

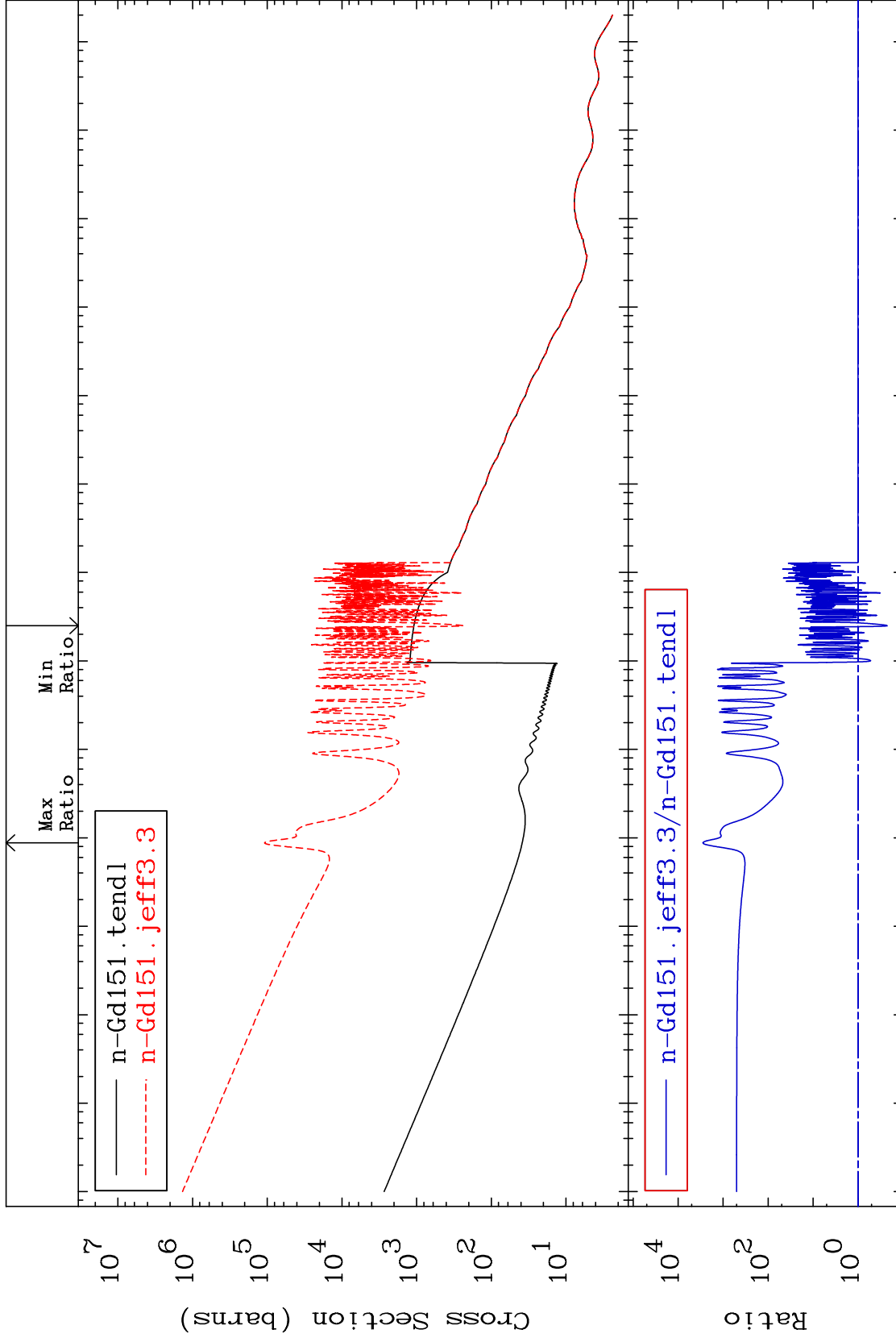
MAT 6422

Total

64-Gd-151

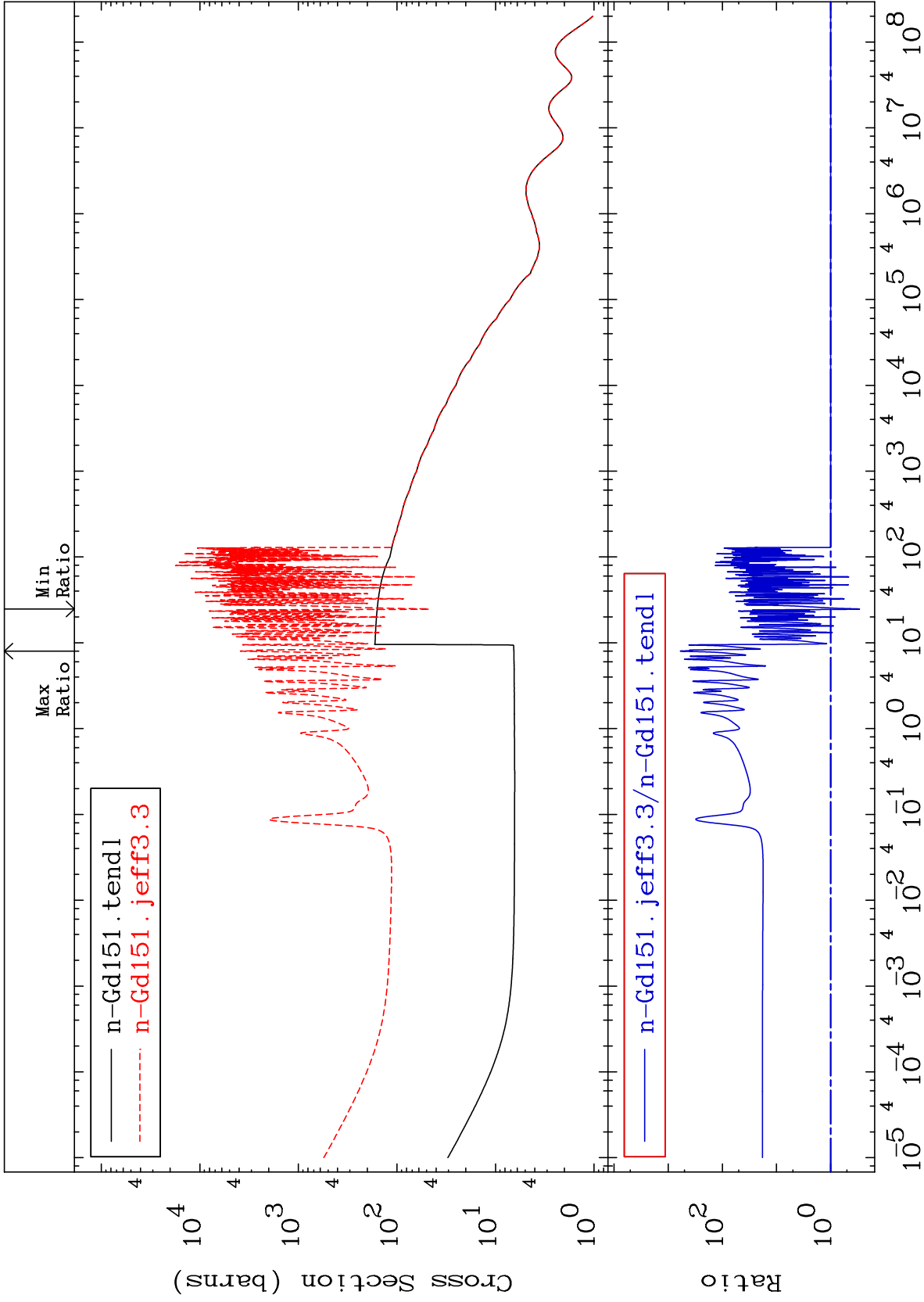
Cross Section

-77.82 To 9999. %



Incident Energy (eV)

64-Gd-151

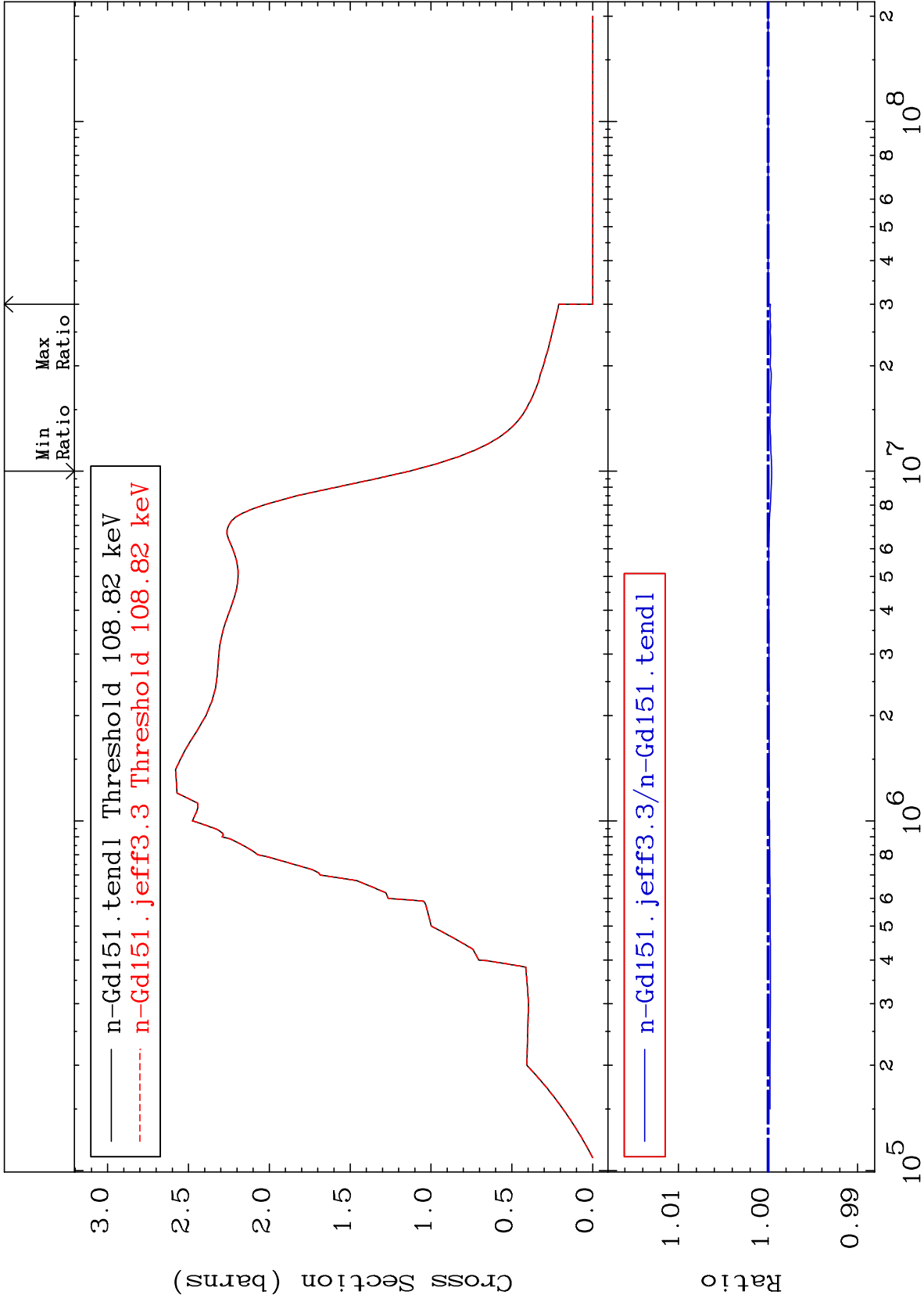


MAT 6422

64-Gd-151

Inelastic  
Cross Section

-0.040 To 0.000 %



Incident Energy (eV)

64-Gd-151

MAT 6422

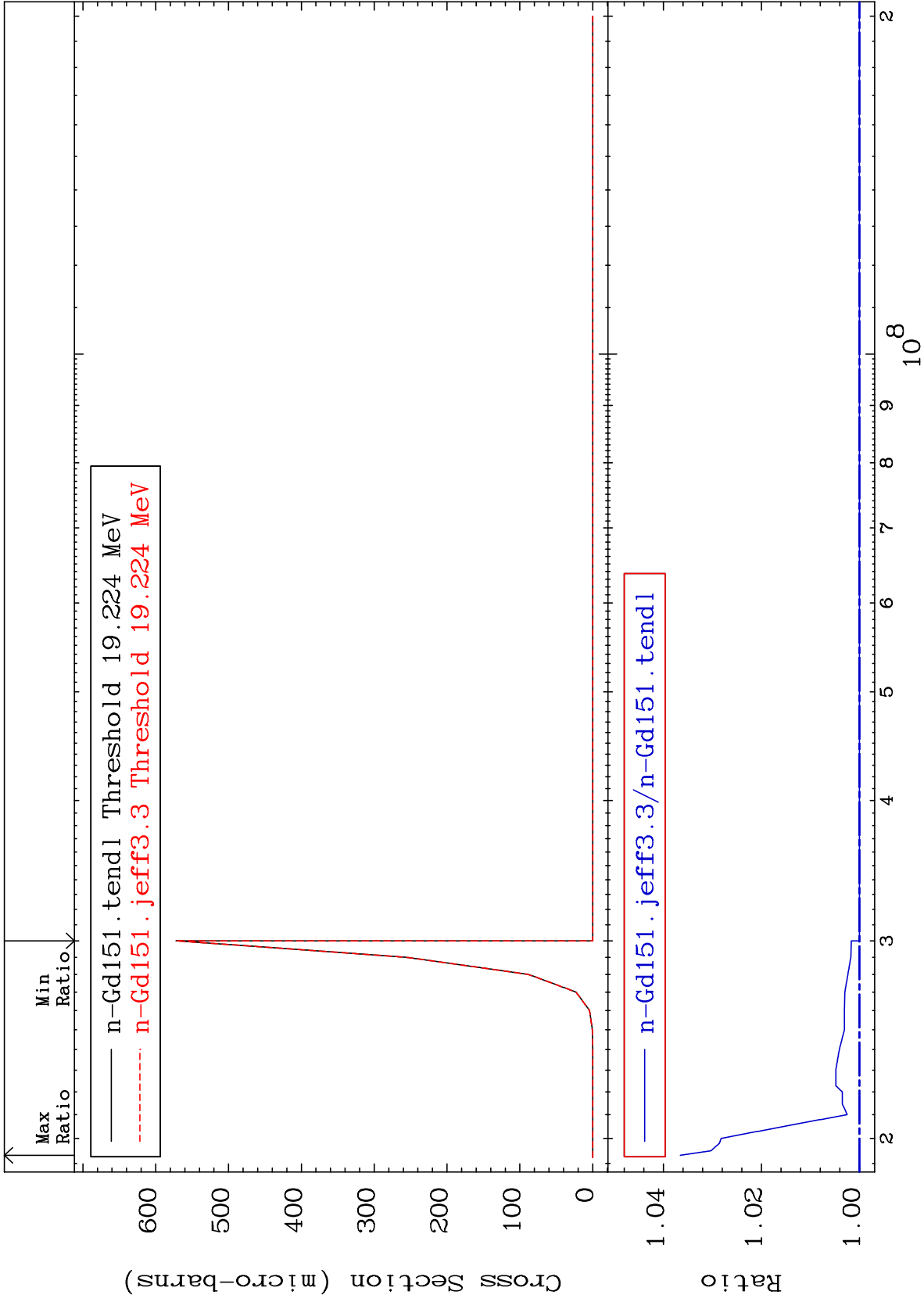
(n,2n) d

64-Gd-151

Cross Section

0.000

To 3.653 %



4

Incident Energy (eV)

64-Gd-151

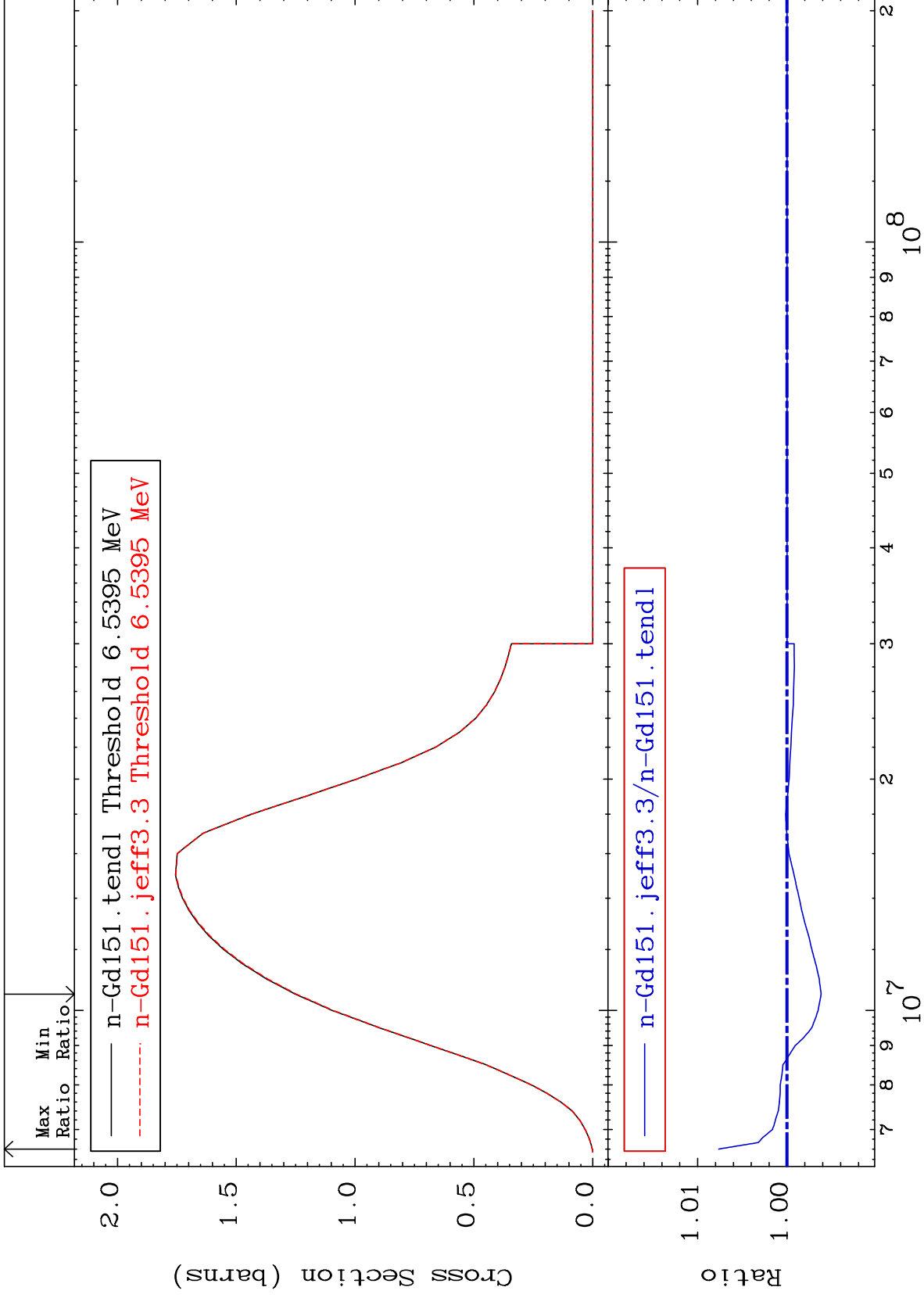
MAT 6422

(n,2n)

64-Gd-151

Cross Section

-0.382 To 0.765 %



5

Incident Energy (eV)

64-Gd-151

MAT 6422

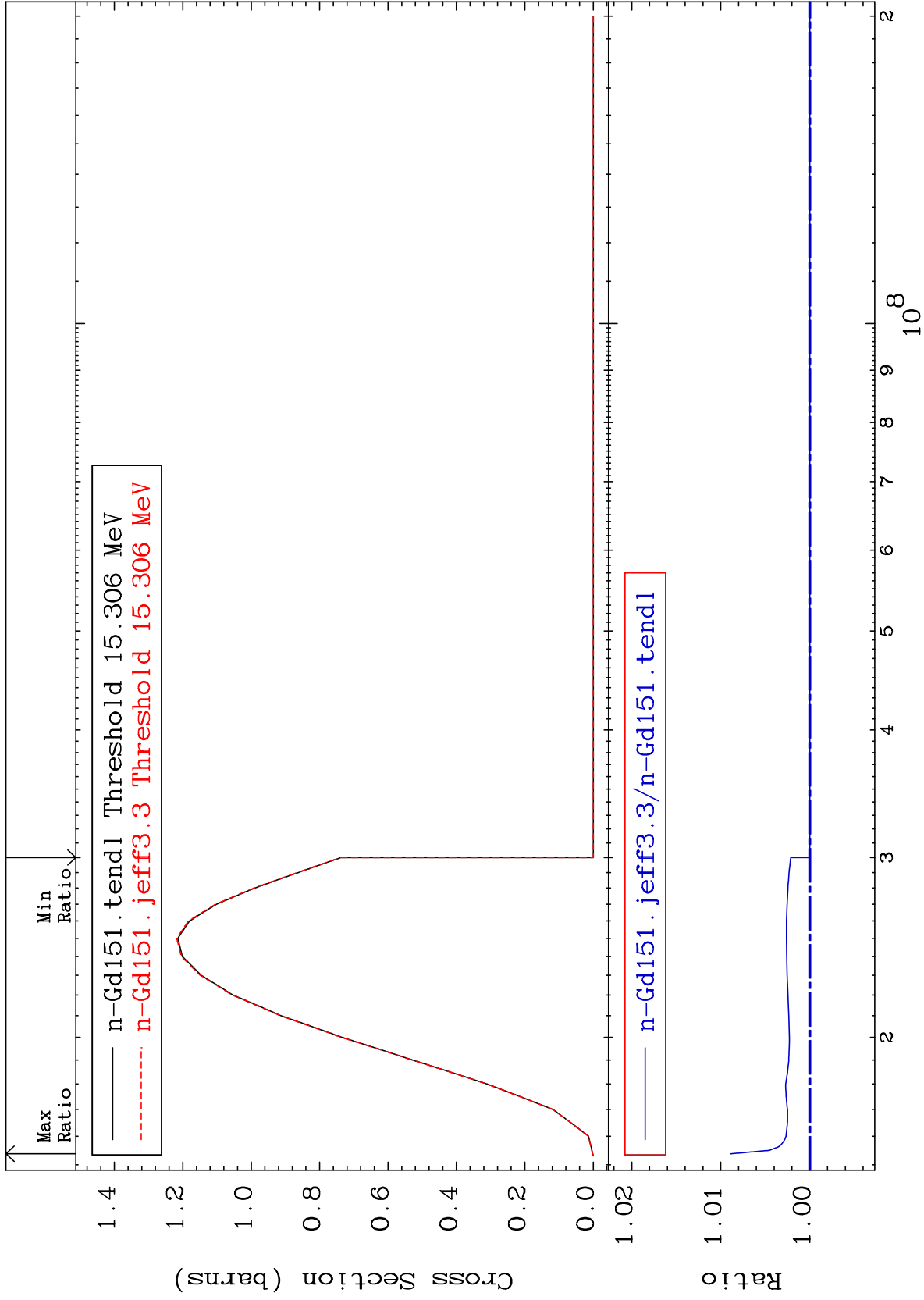
(n,3n)

64-Gd-151

Cross Section

0.000

To 0.890 %



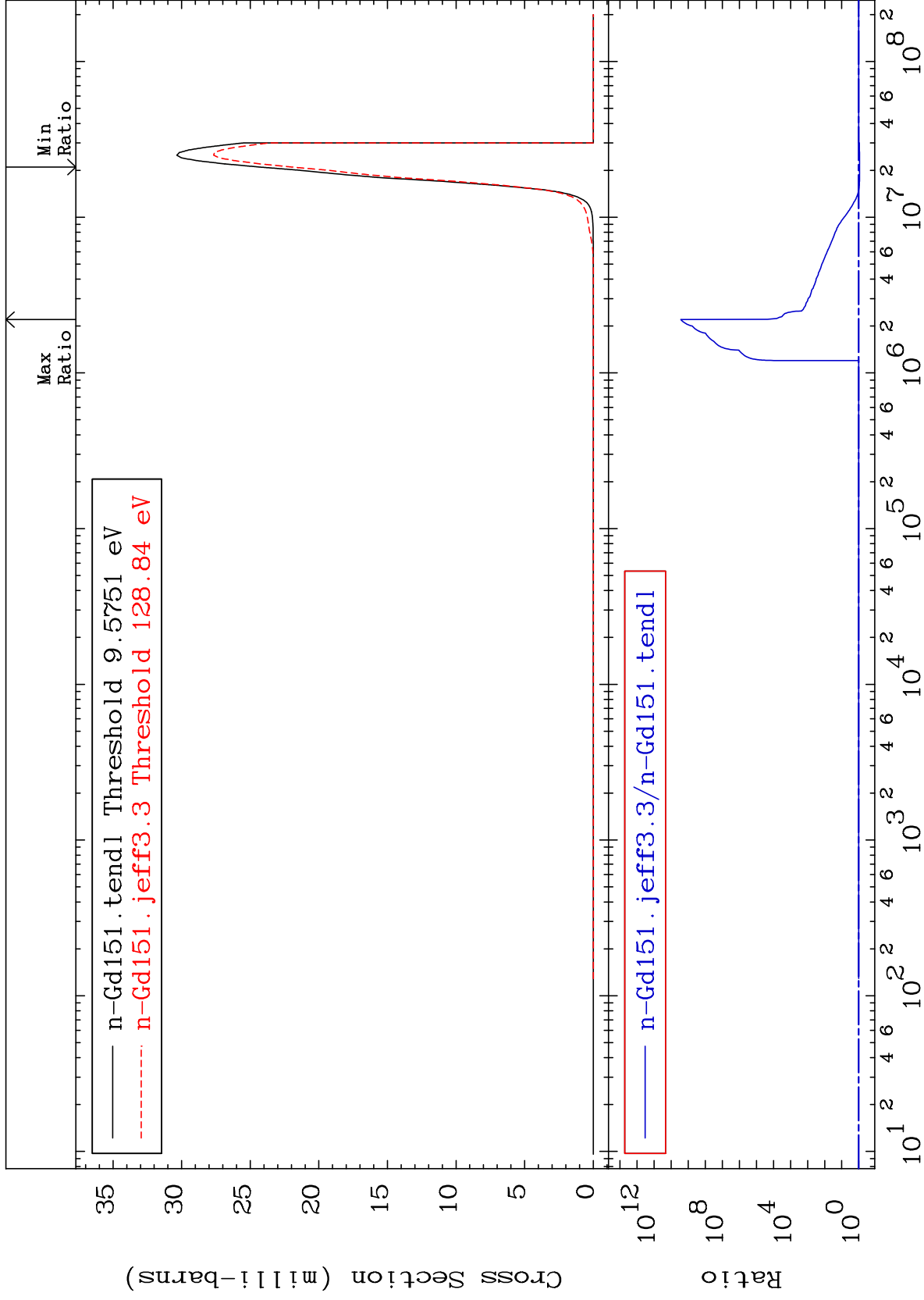
MAT 6422

$(n, n') \alpha$

64-Gd-151

Cross Section

-9.683 To 9999. %



Incident Energy (eV)

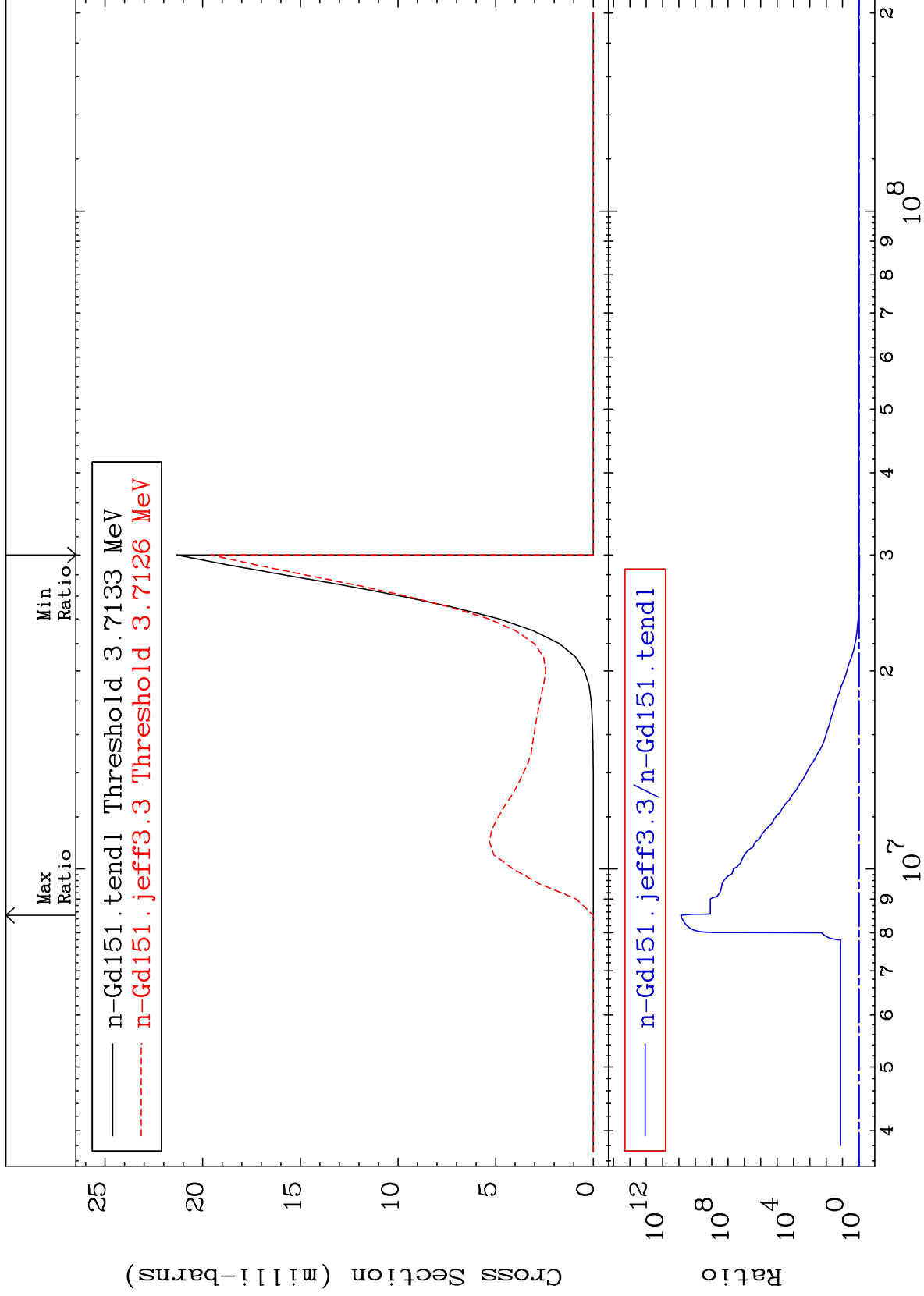
64-Gd-151

7

MAT 6422

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

64-Gd-151  
-8.290 To 9999. %

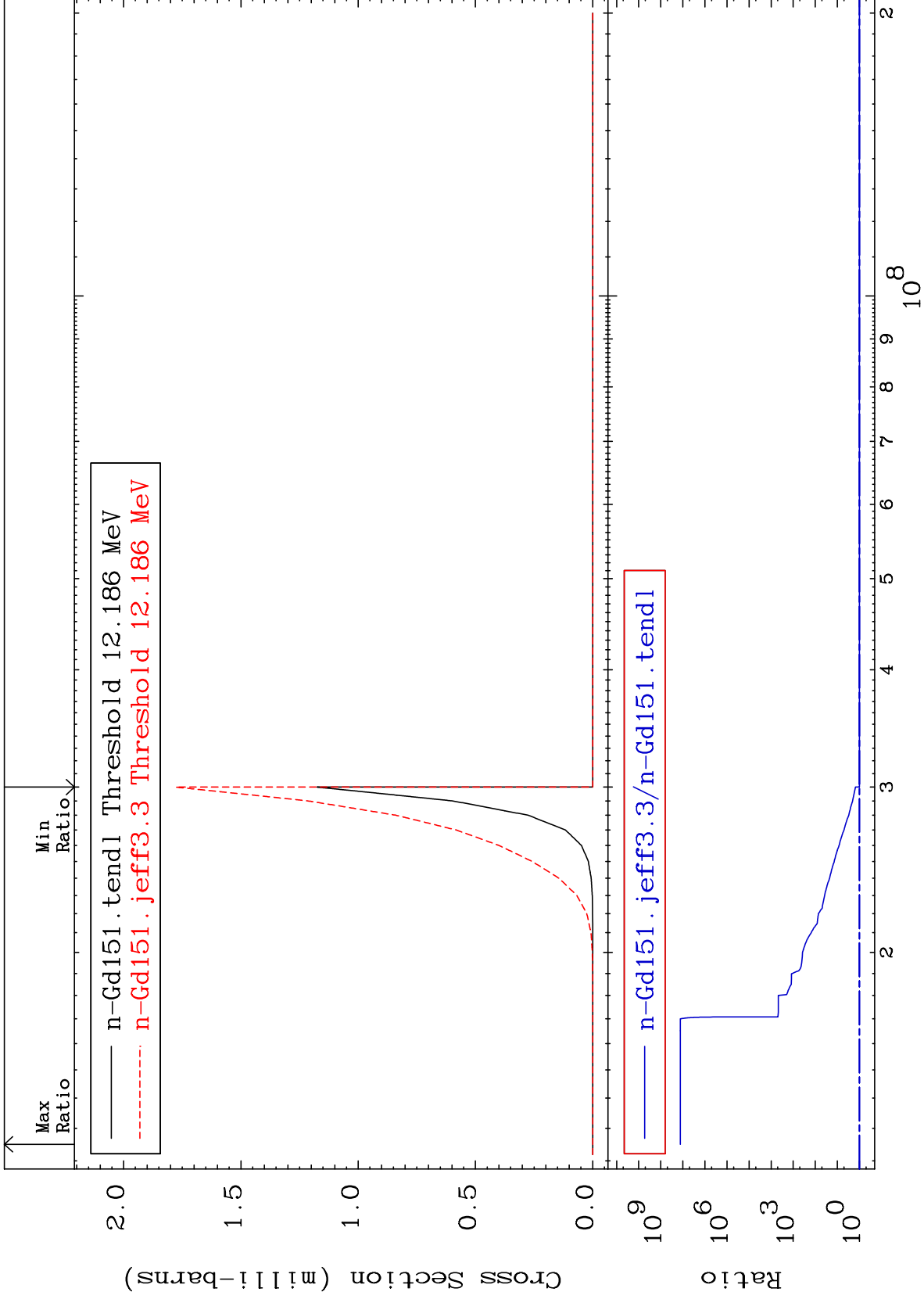




MAT 6422

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

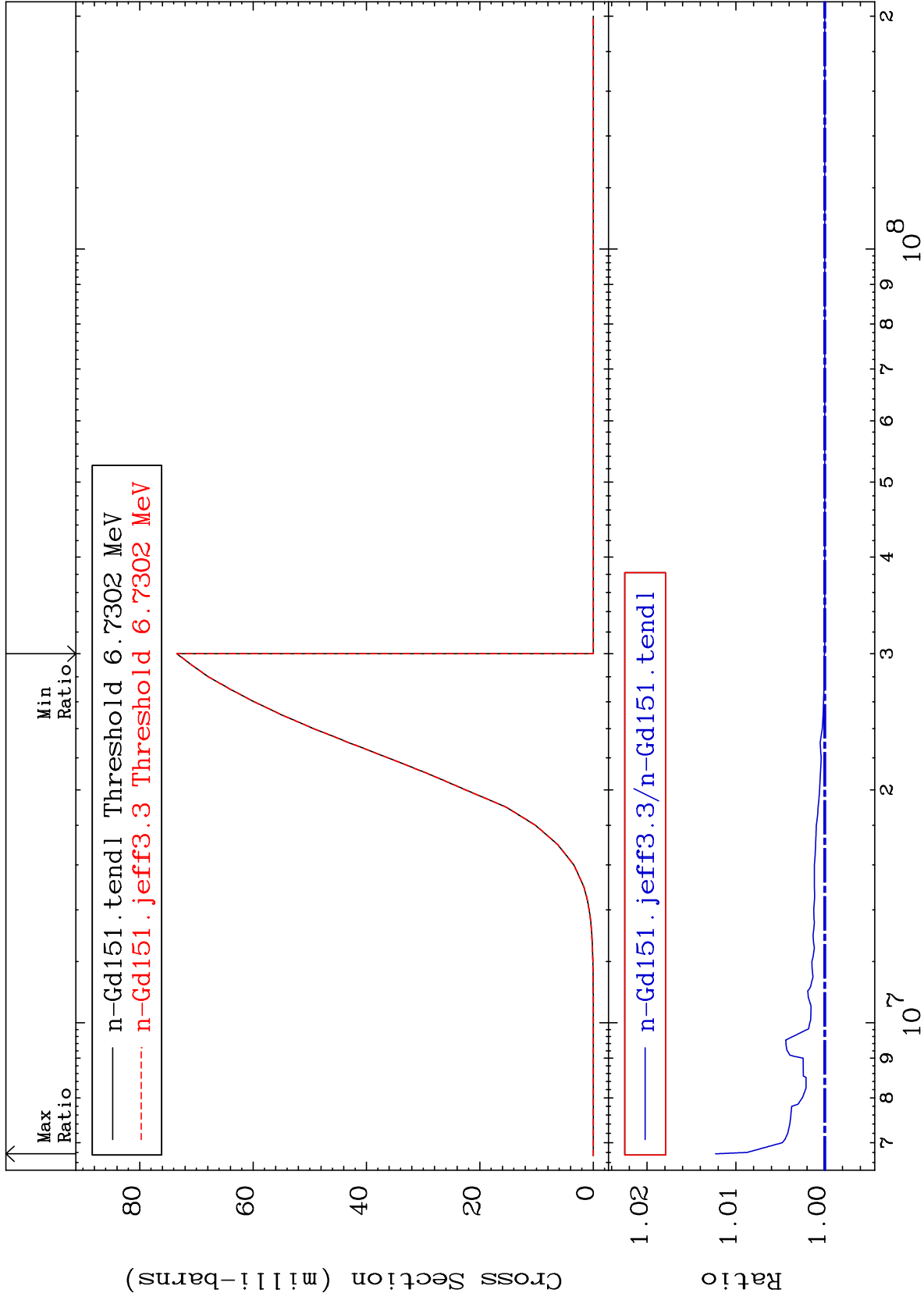
64-Gd-151  
To 9999. %



MAT 6422

(n,n') p  
Cross Section

64-Gd-151  
To 1.229 %



64-Gd-151

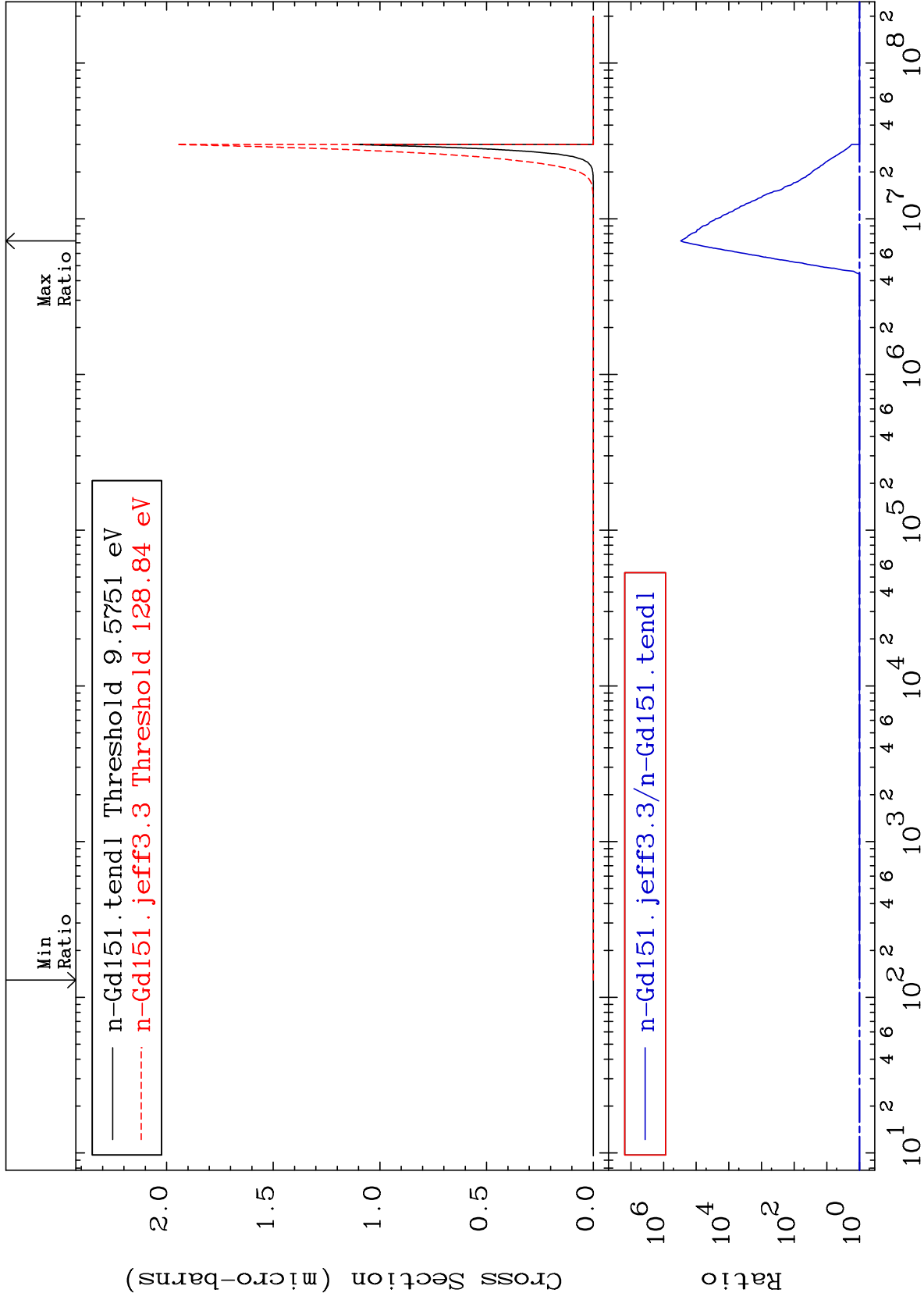
Incident Energy (eV)

