

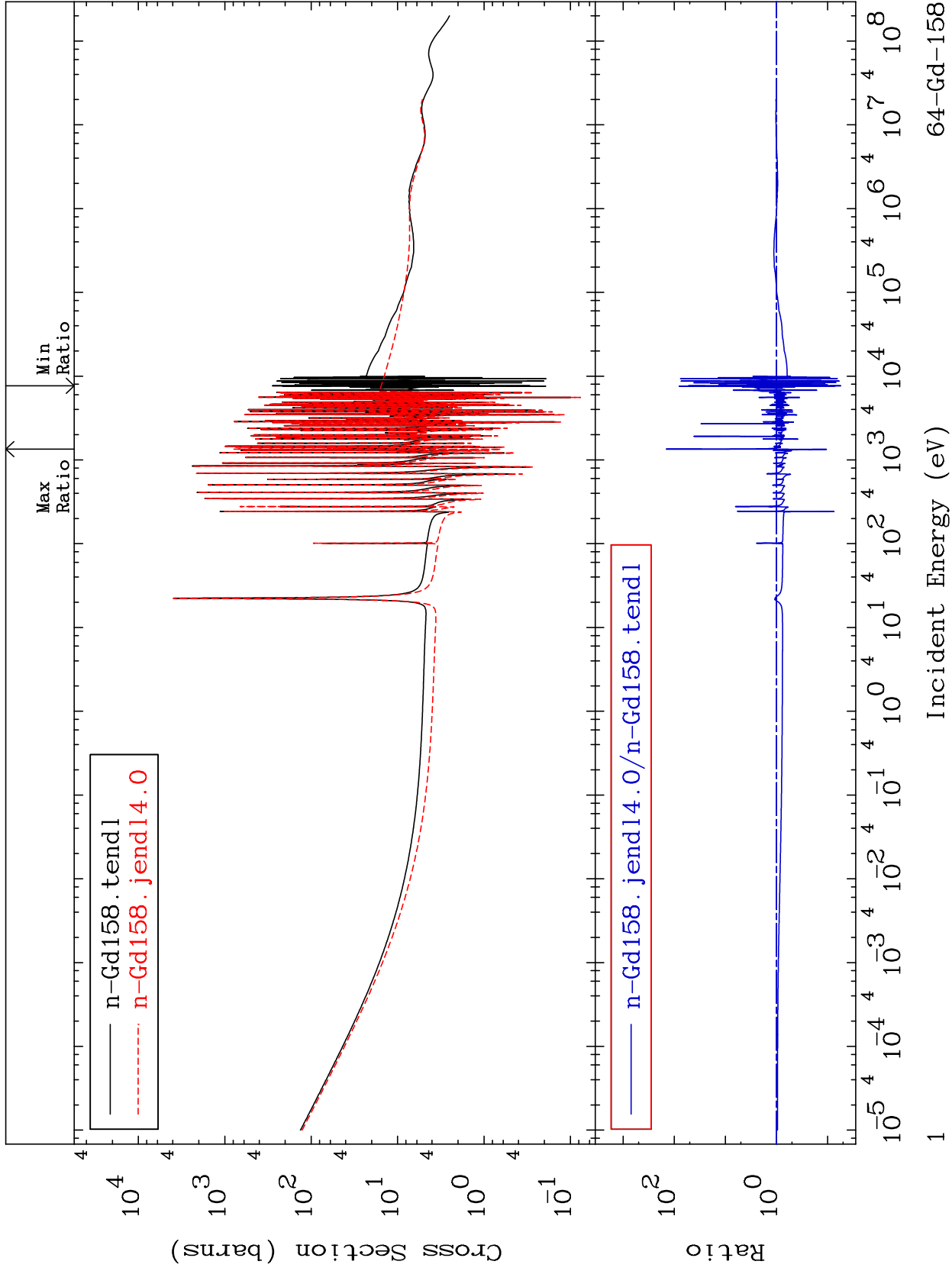
MAT 6443

Total

64-Gd-158

Cross Section

-94.49 To 9999. %



64-Gd-158

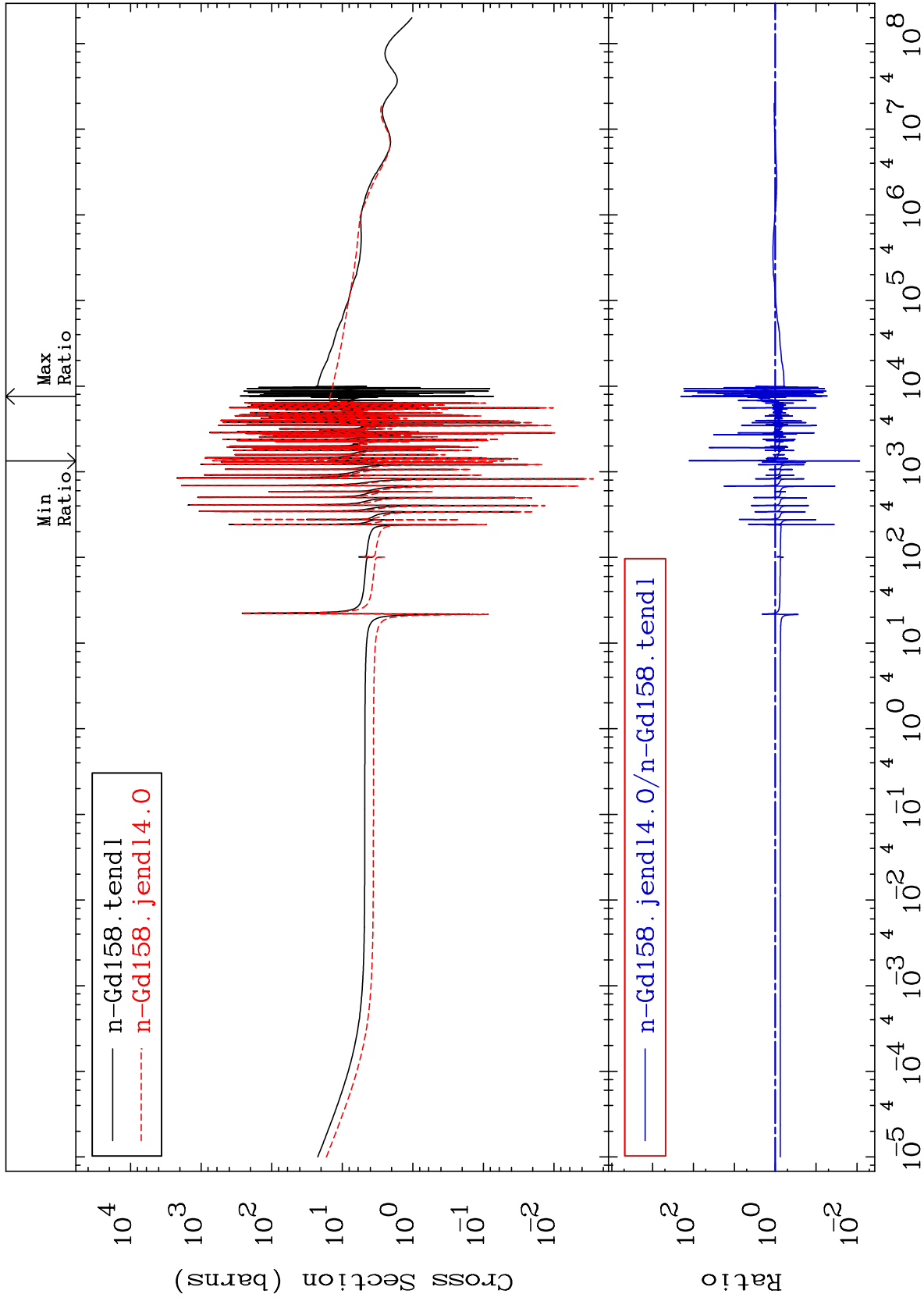
MAT 6443

Elastic

64-Gd-158

Cross Section

-99.13 To 9999. %



2

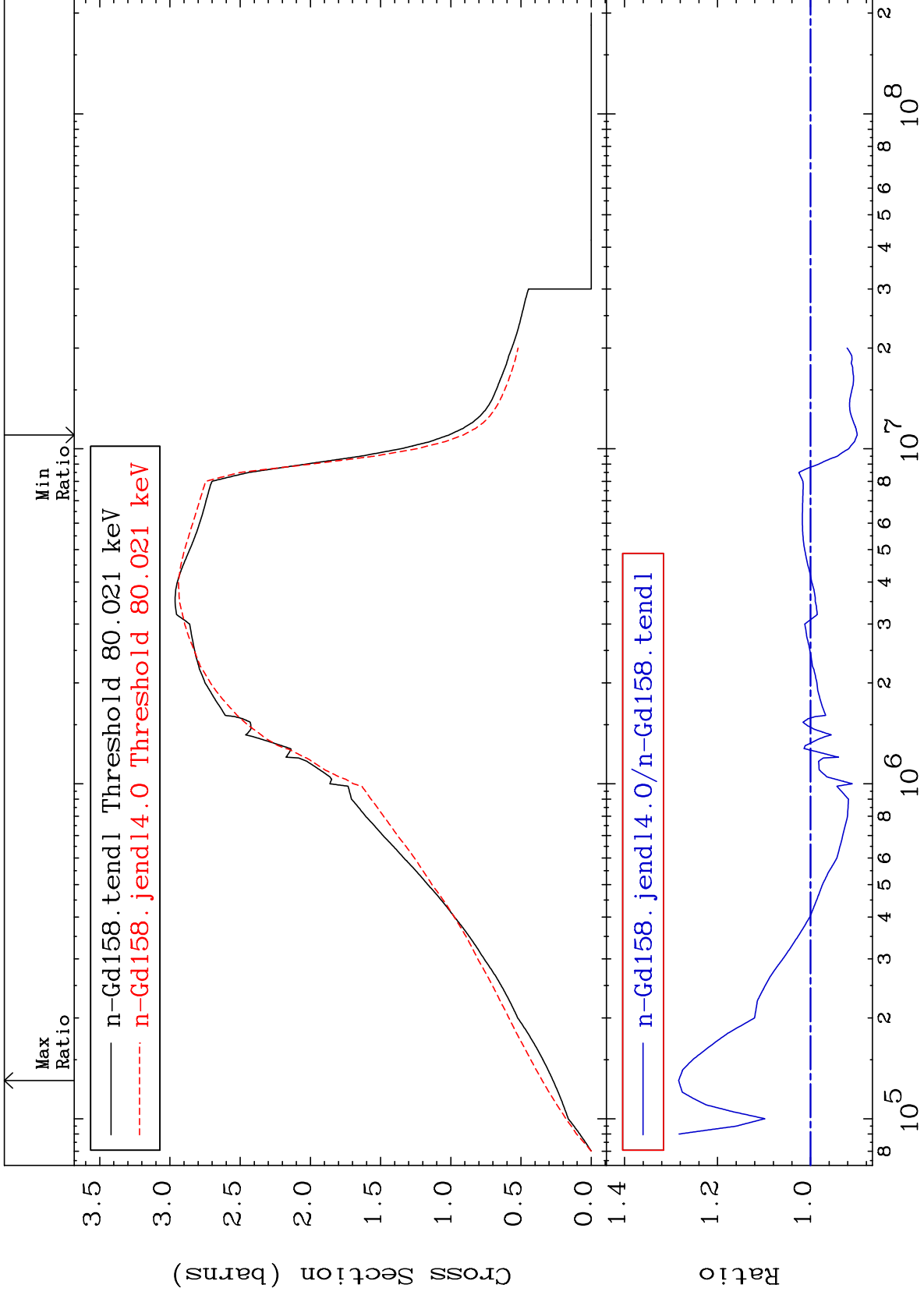
Incident Energy (eV)

64-Gd-158

MAT 6443

Inelastic  
Cross Section

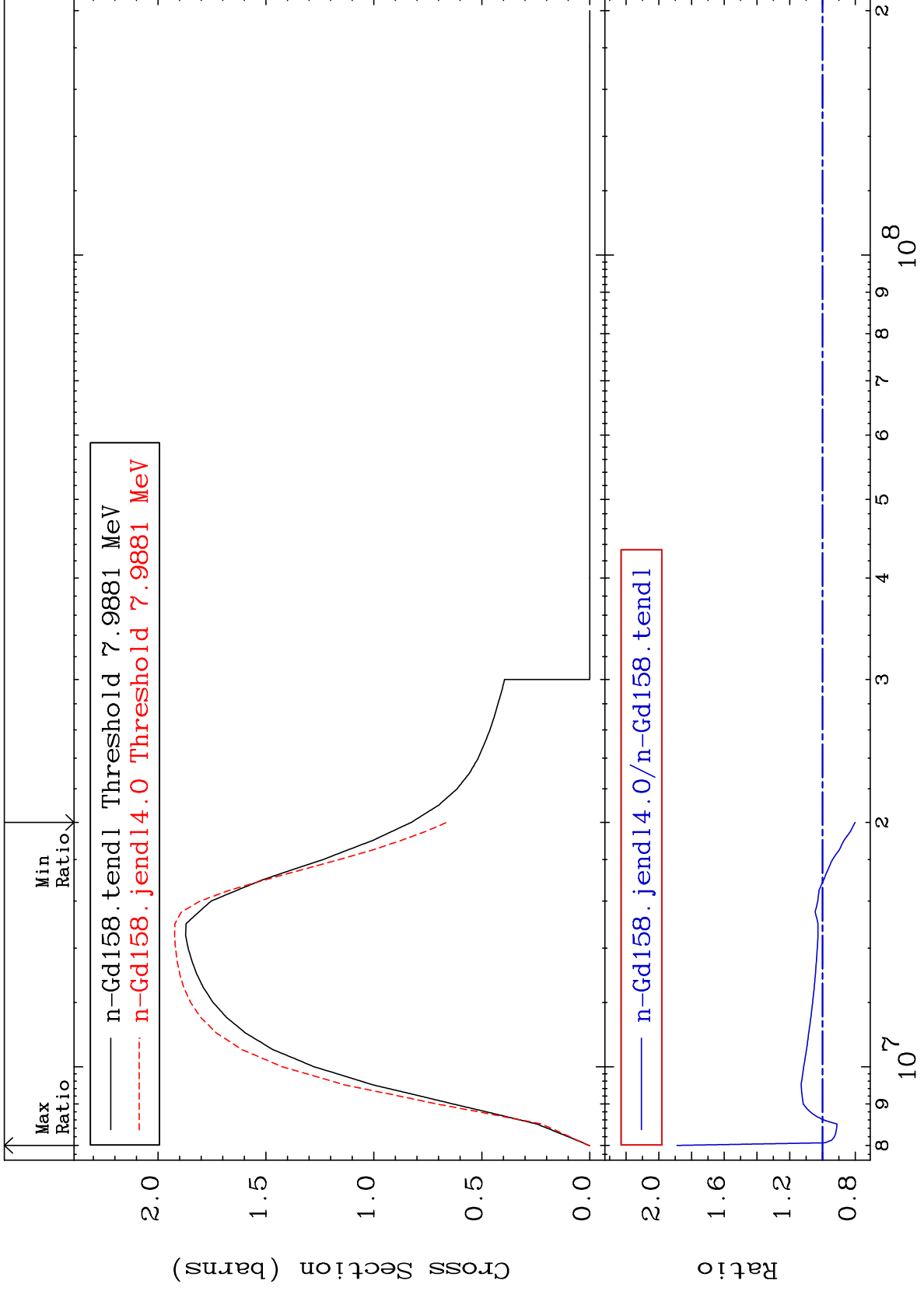
64-Gd-158  
-10.05 To 28.37 %



MAT 6443

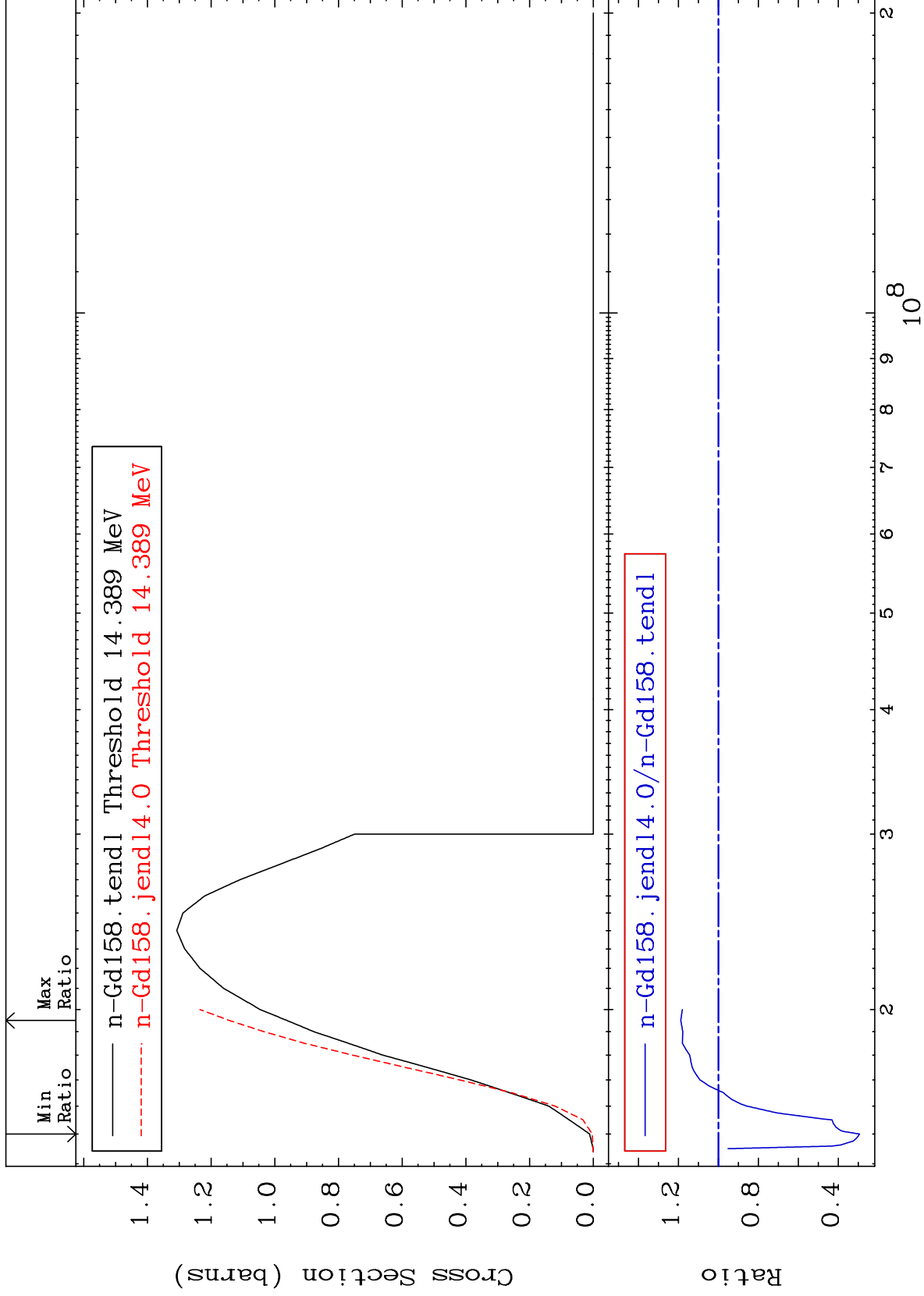
(n,2n)  
Cross Section

64-Gd-158  
-19.92 To 88.92 %



4

64-Gd-158



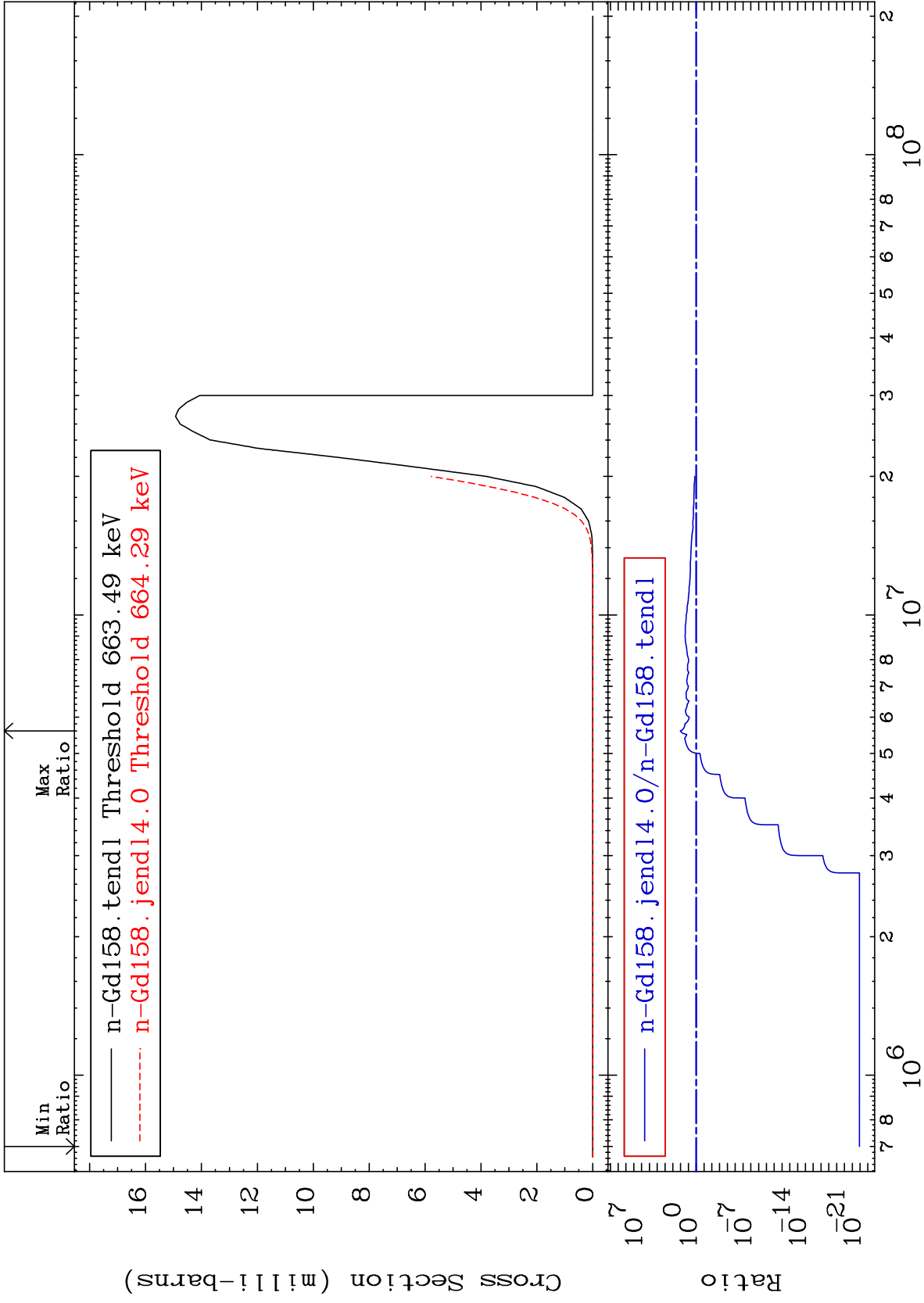
MAT 6443

(n,n')  $\alpha$

64-Gd-158

Cross Section

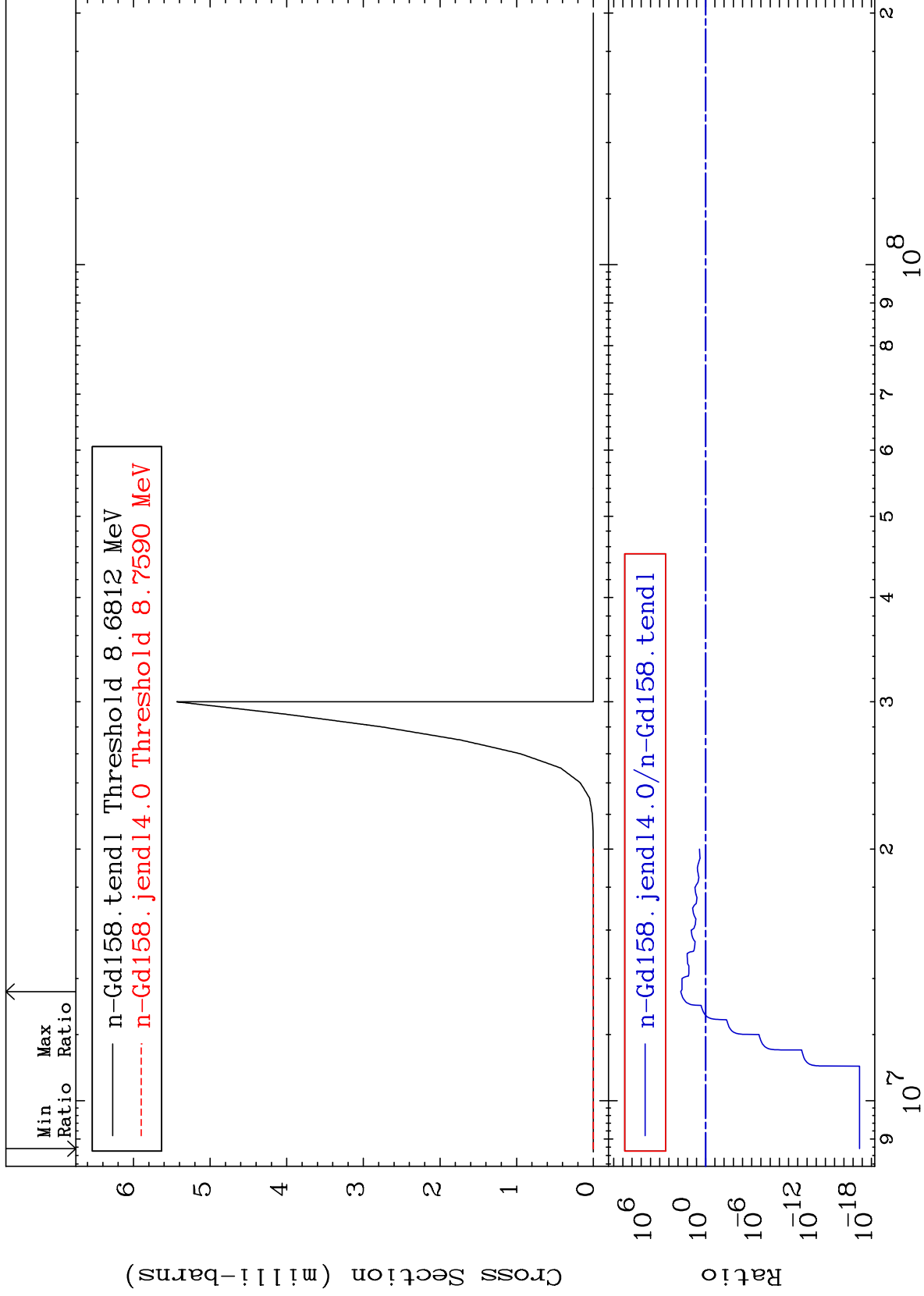
-100.0 To 9999. %



MAT 6443

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

64-Gd-158  
-100.0 To 9999. %



7

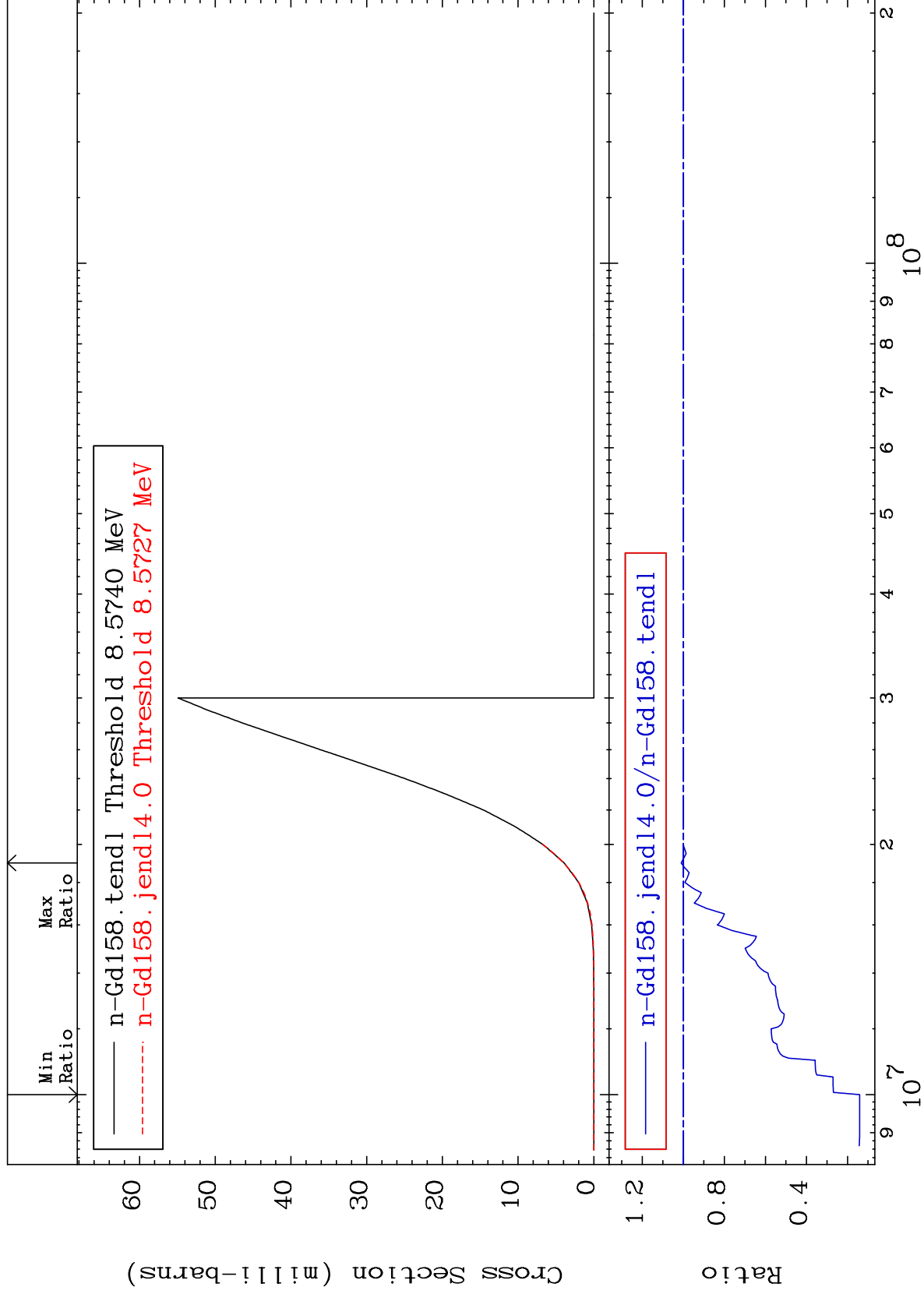
Incident Energy (eV)

