

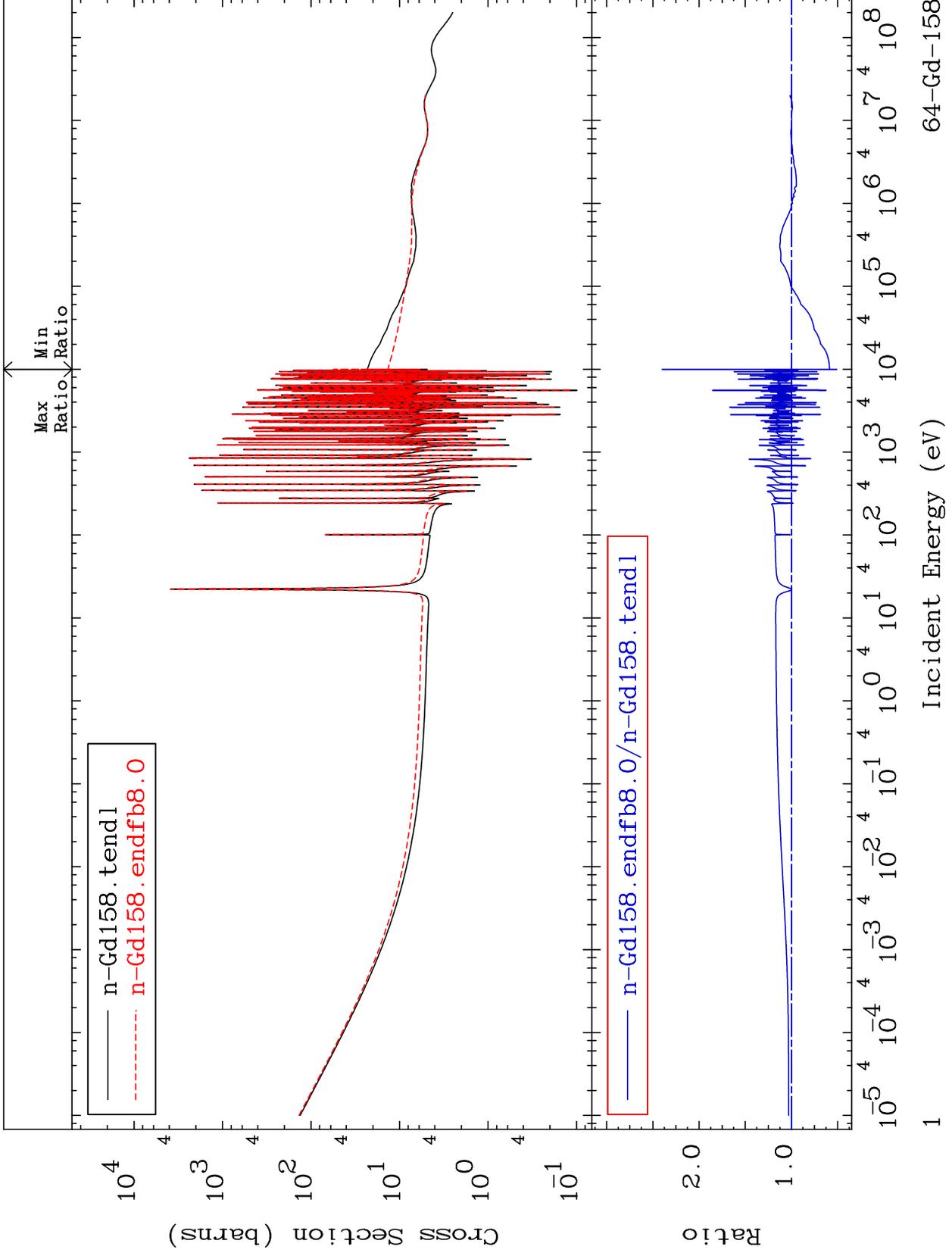
MAT 6443

Total

Cross Section

64-Gd-158

-49.14 To 139.8 %



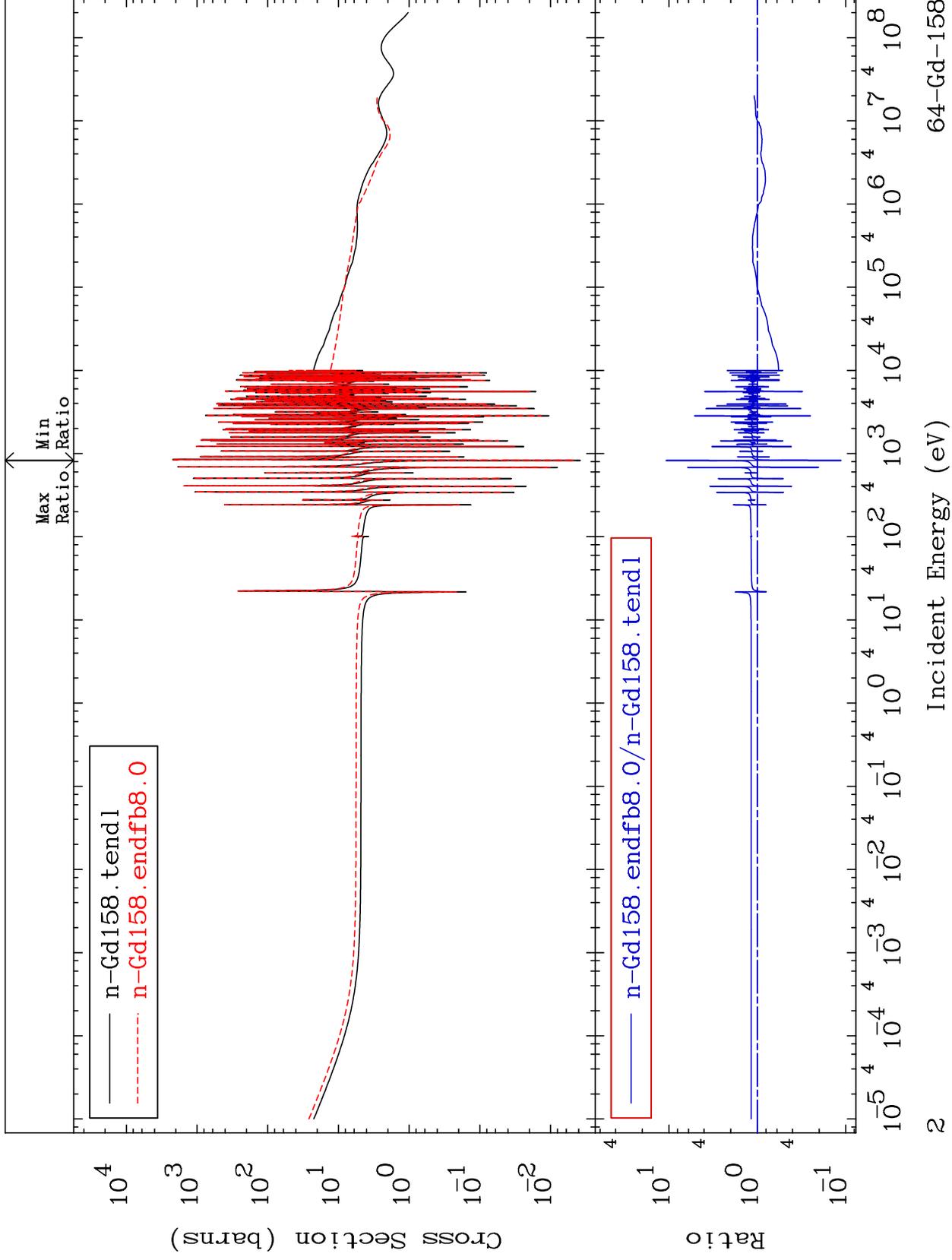
MAT 6443

Elastic

Cross Section

64-Gd-158

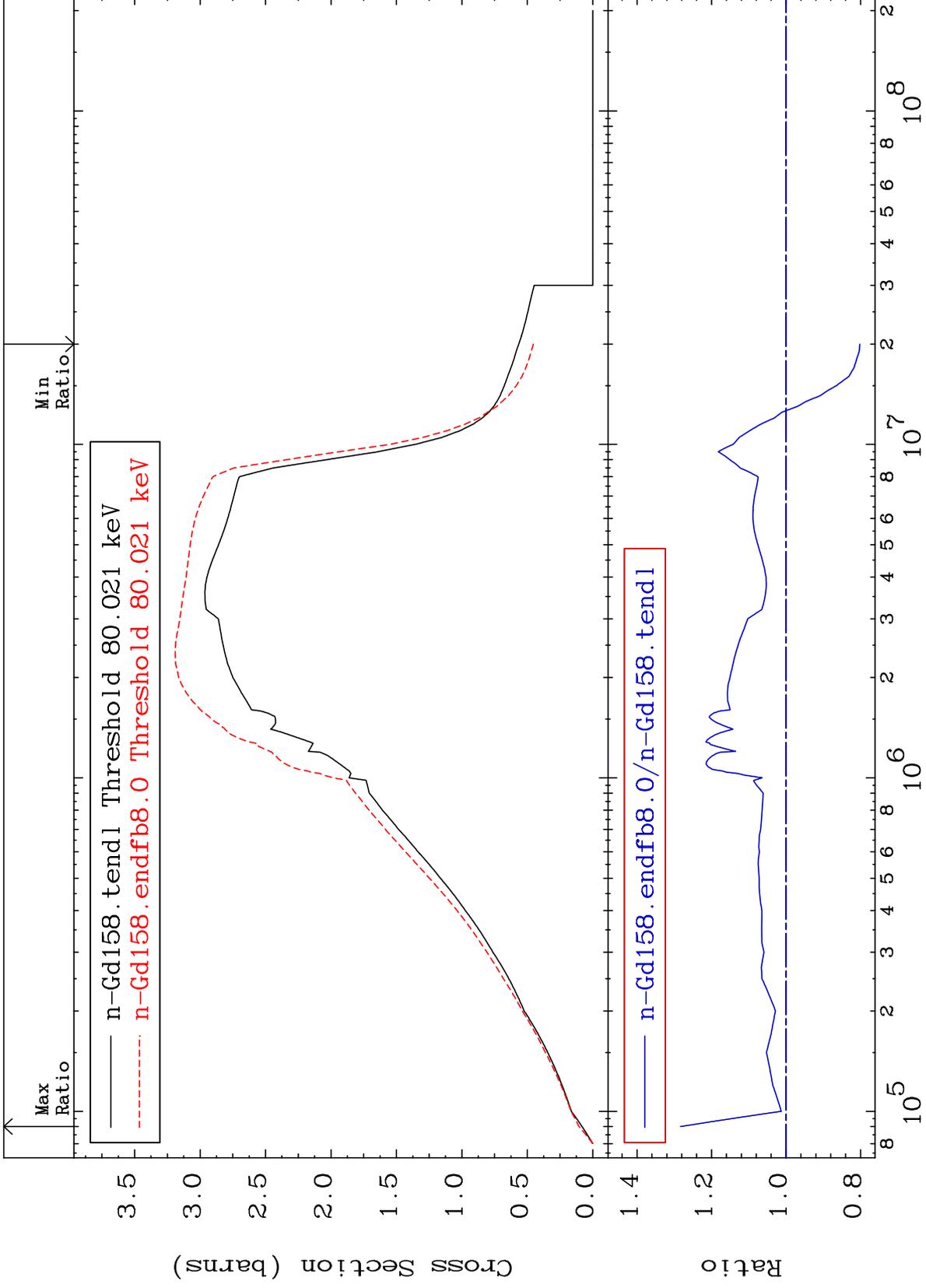
-88.68 To 978.8 %



MAT 6443

Inelastic
Cross Section

64-Gd-158
-19.79 To 28.32 %



3

Incident Energy (eV)

64-Gd-158

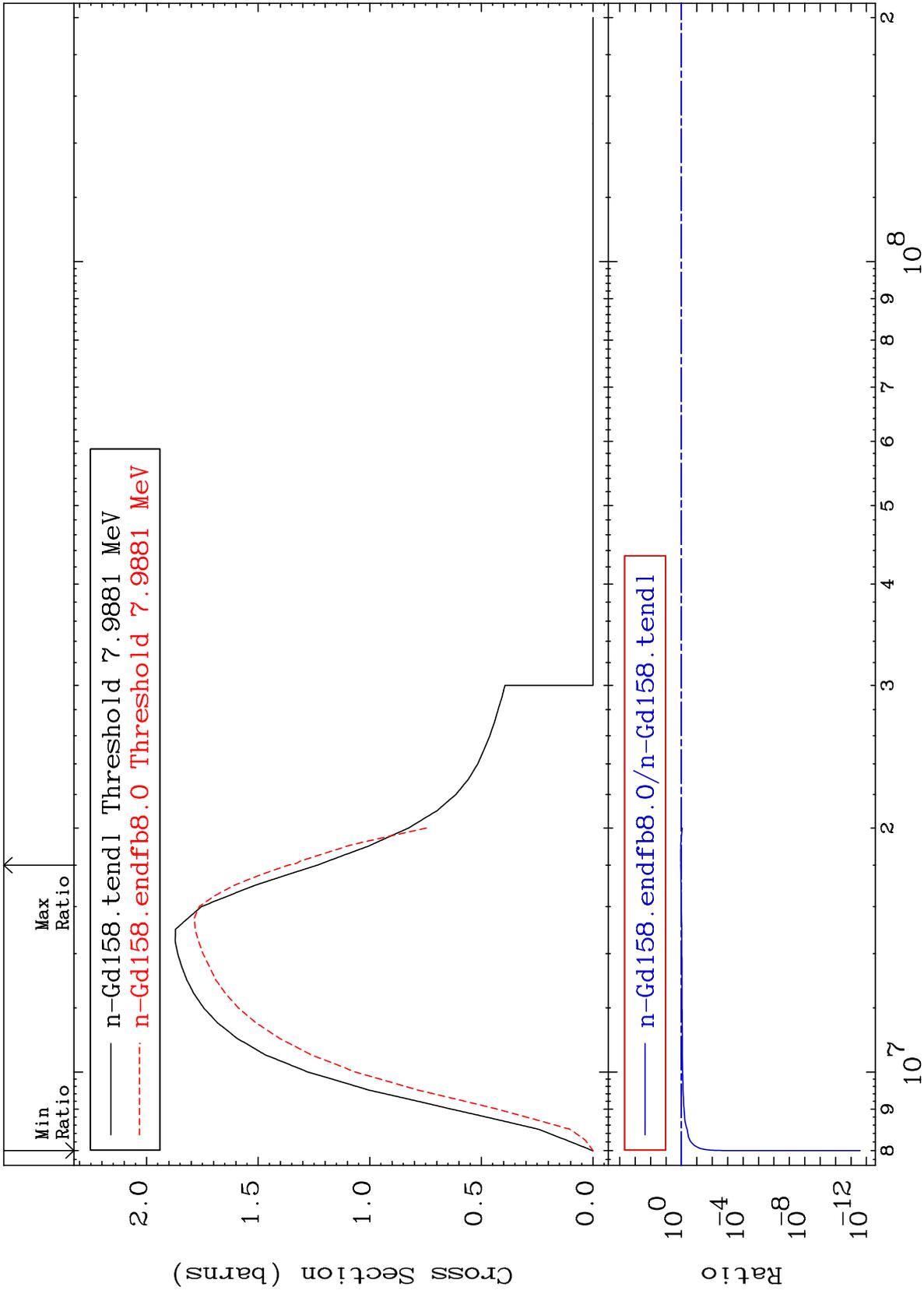
MAT 6443

(n,2n)

64-Gd-158

Cross Section

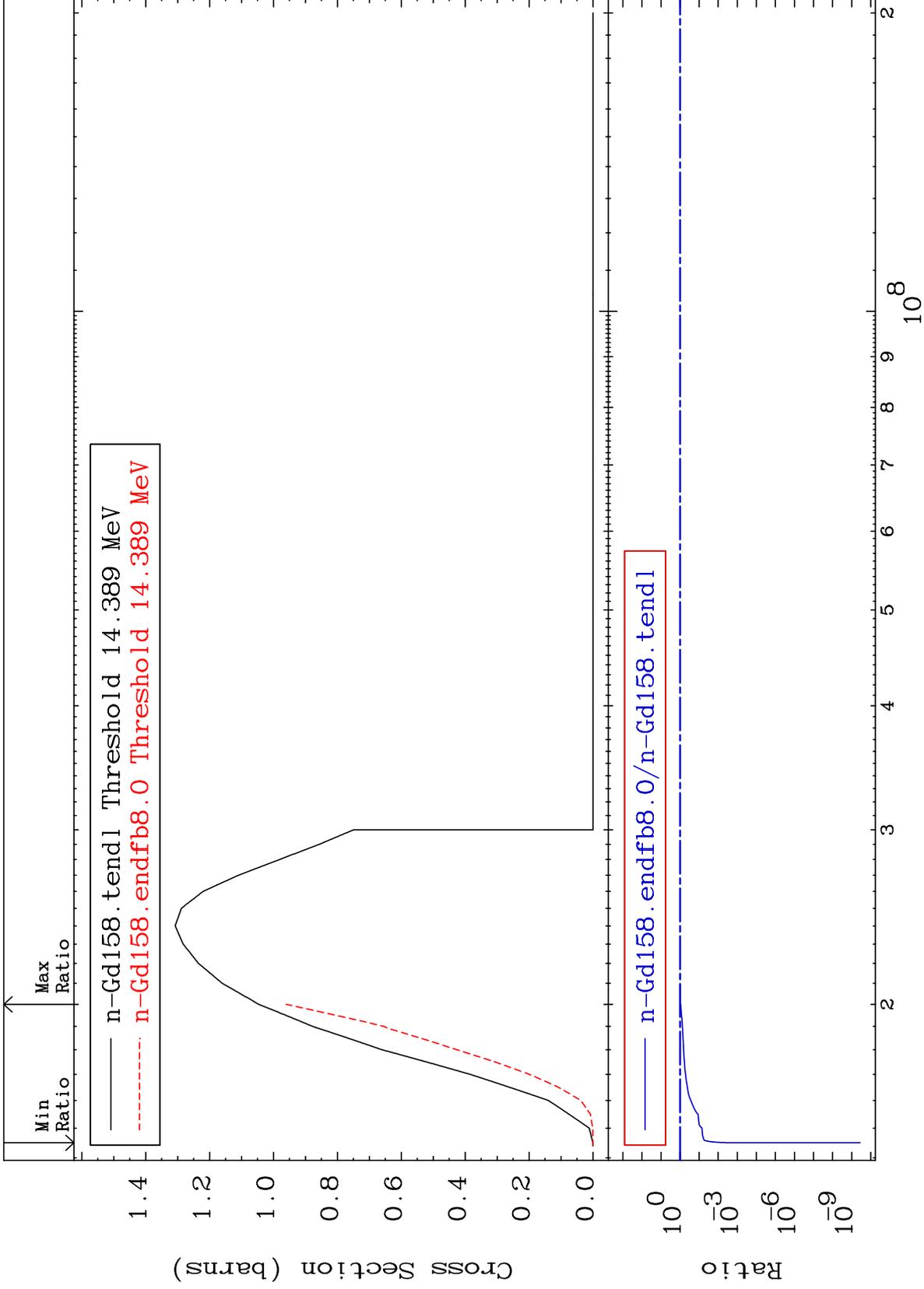
-100.0 To 10.59 %



4

Incident Energy (eV)

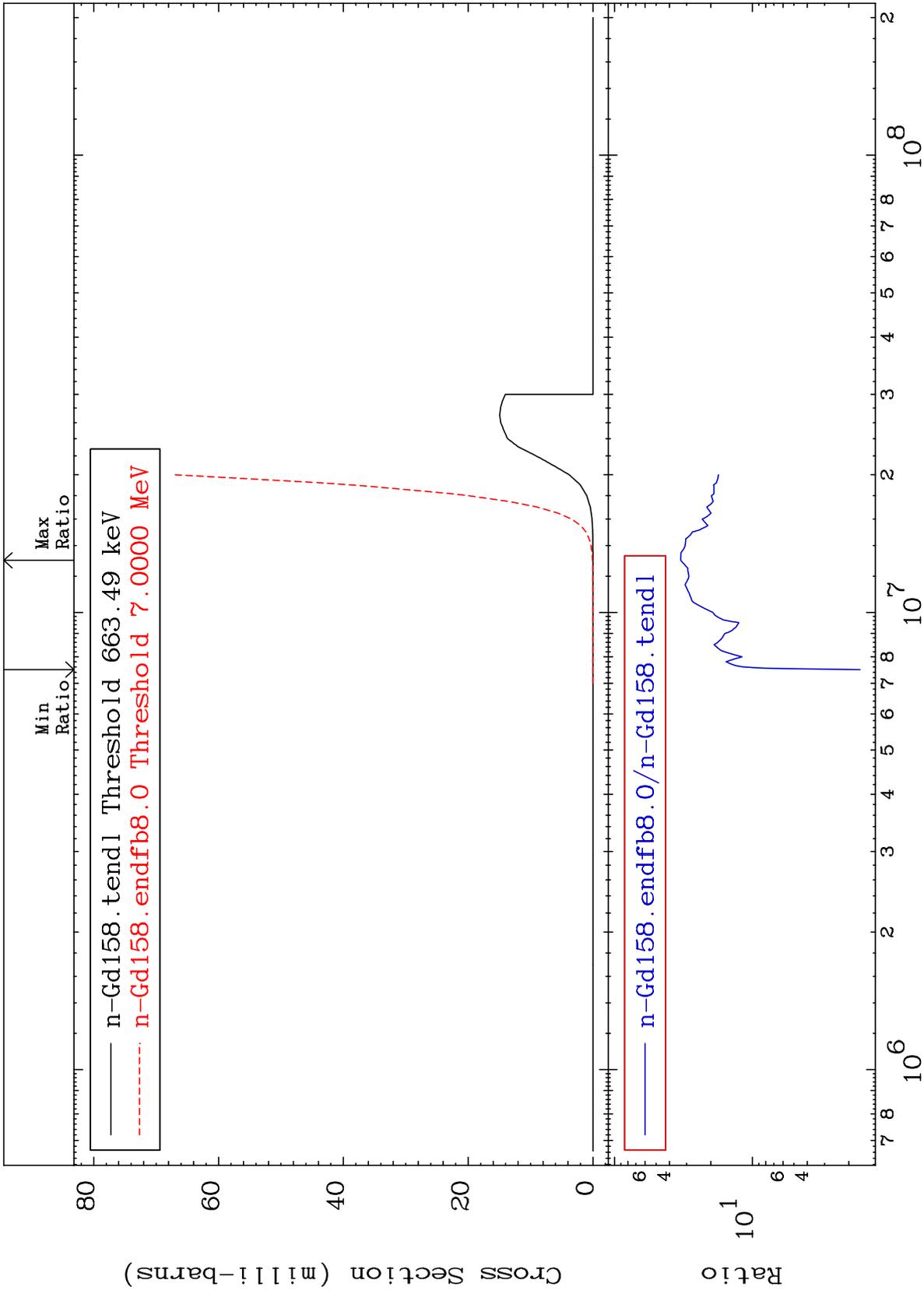
64-Gd-158



MAT 6443

(n,n') α
Cross Section

64-Gd-158
65.67 To 3206. %



64-Gd-158

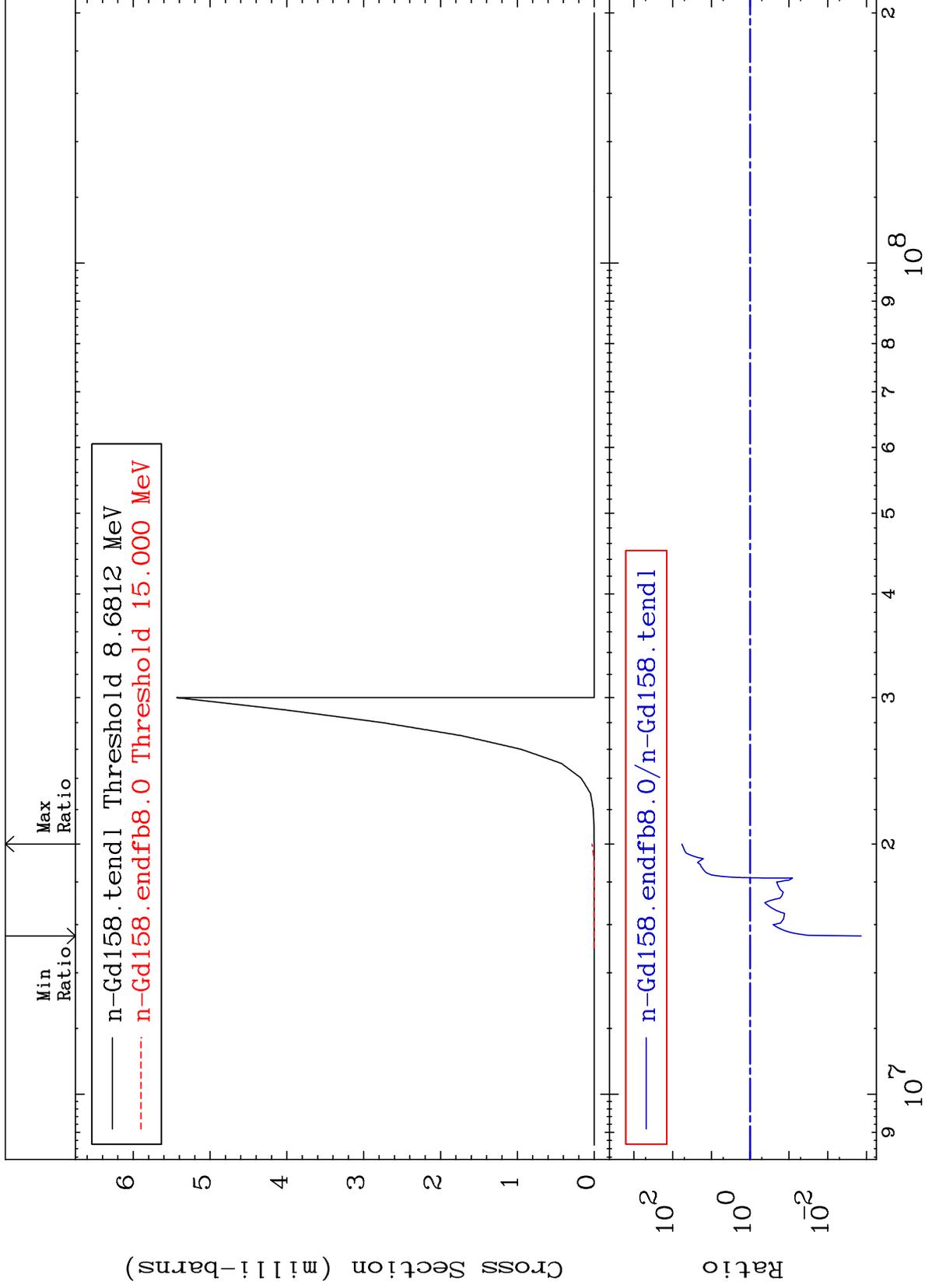
Incident Energy (eV)

