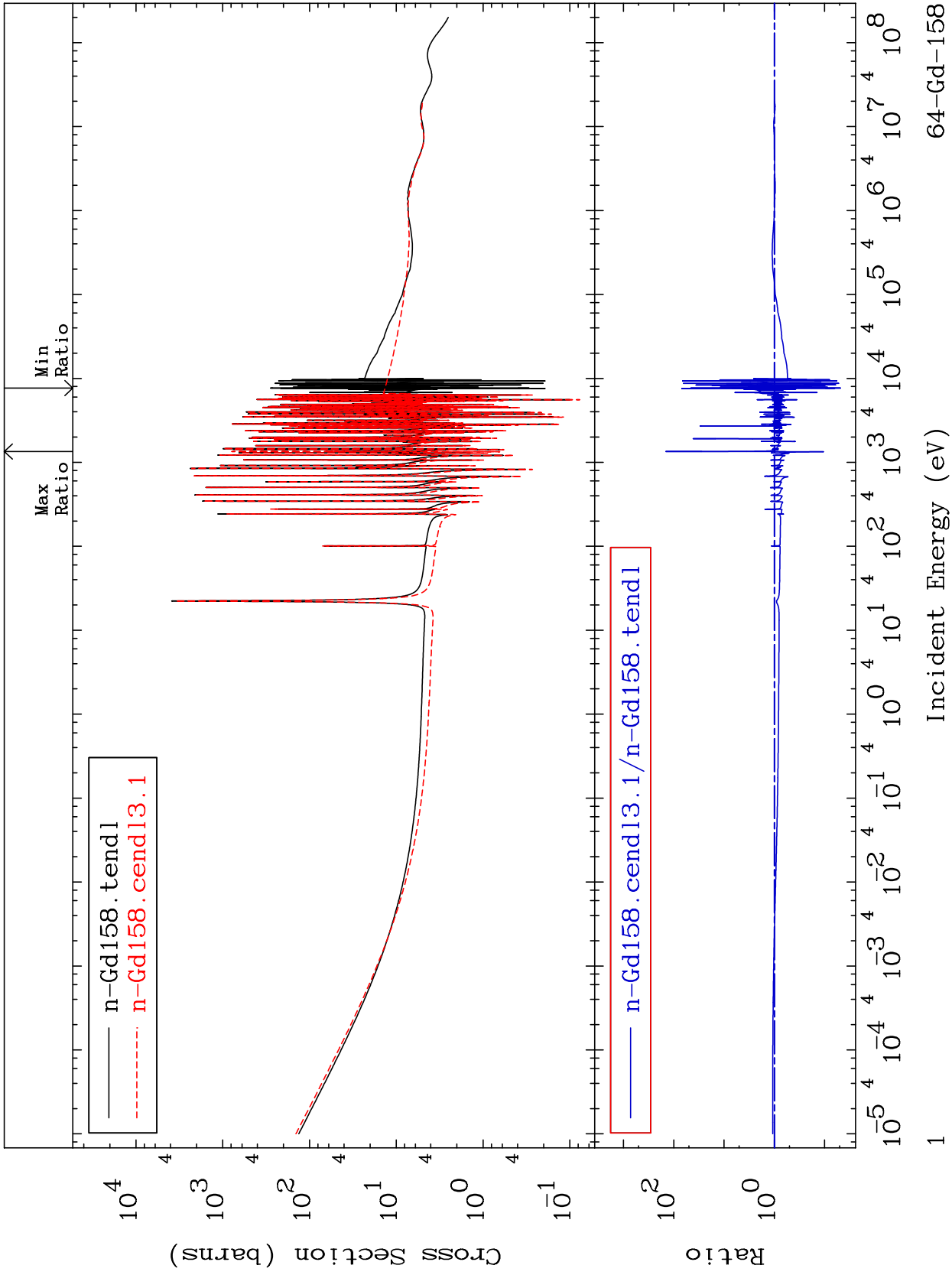


MAT 6443

Total Cross Section
64-Gd-158
-95.21 To 9999. %

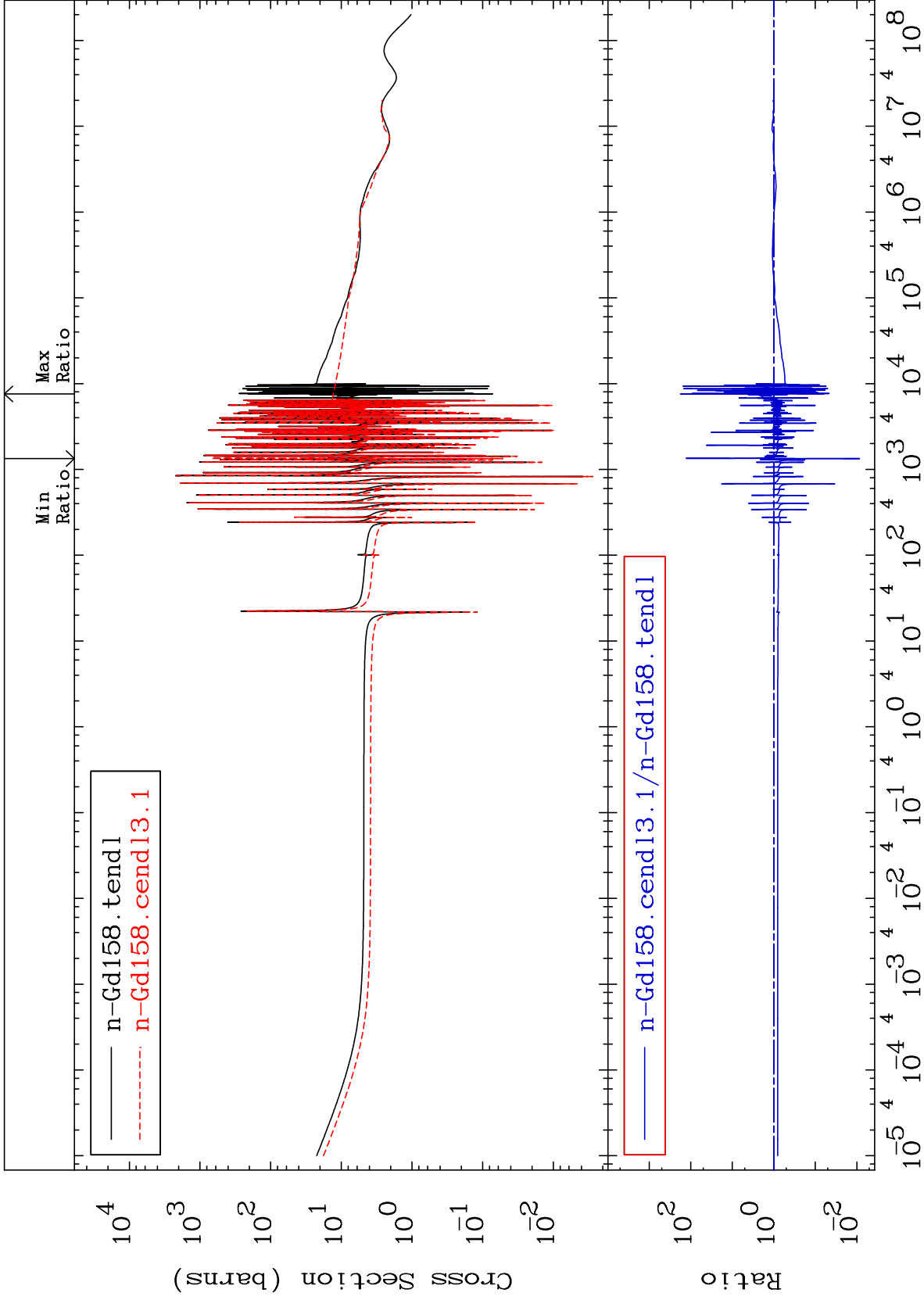


64-Gd-158

MAT 6443

Elastic
Cross Section

64-Gd-158
-99.13 To 9999. %



2

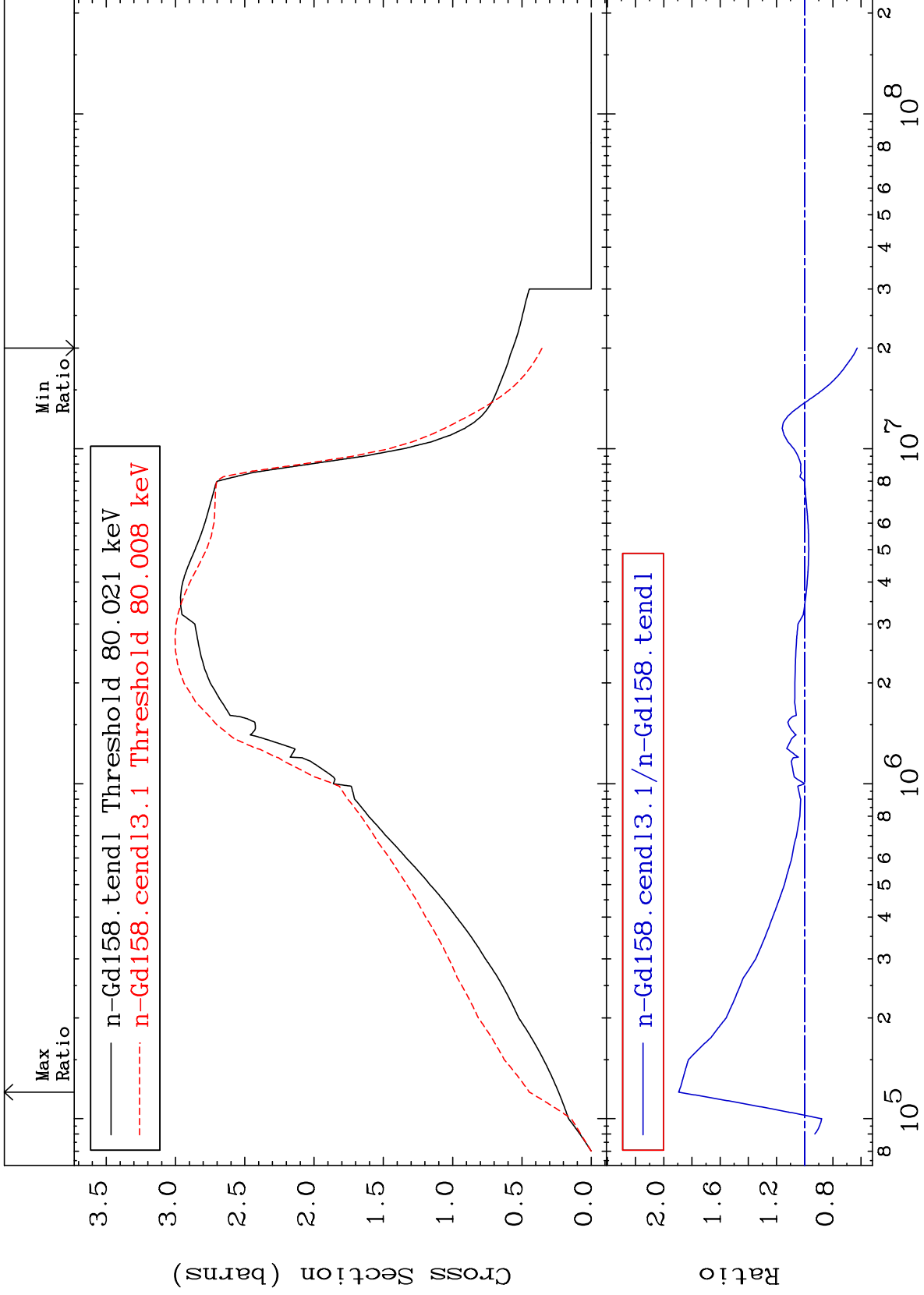
Incident Energy (eV)

64-Gd-158

MAT 6443

Inelastic
Cross Section

64-Gd-158
-37.31 To 89.44 %



3

Incident Energy (eV)

64-Gd-158

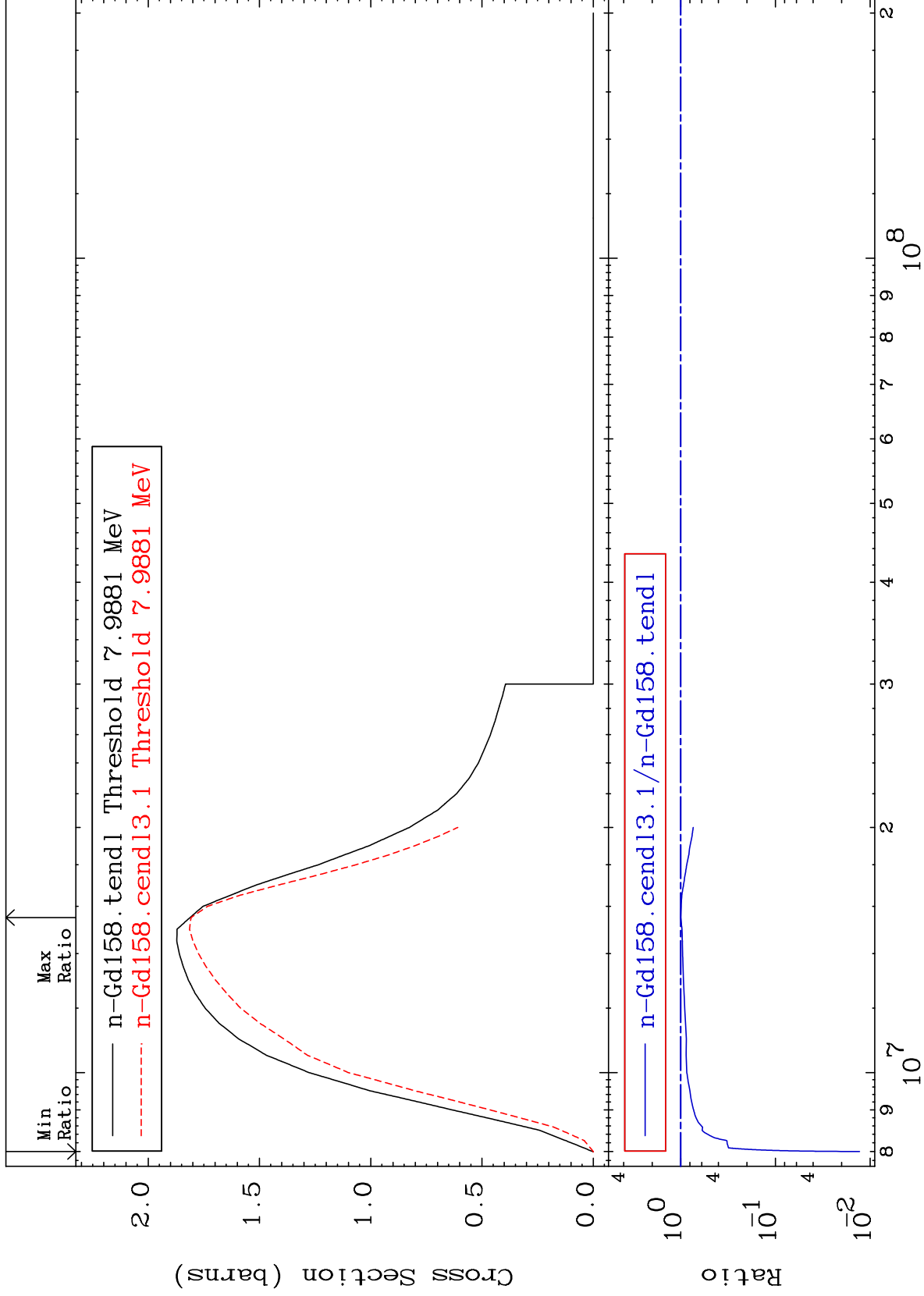
MAT 6443

(n,2n)

64-Gd-158

Cross Section

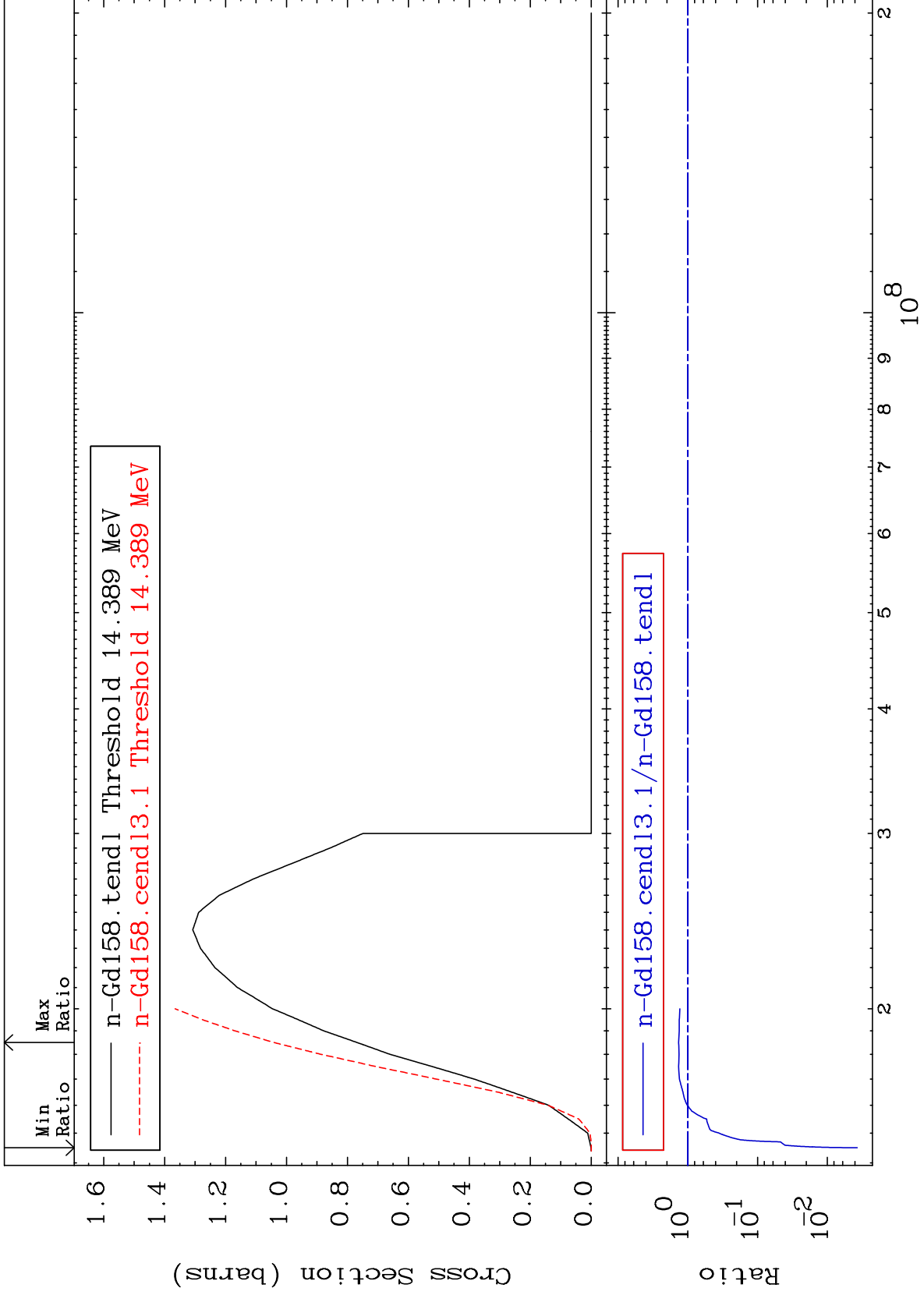
-98.71 To -0.240%



4

Incident Energy (eV)

