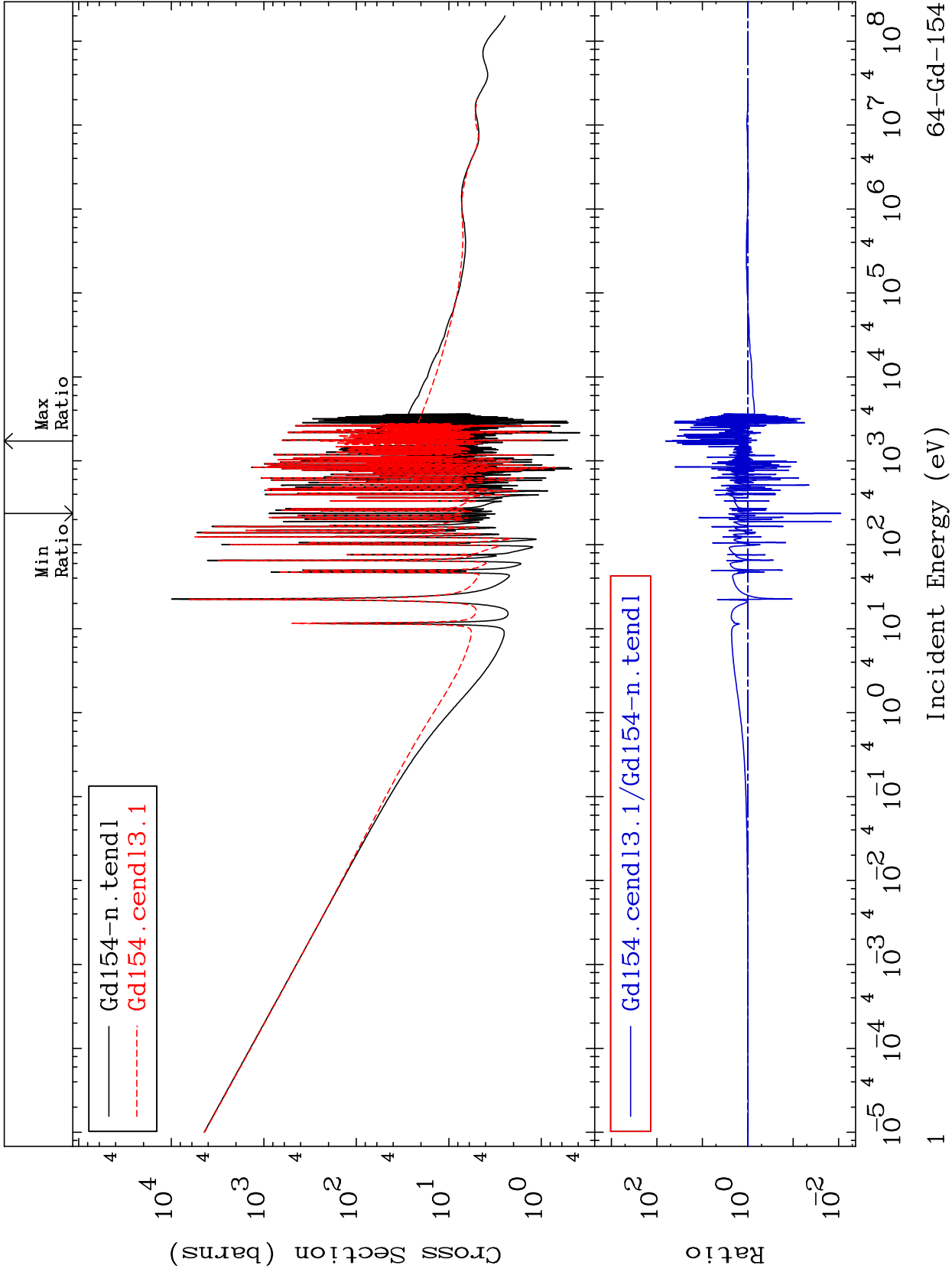


MAT 6431

Total
Cross Section

64-Gd-154
-99.10 To 6368. %

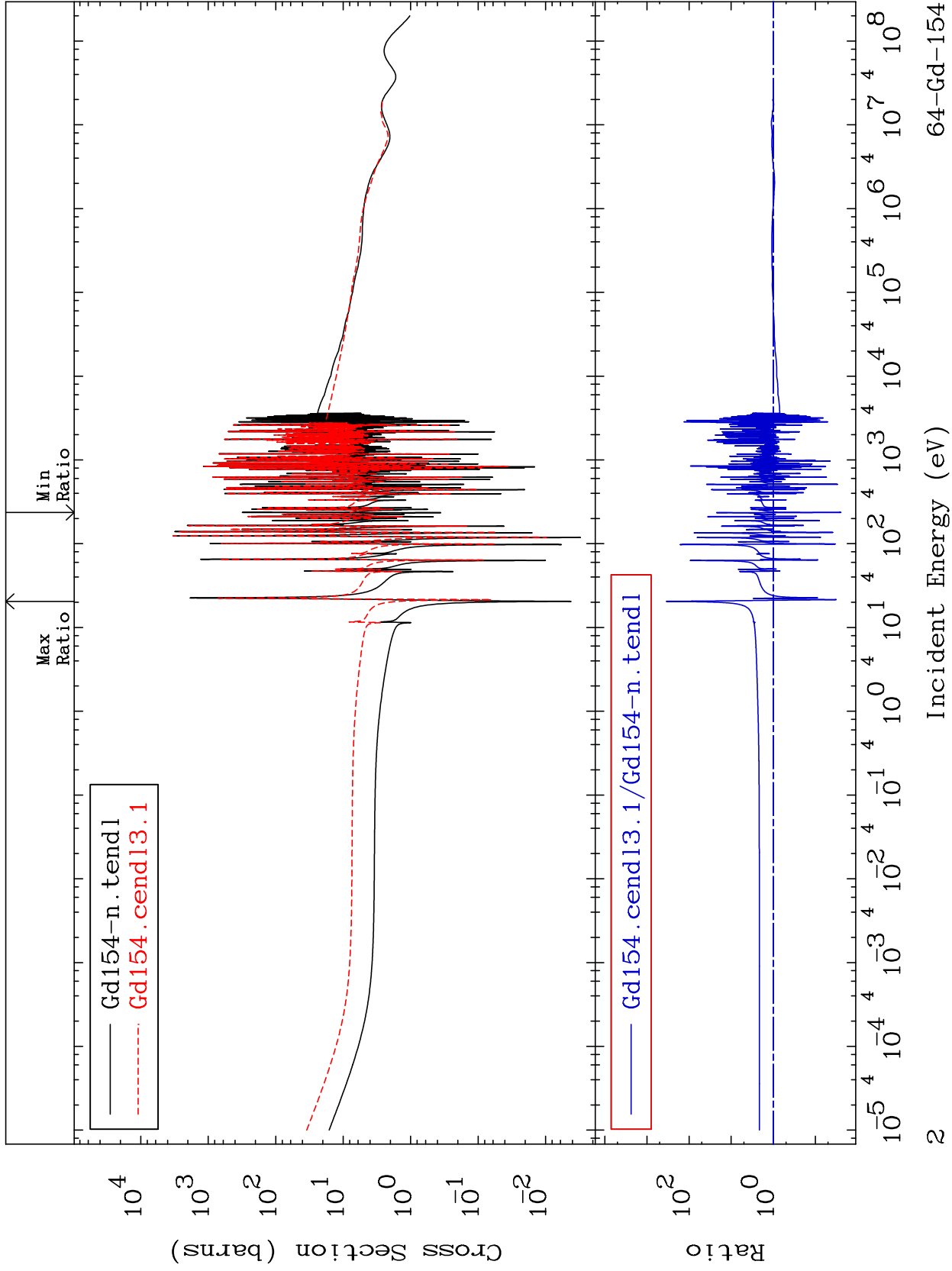


64-Gd-154

Incident Energy (eV)

MAT 6431

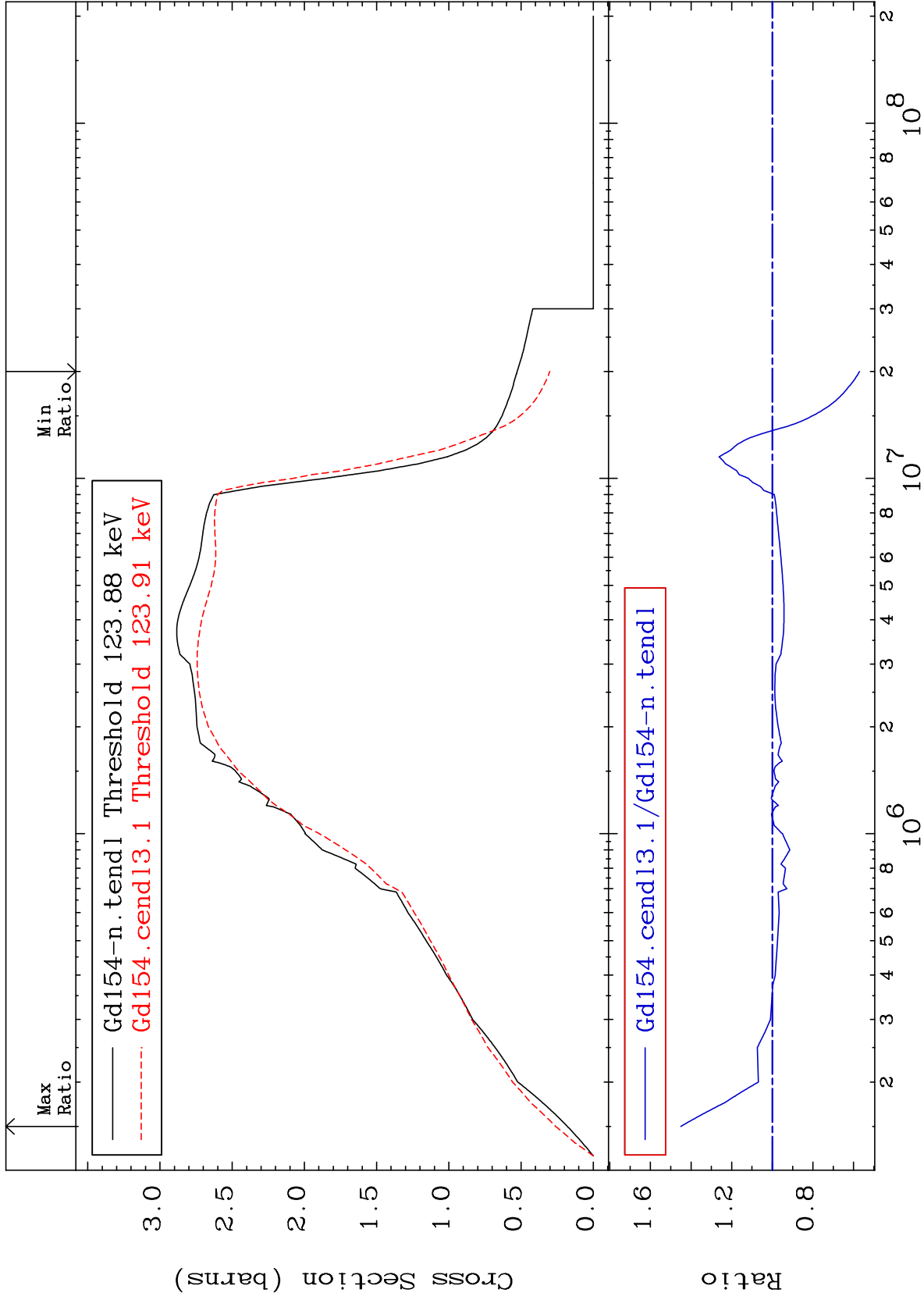
Elastic Cross Section
64-Gd-154
-97.51 To 9999. %



64-Gd-154

Incident Energy (eV)

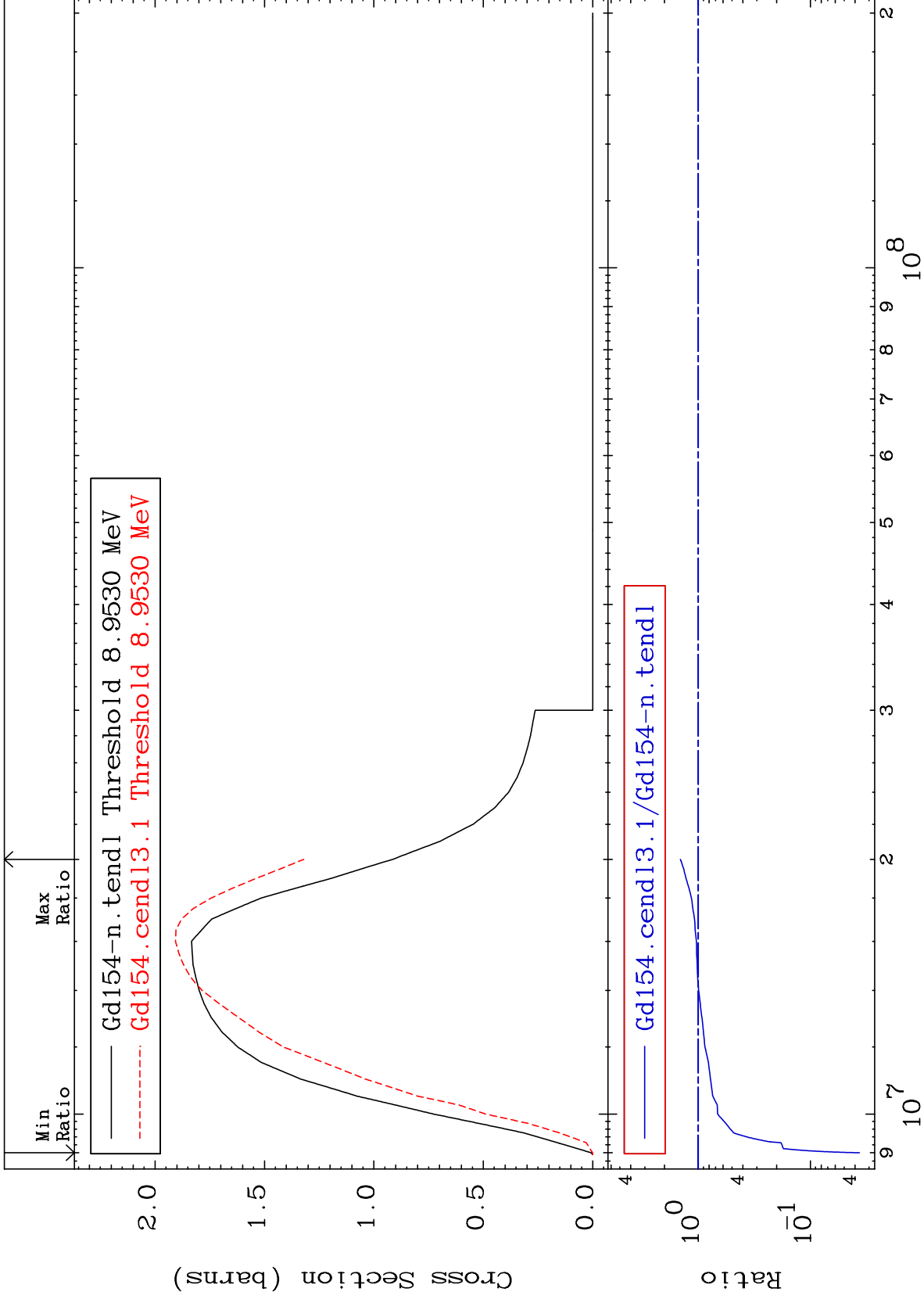
2



MAT 6431

(n,2n)
Cross Section

64-Gd-154
-96.35 To 44.52 %

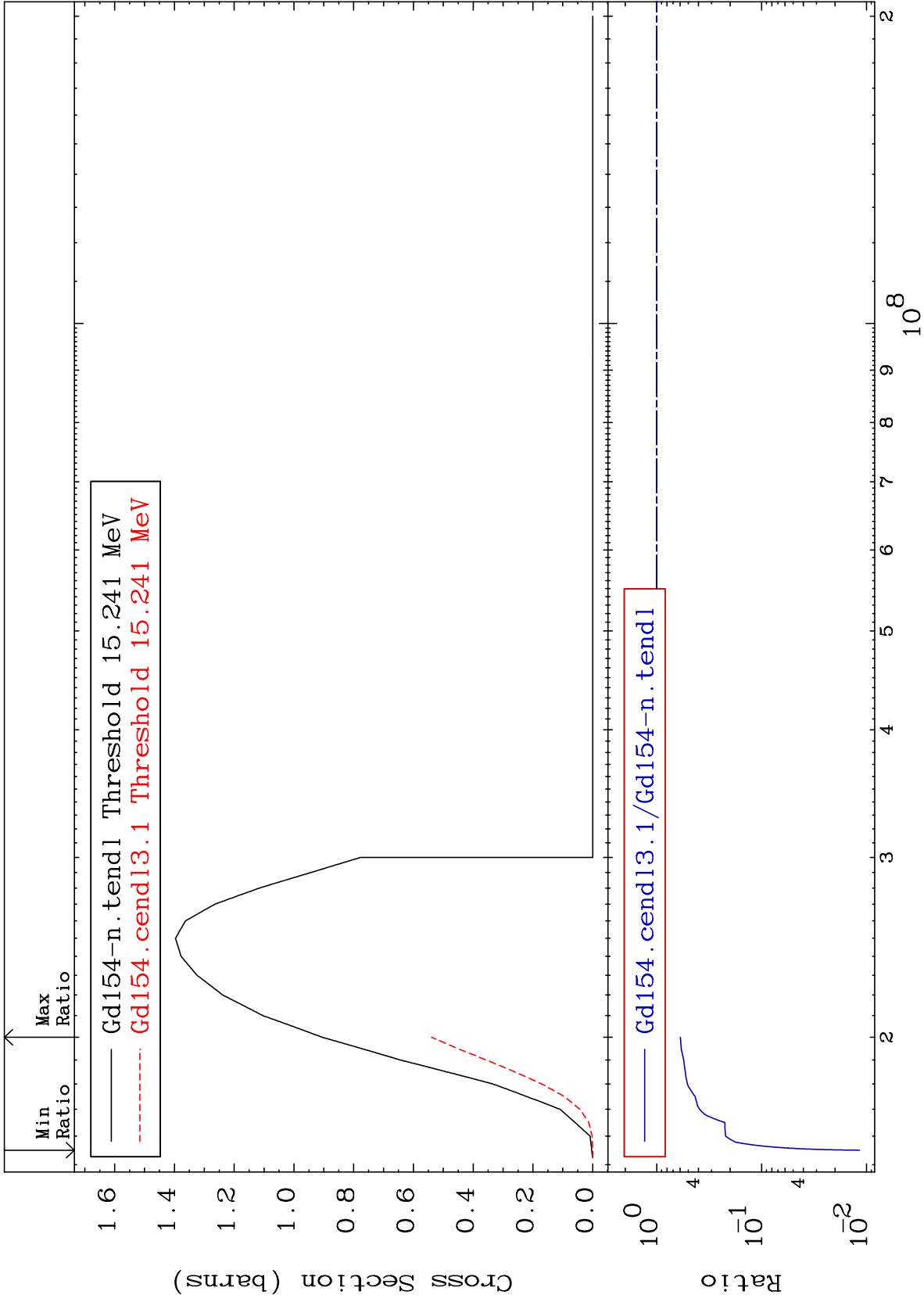


Incident Energy (eV)

