

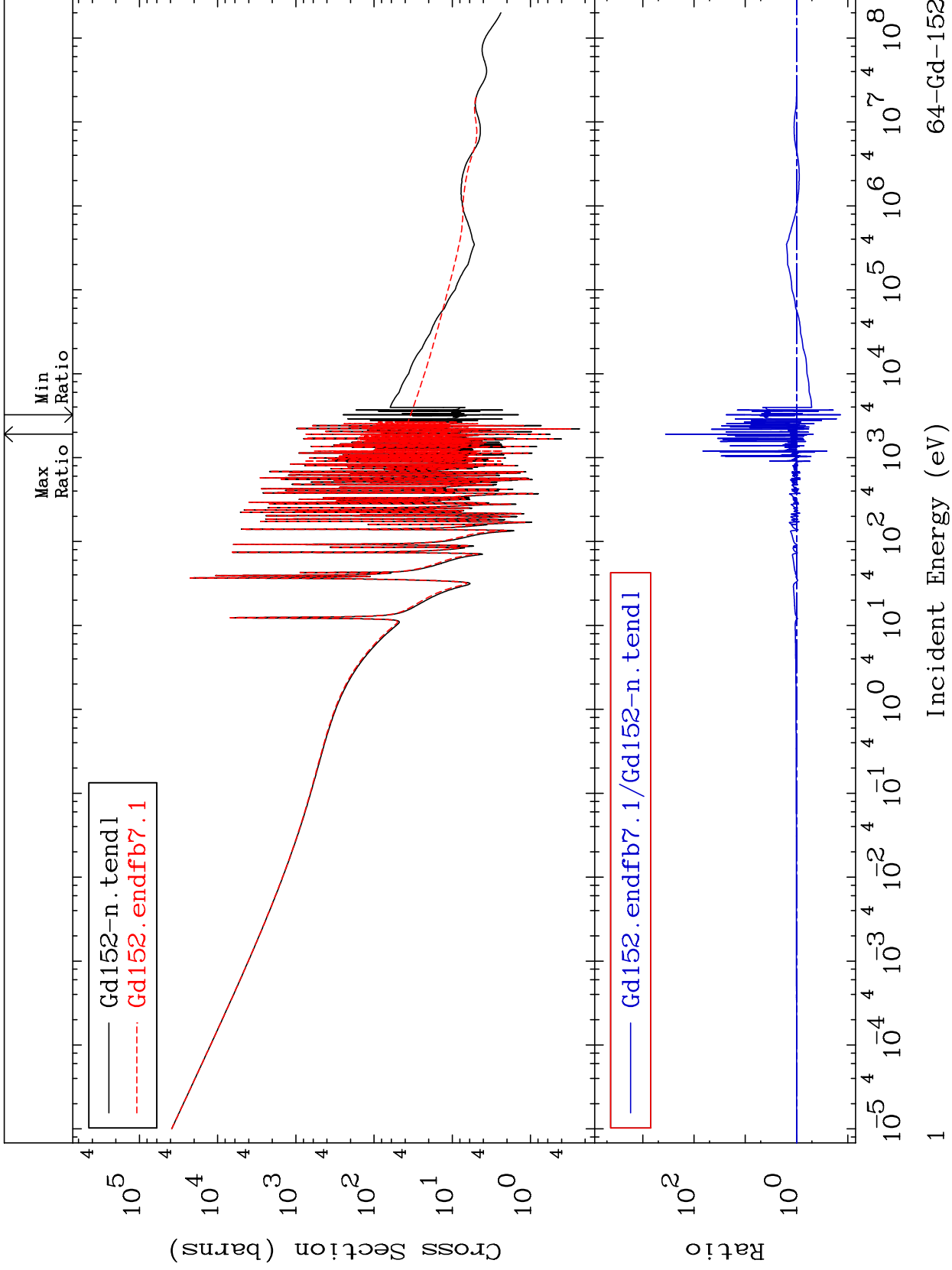
MAT 6425

Total

64-Gd-152

Cross Section

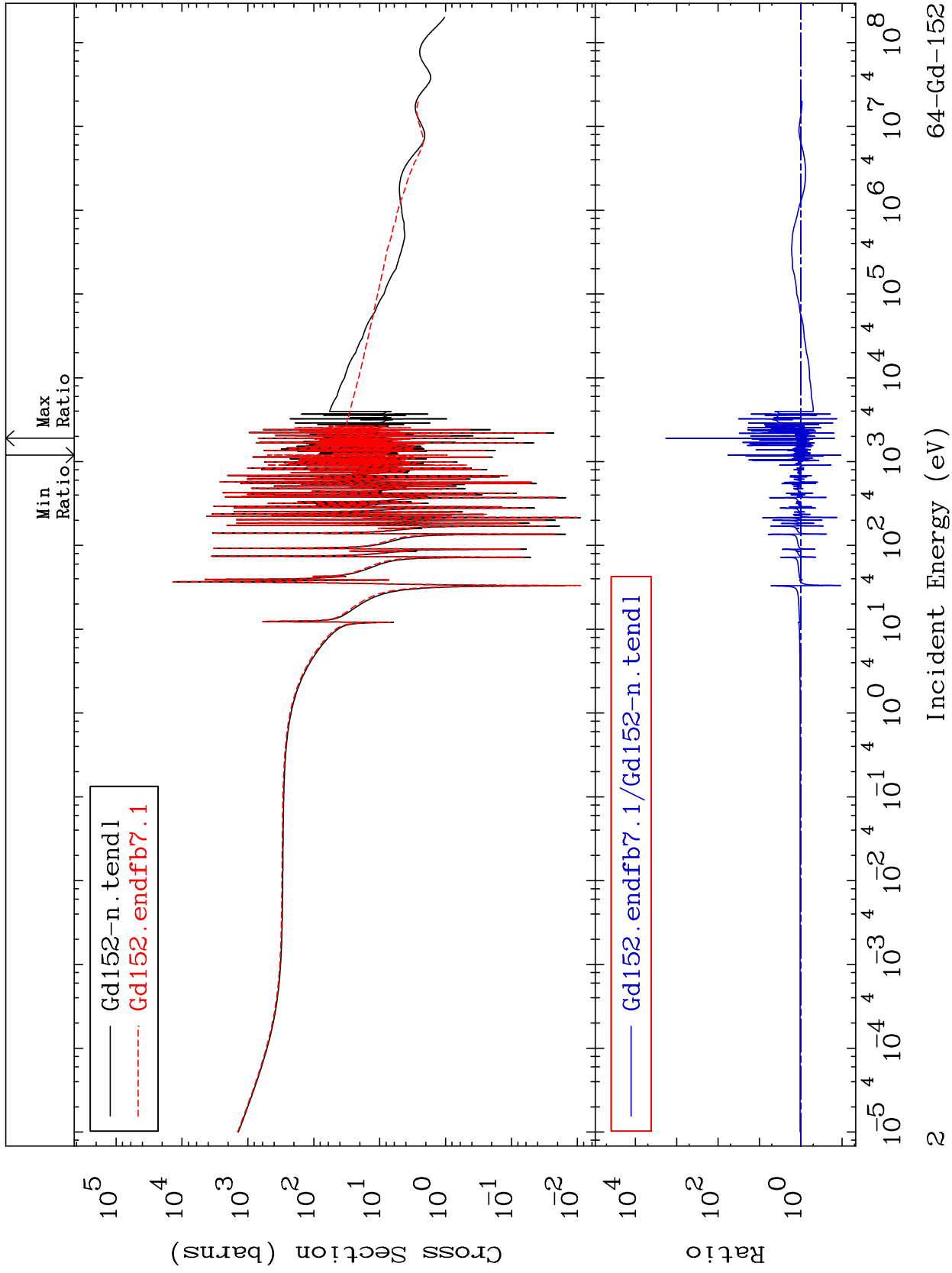
-86.24 To 9999. %



MAT 6425

Elastic
Cross Section

64-Gd-152
-89.32 To 9999. %

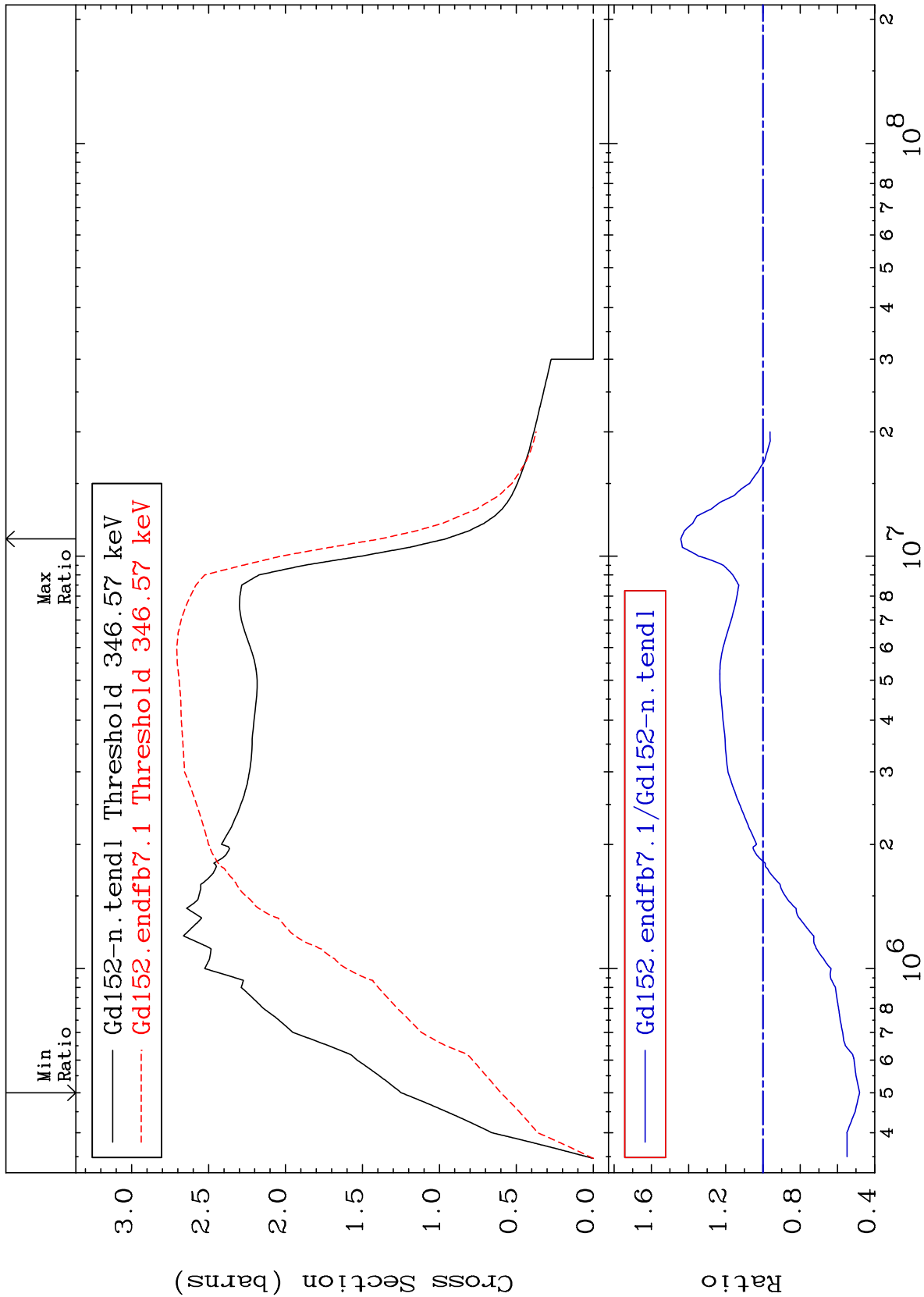


2

Incident Energy (eV)

64-Gd-152

MAT 6425 Inelastic 64-Gd-152
Cross Section -51.86 To 44.18 %



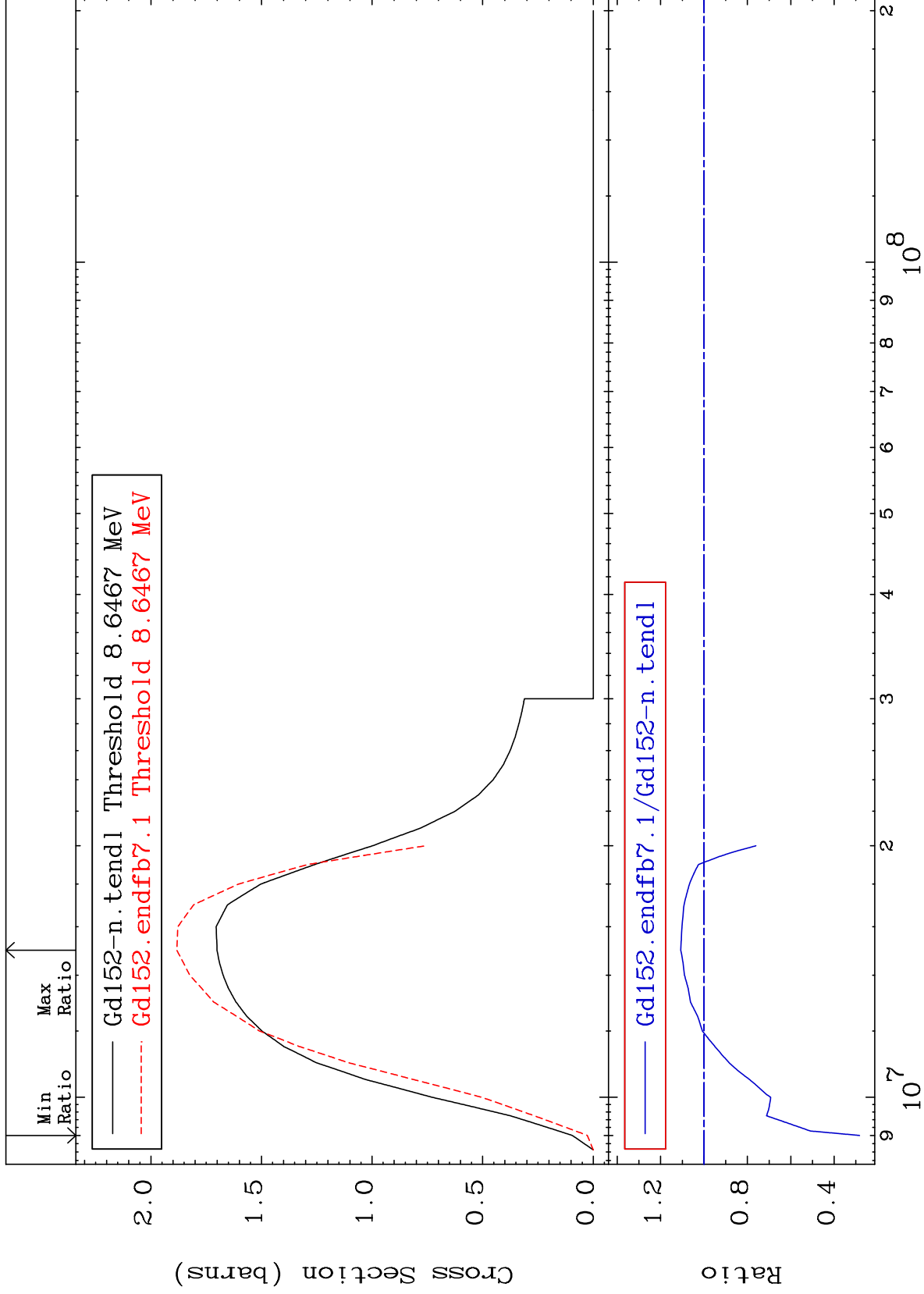
MAT 6425

(n,2n)

64-Gd-152

Cross Section

-71.69 To 10.72 %



64-Gd-152

4

MAT 6425

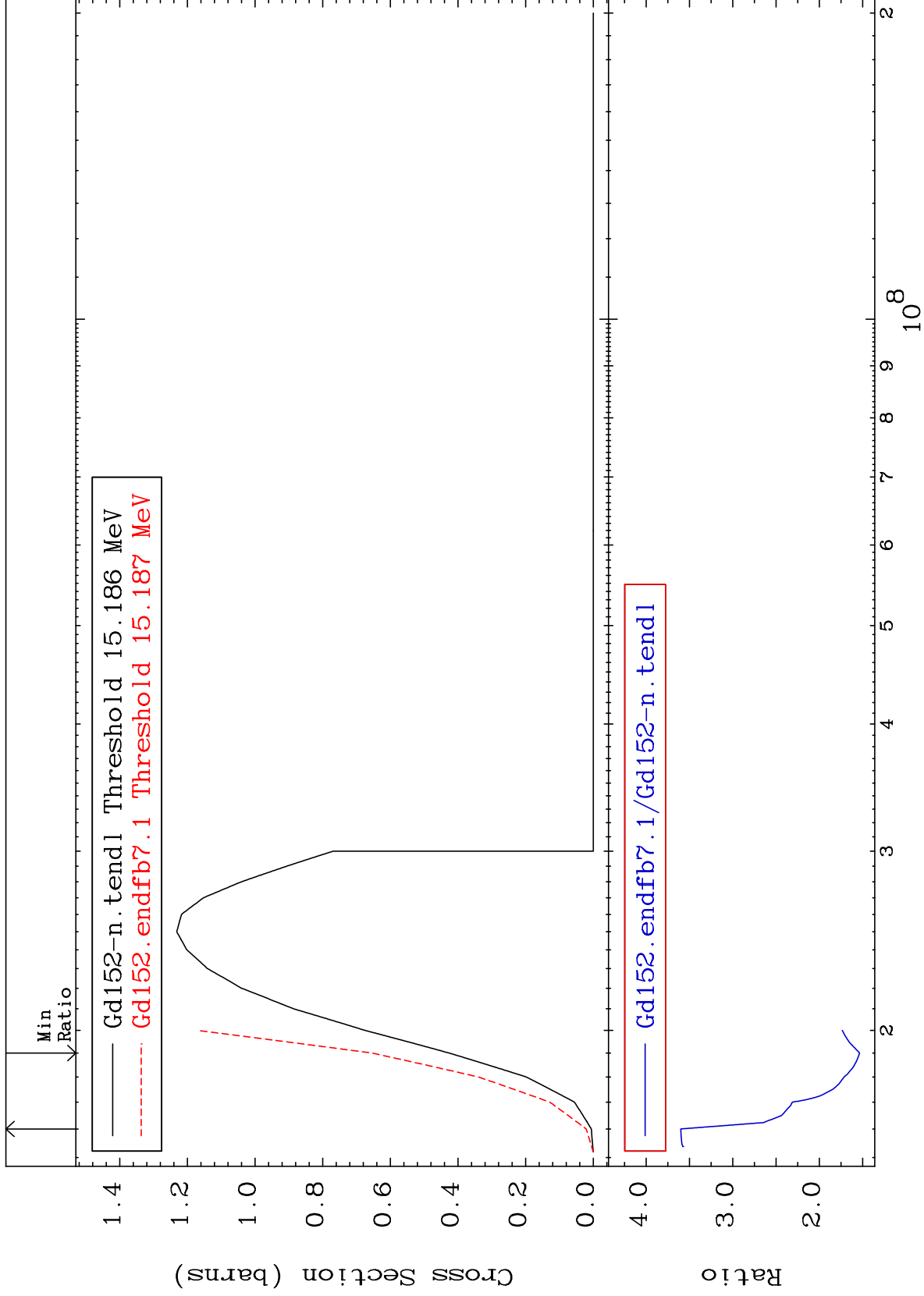
(n,3n)