6

MAT 6443

(n,2n) α
Cross Section

64-Gd-158
-99.86 To 5667. %



7

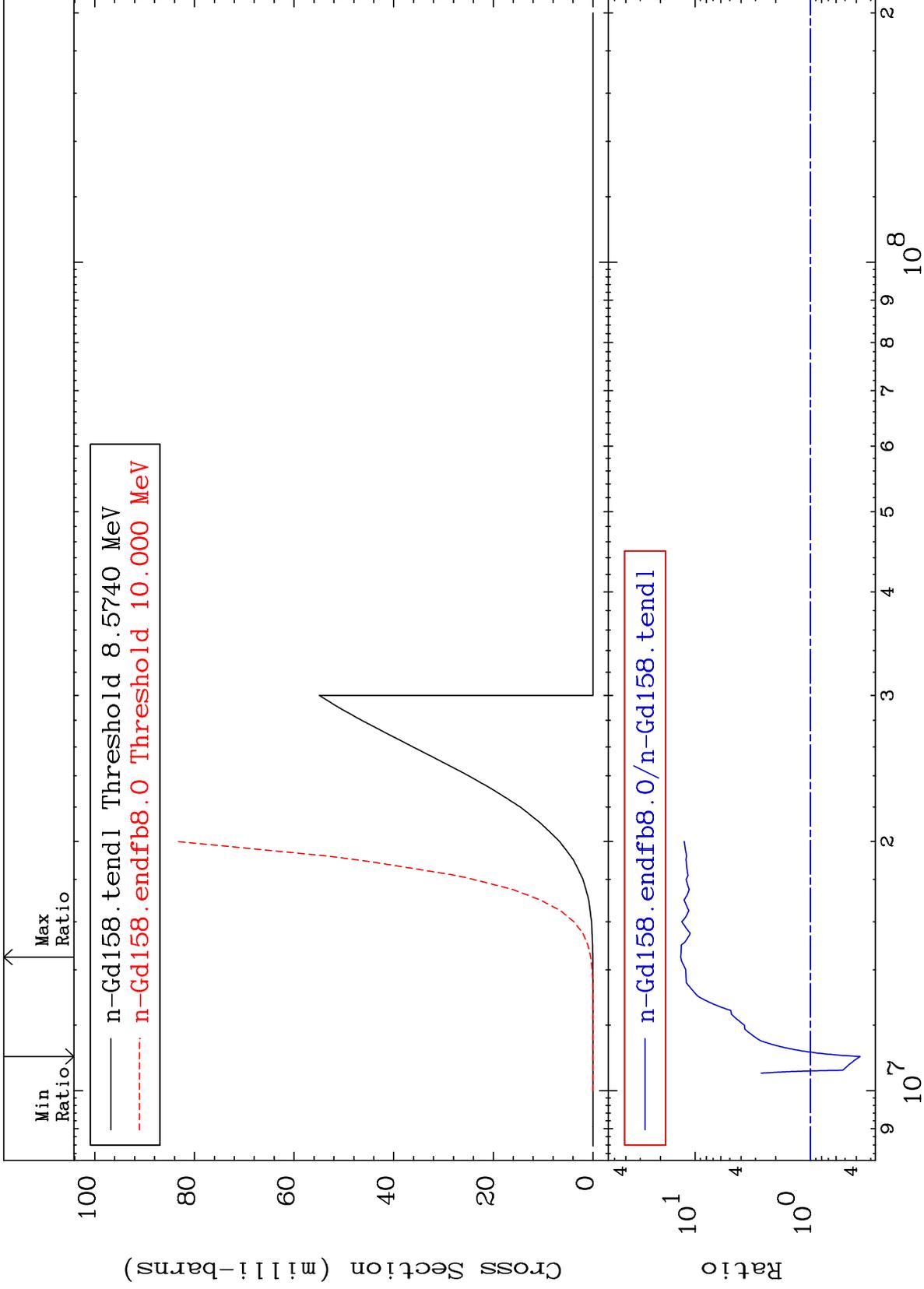
Incident Energy (eV)

64-Gd-158

MAT 6443

(n,n') p
Cross Section

64-Gd-158
-62.90 To 1234. %



8

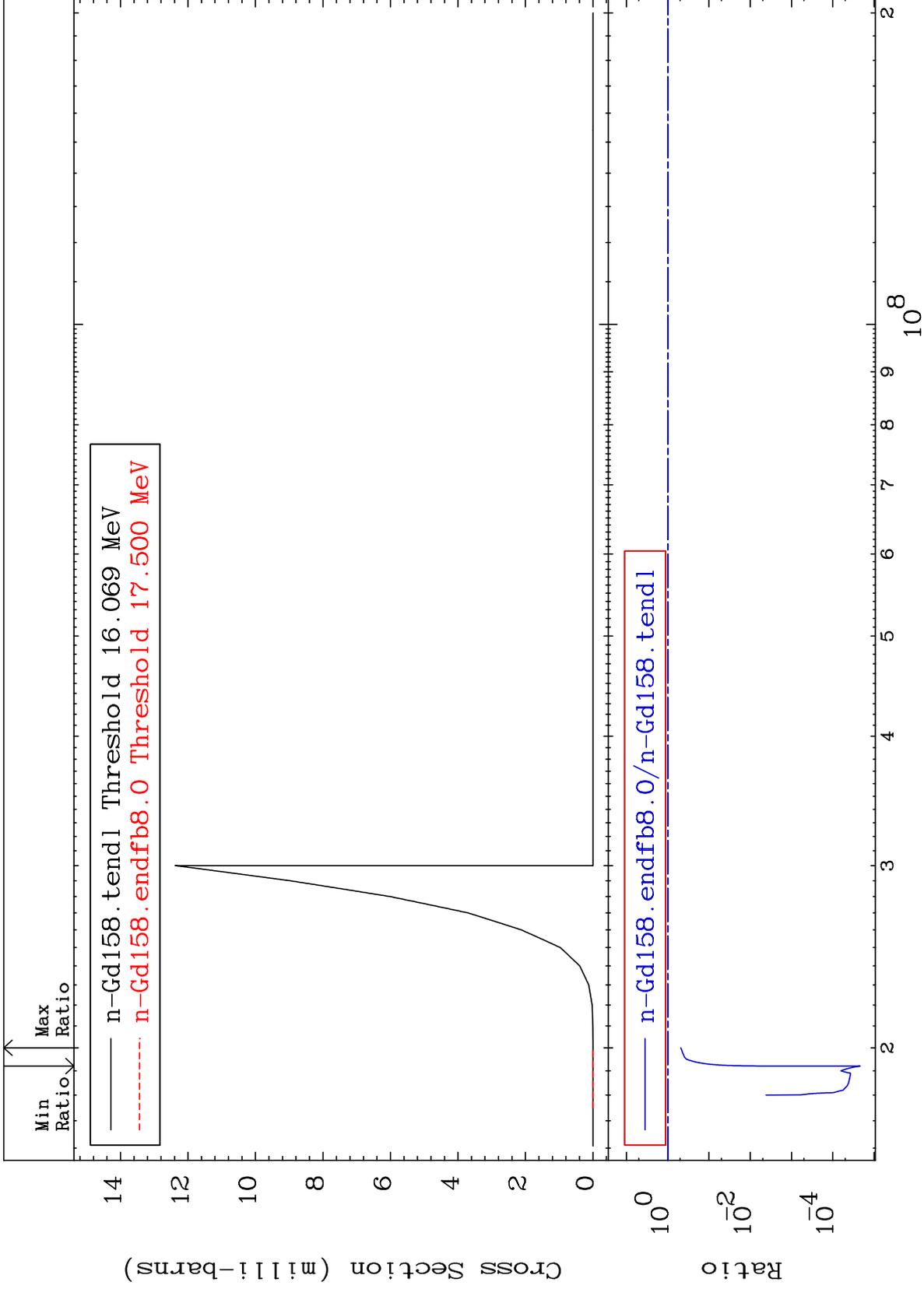
Incident Energy (eV)

64-Gd-158

MAT 6443

(n,2n) p
Cross Section

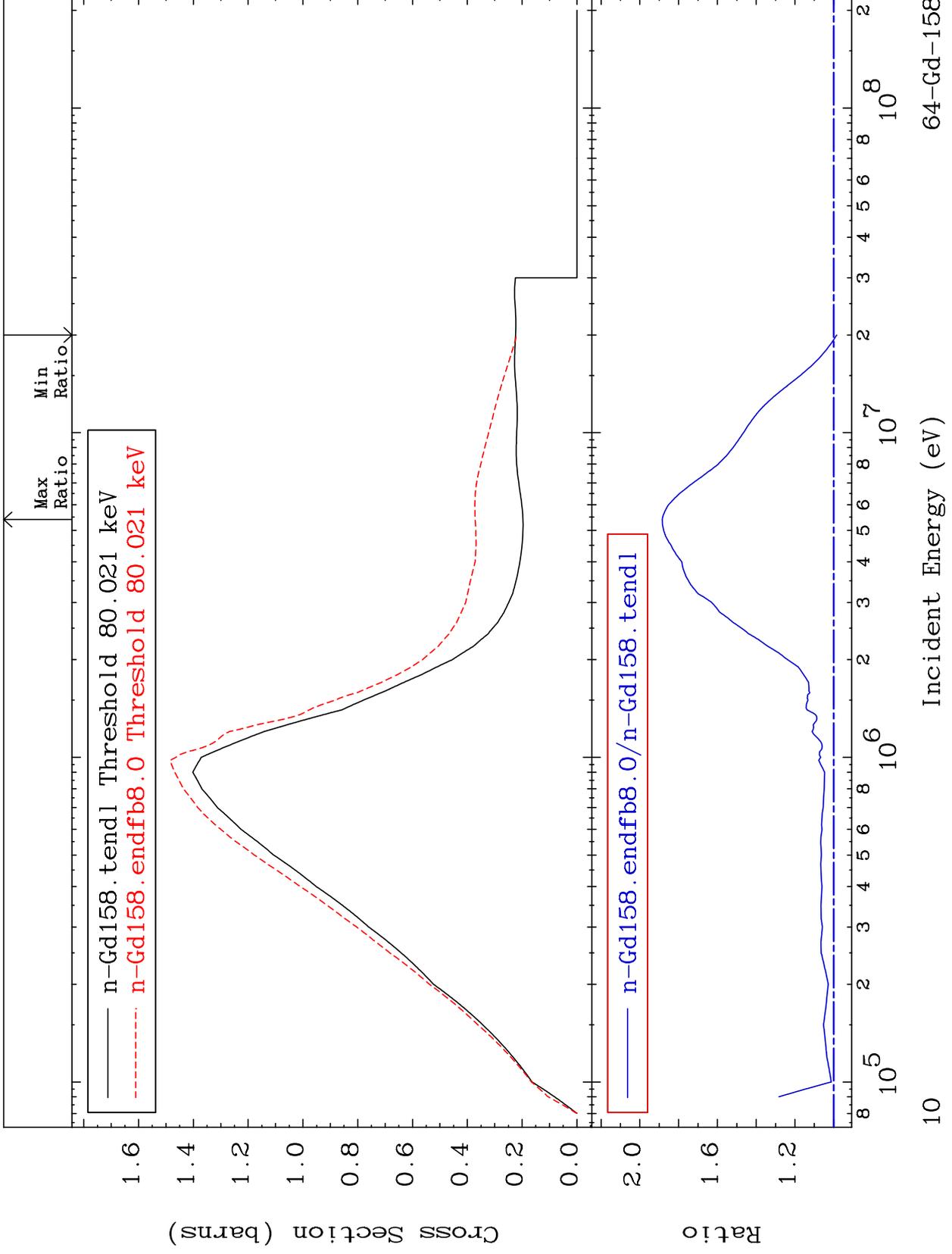
64-Gd-158
-100.0 To -51.75%



MAT 6443

MT= 51 (n,n') Level
Cross Section

64-Gd-158
-1.583 To 88.40 %



10

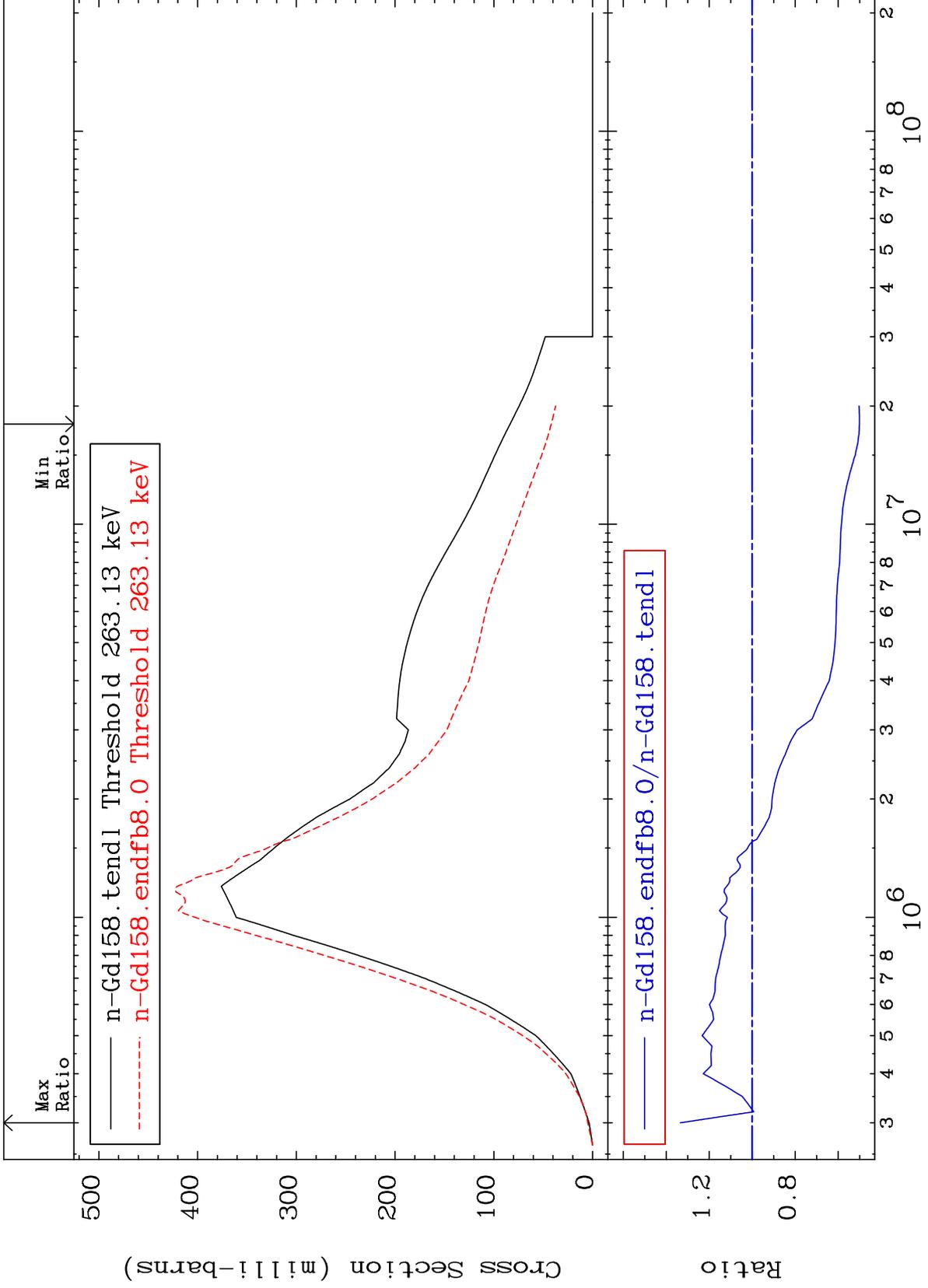
Incident Energy (eV)

