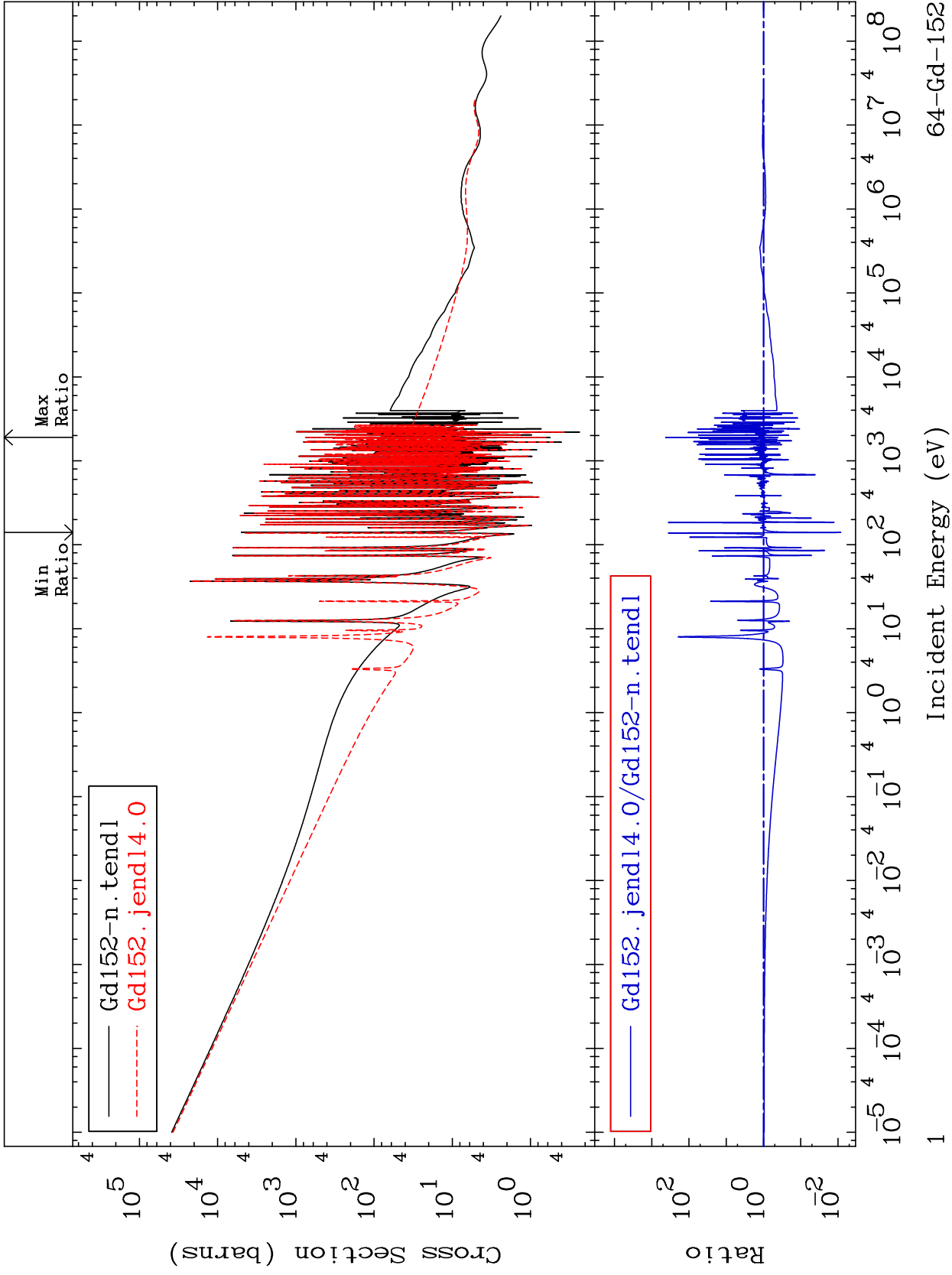


MAT 6425

Total  
Cross Section  
64-Gd-152  
-99.15 To 9999. %



64-Gd-152

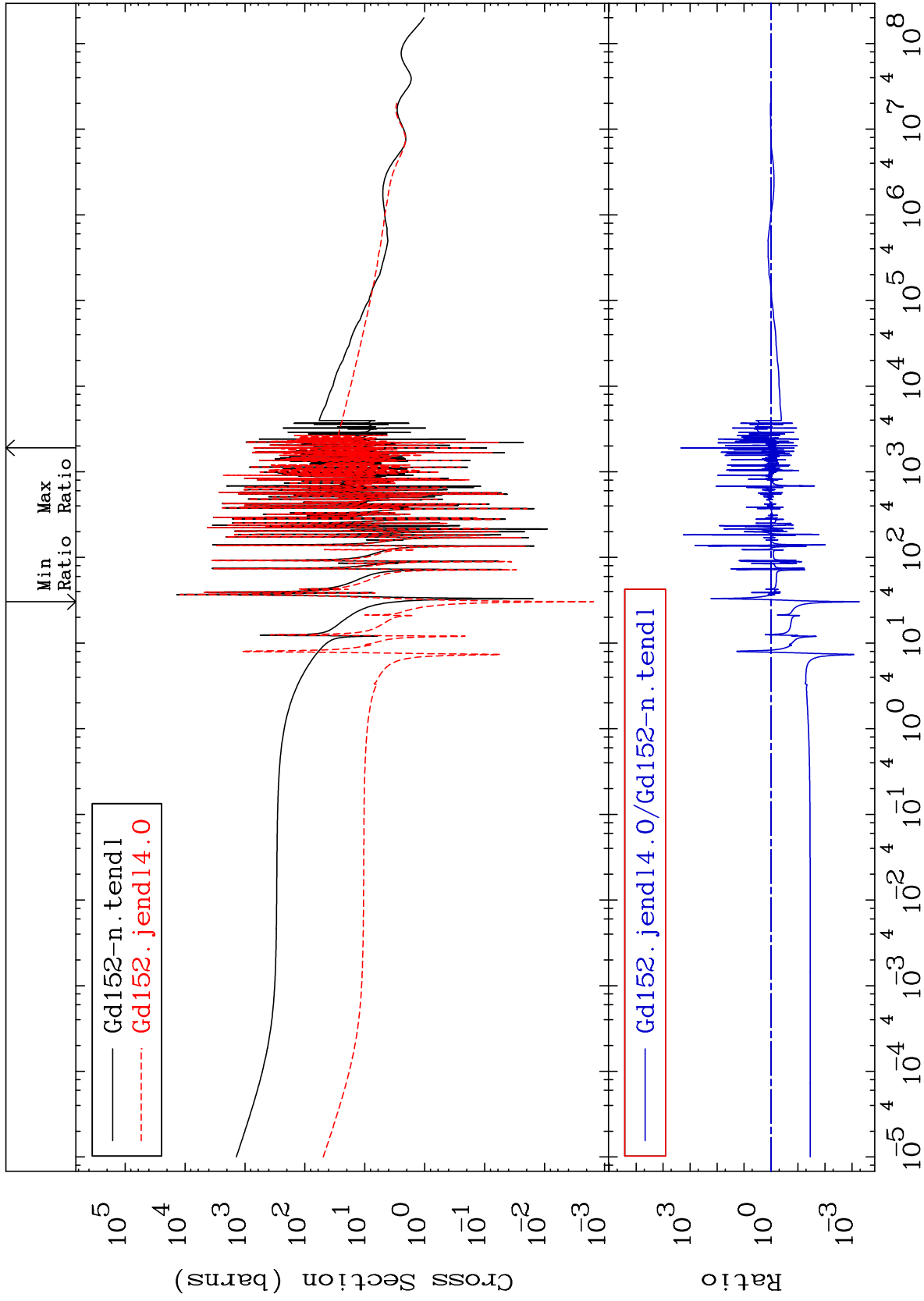
MAT 6425

Elastic

64-Gd-152

Cross Section

-99.95 To 9999. %



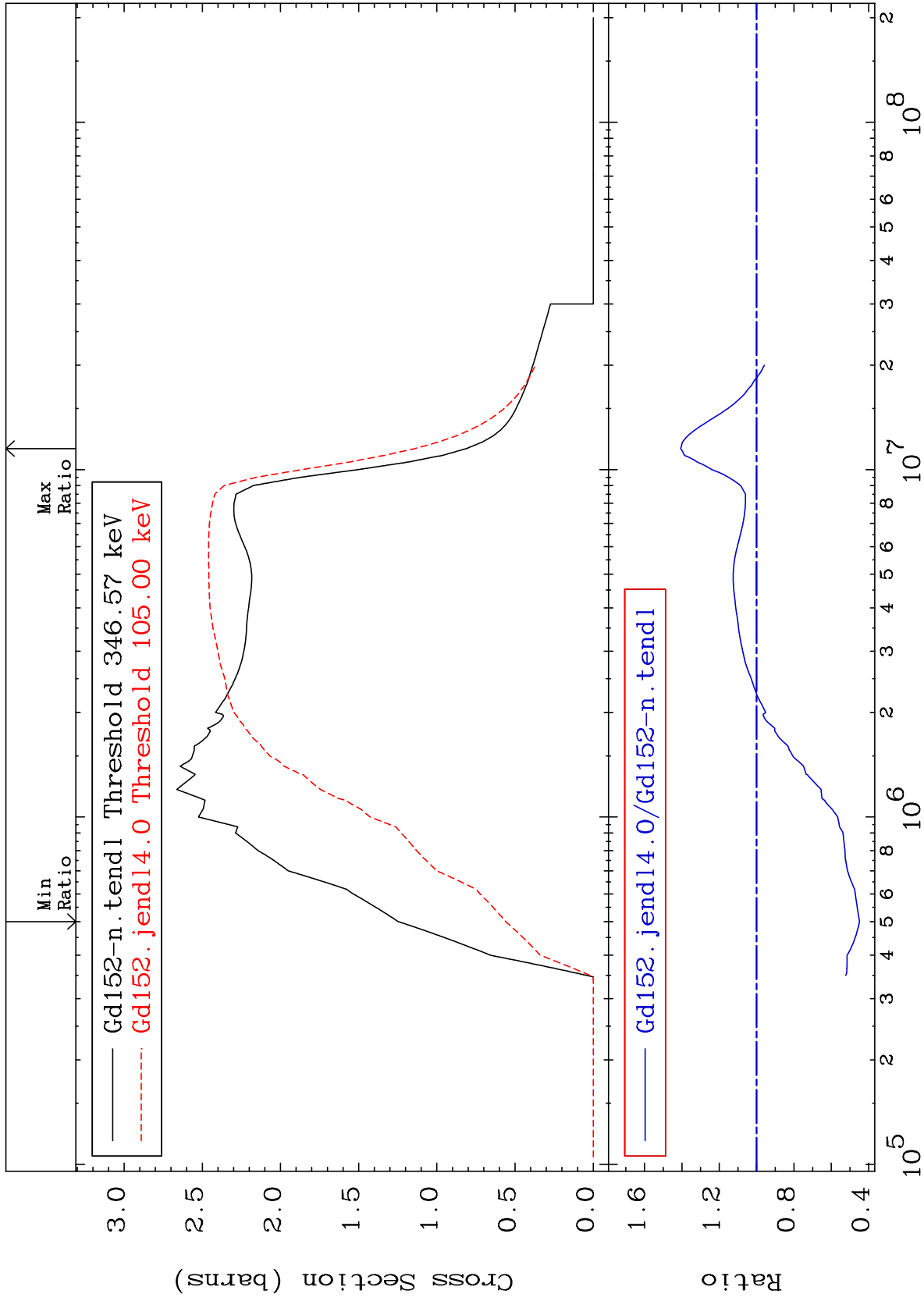
2

Incident Energy (eV)

64-Gd-152

MAT 6425

Inelastic Cross Section  
64-Gd-152  
-55.13 To 40.60 %



64-Gd-152

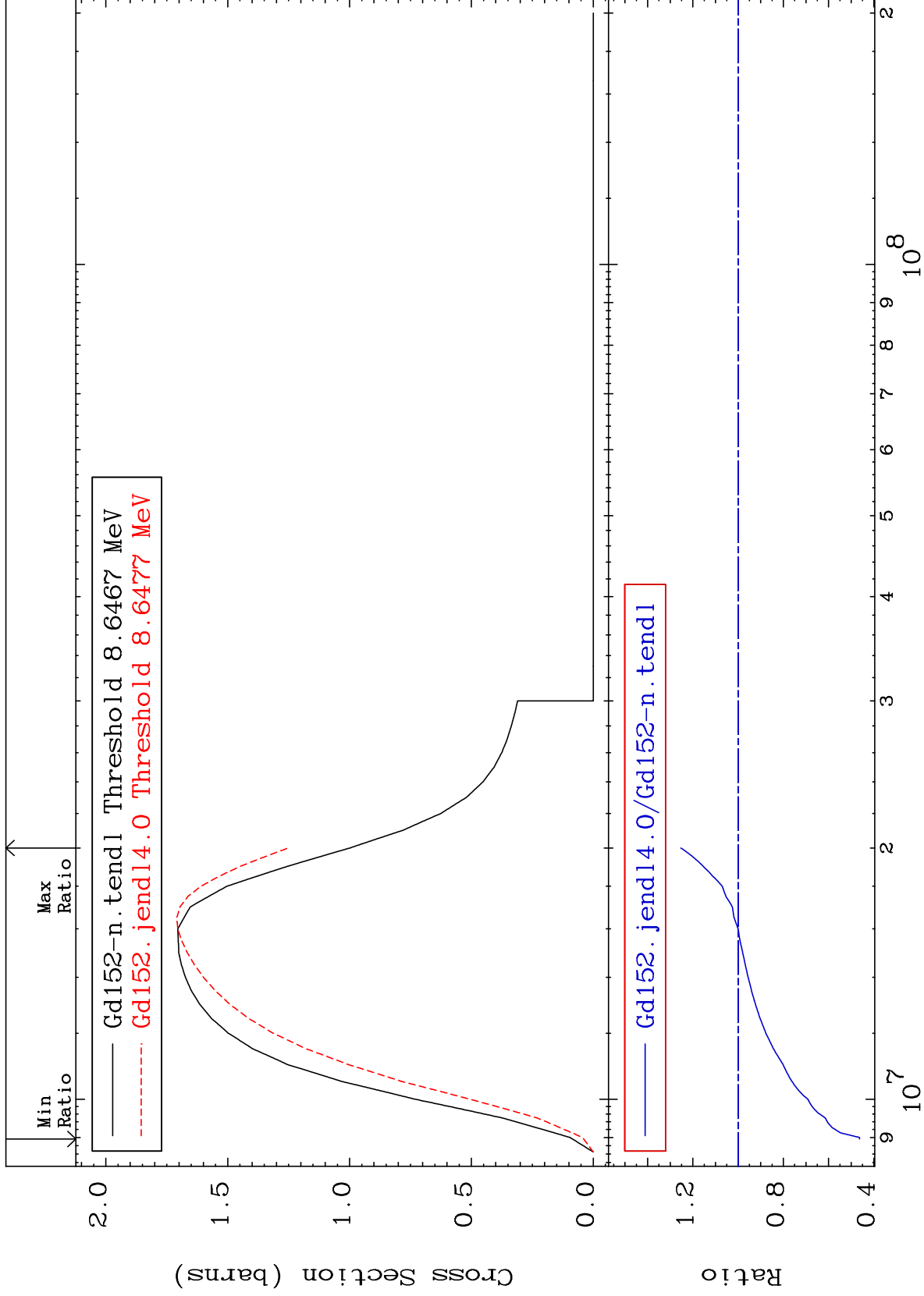
Incident Energy (eV)

3

MAT 6425

(n,2n)  
Cross Section

64-Gd-152  
-53.69 To 25.34 %



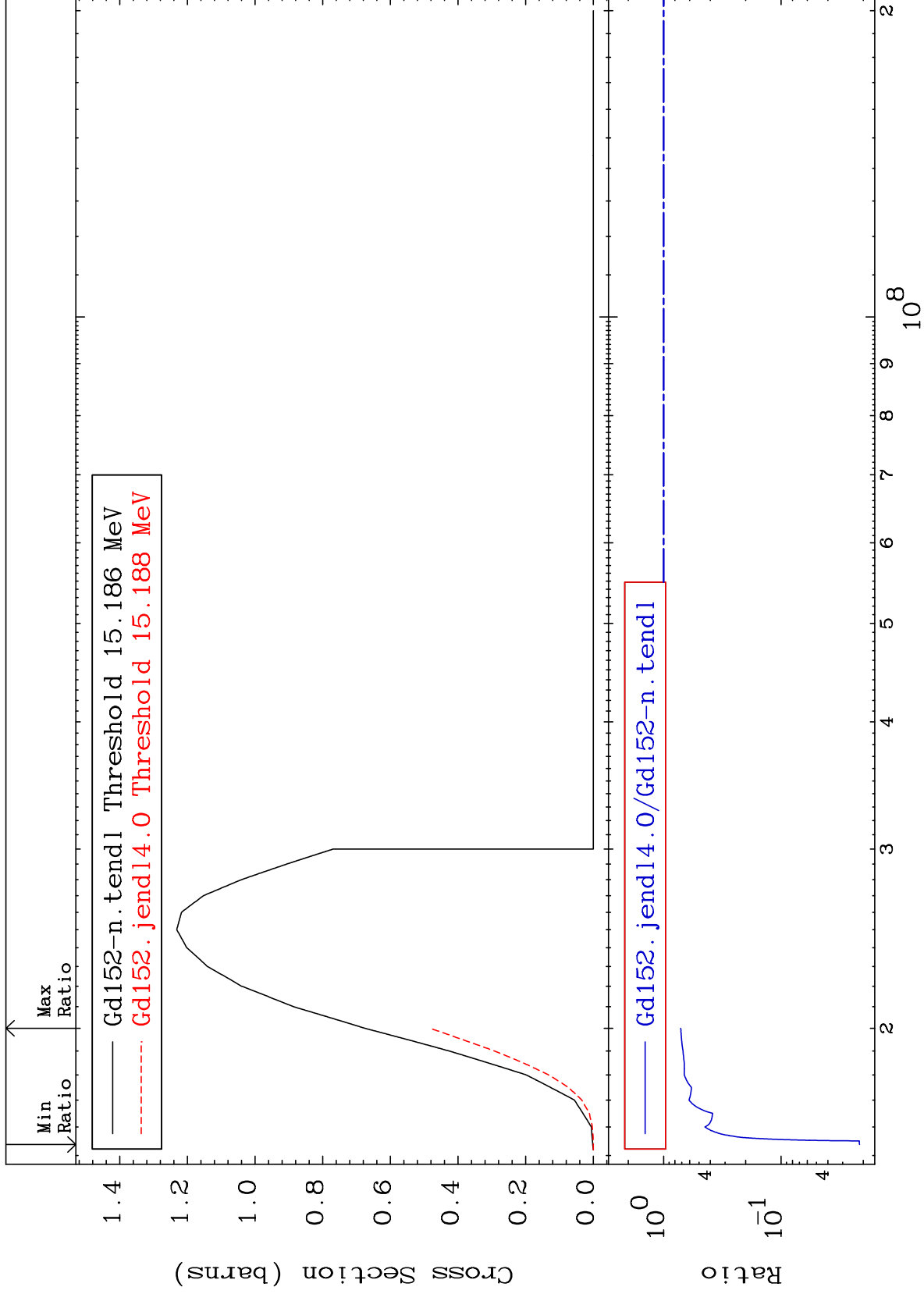
4

Incident Energy (eV)

64-Gd-152

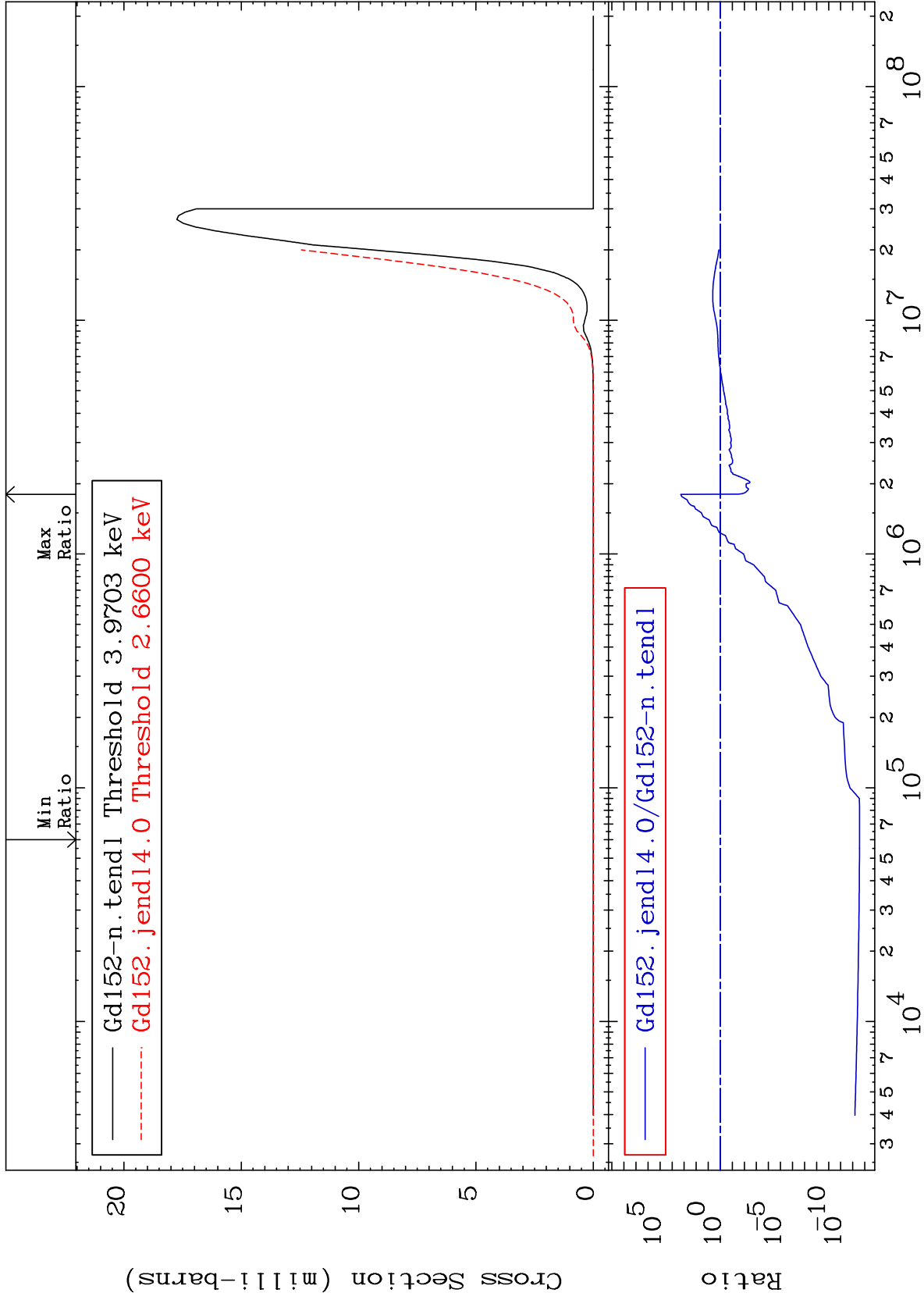
Cross Section

-97.85 To -28.57%



MAT 6425

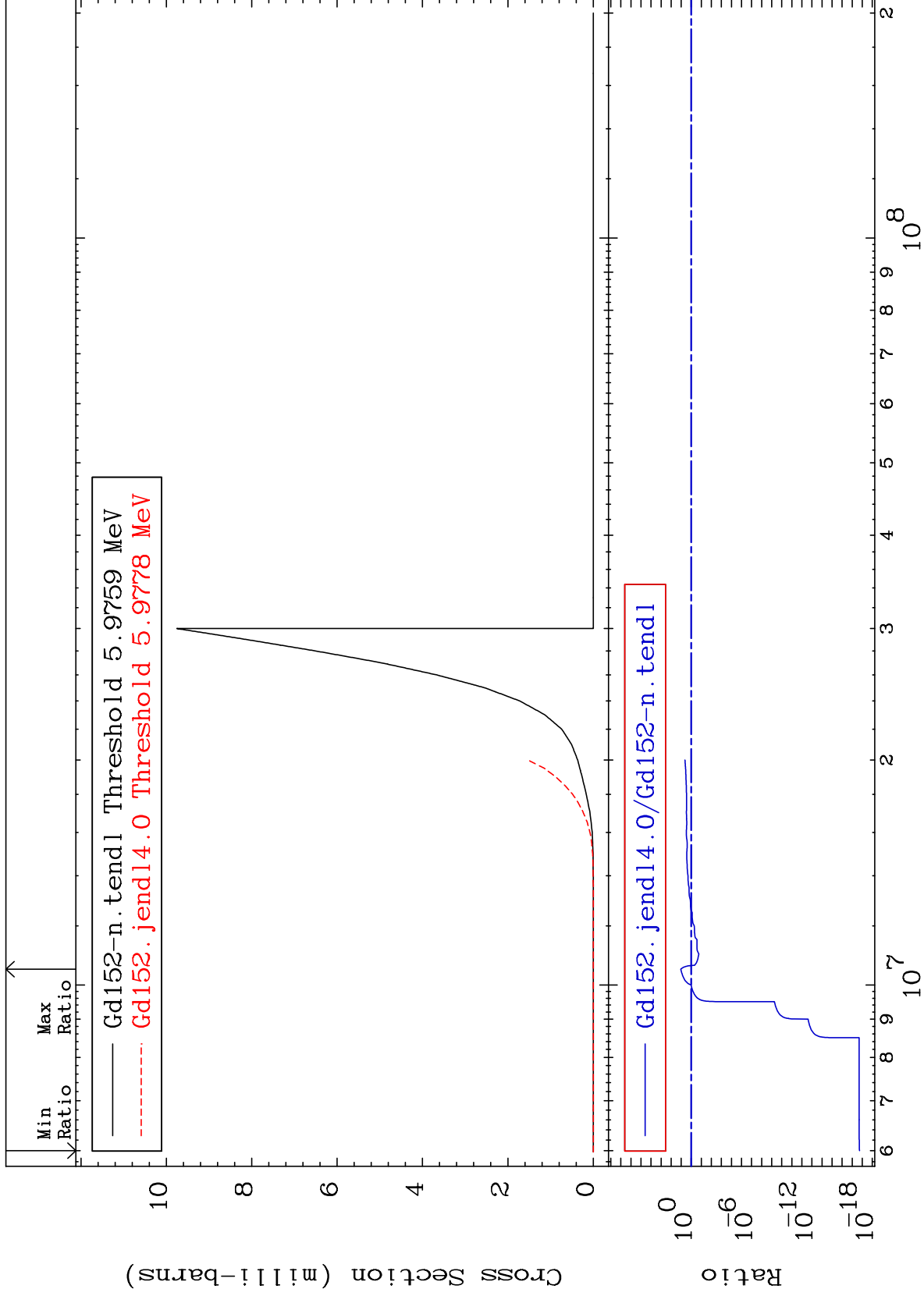
$(n, n') \alpha$   
Cross Section  
64-Gd-152  
-100.0 To 9999. %



MAT 6425

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

64-Gd-152  
-100.0 To 997.2 %



7

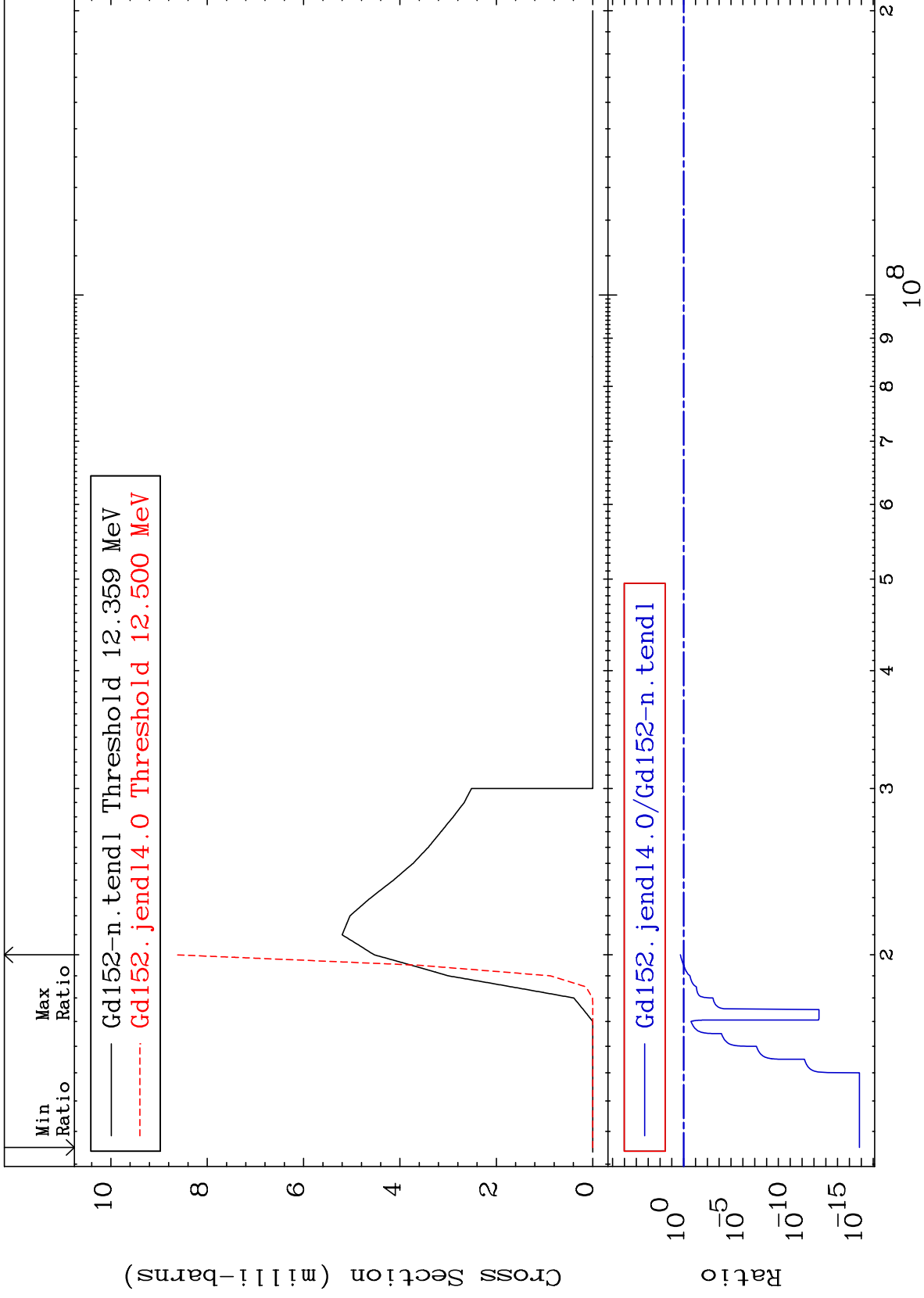
Incident Energy (eV)

