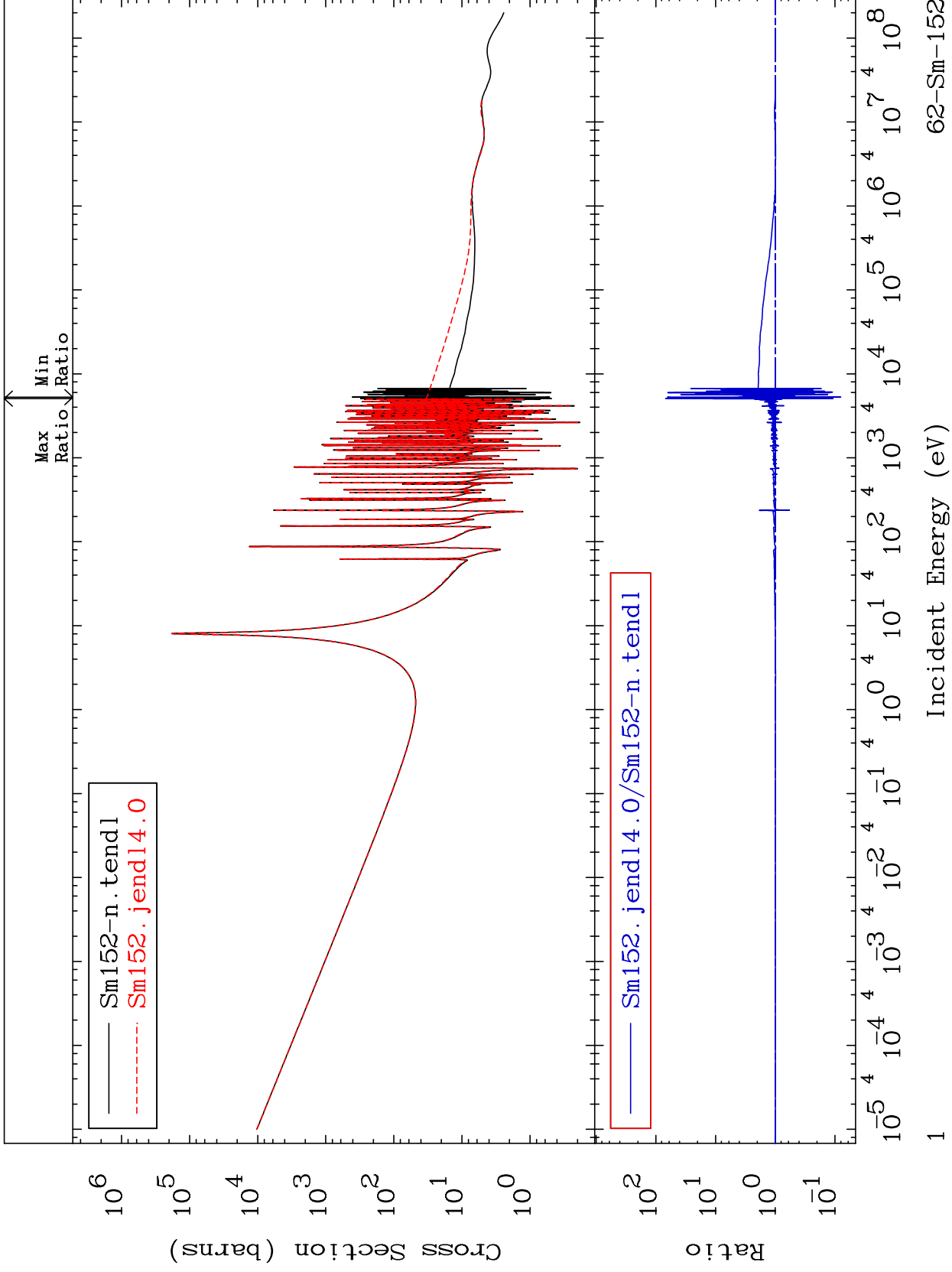


MAT 6249

Total
Cross Section

62-Sm-152
-91.96 To 6787. %

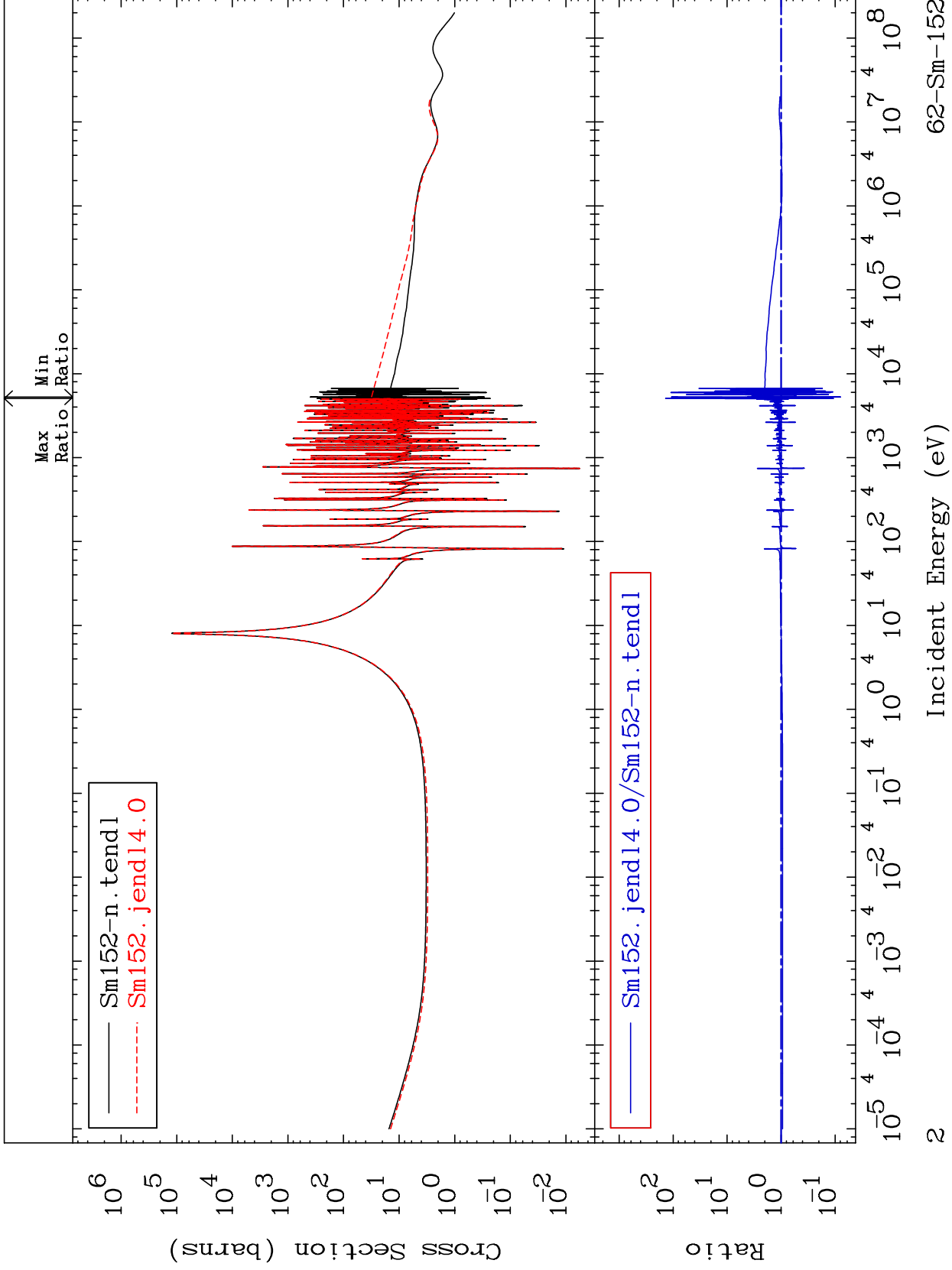


62-Sm-152

MAT 6249

Elastic
Cross Section

62-Sm-152
-92.11 To 9999. %

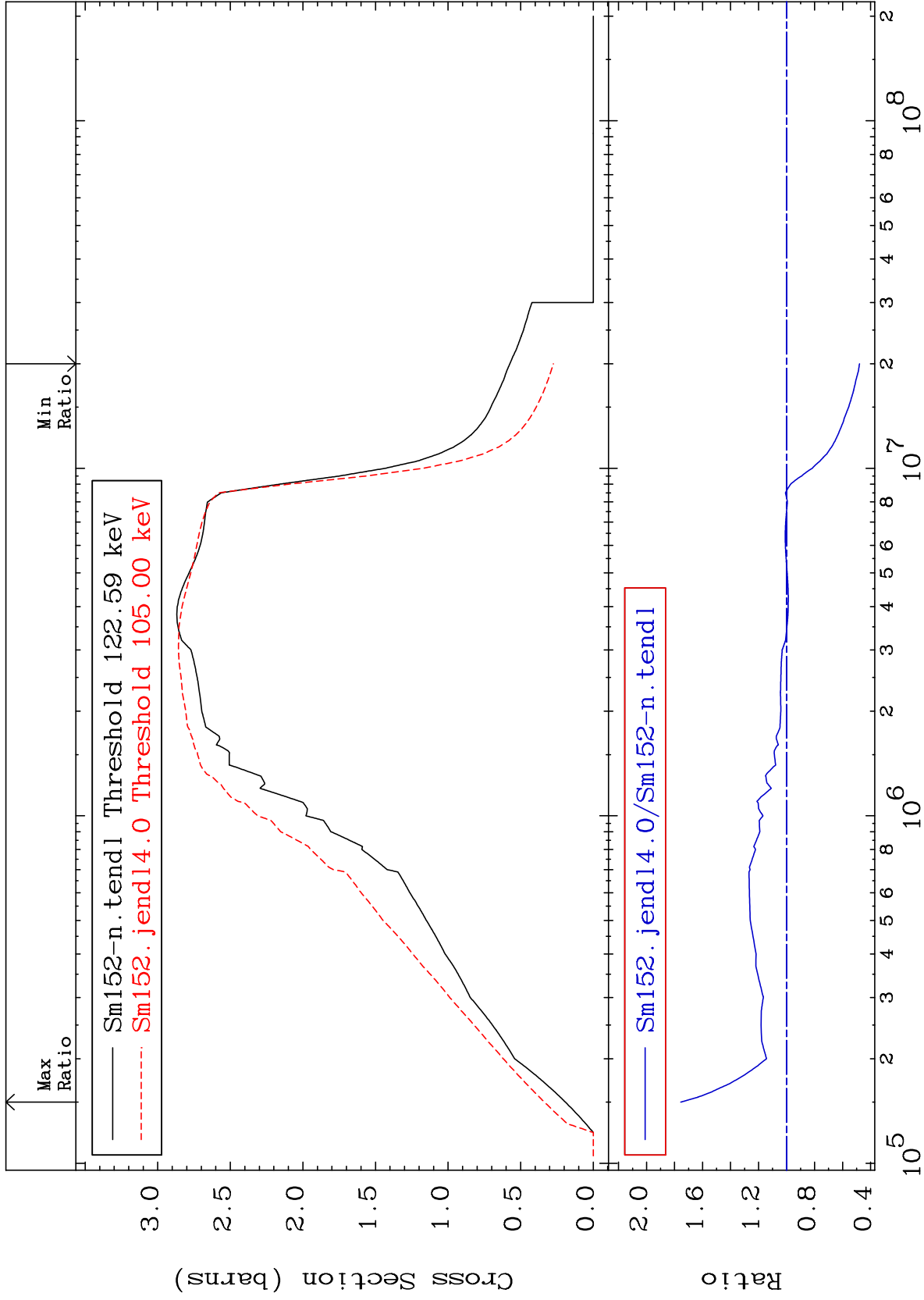


62-Sm-152

Incident Energy (eV)

2

MAT 6249 Inelastic Cross Section 62-Sm-152 -52.11 To 75.56 %

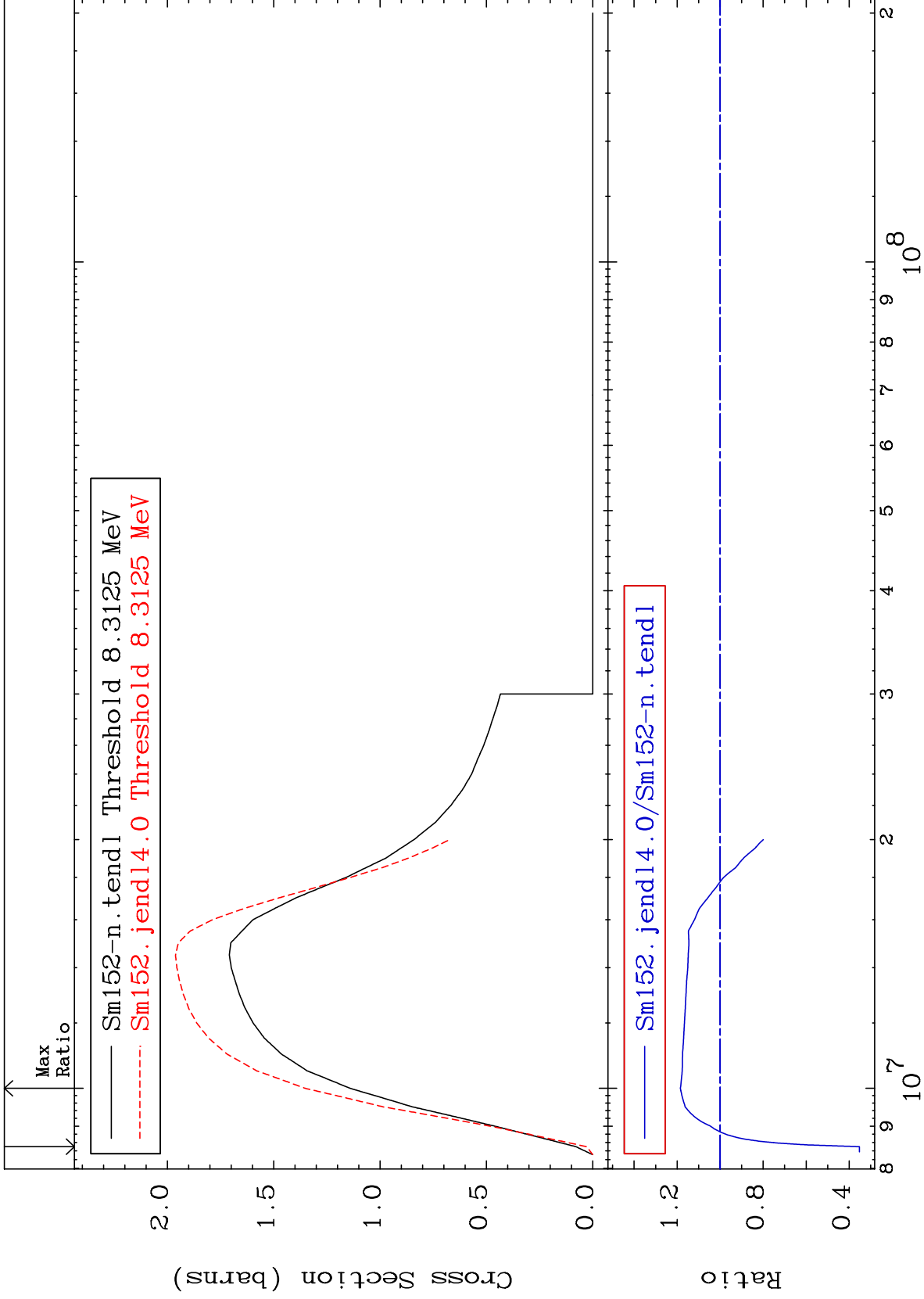


62-Sm-152

MAT 6249

(n,2n)
Cross Section

62-Sm-152
-64.77 To 18.49 %



62-Sm-152

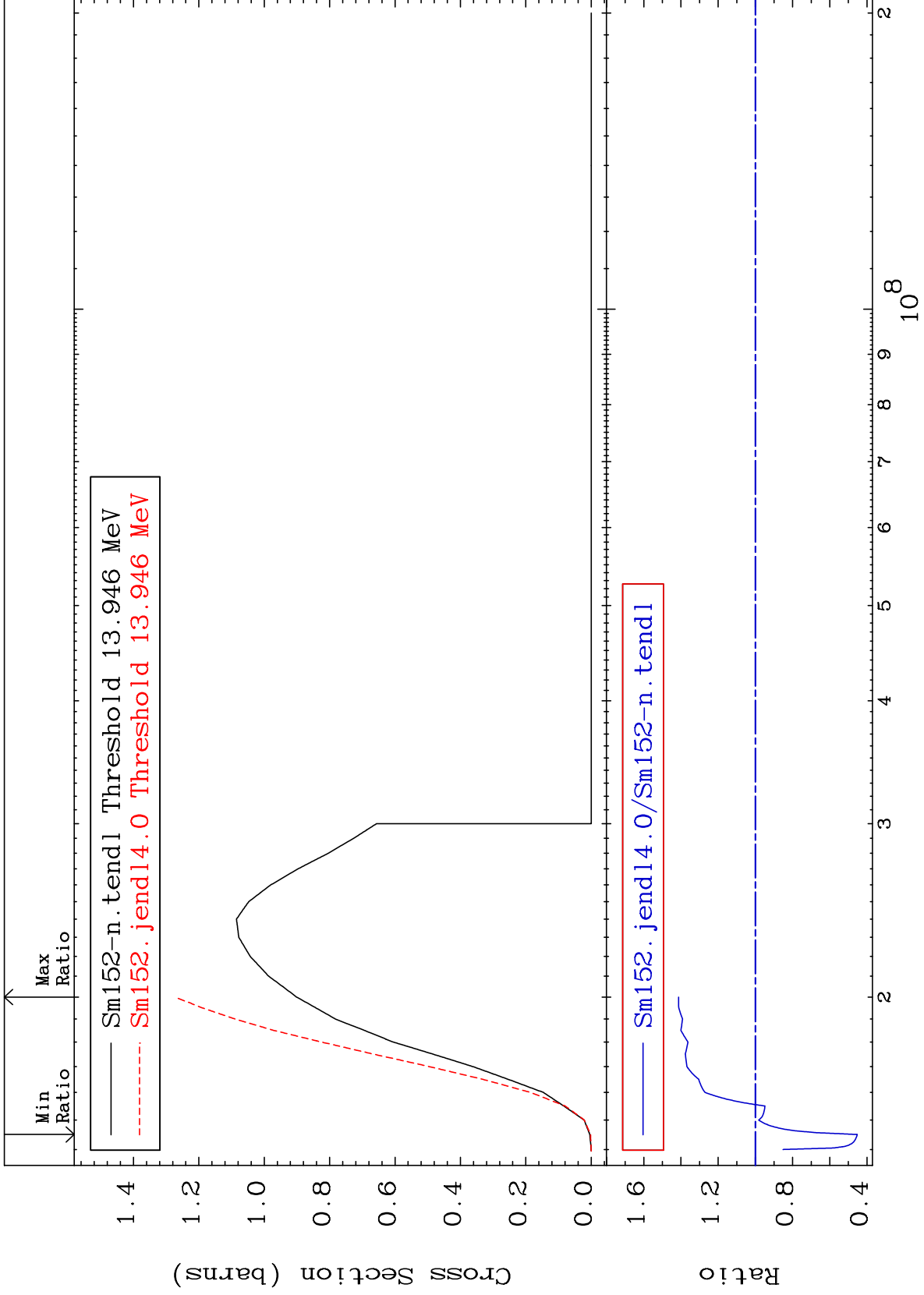
Incident Energy (eV)

4

MAT 6249

(n,3n)
Cross Section

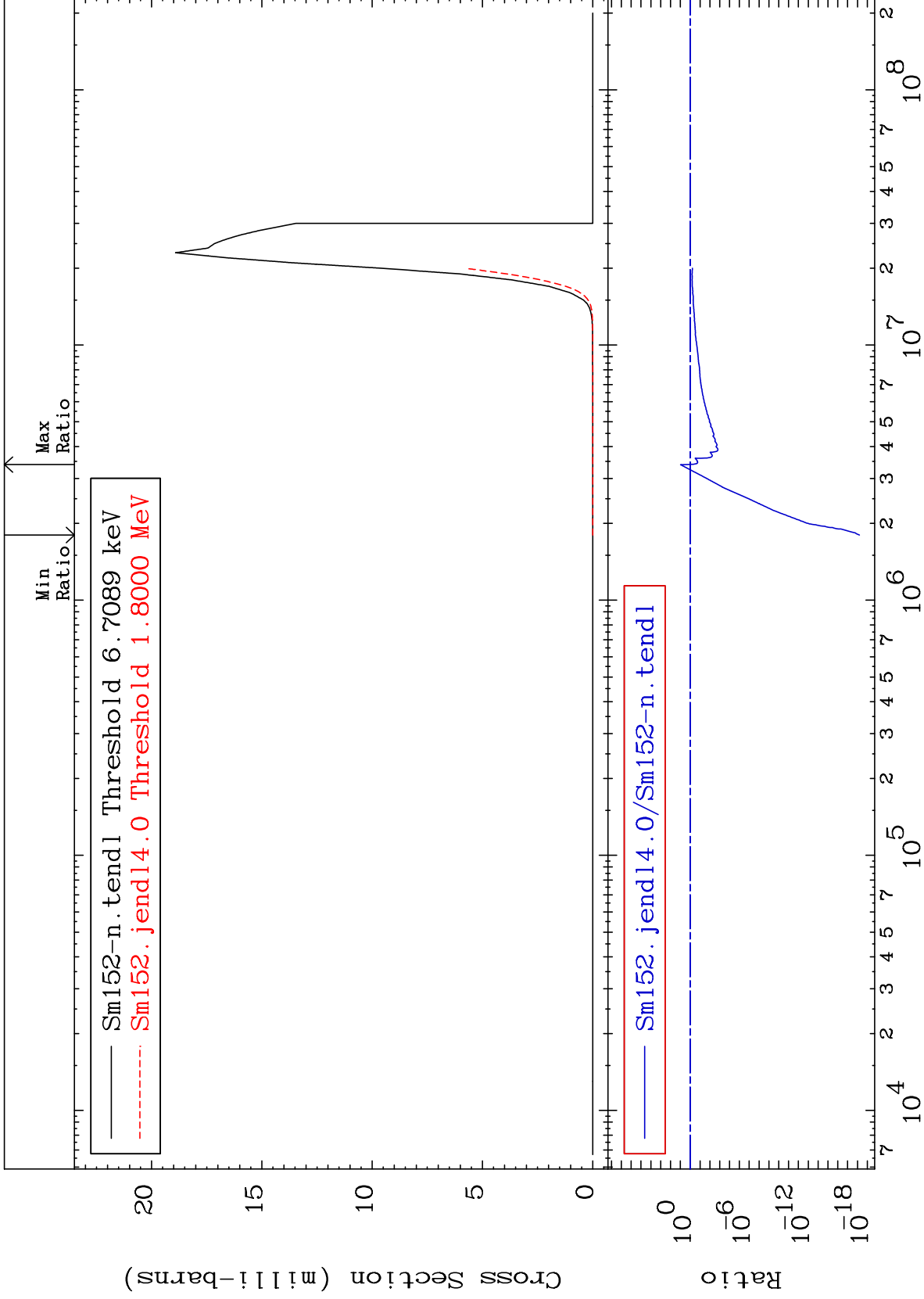
62-Sm-152
-54.76 To 41.25 %



MAT 6249

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

62-Sm-152
-100.0 To 899.4 %



6

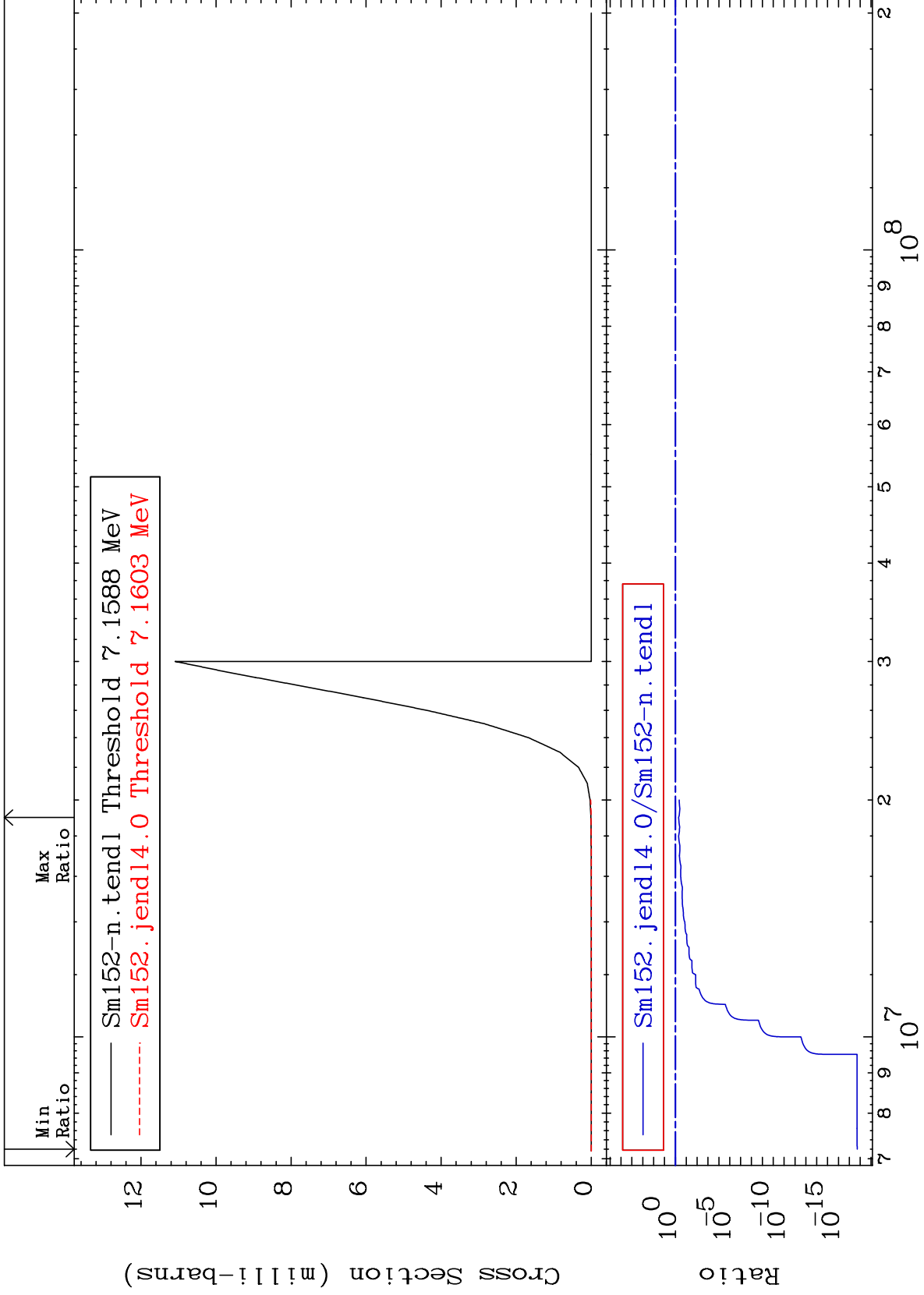
Incident Energy (eV)

62-Sm-152

MAT 6249

(n,2n) α
Cross Section

62-Sm-152
-100.0 To -49.79%



62-Sm-152

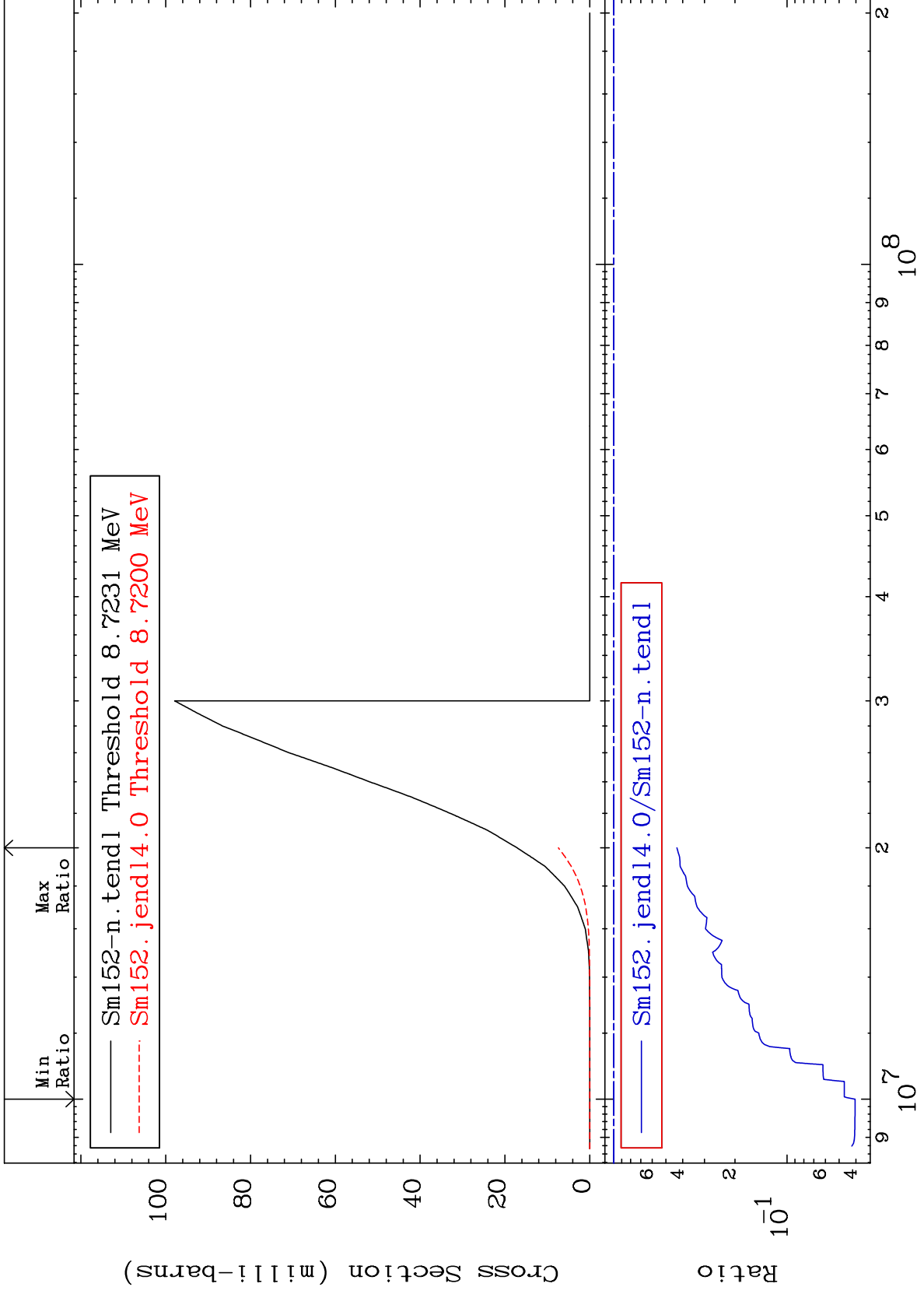
Incident Energy (eV)