64-Gd-158

MAT 6443

MT= 52 (n,n') Level
Cross Section

64-Gd-158
-49.93 To 33.49 %



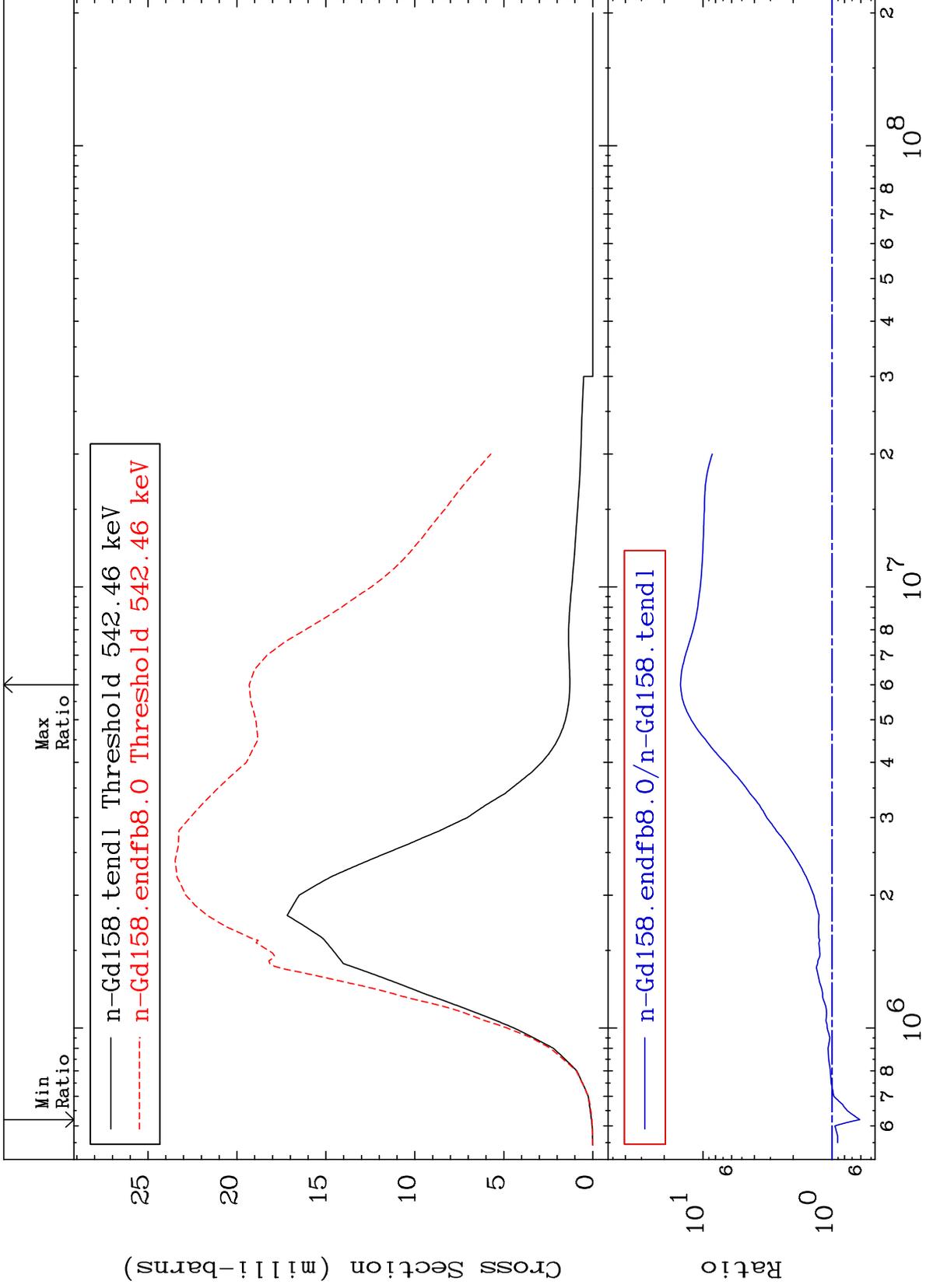
11

64-Gd-158

MAT 6443

MT= 53 (n,n') Level
Cross Section

64-Gd-158
-38.97 To 1394. %



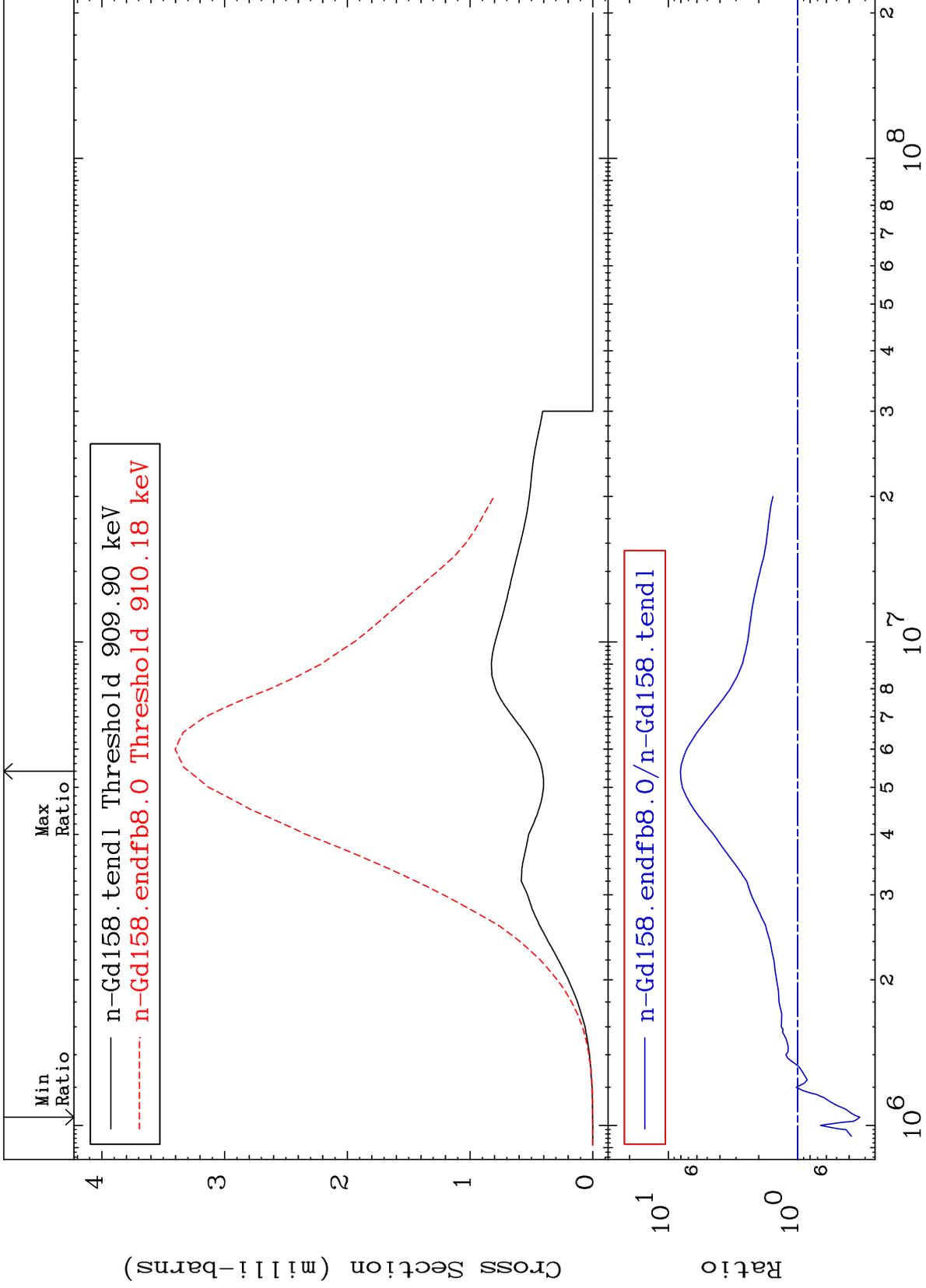
12

64-Gd-158

MAT 6443

MT= 54 (n, n') Level
Cross Section

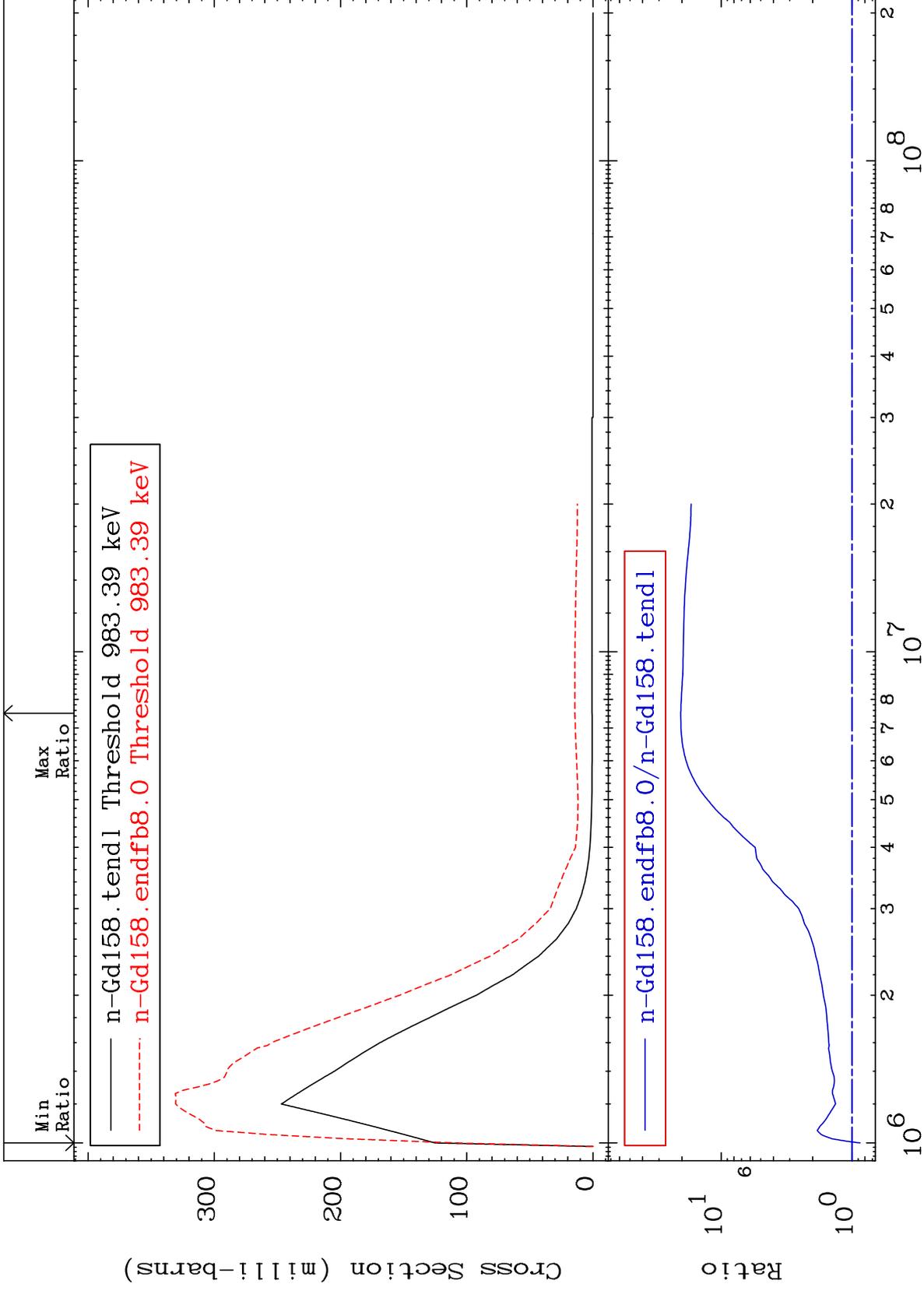
64-Gd-158
-66.93 To 705.5 %



MAT 6443

MT= 55 (n,n') Level
Cross Section

64-Gd-158
-13.08 To 1942. %



14

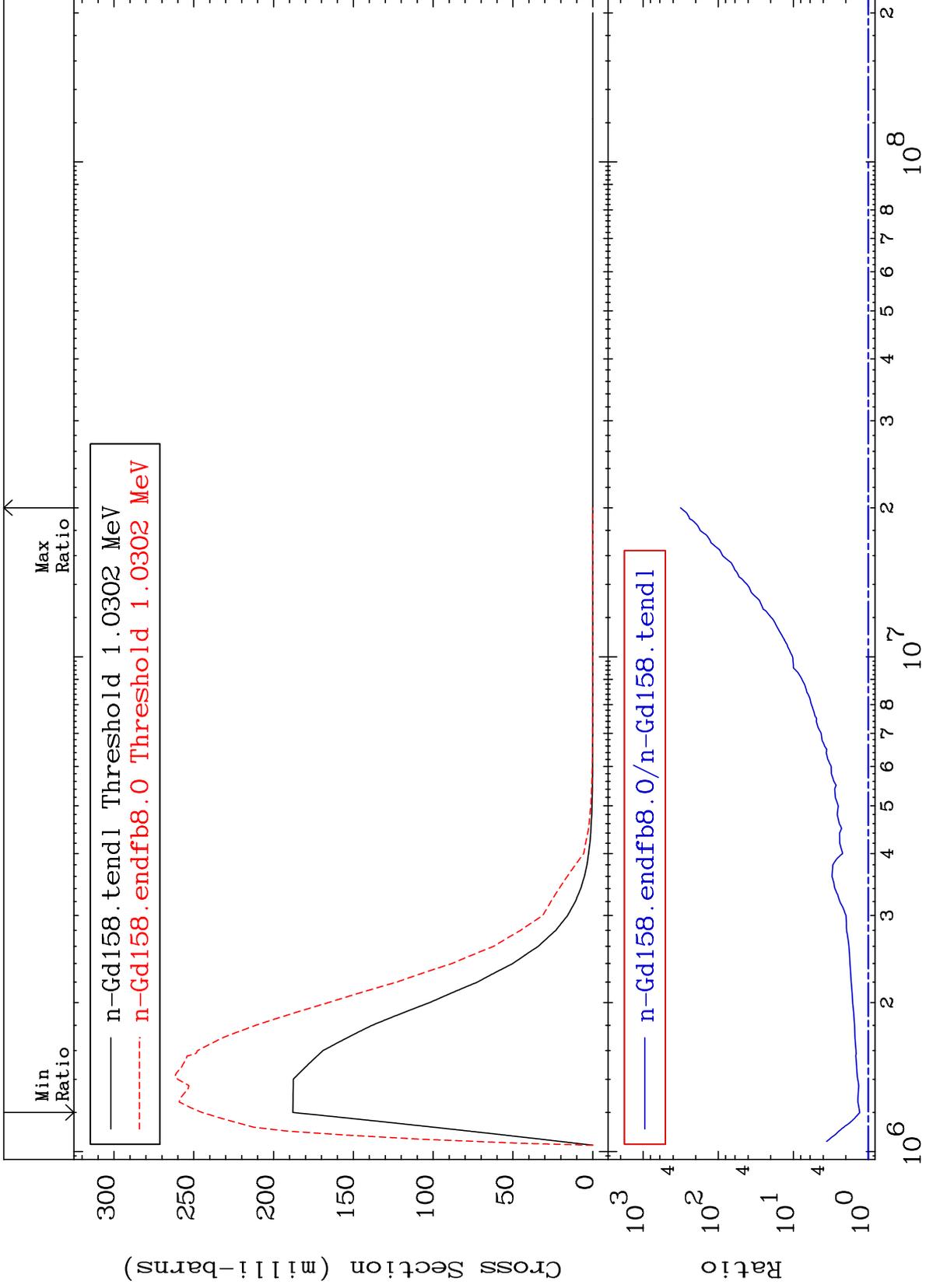
Incident Energy (eV)

64-Gd-158

MAT 6443

MT= 56 (n,n') Level
Cross Section

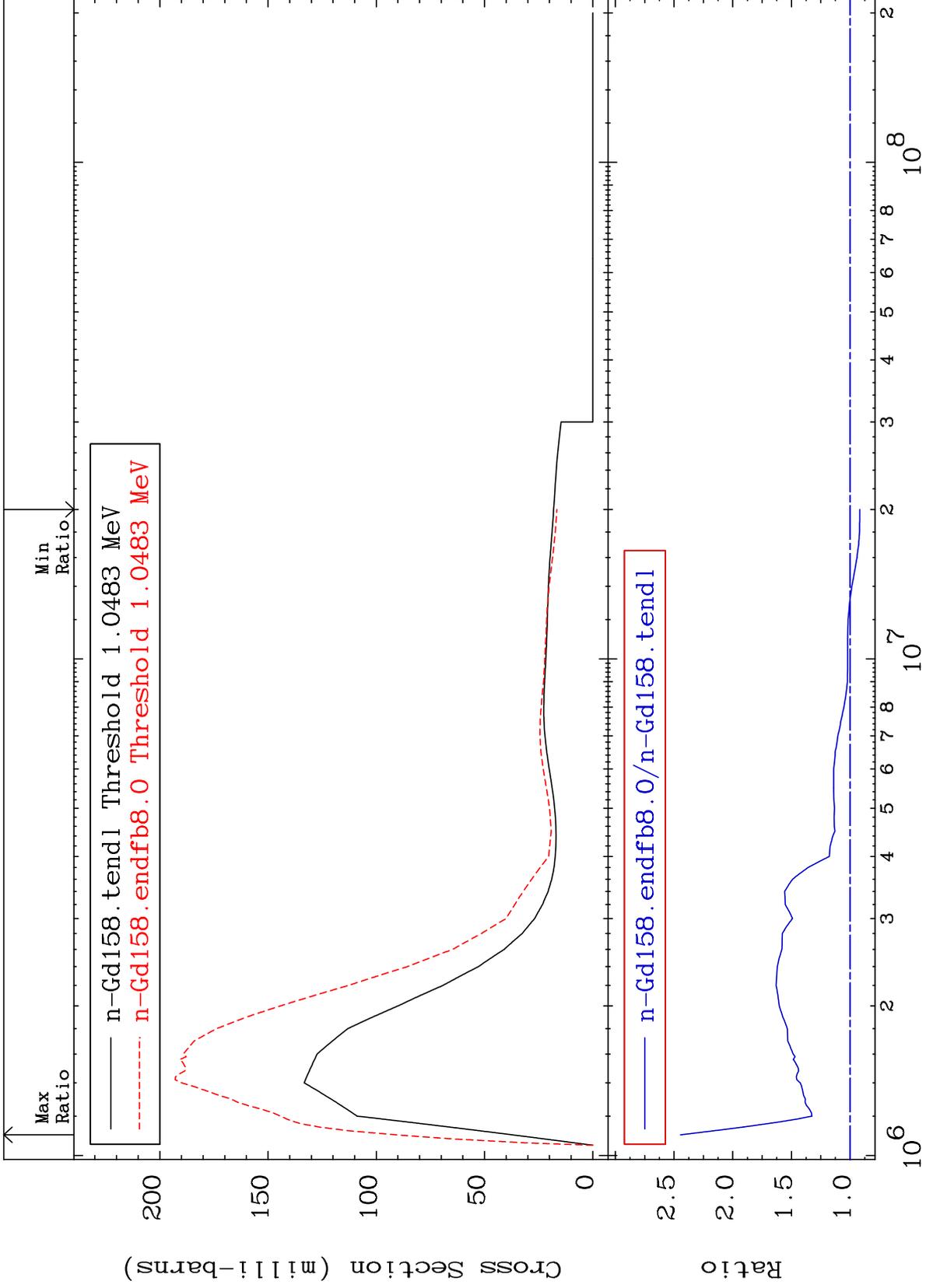
64-Gd-158
30.32 To 9999. %



MAT 6443

MT= 57 (n, n') Level
Cross Section

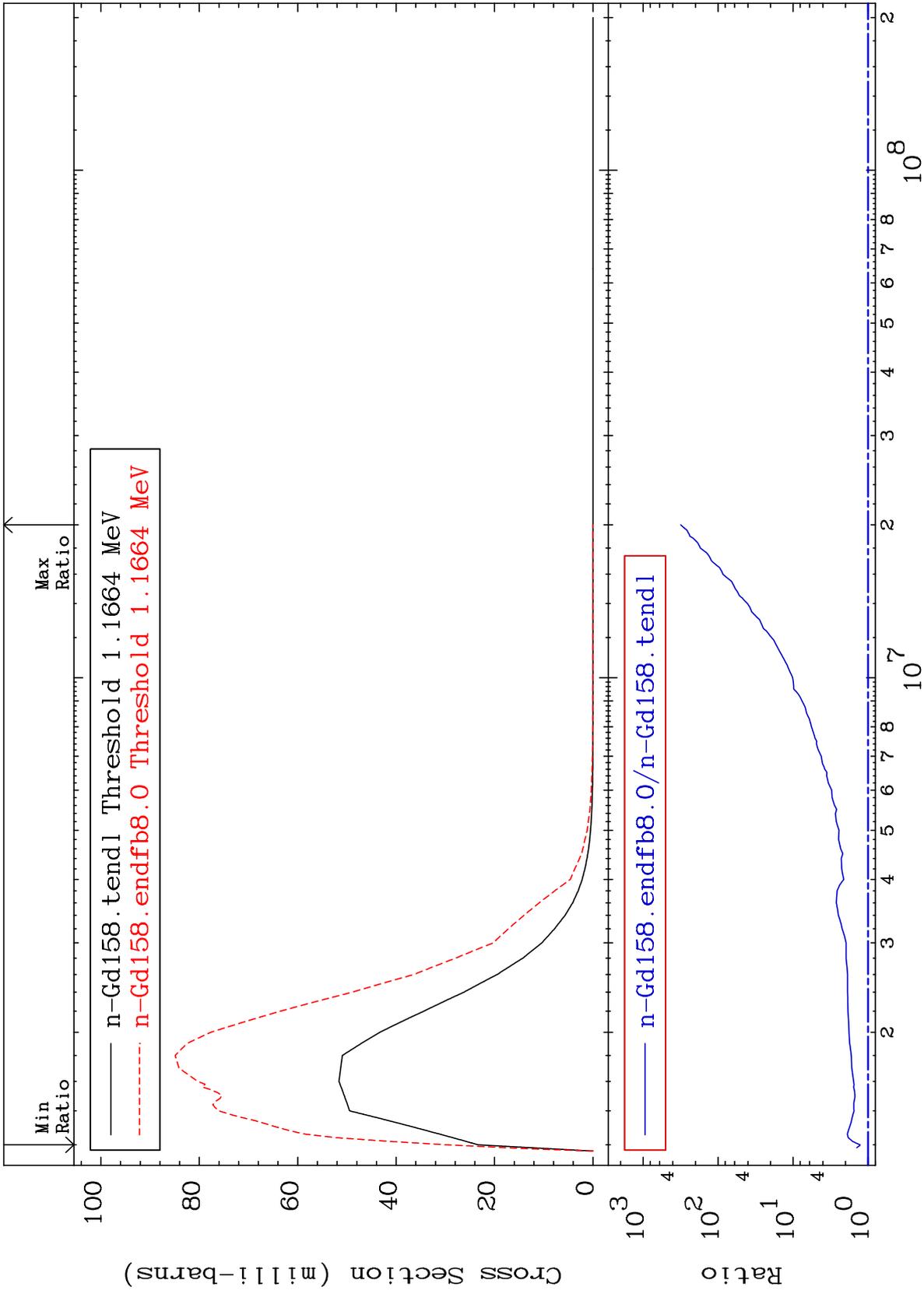
64-Gd-158
-8.242 To 144.5 %



MAT 6443

MT= 58 (n,n') Level
Cross Section

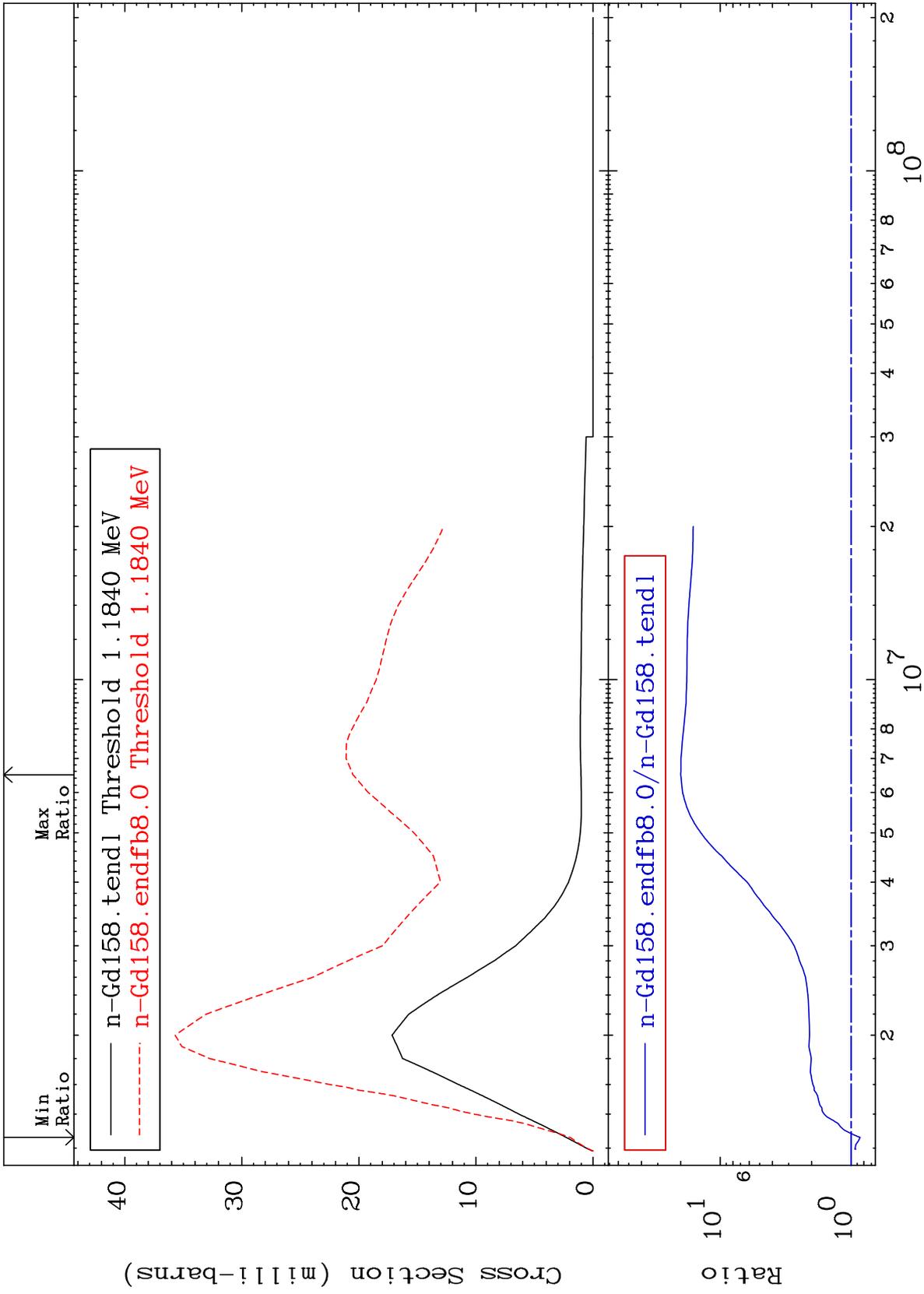
64-Gd-158
27.35 To 9999. %



MAT 6443

MT= 59 (n,n') Level
Cross Section

64-Gd-158
-14.53 To 1901. %



18

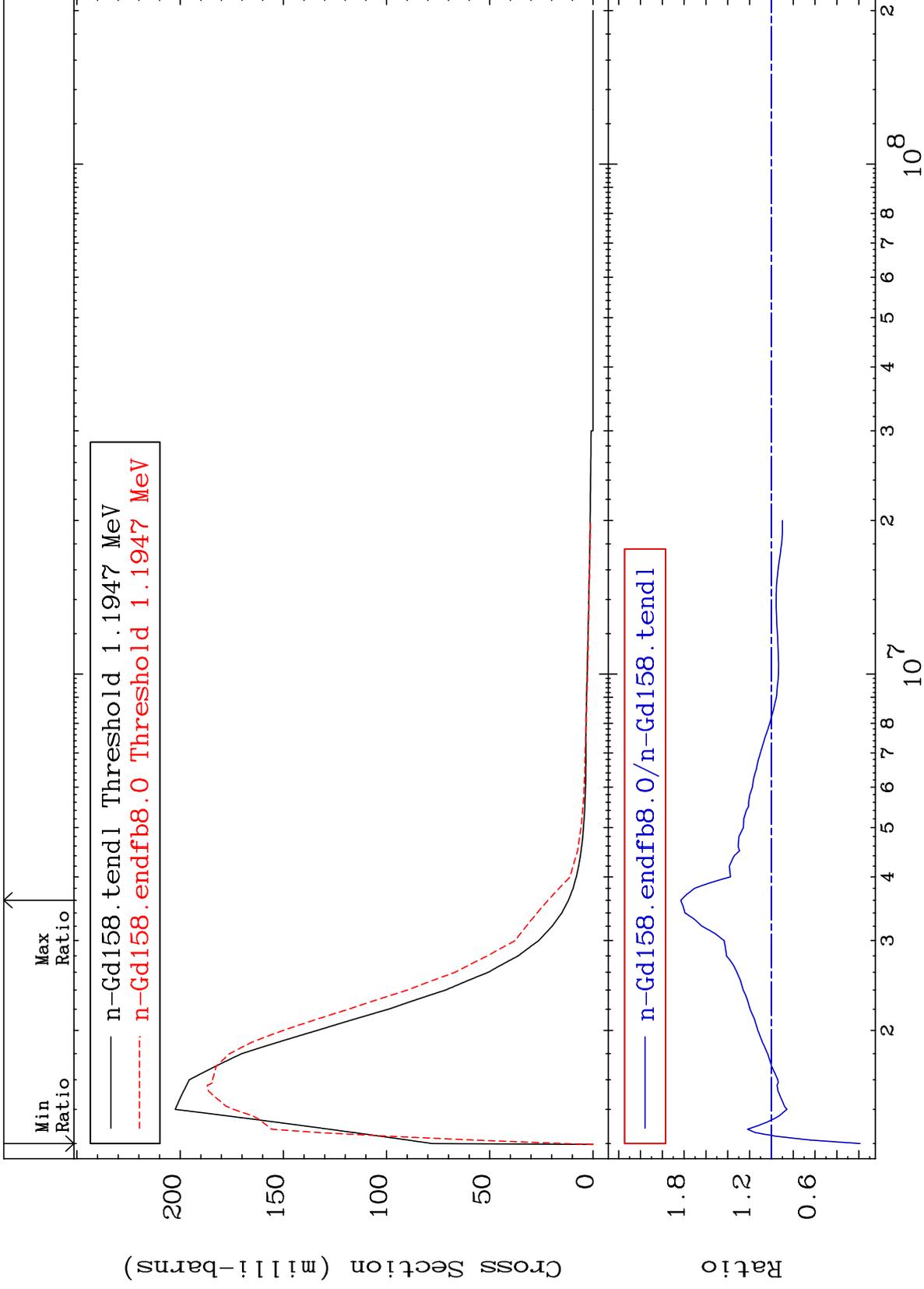
Incident Energy (eV)