64-Gd-152

Cross Section

53.53

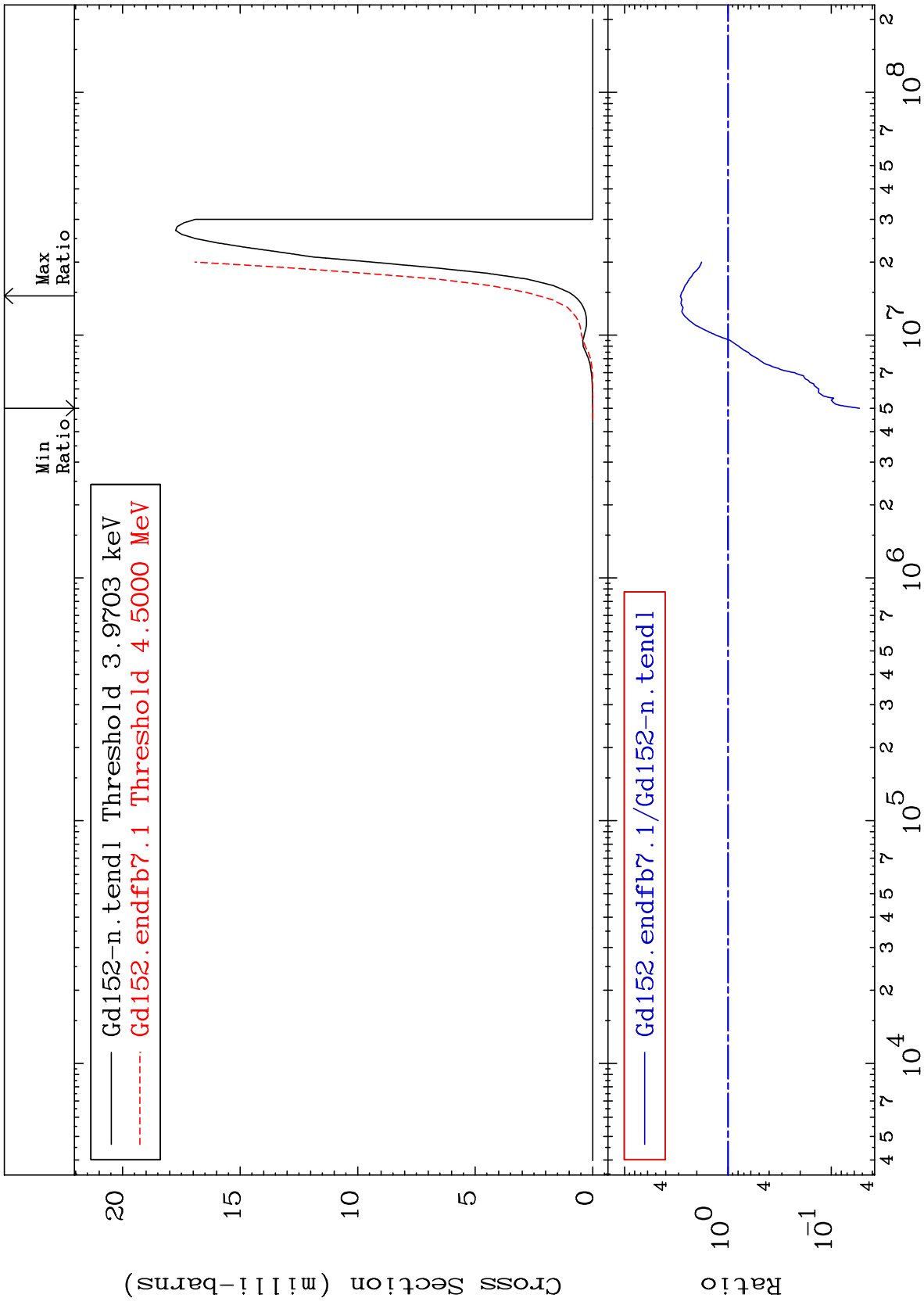
To 260.1 %



MAT 6425

(n, n') α
Cross Section

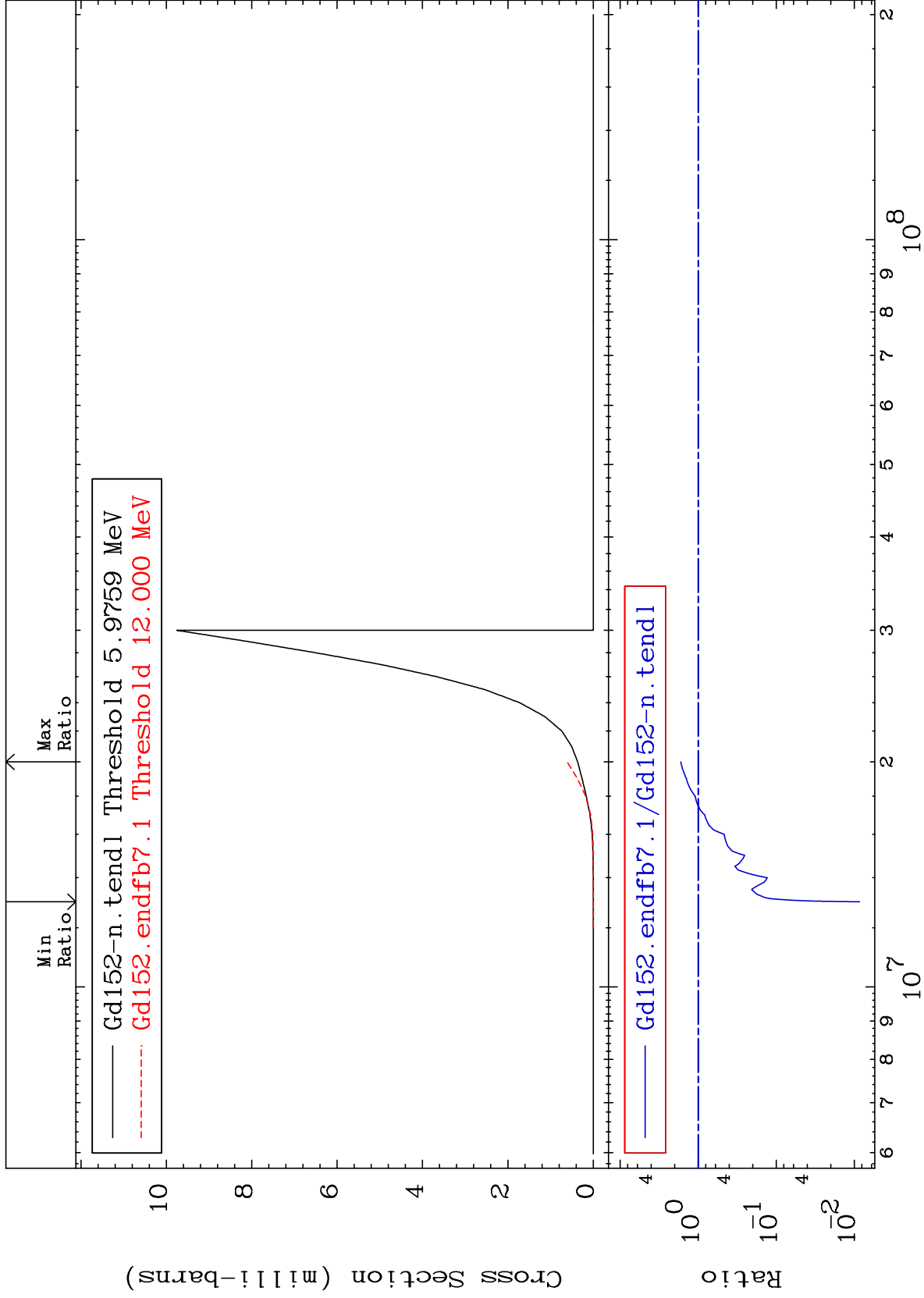
64-Gd-152
-94.67 To 189.1 %



MAT 6425

(n,2n) α
Cross Section

64-Gd-152
-99.14 To 67.16 %



7

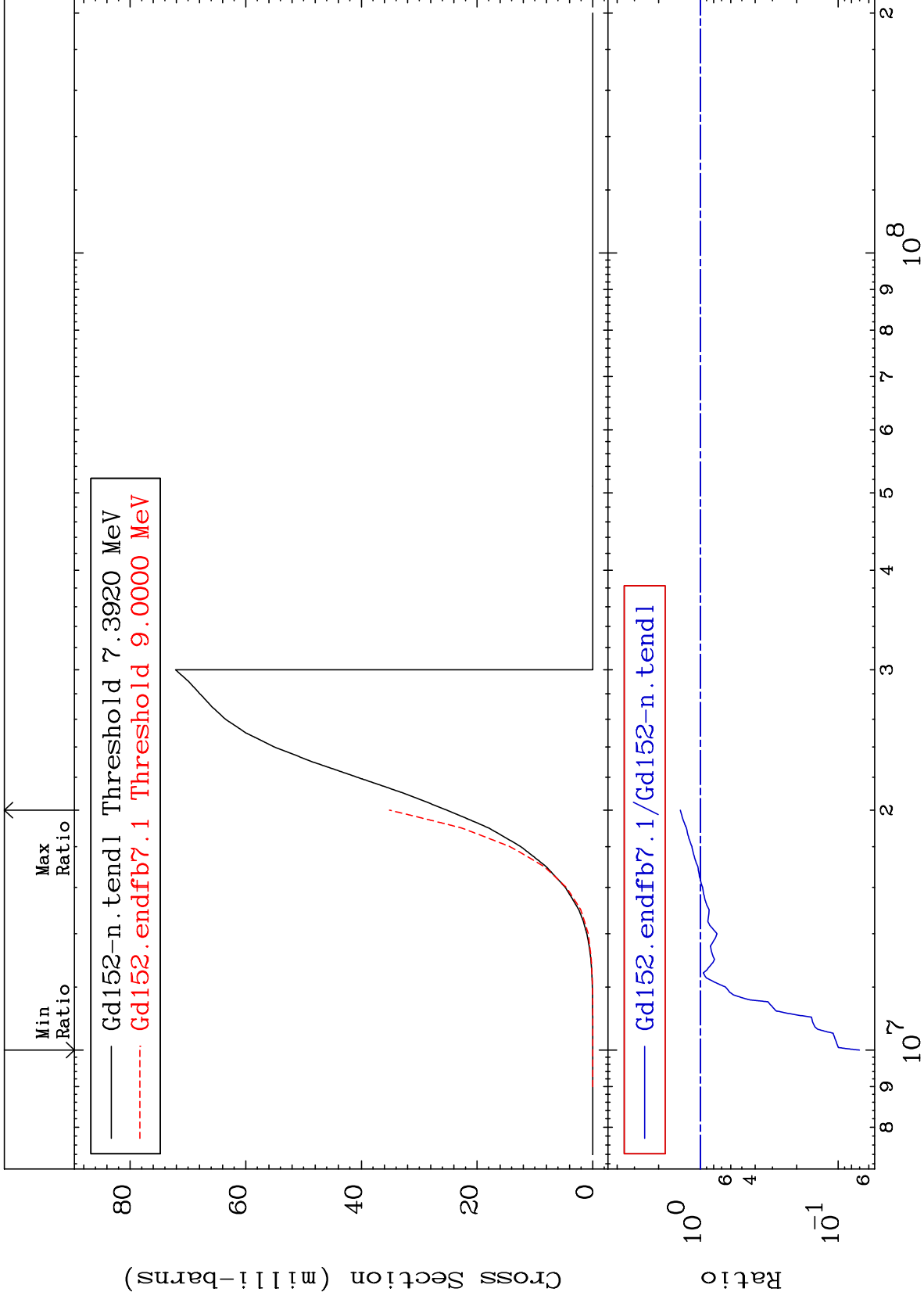
64-Gd-152

64-Gd-152

MAT 6425

(n,n') p
Cross Section

64-Gd-152
-92.98 To 39.35 %



8

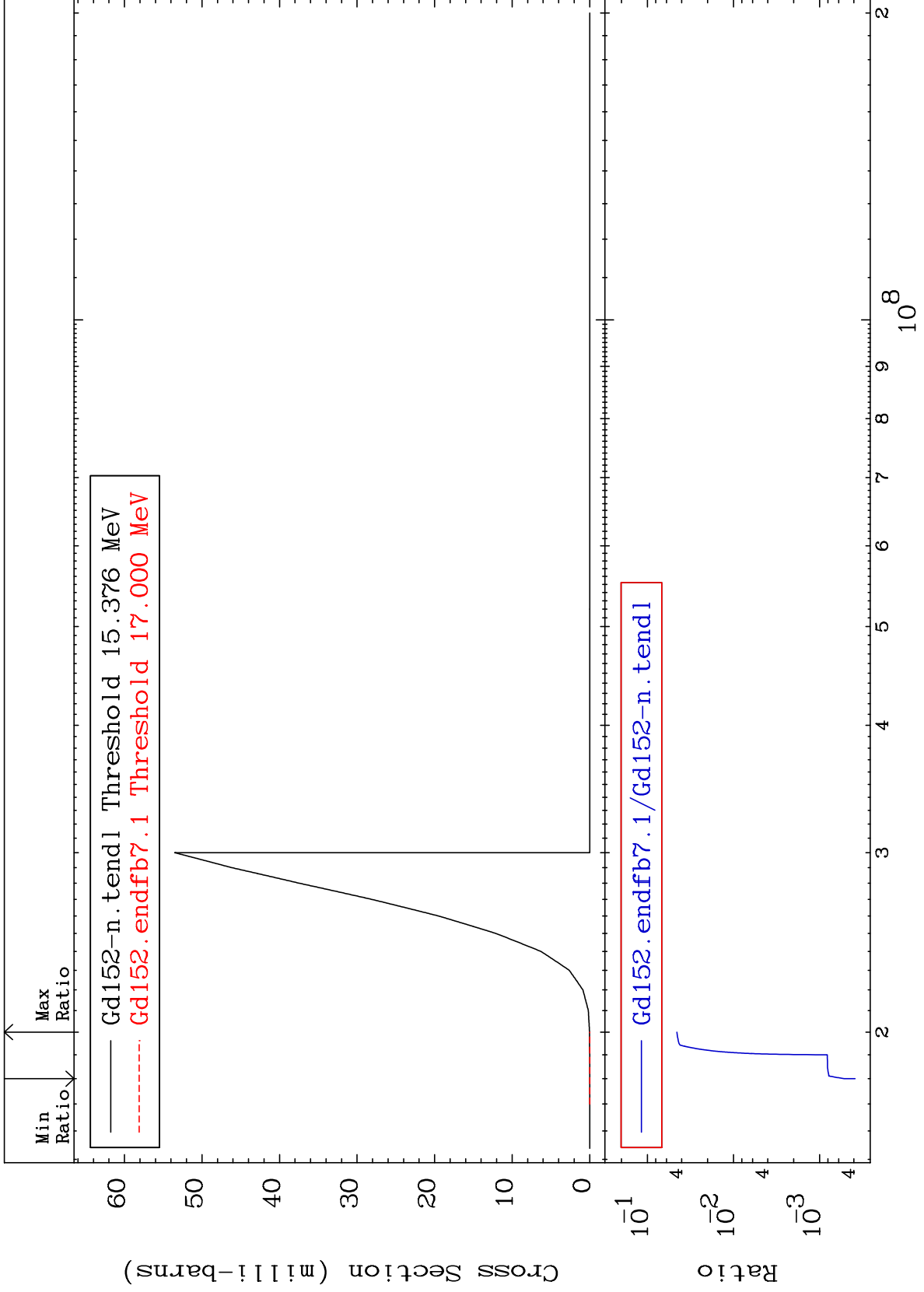
64-Gd-152

64-Gd-152

MAT 6425

(n,2n) p
Cross Section

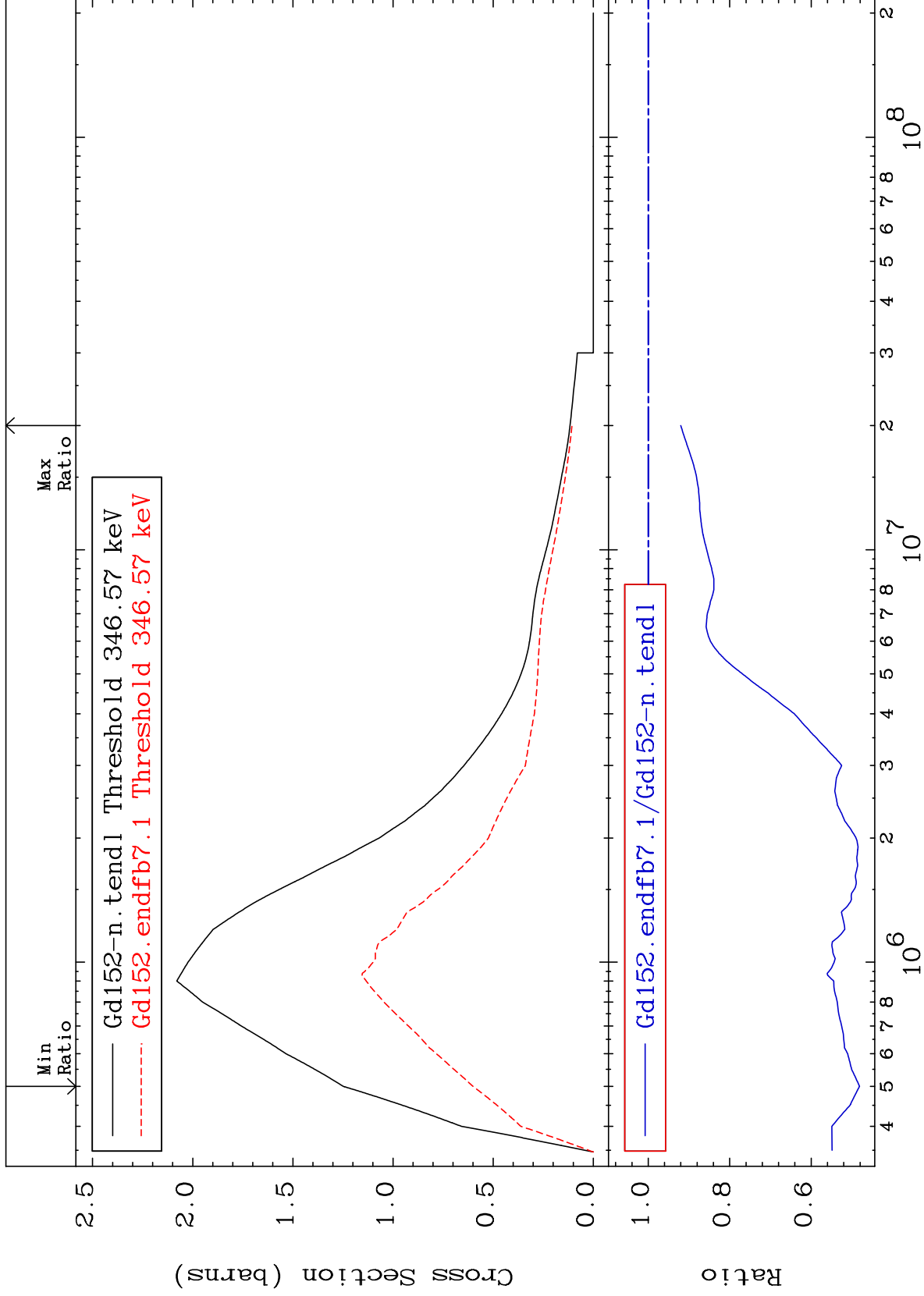
64-Gd-152
-99.96 To -95.45%



MAT 6425

344.3 keV (n,n') Level
Cross Section

64-Gd-152
-51.87 To -7.992%



10

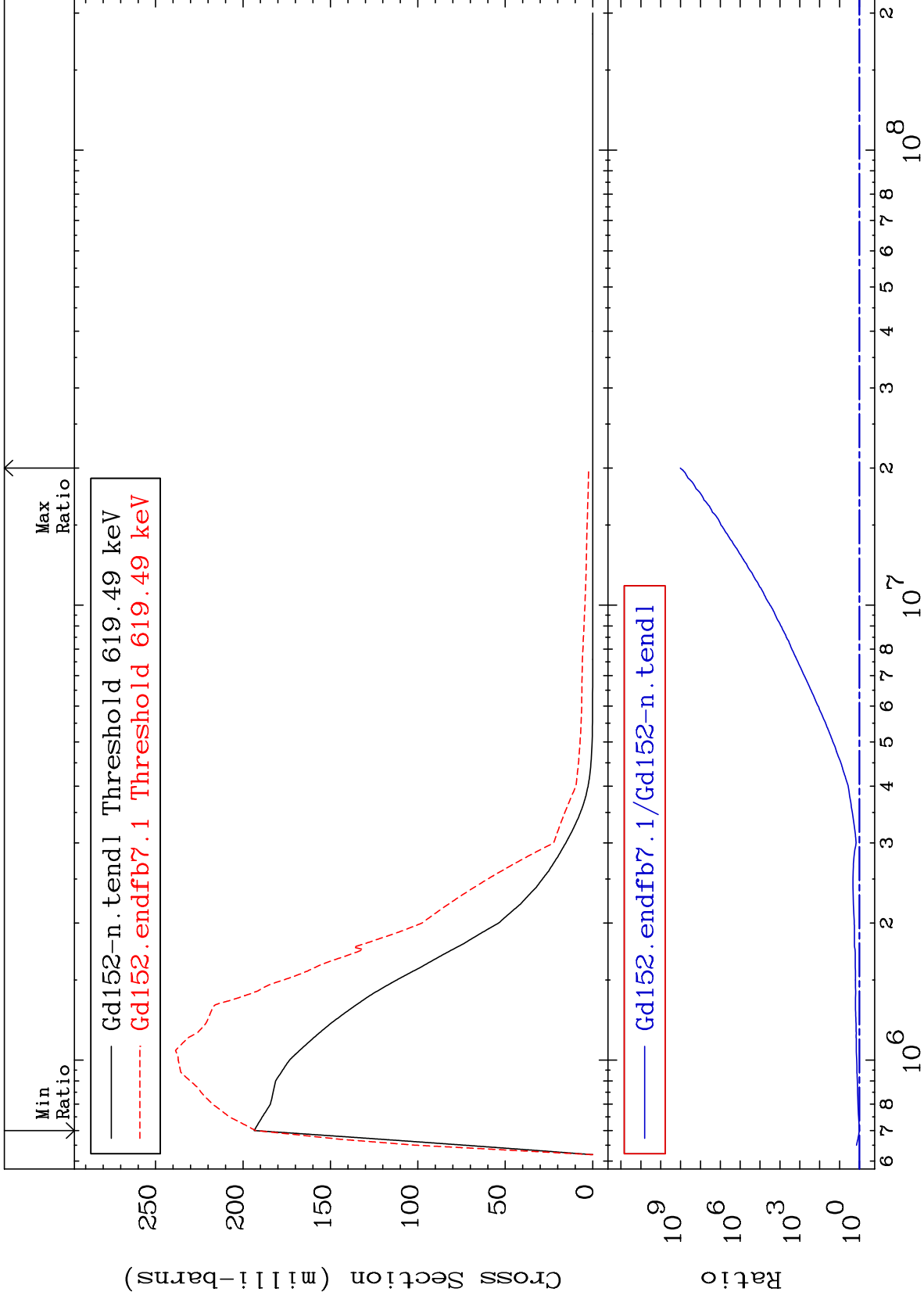
Incident Energy (eV)

64-Gd-152

MAT 6425

615.4 keV (n,n') Level
Cross Section

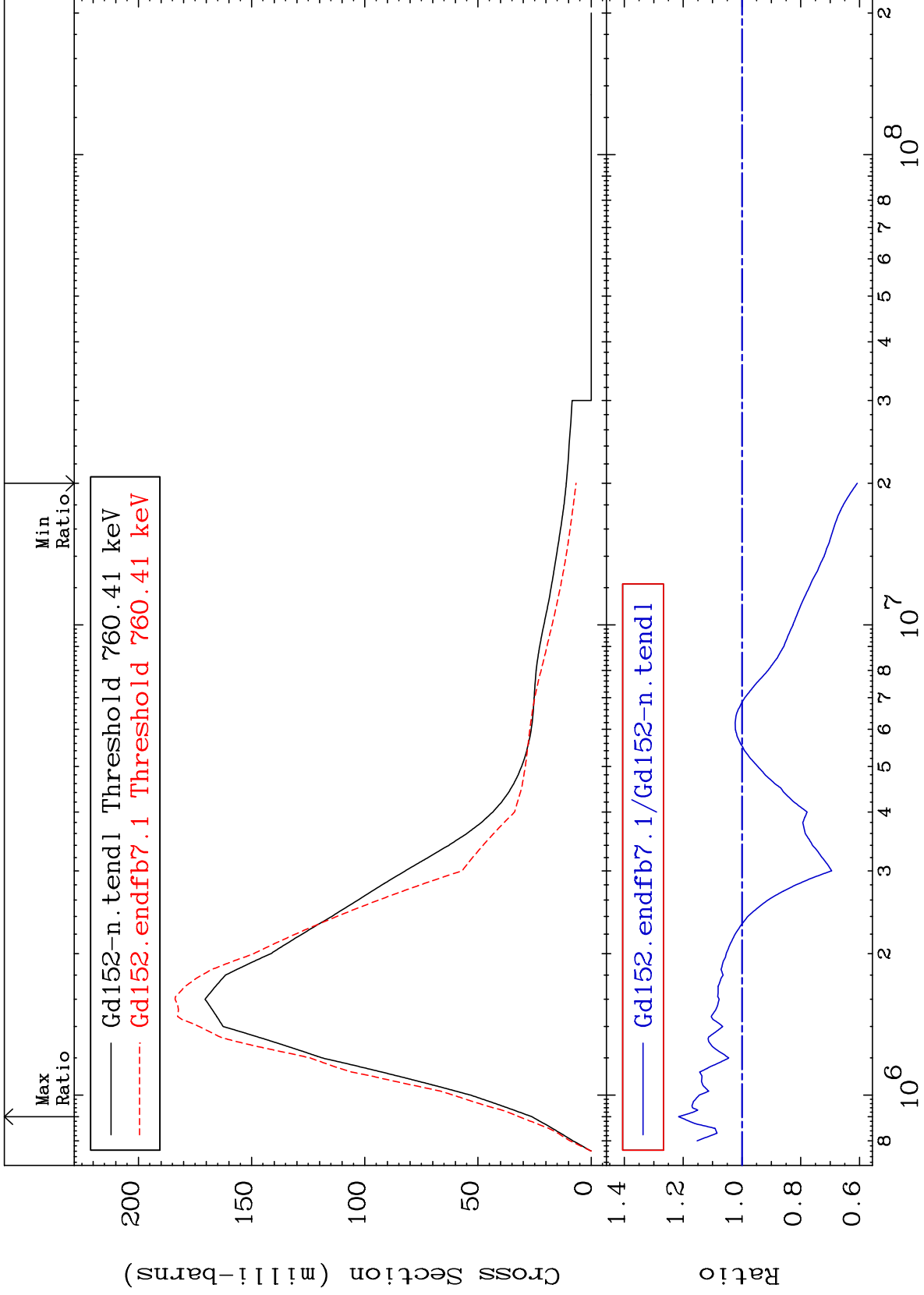
64-Gd-152
-0.406 To 9999. %



MAT 6425

755.4 keV (n,n') Level
Cross Section

64-Gd-152
-39.21 To 21.54 %



12

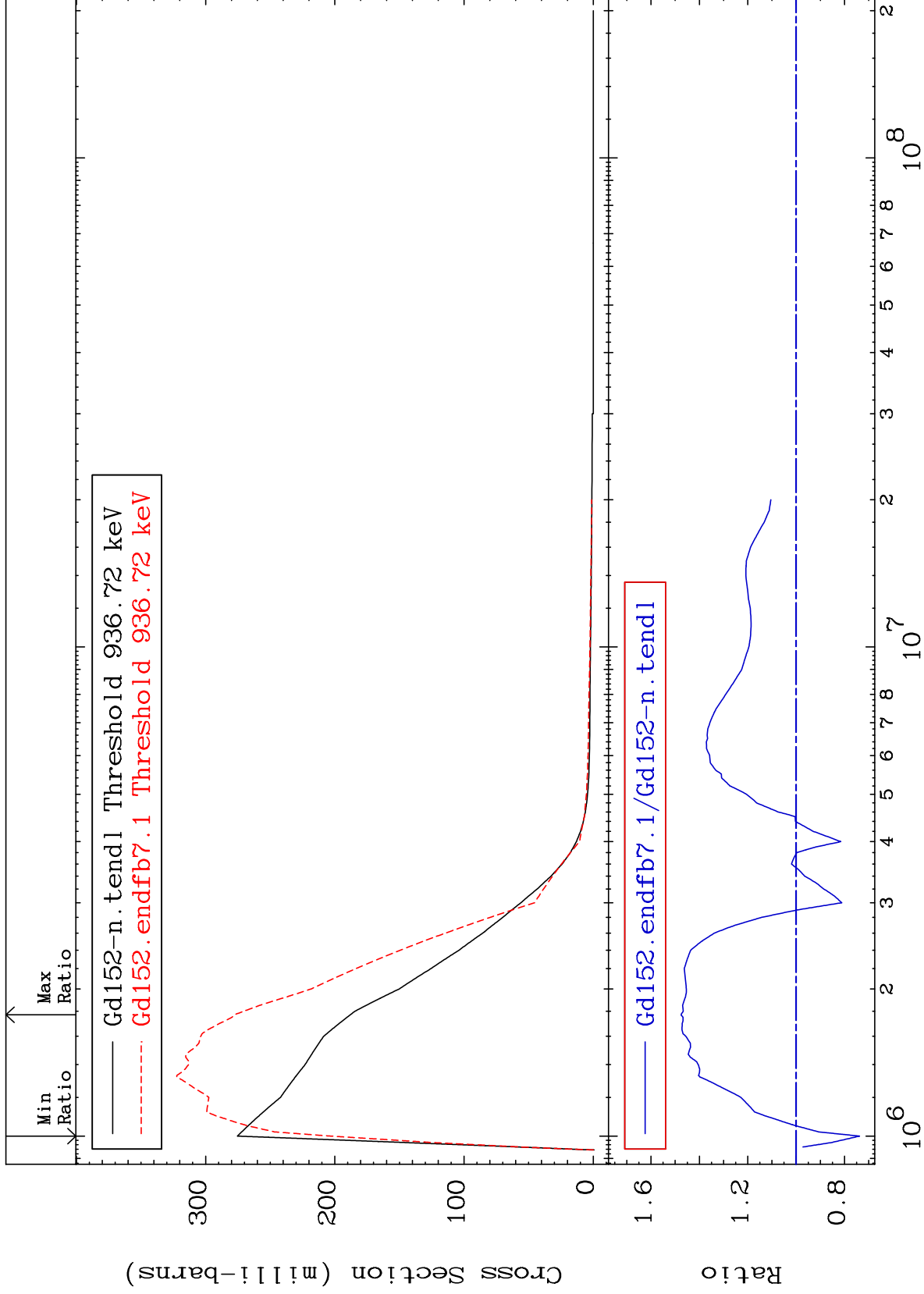
Incident Energy (eV)

64-Gd-152

MAT 6425

930.5 keV (n,n') Level
Cross Section

64-Gd-152
-26.21 To 47.70 %



13

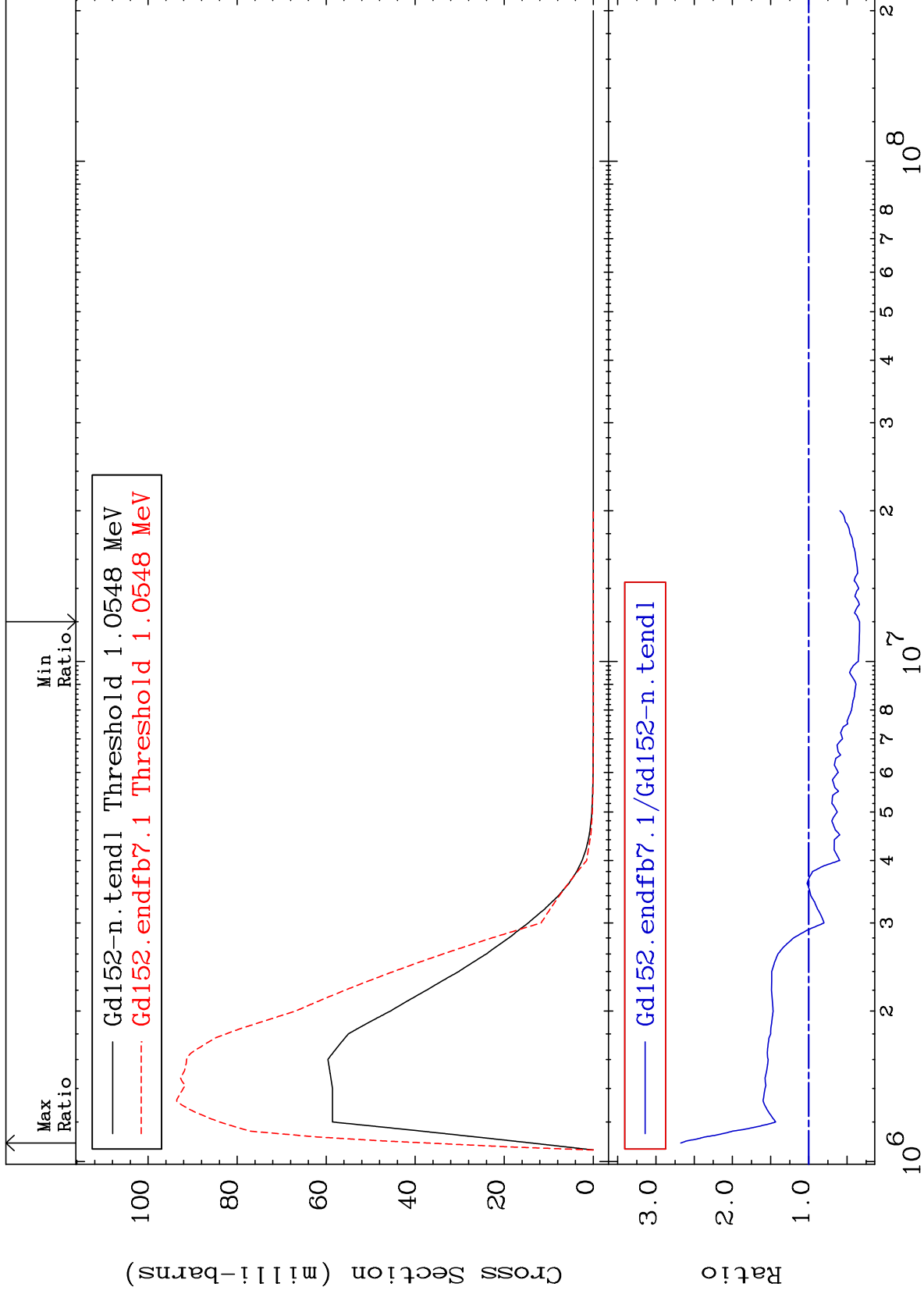
Incident Energy (eV)

