

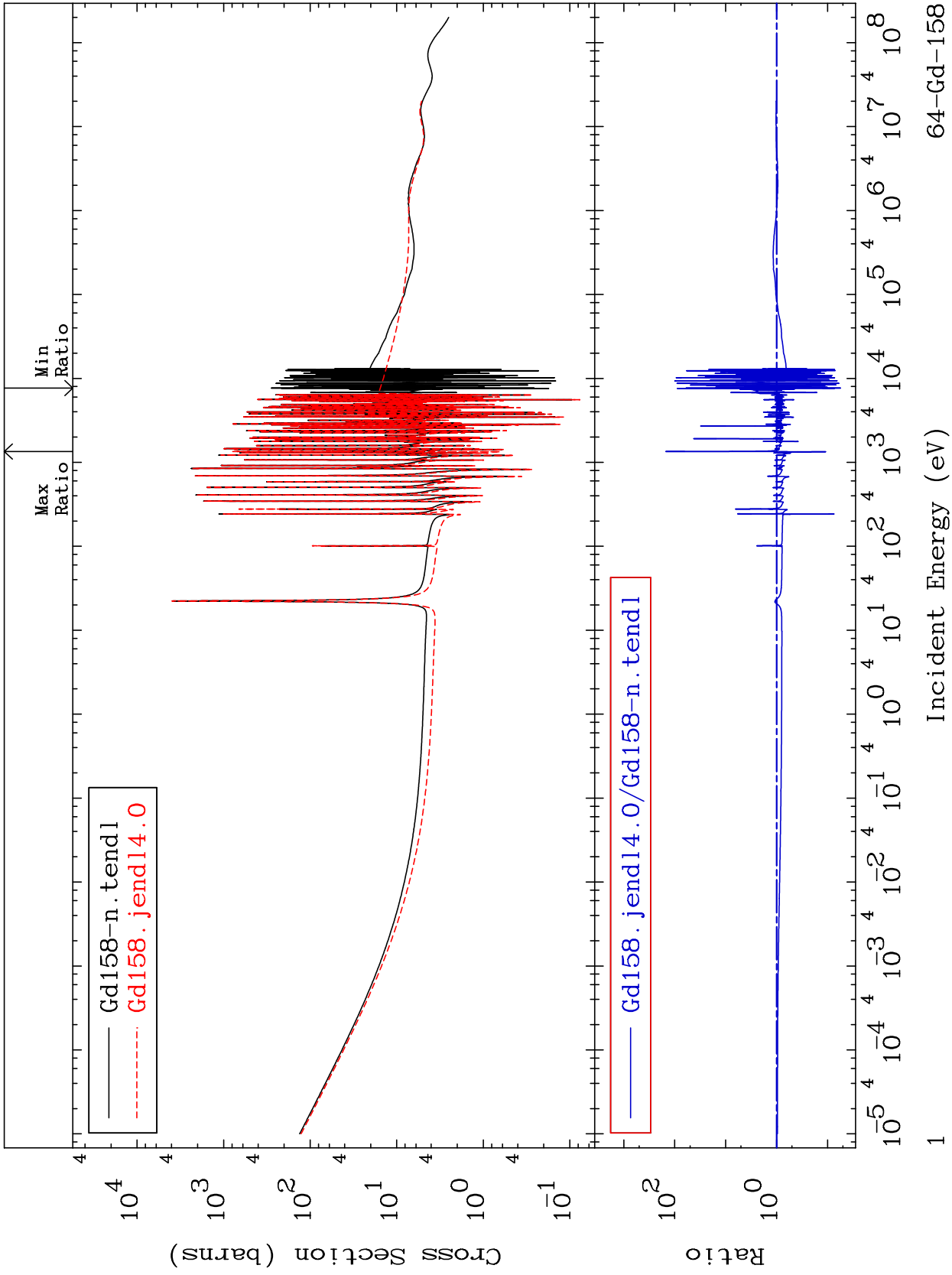
MAT 6443

Total

Cross Section

64-Gd-158

-94.46 To 9999. %



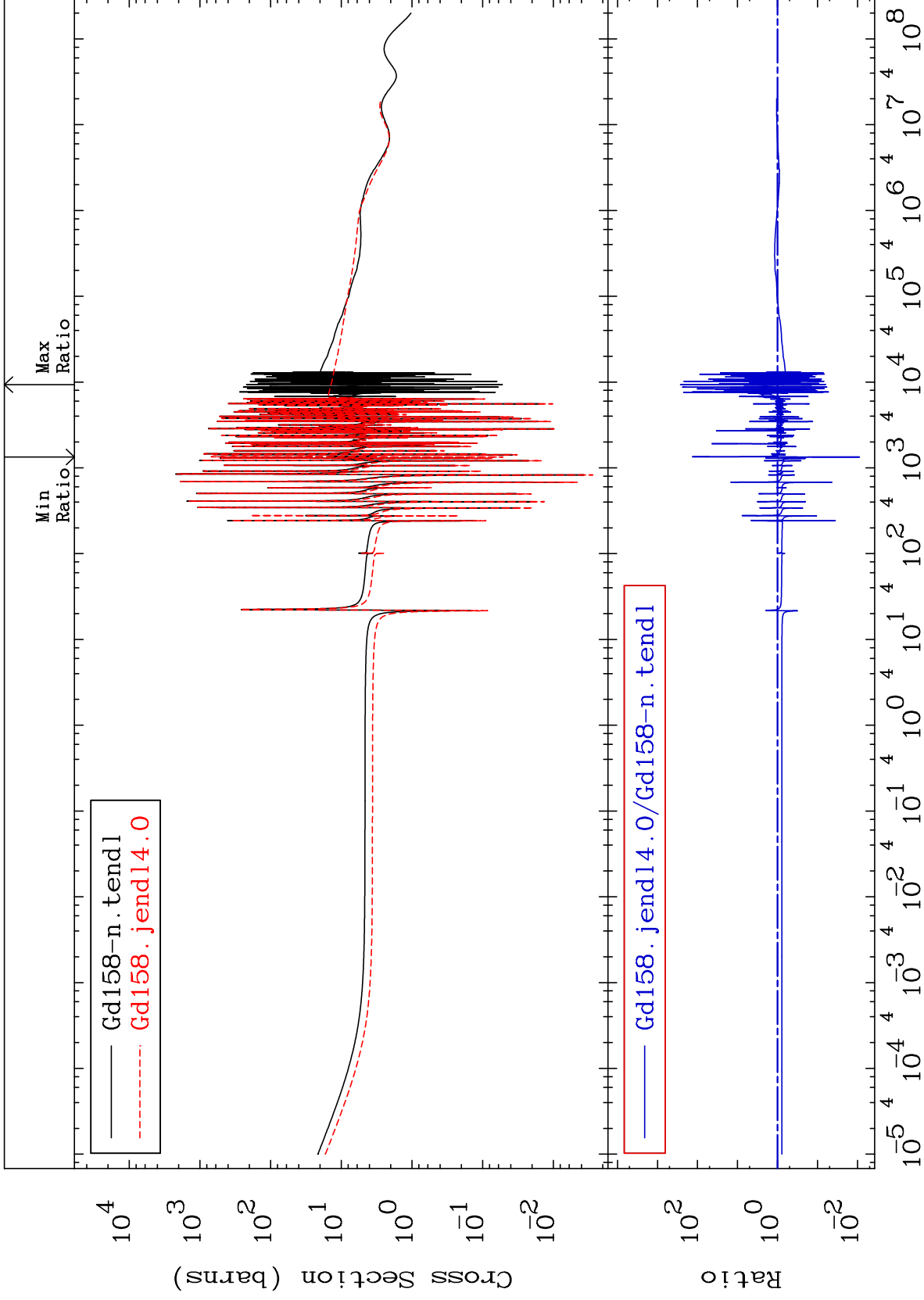
Incident Energy (eV)

64-Gd-158

MAT 6443

Elastic
Cross Section

64-Gd-158
-99.10 To 9999. %



2

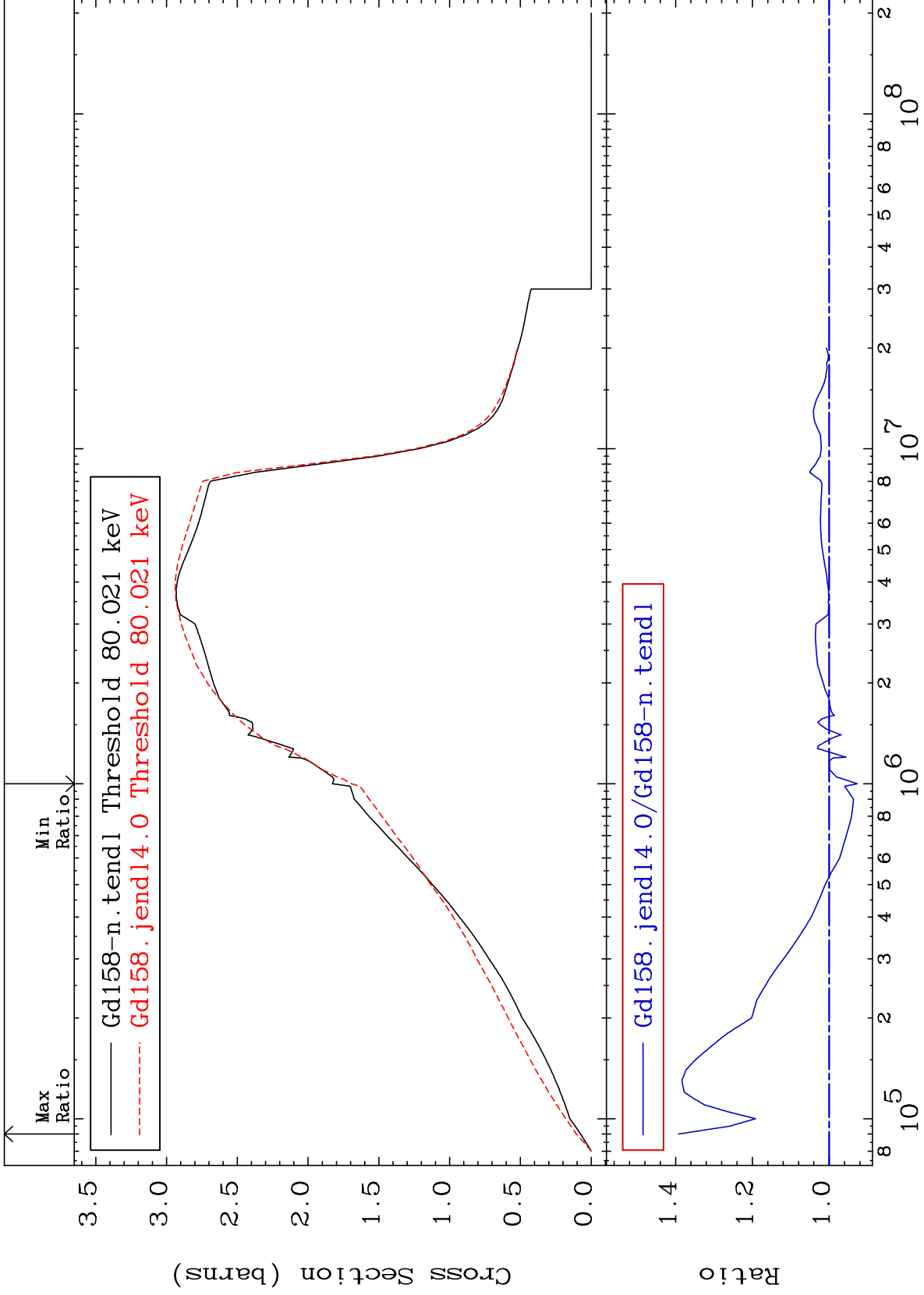
Incident Energy (eV)

64-Gd-158

MAT 6443

Inelastic
Cross Section

64-Gd-158
-7.295 To 39.21 %



3

Incident Energy (eV)

64-Gd-158

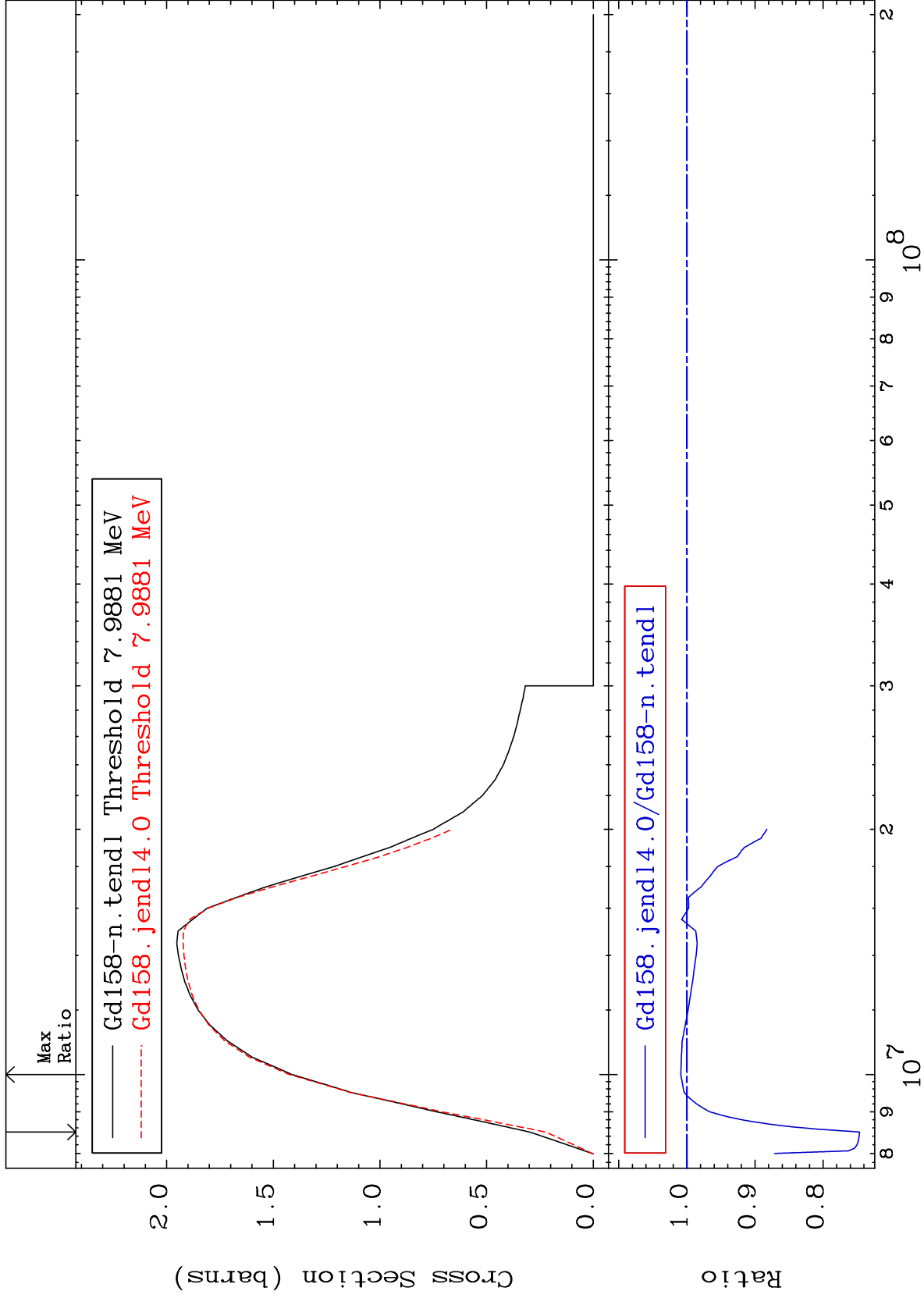
MAT 6443

(n,2n)

64-Gd-158

Cross Section

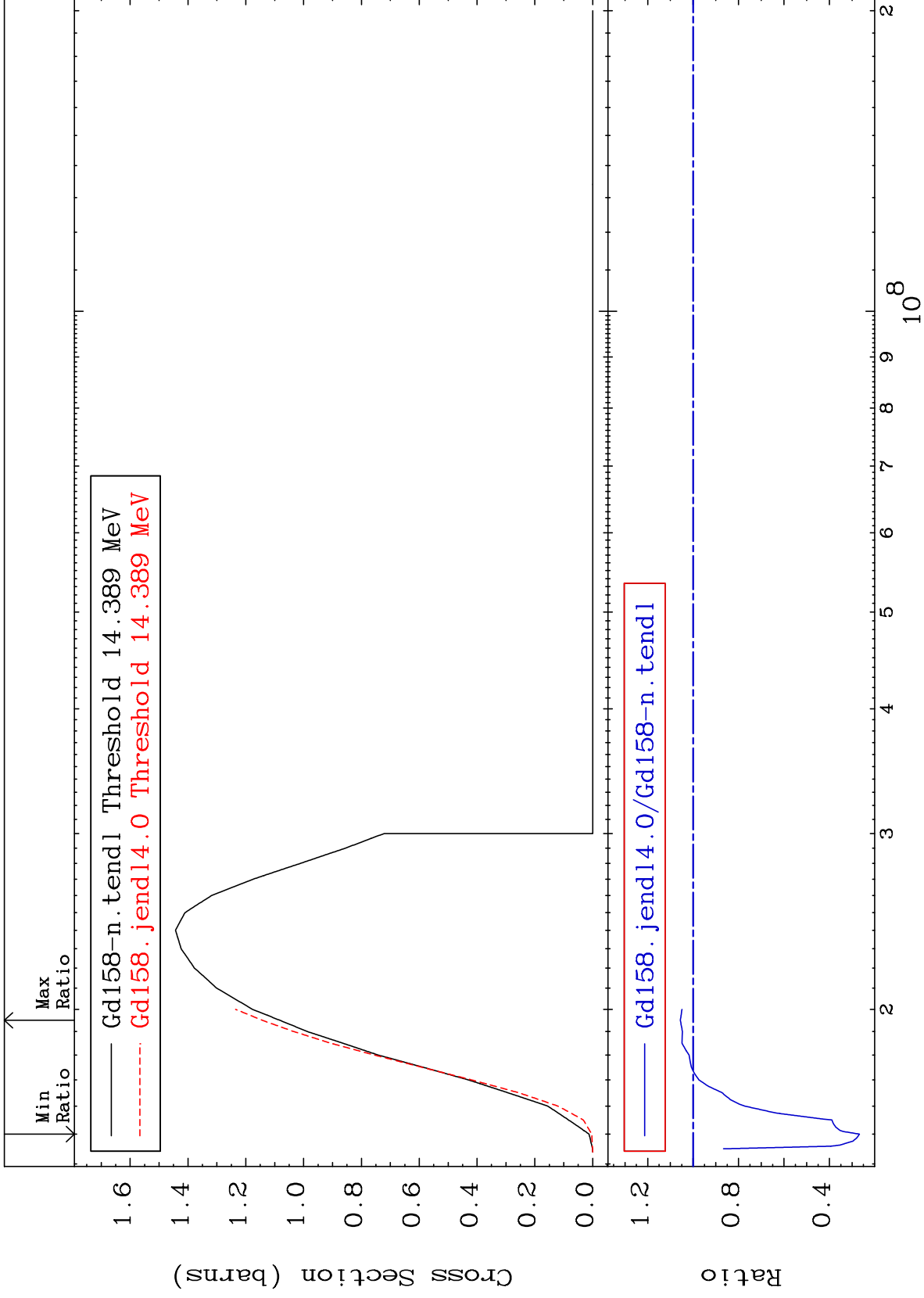
-25.35 To 0.899 %



4

Incident Energy (eV)

64-Gd-158



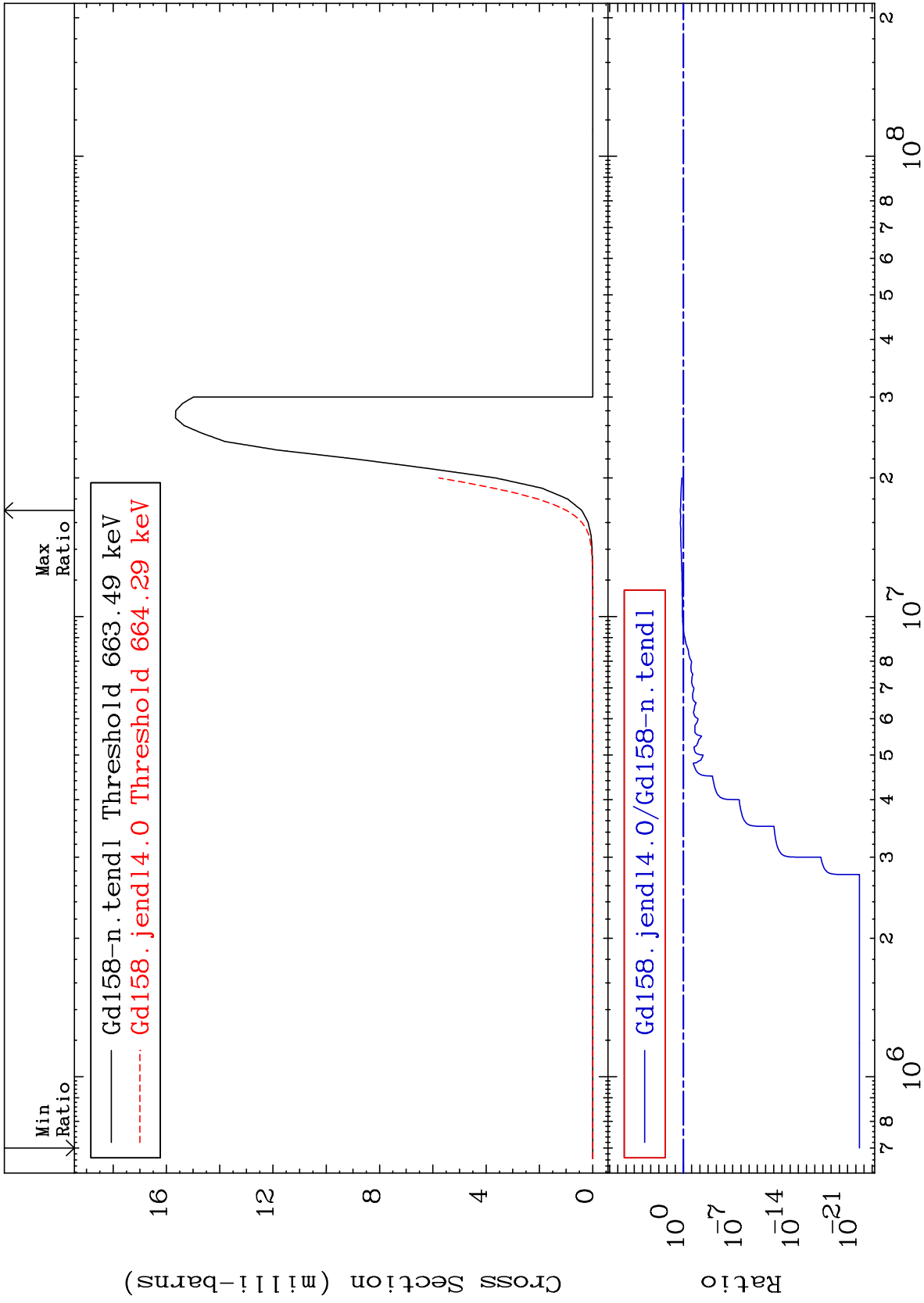
MAT 6443

(n,n') α

64-Gd-158

Cross Section

-100.0 To 139.2 %



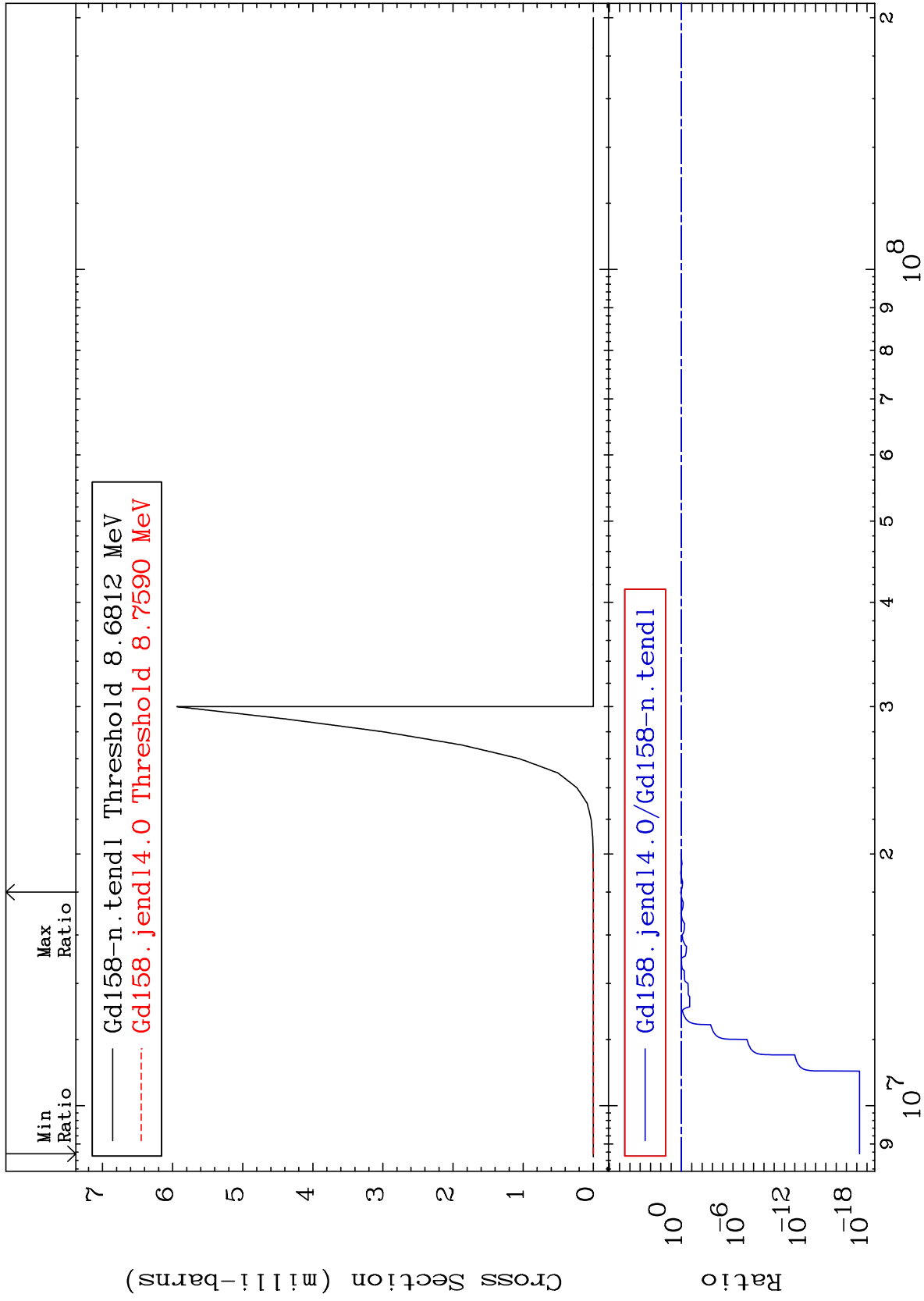
MAT 6443

(n,2n) α

64-Gd-158

Cross Section

-100.0 To 16.09 %



7

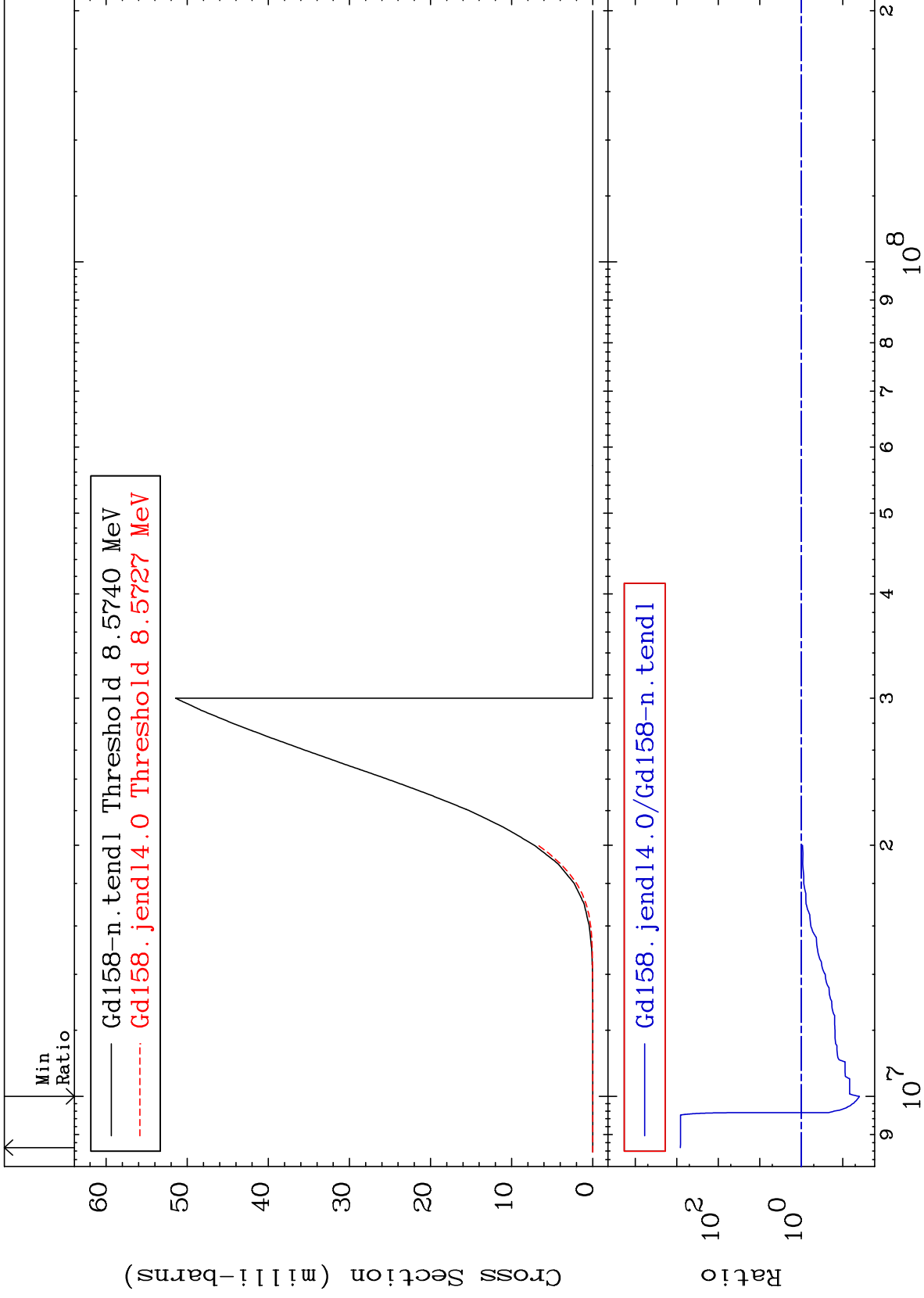
Incident Energy (eV)

