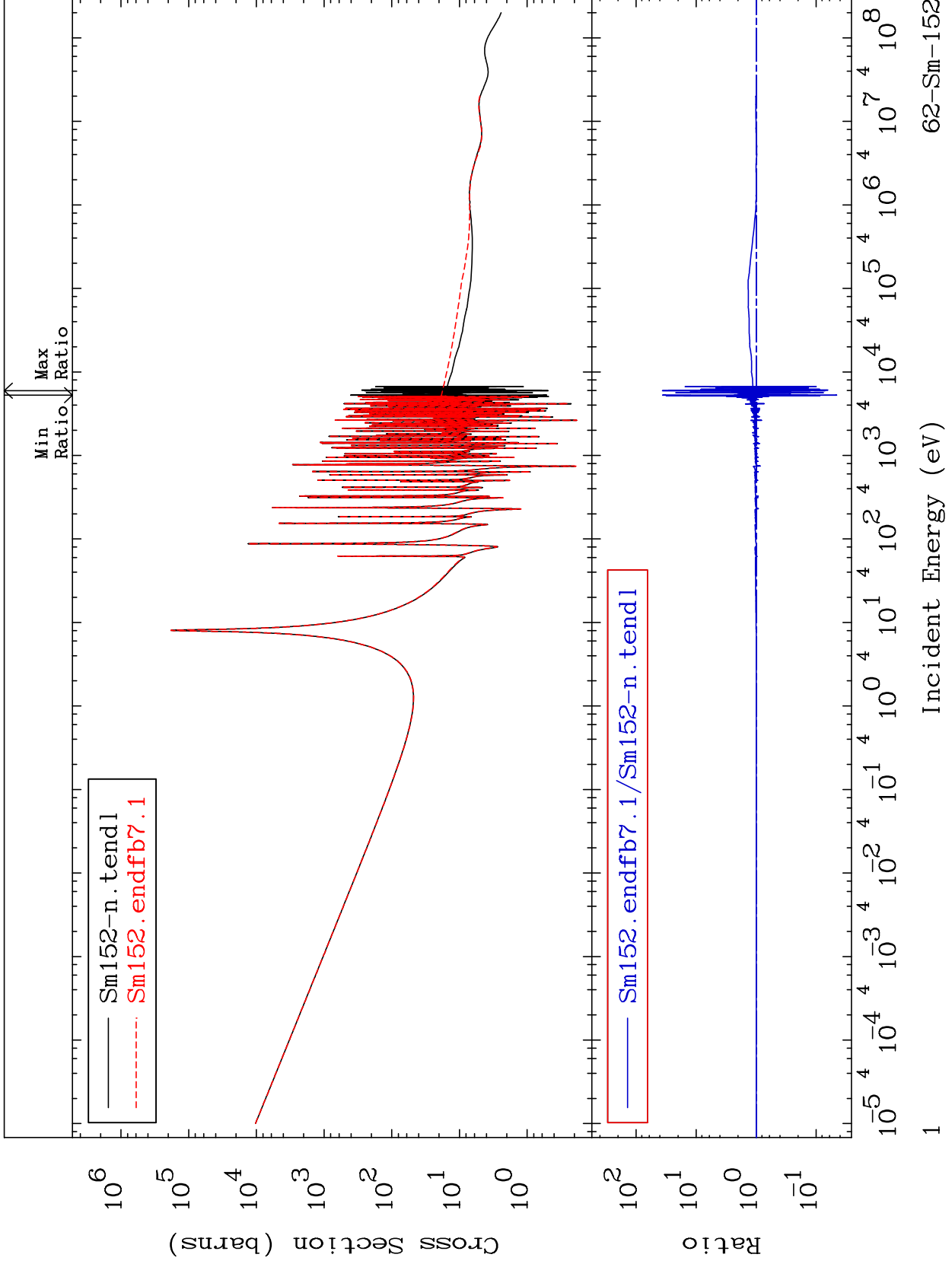


MAT 6249

Total
Cross Section

62-Sm-152
-95.43 To 3550. %

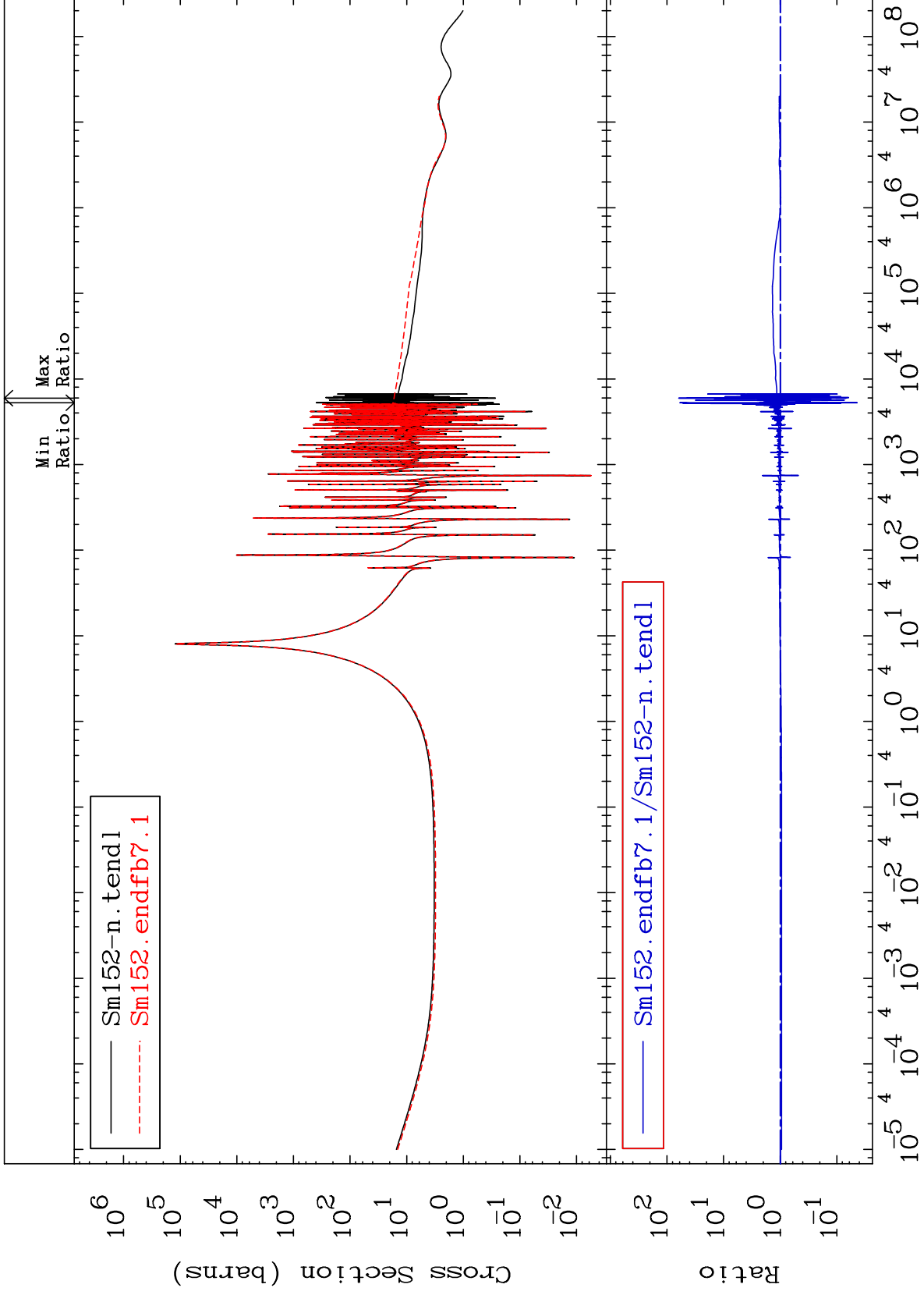


62-Sm-152

MAT 6249

Elastic
Cross Section

62-Sm-152
-95.65 To 6127. %



2

Incident Energy (eV)

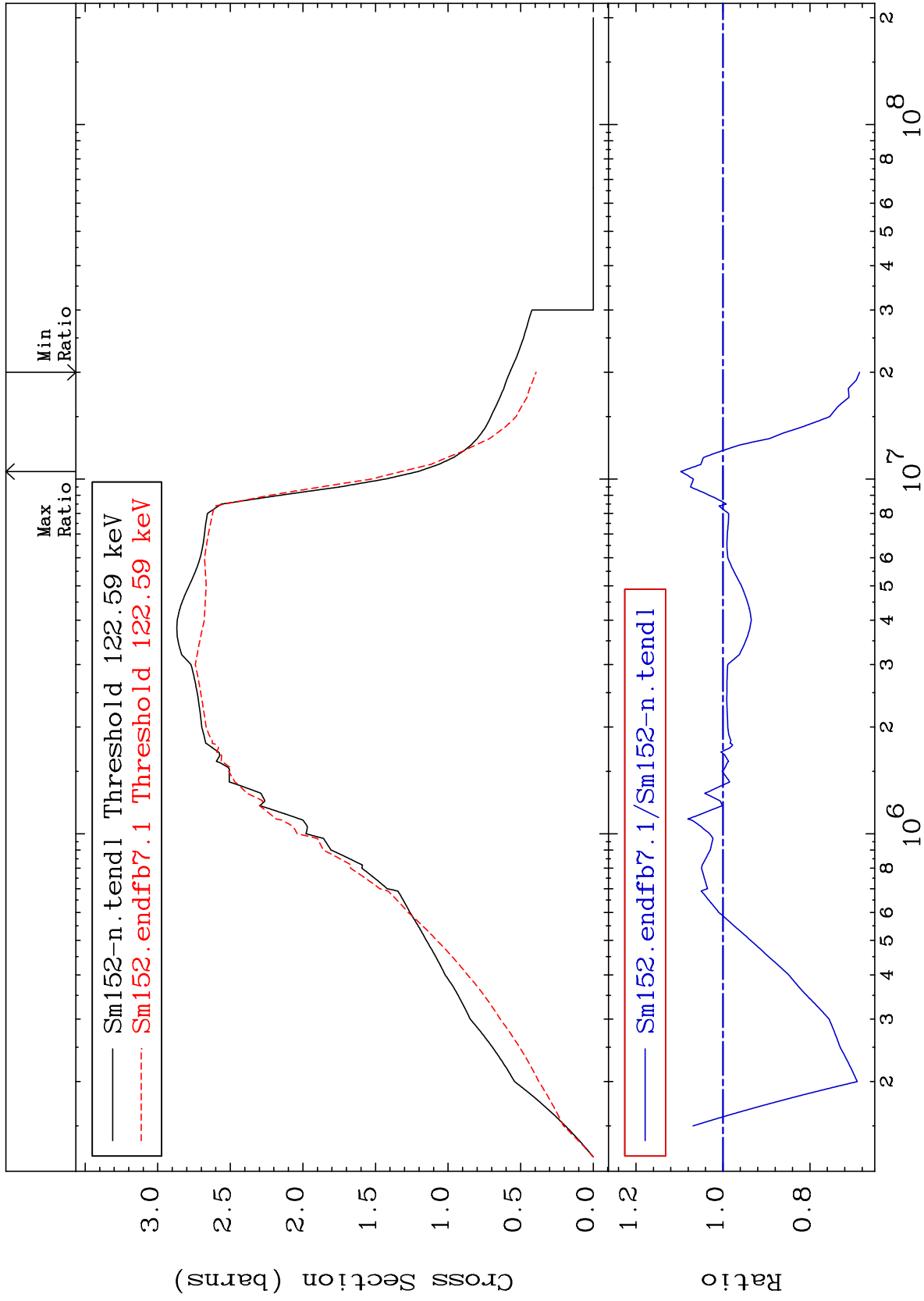
62-Sm-152

MAT 6249

62-Sm-152

-31.40 To 9.702 %

Inelastic
Cross Section



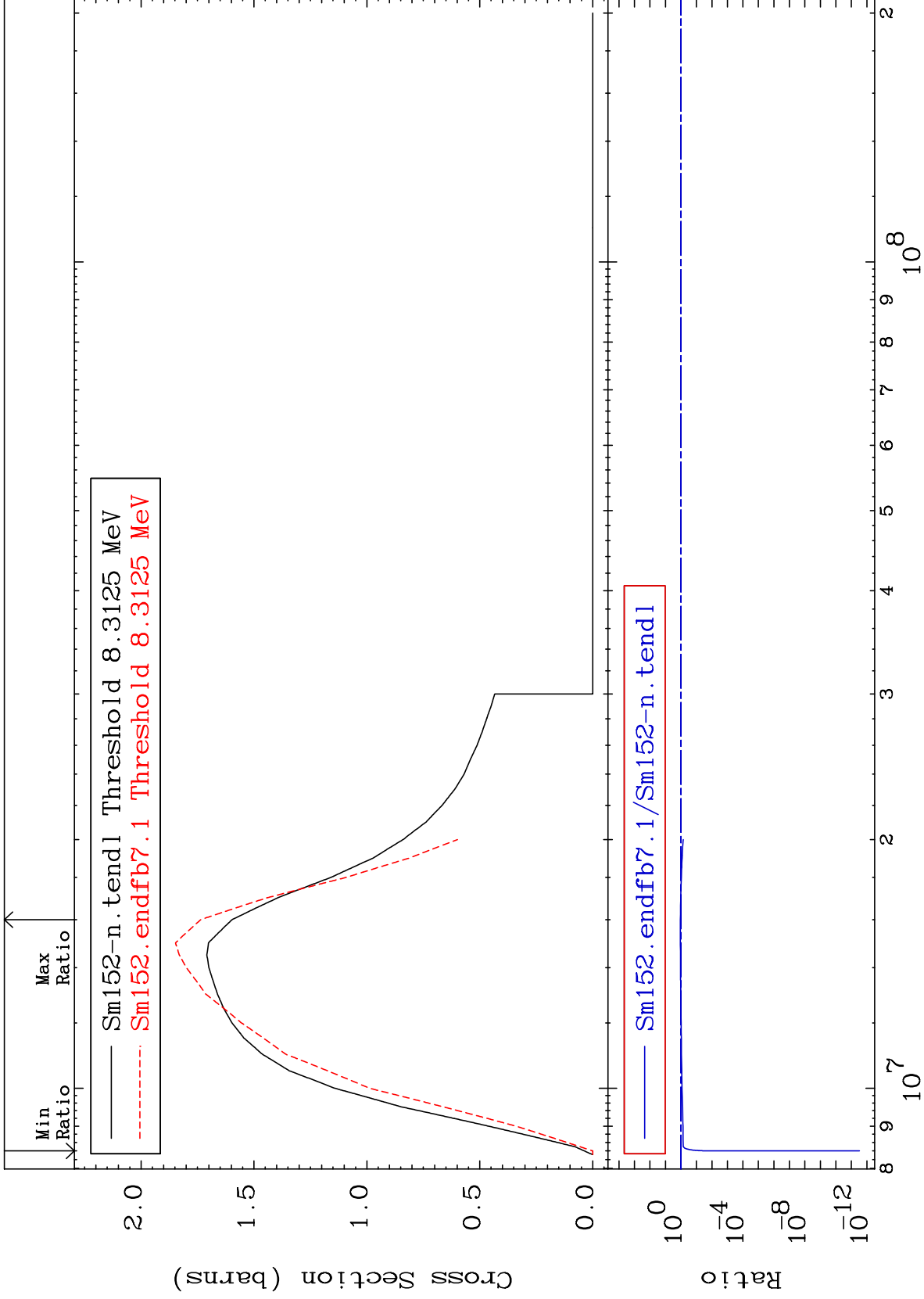
MAT 6249

(n,2n)

62-Sm-152

Cross Section

-100.0 To 8.681 %



4

Incident Energy (eV)

62-Sm-152

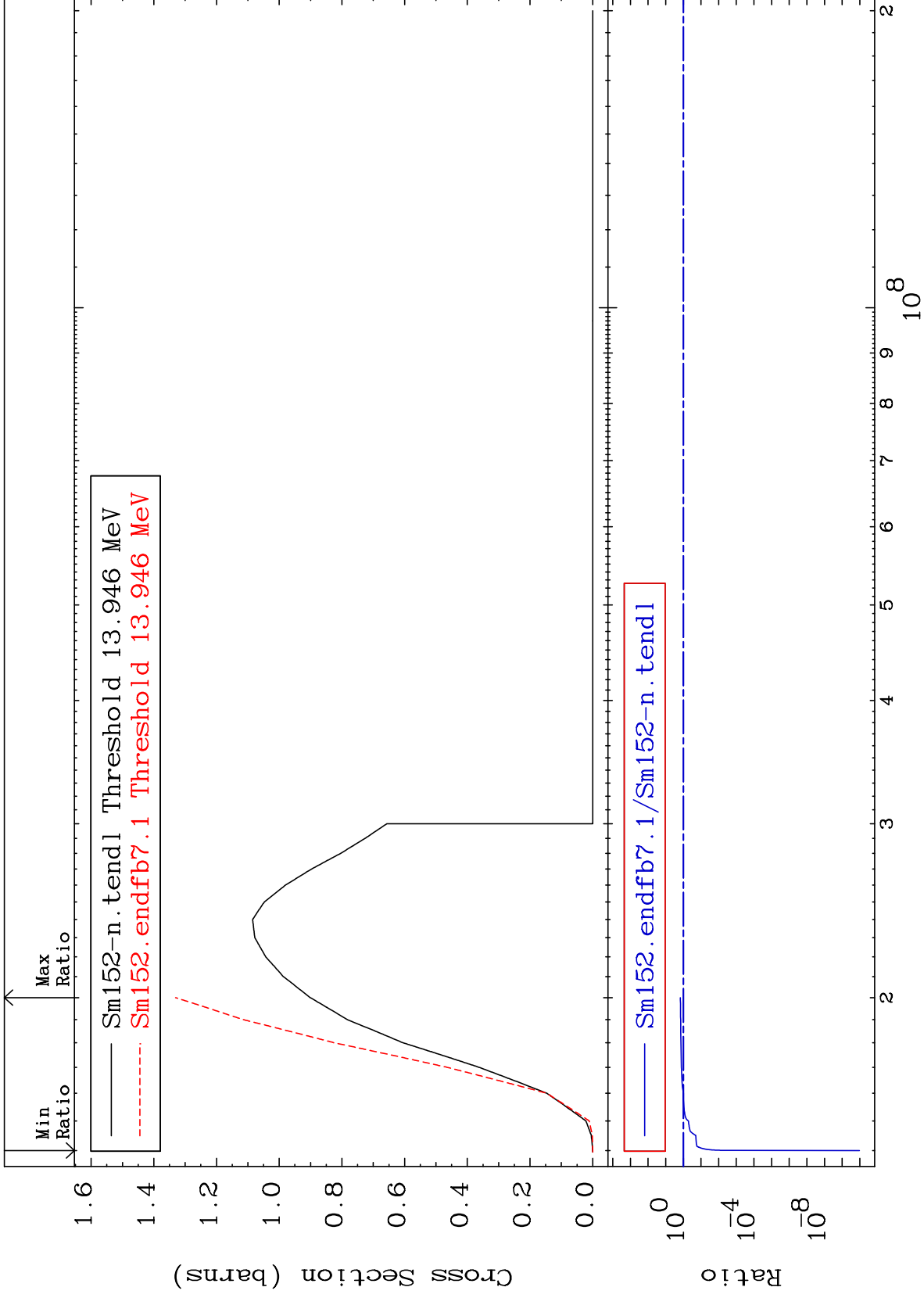
MAT 6249

(n,3n)

62-Sm-152

Cross Section

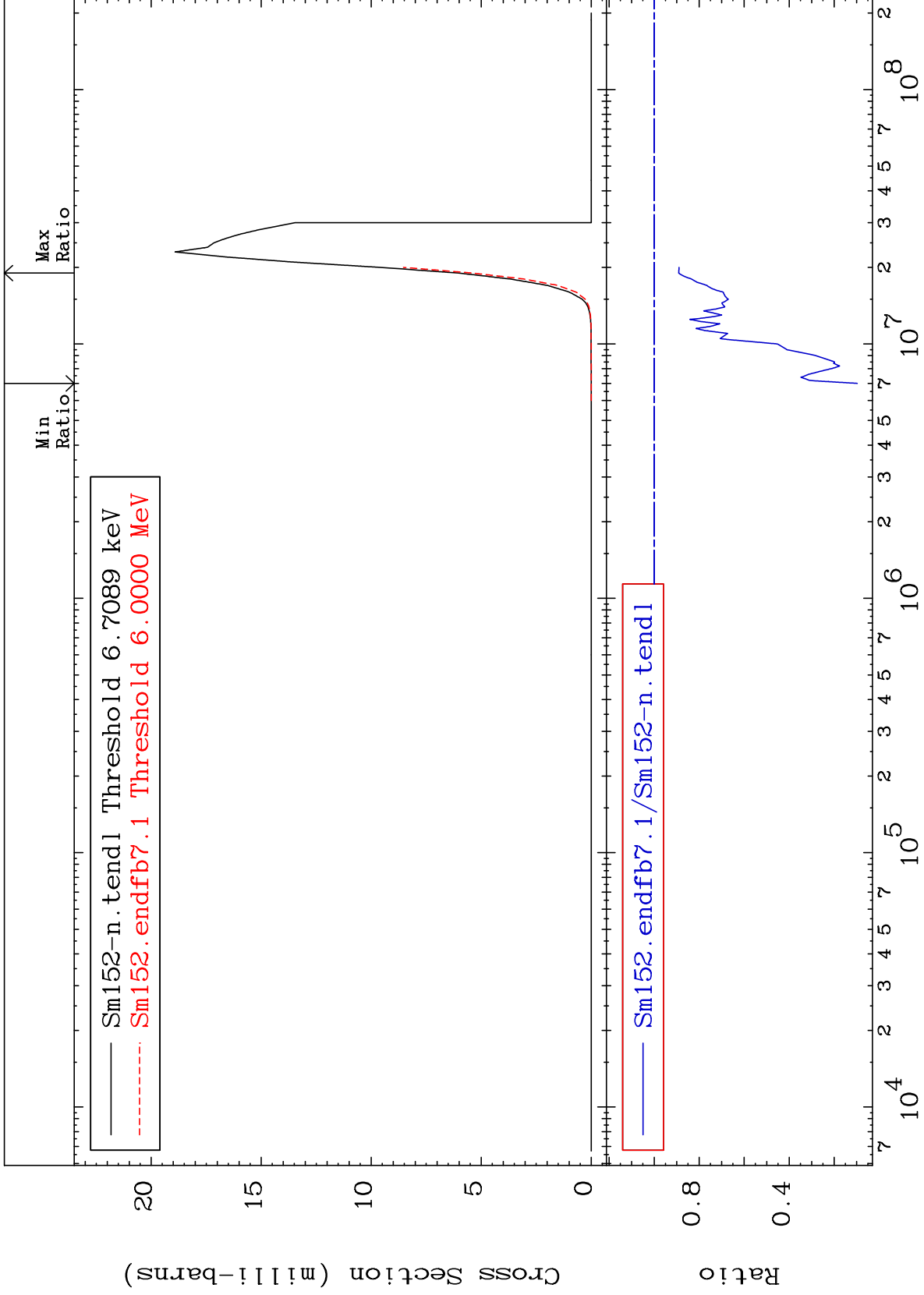
-100.0 To 47.70 %



MAT 6249

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

62-Sm-152
-90.25 To -10.88%



6

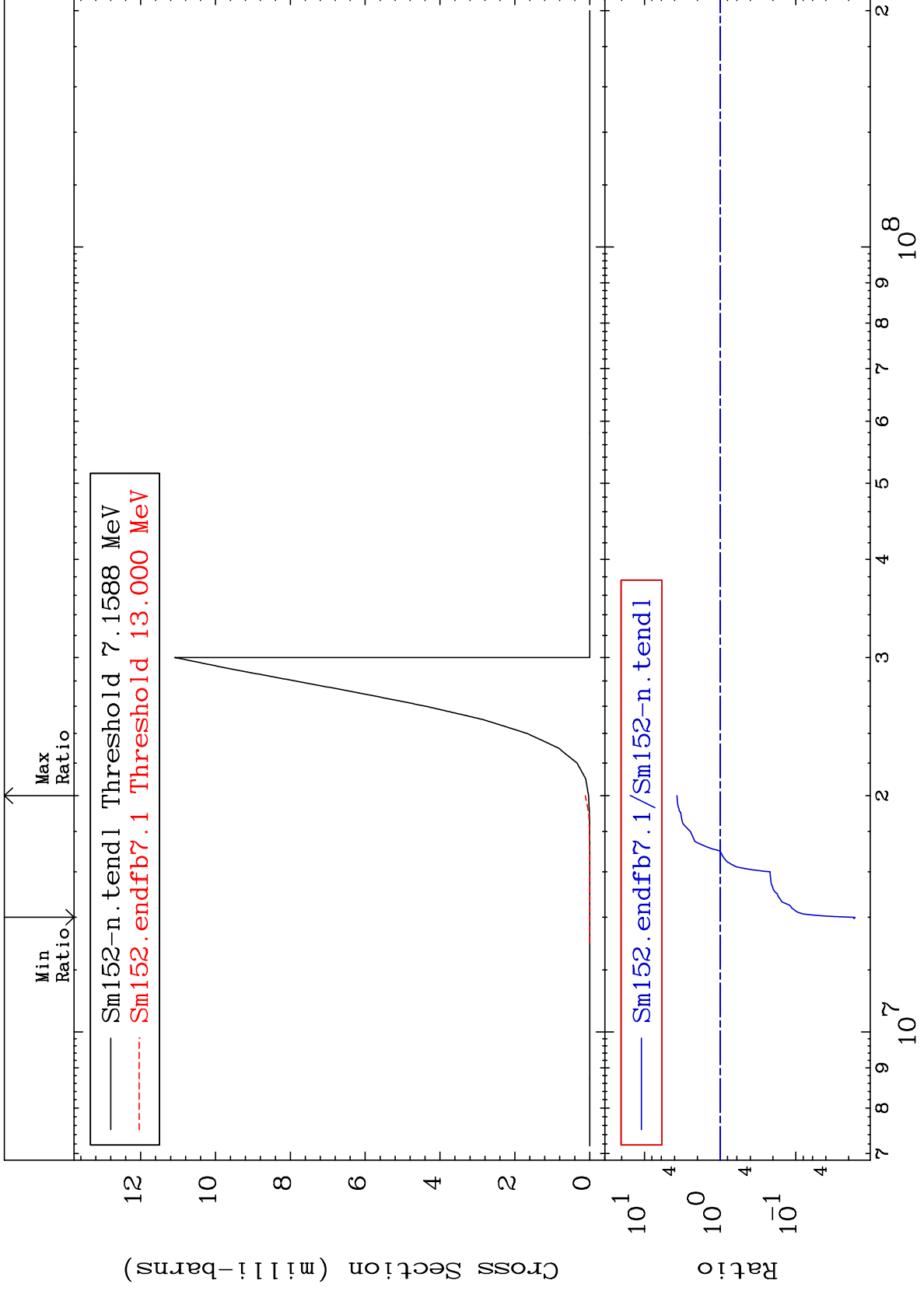
Incident Energy (eV)