64-Gd-158

MAT 6443

MT= 60 (n,n') Level
Cross Section

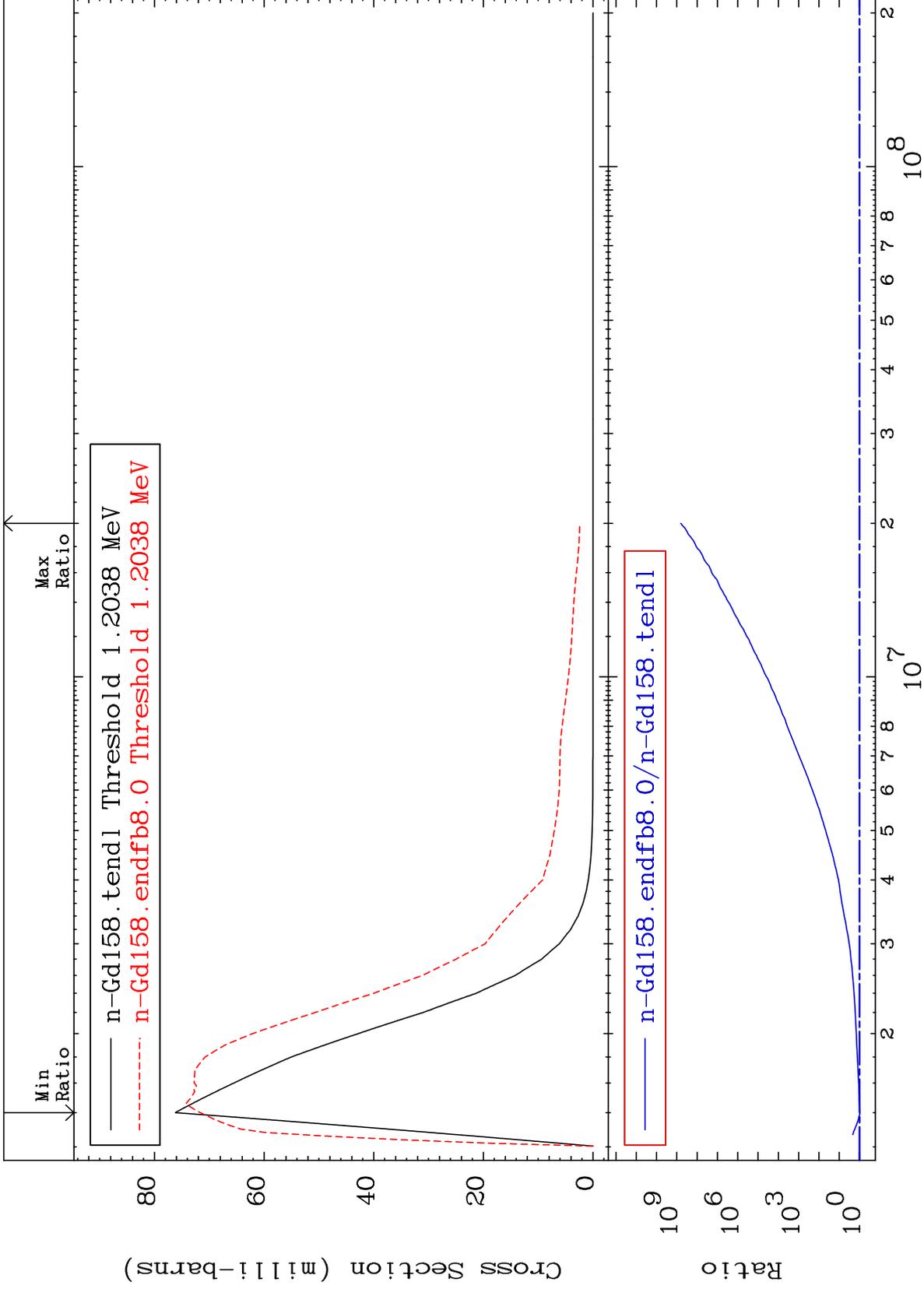
64-Gd-158
-81.24 To 83.09 %



MAT 6443

MT= 61 (n,n') Level
Cross Section

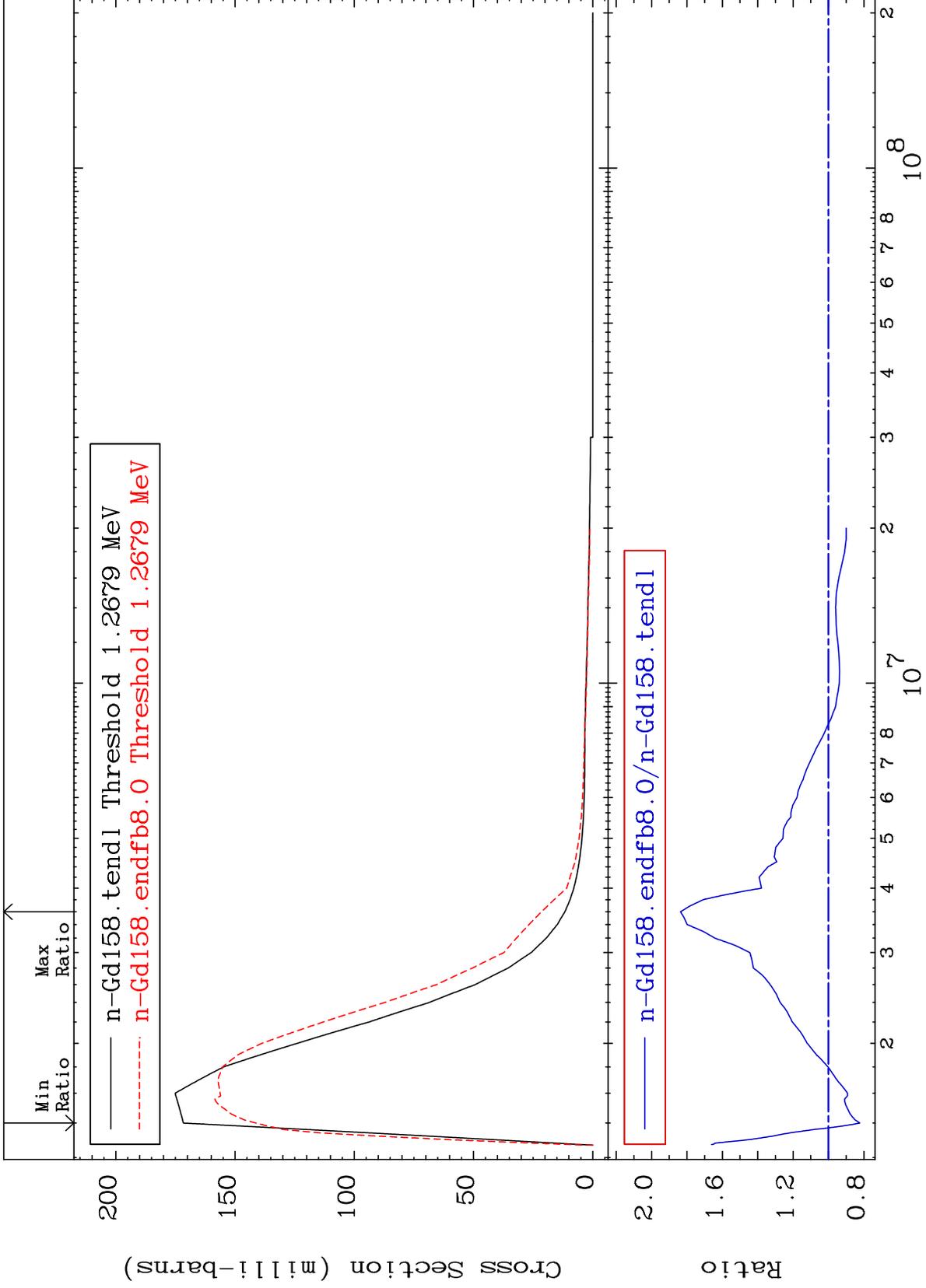
64-Gd-158
-6.016 To 9999. %



MAT 6443

MT= 62 (n,n') Level
Cross Section

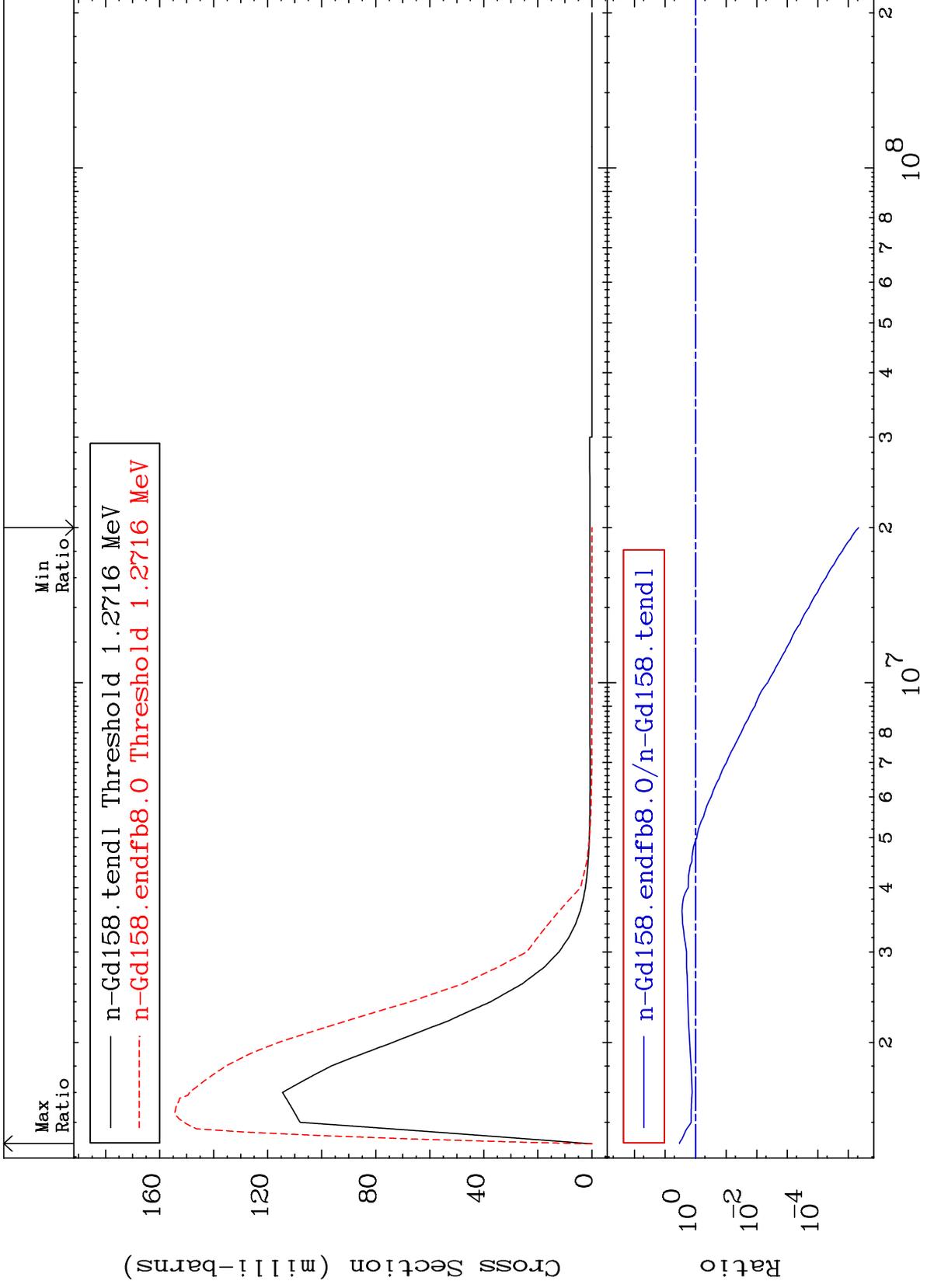
64-Gd-158
-17.70 To 83.65 %



MAT 6443

MT= 63 (n, n') Level
Cross Section

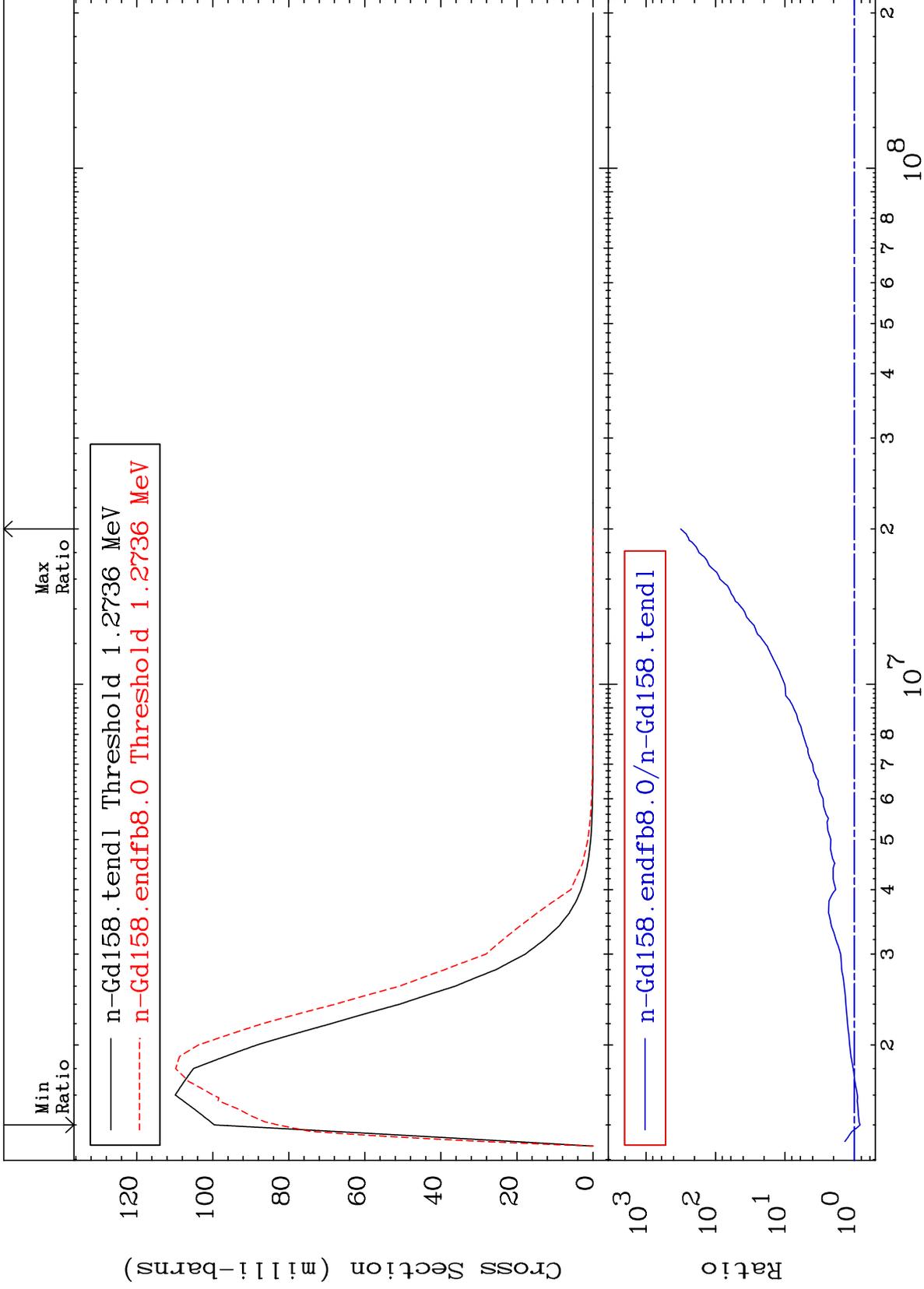
64-Gd-158
-100.0 To 236.4 %



MAT 6443

MT= 64 (n, n') Level
Cross Section

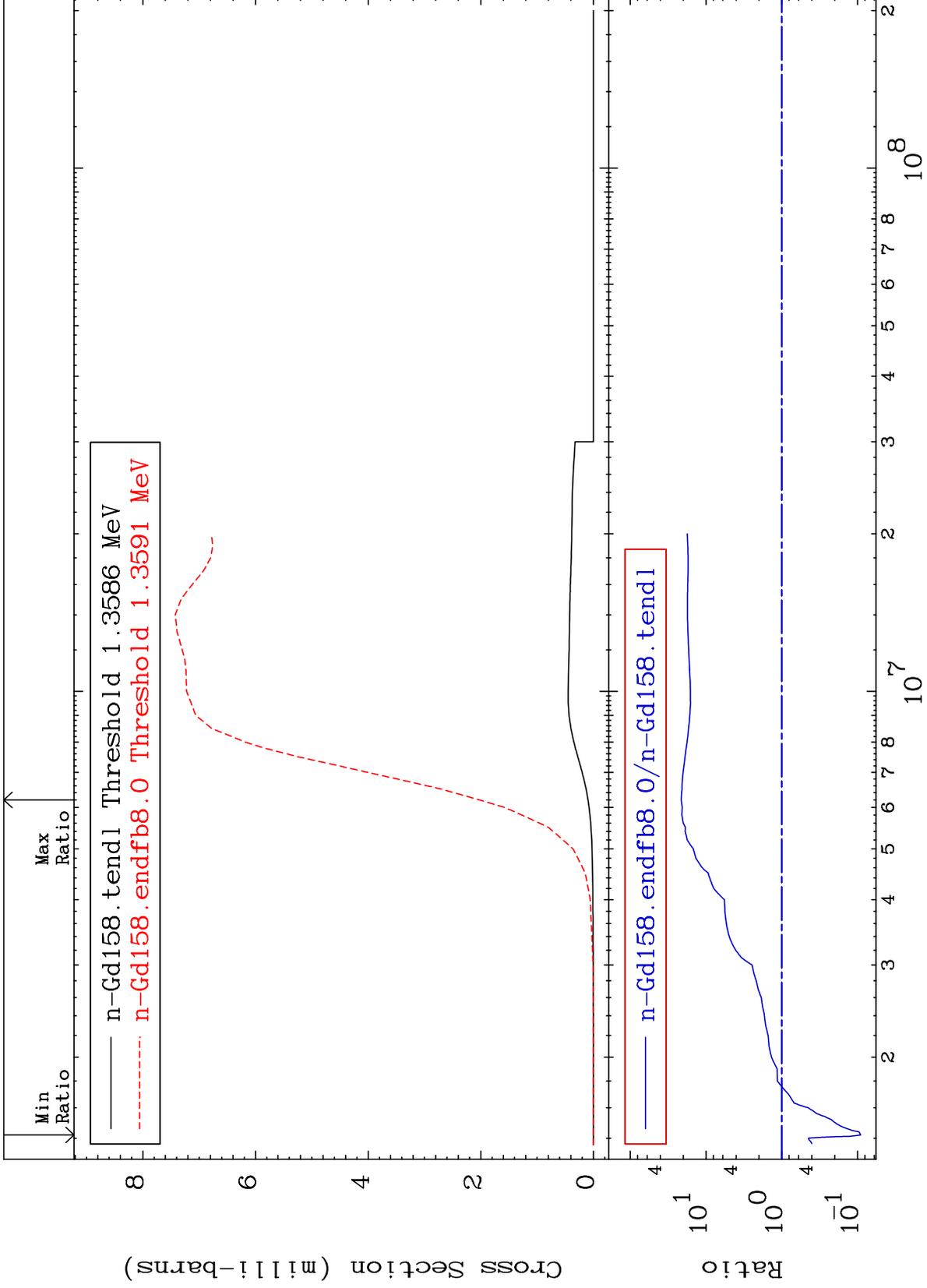
64-Gd-158
-16.84 To 9999. %



MAT 6443

MT= 65 (n,n') Level
Cross Section

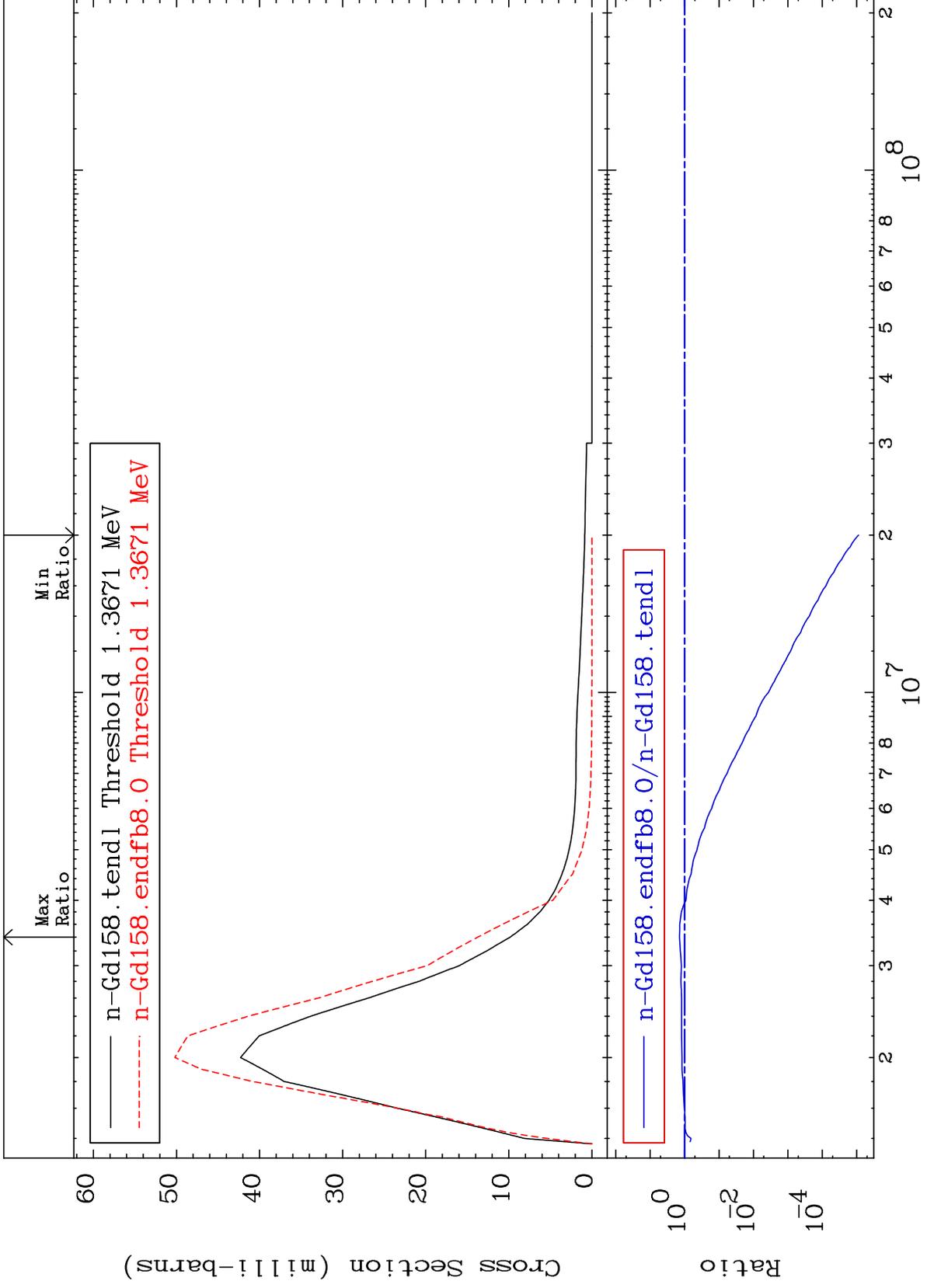
64-Gd-158
-90.93 To 2022. %



MAT 6443

MT= 66 (n,n') Level
Cross Section

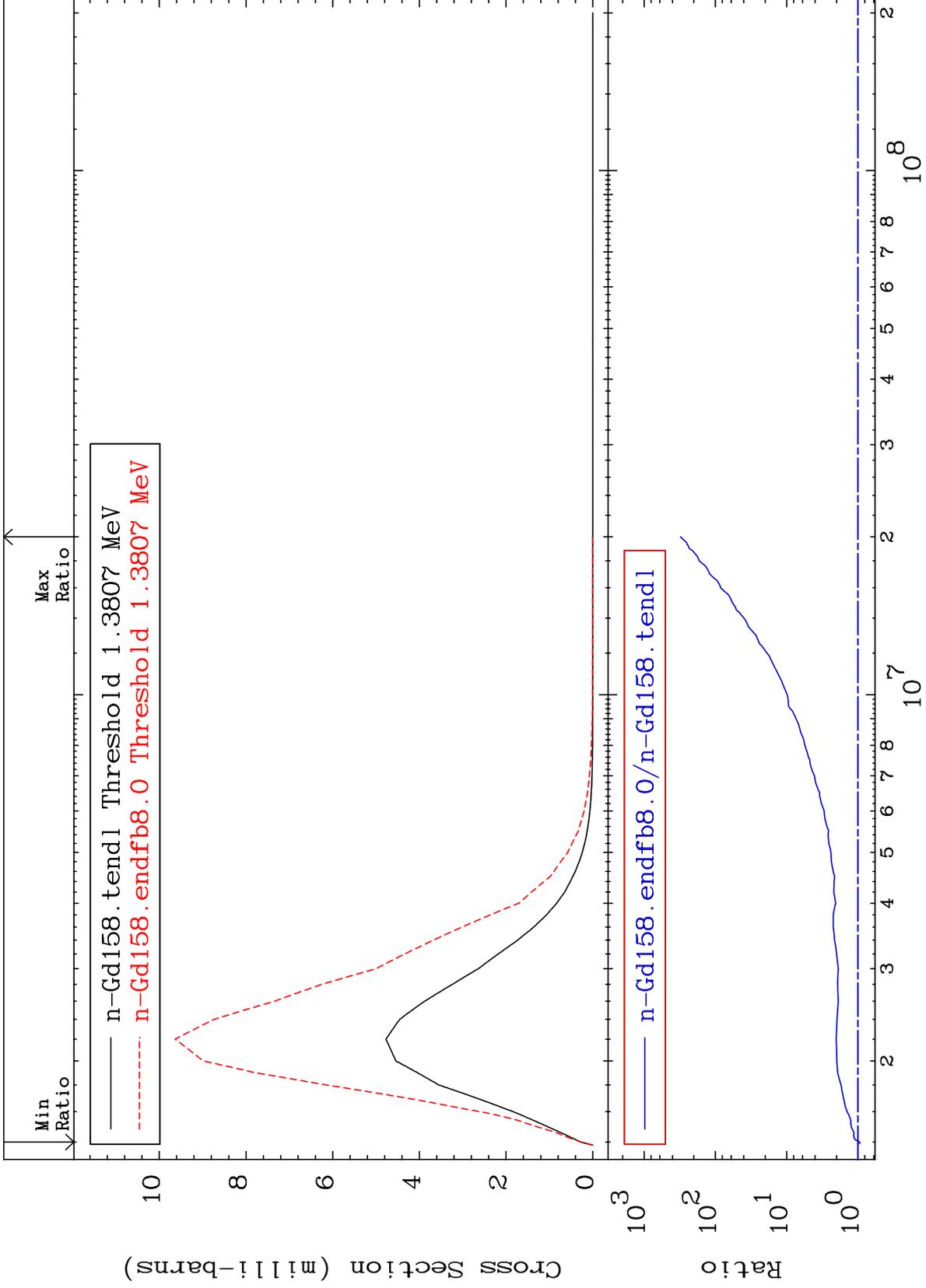
64-Gd-158
-100.0 To 39.98 %



MAT 6443