64-Gd-152

MAT 6425

1.048 MeV (n,n') Level
Cross Section

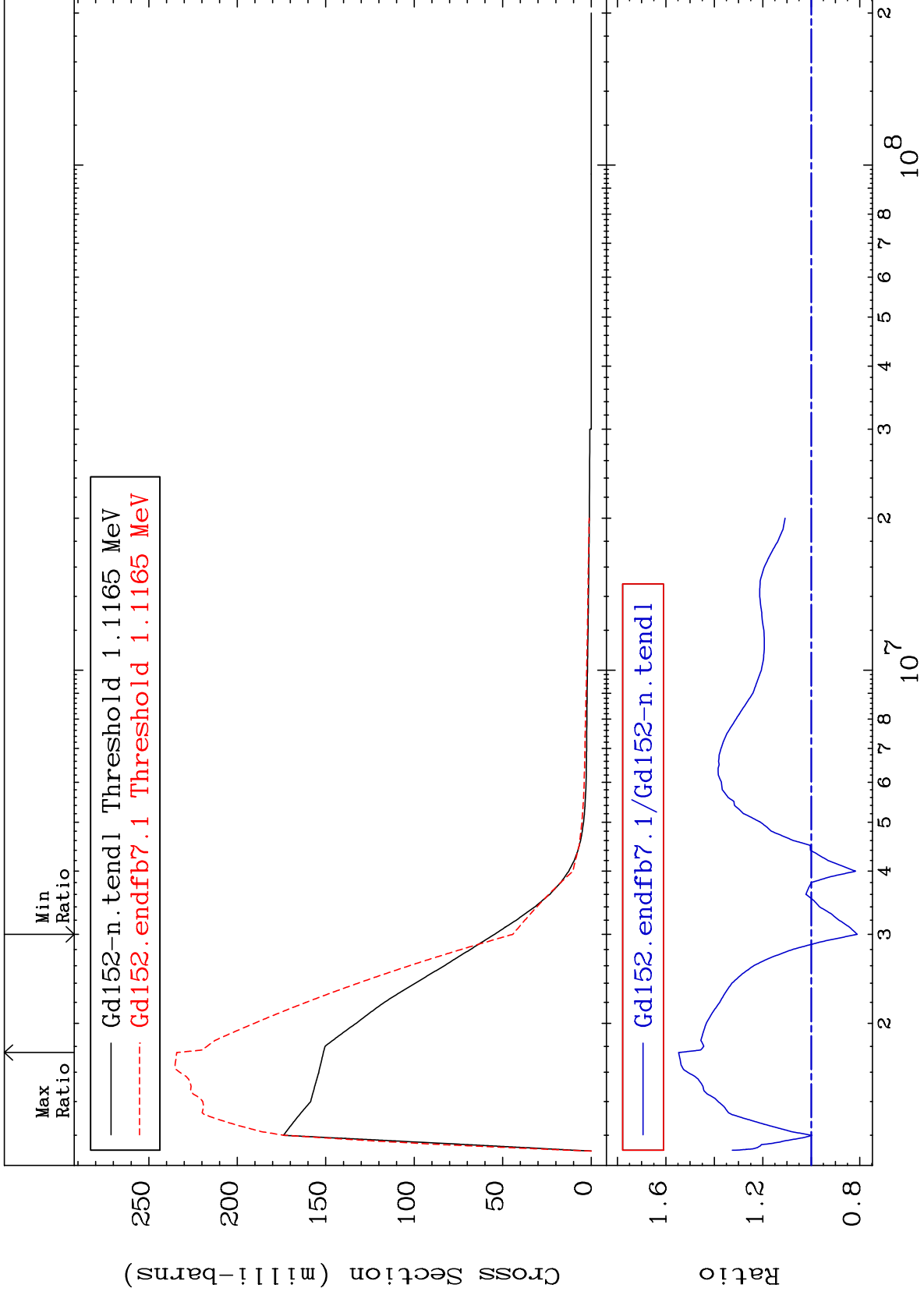
64-Gd-152
-66.34 To 167.5 %



14

Incident Energy (eV)

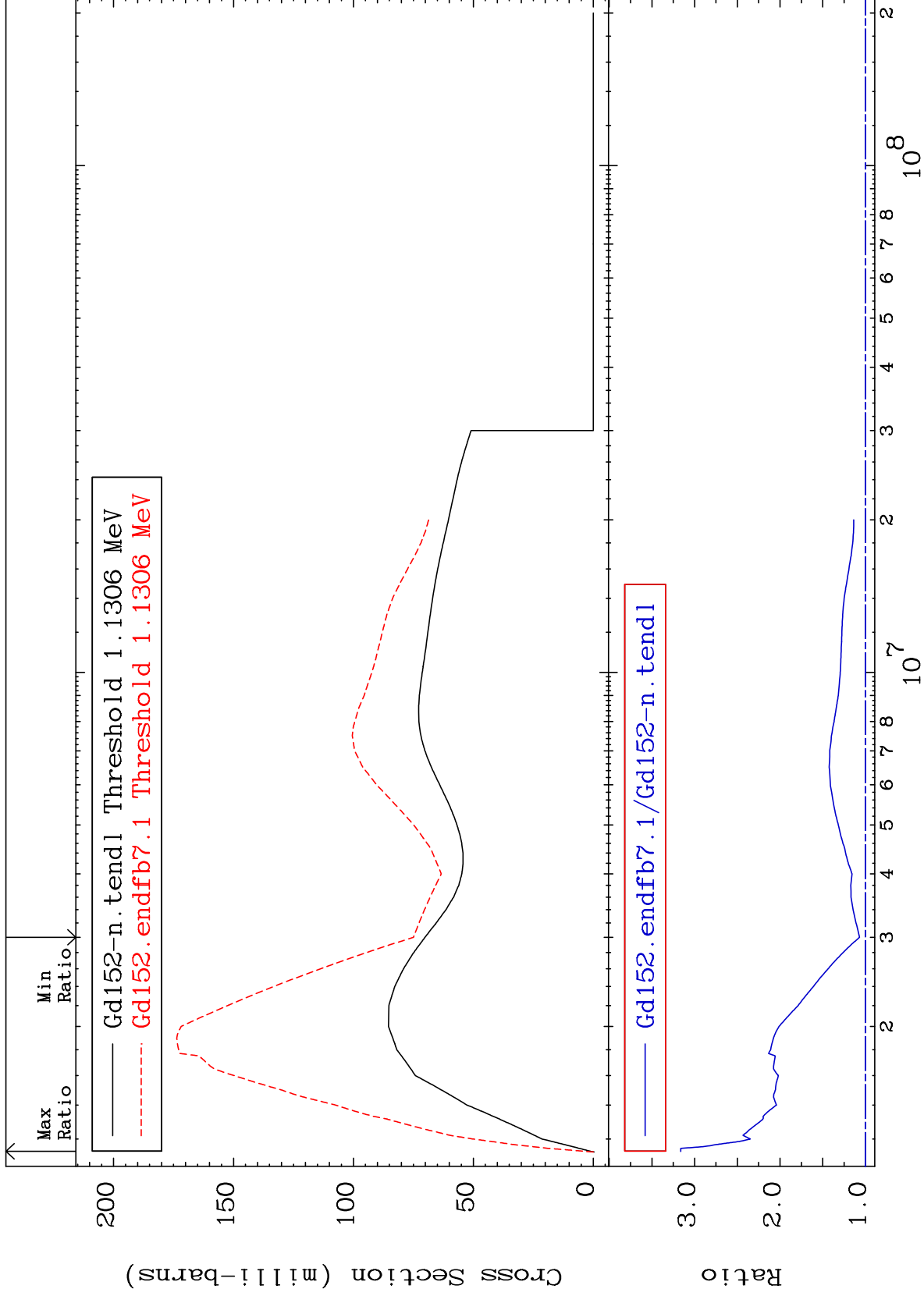
64-Gd-152



MAT 6425

1.123 MeV (n,n') Level
Cross Section

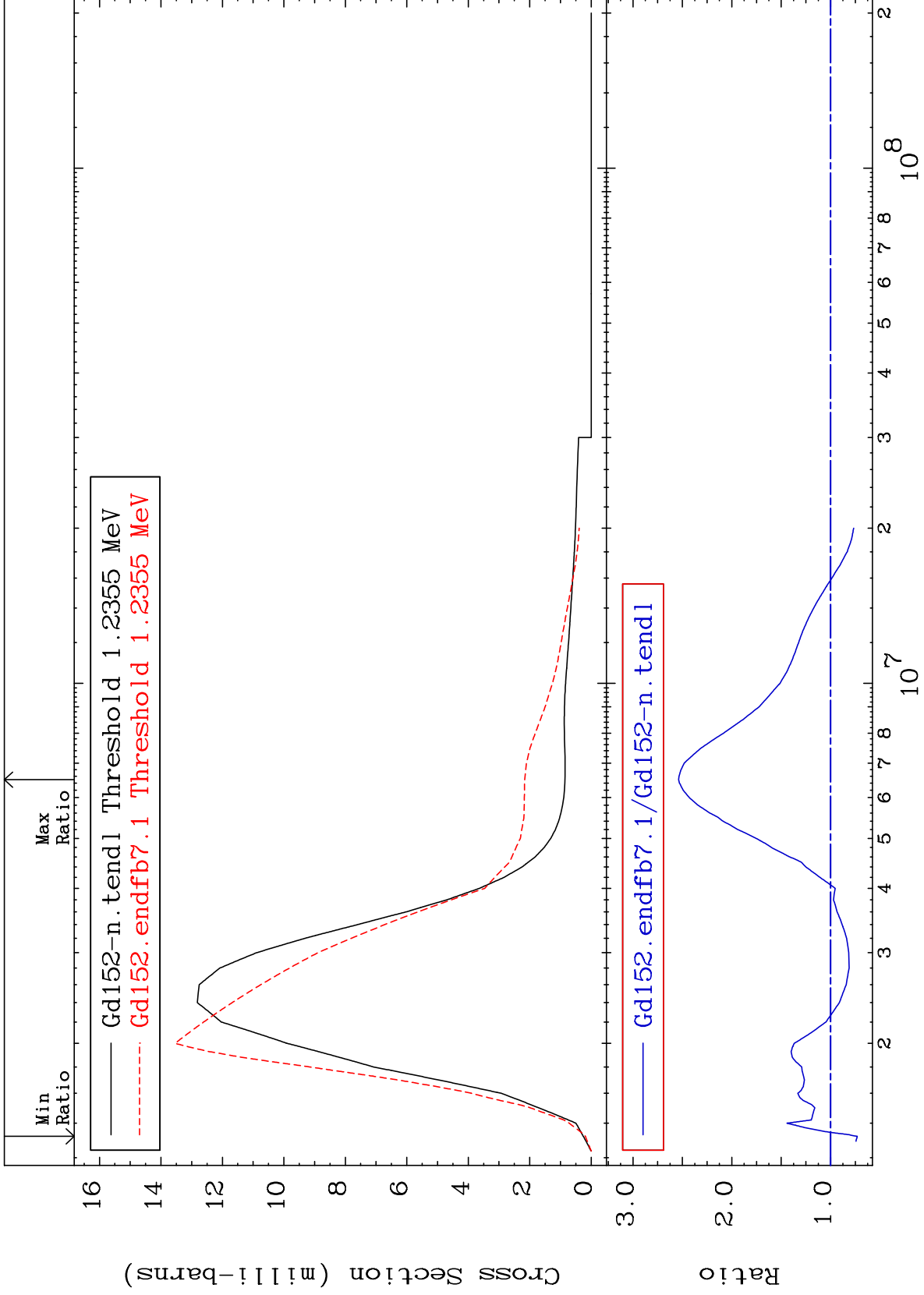
64-Gd-152
6.896 To 216.2 %



MAT 6425

1.227 MeV (n,n') Level
Cross Section

64-Gd-152
-26.94 To 153.8 %



17

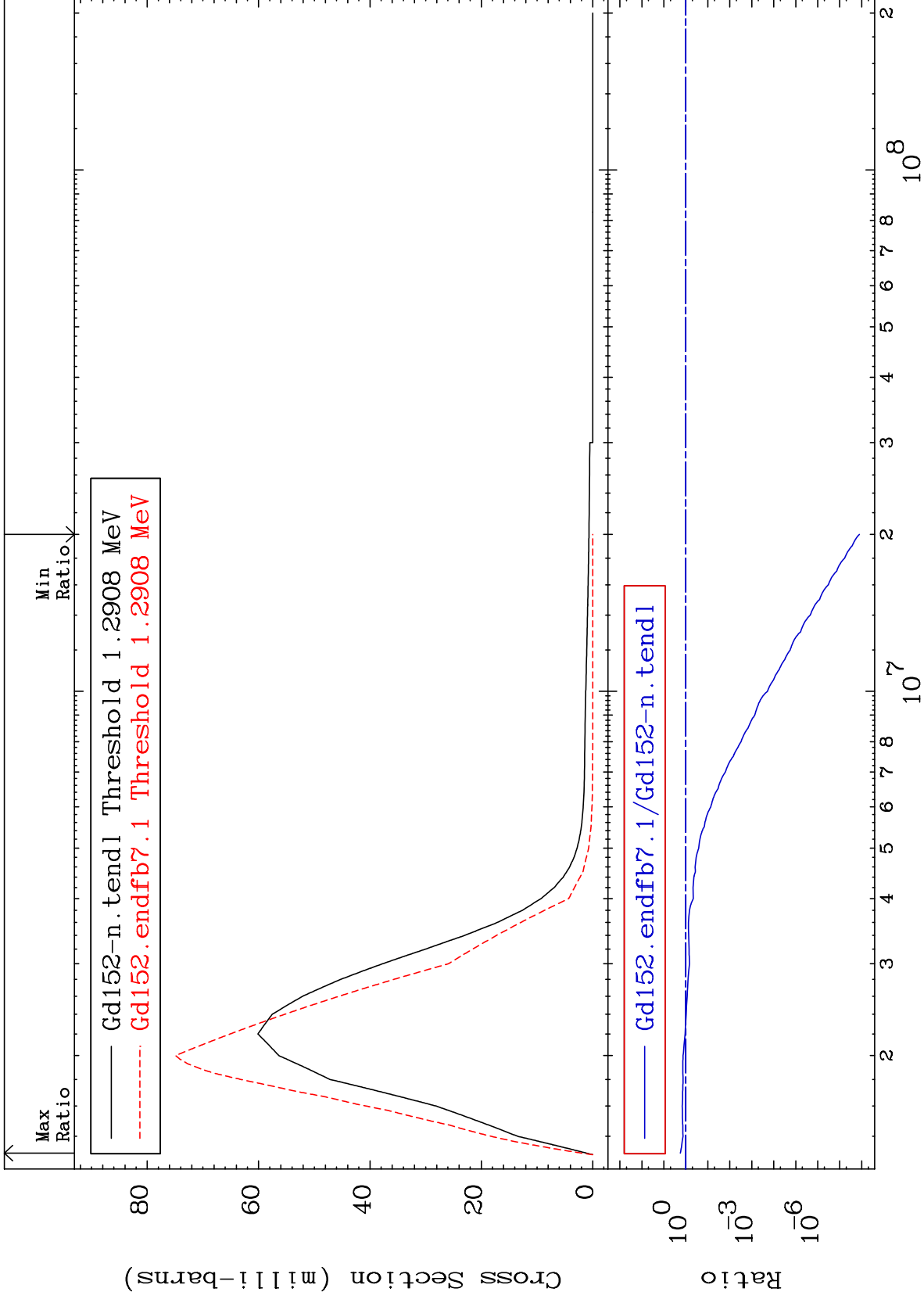
Incident Energy (eV)

64-Gd-152

MAT 6425

1.282 MeV (n,n') Level
Cross Section

64-Gd-152
-100.0 To 77.24 %



18

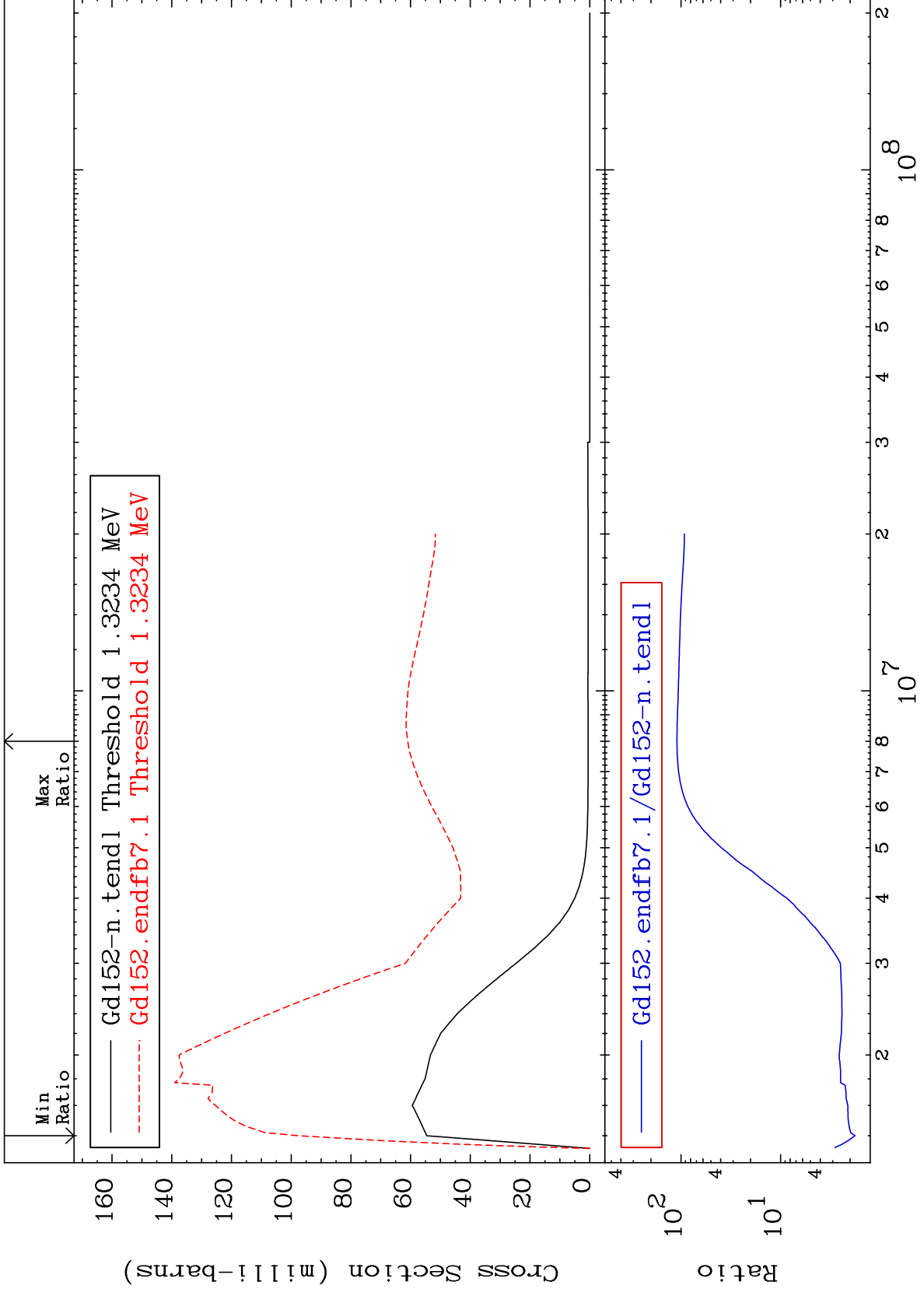
Incident Energy (eV)

64-Gd-152

MAT 6425

1.315 MeV (n,n') Level
Cross Section

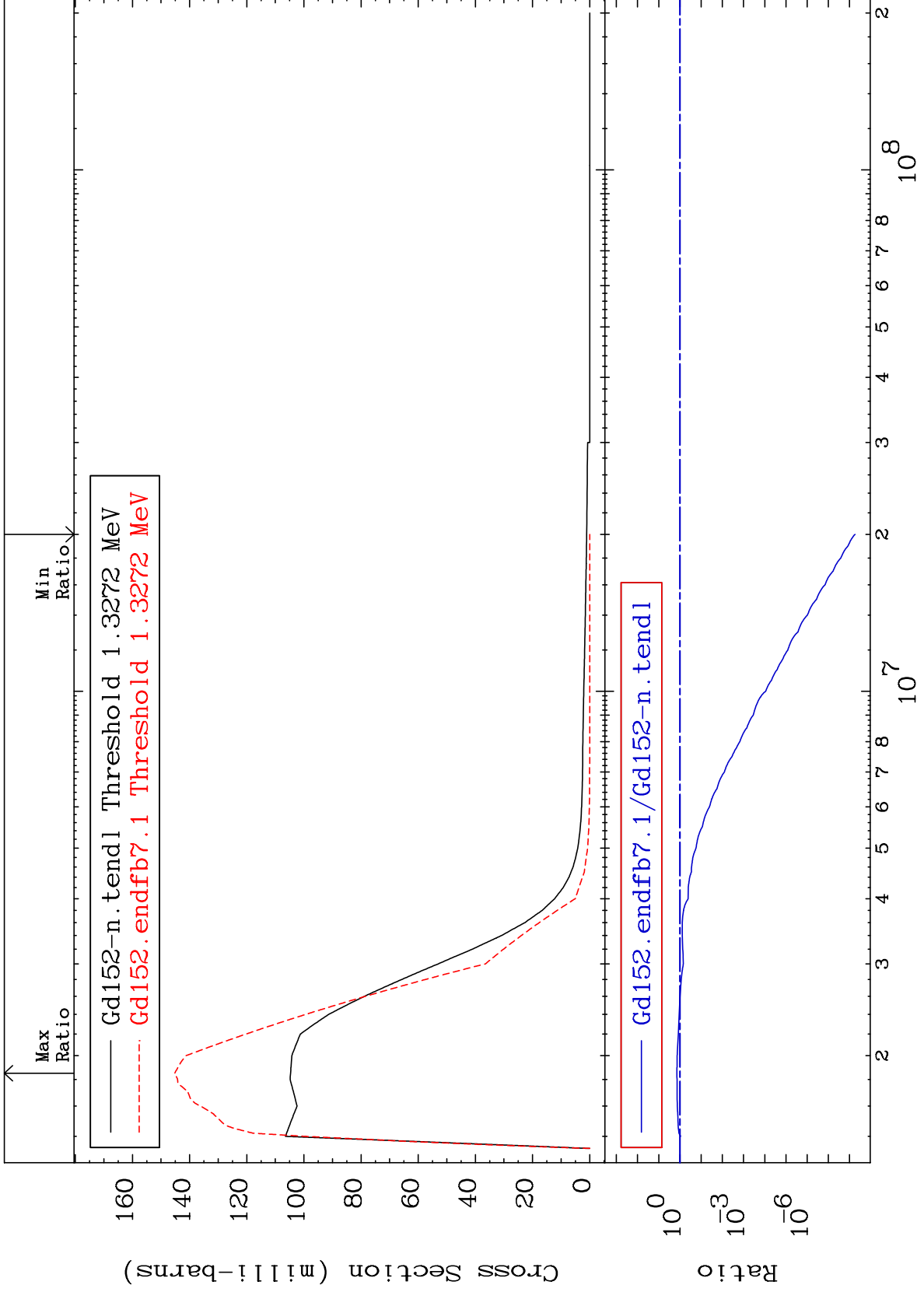
64-Gd-152
78.55 To 9999. %



MAT 6425

1.318 MeV (n,n') Level
Cross Section

64-Gd-152
-100.0 To 38.75 %



20

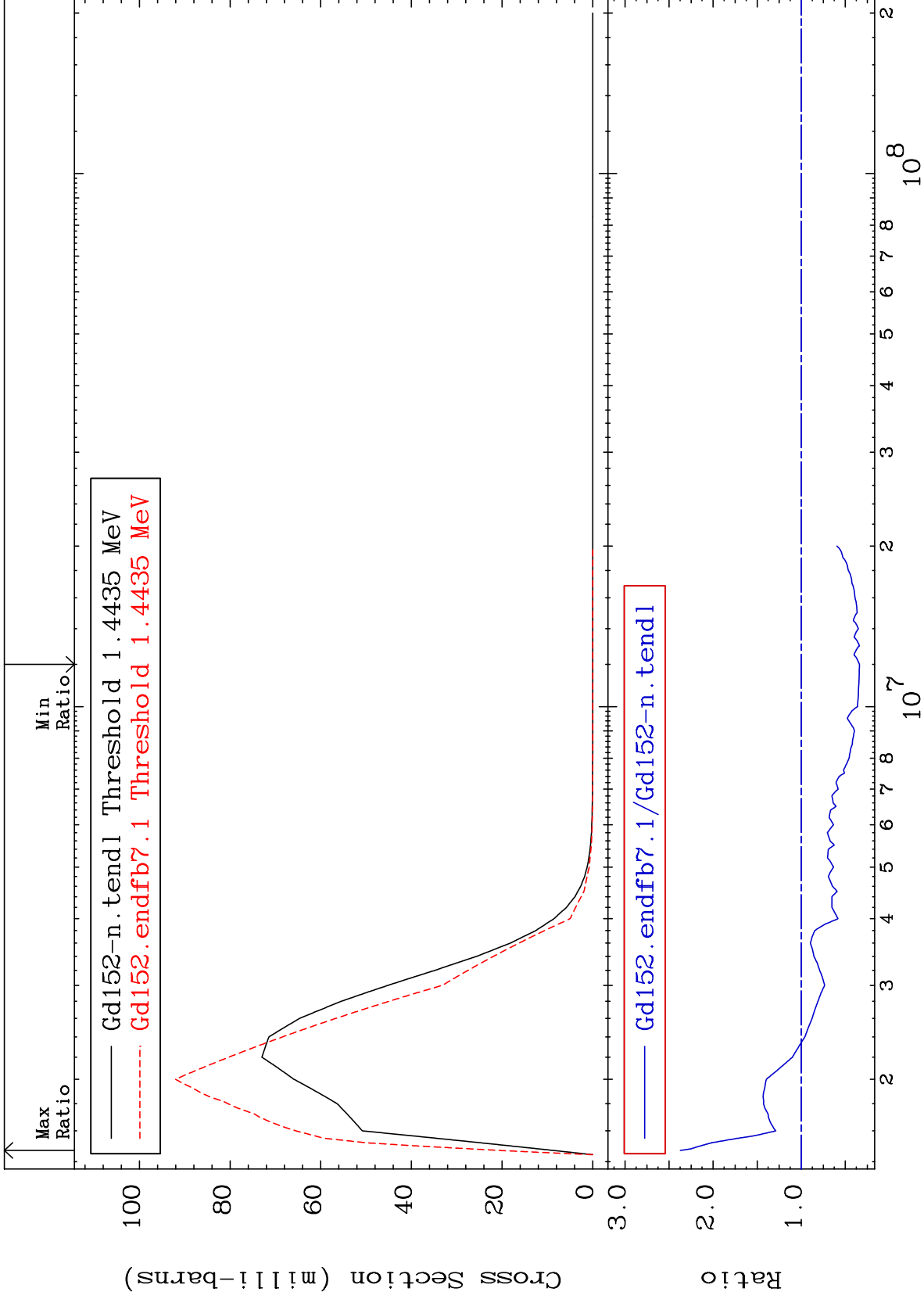
Incident Energy (eV)