7

MAT 6249

(n, n') p
Cross Section

62-Sm-152
-95.96 To -56.77%



Incident Energy (eV)

62-Sm-152

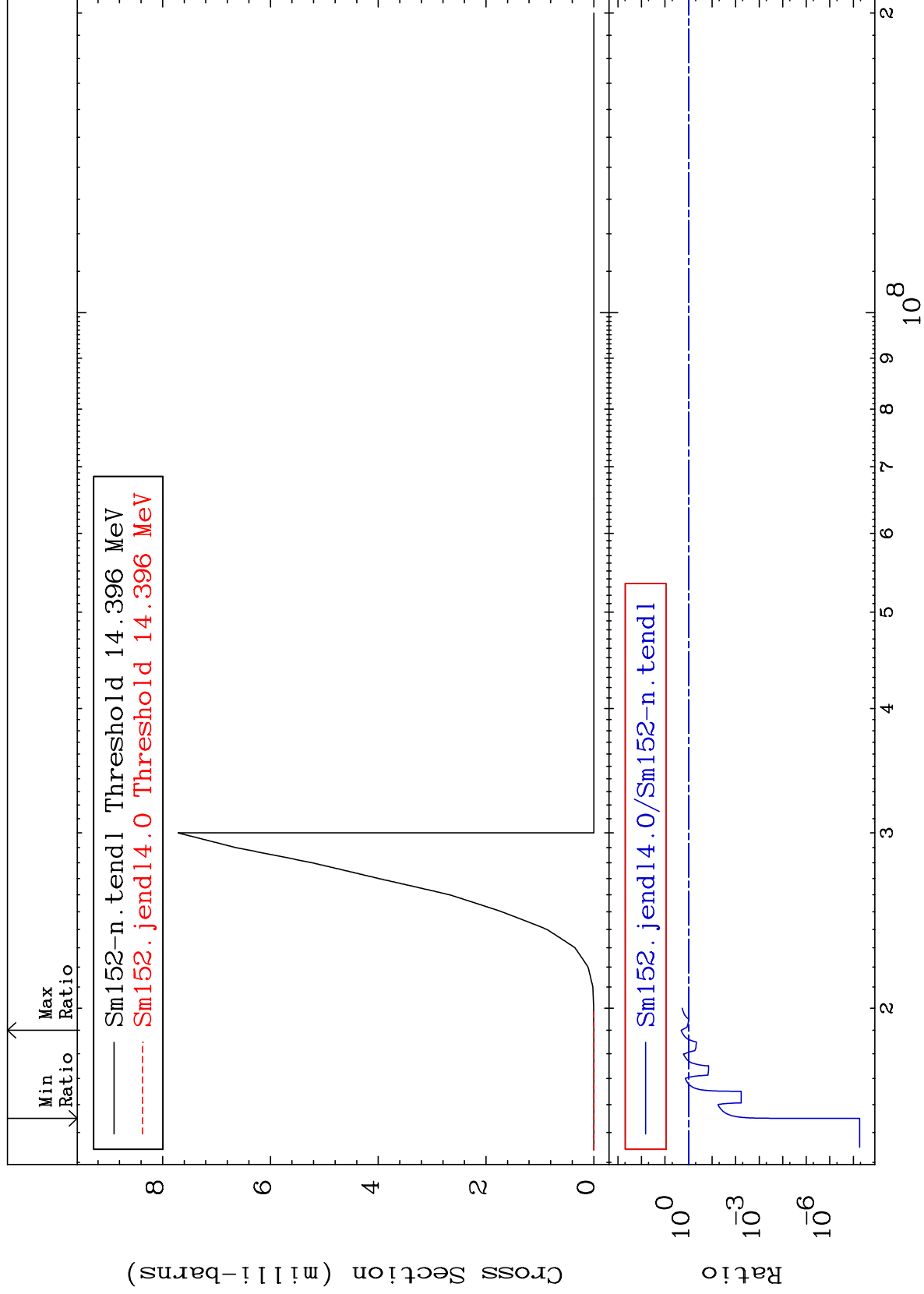
MAT 6249

(n, n') d

62-Sm-152

Cross Section

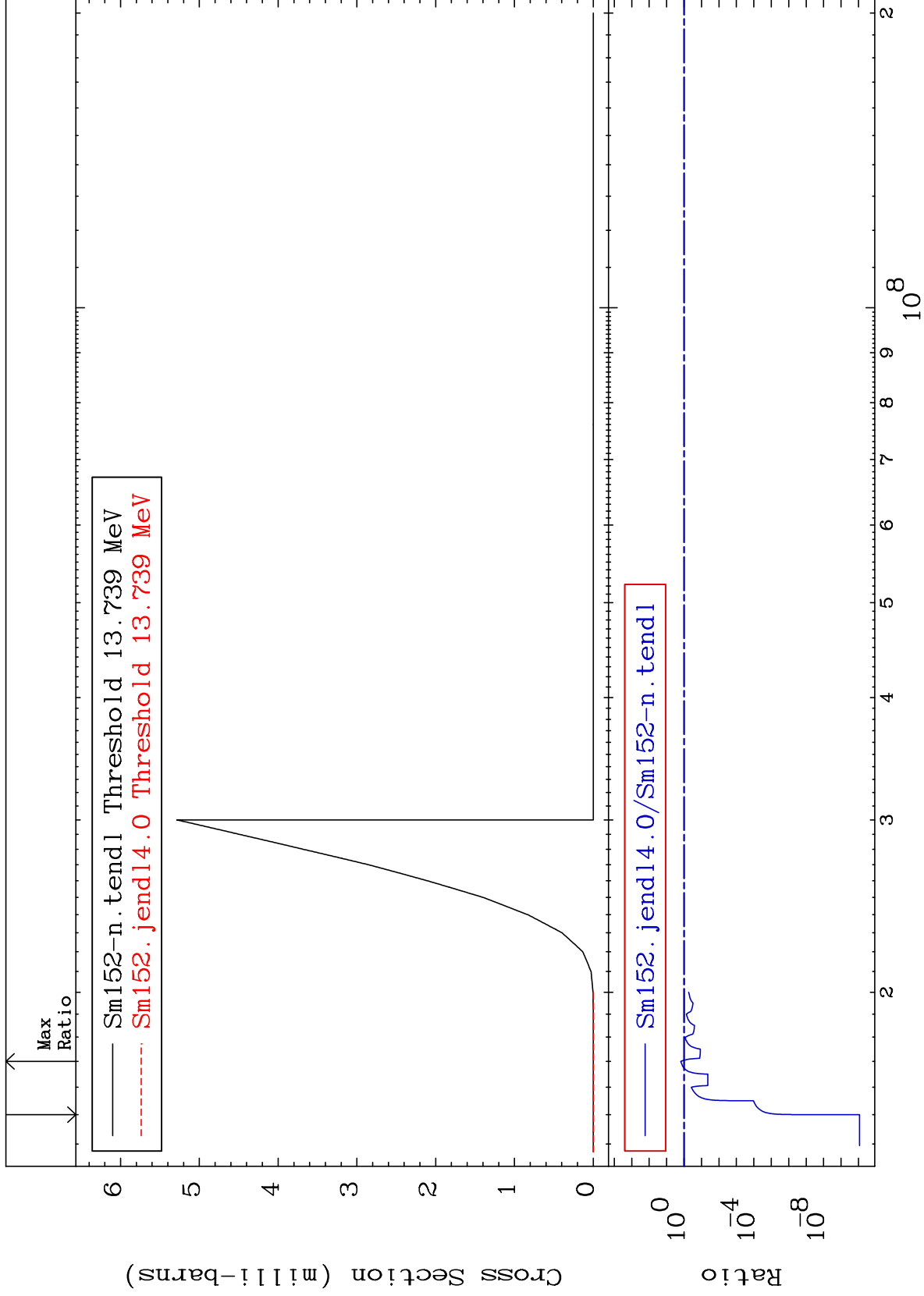
-100.0 To 105.8 %



MAT 6249

(n,n') t
Cross Section

62-Sm-152
-100.0 To 54.08 %



10

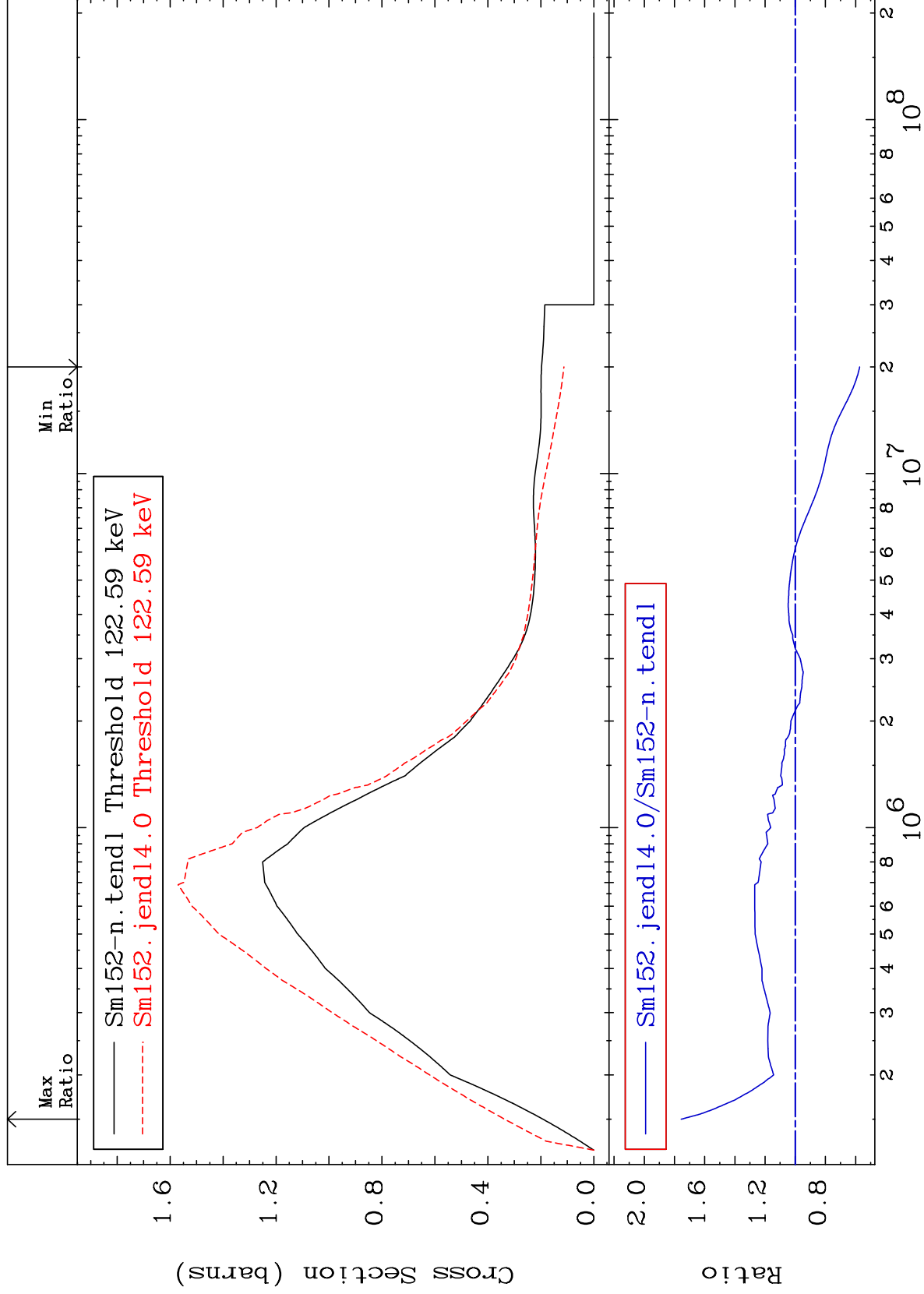
Incident Energy (eV)

62-Sm-152

MAT 6249

121.8 keV (n,n') Level
Cross Section

62-Sm-152
-42.67 To 75.56 %



11

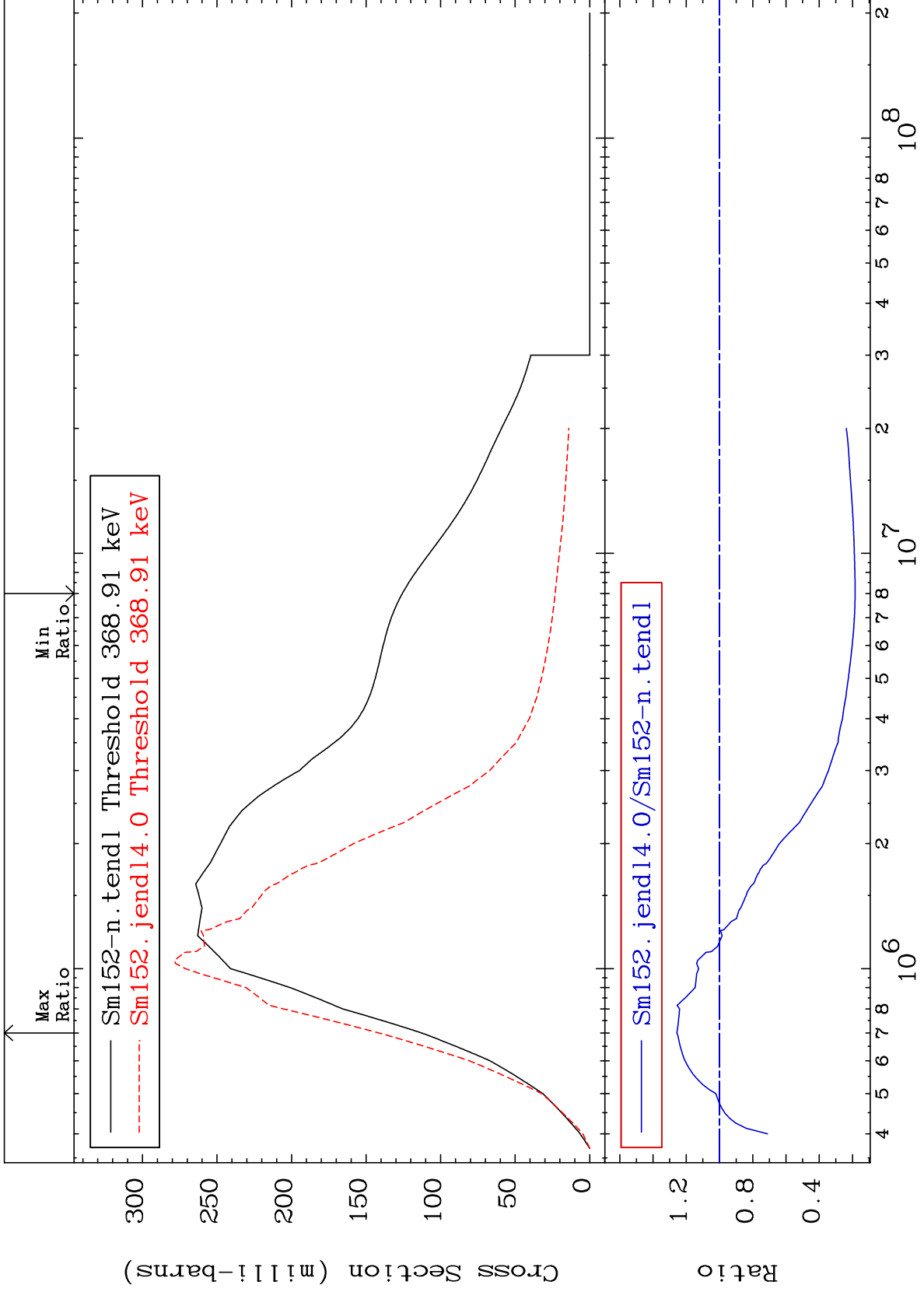
Incident Energy (eV)

62-Sm-152

MAT 6249

366.5 keV (n,n') Level
Cross Section

62-Sm-152
-81.56 To 25.62 %



12

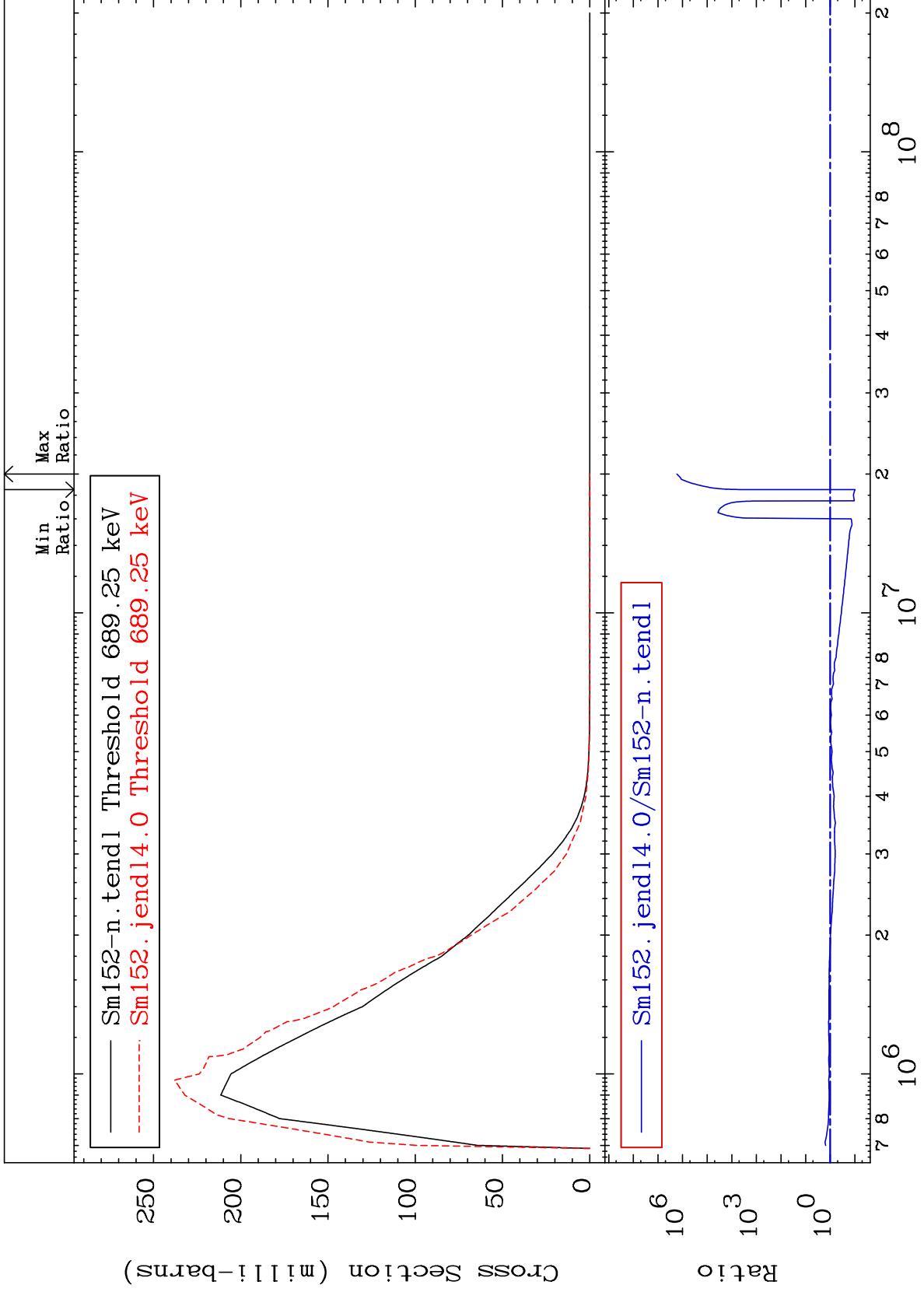
Incident Energy (eV)

62-Sm-152

MAT 6249

684.7 keV (n,n') Level
Cross Section

62-Sm-152
-90.24 To 9999. %



13

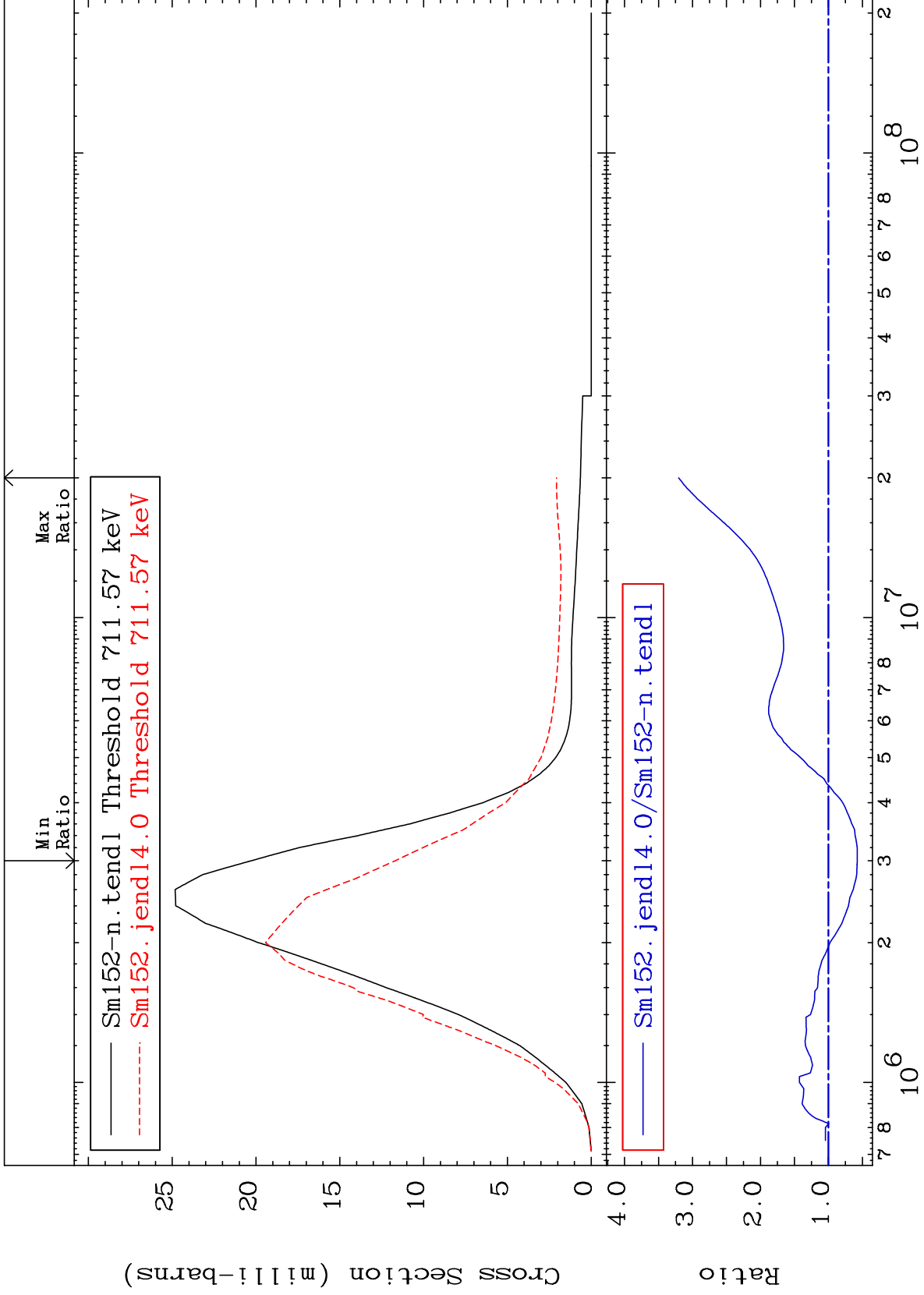
Incident Energy (eV)

62-Sm-152

MAT 6249

706.9 keV (n,n') Level
Cross Section

62-Sm-152
-42.40 To 220.4 %



14

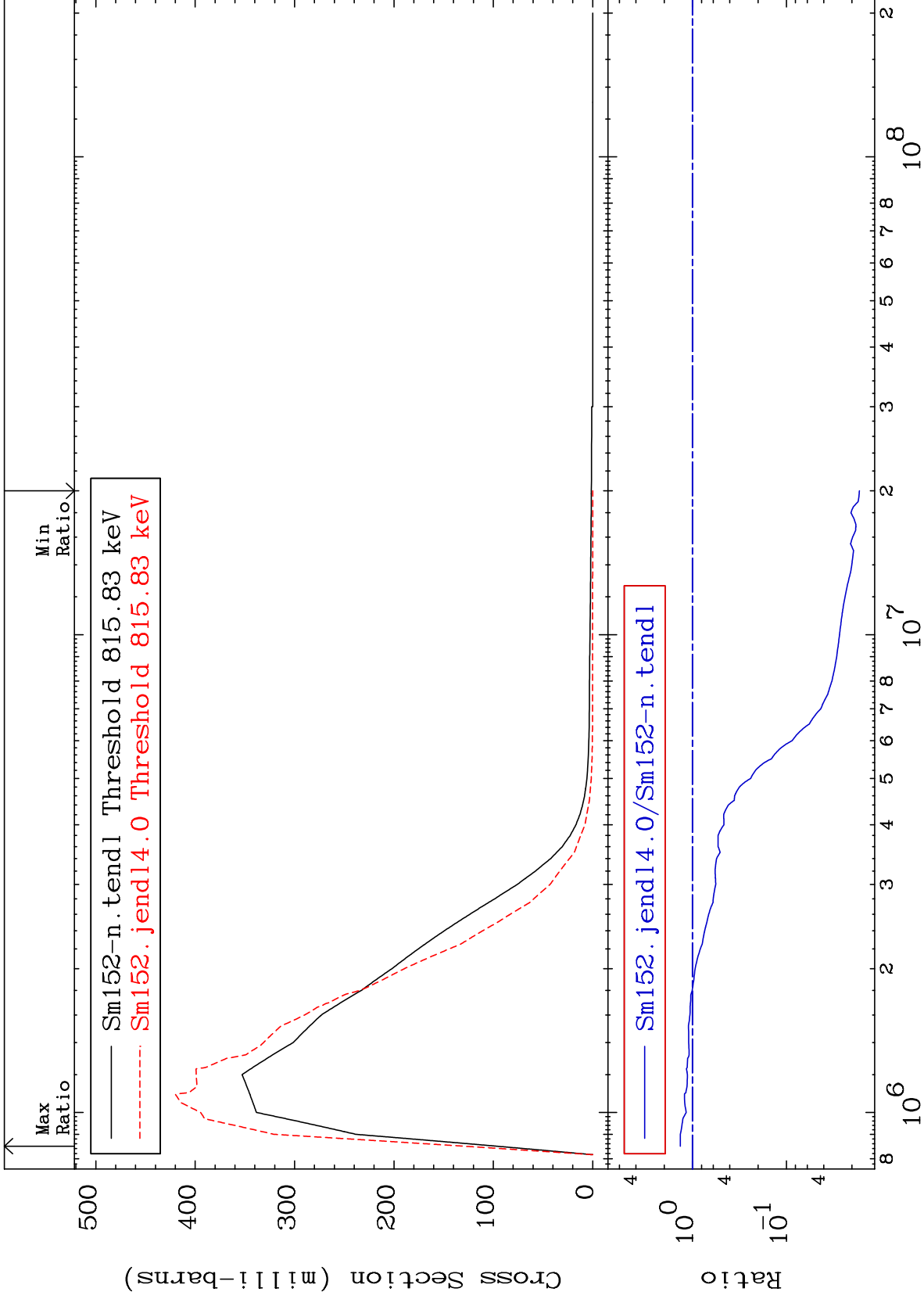
Incident Energy (eV)

62-Sm-152

MAT 6249

810.5 keV (n,n') Level
Cross Section

62-Sm-152
-98.33 To 34.55 %



15

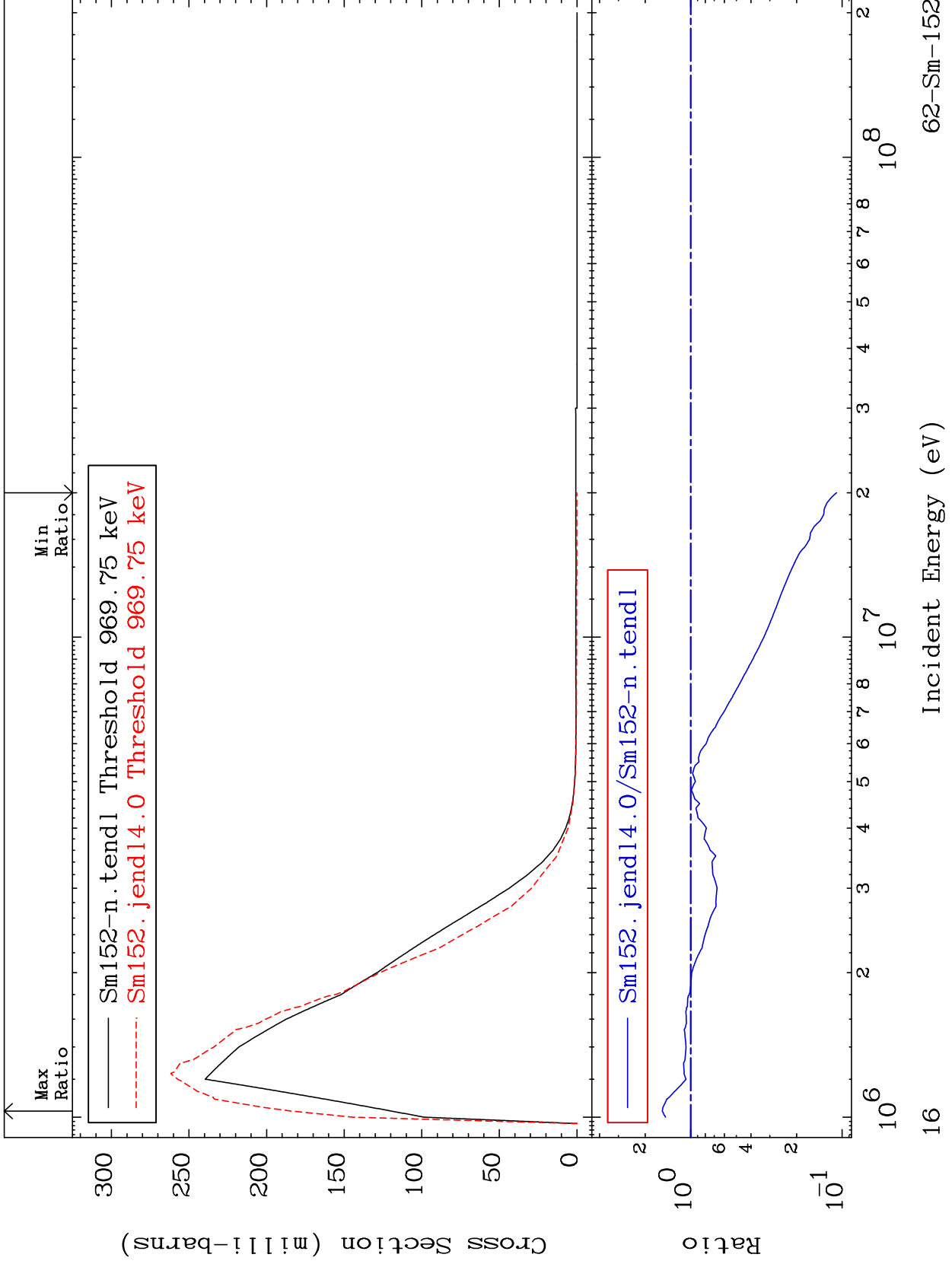
Incident Energy (eV)

