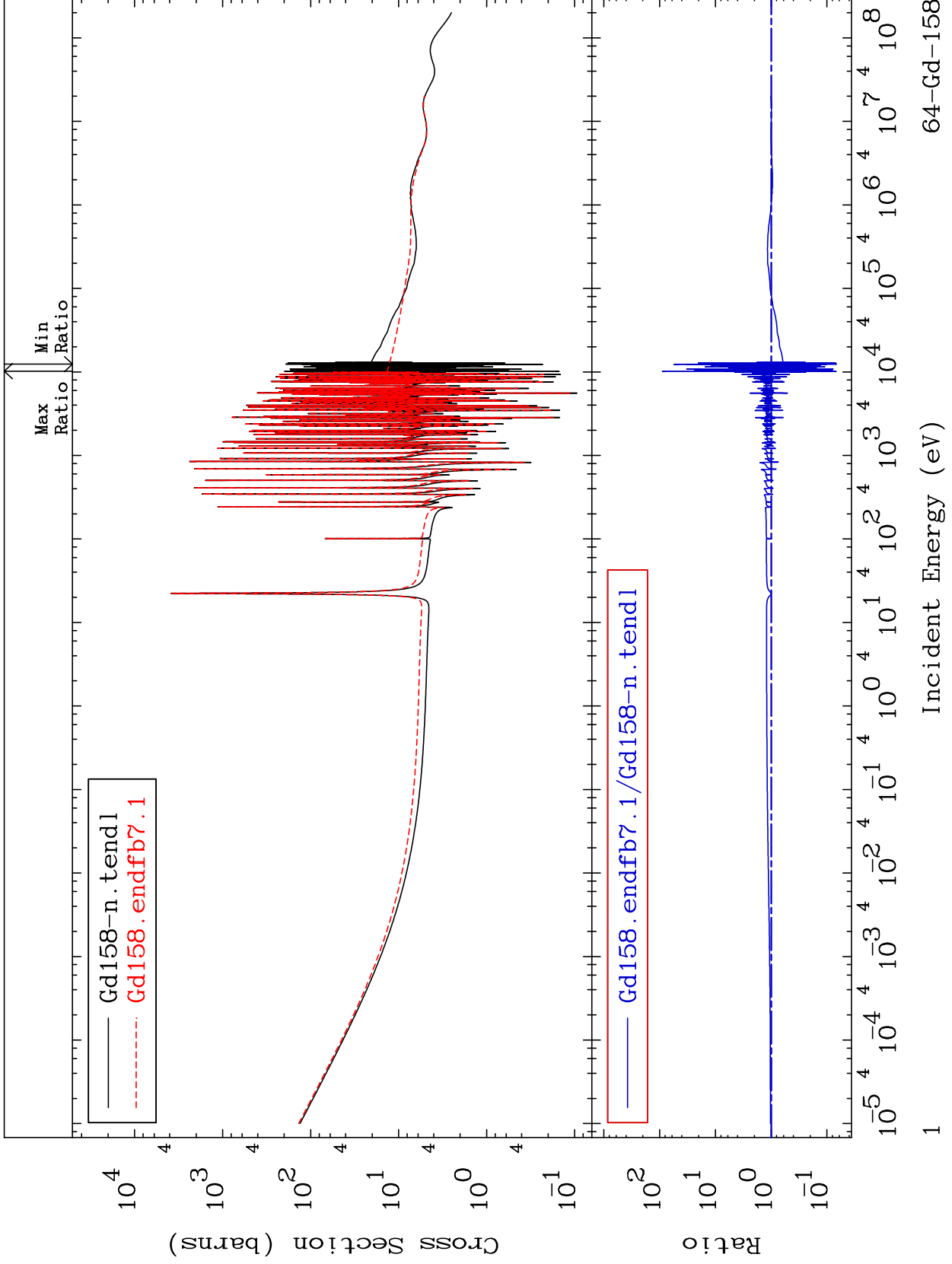


MAT 6443

Total
Cross Section

64-Gd-158
-93.29 To 8859. %

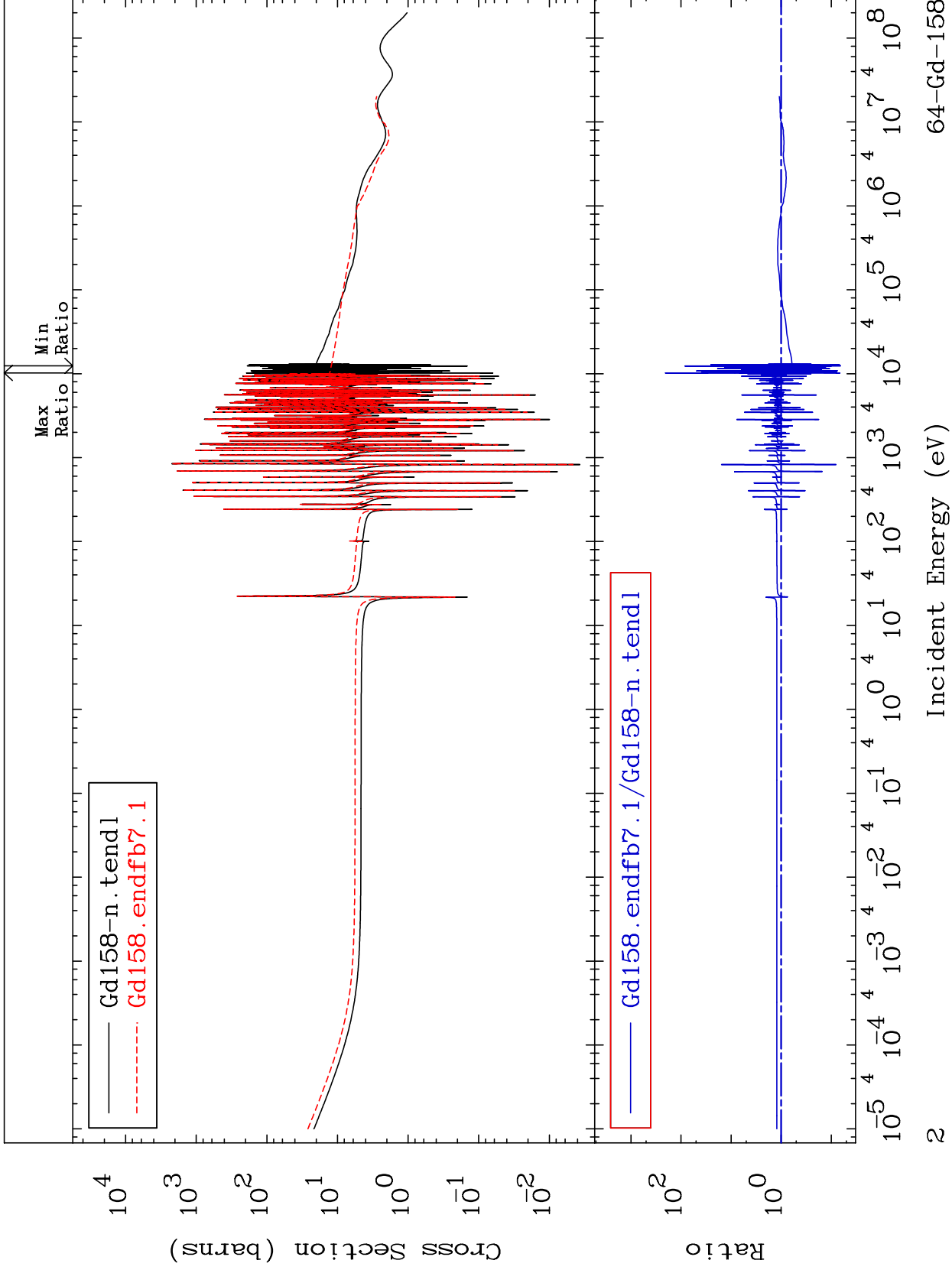


64-Gd-158

MAT 6443

Elastic
Cross Section

64-Gd-158
-93.52 To 9999. %



2

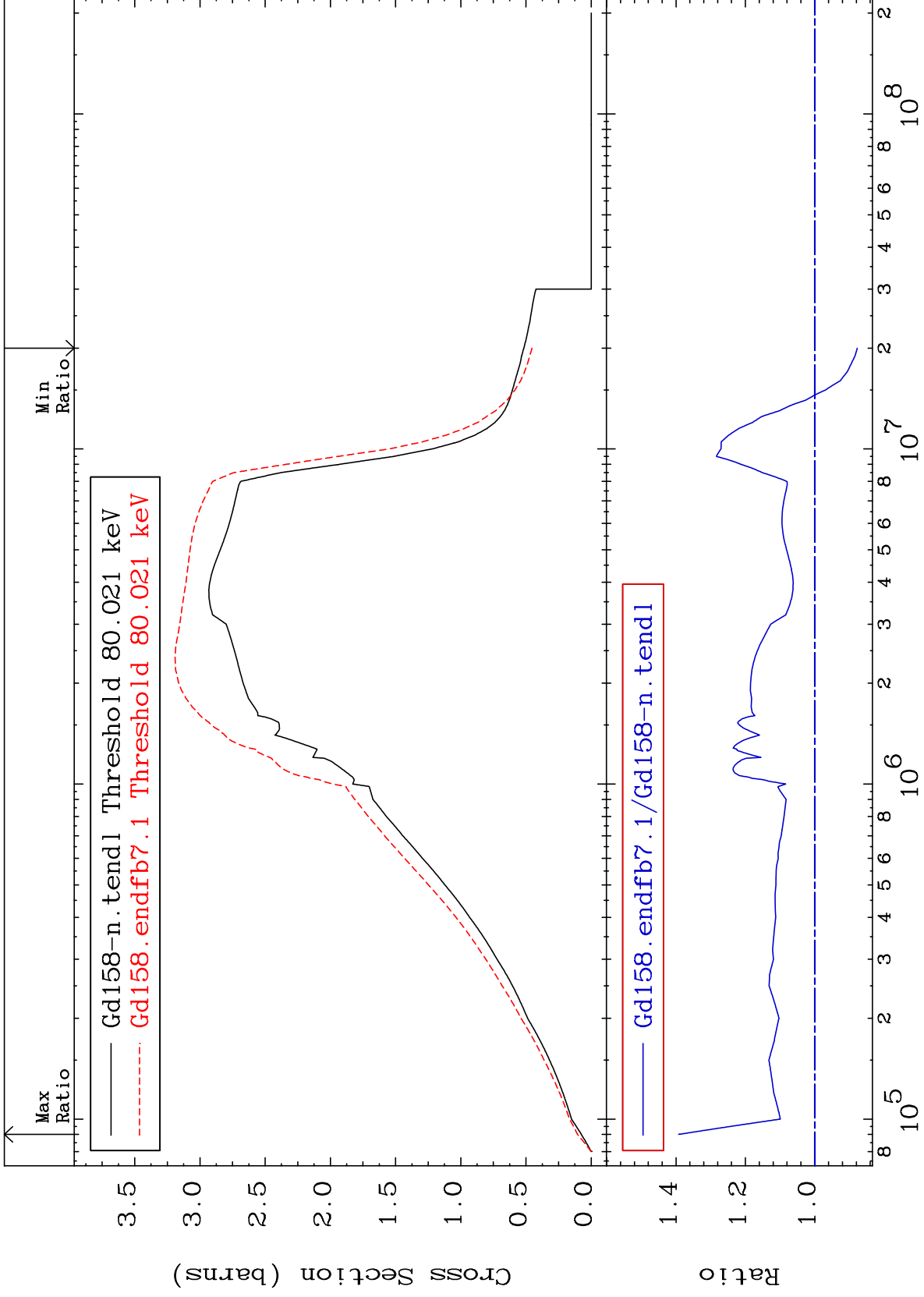
Incident Energy (eV)

64-Gd-158

MAT 6443

Inelastic
Cross Section

64-Gd-158
-12.26 To 39.25 %



3

Incident Energy (eV)

64-Gd-158

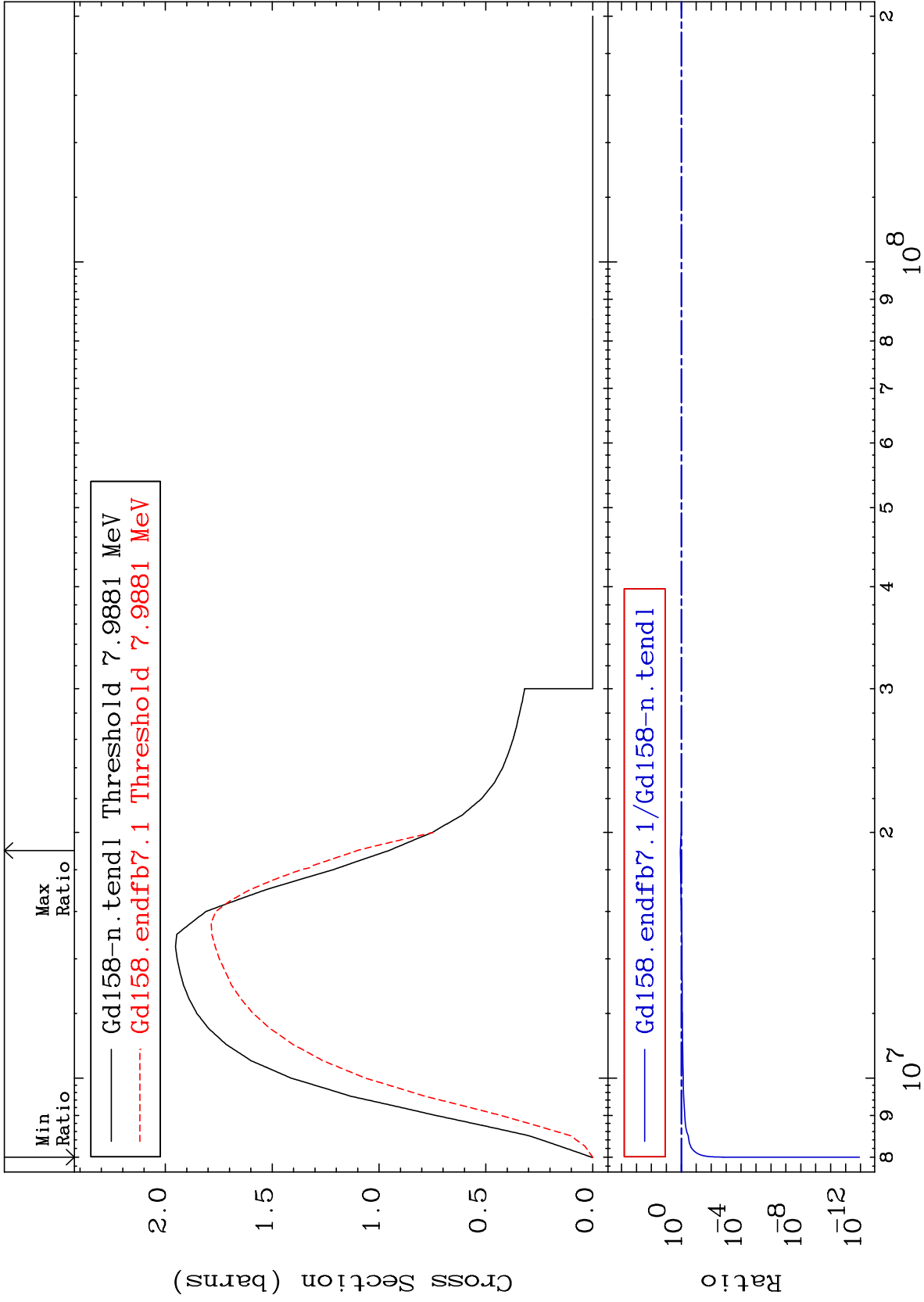
MAT 6443

(n,2n)

64-Gd-158

Cross Section

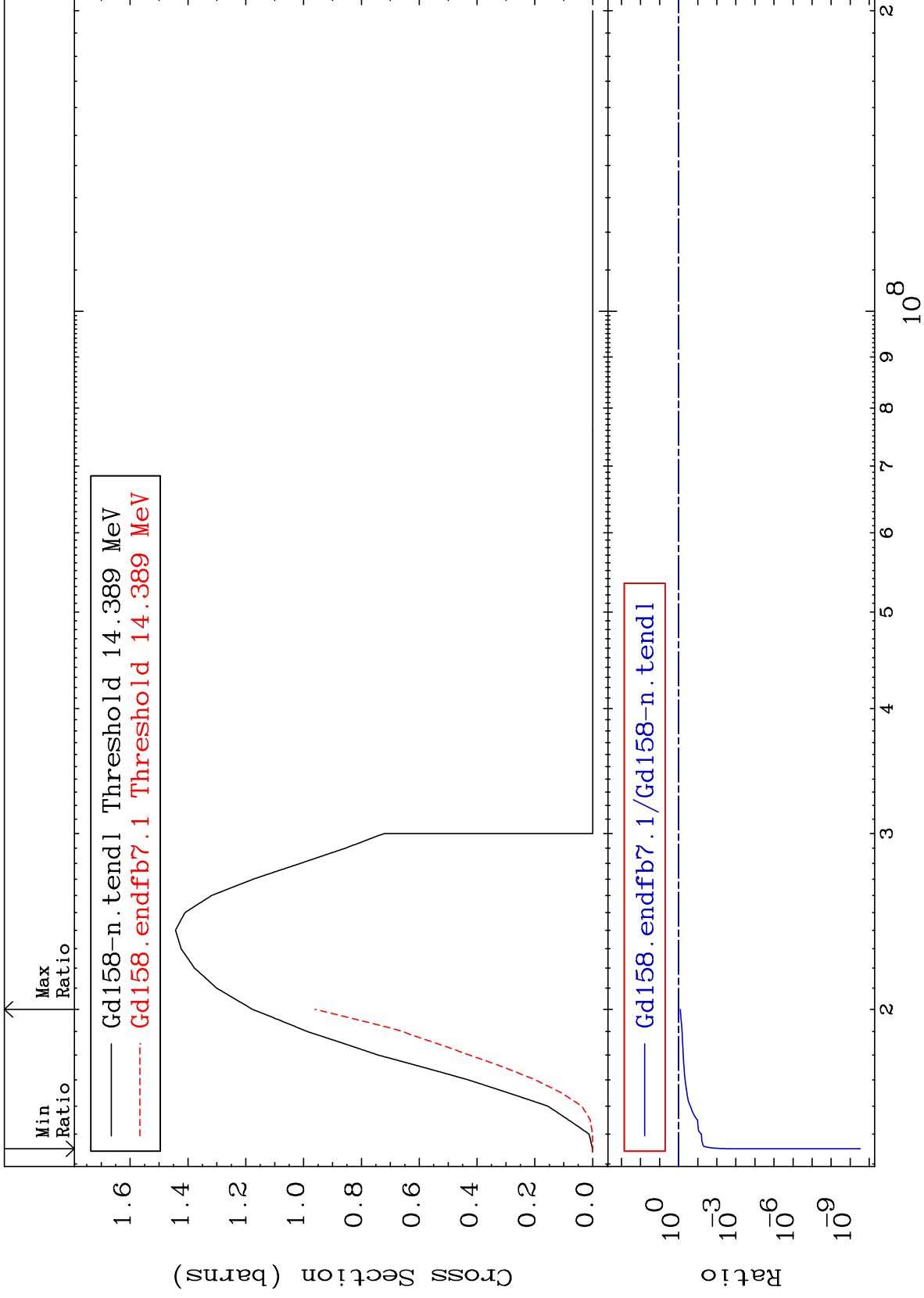
-100.0 To 15.65 %



4

Incident Energy (eV)