10

MAT 6422

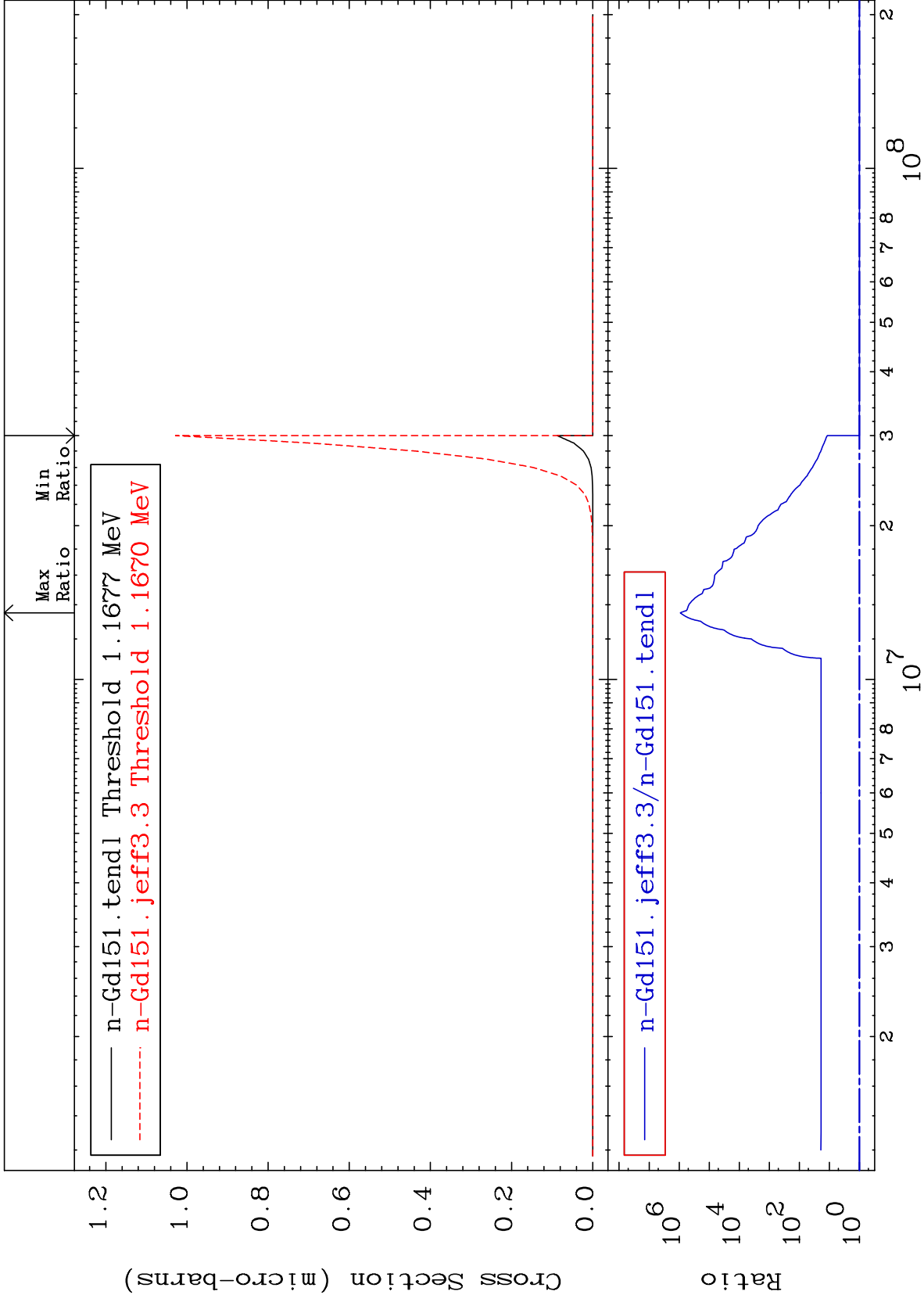
(n, n') 2α  
Cross Section

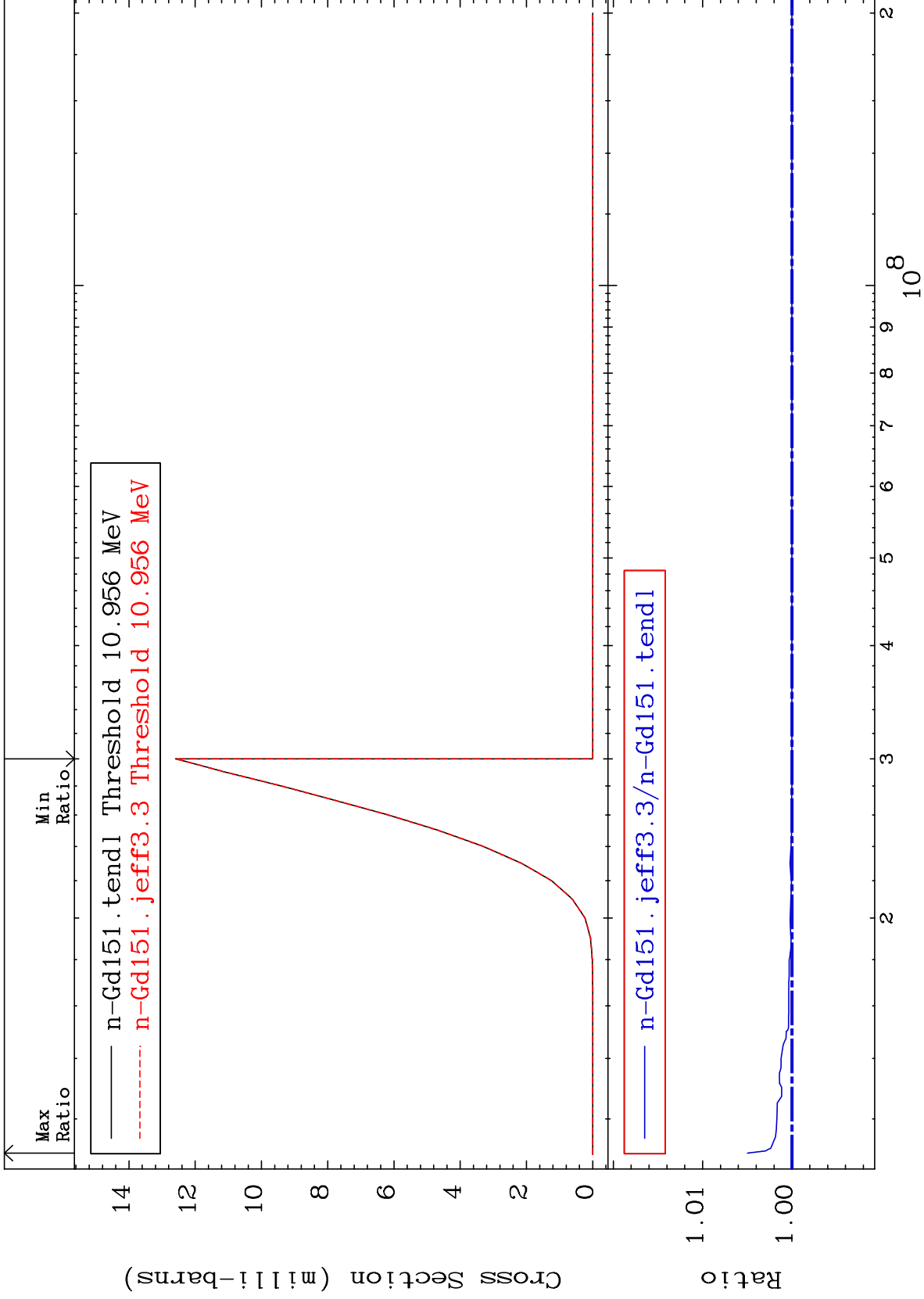
64-Gd-151  
To 9999. %



MAT 6422

(n,2n) 2α  
Cross Section  
64-Gd-151  
0.000 To 9999. %





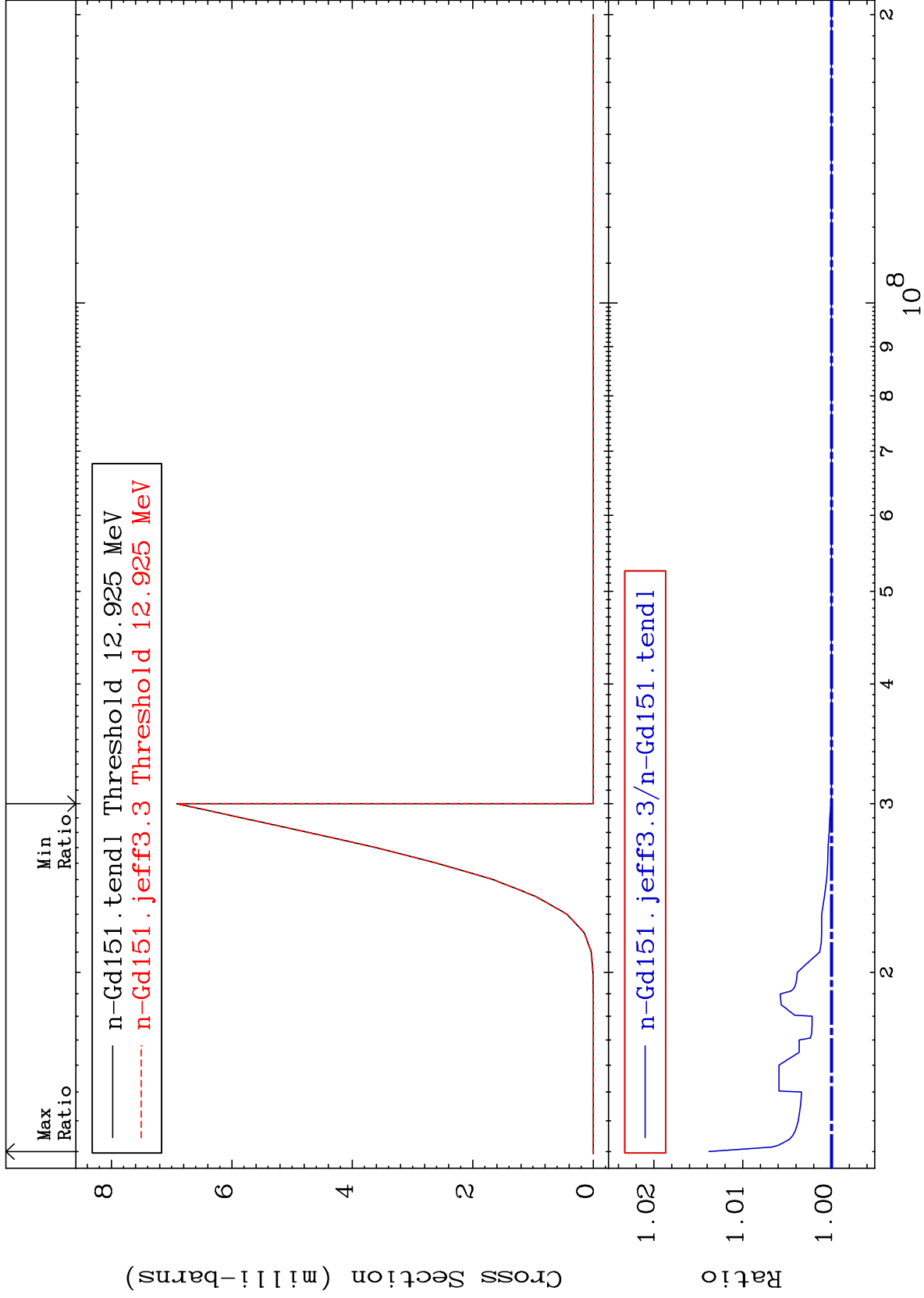
MAT 6422

(n,n') t

64-Gd-151

Cross Section

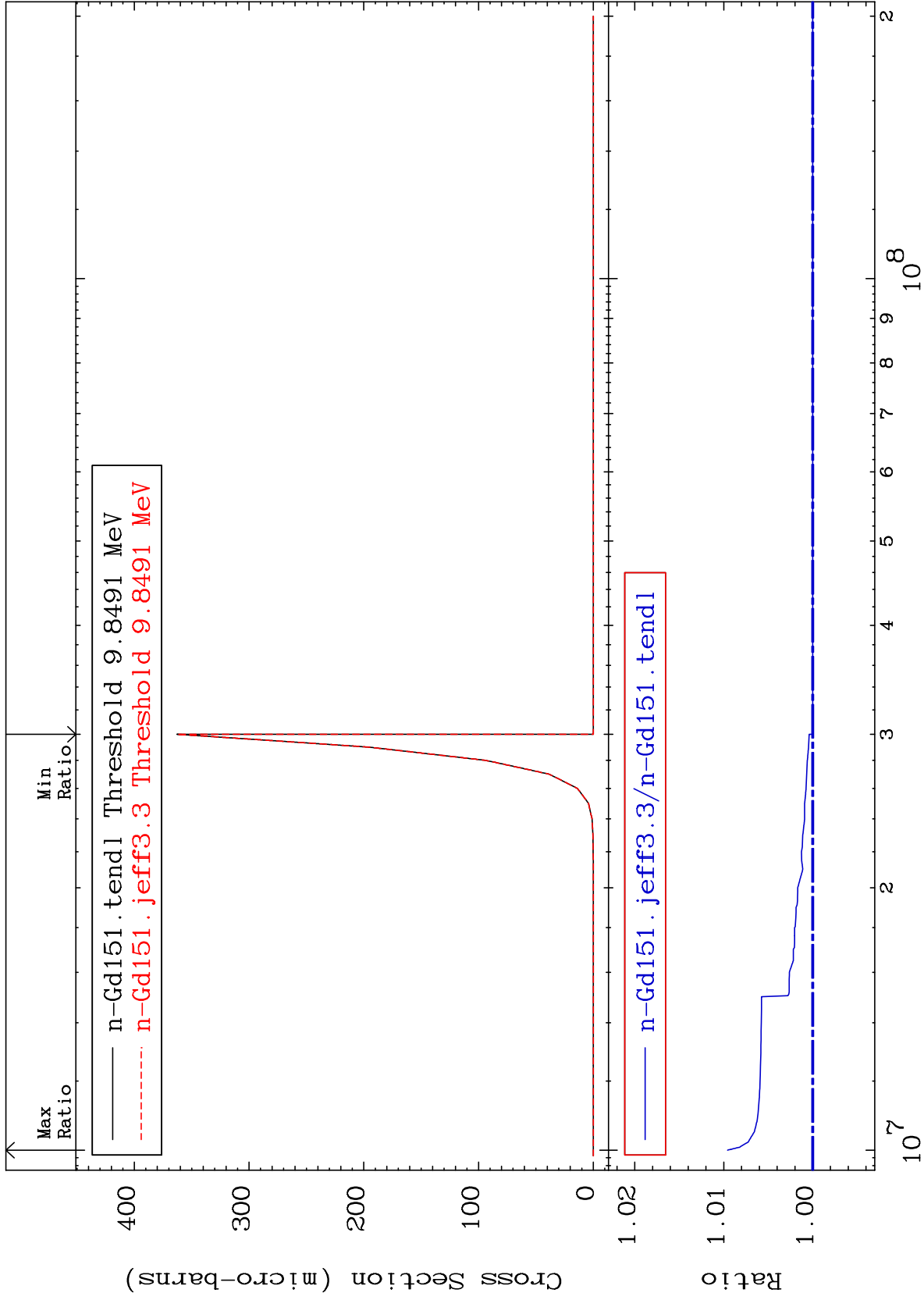
0.000 To 1.382 %



MAT 6422

(n, n') He-3  
Cross Section

64-Gd-151  
0.000 To 0.956 %



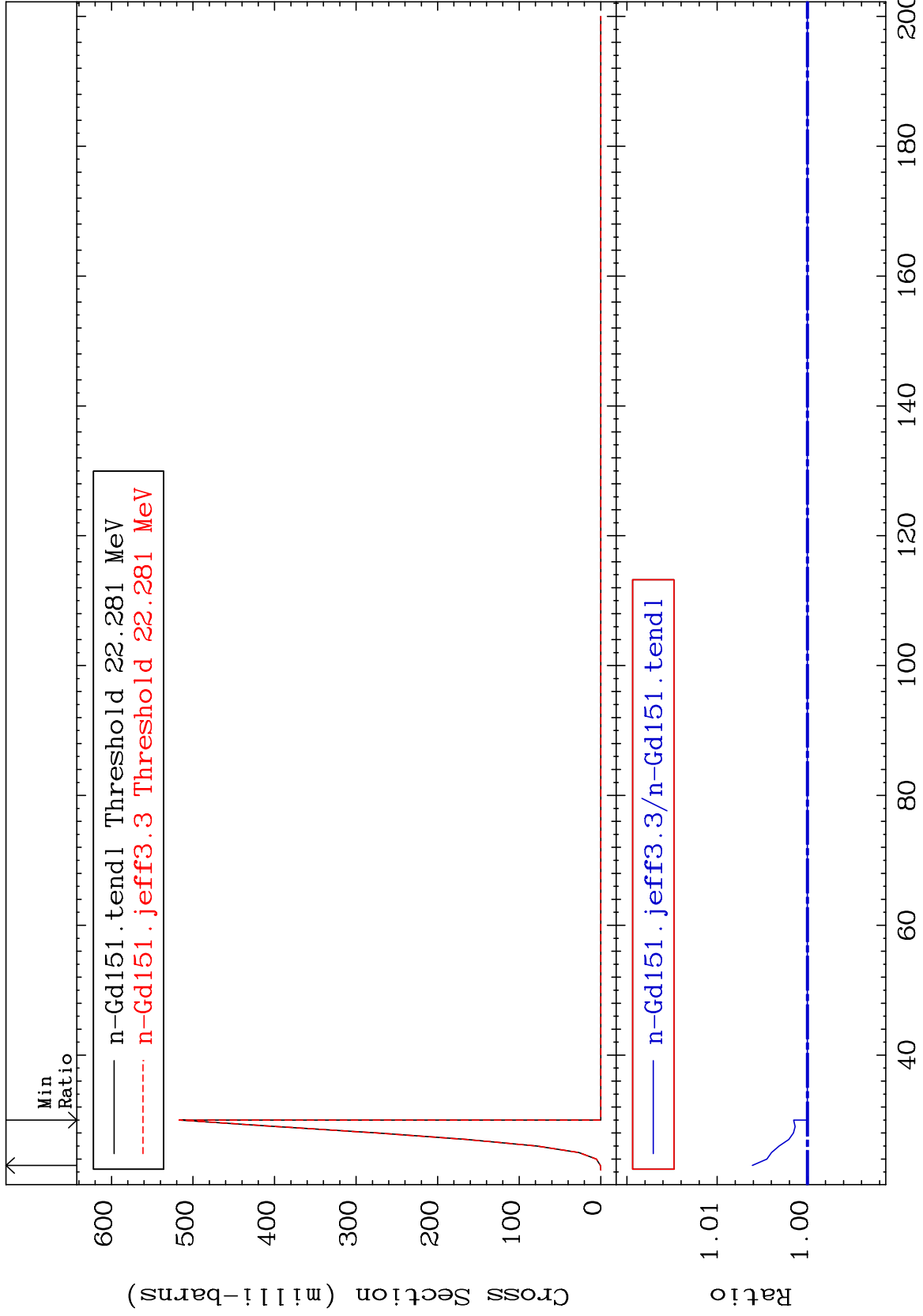
MAT 6422

(n,4n)