64-Gd-158



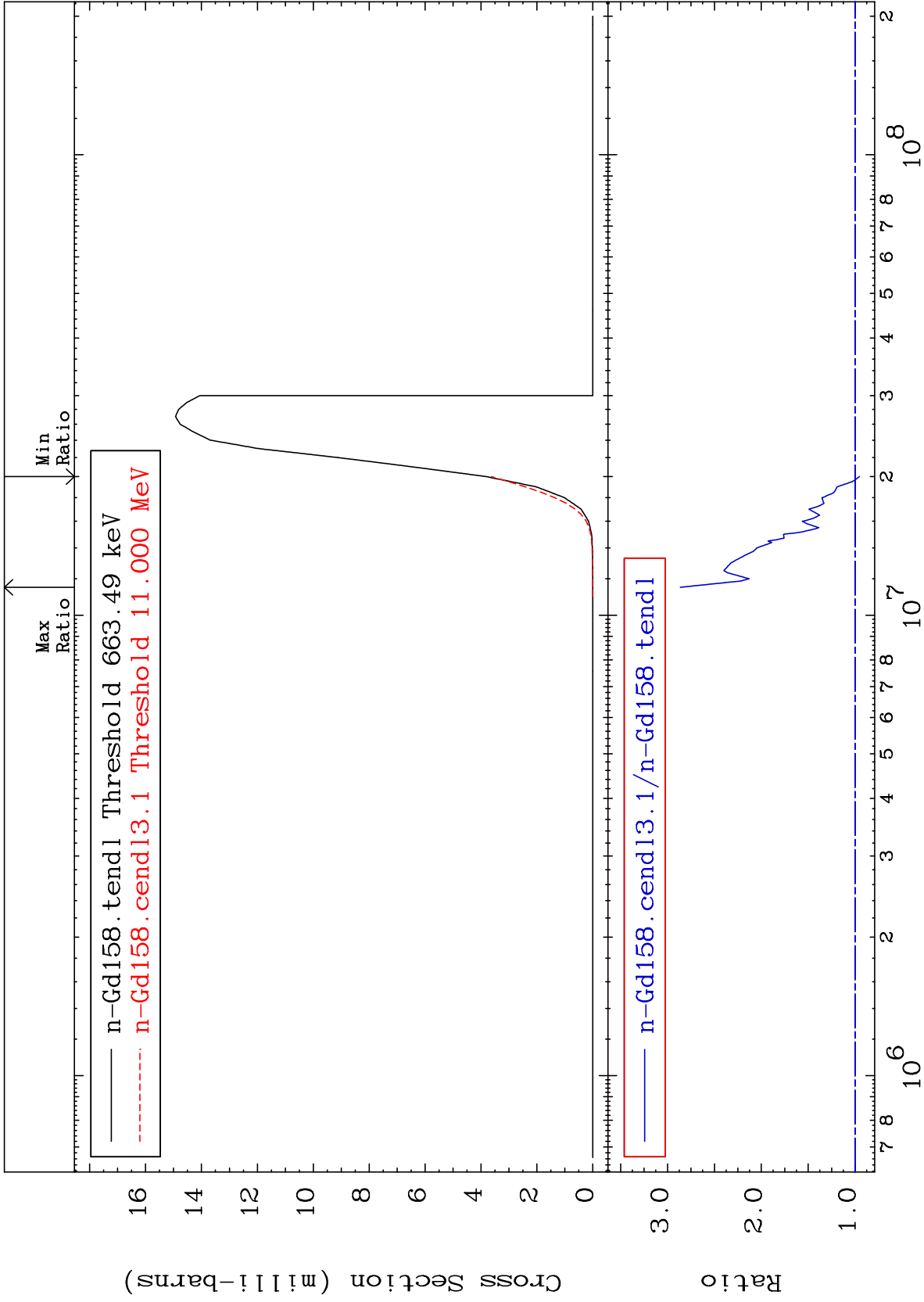
MAT 6443

(n, n') α

64-Gd-158

Cross Section

-4.649 To 186.3 %



6

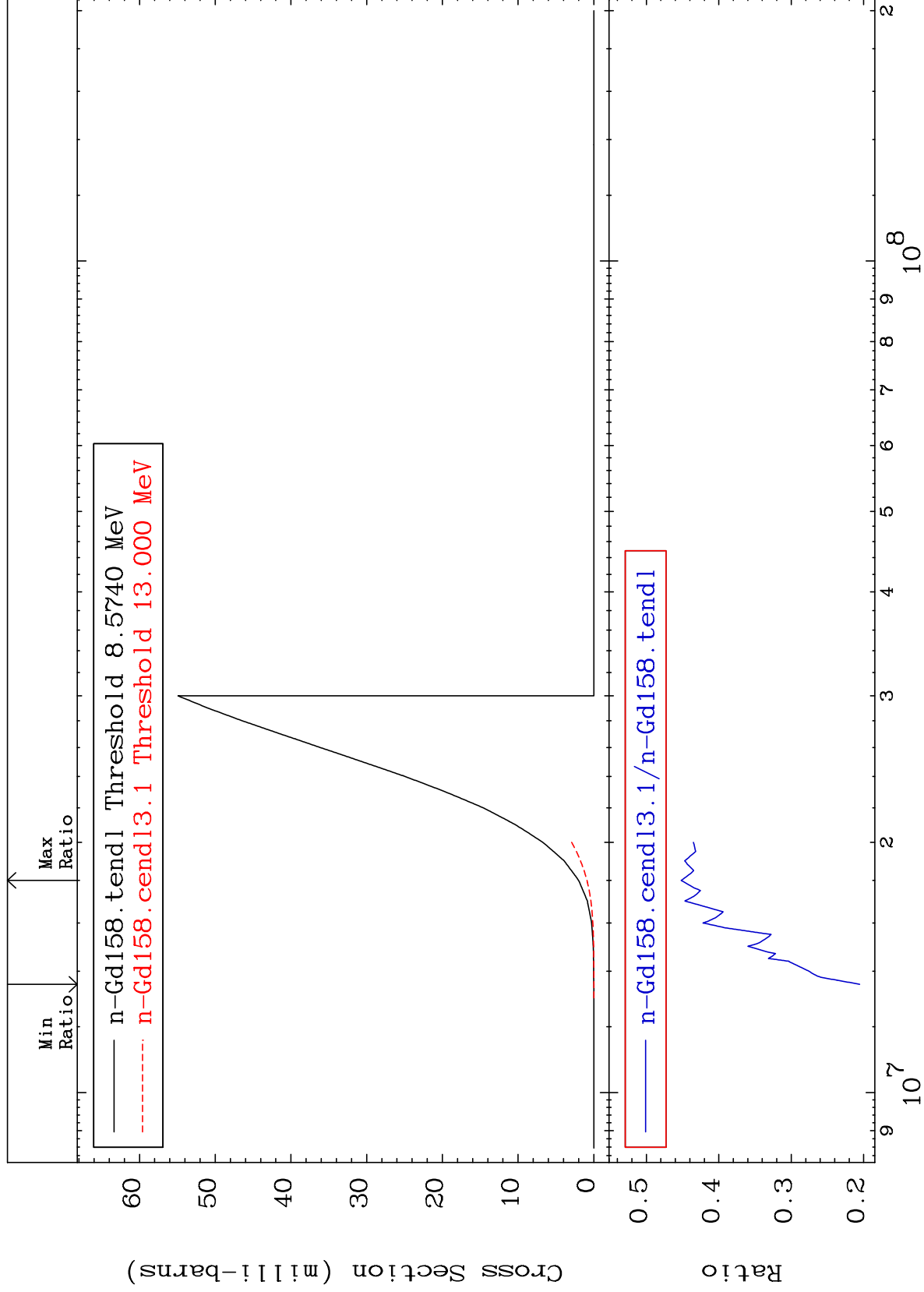
Incident Energy (eV)

64-Gd-158

MAT 6443

(n,n') p
Cross Section

64-Gd-158
-79.44 To -54.81%



7

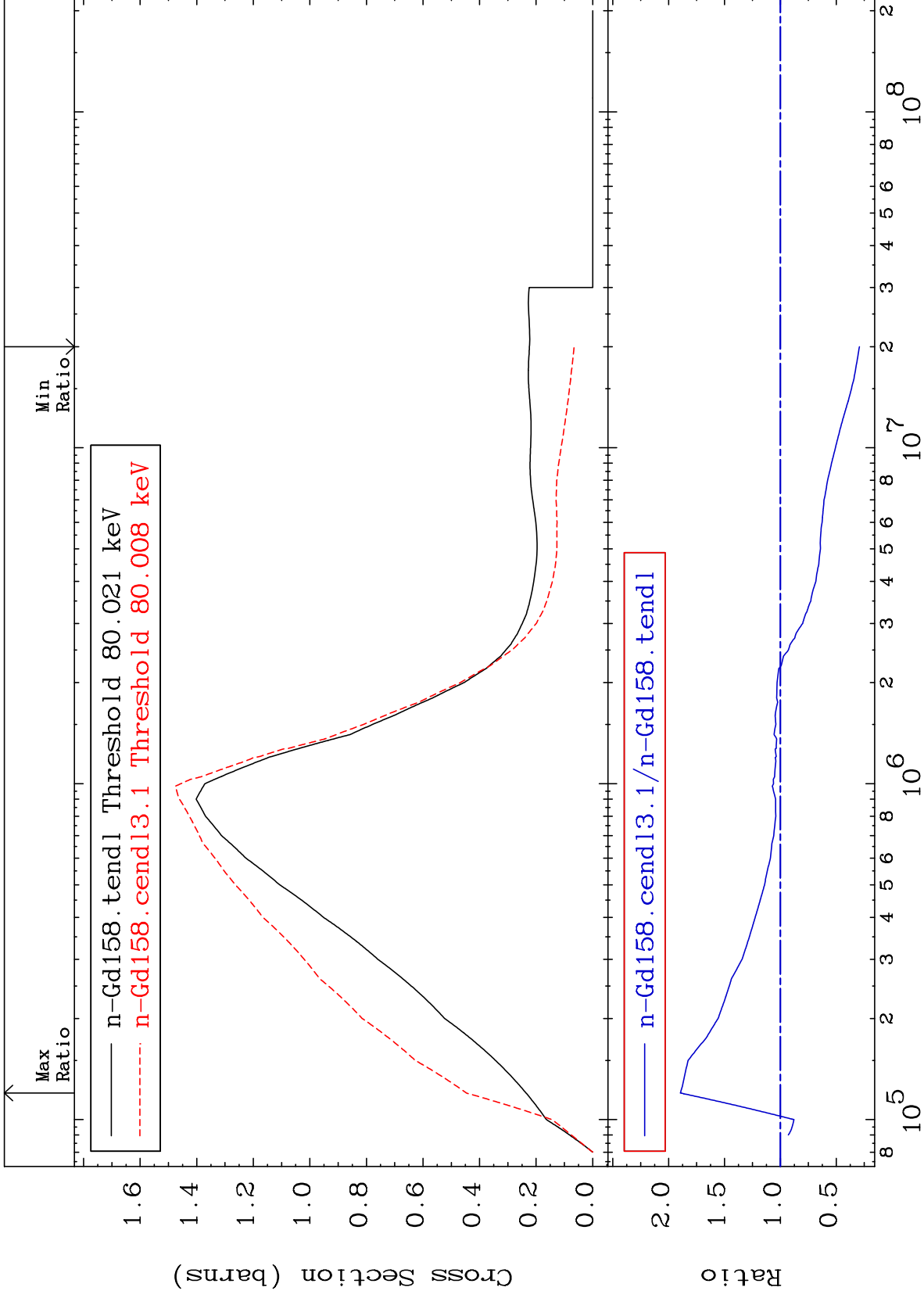
Incident Energy (eV)