64-Gd-158

MAT 6443

(n,n') p  
Cross Section

64-Gd-158  
-85.92 To 1.060 %



8

Incident Energy (eV)

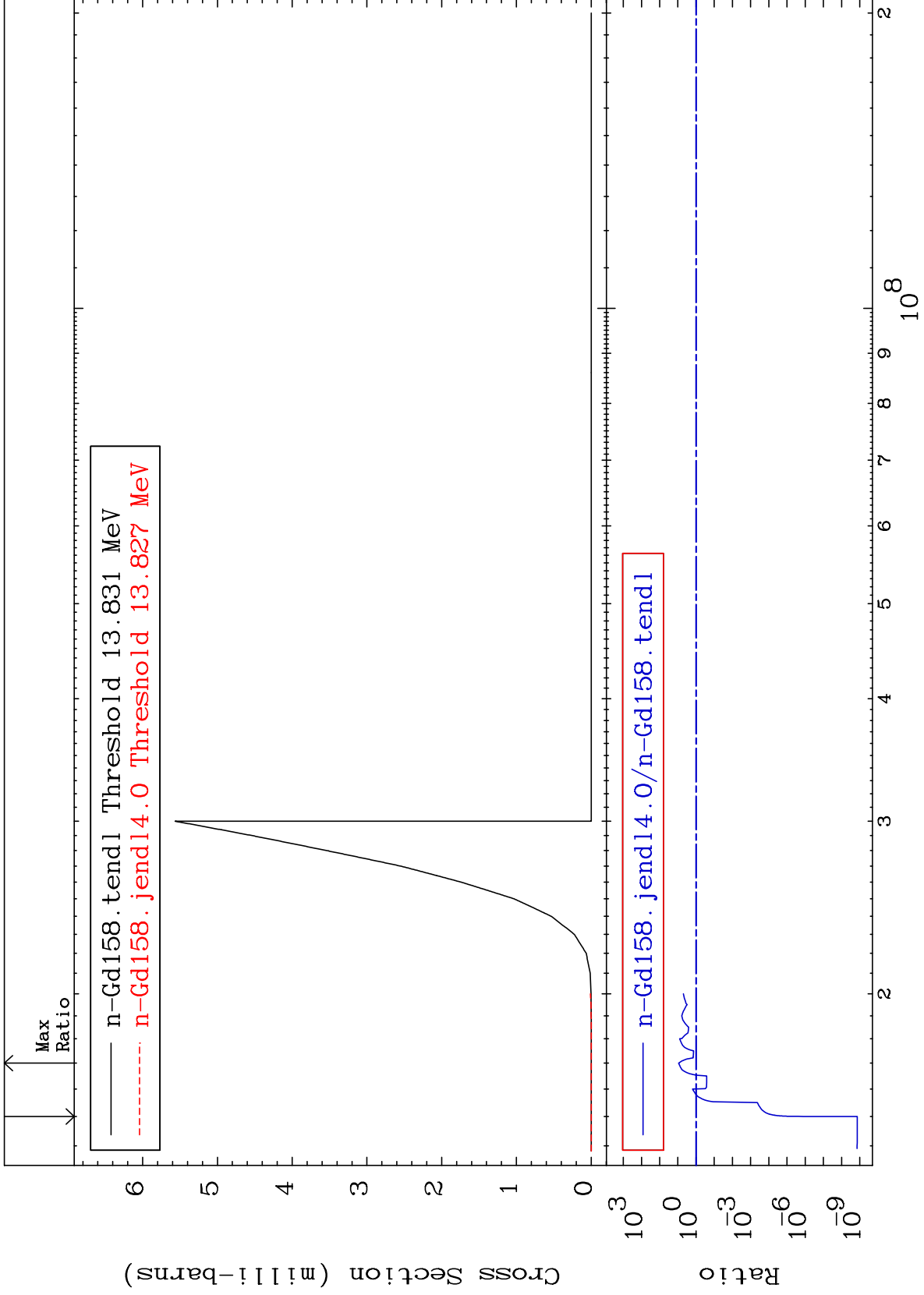
64-Gd-158



MAT 6443

(n,n') d  
Cross Section

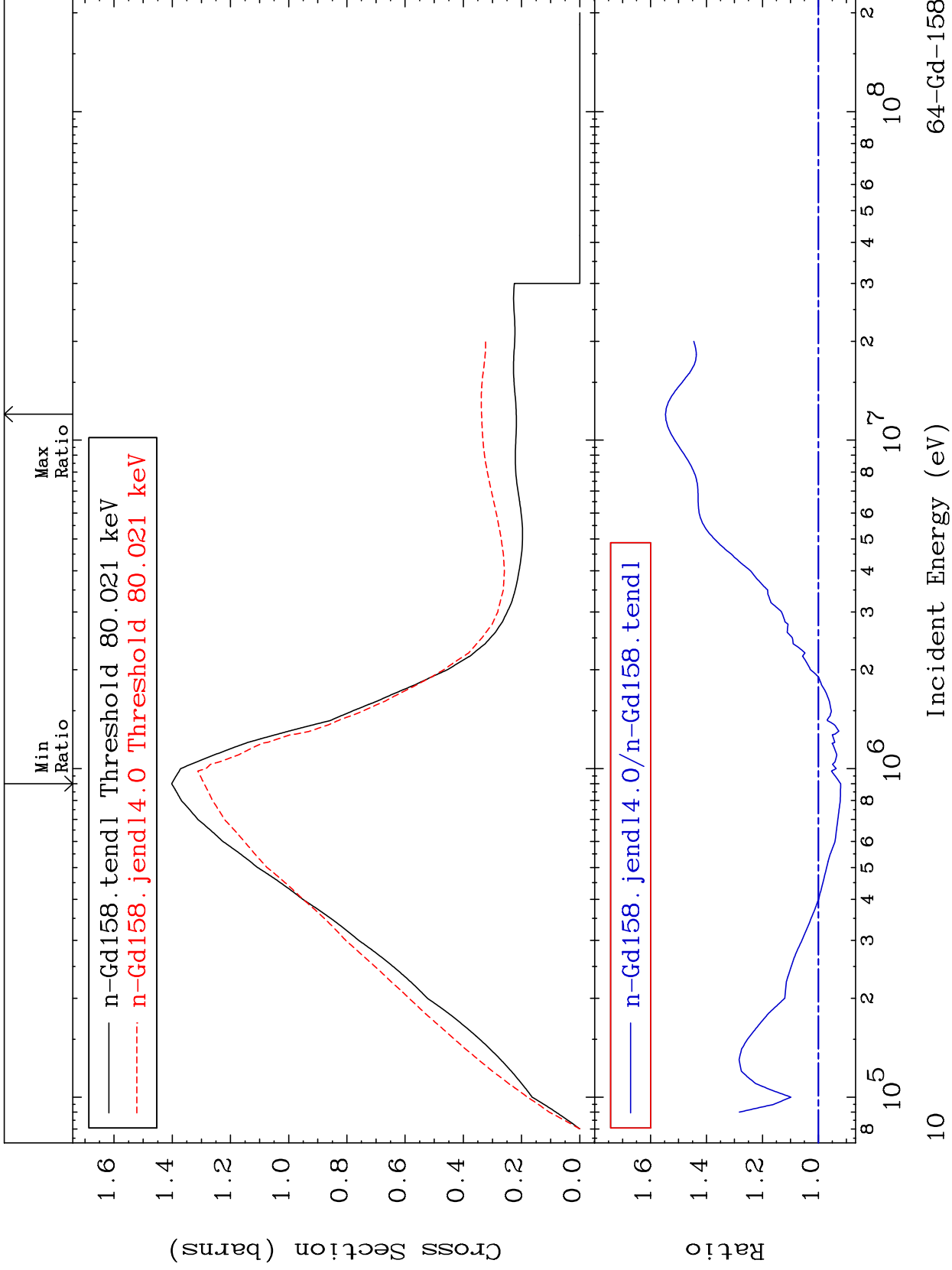
64-Gd-158  
-100.0 To 805.3 %



MAT 6443

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

64-Gd-158  
-7.958 To 54.66 %

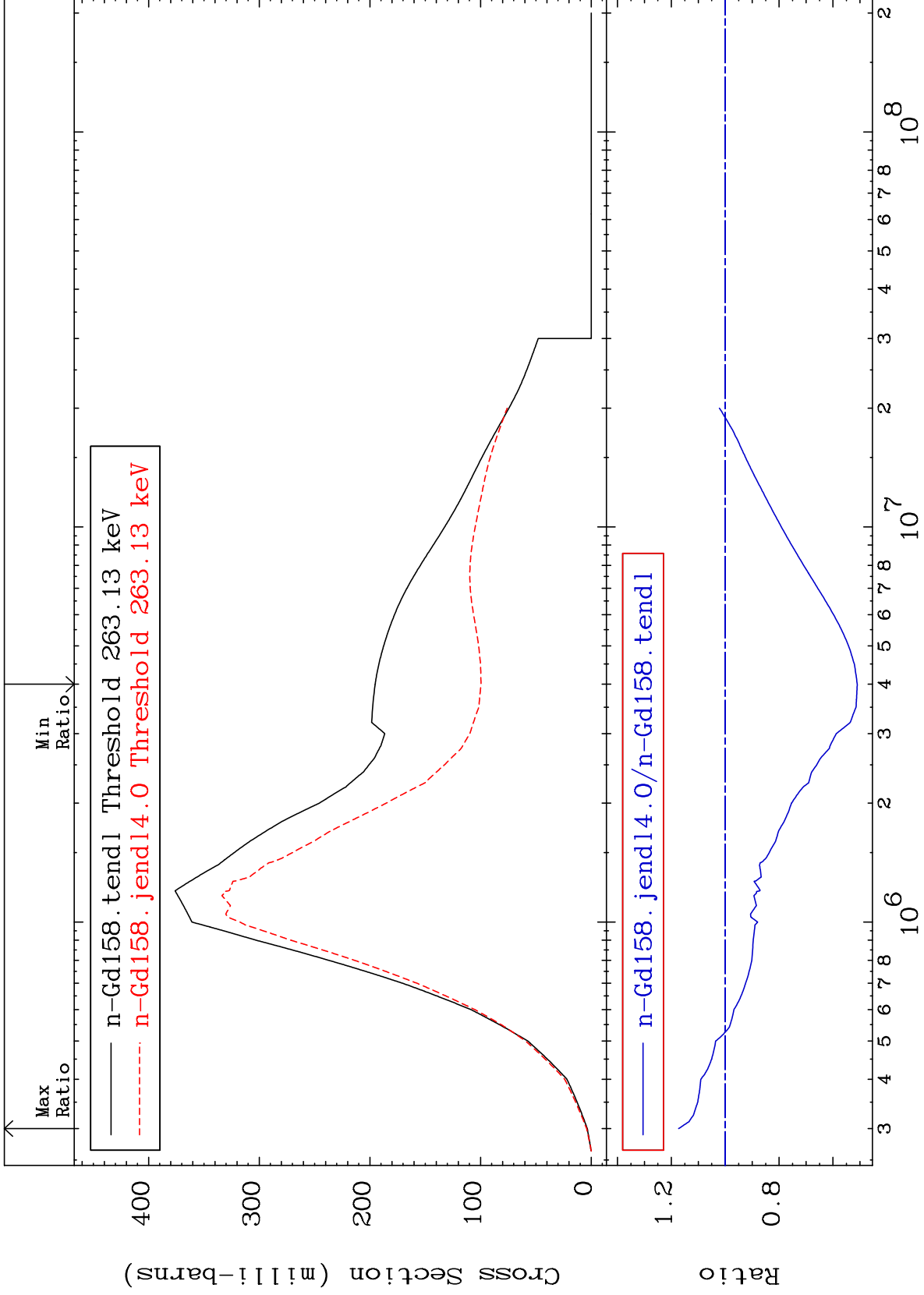


64-Gd-158

MAT 6443

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

64-Gd-158  
-49.00 To 17.29 %



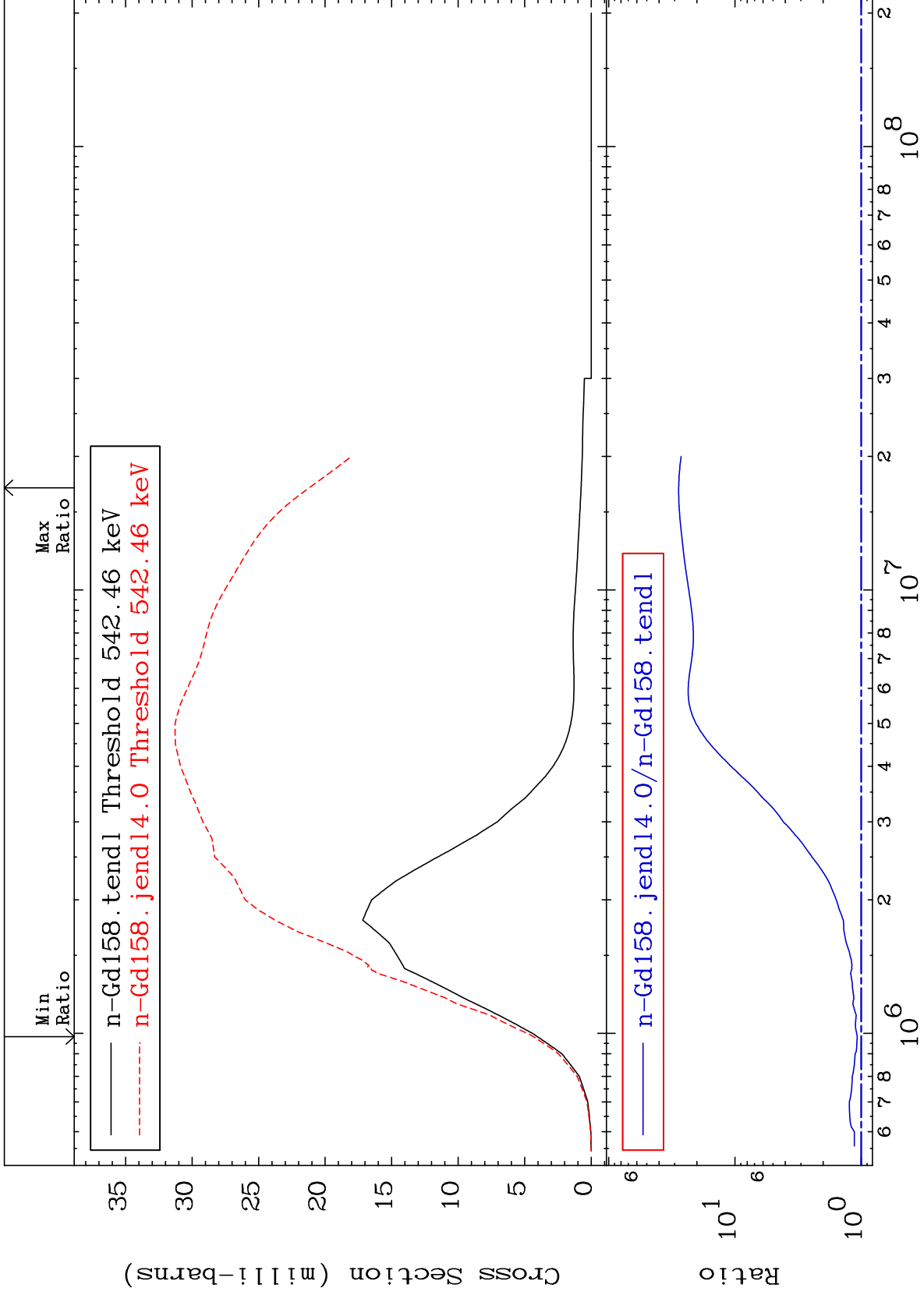
11

64-Gd-158

MAT 6443

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

64-Gd-158  
7.432 To 2693. %



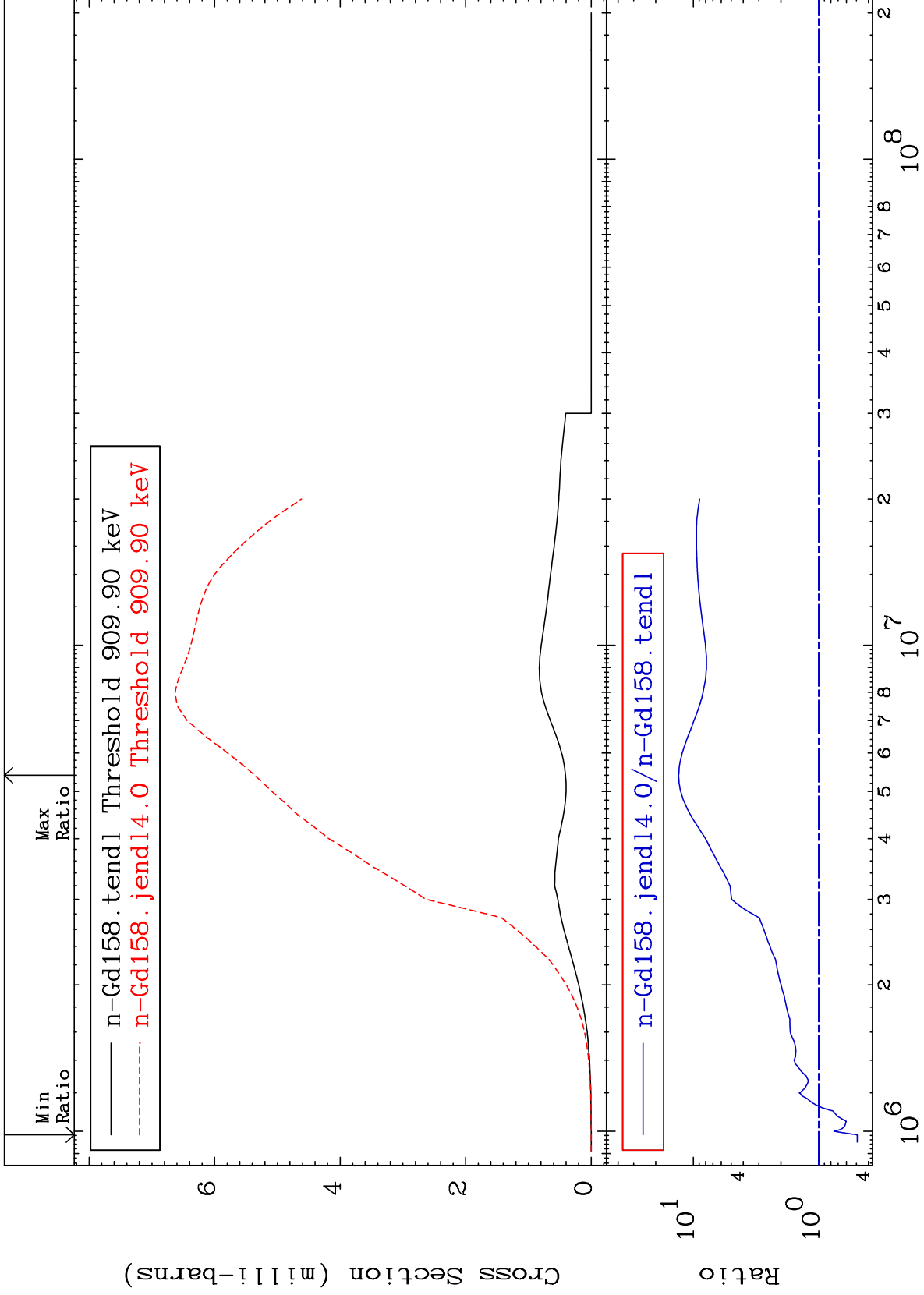
12

64-Gd-158

MAT 6443

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

64-Gd-158  
-50.78 To 1212. %



13

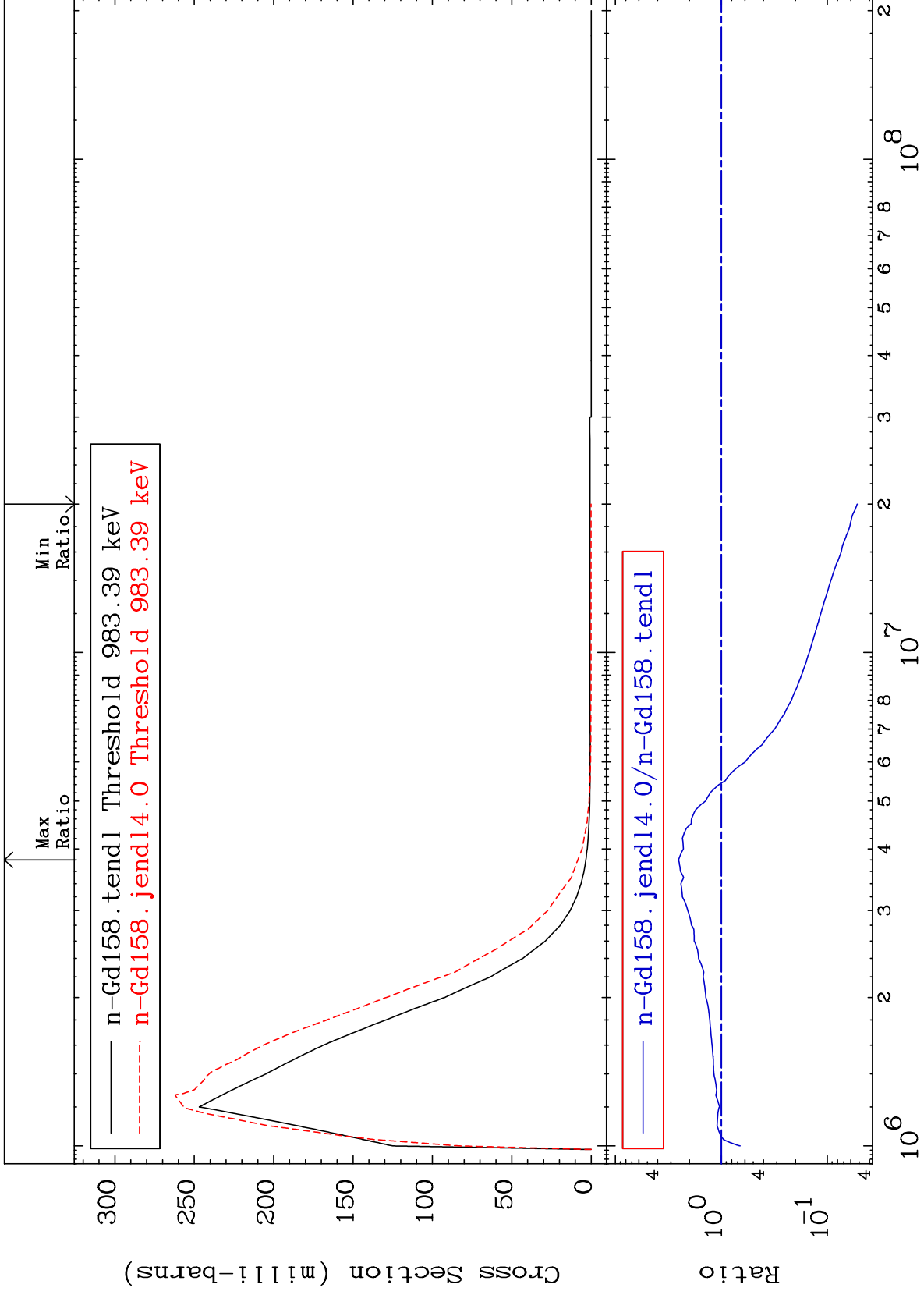
Incident Energy (eV)

64-Gd-158

MAT 6443

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

64-Gd-158  
-94.79 To 153.1 %



Incident Energy (eV)