64-Gd-158

MAT 6443

(n,n') p
Cross Section

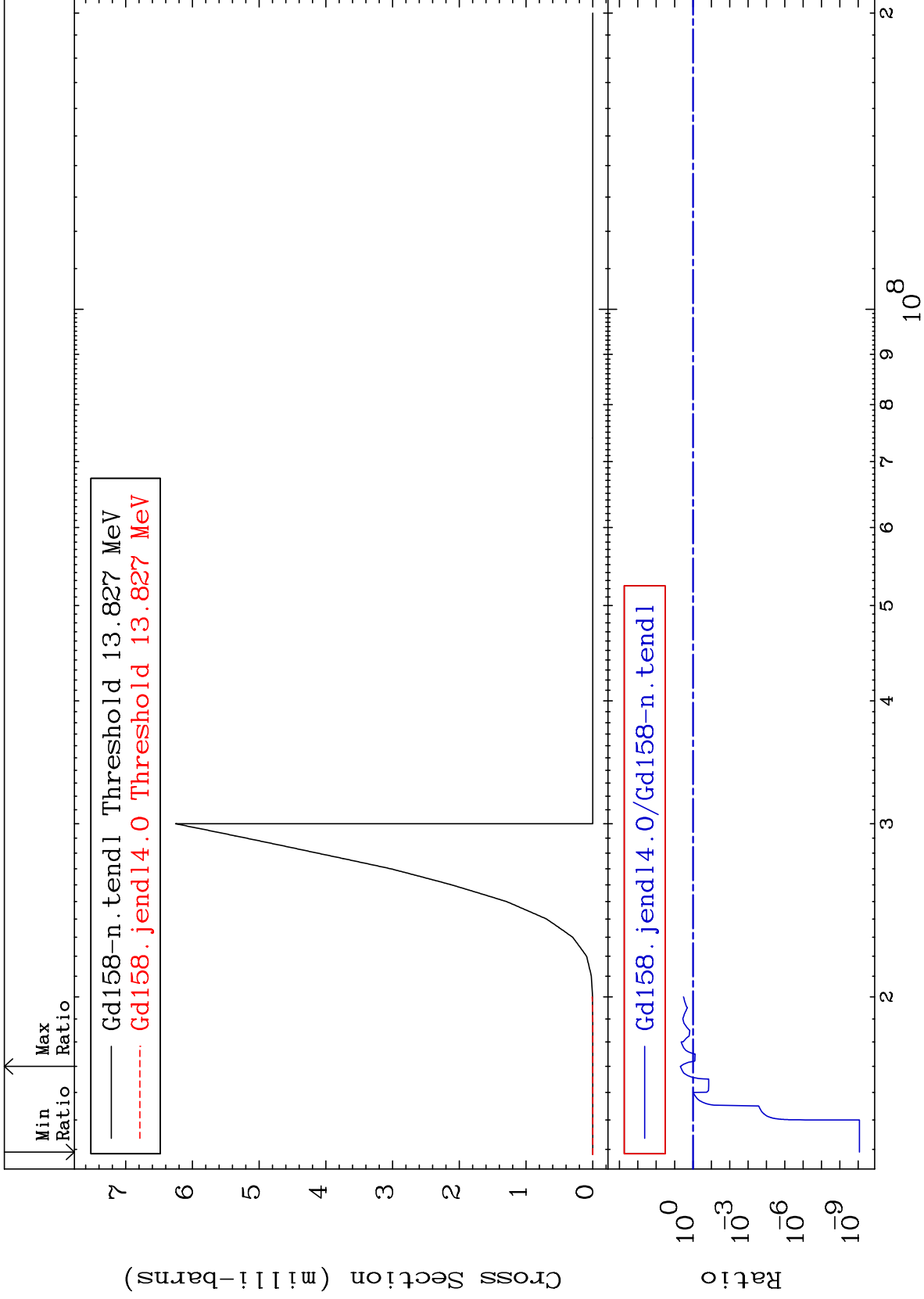
64-Gd-158
-96.03 To 9999. %



8

Incident Energy (eV)

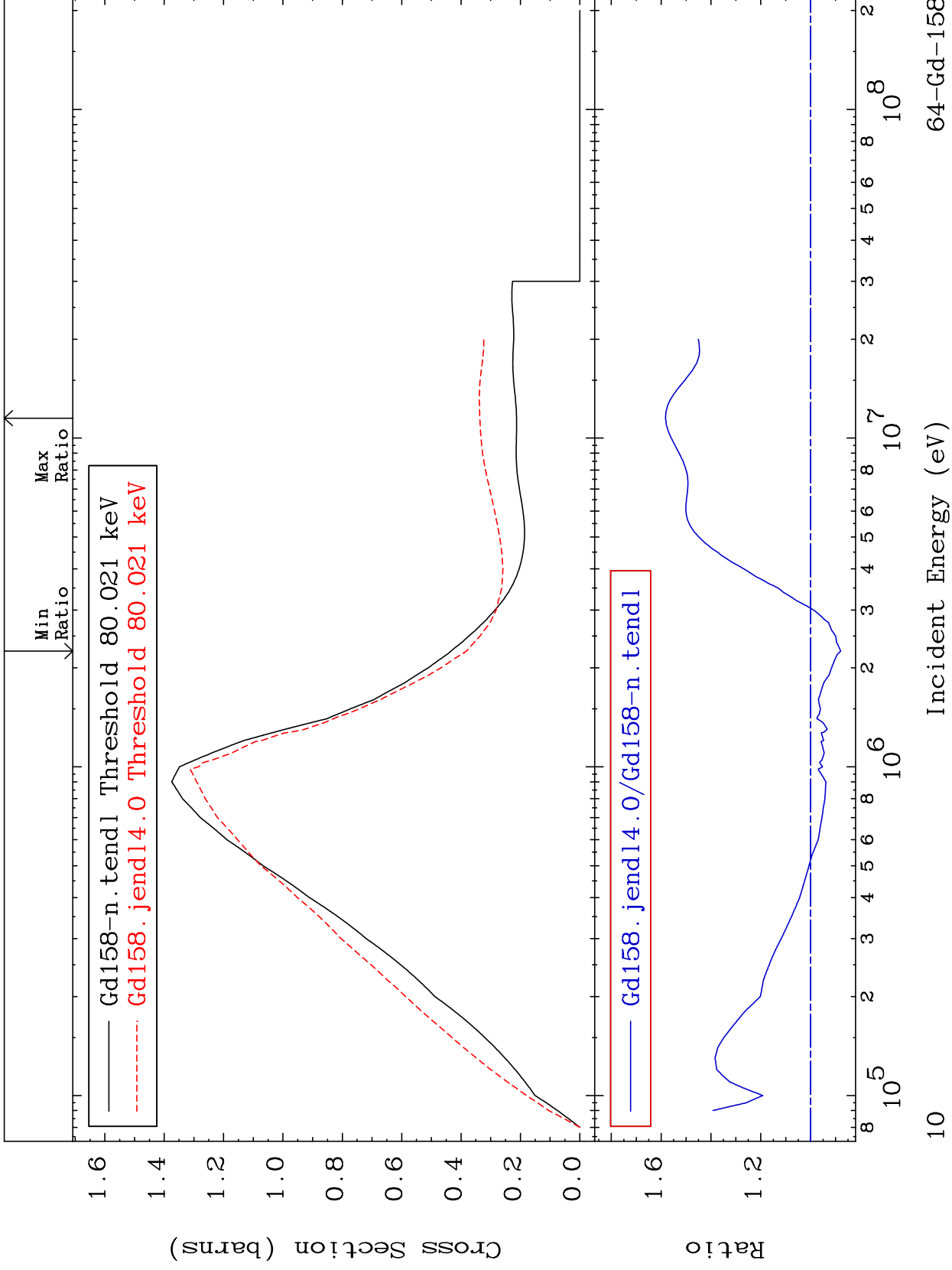
64-Gd-158



MAT 6443

79.51 keV (n,n') Level
Cross Section

64-Gd-158
-12.06 To 58.25 %



10

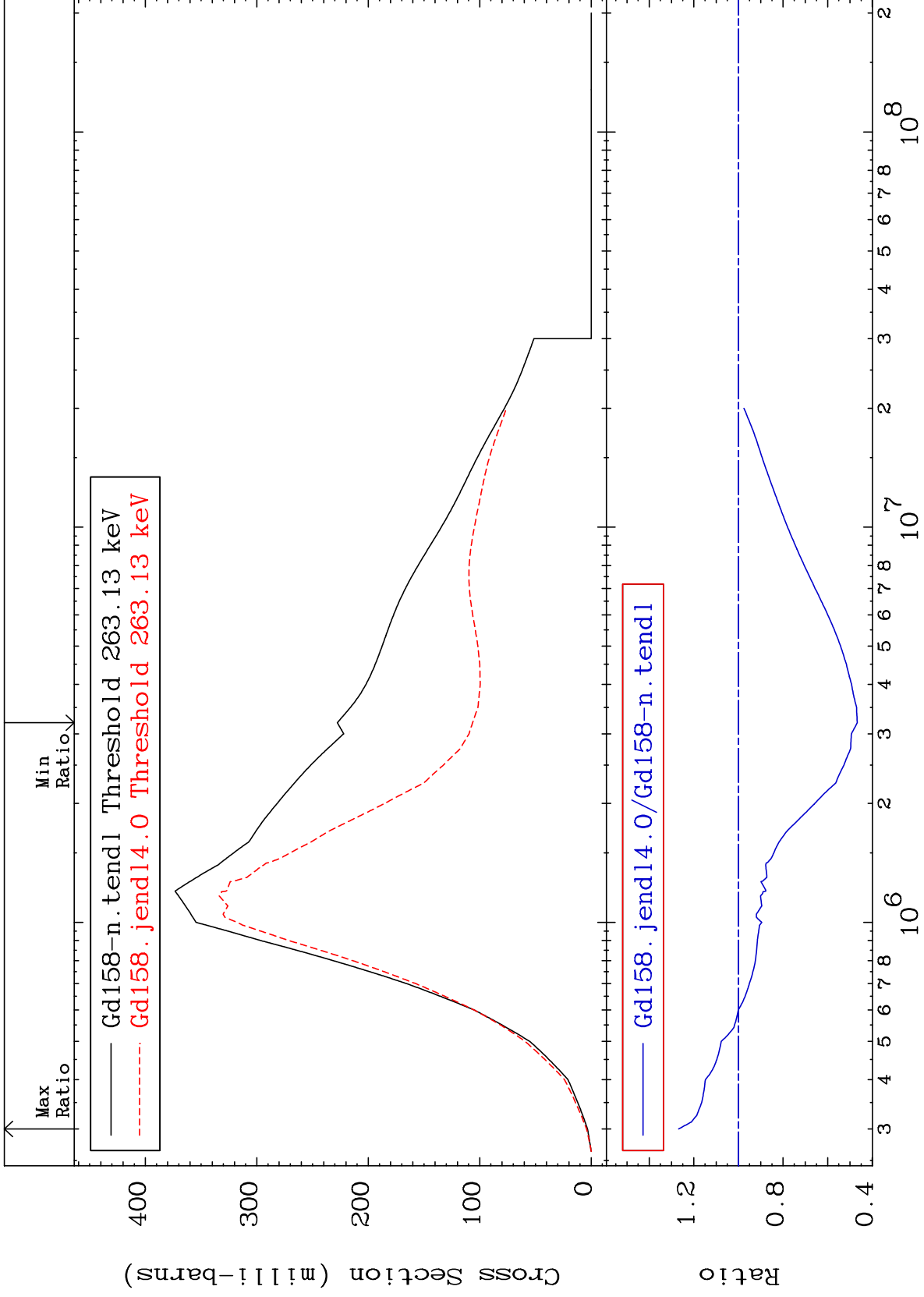
Incident Energy (eV)

64-Gd-158

MAT 6443

261.5 keV (n,n') Level
Cross Section

64-Gd-158
-53.27 To 26.82 %



11

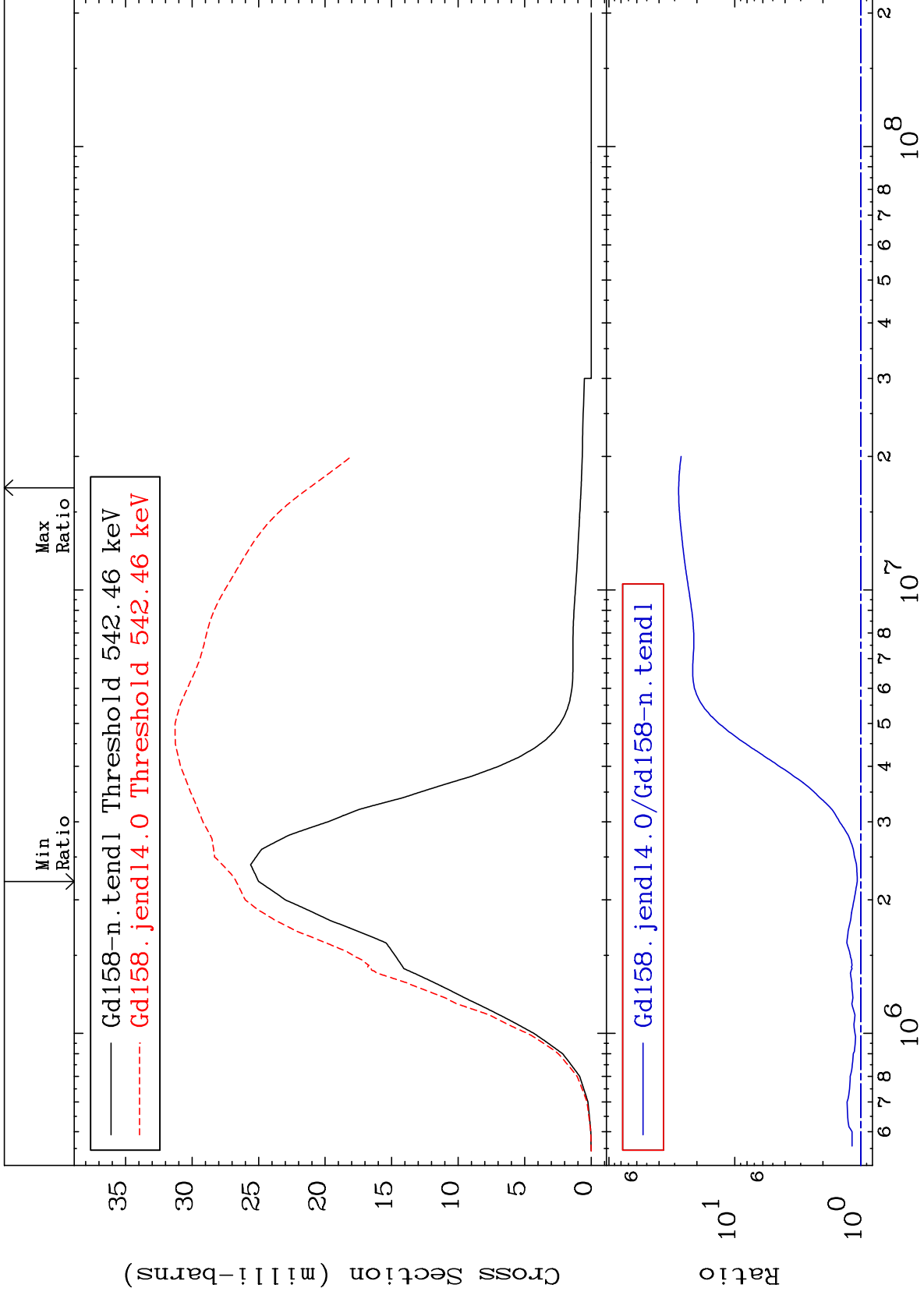
Incident Energy (eV)

64-Gd-158

MAT 6443

539.0 keV (n,n') Level
Cross Section

64-Gd-158
6.742 To 2693. %



12

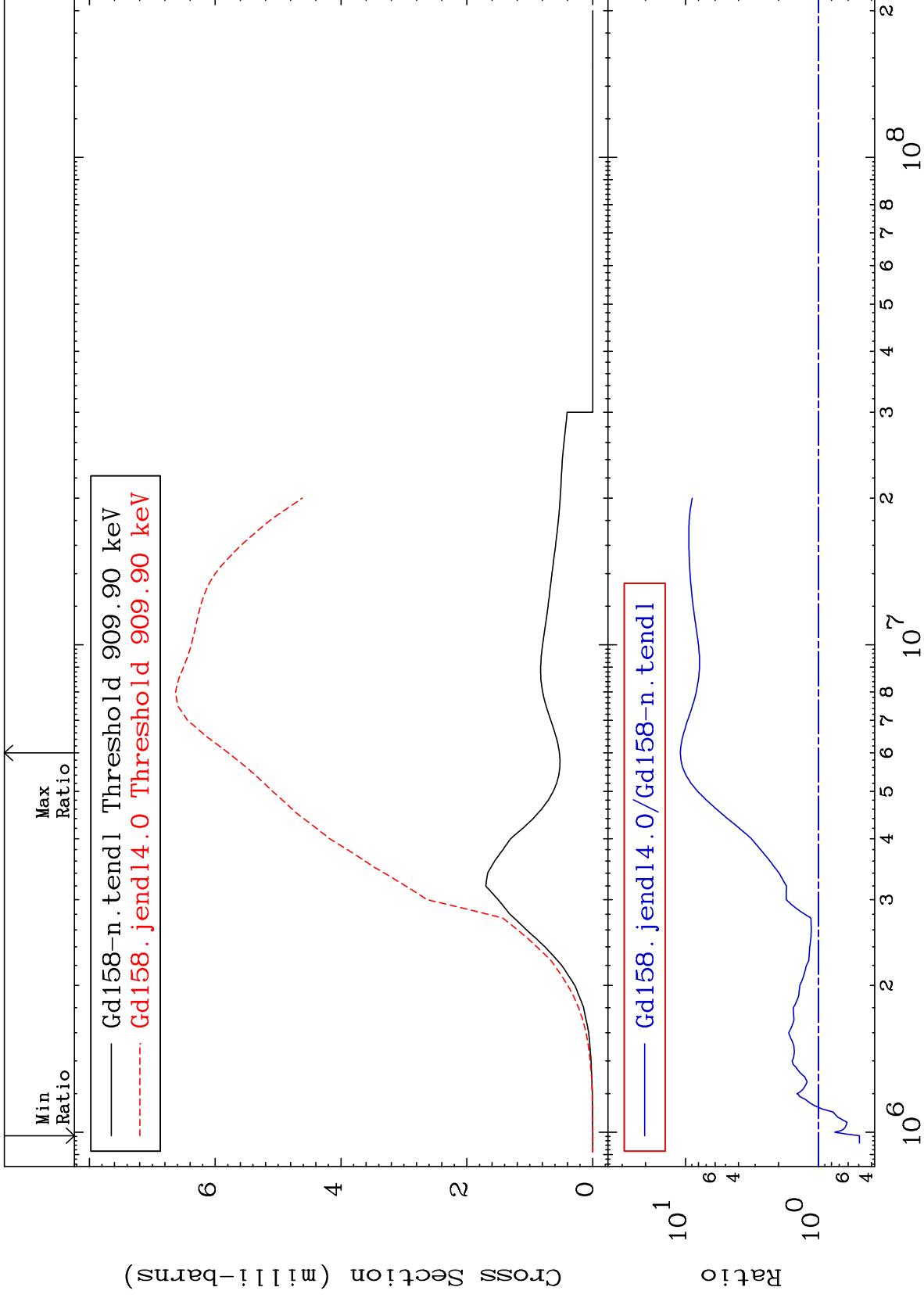
Incident Energy (eV)

64-Gd-158

MAT 6443

904.1 keV (n,n') Level
Cross Section

64-Gd-158
-50.63 To 995.3 %



13

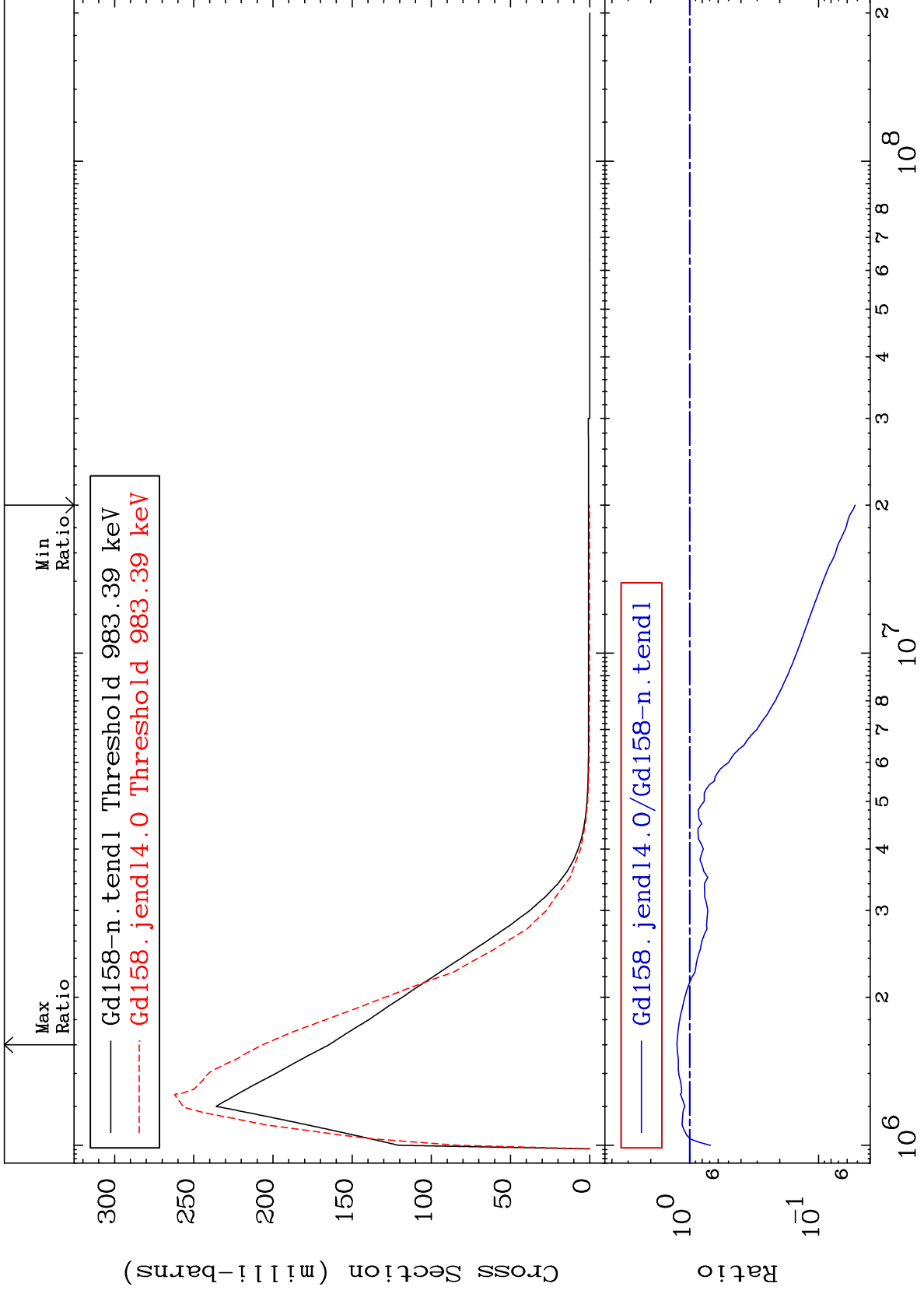
Incident Energy (eV)