64-Gd-154

Cross Section

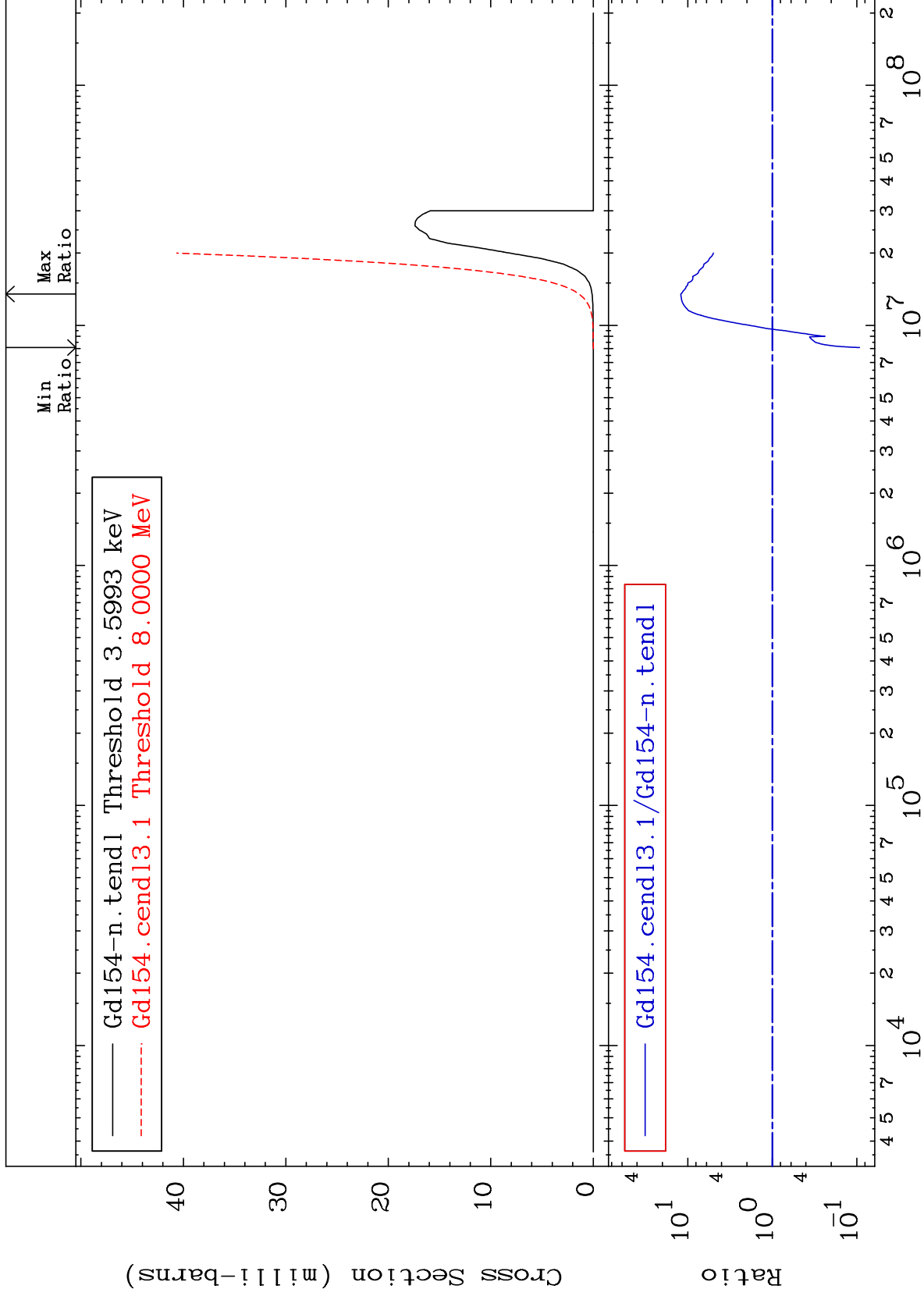
-98.83 To -40.44%



MAT 6431

(n, n') α
Cross Section

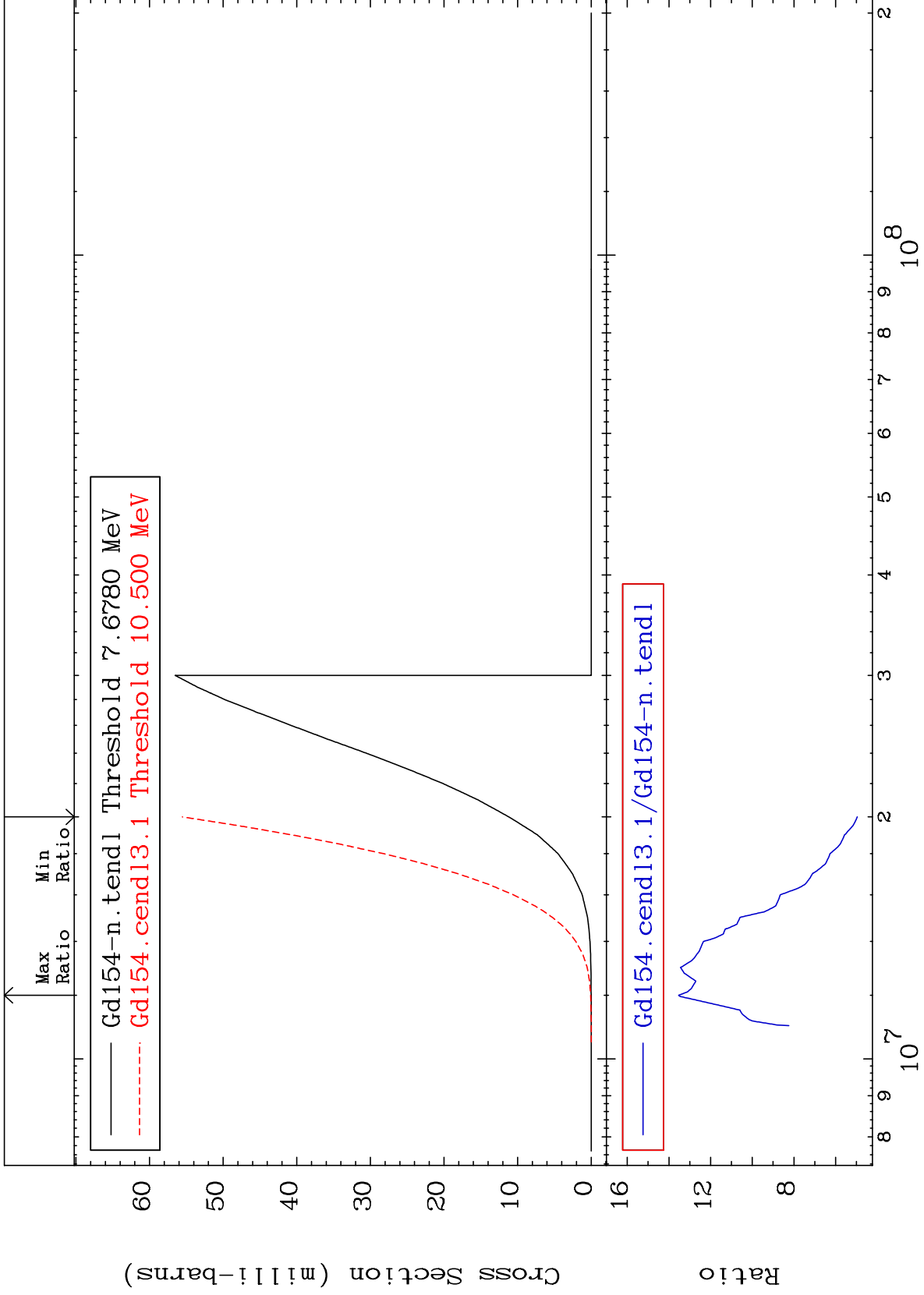
64-Gd-154
-90.73 To 1112. %



MAT 6431

(n,n') p
Cross Section

64-Gd-154
396.0 To 1253. %



7

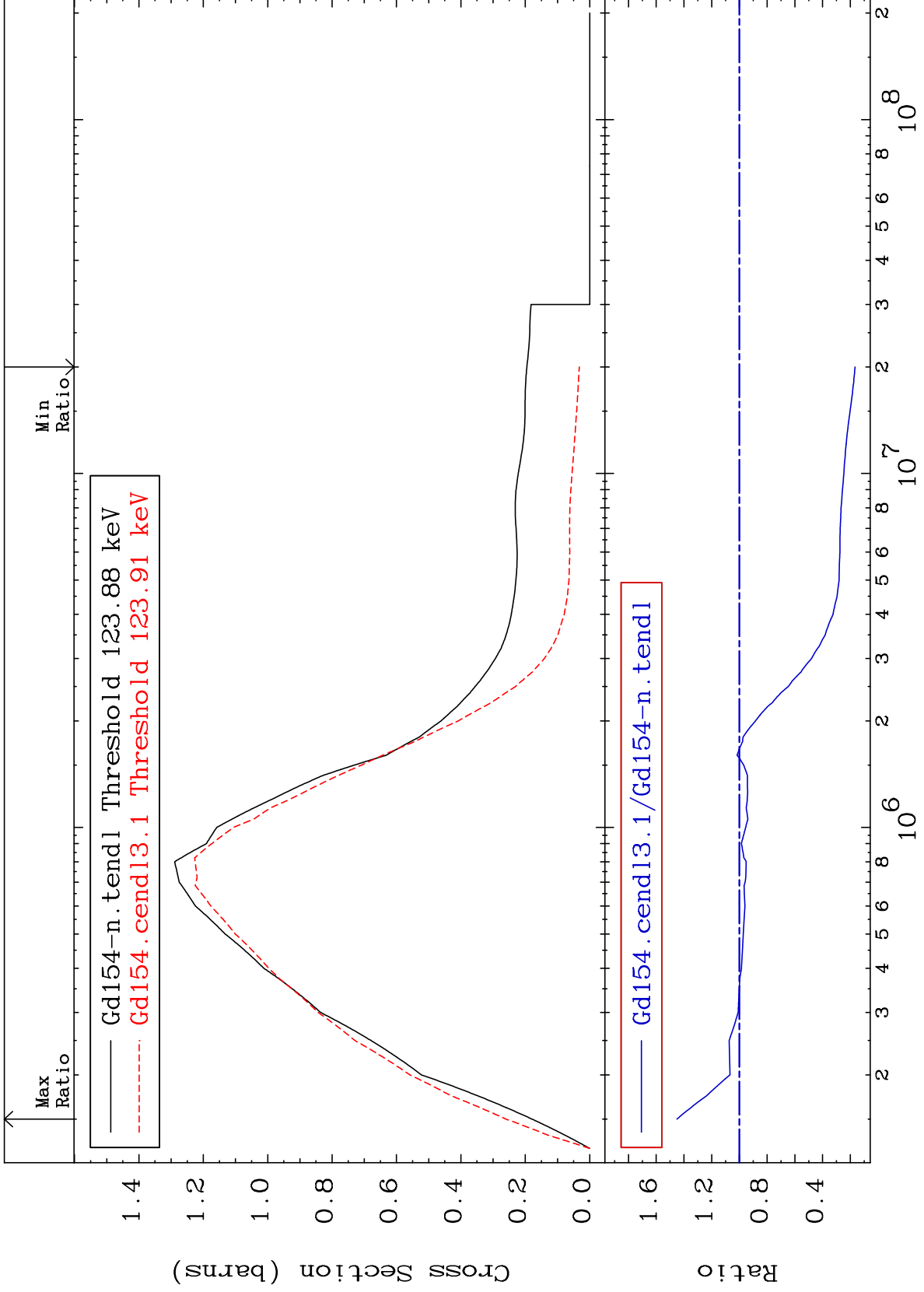
Incident Energy (eV)