64-Gd-152

MAT 6425

1.434 MeV (n,n') Level
Cross Section

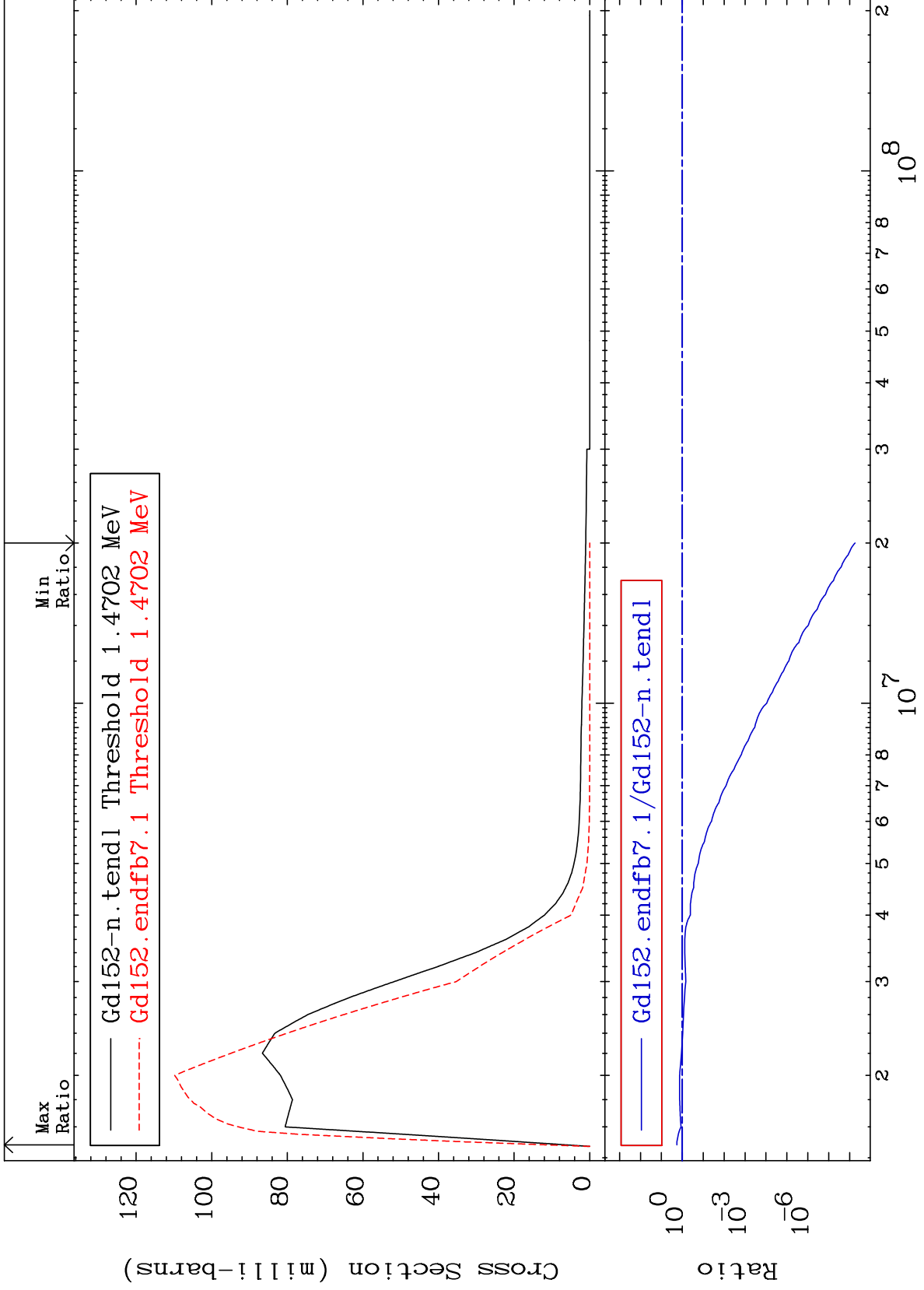
64-Gd-152
-66.03 To 137.2 %



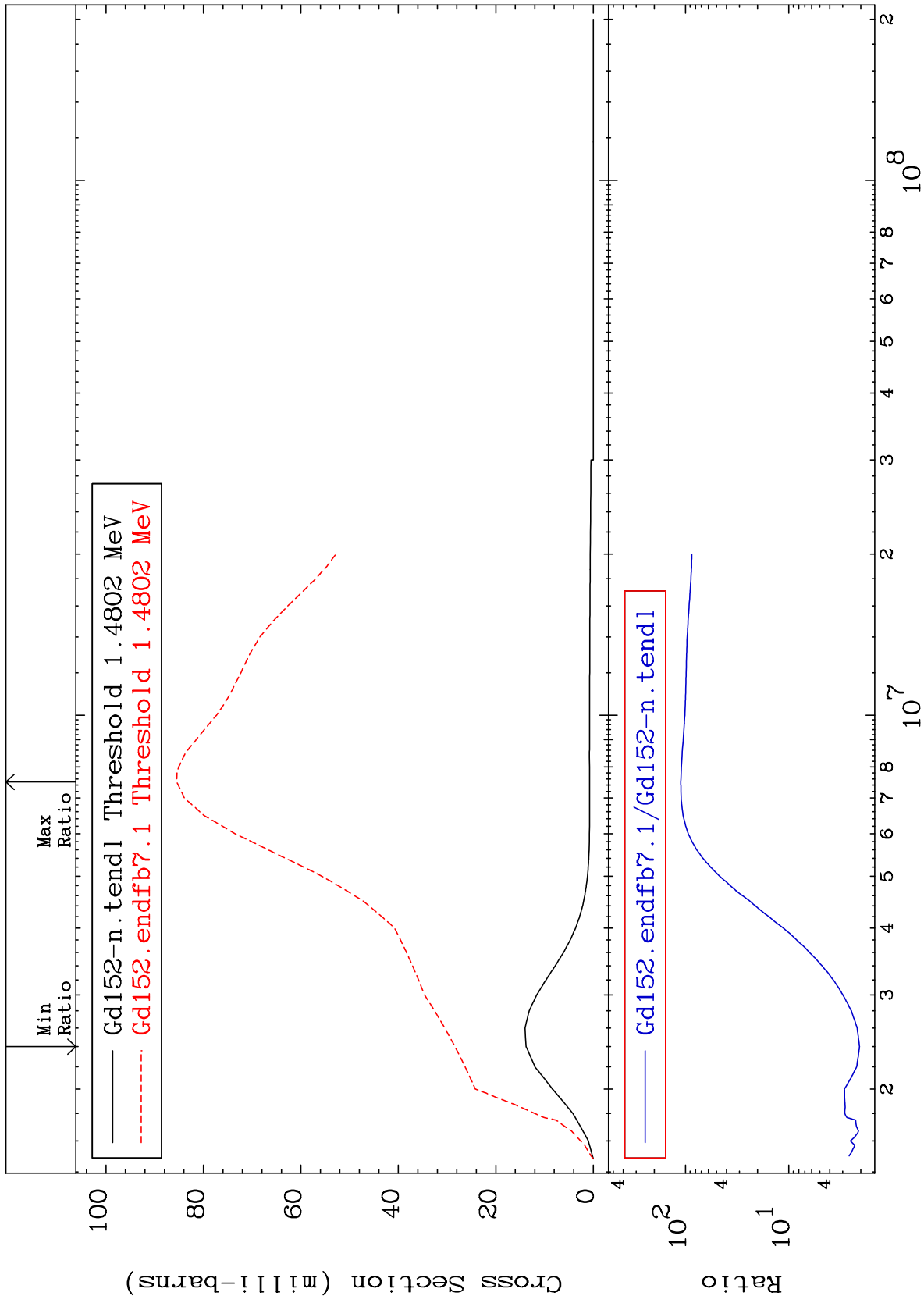
MAT 6425

1.461 MeV (n,n') Level
Cross Section

64-Gd-152
-100.0 To 81.24 %



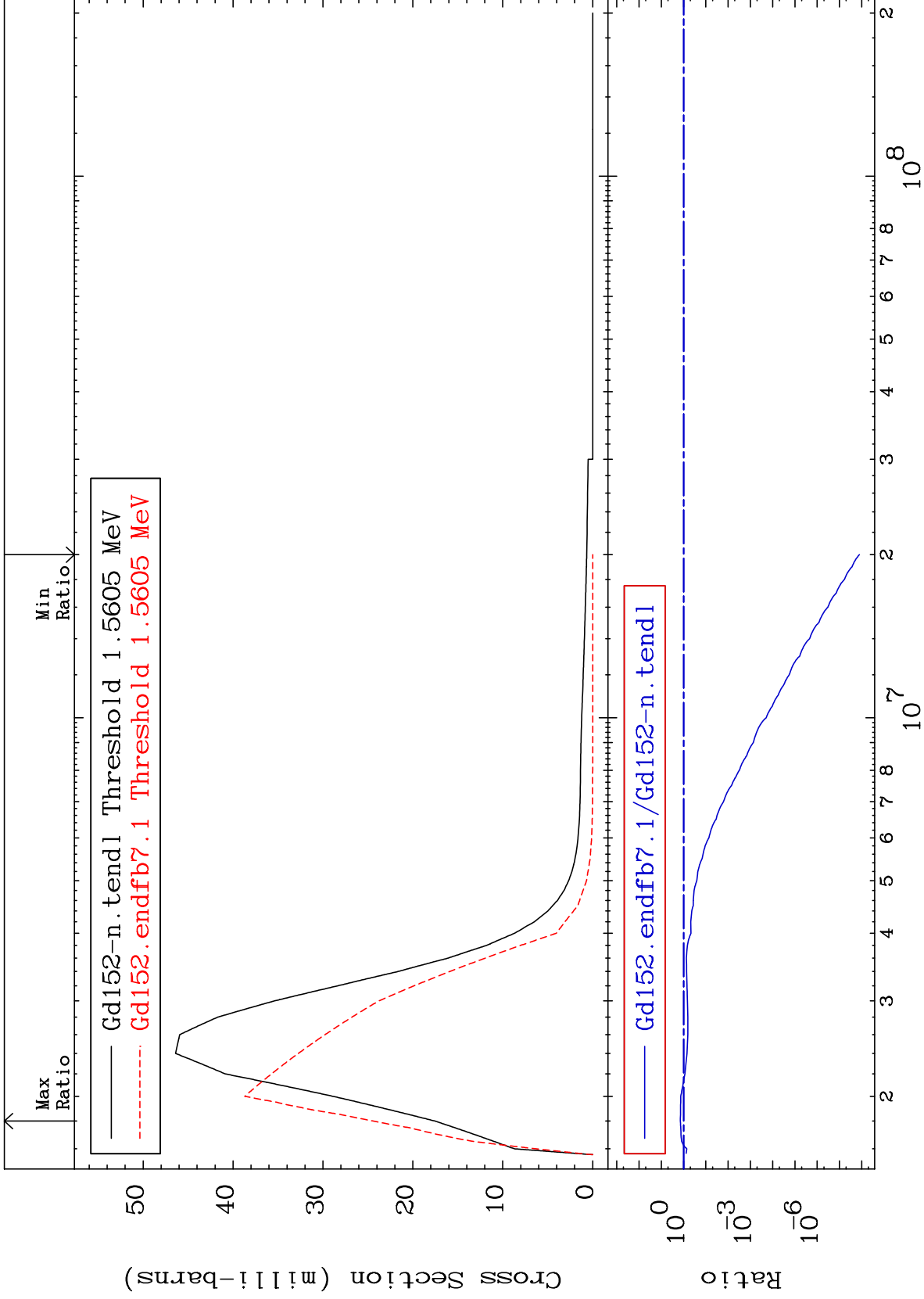
MAT 6425 1.470 MeV (n,n') Level Cross Section 64-Gd-152 To 9999. % 106.1