64-Gd-151

Cross Section

0.000 To 0.611 %

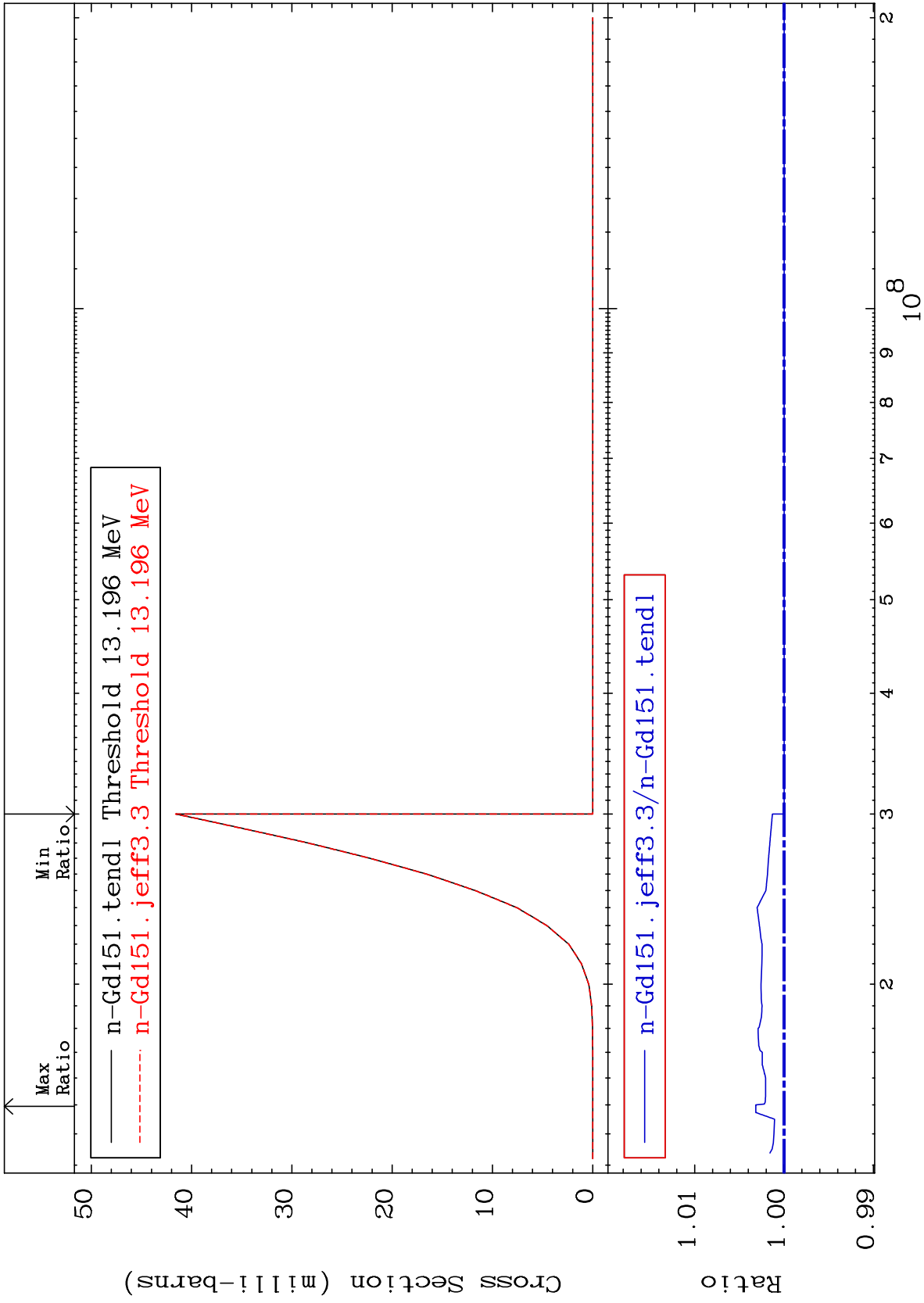




MAT 6422

(n,2n) p  
Cross Section

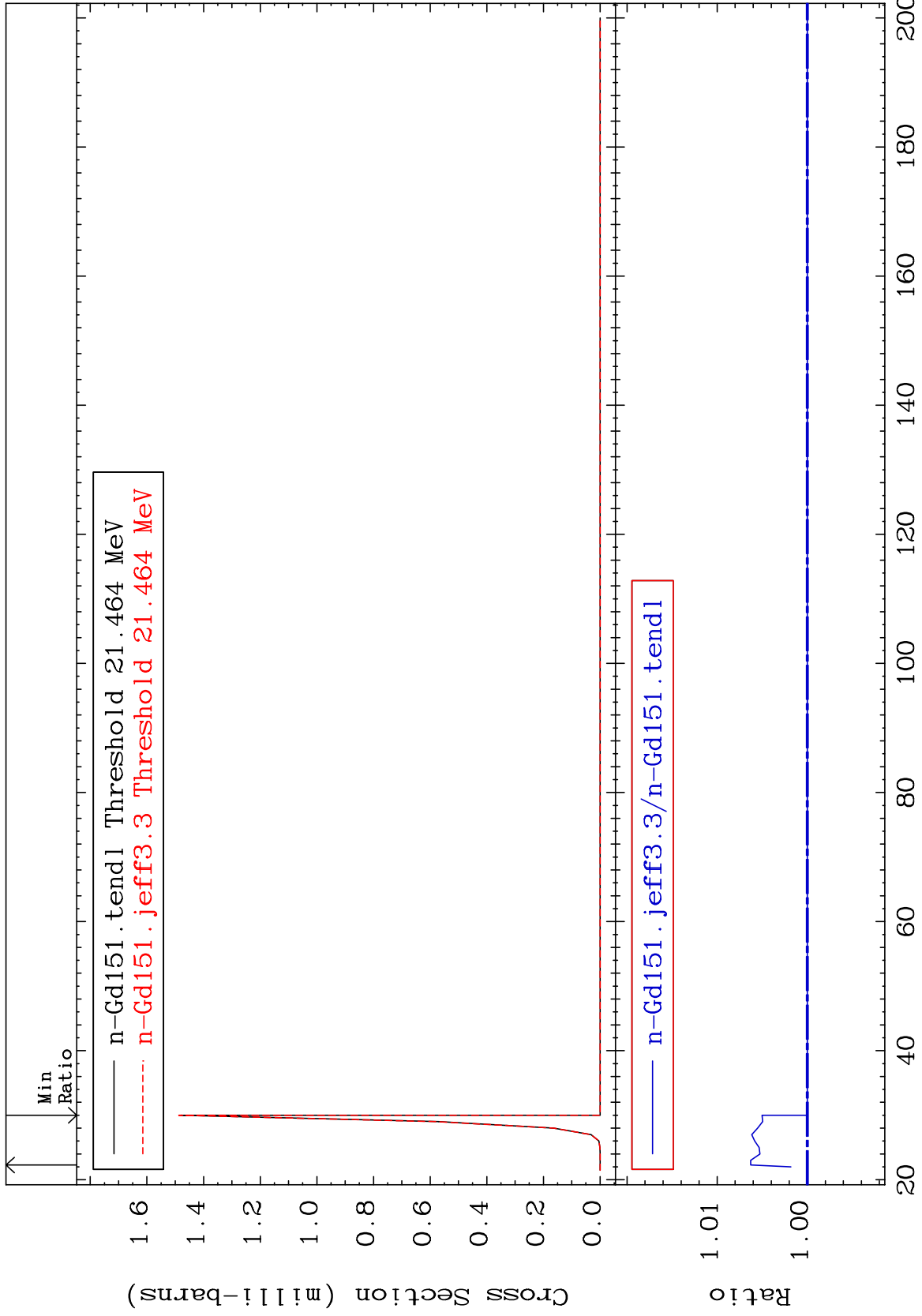
64-Gd-151  
To 0.317 %



MAT 6422

(n,3n) p  
Cross Section

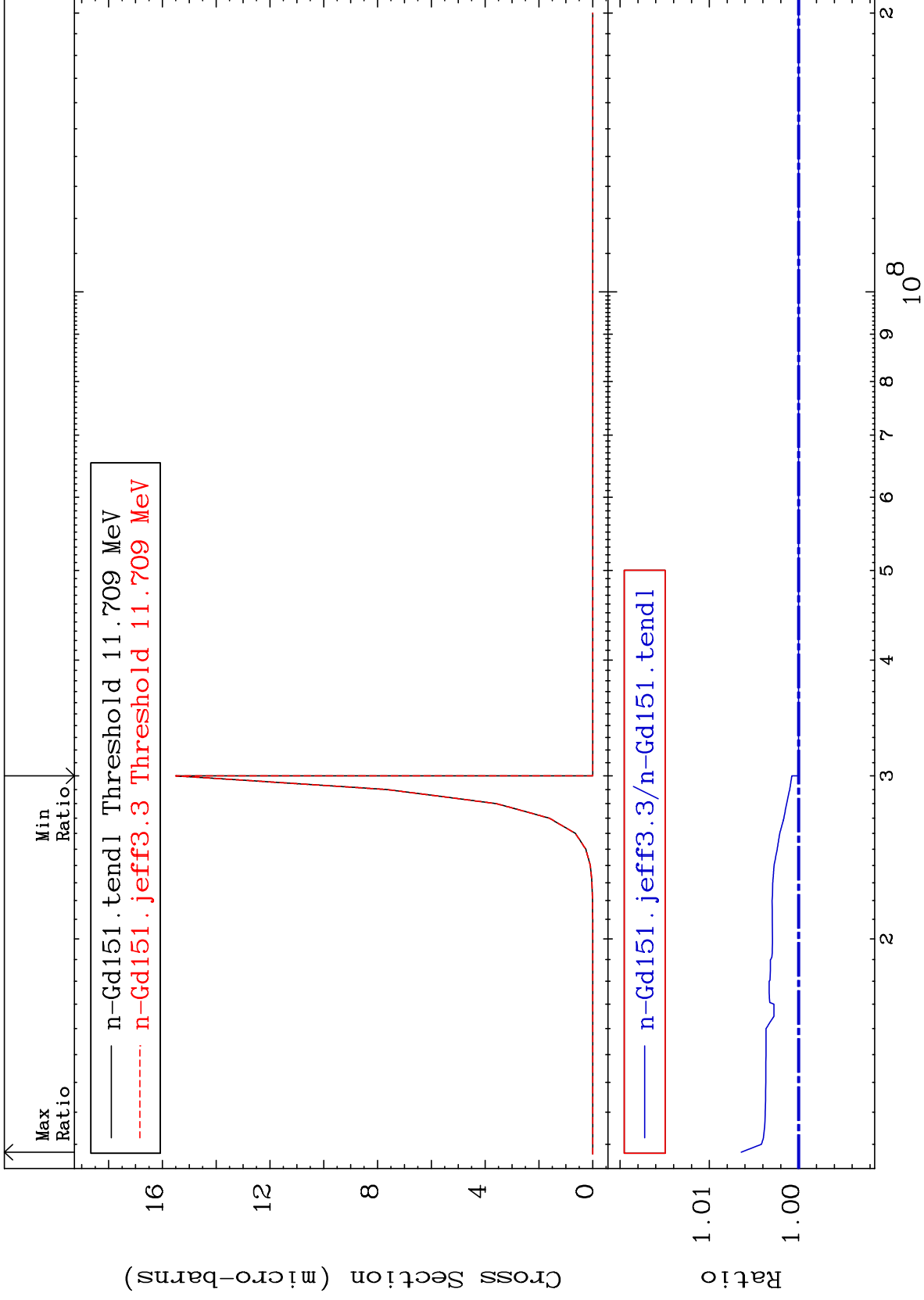
64-Gd-151  
0.000 To 0.628 %



MAT 6422

(n,2n) p  
Cross Section

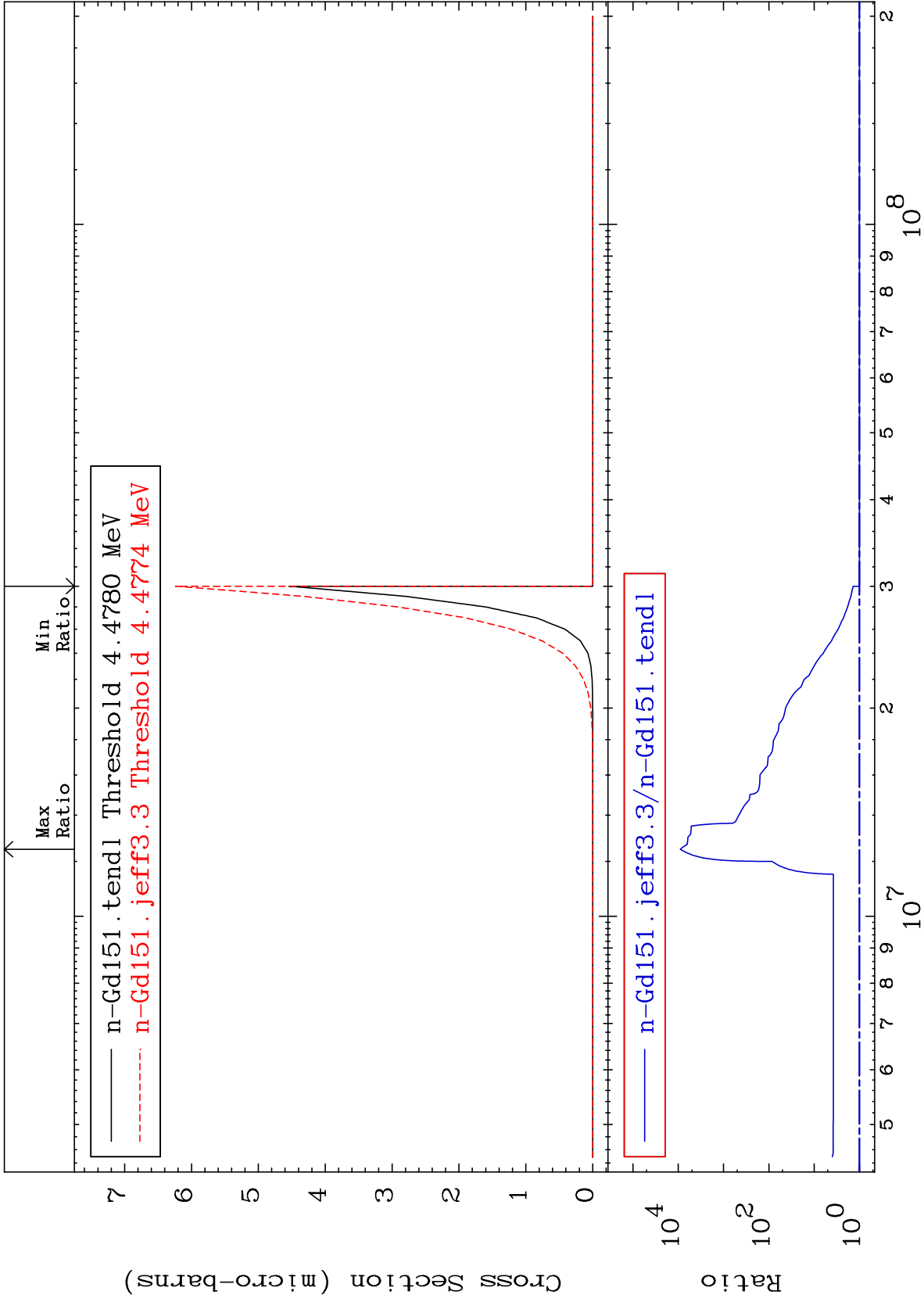
64-Gd-151  
0.000 To 0.643 %



MAT 6422

(n,n') p  $\alpha$   
Cross Section

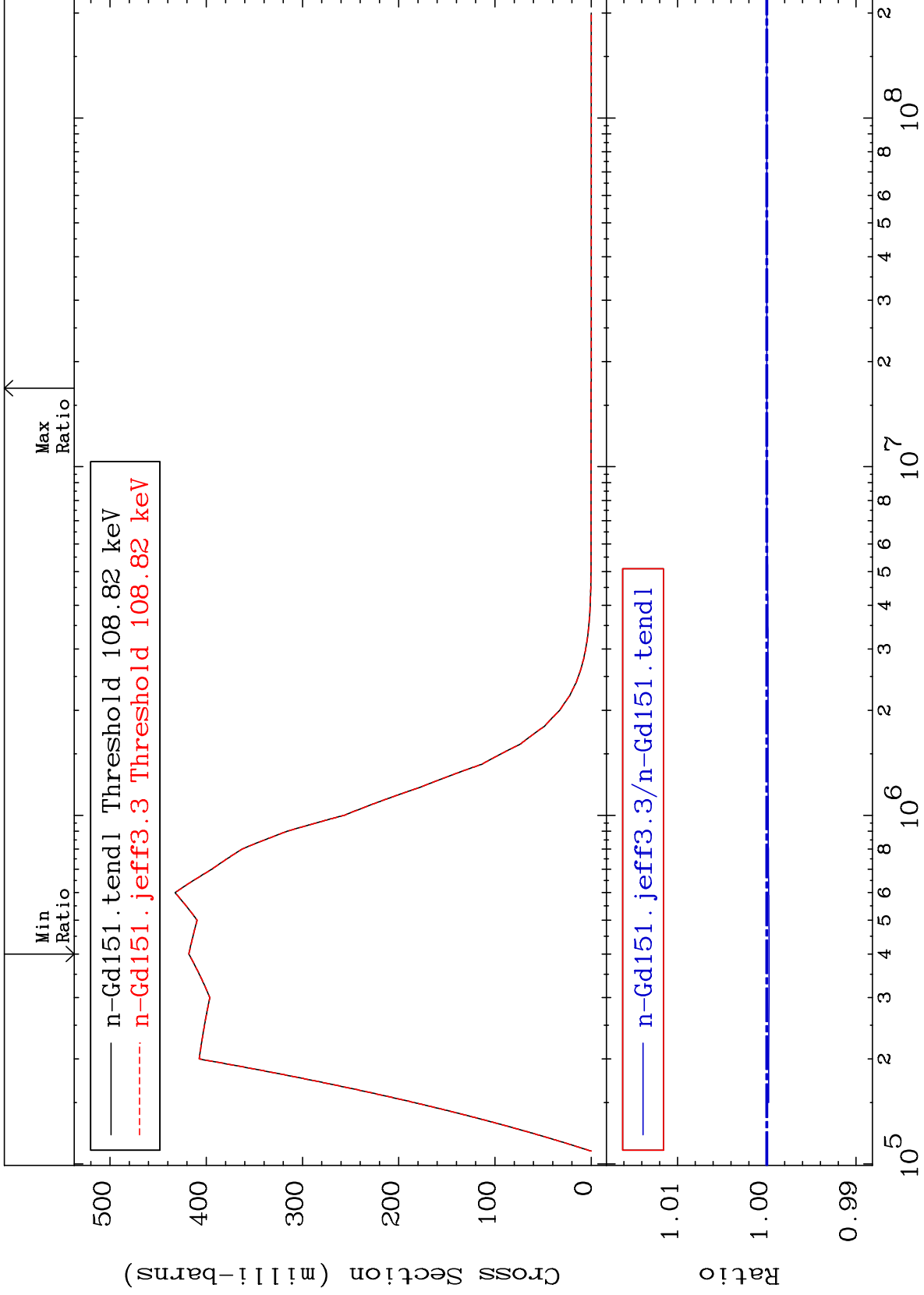
64-Gd-151  
To 9999. %



MAT 6422

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

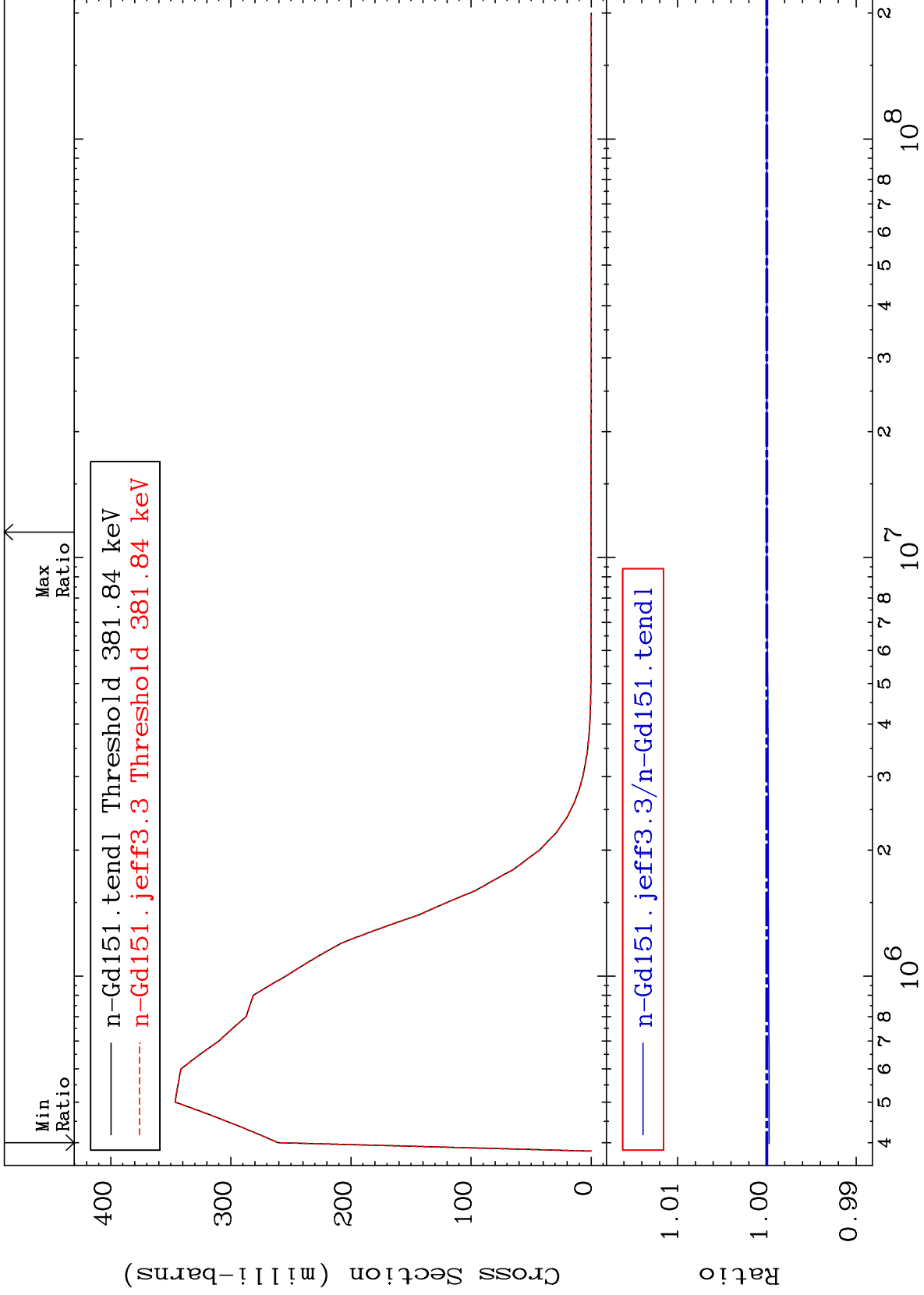
64-Gd-151  
-0.026 To 0.000 %

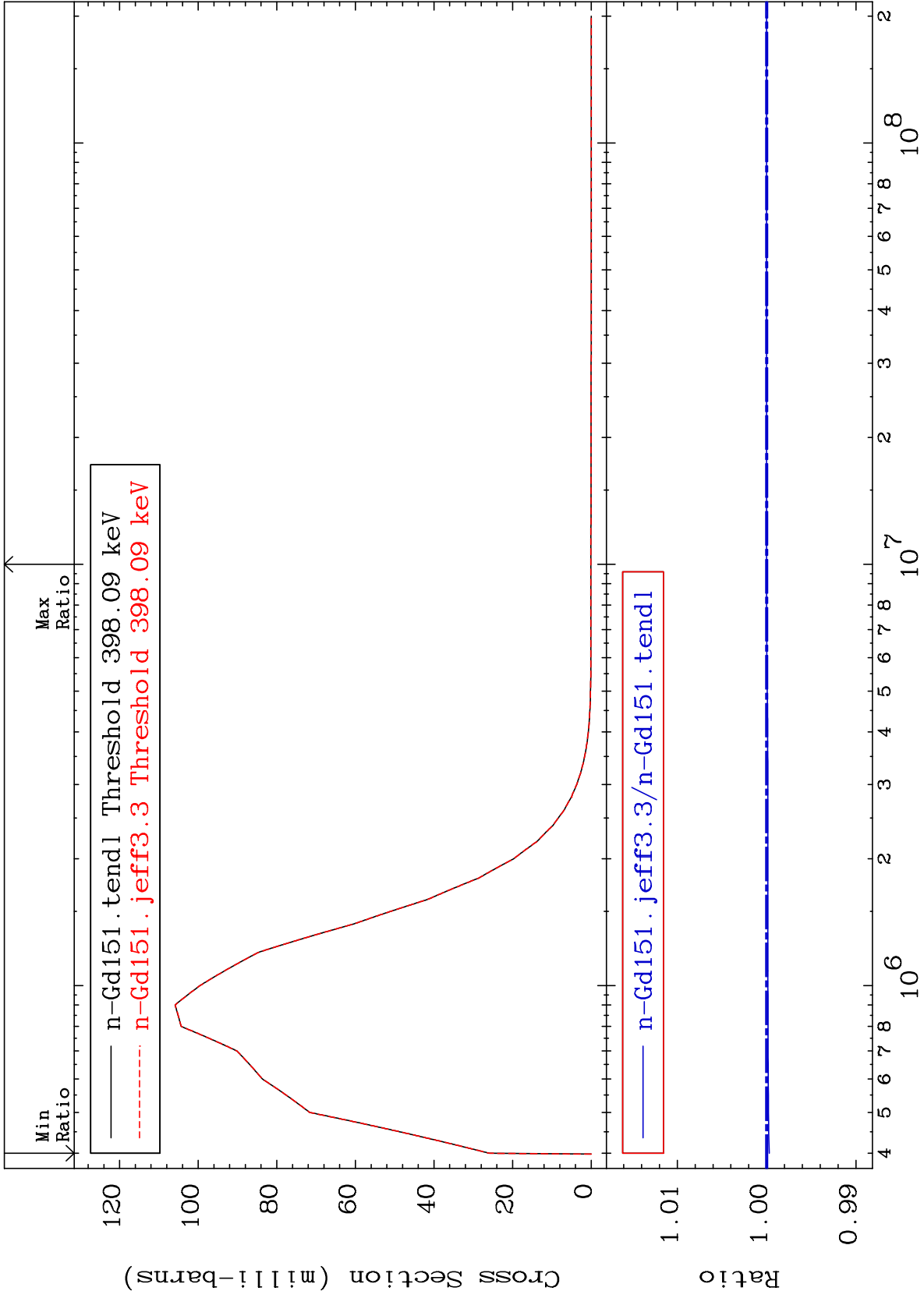


MAT 6422

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

64-Gd-151  
-0.026 To 0.000 %

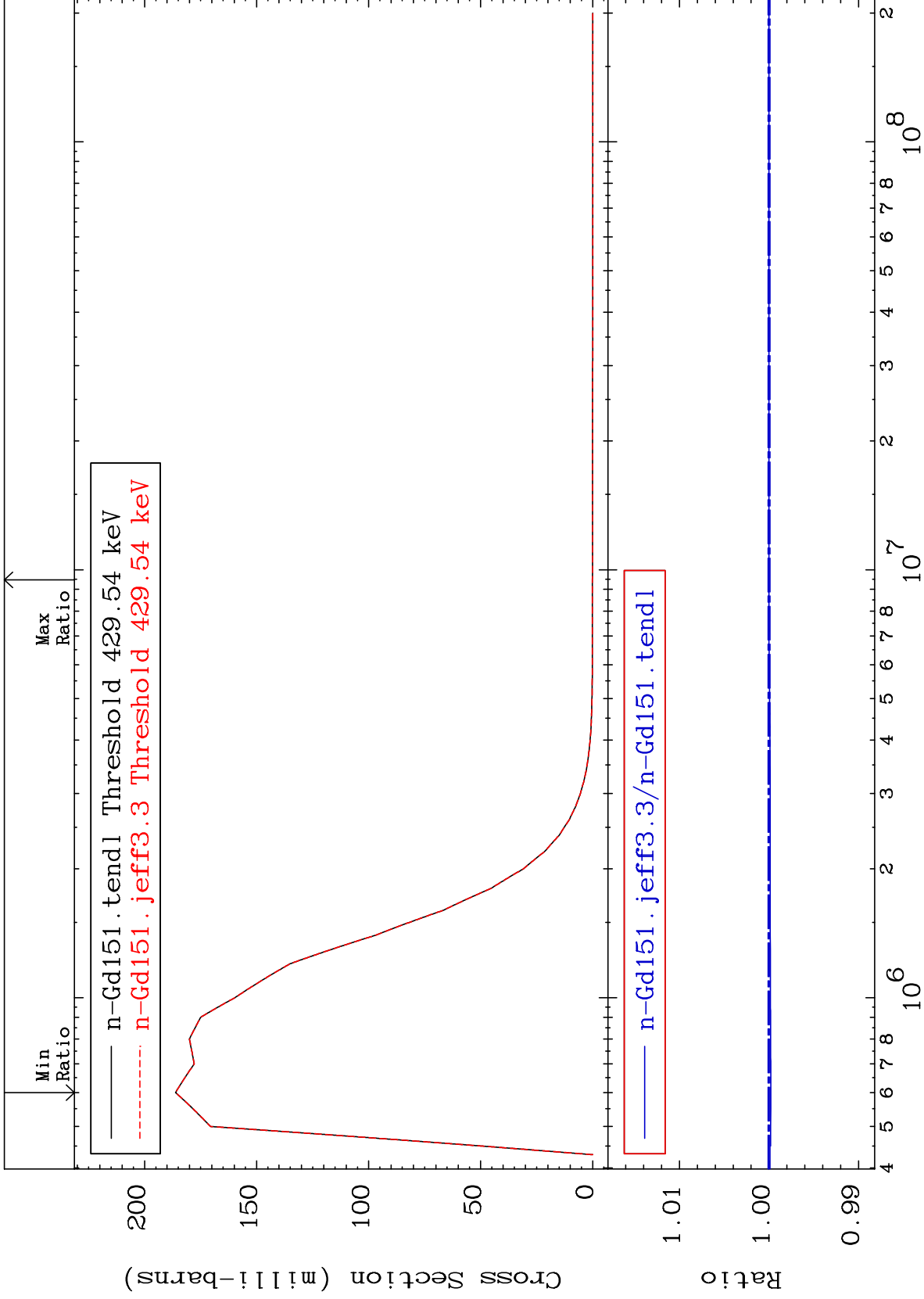




MAT 6422

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

64-Gd-151  
-0.020 To 0.000 %

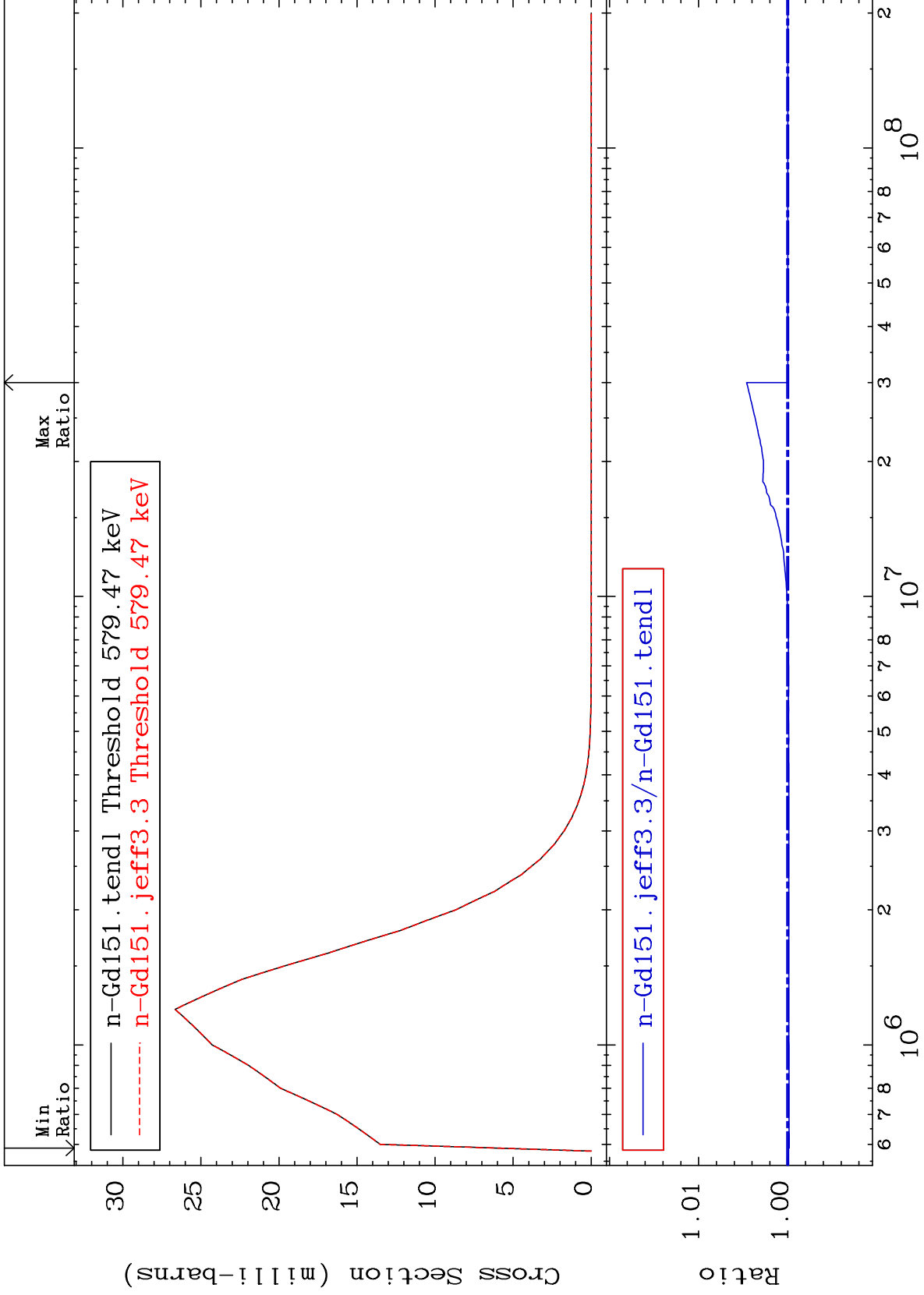




MAT 6422

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

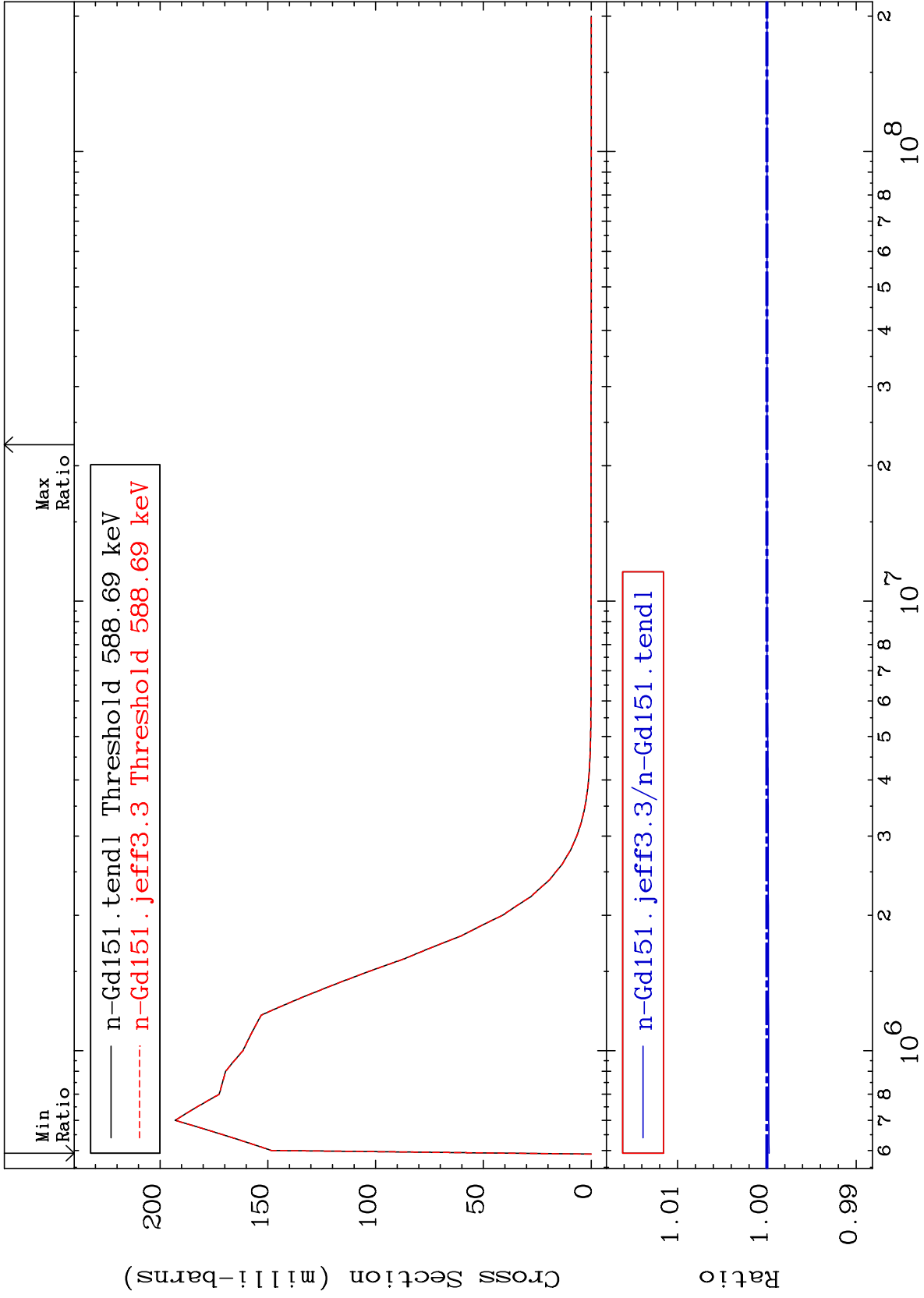
64-Gd-151  
-0.017 To 0.461 %



MAT 6422

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

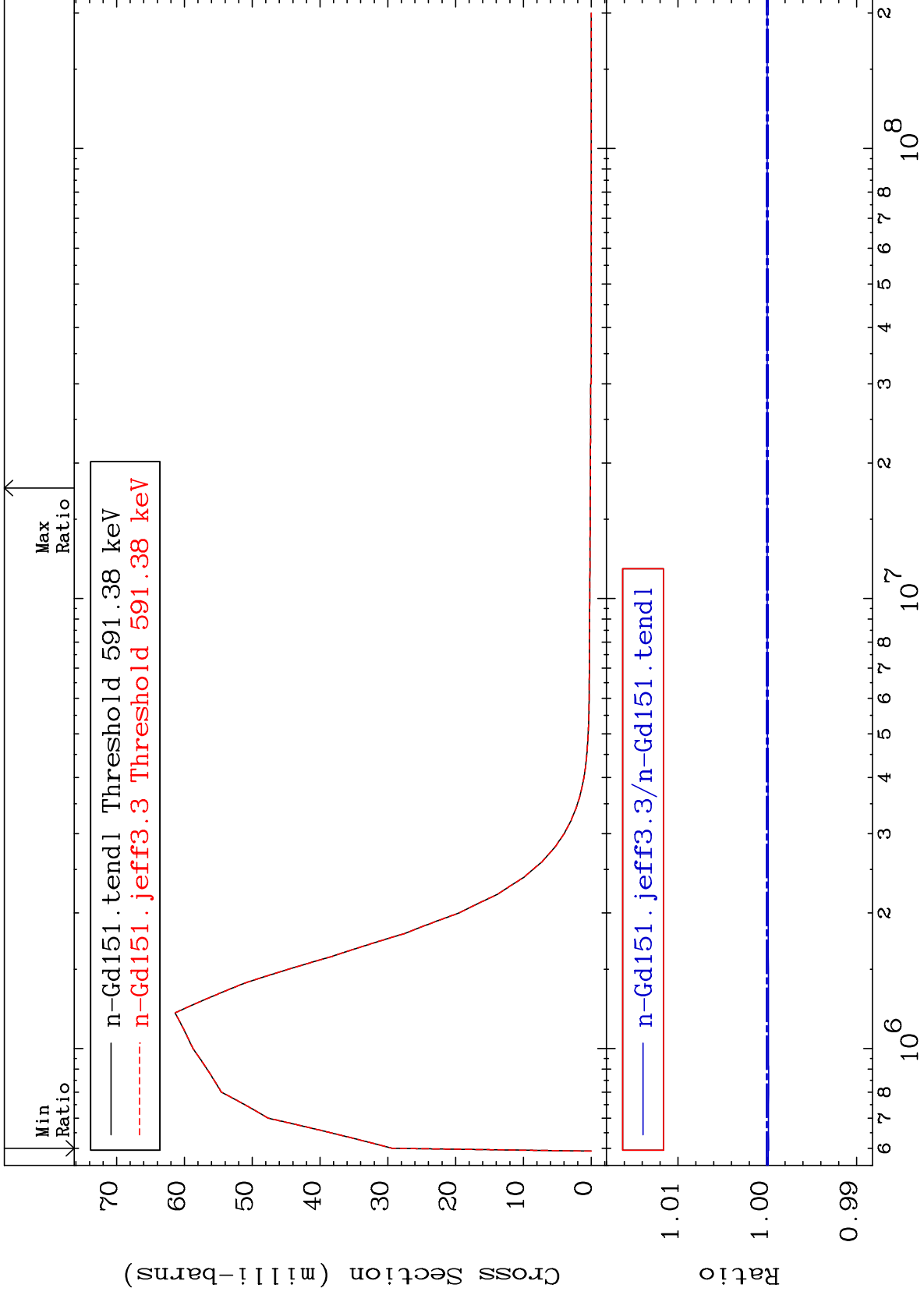
64-Gd-151  
-0.023 To 0.000 %



MAT 6422

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

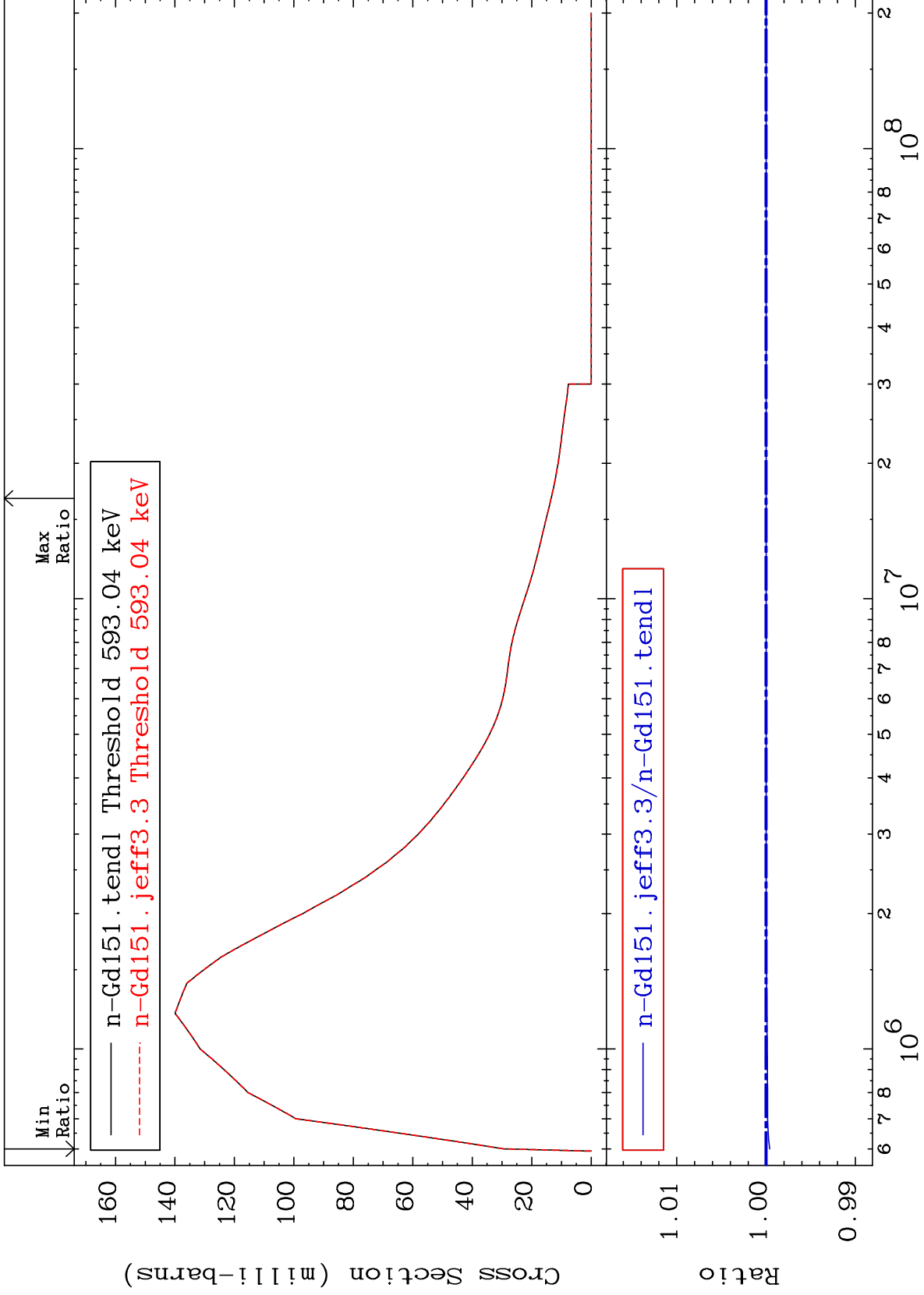
64-Gd-151  
-0.016 To 0.000 %



MAT 6422

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

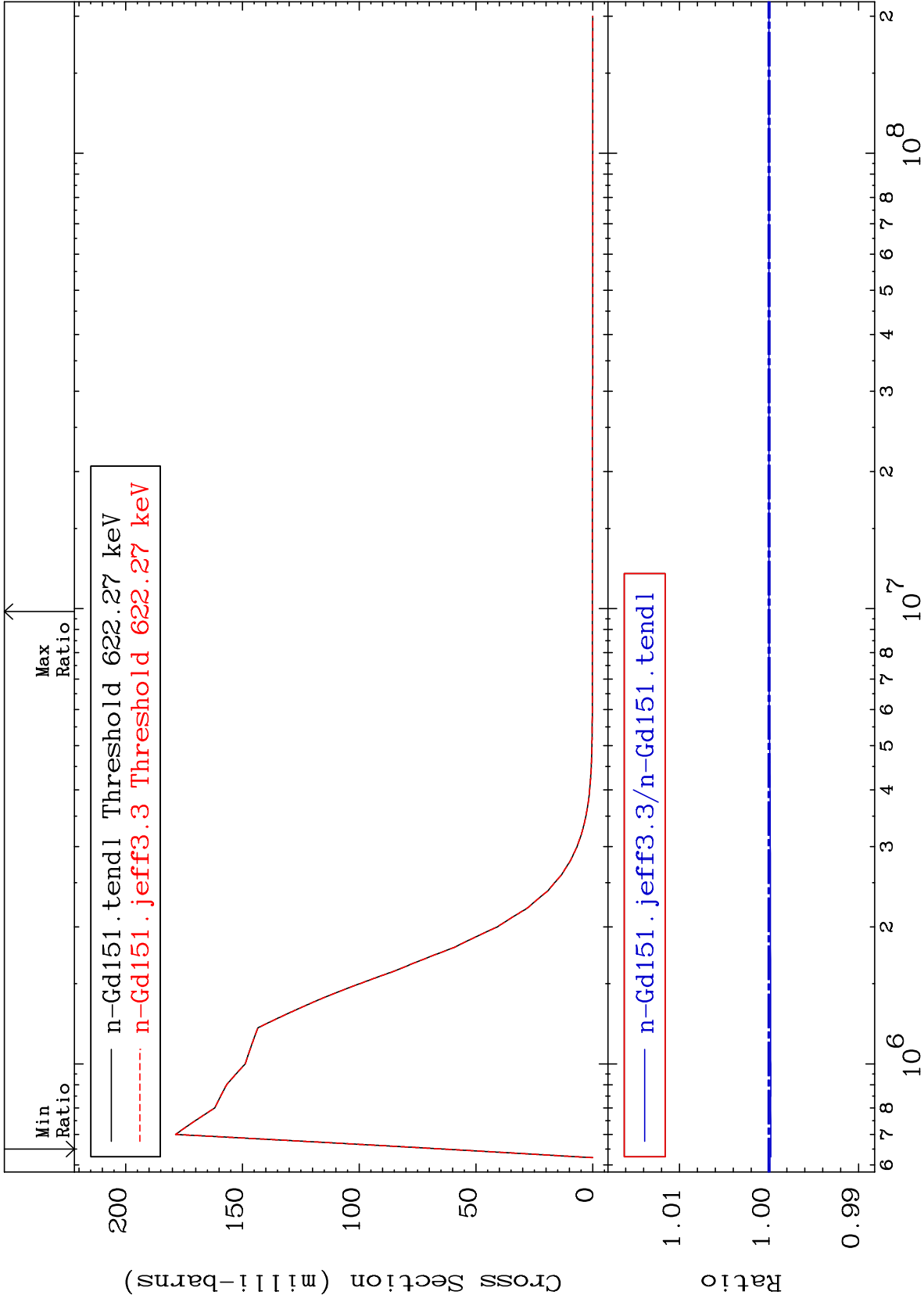
64-Gd-151  
-0.041 To 0.000 %



MAT 6422

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

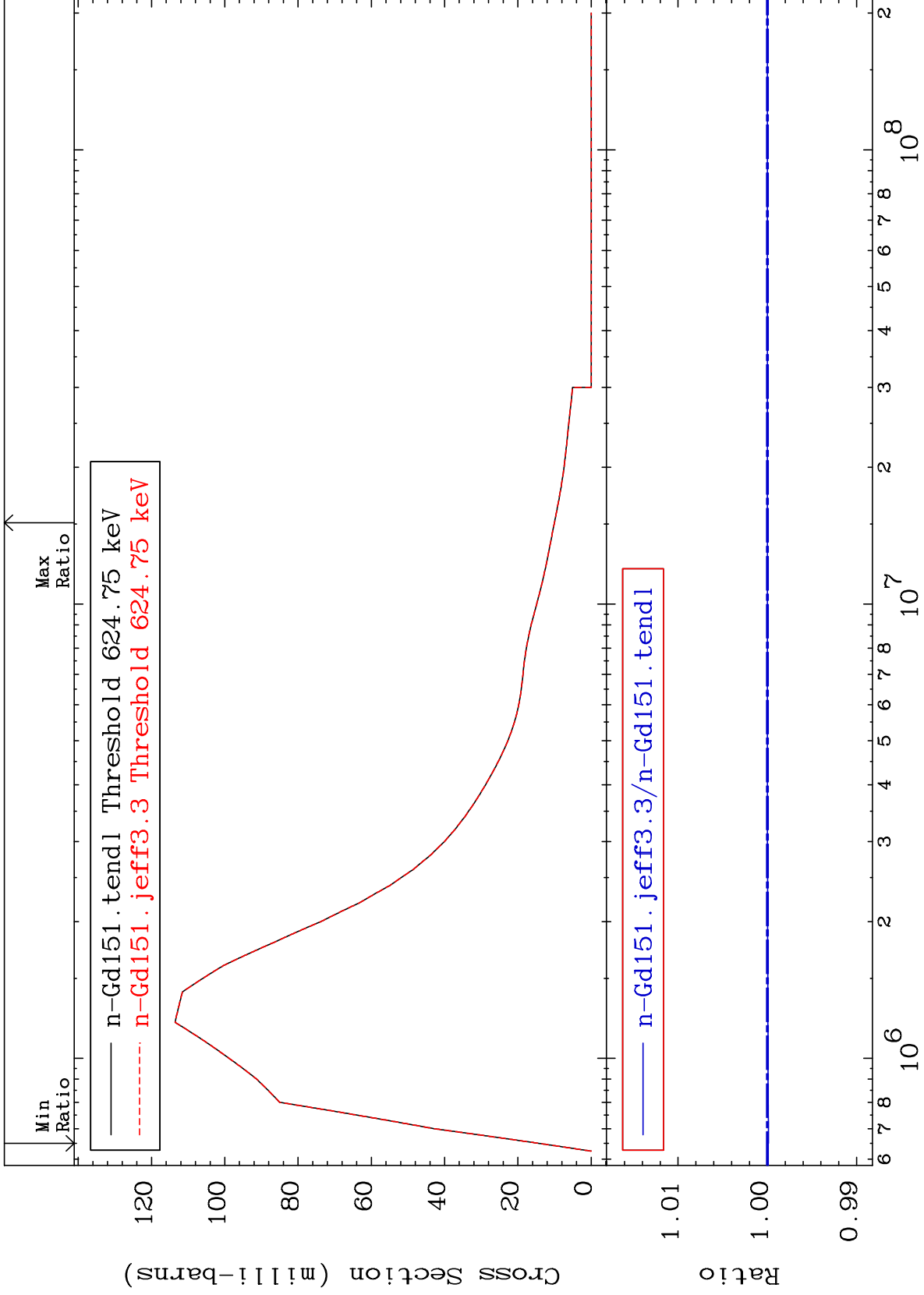
64-Gd-151  
-0.020 To 0.000 %



MAT 6422

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

64-Gd-151  
-0.013 To 0.000 %



30

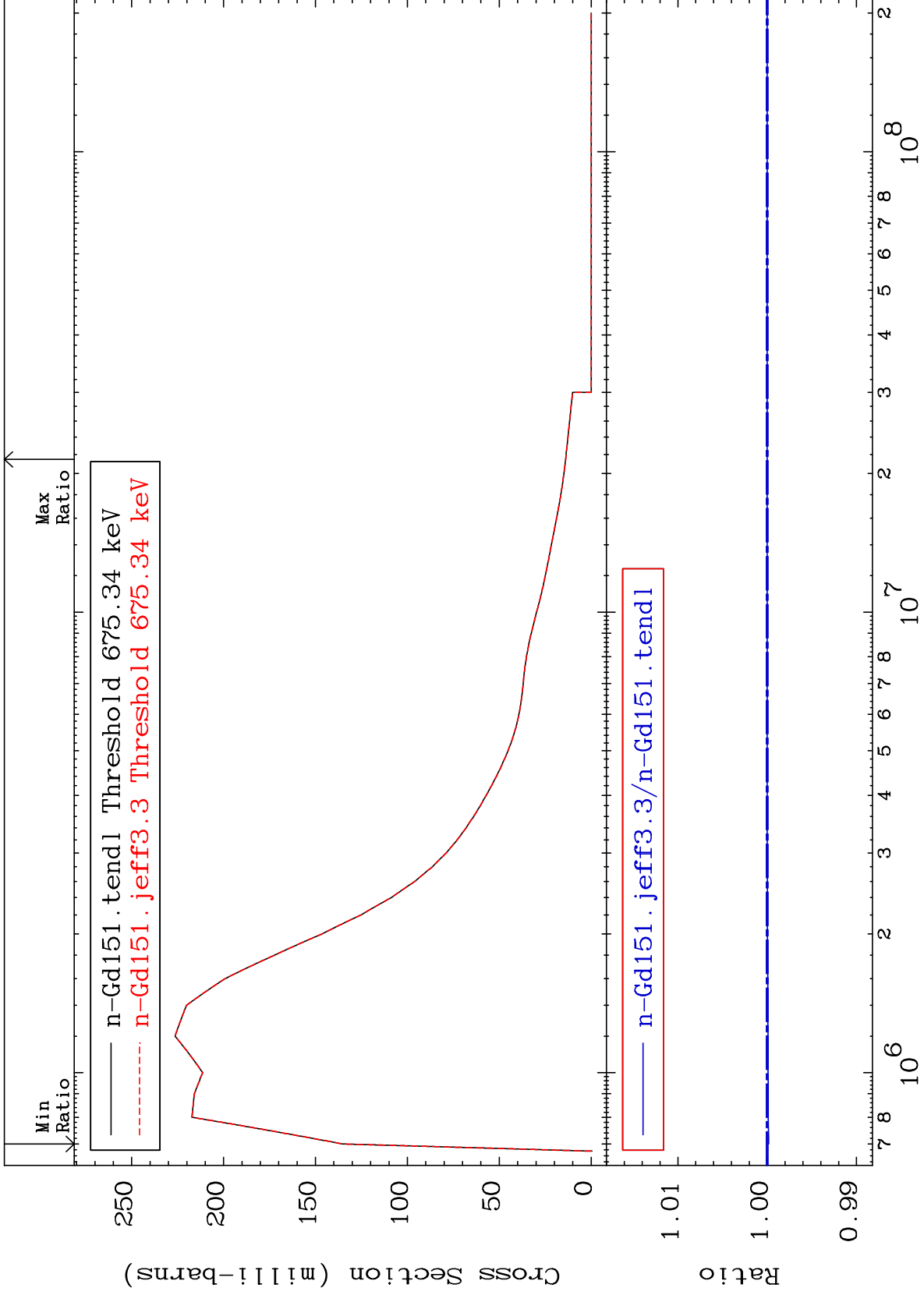
Incident Energy (eV)

