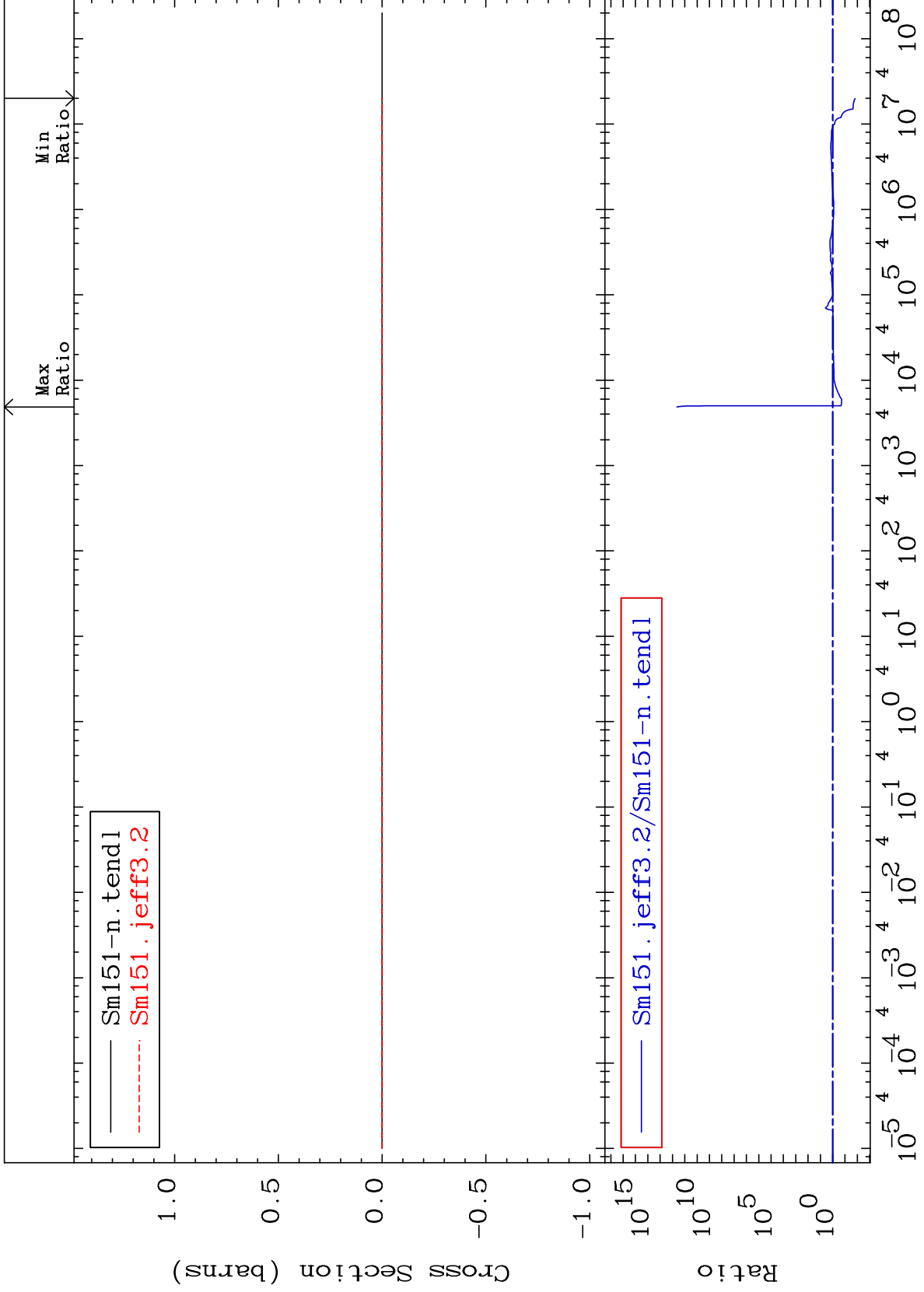




MAT 6246

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