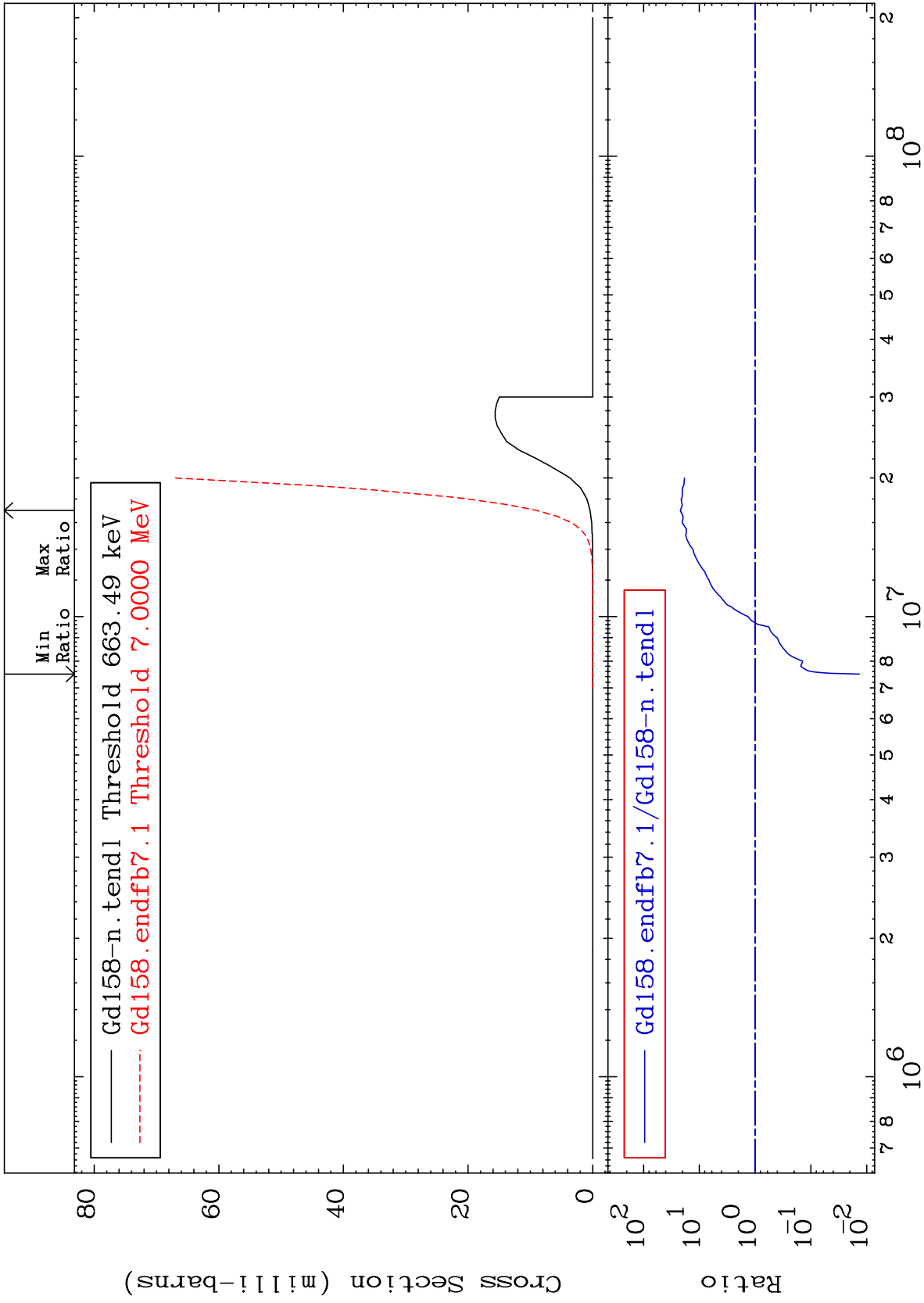
64-Gd-158



MAT 6443

64-Gd-158
-98.65 To 2091. %

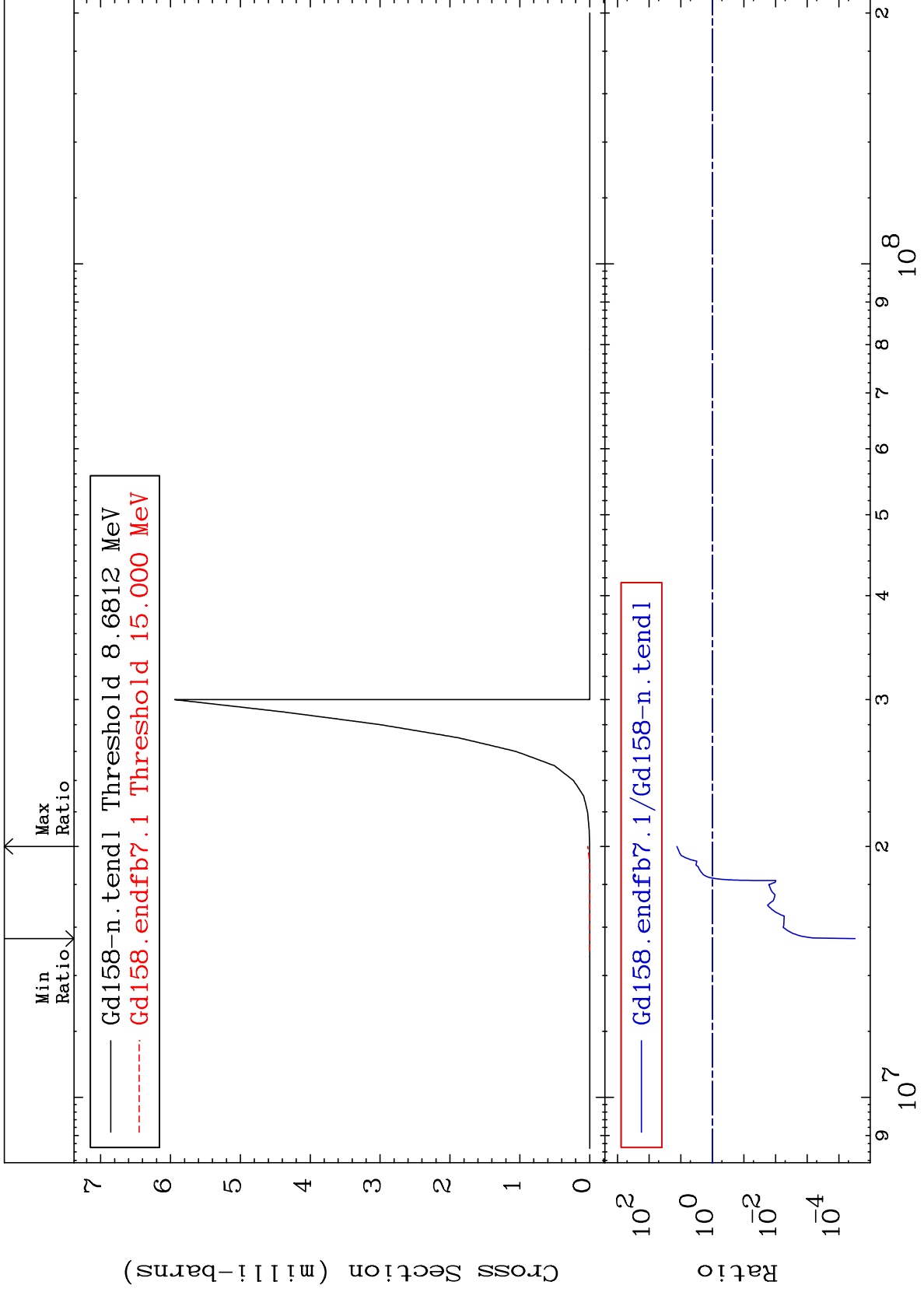
(n,n') α
Cross Section



MAT 6443

(n,2n) α
Cross Section

64-Gd-158
-100.0 To 1221. %



7

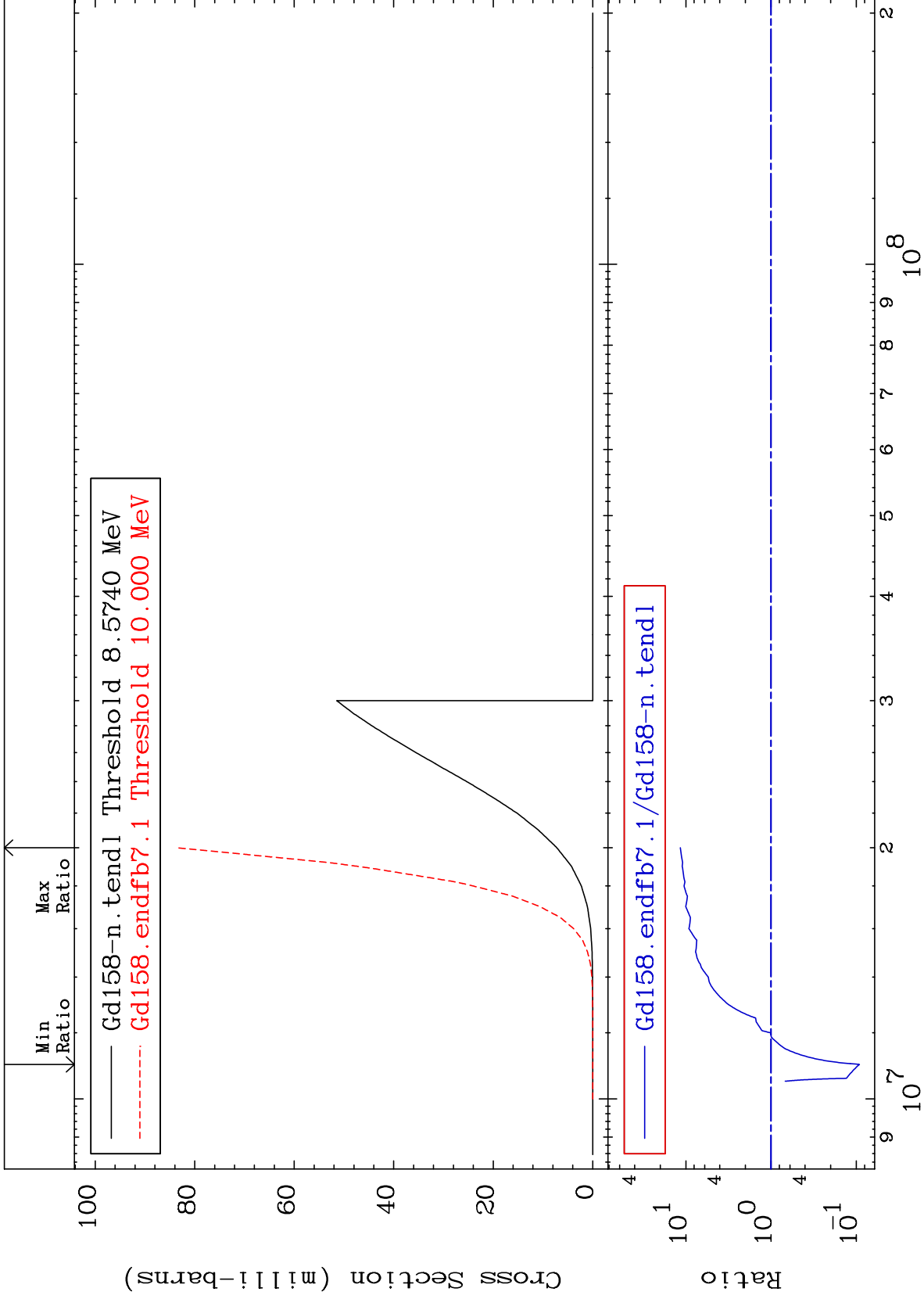
Incident Energy (eV)

64-Gd-158

MAT 6443

(n,n') p
Cross Section

64-Gd-158
-90.81 To 1061. %



8

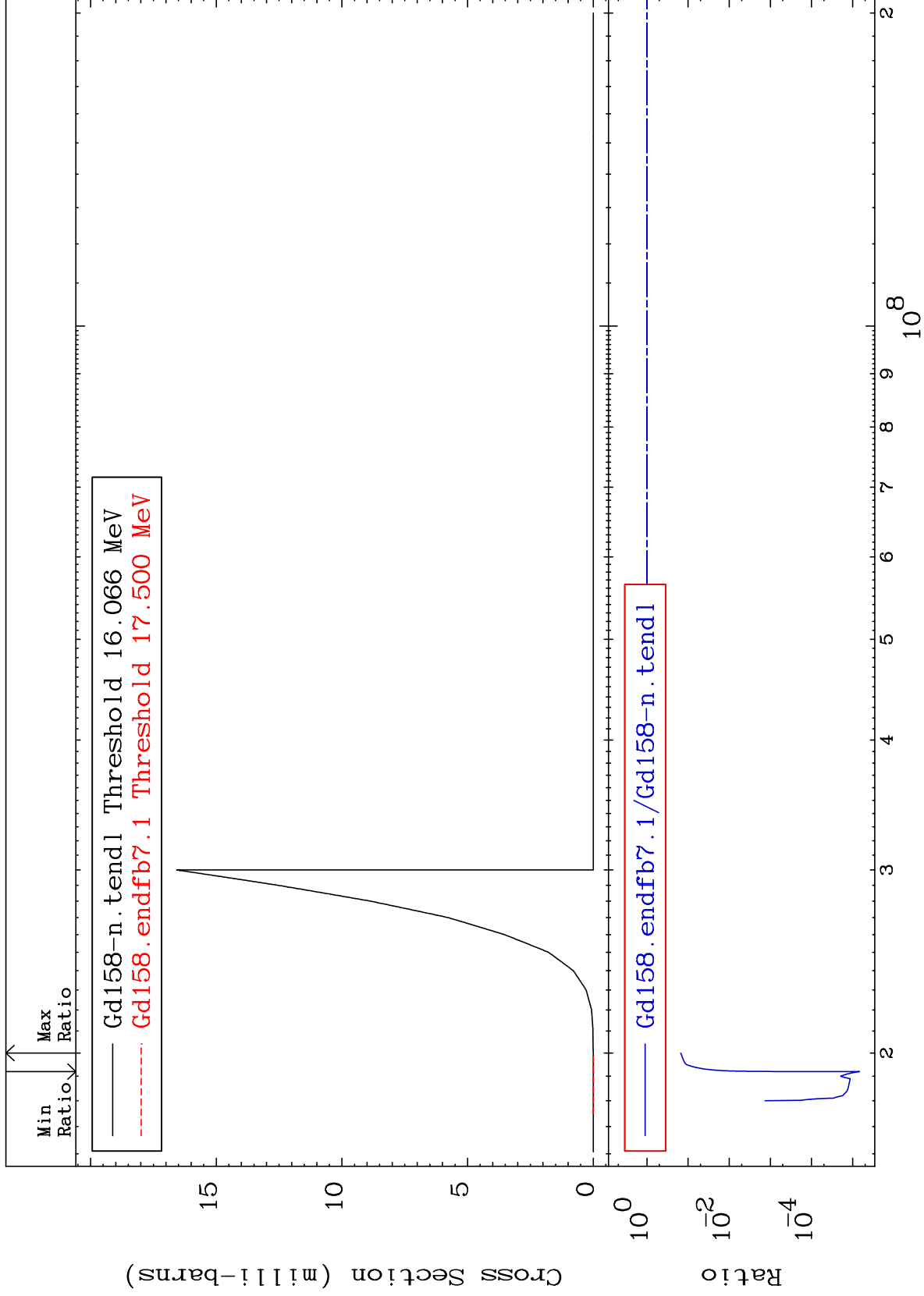
Incident Energy (eV)

64-Gd-158

MAT 6443

(n,2n) p
Cross Section

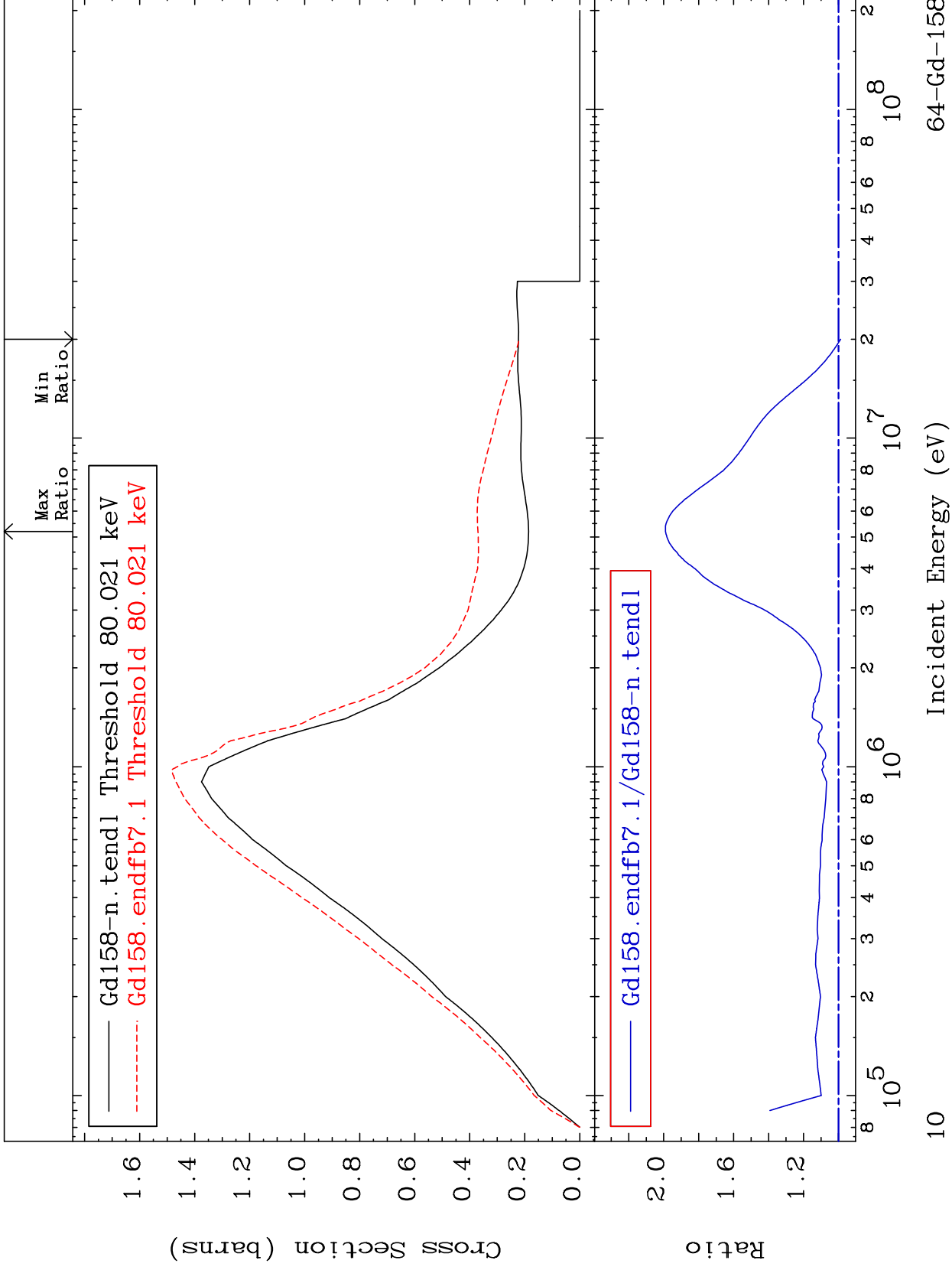
64-Gd-158
-100.0 To -84.94%



MAT 6443

79.51 keV (n,n') Level
Cross Section

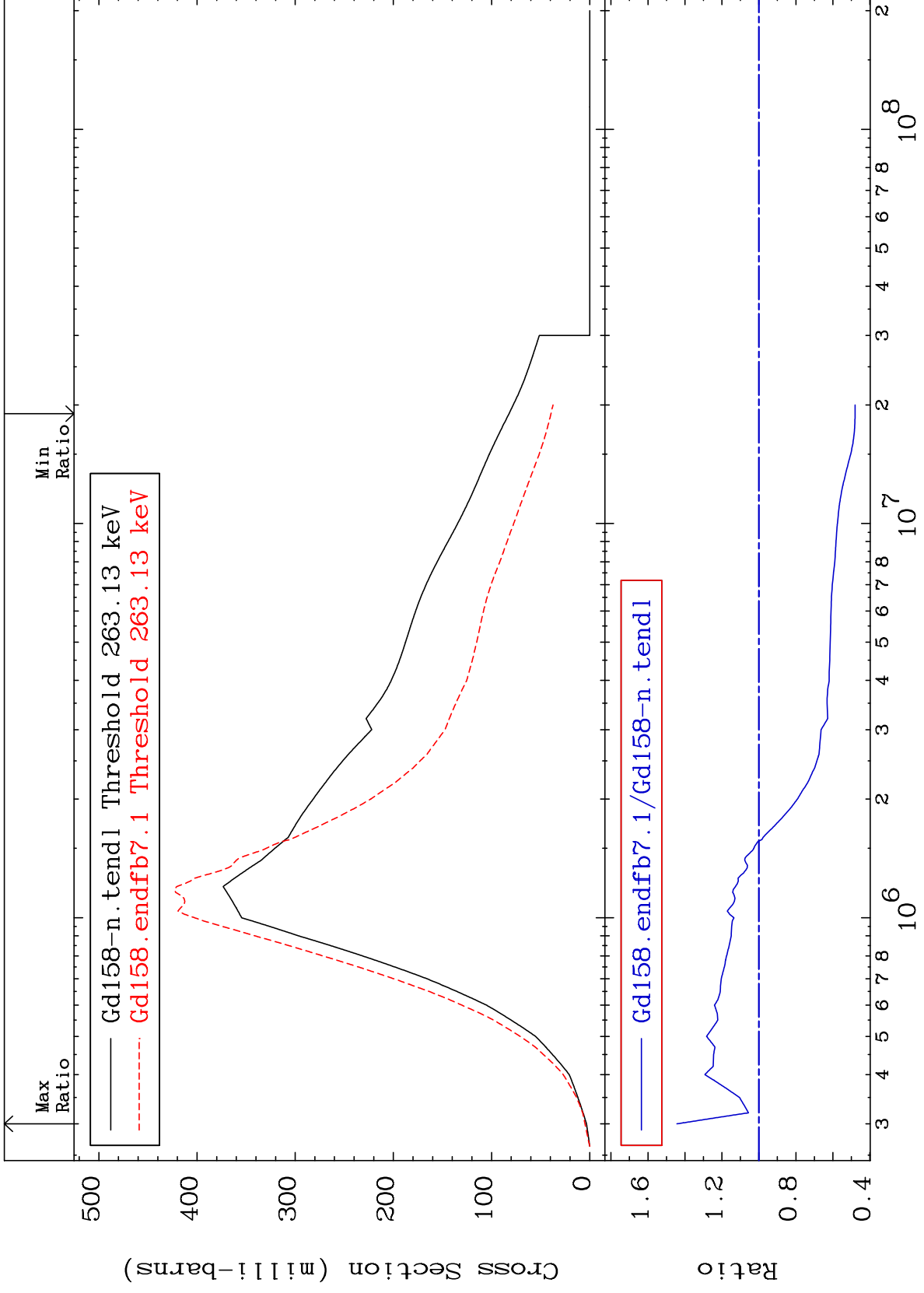
64-Gd-158
-1.230 To 98.98 %



MAT 6443

261.5 keV (n,n') Level
Cross Section

64-Gd-158
-52.03 To 44.33 %



11

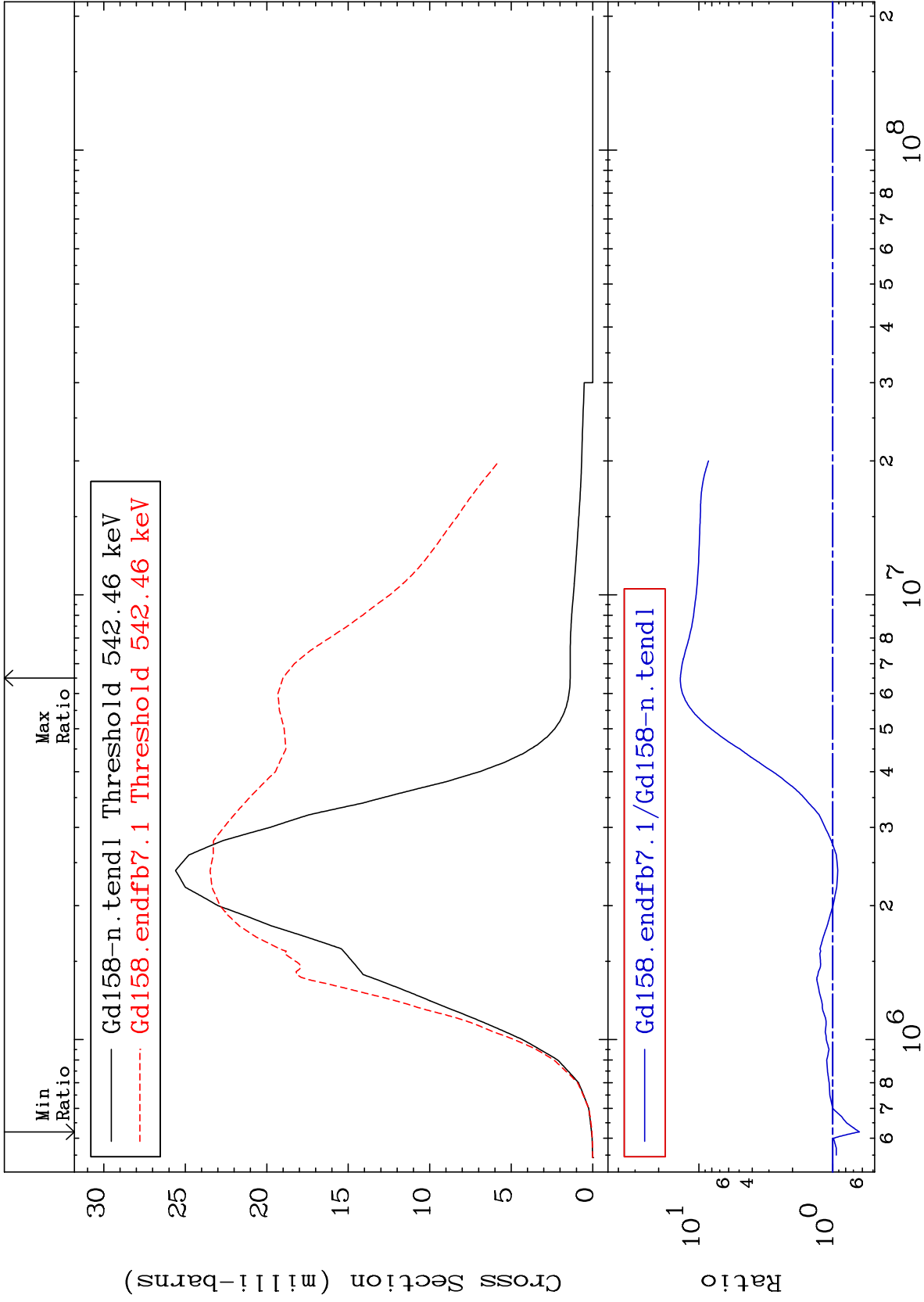
Incident Energy (eV)

