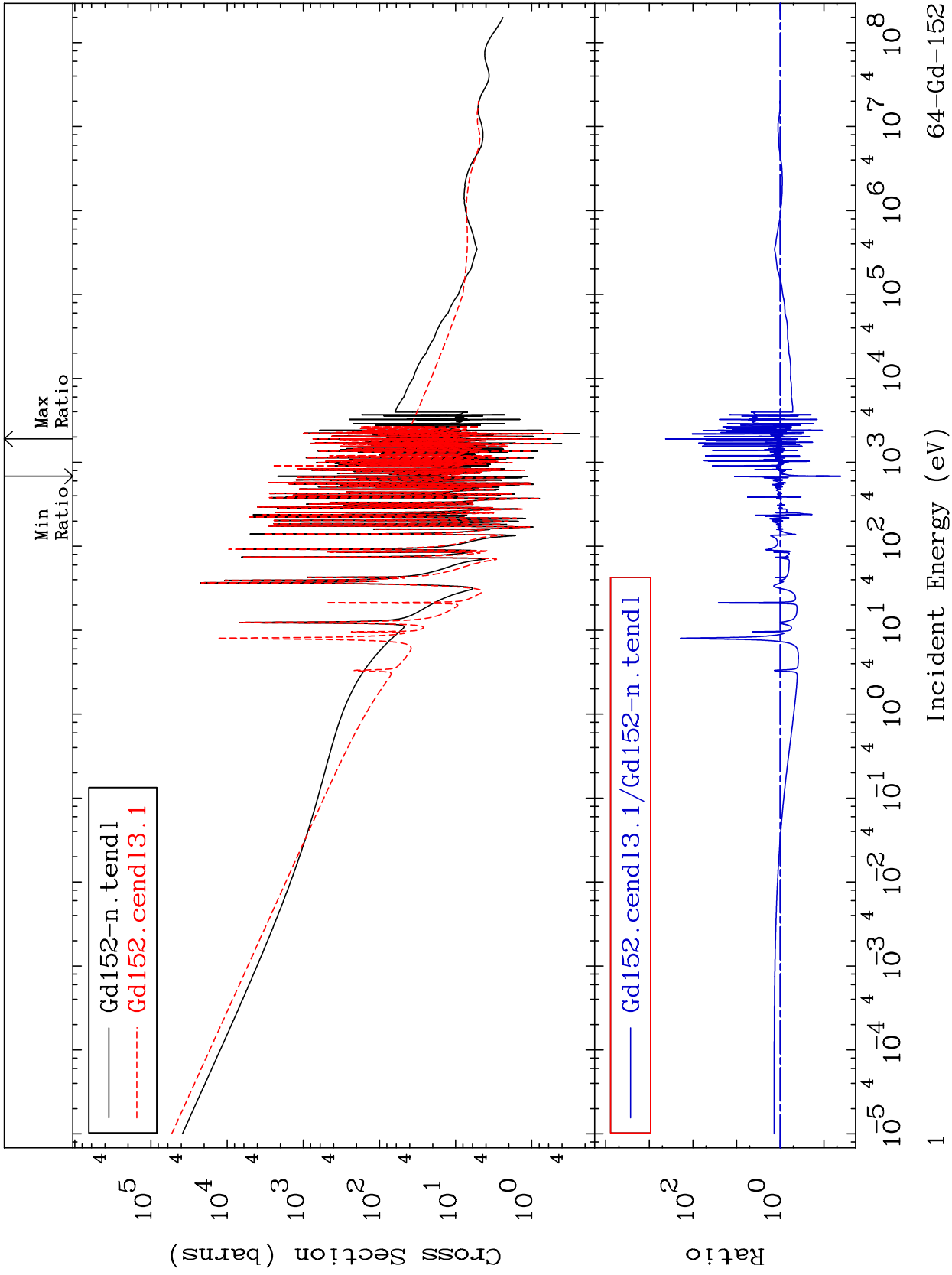


MAT 6425

Total
Cross Section

64-Gd-152
-95.88 To 9999. %



64-Gd-152

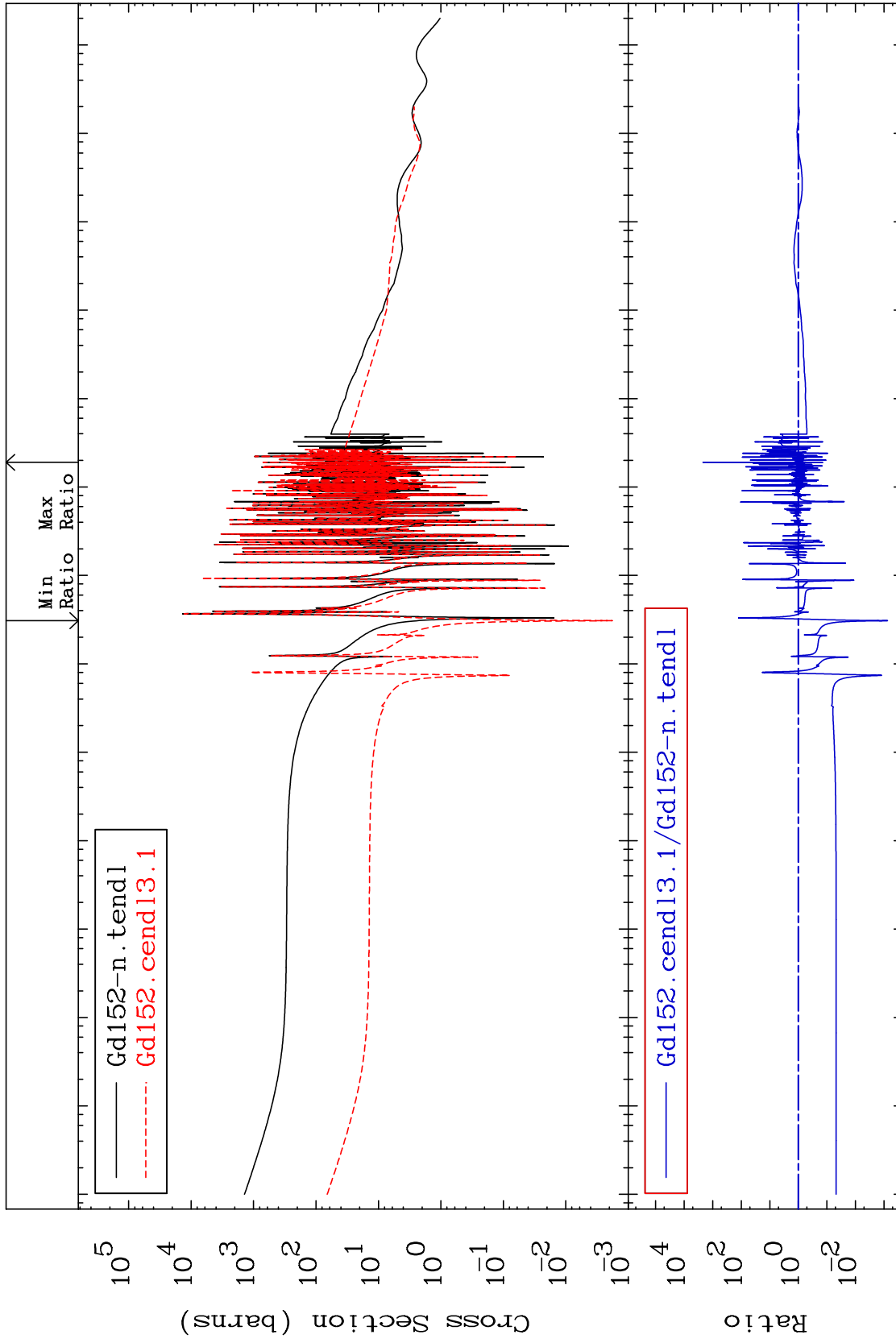
MAT 6425

Elastic

64-Gd-152

Cross Section

-99.92 To 9999. %



2

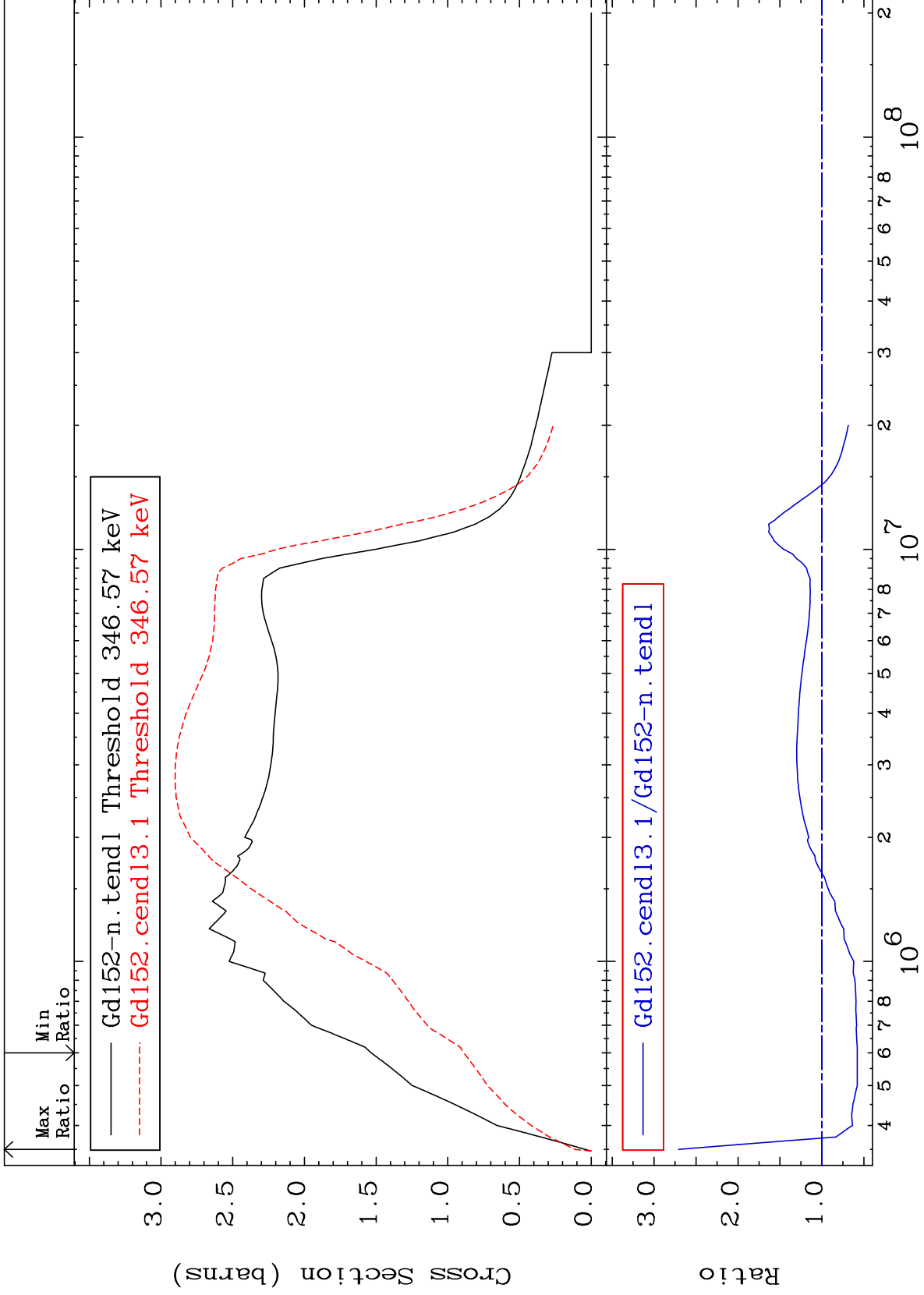
Incident Energy (eV)

64-Gd-152

MAT 6425

Inelastic
Cross Section

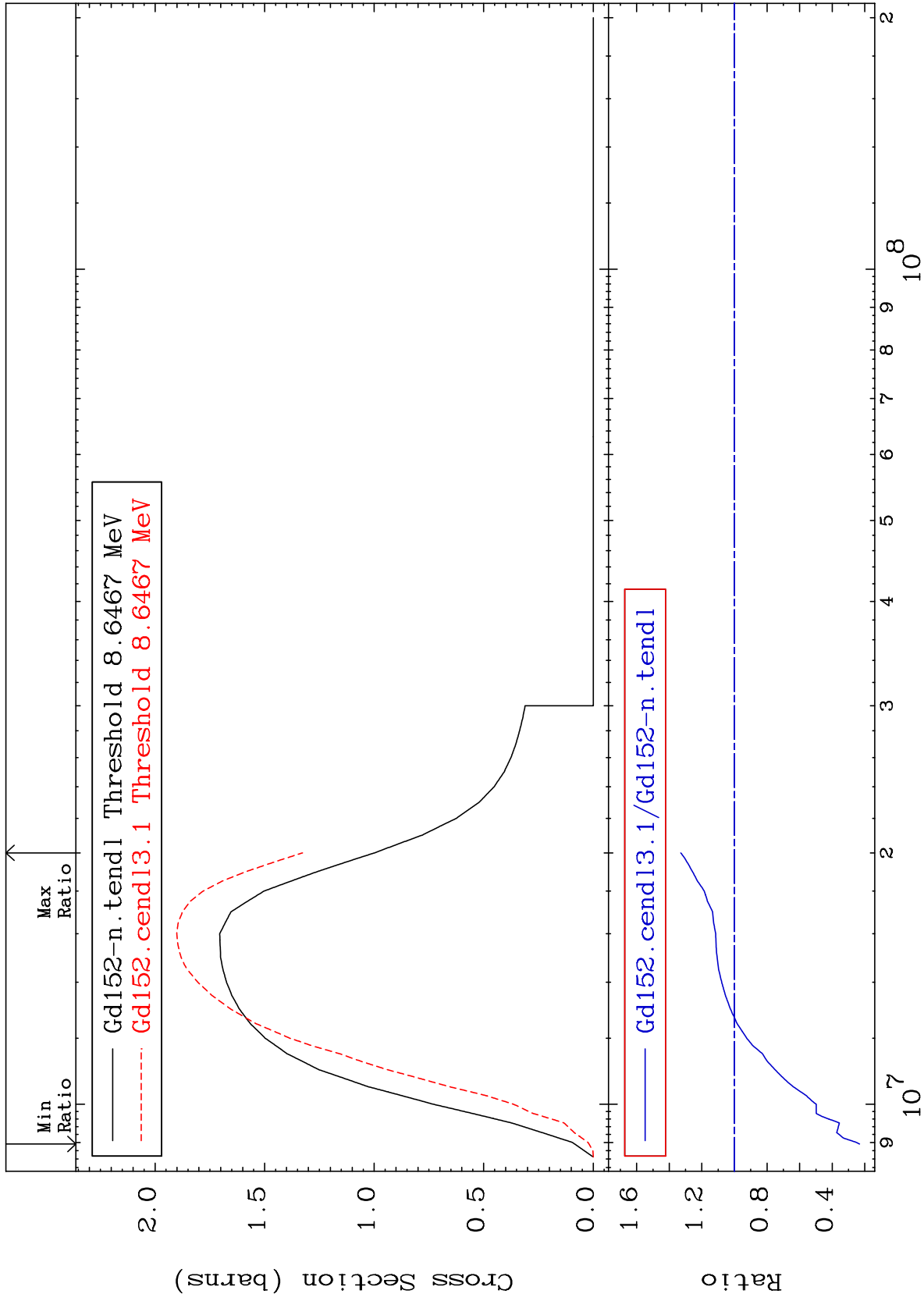
64-Gd-152
-42.08 To 170.8 %



MAT 6425

(n,2n)
Cross Section

64-Gd-152
-76.75 To 32.92 %



4

Incident Energy (eV)

64-Gd-152

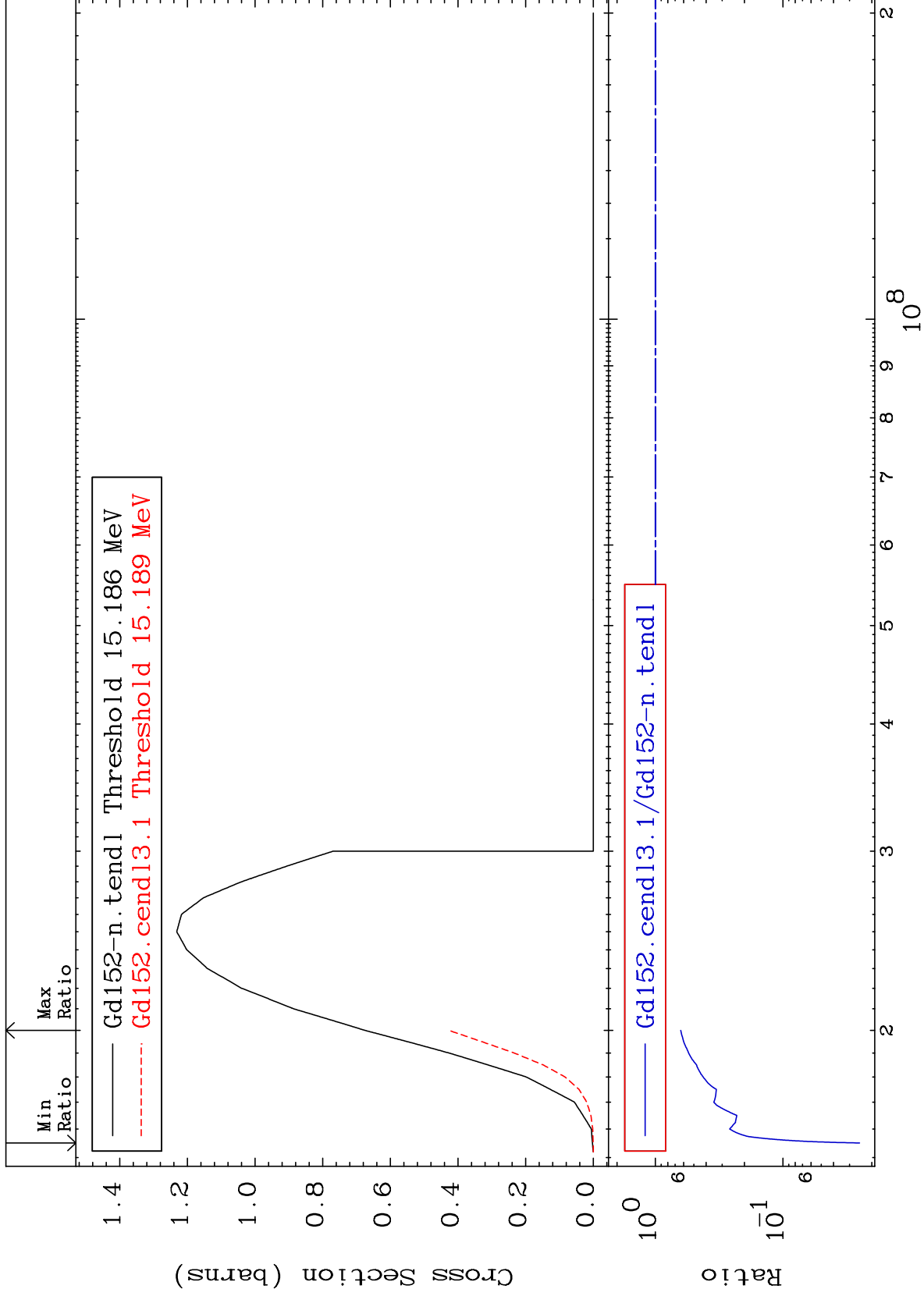
MAT 6425

(n,3n)

