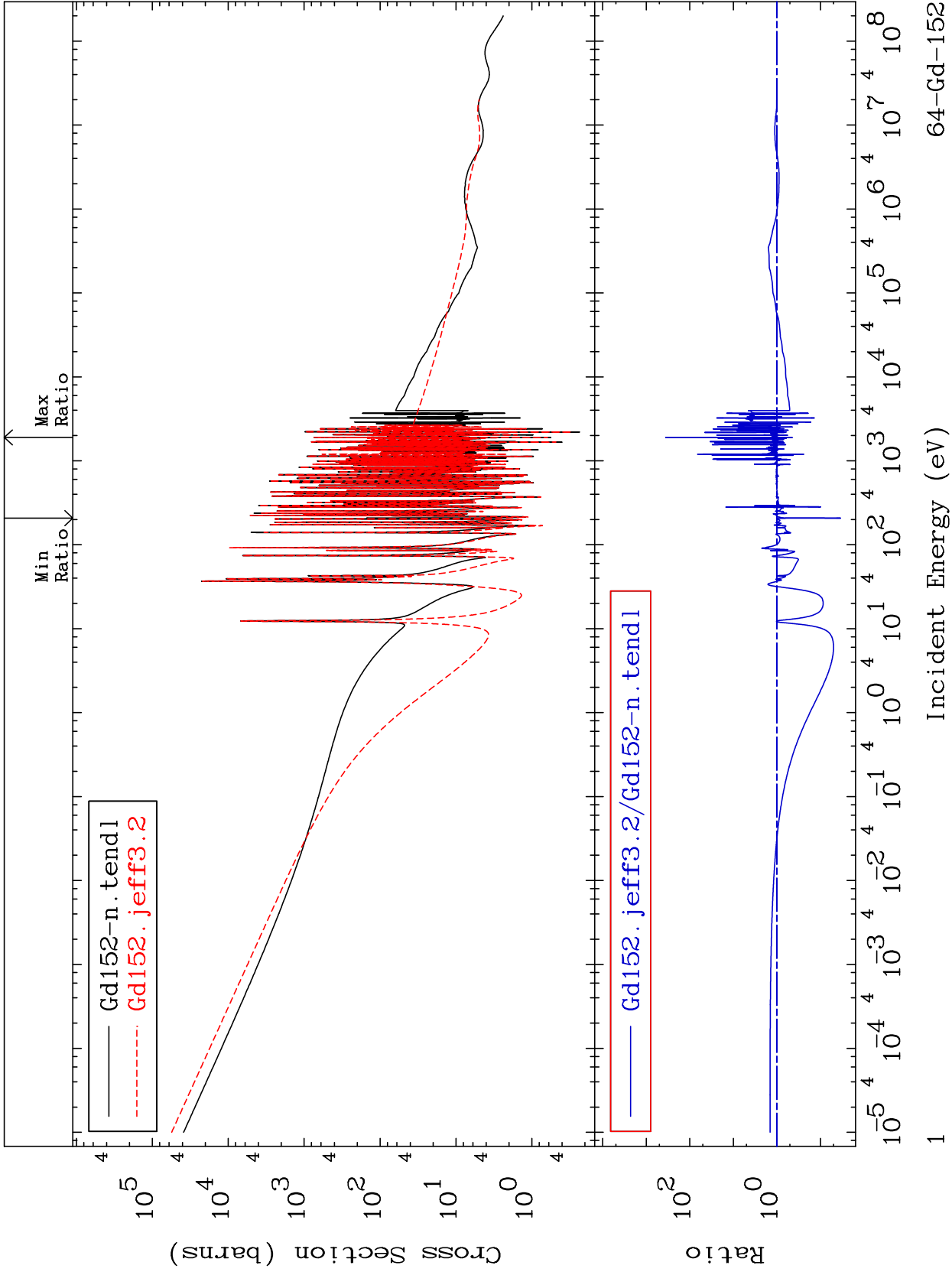


MAT 6425

Total  
Cross Section

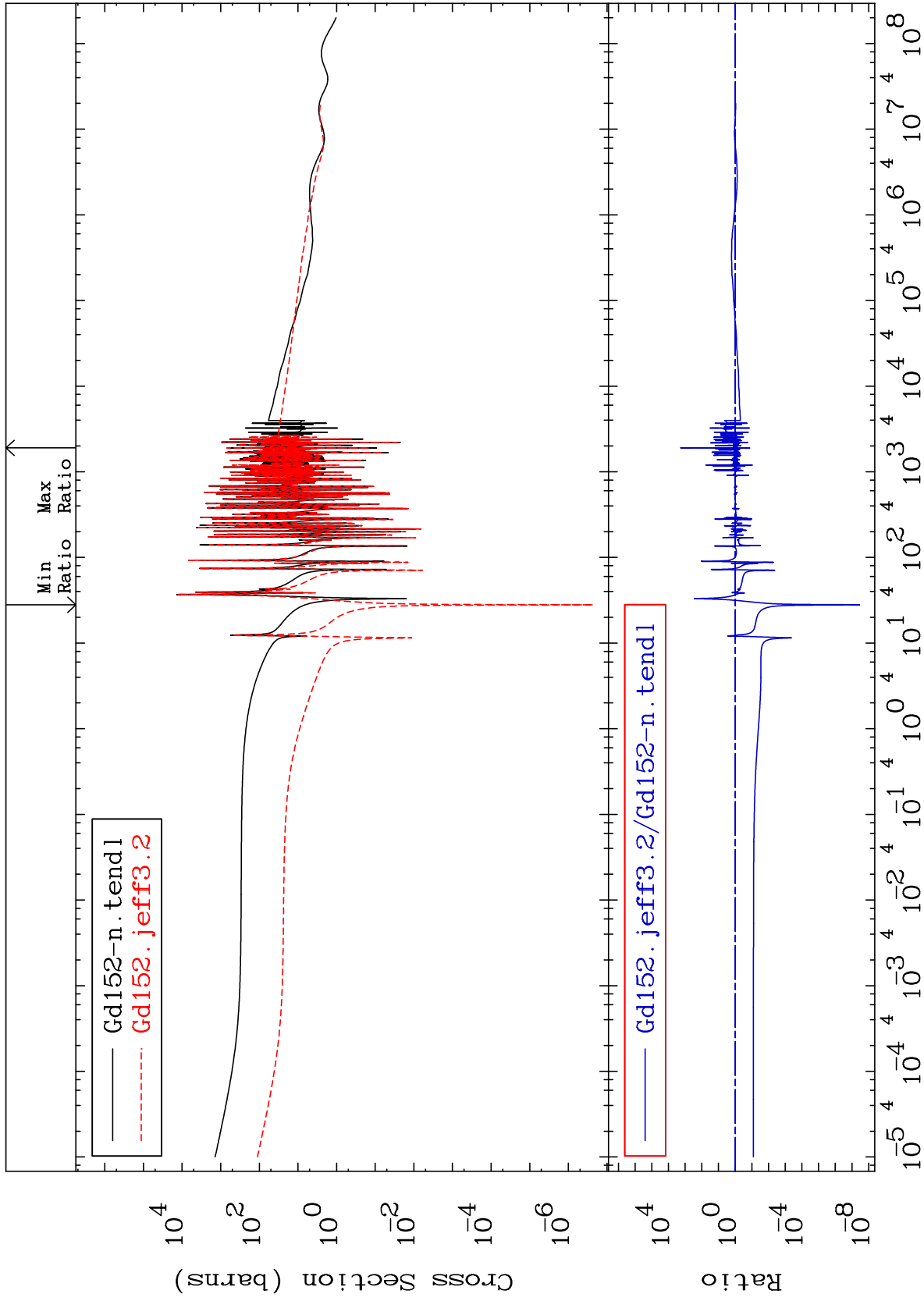
64-Gd-152  
-96.57 To 9999. %



64-Gd-152

MAT 6425

Elastic Cross Section  
64-Gd-152  
-100.0 To 9999. %

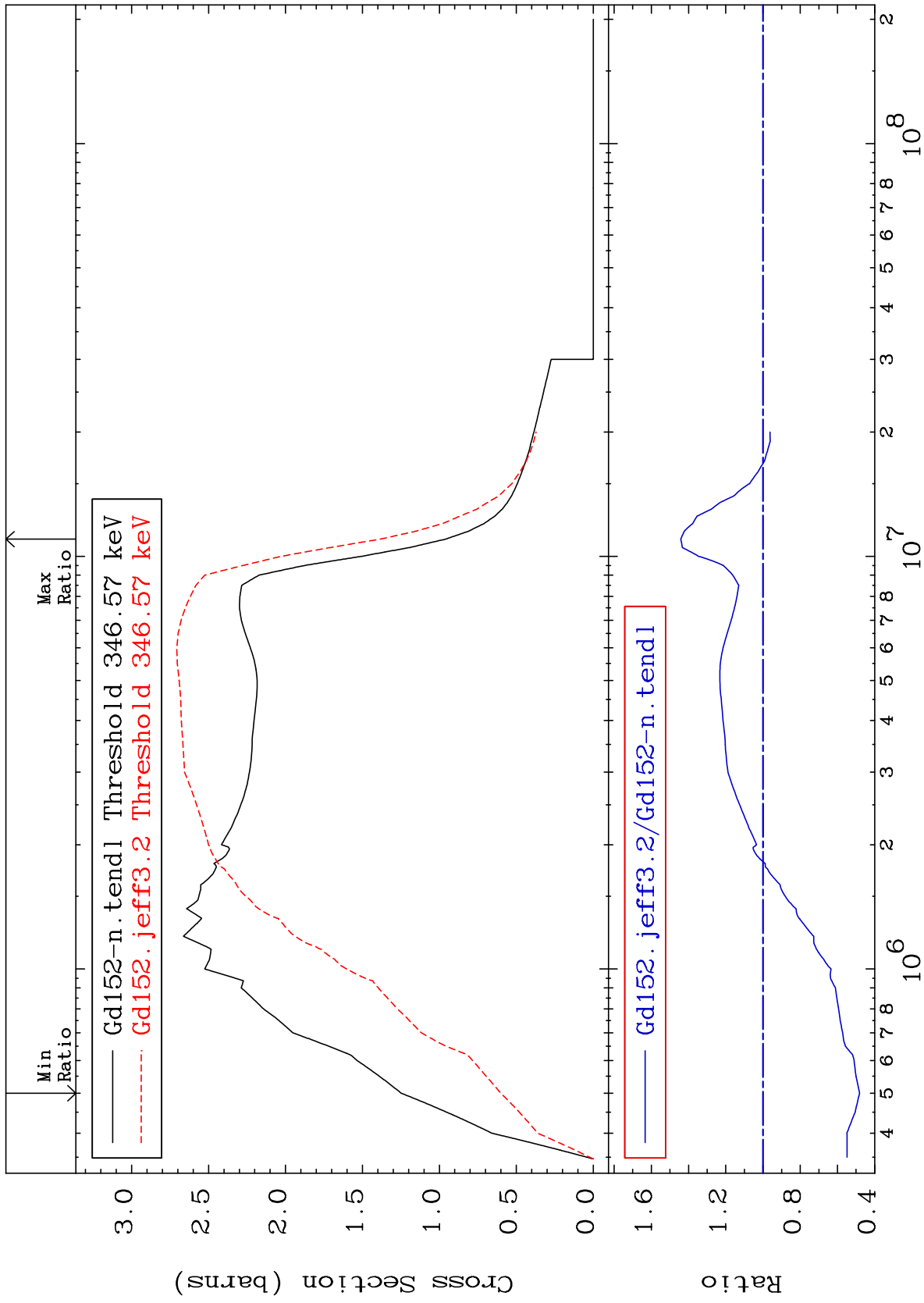


64-Gd-152

Incident Energy (eV)

2

MAT 6425 Inelastic 64-Gd-152  
Cross Section -51.86 To 44.18 %



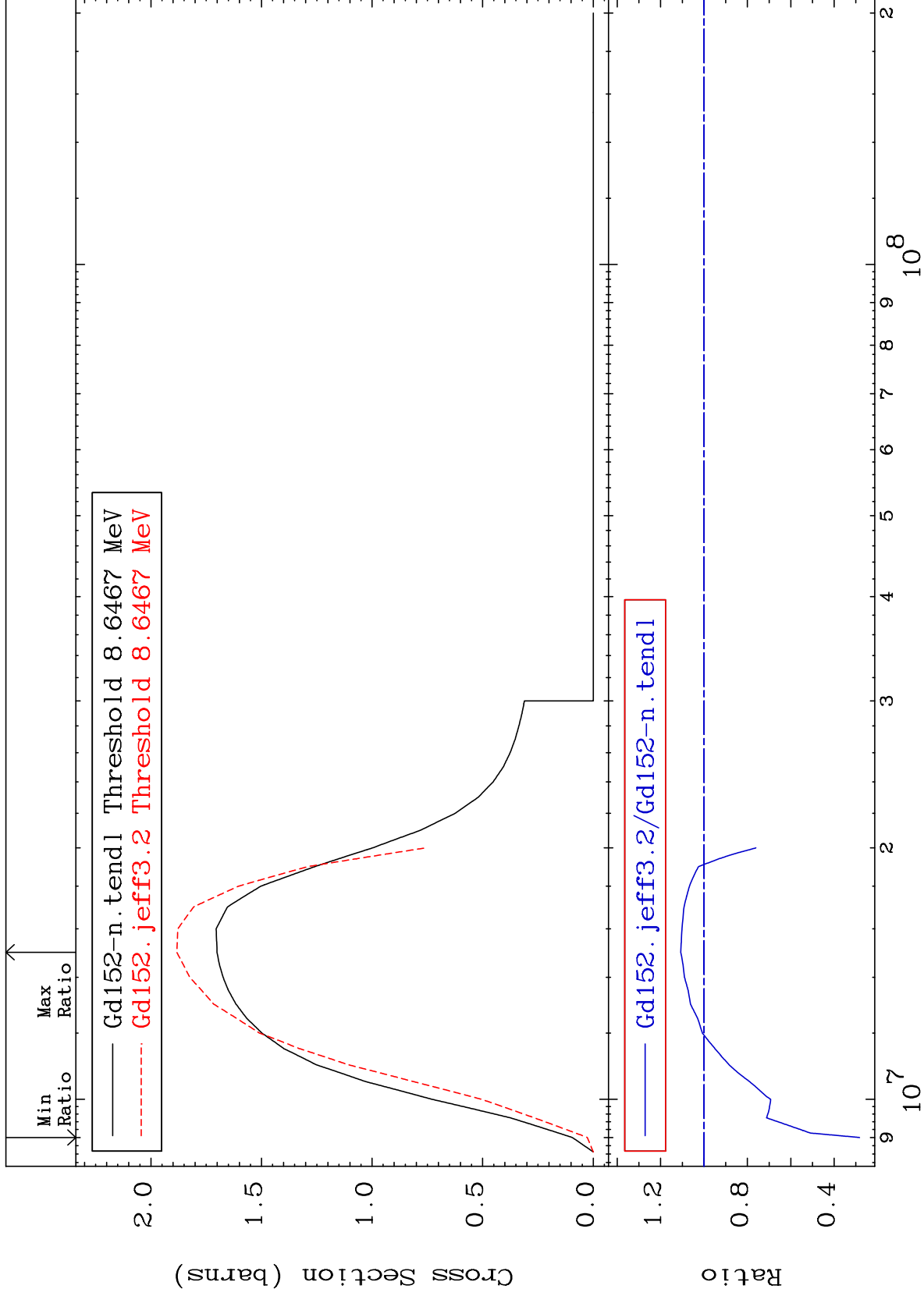
MAT 6425

(n,2n)

64-Gd-152

Cross Section

-71.69 To 10.72 %



64-Gd-152

4

MAT 6425

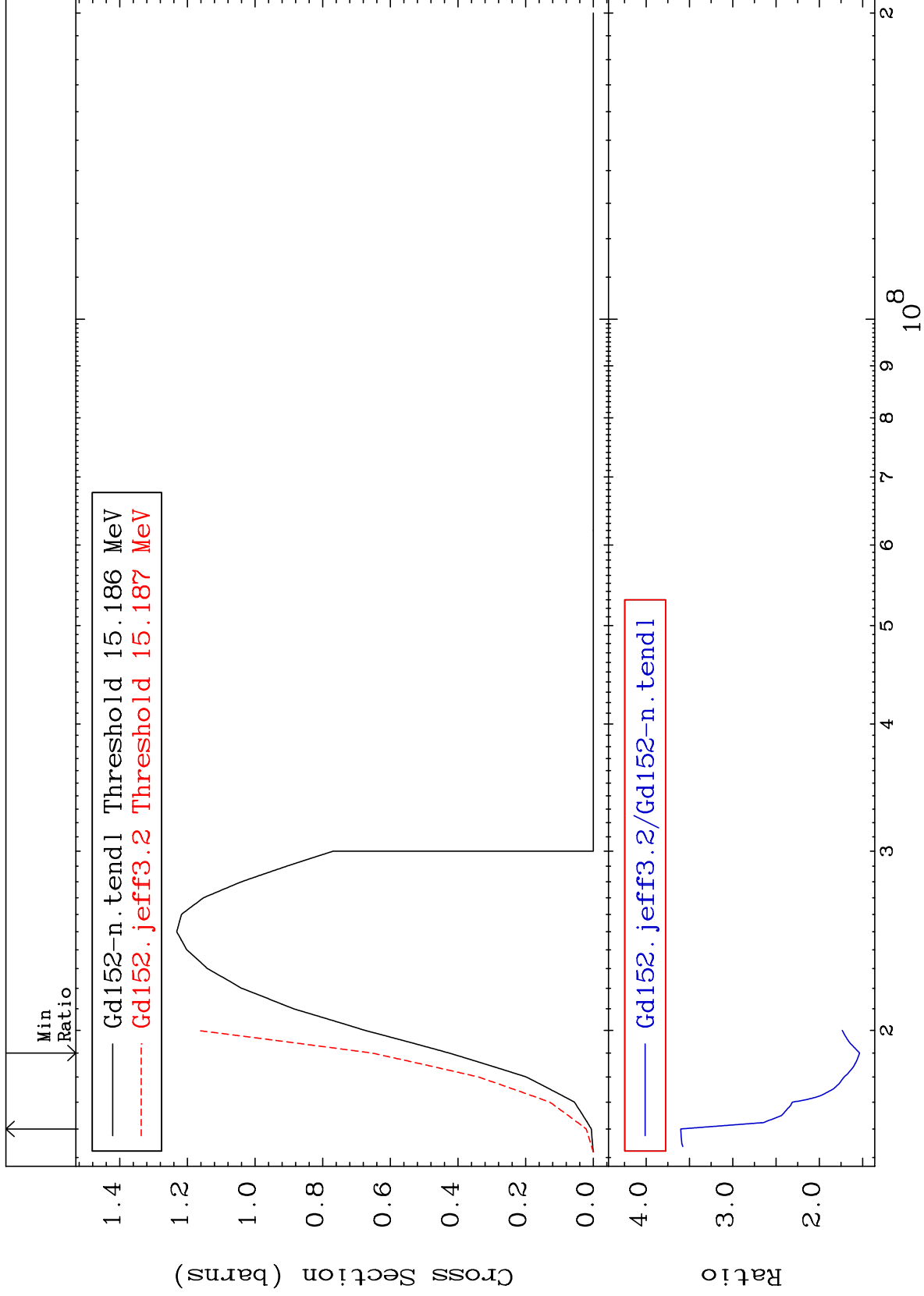
(n,3n)

