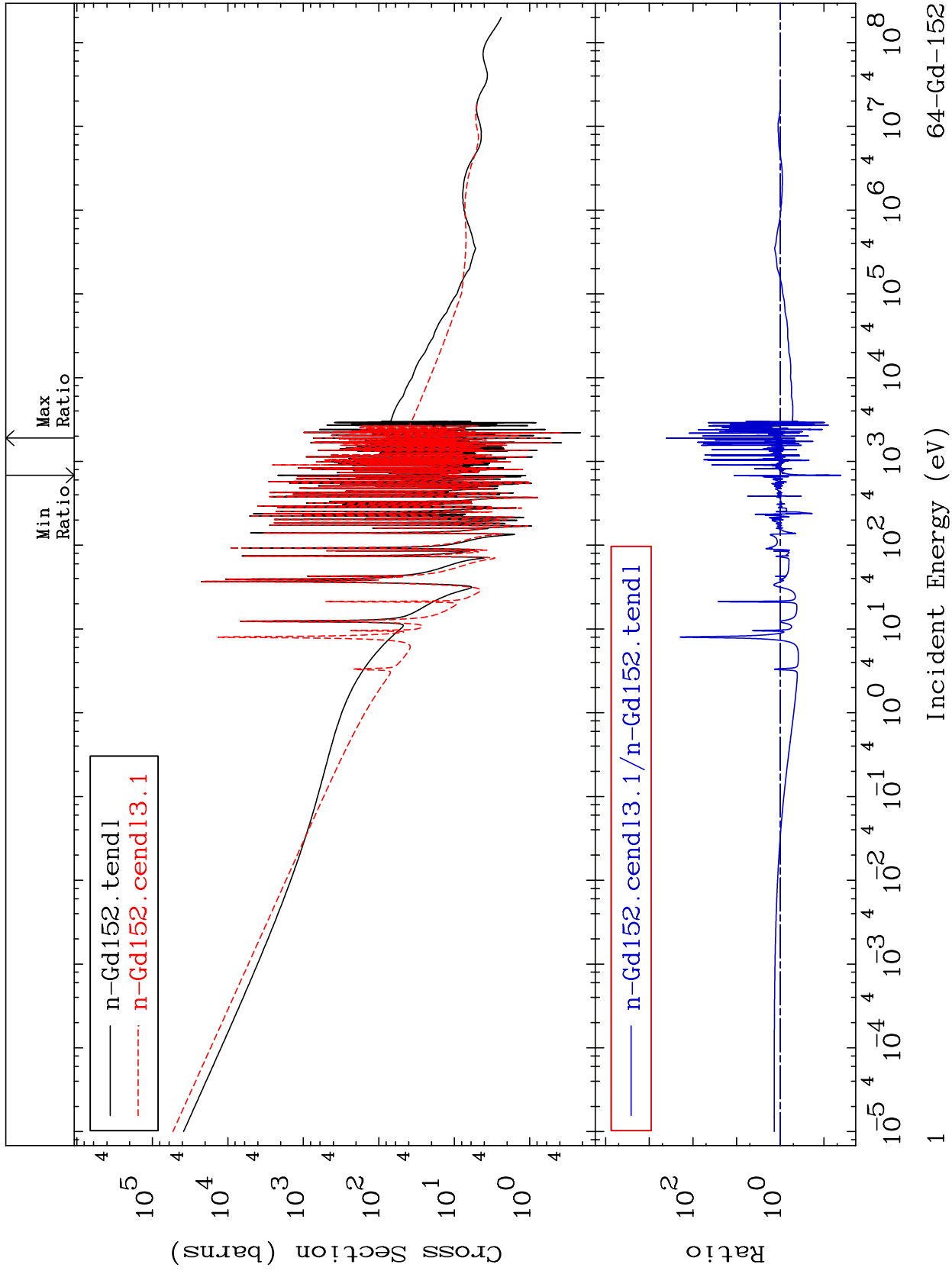


MAT 6425

Total
Cross Section

64-Gd-152
-95.89 To 9999. %



64-Gd-152

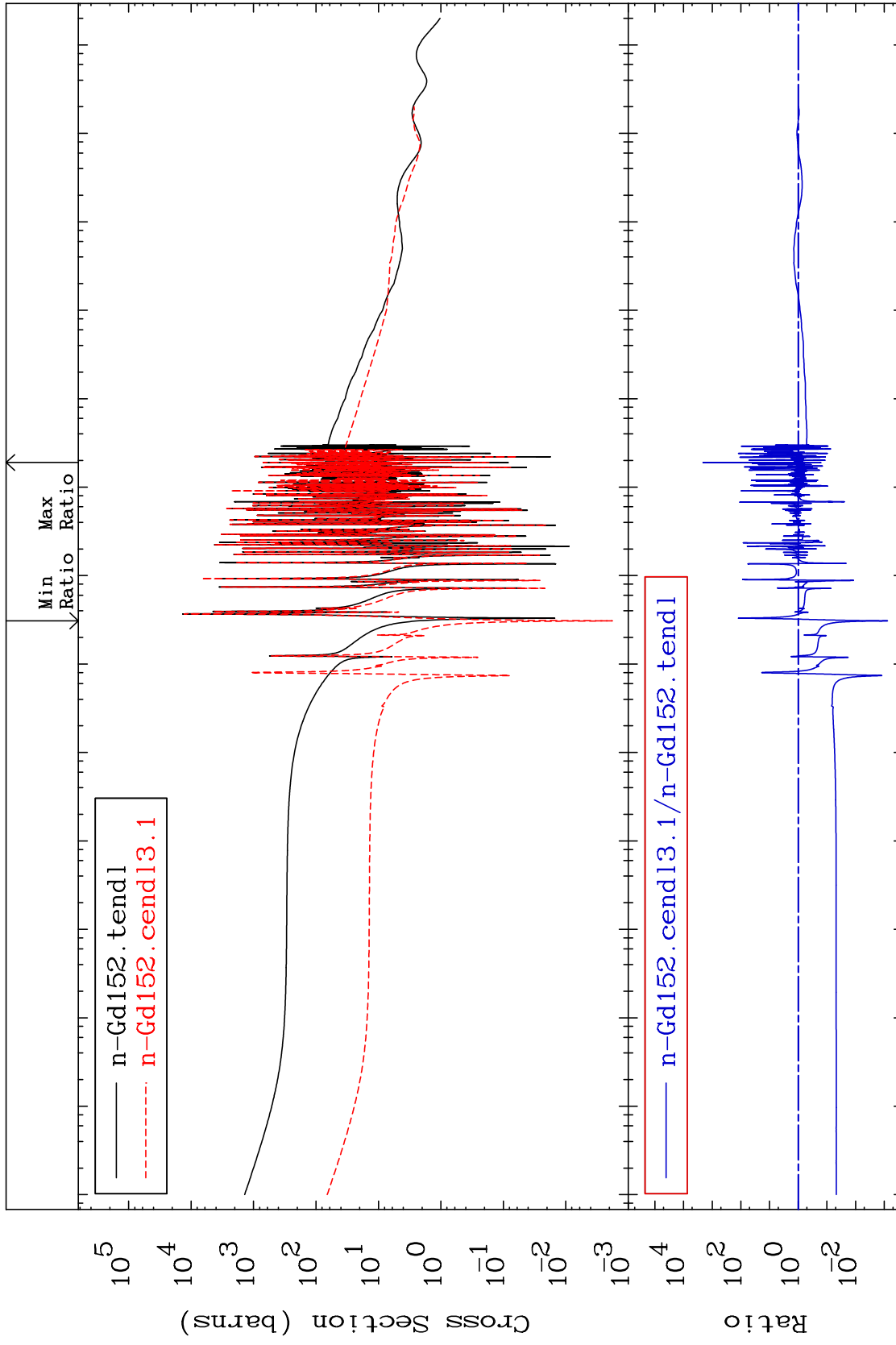
MAT 6425

Elastic

64-Gd-152

Cross Section

-99.92 To 9999. %



Incident Energy (eV)

