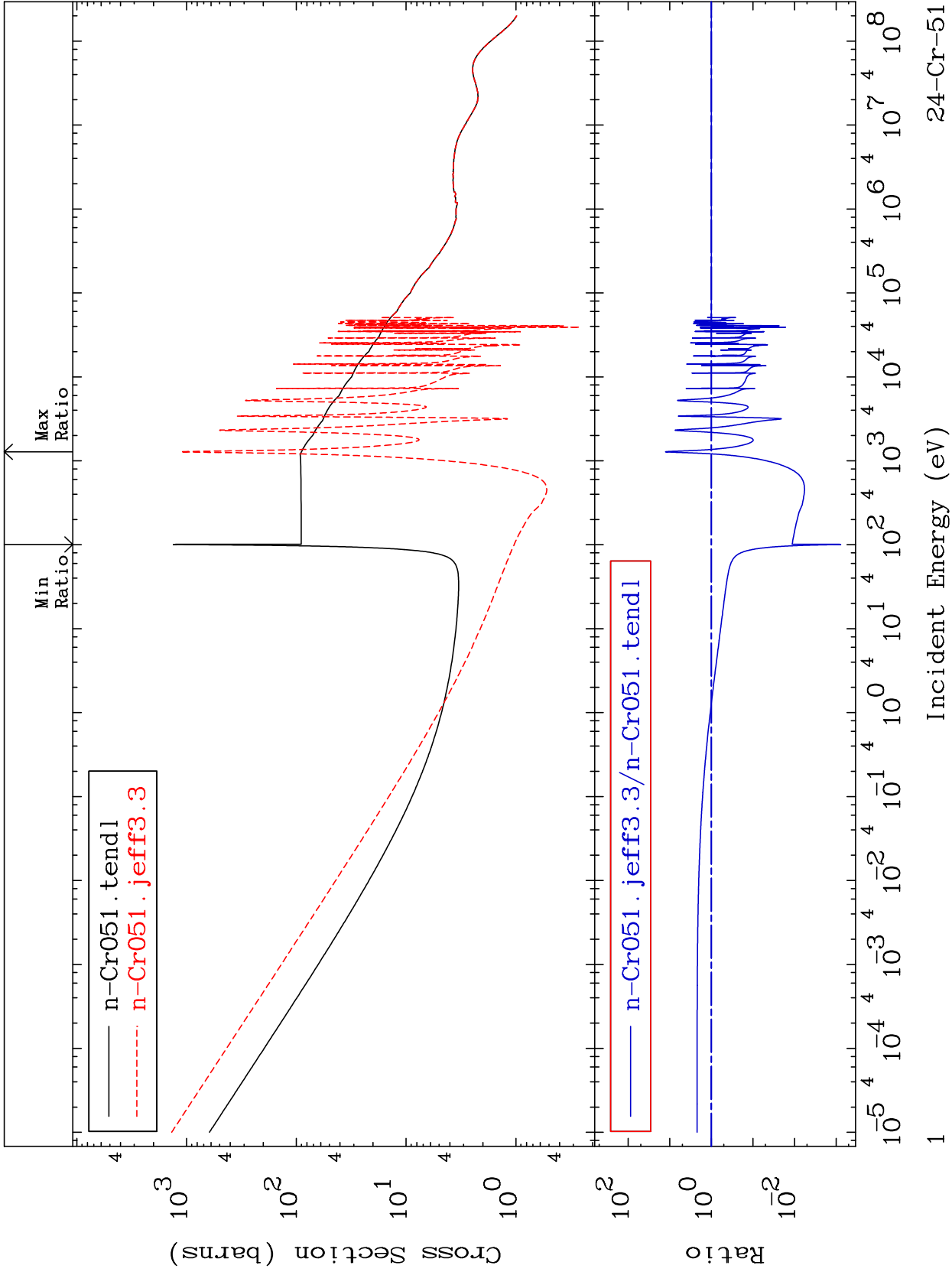


MAT 2428

Total Cross Section  
24-Cr-51  
-99.92 To 1166. %

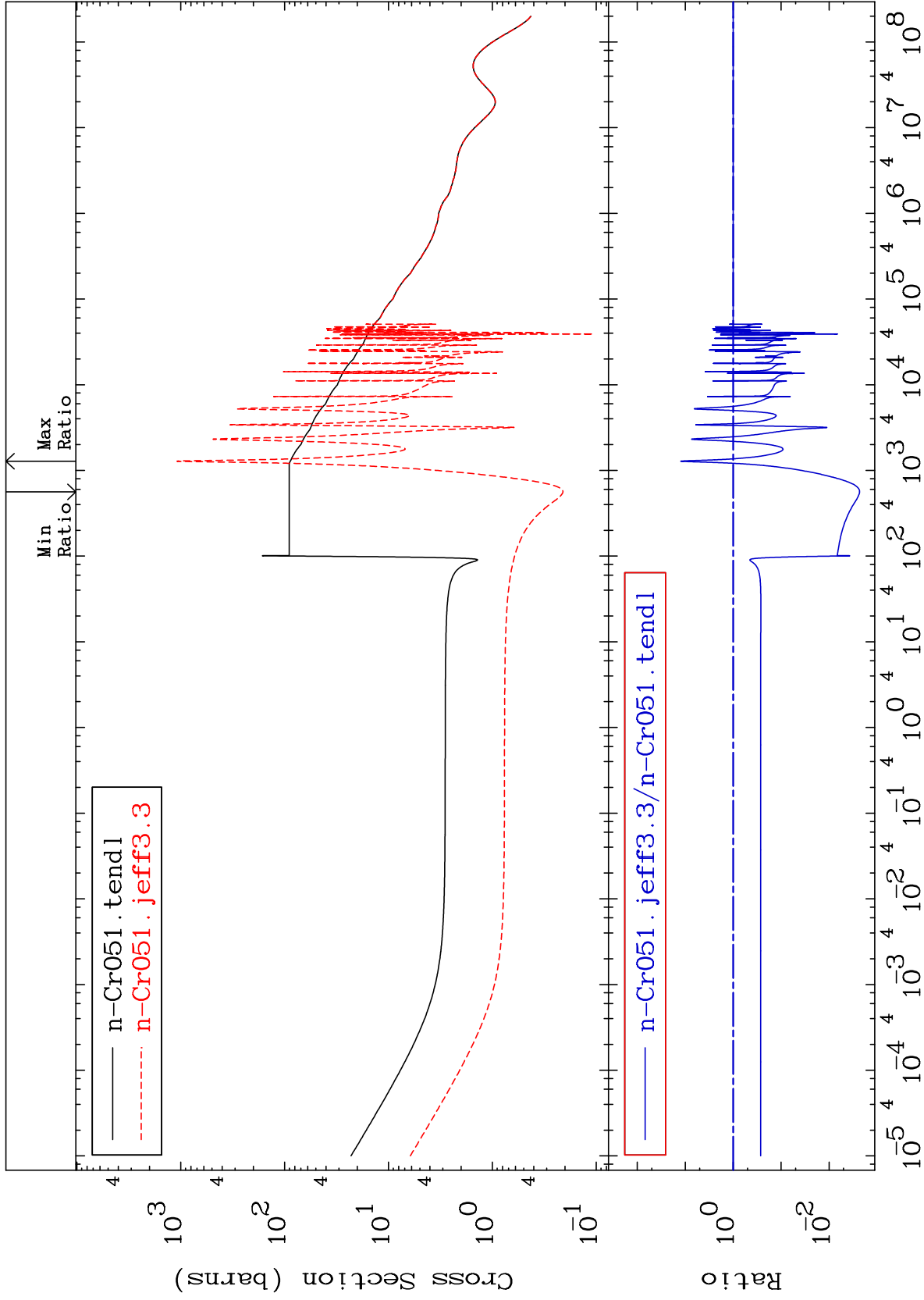


24-Cr-51

MAT 2428

Elastic  
Cross Section

<sup>24</sup>Cr-51  
-99.77 To 1139. %



2

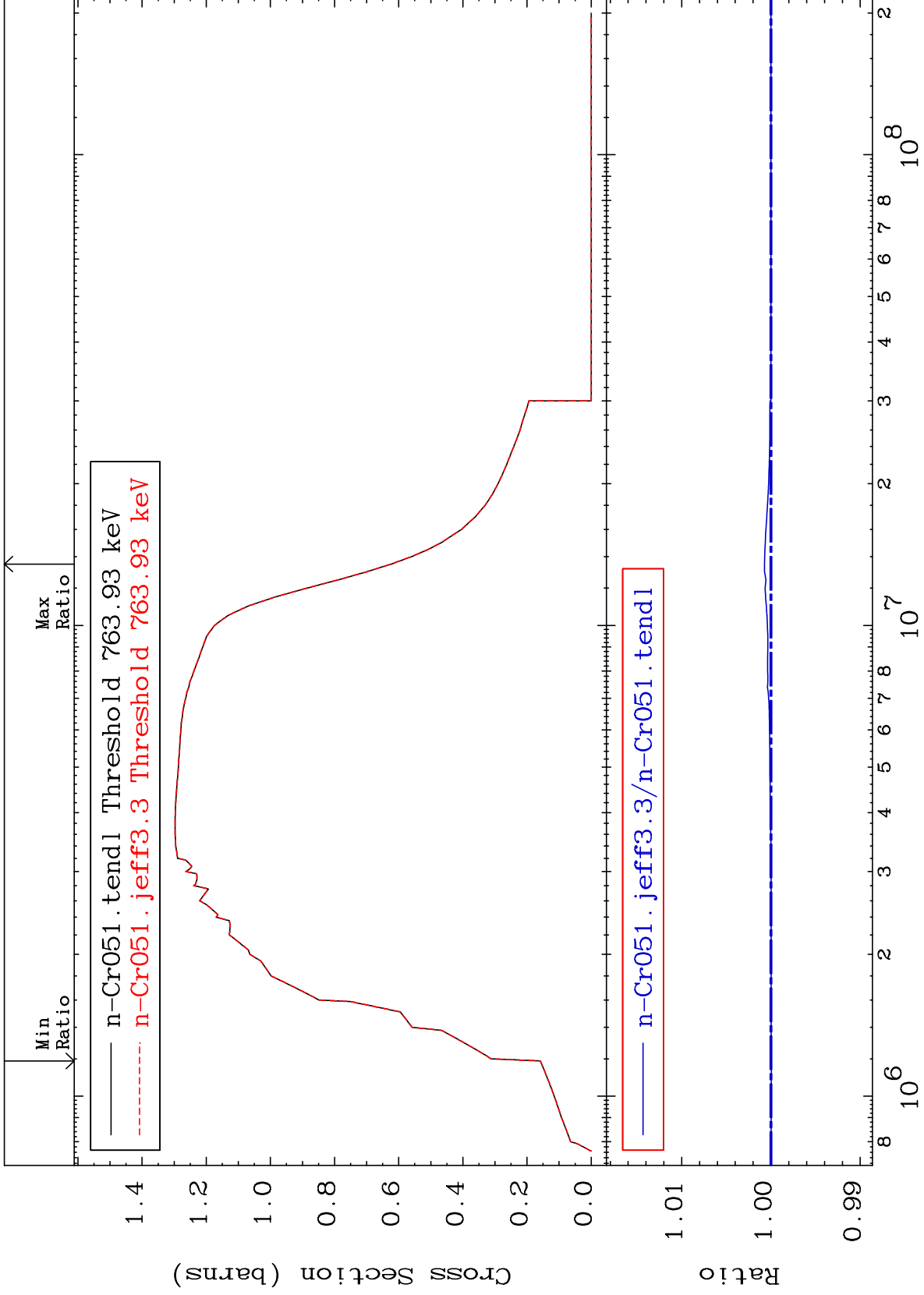
Incident Energy (eV)

<sup>24</sup>Cr-51

MAT 2428

Inelastic  
Cross Section

24-Cr-51  
-0.004 To 0.072 %



Min Ratio  
Max Ratio

— n-Cr051.tendl Threshold 763.93 keV  
- - - n-Cr051.jeff3.3 Threshold 763.93 keV

— n-Cr051.jeff3.3/n-Cr051.tendl

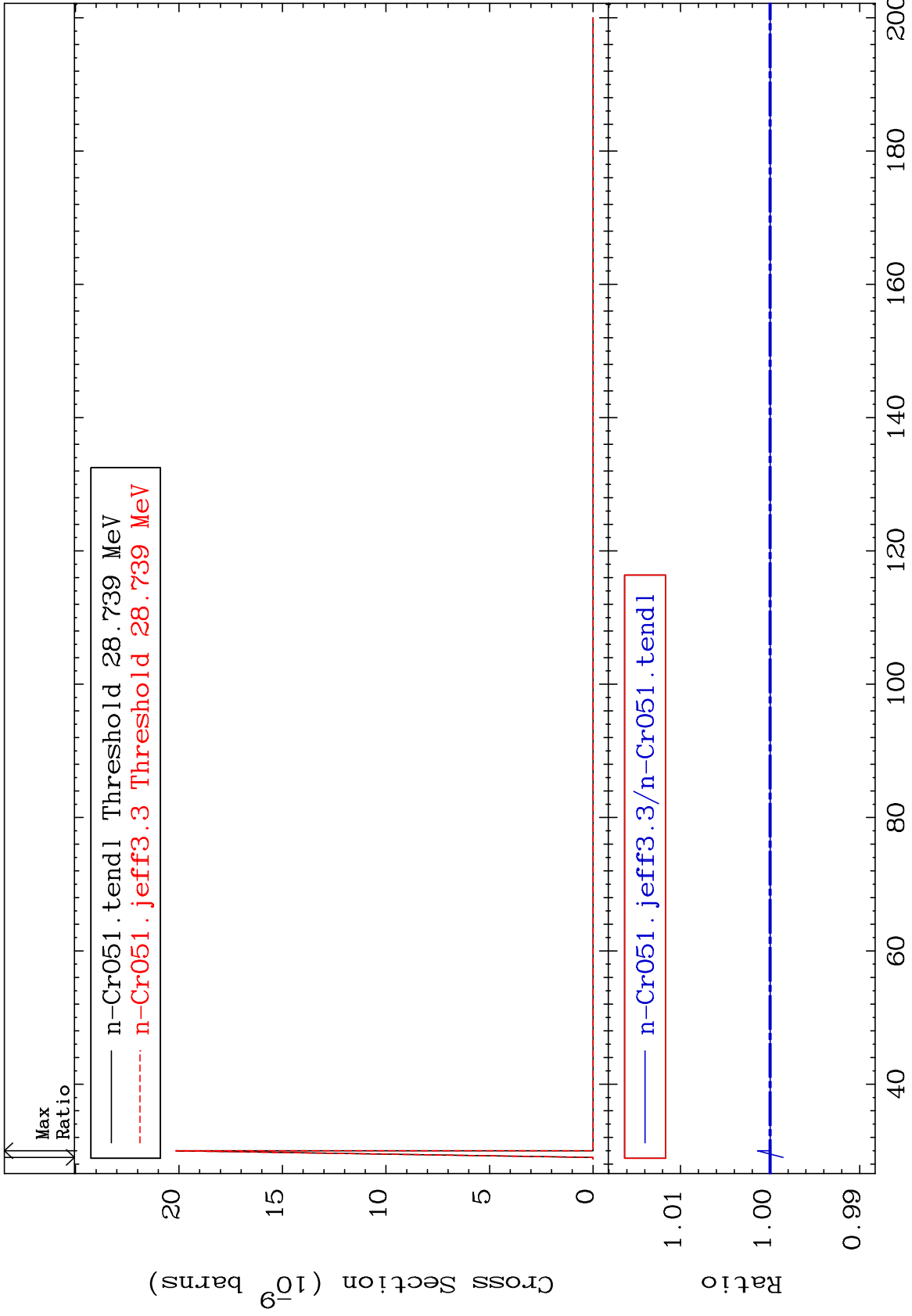
Incident Energy (eV)

24-Cr-51

MAT 2428

(n,2n) d  
Cross Section

24-Cr-51  
-0.145 To 0.141 %



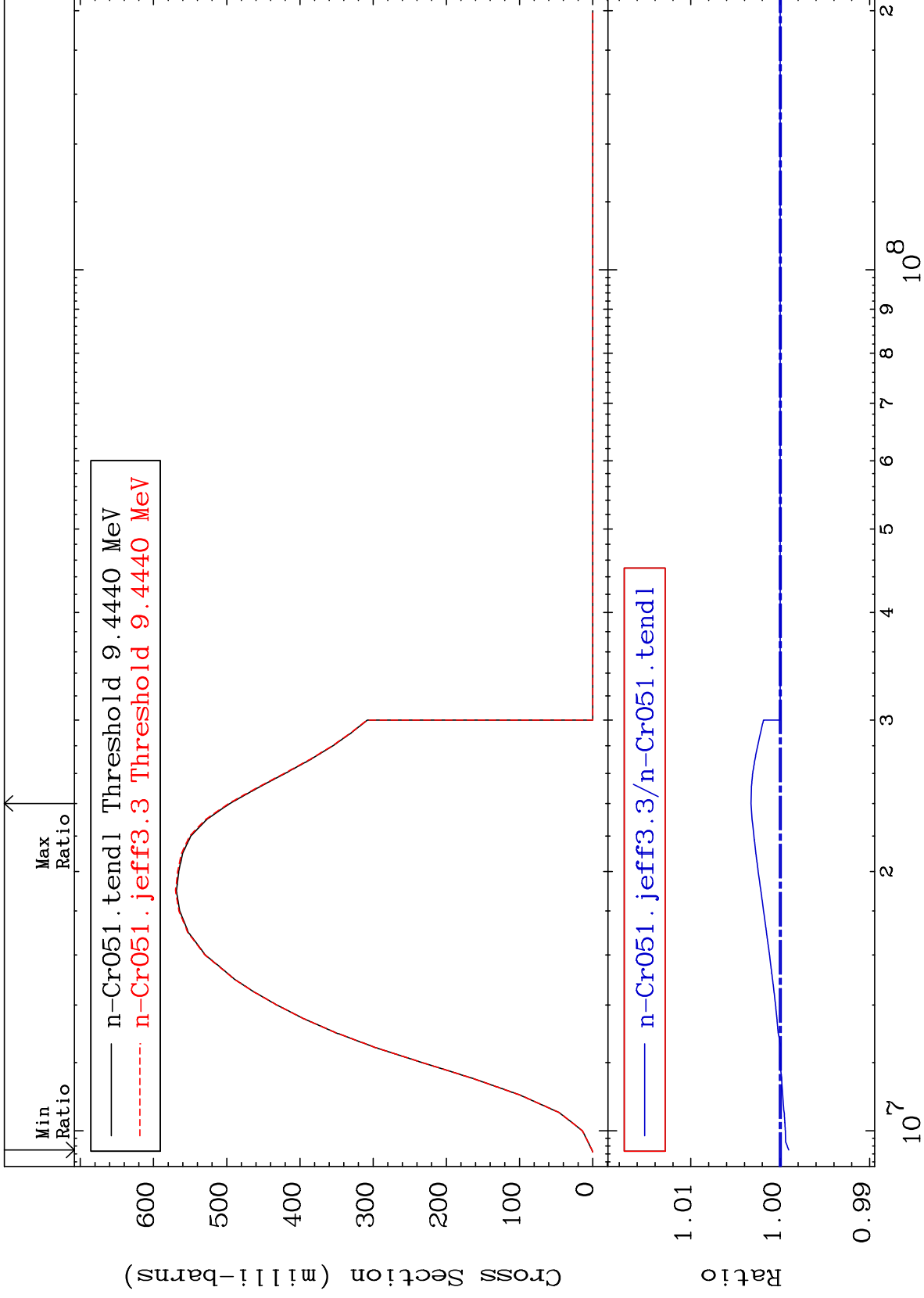
MAT 2428

(n,2n)

<sup>24</sup>Cr-51

Cross Section

-0.094 To 0.326 %



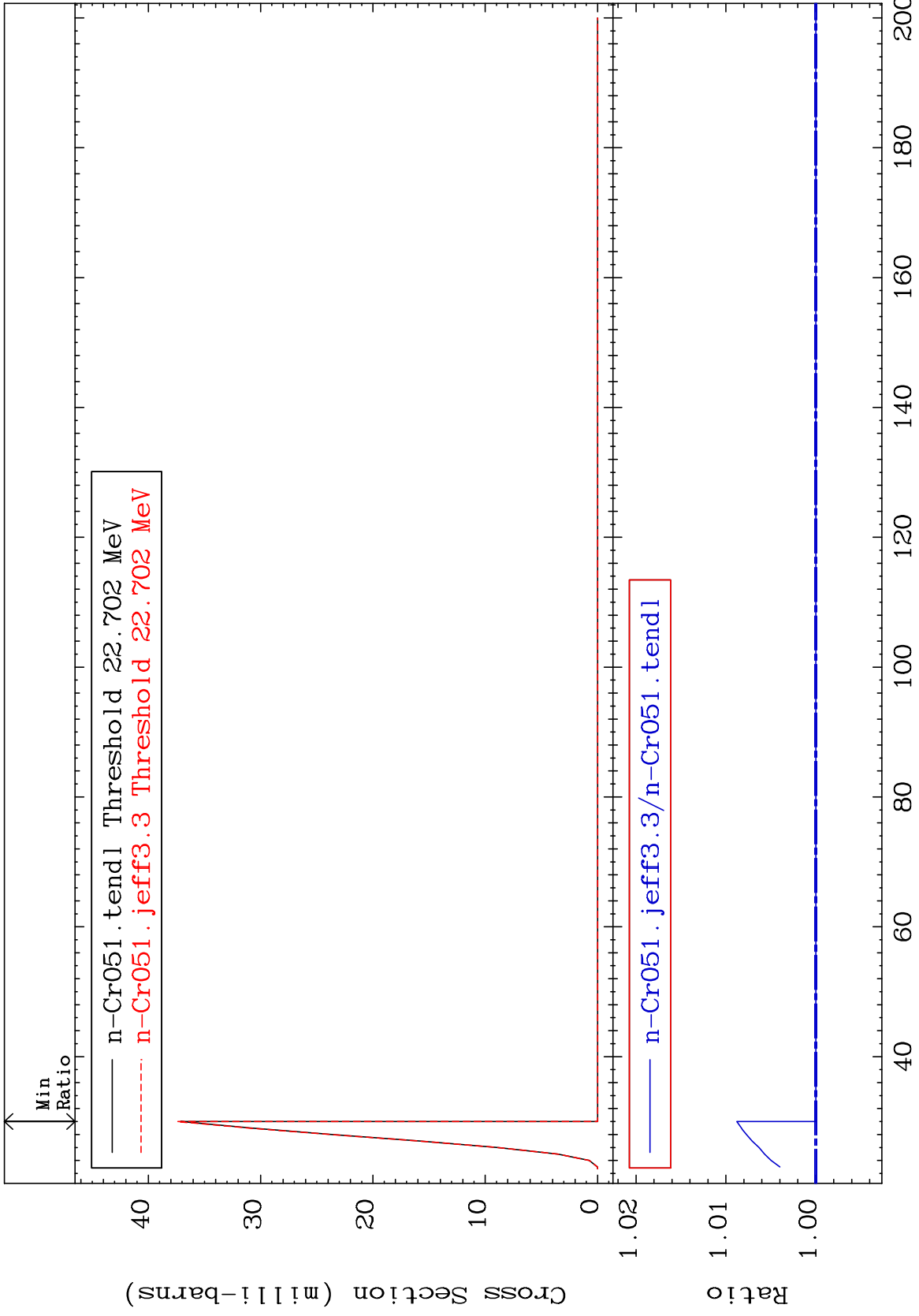
Incident Energy (eV)

<sup>24</sup>Cr-51

MAT 2428

(n,3n)  
Cross Section

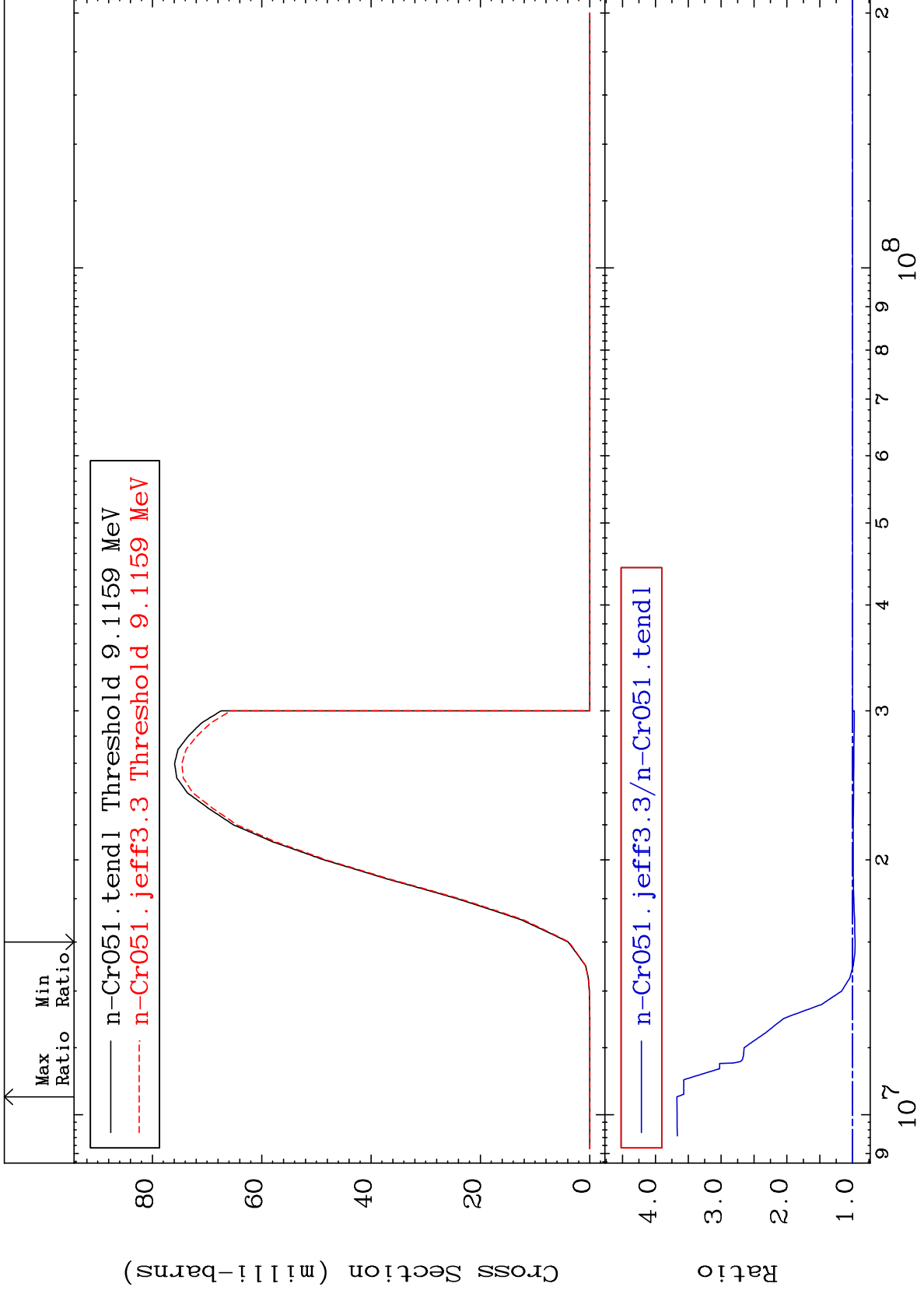
<sup>24</sup>Cr-51  
0.000 To 0.880 %



MAT 2428

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

<sup>24</sup>Cr-51  
-3.731 To 267.3 %



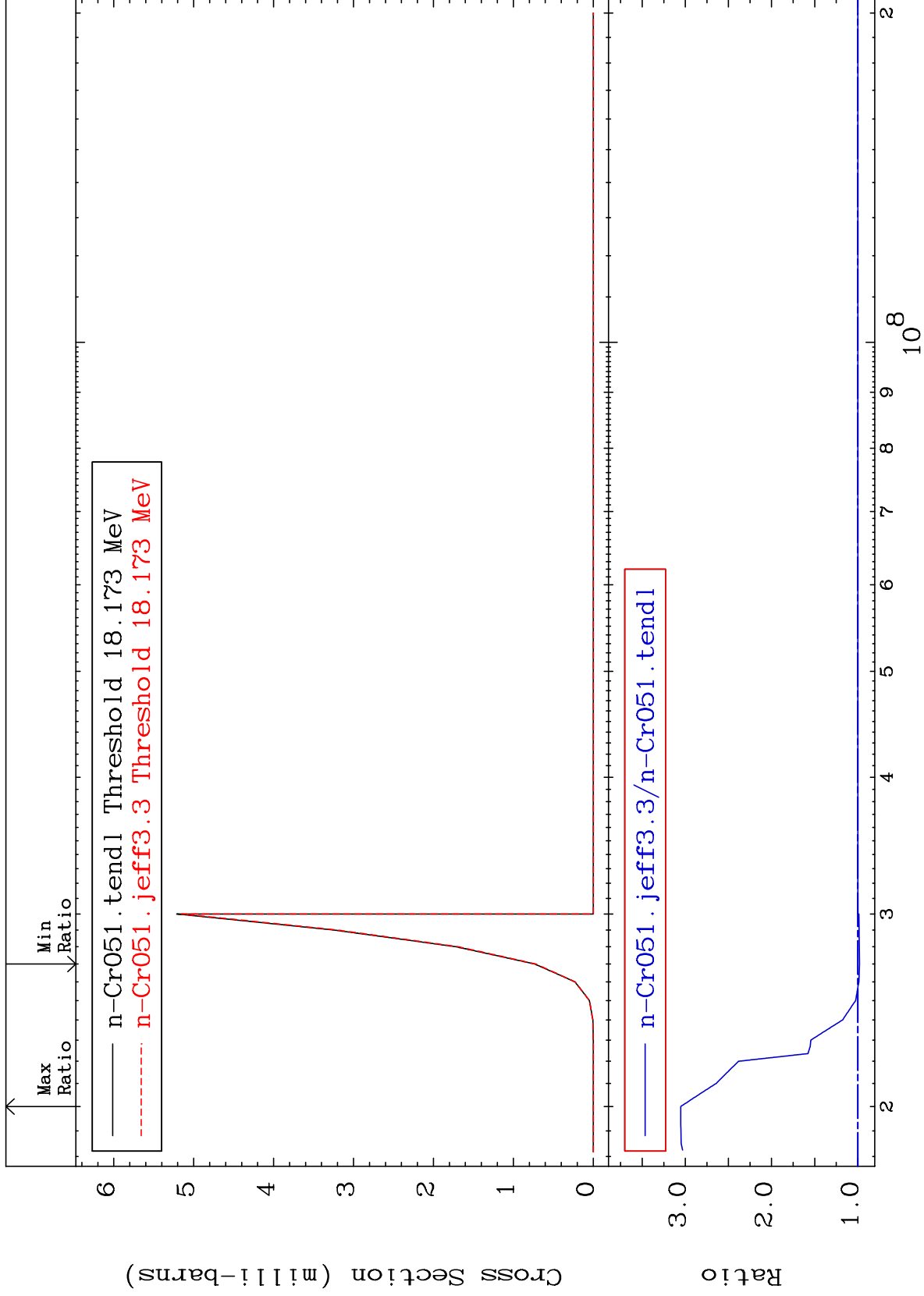
24-Cr-51

24-Cr-51

MAT 2428

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

<sup>24</sup>Cr-51  
-1.978 To 205.3 %



8

Incident Energy (eV)