MAT 6425

1.550 MeV (n,n') Level
Cross Section

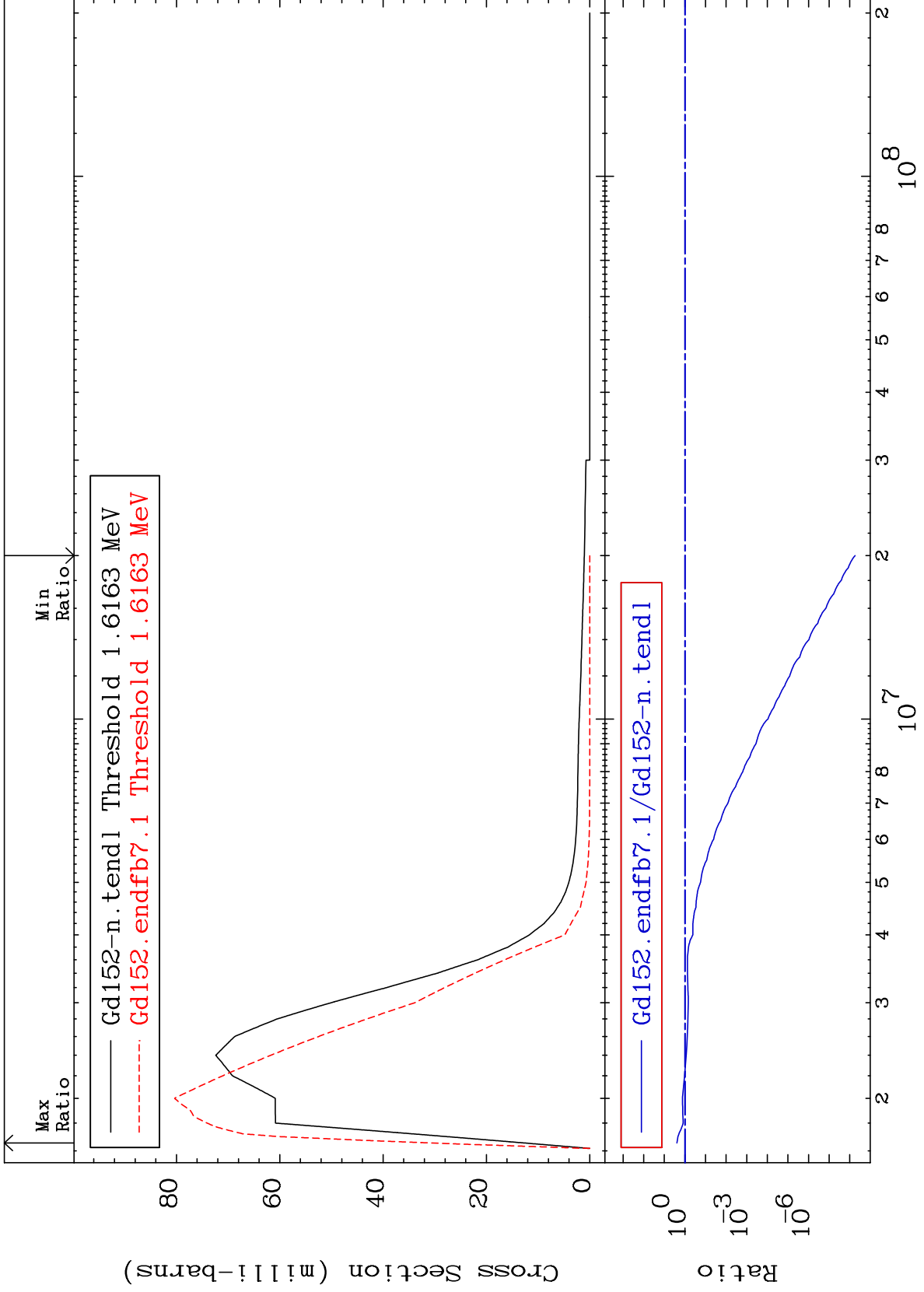
64-Gd-152
-100.0 To 39.26 %

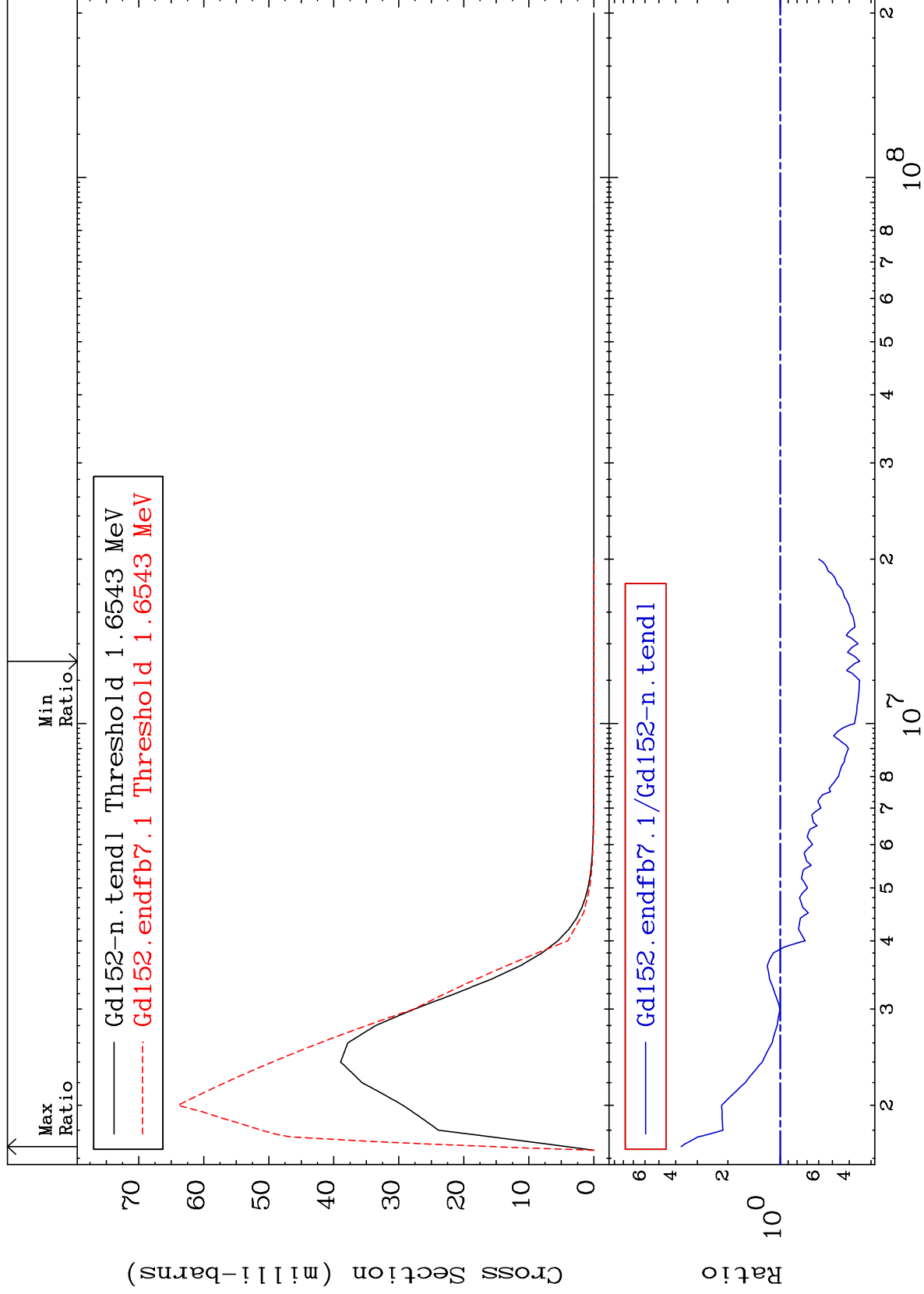


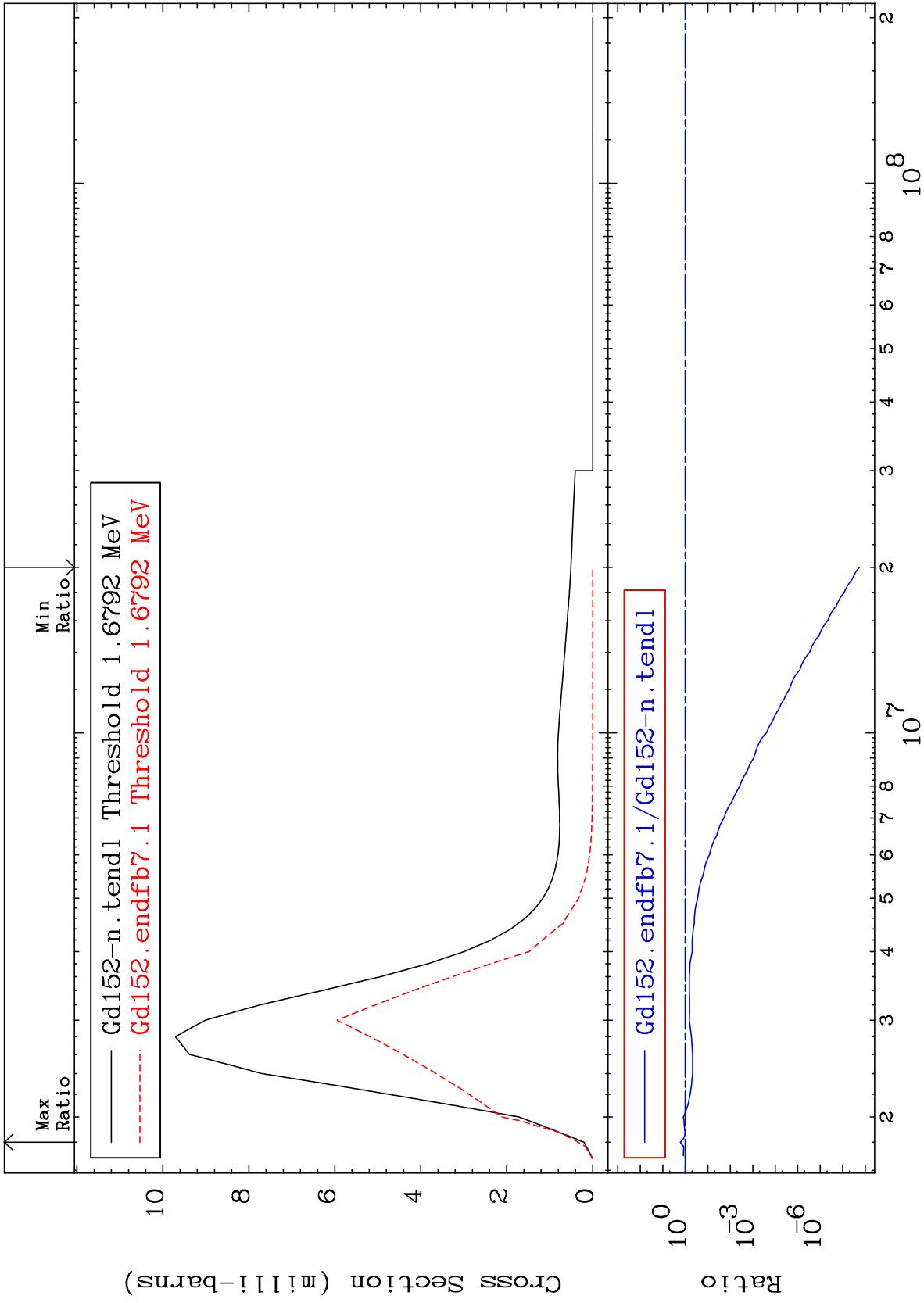
MAT 6425

1.606 MeV (n,n') Level
Cross Section

64-Gd-152
-100.0 To 143.3 %



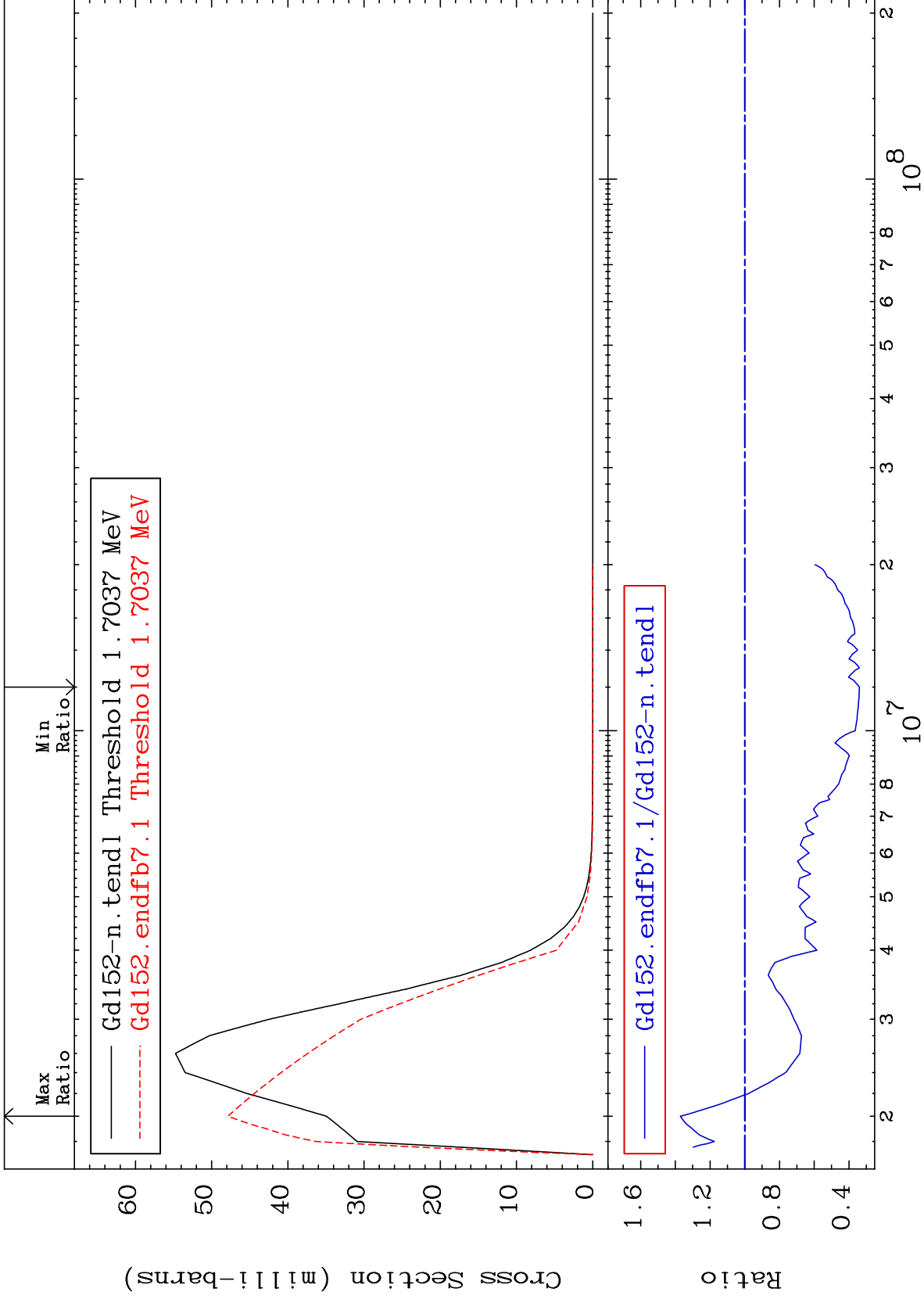




MAT 6425

1.692 MeV (n,n') Level
Cross Section

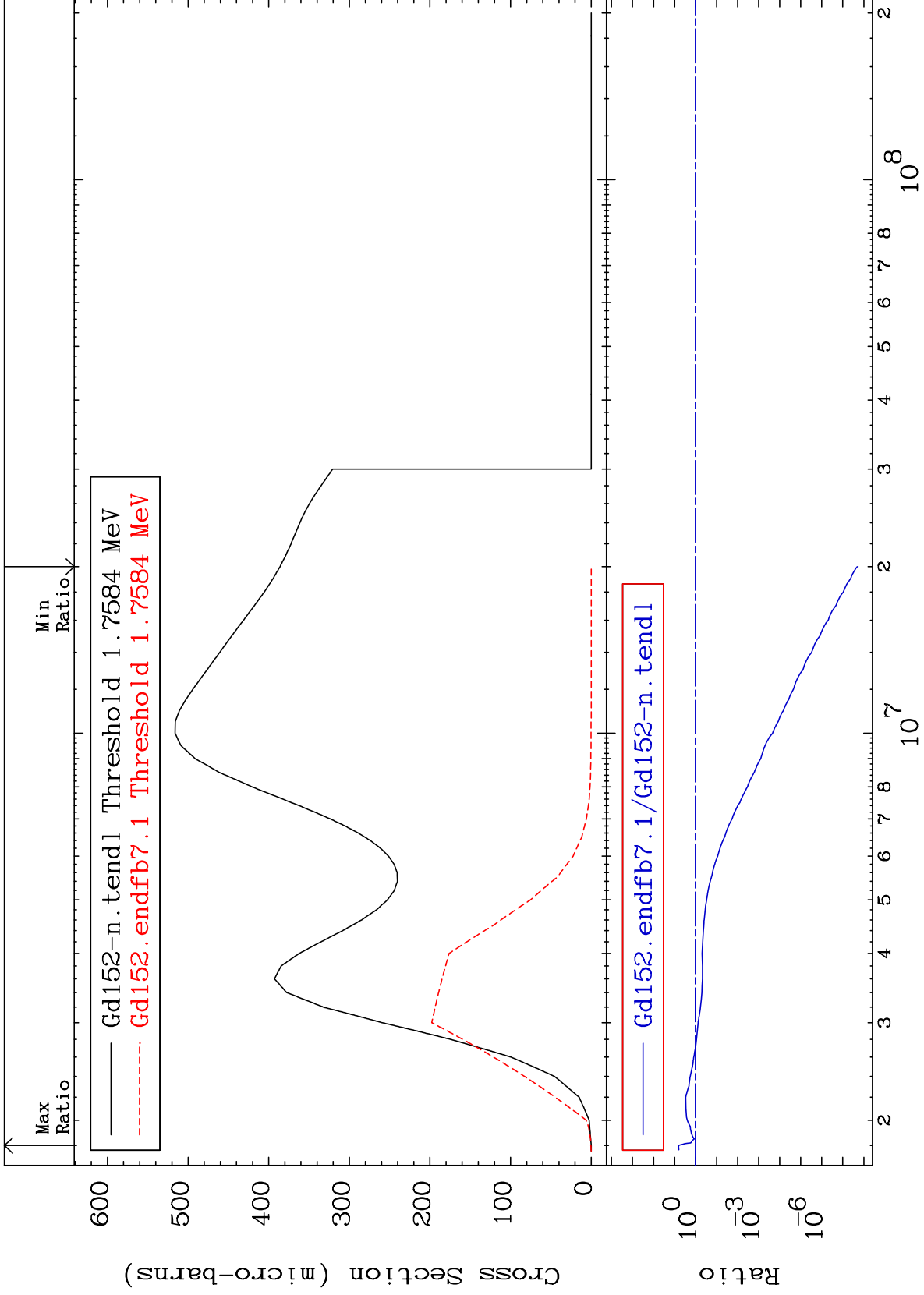
64-Gd-152
-66.04 To 37.11 %



MAT 6425

1.747 MeV (n,n') Level
Cross Section

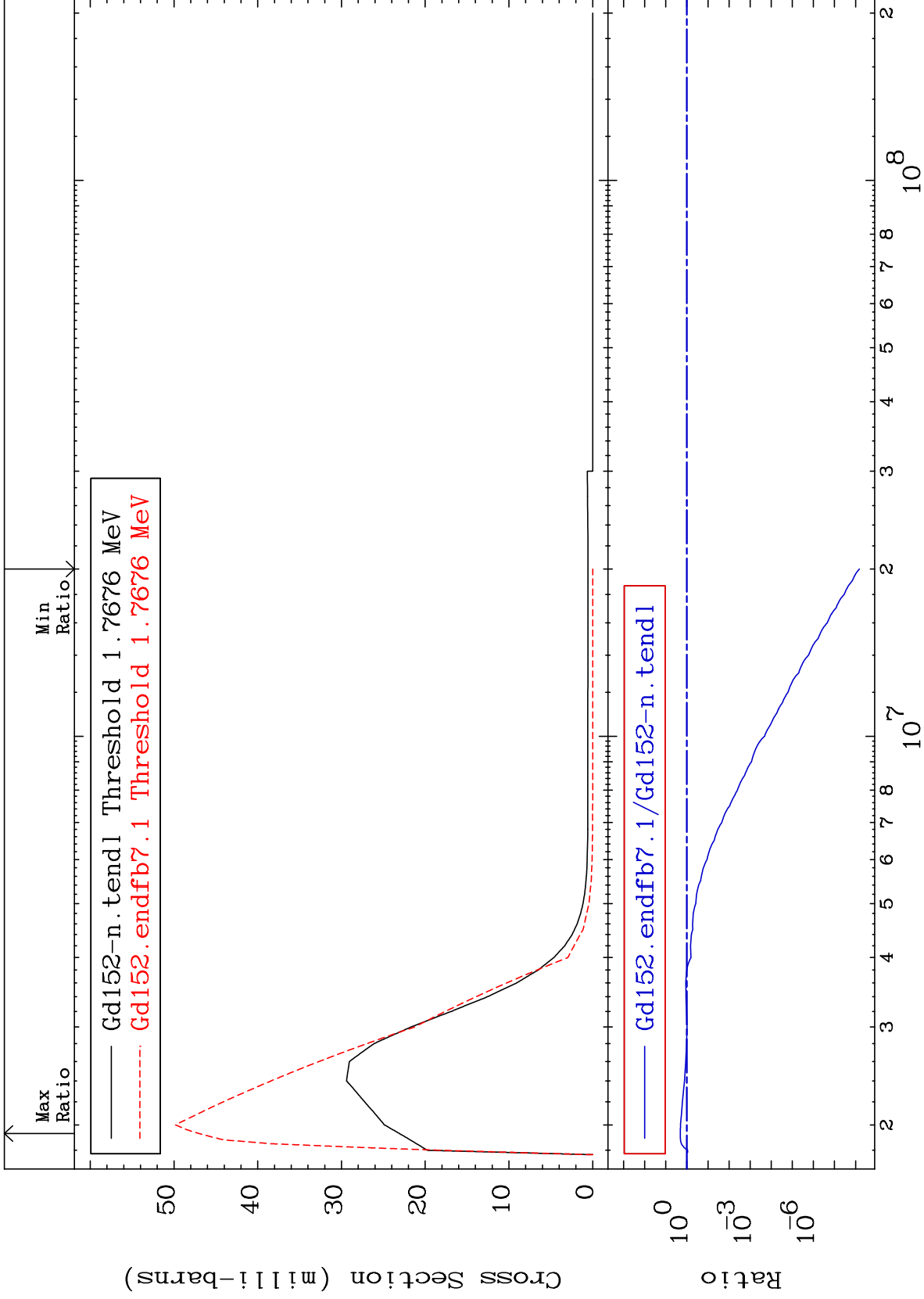
64-Gd-152
-100.0 To 539.9 %



MAT 6425

1.756 MeV (n,n') Level
Cross Section

64-Gd-152
-100.0 To 103.7 %



30

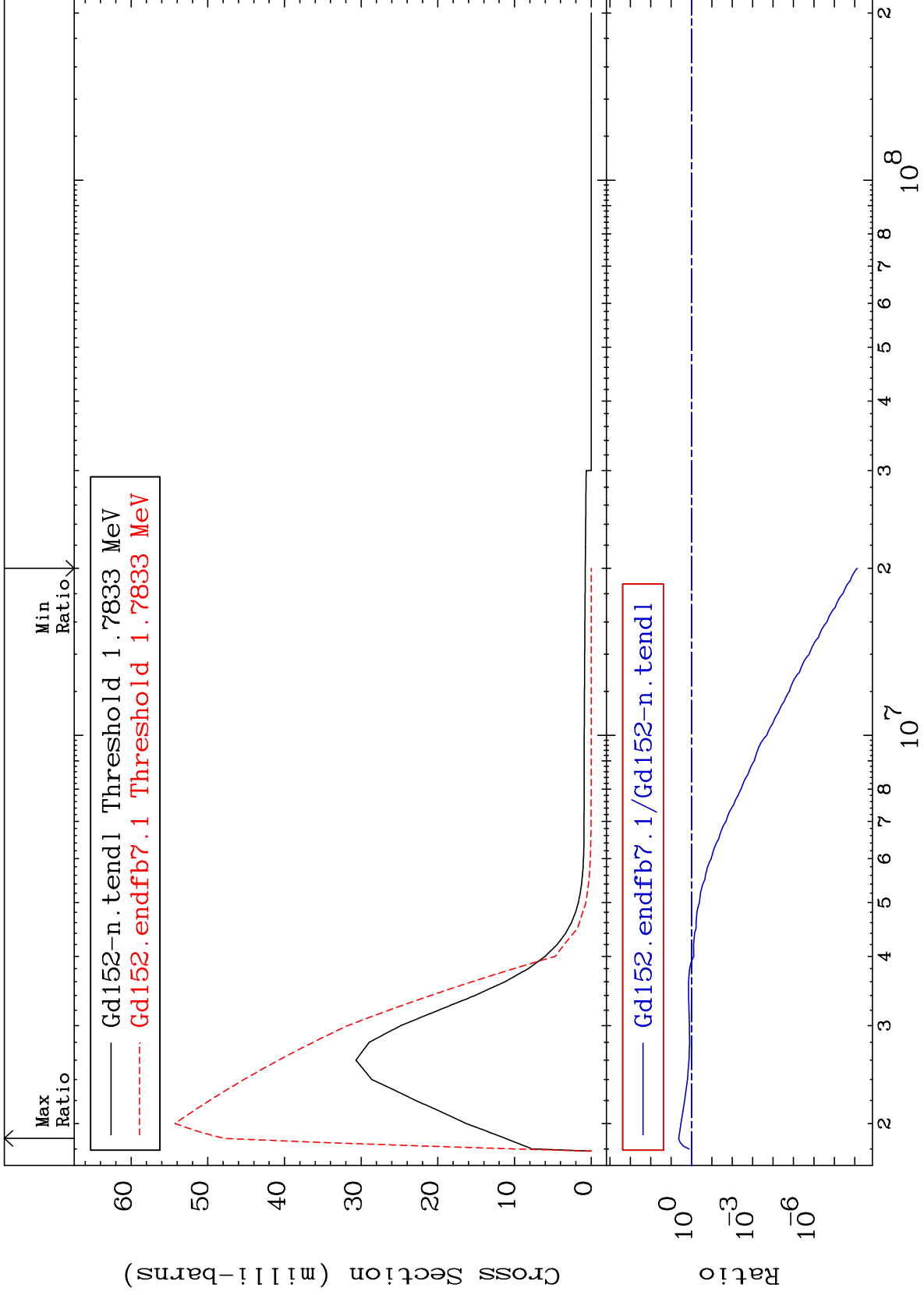
Incident Energy (eV)