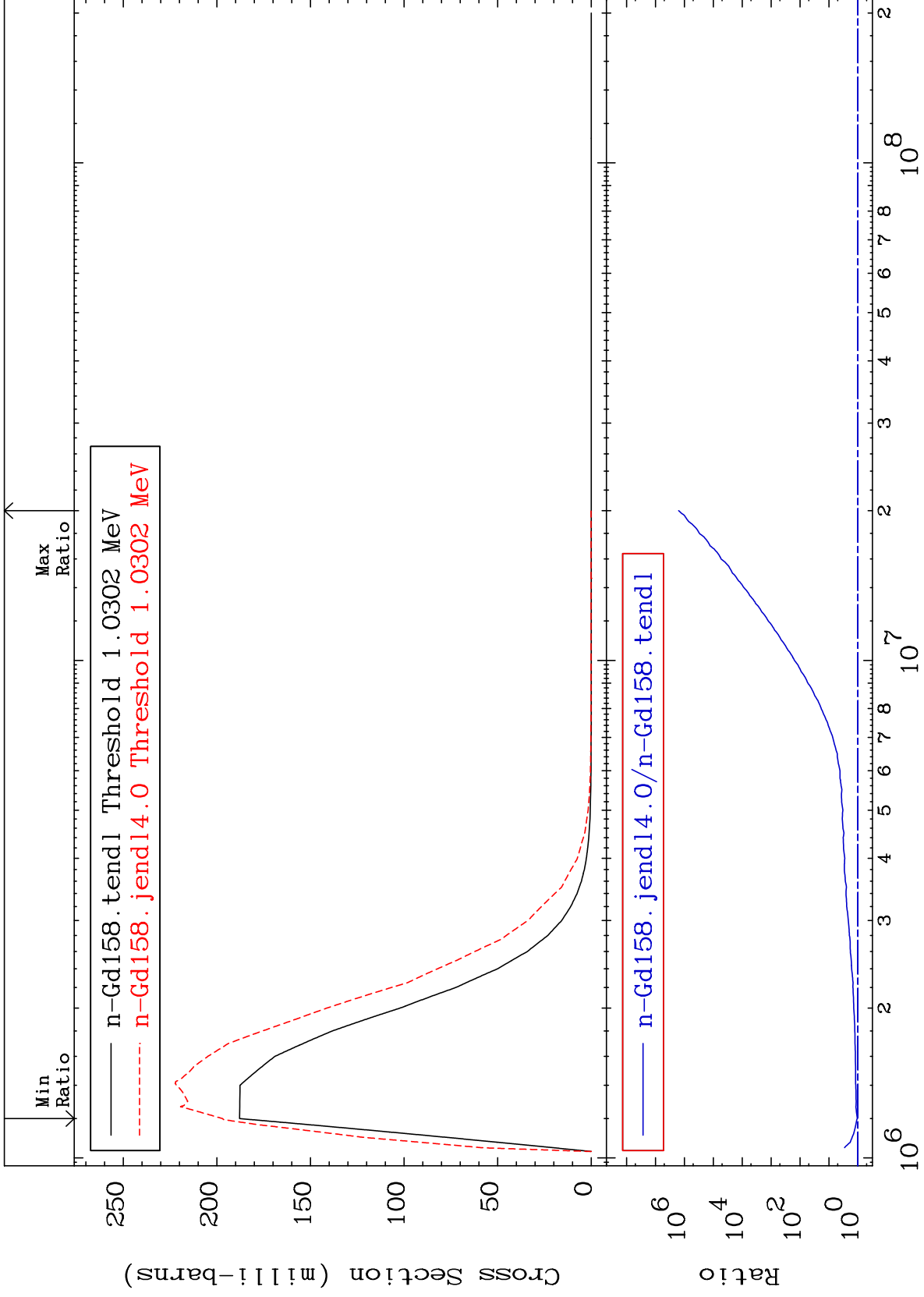
64-Gd-158

14

MAT 6443

MT= 56 (n,n') Level  
Cross Section

64-Gd-158  
4.842 To 9999. %



15

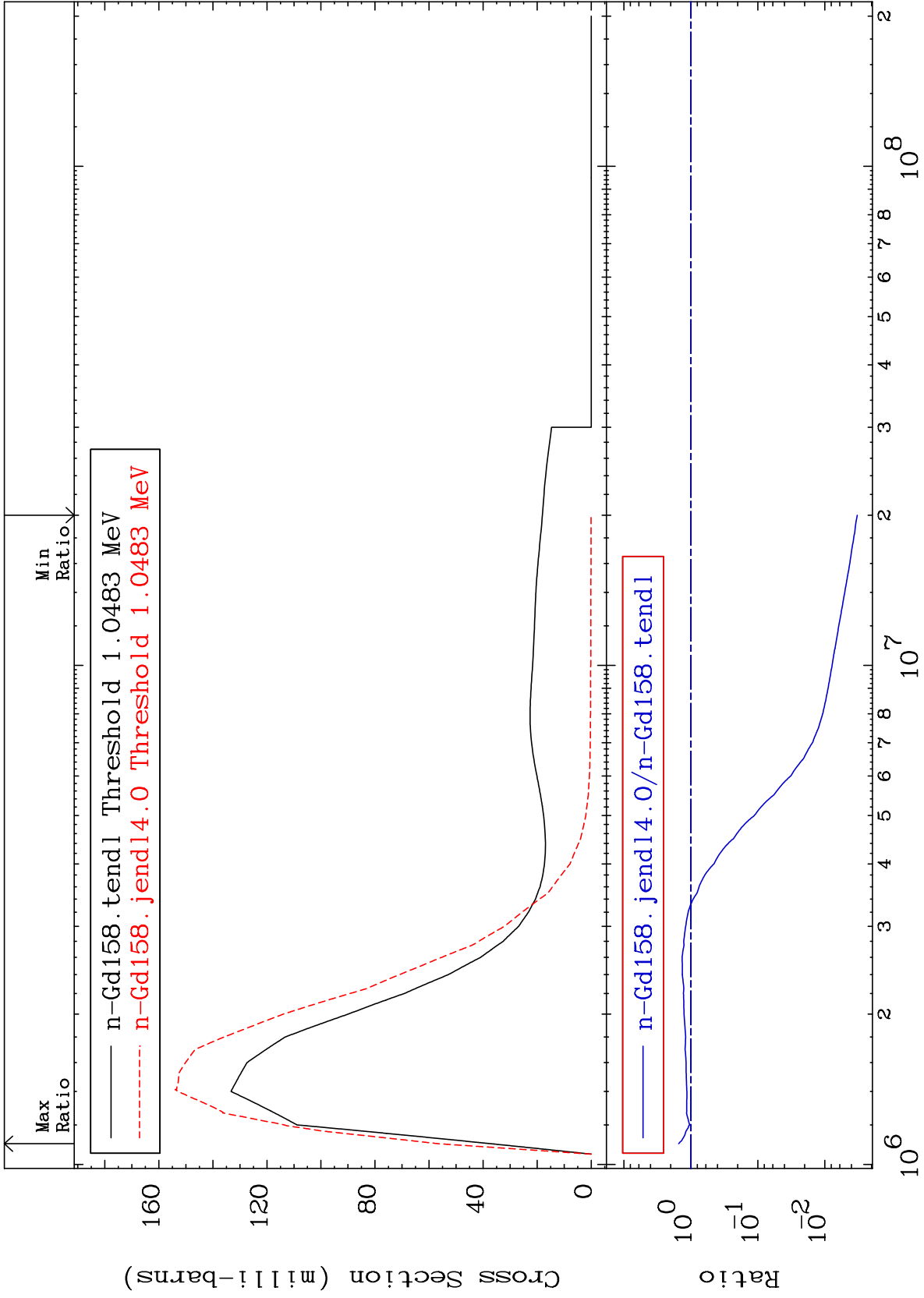
Incident Energy (eV)

64-Gd-158

MAT 6443

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

64-Gd-158  
-99.67 To 52.35 %



16

Incident Energy (eV)

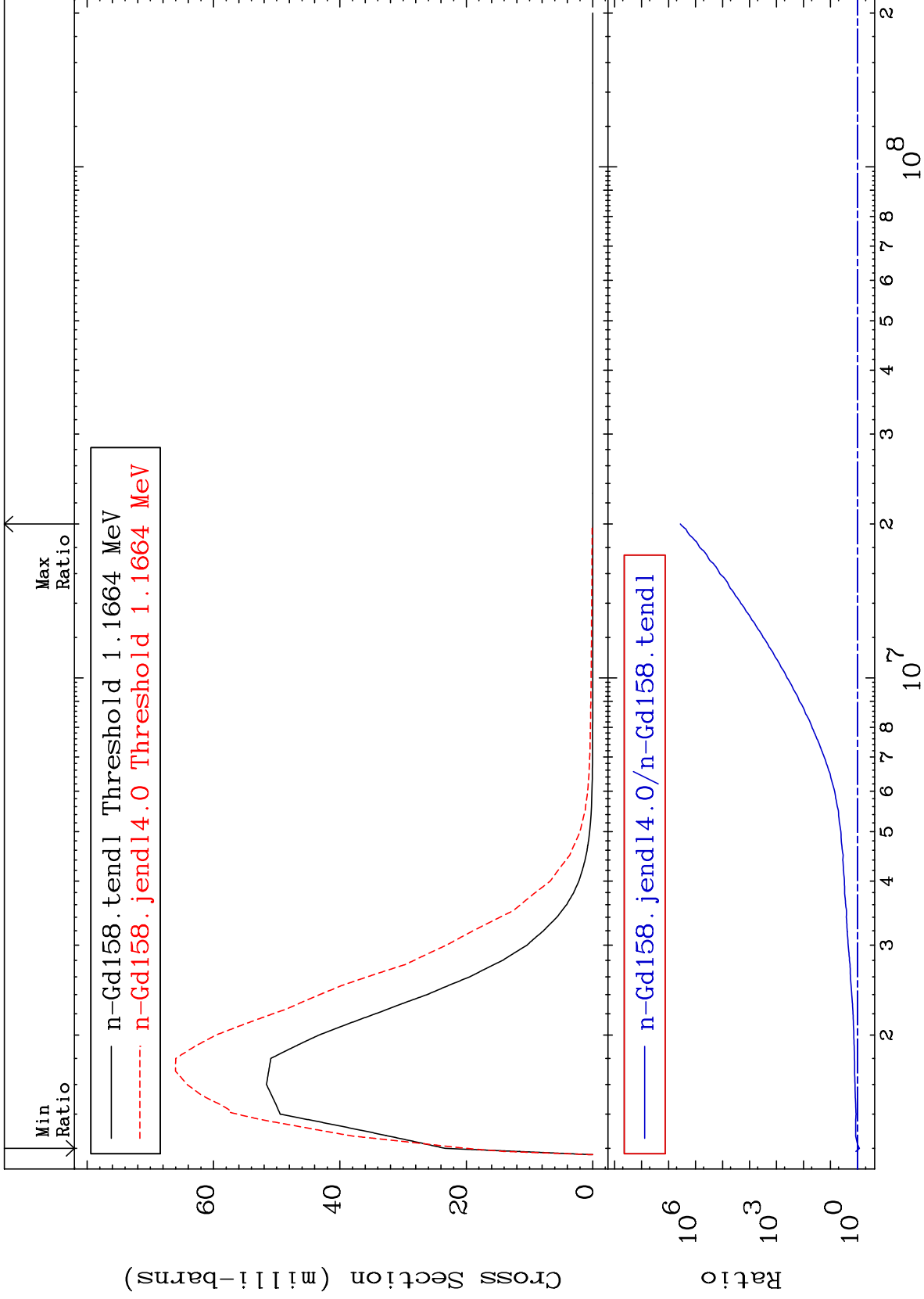
64-Gd-158



MAT 6443

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

64-Gd-158  
-14.84 To 9999. %



17

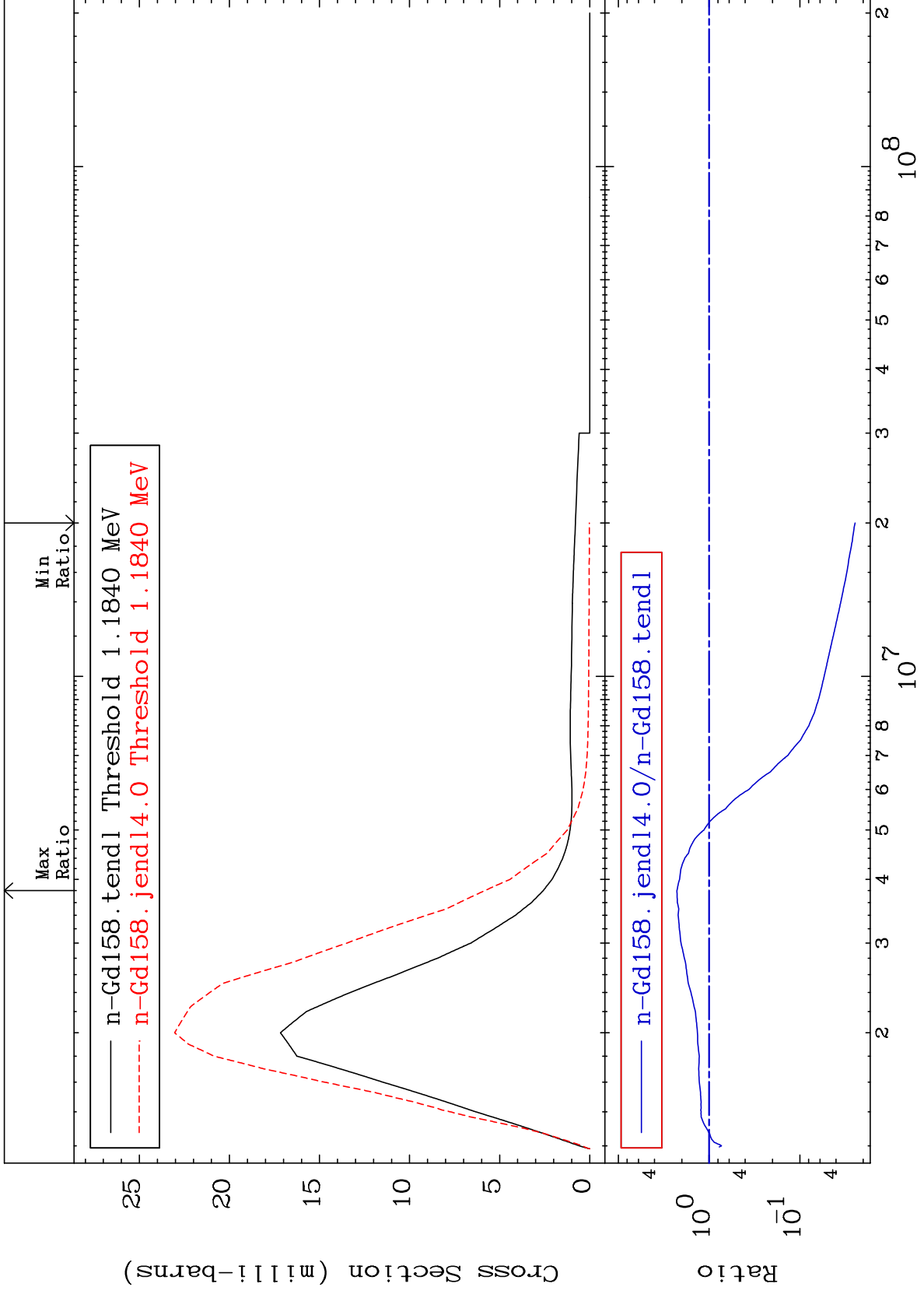
Incident Energy (eV)