62-Sm-152

MAT 6249

963.4 keV (n,n') Level
Cross Section

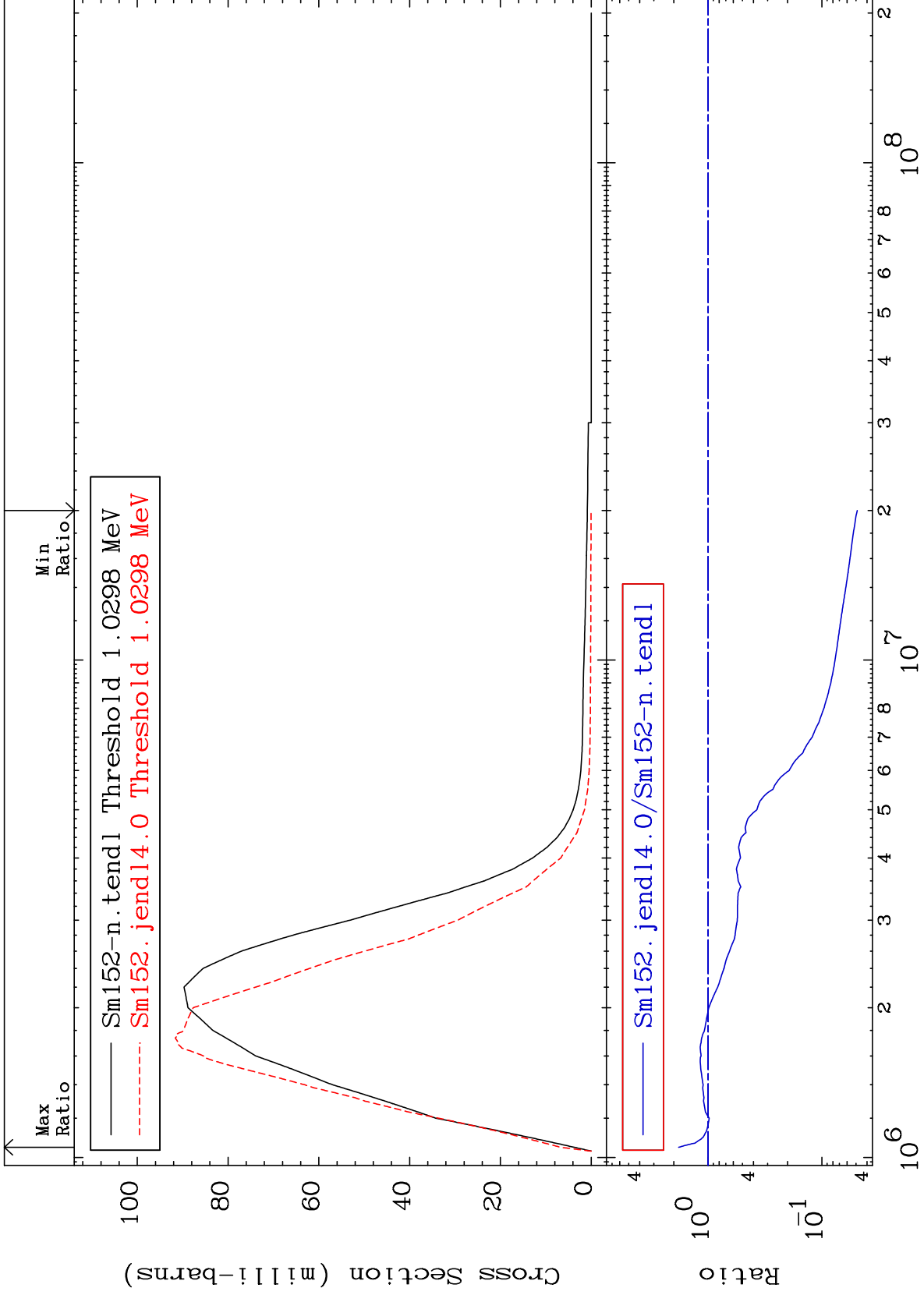
62-Sm-152
-89.13 To 54.06 %



MAT 6249

1.023 MeV (n,n') Level
Cross Section

62-Sm-152
-95.12 To 81.71 %



17

Incident Energy (eV)

62-Sm-152

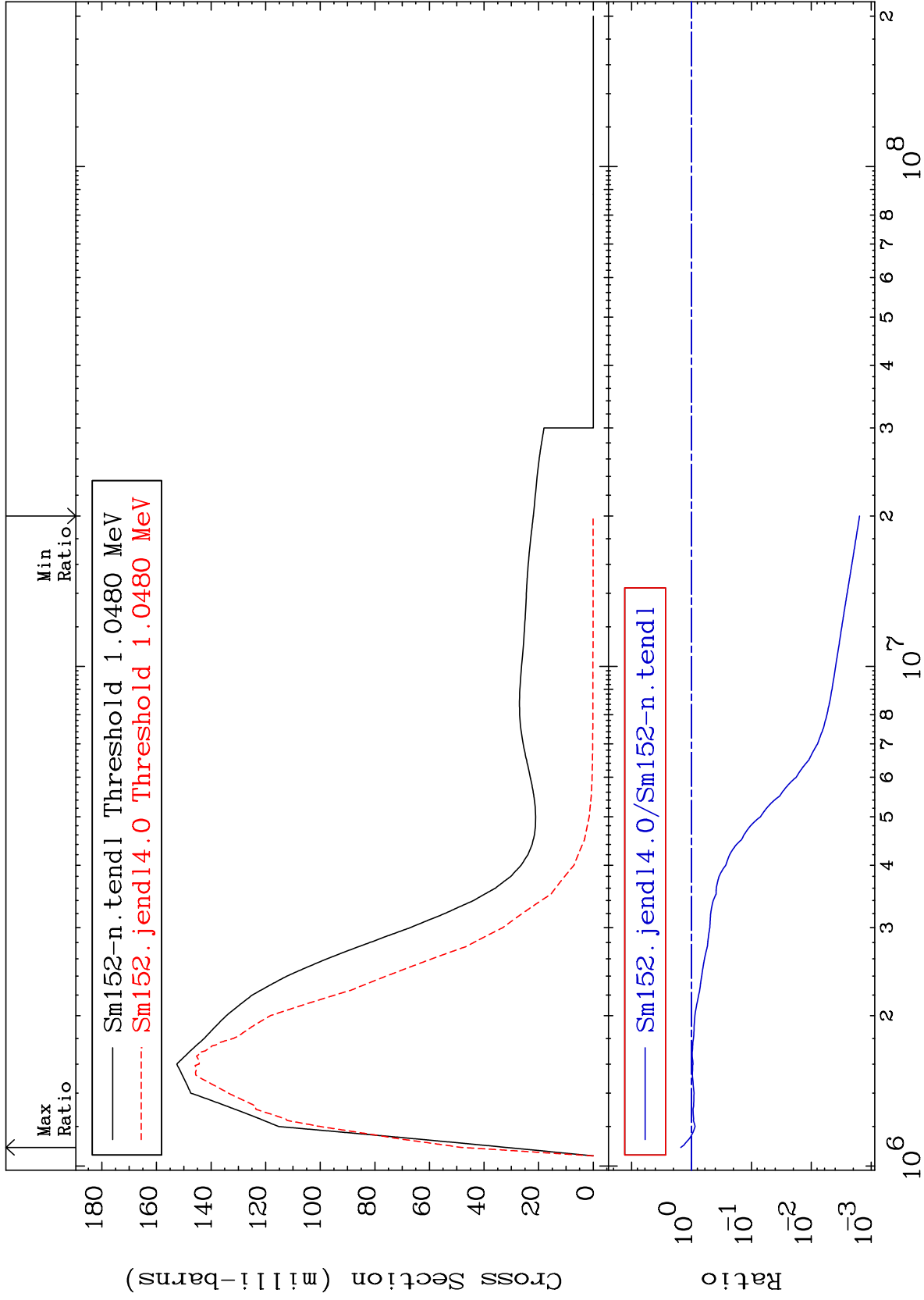
MAT 6249

1.041 MeV (n,n') Level

62-Sm-152

-99.84 To 50.92 %

Cross Section



18

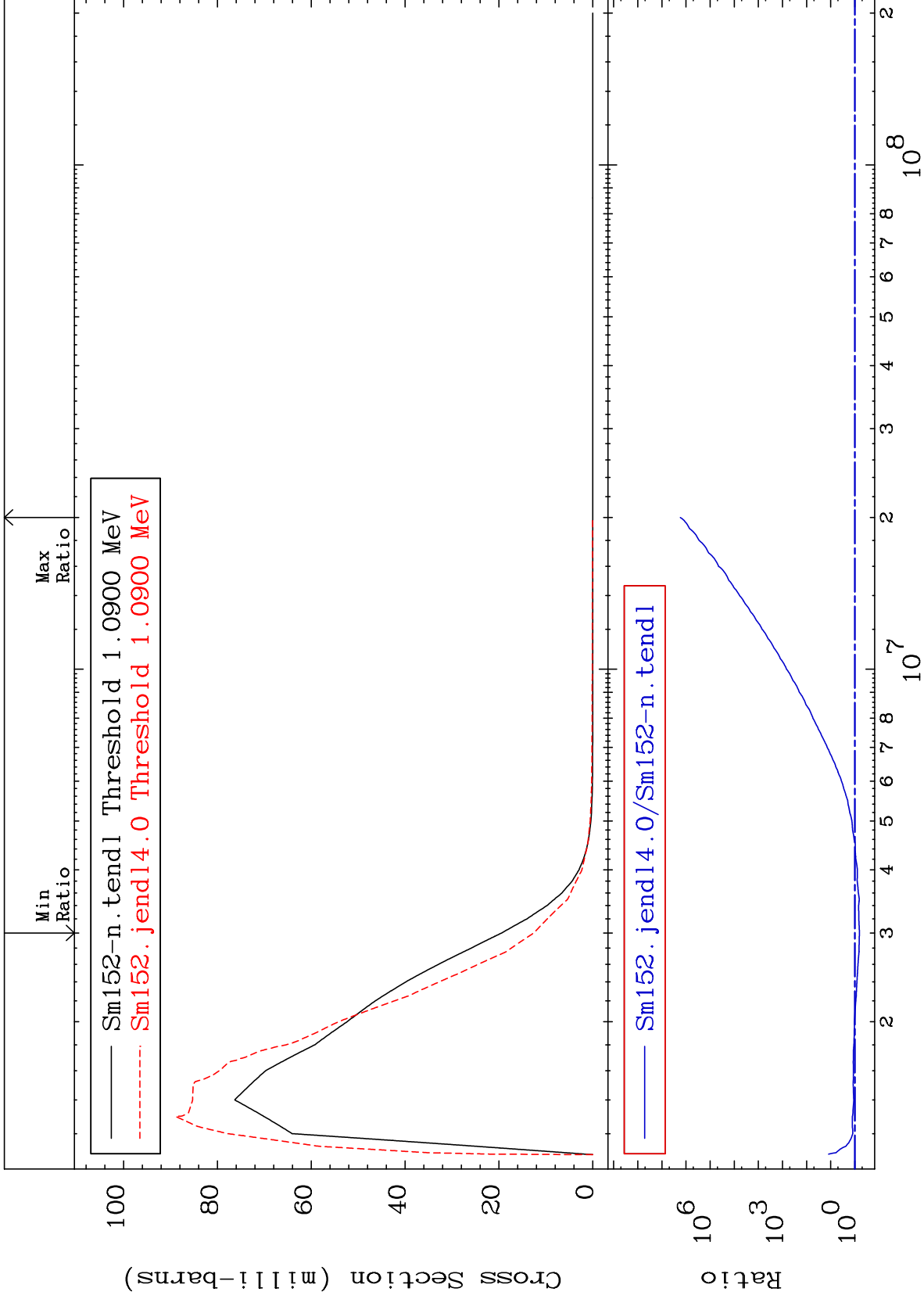
Incident Energy (eV)

