

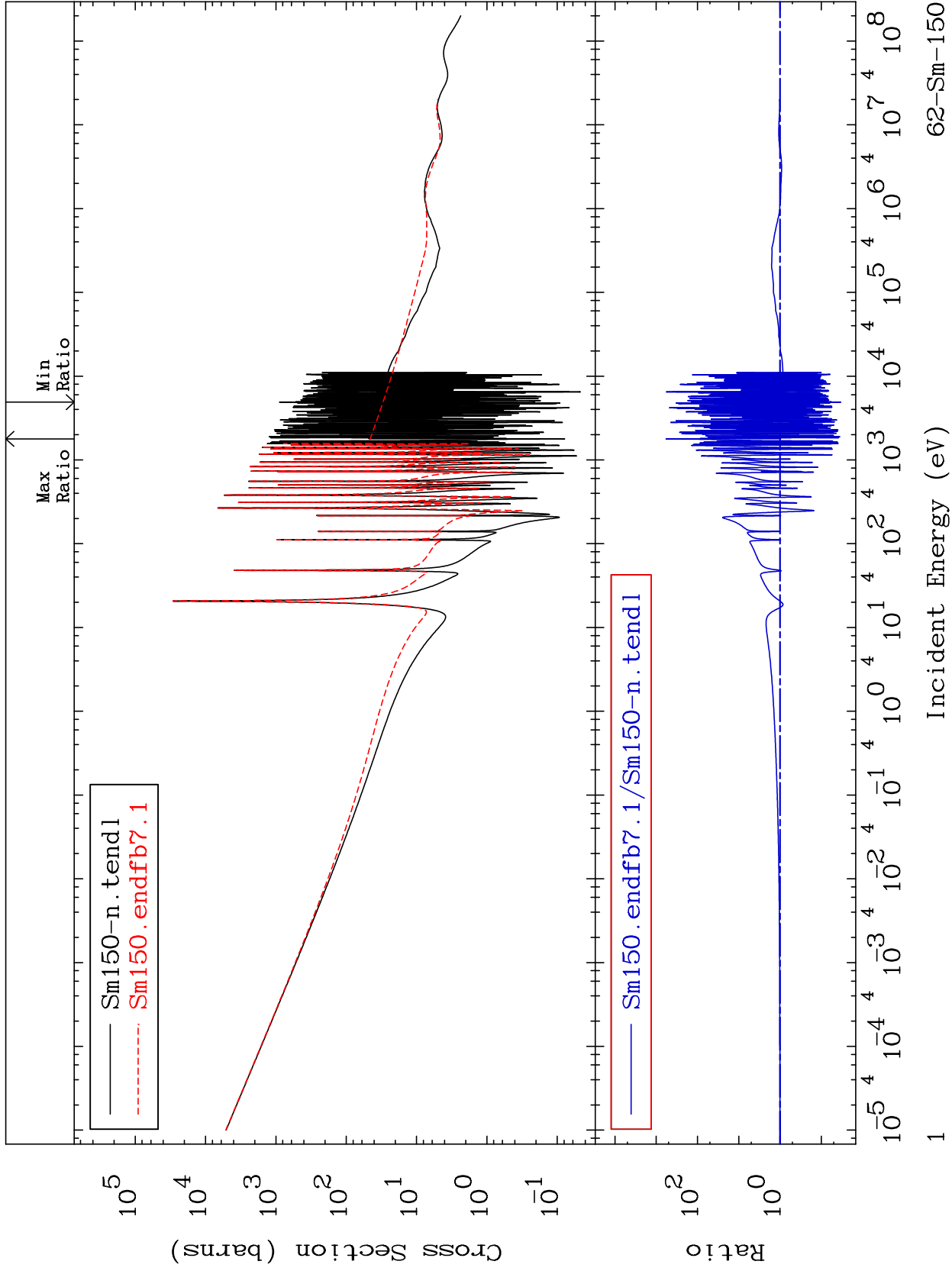
MAT 6243

Total

62-Sm-150

Cross Section

-96.64 To 9999. %

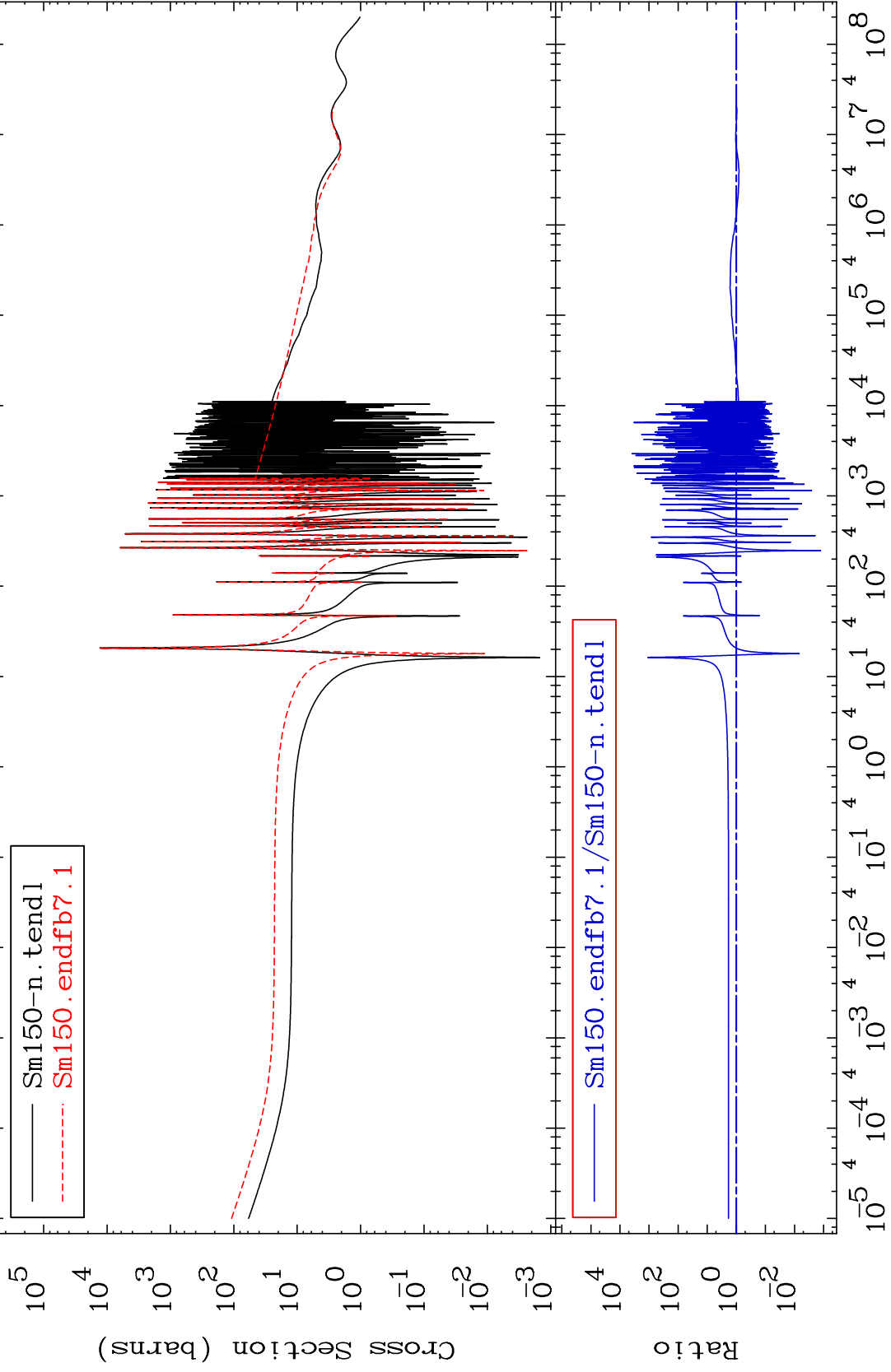


62-Sm-150

MAT 6243

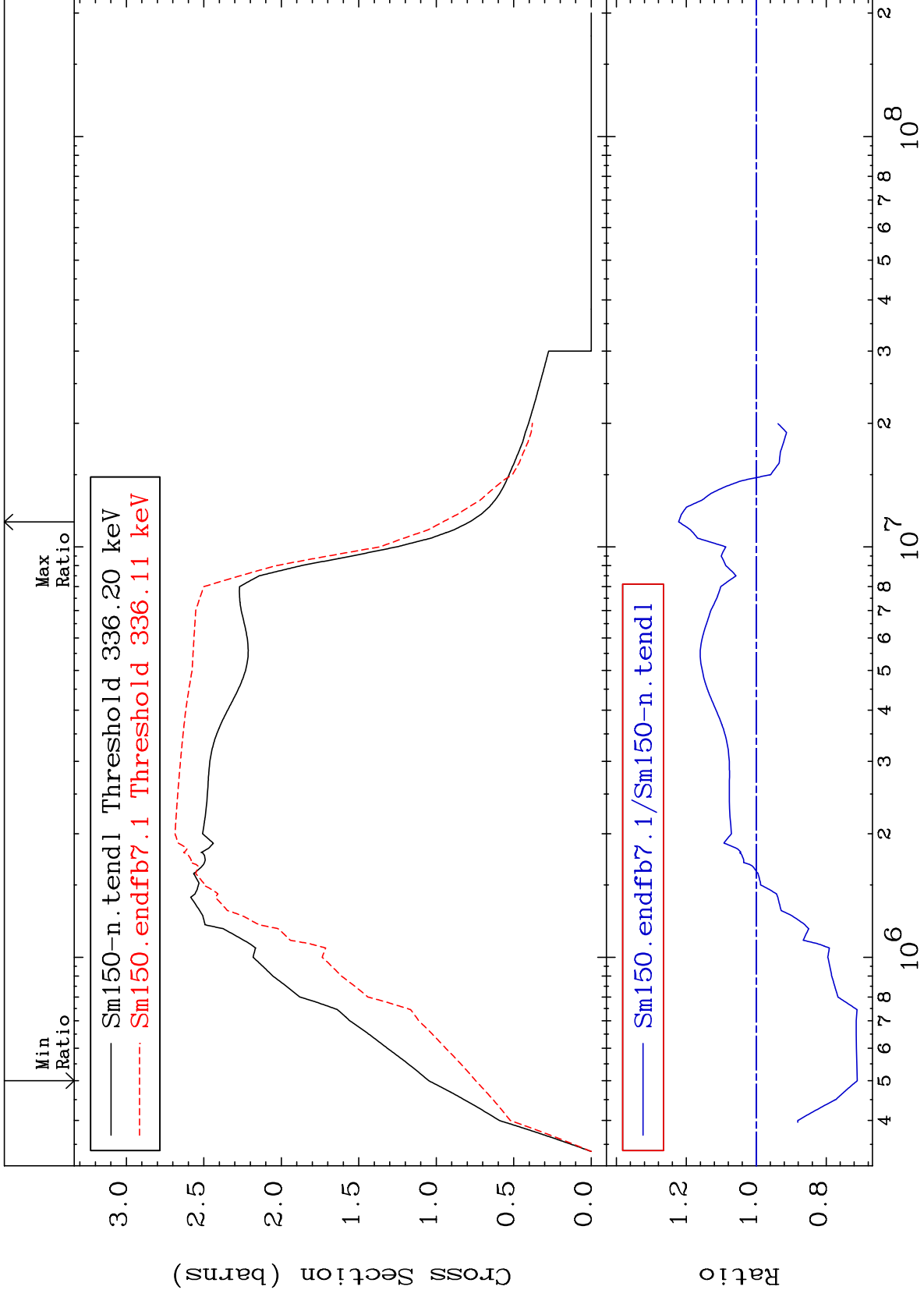
Elastic
Cross Section

62-Sm-150
-99.87 To 9999. %



MAT 6243

Inelastic Cross Section
62-Sm-150
-28.87 To 22.21 %



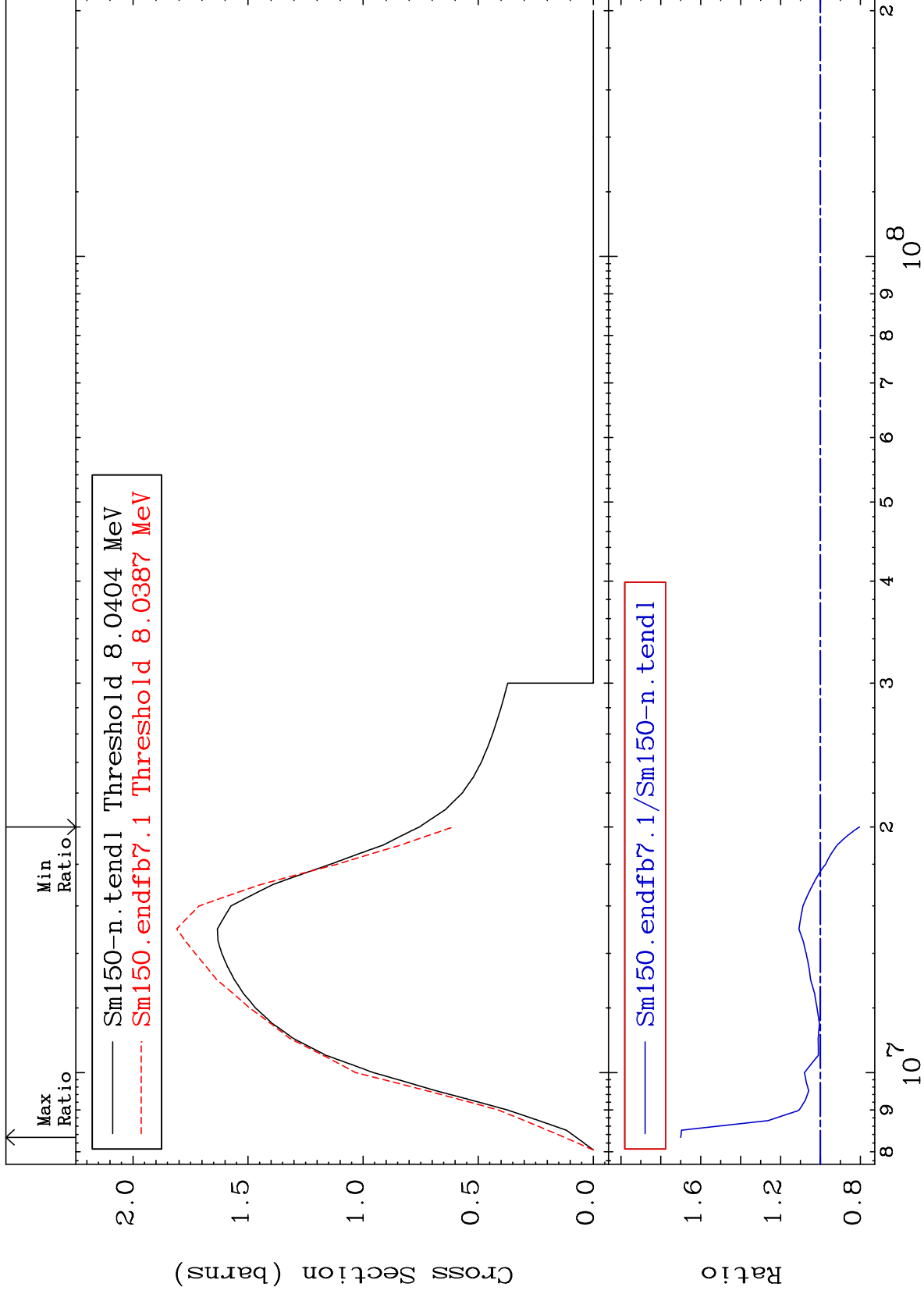
MAT 6243

(n,2n)

62-Sm-150

Cross Section

-19.58 To 69.99 %



4

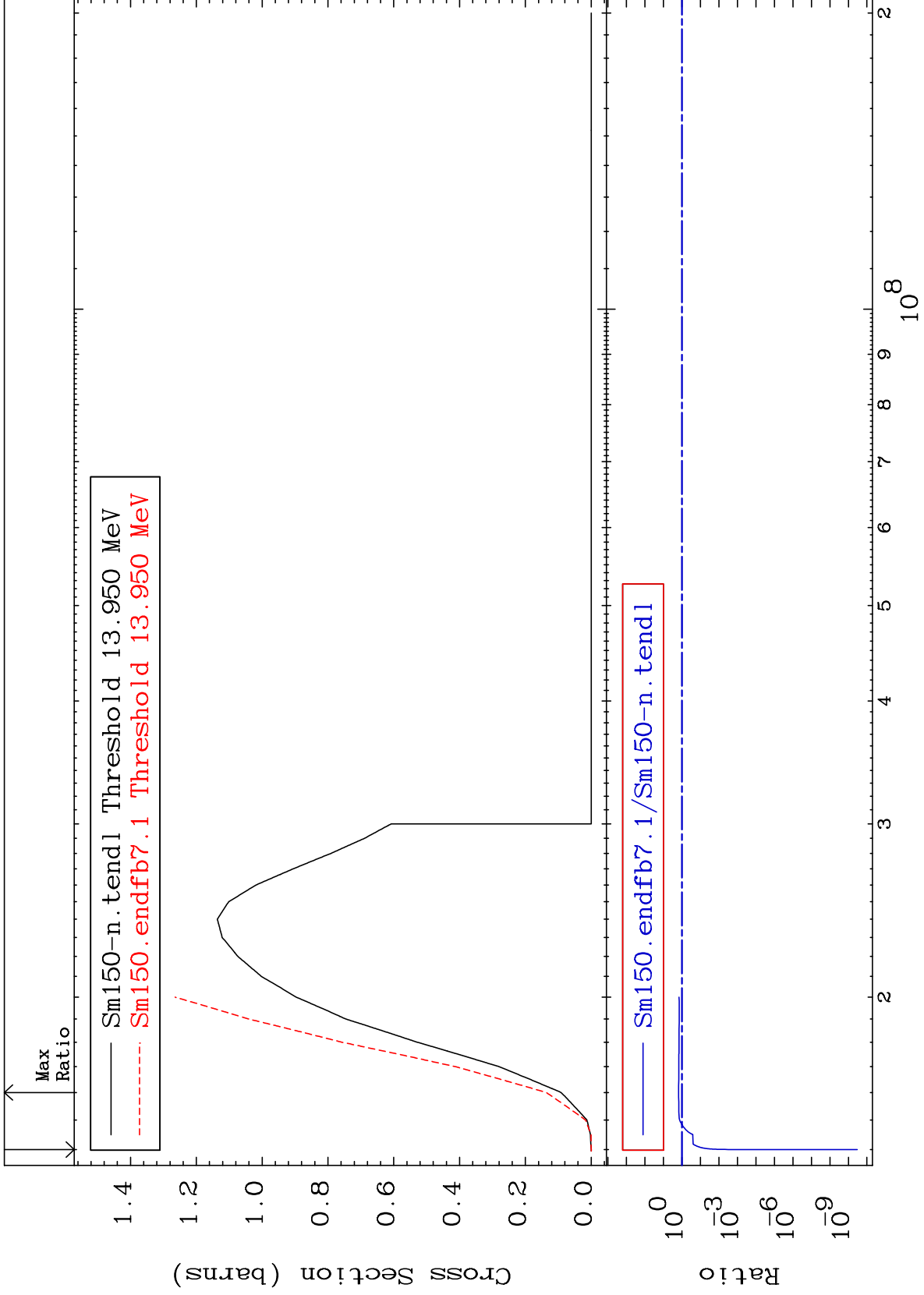
Incident Energy (eV)