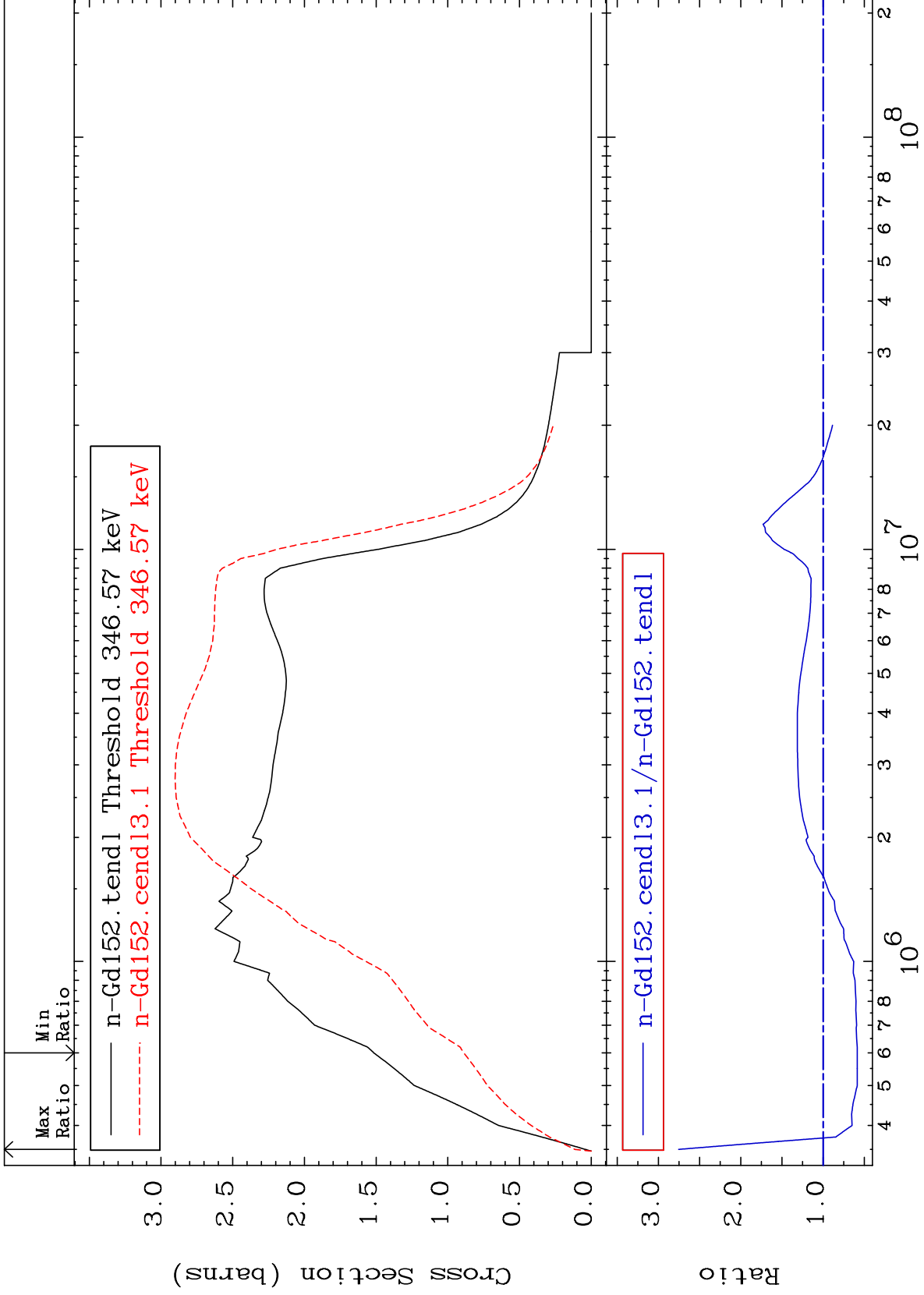
64-Gd-152

2

MAT 6425

Inelastic
Cross Section

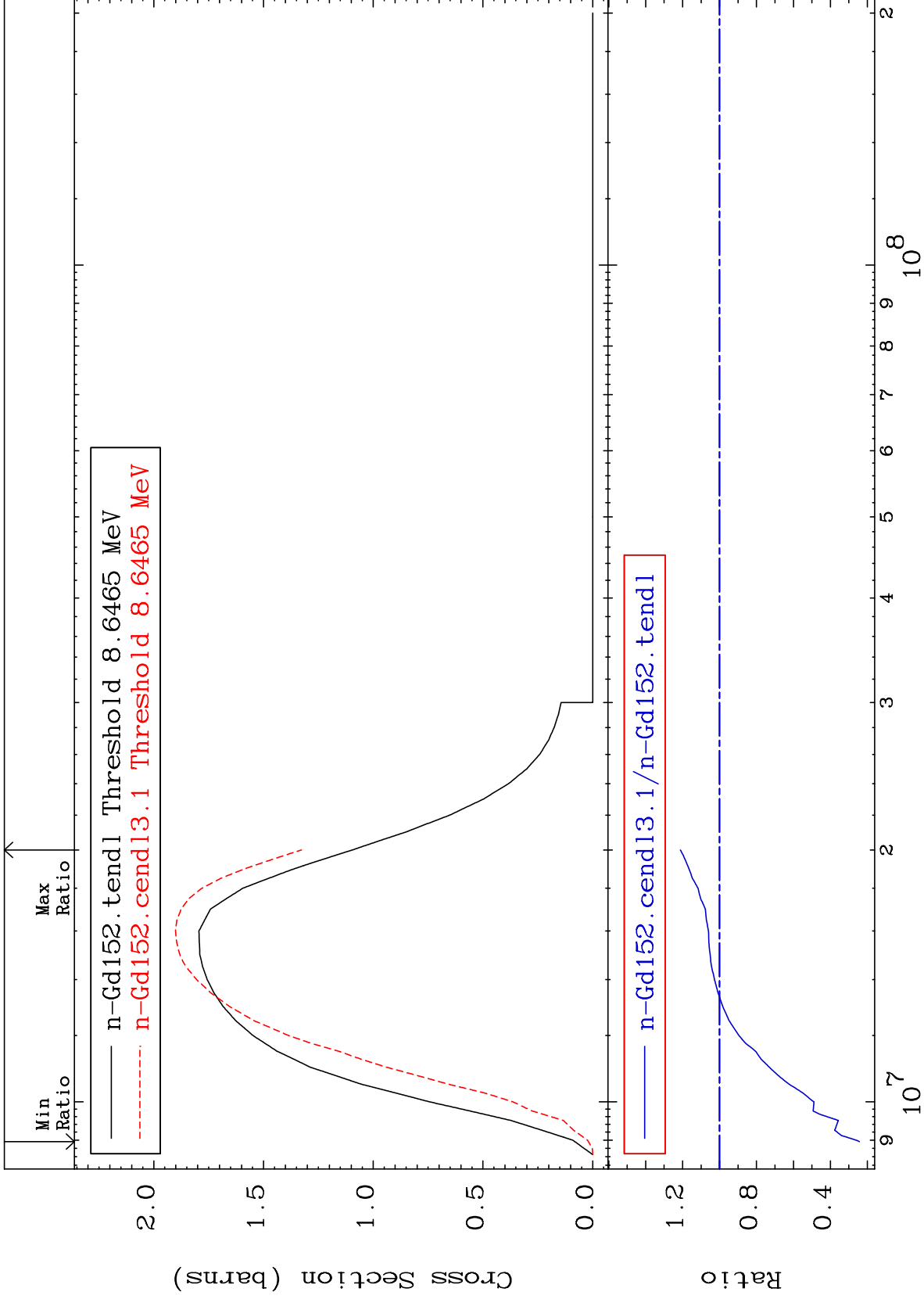
64-Gd-152
-41.38 To 175.5 %



MAT 6425

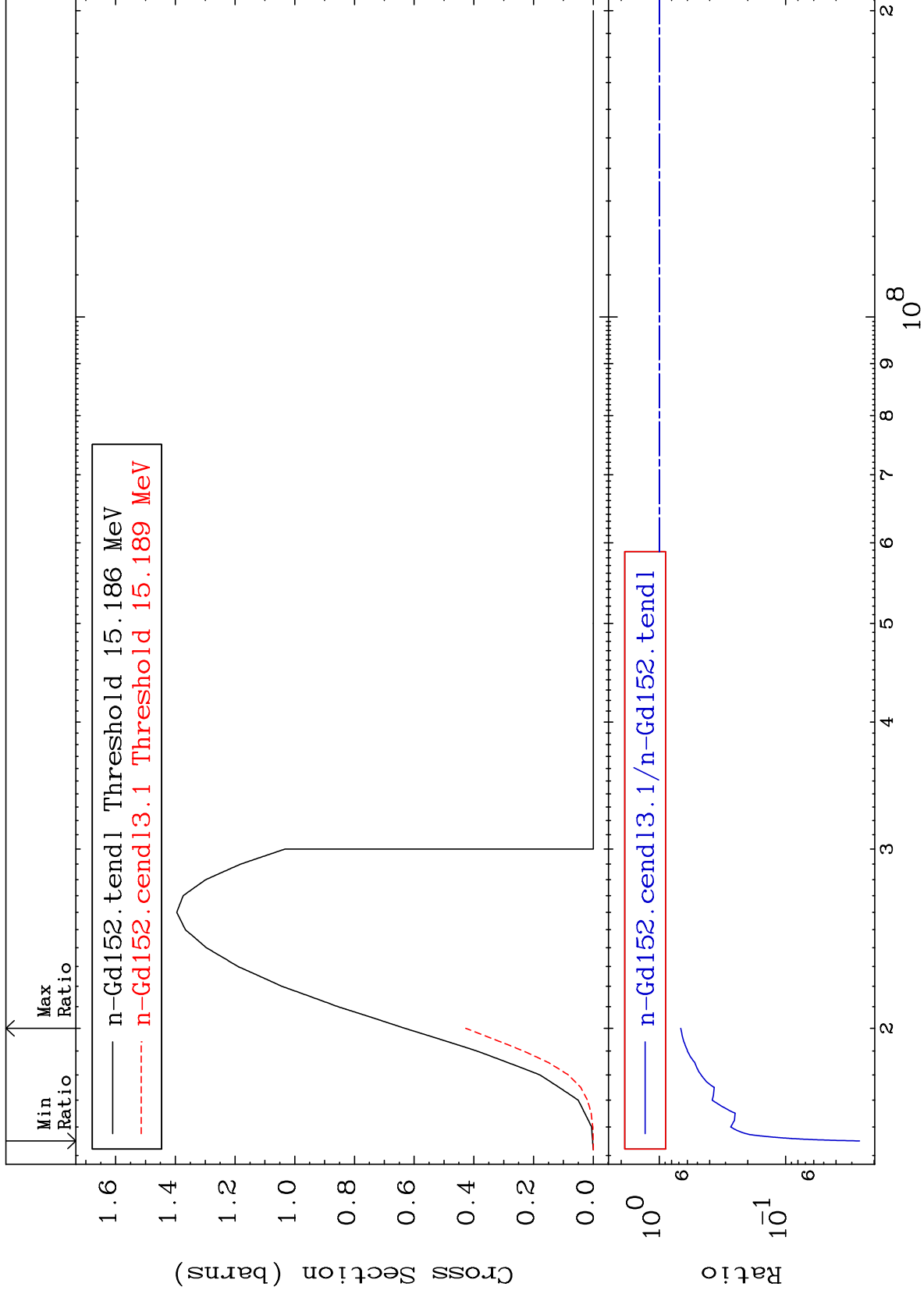
(n,2n)
Cross Section

64-Gd-152
-75.73 To 21.22 %



Cross Section

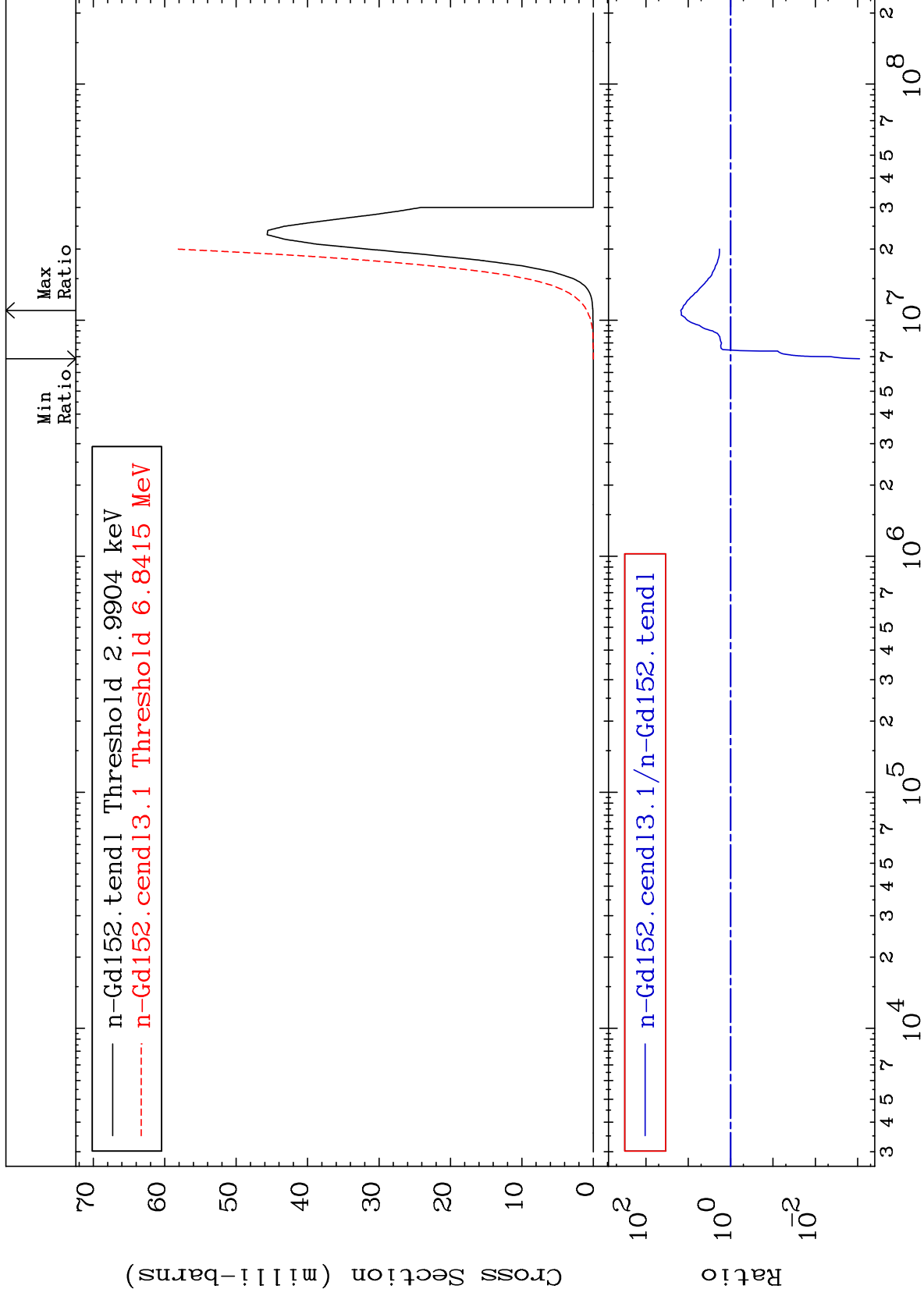
-97.39 To -32.34%



MAT 6425

(n, n') α
Cross Section

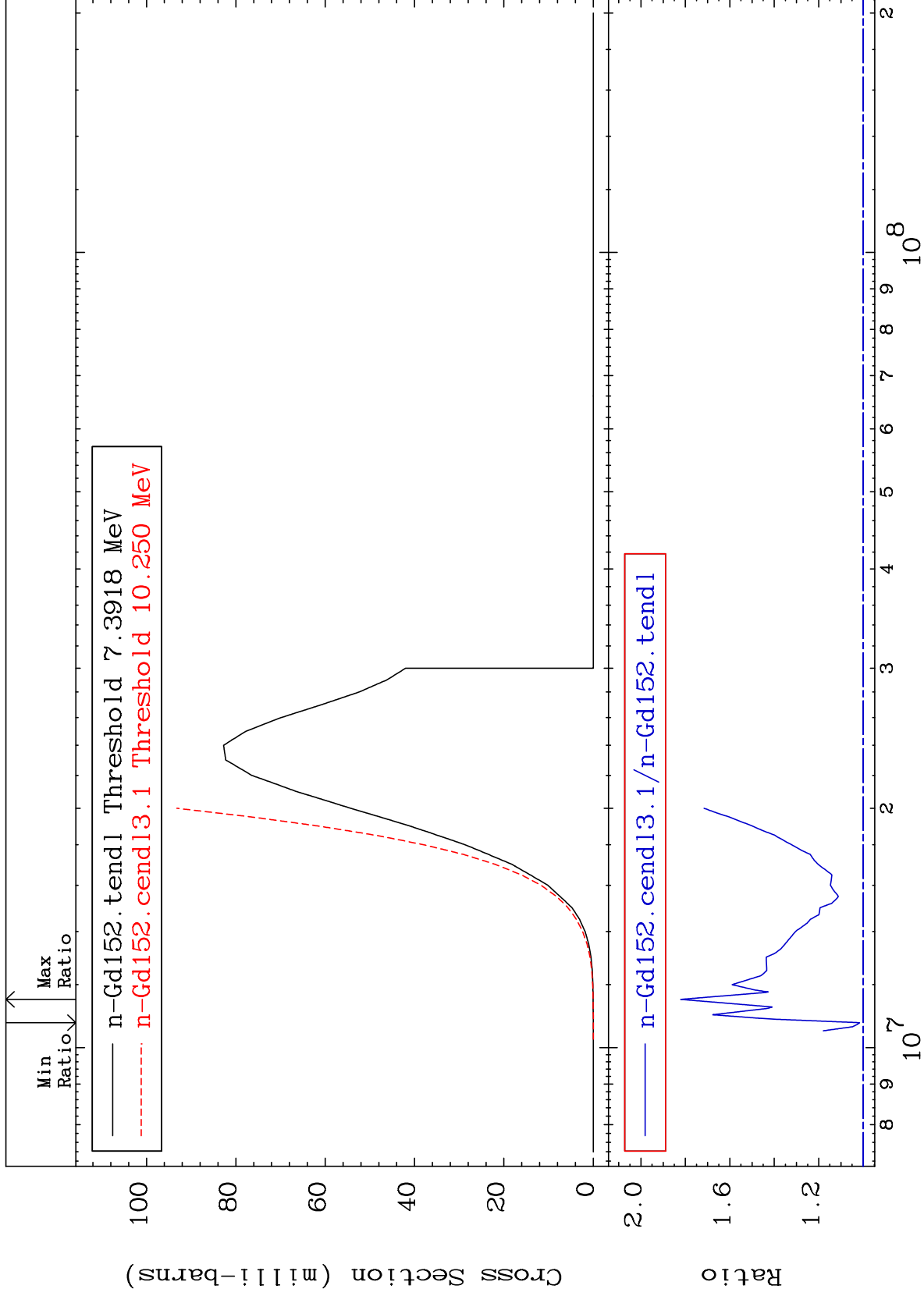
64-Gd-152
-99.91 To 1406. %



MAT 6425

(n,n') p
Cross Section

64-Gd-152
1.638 To 82.08 %



7

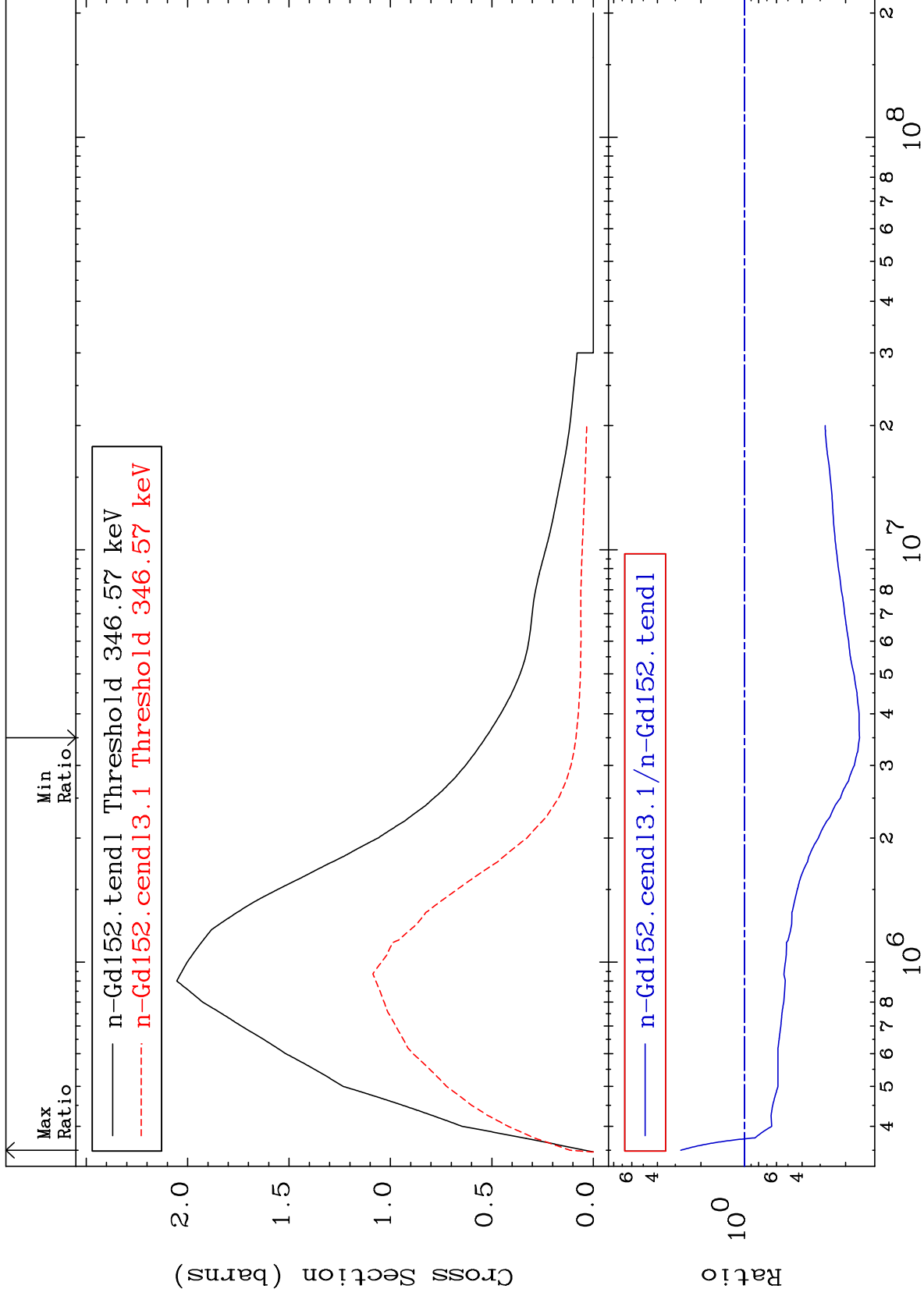
64-Gd-152

64-Gd-152

MAT 6425

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

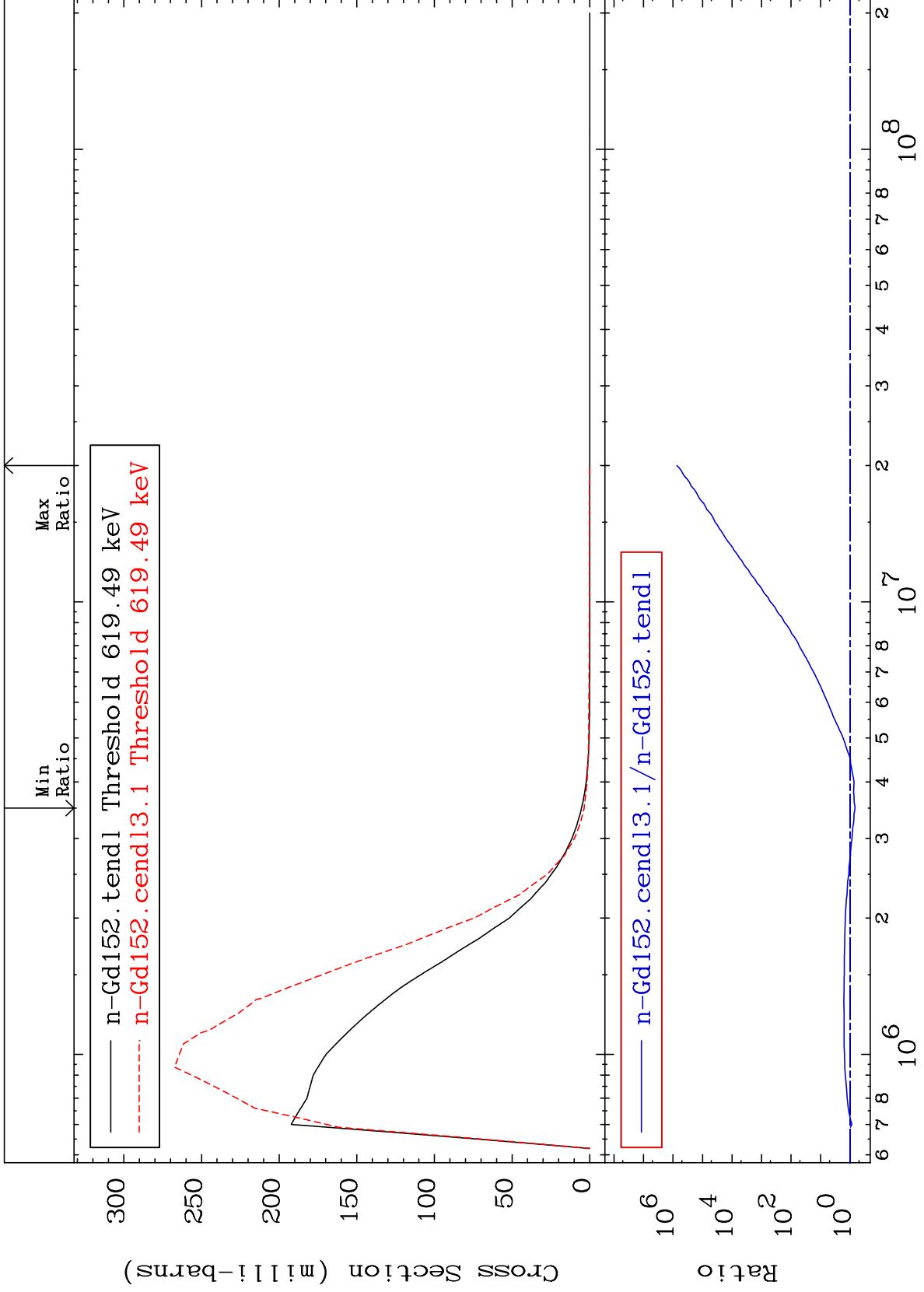
64-Gd-152
-83.98 To 175.5 %



MAT 6425

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

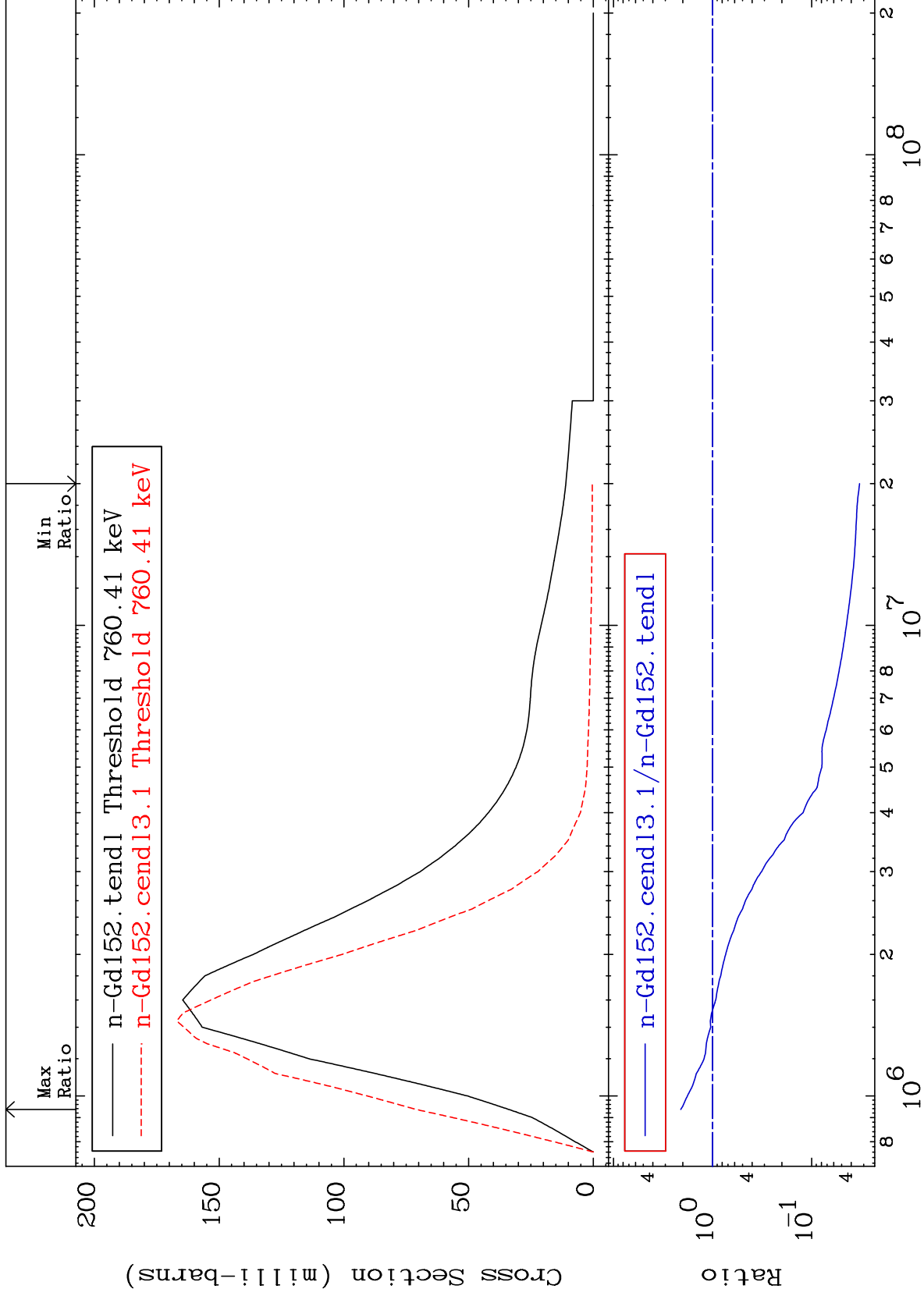
64-Gd-152
-32.24 To 9999. %



MAT 6425

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

64-Gd-152
-96.70 To 109.5 %



10

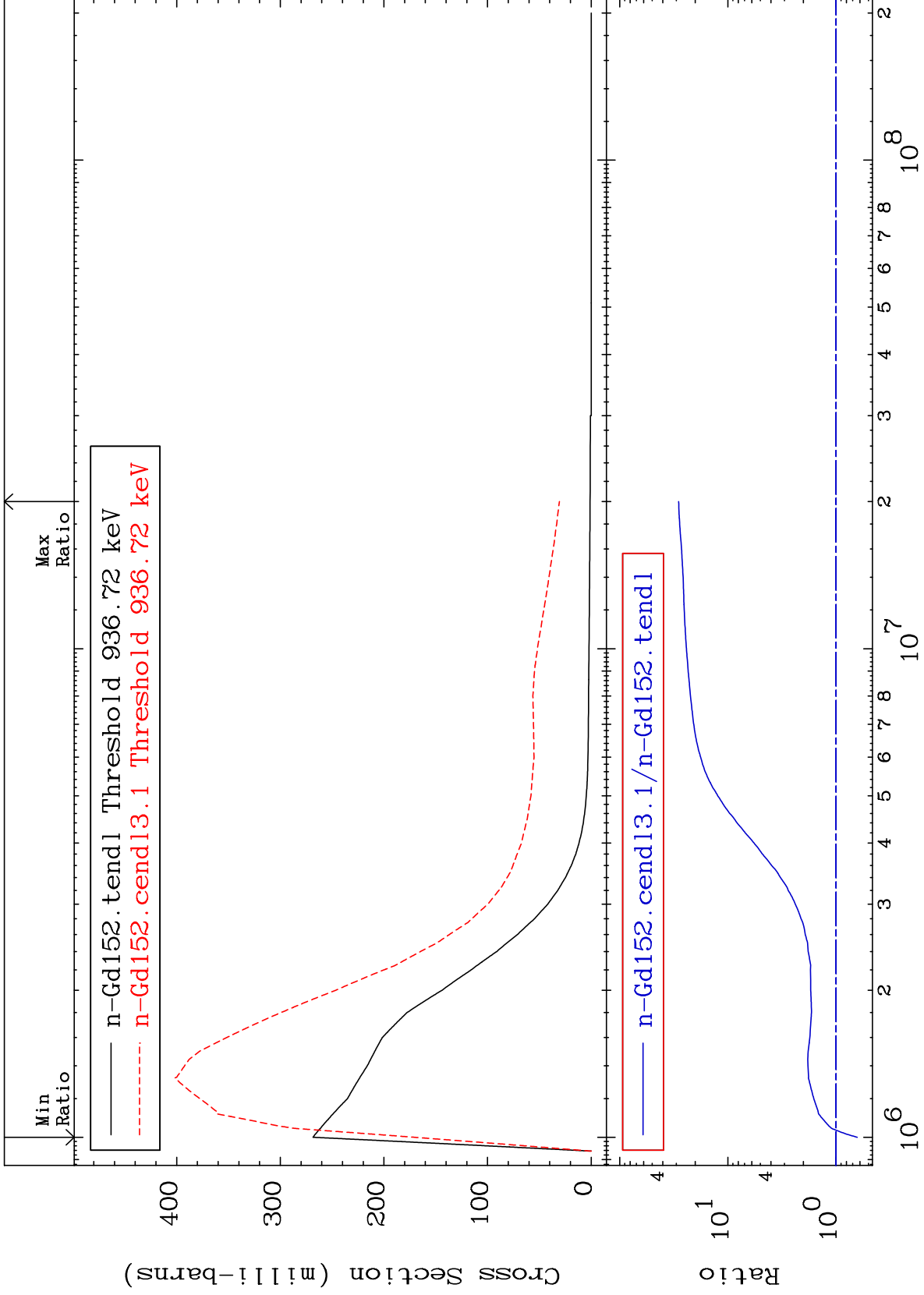
Incident Energy (eV)