64-Gd-152

MAT 6425

(n,3n)  $\alpha$   
Cross Section

64-Gd-152  
-100.0 To 90.90 %

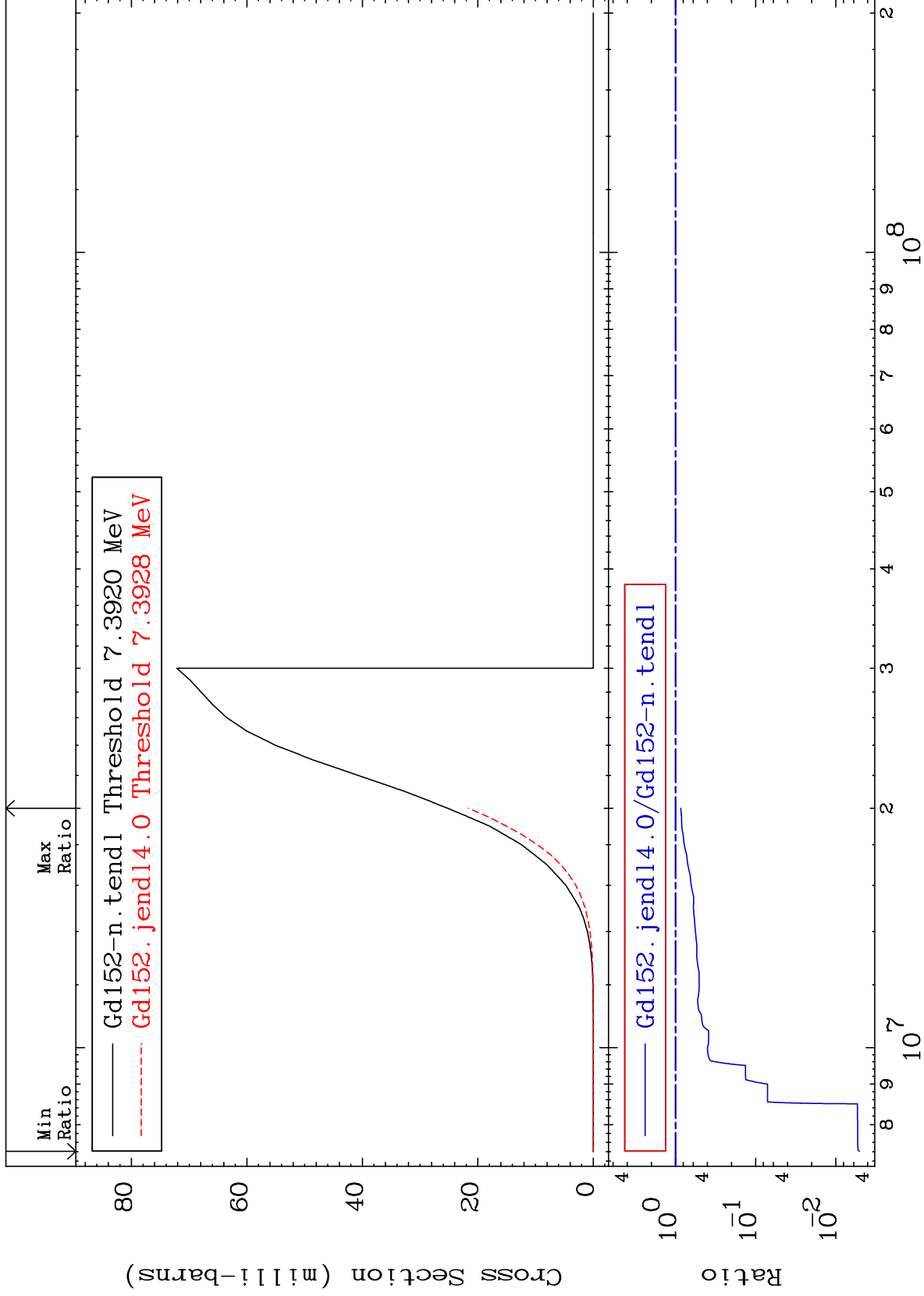




MAT 6425

(n,n') p  
Cross Section

64-Gd-152  
-99.49 To -14.12%



9

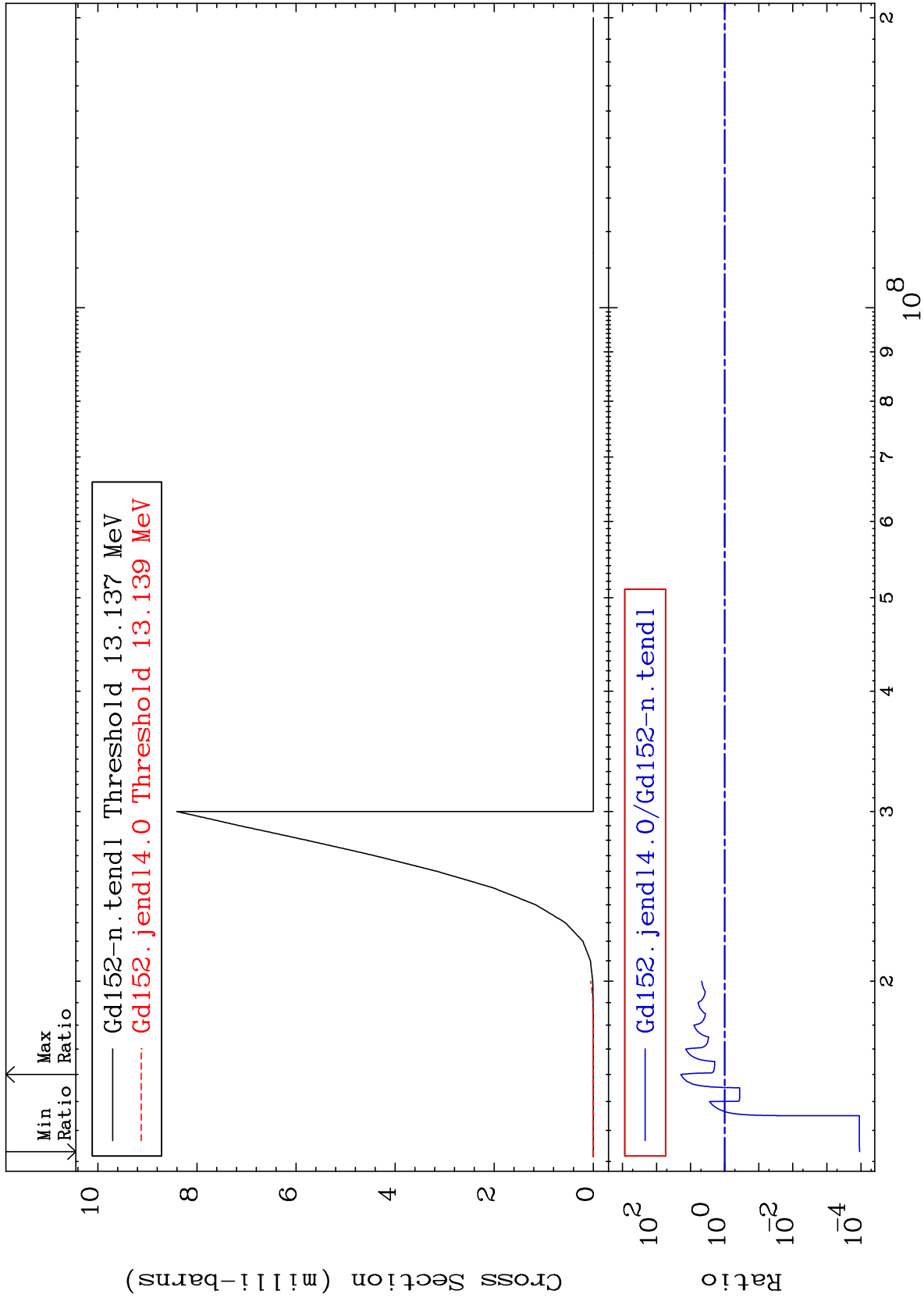
64-Gd-152

64-Gd-152

MAT 6425

(n, n') d  
Cross Section

64-Gd-152  
-99.99 To 1839. %



10

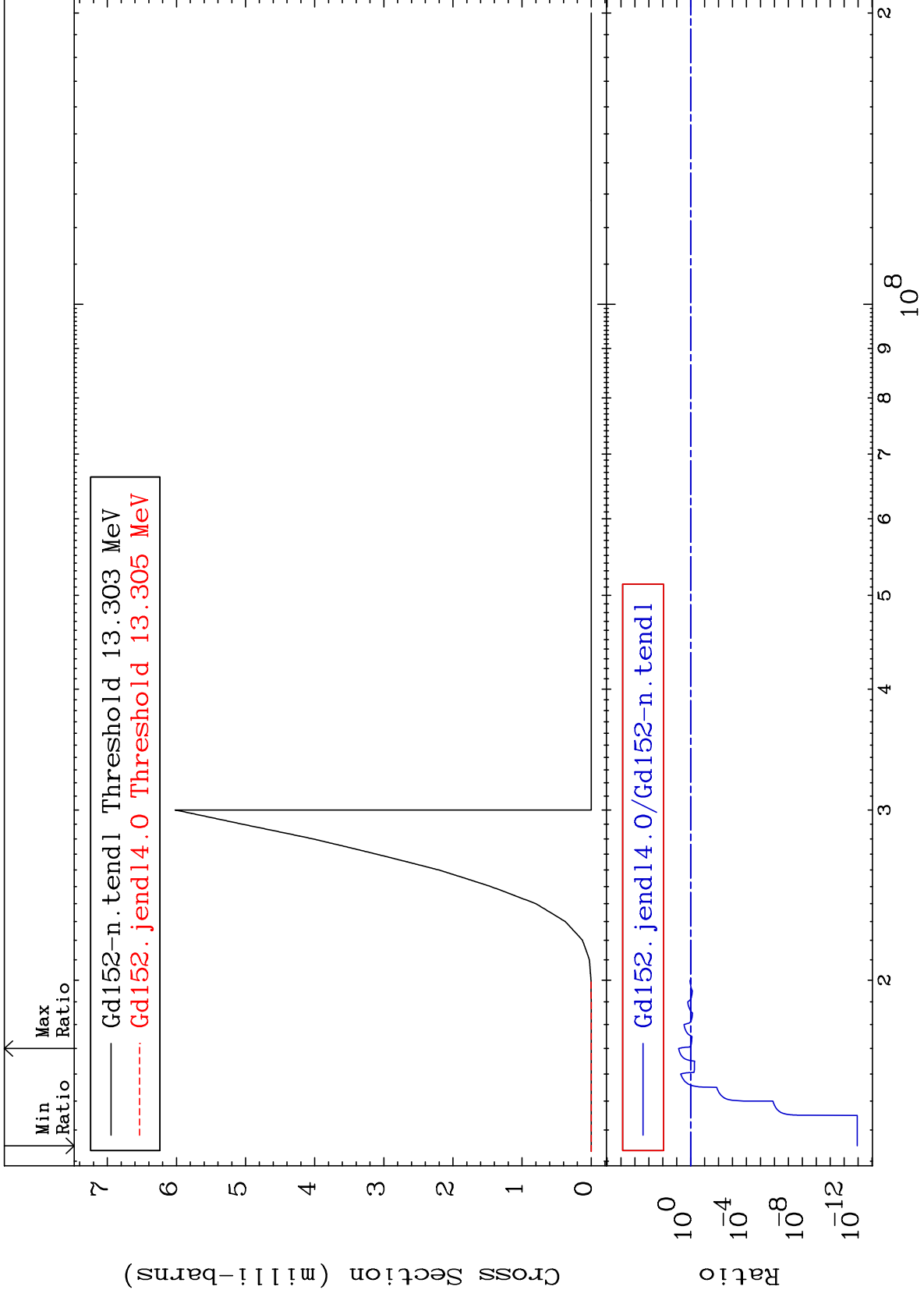
Incident Energy (eV)

64-Gd-152

MAT 6425

(n,n') t  
Cross Section

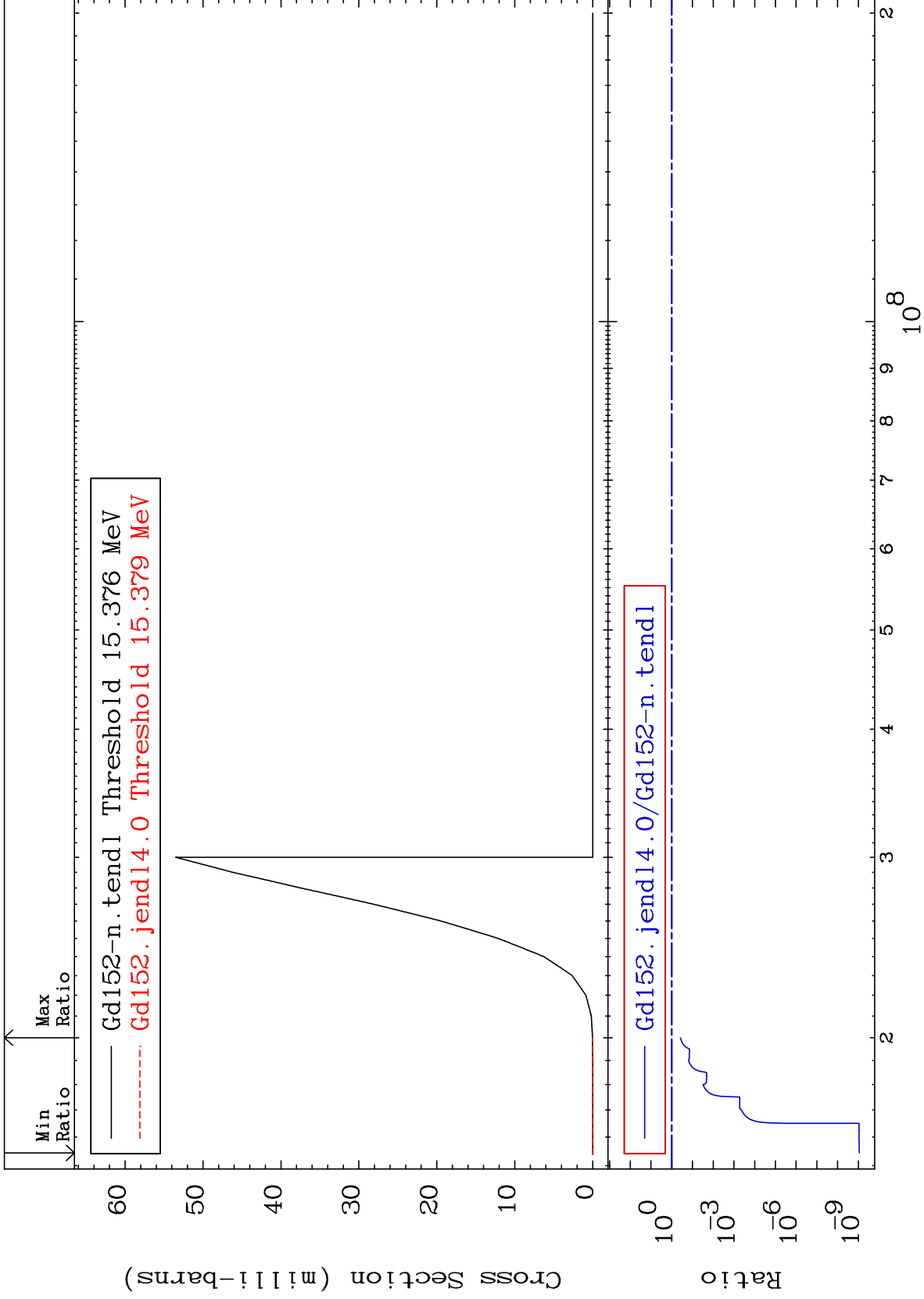
64-Gd-152  
-100.0 To 630.7 %



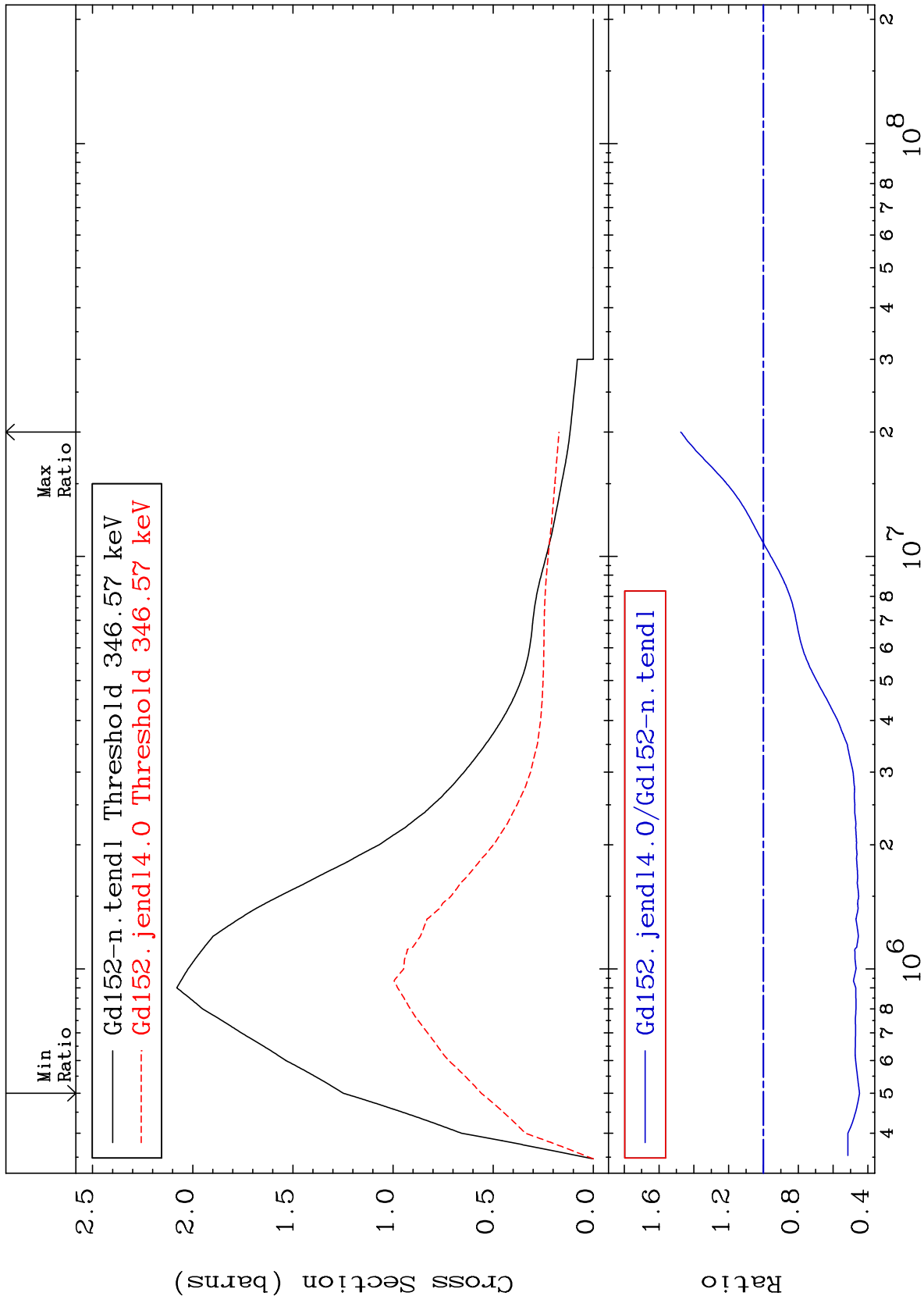
MAT 6425

(n,2n) p  
Cross Section

64-Gd-152  
-100.0 To -61.61%



MAT 6425 344.3 keV (n,n') Level 64-Gd-152  
 Cross Section -55.20 To 47.51 %



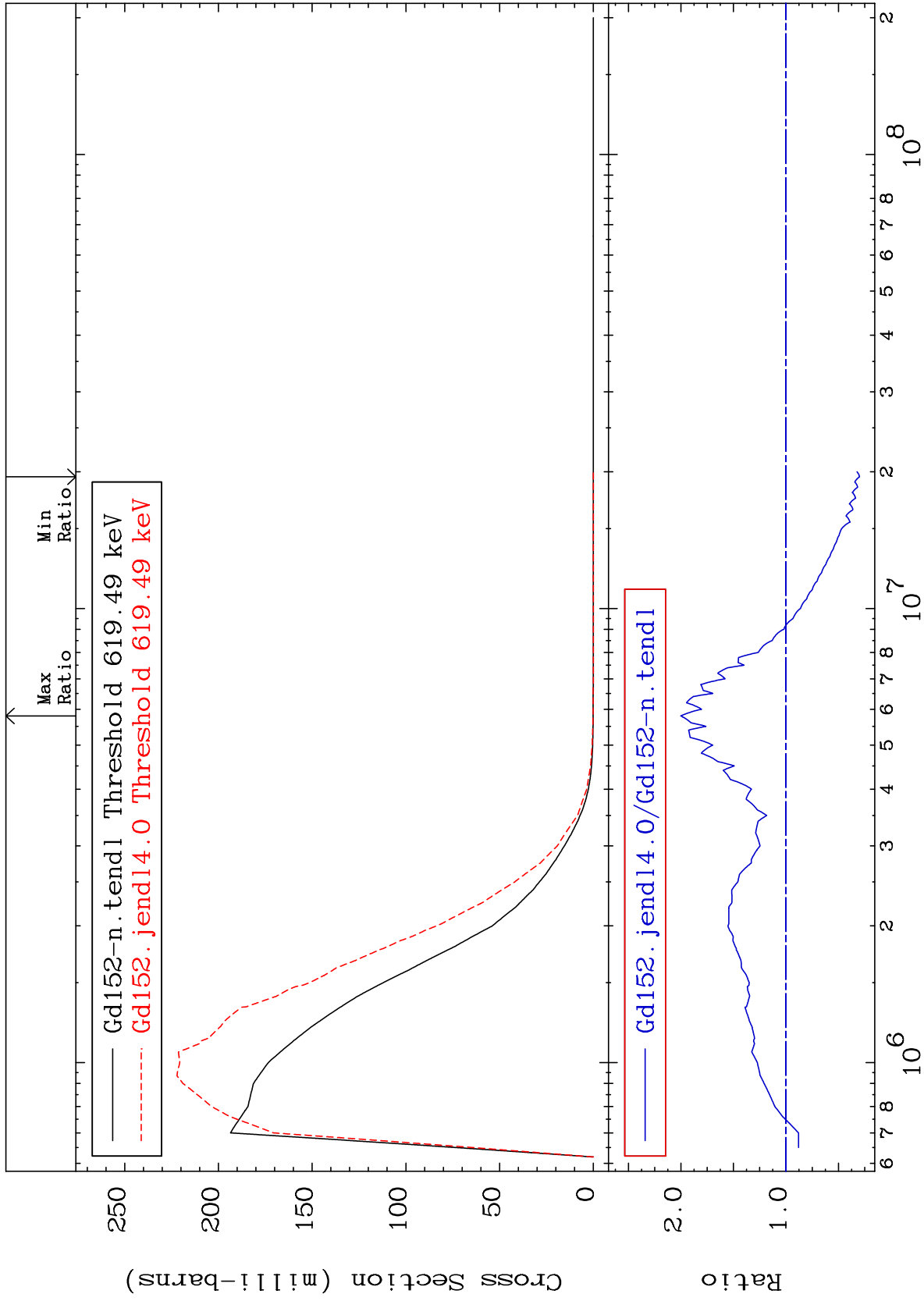
MAT 6425

615.4 keV (n,n') Level

64-Gd-152

-70.08 To 100.1 %

Cross Section



14

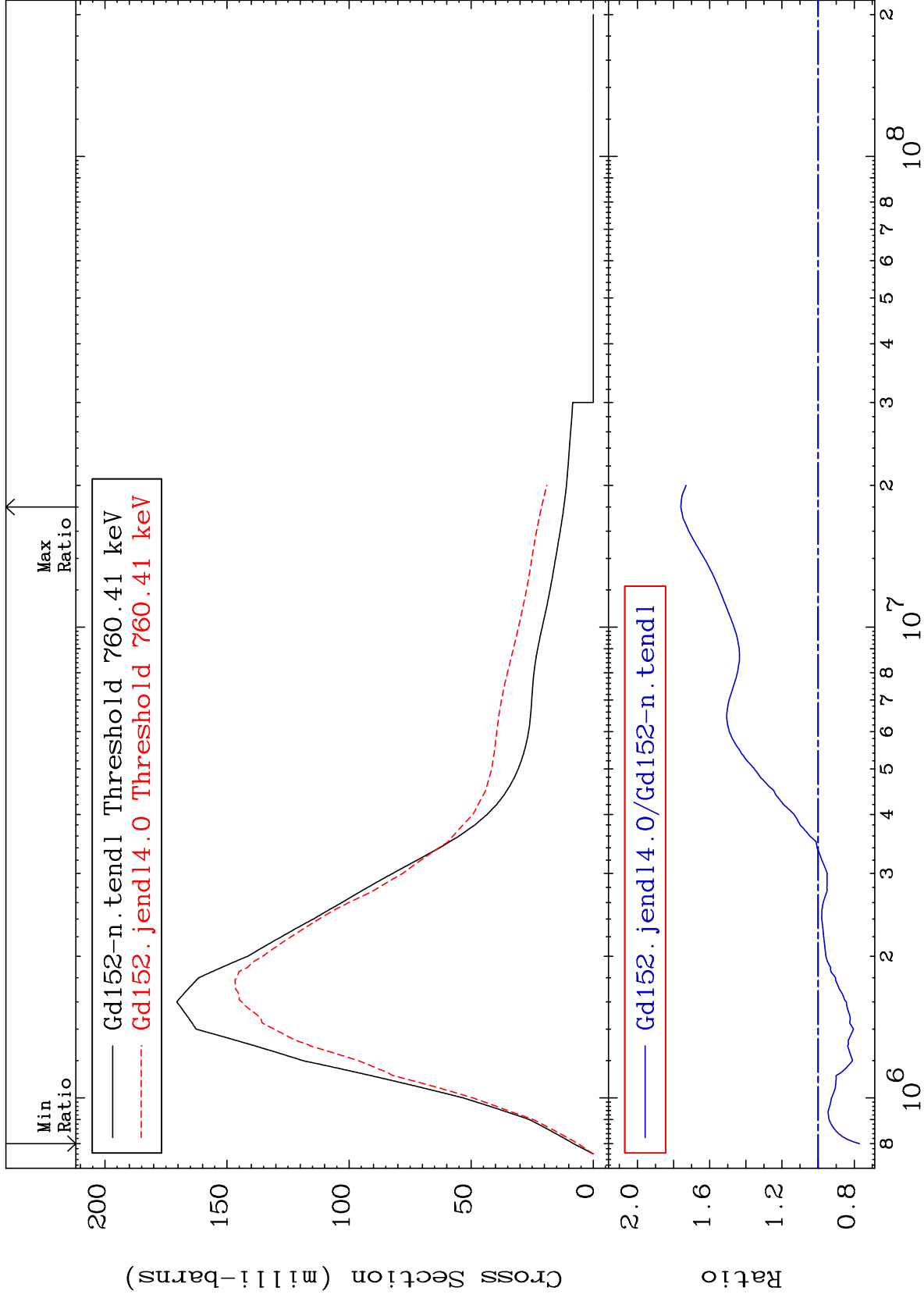
Incident Energy (eV)

64-Gd-152

MAT 6425

755.4 keV (n,n') Level  
Cross Section

64-Gd-152  
-22.94 To 76.00 %

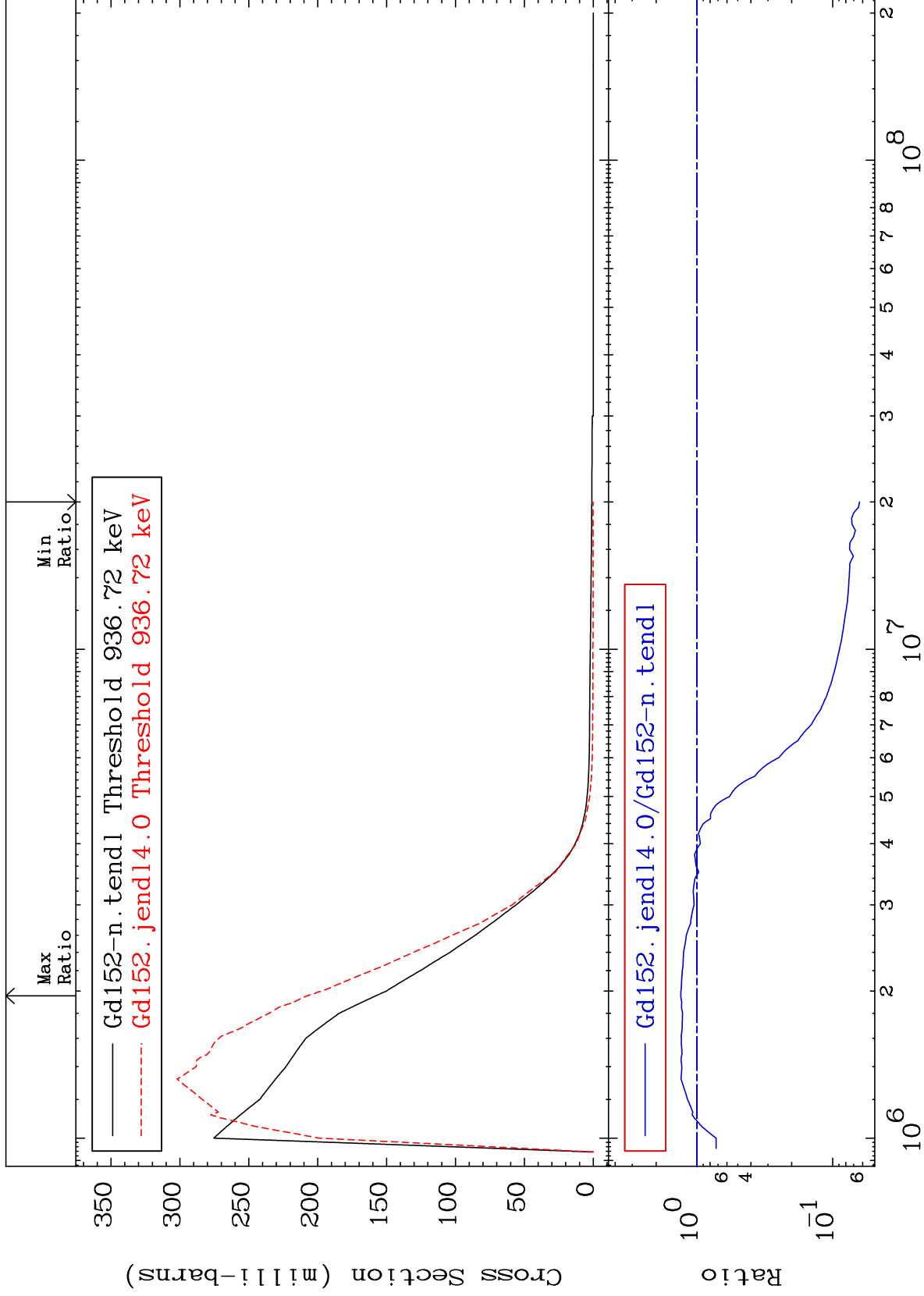


15

MAT 6425

930.5 keV (n,n') Level  
Cross Section

64-Gd-152  
-93.67 To 31.57 %



16

Incident Energy (eV)