64-Gd-152

Cross Section

53.53

To 260.1 %



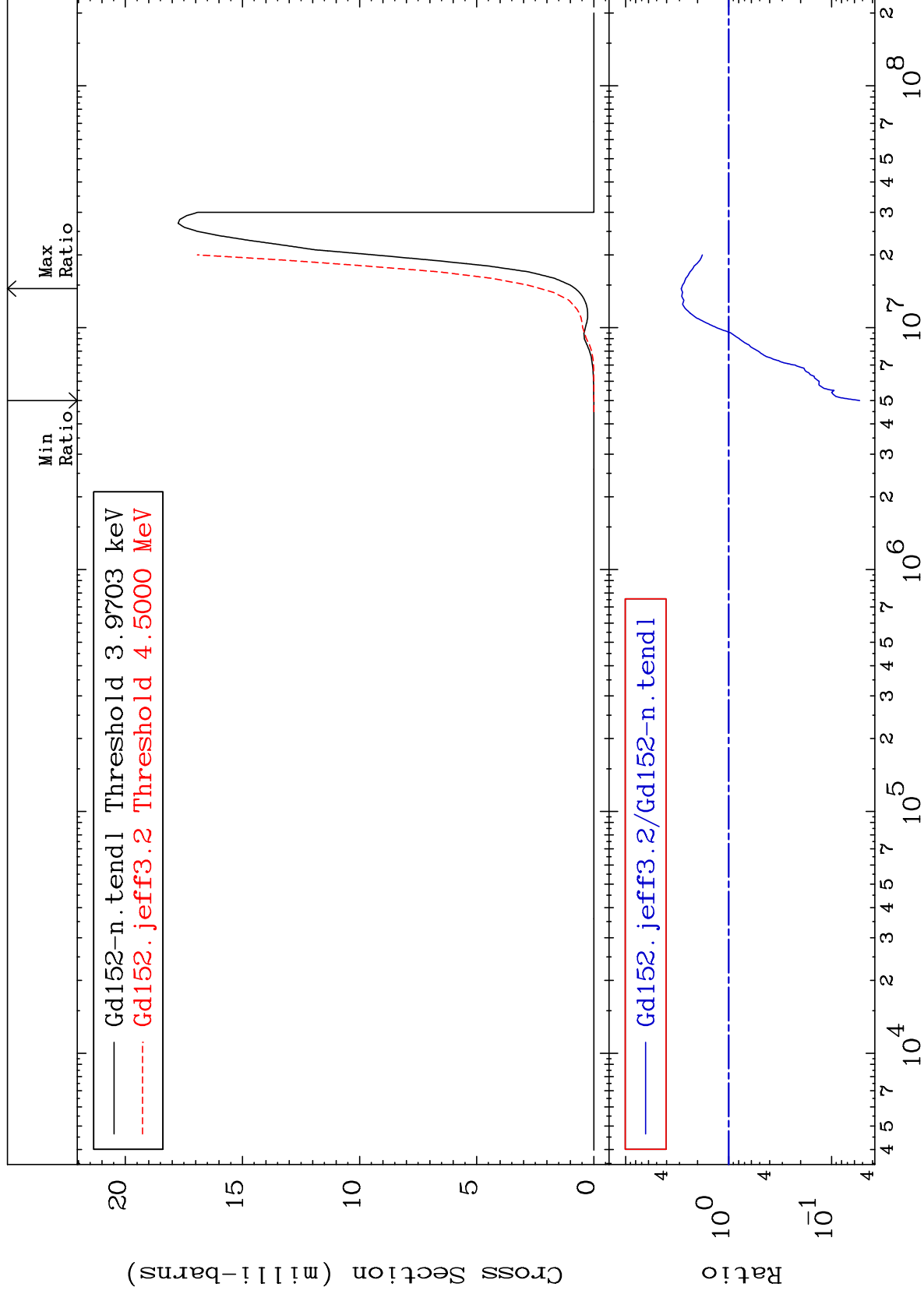
MAT 6425

(n, n')  $\alpha$

Cross Section

64-Gd-152

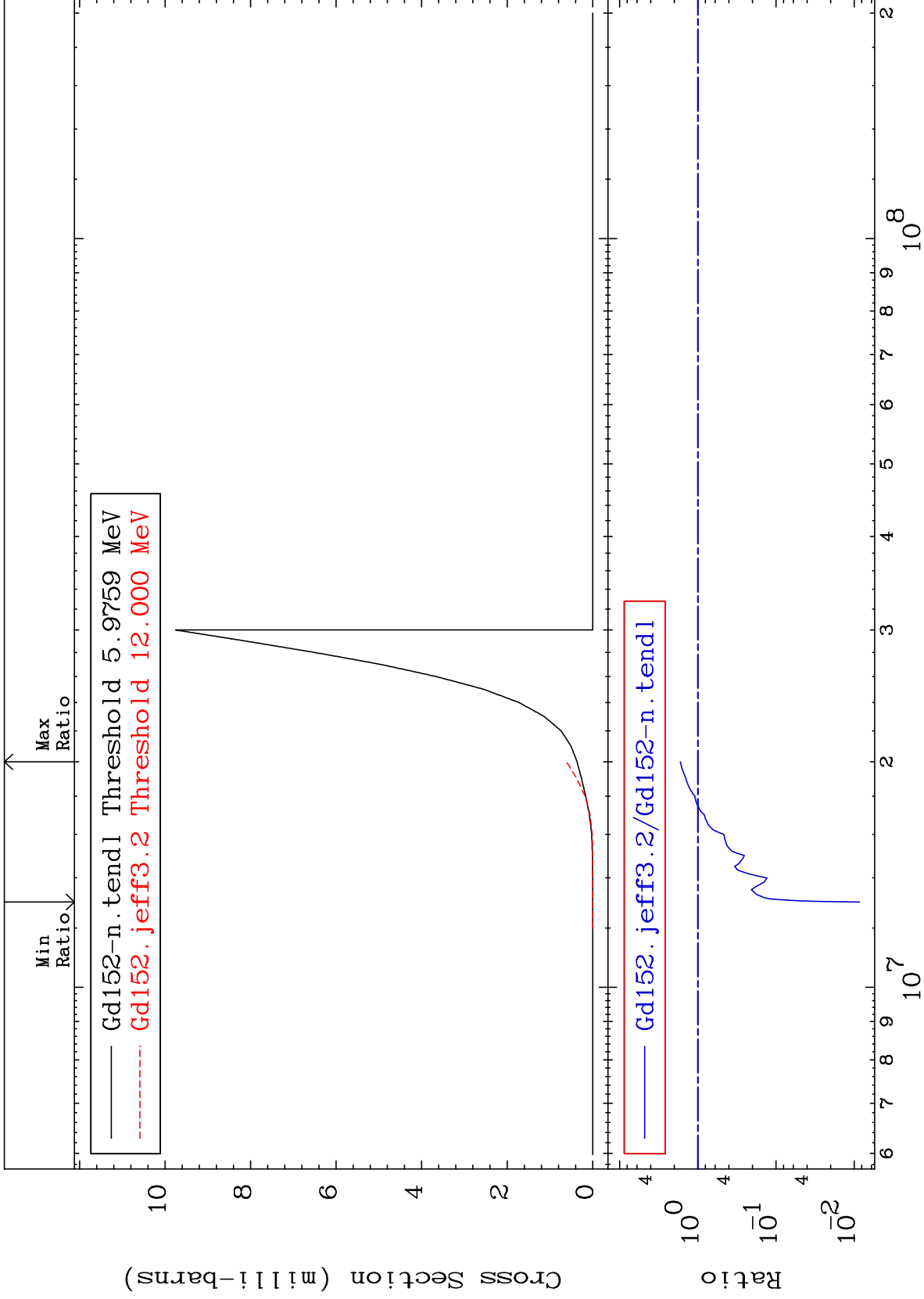
-94.67 To 189.1 %



MAT 6425

(n,2n)  $\alpha$   
Cross Section

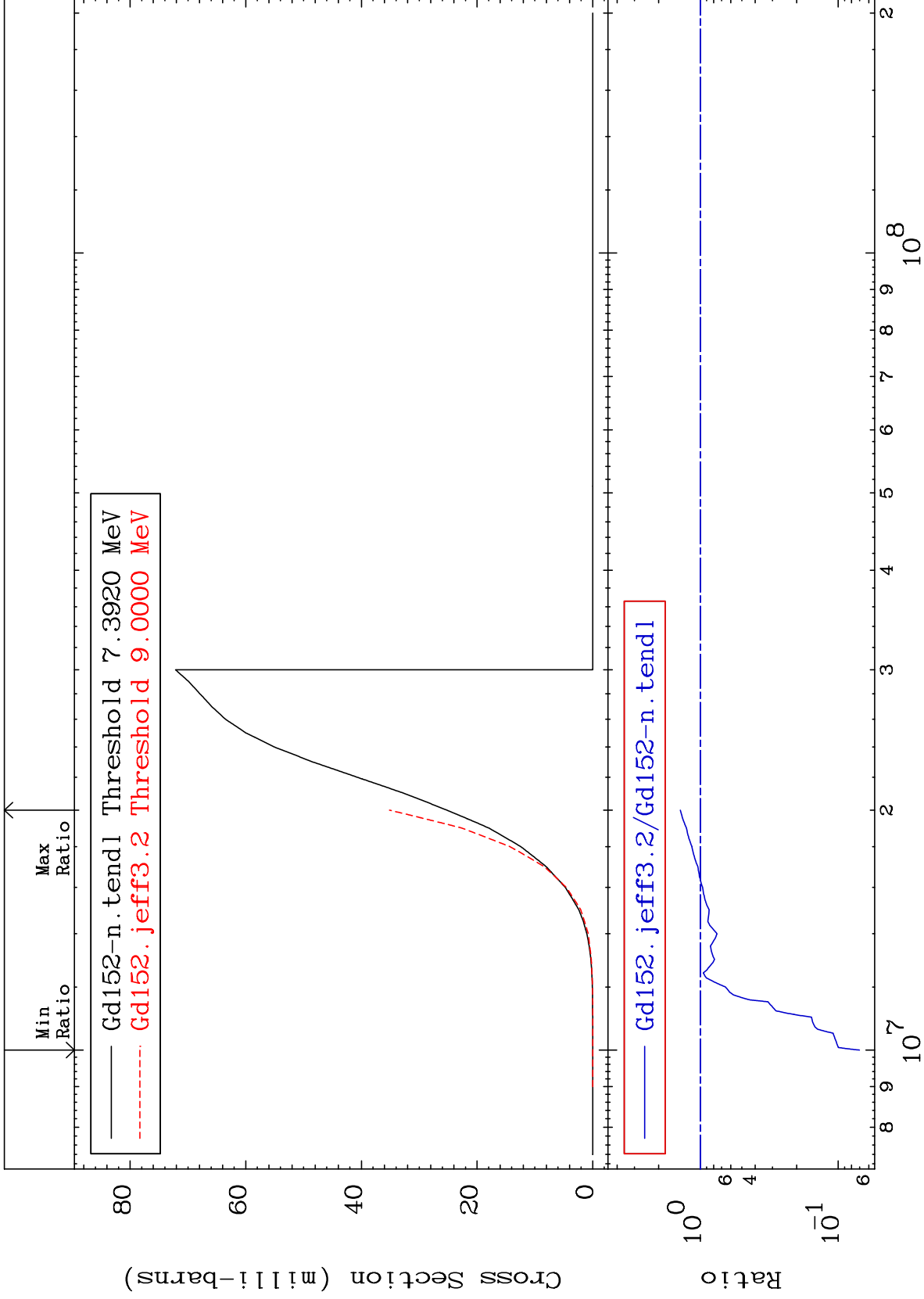
64-Gd-152  
-99.14 To 67.16 %



MAT 6425

(n,n') p  
Cross Section

64-Gd-152  
-92.98 To 39.35 %



8

Incident Energy (eV)

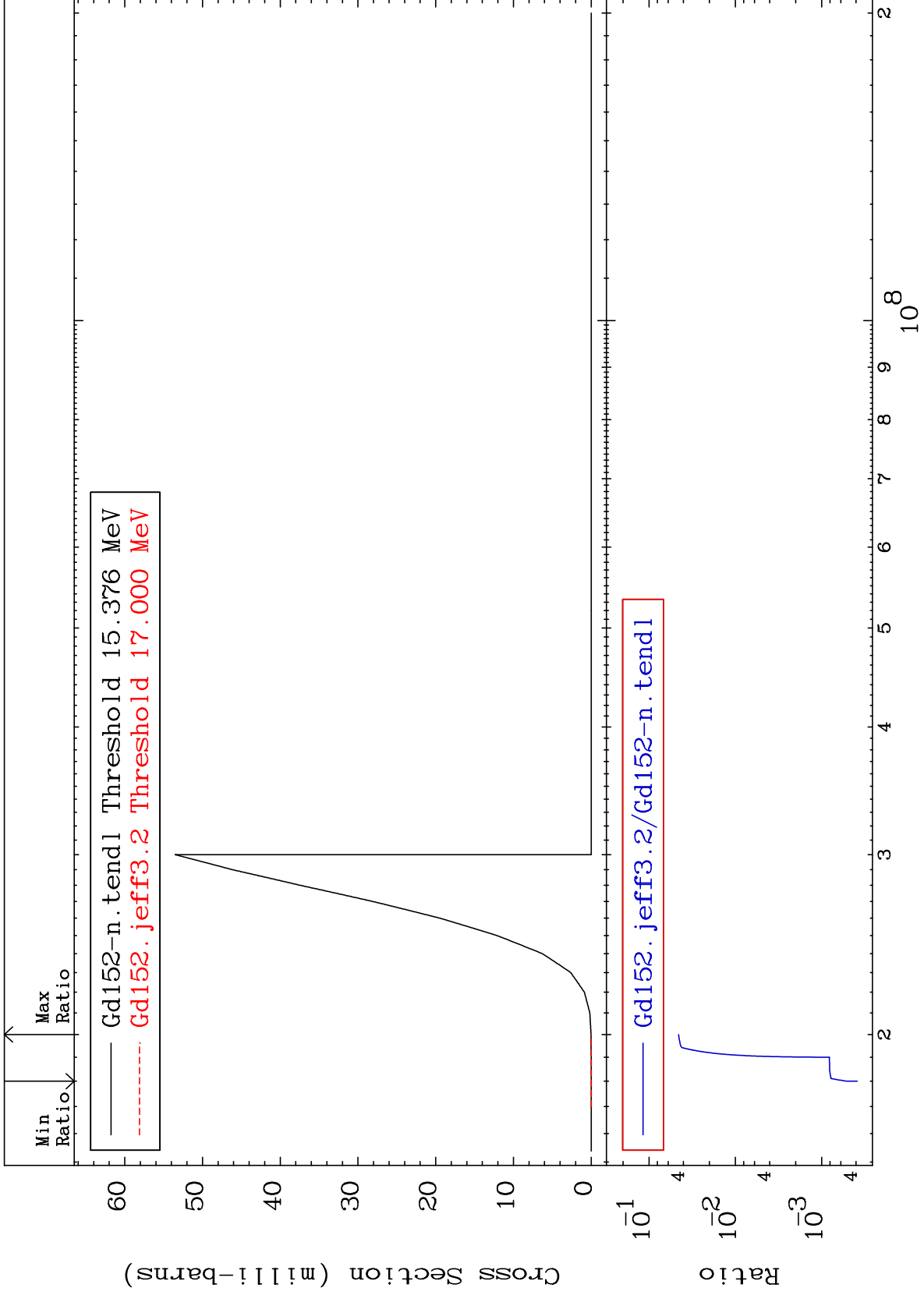
64-Gd-152



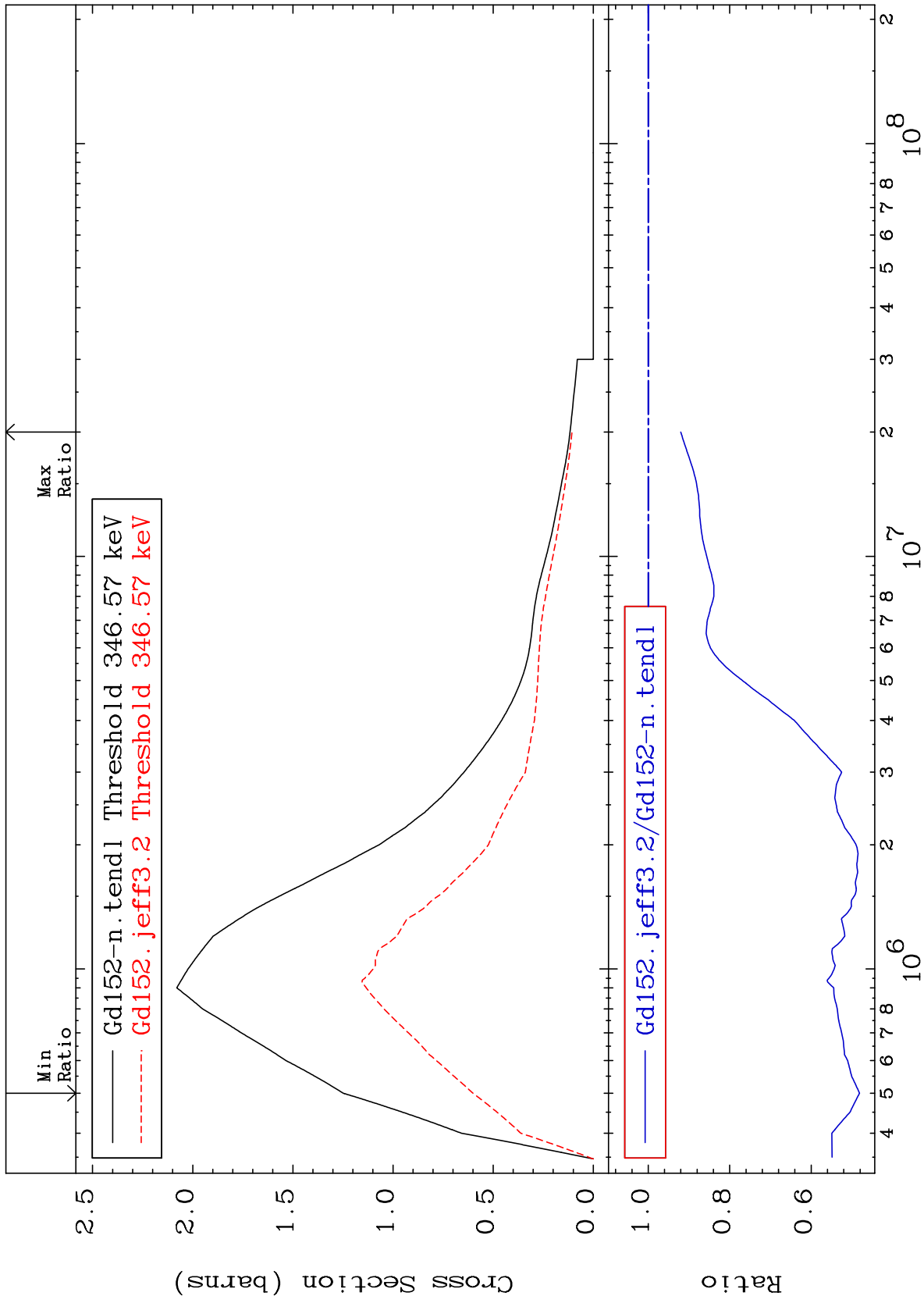
MAT 6425

(n,2n) p  
Cross Section

64-Gd-152  
-99.96 To -95.45%

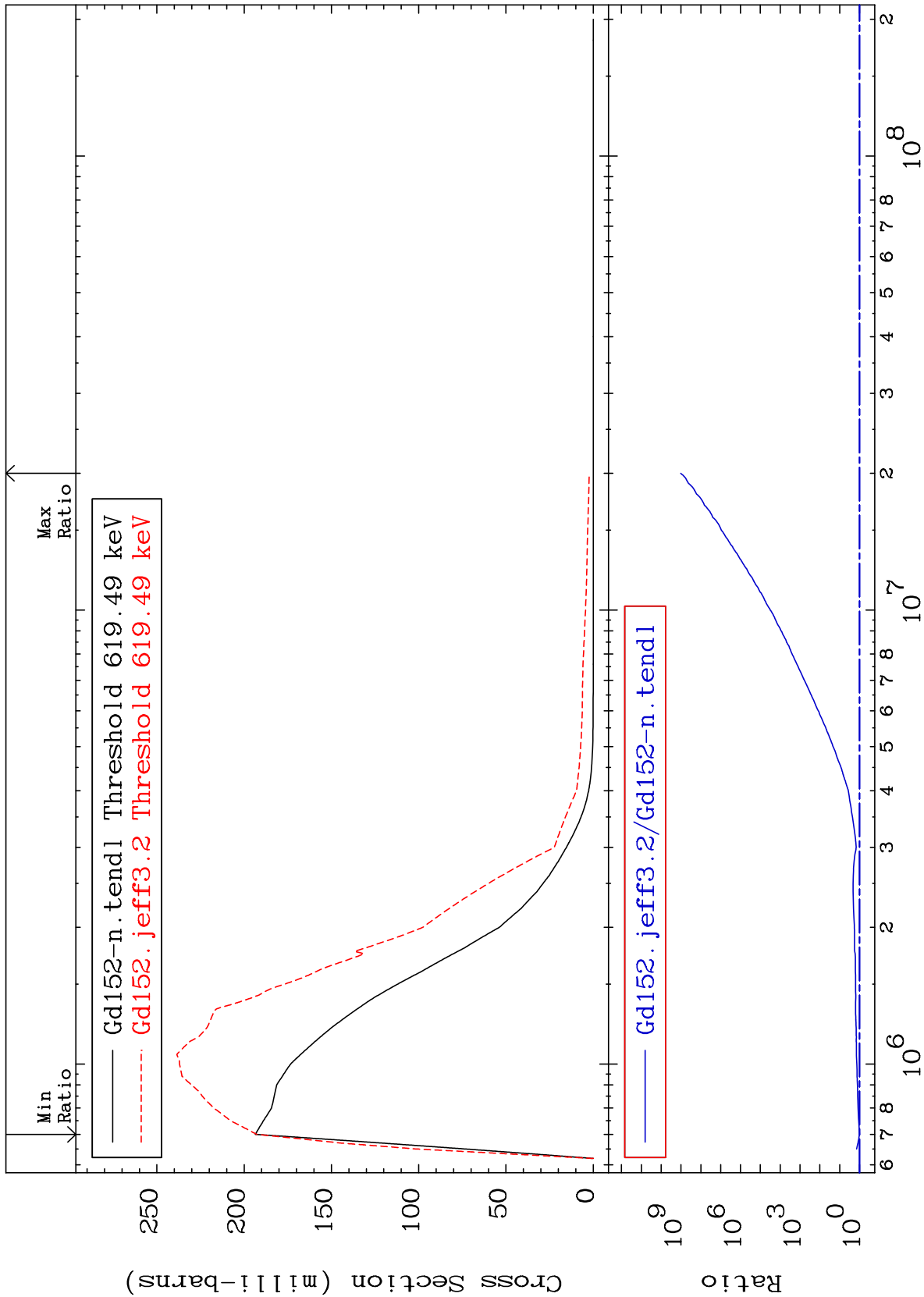


MAT 6425 64-Gd-152  
 344.3 keV (n,n') Level -51.87 To -7.992%  
 Cross Section



10 64-Gd-152

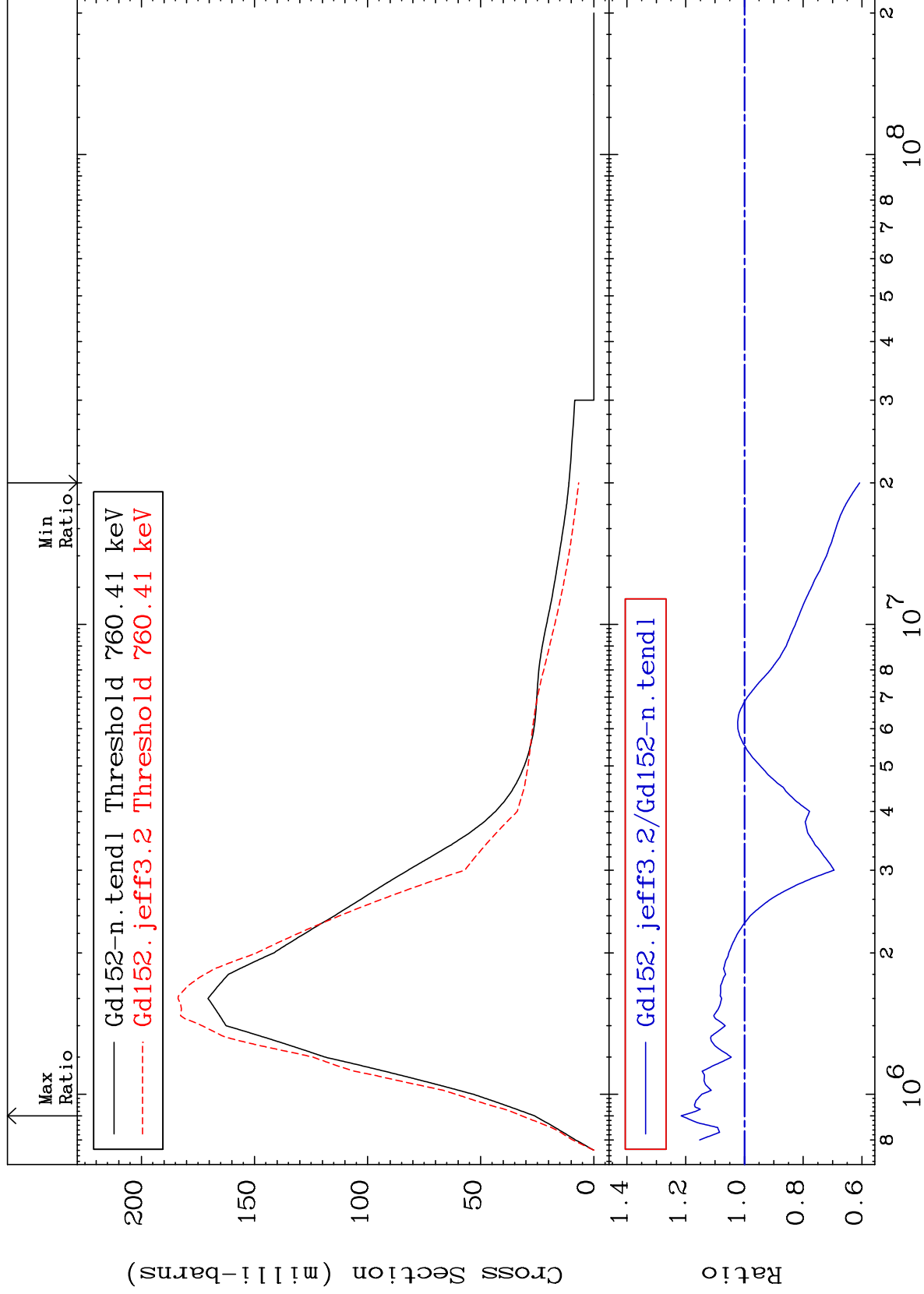
MAT 6425      615.4 keV (n,n') Level      64-Gd-152  
 Cross Section      -0.406 To 9999. %



MAT 6425

755.4 keV (n,n') Level  
Cross Section

64-Gd-152  
-39.21 To 21.54 %



12

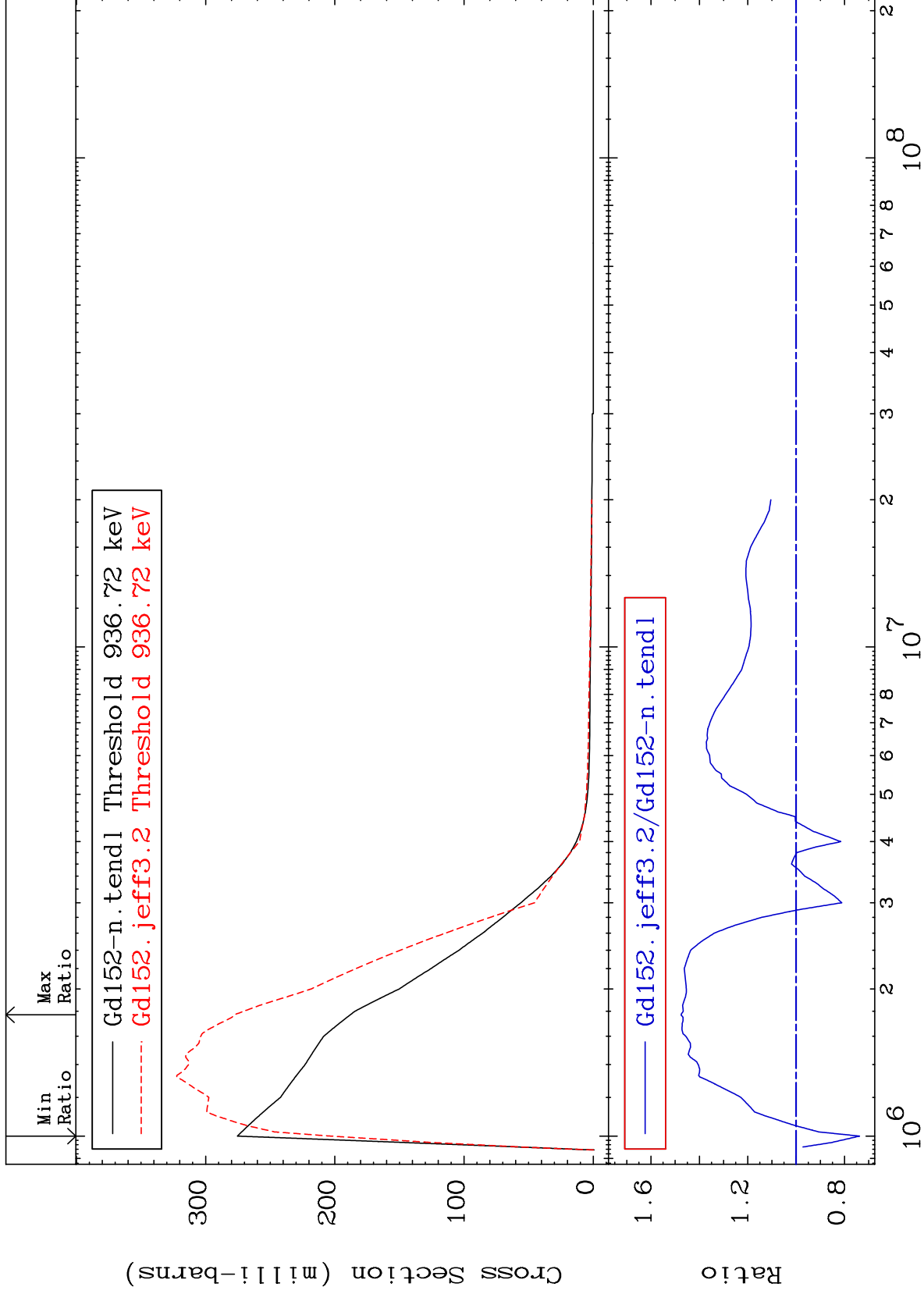
Incident Energy (eV)

64-Gd-152

MAT 6425

930.5 keV (n,n') Level  
Cross Section

64-Gd-152  
-26.21 To 47.70 %



13

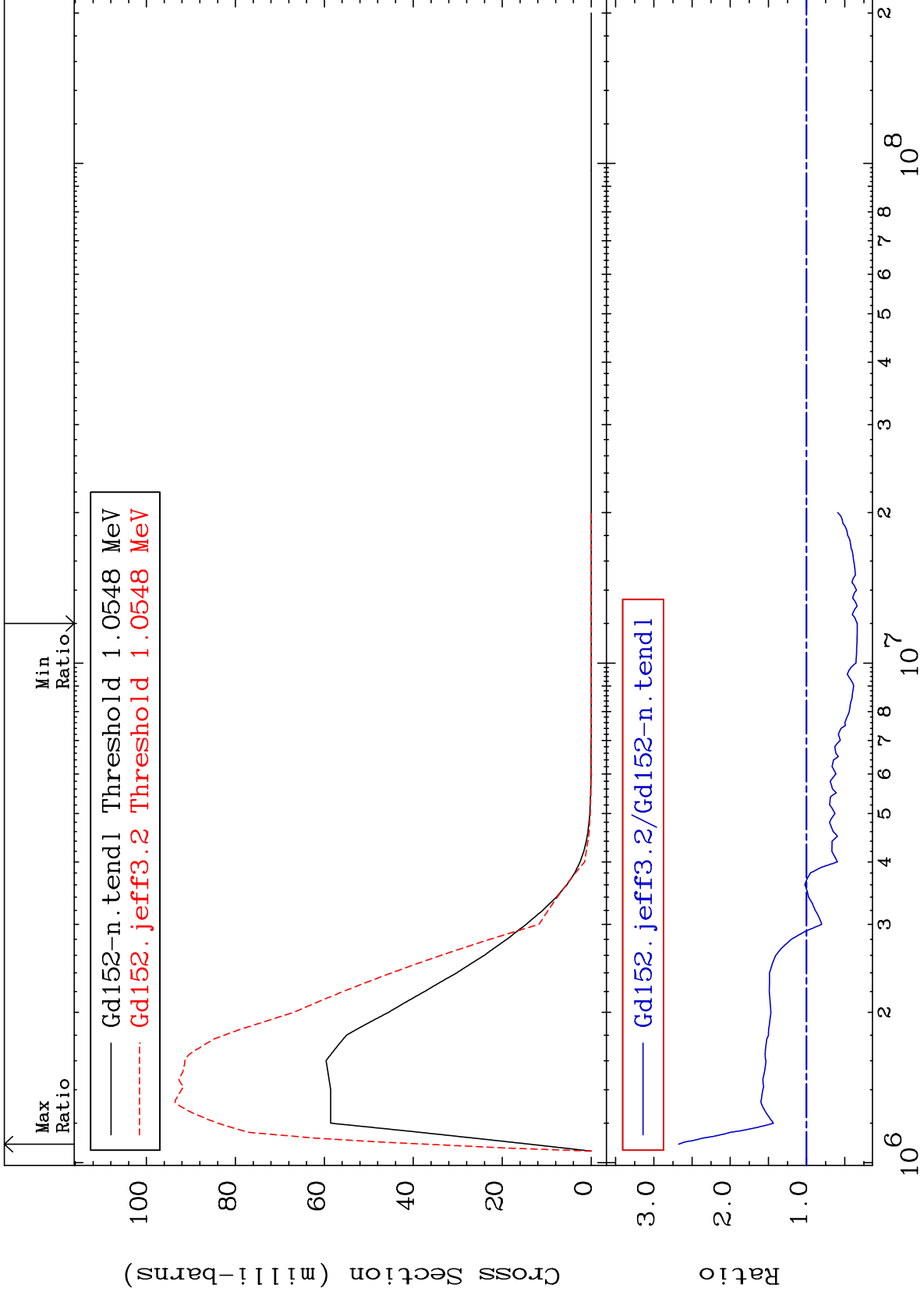
Incident Energy (eV)