64-Gd-158

MAT 6443

539.0 keV (n,n') Level
Cross Section

64-Gd-158
-36.83 To 1277. %



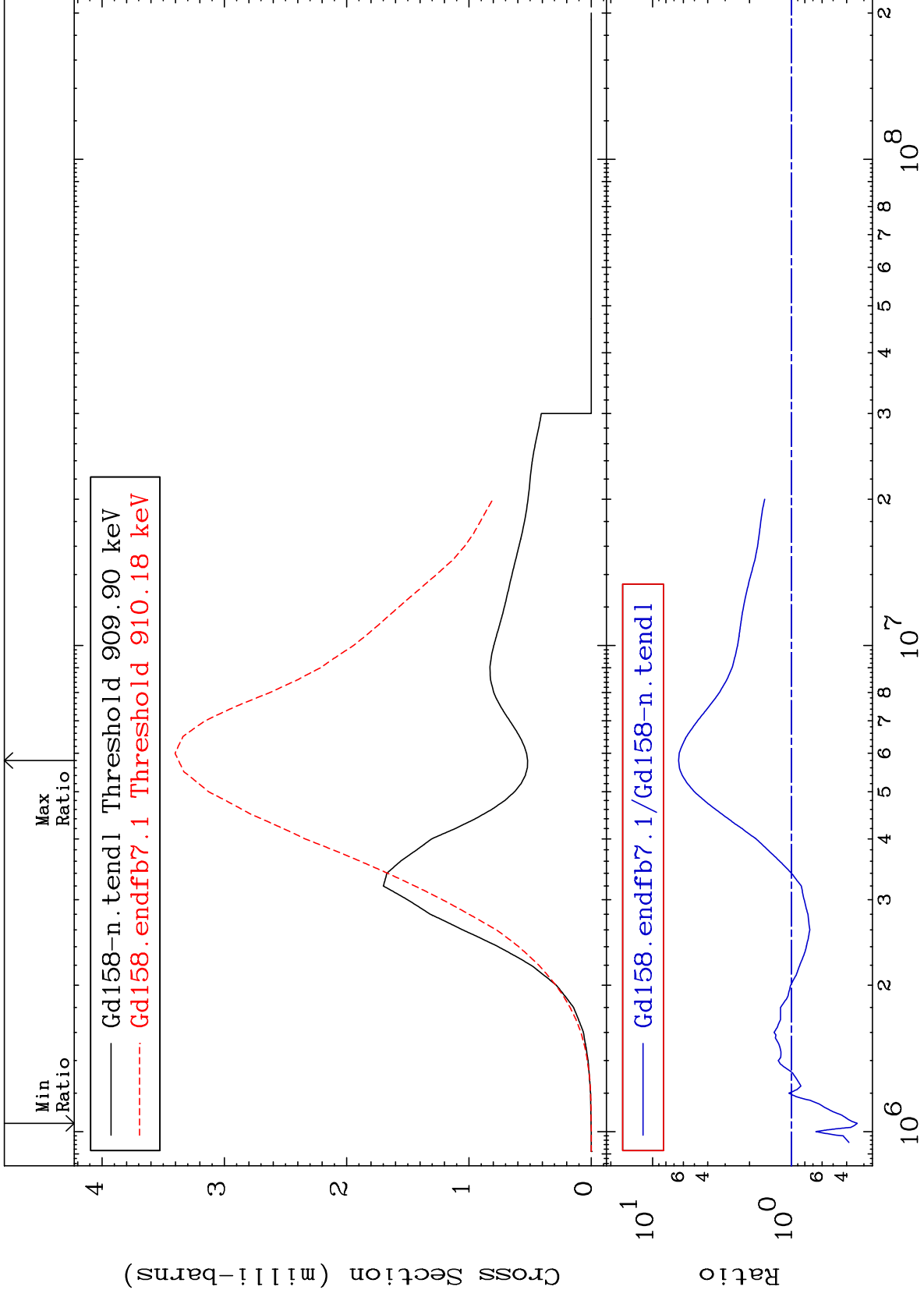
12

64-Gd-158

MAT 6443

904.1 keV (n,n') Level
Cross Section

64-Gd-158
-66.45 To 548.7 %



13

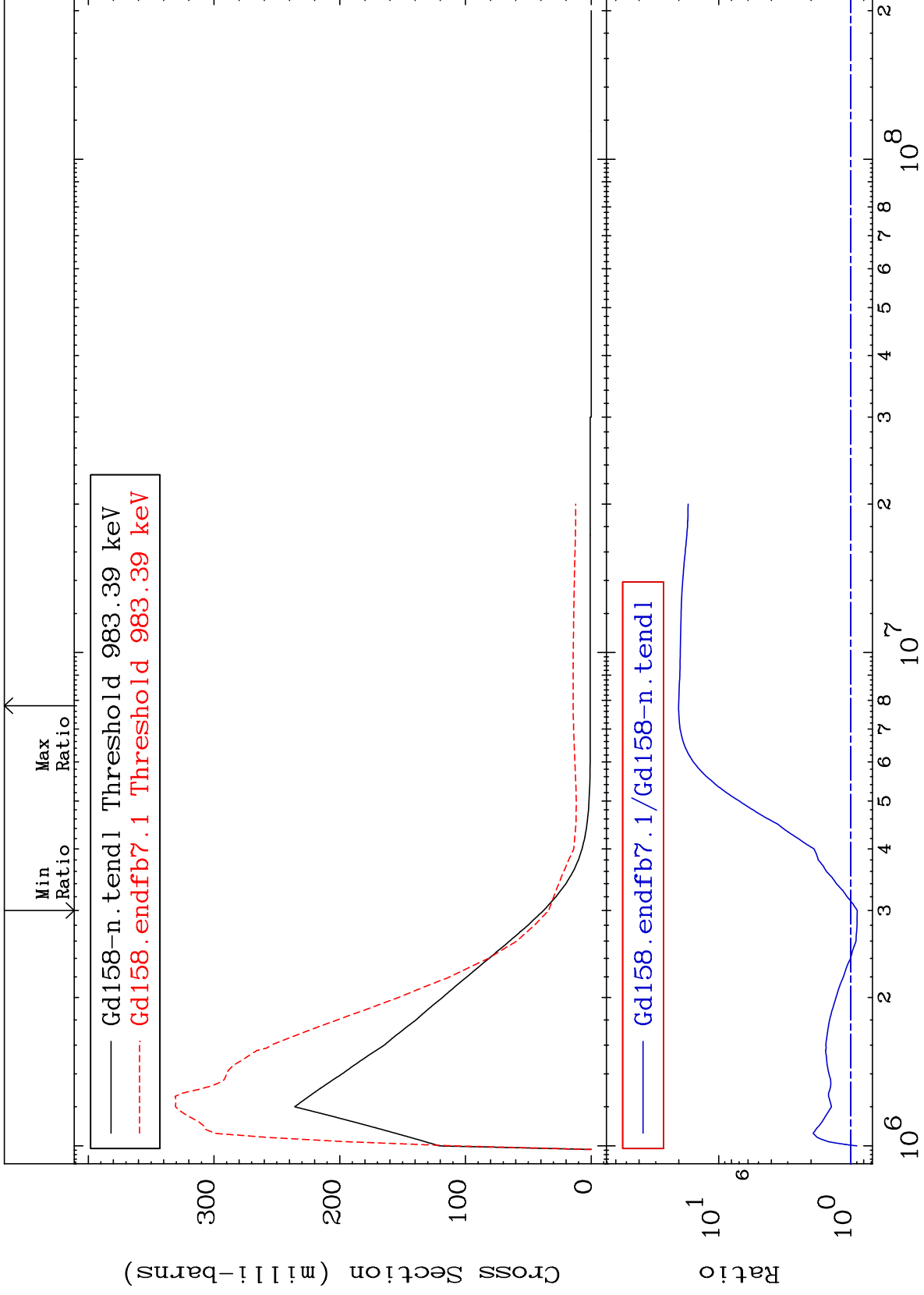
64-Gd-158

64-Gd-158

MAT 6443

977.1 keV (n,n') Level
Cross Section

64-Gd-158
-10.62 To 1909. %



14

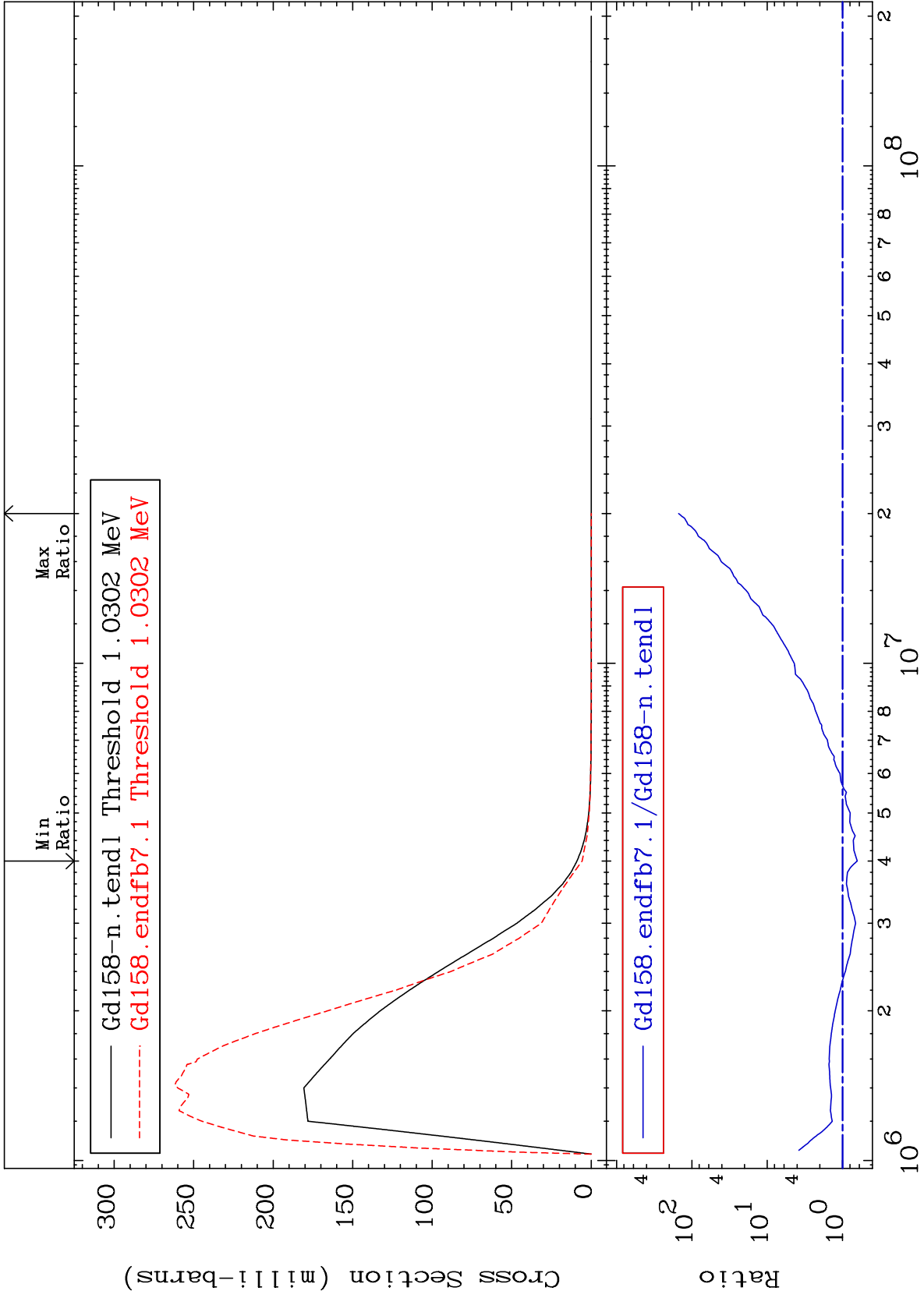
Incident Energy (eV)

64-Gd-158

MAT 6443

1.024 MeV (n,n') Level
Cross Section

64-Gd-158
-36.14 To 9999. %



15

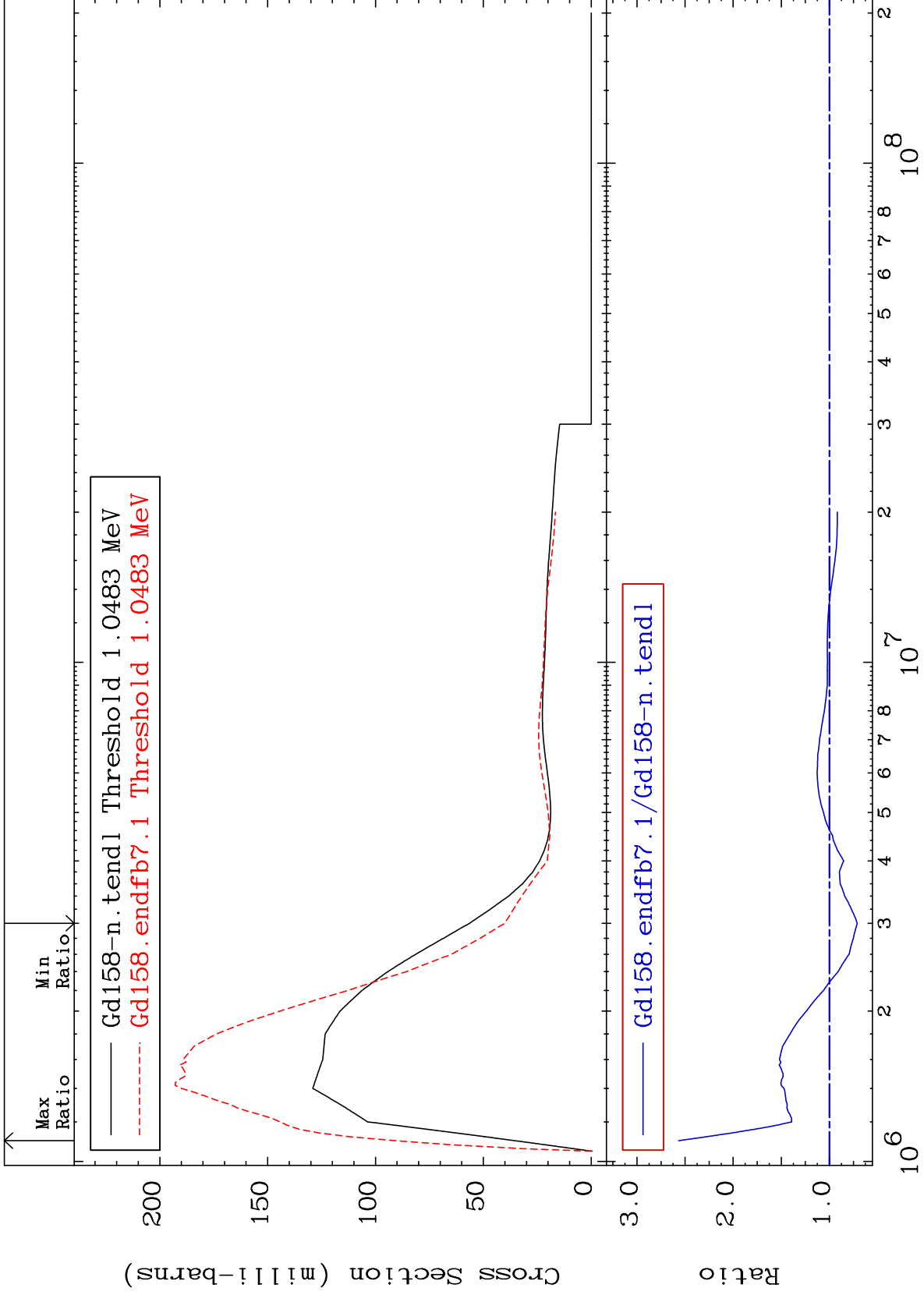
Incident Energy (eV)

64-Gd-158

MAT 6443

1.042 MeV (n,n') Level
Cross Section

64-Gd-158
-29.00 To 156.7 %



16

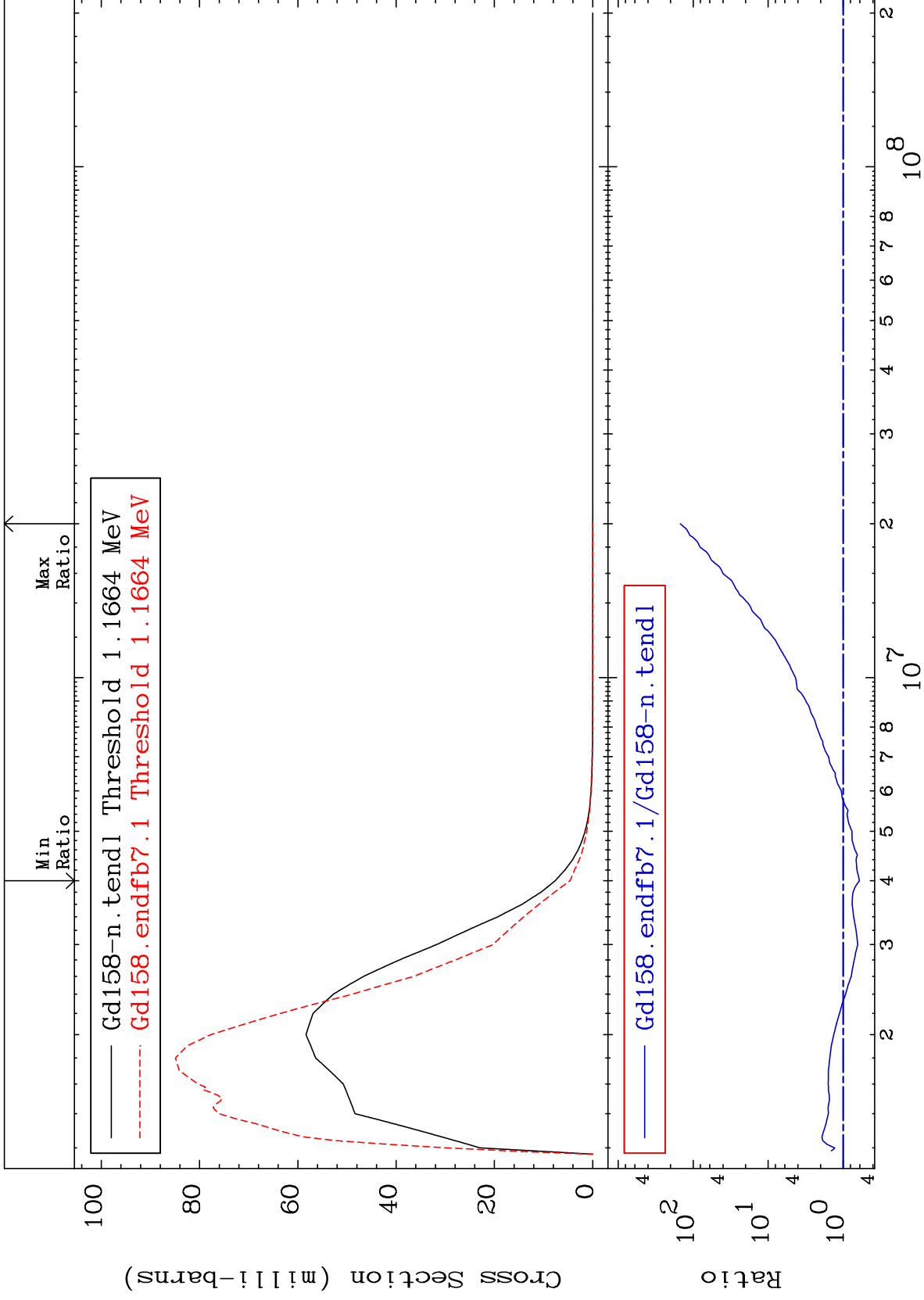
Incident Energy (eV)