64-Gd-158

MAT 6443

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

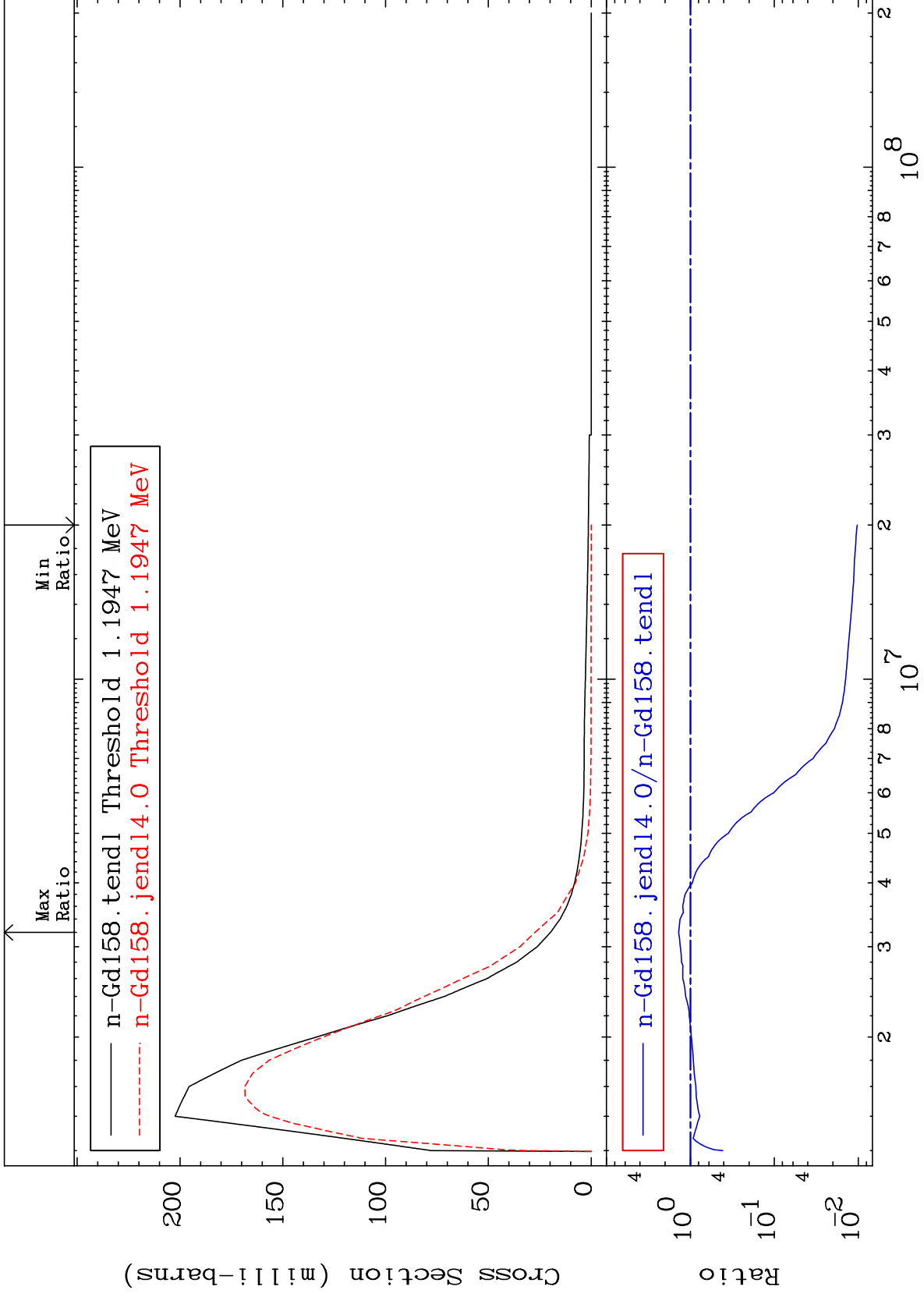
64-Gd-158  
-97.54 To 126.4 %



MAT 6443

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

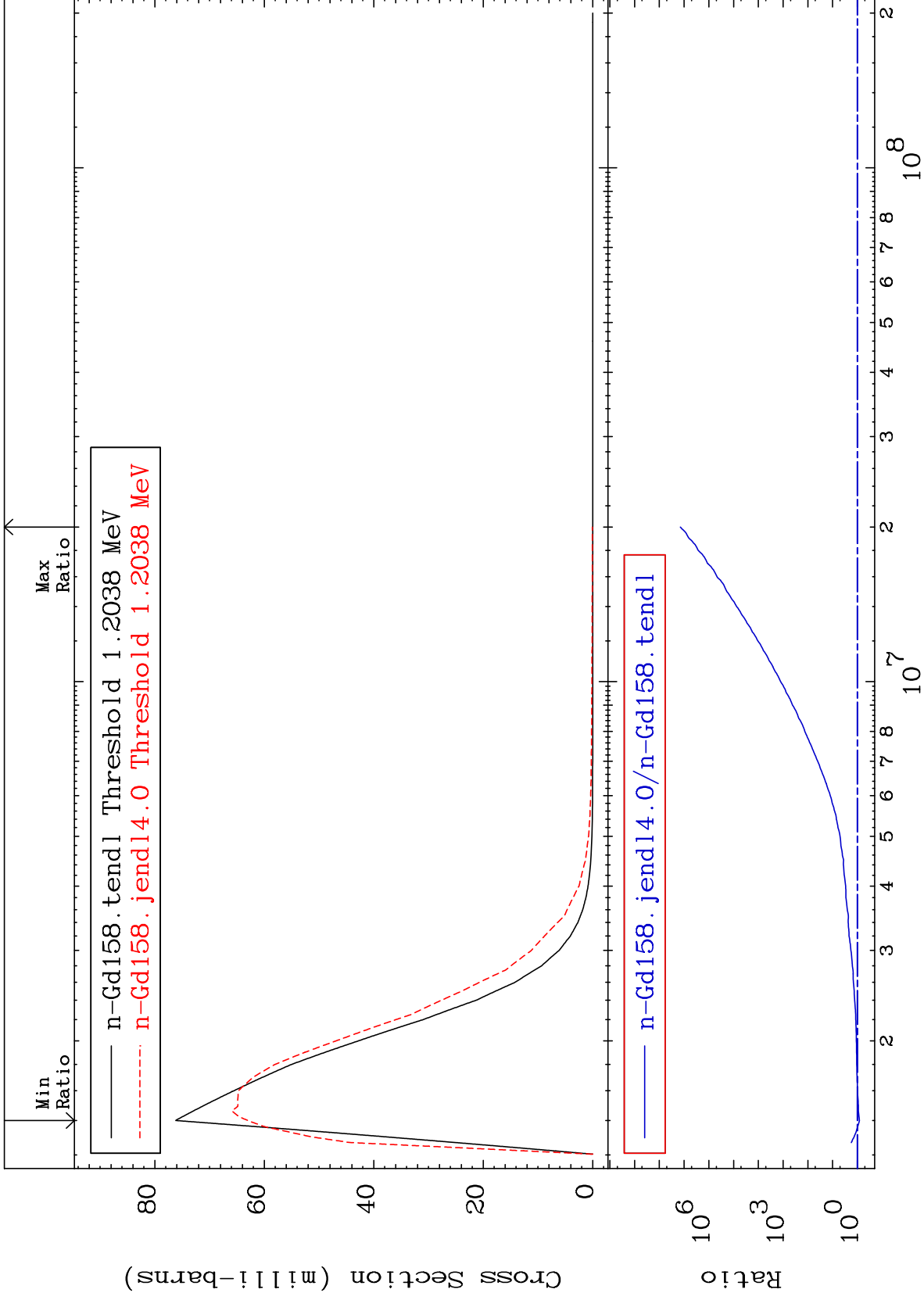
64-Gd-158  
-98.97 To 38.15 %



MAT 6443

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

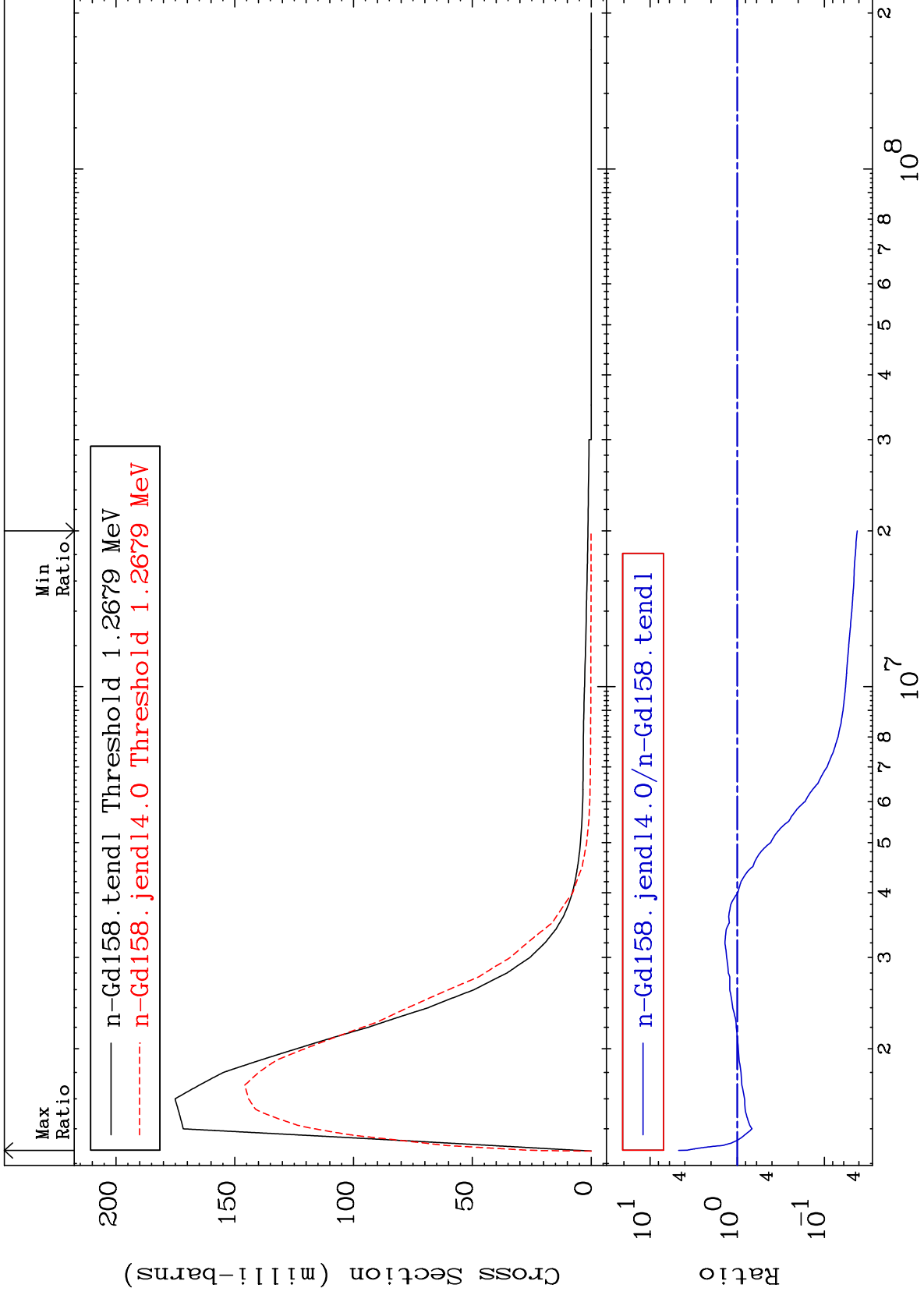
64-Gd-158  
-17.36 To 9999. %



MAT 6443

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

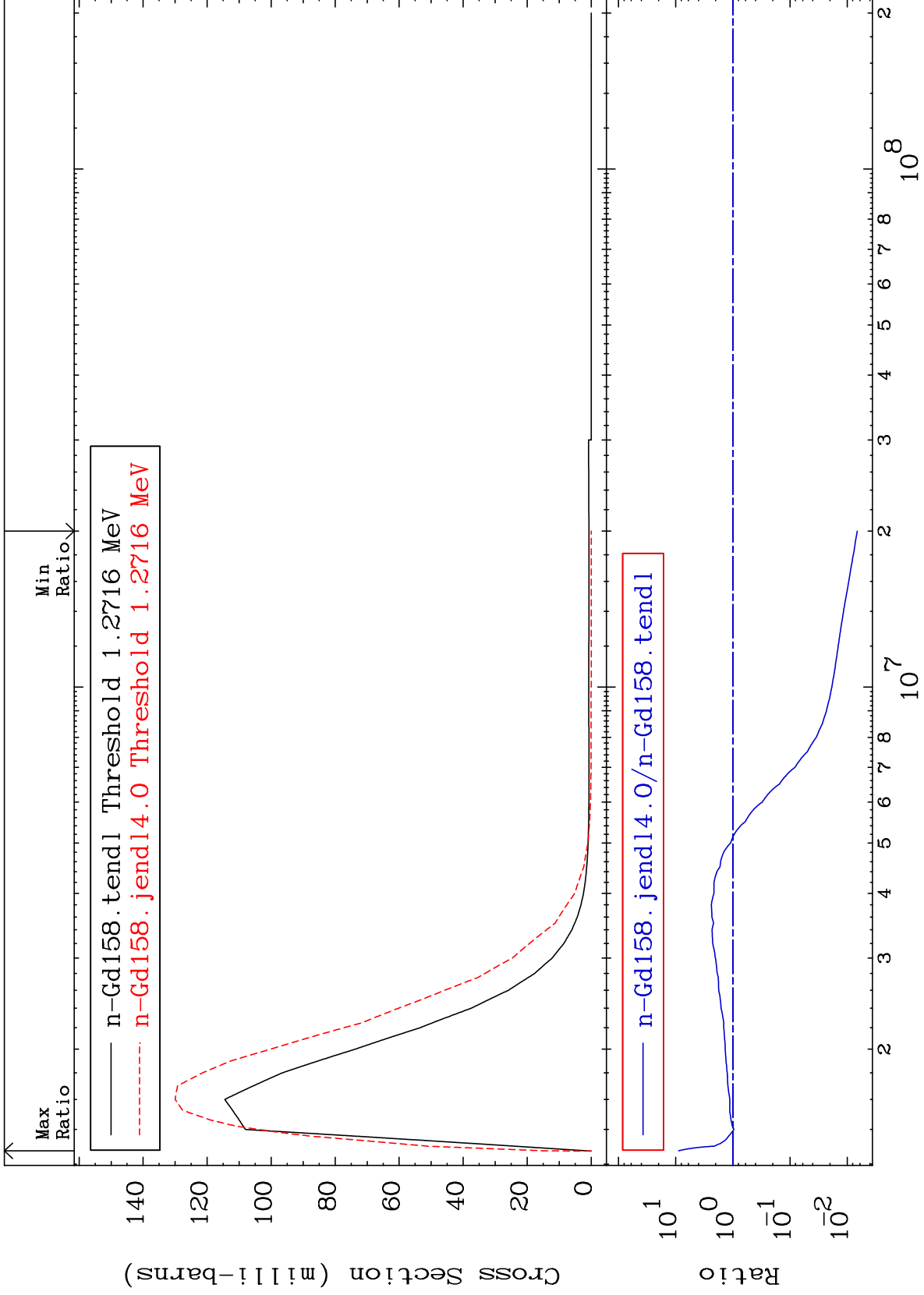
64-Gd-158  
-95.81 To 370.0 %



MAT 6443

MT= 63 (n, n') Level  
Cross Section

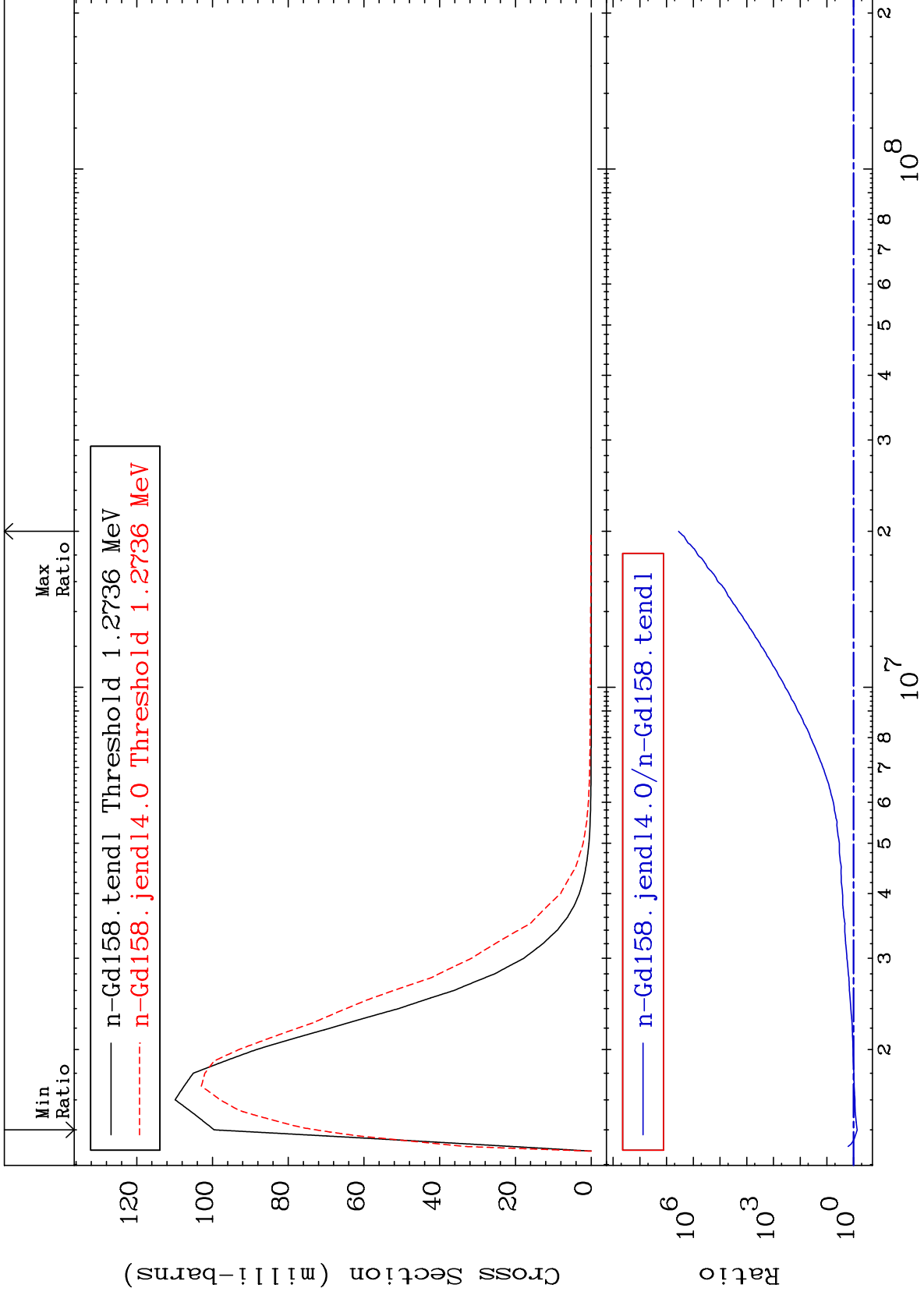
64-Gd-158  
-99.33 To 789.6 %

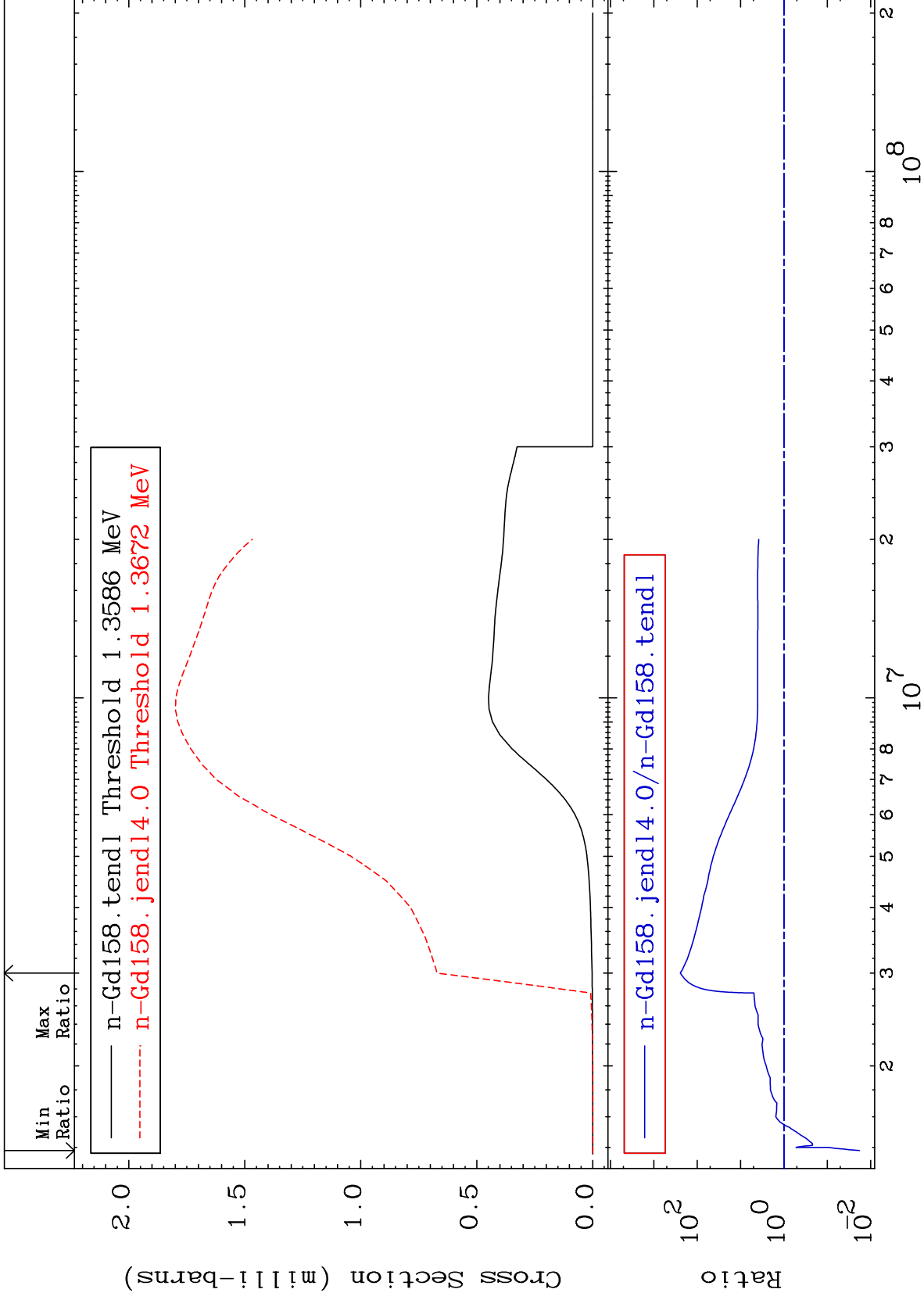


MAT 6443

MT= 64 (n,n') Level  
Cross Section

64-Gd-158  
-27.01 To 9999. %



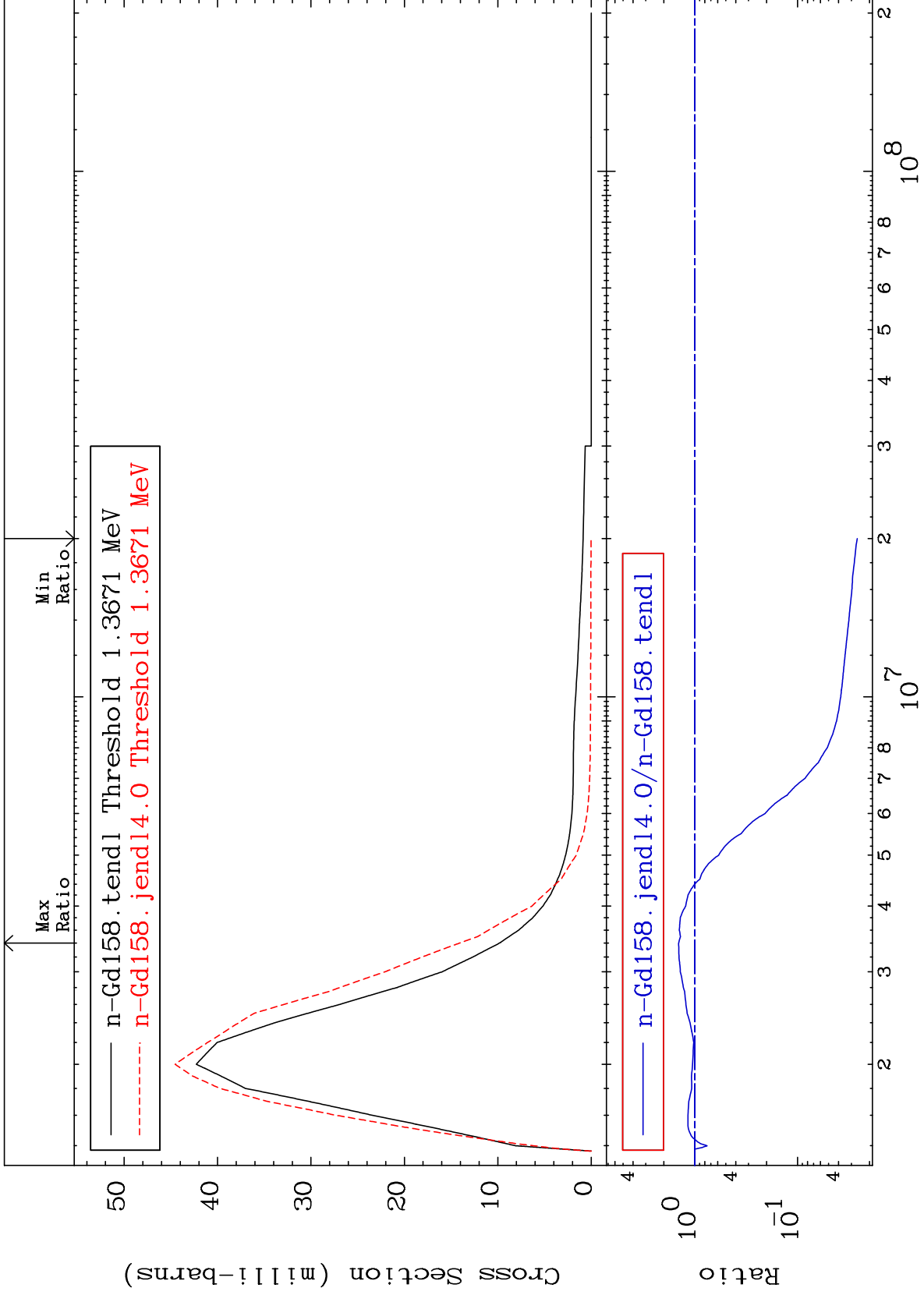




MAT 6443

MT= 66 (n,n') Level  
Cross Section

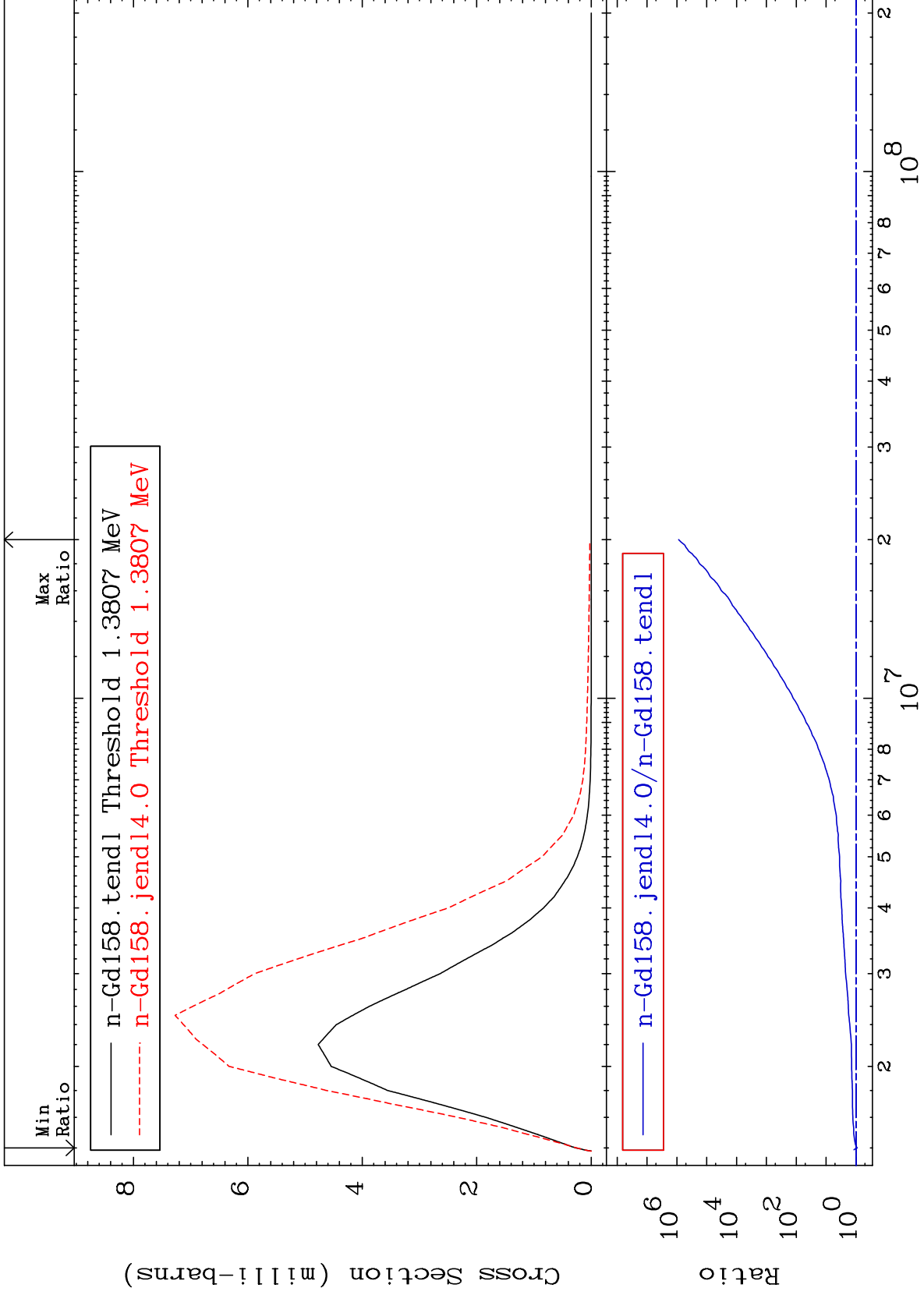
64-Gd-158  
-97.37 To 43.76 %