64-Gd-152

Cross Section

-97.50 To -36.75%



5

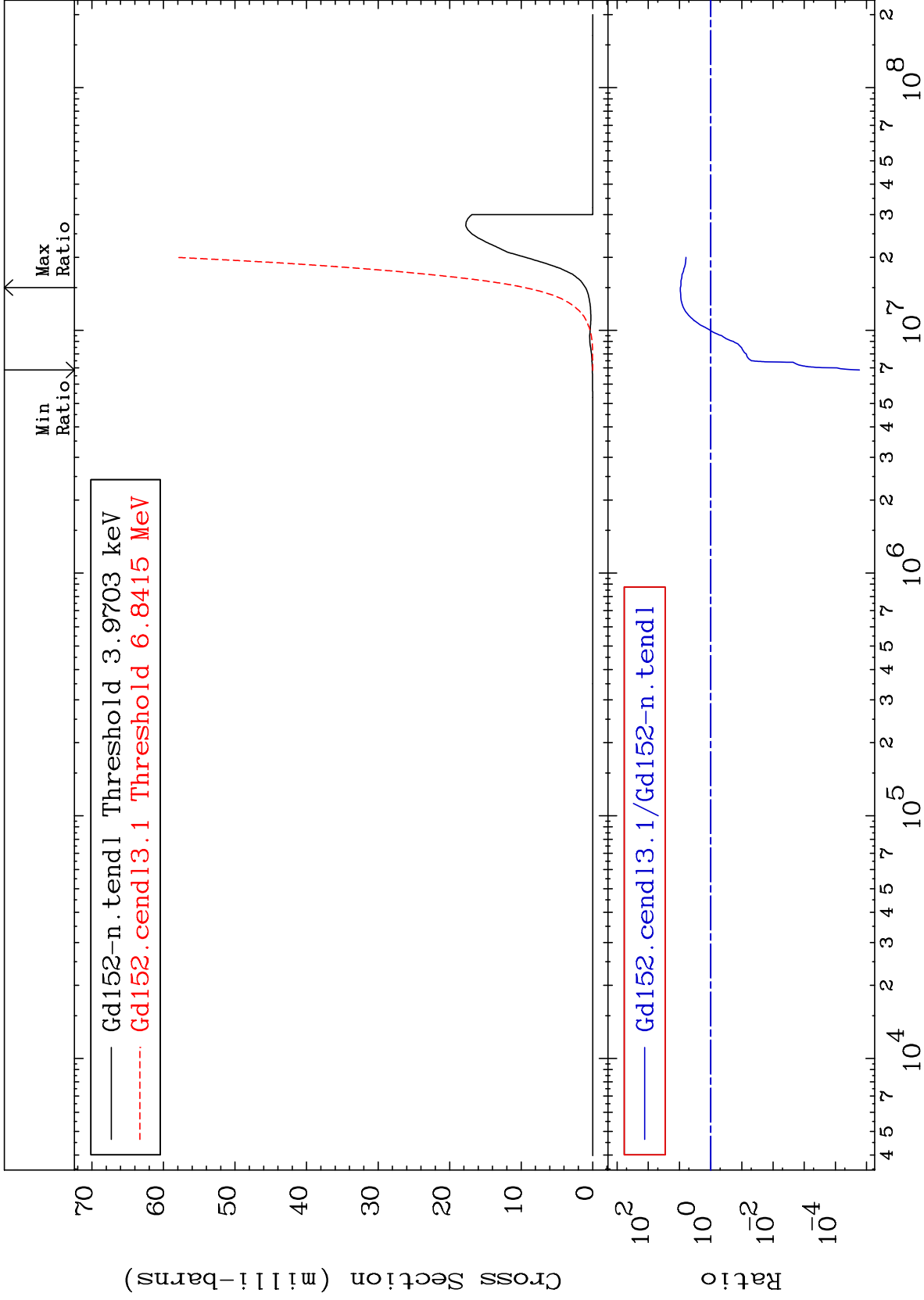
Incident Energy (eV)

64-Gd-152

MAT 6425

(n, n') α
Cross Section

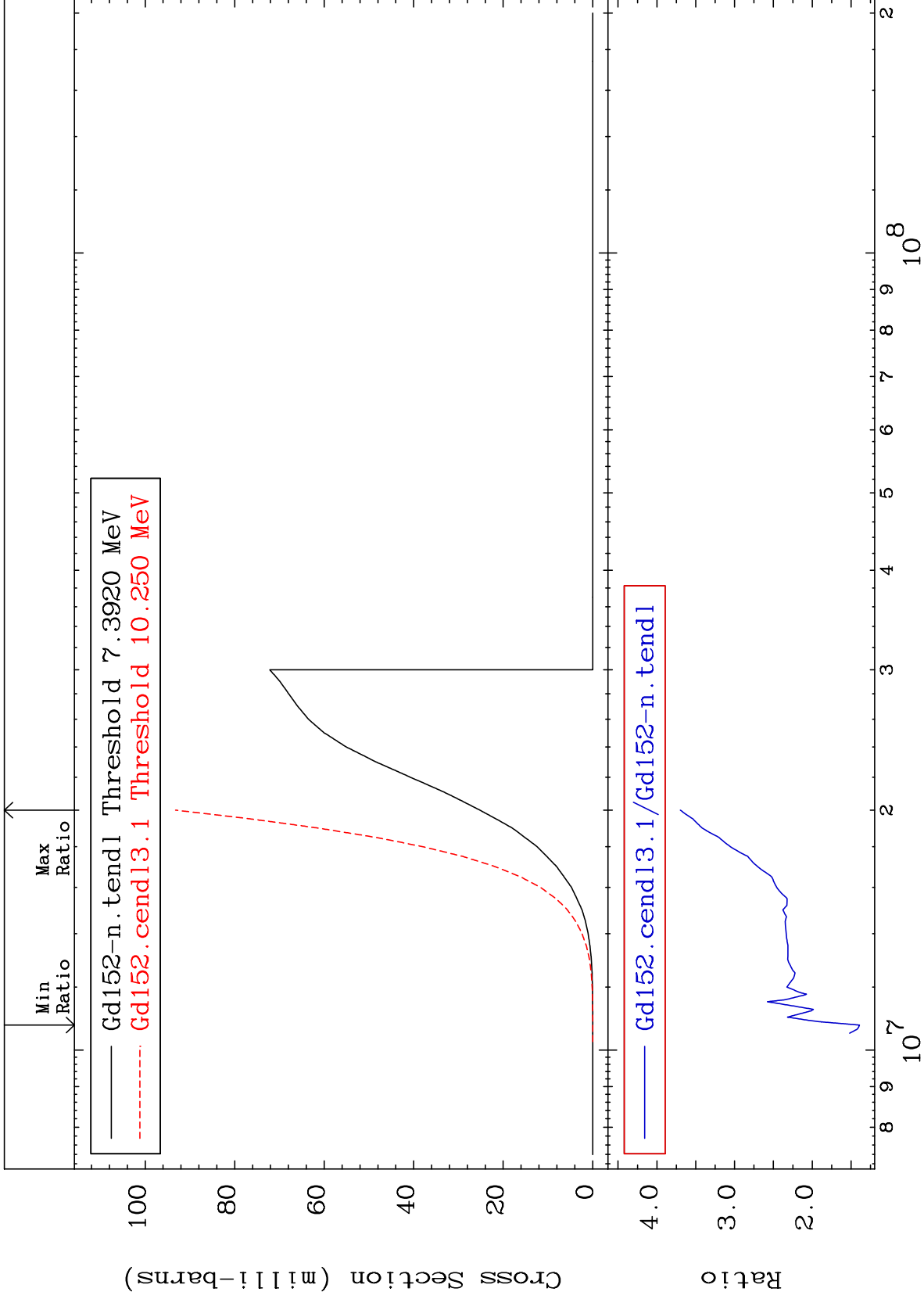
64-Gd-152
-100.0 To 837.5 %



MAT 6425

(n,n') p
Cross Section

64-Gd-152
39.25 To 269.8 %



7

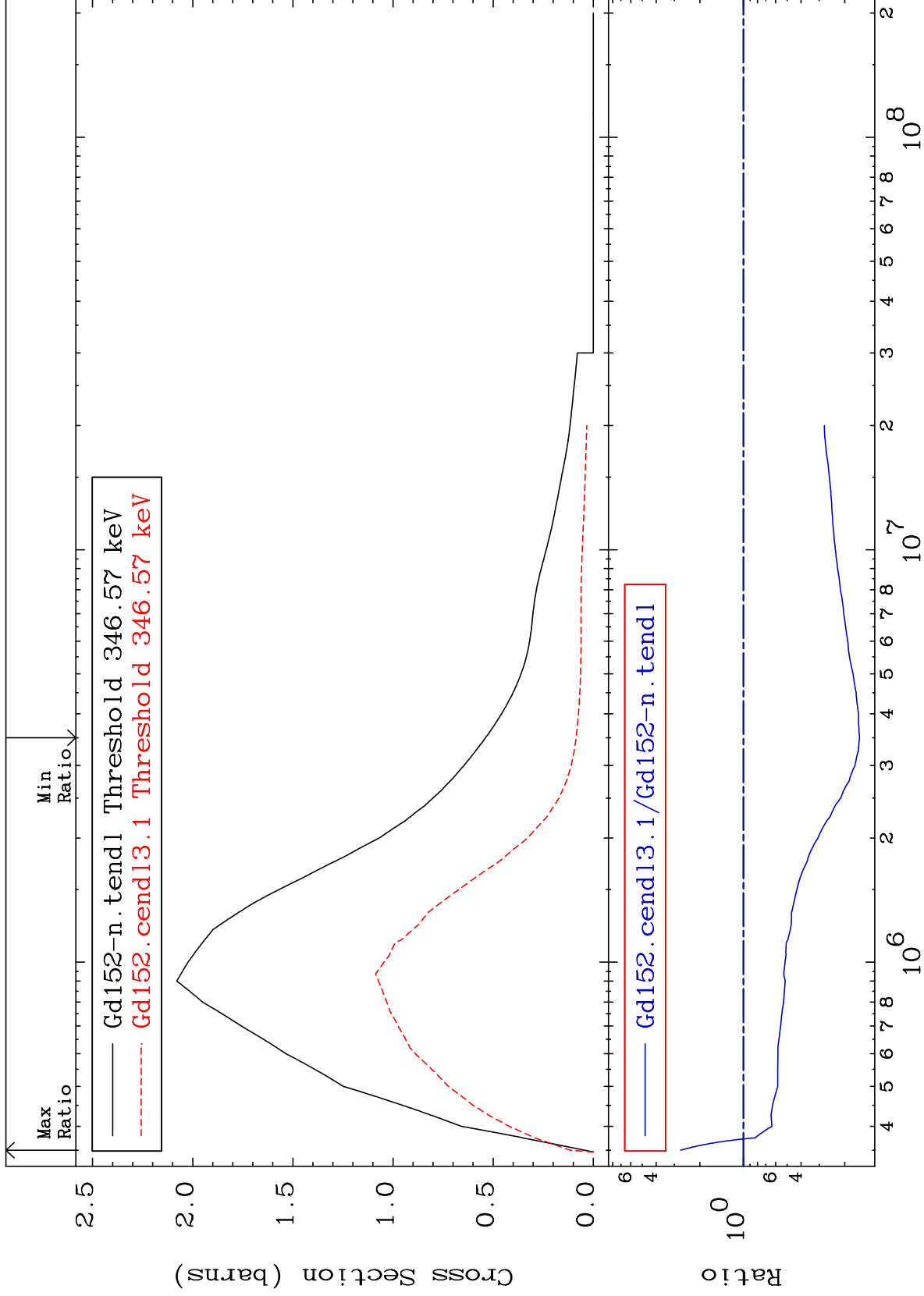
Incident Energy (eV)

64-Gd-152

MAT 6425

344.3 keV (n,n') Level
Cross Section

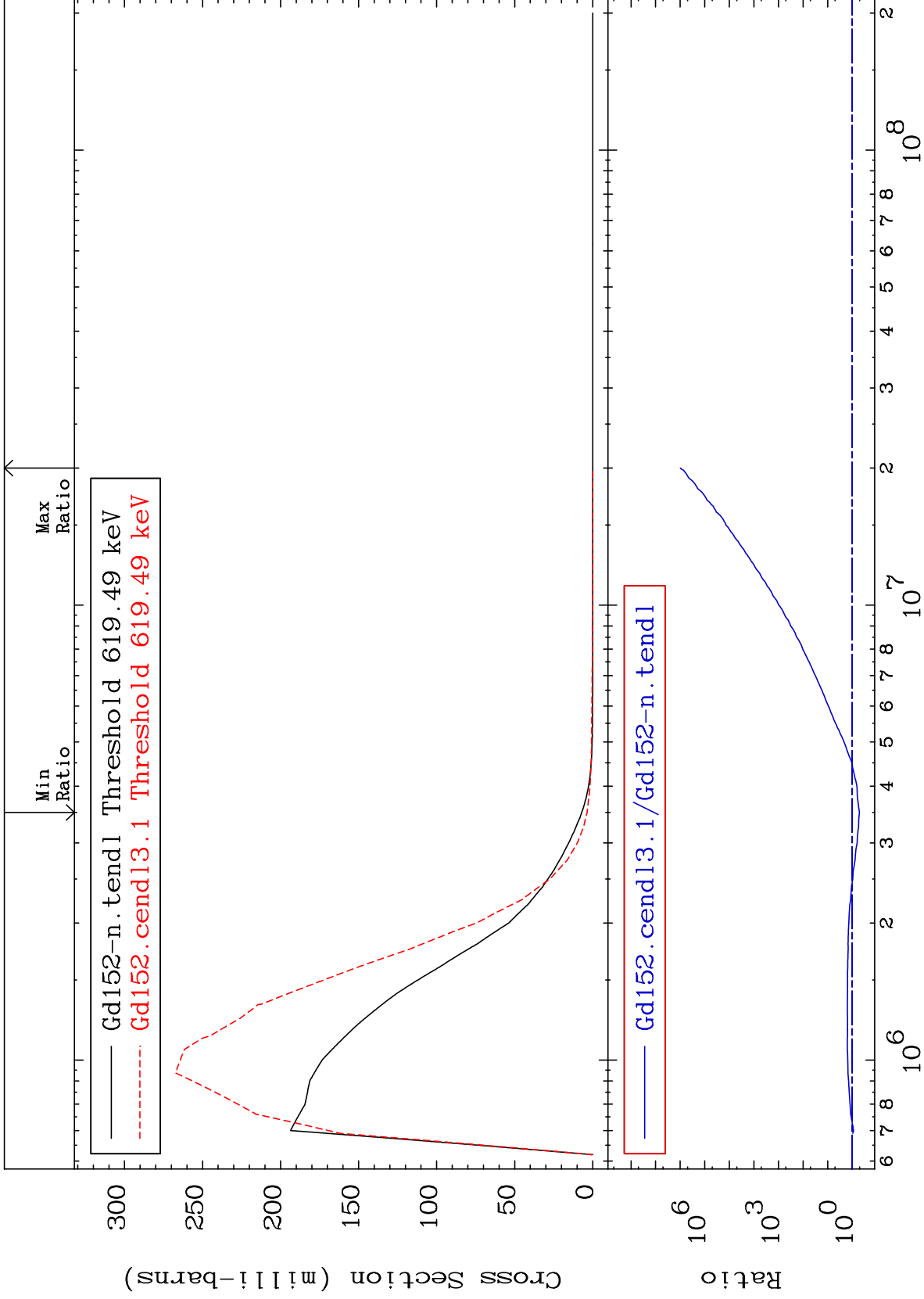
64-Gd-152
-84.18 To 170.8 %



MAT 6425

615.4 keV (n,n') Level
Cross Section

64-Gd-152
-49.16 To 9999. %



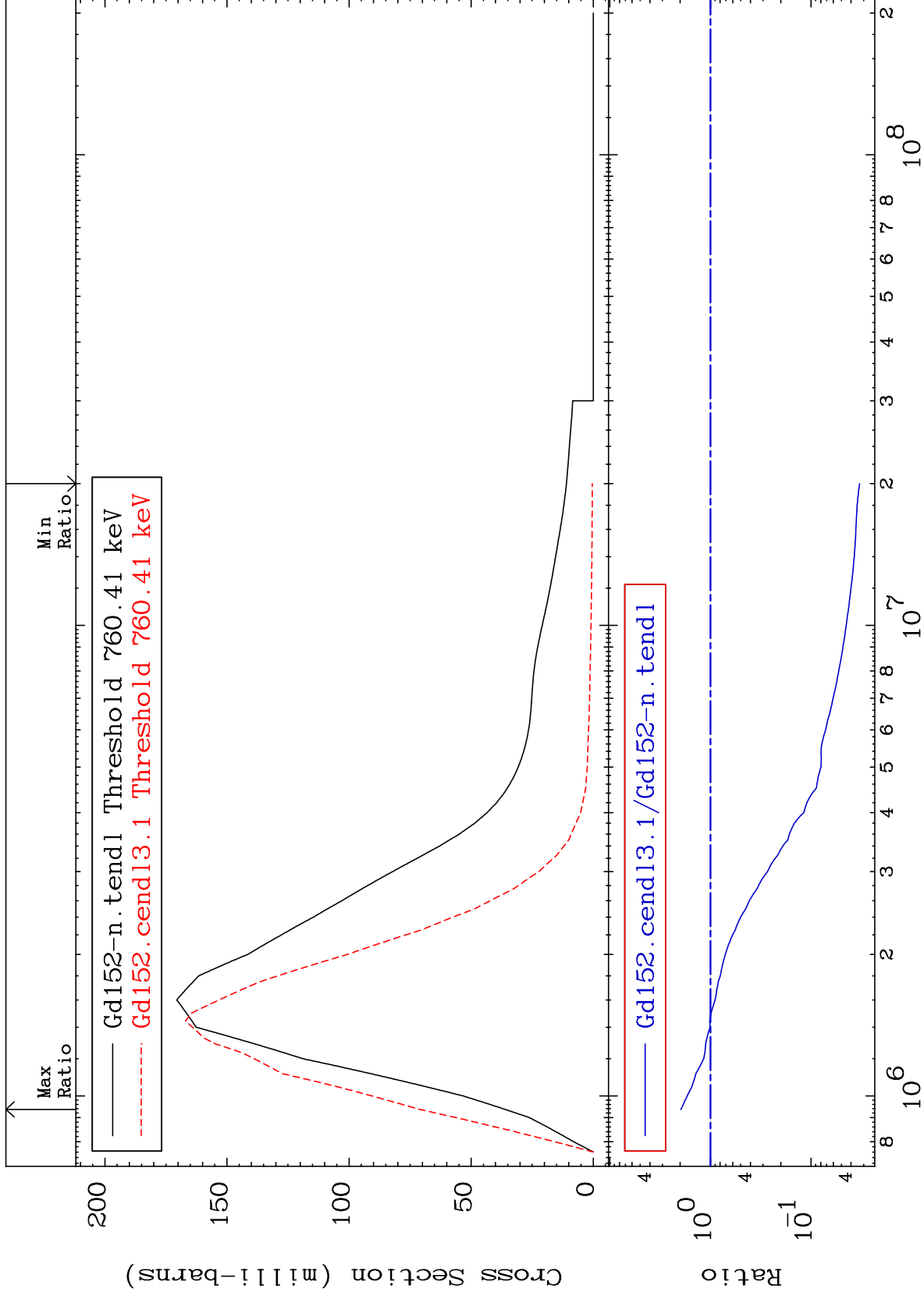
9

64-Gd-152

MAT 6425

755.4 keV (n,n') Level
Cross Section

64-Gd-152
-96.70 To 97.03 %



10

Incident Energy (eV)