MT= 67 (n,n') Level
Cross Section

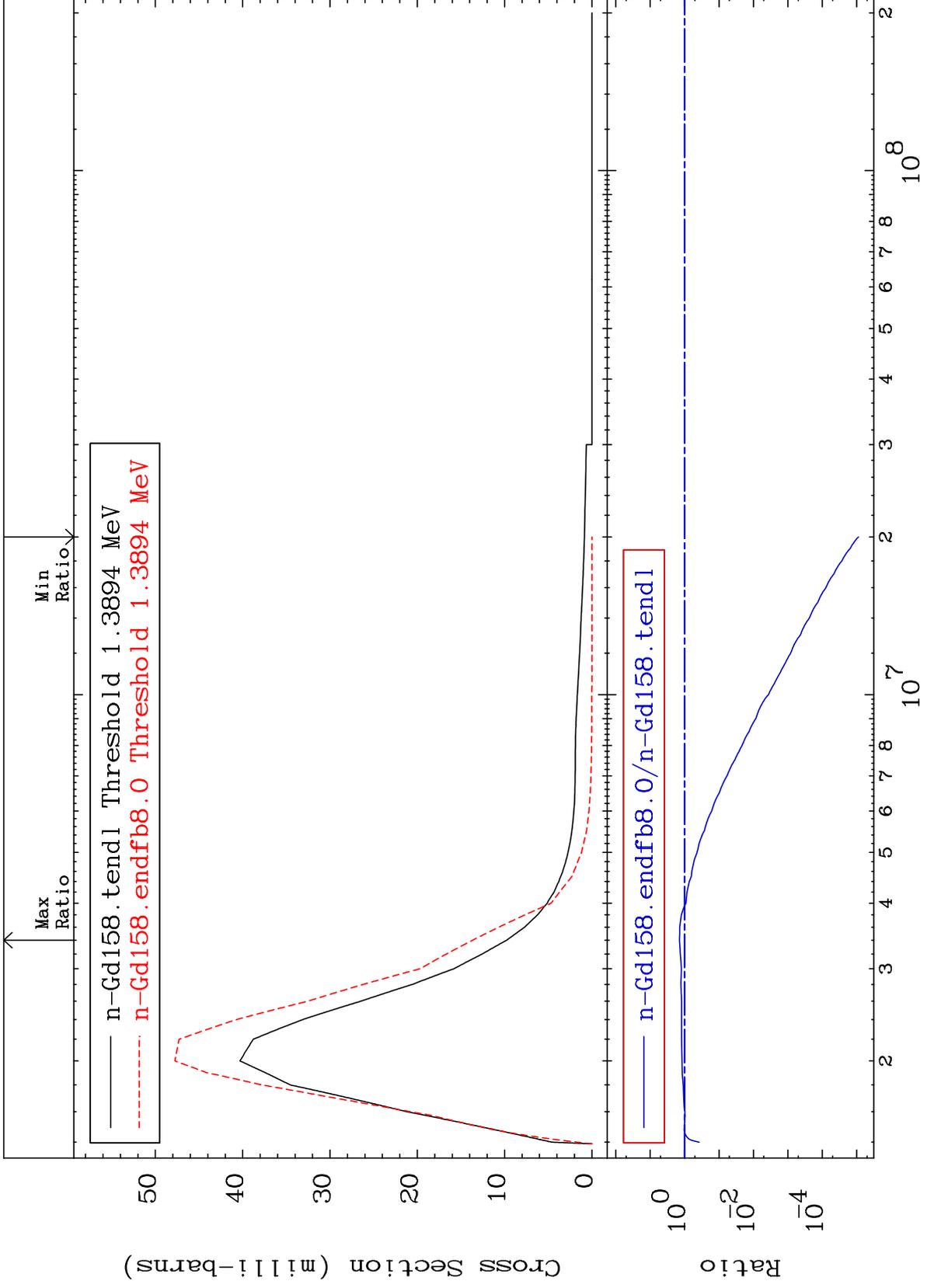
64-Gd-158
-5.675 To 9999. %



MAT 6443

MT= 68 (n,n') Level
Cross Section

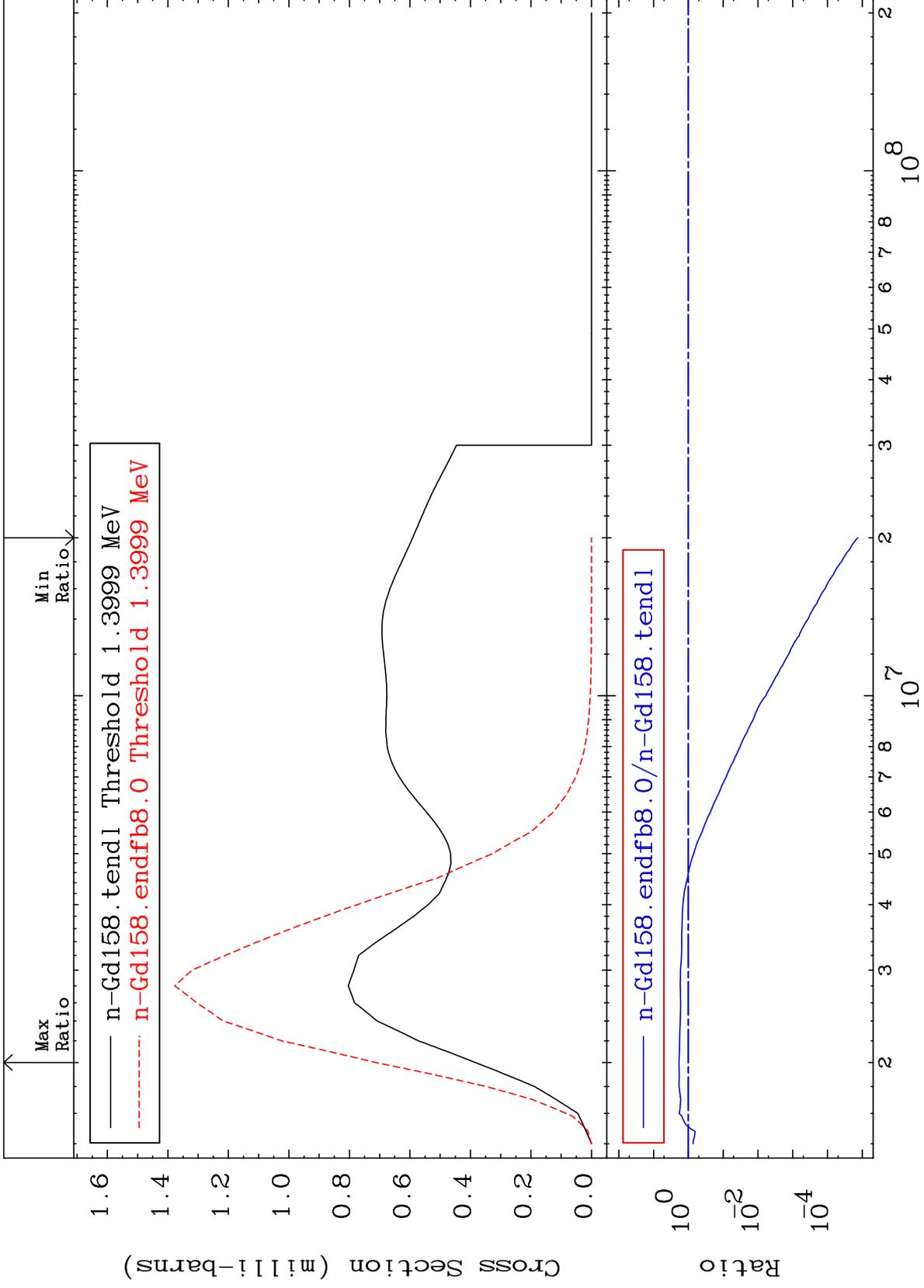
64-Gd-158
-100.0 To 40.05 %



MAT 6443

MT= 69 (n,n') Level
Cross Section

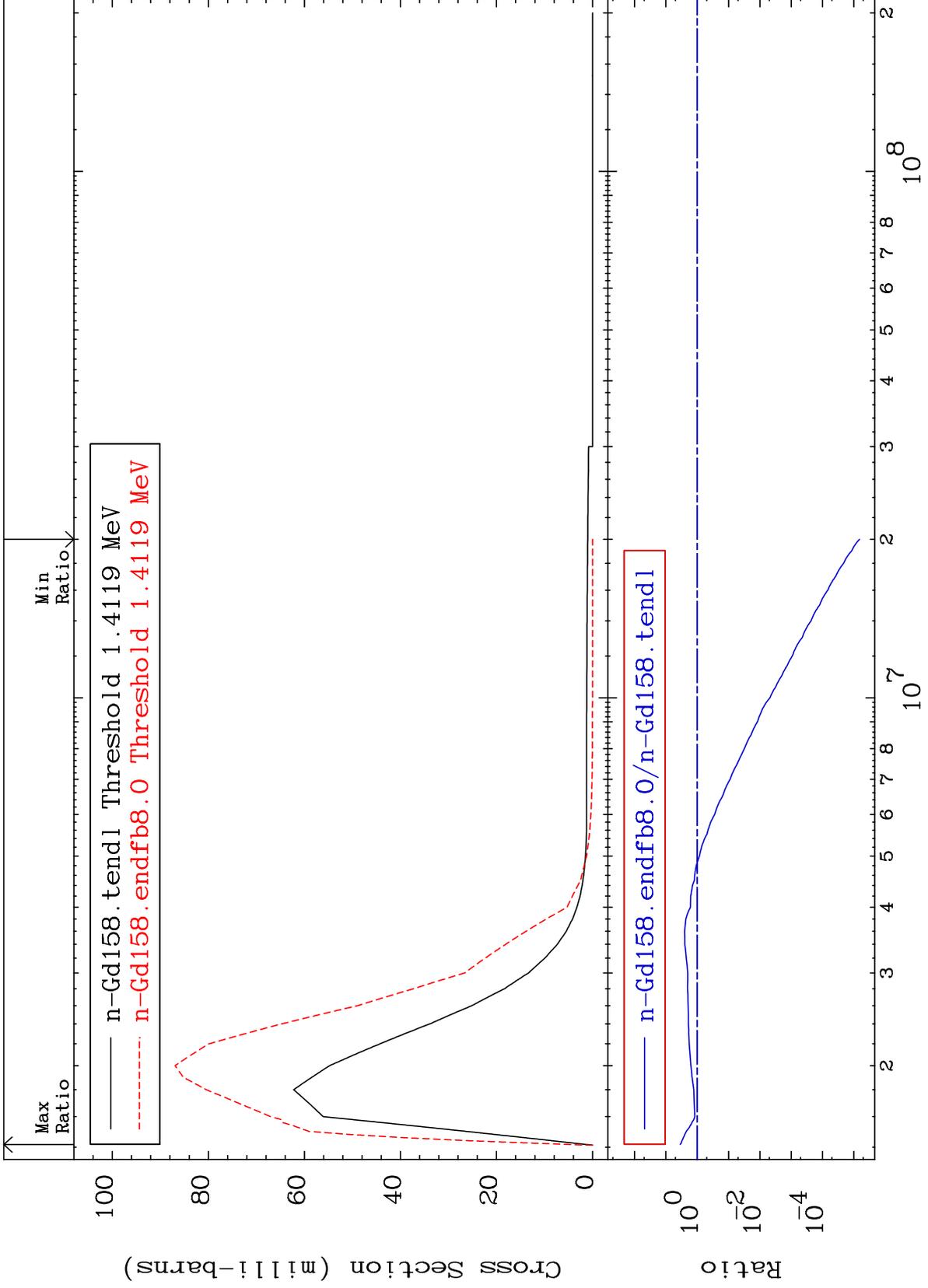
64-Gd-158
-100.0 To 85.54 %



MAT 6443

MT= 70 (n,n') Level
Cross Section

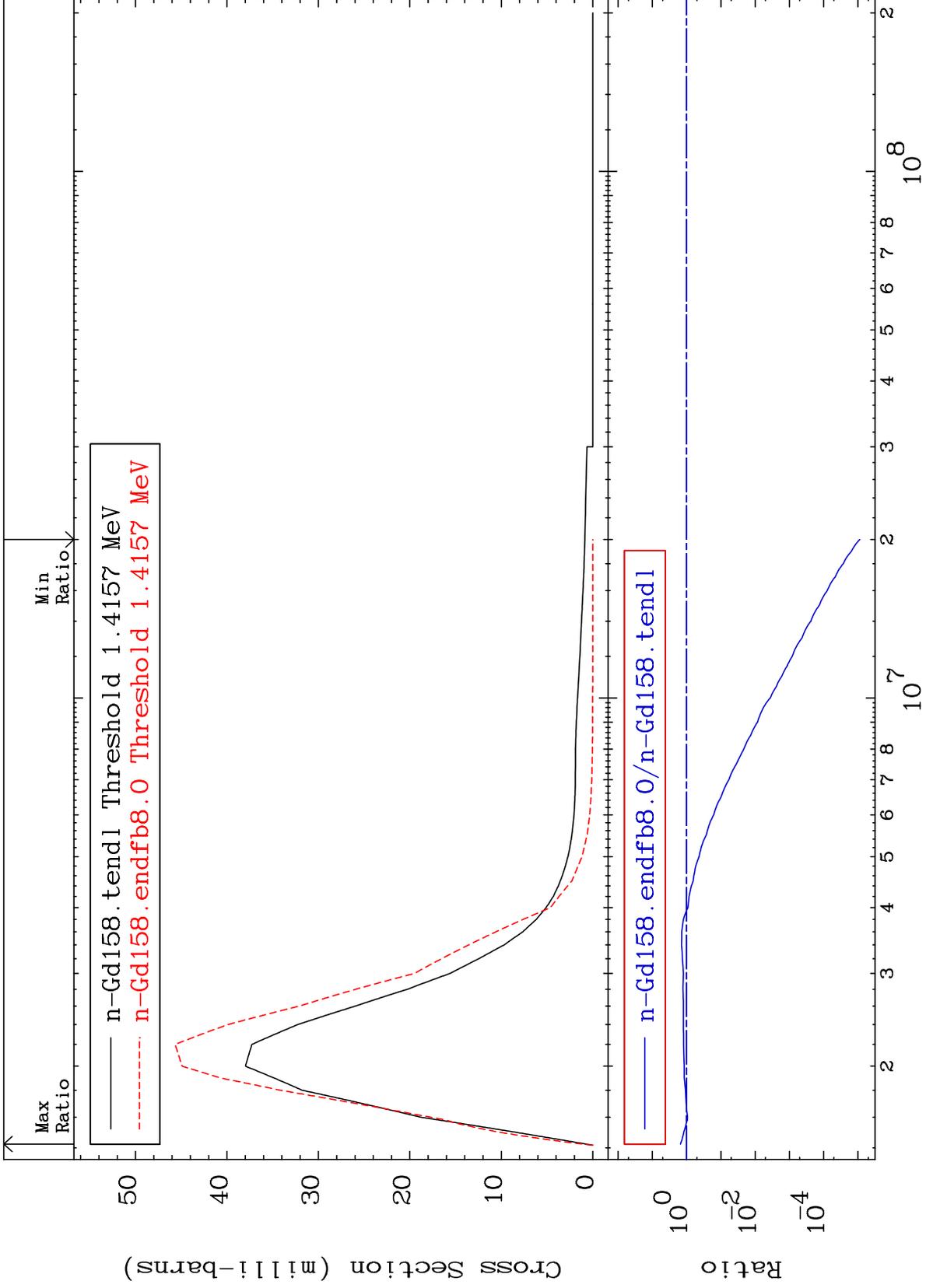
64-Gd-158
-100.0 To 248.1 %



MAT 6443

MT= 71 (n,n') Level
Cross Section

64-Gd-158
-100.0 To 50.69 %



30

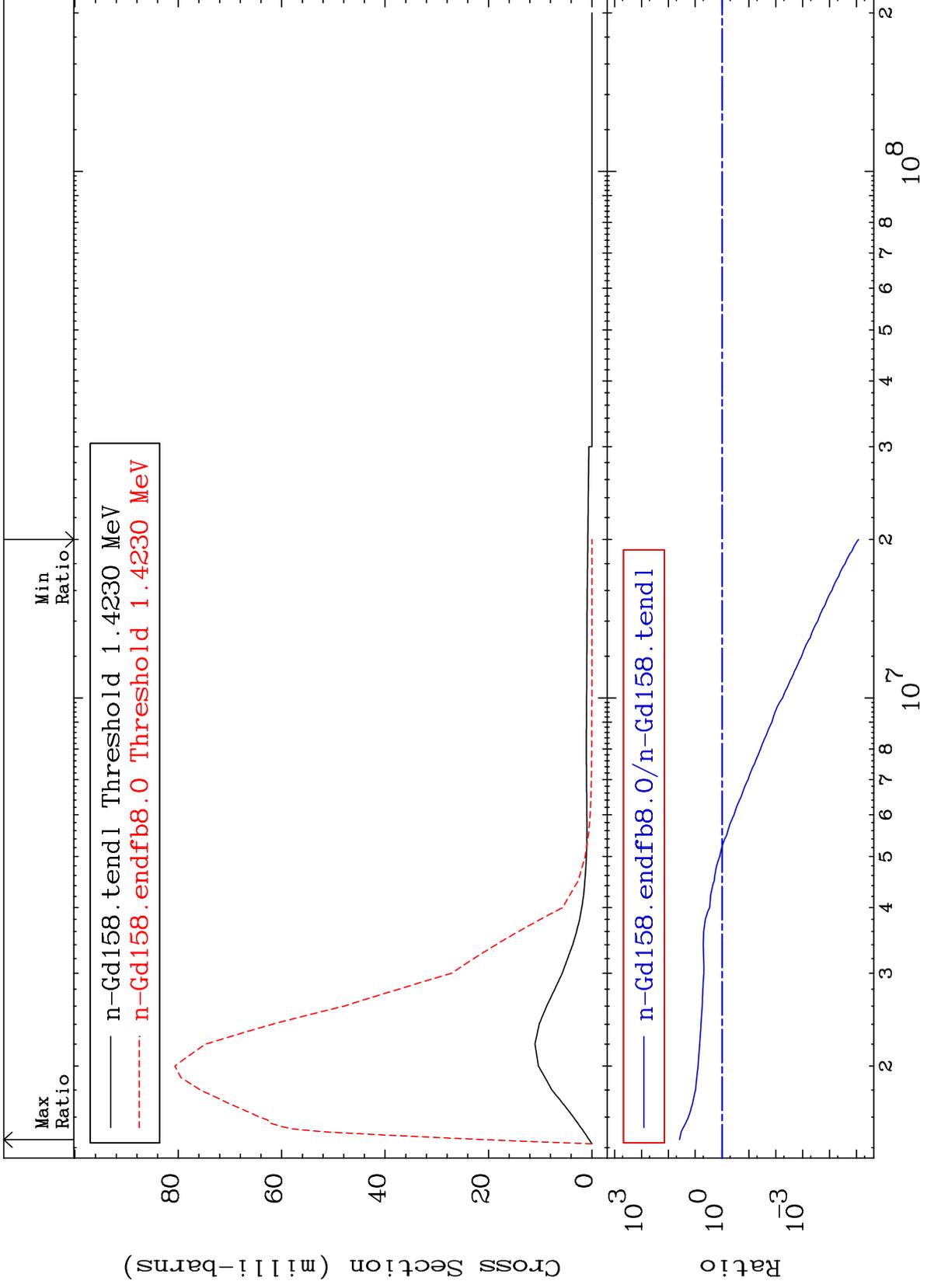
64-Gd-158

64-Gd-158

MAT 6443

MT= 72 (n,n') Level
Cross Section

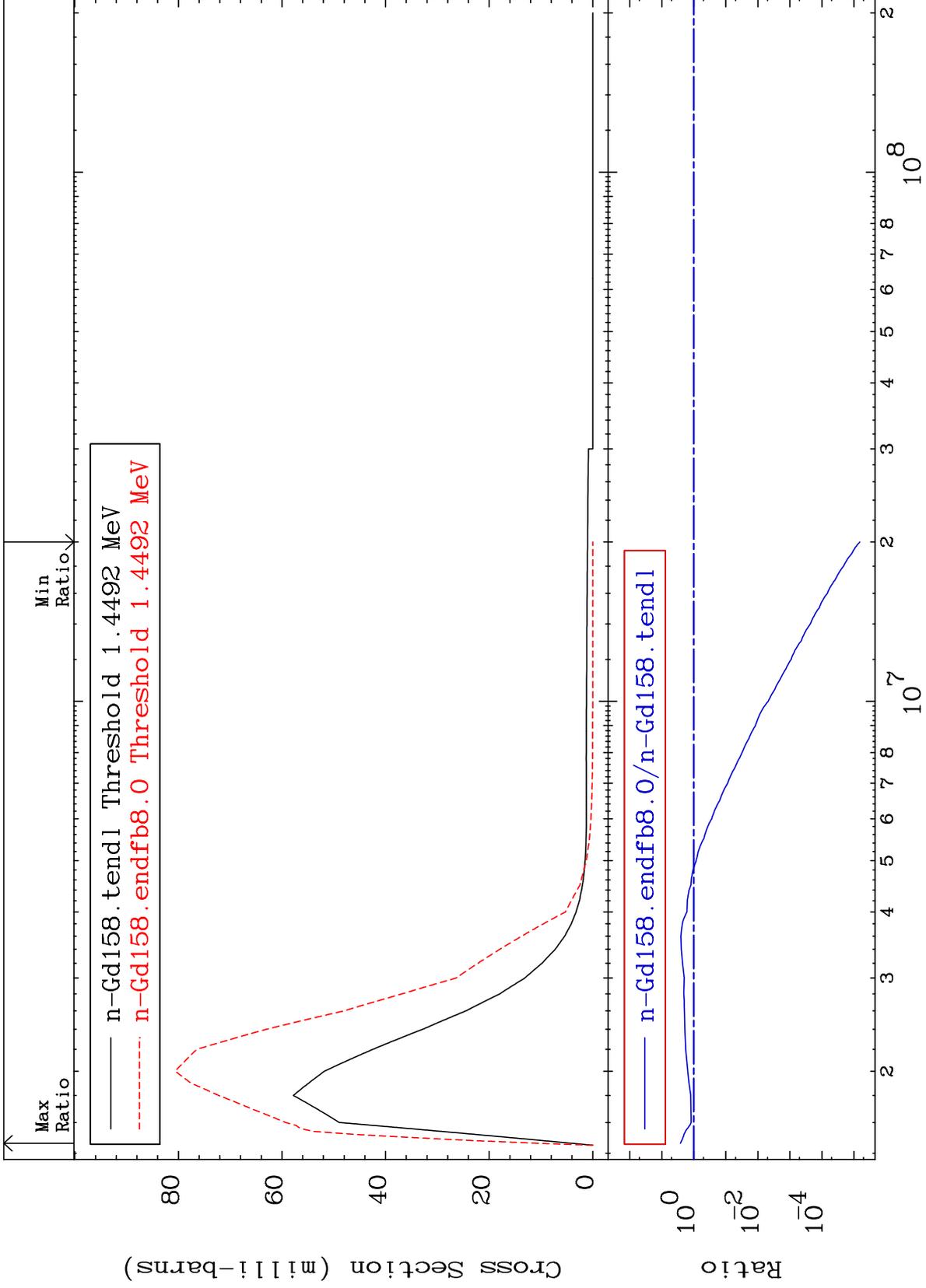
64-Gd-158
-100.0 To 3733. %



MAT 6443

MT= 73 (n,n') Level
Cross Section

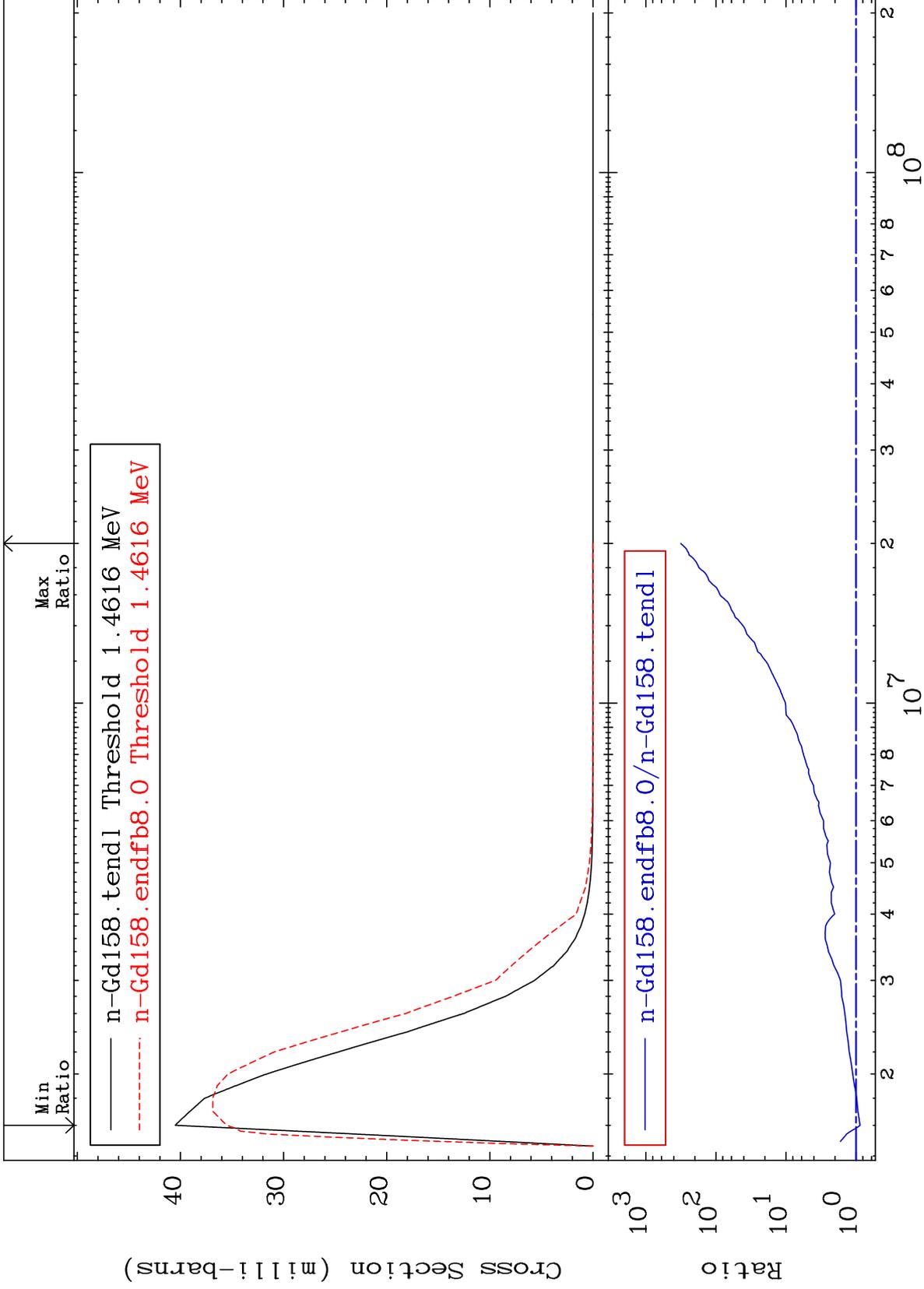
64-Gd-158
-100.0 To 160.7 %