64-Gd-152

MAT 6425

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

64-Gd-152
-36.39 To 2752. %



11

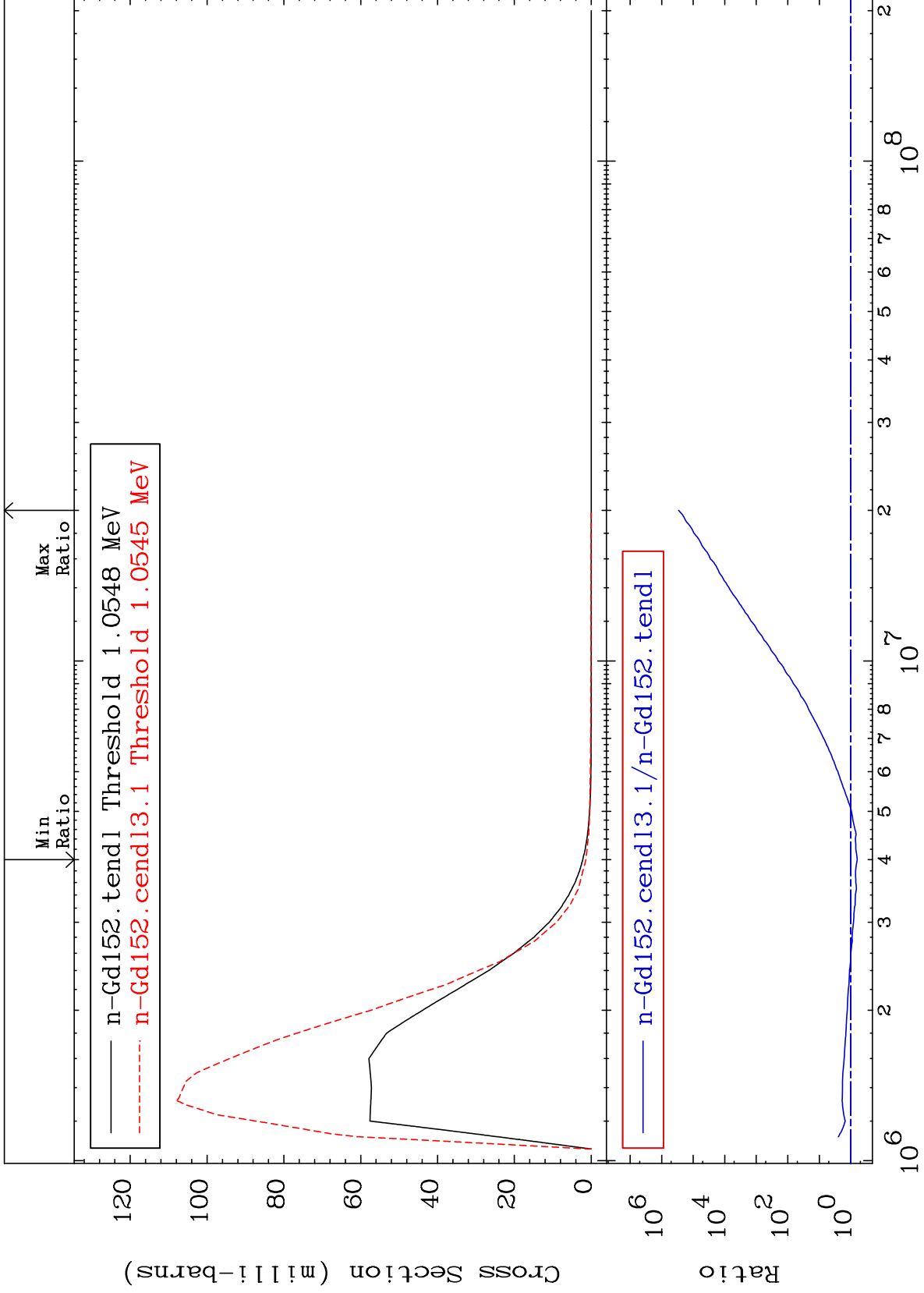
Incident Energy (eV)

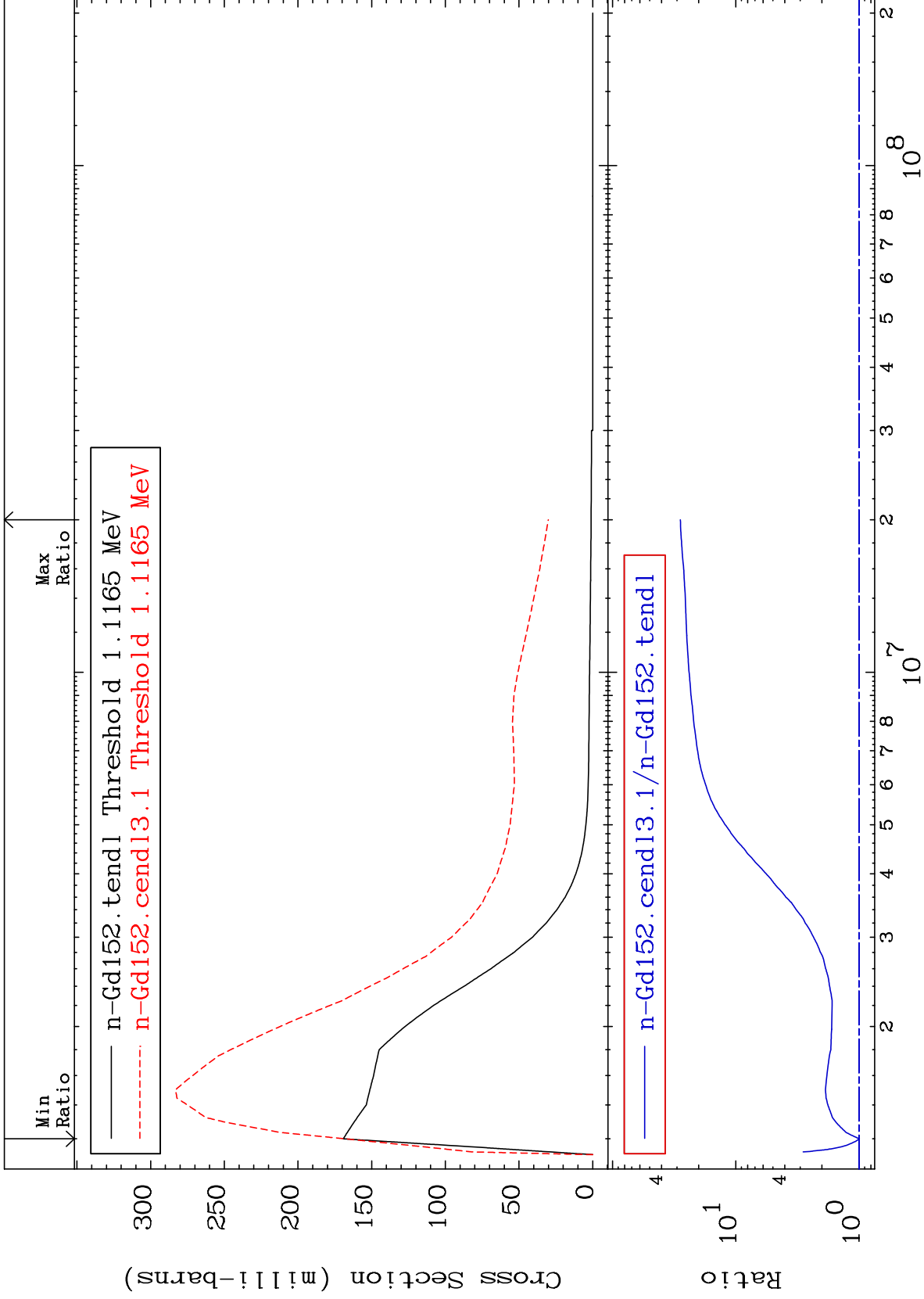
64-Gd-152

MAT 6425

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

64-Gd-152
-37.29 To 9999. %

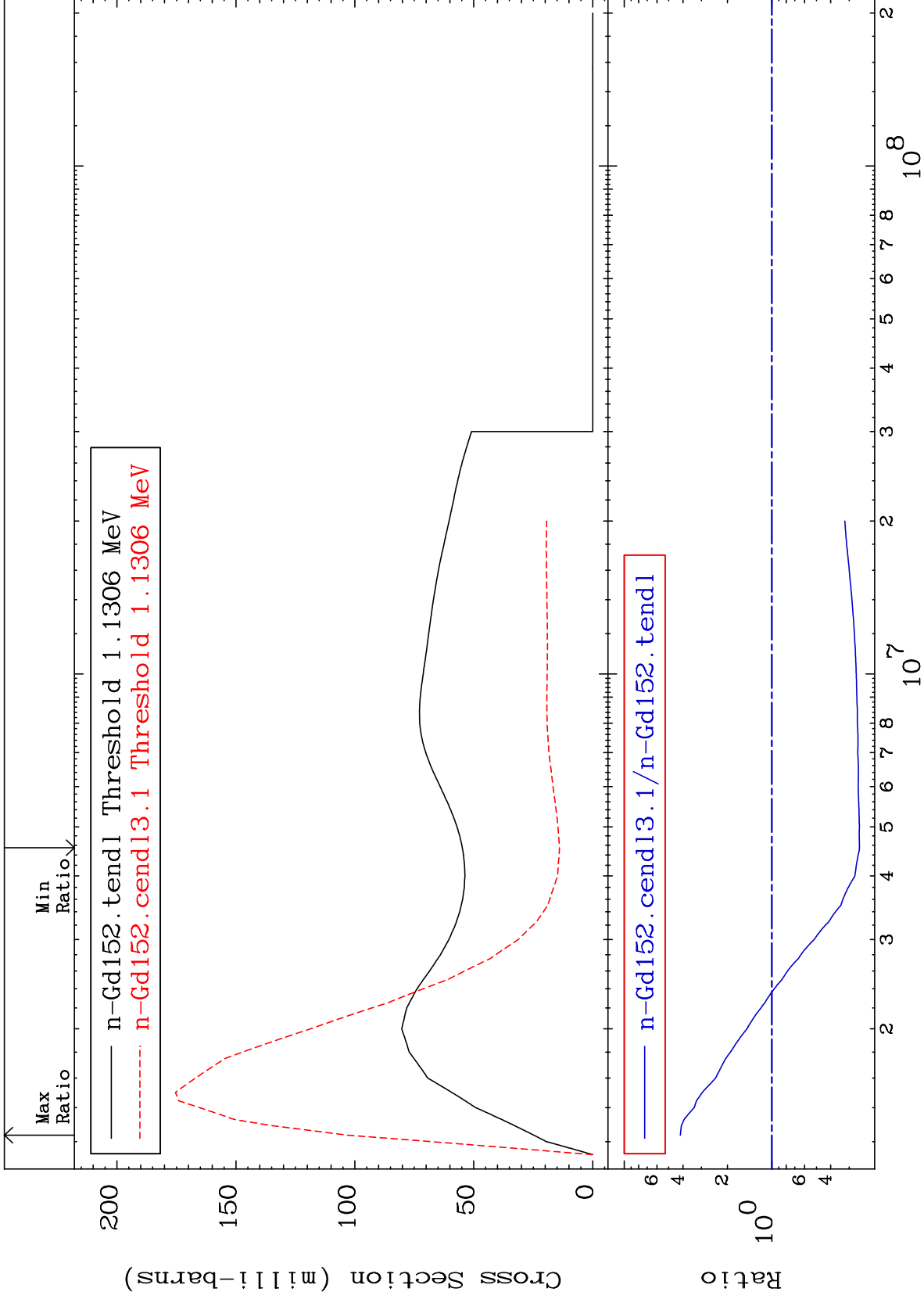




MAT 6425

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

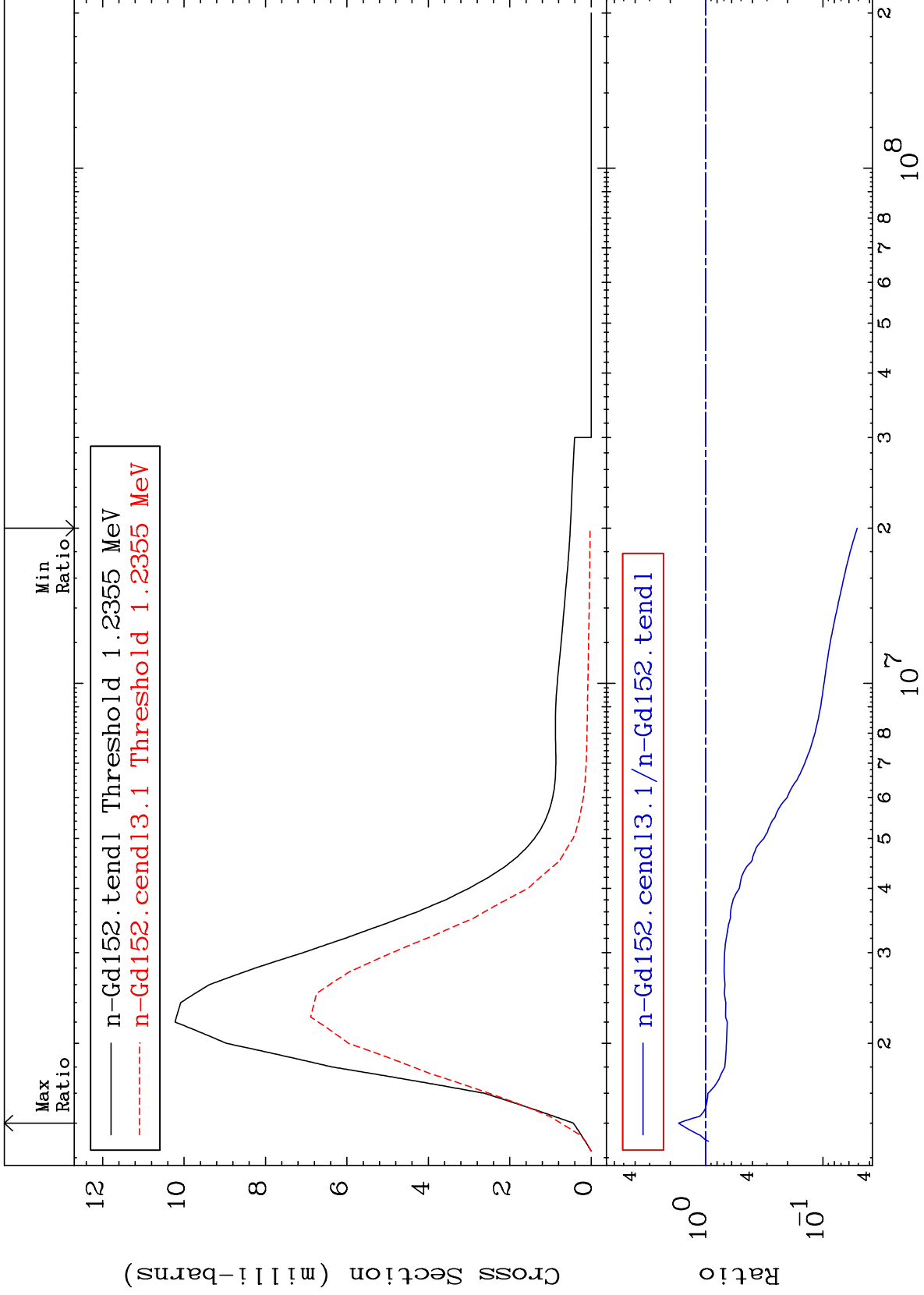
64-Gd-152
-74.45 To 317.0 %



MAT 6425

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

64-Gd-152
-94.90 To 70.01 %



15

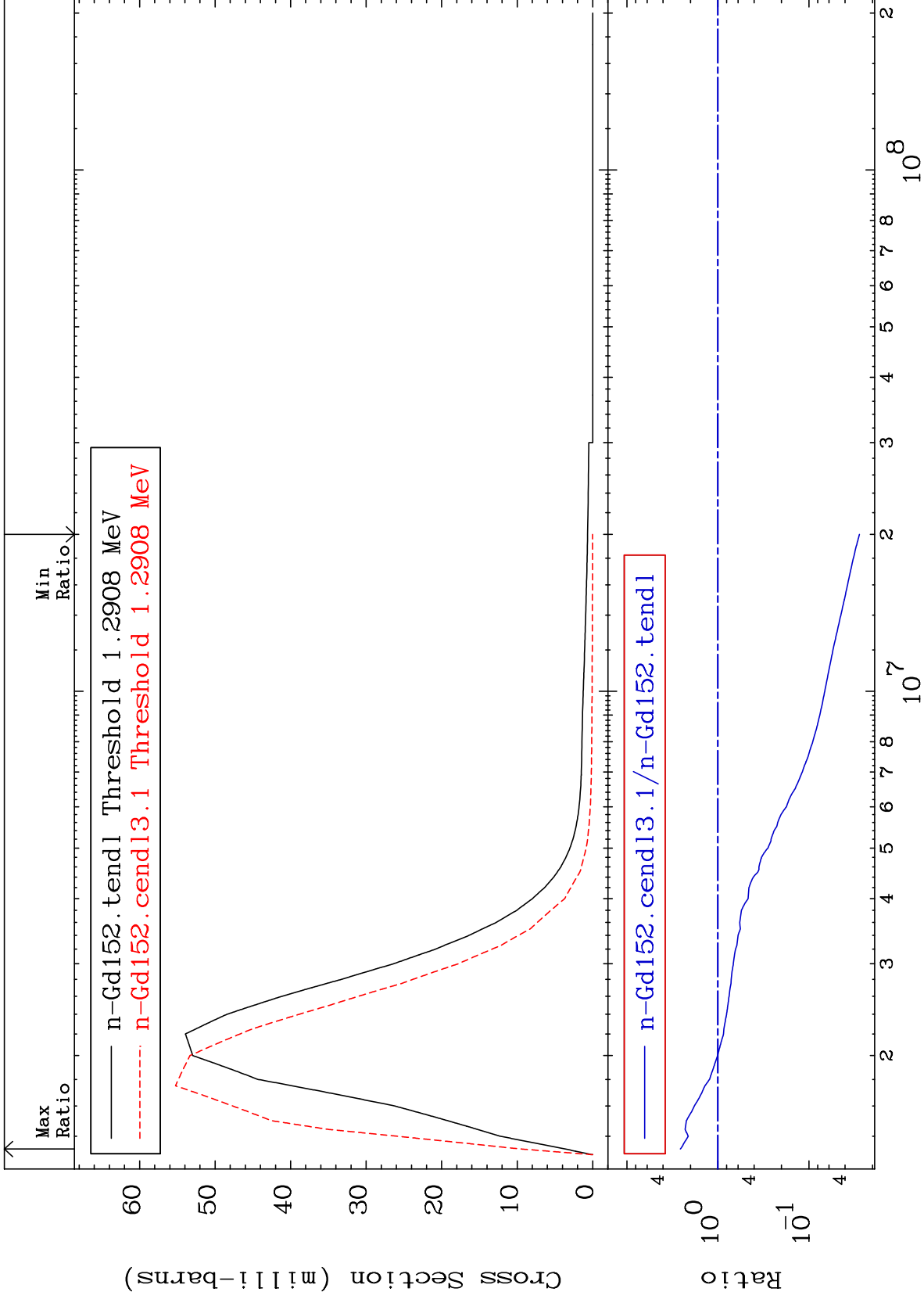
Incident Energy (eV)