64-Gd-152

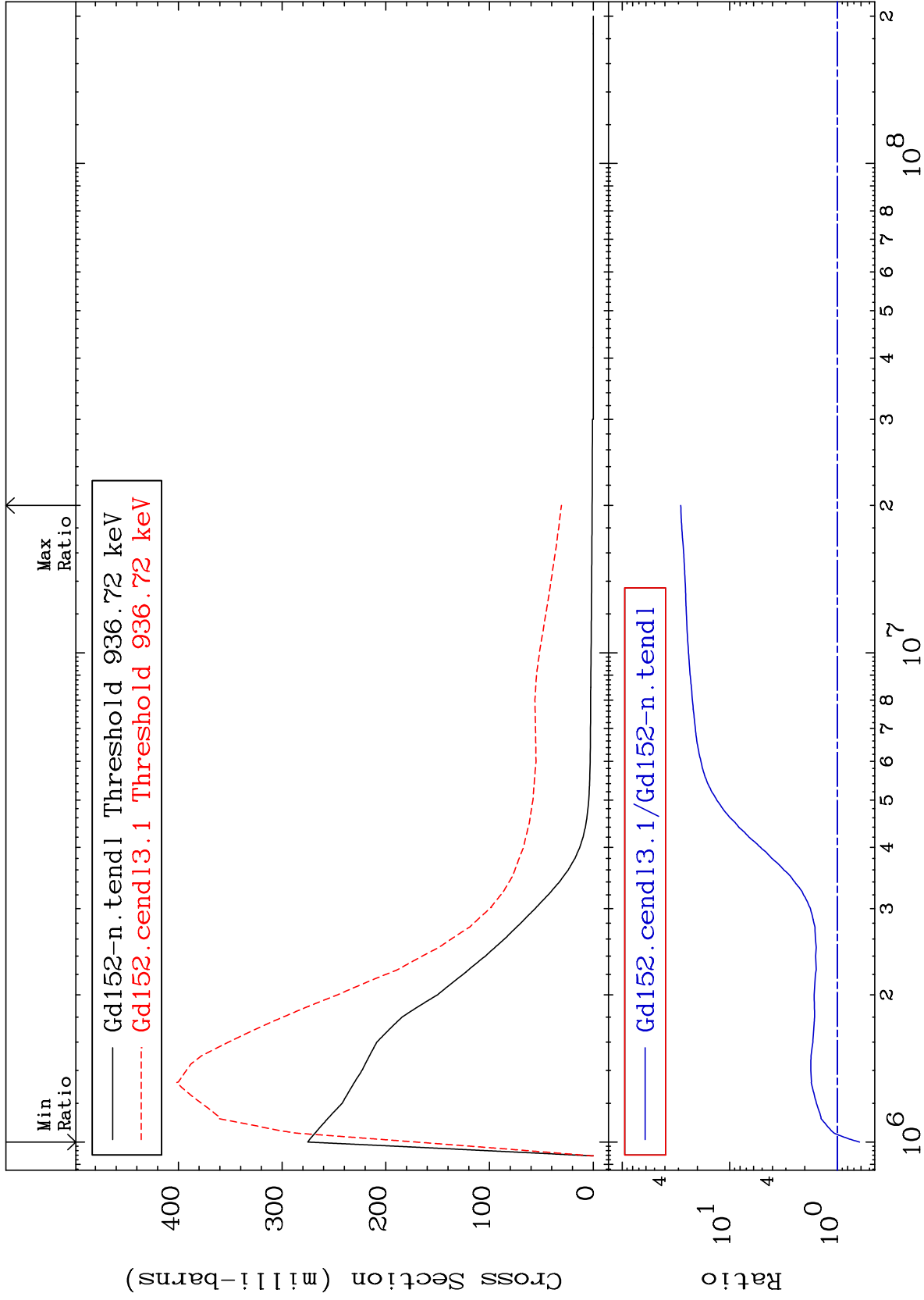
MAT 6425

930.5 keV (n,n') Level

64-Gd-152

-37.97 To 2752. %

Cross Section



11

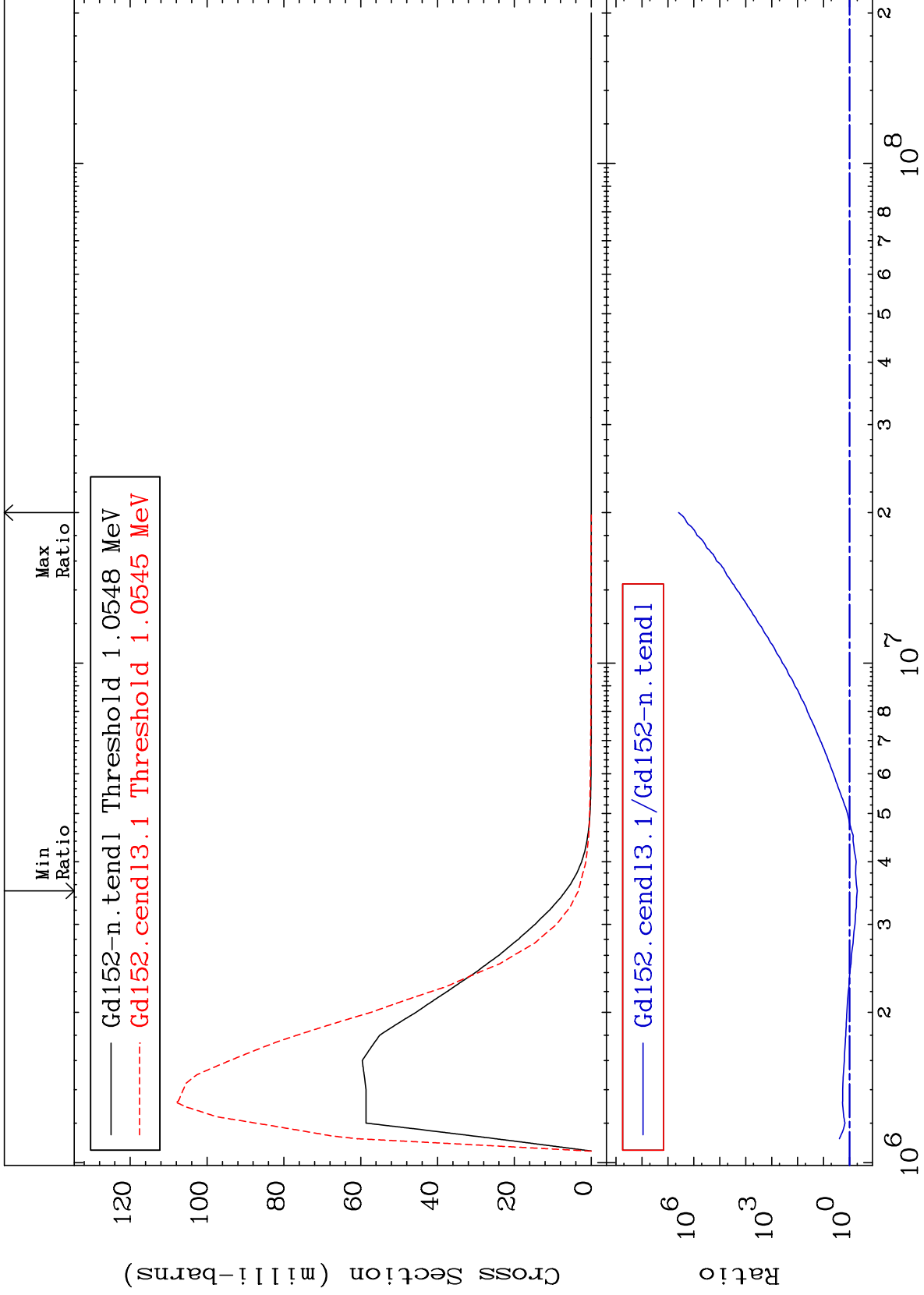
Incident Energy (eV)

64-Gd-152

MAT 6425

1.048 MeV (n,n') Level
Cross Section

64-Gd-152
-49.86 To 9999. %



12

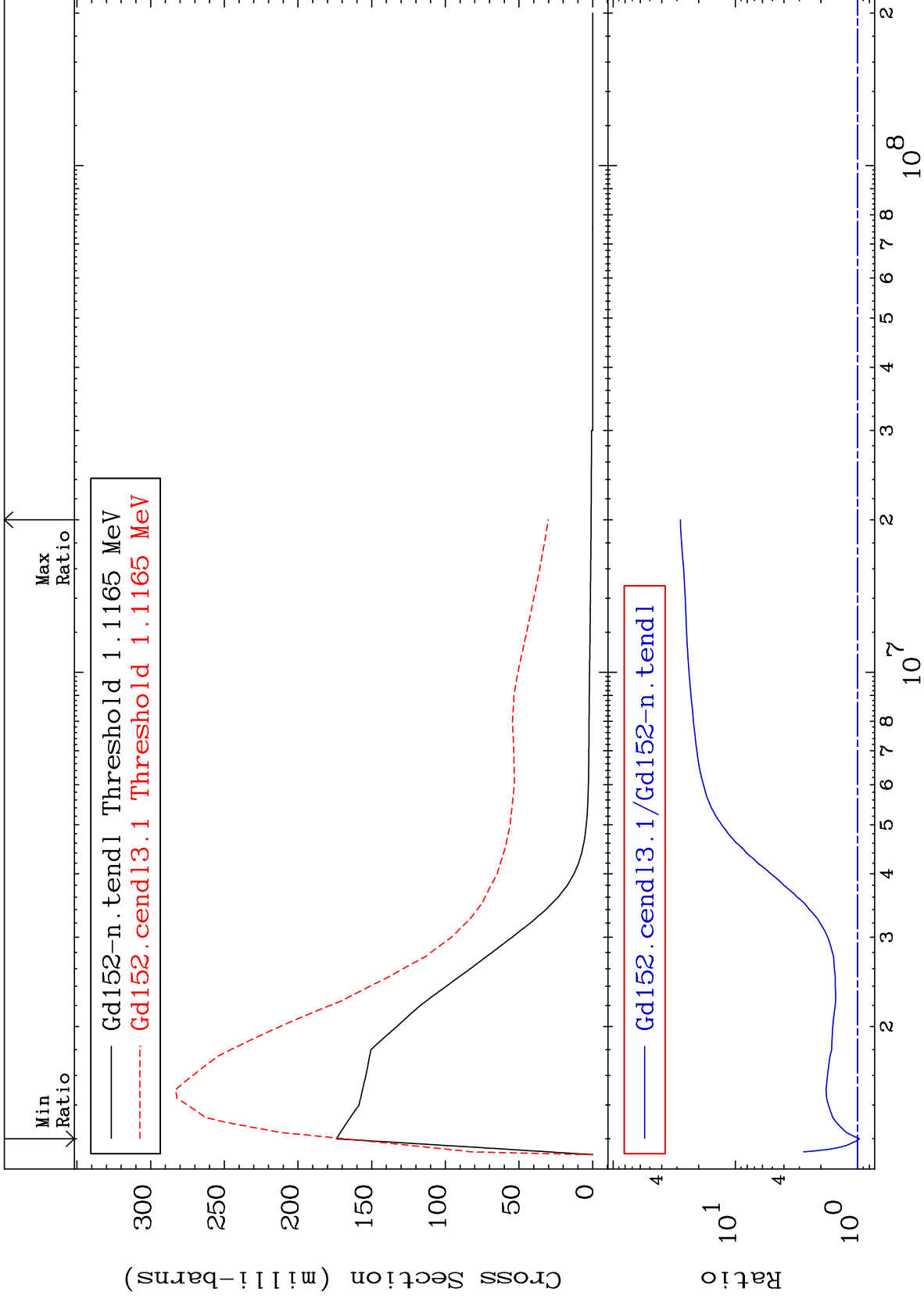
Incident Energy (eV)

64-Gd-152

MAT 6425

1.109 MeV (n,n') Level
Cross Section

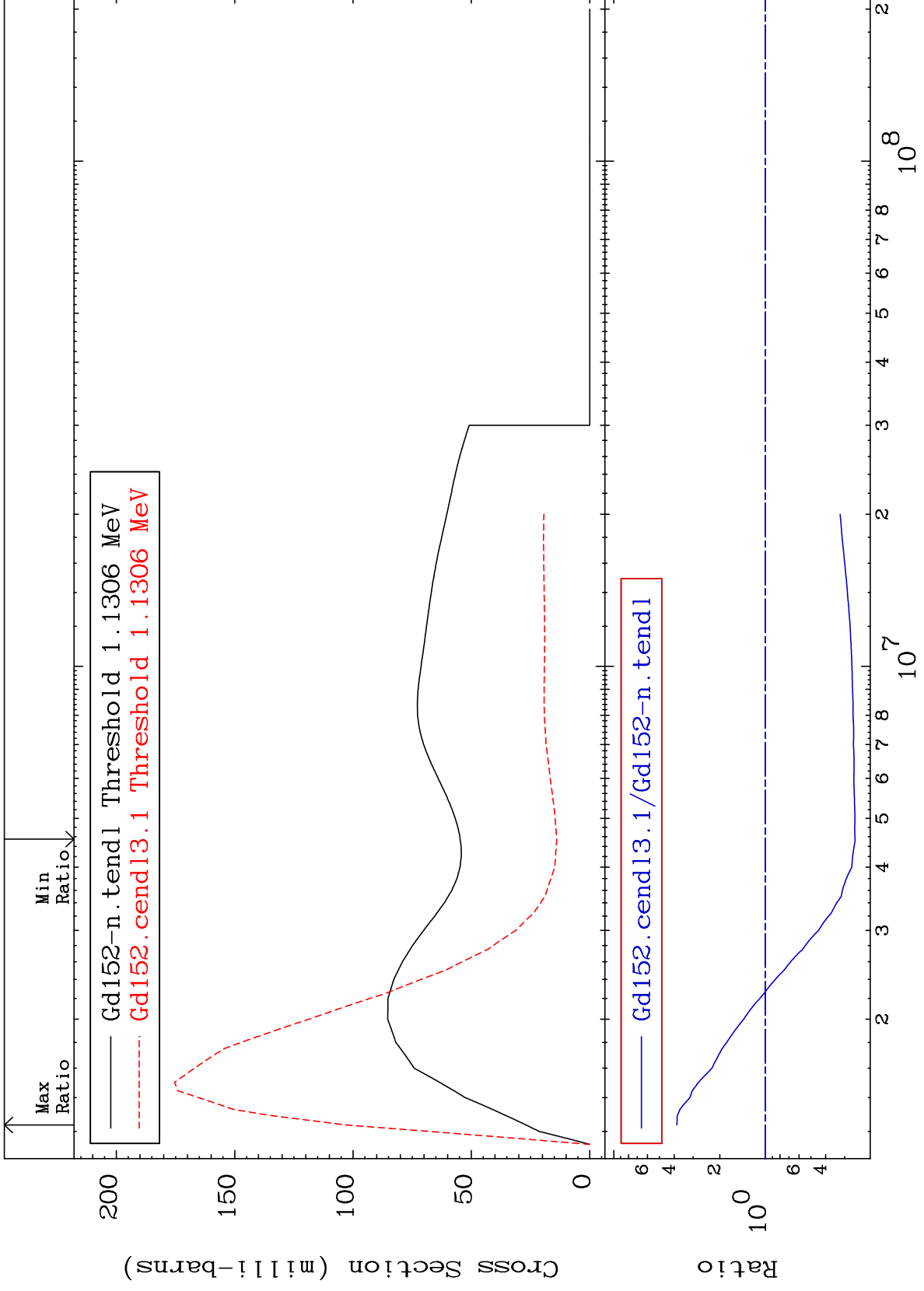
64-Gd-152
-3.388 To 2719. %



MAT 6425

1.123 MeV (n,n') Level
Cross Section

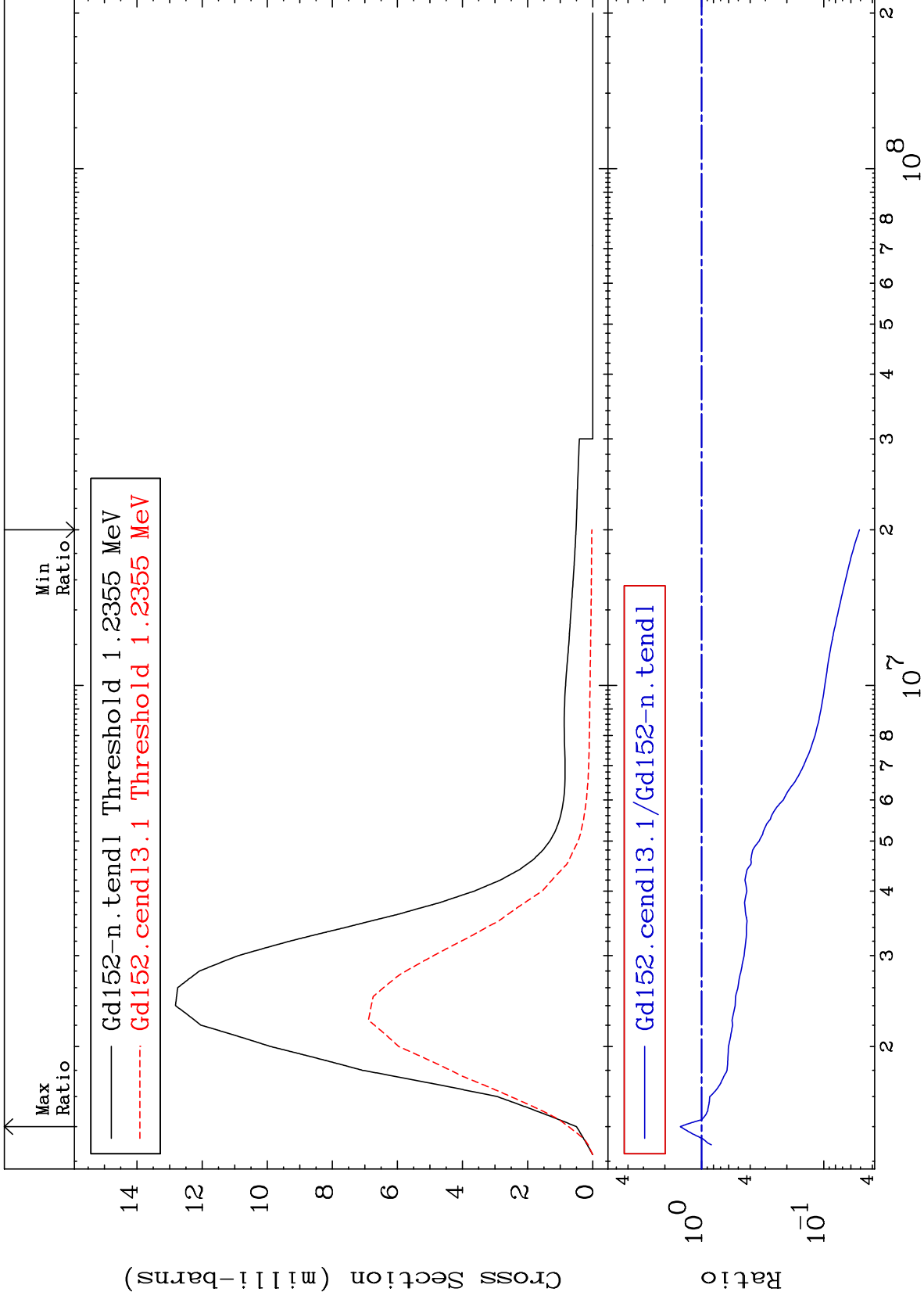
64-Gd-152
-74.41 To 283.2 %



MAT 6425

1.227 MeV (n,n') Level
Cross Section

64-Gd-152
-94.90 To 49.22 %



15

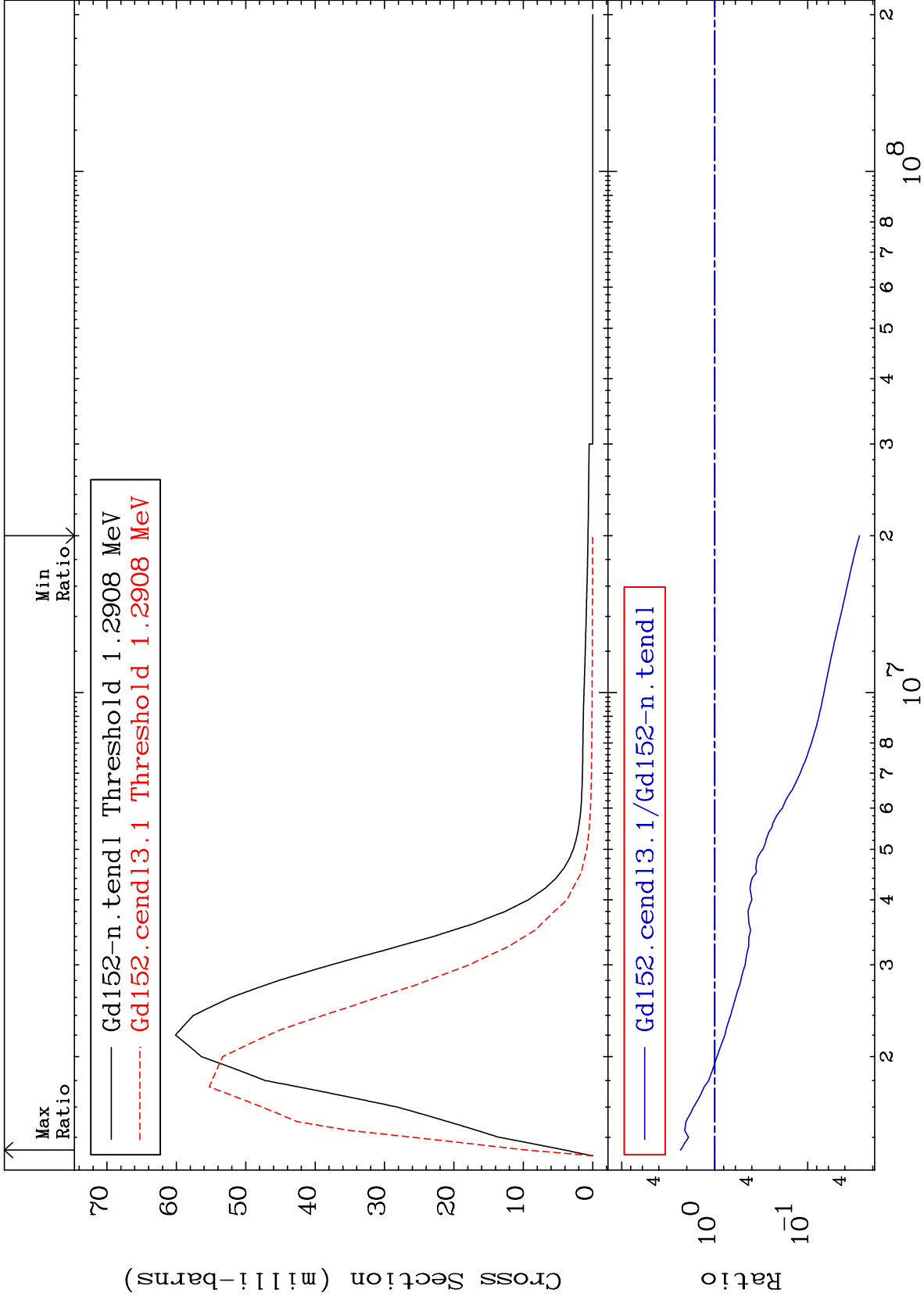
Incident Energy (eV)