<sup>24</sup>Cr-51

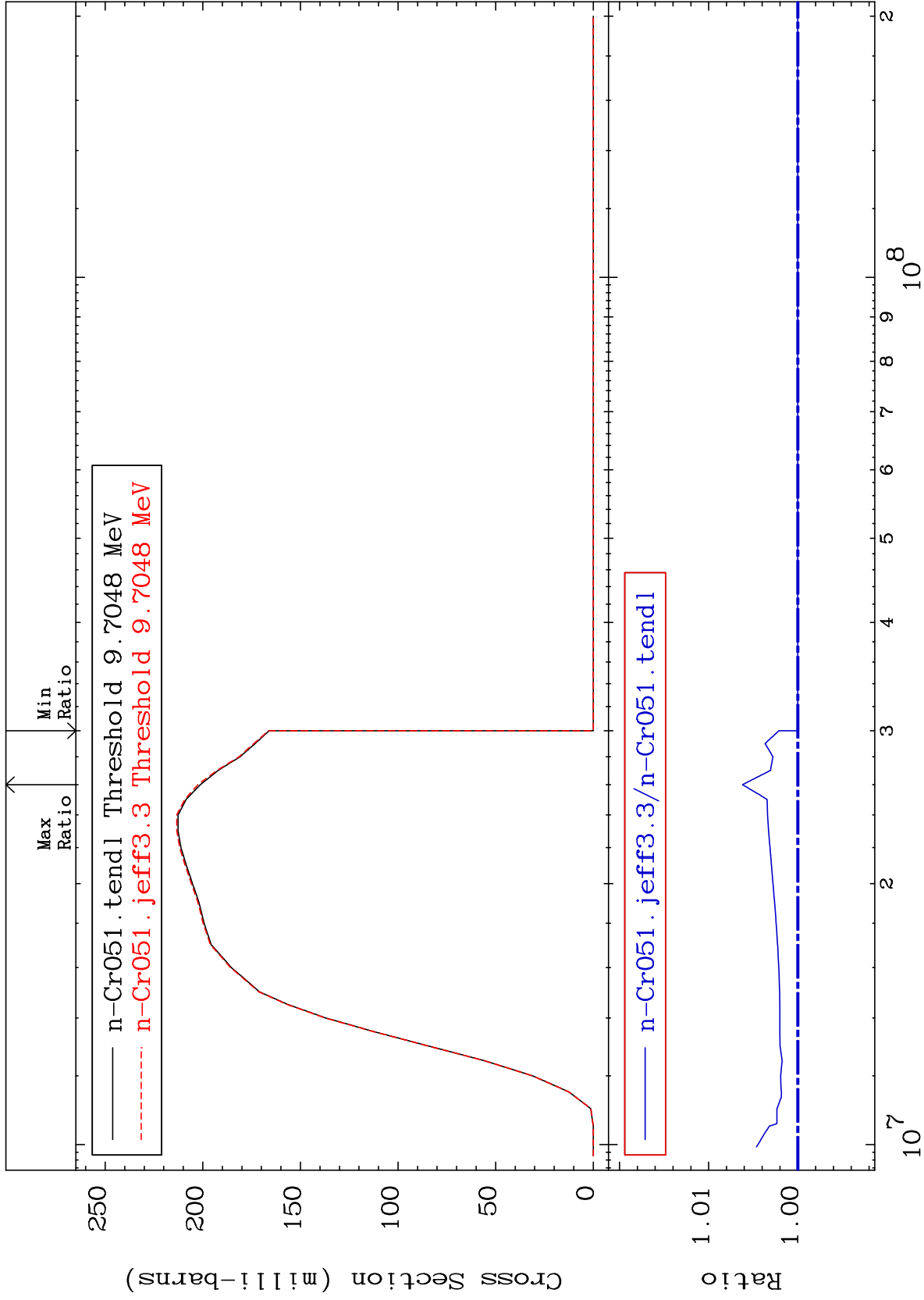


MAT 2428

(n,n') p  
Cross Section

<sup>24</sup>Cr-51

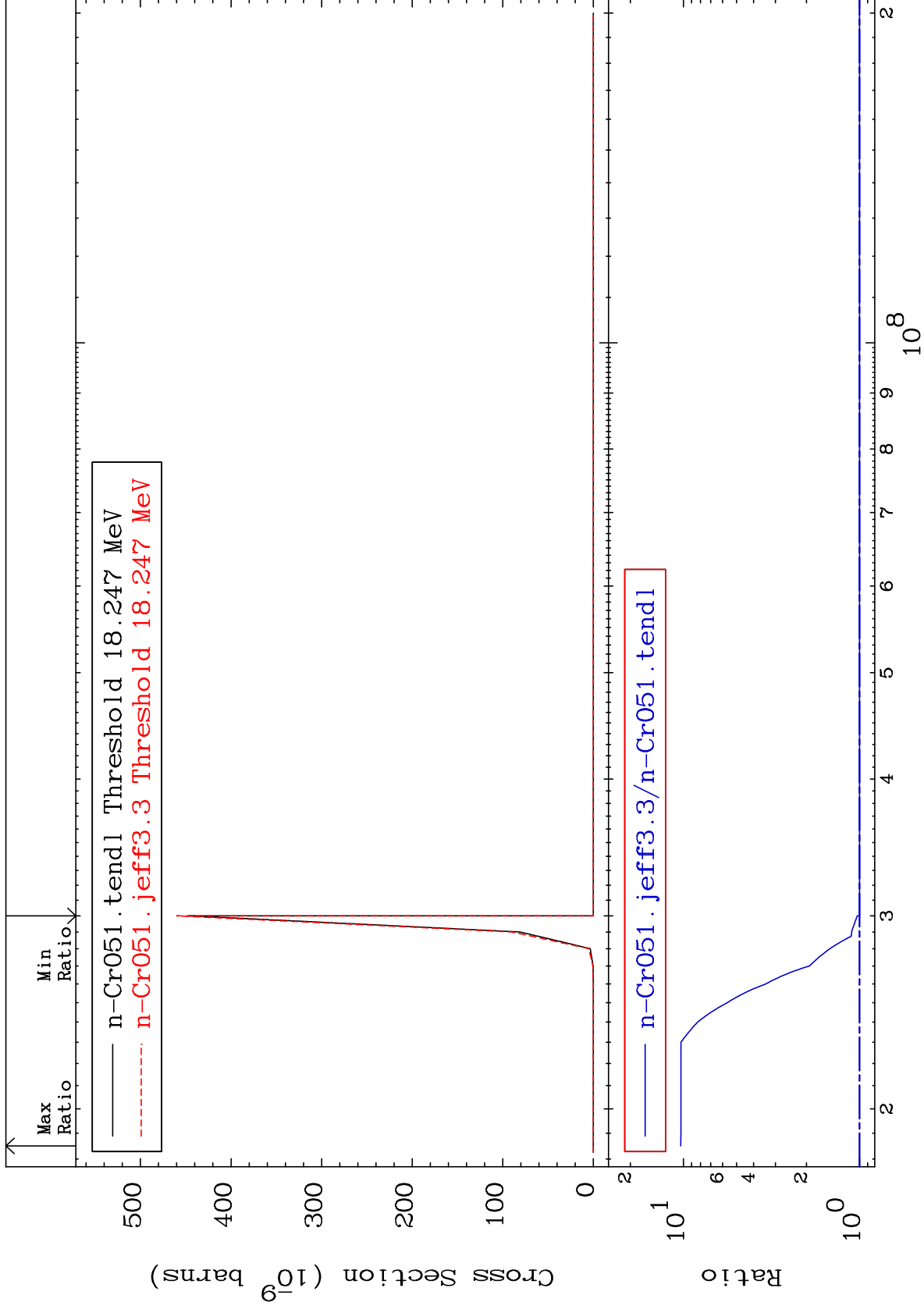
0.000 To 0.620 %



MAT 2428

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

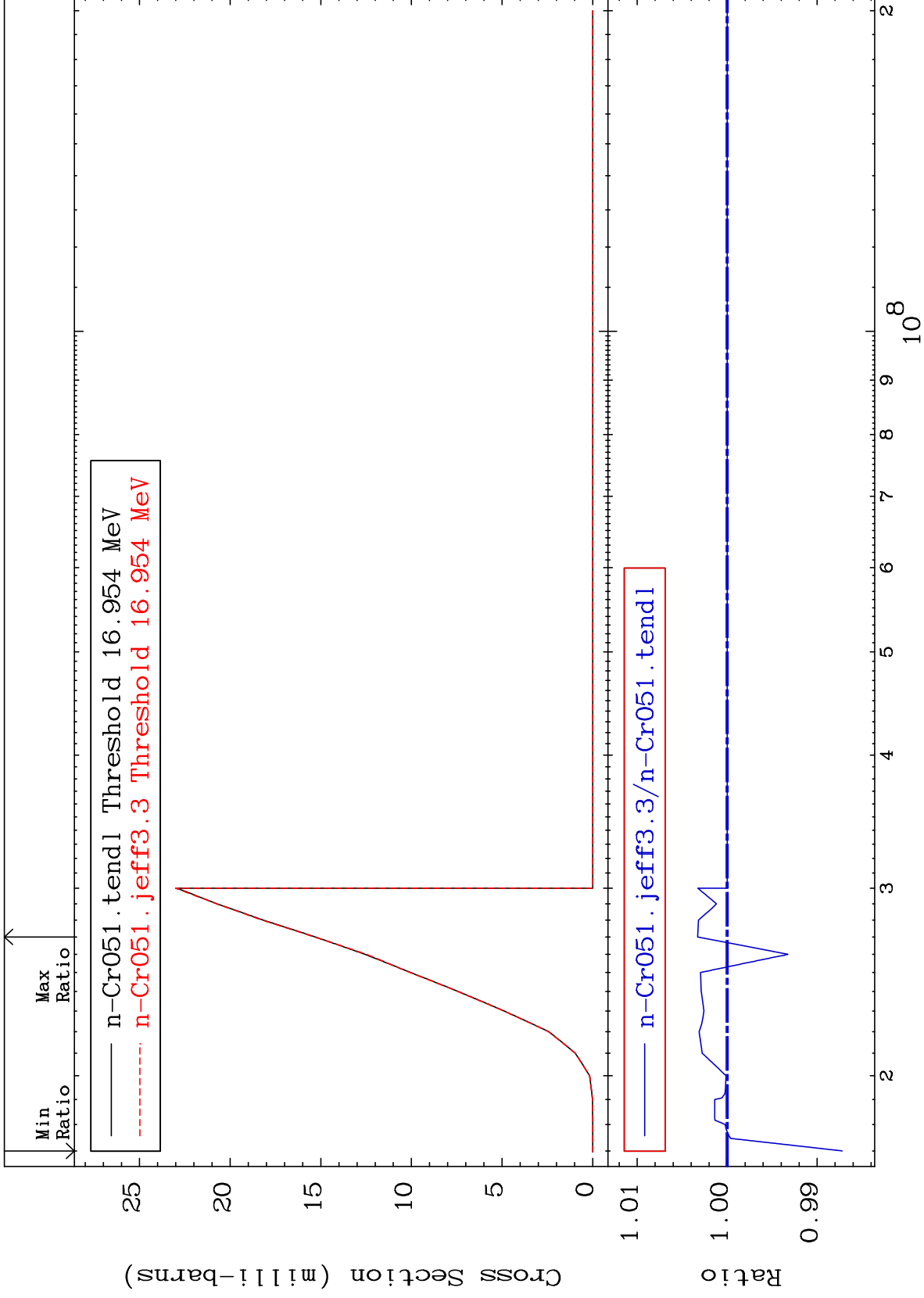
24-Cr-51  
0.000 To 935.6 %



10

Incident Energy (eV)

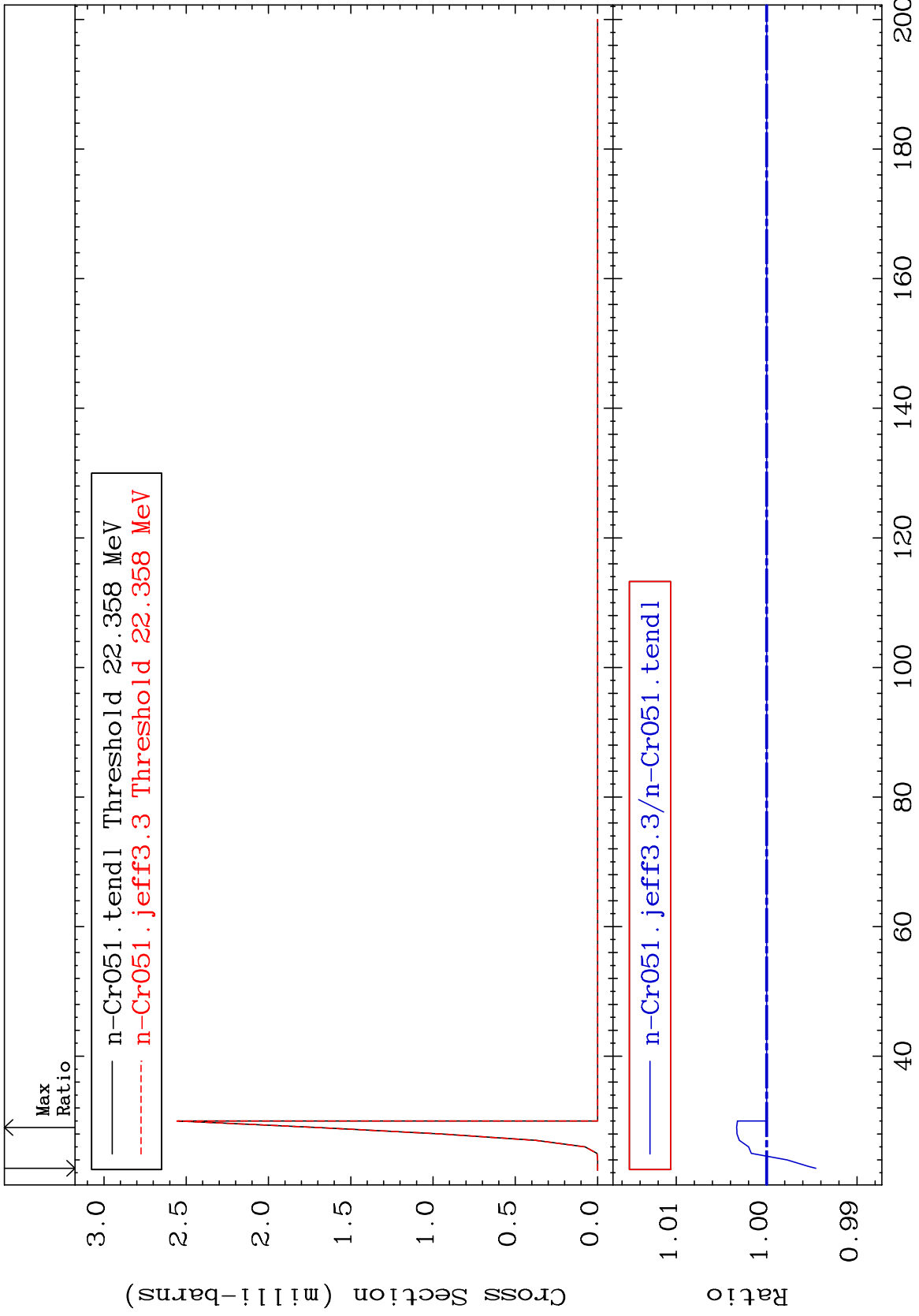
24-Cr-51



MAT 2428

(n,n') t  
Cross Section

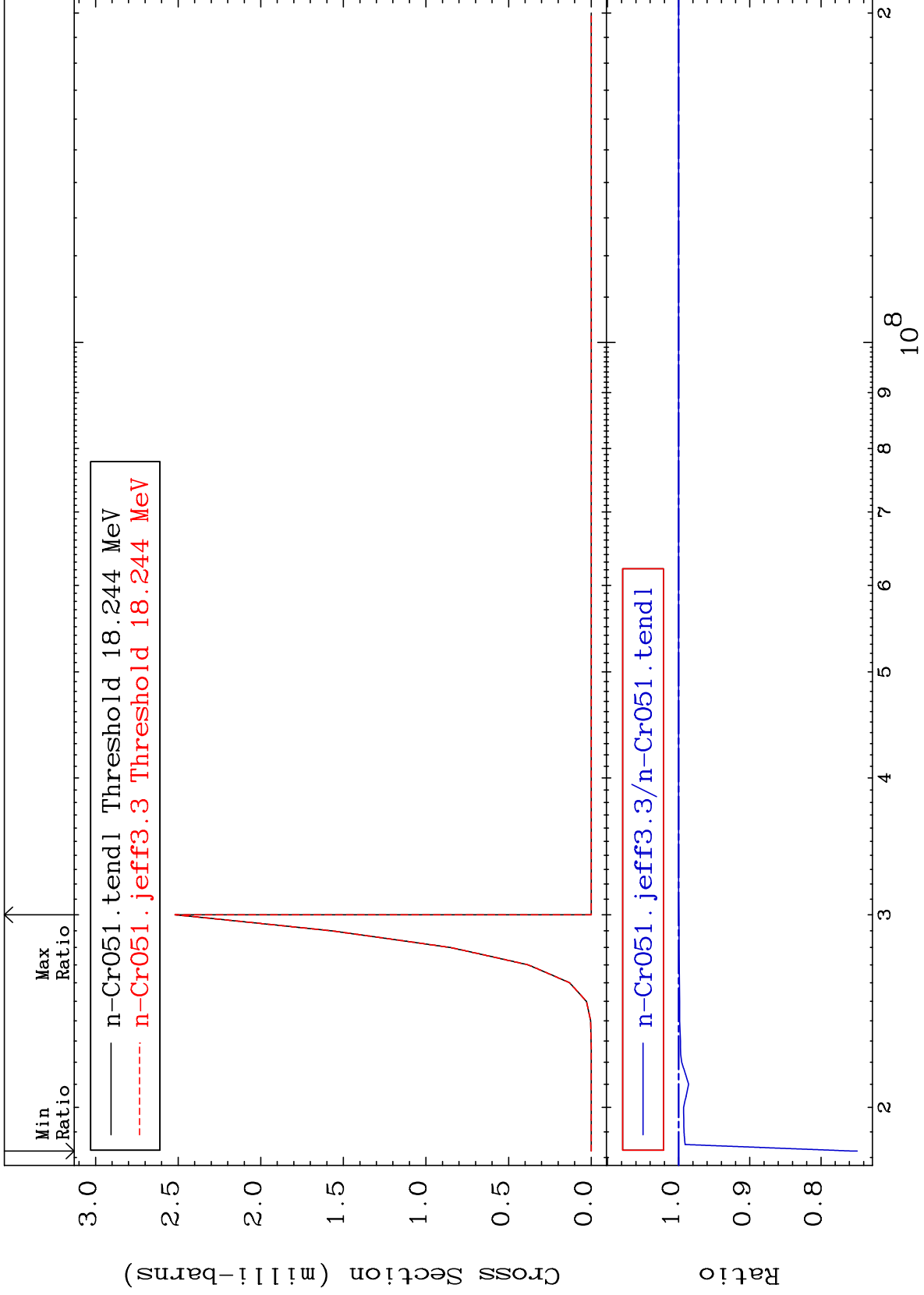
<sup>24</sup>Cr-51  
-0.544 To 0.332 %



MAT 2428

(n, n') He-3  
Cross Section

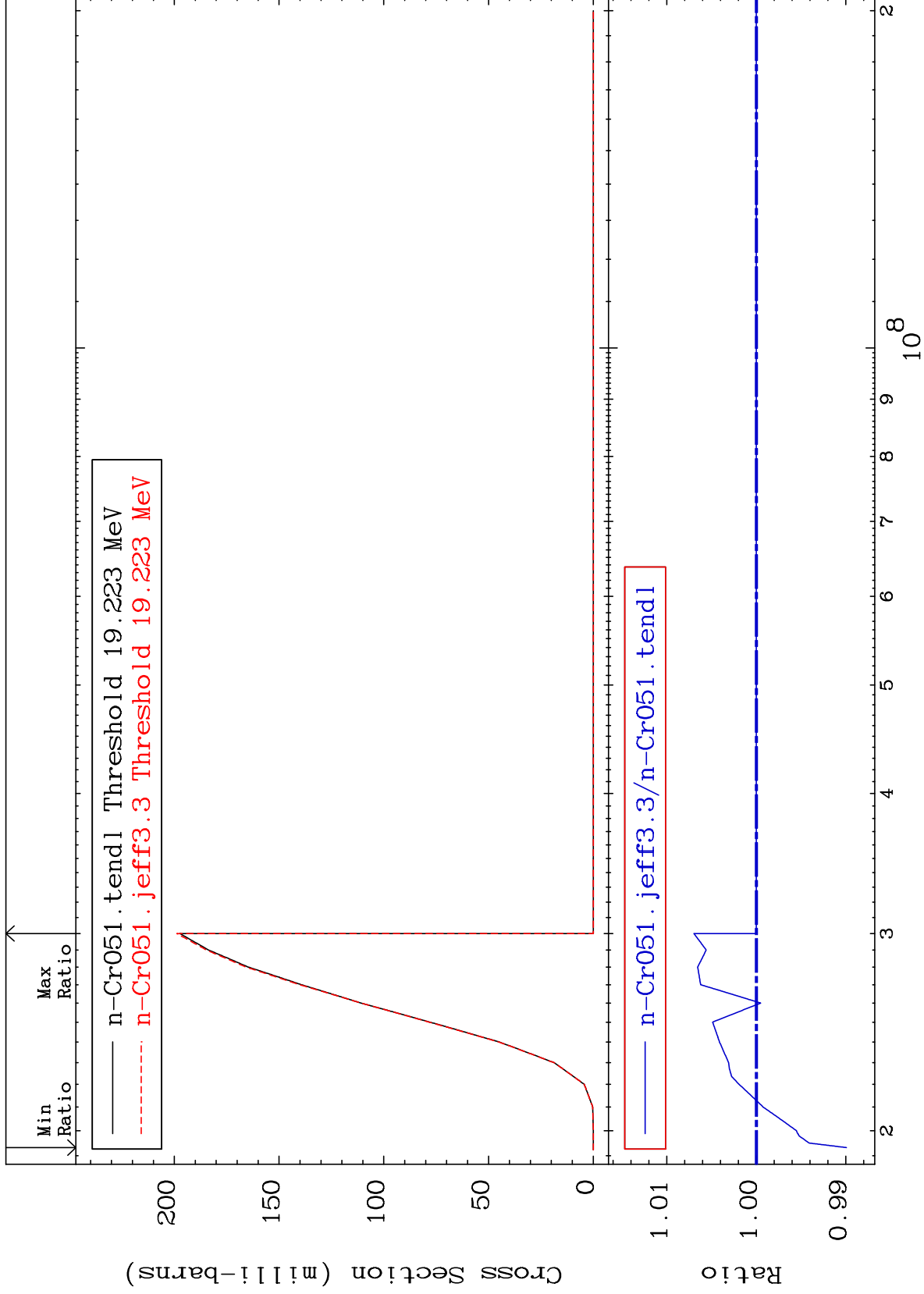
24-Cr-51  
-25.10 To 0.000 %



MAT 2428

(n,2n) p  
Cross Section

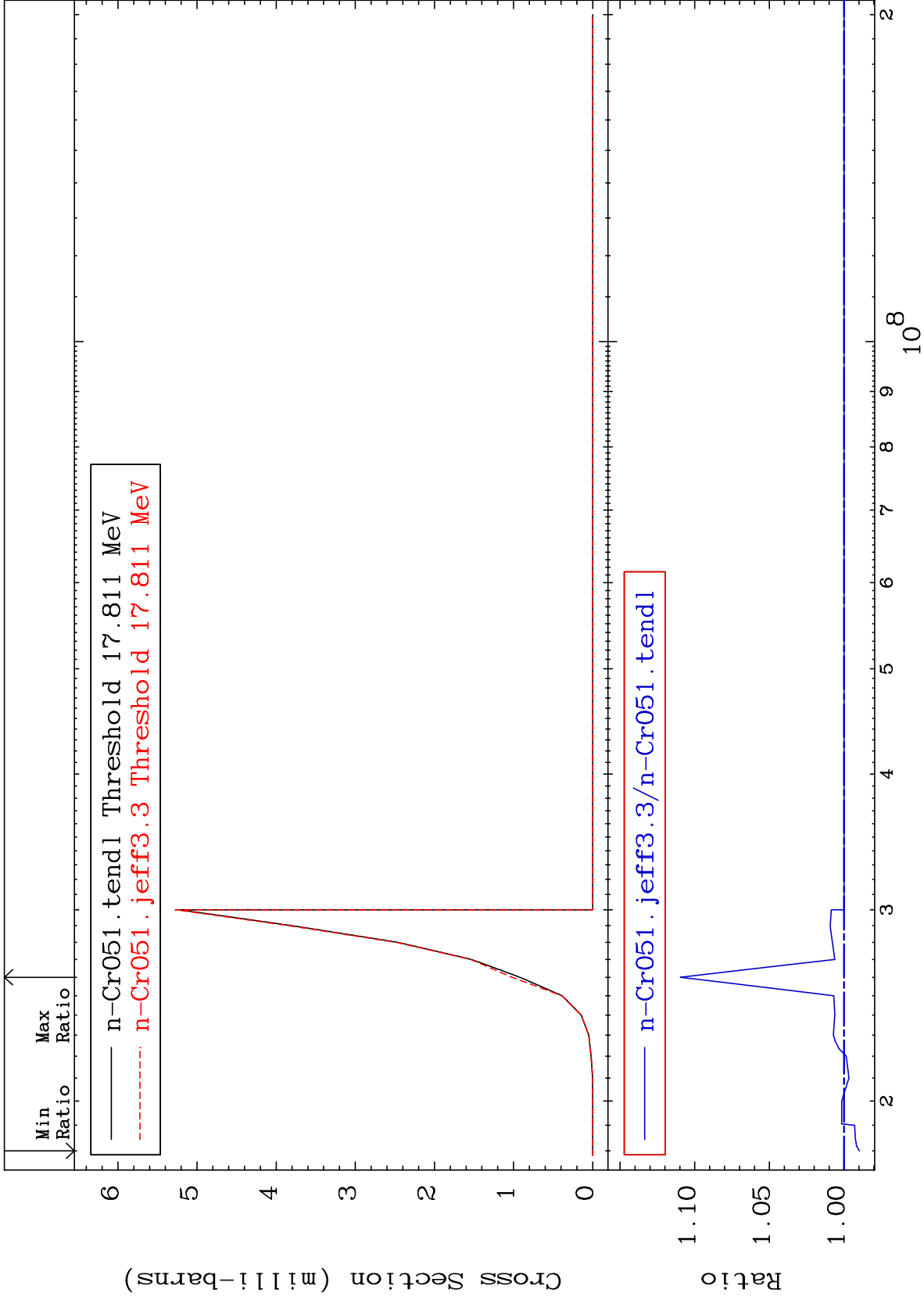
<sup>24</sup>Cr-51  
-1.006 To 0.698 %



14

Incident Energy (eV)

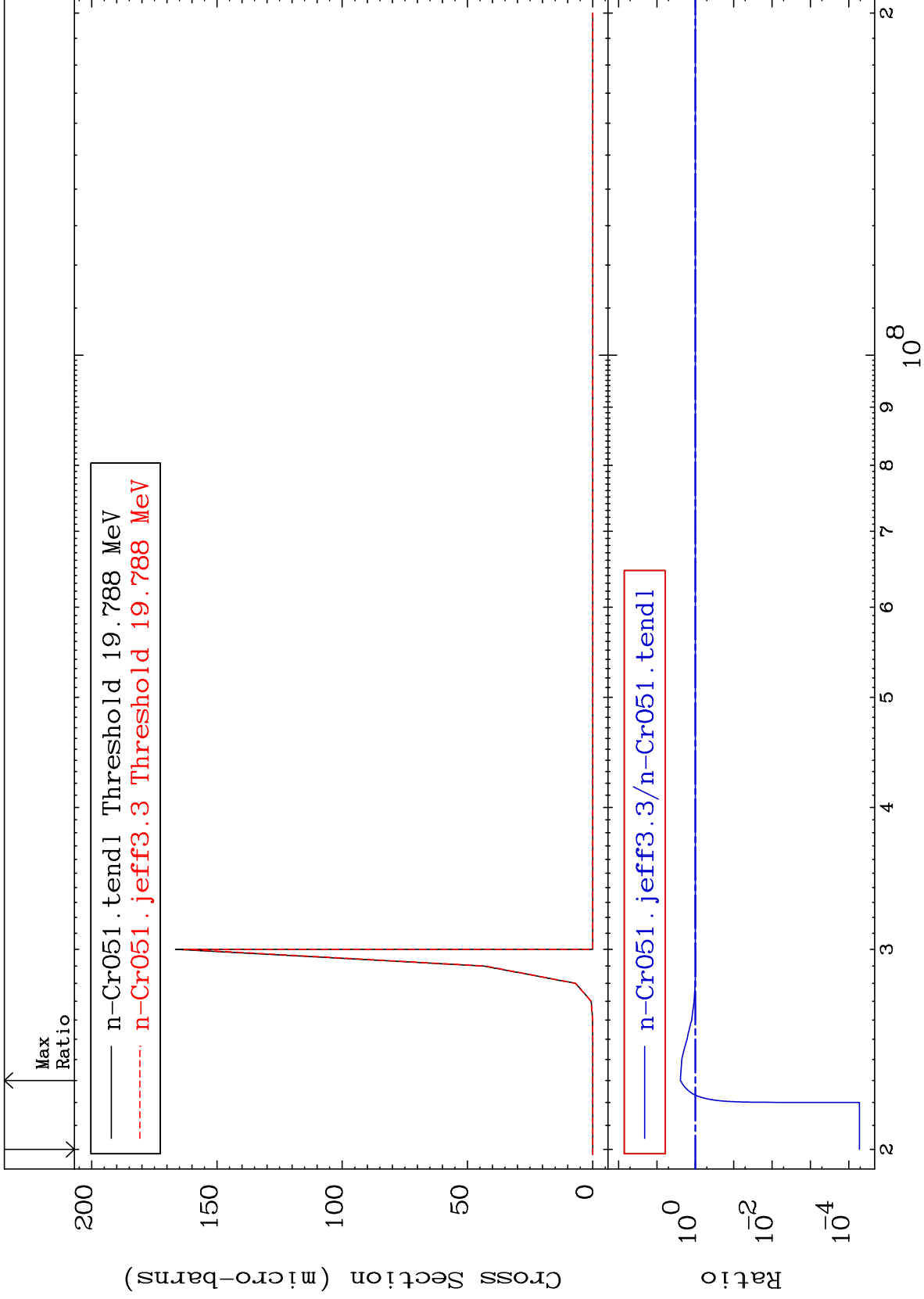
<sup>24</sup>Cr-51



MAT 2428

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

<sup>24</sup>Cr-51  
-99.99 To 145.0 %



16

Incident Energy (eV)

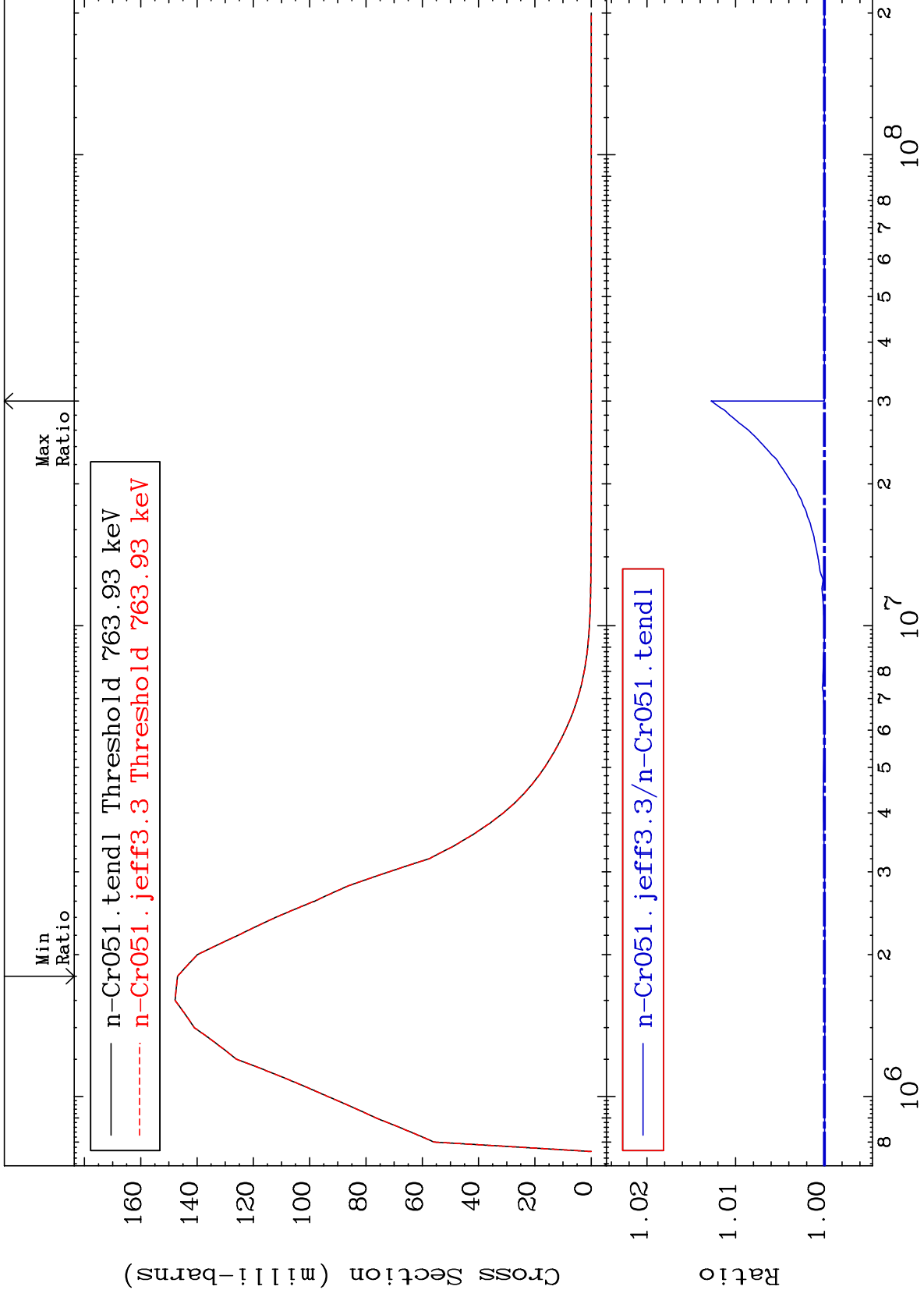
<sup>24</sup>Cr-51



MAT 2428

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

24-Cr-51  
-0.004 To 1.276 %



17

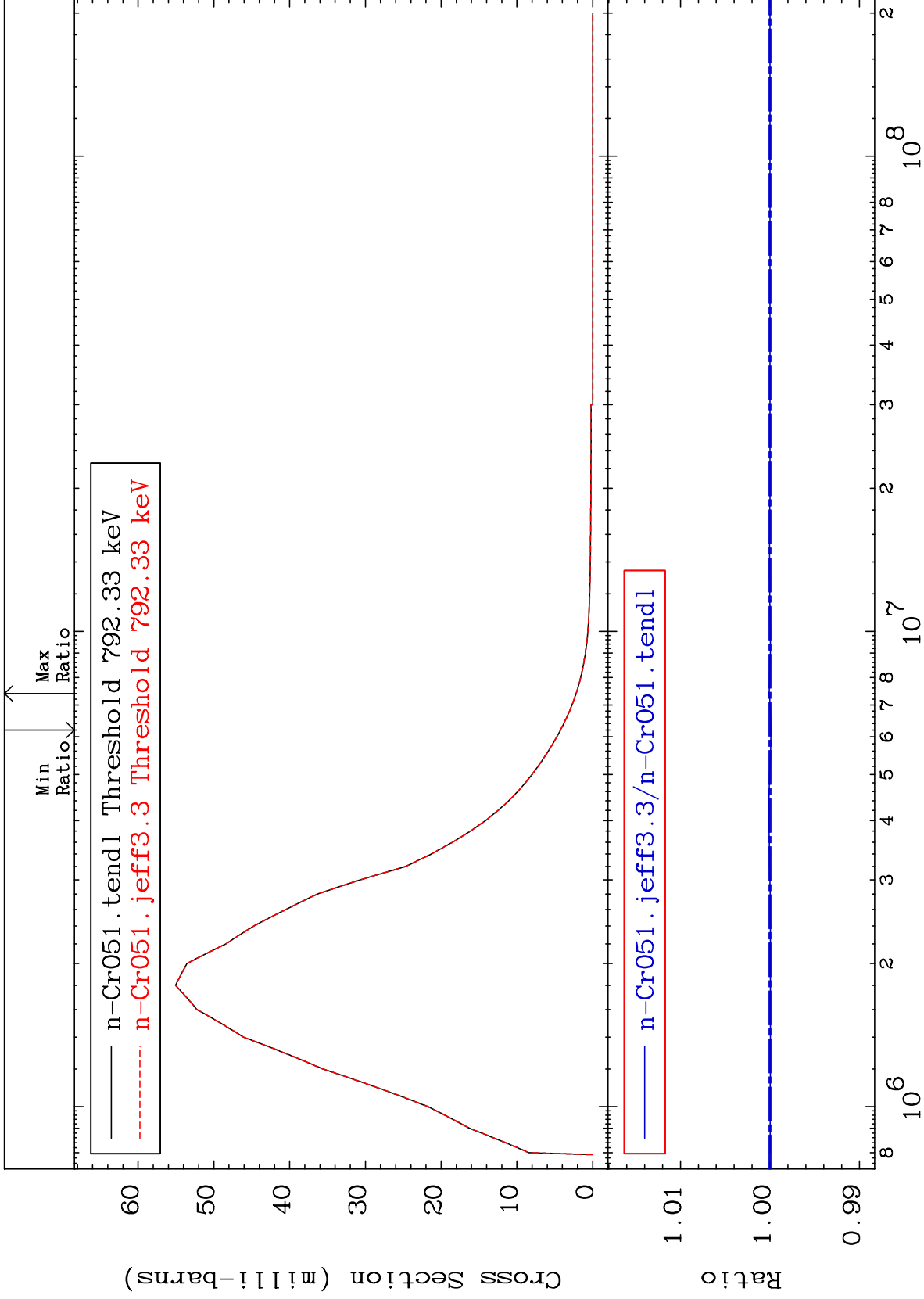
Incident Energy (eV)