64-Gd-152

MAT 6425

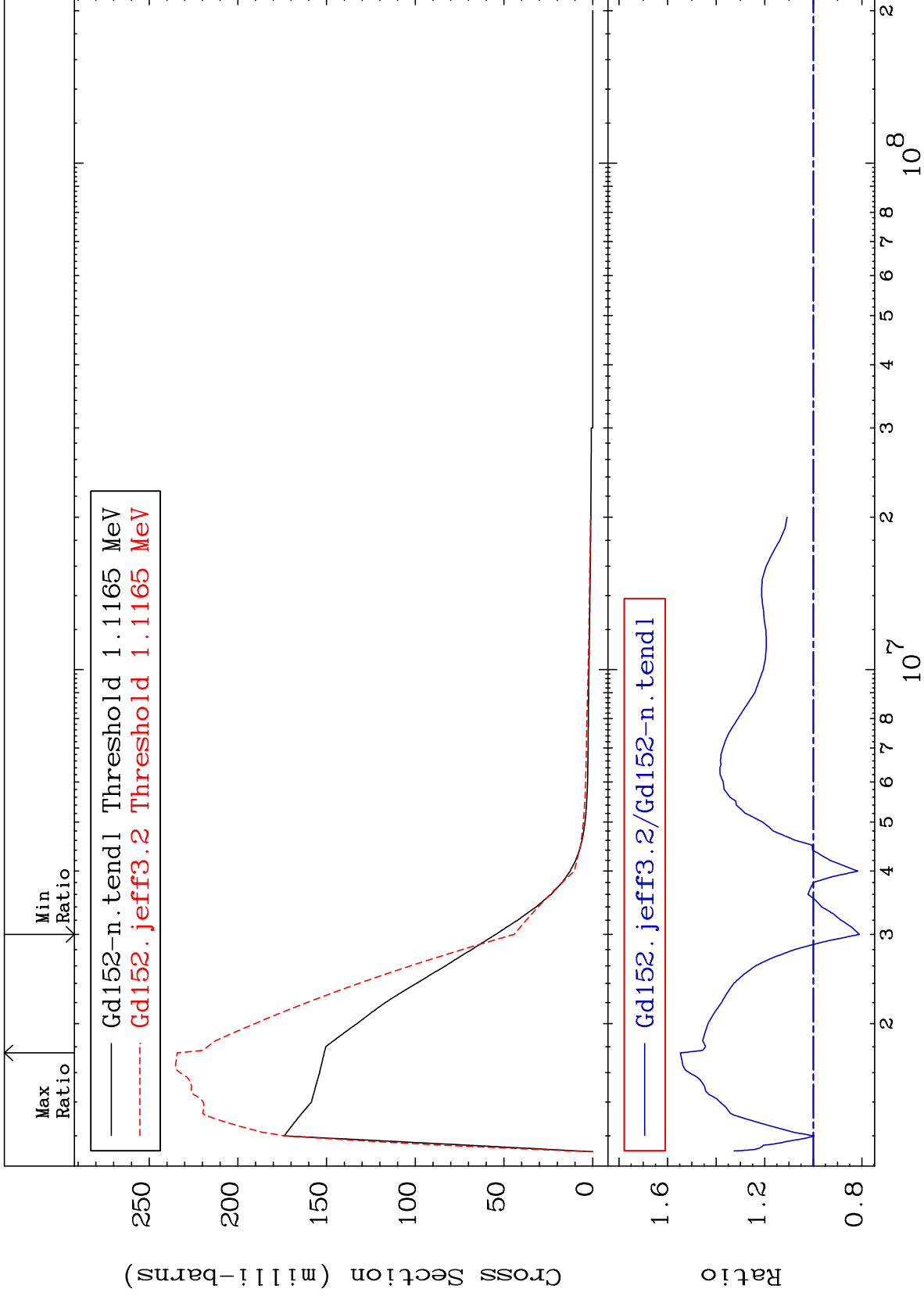
1.048 MeV (n,n') Level  
Cross Section

64-Gd-152  
-66.34 To 167.5 %



14

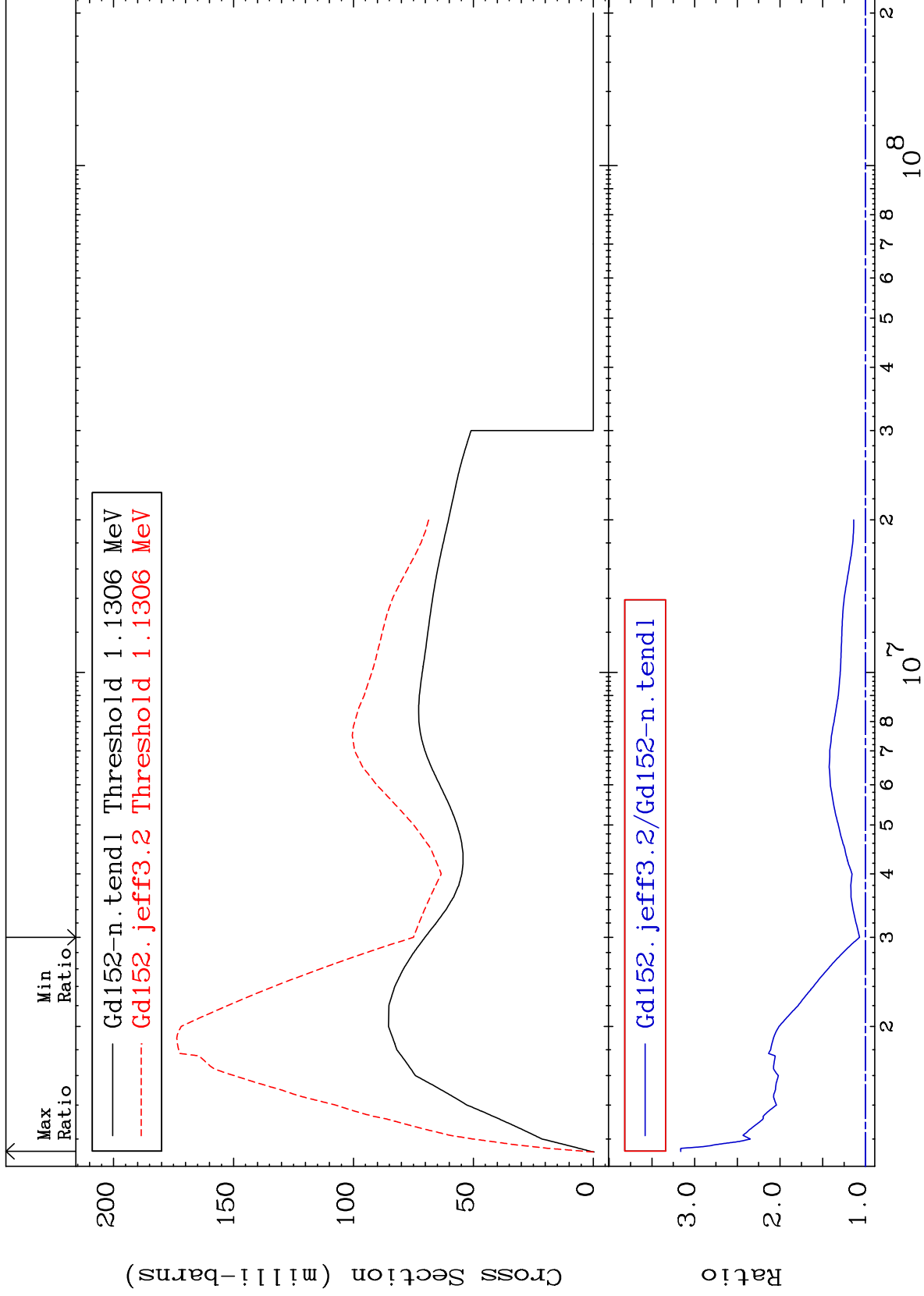
64-Gd-152



MAT 6425

1.123 MeV (n,n') Level  
Cross Section

64-Gd-152  
6.896 To 216.2 %

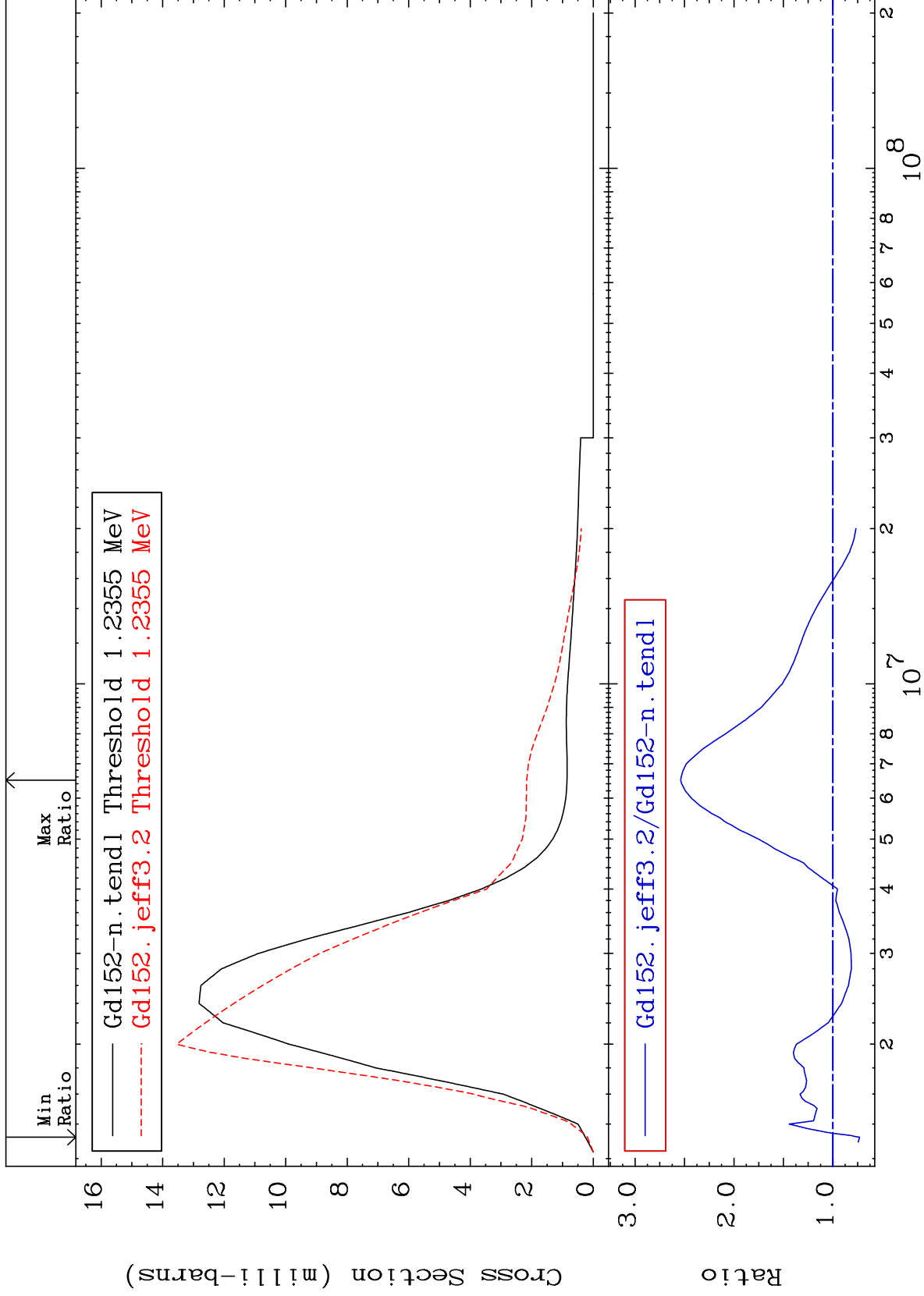




MAT 6425

1.227 MeV (n,n') Level  
Cross Section

64-Gd-152  
-26.94 To 153.8 %



17

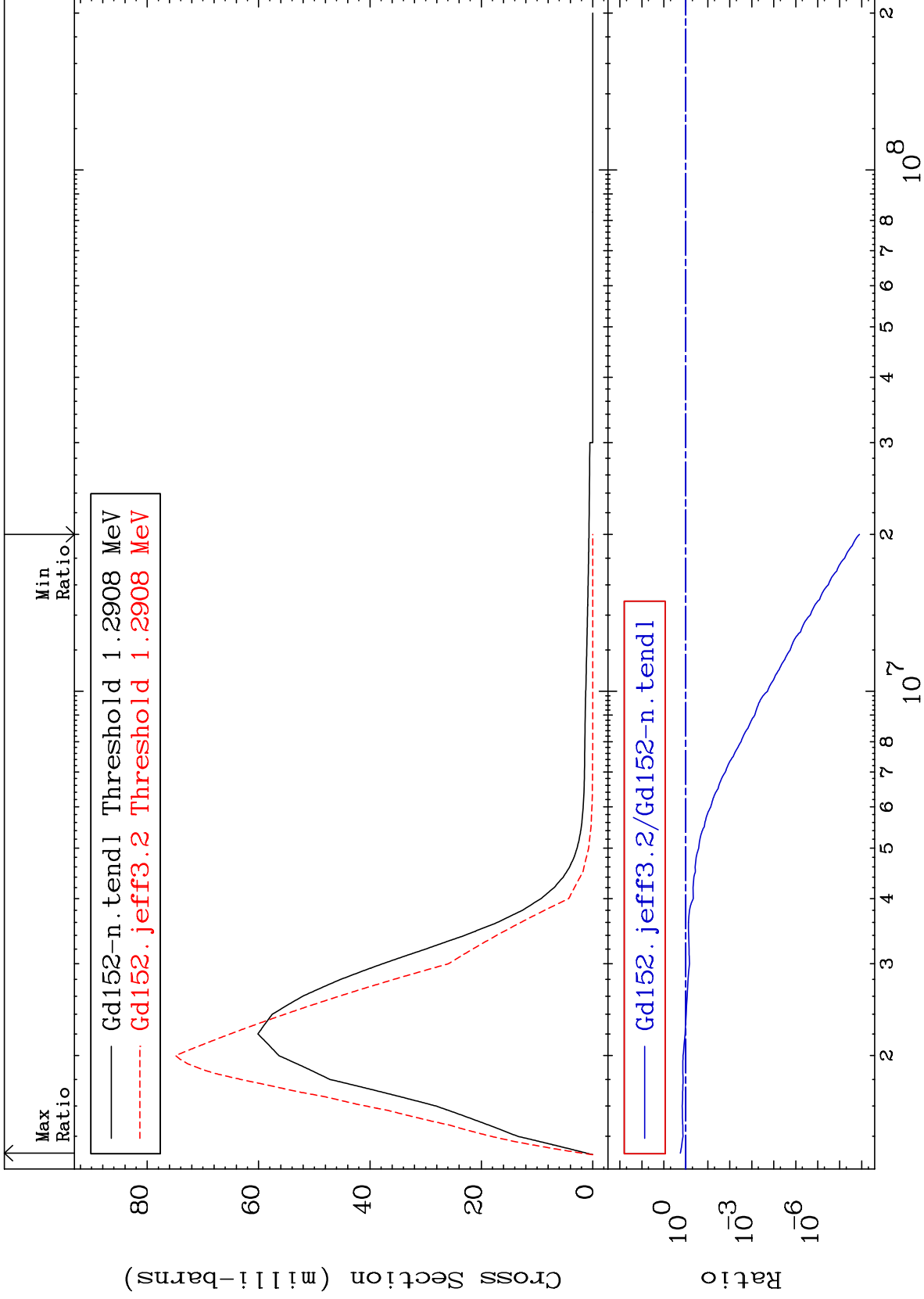
Incident Energy (eV)

64-Gd-152

MAT 6425

1.282 MeV (n,n') Level  
Cross Section

64-Gd-152  
-100.0 To 77.24 %



18

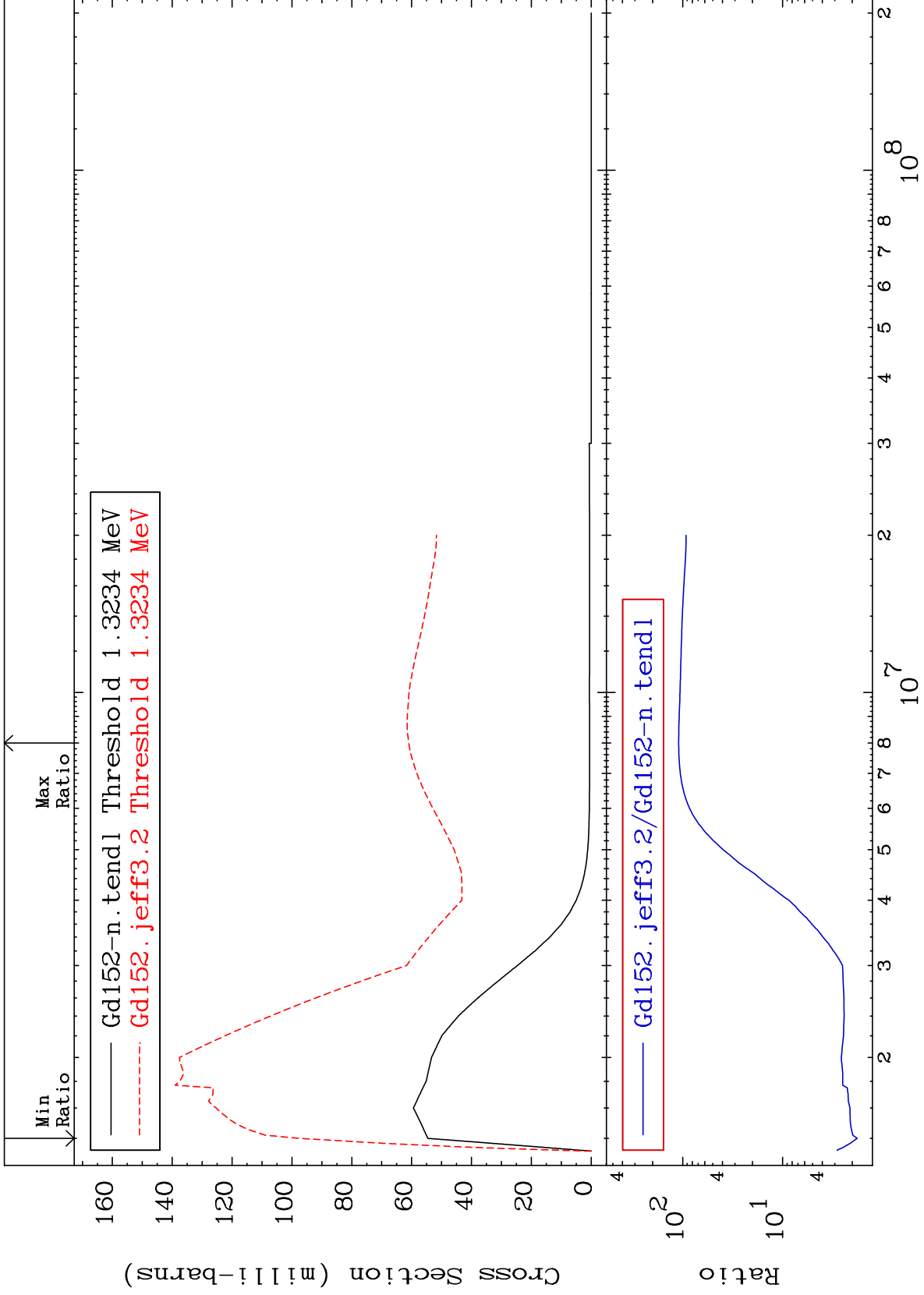
Incident Energy (eV)

64-Gd-152

MAT 6425

1.315 MeV (n,n') Level  
Cross Section

64-Gd-152  
78.55 To 9999. %



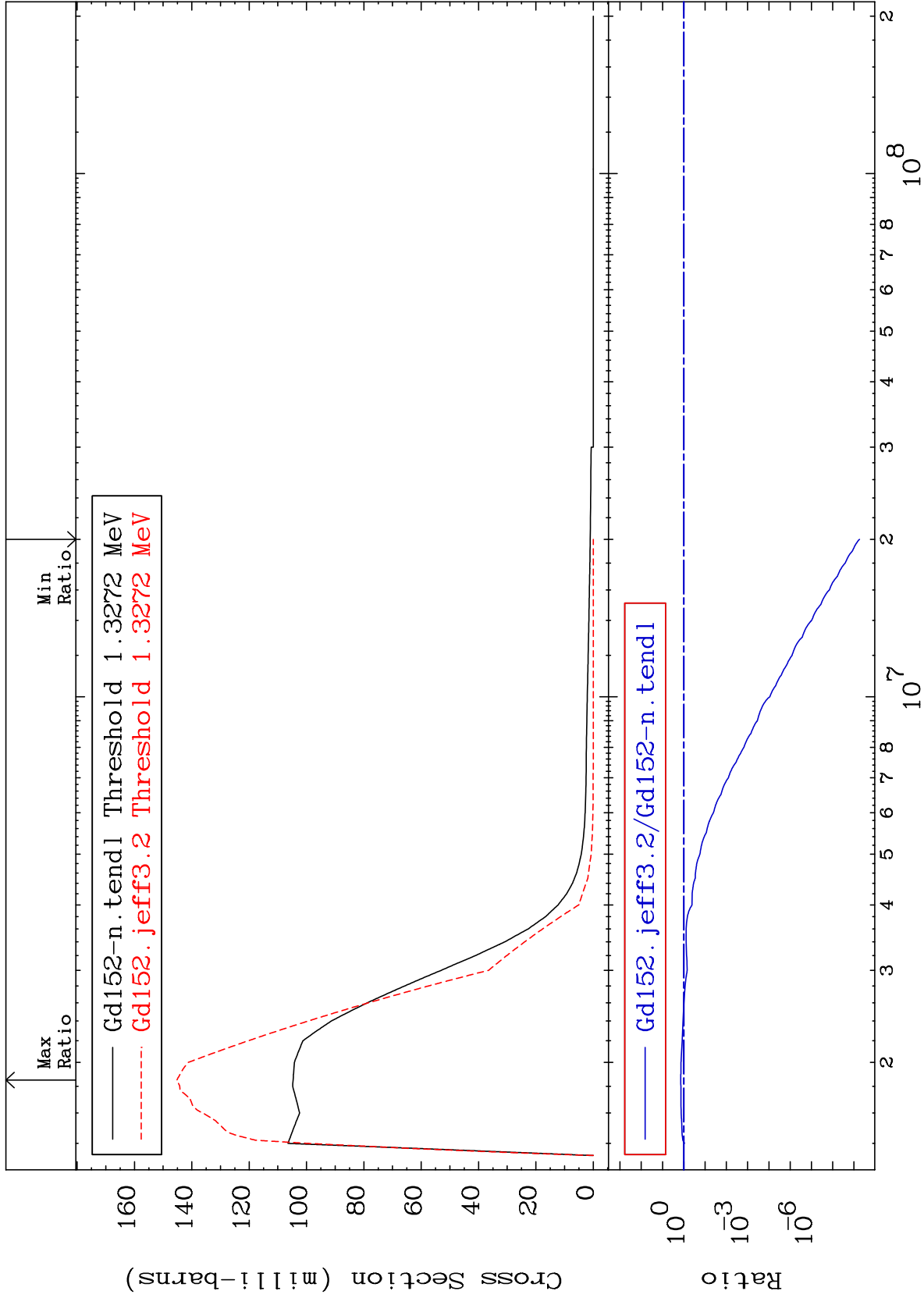
MAT 6425

1.318 MeV (n,n') Level

64-Gd-152

-100.0 To 38.75 %

Cross Section



20

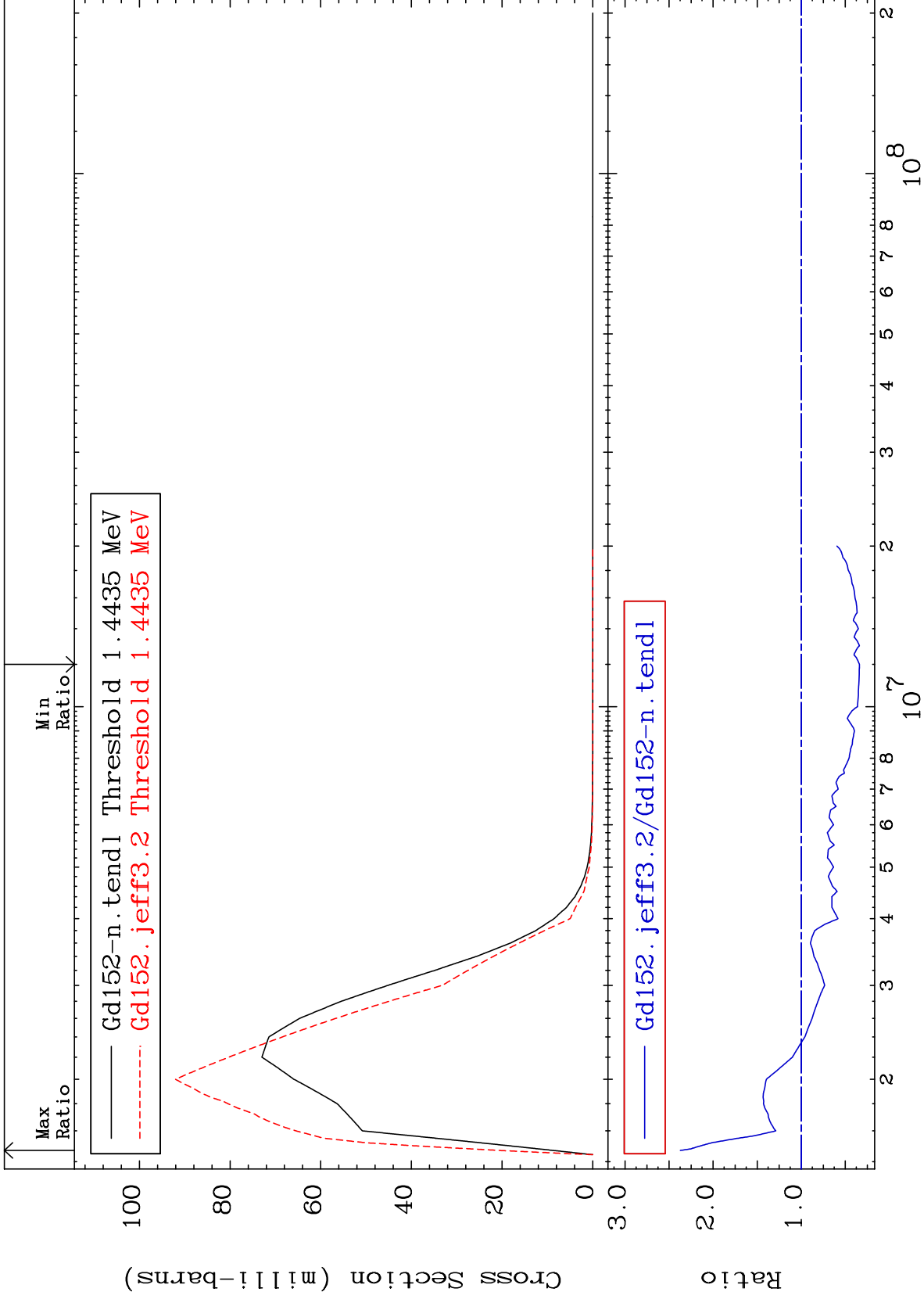
Incident Energy (eV)