64-Gd-152

MAT 6425

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

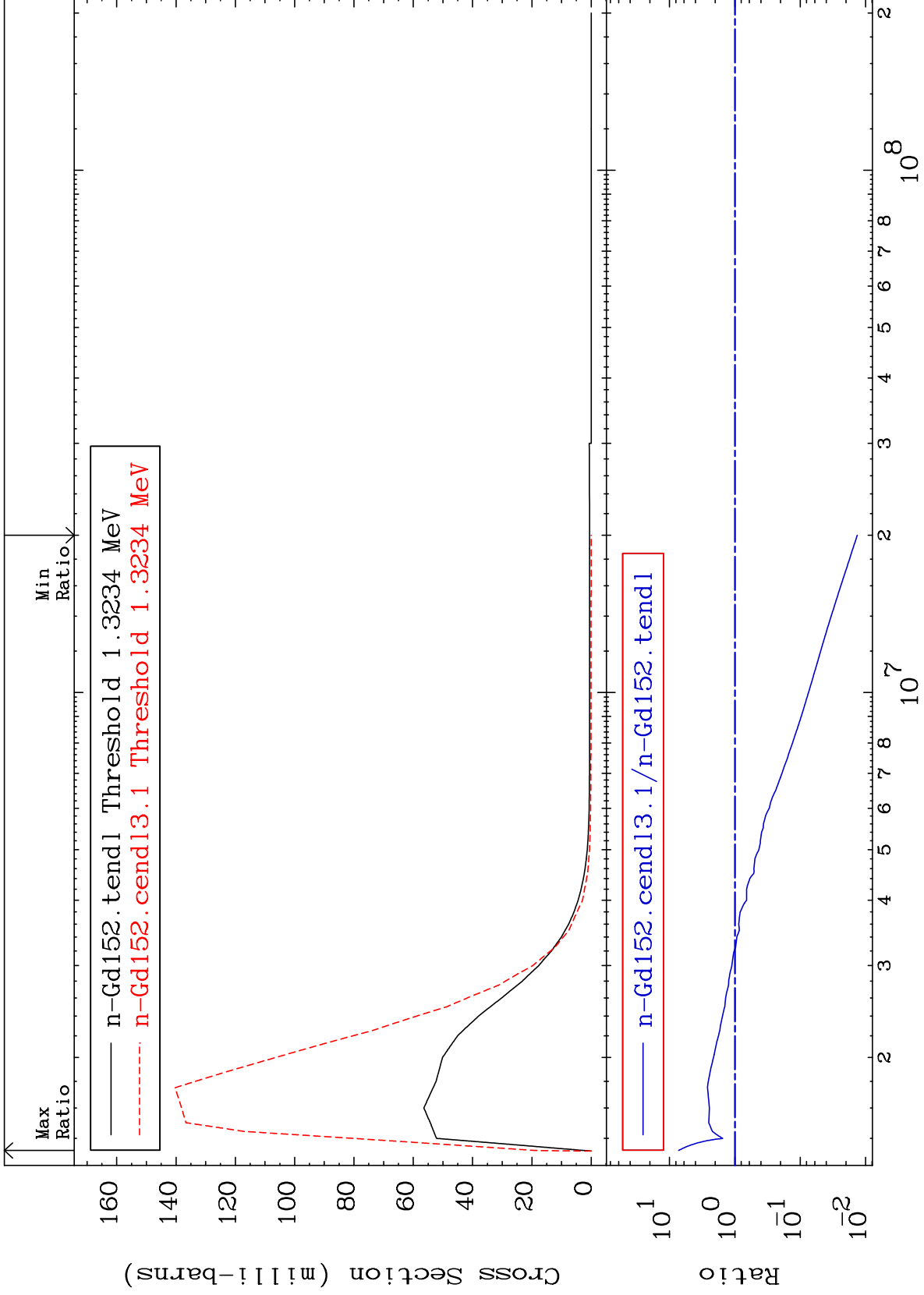
64-Gd-152
-97.22 To 158.3 %



MAT 6425

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

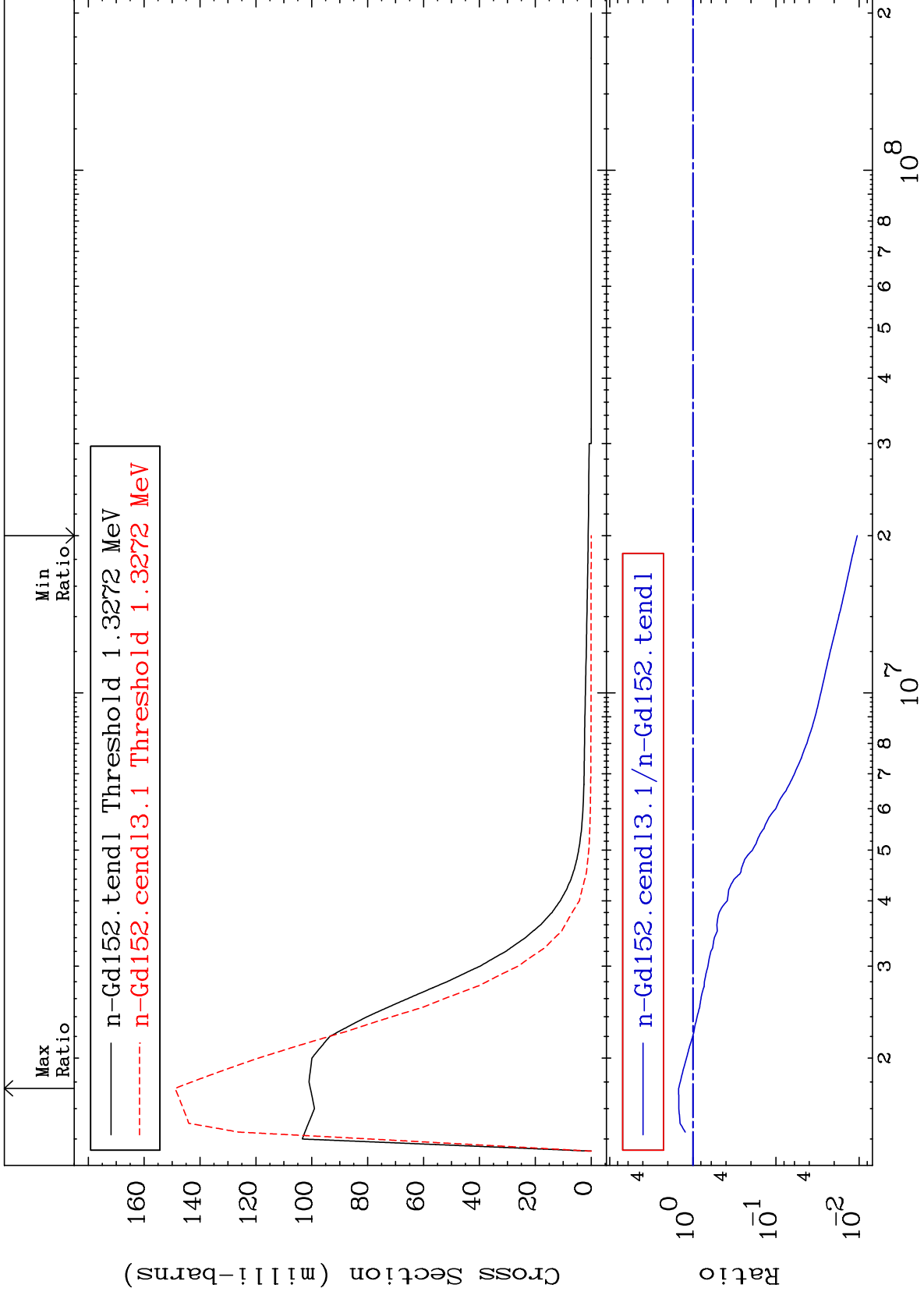
64-Gd-152
-98.66 To 625.0 %



MAT 6425

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

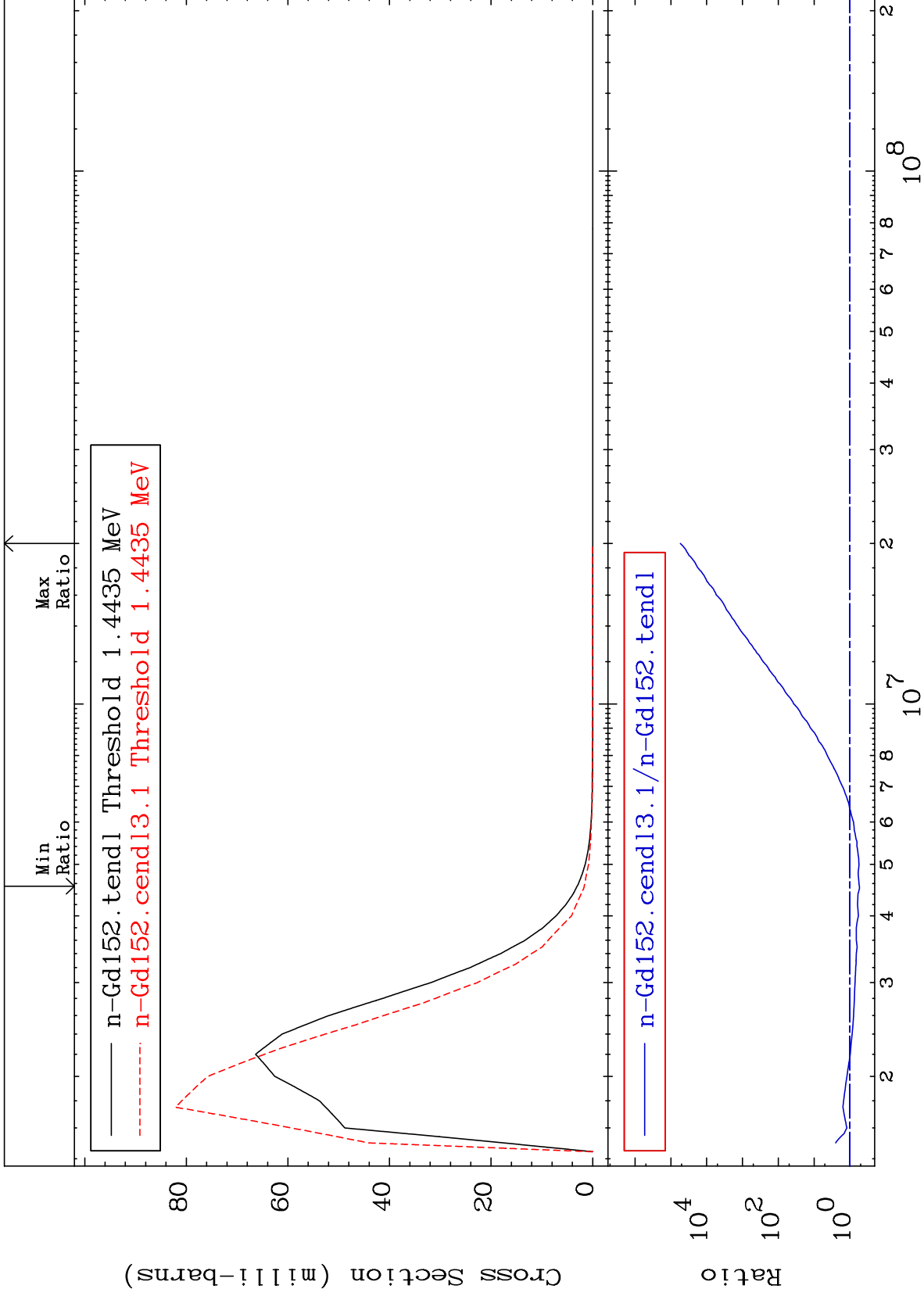
64-Gd-152
-98.94 To 48.18 %

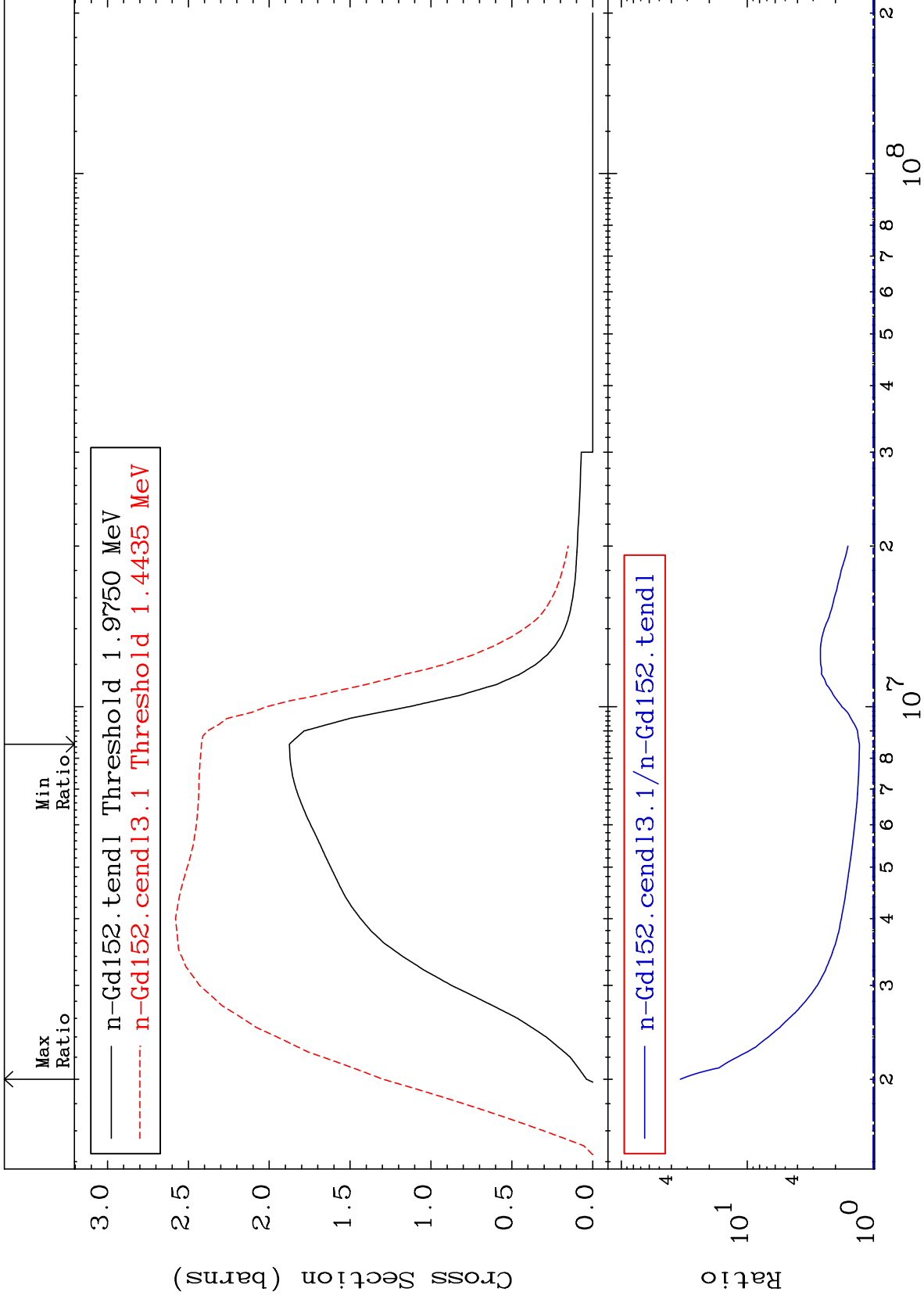


MAT 6425

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

64-Gd-152
-45.84 To 9999. %



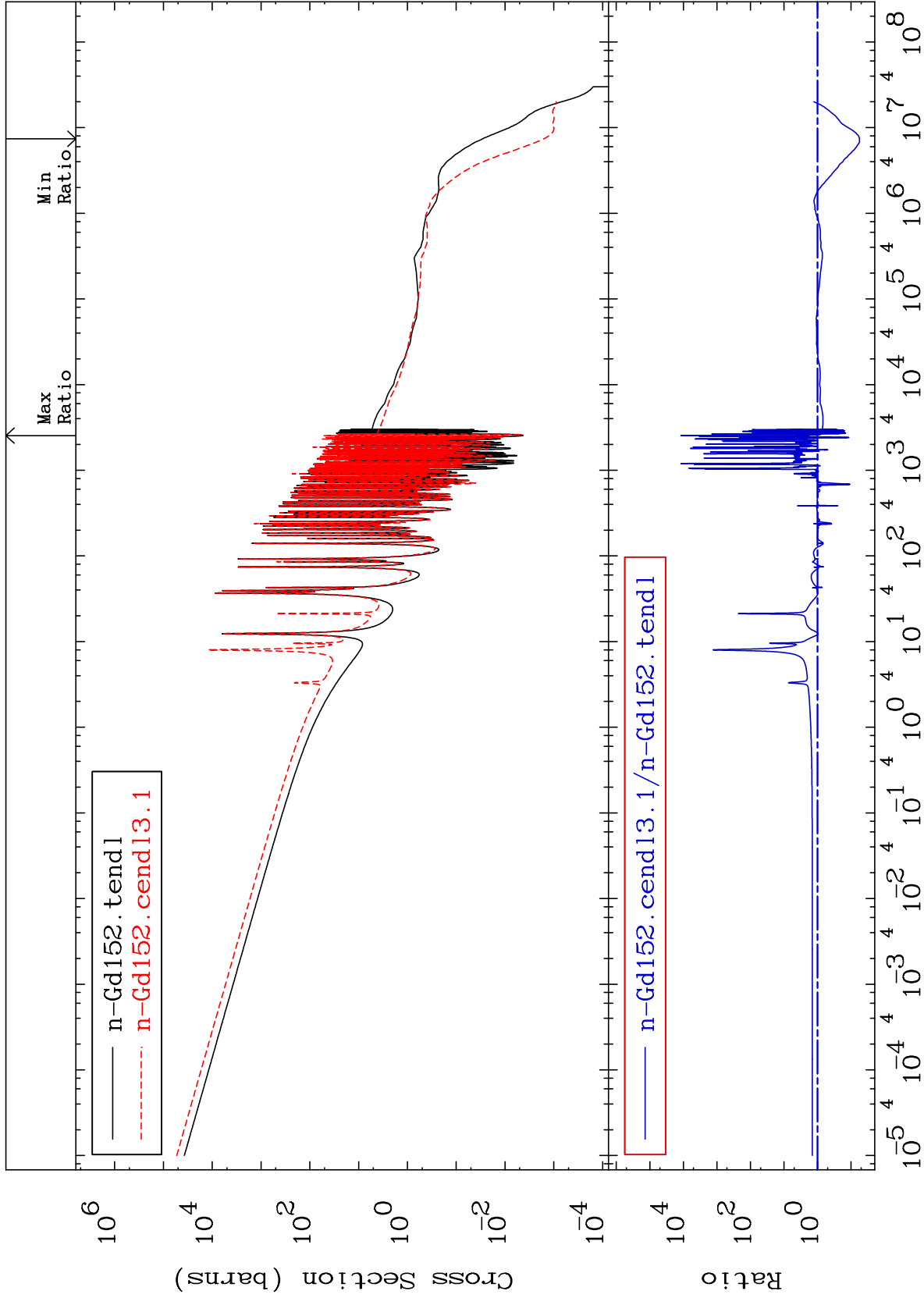


MAT 6425

64-Gd-152

(n, γ)
Cross Section

-94.40 To 9999. %



21

Incident Energy (eV)