64-Gd-151

MAT 6422

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

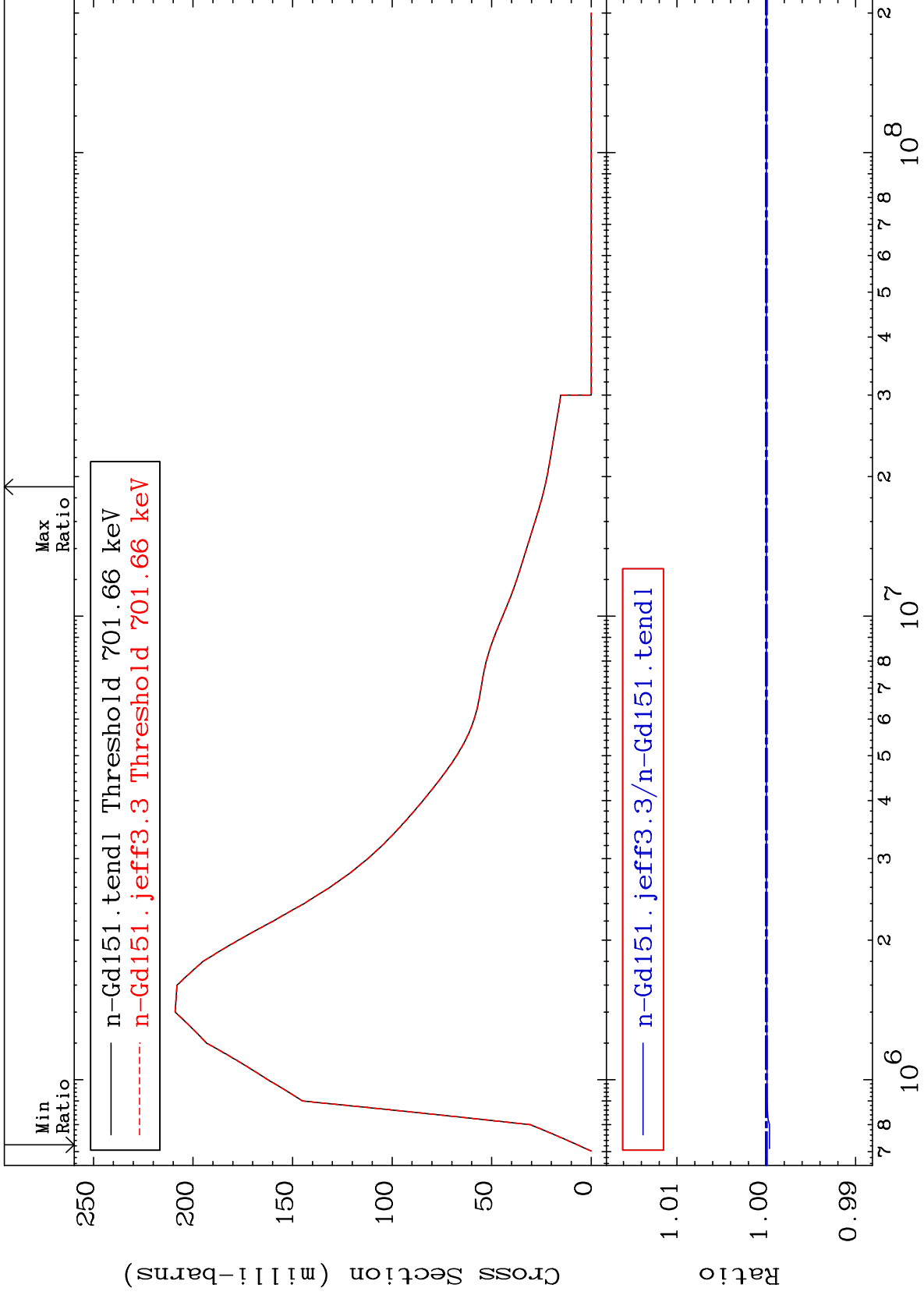
64-Gd-151  
-0.017 To 0.000 %



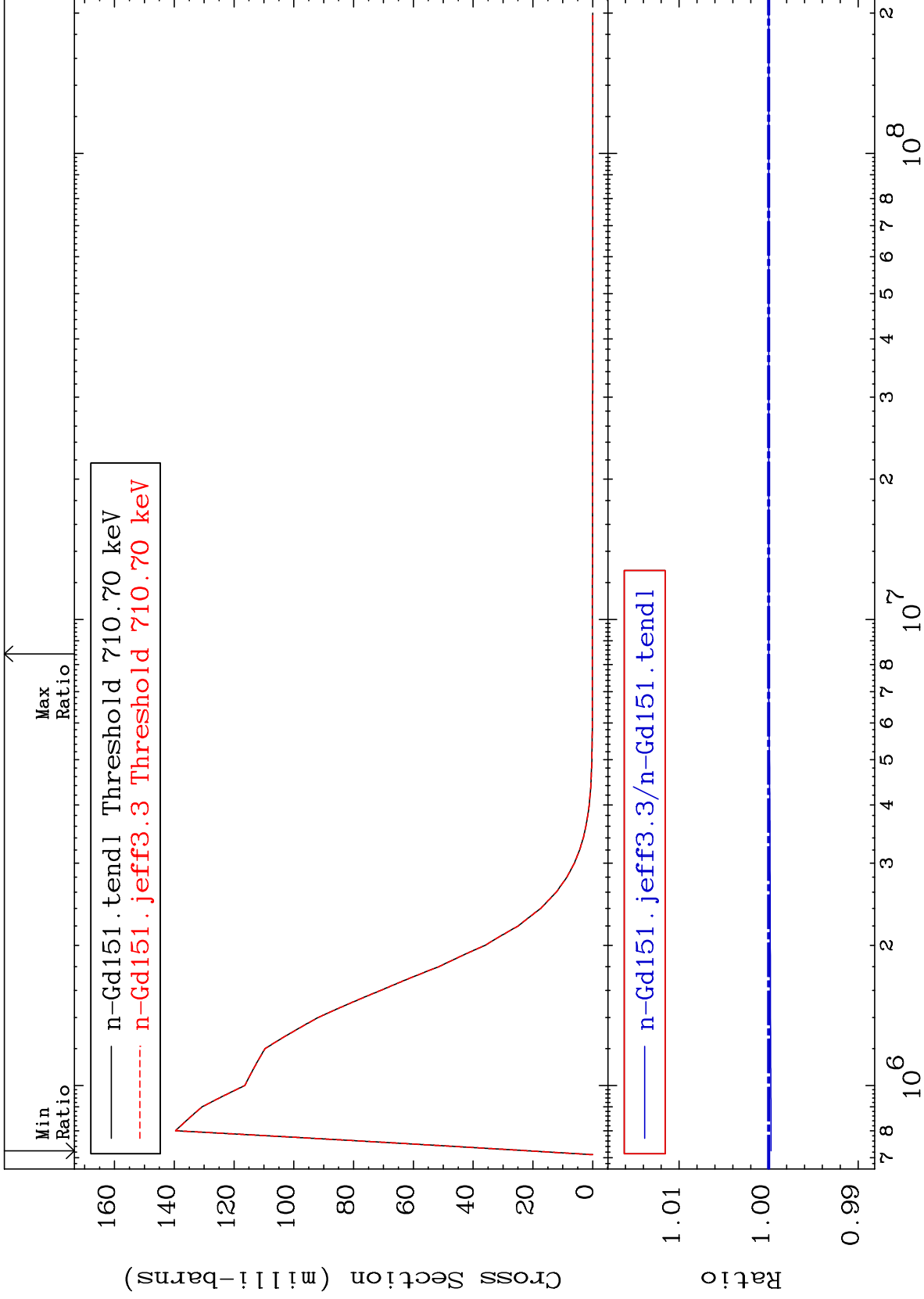
MAT 6422

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

64-Gd-151  
-0.036 To 0.000 %



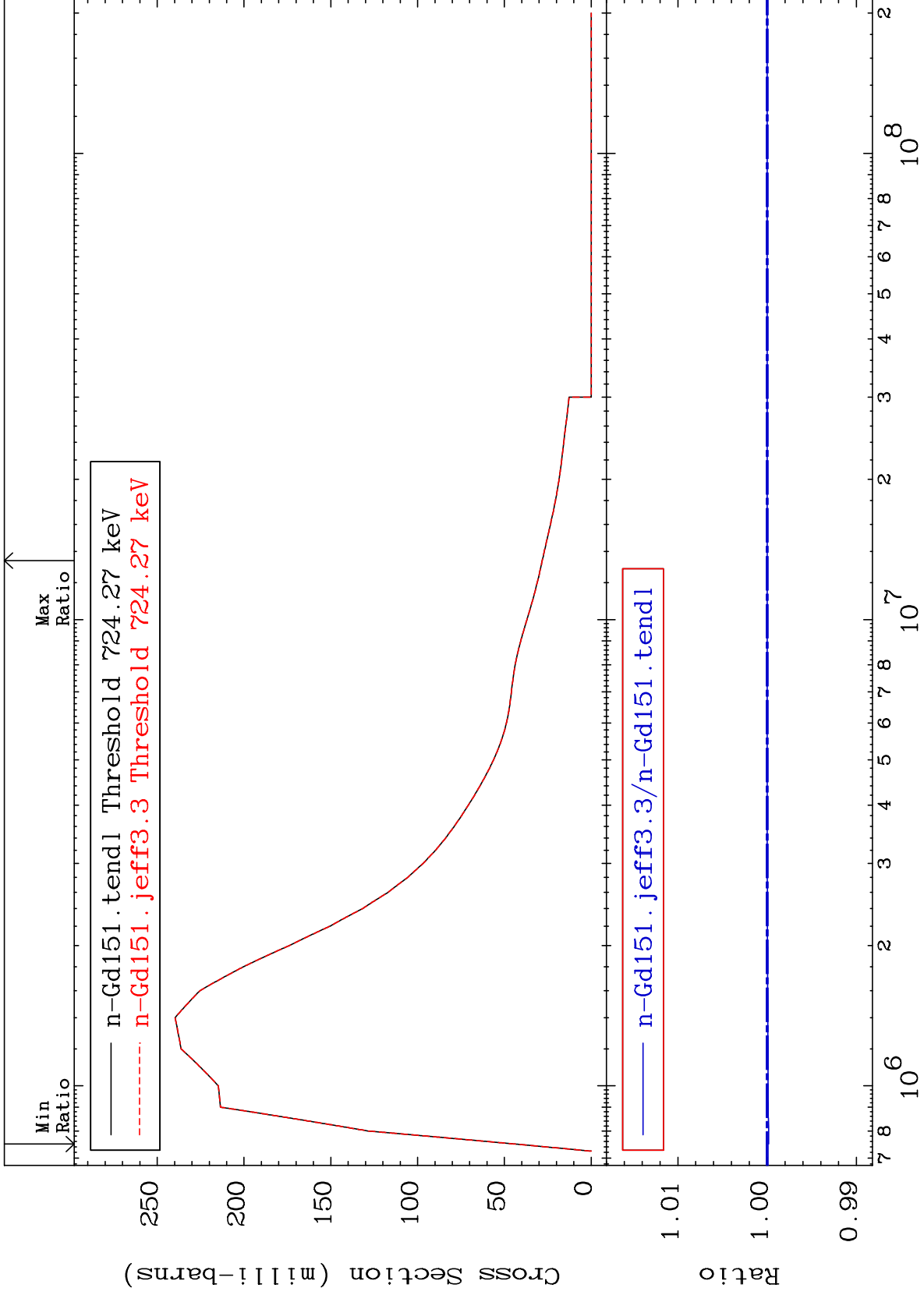




MAT 6422

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

64-Gd-151  
-0.017 To 0.000 %



34

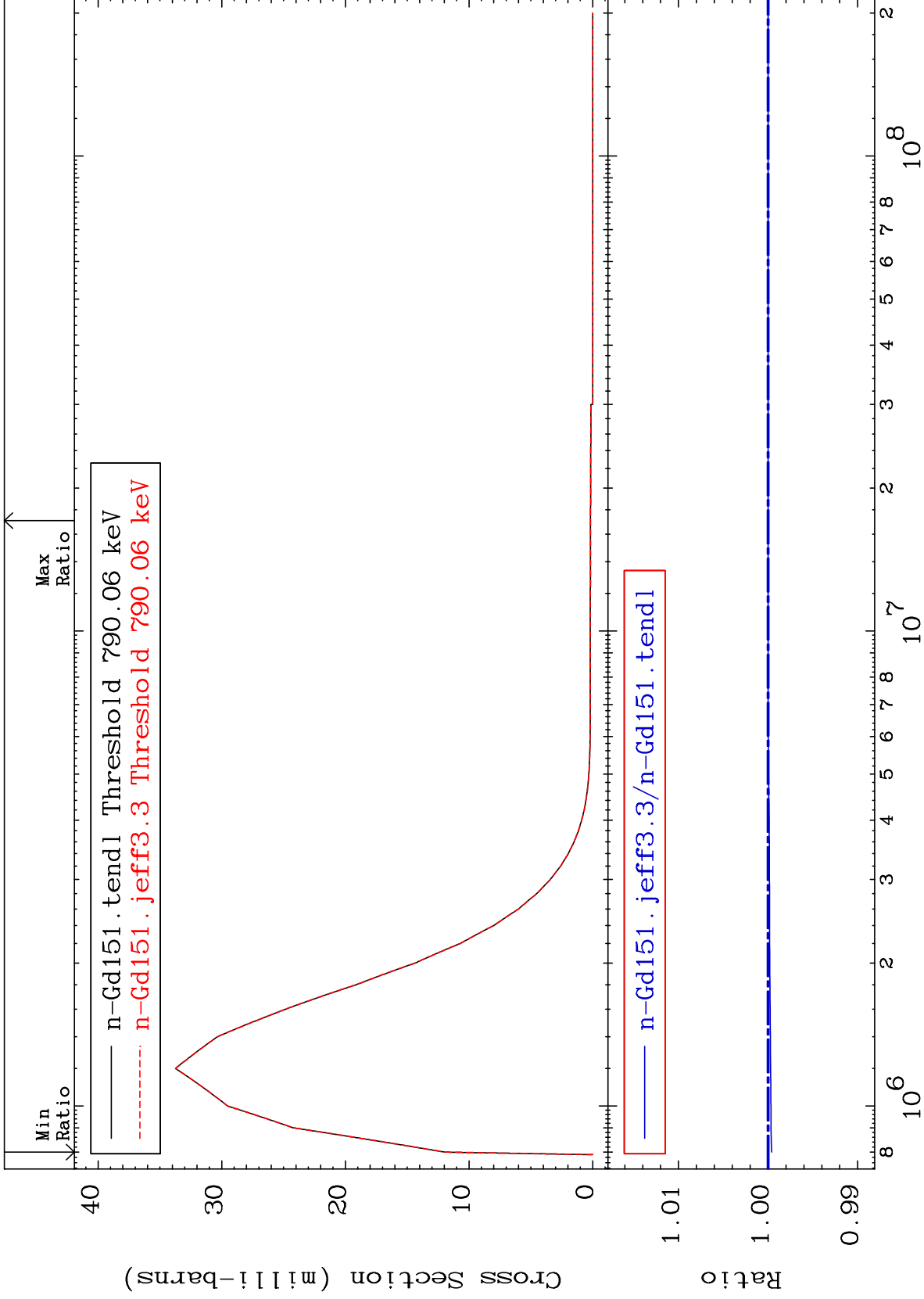
Incident Energy (eV)

64-Gd-151

MAT 6422

MT= 65 (n,n') Level  
Cross Section

64-Gd-151  
-0.041 To 0.000 %



35

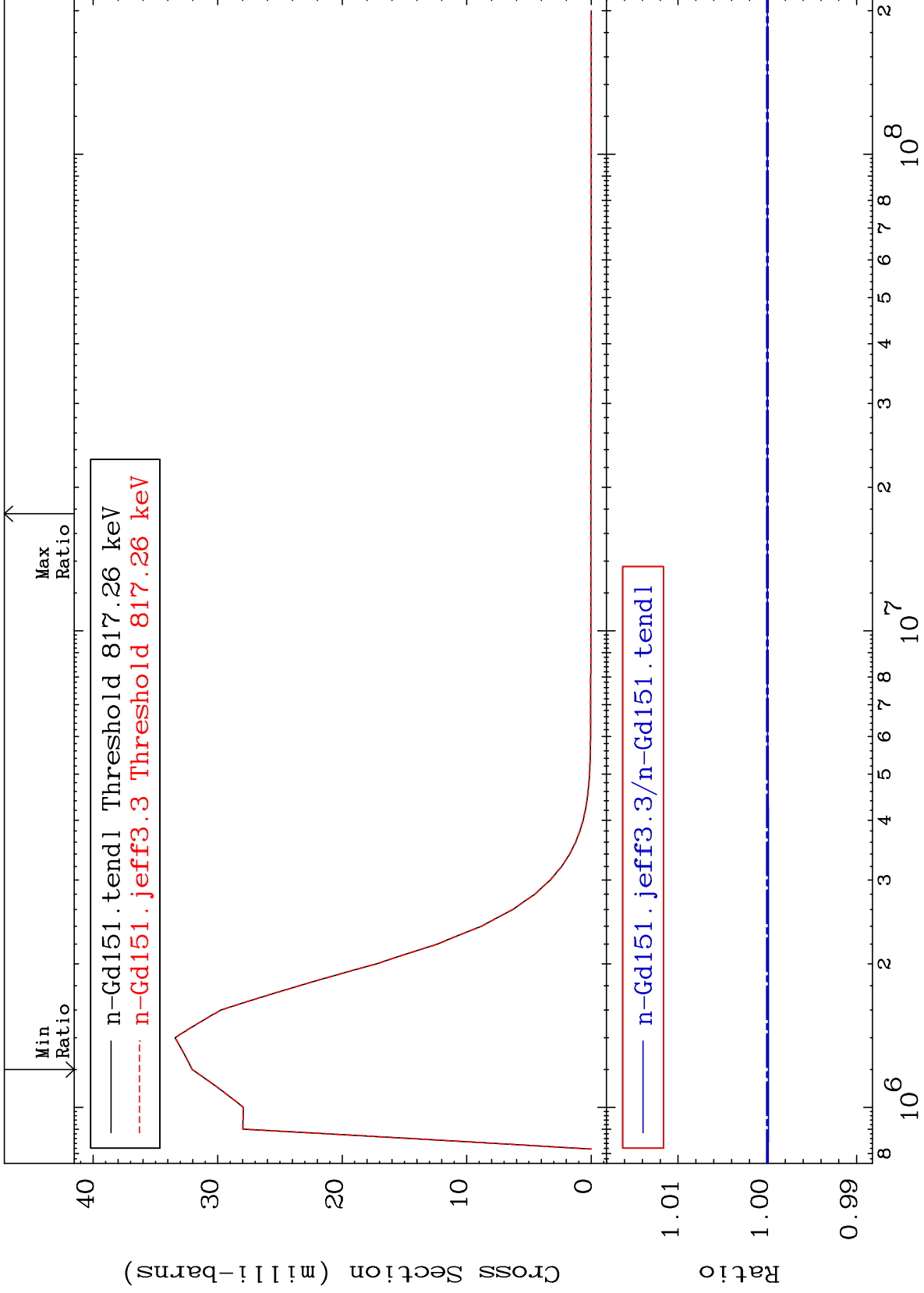
Incident Energy (eV)

64-Gd-151

MAT 6422

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

64-Gd-151  
-0.013 To 0.000 %



36

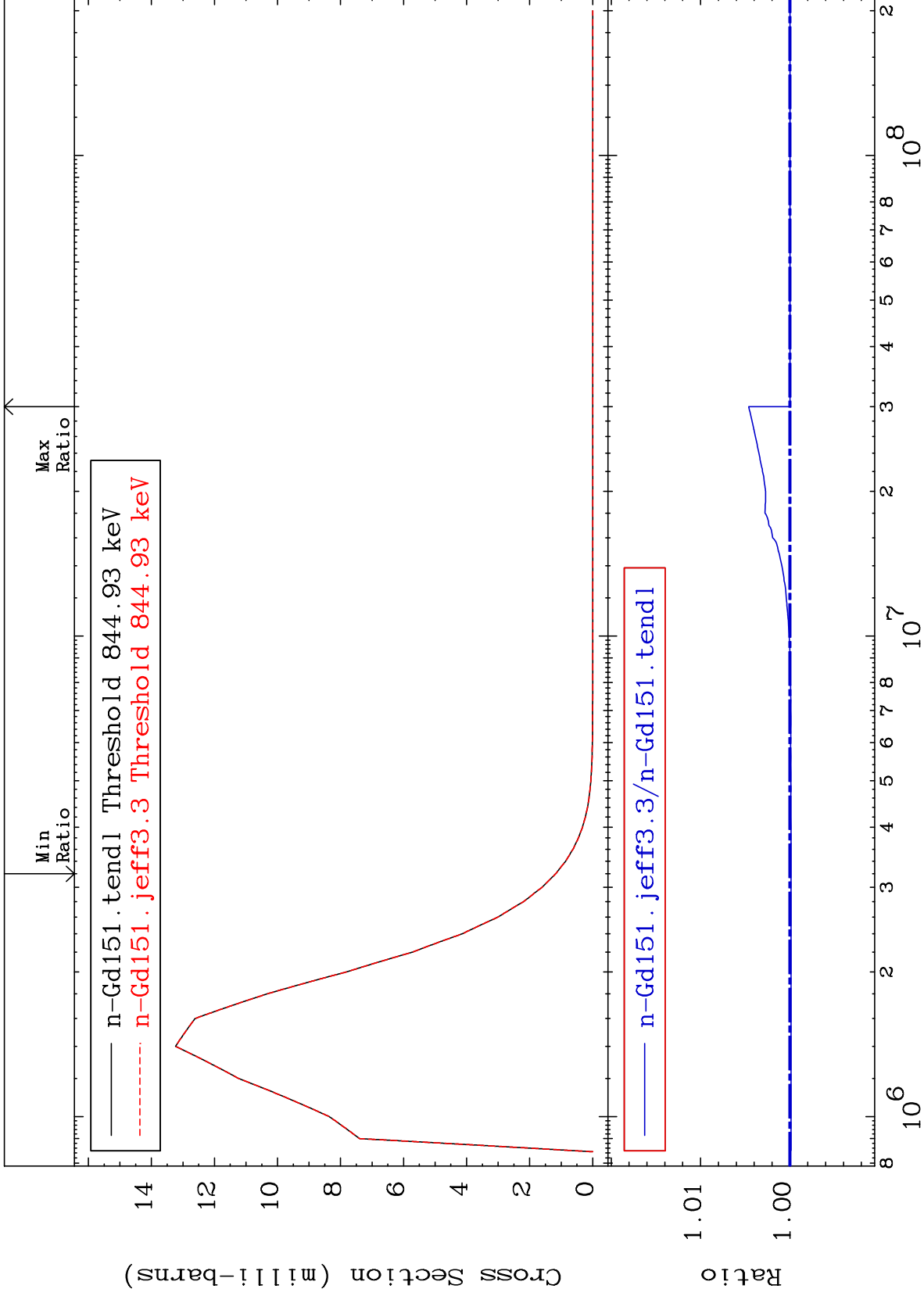
Incident Energy (eV)

64-Gd-151

MAT 6422

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

64-Gd-151  
-0.013 To 0.461 %



37

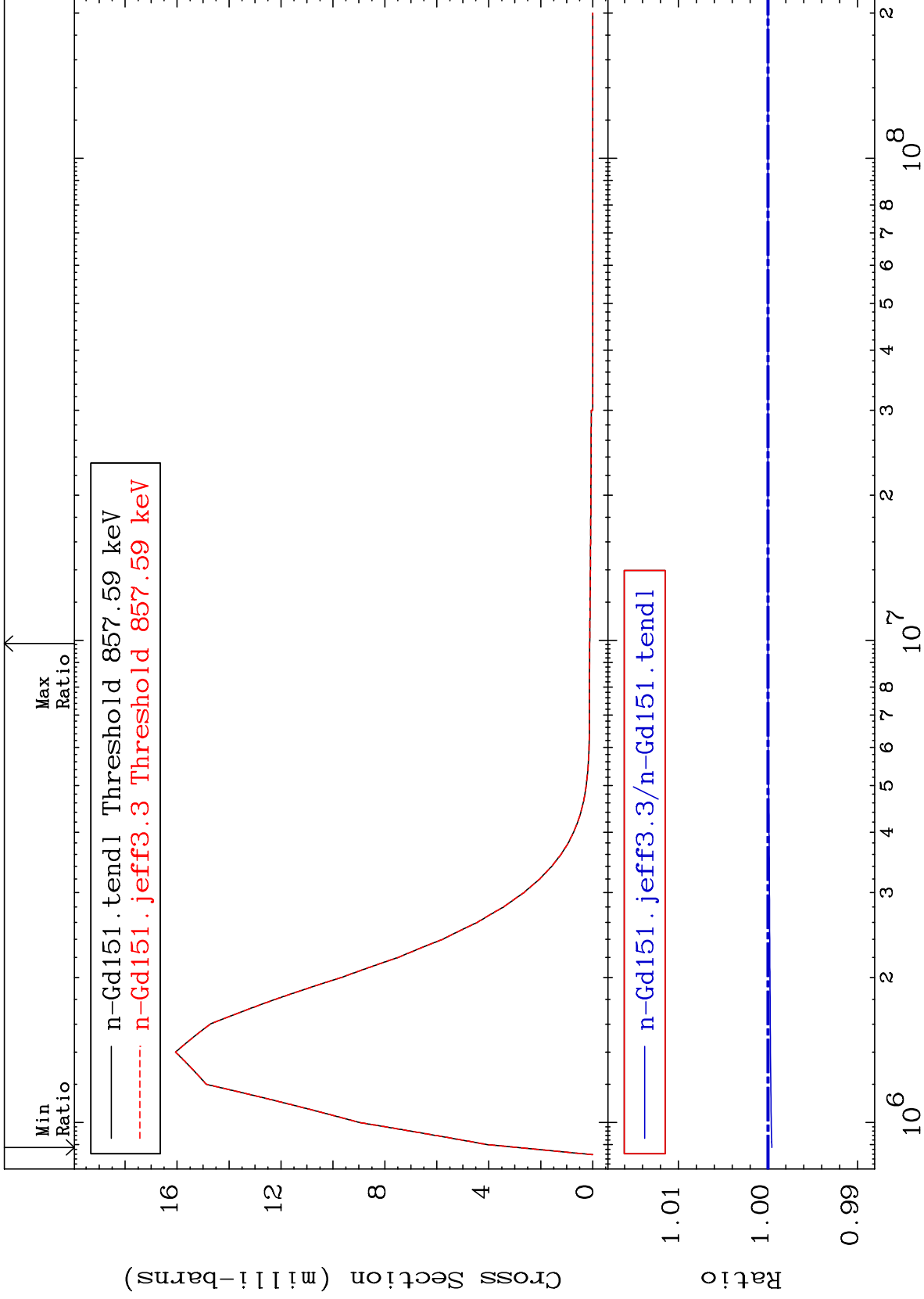
Incident Energy (eV)

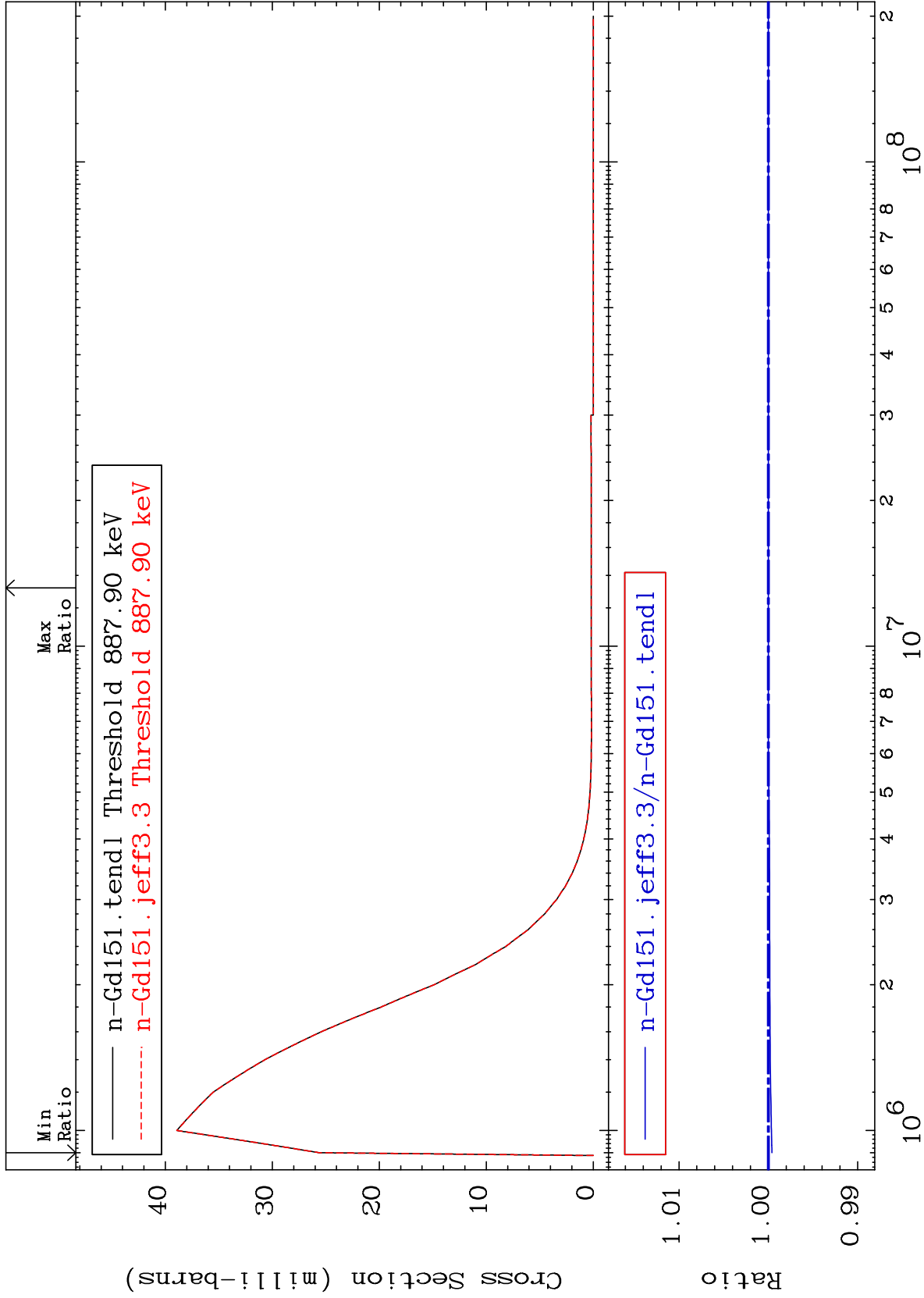
64-Gd-151

MAT 6422

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

64-Gd-151  
-0.043 To 0.000 %

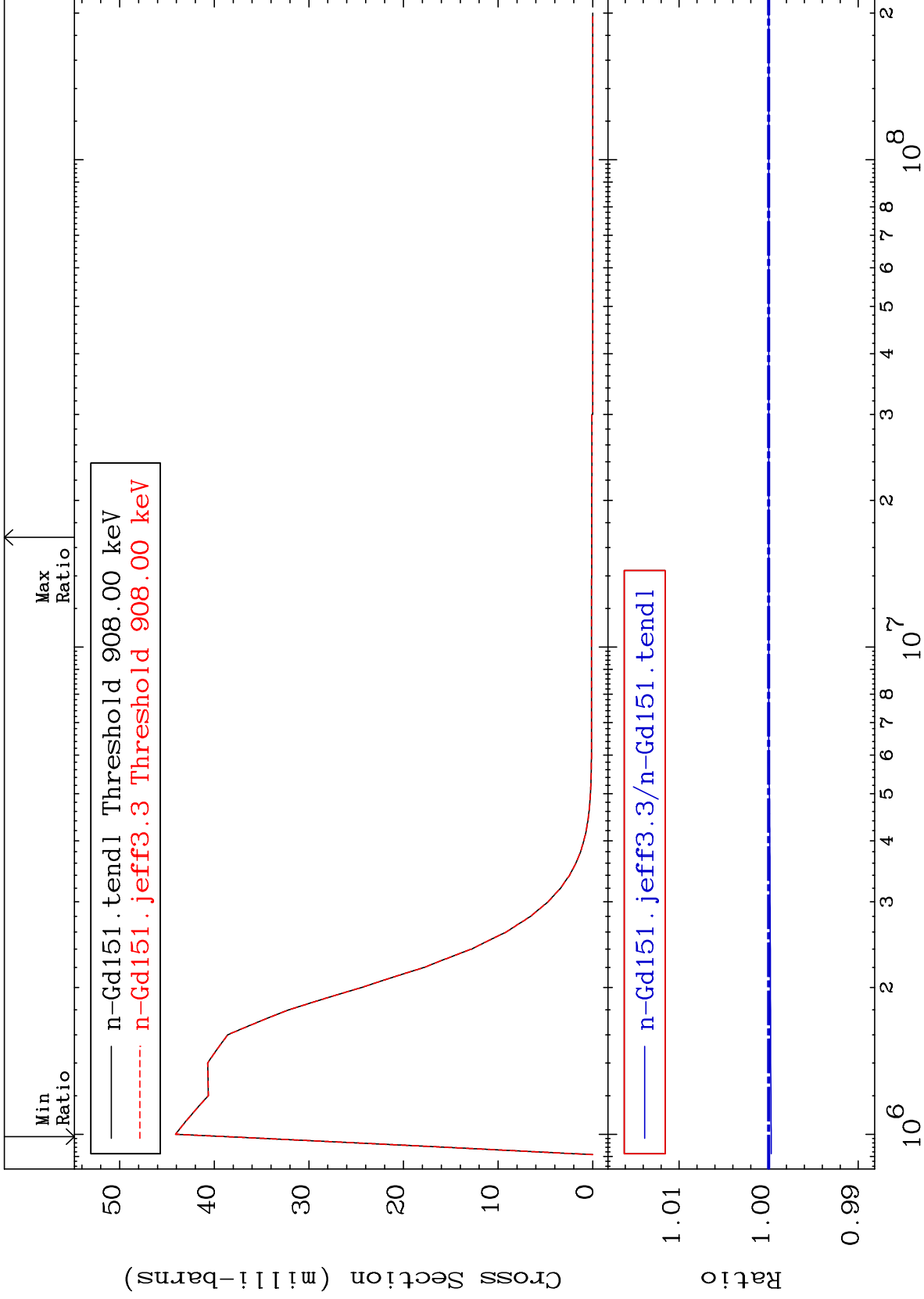




MAT 6422

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

64-Gd-151  
-0.028 To 0.000 %



Incident Energy (eV)

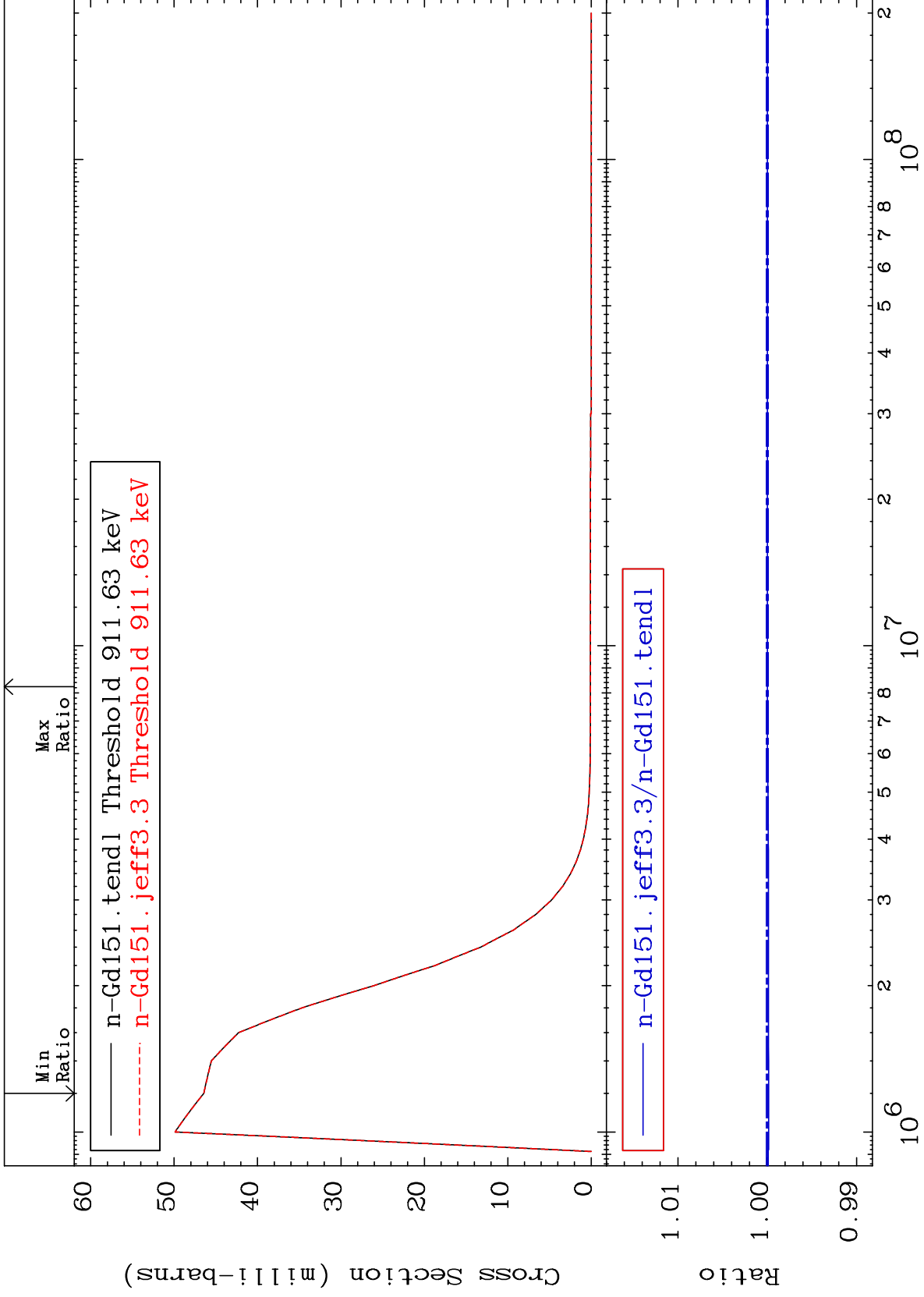
64-Gd-151



MAT 6422

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

64-Gd-151  
-0.014 To 0.000 %



41

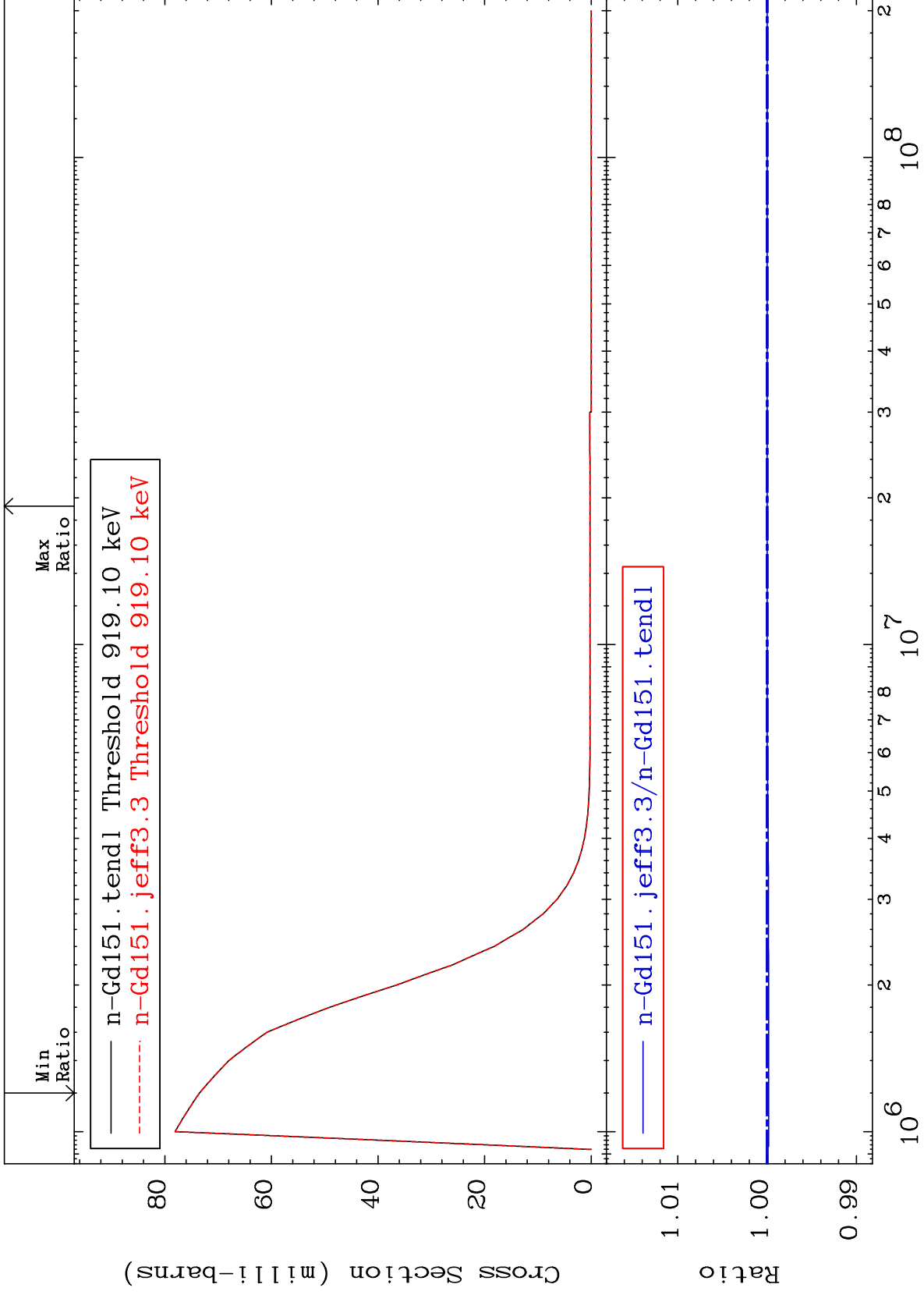
Incident Energy (eV)