64-Gd-158

MAT 6443

1.159 MeV (n,n') Level
Cross Section

64-Gd-158
-39.39 To 9999. %



17

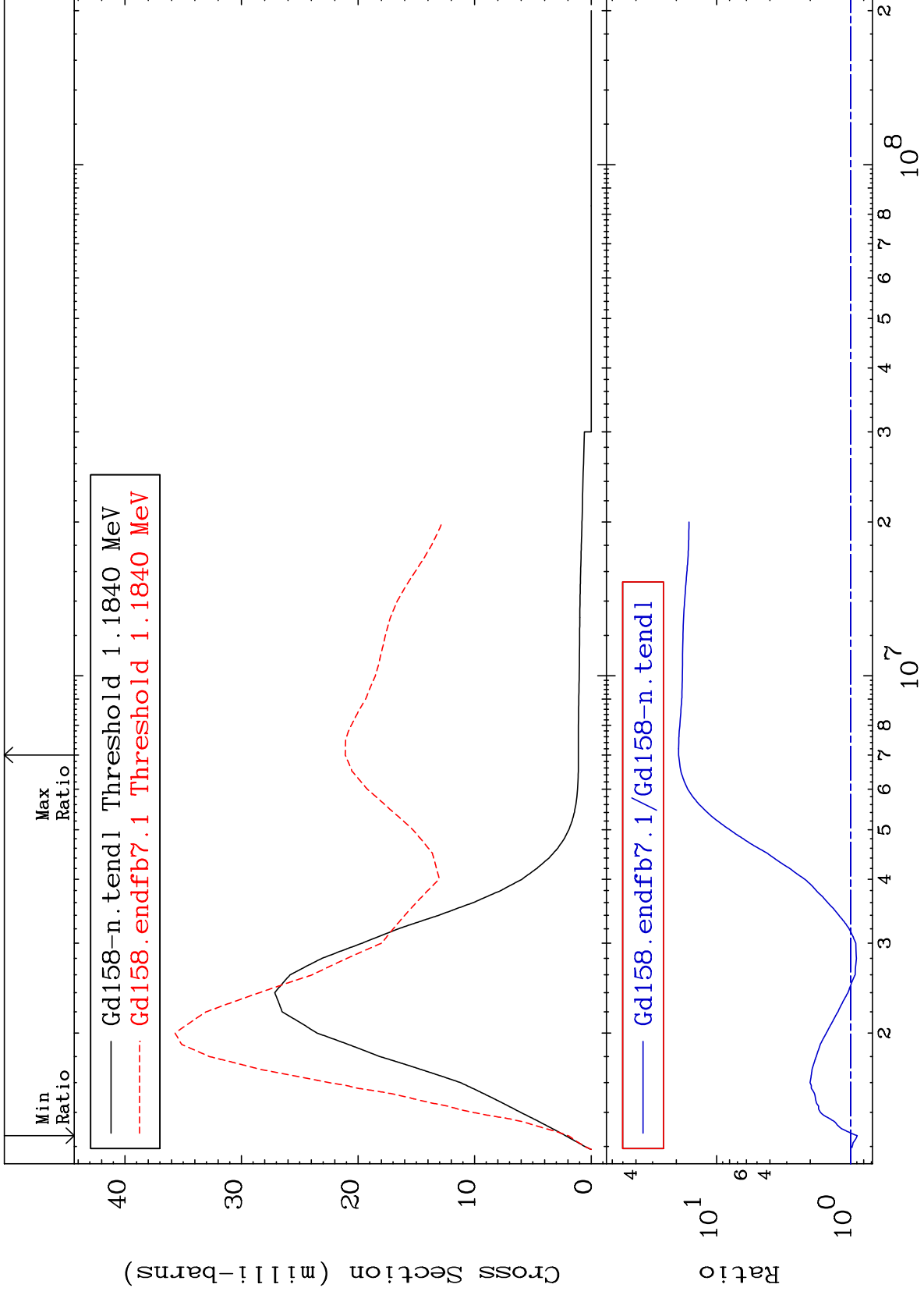
Incident Energy (eV)