64-Gd-154

MAT 6431

123.1 keV (n,n') Level
Cross Section

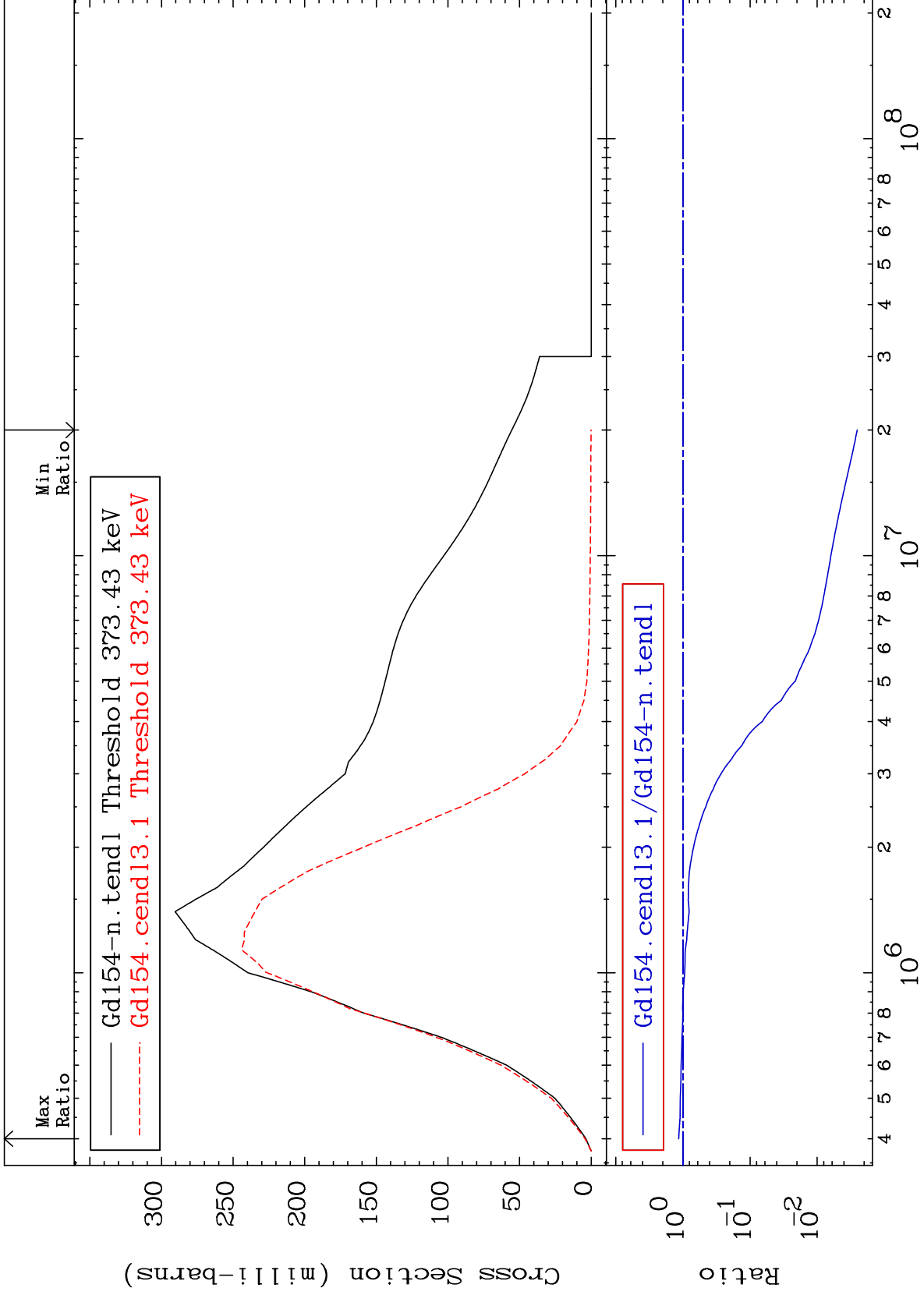
64-Gd-154
-83.44 To 45.06 %



MAT 6431

371.0 keV (n,n') Level
Cross Section

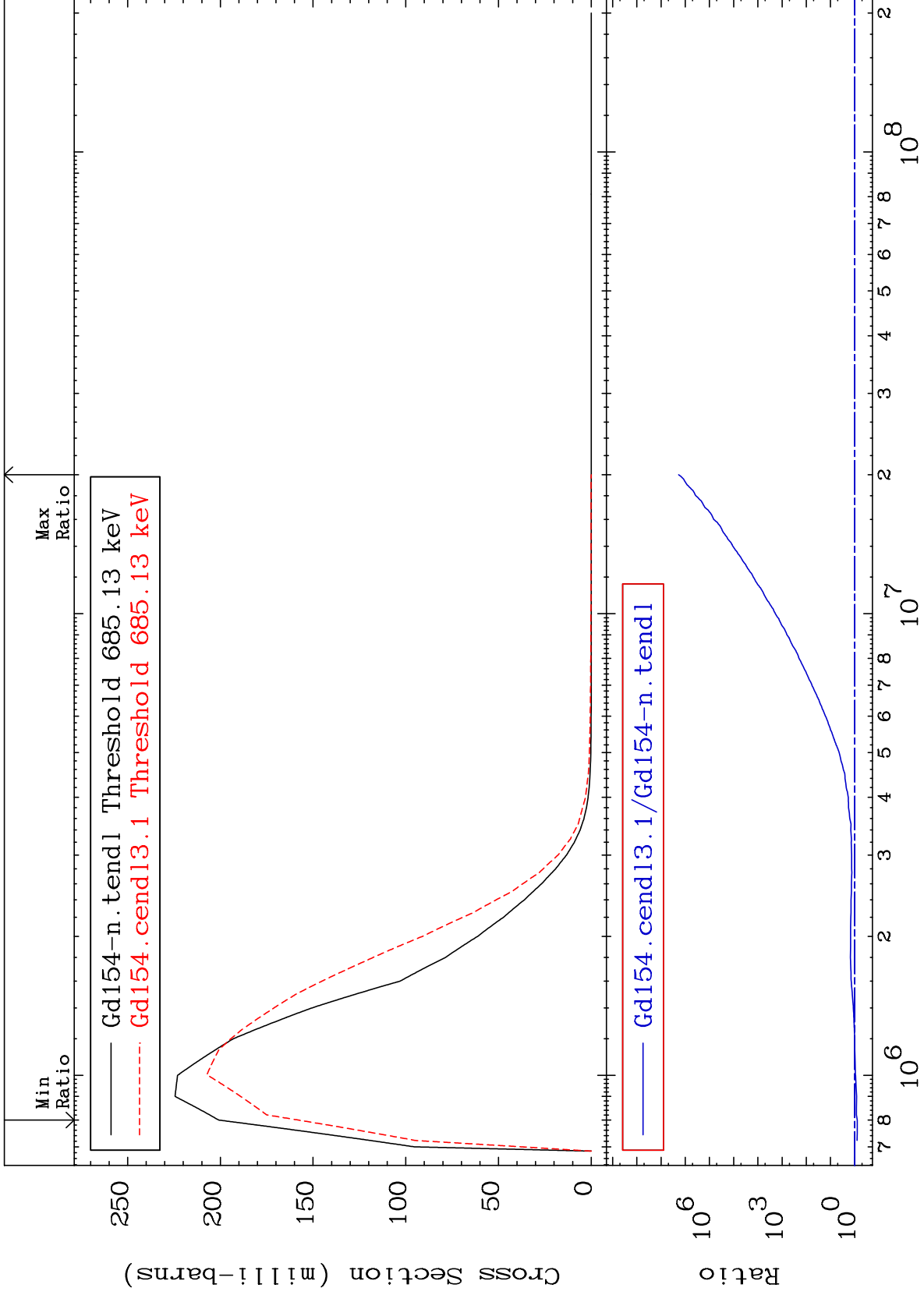
64-Gd-154
-99.75 To 15.87 %



MAT 6431

680.7 keV (n,n') Level
Cross Section

64-Gd-154
-21.36 To 9999. %



10

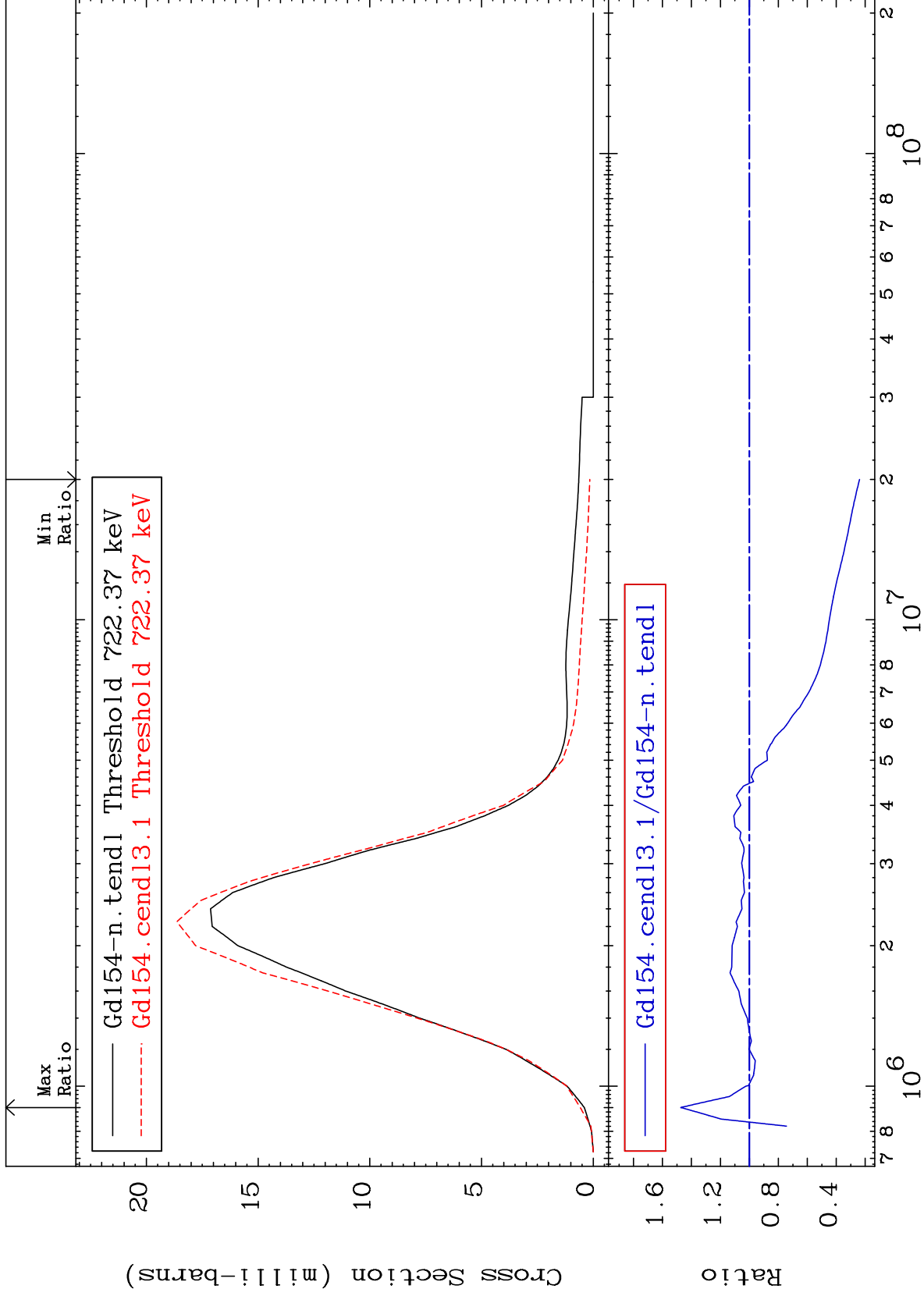
Incident Energy (eV)

64-Gd-154

MAT 6431

717.7 keV (n,n') Level
Cross Section

64-Gd-154
-76.05 To 47.37 %



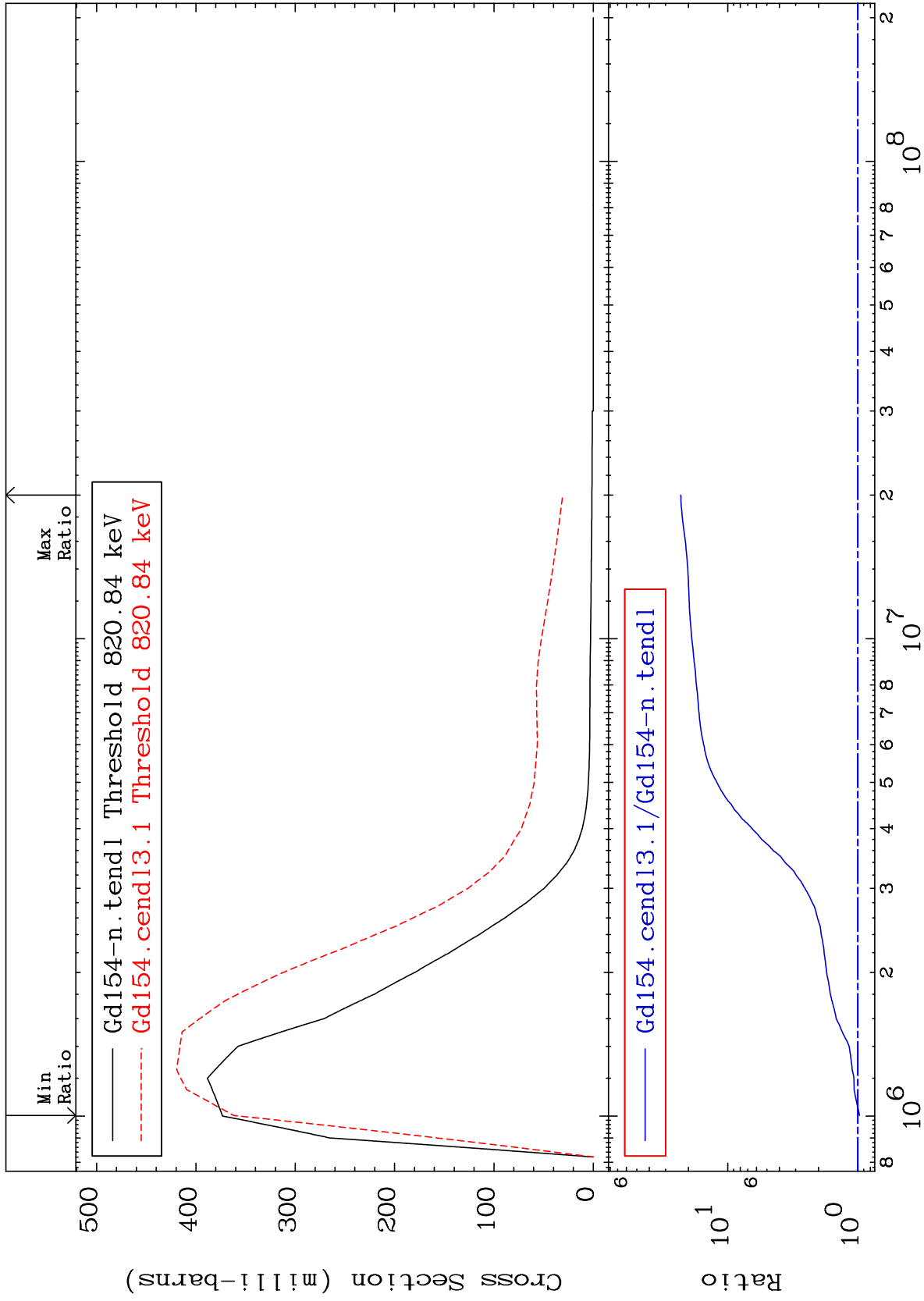
11

64-Gd-154

MAT 6431

815.5 keV (n,n') Level
Cross Section

64-Gd-154
-3.079 To 2194. %



12

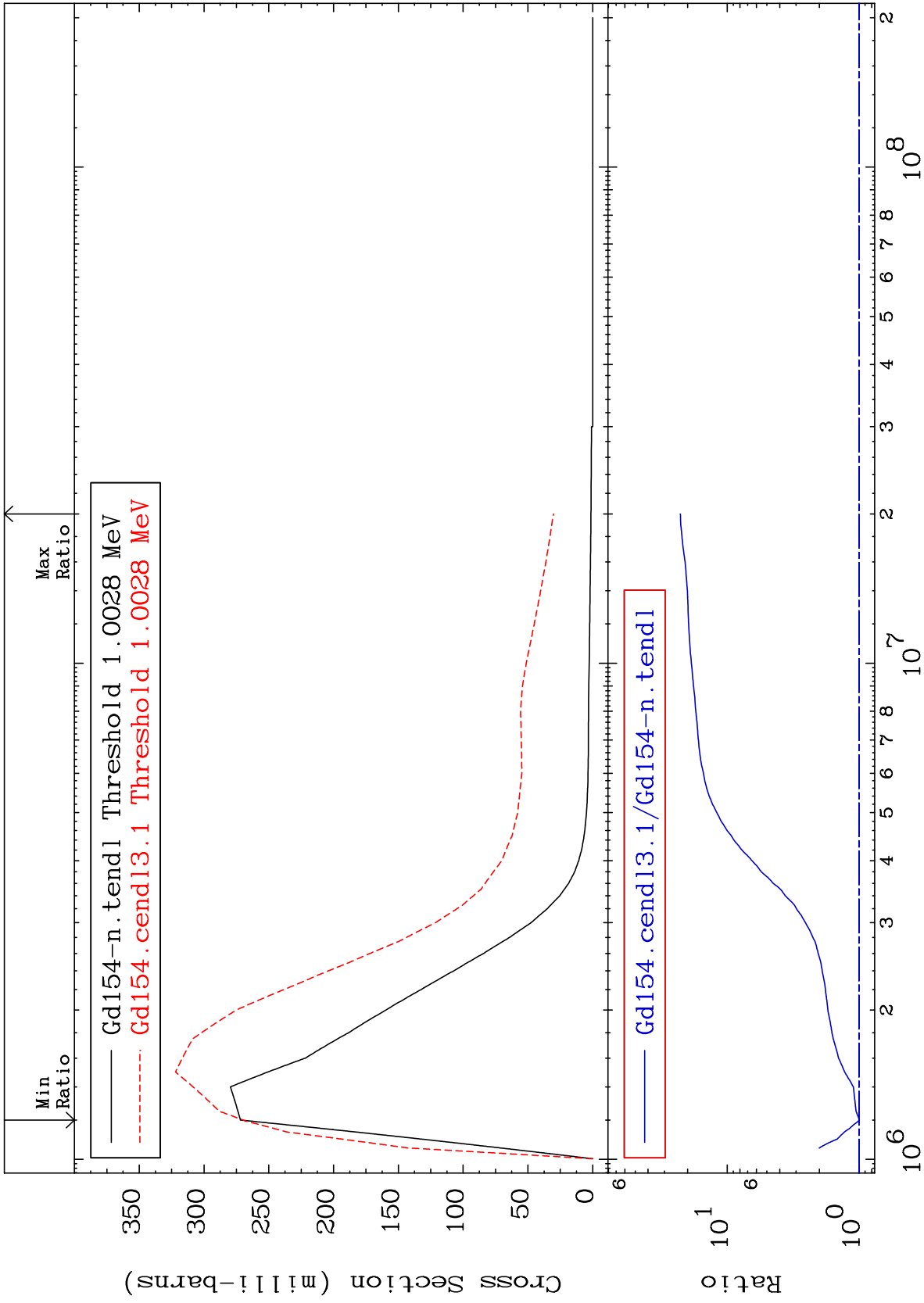
Incident Energy (eV)