64-Gd-152

MAT 6425

1.434 MeV (n,n') Level  
Cross Section

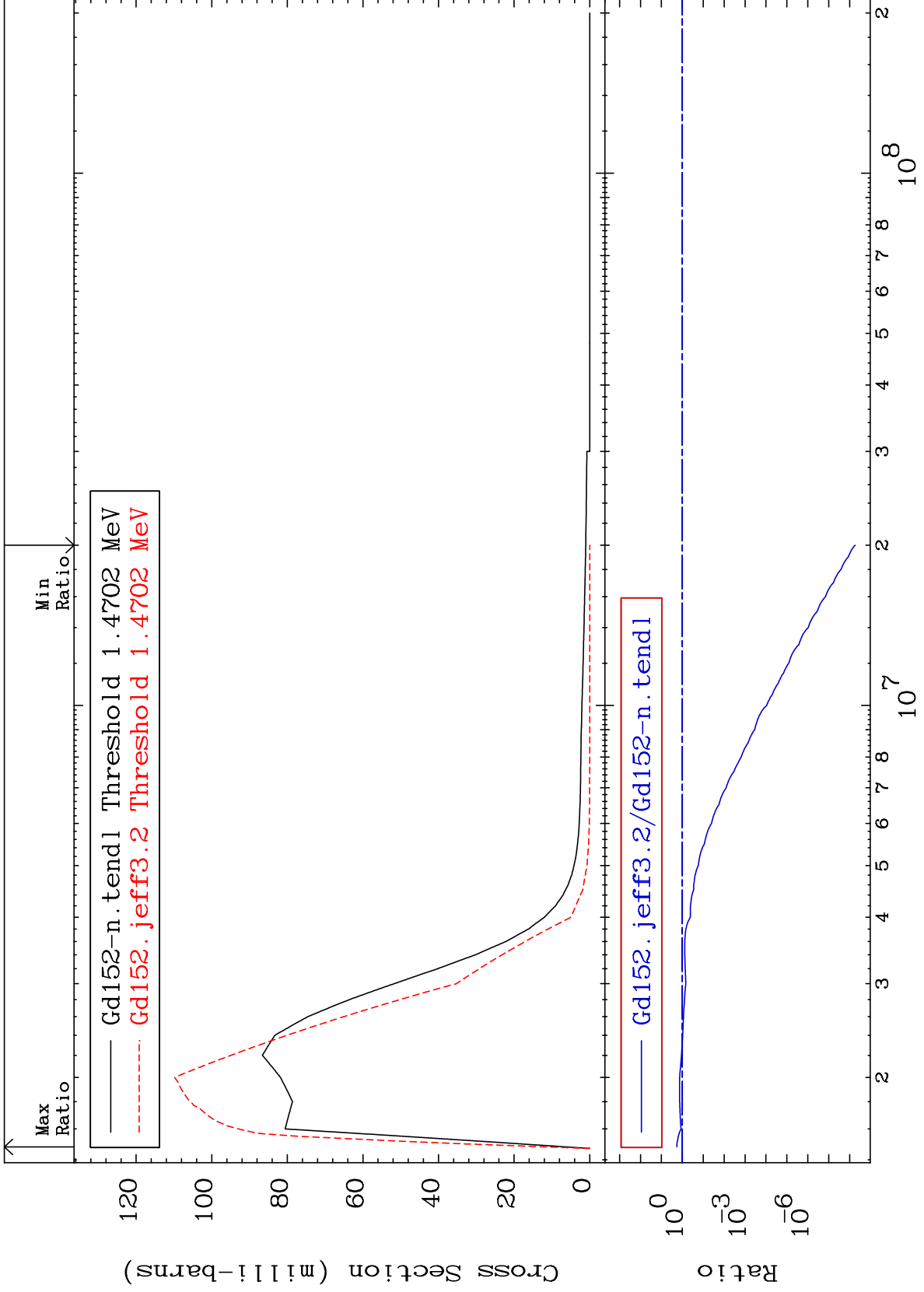
64-Gd-152  
-66.03 To 137.2 %



MAT 6425

1.461 MeV (n,n') Level  
Cross Section

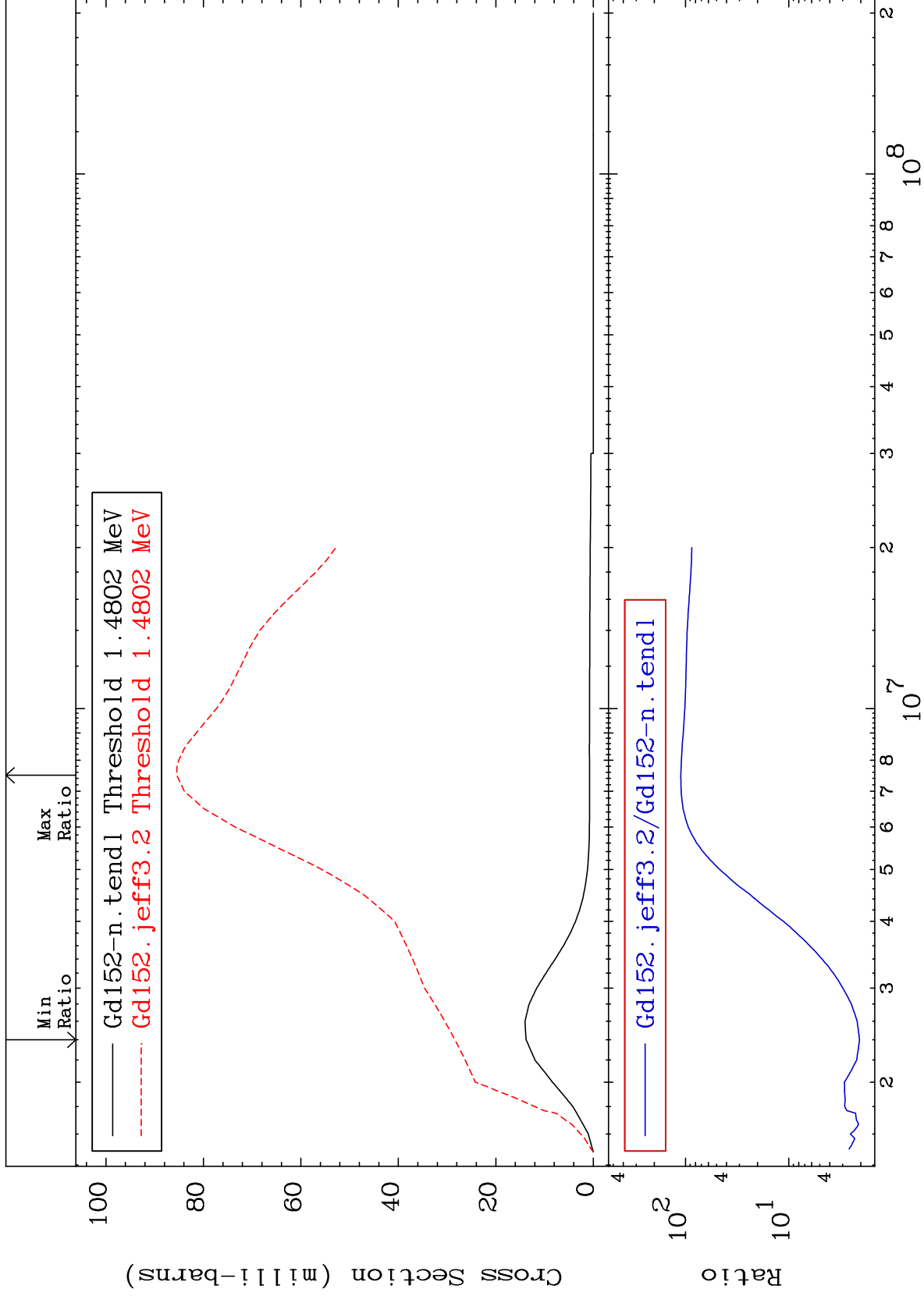
64-Gd-152  
-100.0 To 81.24 %



MAT 6425

1.470 MeV (n,n') Level  
Cross Section

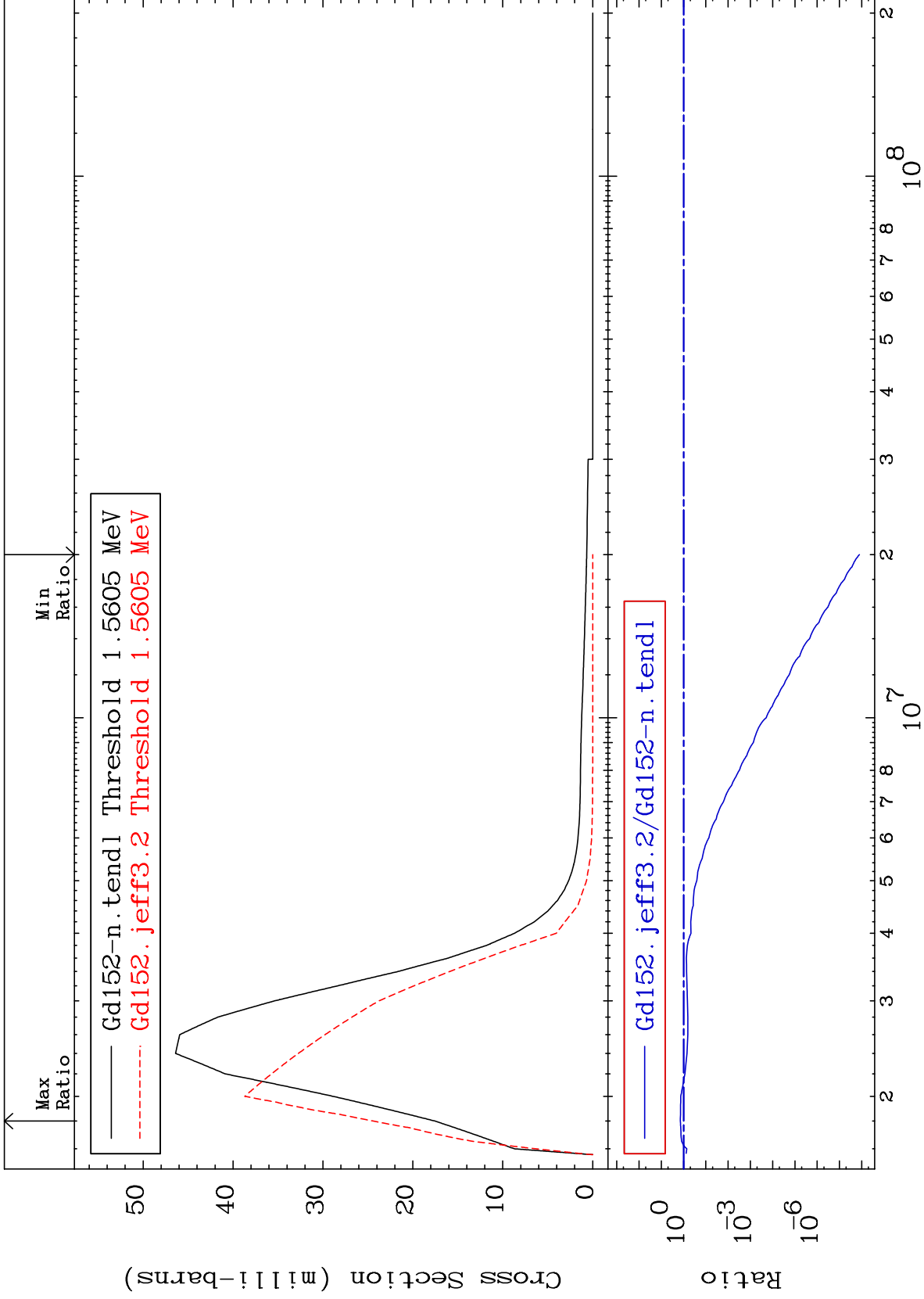
64-Gd-152  
106.1 To 9999. %



MAT 6425

1.550 MeV (n,n') Level  
Cross Section

64-Gd-152  
-100.0 To 39.26 %

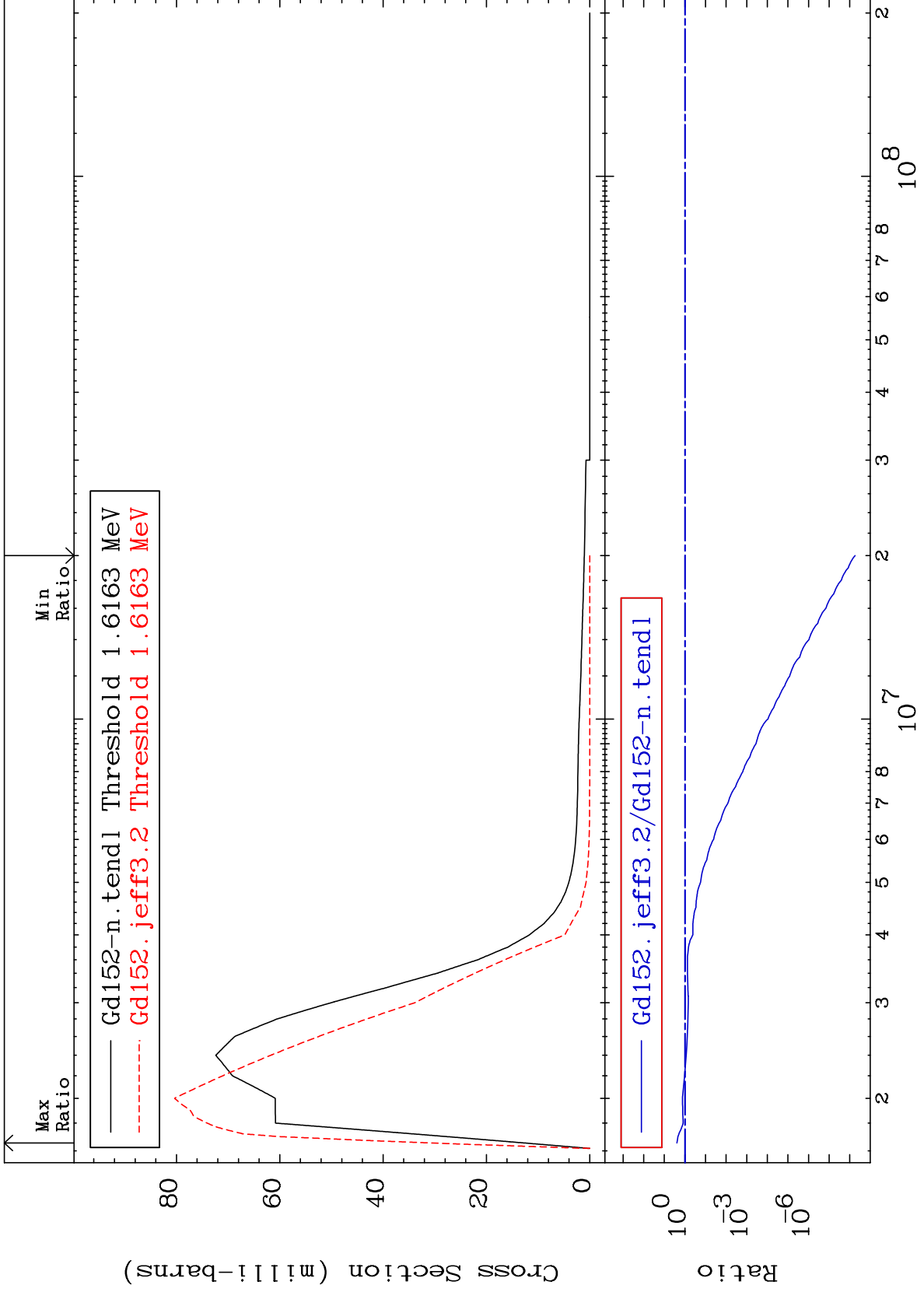




MAT 6425

1.606 MeV (n,n') Level  
Cross Section

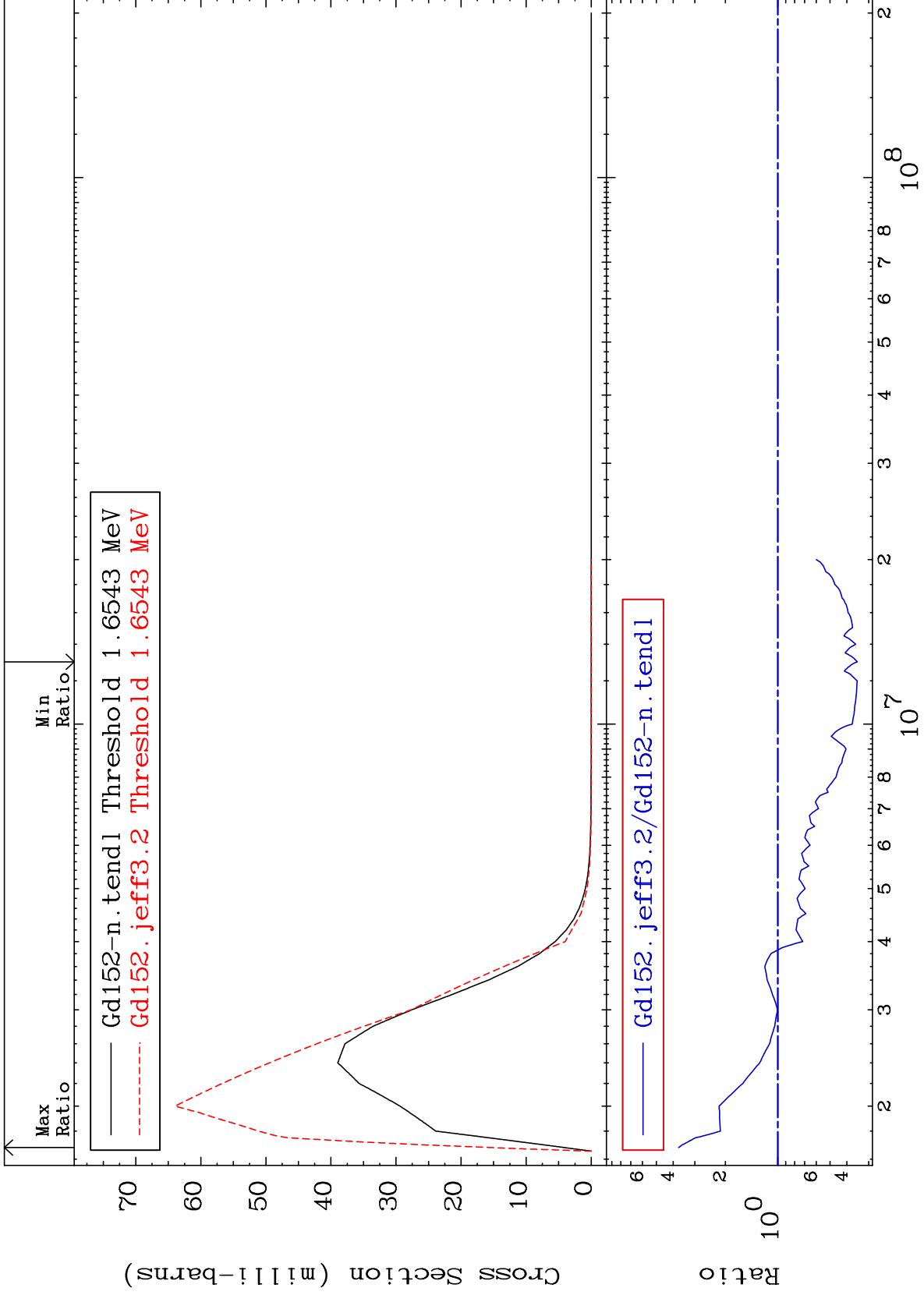
64-Gd-152  
-100.0 To 143.3 %



MAT 6425

1.643 MeV (n,n') Level  
Cross Section

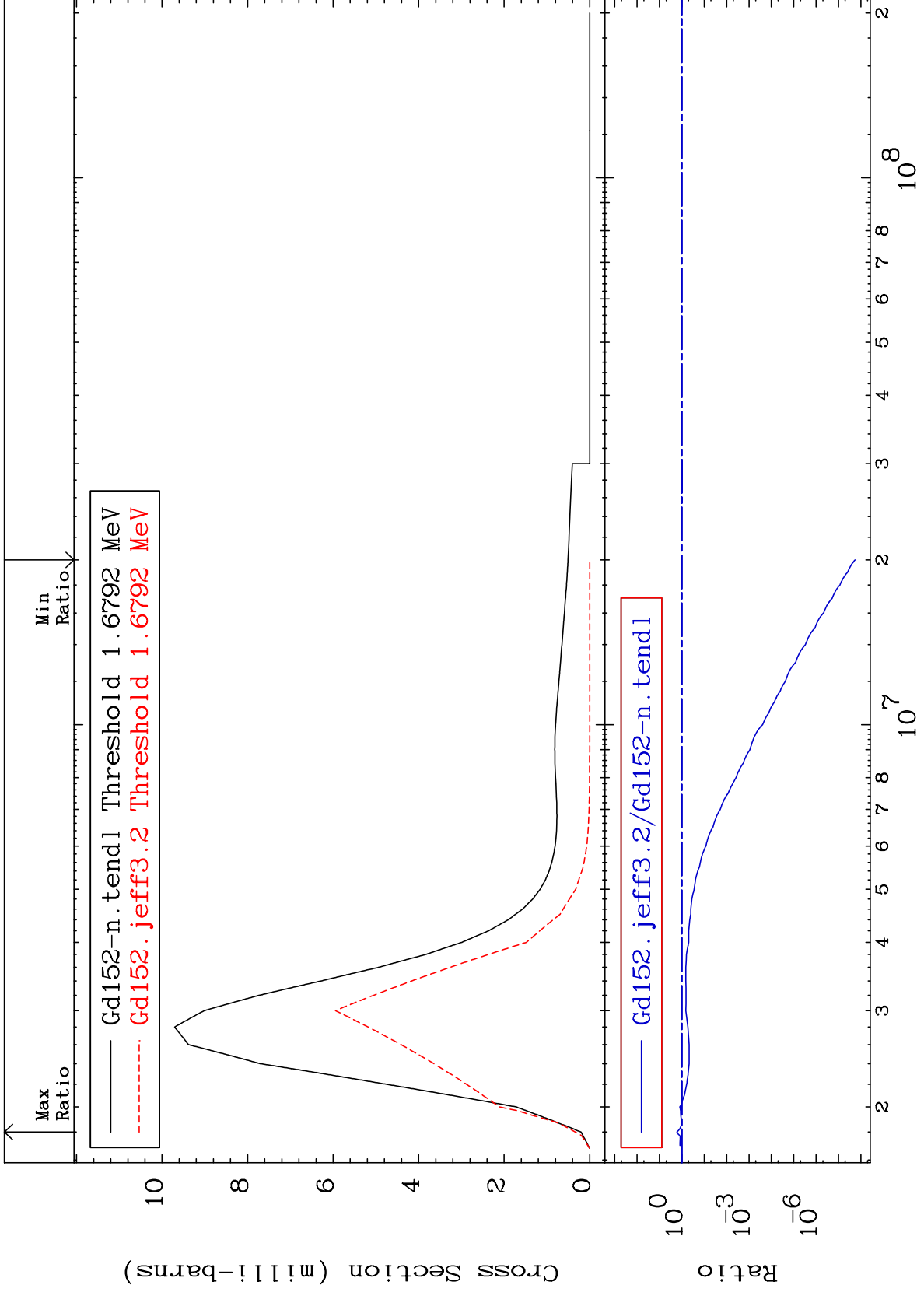
64-Gd-152  
-65.12 To 271.7 %



MAT 6425

1.668 MeV (n,n') Level  
Cross Section

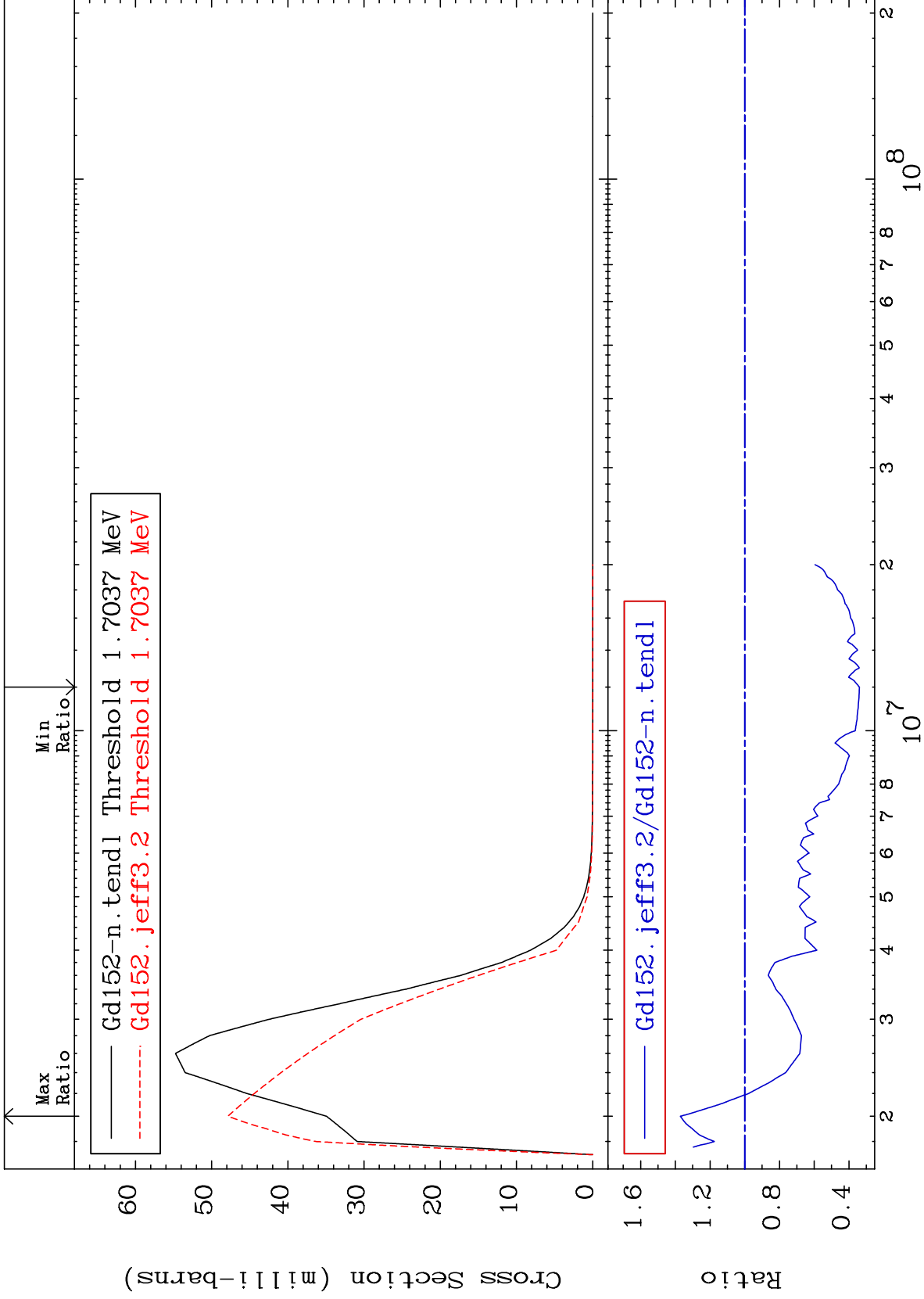
64-Gd-152  
-100.0 To 66.01 %



MAT 6425

1.692 MeV (n,n') Level  
Cross Section

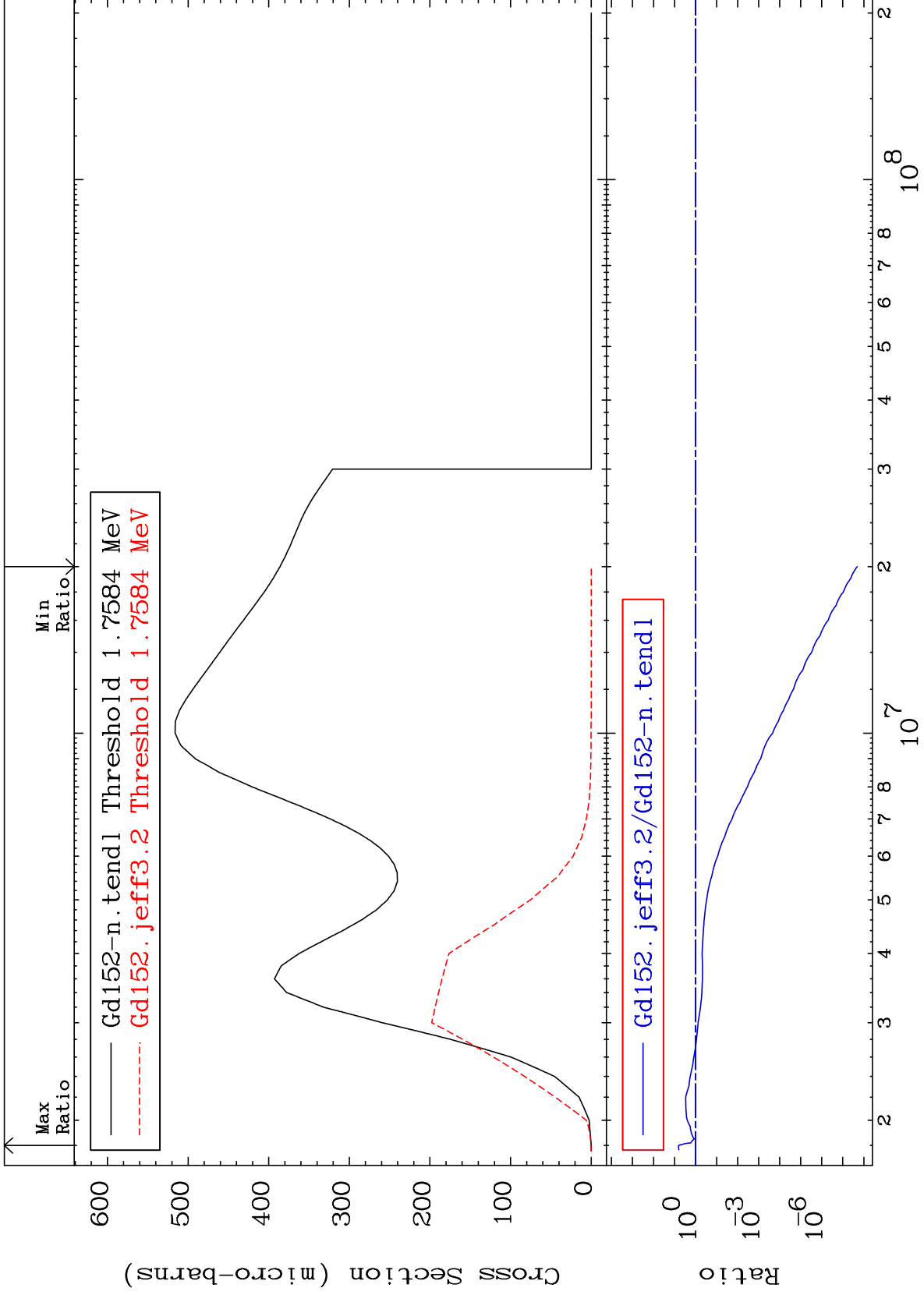
64-Gd-152  
-66.04 To 37.11 %



MAT 6425

1.747 MeV (n,n') Level  
Cross Section

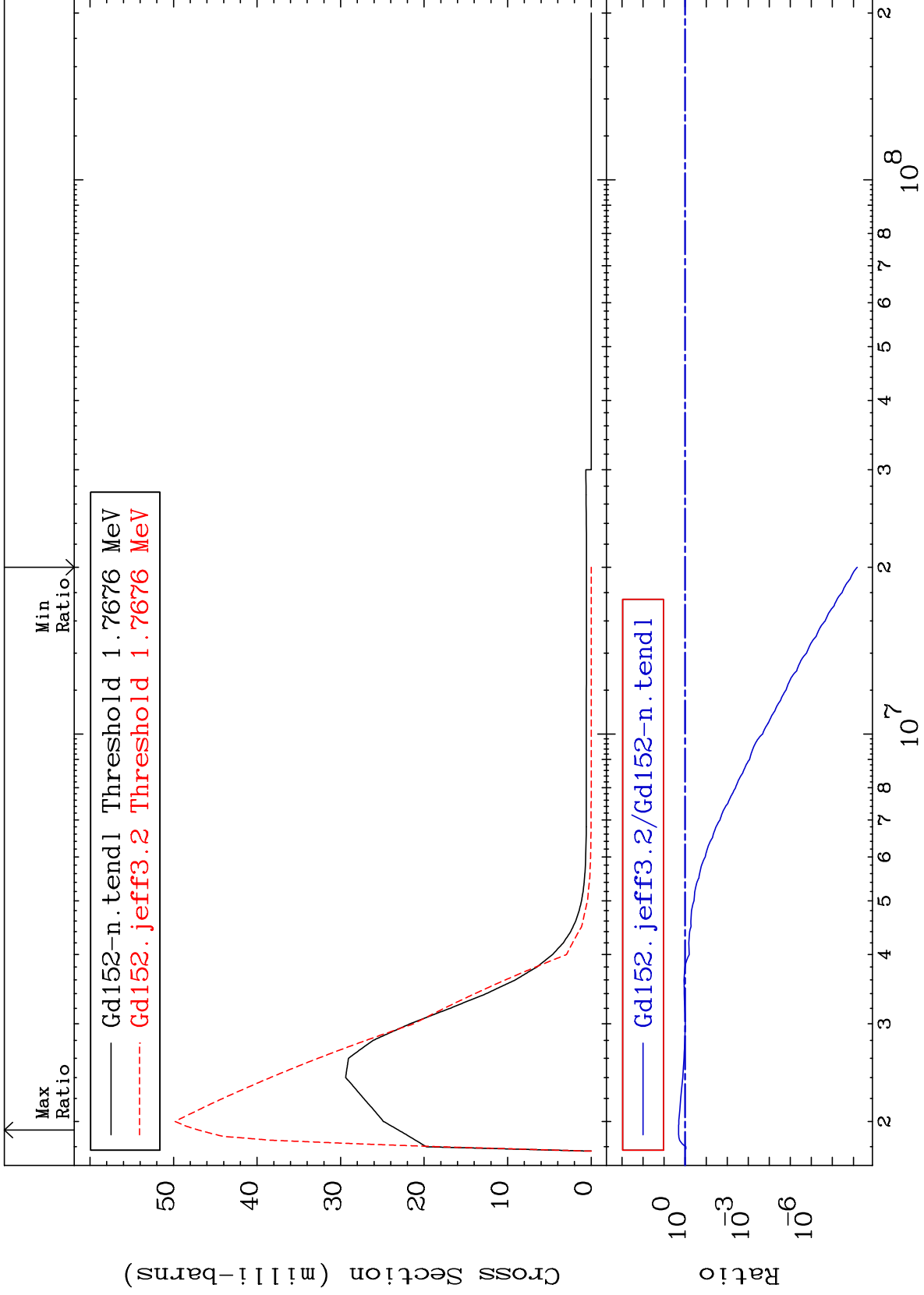
64-Gd-152  
-100.0 To 539.9 %



MAT 6425

1.756 MeV (n,n') Level  
Cross Section

64-Gd-152  
-100.0 To 103.7 %



30

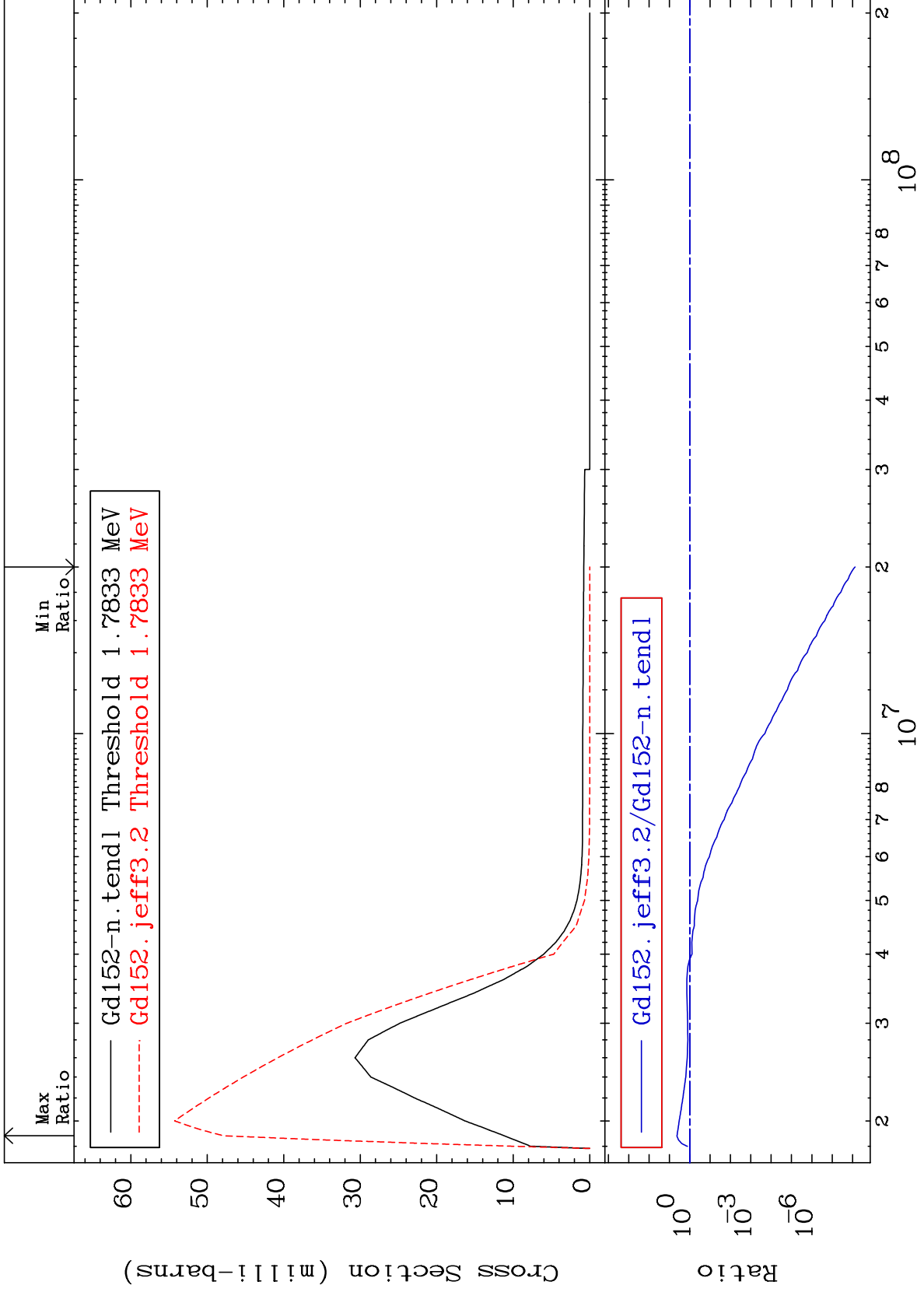
Incident Energy (eV)