64-Gd-158

MAT 6443

1.176 MeV (n,n') Level
Cross Section

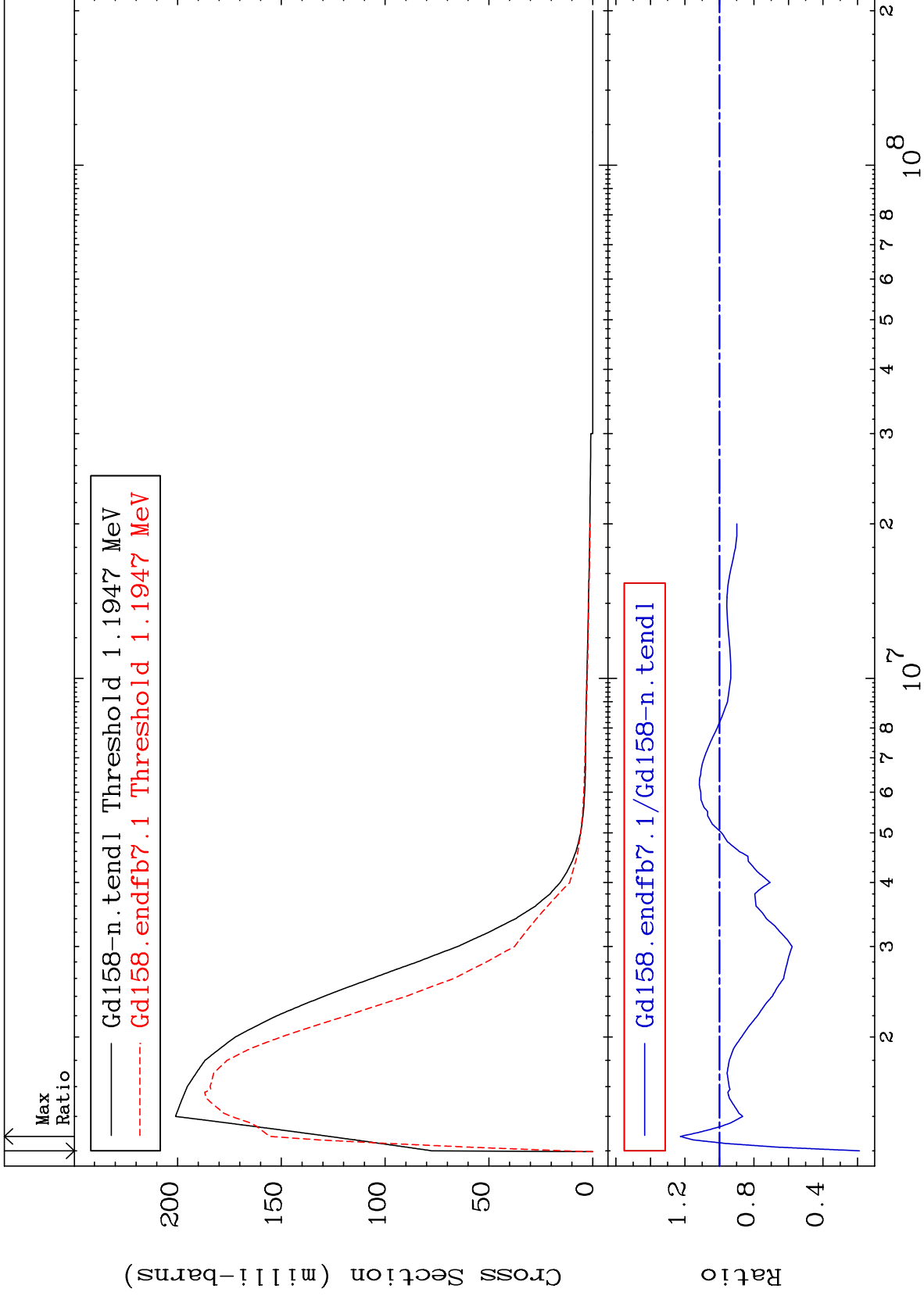
64-Gd-158
-10.74 To 1820. %



MAT 6443

1.187 MeV (n,n') Level
Cross Section

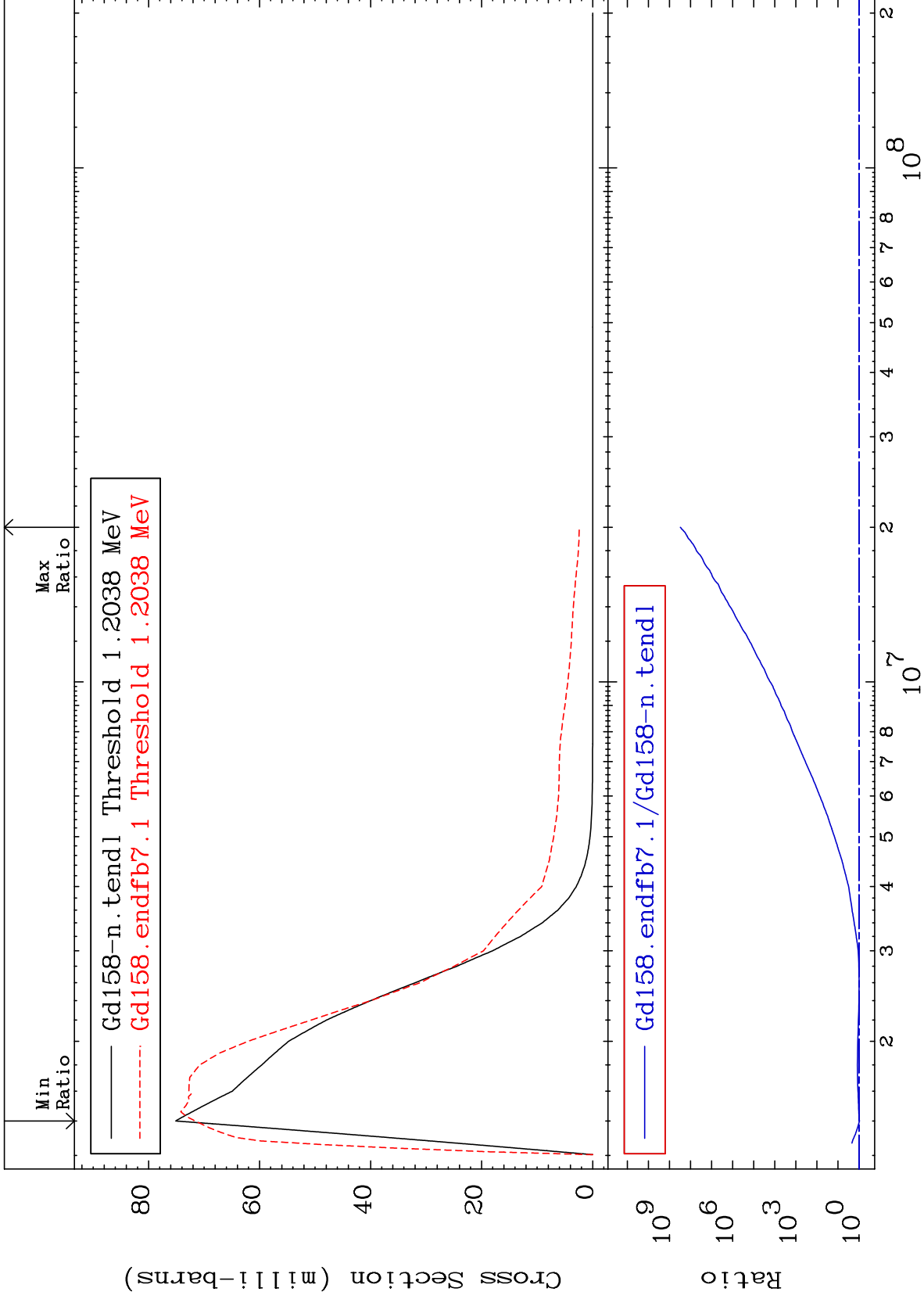
64-Gd-158
-81.14 To 22.65 %



MAT 6443

1.196 MeV (n,n') Level
Cross Section

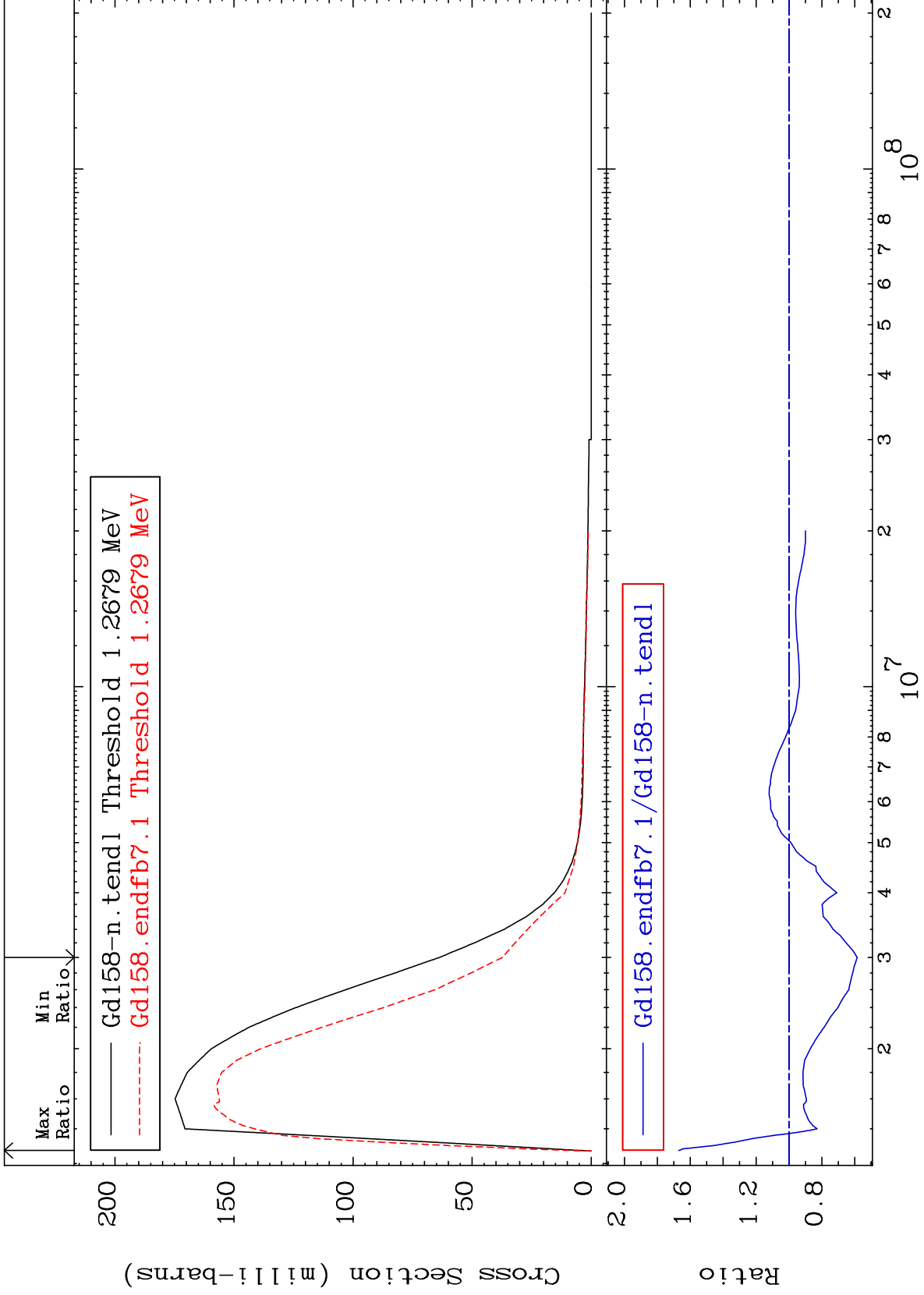
64-Gd-158
-4.678 To 9999. %



MAT 6443

1.260 MeV (n,n') Level
Cross Section

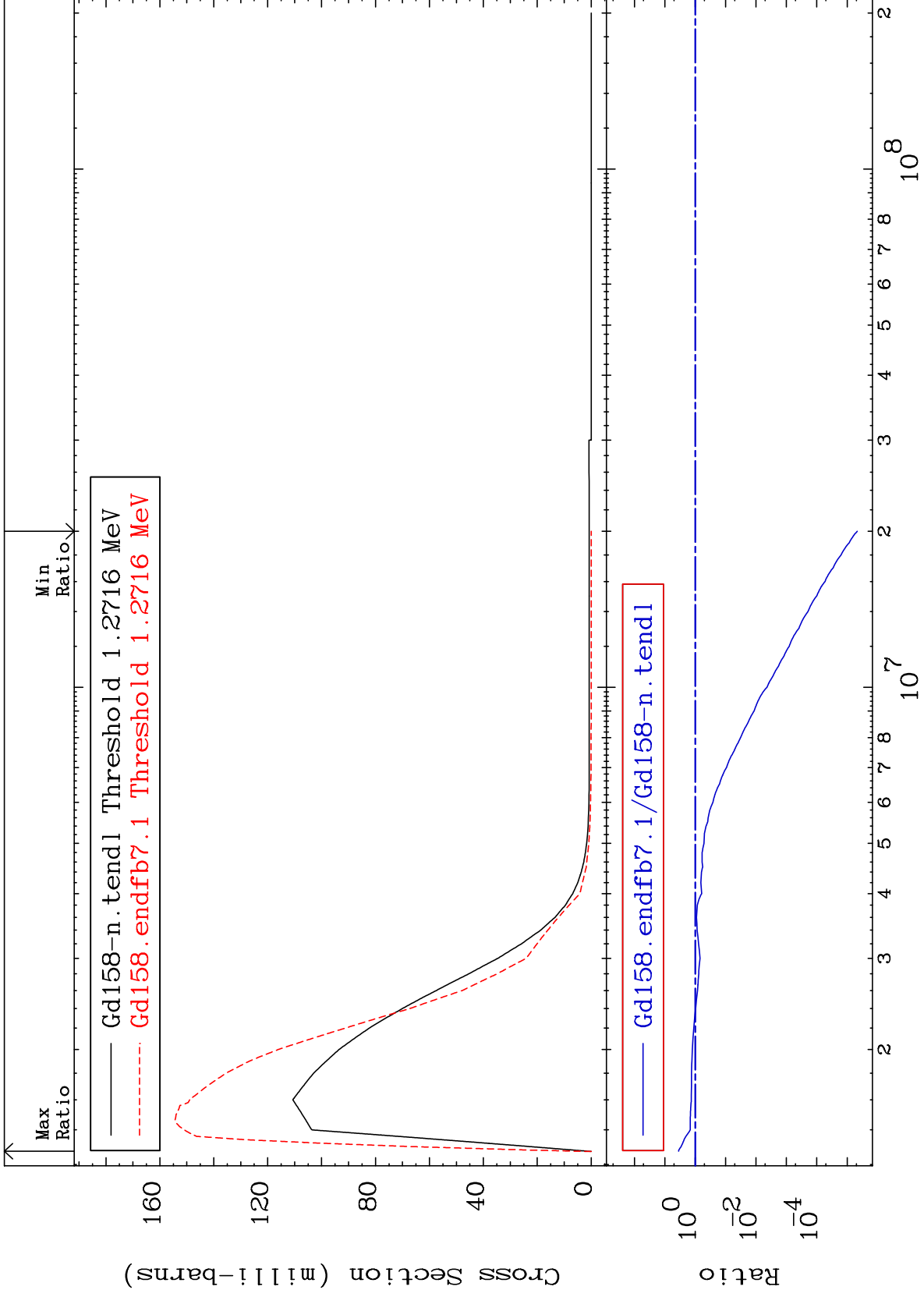
64-Gd-158
-41.54 To 67.10 %



MAT 6443

1.264 MeV (n,n') Level
Cross Section

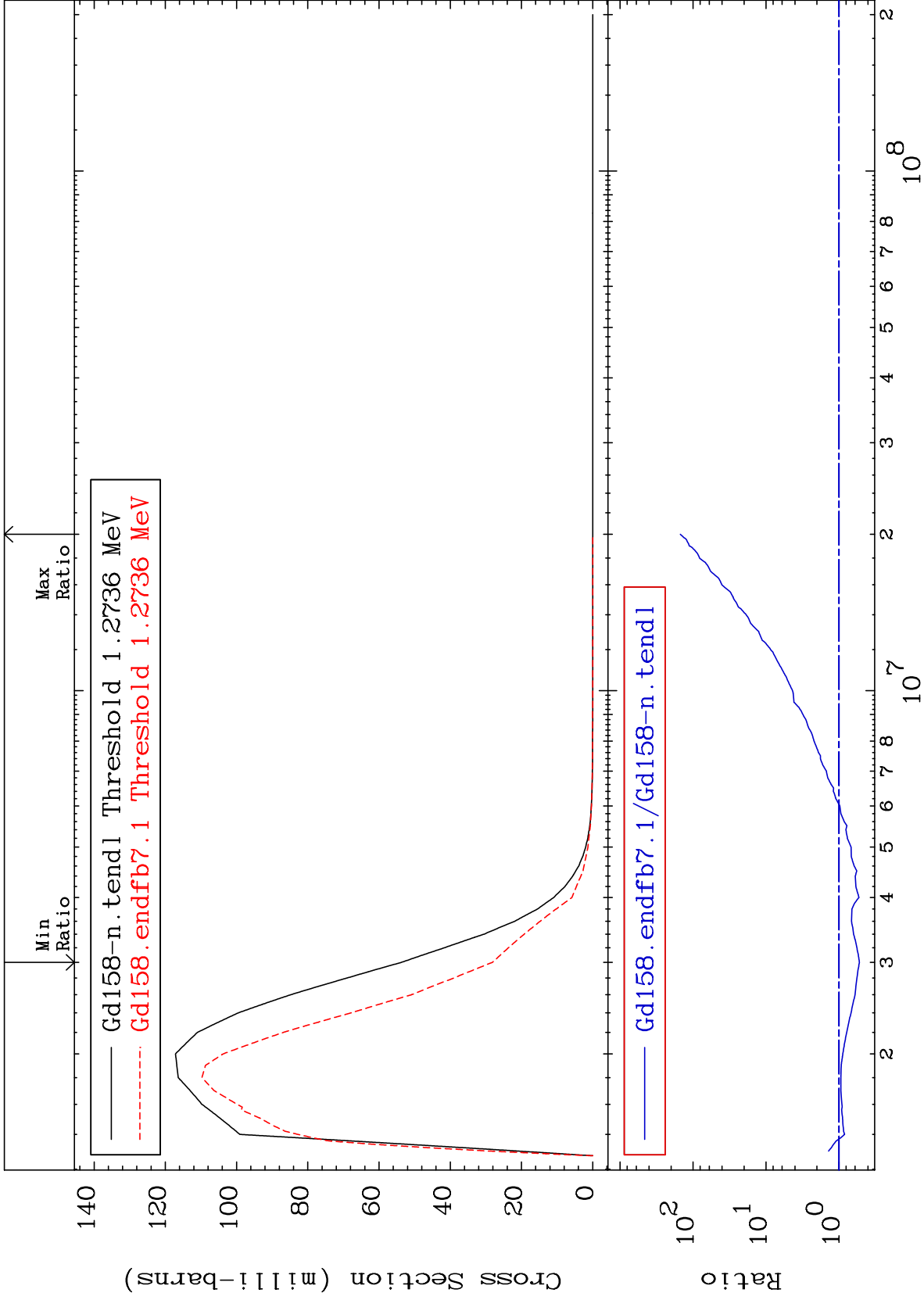
64-Gd-158
-100.0 To 250.4 %



MAT 6443

1.266 MeV (n,n') Level
Cross Section

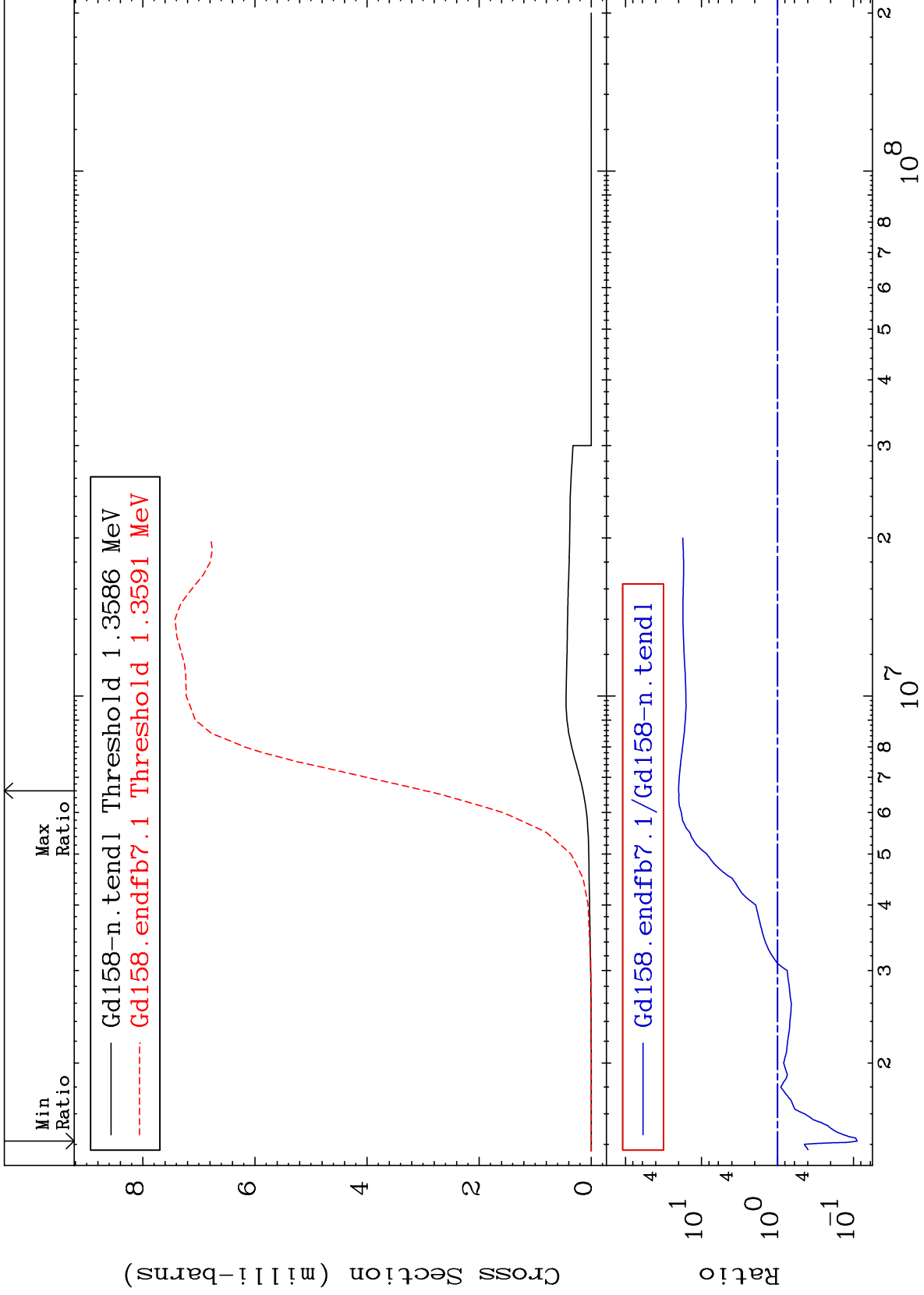
64-Gd-158
-47.61 To 9999. %



MAT 6443

1.350 MeV (n,n') Level
Cross Section

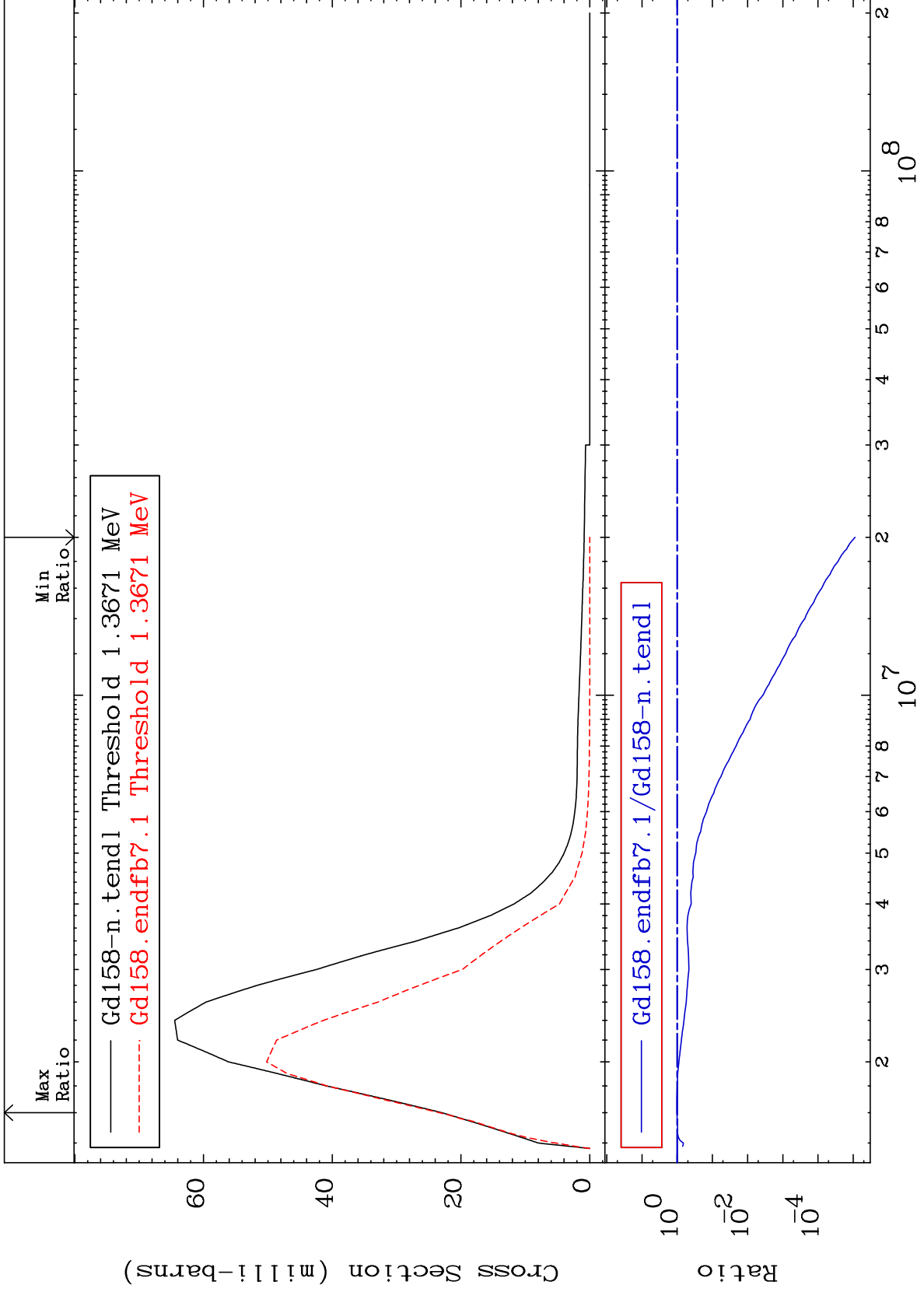
64-Gd-158
-91.07 To 1902. %



MAT 6443

1.358 MeV (n,n') Level
Cross Section

64-Gd-158
-100.0 To 1.750 %



25

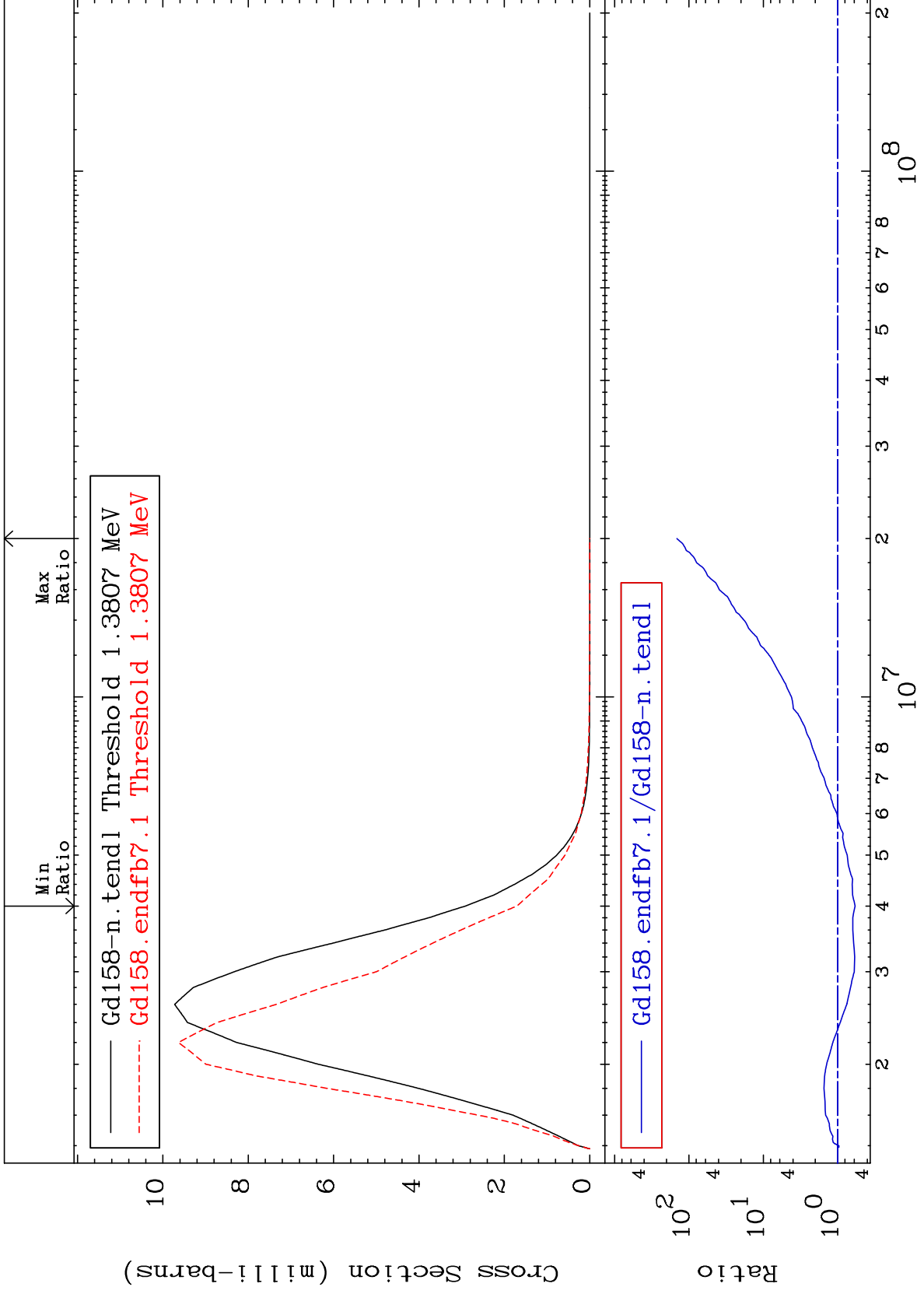
Incident Energy (eV)