64-Gd-158

MAT 6443

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

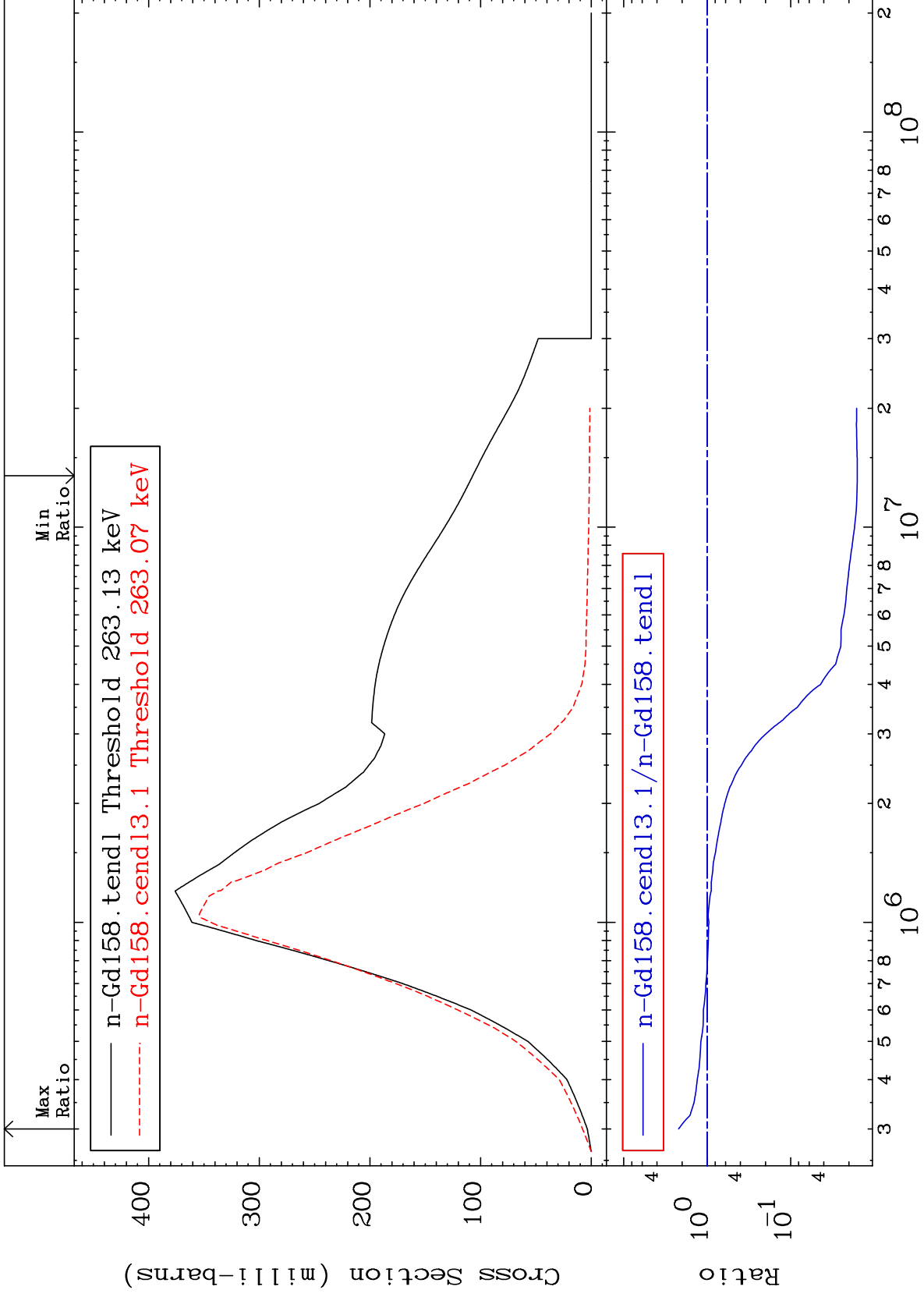
64-Gd-158
-70.72 To 89.44 %



MAT 6443

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

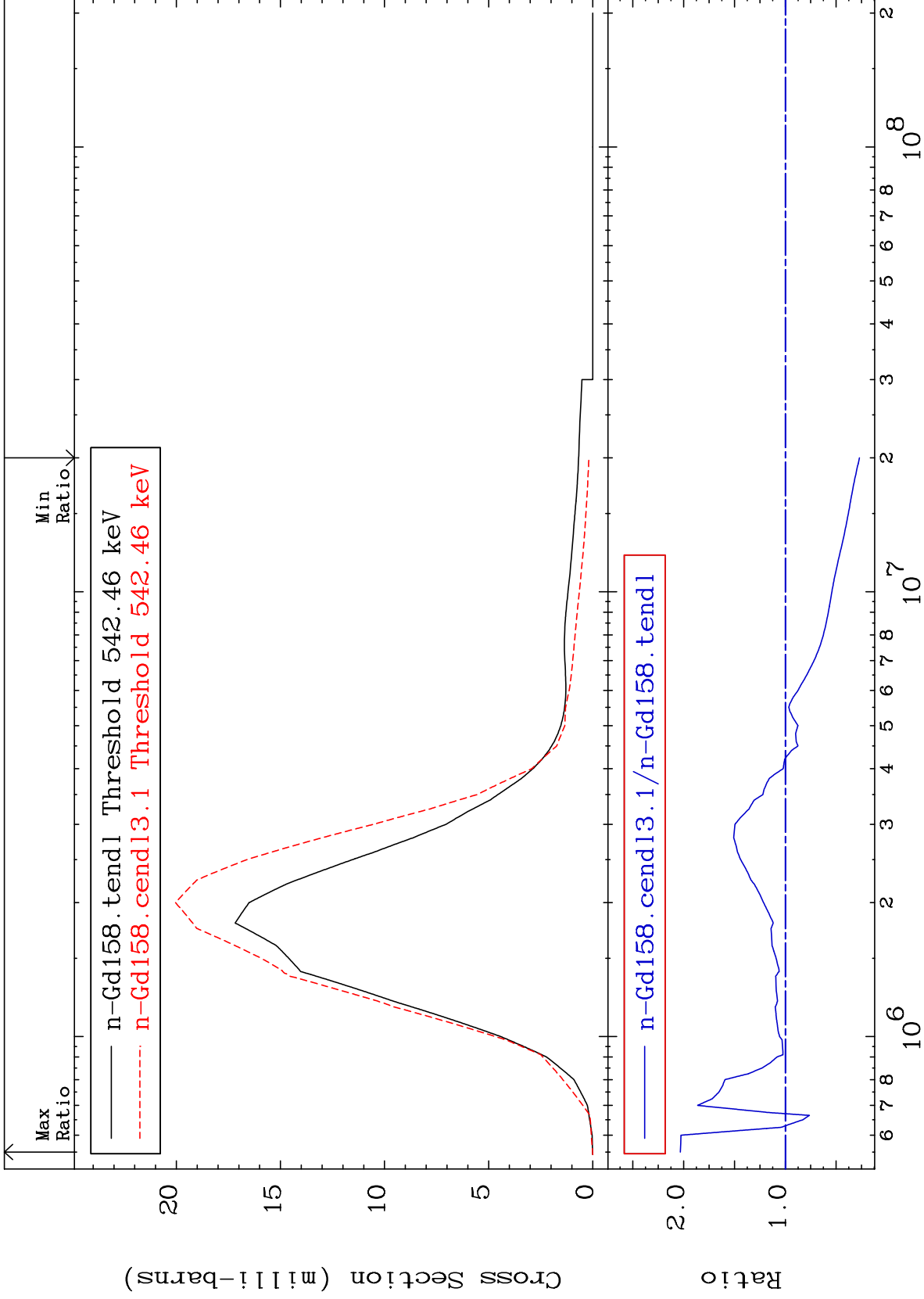
64-Gd-158
-98.41 To 119.7 %



MAT 6443

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

64-Gd-158
-72.90 To 103.2 %



10

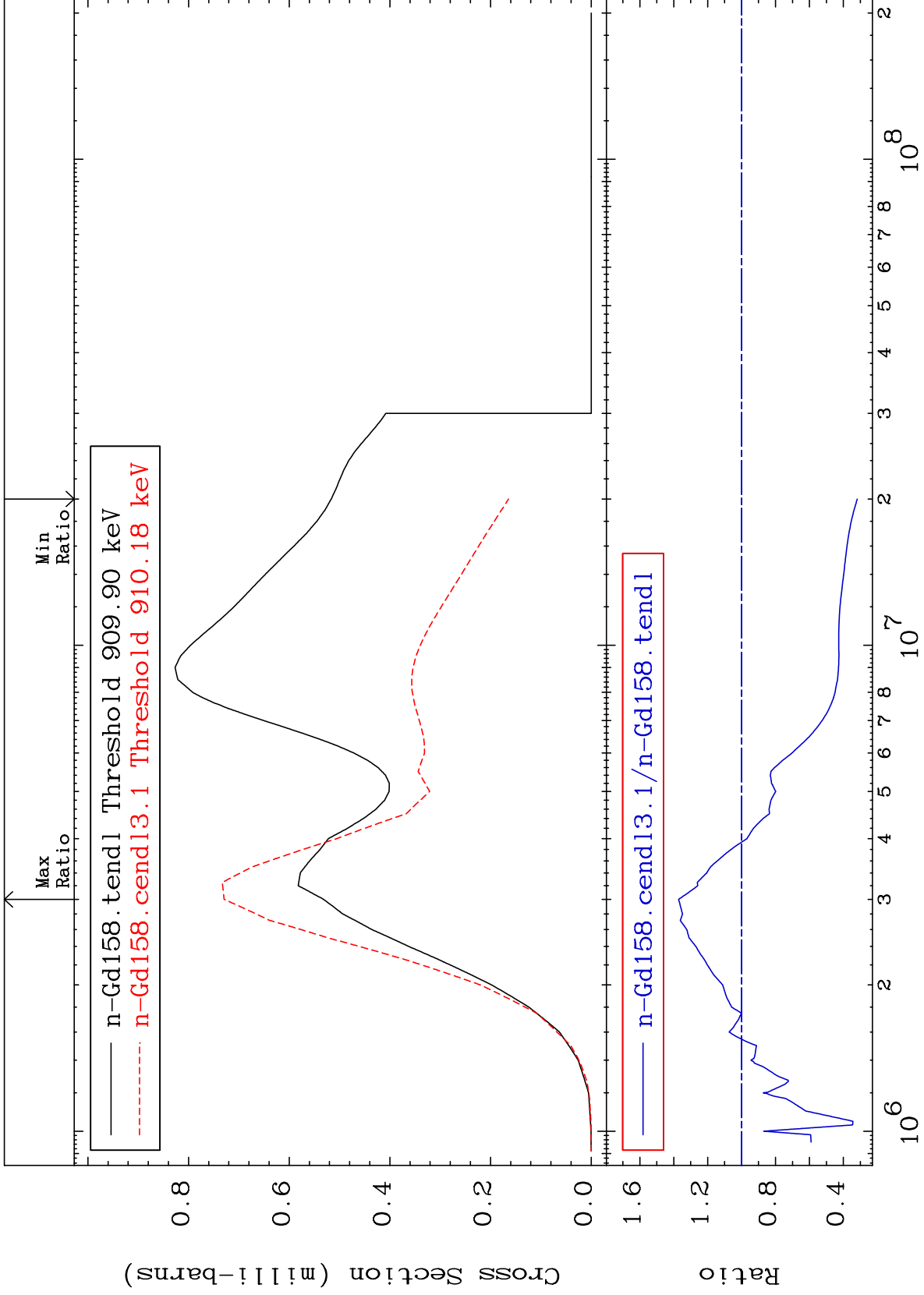
64-Gd-158

64-Gd-158

MAT 6443

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

64-Gd-158
-68.20 To 37.13 %



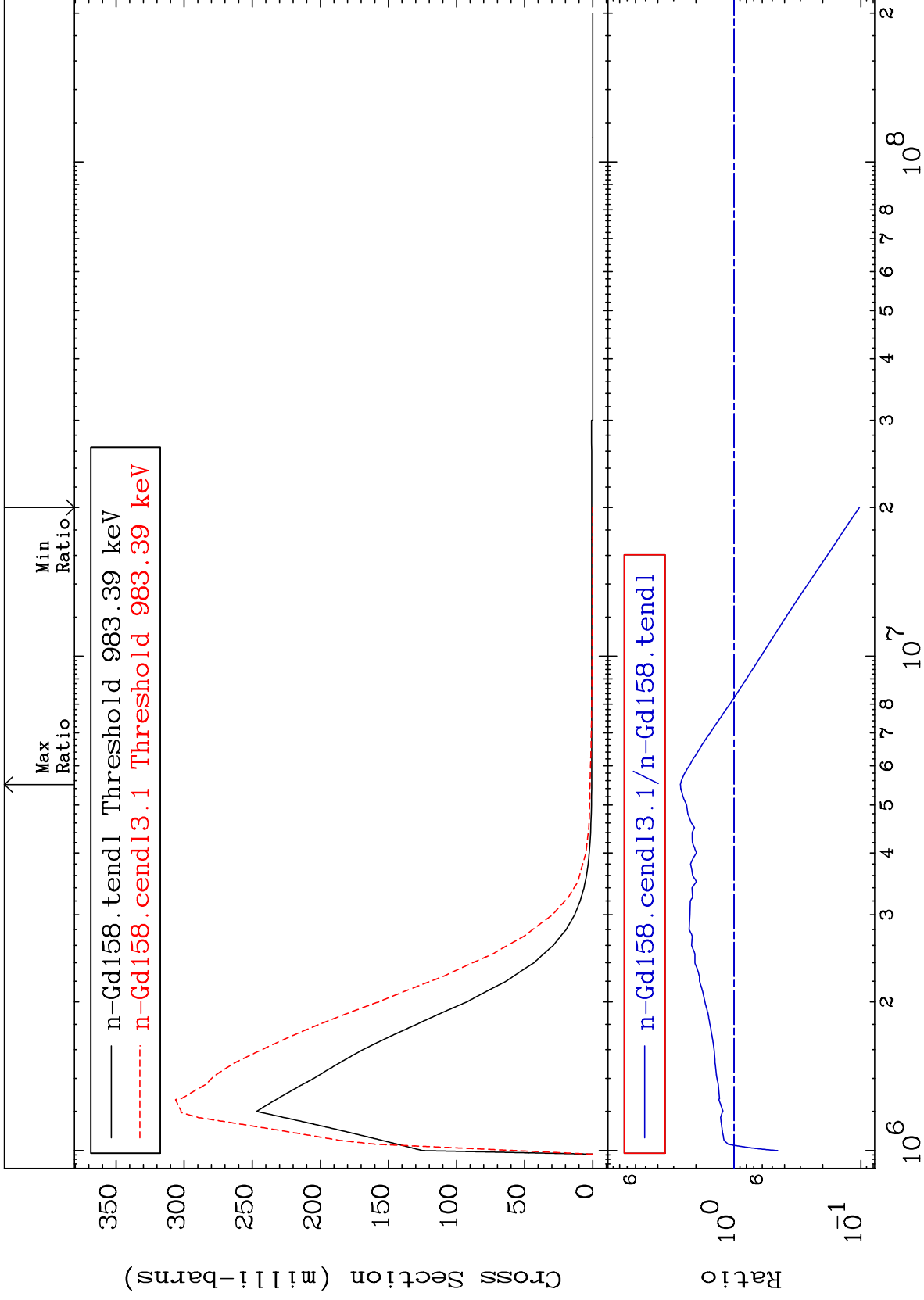
11

64-Gd-158

MAT 6443

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

64-Gd-158
-89.75 To 165.7 %



12

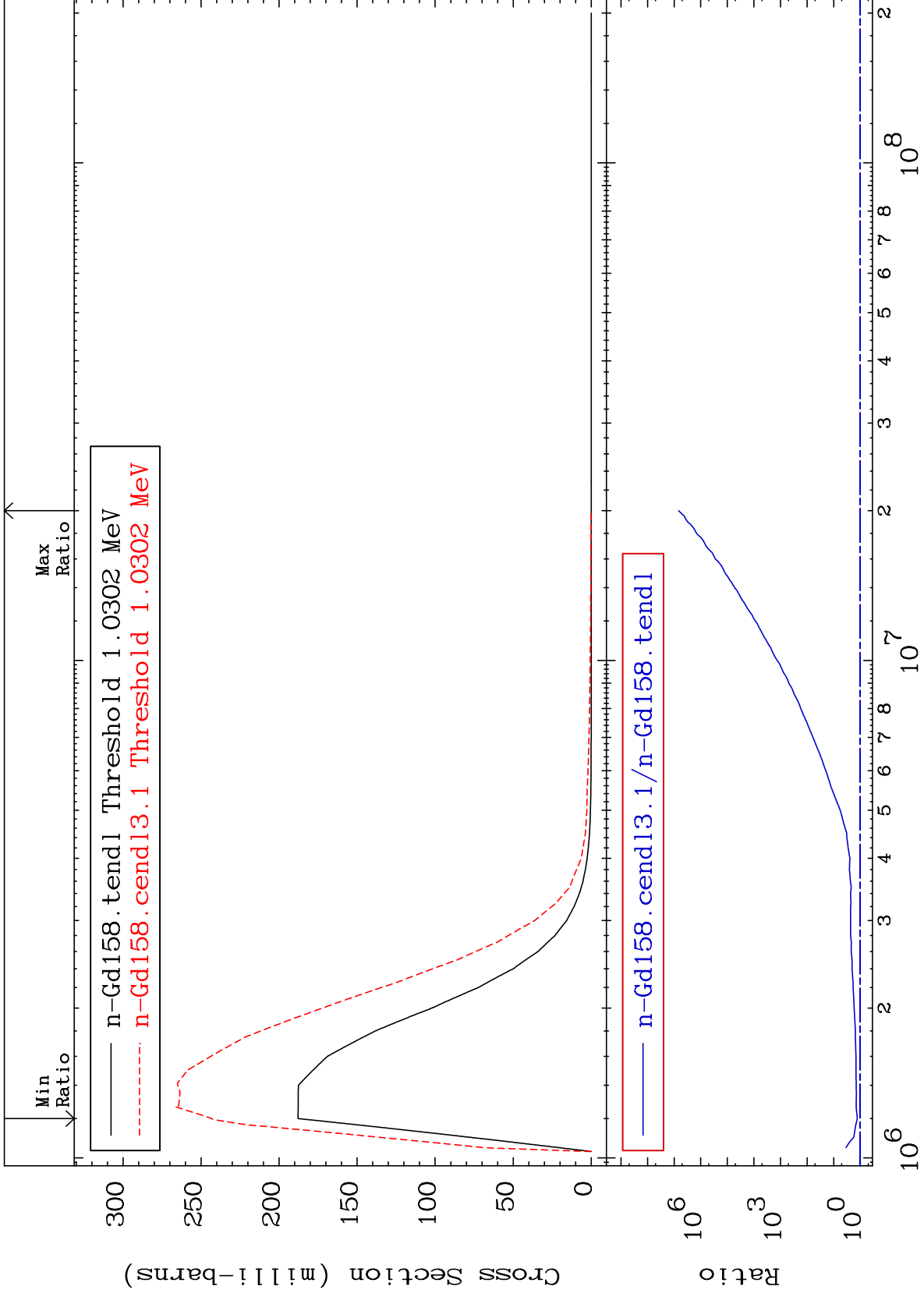
Incident Energy (eV)

64-Gd-158

MAT 6443

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

64-Gd-158
29.57 To 9999. %



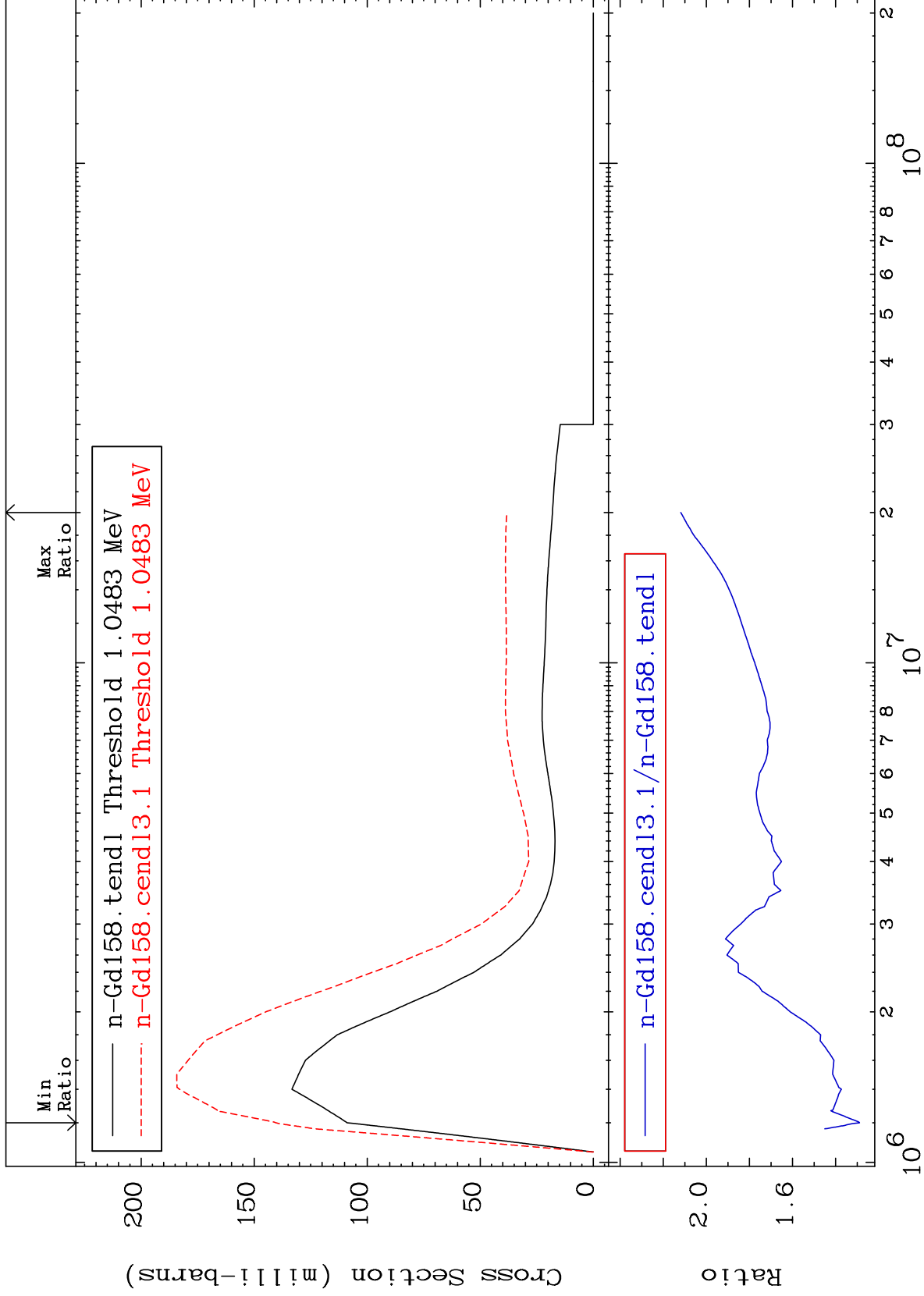
13

64-Gd-158

MAT 6443

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

64-Gd-158
28.89 To 111.9 %



14

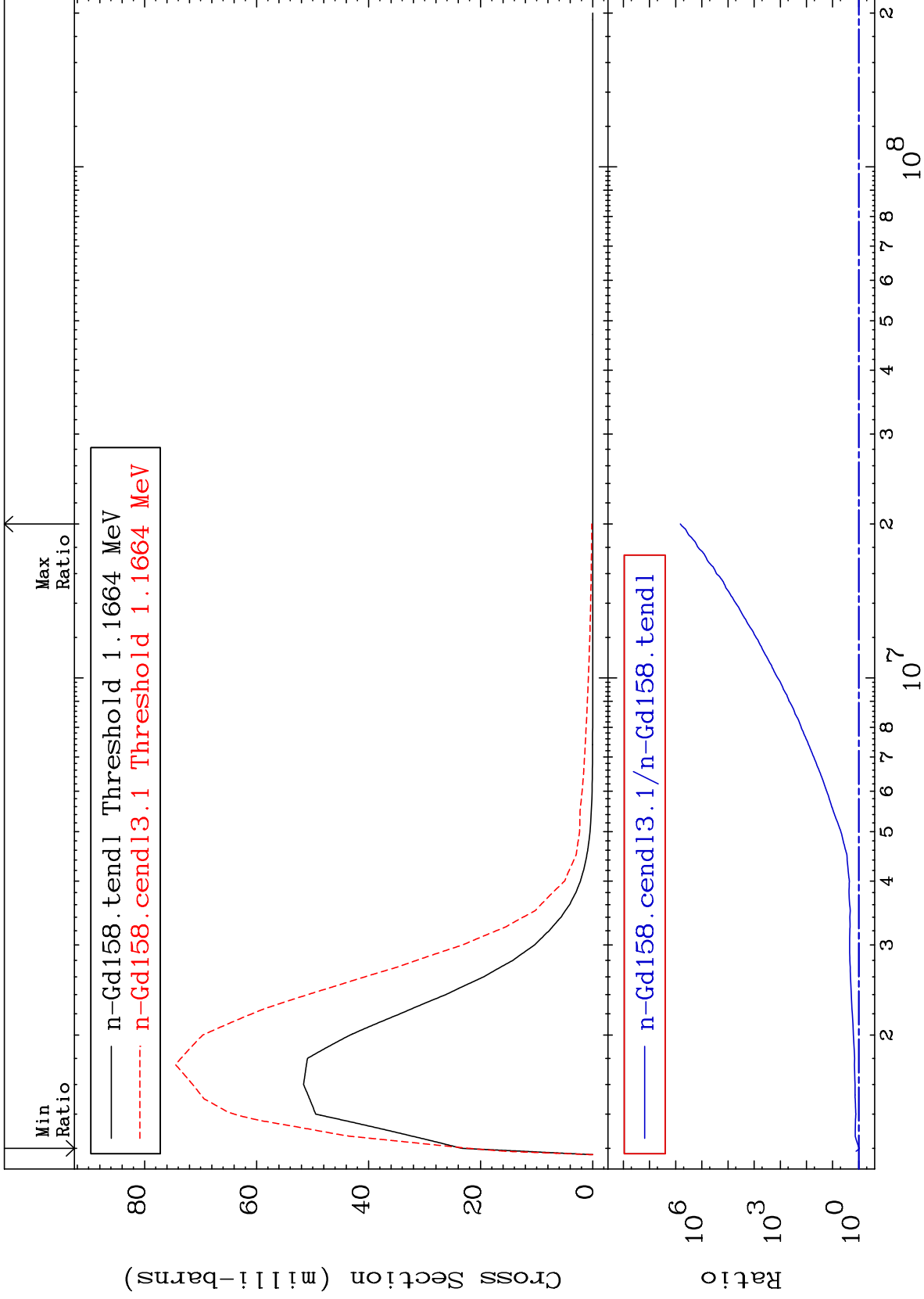
Incident Energy (eV)

64-Gd-158

MAT 6443

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

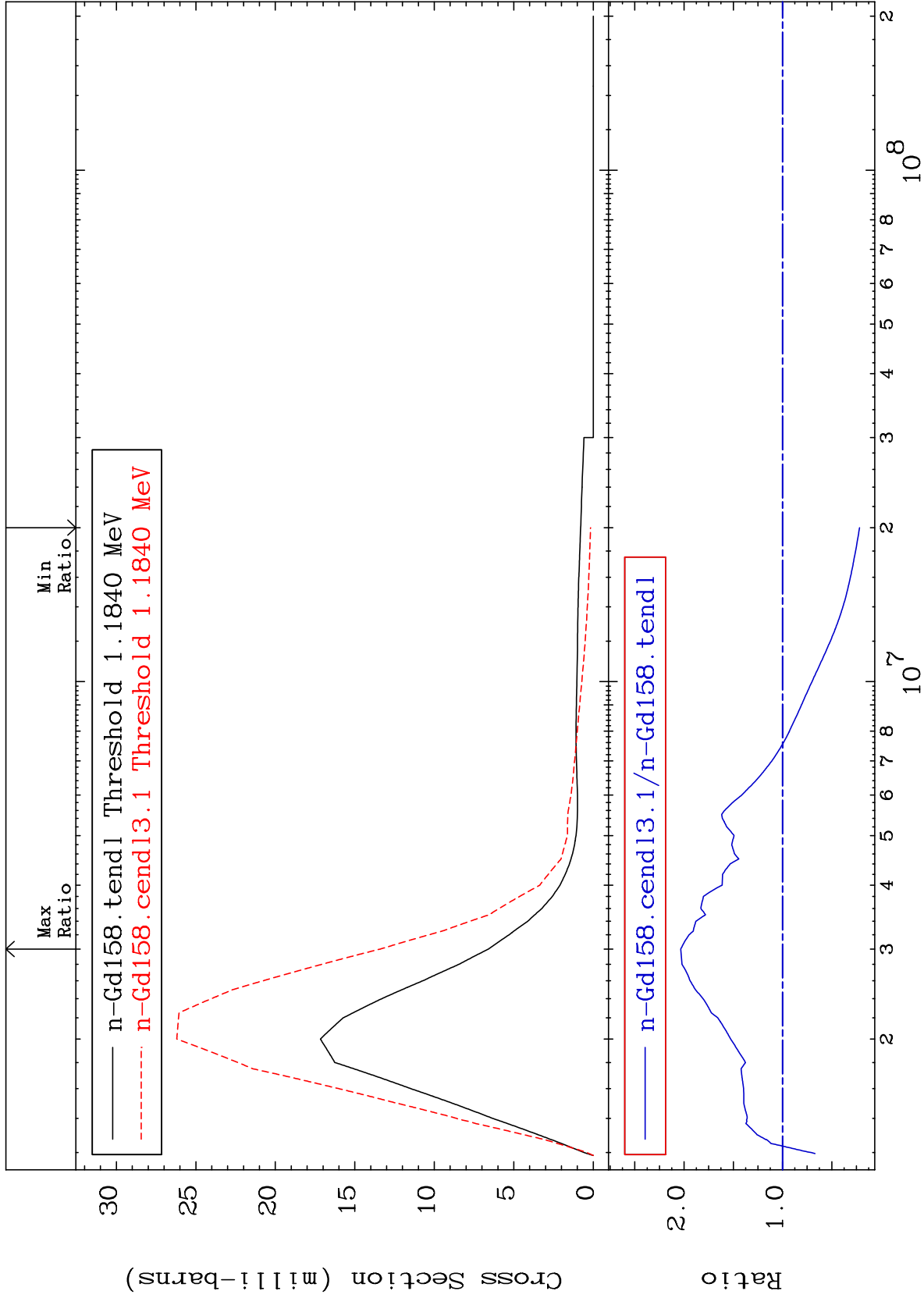
64-Gd-158
-5.774 To 9999. %



MAT 6443

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

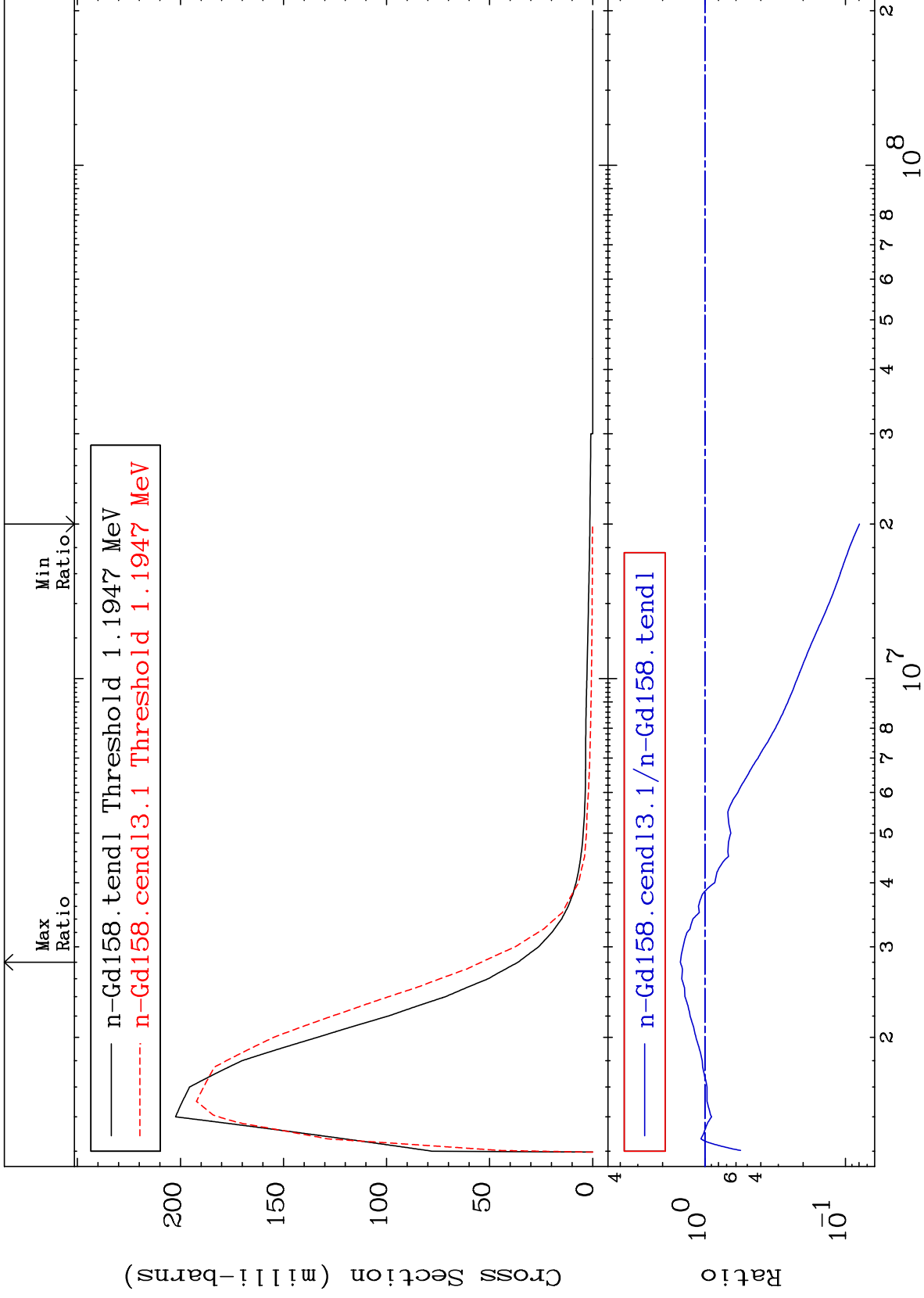
64-Gd-158
-78.21 To 103.3 %



MAT 6443

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

64-Gd-158
-92.05 To 49.53 %



17

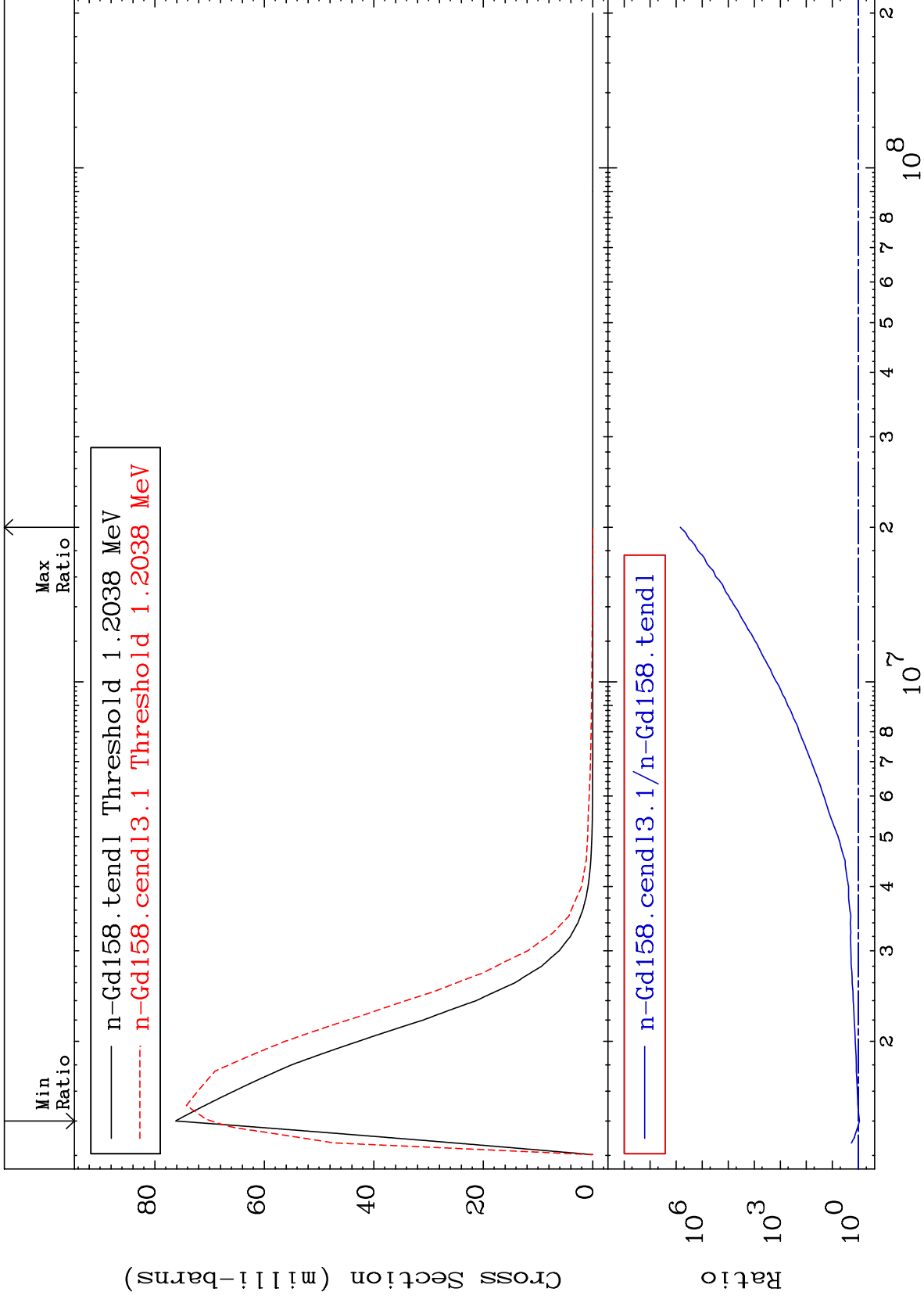
Incident Energy (eV)