64-Gd-158

MAT 6443

977.1 keV (n,n') Level
Cross Section

64-Gd-158
-94.79 To 25.49 %



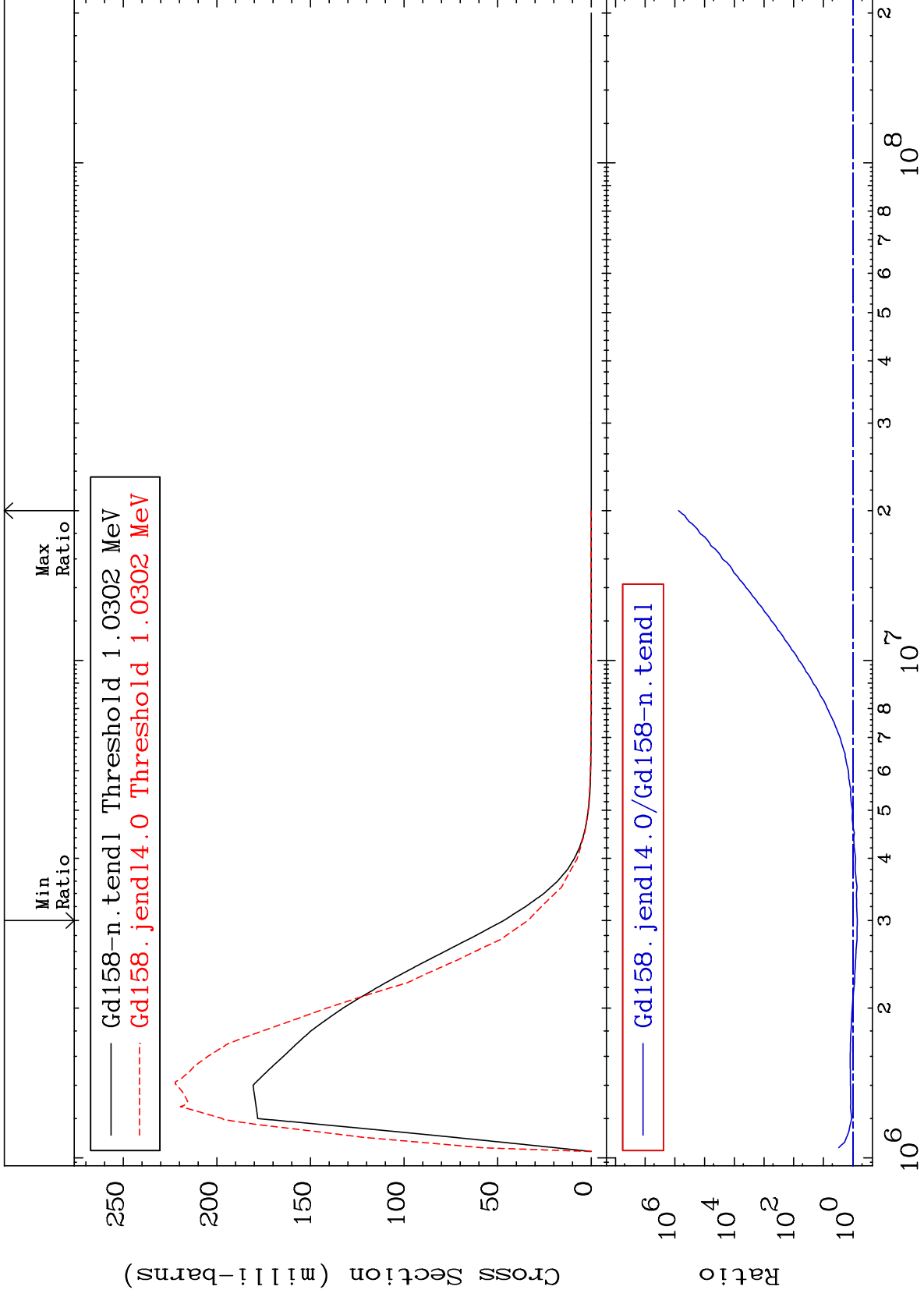
64-Gd-158

14

MAT 6443

1.024 MeV (n,n') Level
Cross Section

64-Gd-158
-27.63 To 9999. %



15

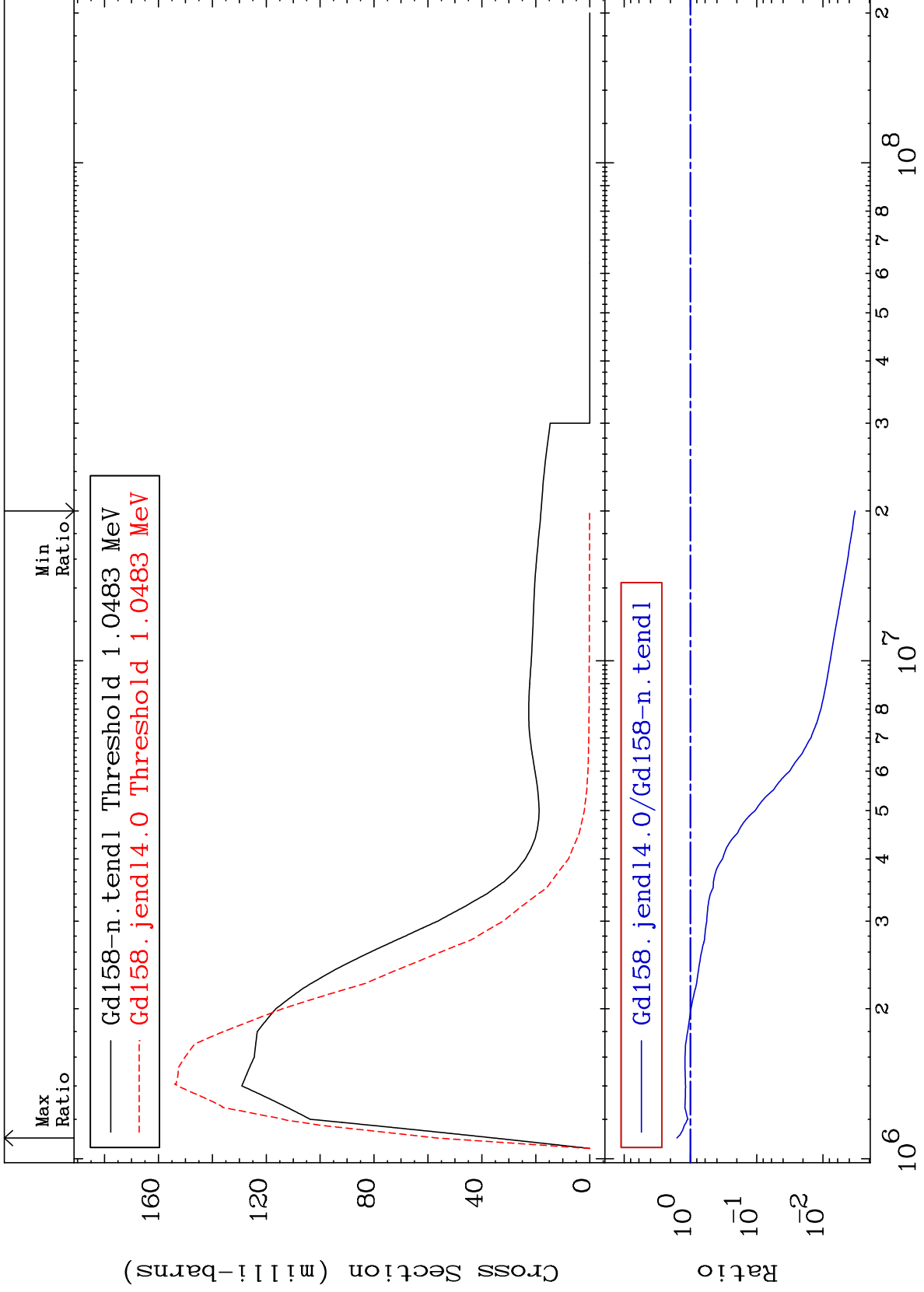
Incident Energy (eV)

64-Gd-158

MAT 6443

1.042 MeV (n,n') Level
Cross Section

64-Gd-158
-99.67 To 59.97 %



16

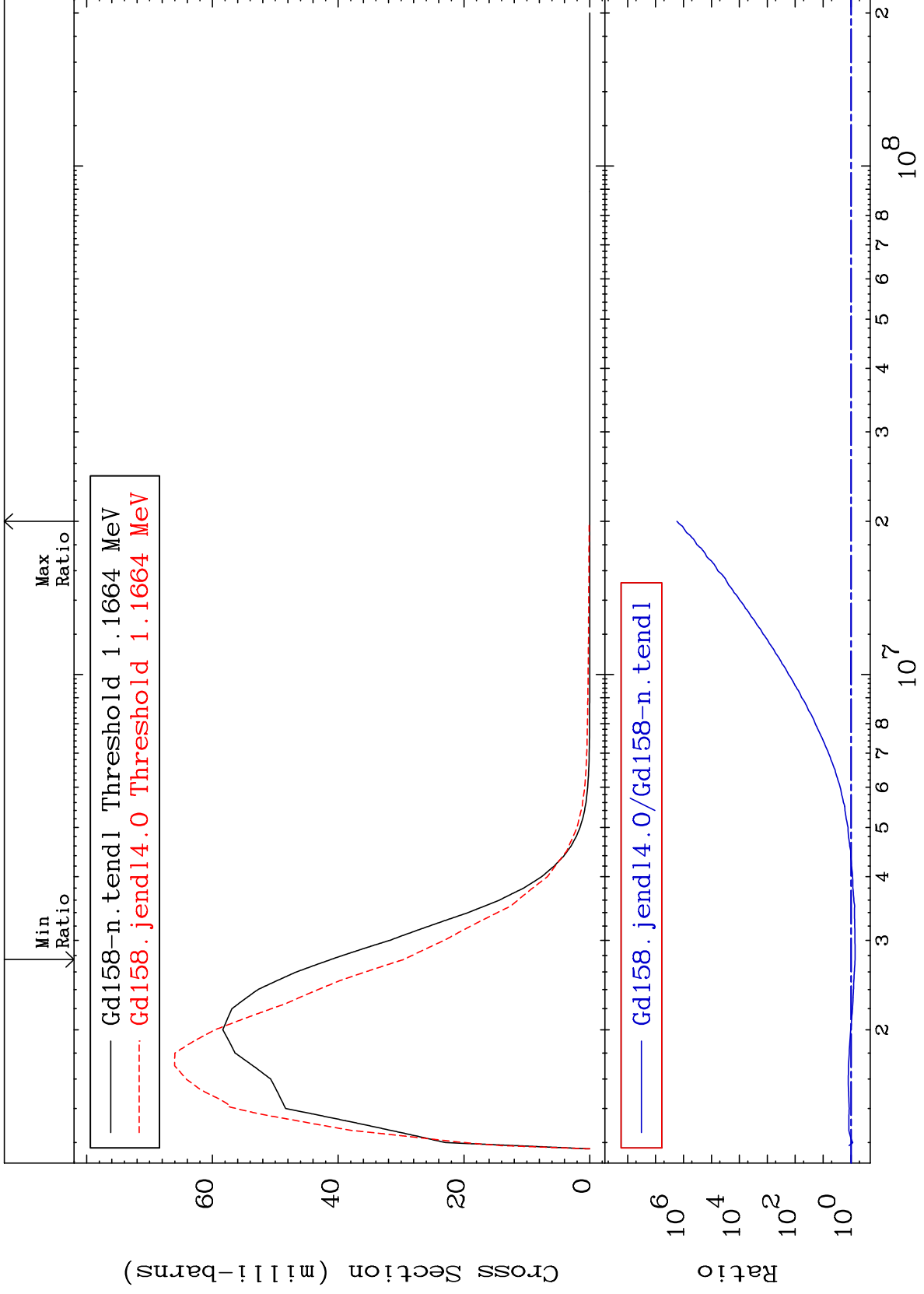
Incident Energy (eV)