24-Cr-51

MAT 2428

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

24-Cr-51  
-0.009 To 0.011 %



18

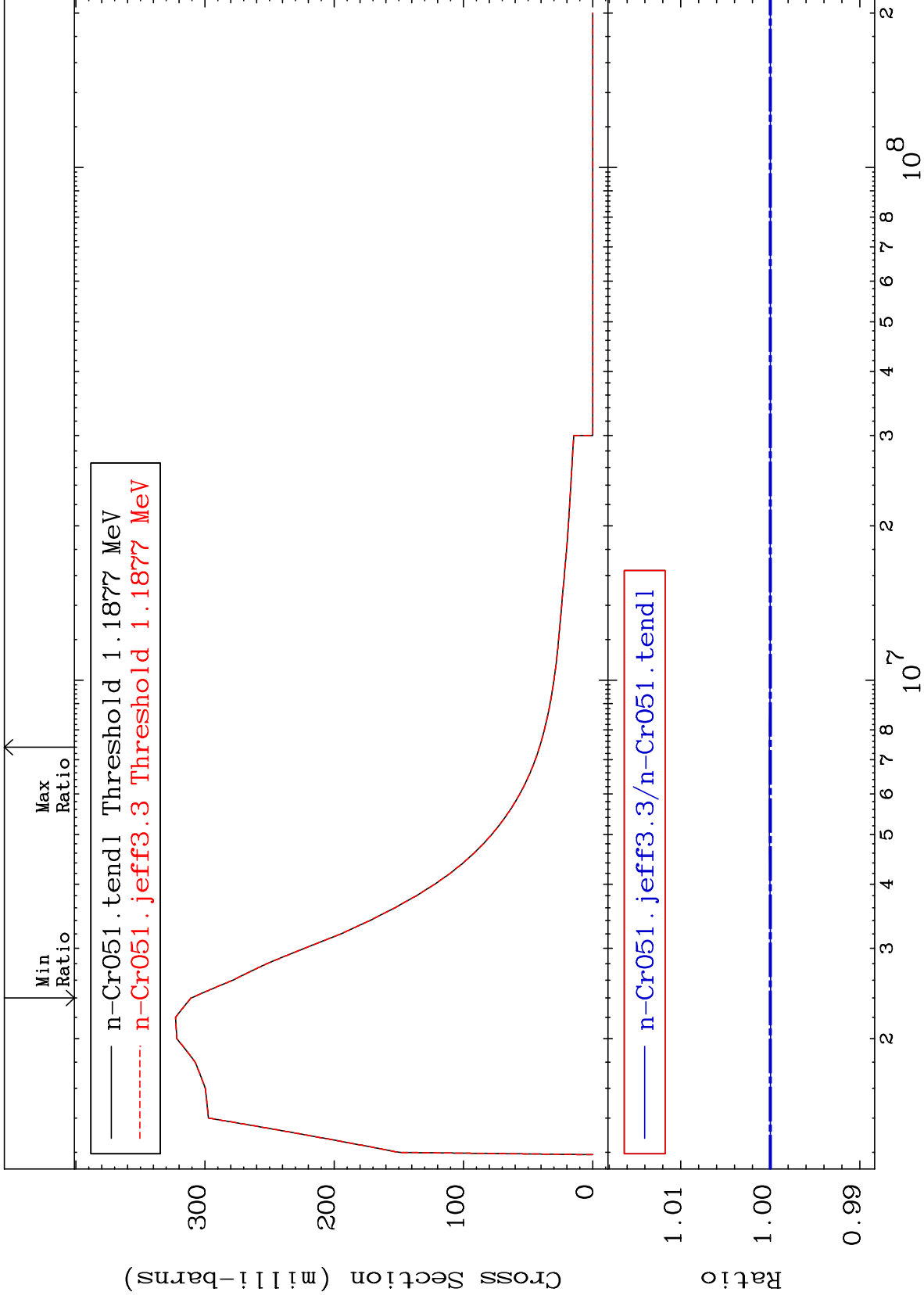
Incident Energy (eV)

24-Cr-51

MAT 2428

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

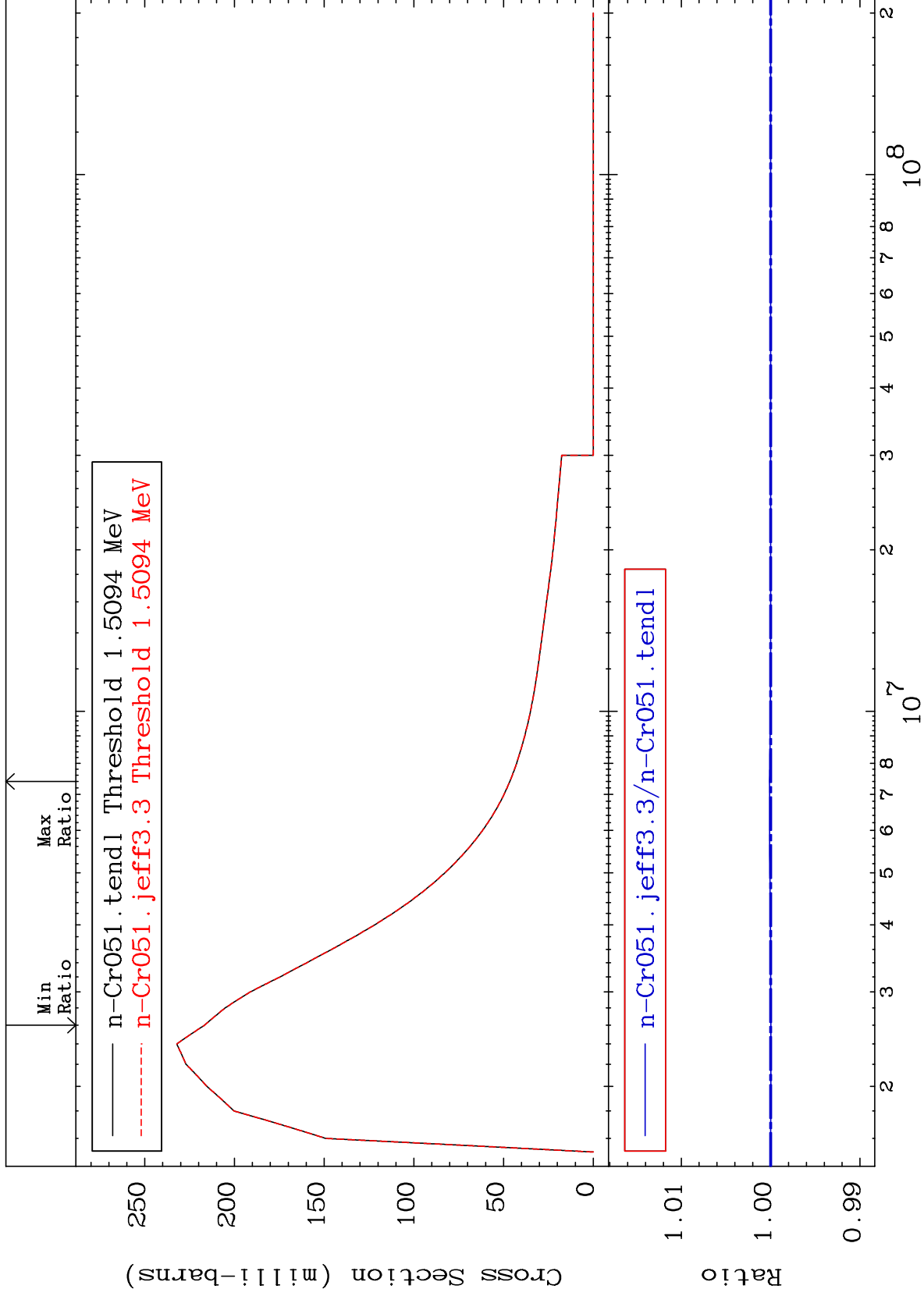
24-Cr-51  
-0.003 To 0.012 %



MAT 2428

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

24-Cr-51  
-0.002 To 0.013 %



20

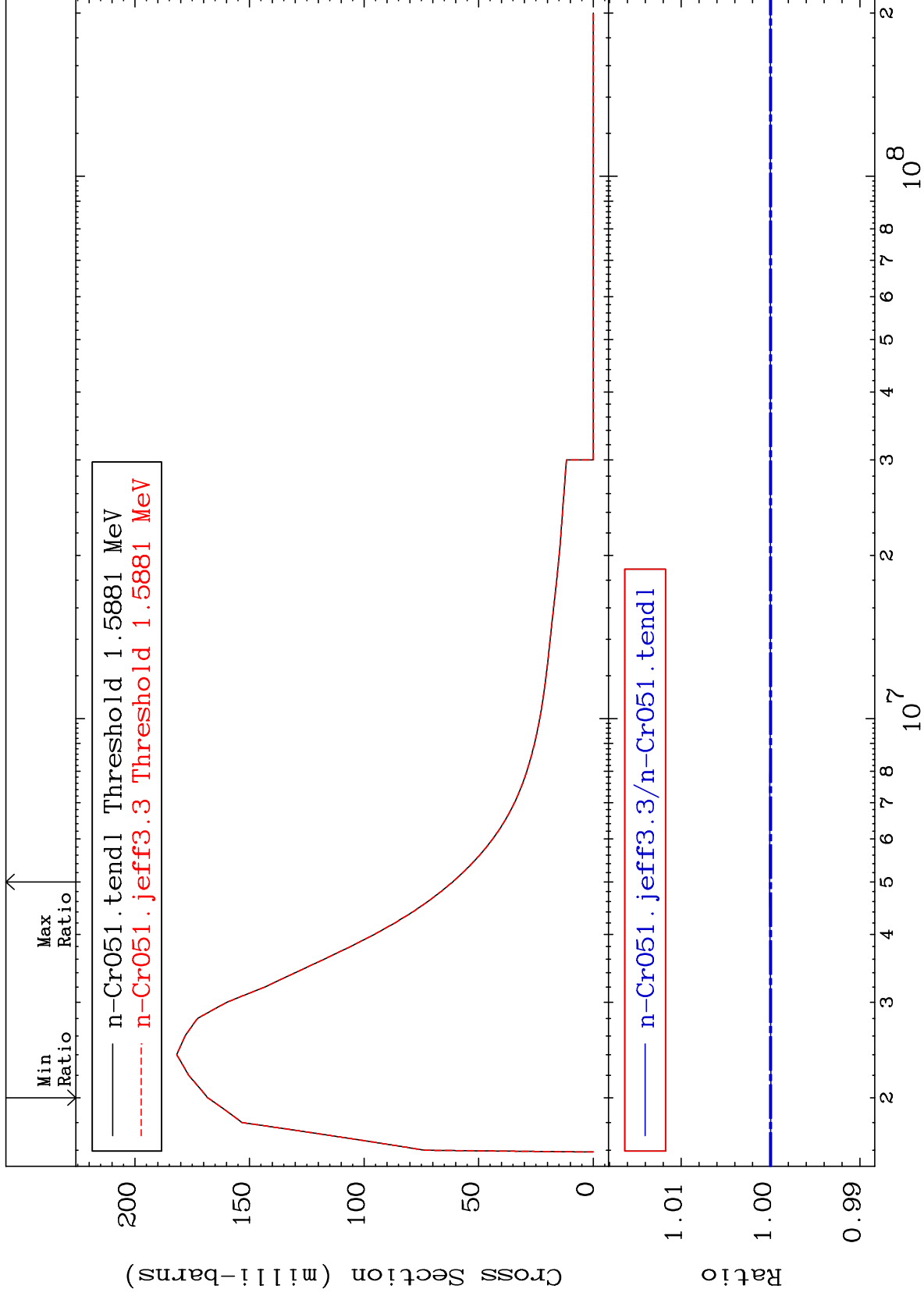
Incident Energy (eV)

24-Cr-51

MAT 2428

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

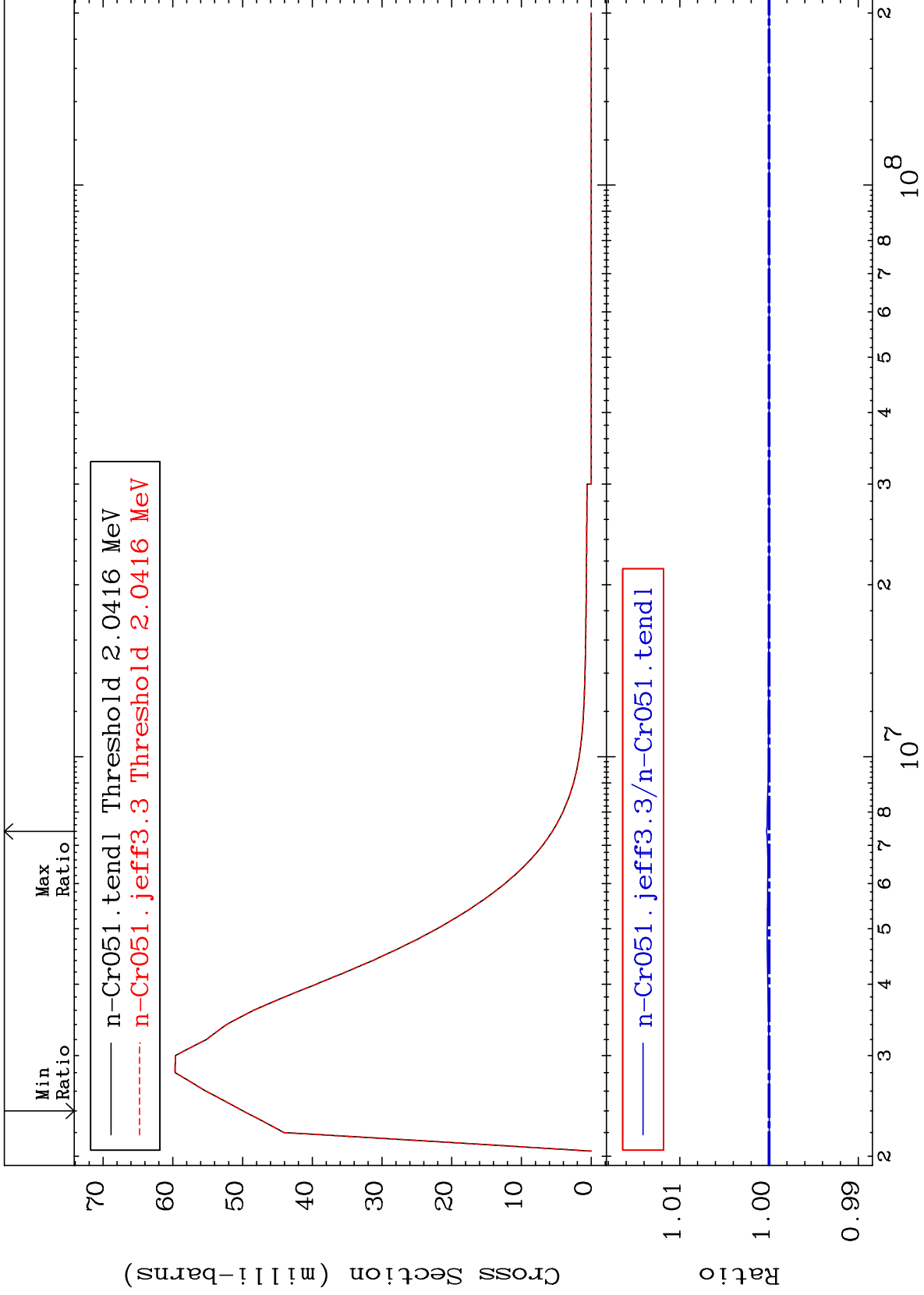
24-Cr-51  
-0.003 To 0.011 %



MAT 2428

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

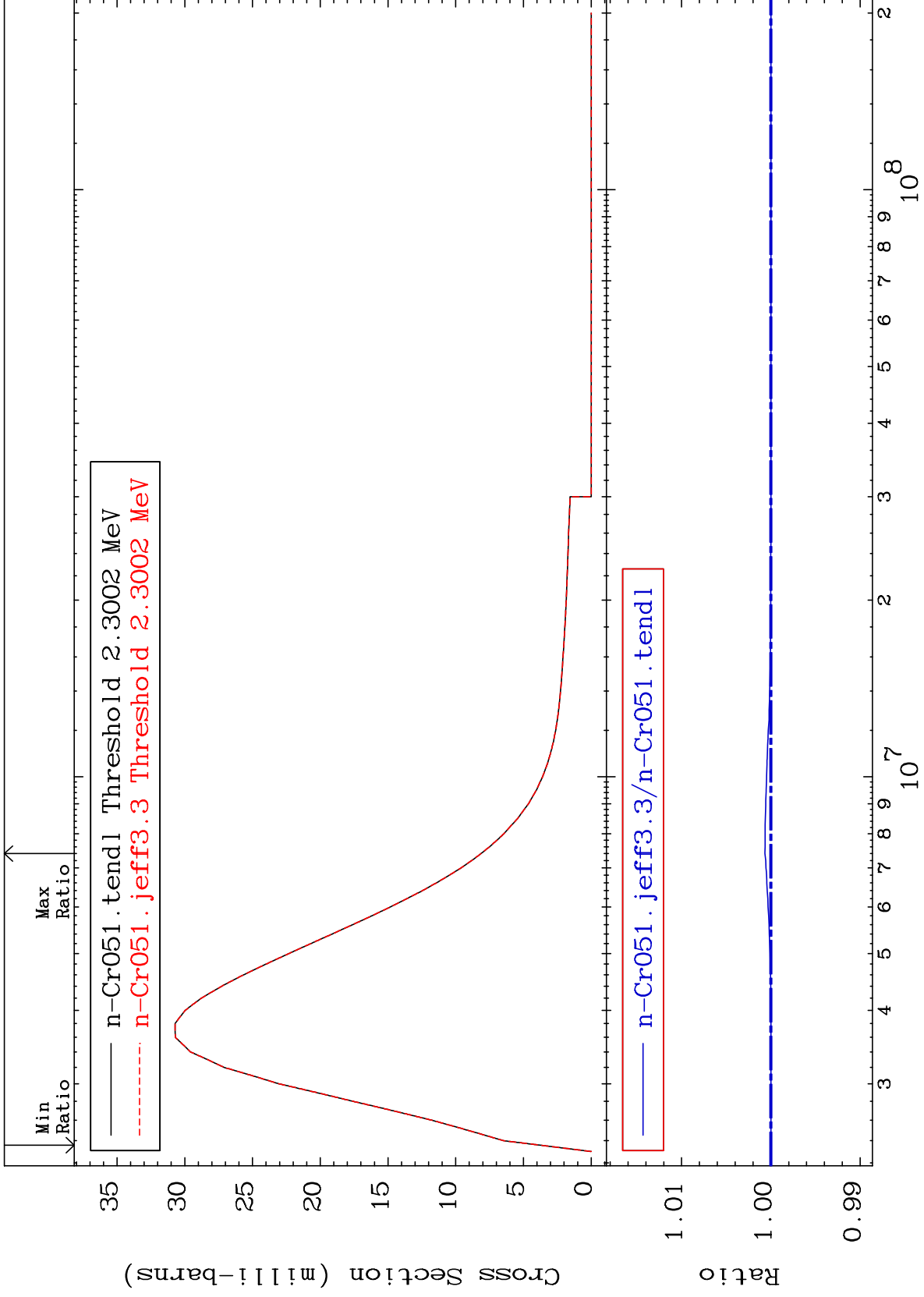
24-Cr-51  
-0.004 To 0.028 %



MAT 2428

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

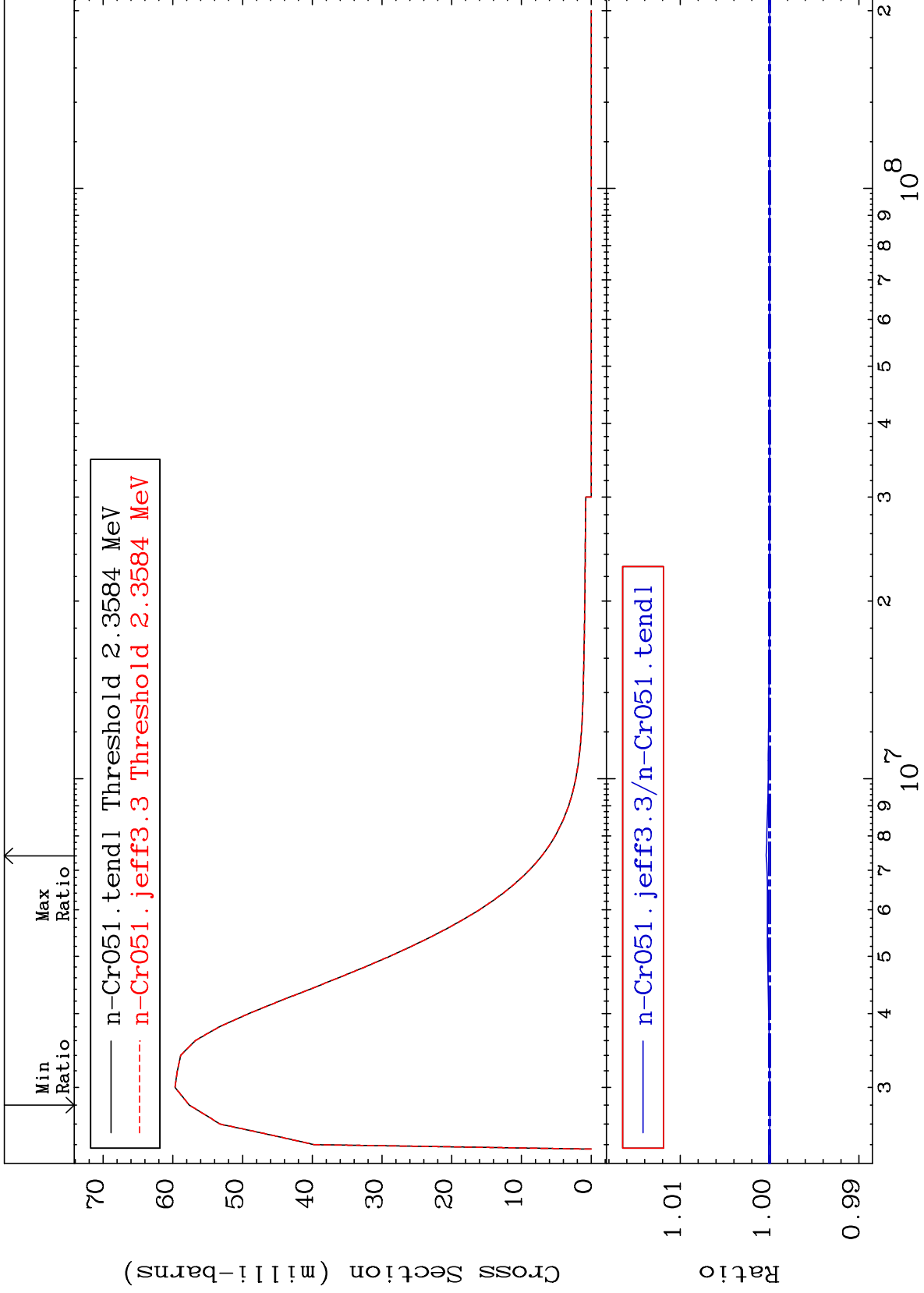
24-Cr-51  
-0.002 To 0.067 %



MAT 2428

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

24-Cr-51  
-0.002 To 0.040 %



24

Incident Energy (eV)