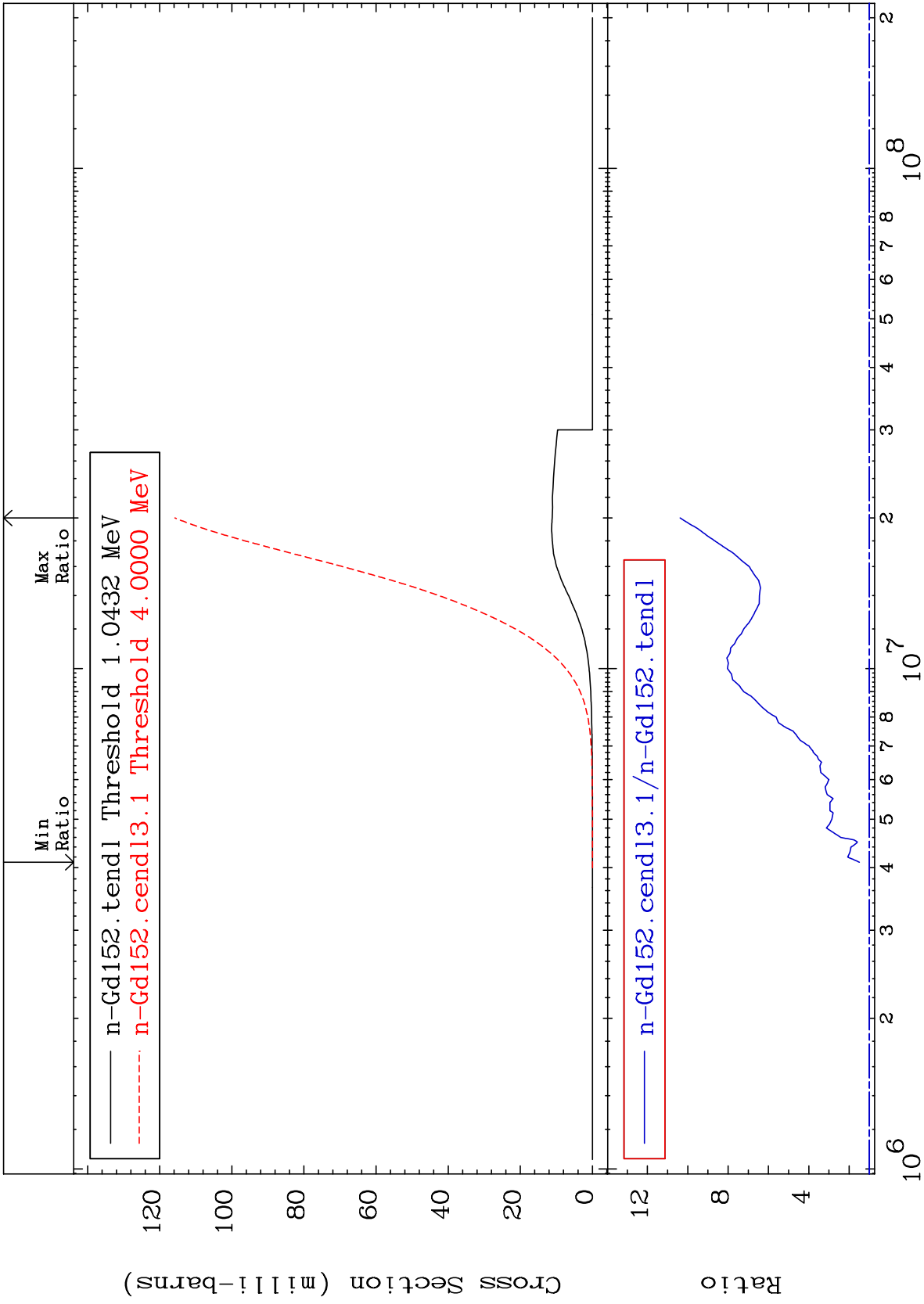
64-Gd-152

MAT 6425

64-Gd-152

49.31 To 937.8 %

(n, p)
Cross Section



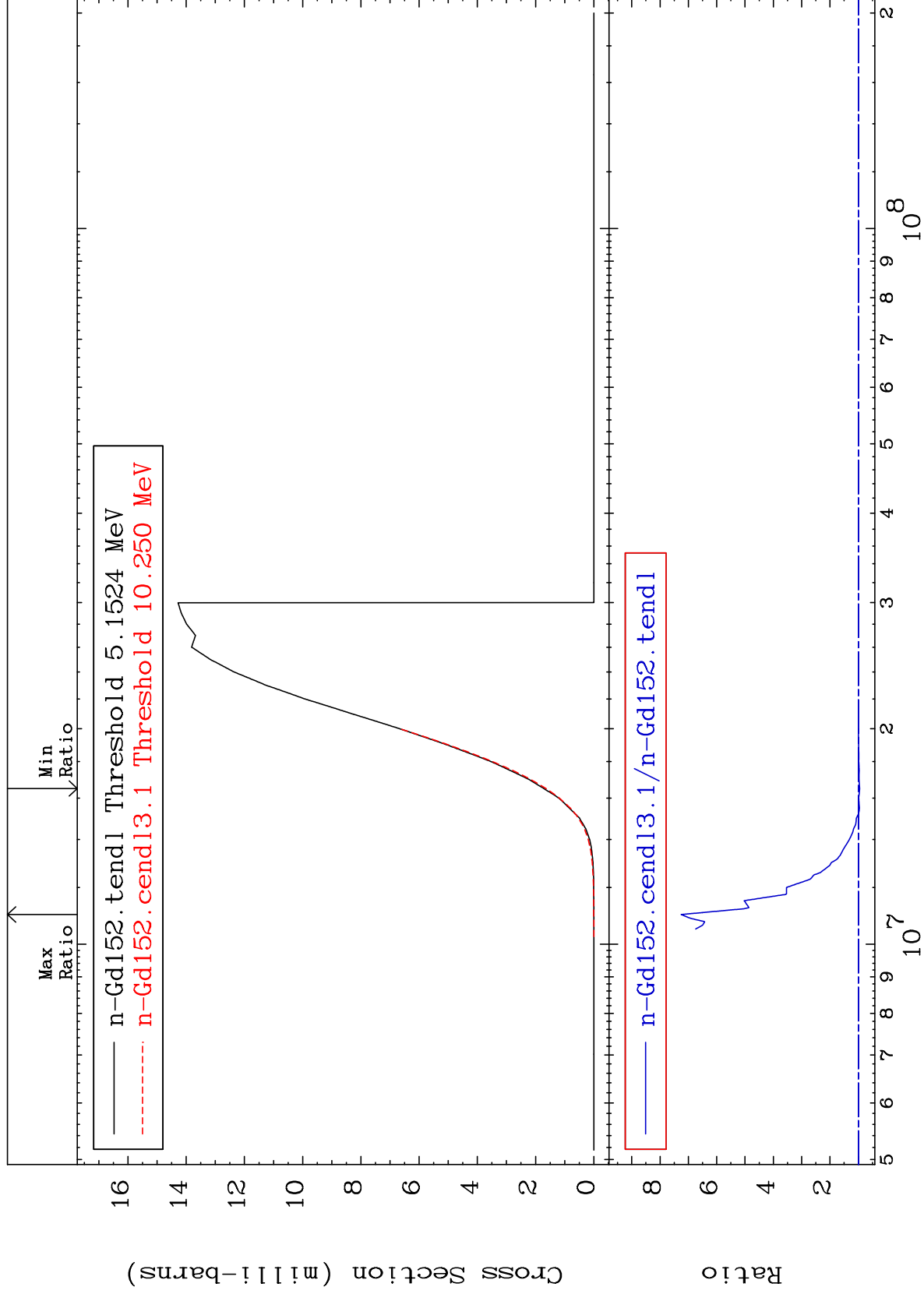
MAT 6425

(n, d)

64-Gd-152

Cross Section

-4.768 To 625.4 %

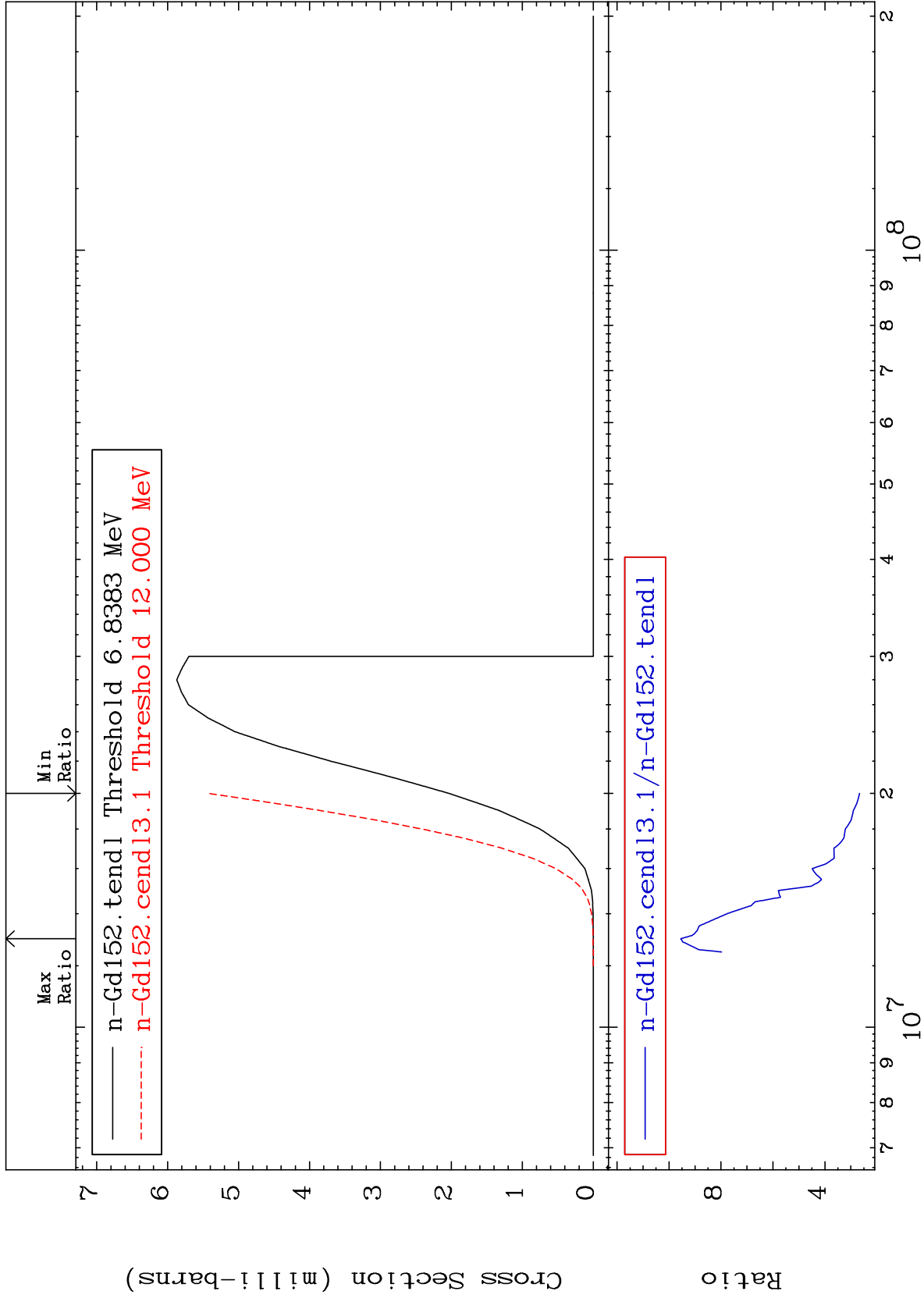


MAT 6425

64-Gd-152

(n, t)
Cross Section

166.6 To 854.8 %



24

Incident Energy (eV)

64-Gd-152

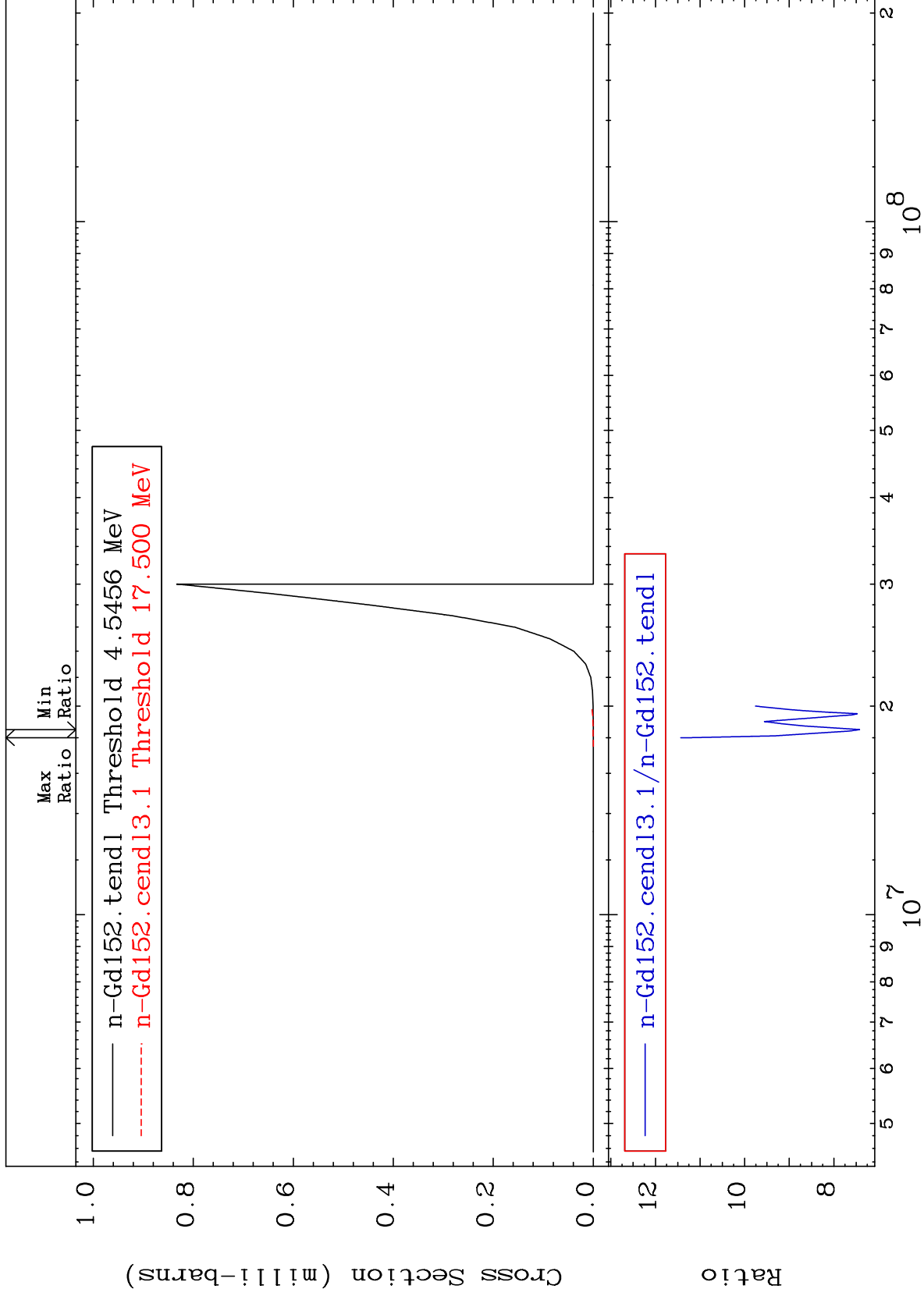
MAT 6425

(n, He-3)