64-Gd-152

MAT 6425

1.772 MeV (n,n') Level  
Cross Section

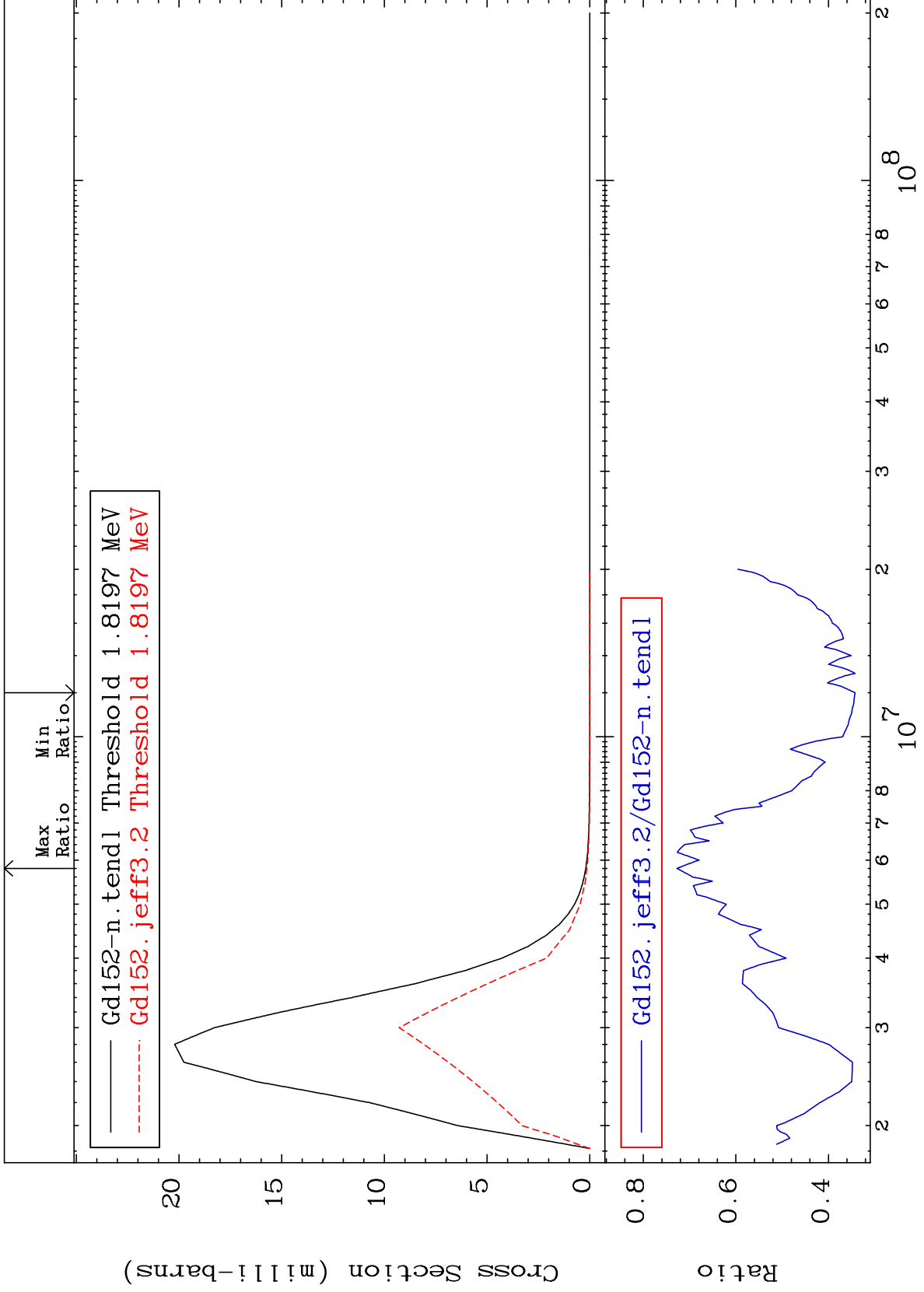
64-Gd-152  
-100.0 To 328.2 %



MAT 6425

1.808 MeV (n,n') Level  
Cross Section

64-Gd-152  
-65.75 To -27.26%





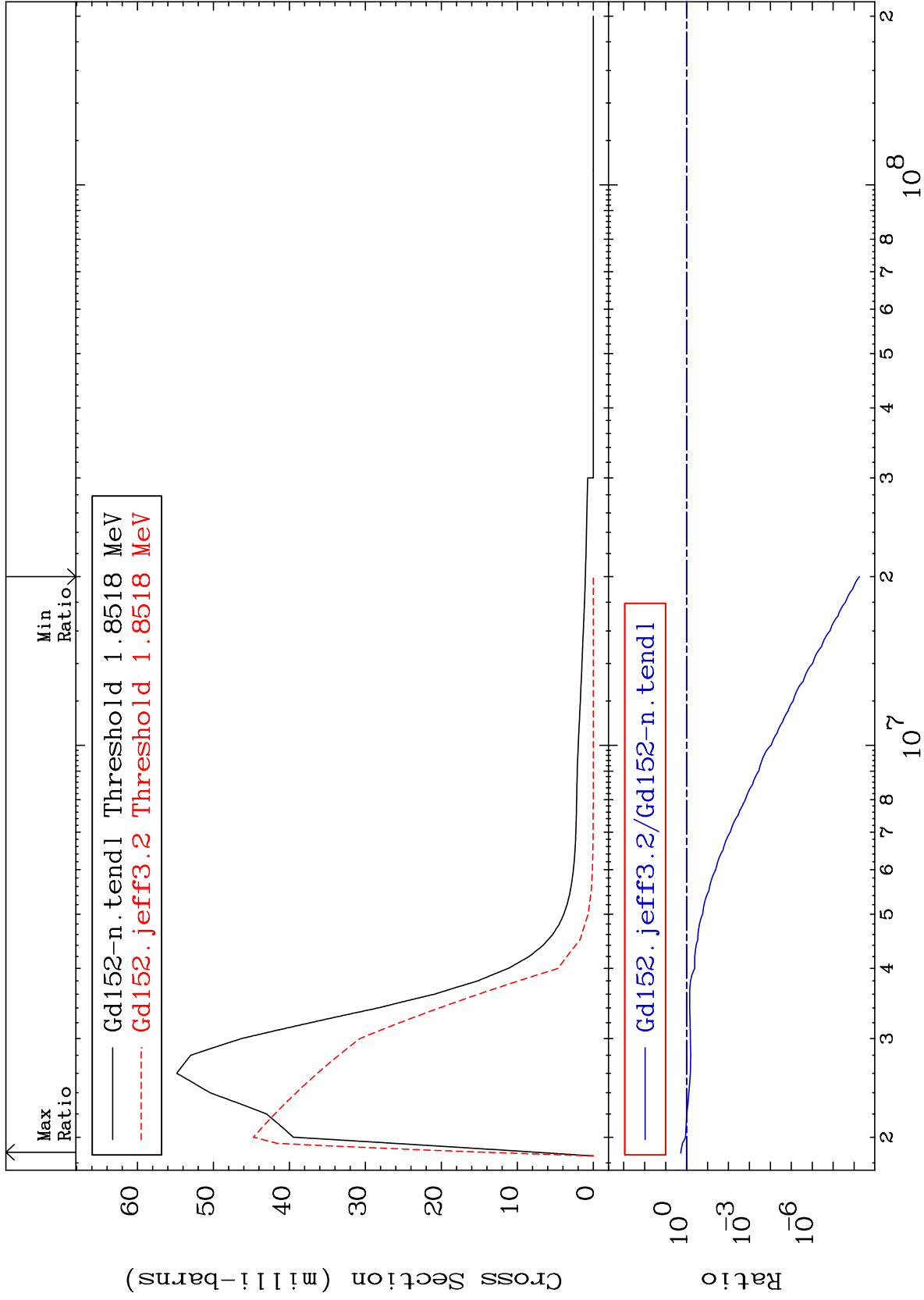
MAT 6425

1.840 MeV (n,n') Level

64-Gd-152

-100.0 To 90.05 %

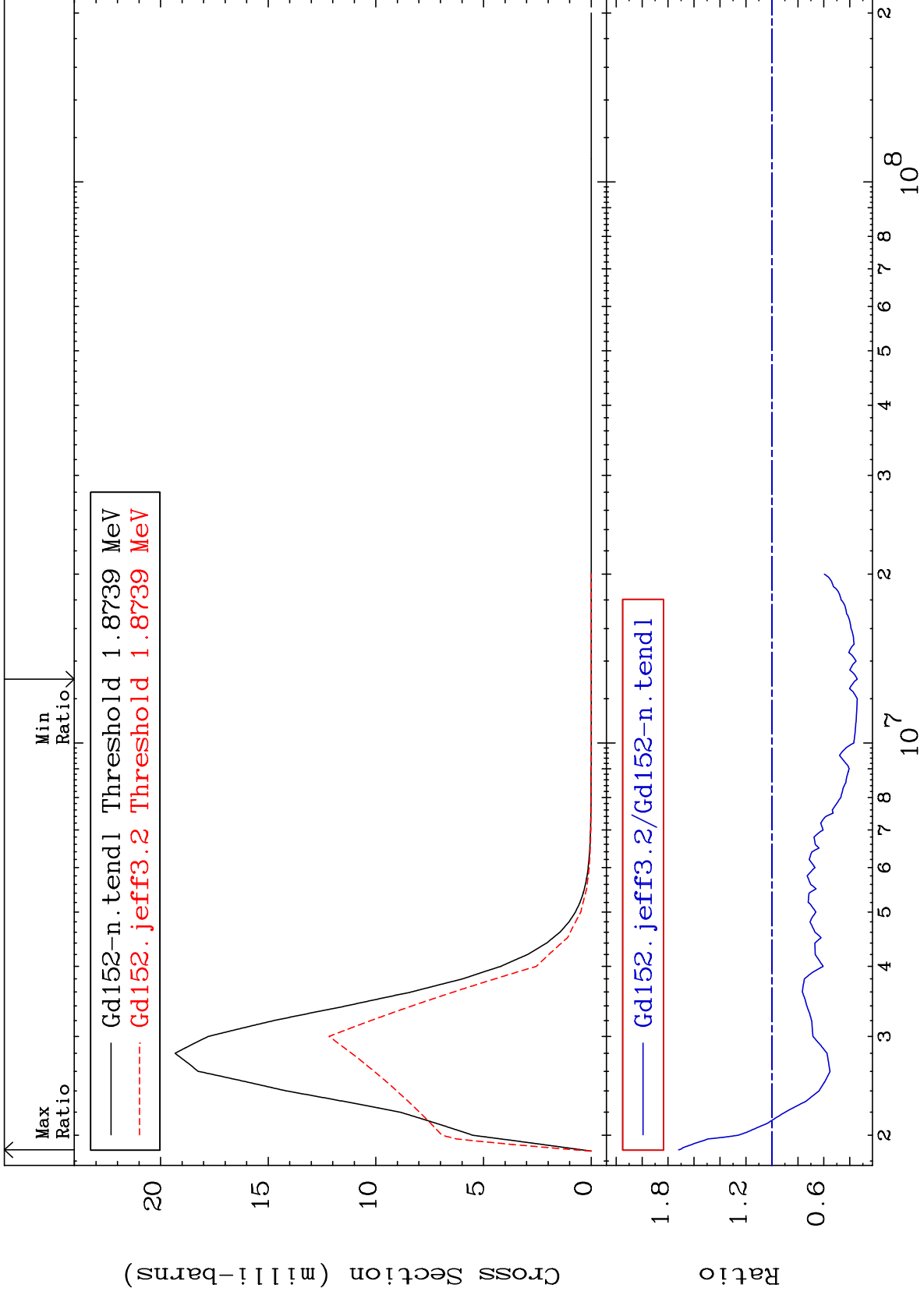
Cross Section



MAT 6425

1.862 MeV (n,n') Level  
Cross Section

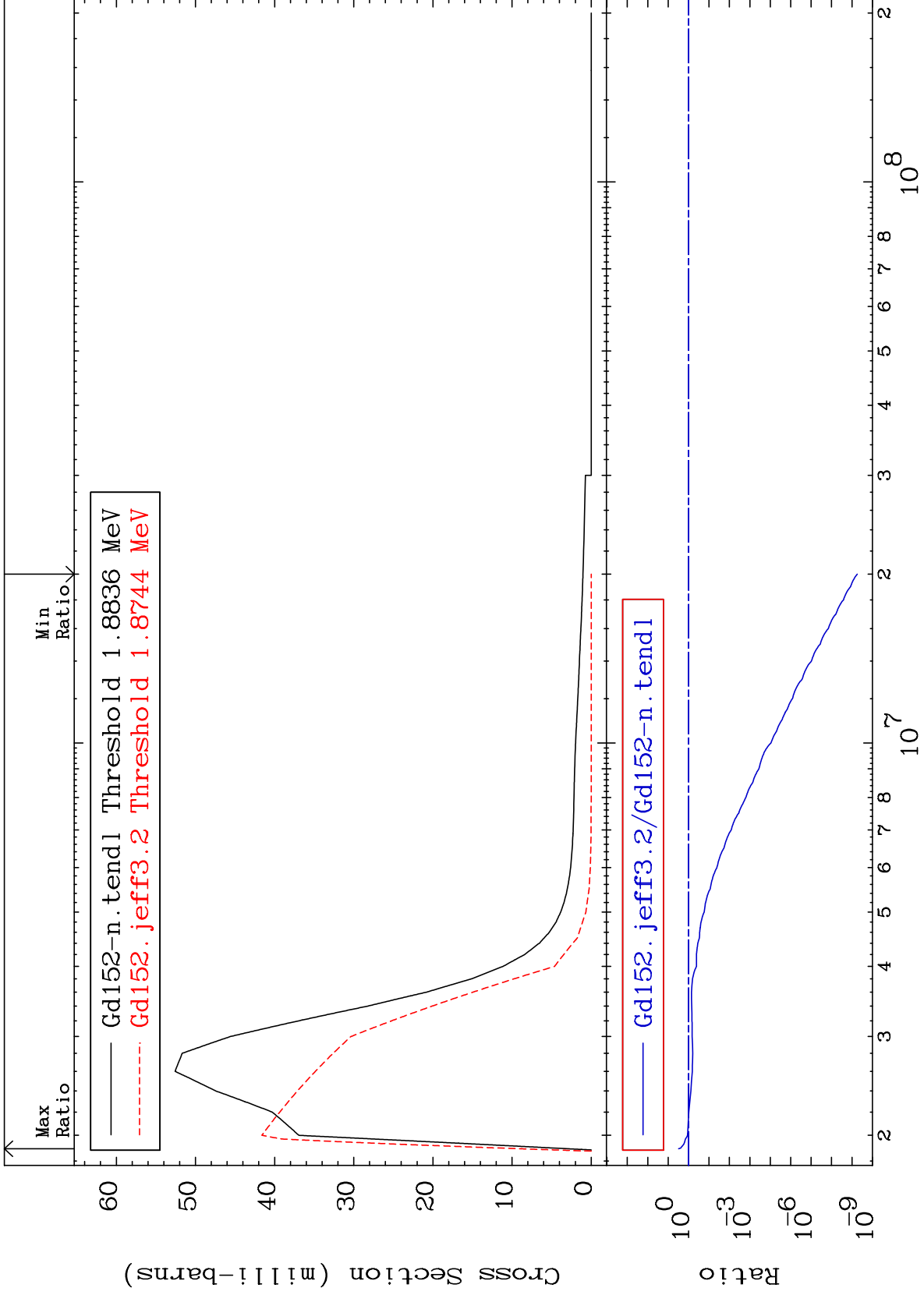
64-Gd-152  
-65.72 To 71.86 %



MAT 6425

1.871 MeV (n,n') Level  
Cross Section

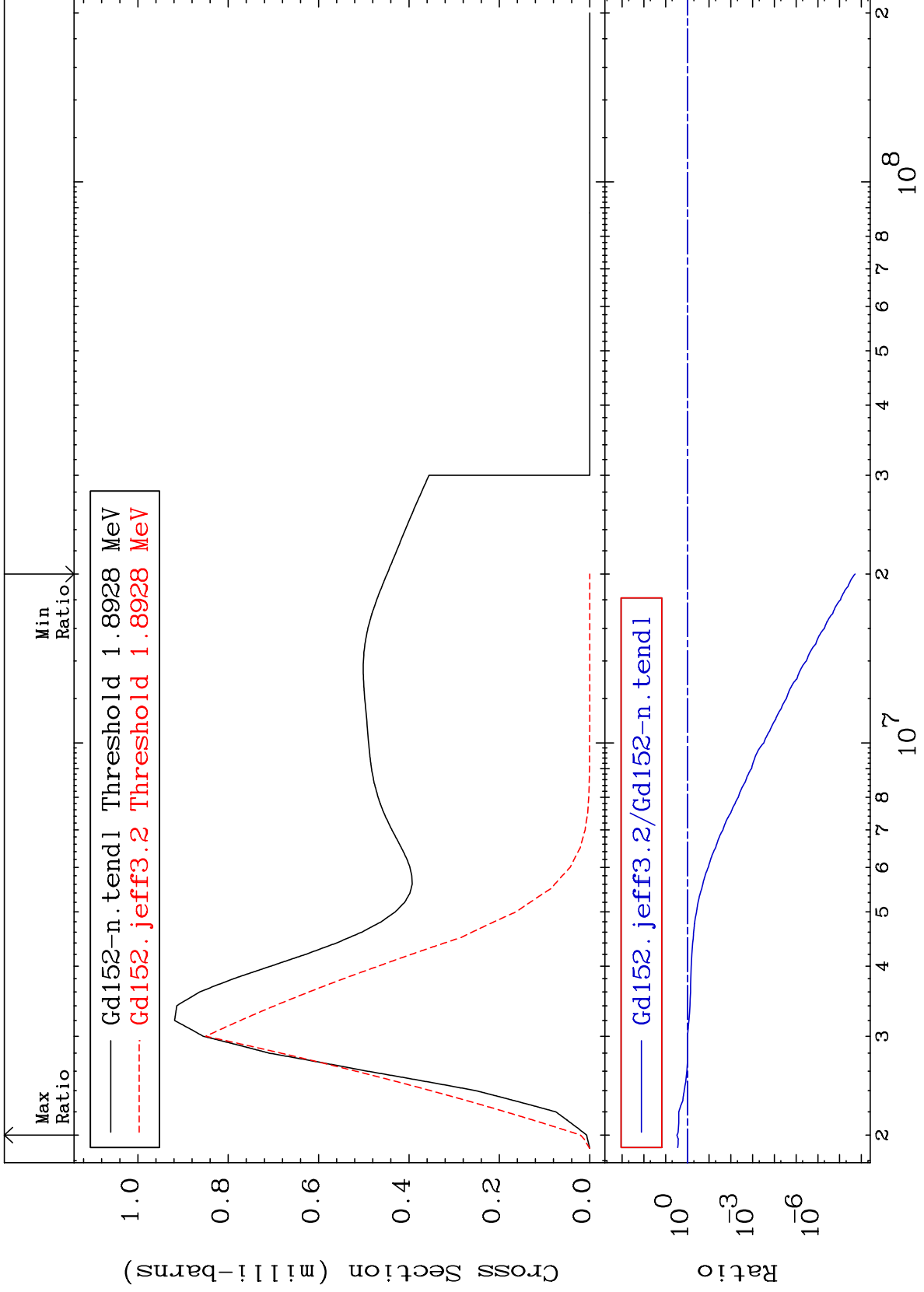
64-Gd-152  
-100.0 To 207.1 %



MAT 6425

1.880 MeV (n,n') Level  
Cross Section

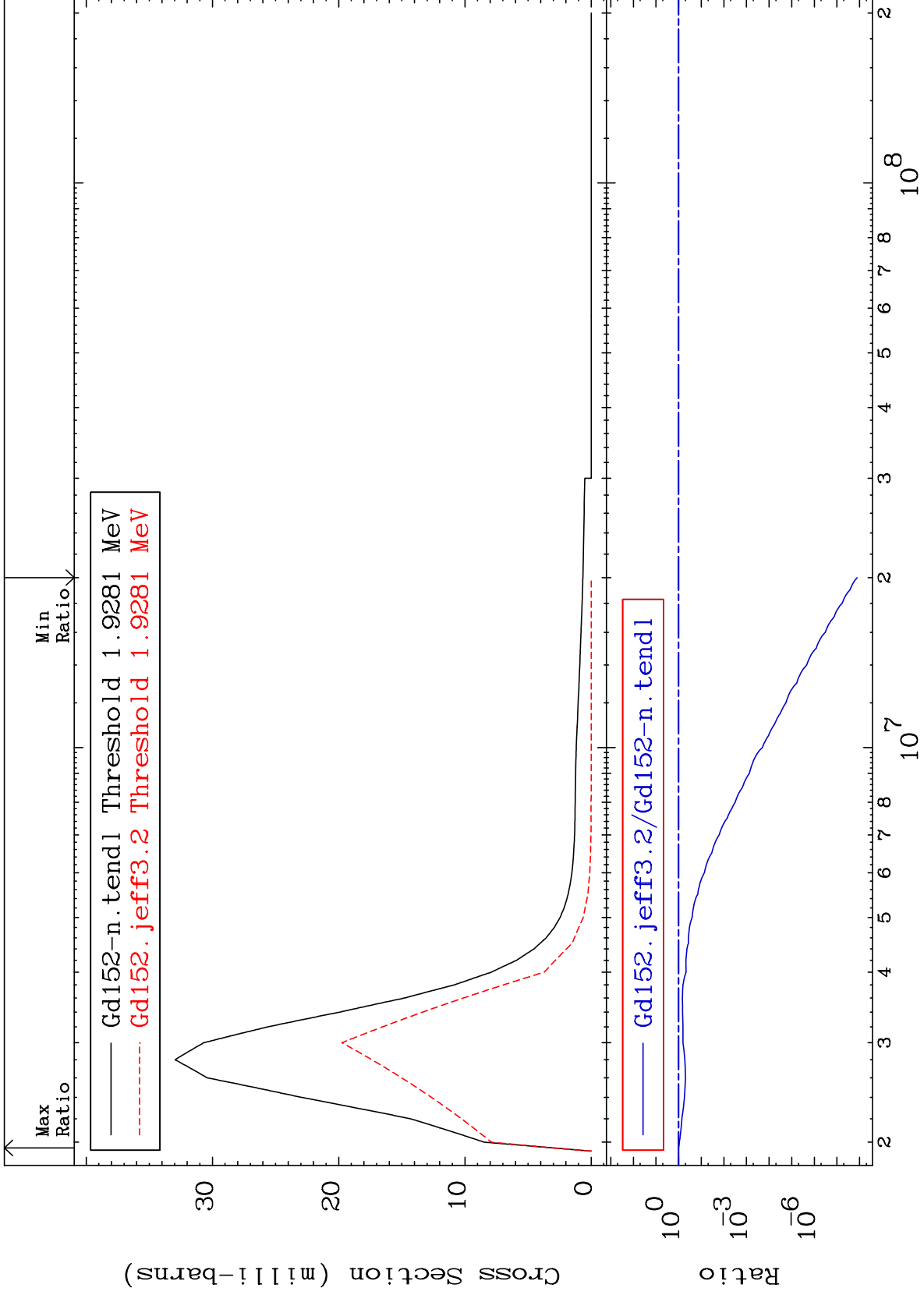