62-Sm-152

MAT 6249

1.083 MeV (n,n') Level
Cross Section

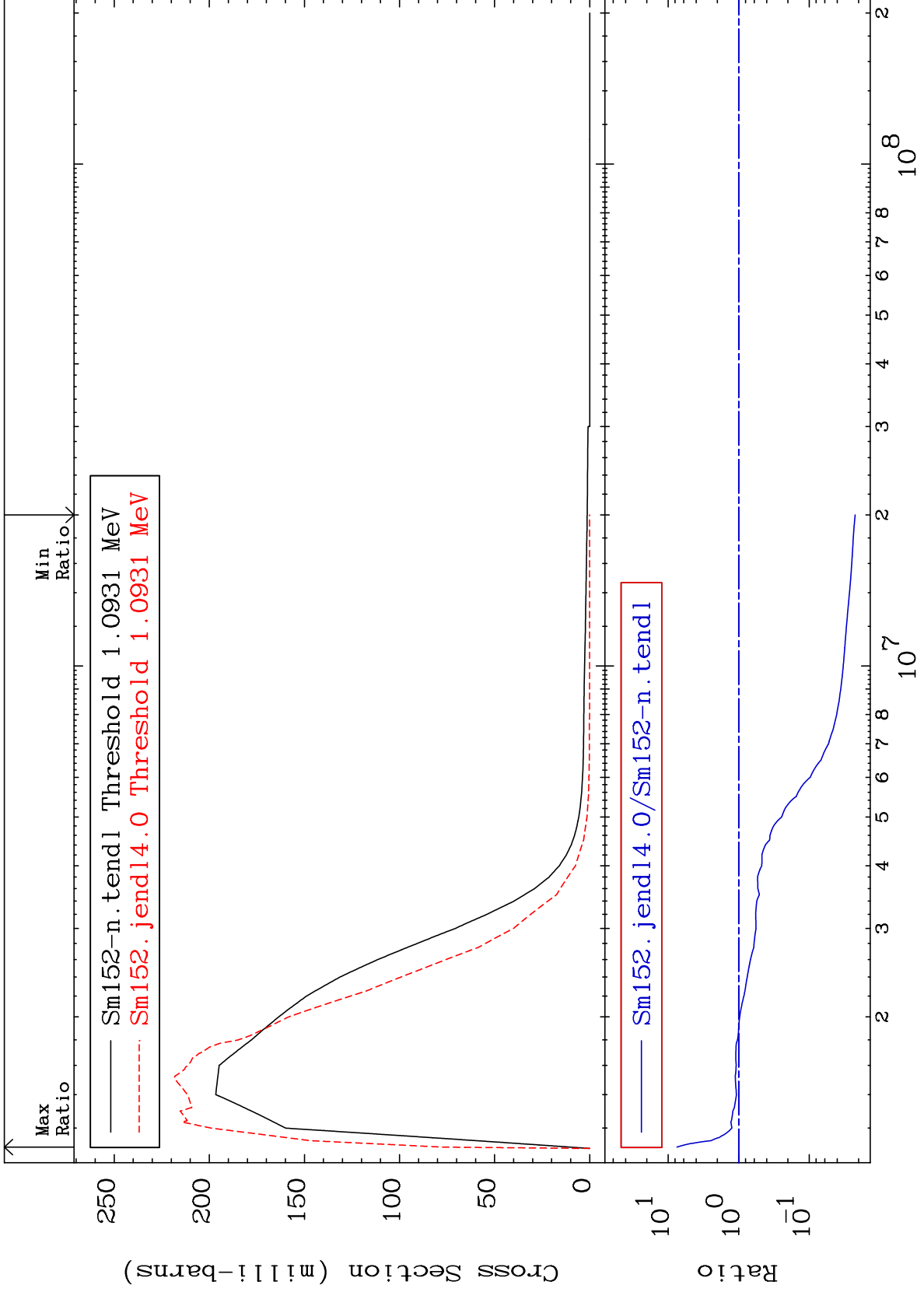
62-Sm-152
-35.35 To 9999. %



MAT 6249

1.086 MeV (n,n') Level
Cross Section

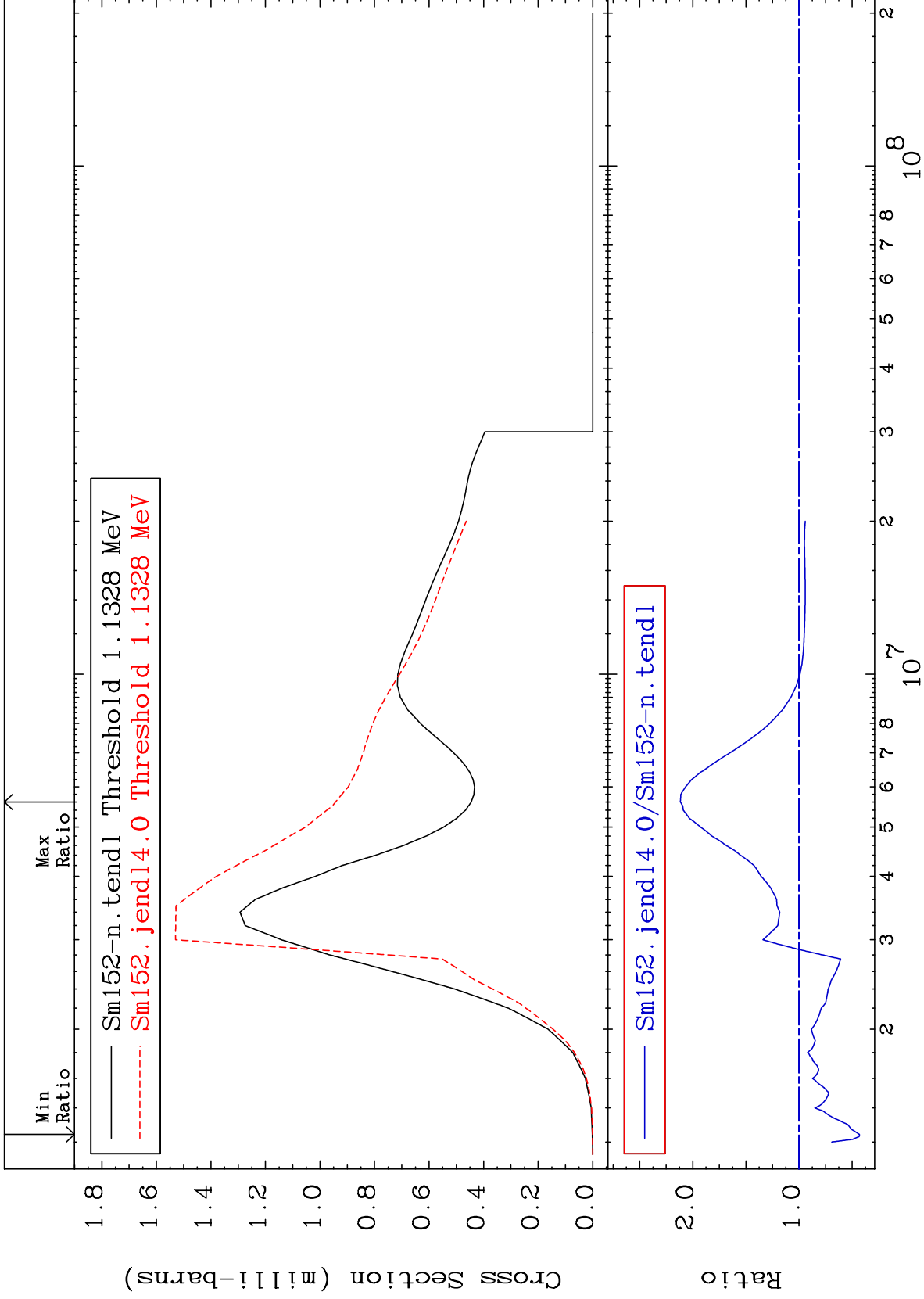
62-Sm-152
-97.76 To 649.3 %



MAT 6249

1.125 MeV (n,n') Level
Cross Section

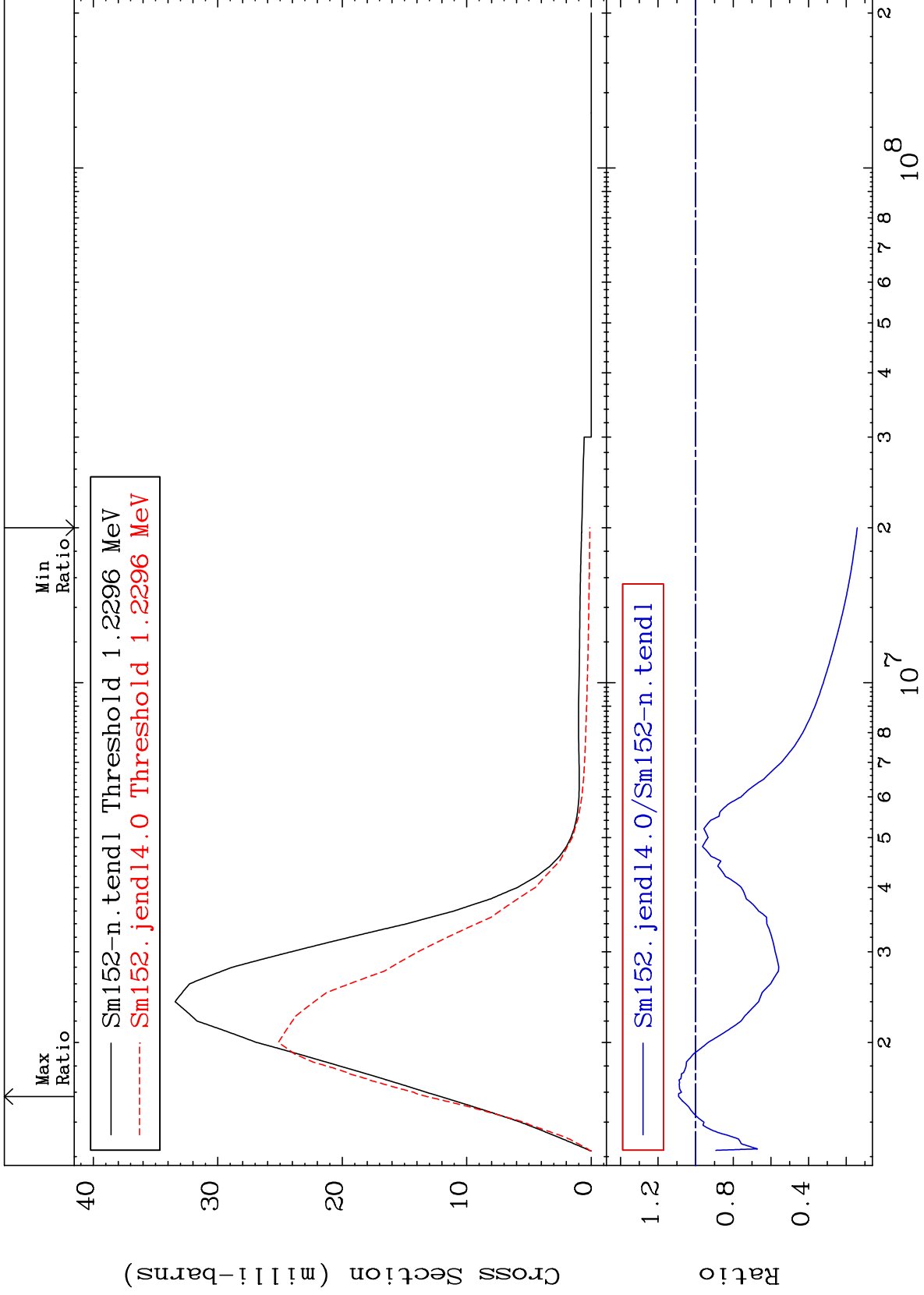
62-Sm-152
-56.85 To 111.7 %



MAT 6249

1.221 MeV (n,n') Level
Cross Section

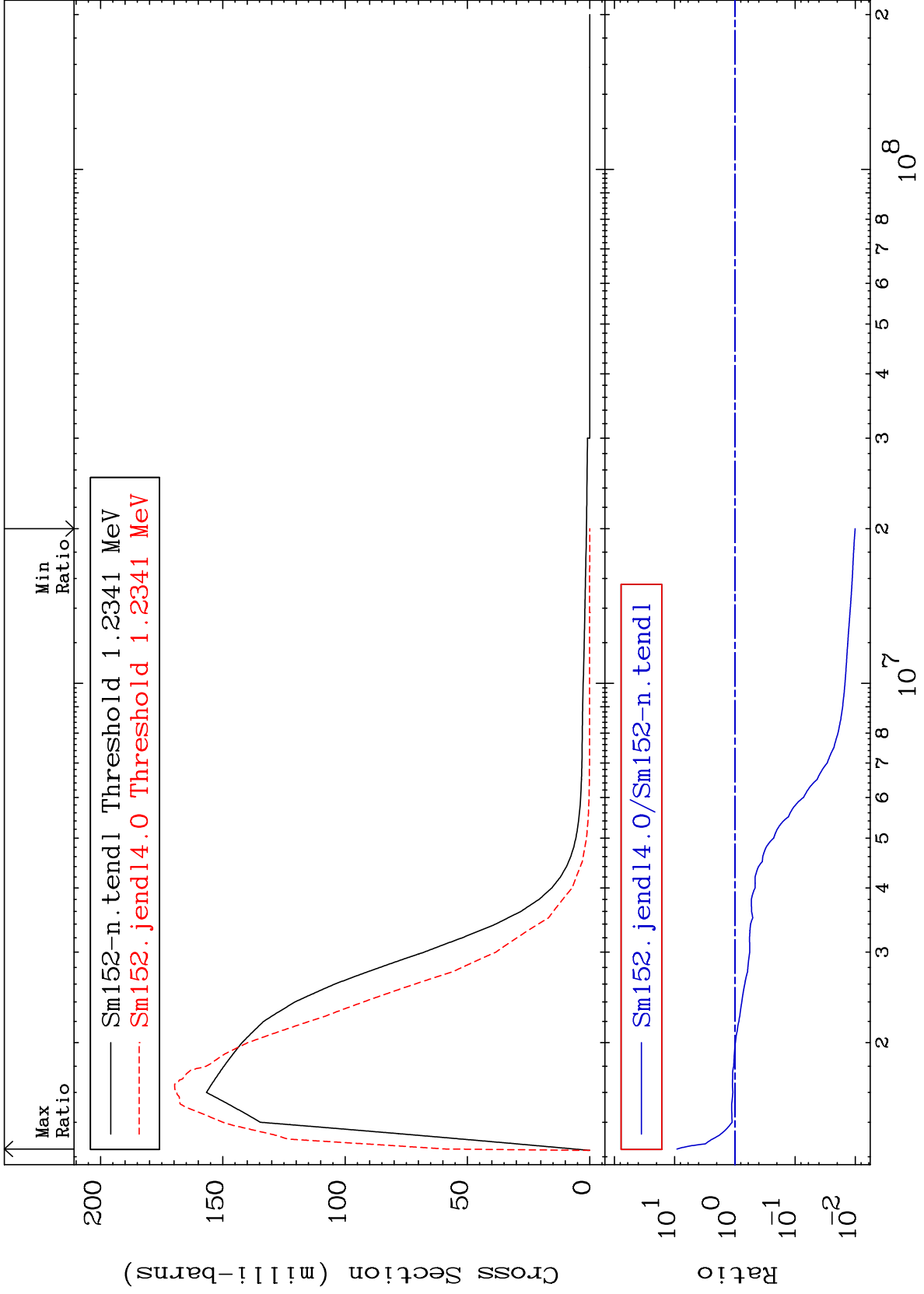
62-Sm-152
-85.91 To 9.073 %



MAT 6249

1.226 MeV (n,n') Level
Cross Section

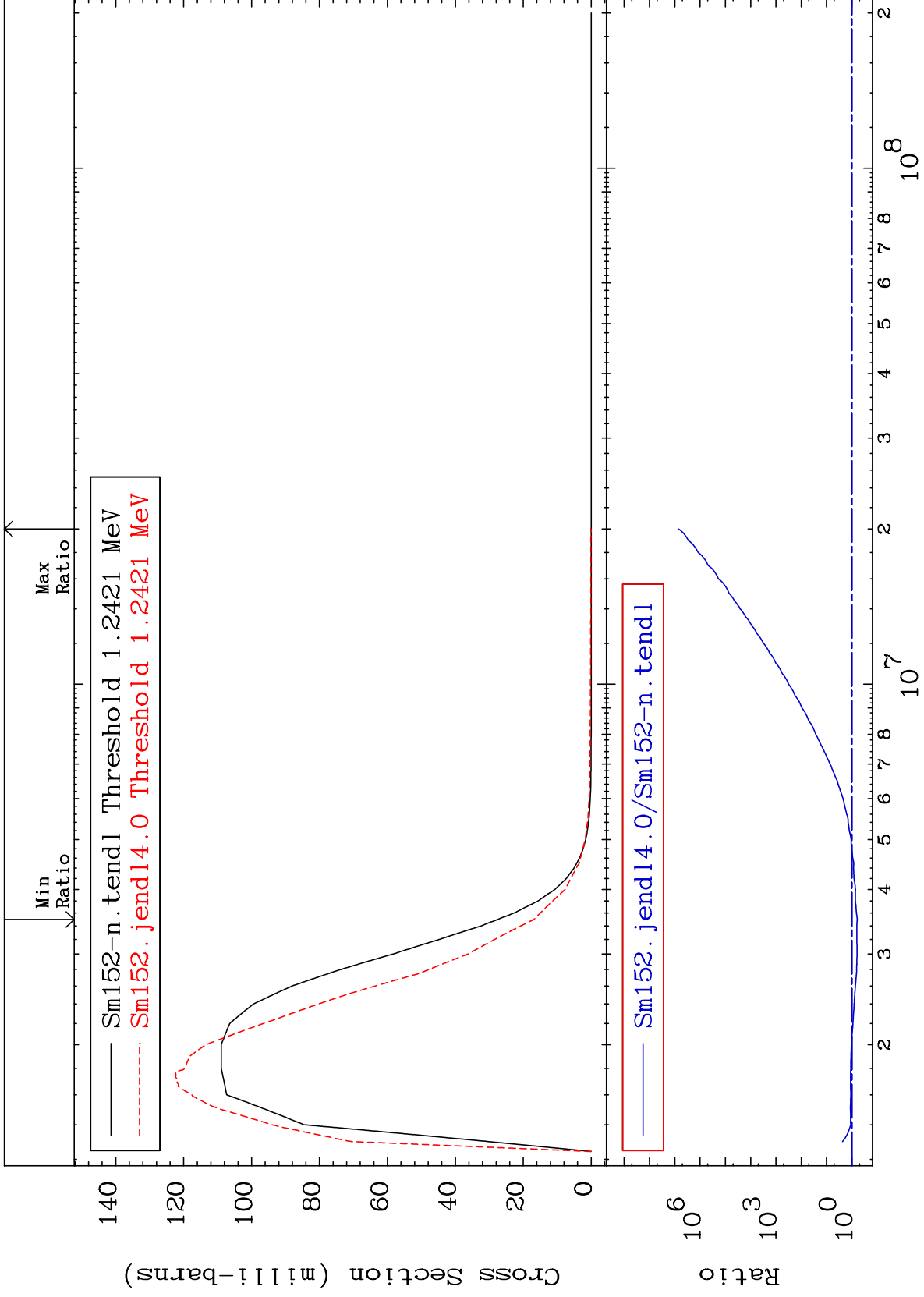
62-Sm-152
-98.99 To 816.2 %



MAT 6249

1.234 MeV (n,n') Level
Cross Section

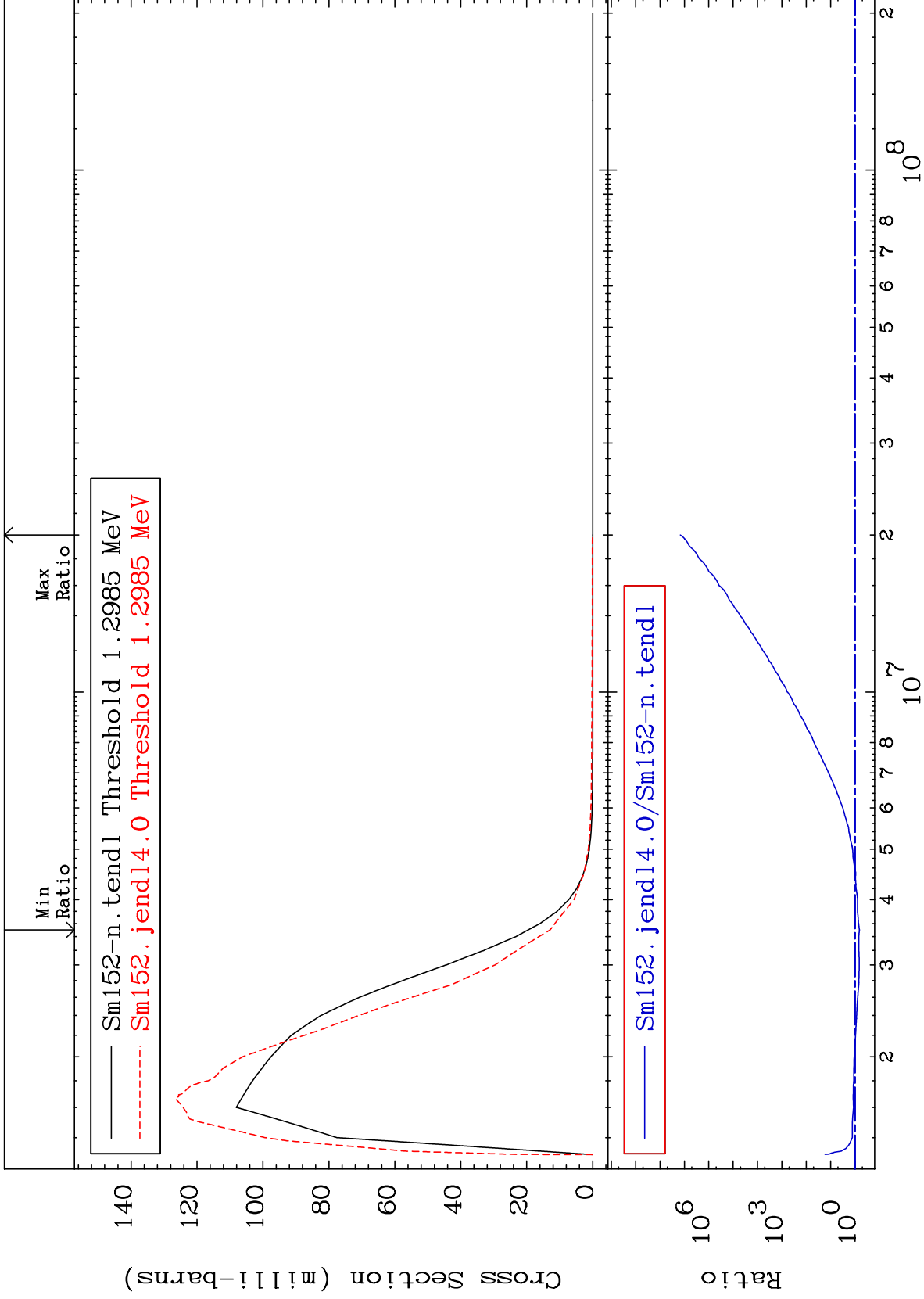
62-Sm-152
-38.84 To 9999. %



MAT 6249

1.290 MeV (n,n') Level
Cross Section

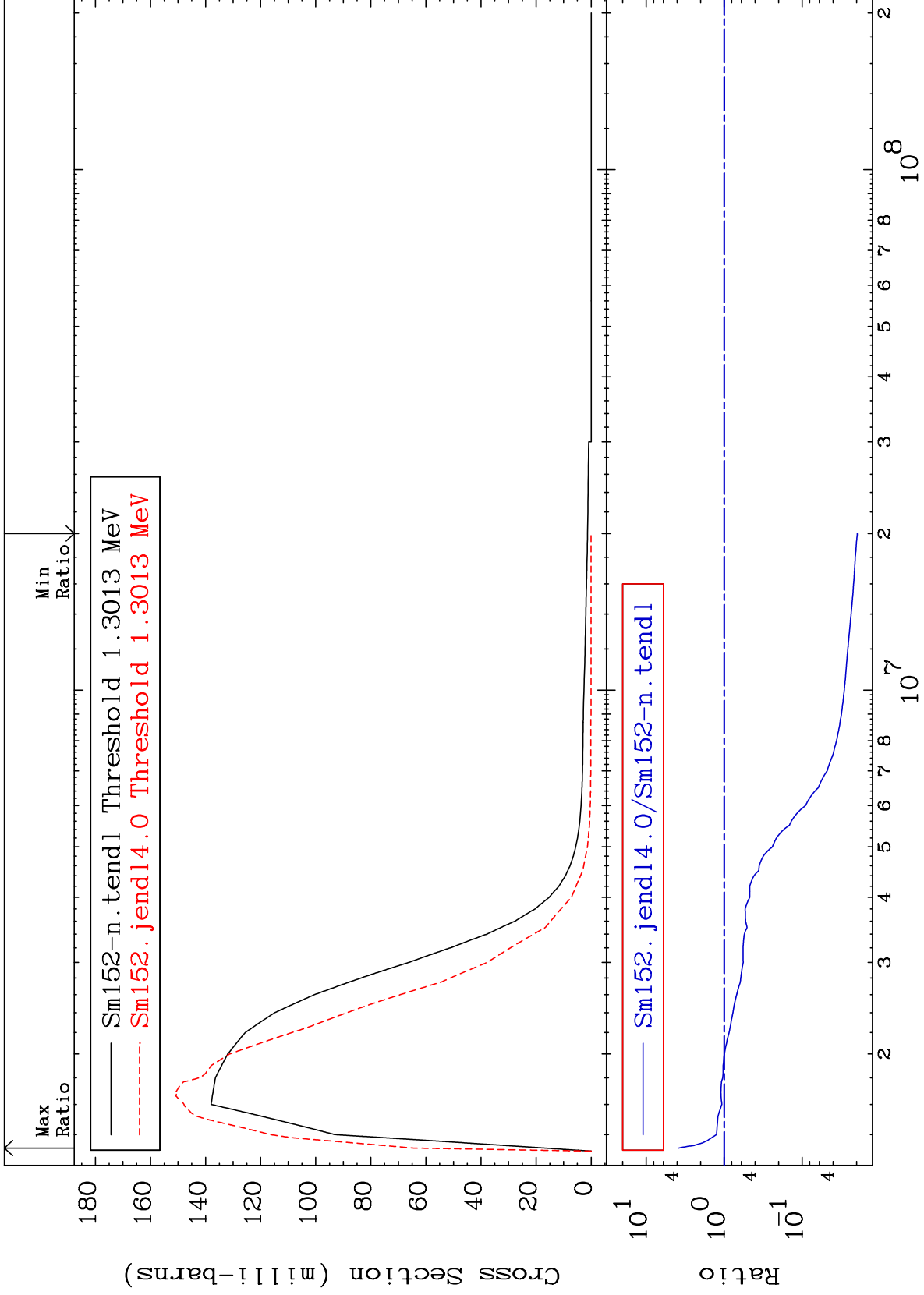
62-Sm-152
-34.04 To 9999. %



MAT 6249

1.293 MeV (n,n') Level
Cross Section

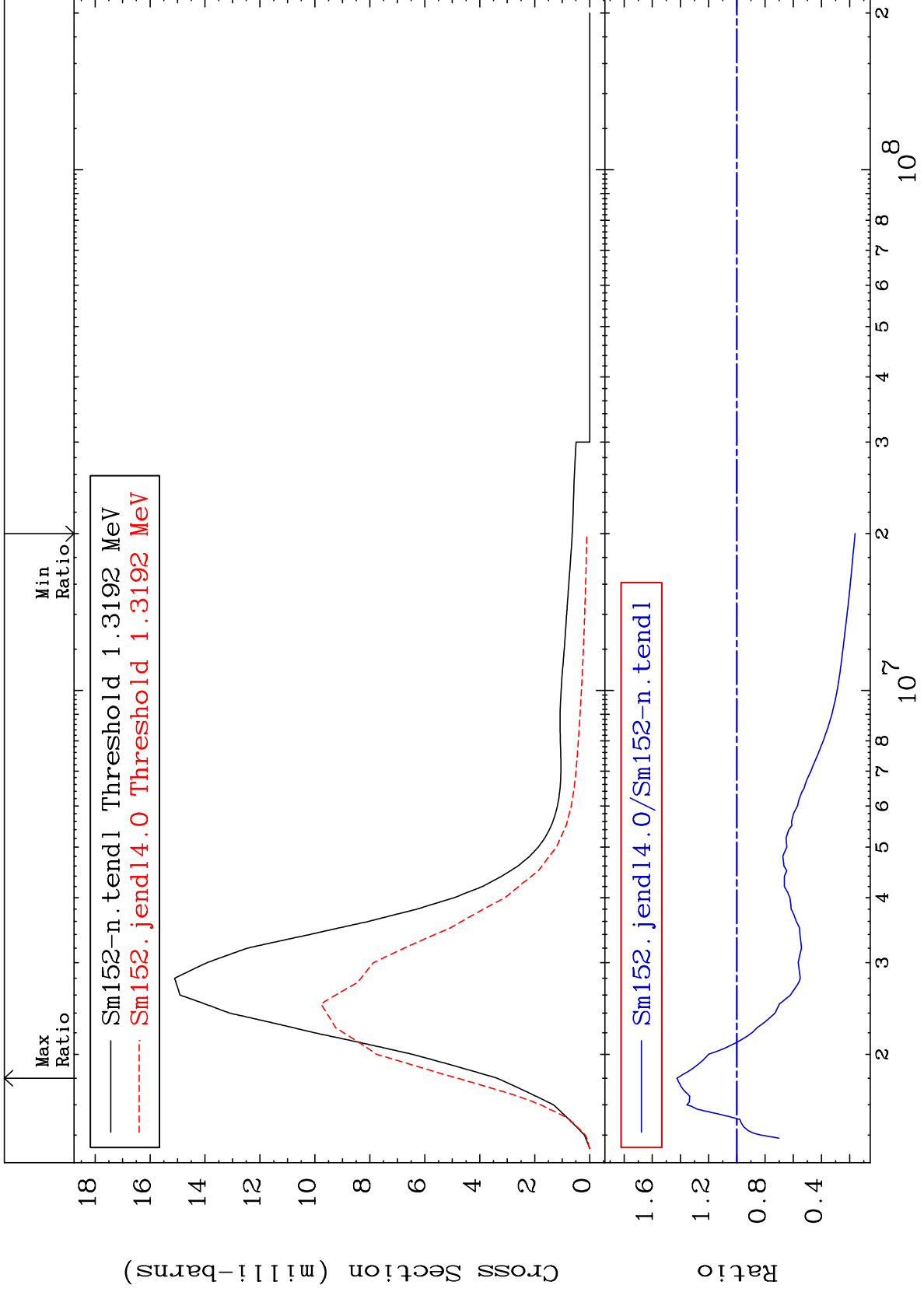
62-Sm-152
-98.04 To 283.3 %



MAT 6249

1.311 MeV (n,n') Level
Cross Section

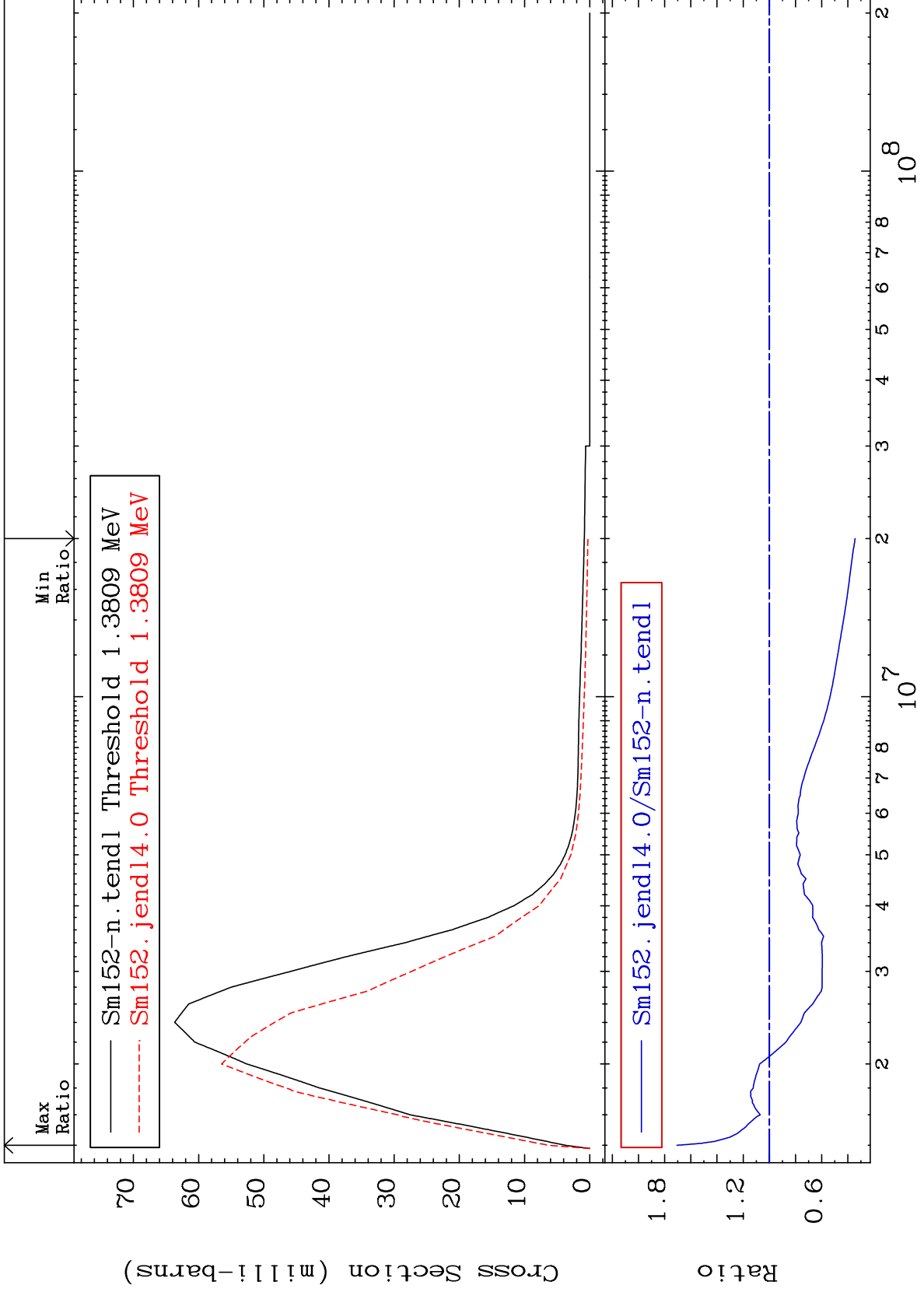
62-Sm-152
-83.81 To 42.53 %



MAT 6249

1.372 MeV (n,n') Level
Cross Section

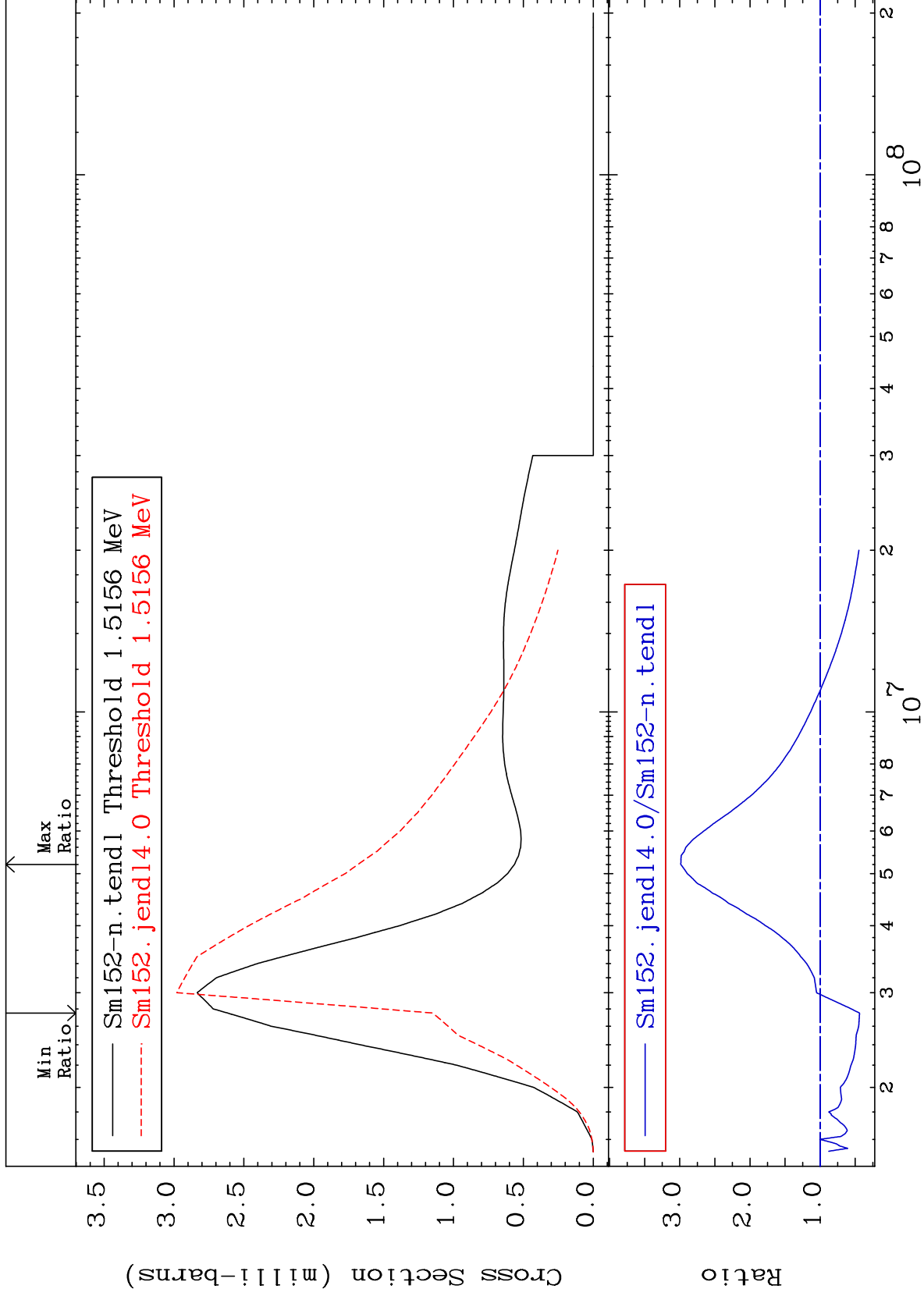
62-Sm-152
-65.57 To 70.66 %



MAT 6249

1.506 MeV (n,n') Level
Cross Section

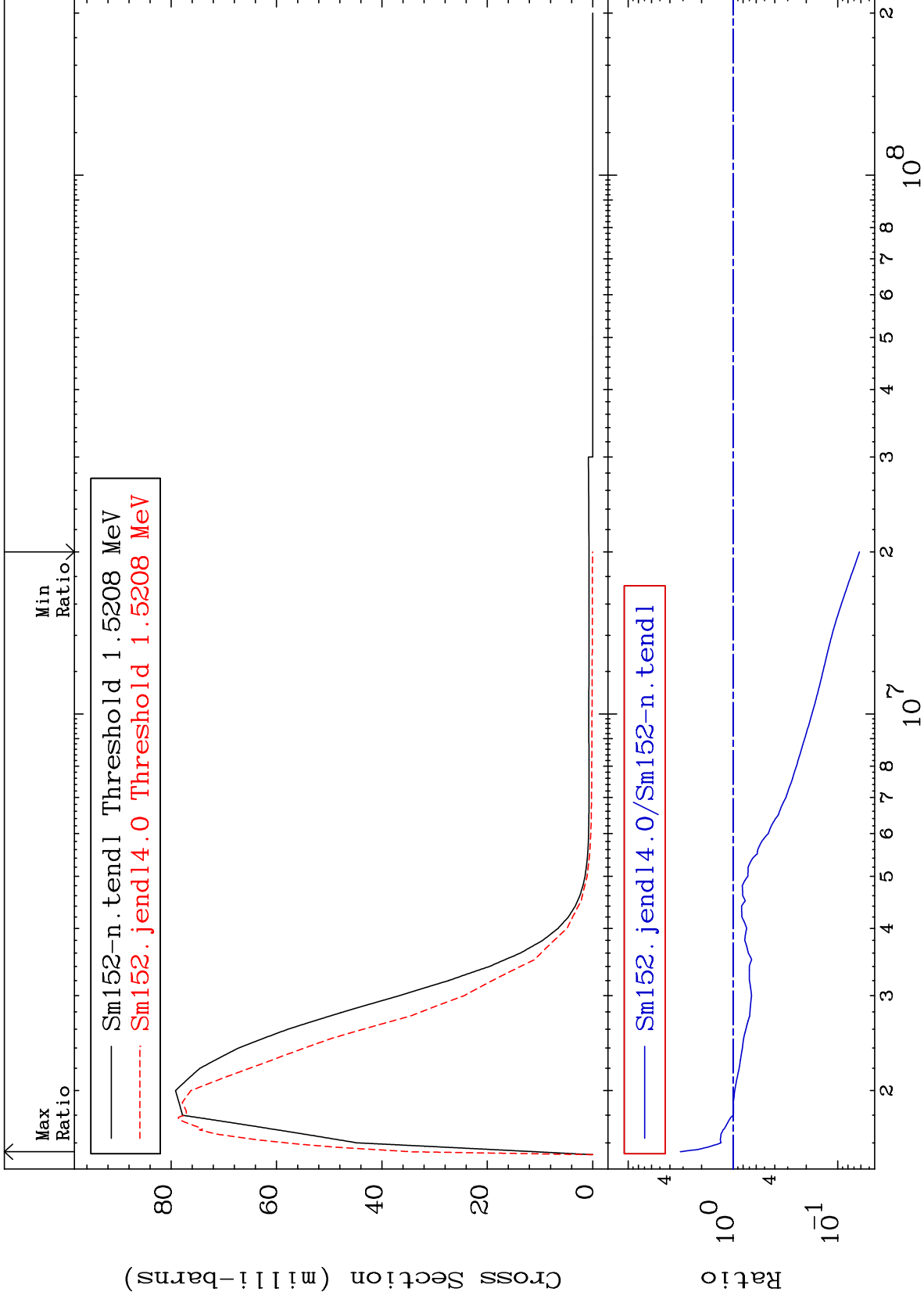
62-Sm-152
-56.10 To 198.6 %



MAT 6249

1.511 MeV (n,n') Level
Cross Section

62-Sm-152
-93.79 To 218.2 %



30

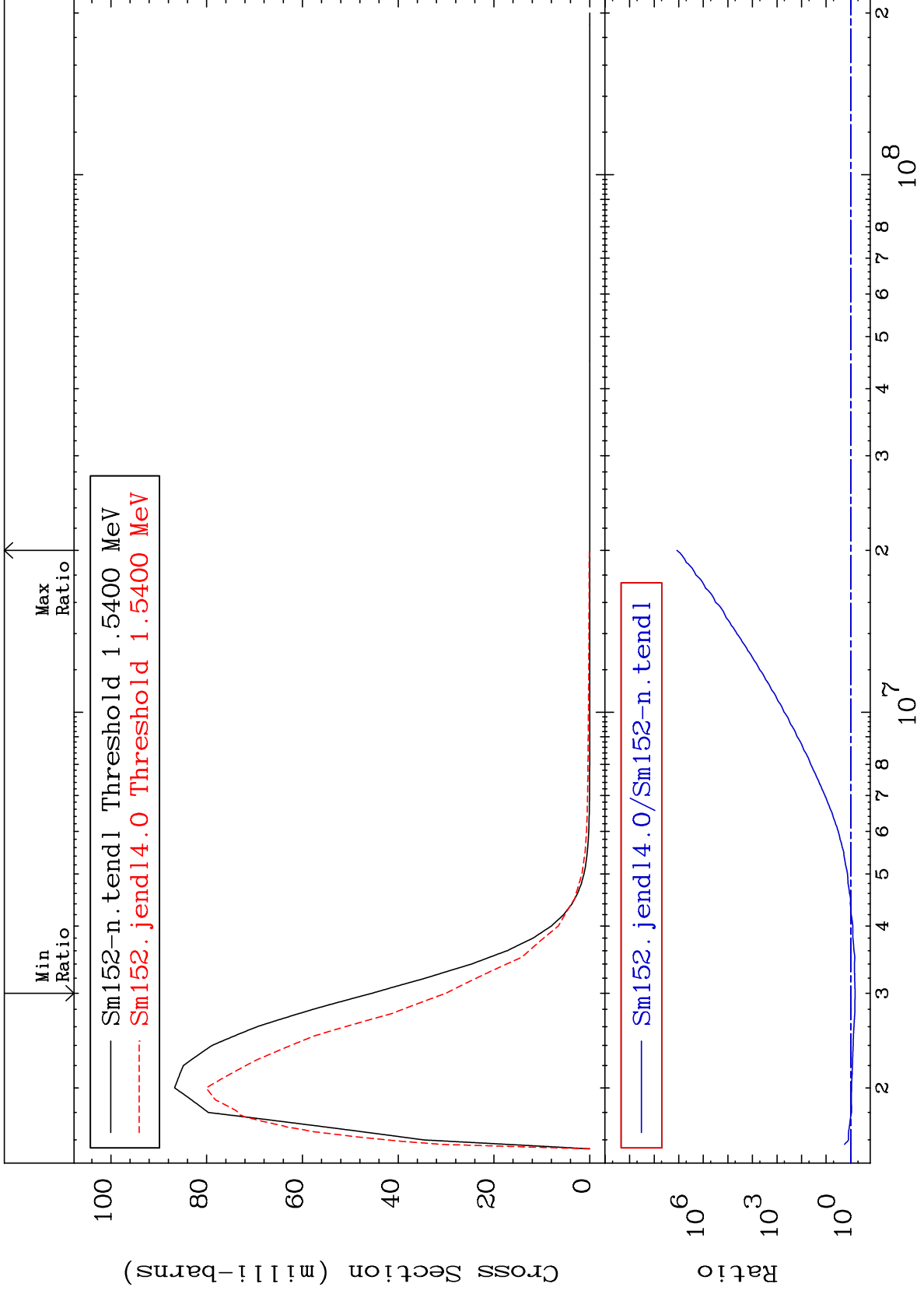
Incident Energy (eV)