64-Gd-152

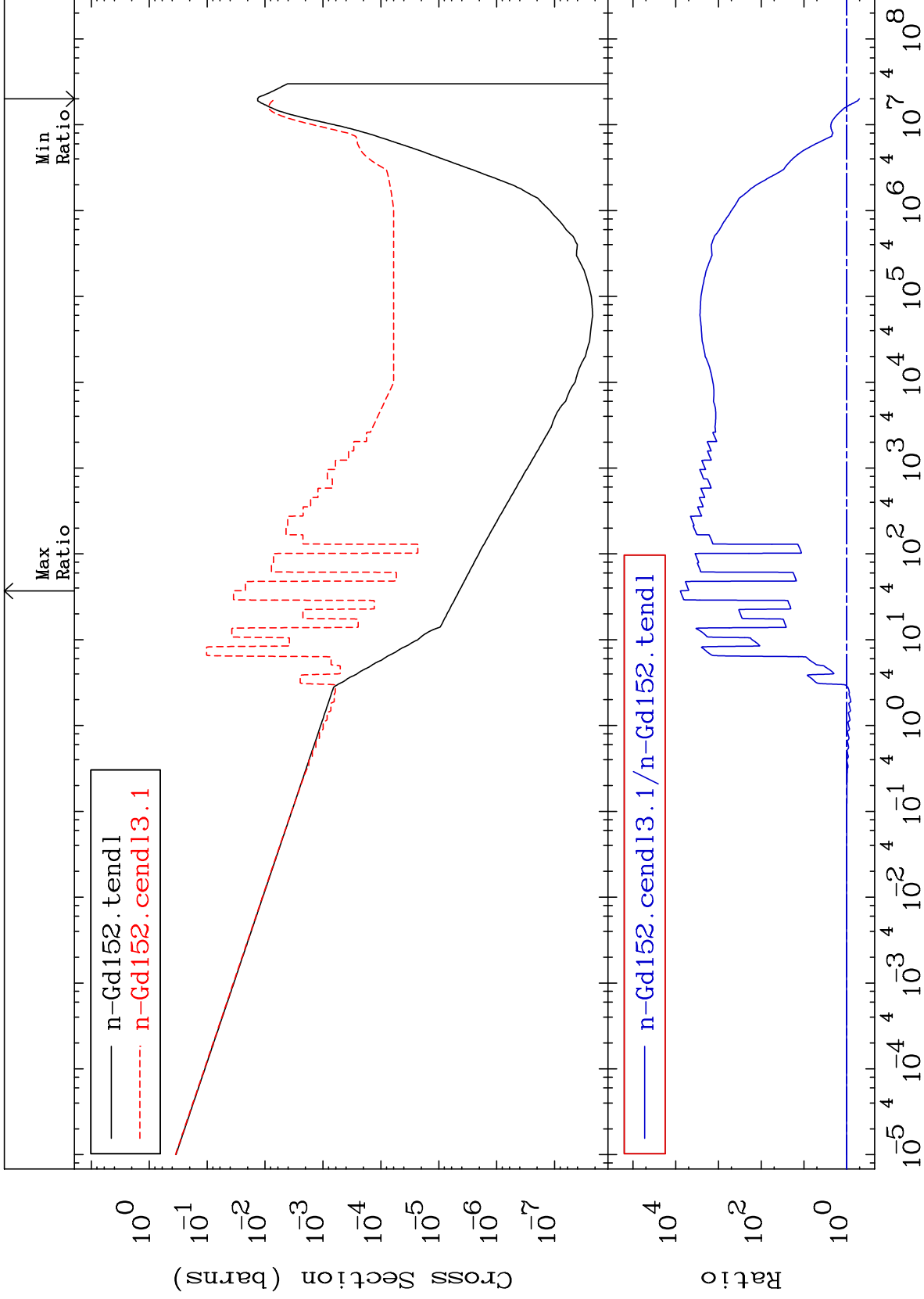
Cross Section

642.4 To 1043. %



25

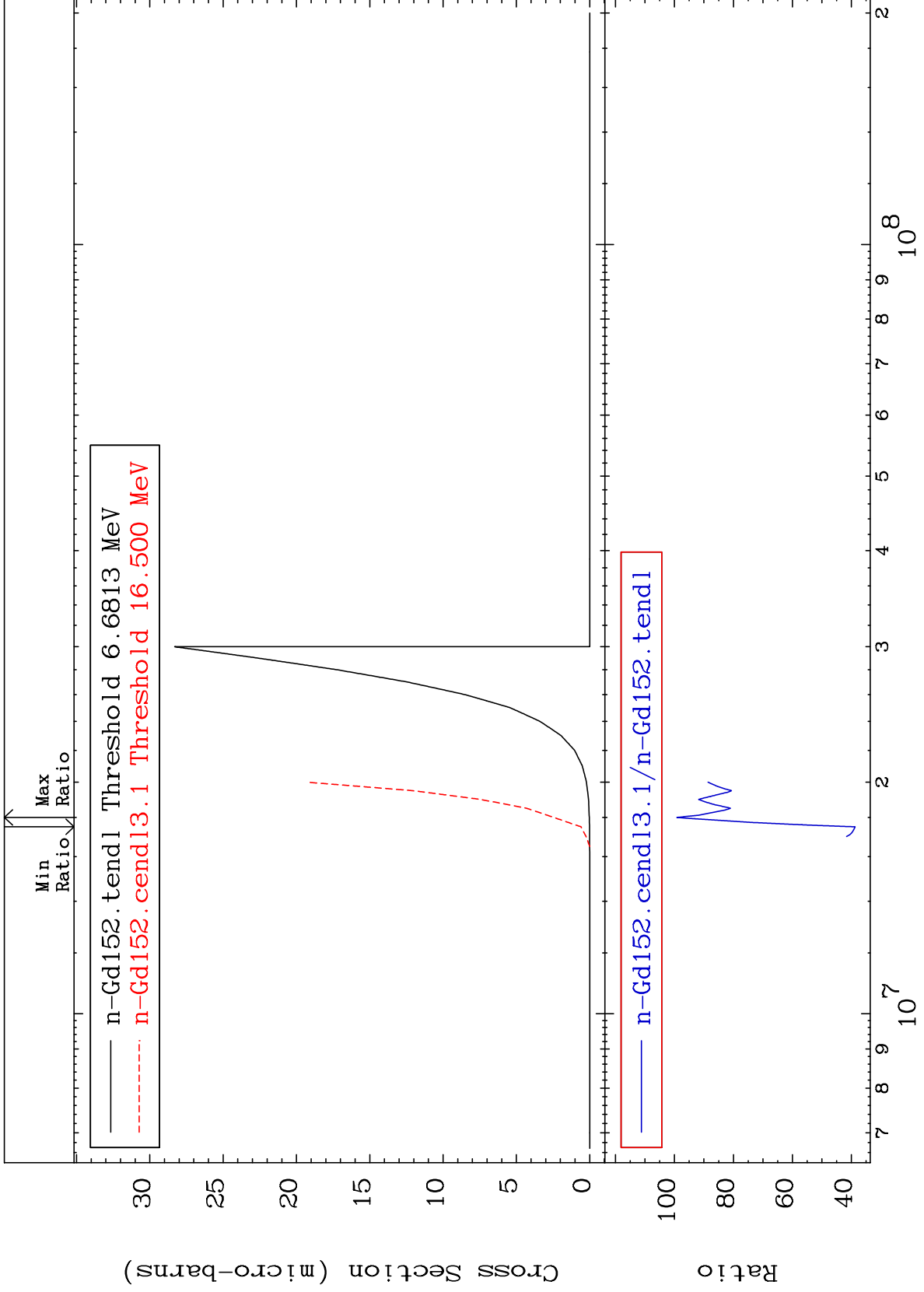
64-Gd-152



MAT 6425

(n,2p)
Cross Section

64-Gd-152
3771. To 9817. %



27

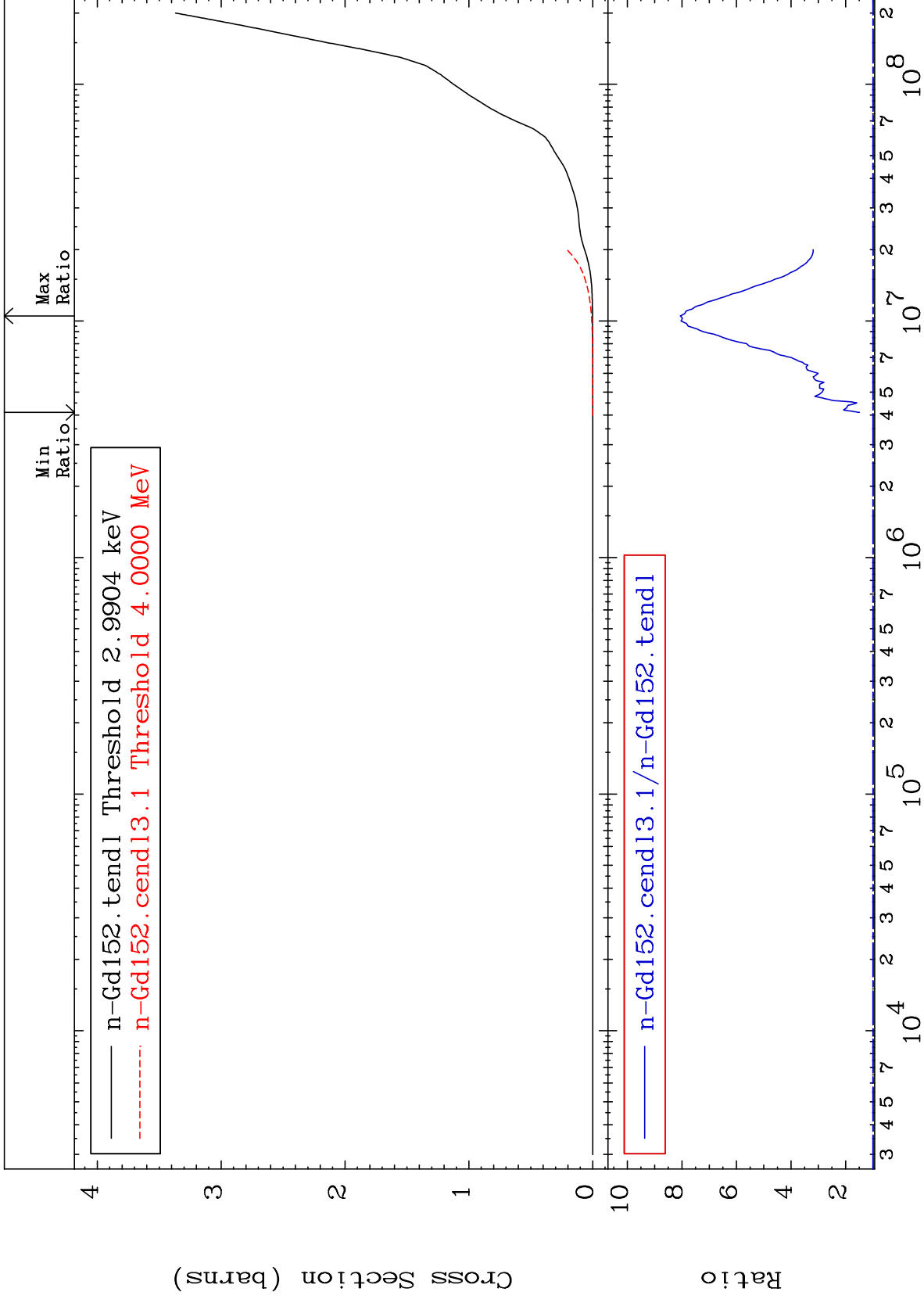
Incident Energy (eV)

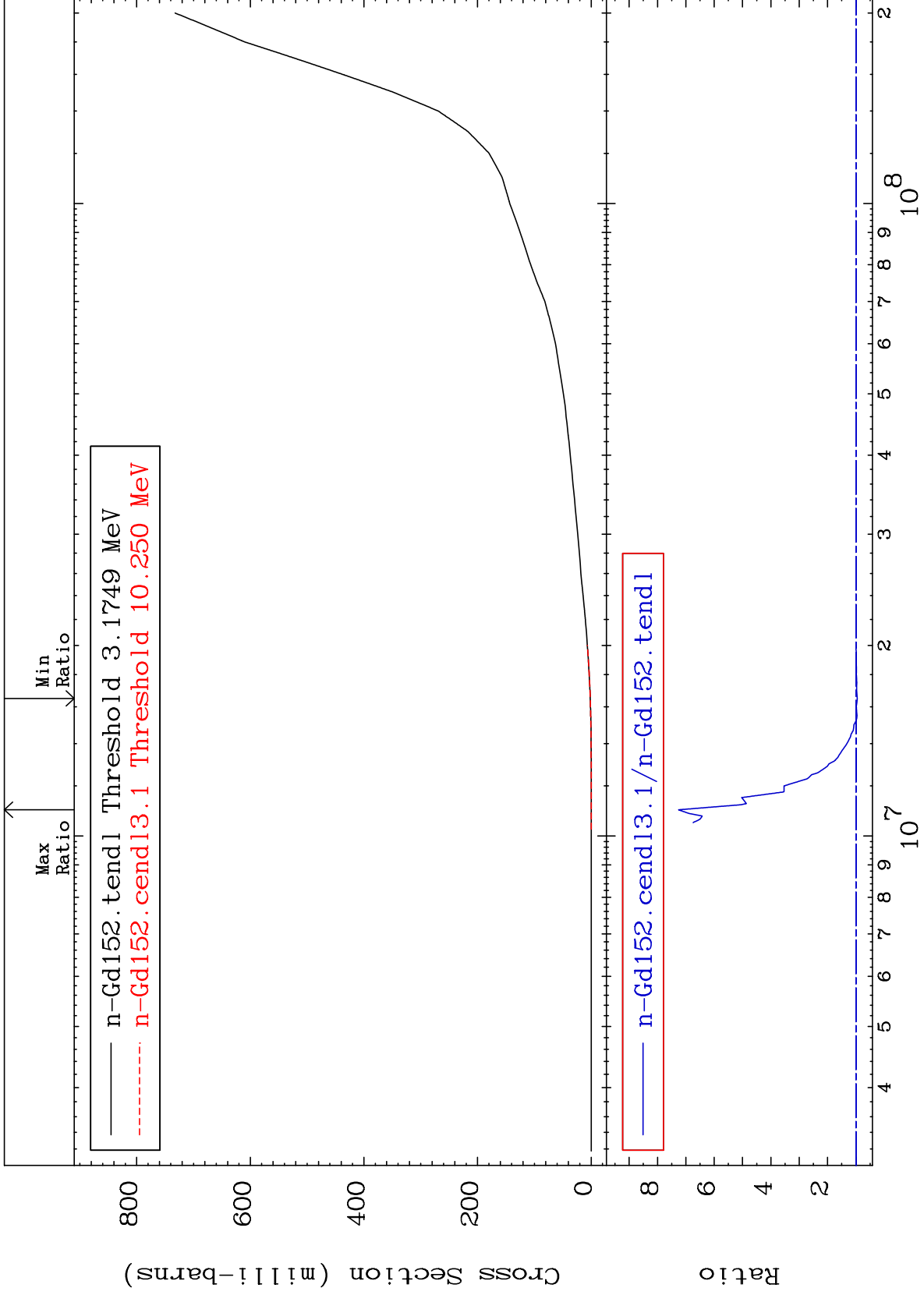
64-Gd-152

MAT 6425

Hydrogen Production
Cross Section

64-Gd-152
49.31 To 705.7 %

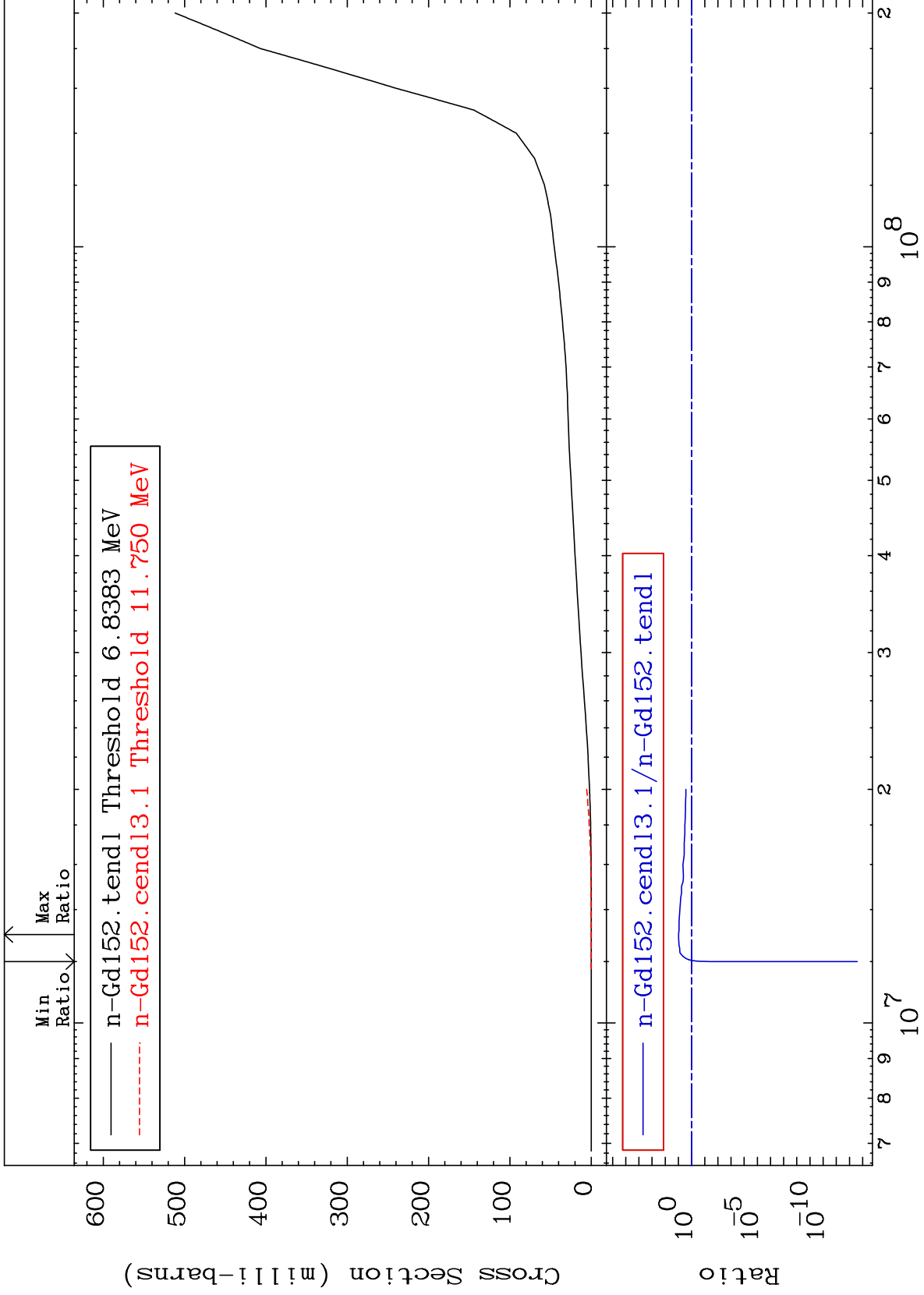




MAT 6425

Tritium Production
Cross Section

64-Gd-152
-100.0 To 854.8 %



30

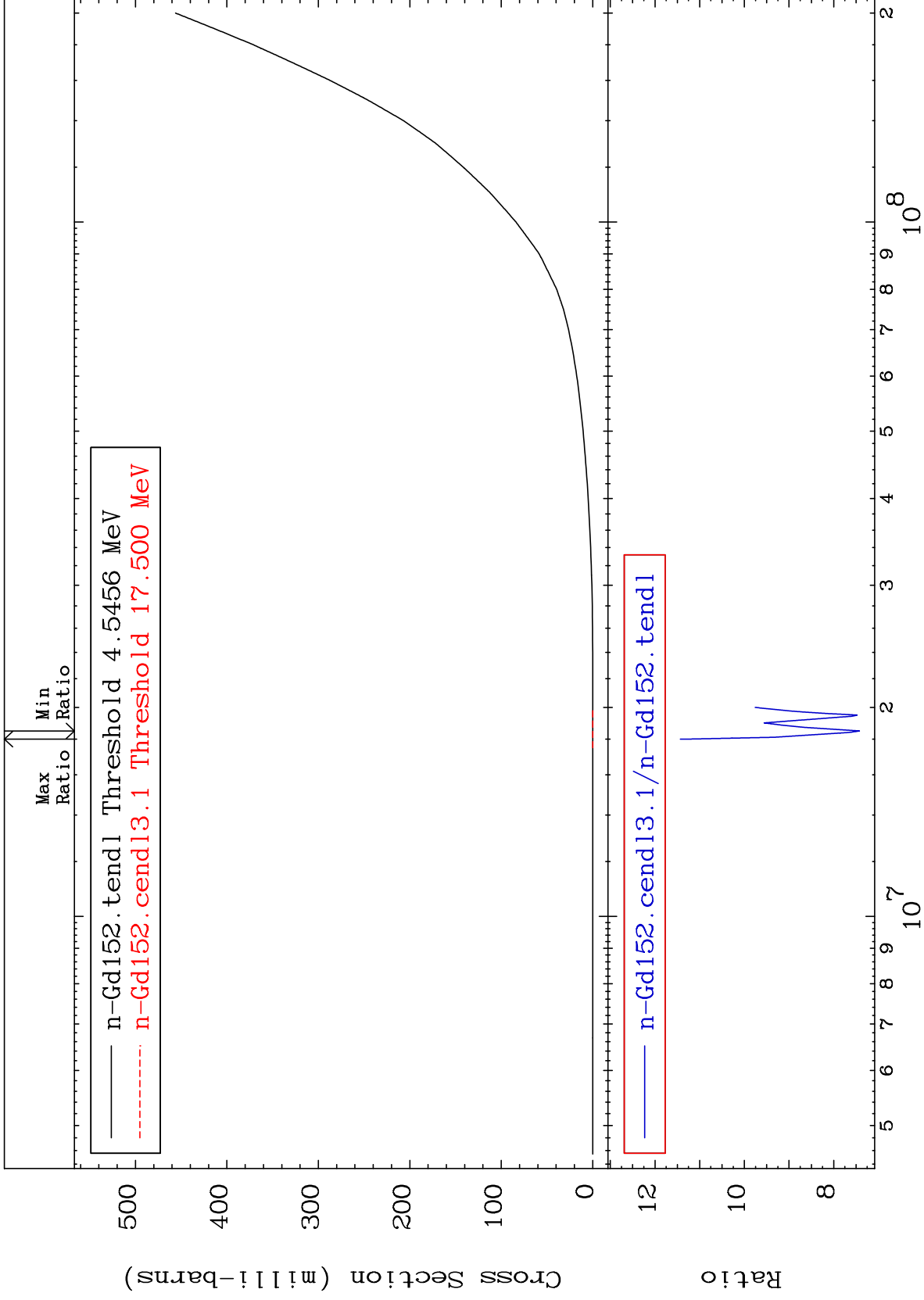
Incident Energy (eV)