64-Gd-152  
-100.0 To 201.9 %



MAT 6425

1.915 MeV (n,n') Level  
Cross Section

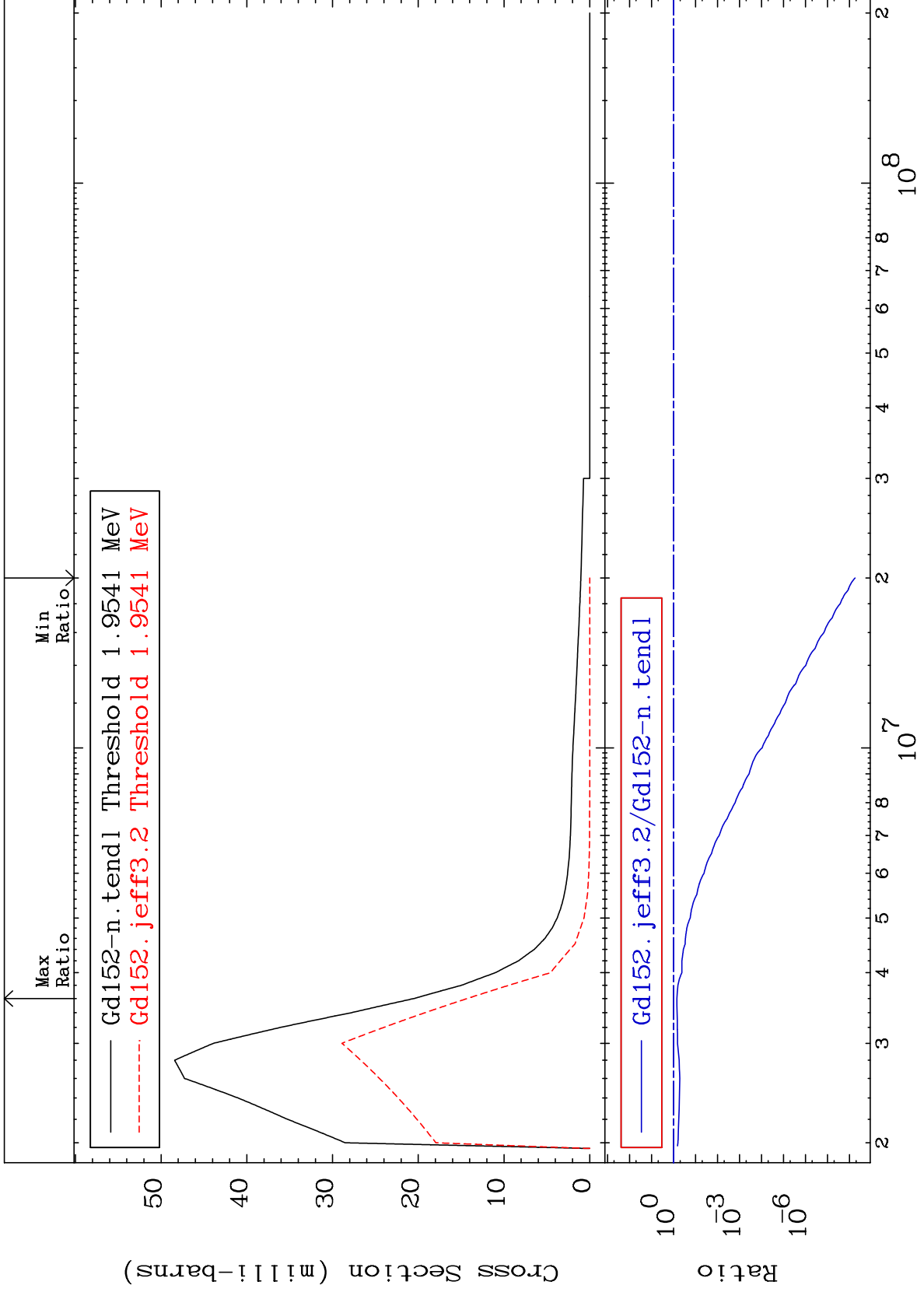
64-Gd-152  
-100.0 To -0.170%



MAT 6425

1.941 MeV (n,n') Level  
Cross Section

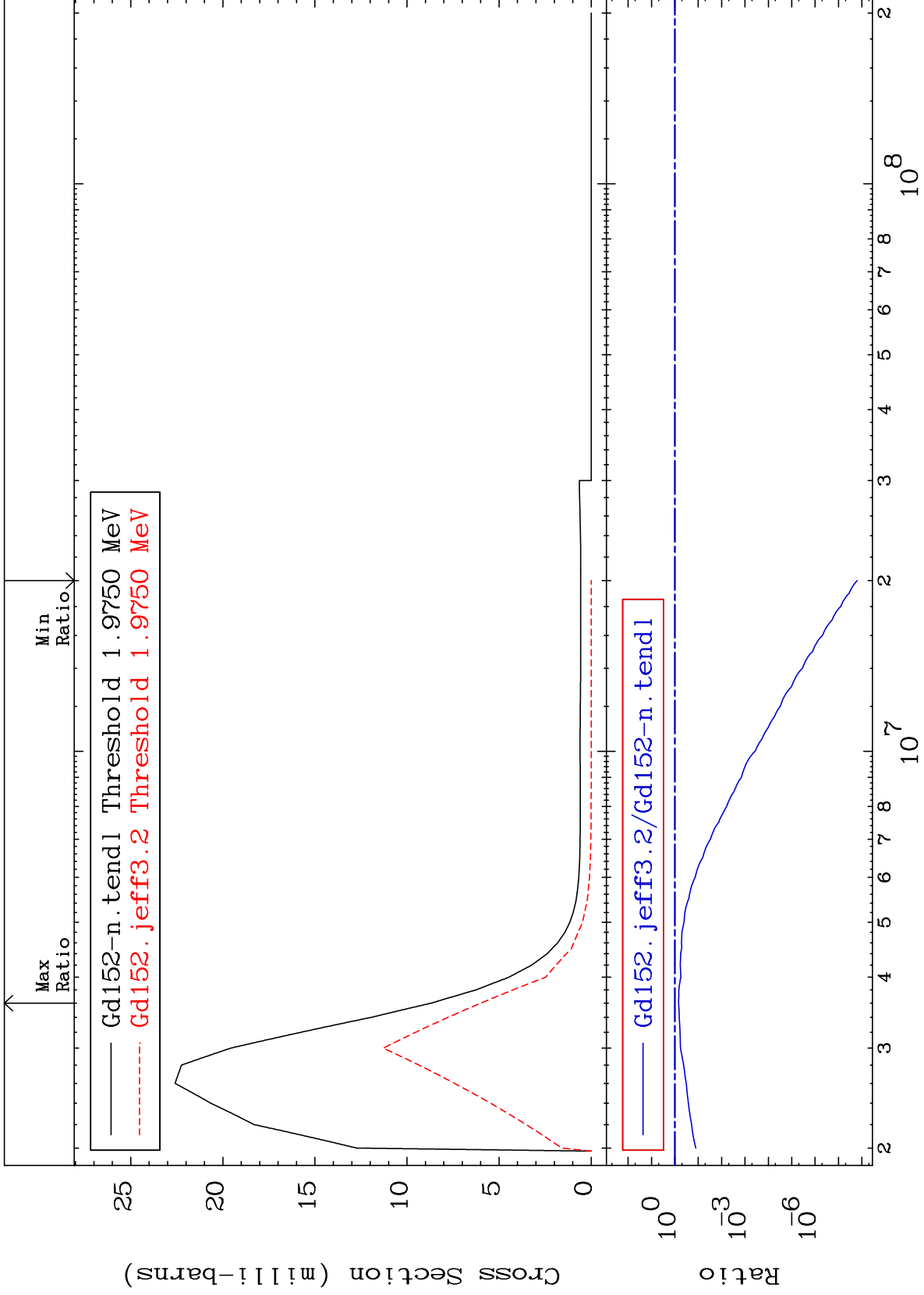
64-Gd-152  
-100.0 To -30.28%



MAT 6425

1.962 MeV (n,n') Level  
Cross Section

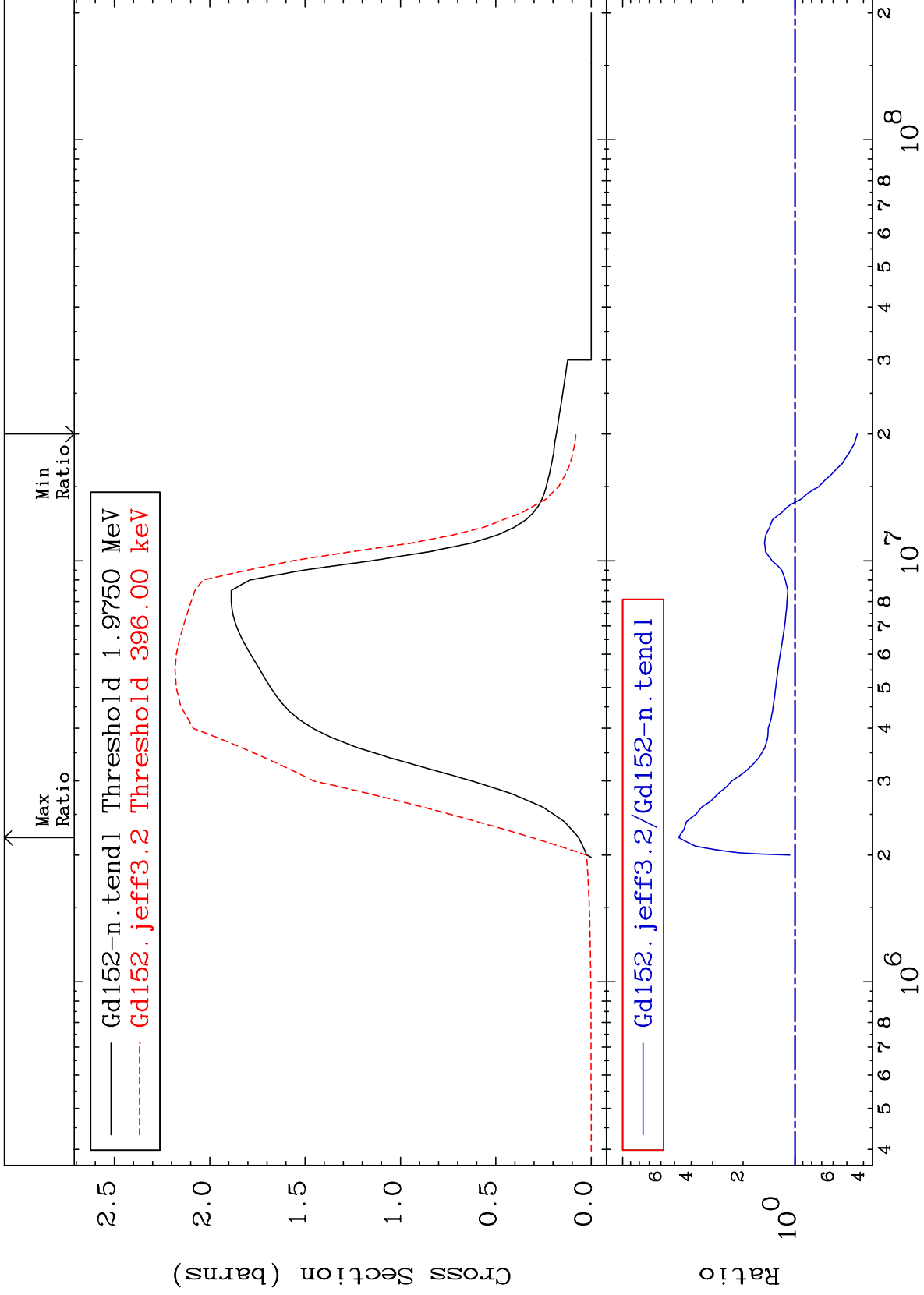
64-Gd-152  
-100.0 To -30.99%



MAT 6425

(n, n') Continuum  
Cross Section

64-Gd-152  
-56.49 To 373.1 %



40

Incident Energy (eV)

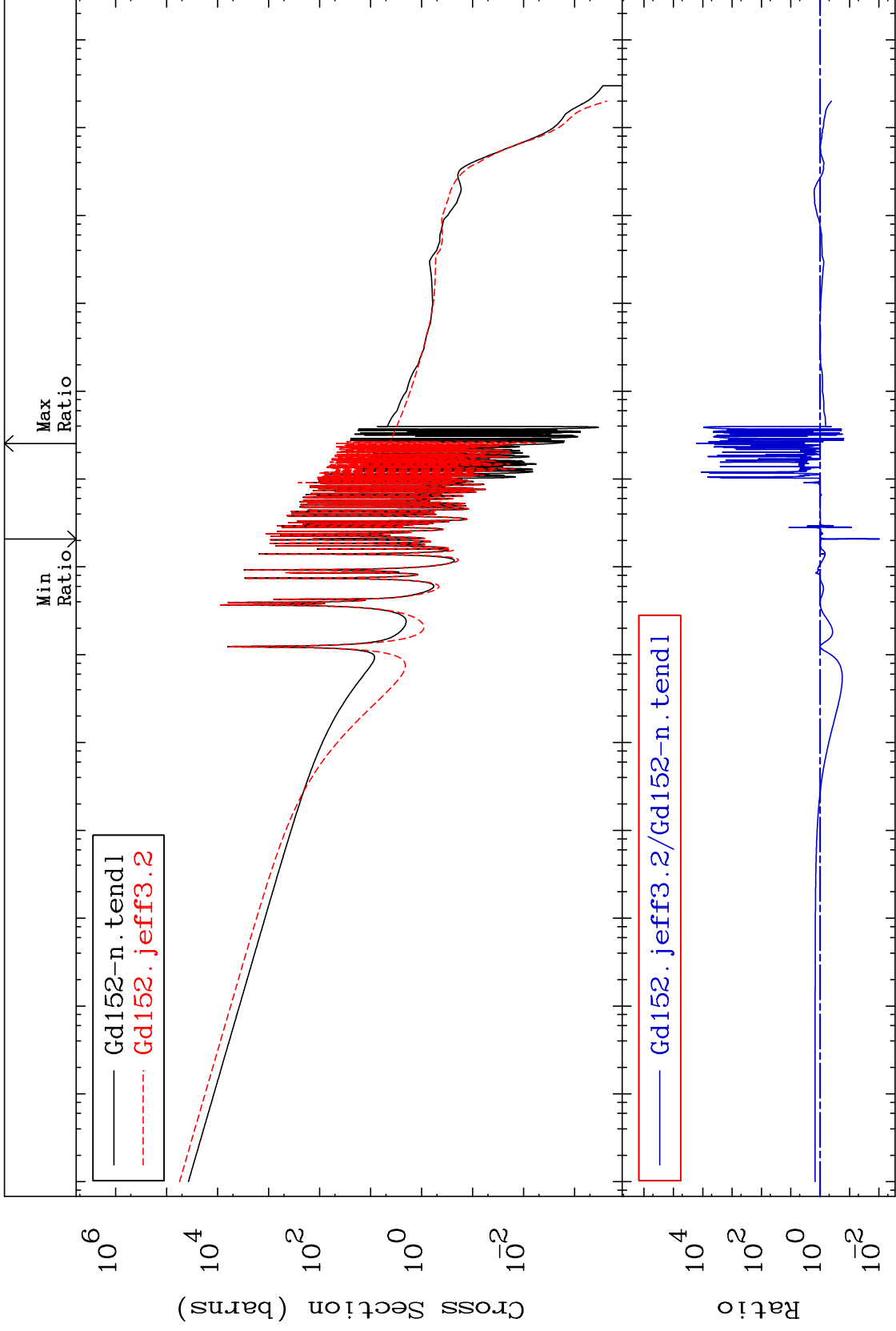
64-Gd-152



MAT 6425

(n,  $\gamma$ )  
Cross Section

64-Gd-152  
-99.04 To 9999. %



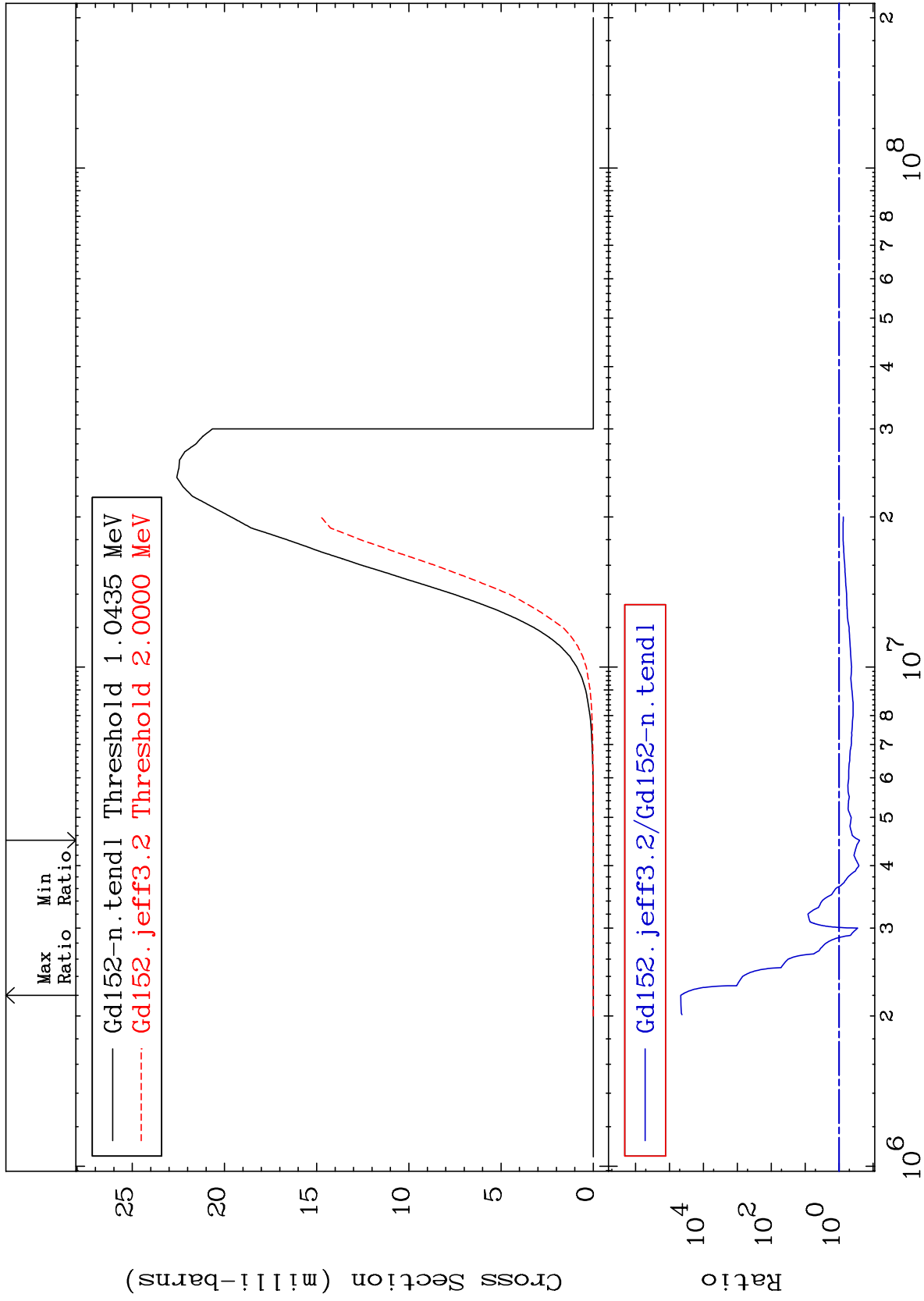
MAT 6425

(n,p)