64-Gd-158

MAT 6443

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

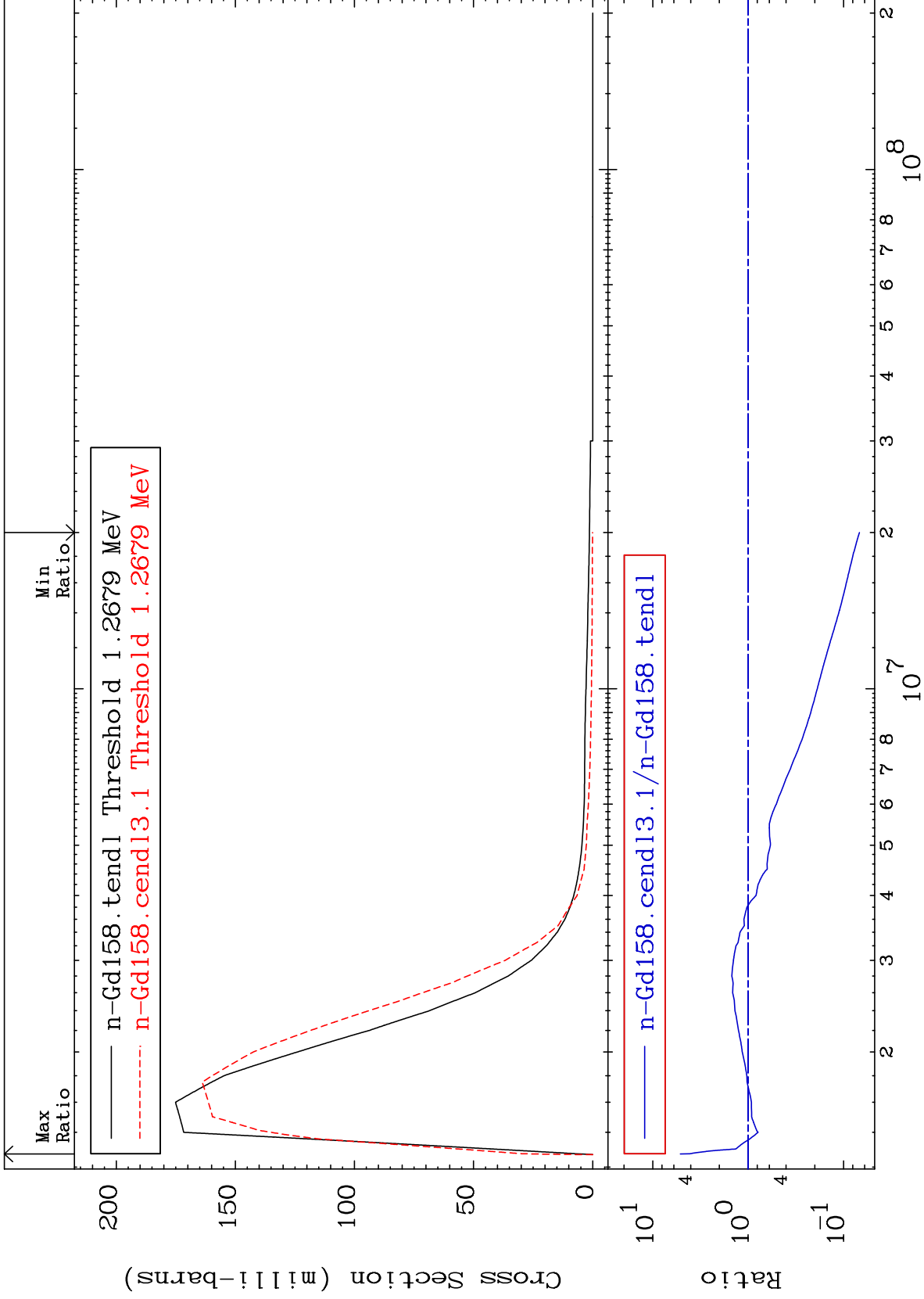
64-Gd-158
-8.583 To 9999. %



MAT 6443

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

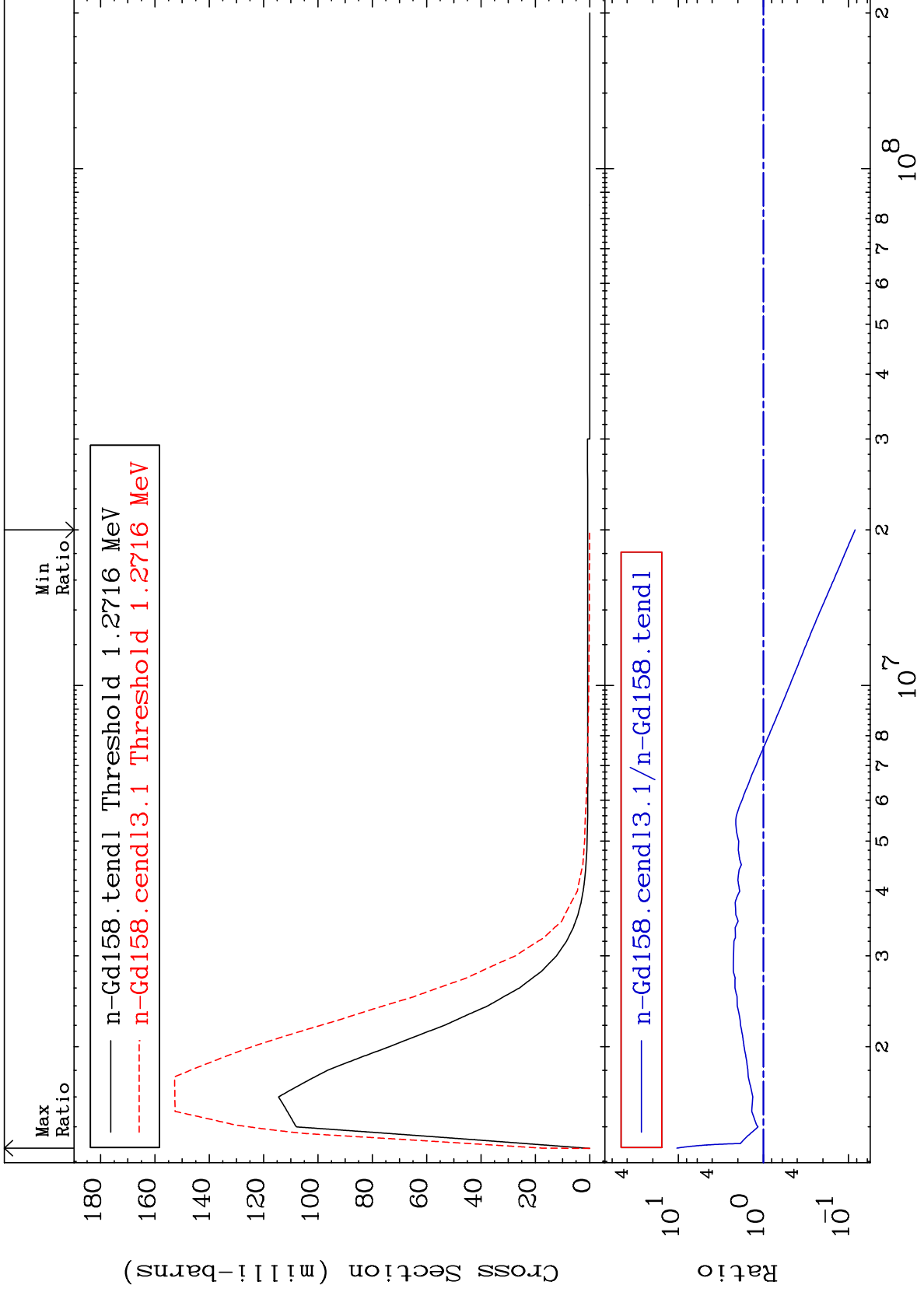
64-Gd-158
-93.19 To 413.0 %



MAT 6443

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

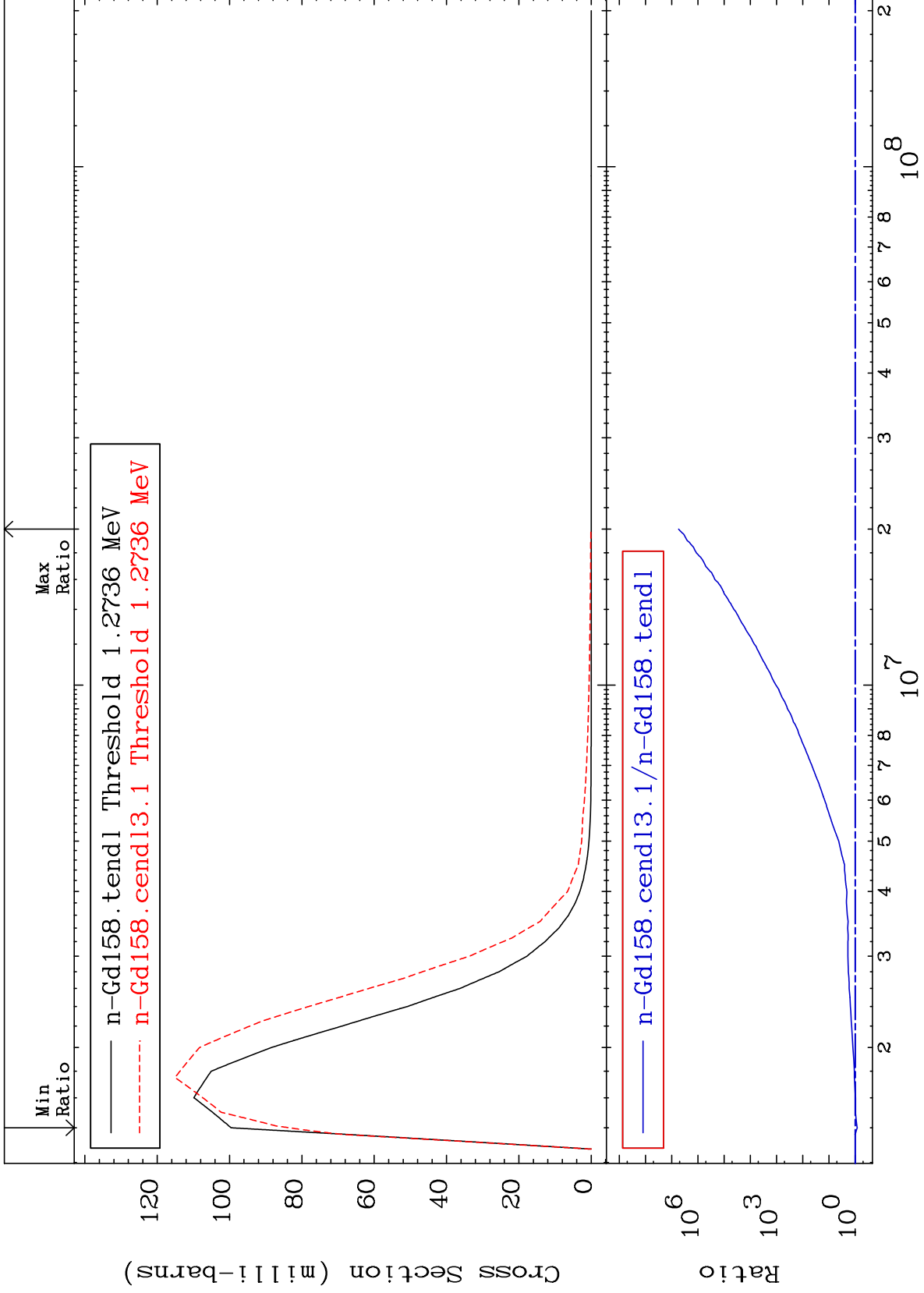
64-Gd-158
-91.63 To 939.4 %

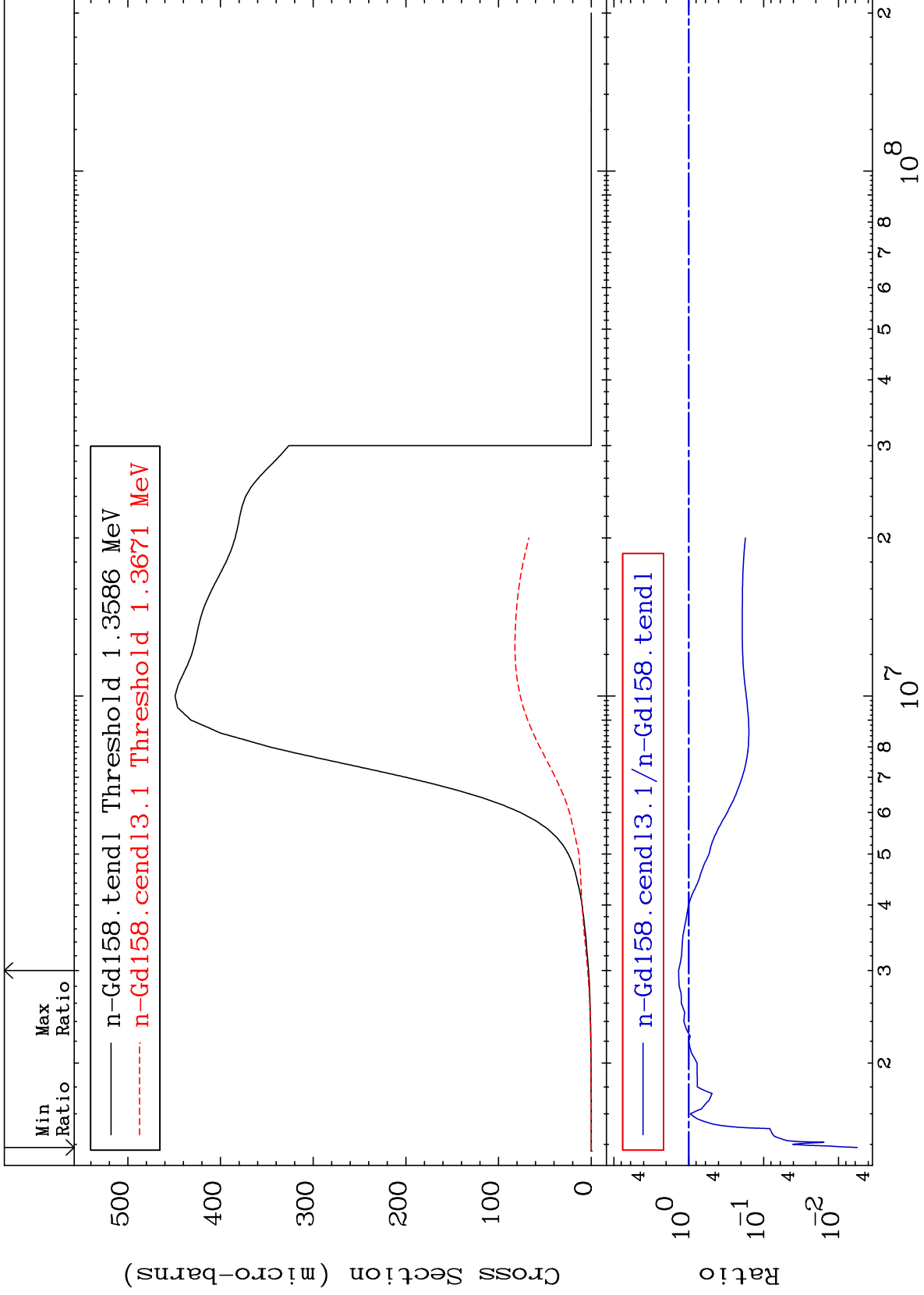


MAT 6443

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

64-Gd-158
-16.19 To 9999. %

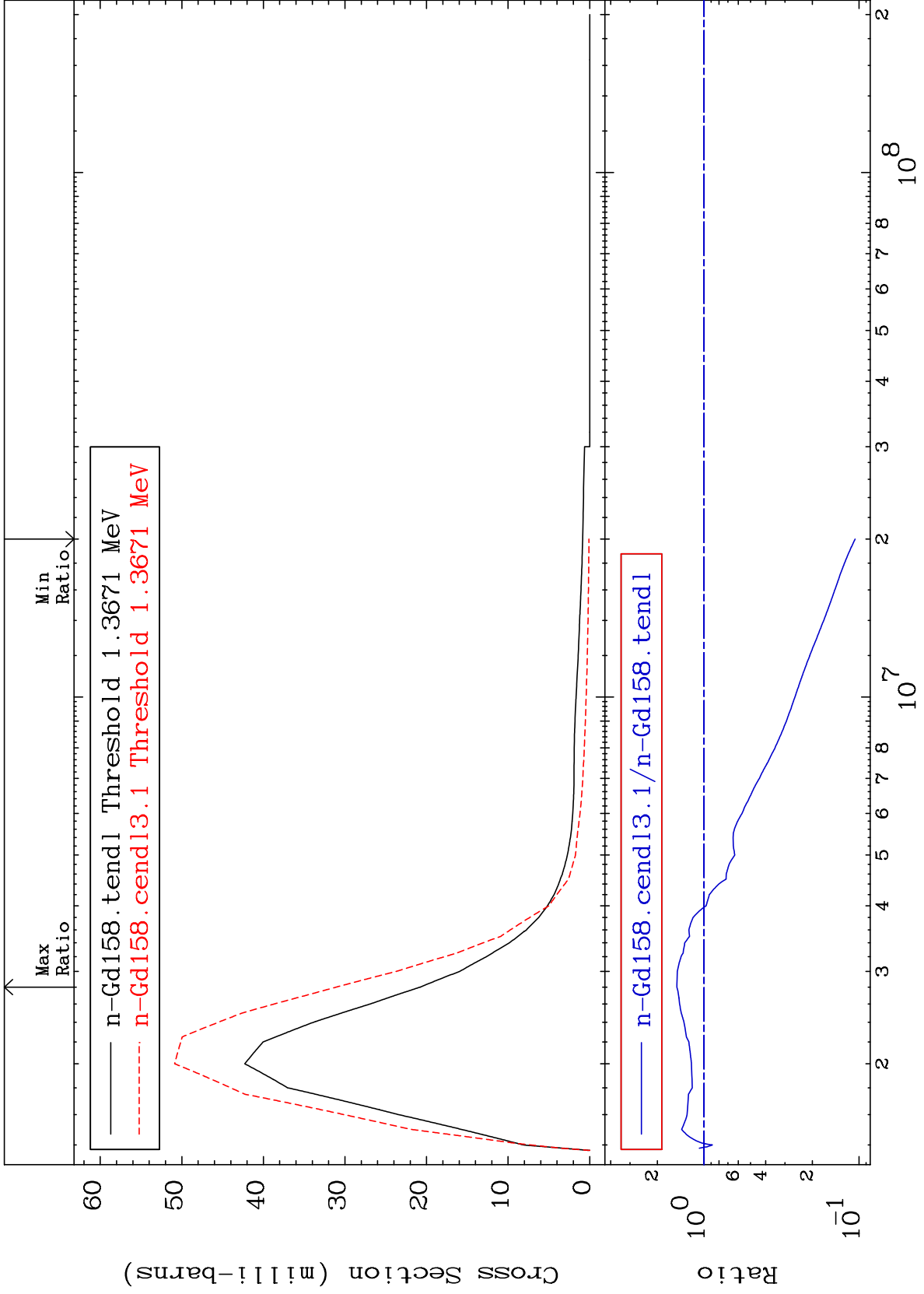




MAT 6443

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