64-Gd-152

MAT 6425

1.772 MeV (n,n') Level
Cross Section

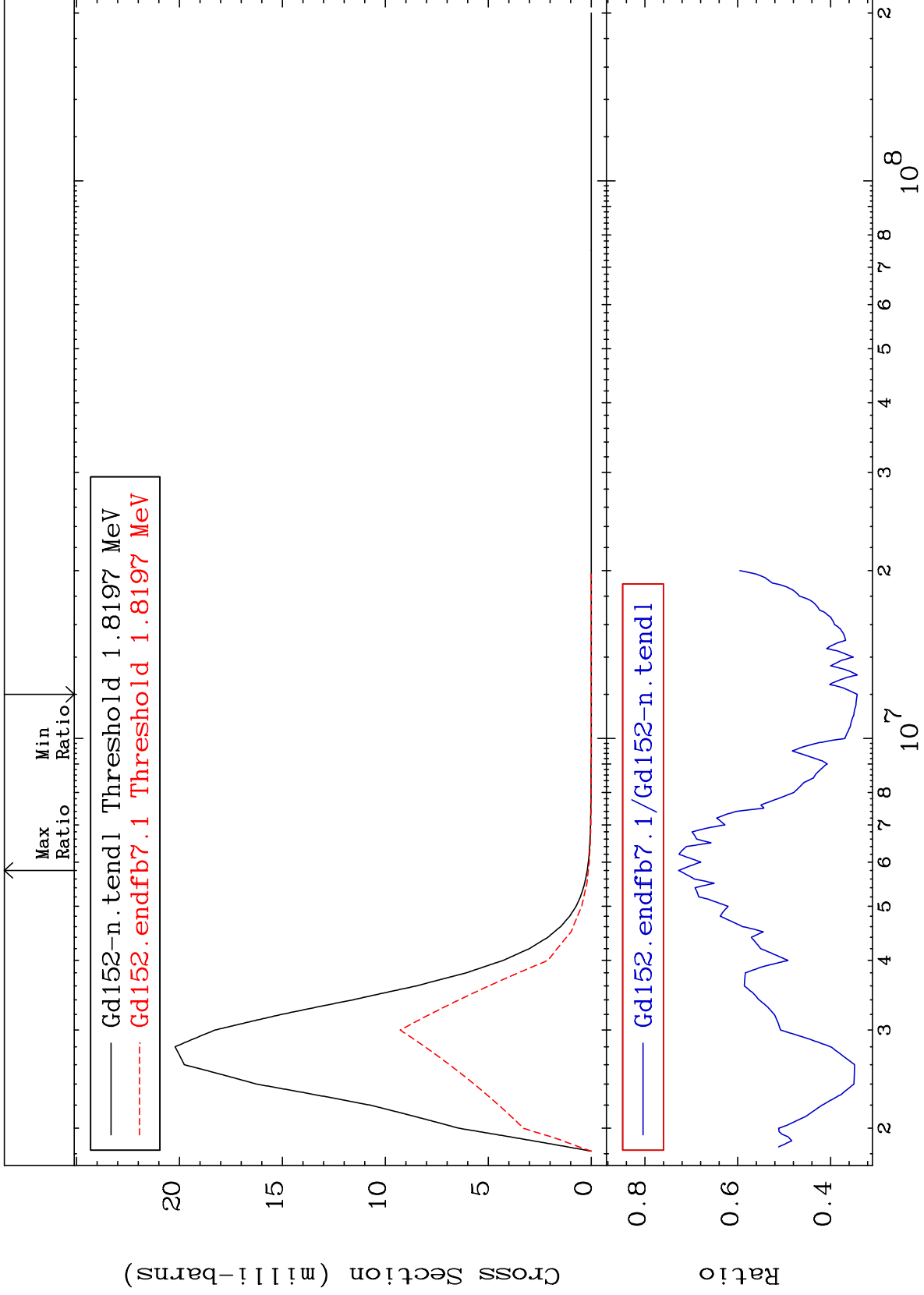
64-Gd-152
-100.0 To 328.2 %



MAT 6425

1.808 MeV (n,n') Level
Cross Section

64-Gd-152
-65.75 To -27.26%



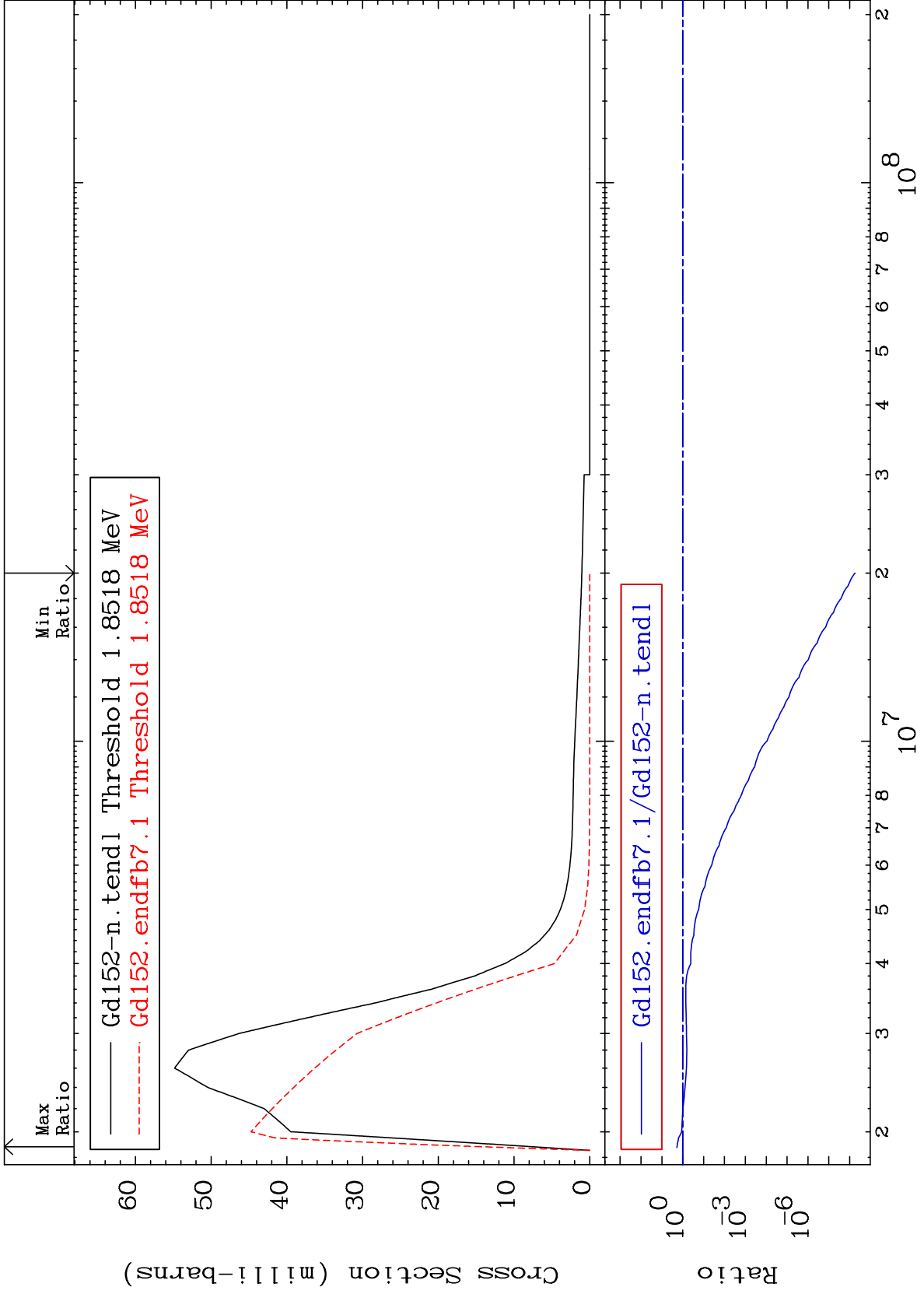
32

64-Gd-152

MAT 6425

1.840 MeV (n,n') Level
Cross Section

64-Gd-152
-100.0 To 90.05 %



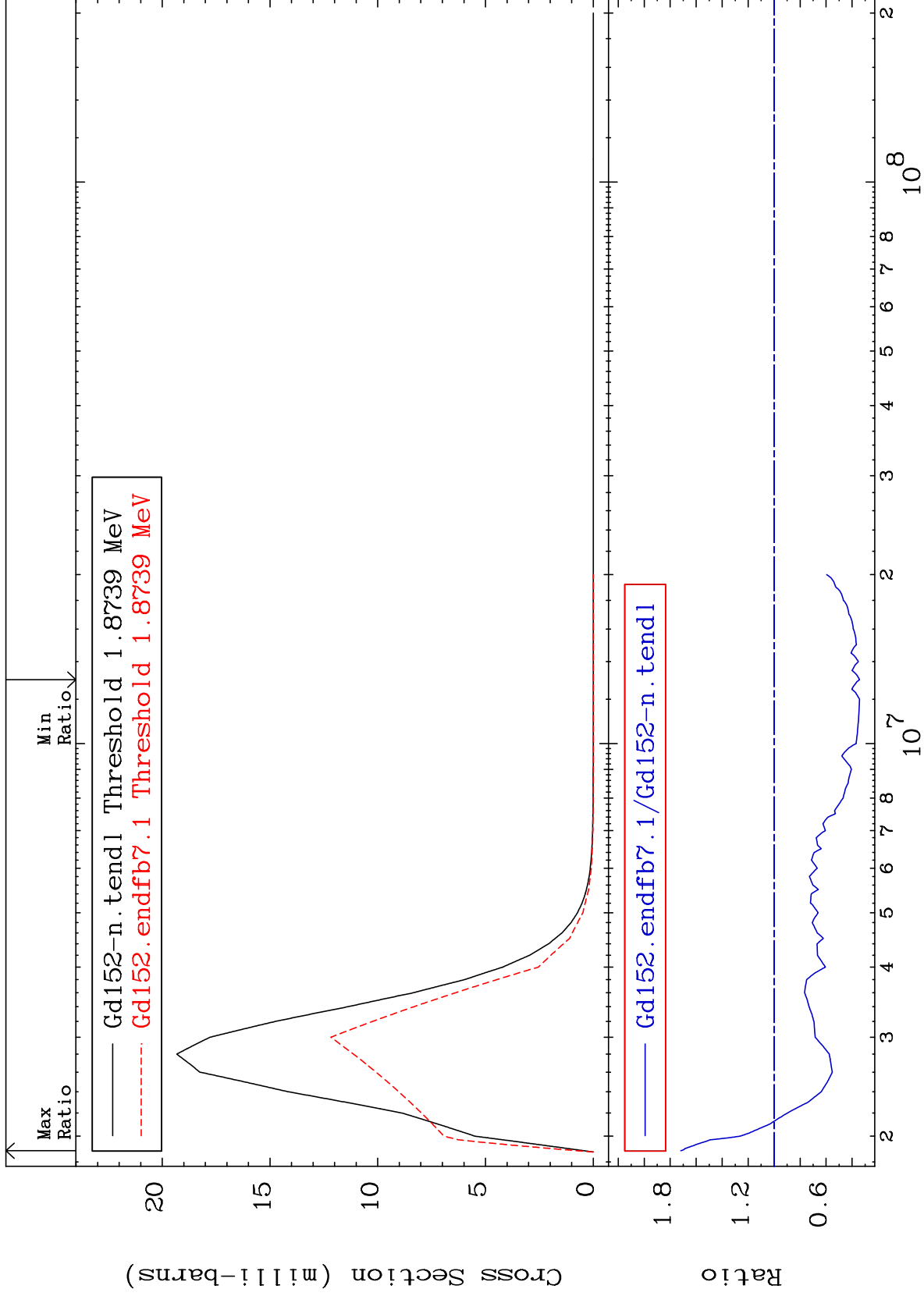
MAT 6425

1.862 MeV (n,n') Level

64-Gd-152

Cross Section

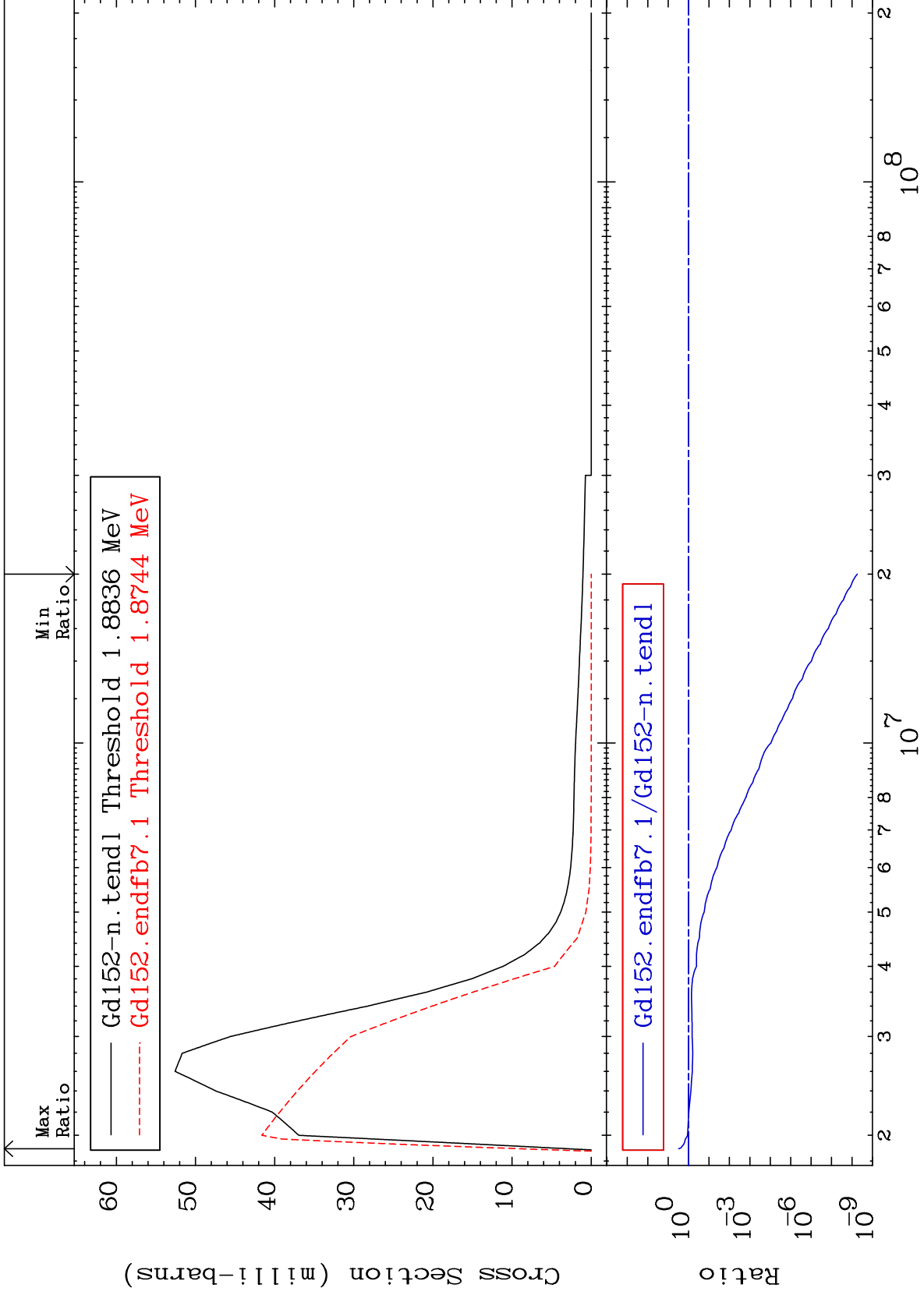
-65.72 To 71.86 %



MAT 6425

1.871 MeV (n,n') Level
Cross Section

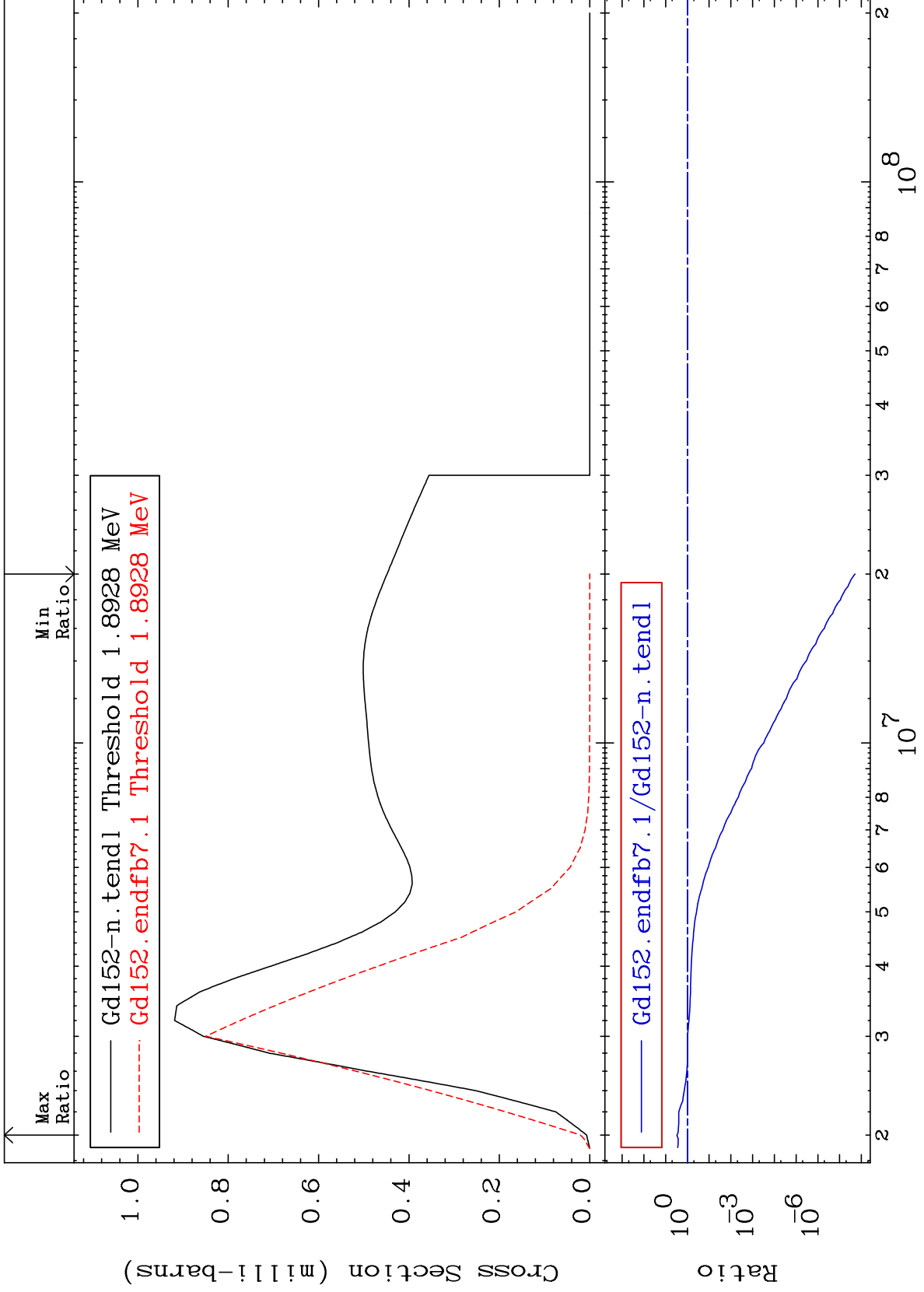
64-Gd-152
-100.0 To 207.1 %



MAT 6425

1.880 MeV (n,n') Level
Cross Section

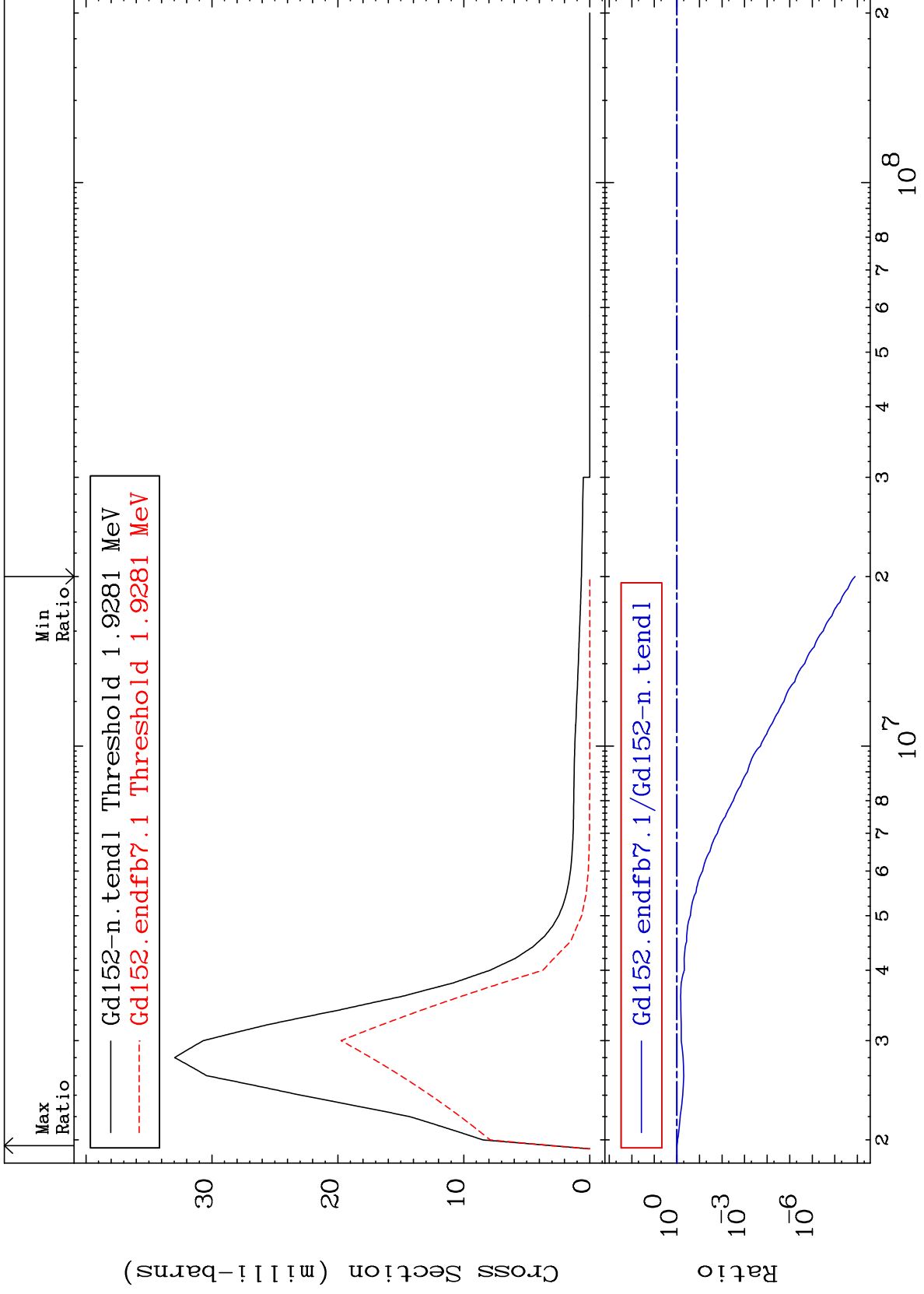
64-Gd-152
-100.0 To 201.9 %



MAT 6425

1.915 MeV (n,n') Level
Cross Section

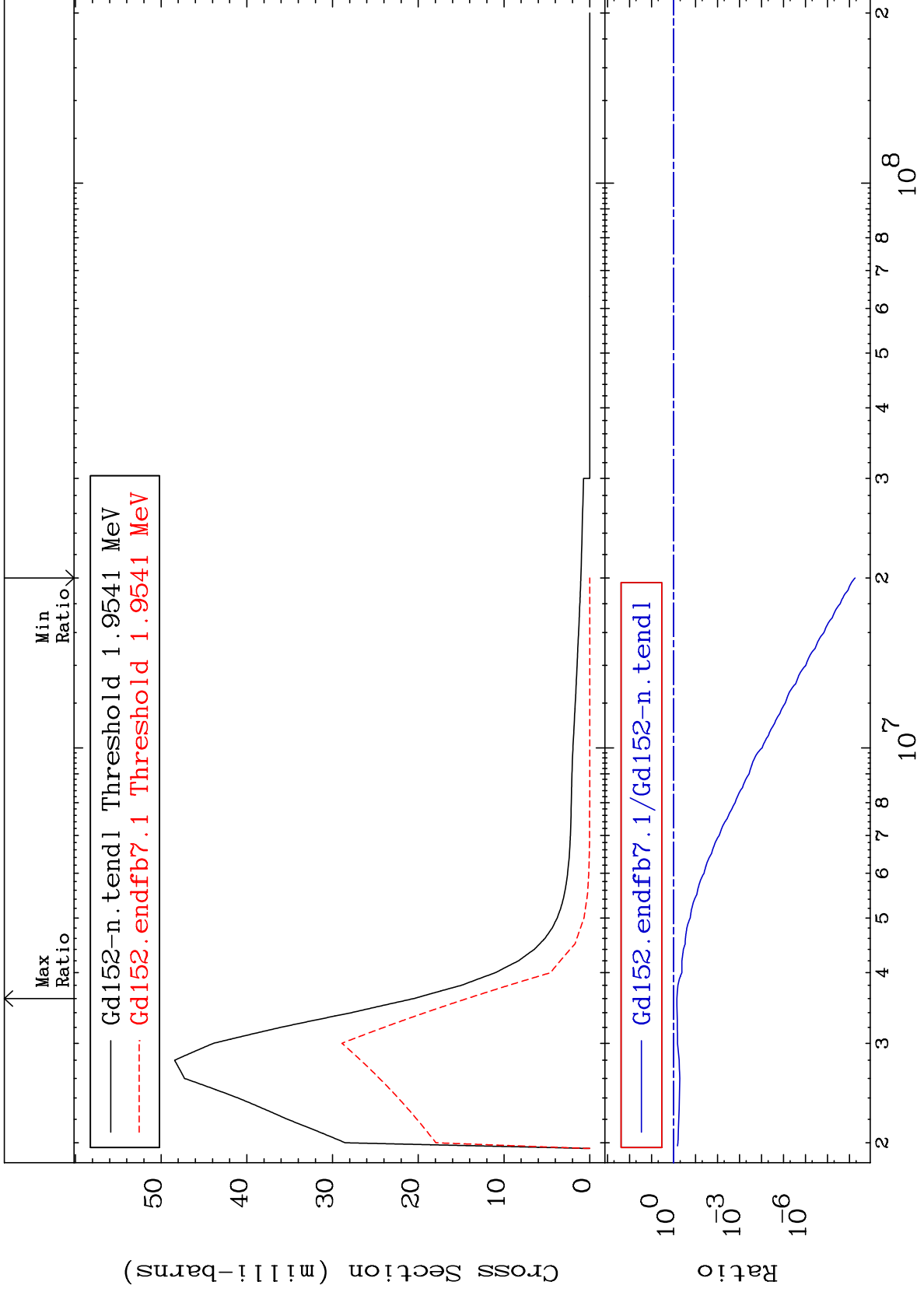
64-Gd-152
-100.0 To -0.170%



MAT 6425

1.941 MeV (n,n') Level
Cross Section

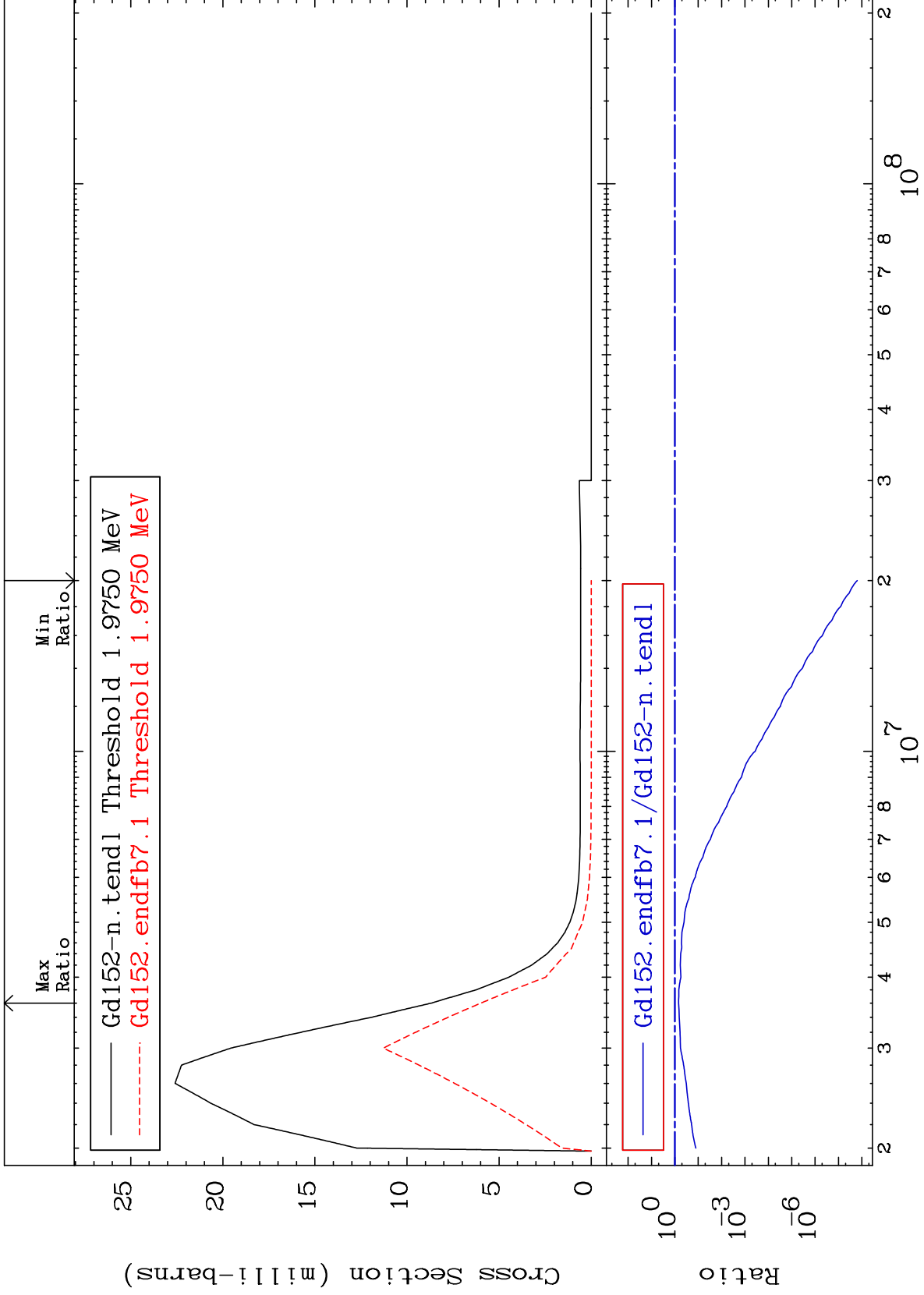
64-Gd-152
-100.0 To -30.28%



MAT 6425

1.962 MeV (n,n') Level
Cross Section

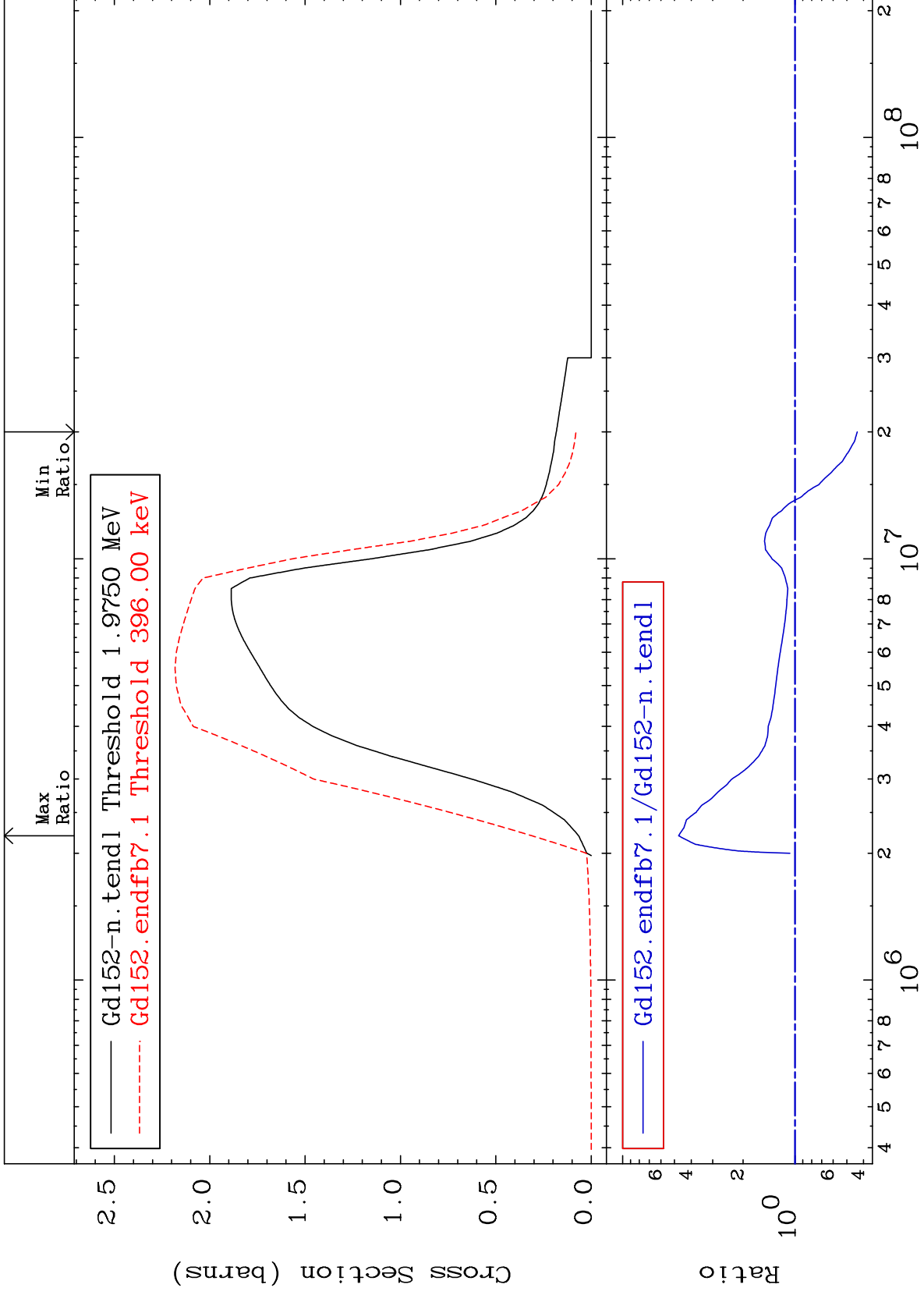
64-Gd-152
-100.0 To -30.99%



MAT 6425

(n, n') Continuum
Cross Section

64-Gd-152
-56.49 To 373.1 %



40

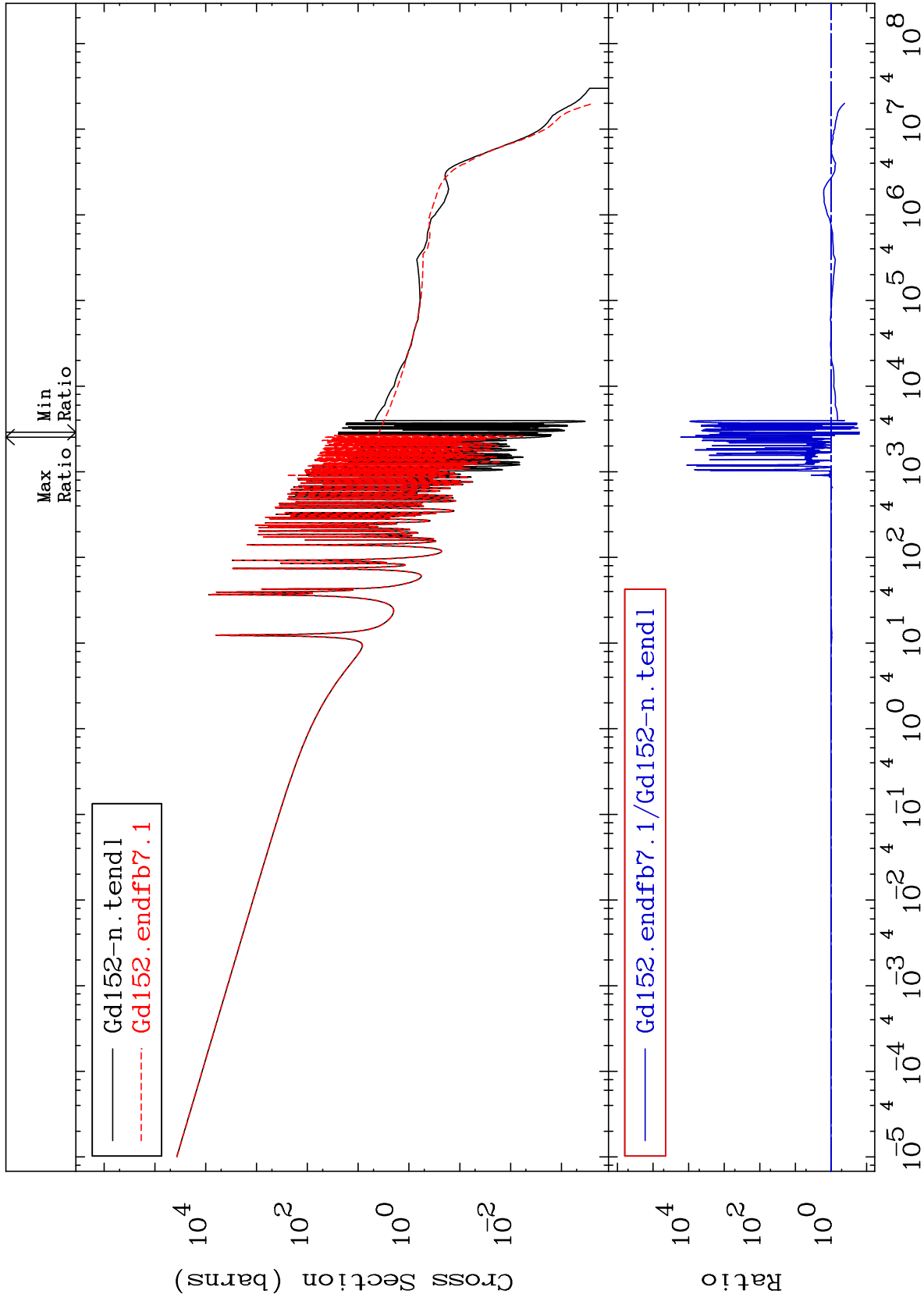
Incident Energy (eV)

64-Gd-152

MAT 6425

(n, γ)
Cross Section

64-Gd-152
-84.20 To 9999. %



41

Incident Energy (eV)