64-Gd-158

MAT 6443

1.372 MeV (n,n') Level
Cross Section

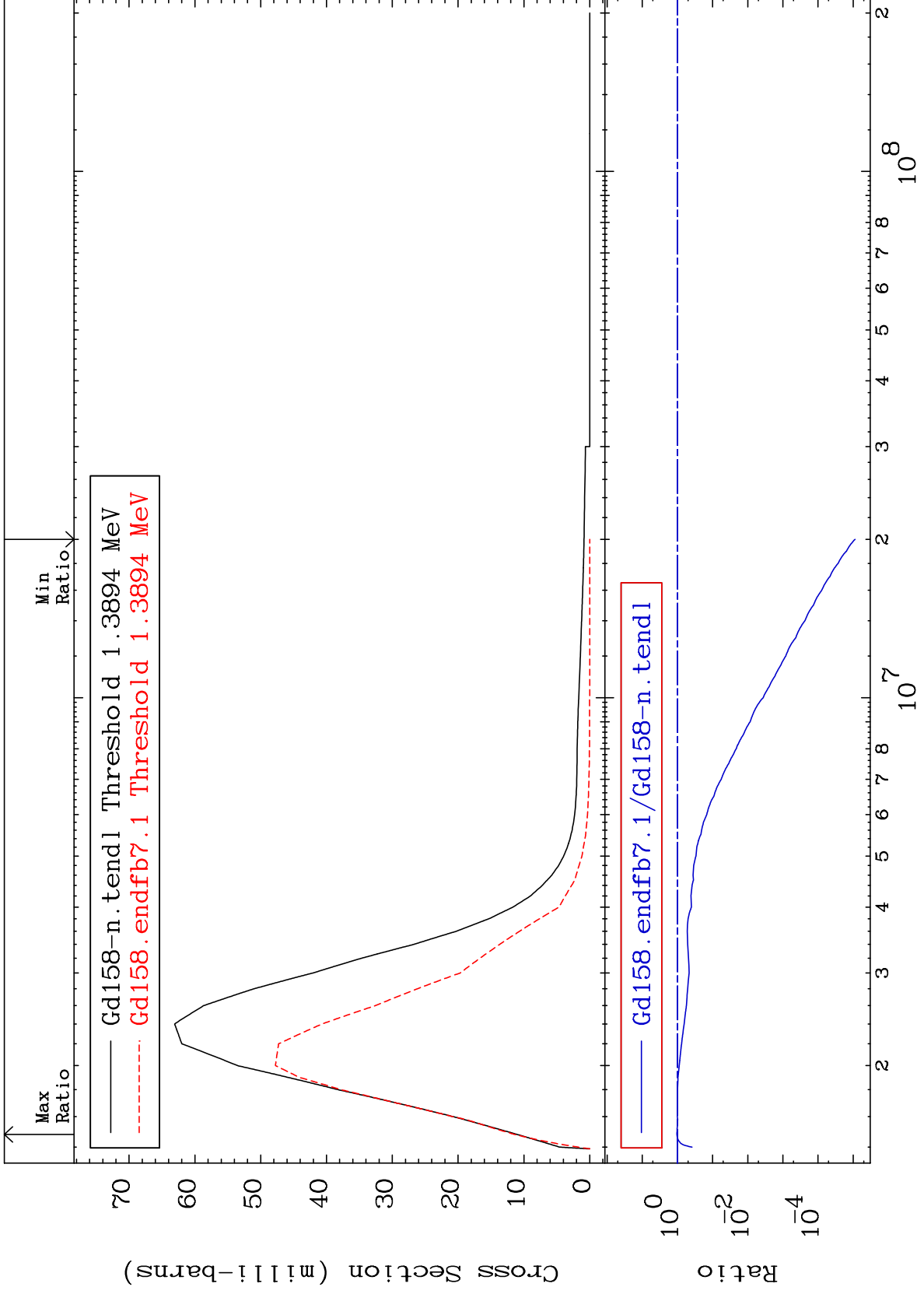
64-Gd-158
-41.54 To 9999. %



MAT 6443

1.381 MeV (n,n') Level
Cross Section

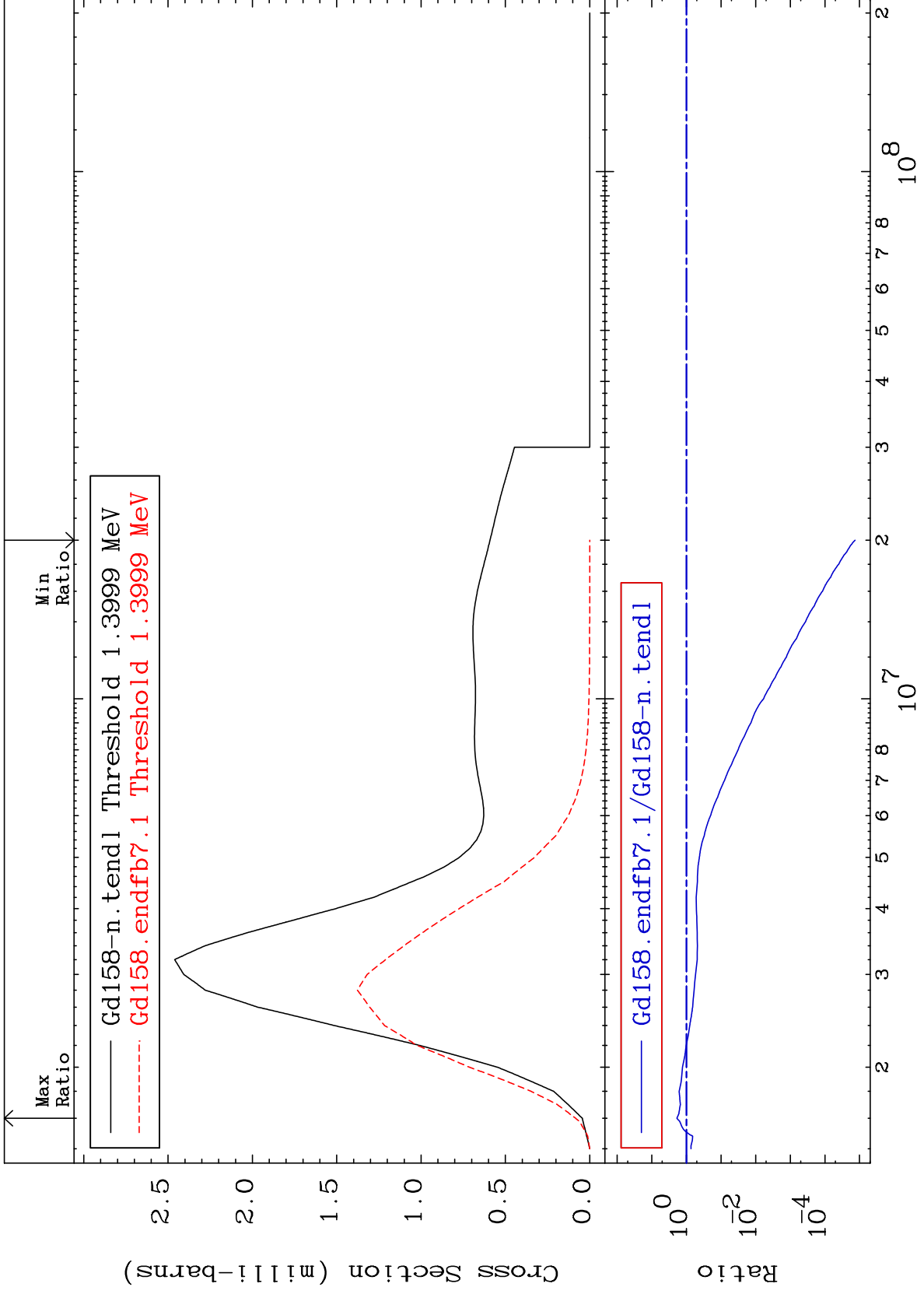
64-Gd-158
-100.0 To 3.312 %



MAT 6443

1.391 MeV (n,n') Level
Cross Section

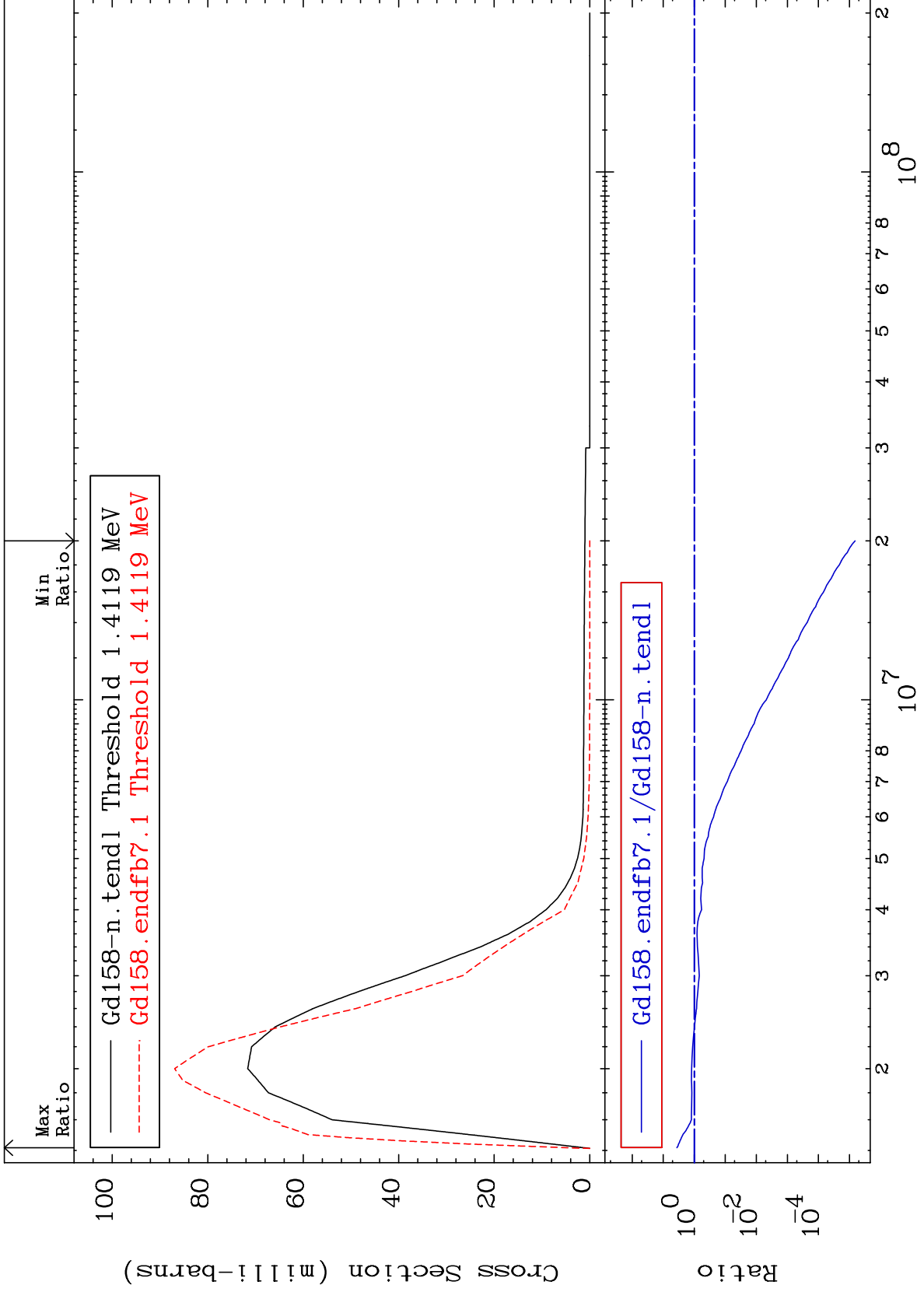
64-Gd-158
-100.0 To 88.32 %



MAT 6443

1.403 MeV (n,n') Level
Cross Section

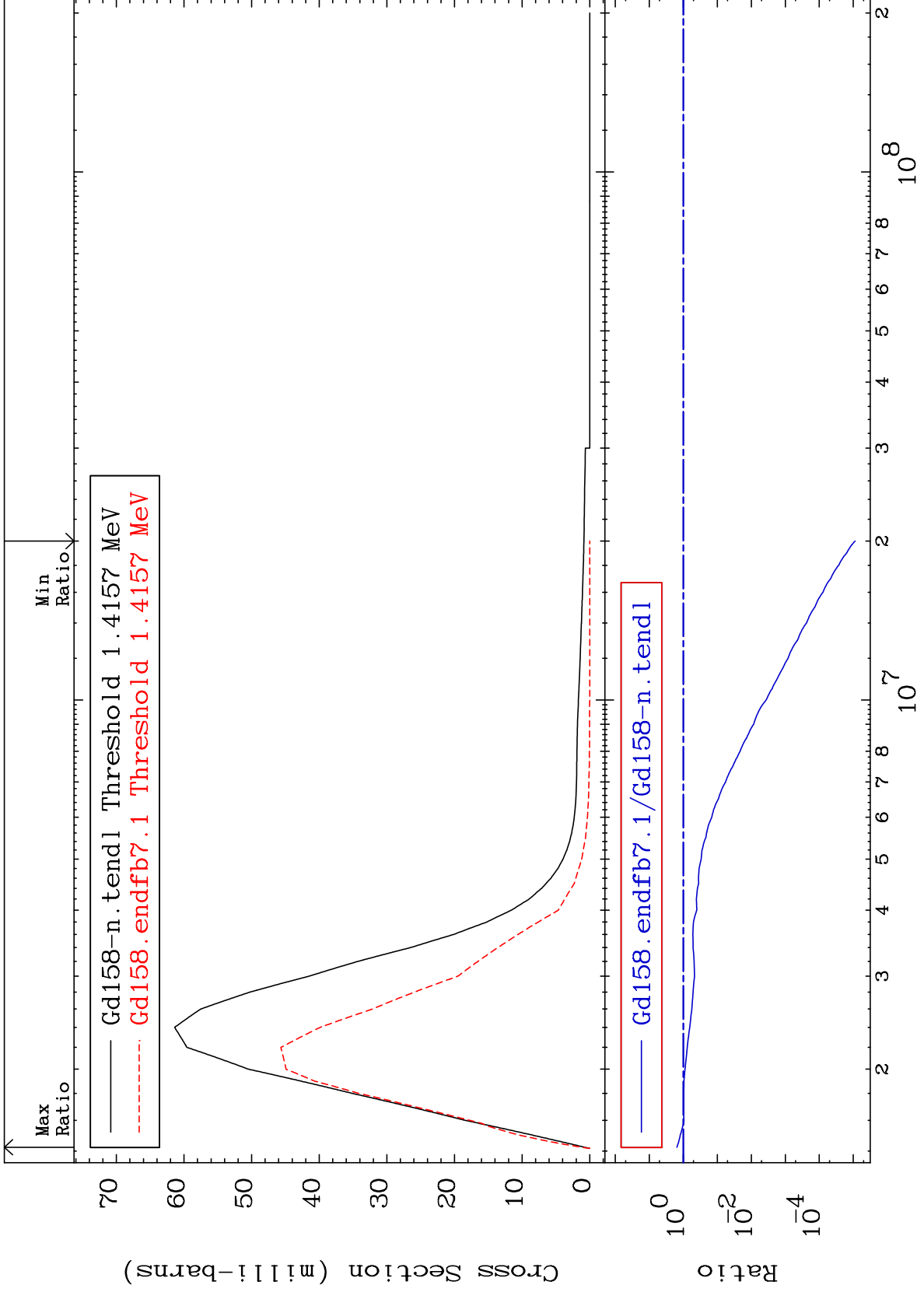
64-Gd-158
-100.0 To 261.8 %



MAT 6443

1.407 MeV (n,n') Level
Cross Section

64-Gd-158
-100.0 To 53.95 %



30

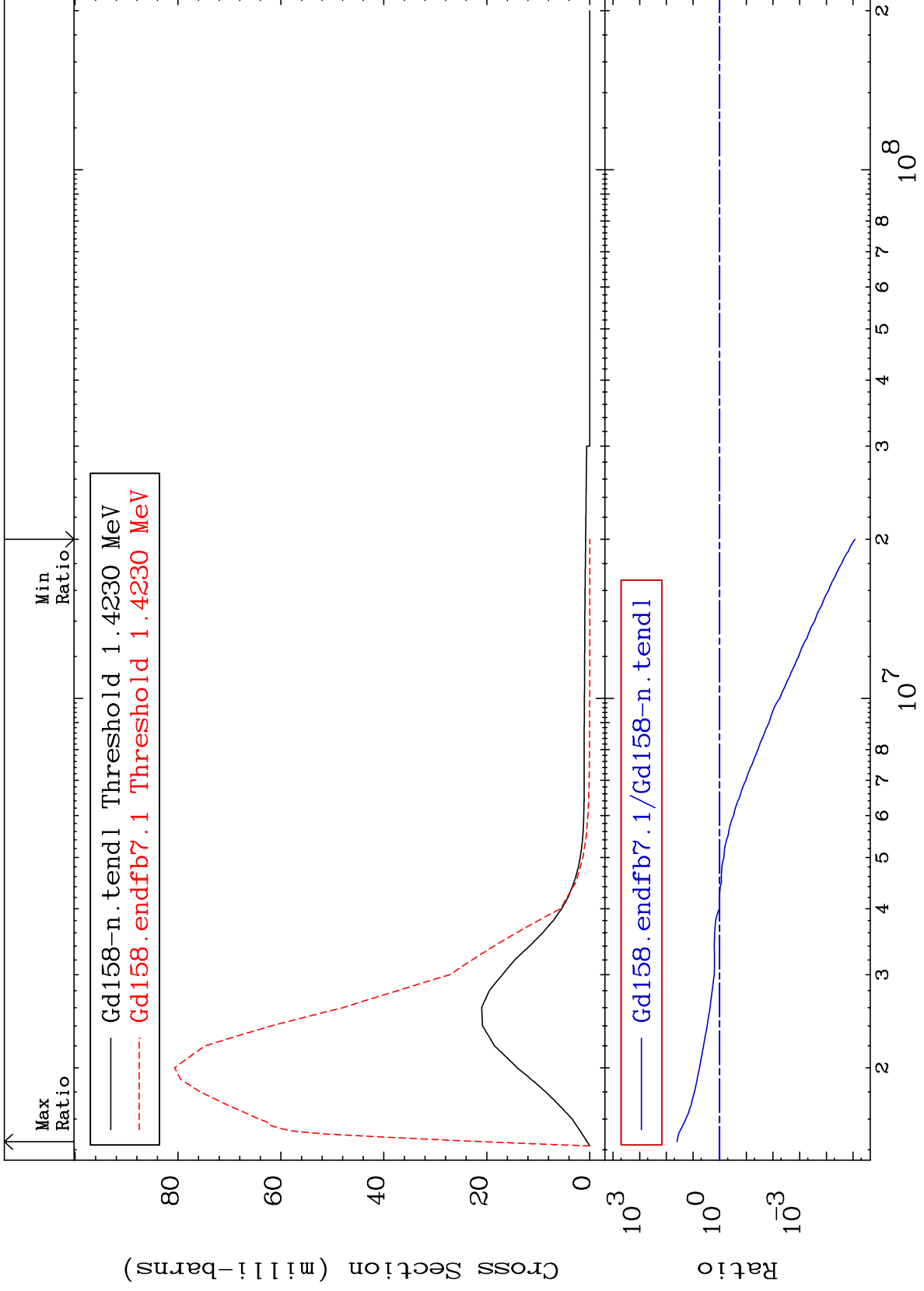
Incident Energy (eV)