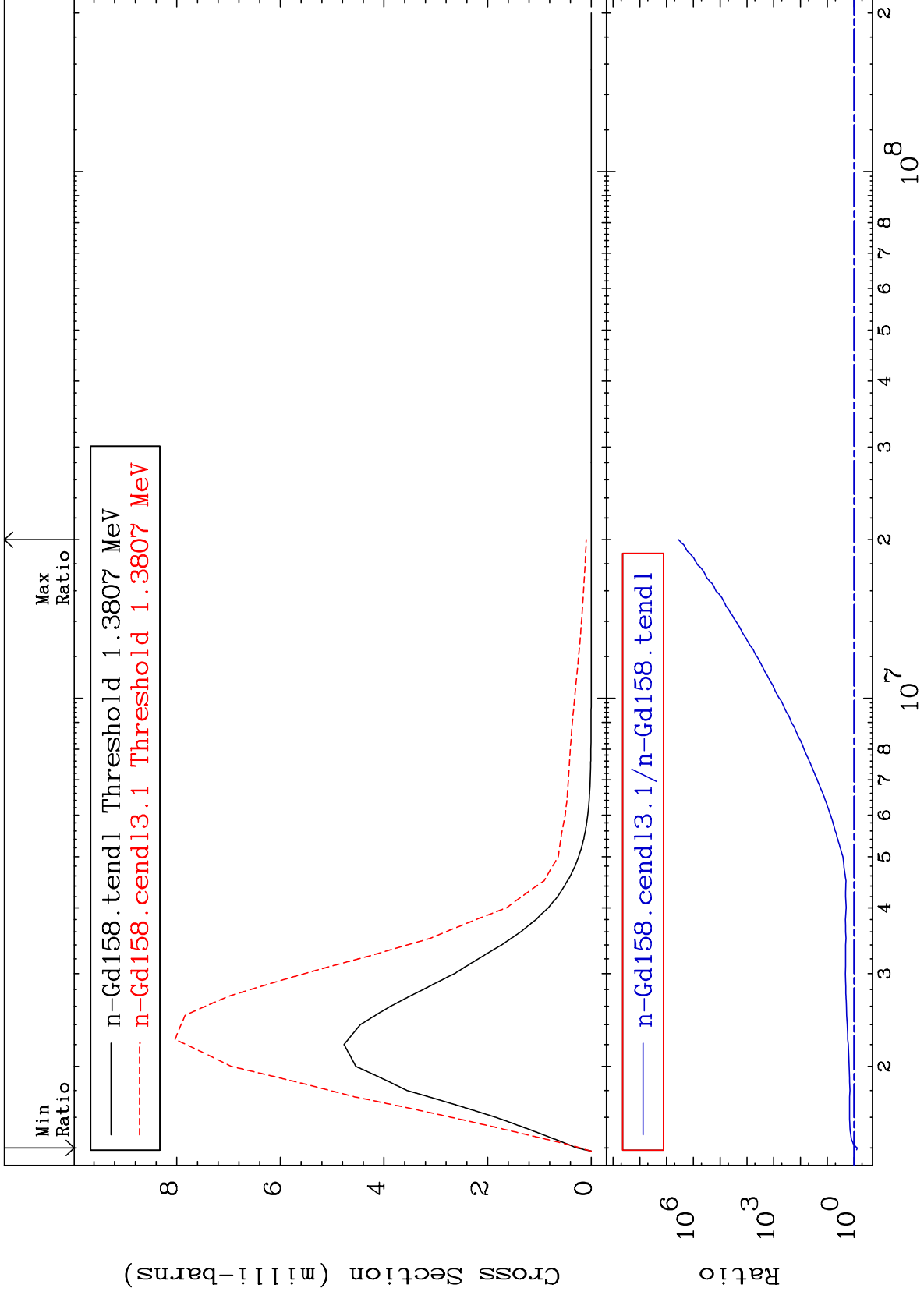
64-Gd-158
-89.40 To 49.41 %



MAT 6443

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

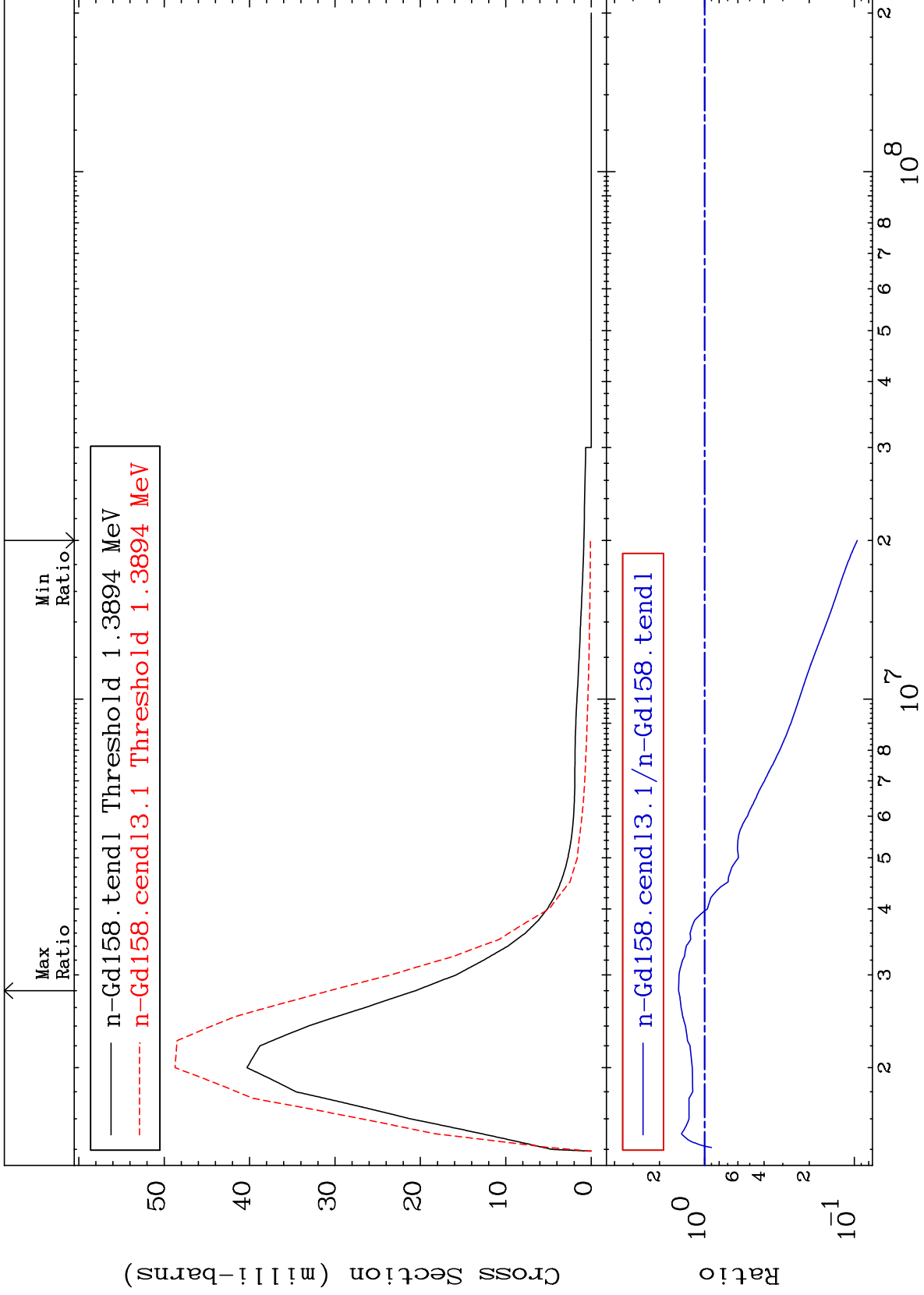
64-Gd-158
-24.21 To 9999. %

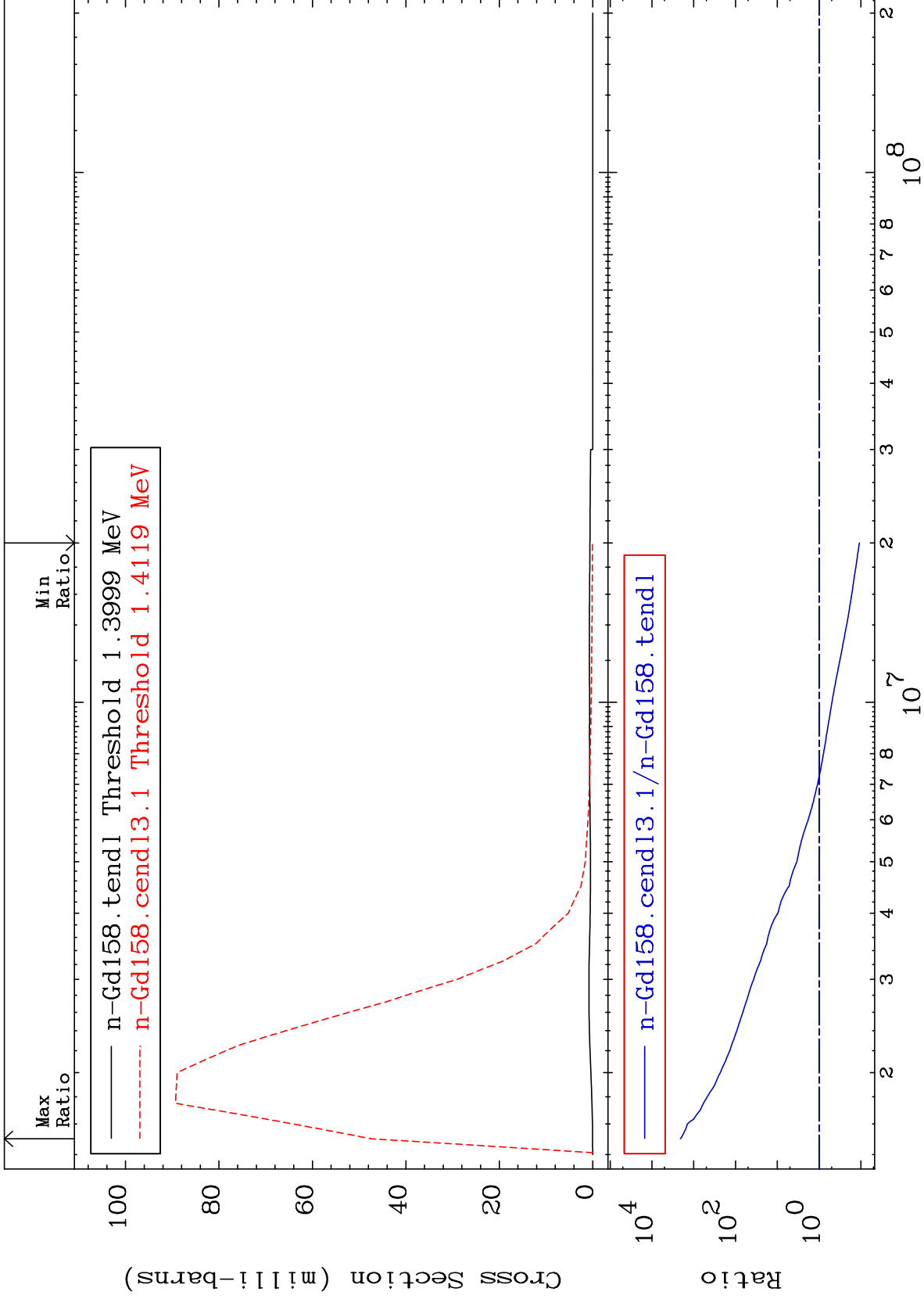


MAT 6443

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

64-Gd-158
-90.45 To 49.00 %

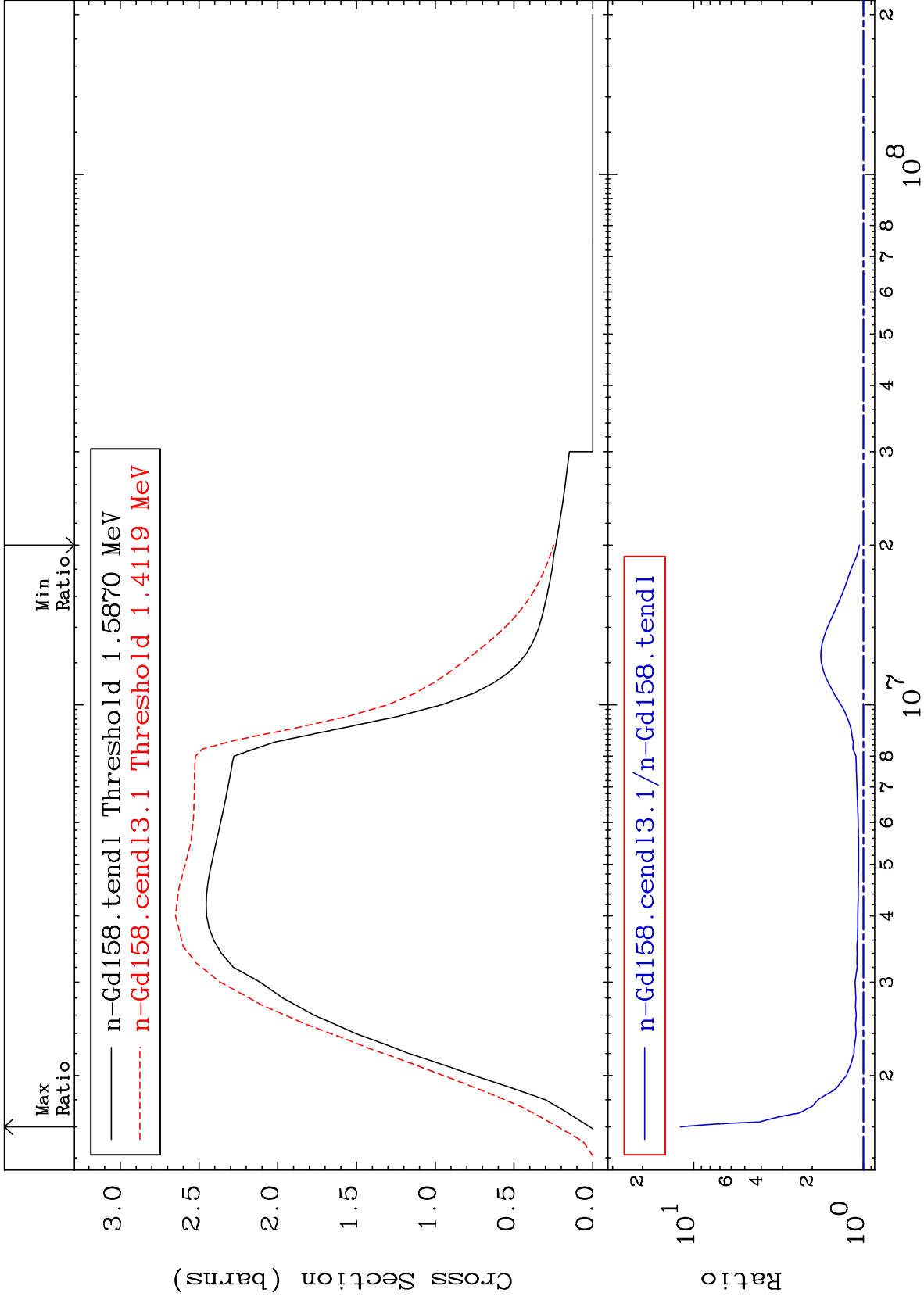




MAT 6443

(n, n') Continuum
Cross Section

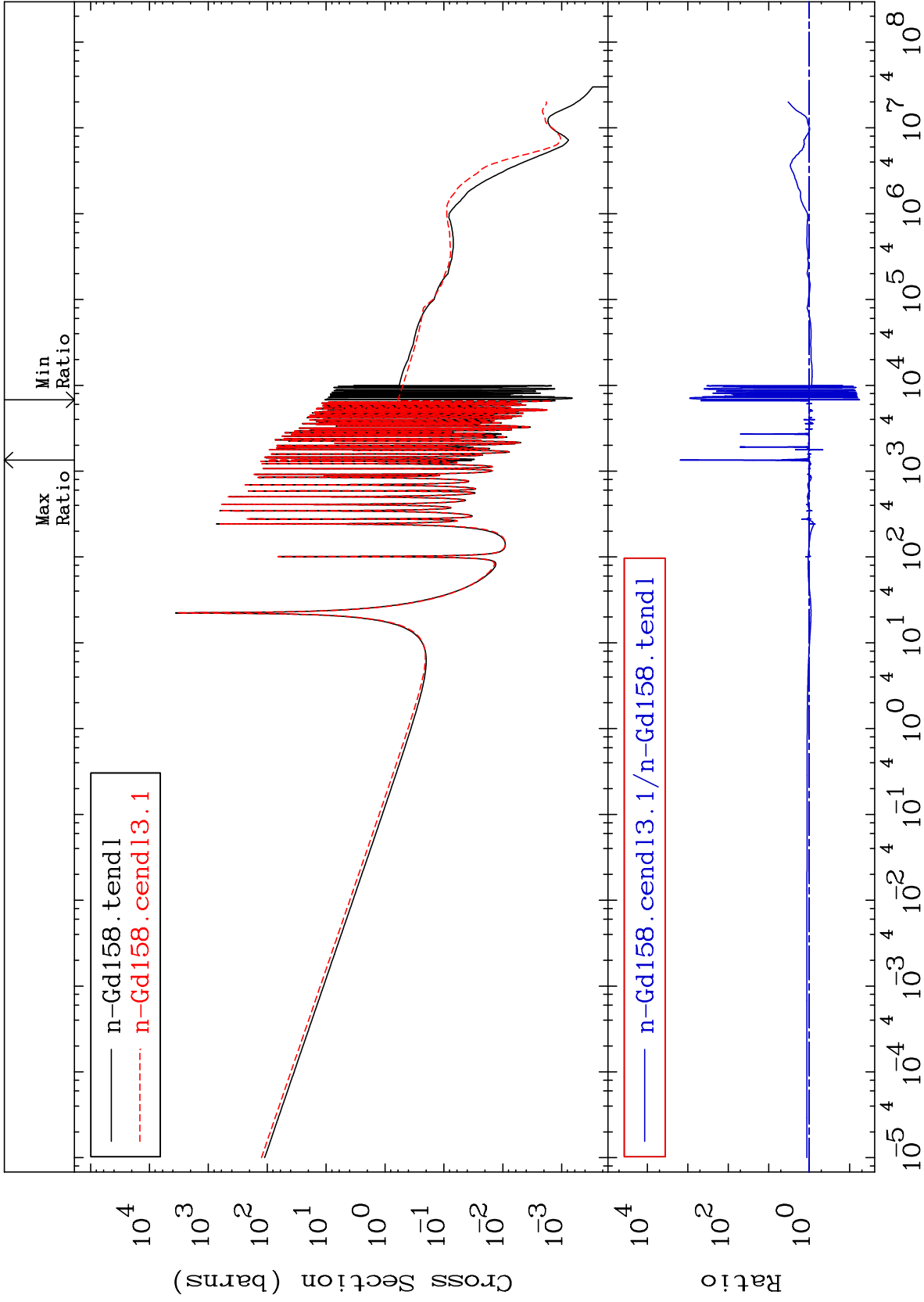
64-Gd-158
5.576 To 1097. %



MAT 6443

(n, γ)
Cross Section

64-Gd-158
-94.26 To 9999. %



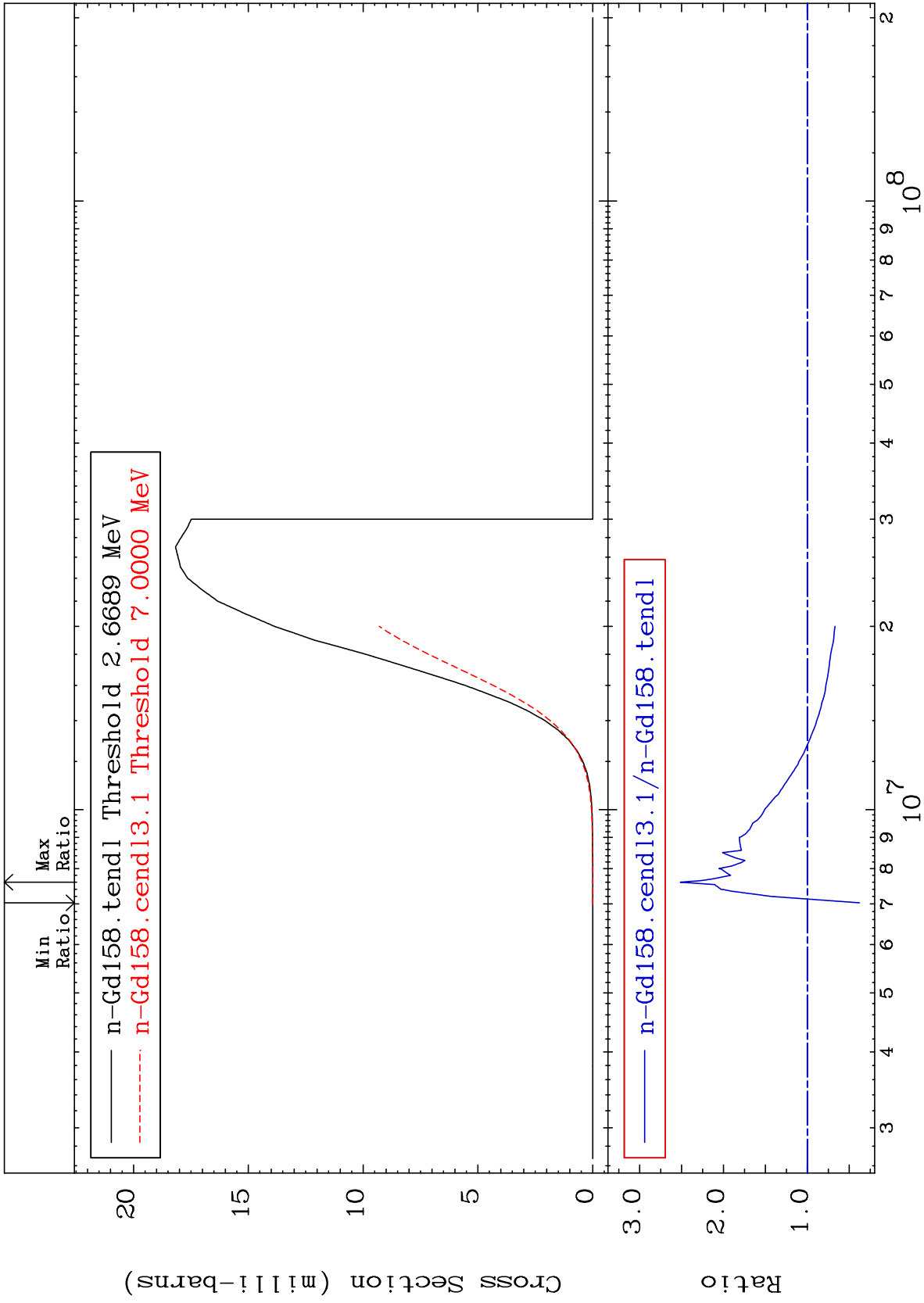
MAT 6443

(n,p)