MAT 6443

MT= 67 (n, n') Level  
Cross Section

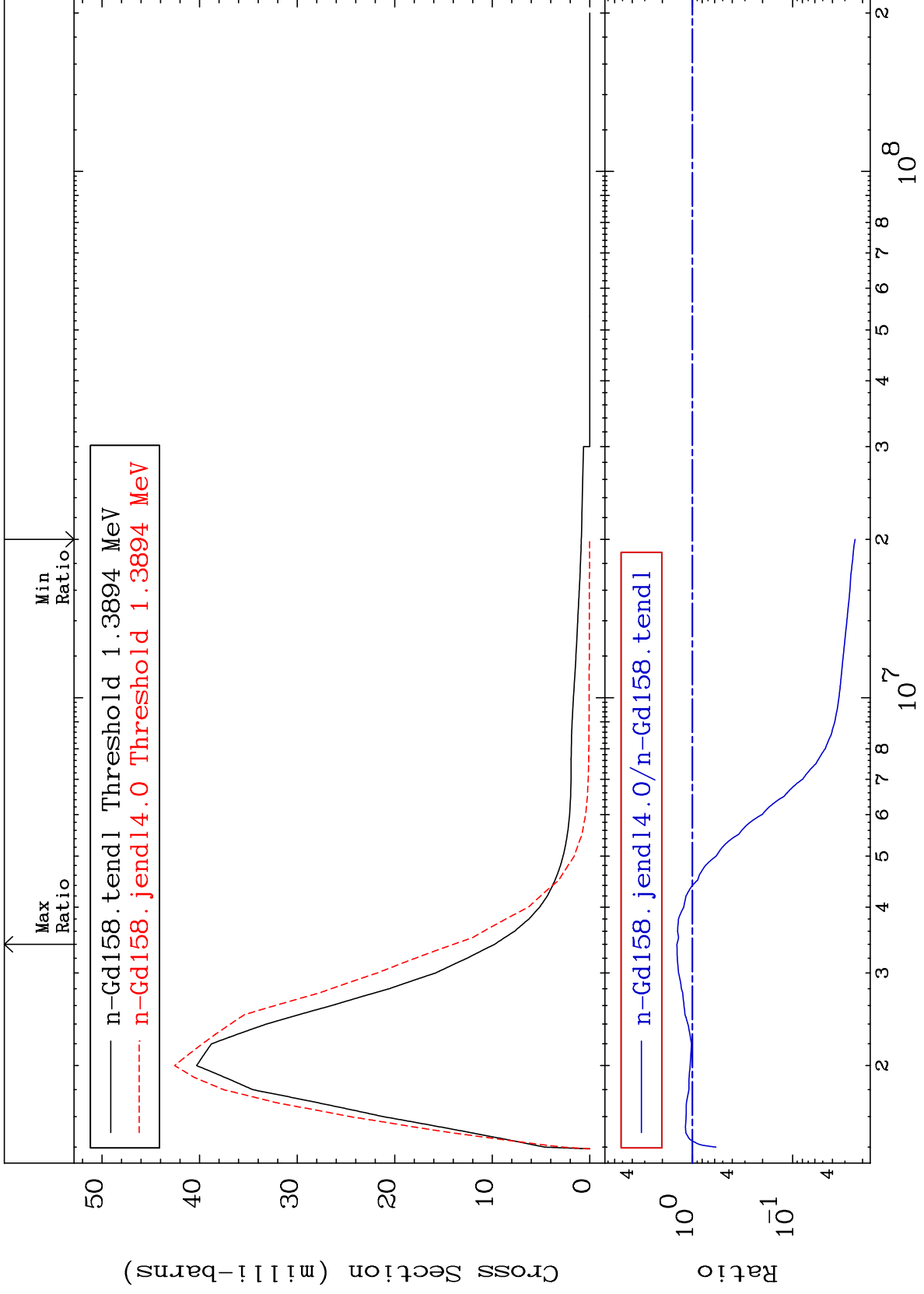
64-Gd-158  
-9.706 To 9999. %



MAT 6443

MT= 68 (n,n') Level  
Cross Section

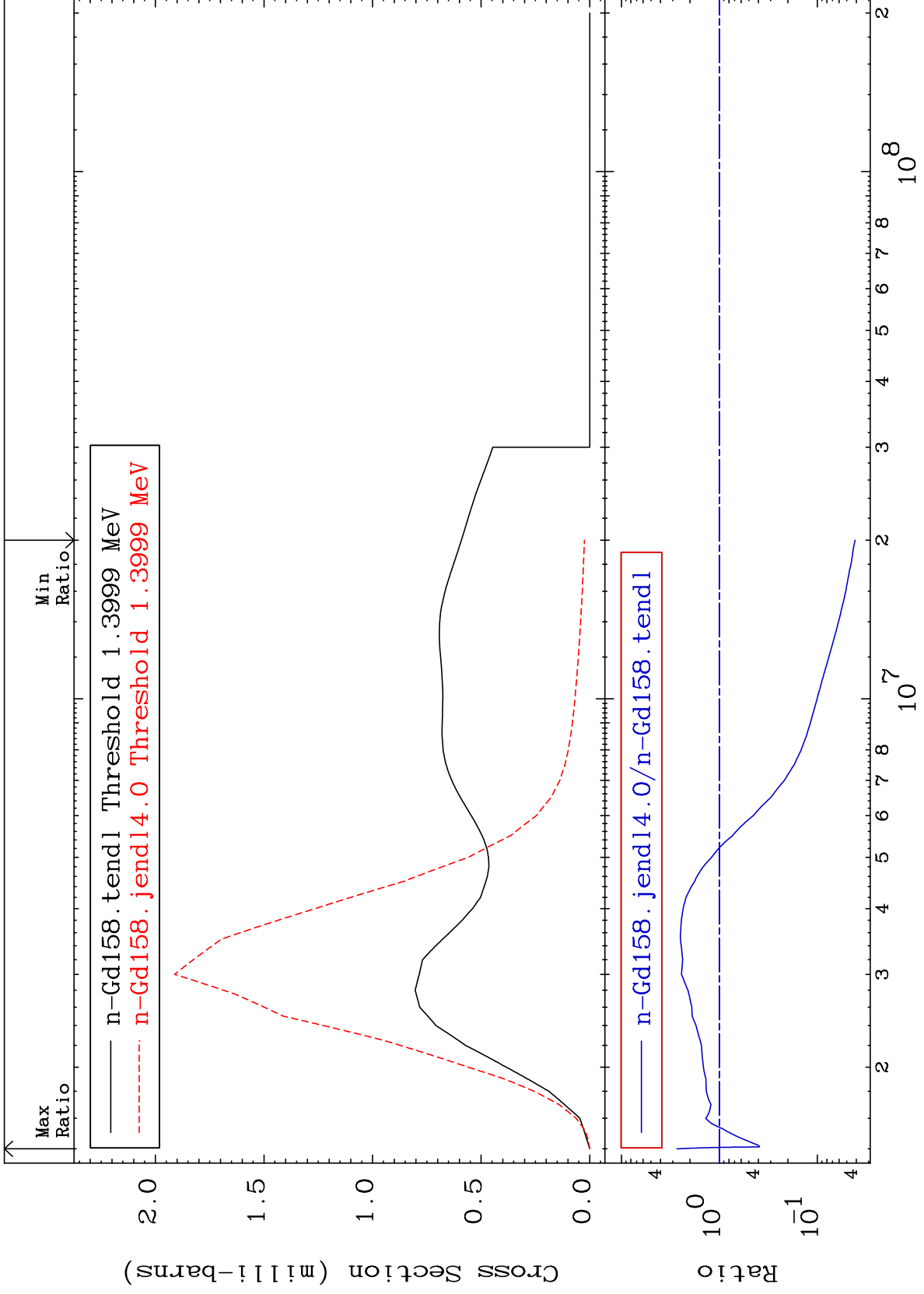
64-Gd-158  
-97.63 To 43.20 %



MAT 6443

MT= 69 (n,n') Level  
Cross Section

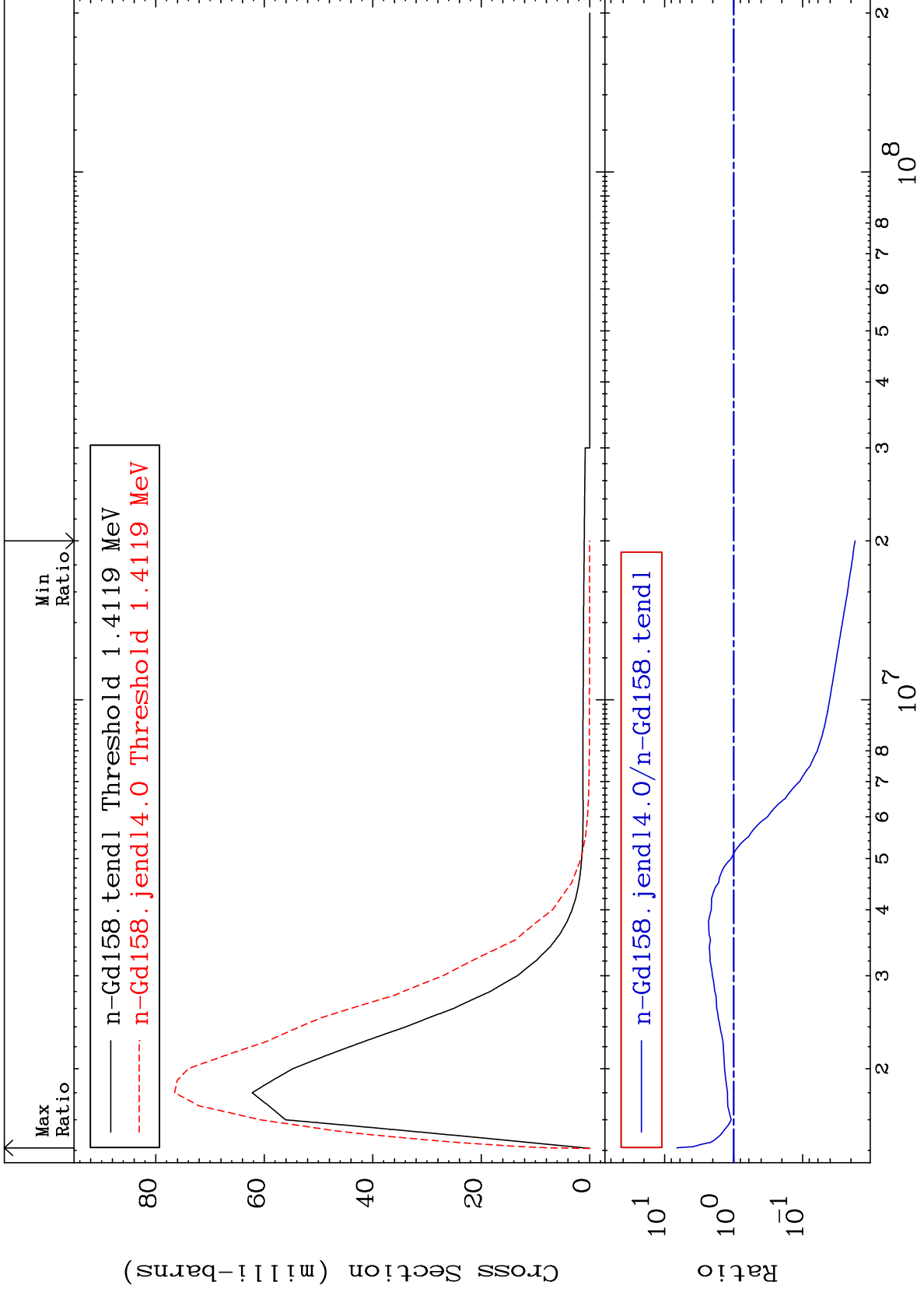
64-Gd-158  
-95.88 To 171.2 %



MAT 6443

MT= 70 (n,n') Level  
Cross Section

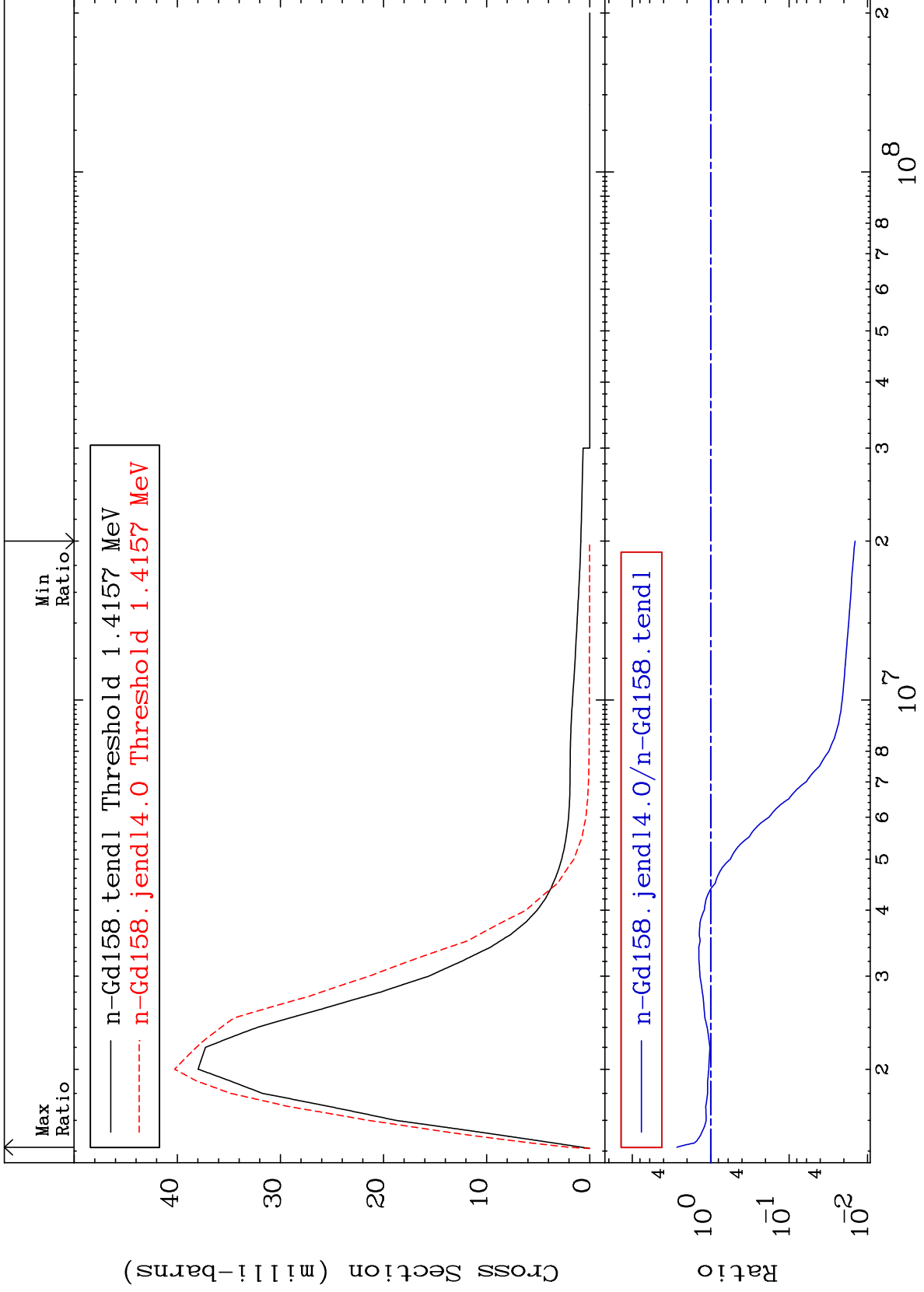
64-Gd-158  
-98.26 To 563.0 %



MAT 6443

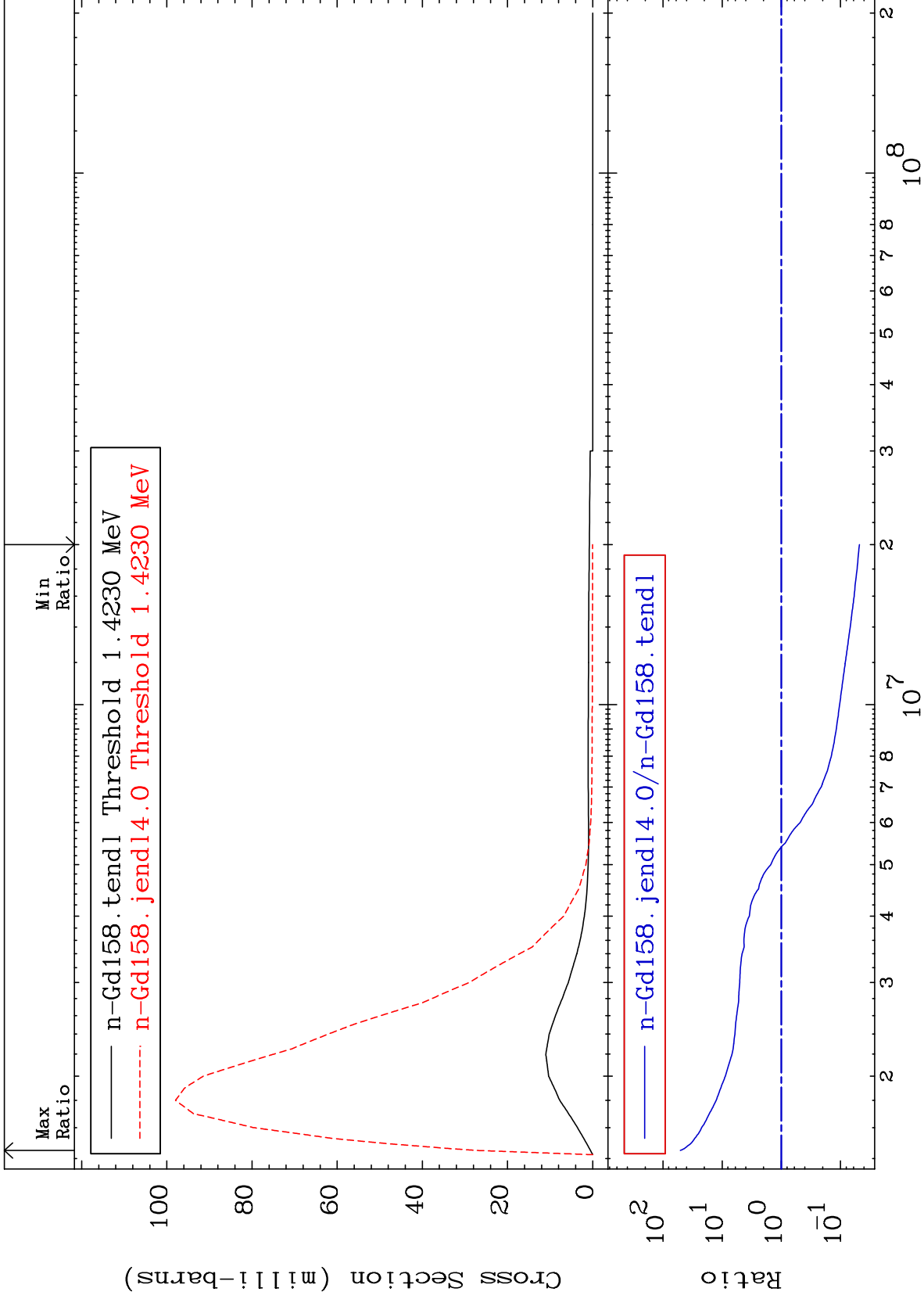
MT= 71 (n,n') Level  
Cross Section

64-Gd-158  
-98.56 To 169.9 %



30

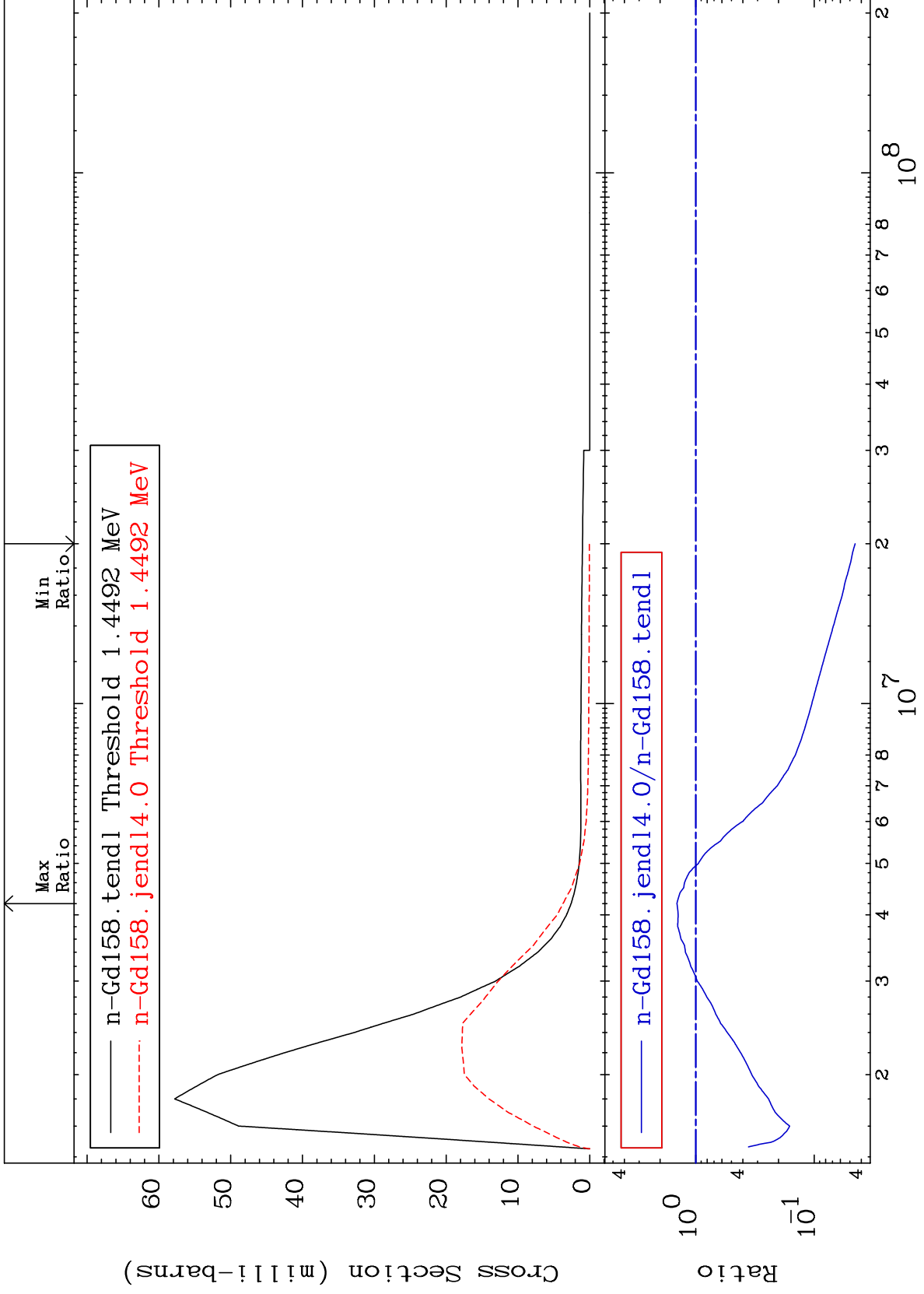
64-Gd-158



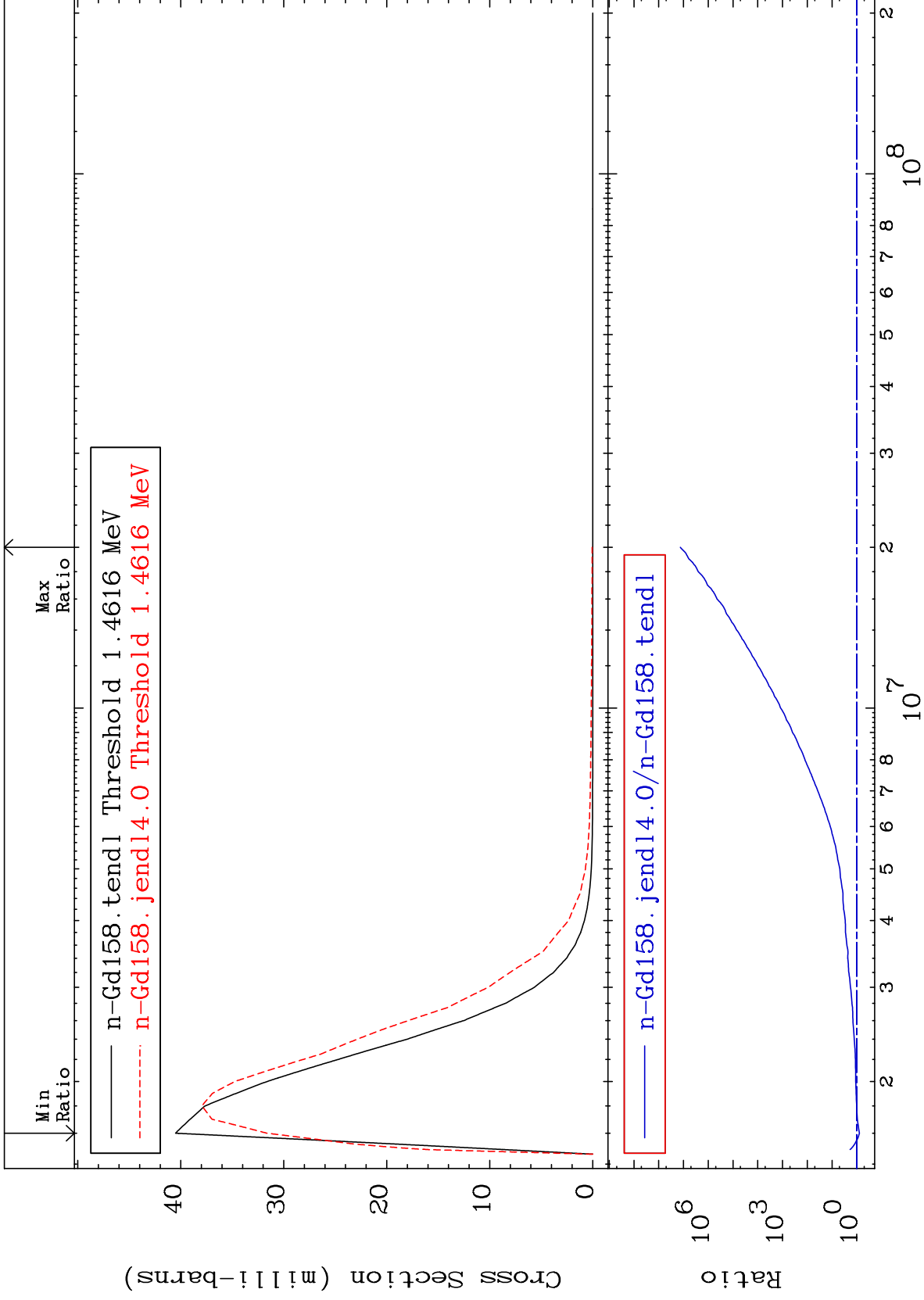
MAT 6443

MT= 73 (n,n') Level  
Cross Section

64-Gd-158  
-95.49 To 44.11 %



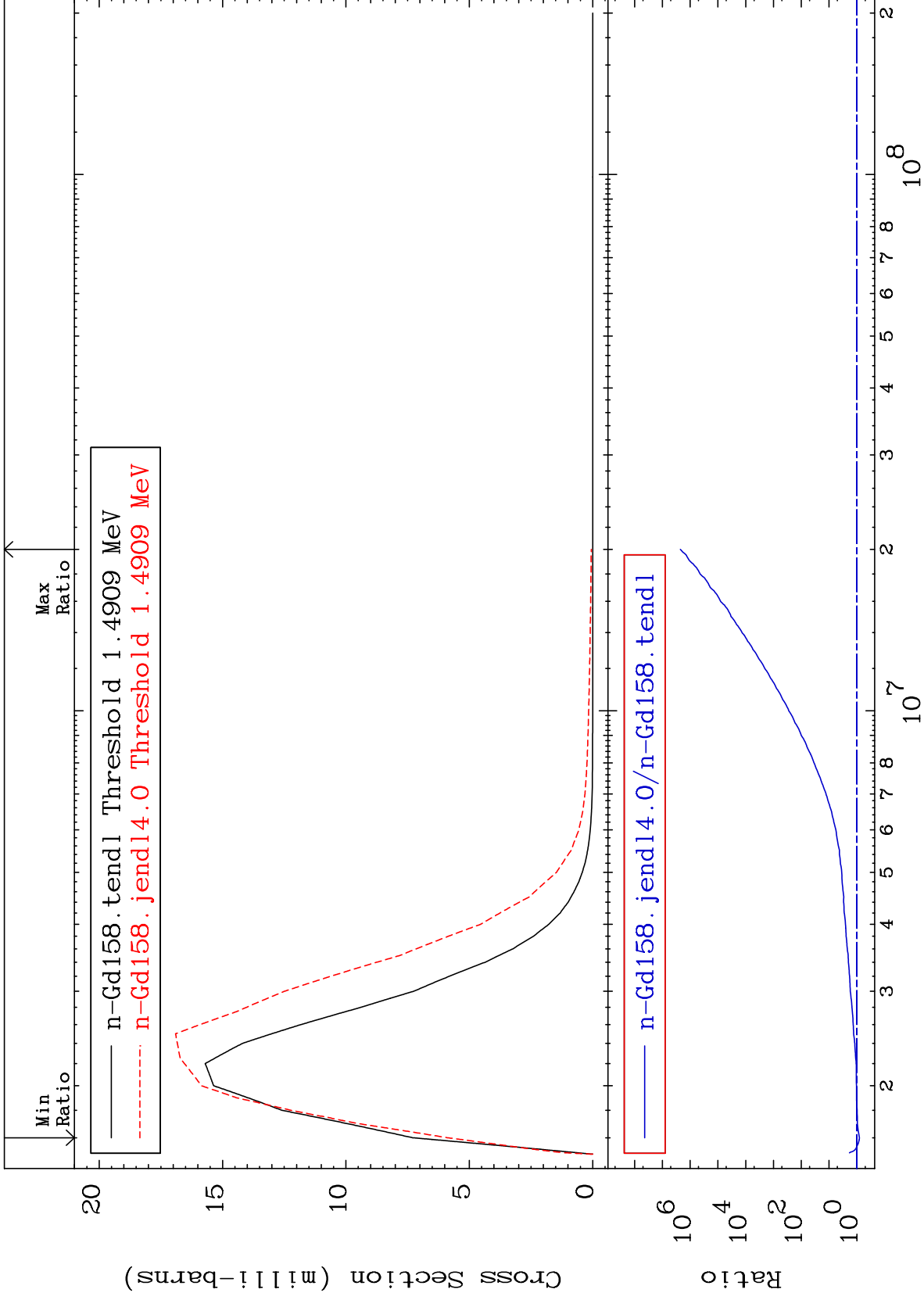




MAT 6443

MT= 75 (n,n') Level  
Cross Section

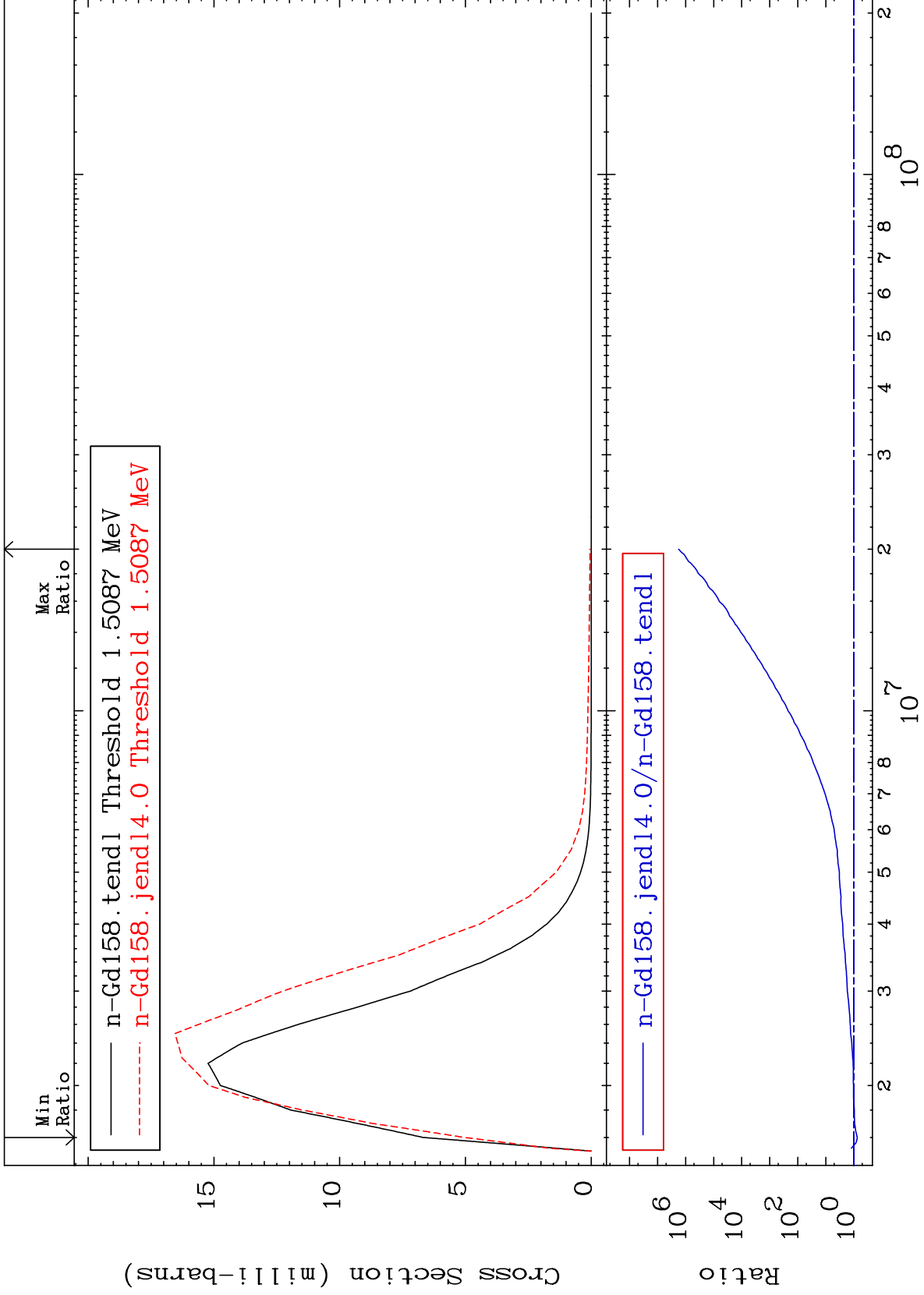
64-Gd-158  
-19.45 To 9999. %



MAT 6443

MT= 76 (n,n') Level  