62-Sm-150

MAT 6243

(n,3n)
Cross Section

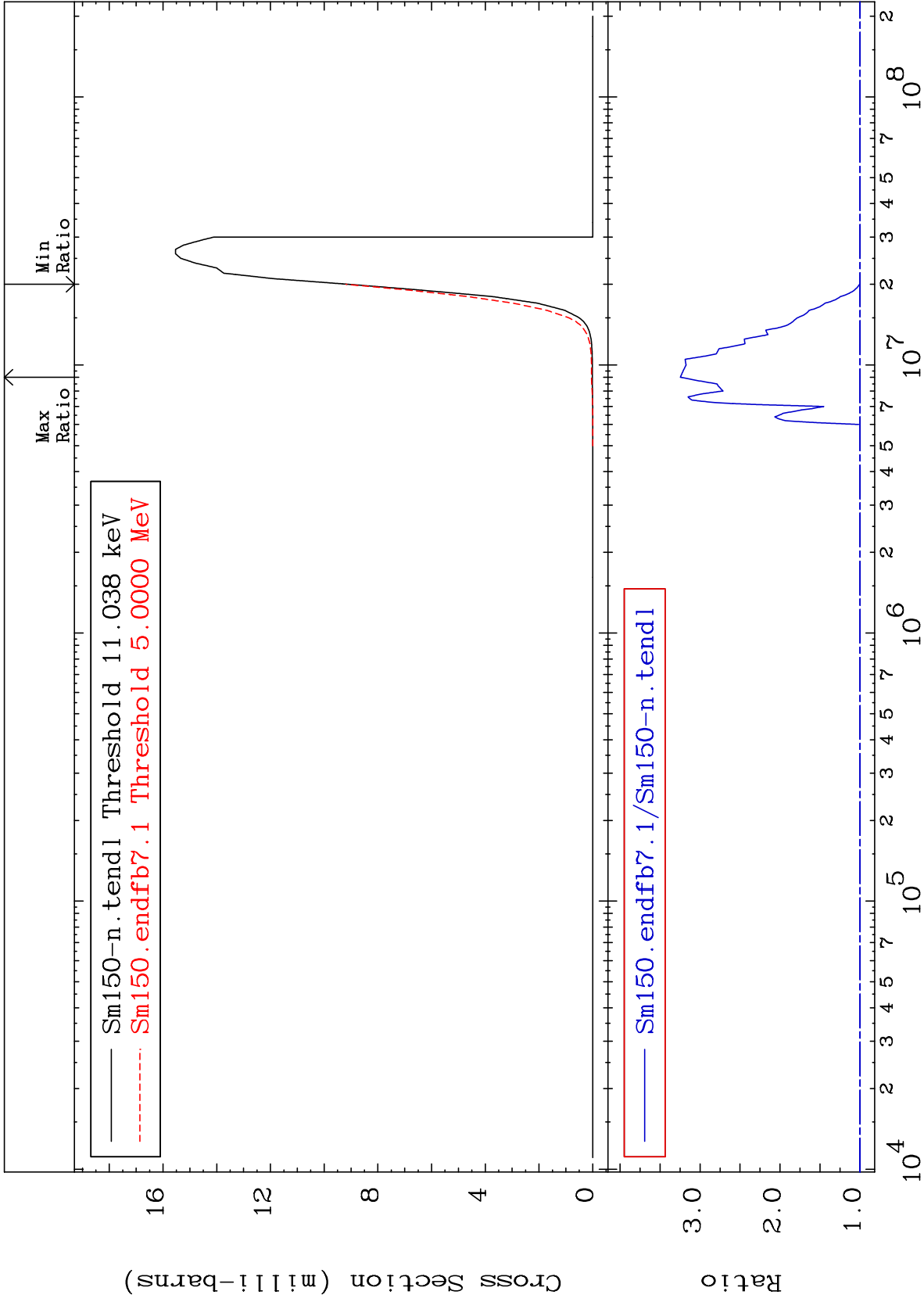
62-Sm-150
-100.0 To 49.48 %



MAT 6243

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

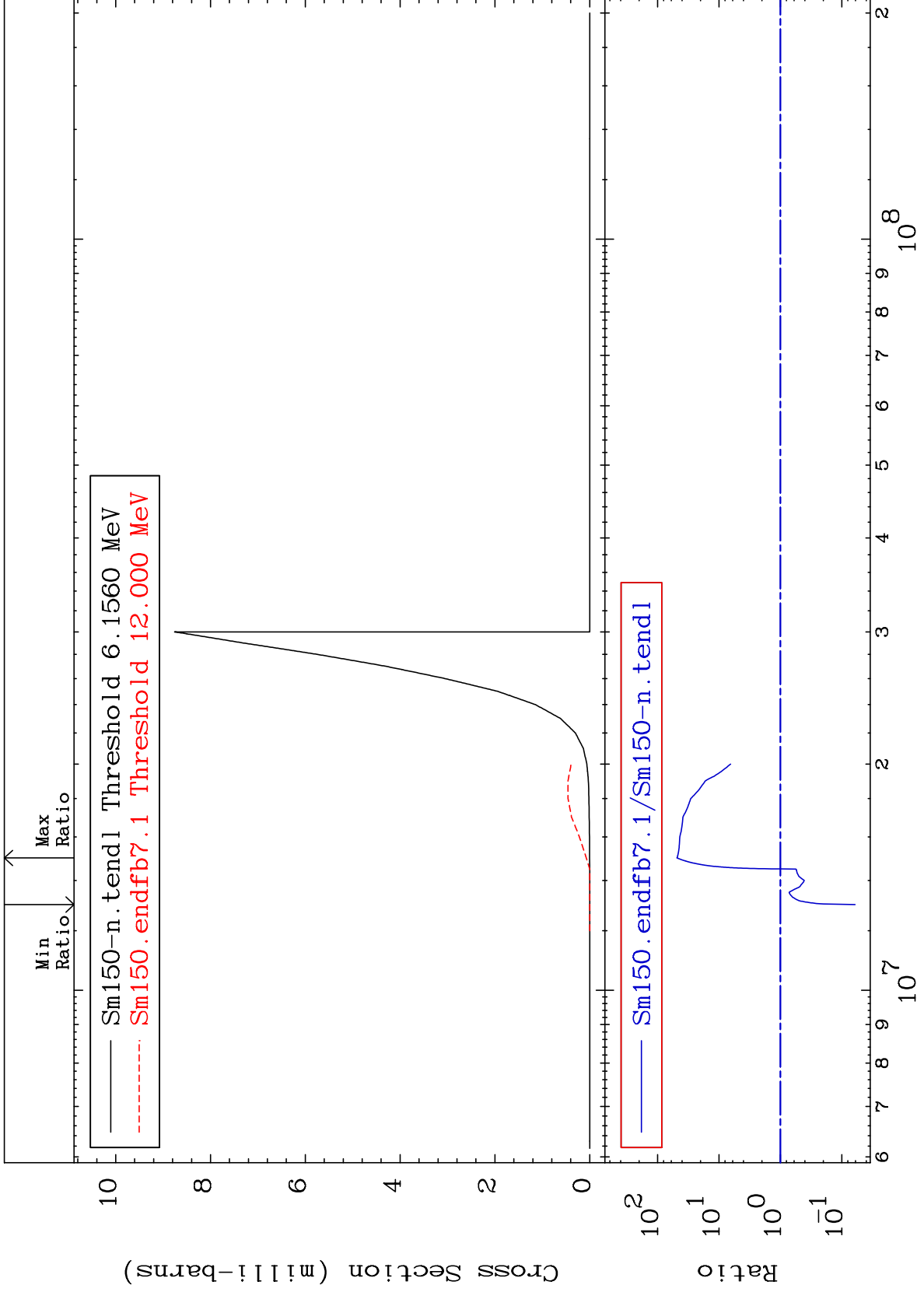
62-Sm-150
To 224.6 %



MAT 6243

(n,2n) α
Cross Section

62-Sm-150
-93.91 To 4750. %



7

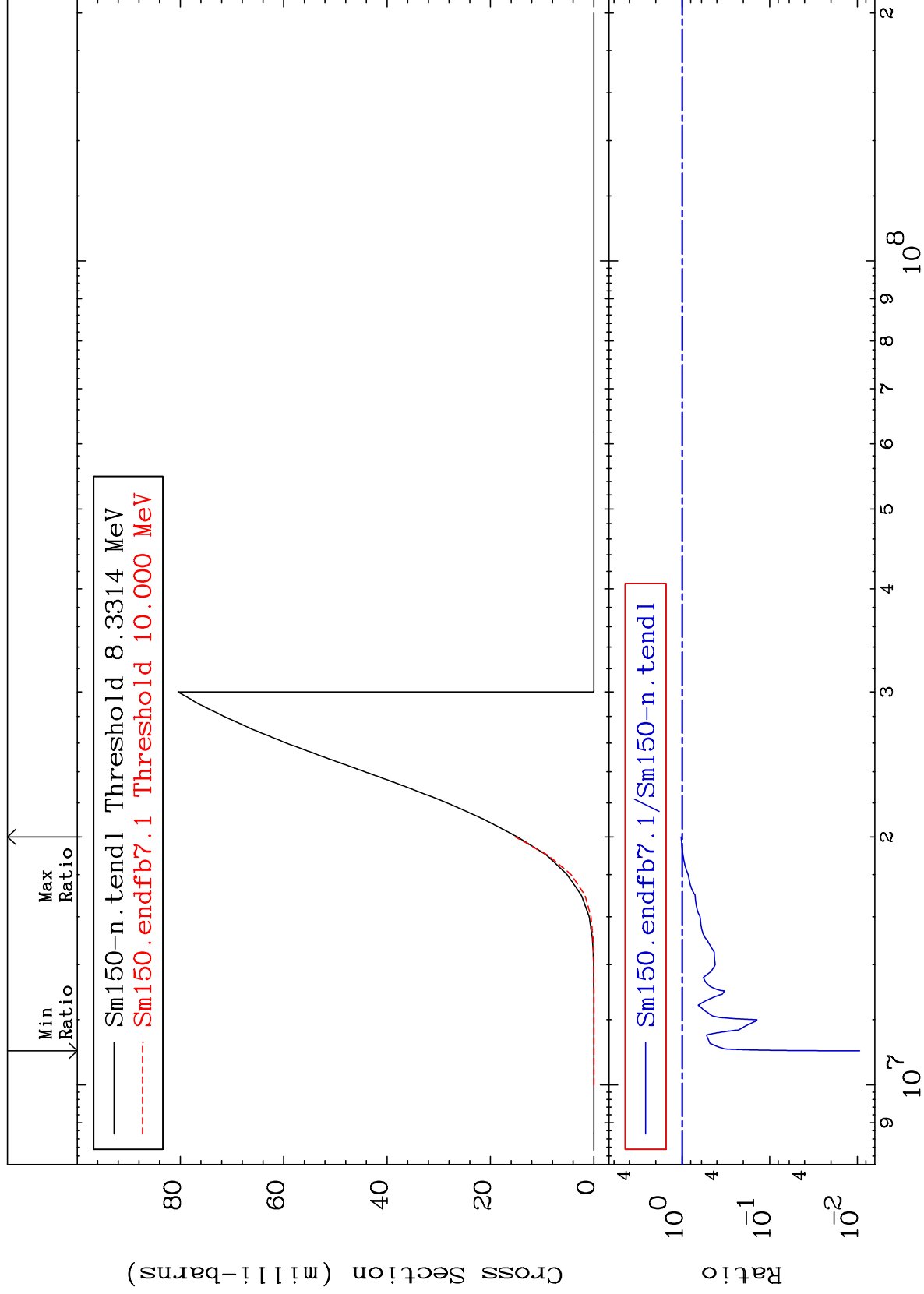
Incident Energy (eV)

62-Sm-150

MAT 6243

(n, n') p
Cross Section

62-Sm-150
-99.06 To 2.498 %



8

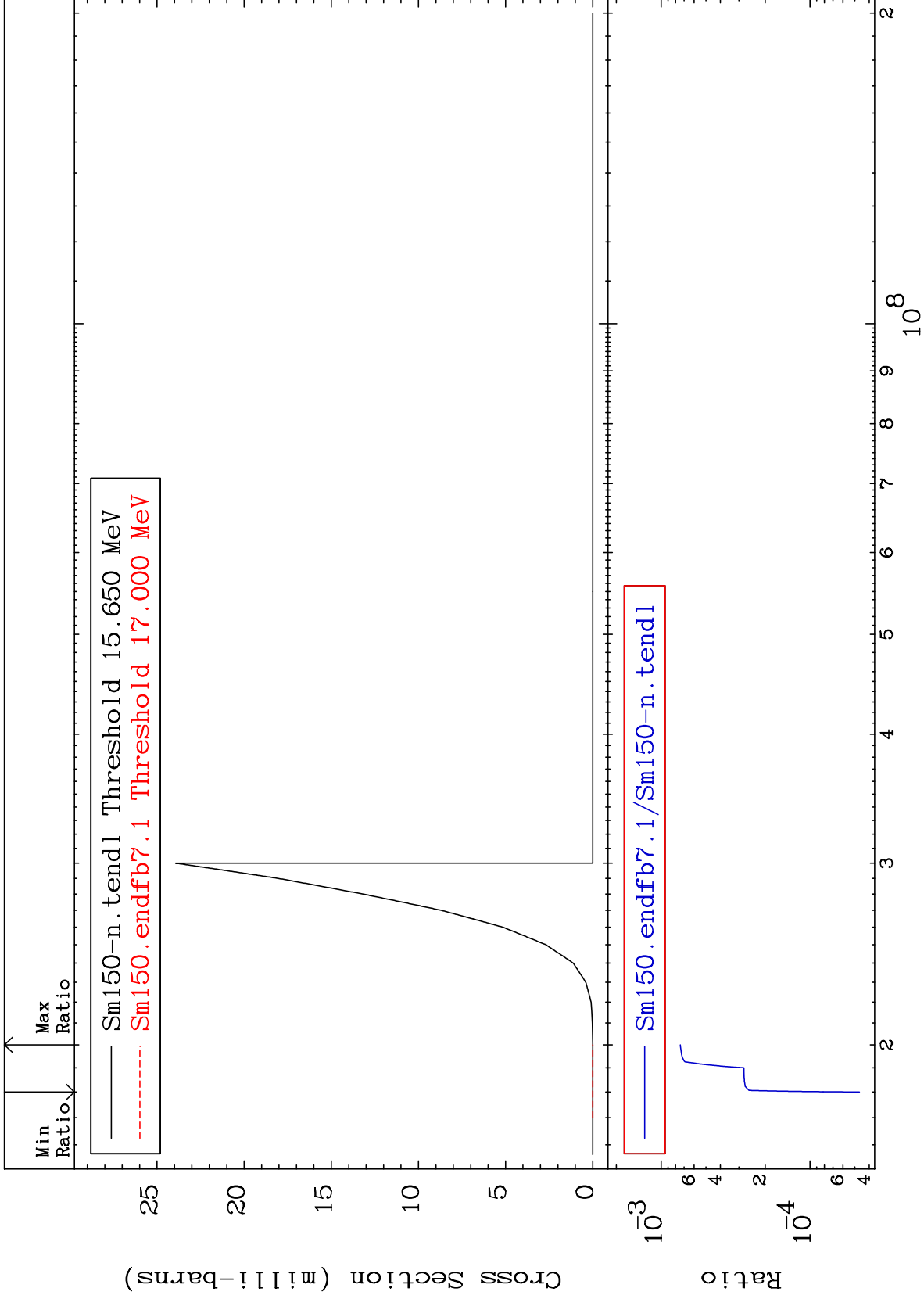
Incident Energy (eV)

62-Sm-150

MAT 6243

(n,2n) p
Cross Section

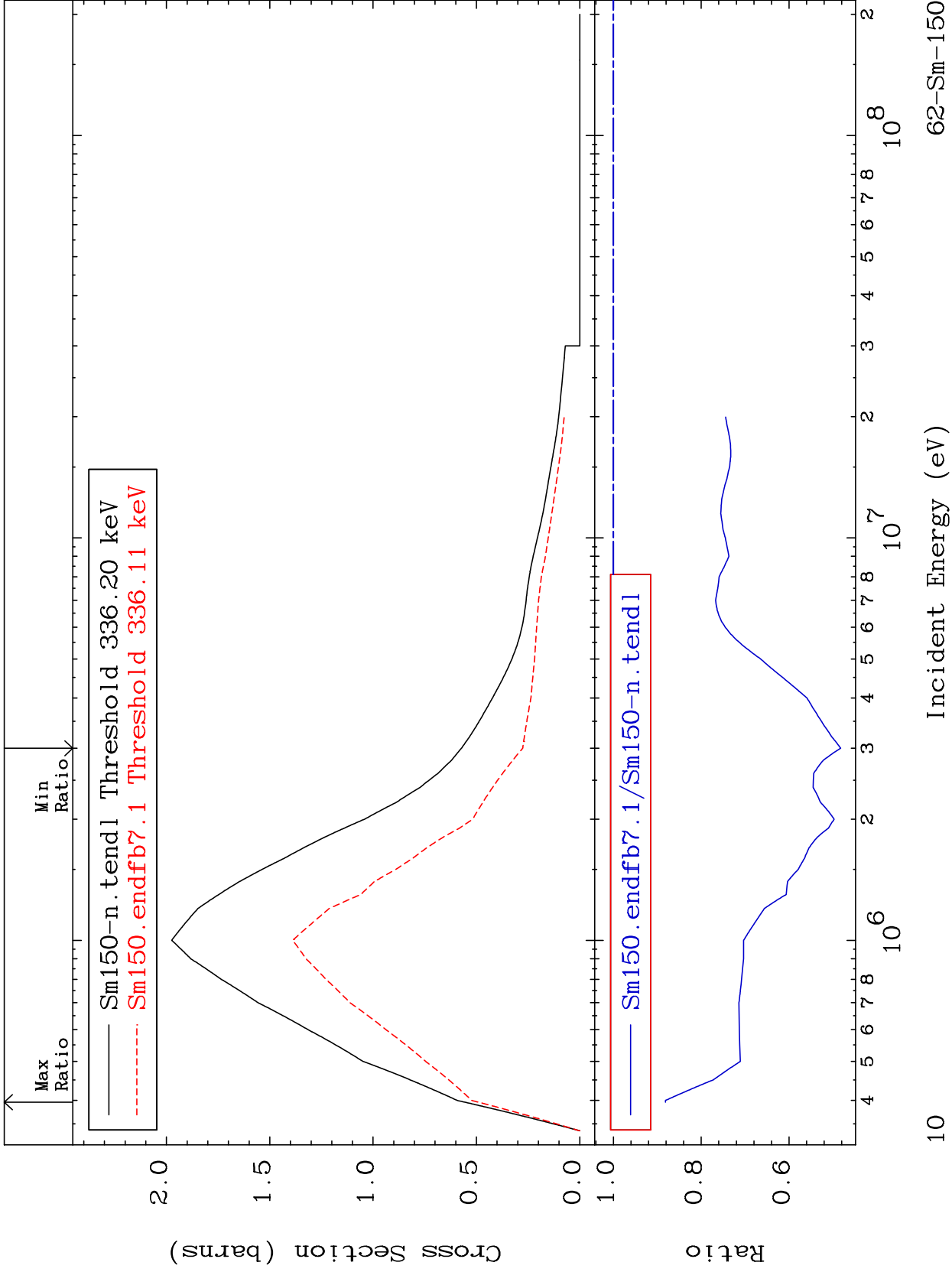
62-Sm-150
-100.0 To -99.93%



MAT 6243

334.0 keV (n,n') Level
Cross Section

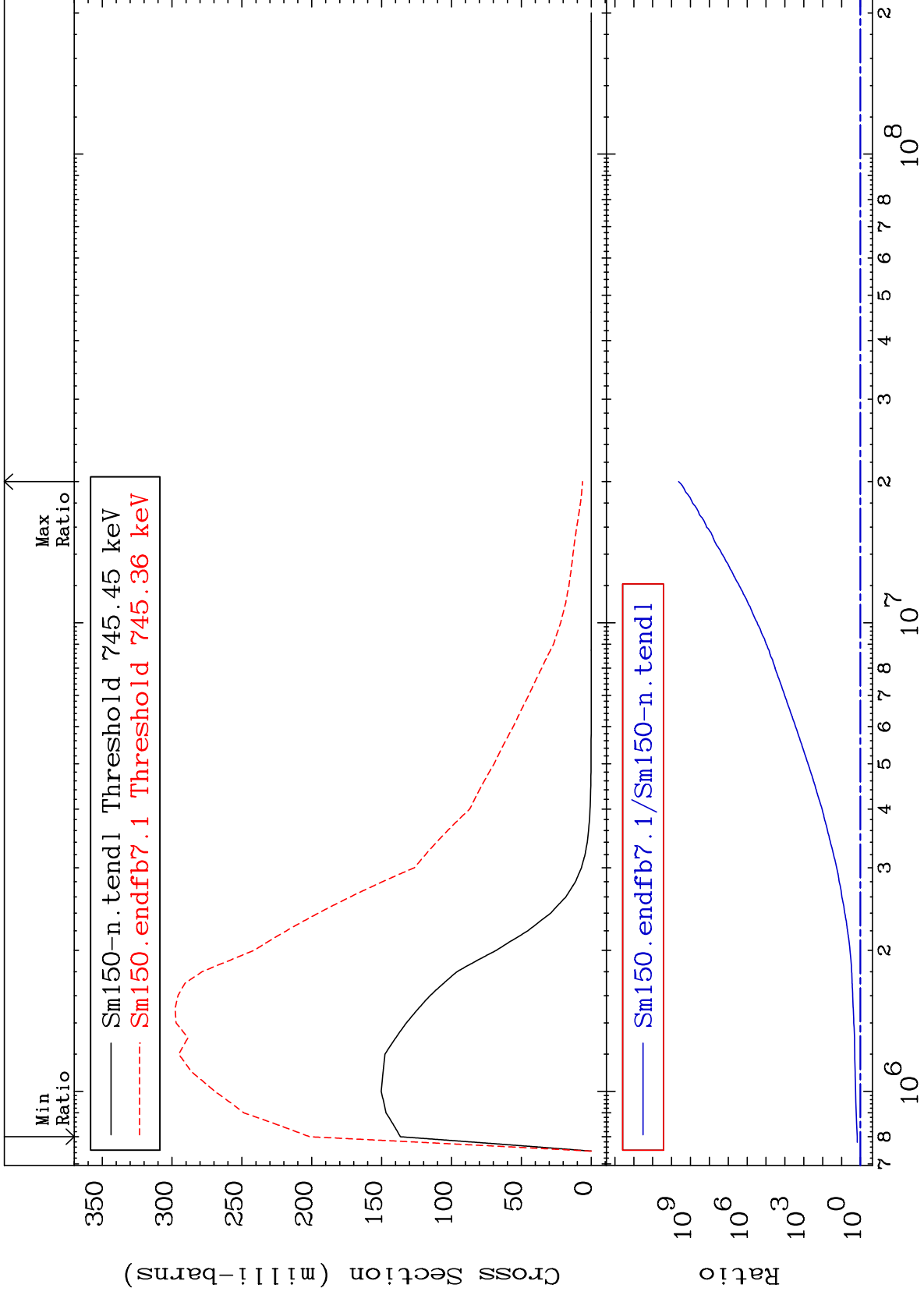
62-Sm-150
-51.75 To -11.87%



MAT 6243

740.5 keV (n,n') Level
Cross Section

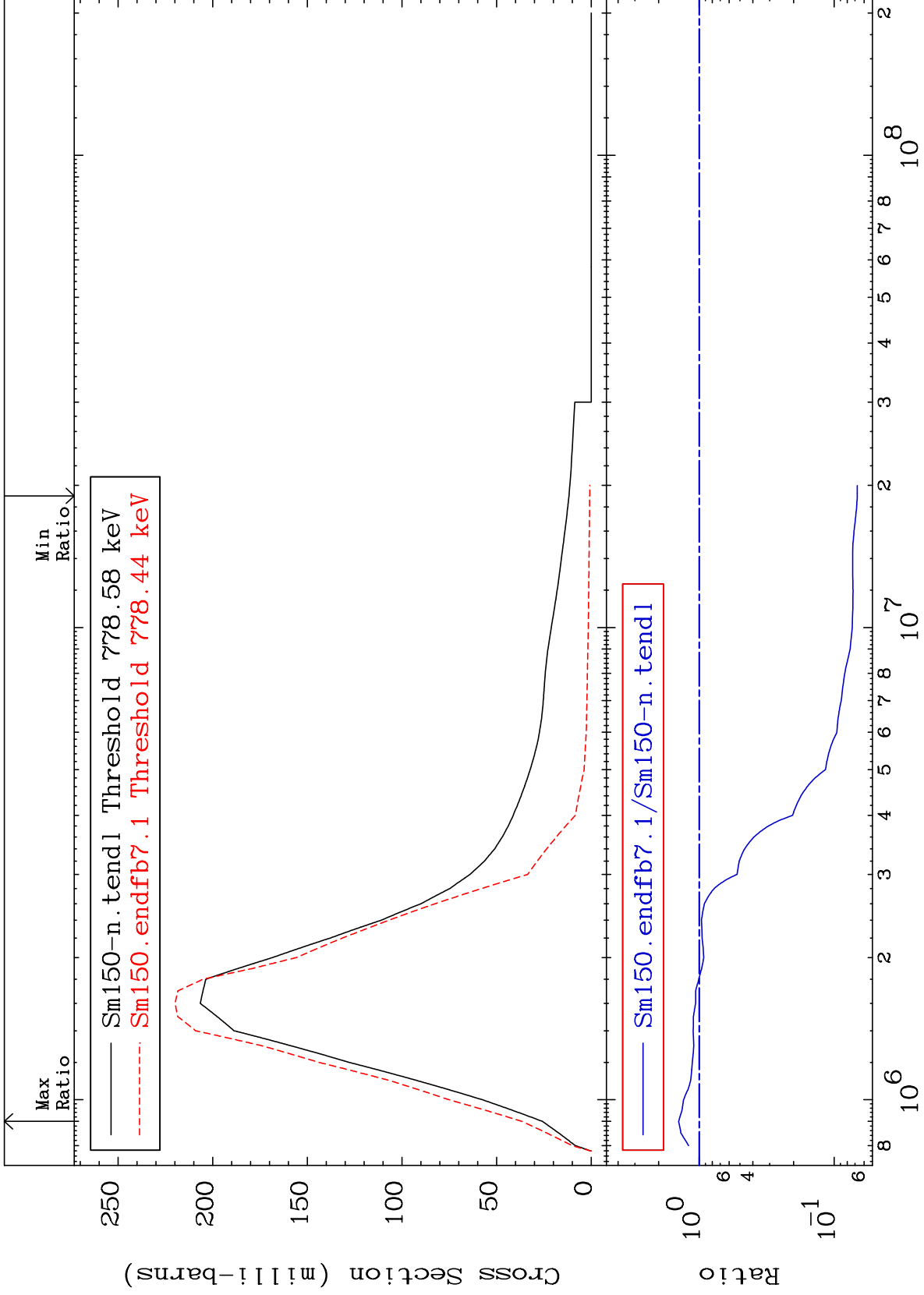
62-Sm-150
47.59 To 9999. %



MAT 6243

773.4 keV (n,n') Level
Cross Section

62-Sm-150
-93.26 To 42.13 %



12

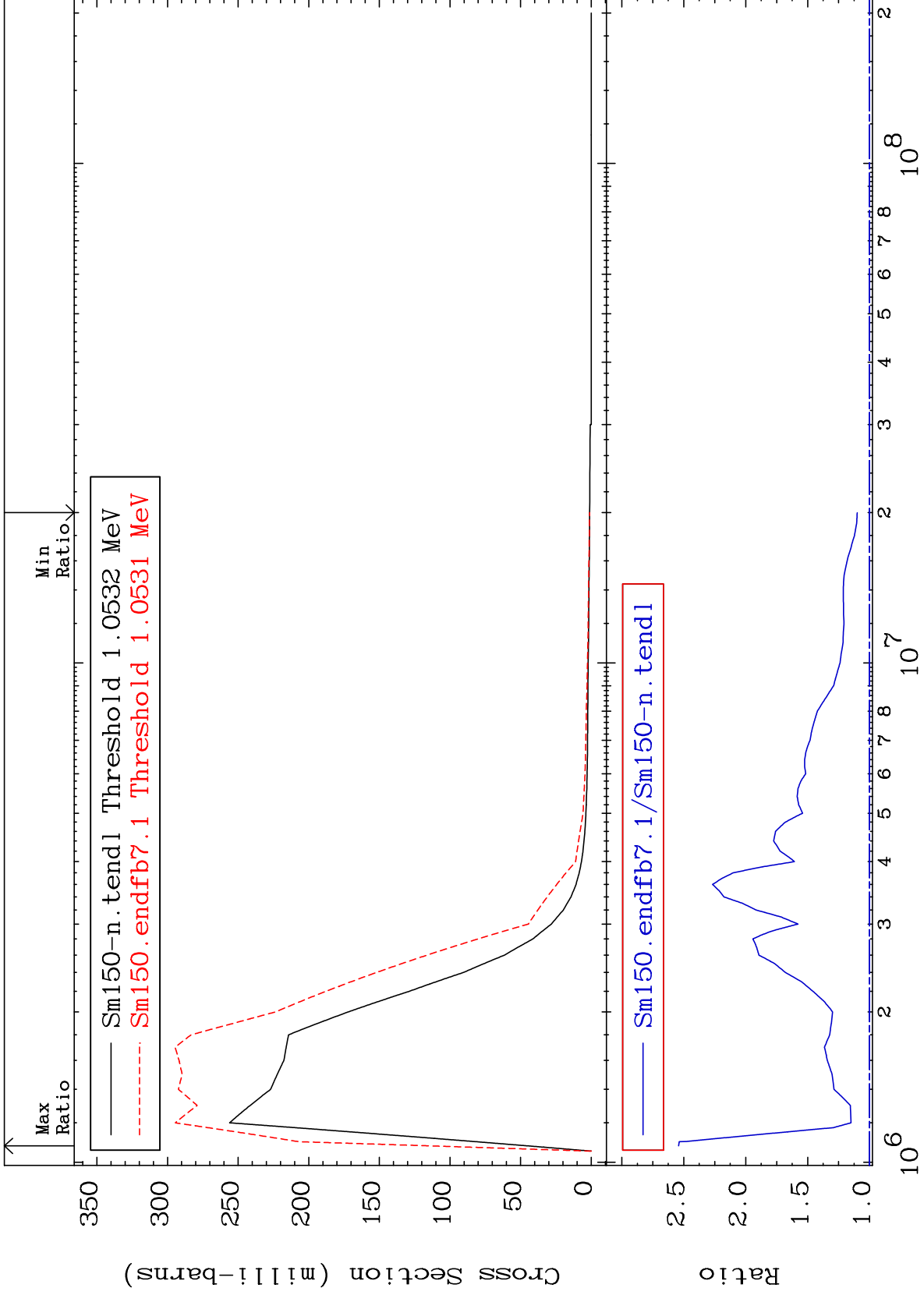
Incident Energy (eV)