64-Gd-158

MAT 6443

1.414 MeV (n,n') Level
Cross Section

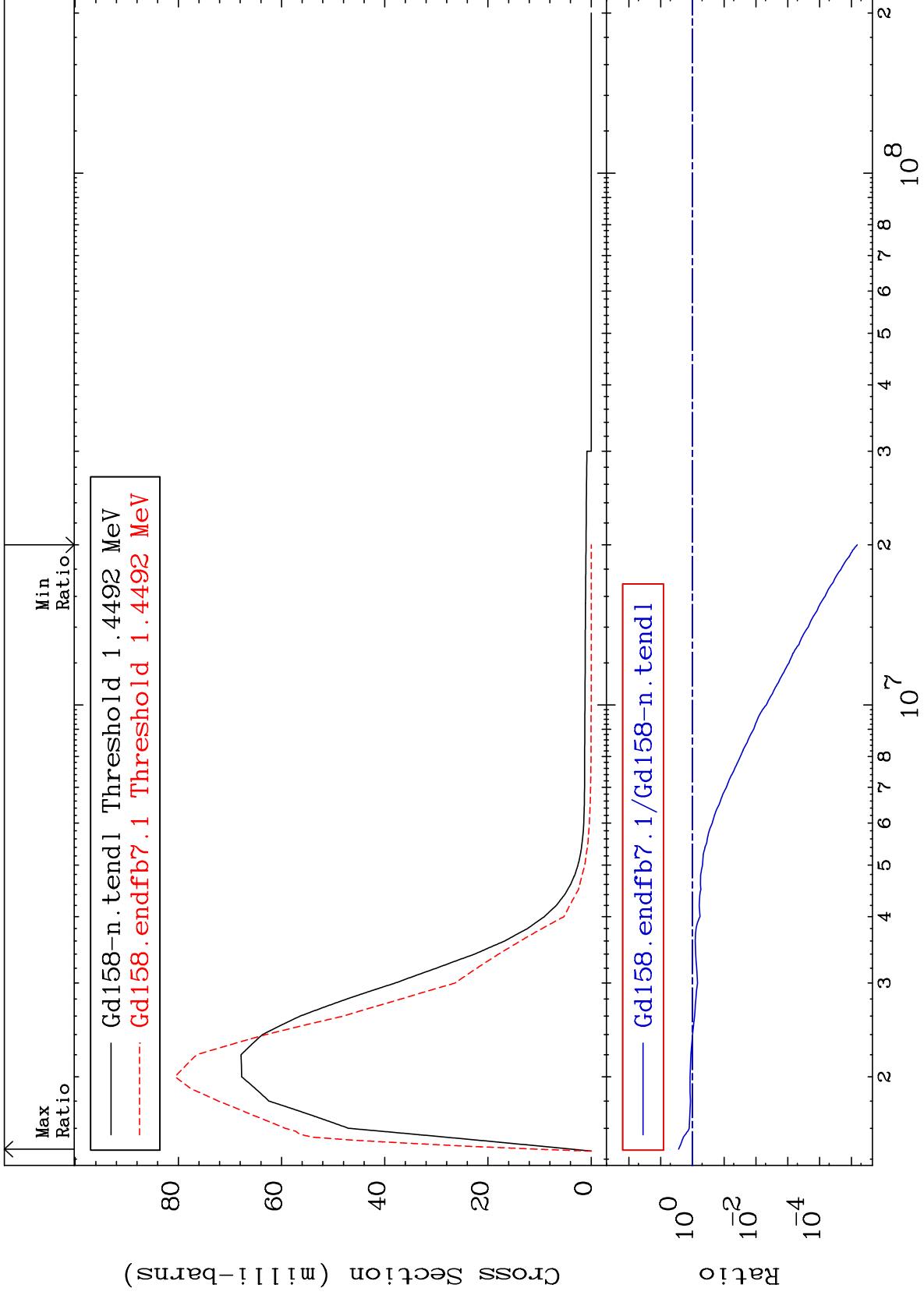
64-Gd-158
-100.0 To 3916. %



MAT 6443

1.440 MeV (n,n') Level
Cross Section

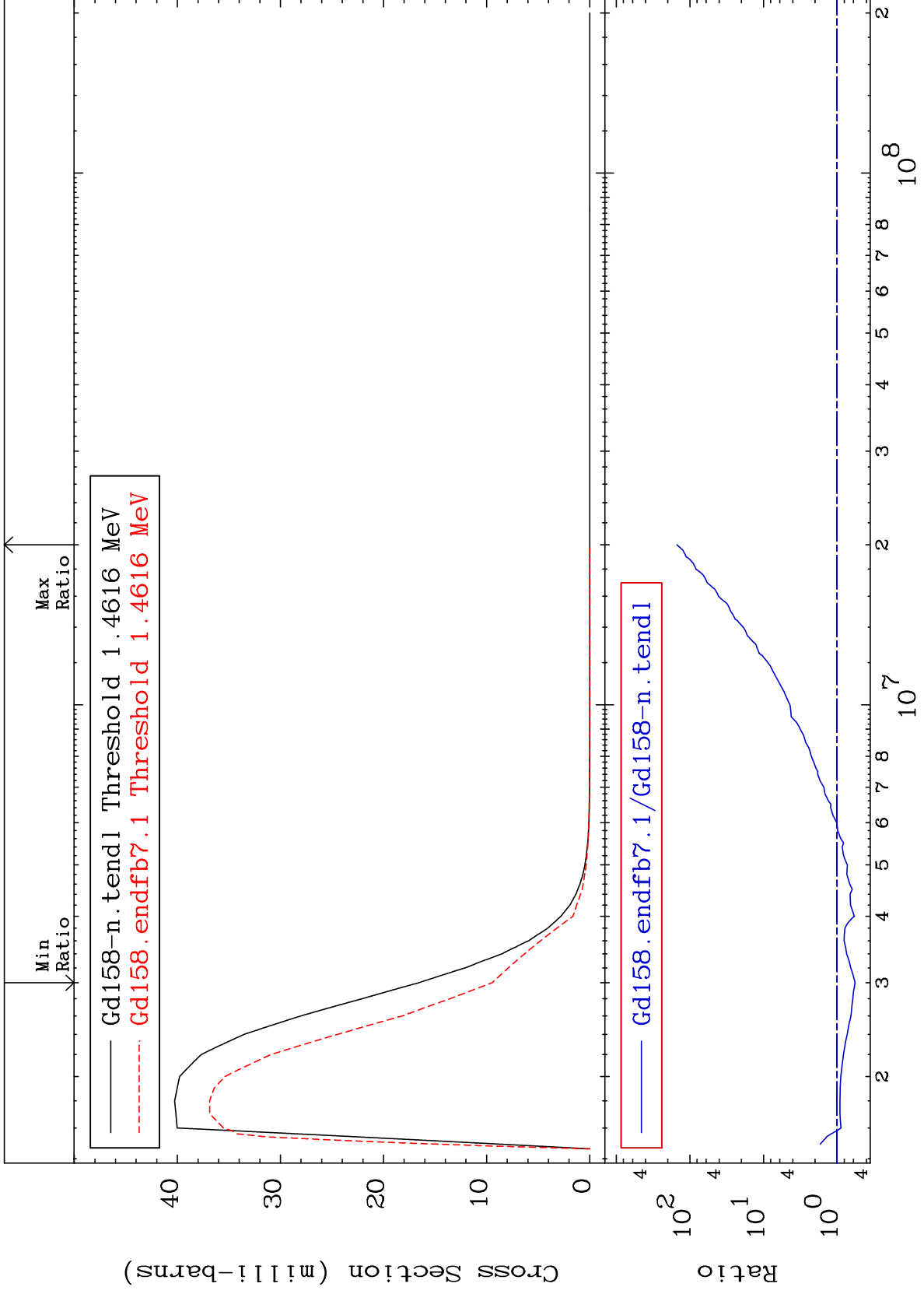
64-Gd-158
-100.0 To 171.2 %



MAT 6443

1.452 MeV (n,n') Level
Cross Section

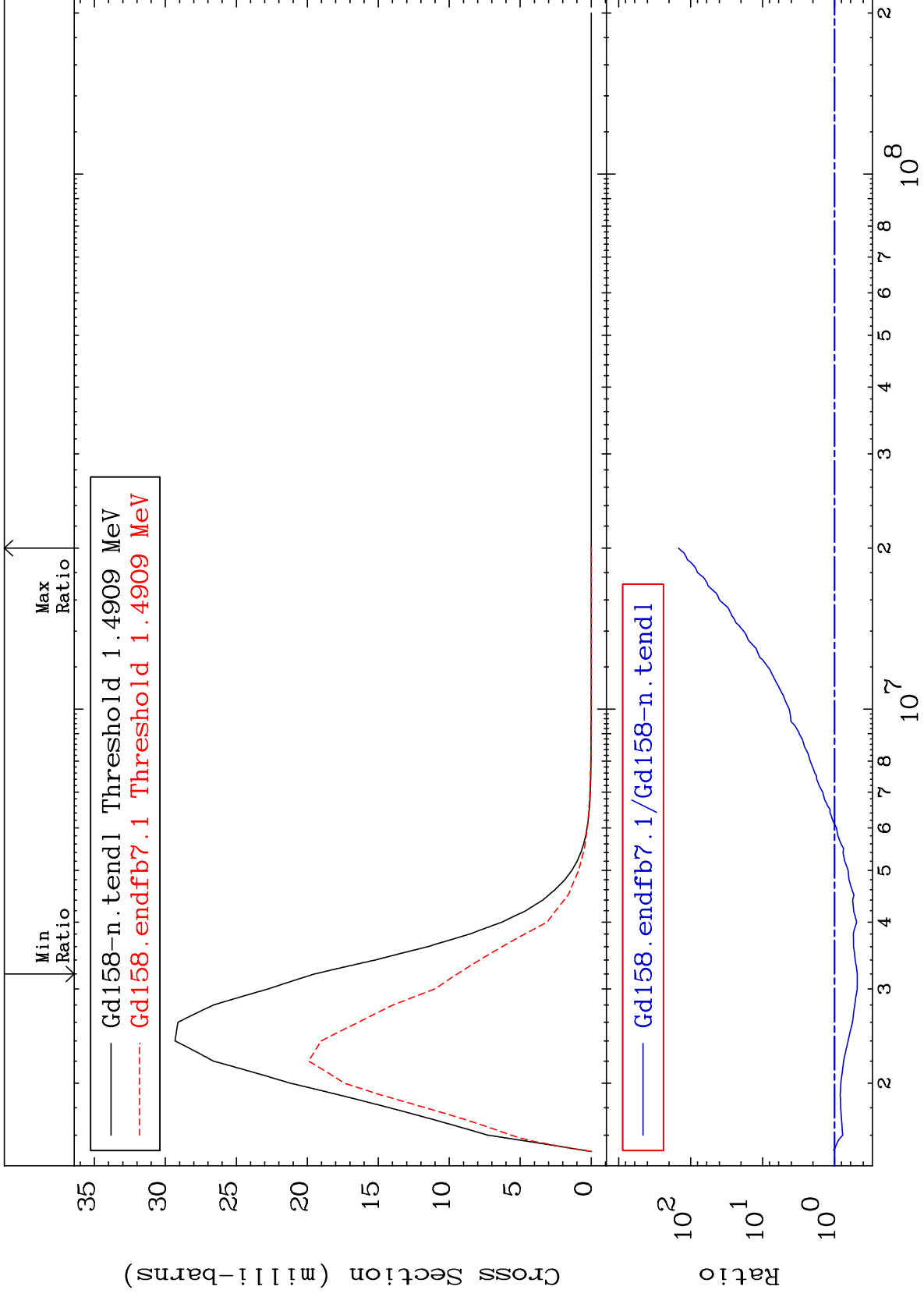
64-Gd-158
-43.01 To 9999. %



MAT 6443

1.481 MeV (n,n') Level
Cross Section

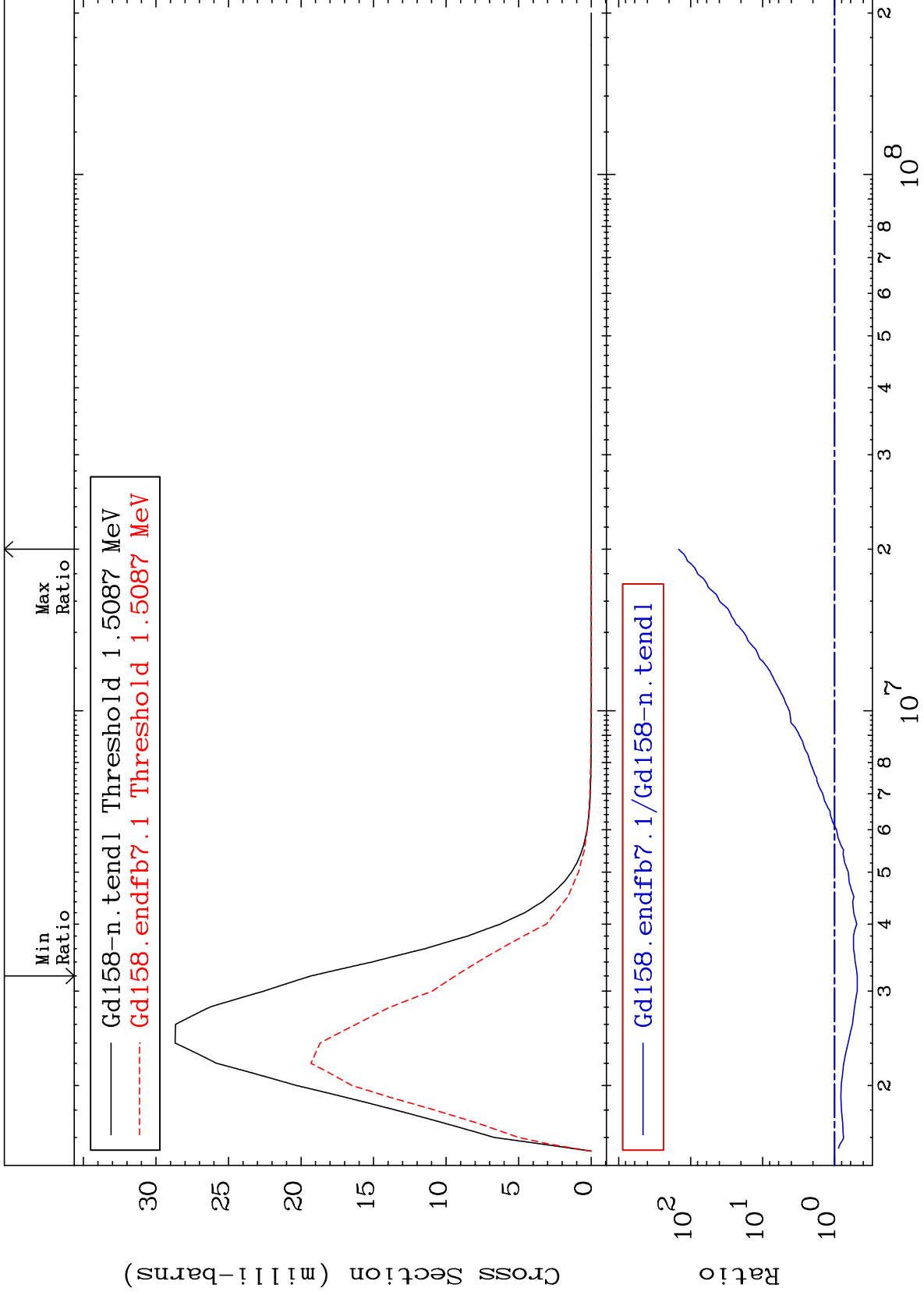
64-Gd-158
-51.63 To 9999. %



MAT 6443

1.499 MeV (n,n') Level
Cross Section

64-Gd-158
-51.54 To 9999. %



35

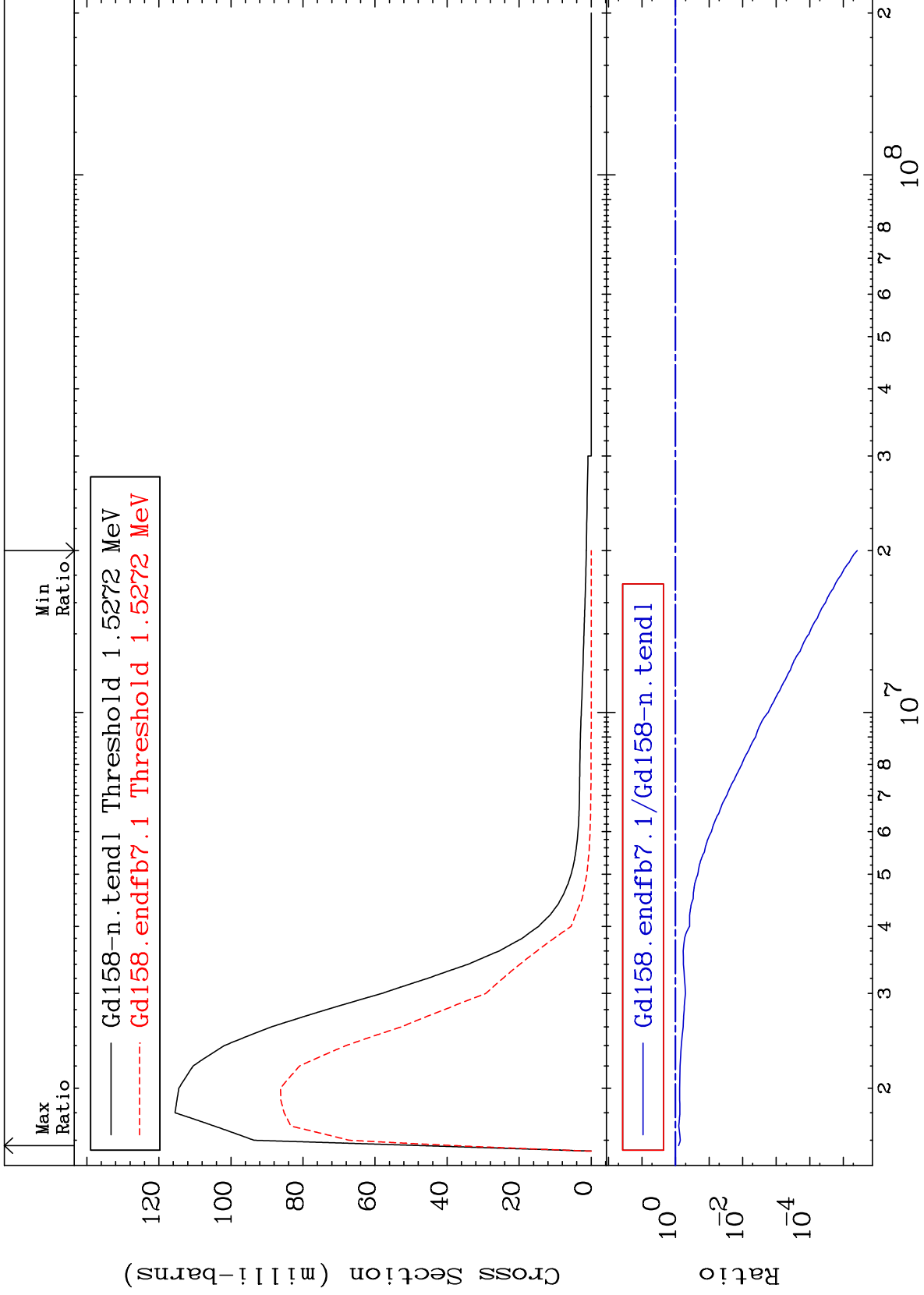
Incident Energy (eV)

64-Gd-158

MAT 6443

1.517 MeV (n,n') Level
Cross Section

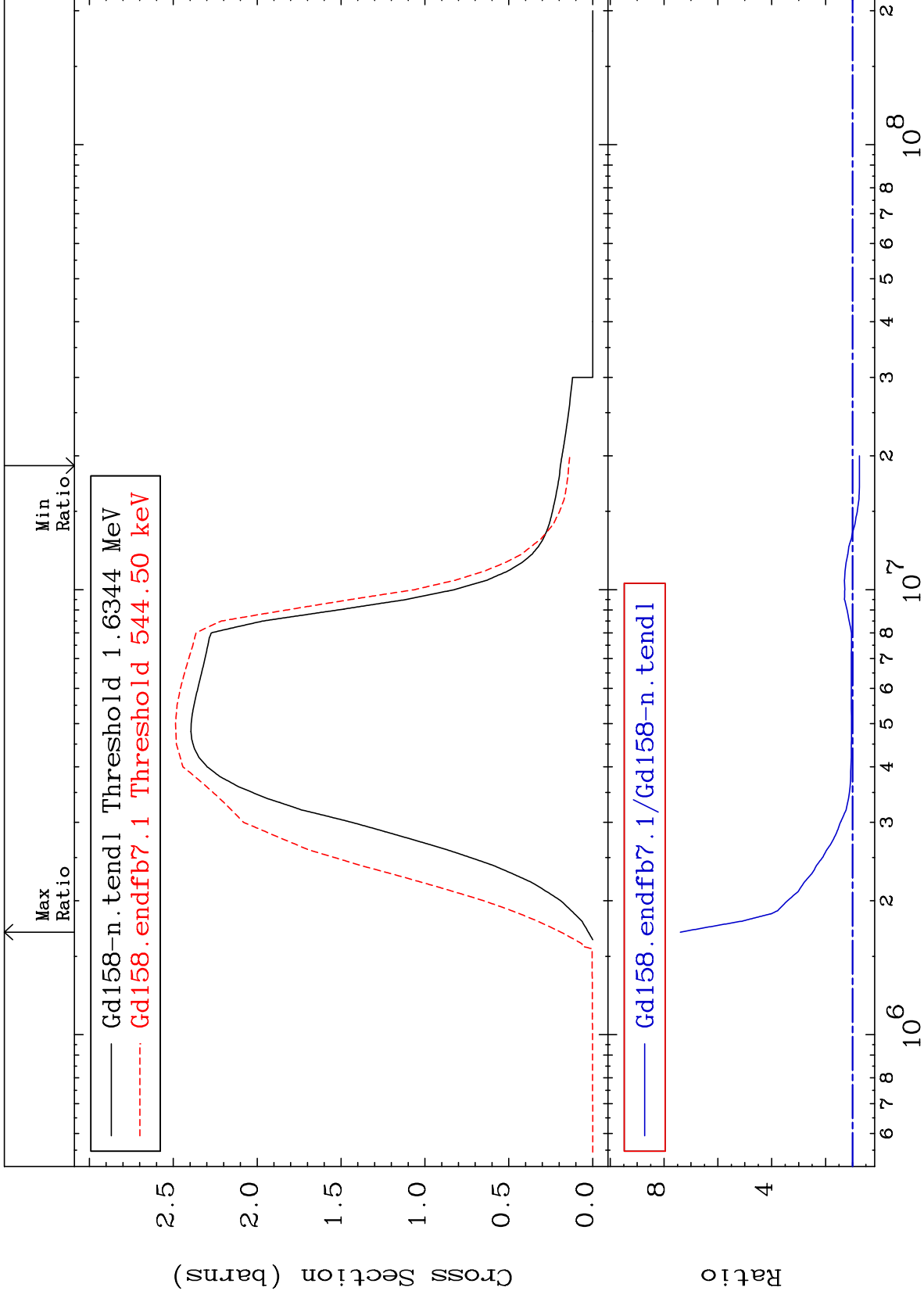
64-Gd-158
-100.0 To -19.28%



MAT 6443

(n, n') Continuum
Cross Section

64-Gd-158
-25.82 To 639.5 %



37

64-Gd-158

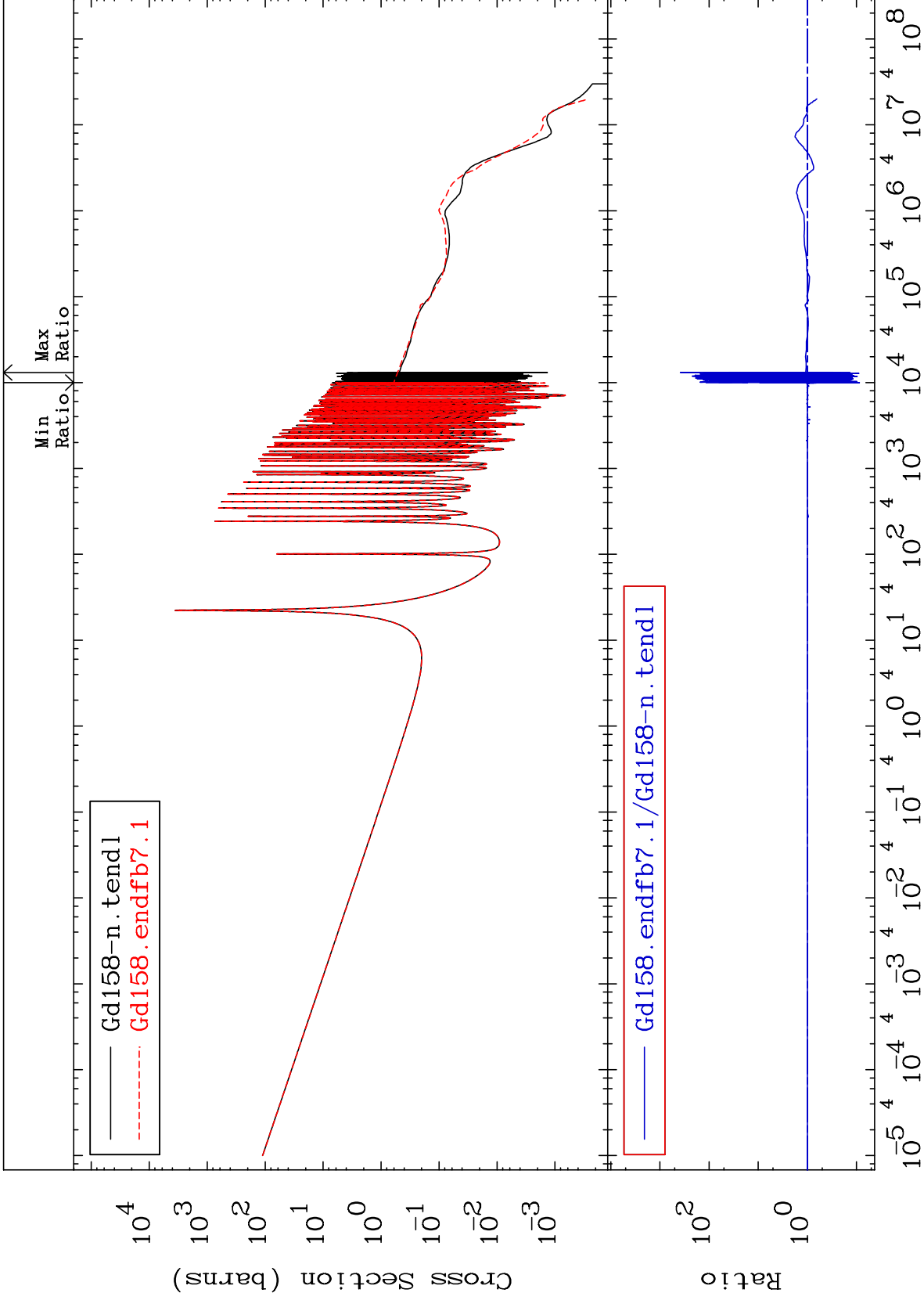
MAT 6443

(n, γ)

64-Gd-158

Cross Section

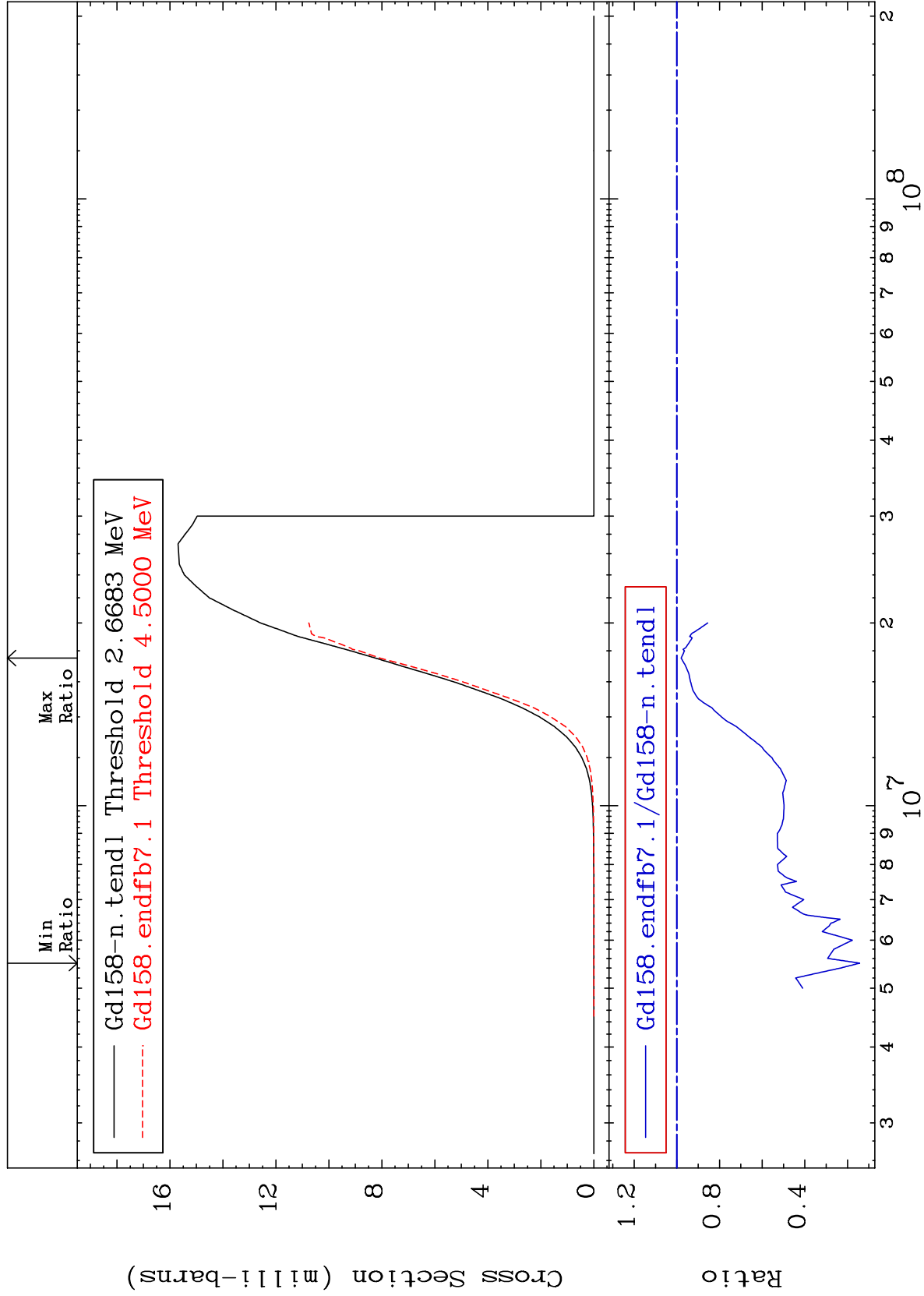
-91.26 To 9999. %



MAT 6443

64-Gd-158

(n,p)
Cross Section
-85.67 To -2.032%



39

64-Gd-158

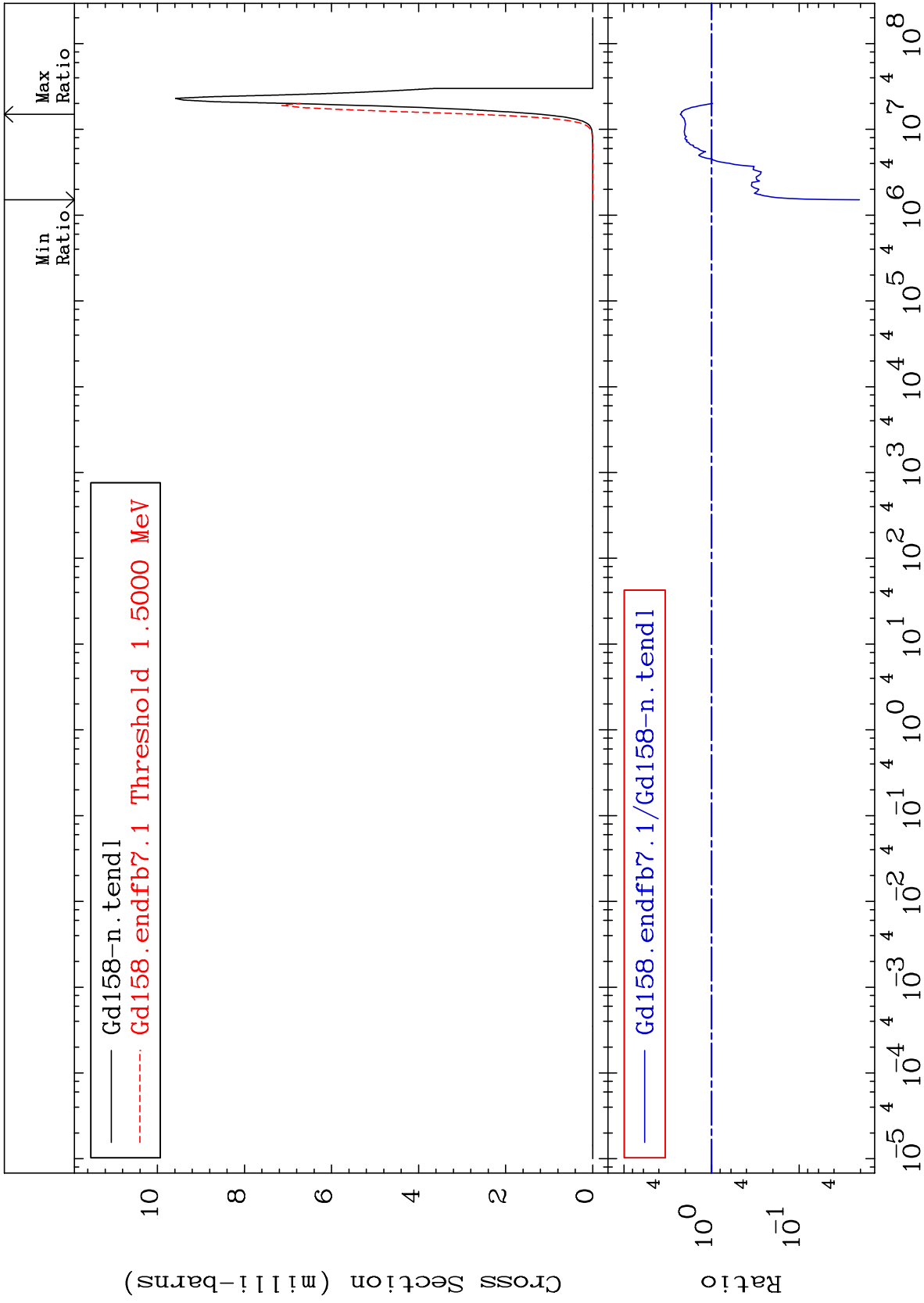
MAT 6443

(n, α)

64-Gd-158

Cross Section

-97.95 To 127.5 %



Incident Energy (eV)