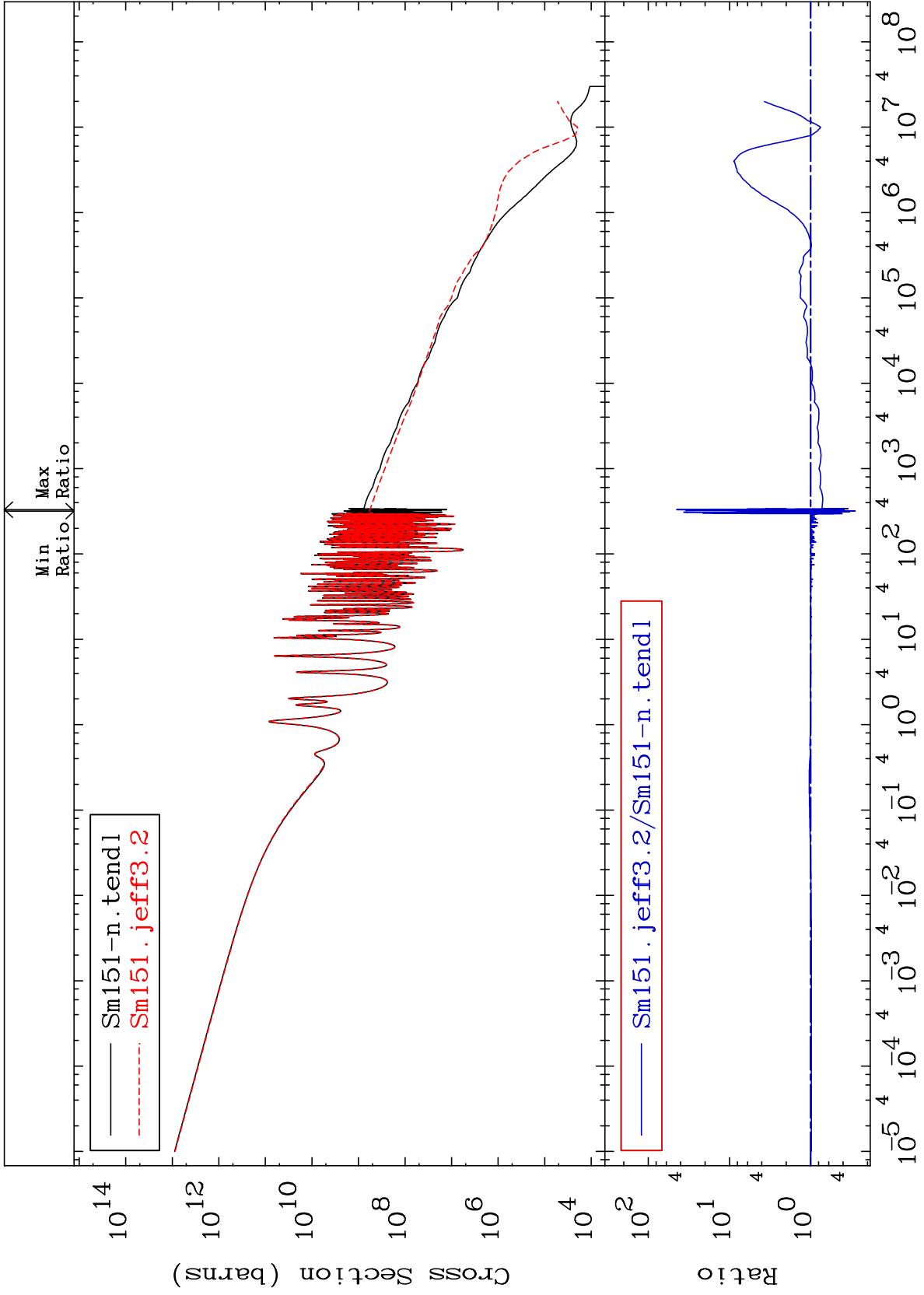
62-Sm-151
-98.48 To 9999. %



MAT 6246

Kerma capture (mt102)