62-Sm-150

MAT 6243

1.046 MeV (n,n') Level
Cross Section

62-Sm-150
9.968 To 154.2 %



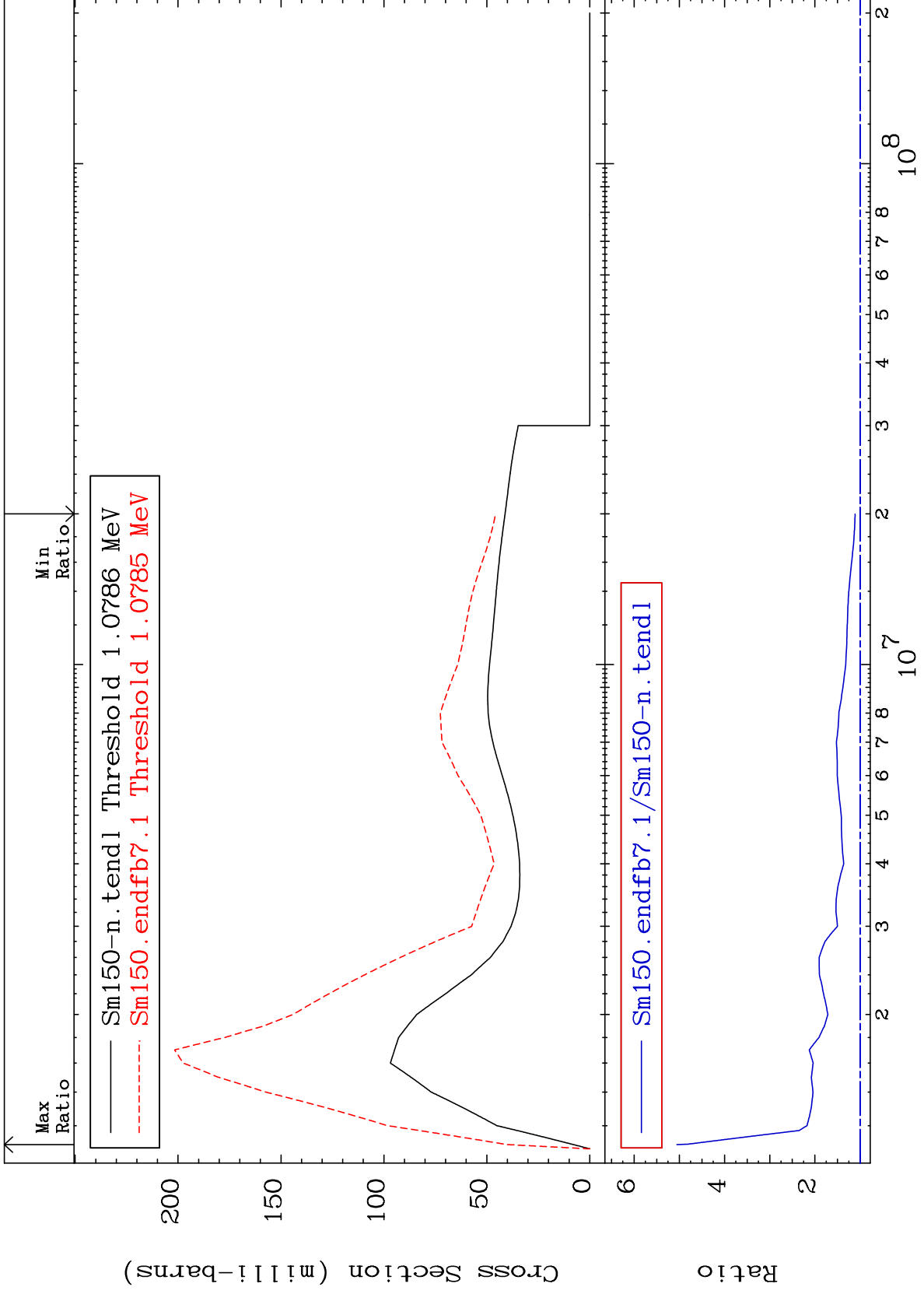
13

62-Sm-150

MAT 6243

1.071 MeV (n,n') Level
Cross Section

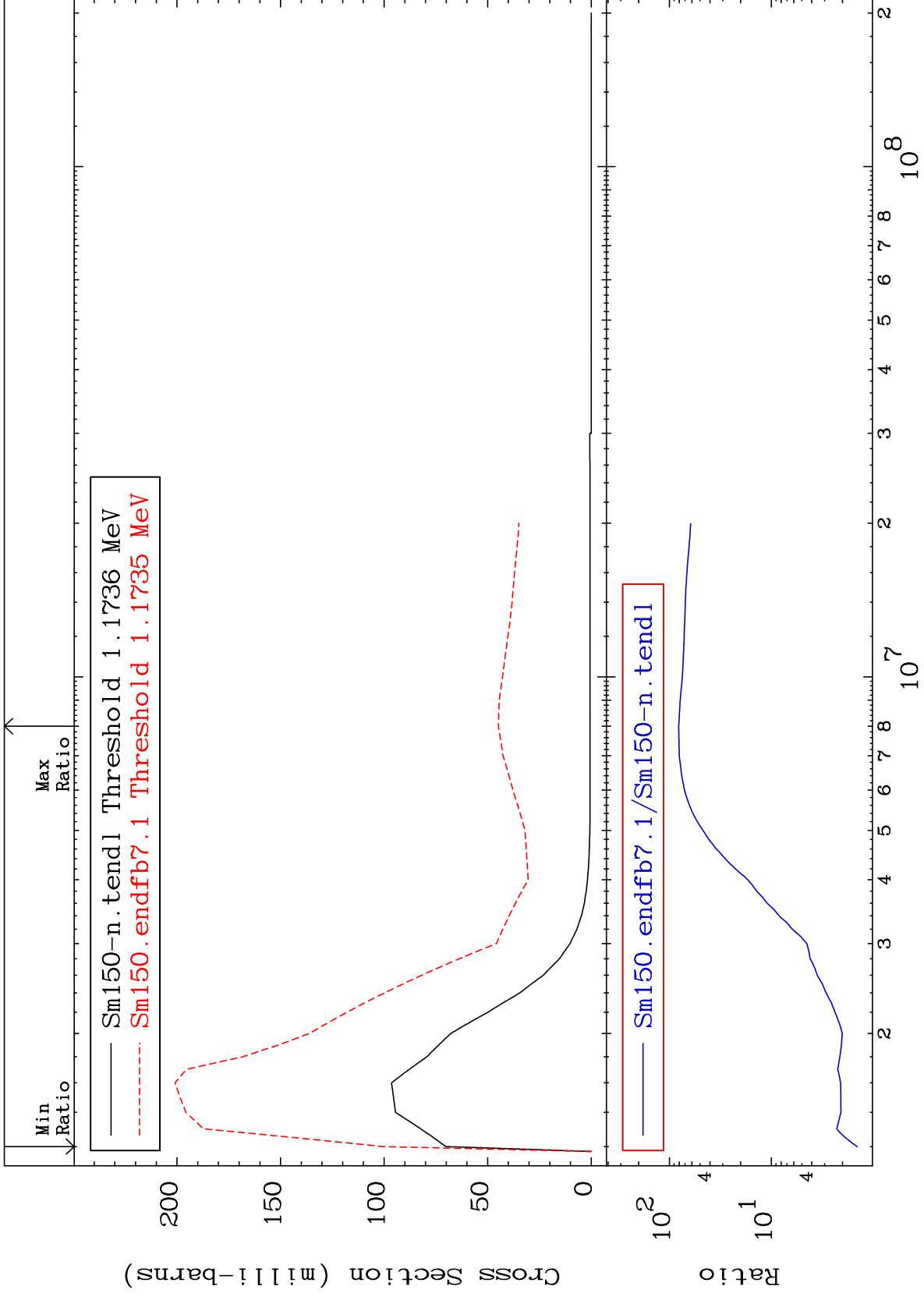
62-Sm-150
11.15 To 405.3 %



MAT 6243

1.166 MeV (n,n') Level
Cross Section

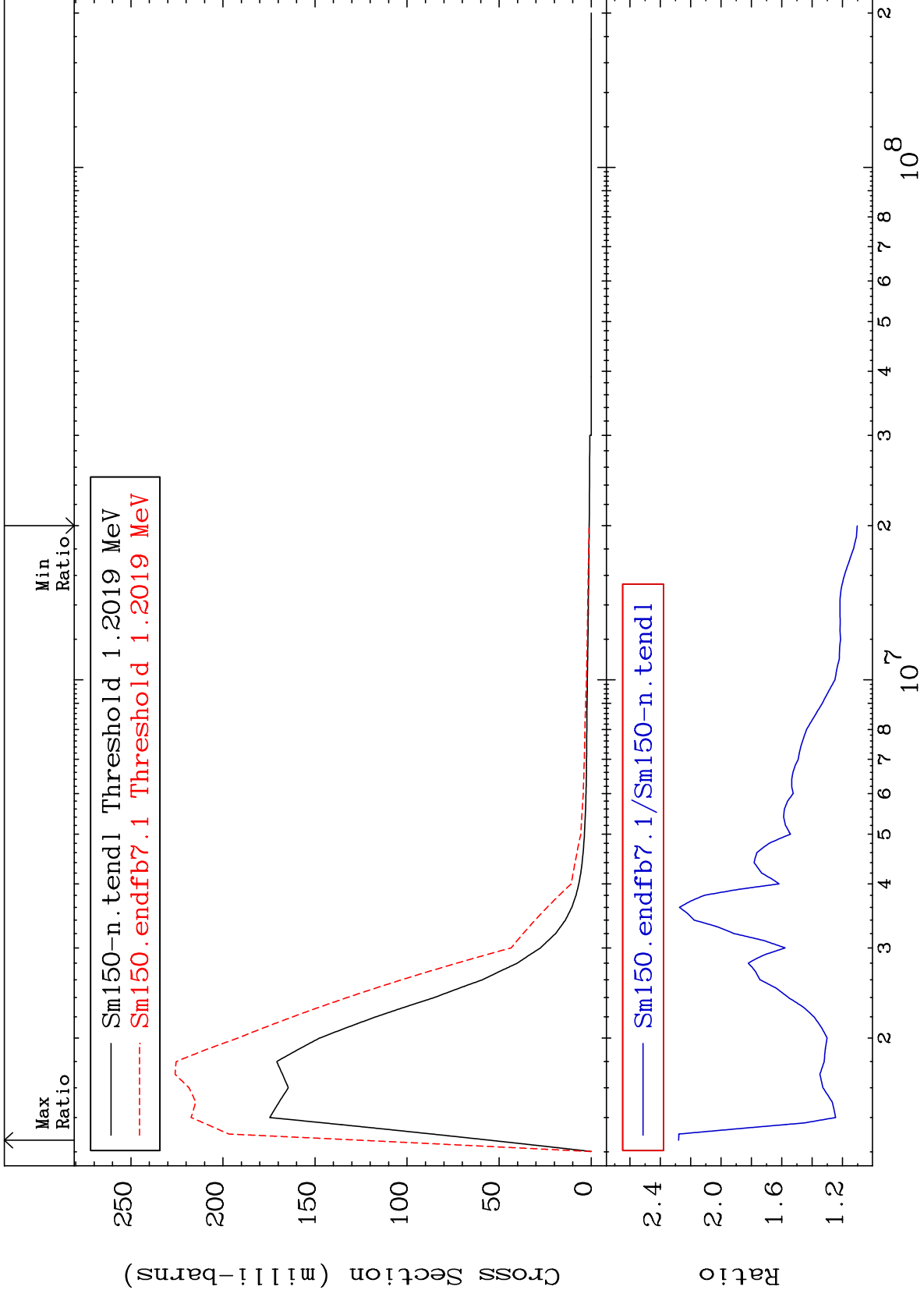
62-Sm-150
43.21 To 8009. %



MAT 6243

1.194 MeV (n,n') Level
Cross Section

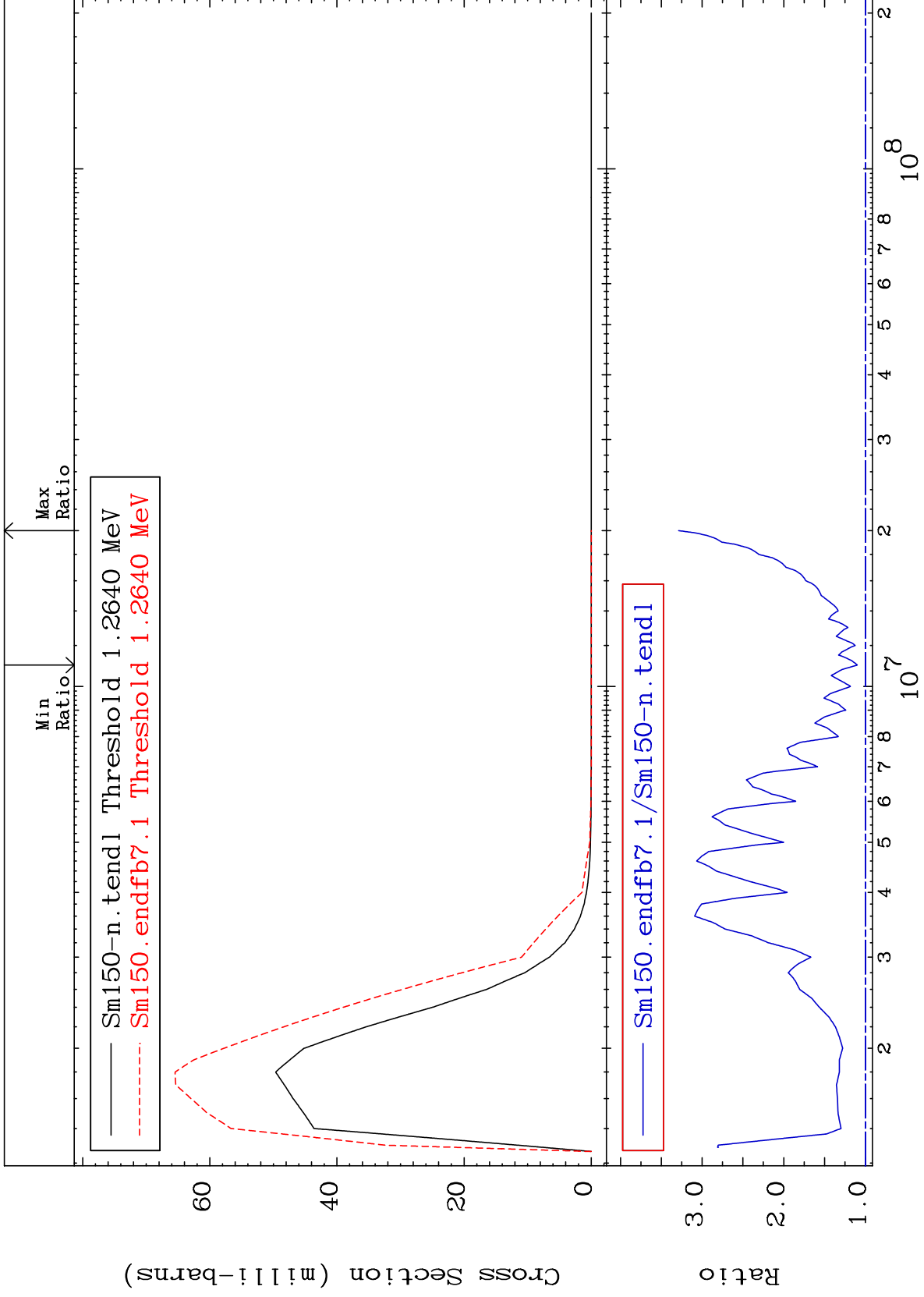
62-Sm-150
10.21 To 127.9 %



MAT 6243

1.256 MeV (n,n') Level
Cross Section

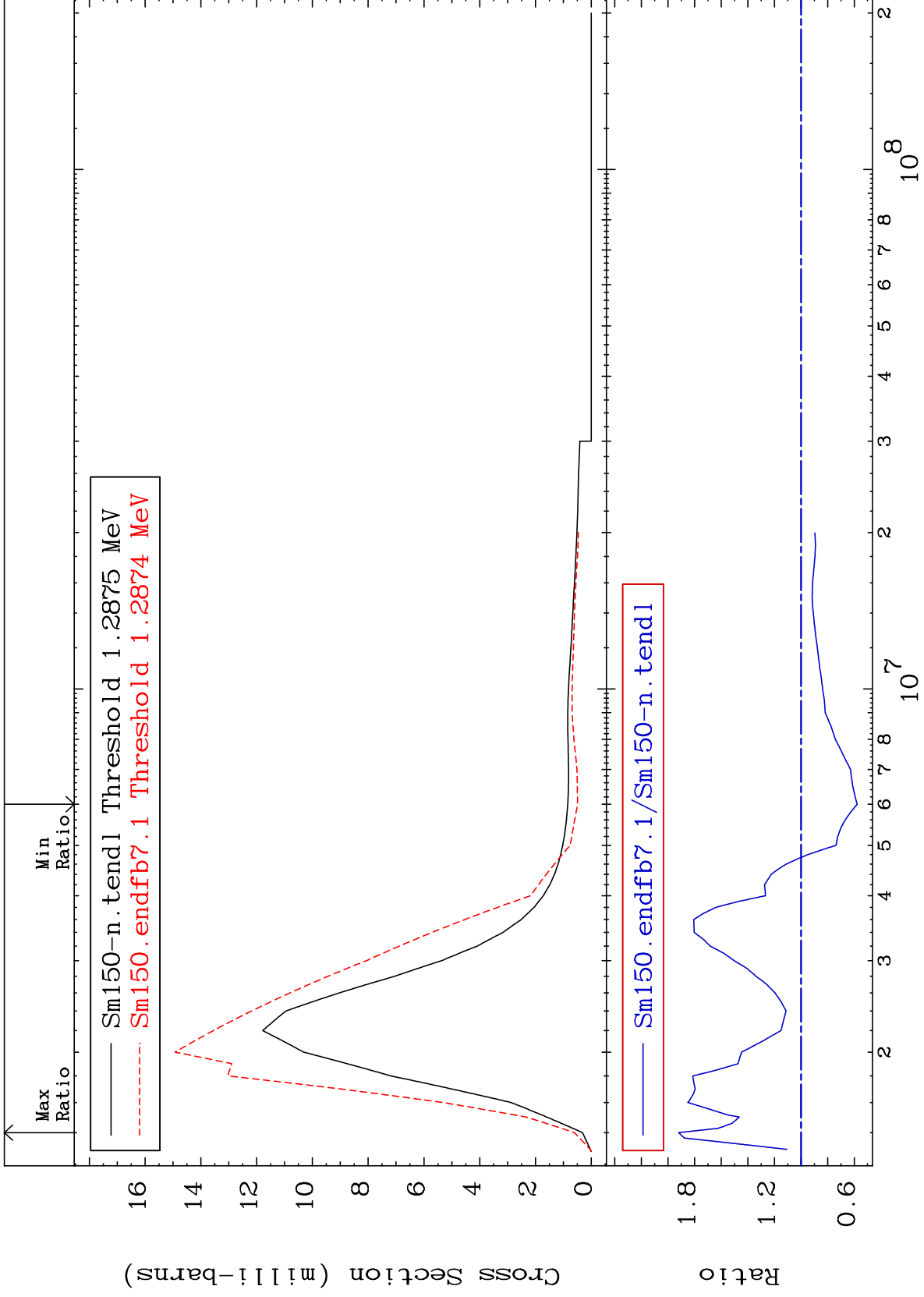
62-Sm-150
9.976 To 228.8 %



MAT 6243

1.279 MeV (n,n') Level
Cross Section

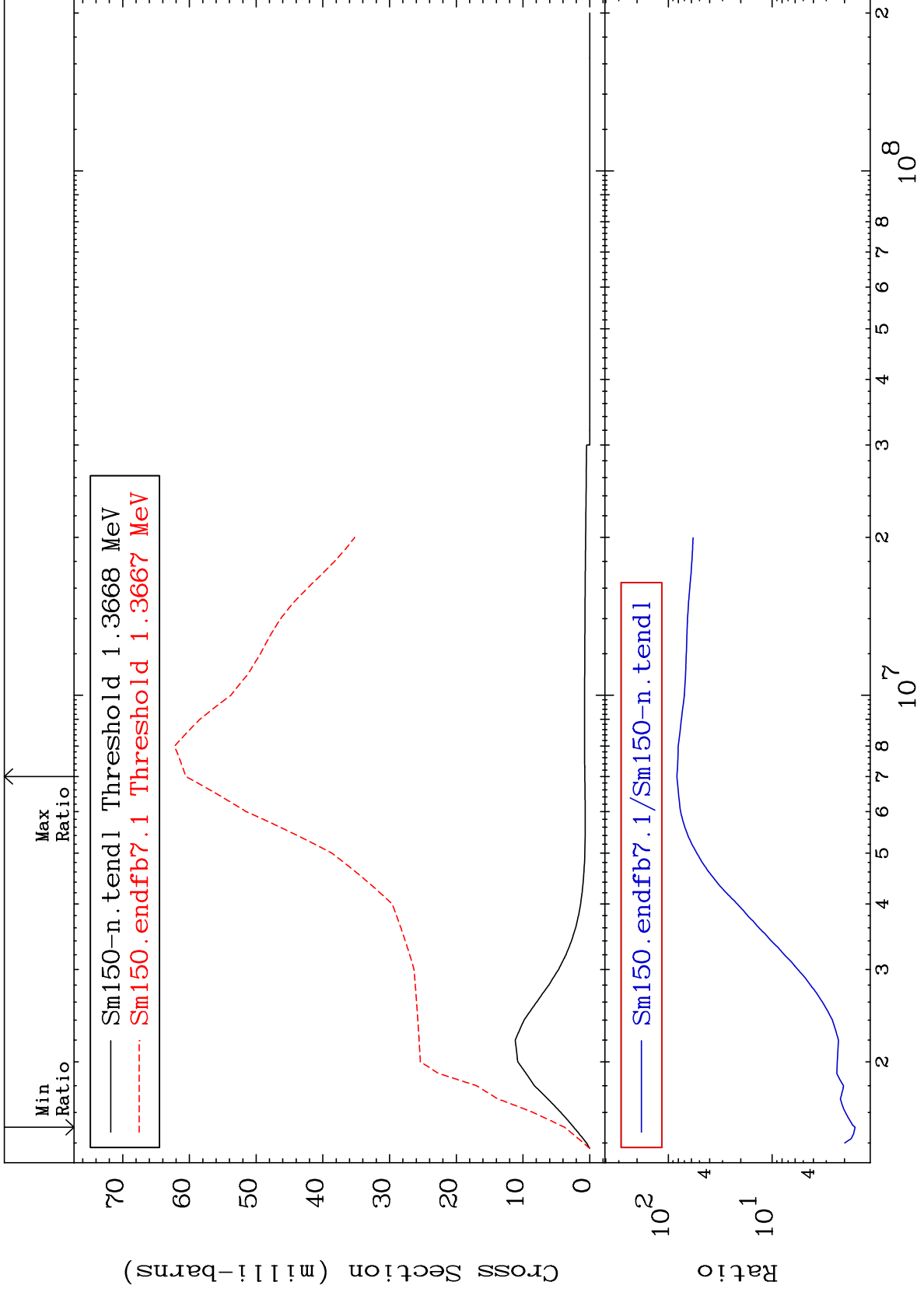
62-Sm-150
-42.27 To 91.96 %



MAT 6243

1.358 MeV (n,n') Level
Cross Section

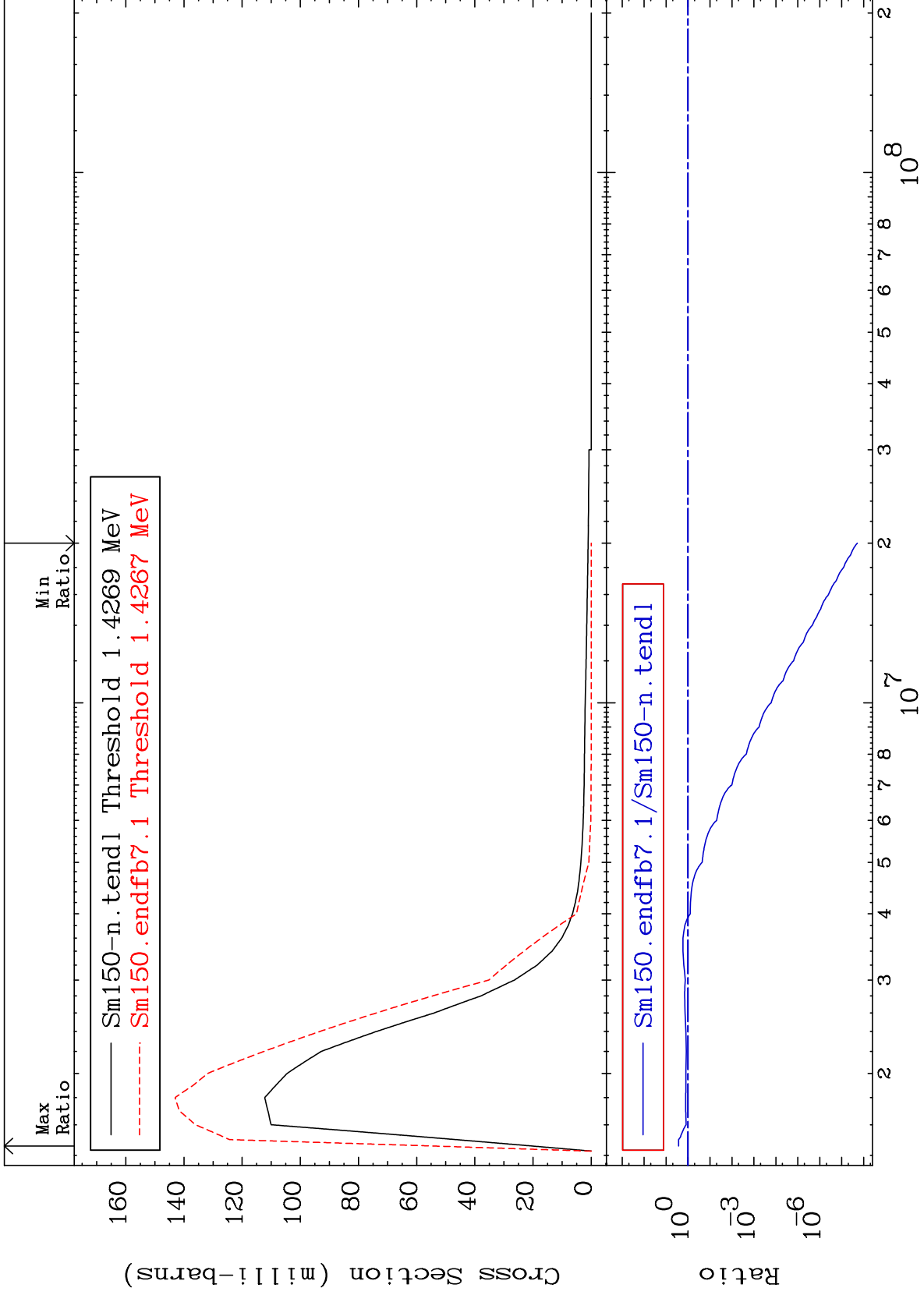
62-Sm-150
58.31 To 8155. %



MAT 6243

1.417 MeV (n,n') Level
Cross Section

62-Sm-150
-100.0 To 168.3 %



20

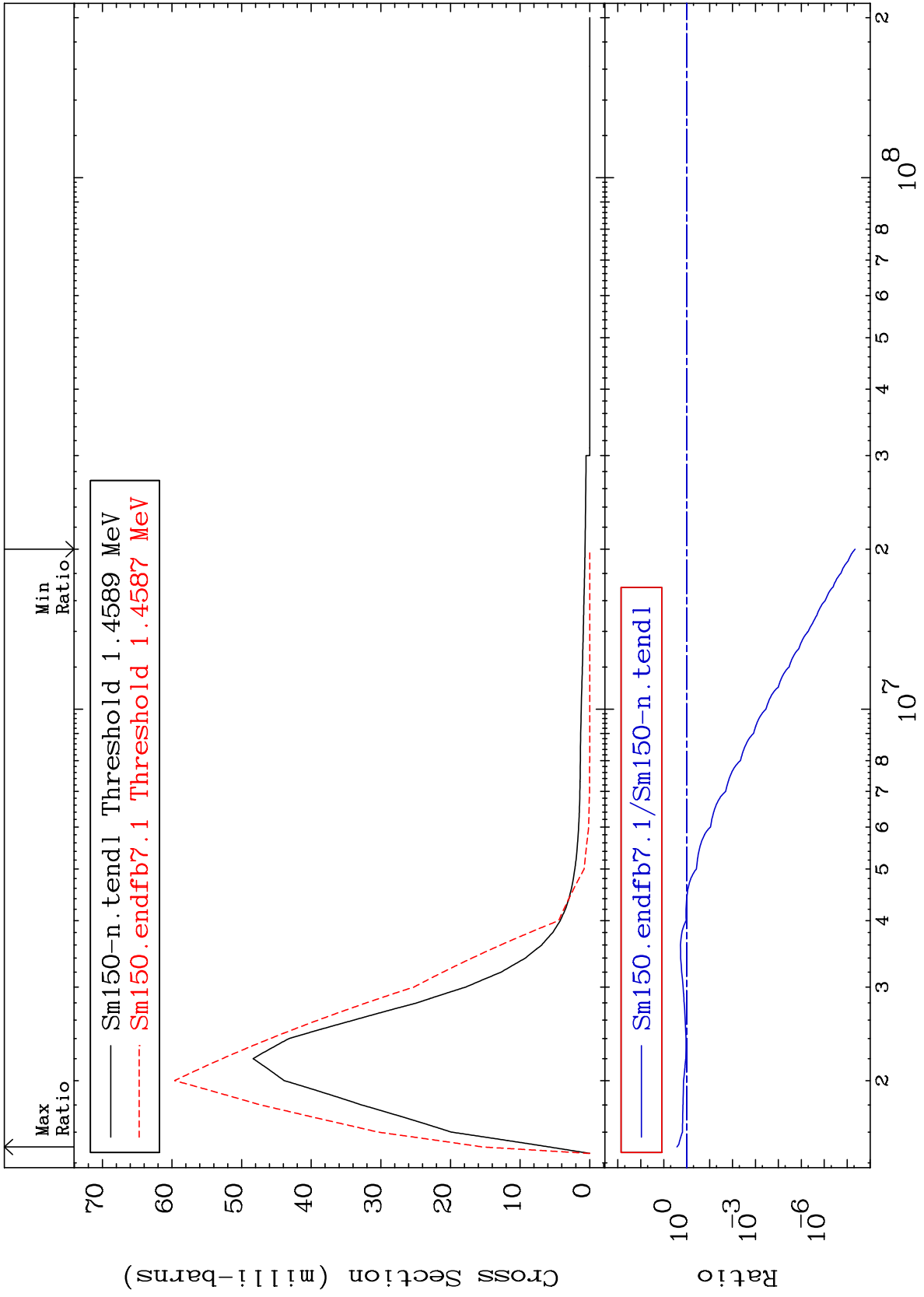
Incident Energy (eV)