64-Gd-154

MAT 6431

996.3 keV (n,n') Level
Cross Section

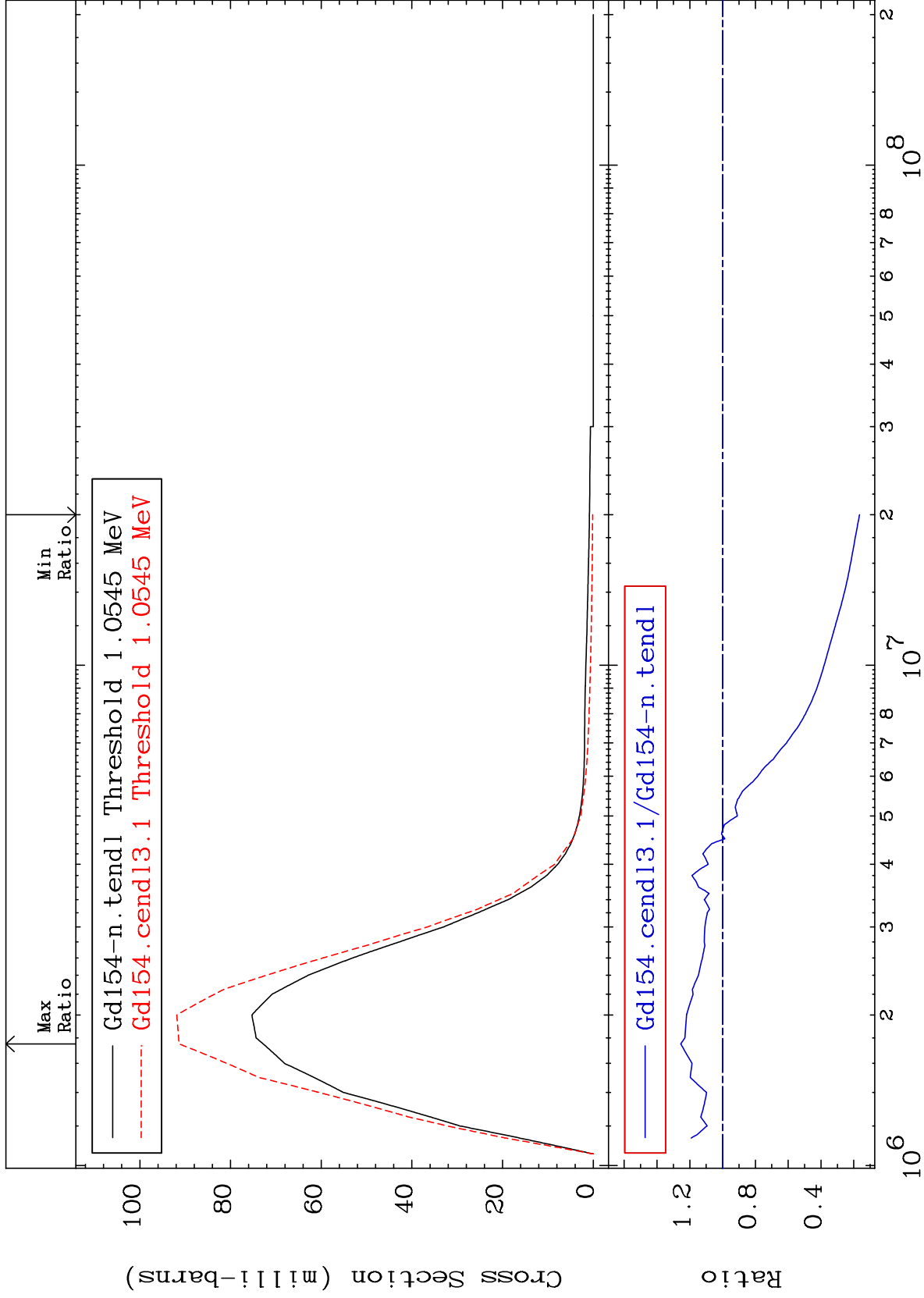
64-Gd-154
-0.803 To 2172. %



64-Gd-154

13

MAT 6431 1.048 MeV (n,n') Level 64-Gd-154
 Cross Section -83.51 To 25.50 %

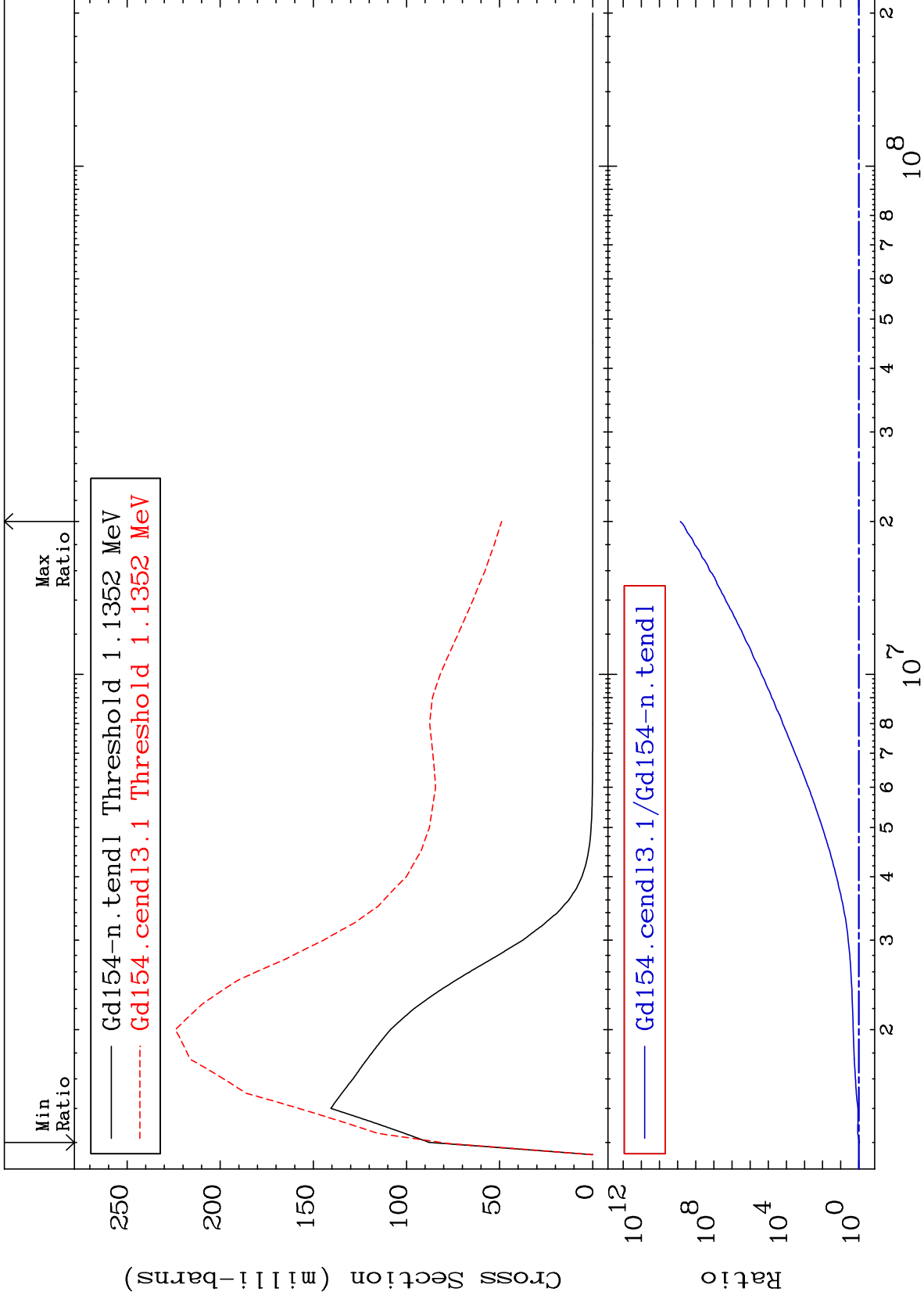


14 64-Gd-154

MAT 6431

1.128 MeV (n,n') Level
Cross Section

64-Gd-154
-7.052 To 9999. %



15

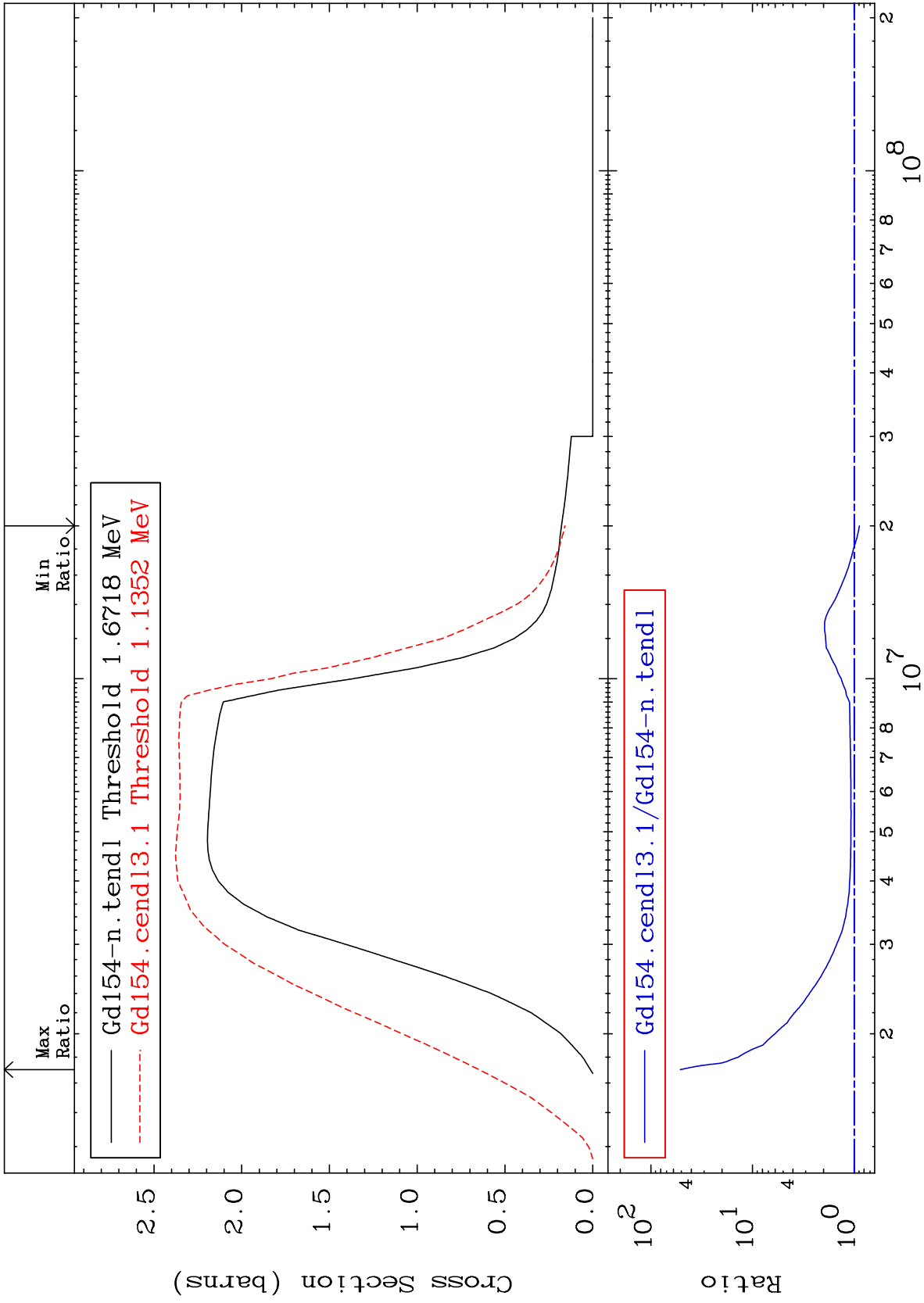
Incident Energy (eV)

64-Gd-154

MAT 6431

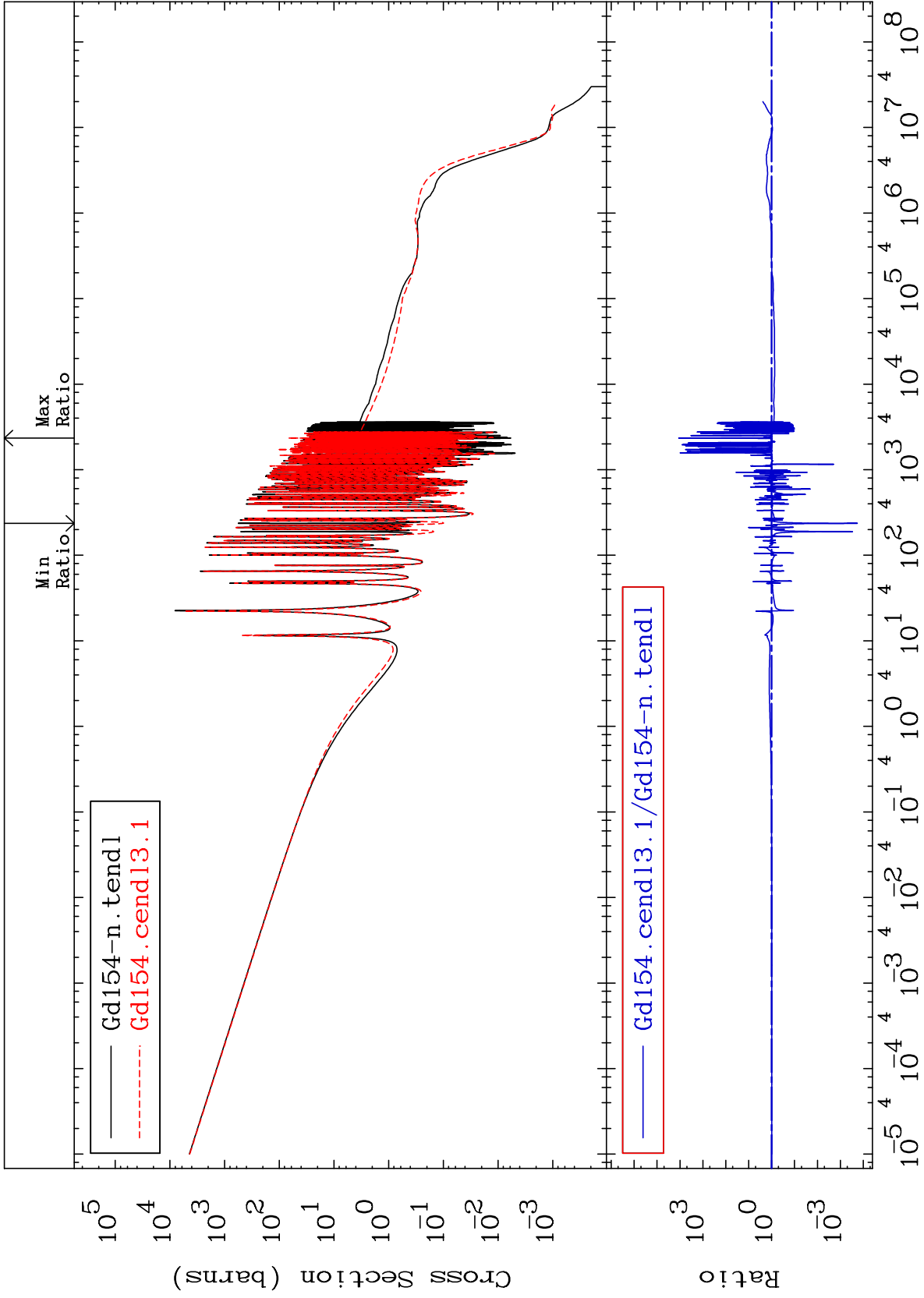
(n, n') Continuum
Cross Section

64-Gd-154
-11.06 To 5024. %



MAT 6431

(n, γ)
Cross Section
64-Gd-154
-99.98 To 9999. %

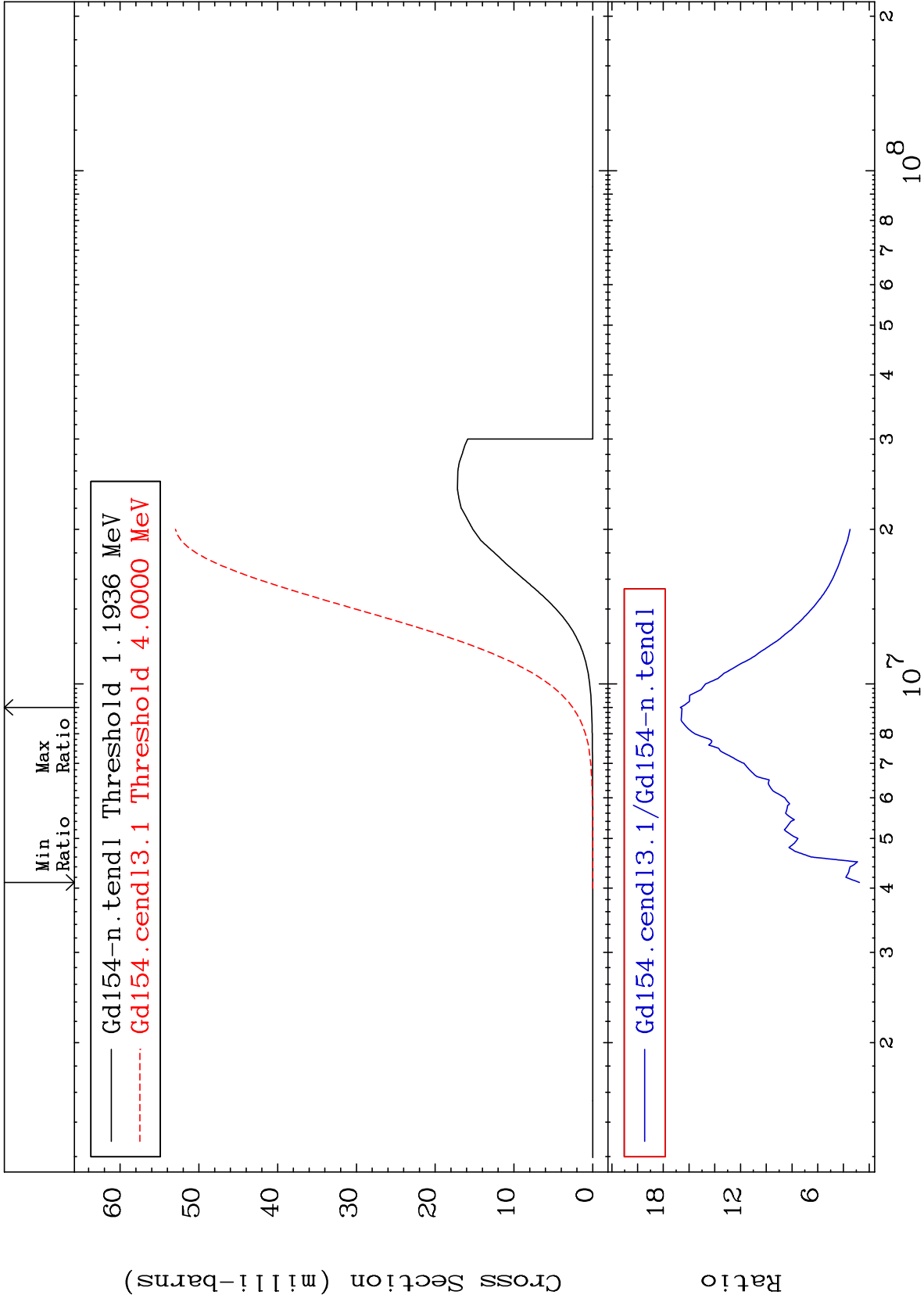


MAT 6431

64-Gd-154

175.8 To 1567. %

(n,p)
Cross Section



18

64-Gd-154

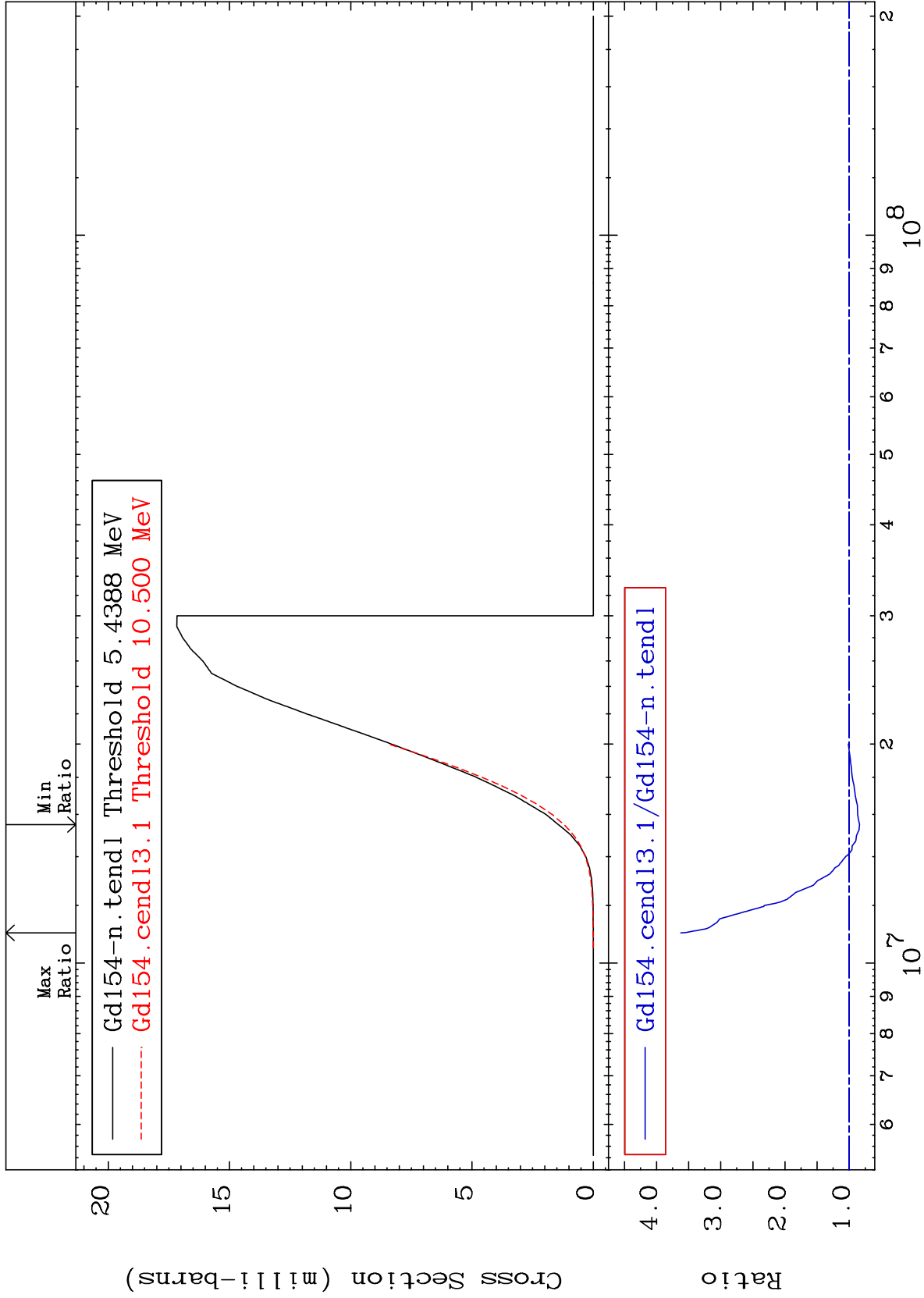
MAT 6431

(n, d)