Cross Section

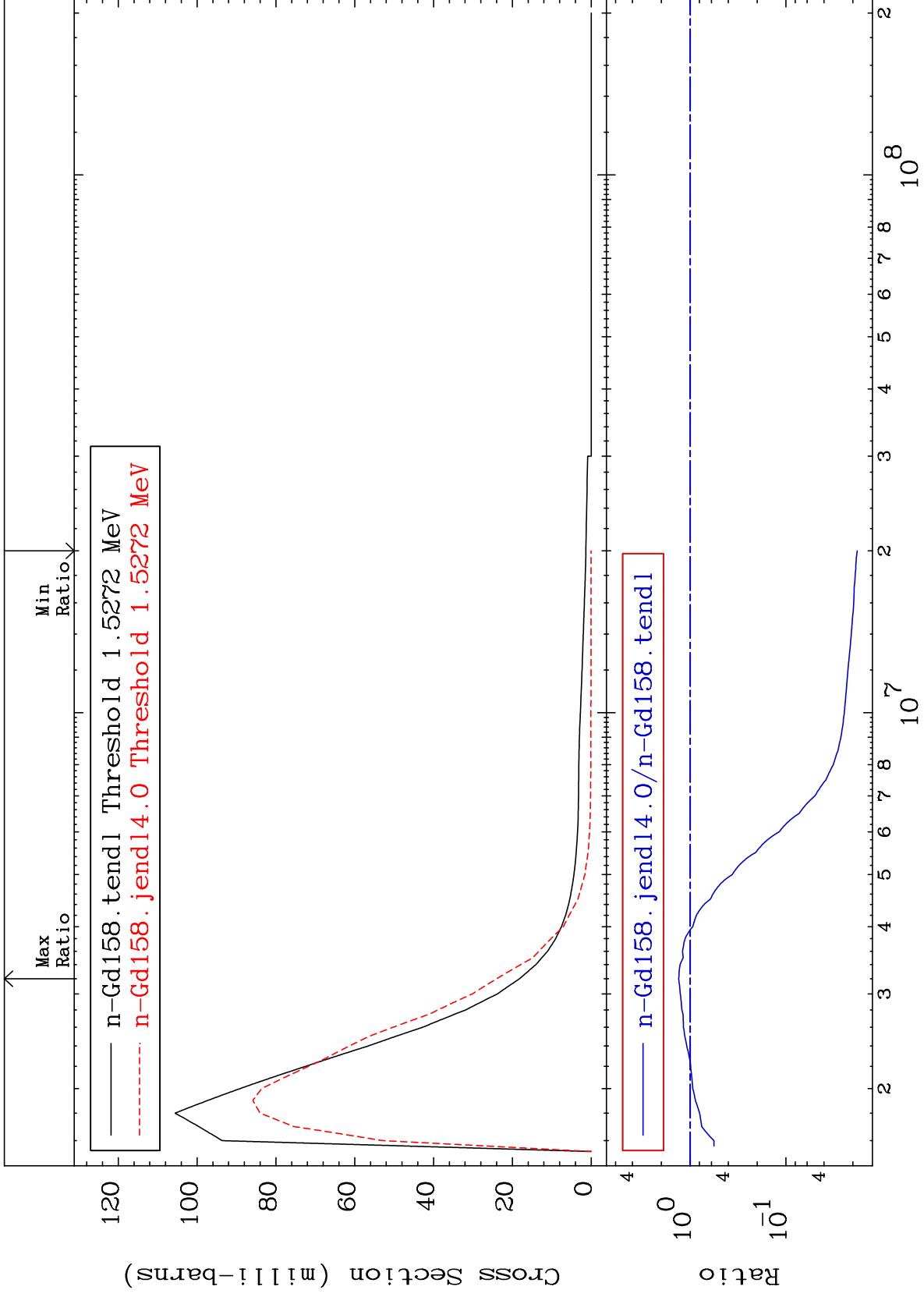
64-Gd-158  
-24.61 To 9999. %

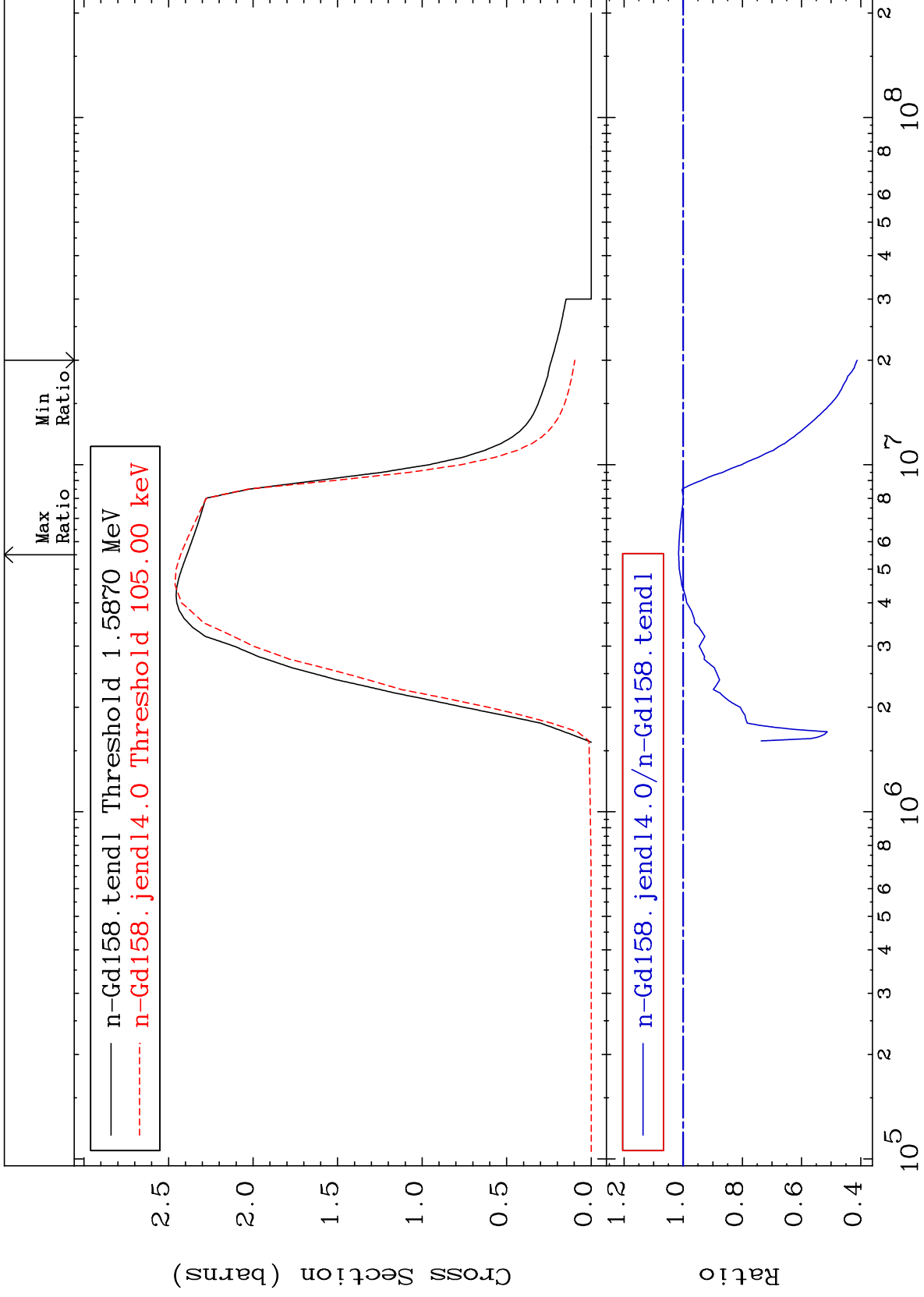


MAT 6443

MT= 77 (n, n') Level  
Cross Section

64-Gd-158  
-98.20 To 31.97 %





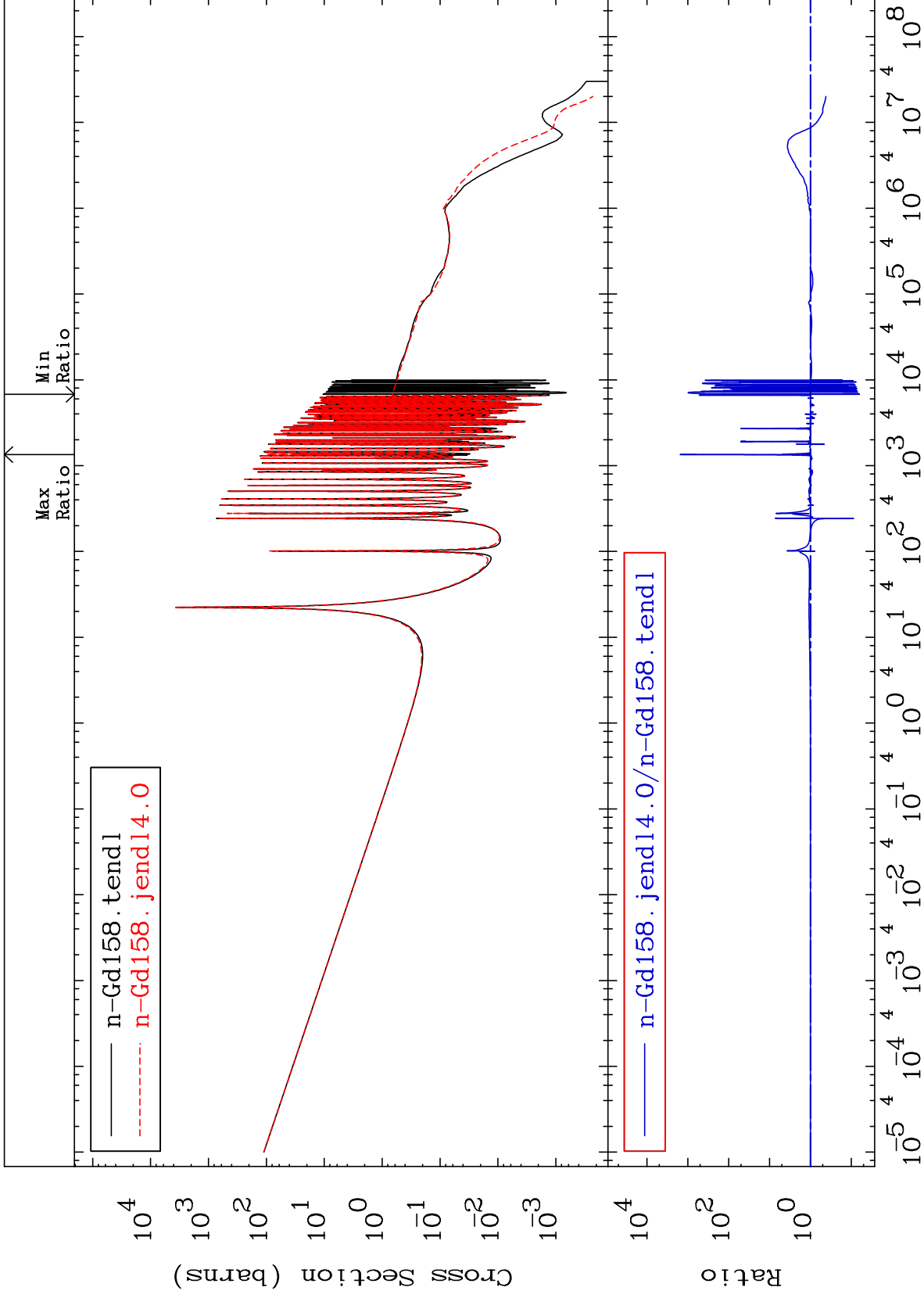
MAT 6443

(n,  $\gamma$ )

64-Gd-158

Cross Section

-93.65 To 9999. %



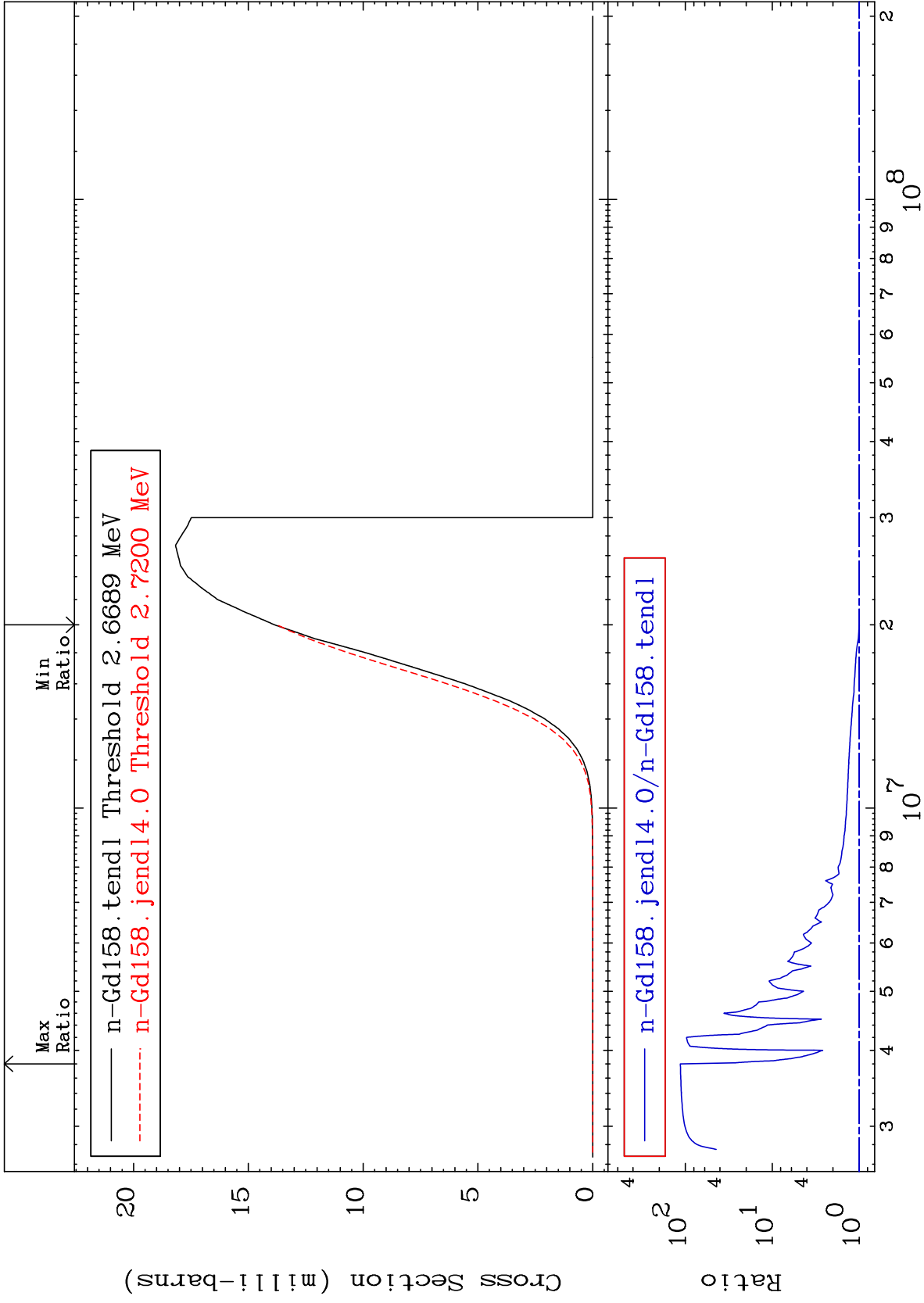
MAT 6443

(n,p)

64-Gd-158

Cross Section

-0.773 To 9999. %



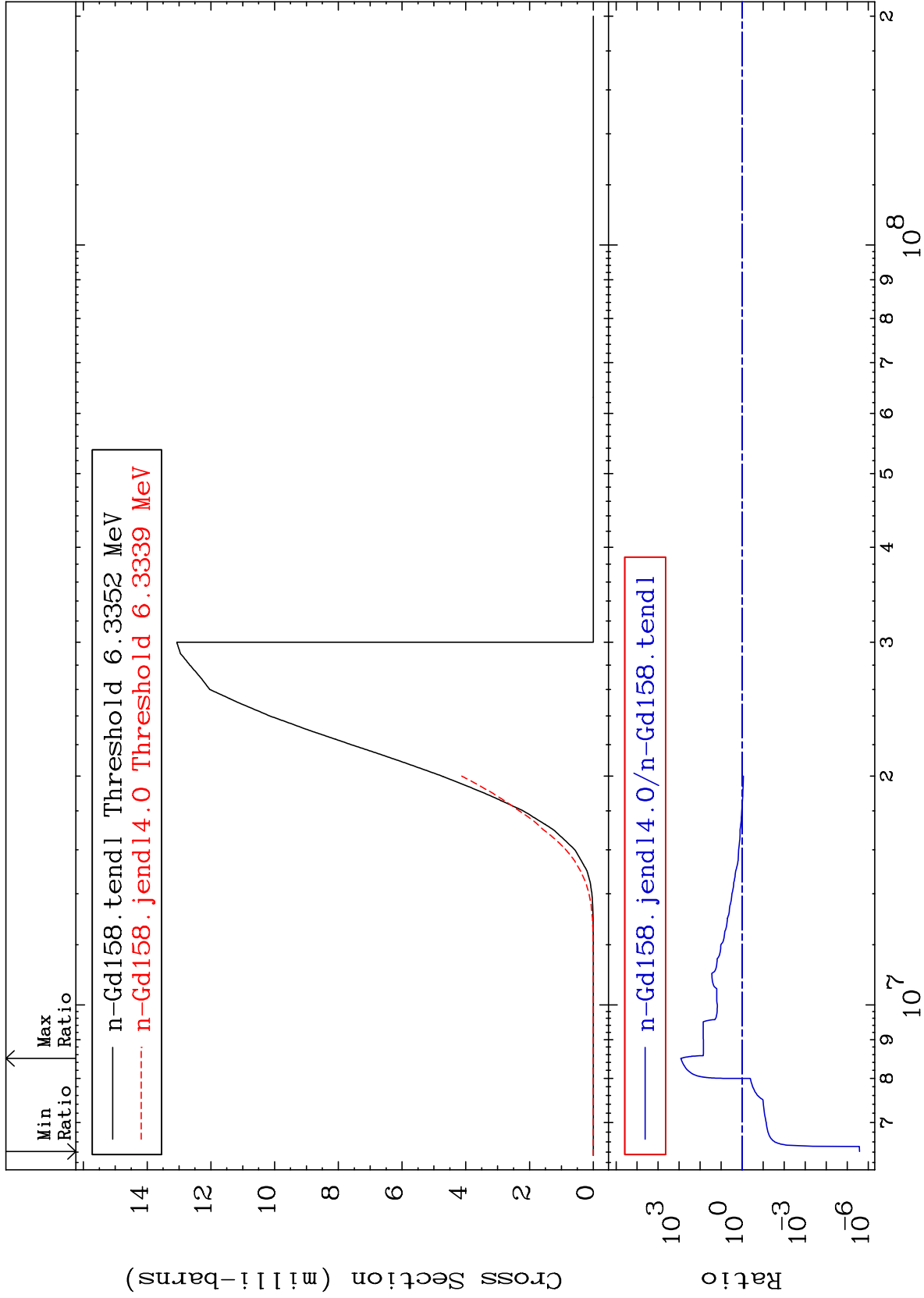
MAT 6443

(n, d)

64-Gd-158

Cross Section

-100.0 To 9999. %



40

Incident Energy (eV)

64-Gd-158



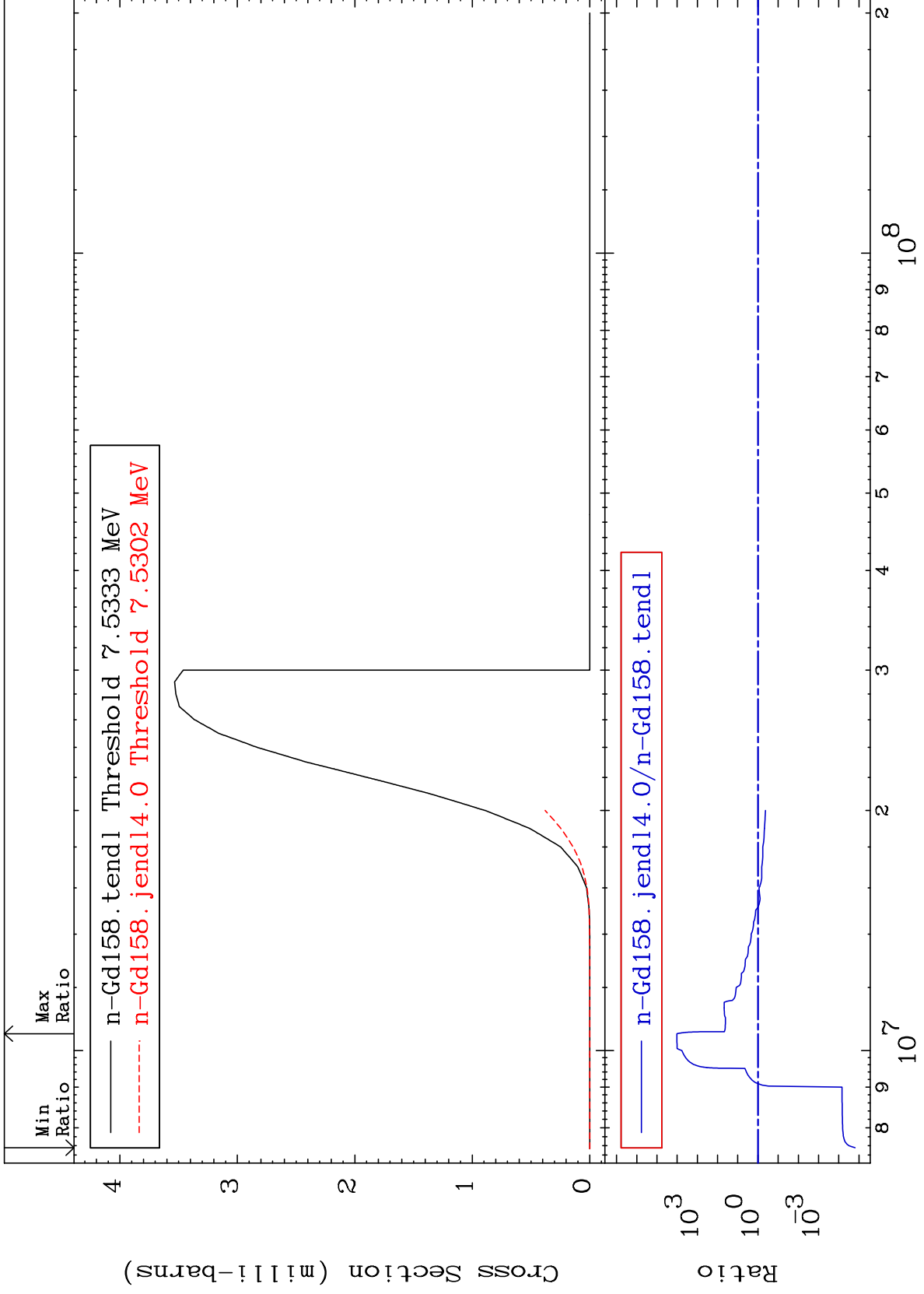
MAT 6443

(n, t)

64-Gd-158

Cross Section

-100.0 To 9999. %



41

Incident Energy (eV)

64-Gd-158

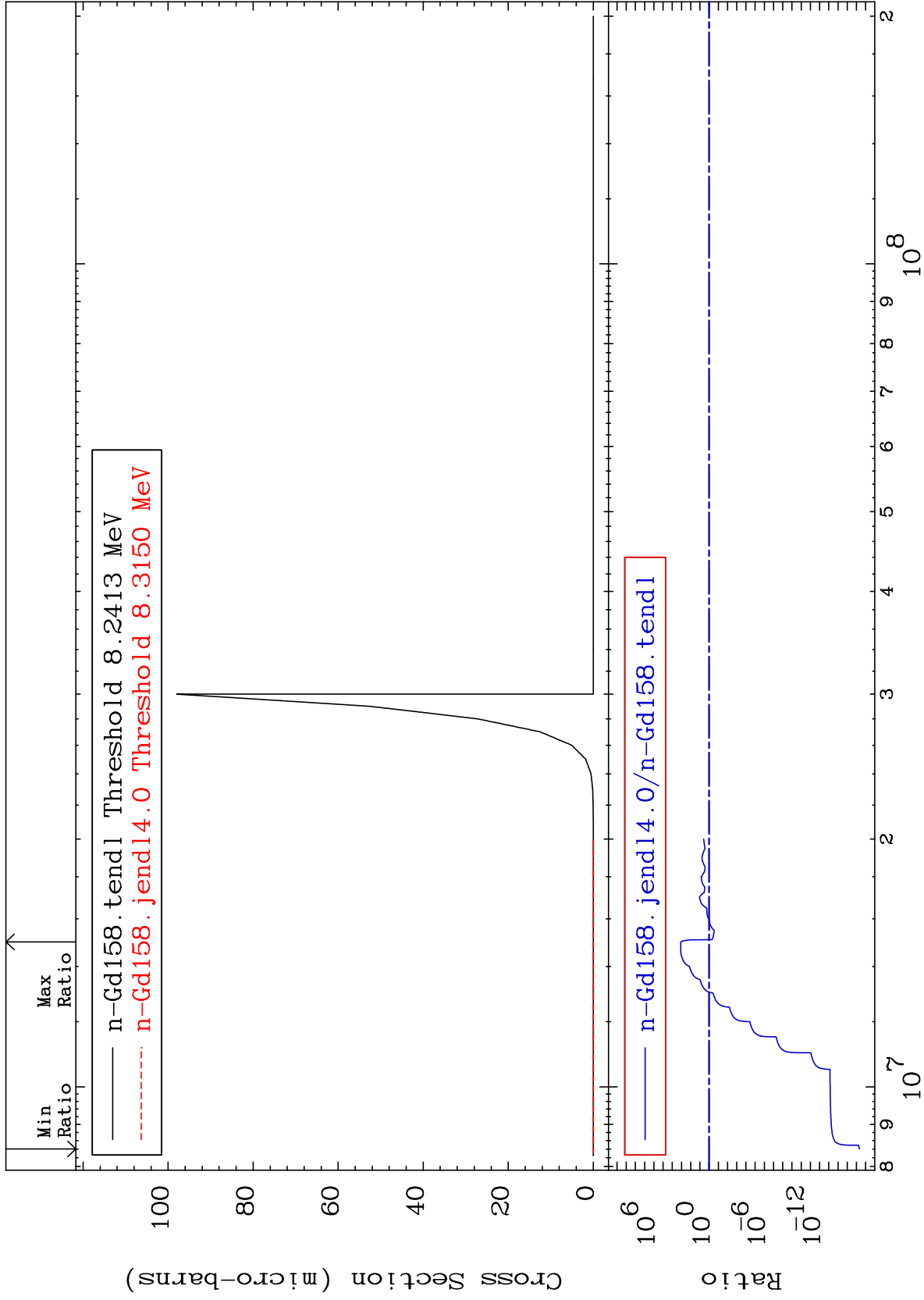
MAT 6443

(n, He-3)

64-Gd-158

Cross Section

-100.0 To 9999. %



42

Incident Energy (eV)

64-Gd-158

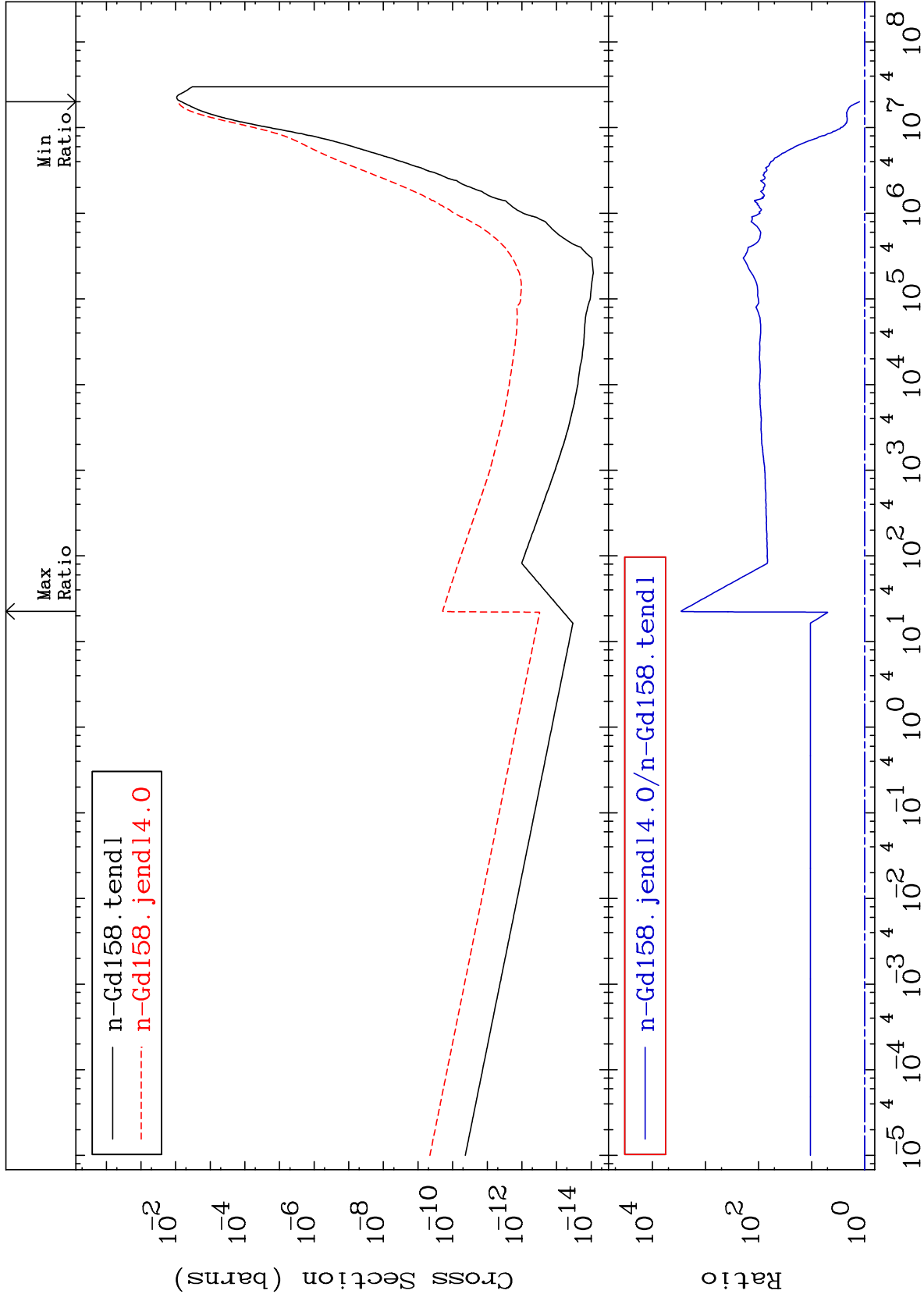
MAT 6443

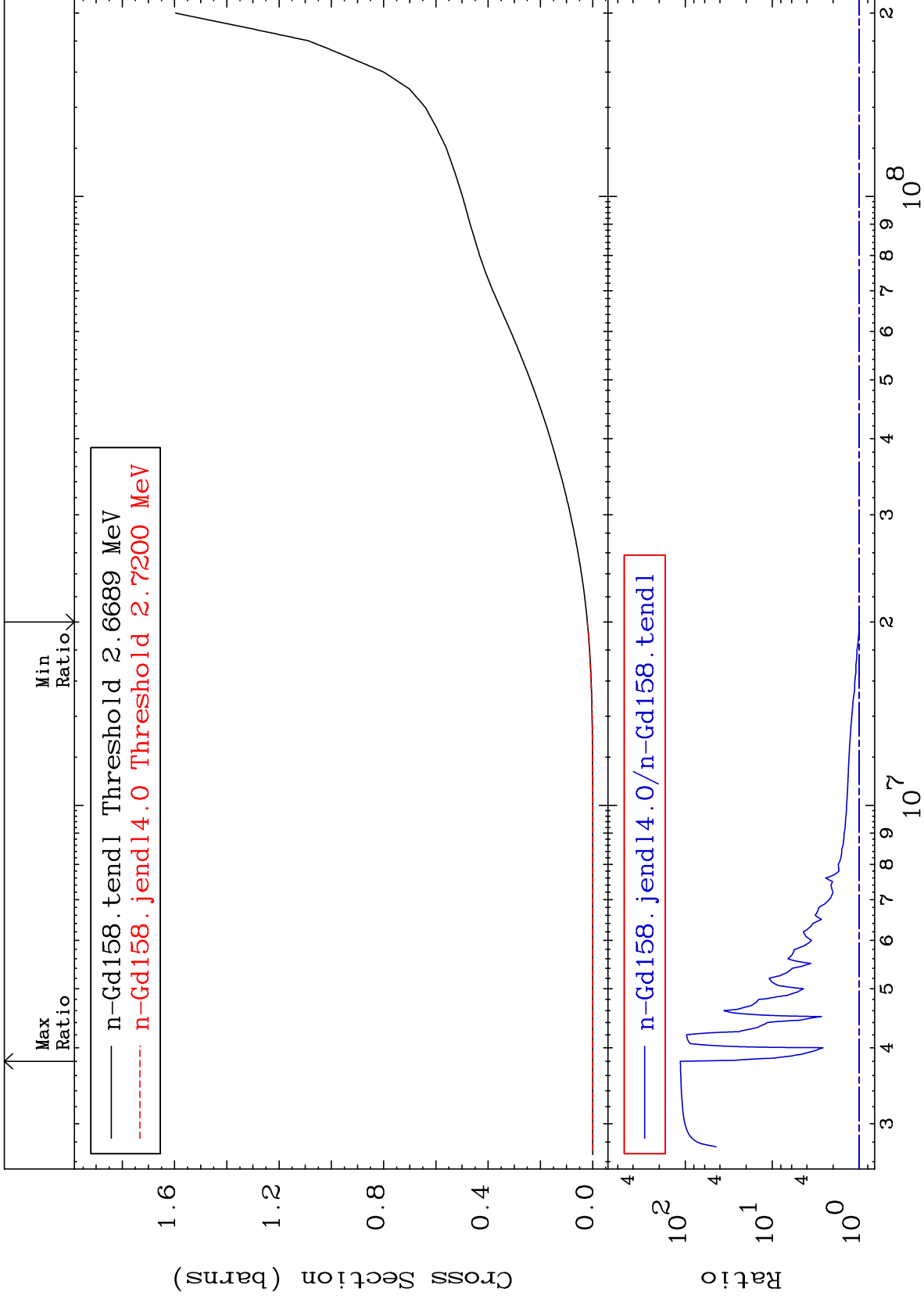
(n,  $\alpha$ )