62-Sm-152

MAT 6249

1.530 MeV (n,n') Level
Cross Section

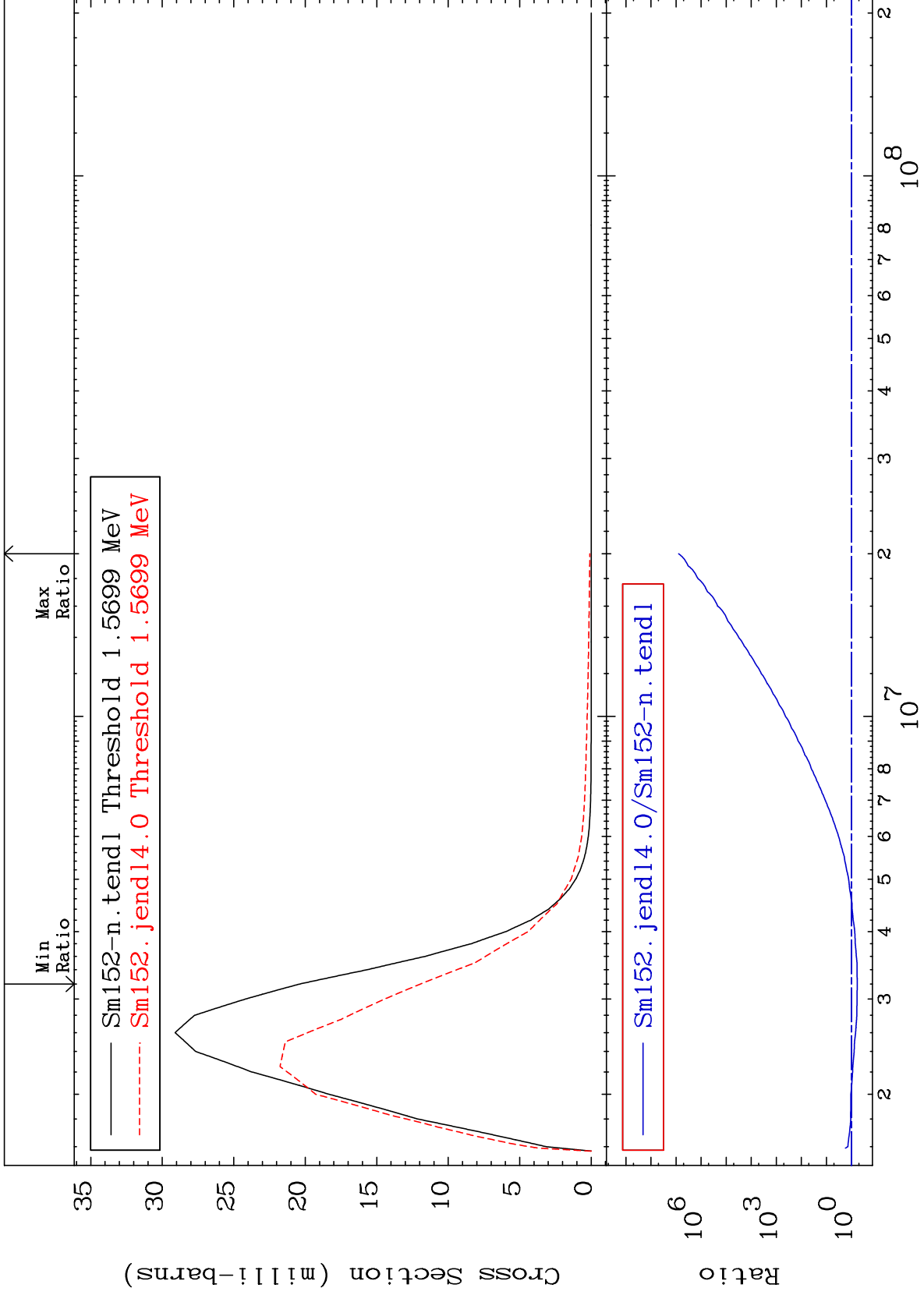
62-Sm-152
-33.93 To 9999. %



MAT 6249

1.560 MeV (n,n') Level
Cross Section

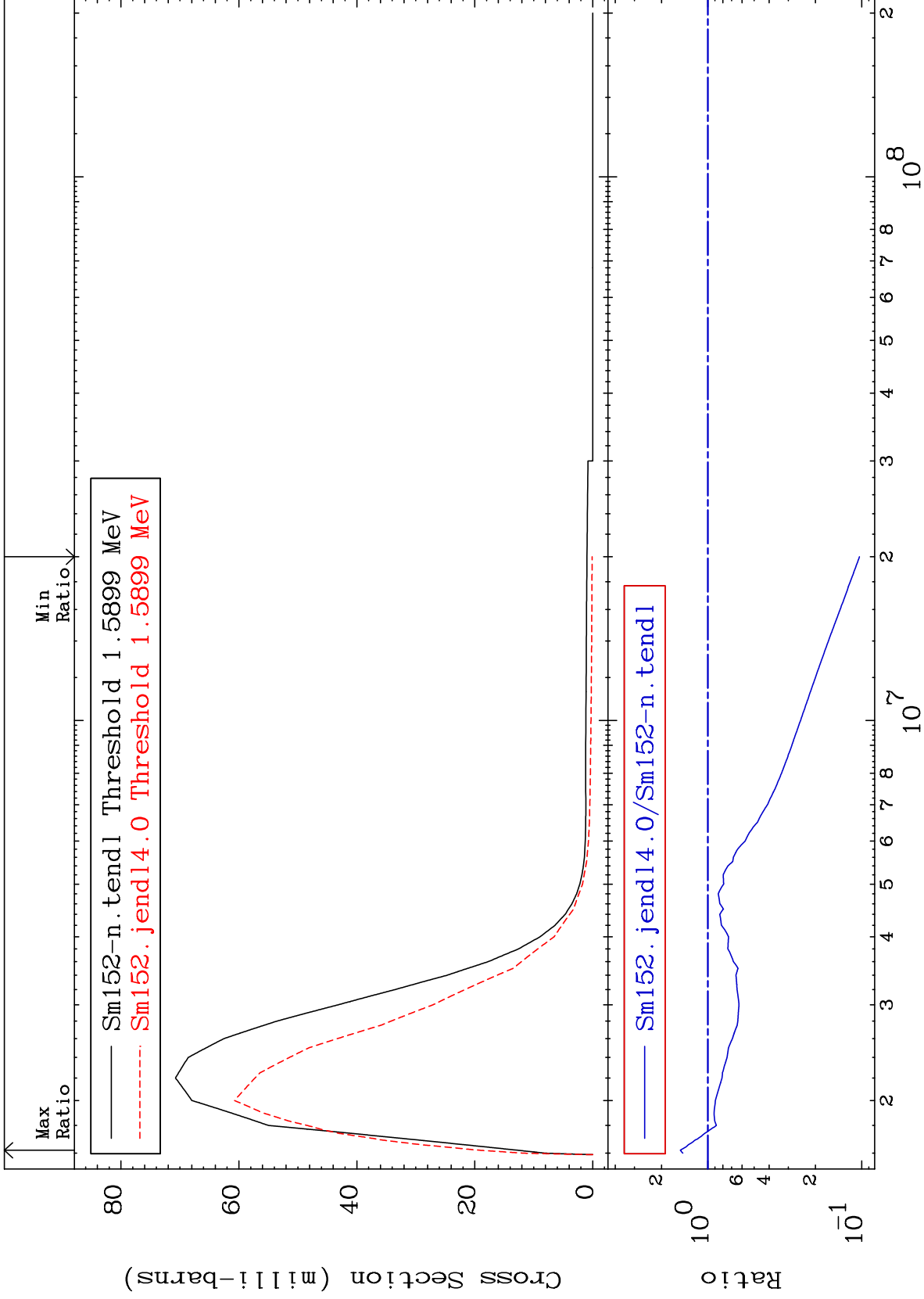
62-Sm-152
-41.45 To 9999. %

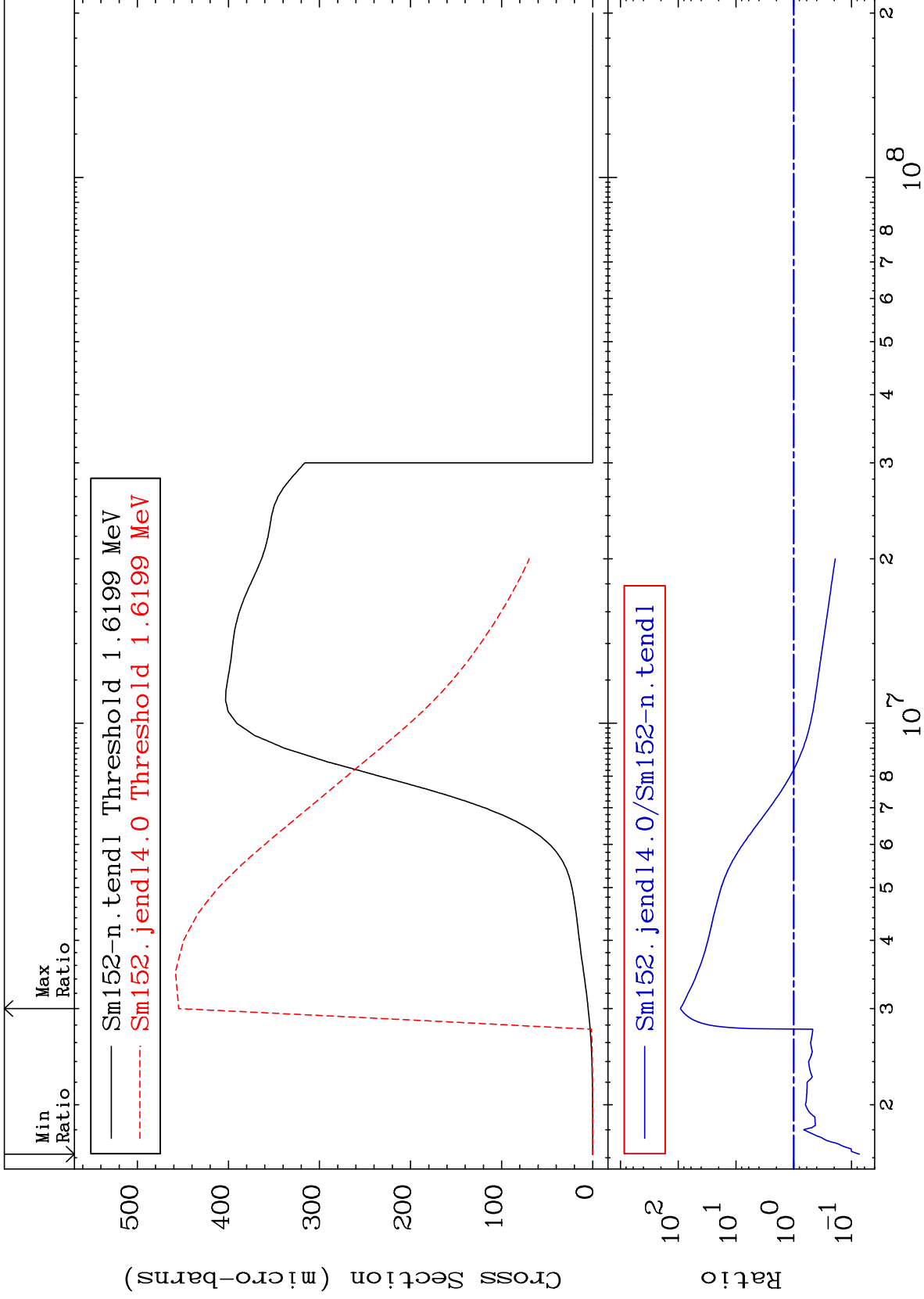


MAT 6249

1.579 MeV (n,n') Level
Cross Section

62-Sm-152
-89.65 To 50.86 %

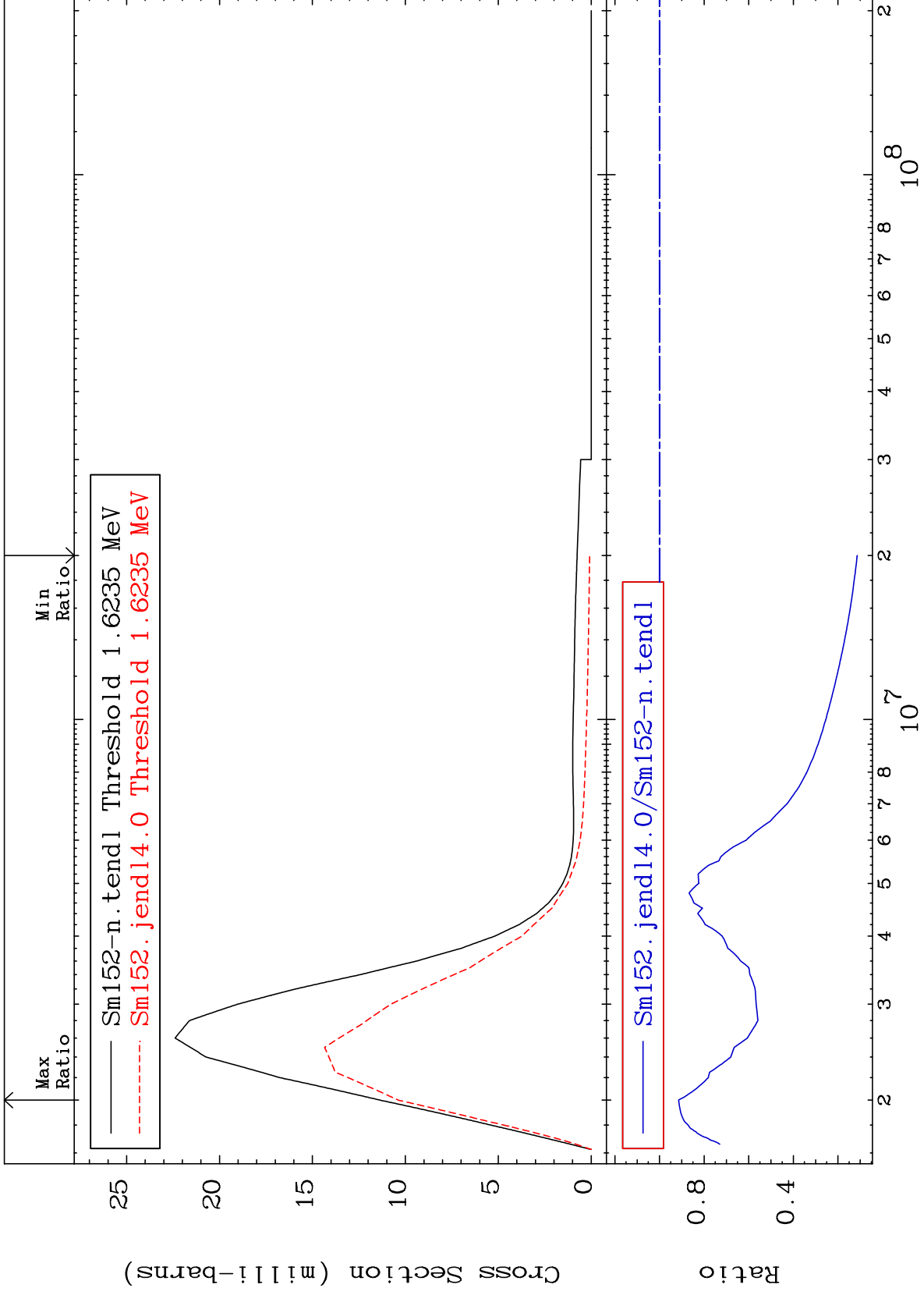




MAT 6249

1.613 MeV (n,n') Level
Cross Section

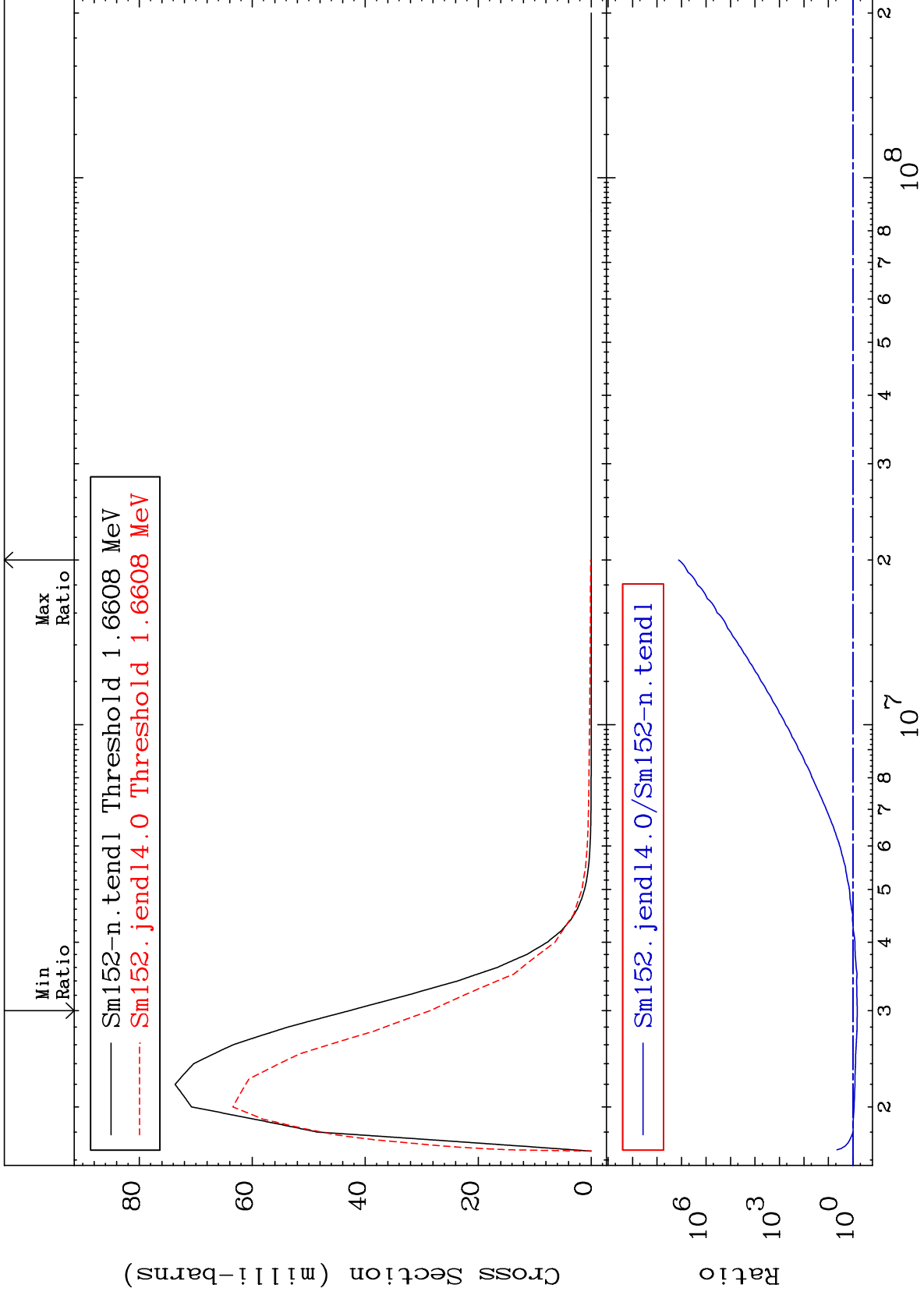
62-Sm-152
-88.67 To -8.595%



MAT 6249

1.650 MeV (n,n') Level
Cross Section

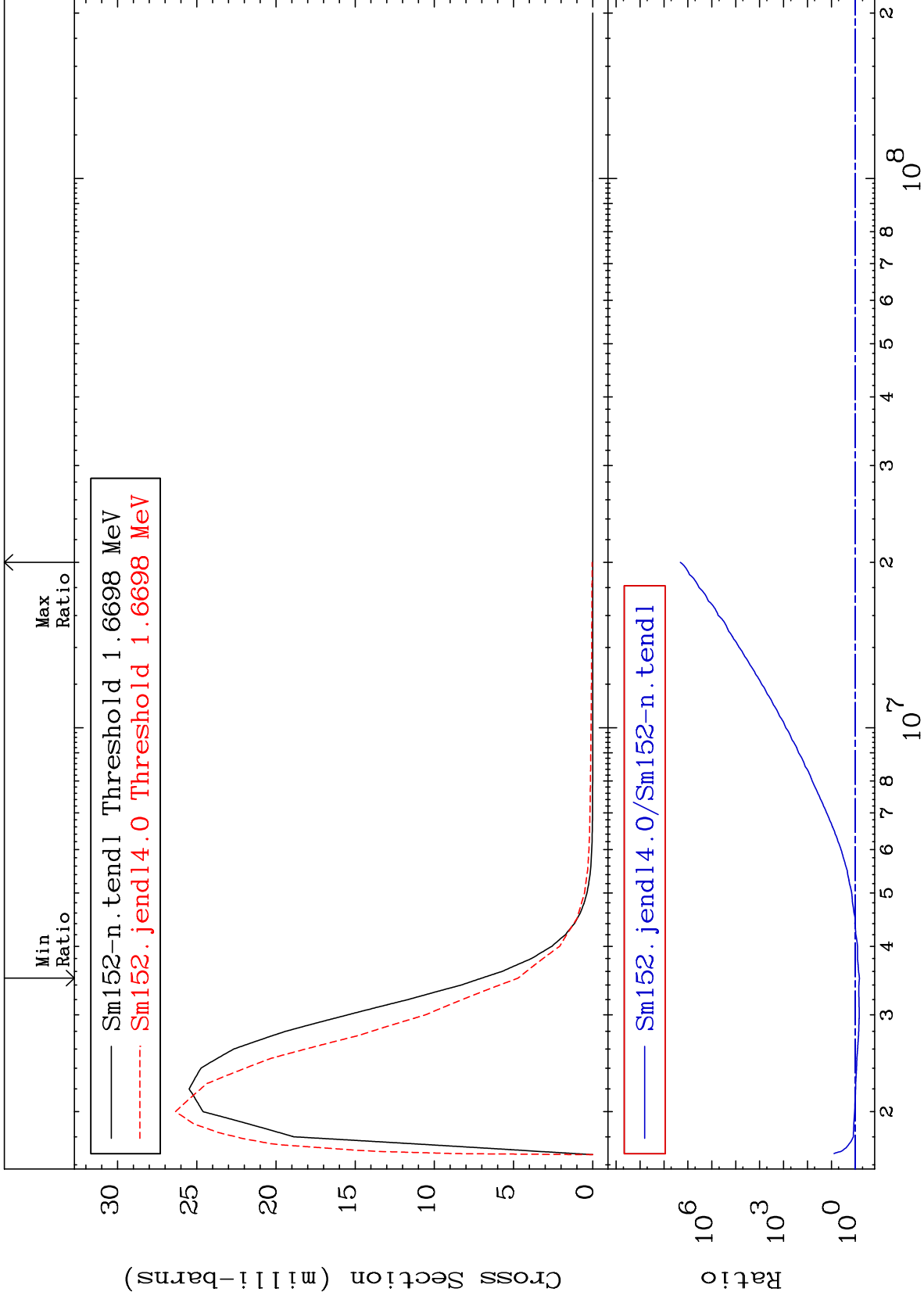
62-Sm-152
-33.40 To 9999. %



MAT 6249

1.659 MeV (n,n') Level
Cross Section

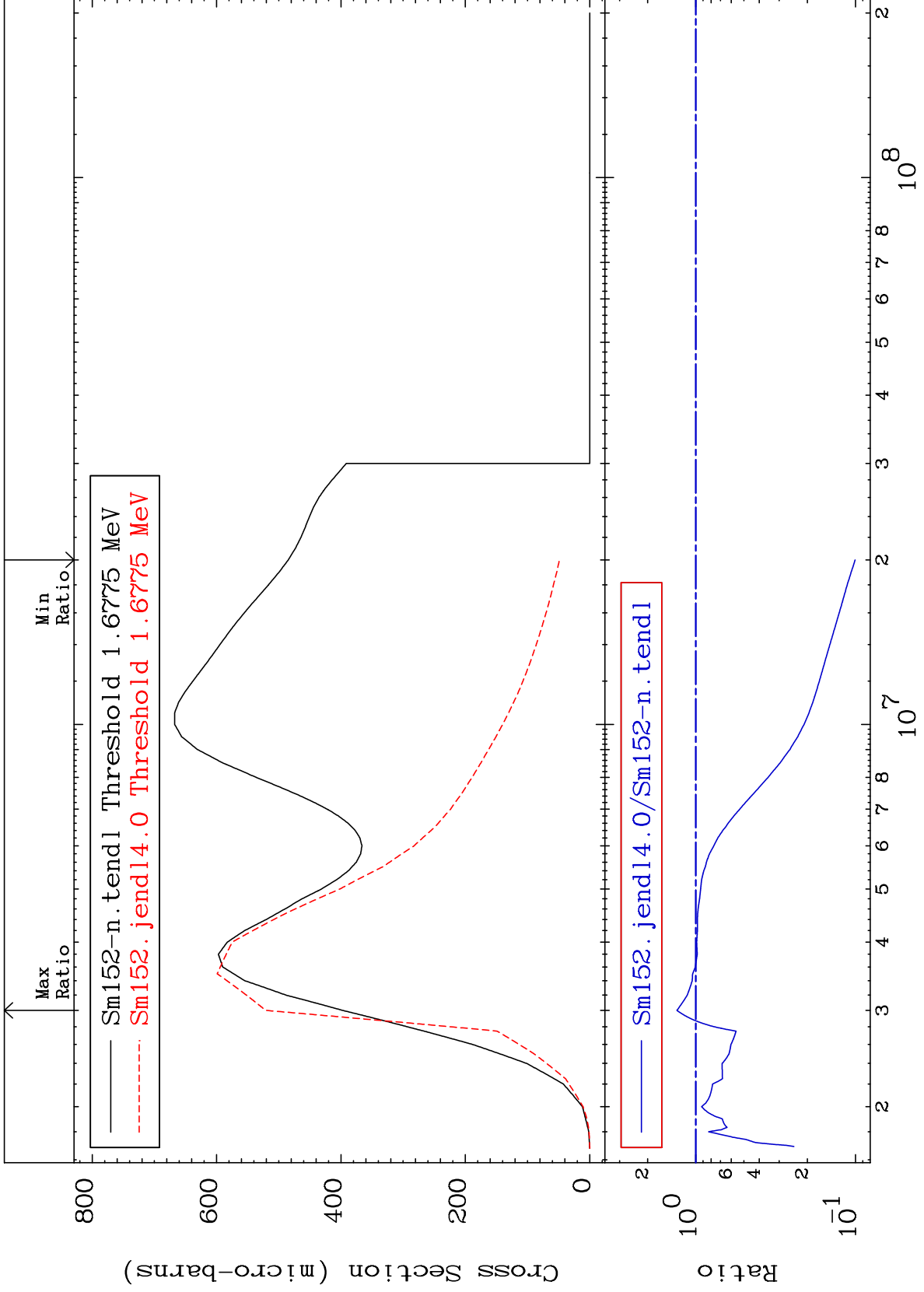
62-Sm-152
-32.81 To 9999. %



MAT 6249

1.666 MeV (n,n') Level
Cross Section

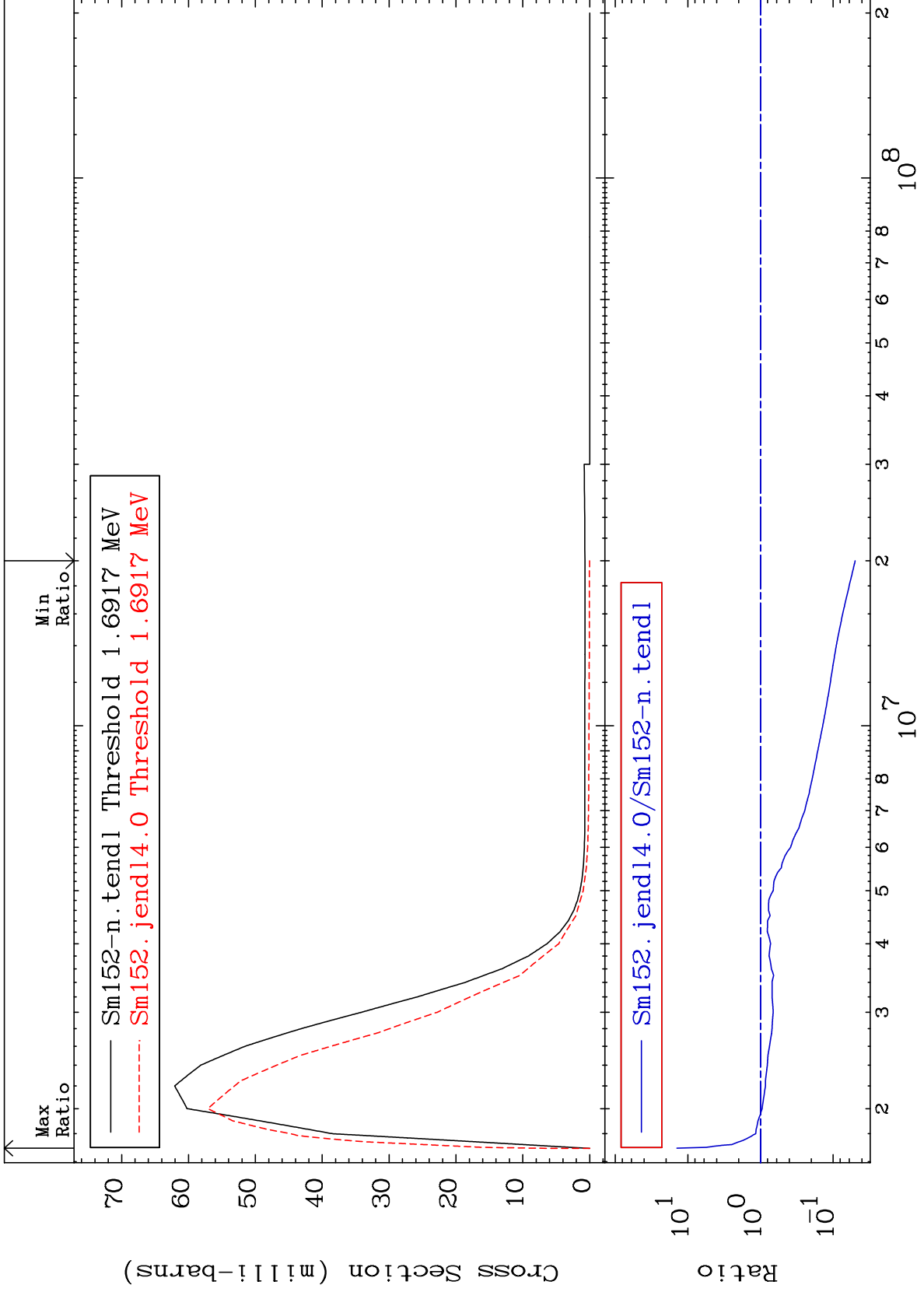
62-Sm-152
-89.95 To 31.14 %



MAT 6249

1.681 MeV (n,n') Level
Cross Section