64-Gd-151

MAT 6422

MT= 72 (n,n') Level  
Cross Section

64-Gd-151  
-0.017 To 0.000 %



42

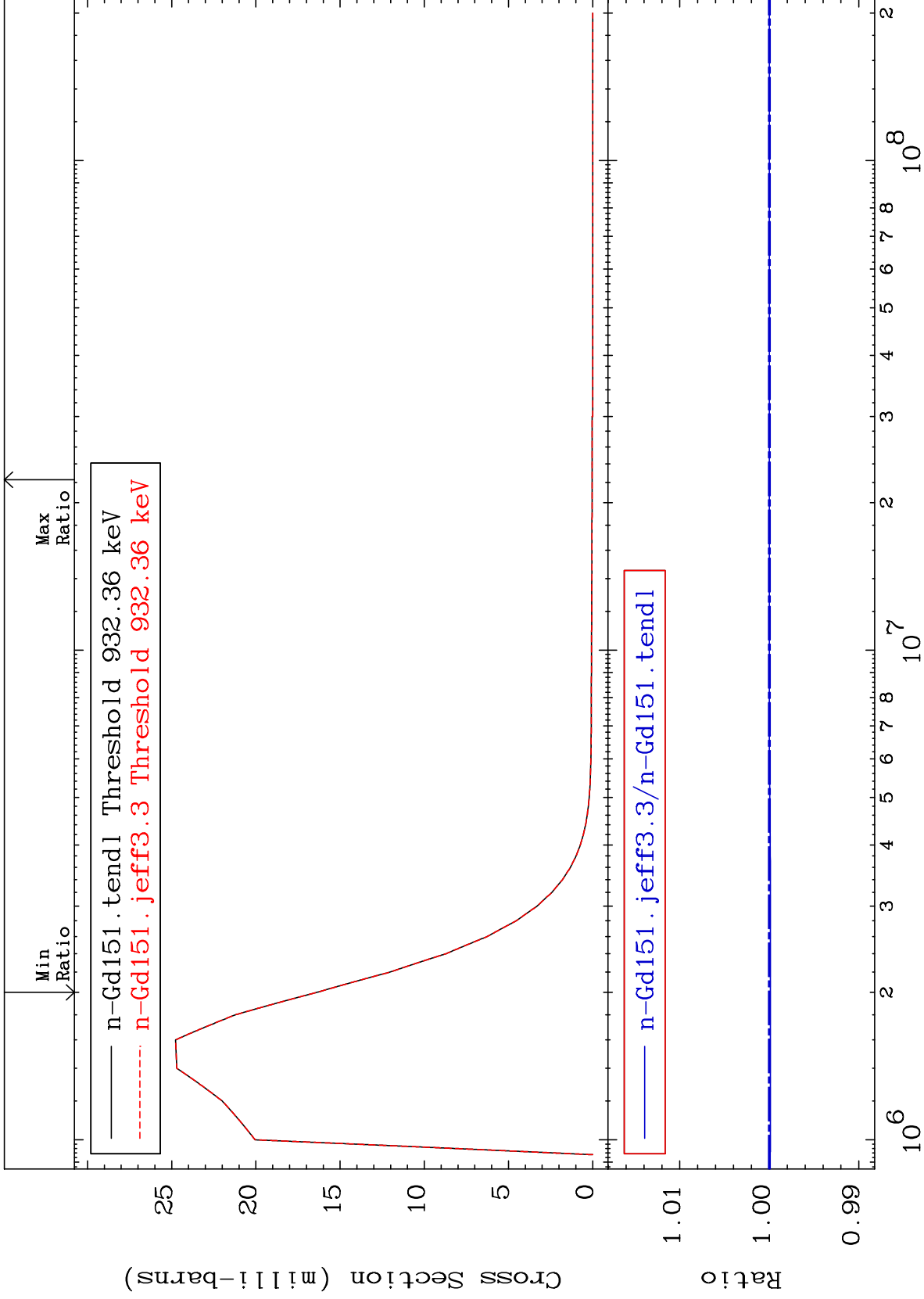
64-Gd-151

64-Gd-151

MAT 6422

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

64-Gd-151  
-0.013 To 0.000 %



43

Incident Energy (eV)

64-Gd-151

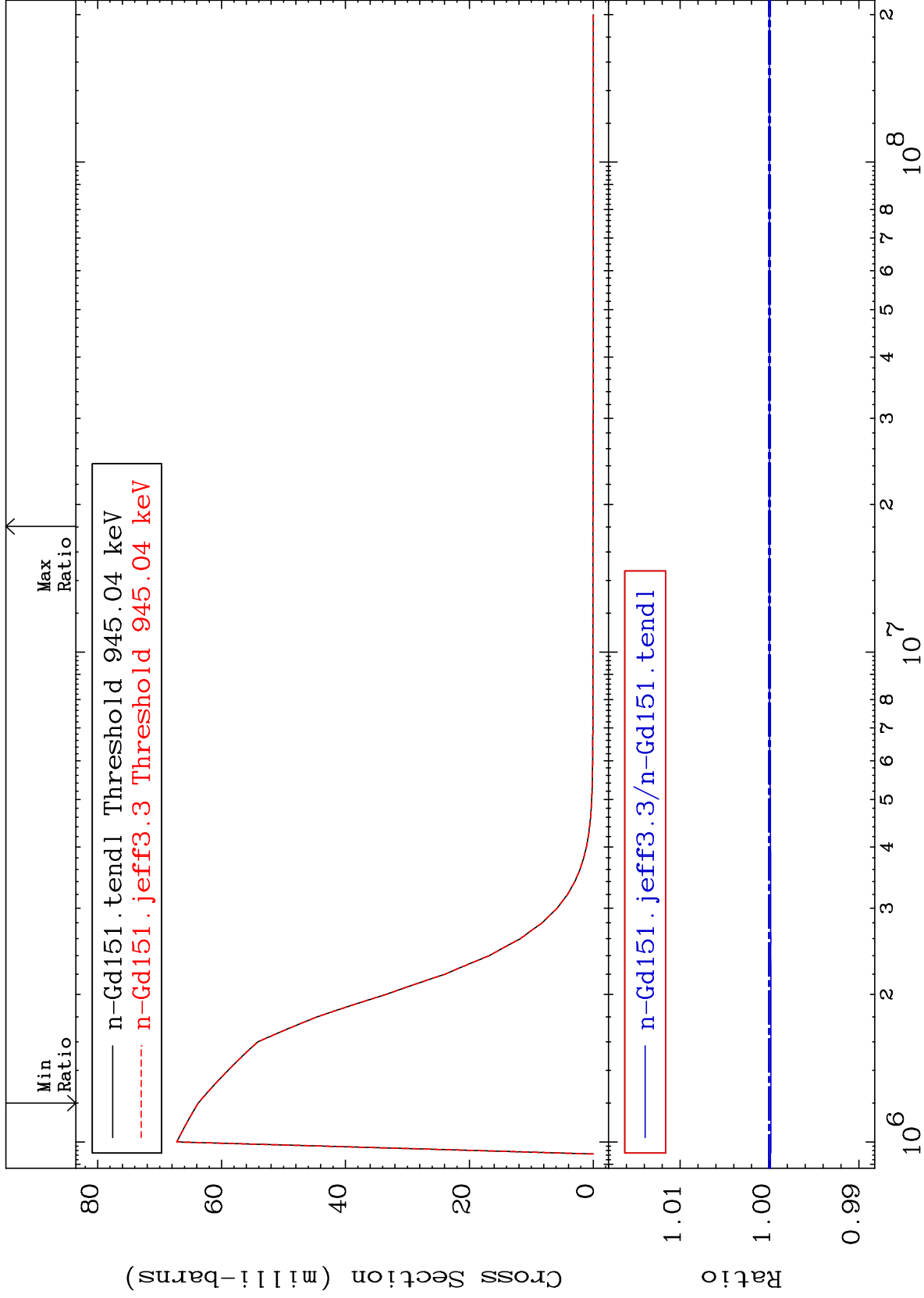
MAT 6422

MT= 74 (n, n') Level

64-Gd-151

-0.015 To 0.000 %

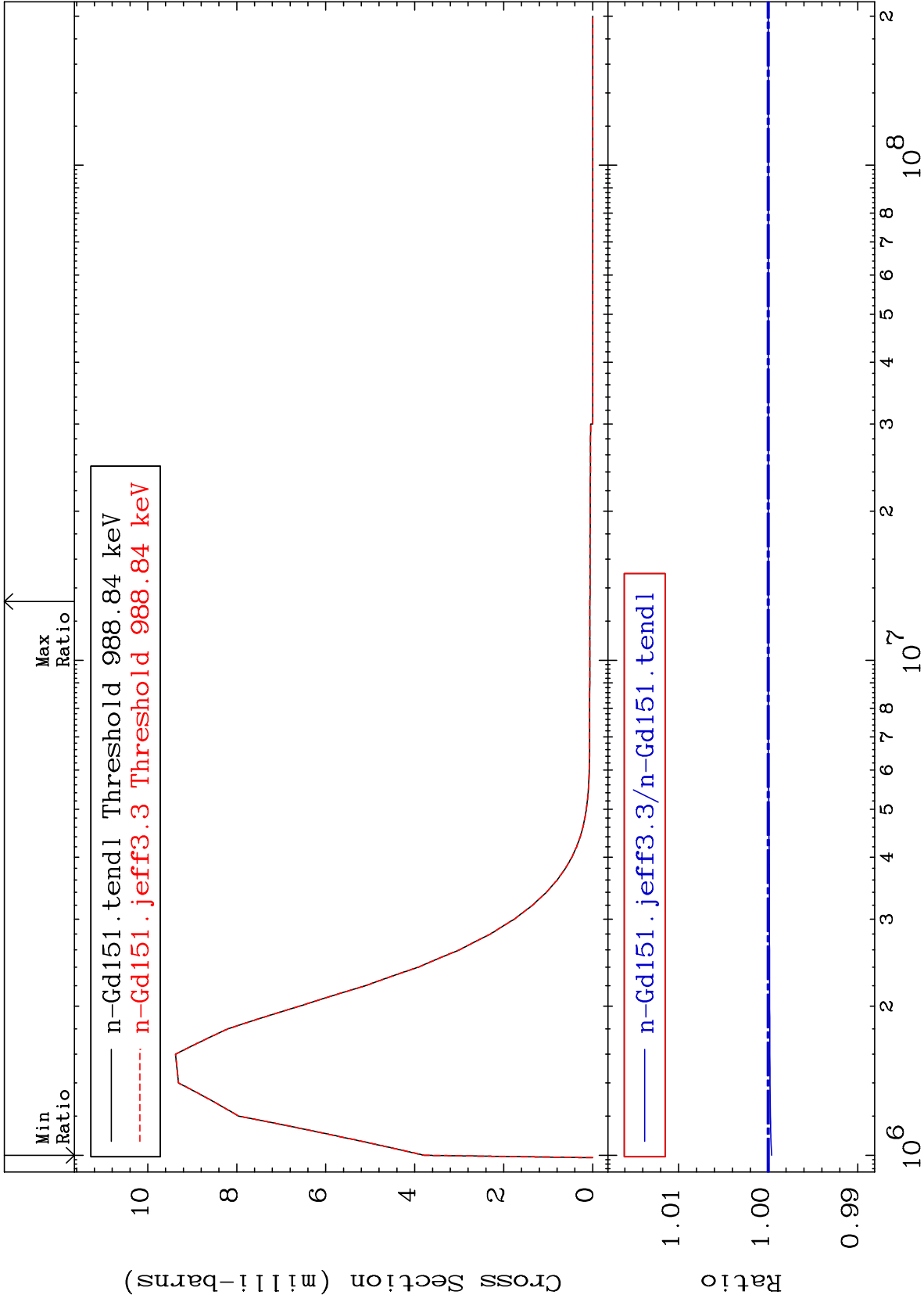
Cross Section



MAT 6422

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

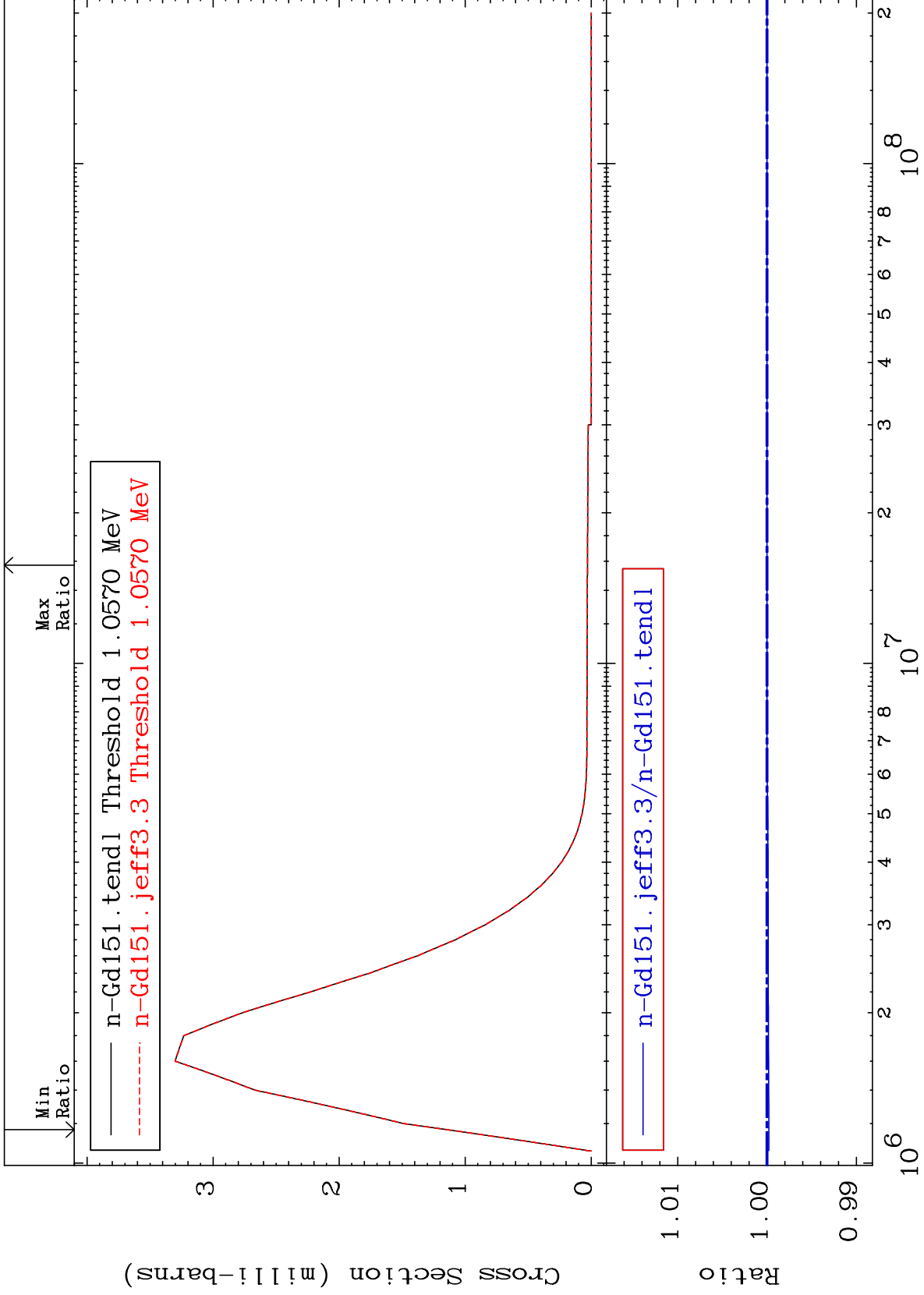
64-Gd-151  
-0.038 To 0.000 %



MAT 6422

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

64-Gd-151  
-0.021 To 0.000 %



46

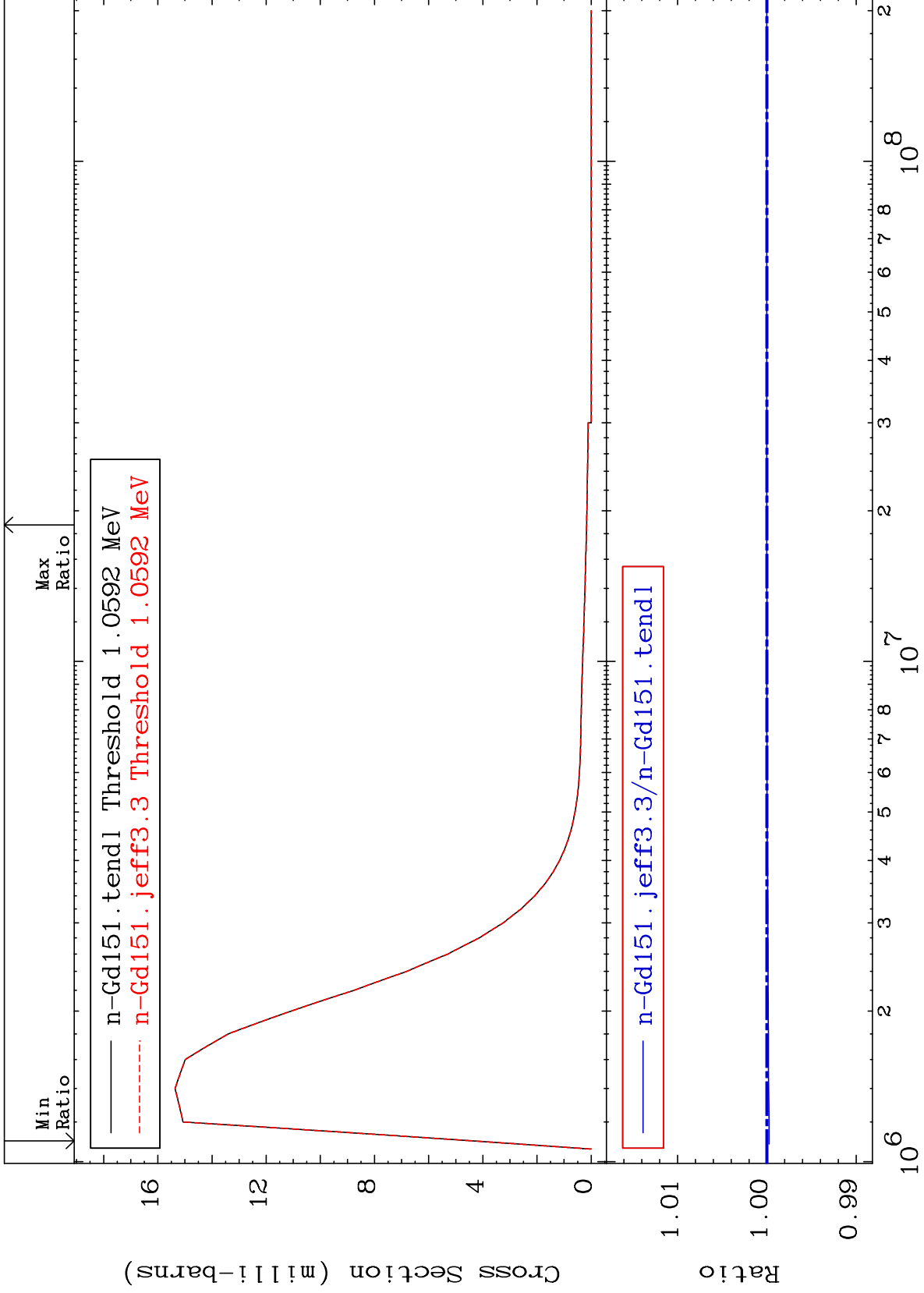
Incident Energy (eV)

64-Gd-151

MAT 6422

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

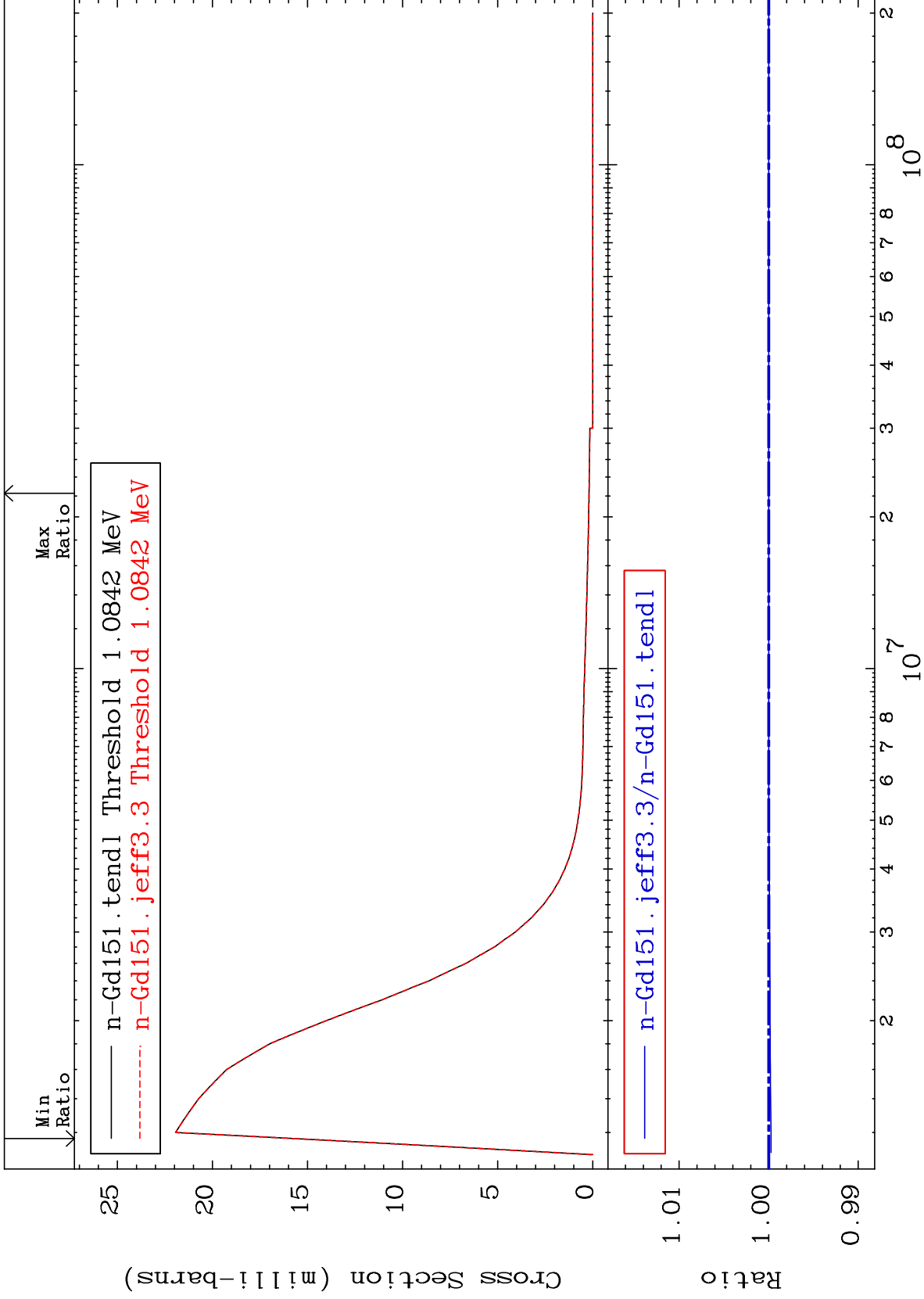
64-Gd-151  
-0.024 To 0.000 %



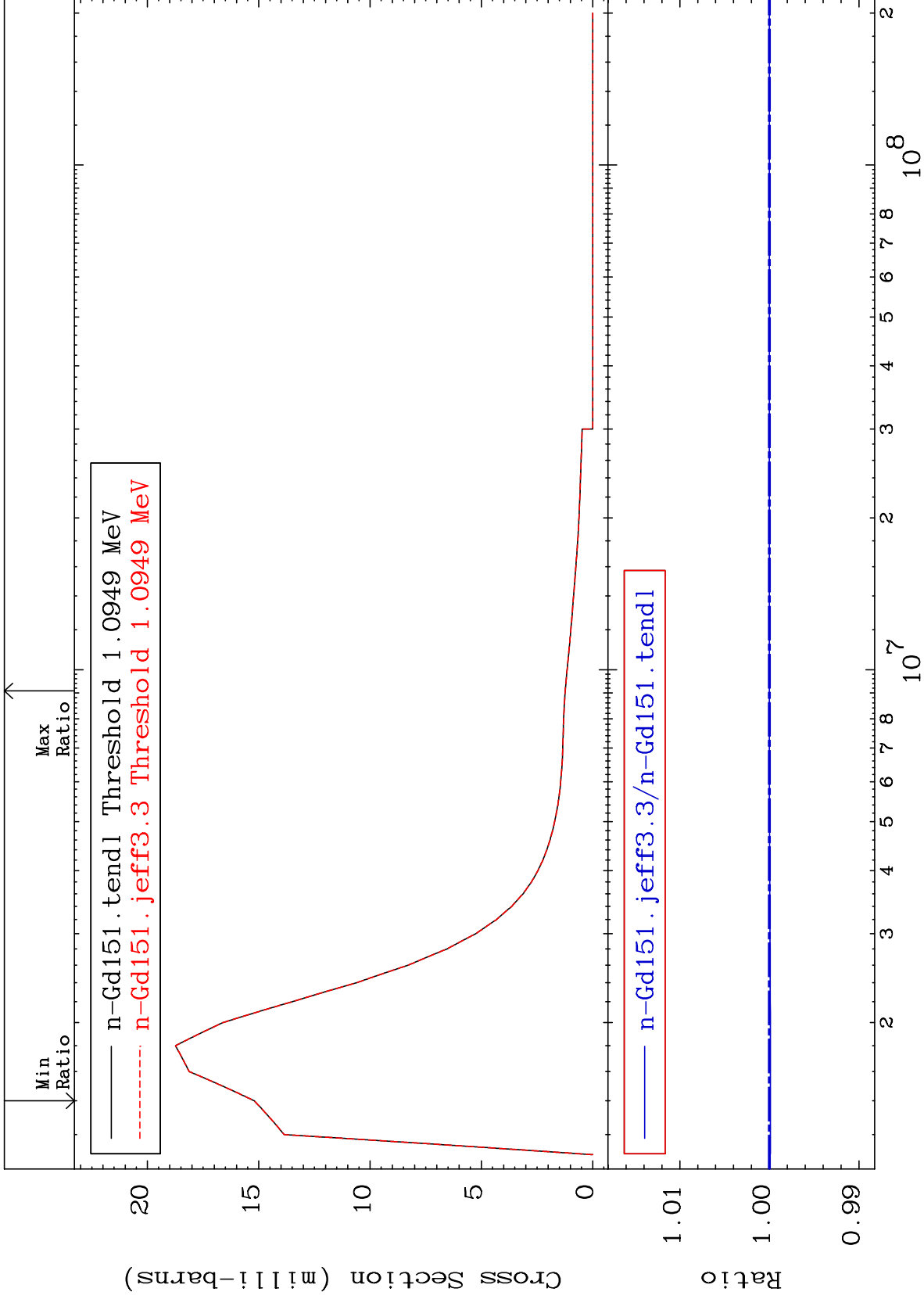
47

Incident Energy (eV)

64-Gd-151



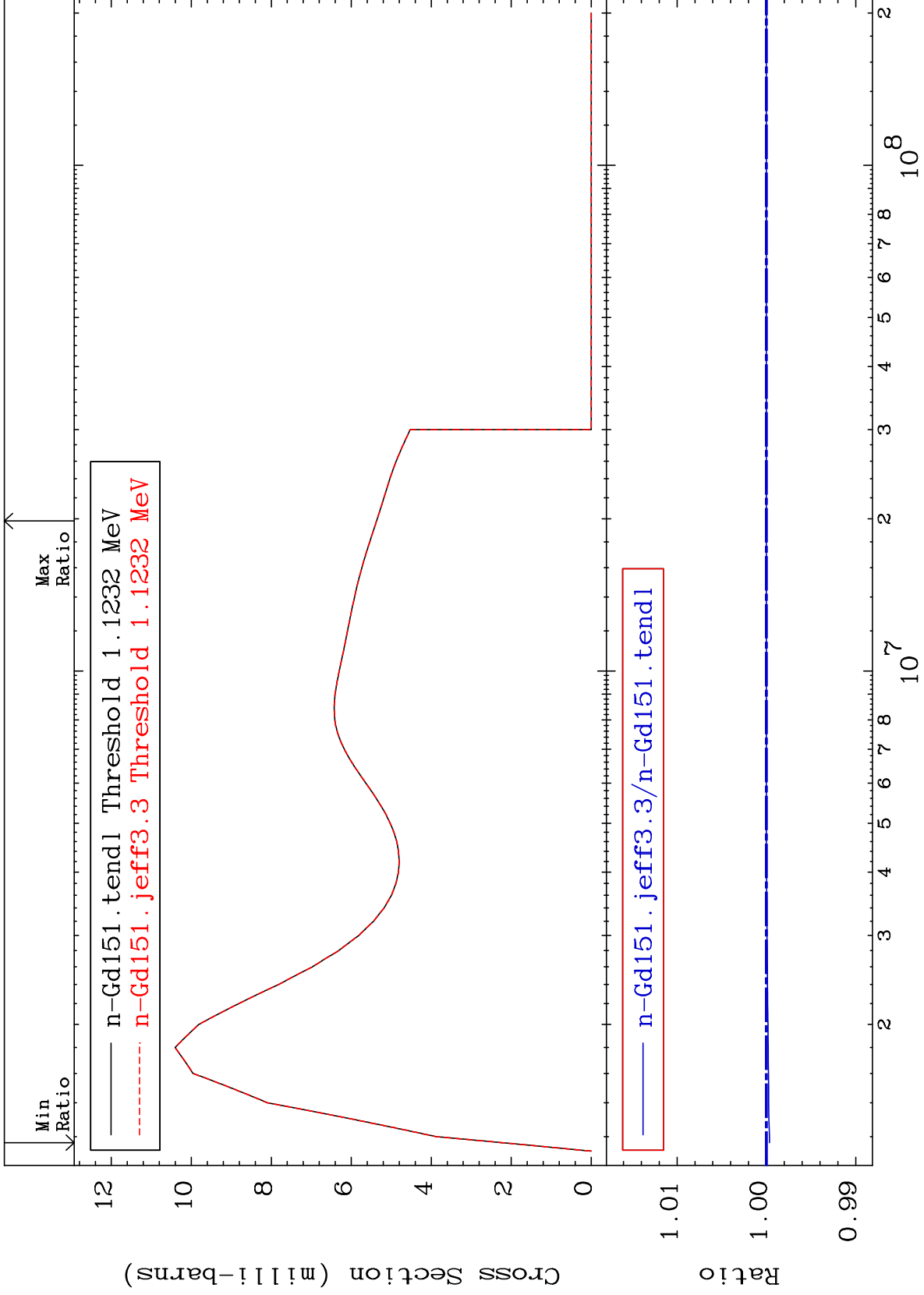


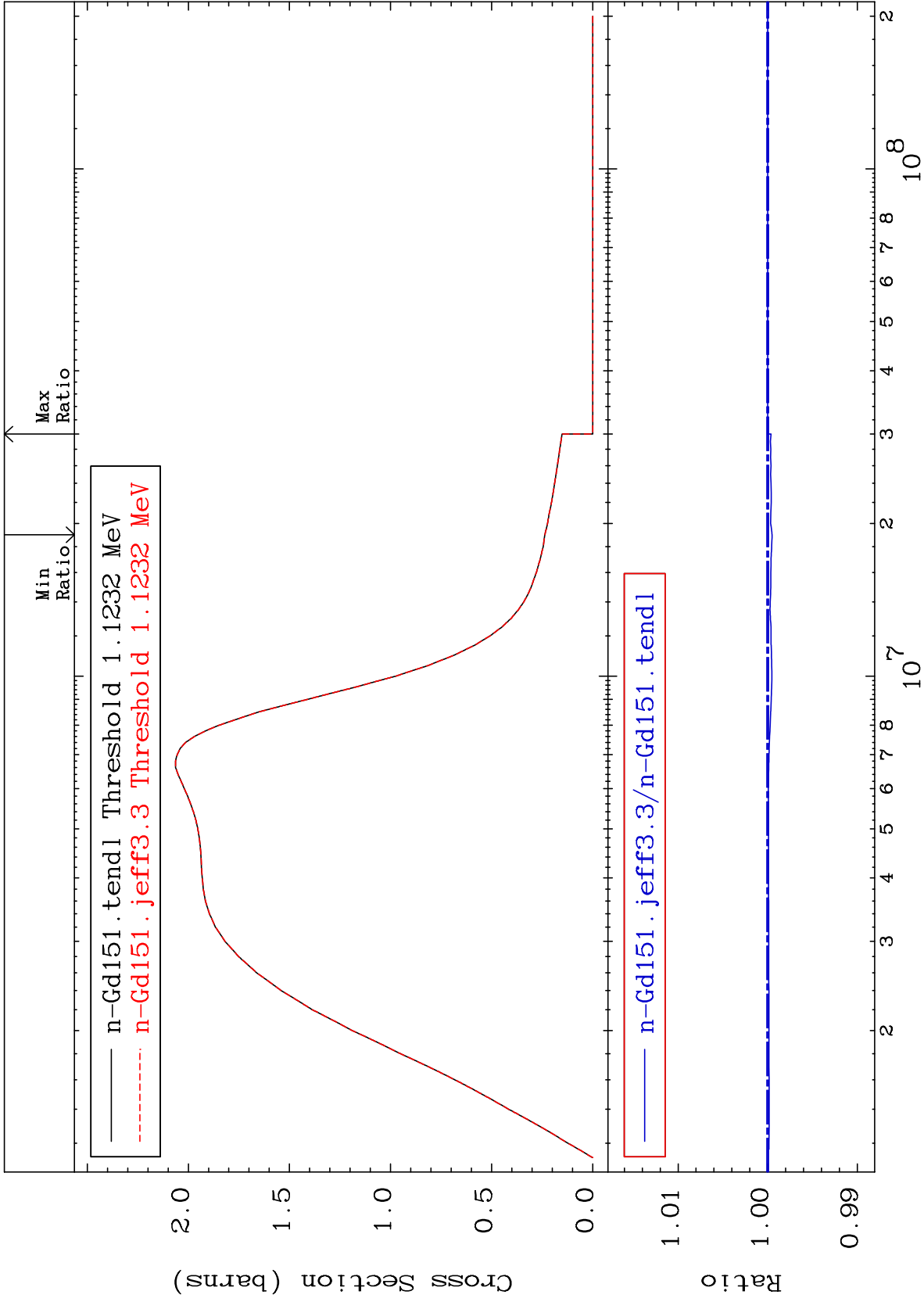


MAT 6422

MT= 80 (n,n') Level  
Cross Section

64-Gd-151  
-0.035 To 0.000 %

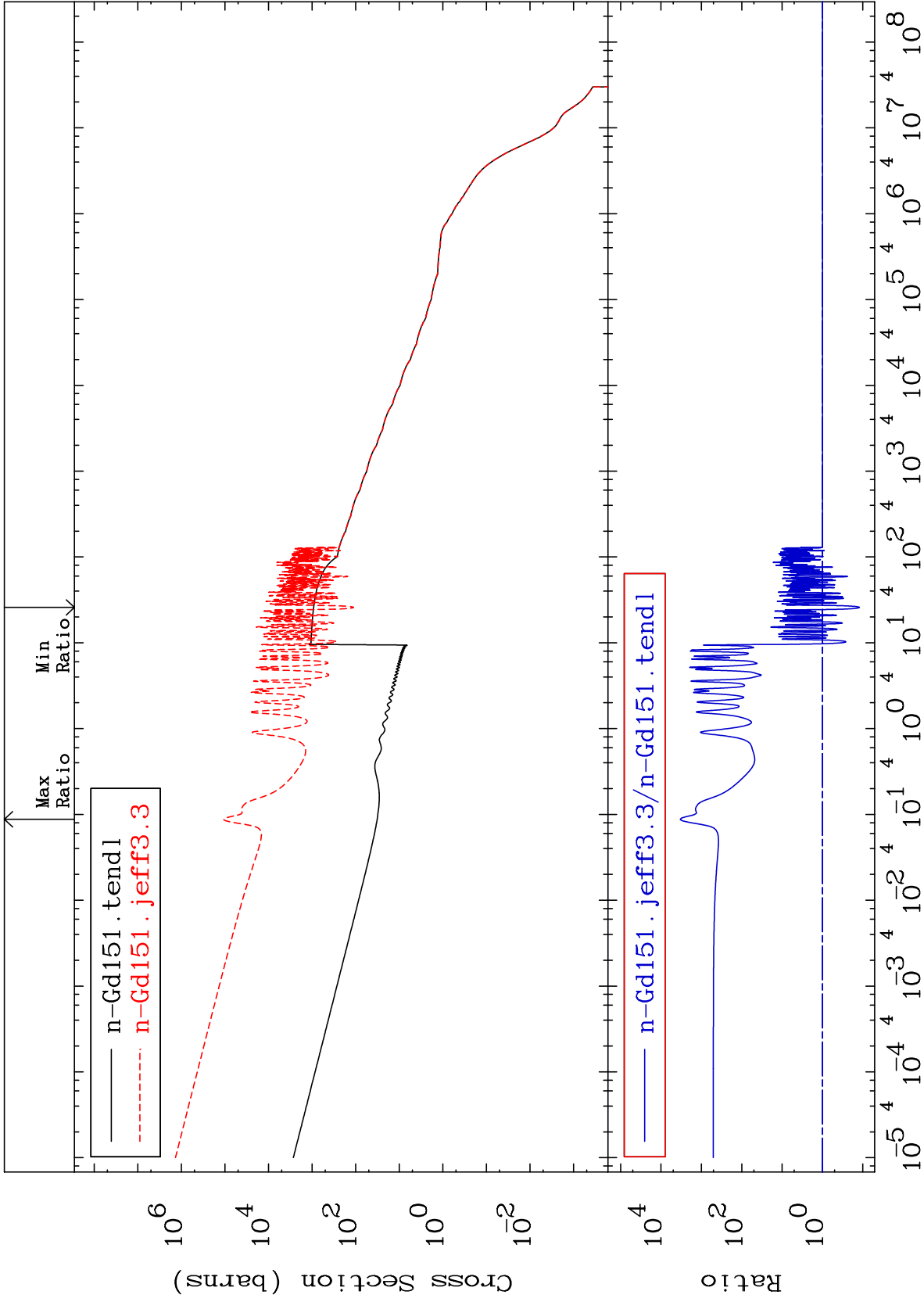




MAT 6422

(n,  $\gamma$ )  
Cross Section

64-Gd-151  
-87.87 To 9999. %



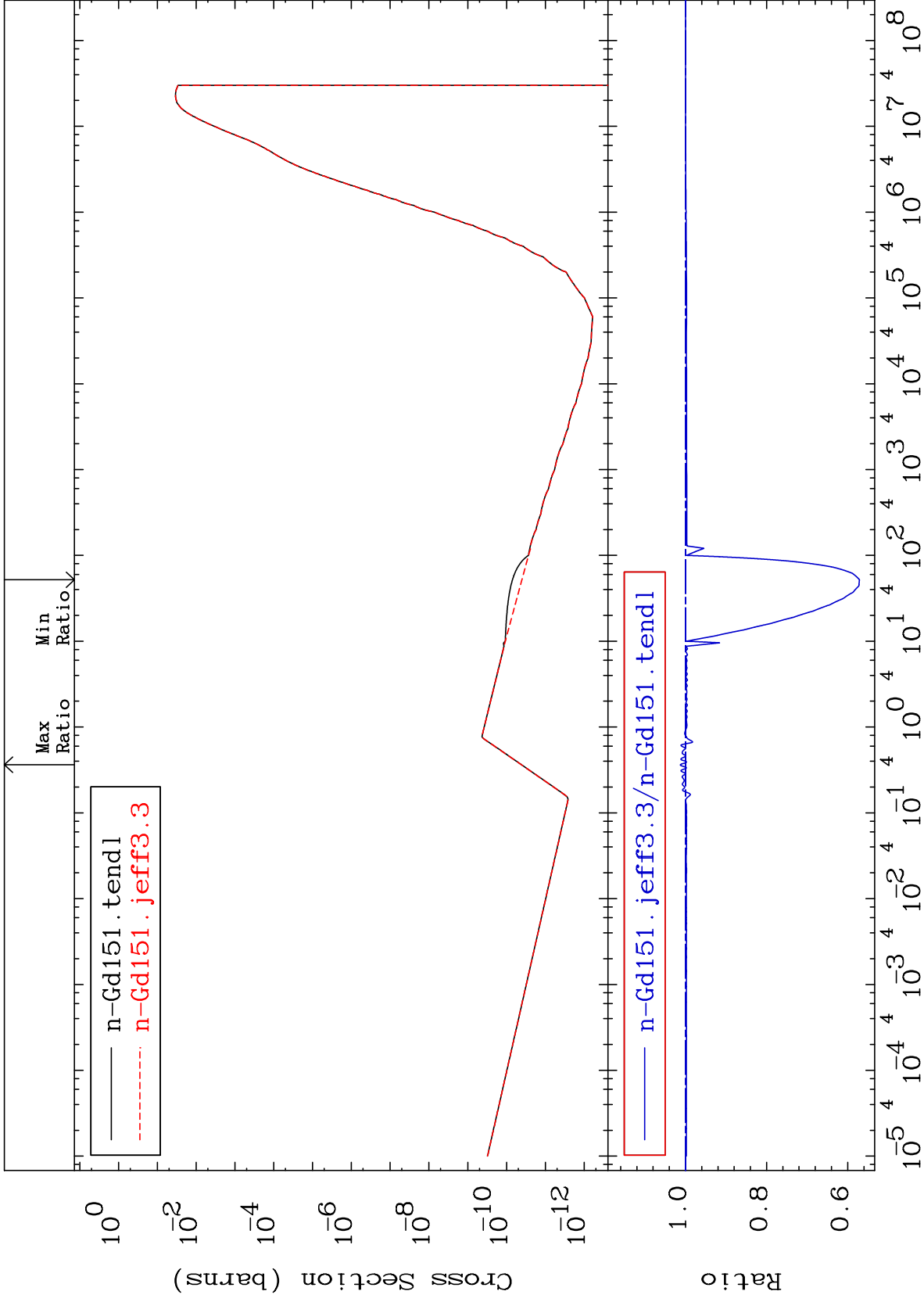
MAT 6422

(n, p)