62-Sm-152

MAT 6249

(n,2n) α
Cross Section

62-Sm-152
-98.36 To 272.9 %



7

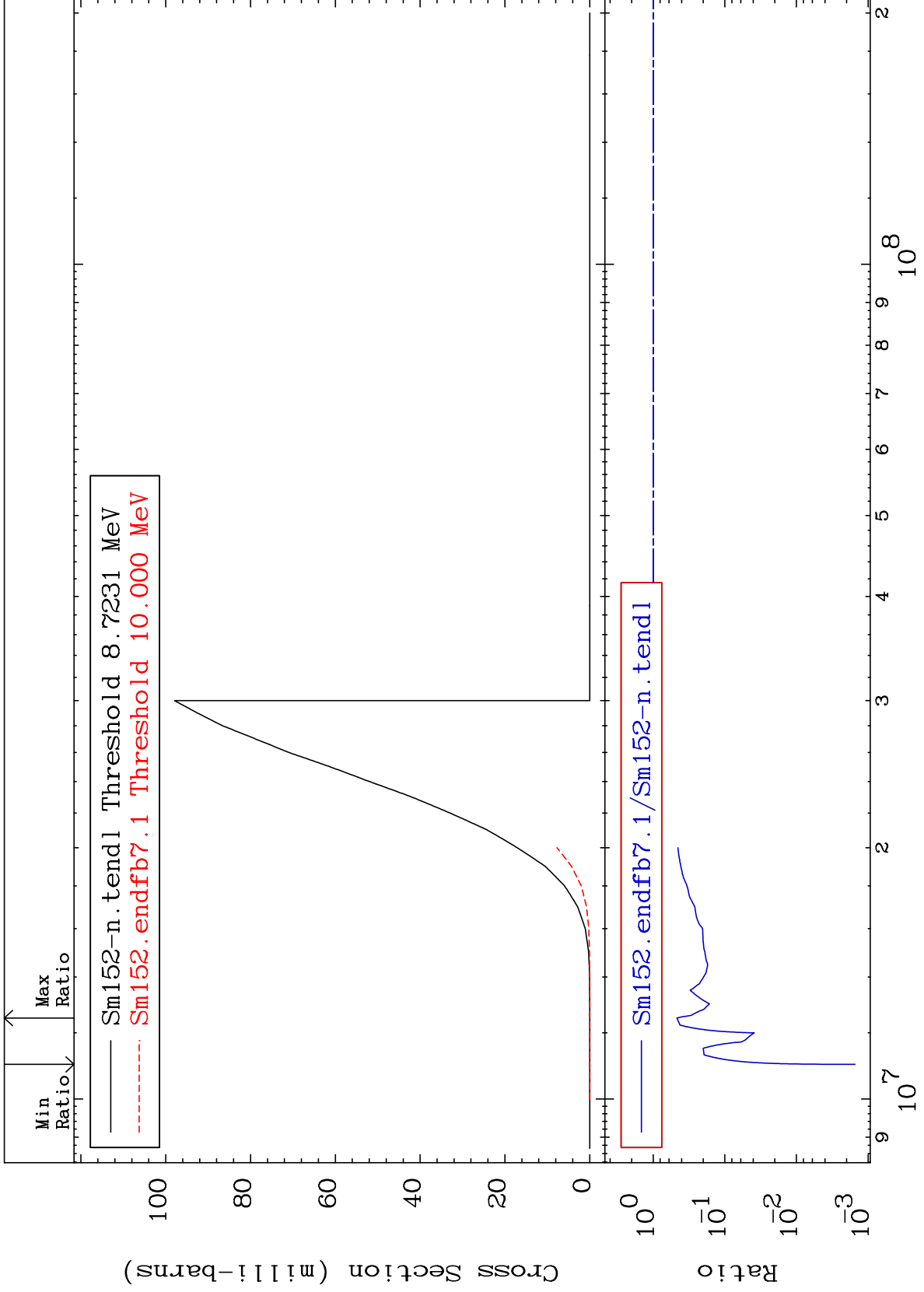
Incident Energy (eV)

62-Sm-152

MAT 6249

(n, n') p
Cross Section

62-Sm-152
-99.85 To -53.37%



8

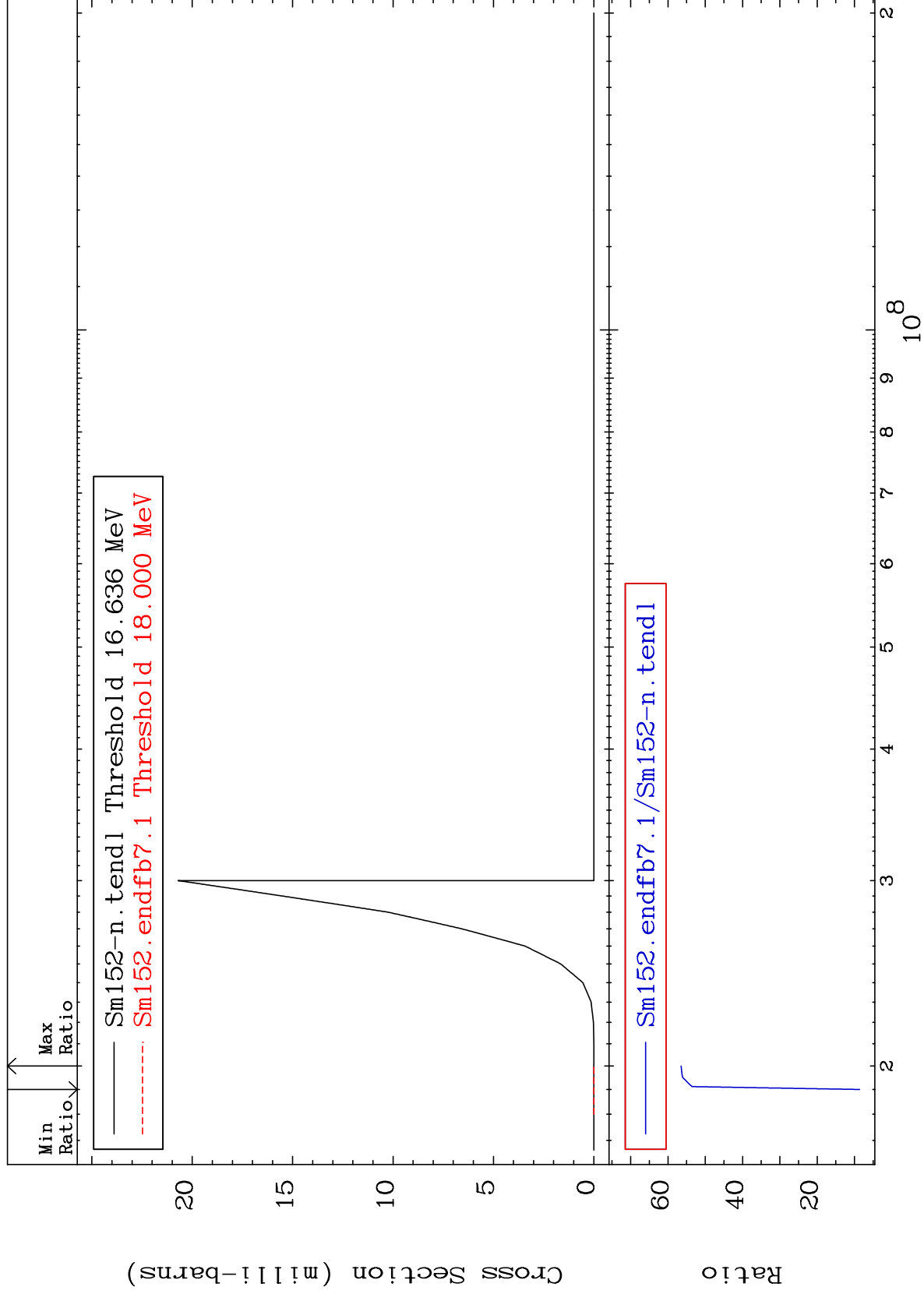
Incident Energy (eV)

62-Sm-152

MAT 6249

(n,2n) p
Cross Section

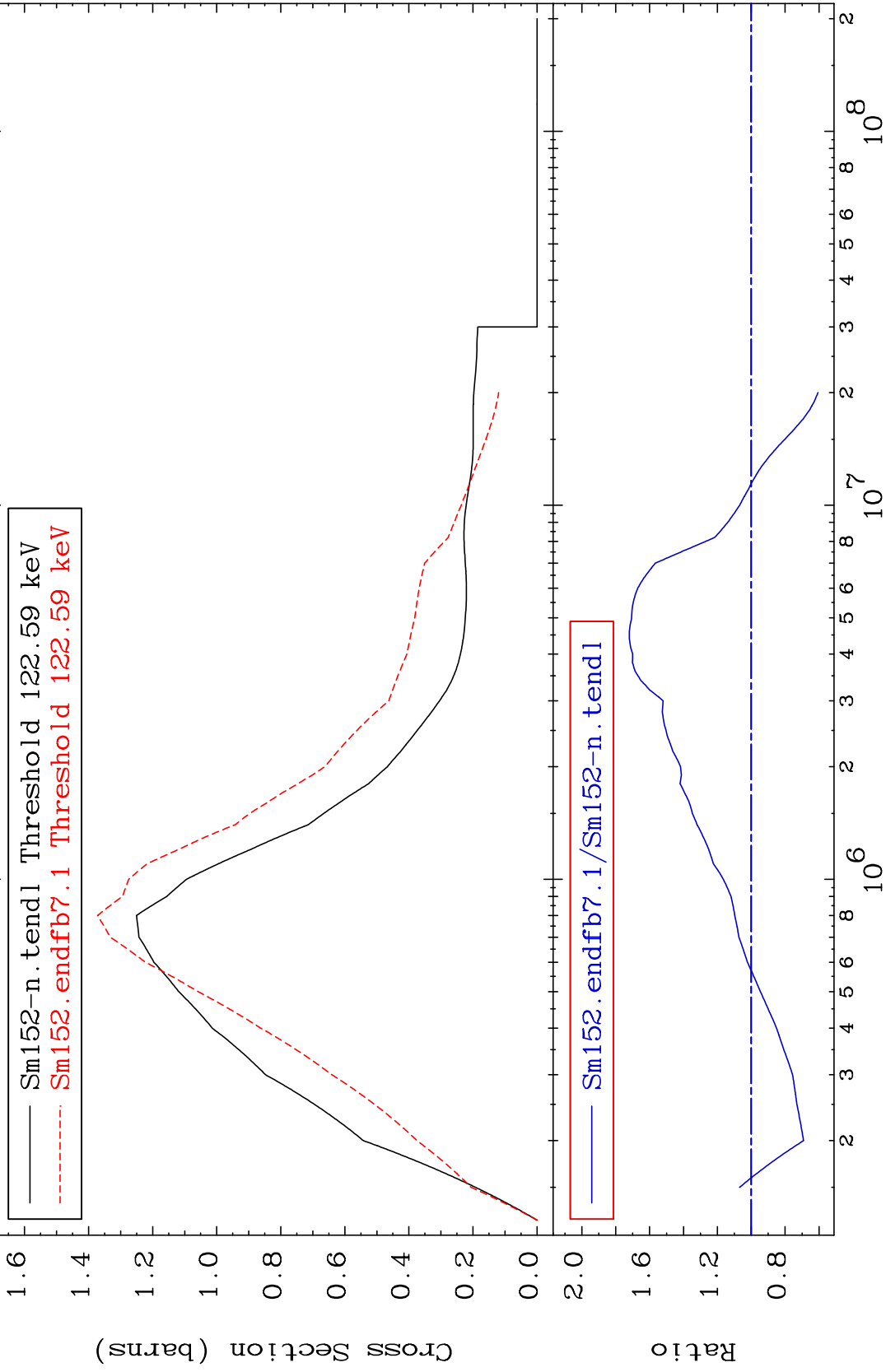
62-Sm-152
-100.0 To -99.99%



MAT 6249

121.8 keV (n,n') Level
Cross Section

62-Sm-152
-39.40 To 71.95 %



10

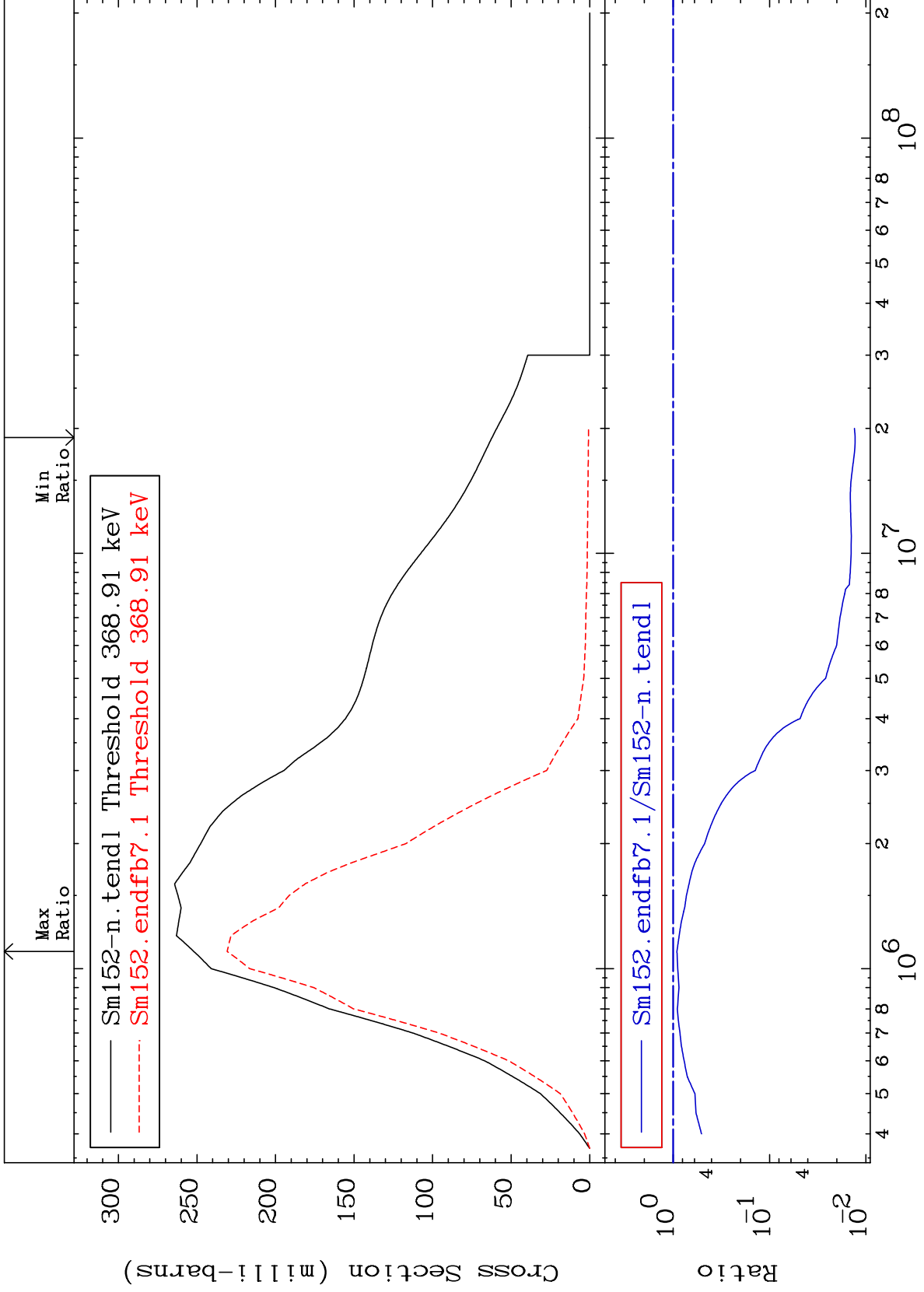
Incident Energy (eV)

62-Sm-152

MAT 6249

366.5 keV (n,n') Level
Cross Section

62-Sm-152
-98.71 To -8.442%



11

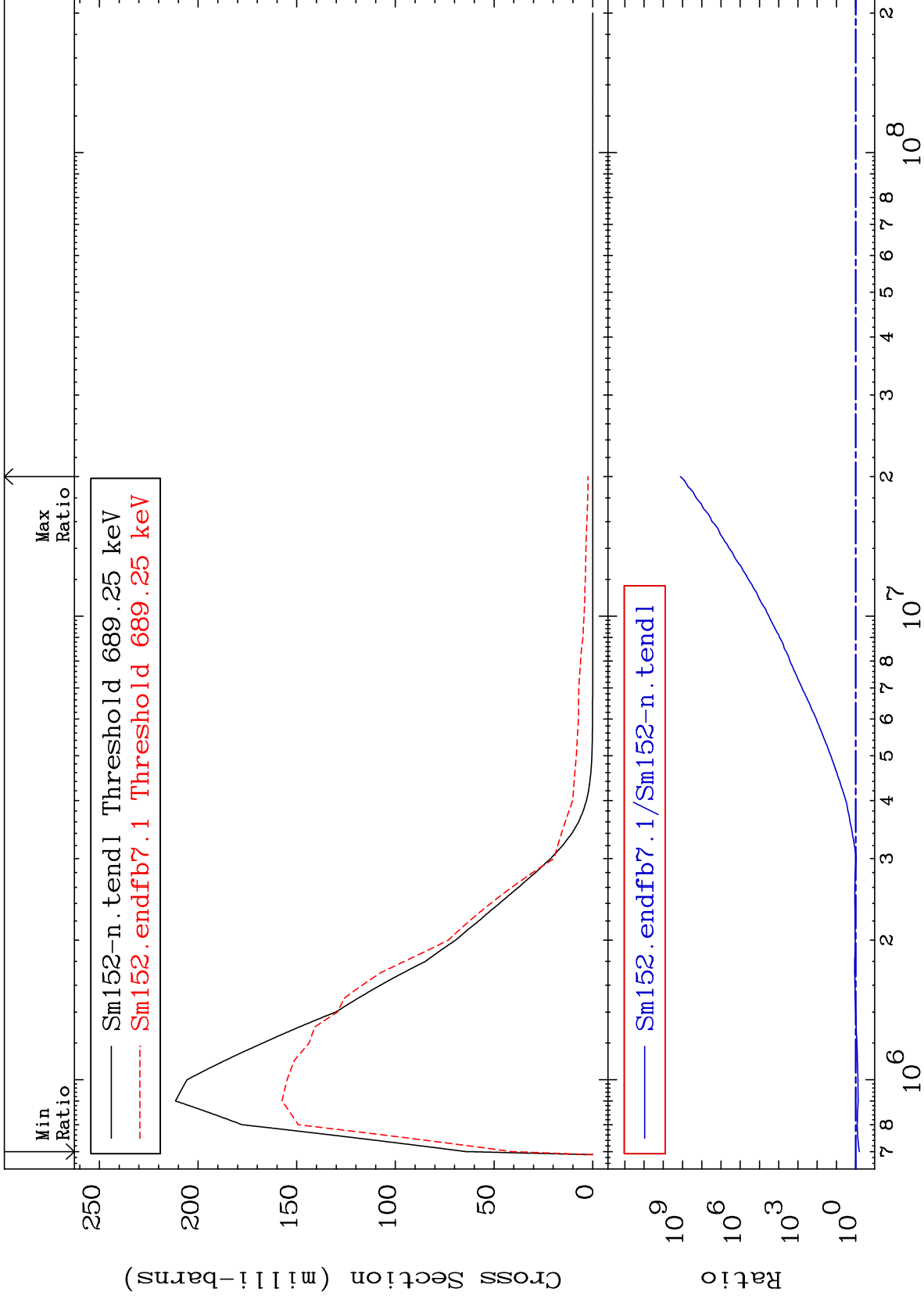
Incident Energy (eV)