MAT 6443

MT= 74 (n,n') Level
Cross Section

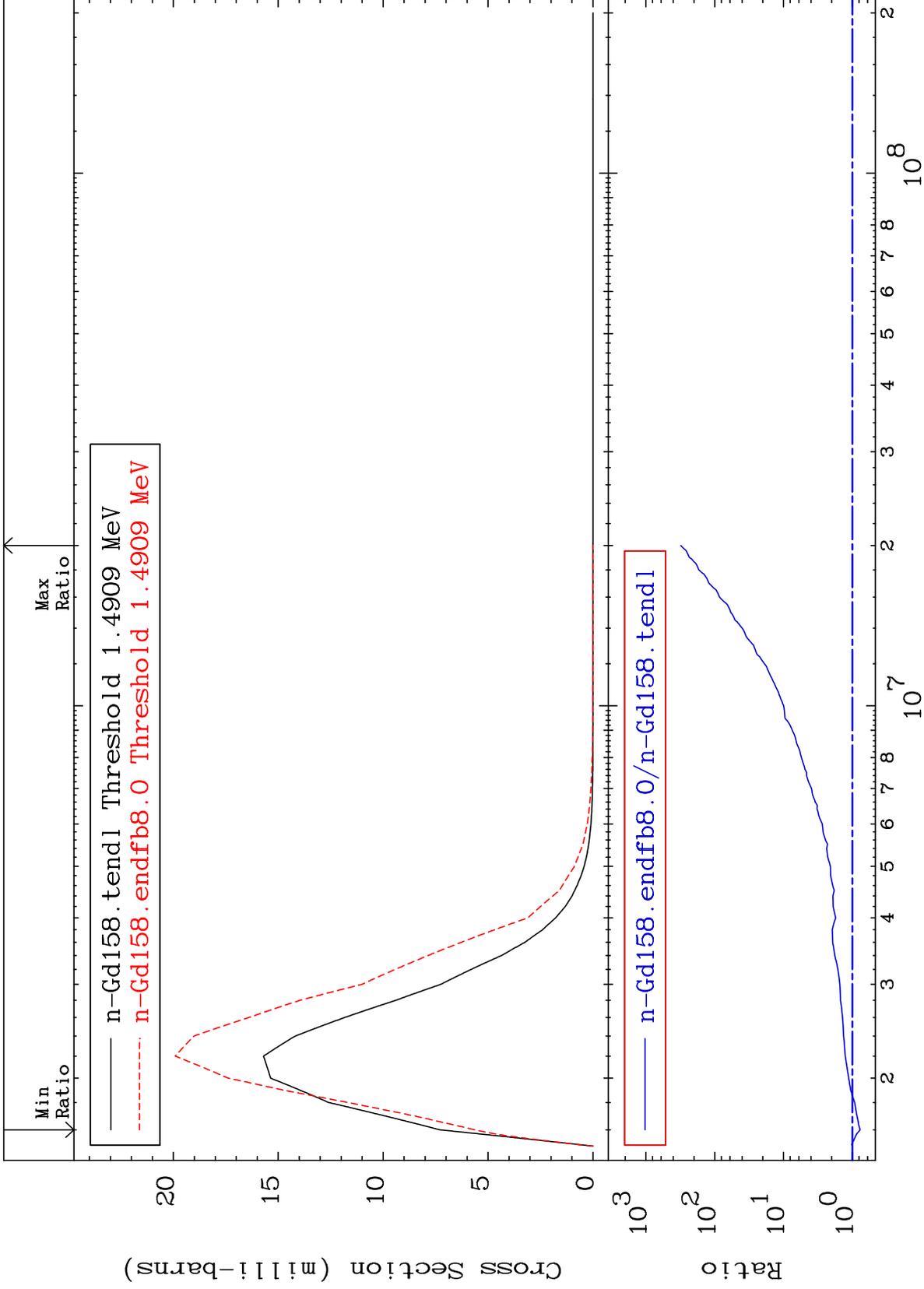
64-Gd-158
-12.29 To 9999. %



MAT 6443

MT= 75 (n,n') Level
Cross Section

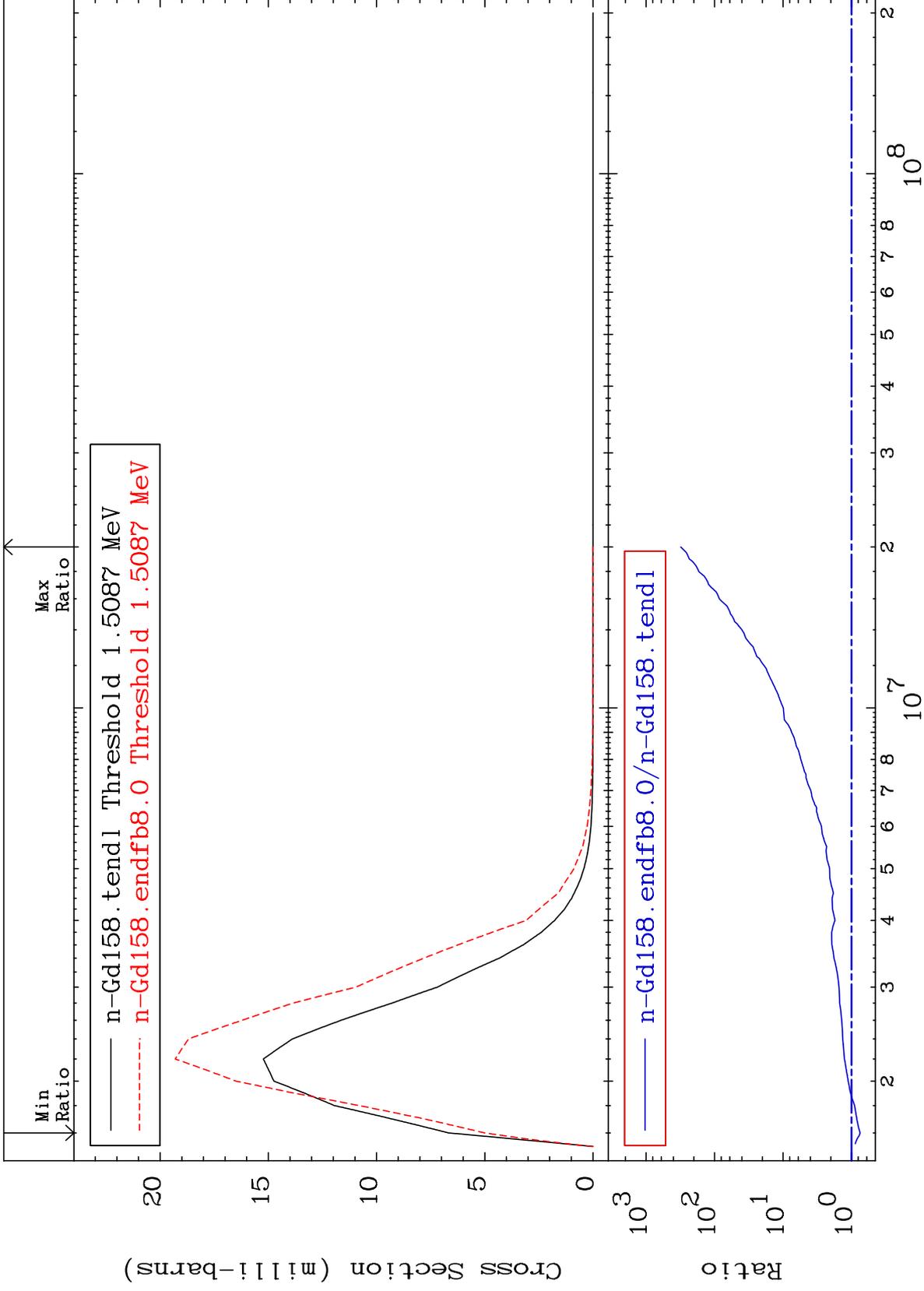
64-Gd-158
-22.72 To 9999. %



MAT 6443

MT= 76 (n,n') Level
Cross Section

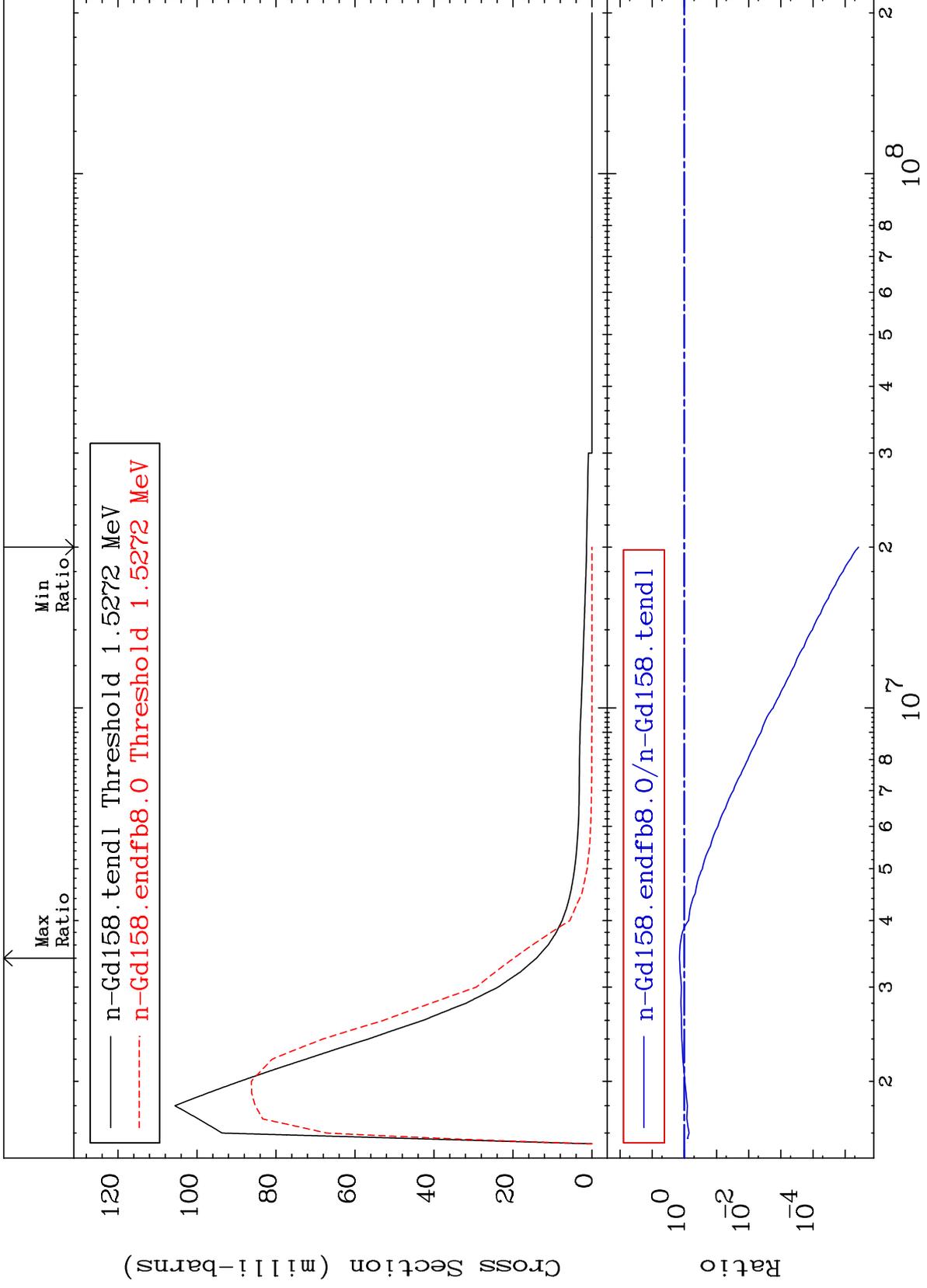
64-Gd-158
-24.91 To 9999. %



MAT 6443

MT= 77 (n, n') Level
Cross Section

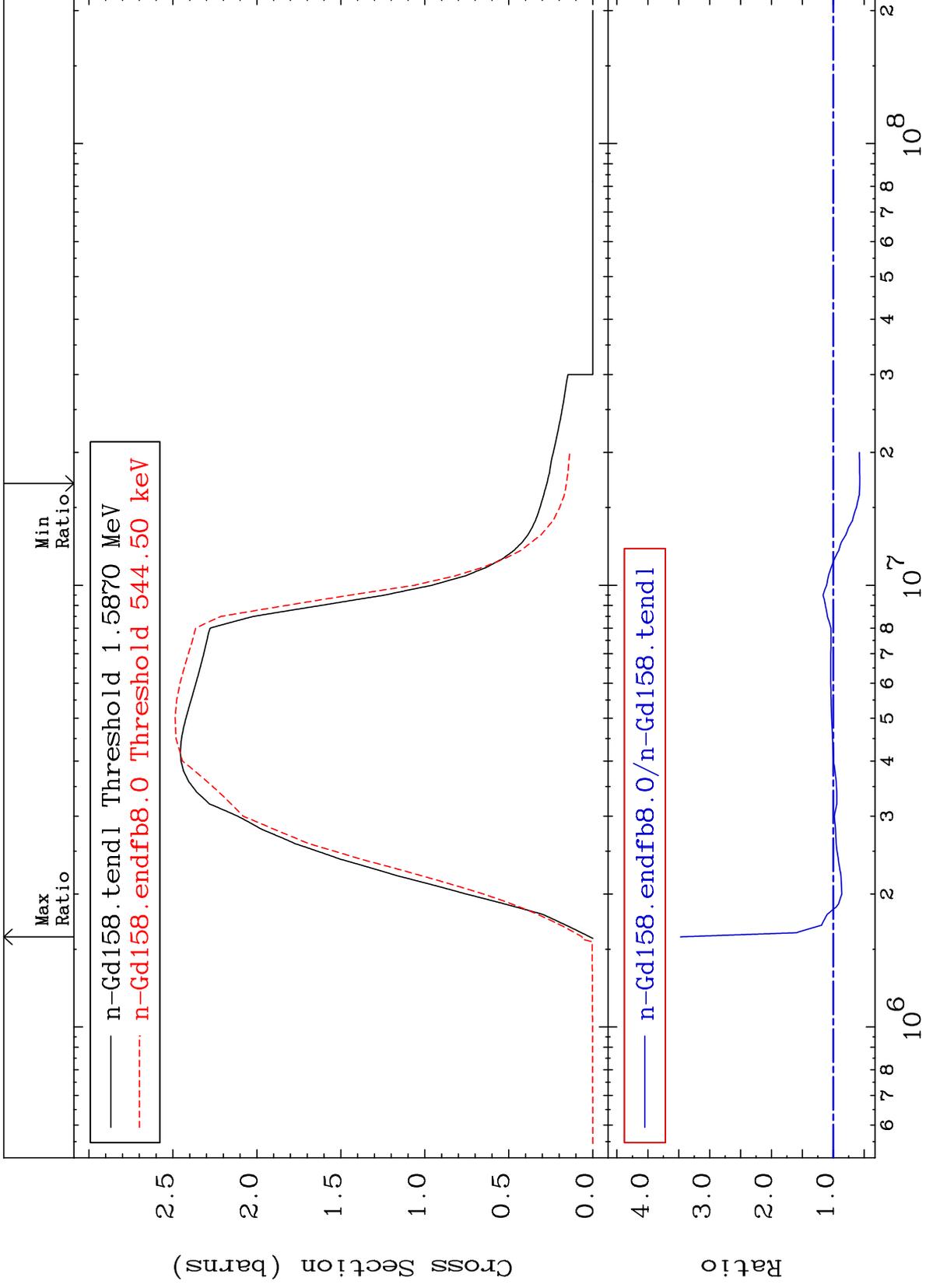
64-Gd-158
-100.0 To 41.31 %



MAT 6443

(n, n') Continuum
Cross Section

64-Gd-158
-42.81 To 247.1 %



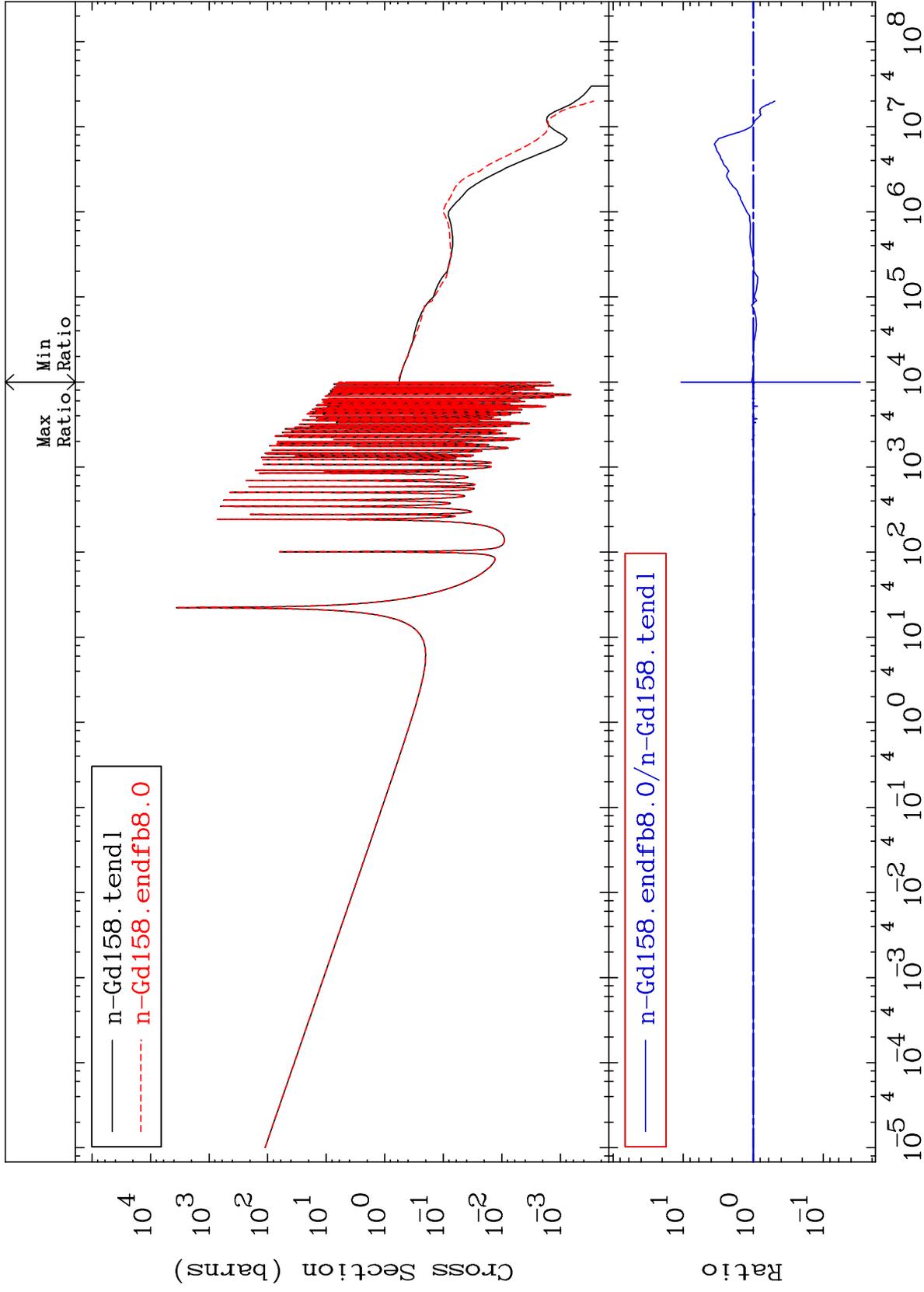
MAT 6443

(n, γ)

64-Gd-158

Cross Section

-97.03 To 971.0 %



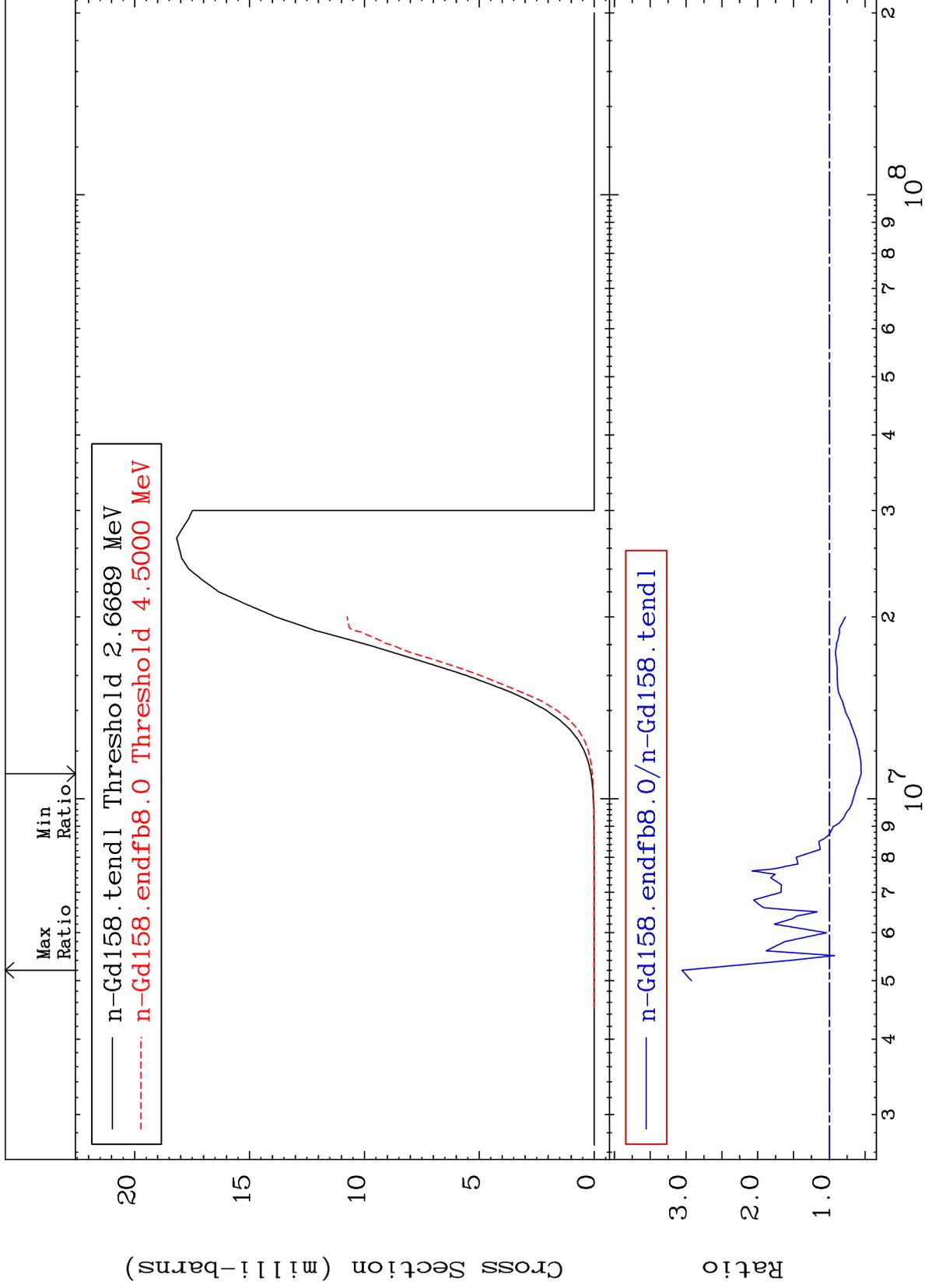
MAT 6443

(n, p)

64-Gd-158

Cross Section

-44.40 To 205.7 %



39

64-Gd-158

64-Gd-158

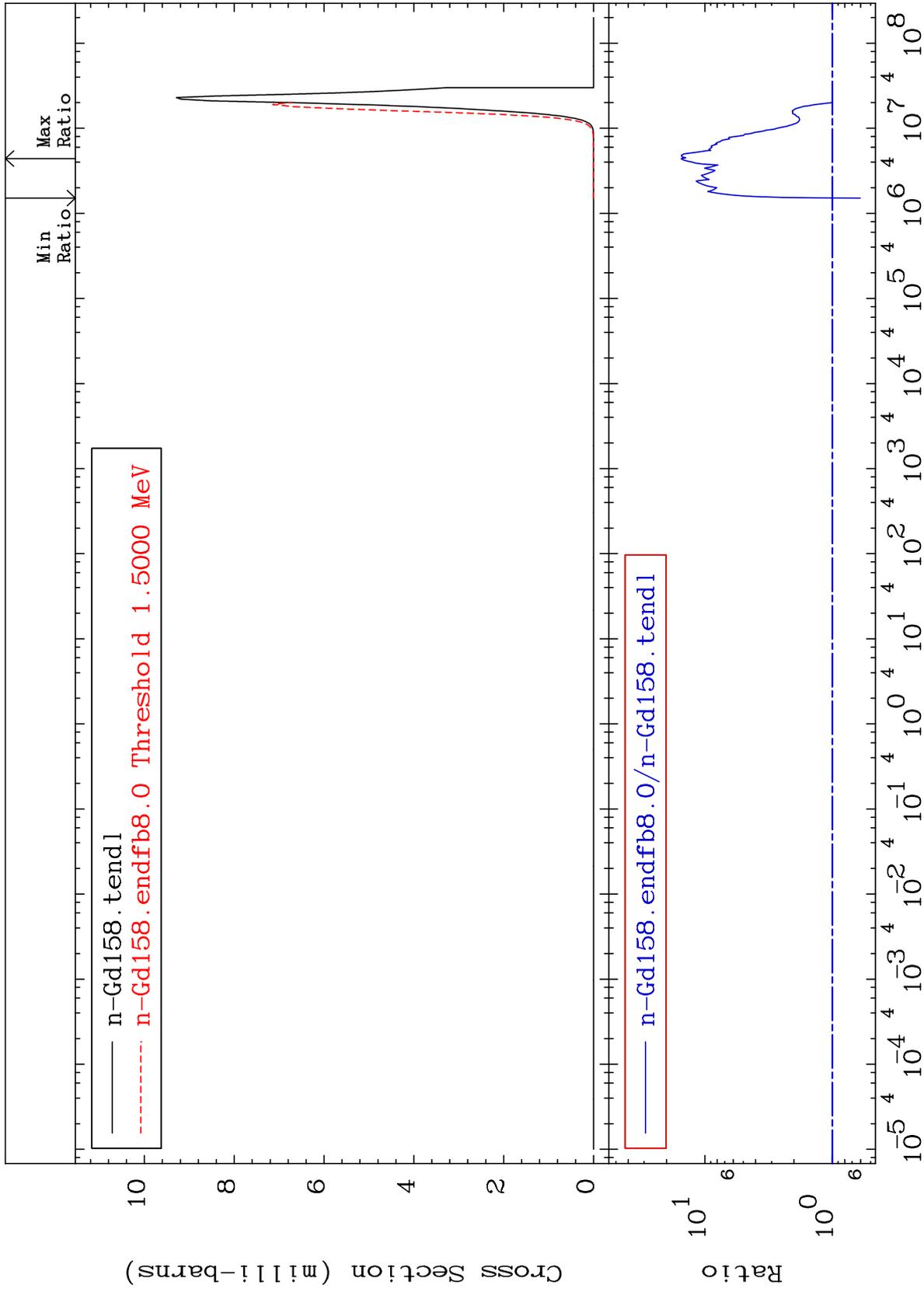
MAT 6443

(n, α)