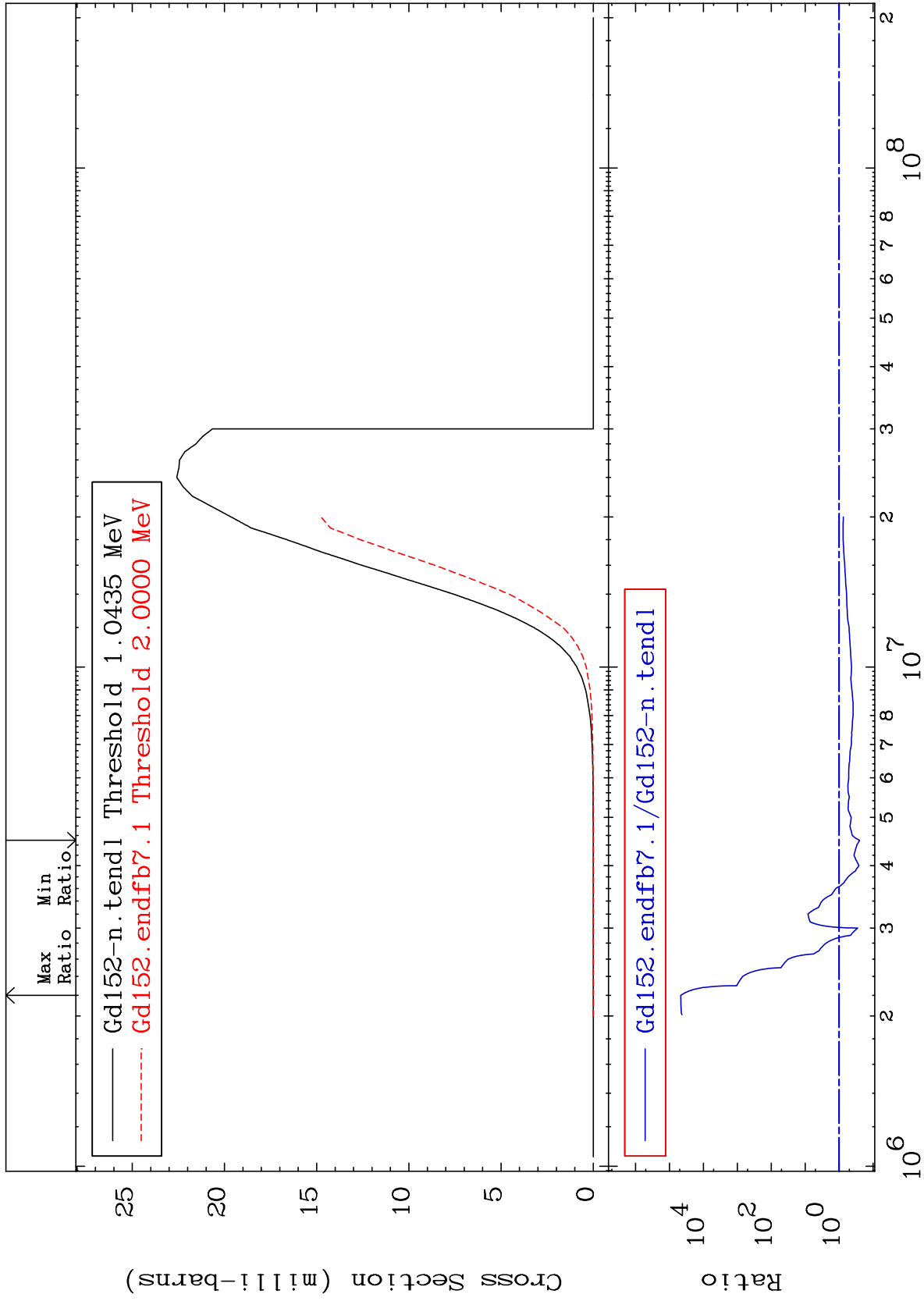
64-Gd-152

MAT 6425

64-Gd-152

-75.00 To 9999. %

(n,p)
Cross Section



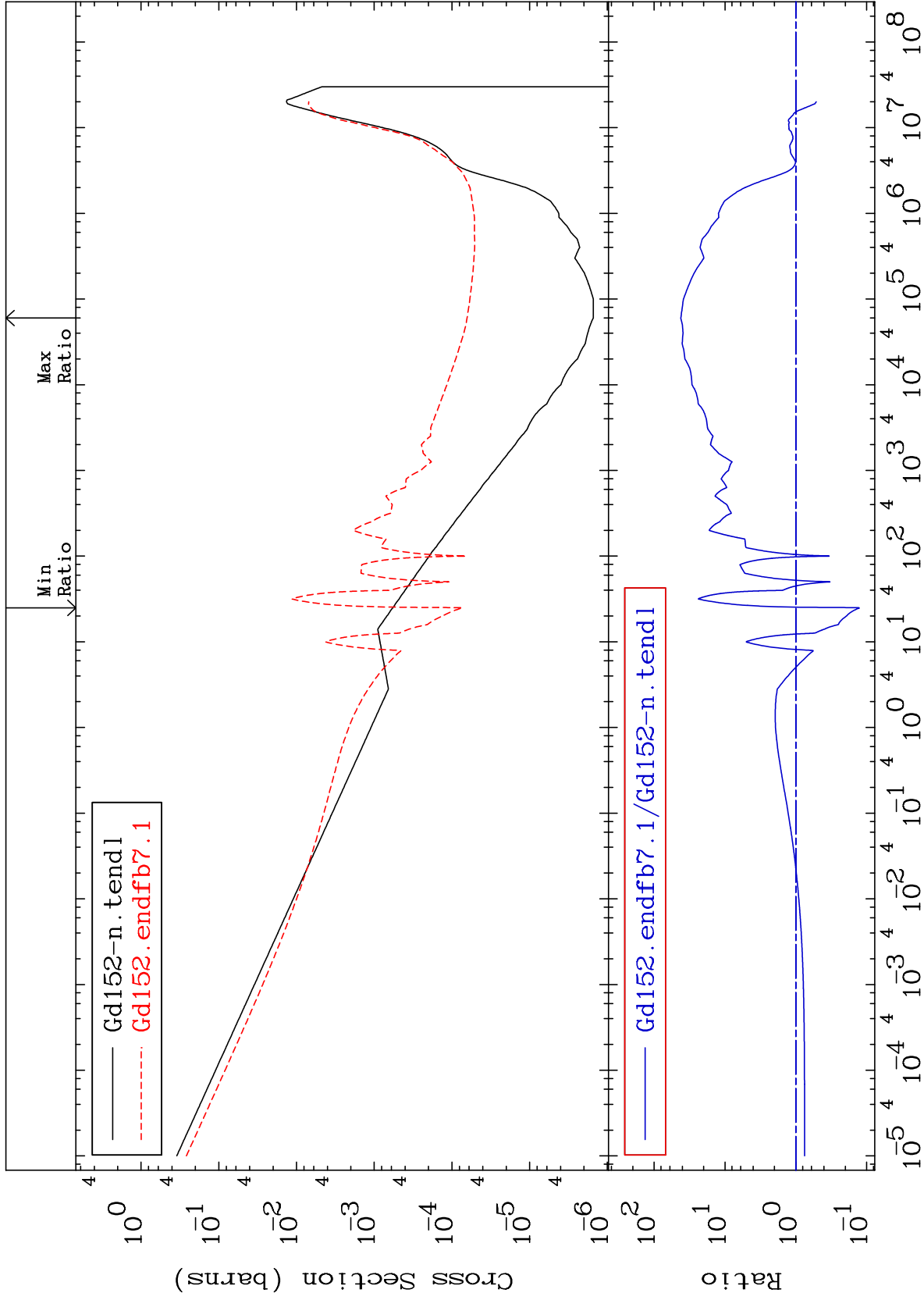
64-Gd-152

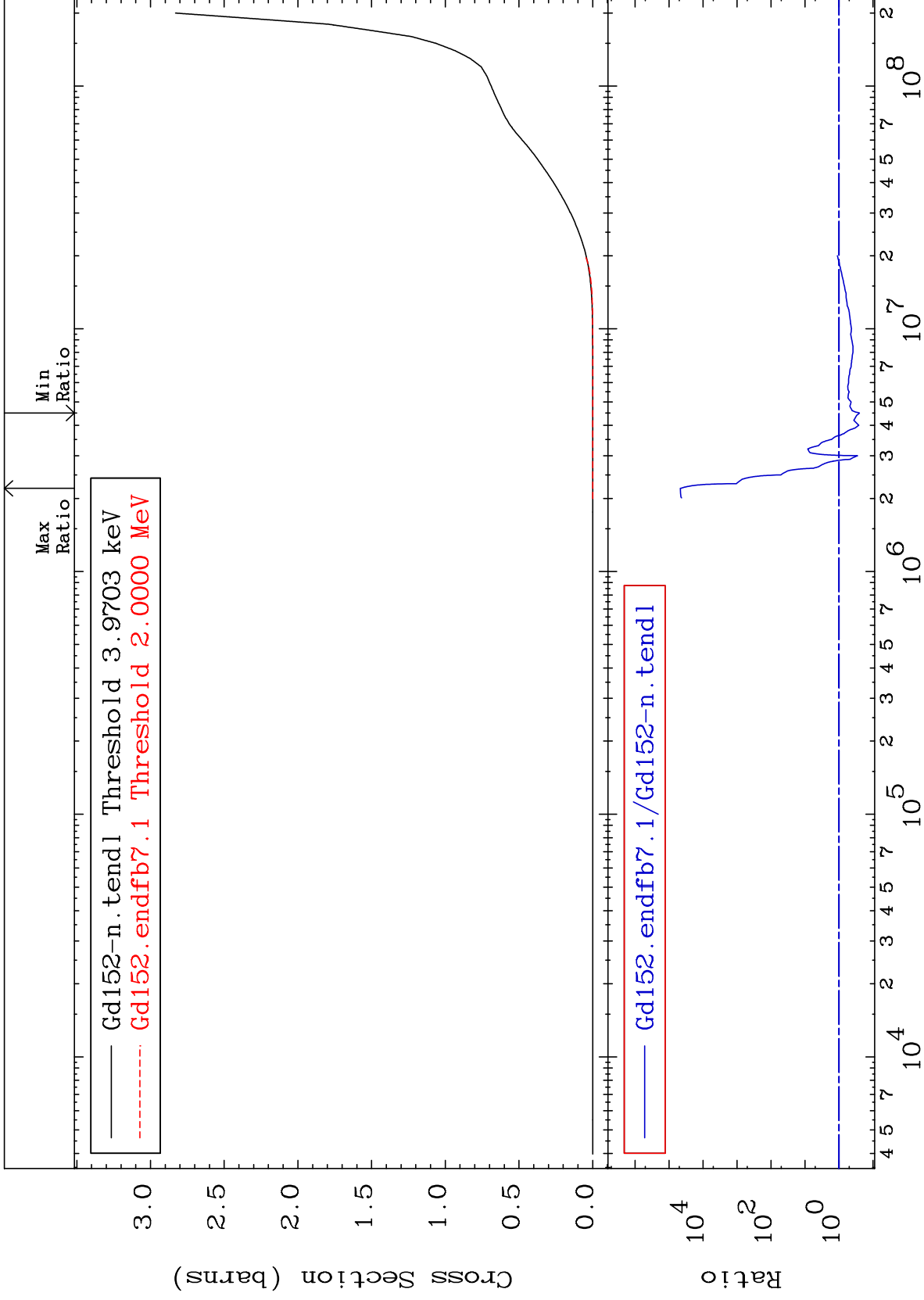
Incident Energy (eV)