Cross Section

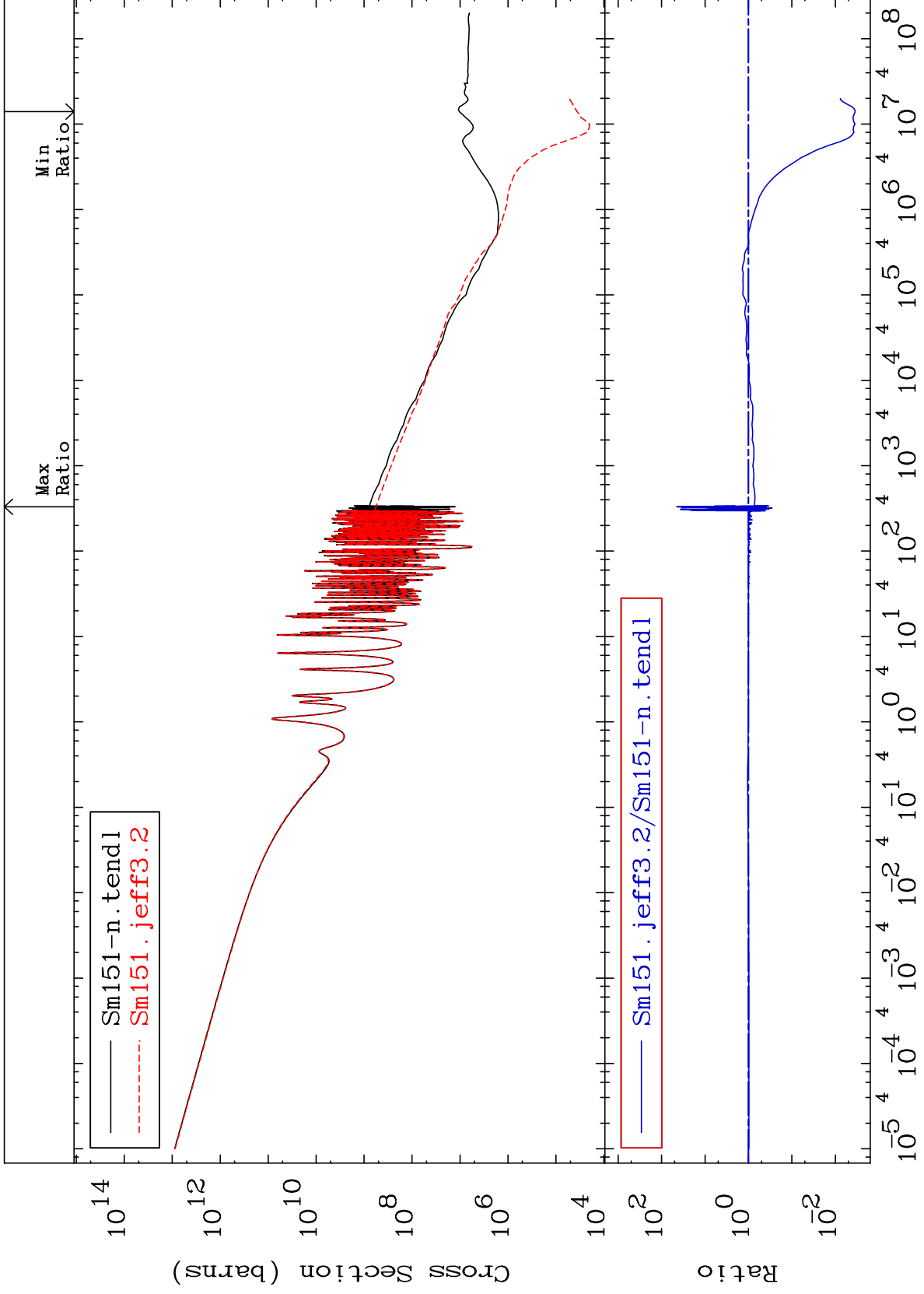
62-Sm-151
-71.56 To 4338. %



MAT 6246