64-Gd-152

MAT 6425

He-3 Production
Cross Section

64-Gd-152
642.4 To 1043. %



31

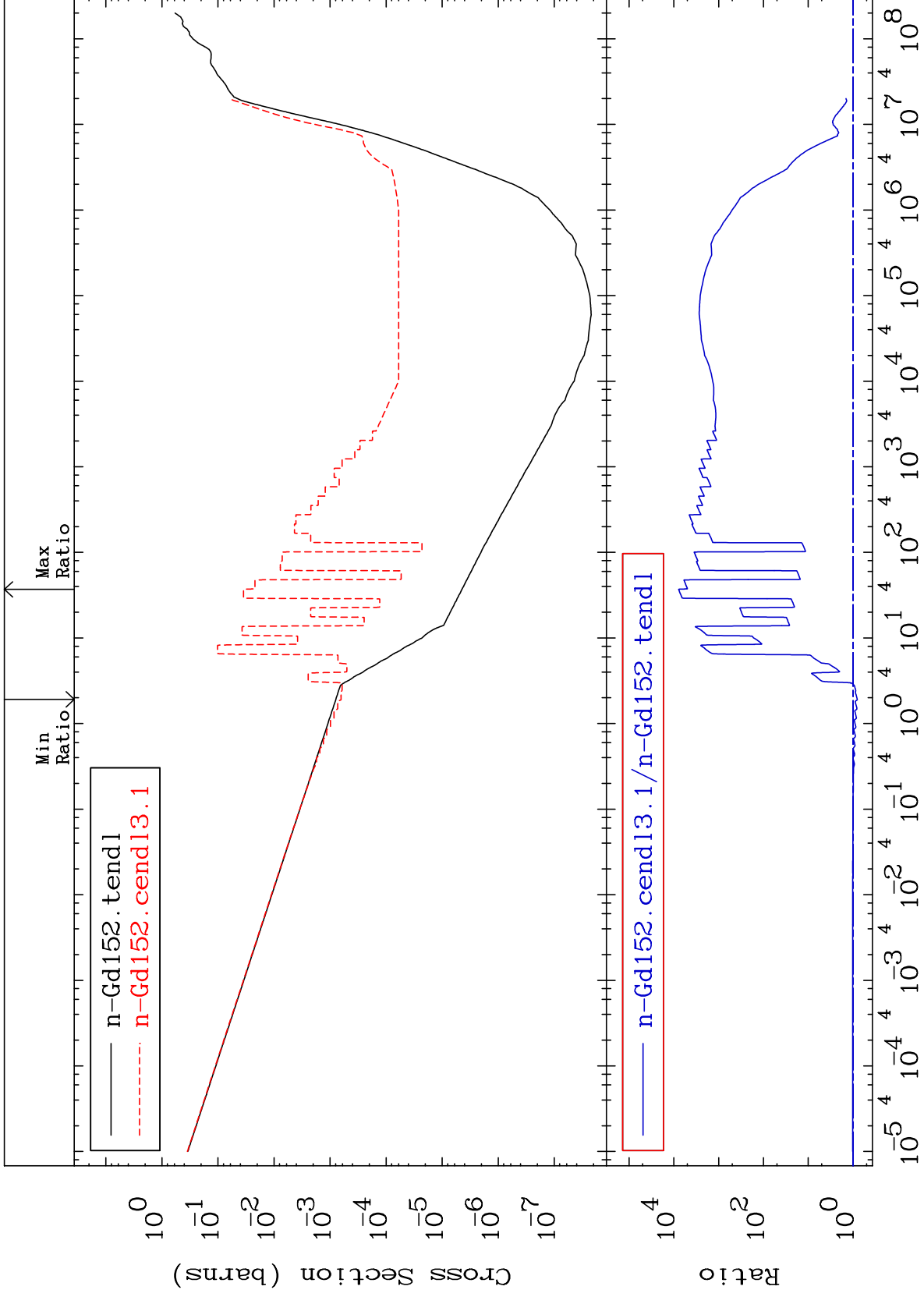
Incident Energy (eV)

64-Gd-152

MAT 6425

He-4 Production
Cross Section

64-Gd-152
-19.41 To 9999. %



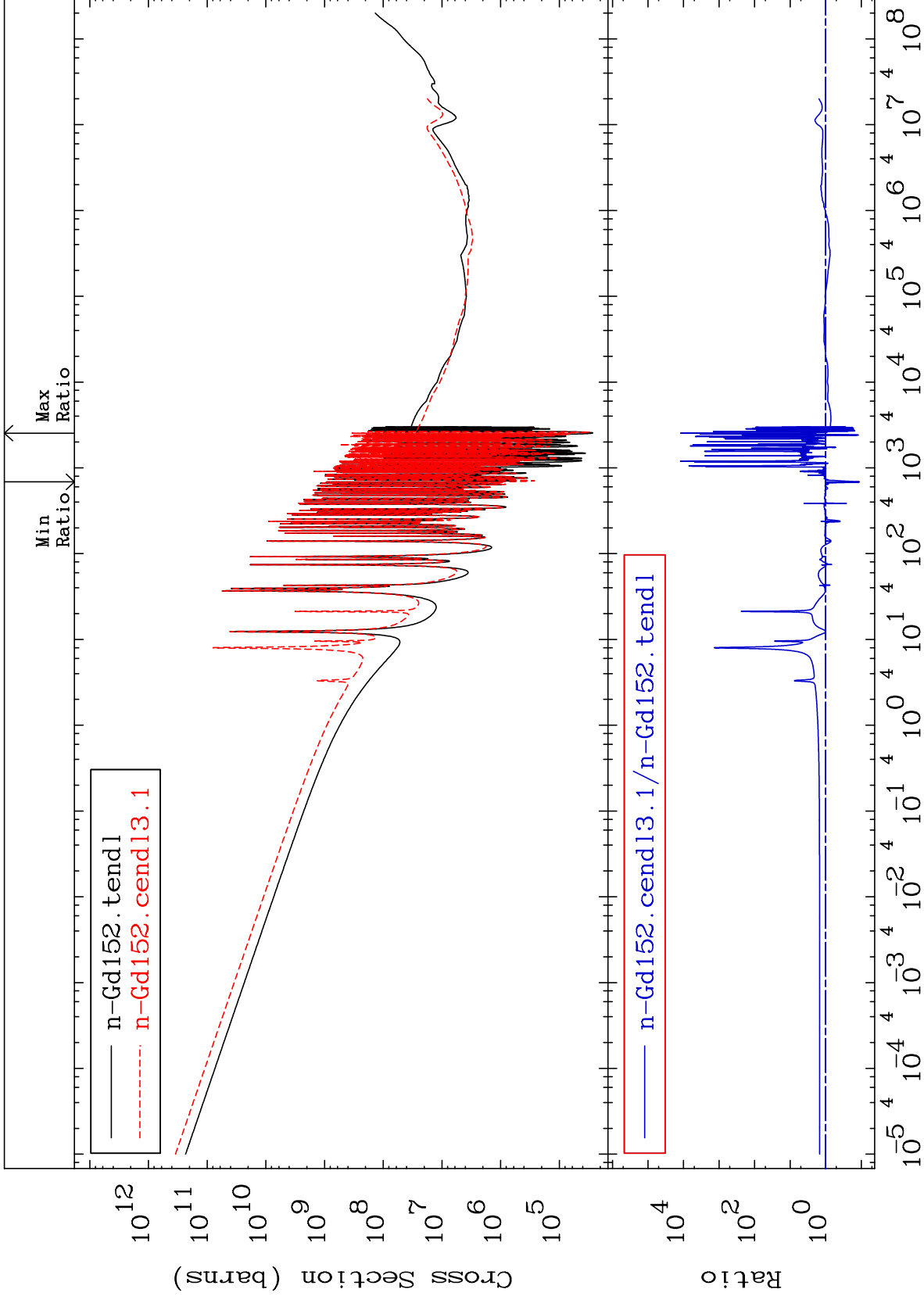
Incident Energy (eV)