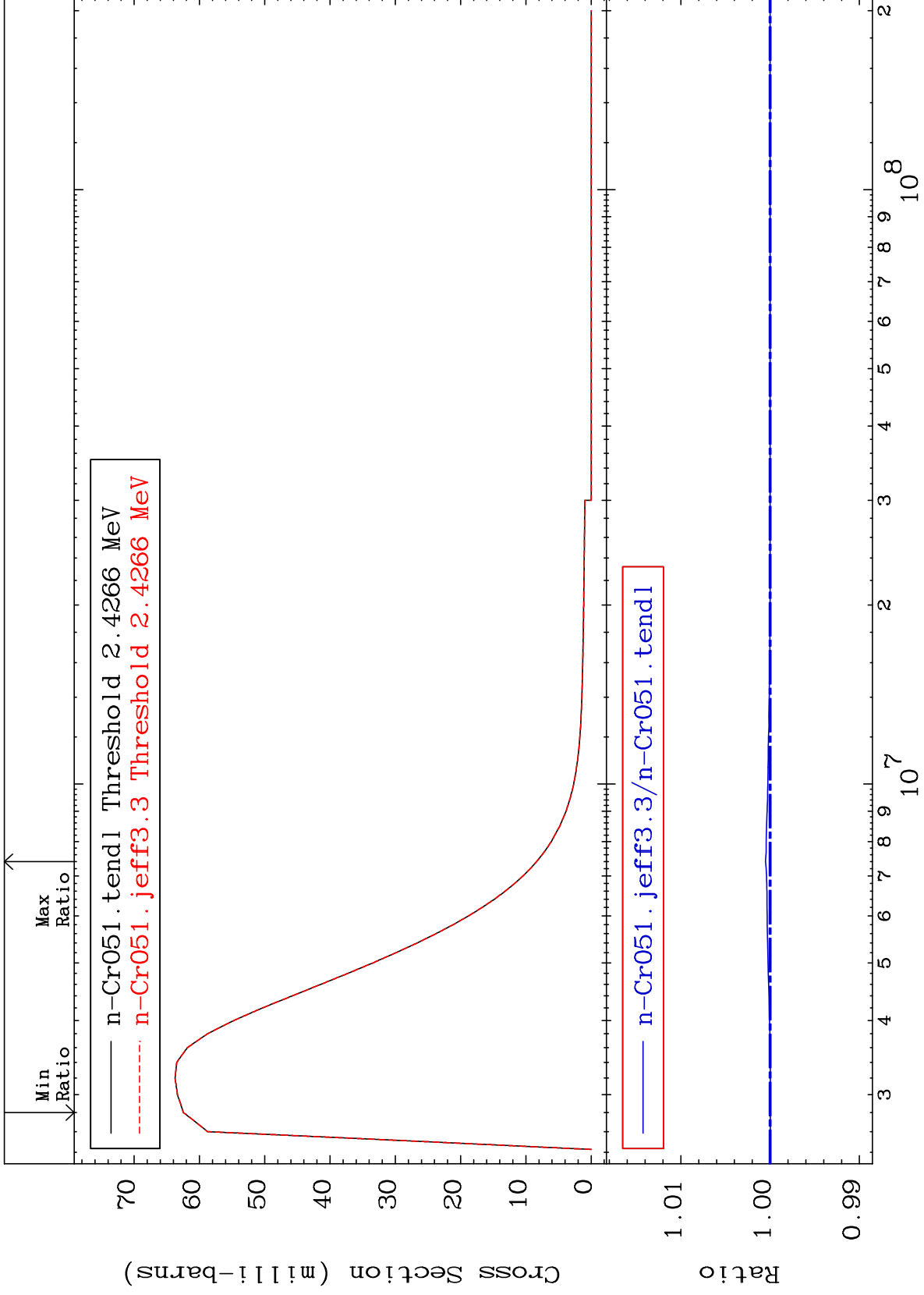
24-Cr-51



MAT 2428

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

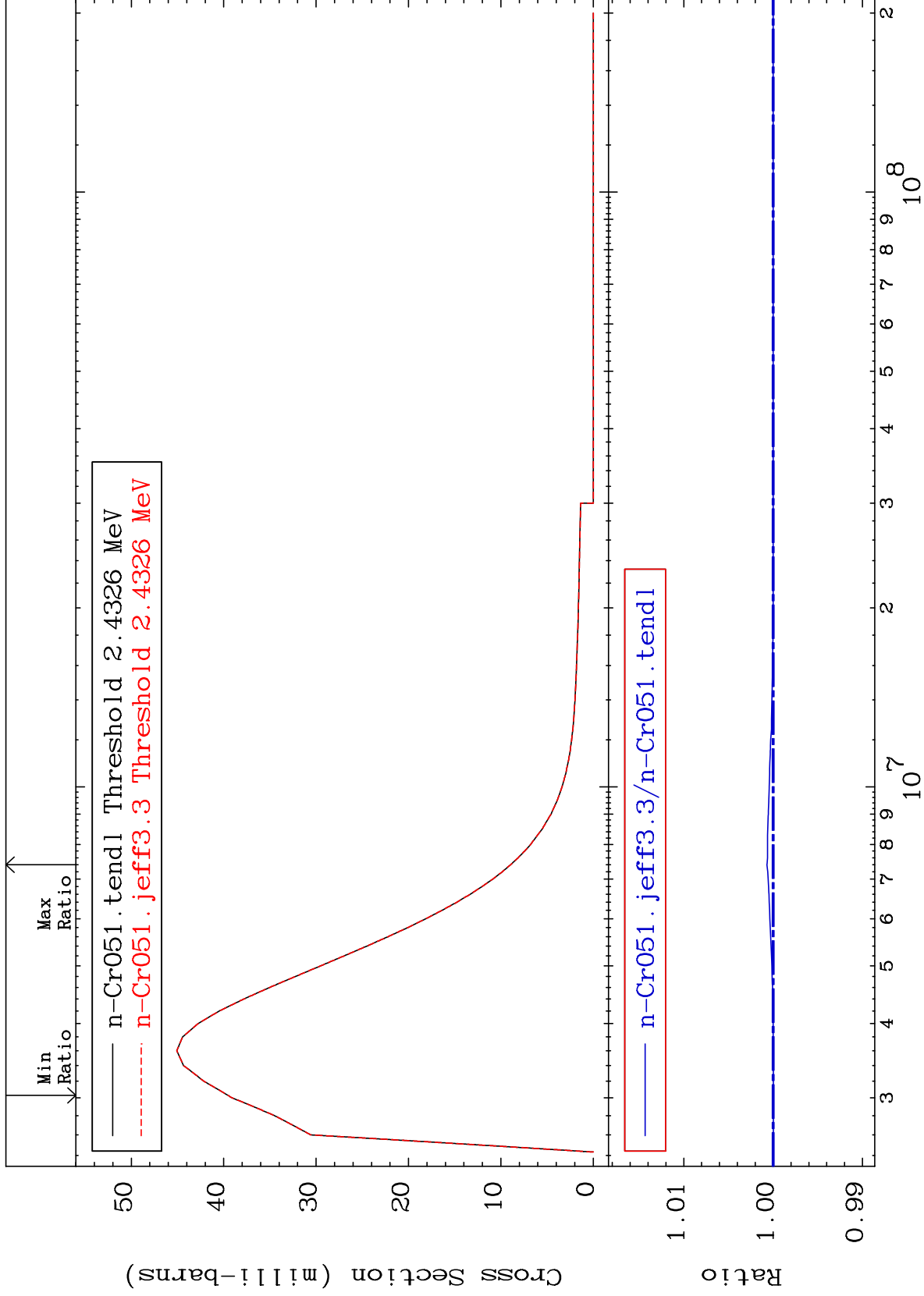
24-Cr-51  
-0.003 To 0.052 %



MAT 2428

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

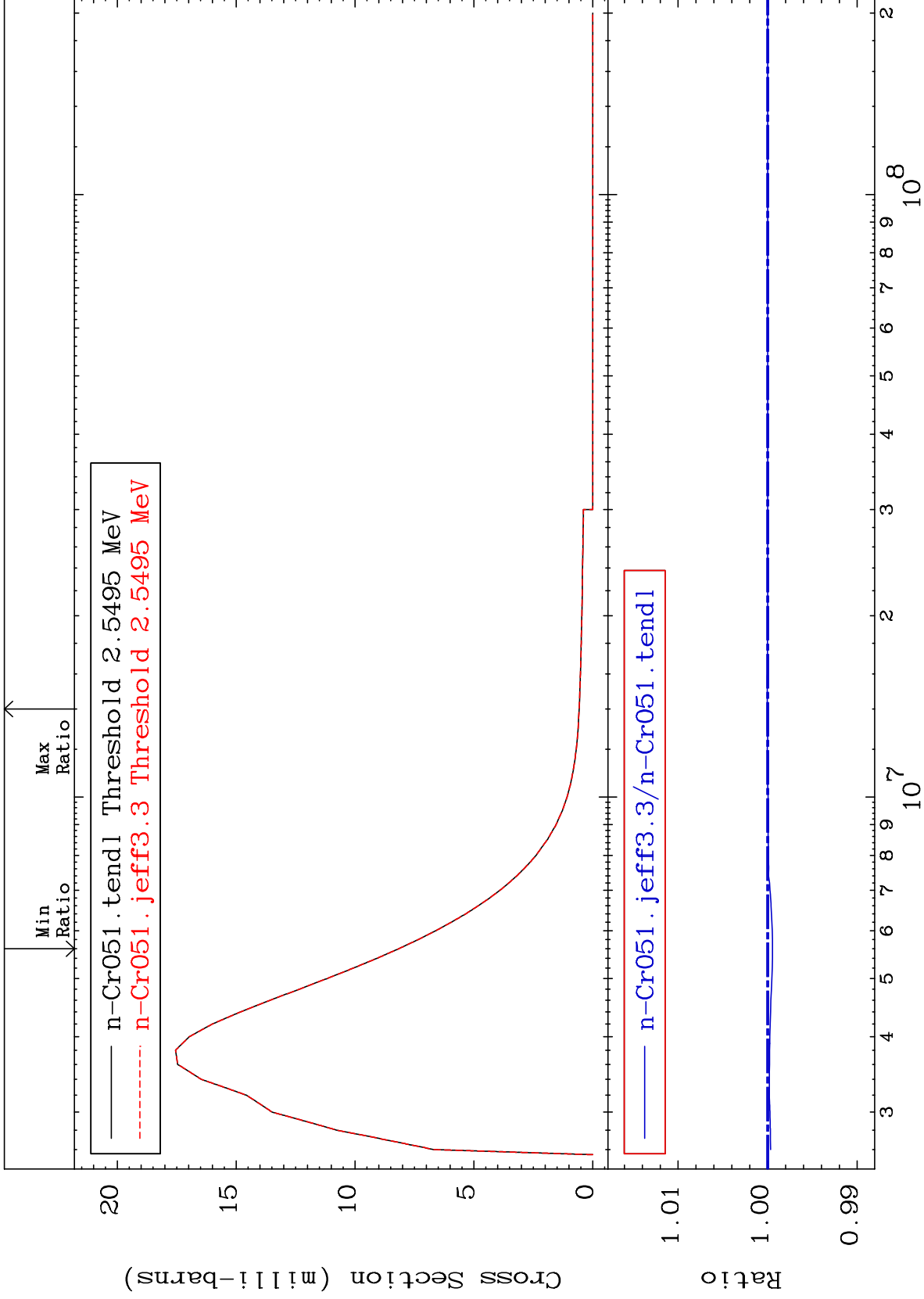
24-Cr-51  
-0.002 To 0.068 %



MAT 2428

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

24-Cr-51  
-0.054 To 0.005 %



27

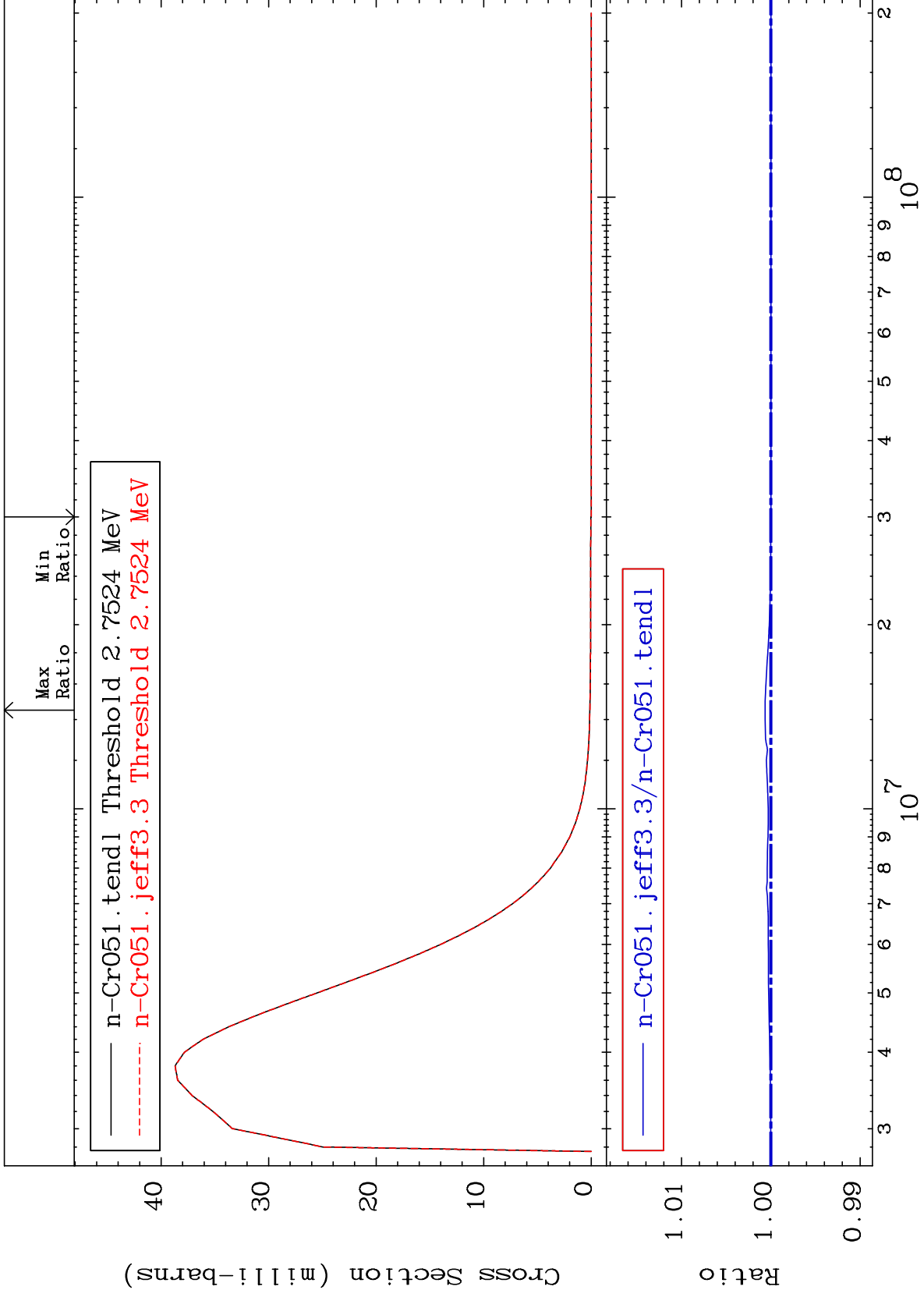
Incident Energy (eV)

24-Cr-51

MAT 2428

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

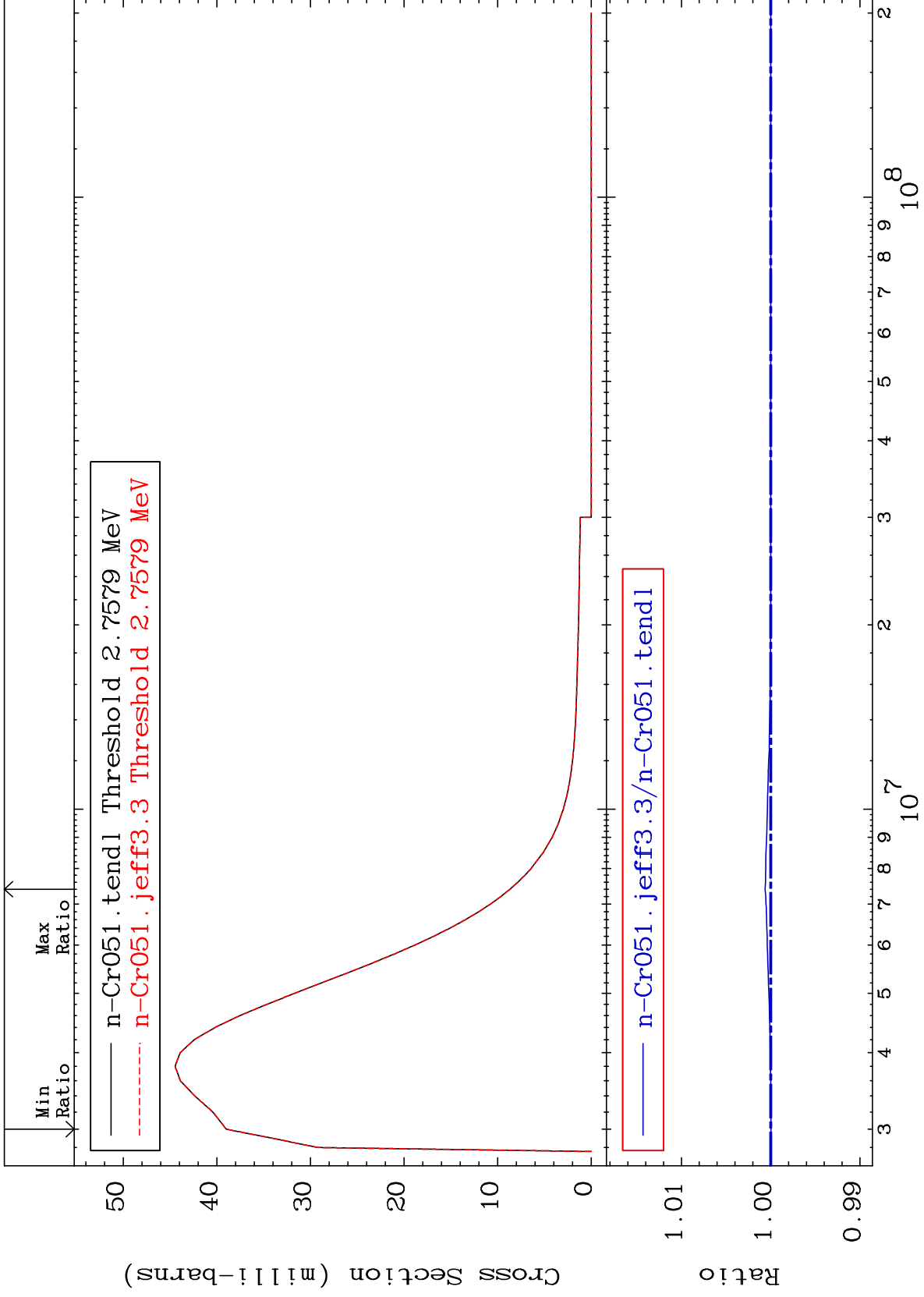
24-Cr-51  
0.000 To 0.066 %



MAT 2428

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

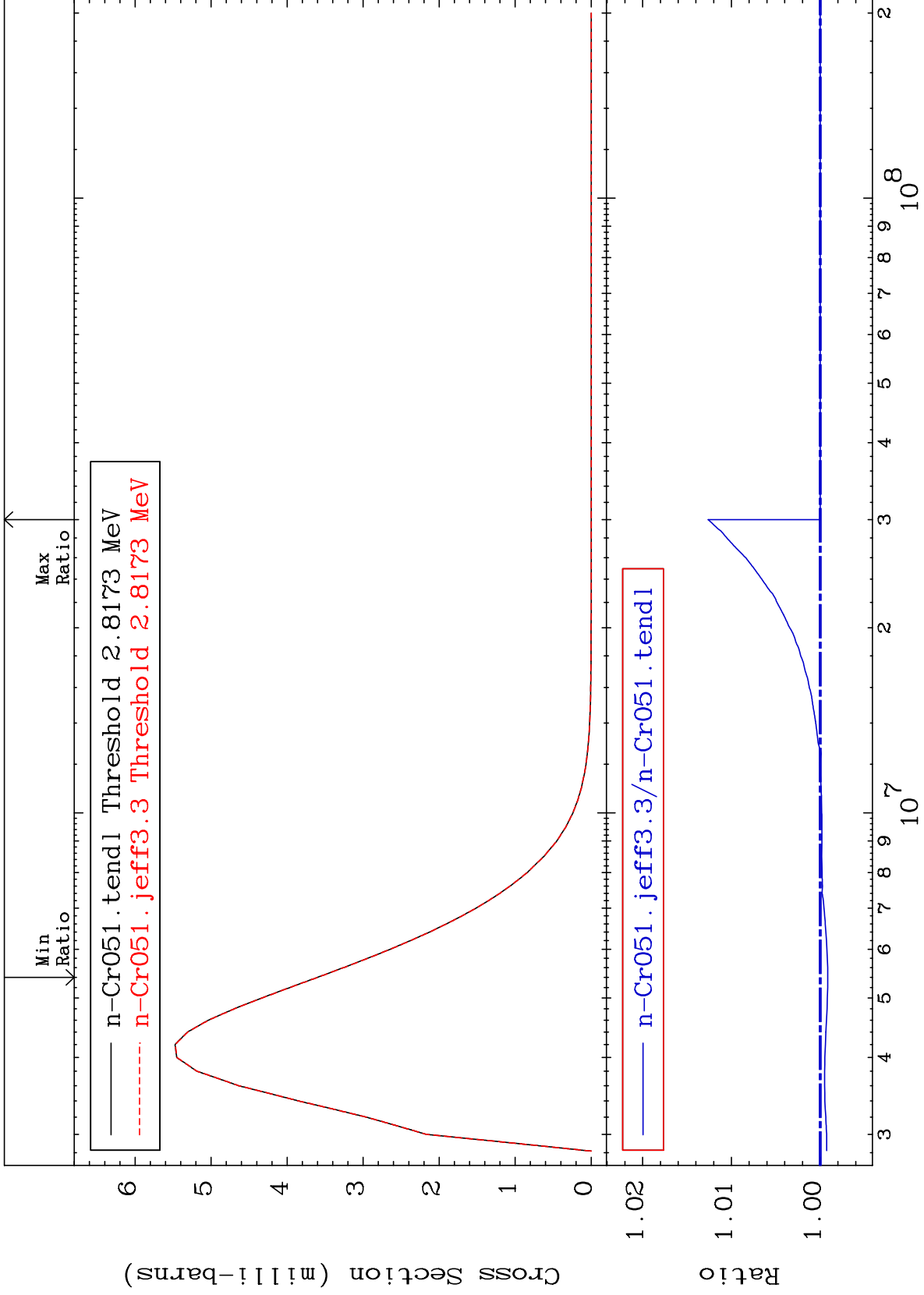
24-Cr-51  
-0.002 To 0.064 %



MAT 2428

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

24-Cr-51  
-0.085 To 1.262 %



30

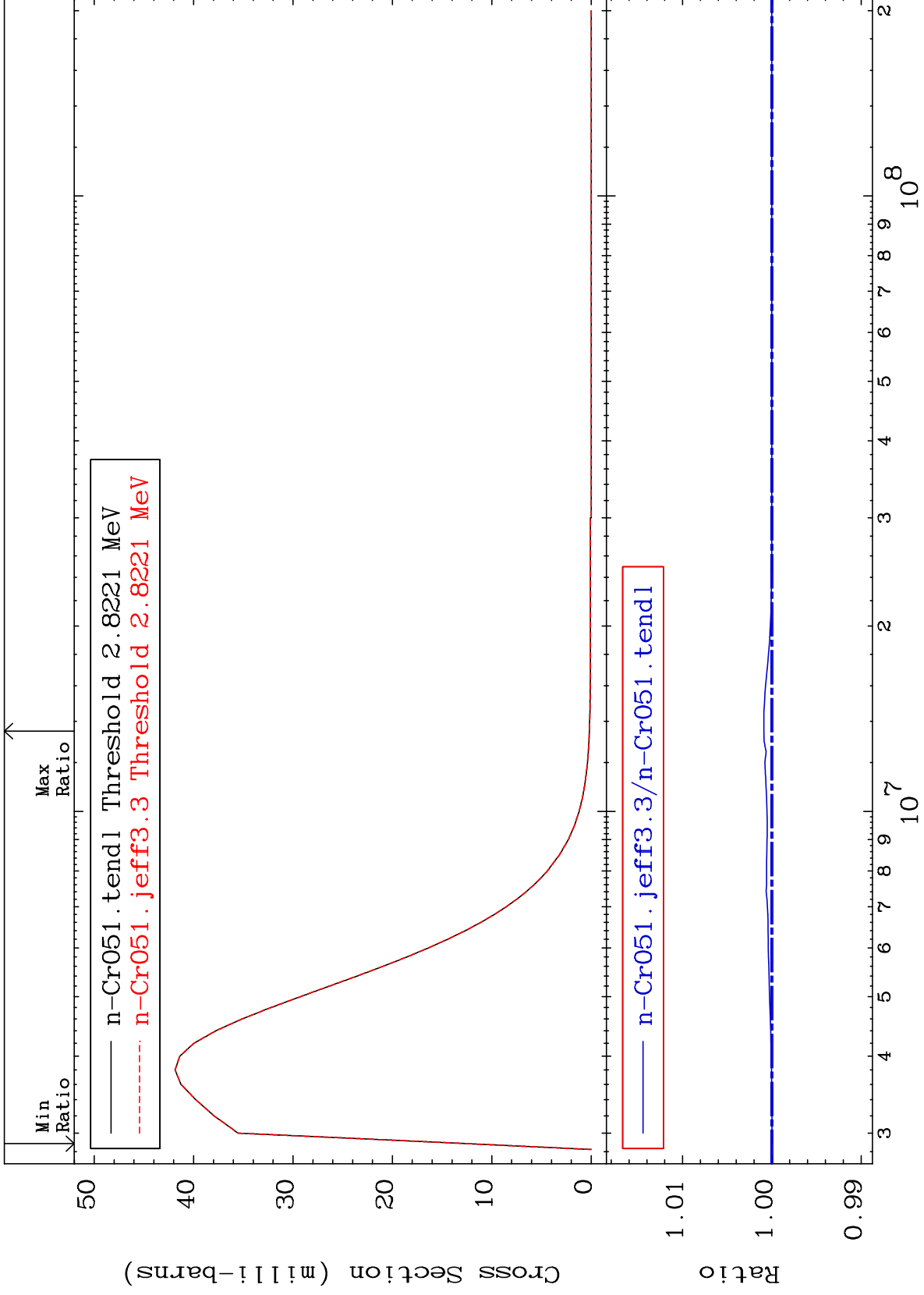
Incident Energy (eV)

24-Cr-51

MAT 2428

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

24-Cr-51  
-0.002 To 0.090 %



31

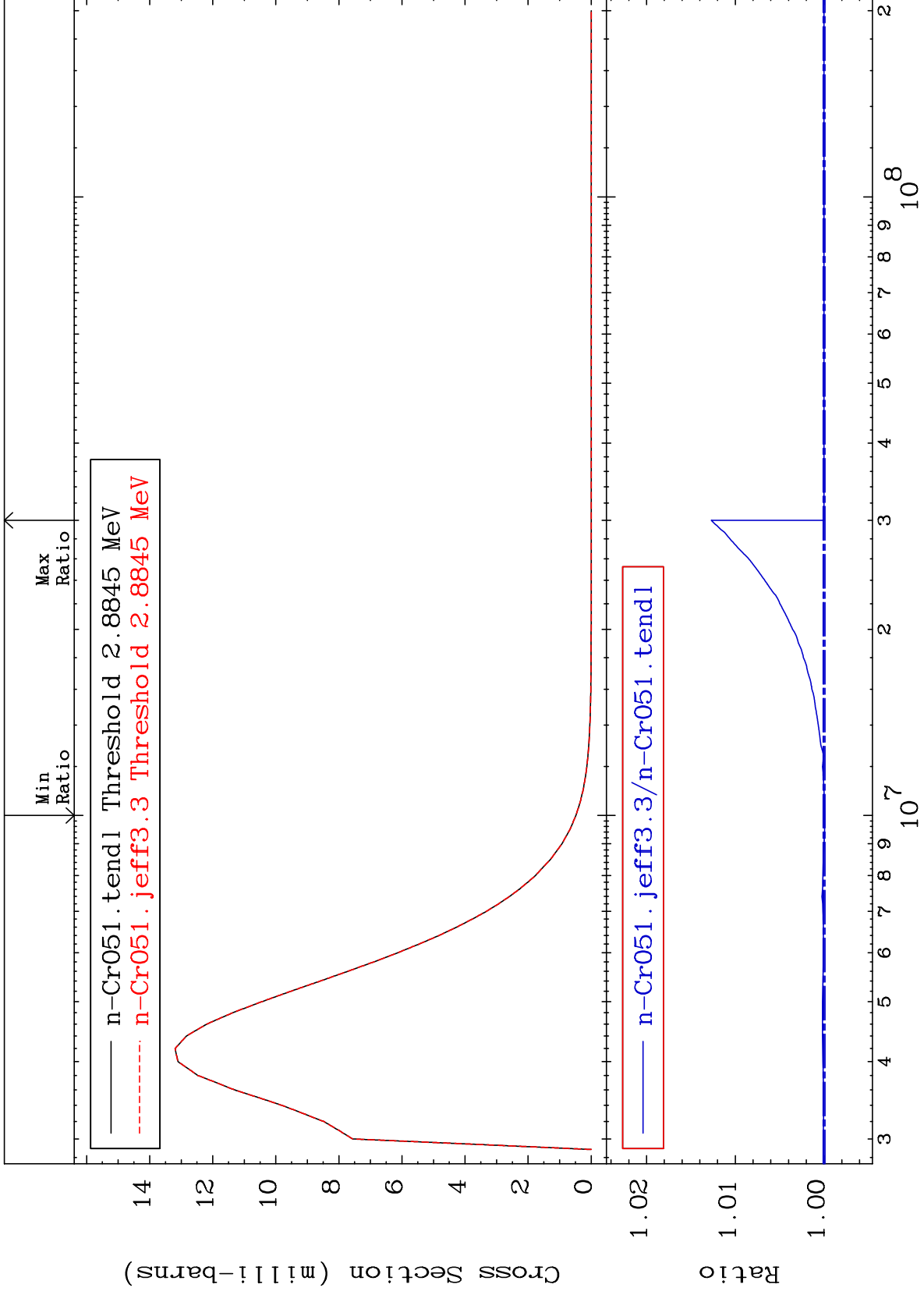
Incident Energy (eV)

24-Cr-51

MAT 2428

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

<sup>24</sup>Cr-51  
-0.007 To 1.271 %



32

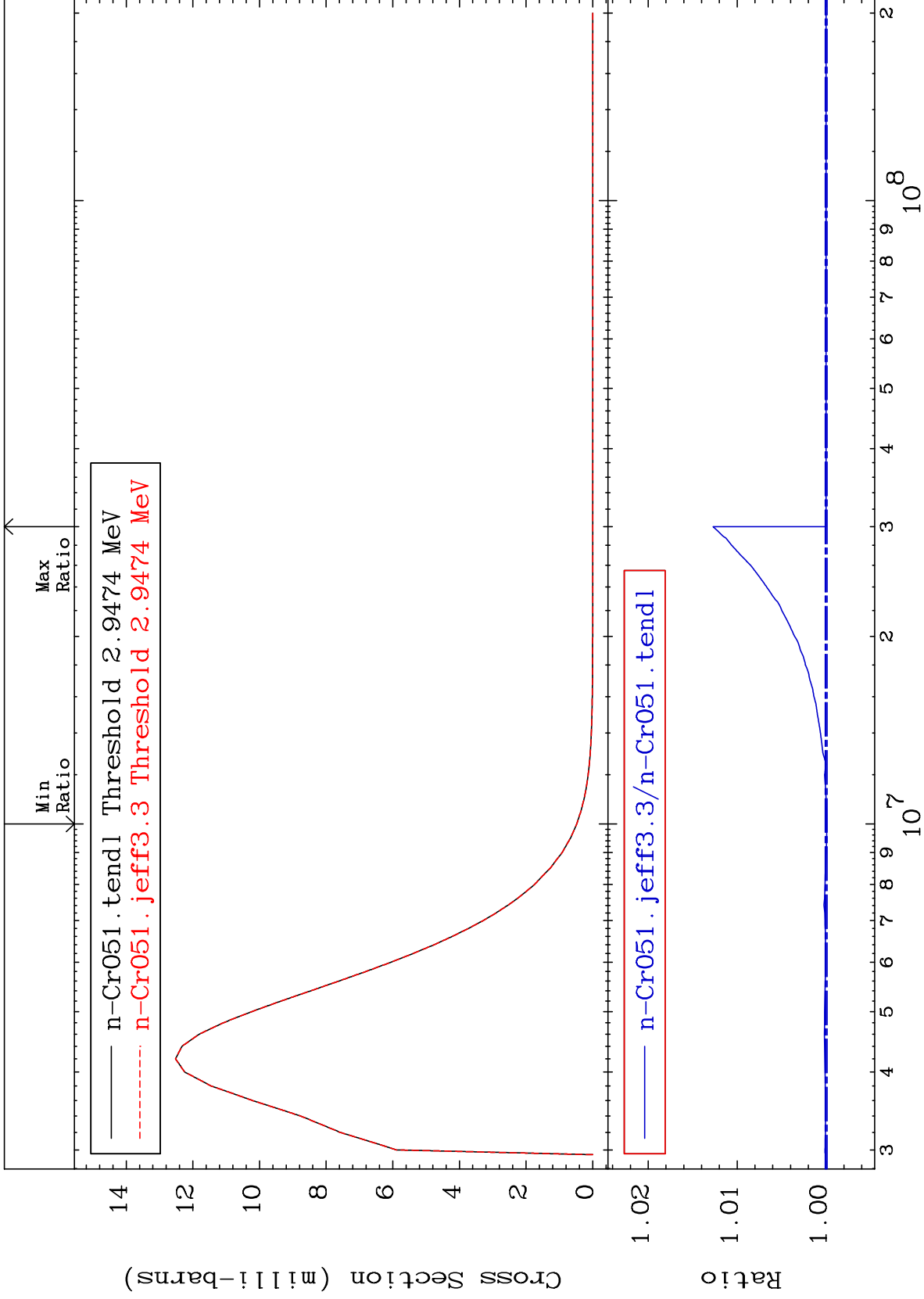
<sup>24</sup>Cr-51



MAT 2428

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

<sup>24</sup>Cr-51  
-0.007 To 1.271 %



33

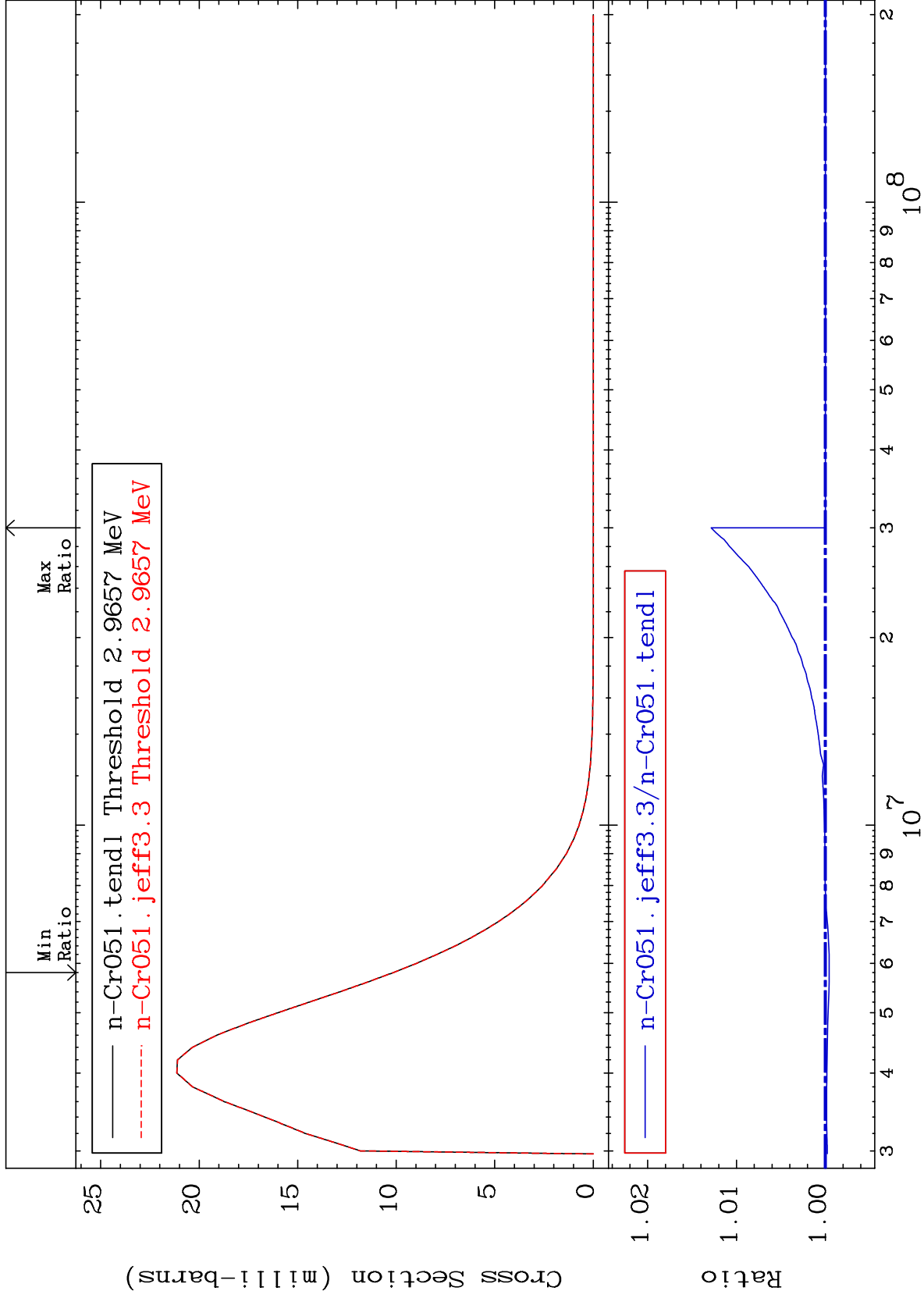
Incident Energy (eV)