62-Sm-152

MAT 6249

684.7 keV (n,n') Level
Cross Section

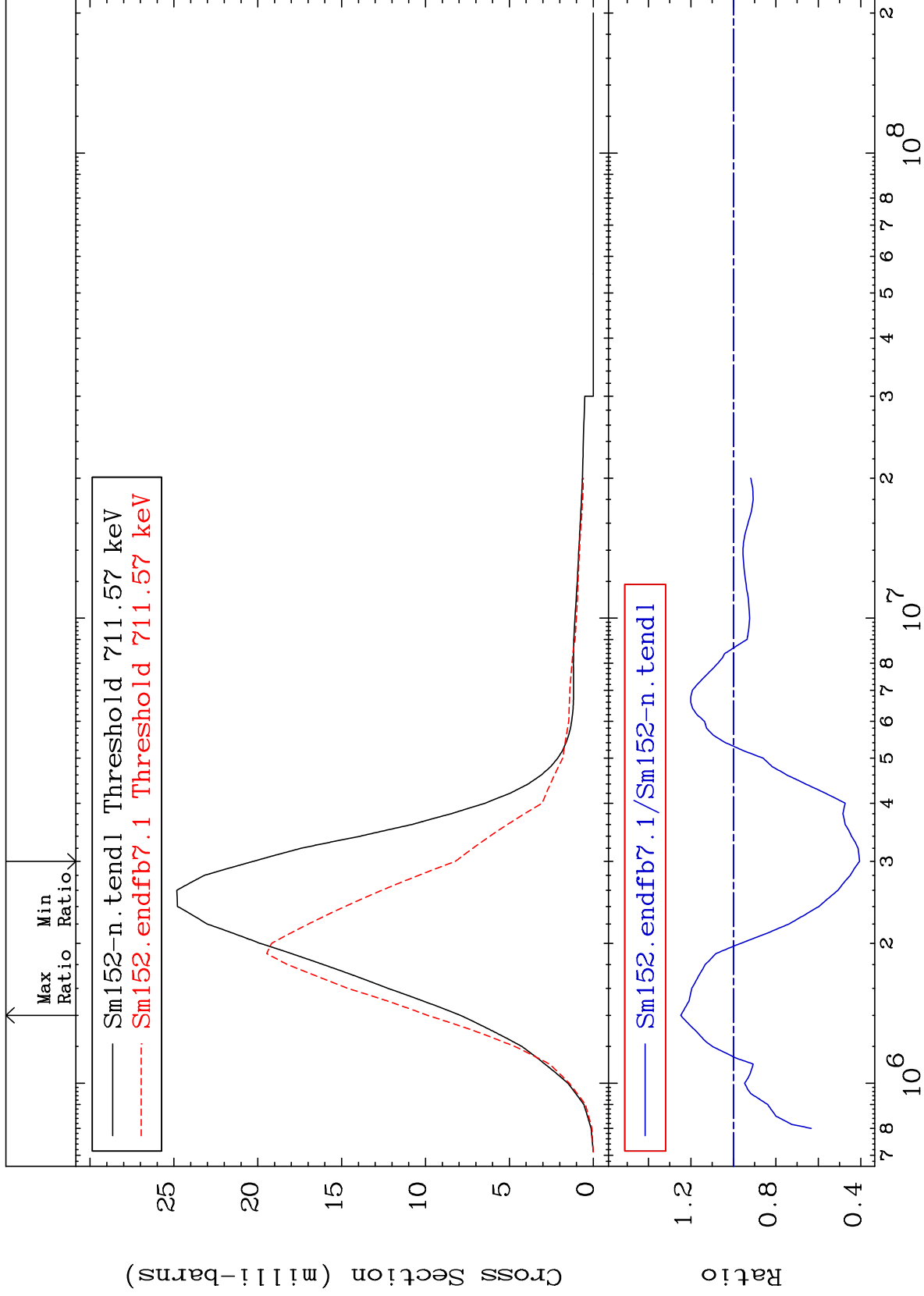
62-Sm-152
-36.41 To 9999. %



MAT 6249

706.9 keV (n,n') Level
Cross Section

62-Sm-152
-59.44 To 24.78 %



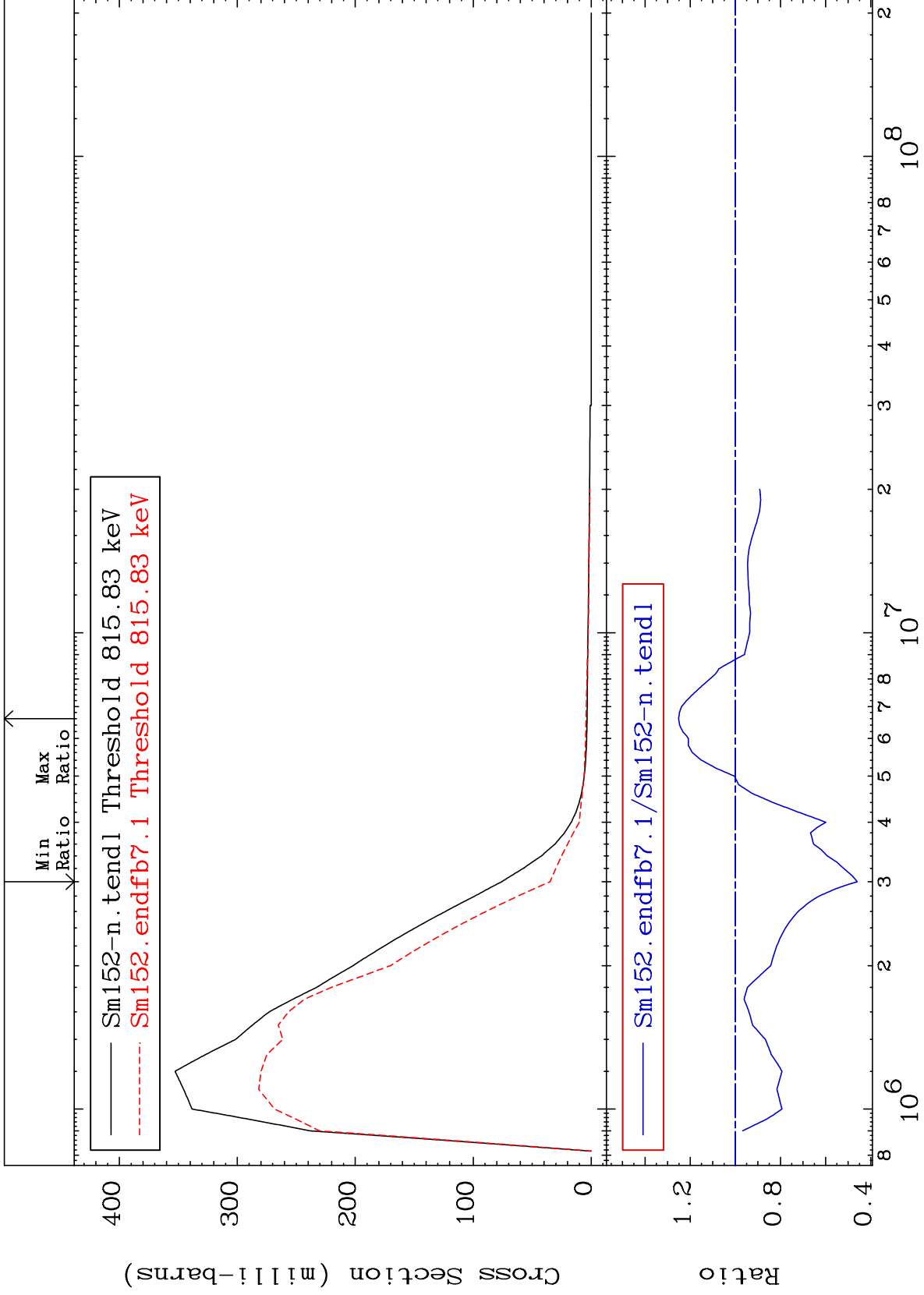
13

62-Sm-152

MAT 6249

810.5 keV (n,n') Level
Cross Section

62-Sm-152
-54.03 To 25.12 %



14

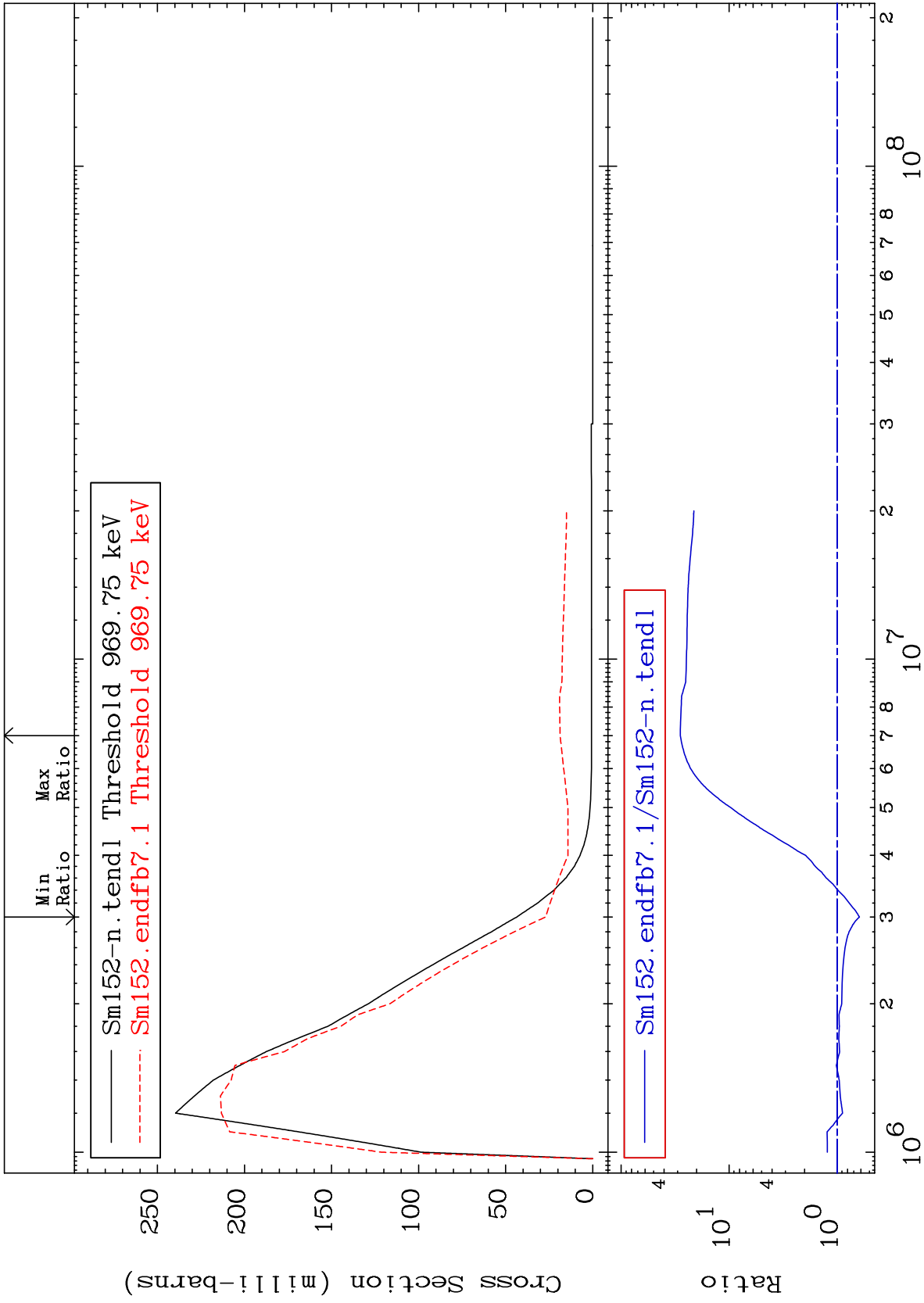
Incident Energy (eV)

62-Sm-152

MAT 6249

963.4 keV (n,n') Level
Cross Section

62-Sm-152
-38.00 To 2725. %



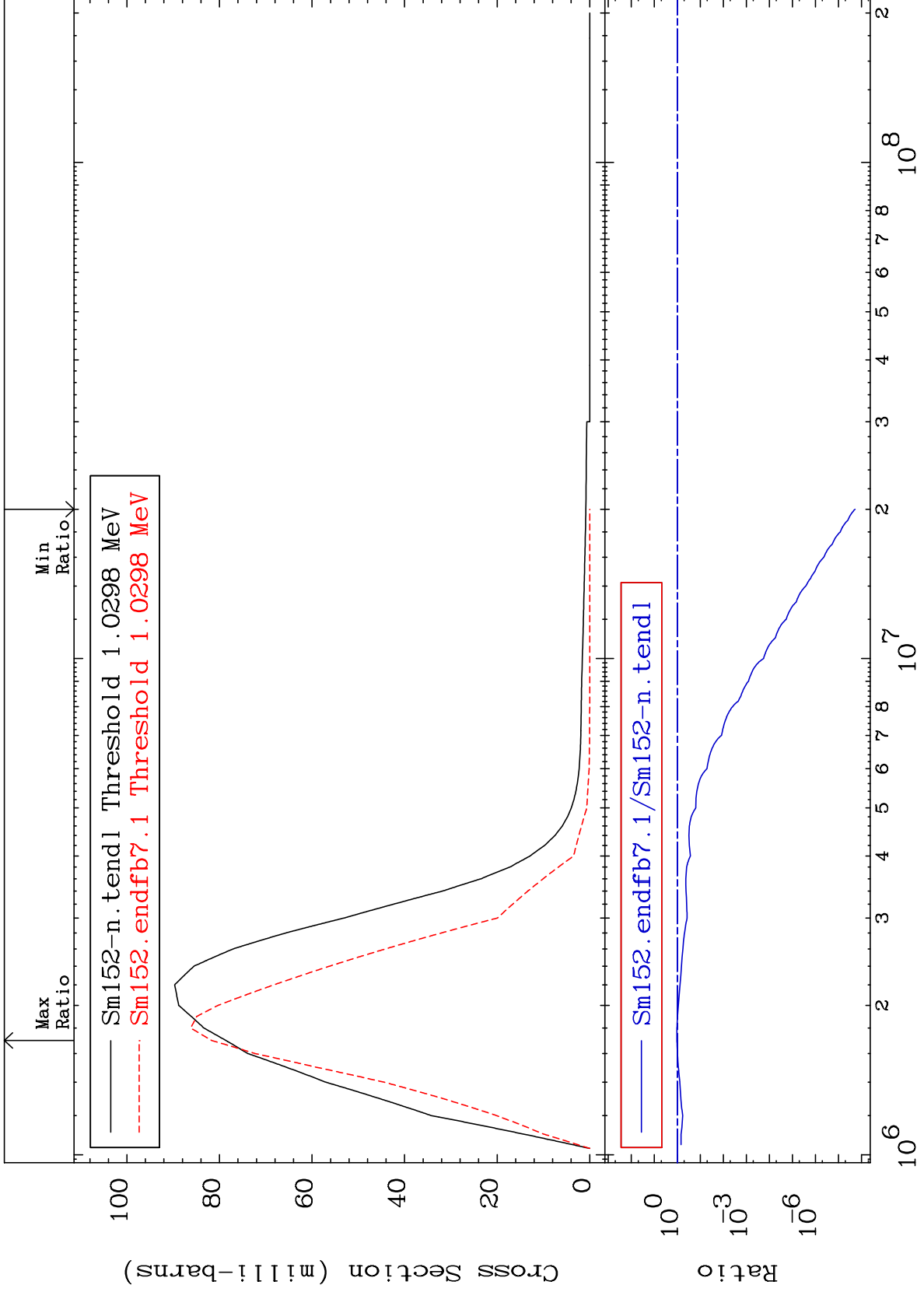
Incident Energy (eV)

62-Sm-152

MAT 6249

1.023 MeV (n,n') Level
Cross Section

62-Sm-152
-100.0 To 3.942 %



16

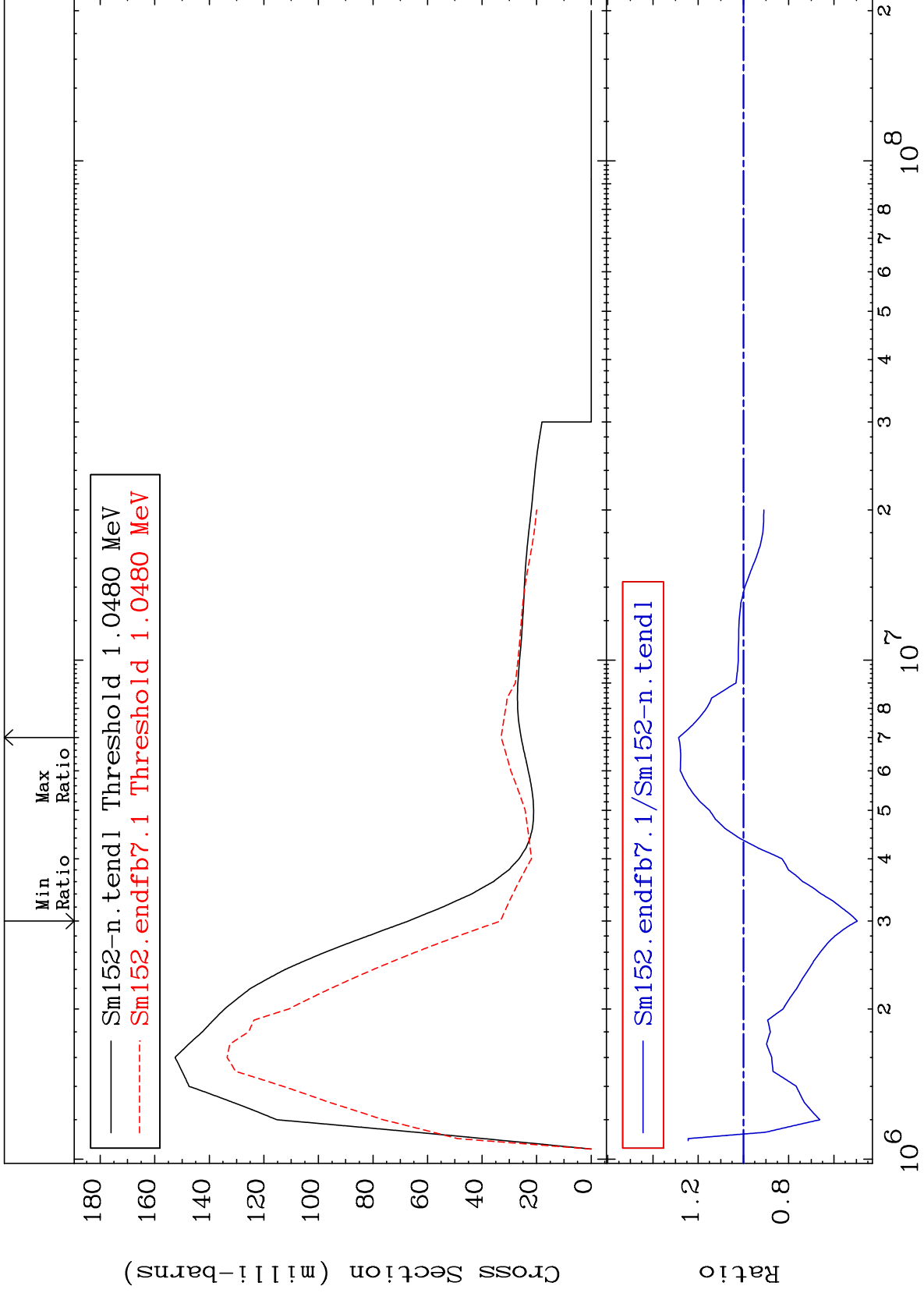
Incident Energy (eV)

62-Sm-152

MAT 6249

1.041 MeV (n,n') Level
Cross Section

62-Sm-152
-50.33 To 28.63 %



17

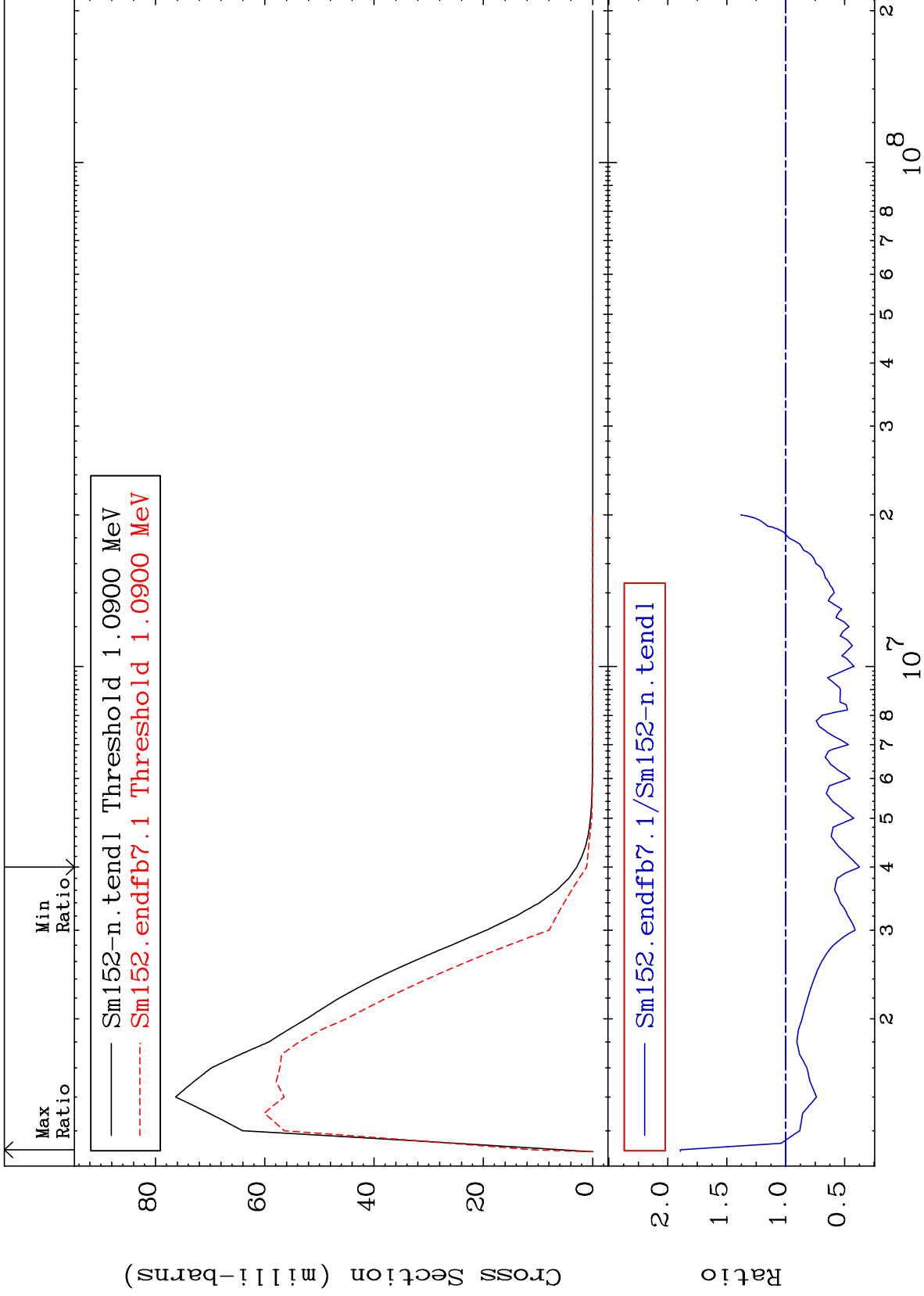
Incident Energy (eV)