62-Sm-150

MAT 6243

1.449 MeV (n,n') Level
Cross Section

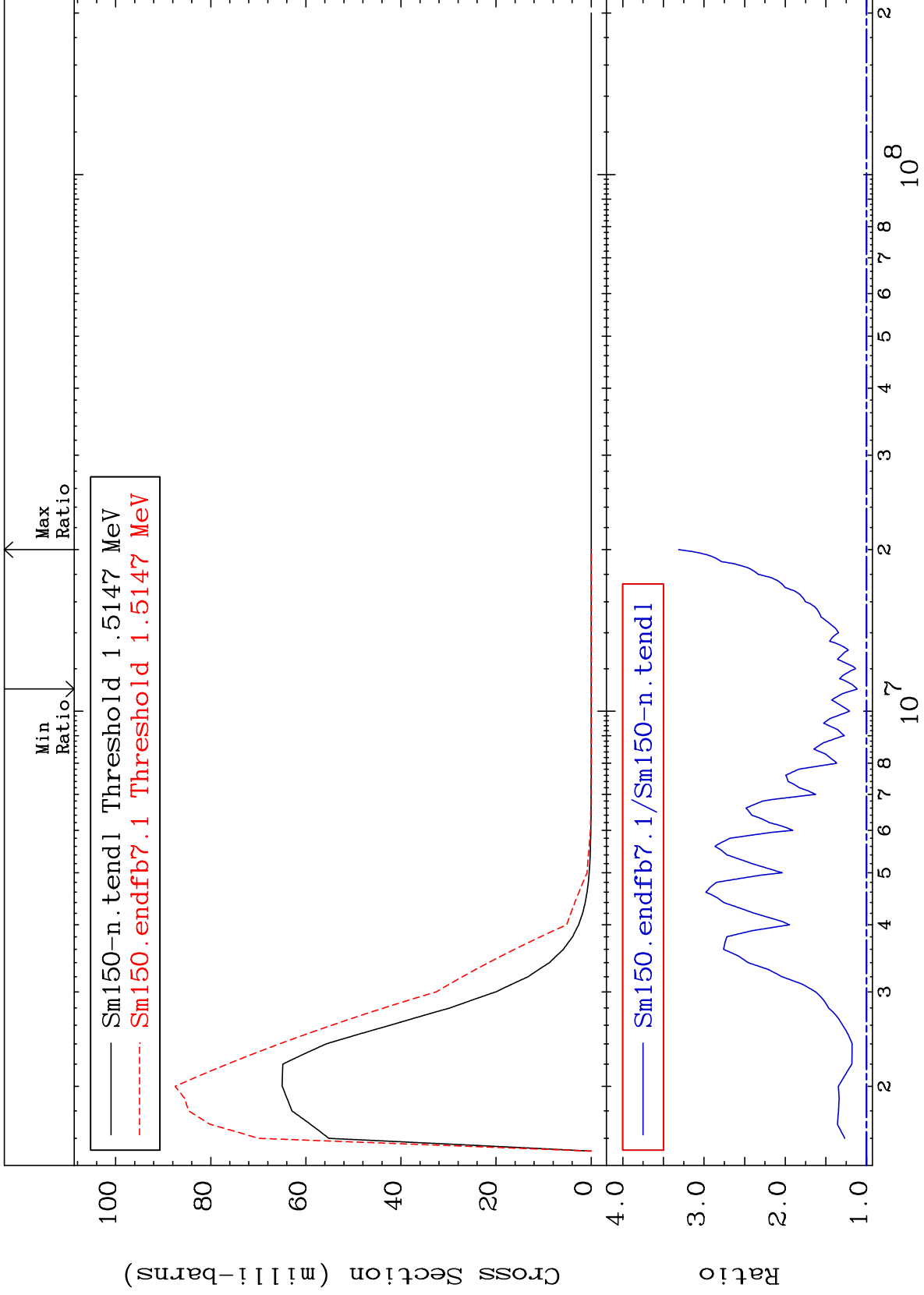
62-Sm-150
-100.0 To 165.4 %



MAT 6243

1.505 MeV (n,n') Level
Cross Section

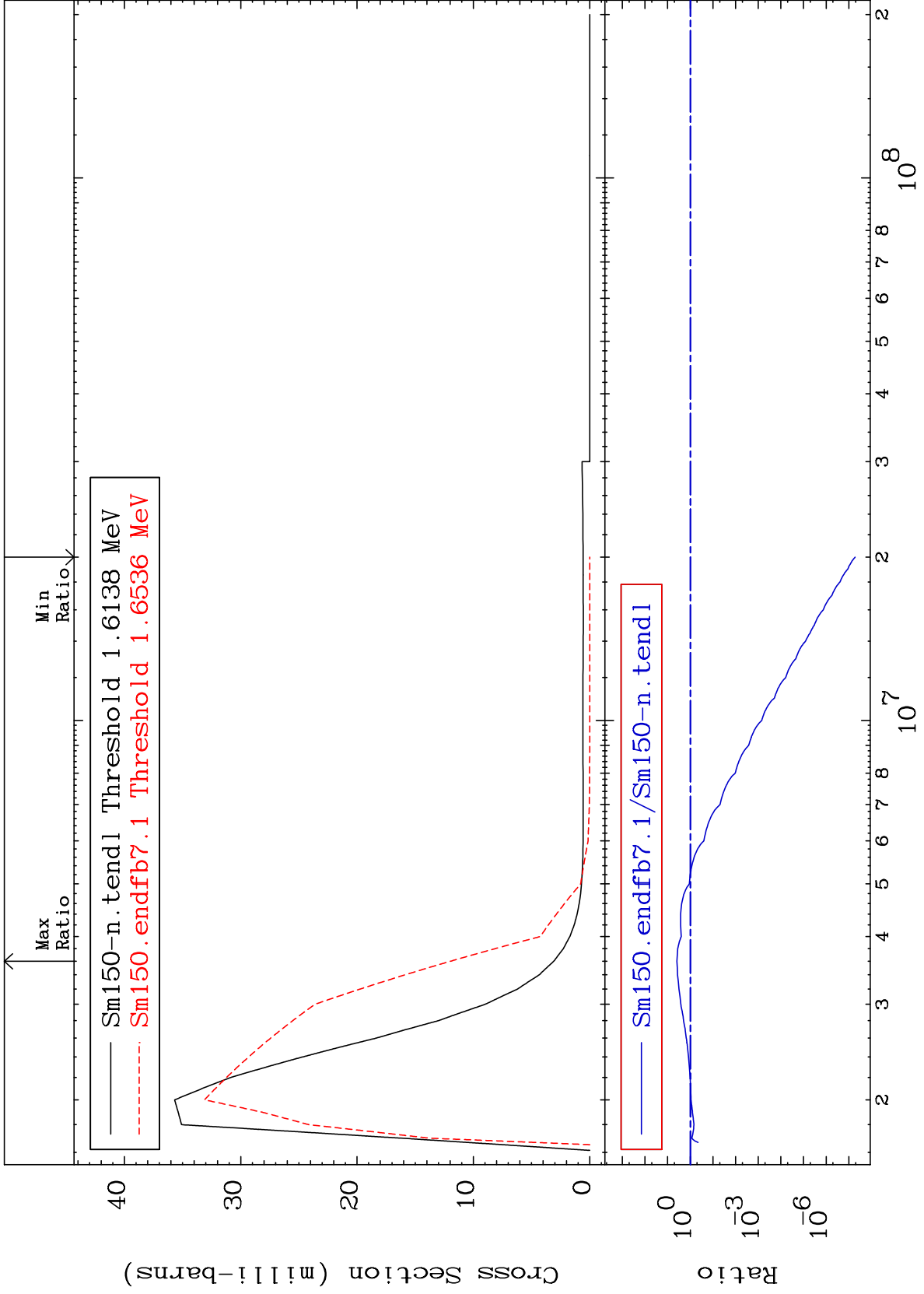
62-Sm-150
11.40 To 231.3 %



MAT 6243

1.603 MeV (n,n') Level
Cross Section

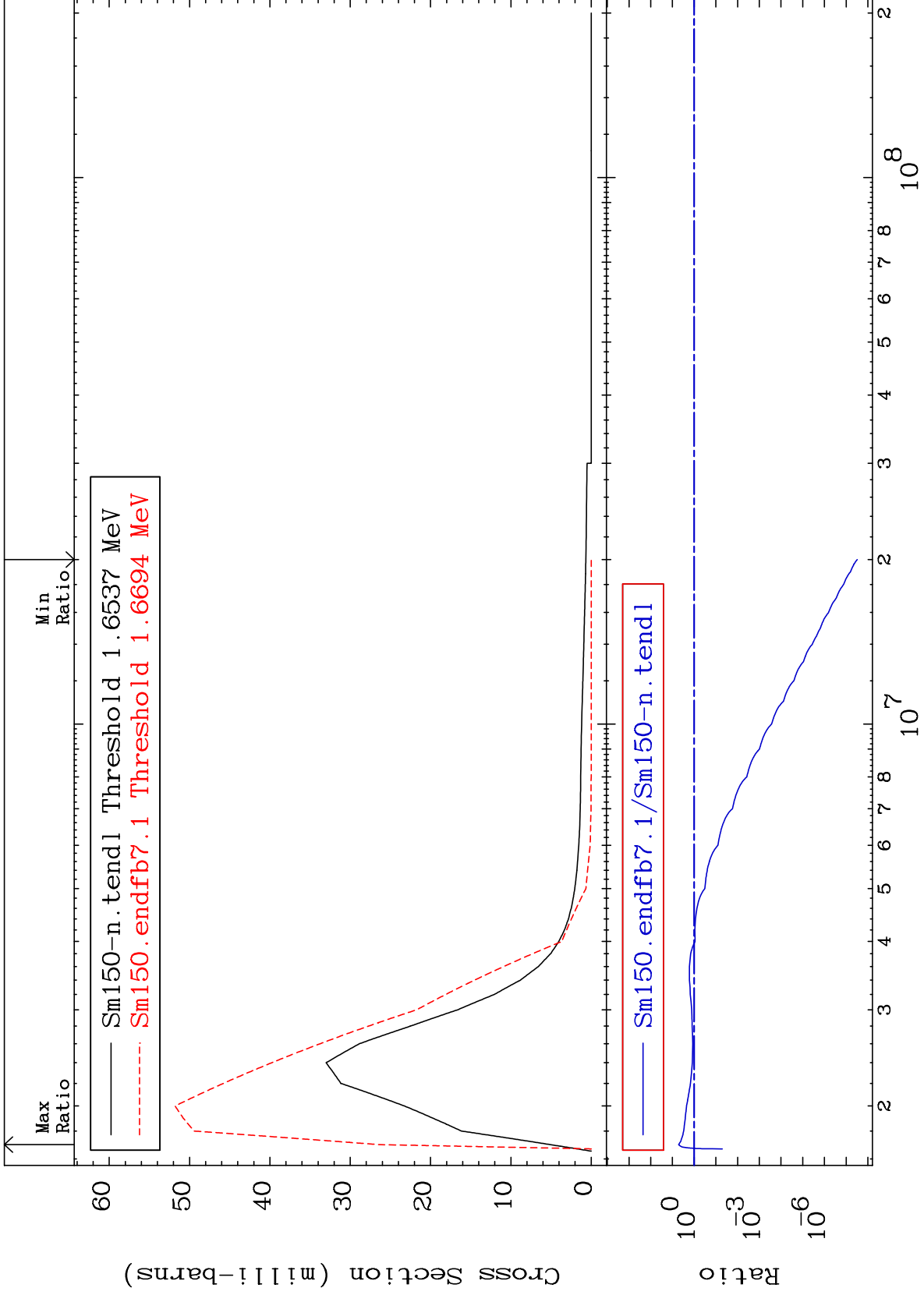
62-Sm-150
-100.0 To 288.1 %



MAT 6243

1.643 MeV (n,n') Level
Cross Section

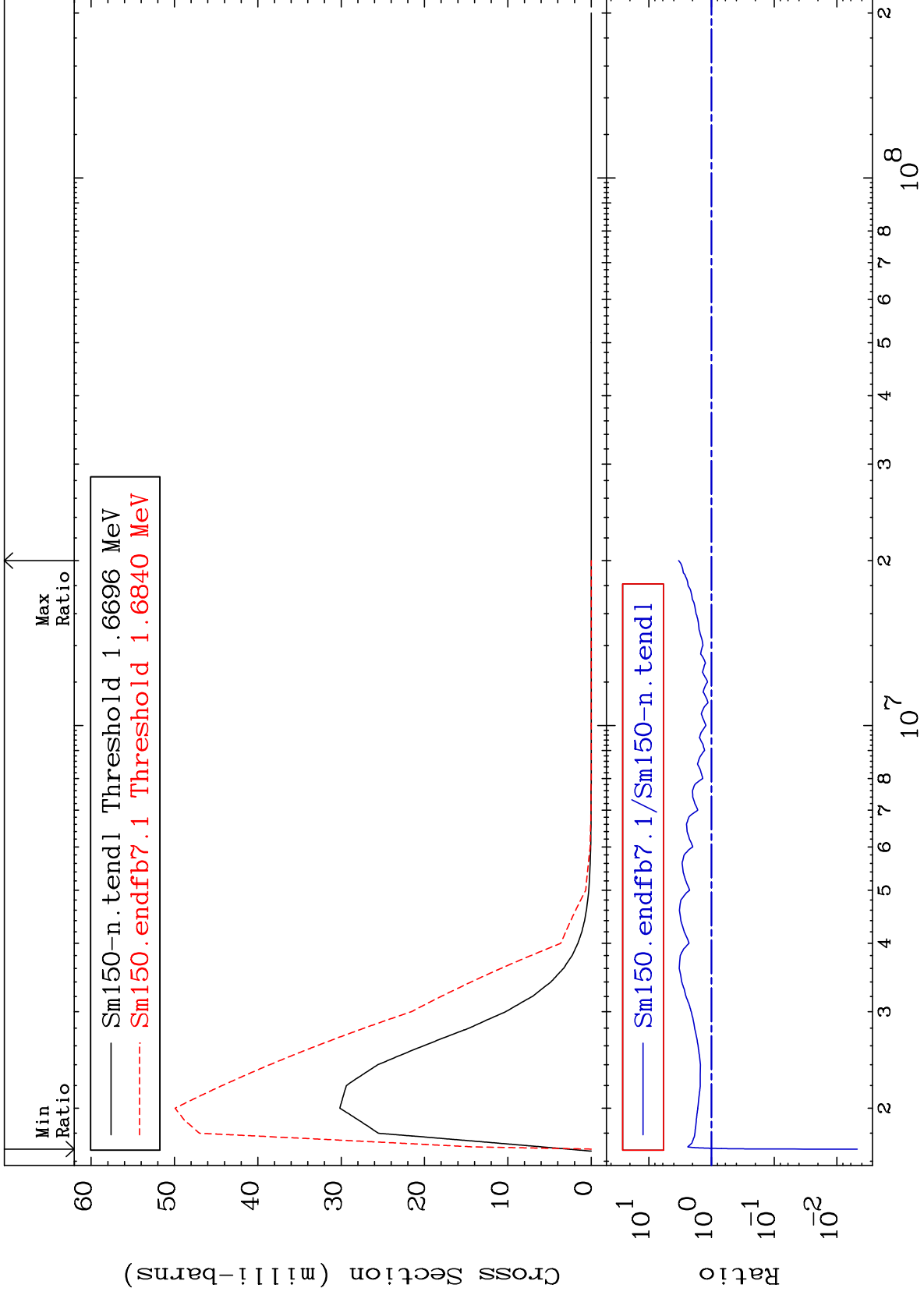
62-Sm-150
-100.0 To 417.8 %



MAT 6243

1.658 MeV (n,n') Level
Cross Section

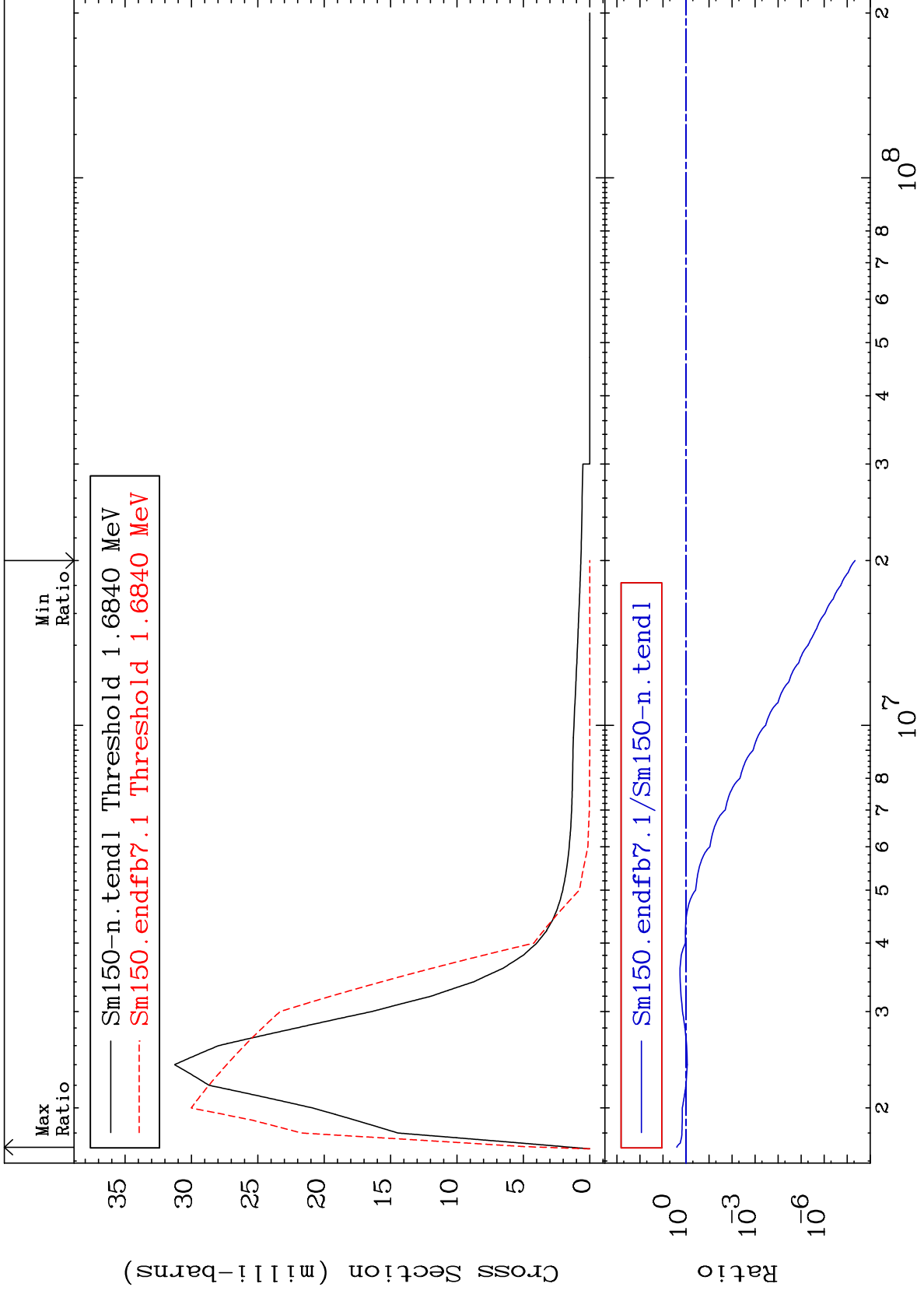
62-Sm-150
-99.53 To 234.2 %



MAT 6243

1.673 MeV (n,n') Level
Cross Section

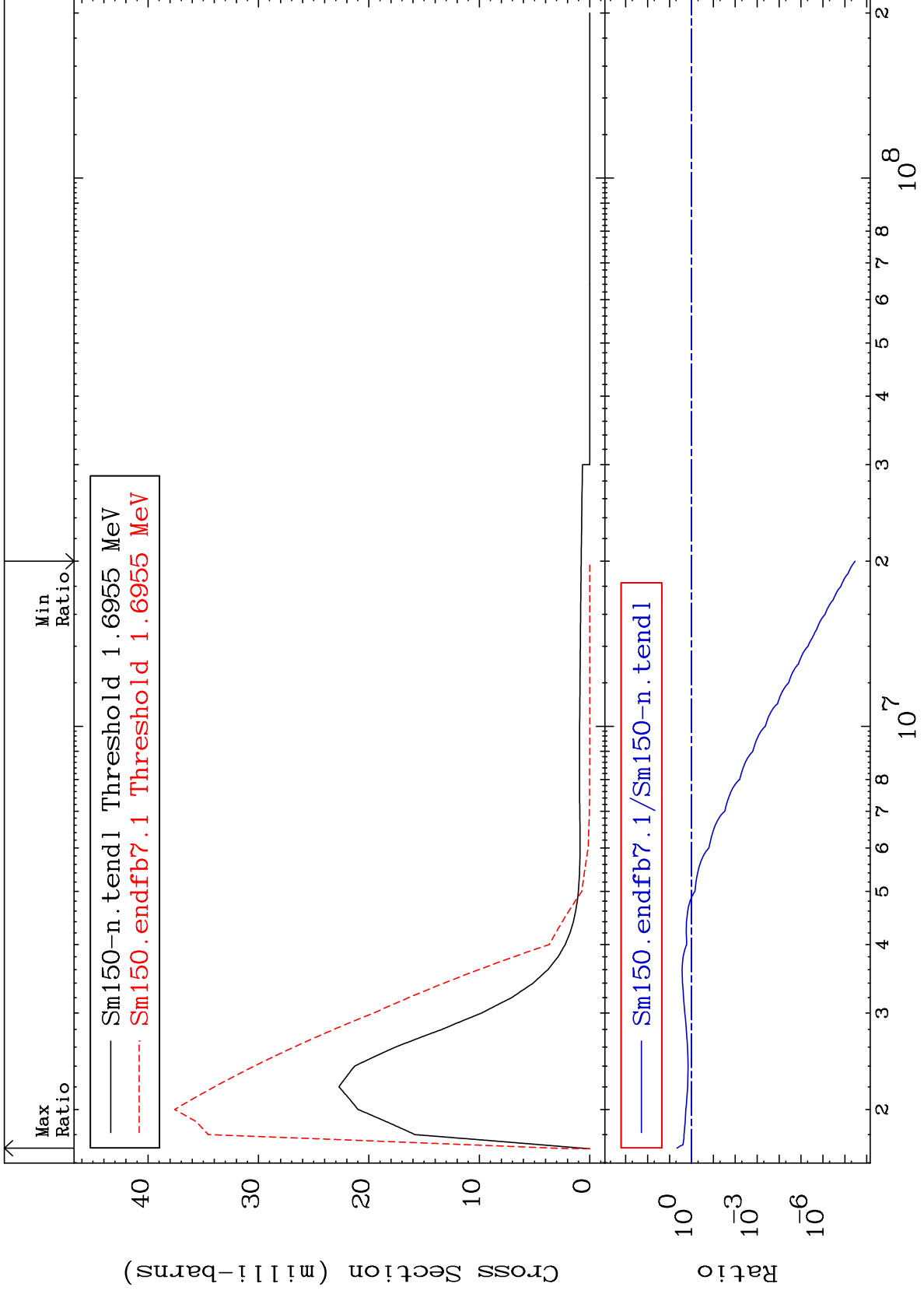
62-Sm-150
-100.0 To 147.8 %



MAT 6243

1.684 MeV (n,n') Level
Cross Section

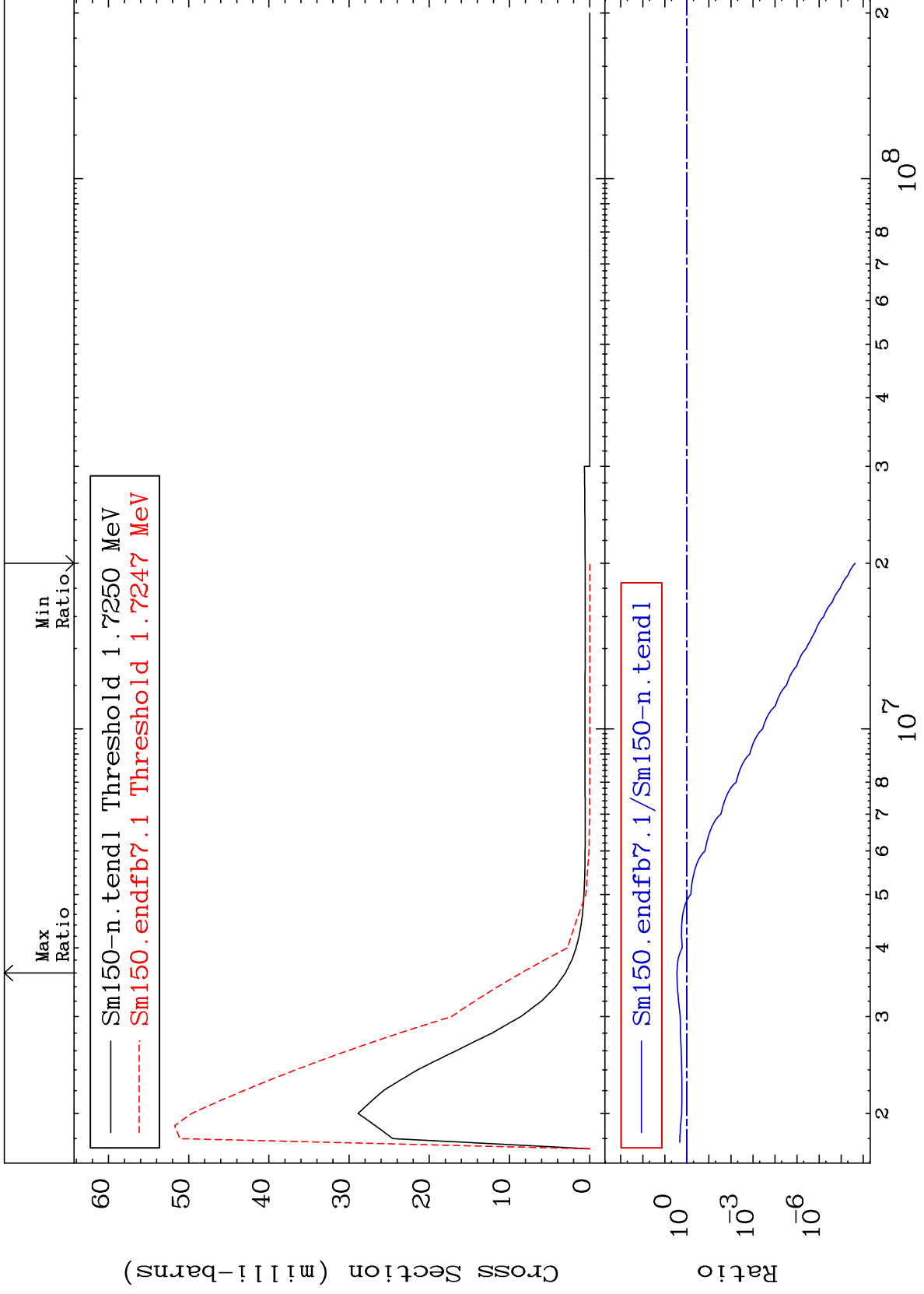
62-Sm-150
-100.0 To 360.1 %



MAT 6243

1.714 MeV (n,n') Level
Cross Section

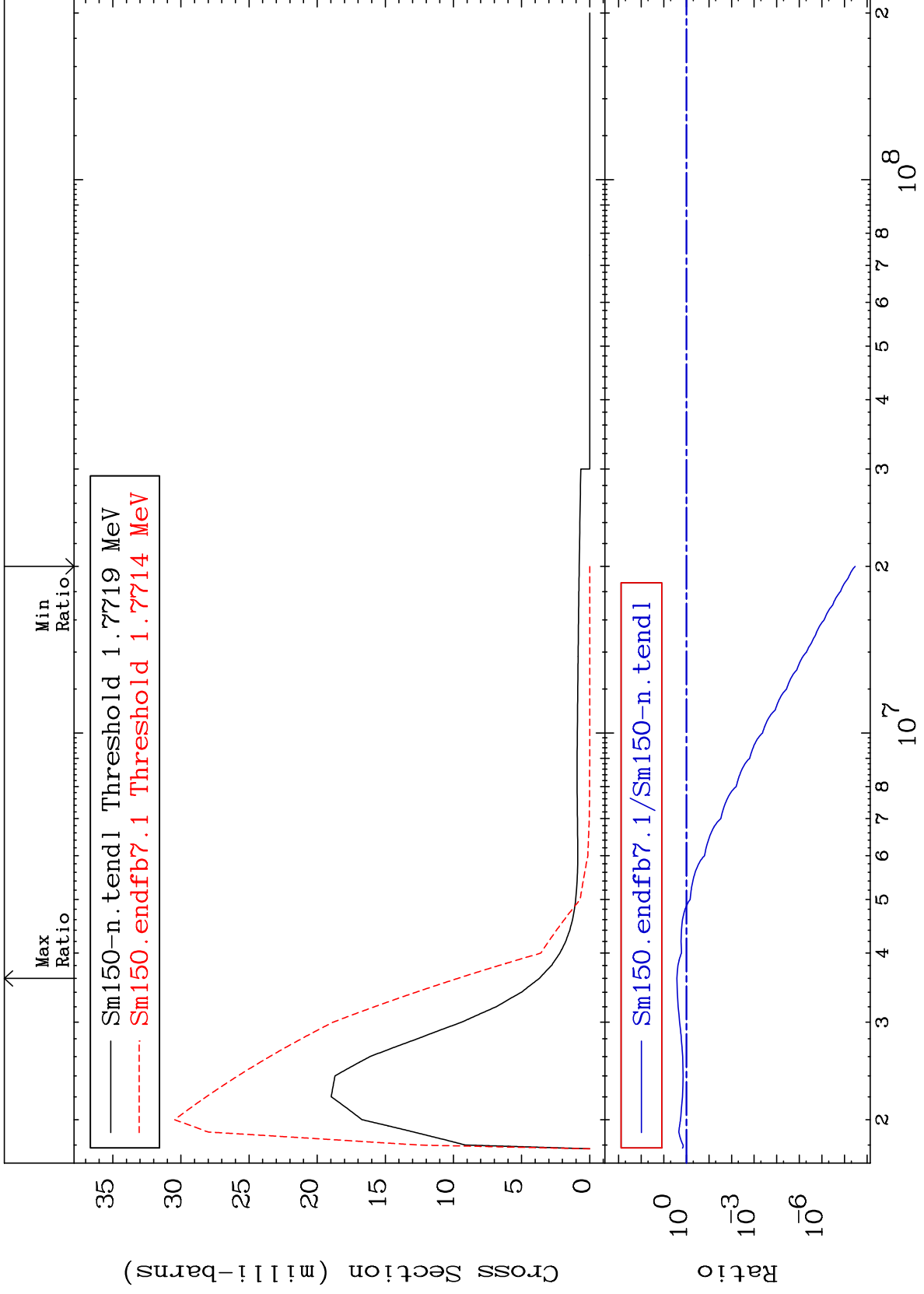
62-Sm-150
-100.0 To 182.1 %



MAT 6243

1.760 MeV (n,n') Level
Cross Section

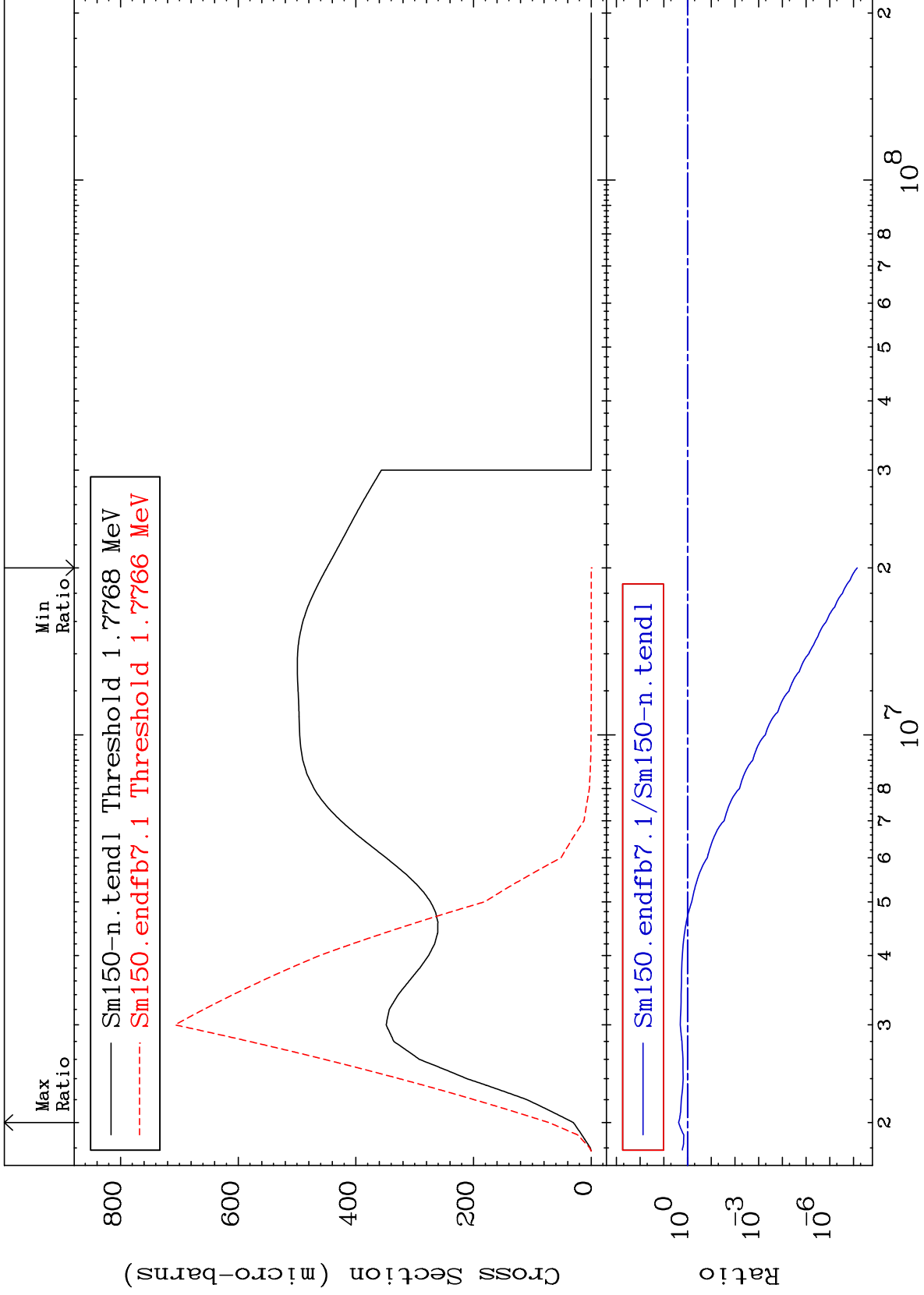
62-Sm-150
-100.0 To 161.8 %



MAT 6243

1.765 MeV (n,n') Level
Cross Section

62-Sm-150
-100.0 To 137.8 %



30

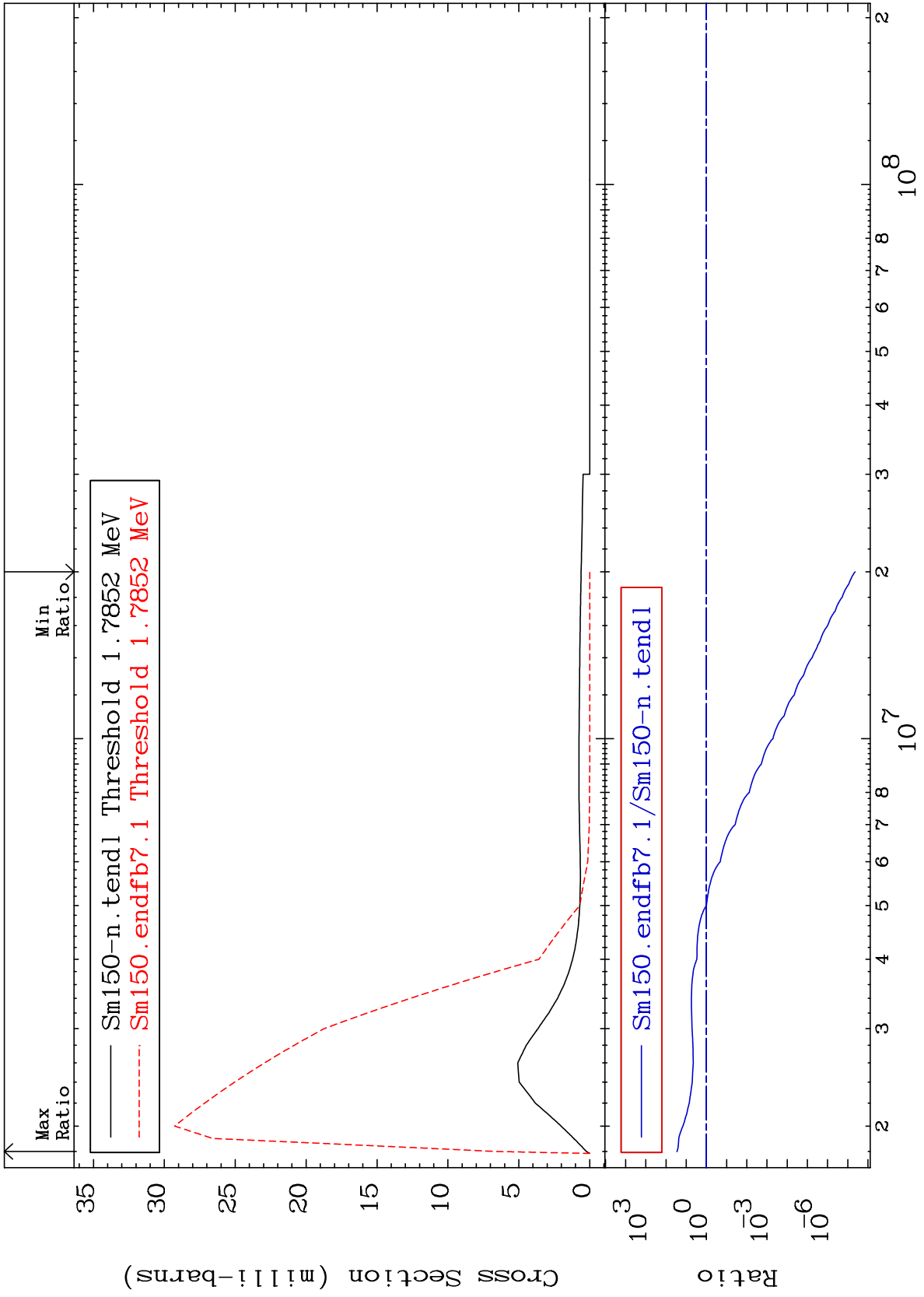
Incident Energy (eV)