<sup>24</sup>Cr-51

MAT 2428

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

24-Cr-51  
-0.043 To 1.286 %



34

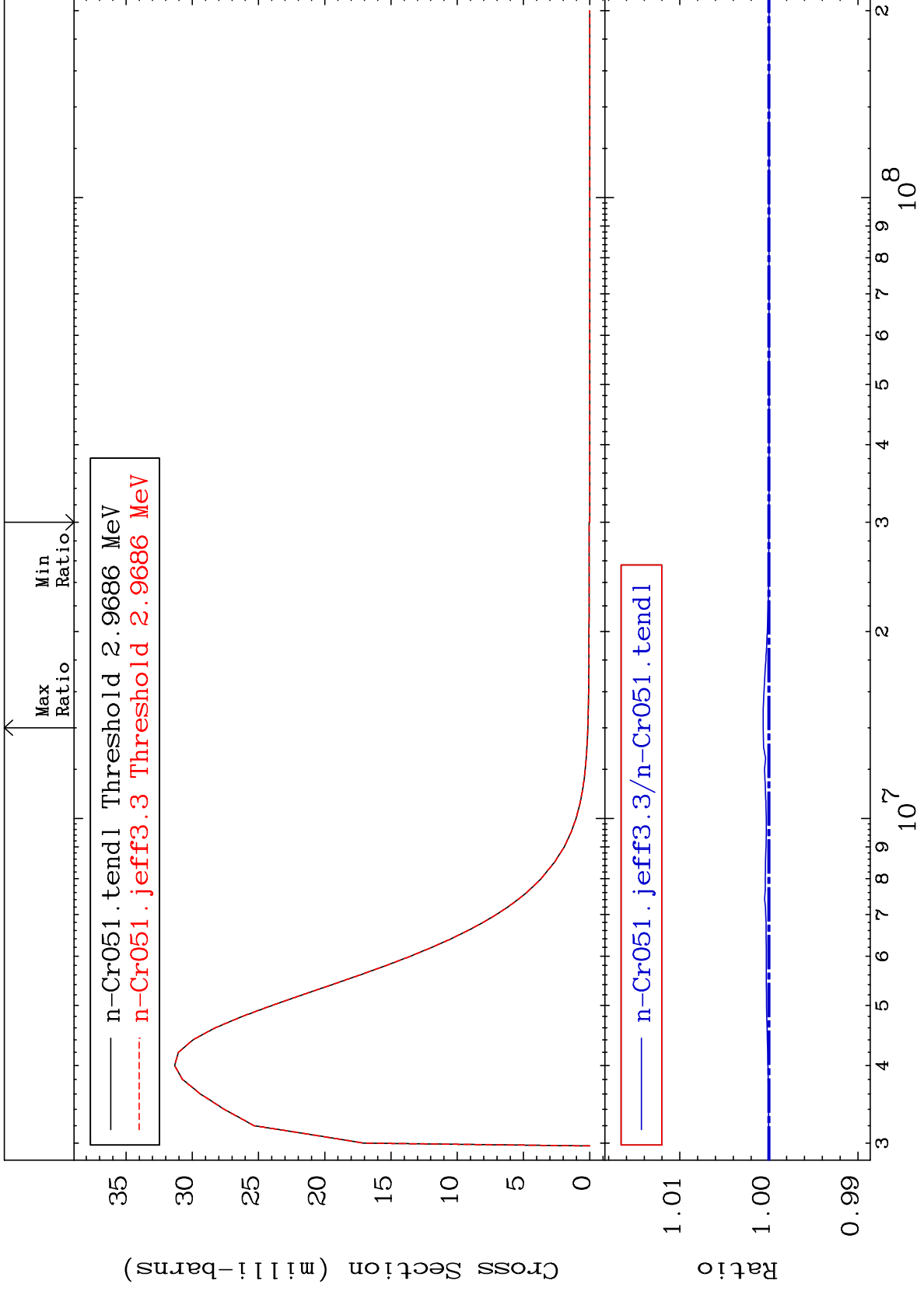
Incident Energy (eV)

24-Cr-51

MAT 2428

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

24-Cr-51  
0.000 To 0.065 %



35

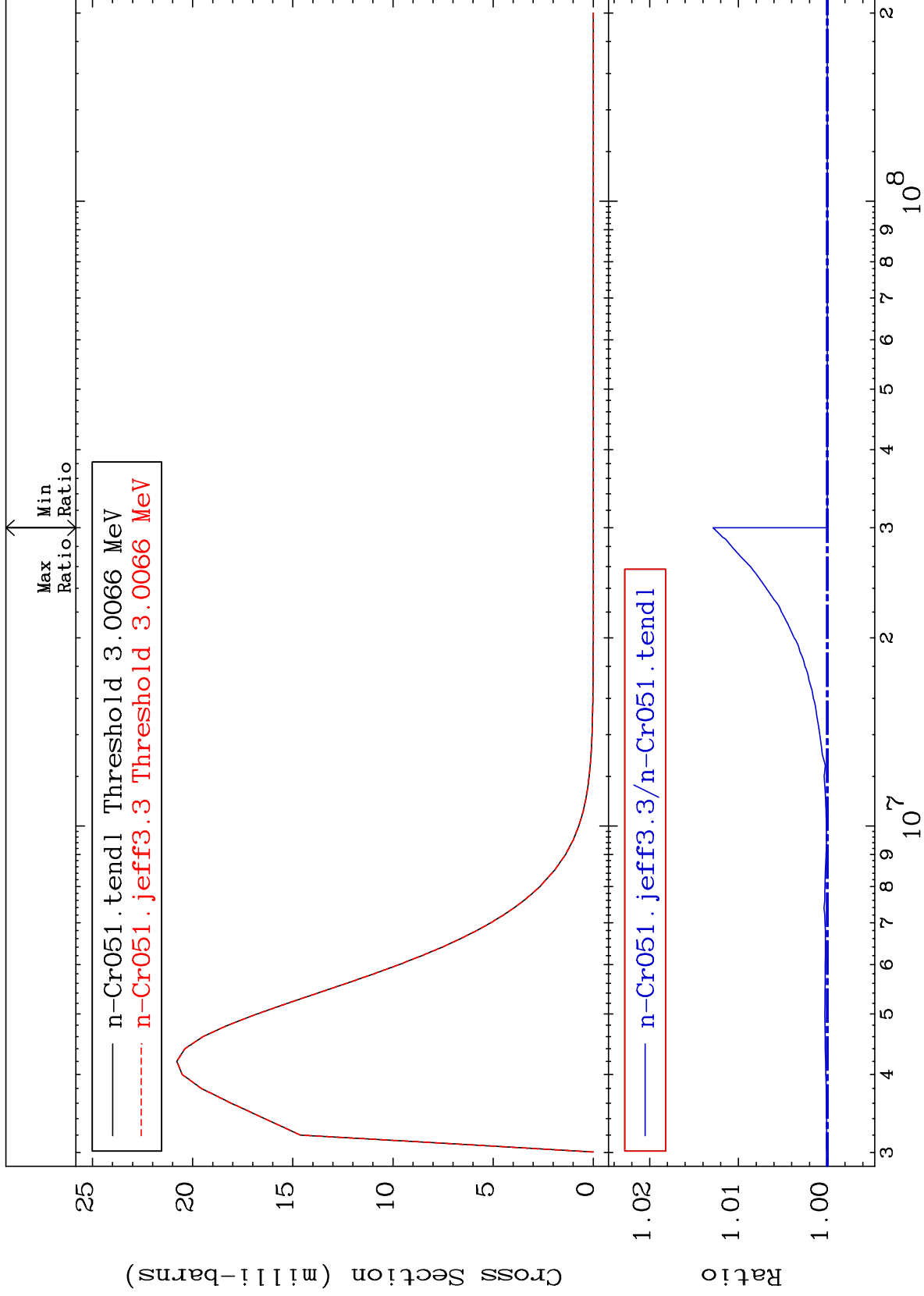
Incident Energy (eV)

24-Cr-51

MAT 2428

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

24-Cr-51  
0.000 To 1.286 %



36

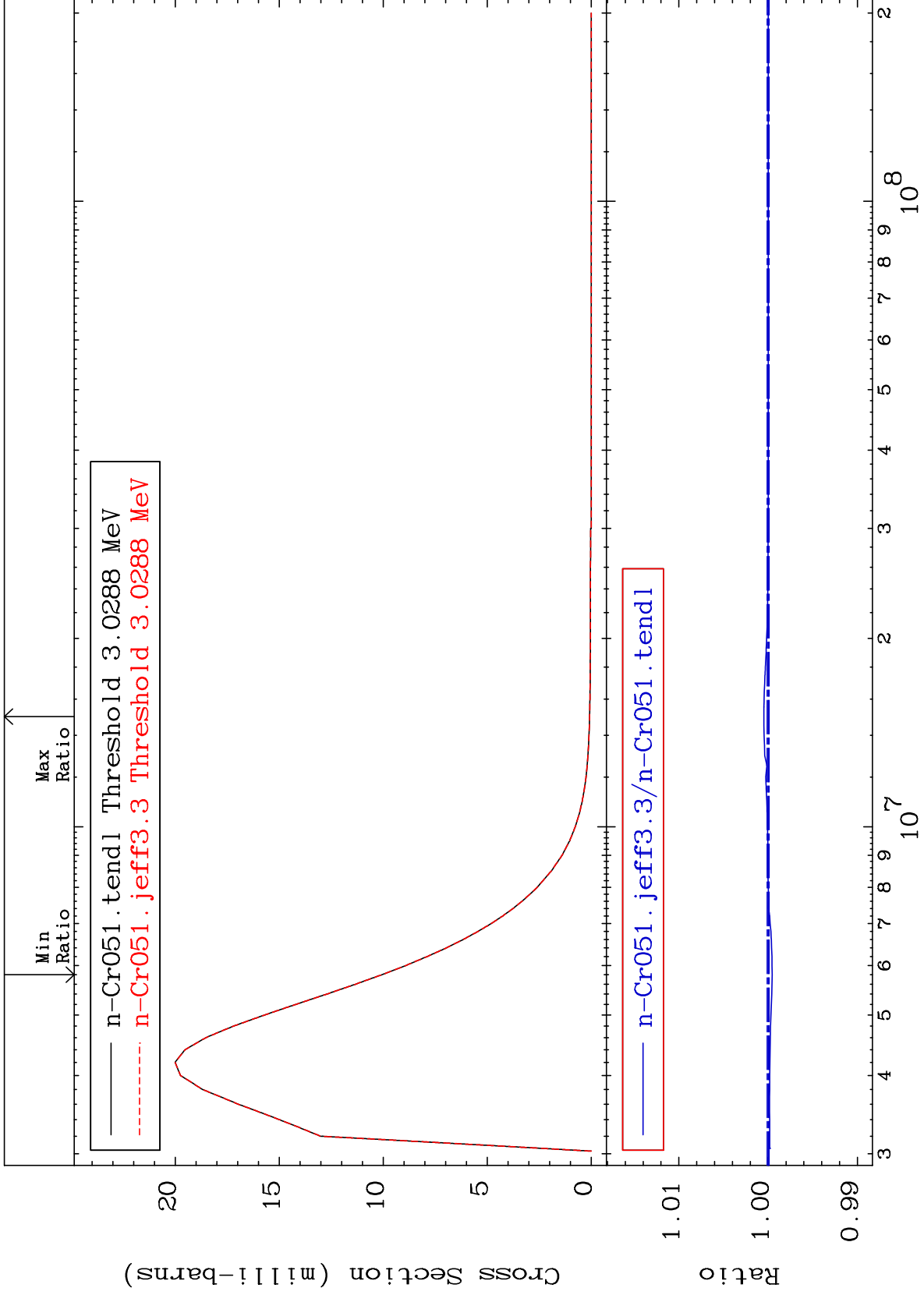
Incident Energy (eV)

24-Cr-51

MAT 2428

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

24-Cr-51  
-0.044 To 0.049 %



37

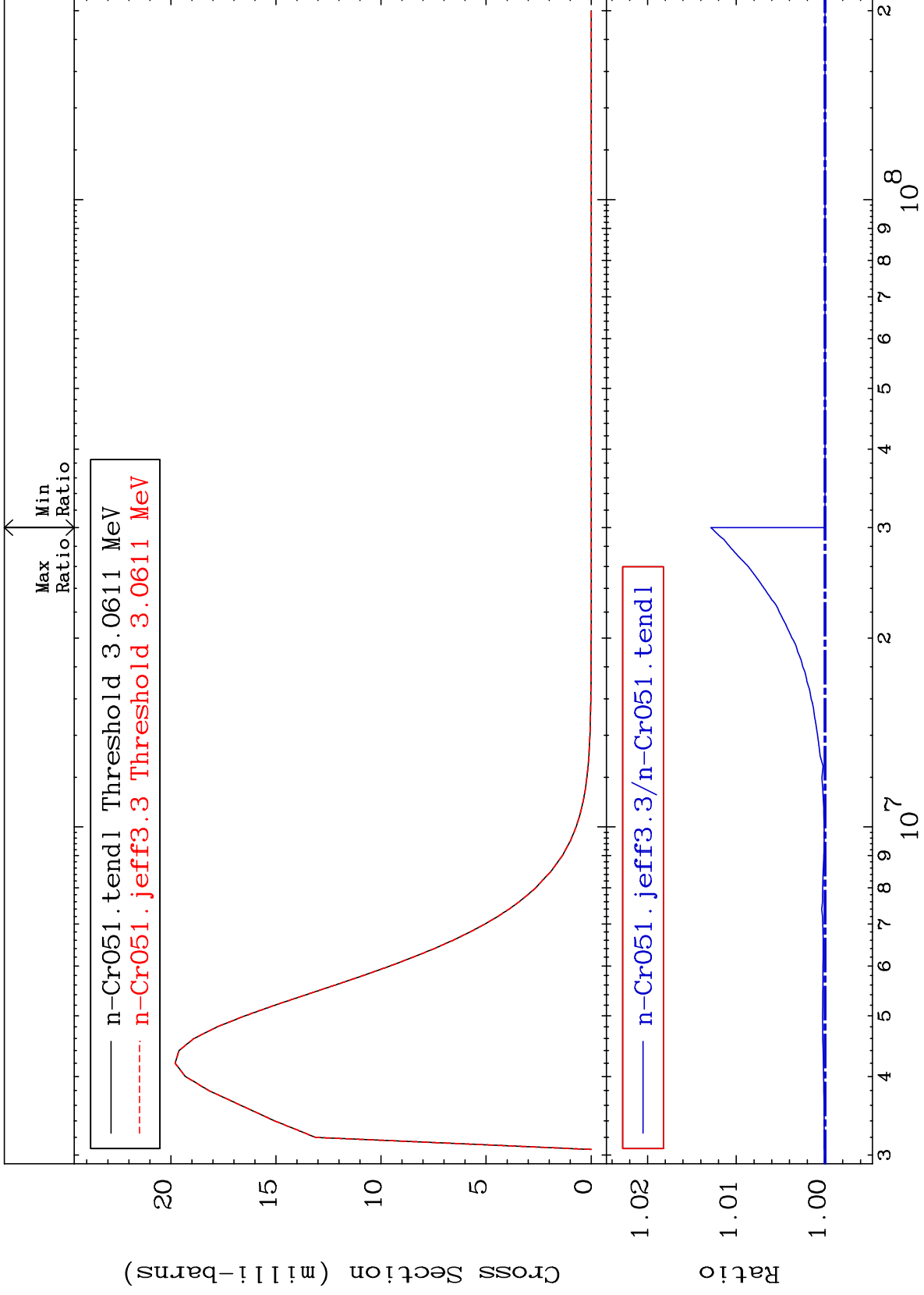
Incident Energy (eV)

24-Cr-51

MAT 2428

MT= 74 (n,n') Level  
Cross Section

24-Cr-51  
0.000 To 1.286 %



38

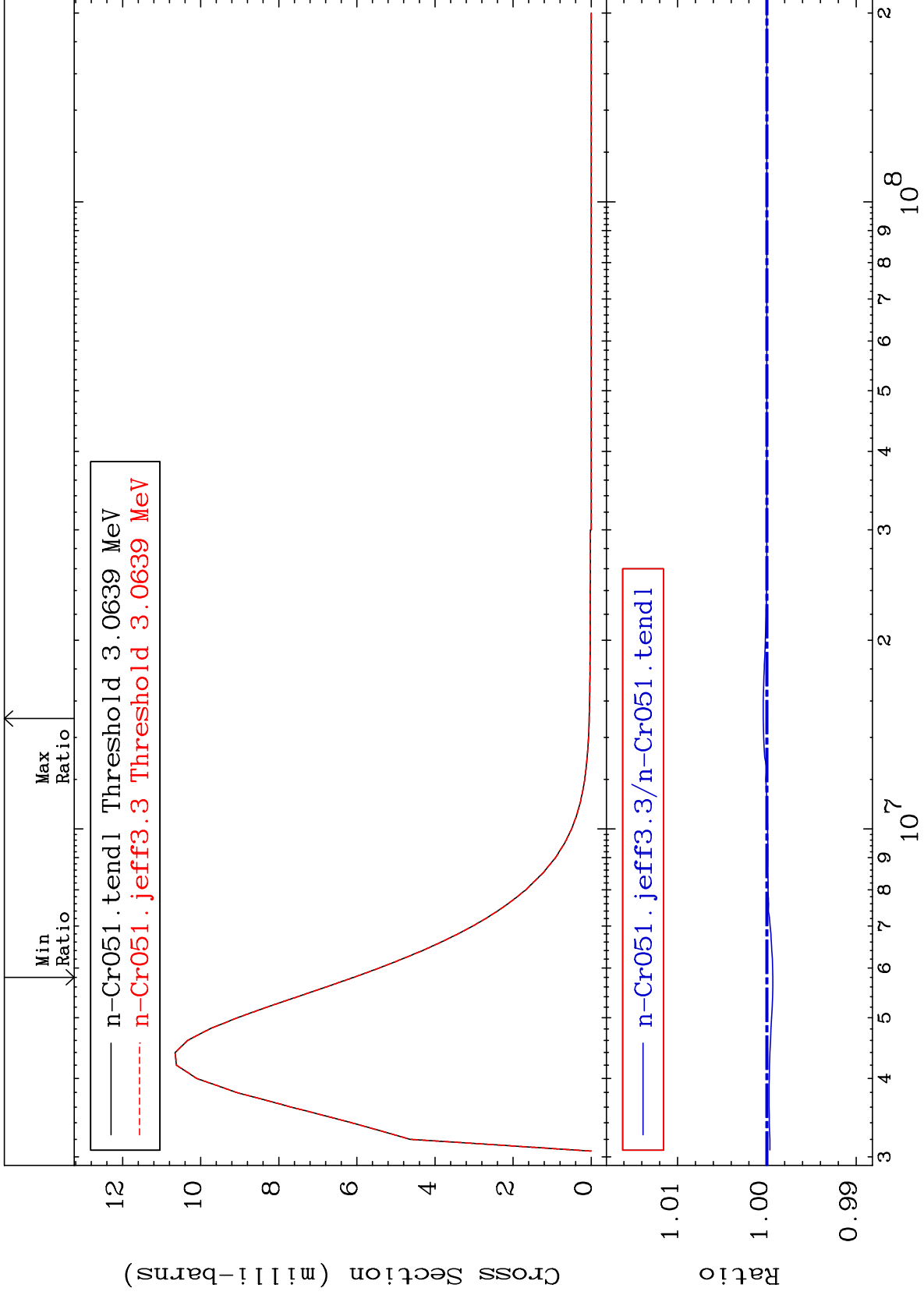
Incident Energy (eV)

24-Cr-51

MAT 2428

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

24-Cr-51  
-0.066 To 0.041 %



39

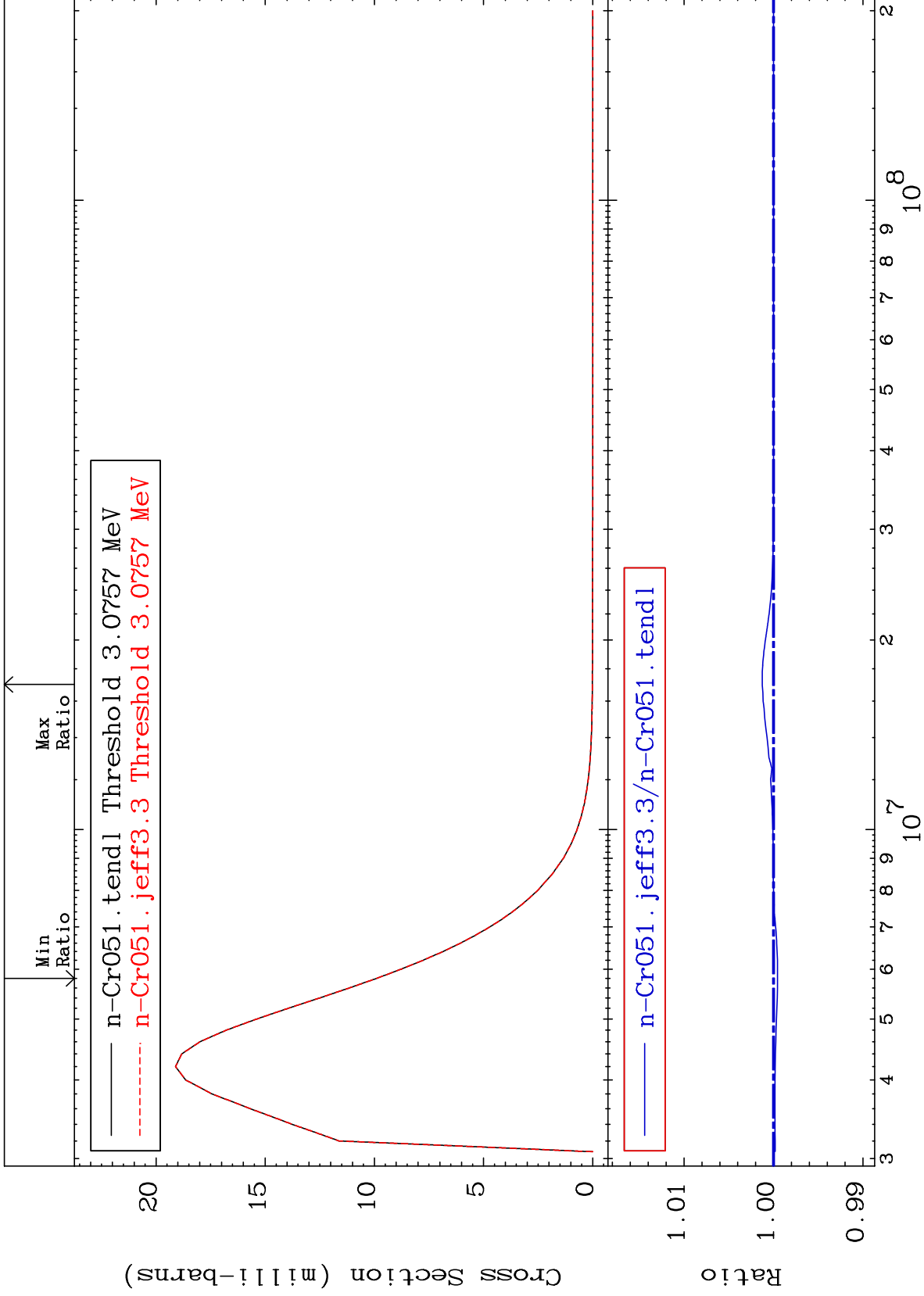
Incident Energy (eV)

24-Cr-51

MAT 2428

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

24-Cr-51  
-0.045 To 0.126 %



40

Incident Energy (eV)

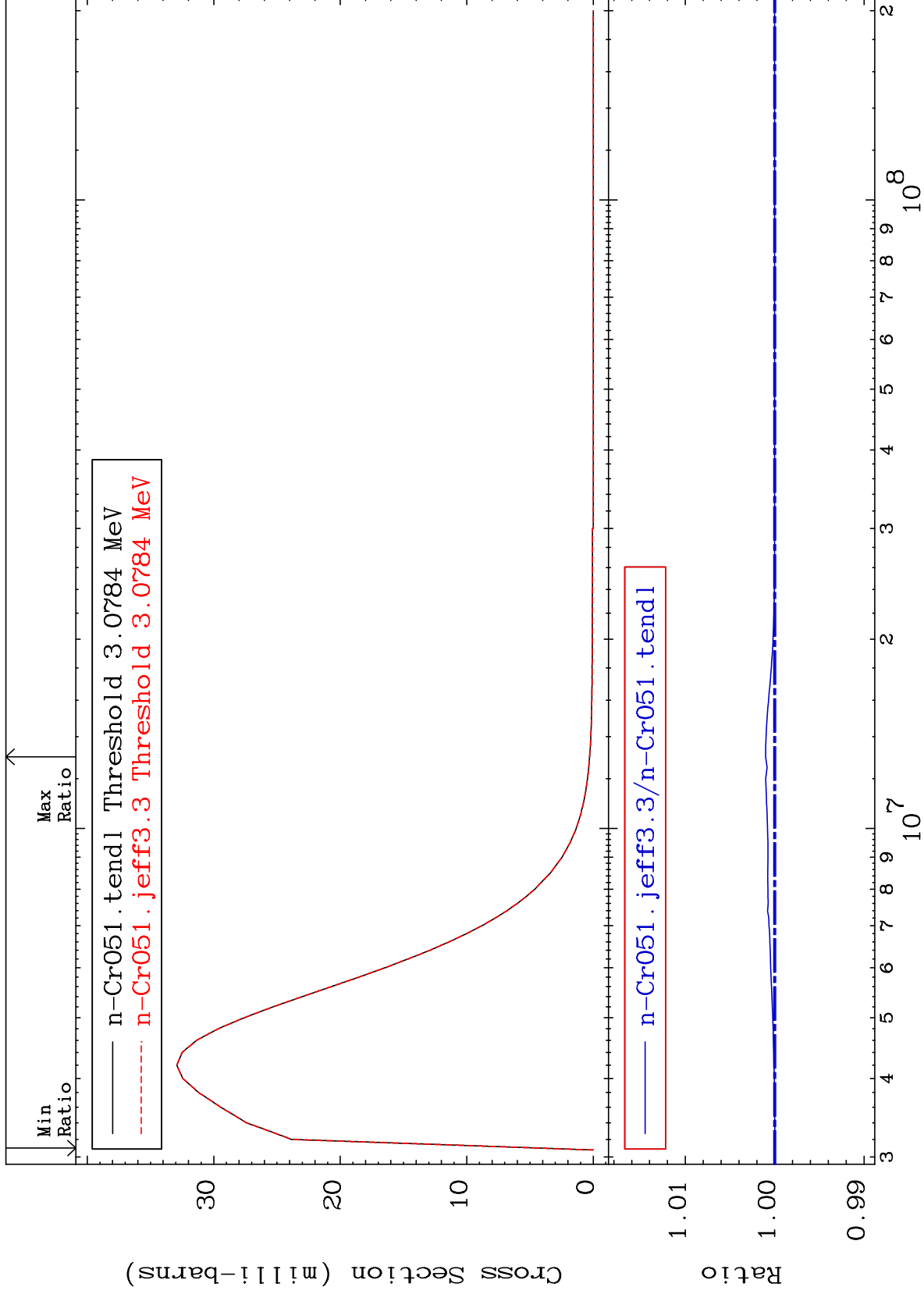
24-Cr-51



MAT 2428

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

24-Cr-51  
To 0.102 %



41

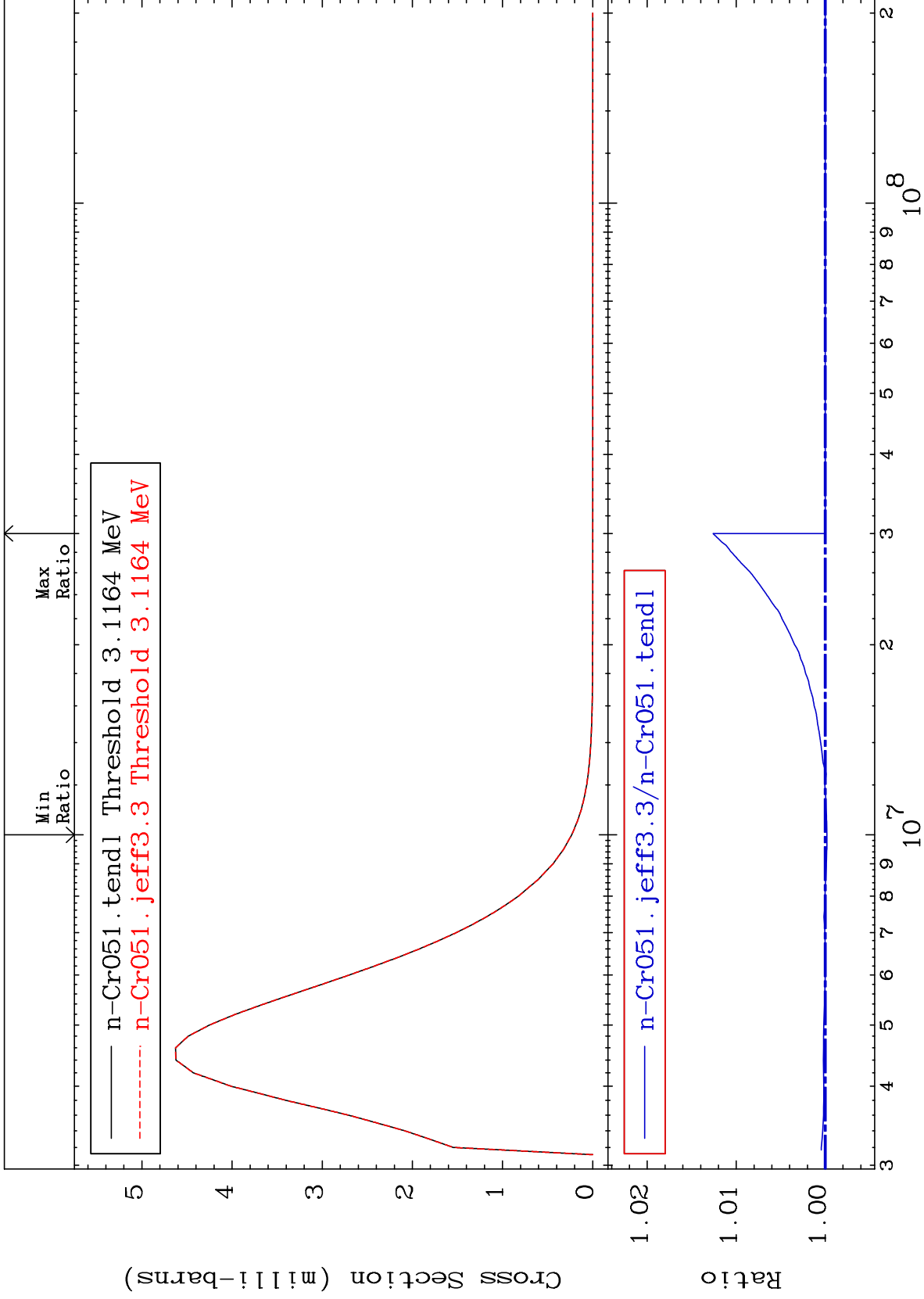
Incident Energy (eV)