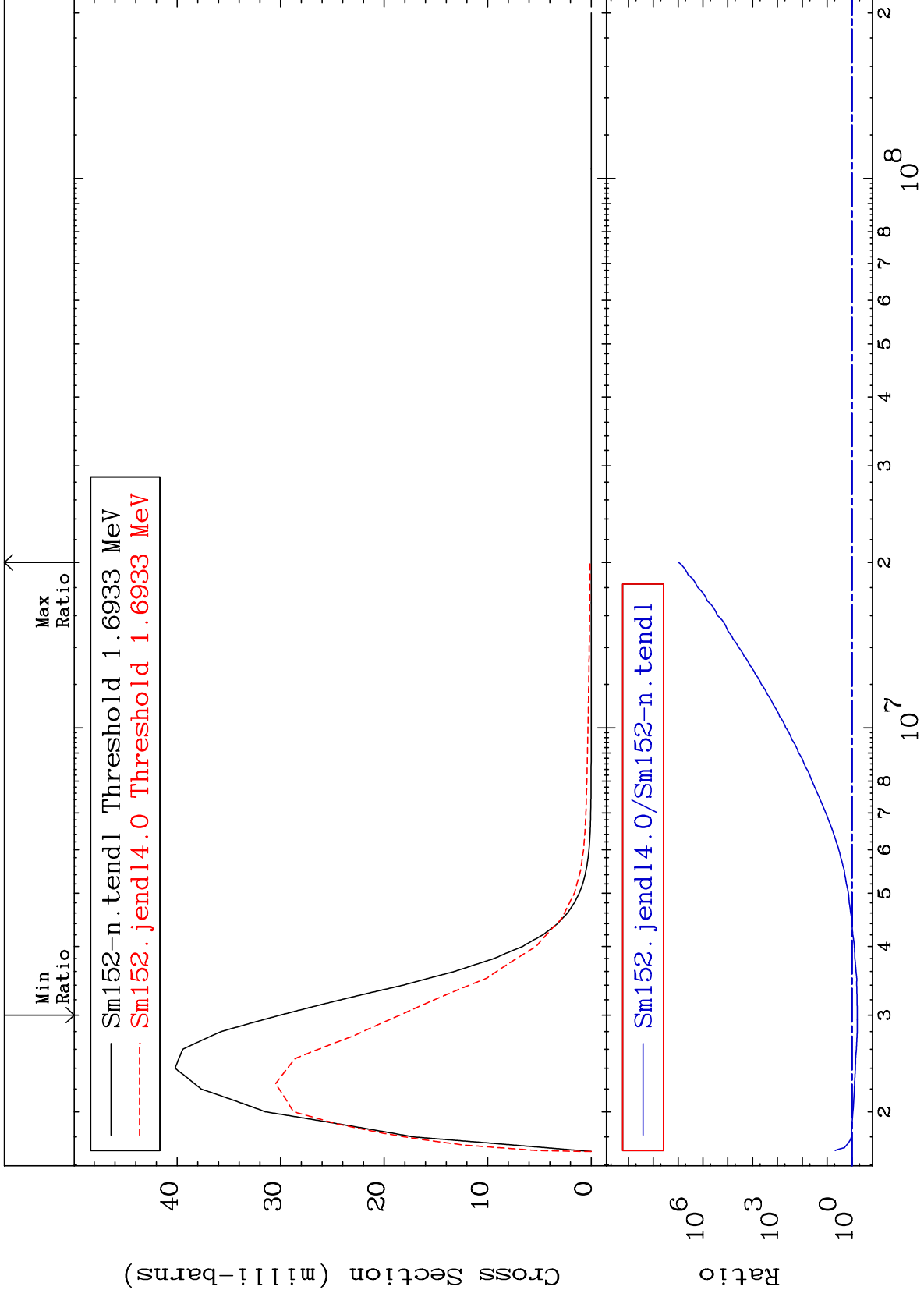
62-Sm-152
-95.02 To 1316. %



MAT 6249

1.682 MeV (n,n') Level
Cross Section

62-Sm-152
-38.50 To 9999. %



40

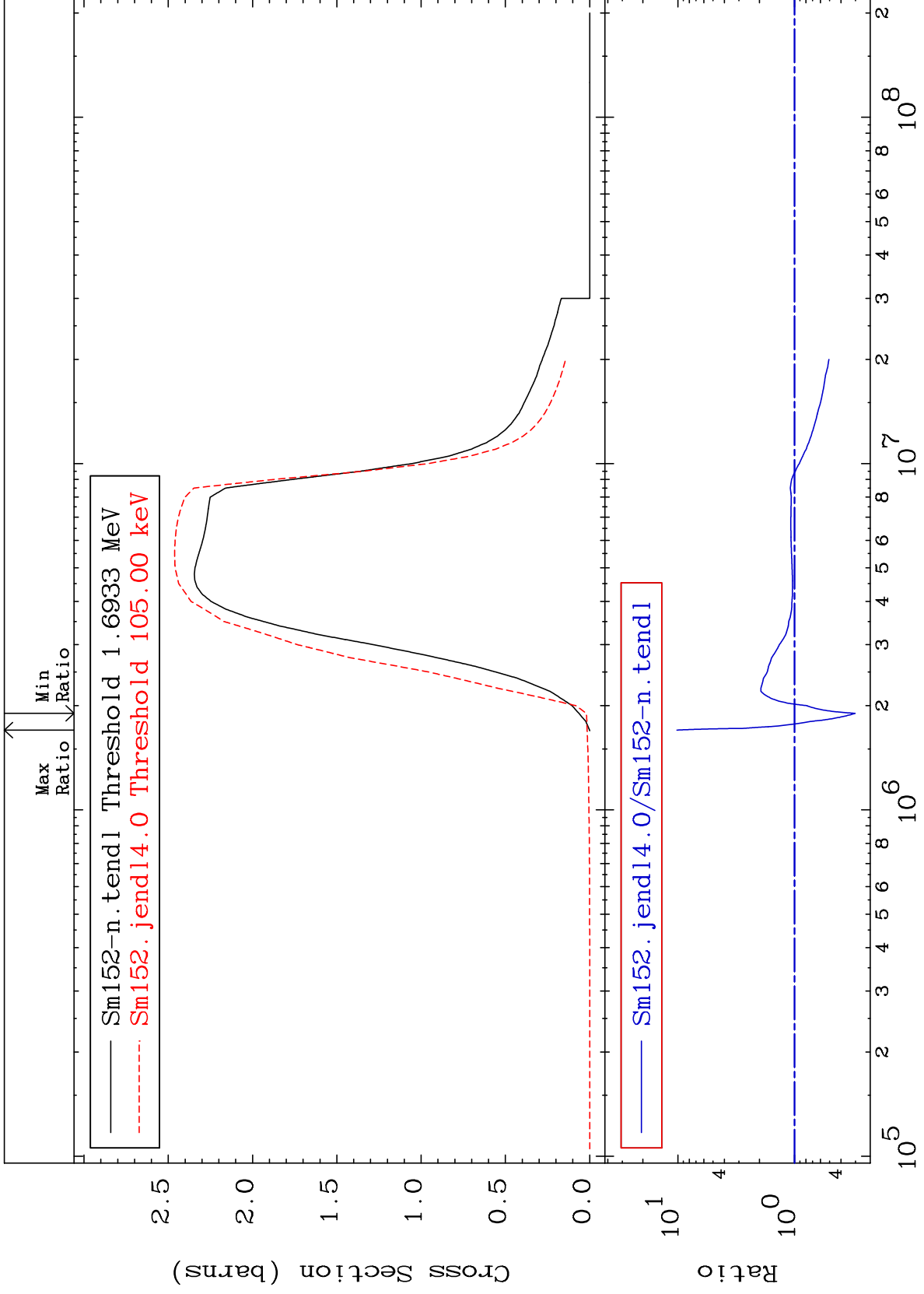
Incident Energy (eV)

62-Sm-152

MAT 6249

(n, n') Continuum
Cross Section

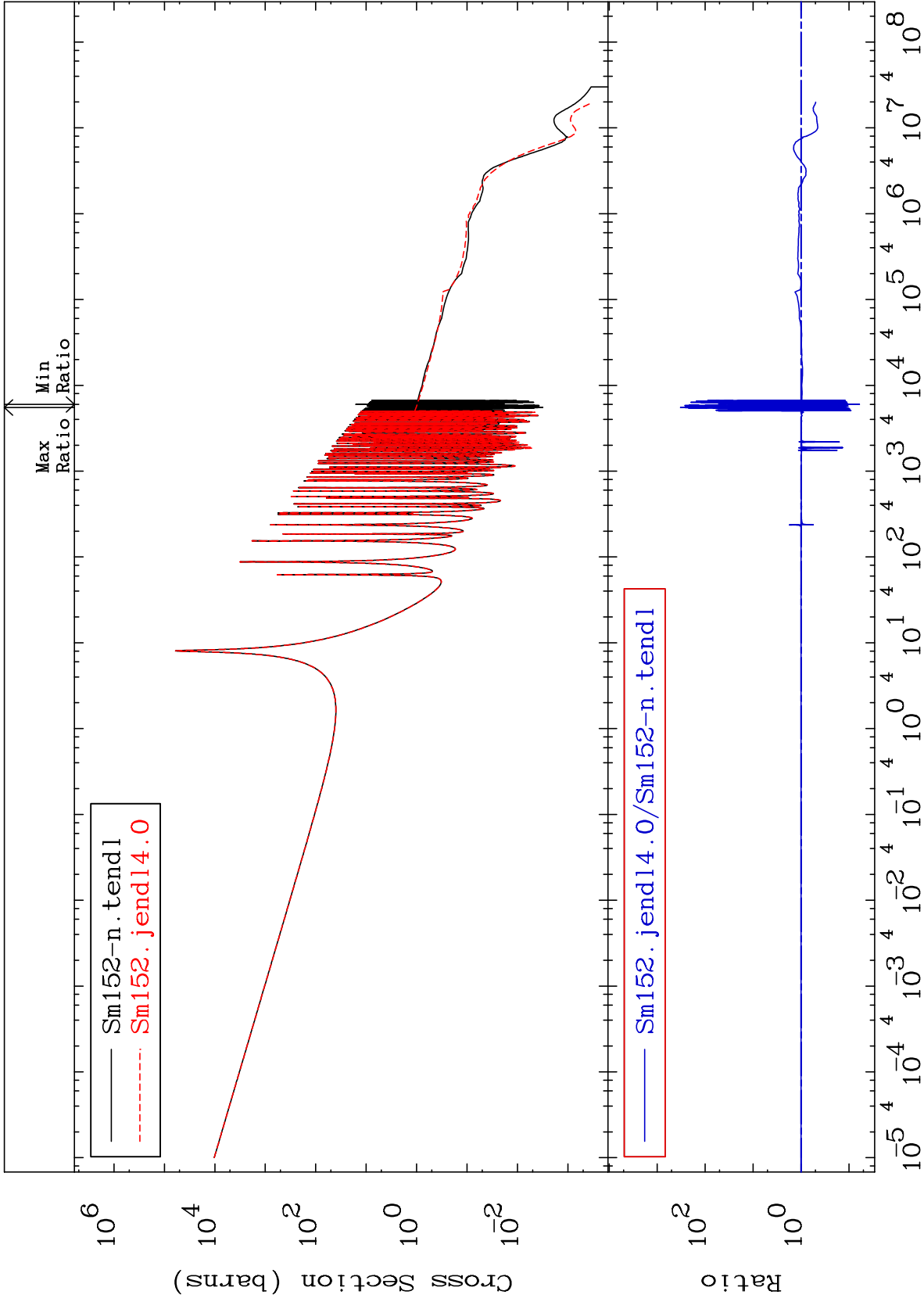
62-Sm-152
-69.75 To 920.5 %



MAT 6249

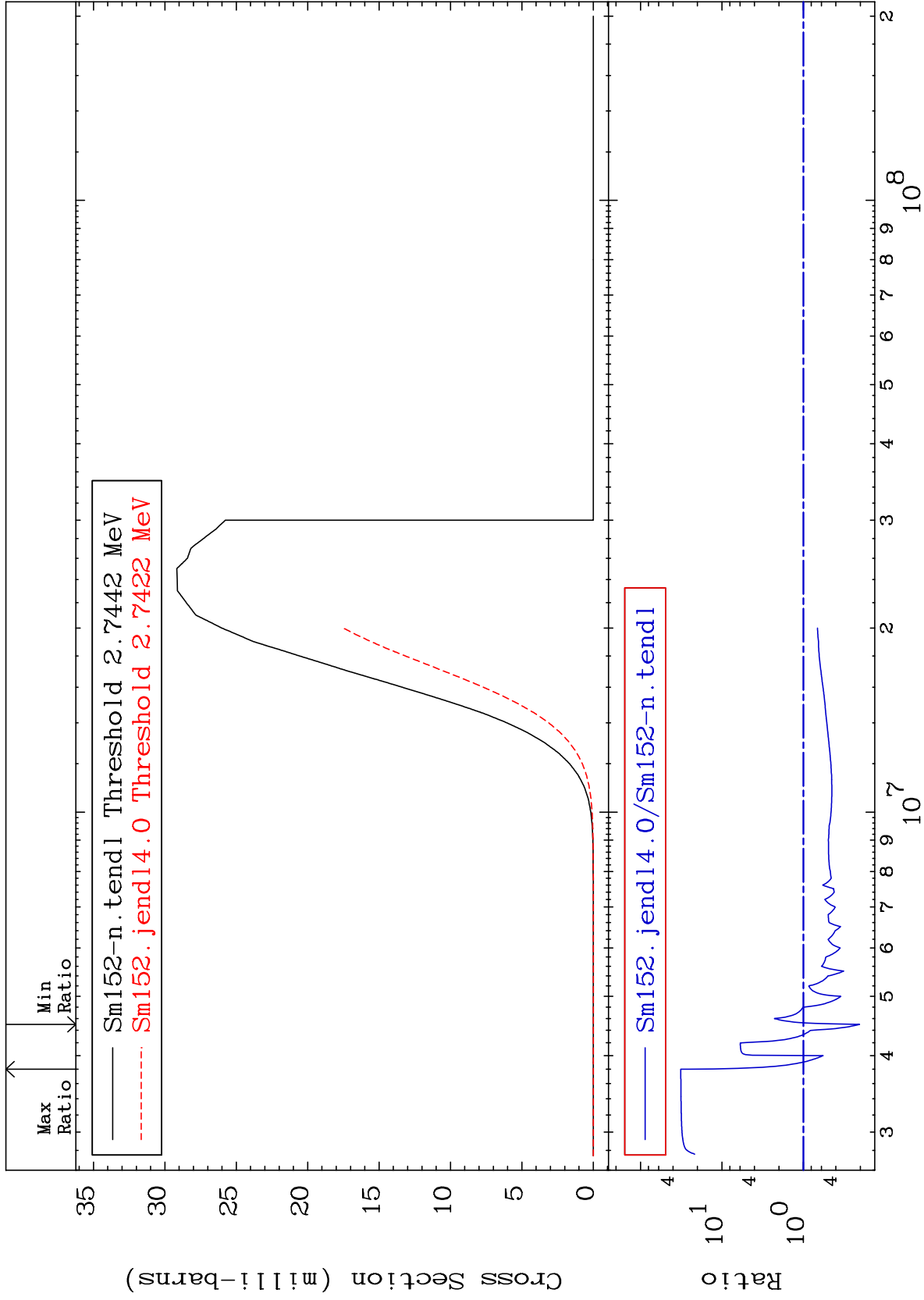
(n, γ)
Cross Section

62-Sm-152
-93.93 To 9999. %



Cross Section

-79.53 To 3107. %



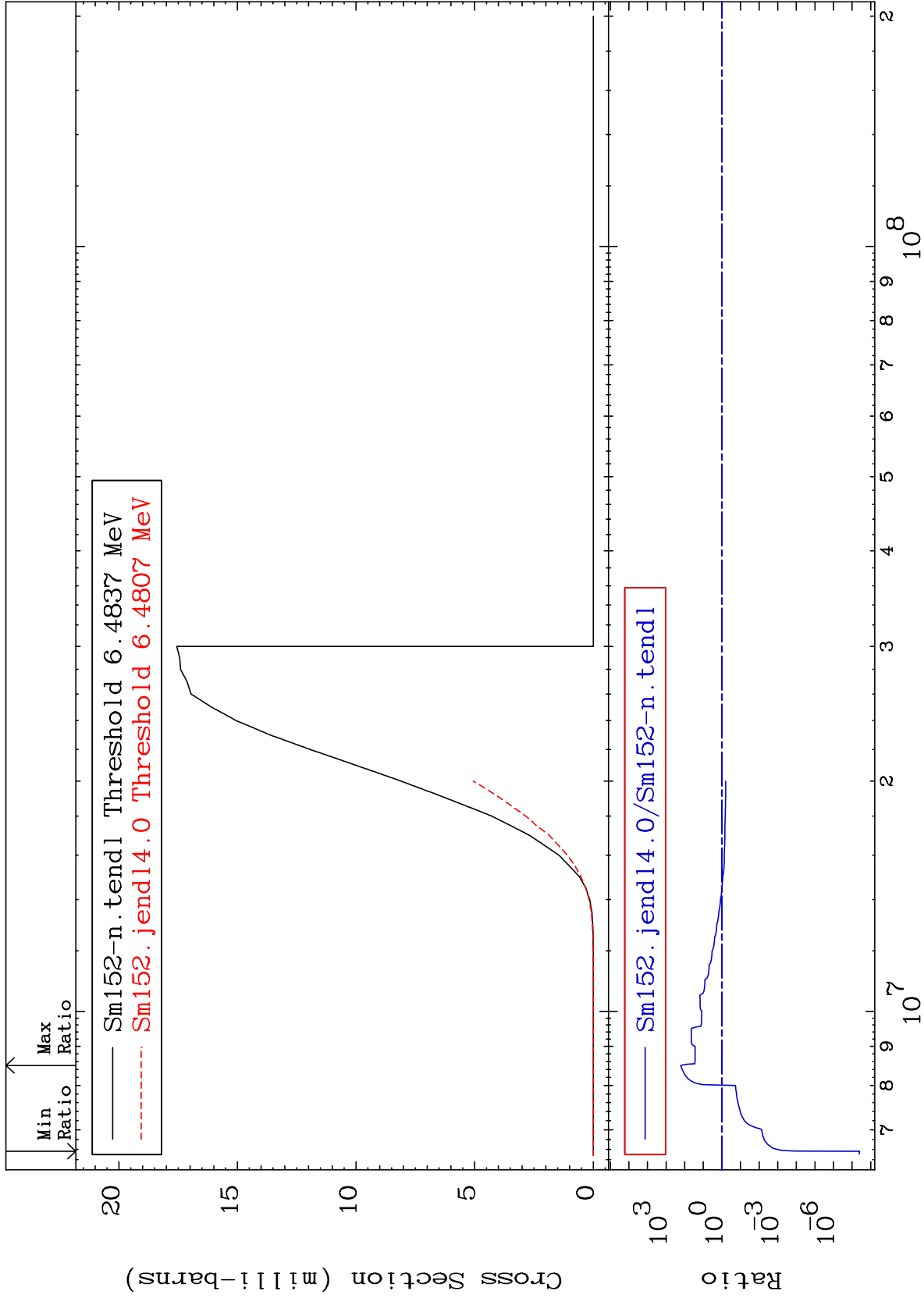
MAT 6249

(n, d)

62-Sm-152

Cross Section

-100.0 To 9999. %



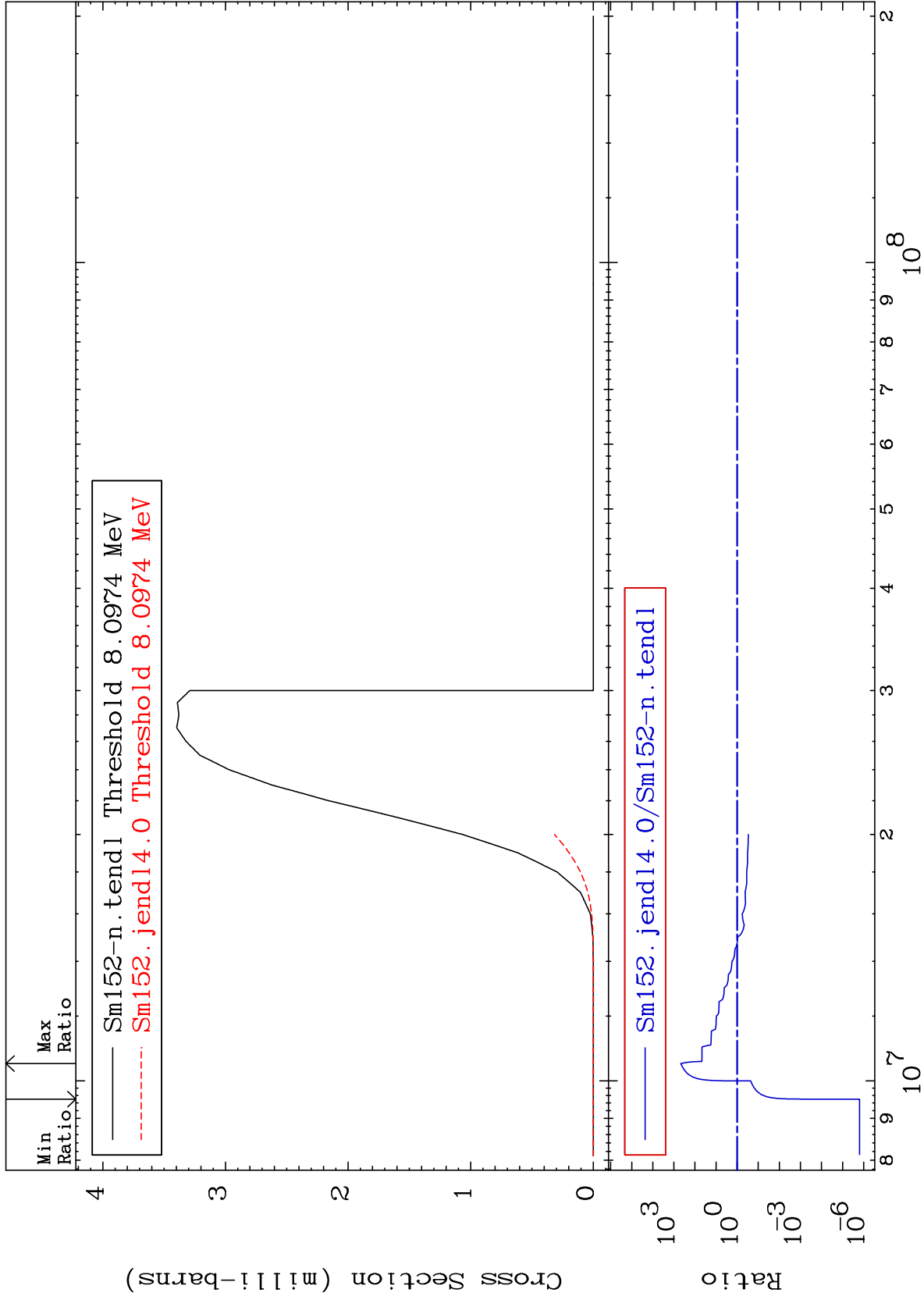
MAT 6249

(n, t)

62-Sm-152

Cross Section

-100.0 To 9999. %



45

Incident Energy (eV)

62-Sm-152

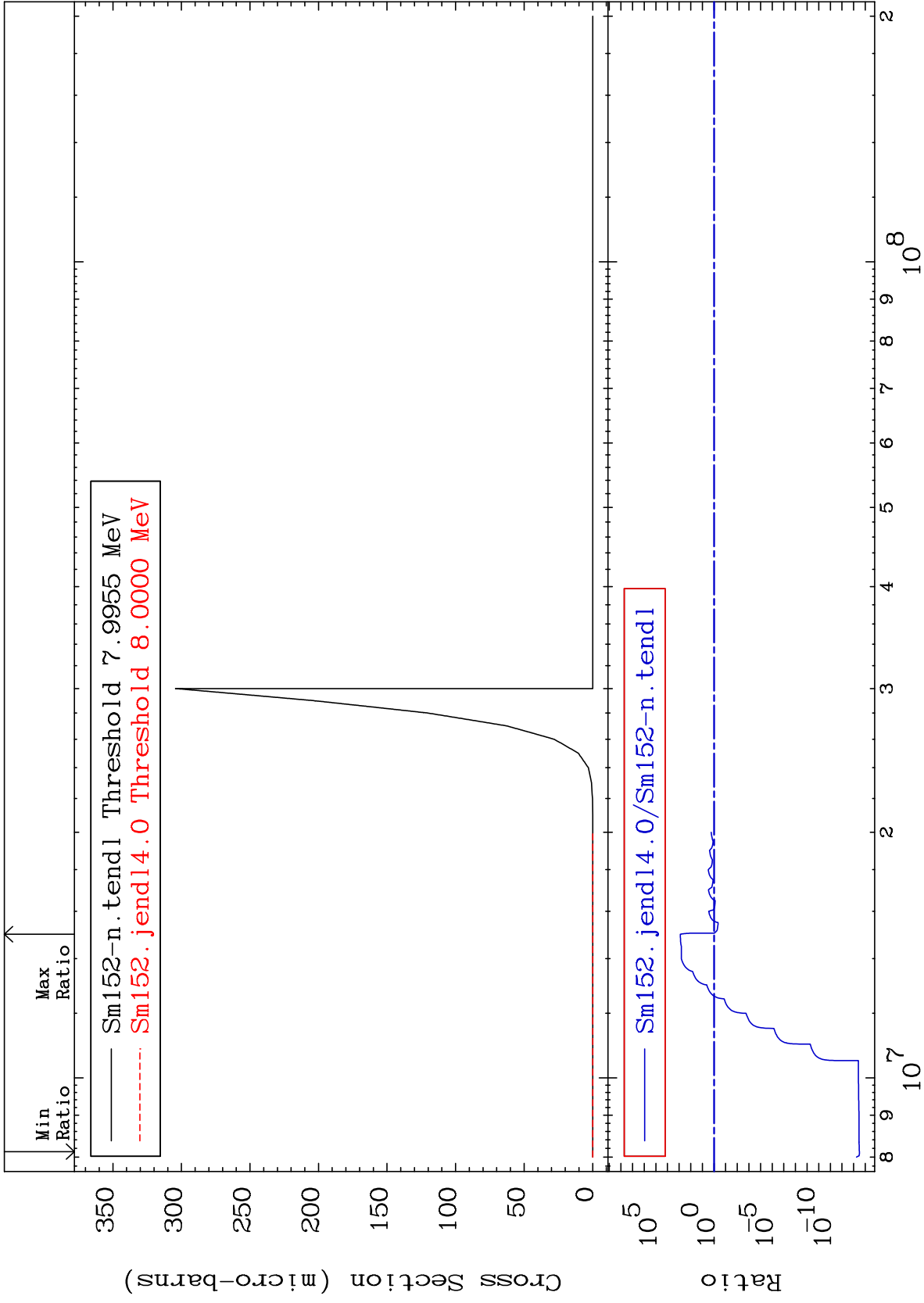
MAT 6249

(n, He-3)

62-Sm-152

Cross Section

-100.0 To 9999. %



46

62-Sm-152

62-Sm-152

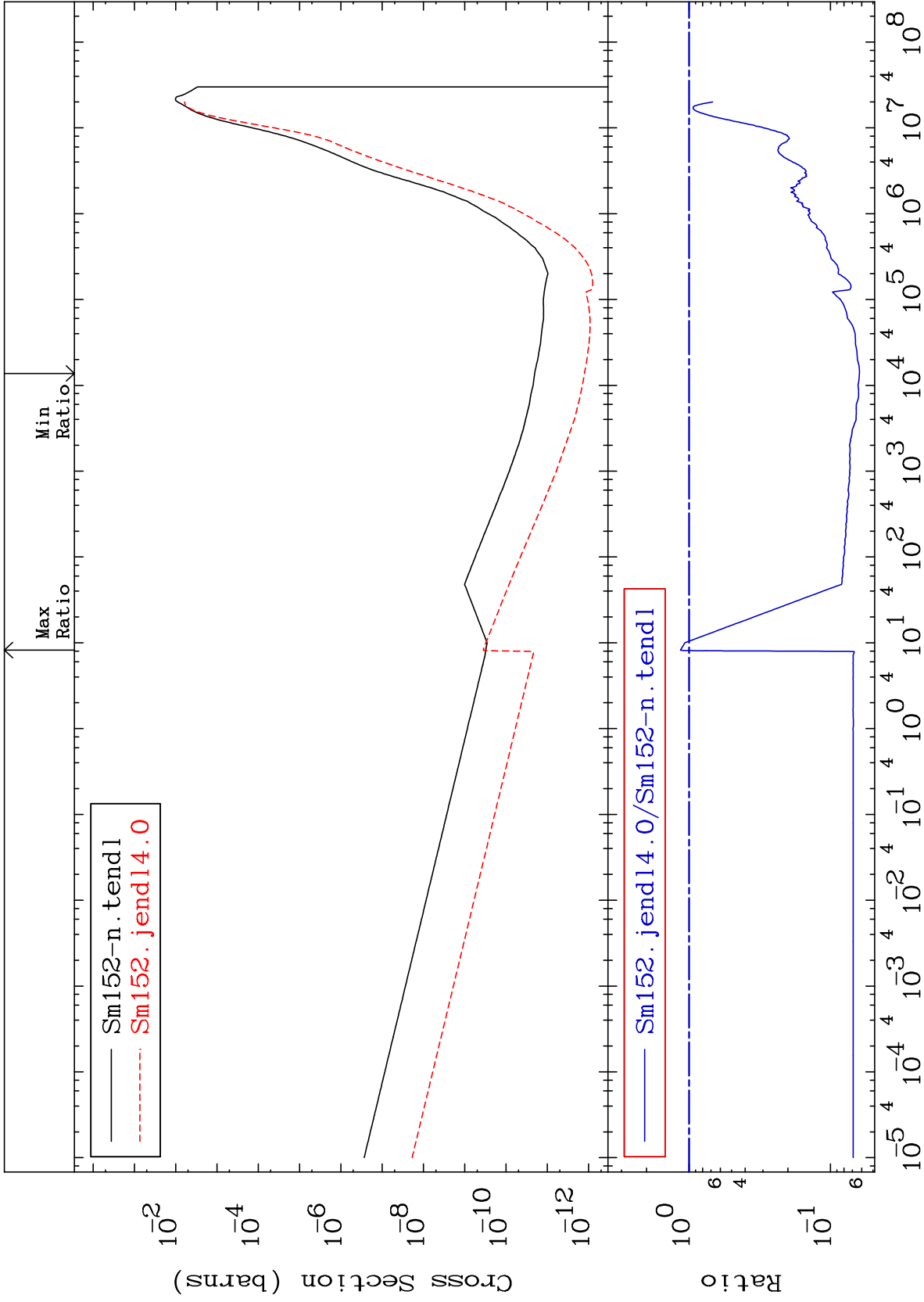
MAT 6249

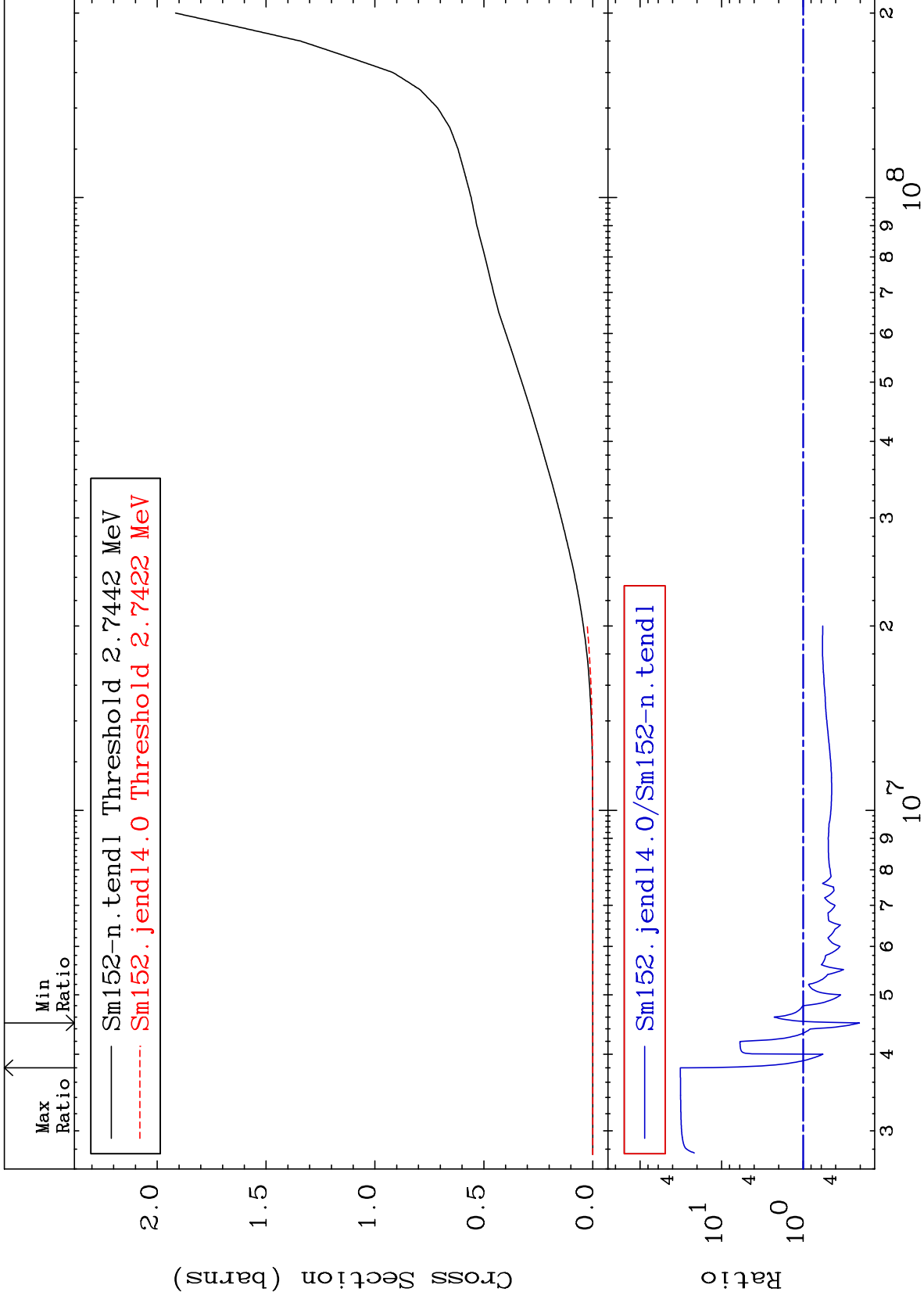
(n, α)