62-Sm-152

MAT 6249

1.083 MeV (n,n') Level
Cross Section

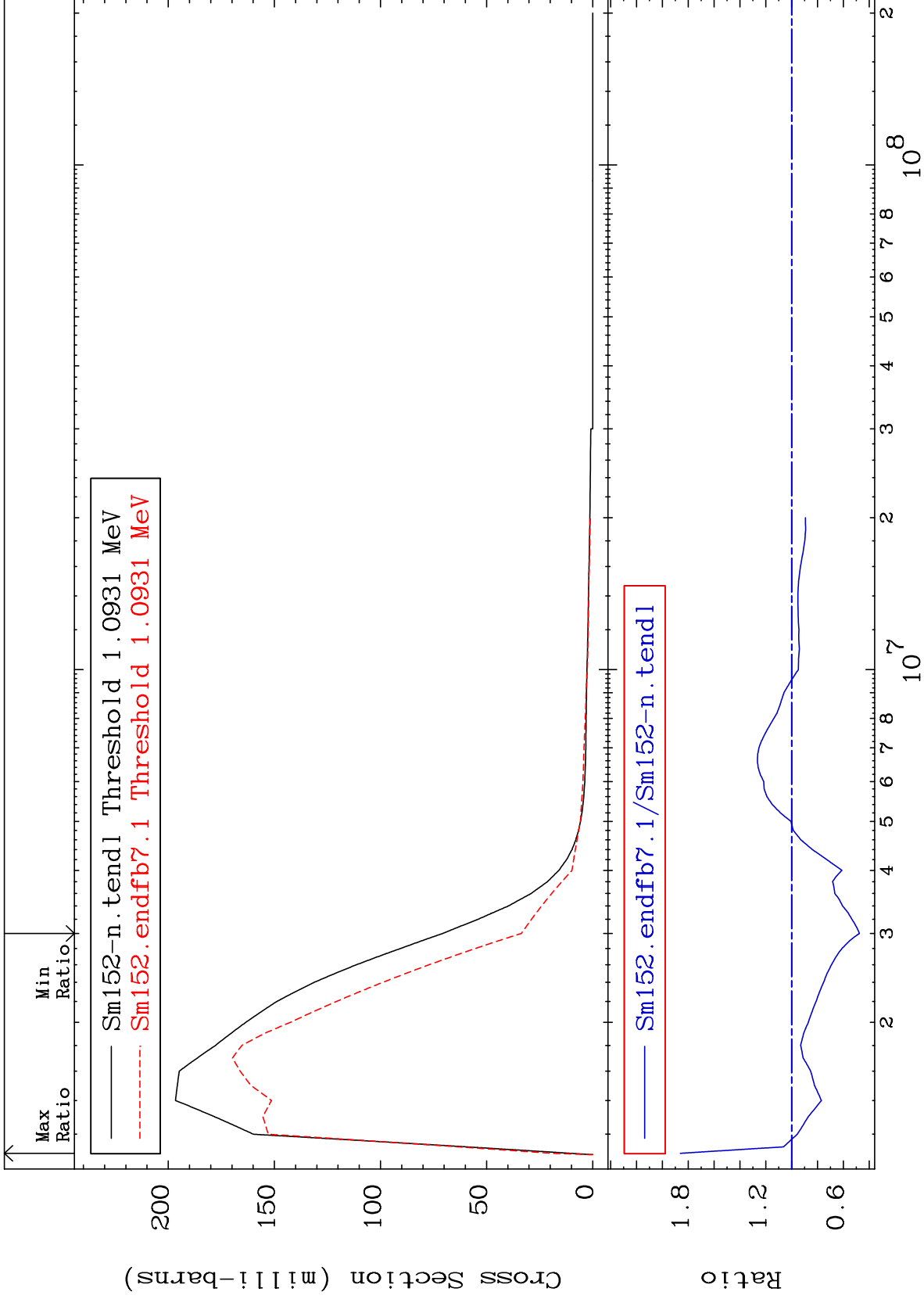
62-Sm-152
-62.53 To 89.36 %



MAT 6249

1.086 MeV (n,n') Level
Cross Section

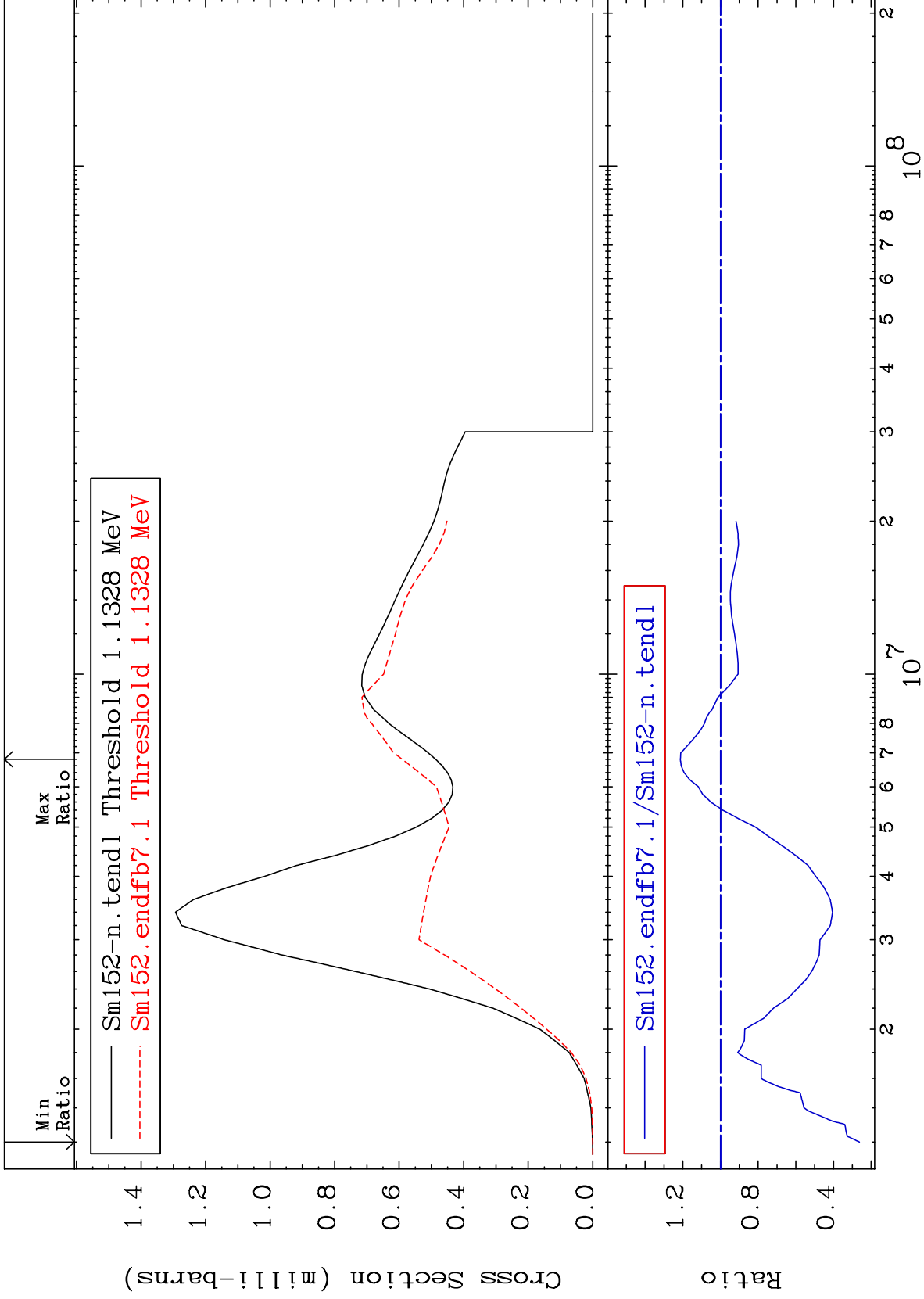
62-Sm-152
-52.42 To 86.04 %



MAT 6249

1.125 MeV (n,n') Level
Cross Section

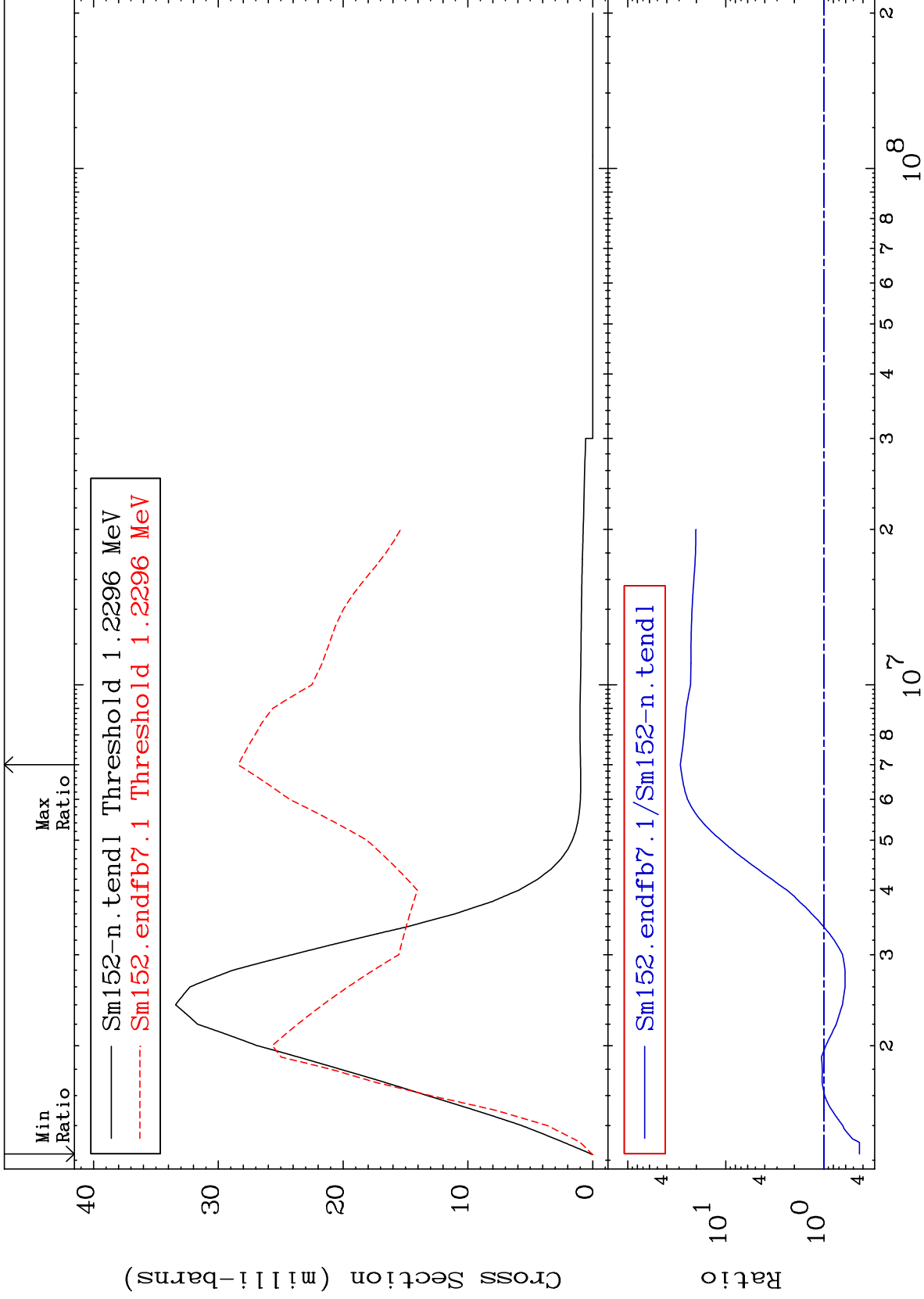
62-Sm-152
-73.76 To 21.32 %



MAT 6249

1.221 MeV (n,n') Level
Cross Section

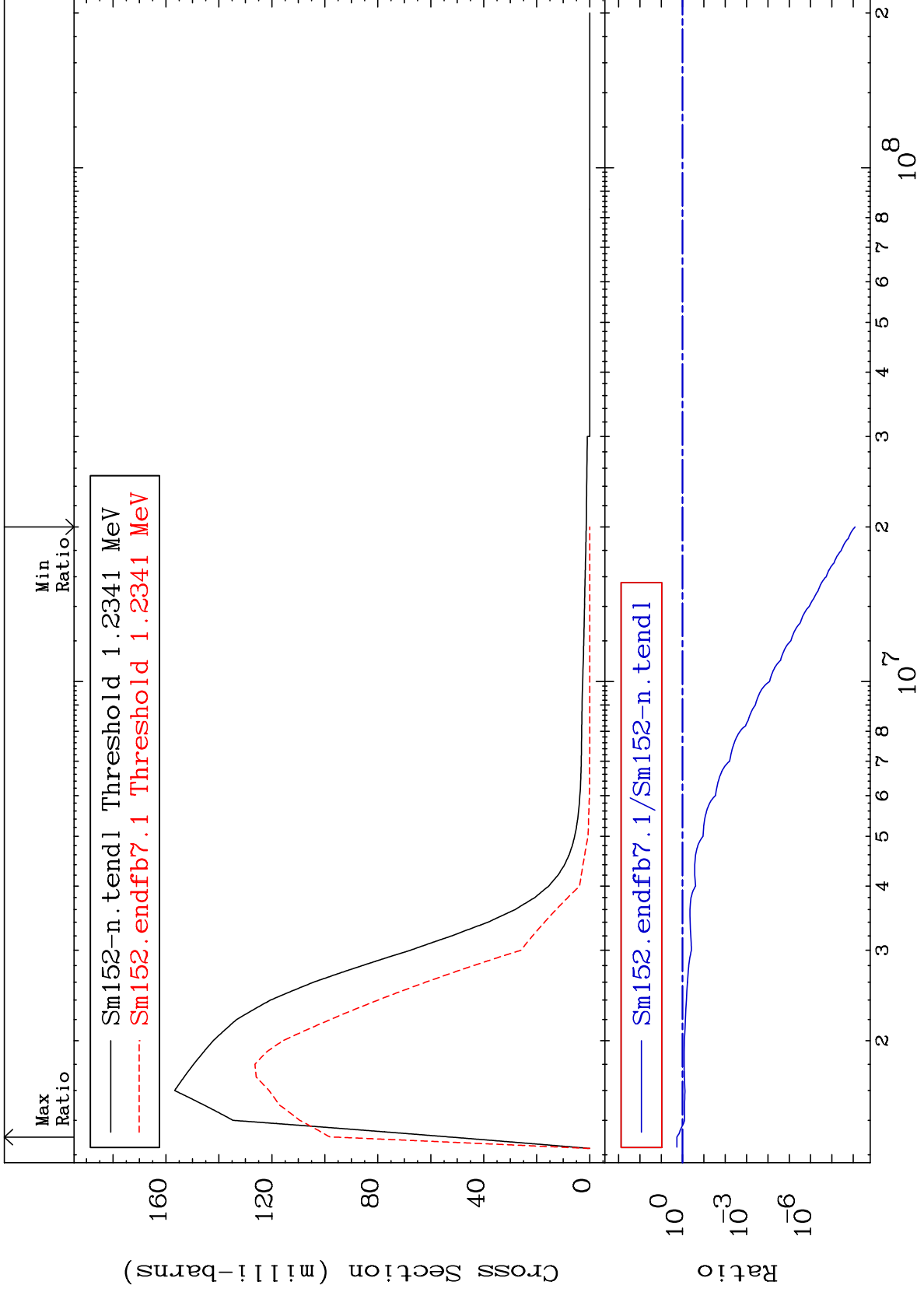
62-Sm-152
-56.59 To 2809. %

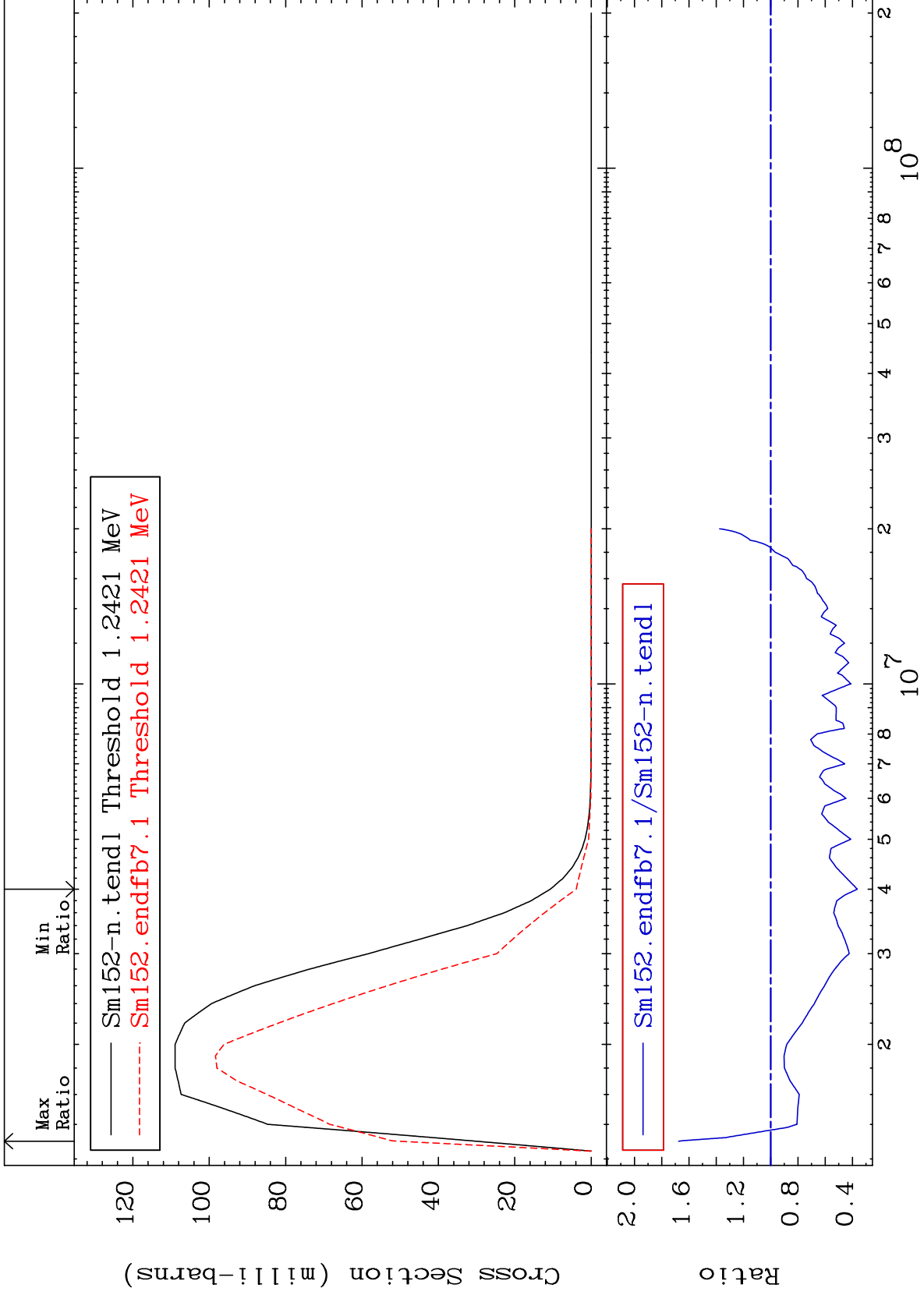


MAT 6249

1.226 MeV (n,n') Level
Cross Section

62-Sm-152
-100.0 To 83.57 %

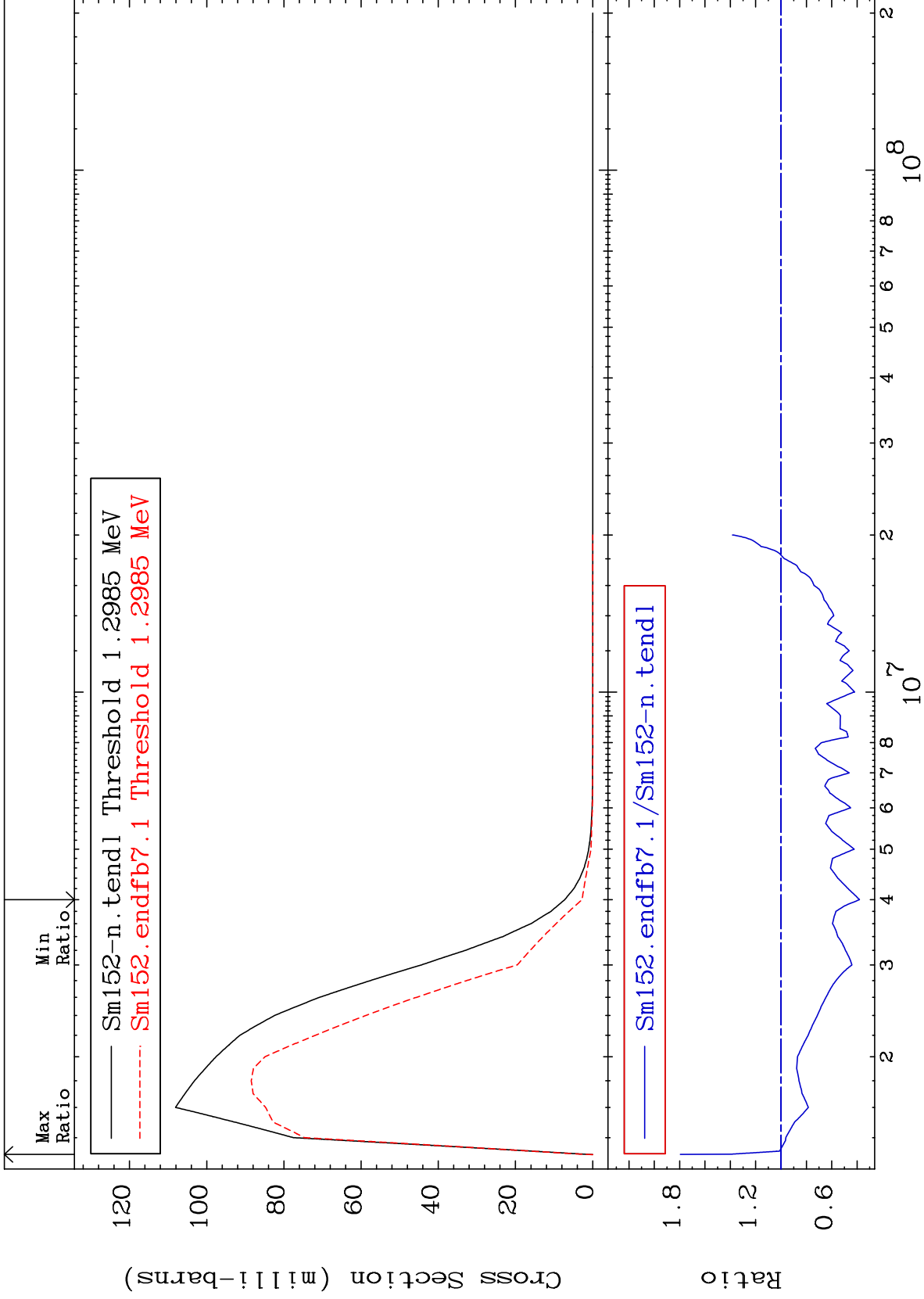




MAT 6249

1.290 MeV (n,n') Level
Cross Section

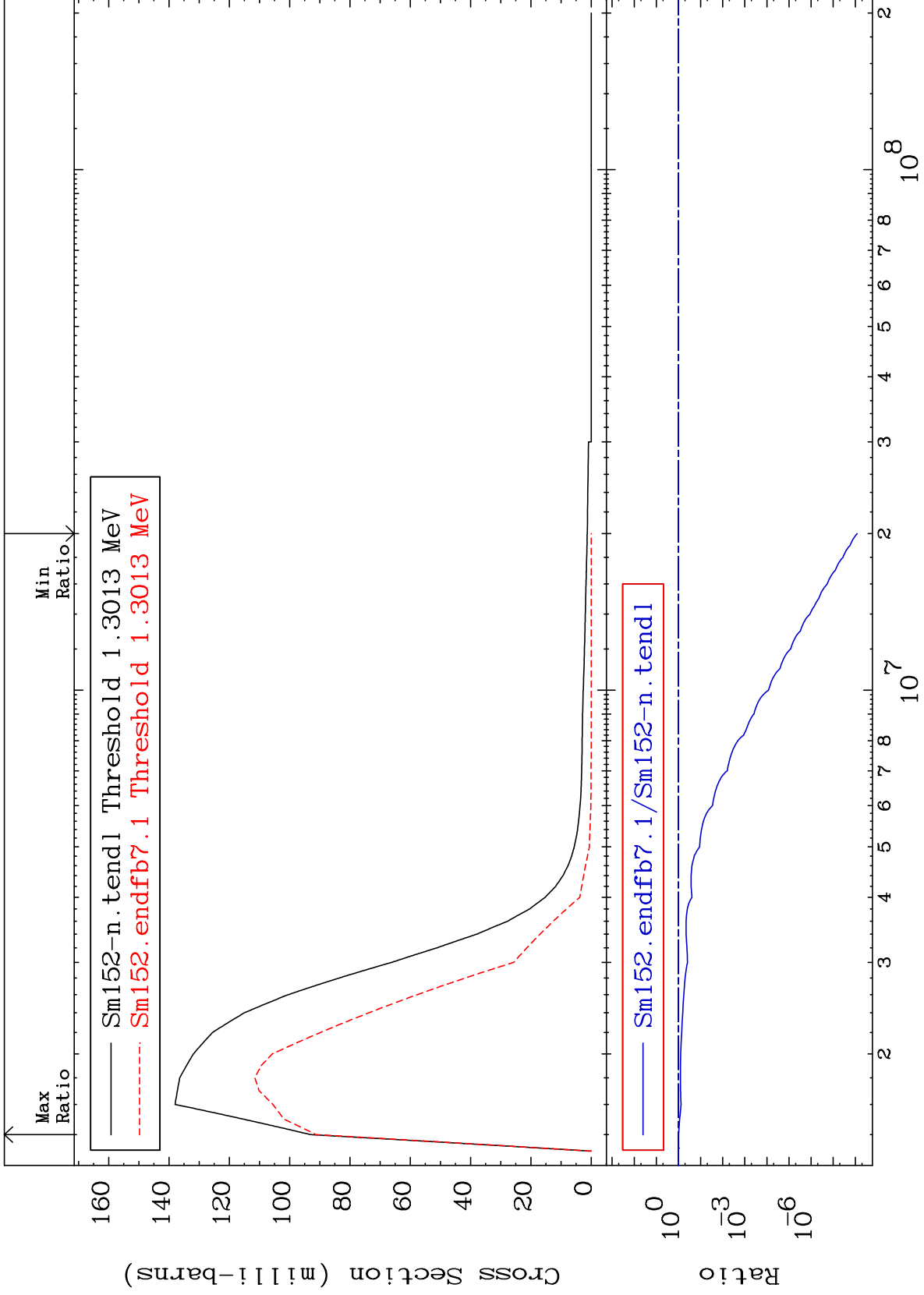
62-Sm-152