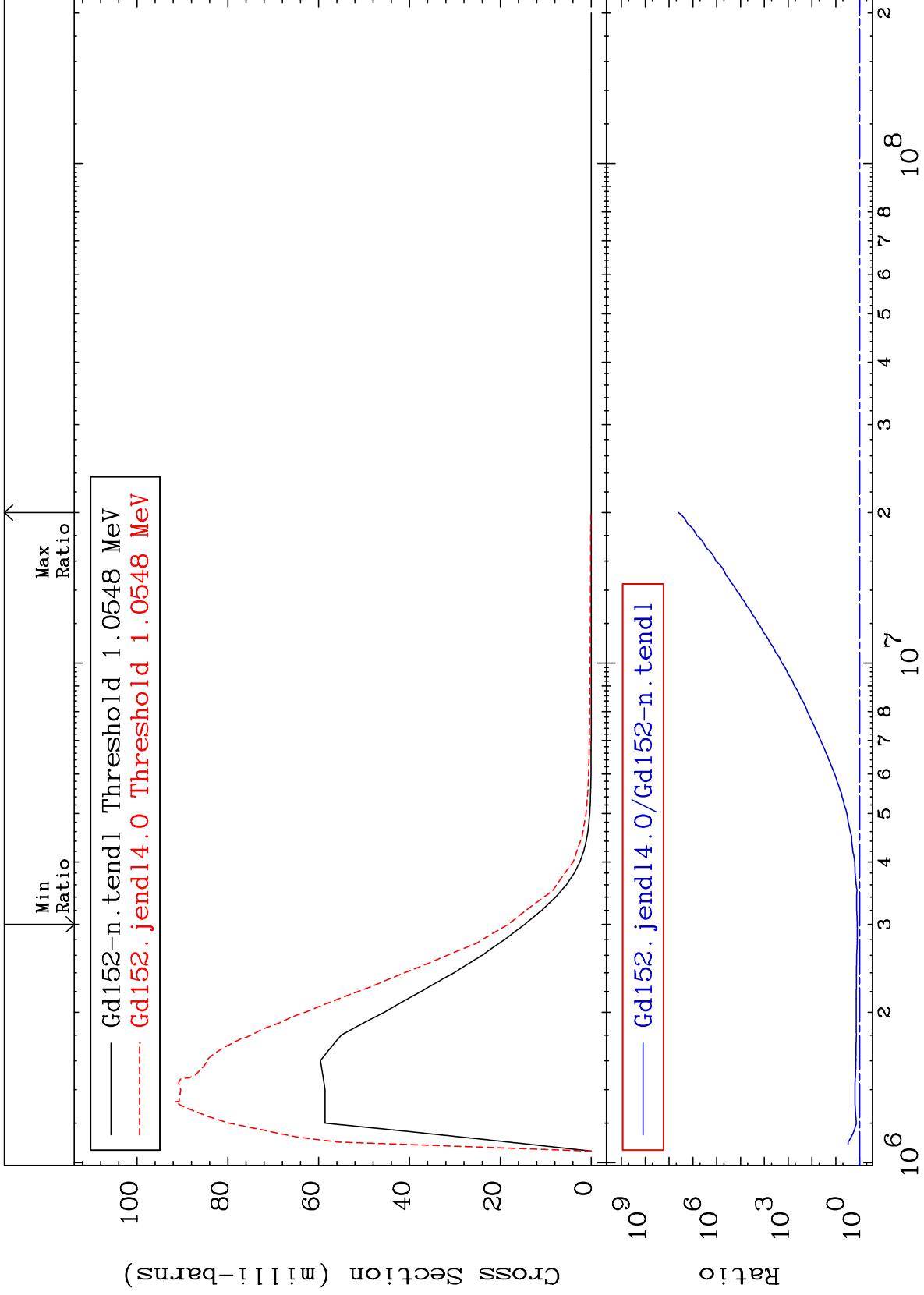
64-Gd-152



MAT 6425

1.048 MeV (n,n') Level  
Cross Section

64-Gd-152  
24.72 To 9999. %



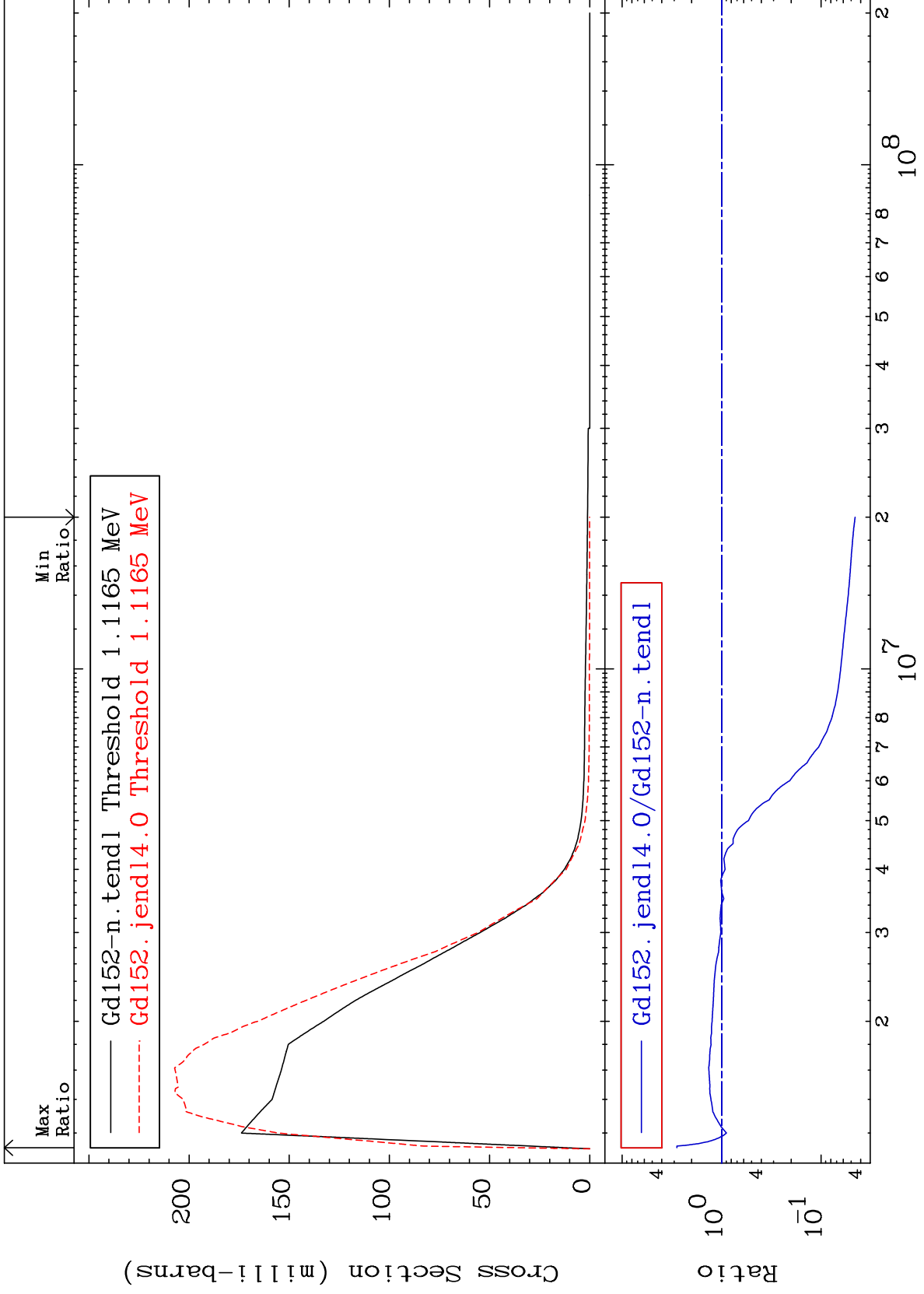
17

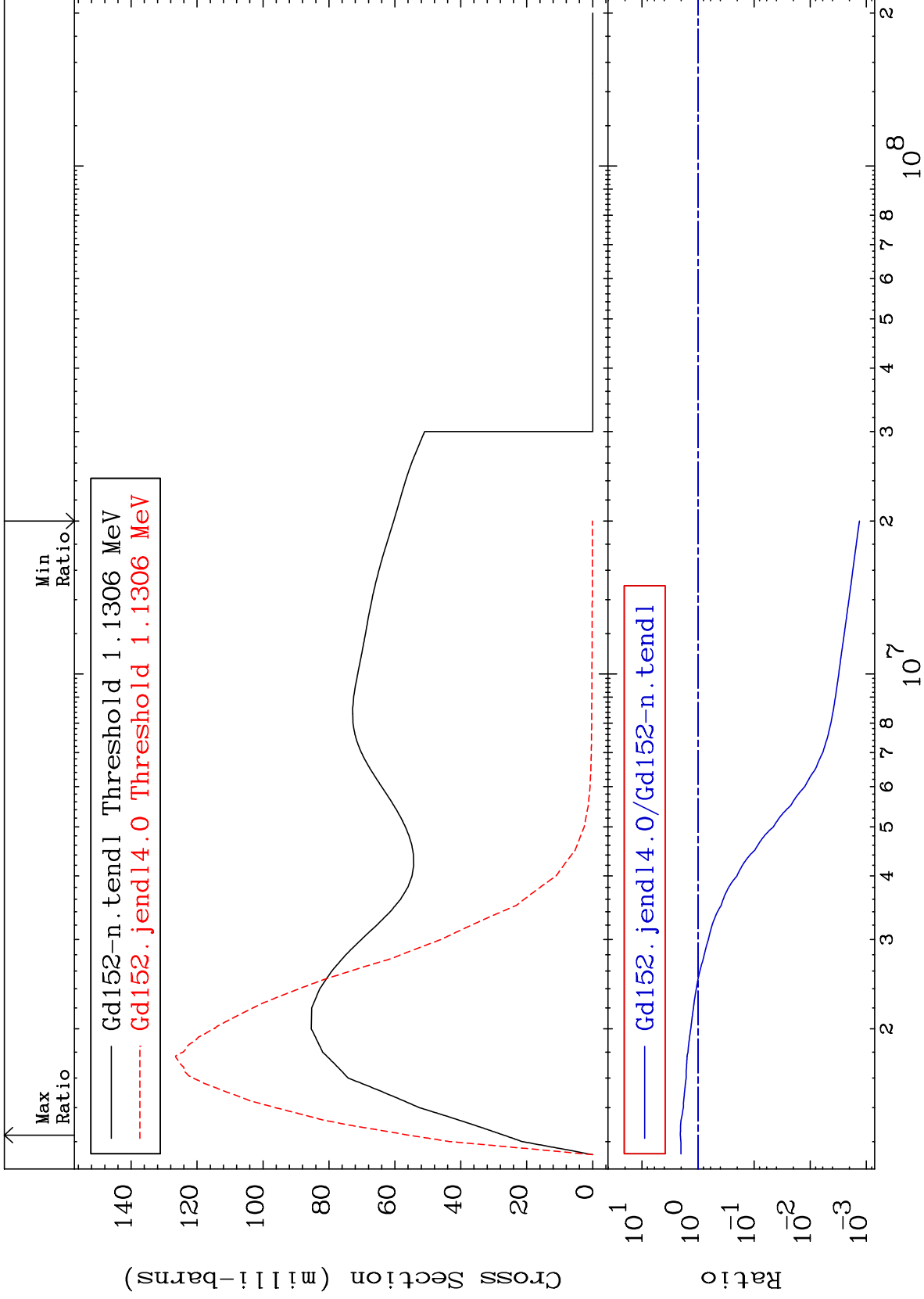
64-Gd-152

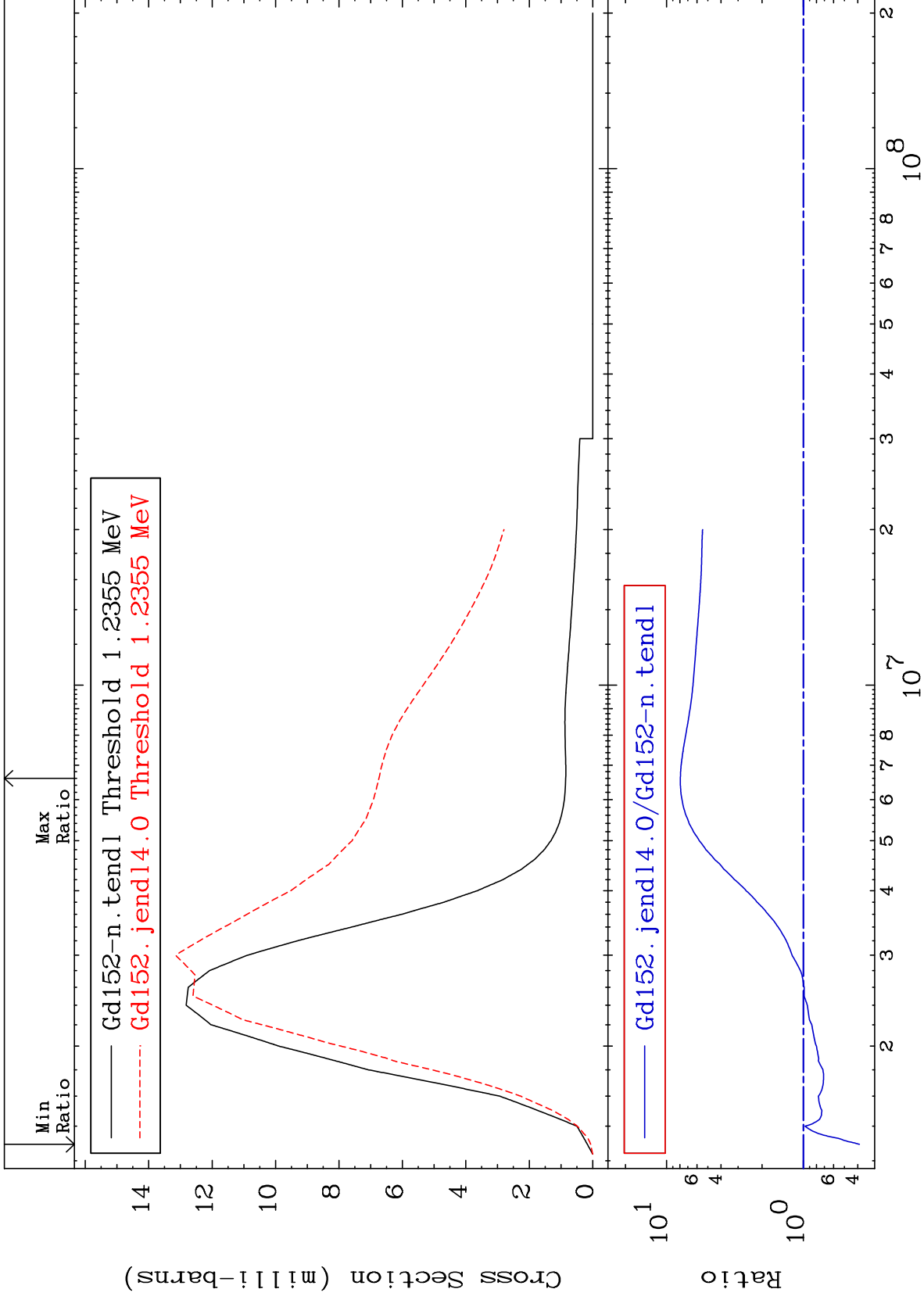
MAT 6425

1.109 MeV (n,n') Level  
Cross Section

64-Gd-152  
-95.45 To 181.6 %



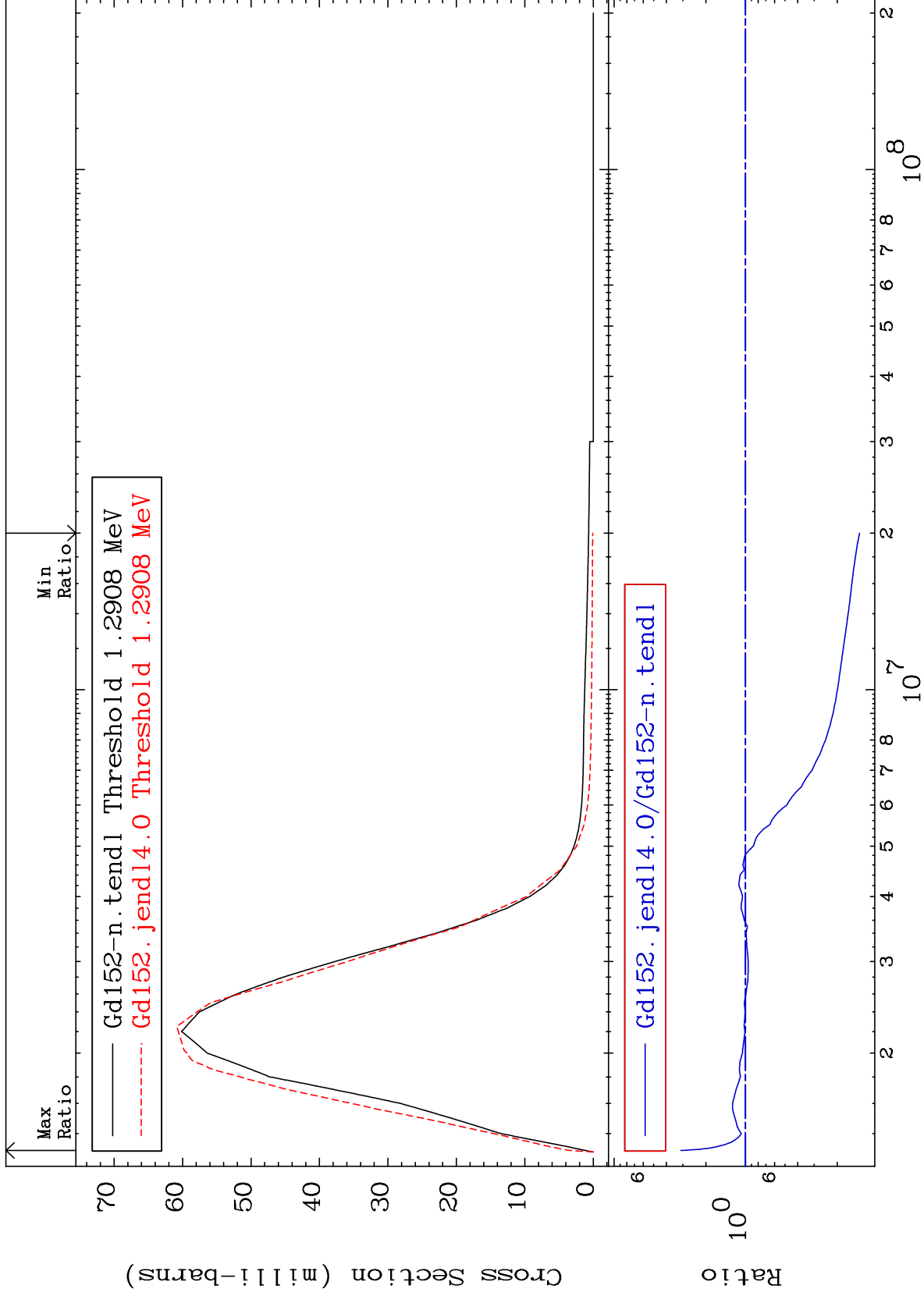




MAT 6425

1.282 MeV (n,n') Level  
Cross Section

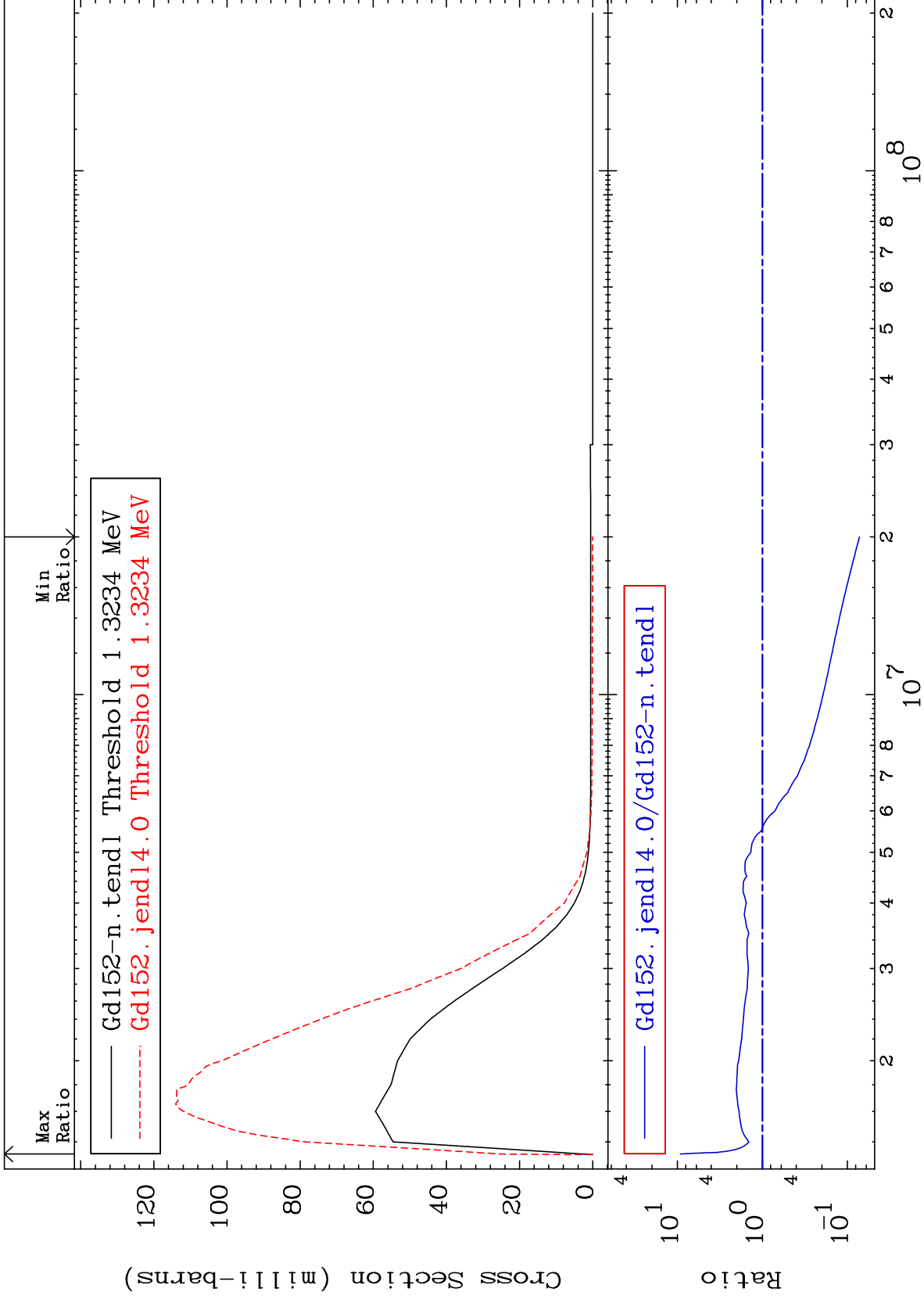
64-Gd-152  
-86.46 To 210.6 %



MAT 6425

1.315 MeV (n,n') Level  
Cross Section

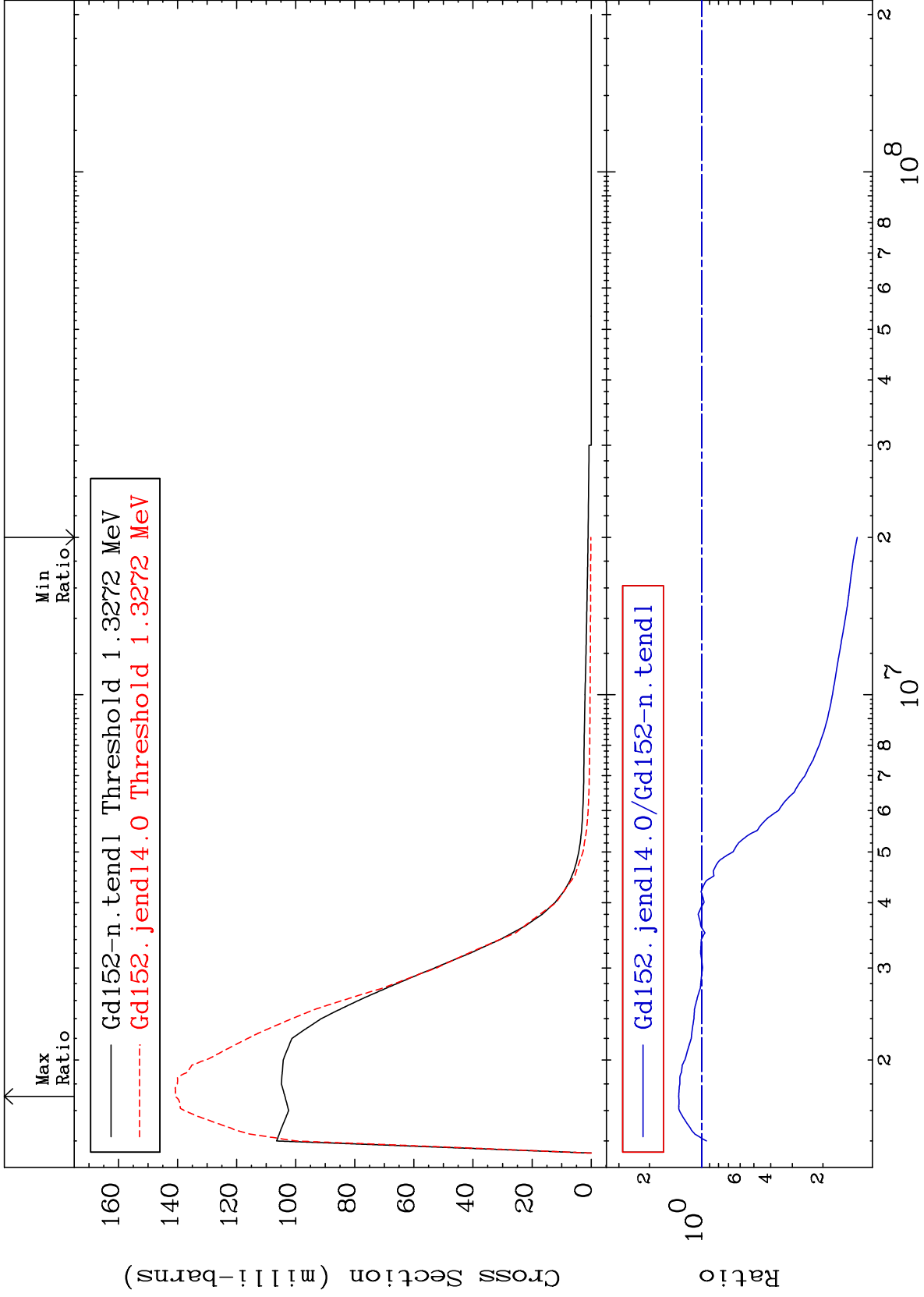
64-Gd-152  
-92.79 To 824.6 %



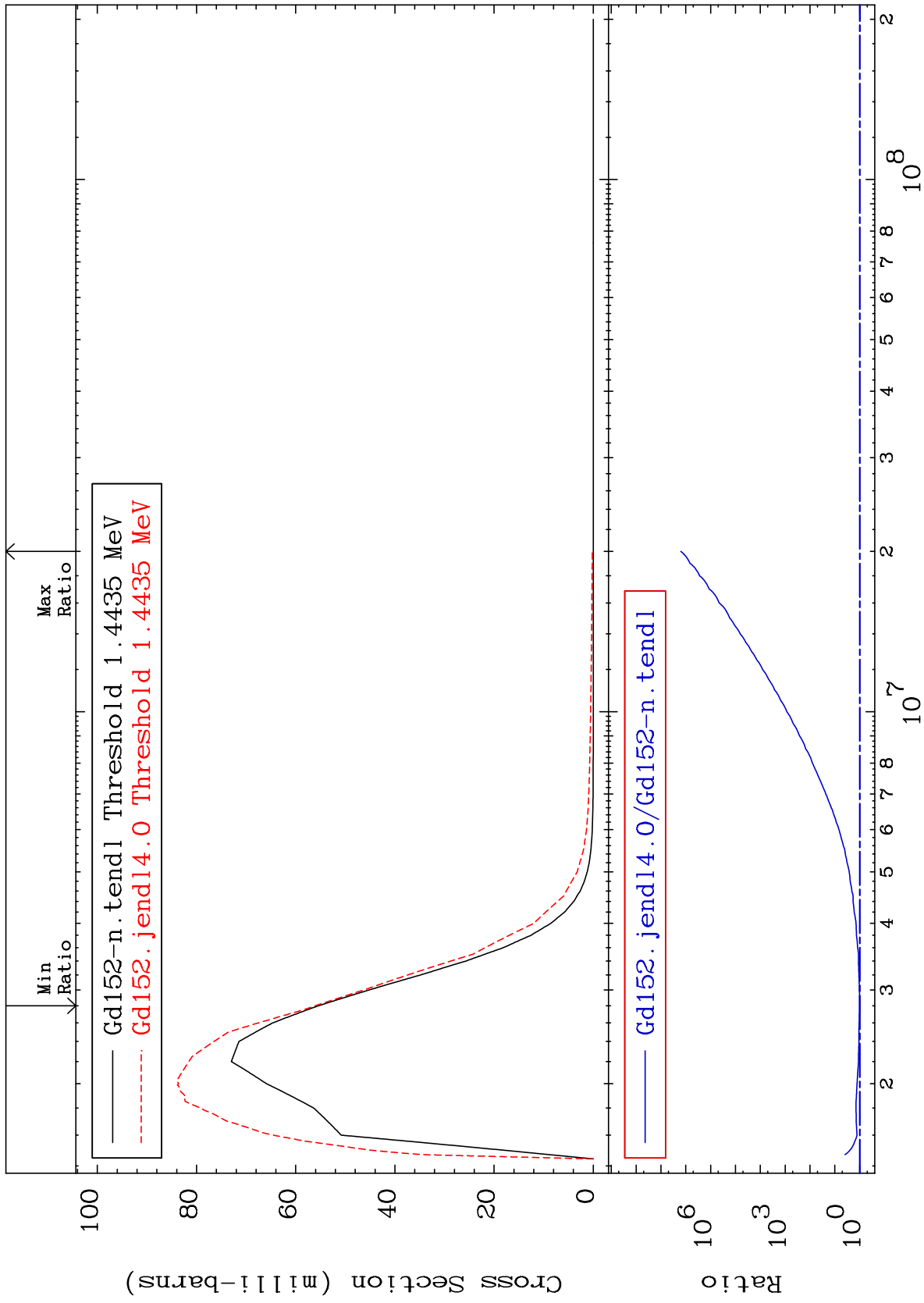
MAT 6425

1.318 MeV (n,n') Level  
Cross Section

64-Gd-152  
-87.32 To 35.73 %



MAT 6425 1.434 MeV (n,n') Level 64-Gd-152  
 Cross Section 1.140 To 9999. %

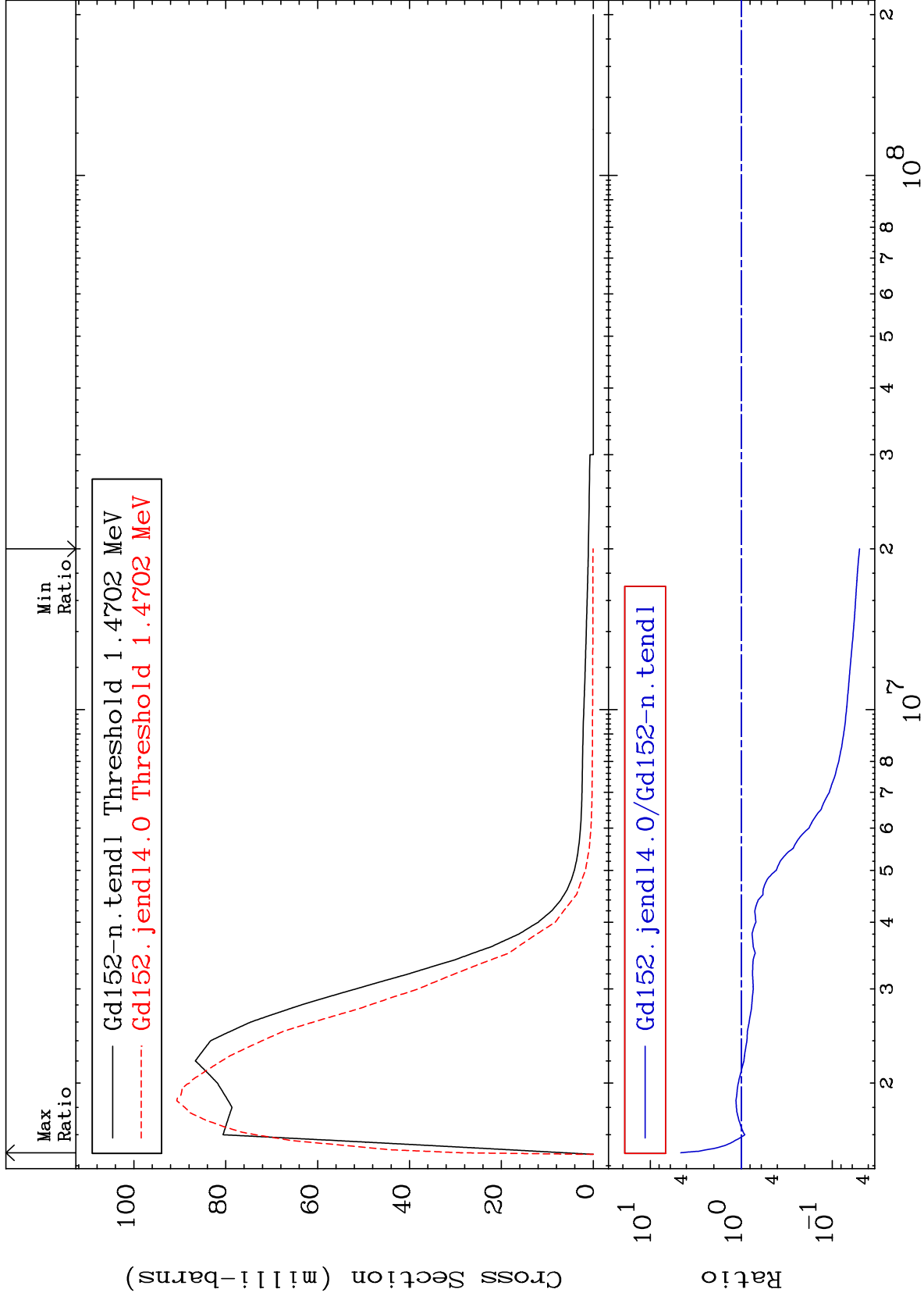




MAT 6425

1.461 MeV (n,n') Level  
Cross Section

64-Gd-152  
-95.00 To 361.7 %



25

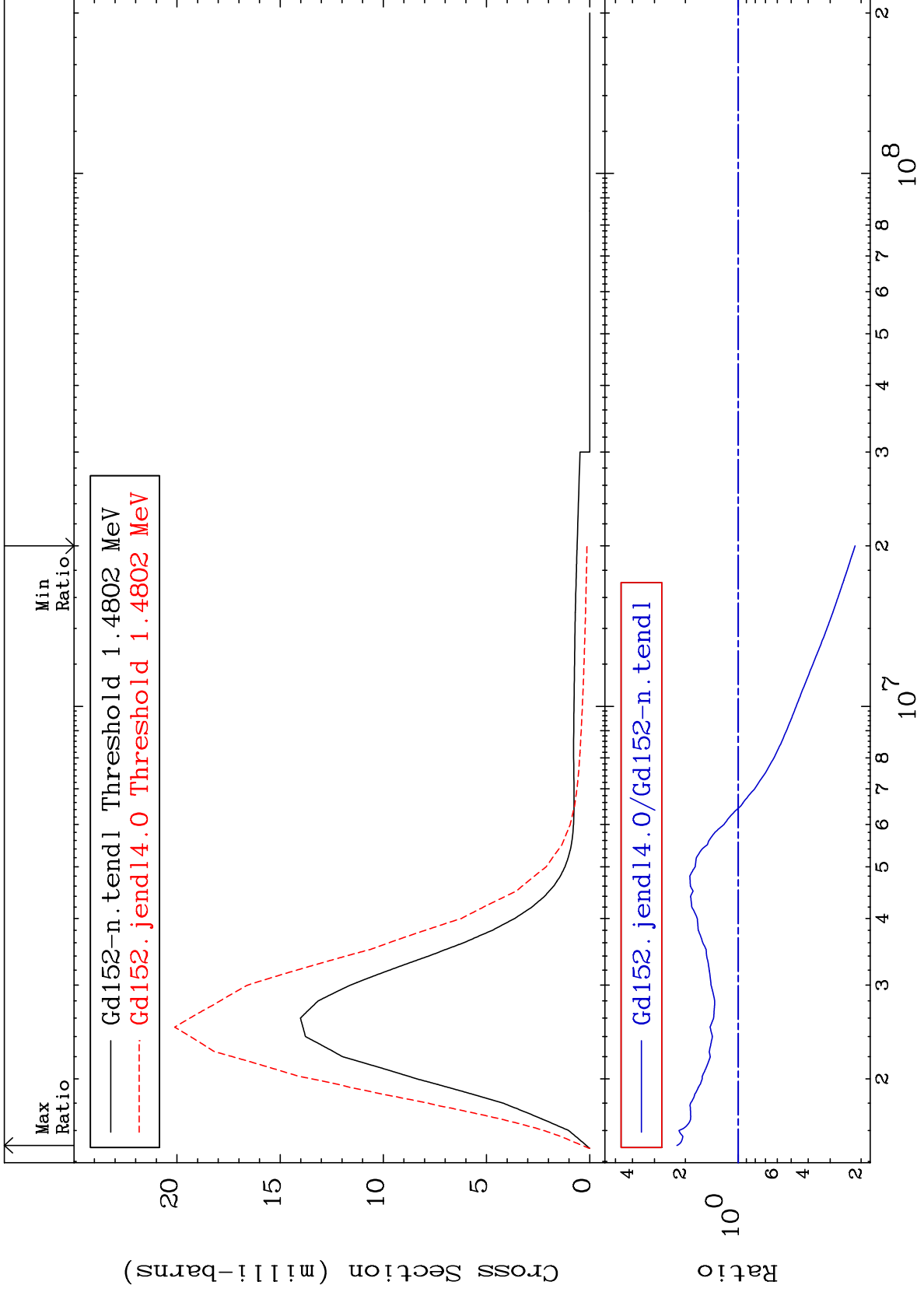
Incident Energy (eV)