64-Gd-154

Cross Section

-16.08 To 262.3 %



19

Incident Energy (eV)

64-Gd-154

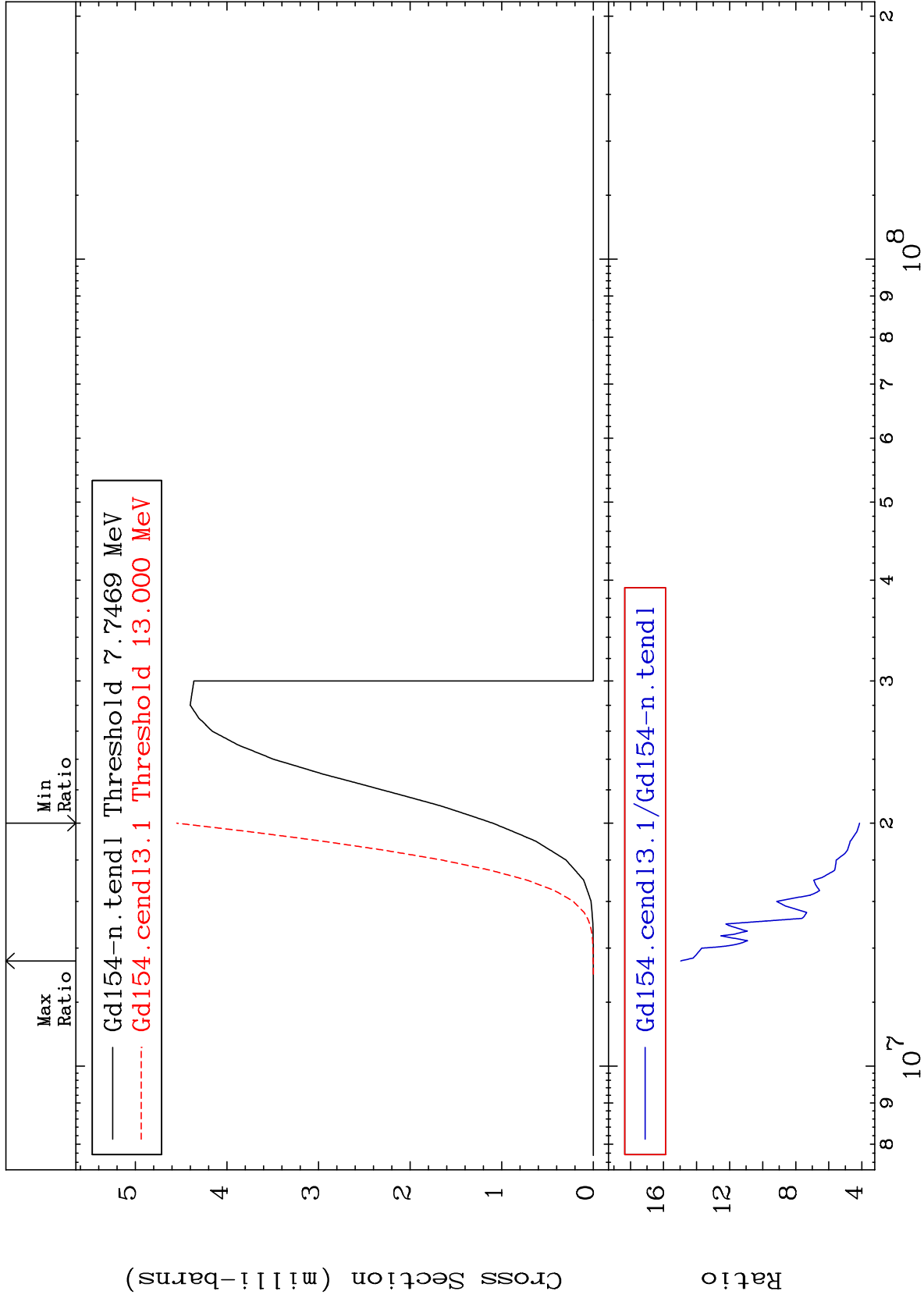
MAT 6431

(n, t)

64-Gd-154

Cross Section

314.2 To 1396. %



20

Incident Energy (eV)

64-Gd-154

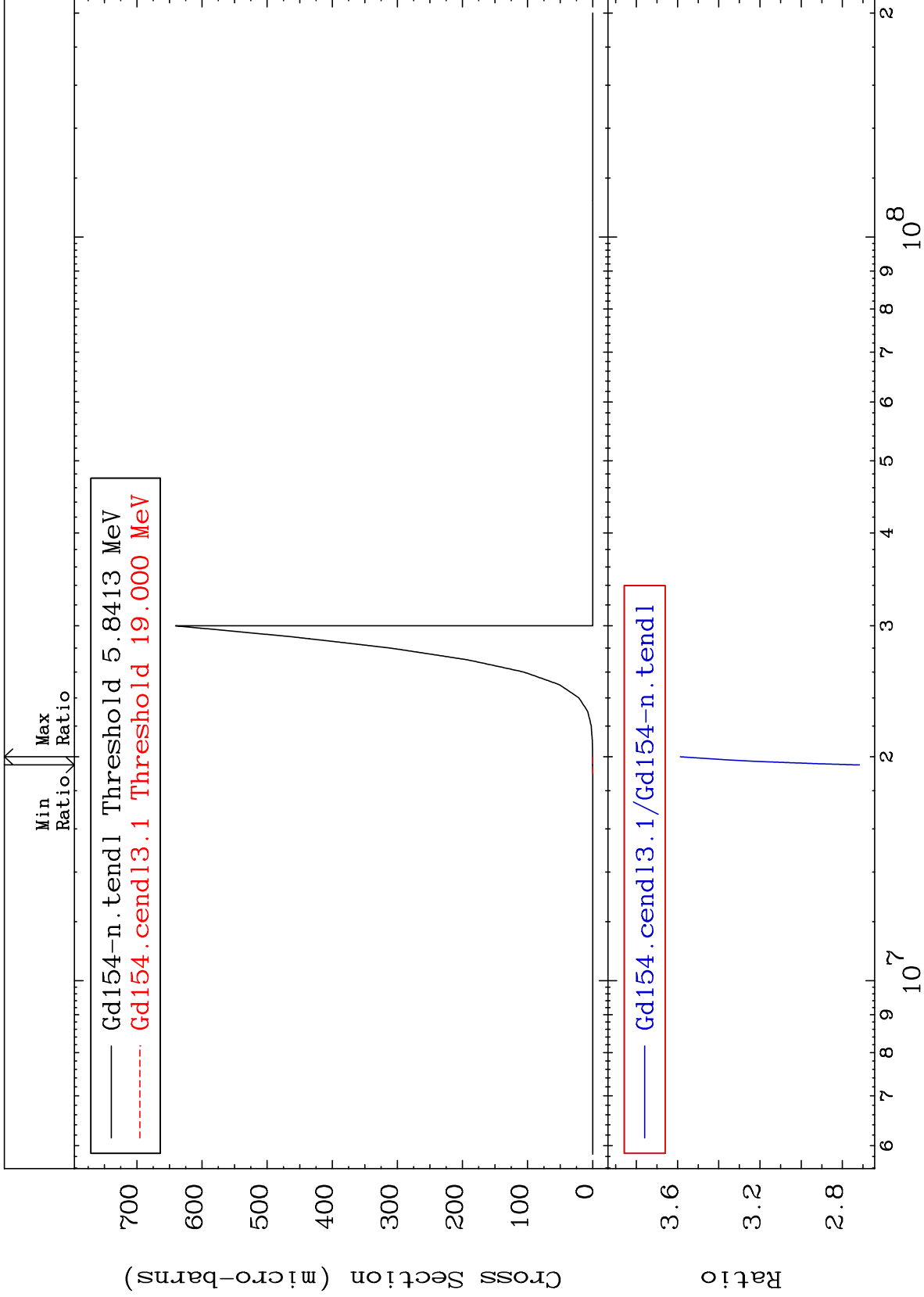
MAT 6431

(n, He-3)

64-Gd-154

Cross Section

171.7 To 258.6 %



21

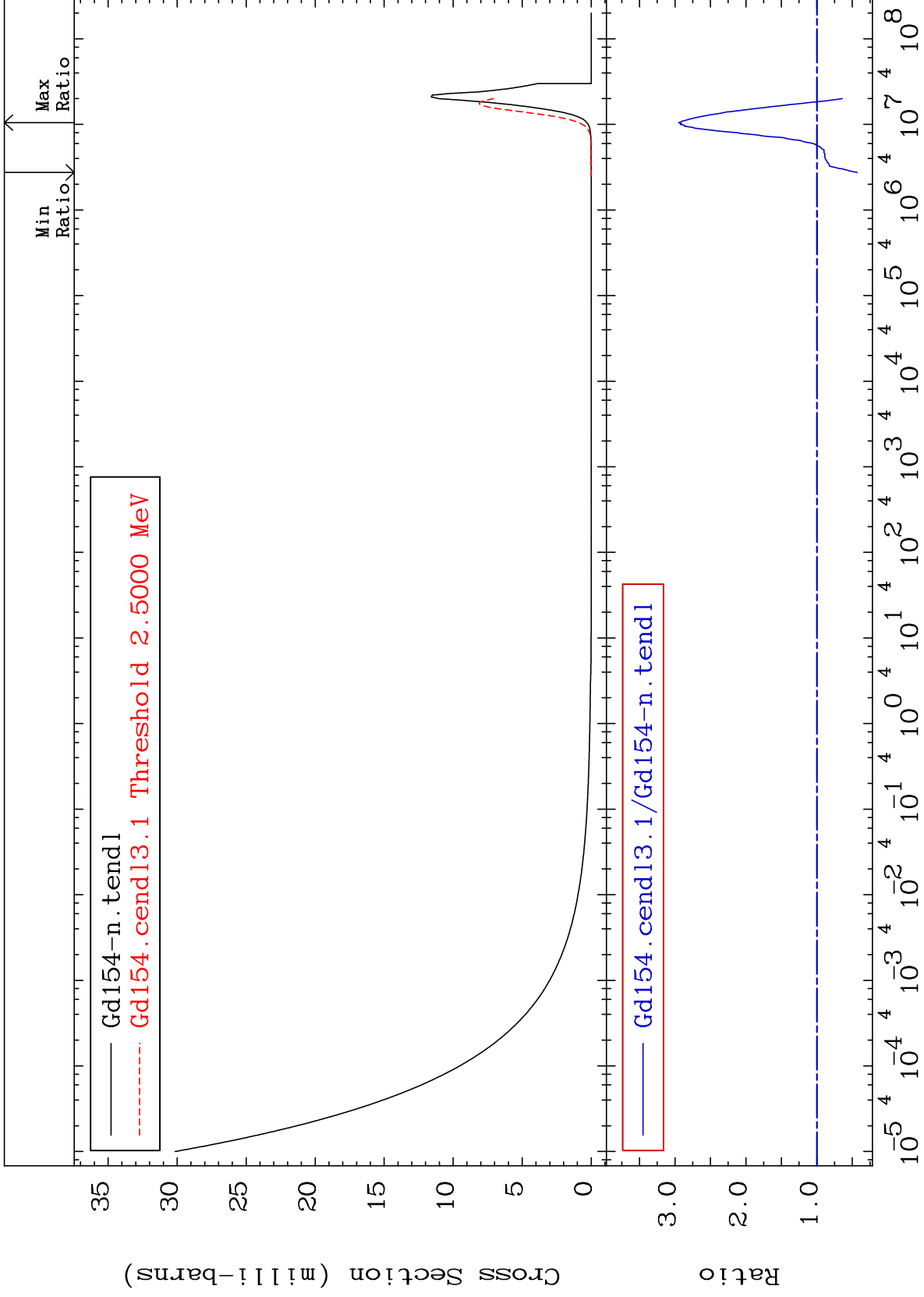
Incident Energy (eV)

64-Gd-154

MAT 6431

(n, α)
Cross Section

64-Gd-154
-56.96 To 194.8 %



22

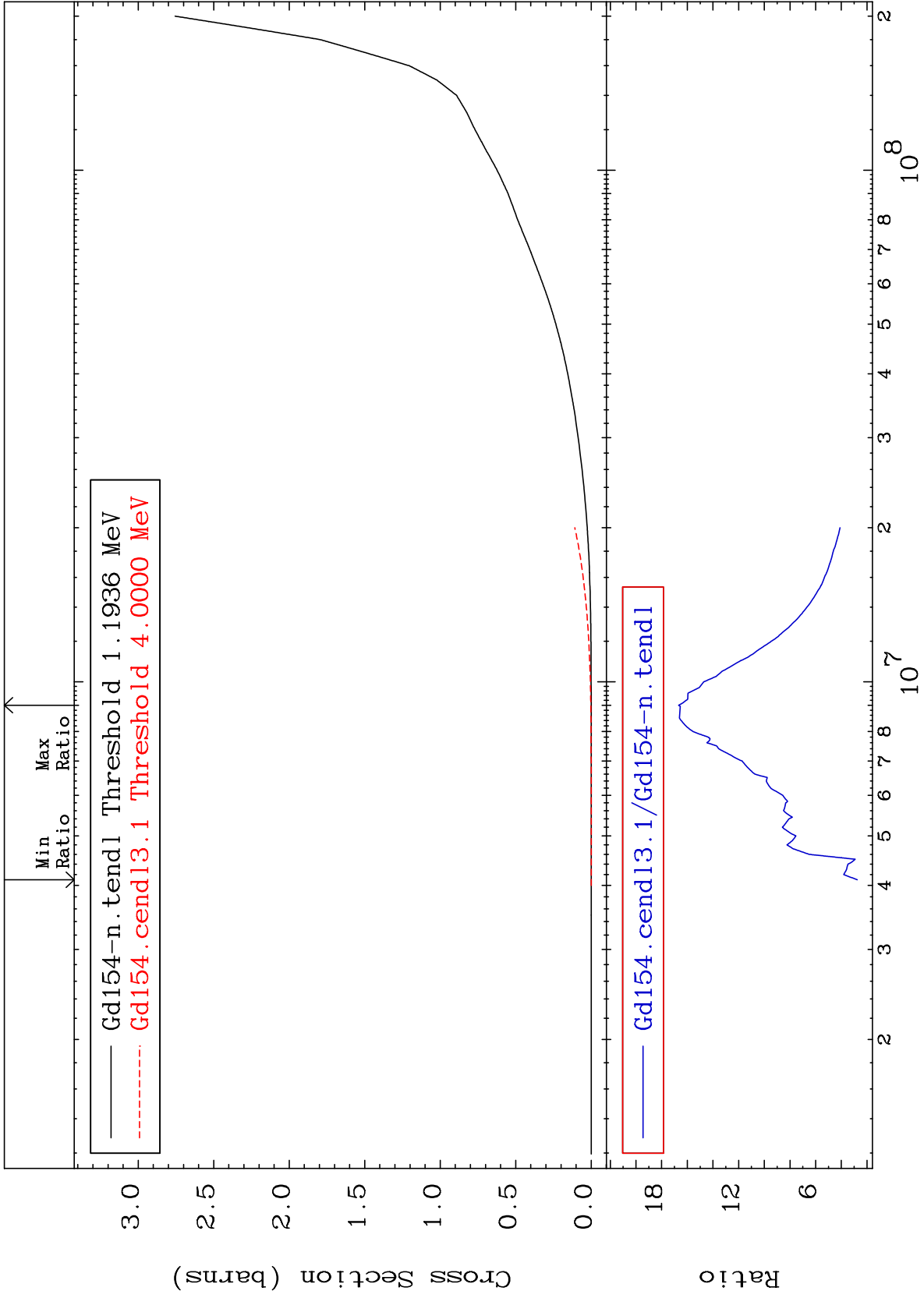
Incident Energy (eV)