62-Sm-150

MAT 6243

1.773 MeV (n,n') Level
Cross Section

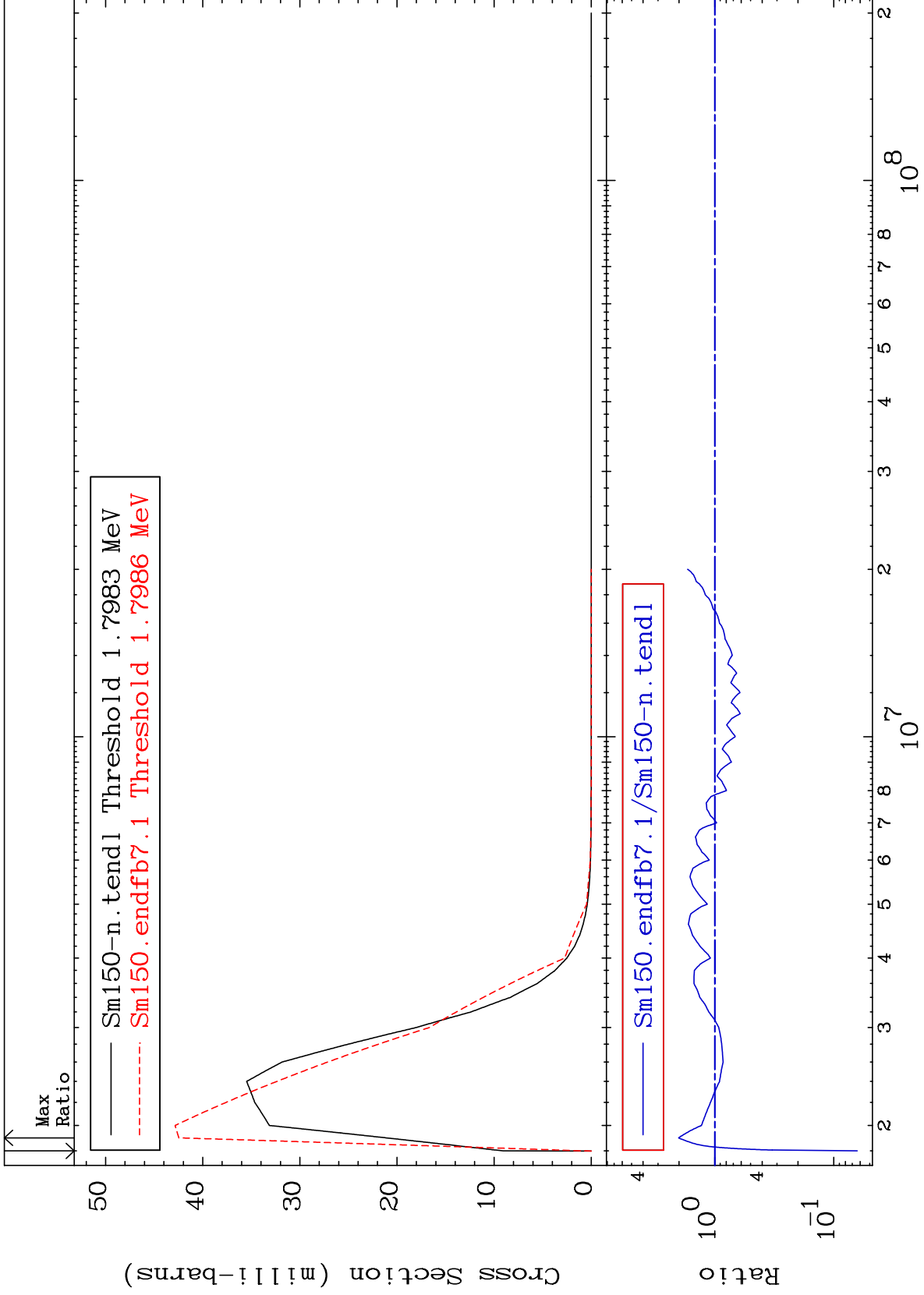
62-Sm-150
-100.0 To 2785. %



MAT 6243

1.786 MeV (n,n') Level
Cross Section

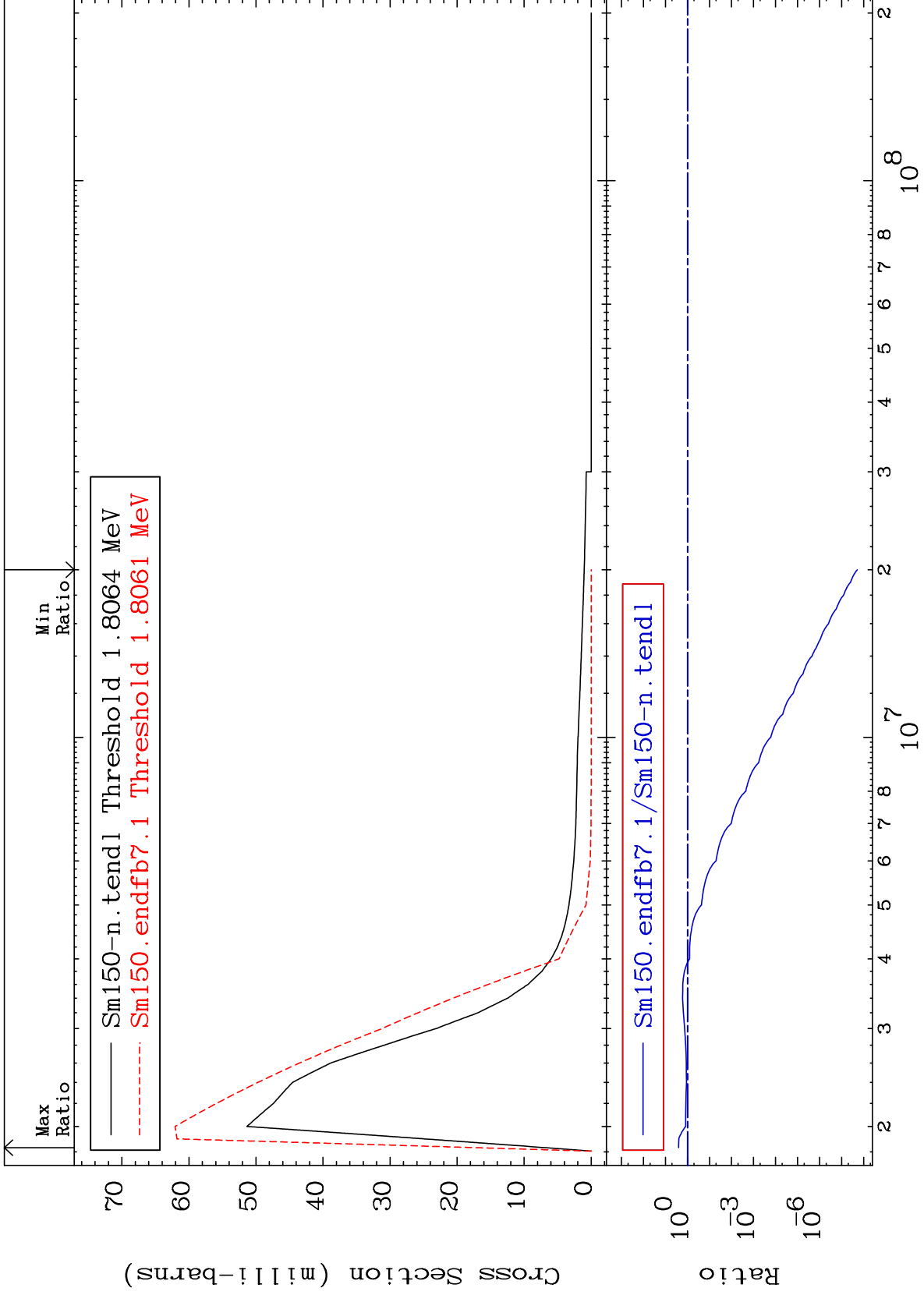
62-Sm-150
-93.65 To 101.1 %



MAT 6243

1.794 MeV (n,n') Level
Cross Section

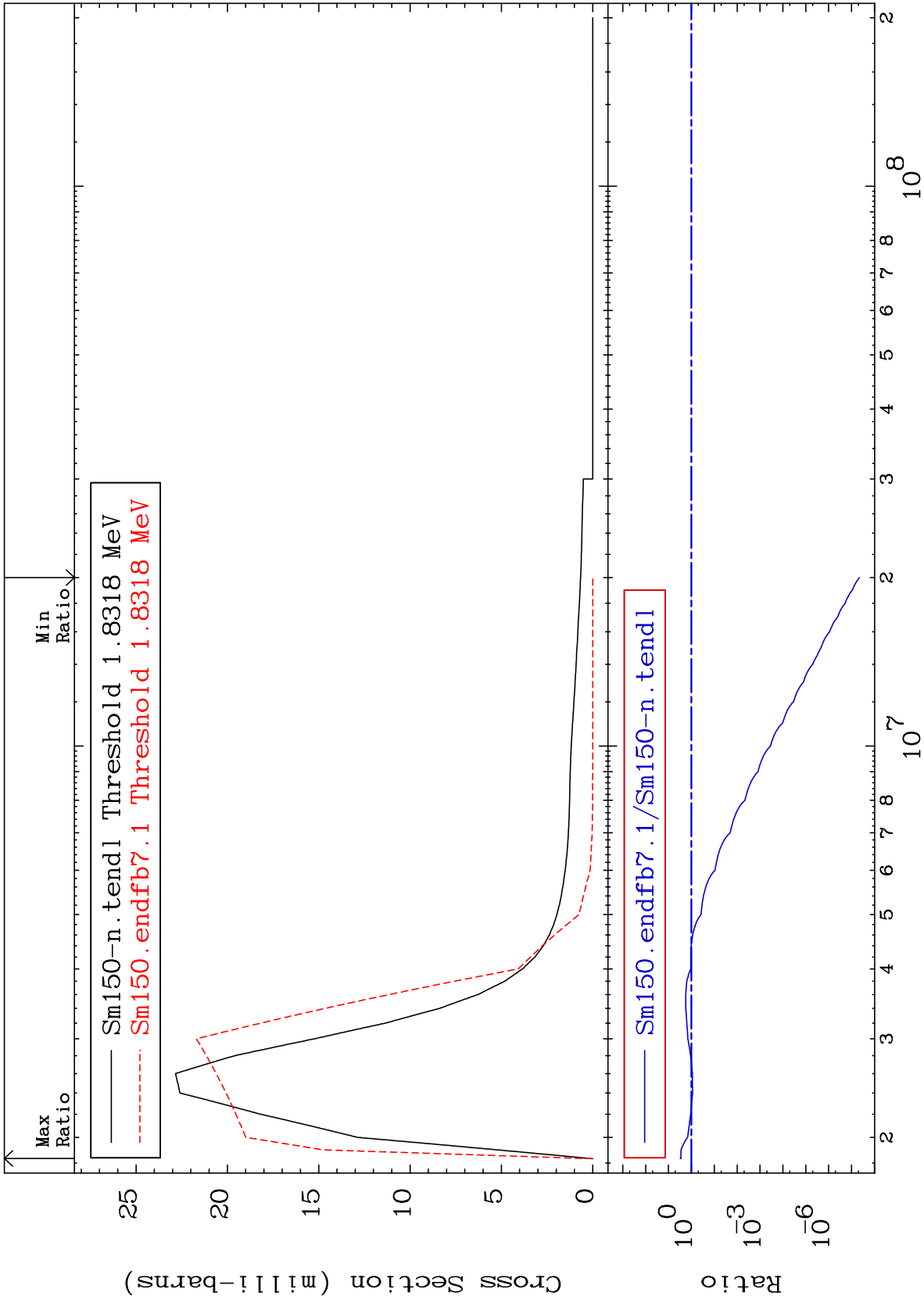
62-Sm-150
-100.0 To 150.9 %



MAT 6243

1.820 MeV (n,n') Level
Cross Section

62-Sm-150
-100.0 To 203.1 %



34

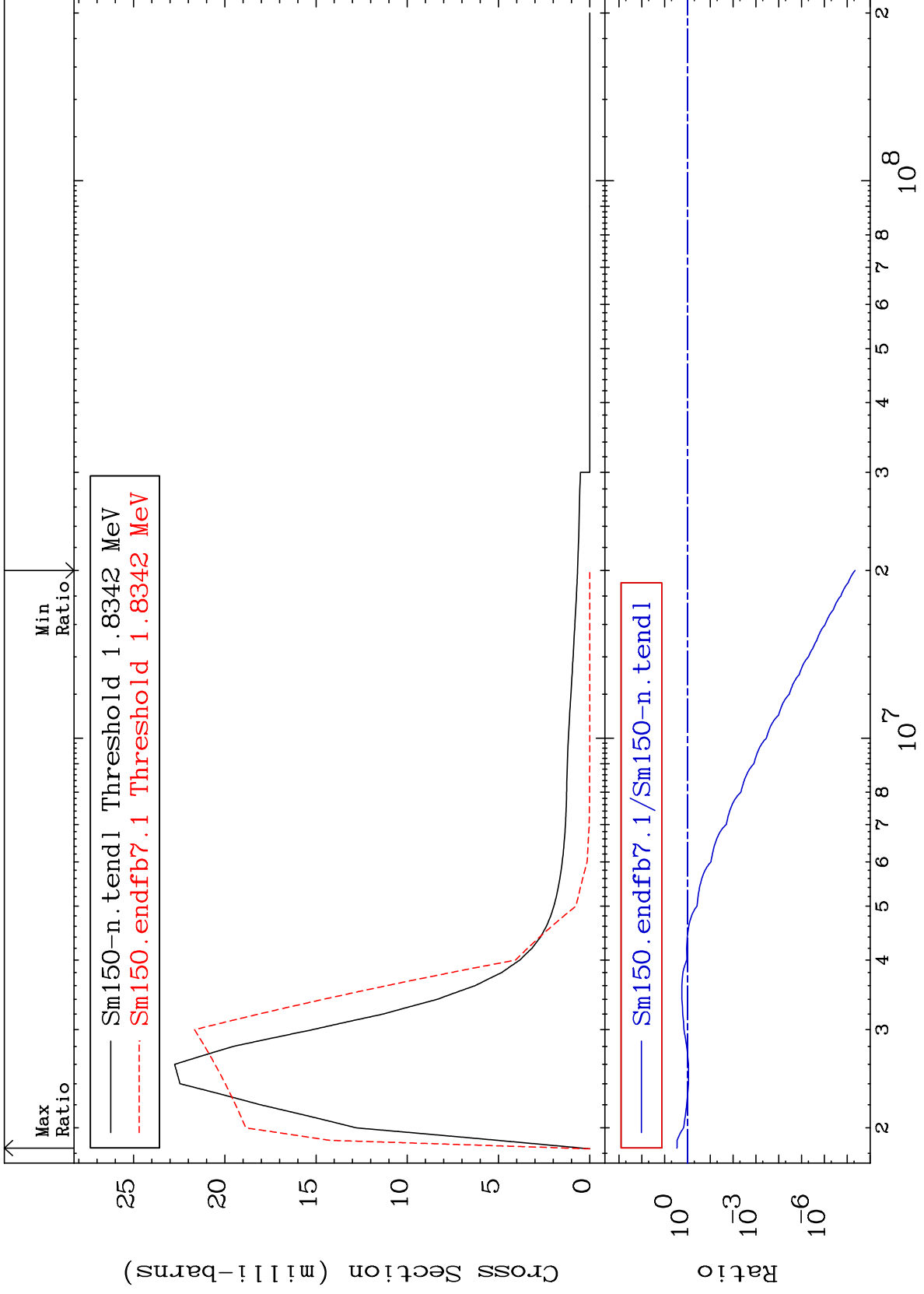
Incident Energy (eV)

62-Sm-150

MAT 6243

1.822 MeV (n,n') Level
Cross Section

62-Sm-150
-100.0 To 188.7 %



35

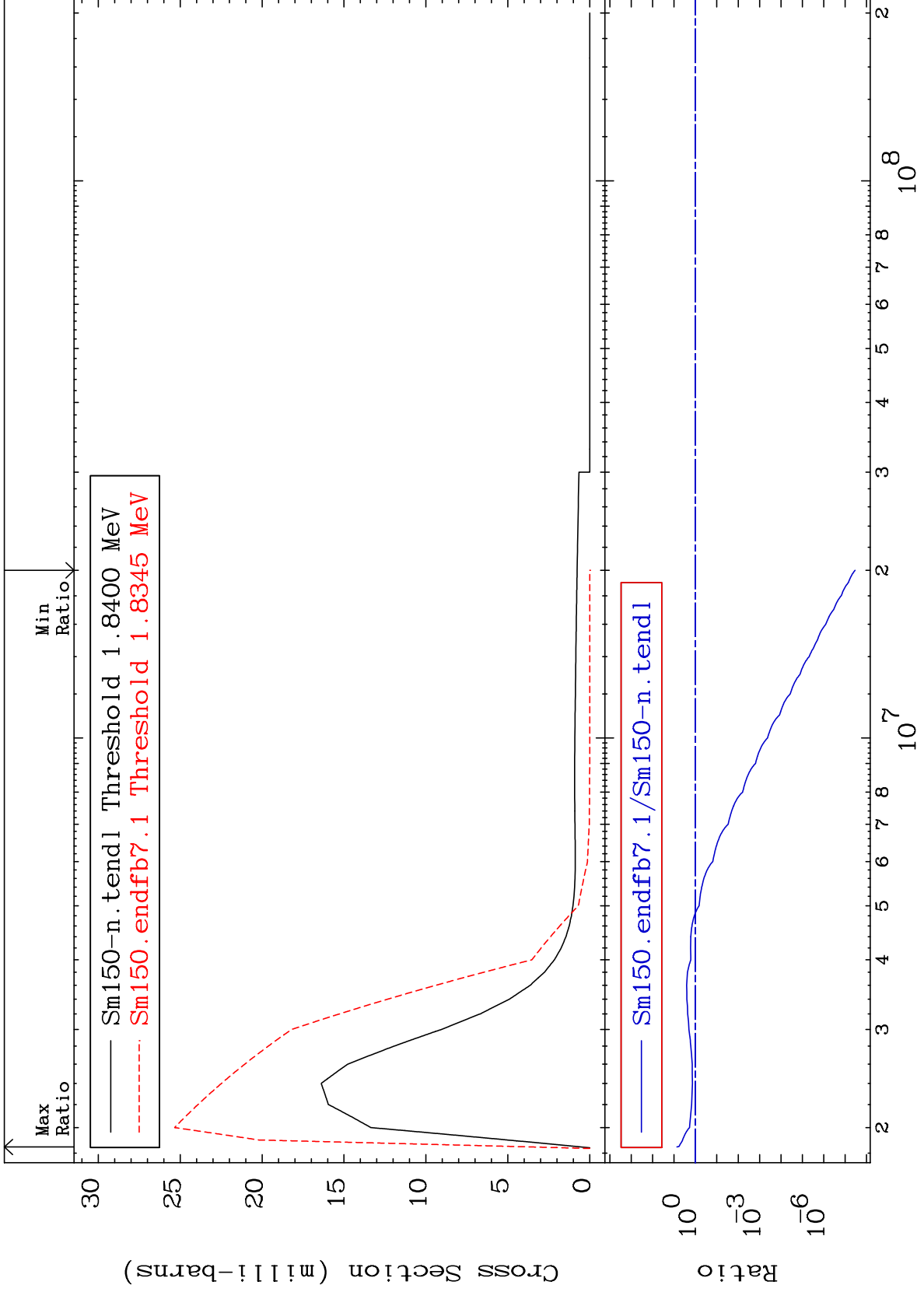