64-Gd-158

Cross Section

-62.08 To 151.6 %



MAT 6443

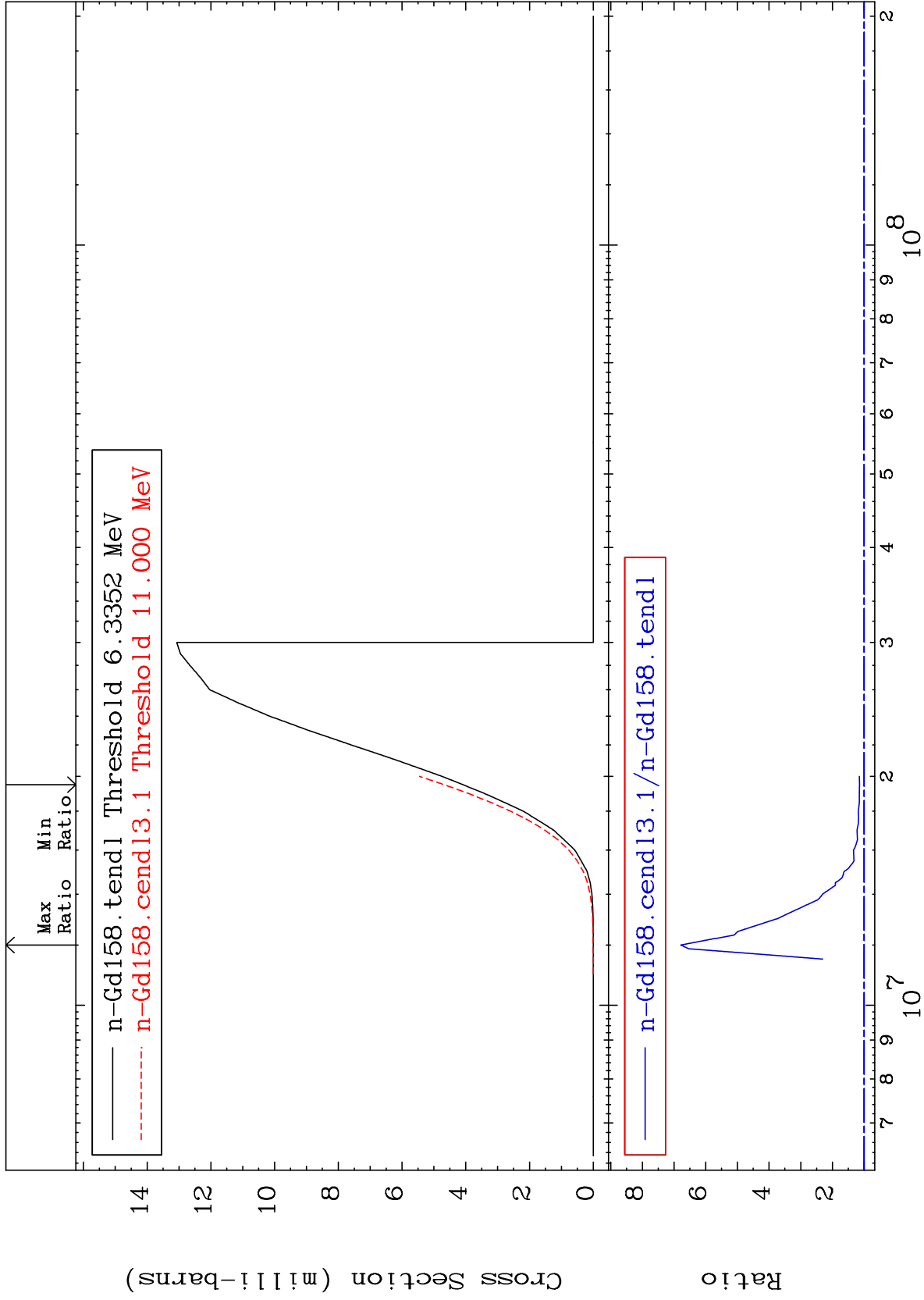
(n, d)

64-Gd-158

Cross Section

14.33

To 578.8 %



30

Incident Energy (eV)

64-Gd-158

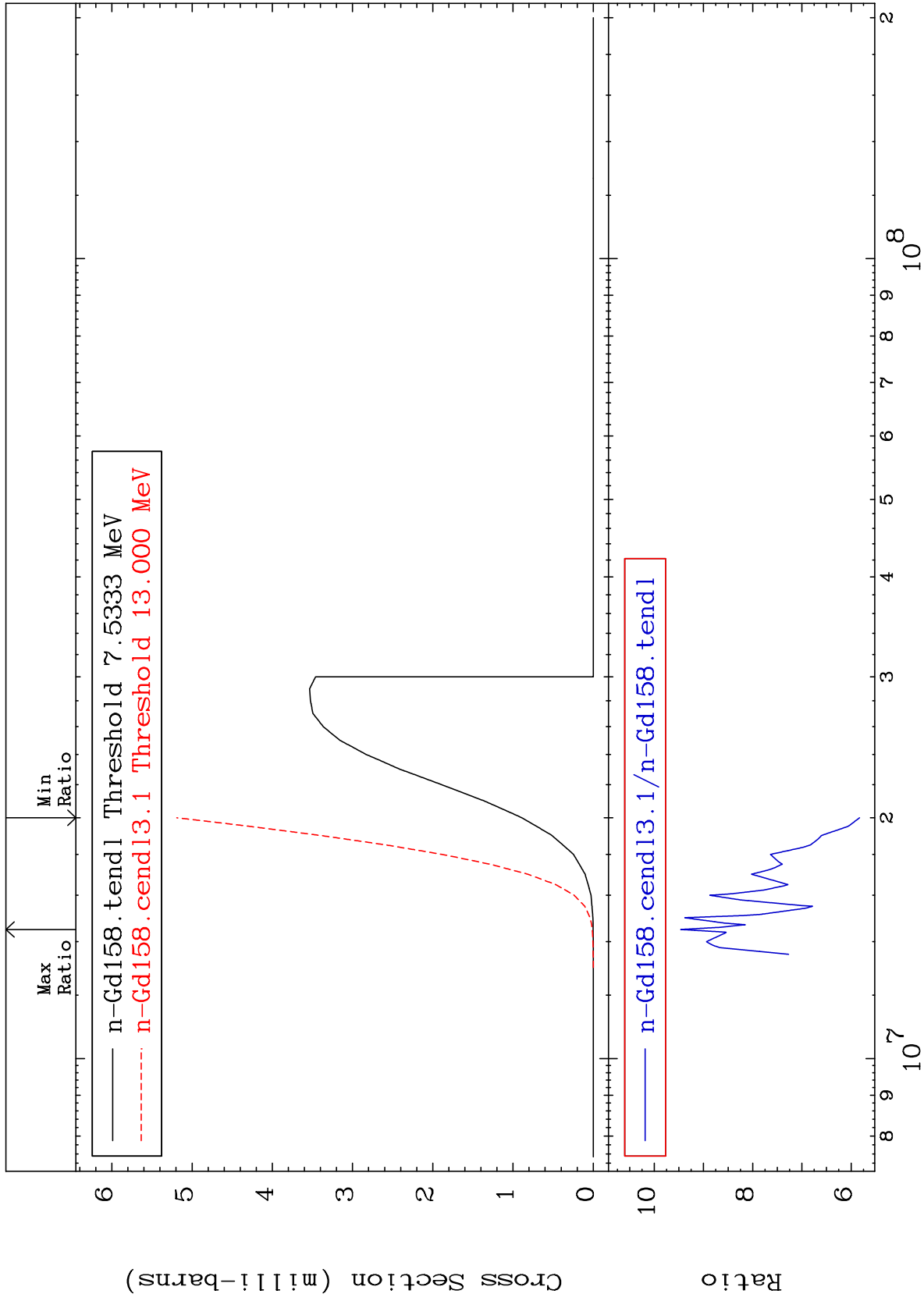
MAT 6443

(n, t)

64-Gd-158

Cross Section

482.9 To 846.2 %



31

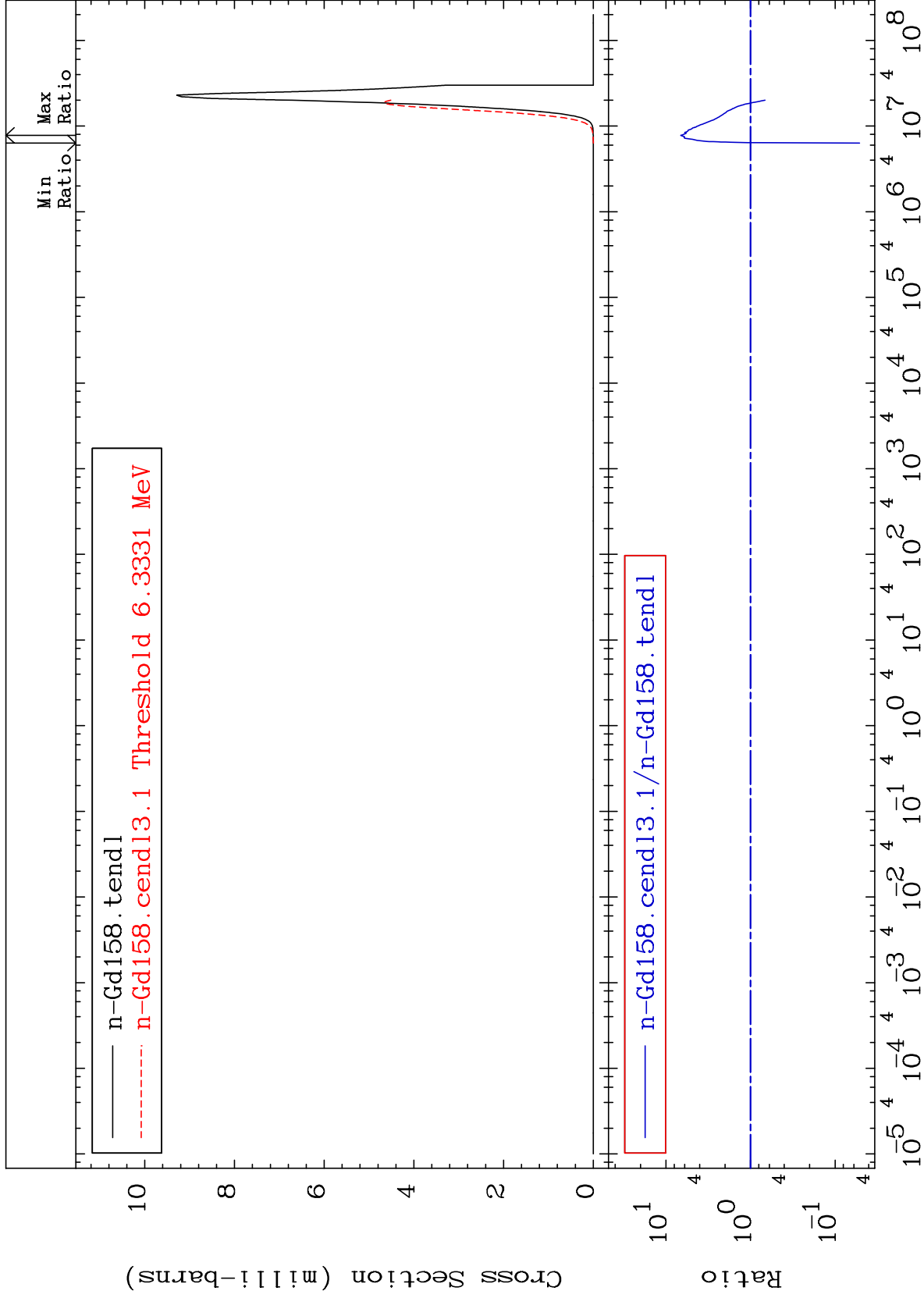
Incident Energy (eV)