64-Gd-152

MAT 6425

1.282 MeV (n,n') Level
Cross Section

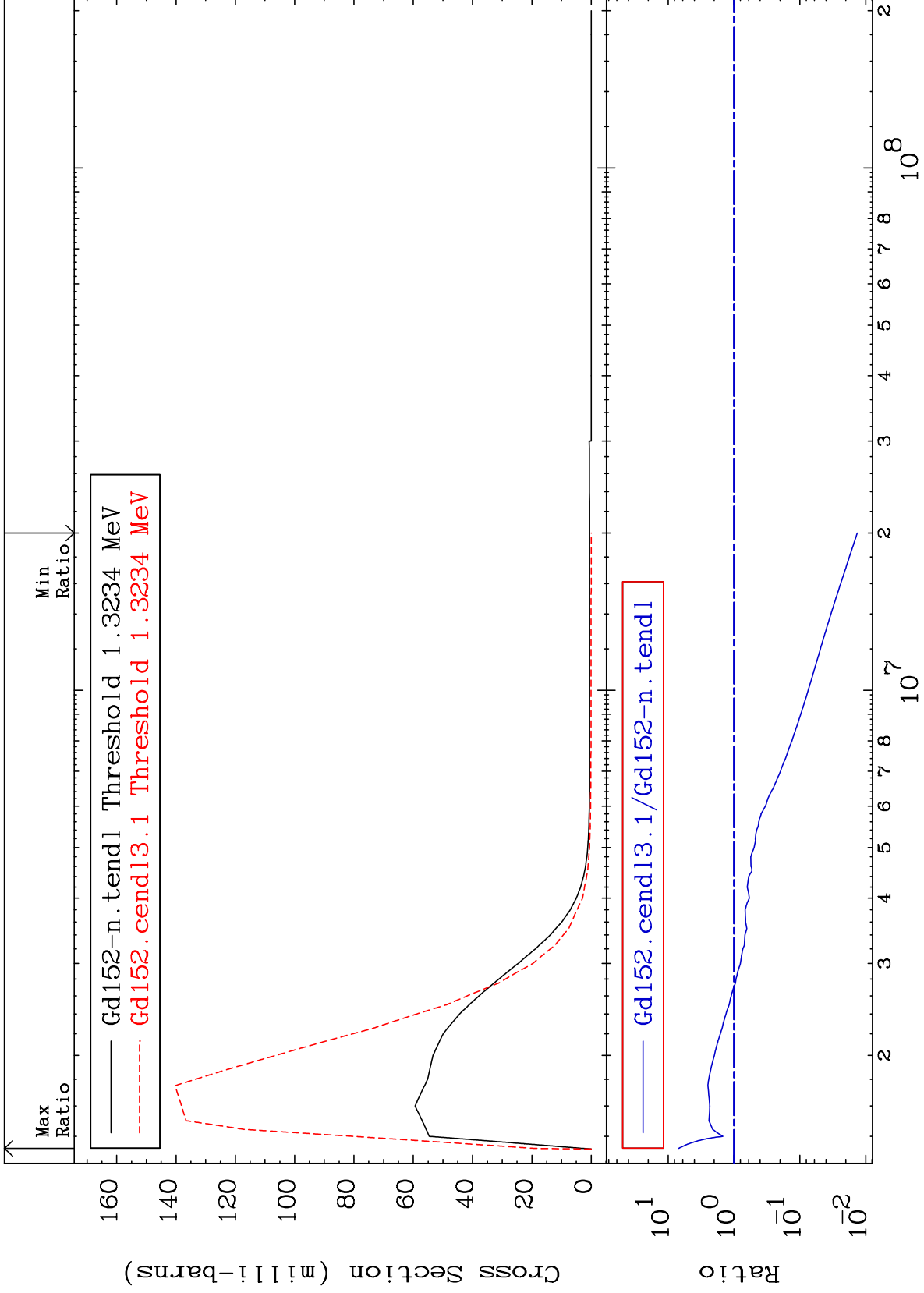
64-Gd-152
-97.22 To 134.4 %



MAT 6425

1.315 MeV (n,n') Level
Cross Section

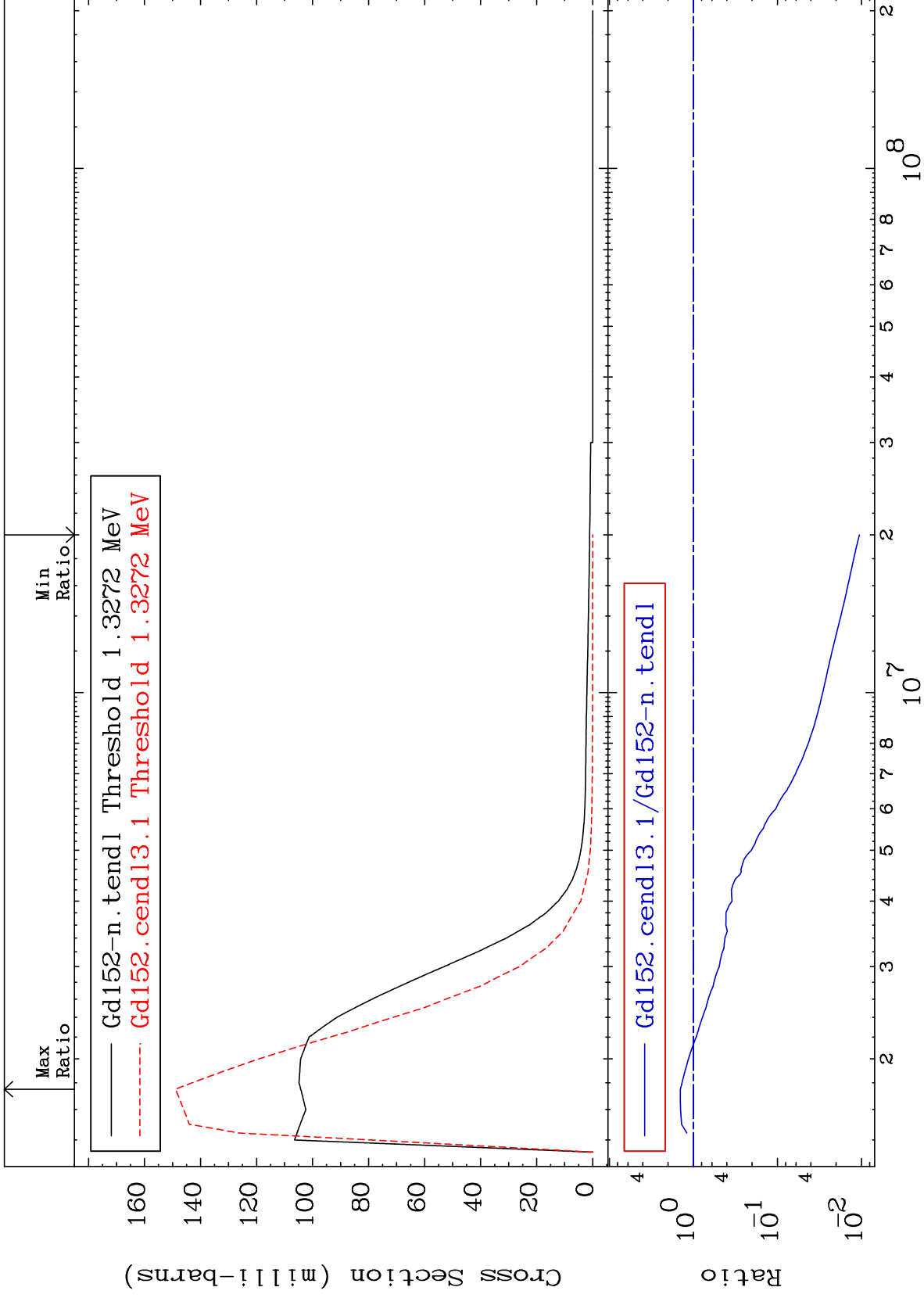
64-Gd-152
-98.66 To 592.8 %



MAT 6425

1.318 MeV (n,n') Level
Cross Section

64-Gd-152
-98.94 To 42.91 %



18

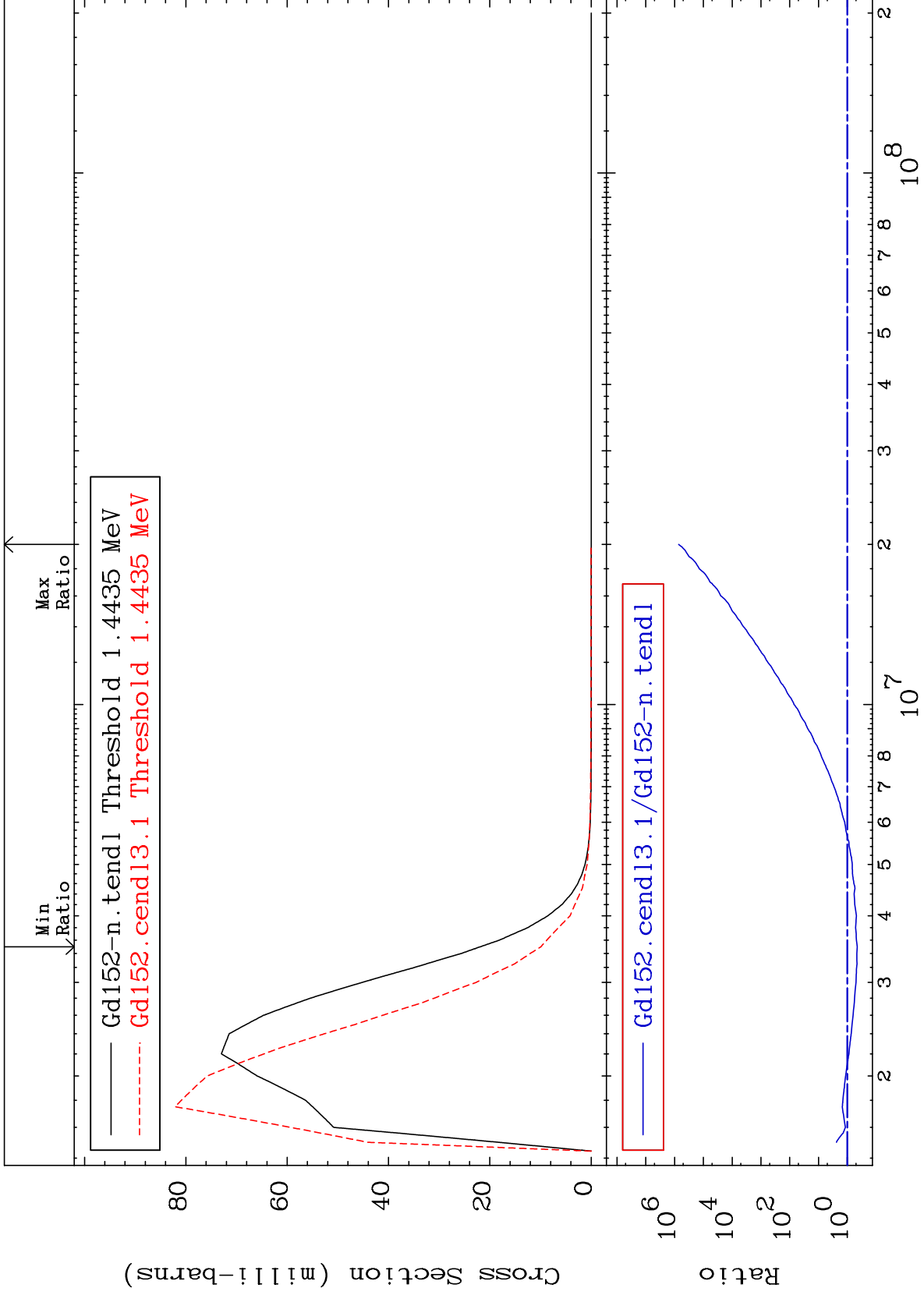
Incident Energy (eV)

64-Gd-152

MAT 6425

1.434 MeV (n,n') Level
Cross Section

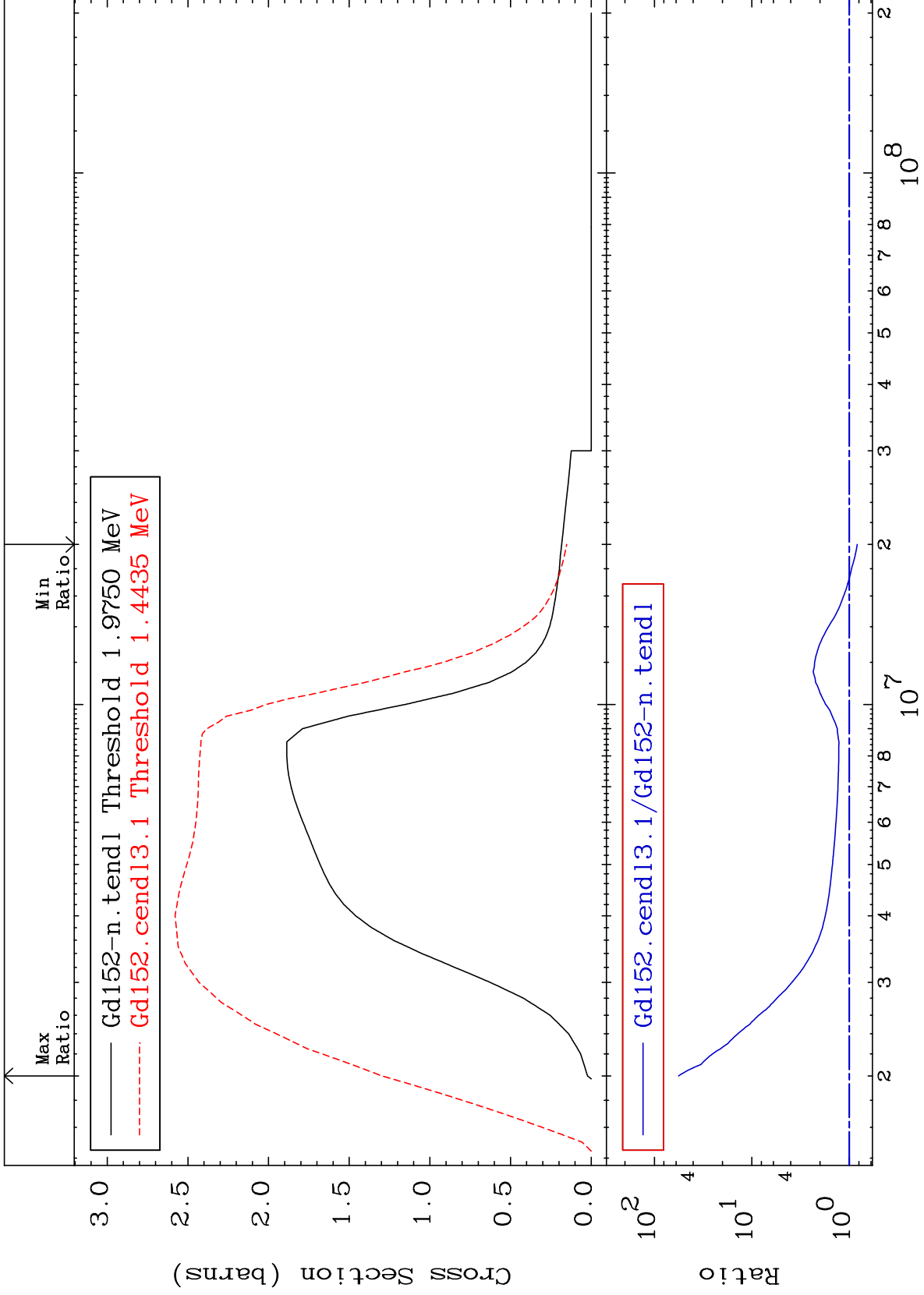
64-Gd-152
-54.66 To 9999. %



MAT 6425

(n, n') Continuum
Cross Section

64-Gd-152
-16.97 To 5537. %

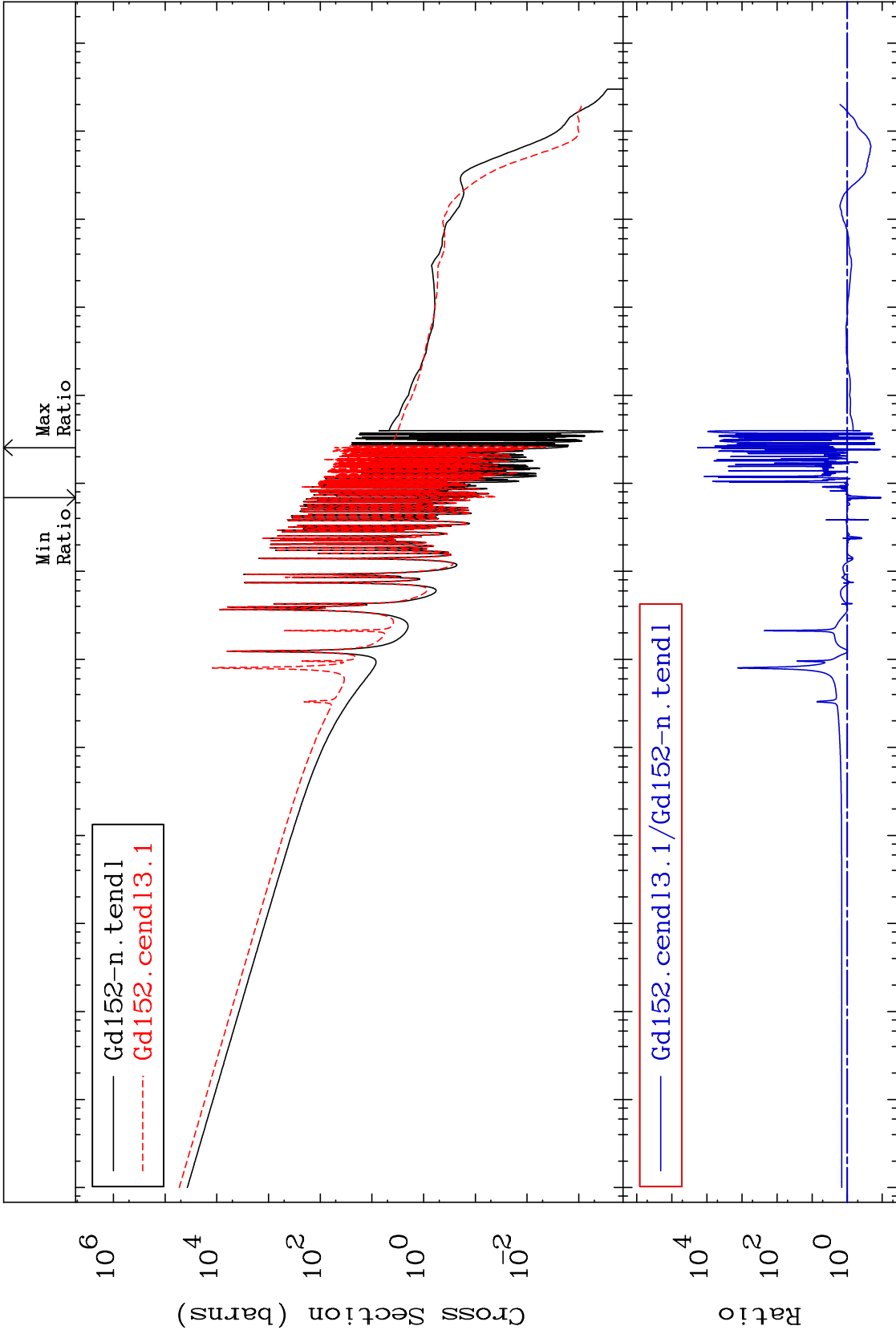


MAT 6425

64-Gd-152

-89.21 To 9999. %

(n, γ)
Cross Section



21

Incident Energy (eV)