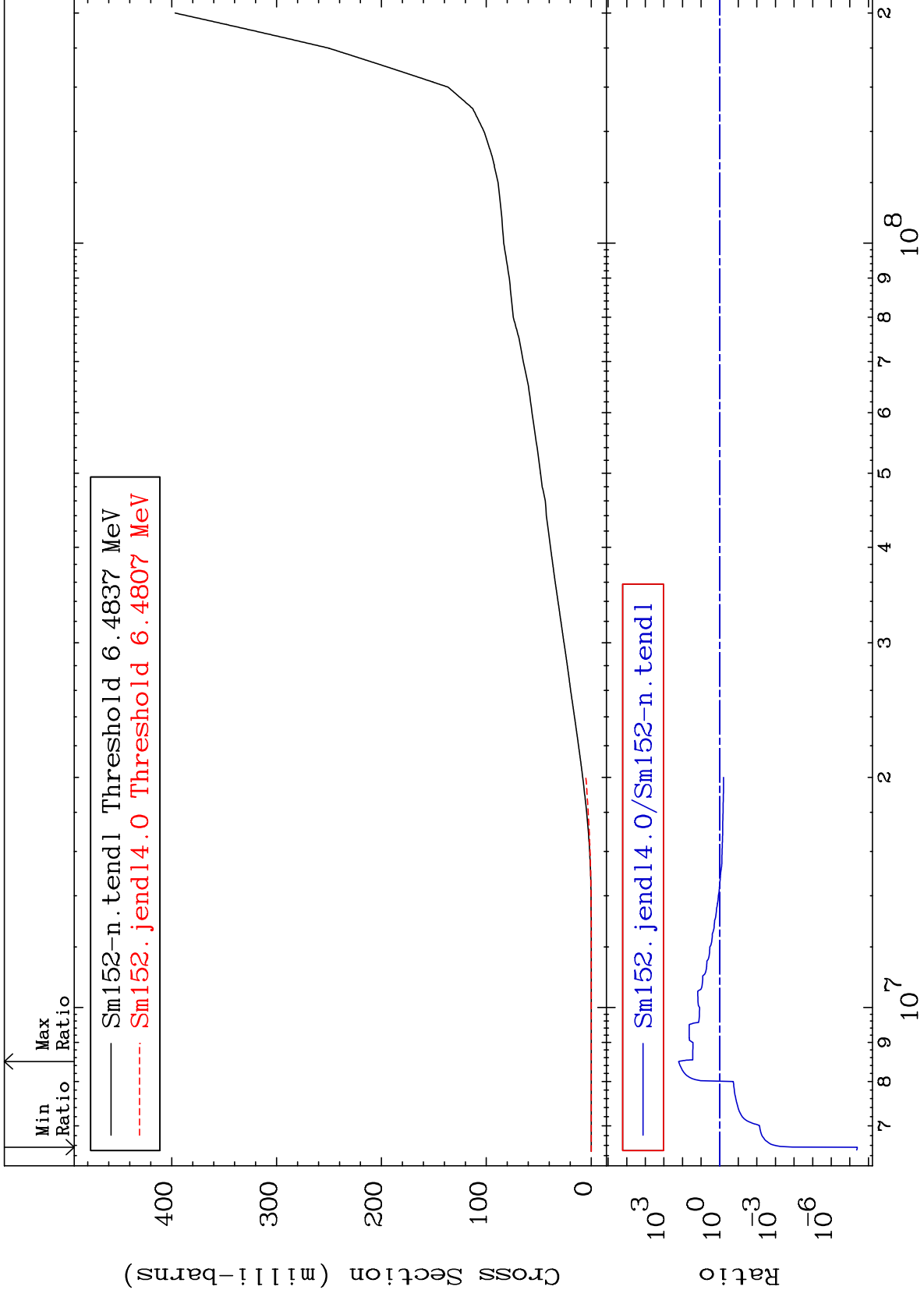
62-Sm-152

Cross Section

-93.77 To 15.12 %



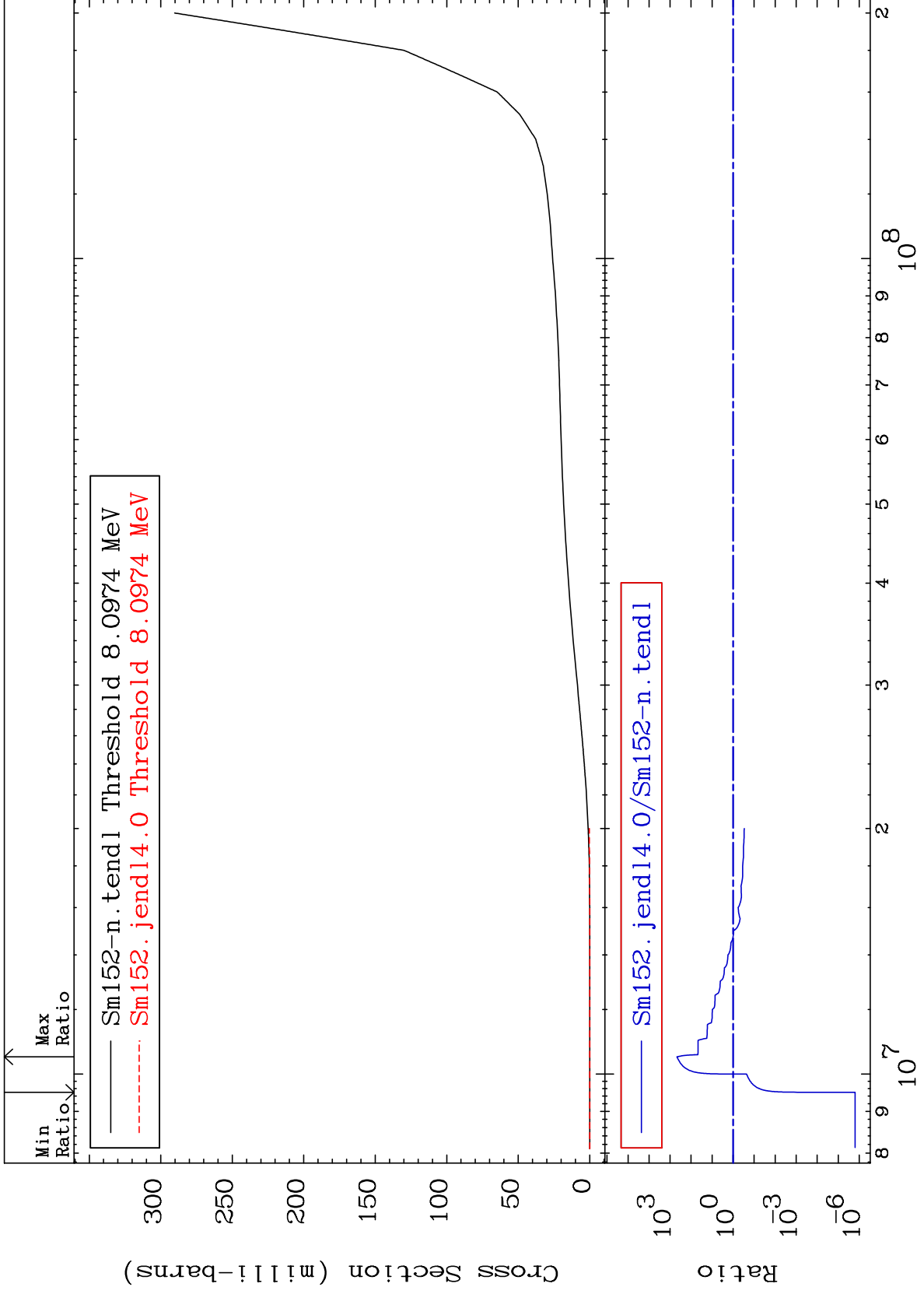




MAT 6249

Tritium Production
Cross Section

62-Sm-152
-100.0 To 9999. %



50

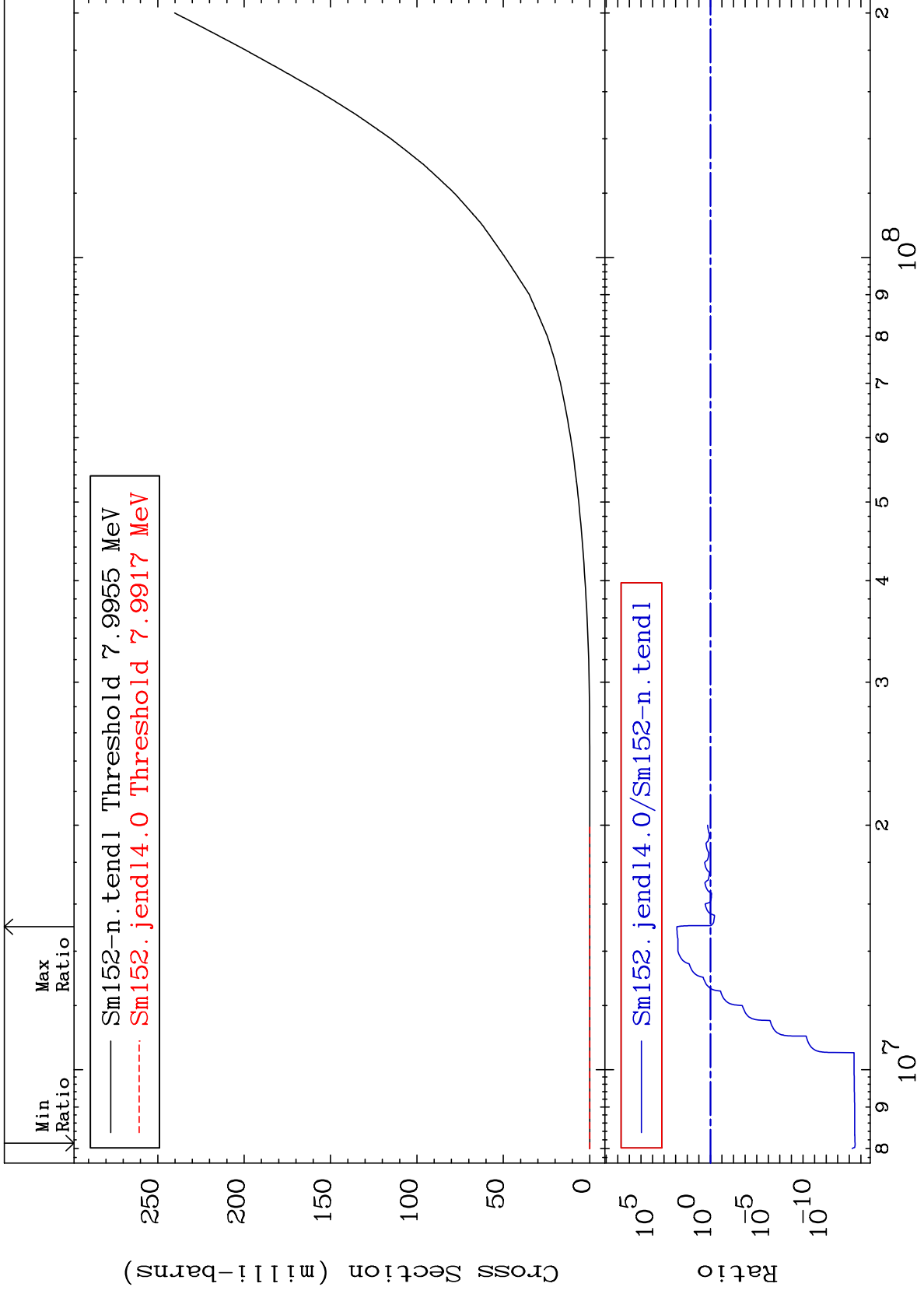
Incident Energy (eV)