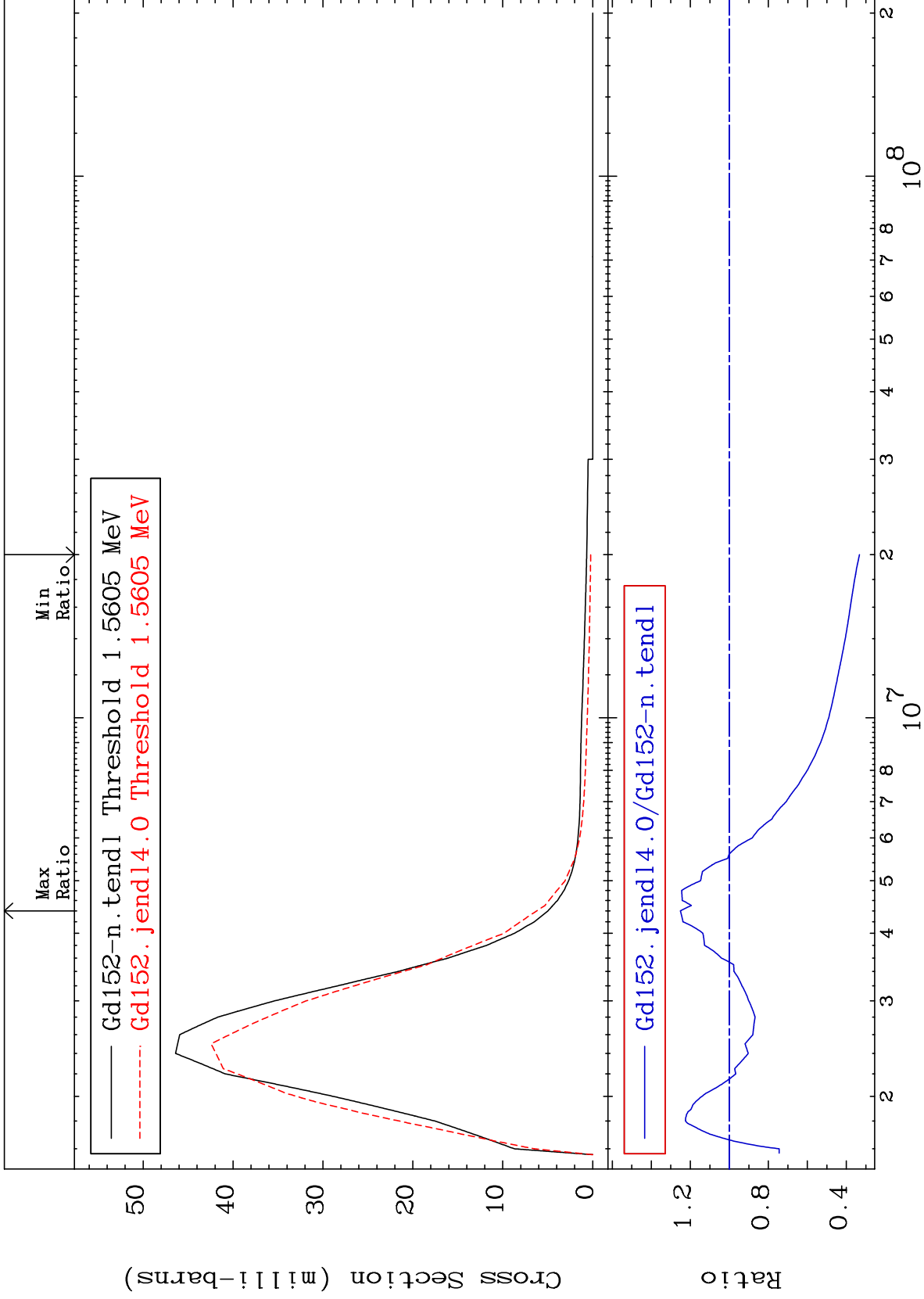
64-Gd-152

MAT 6425

1.470 MeV (n,n') Level  
Cross Section

64-Gd-152  
-78.35 To 123.5 %

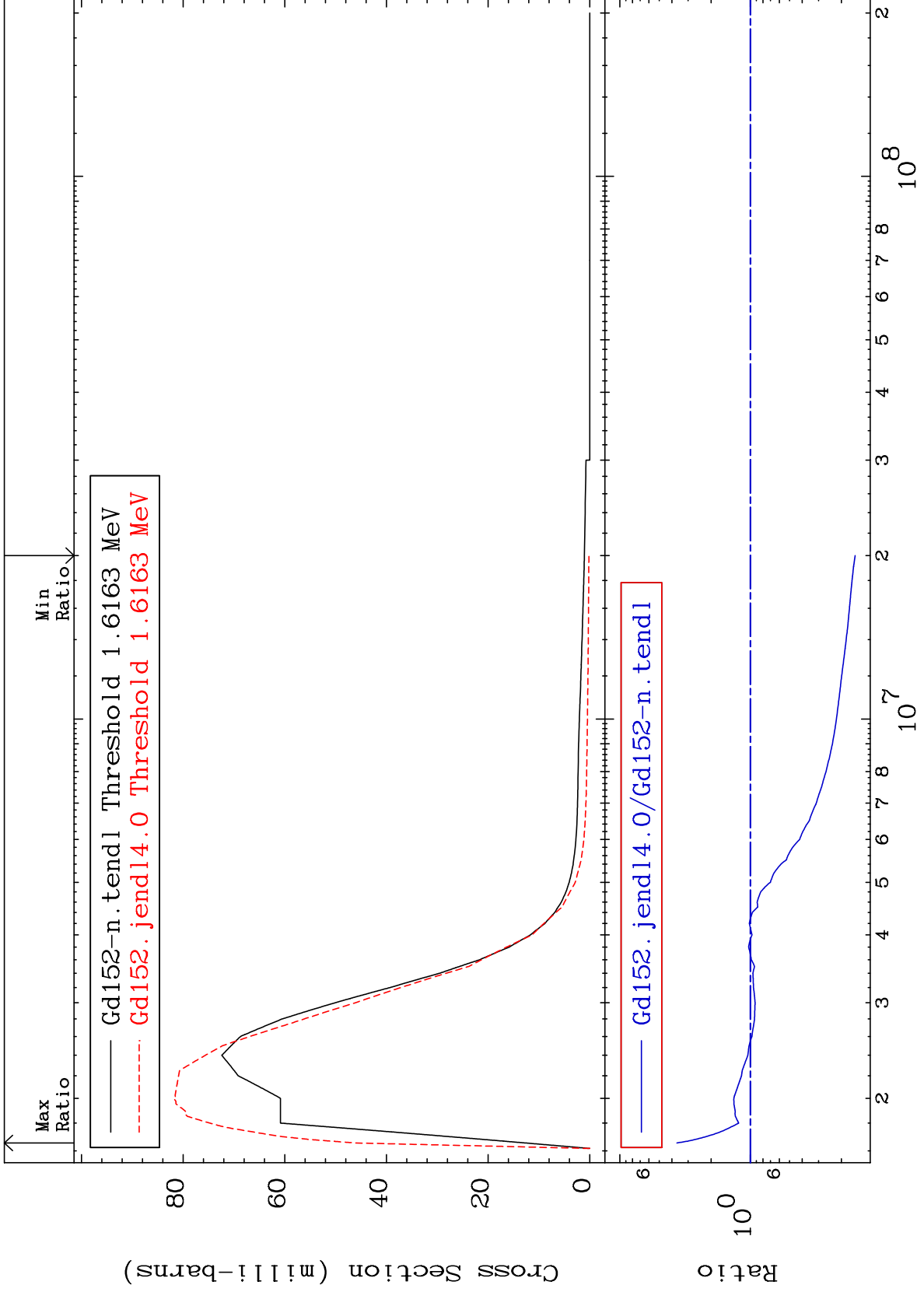




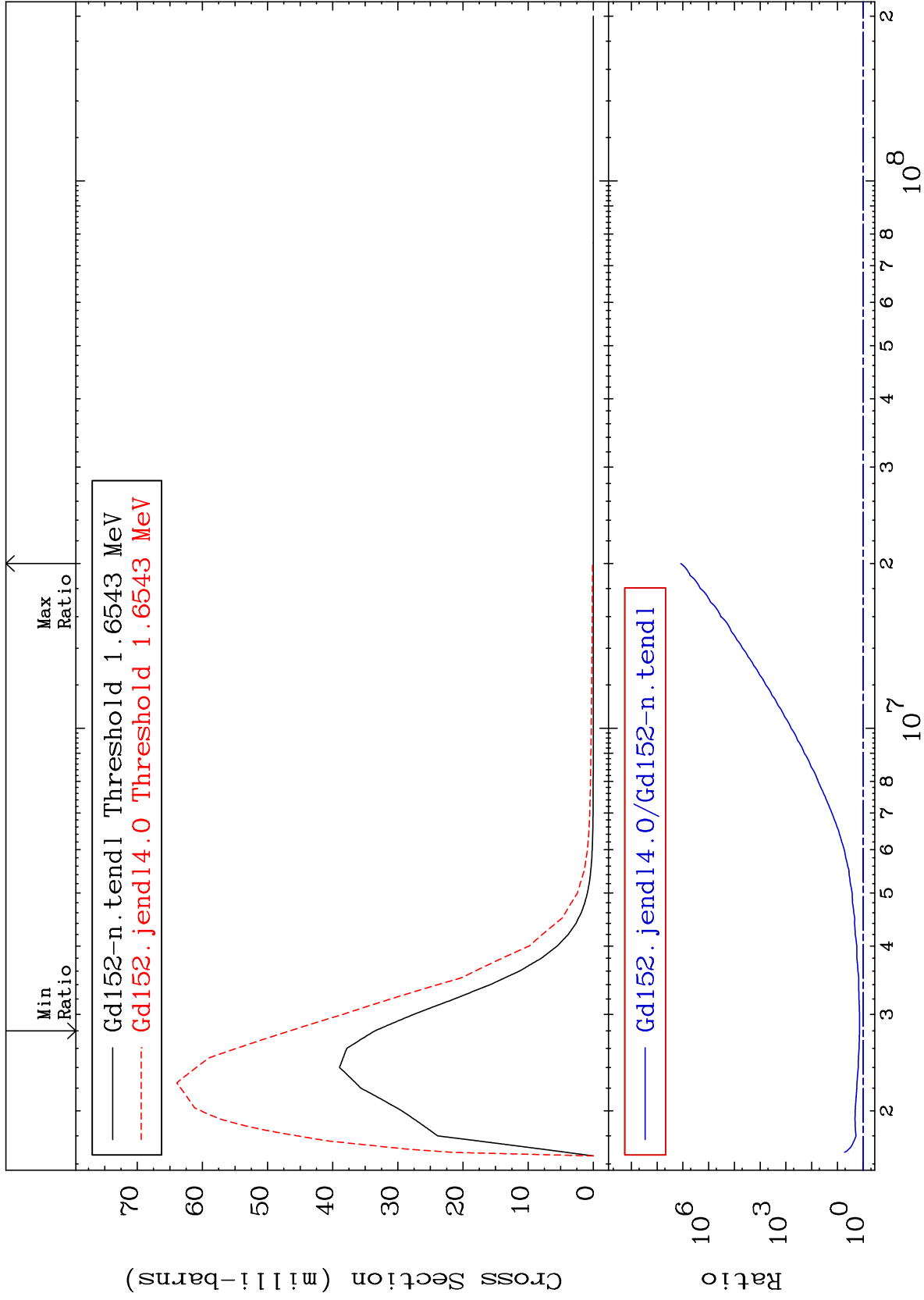
MAT 6425

1.606 MeV (n,n') Level  
Cross Section

64-Gd-152  
-84.27 To 265.5 %



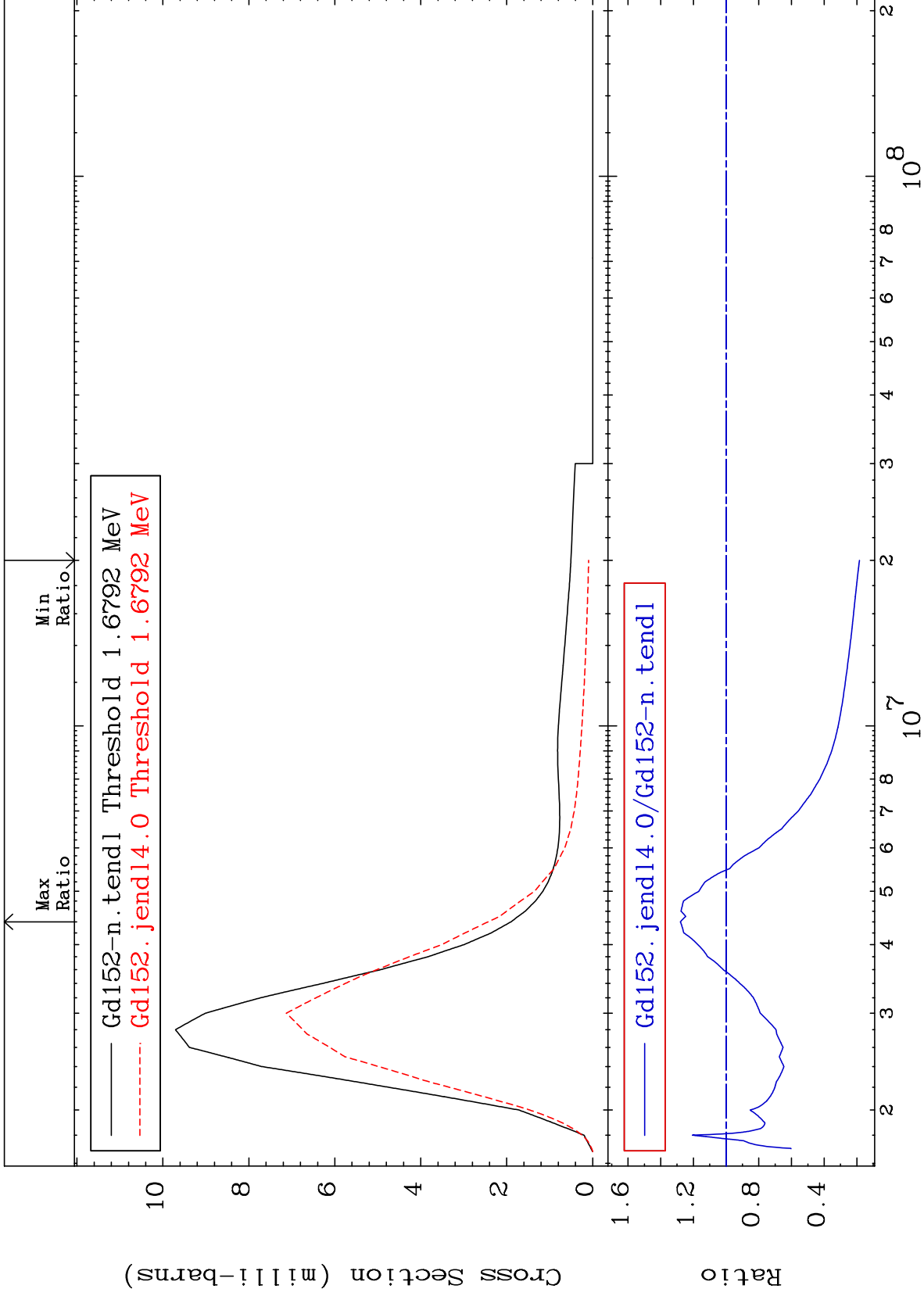
MAT 6425 1.643 MeV (n,n') Level 64-Gd-152  
 Cross Section 39.00 To 9999. %



MAT 6425

1.668 MeV (n,n') Level  
Cross Section

64-Gd-152  
-81.57 To 27.99 %



30

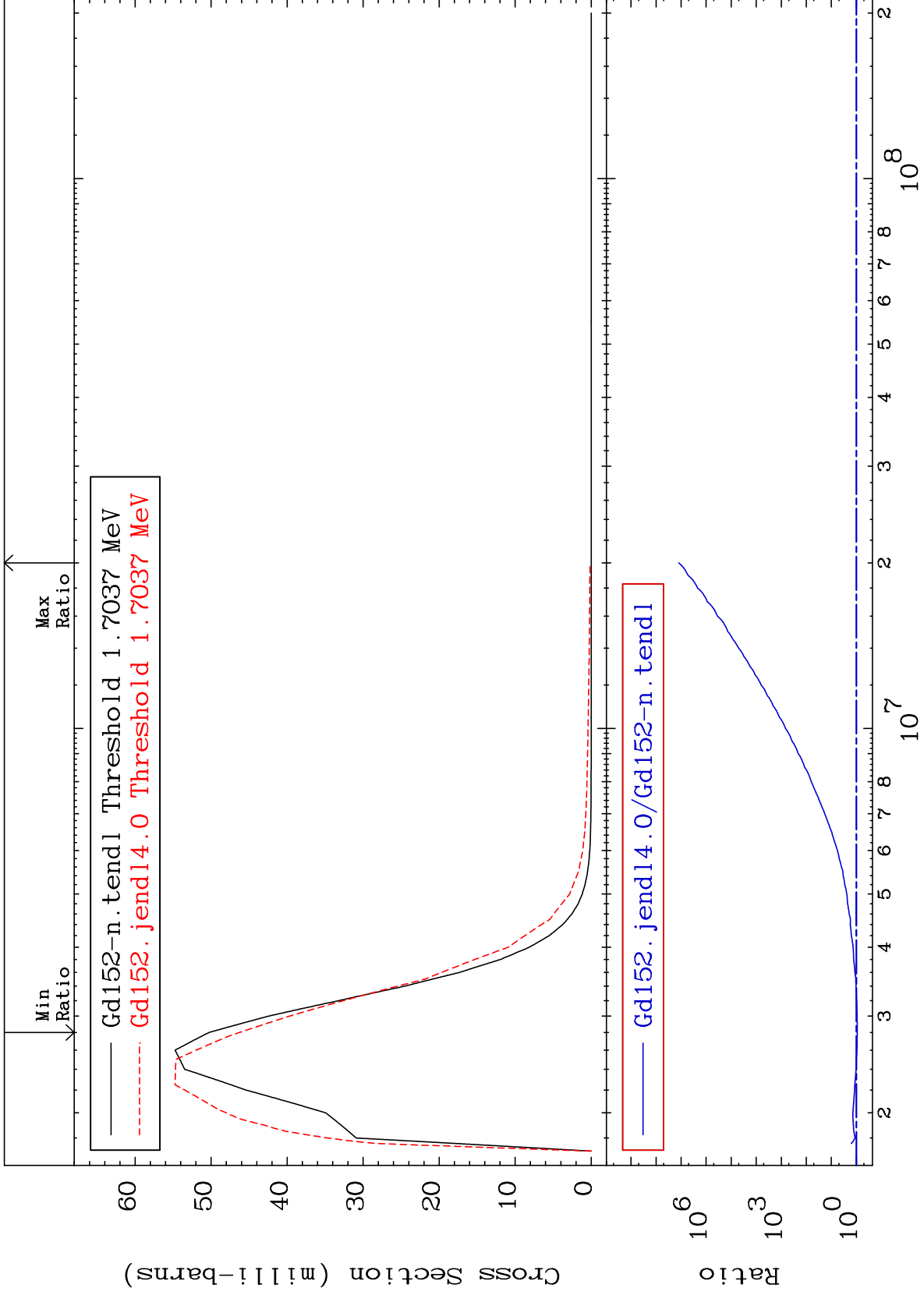
Incident Energy (eV)