-61.87 To 79.42 %



MAT 6249

1.293 MeV (n,n') Level
Cross Section

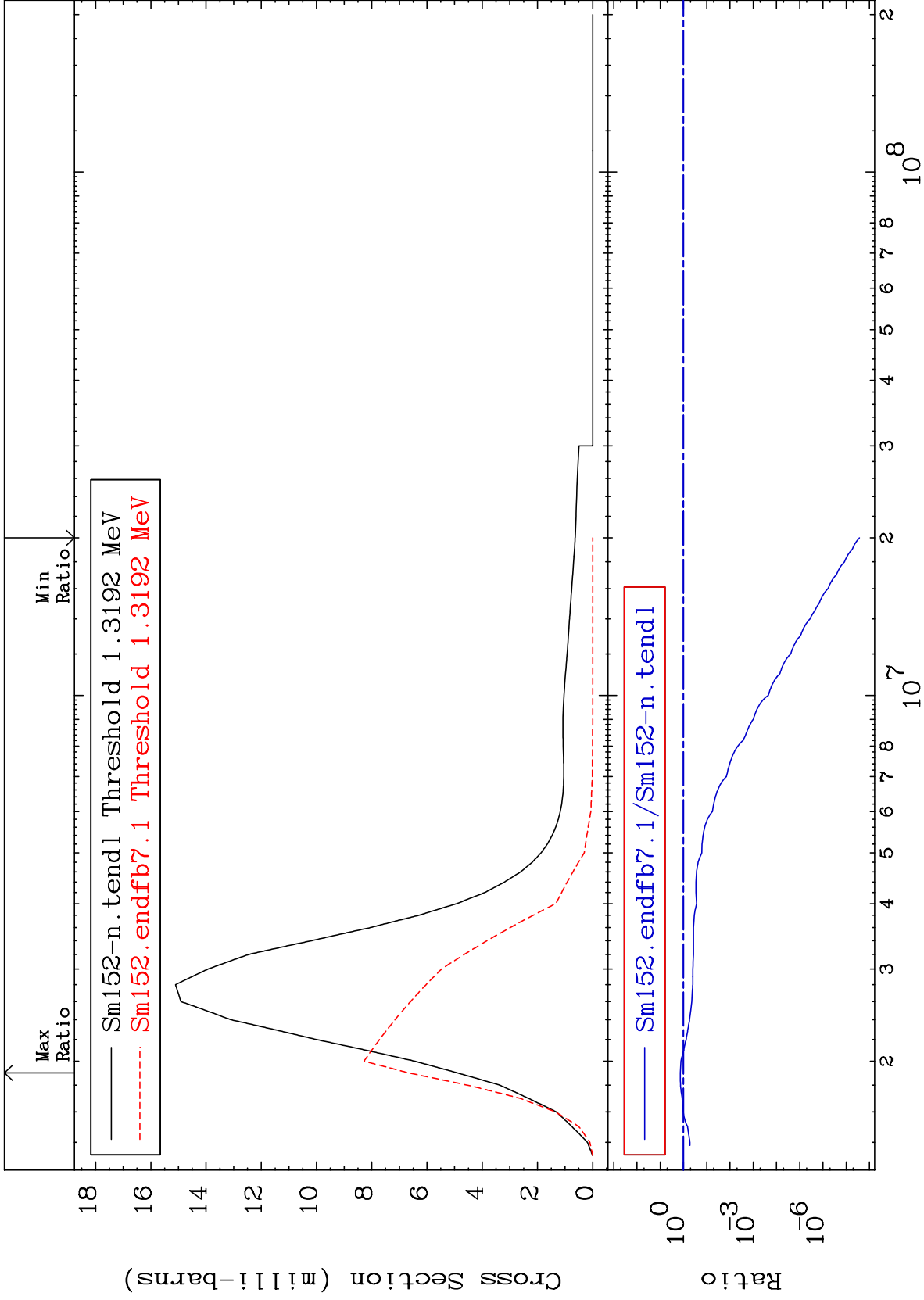
62-Sm-152
-100.0 To -1.952%



MAT 6249

1.311 MeV (n,n') Level
Cross Section

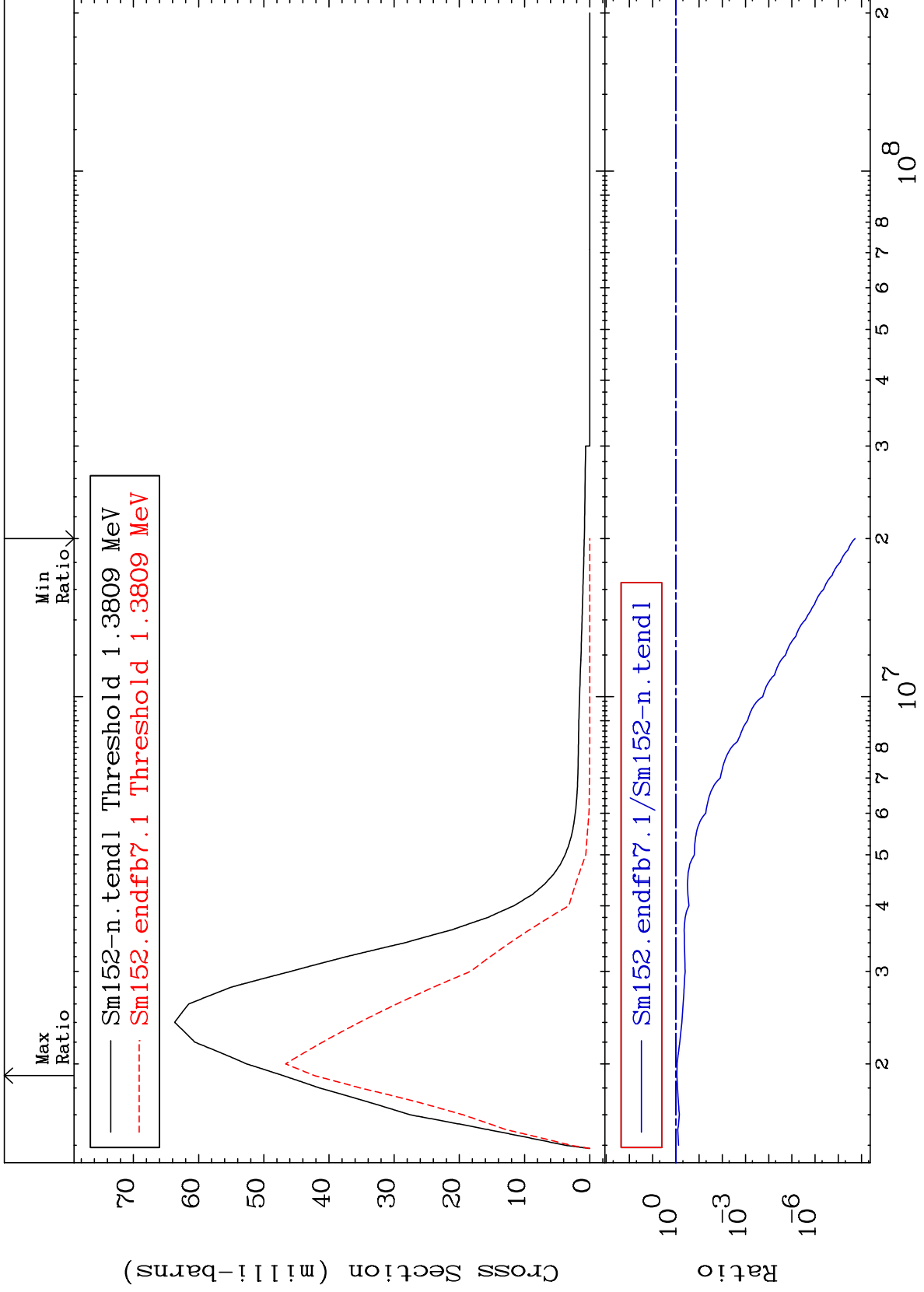
62-Sm-152
-100.0 To 36.04 %



MAT 6249

1.372 MeV (n,n') Level
Cross Section

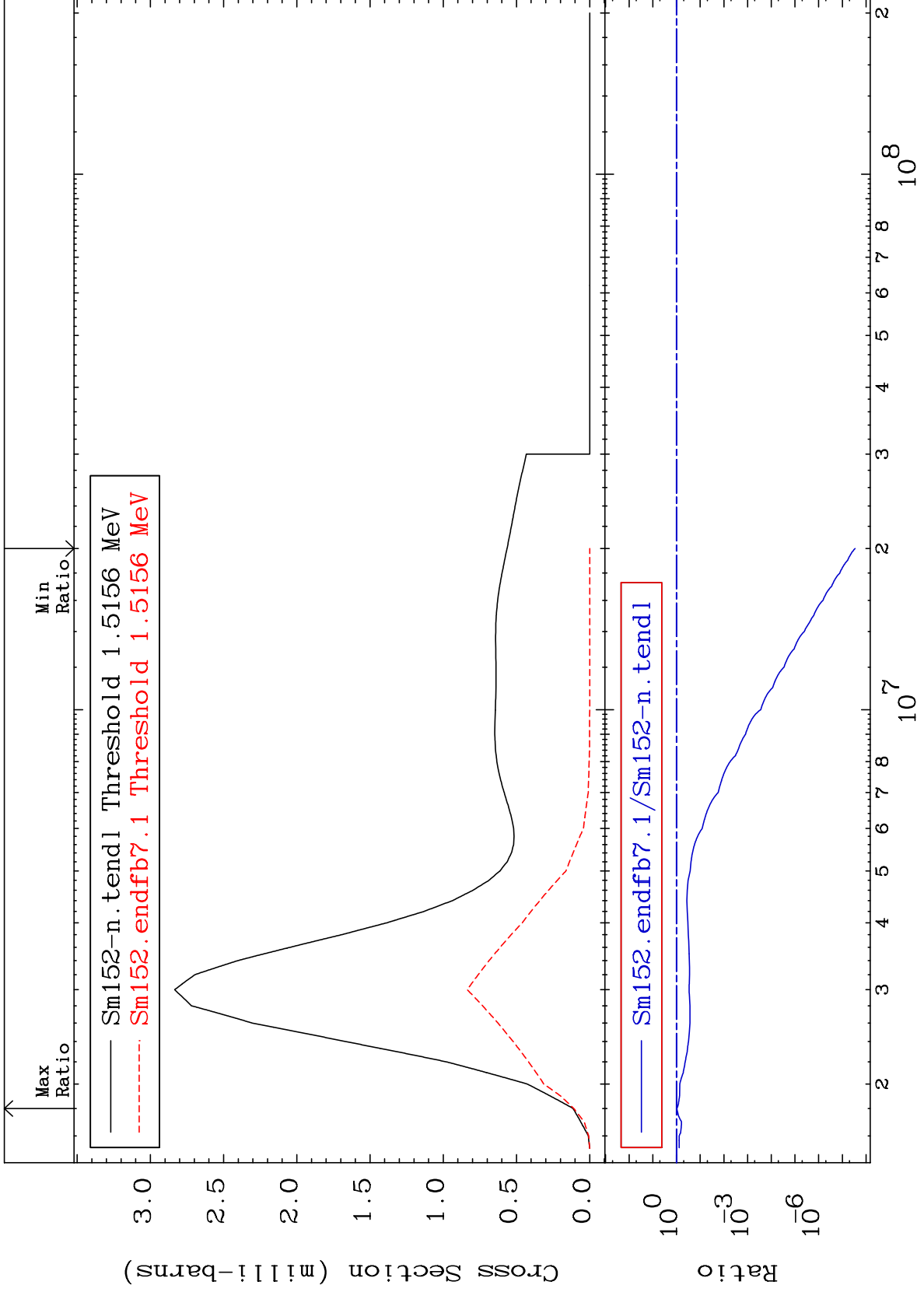
62-Sm-152
-100.0 To -10.24%



MAT 6249

1.506 MeV (n,n') Level
Cross Section

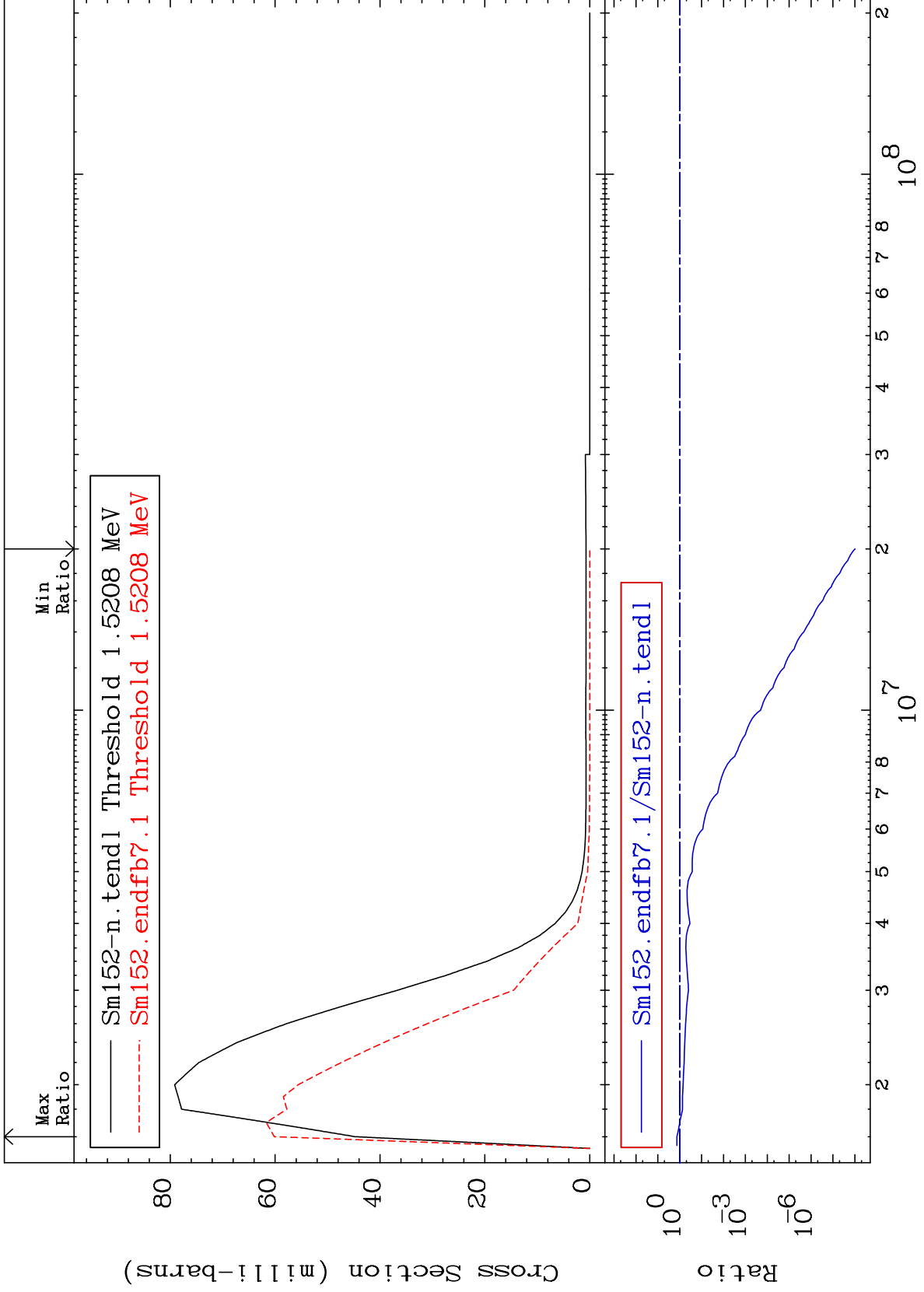
62-Sm-152
-100.0 To -3.985%



MAT 6249

1.511 MeV (n,n') Level
Cross Section

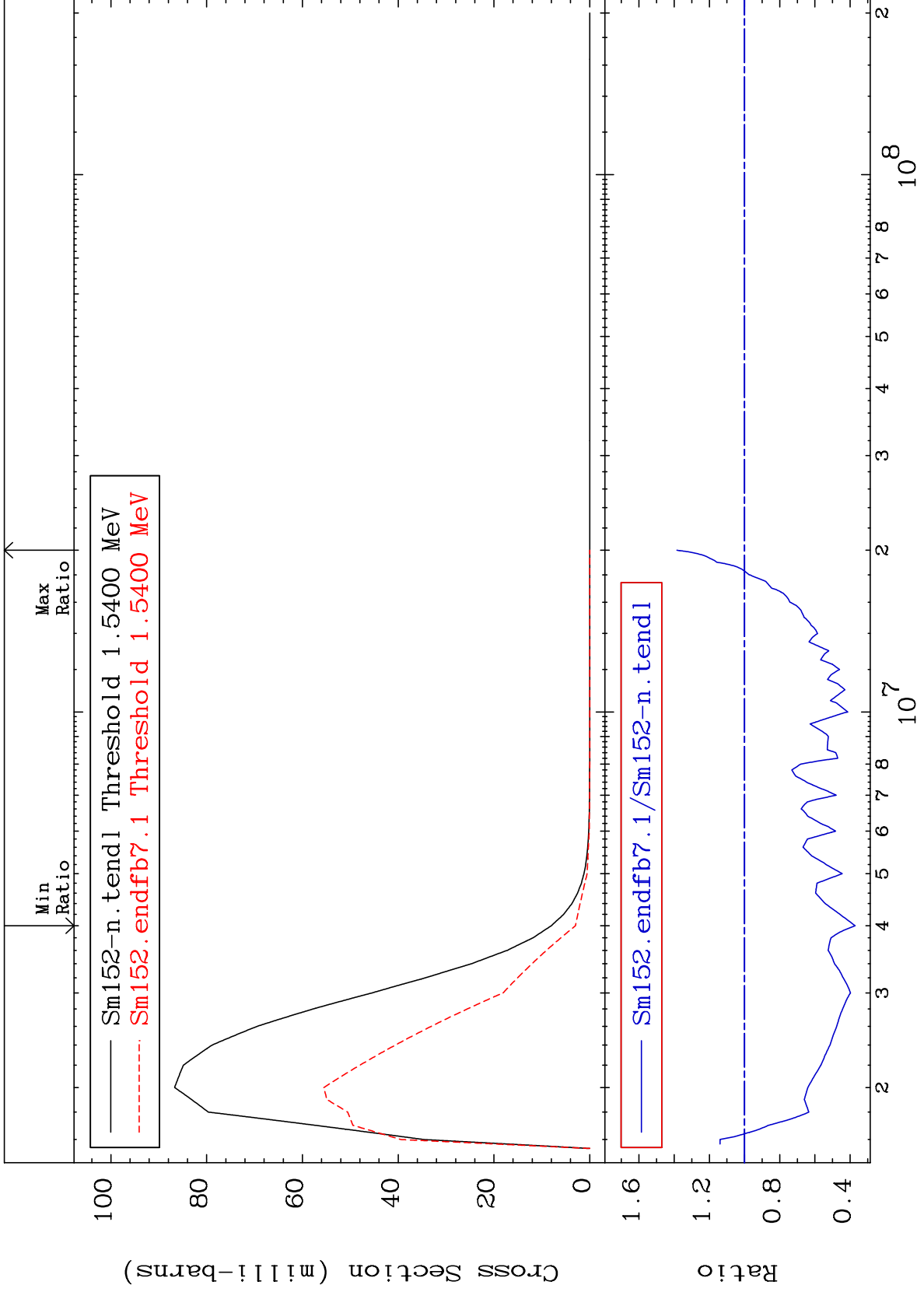
62-Sm-152
-100.0 To 34.41 %



MAT 6249

1.530 MeV (n,n') Level
Cross Section

62-Sm-152
-62.83 To 38.43 %



30

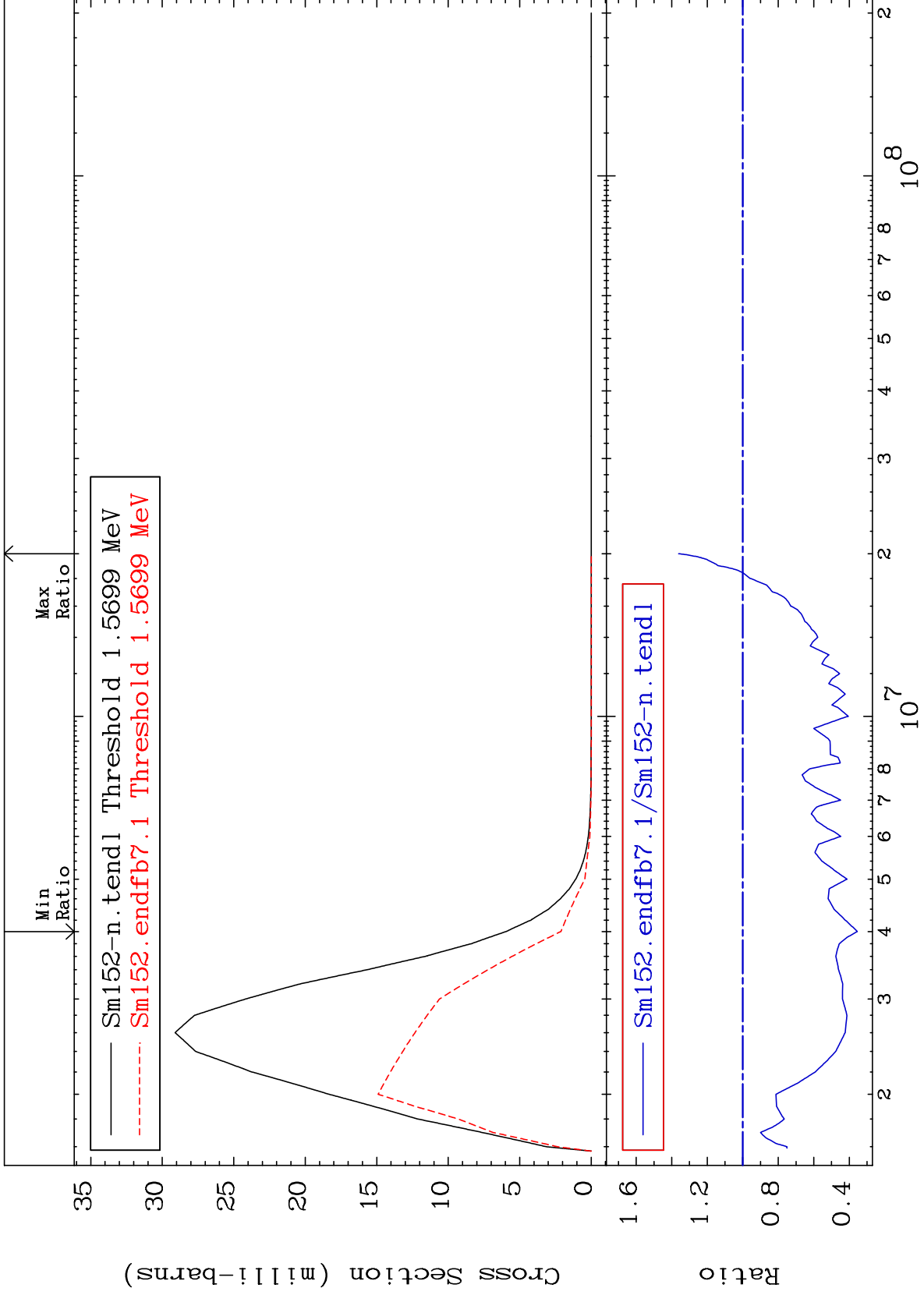
Incident Energy (eV)