42

MAT 6425

(n, α)
Cross Section
64-Gd-152
-87.40 To 4110. %

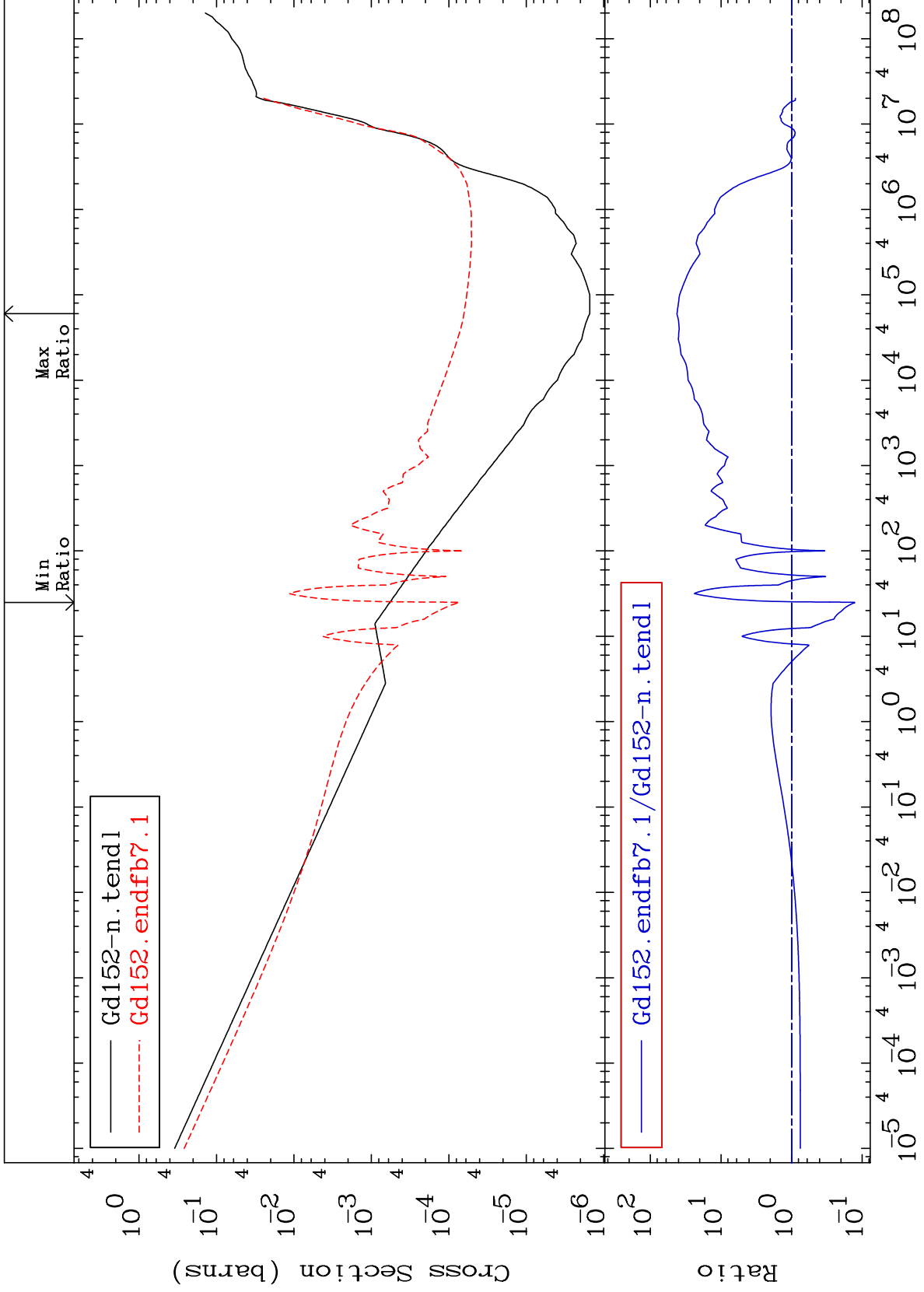




MAT 6425

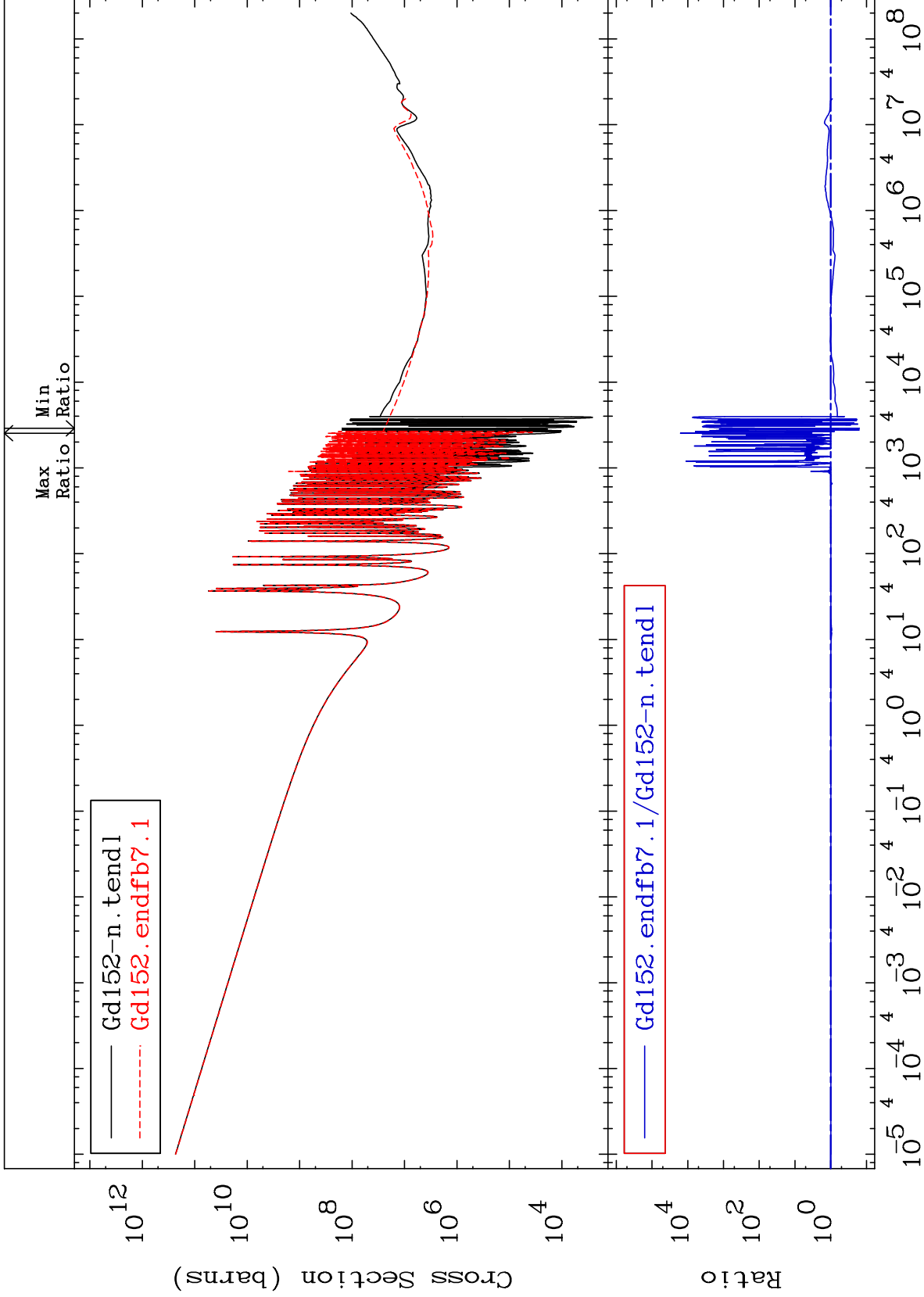
He-4 Production
Cross Section

64-Gd-152
-87.40 To 4110. %



Cross Section

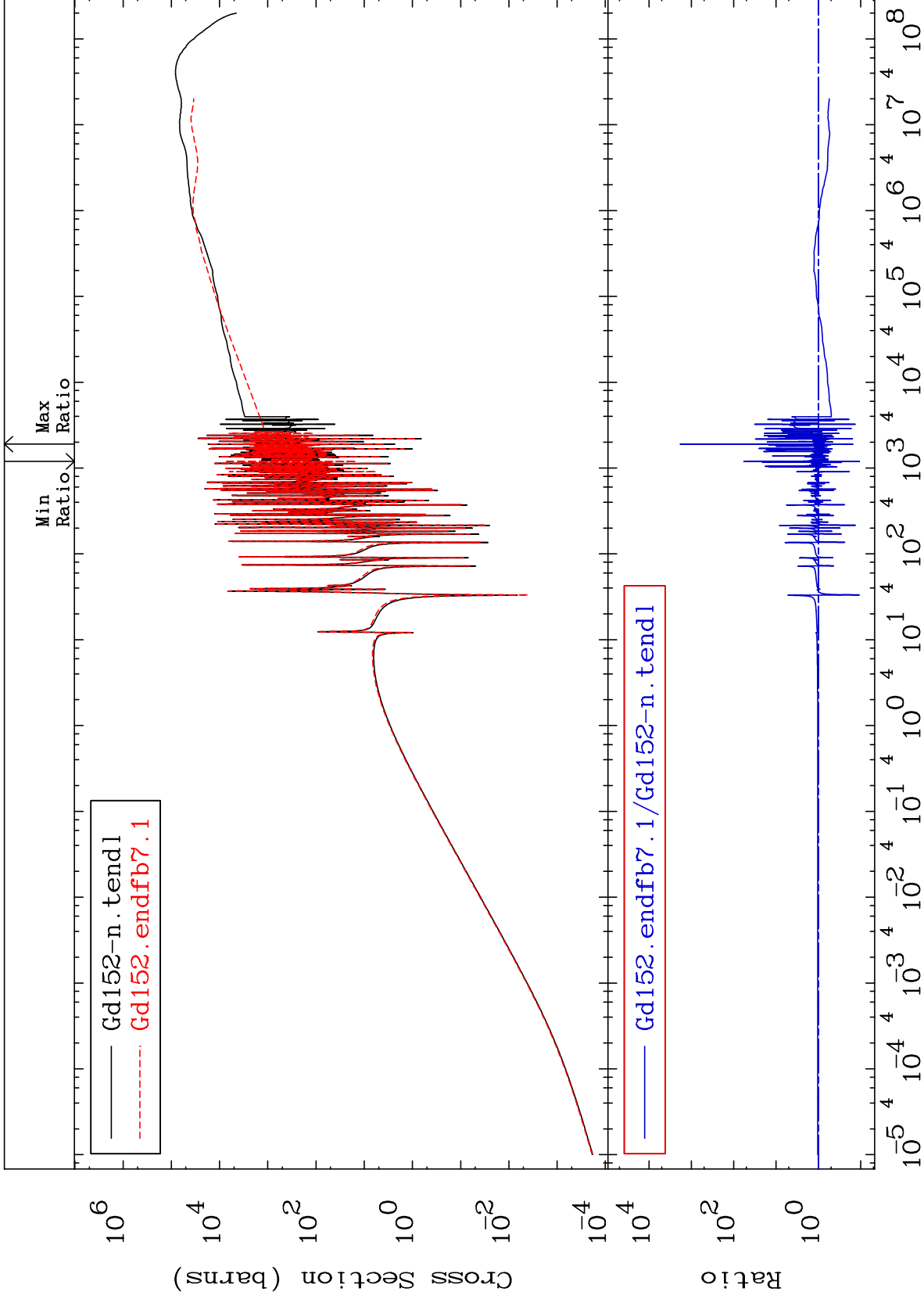
-84.28 To 9999. %

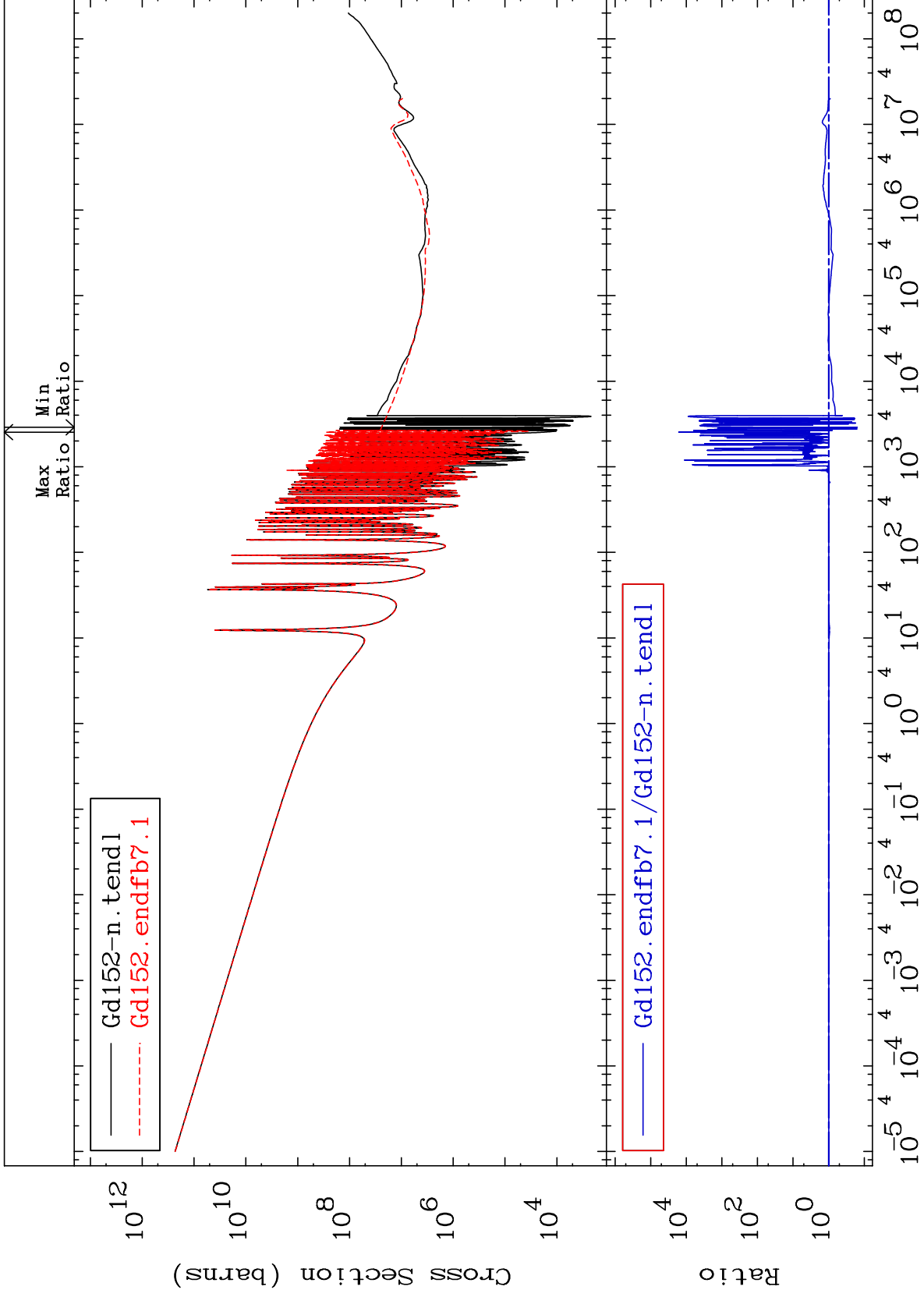


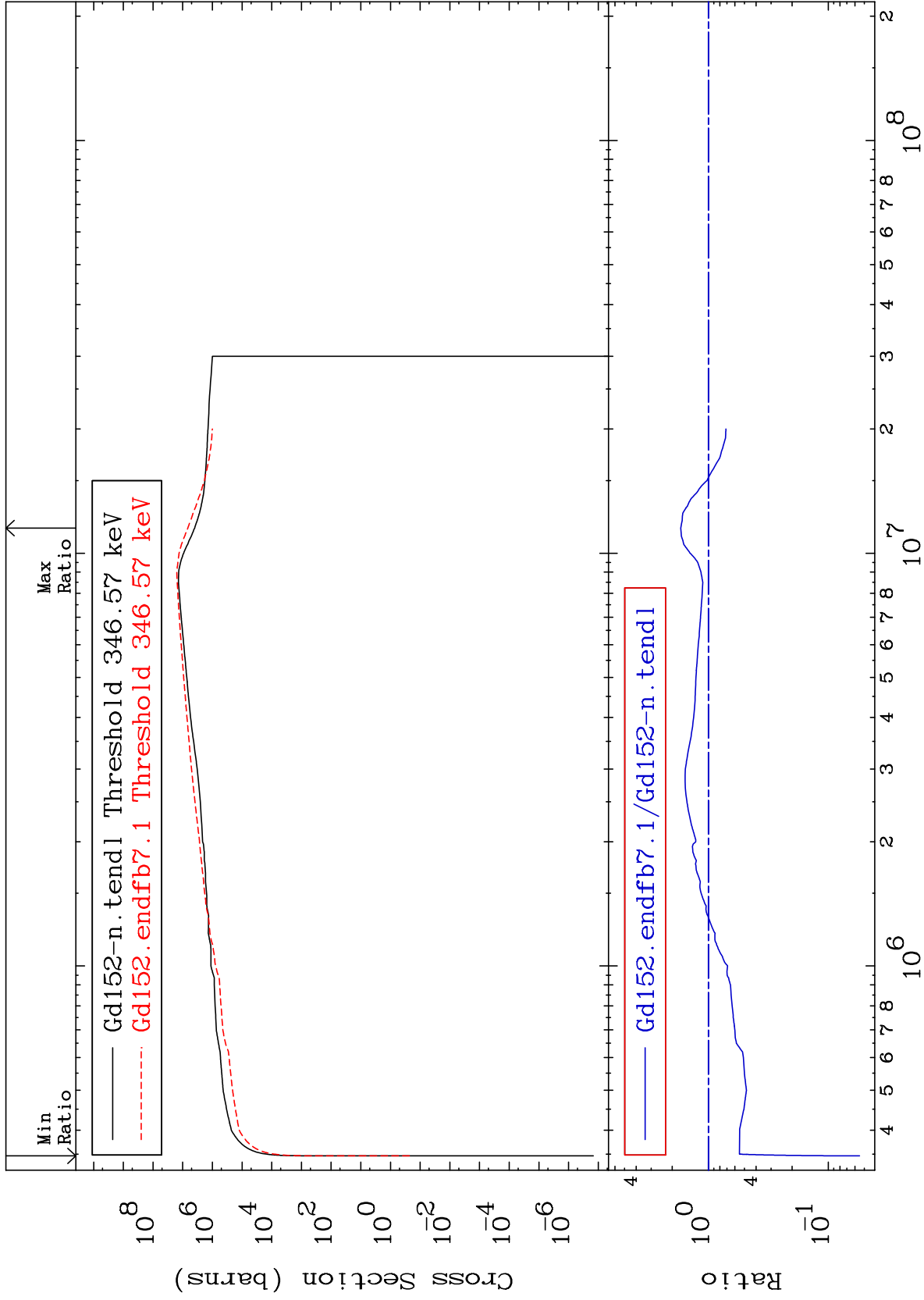
MAT 6425

Kerma elastic
Cross Section

64-Gd-152
-89.33 To 9999. %



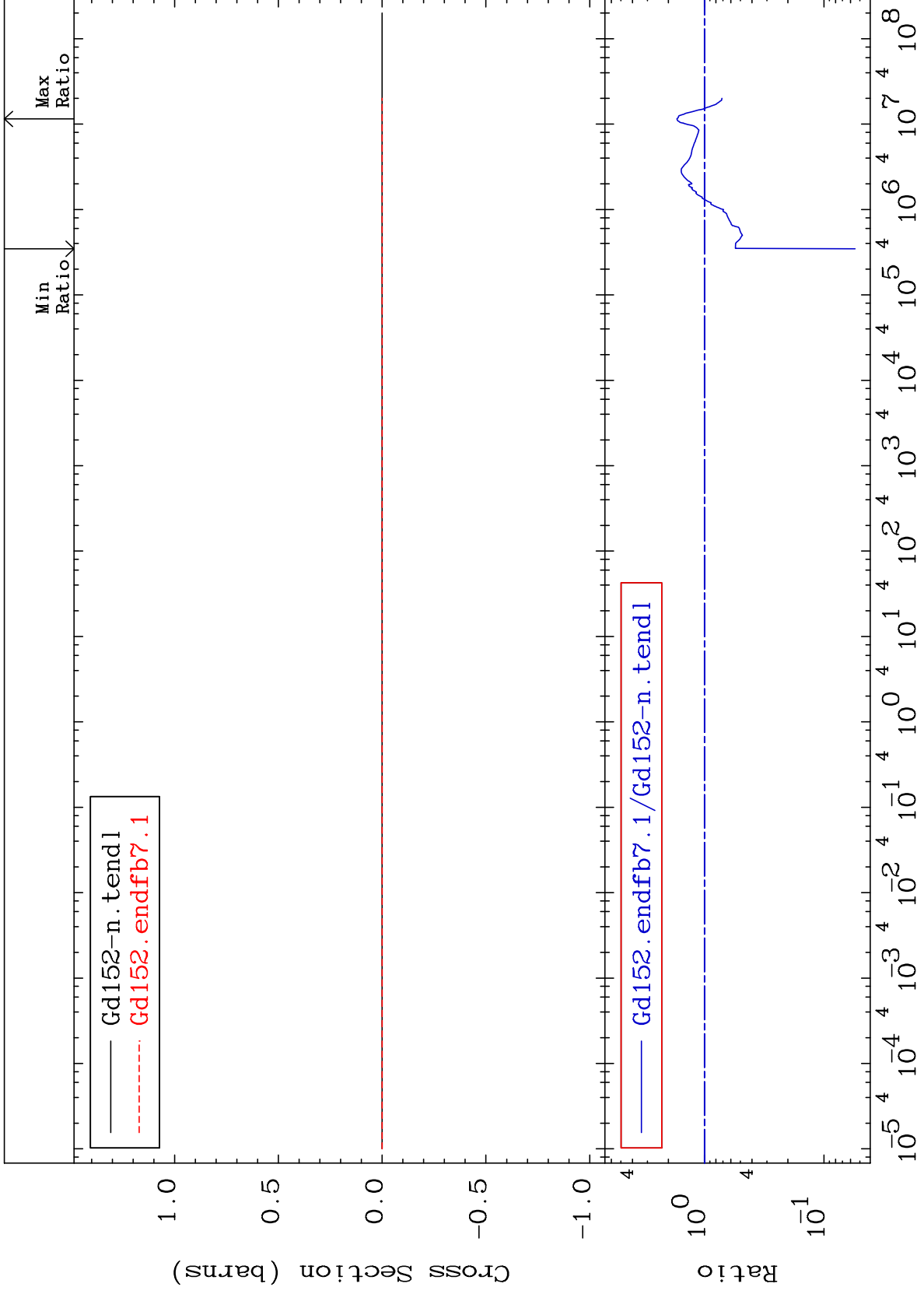


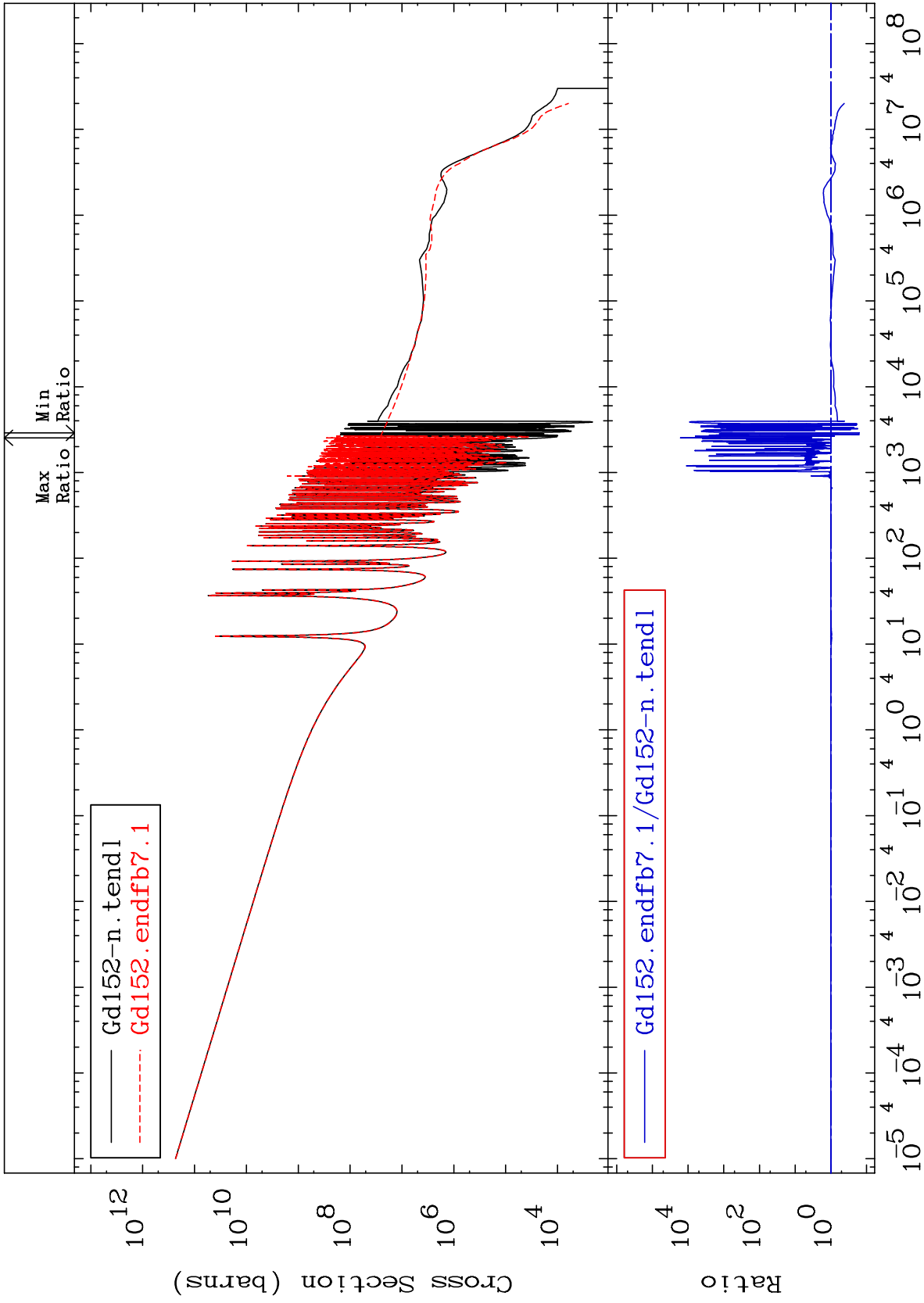


MAT 6425

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

64-Gd-152
-94.51 To 69.71 %

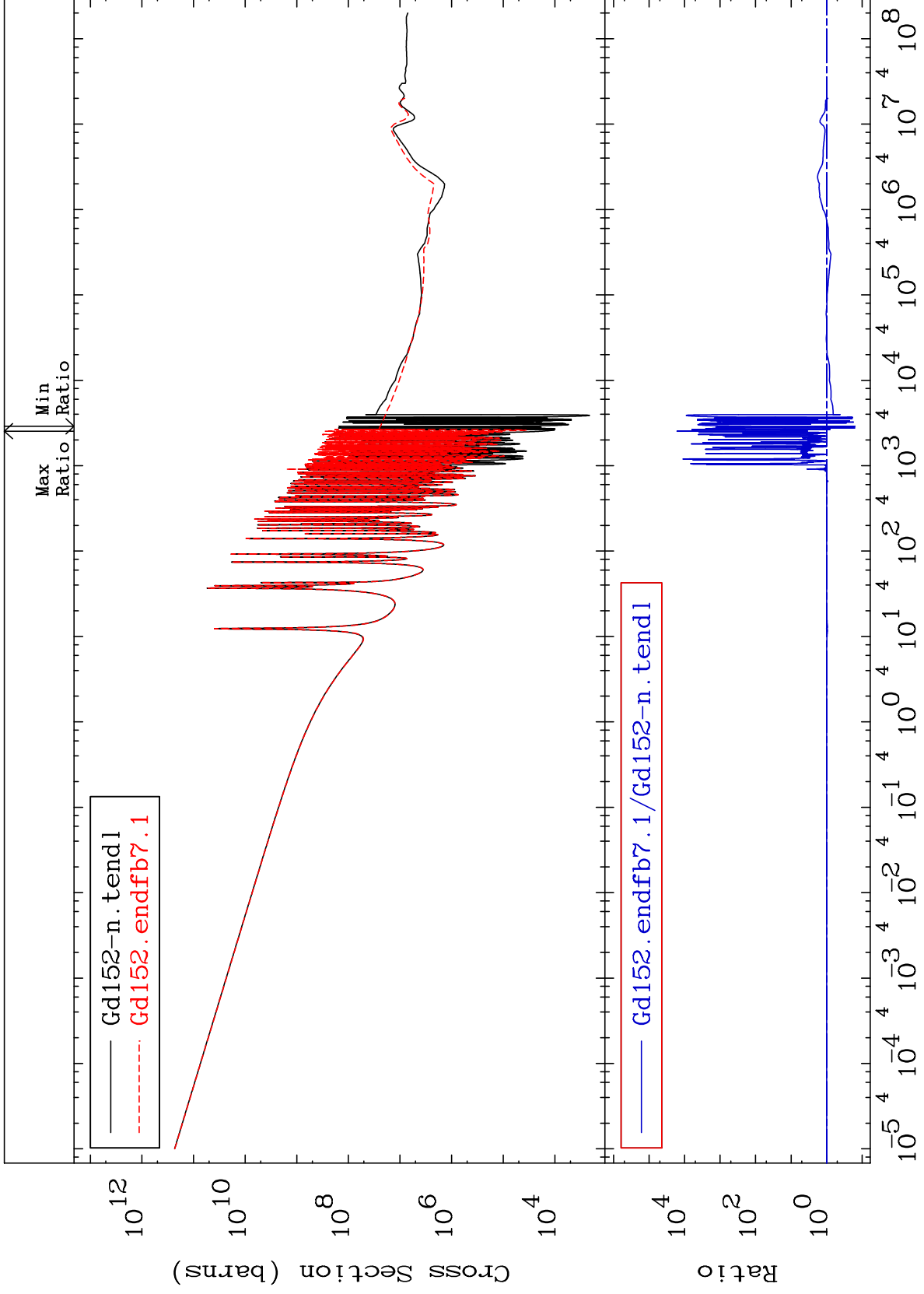




MAT 6425

Total photon (eV-barns)
Cross Section

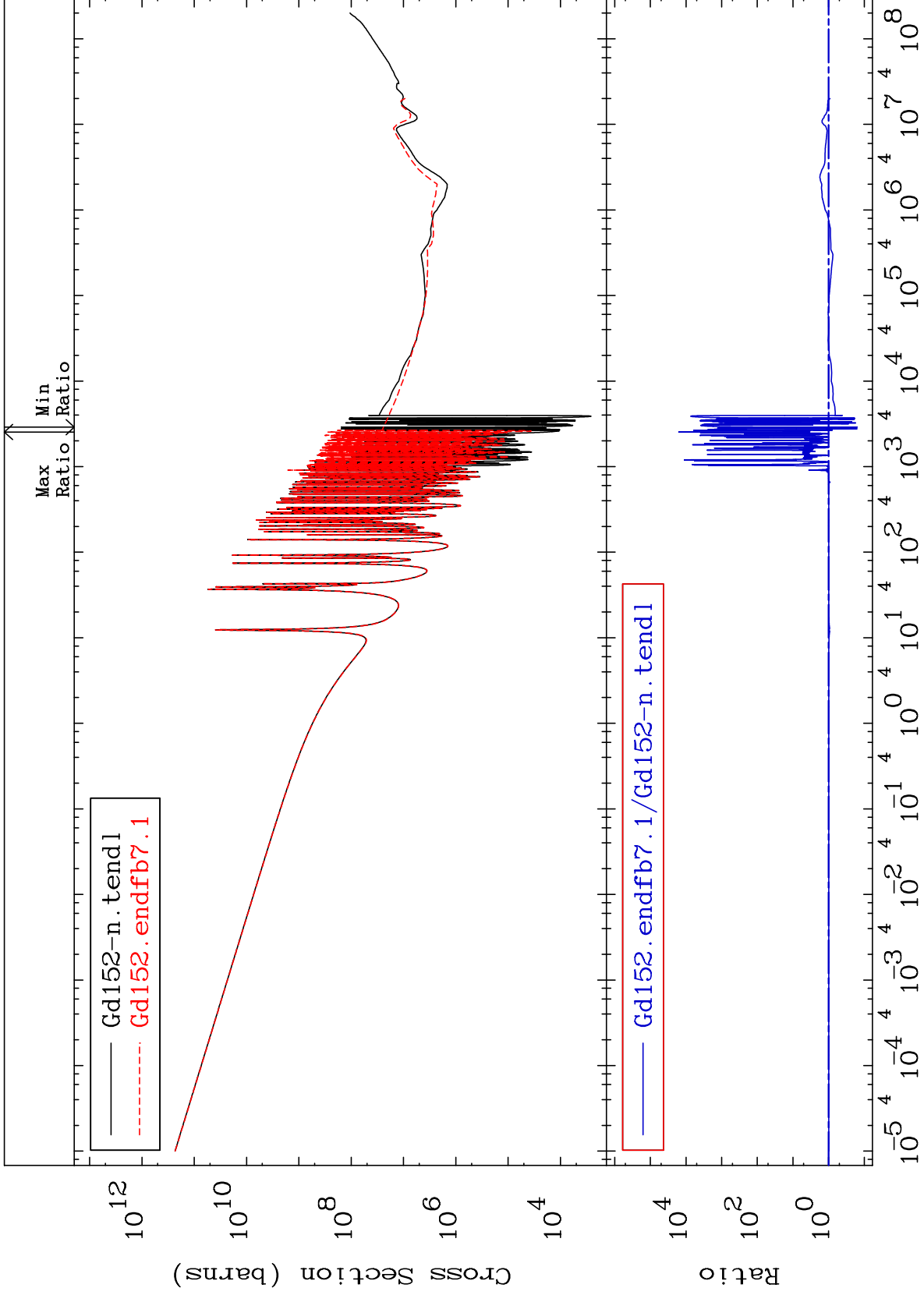
64-Gd-152
-84.28 To 9999. %

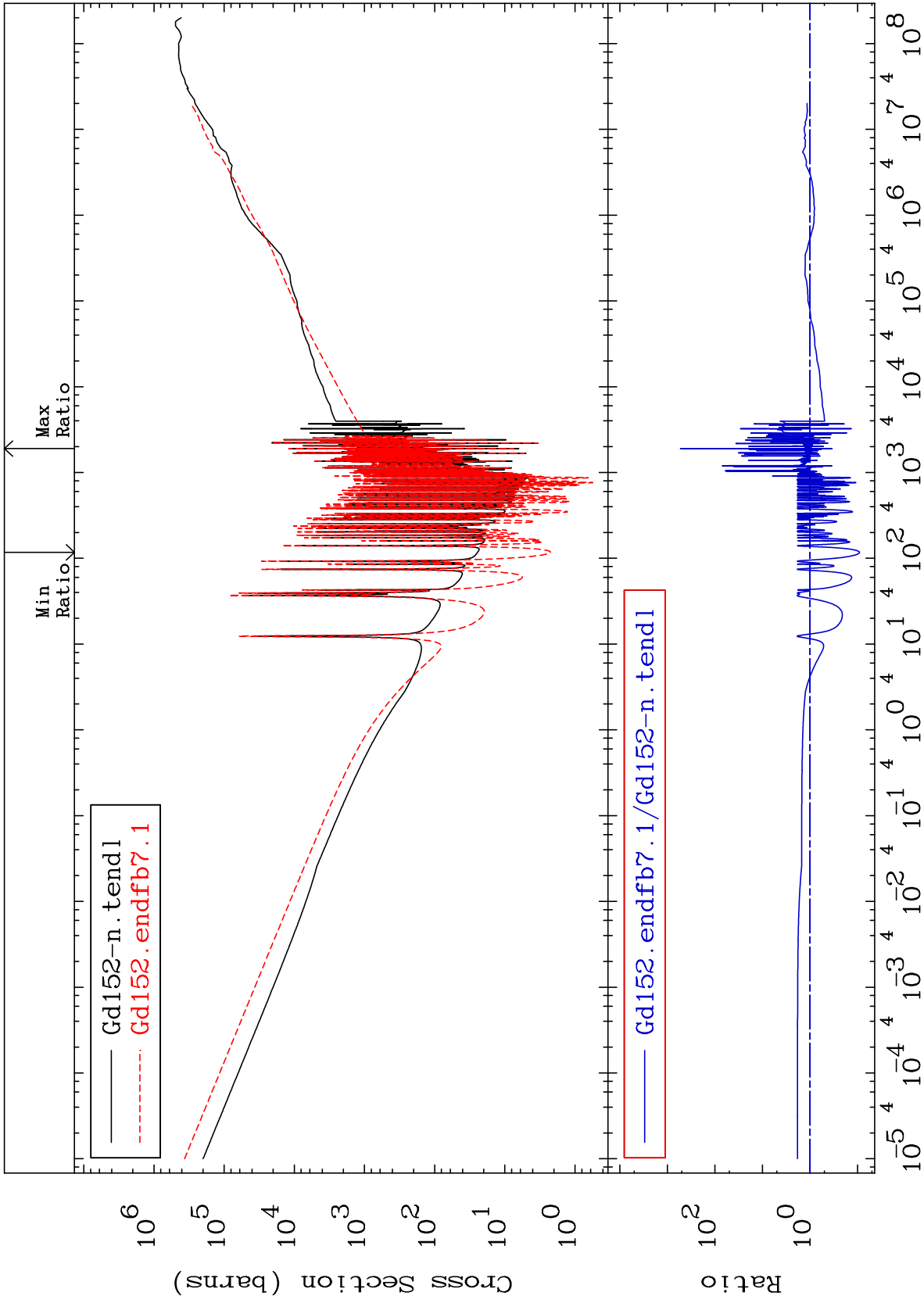


52

Incident Energy (eV)

64-Gd-152

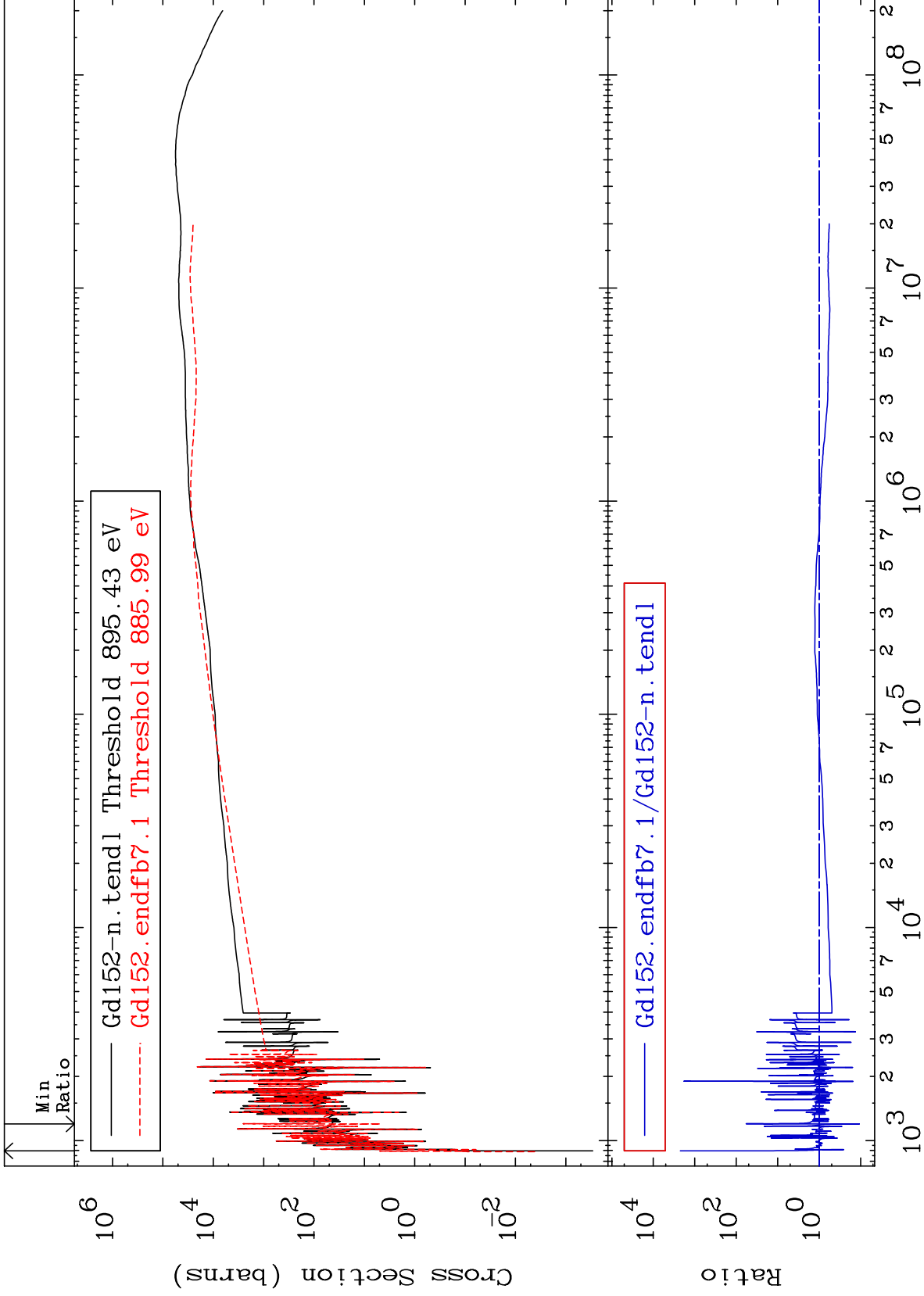




MAT 6425

Dpa elastic (mt2)
Cross Section

64-Gd-152
-89.34 To 9999. %



55

Incident Energy (eV)

64-Gd-152