64-Gd-154

MAT 6431

Hydrogen Production
Cross Section

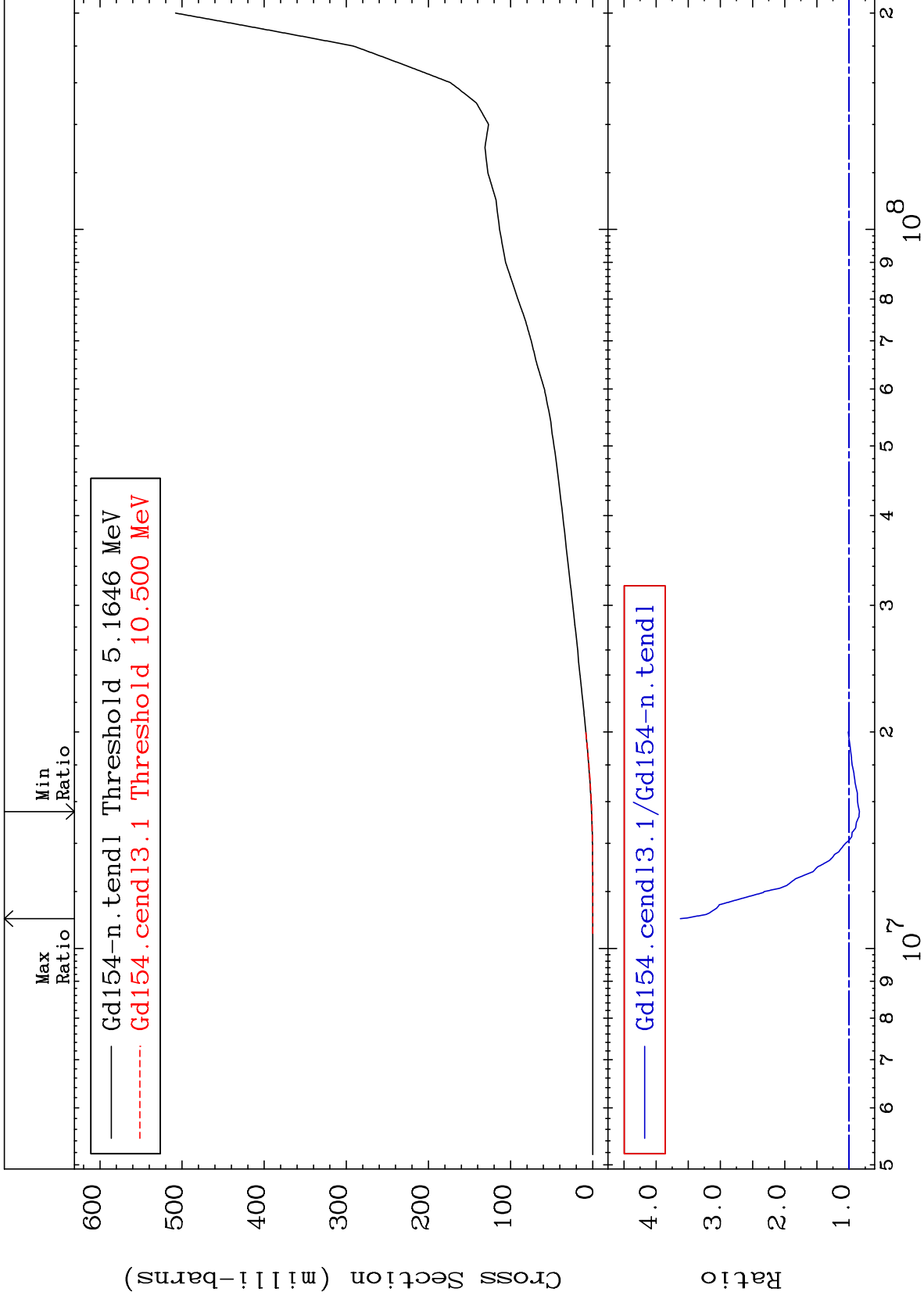
64-Gd-154
175.8 To 1567. %



MAT 6431

Deuterium Production
Cross Section

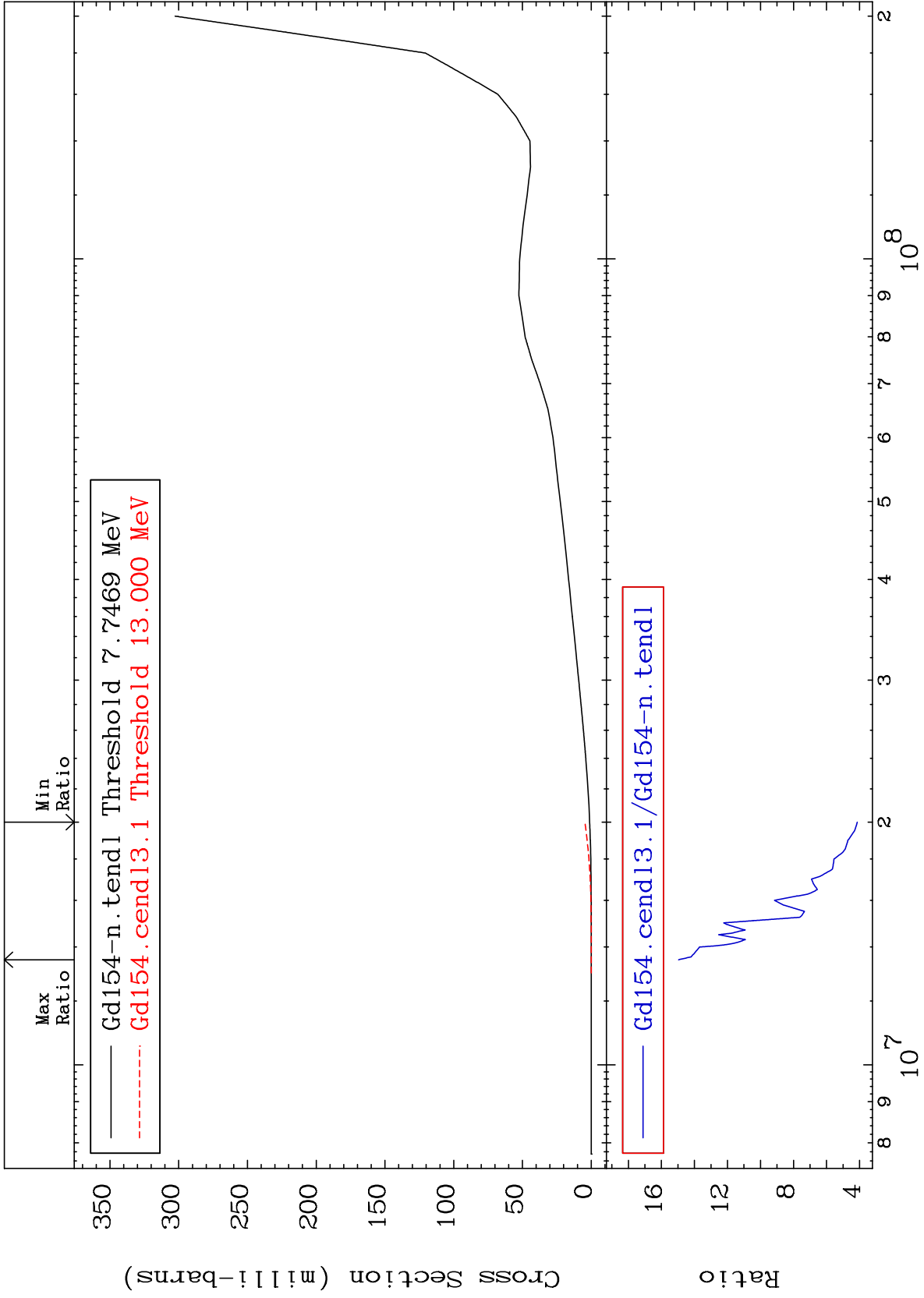
64-Gd-154
-16.08 To 262.3 %



MAT 6431

Tritium Production
Cross Section

64-Gd-154
314.1 To 1396. %



25

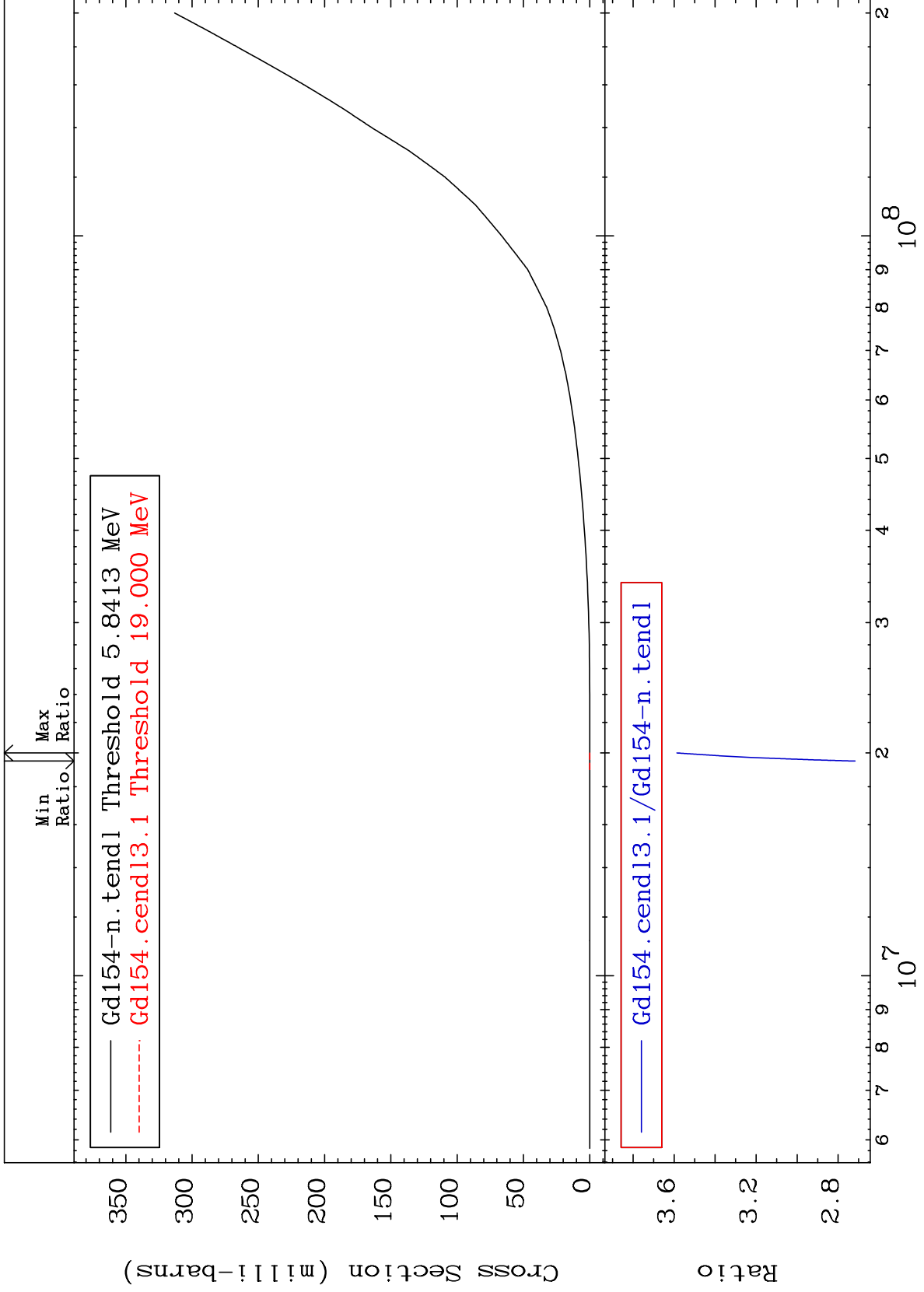
Incident Energy (eV)

64-Gd-154

MAT 6431

He-3 Production
Cross Section

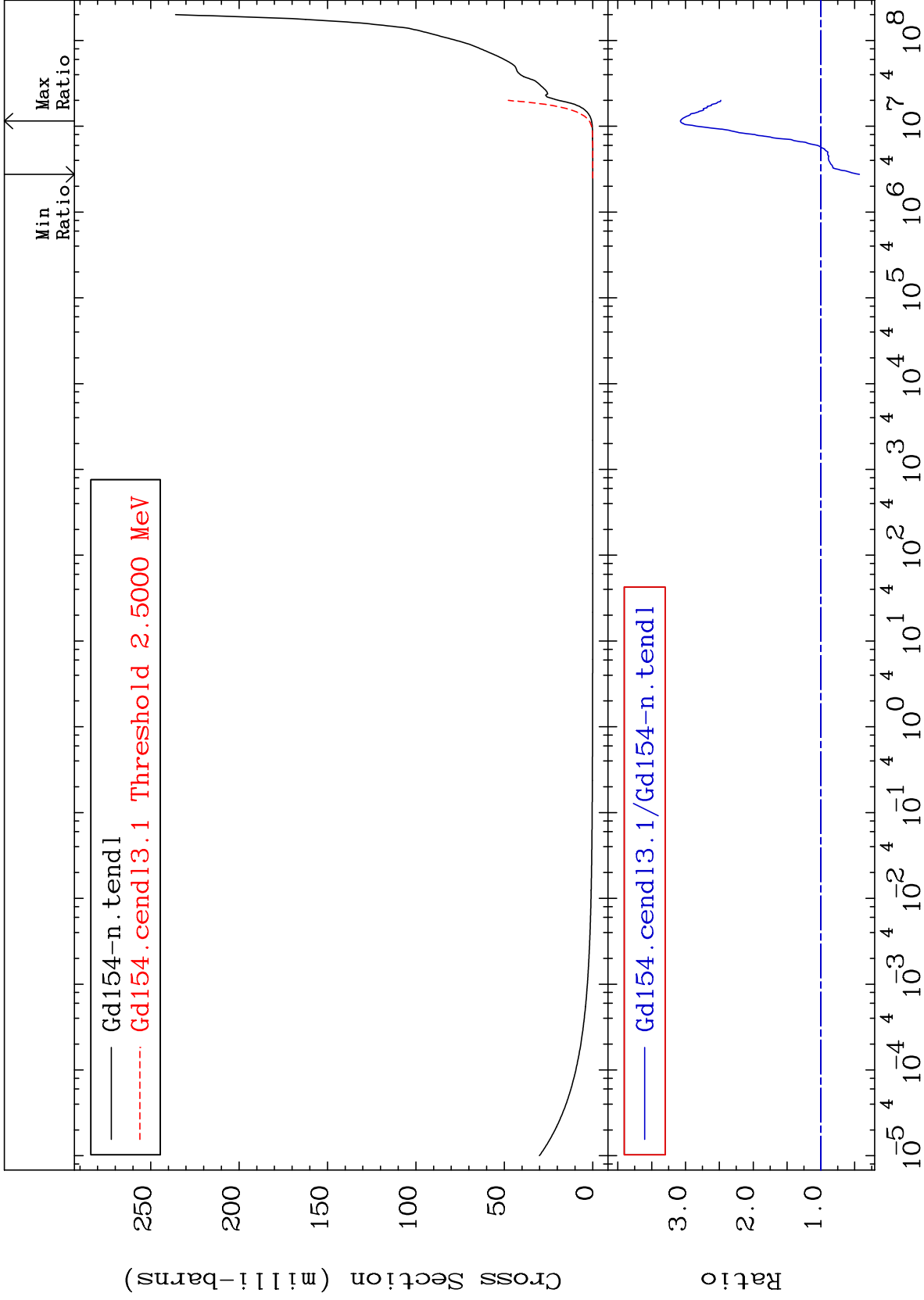
64-Gd-154
171.7 To 258.6 %



MAT 6431

He-4 Production
Cross Section

64-Gd-154
-56.96 To 207.6 %



27

Incident Energy (eV)

64-Gd-154

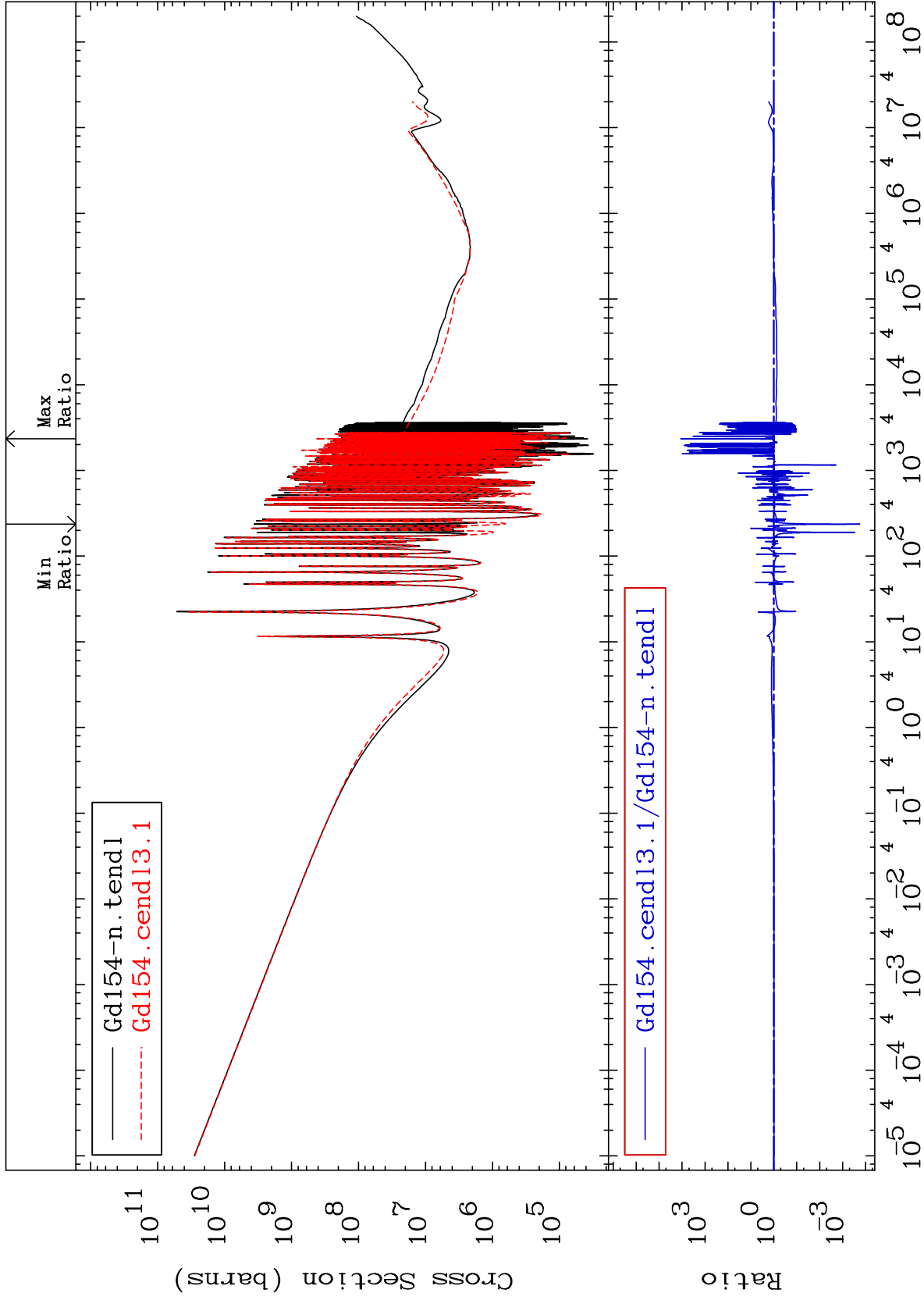
MAT 6431

Kerma total (eV-barns)