24-Cr-51

MAT 2428

MT= 78 (n,n') Level  
Cross Section

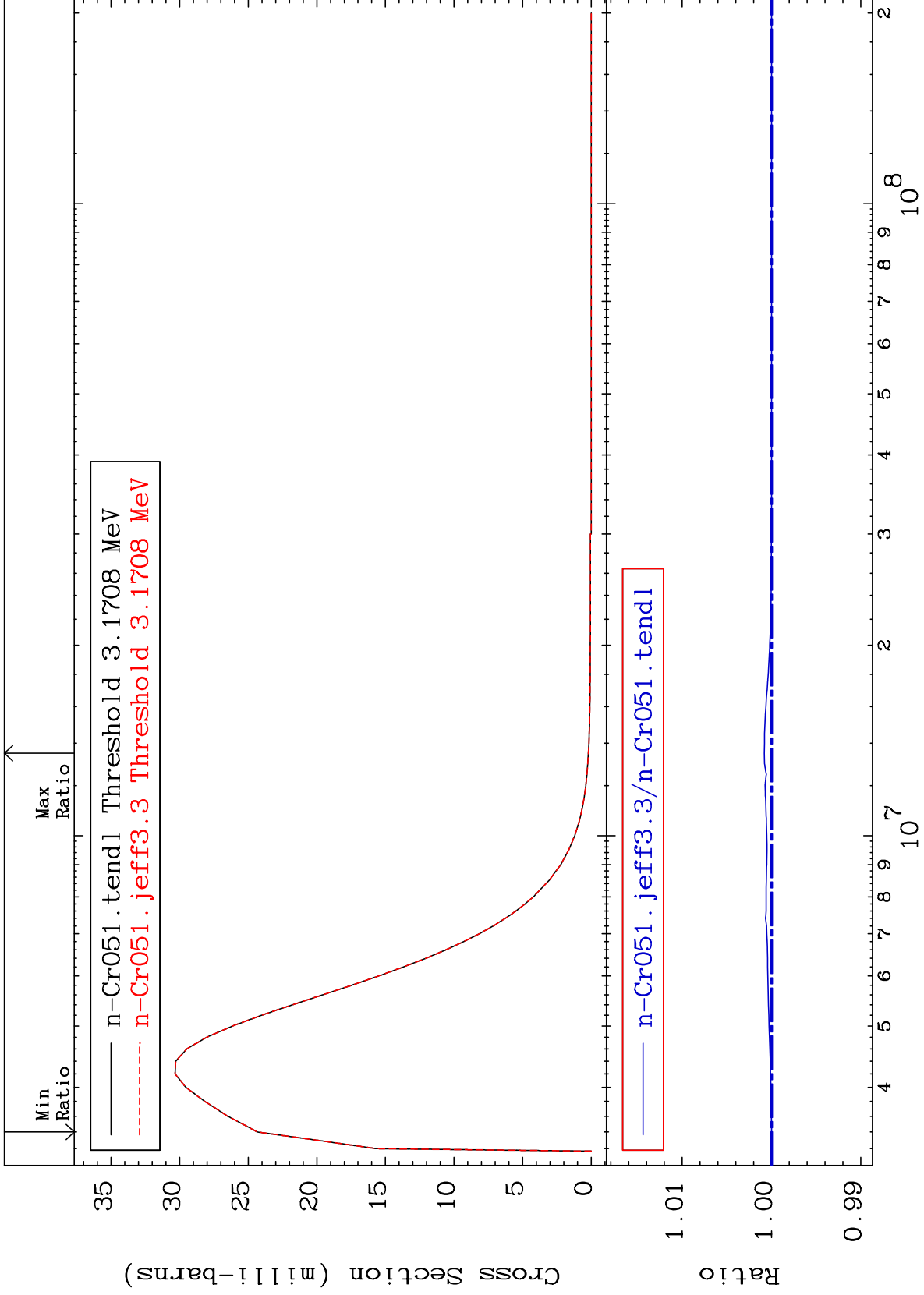
24-Cr-51  
-0.018 To 1.262 %



MAT 2428

MT= 79 (n,n') Level  
Cross Section

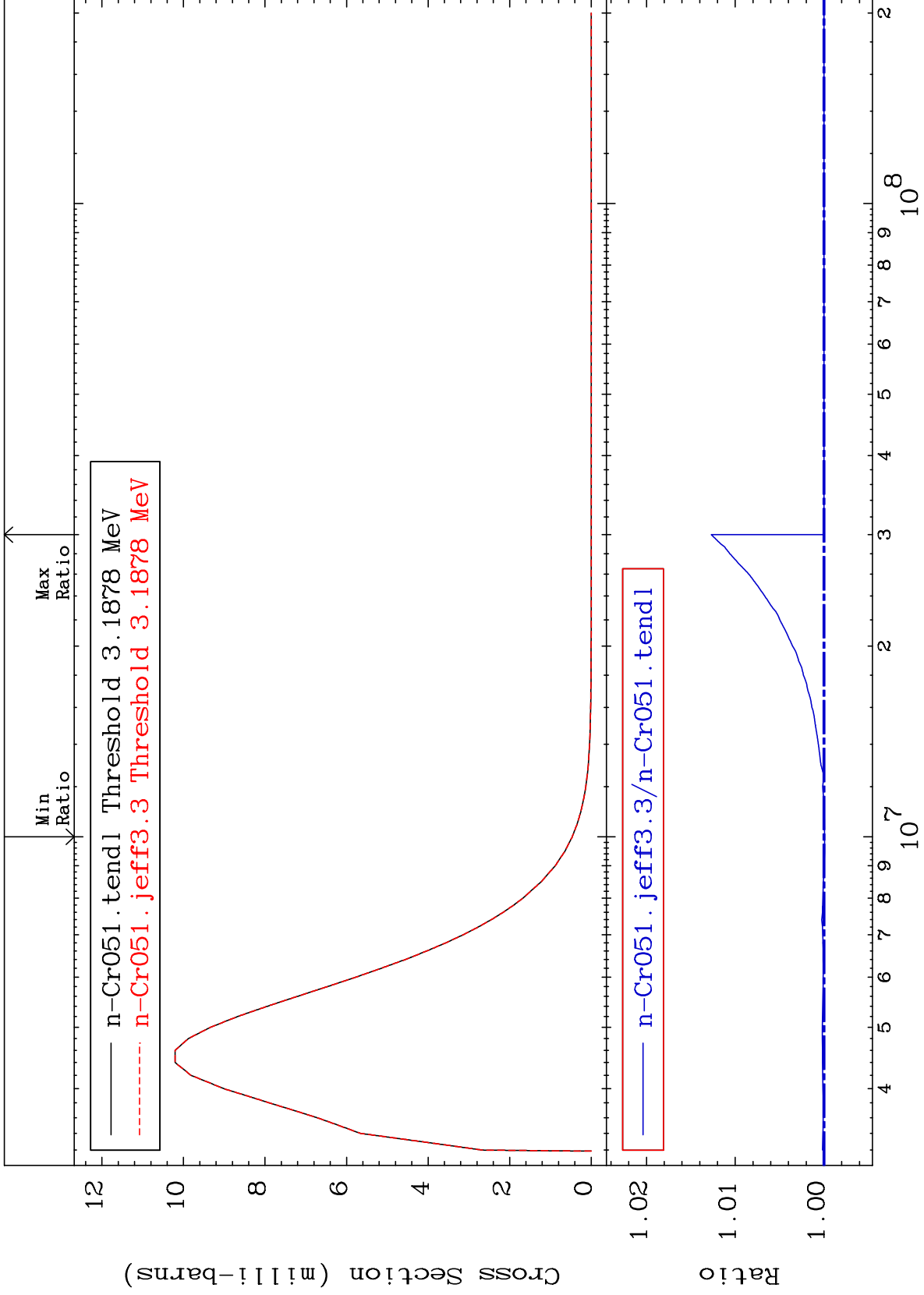
24-Cr-51  
0.000 To 0.079 %



MAT 2428

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

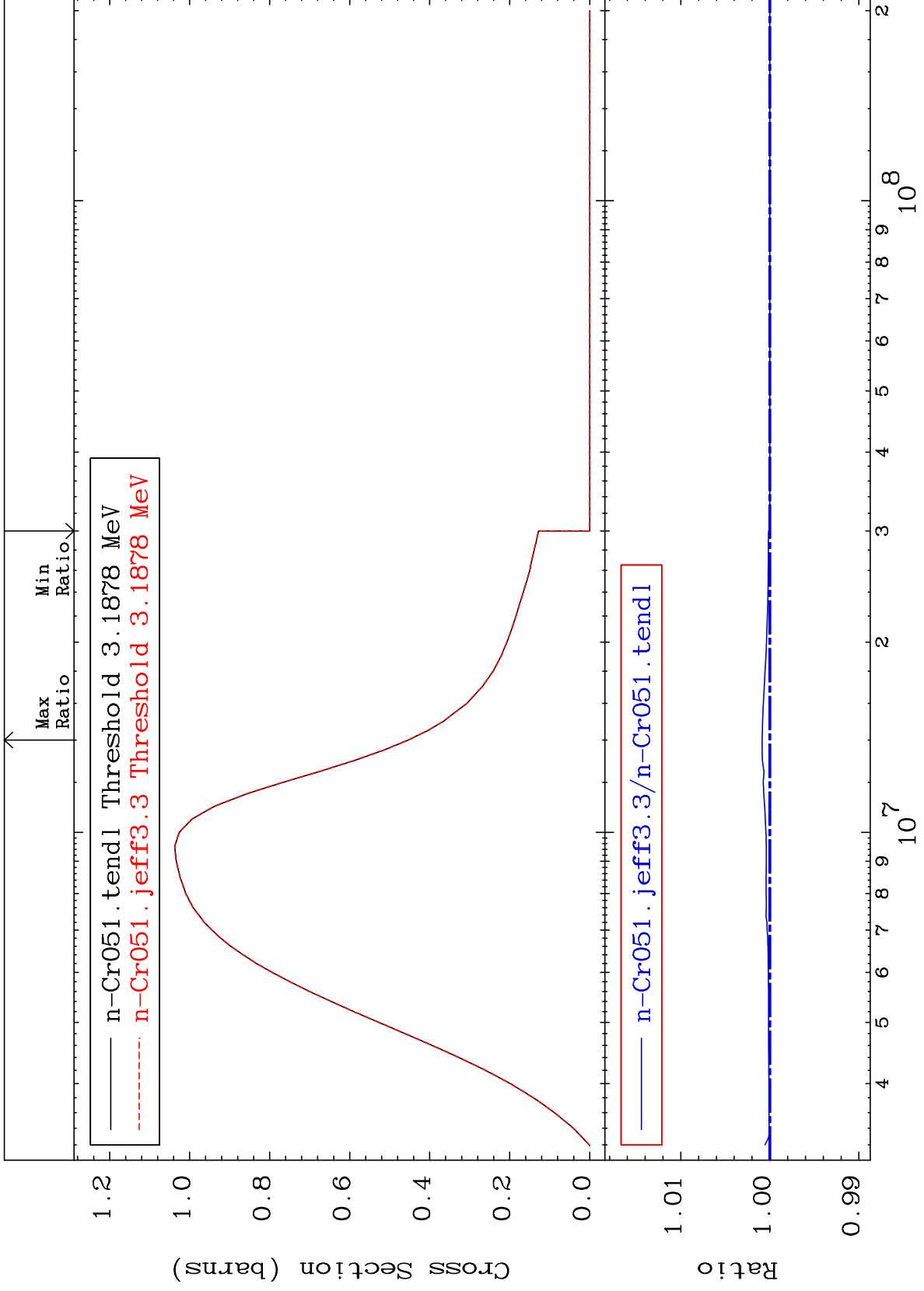
24-Cr-51  
-0.008 To 1.271 %



MAT 2428

(n, n') Continuum  
Cross Section

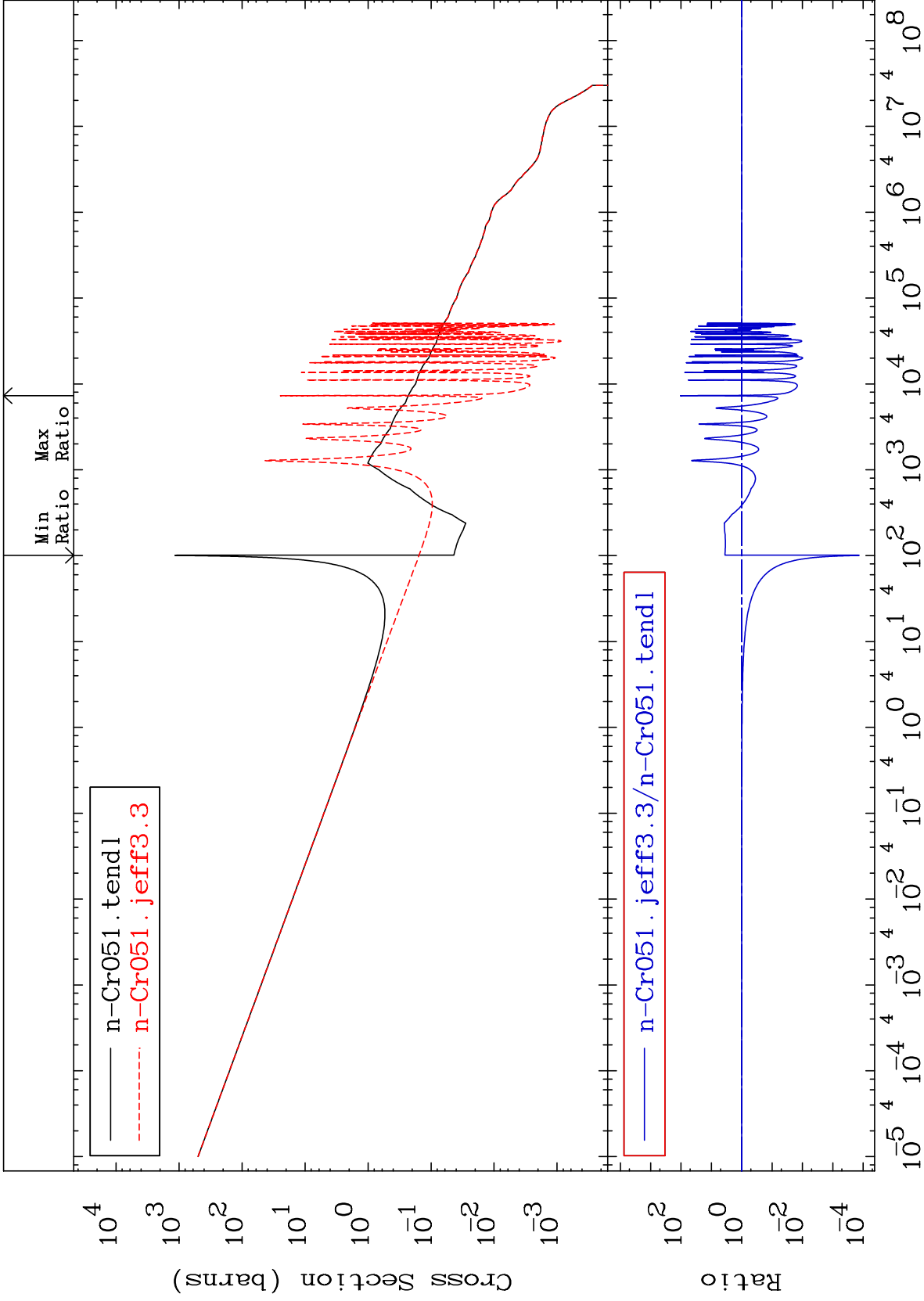
24-Cr-51  
0.000 To 0.086 %



45

Incident Energy (eV)

24-Cr-51



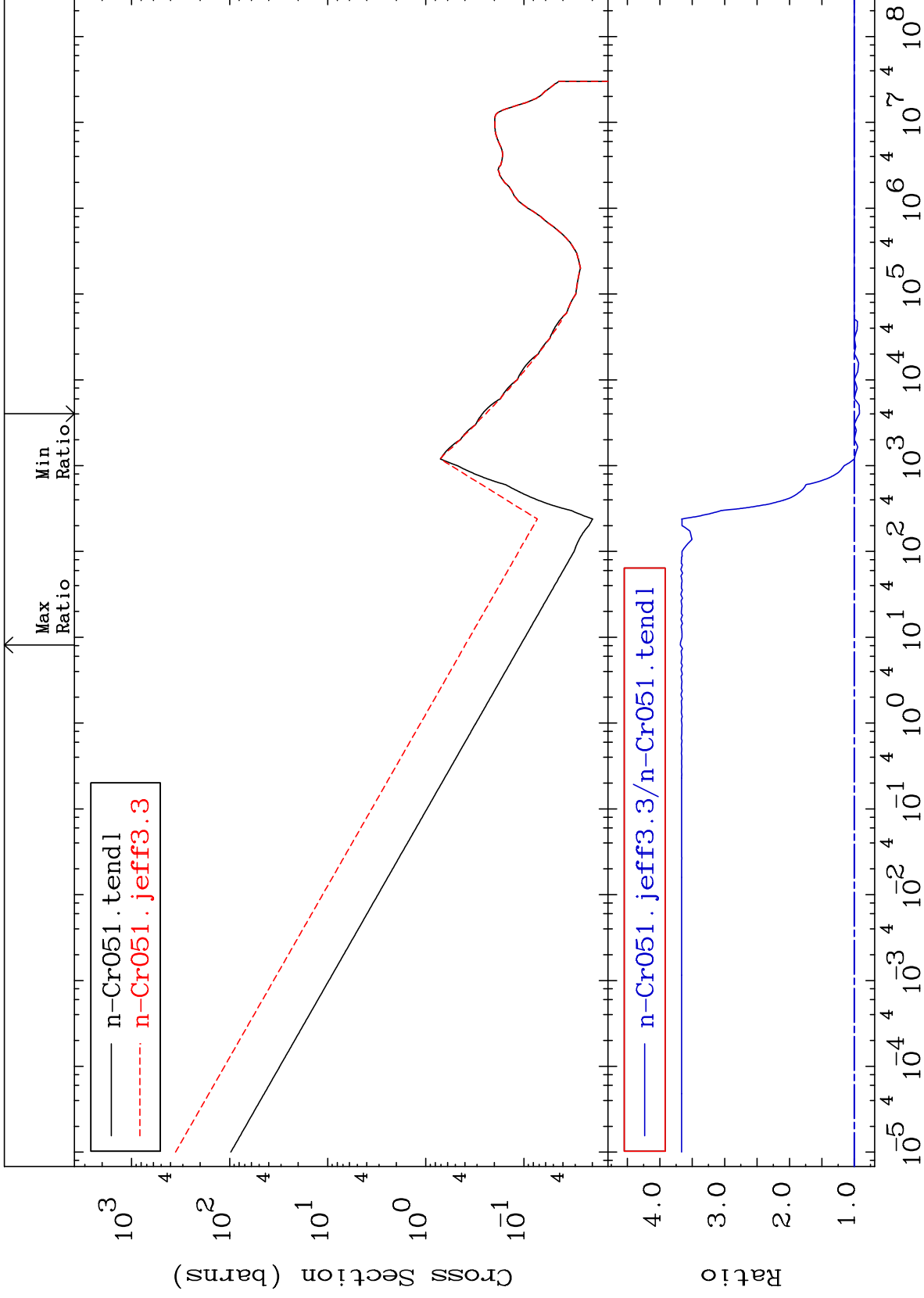
MAT 2428

24-Cr-51

-7.906 To 268.4 %

(n,p)

Cross Section



47

Incident Energy (eV)

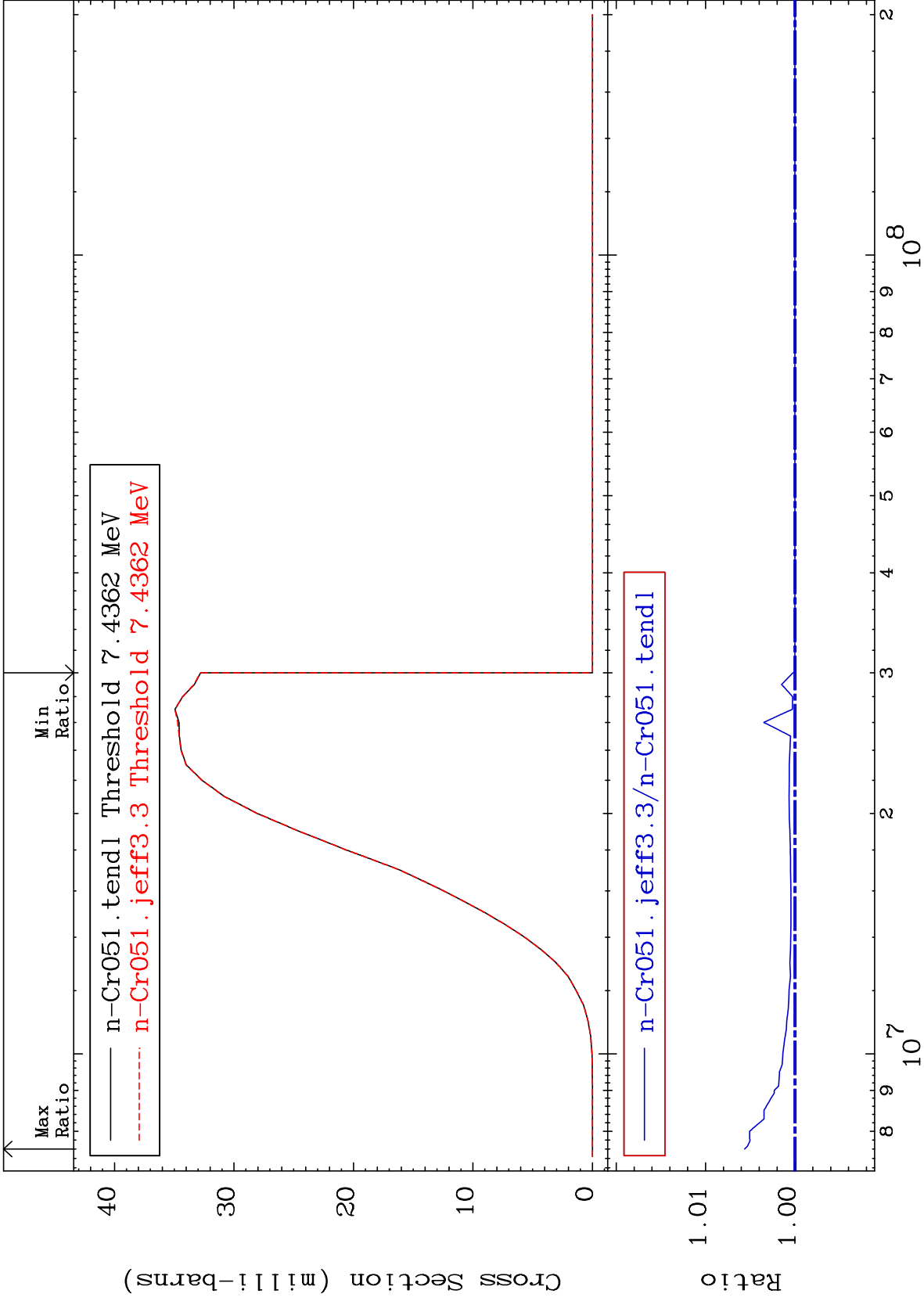
24-Cr-51

MAT 2428

<sup>24</sup>Cr-51

(n, d)  
Cross Section

0.000 To 0.564 %



48

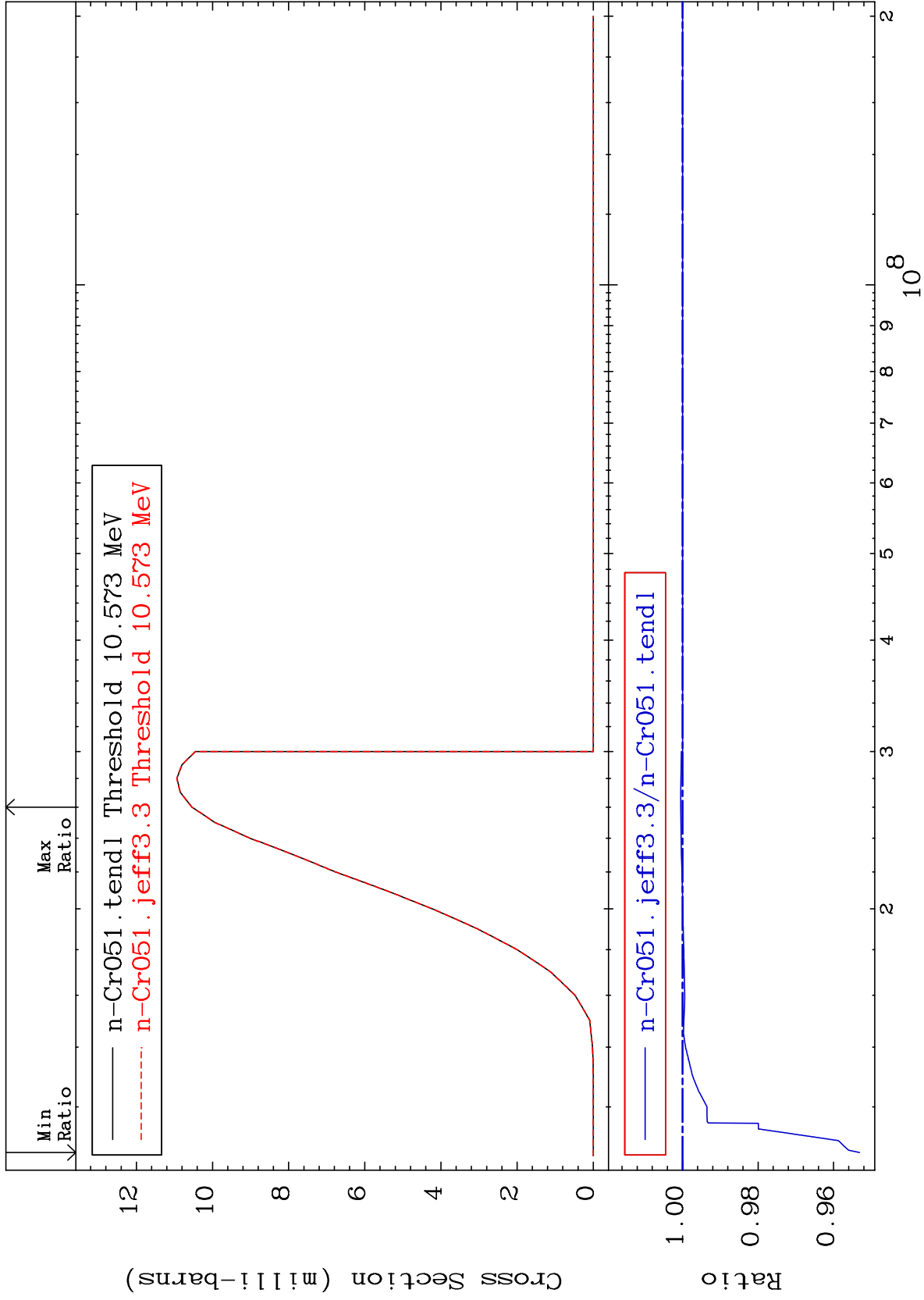
Incident Energy (eV)

<sup>24</sup>Cr-51



Cross Section

-4.686 To 0.046 %



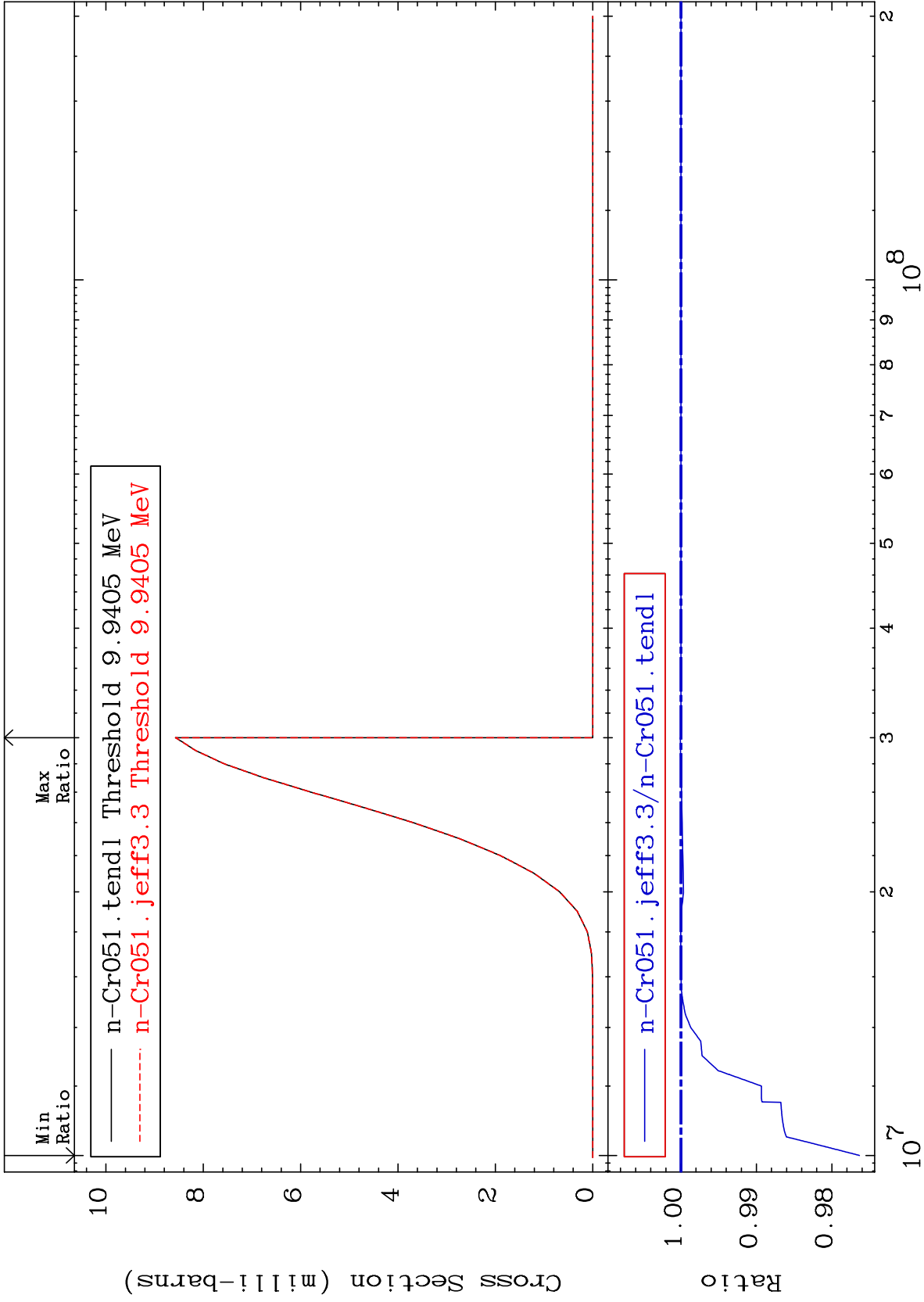
MAT 2428

(n, He-3)

<sup>24</sup>Cr-51

Cross Section

-2.365 To 0.008 %



Incident Energy (eV)

<sup>24</sup>Cr-51

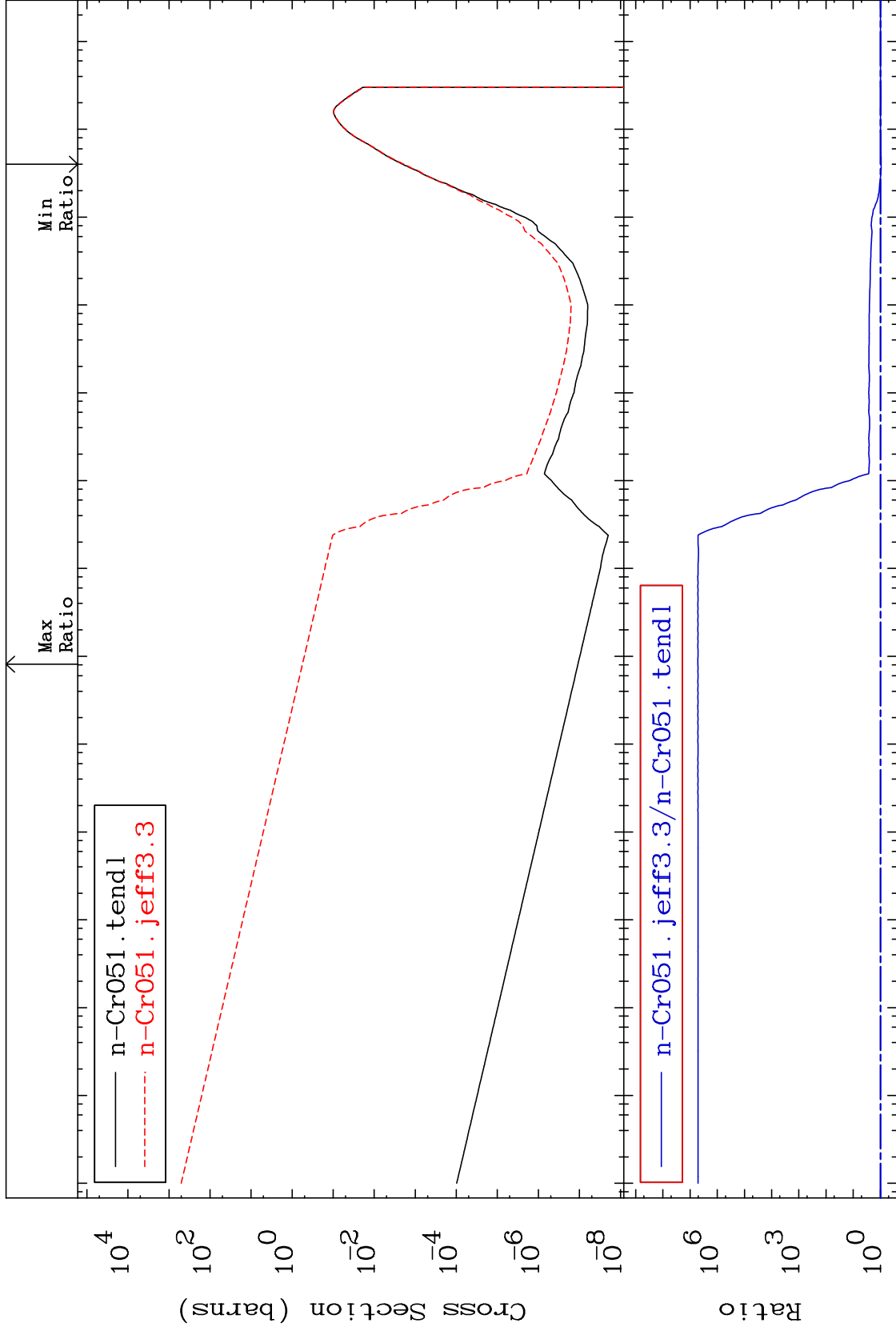
MAT 2428

(n,  $\alpha$ )

24-Cr-51

Cross Section

-5.791 To 9999. %



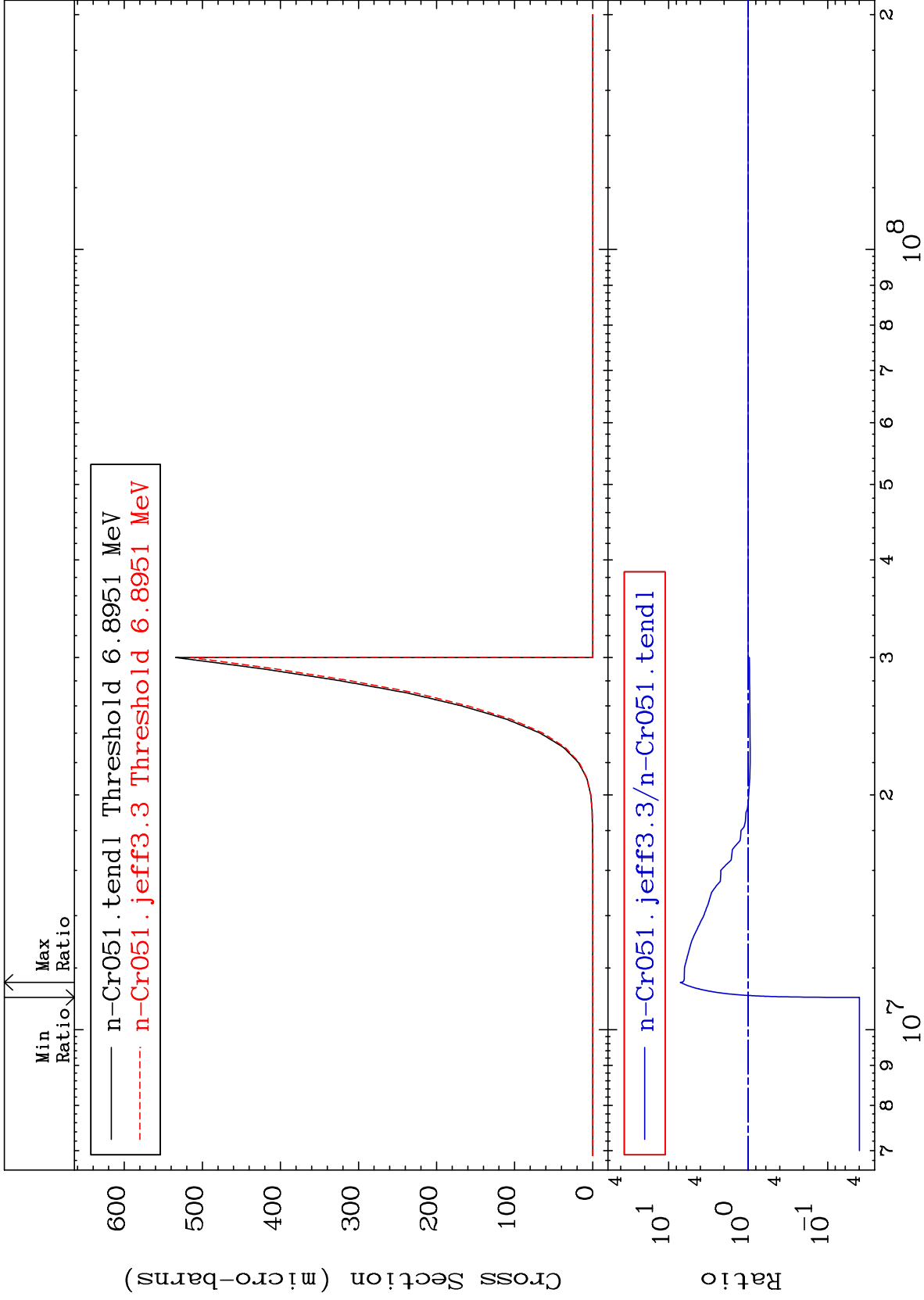
51

Incident Energy (eV)