Incident Energy (eV)

62-Sm-150

MAT 6243

1.828 MeV (n,n') Level
Cross Section

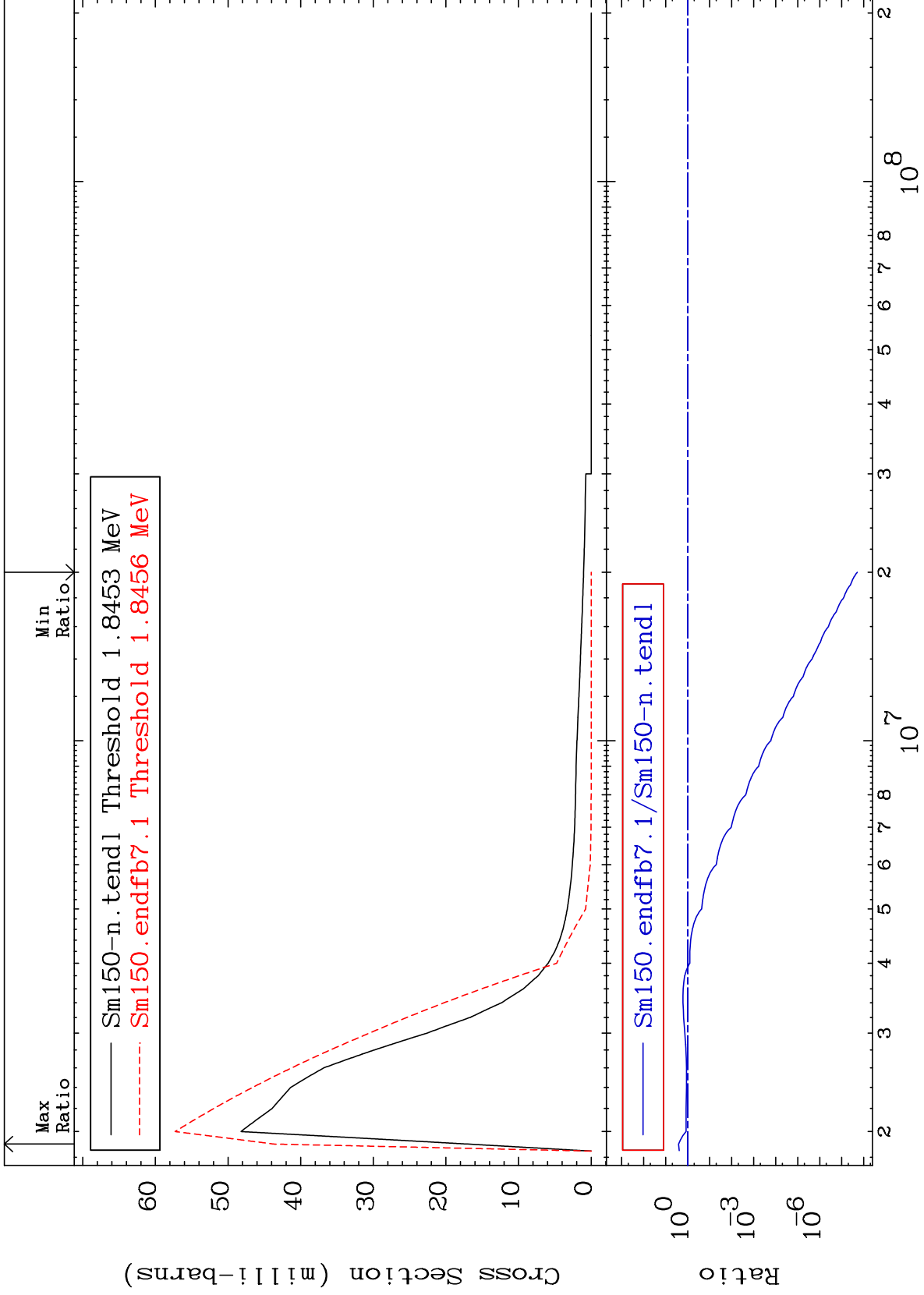
62-Sm-150
-100.0 To 634.3 %



MAT 6243

1.833 MeV (n,n') Level
Cross Section

62-Sm-150
-100.0 To 156.6 %



37

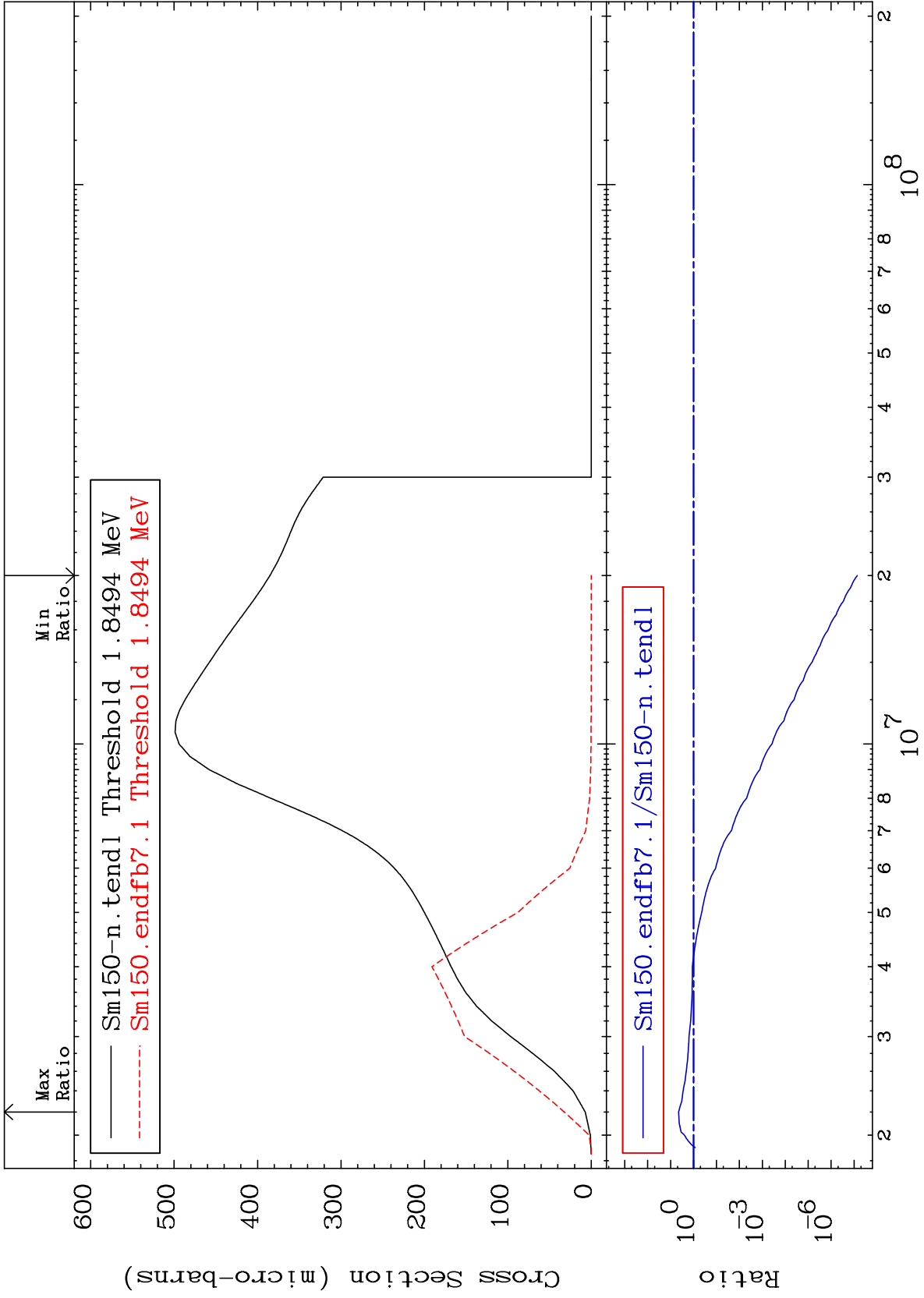
Incident Energy (eV)

62-Sm-150

MAT 6243

1.837 MeV (n,n') Level
Cross Section

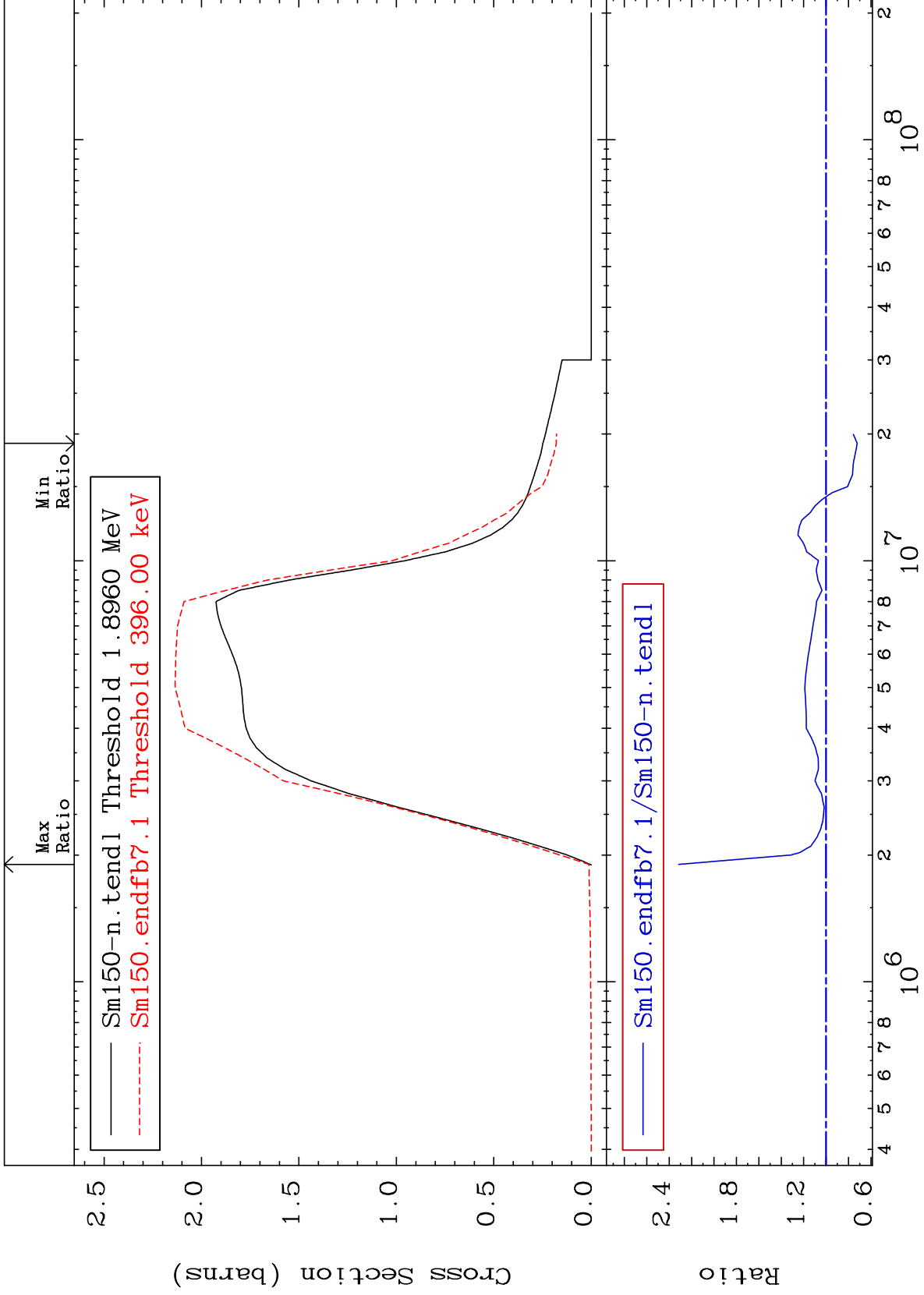
62-Sm-150
-100.0 To 346.5 %



MAT 6243

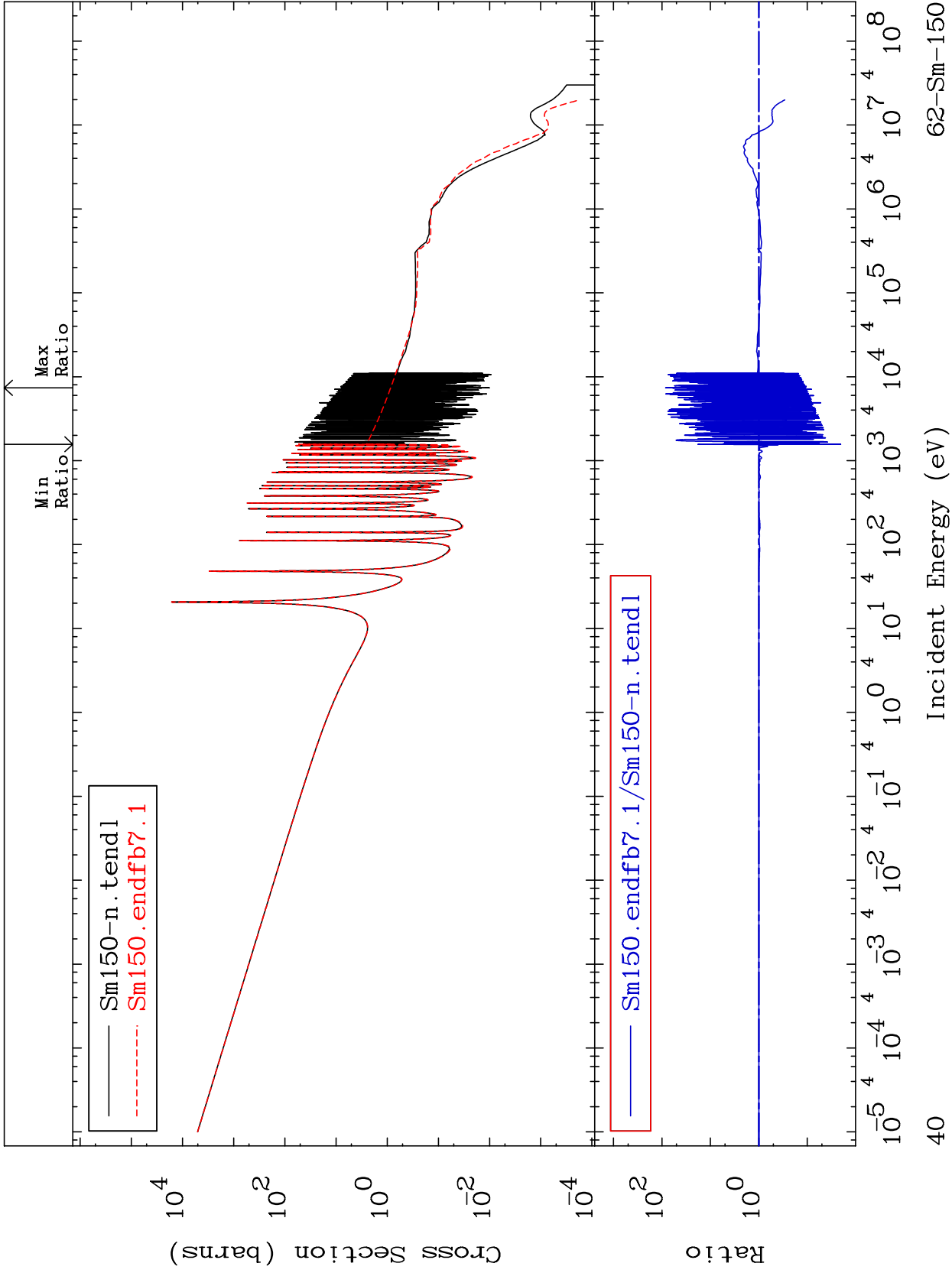
(n, n') Continuum
Cross Section

62-Sm-150
-27.83 To 131.6 %



MAT 6243

(n, γ)
Cross Section
62-Sm-150
-97.96 To 8348. %



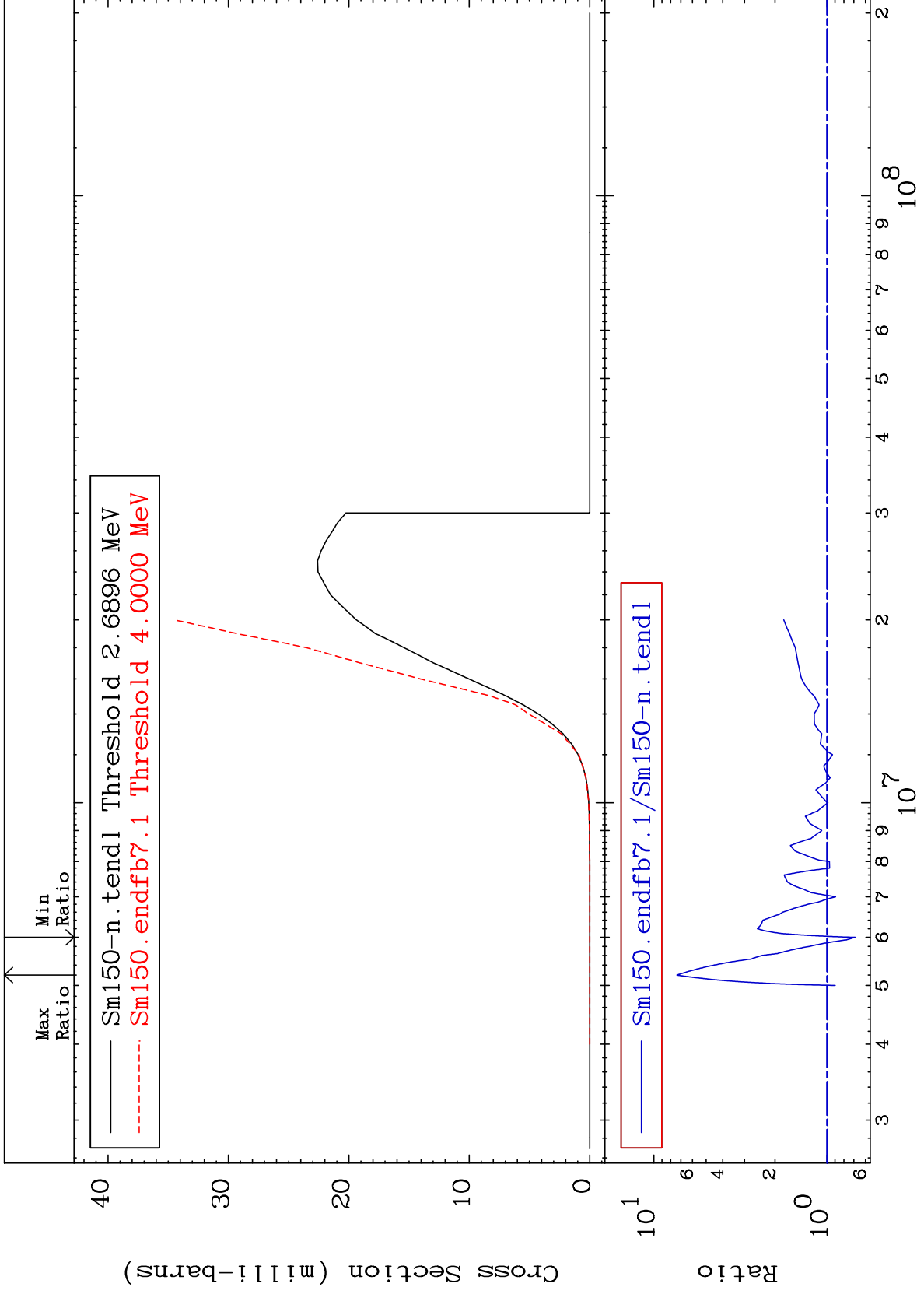
MAT 6243

(n,p)