64-Gd-154

-99.98 To 9999. %

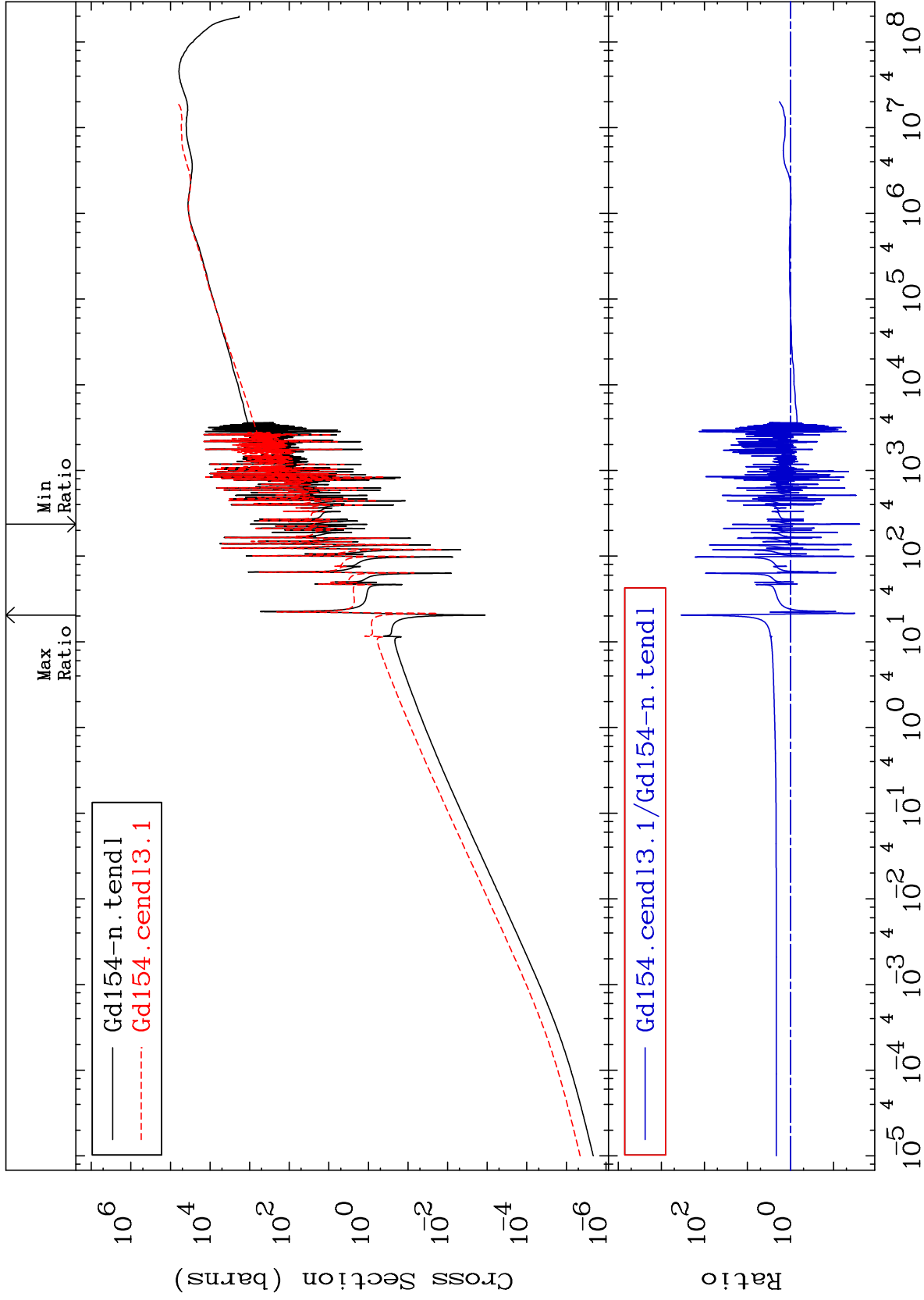
Cross Section



MAT 6431

Kerma elastic
Cross Section

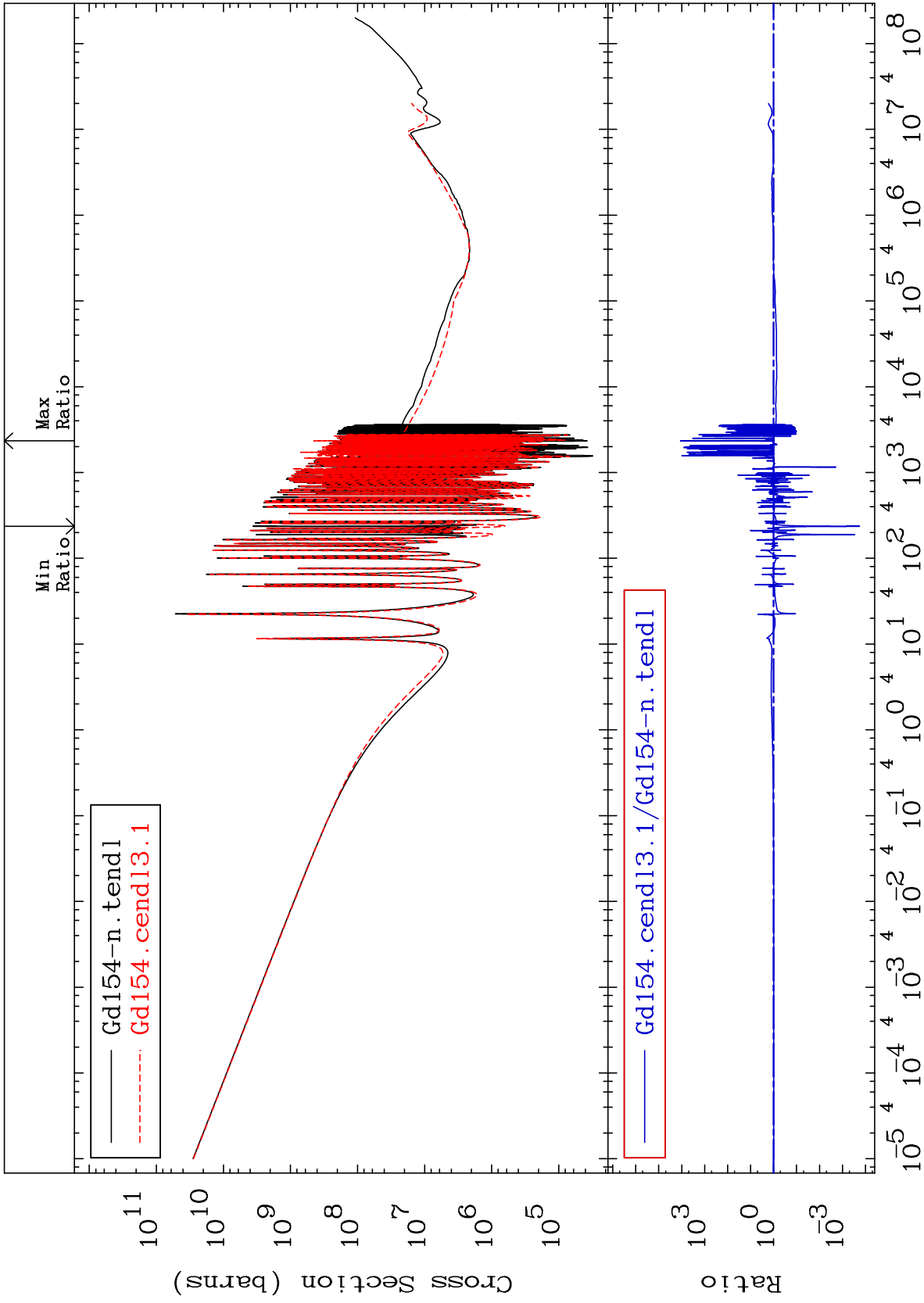
64-Gd-154
-97.51 To 9999. %

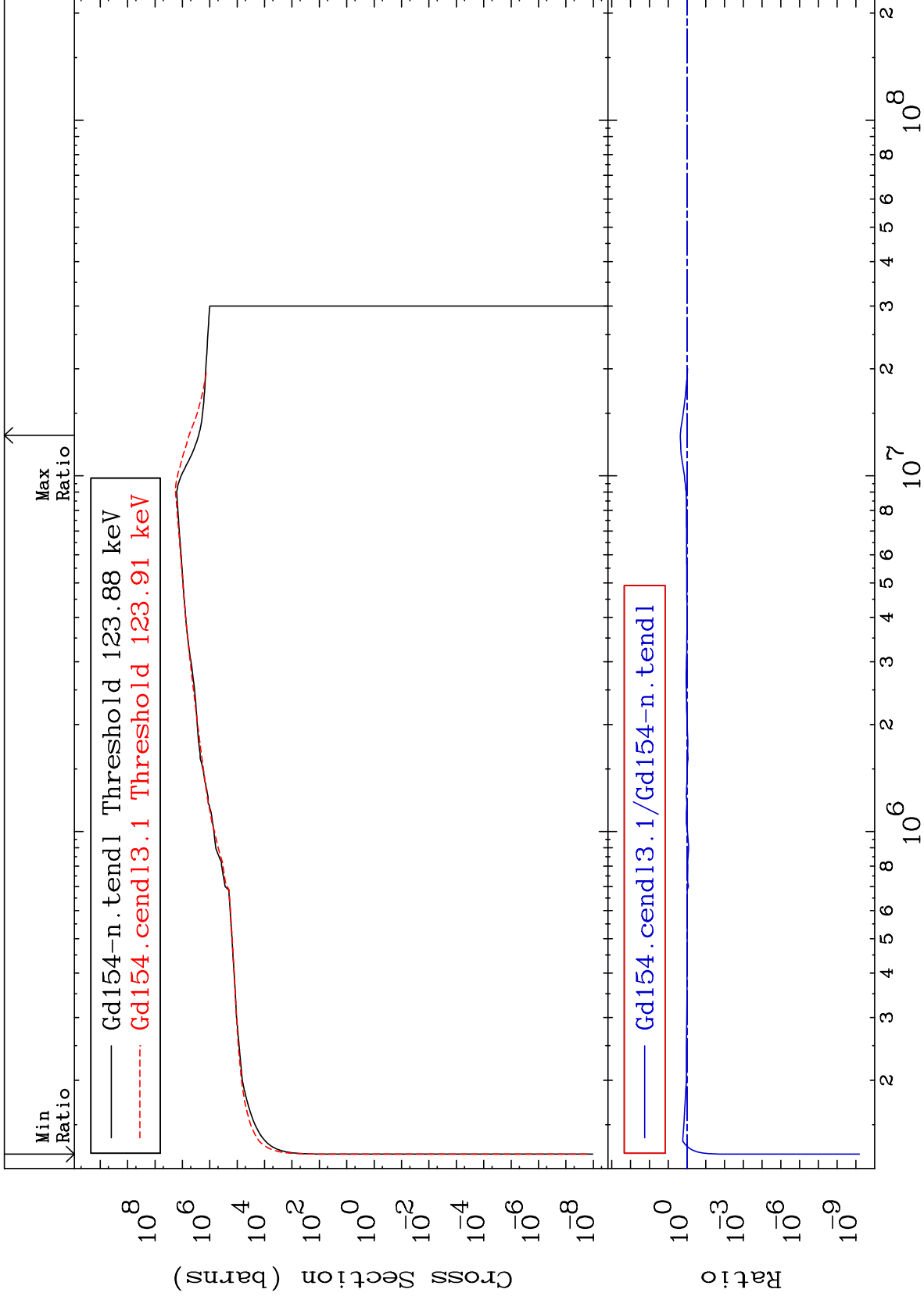


MAT 6431

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-154
-99.98 To 9999. %

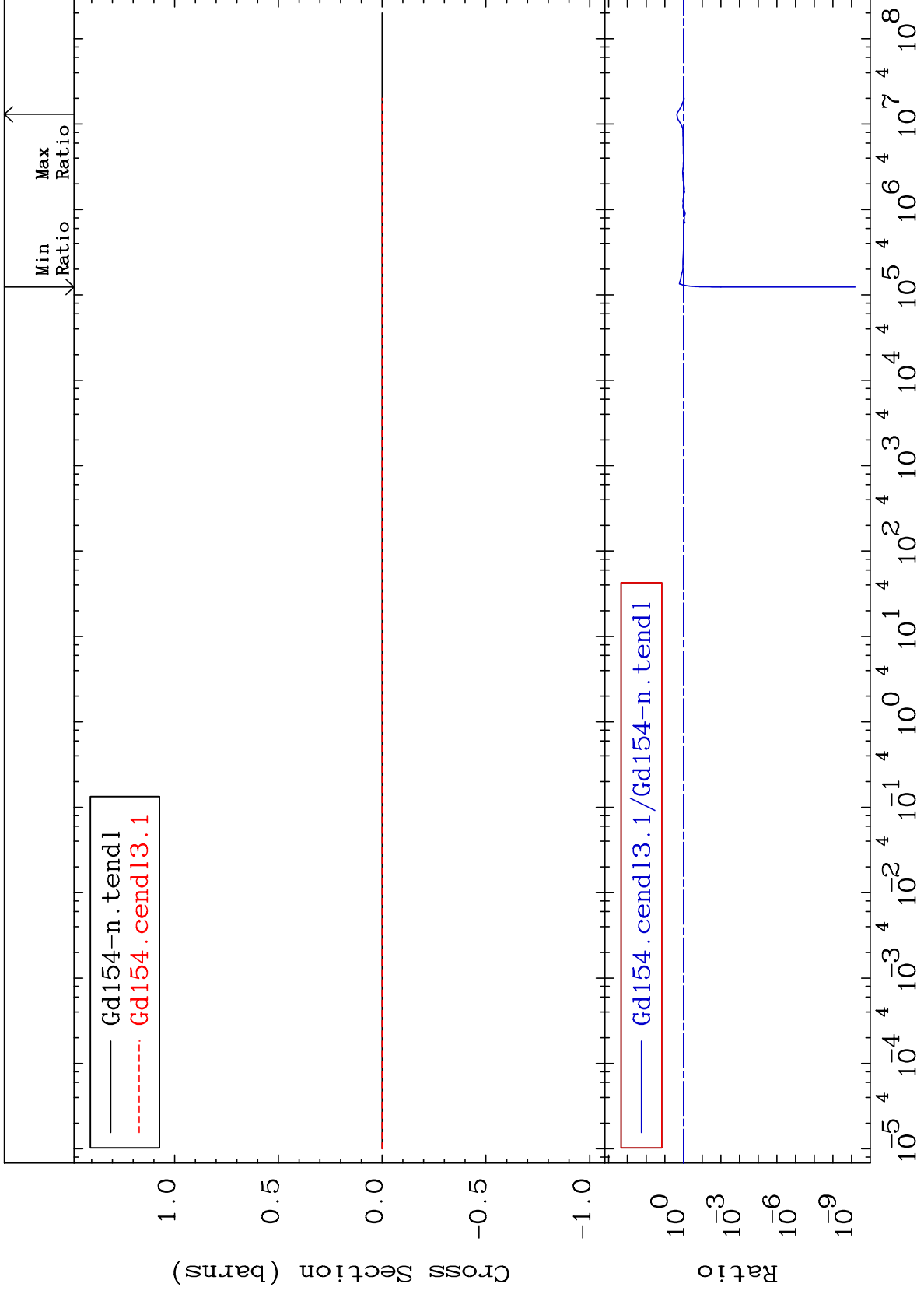


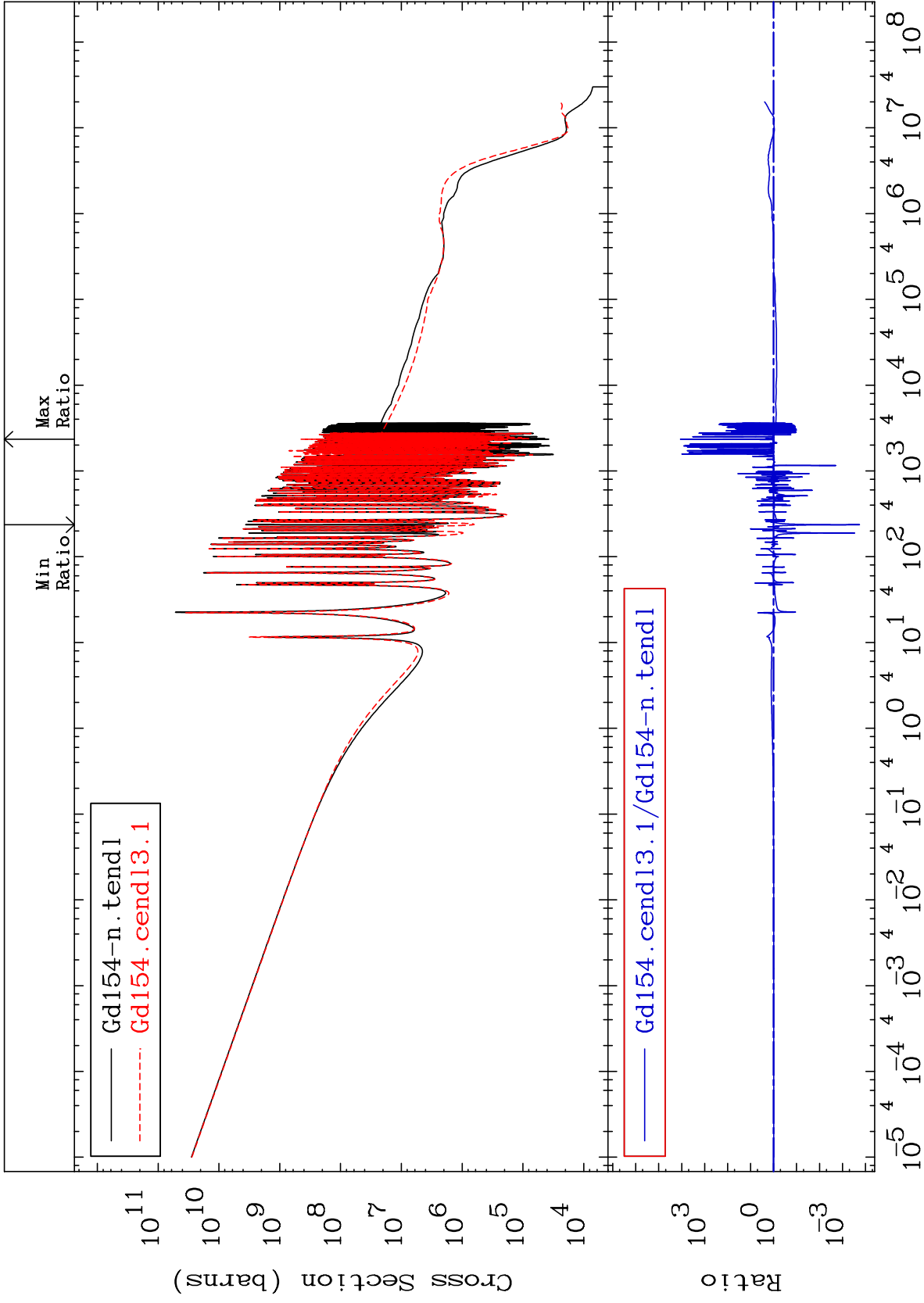


MAT 6431