64-Gd-158

MAT 6443

1.159 MeV (n,n') Level
Cross Section

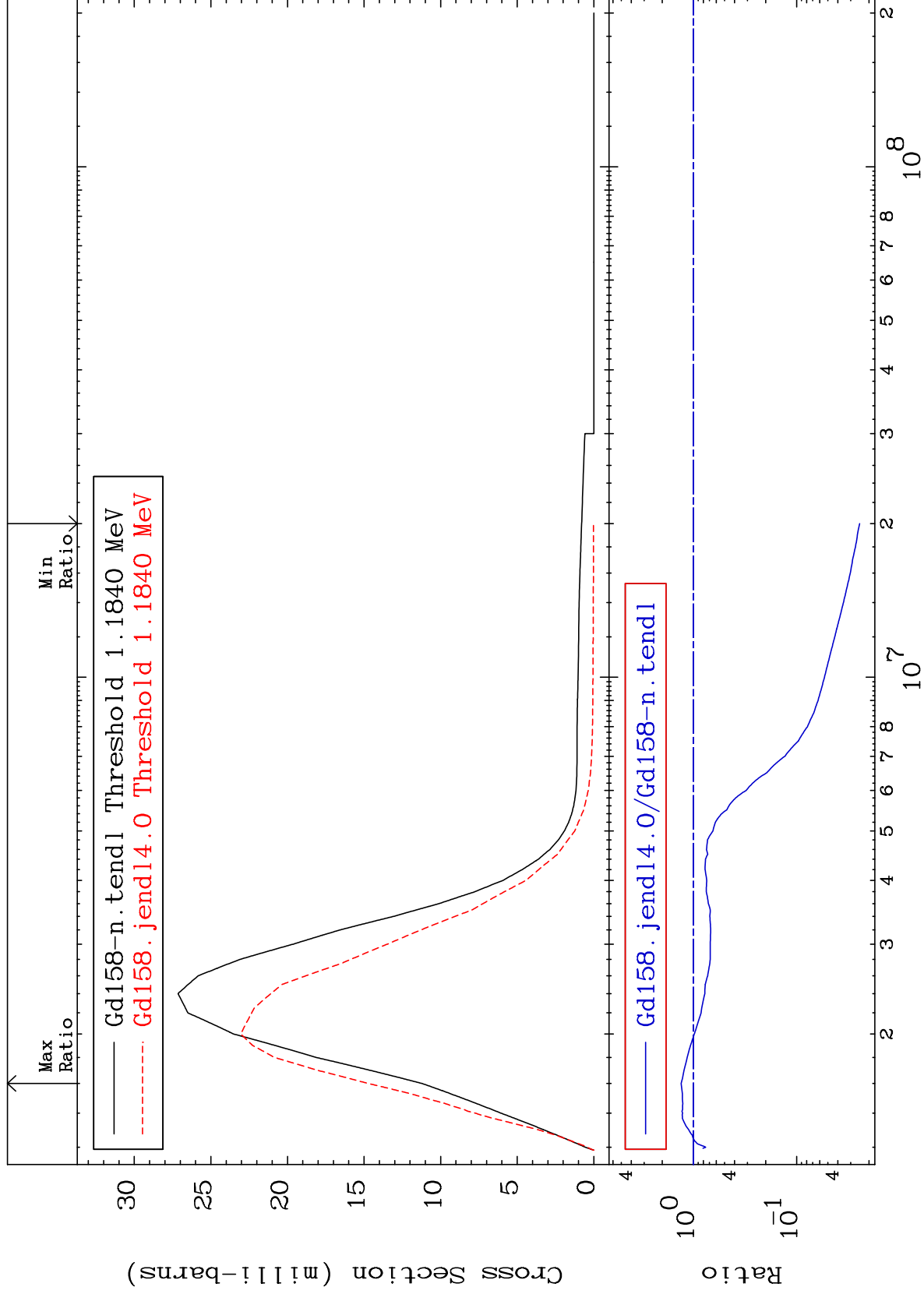
64-Gd-158
-28.14 To 9999. %



MAT 6443

1.176 MeV (n,n') Level
Cross Section

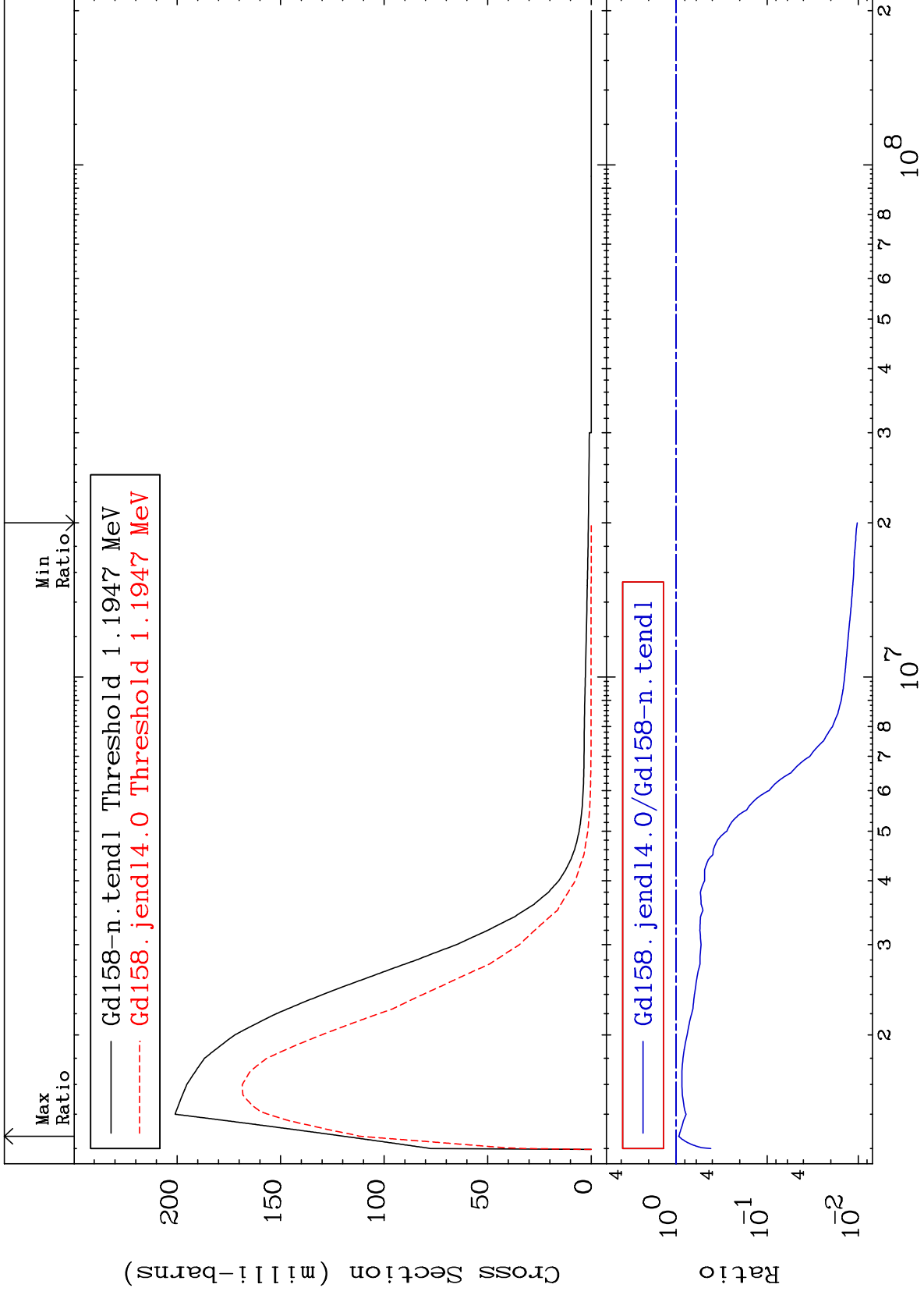
64-Gd-158
-97.54 To 31.34 %



MAT 6443

1.187 MeV (n,n') Level
Cross Section

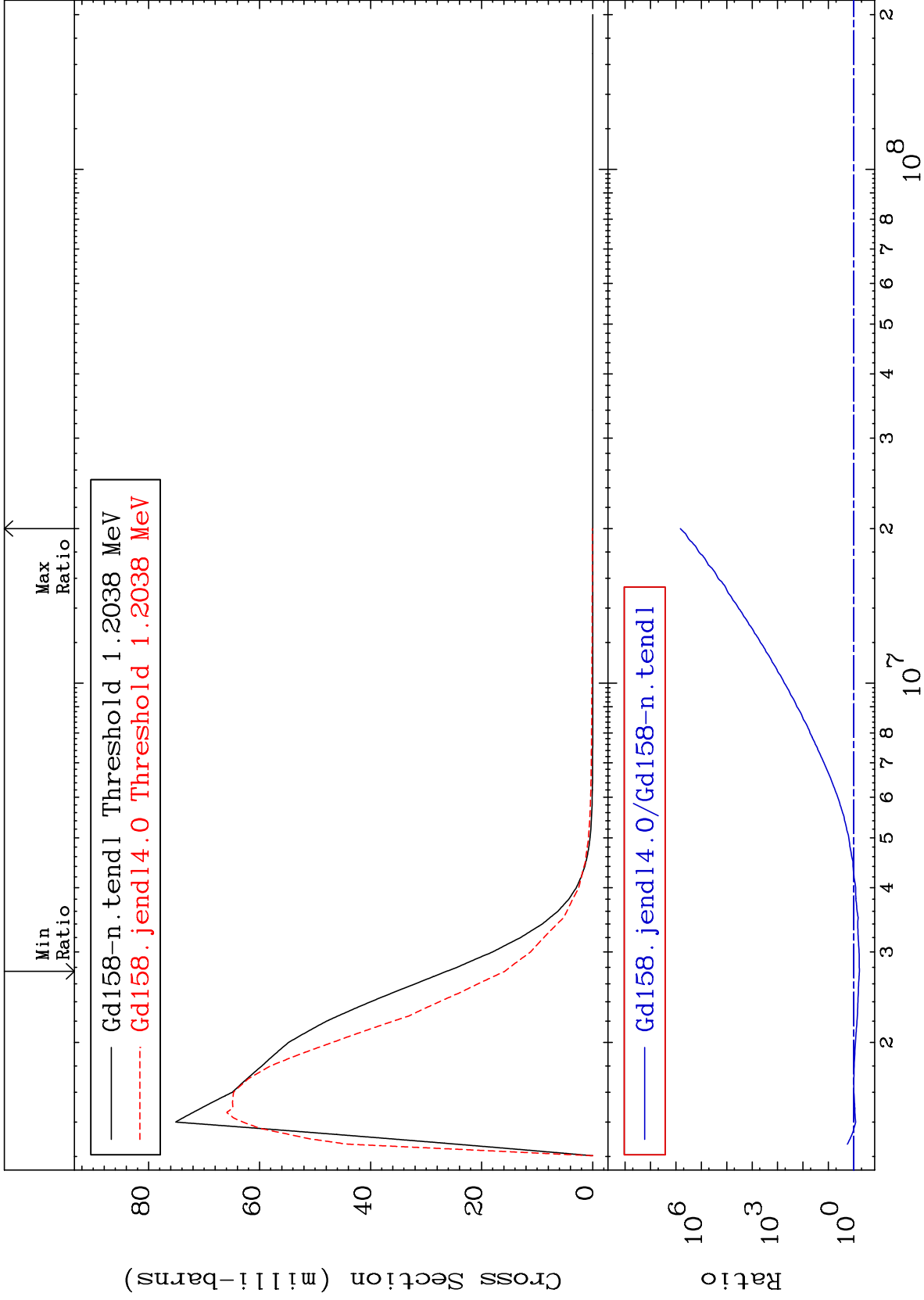
64-Gd-158
-98.97 To -6.415%



MAT 6443

1.196 MeV (n,n') Level
Cross Section

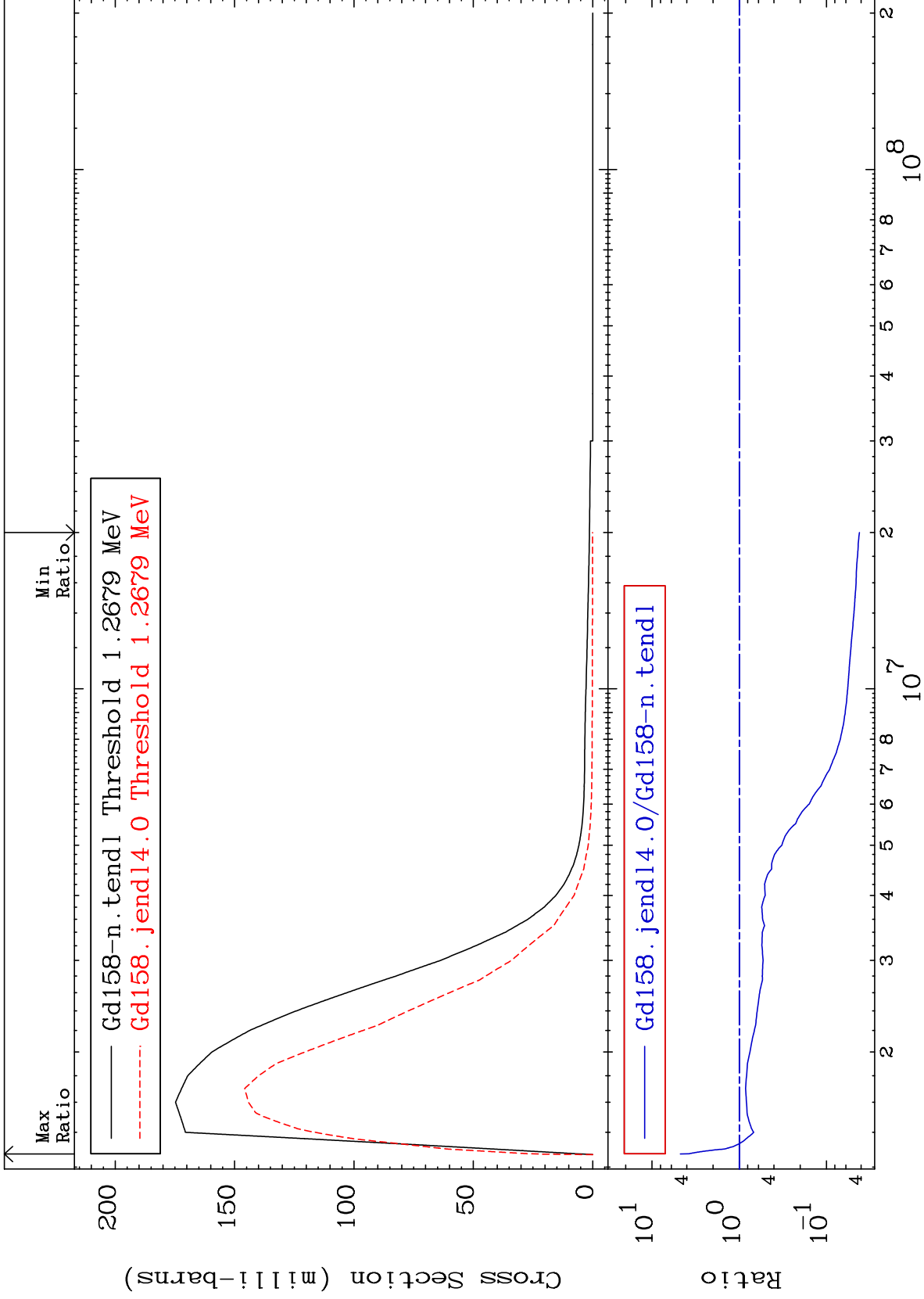
64-Gd-158
-39.81 To 9999. %



MAT 6443

1.260 MeV (n,n') Level
Cross Section

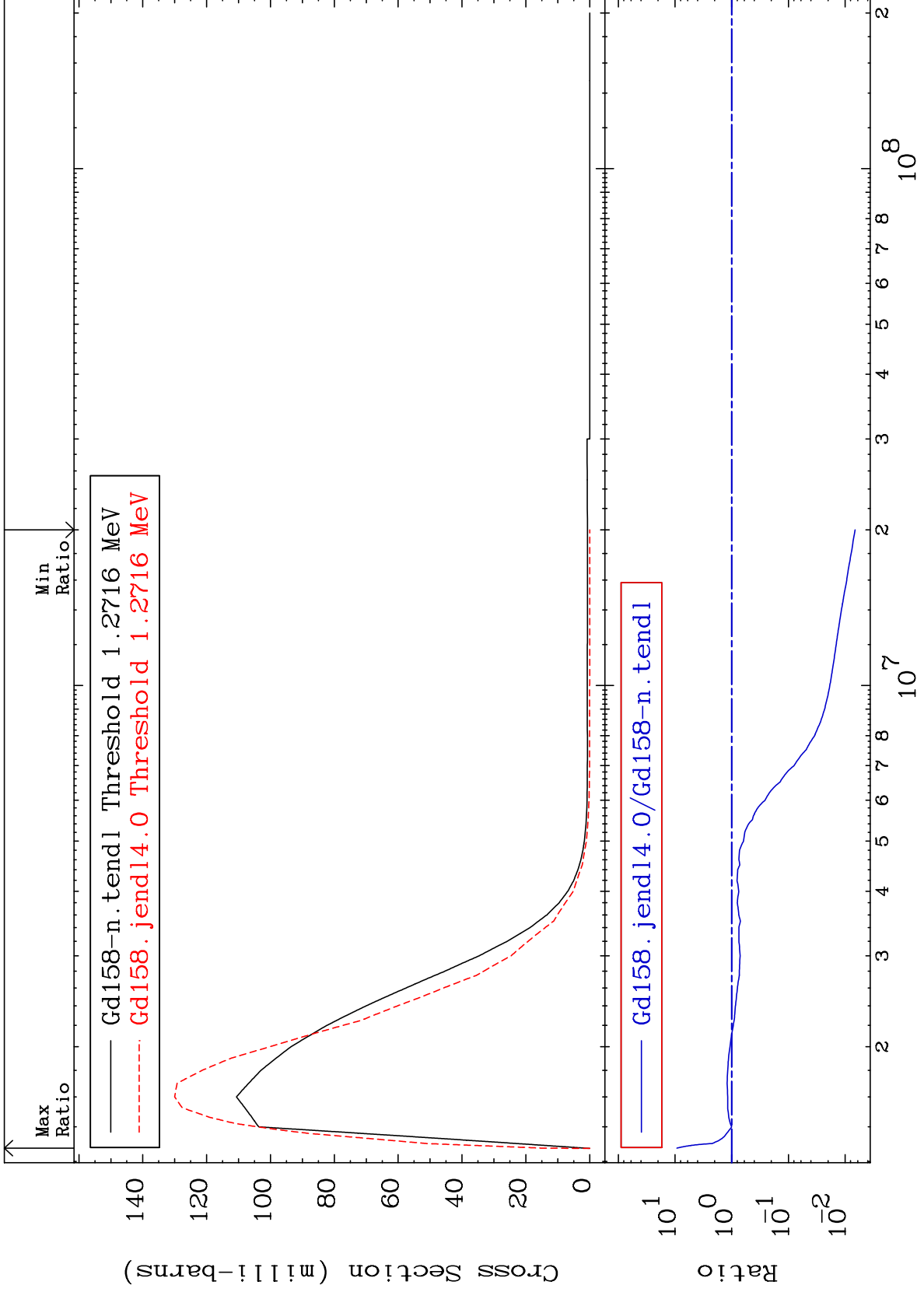
64-Gd-158
-95.81 To 372.9 %



MAT 6443

1.264 MeV (n,n') Level
Cross Section

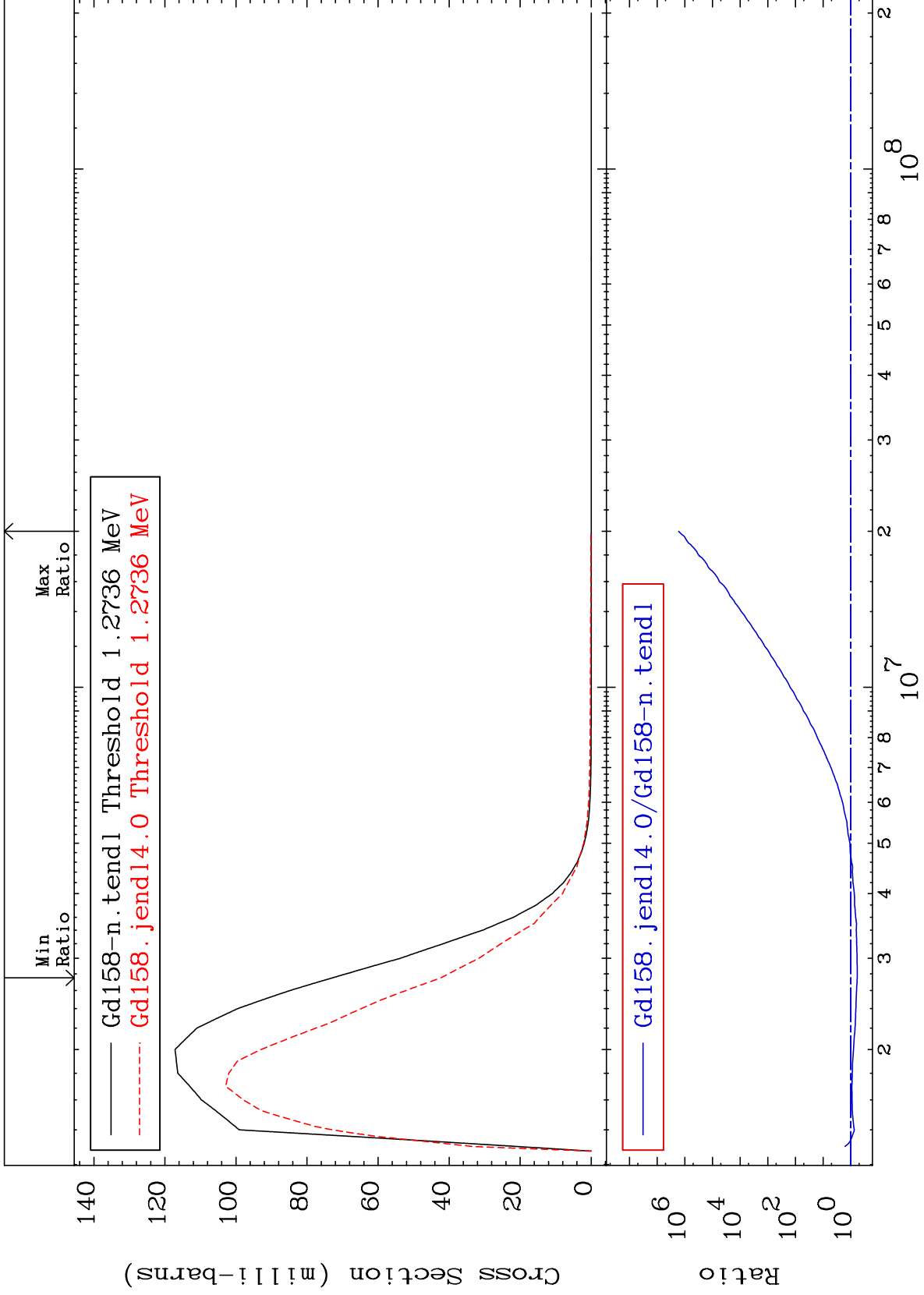
64-Gd-158
-99.33 To 826.7 %

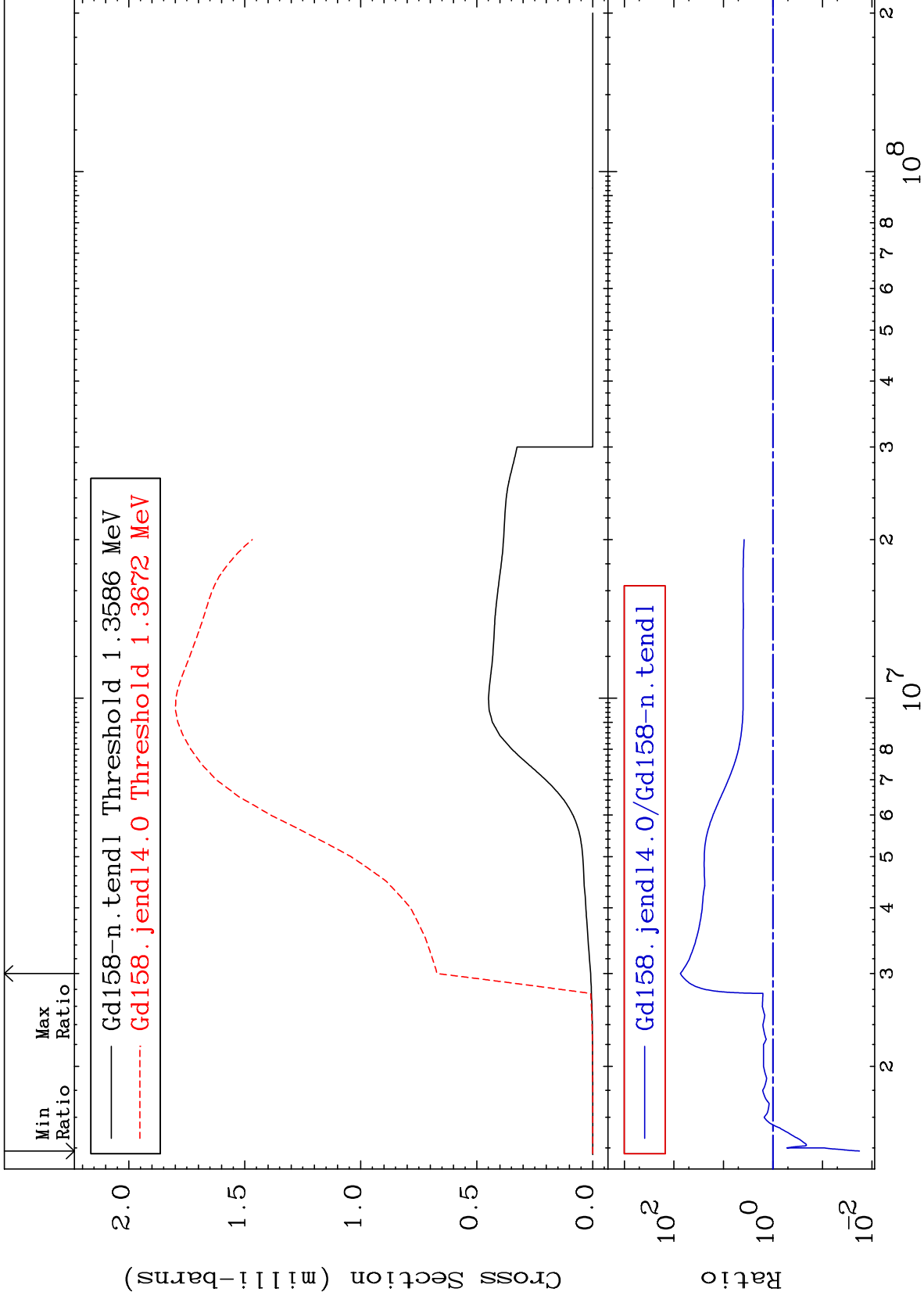


MAT 6443

1.266 MeV (n,n') Level
Cross Section

64-Gd-158
-41.93 To 9999. %

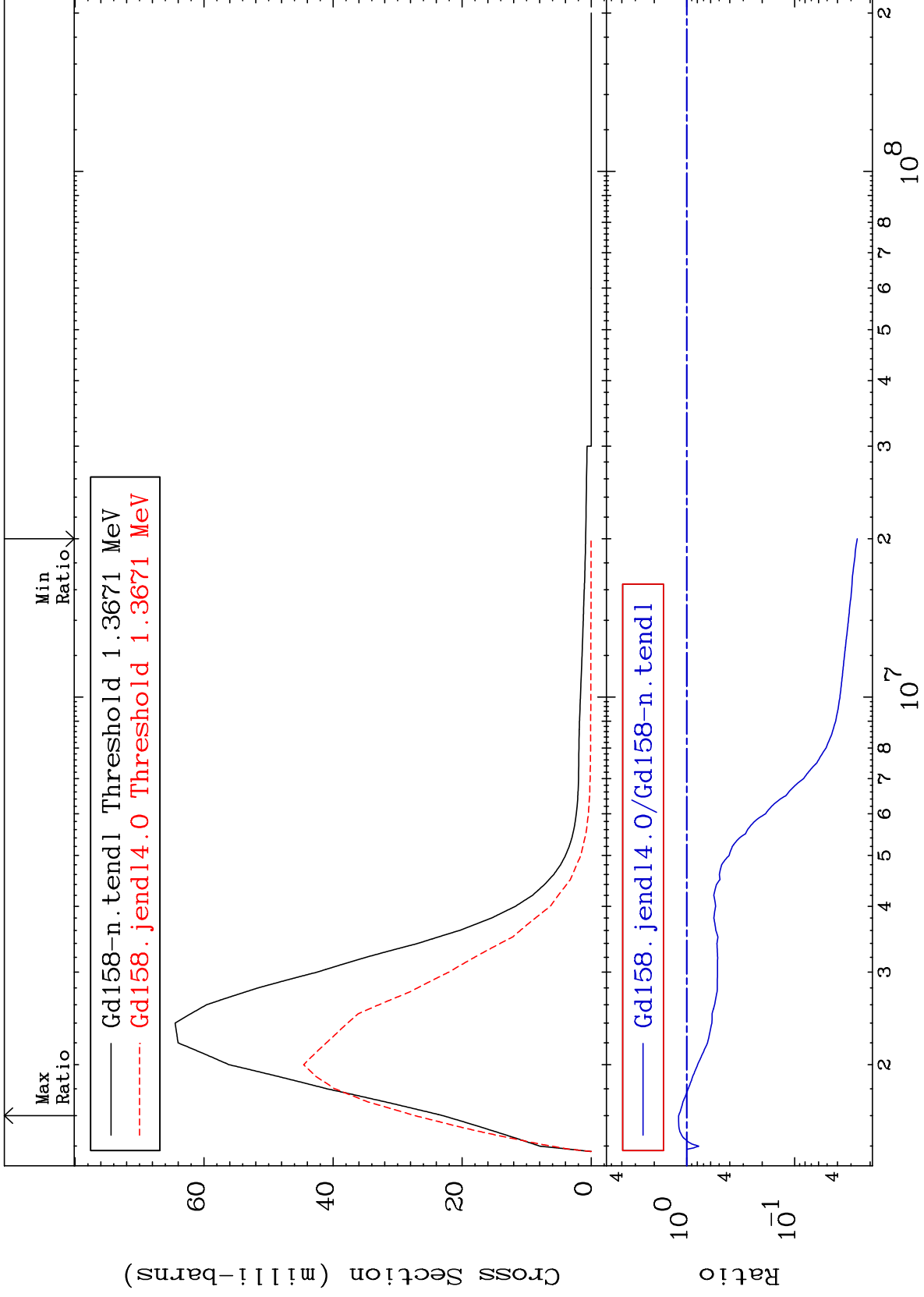




MAT 6443

1.358 MeV (n,n') Level
Cross Section

64-Gd-158
-97.37 To 18.94 %



25

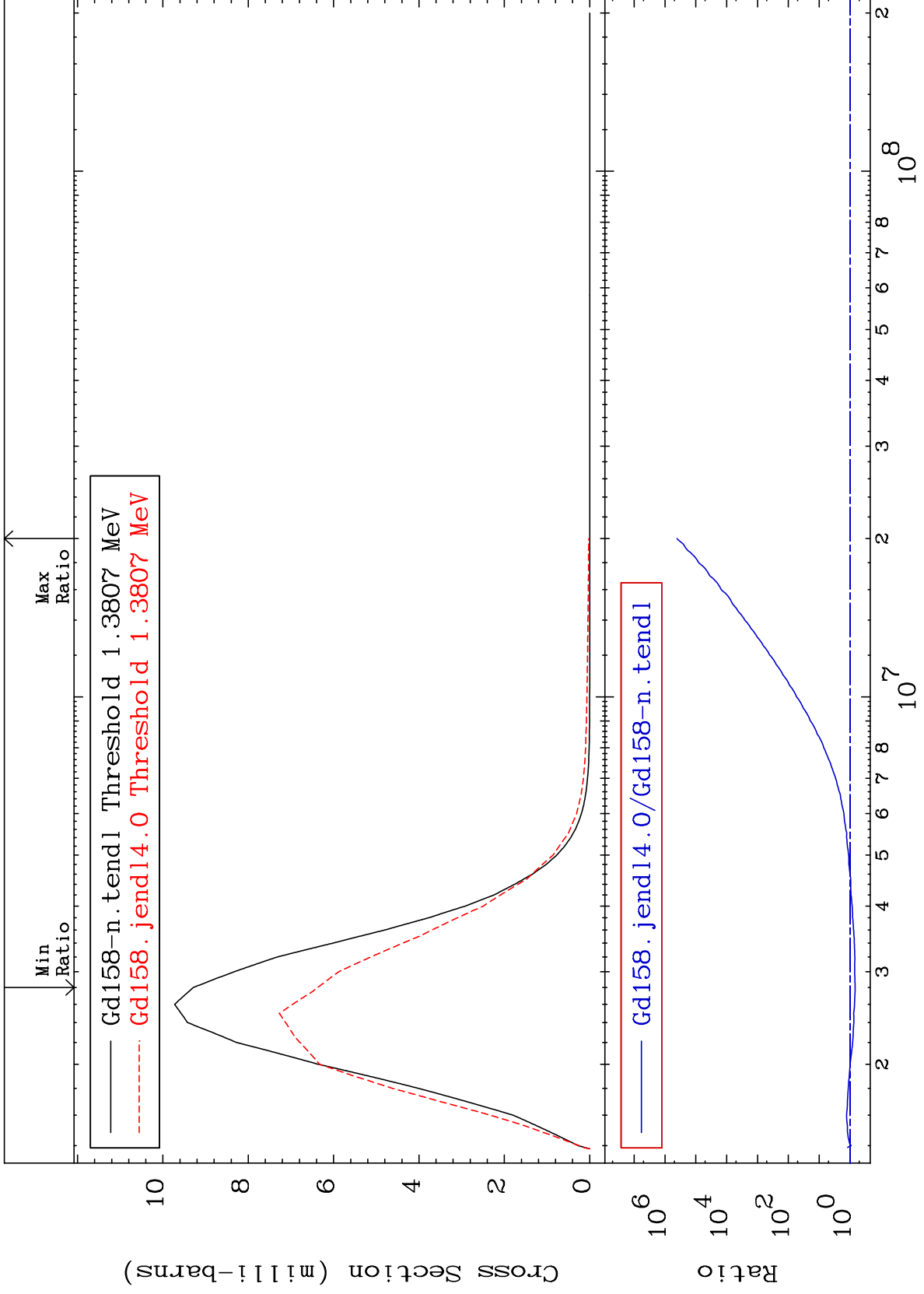
Incident Energy (eV)