62-Sm-150

Cross Section

-31.13 To 636.6 %



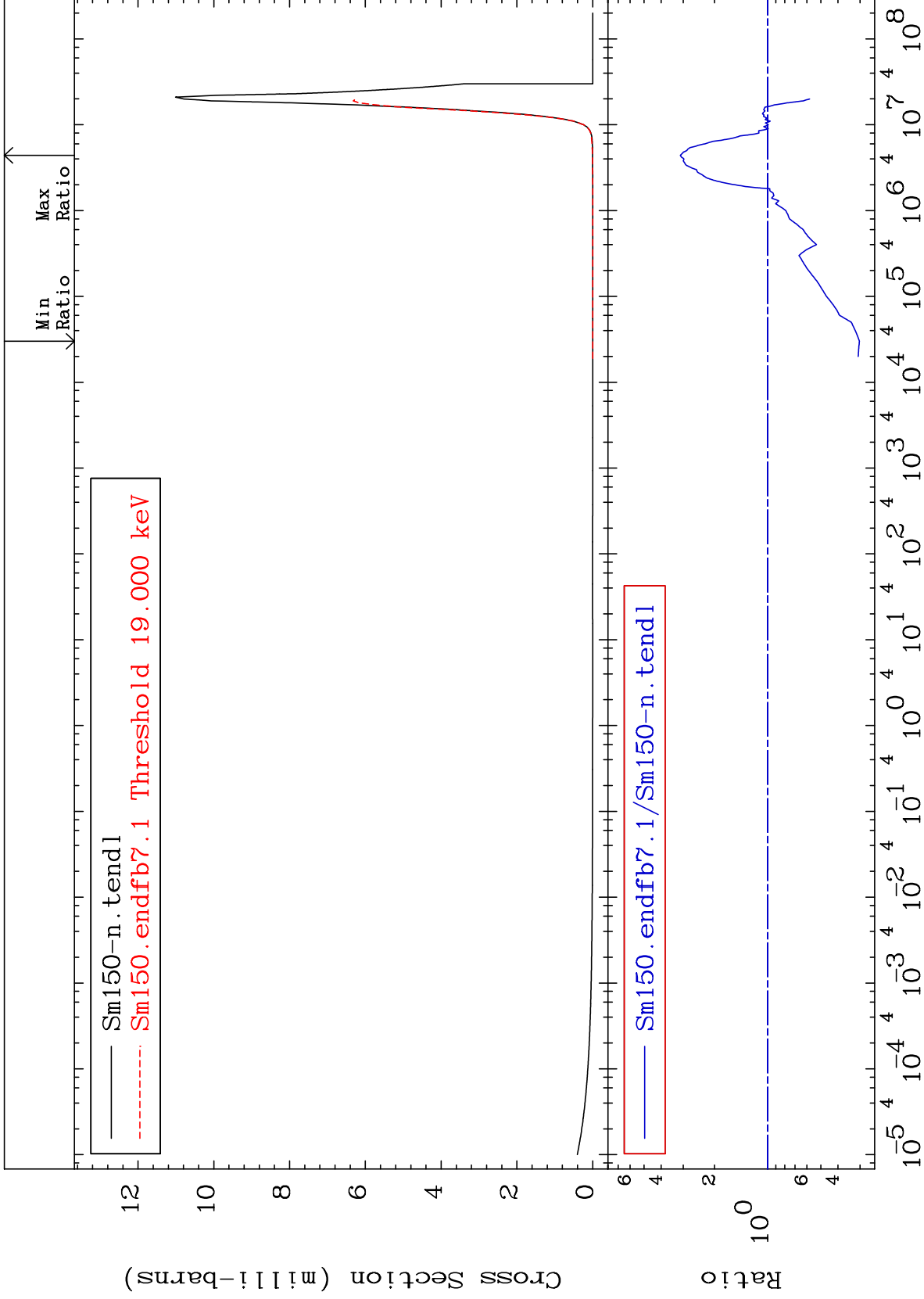
MAT 6243

(n, α)

62-Sm-150

Cross Section

-69.74 To 211.6 %



Incident Energy (eV)

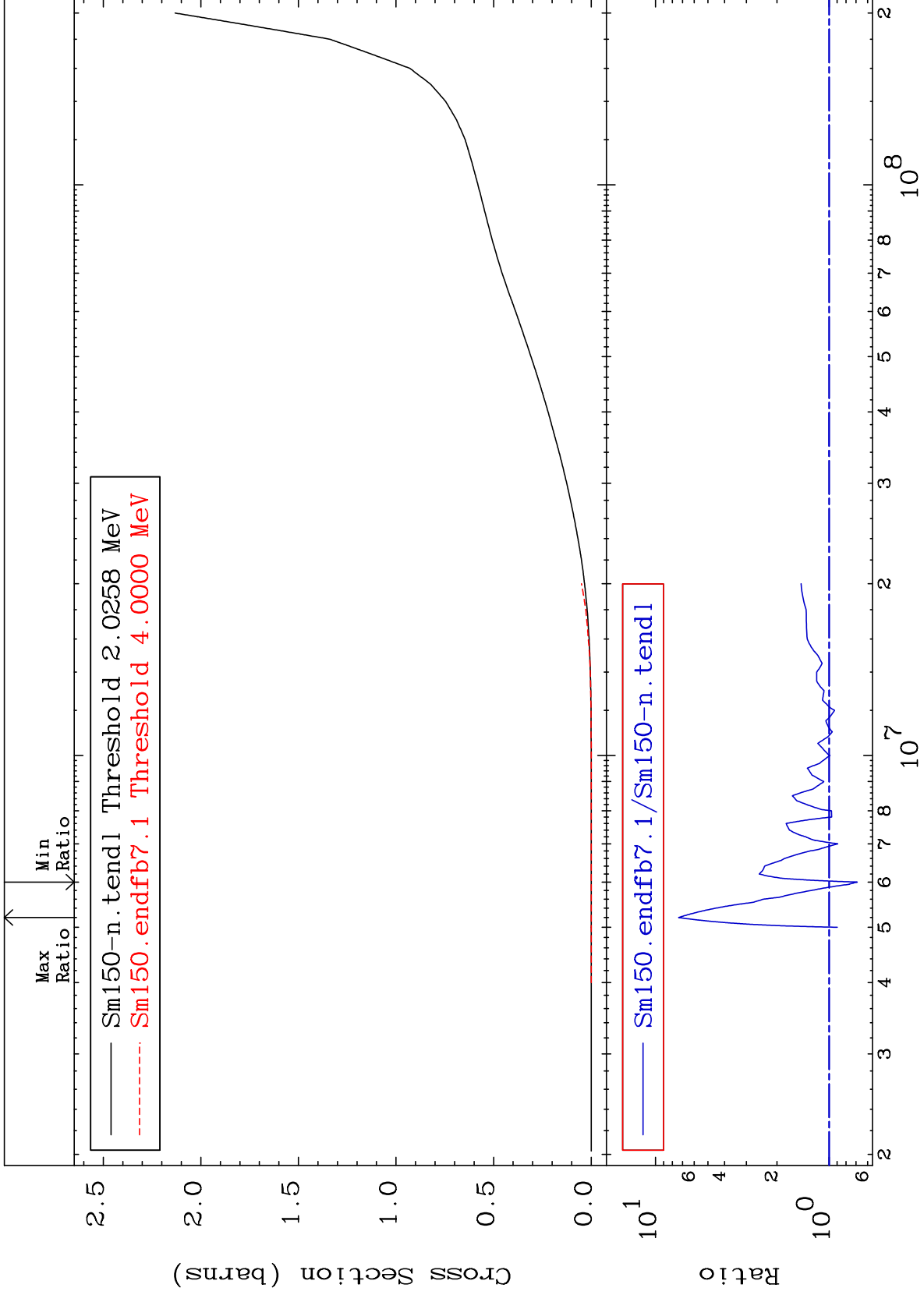
62-Sm-150

42

MAT 6243

Hydrogen Production
Cross Section

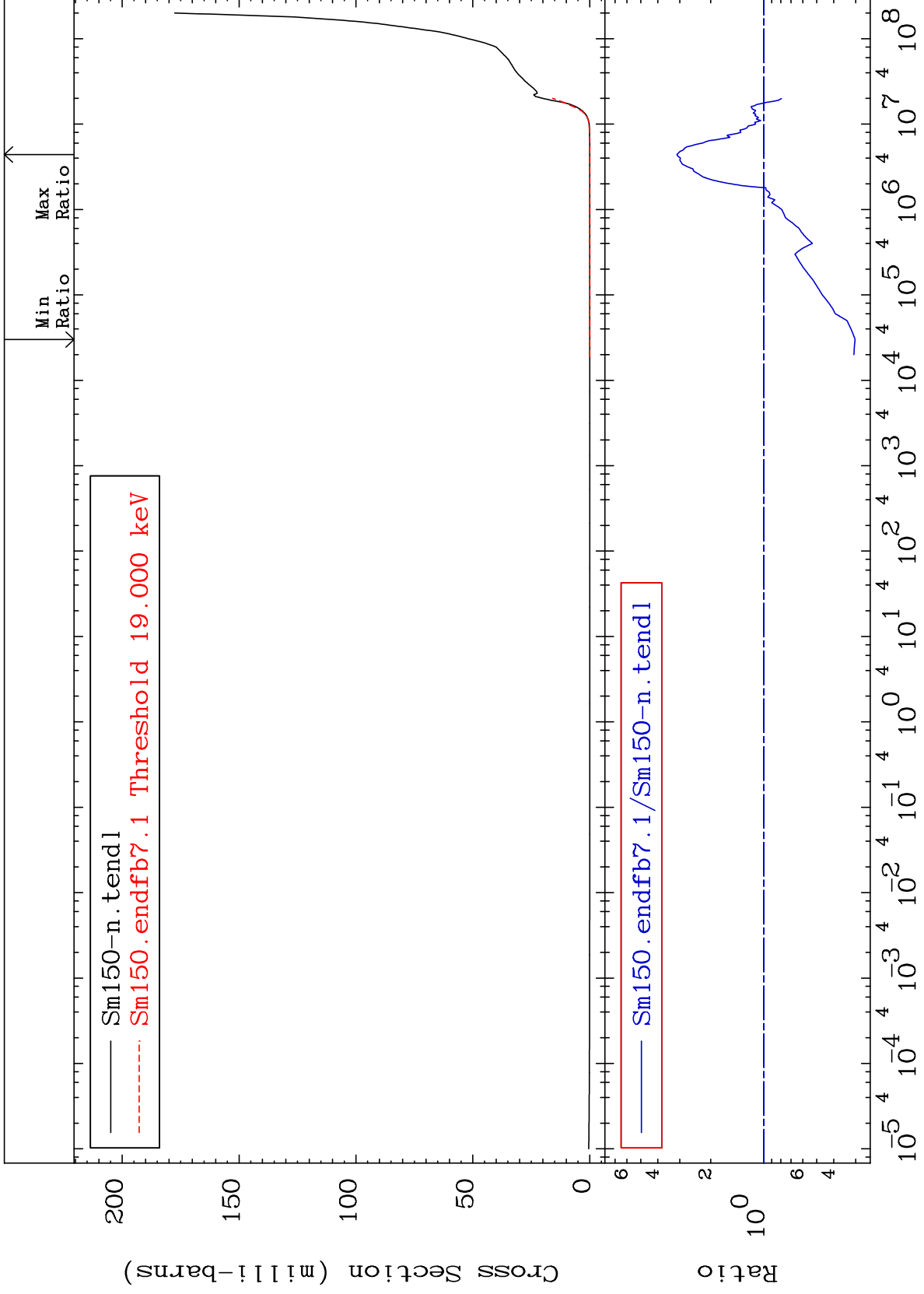
62-Sm-150
-31.13 To 636.6 %



MAT 6243

He-4 Production
Cross Section

62-Sm-150
-69.74 To 211.4 %



Incident Energy (eV)

62-Sm-150

44

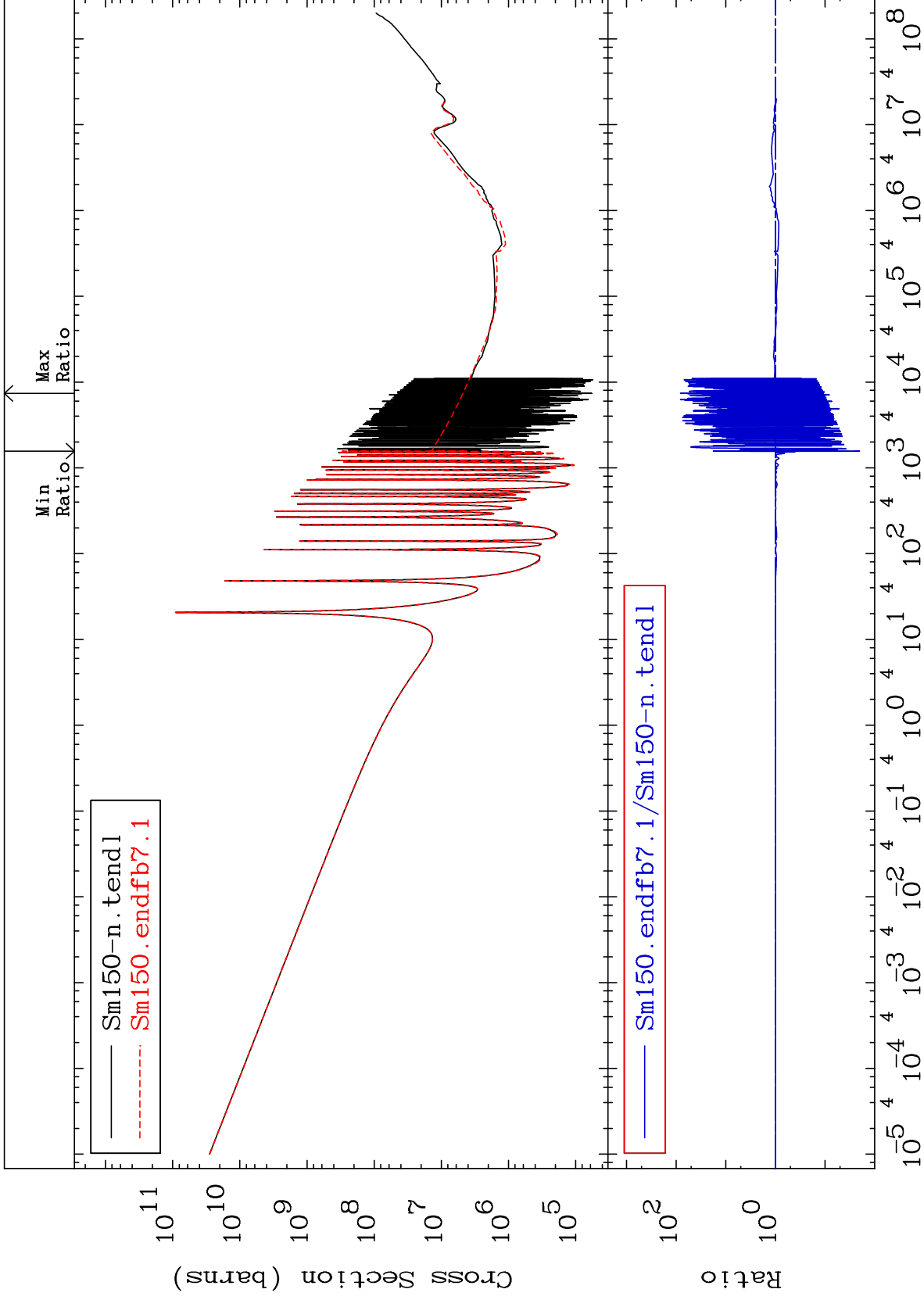
MAT 6243

Kerma total (eV-barns)

62-Sm-150

Cross Section

-97.97 To 8160. %



45

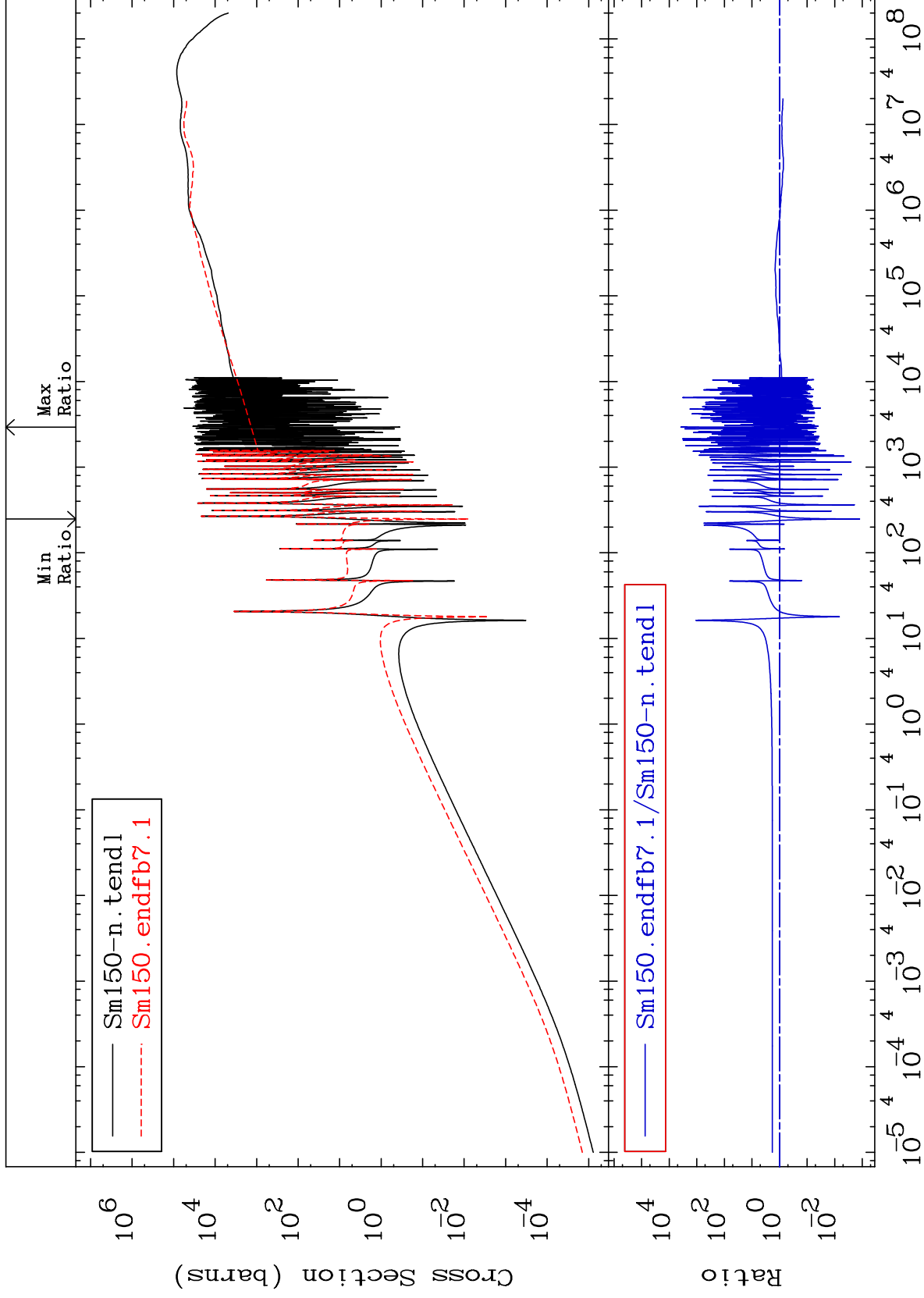
Incident Energy (eV)