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

64-Gd-154
-100.0 To 123.4 %

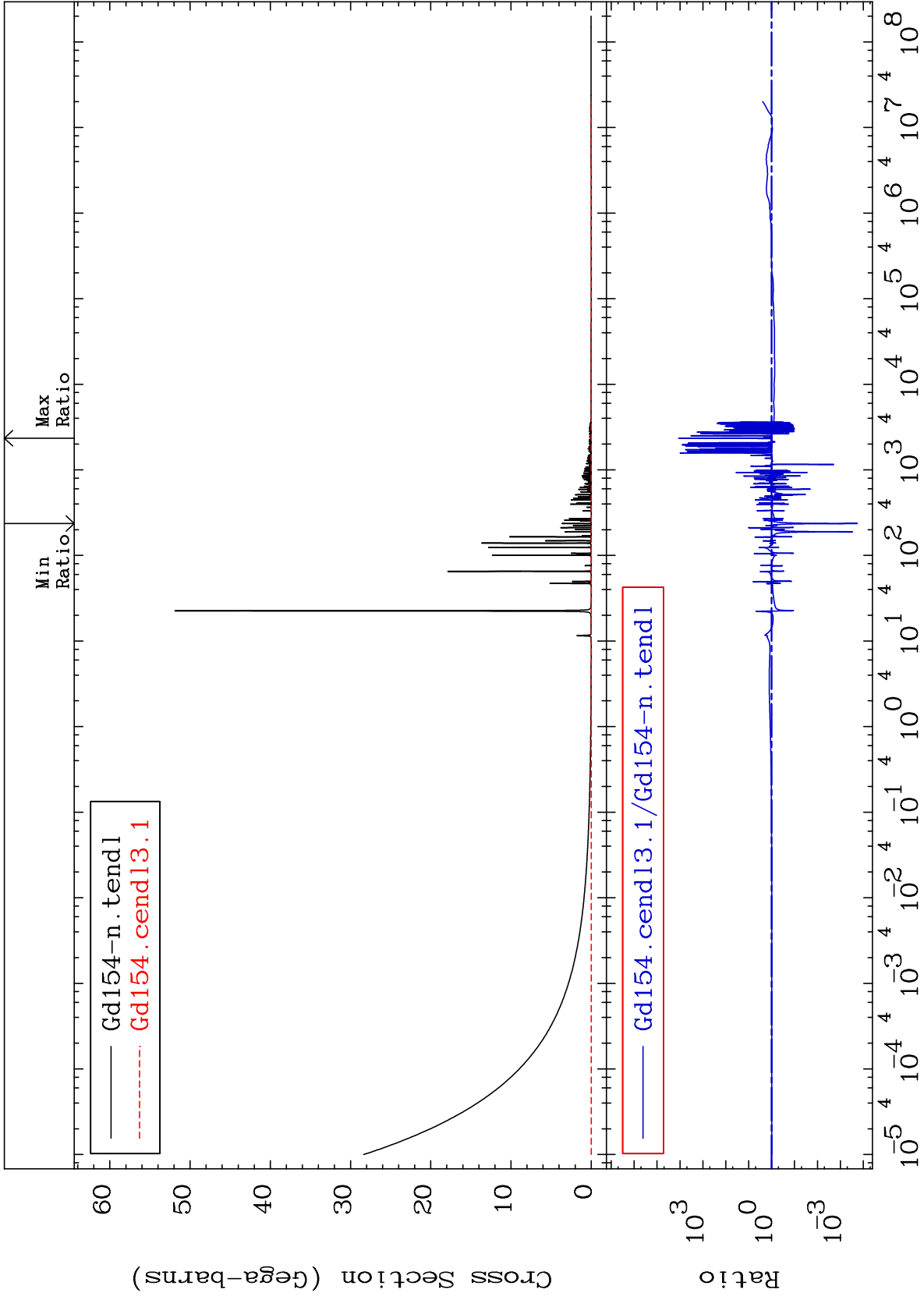


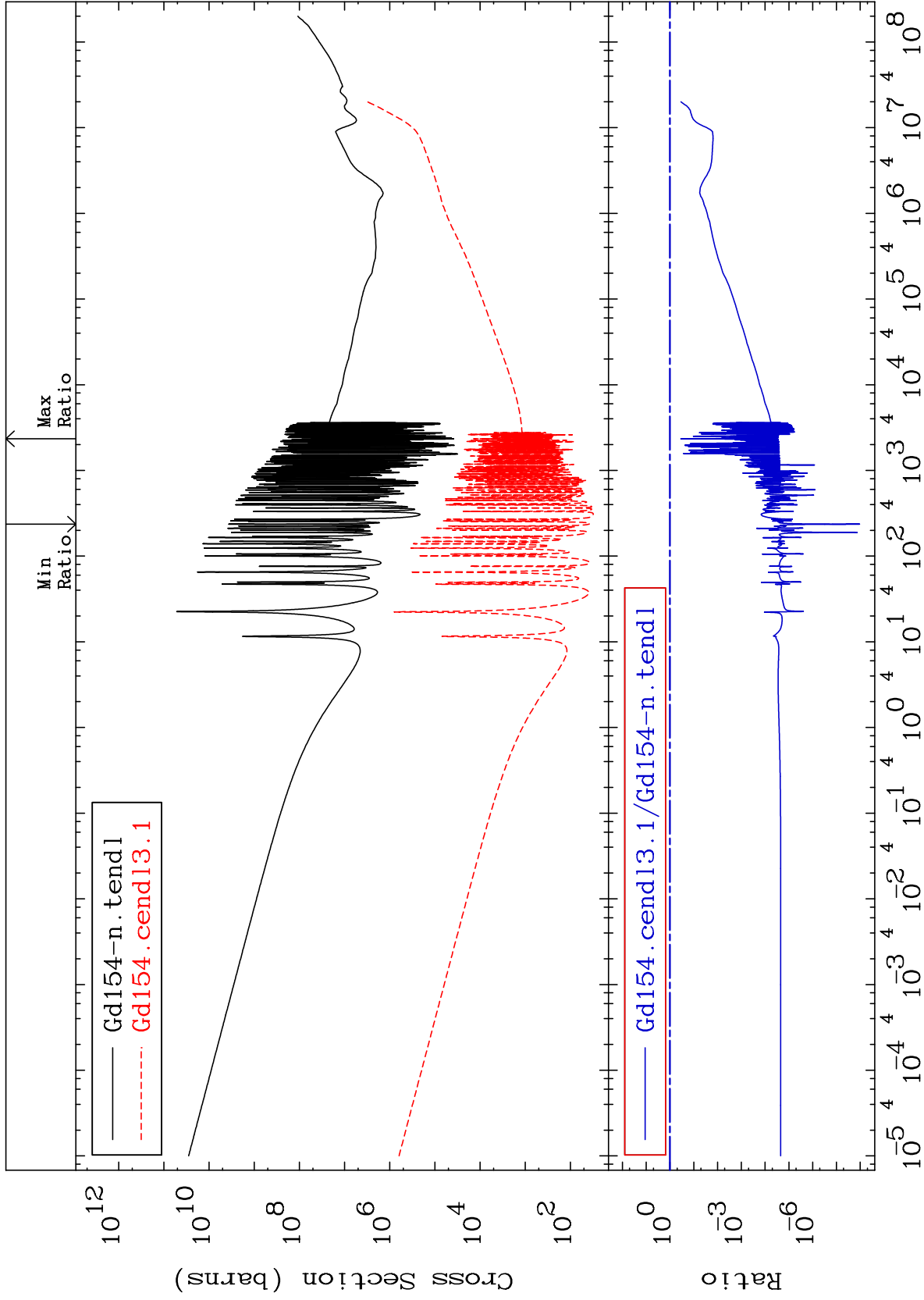


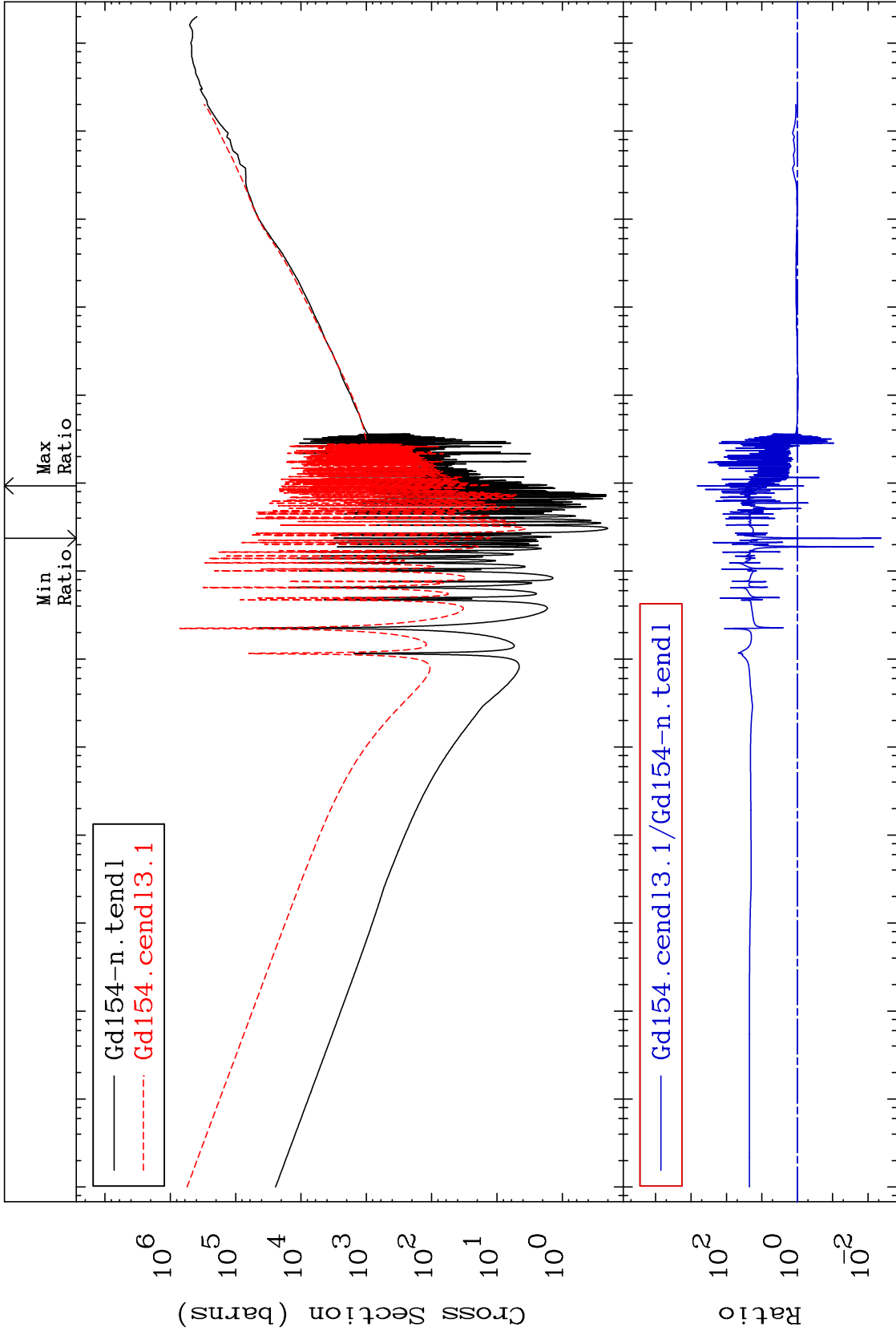
MAT 6431

Total photon (eV-barns)
Cross Section

64-Gd-154
-99.98 To 9999. %



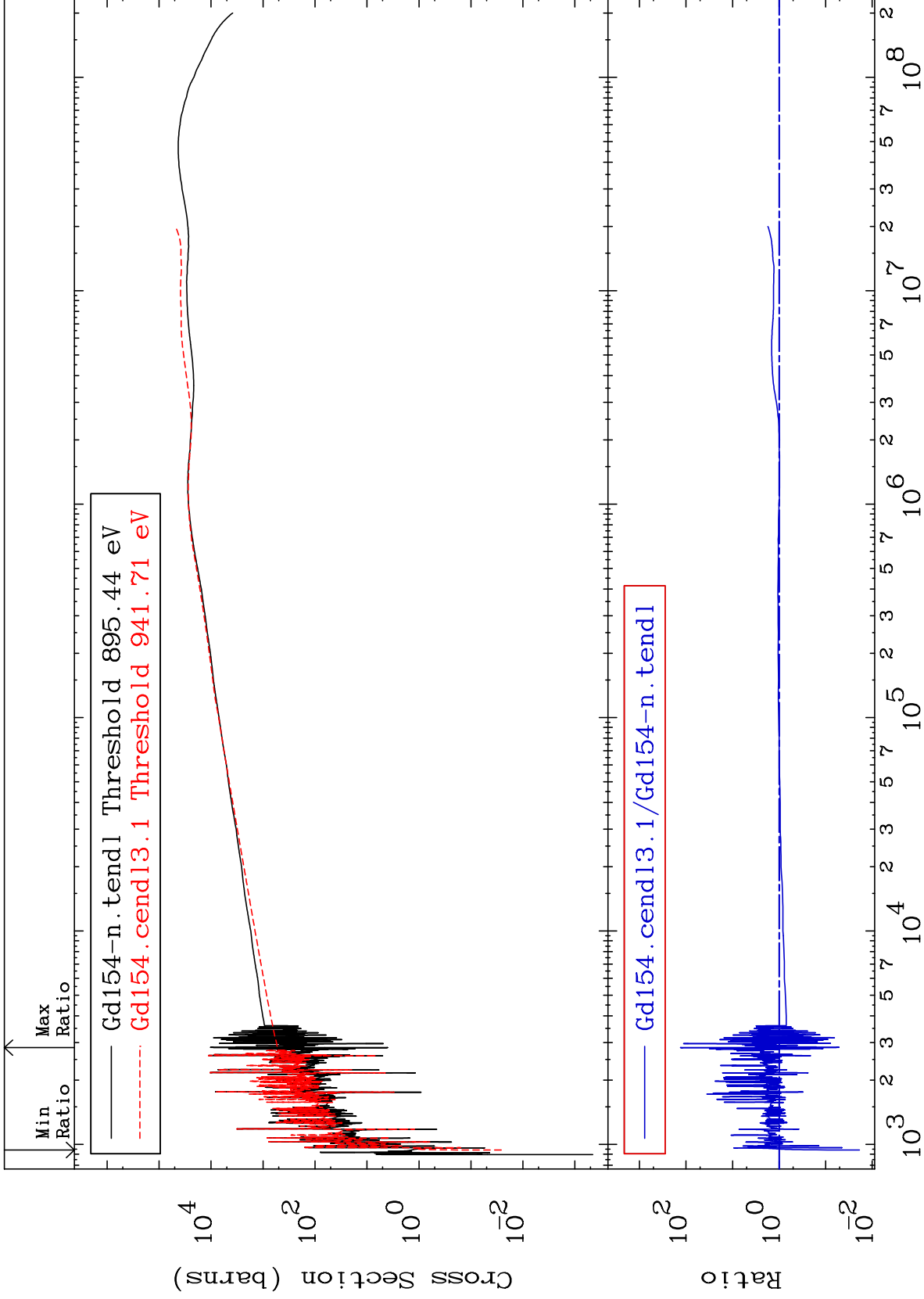




MAT 6431

Dpa elastic (mt2)
Cross Section

64-Gd-154
-98.12 To 9999. %



37

Incident Energy (eV)

64-Gd-154