62-Sm-152

MAT 6249

1.560 MeV (n,n') Level
Cross Section

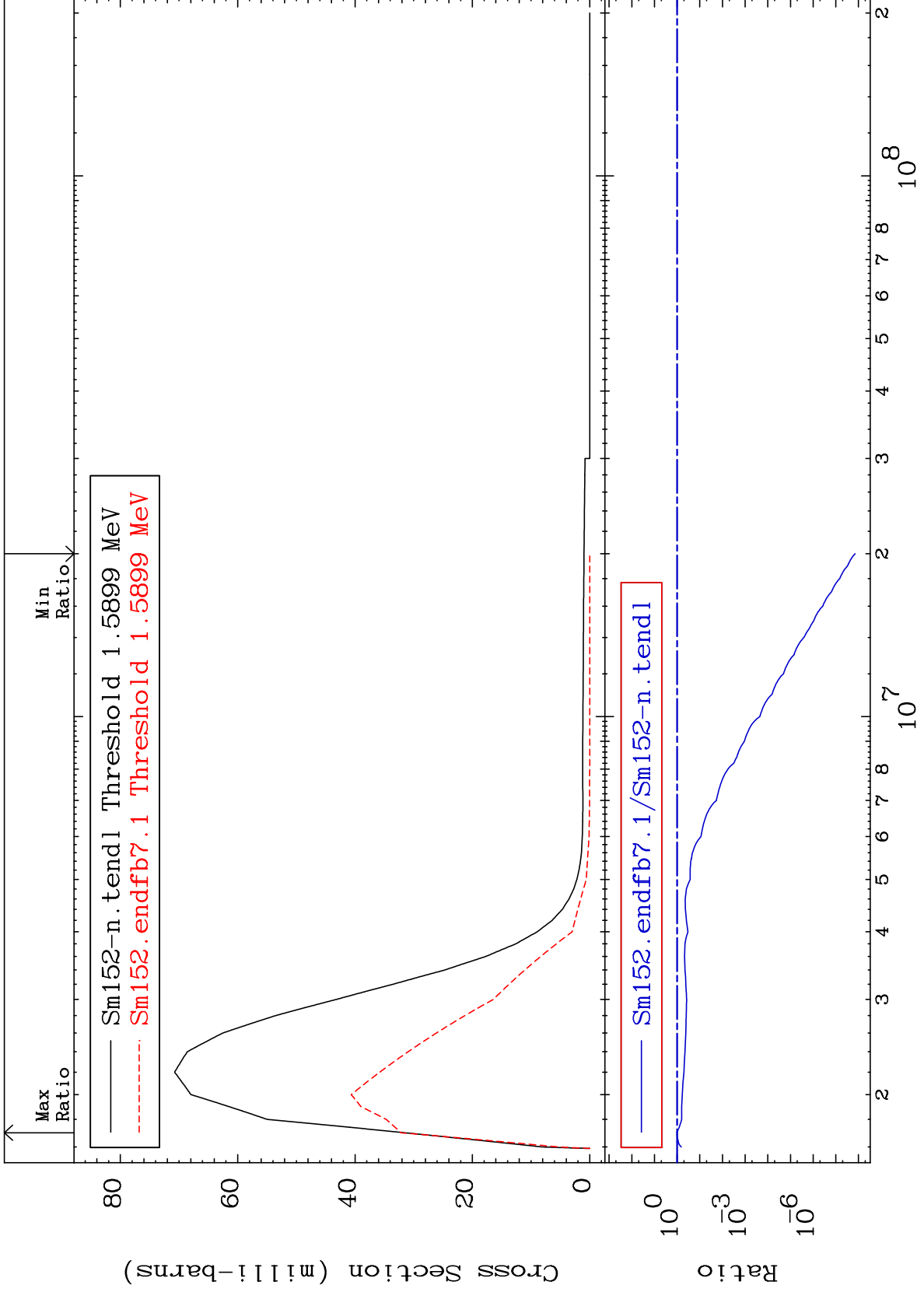
62-Sm-152
-64.47 To 36.10 %



MAT 6249

1.579 MeV (n,n') Level
Cross Section

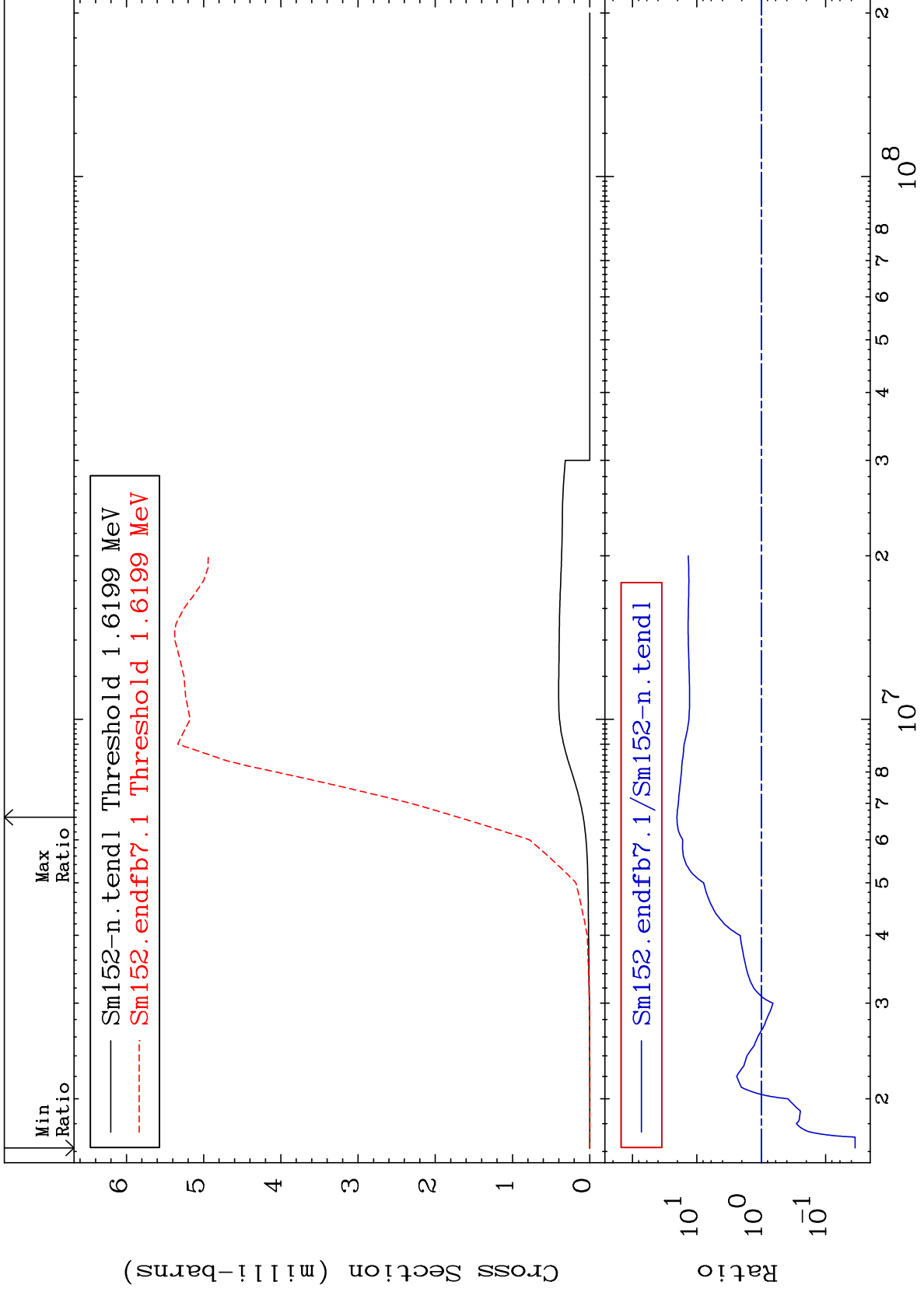
62-Sm-152
-100.0 To 2.083 %



MAT 6249

1.609 MeV (n,n') Level
Cross Section

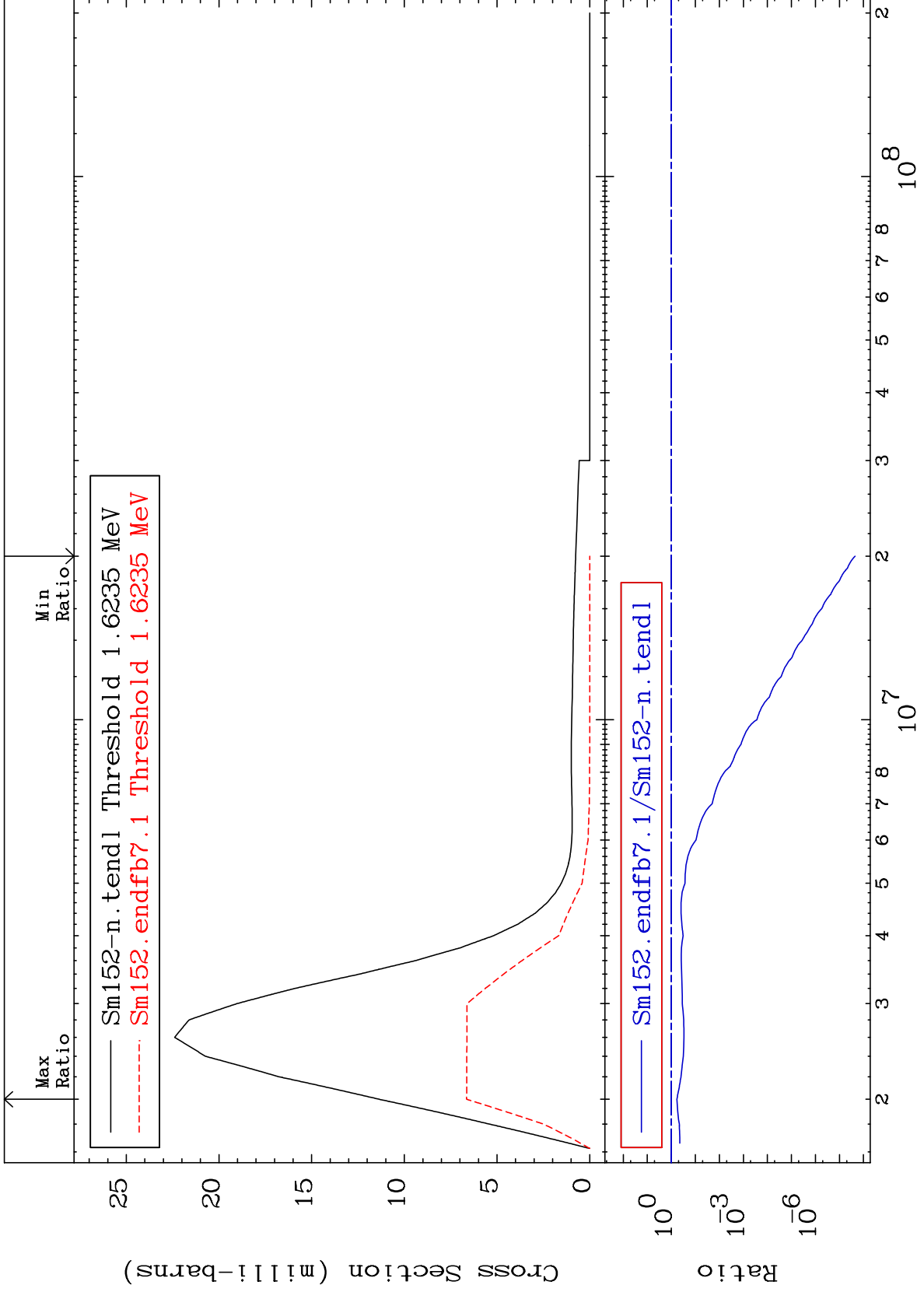
62-Sm-152
-96.51 To 1938. %



MAT 6249

1.613 MeV (n,n') Level
Cross Section

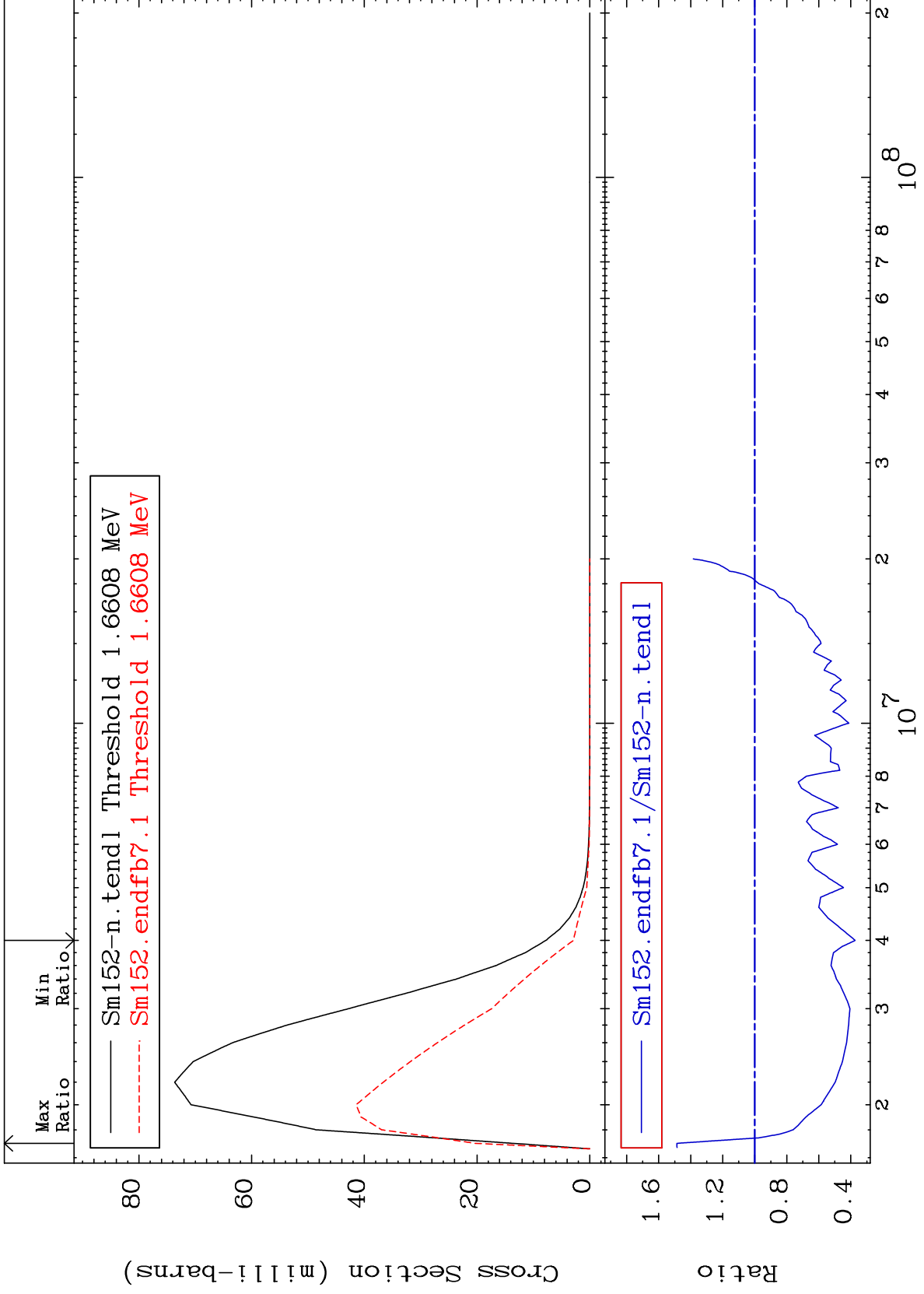
62-Sm-152
-100.0 To -41.54%



MAT 6249

1.650 MeV (n,n') Level
Cross Section

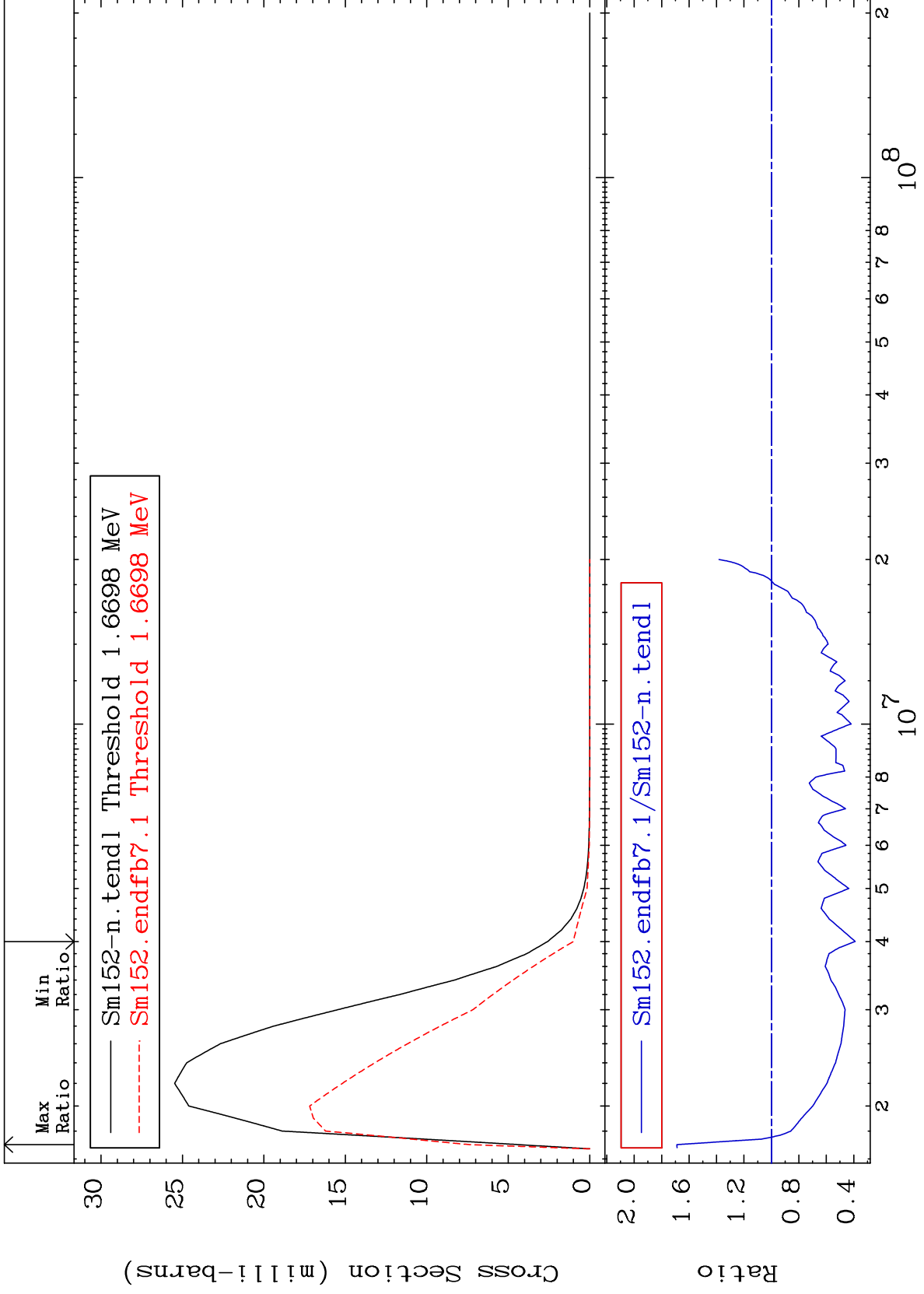
62-Sm-152
-62.67 To 48.63 %



MAT 6249

1.659 MeV (n,n') Level
Cross Section

62-Sm-152
-60.98 To 68.86 %



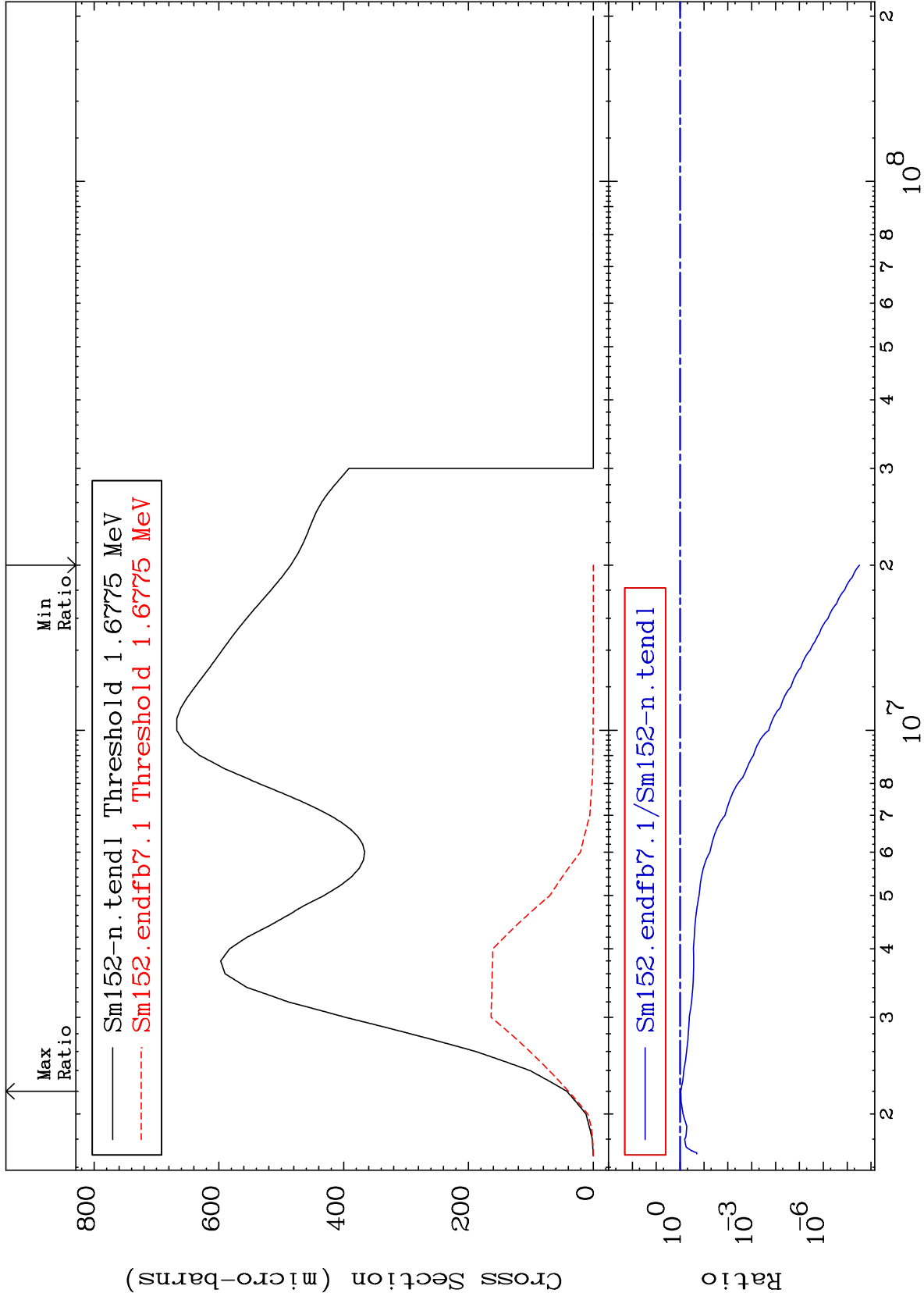
MAT 6249

1.666 MeV (n,n') Level

62-Sm-152

-100.0 To -6.208%

Cross Section



37

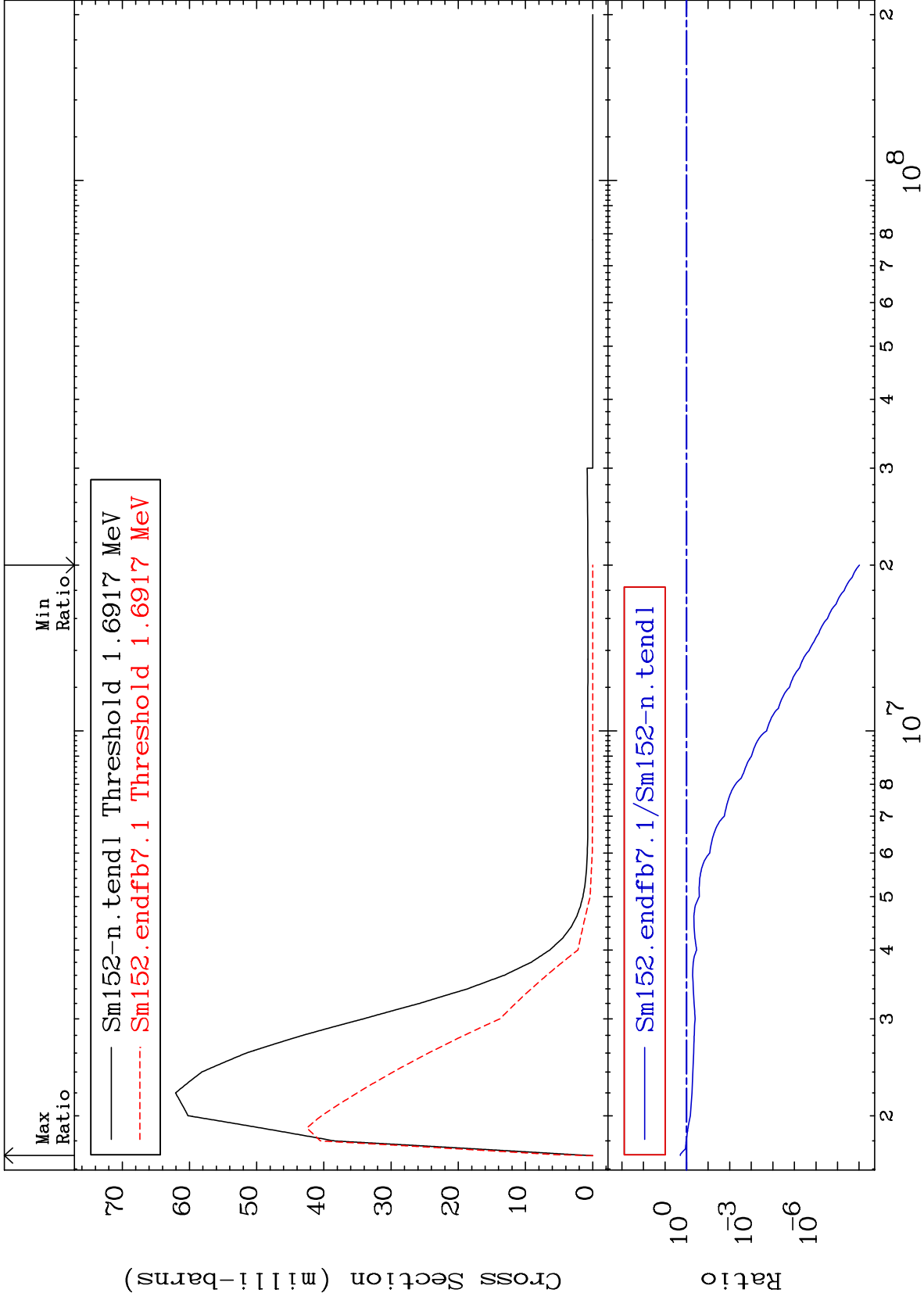
Incident Energy (eV)