64-Gd-158

MAT 6443

1.372 MeV (n,n') Level
Cross Section

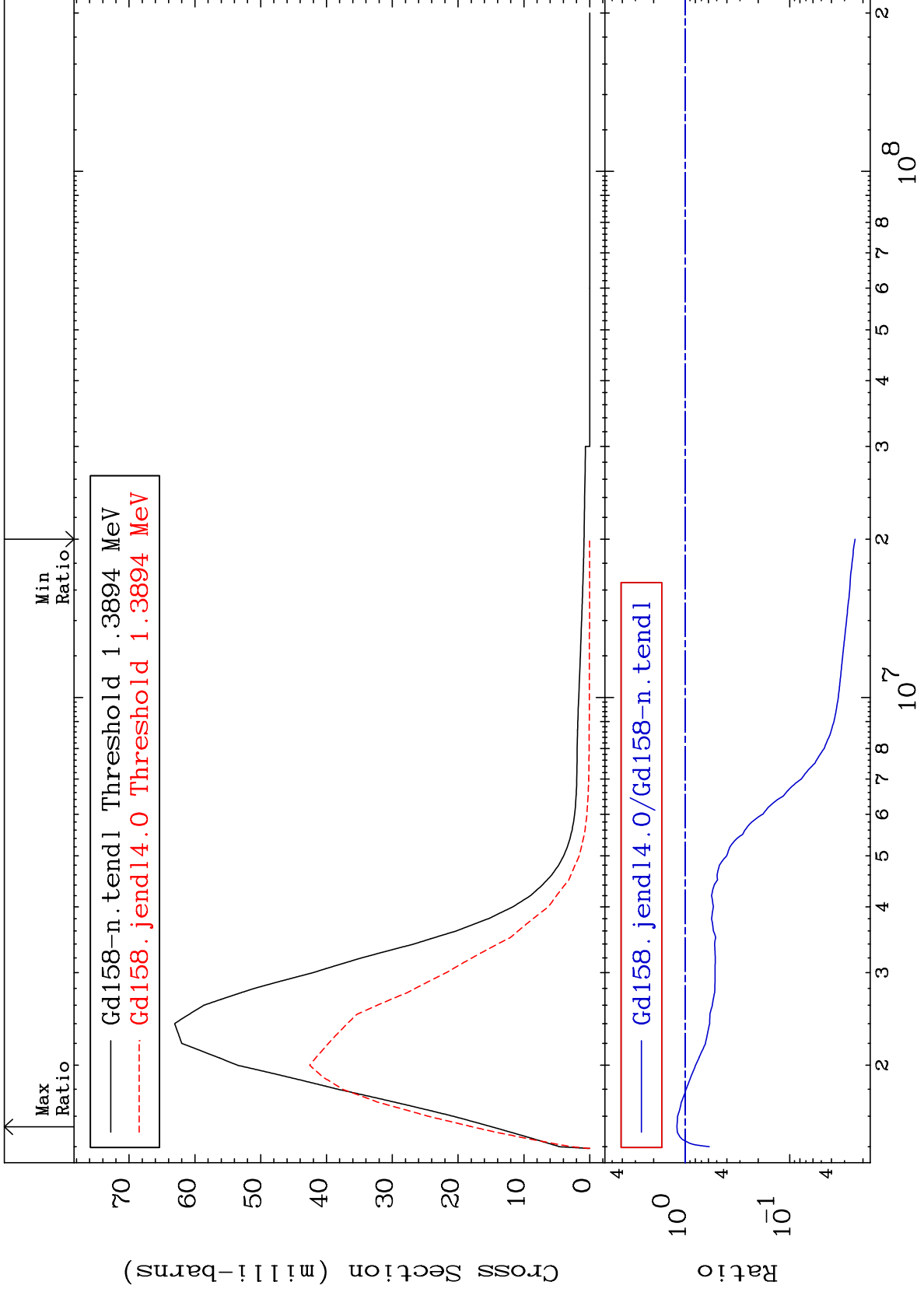
64-Gd-158
-31.37 To 9999. %



MAT 6443

1.381 MeV (n,n') Level
Cross Section

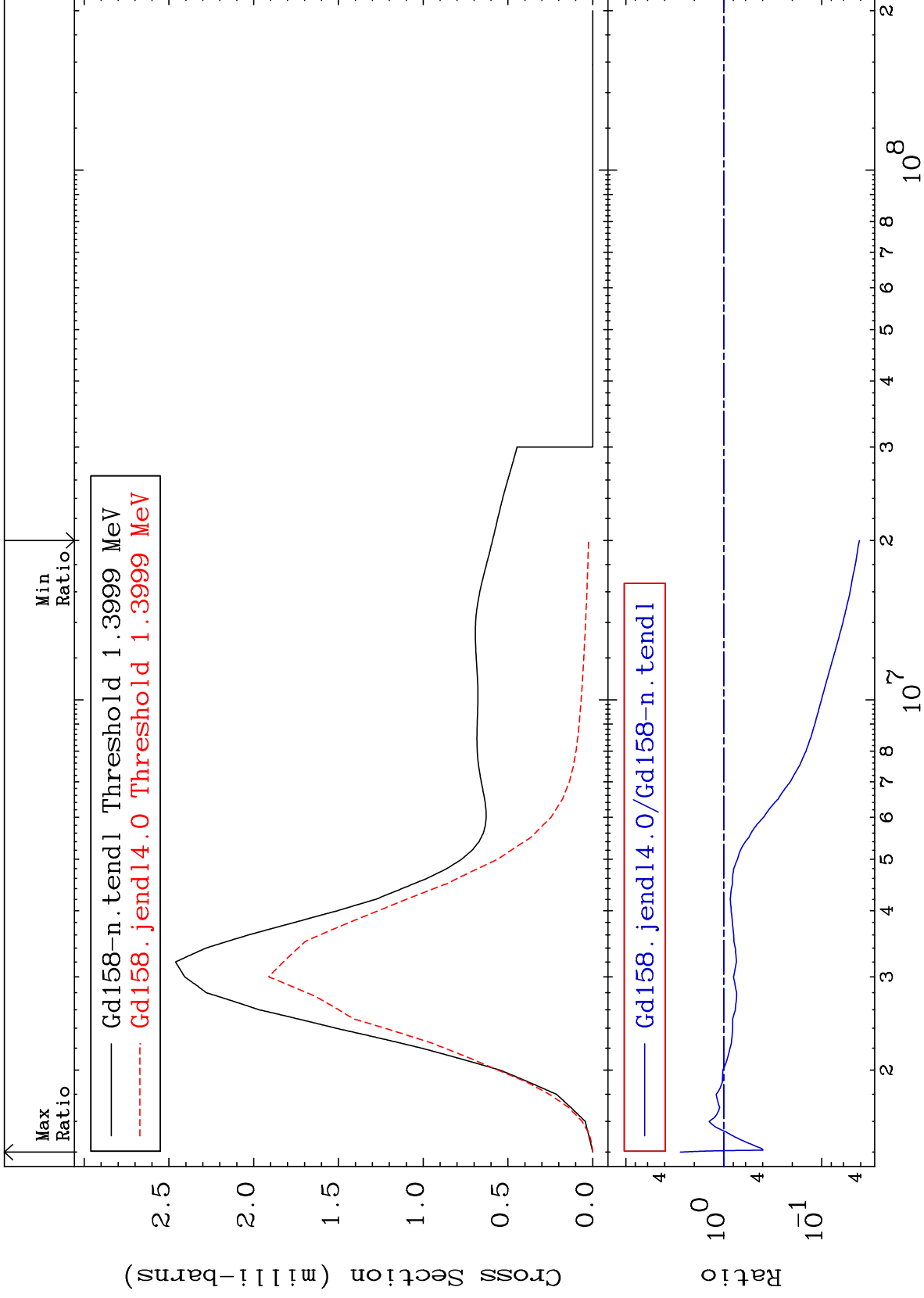
64-Gd-158
-97.63 To 19.99 %



MAT 6443

1.391 MeV (n,n') Level
Cross Section

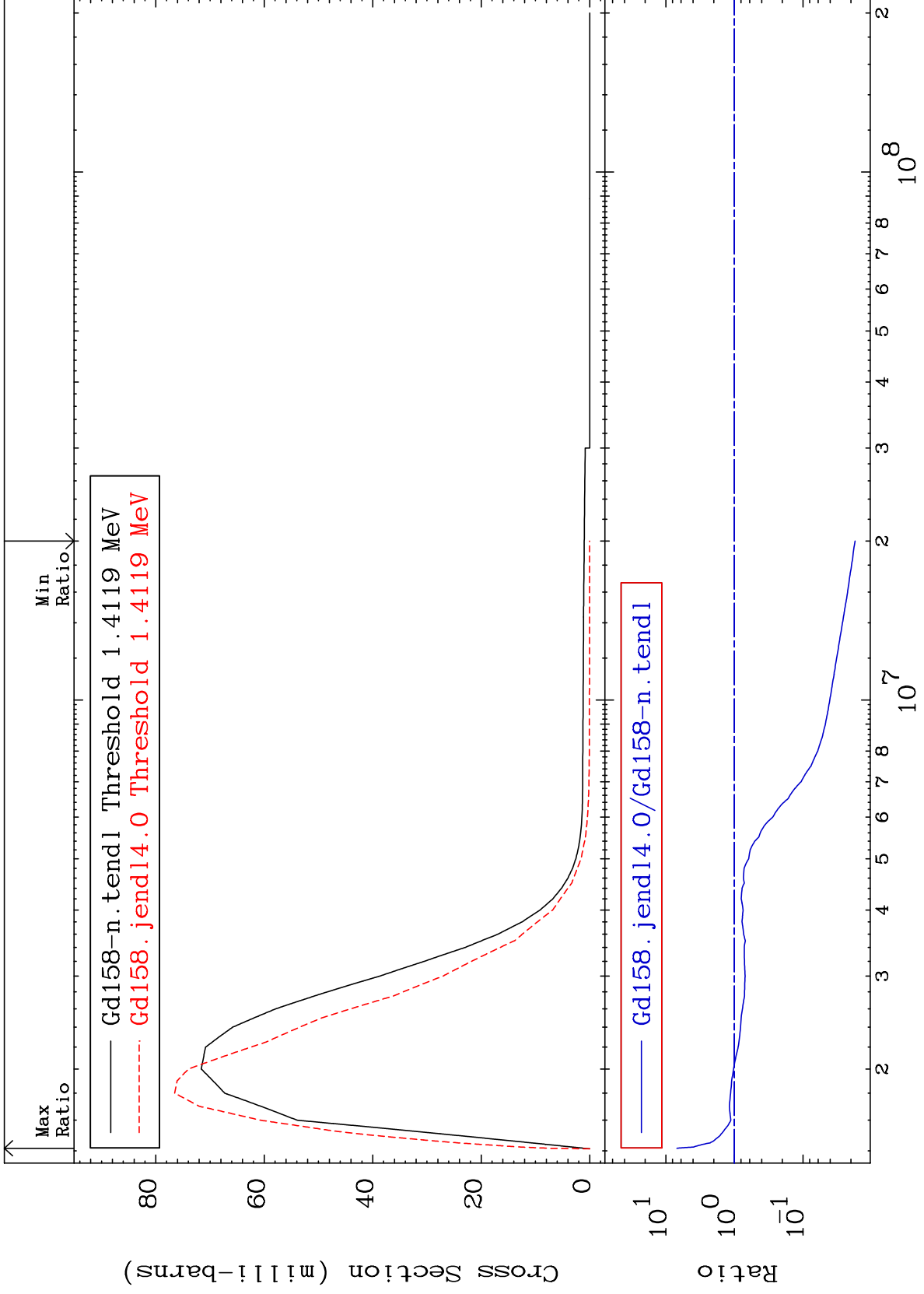
64-Gd-158
-95.88 To 177.3 %



MAT 6443

1.403 MeV (n,n') Level
Cross Section

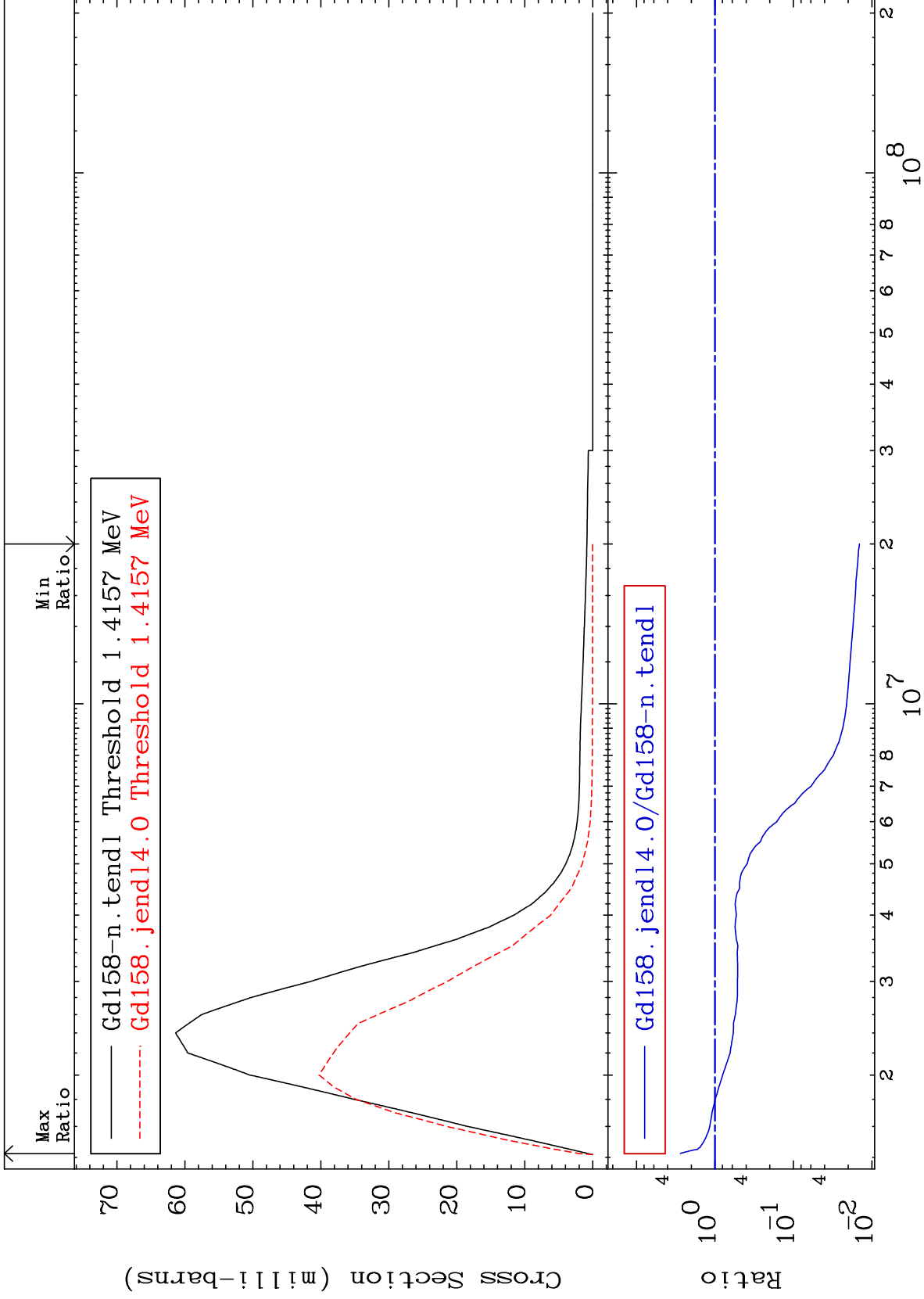
64-Gd-158
-98.26 To 589.1 %



MAT 6443

1.407 MeV (n,n') Level
Cross Section

64-Gd-158
-98.56 To 175.7 %



30

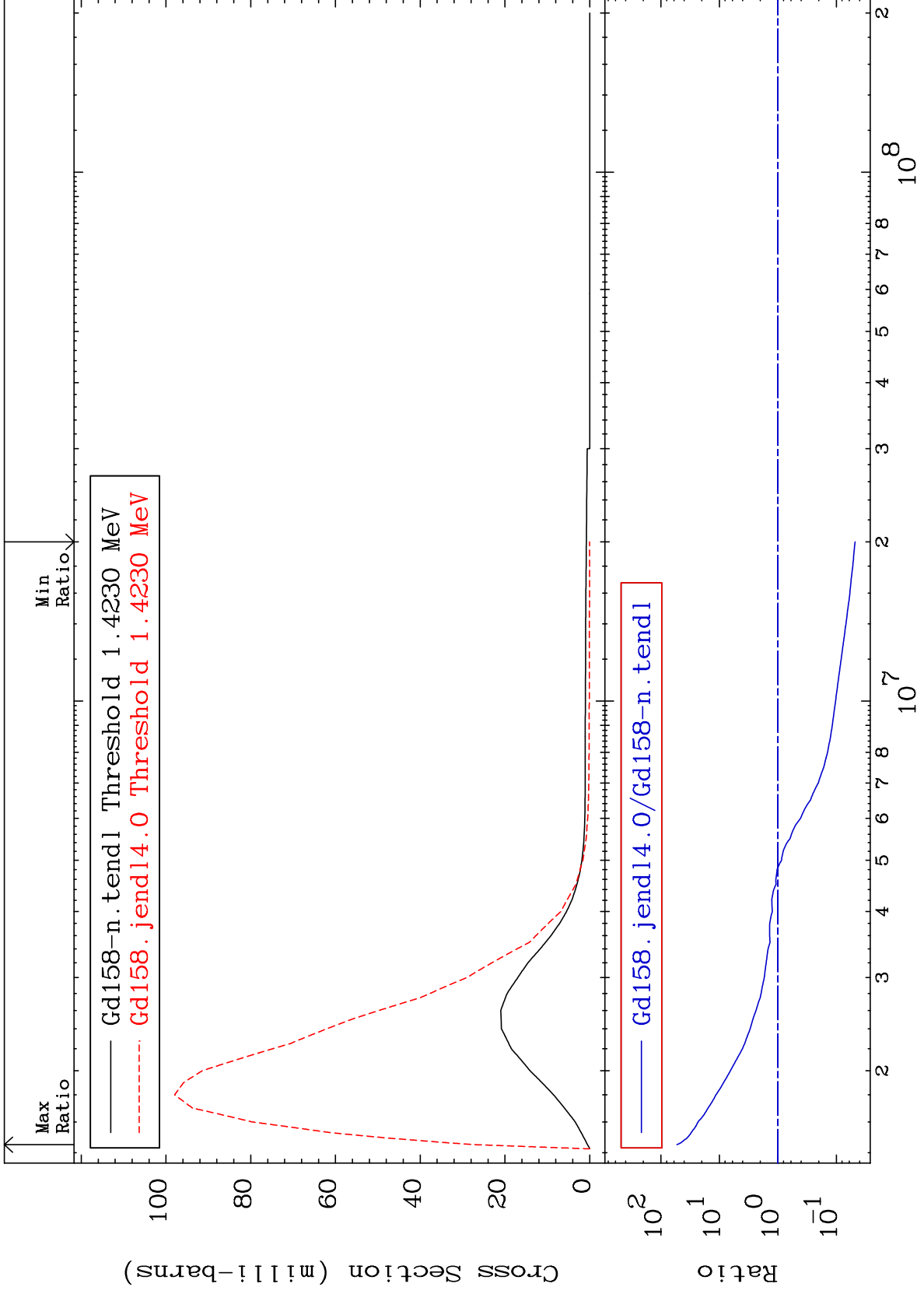
Incident Energy (eV)