24-Cr-51

Cross Section

-96.02 To 611.9 %



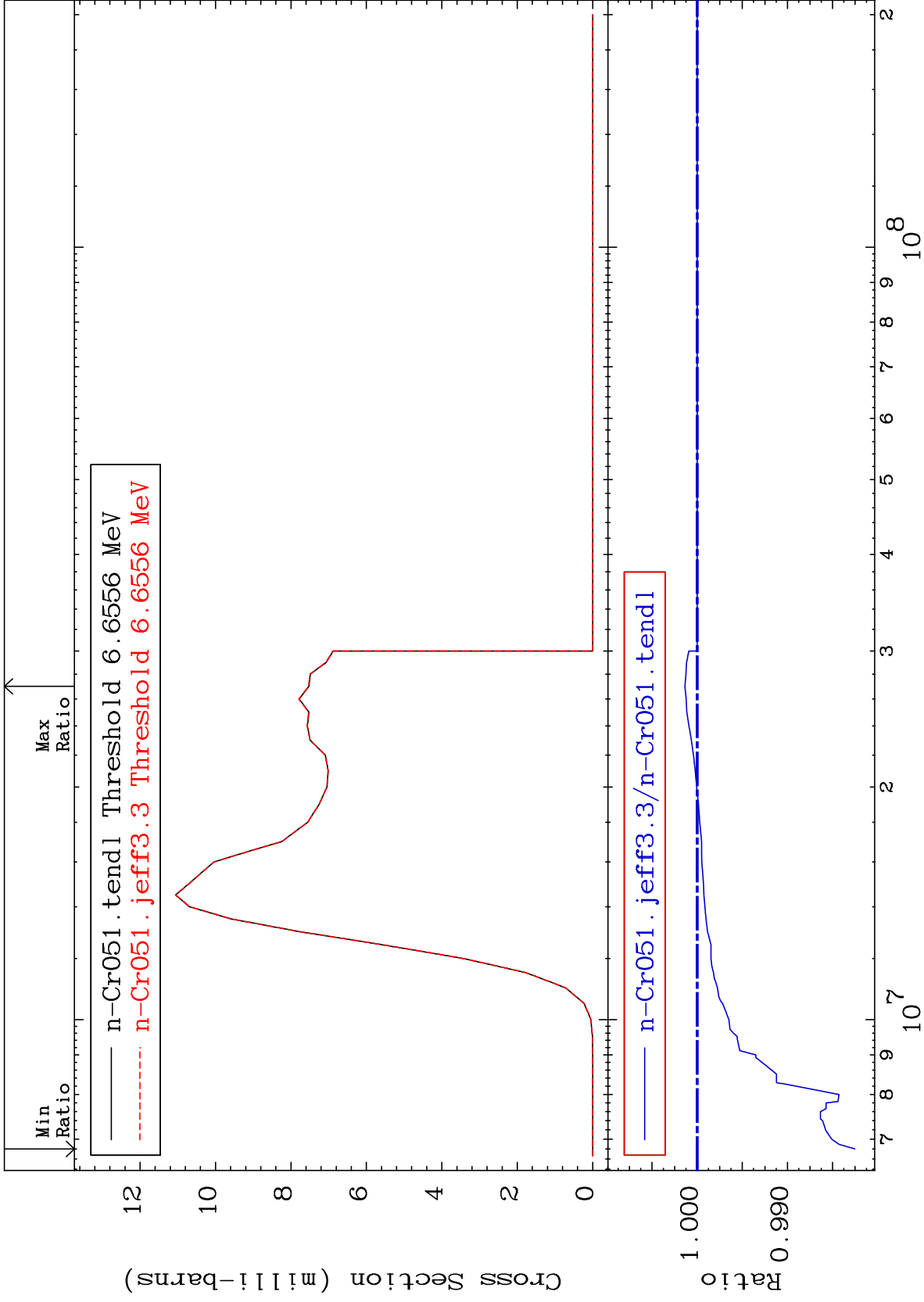
MAT 2428

(n,2p)

<sup>24</sup>Cr-51

Cross Section

-1.747 To 0.136 %



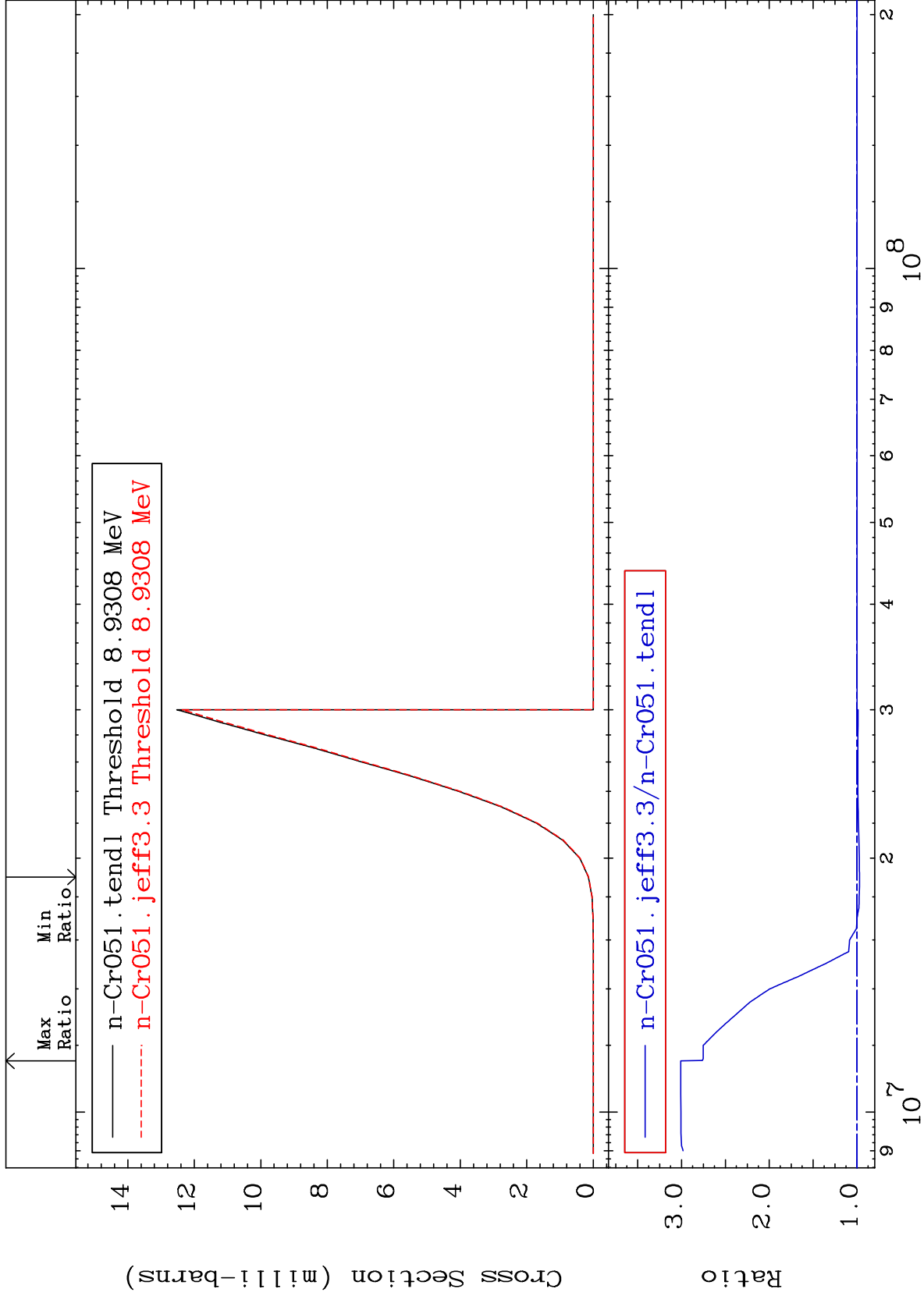
53

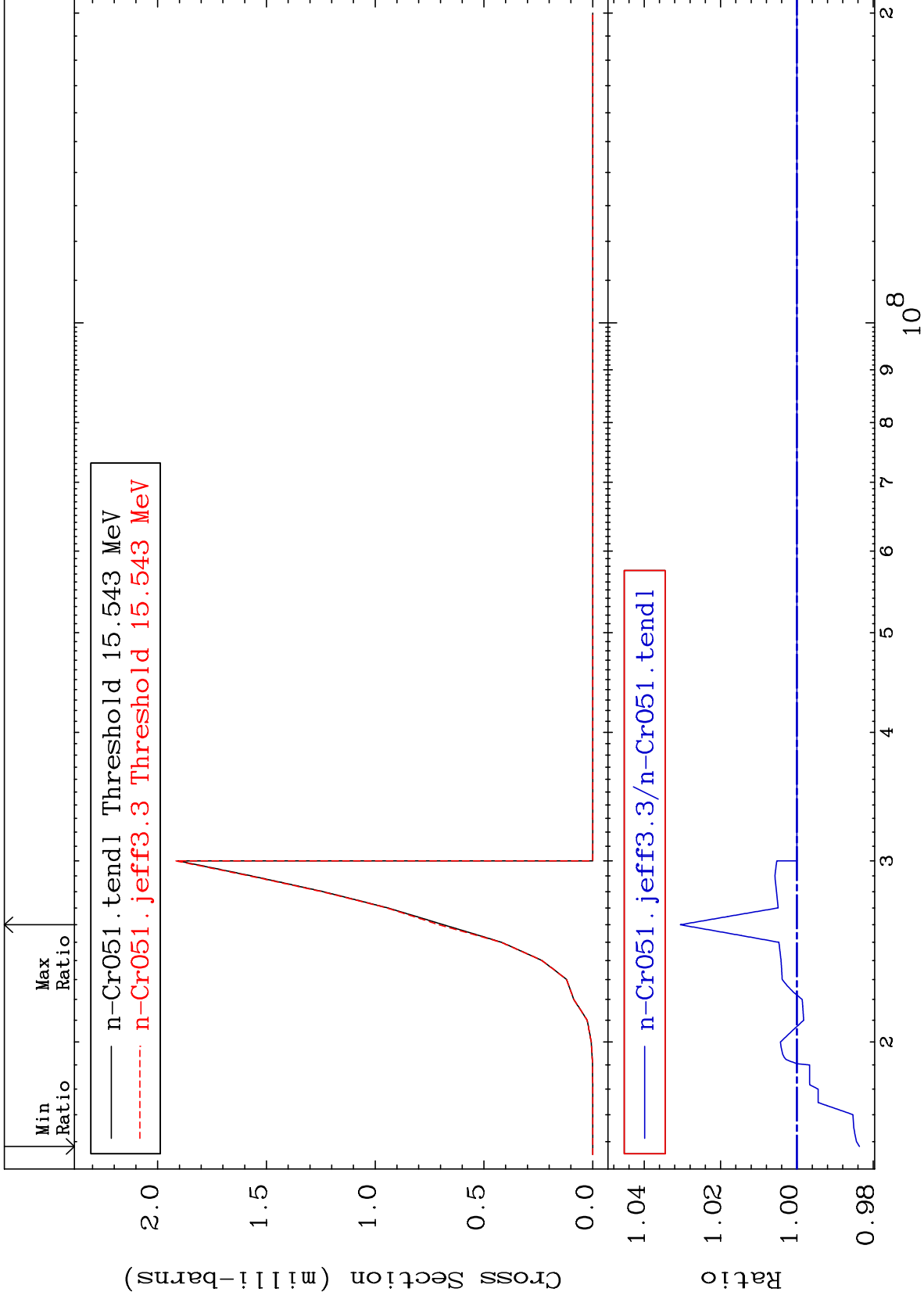
Incident Energy (eV)

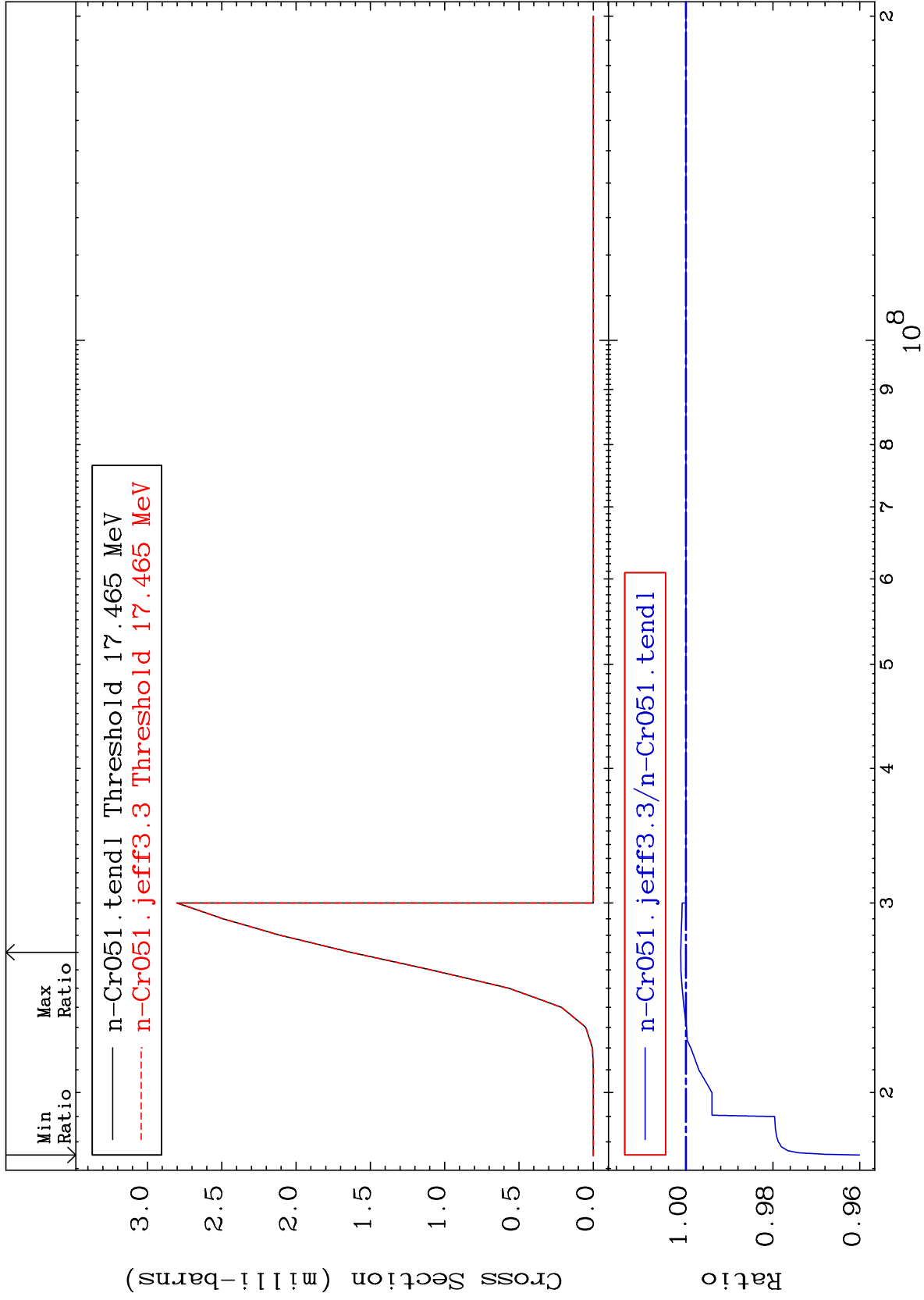
<sup>24</sup>Cr-51

Cross Section

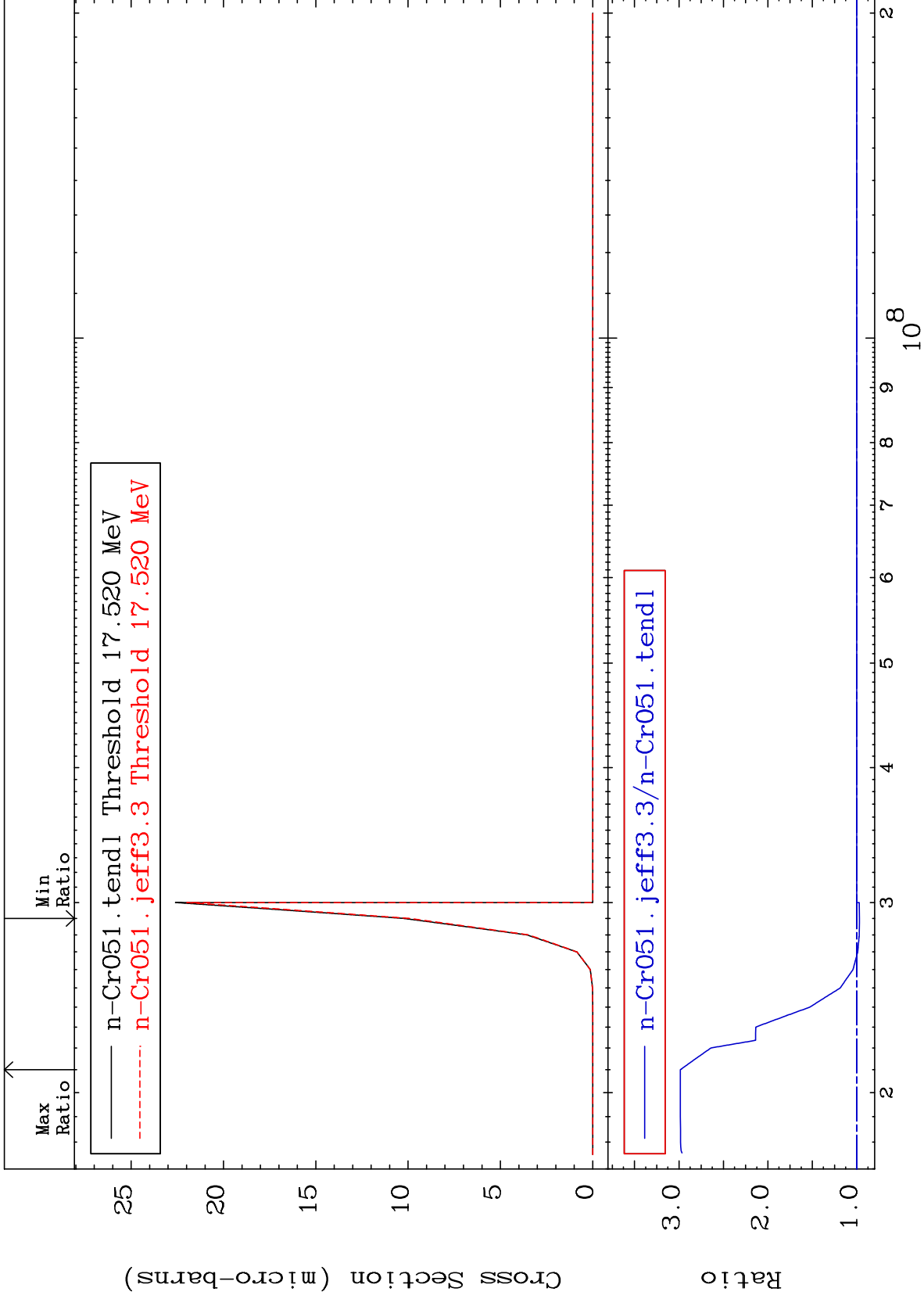
-2.889 To 200.9 %

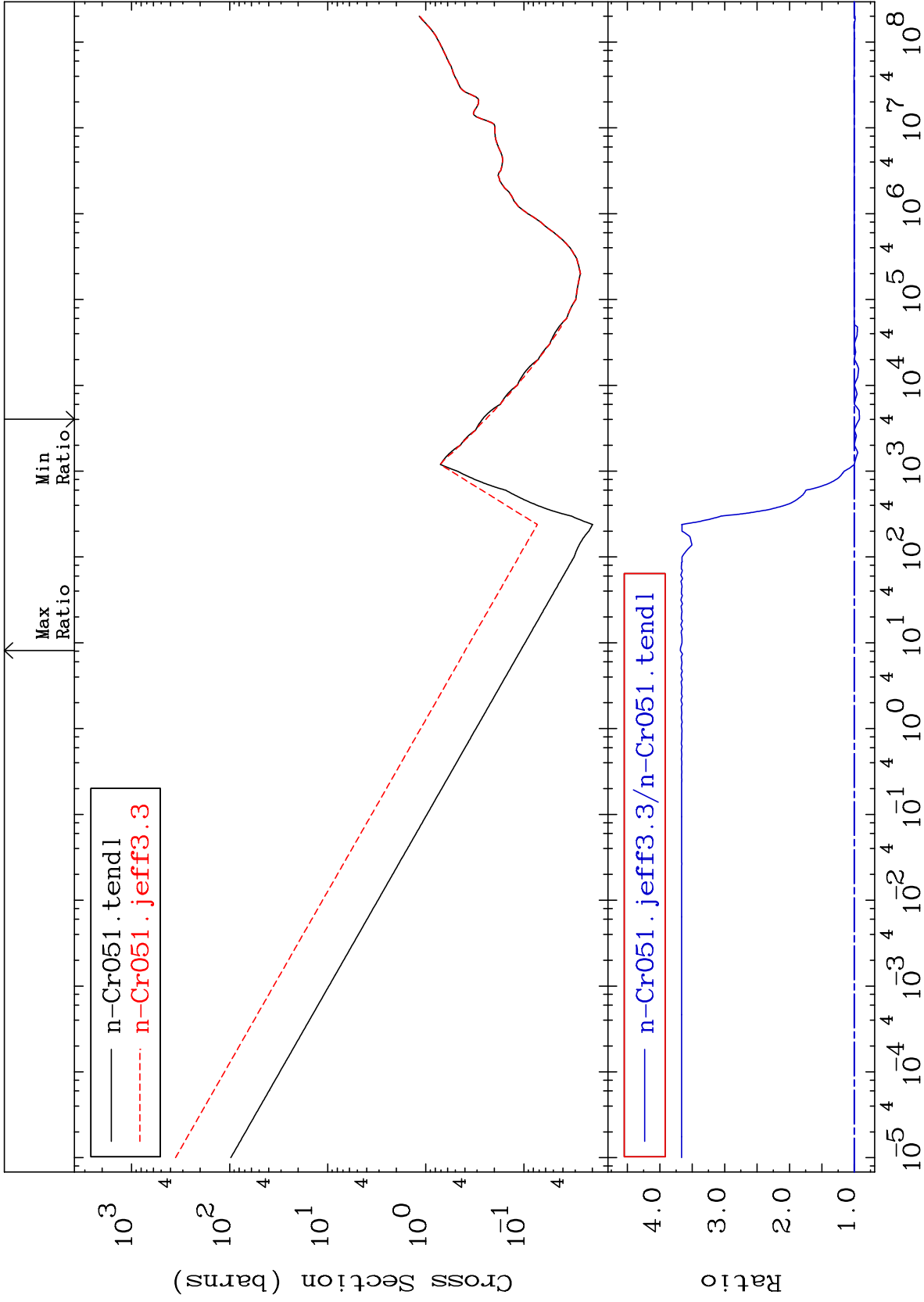








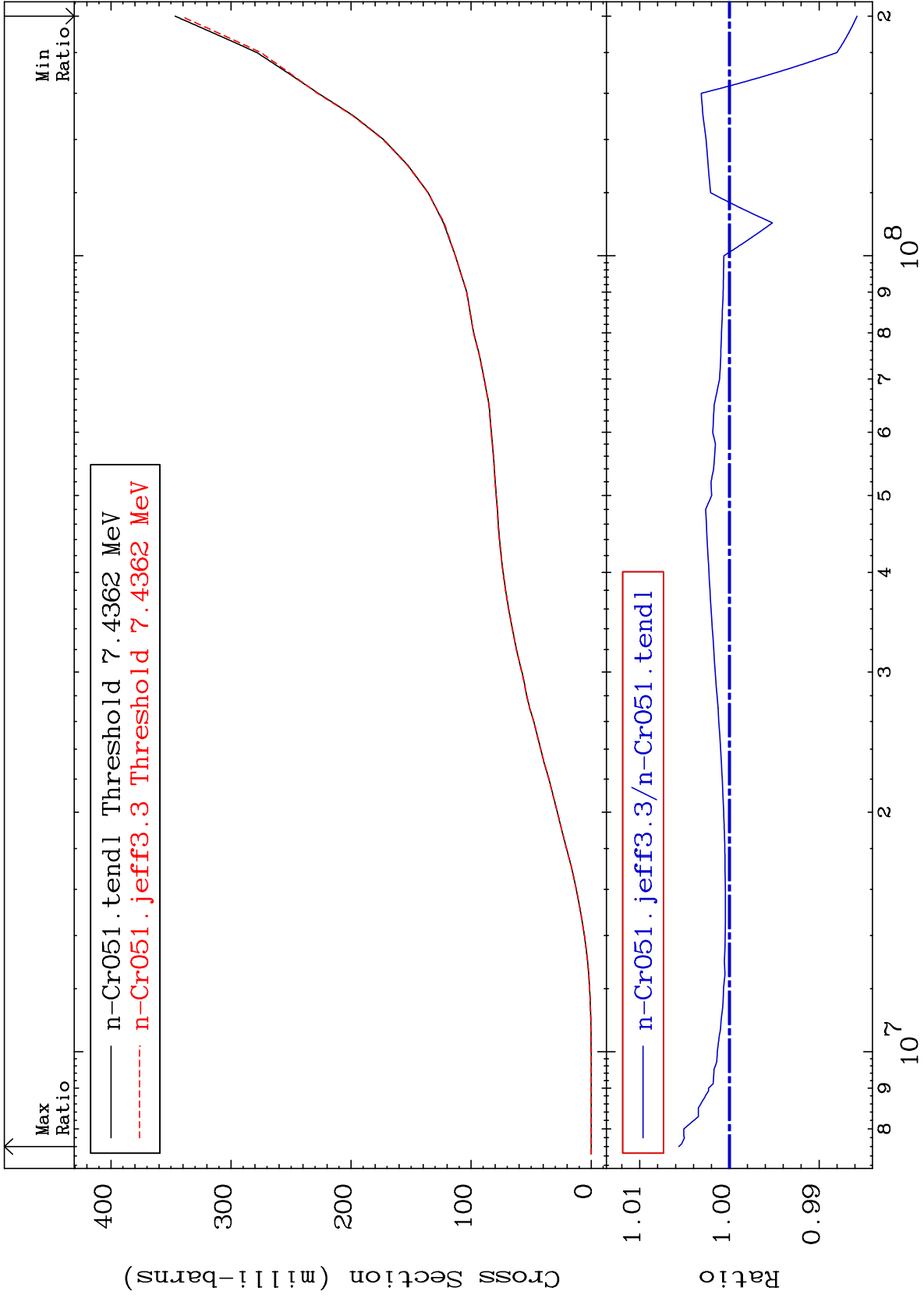




MAT 2428

Deuterium Production  
Cross Section

24-Cr-51  
-1.422 To 0.564 %



59

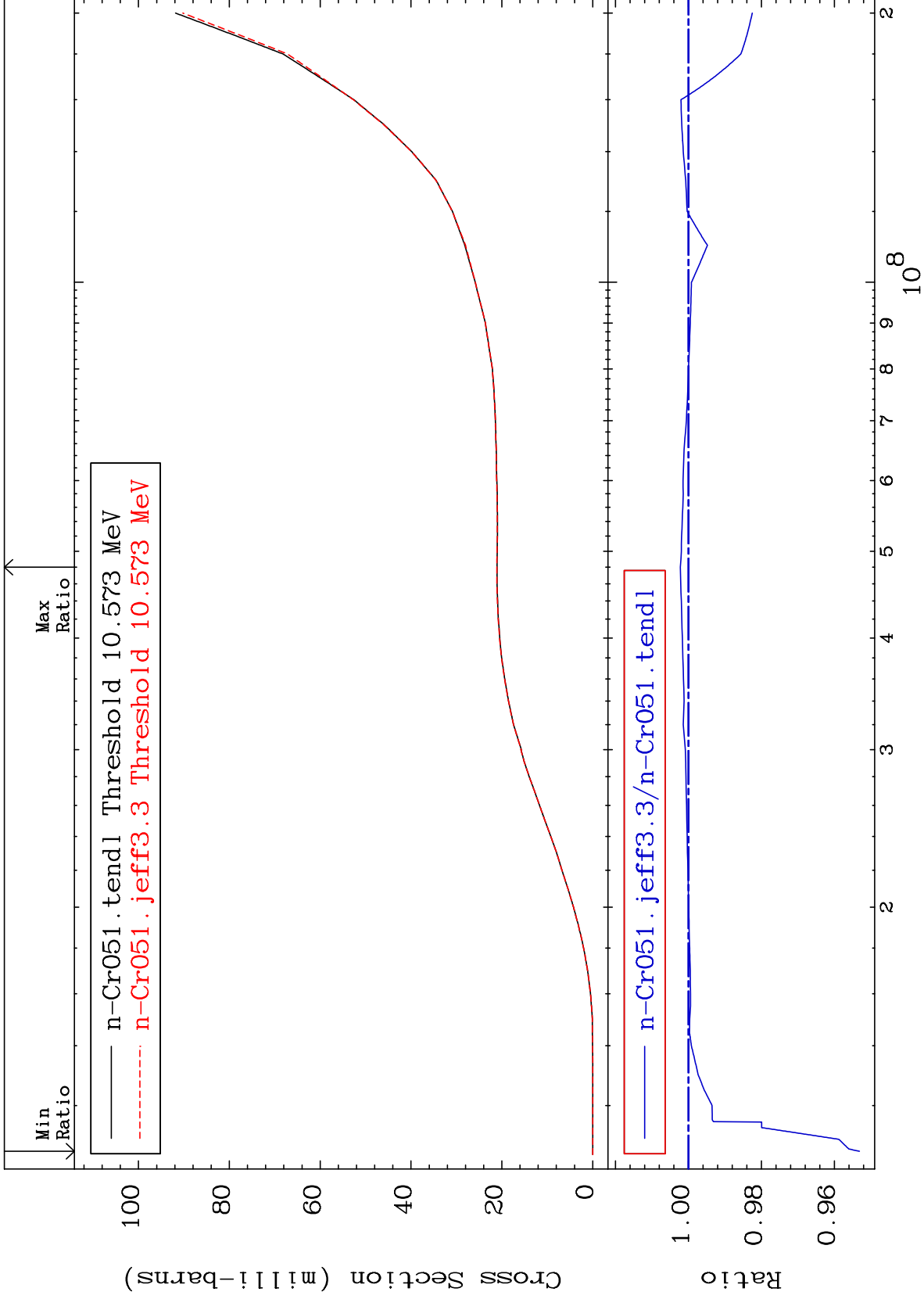
Incident Energy (eV)