64-Gd-151

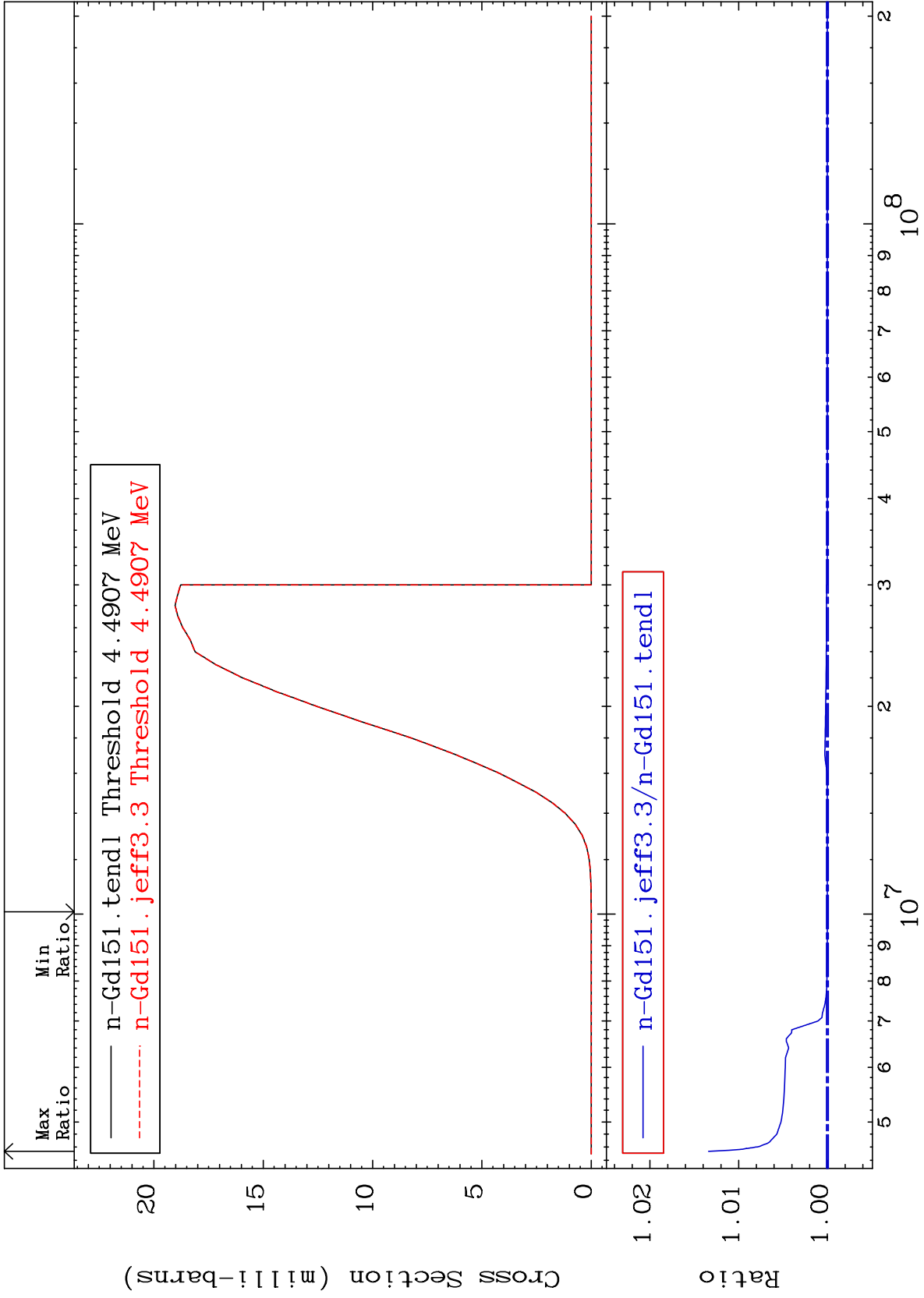
Cross Section

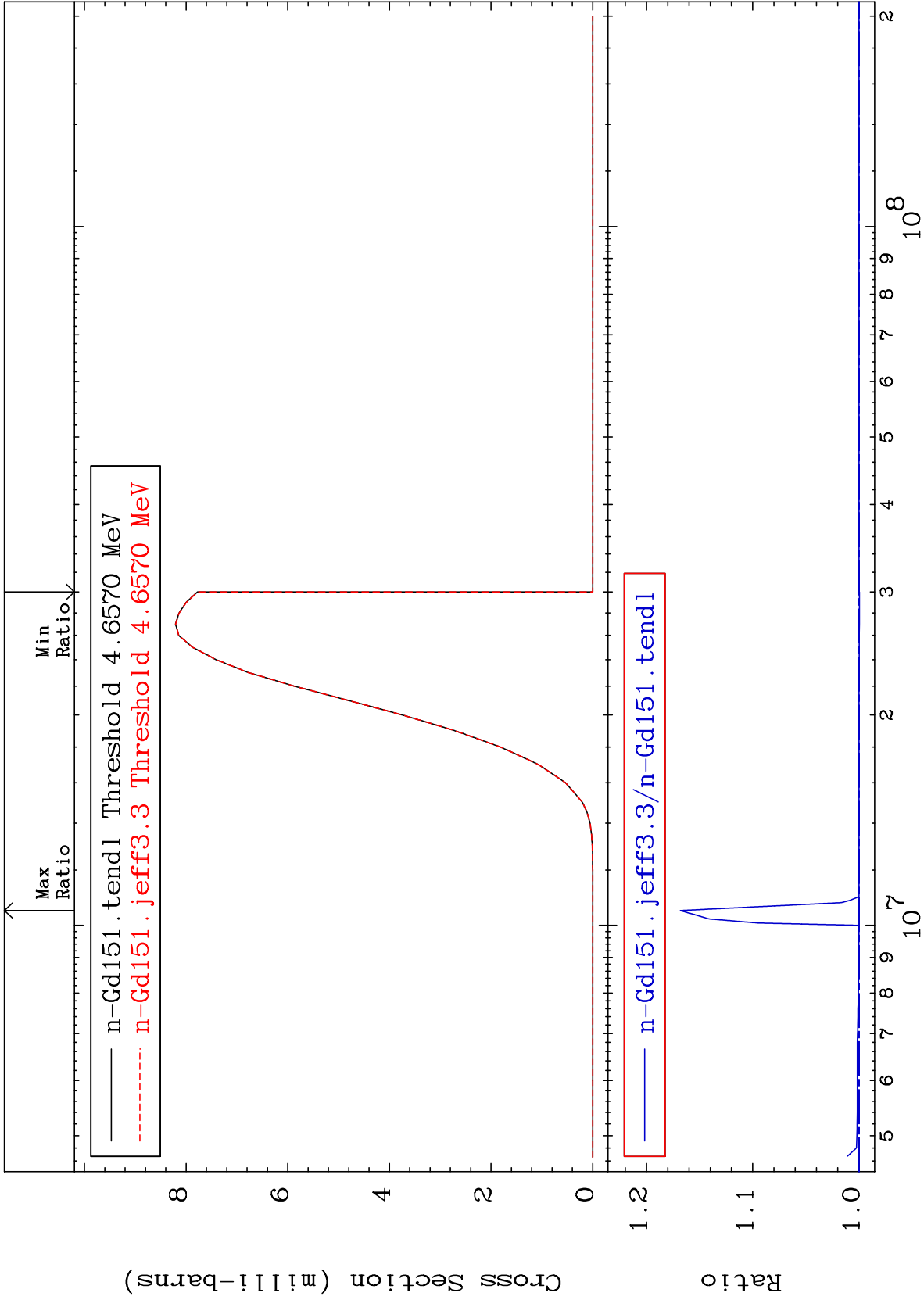
-42.89 To 1.277 %



MAT 6422

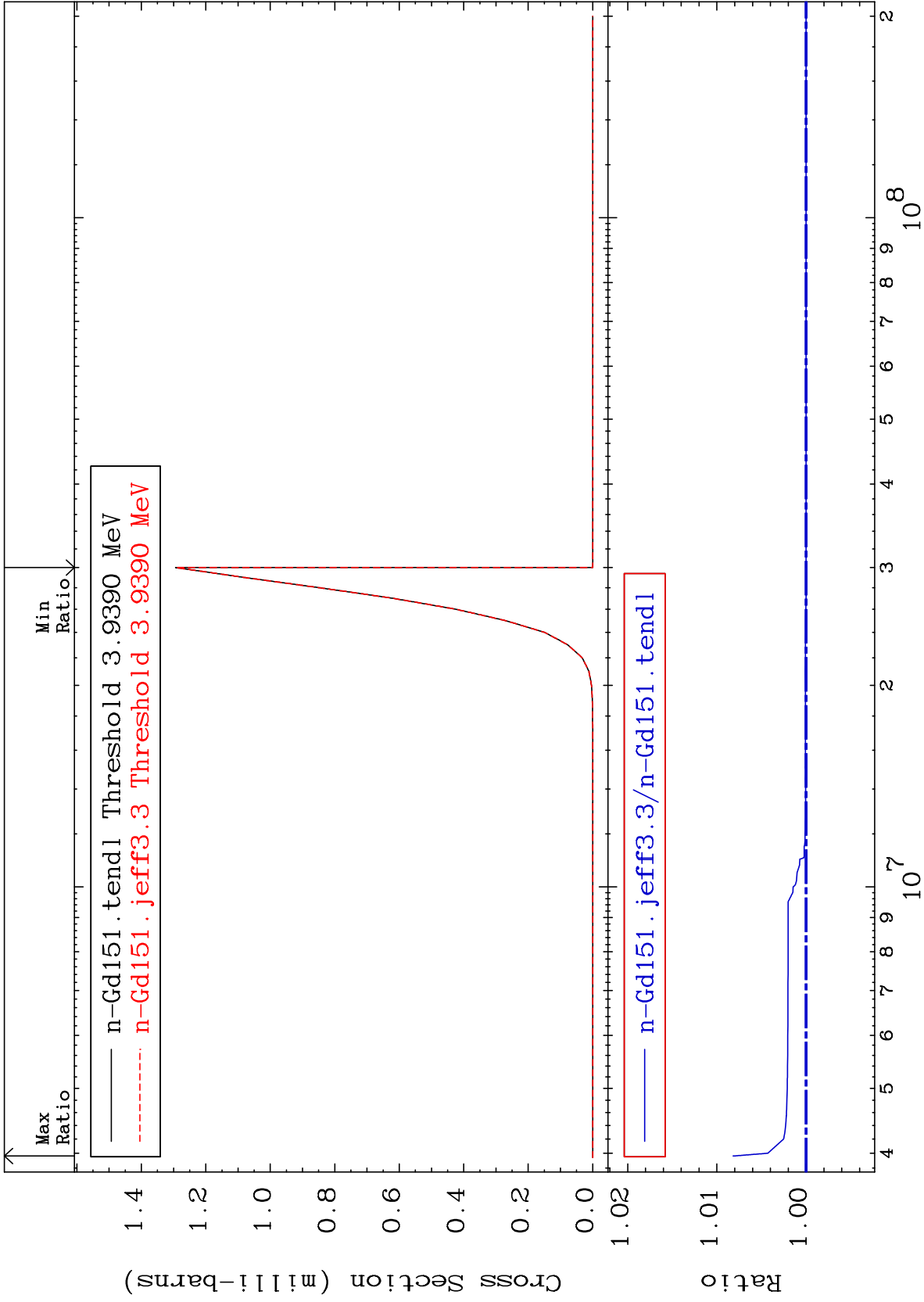
(n, d)  
Cross Section  
64-Gd-151  
To 1.340 %  
0.000





Cross Section

-0.006 To 0.817 %





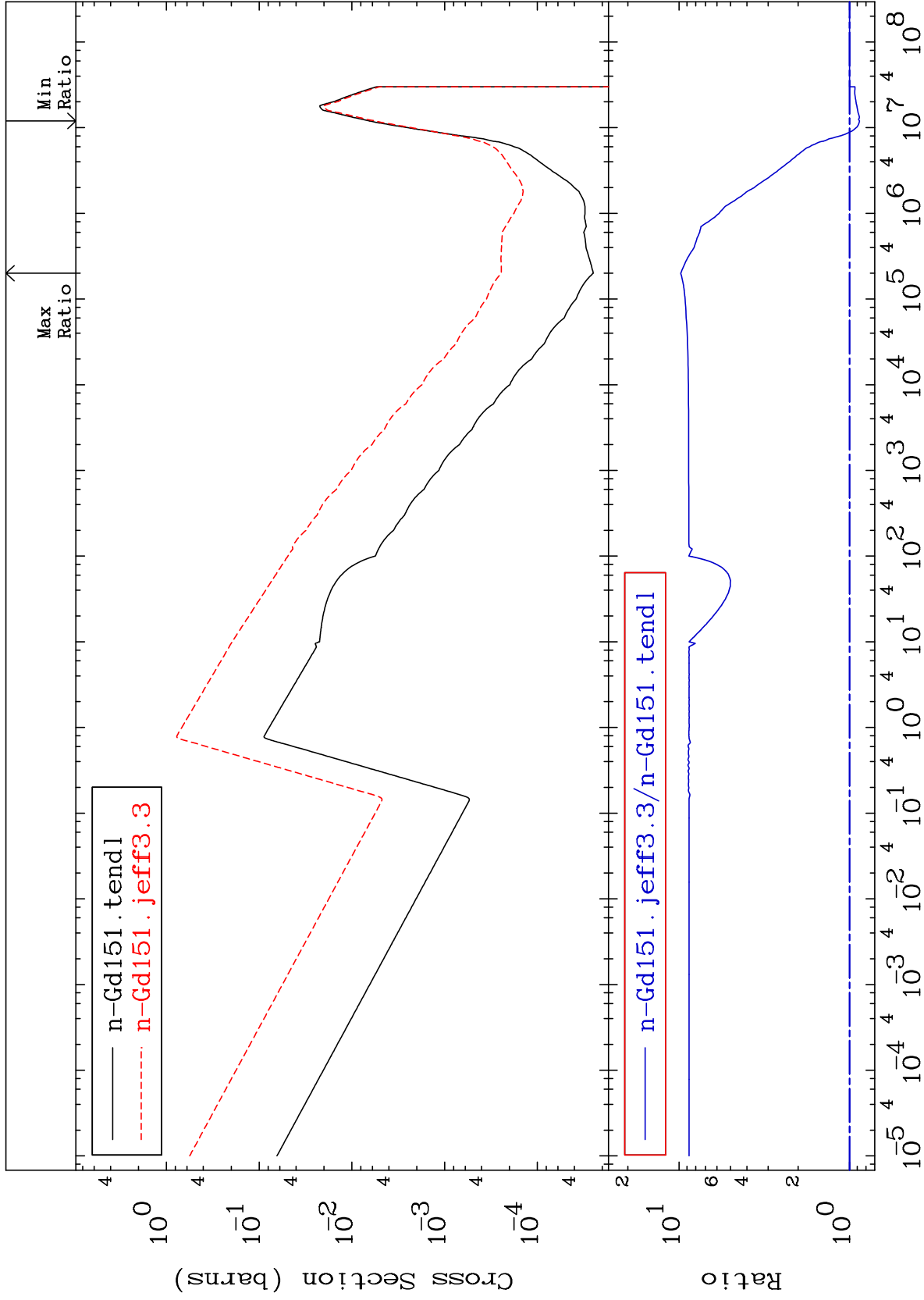
MAT 6422

(n,  $\alpha$ )

64-Gd-151

Cross Section

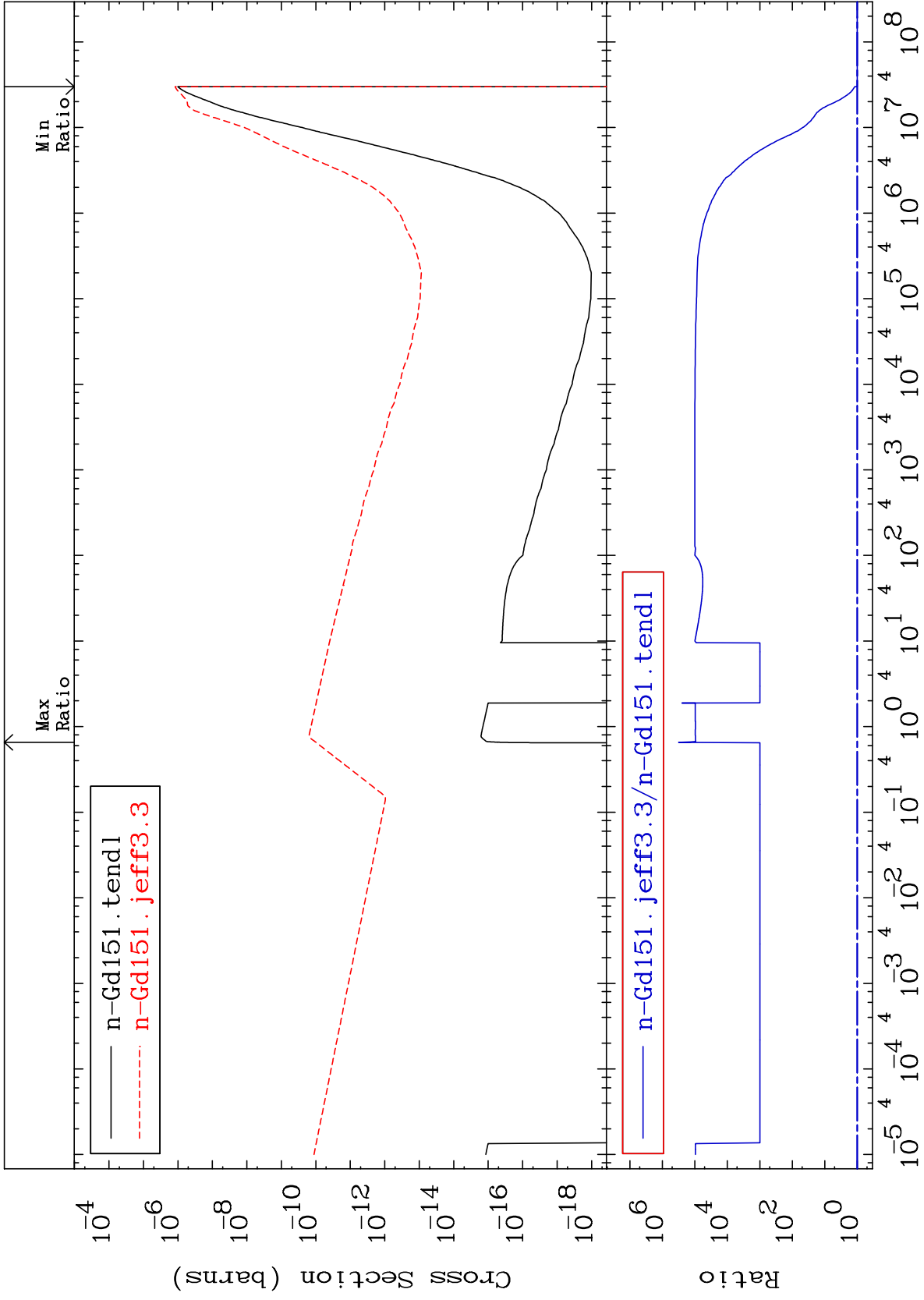
-12.70 To 877.8 %



57

Incident Energy (eV)

64-Gd-151



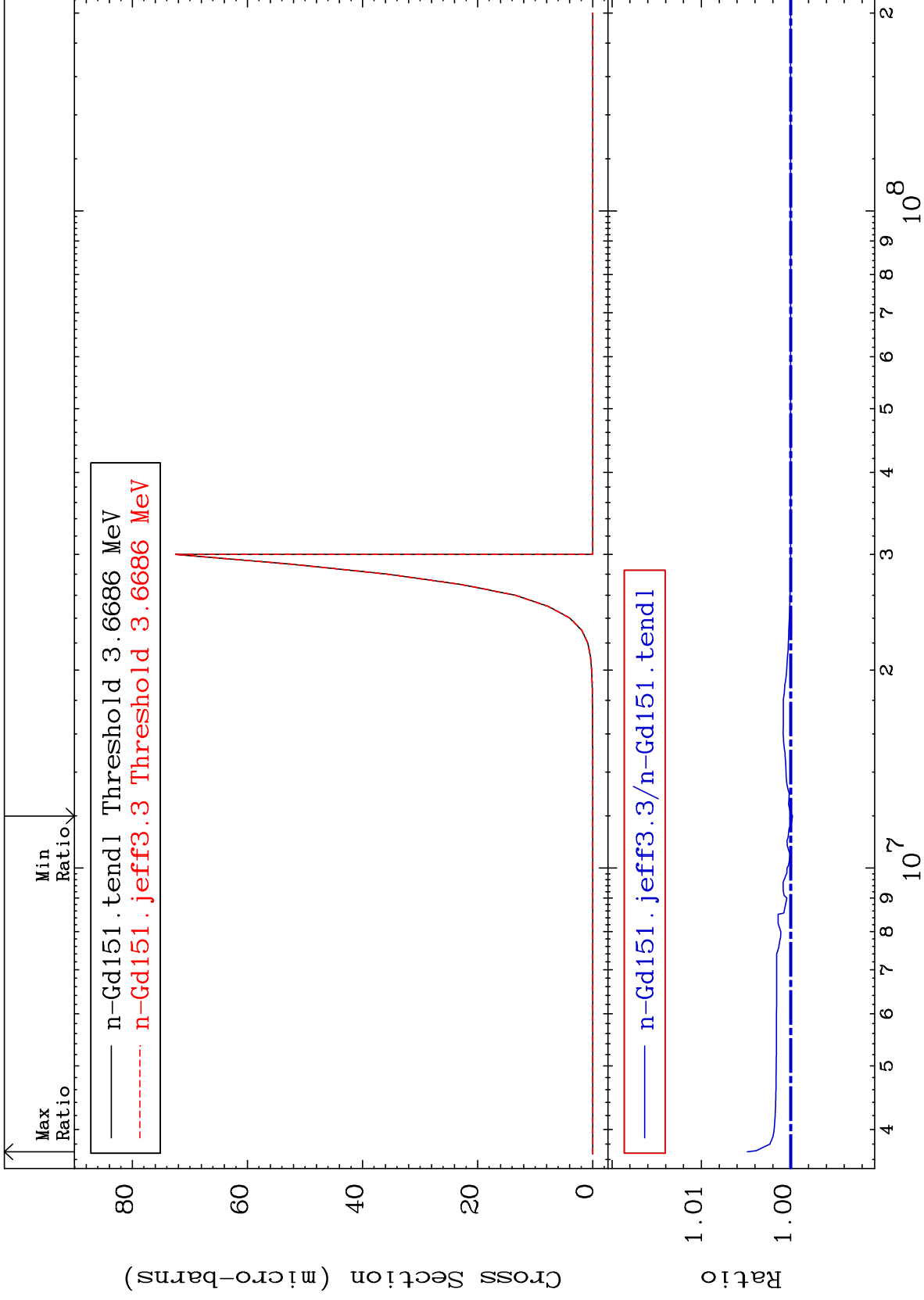
MAT 6422

(n,2p)

64-Gd-151

Cross Section

-0.020 To 0.485 %



59

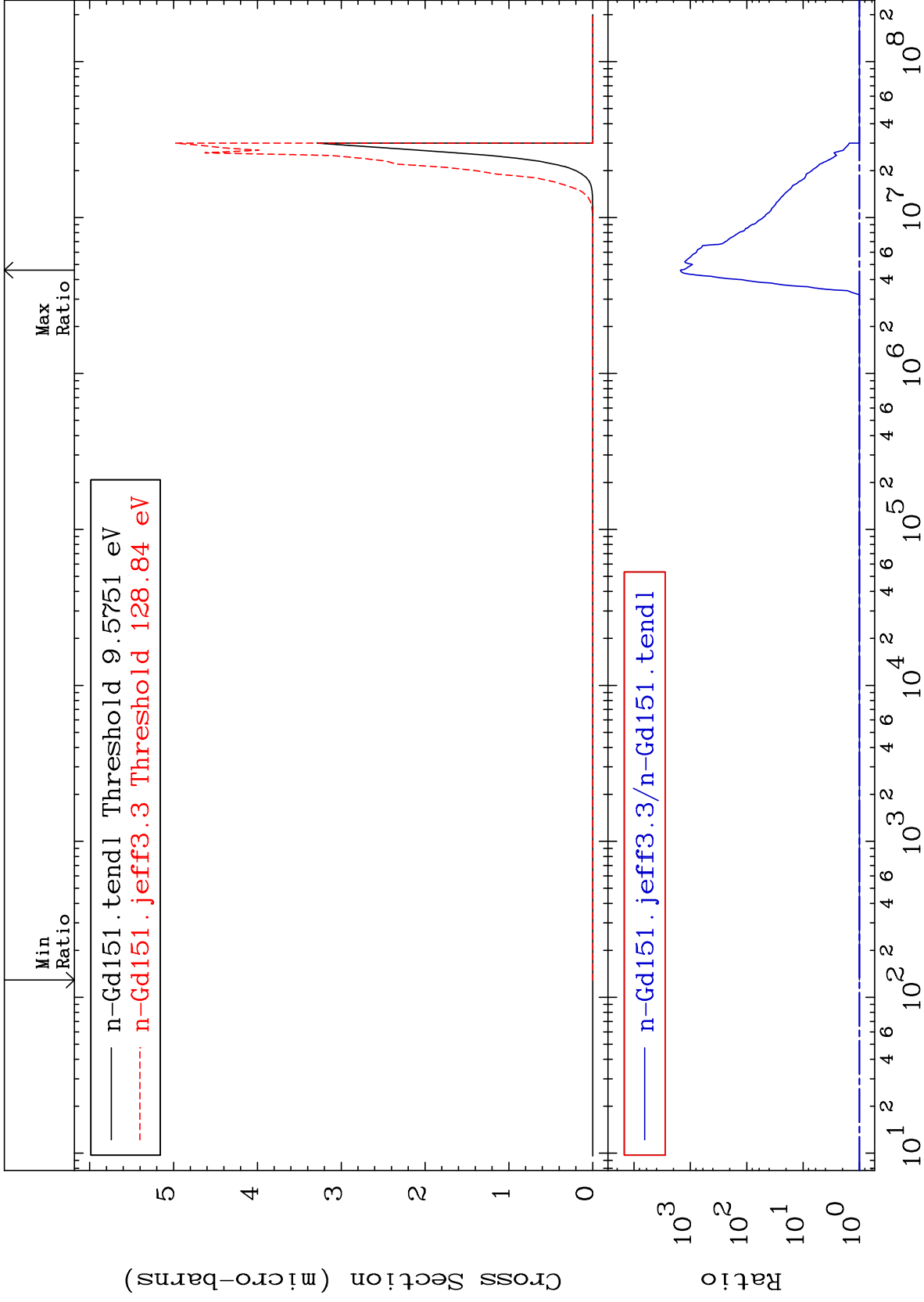
Incident Energy (eV)

64-Gd-151

MAT 6422

(n,p)  $\alpha$

64-Gd-151  
Cross Section  
0.000 To 9999. %



64-Gd-151

60

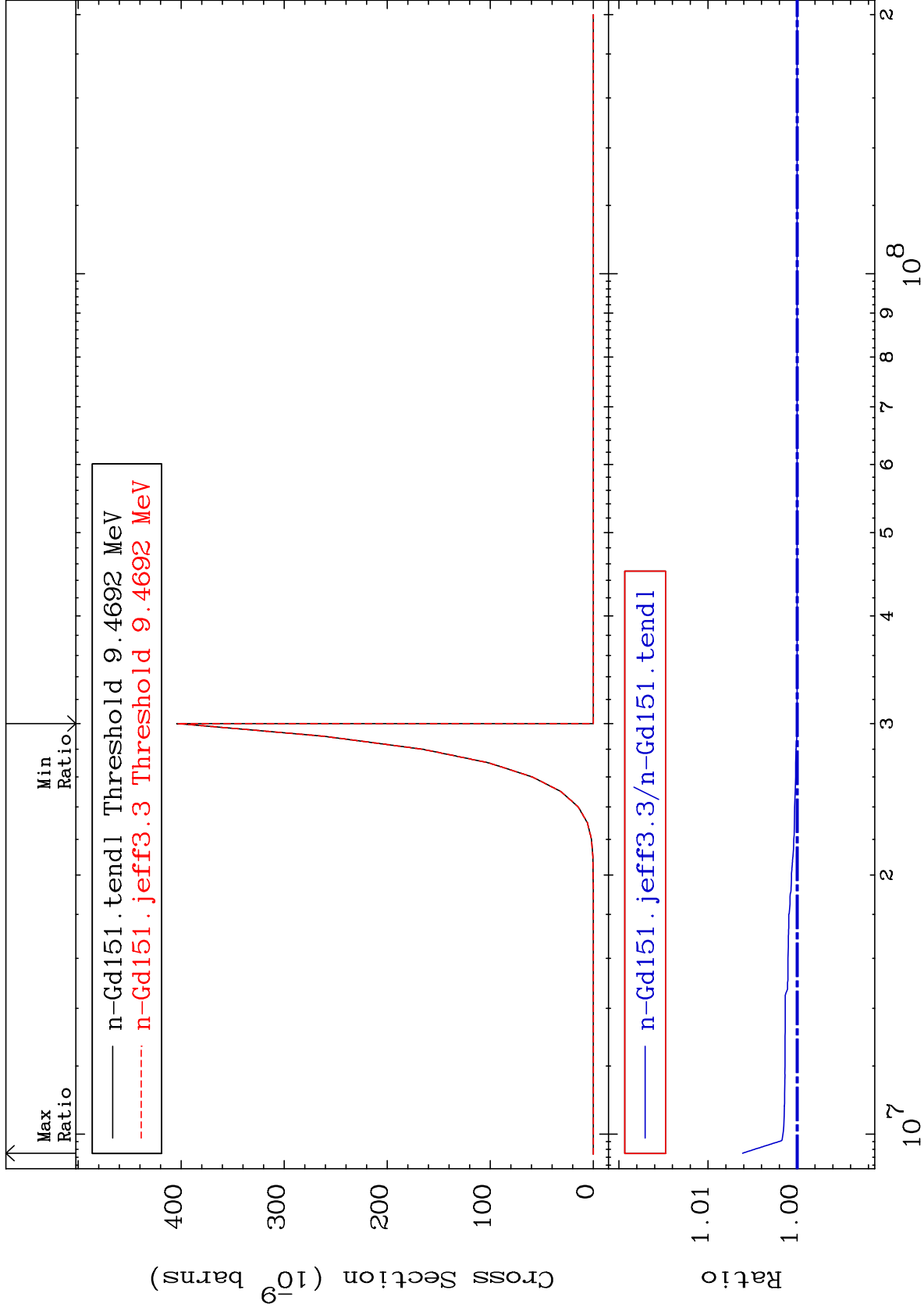
MAT 6422

(n,p) d

64-Gd-151

Cross Section

-0.007 To 0.613 %



61

Incident Energy (eV)