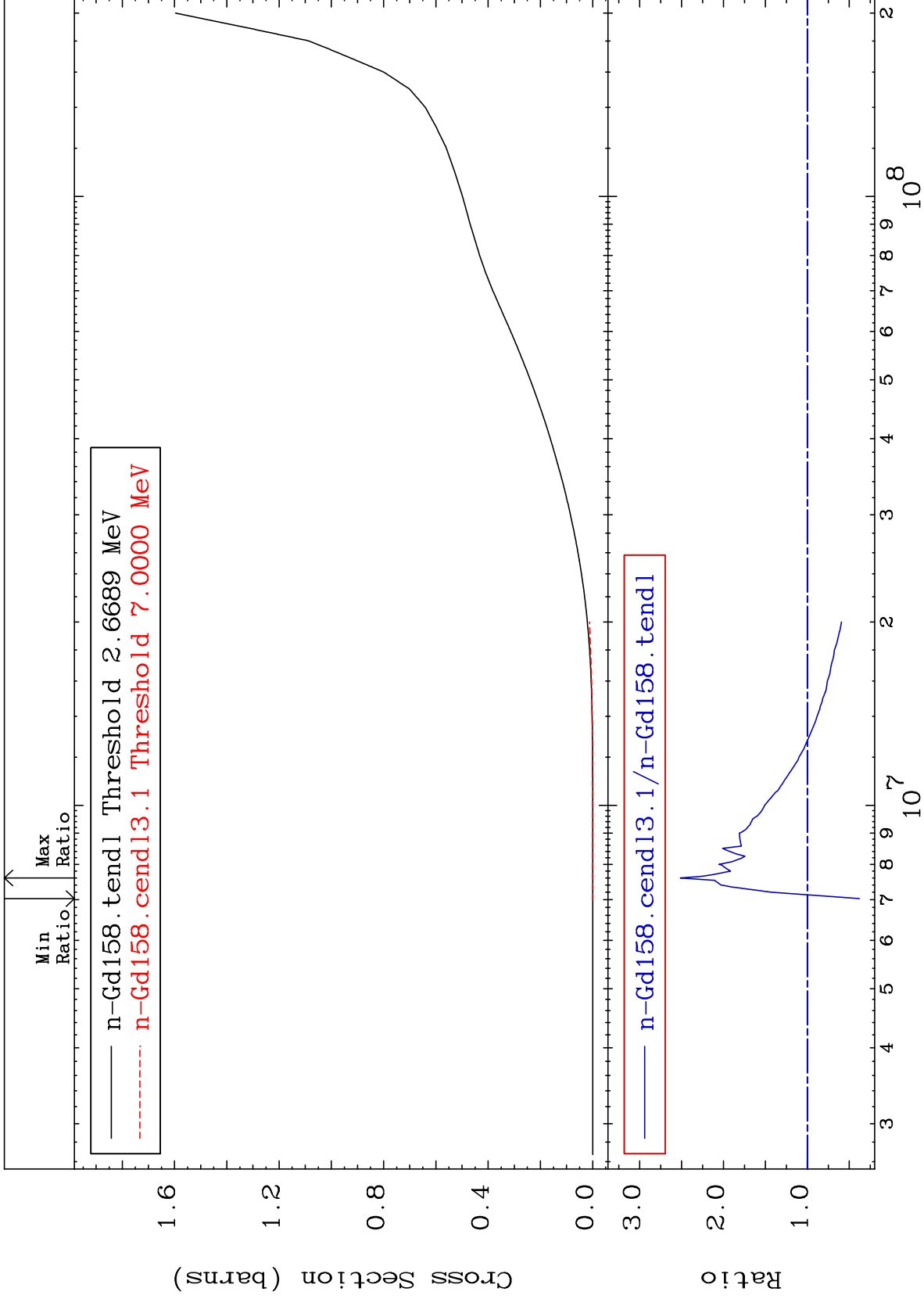
64-Gd-158

MAT 6443

(n, α)
Cross Section

64-Gd-158
-94.86 To 569.2 %

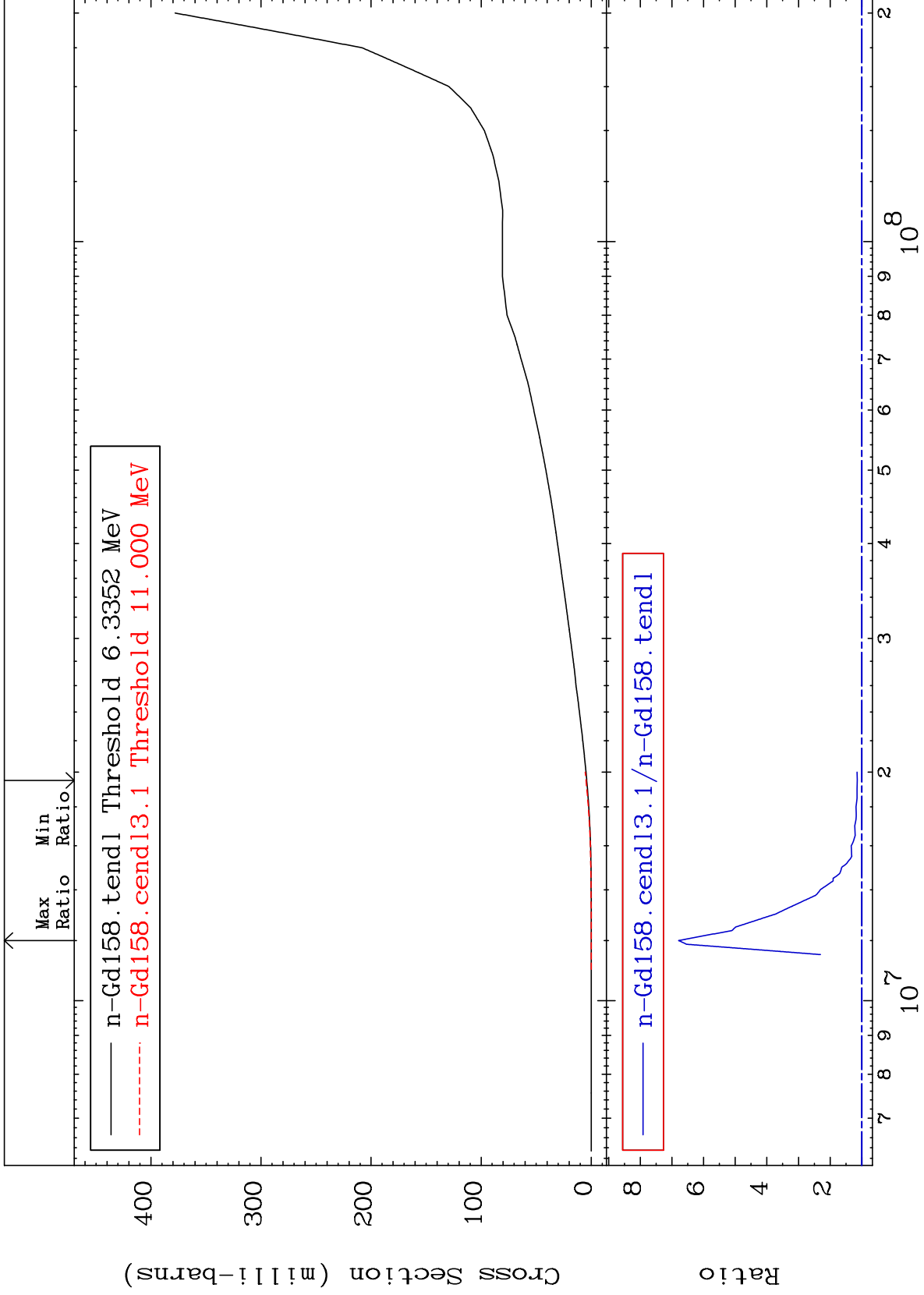




MAT 6443

Deuterium Production
Cross Section

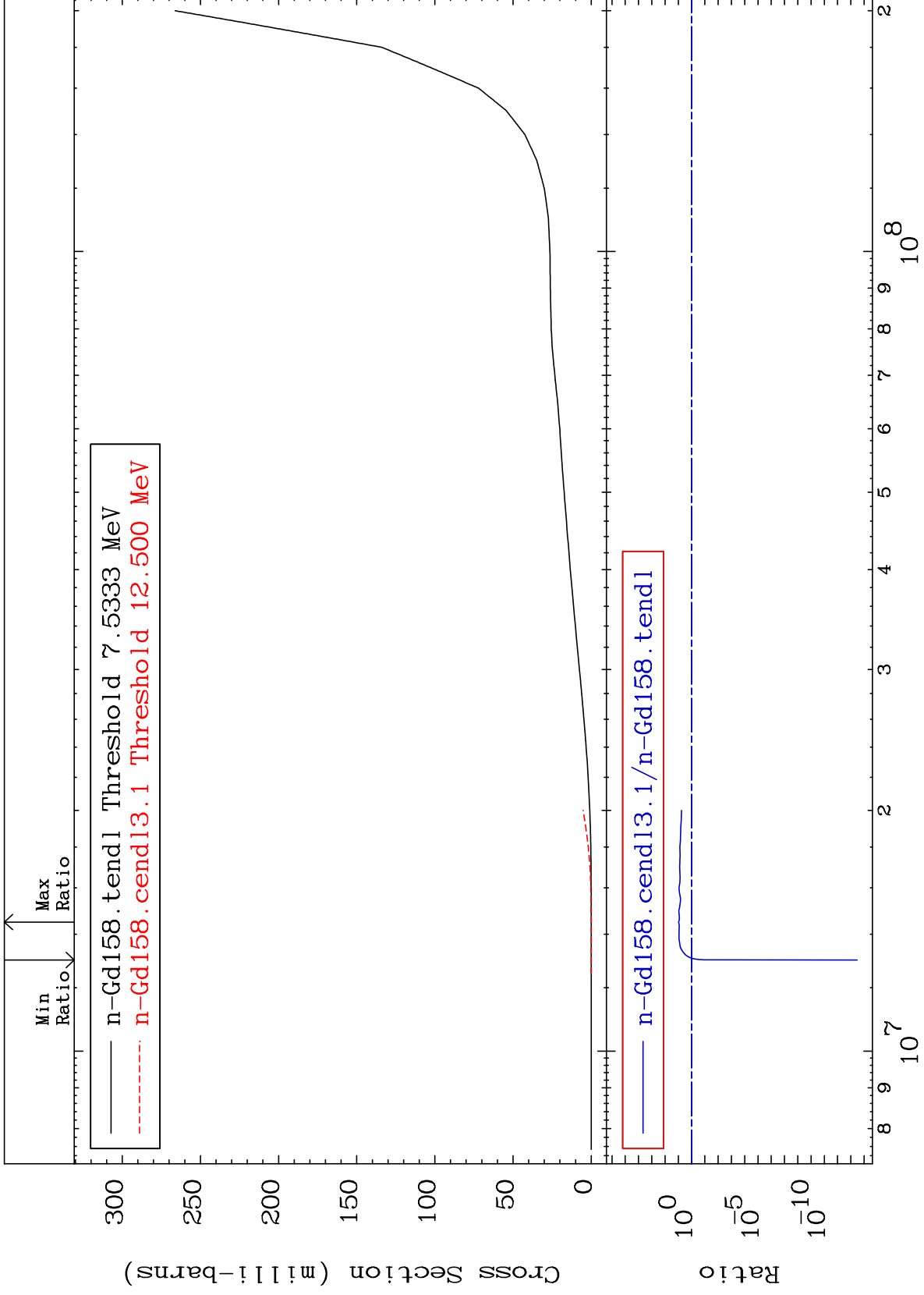
64-Gd-158
14.30 To 578.8 %



MAT 6443

Tritium Production
Cross Section

64-Gd-158
-100.0 To 846.2 %



35

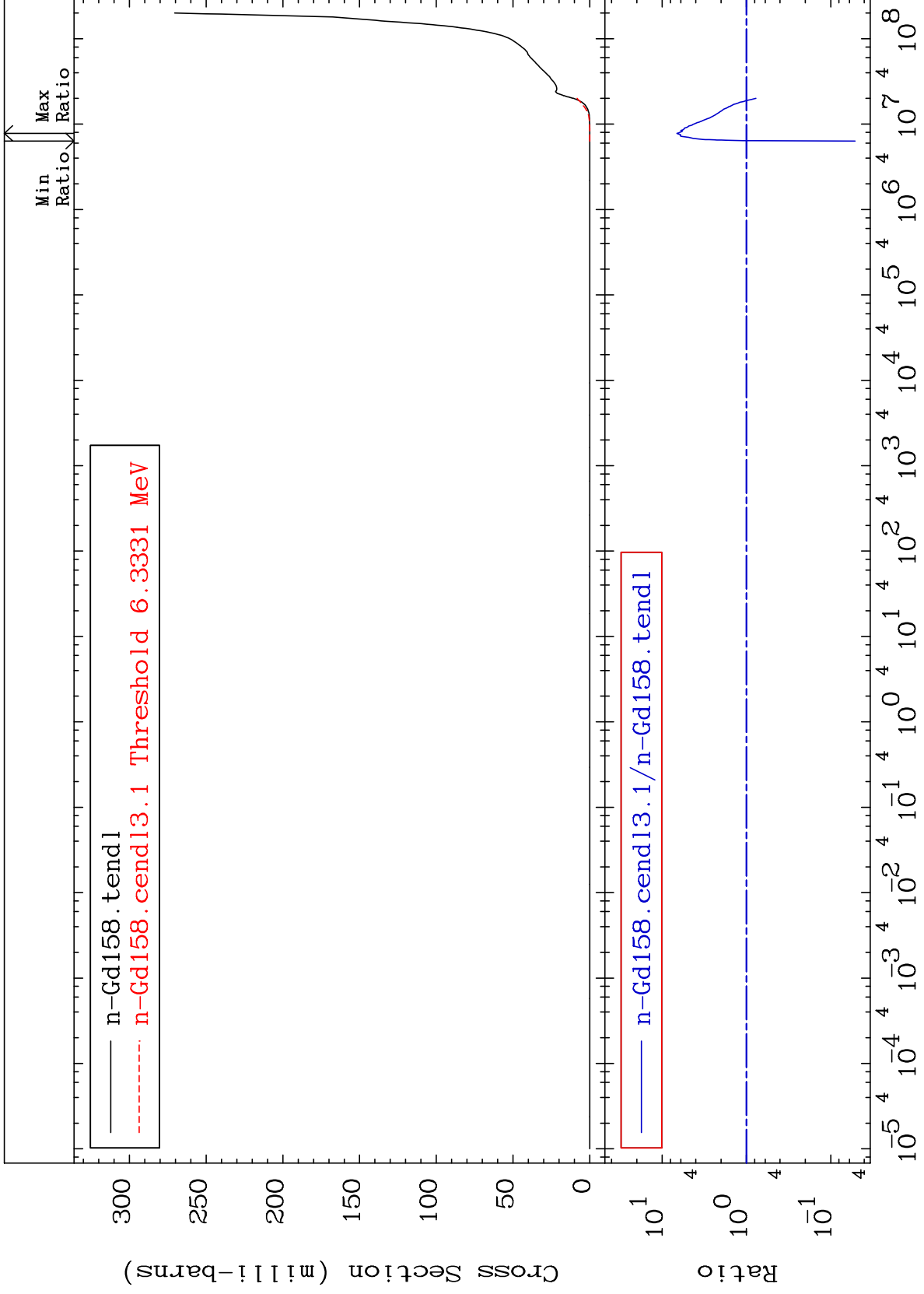
64-Gd-158

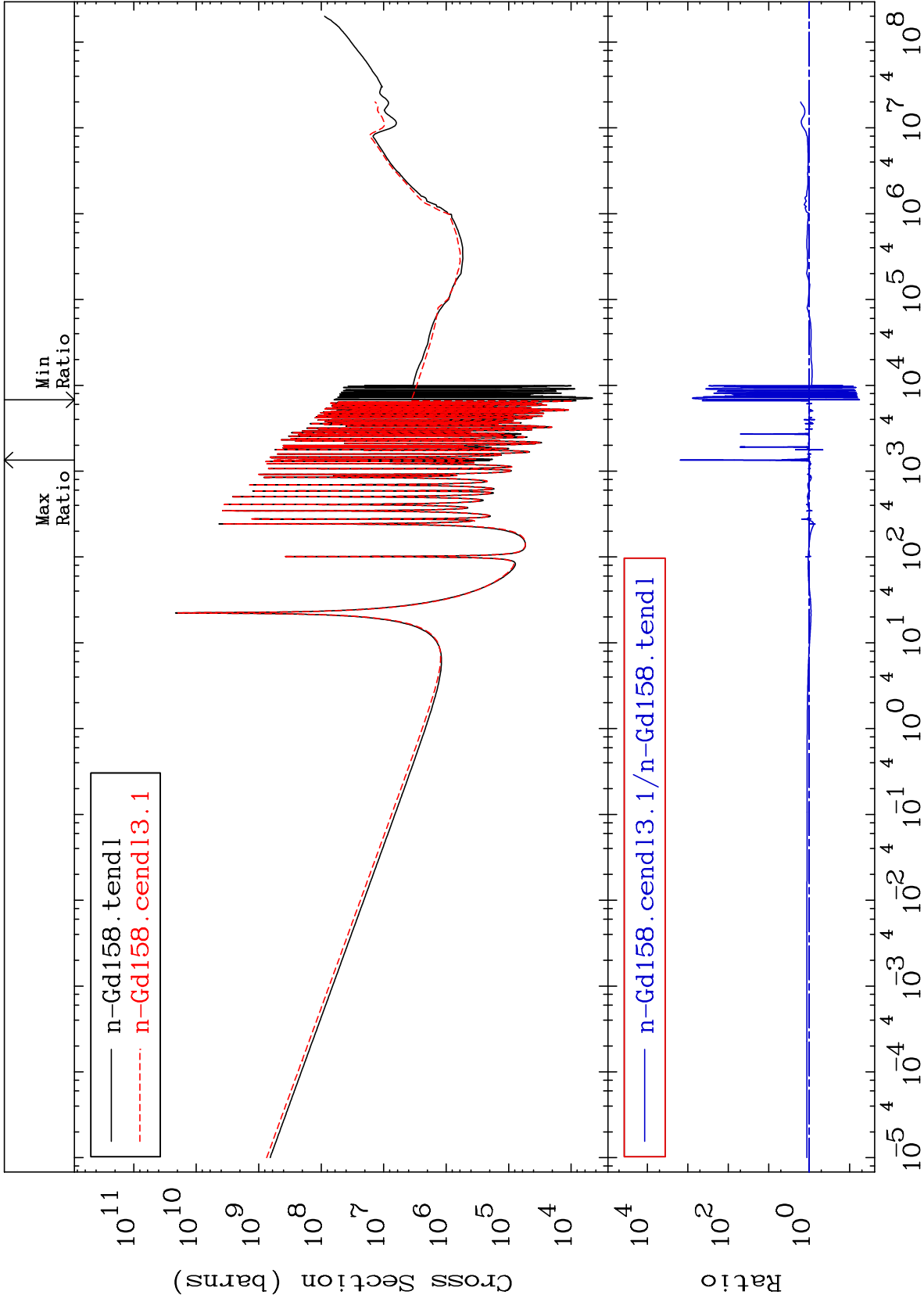
64-Gd-158

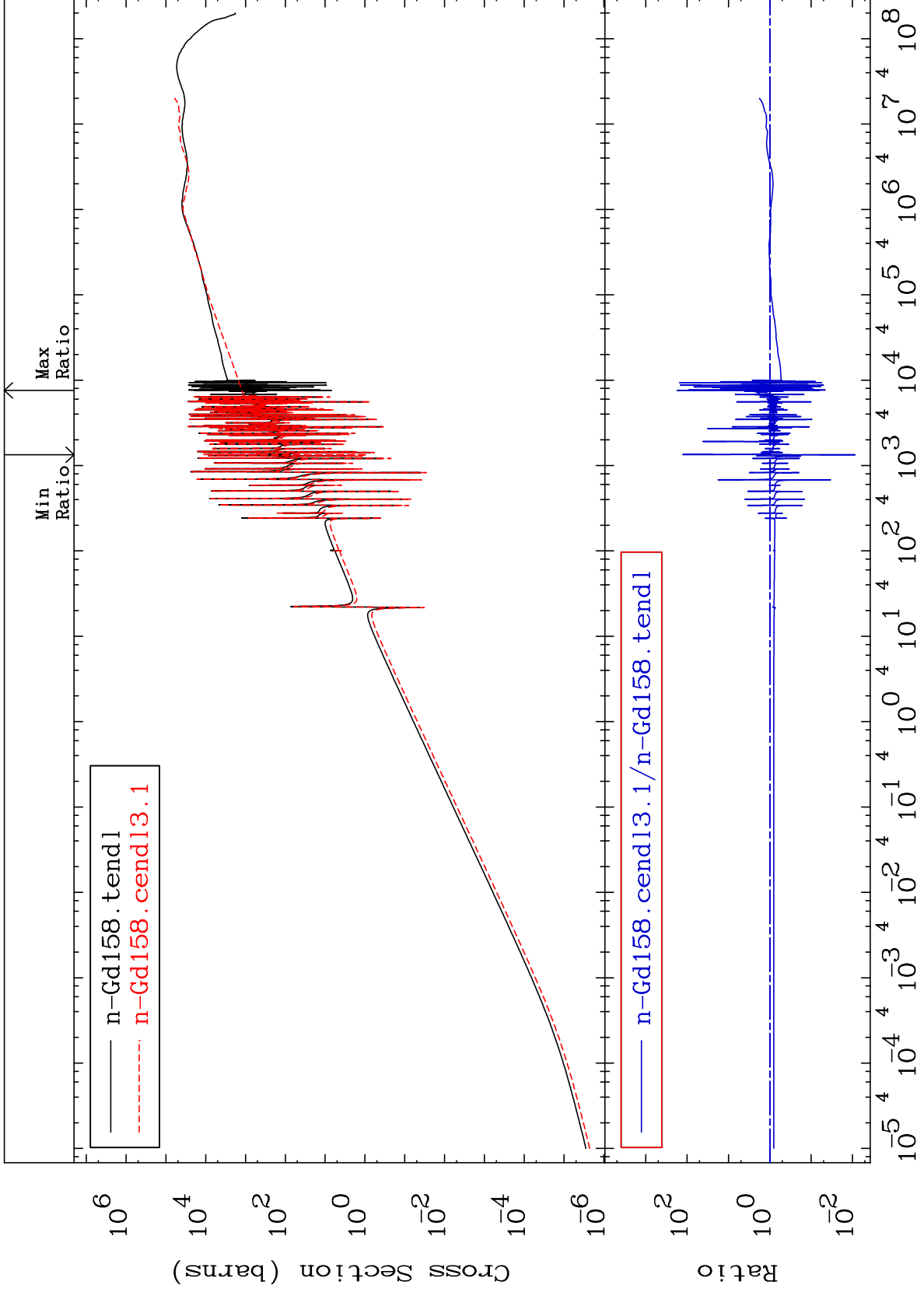
MAT 6443

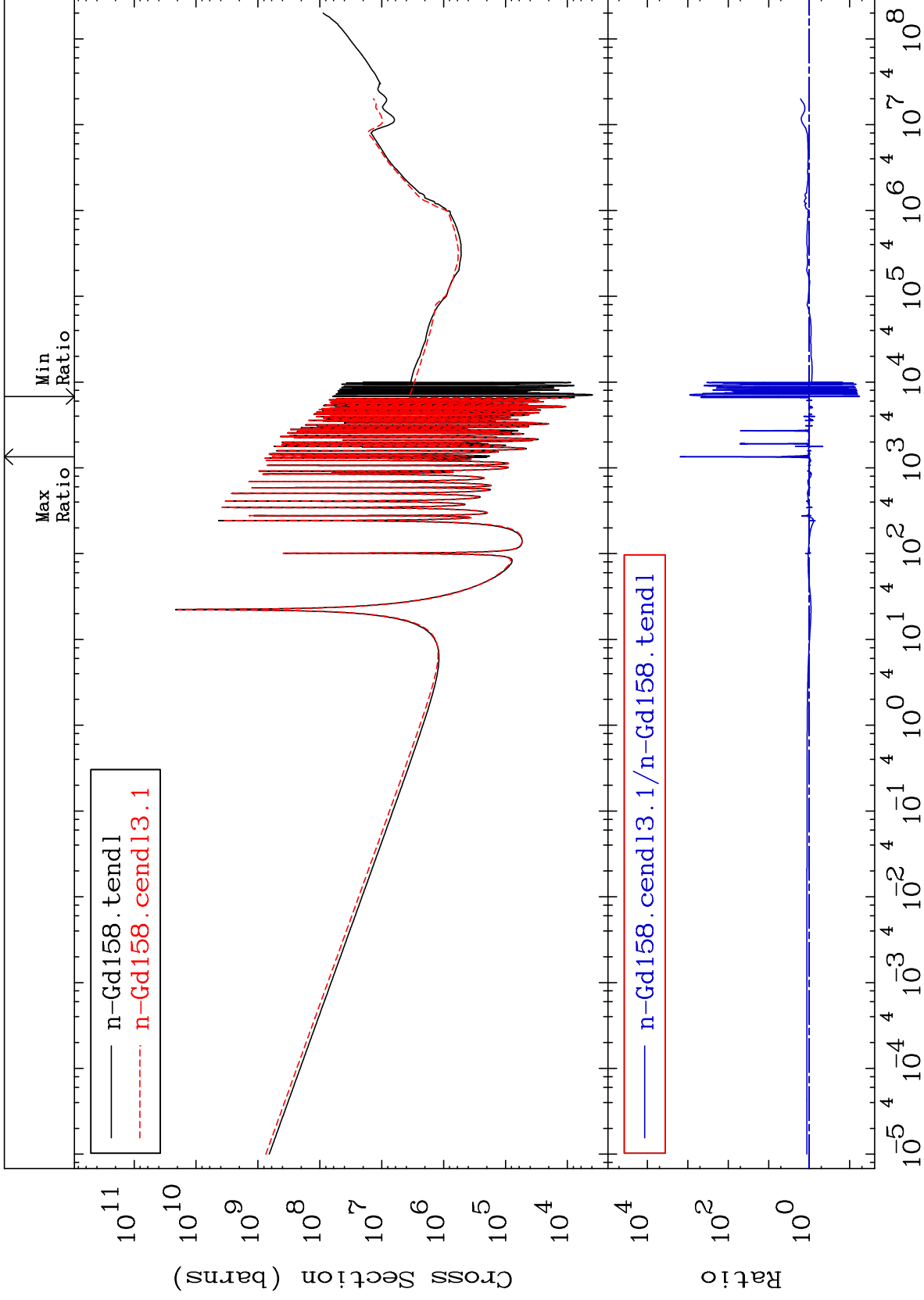
He-4 Production
Cross Section

64-Gd-158
-94.86 To 569.2 %





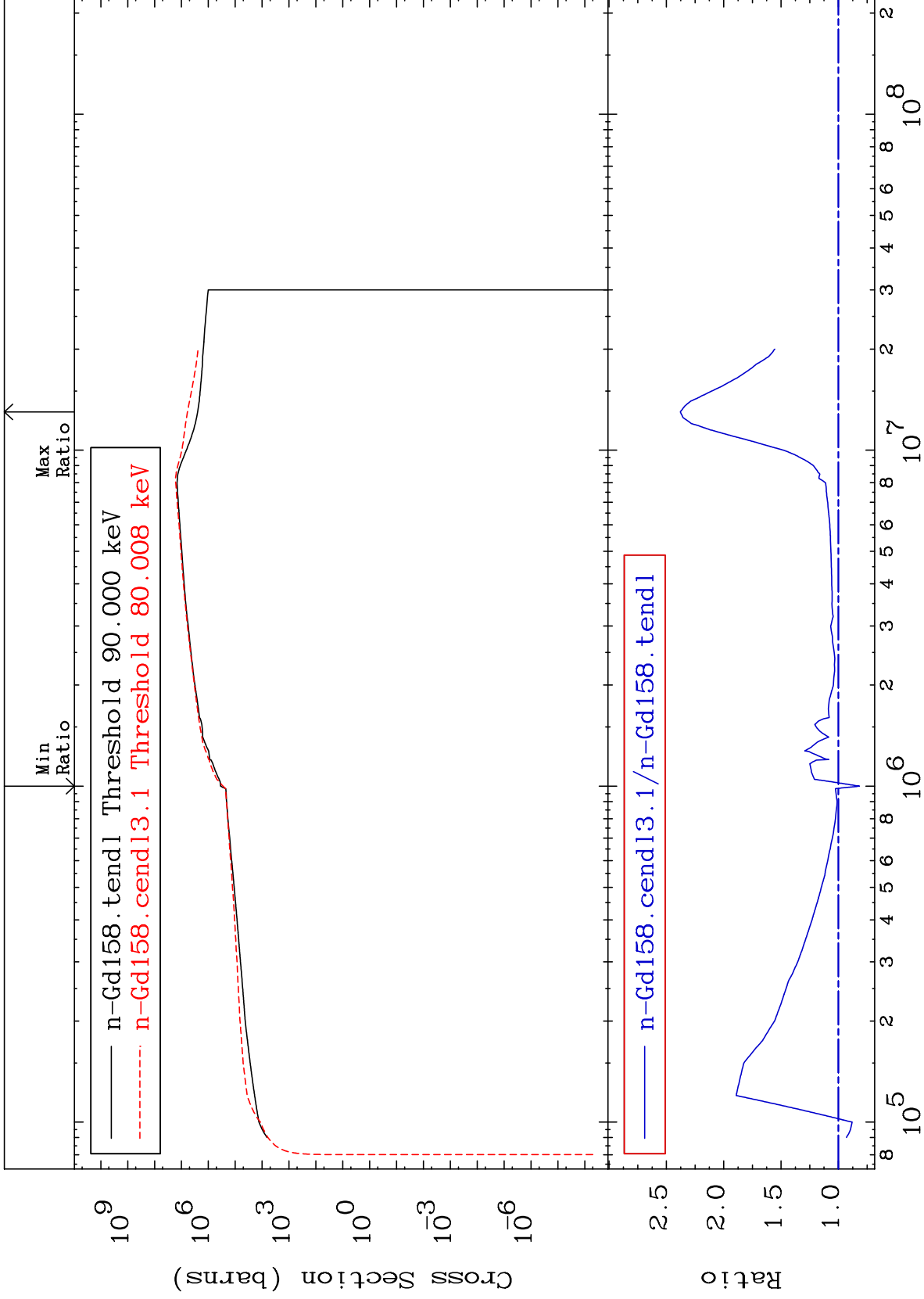




MAT 6443

Kerma inelastic (mt51-91)
Cross Section

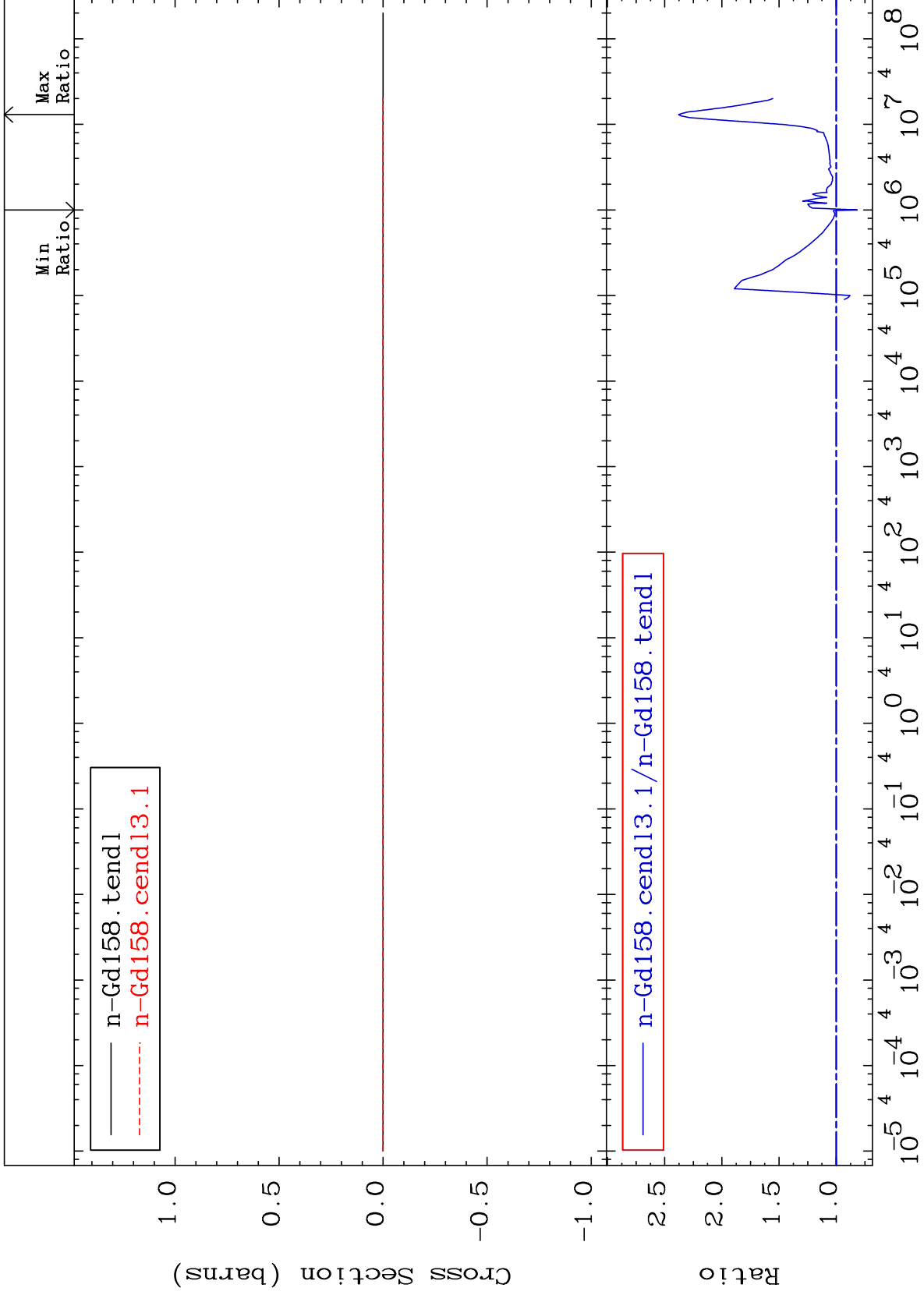
64-Gd-158
-18.36 To 137.8 %



MAT 6443