64-Gd-158

Cross Section

24.59 To 9999. %

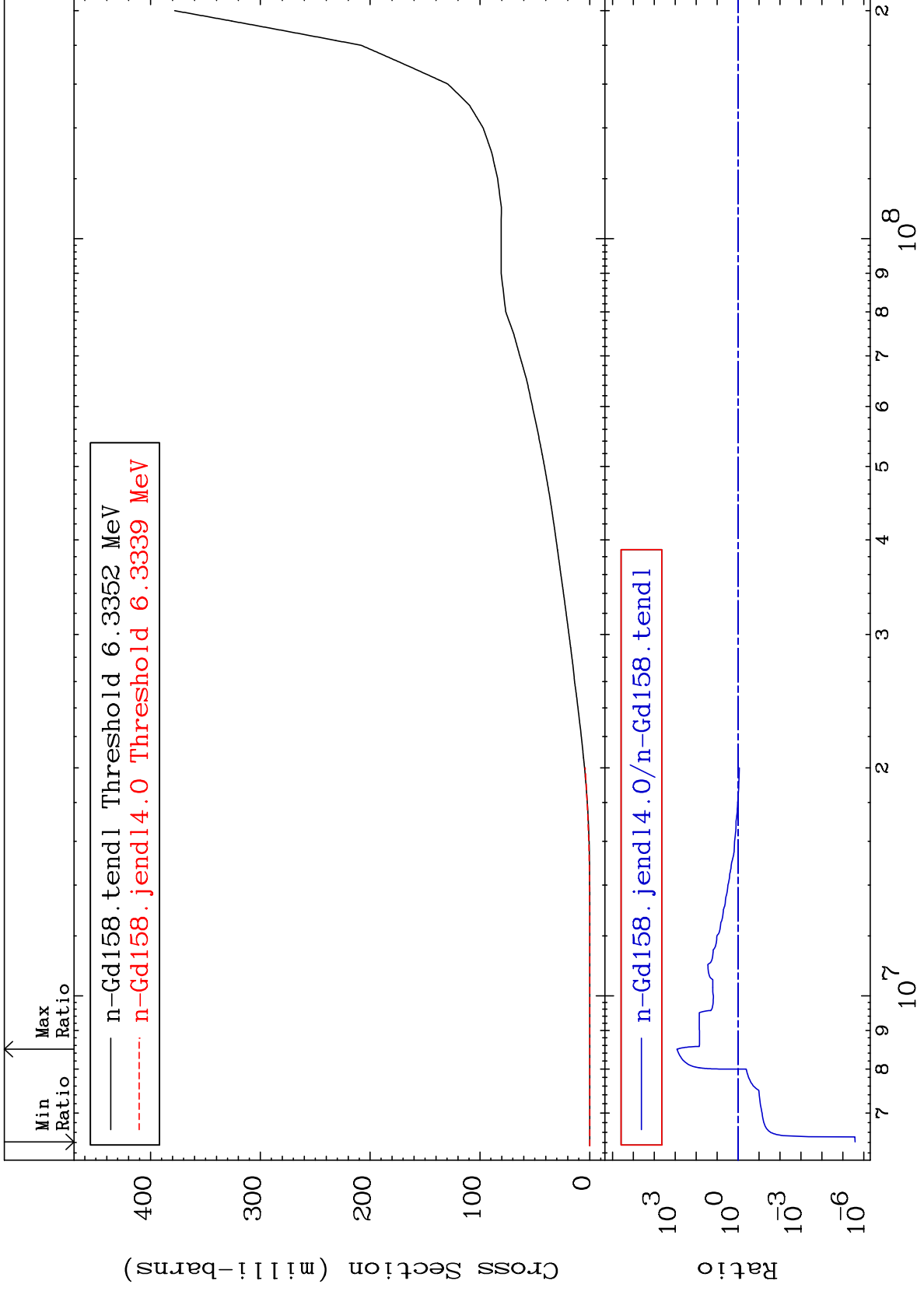


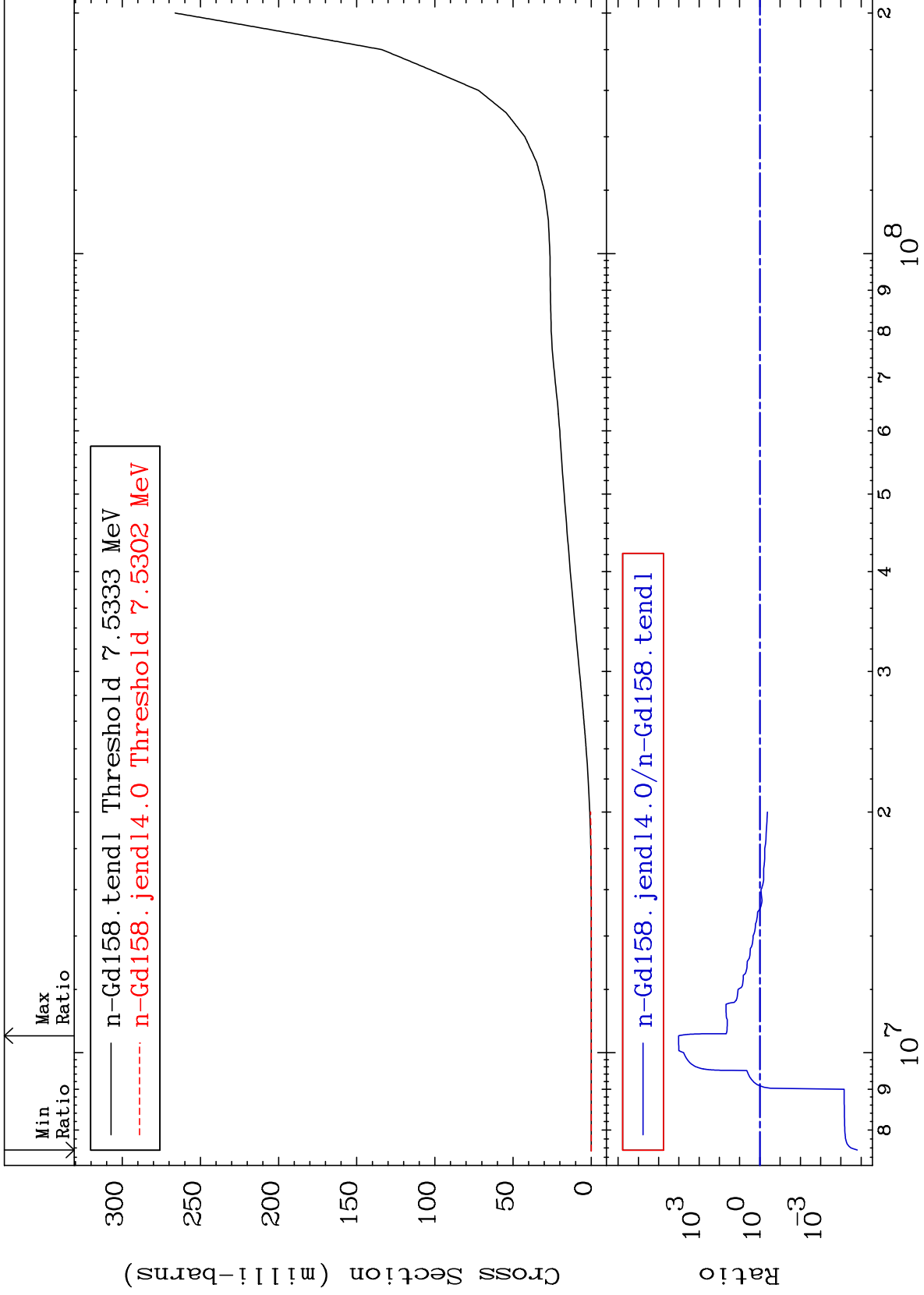


MAT 6443

Deuterium Production  
Cross Section

64-Gd-158  
-100.0 To 9999. %

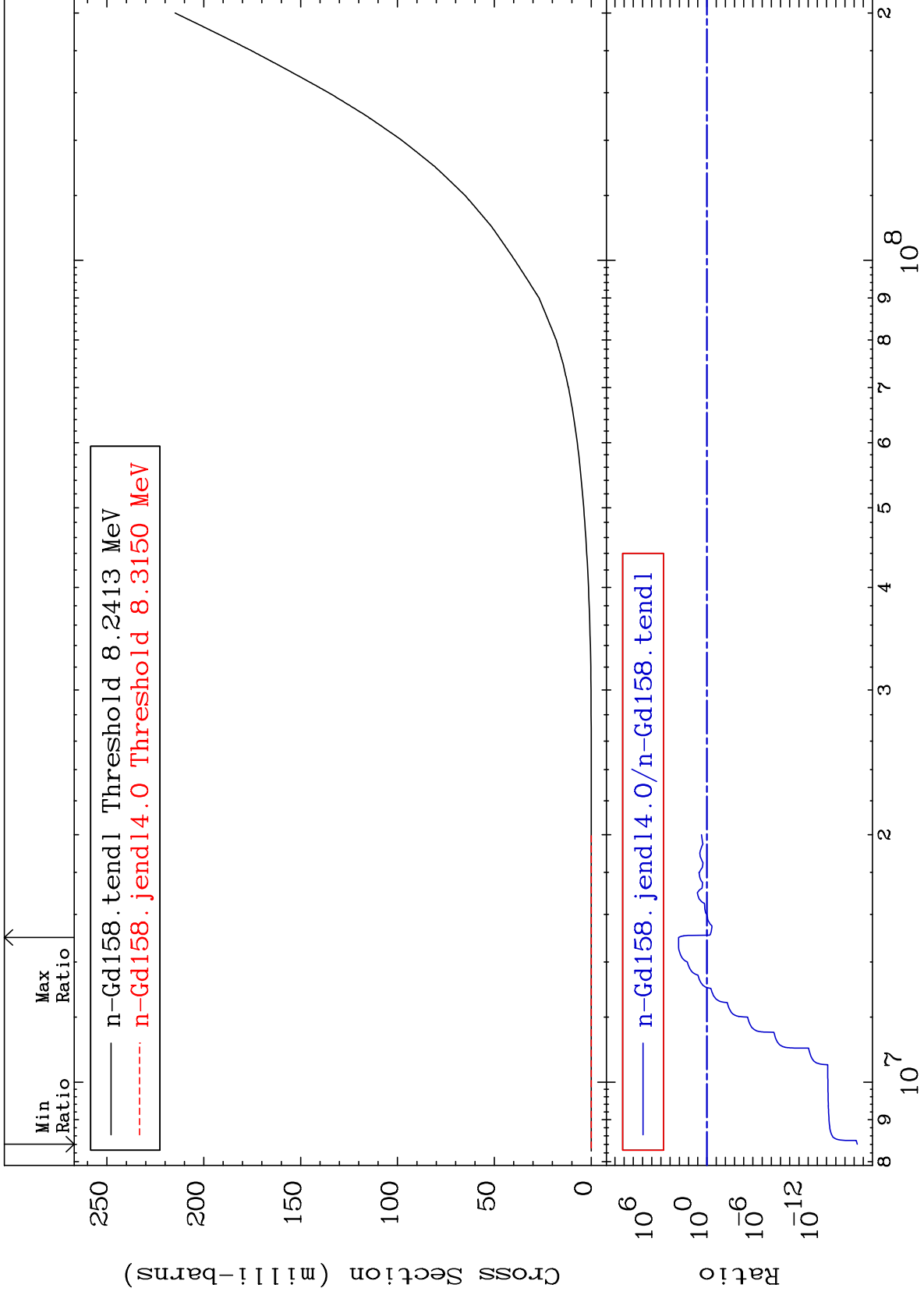




MAT 6443

He-3 Production  
Cross Section

64-Gd-158  
-100.0 To 9999. %



47

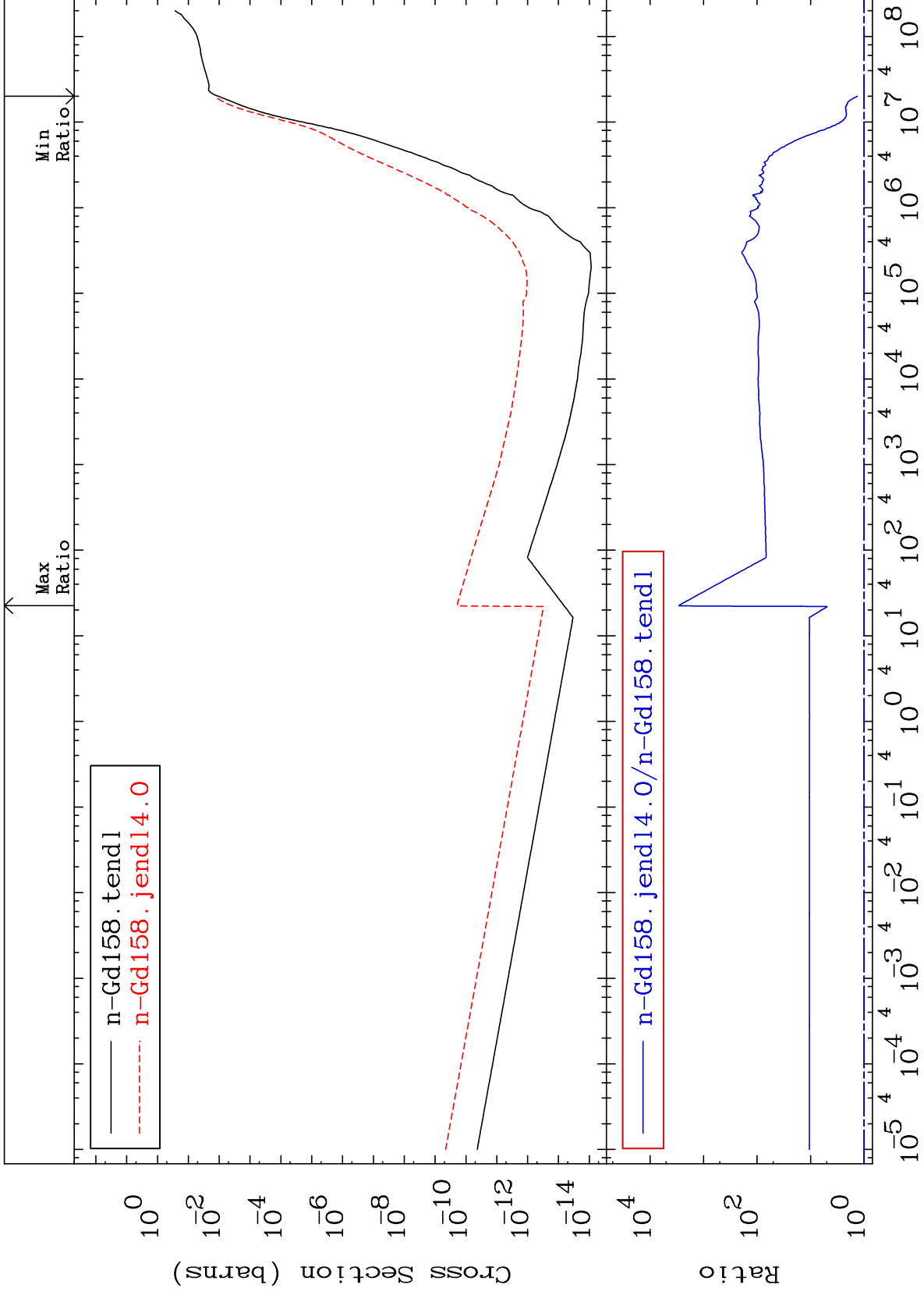
Incident Energy (eV)