64-Gd-152

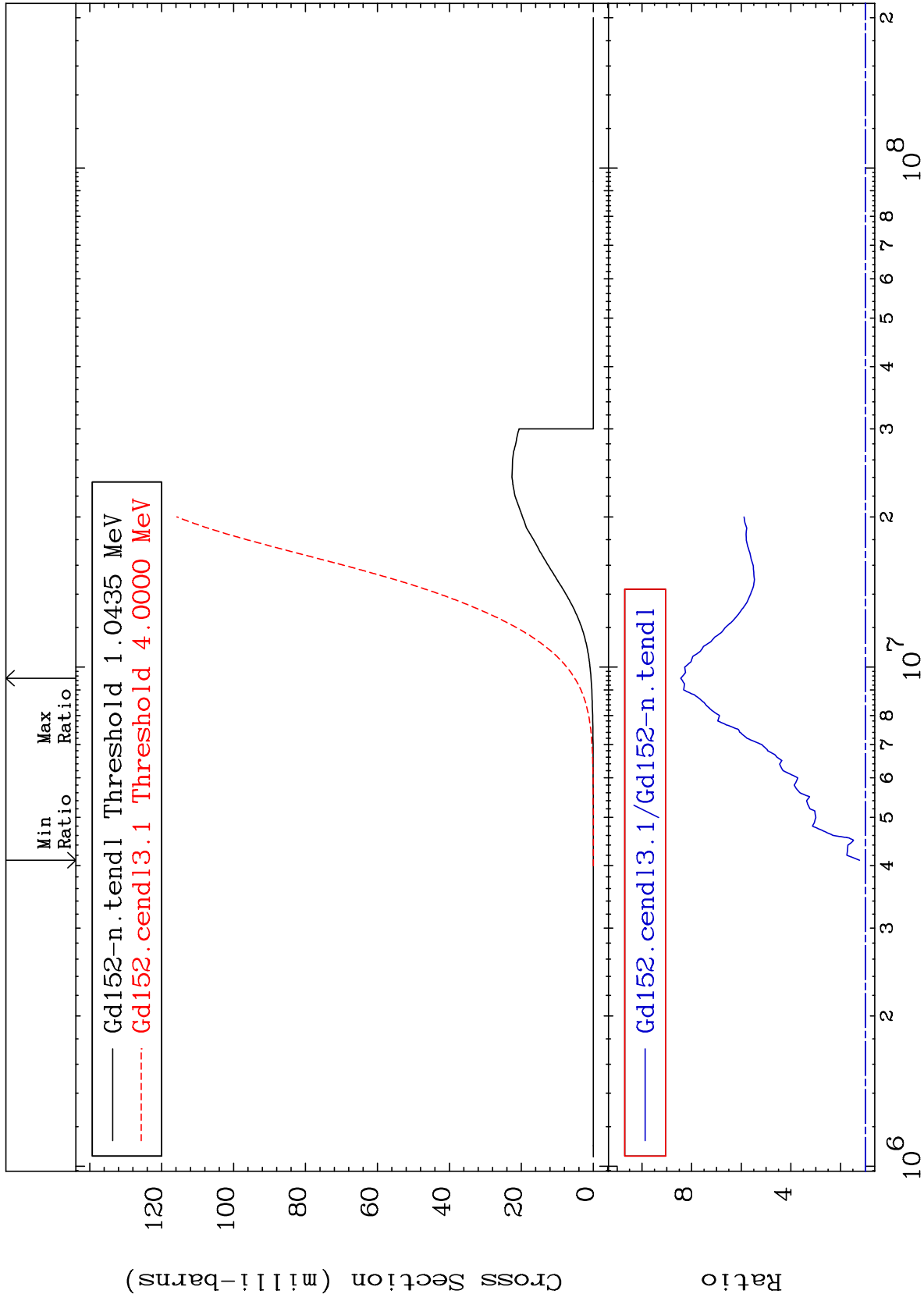
MAT 6425

(n, p)

64-Gd-152

Cross Section

23.47 To 743.8 %



22

Incident Energy (eV)

64-Gd-152

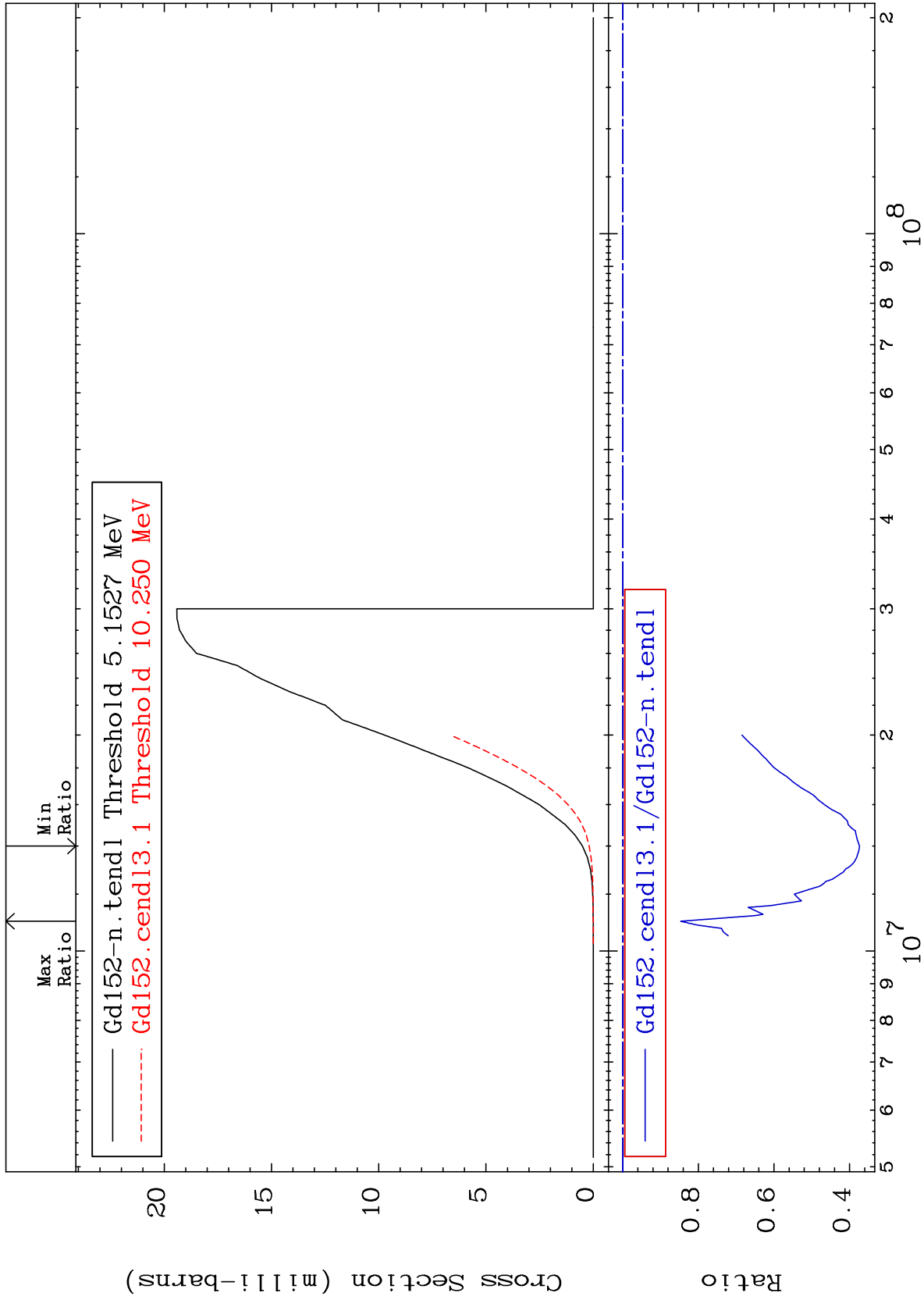
MAT 6425

(n, d)

64-Gd-152

Cross Section

-62.63 To -15.35%



23

Incident Energy (eV)

64-Gd-152

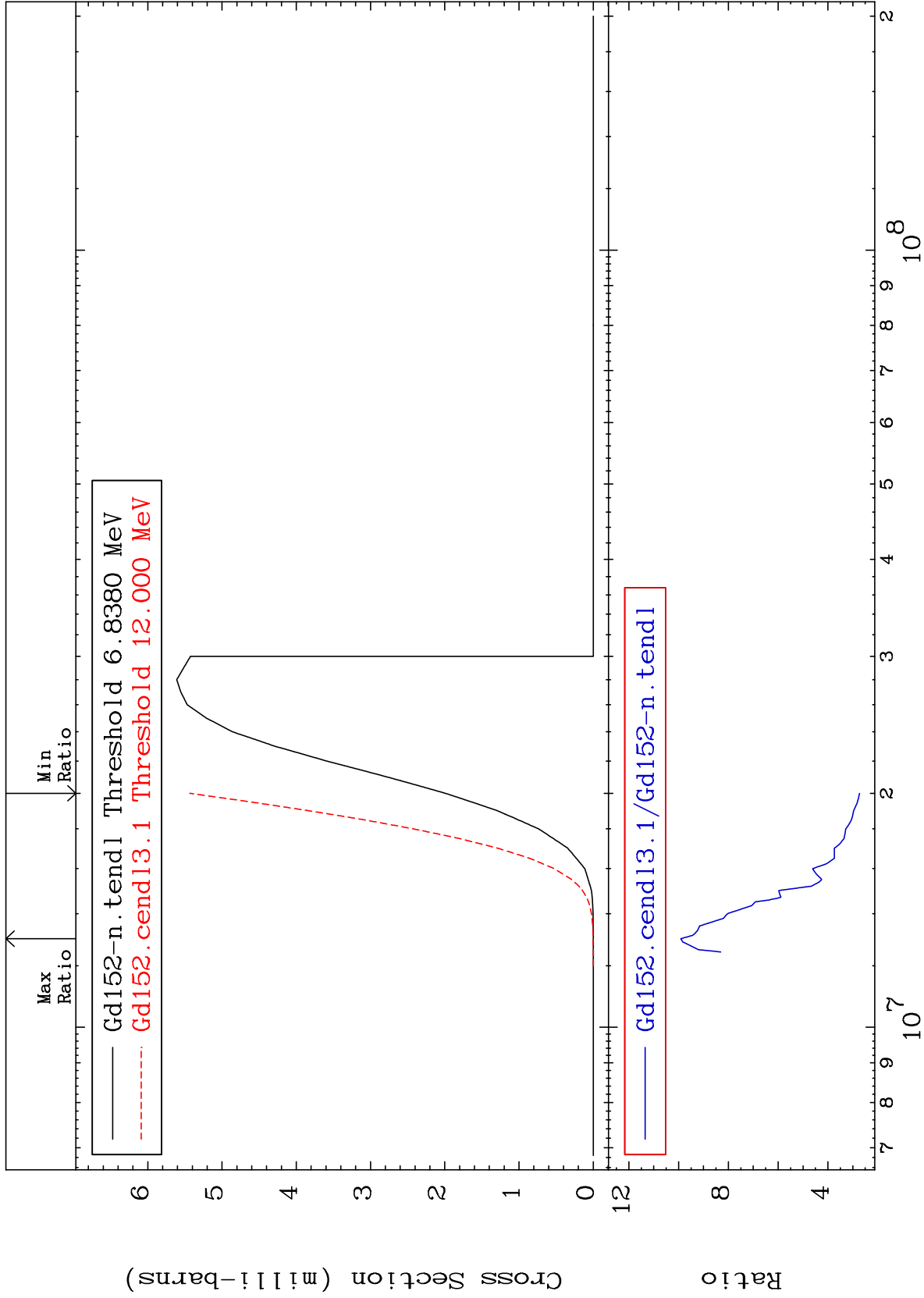
MAT 6425

(n, t)