Total photon (eV-barns)
Cross Section

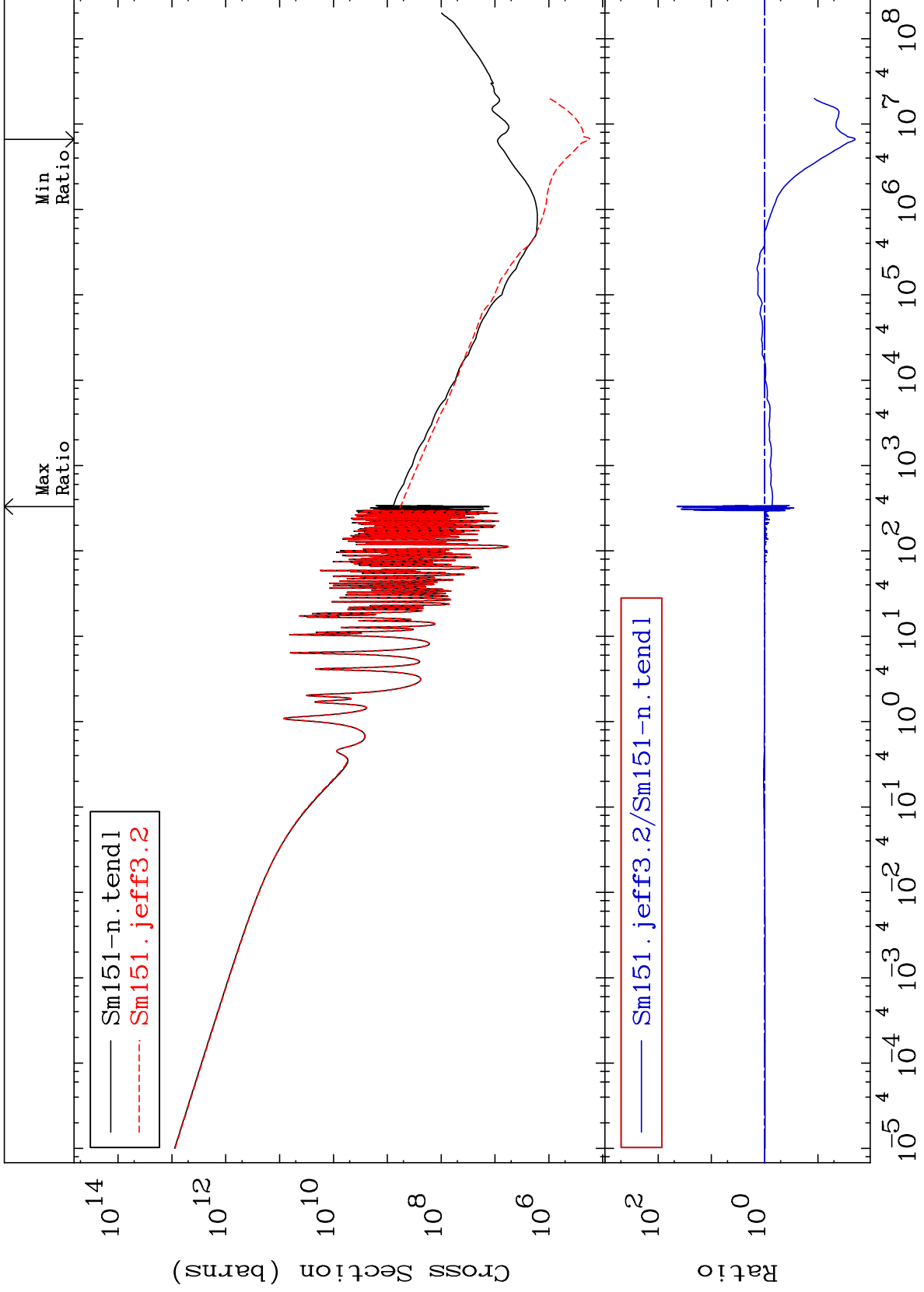
62-Sm-151
-99.65 To 4338. %