64-Gd-158

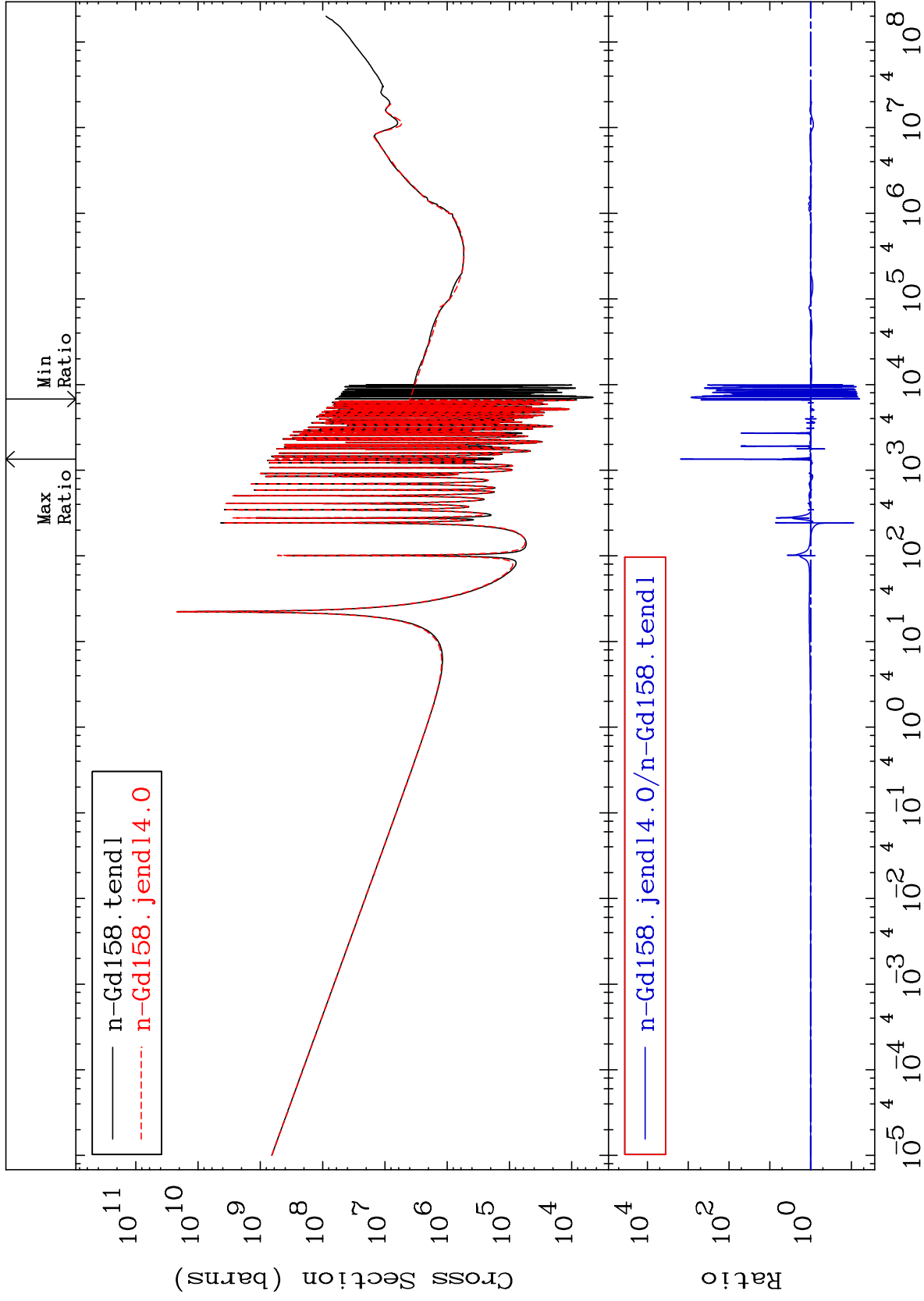
MAT 6443

He-4 Production  
Cross Section

64-Gd-158  
34.45 To 9999. %



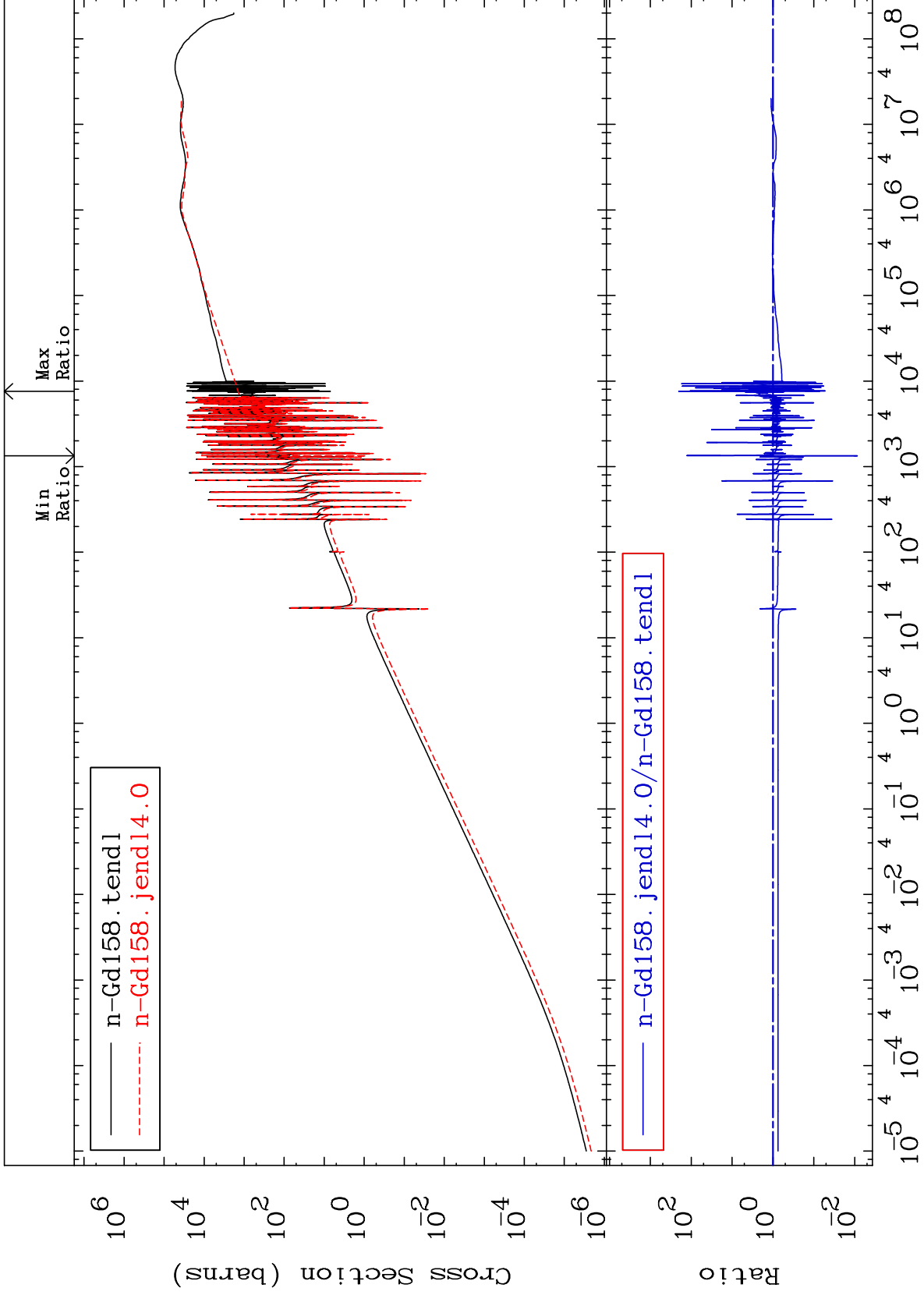


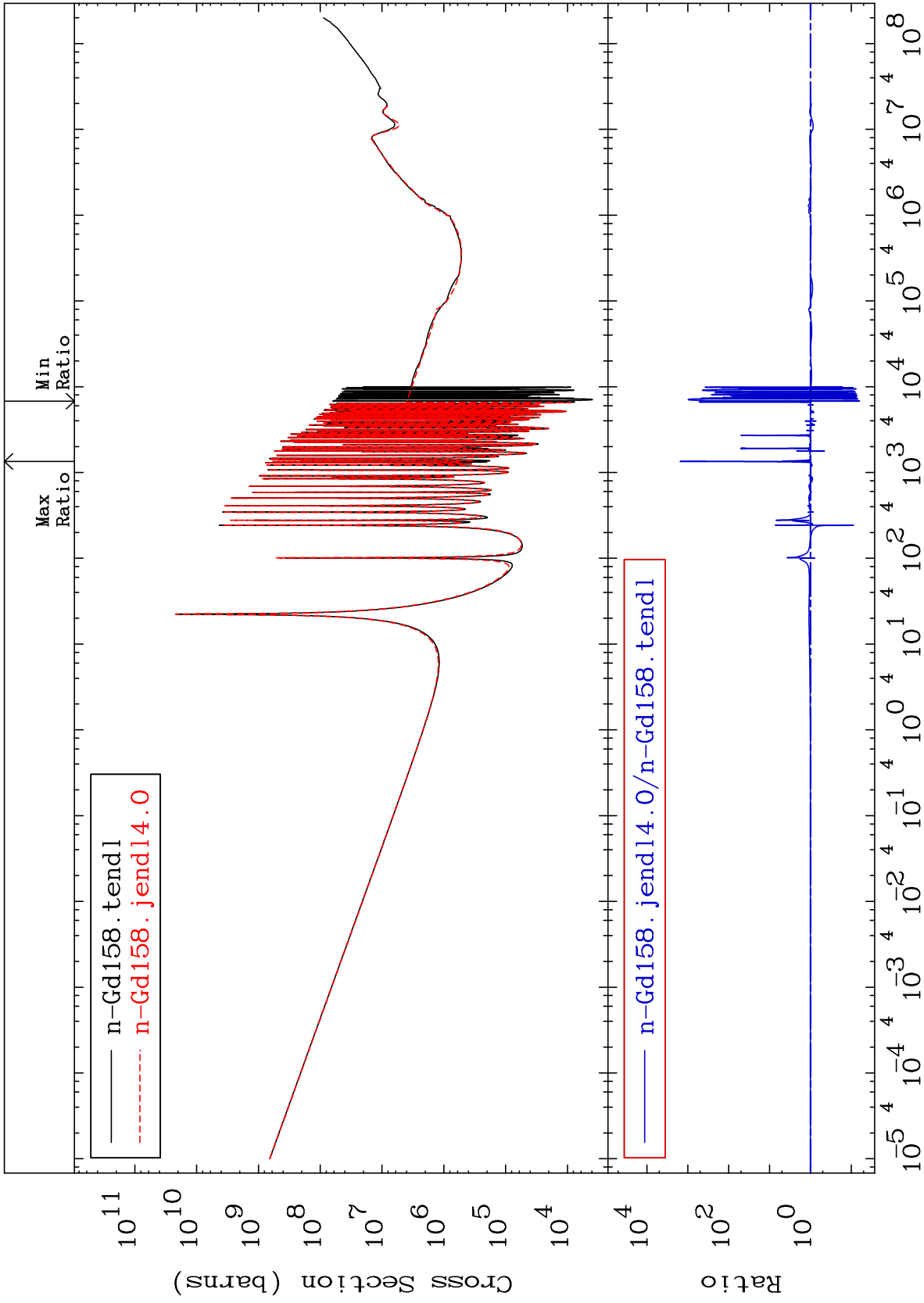


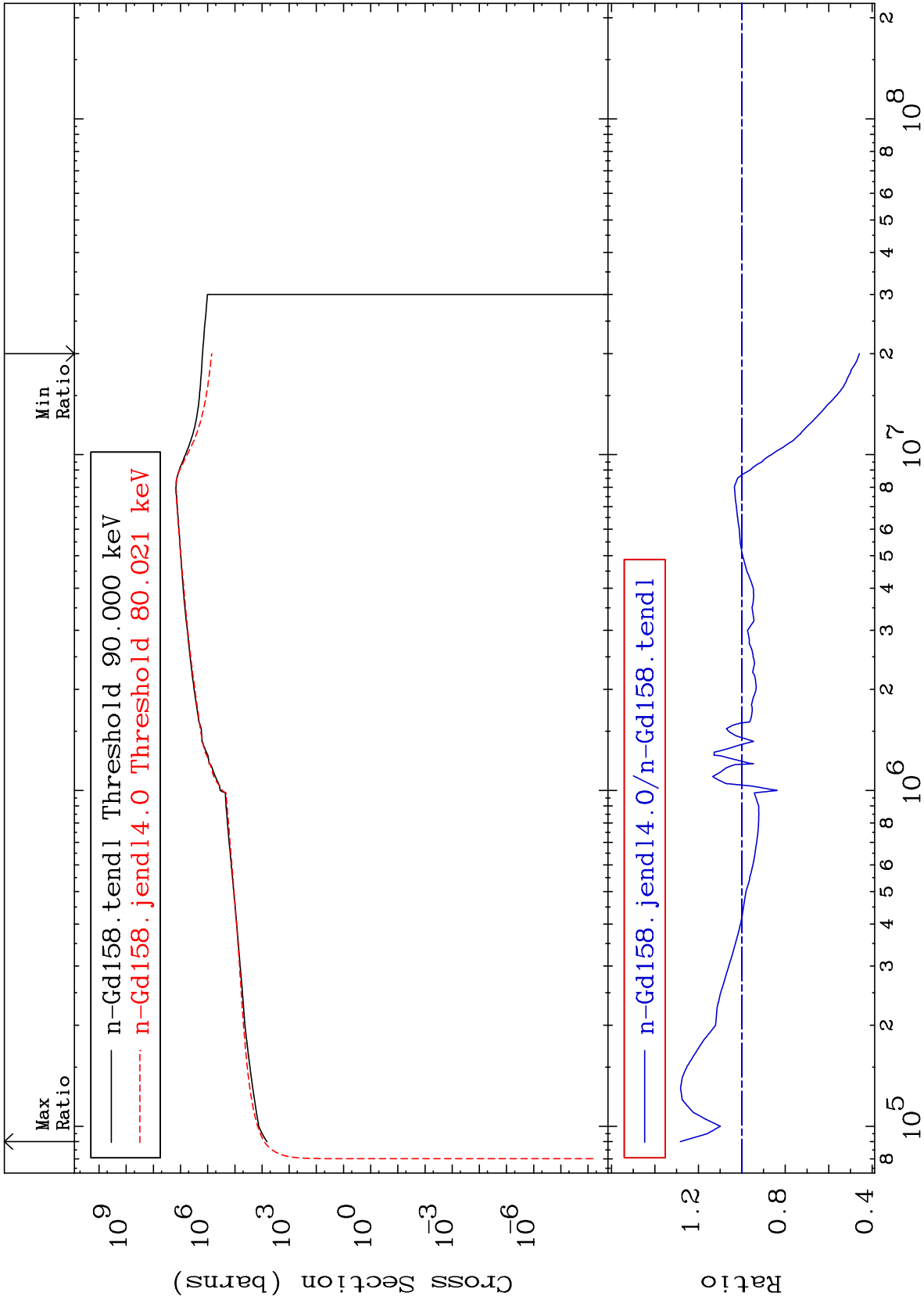
MAT 6443

Kerma elastic  
Cross Section

64-Gd-158  
-99.13 To 9999. %



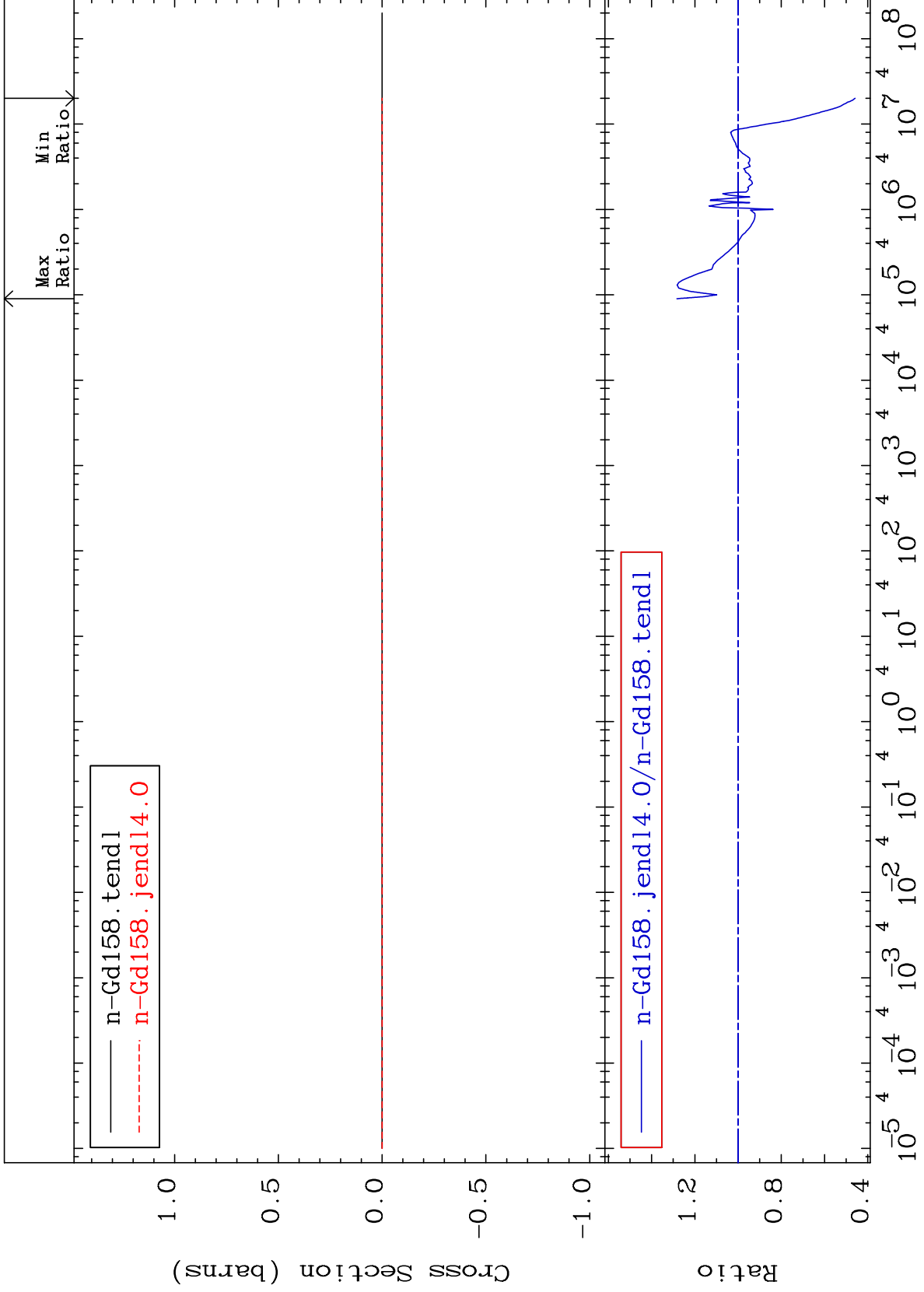


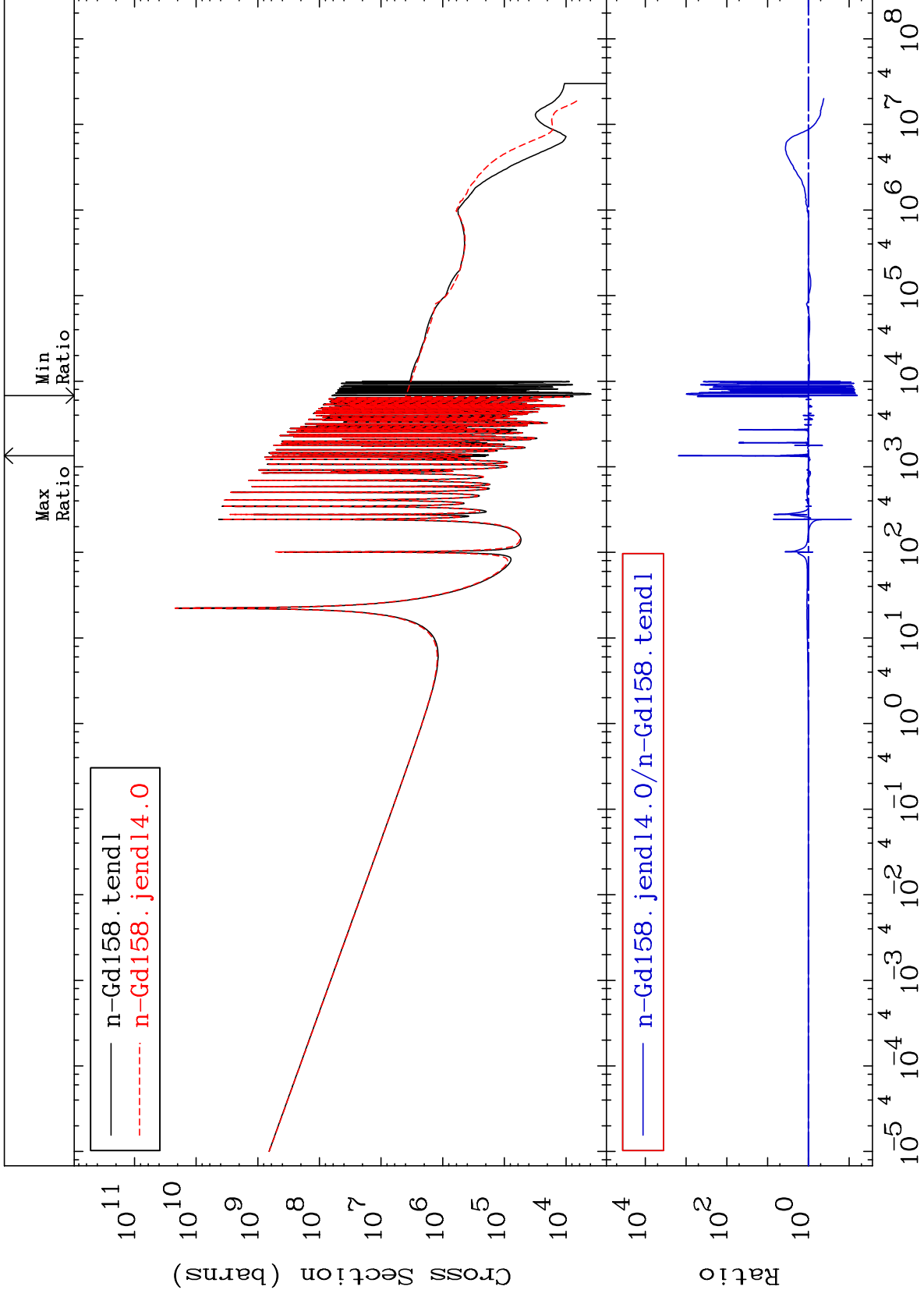


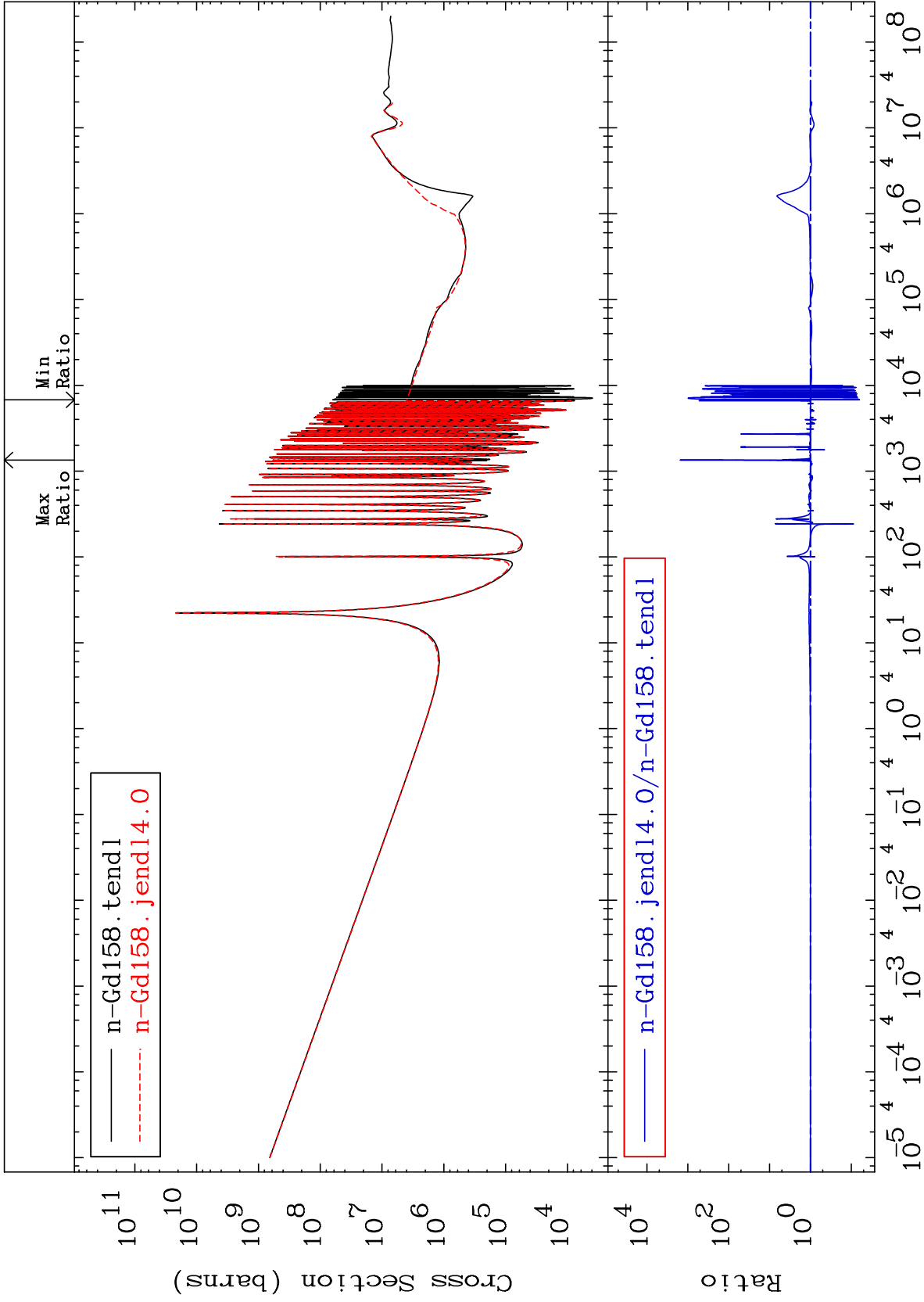
MAT 6443

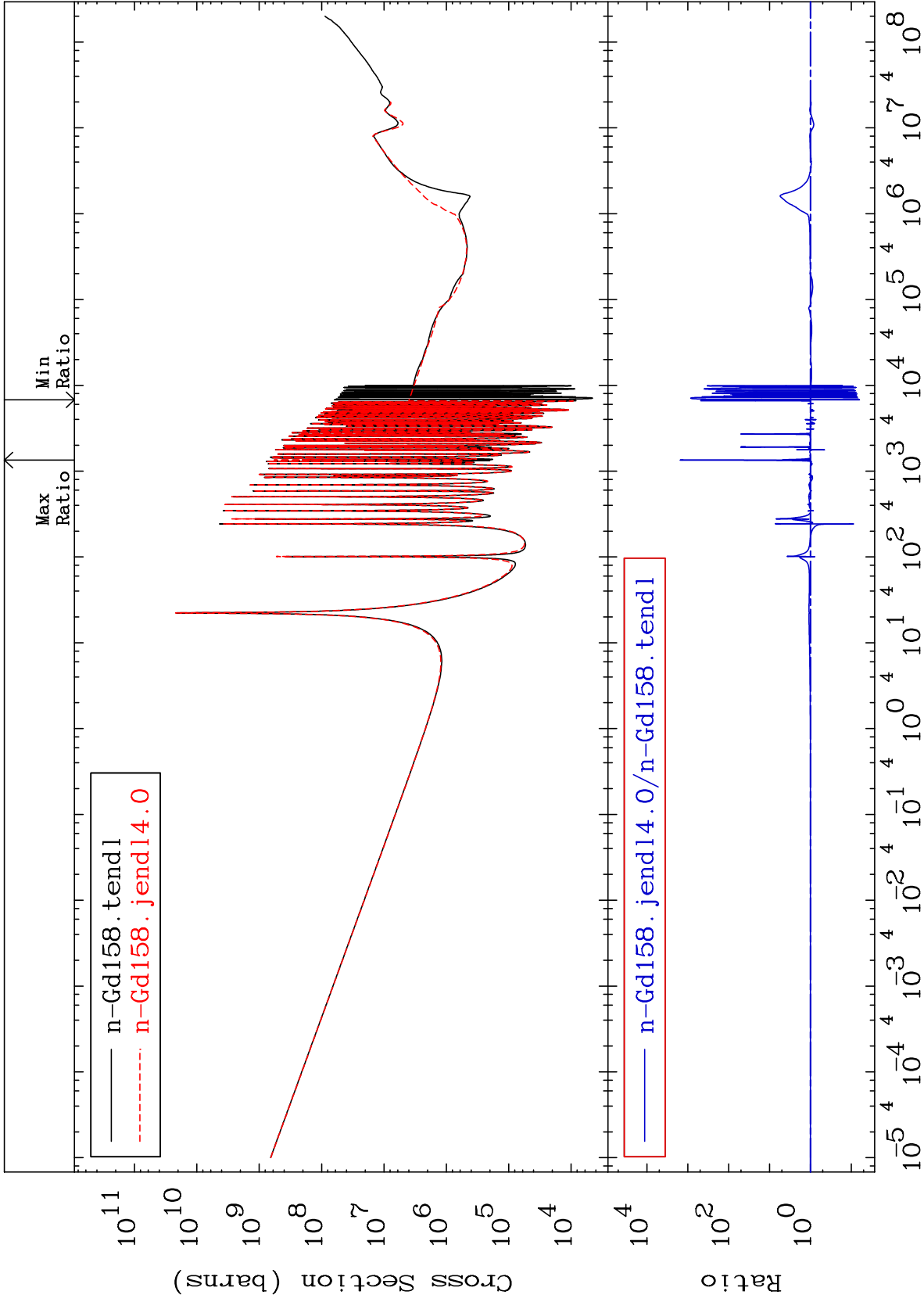
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

64-Gd-158  
-54.11 To 28.28 %







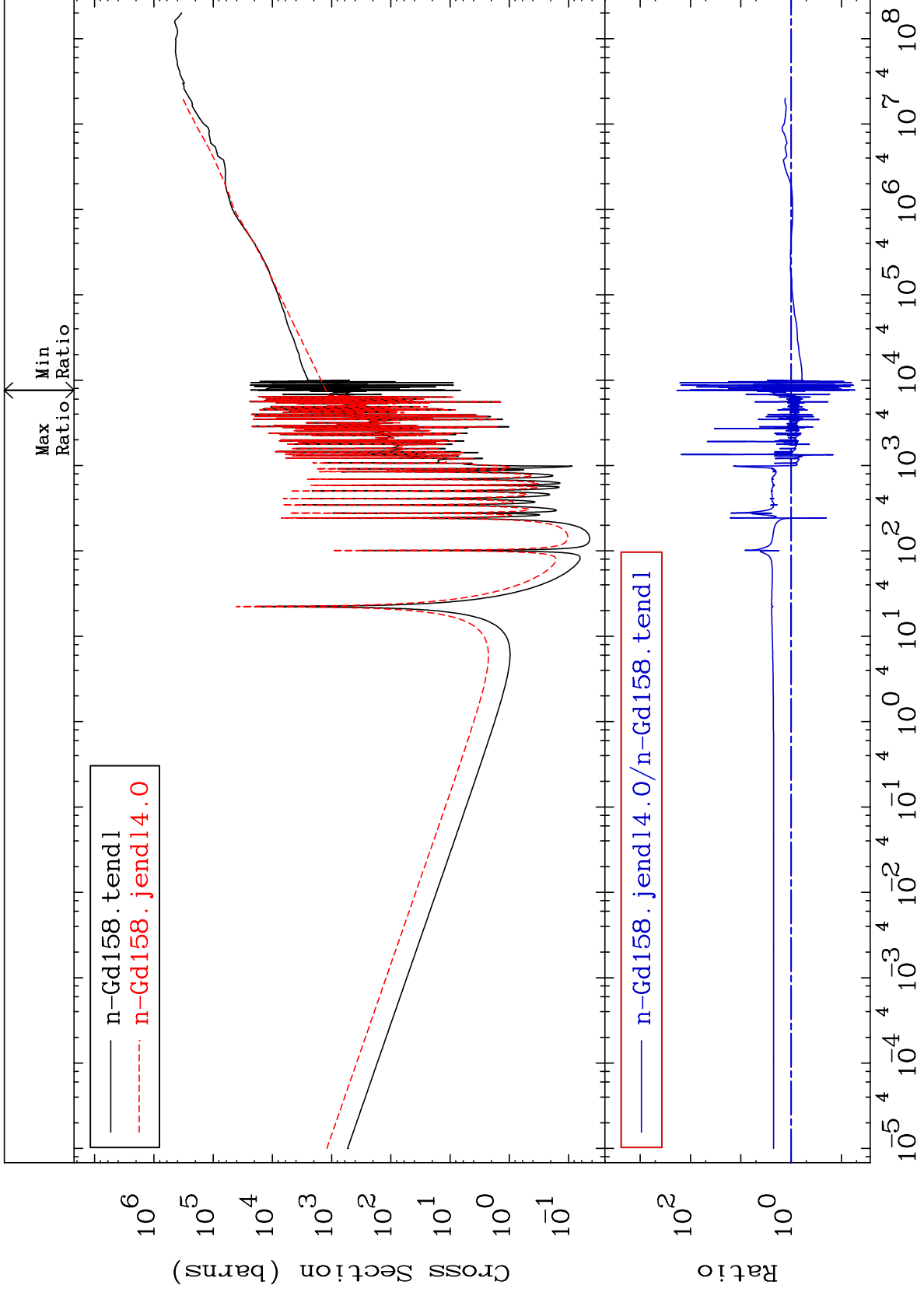




MAT 6443

Dpa total (eV-barns)  
Cross Section

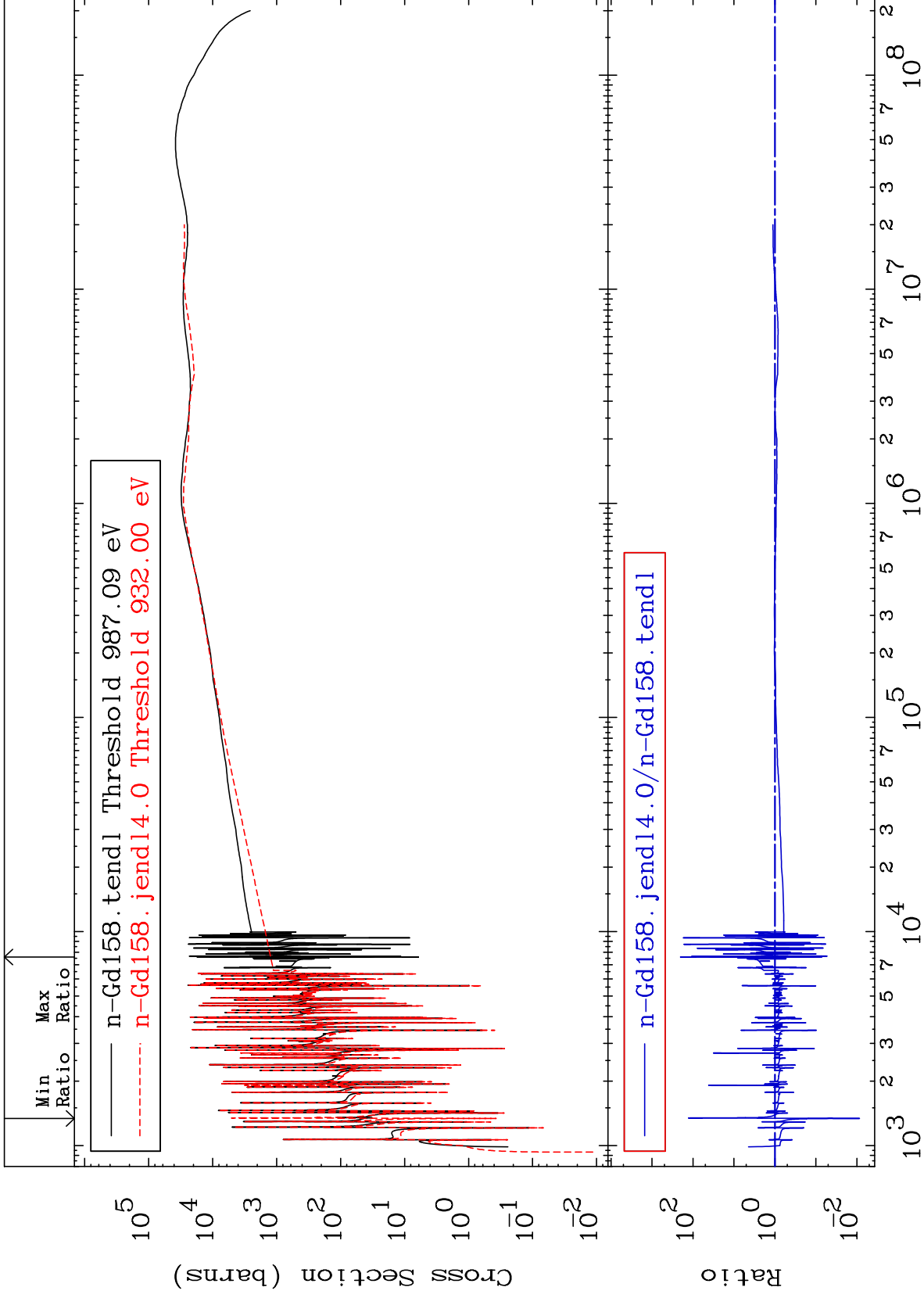
64-Gd-158  
-94.63 To 9999. %



MAT 6443

Dpa elastic (mt2)  
Cross Section

64-Gd-158  
-99.13 To 9999. %



58

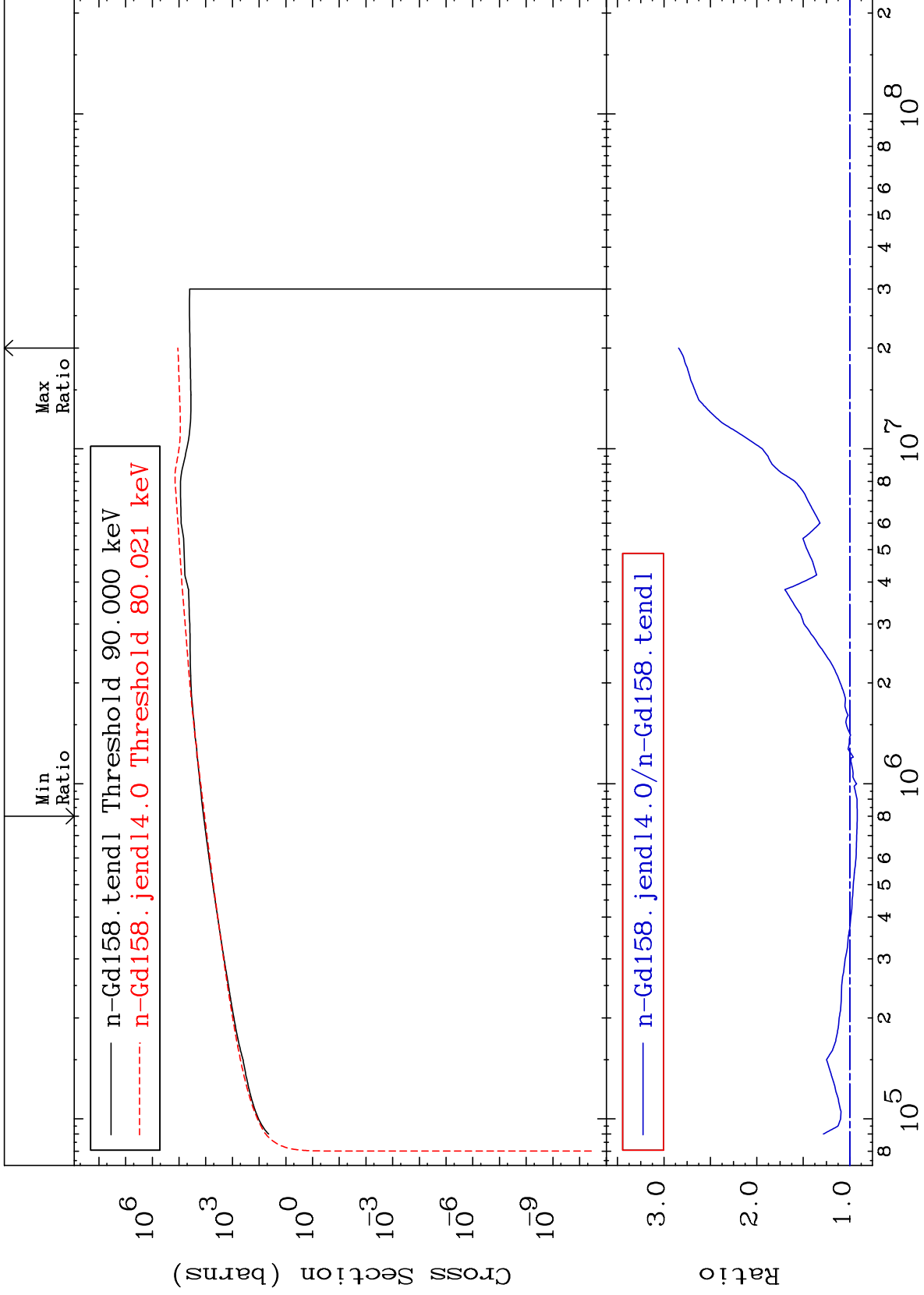
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91)  
Cross Section

64-Gd-158  
-8.146 To 184.2 %



59

Incident Energy (eV)

64-Gd-158