64-Gd-152

Cross Section

172.9 To 891.4 %

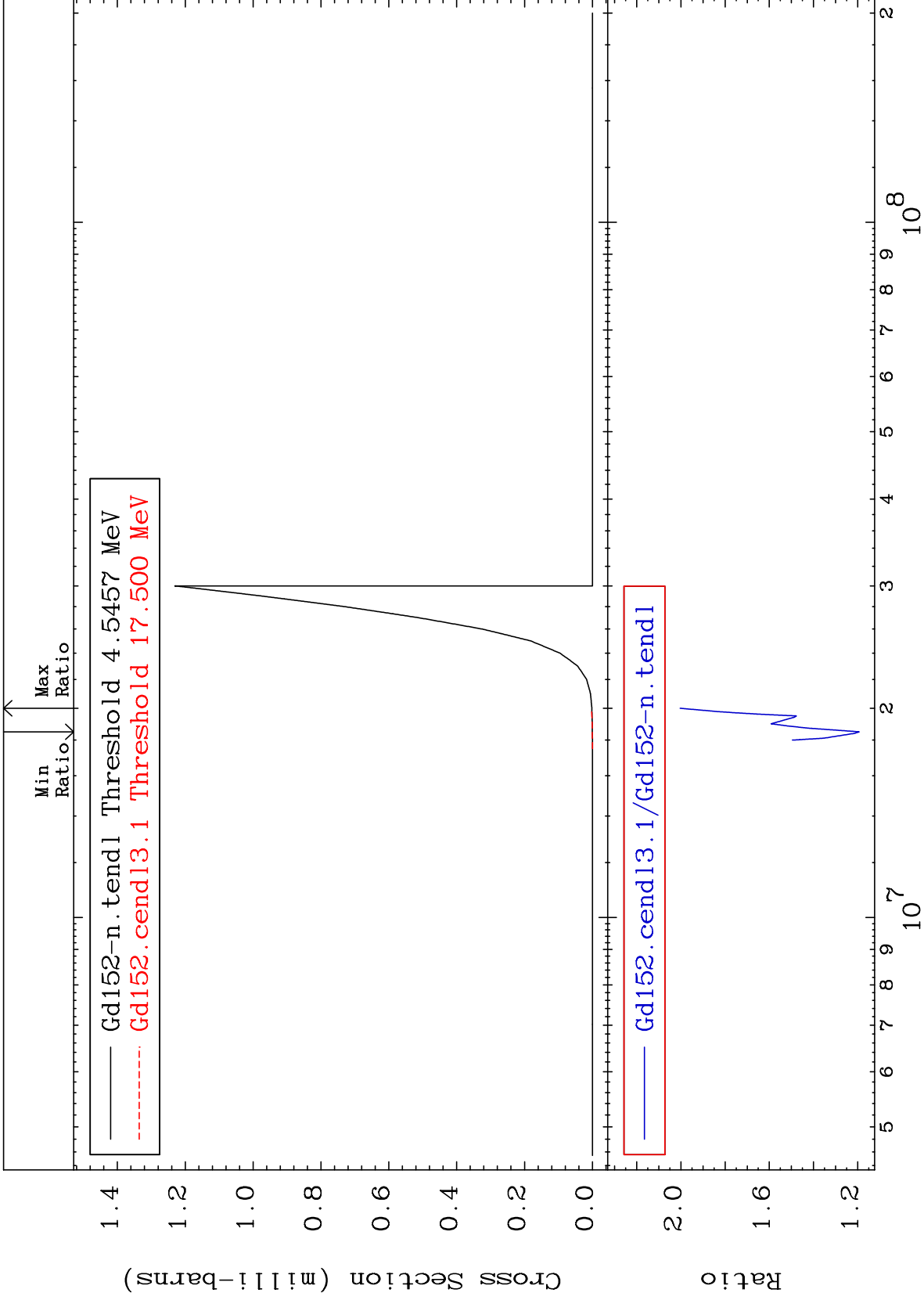


24

64-Gd-152

Cross Section

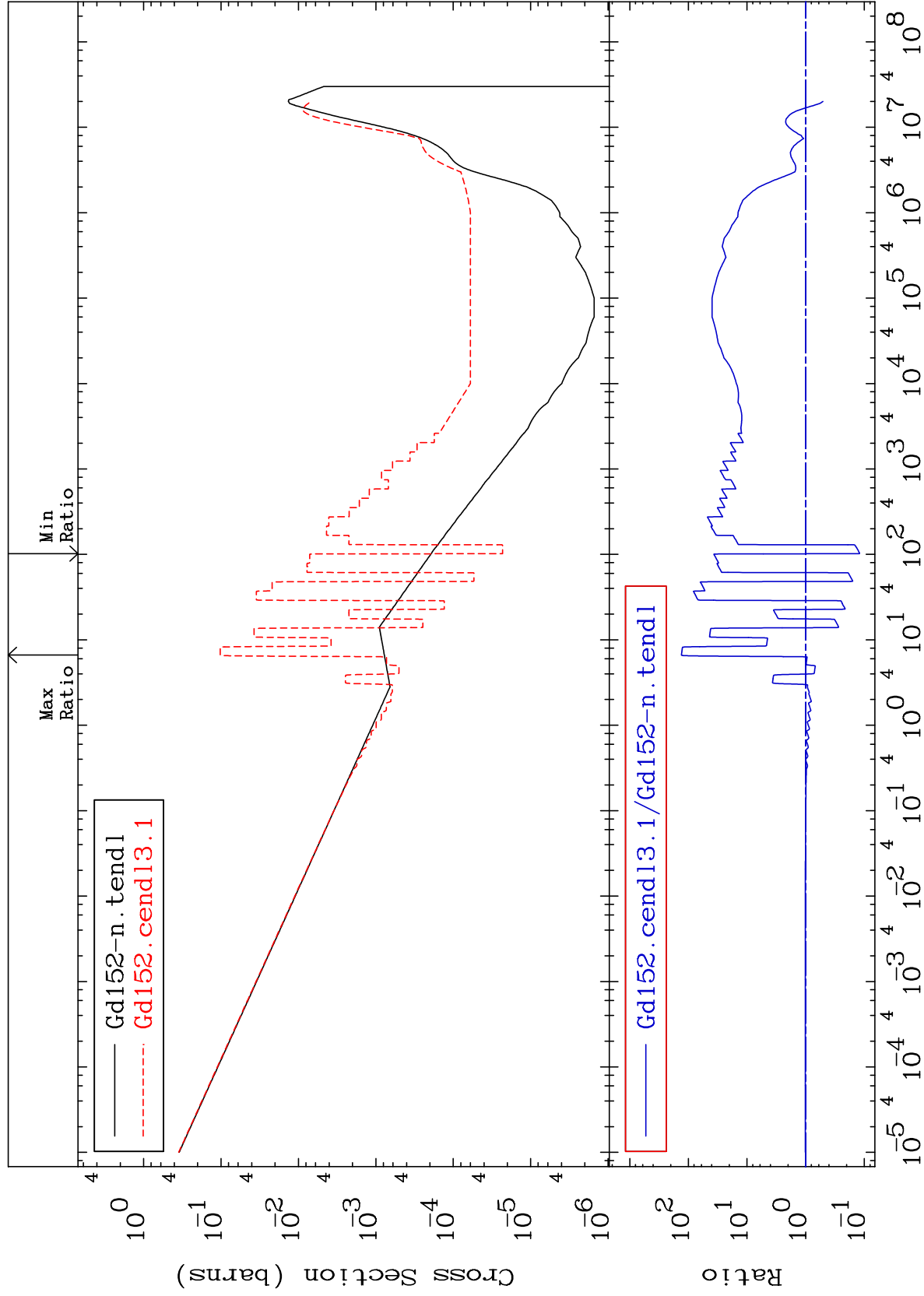
19.24 To 100.3 %



MAT 6425

64-Gd-152

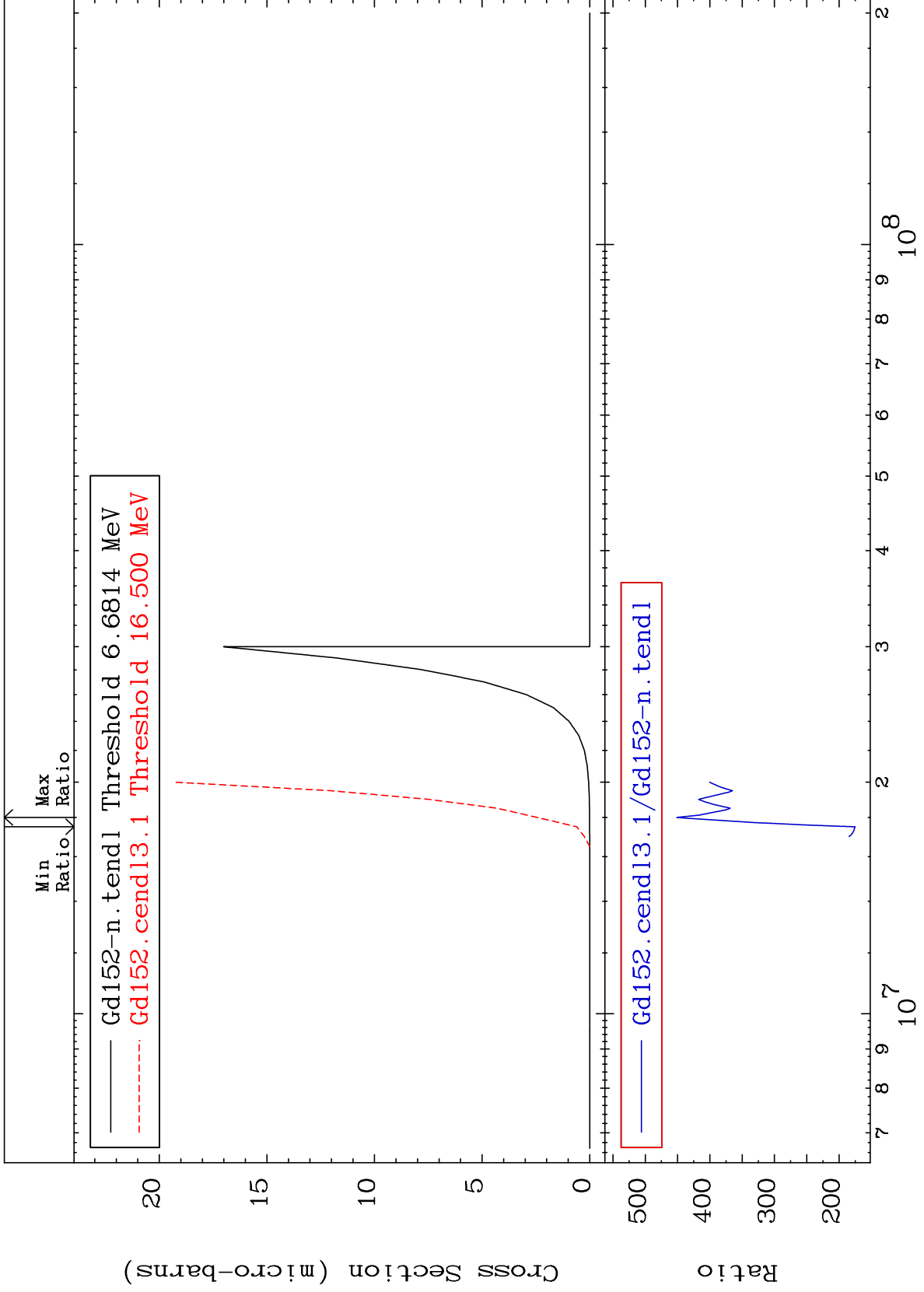
-88.01 To 9999. %

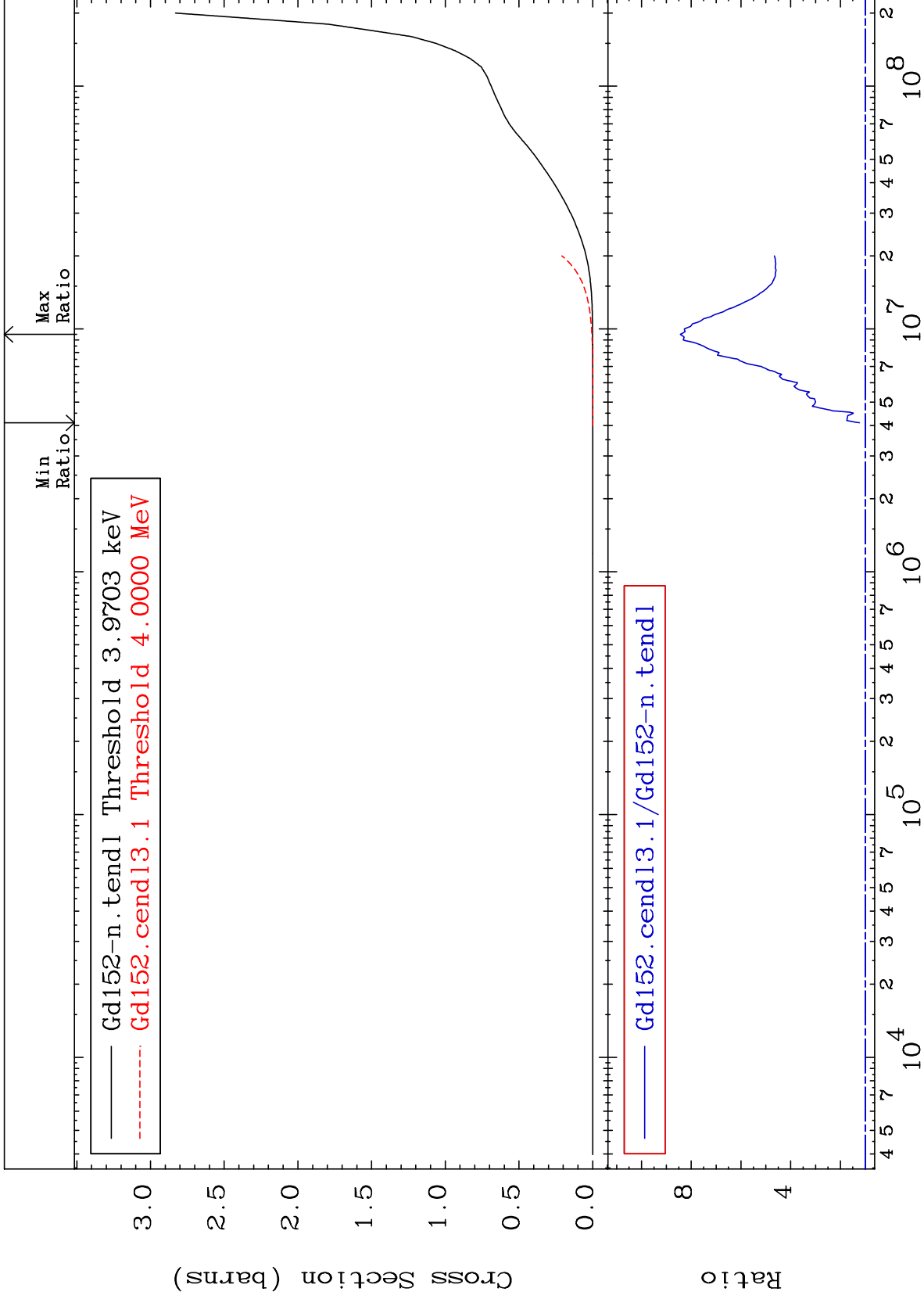


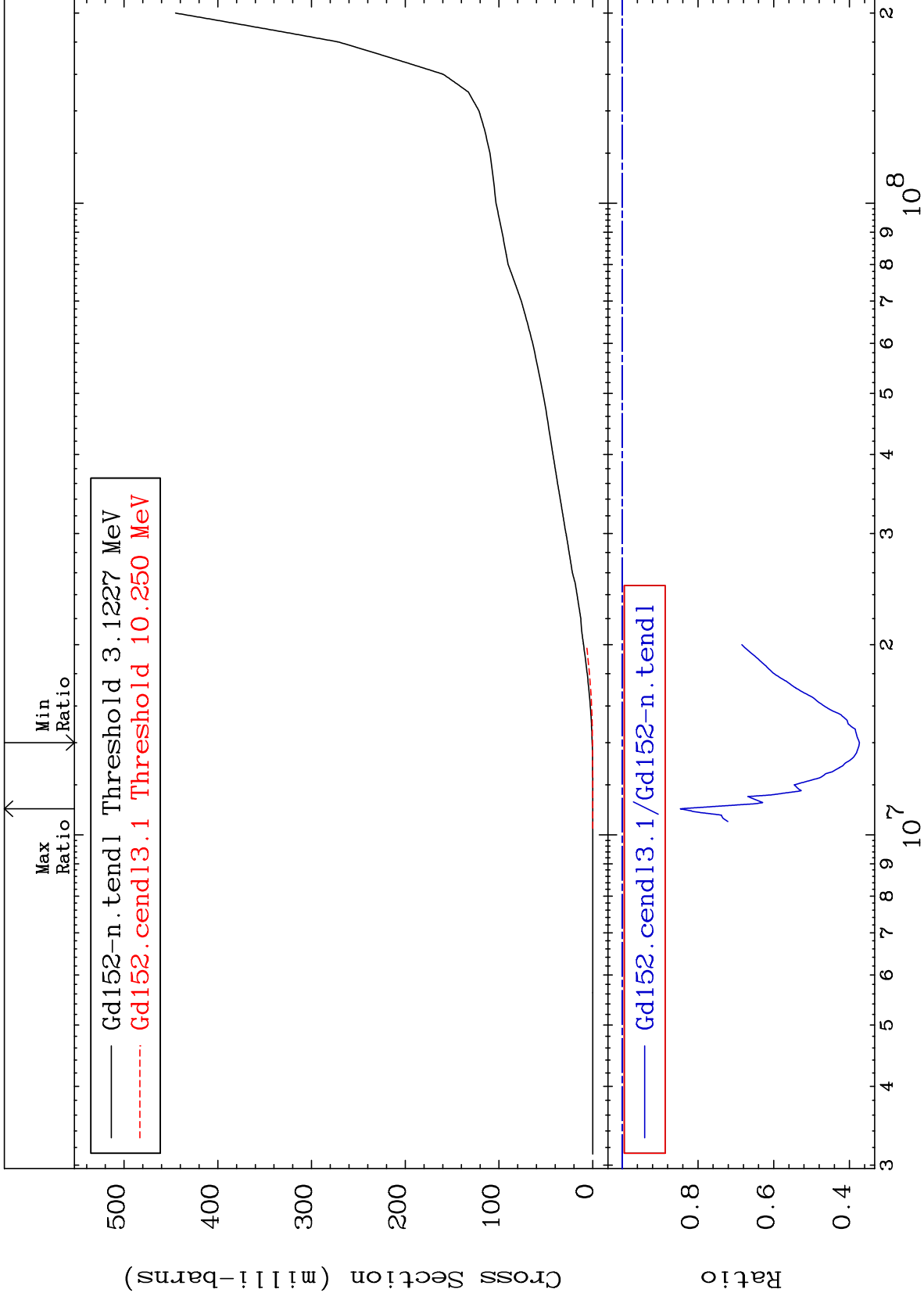
MAT 6425

(n,2p)
Cross Section

64-Gd-152
9999. To 9999. %



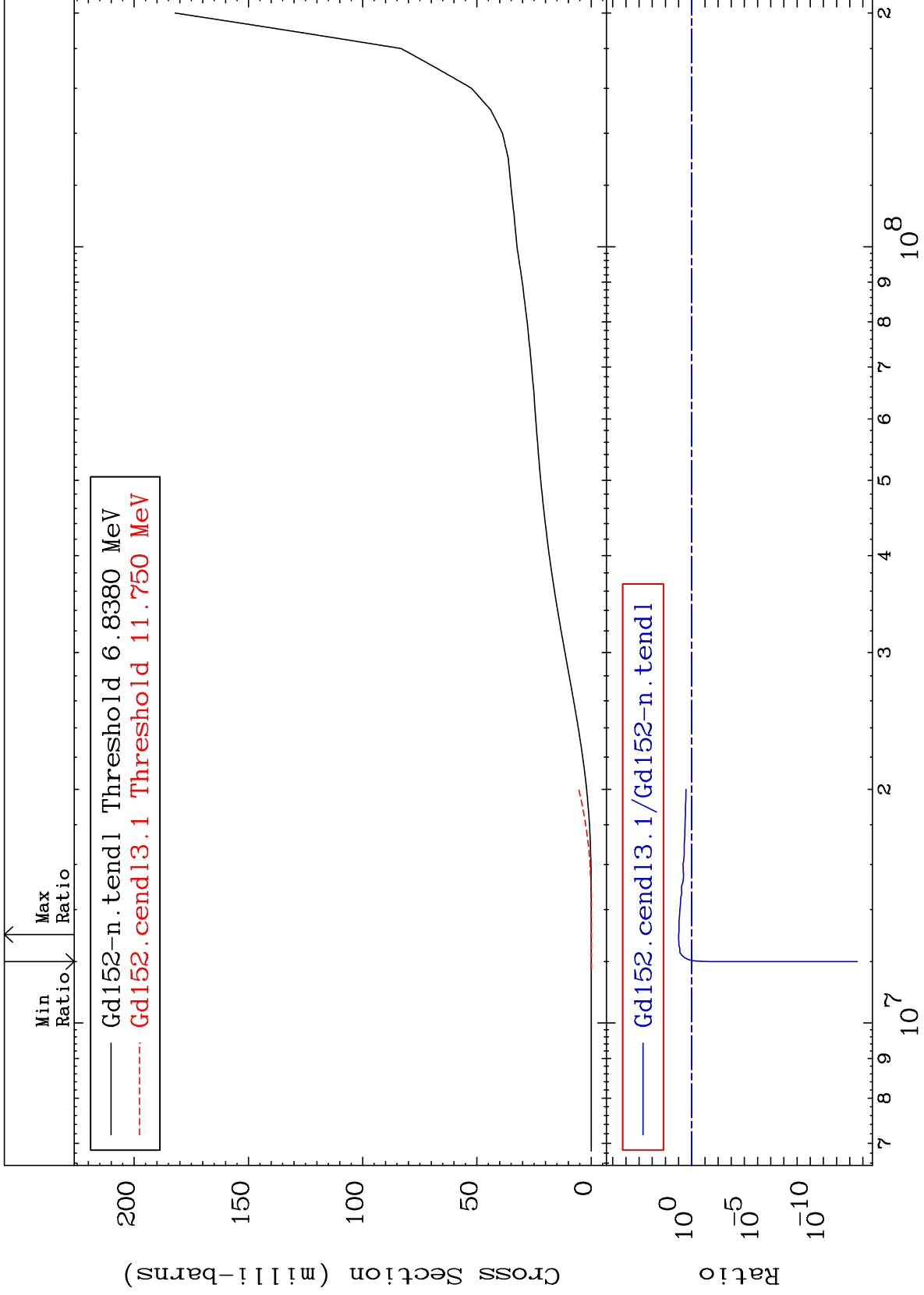




MAT 6425

Tritium Production
Cross Section

64-Gd-152
-100.0 To 891.4 %



30

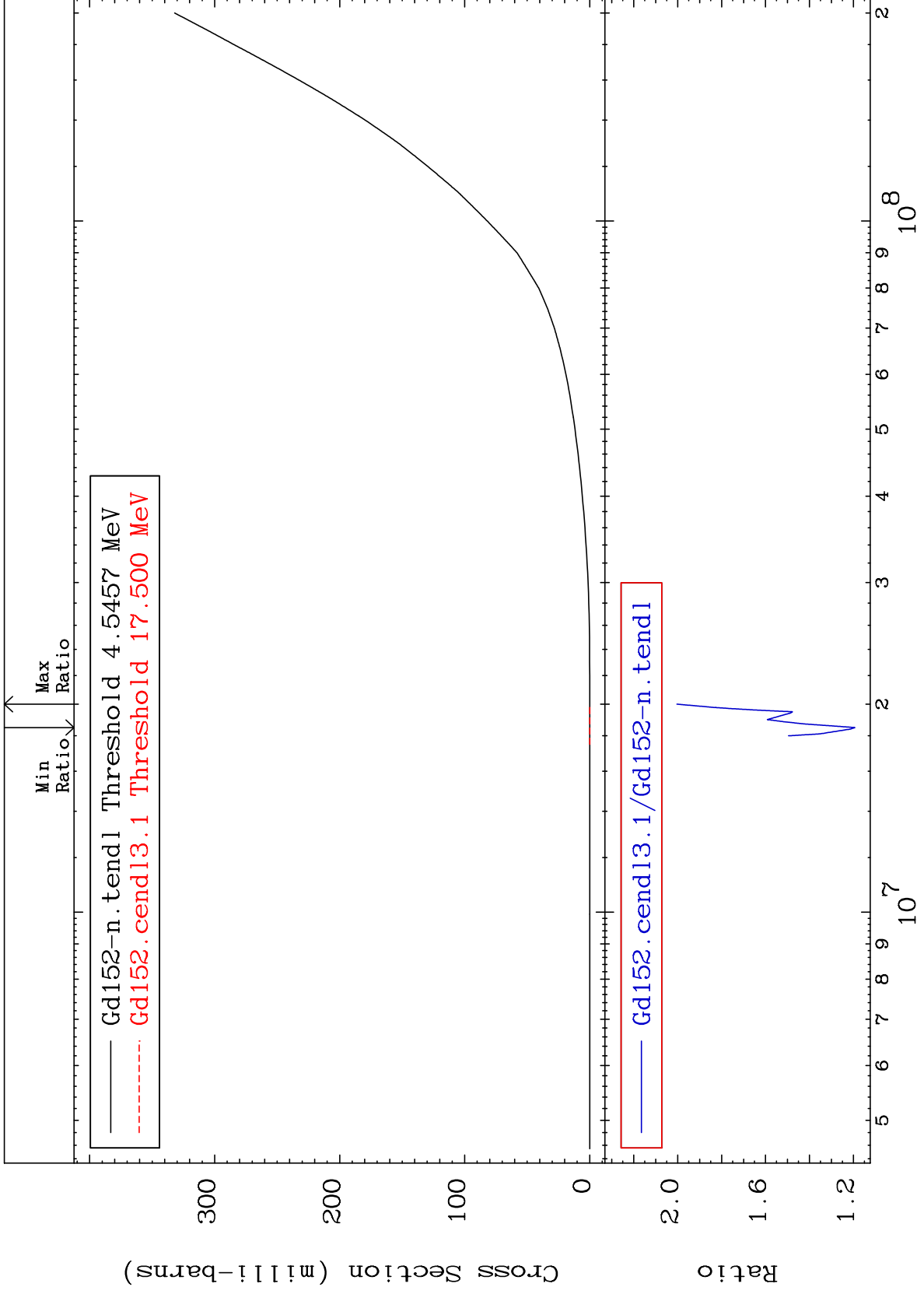
Incident Energy (eV)