64-Gd-152

Cross Section

-75.00 To 9999. %



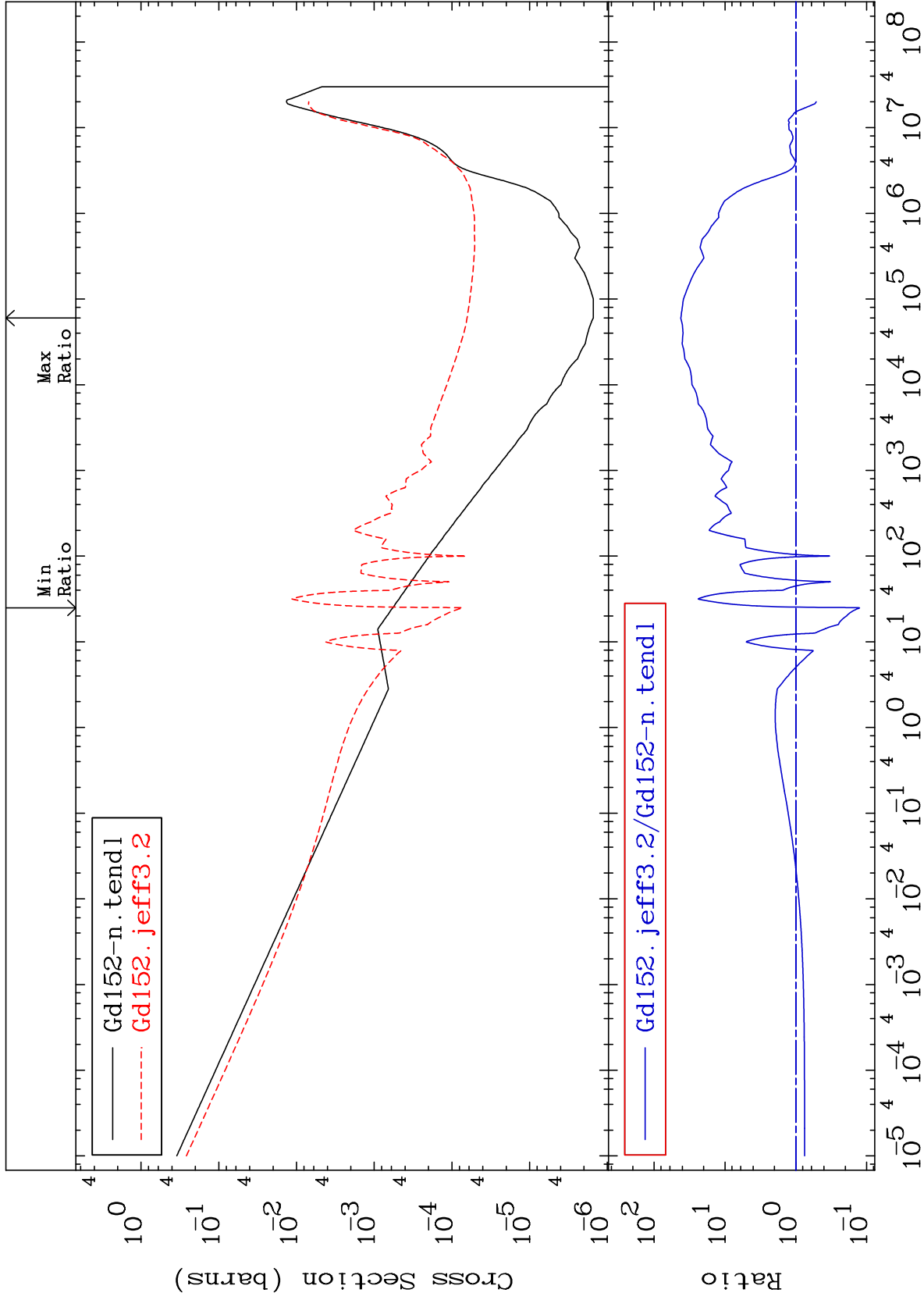
42

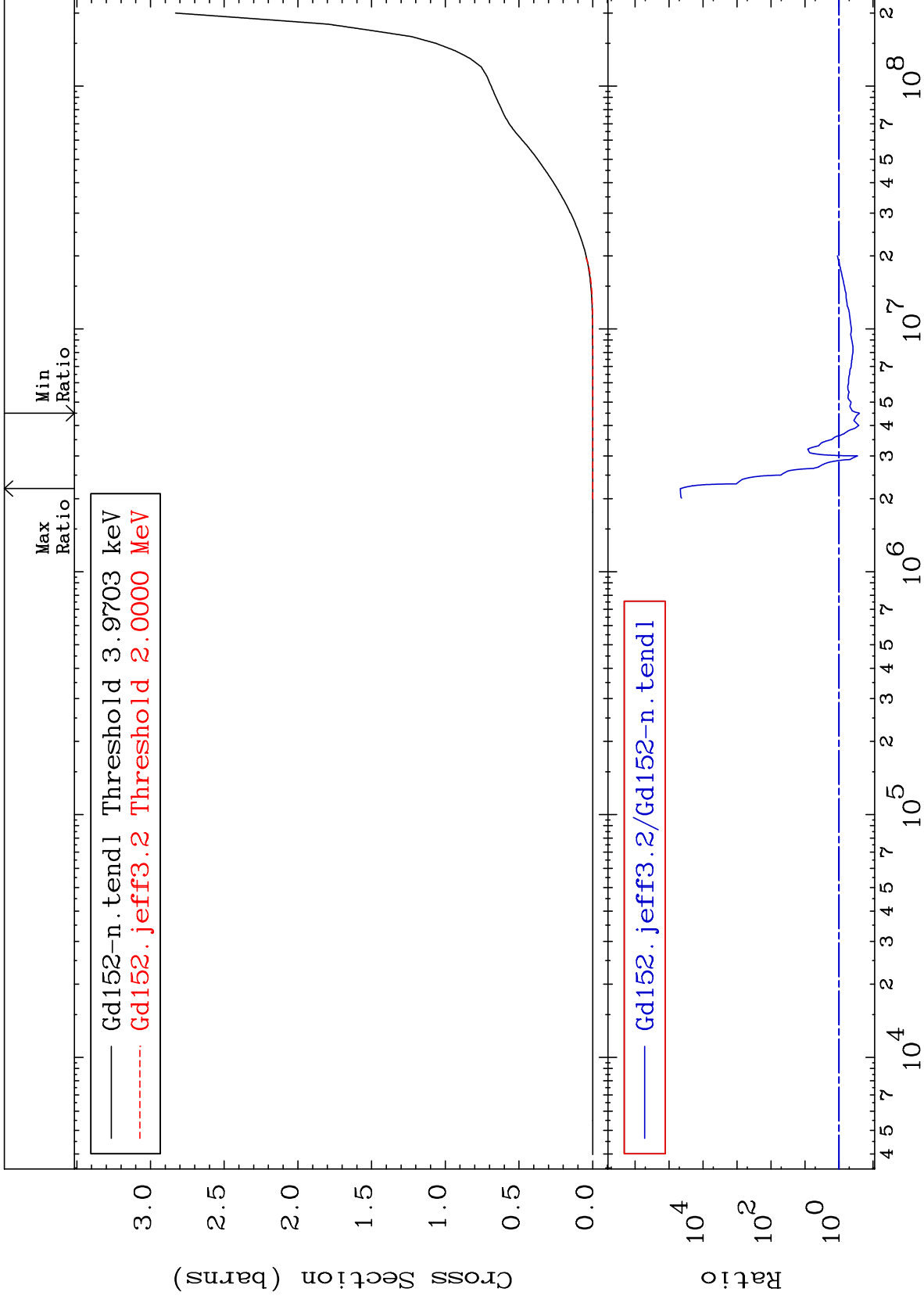
Incident Energy (eV)