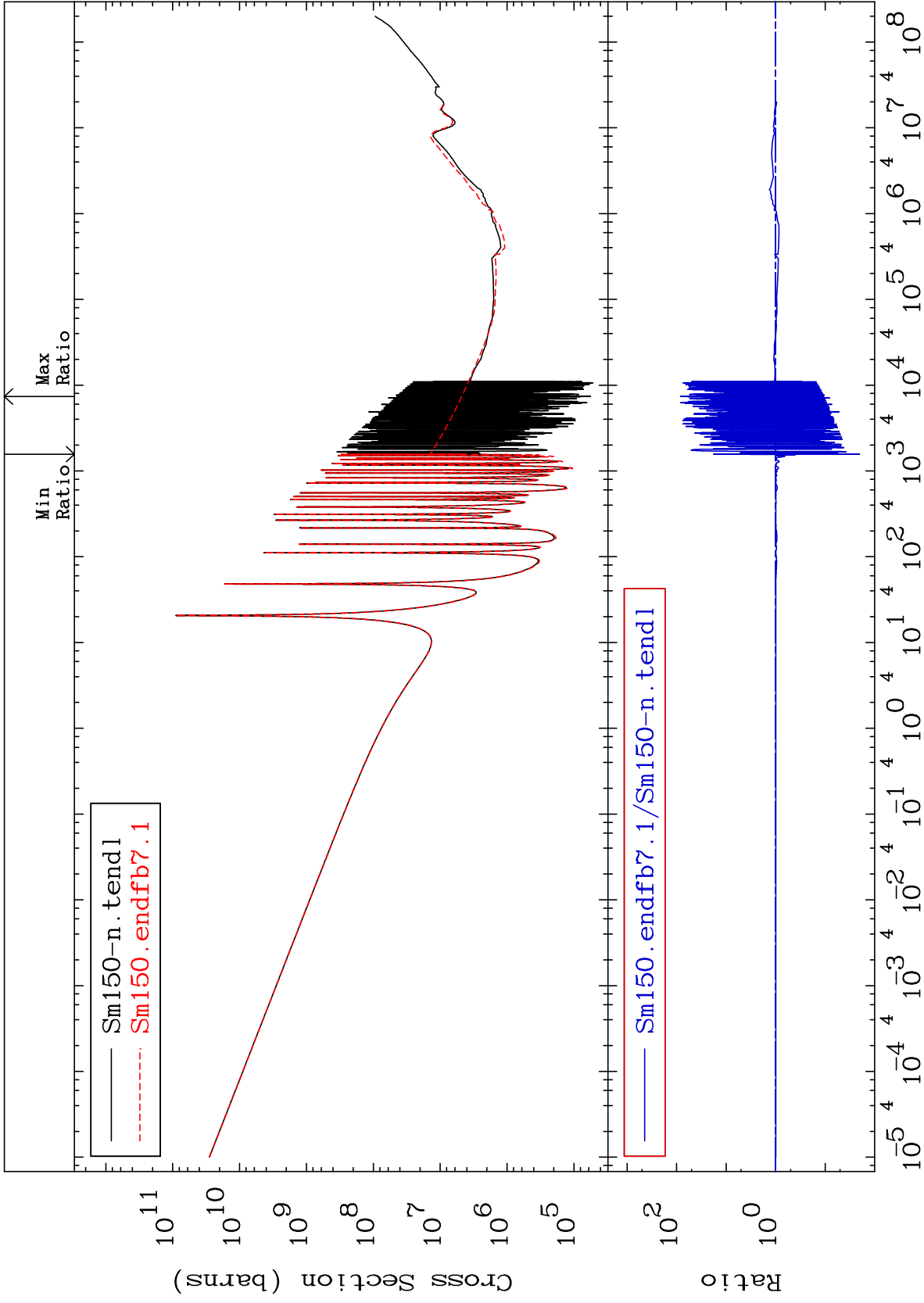
62-Sm-150

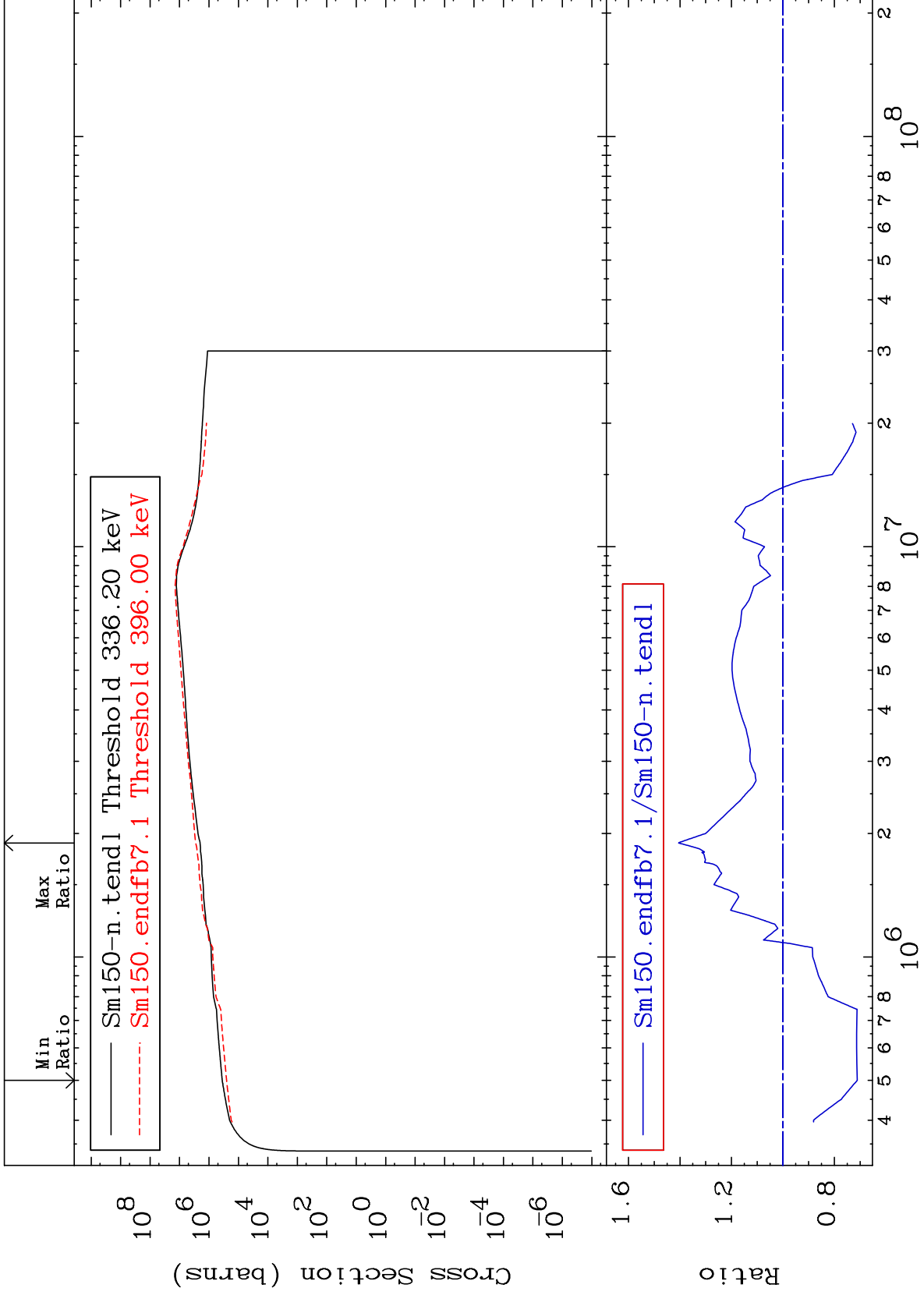
MAT 6243

Kerma elastic
Cross Section

62-Sm-150
-99.87 To 9999. %



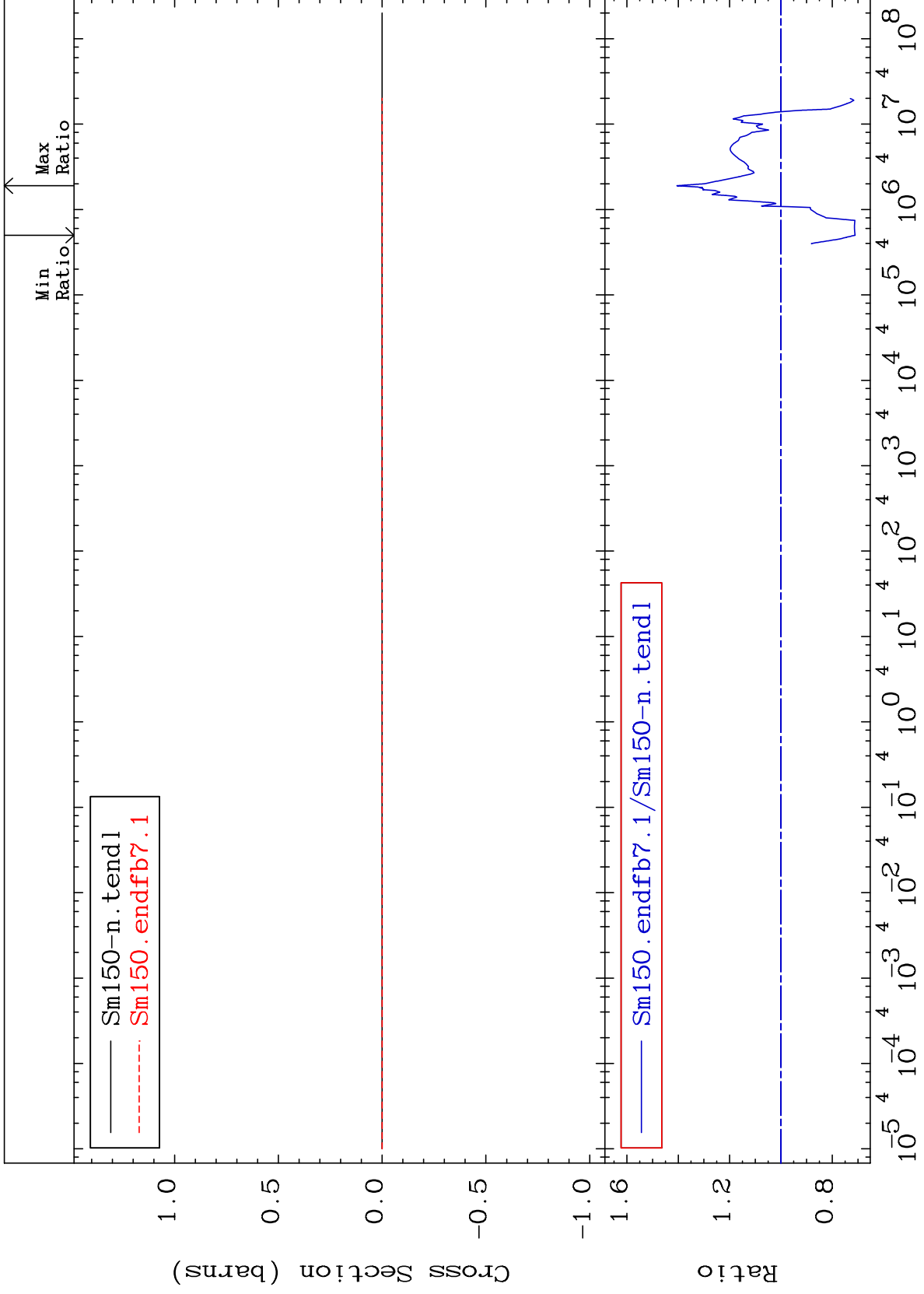




MAT 6243

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

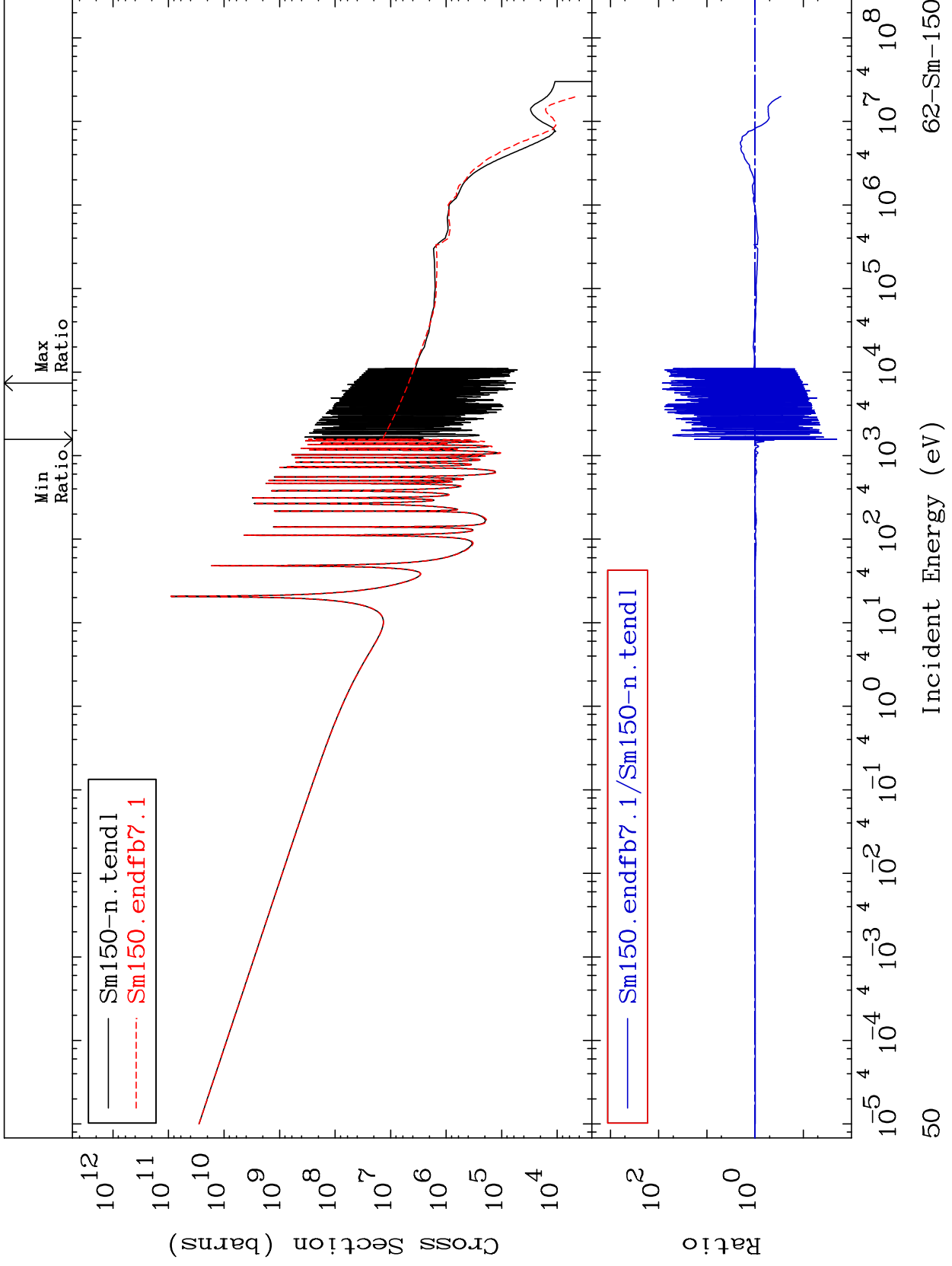
62-Sm-150
-28.91 To 40.52 %



MAT 6243

Kerma capture (mt102)
Cross Section

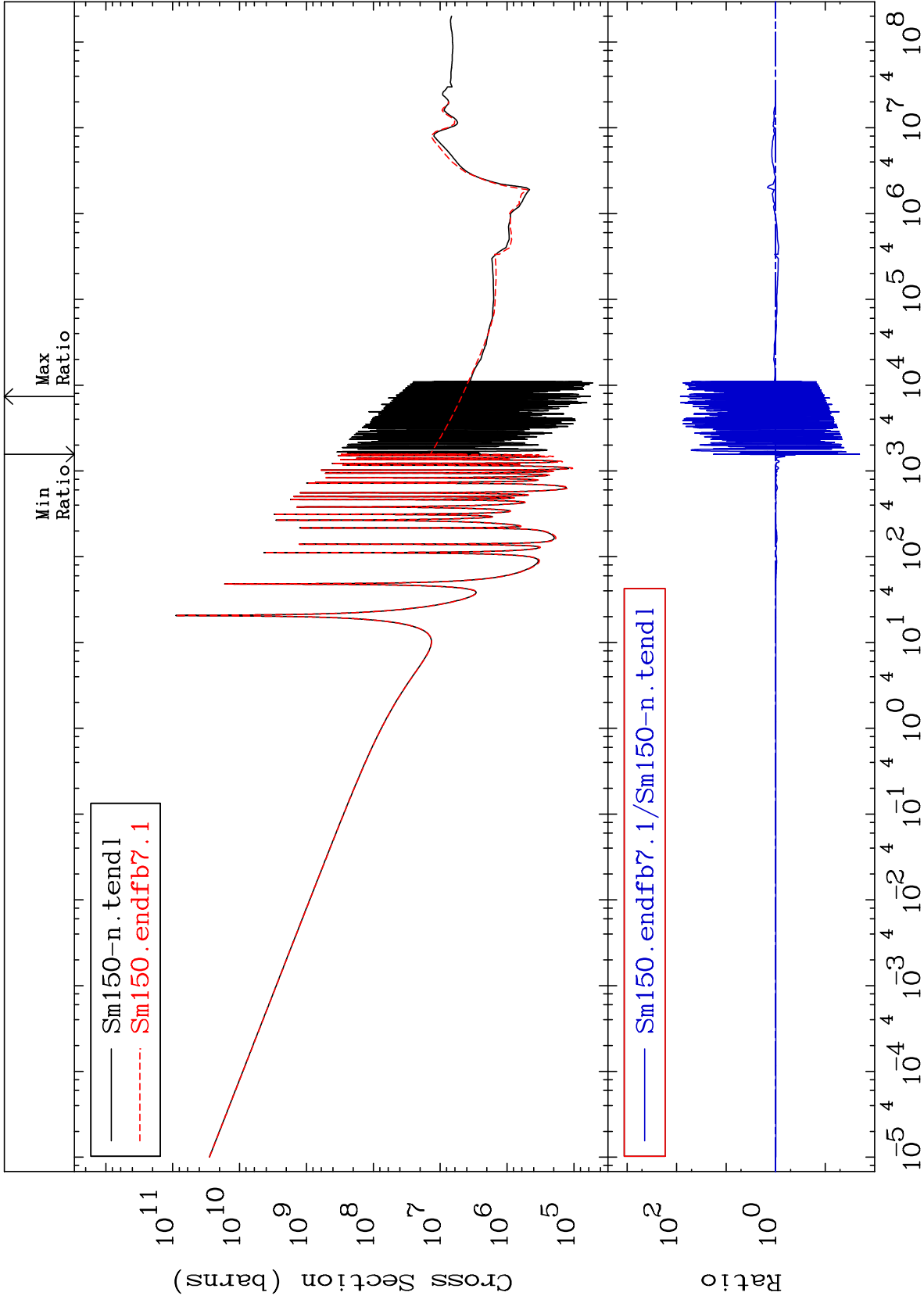
62-Sm-150
-97.97 To 8315. %



MAT 6243

Total photon (eV-barns)
Cross Section

62-Sm-150
-97.97 To 8315. %



51

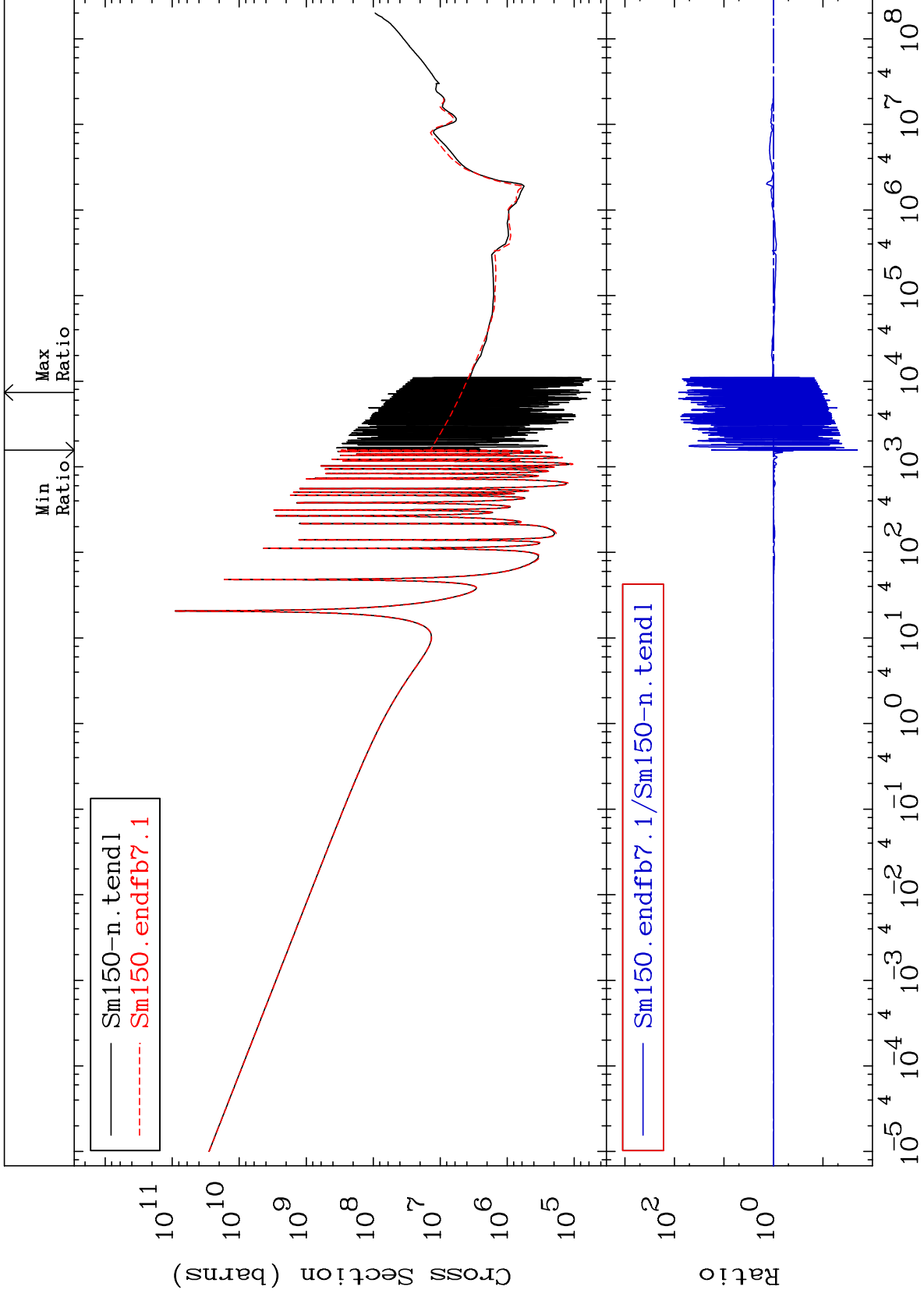
Incident Energy (eV)

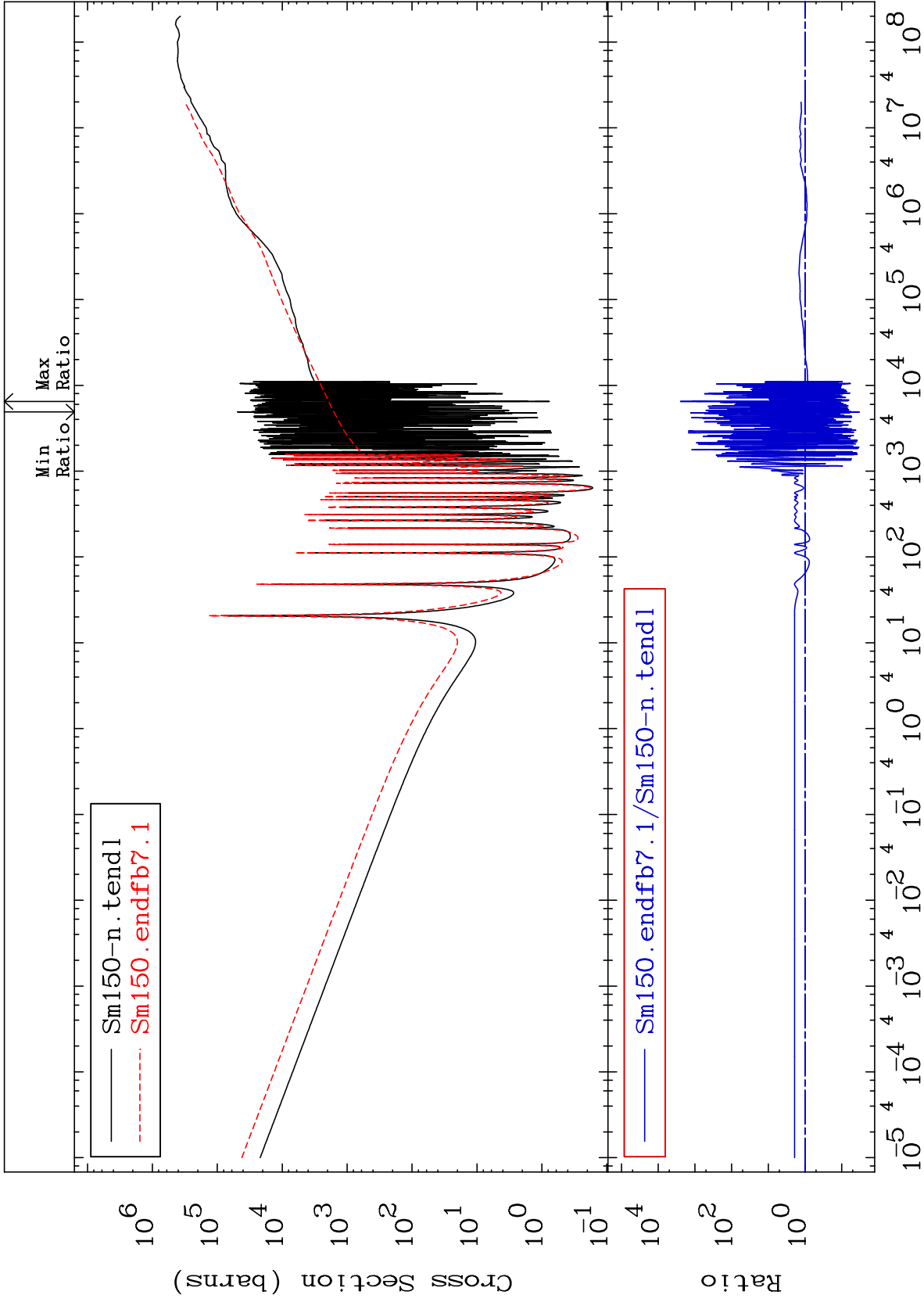
62-Sm-150

MAT 6243

Total kinematic kerma (high limit)
Cross Section

62-Sm-150
-97.97 To 8160. %

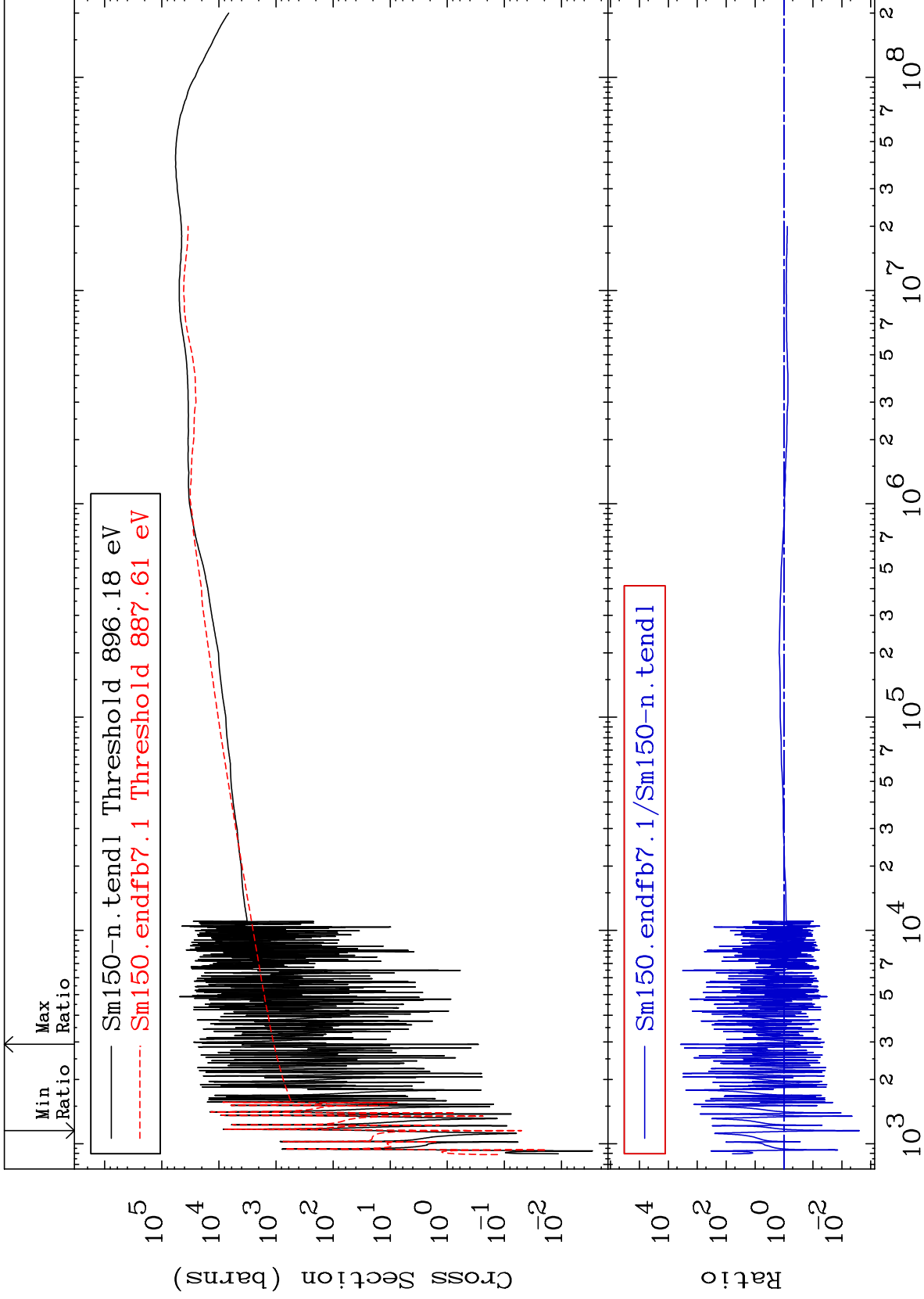




MAT 6243

Dpa elastic (mt2)
Cross Section

62-Sm-150
-99.75 To 9999. %



MAT 6243

Dpa inelastic (mt51-91)
Cross Section

62-Sm-150
-30.42 To 159.1 %