64-Gd-158

MAT 6443

1.414 MeV (n,n') Level
Cross Section

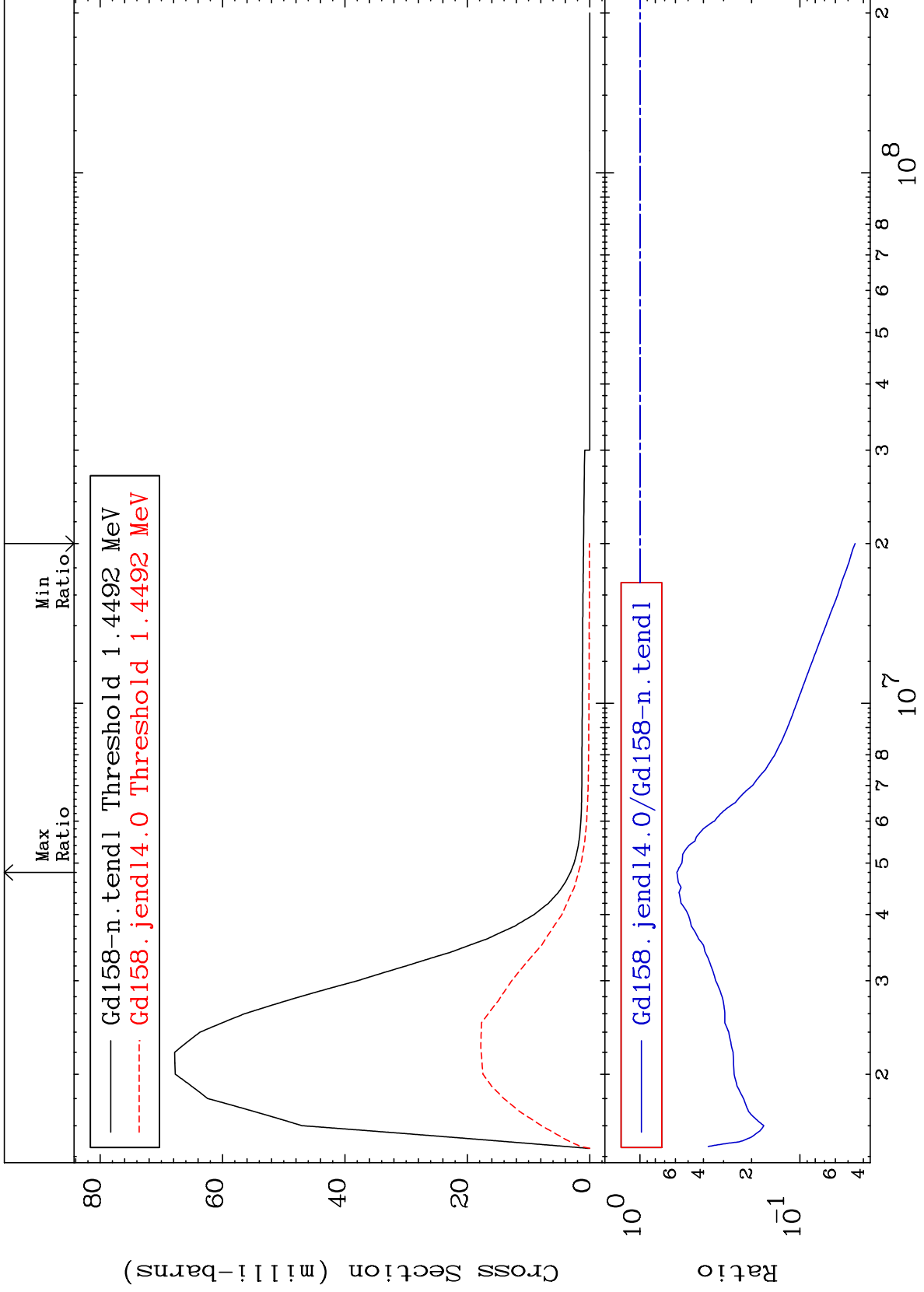
64-Gd-158
-95.21 To 5230. %



MAT 6443

1.440 MeV (n,n') Level
Cross Section

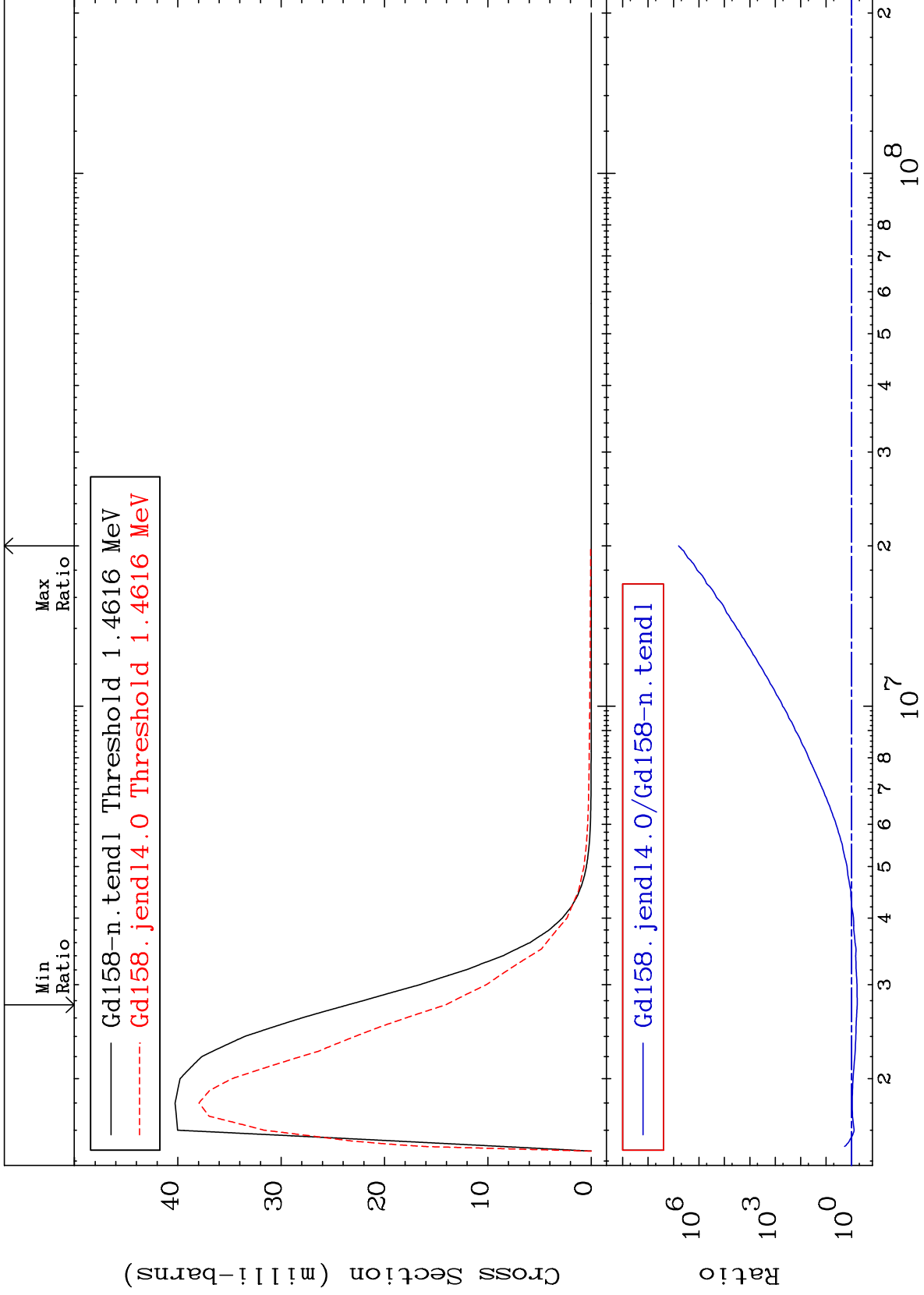
64-Gd-158
-95.49 To -41.34%



MAT 6443

1.452 MeV (n,n') Level
Cross Section

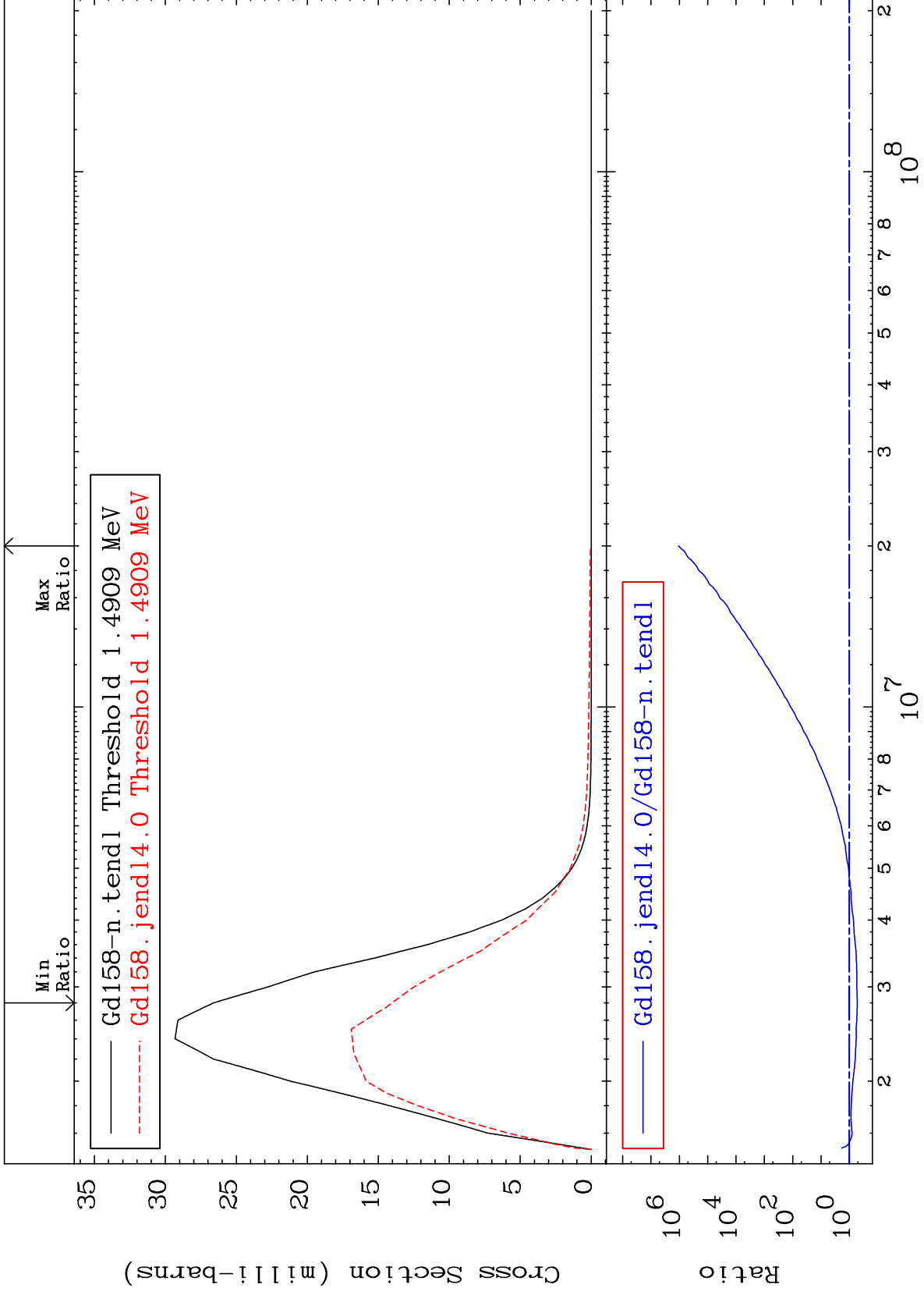
64-Gd-158
-40.20 To 9999. %



MAT 6443

1.481 MeV (n,n') Level
Cross Section

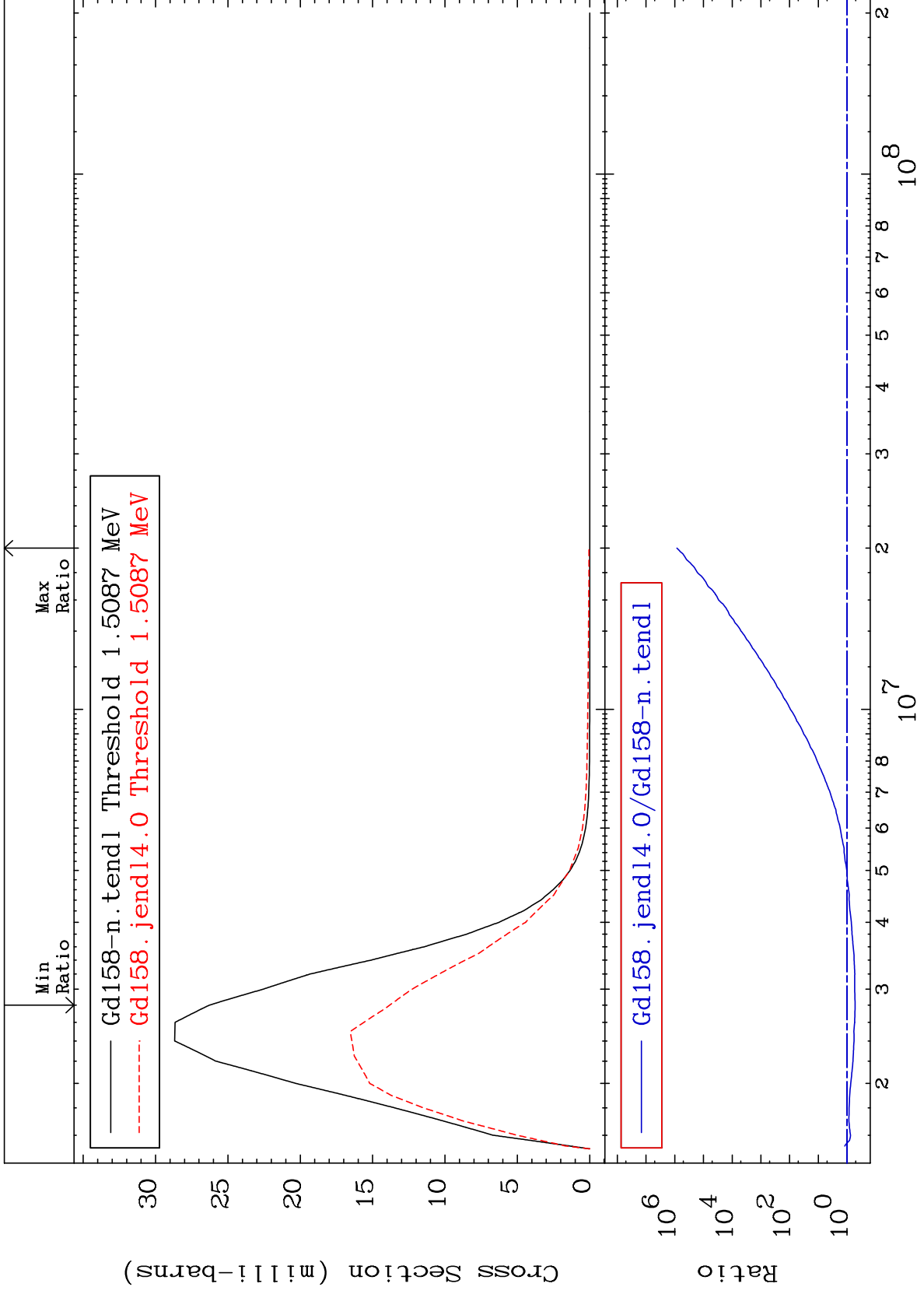
64-Gd-158
-47.25 To 9999. %



MAT 6443

1.499 MeV (n,n') Level
Cross Section

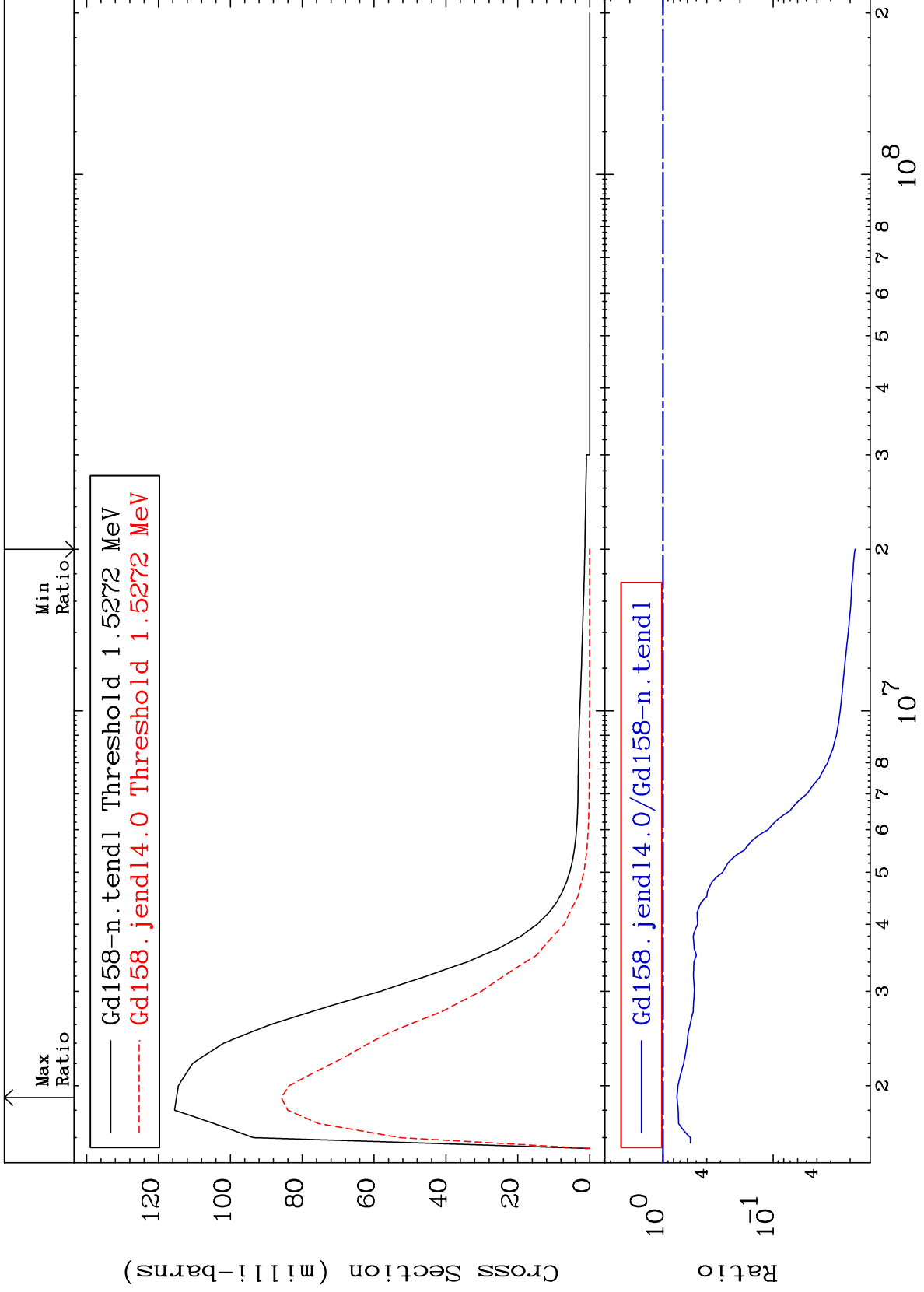
64-Gd-158
-47.43 To 9999. %



MAT 6443

1.517 MeV (n,n') Level
Cross Section

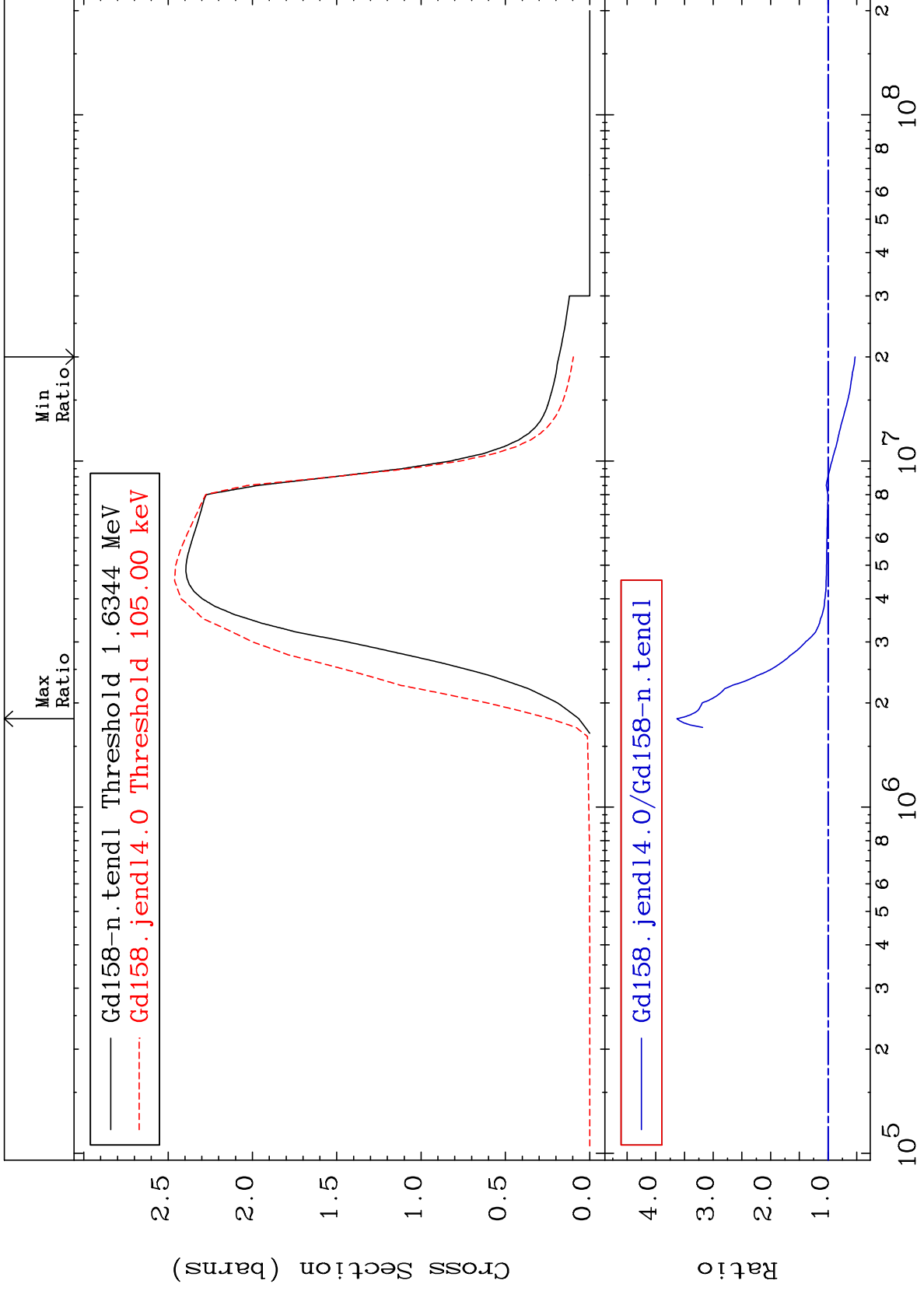
64-Gd-158
-98.20 To -25.33%



MAT 6443

(n, n') Continuum
Cross Section

64-Gd-158
-47.14 To 263.2 %



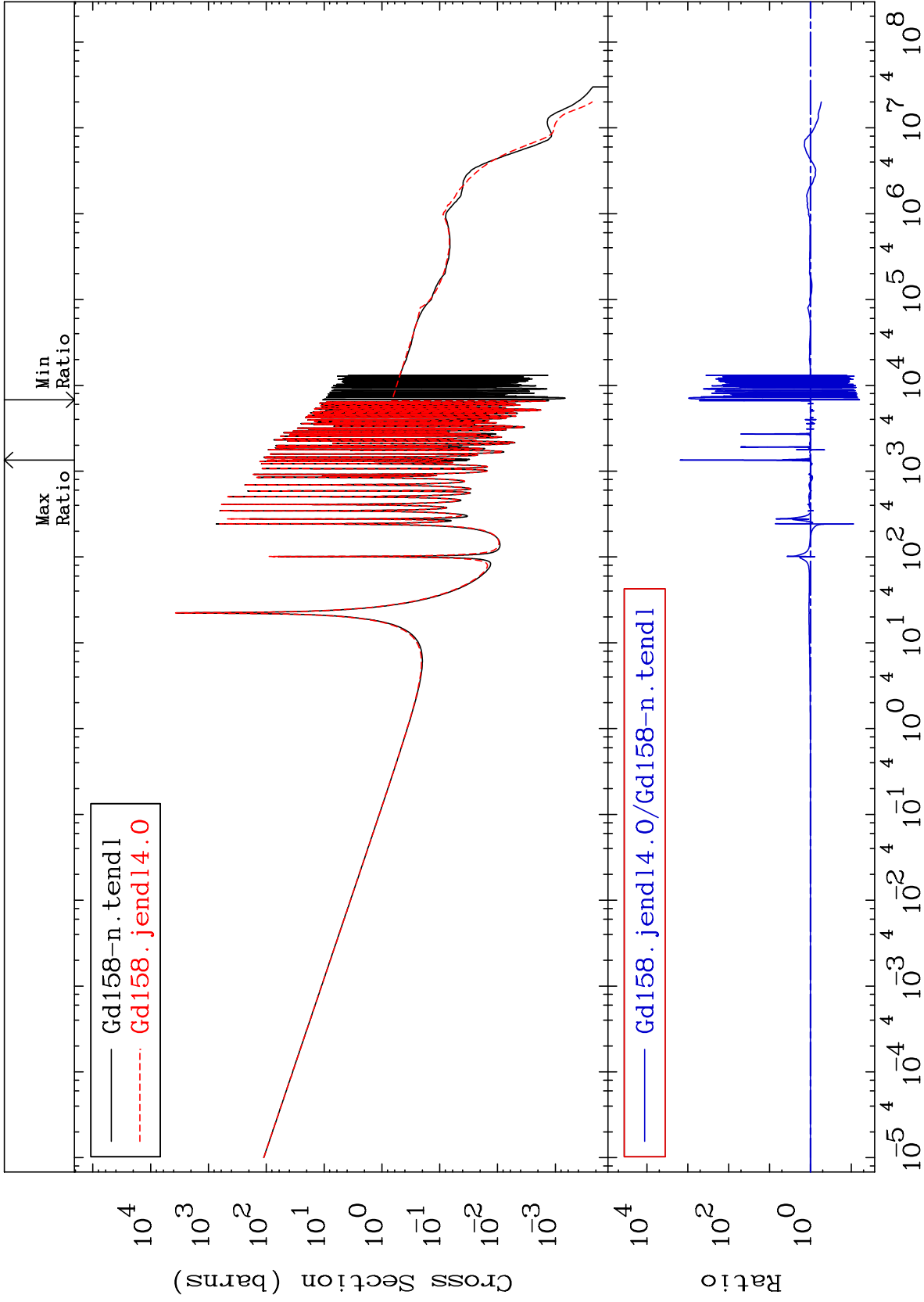
37

64-Gd-158

MAT 6443

(n, γ)
Cross Section

64-Gd-158
-93.65 To 9999. %



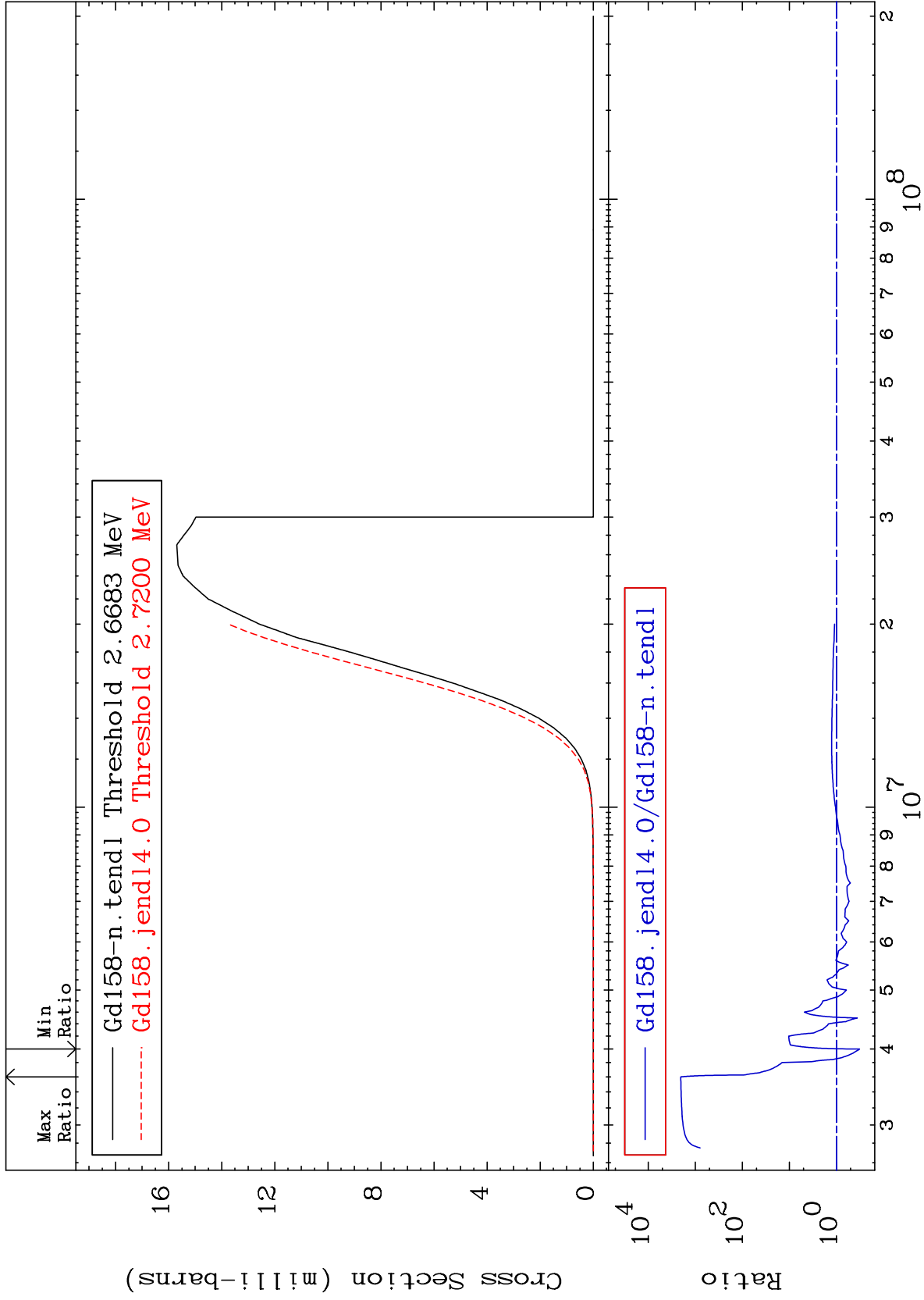
MAT 6443

(n,p)

64-Gd-158

Cross Section

-67.80 To 9999. %



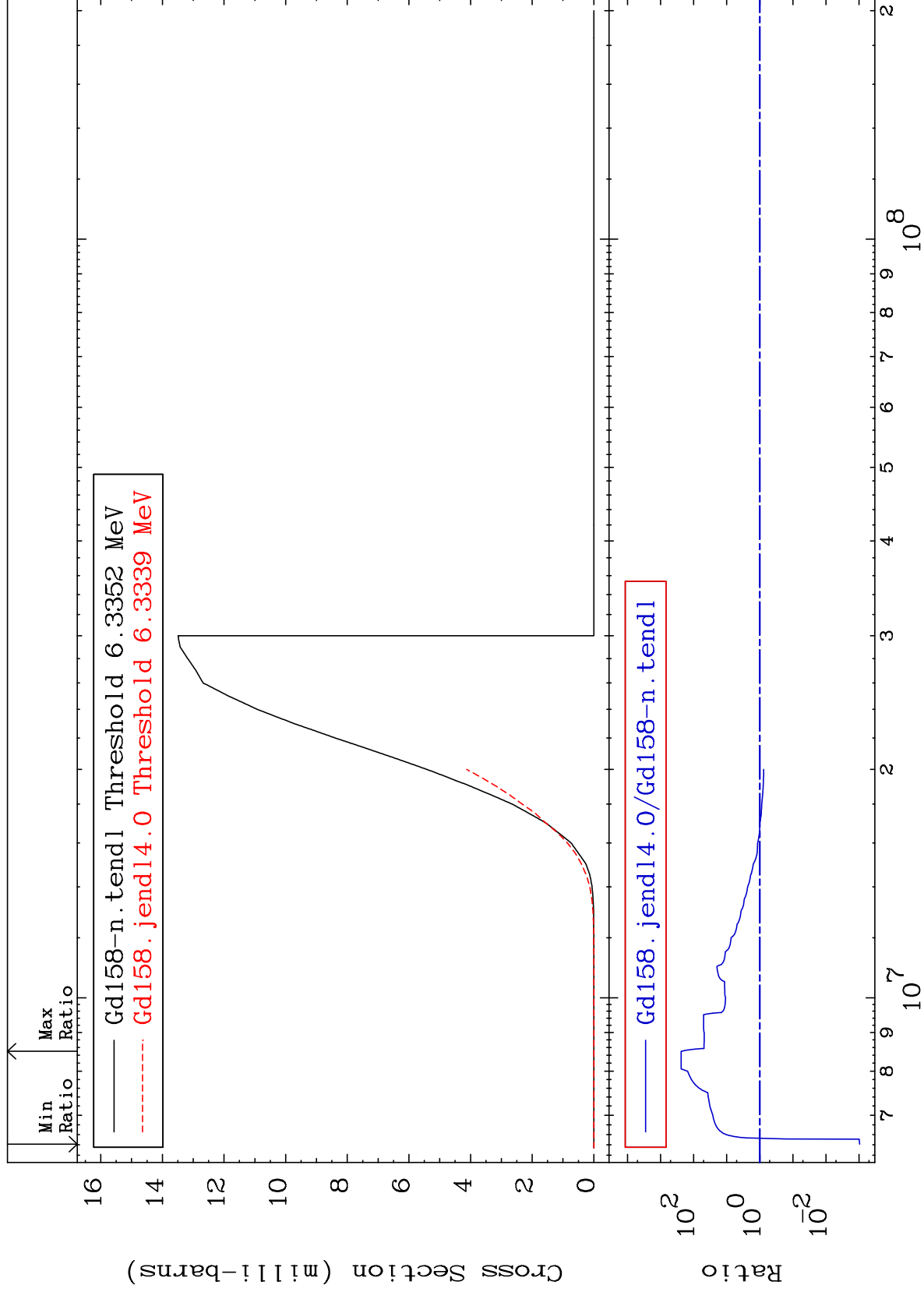
MAT 6443

(n, d)

64-Gd-158

Cross Section

-99.90 To 9999. %



40

Incident Energy (eV)

64-Gd-158

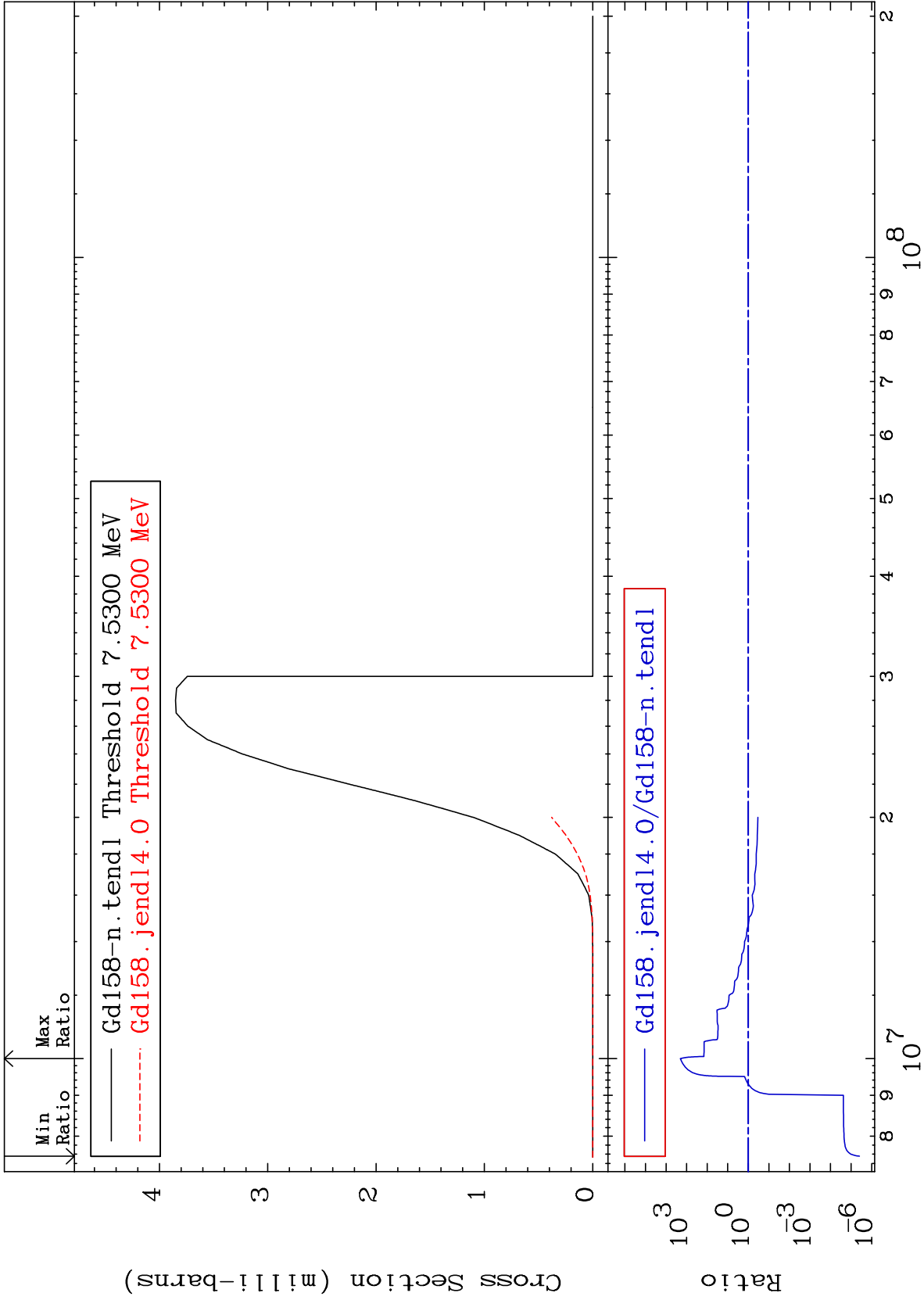
MAT 6443

(n, t)

64-Gd-158

Cross Section

-100.0 To 9999. %



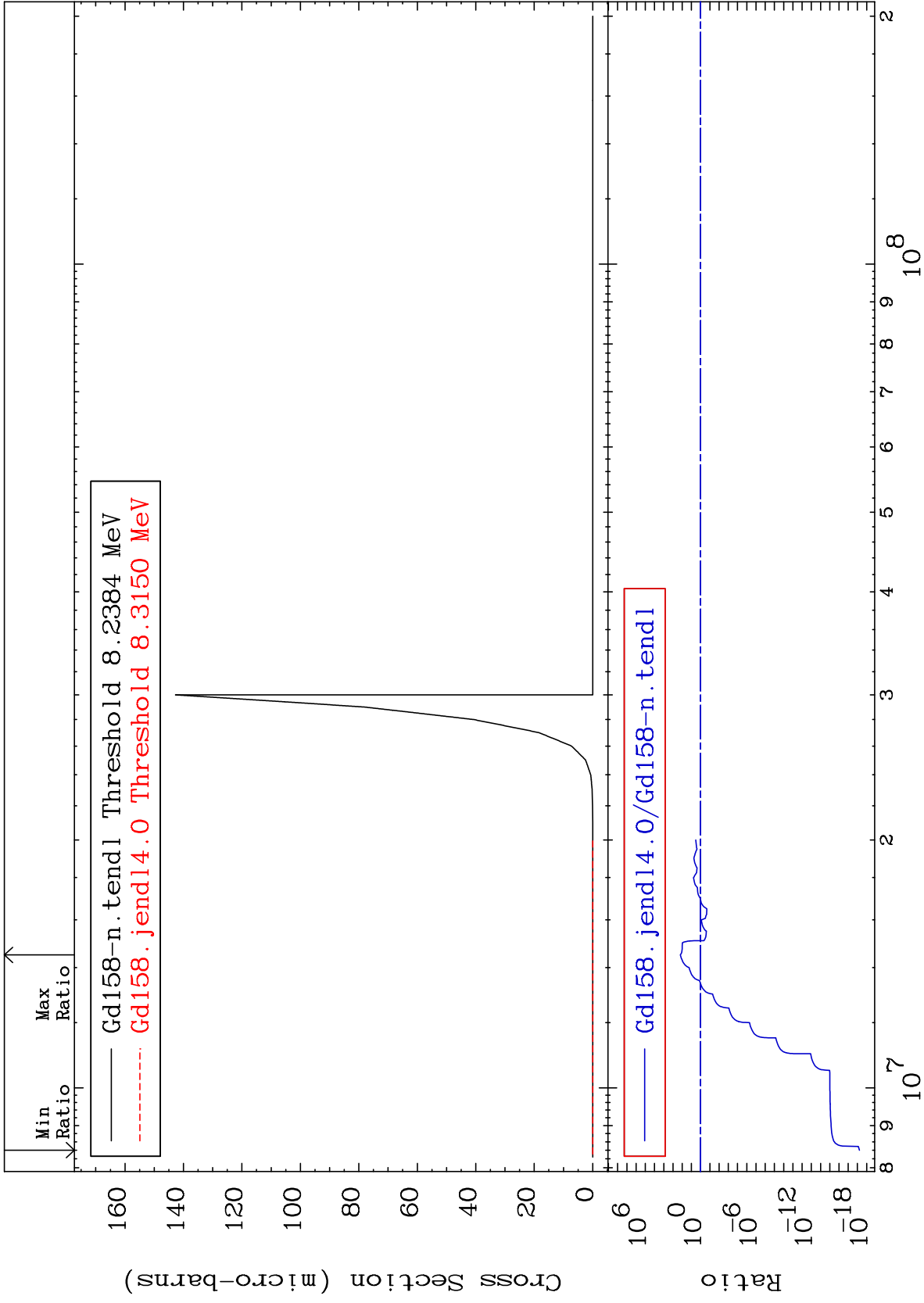
MAT 6443

(n, He-3)

64-Gd-158

Cross Section

-100.0 To 9999. %



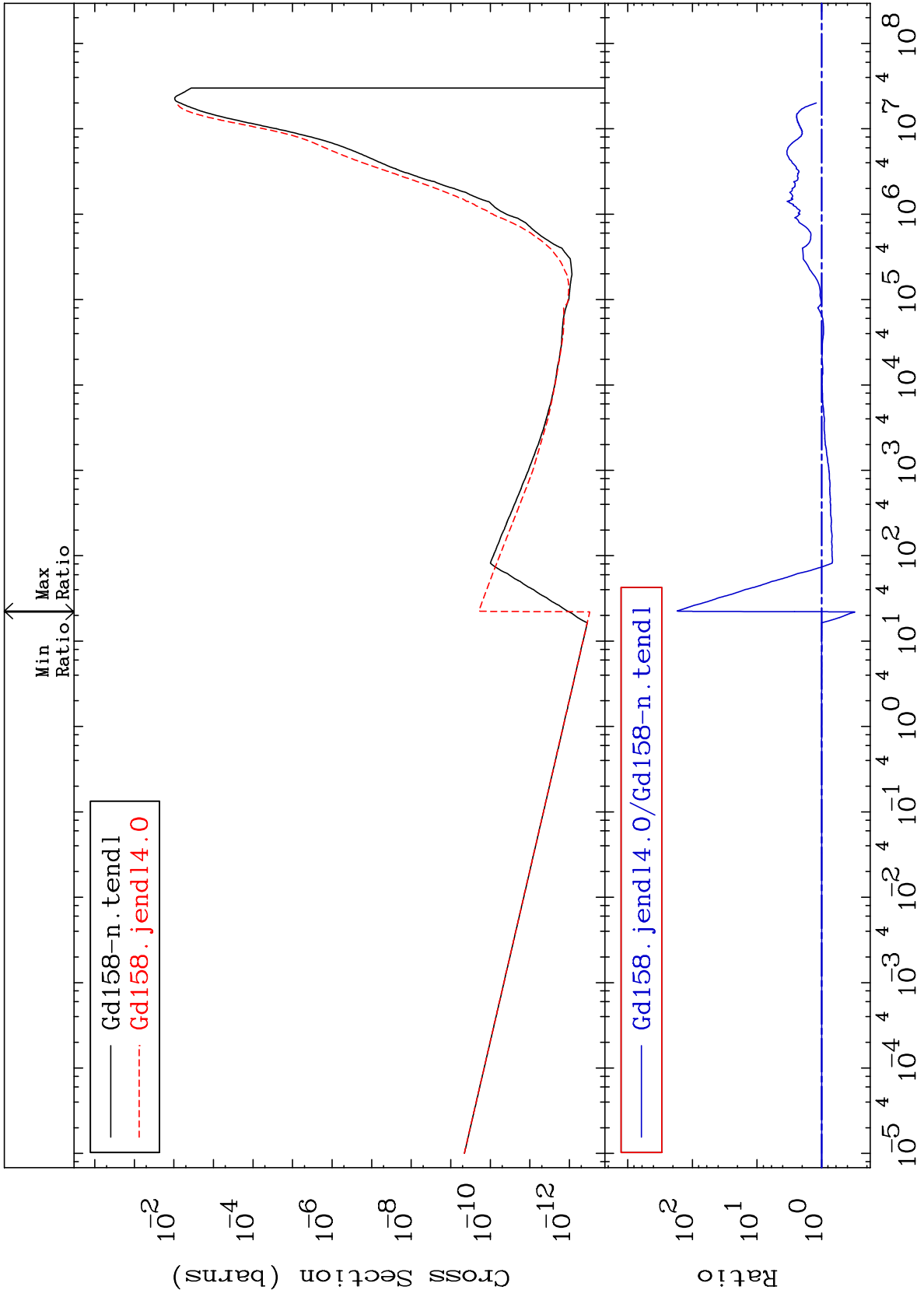
42

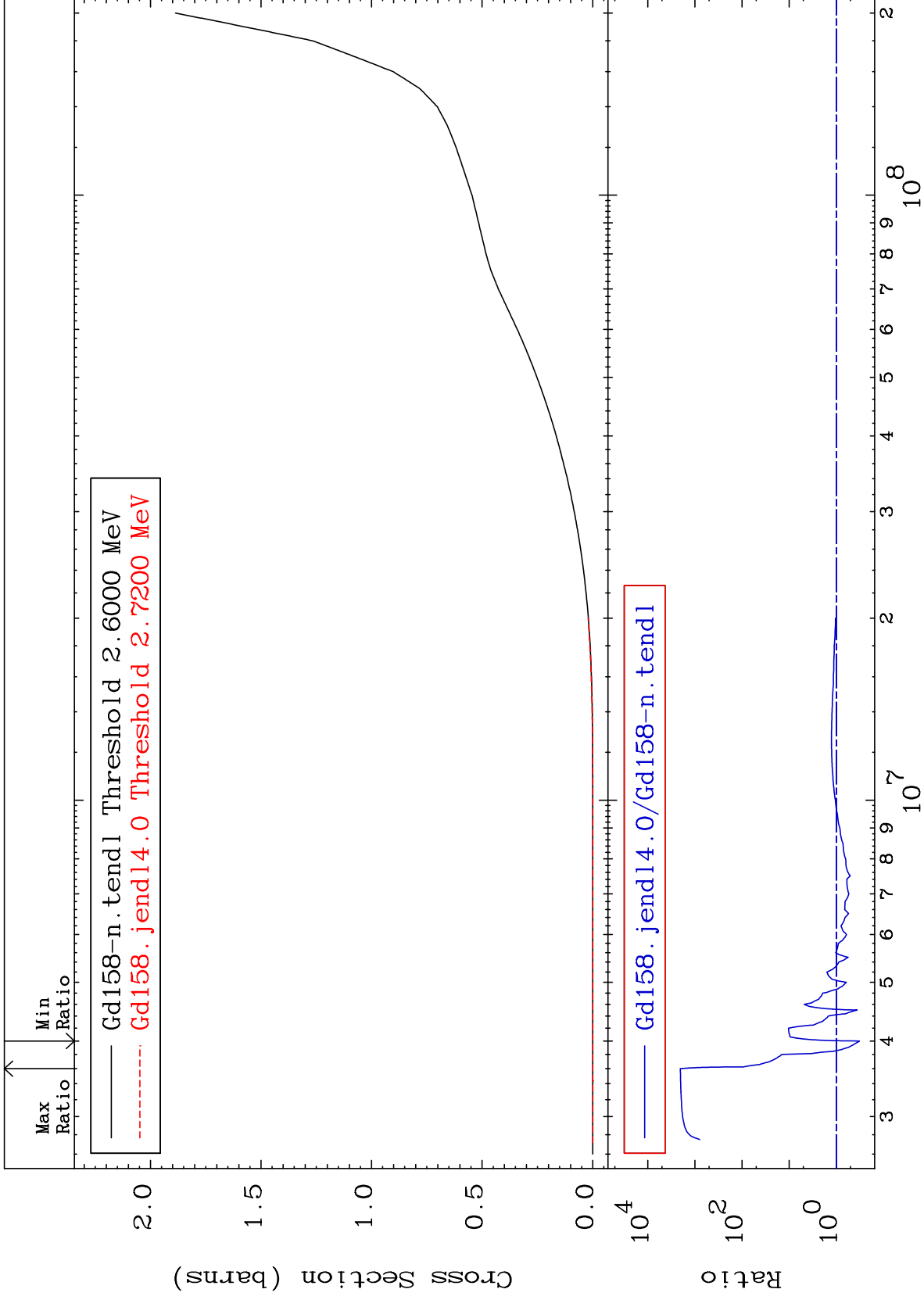
Incident Energy (eV)