64-Gd-152

MAT 6425

He-3 Production
Cross Section

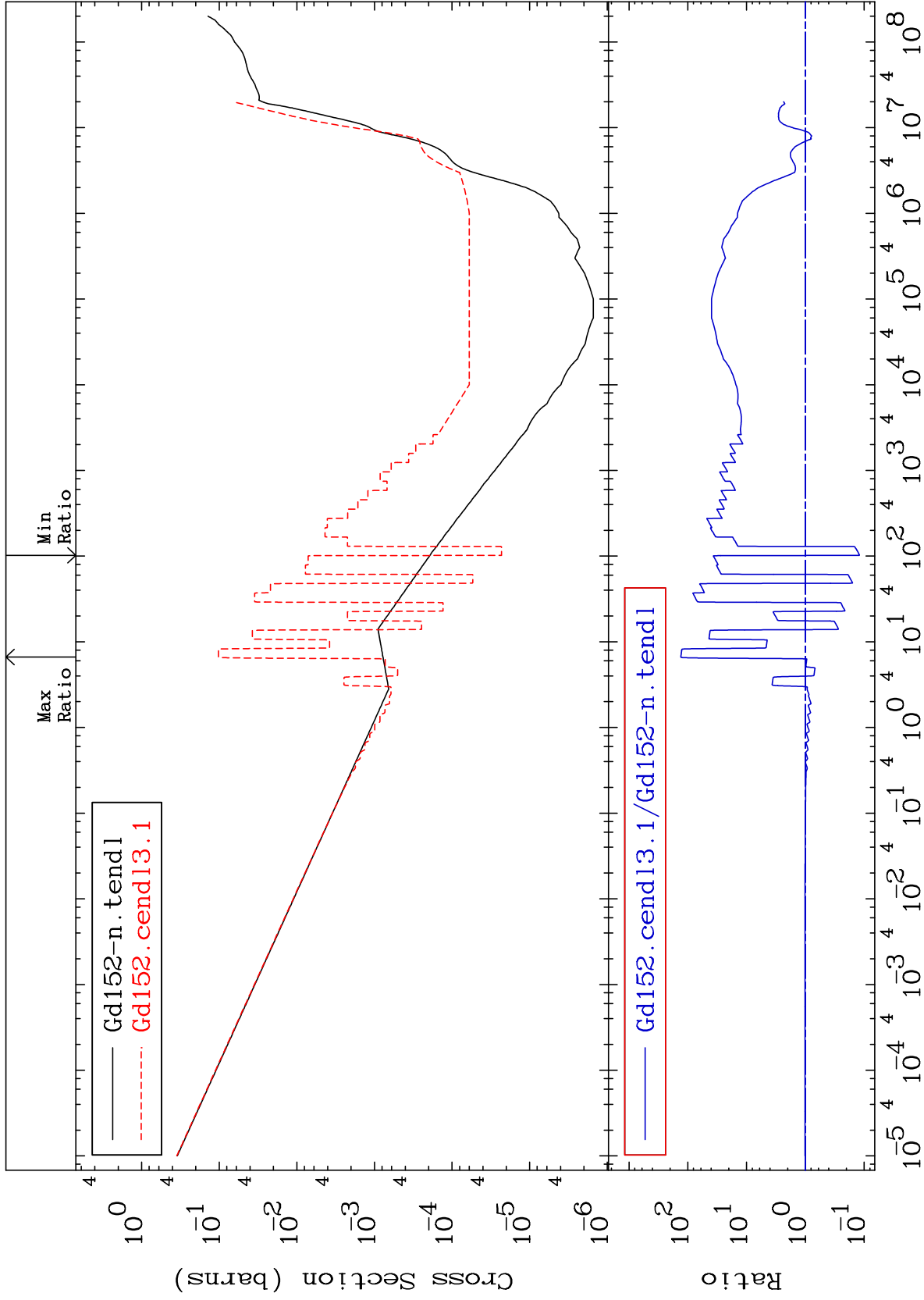
64-Gd-152
19.24 To 100.3 %



31

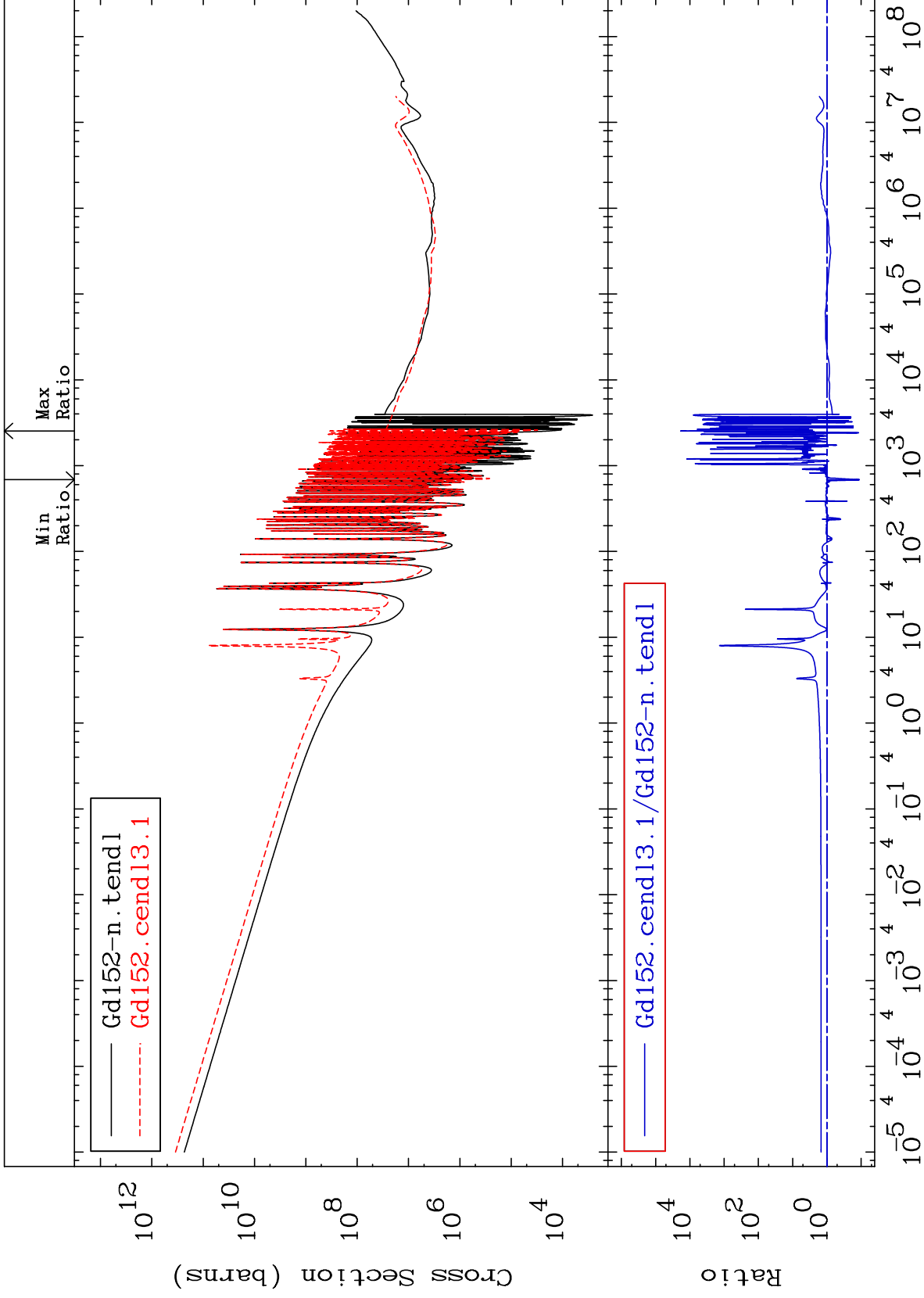
Incident Energy (eV)

64-Gd-152



Cross Section

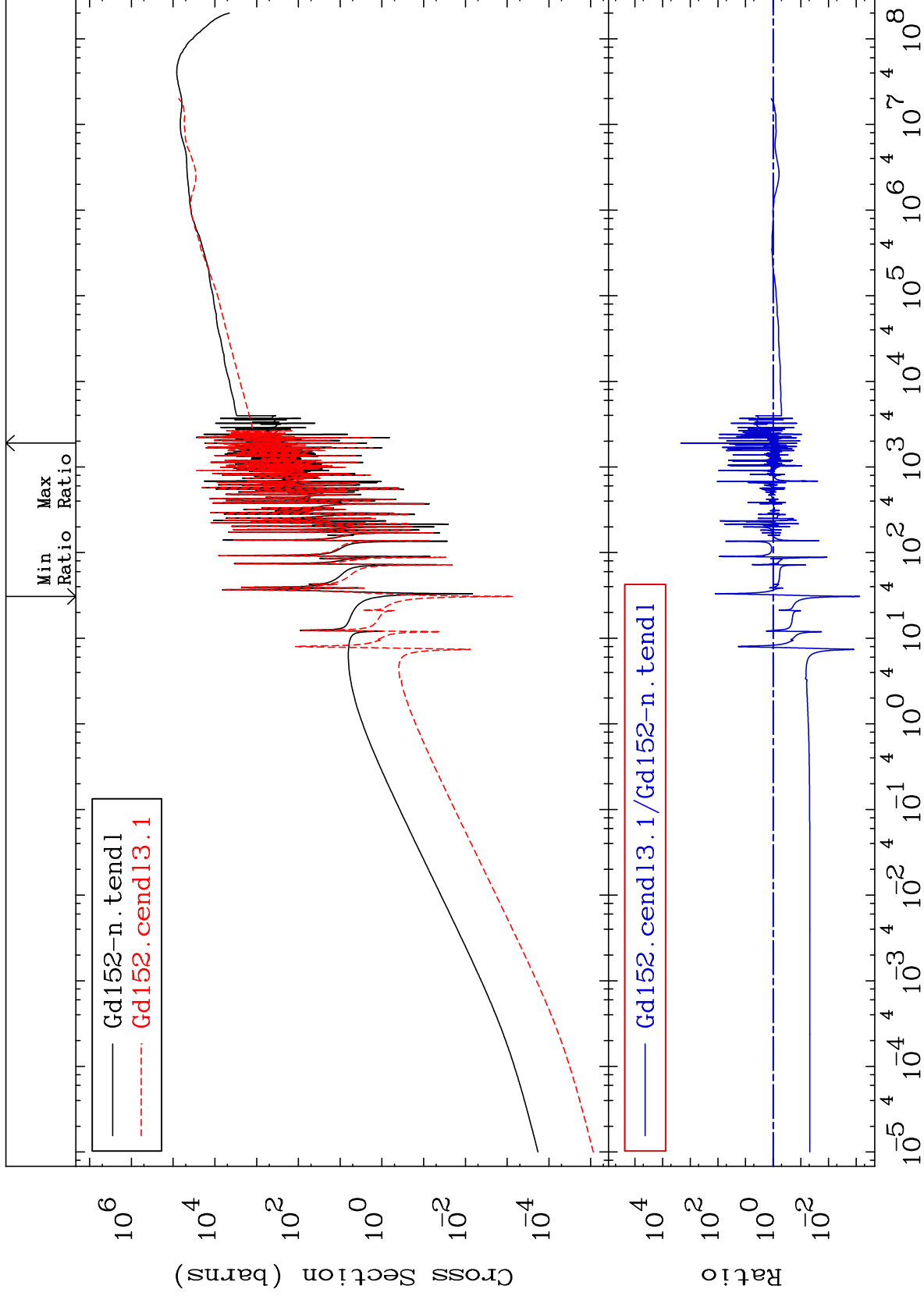
-88.78 To 9999. %



MAT 6425

Kerma elastic
Cross Section

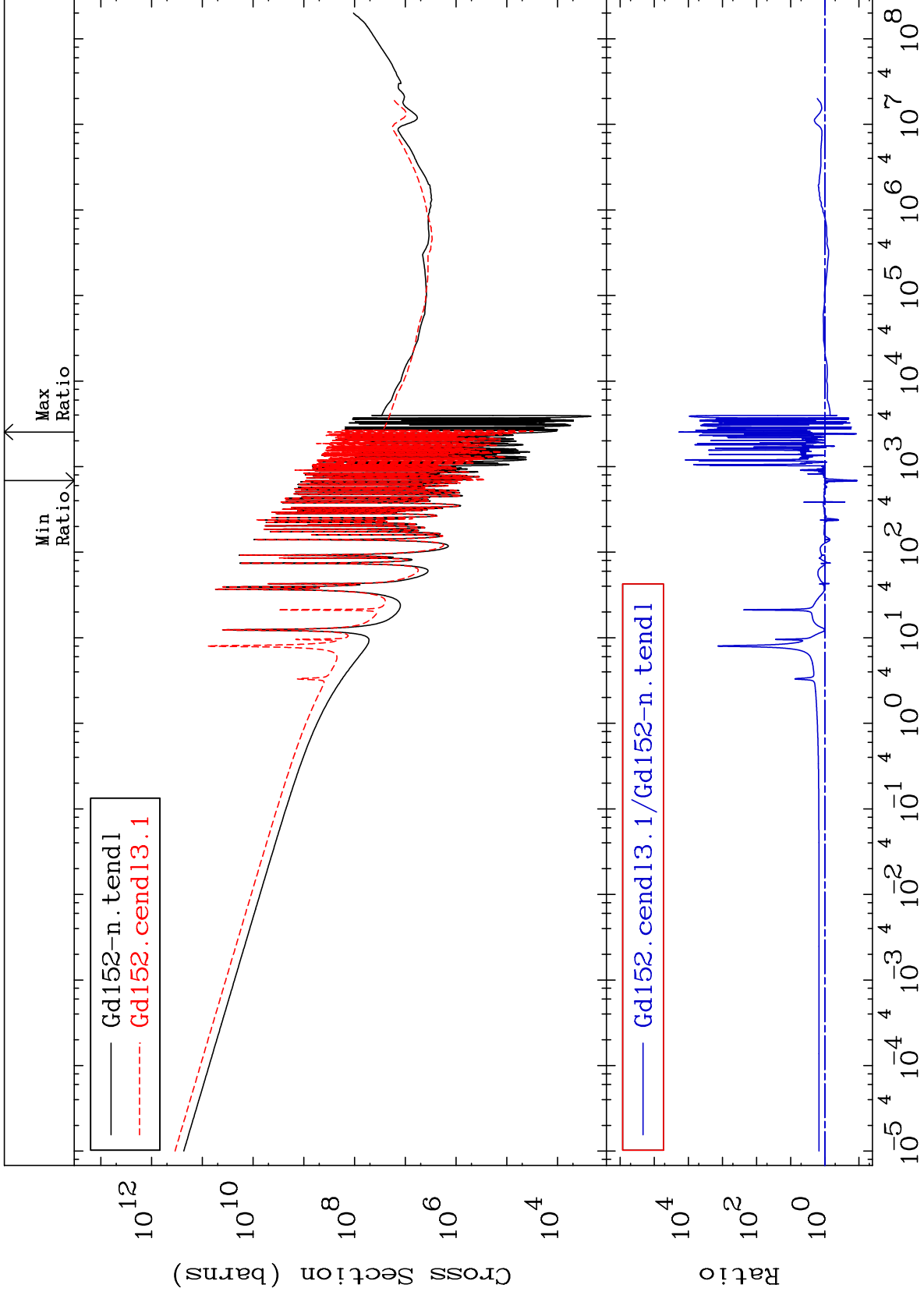
64-Gd-152
-99.92 To 9999. %



MAT 6425

Kerma non-elastic (all but mt2)
Cross Section

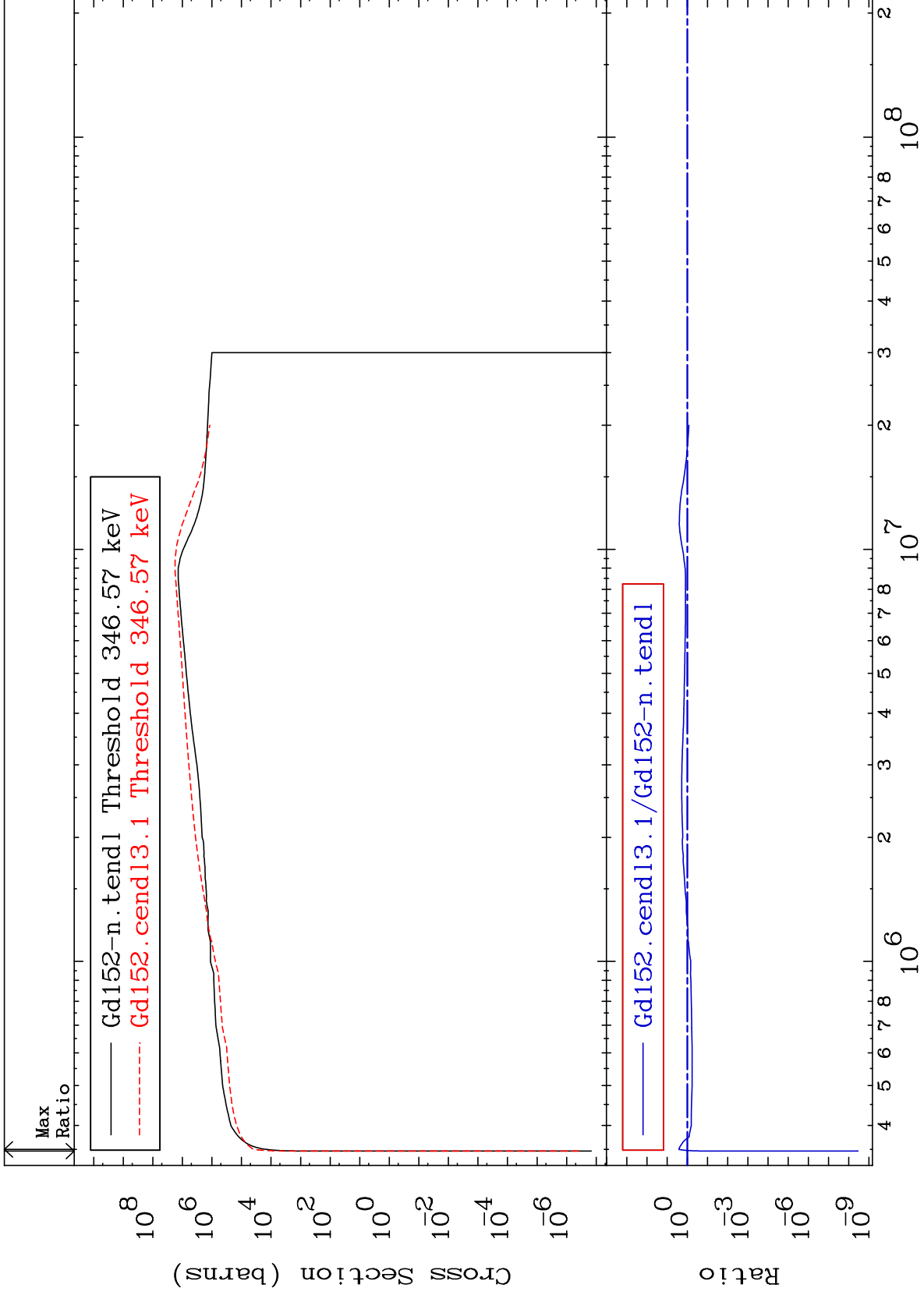
64-Gd-152
-88.78 To 9999. %



35

Incident Energy (eV)