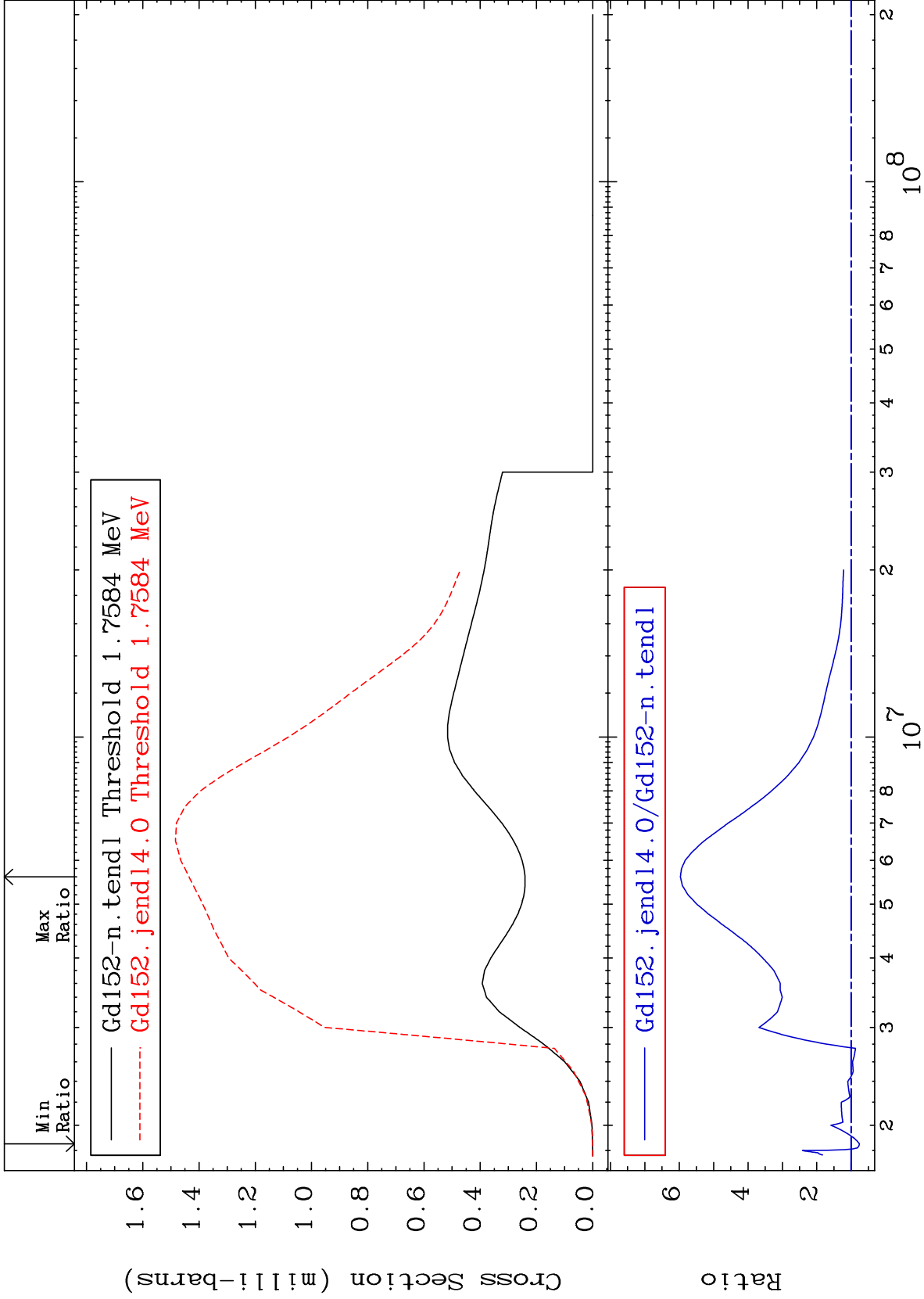
64-Gd-152

MAT 6425

1.692 MeV (n,n') Level  
Cross Section

64-Gd-152  
-8.013 To 9999. %



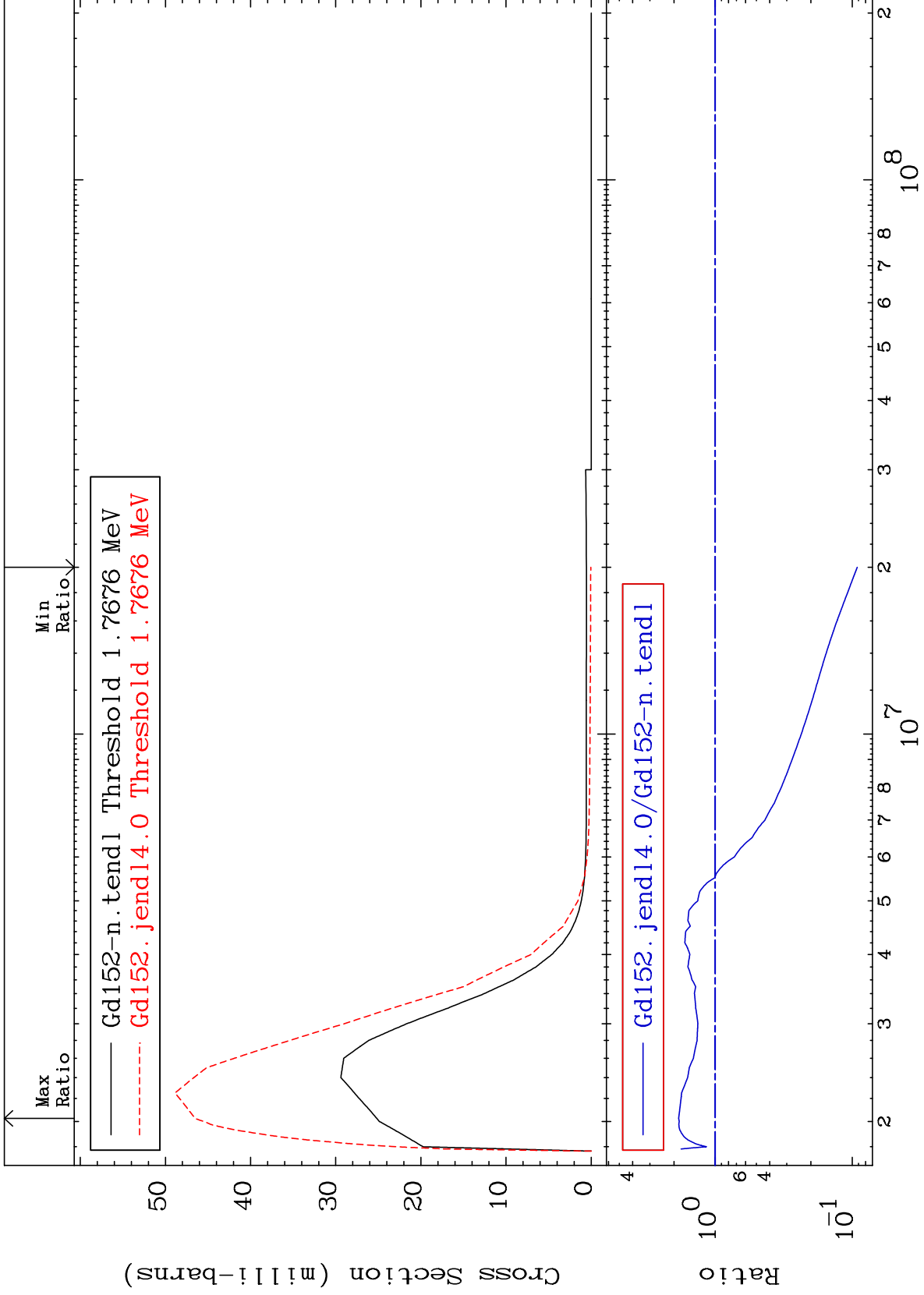




MAT 6425

1.756 MeV (n,n') Level  
Cross Section

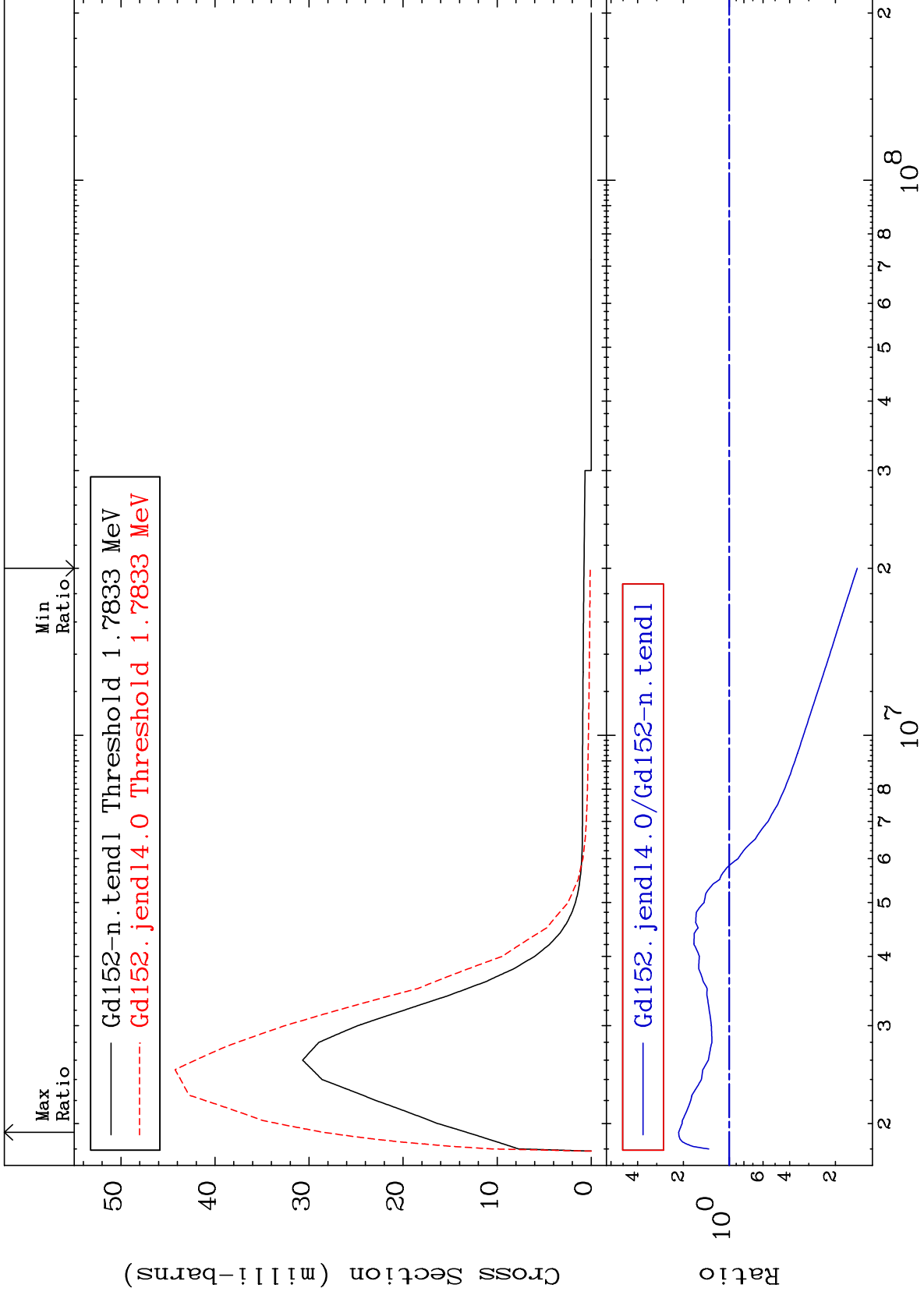
64-Gd-152  
-90.81 To 84.76 %



MAT 6425

1.772 MeV (n,n') Level  
Cross Section

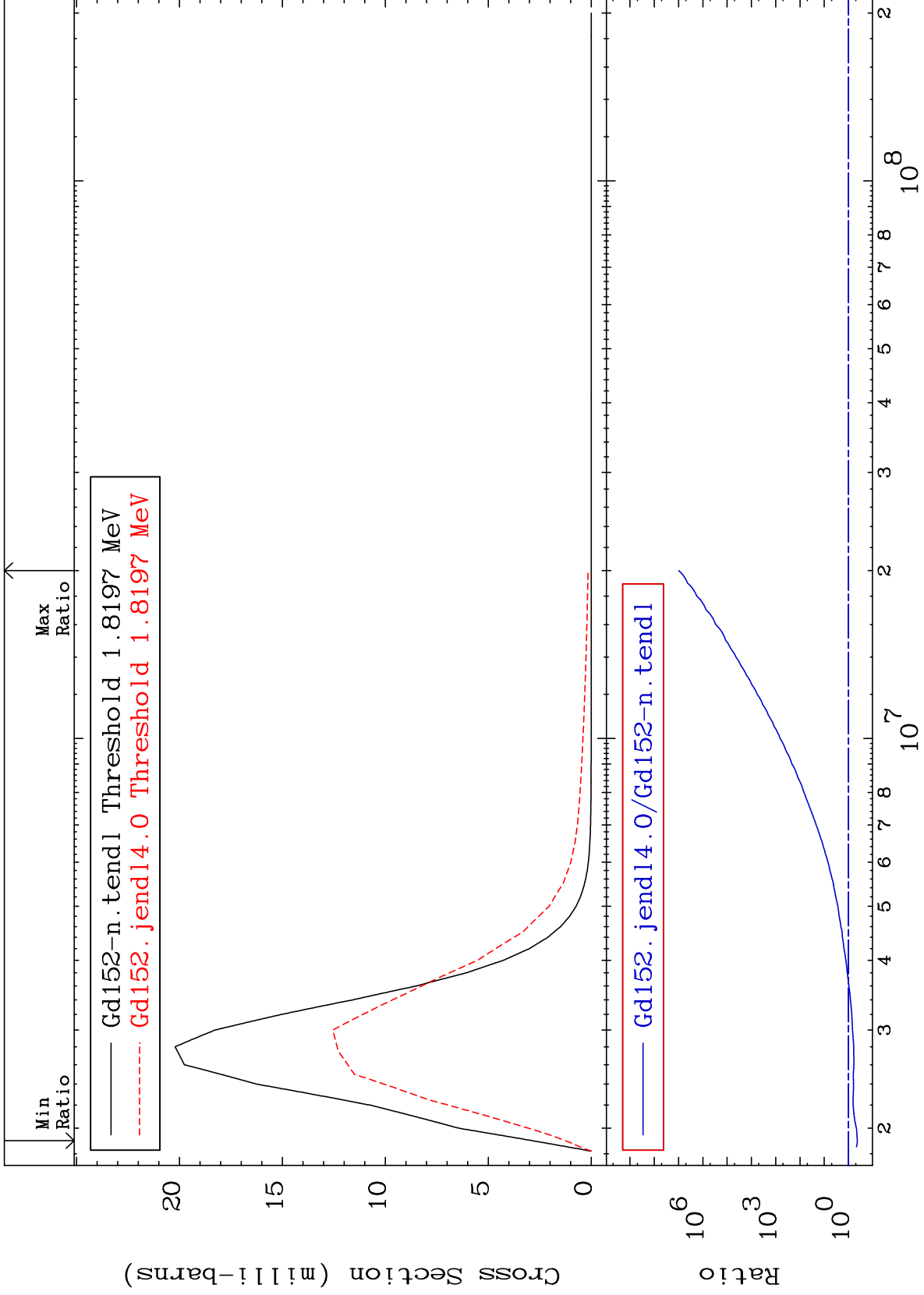
64-Gd-152  
-85.62 To 115.2 %



MAT 6425

1.808 MeV (n,n') Level  
Cross Section

64-Gd-152  
-56.25 To 9999. %



35

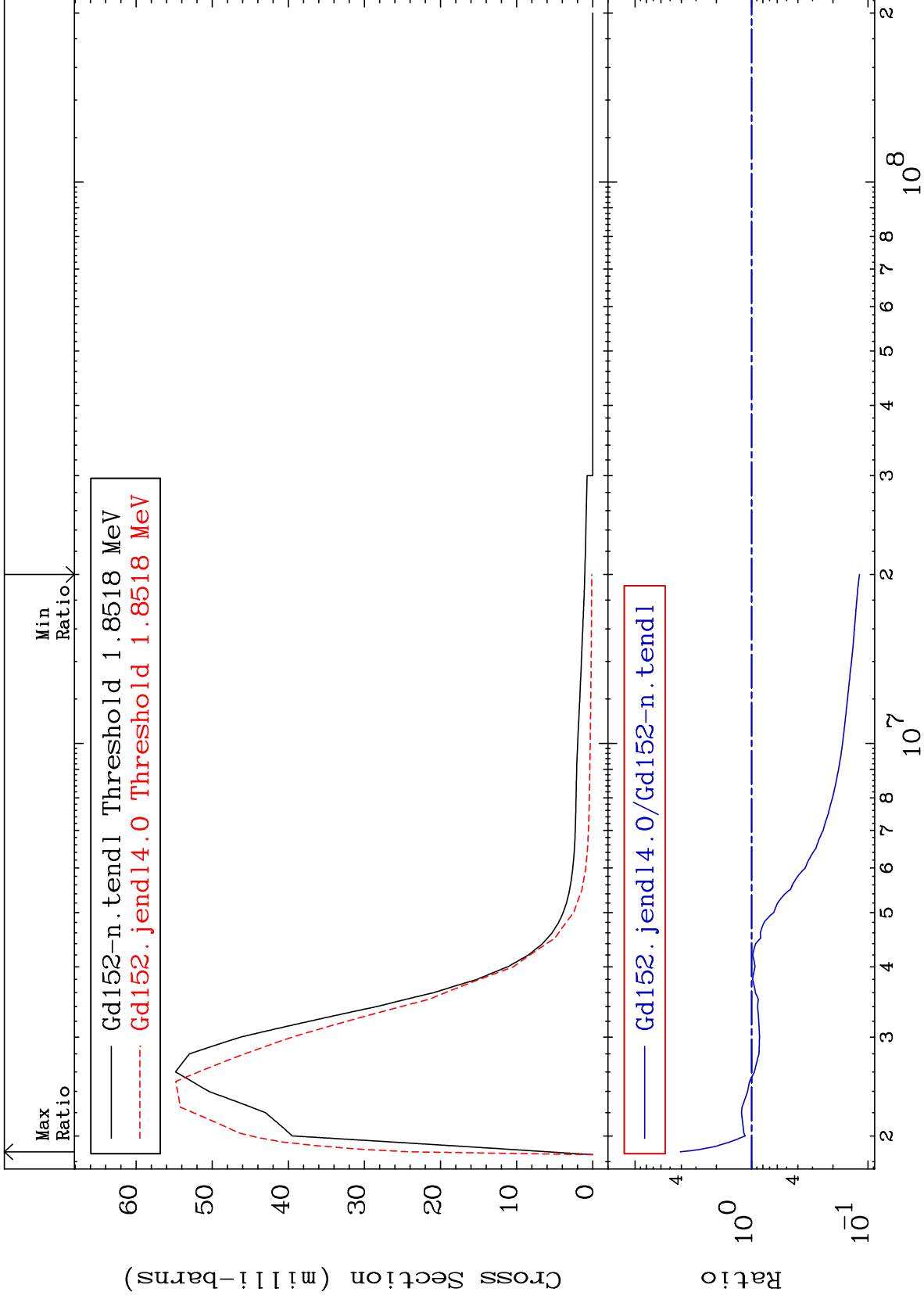
Incident Energy (eV)

64-Gd-152

MAT 6425

1.840 MeV (n,n') Level  
Cross Section

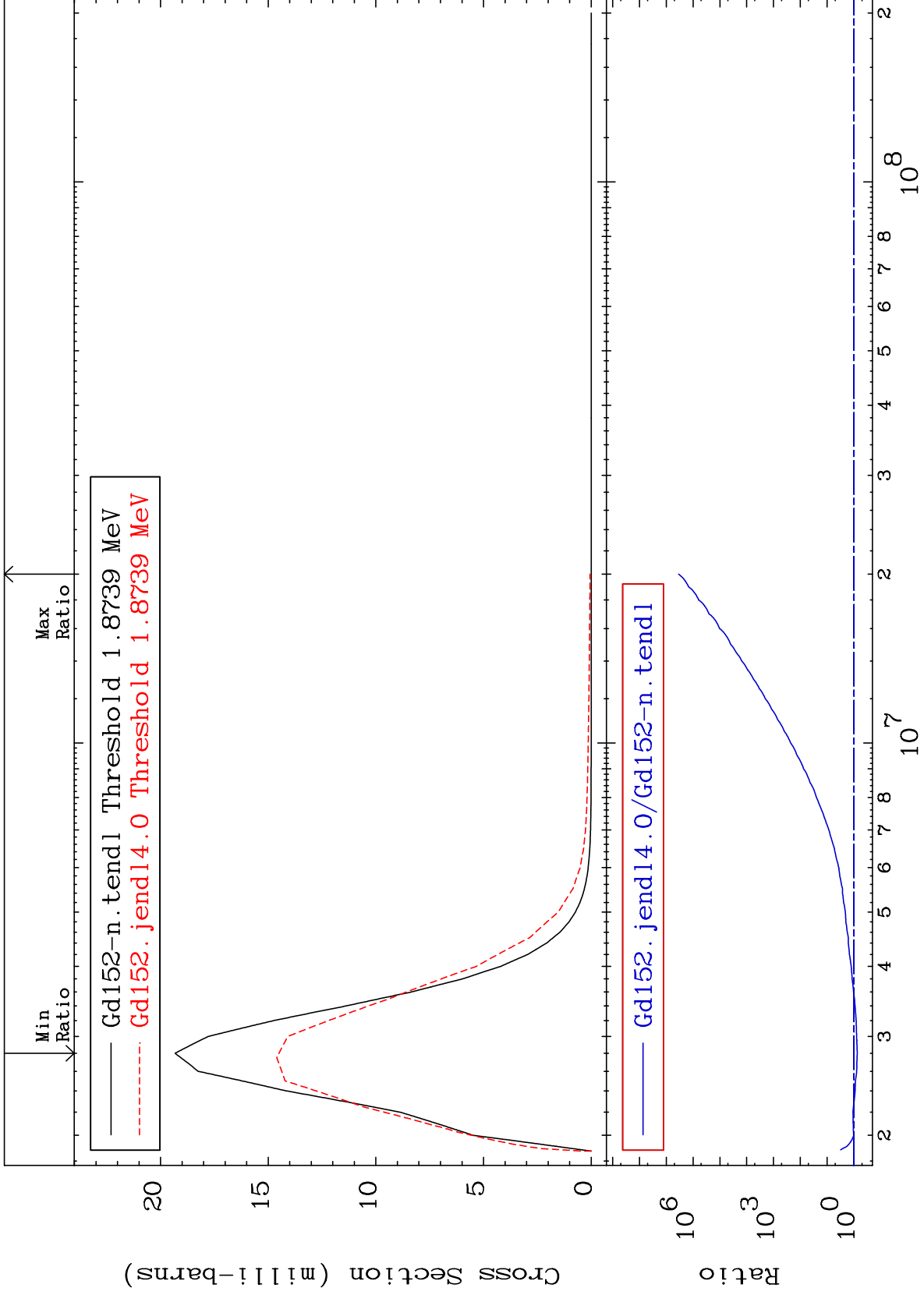
64-Gd-152  
-88.16 To 308.5 %



MAT 6425

1.862 MeV (n,n') Level  
Cross Section

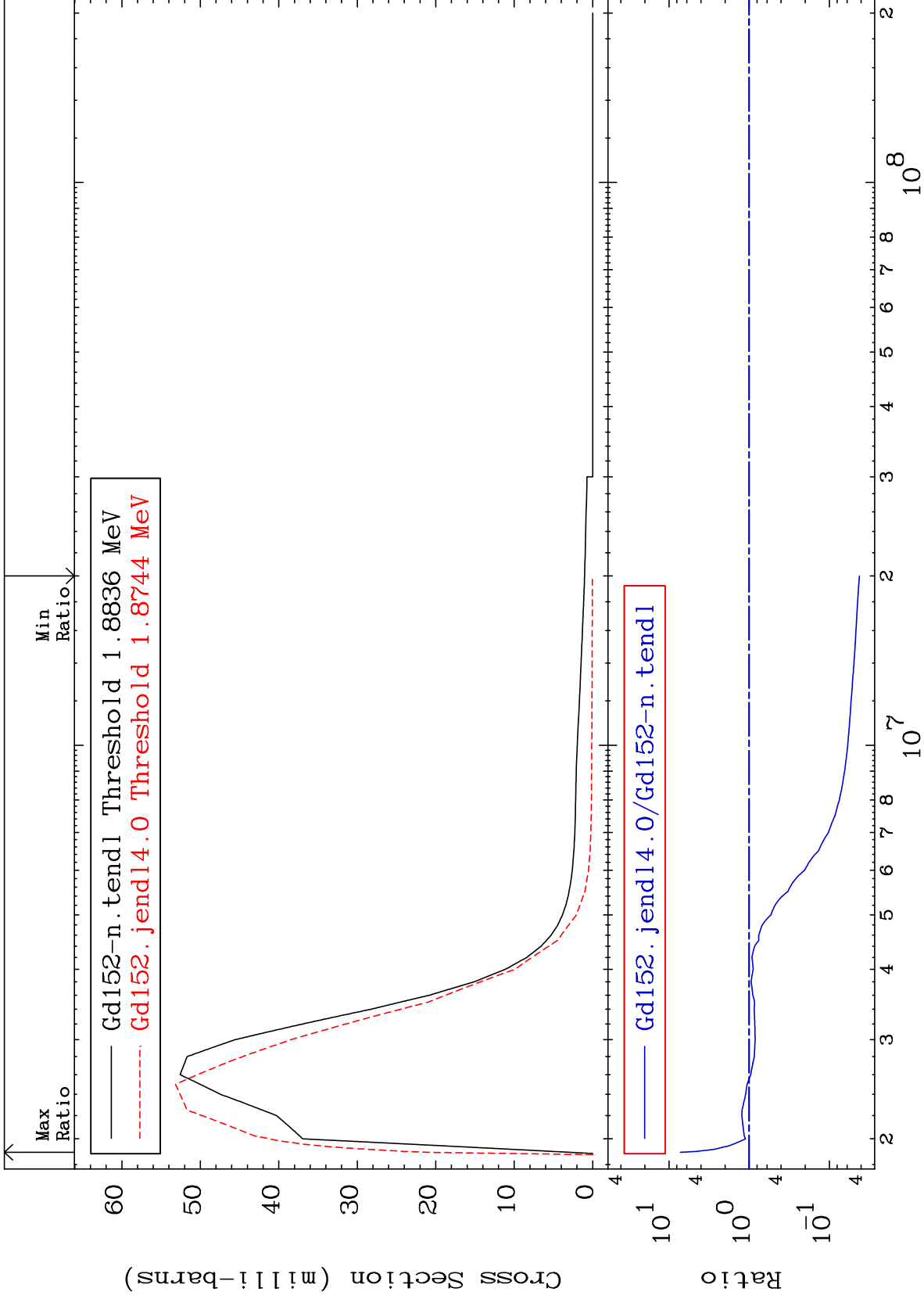
64-Gd-152  
-24.98 To 9999. %



MAT 6425

1.871 MeV (n,n') Level  
Cross Section

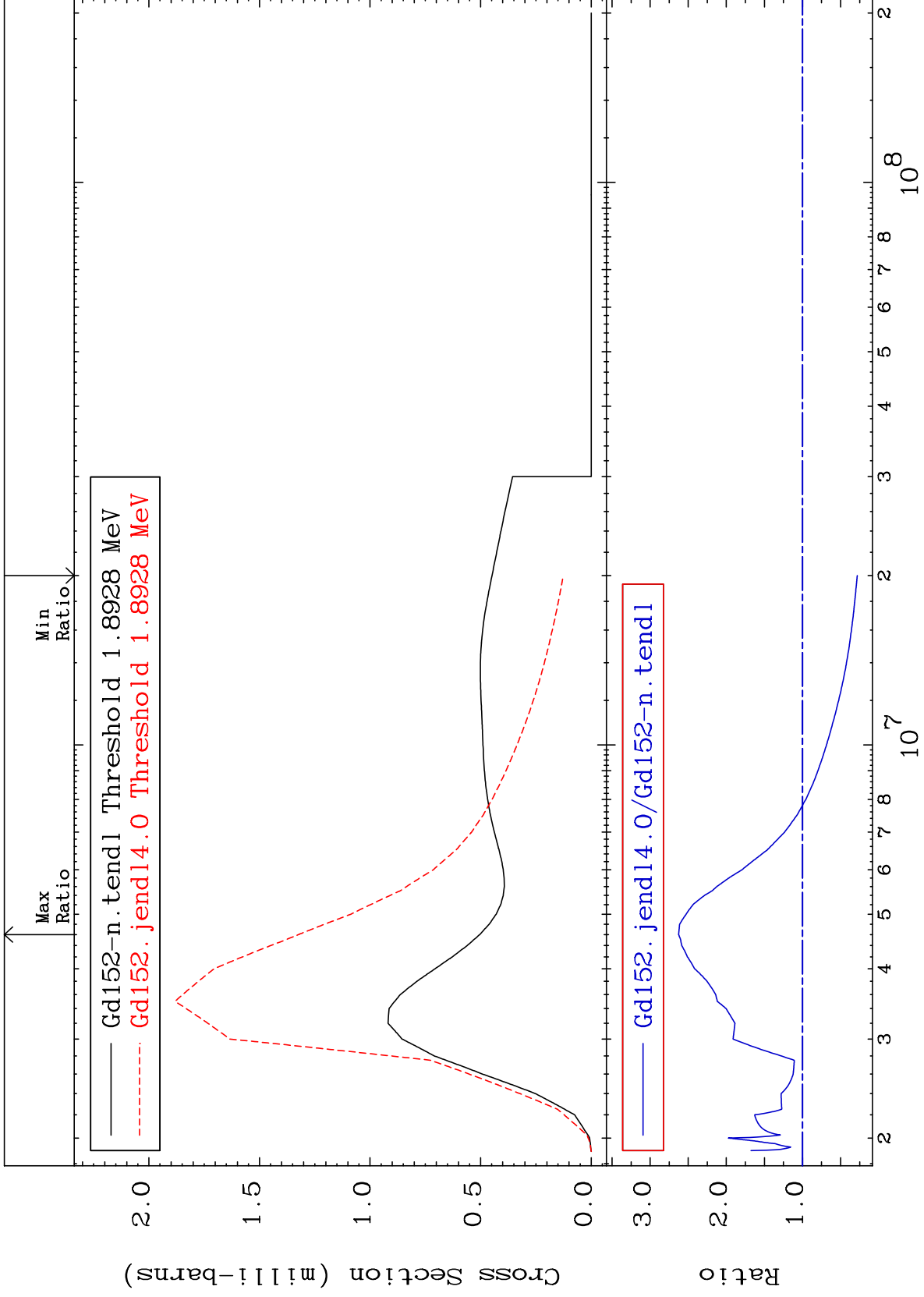
64-Gd-152  
-95.79 To 623.2 %



MAT 6425

1.880 MeV (n,n') Level  
Cross Section

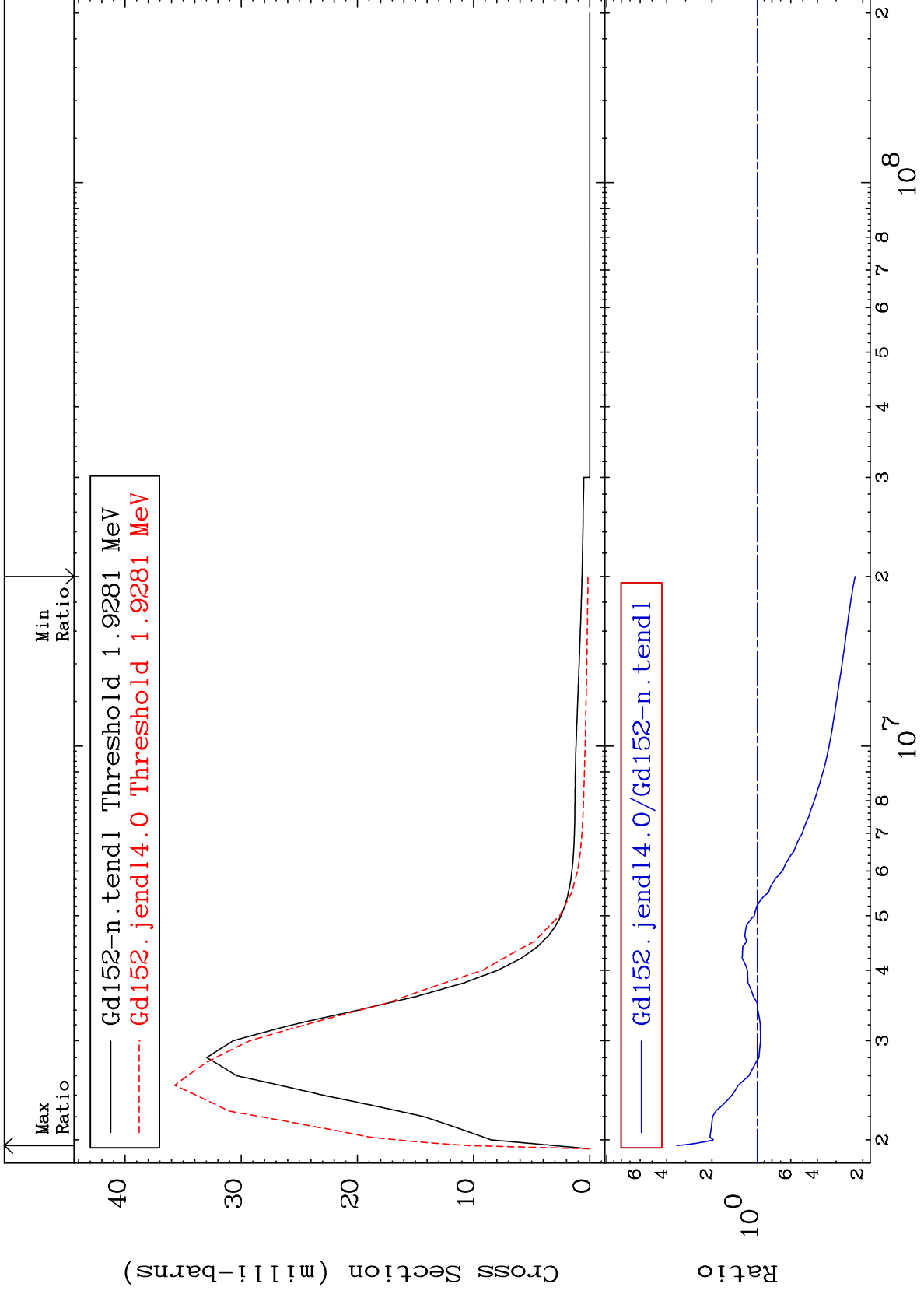
64-Gd-152  
-71.84 To 162.6 %



MAT 6425

1.915 MeV (n,n') Level  
Cross Section

64-Gd-152  
-77.54 To 242.0 %



40

Incident Energy (eV)