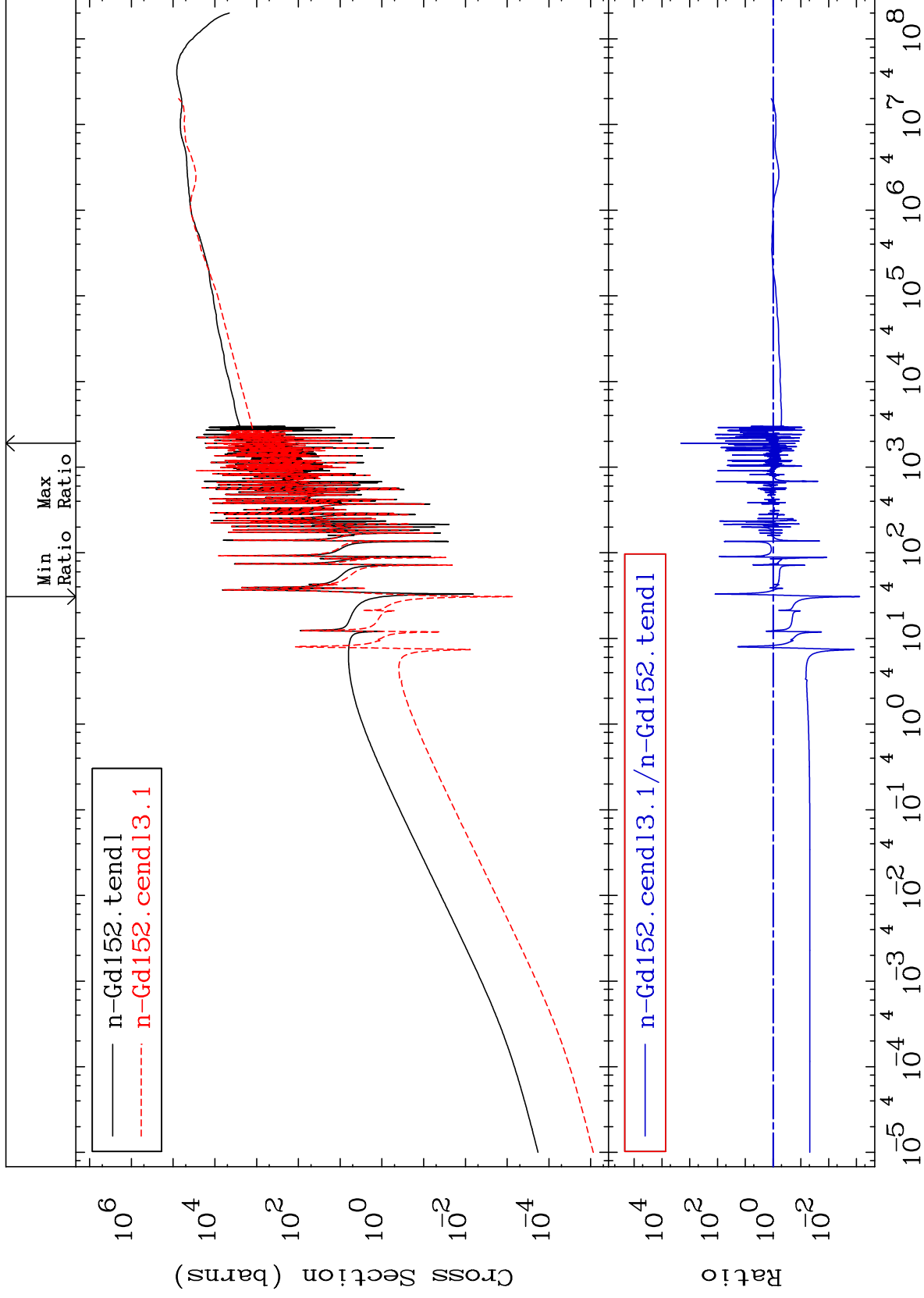
64-Gd-152

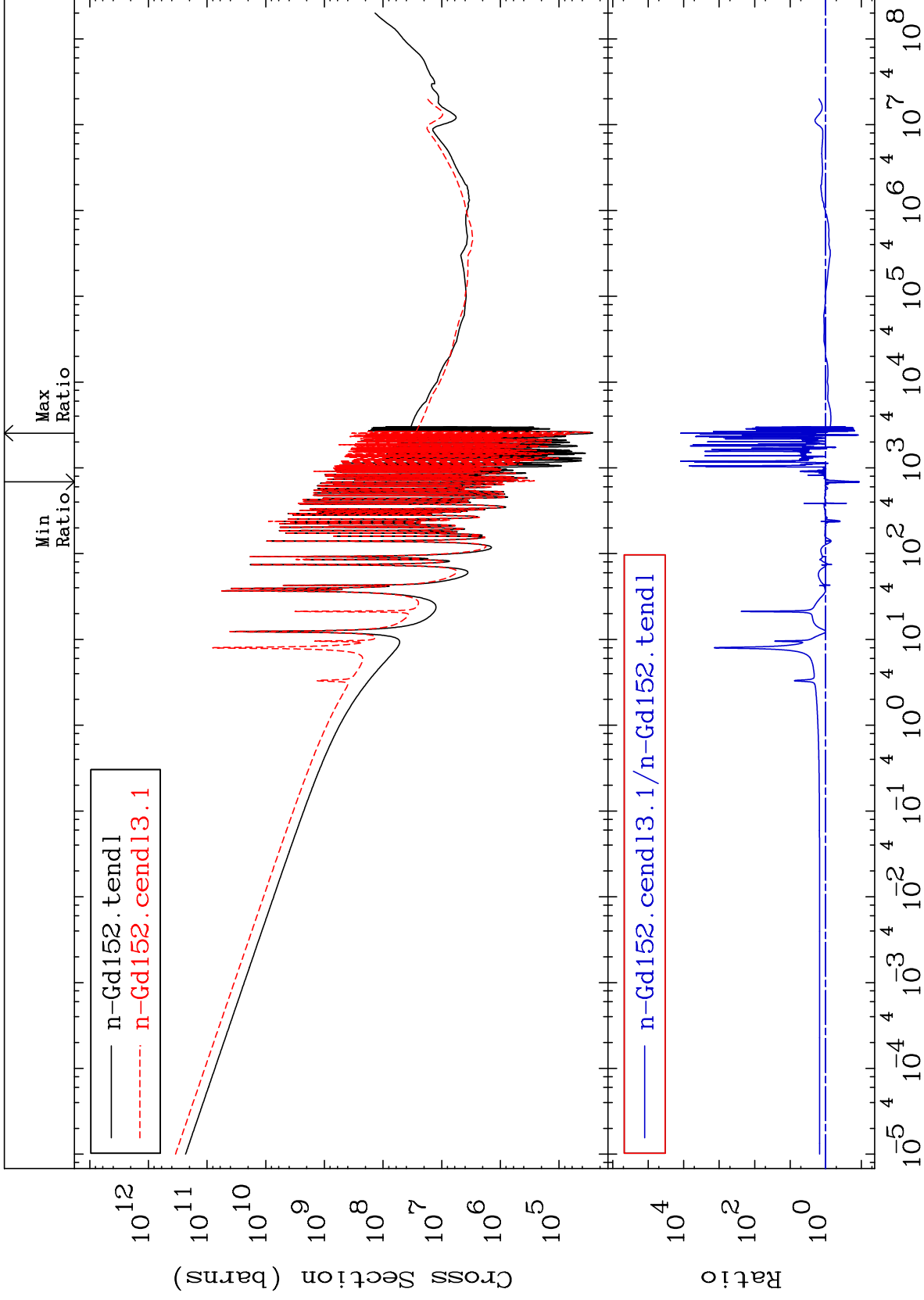
32

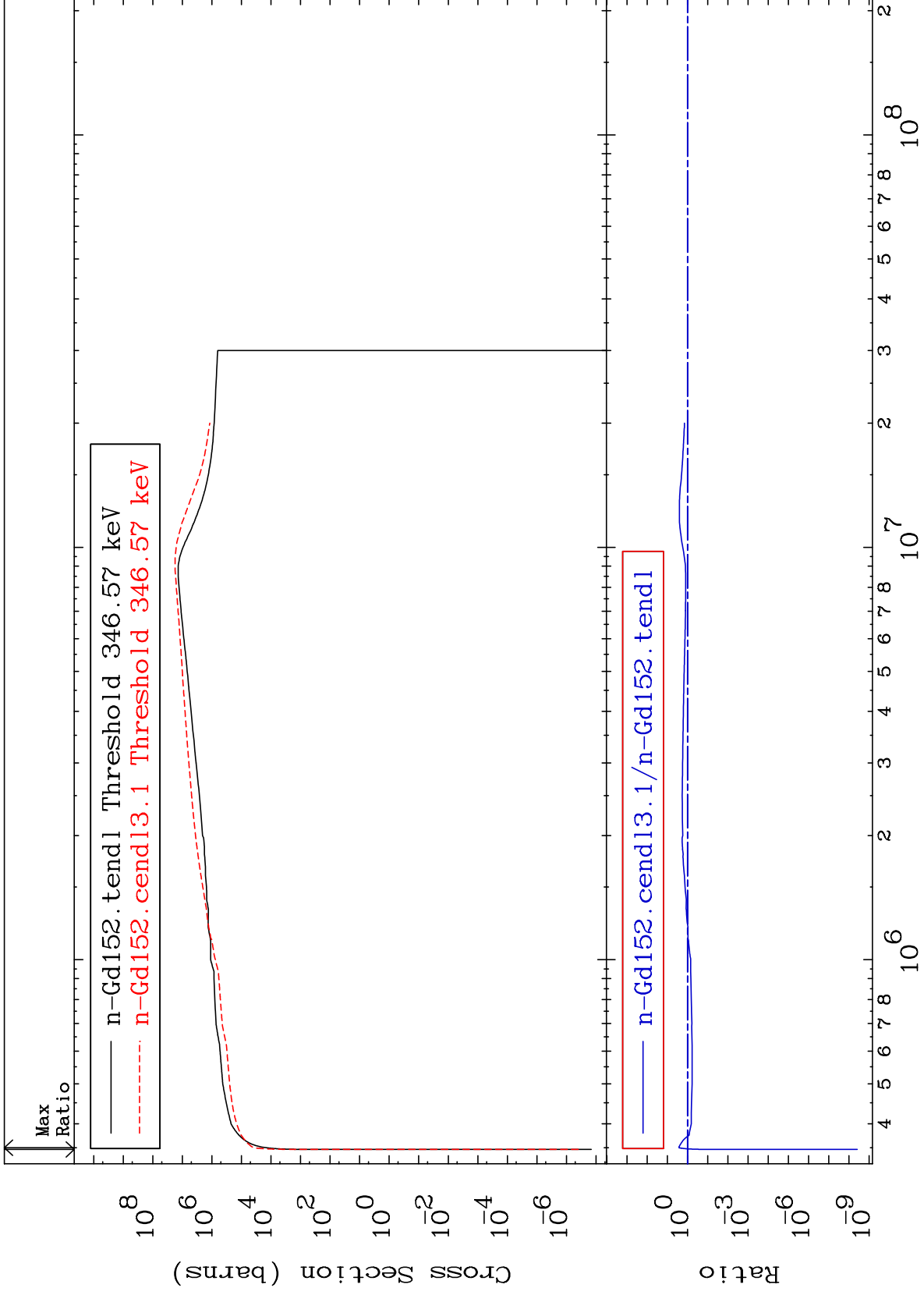
Cross Section

-88.78 To 9999. %





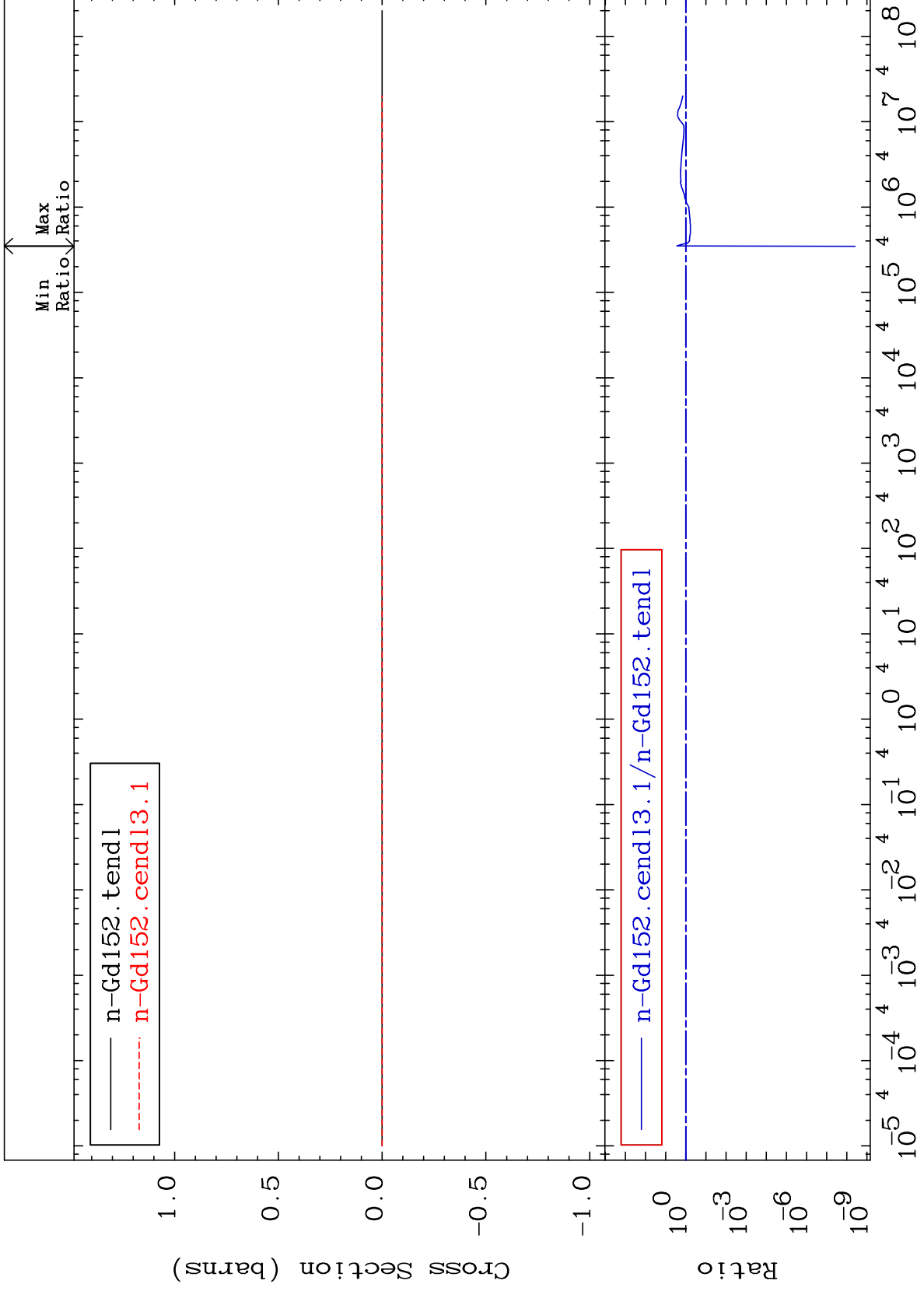


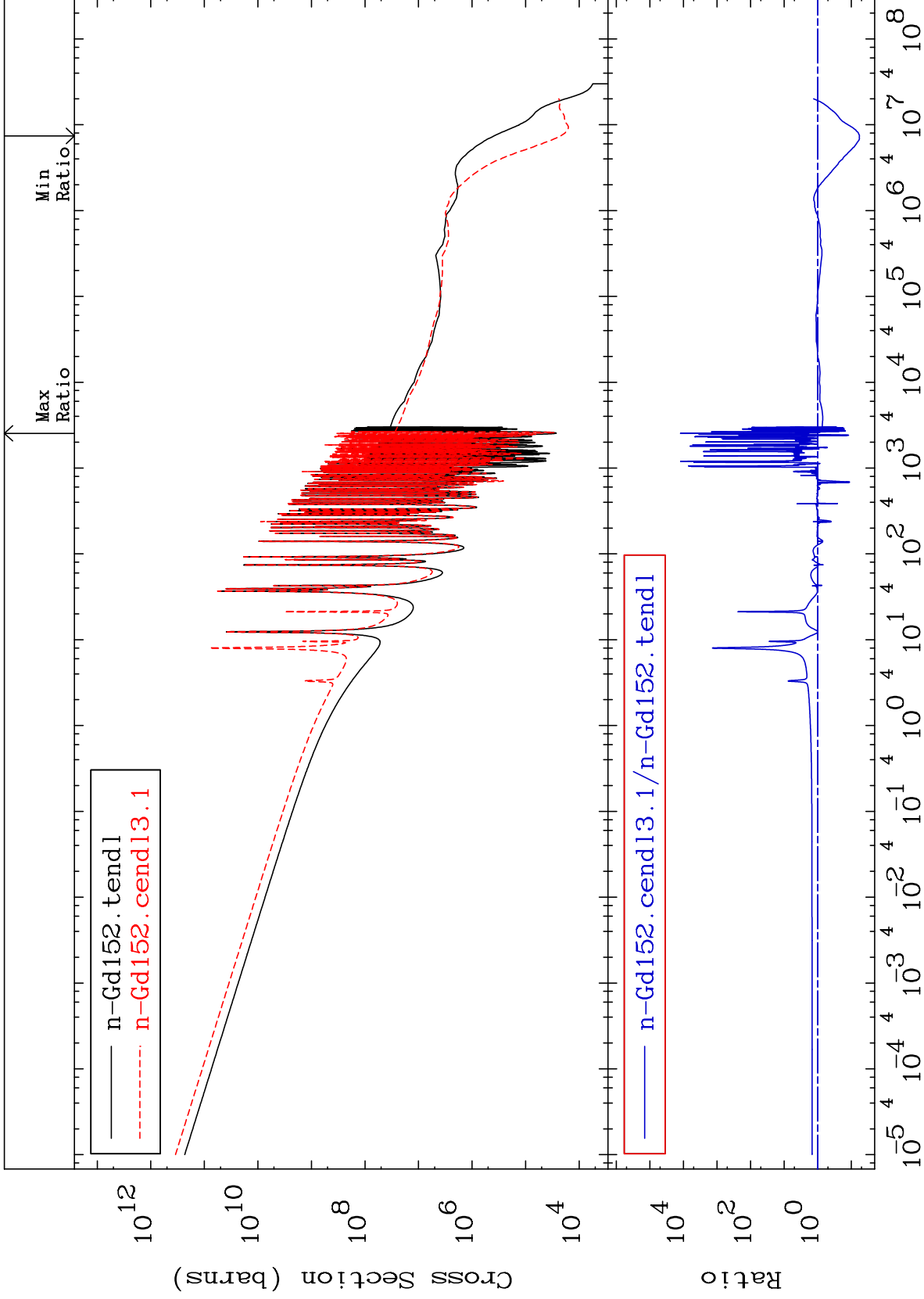


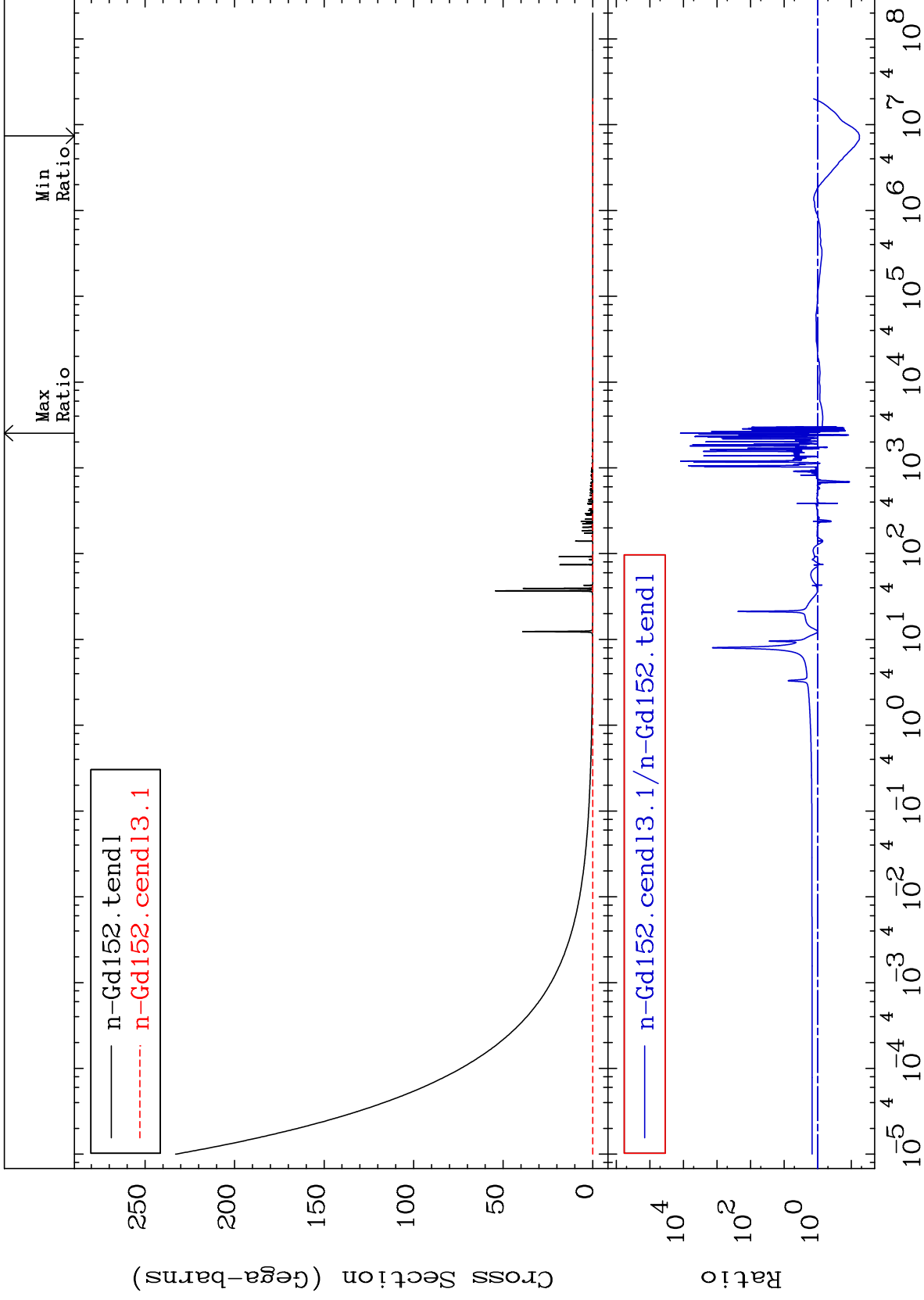
MAT 6425

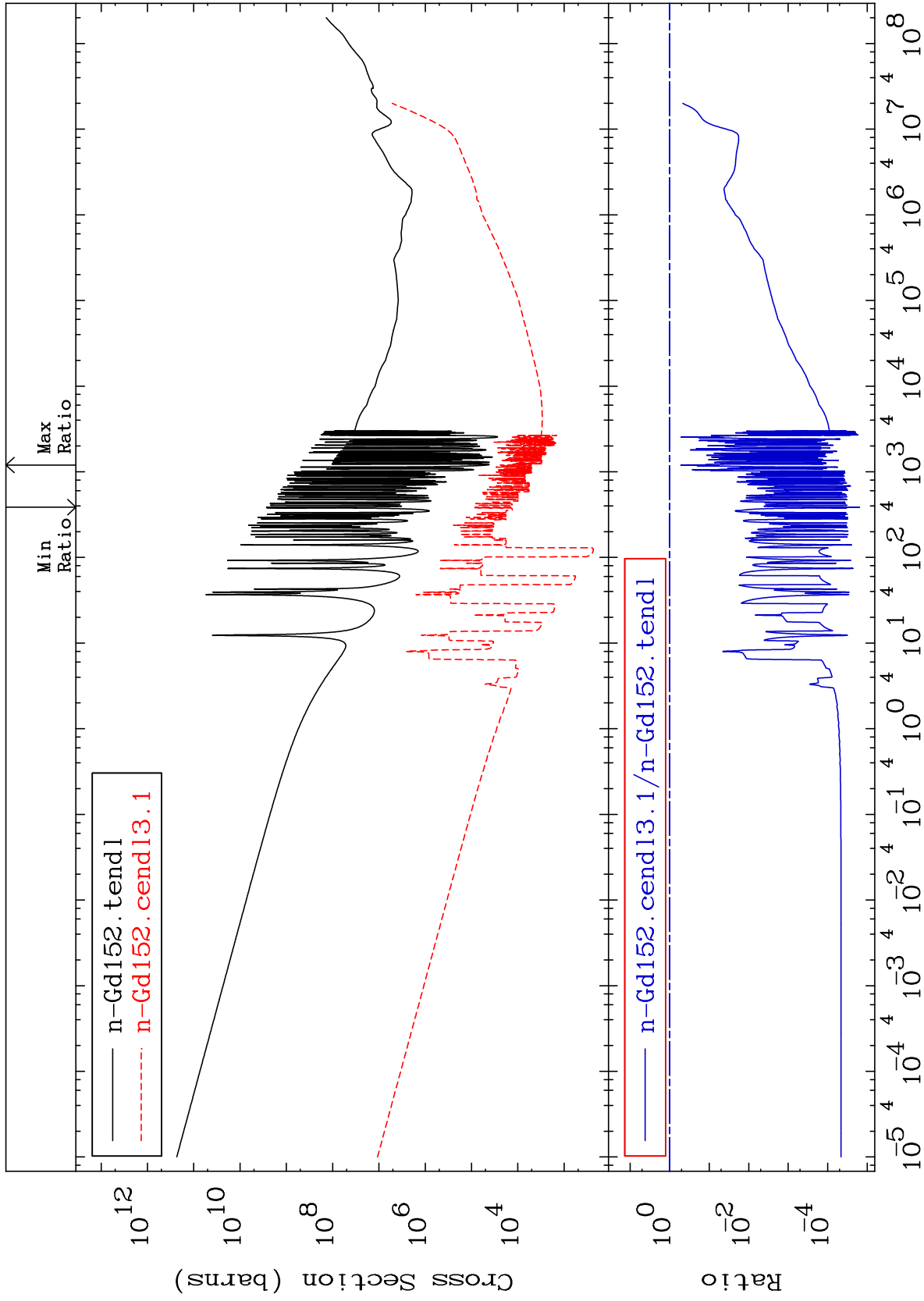
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

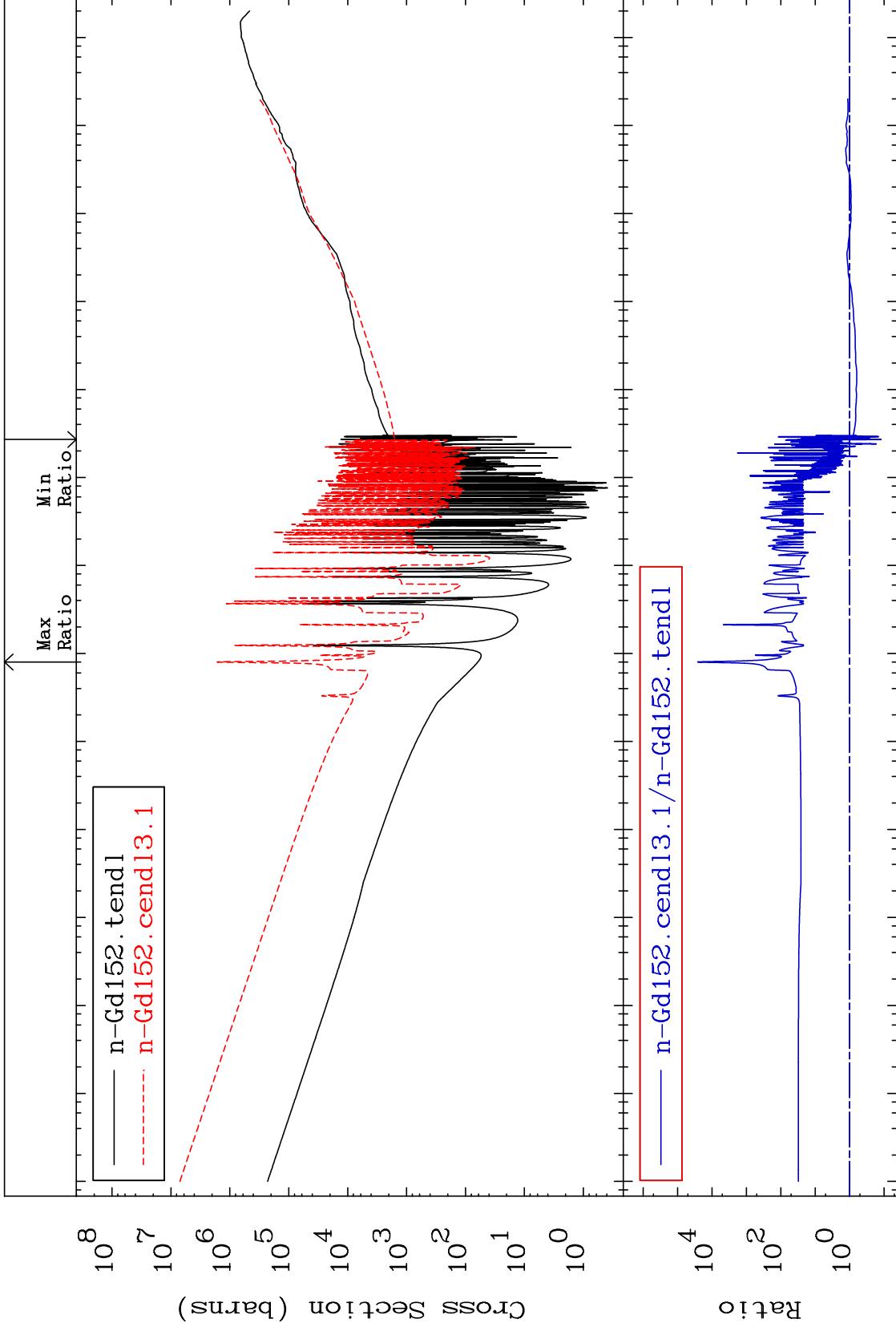
64-Gd-152
-100.0 To 175.4 %







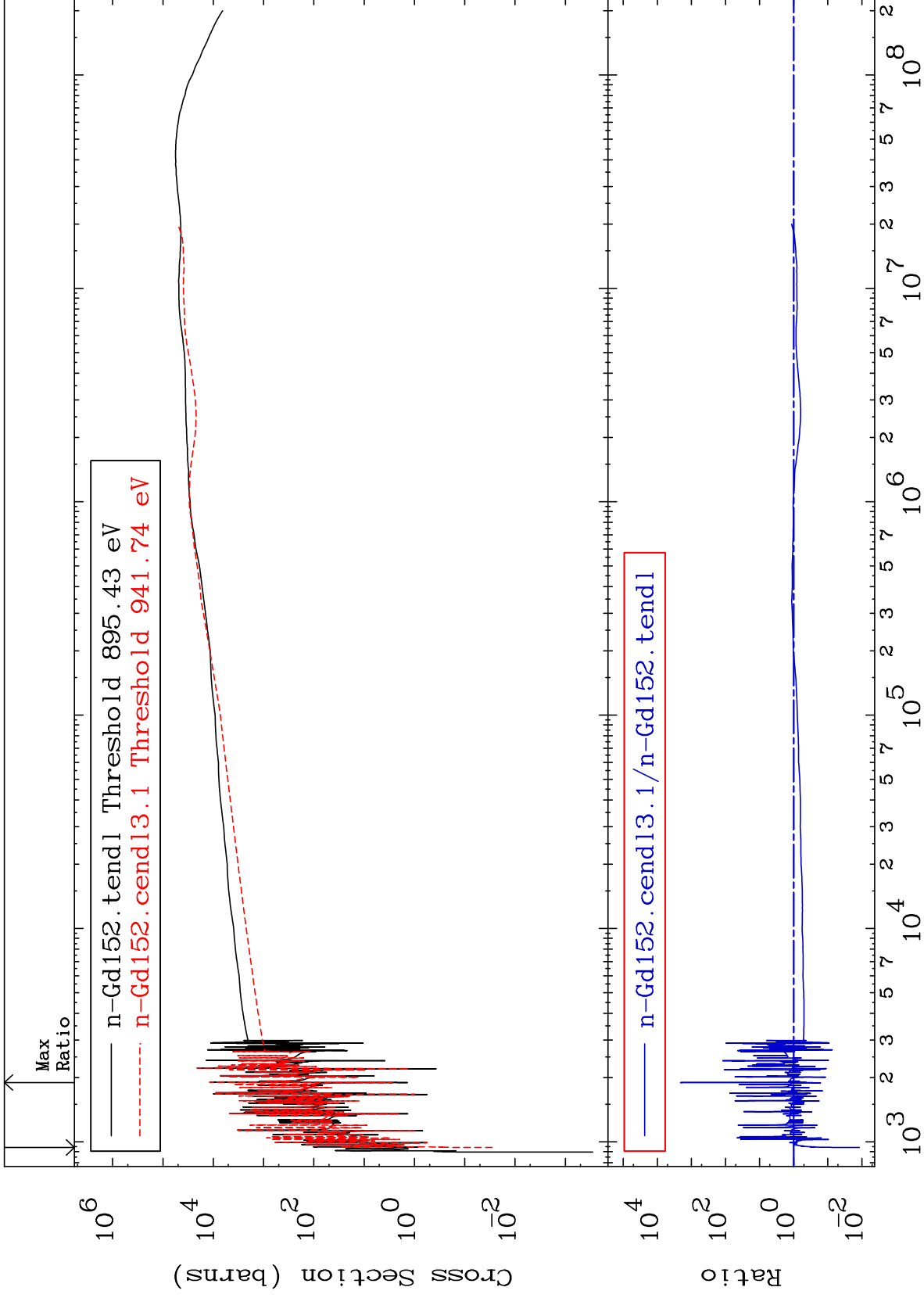




MAT 6425

Dpa elastic (mt2)
Cross Section

64-Gd-152
-98.82 To 9999. %



42

64-Gd-152

MAT 6425

Dpa inelastic (mt51-91)
Cross Section

64-Gd-152
-100.0 To 175.5 %