64-Gd-151

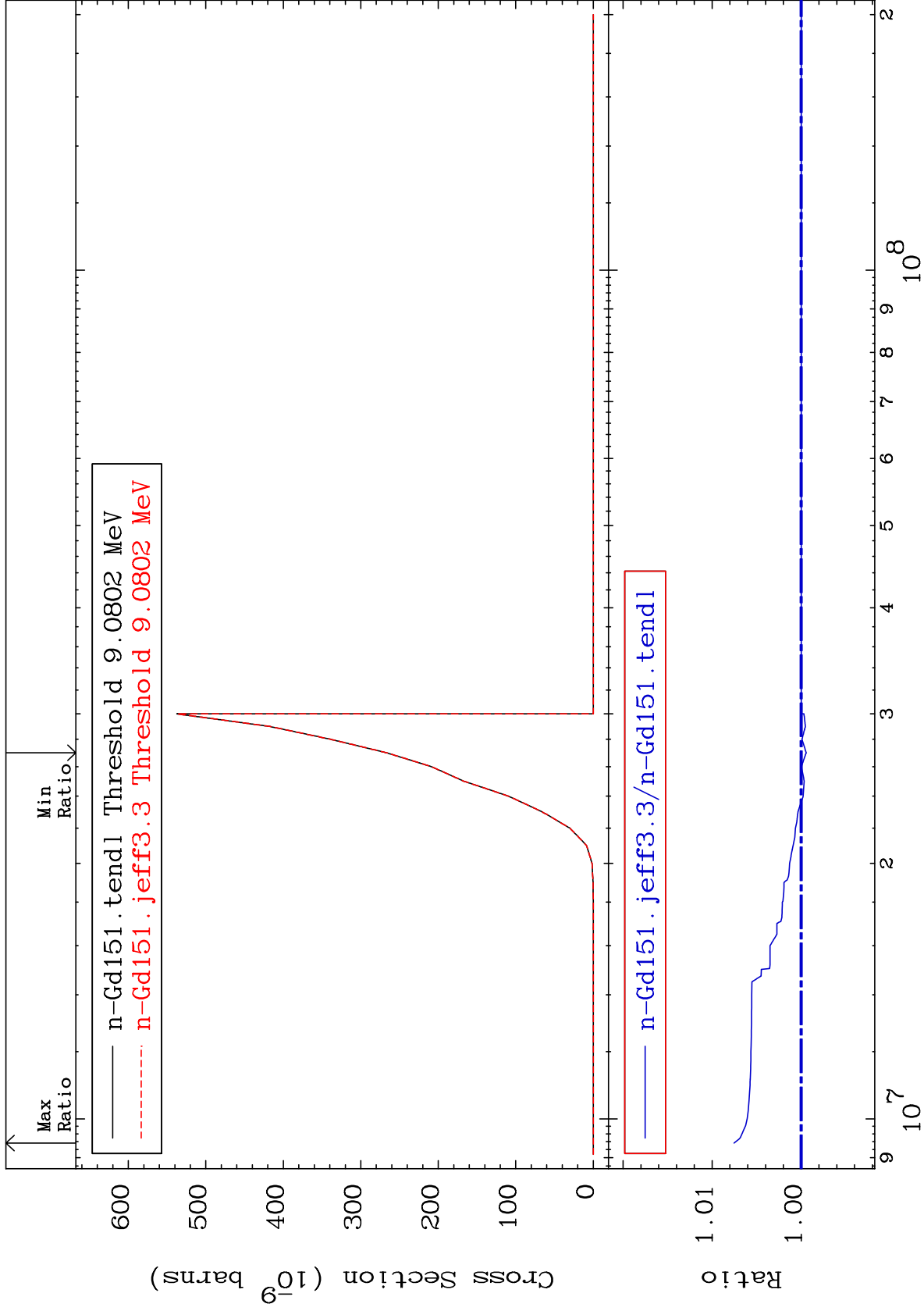
MAT 6422

(n,p) t

64-Gd-151

Cross Section

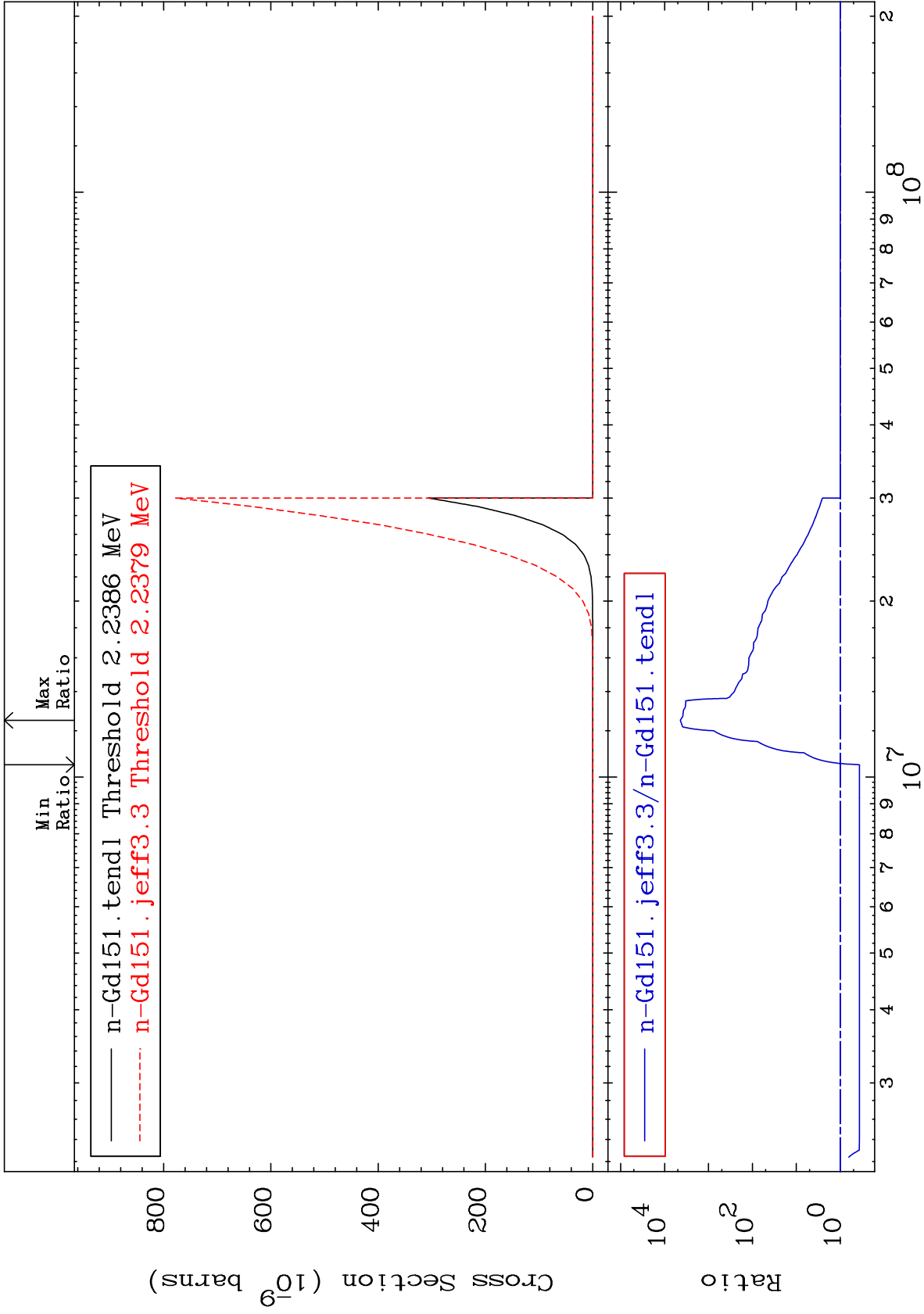
-0.056 To 0.753 %

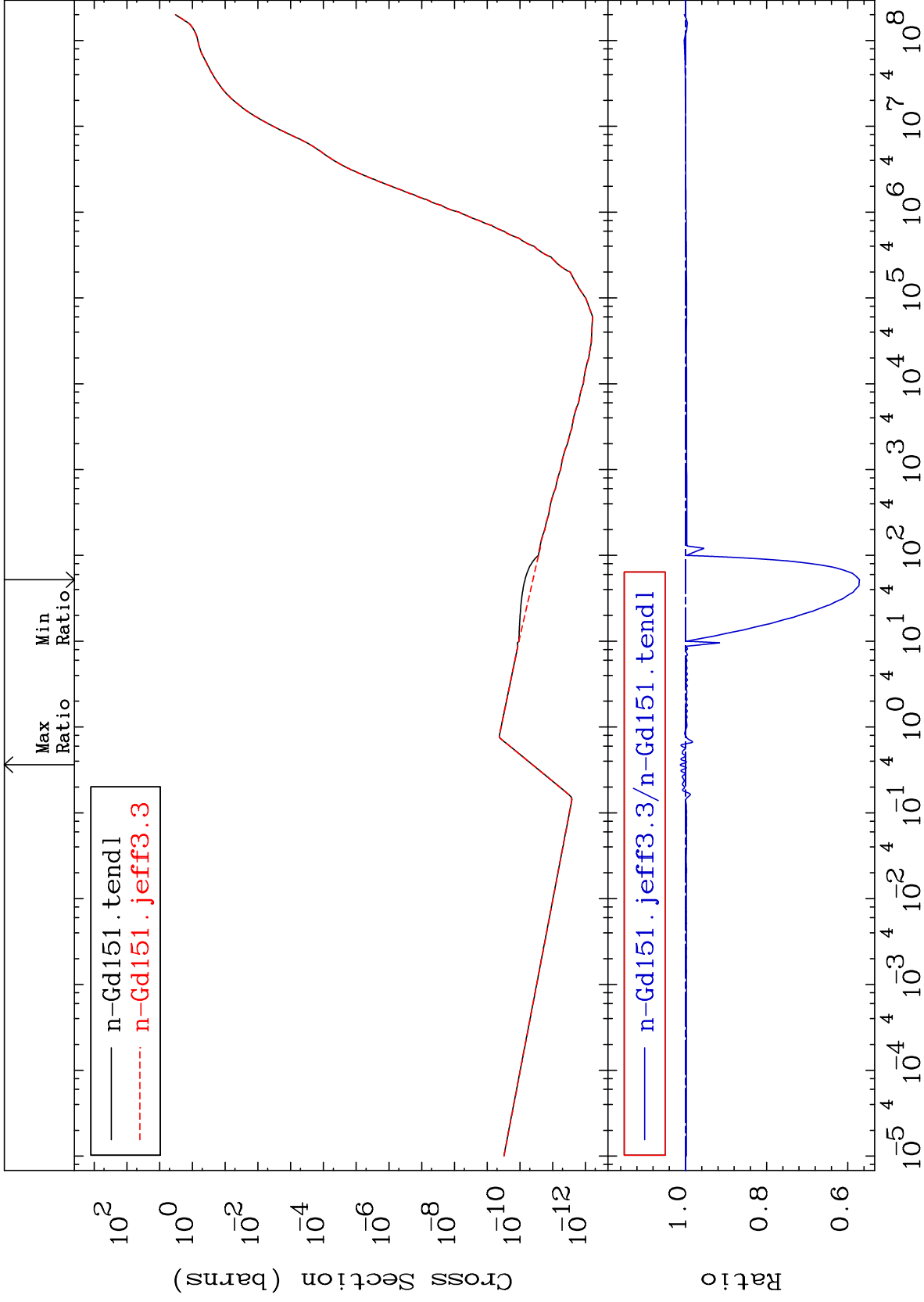


62

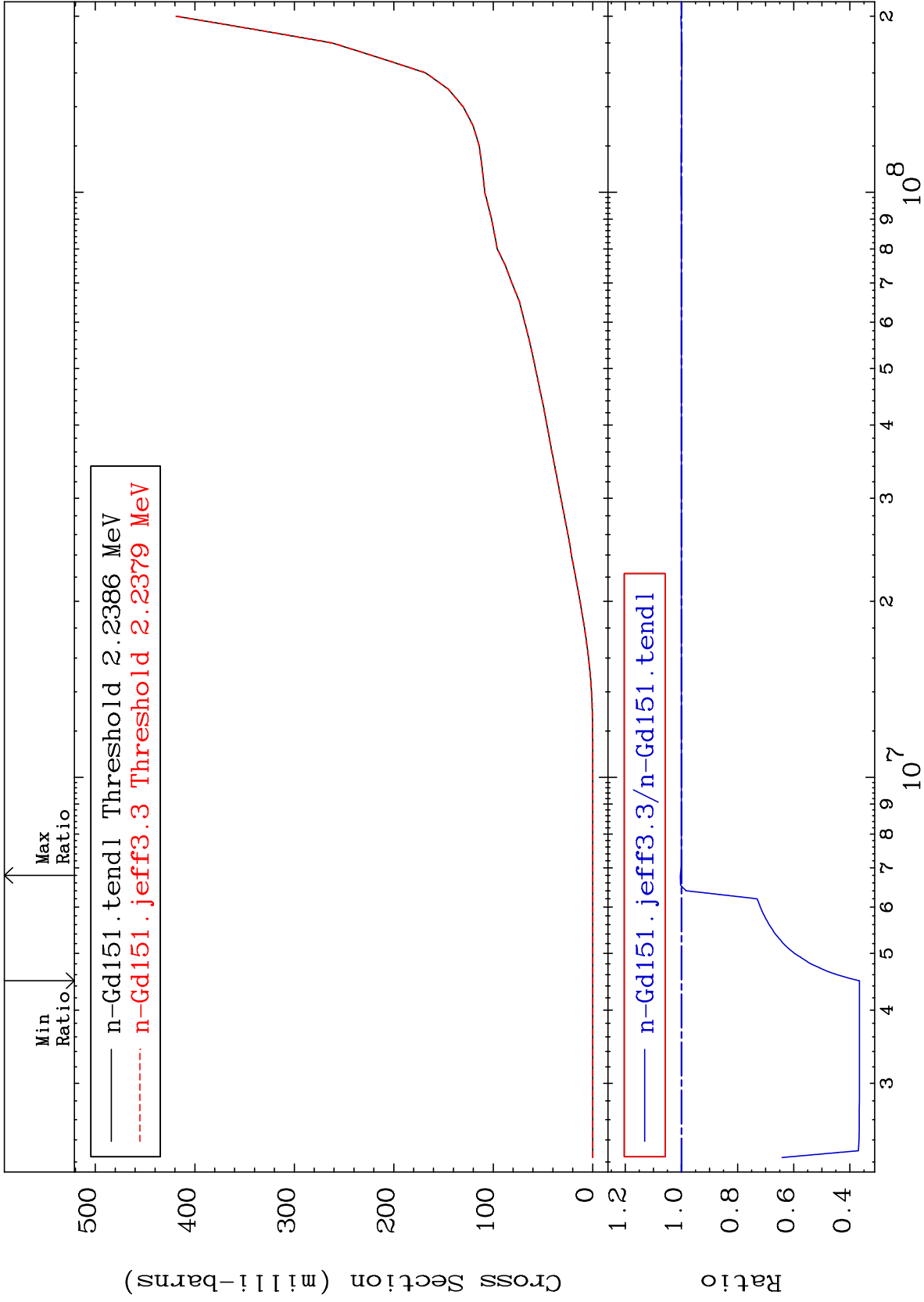
Incident Energy (eV)

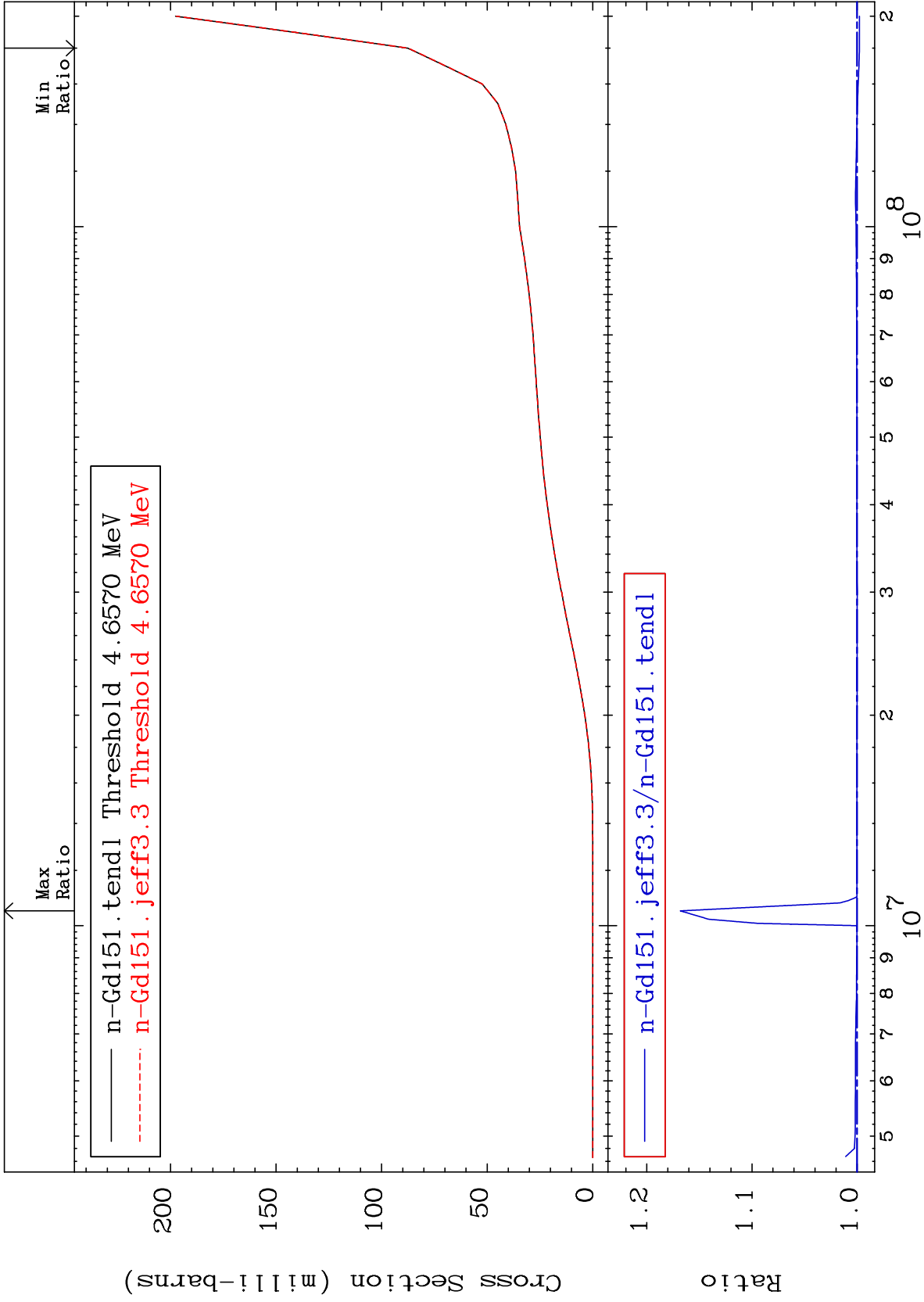
64-Gd-151







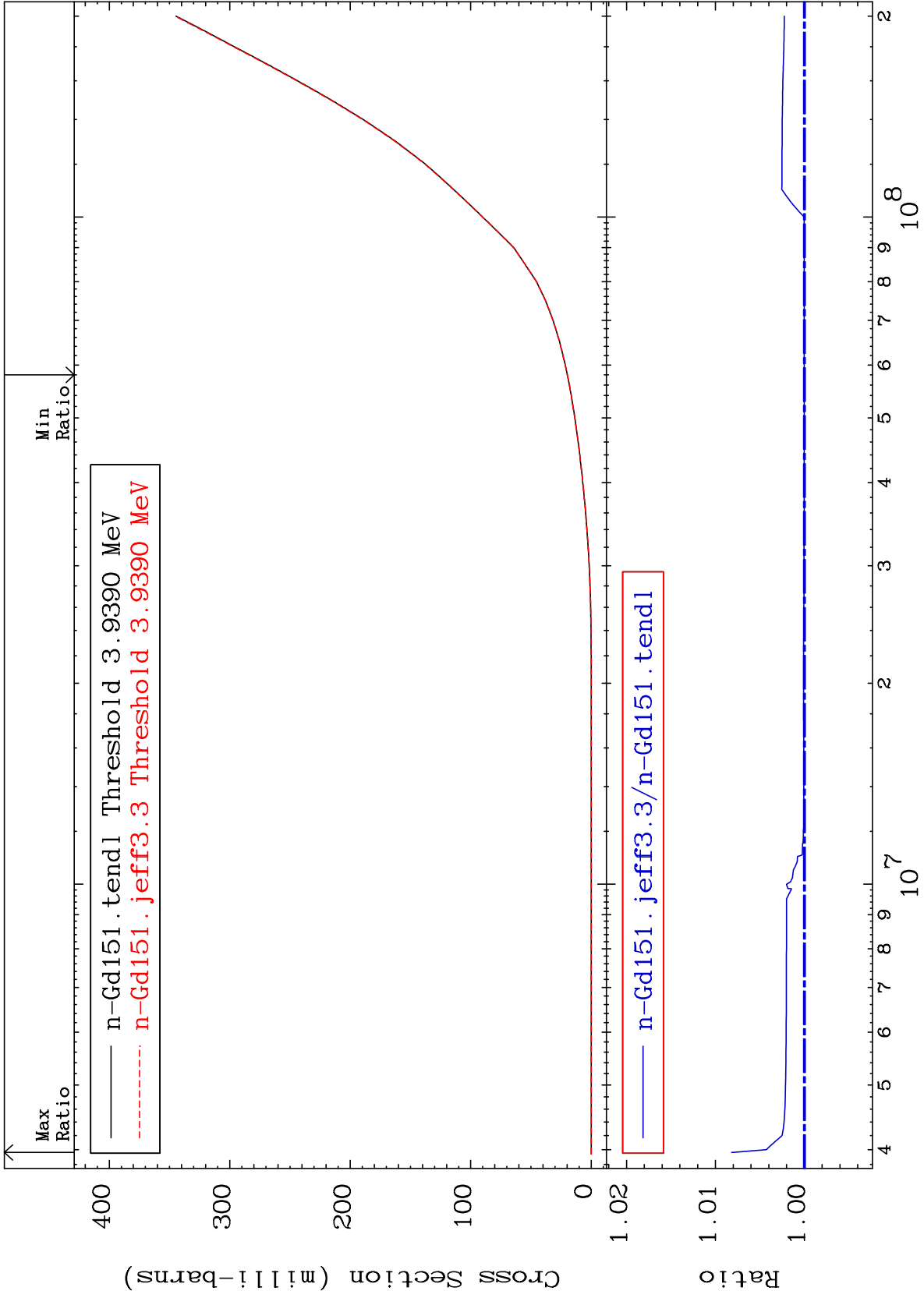


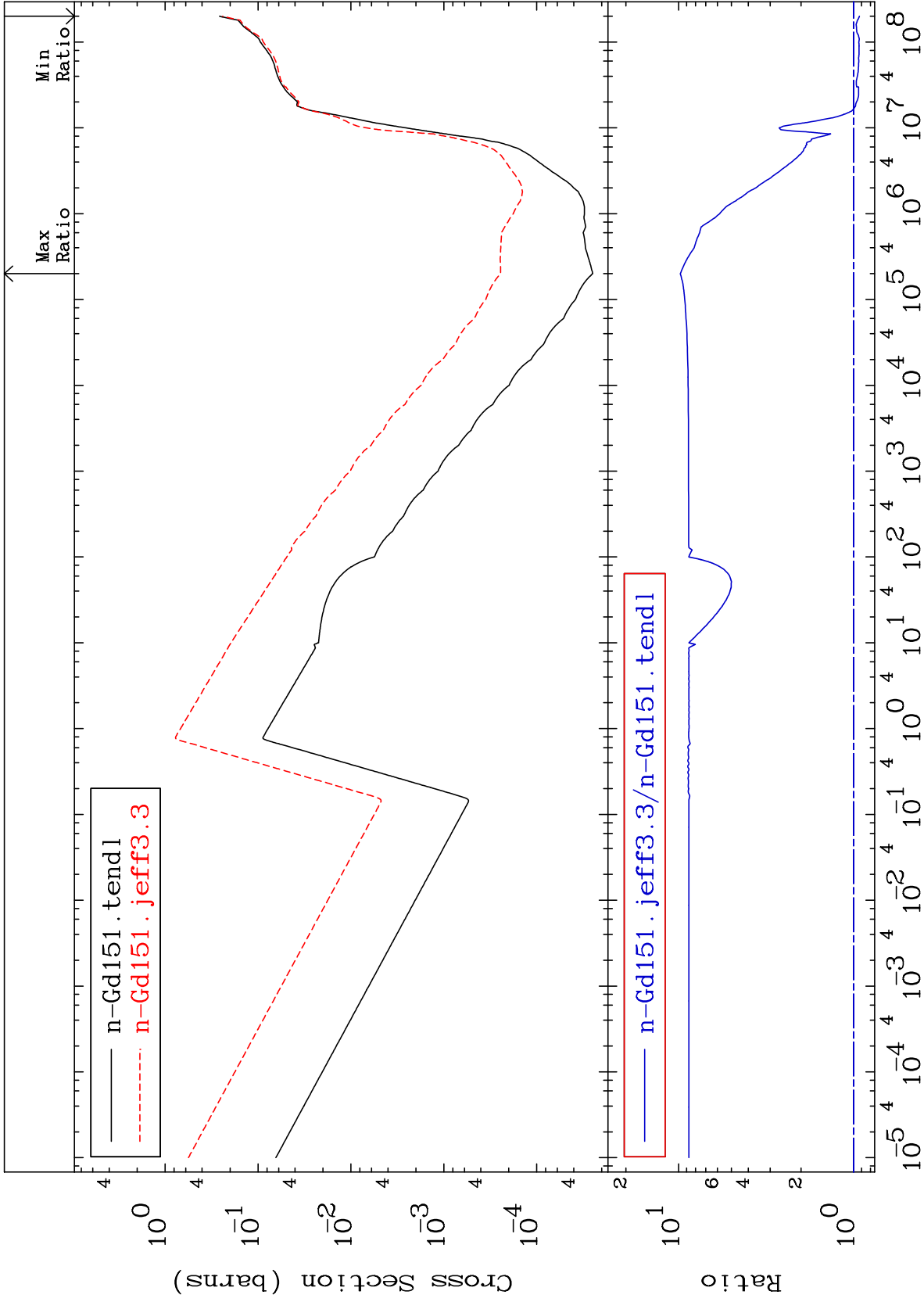


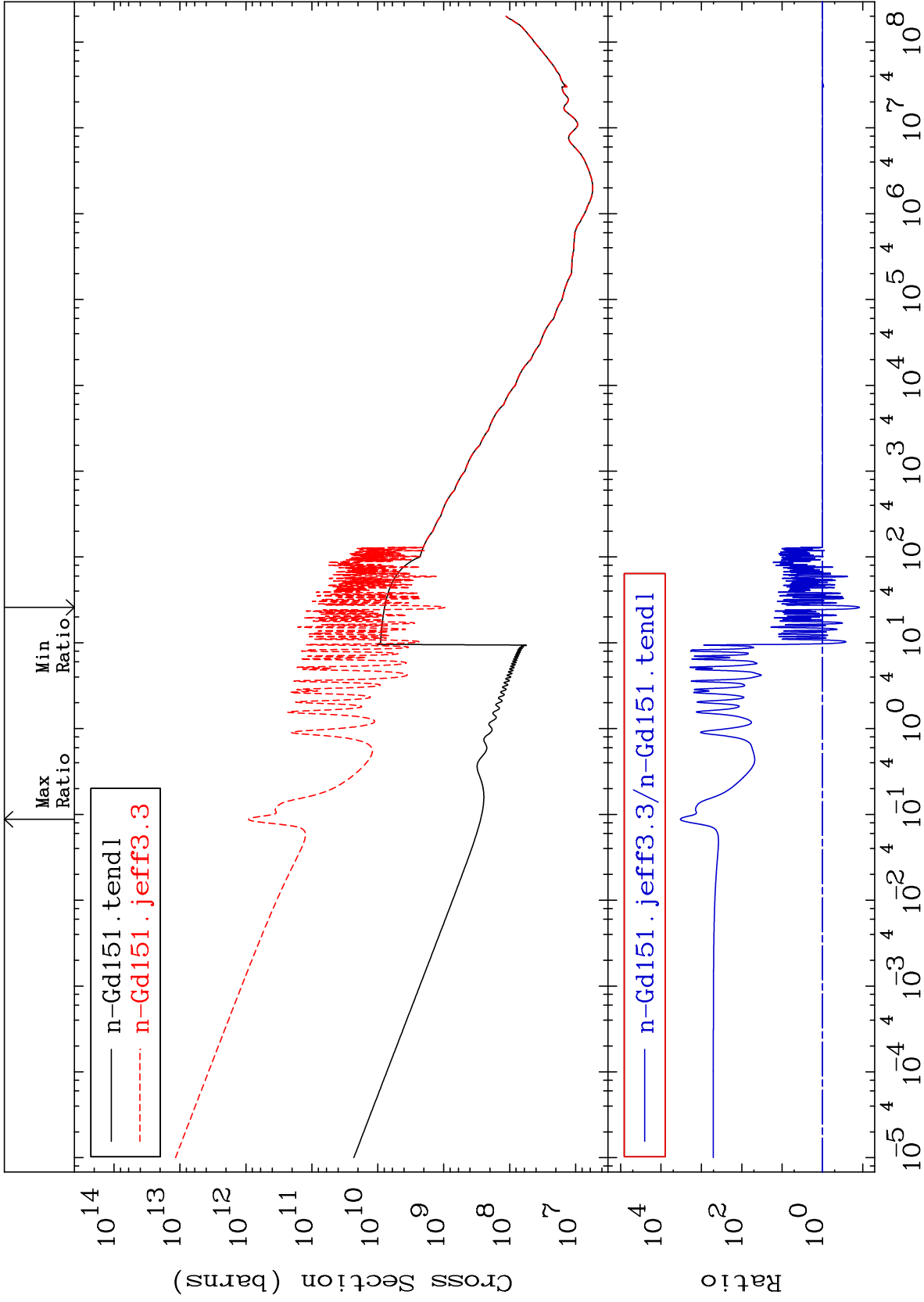
MAT 6422

He-3 Production  
Cross Section

64-Gd-151  
To 0.817 %



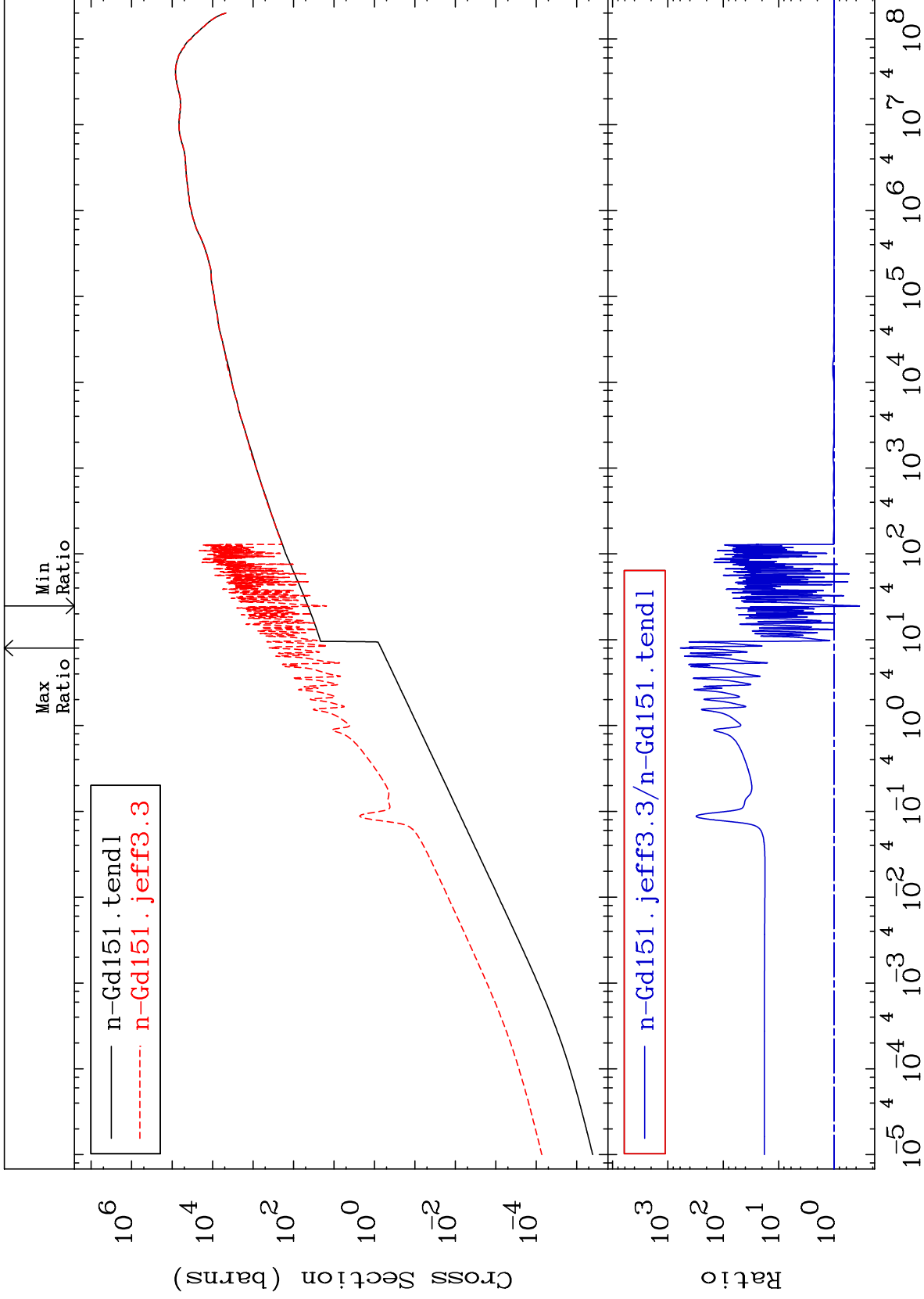




MAT 6422

Kerma elastic  
Cross Section

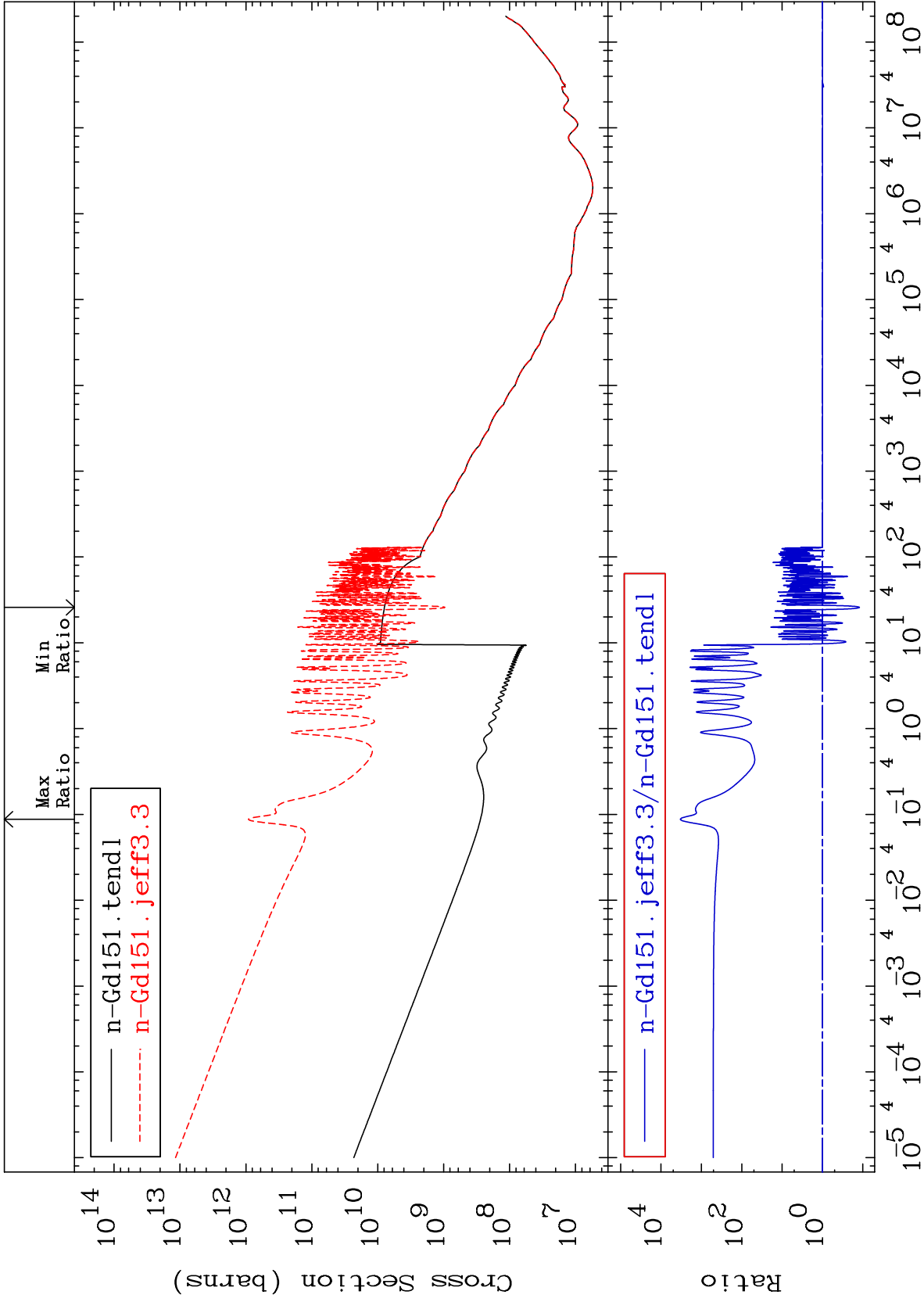
64-Gd-151  
-65.20 To 9999. %

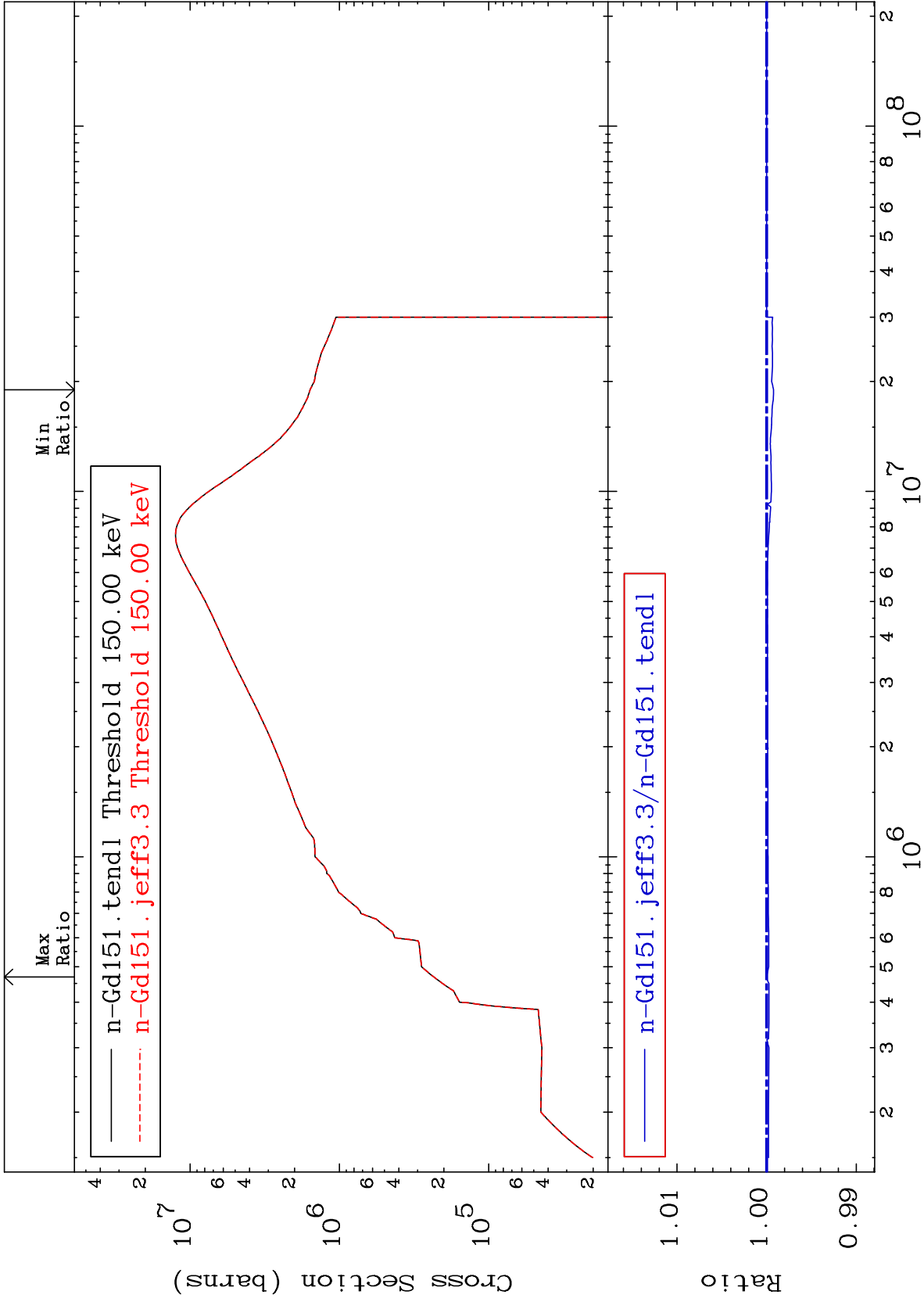


70

Incident Energy (eV)