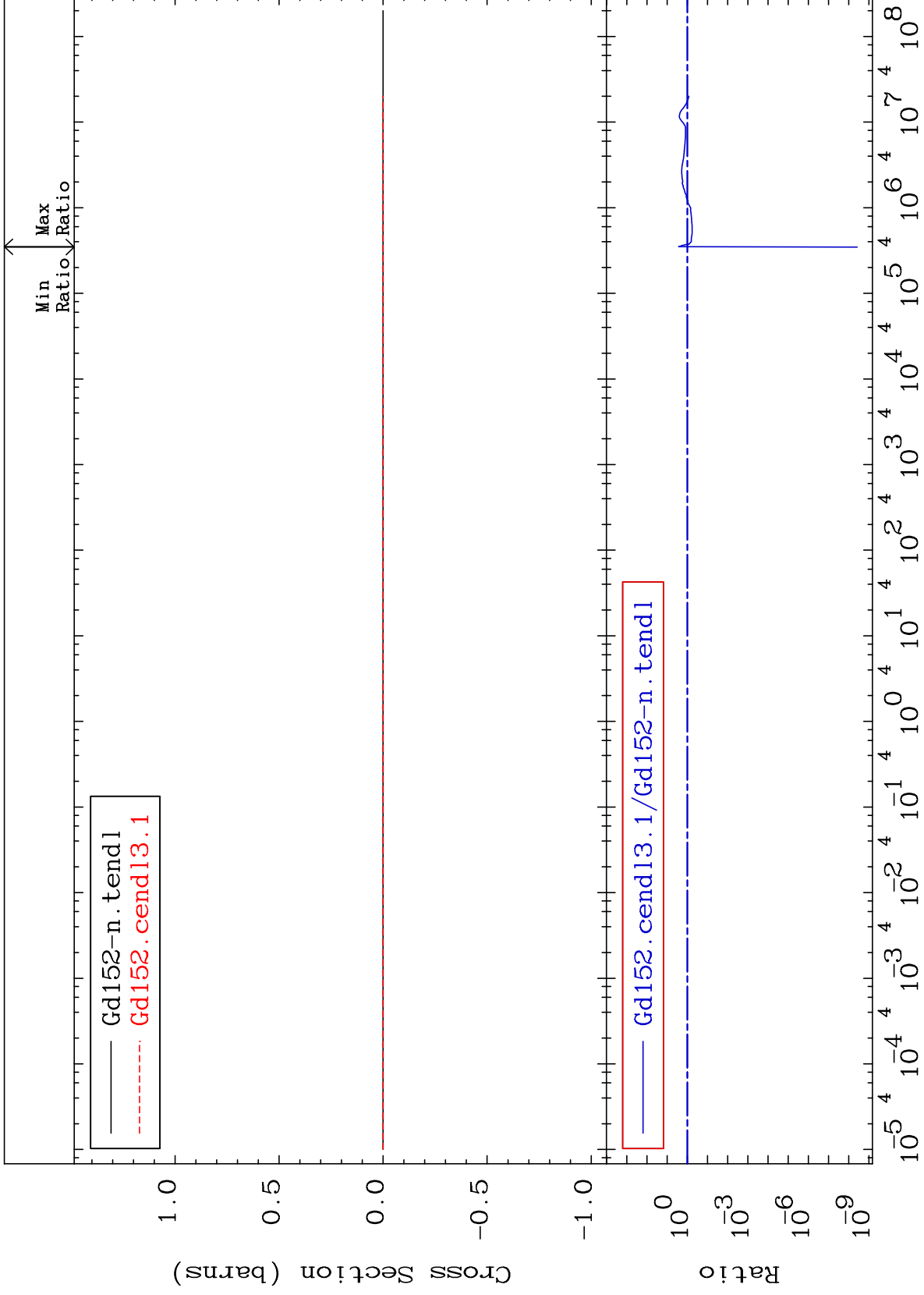
64-Gd-152



MAT 6425

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

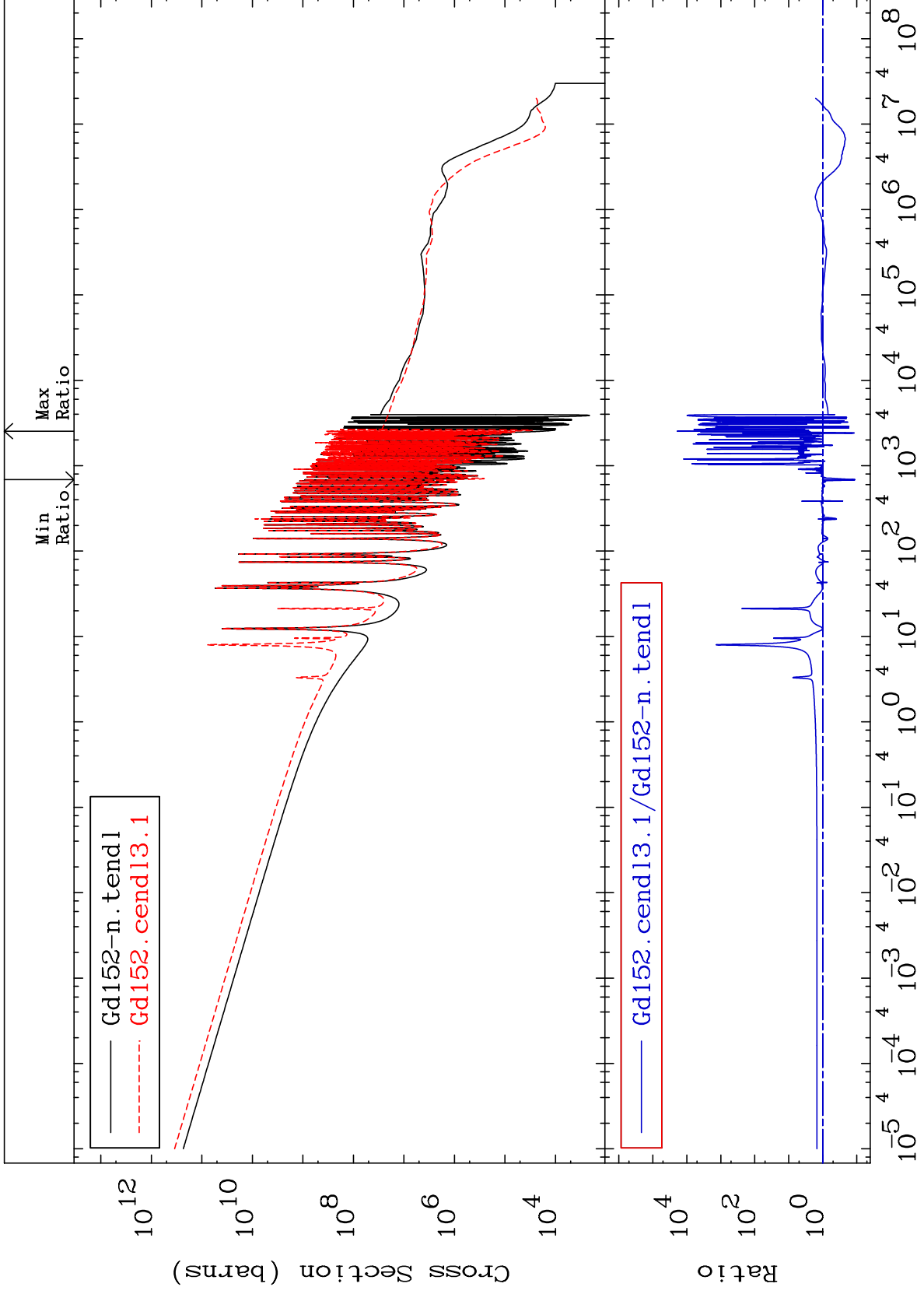
64-Gd-152
-100.0 To 170.7 %



MAT 6425

Kerma capture (mt102)
Cross Section

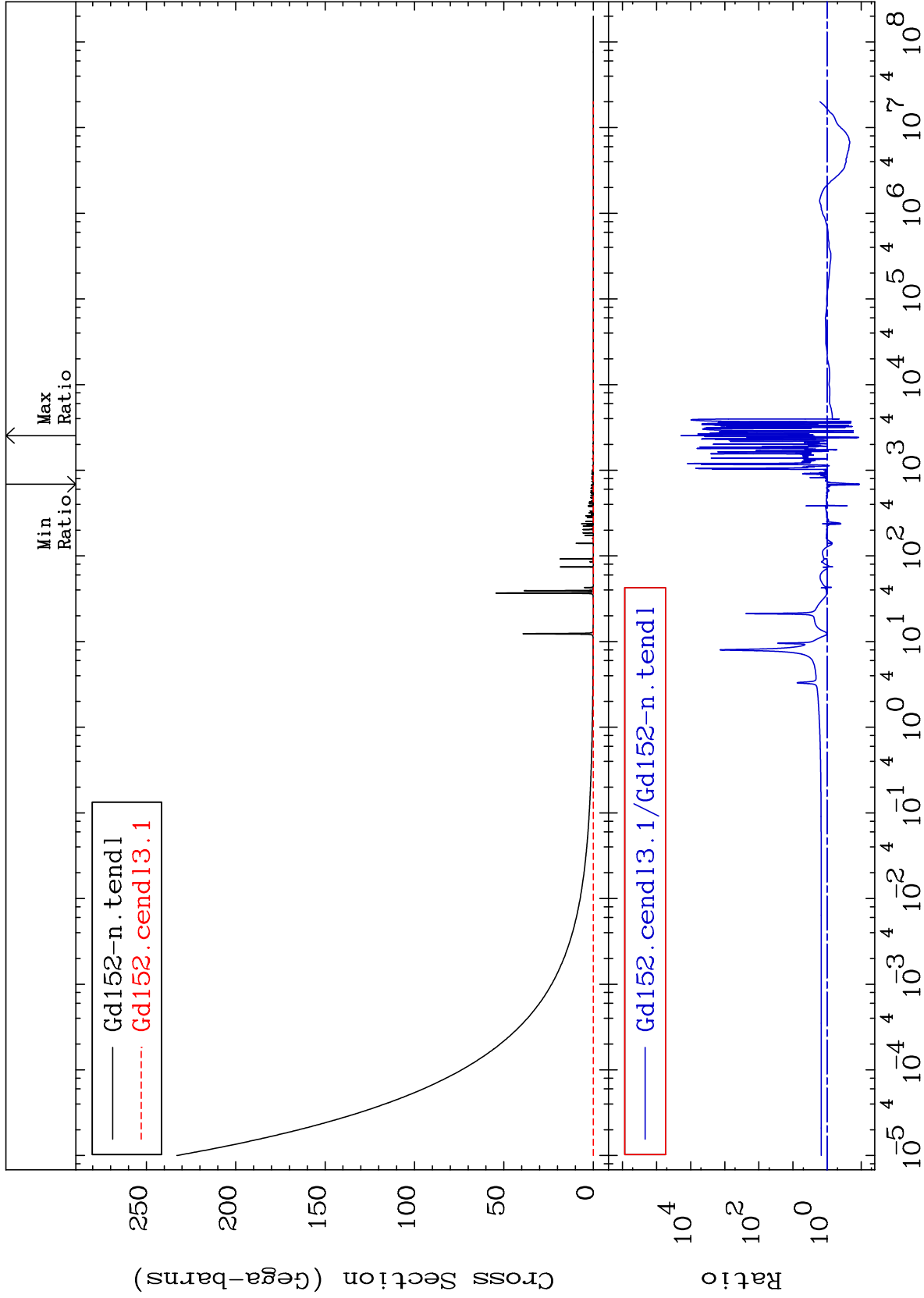
64-Gd-152
-88.80 To 9999. %



38

Incident Energy (eV)

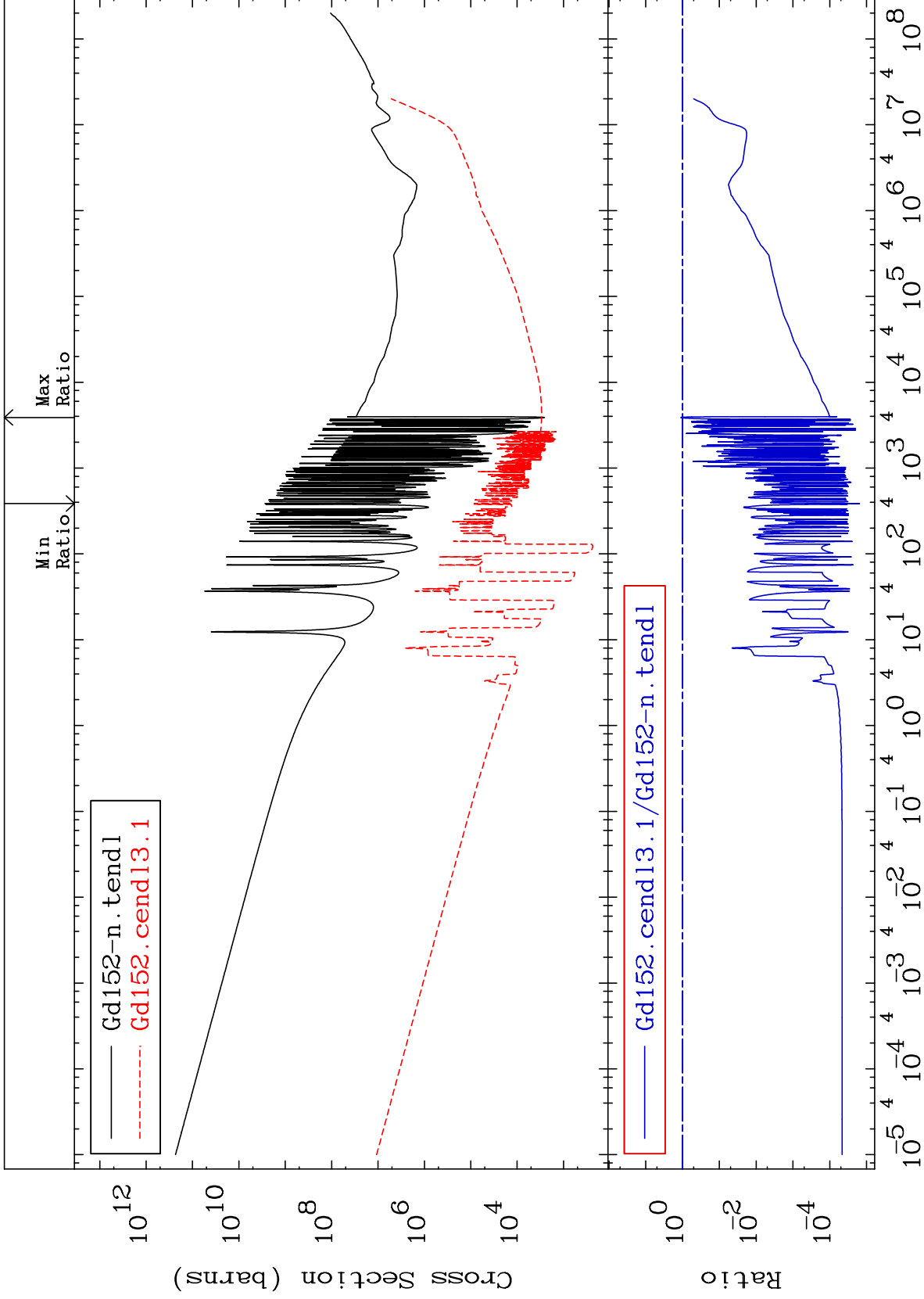
64-Gd-152



MAT 6425

Total kinematic kerma (high limit)
Cross Section

64-Gd-152
-100.0 To 15.07 %



40

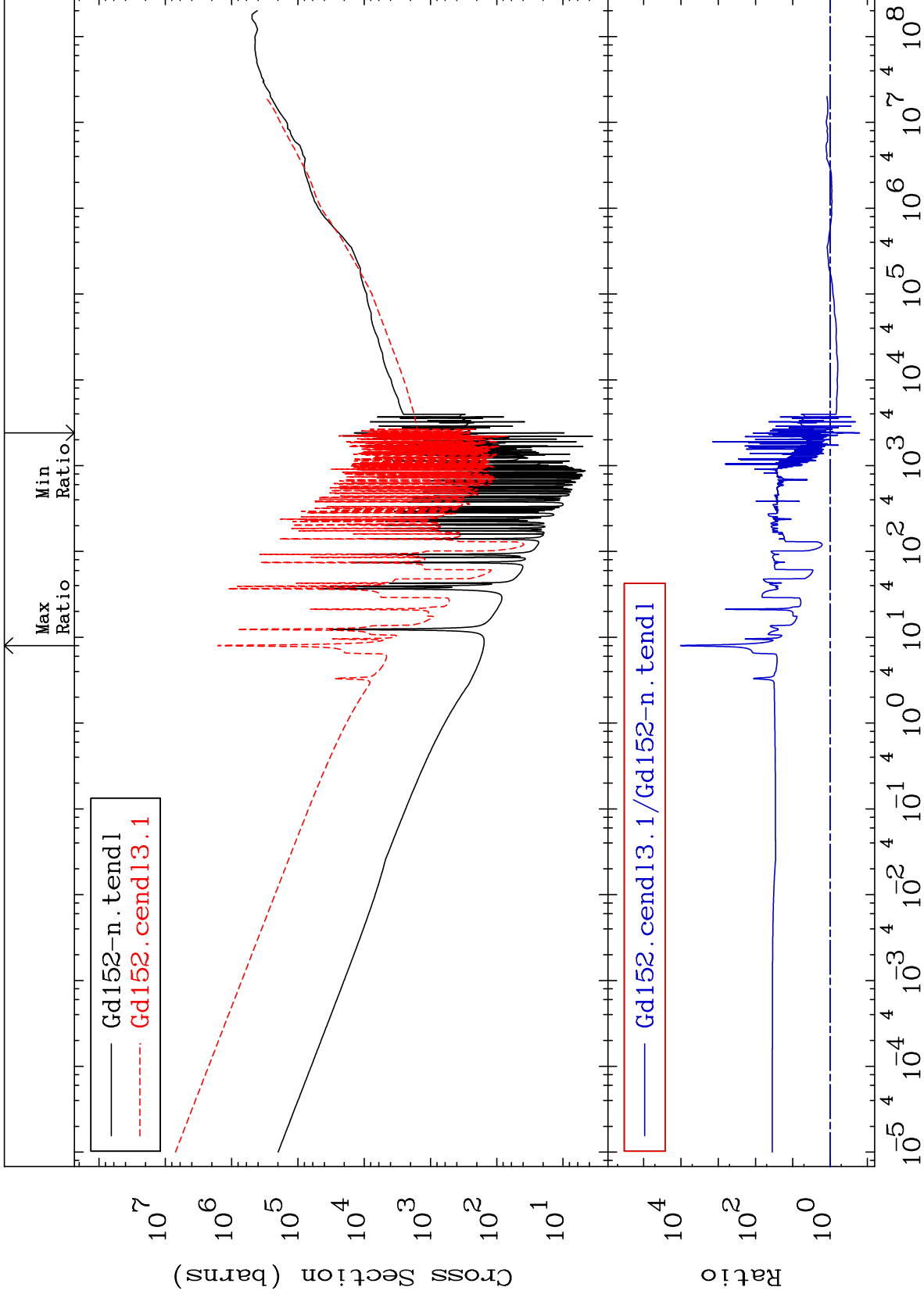
Incident Energy (eV)

64-Gd-152

MAT 6425

Dpa total (eV-barns)
Cross Section

64-Gd-152
-83.72 To 9999. %



41

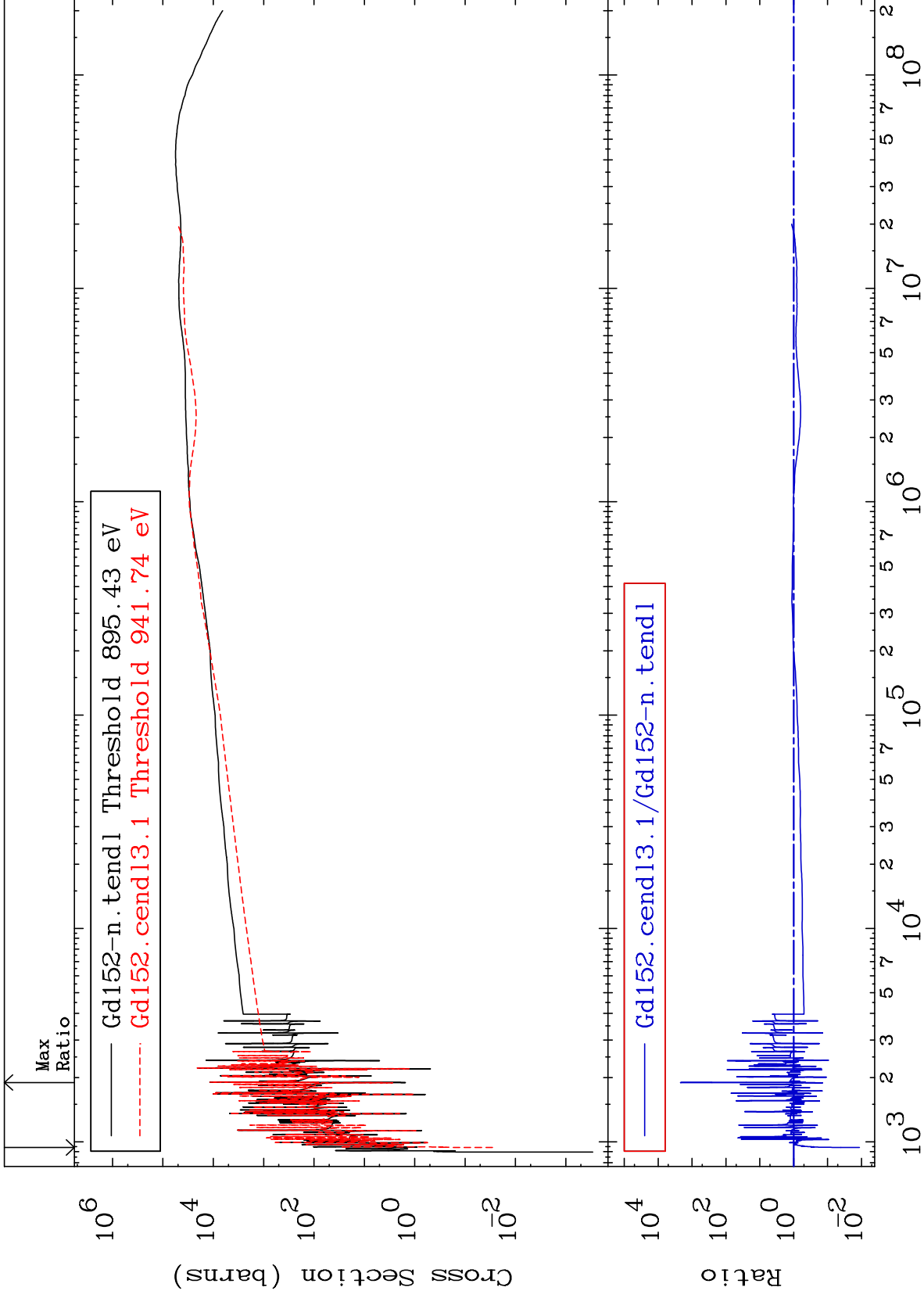
Incident Energy (eV)

64-Gd-152

MAT 6425

Dpa elastic (mt2)
Cross Section

64-Gd-152
-98.85 To 9999. %



42

Incident Energy (eV)

64-Gd-152

MAT 6425

Dpa inelastic (mt51-91)
Cross Section

64-Gd-152
-100.0 To 170.8 %