64-Gd-158

Cross Section

-39.54 To 1436. %



40

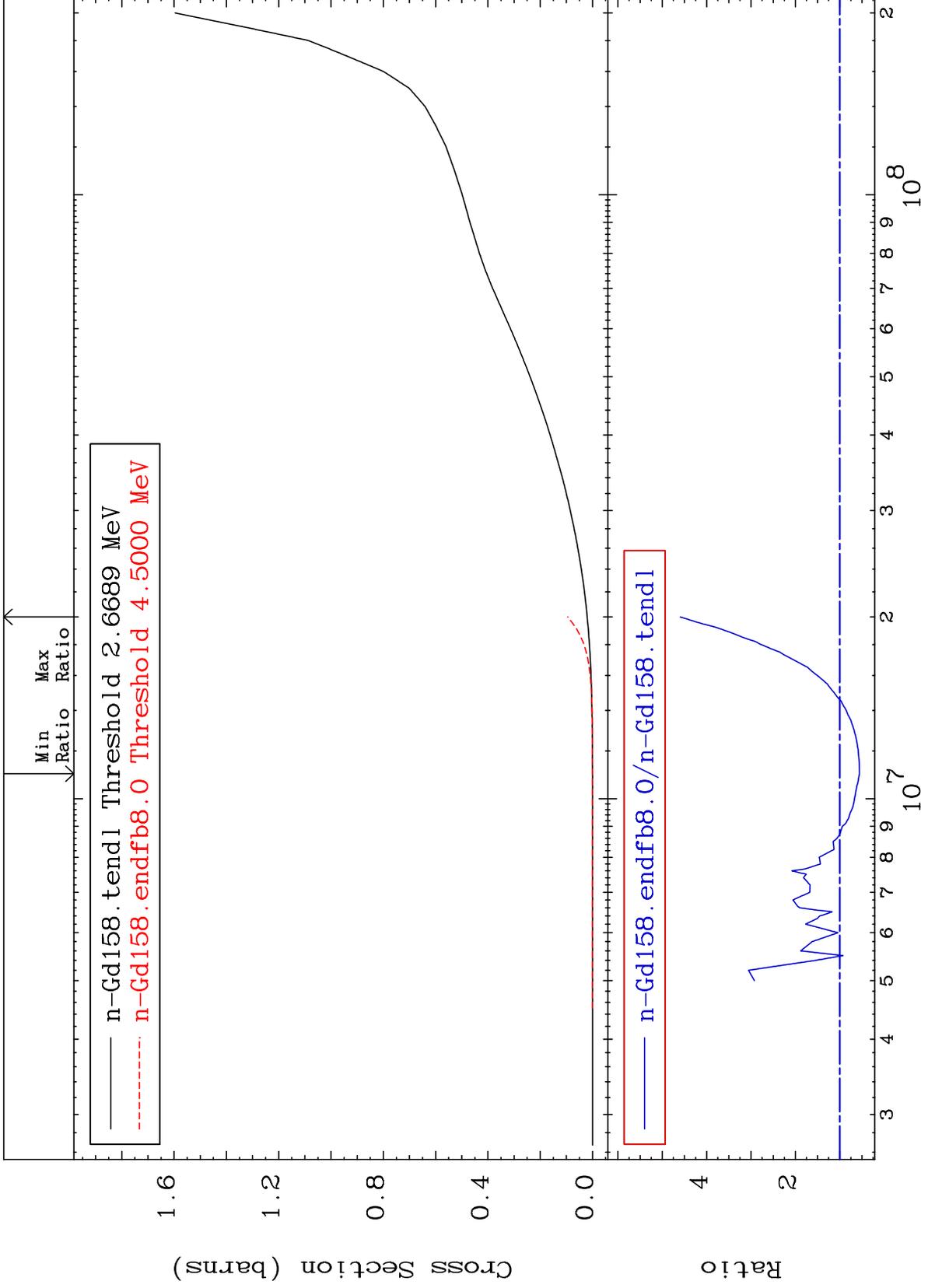
Incident Energy (eV)

64-Gd-158

MAT 6443

Hydrogen Production
Cross Section

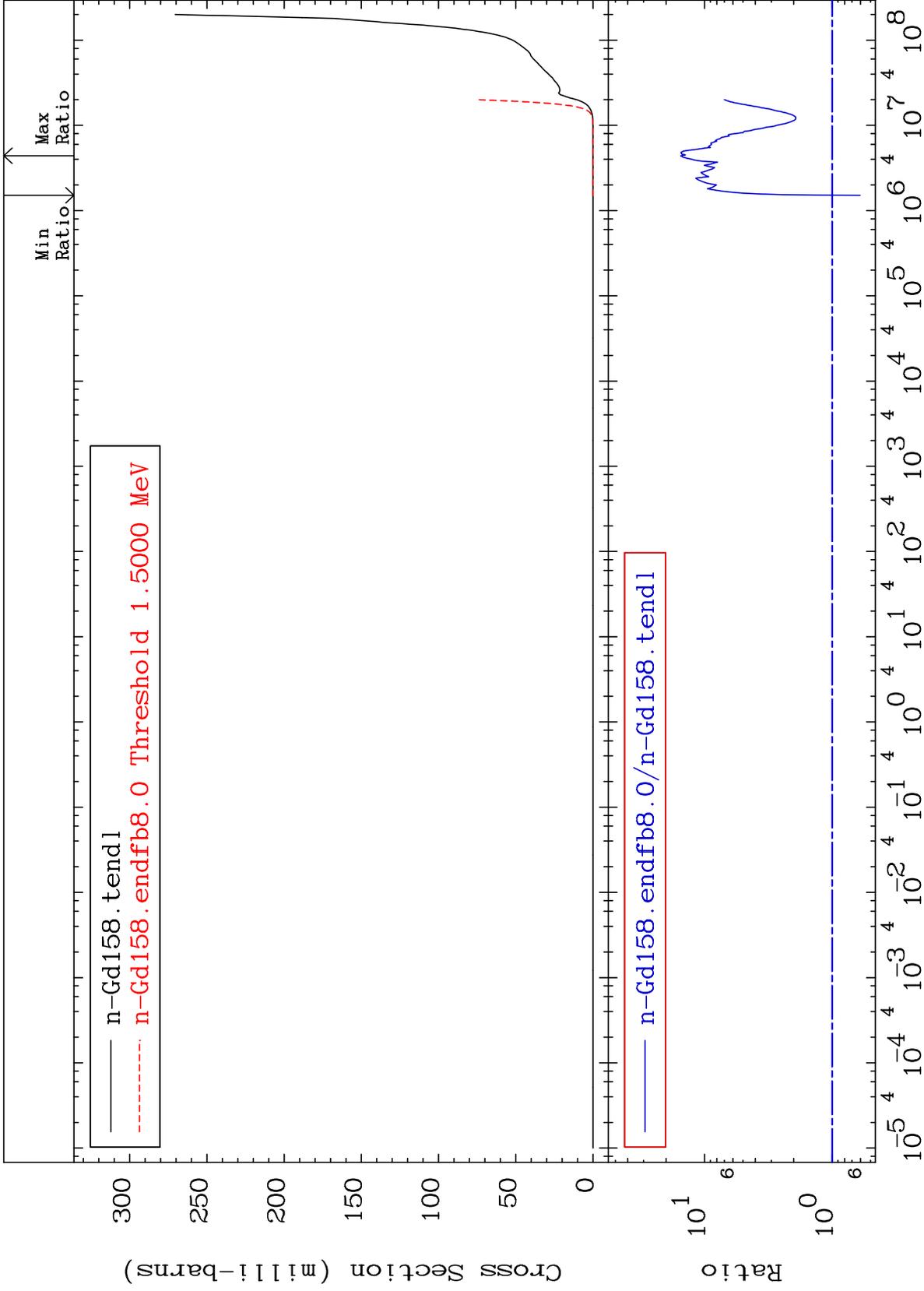
64-Gd-158
-44.40 To 359.5 %



MAT 6443

He-4 Production
Cross Section

64-Gd-158
-39.54 To 1436. %



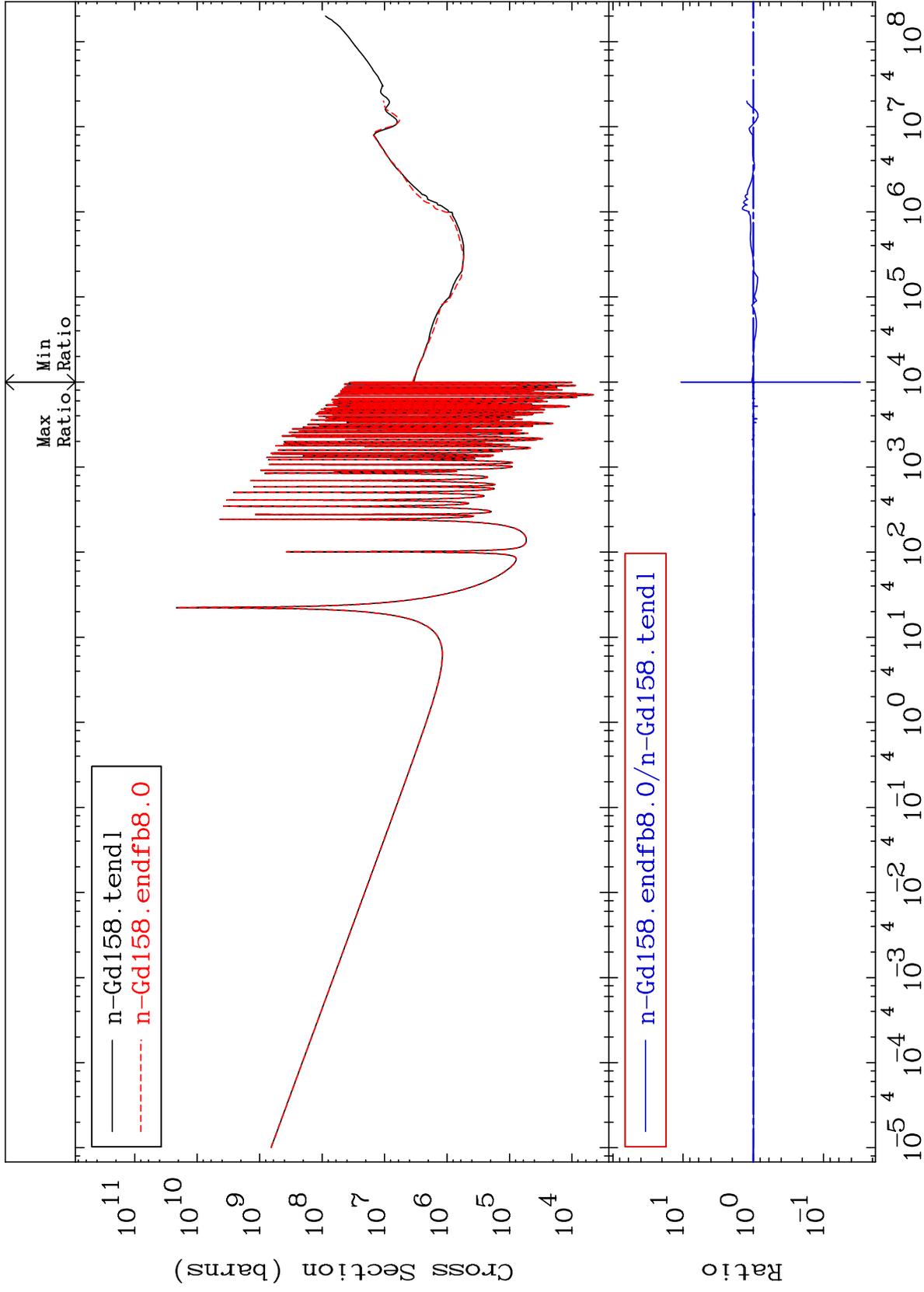
Incident Energy (eV)