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

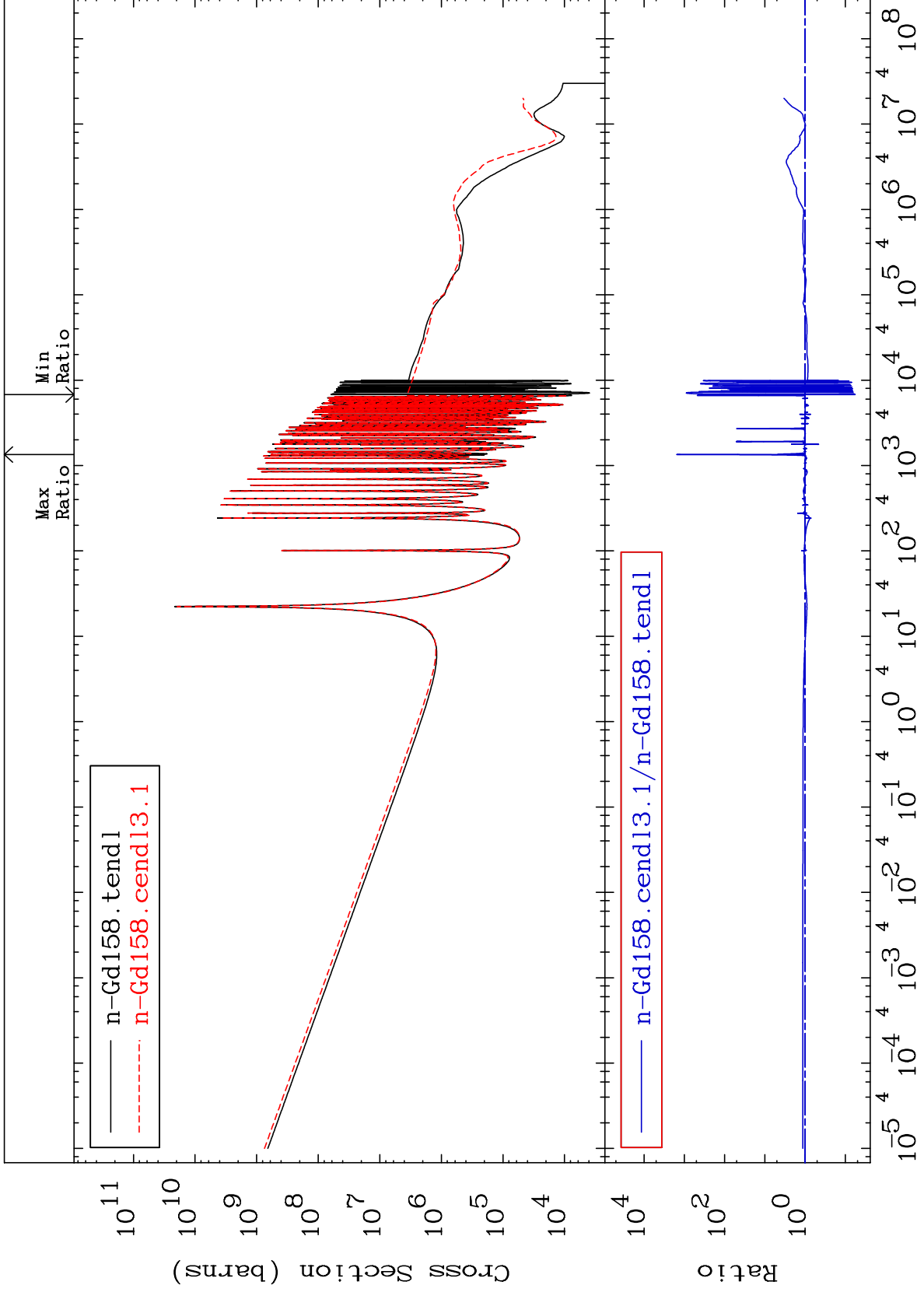
64-Gd-158
-18.36 To 137.8 %



MAT 6443

Kerma capture (mt102)
Cross Section

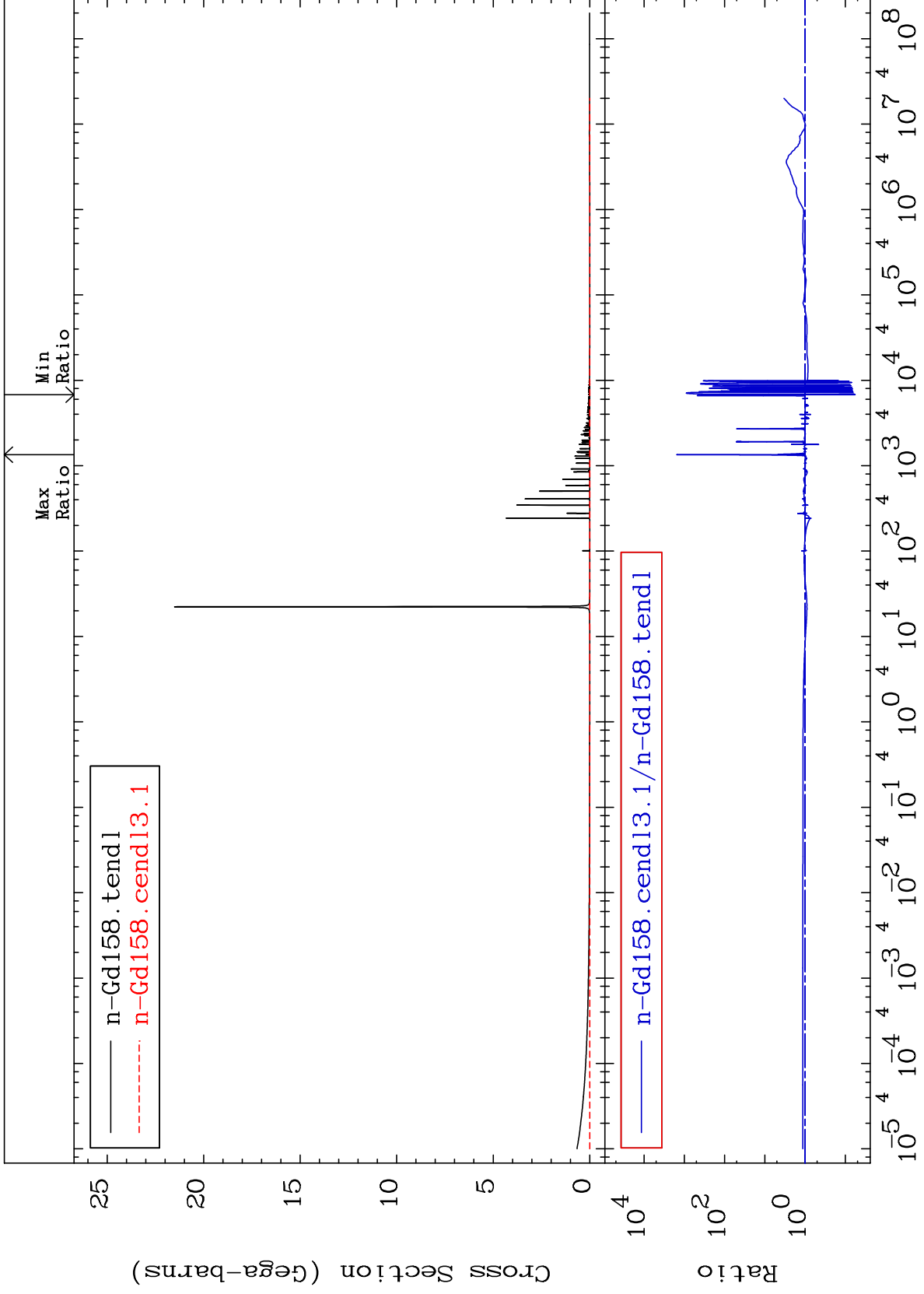
64-Gd-158
-94.26 To 9999. %



MAT 6443

Total photon (eV-barns)
Cross Section

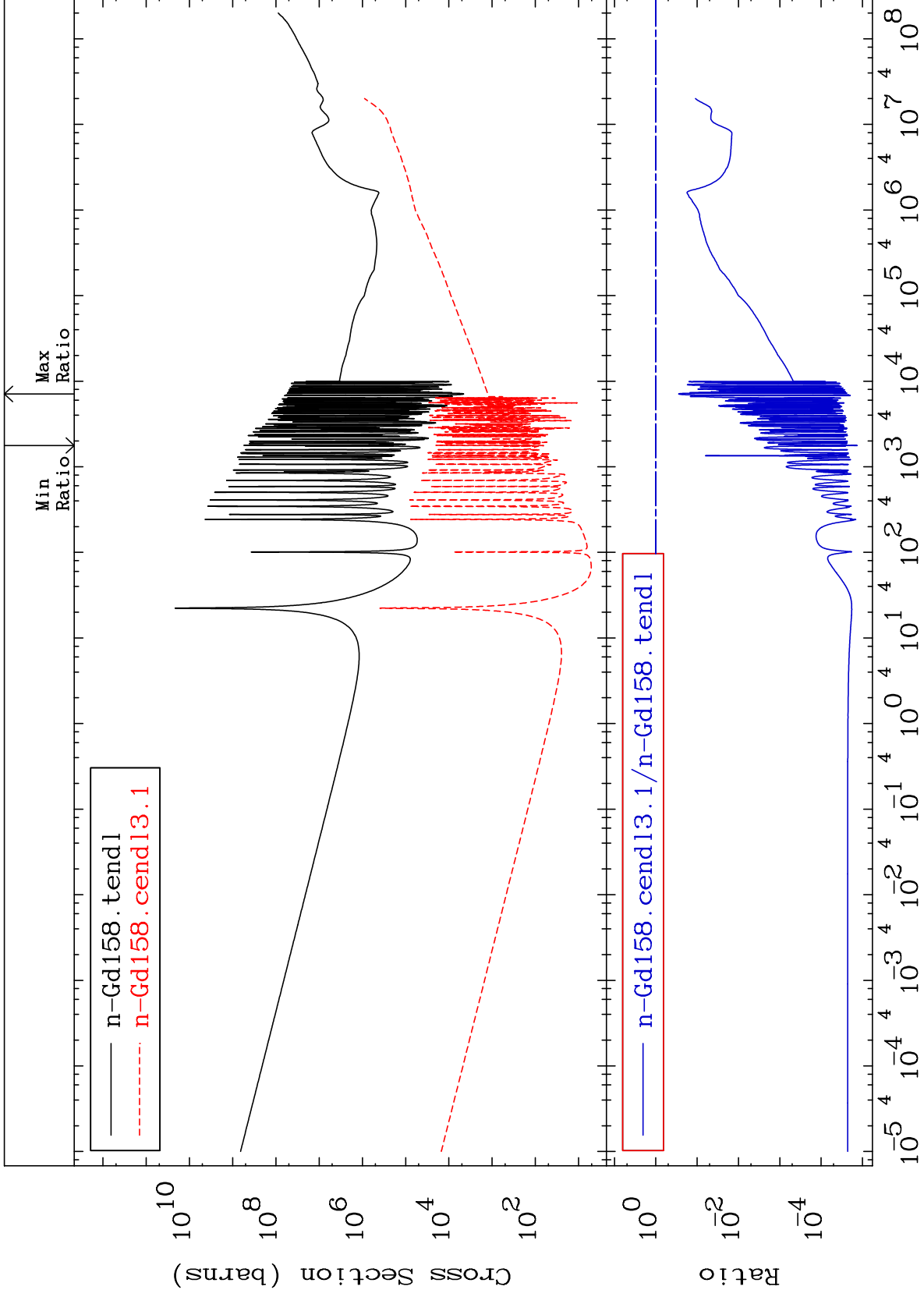
64-Gd-158
-94.26 To 9999. %



43

Incident Energy (eV)

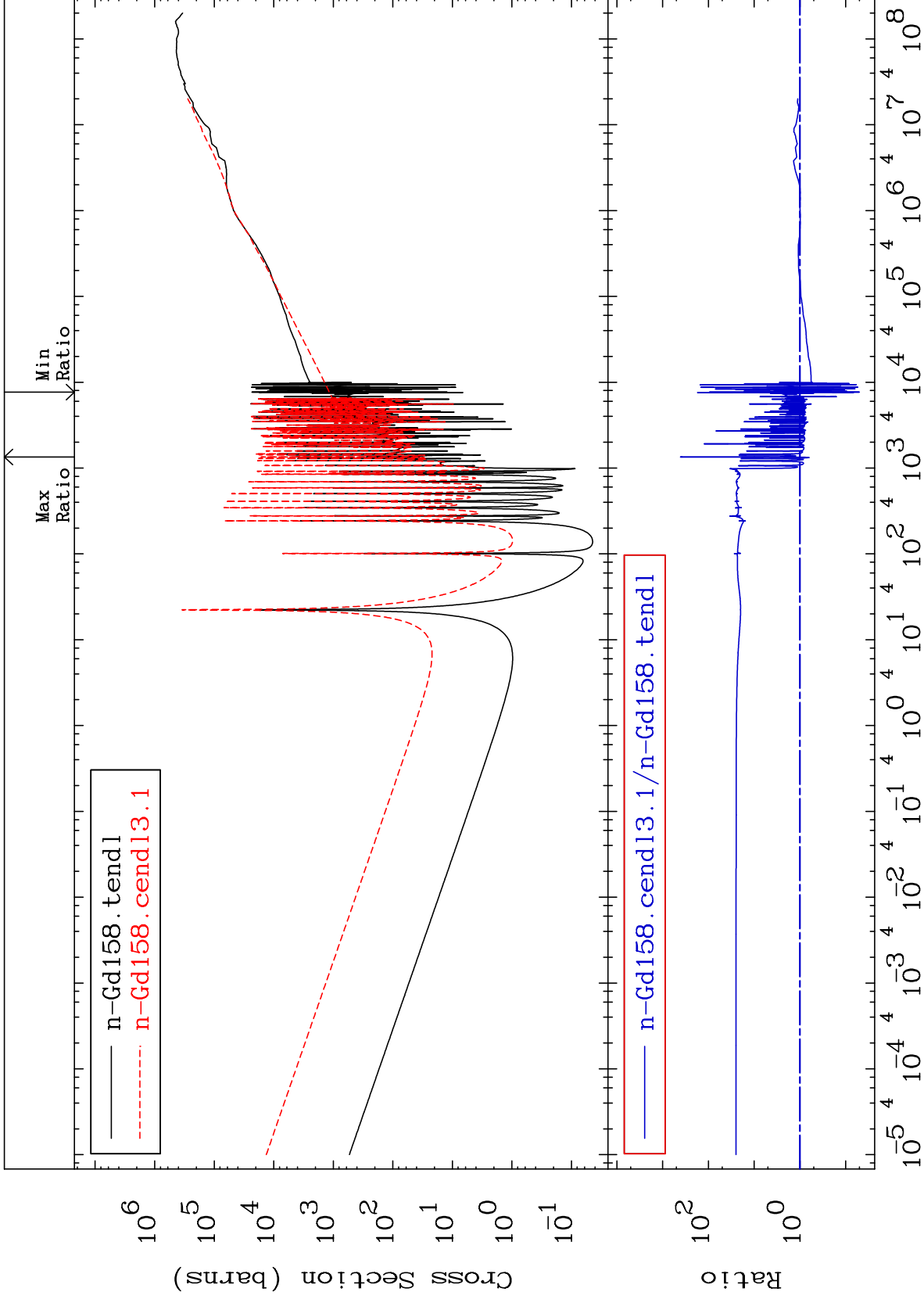
64-Gd-158



MAT 6443

Dpa total (eV-barns)
Cross Section

64-Gd-158
-95.01 To 9999. %



45

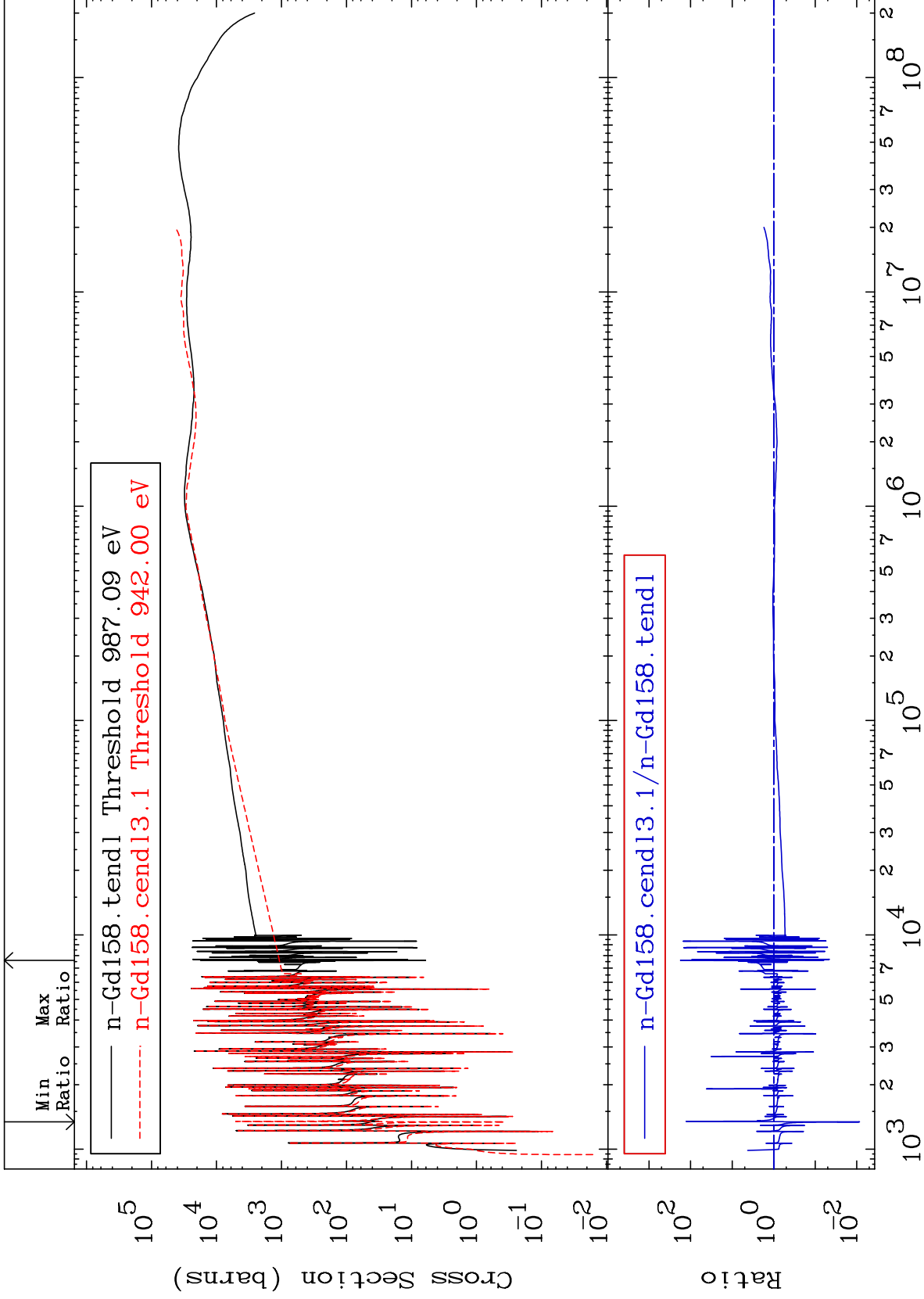
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa elastic (mt2)
Cross Section

64-Gd-158
-99.14 To 9999. %



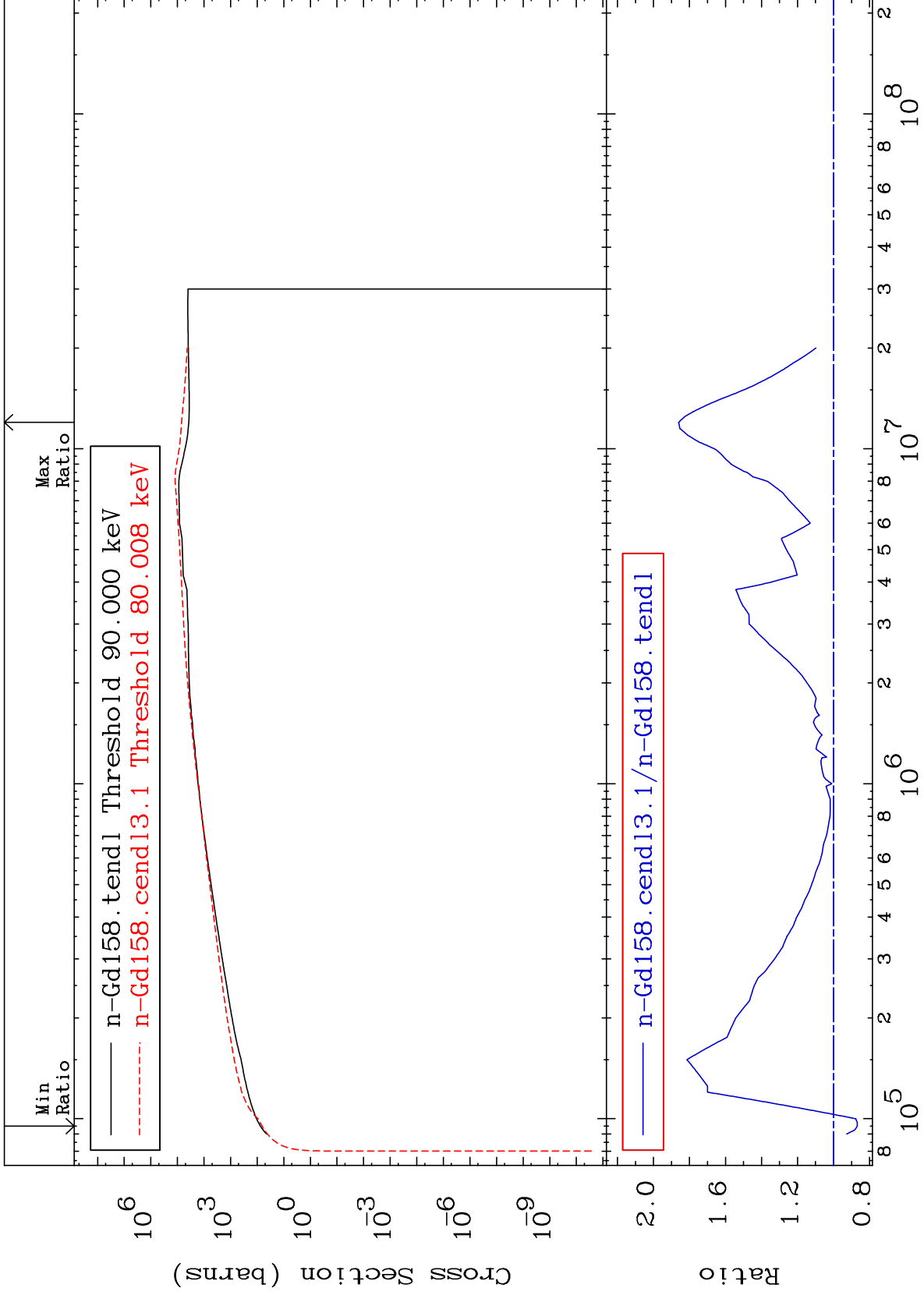
46

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91)
Cross Section

64-Gd-158
-13.17 To 86.04 %



47

64-Gd-158