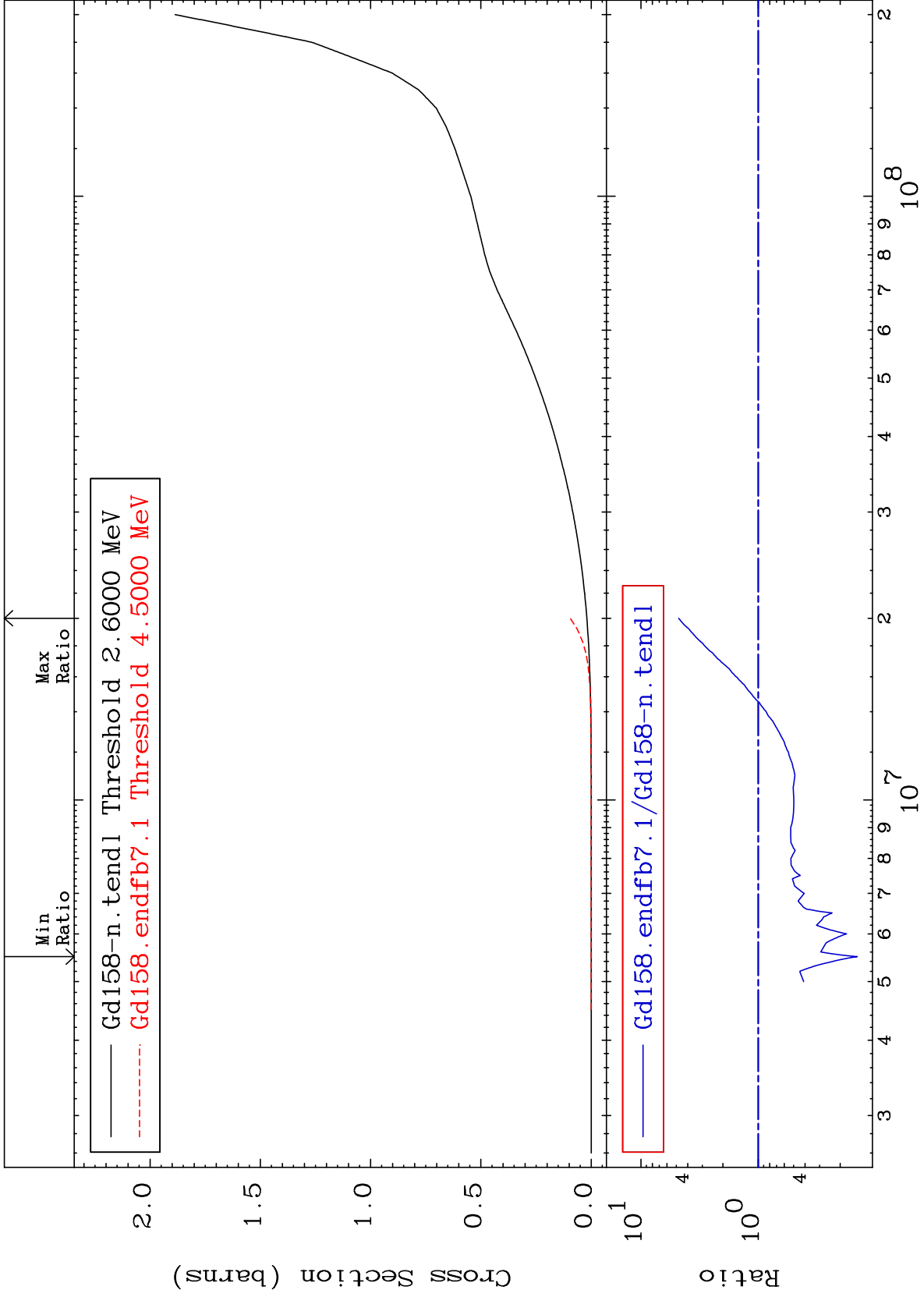
64-Gd-158

40

MAT 6443

Hydrogen Production
Cross Section

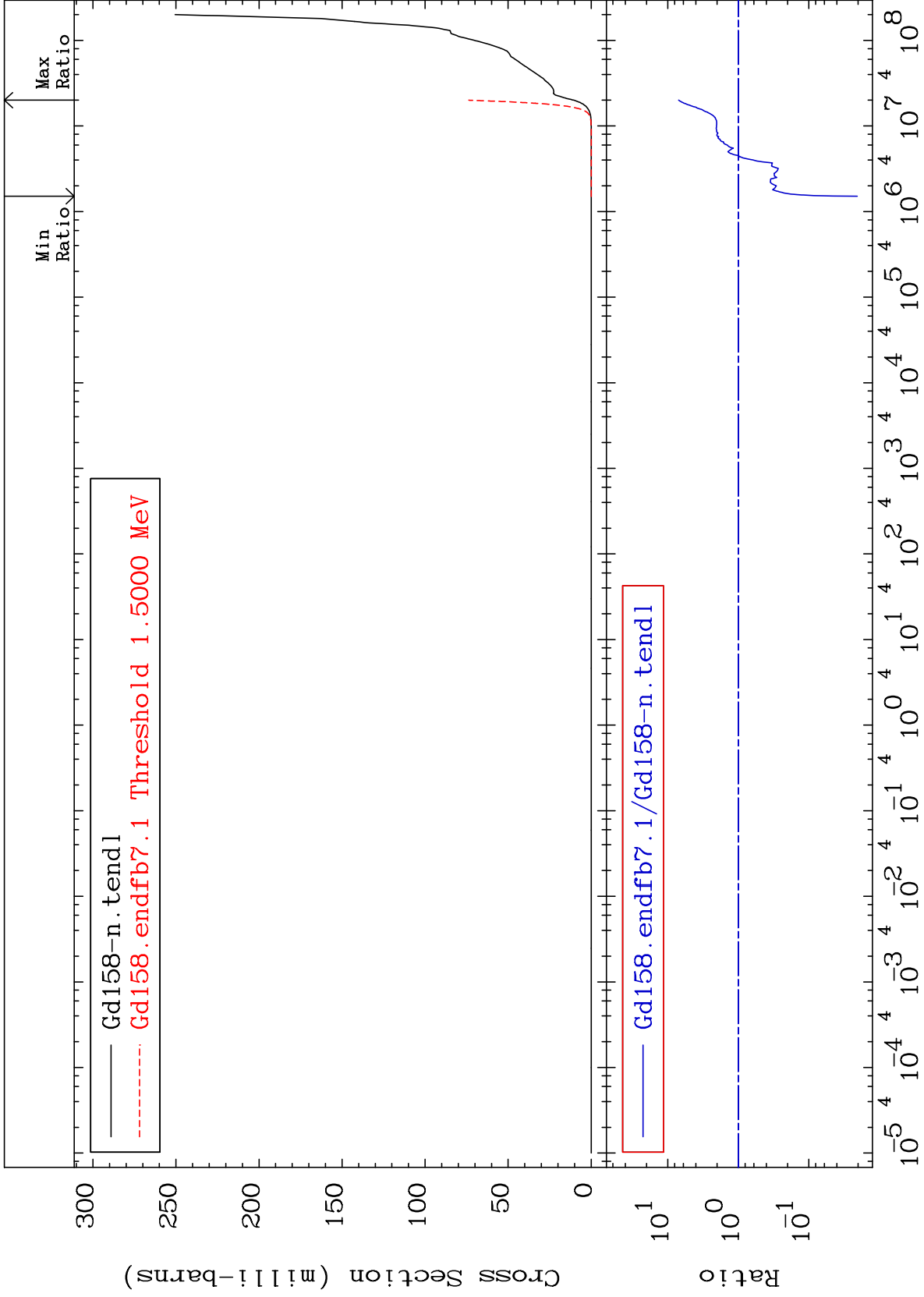
64-Gd-158
-85.67 To 377.7 %

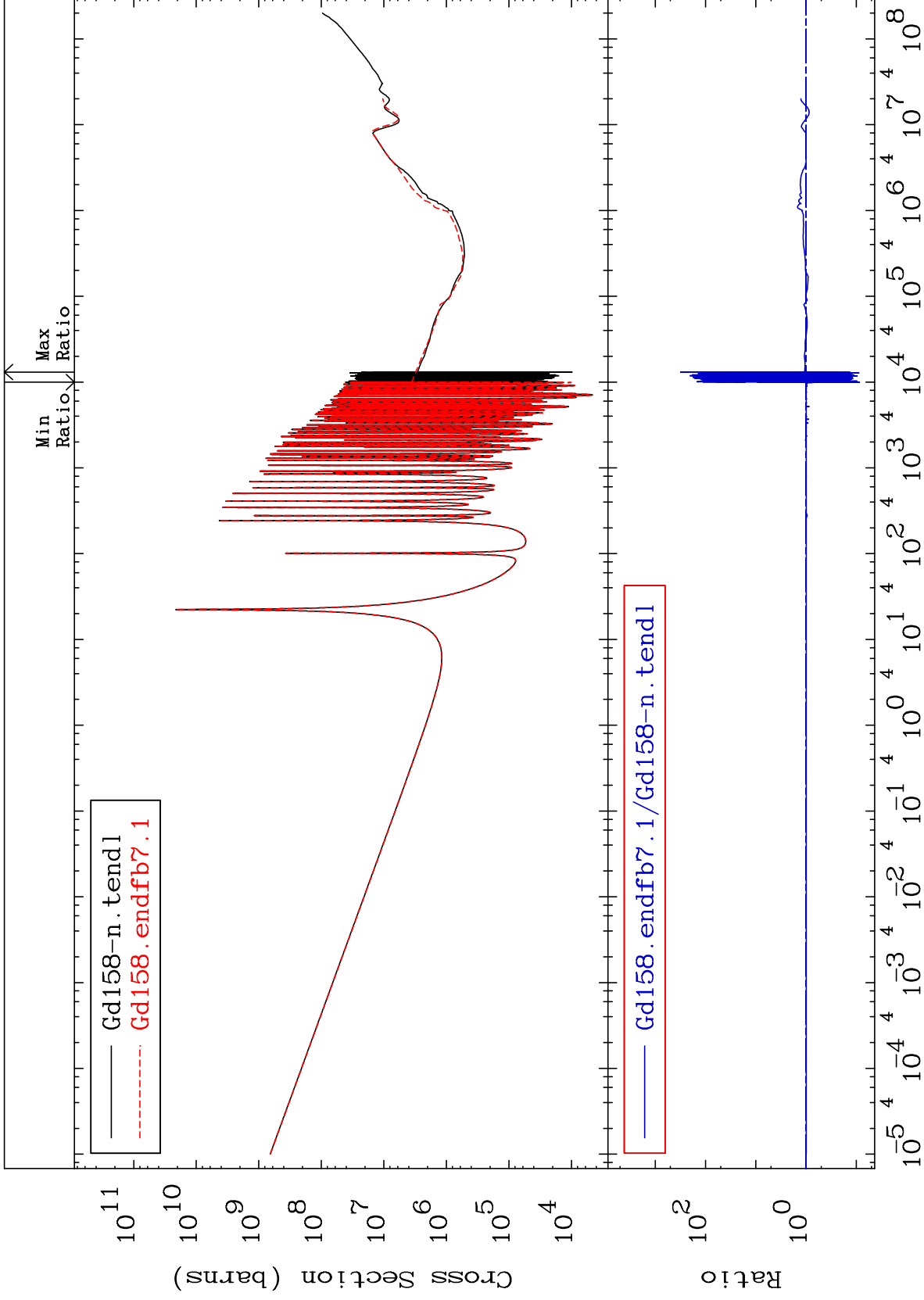


MAT 6443

He-4 Production
Cross Section

64-Gd-158
-97.95 To 599.9 %

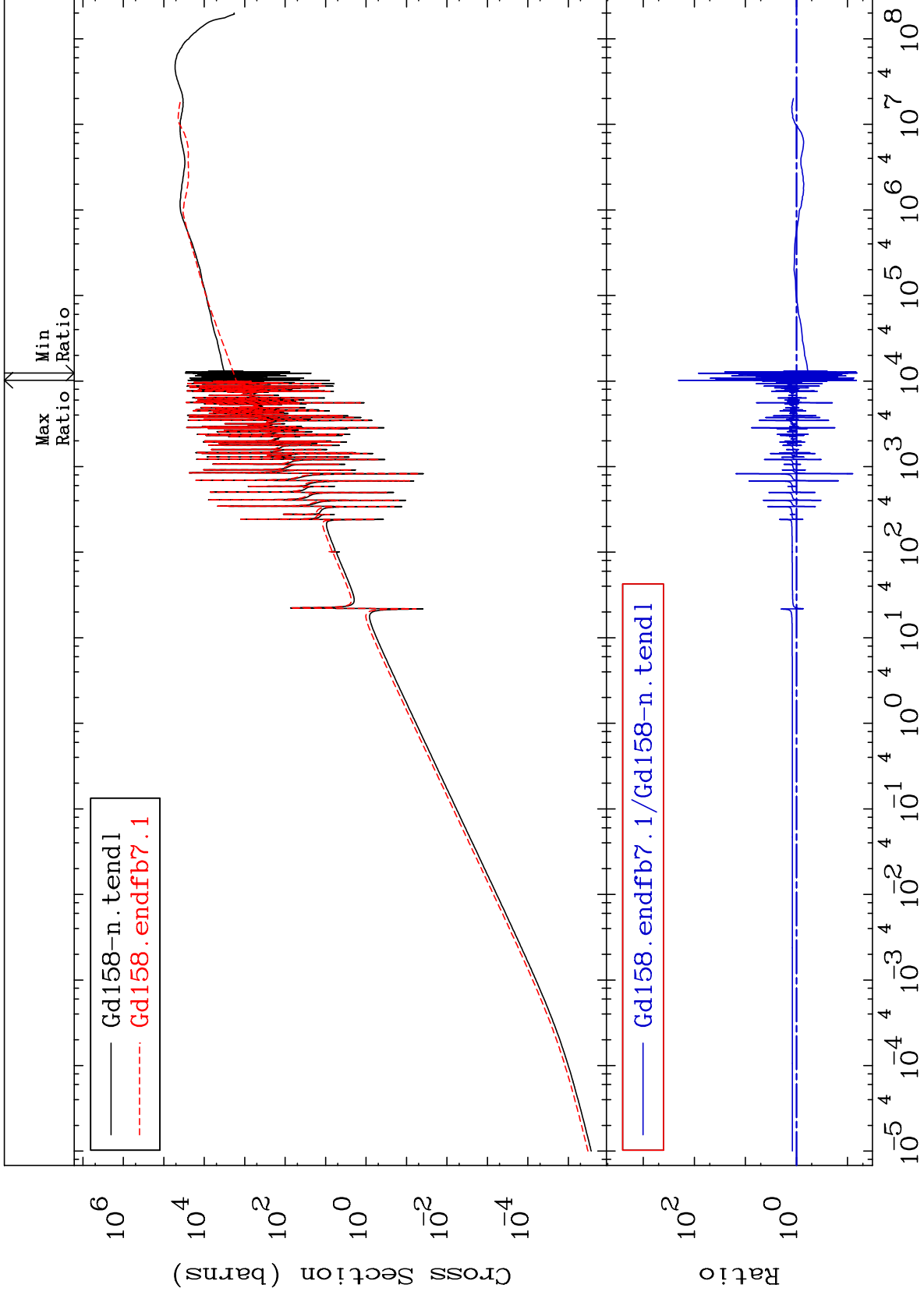




MAT 6443

Kerma elastic
Cross Section

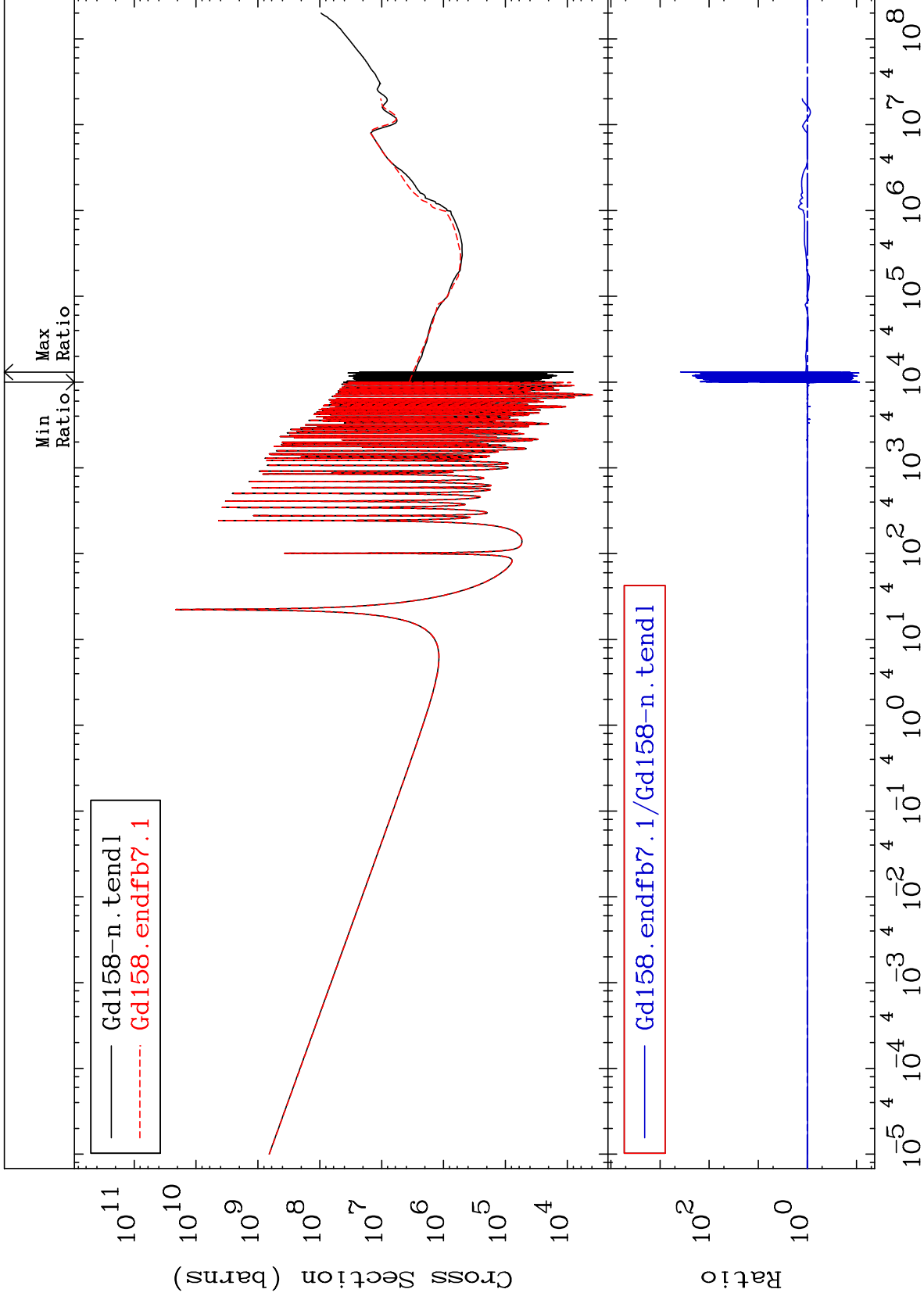
64-Gd-158
-93.57 To 9999. %



MAT 6443

Kerma non-elastic (all but mt2)
Cross Section

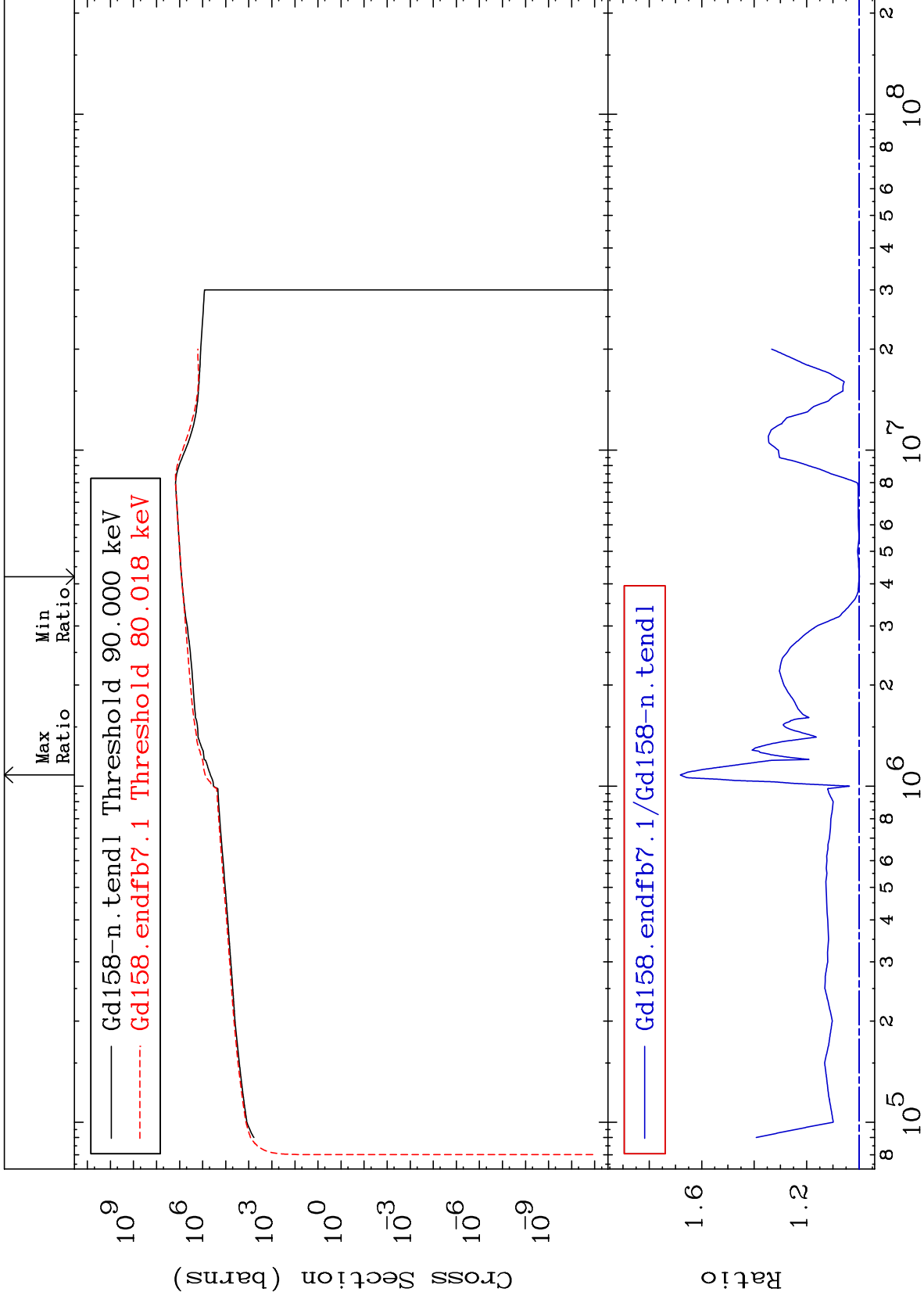
64-Gd-158
-91.30 To 9999. %



MAT 6443

Kerma inelastic (mt51-91)
Cross Section

64-Gd-158
-0.089 To 68.13 %



46

Incident Energy (eV)

64-Gd-158

MAT 6443

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

64-Gd-158
-0.089 To 68.13 %