62-Sm-152

MAT 6249

1.681 MeV (n,n') Level
Cross Section

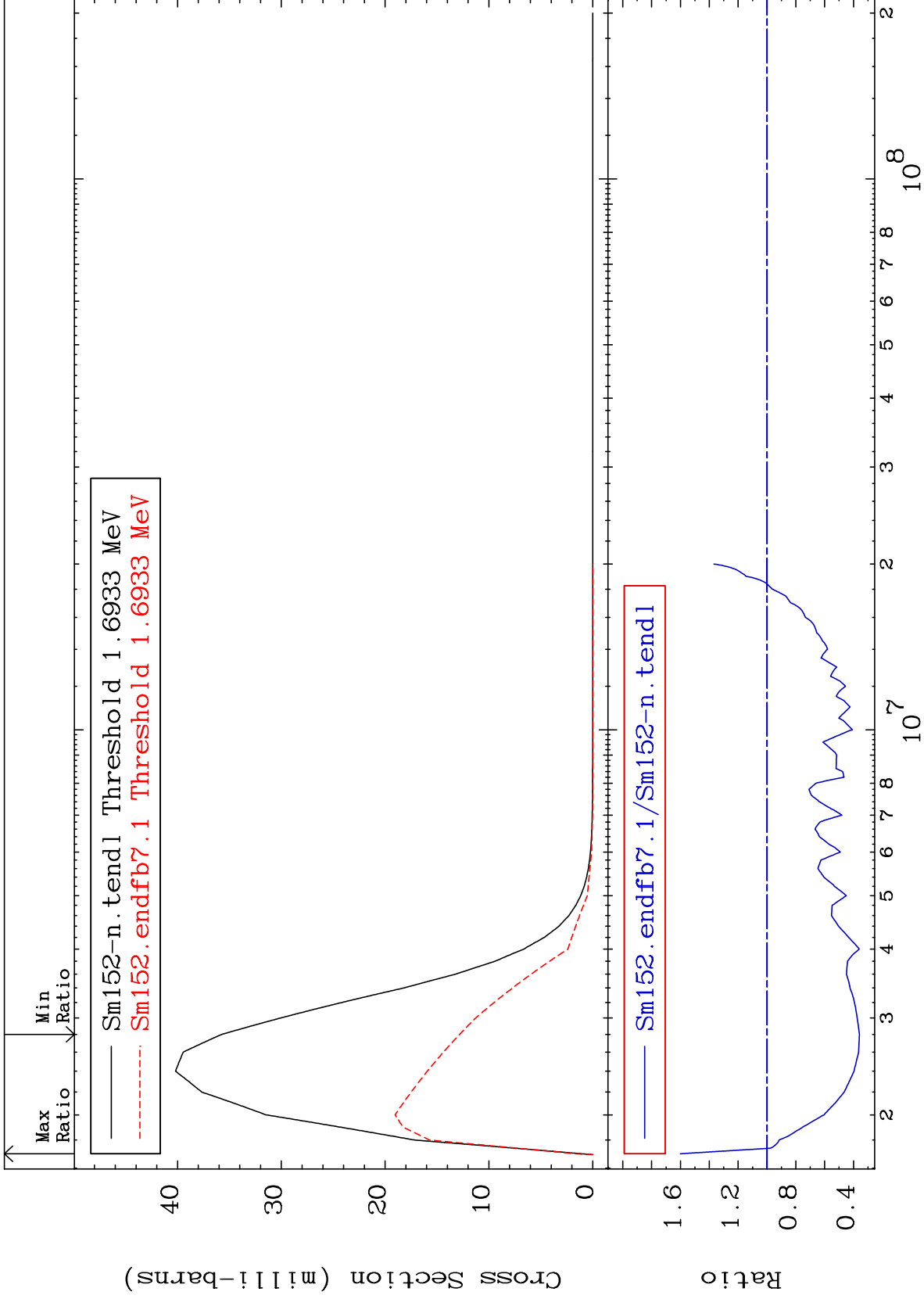
62-Sm-152
-100.0 To 94.25 %



MAT 6249

1.682 MeV (n,n') Level
Cross Section

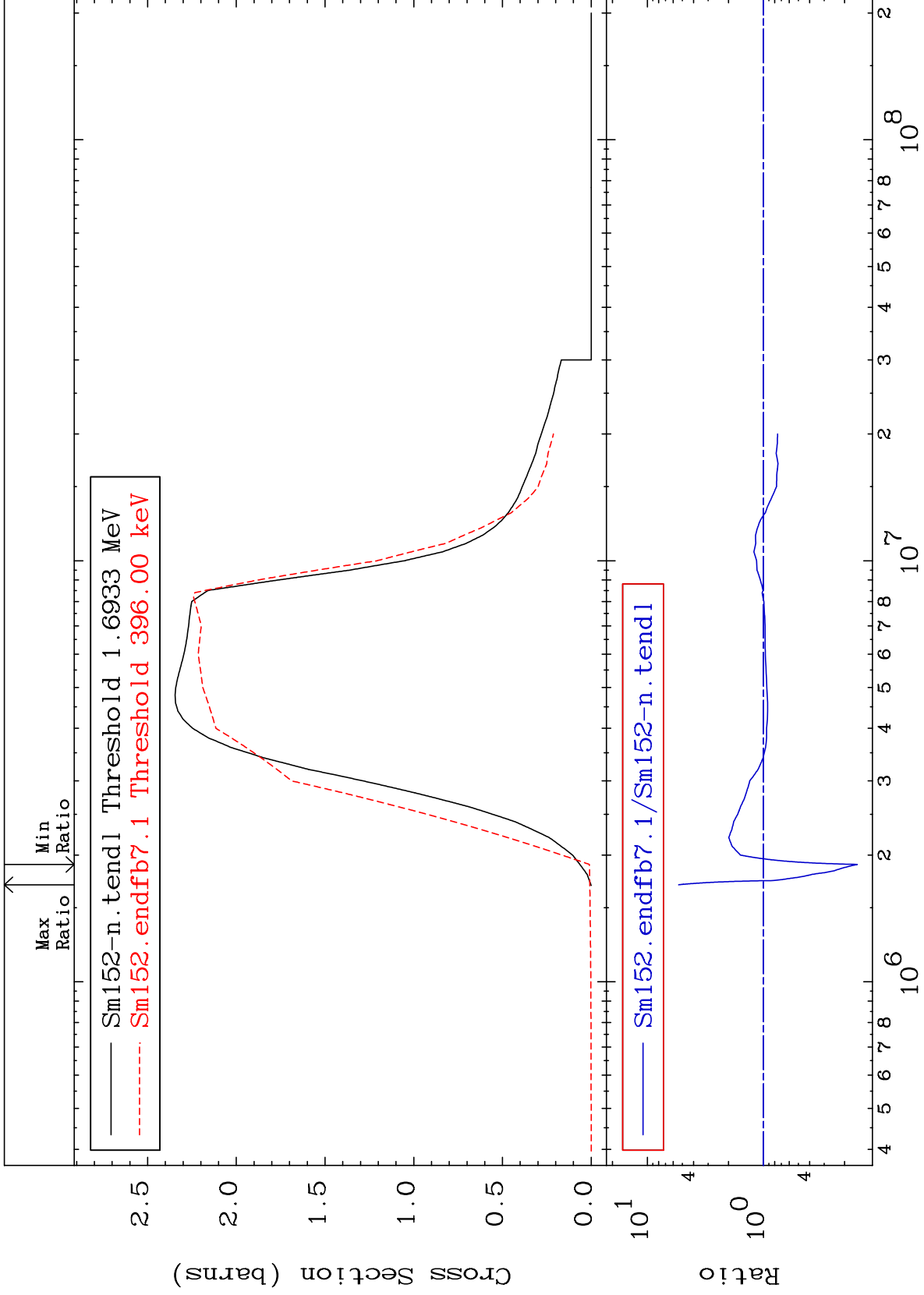
62-Sm-152
-64.12 To 60.08 %



MAT 6249

(n, n') Continuum
Cross Section

62-Sm-152
-84.45 To 438.3 %



40

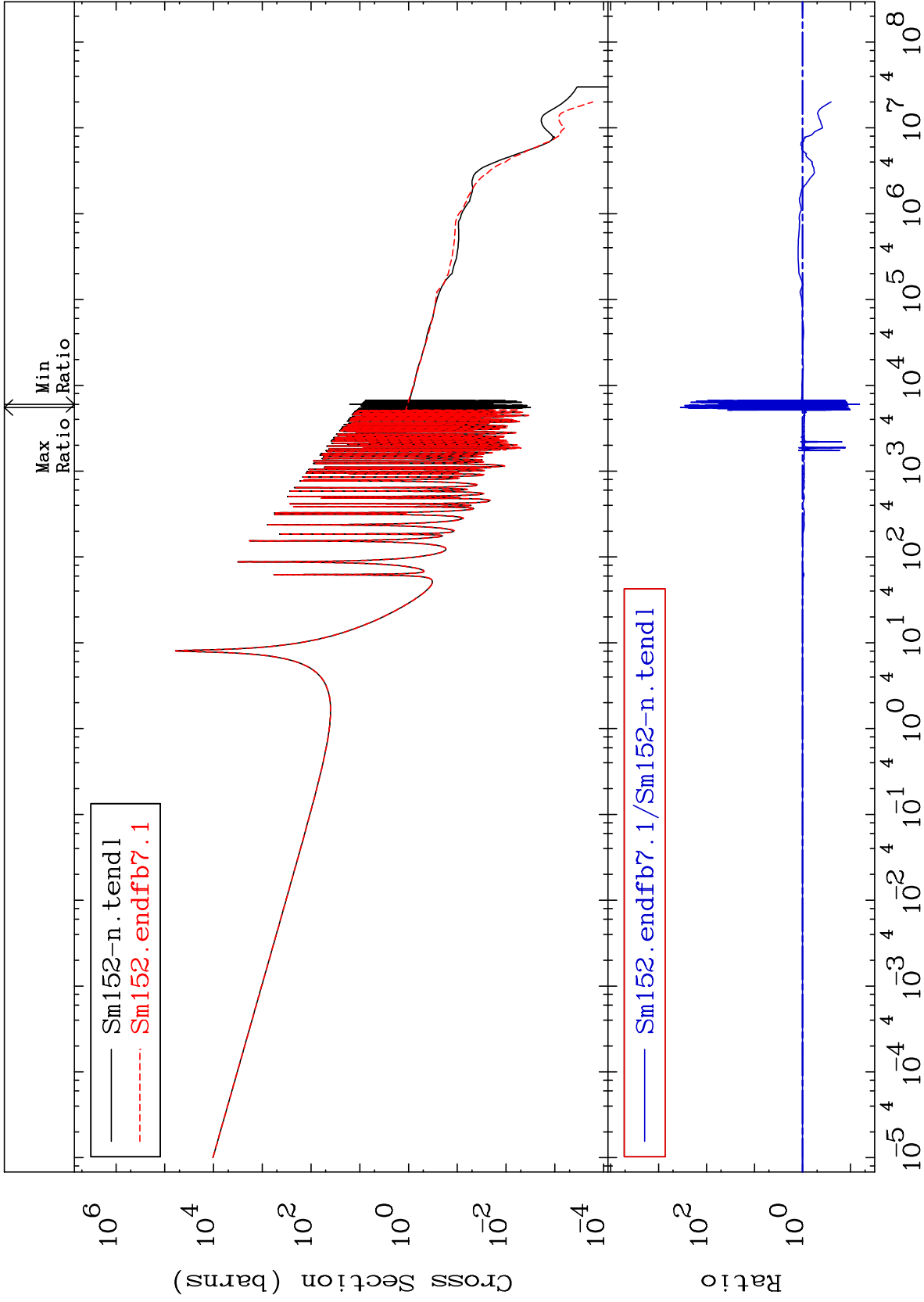
62-Sm-152

62-Sm-152

MAT 6249

(n, γ)
Cross Section

62-Sm-152
-93.47 To 9999. %



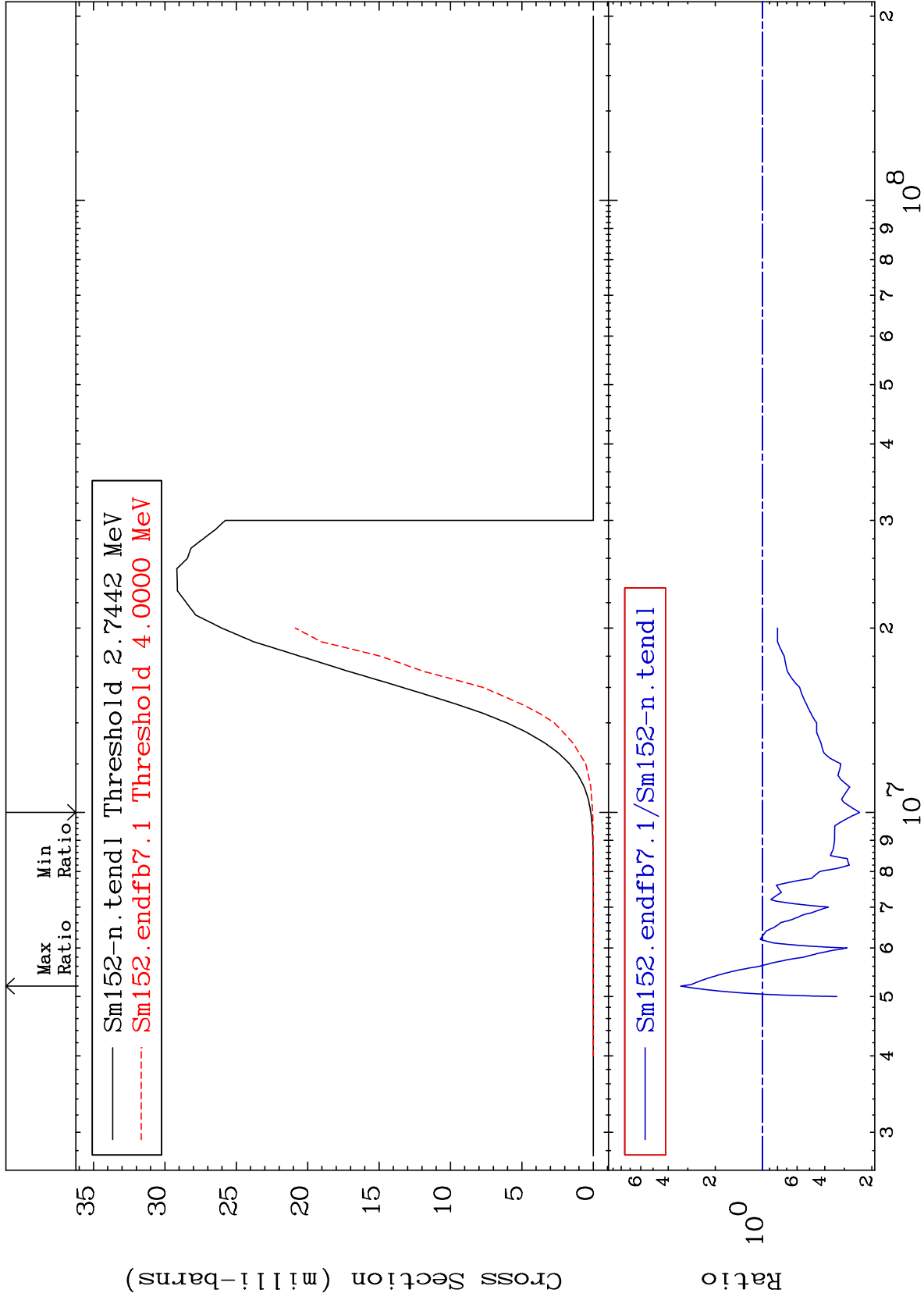
MAT 6249

(n,p)

62-Sm-152

Cross Section

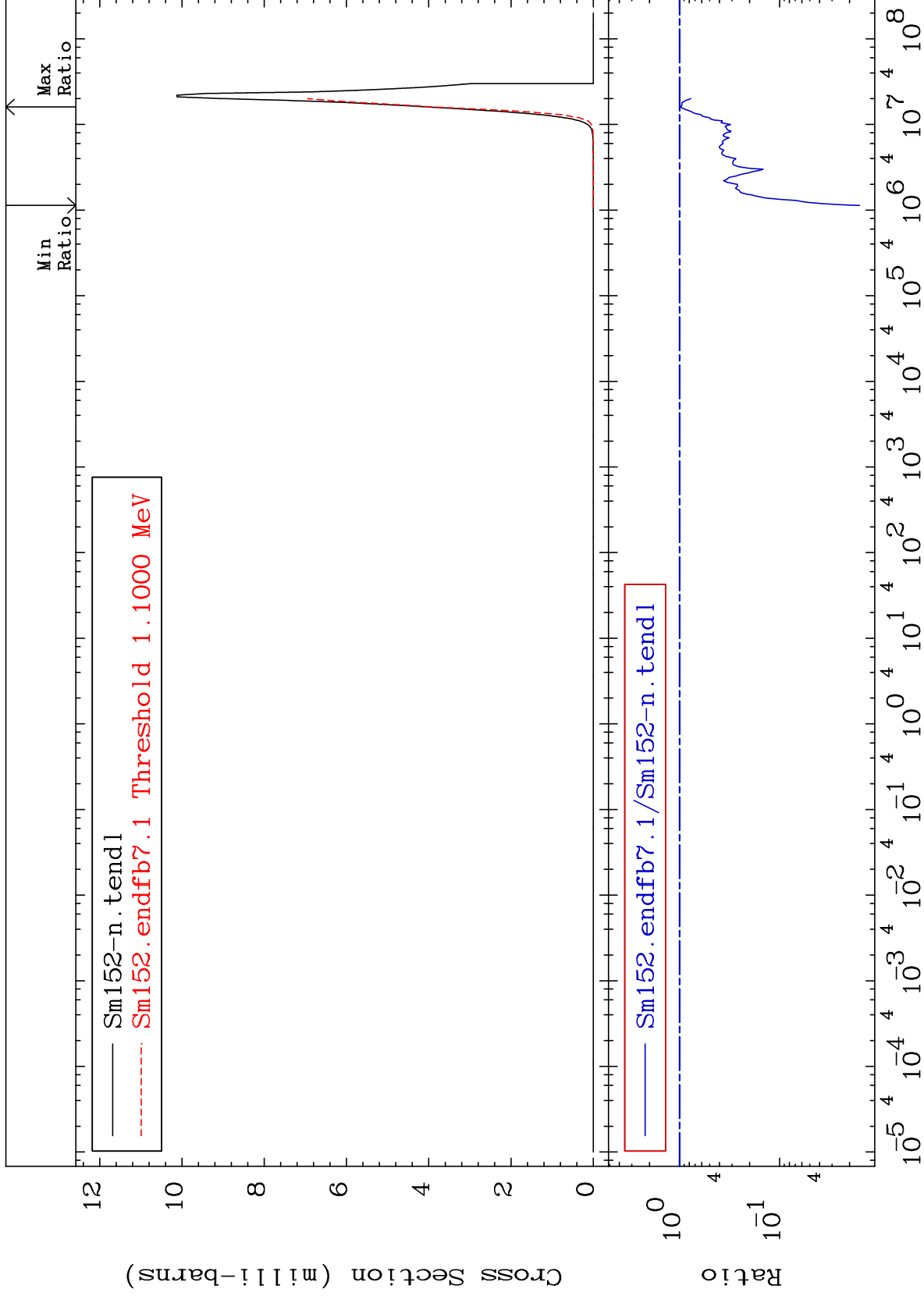
-76.04 To 232.7 %



MAT 6249

(n, α)
Cross Section

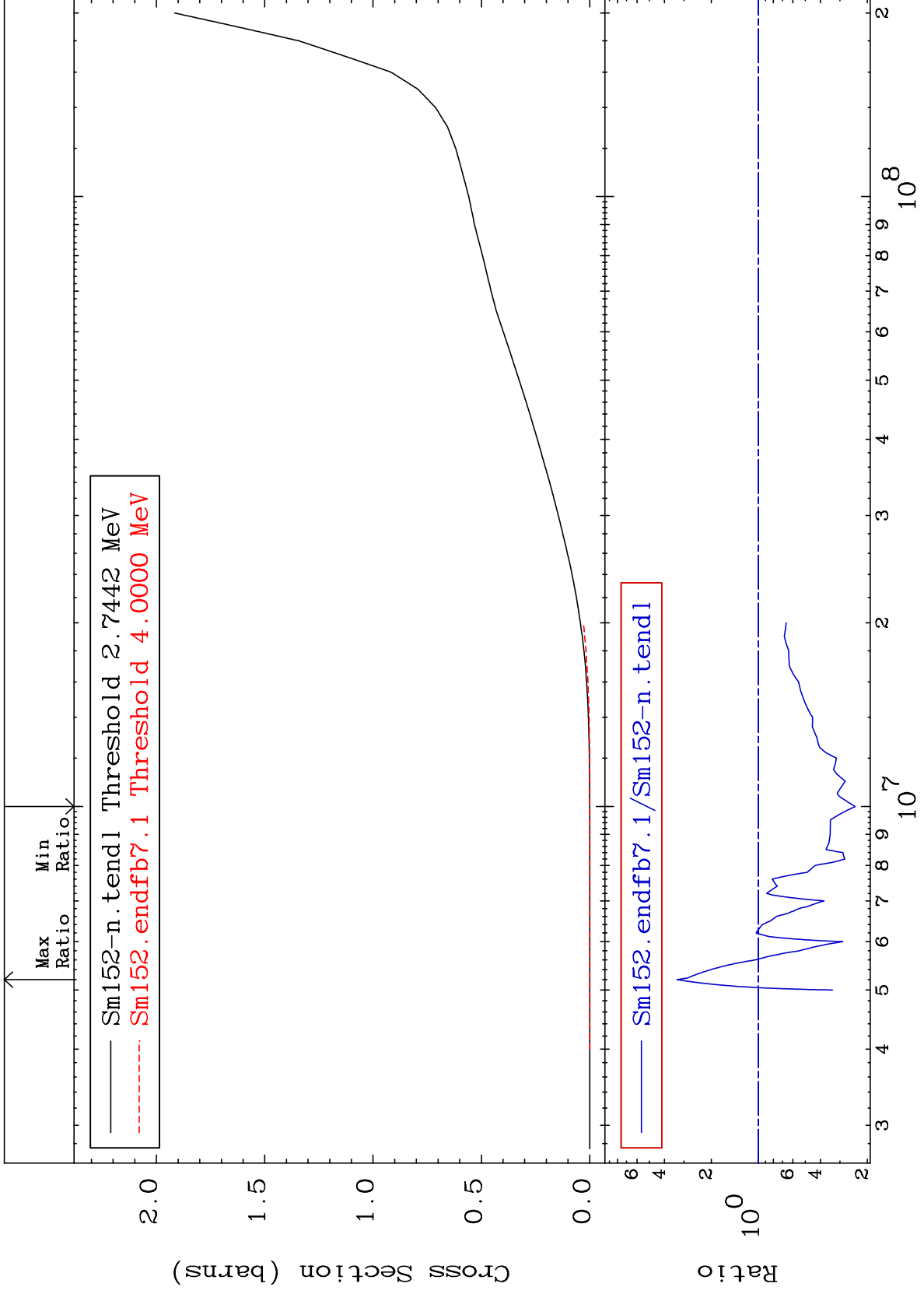
62-Sm-152
-98.41 To -2.708%



43

Incident Energy (eV)

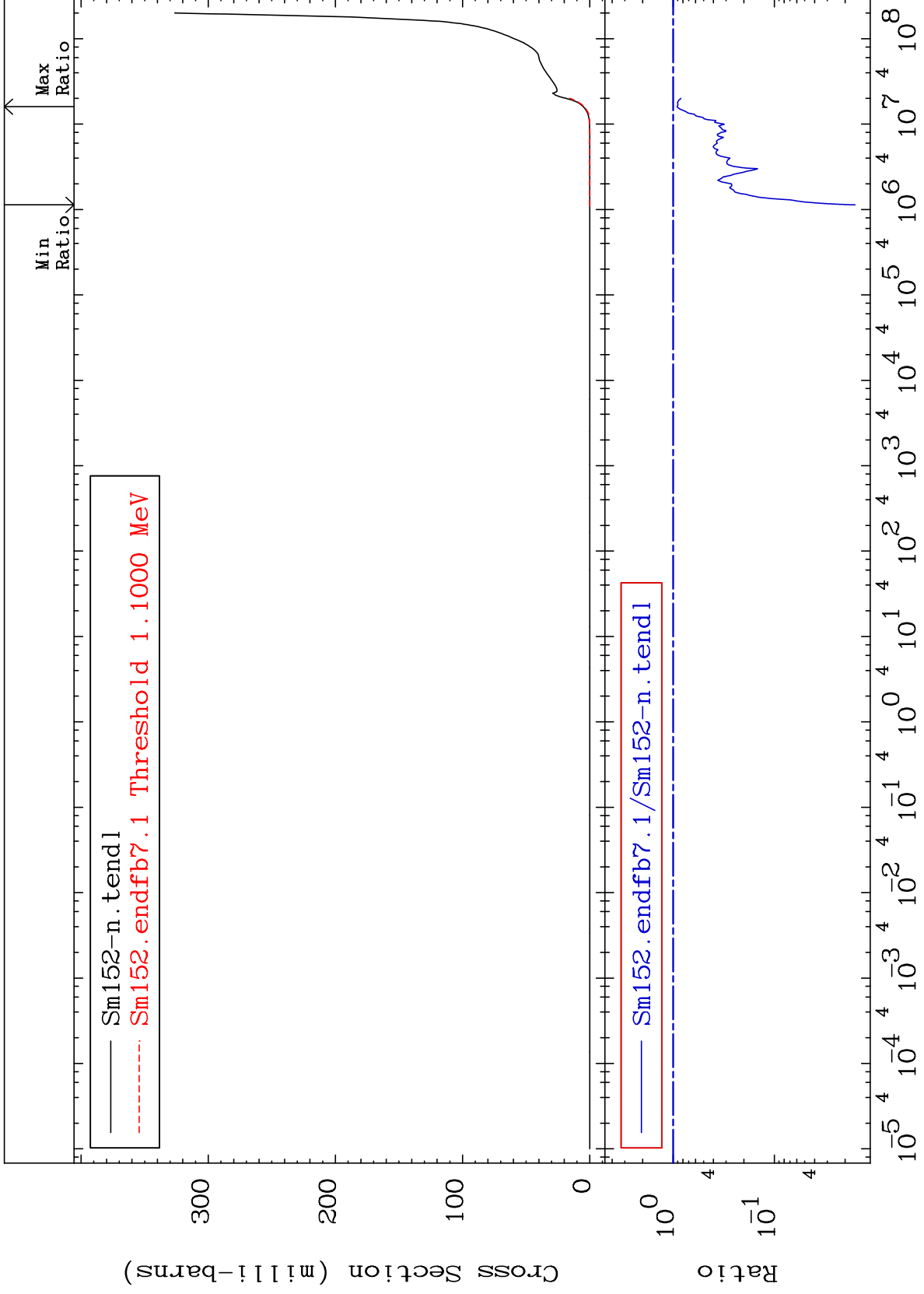
62-Sm-152



MAT 6249

He-4 Production
Cross Section

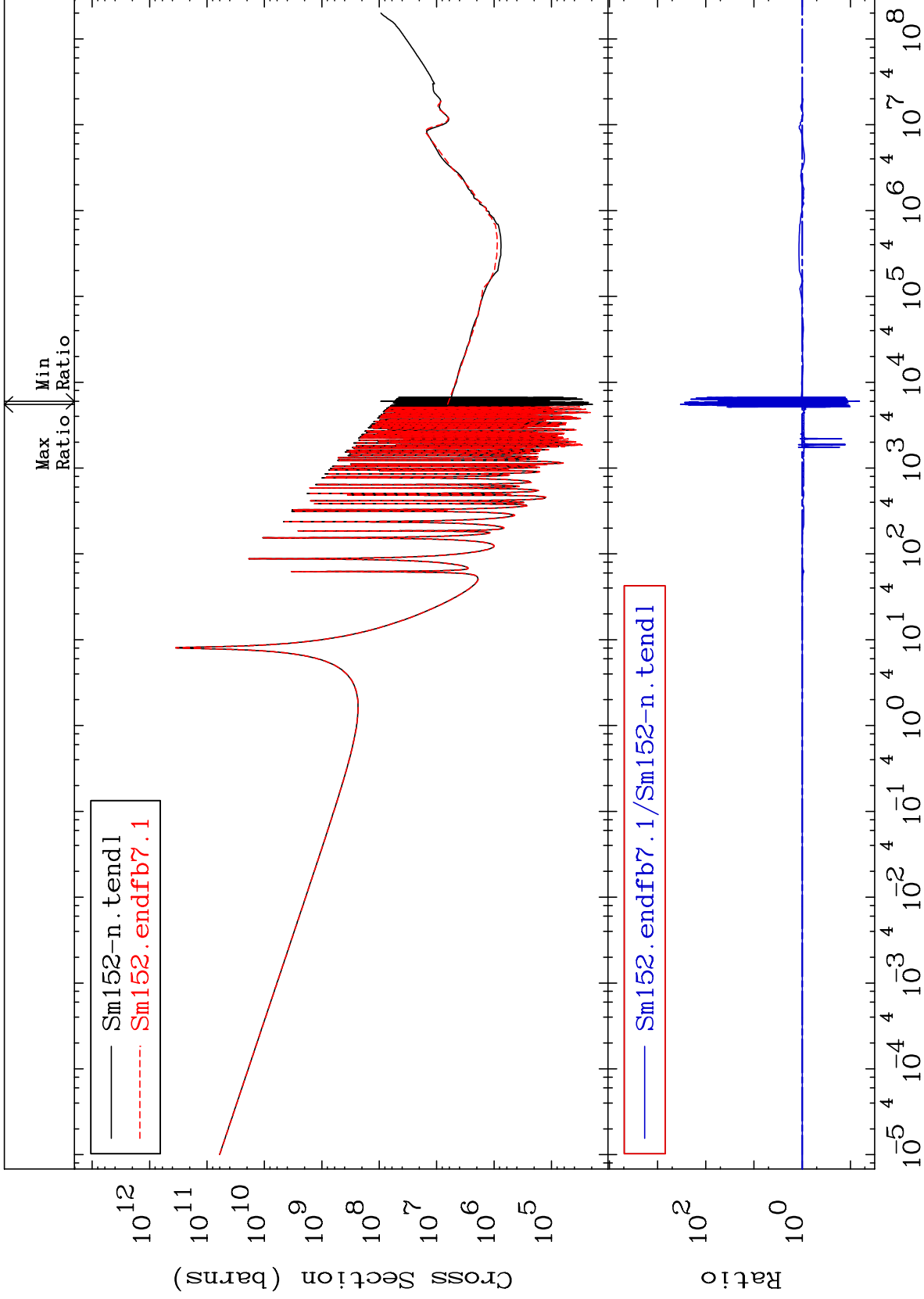
62-Sm-152
-98.41 To -8.284%



Incident Energy (eV)