64-Gd-158

MAT 6443

(n, α)
Cross Section
64-Gd-158
-69.51 To 9999. %

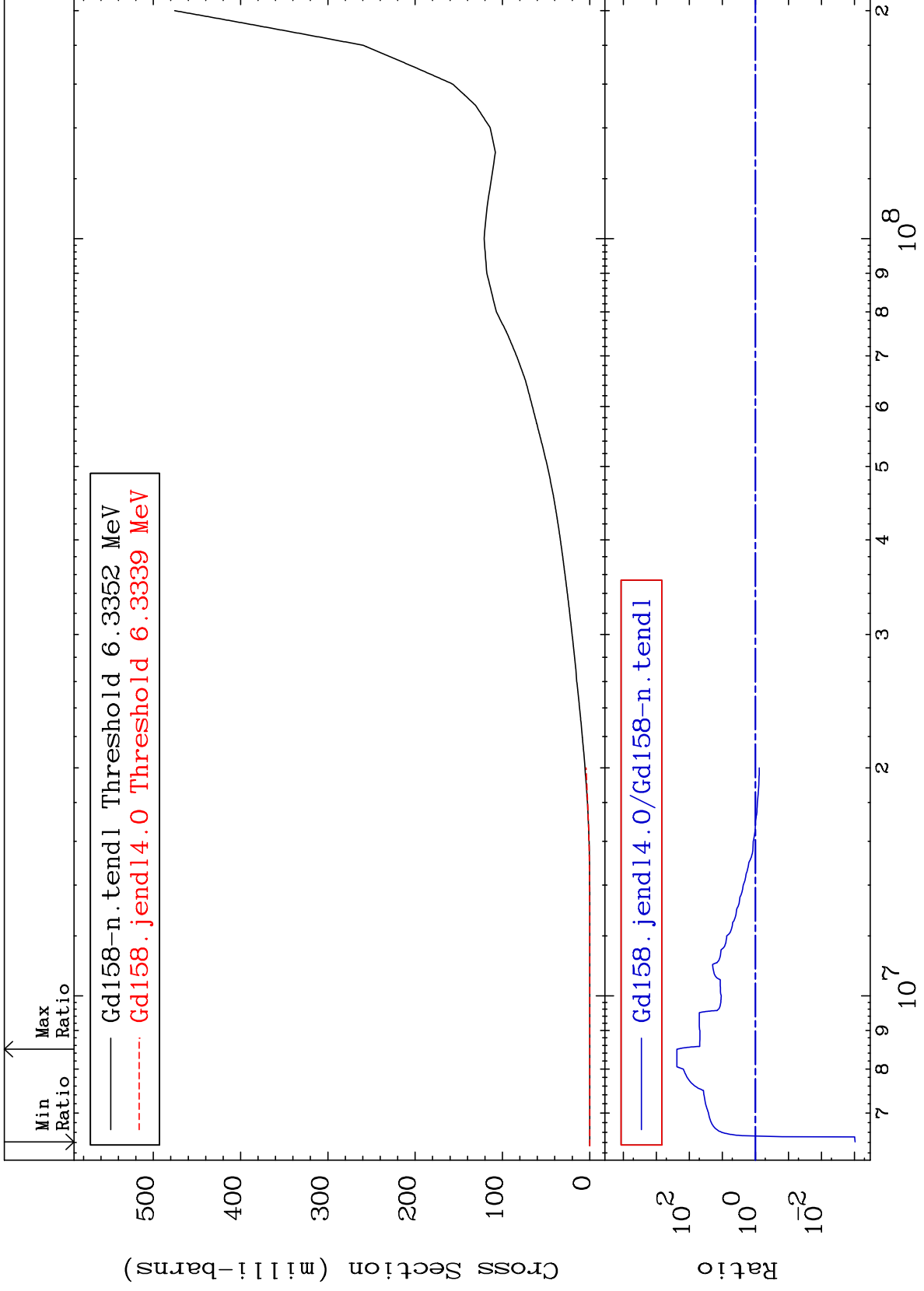




MAT 6443

Deuterium Production
Cross Section

64-Gd-158
-99.90 To 9999. %



45

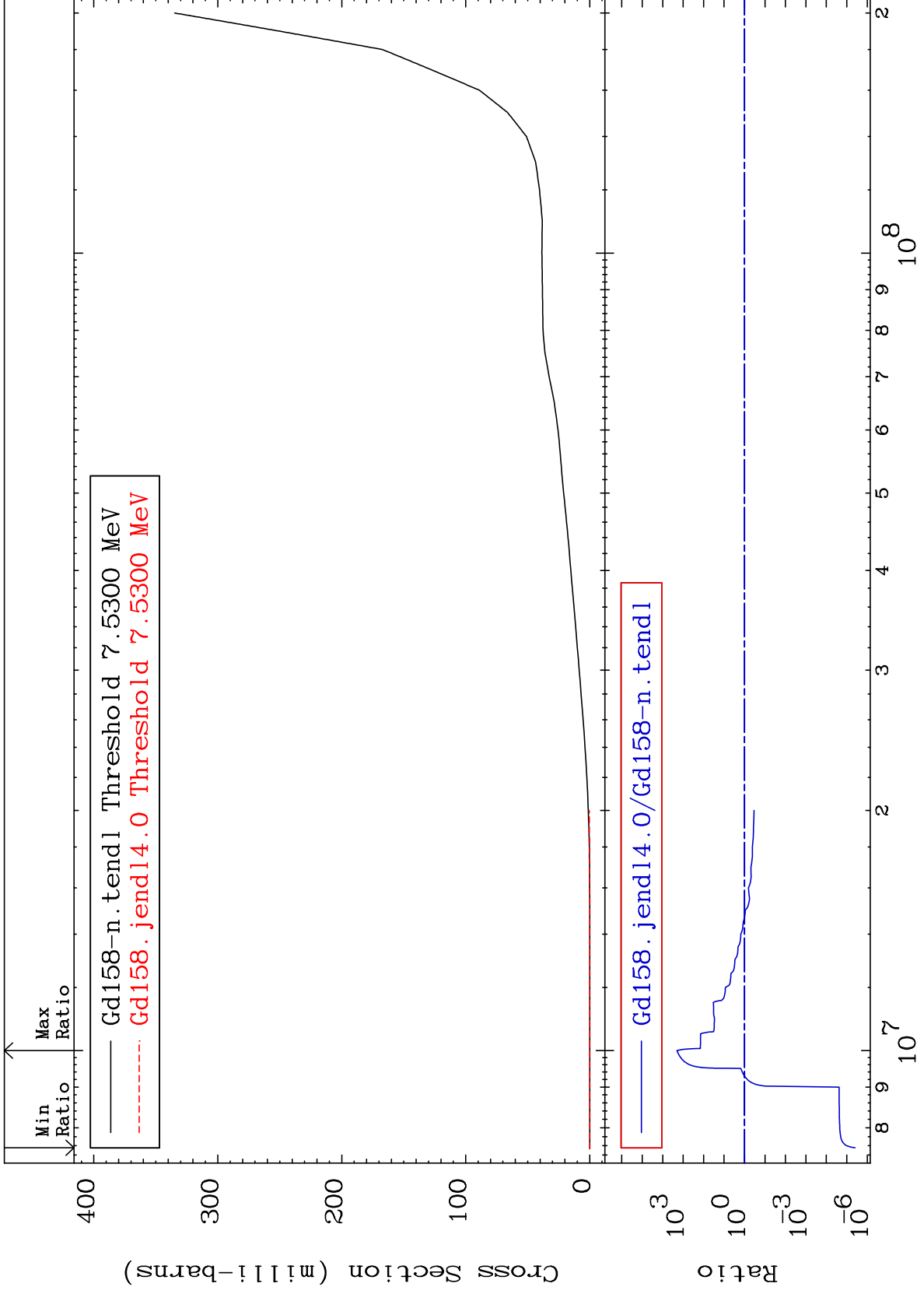
Incident Energy (eV)

64-Gd-158

MAT 6443

Tritium Production
Cross Section

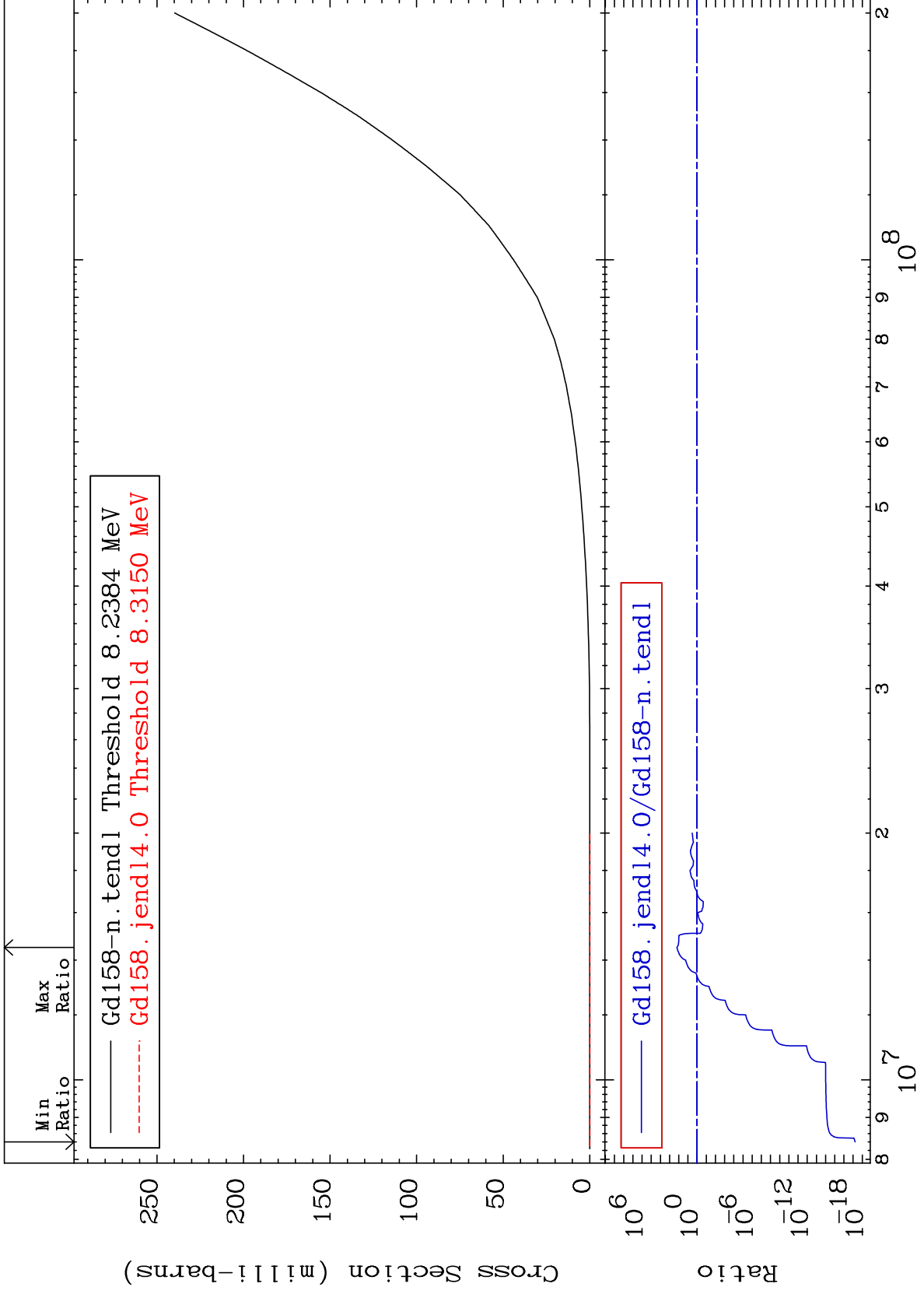
64-Gd-158
-100.0 To 9999. %



MAT 6443

He-3 Production
Cross Section

64-Gd-158
-100.0 To 9999. %



47

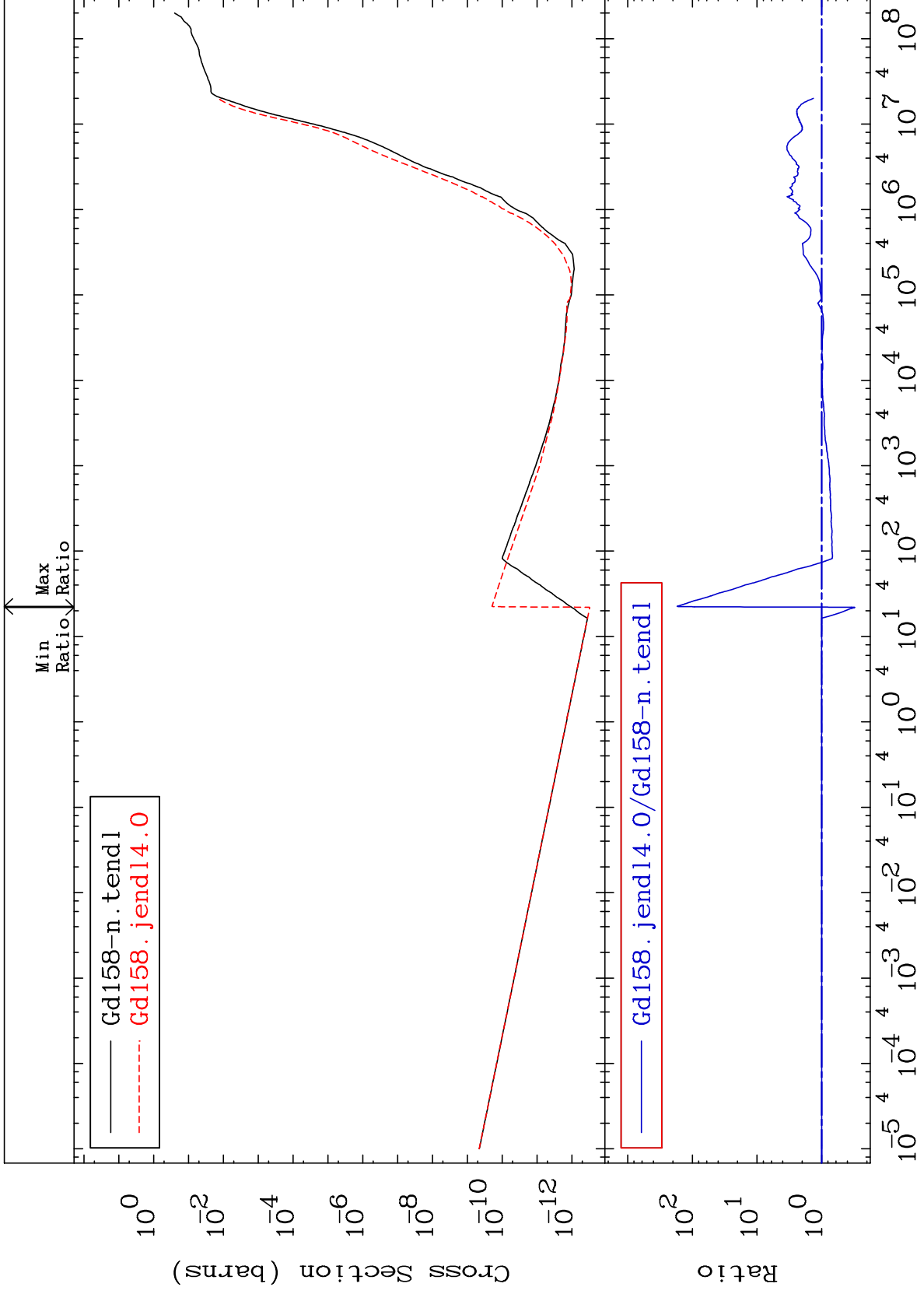
Incident Energy (eV)