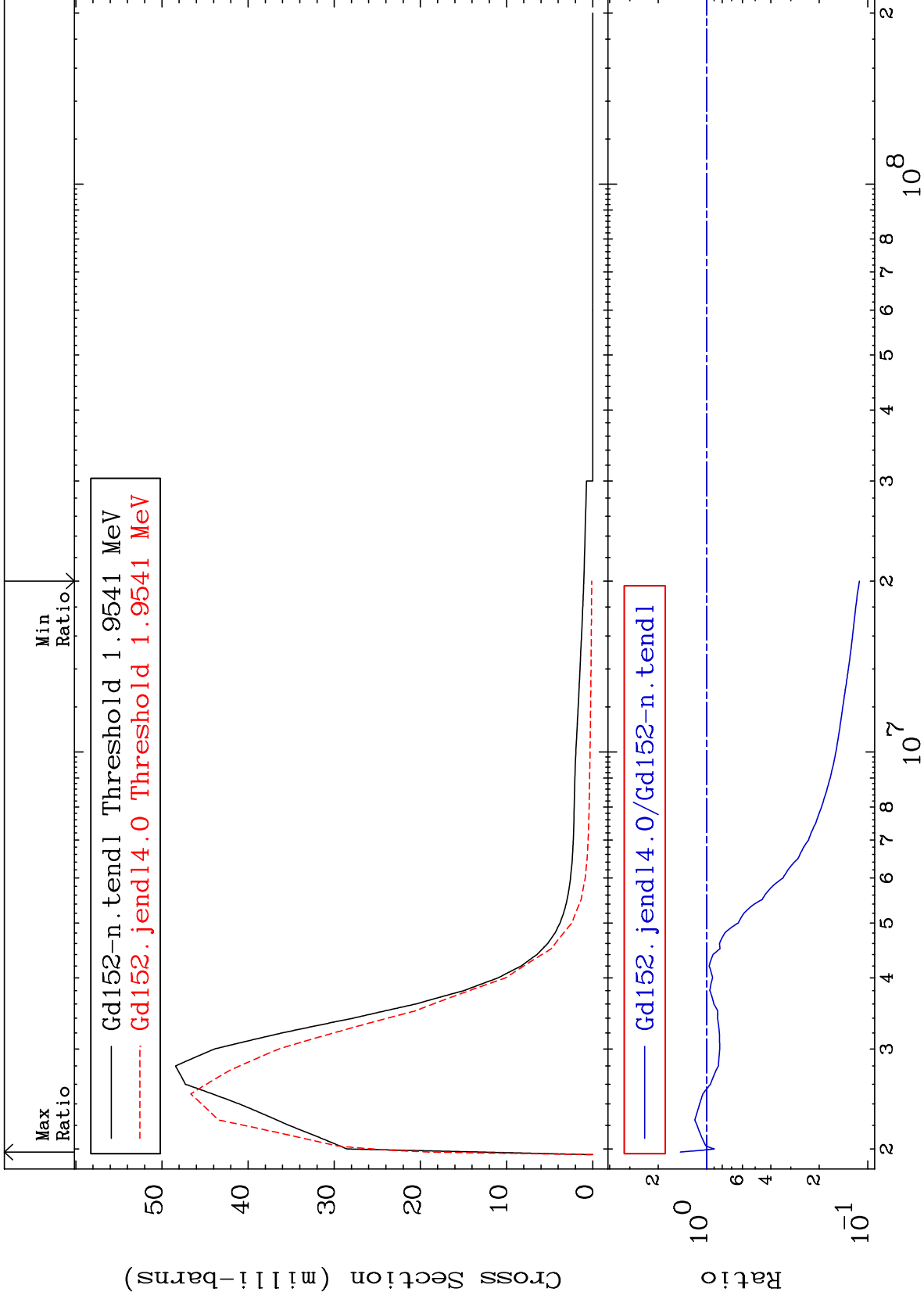
64-Gd-152



MAT 6425

1.941 MeV (n,n') Level  
Cross Section

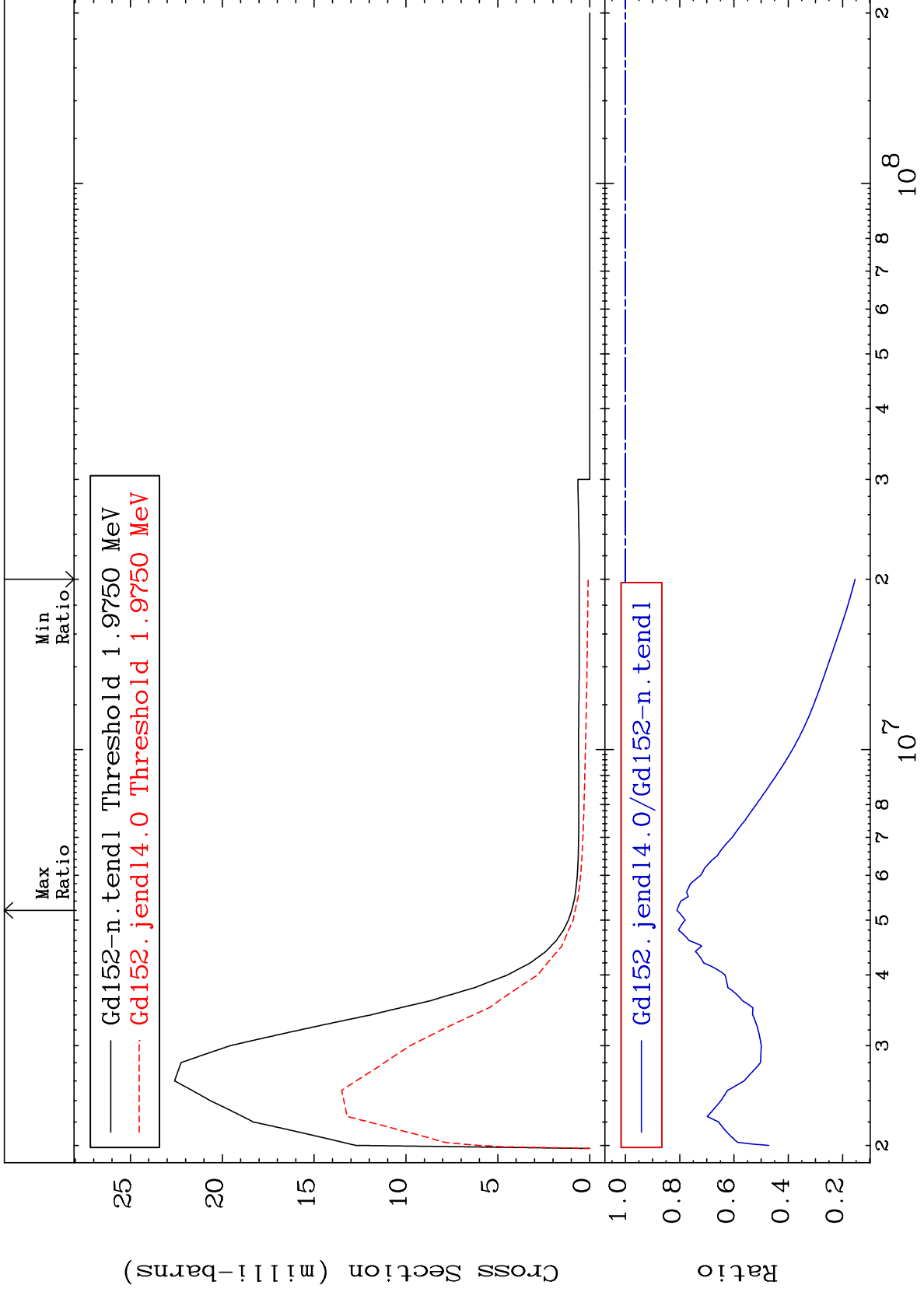
64-Gd-152  
-88.74 To 45.69 %



MAT 6425

1.962 MeV (n,n') Level  
Cross Section

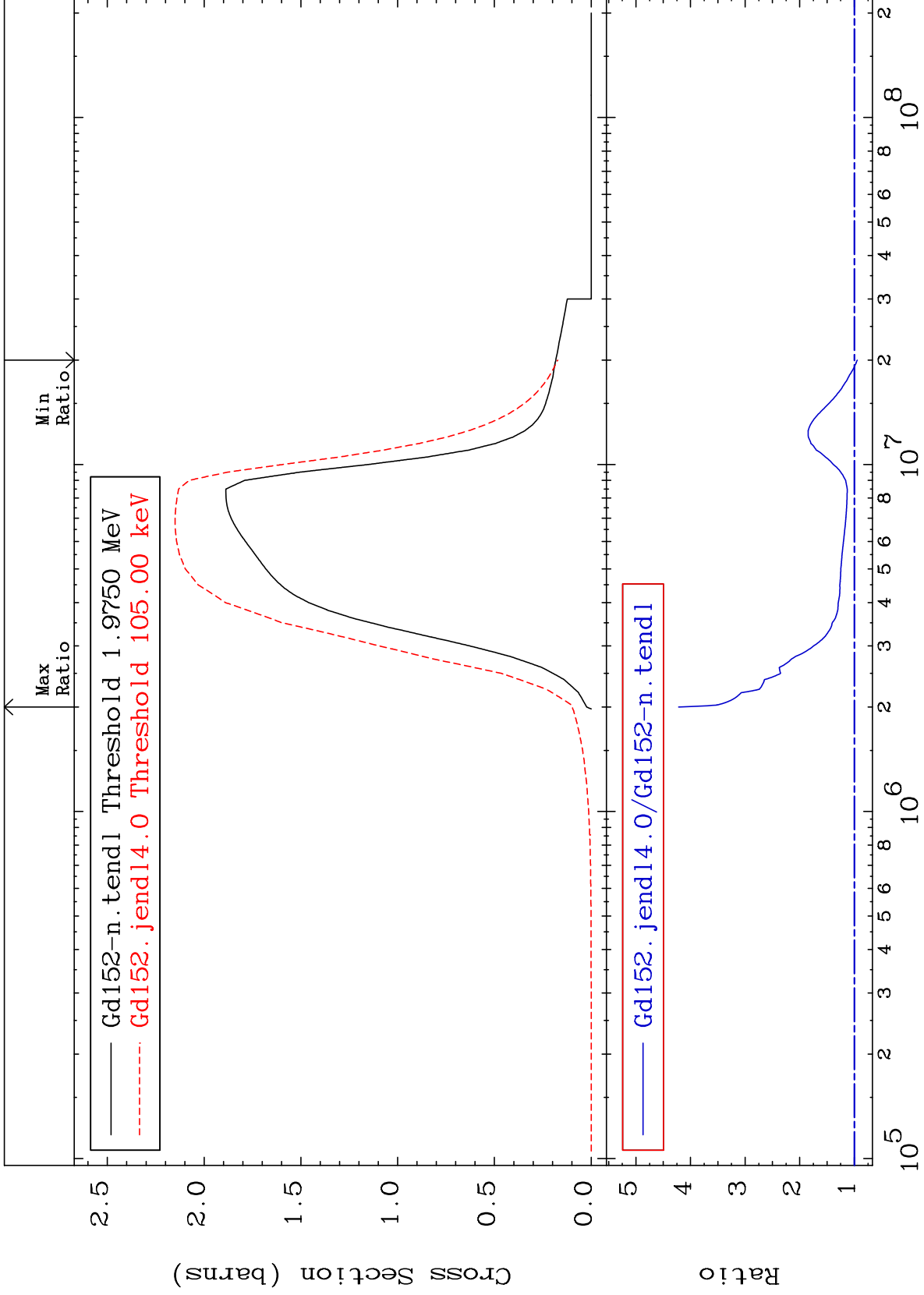
64-Gd-152  
-84.62 To -18.98%



MAT 6425

(n, n') Continuum  
Cross Section

64-Gd-152  
-5.340 To 321.8 %



43

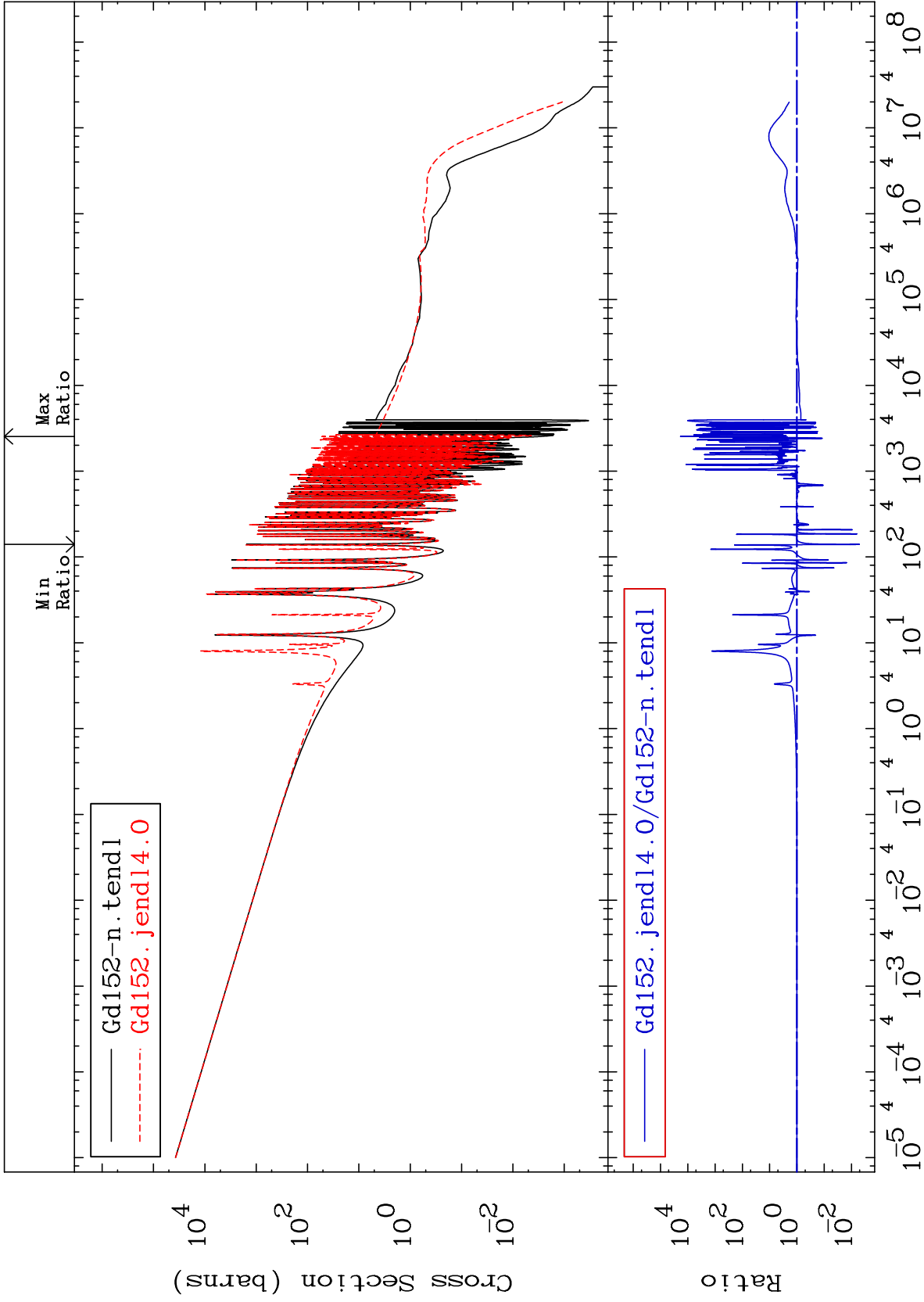
Incident Energy (eV)

64-Gd-152

MAT 6425

(n,  $\gamma$ )  
Cross Section

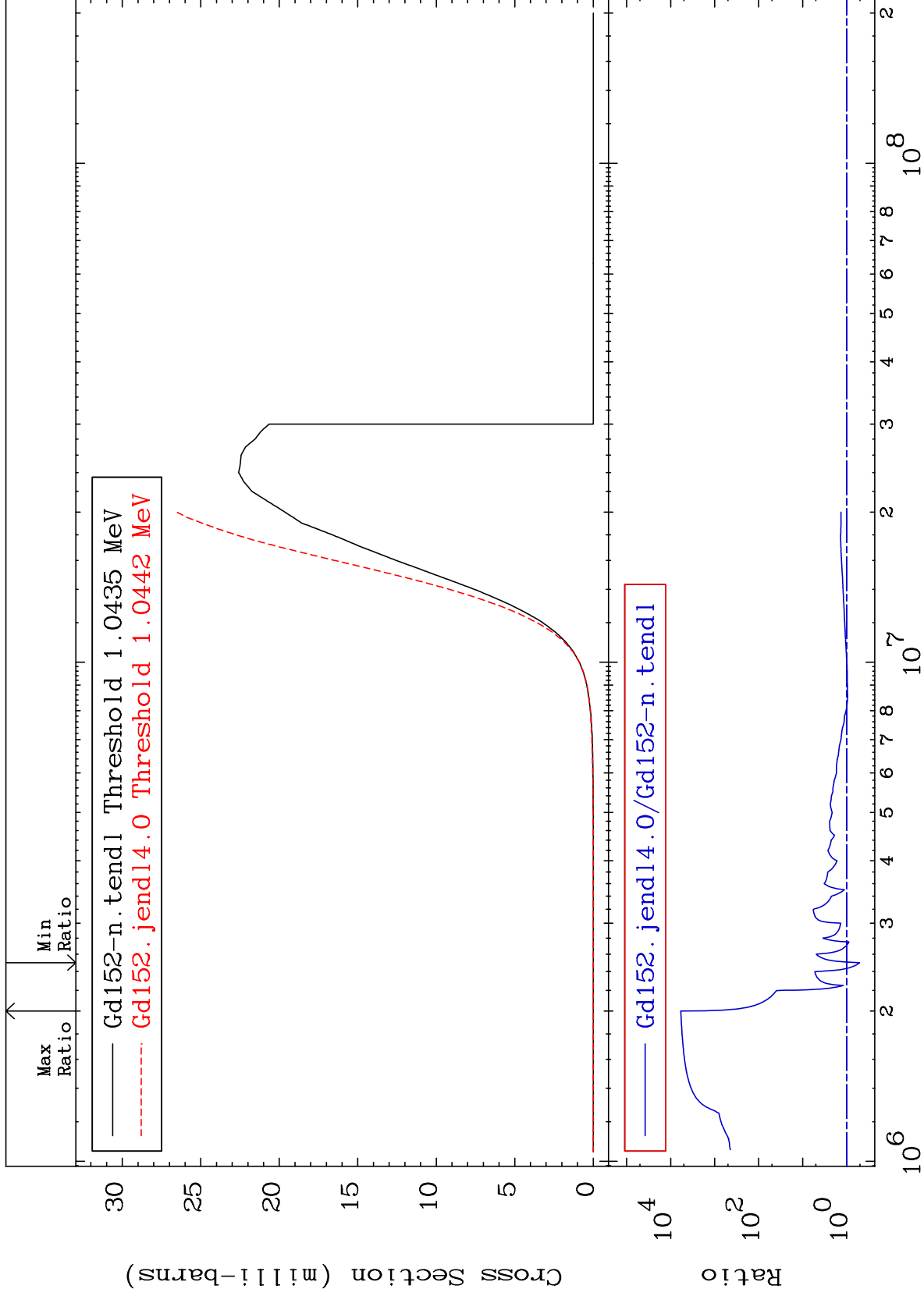
64-Gd-152  
-99.49 To 9999. %



MAT 6425

(n,p)  
Cross Section

64-Gd-152  
-48.96 To 9999. %



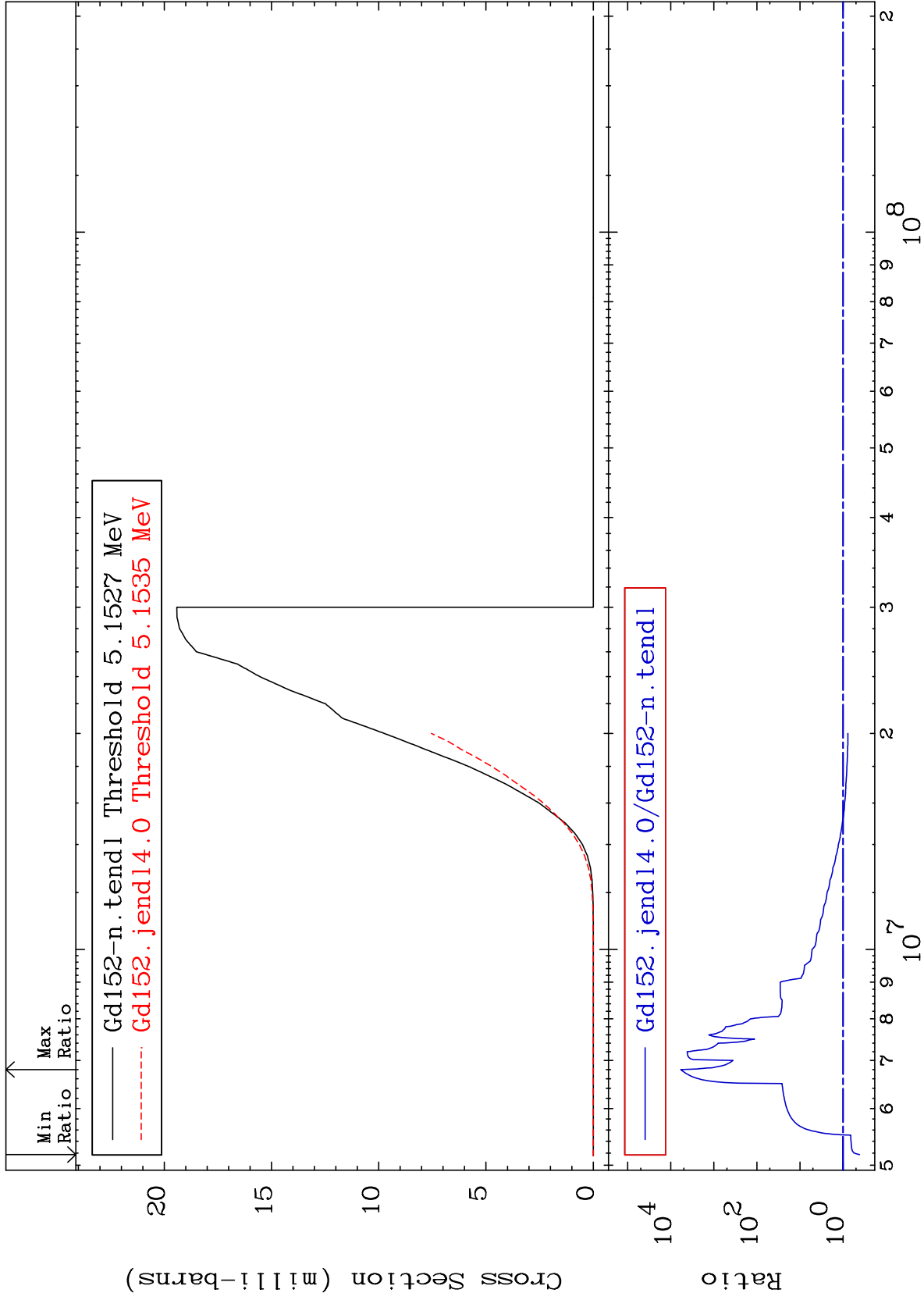
45

Incident Energy (eV)

64-Gd-152

Cross Section

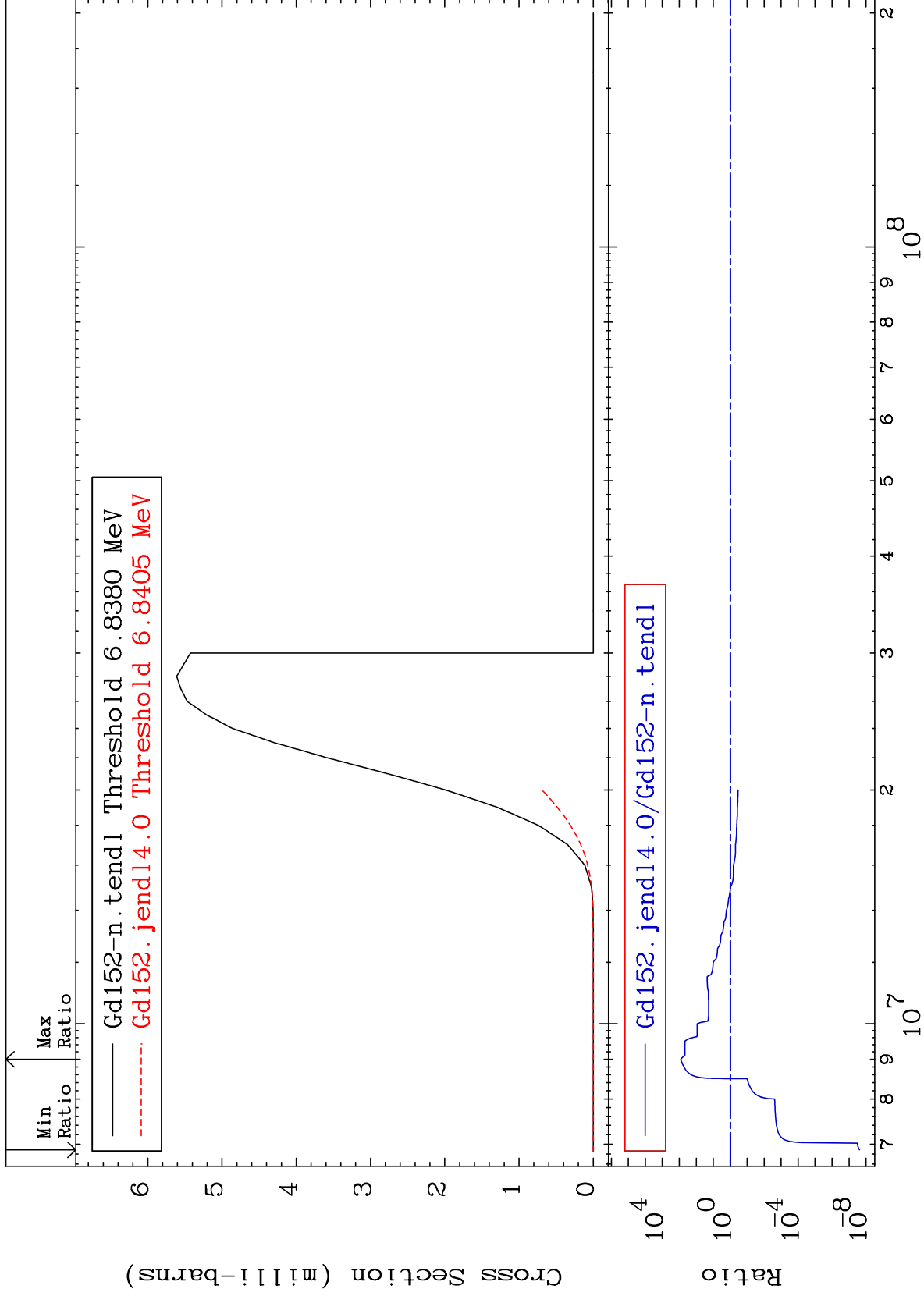
-58.45 To 9999. %



MAT 6425

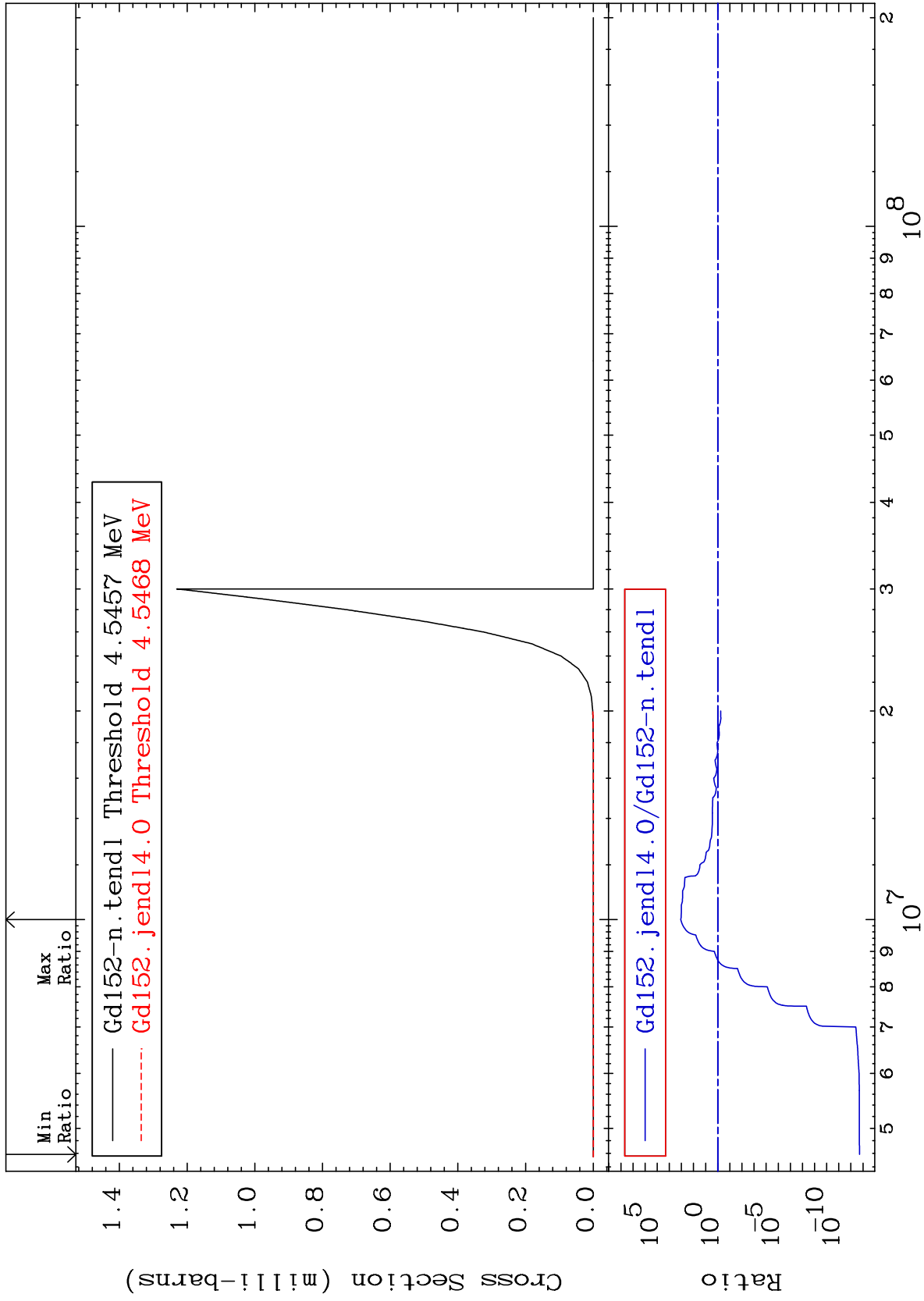
(n, t)  
Cross Section

64-Gd-152  
-100.0 To 9999. %

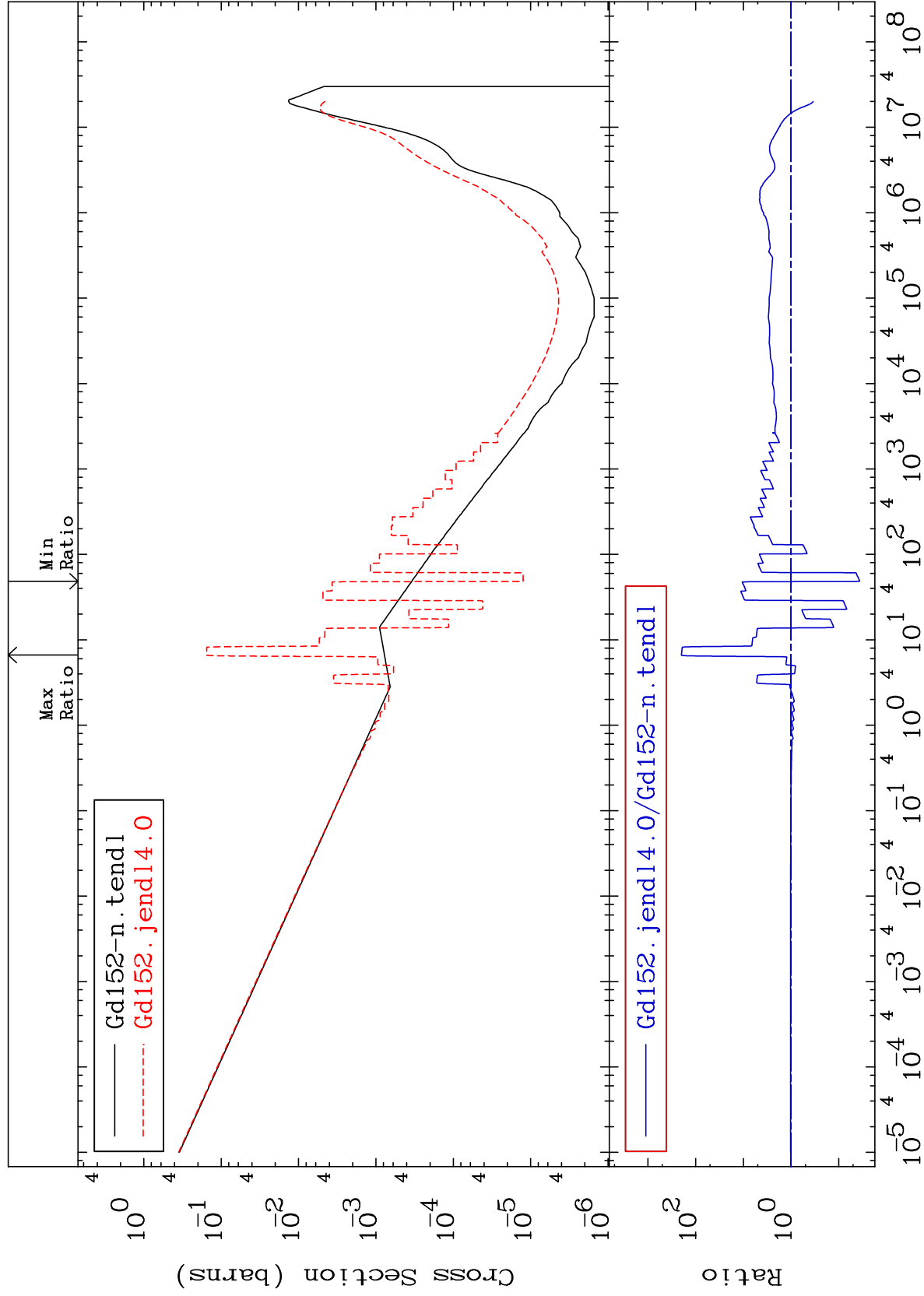


Cross Section

-100.0 To 9999. %







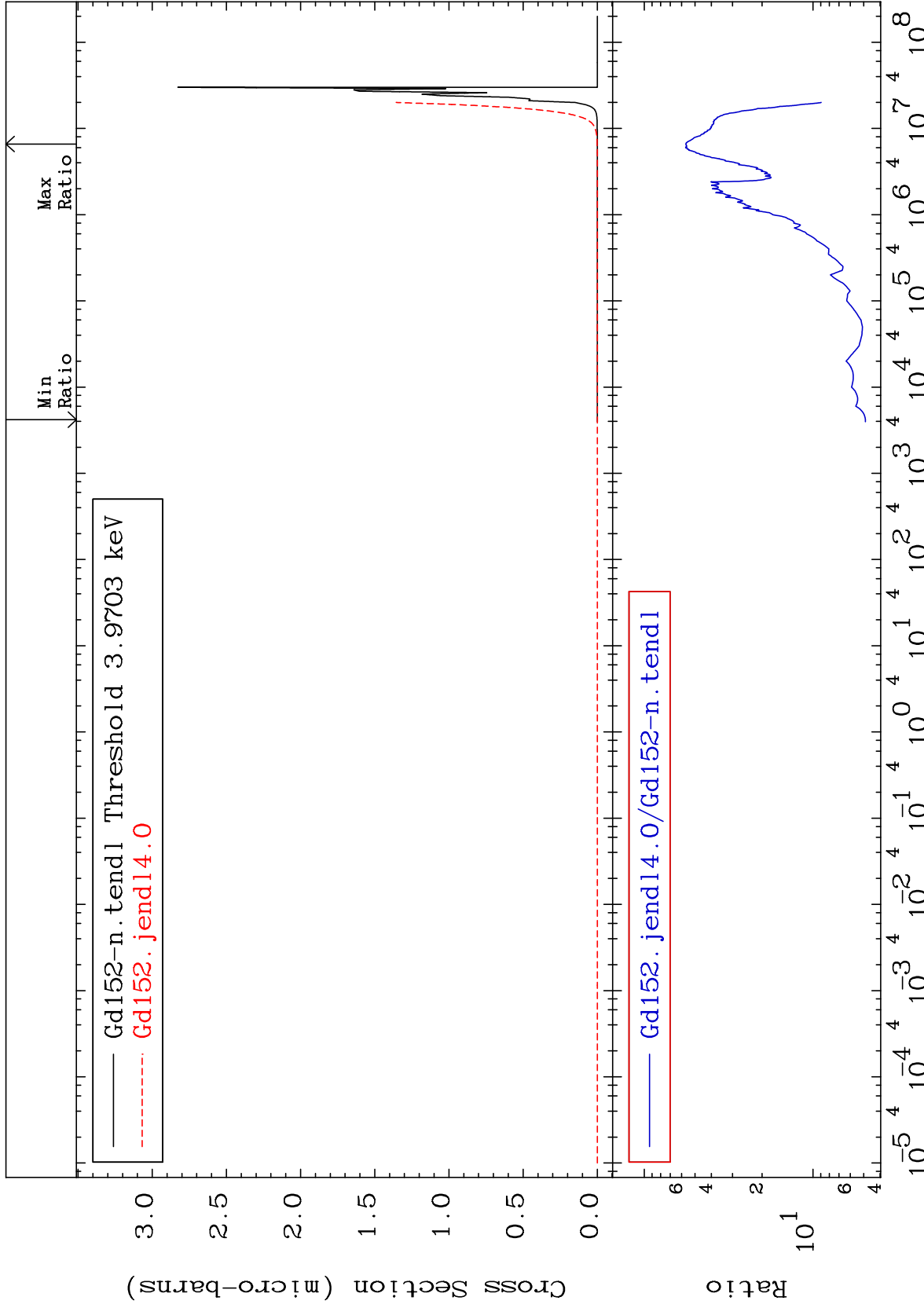
MAT 6425

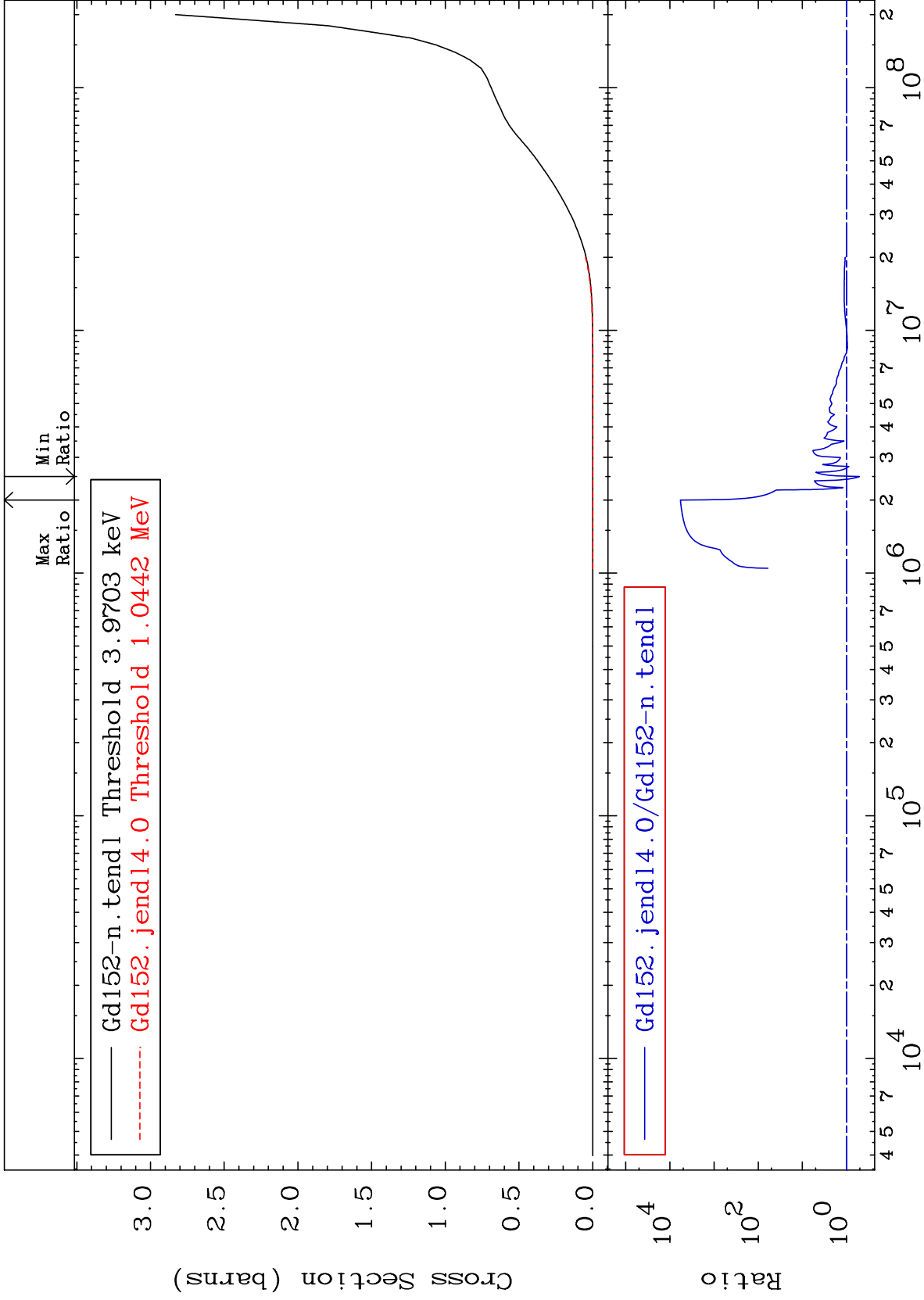
(n,2α)