64-Gd-152

MAT 6425

(n,  $\alpha$ )  
Cross Section  
64-Gd-152  
-87.40 To 4110. %

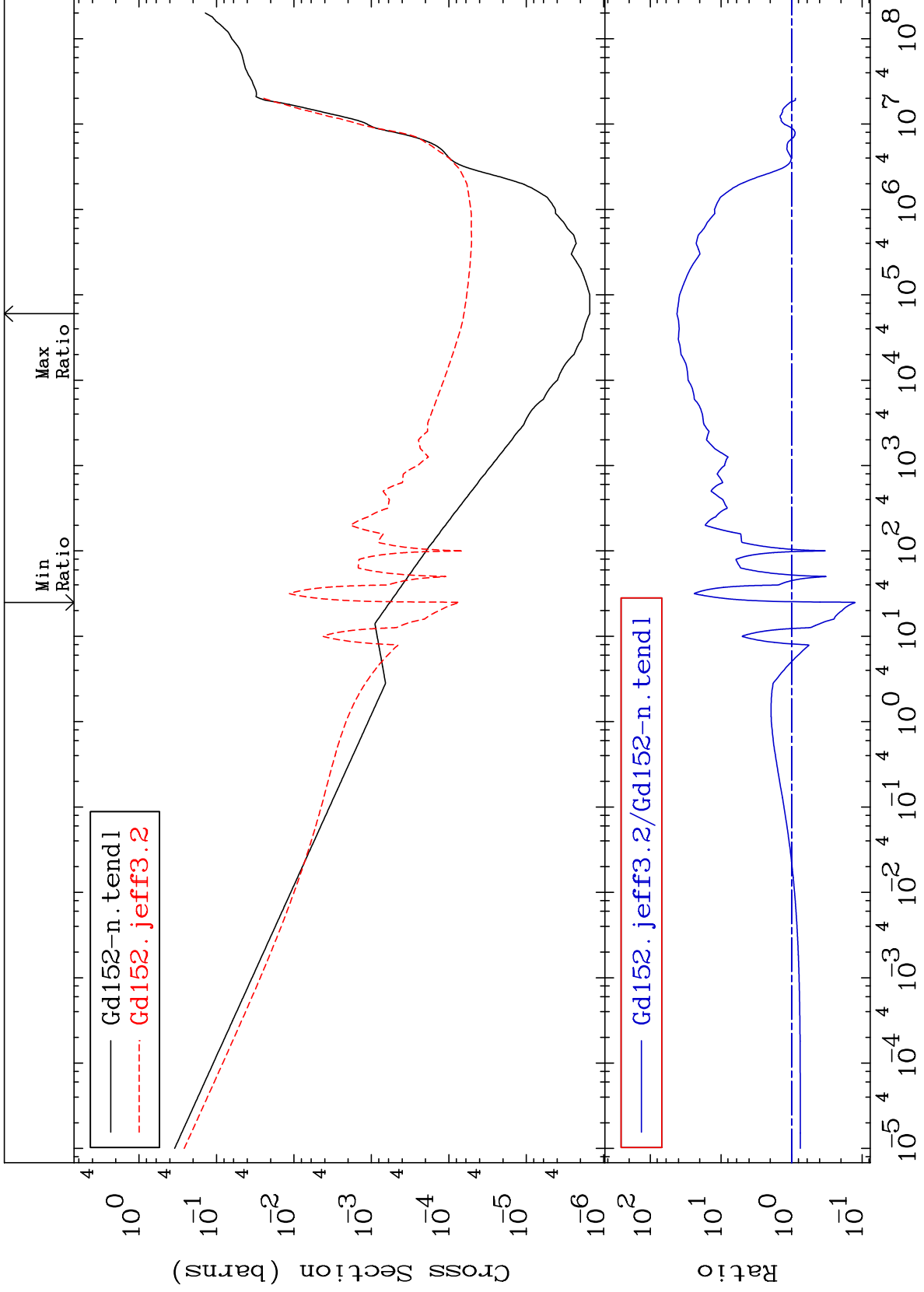


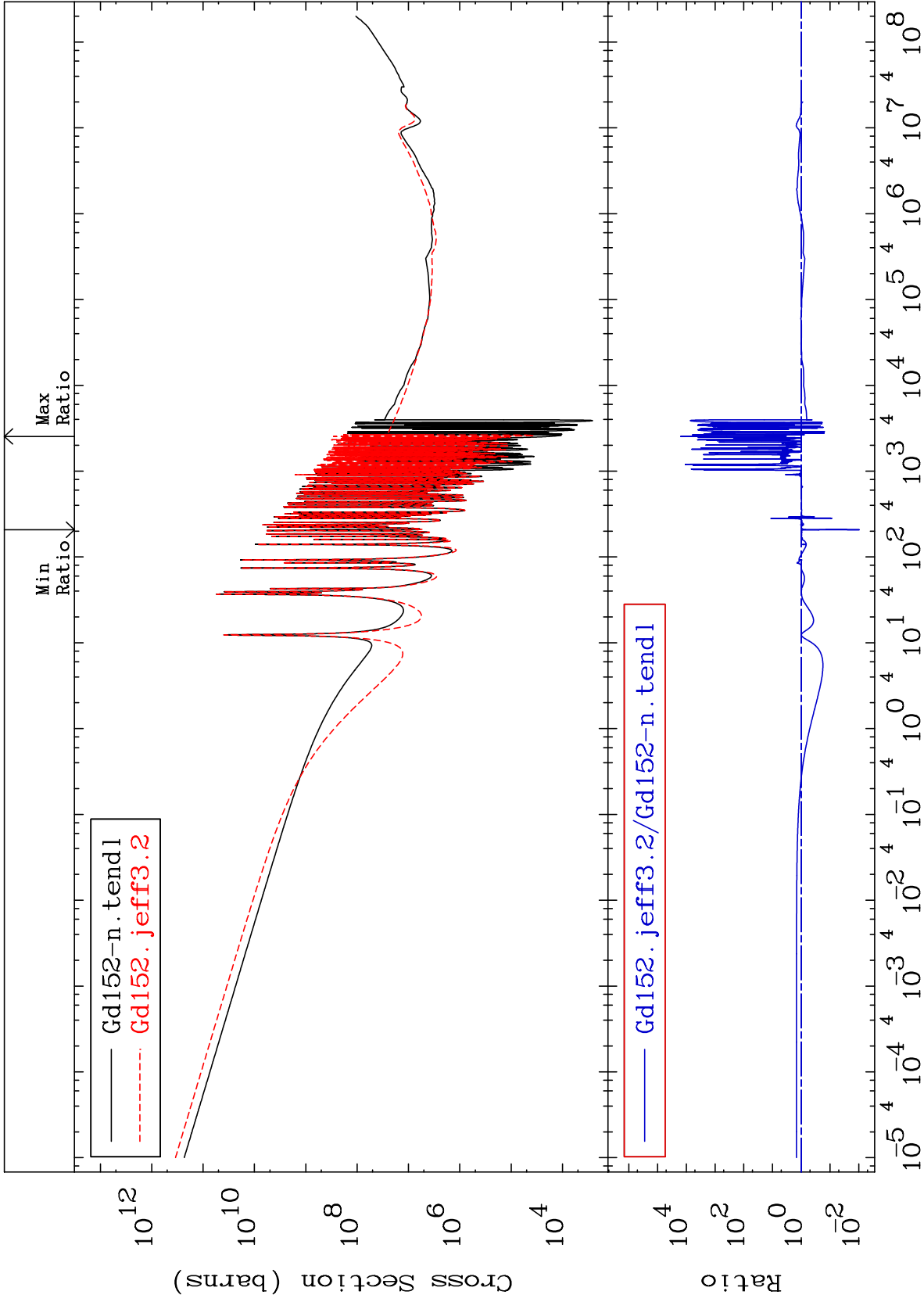


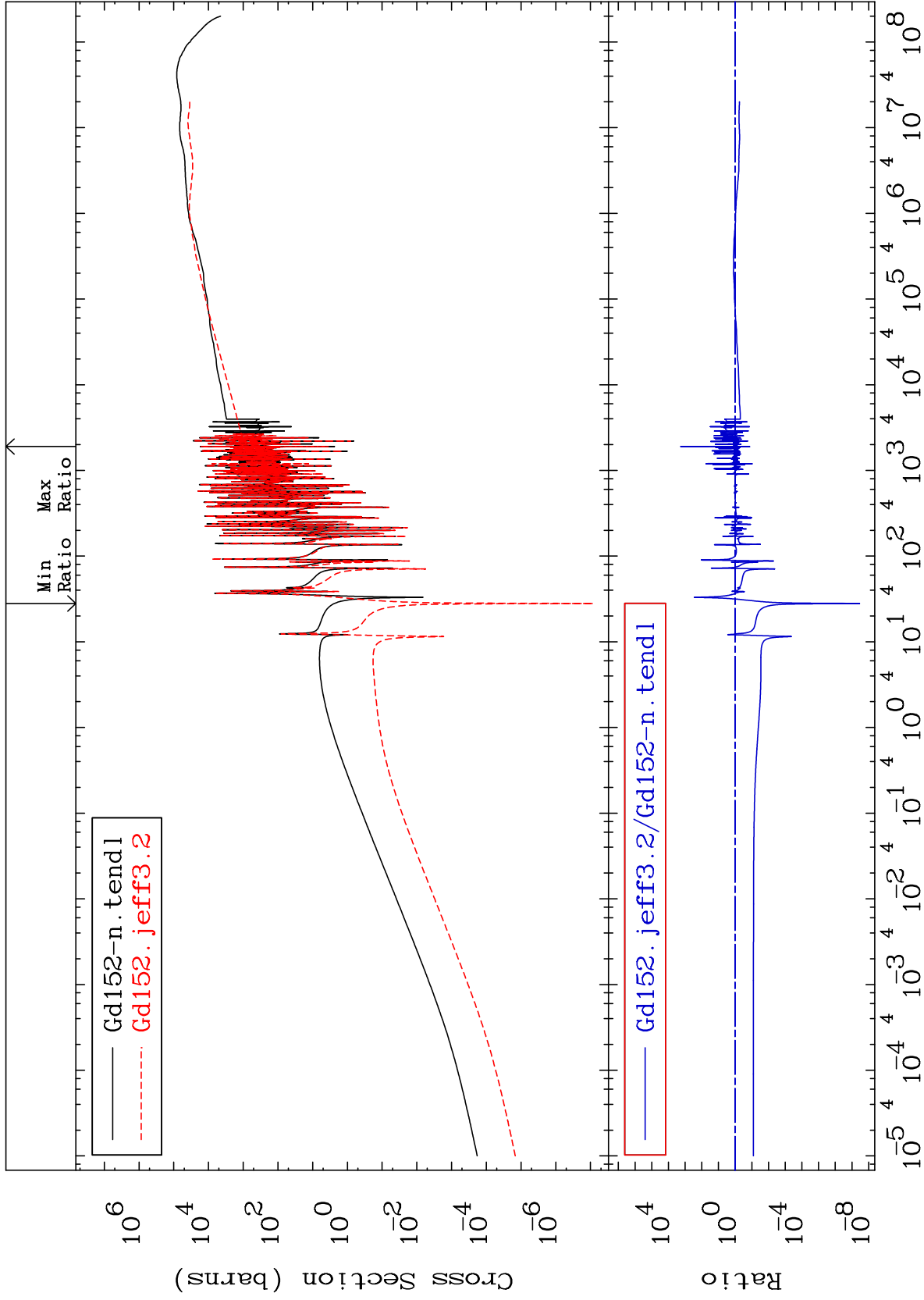
MAT 6425

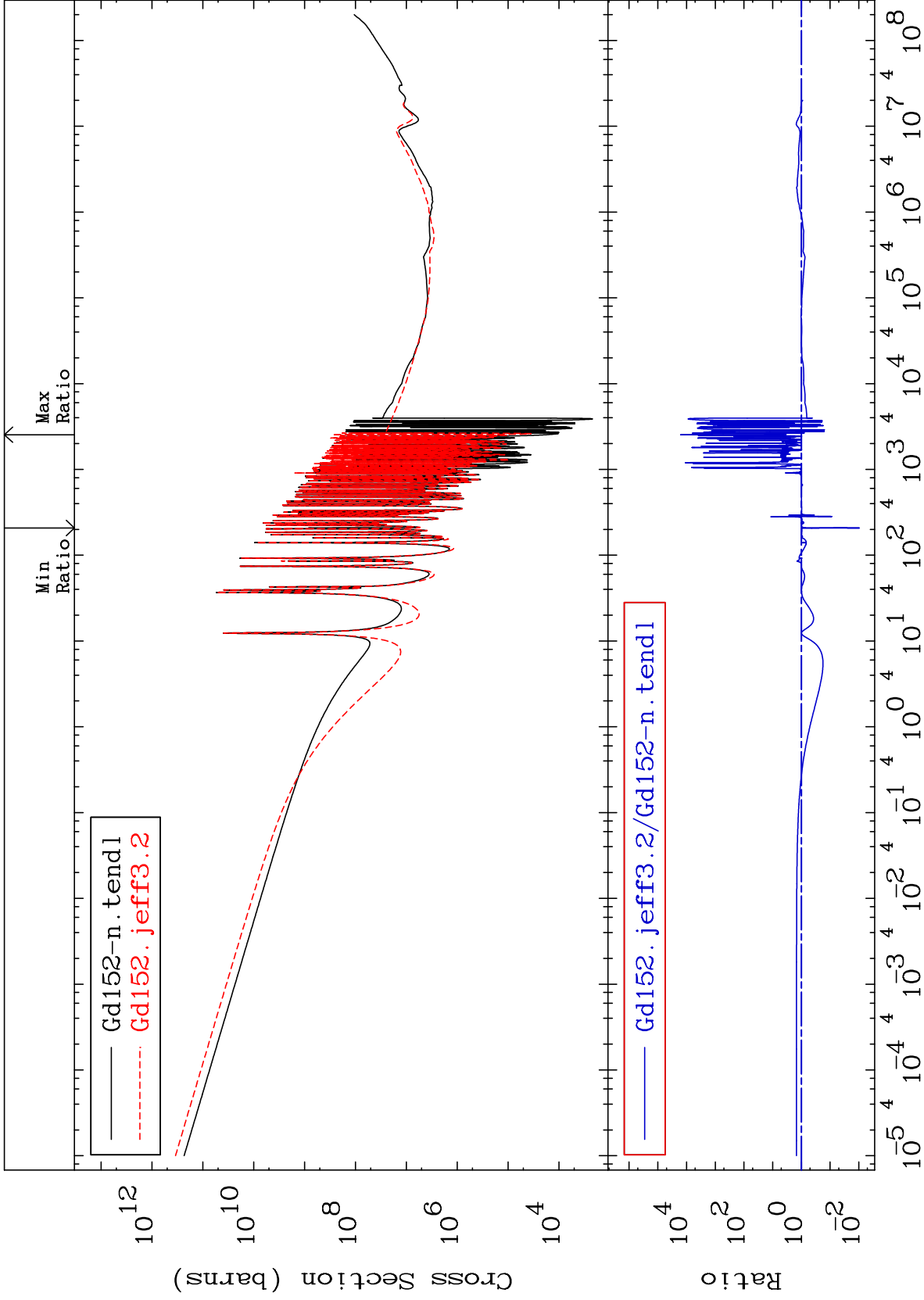
He-4 Production  
Cross Section

64-Gd-152  
-87.40 To 4110. %

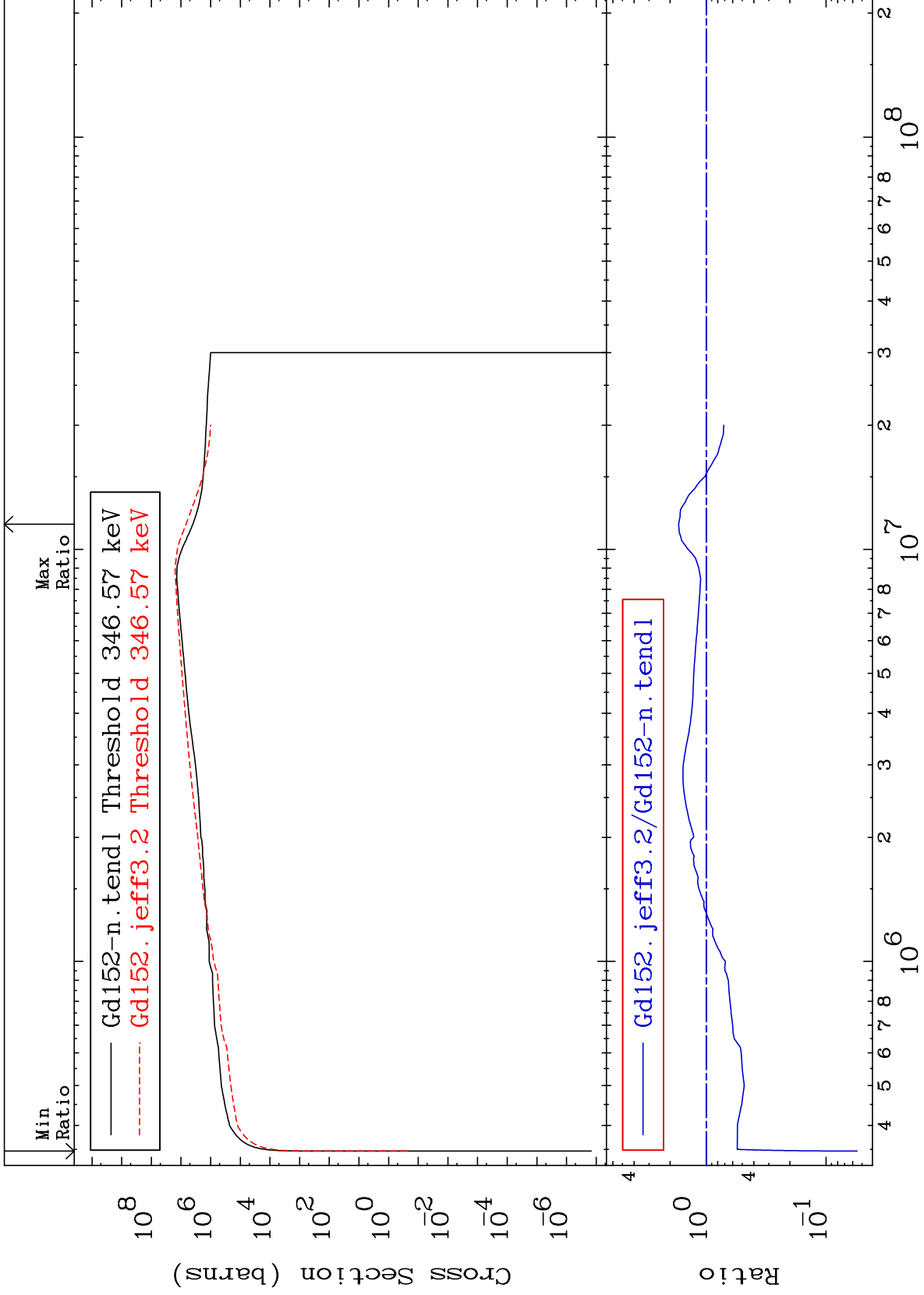


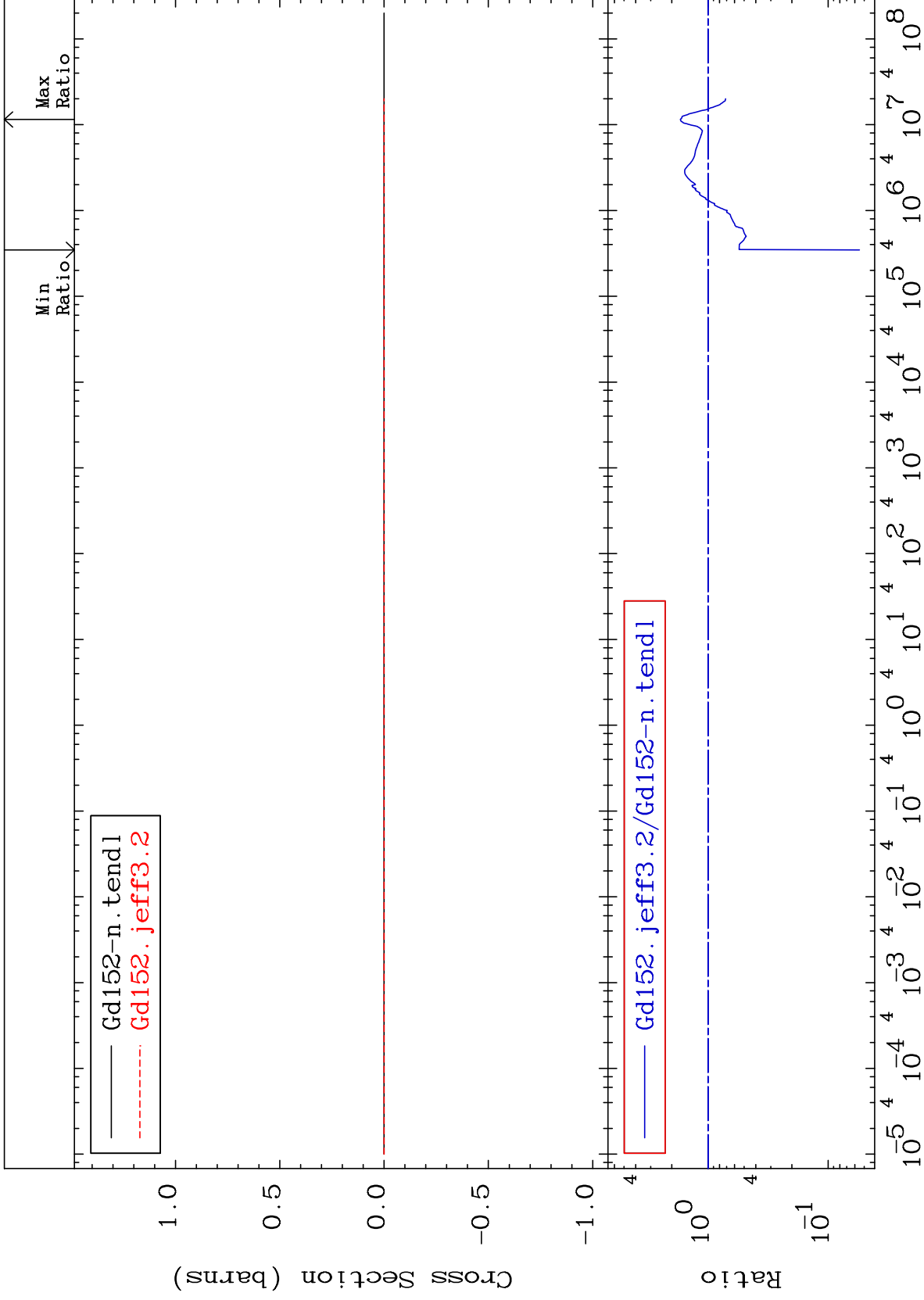


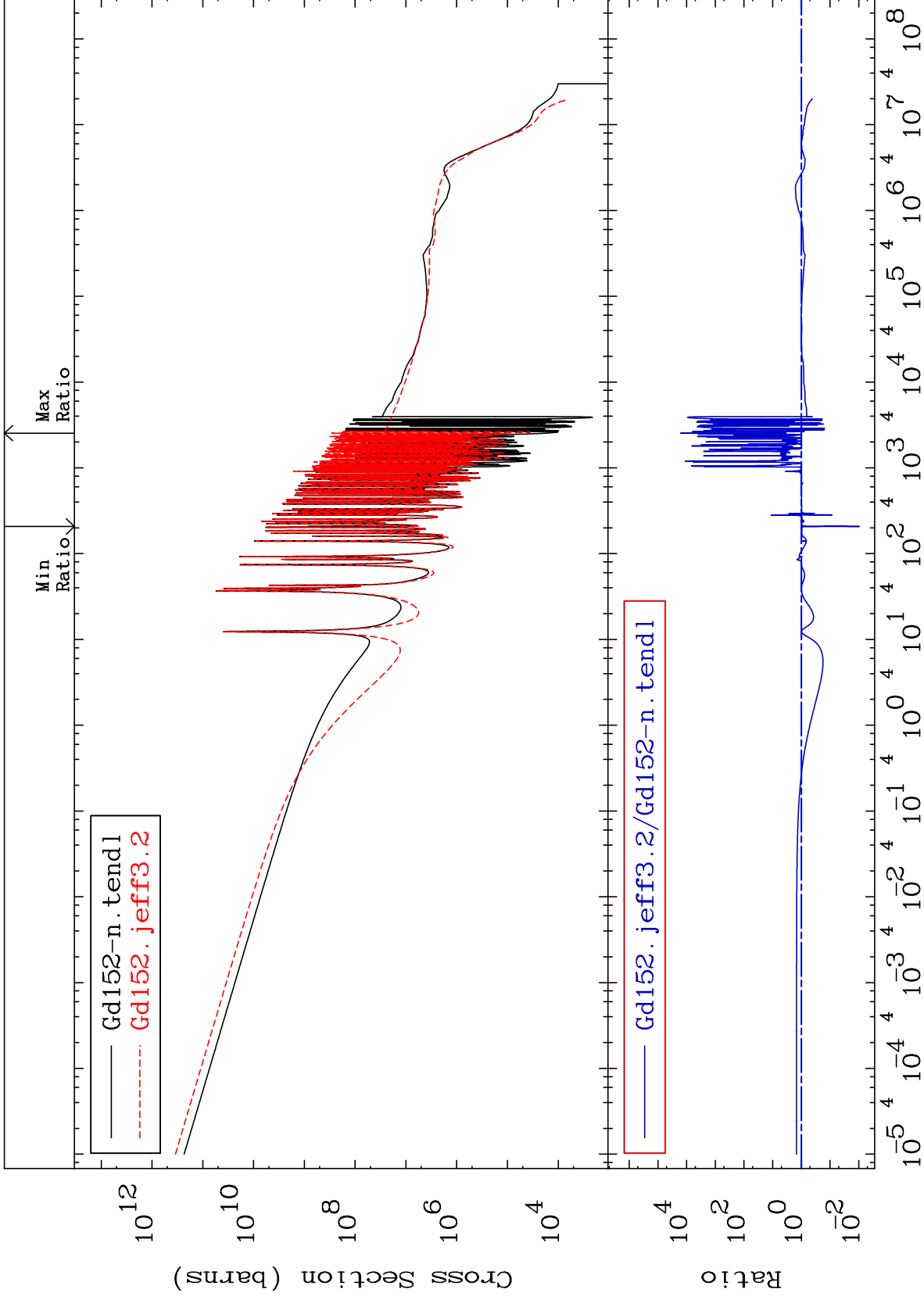










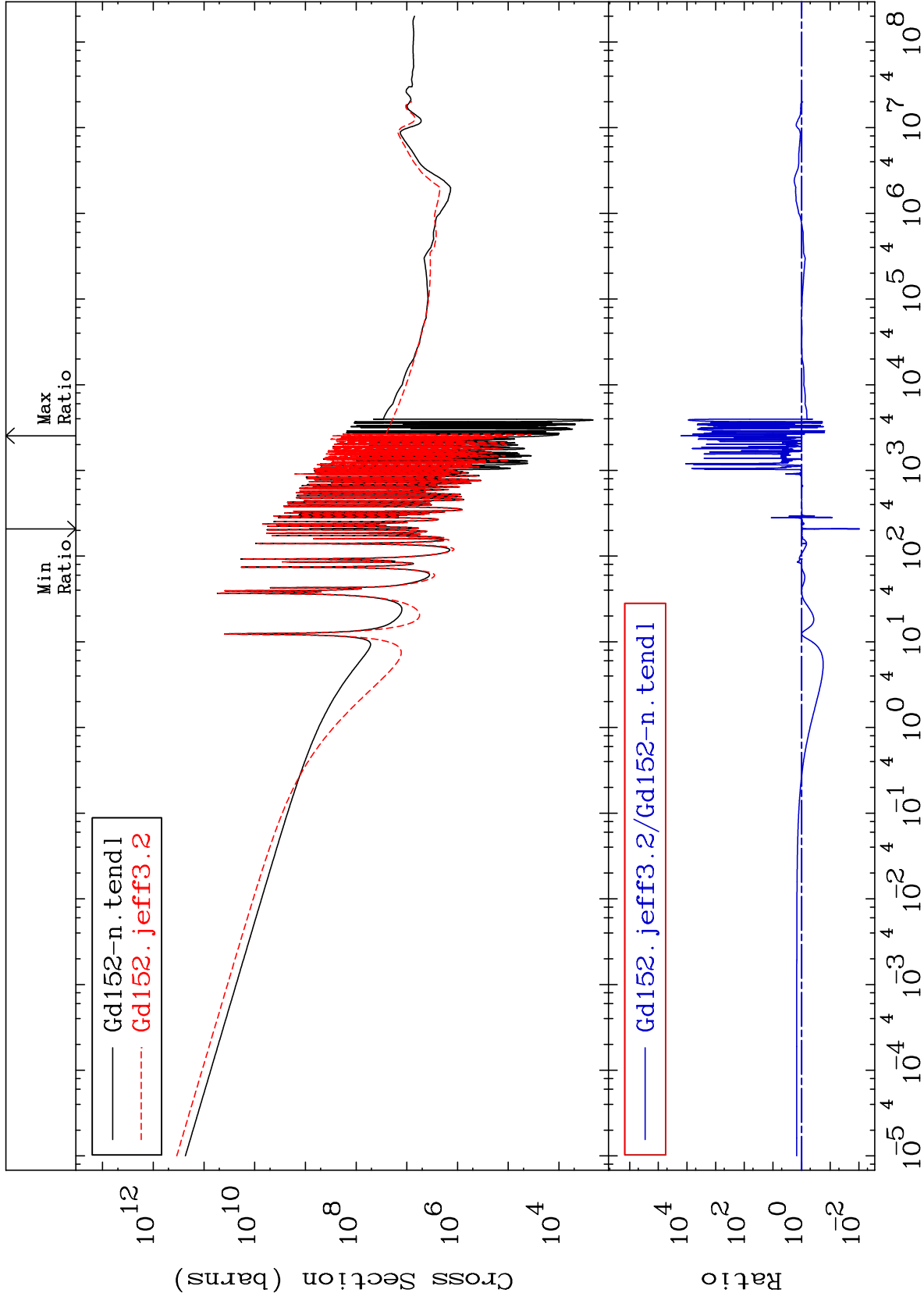


MAT 6425

Total photon (eV-barns)  
Cross Section

64-Gd-152

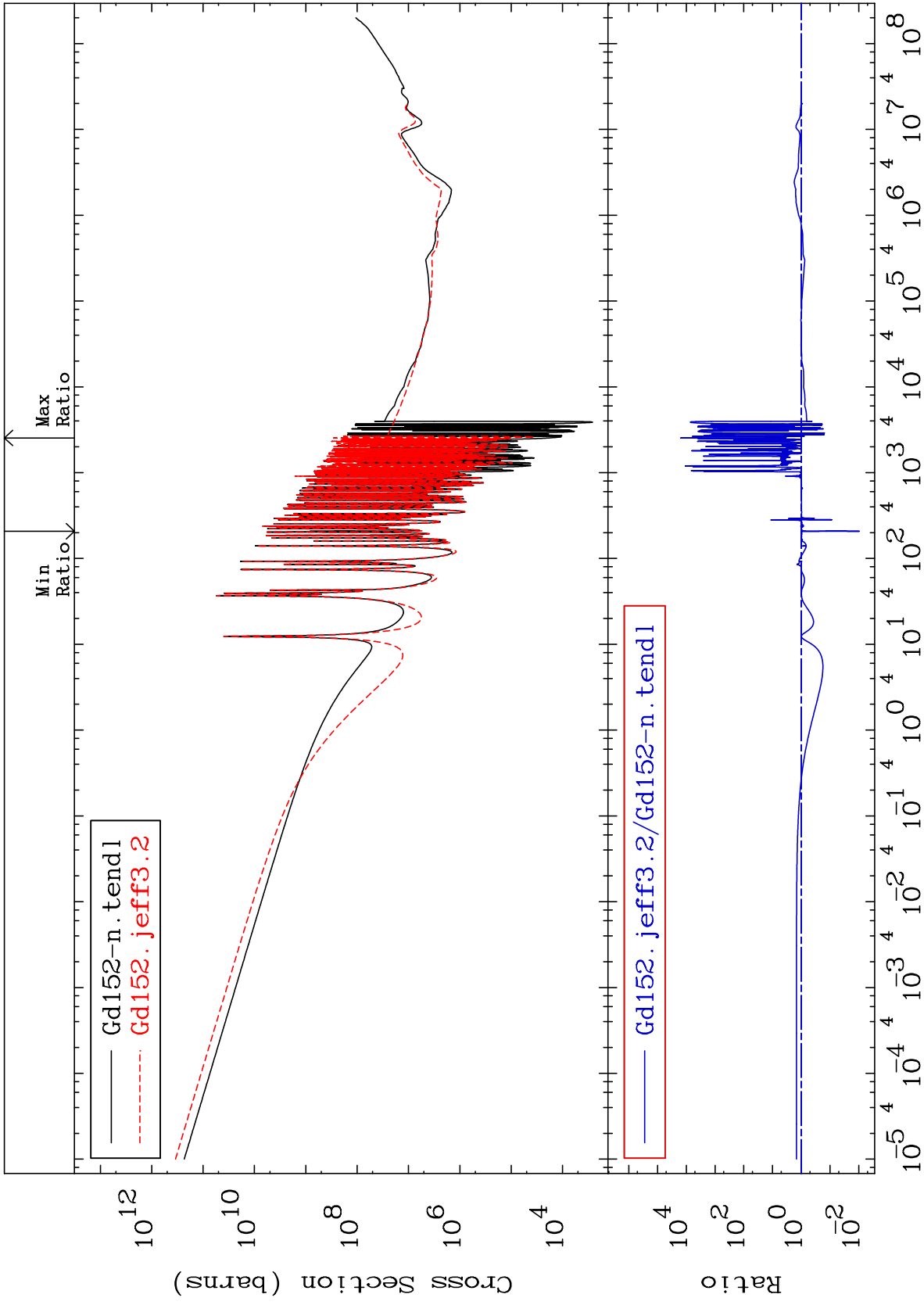
-99.05 To 9999. %



52

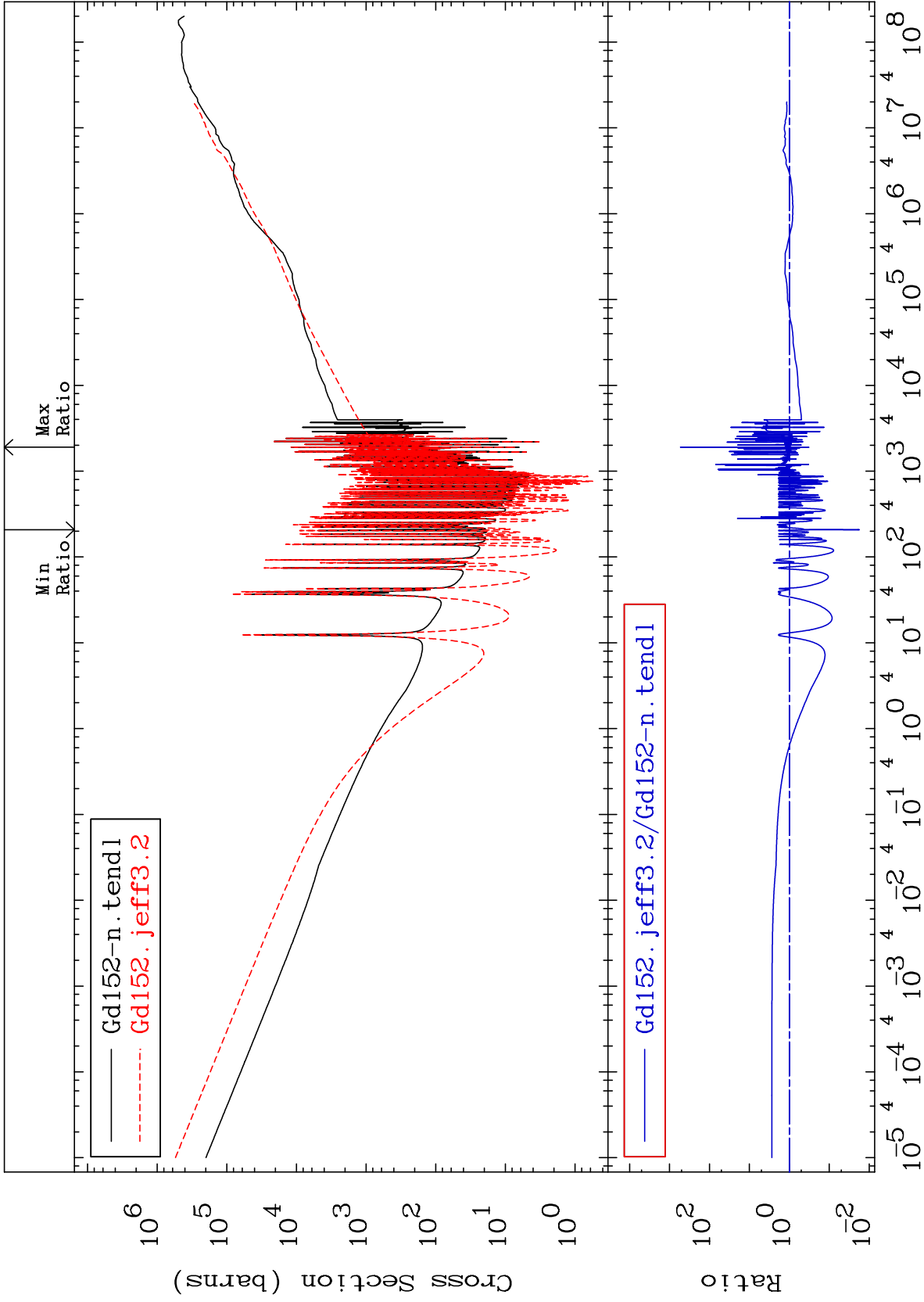
Incident Energy (eV)

64-Gd-152



Cross Section

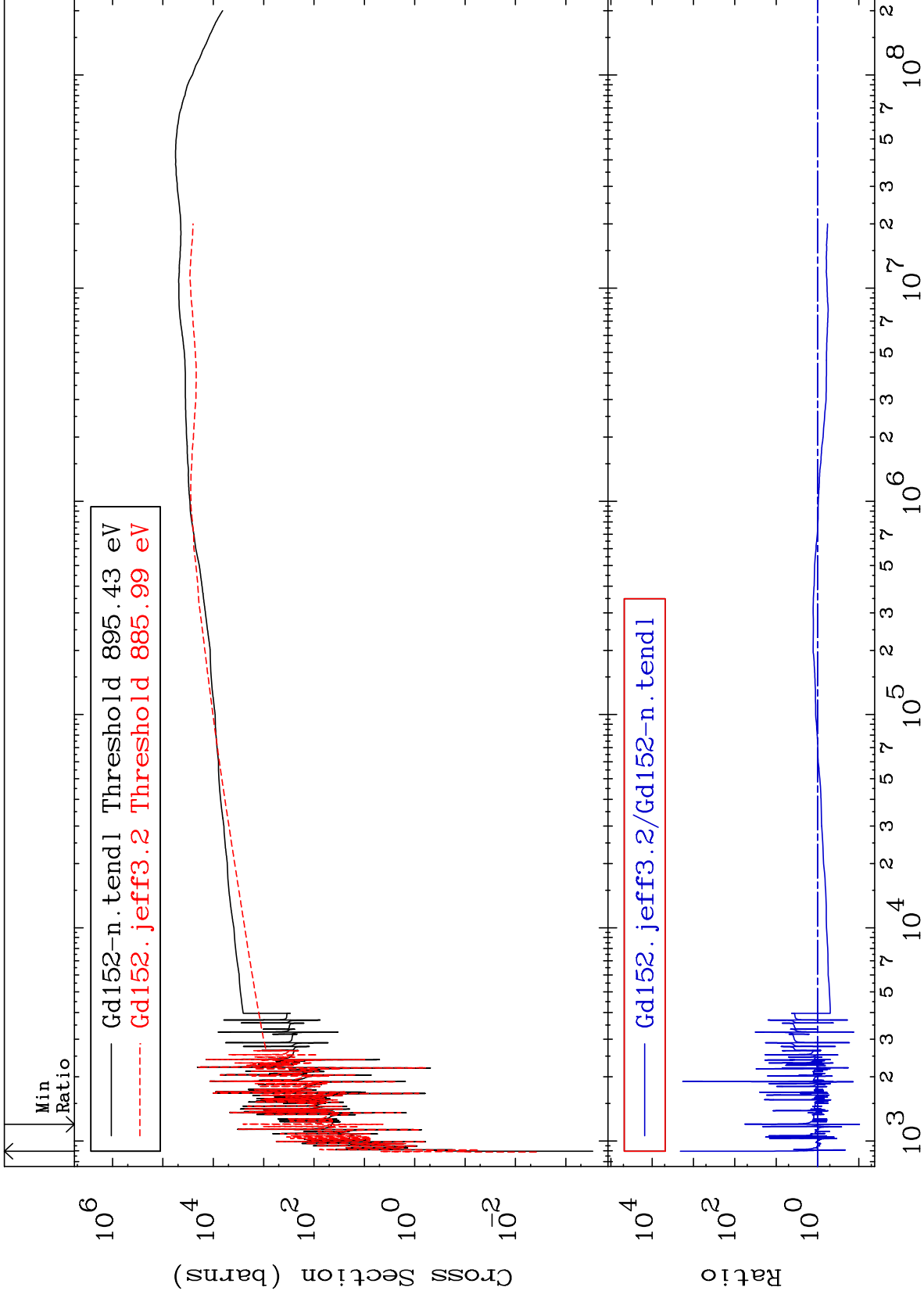
-98.25 To 9999. %



MAT 6425

Dpa elastic (mt2)  
Cross Section

64-Gd-152  
-90.36 To 9999. %



55

Incident Energy (eV)

64-Gd-152