MAT 6246

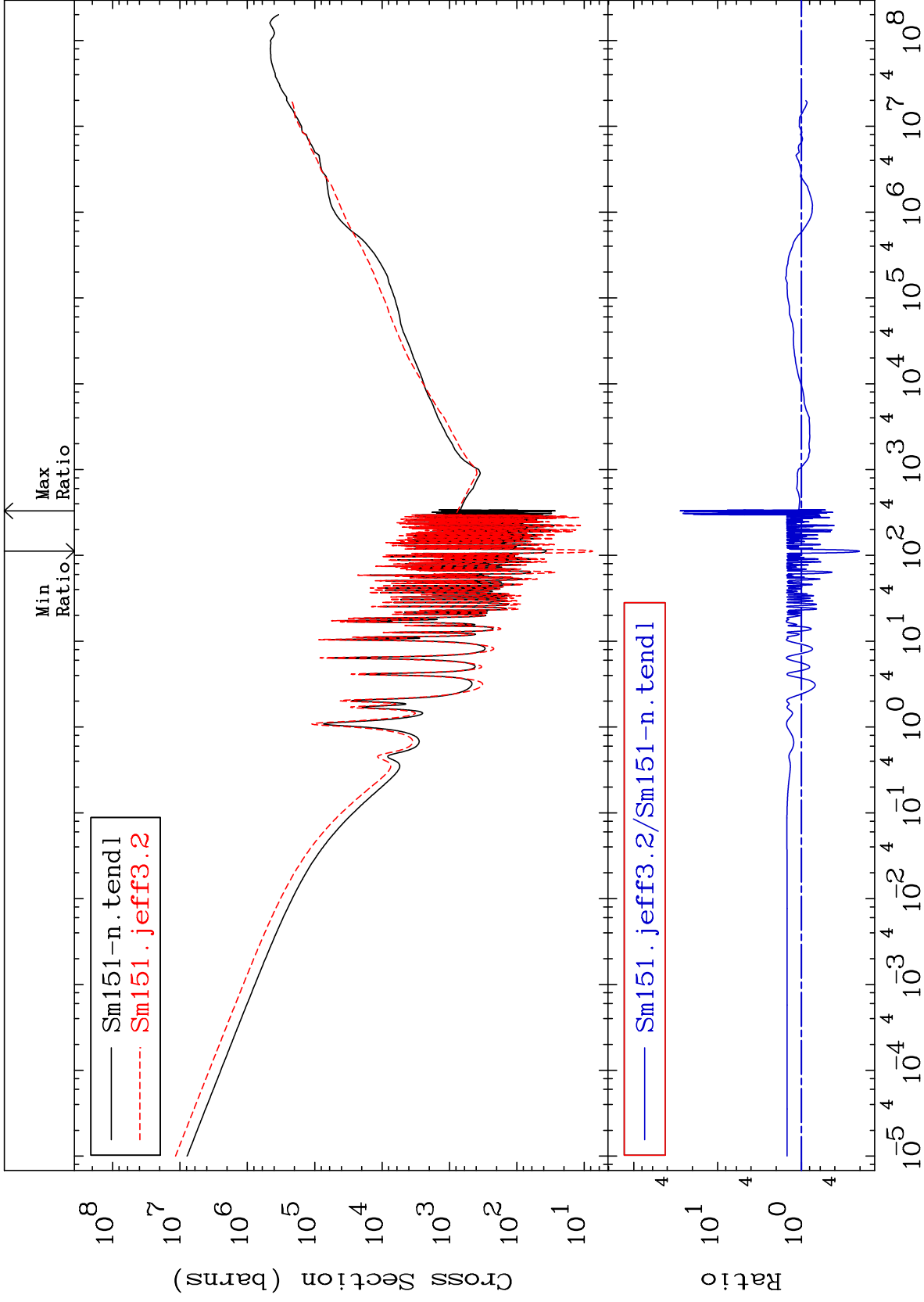
Total kinematic kerma (high limit)
Cross Section