64-Gd-151



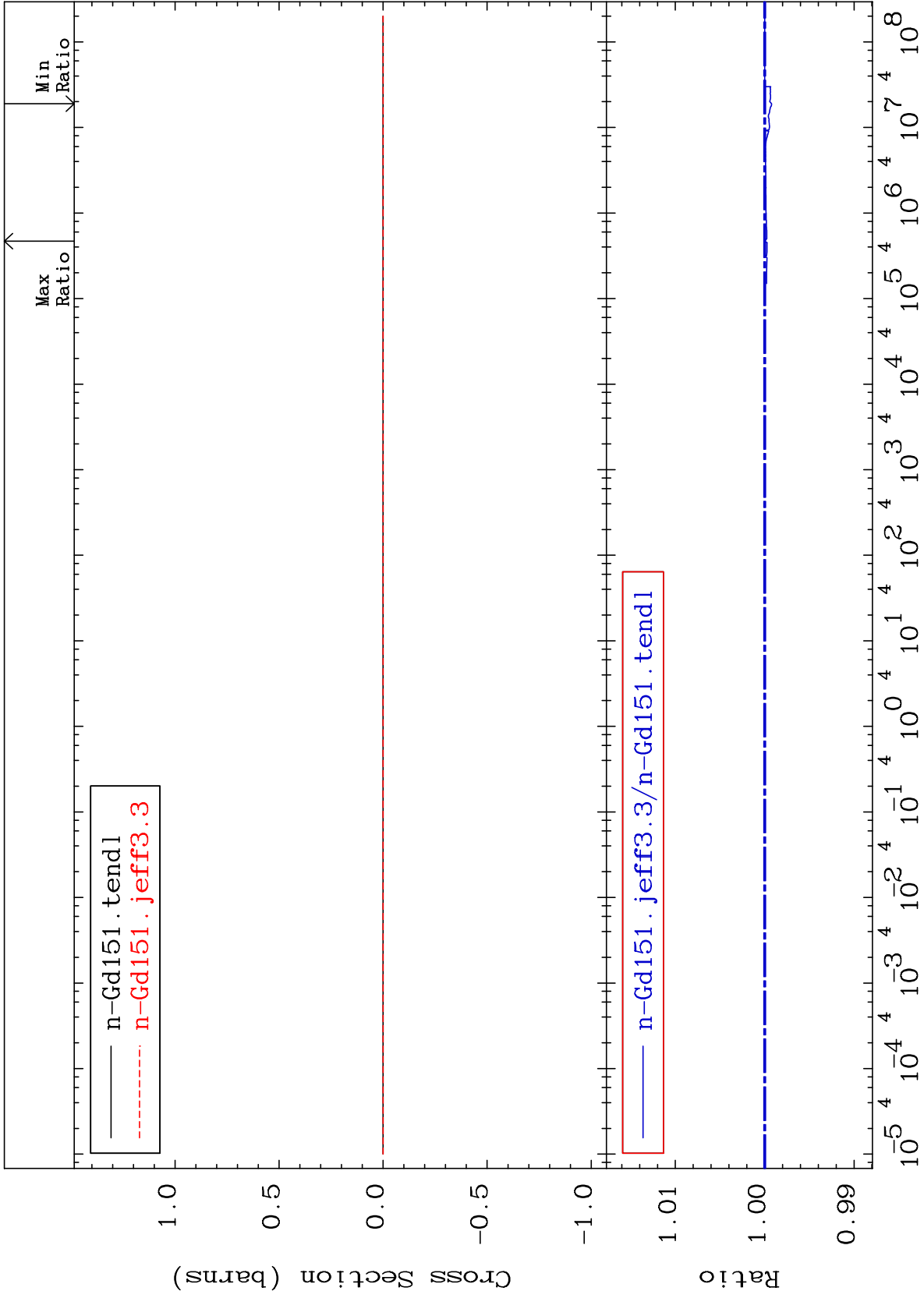


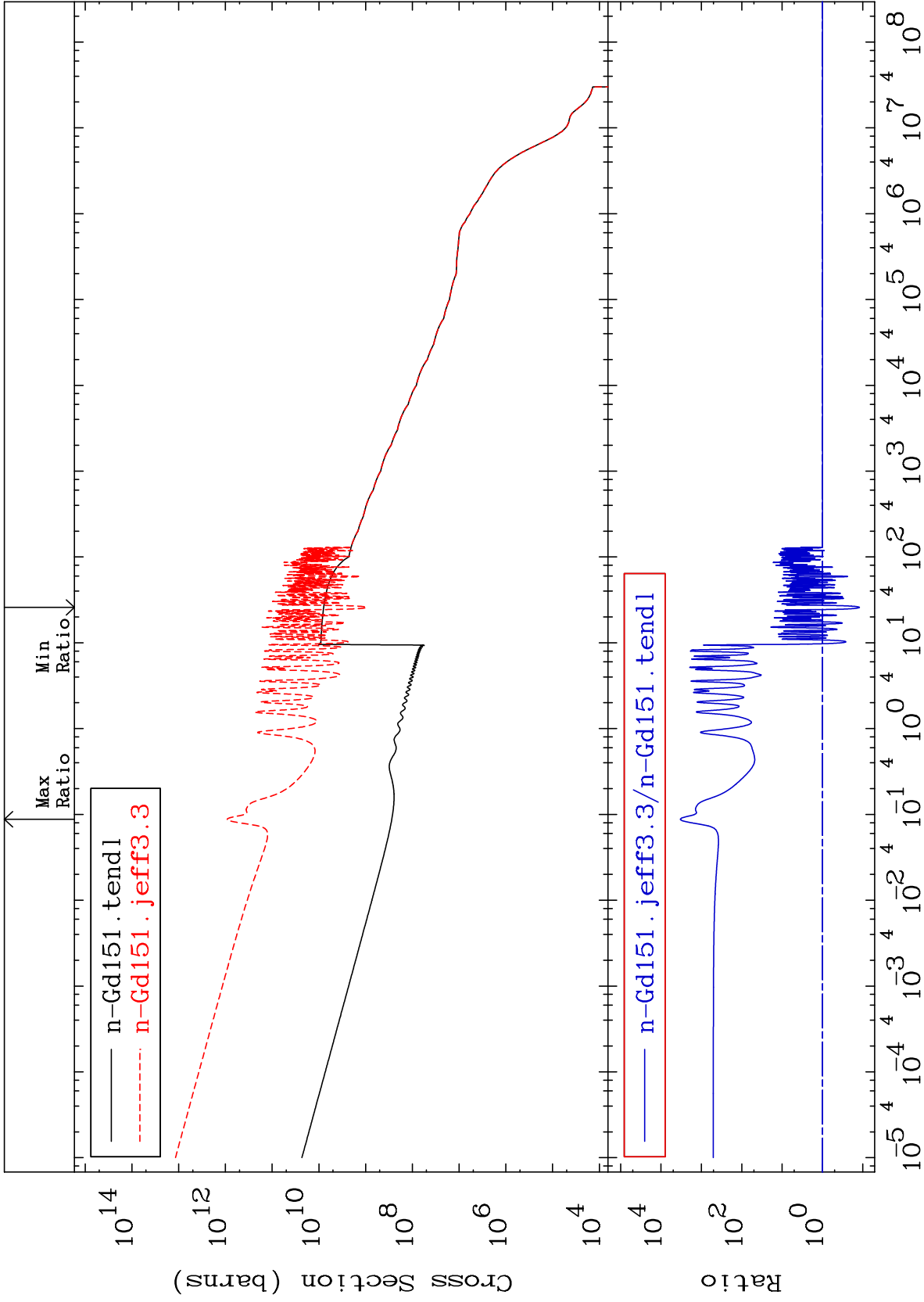


MAT 6422

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

64-Gd-151  
-0.076 To 0.003 %



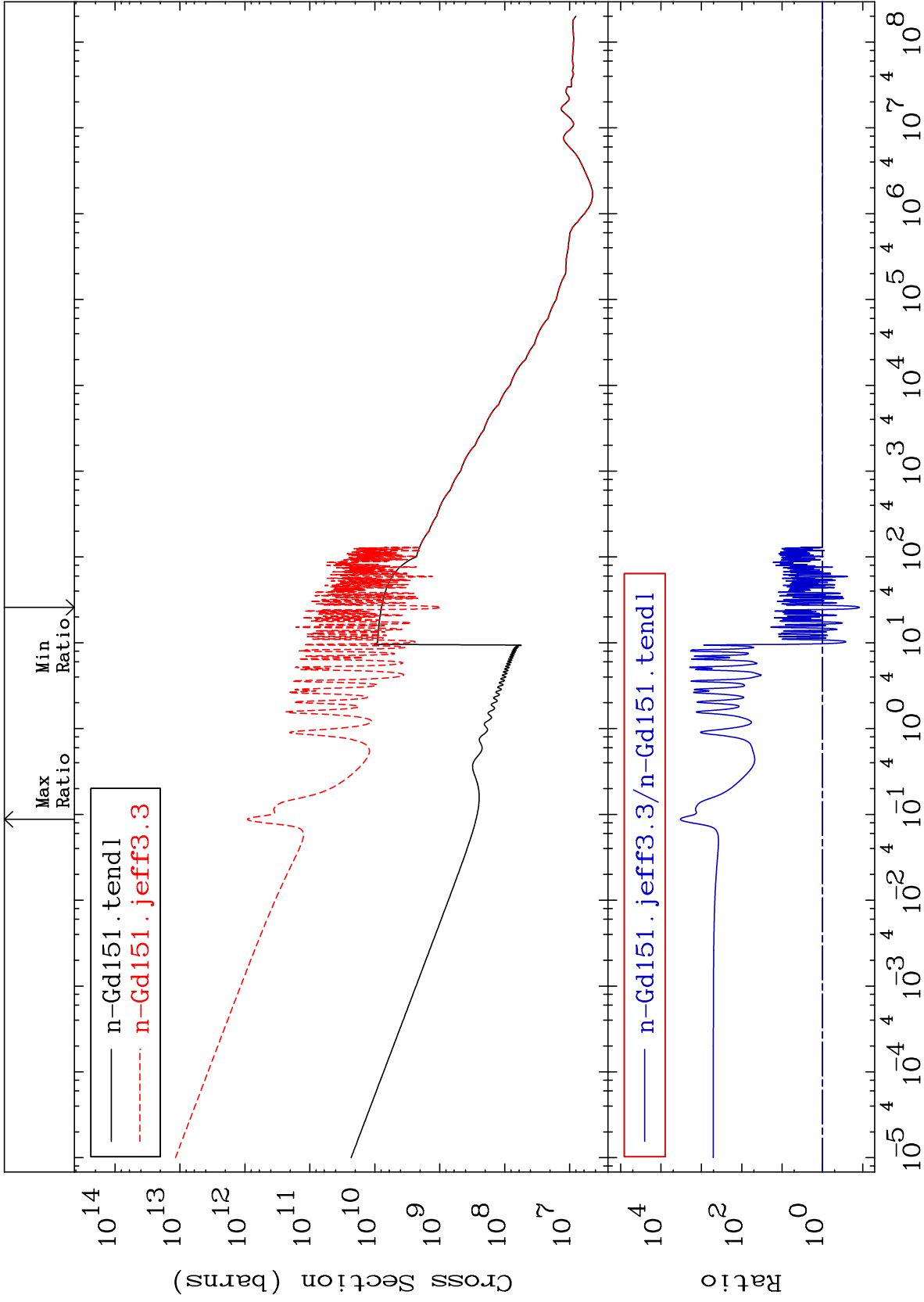


MAT 6422

Total photon (eV-barns)  
Cross Section

64-Gd-151

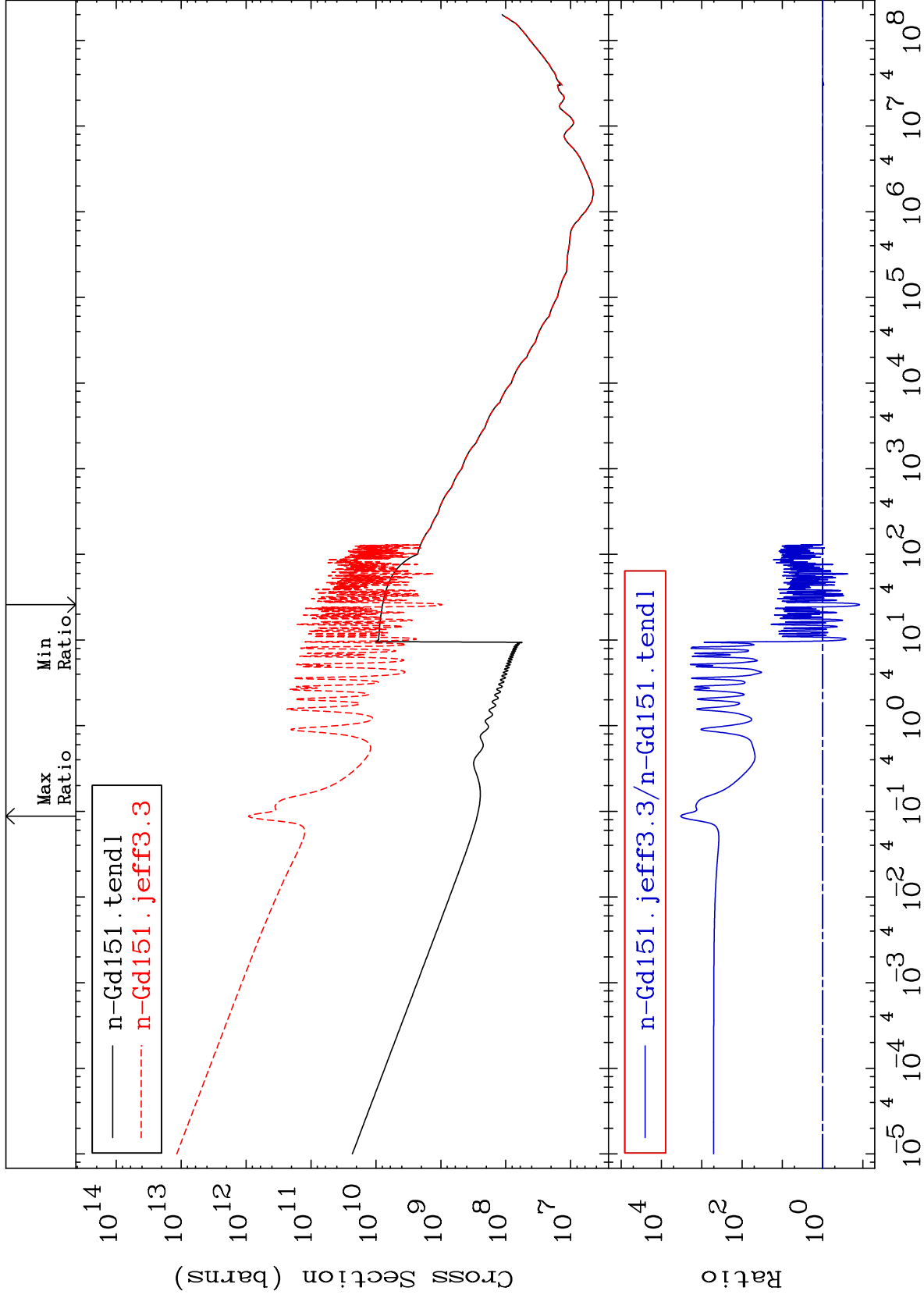
-87.87 To 9999. %



75

Incident Energy (eV)

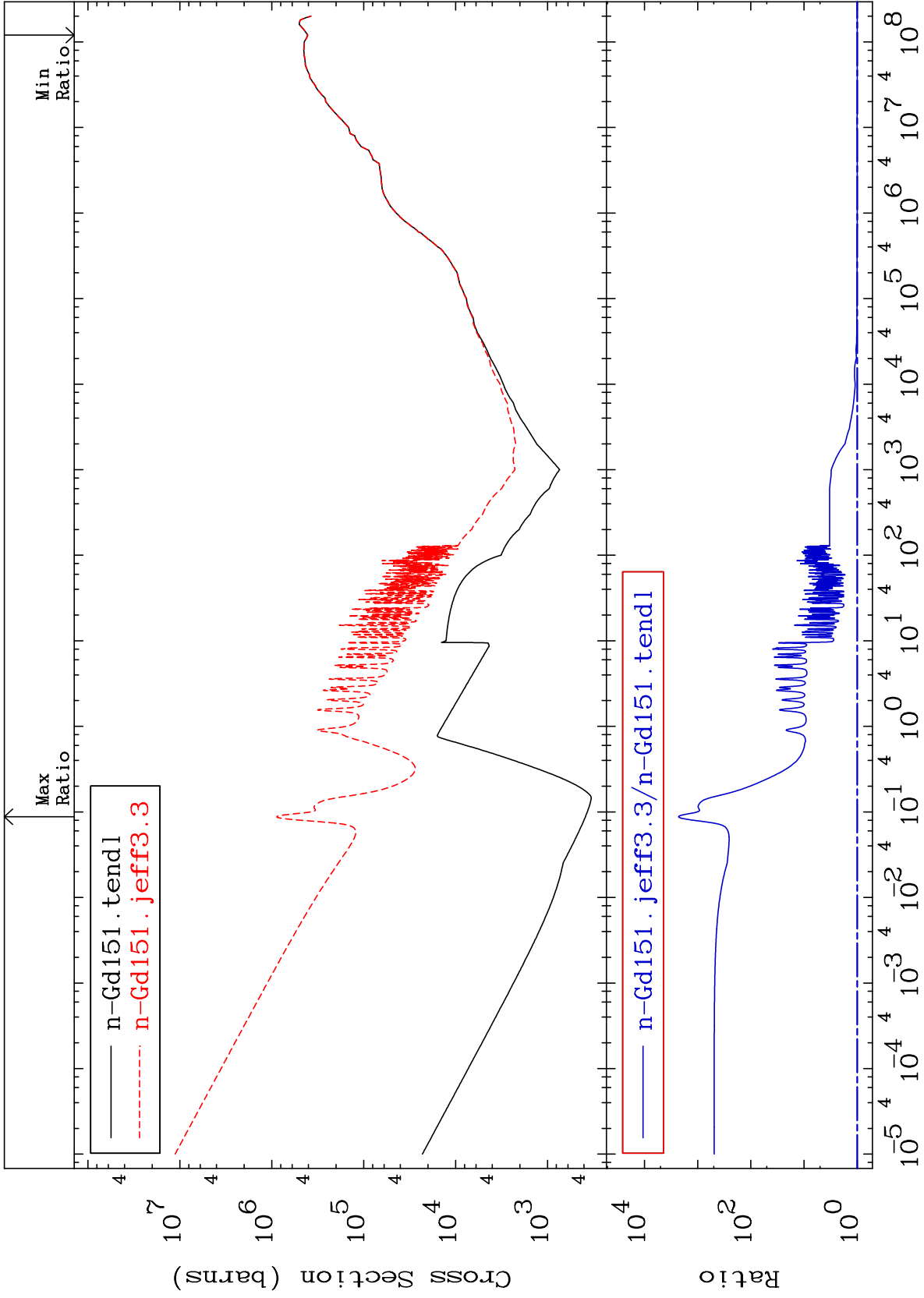
64-Gd-151

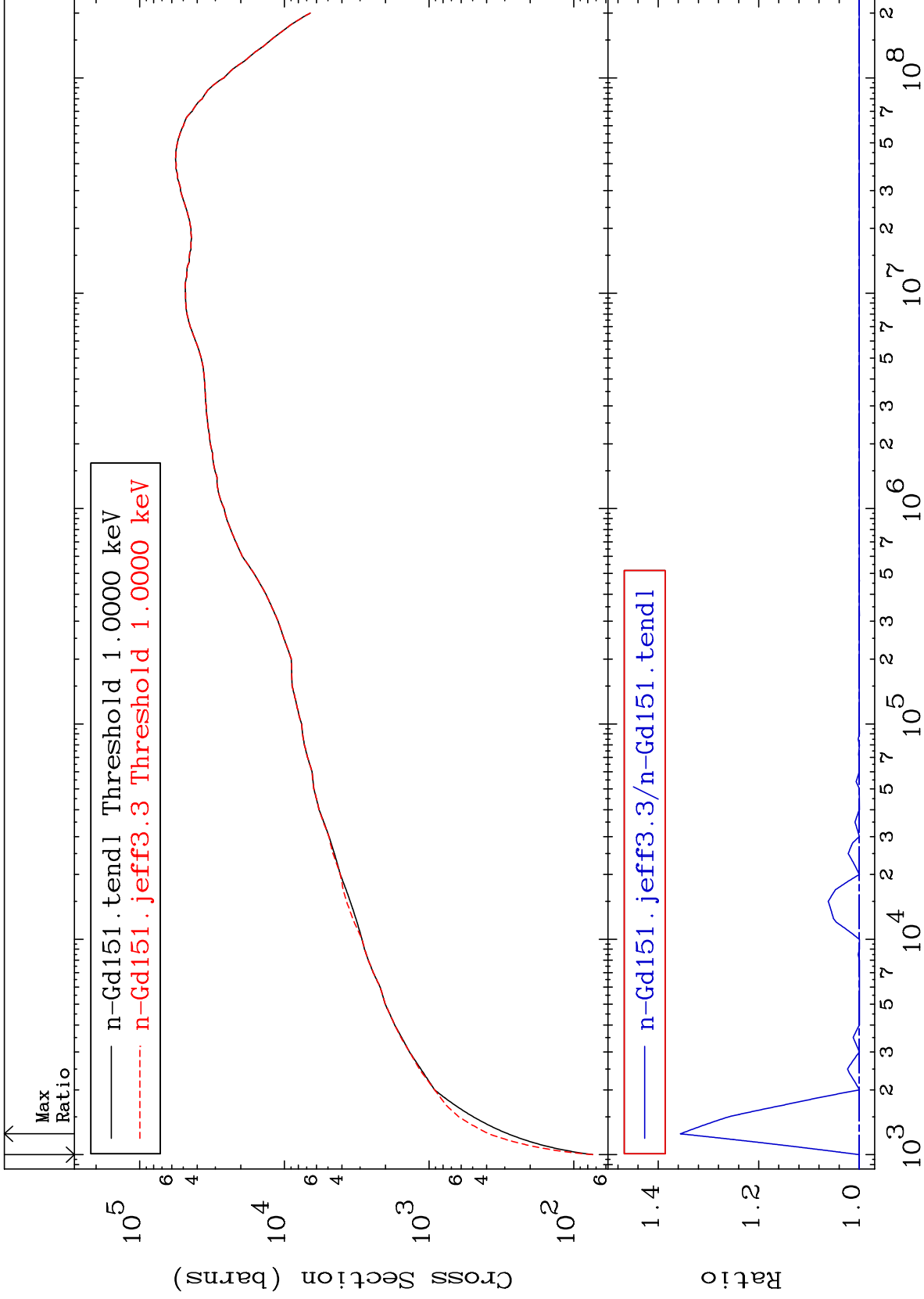


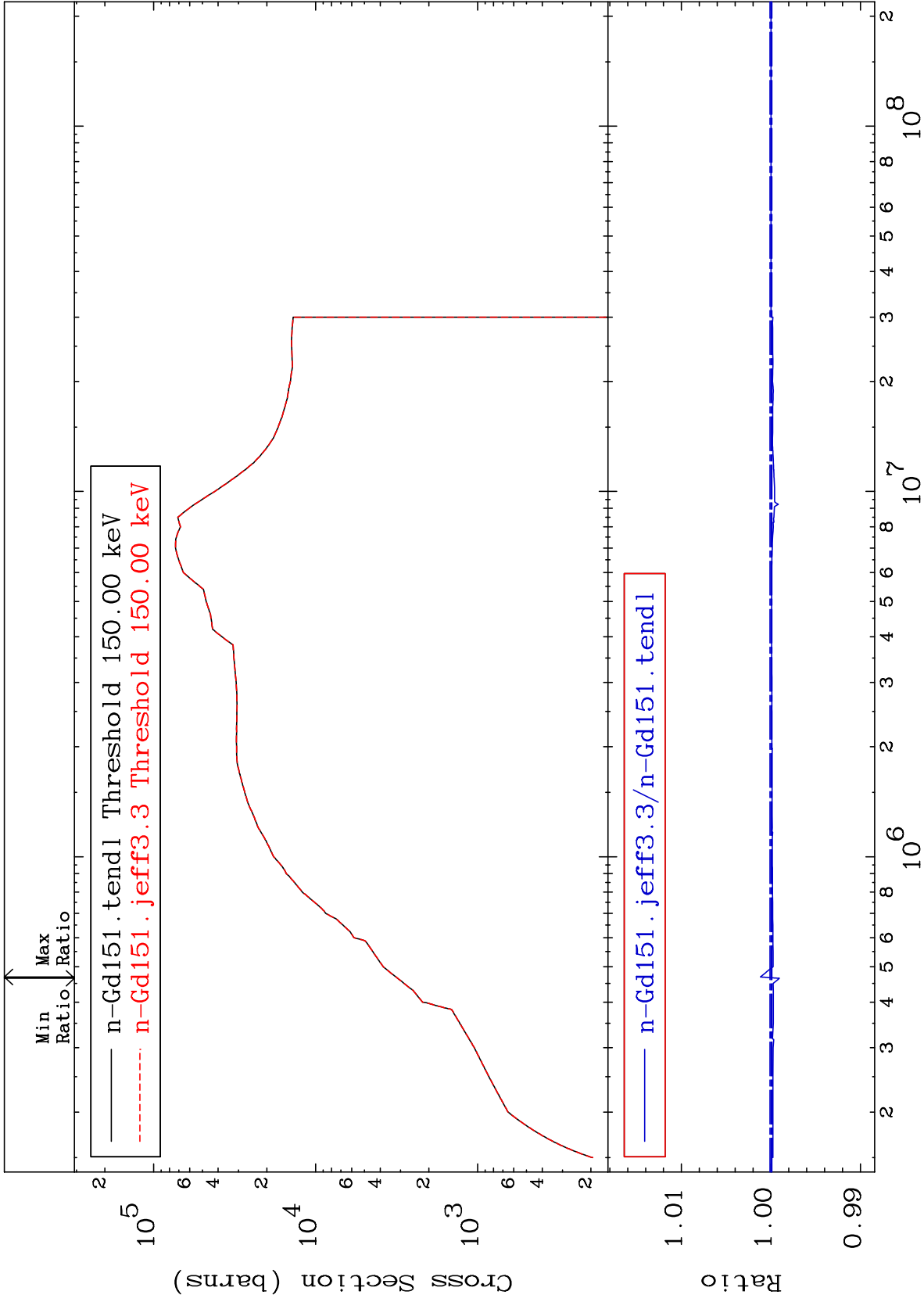
MAT 6422

Dpa total (eV-barns)  
Cross Section

64-Gd-151  
-0.351 To 9999. %



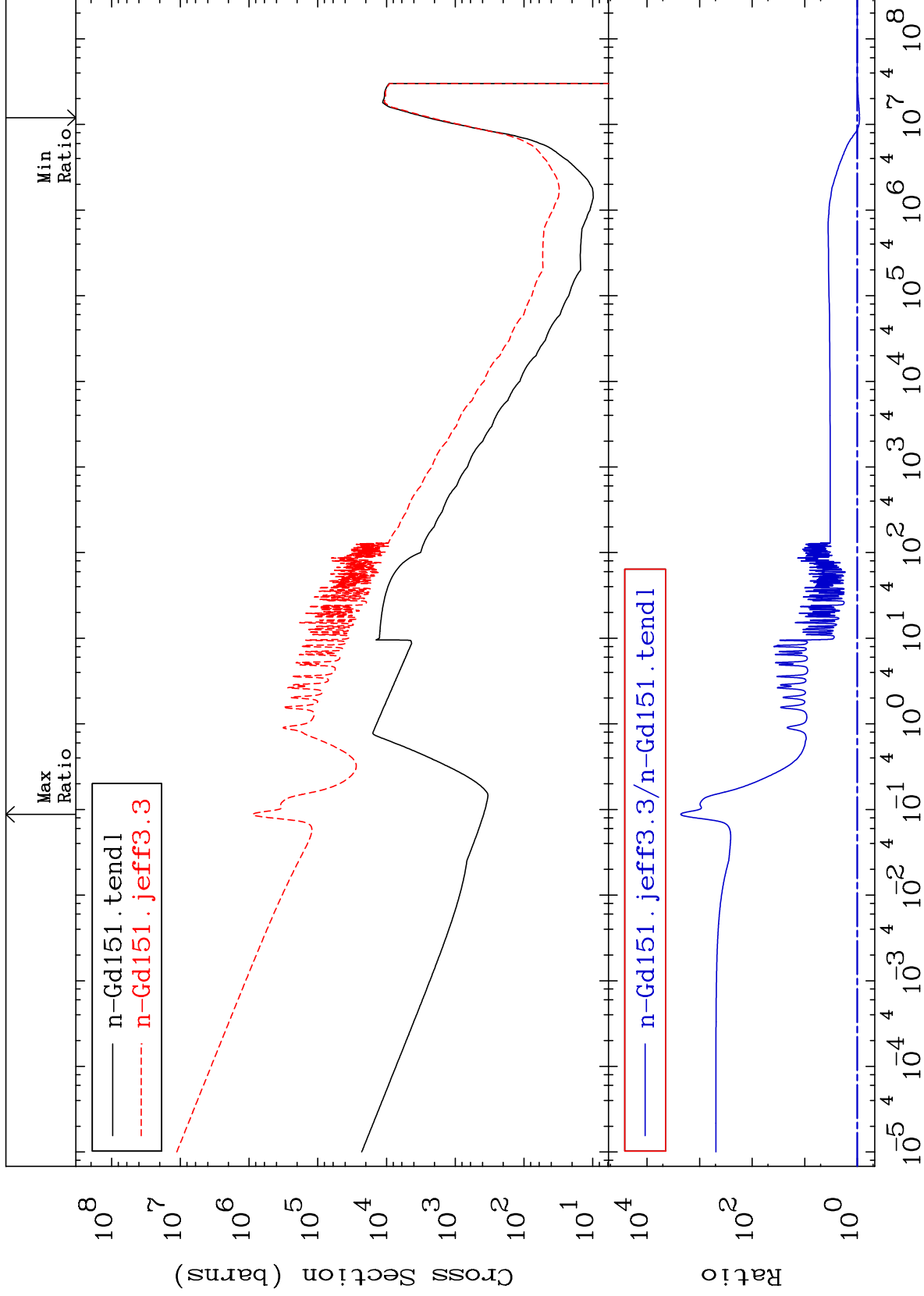




MAT 6422

Dpa disappearance (mt102 -120)  
Cross Section

64-Gd-151  
-9.388 To 9999. %



80

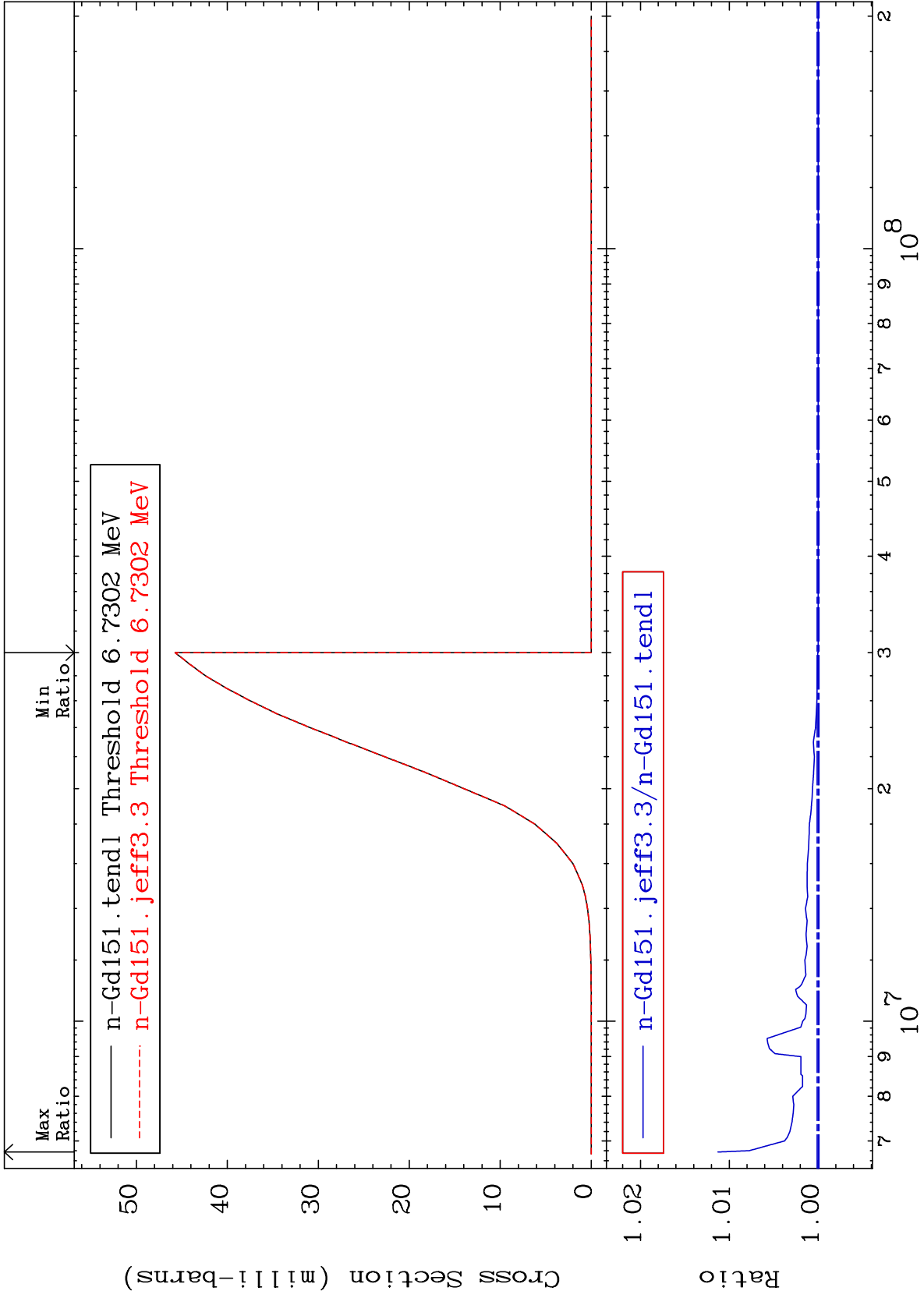
Incident Energy (eV)

64-Gd-151



MAT 6422

(n, n') p: 63-Eu-150g 64-Gd-151  
Radionuclide Production Cross Section 0.000 To 1.129 %



81

Incident Energy (eV)

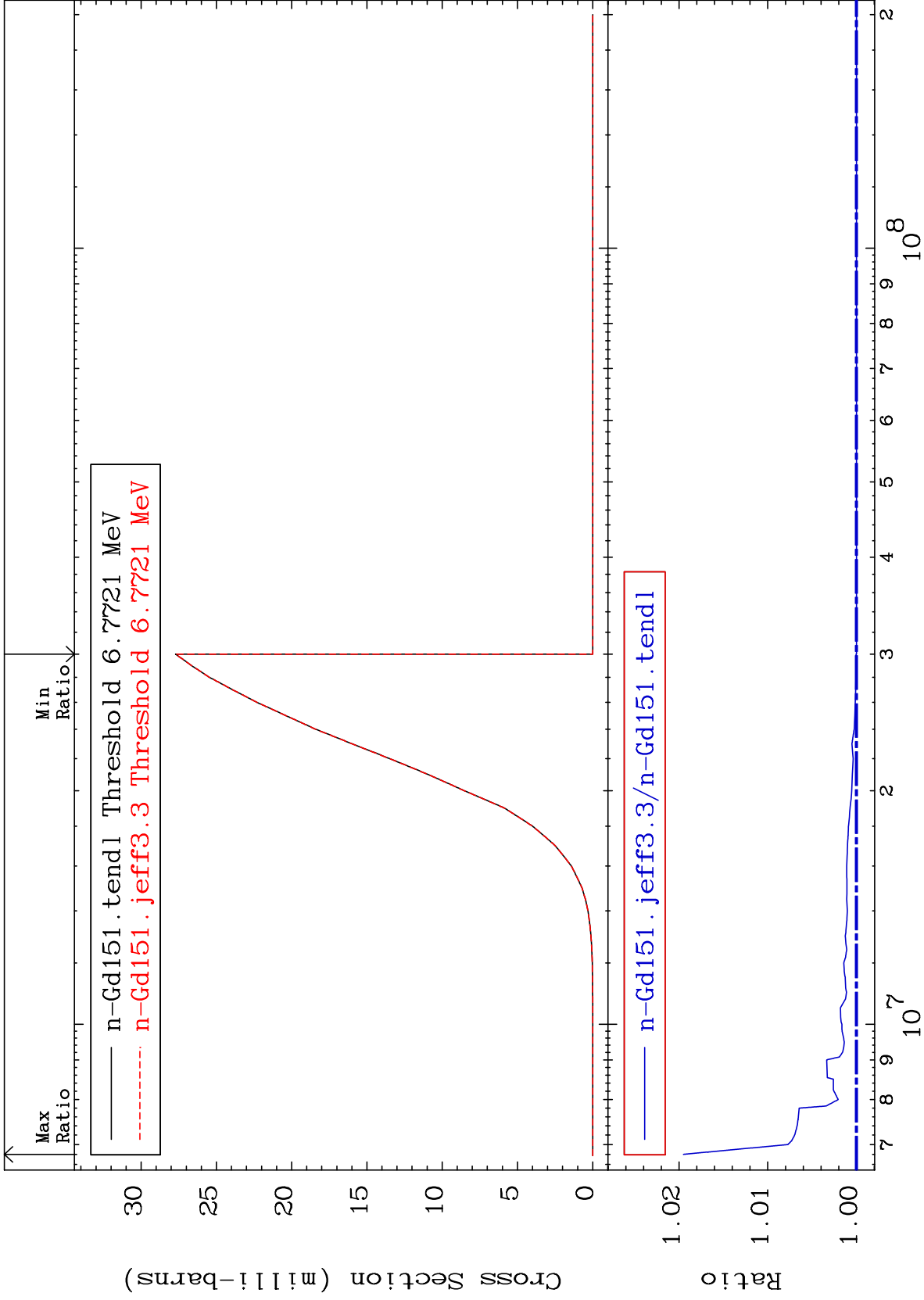
64-Gd-151

MAT 6422

(n, n') p:63-Eu-150m1

64-Gd-151

Radionuclide Production Cross Section 0.000 To 1.952 %

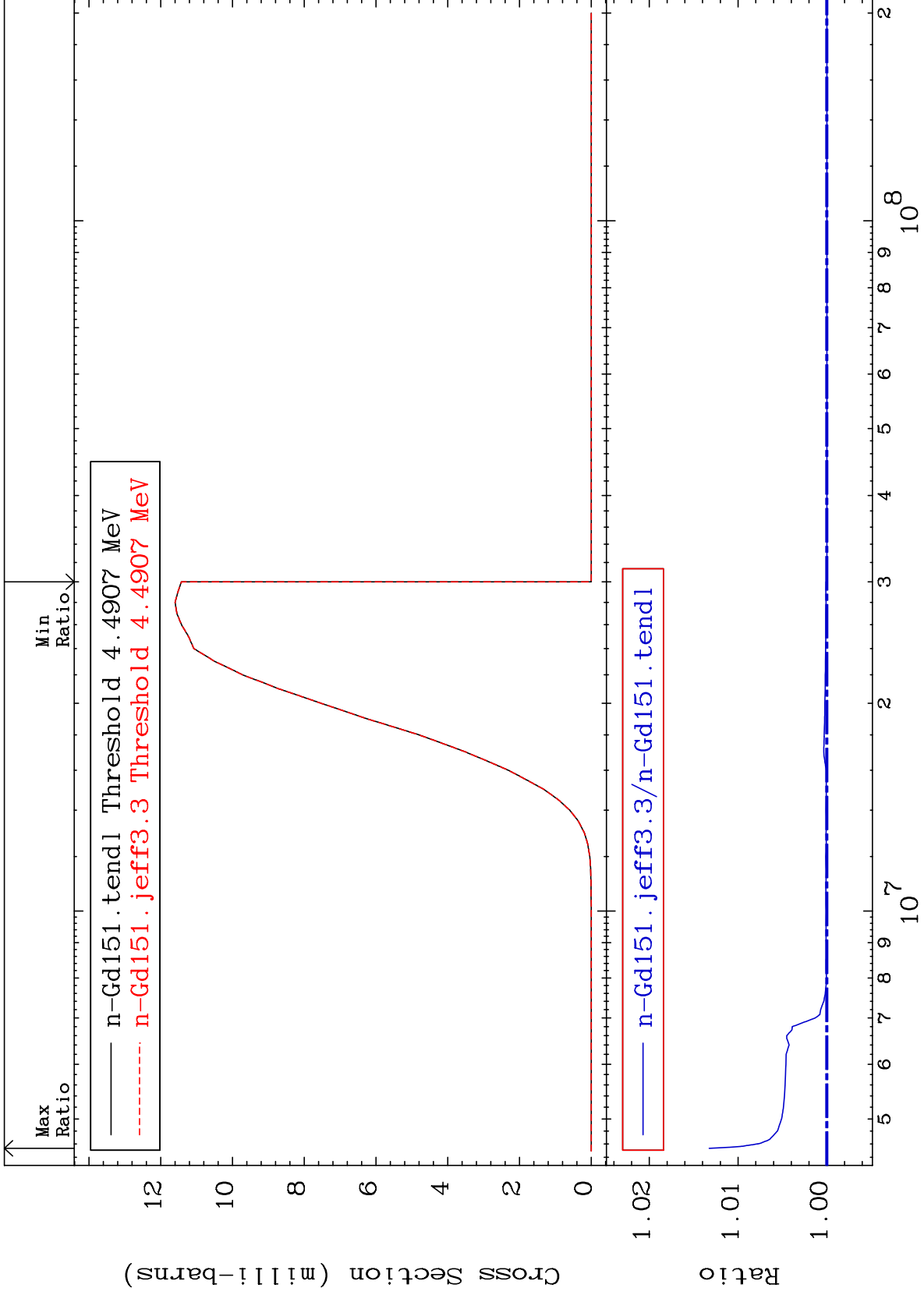


MAT 6422

(n, d) : 63-Eu-150g

64-Gd-151

Radionuclide Production Cross Section 0.000 To 1.327 %

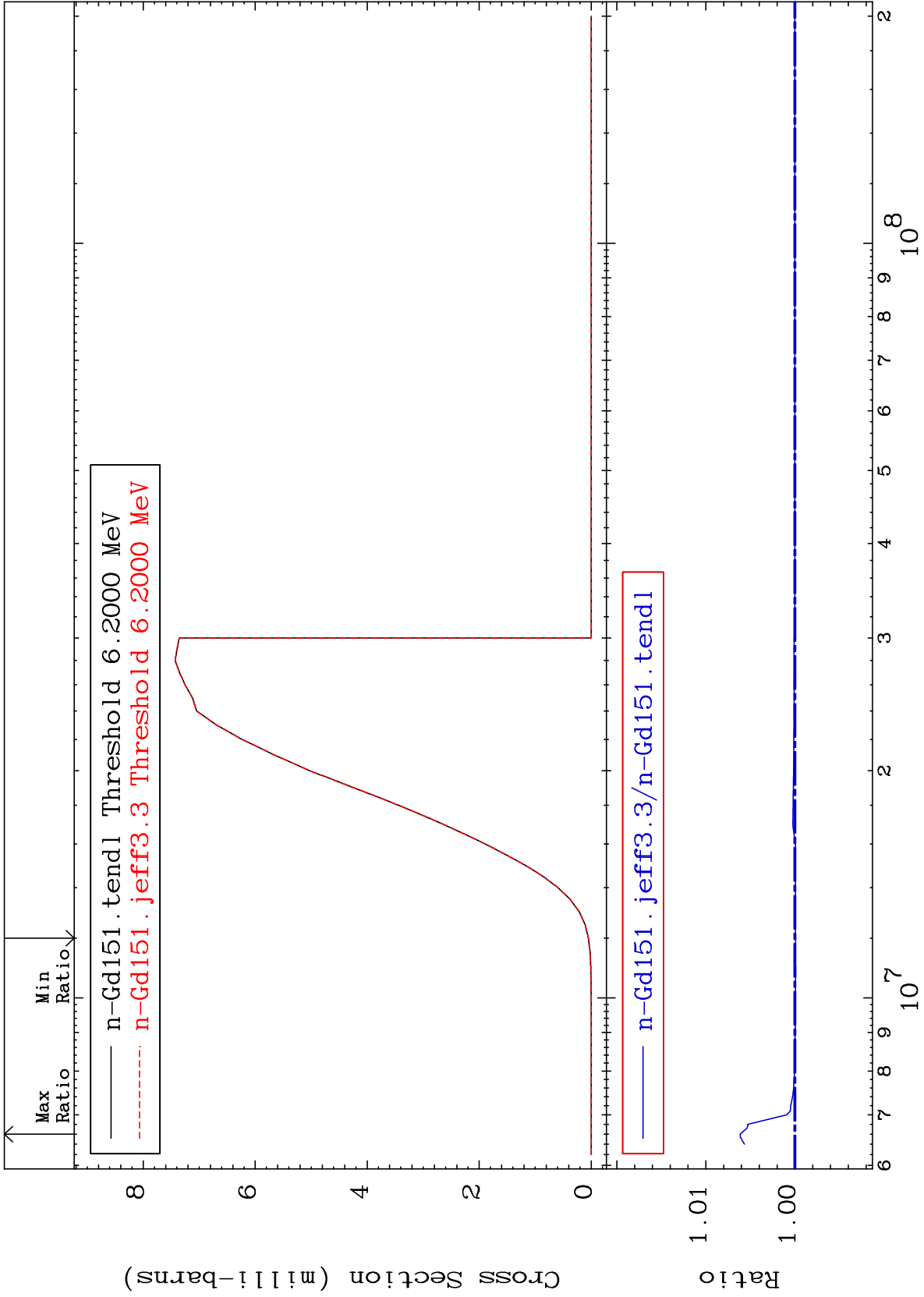


MAT 6422

(n, d) : 63-Eu-150m1

64-Gd-151

Radionuclide Production Cross Section -0.008 To 0.614 %



84

Incident Energy (eV)

64-Gd-151