45

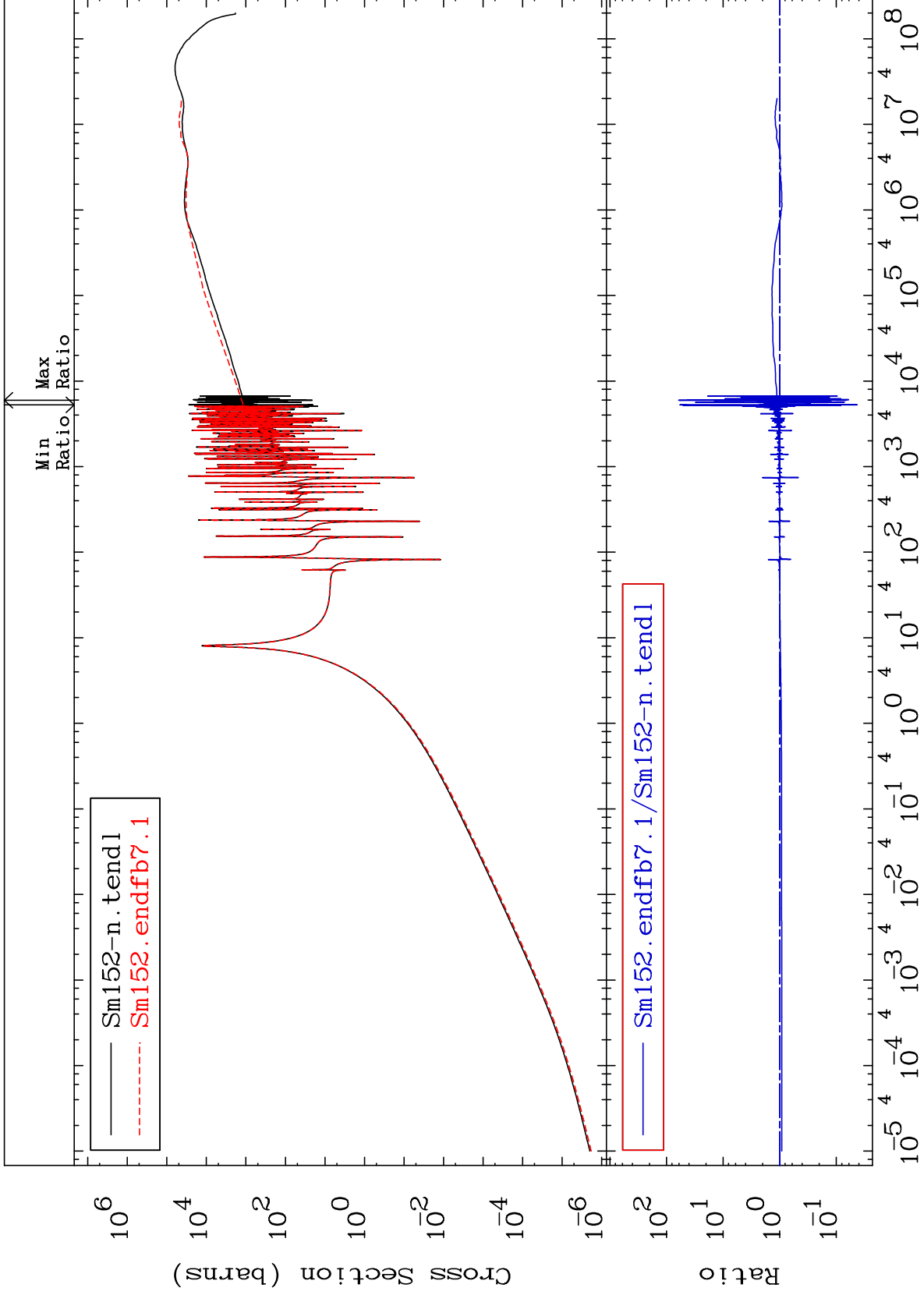
62-Sm-152

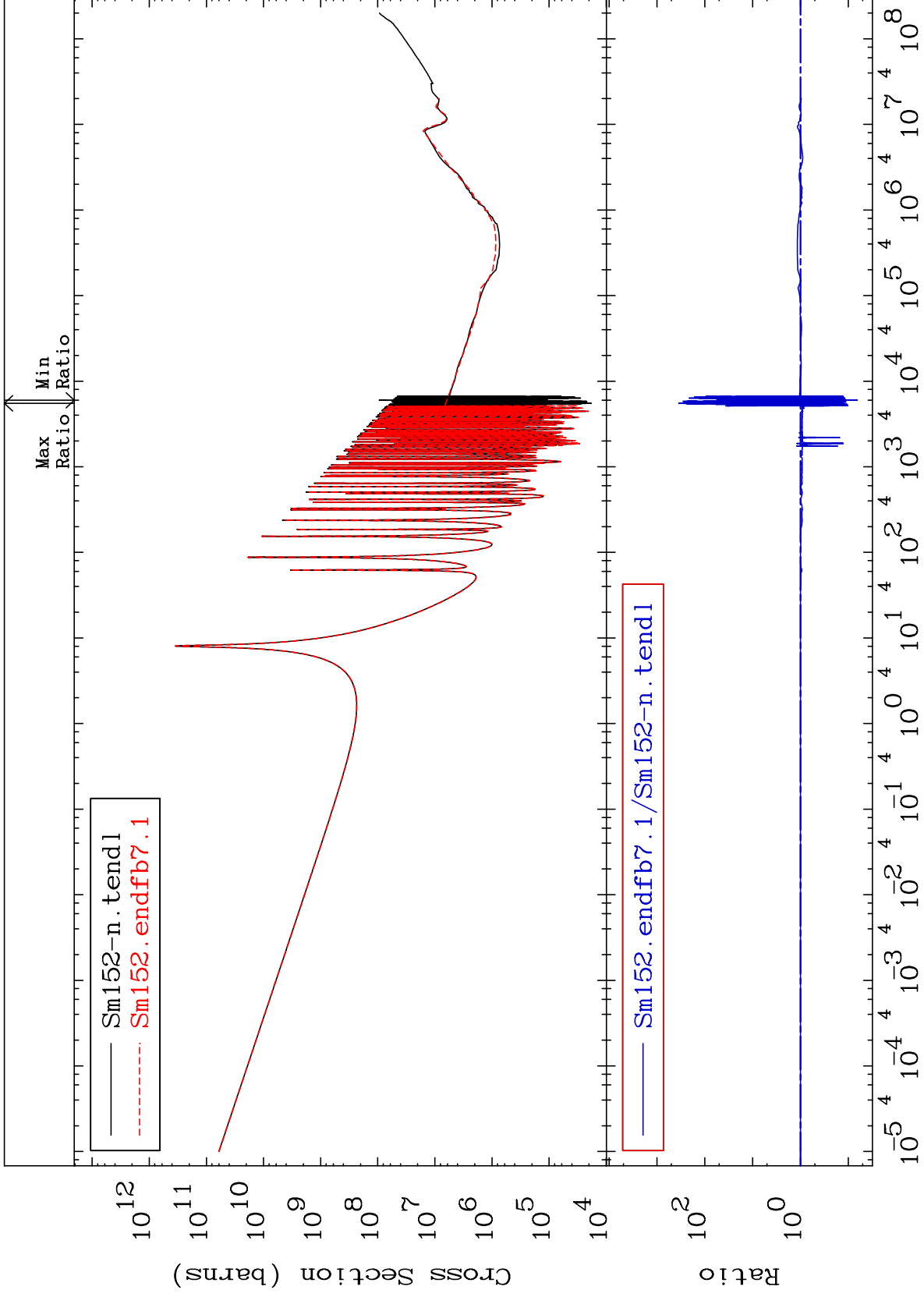


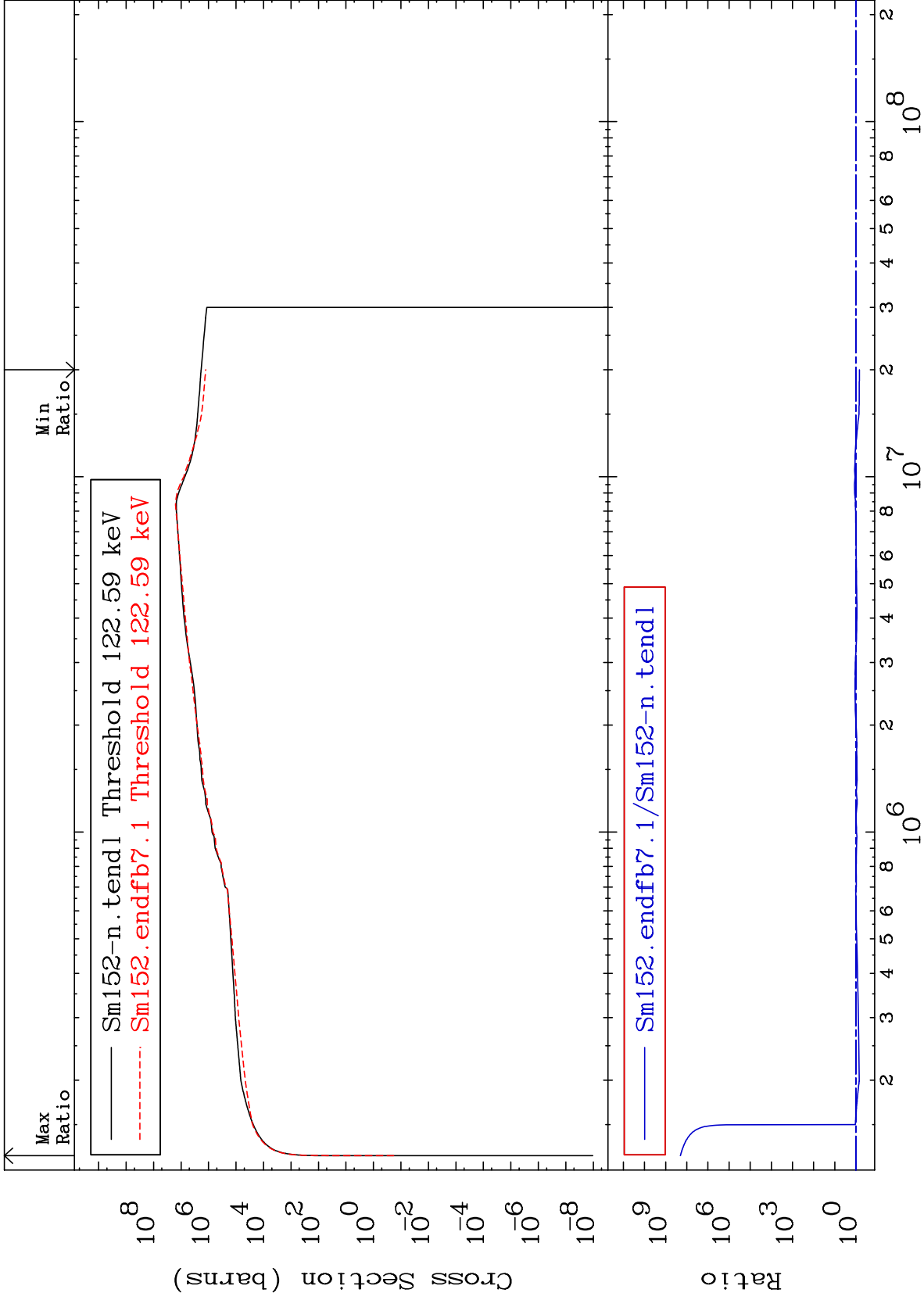
MAT 6249

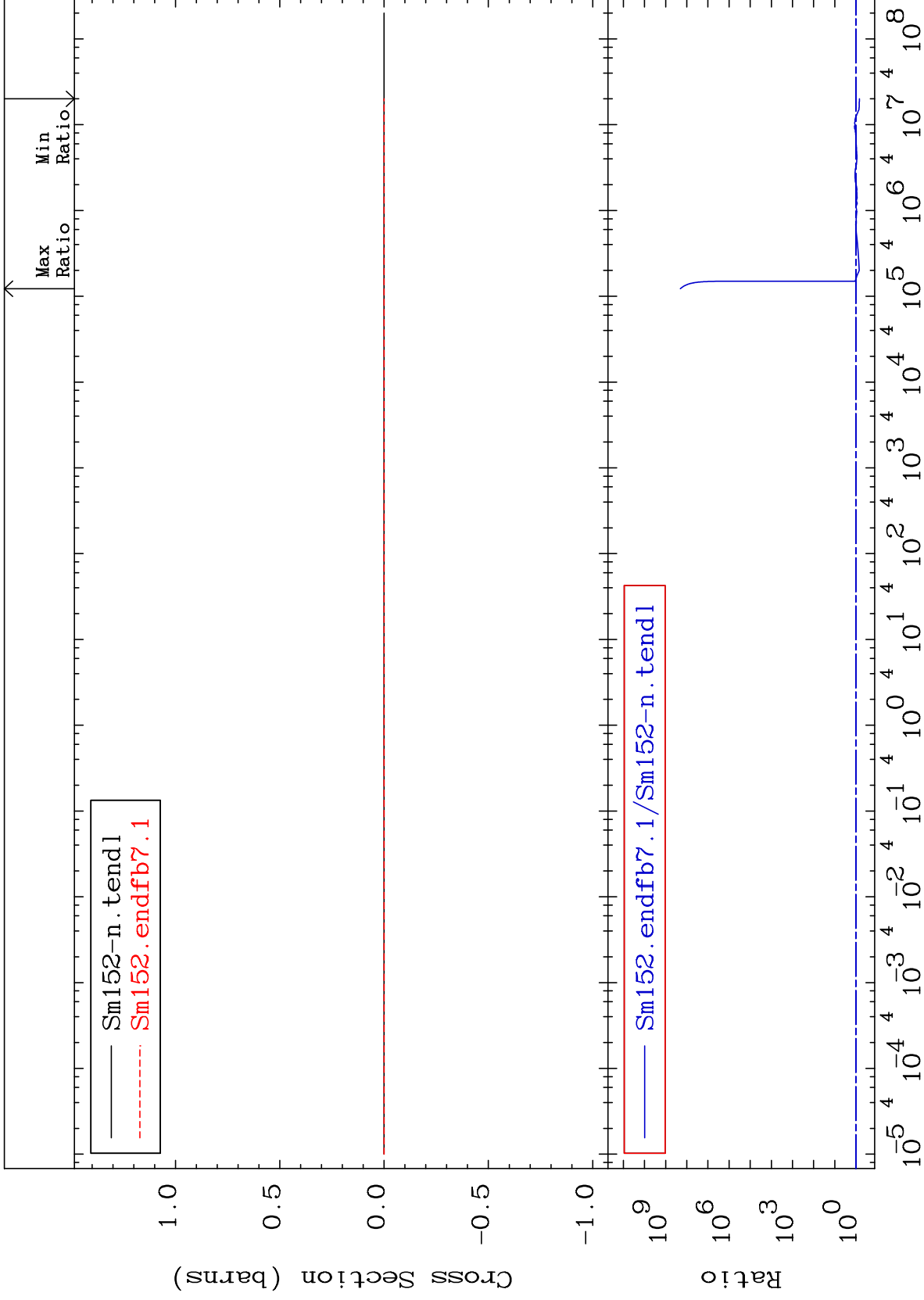
Kerma elastic
Cross Section

62-Sm-152
-95.74 To 6004. %





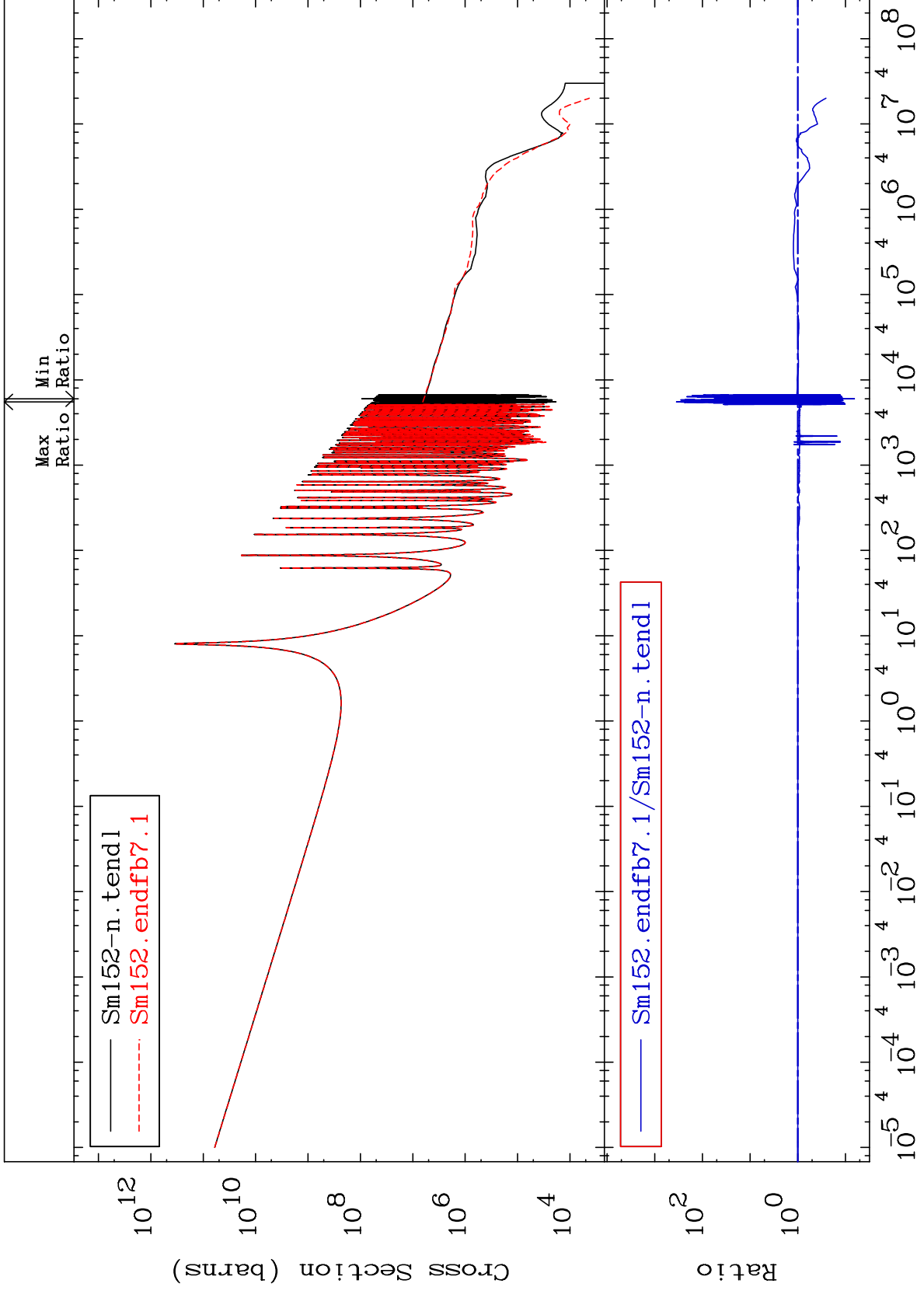




MAT 6249

Kerma capture (mt102)
Cross Section

62-Sm-152
-93.50 To 9999. %



51

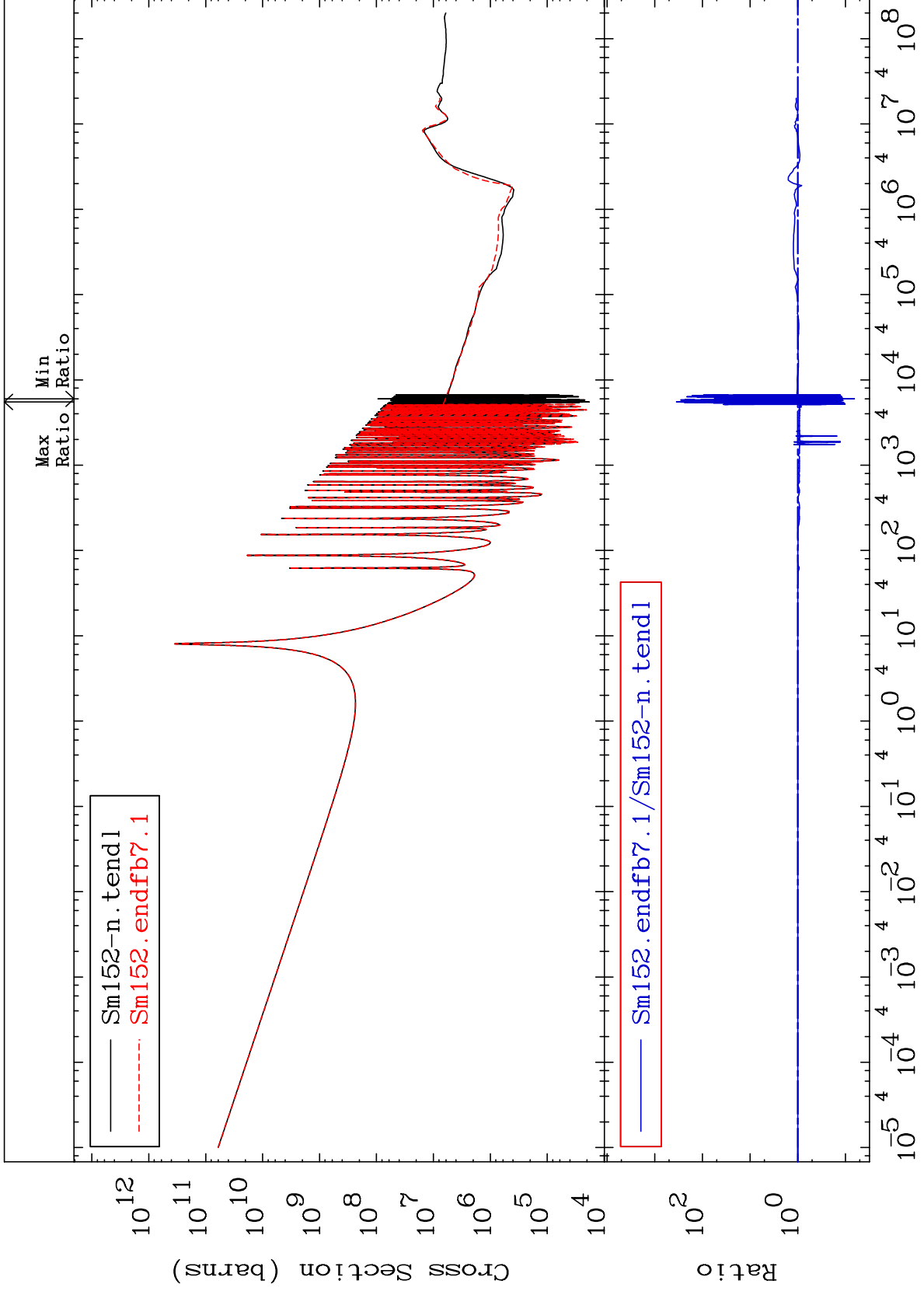
Incident Energy (eV)

62-Sm-152

MAT 6249

Total photon (eV-barns)
Cross Section

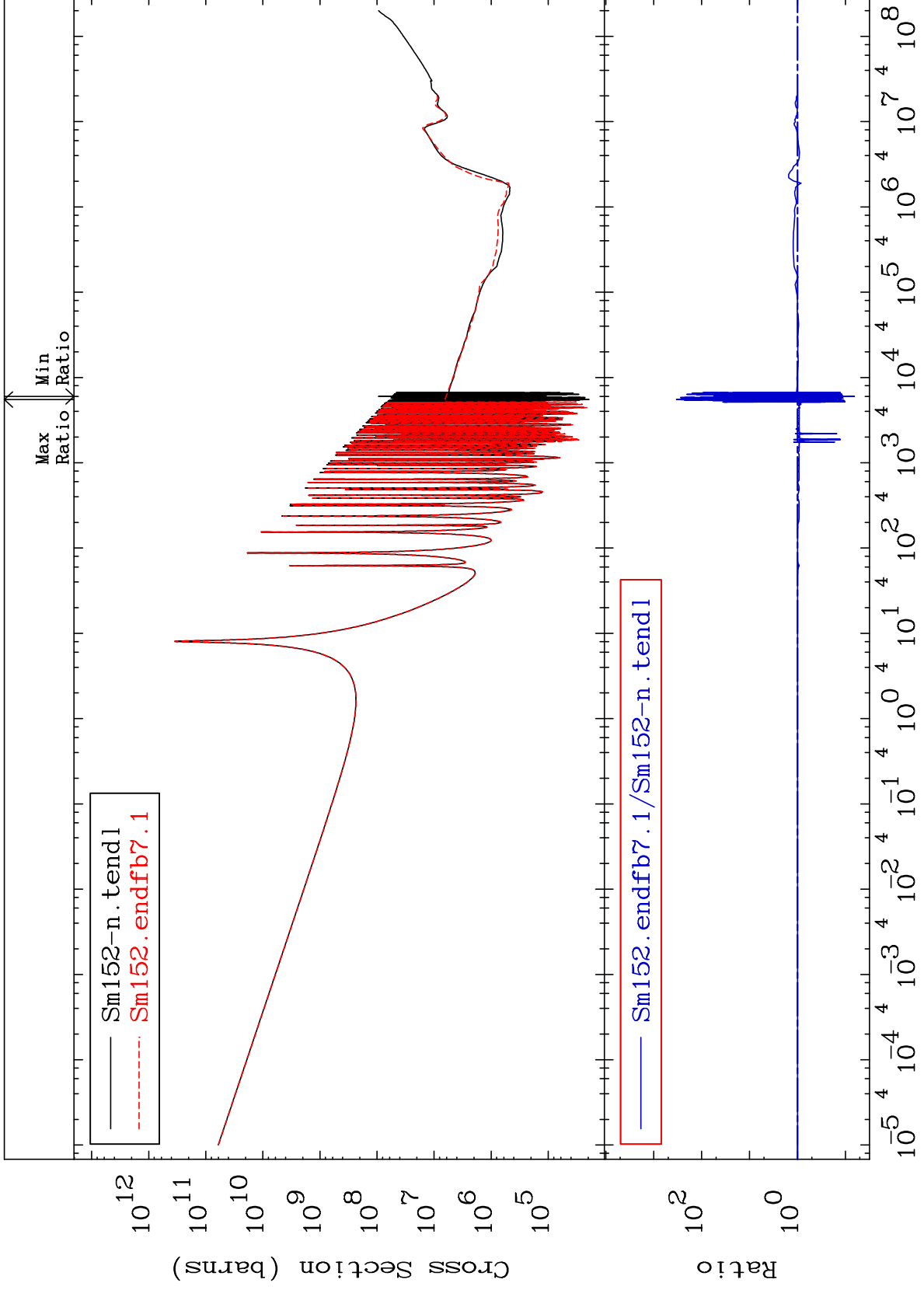
62-Sm-152
-93.50 To 9999. %



52

Incident Energy (eV)

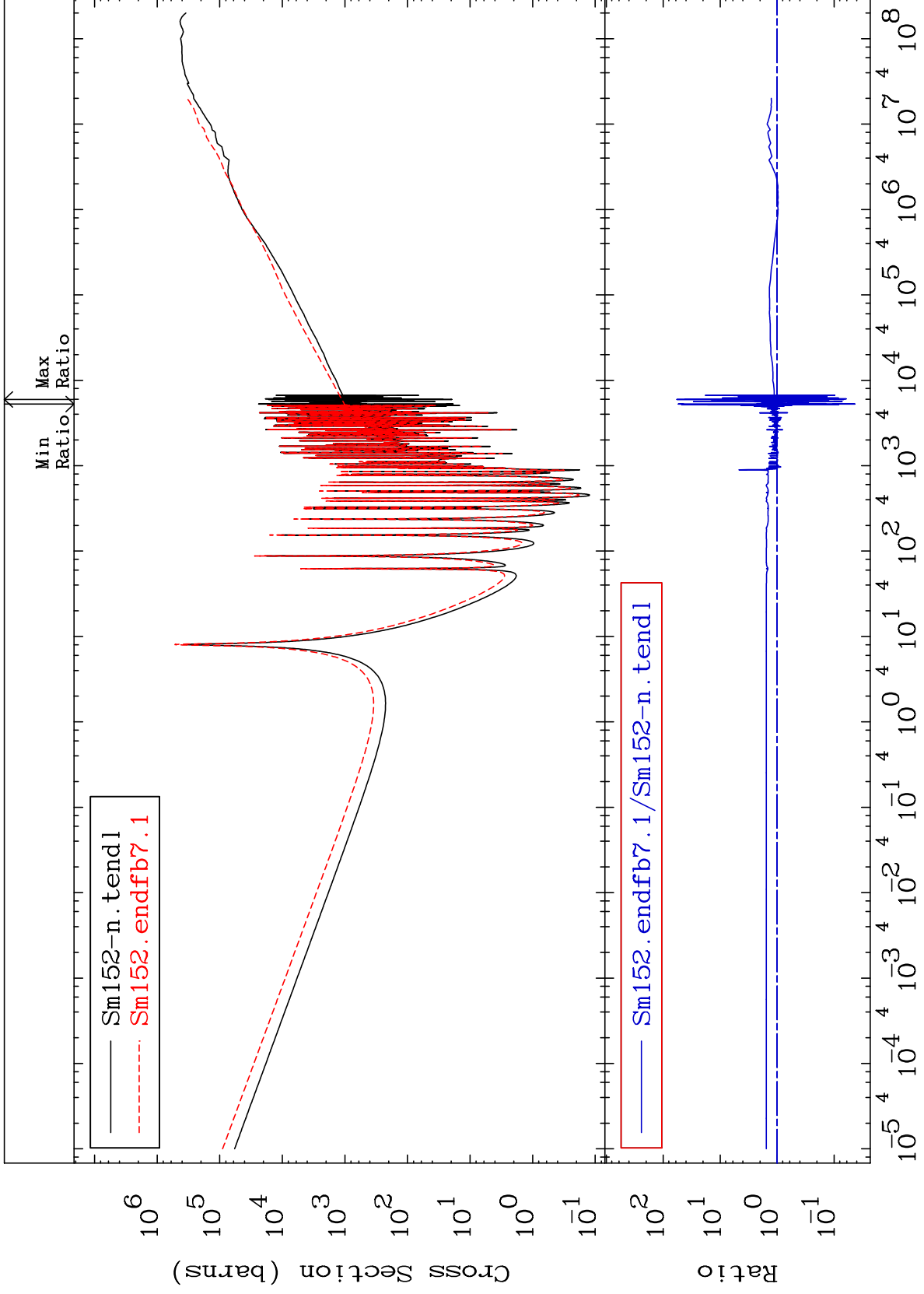
62-Sm-152



MAT 6249

Dpa total (eV-barns)
Cross Section

62-Sm-152
-95.71 To 5652. %



MAT 6249

Dpa elastic (mt2)
Cross Section

62-Sm-152
-95.75 To 5995. %