62-Sm-151
-98.00 To 4338. %



55

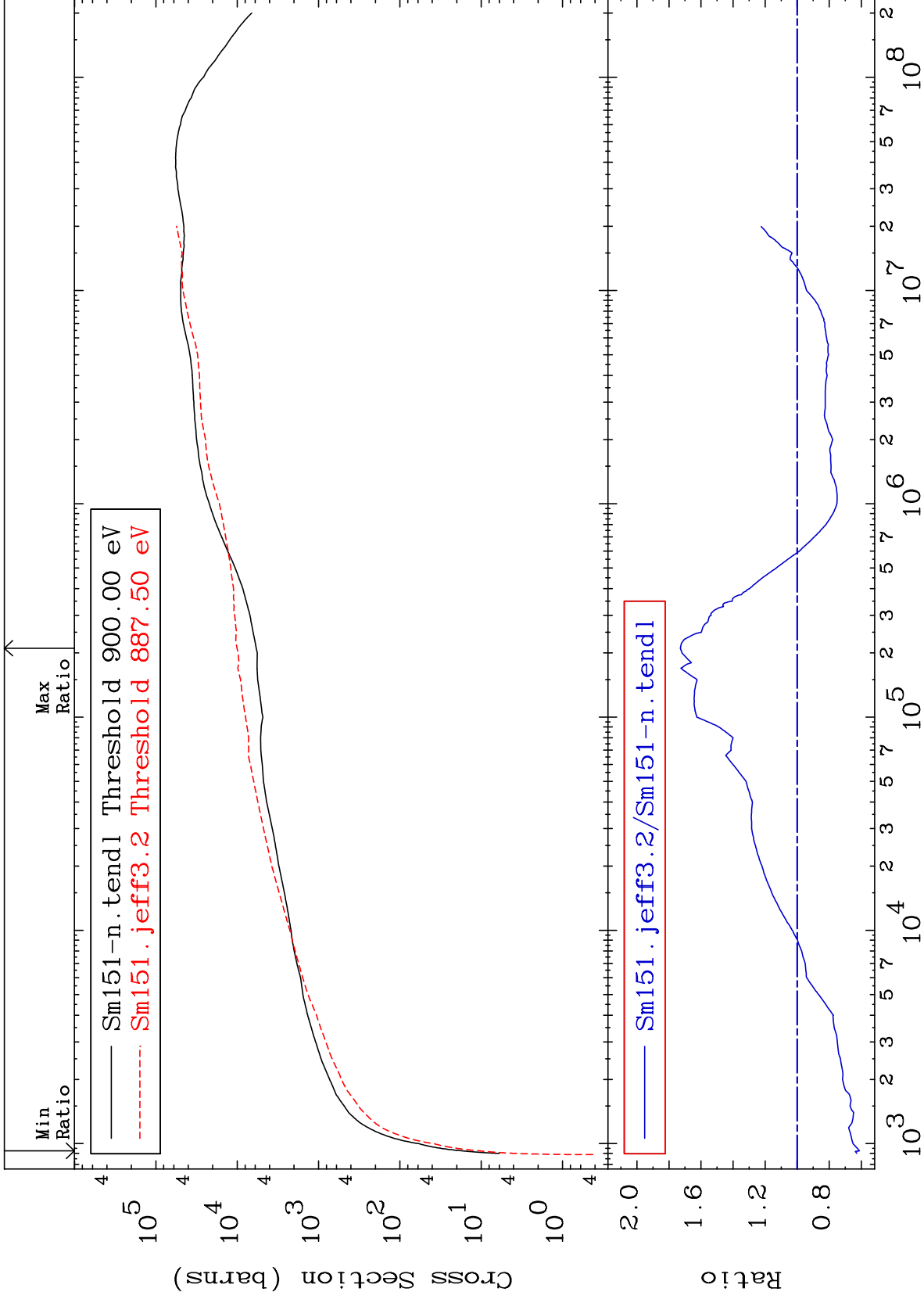
62-Sm-151



MAT 6246

Dpa elastic (mt2)
Cross Section

62-Sm-151
-38.84 To 72.89 %



57

Incident Energy (eV)

62-Sm-151