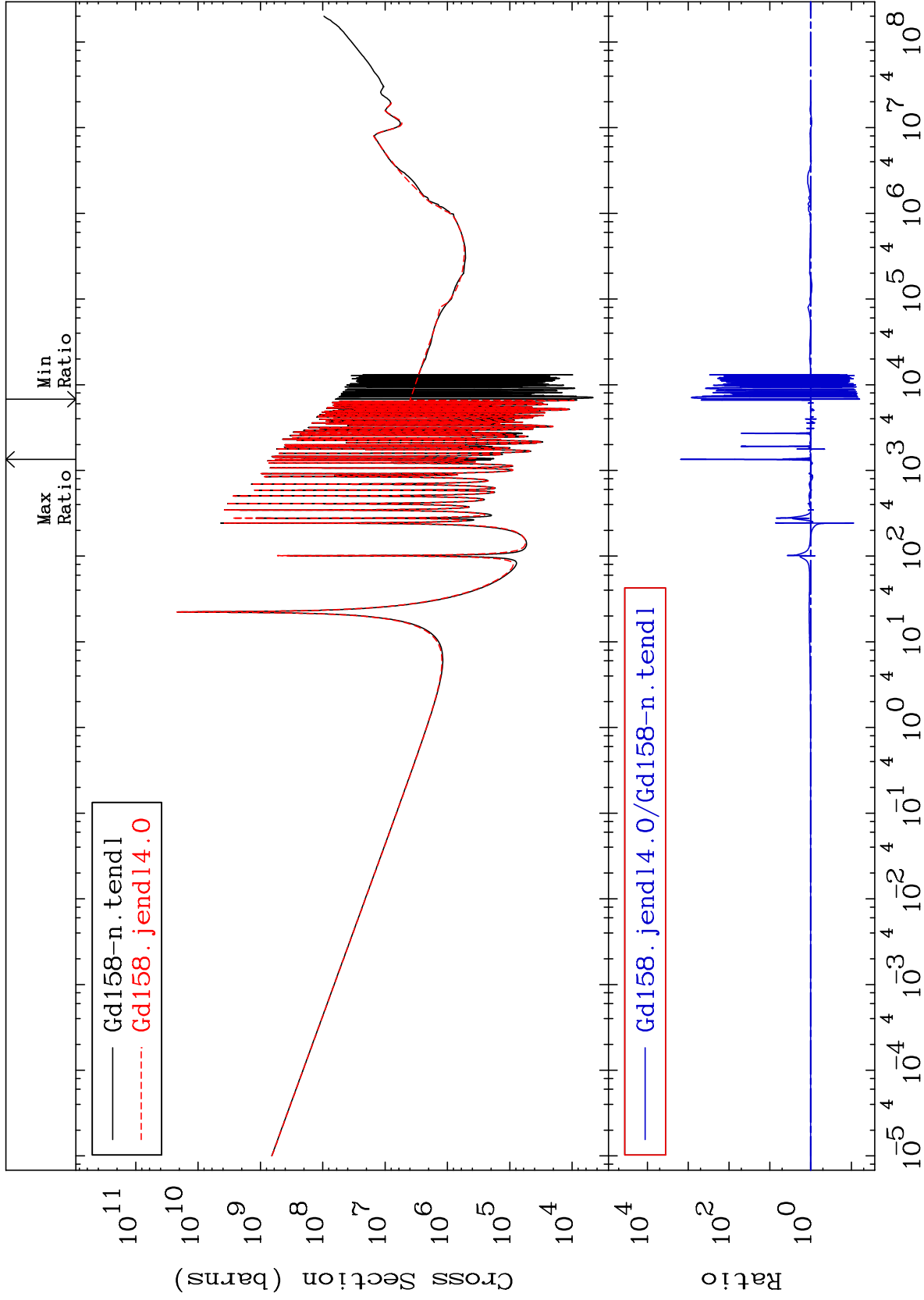
64-Gd-158

MAT 6443

He-4 Production
Cross Section

64-Gd-158
-69.51 To 9999. %

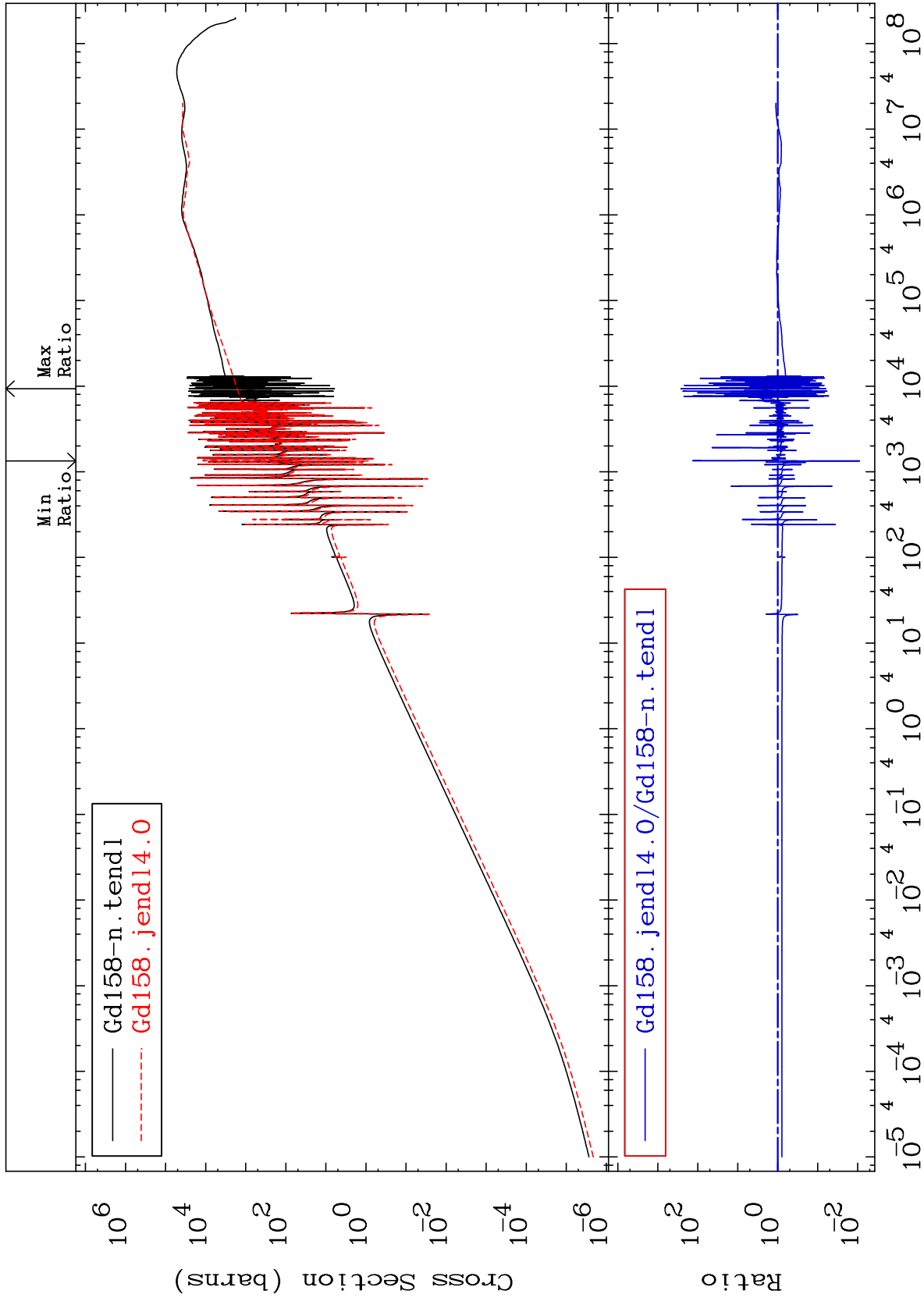


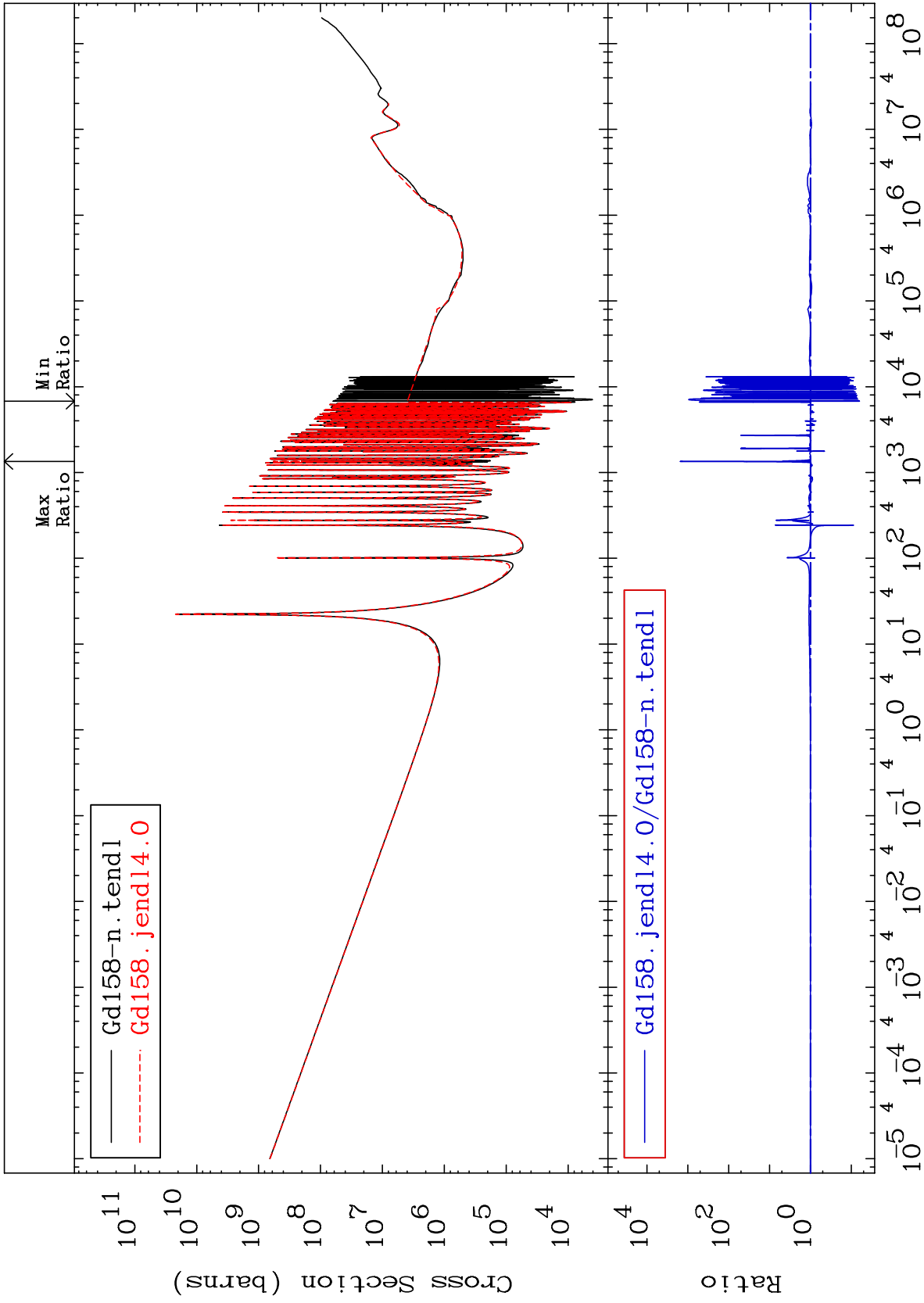


MAT 6443

Kerma elastic
Cross Section

64-Gd-158
-99.10 To 9999. %

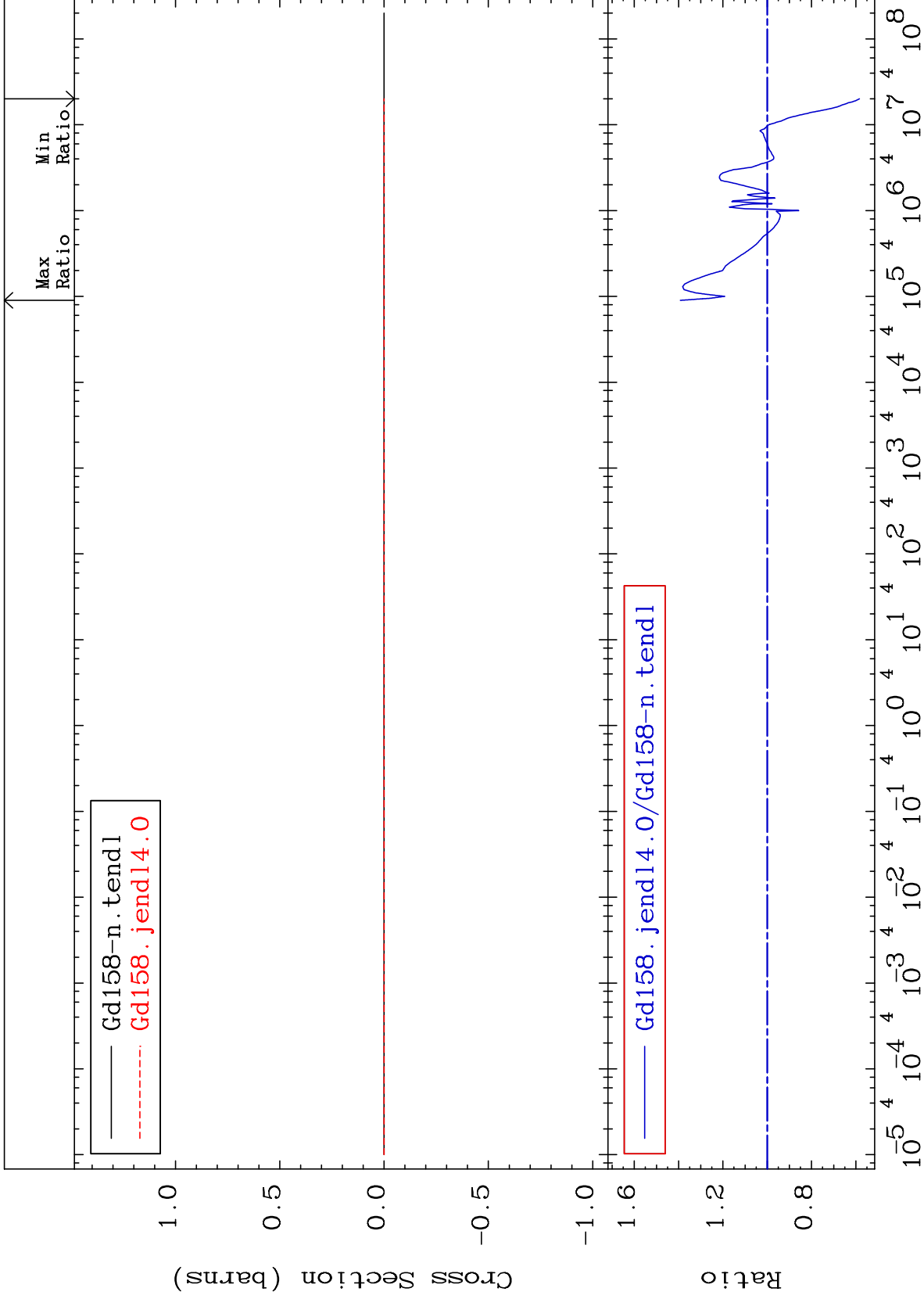


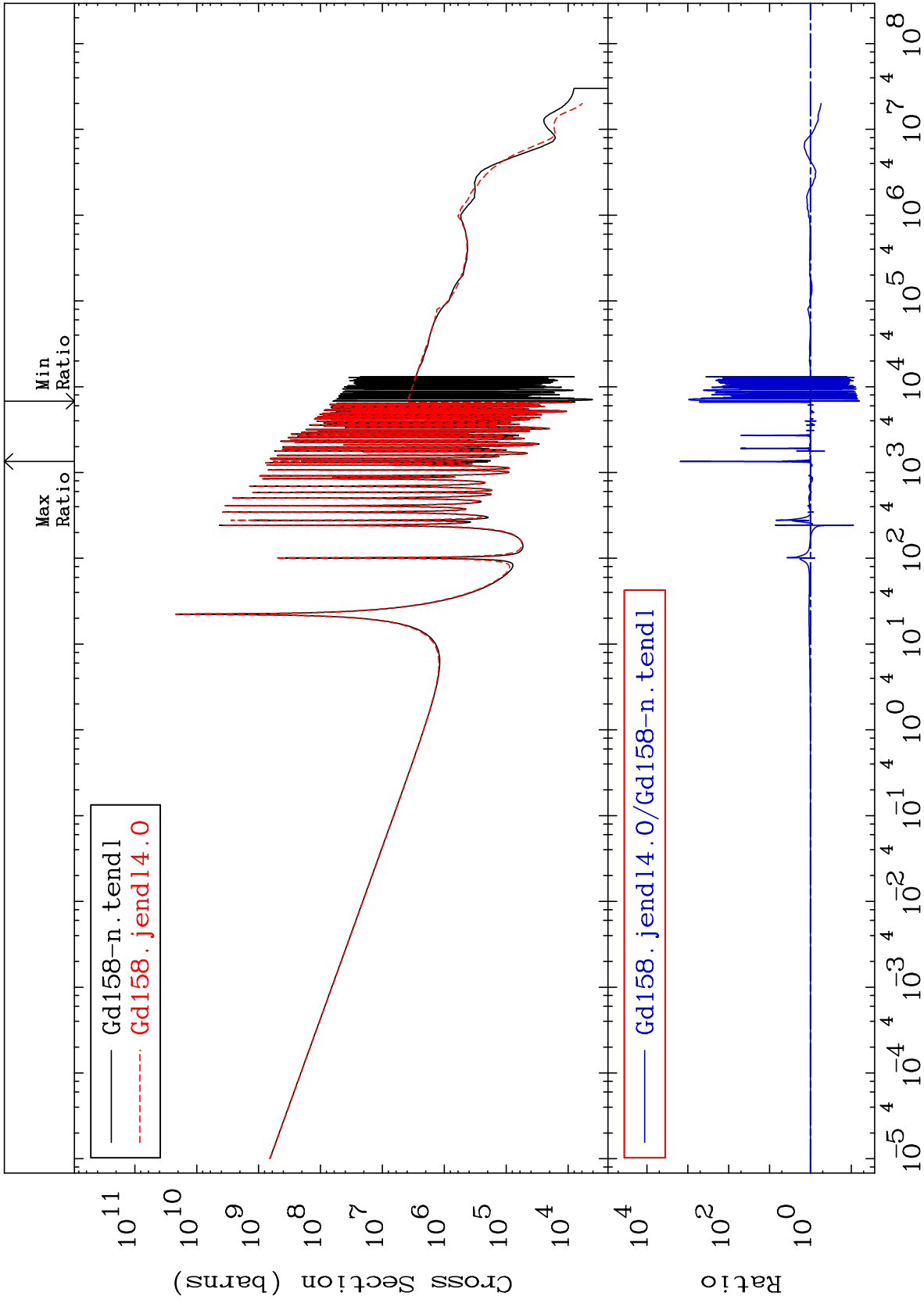


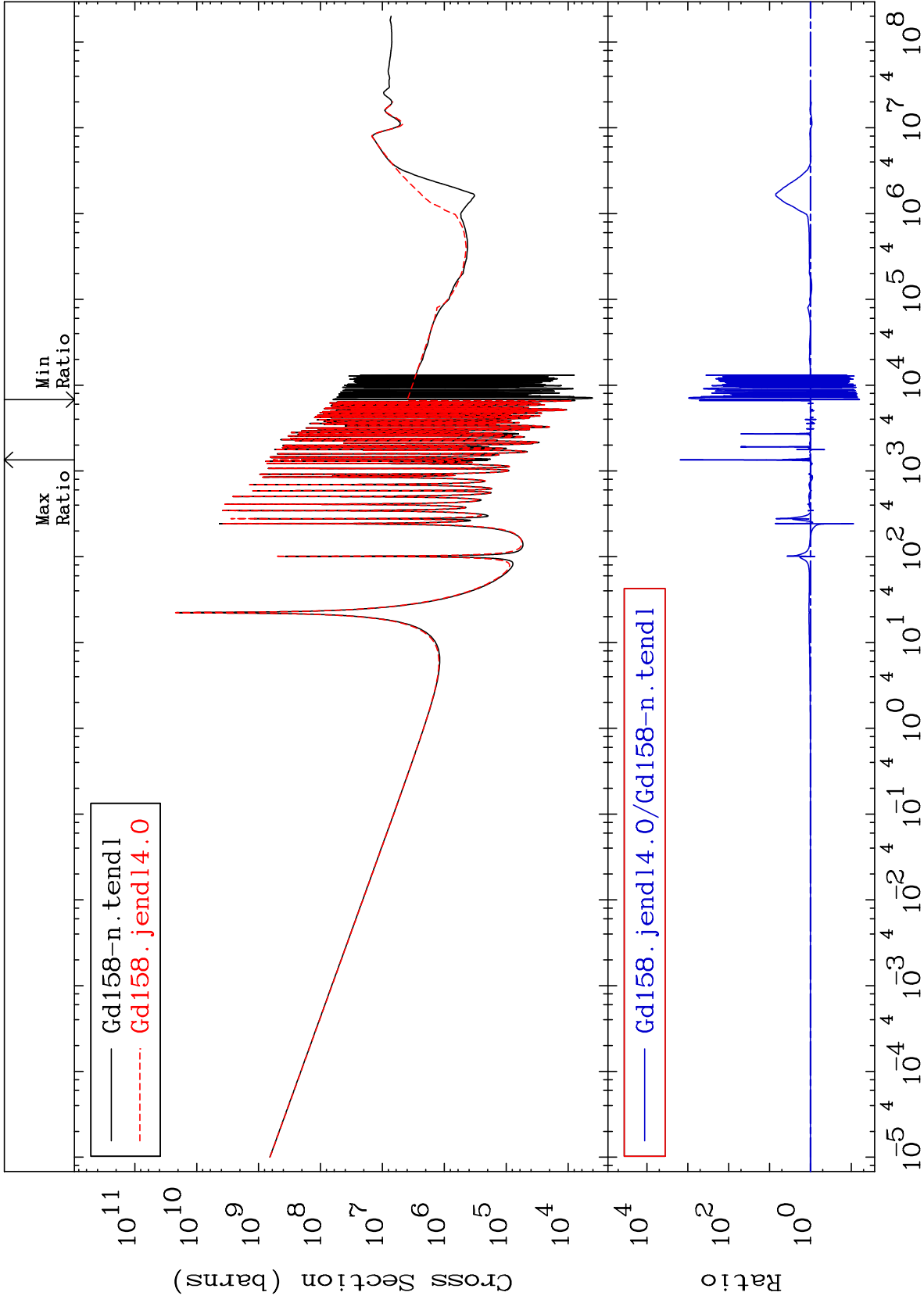
MAT 6443

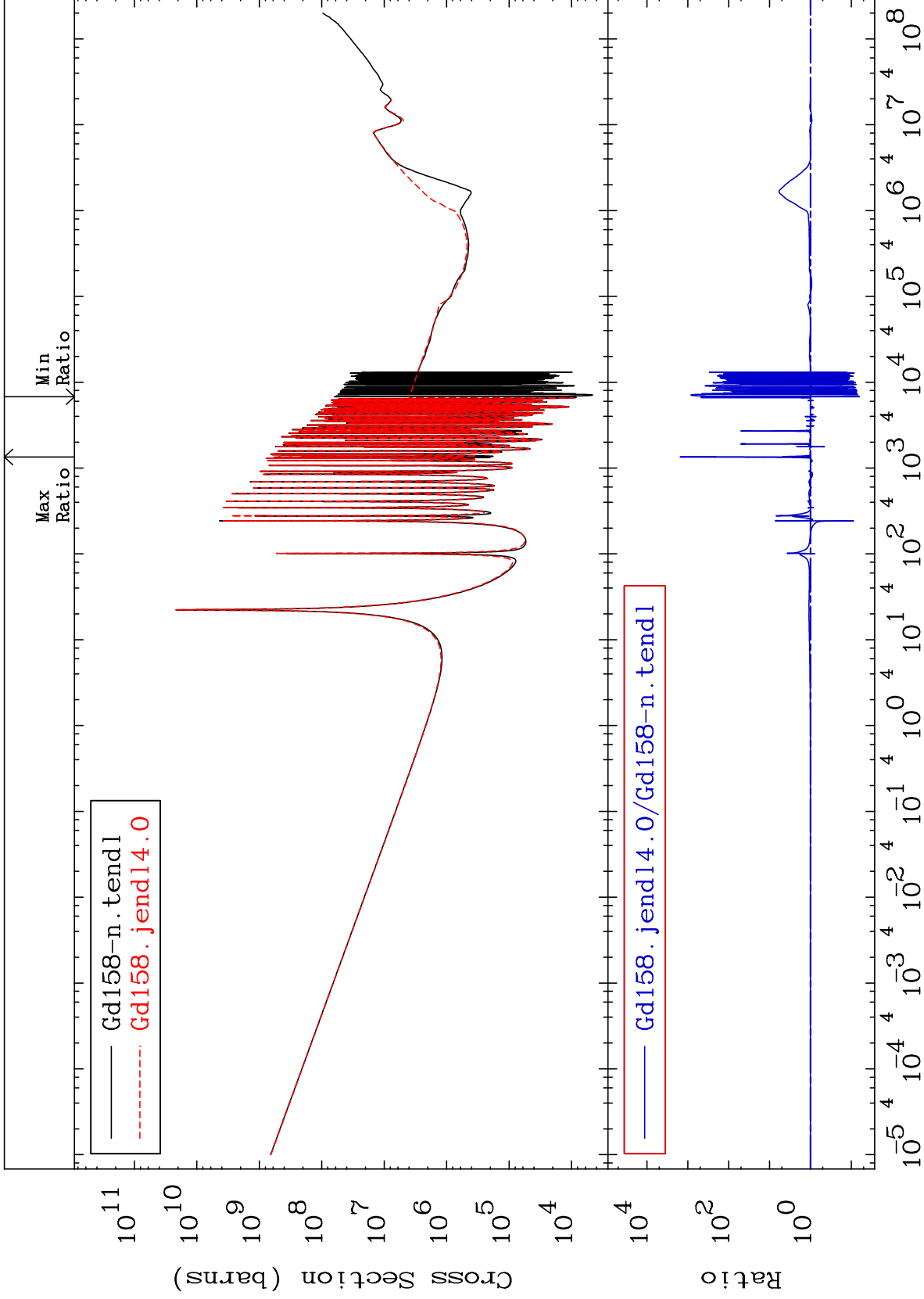
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

64-Gd-158
-41.62 To 39.21 %





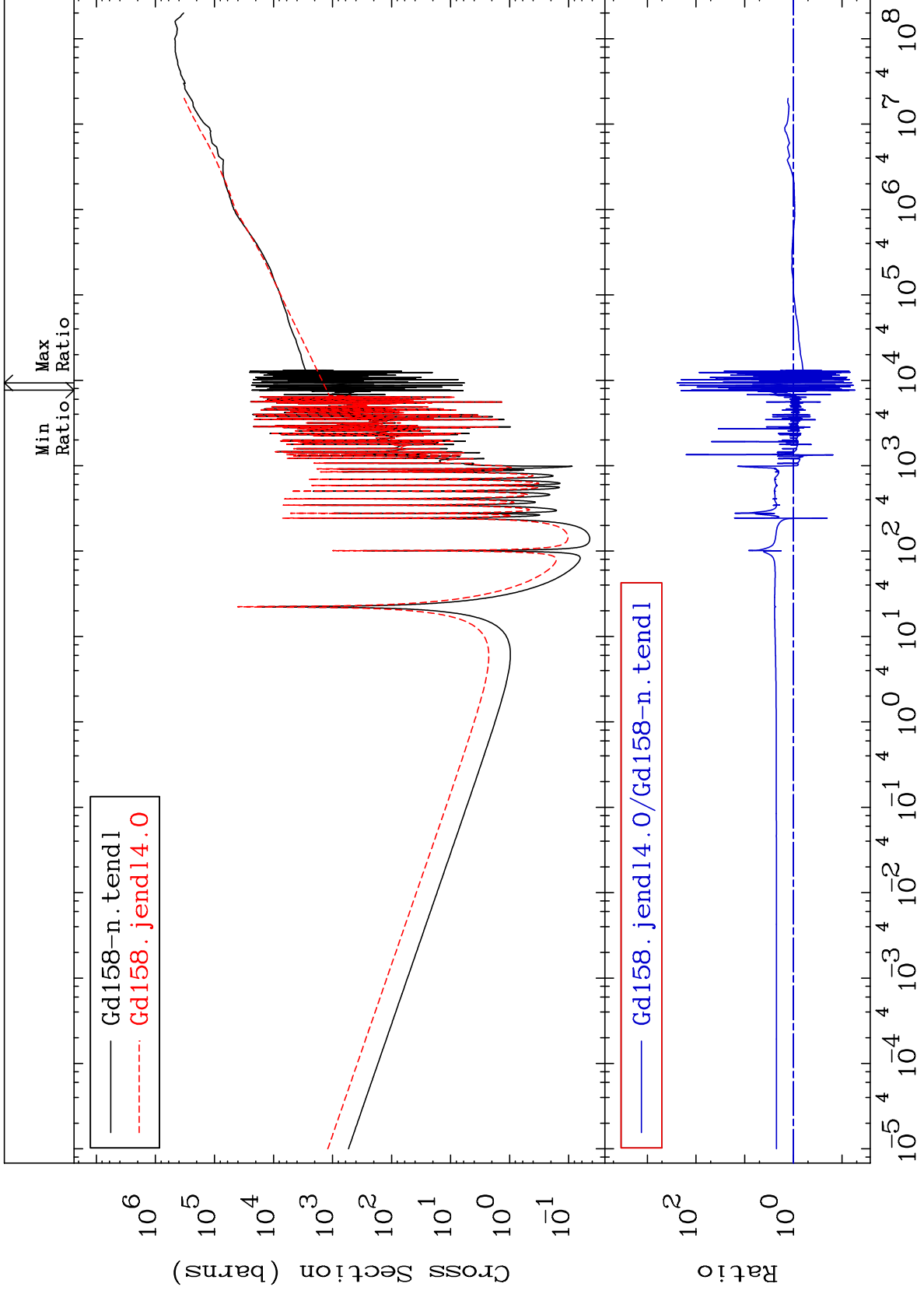




MAT 6443

Dpa total (eV-barns)
Cross Section

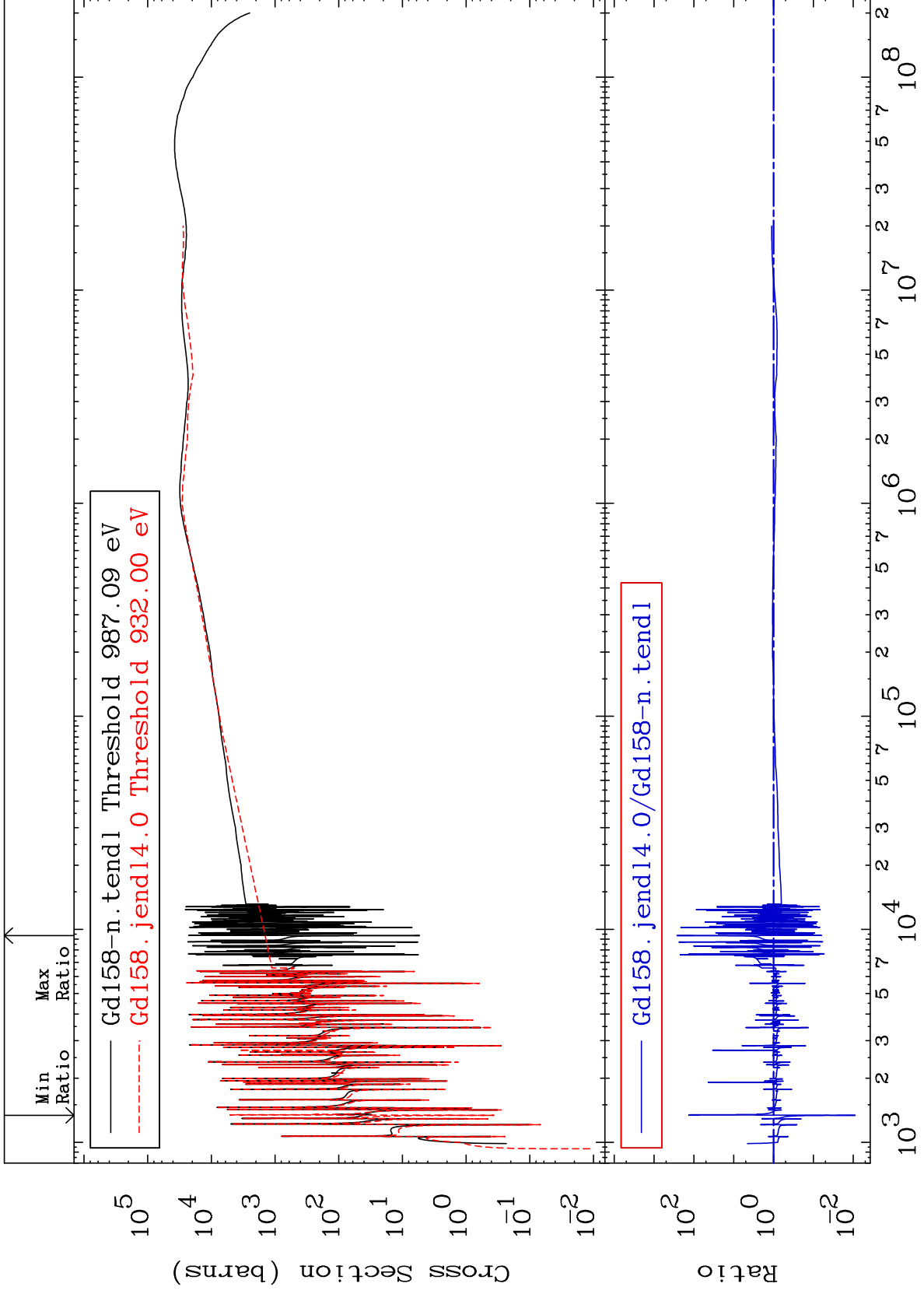
64-Gd-158
-94.61 To 9999. %



MAT 6443

Dpa elastic (mt2)
Cross Section

64-Gd-158
-99.10 To 9999. %



58

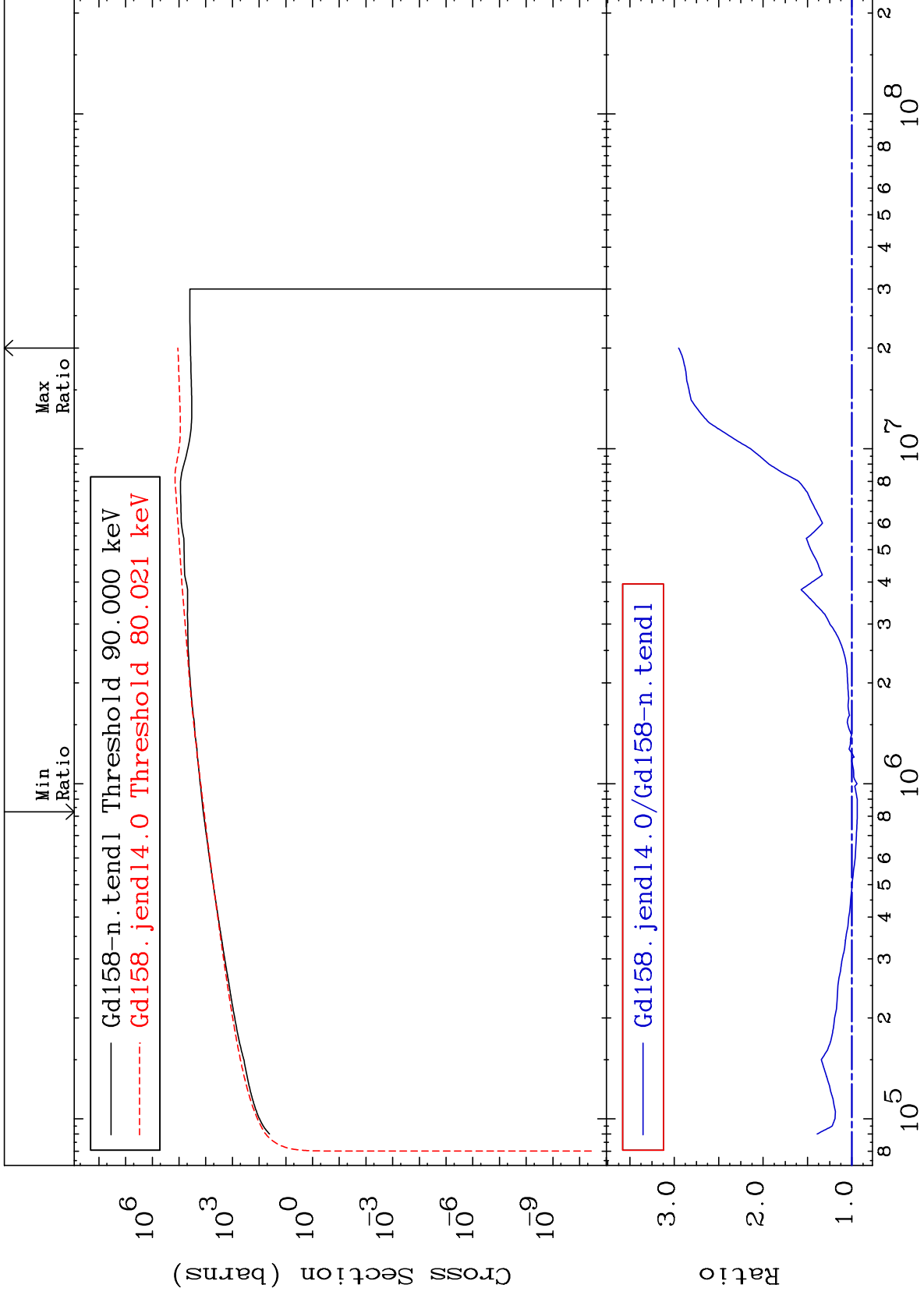
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91)
Cross Section

64-Gd-158
-6.014 To 195.1 %



59

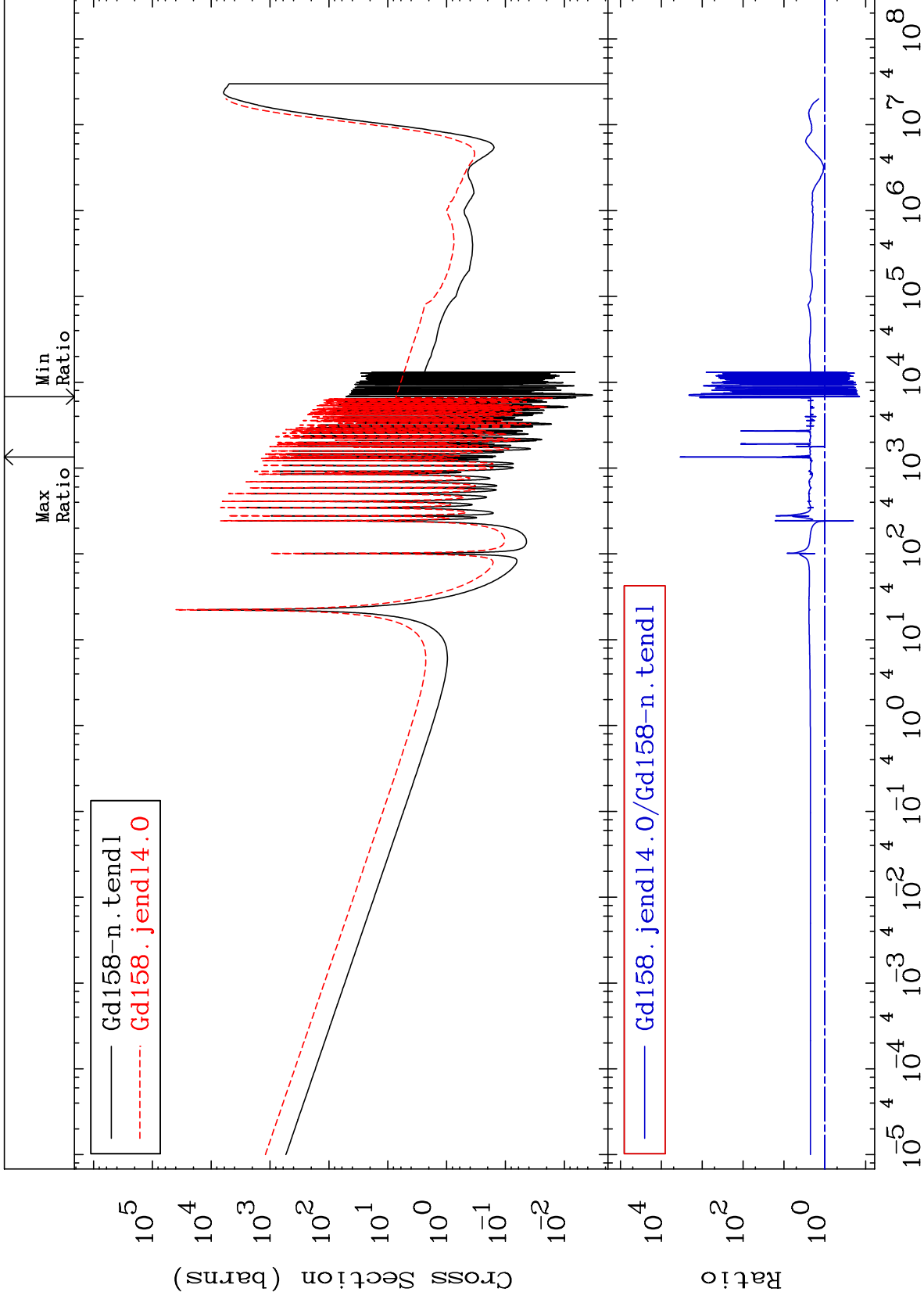
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-158
-85.85 To 9999. %



60

Incident Energy (eV)

64-Gd-158