62-Sm-152

MAT 6249

He-3 Production
Cross Section

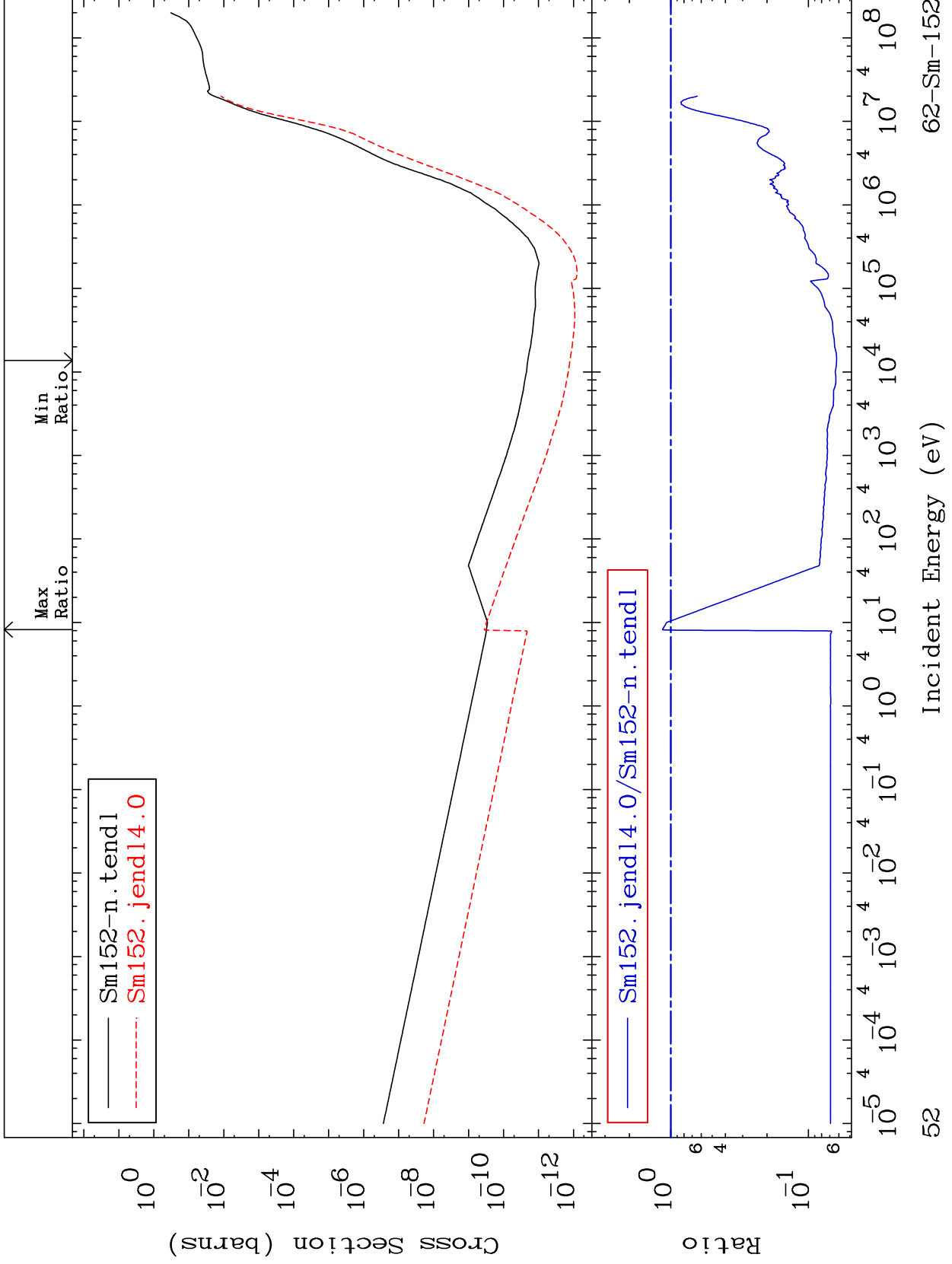
62-Sm-152
-100.0 To 9999. %



MAT 6249

He-4 Production
Cross Section

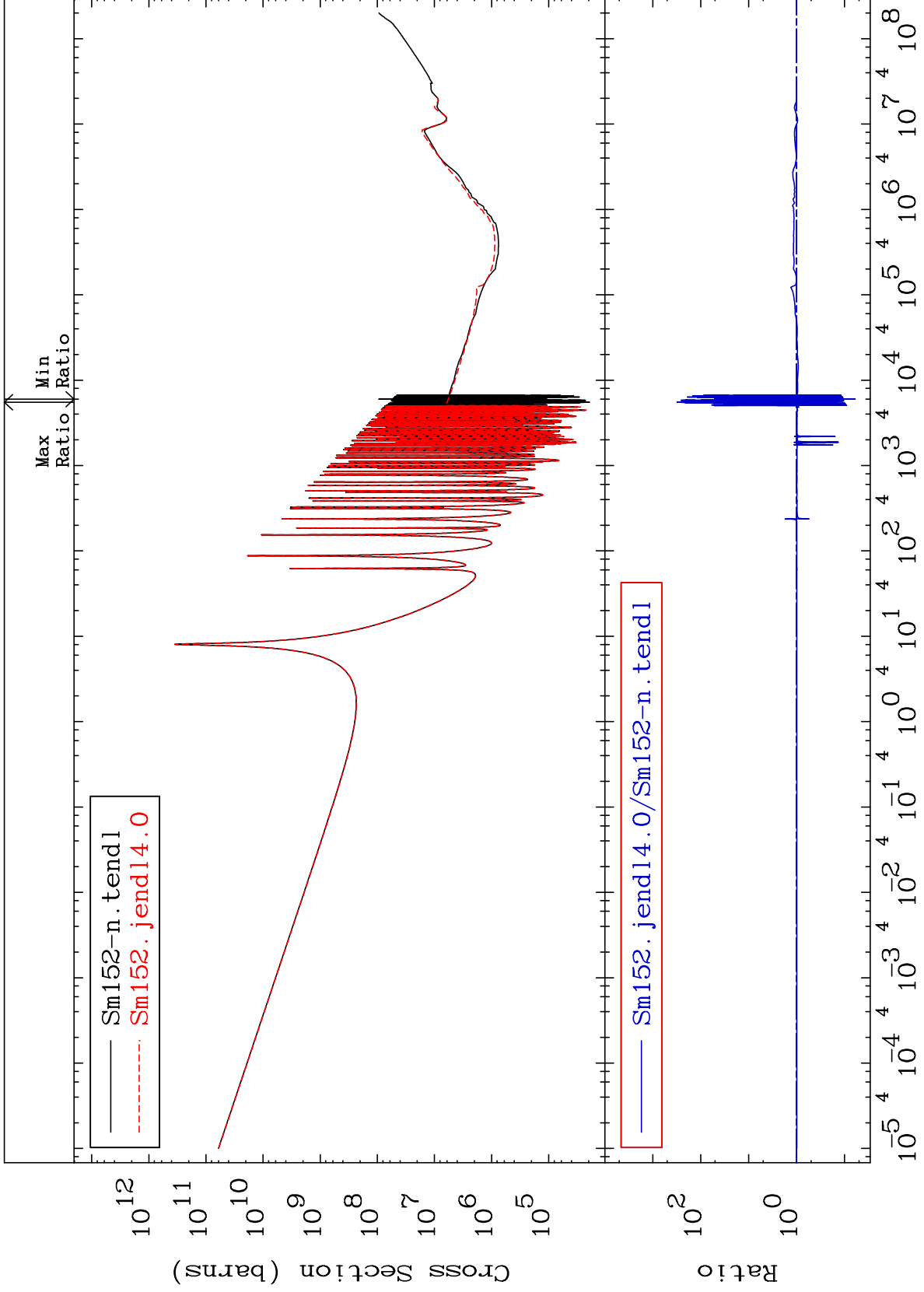
62-Sm-152
-93.77 To 15.12 %



MAT 6249

Kerma total (eV-barns)
Cross Section

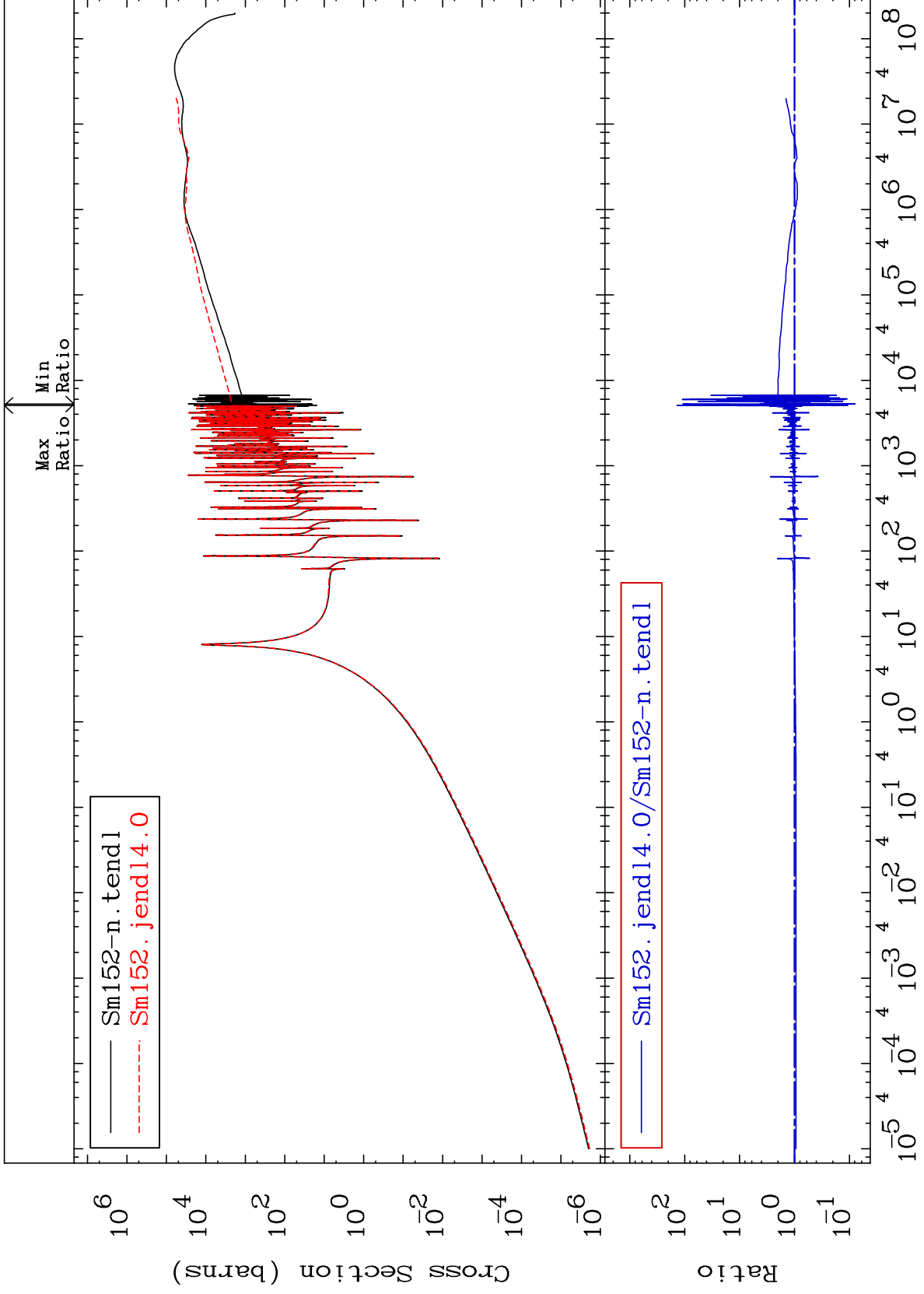
62-Sm-152
-93.96 To 9999. %

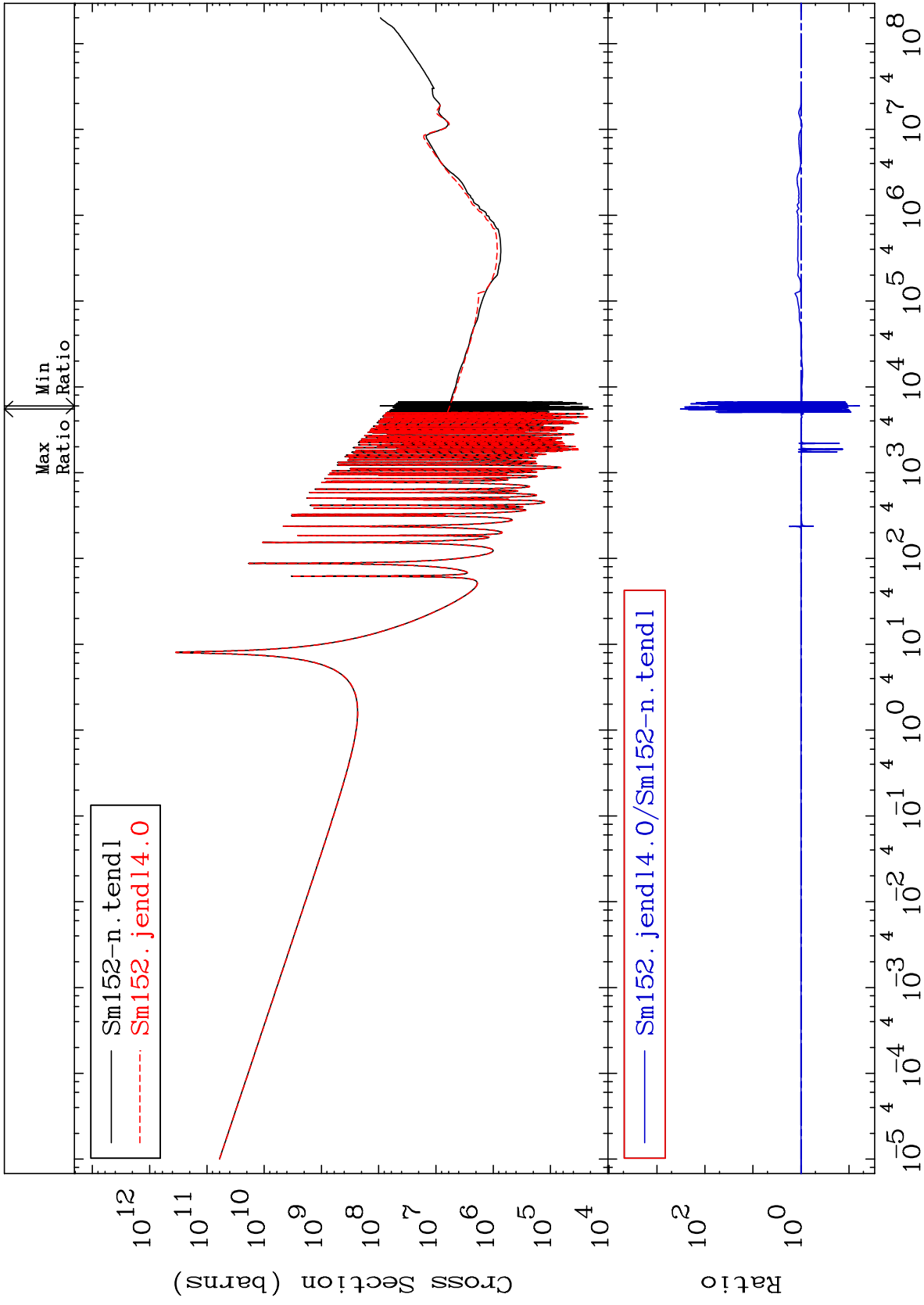


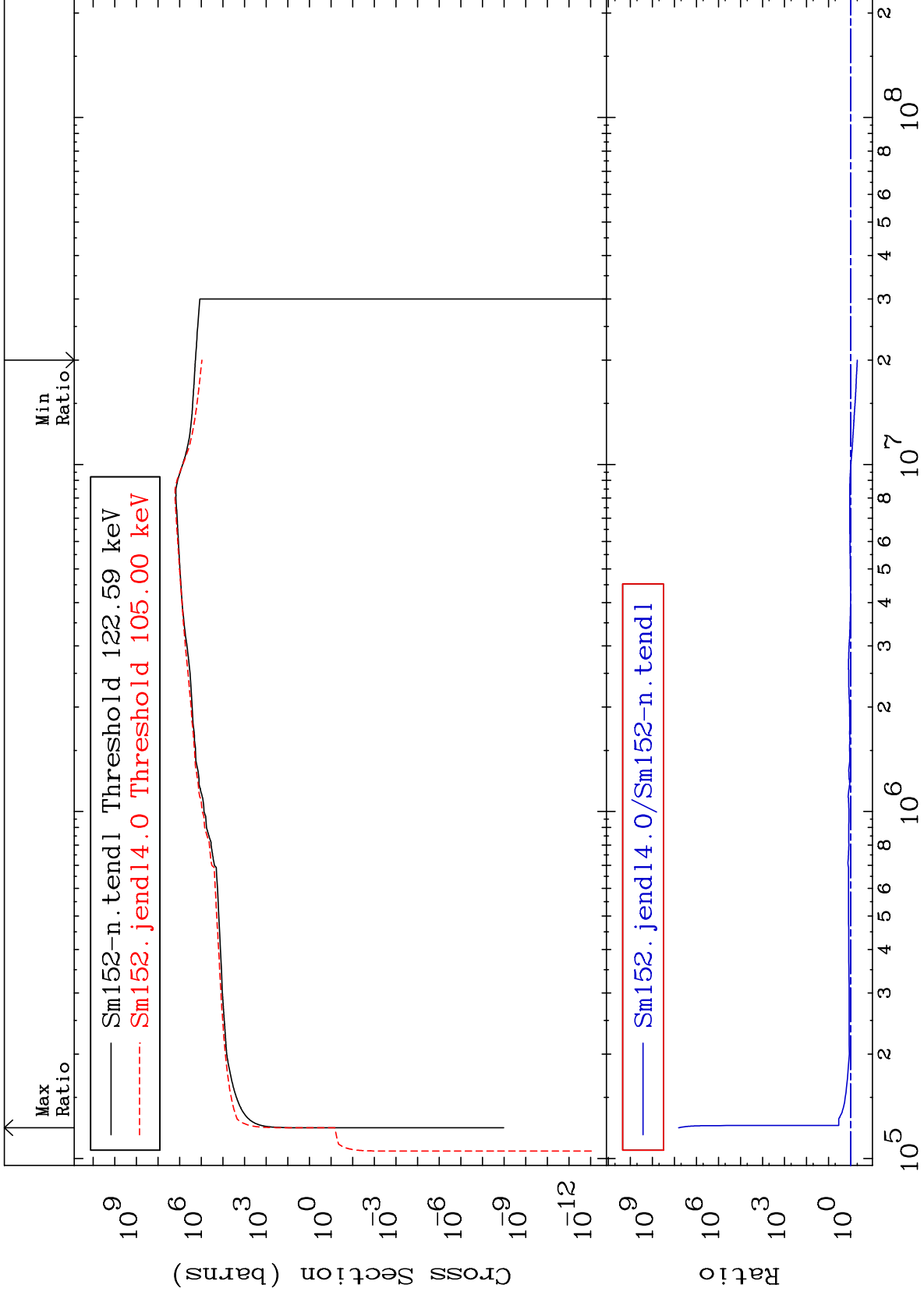
MAT 6249

Kerma elastic
Cross Section

62-Sm-152
-92.11 To 9999. %



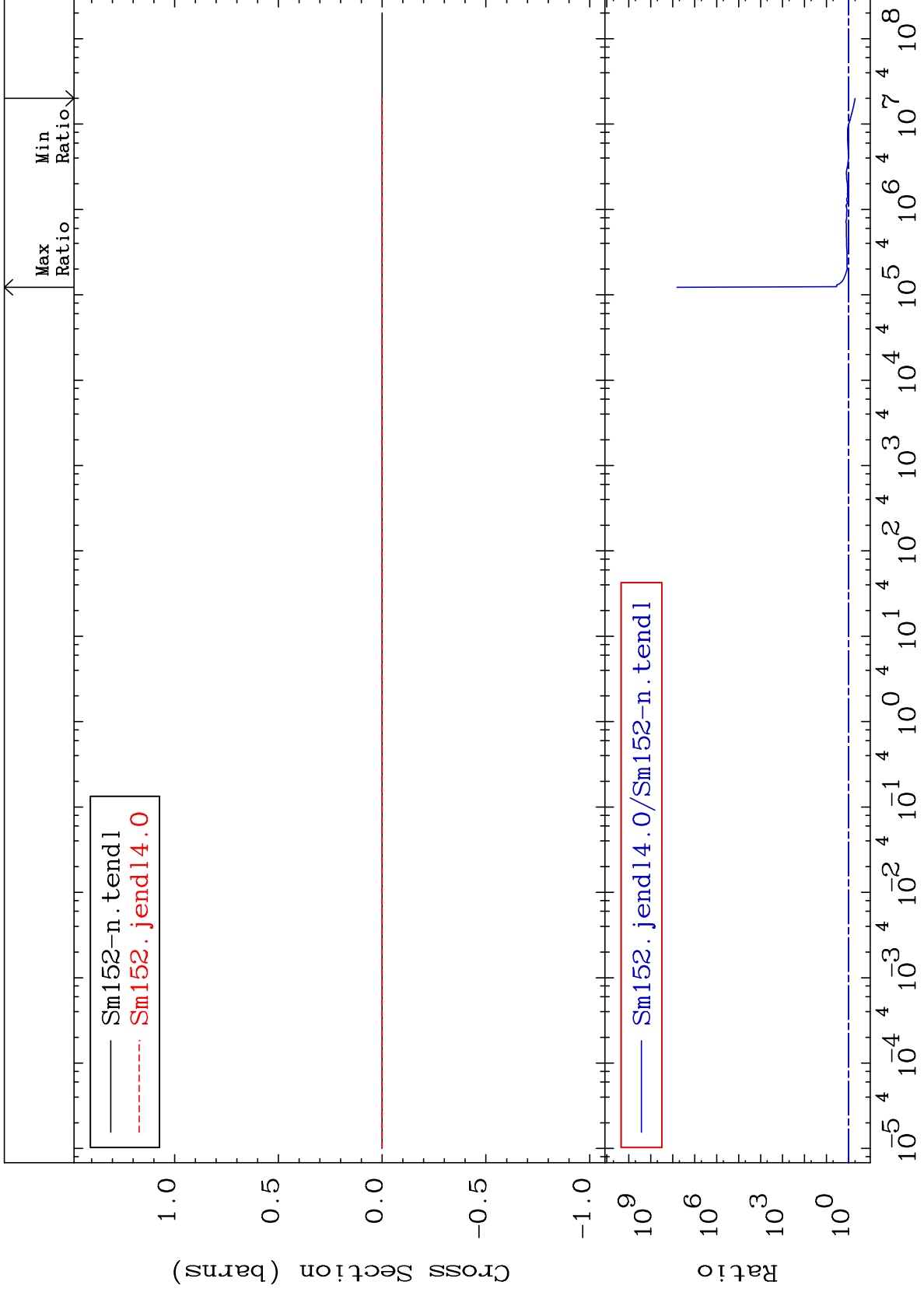




MAT 6249

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

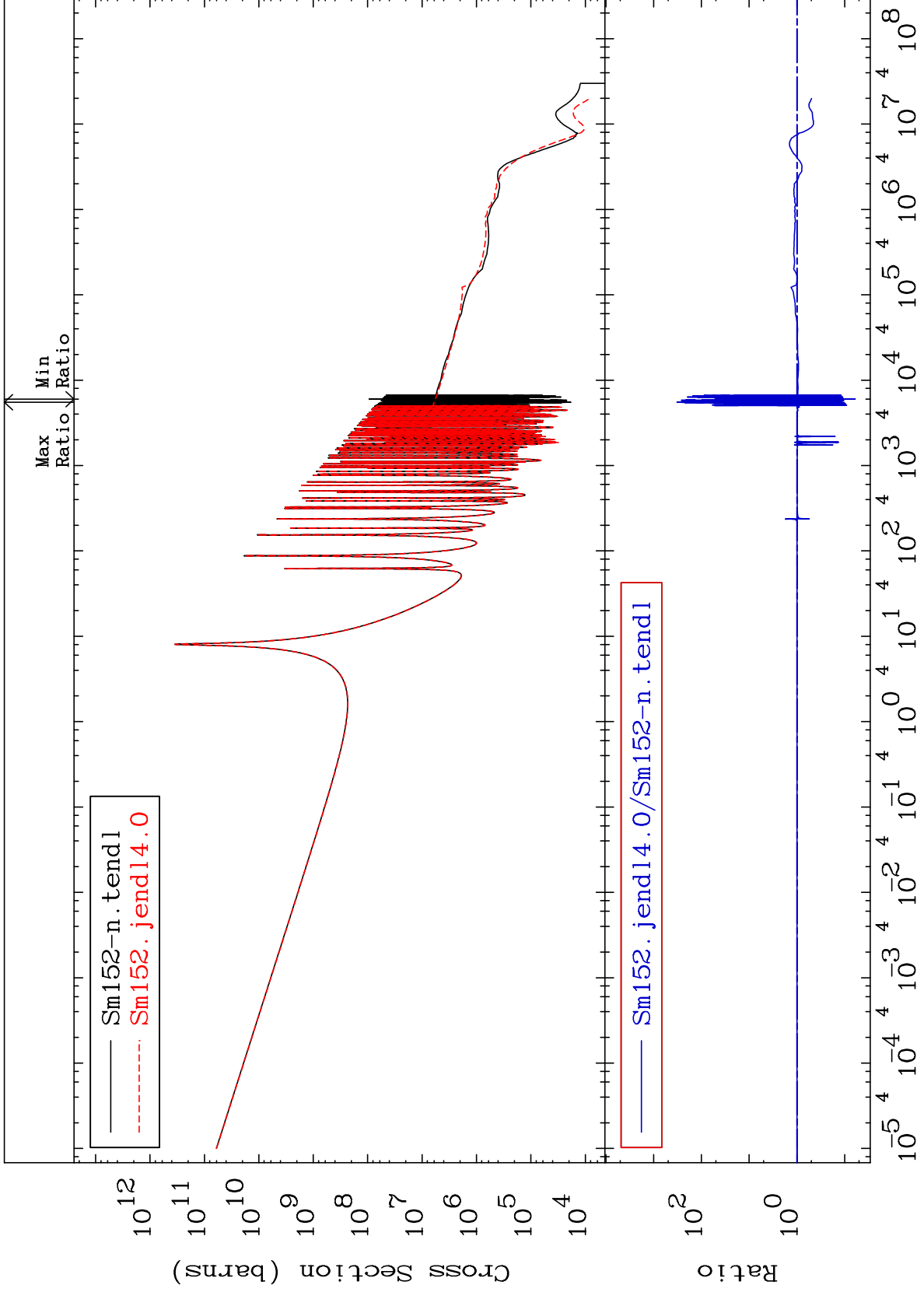
62-Sm-152
-49.82 To 9999. %



MAT 6249

Kerma capture (mt102)
Cross Section

62-Sm-152
-93.96 To 9999. %



58

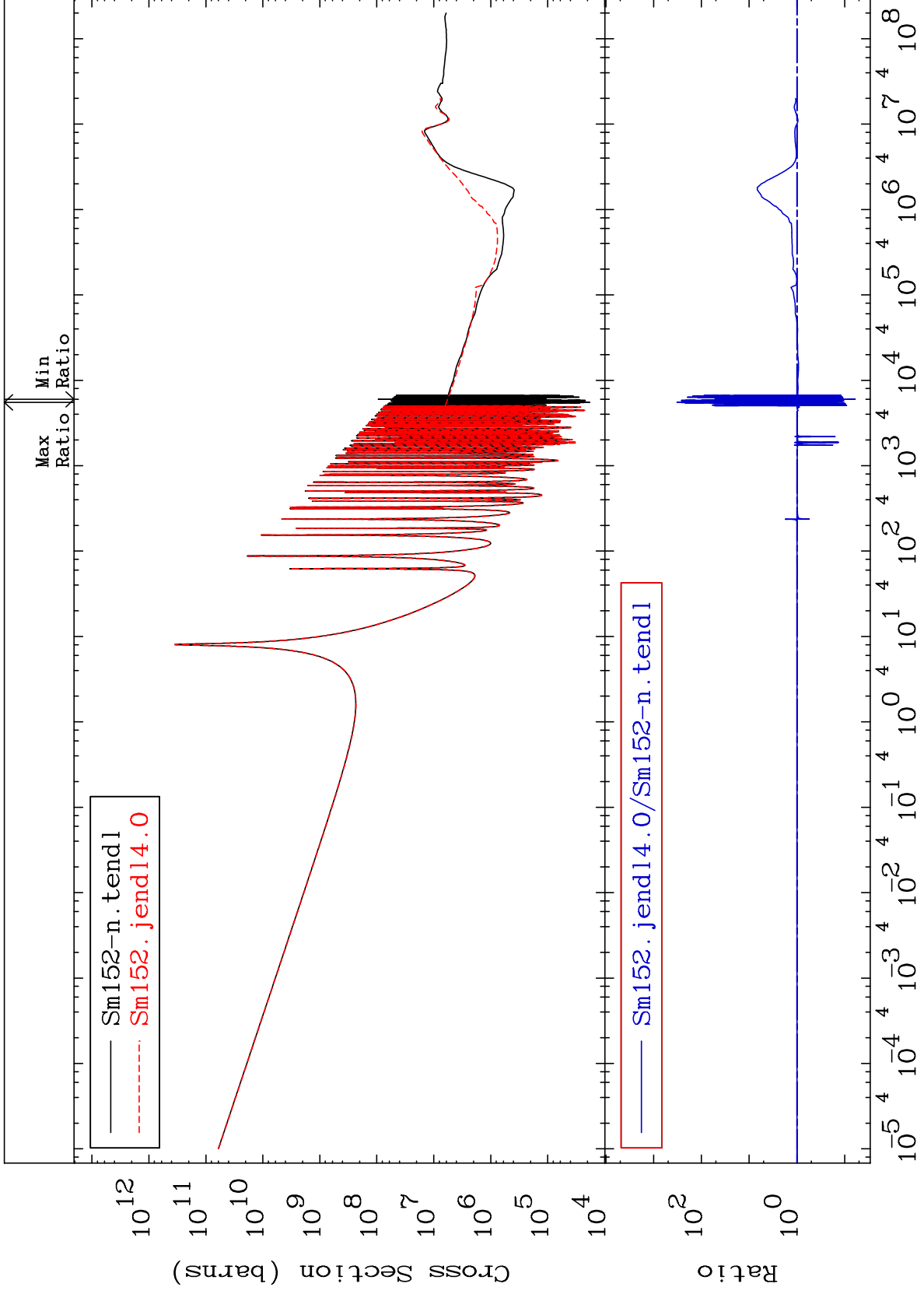
Incident Energy (eV)

62-Sm-152

MAT 6249

Total photon (eV-barns)
Cross Section

62-Sm-152
-93.96 To 9999. %



59

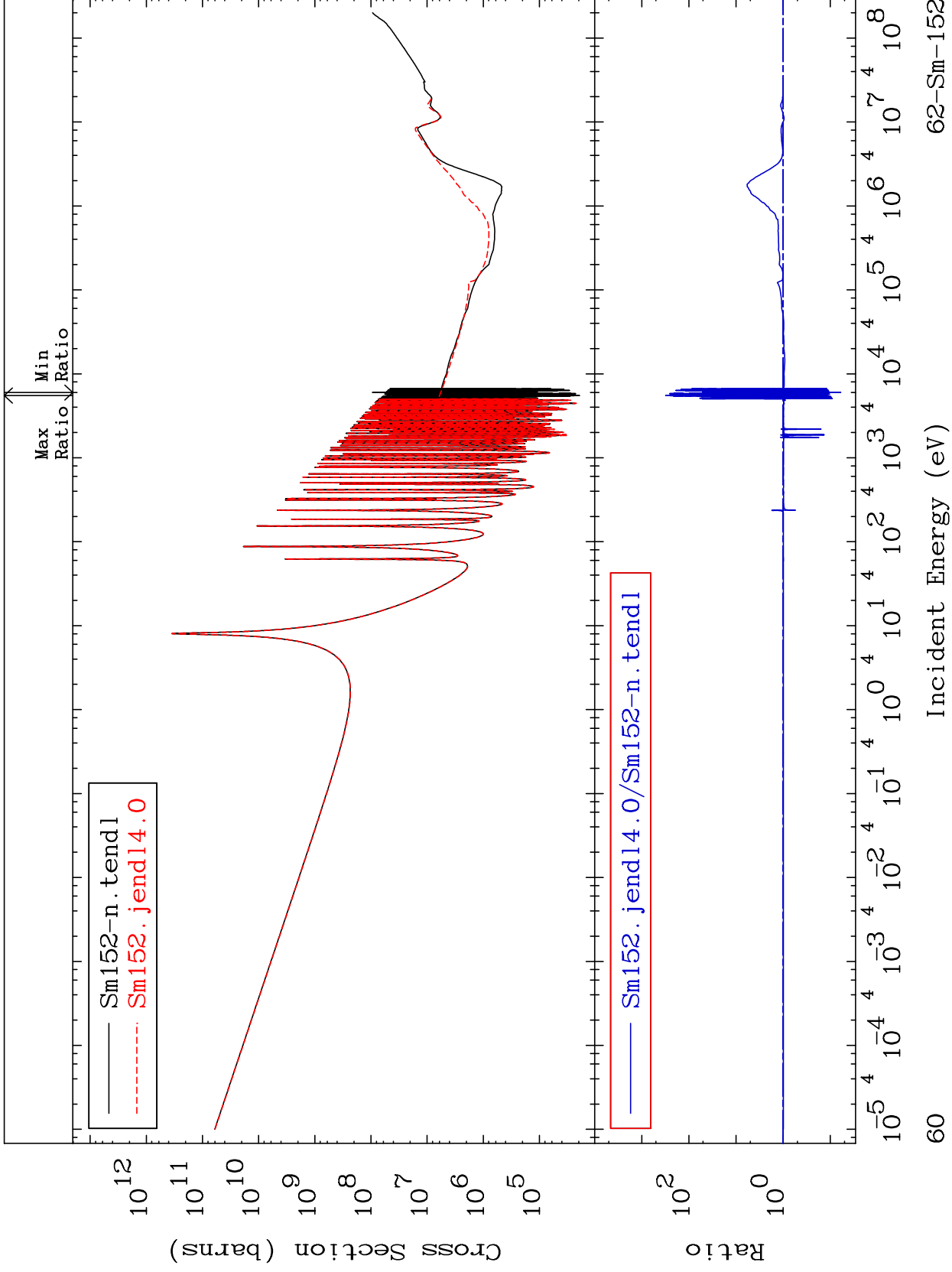
Incident Energy (eV)

62-Sm-152

MAT 6249

Total kinematic kerma (high limit)
Cross Section

62-Sm-152
-93.96 To 9999. %



60

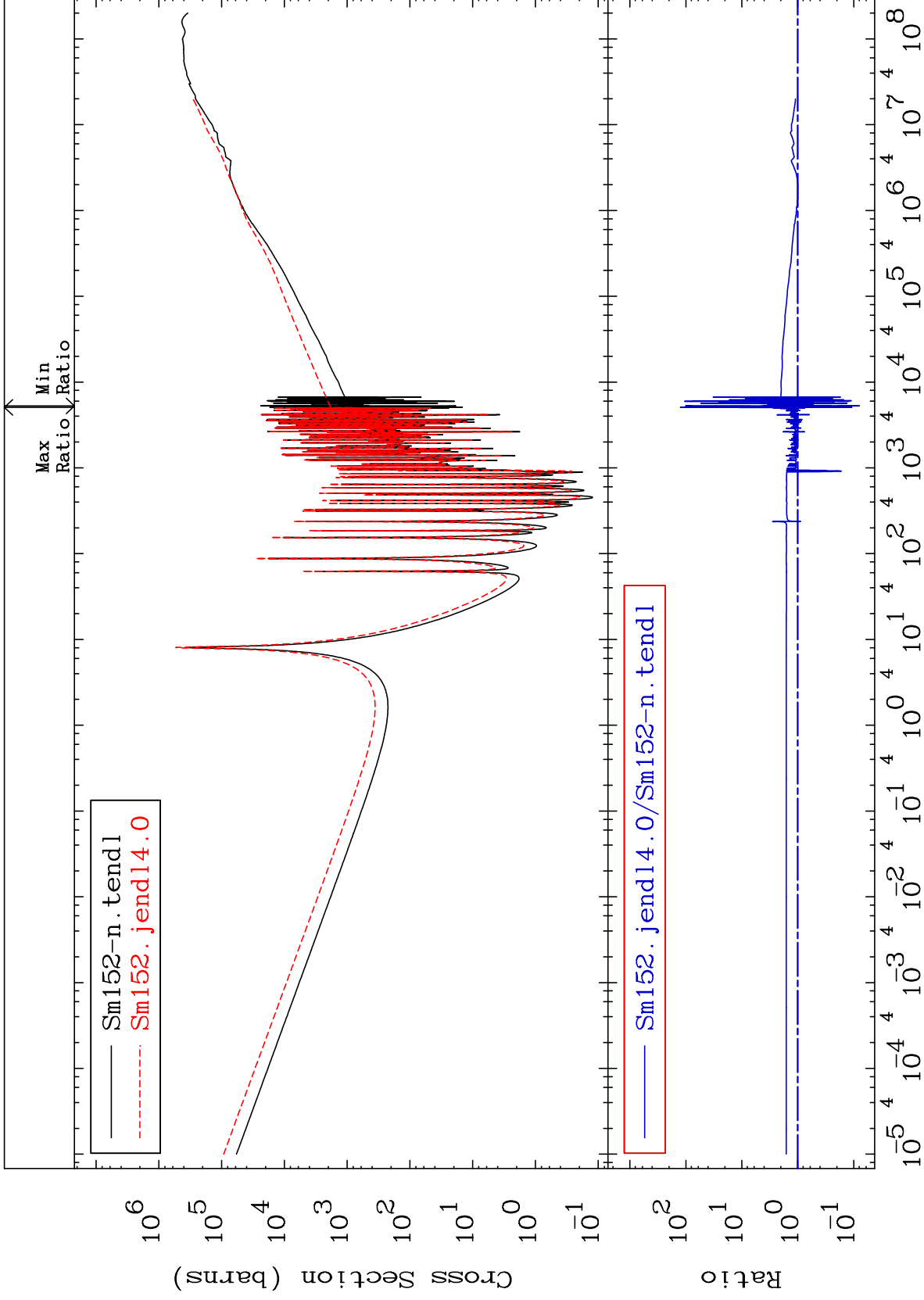
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa total (eV-barns)
Cross Section

62-Sm-152
-92.10 To 9999. %



61

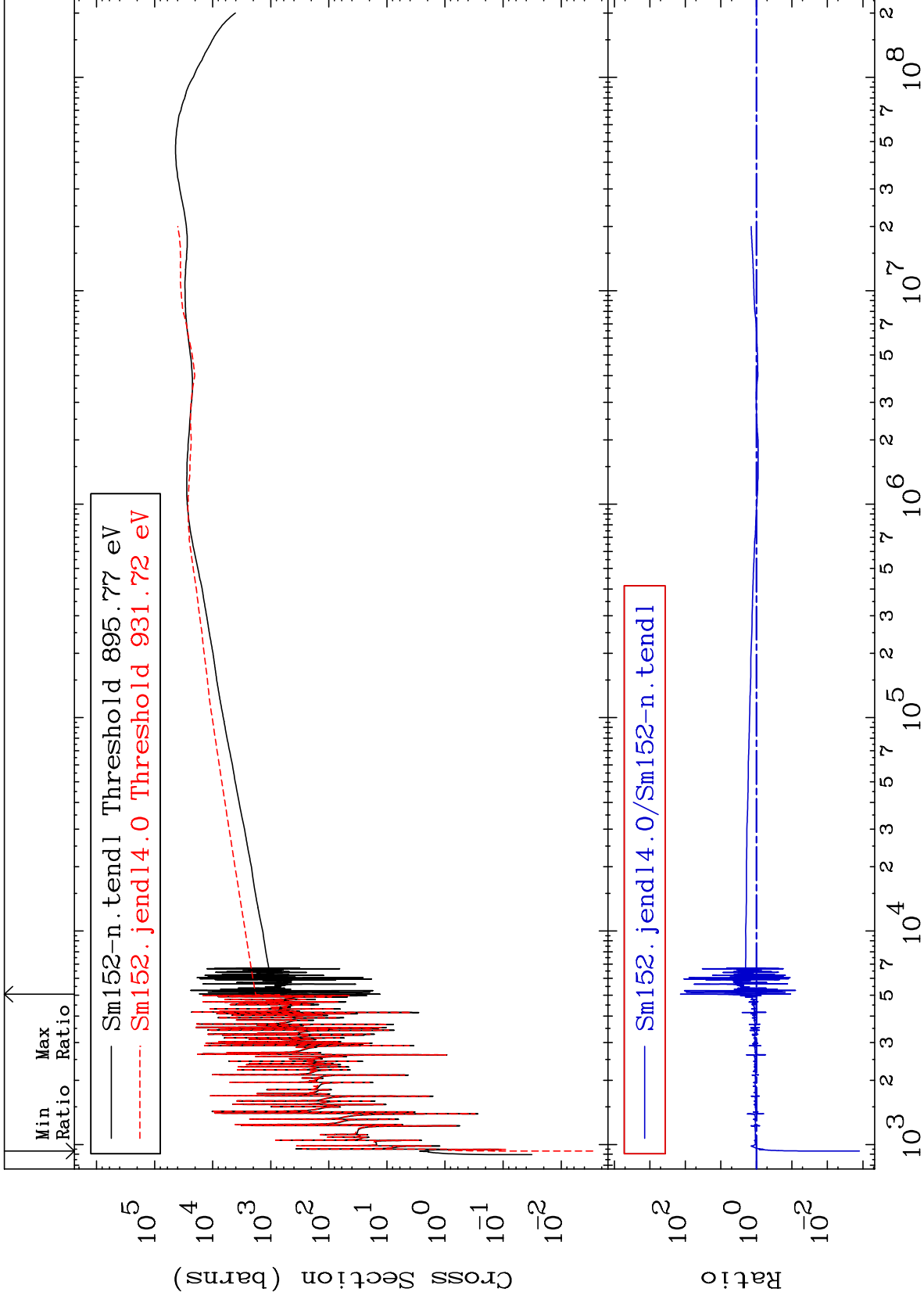
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa elastic (mt2)
Cross Section

62-Sm-152
-99.88 To 9999. %



62

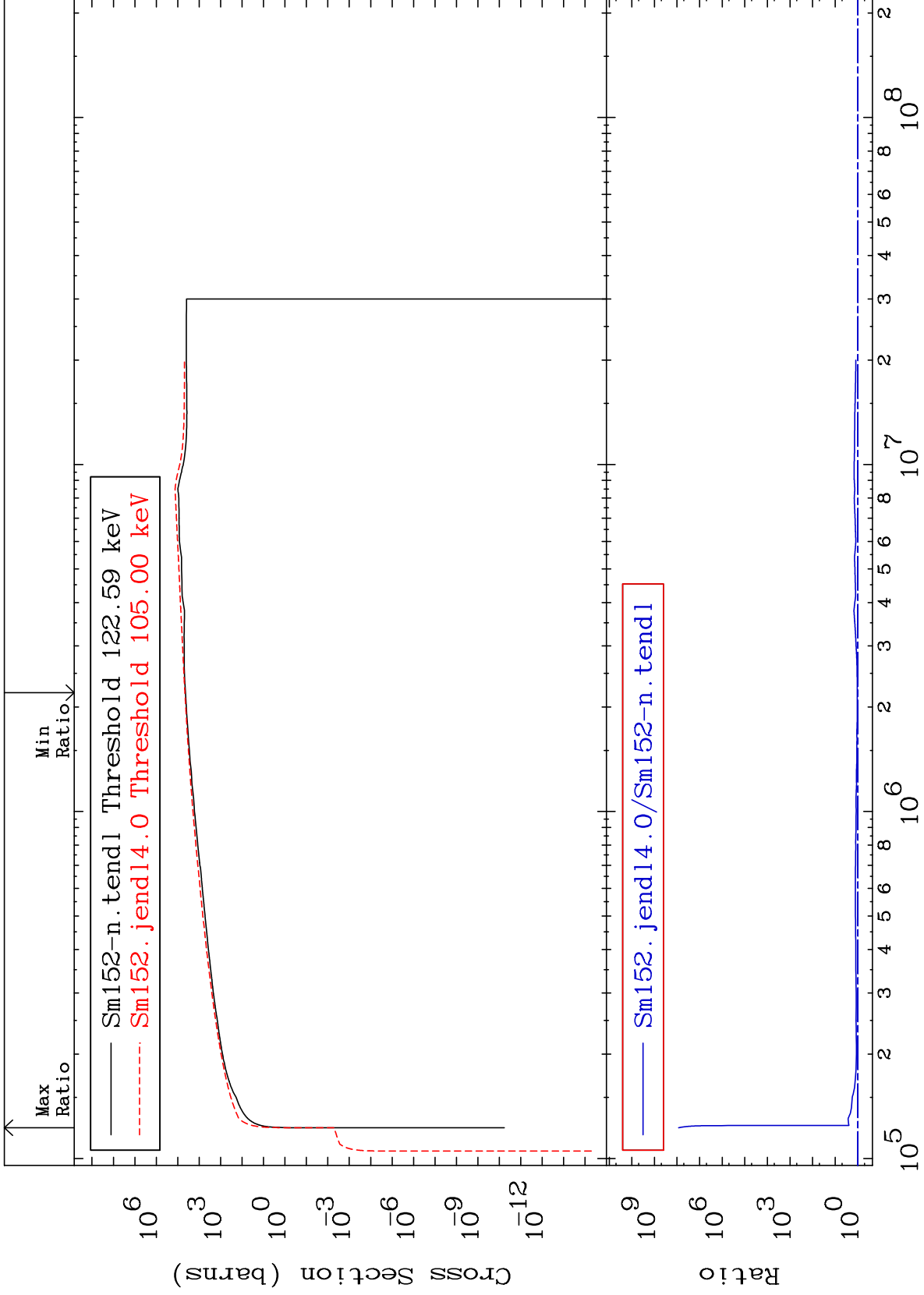
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa inelastic (mt51-91)
Cross Section

62-Sm-152
To 9999. %
5.469



63

Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-152
-90.29 To 9999. %