64-Gd-158

42

Cross Section

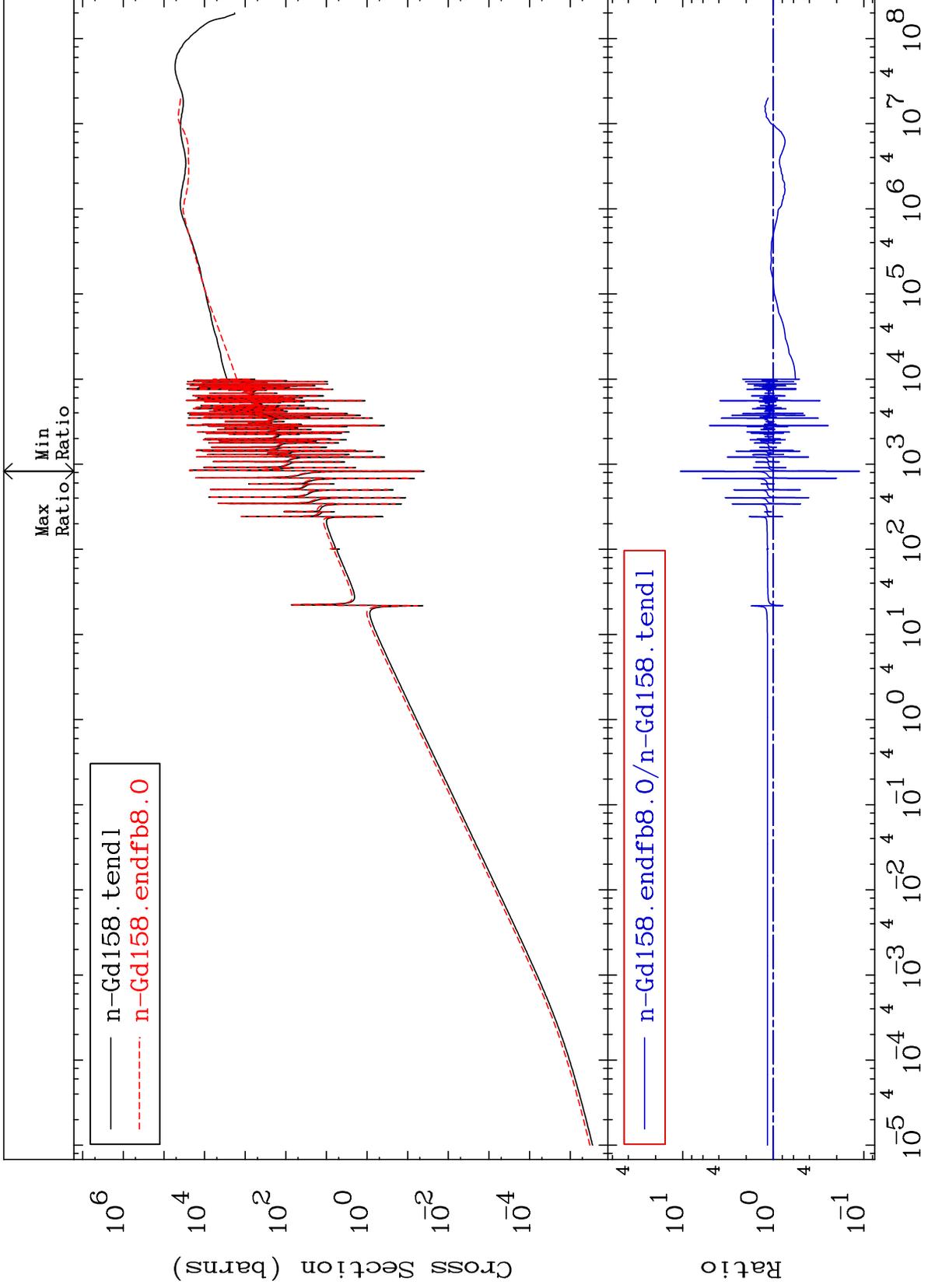
-97.01 To 965.0 %

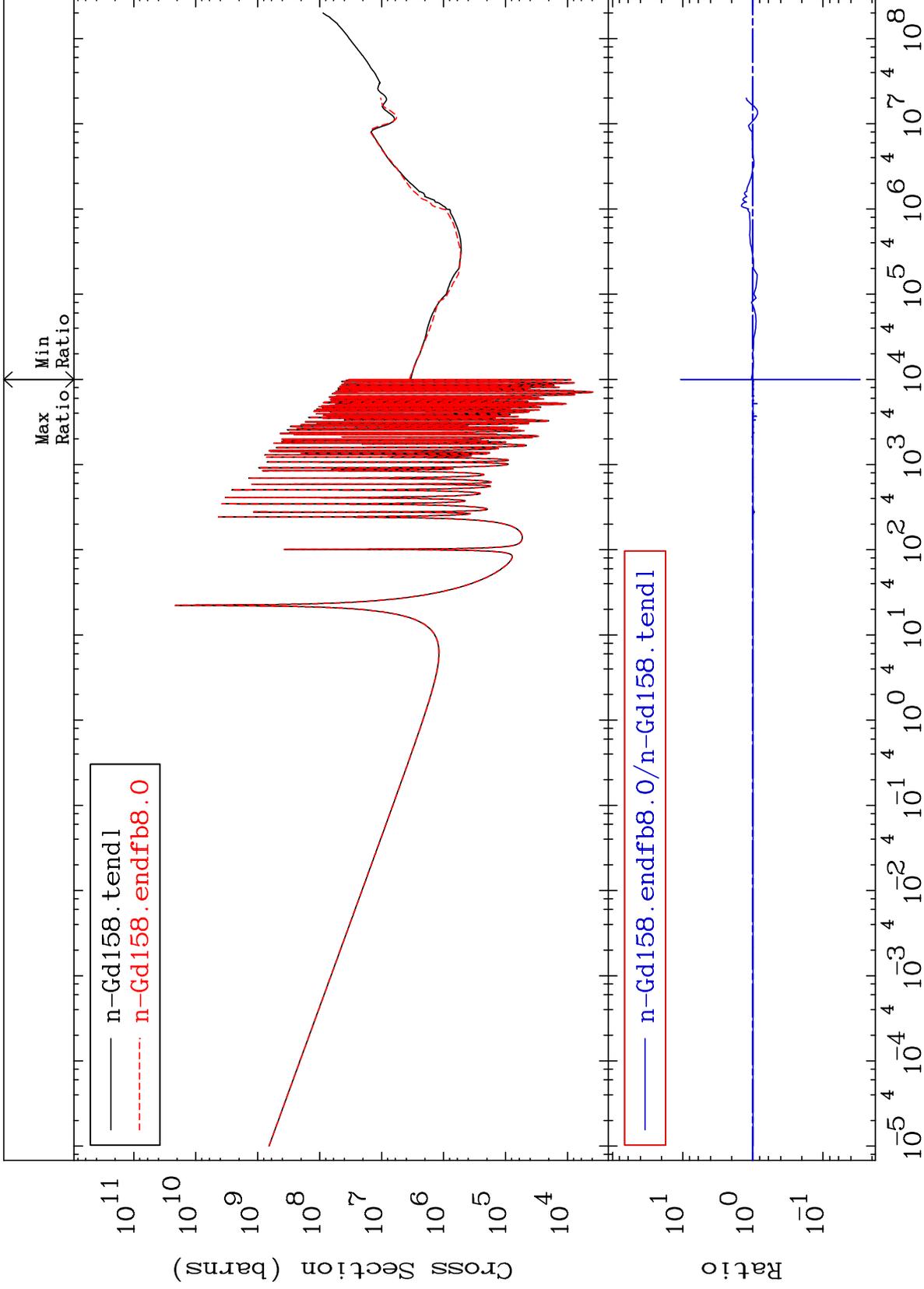


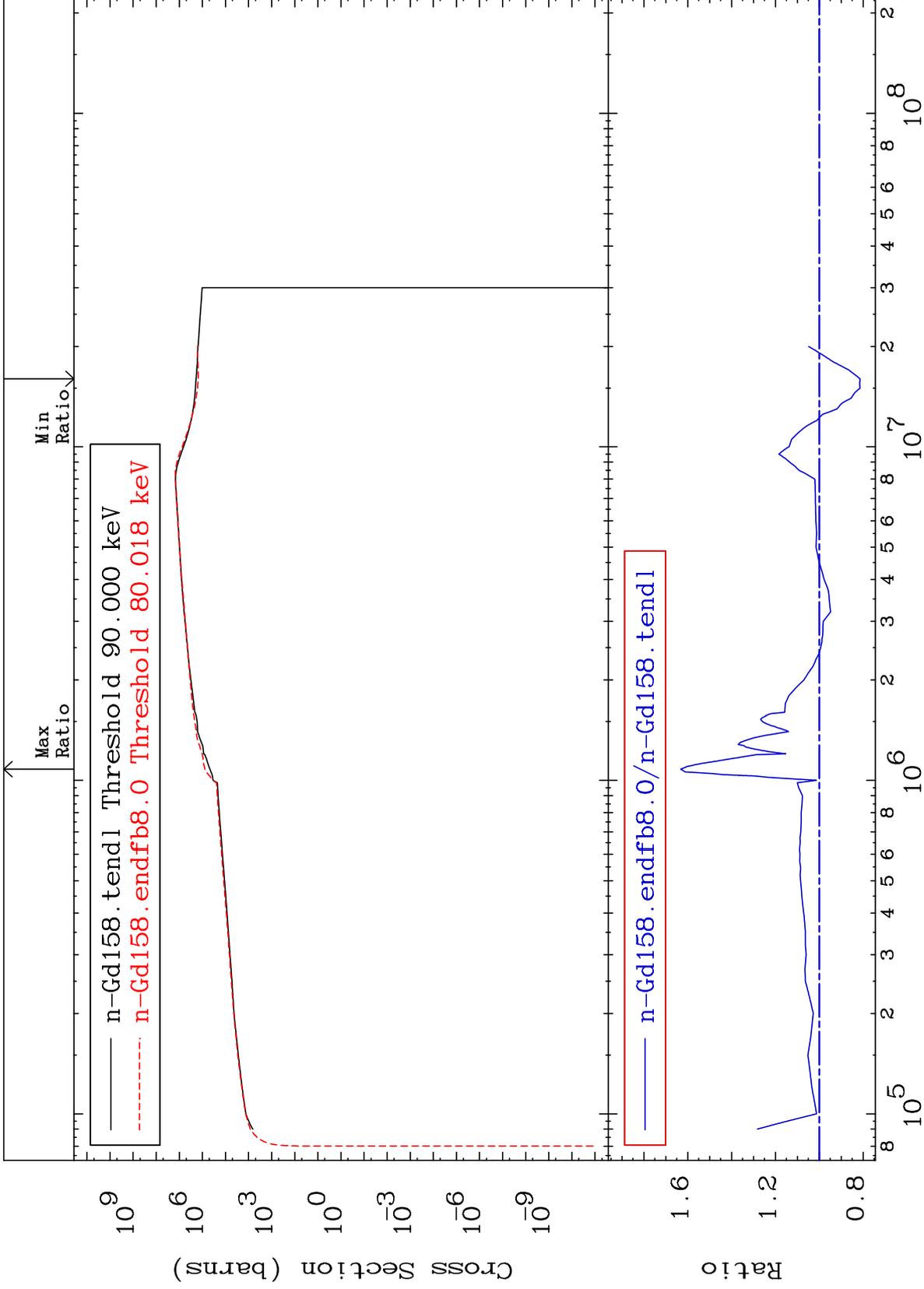
MAT 6443

Kerma elastic
Cross Section

64-Gd-158
-88.80 To 967.3 %



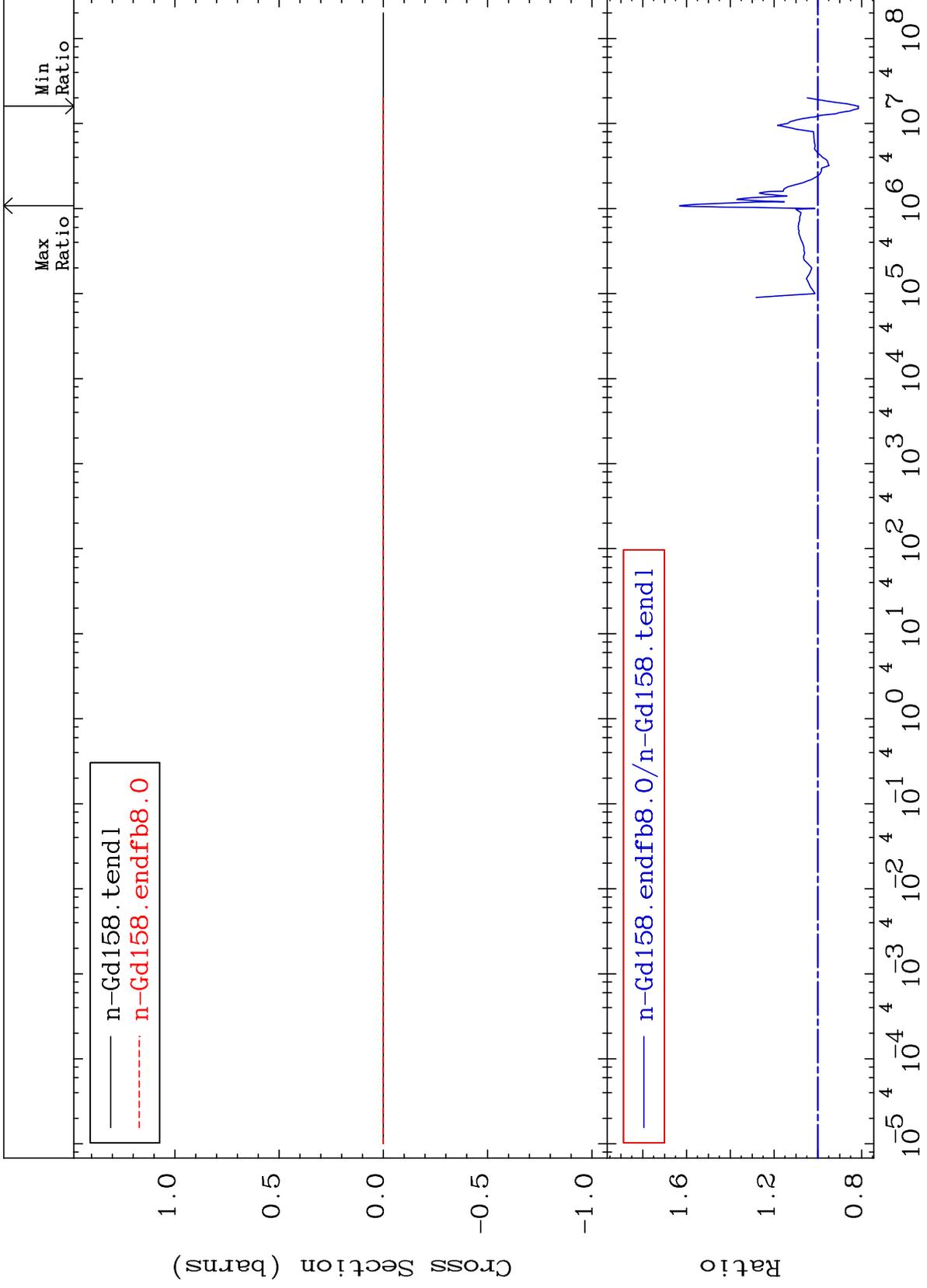




MAT 6443

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

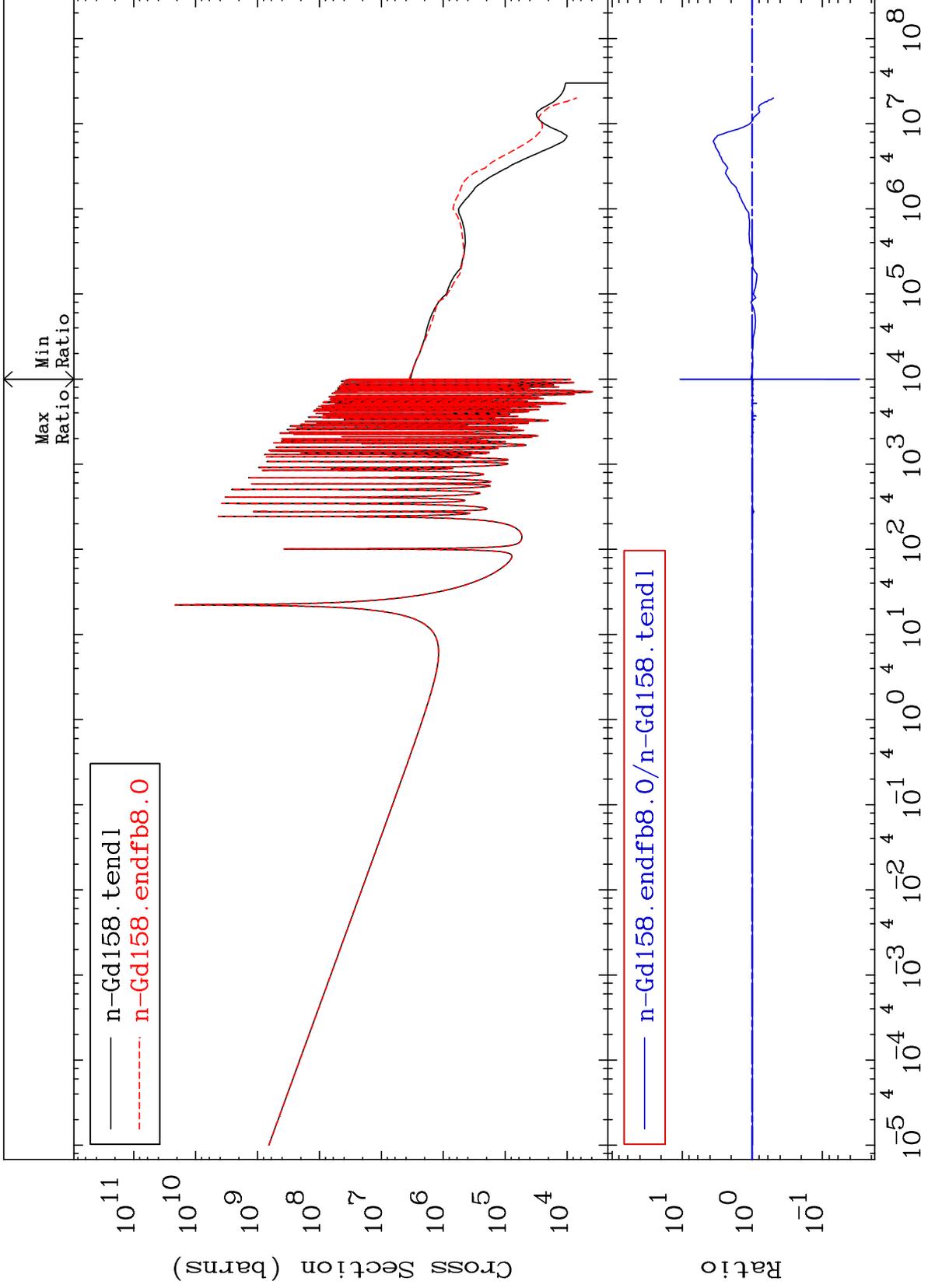
64-Gd-158
-18.58 To 63.19 %



MAT 6443

Kerma capture (mt102)
Cross Section

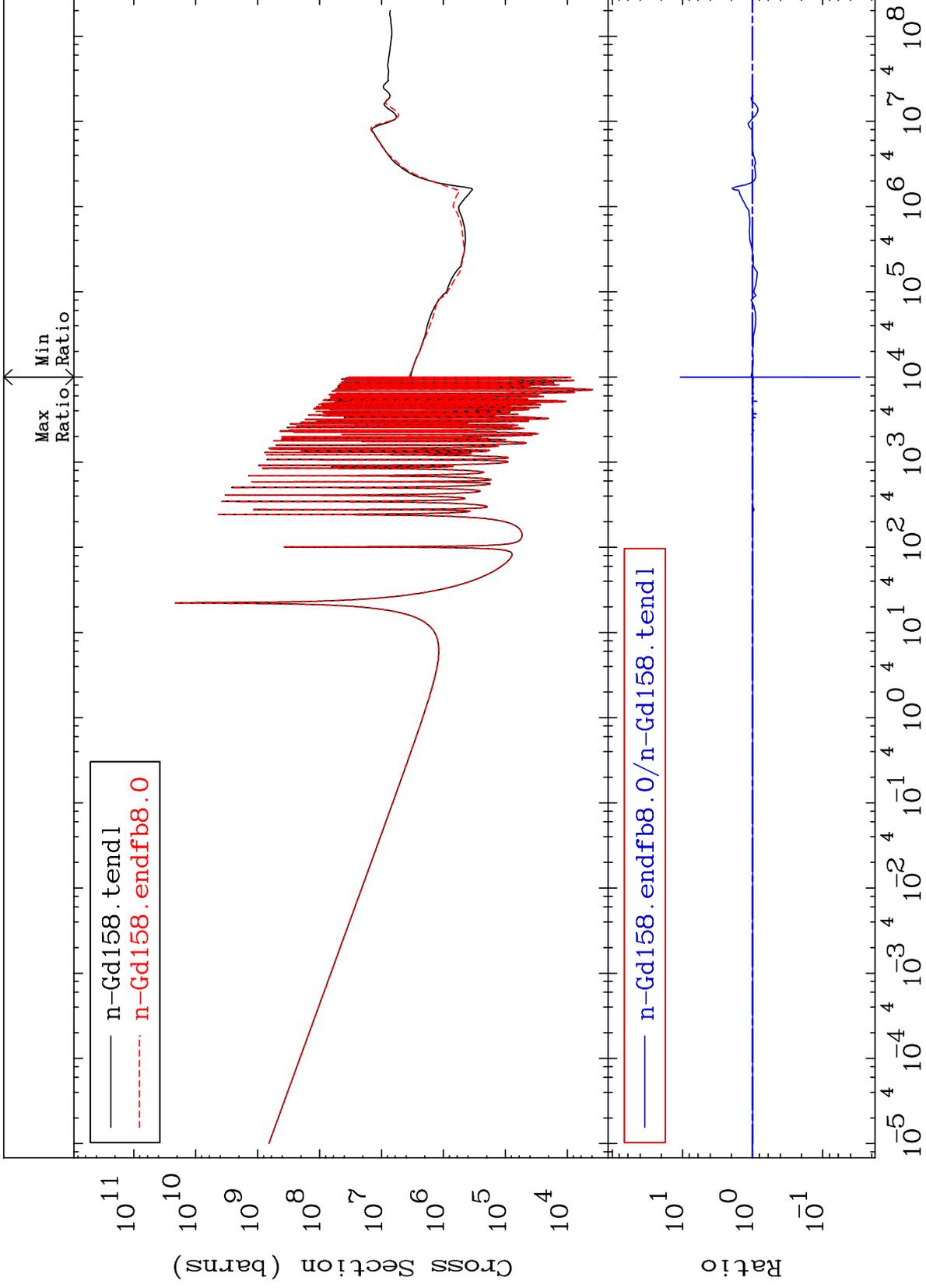
64-Gd-158
-97.05 To 965.7 %

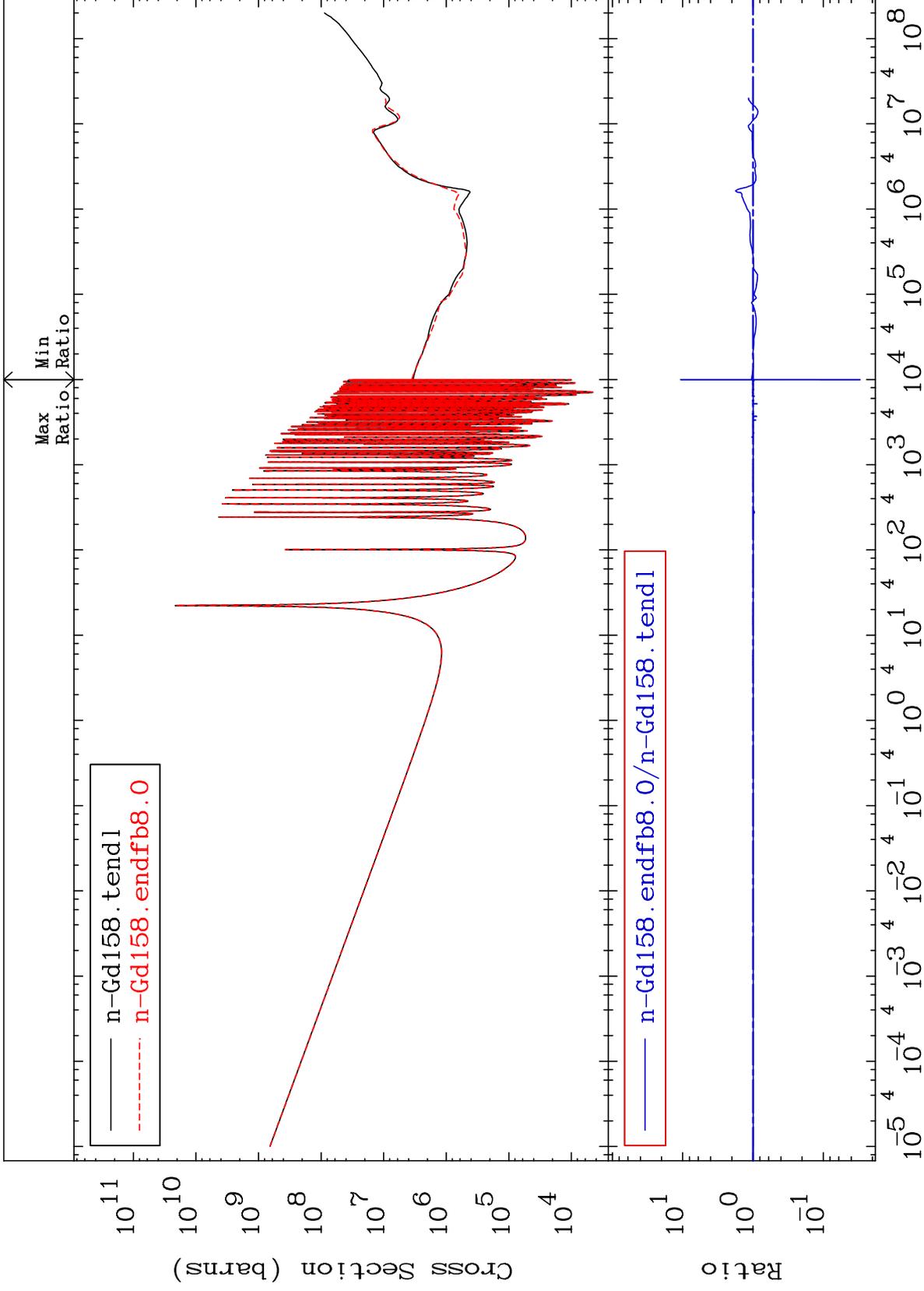


MAT 6443

Total photon (eV-barns)
Cross Section

64-Gd-158
-97.05 To 965.7 %

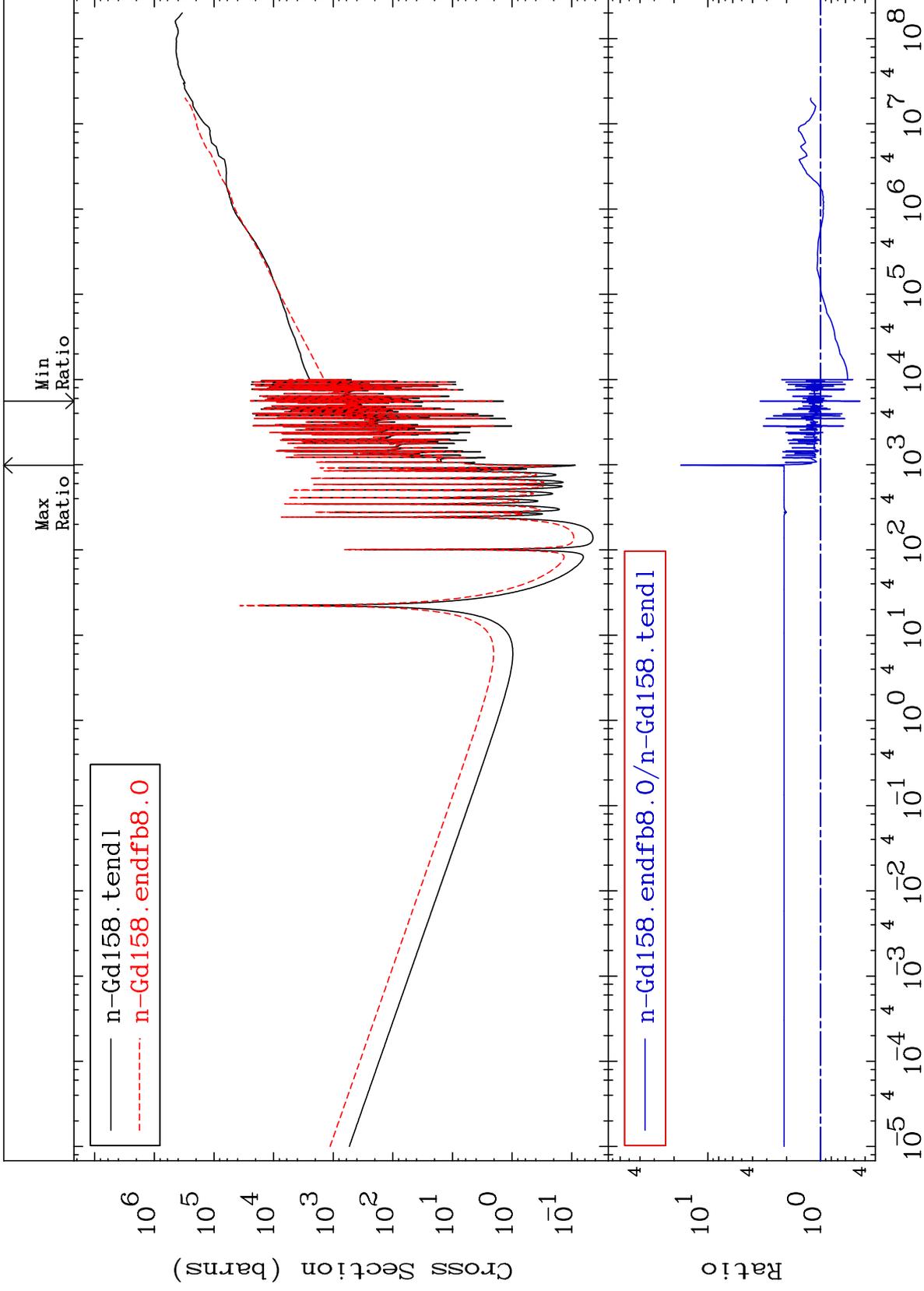




MAT 6443

Dpa total (eV-barns)
Cross Section

64-Gd-158
-55.60 To 1640. %



51

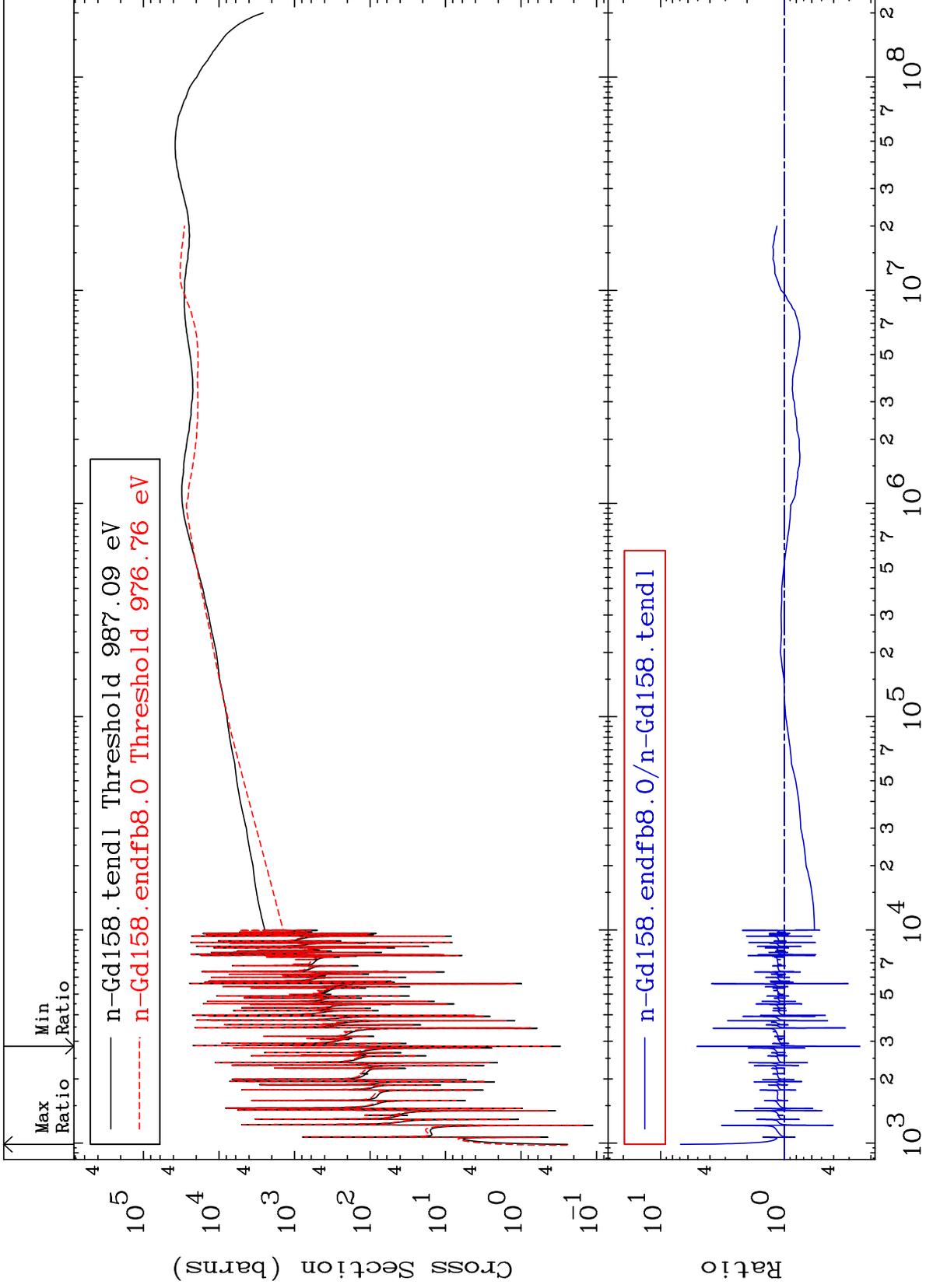
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa elastic (mt2)
Cross Section

64-Gd-158
-75.41 To 590.8 %



52

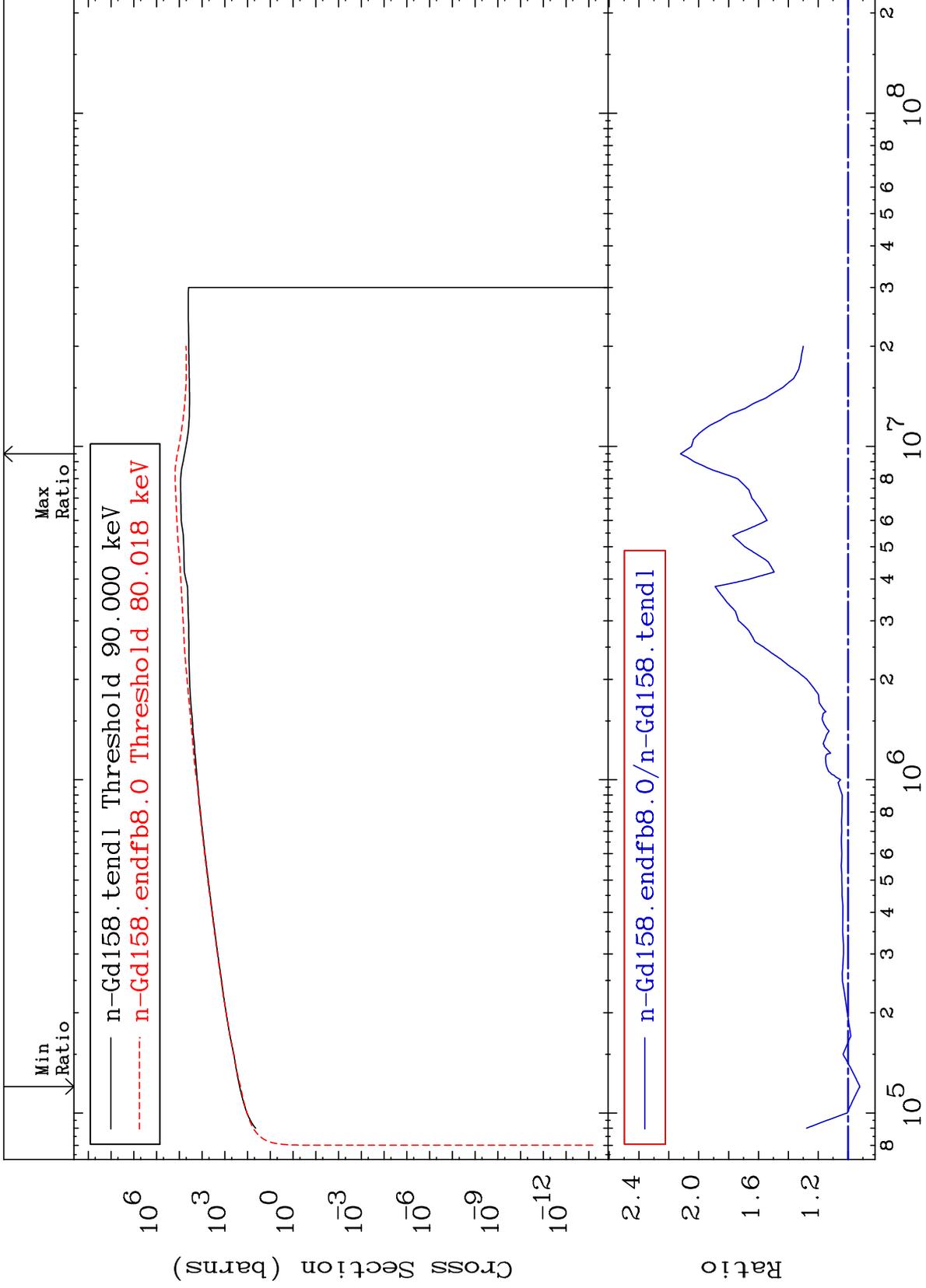
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91)
Cross Section

64-Gd-158
-7.838 To 112.2 %



53

Incident Energy (eV)

64-Gd-158