64-Gd-152

Cross Section

388.7 To 5600. %

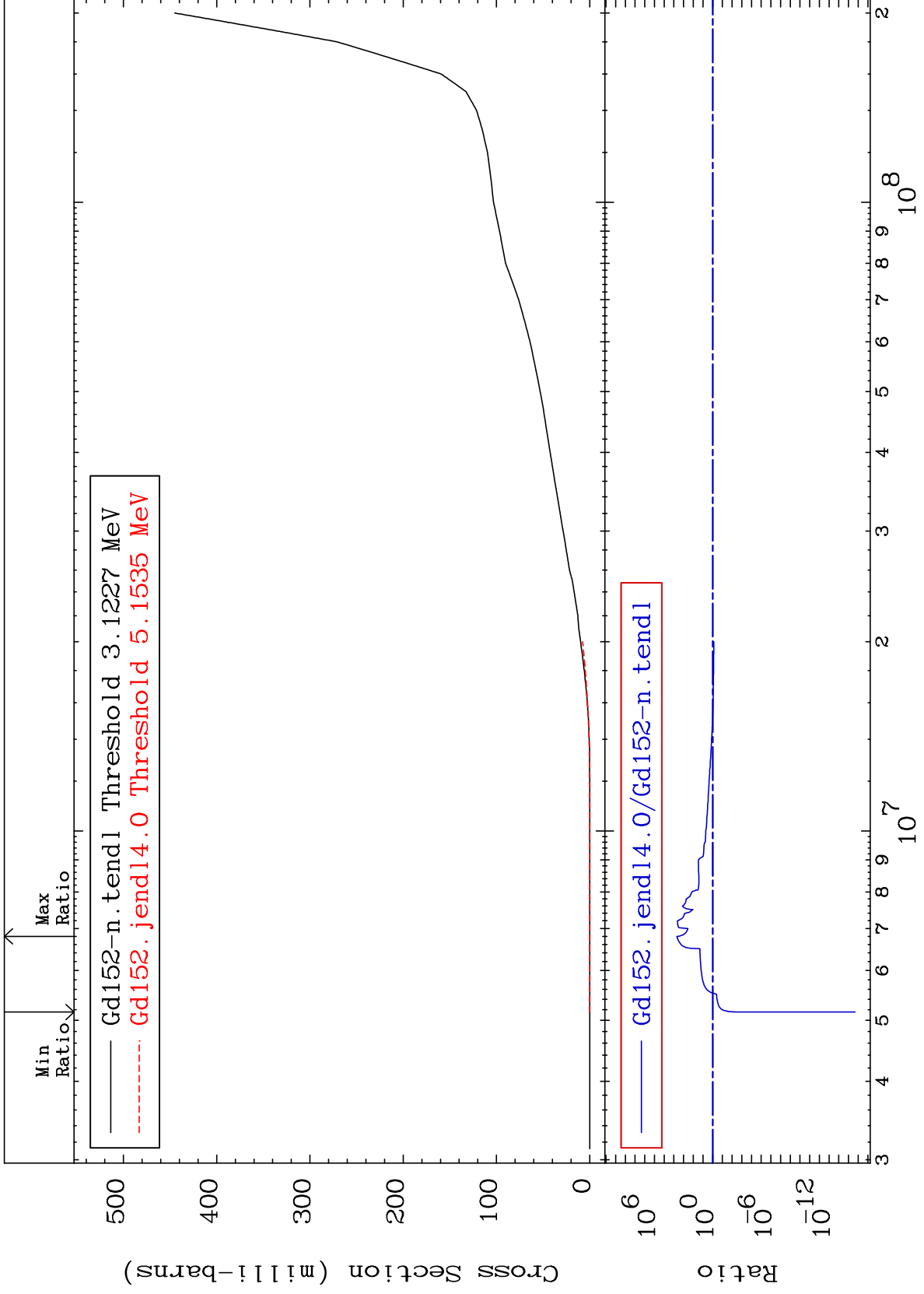


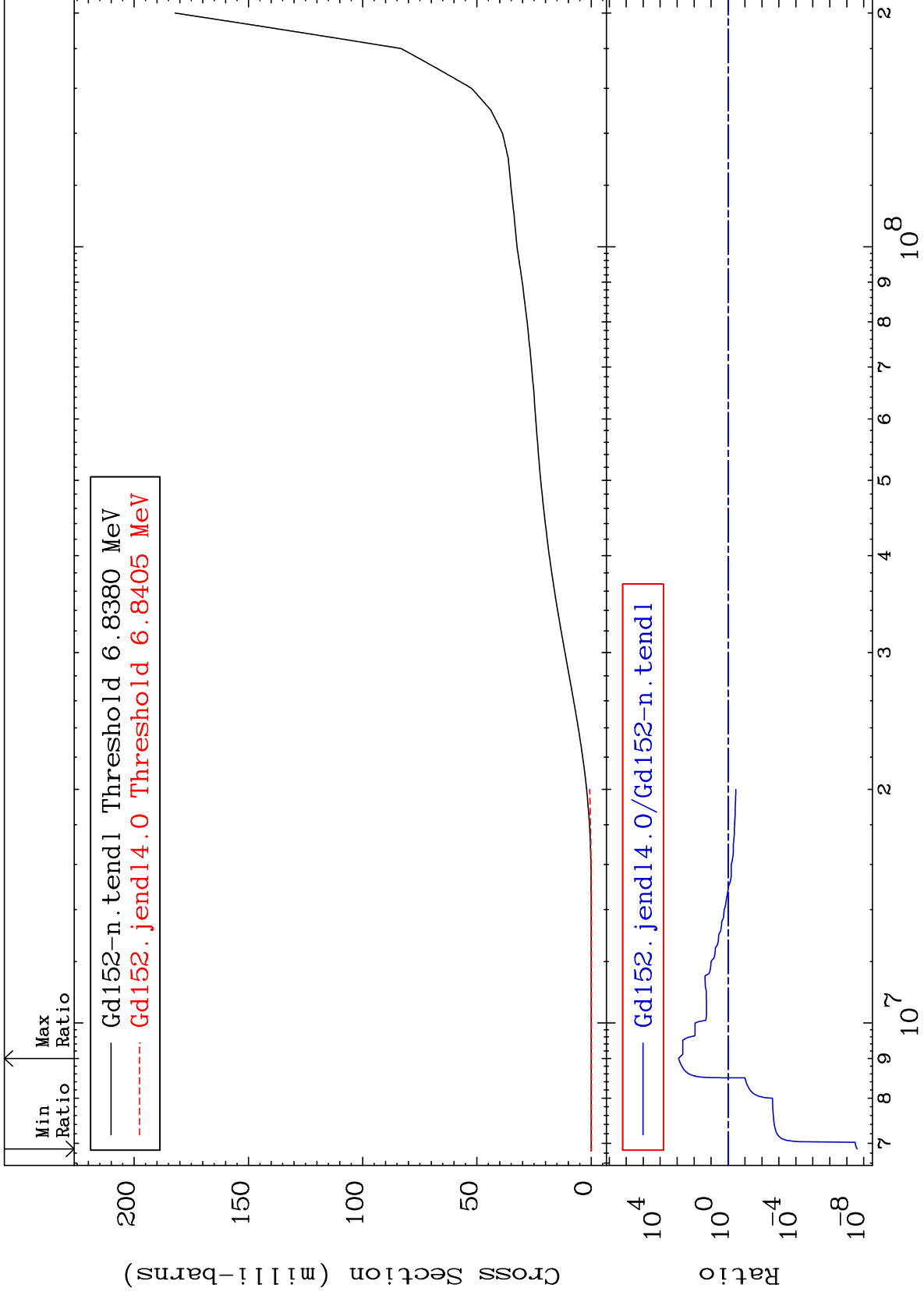


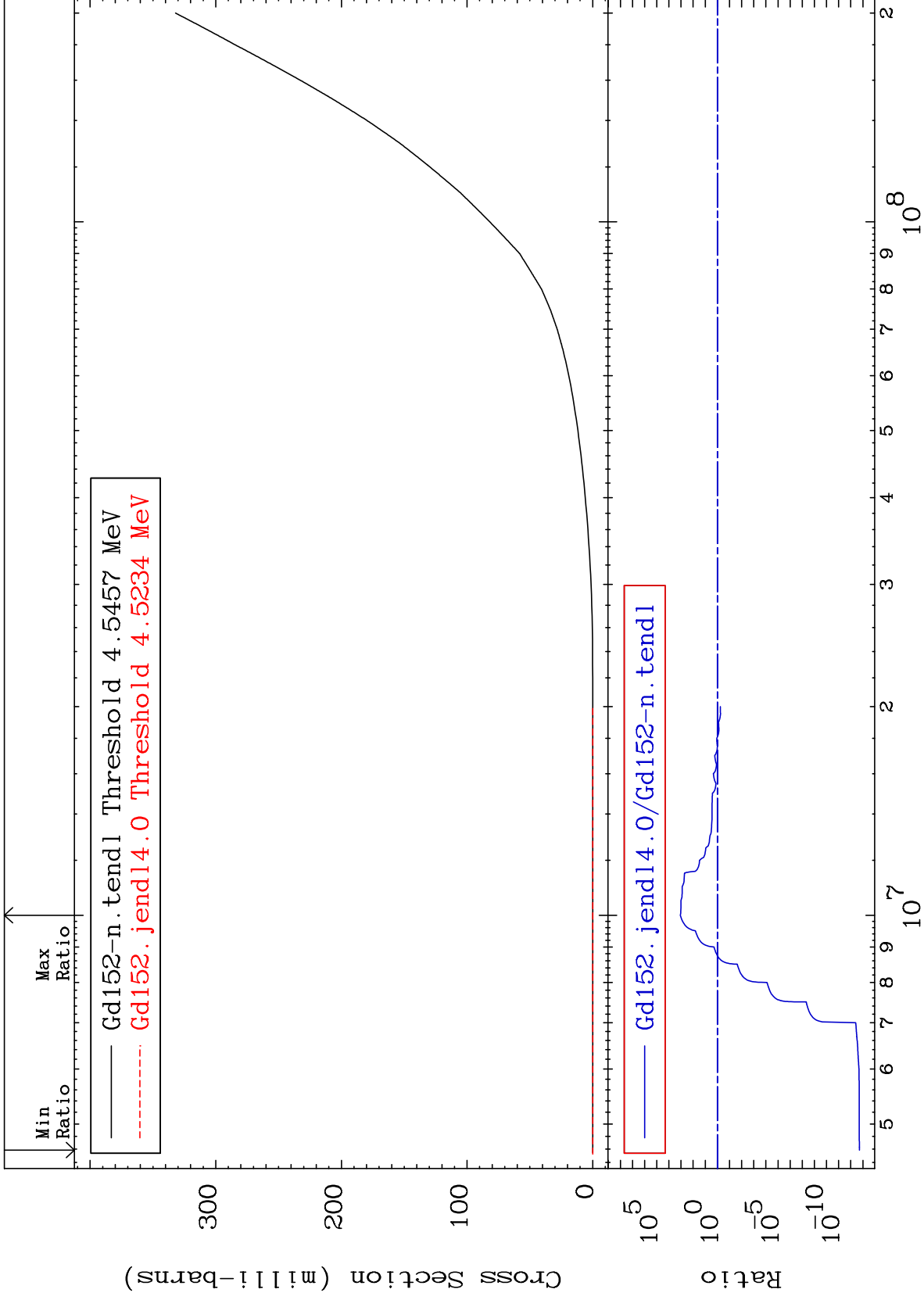
MAT 6425

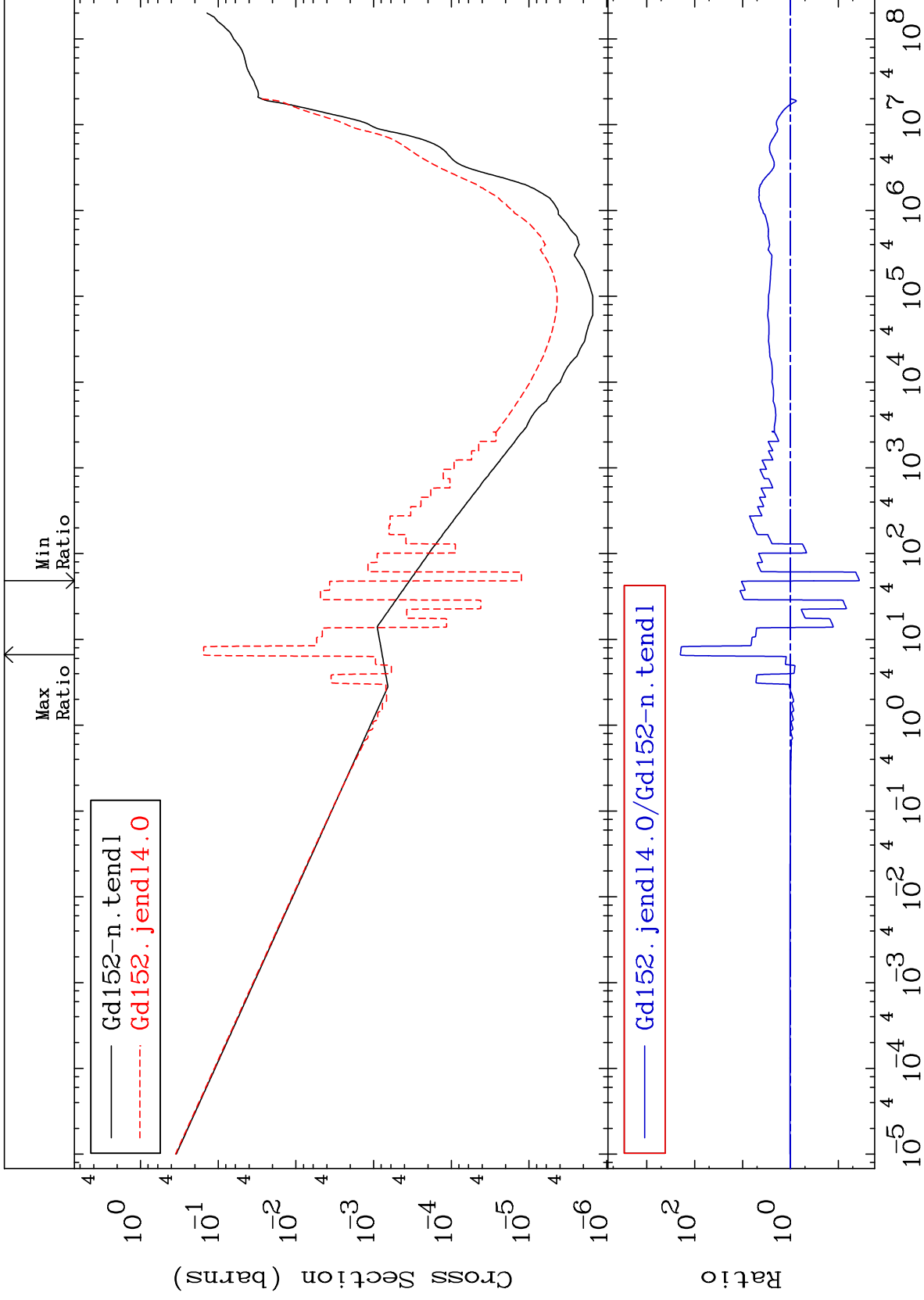
Deuterium Production  
Cross Section

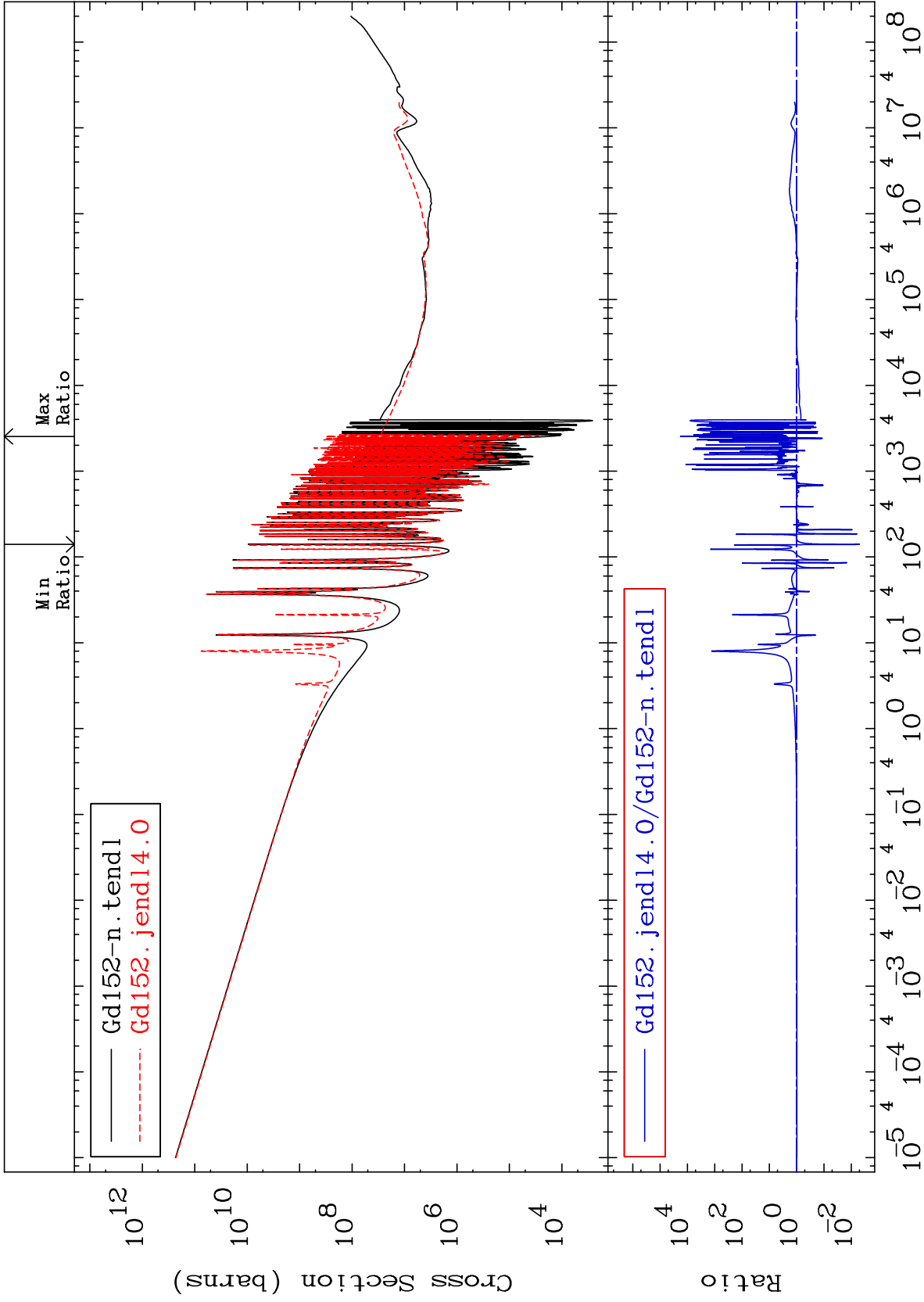
64-Gd-152  
-100.0 To 9999. %









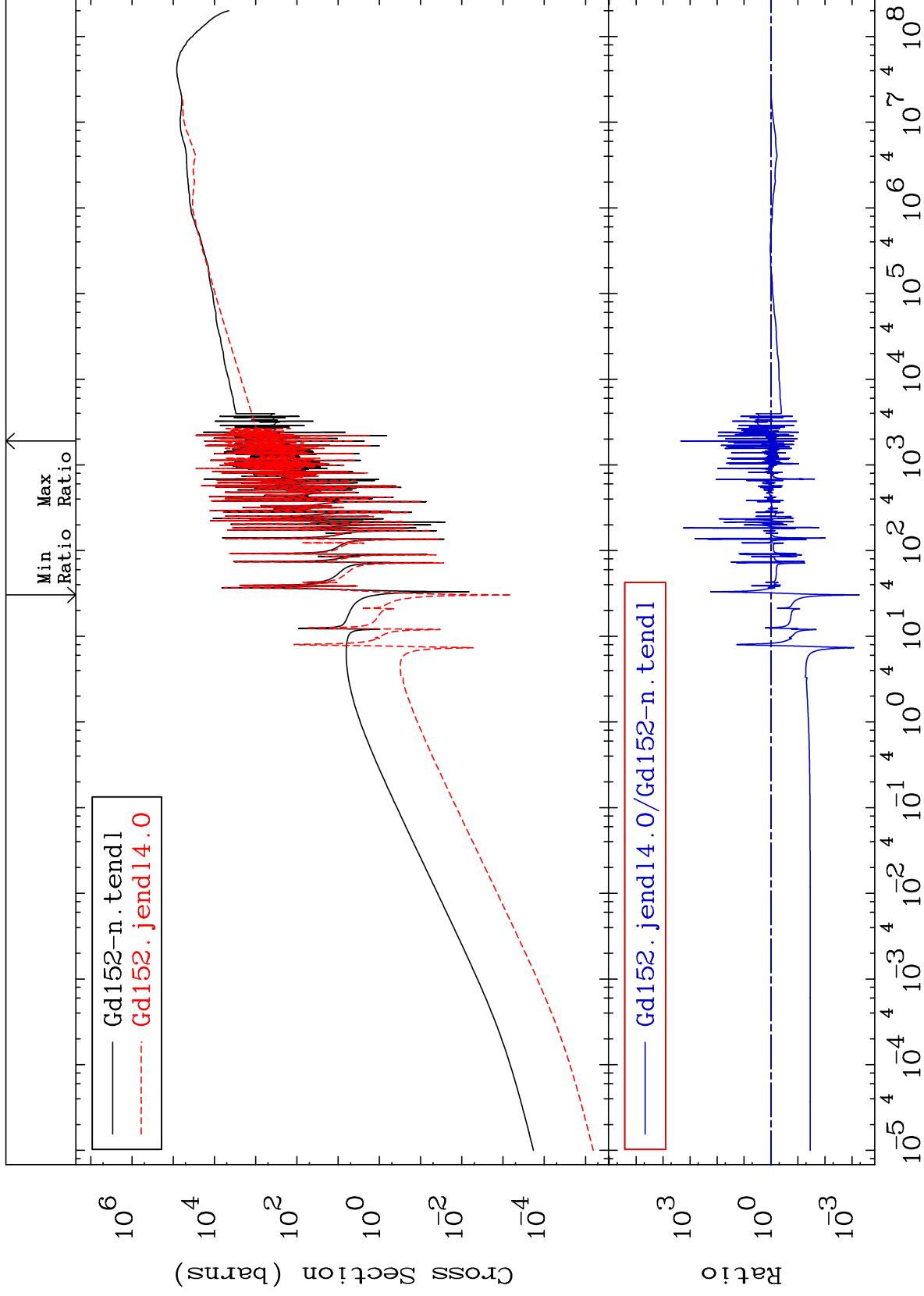


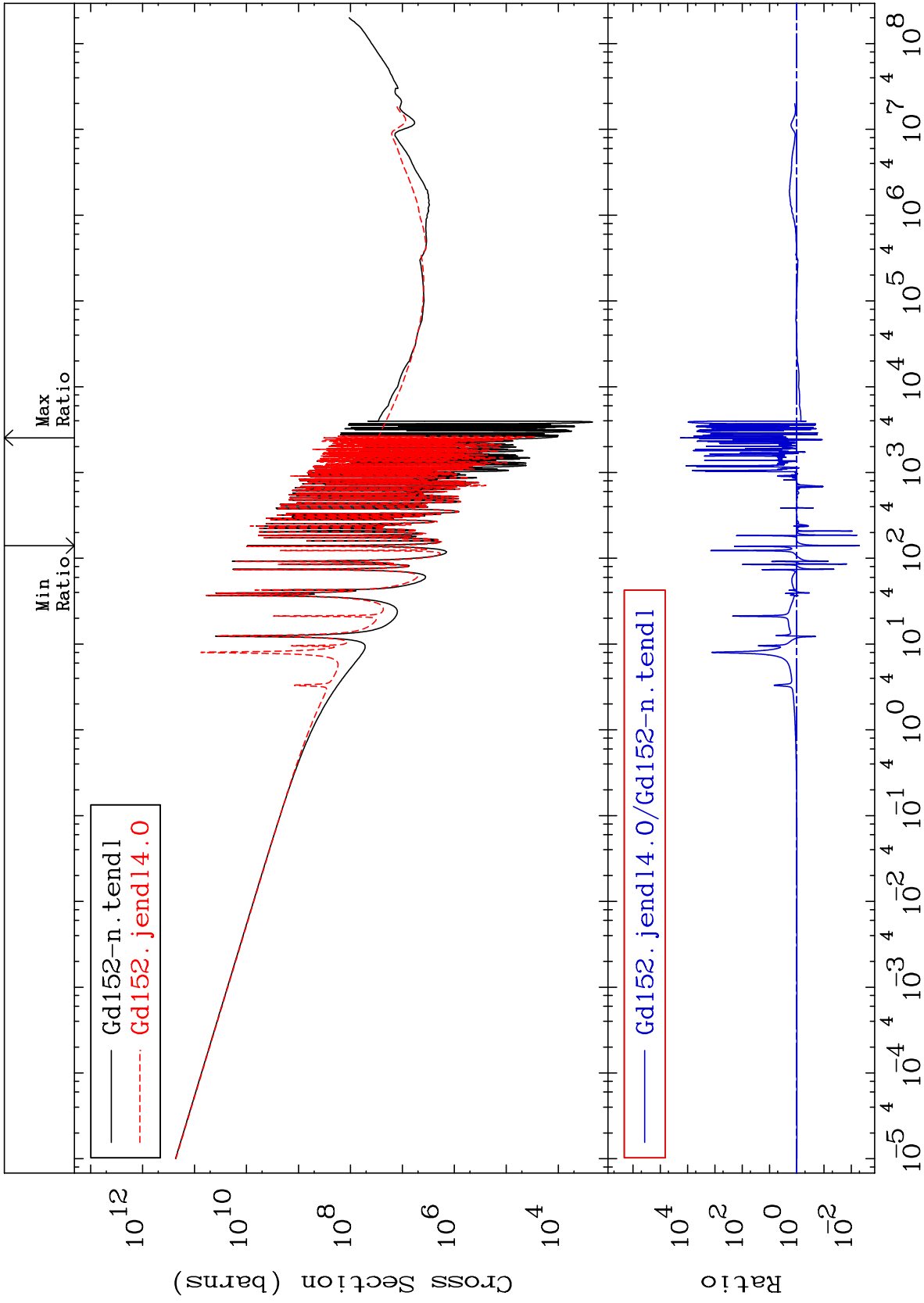


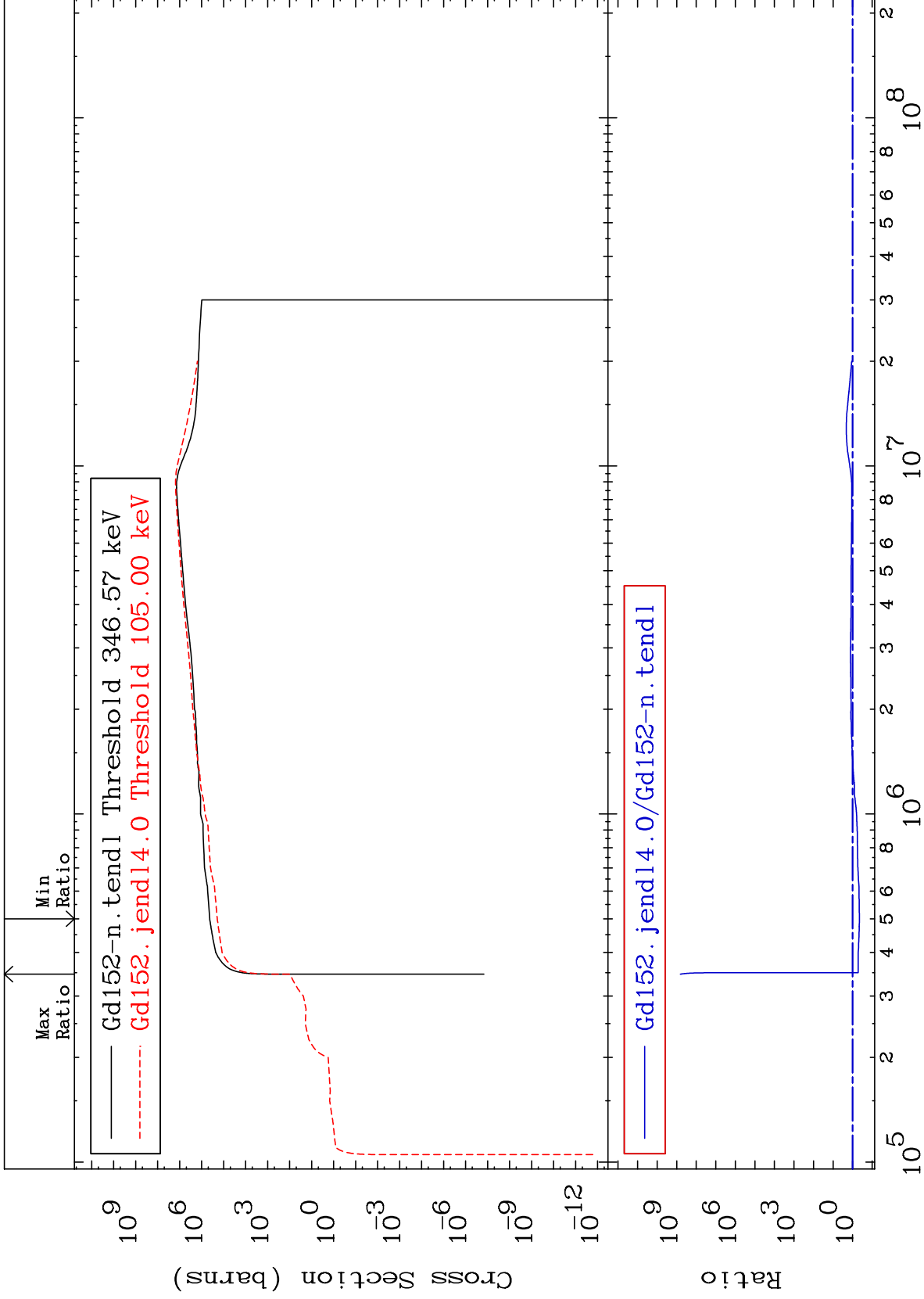
MAT 6425

Kerma elastic  
Cross Section

64-Gd-152  
-99.95 To 9999. %



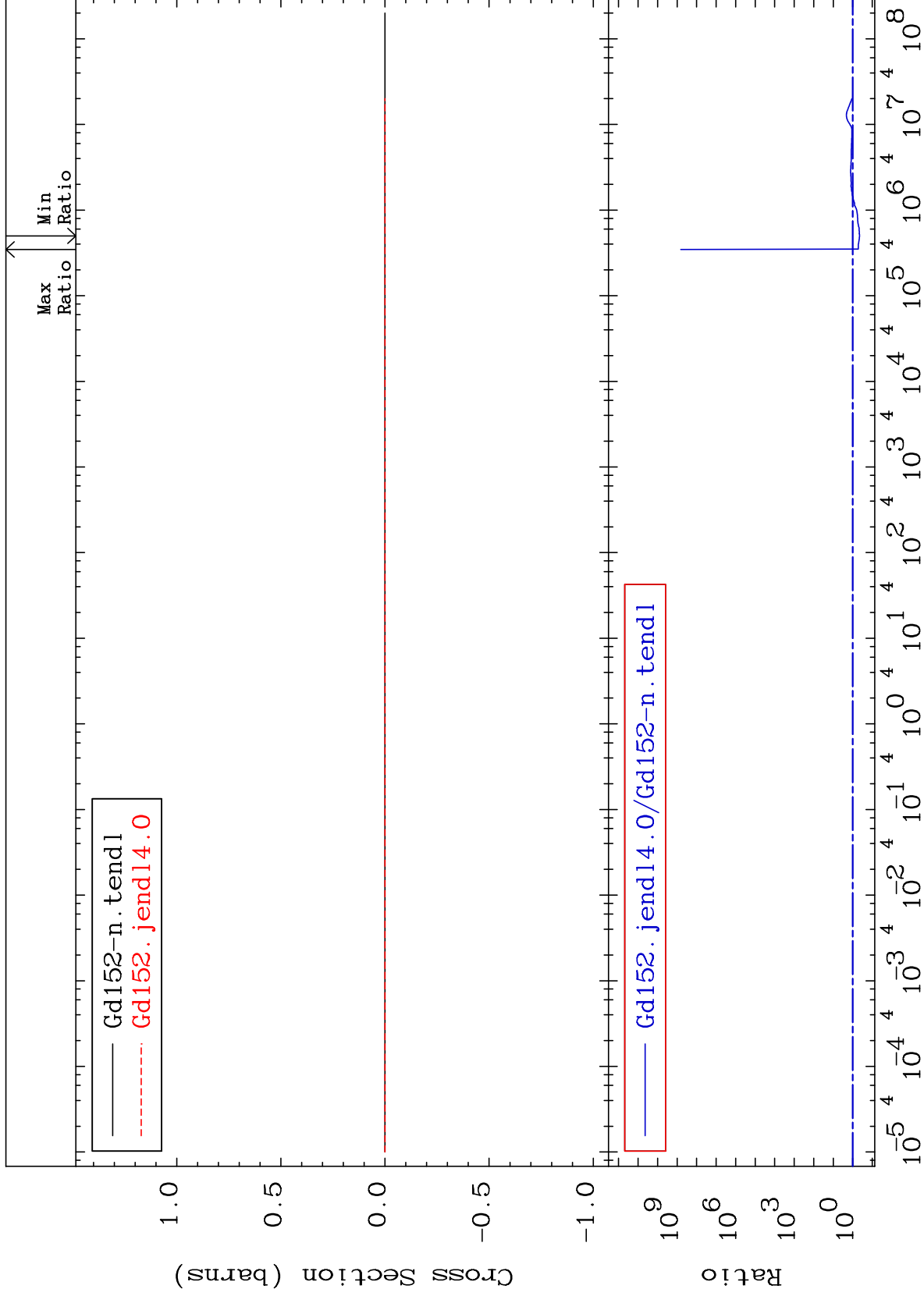




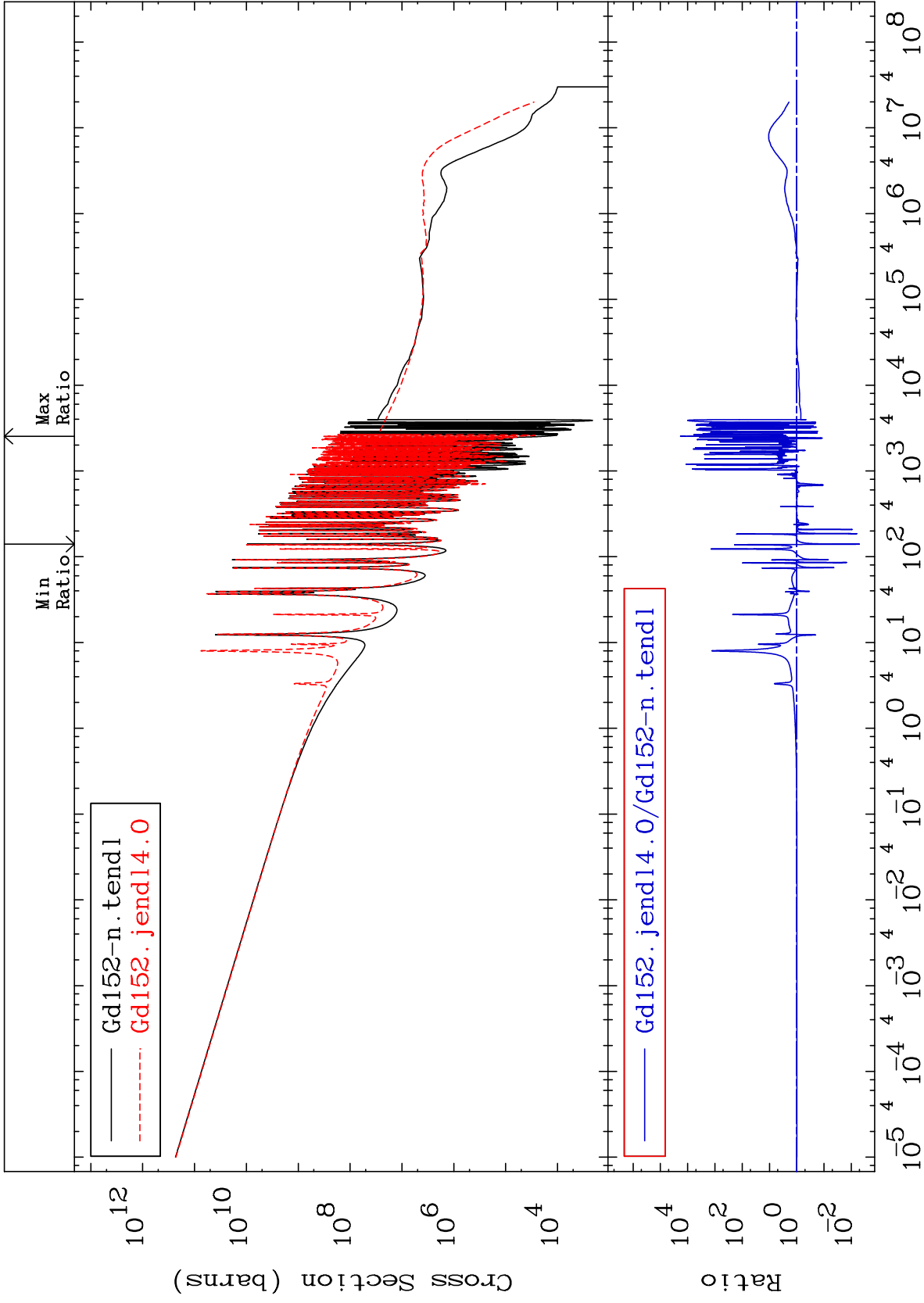
MAT 6425

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

64-Gd-152  
-55.13 To 9999. %



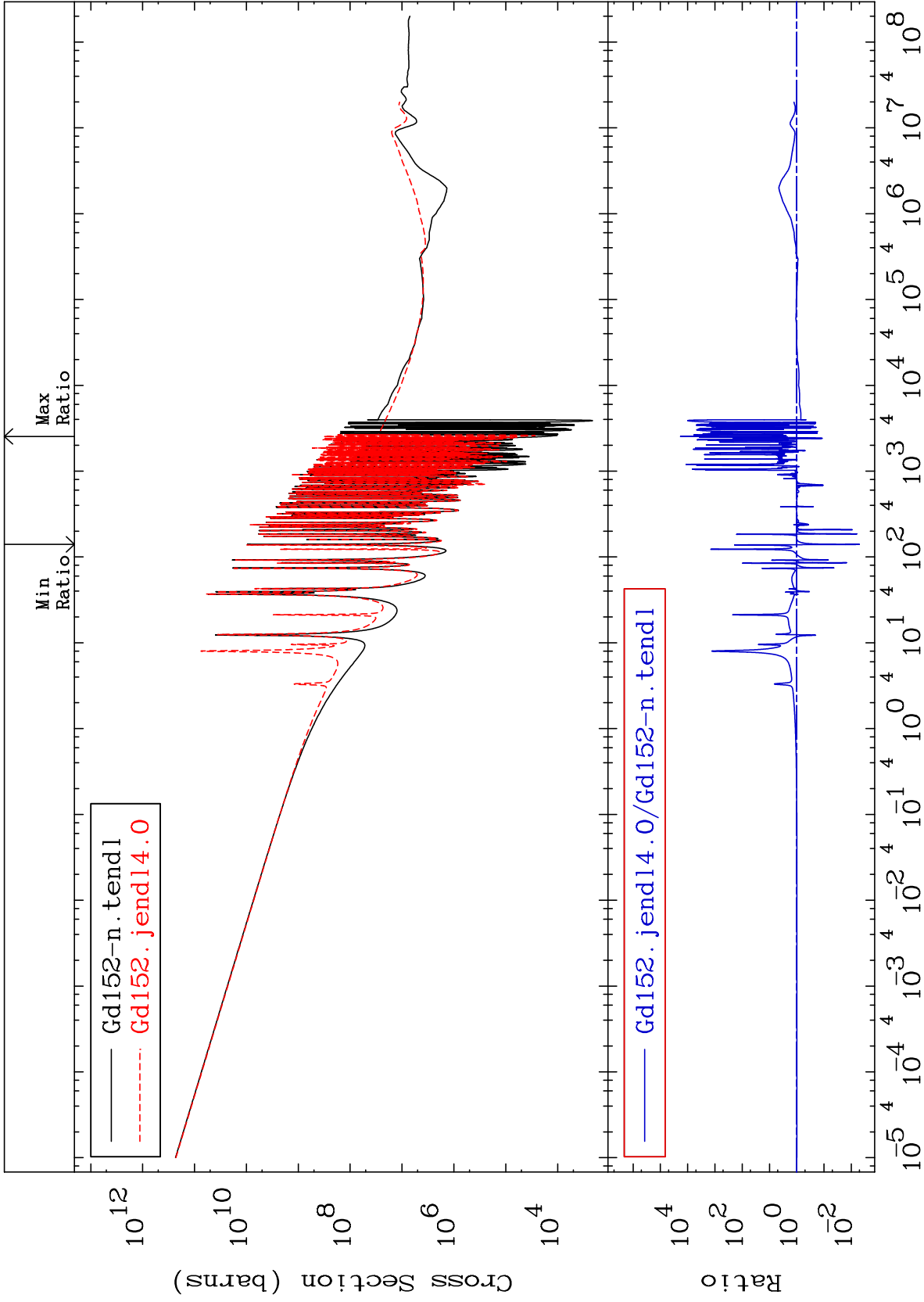
60



MAT 6425

Total photon (eV-barns)  
Cross Section

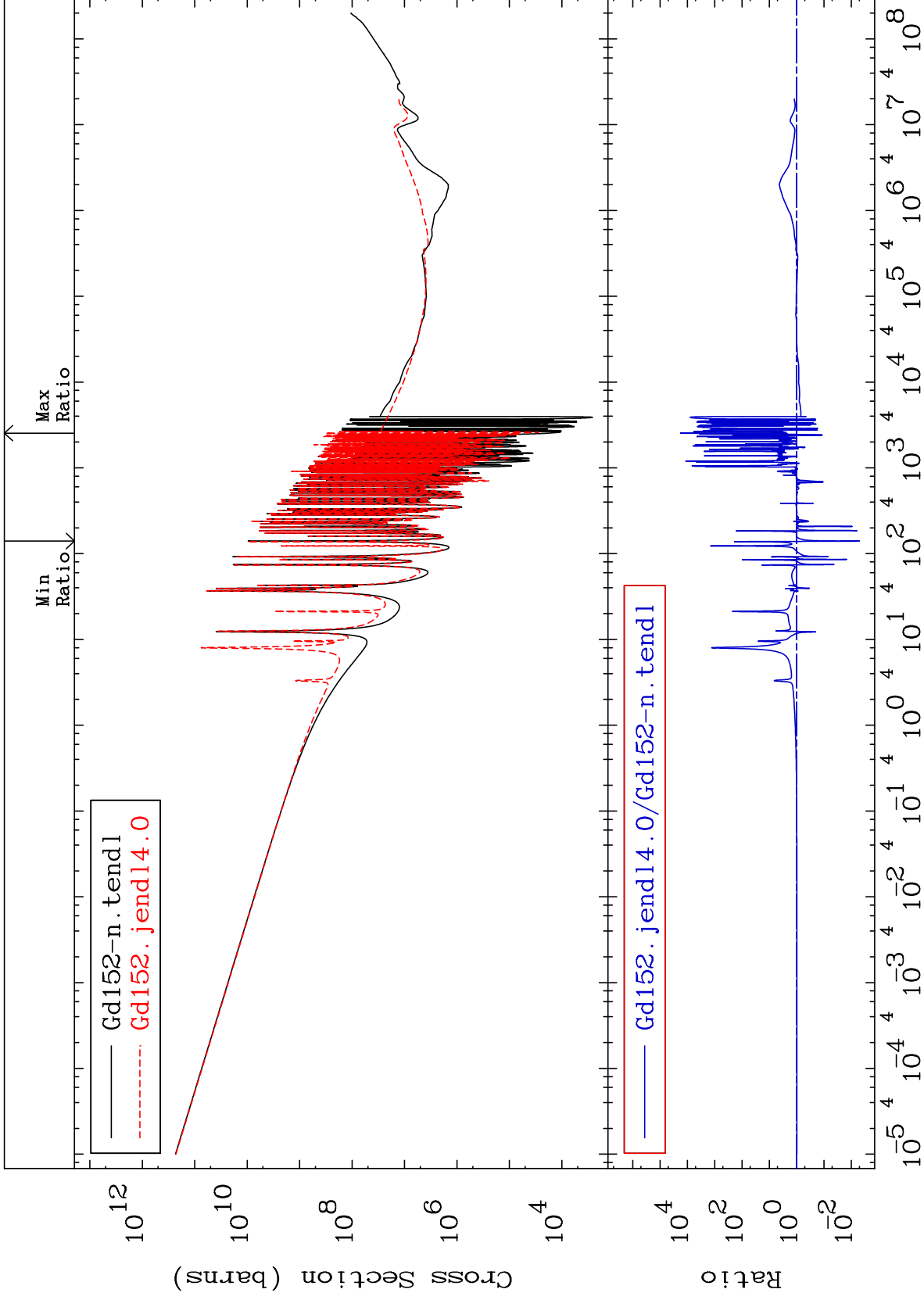
64-Gd-152  
-99.50 To 9999. %



62

Incident Energy (eV)

64-Gd-152



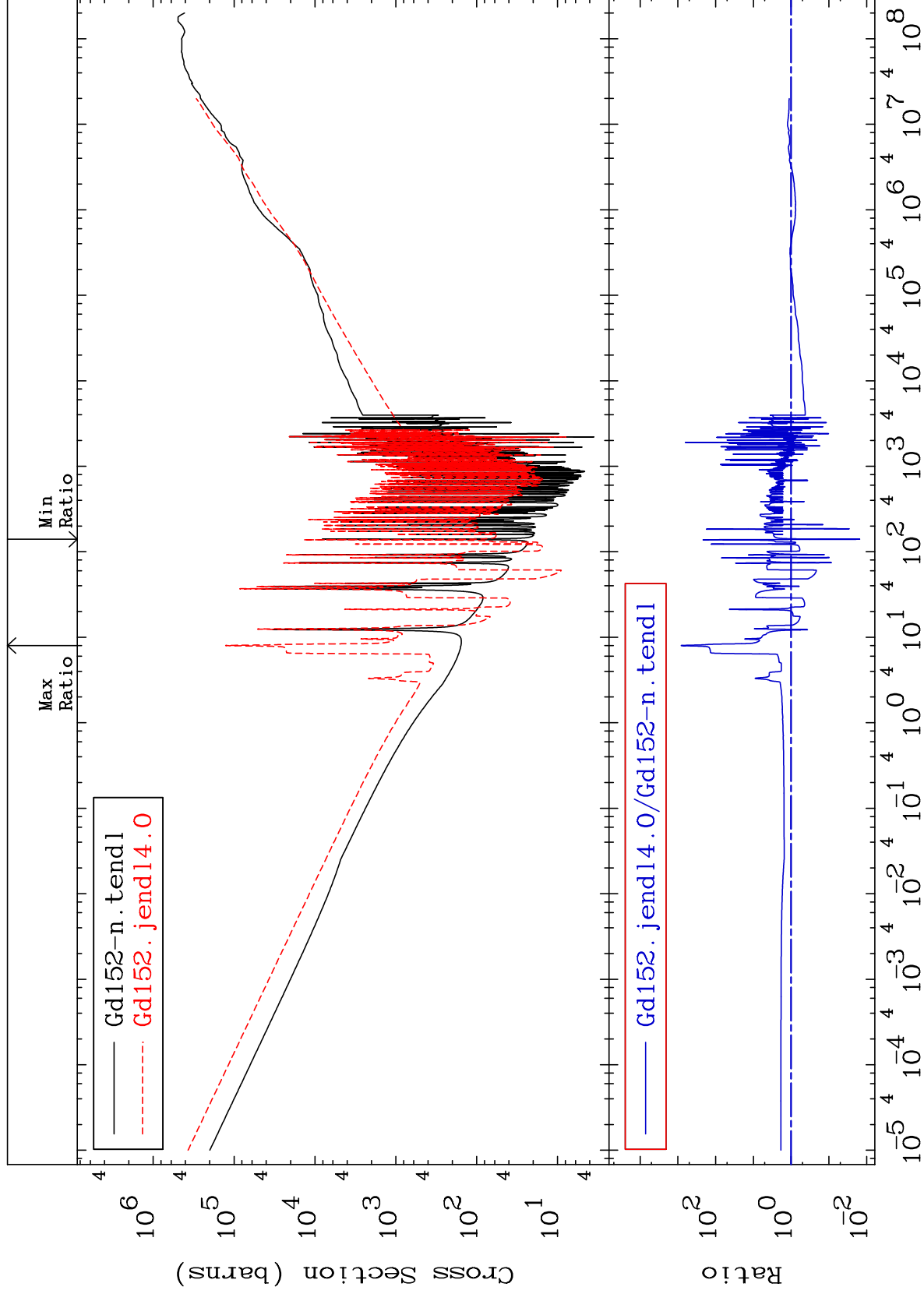
MAT 6425

Dpa total (eV-barns)

64-Gd-152

-98.47 To 9999. %

Cross Section



64

Incident Energy (eV)

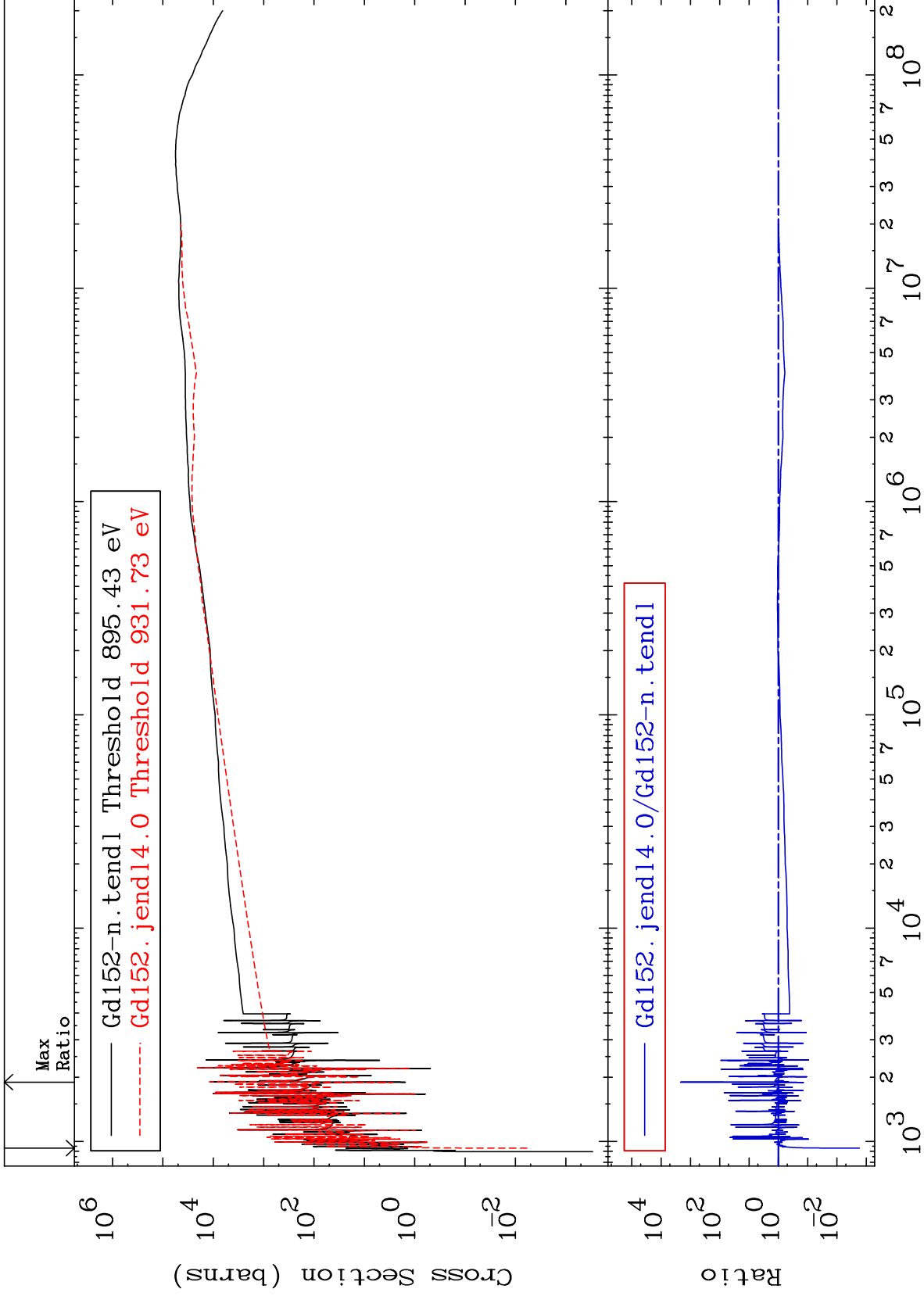
64-Gd-152



MAT 6425

Dpa elastic (mt2)  
Cross Section

64-Gd-152  
-99.83 To 9999. %



65

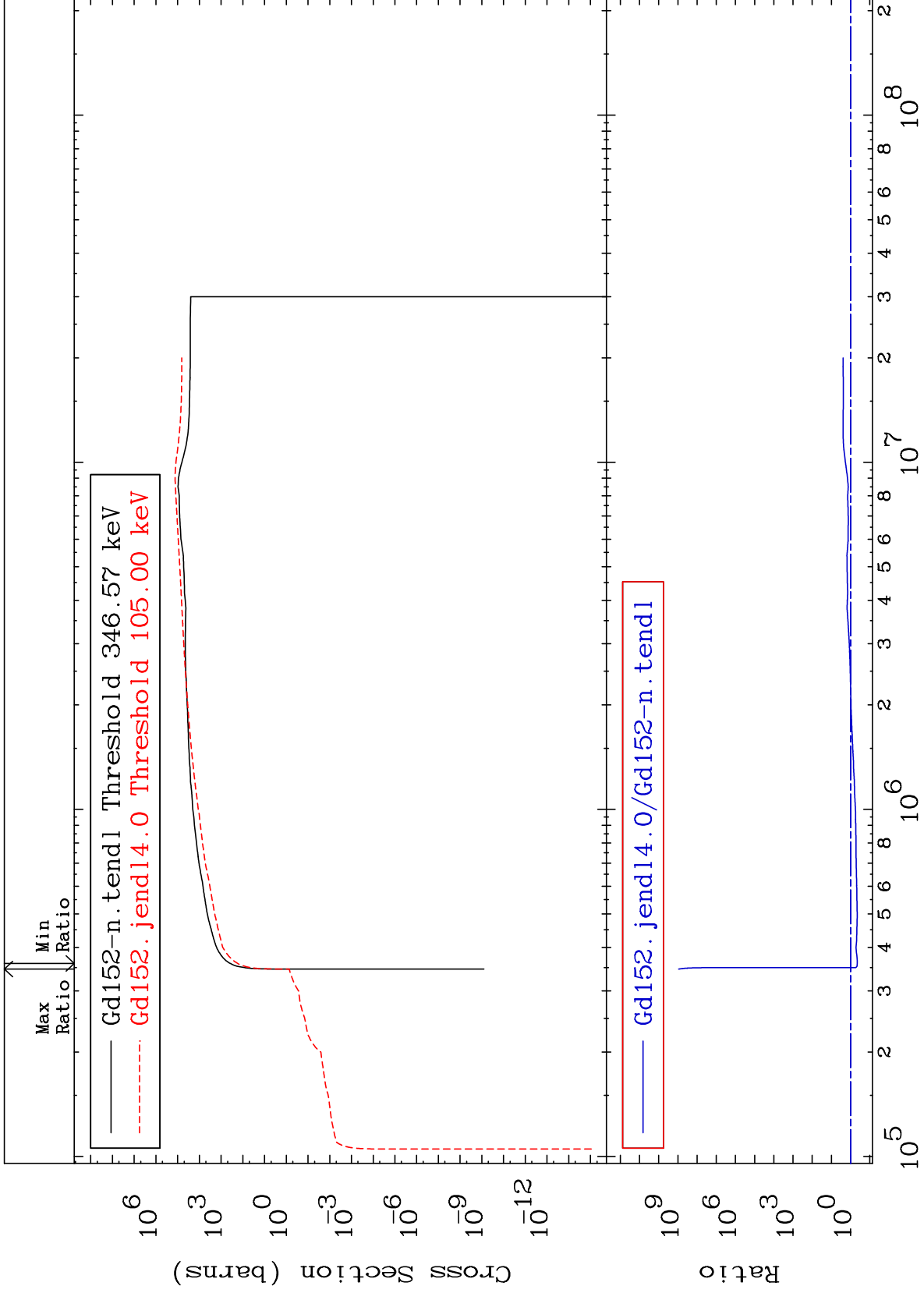
Incident Energy (eV)

64-Gd-152

MAT 6425

Dpa inelastic (mt51-91)  
Cross Section

64-Gd-152  
-55.06 To 9999. %



66

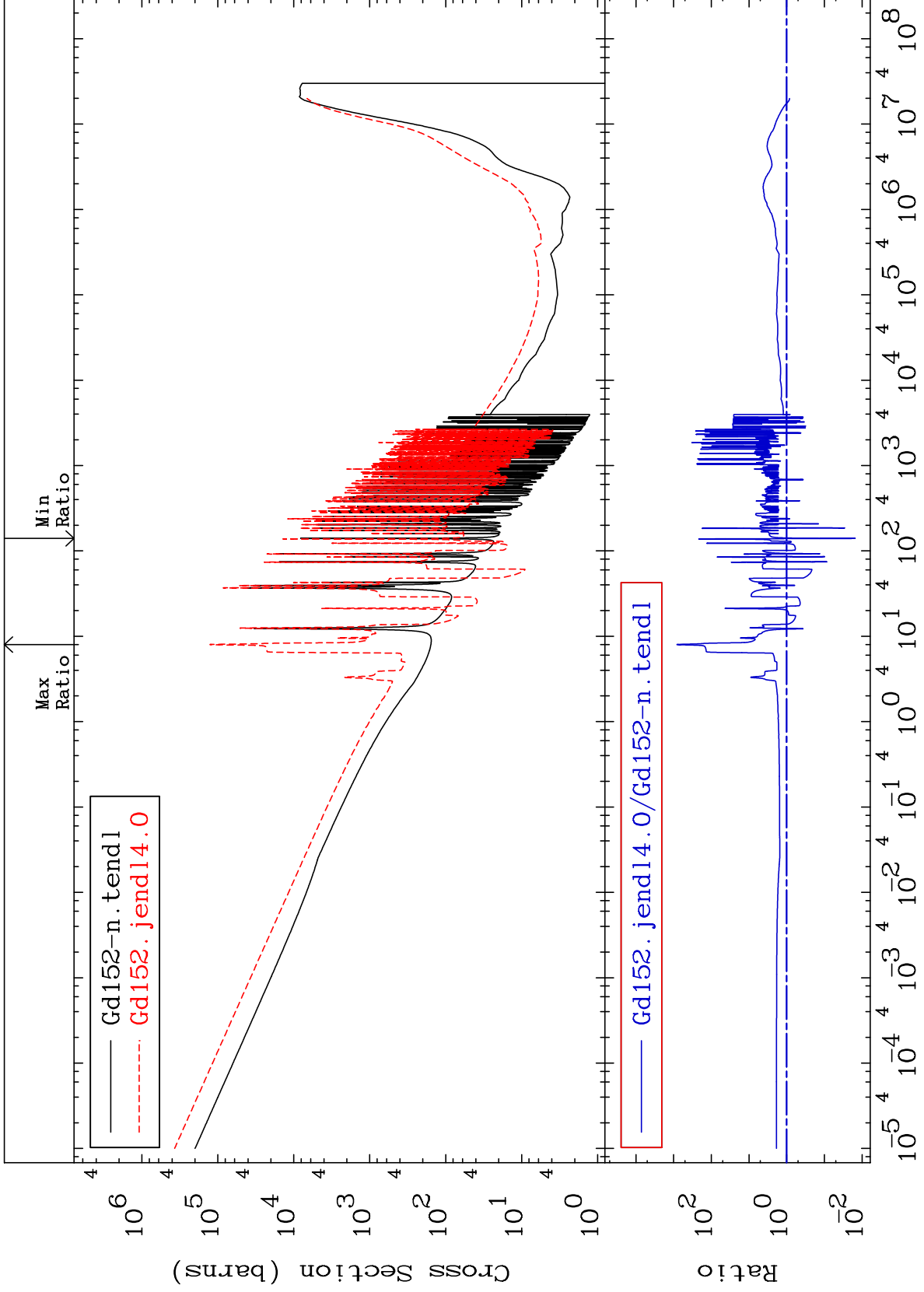
Incident Energy (eV)

64-Gd-152

MAT 6425

Dpa disappearance (mt102 -120)  
Cross Section

64-Gd-152  
-98.47 To 9999. %



67

Incident Energy (eV)

64-Gd-152