24-Cr-51

MAT 2428

Tritium Production  
Cross Section

<sup>24</sup>Cr-51  
-4.686 To 0.223 %



60

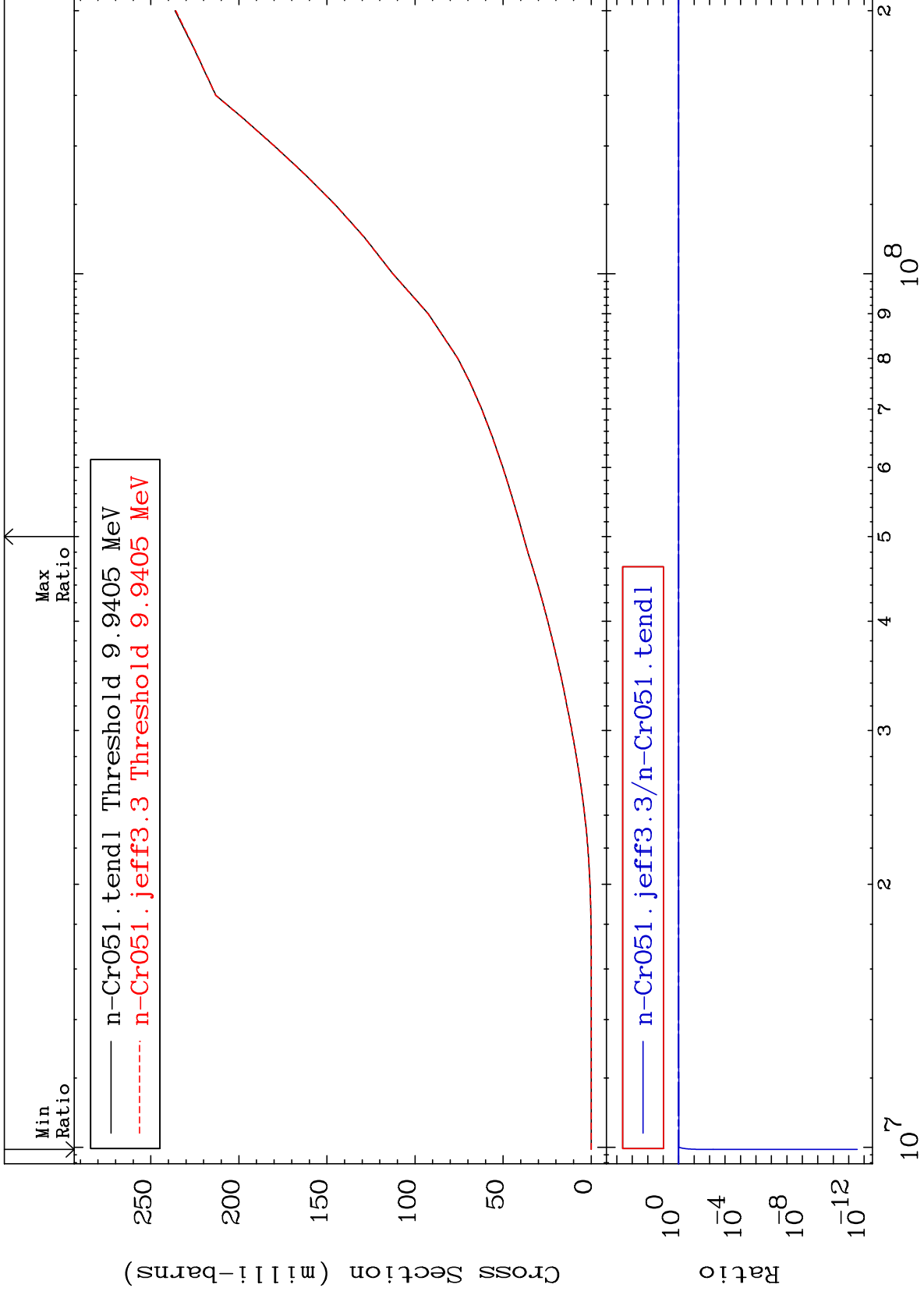
Incident Energy (eV)

<sup>24</sup>Cr-51

MAT 2428

He-3 Production  
Cross Section

24-Cr-51  
-100.0 To 0.207 %



61

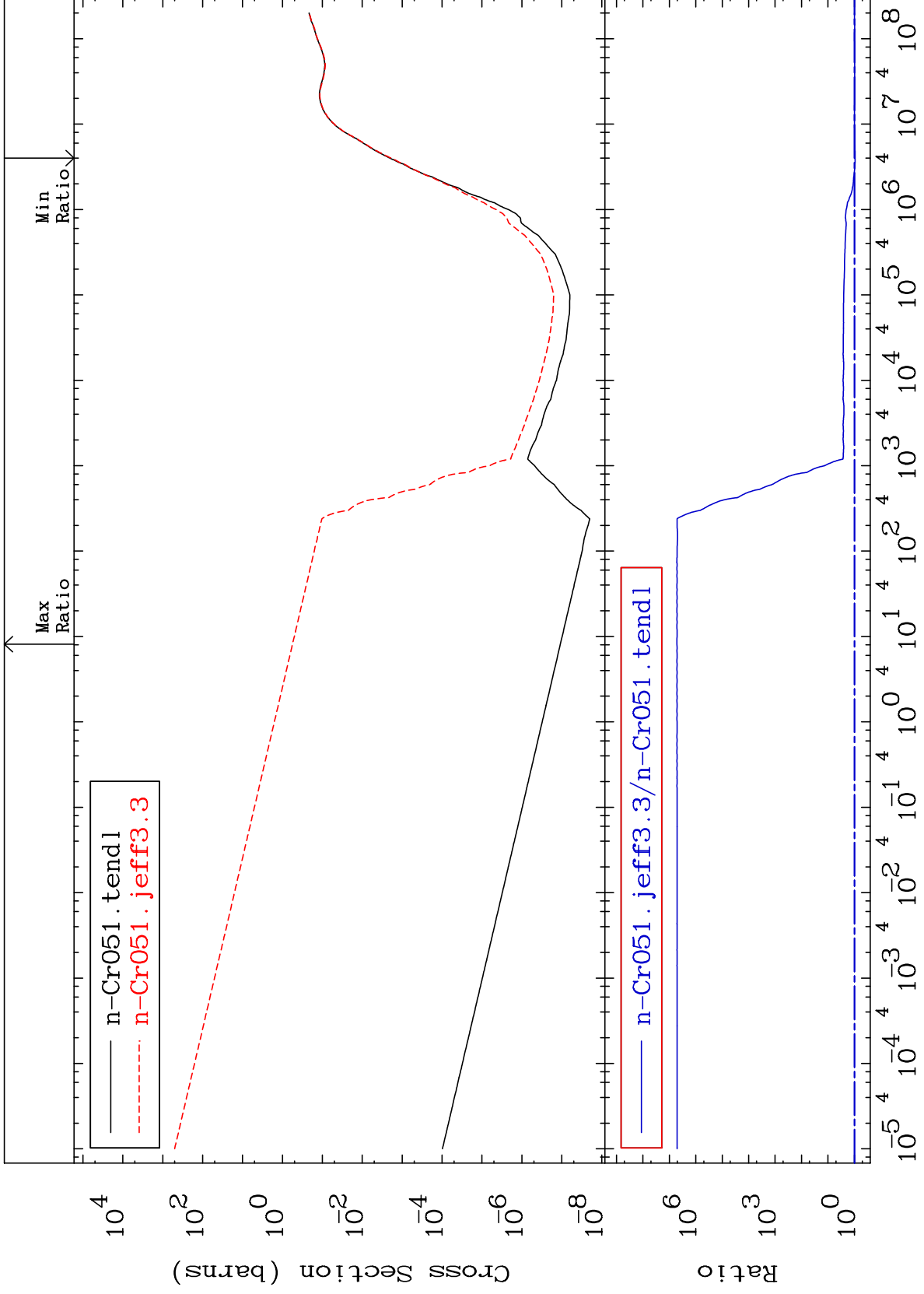
Incident Energy (eV)

24-Cr-51

MAT 2428

He-4 Production  
Cross Section

24-Cr-51  
-5.791 To 9999. %



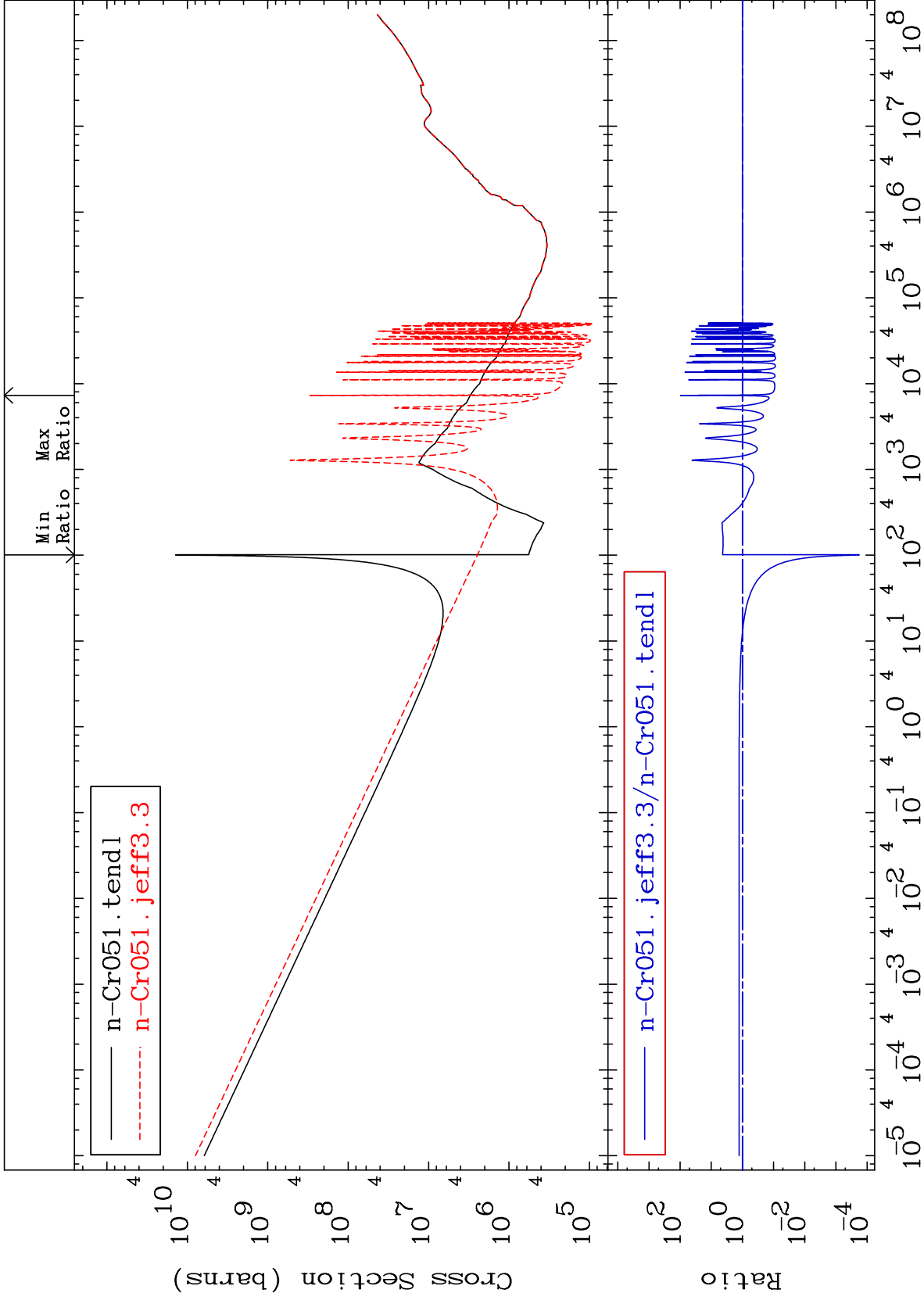
62

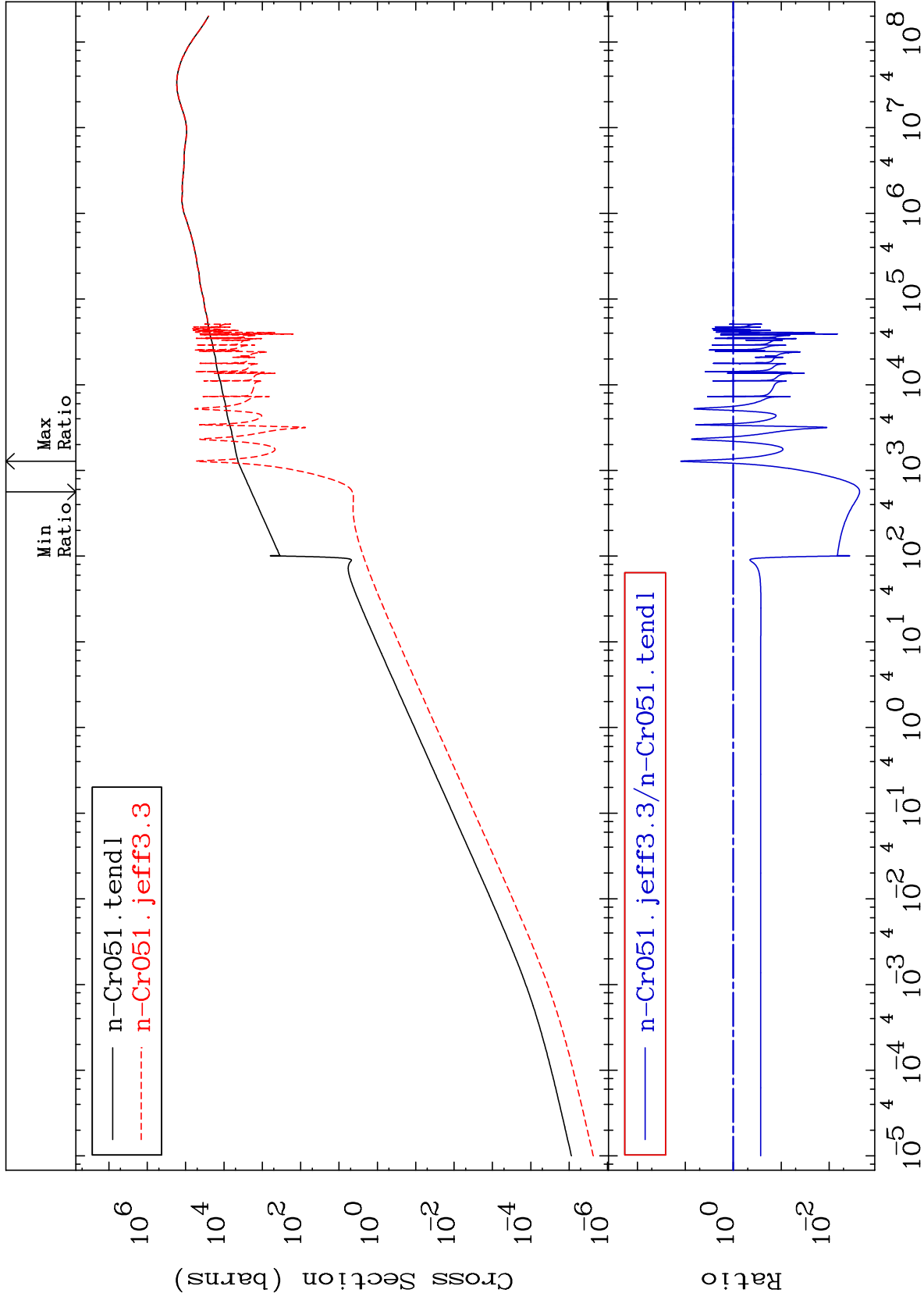
Incident Energy (eV)

24-Cr-51

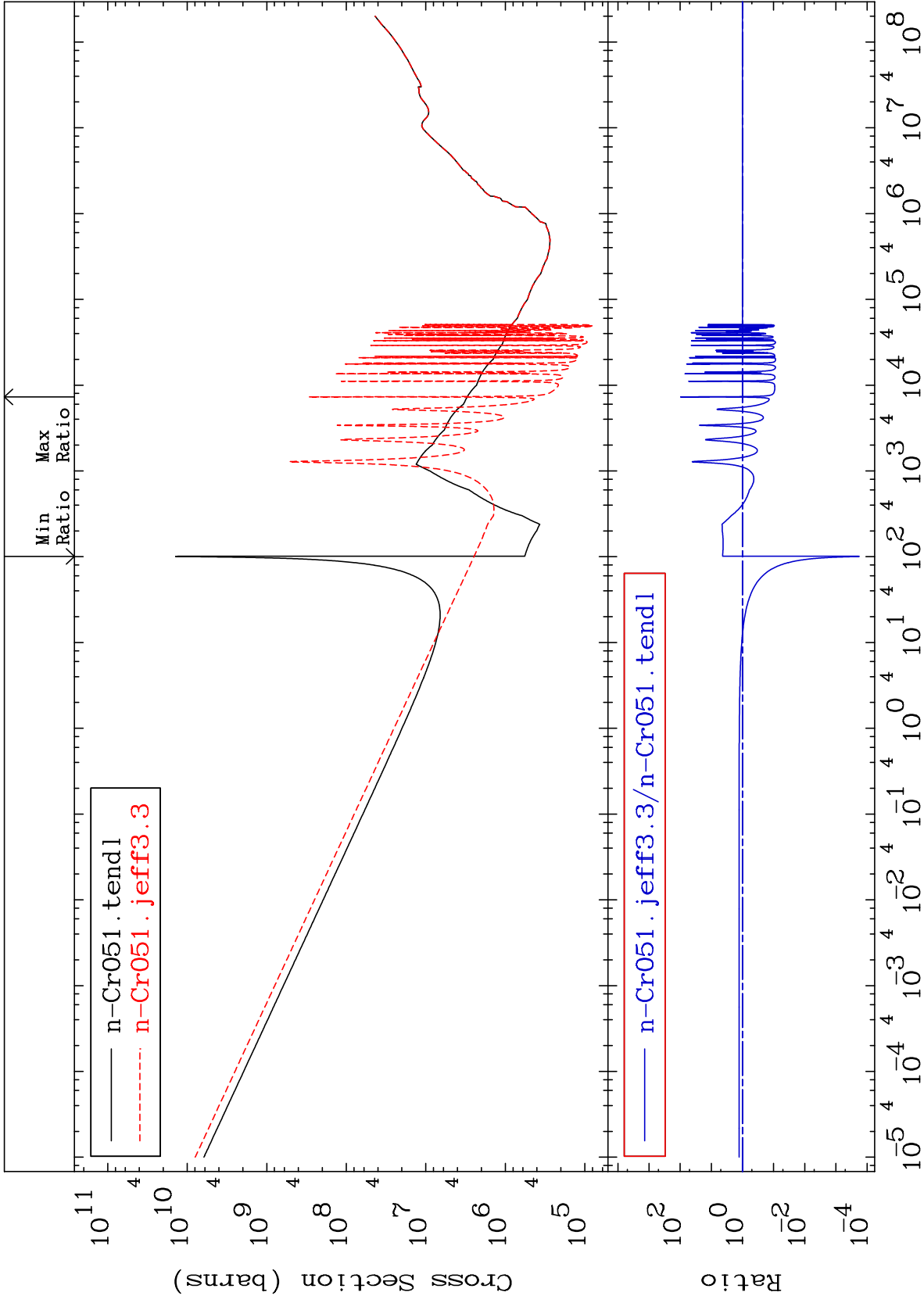
Cross Section

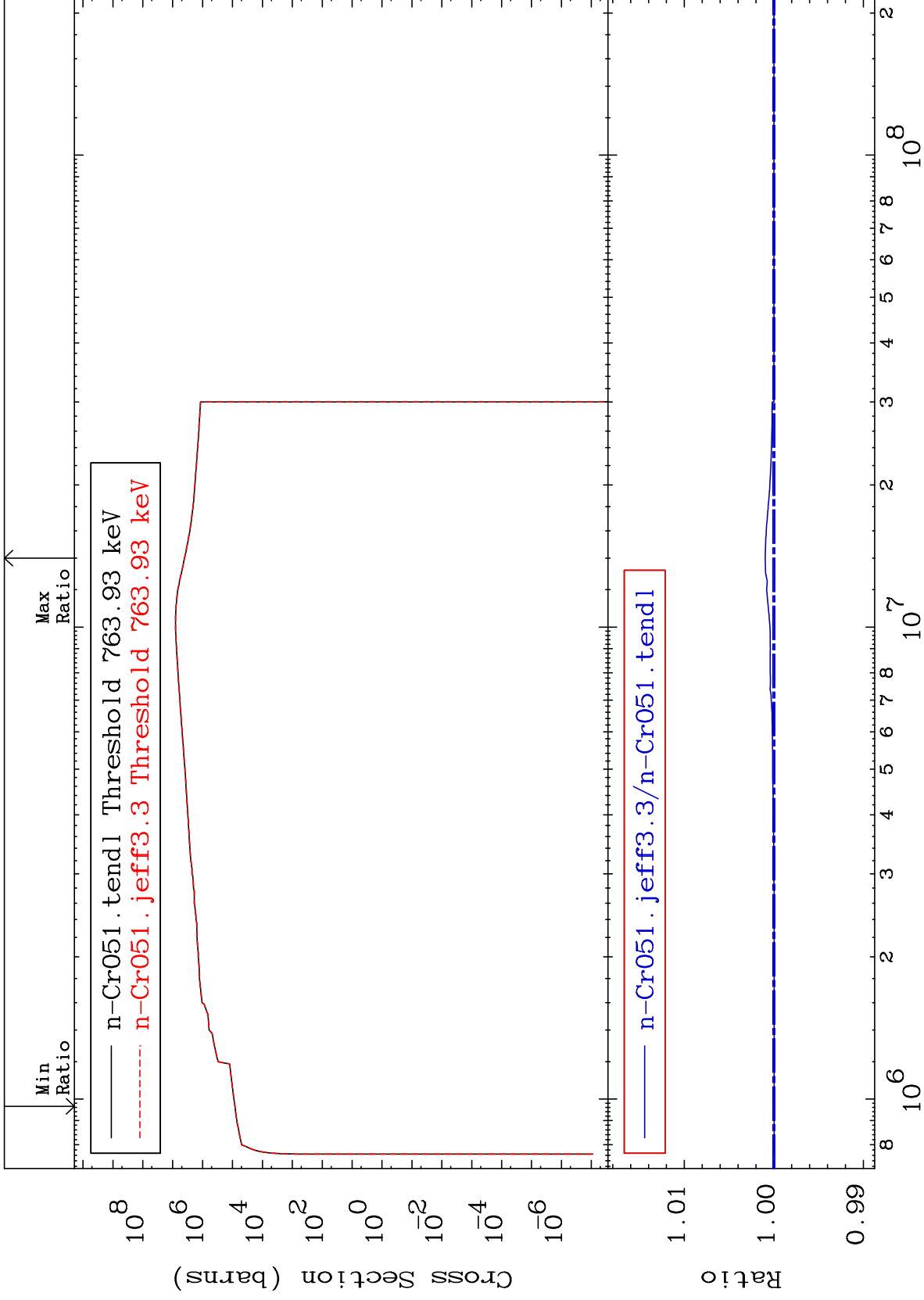
-99.98 To 9724. %

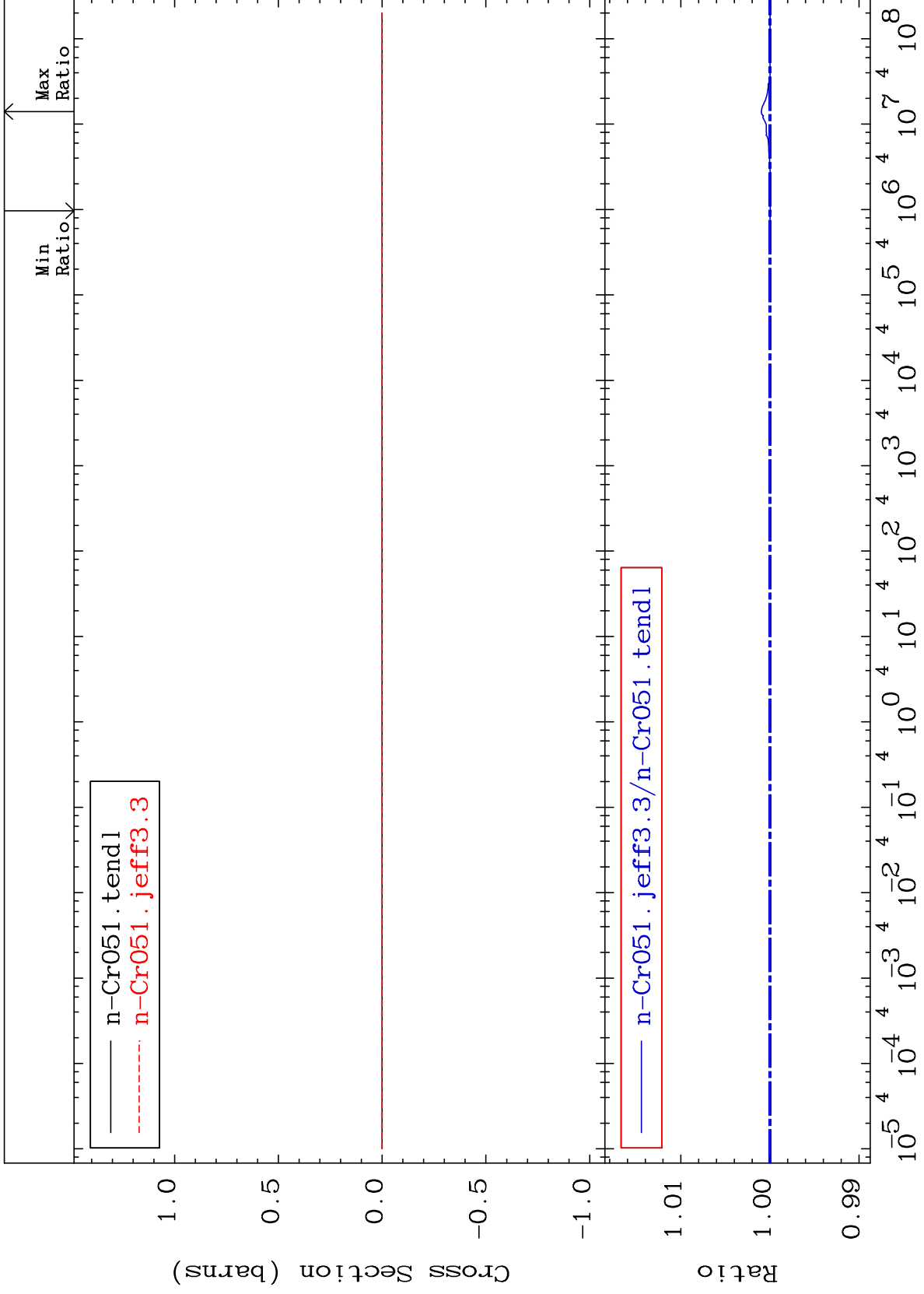


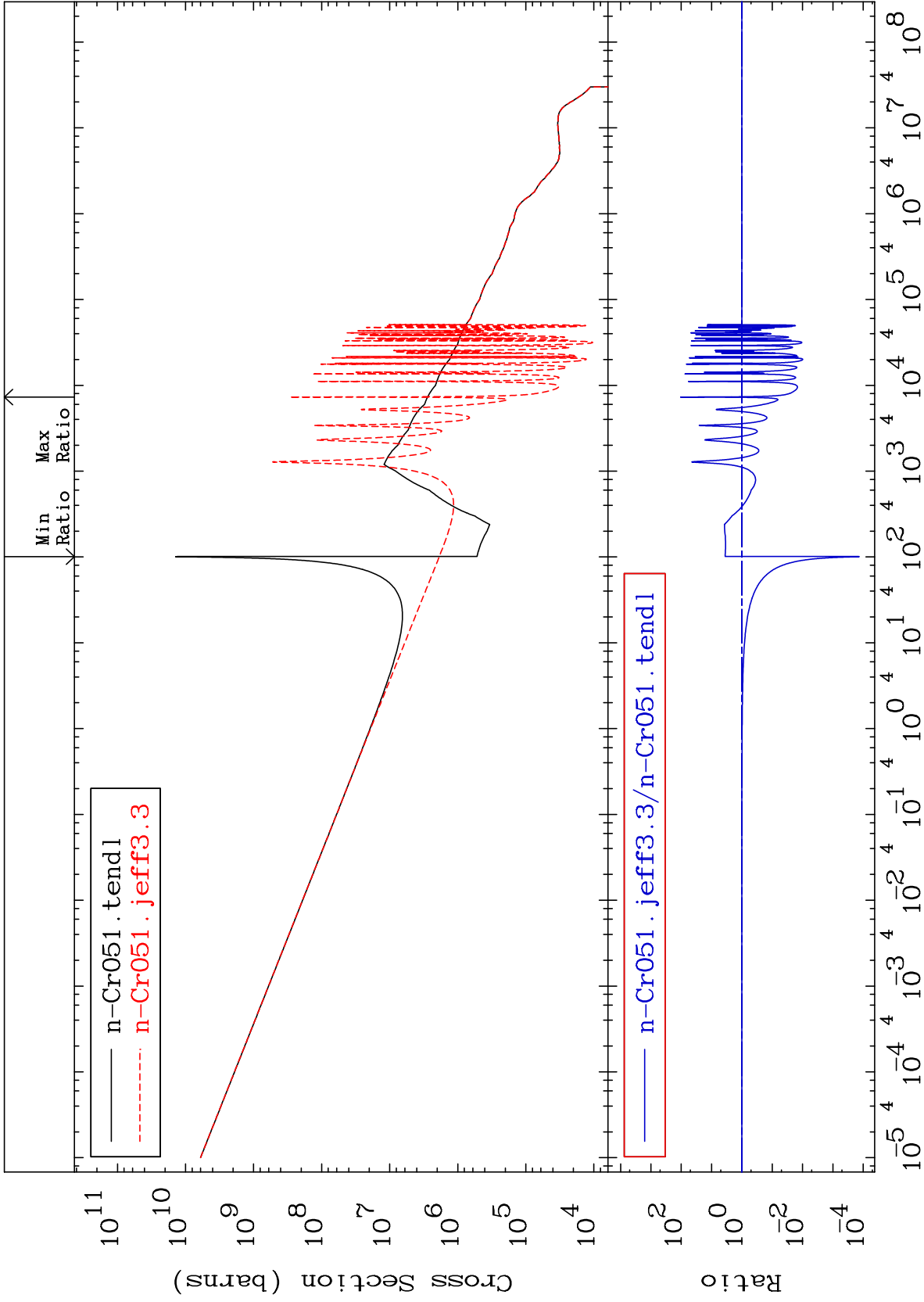


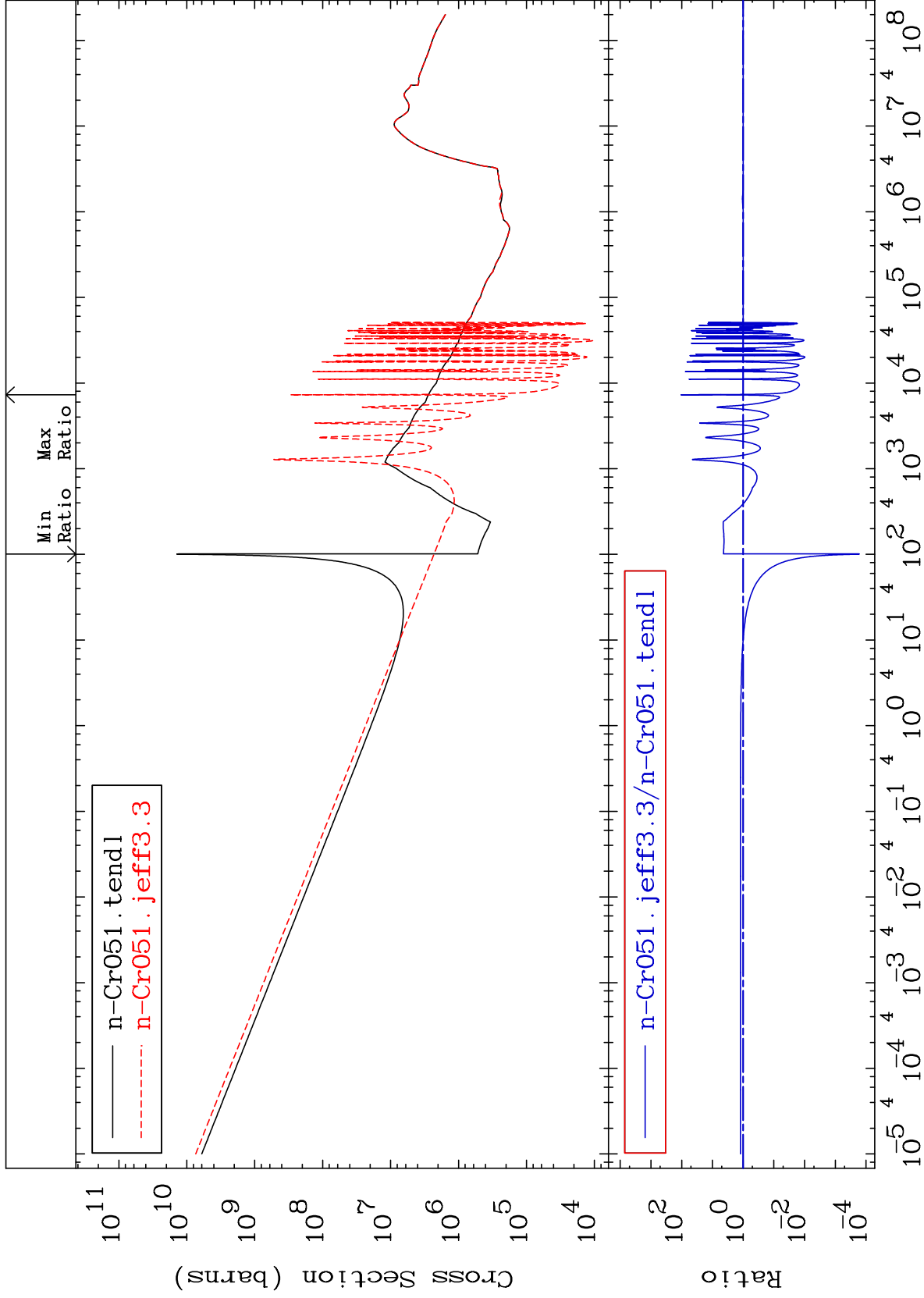


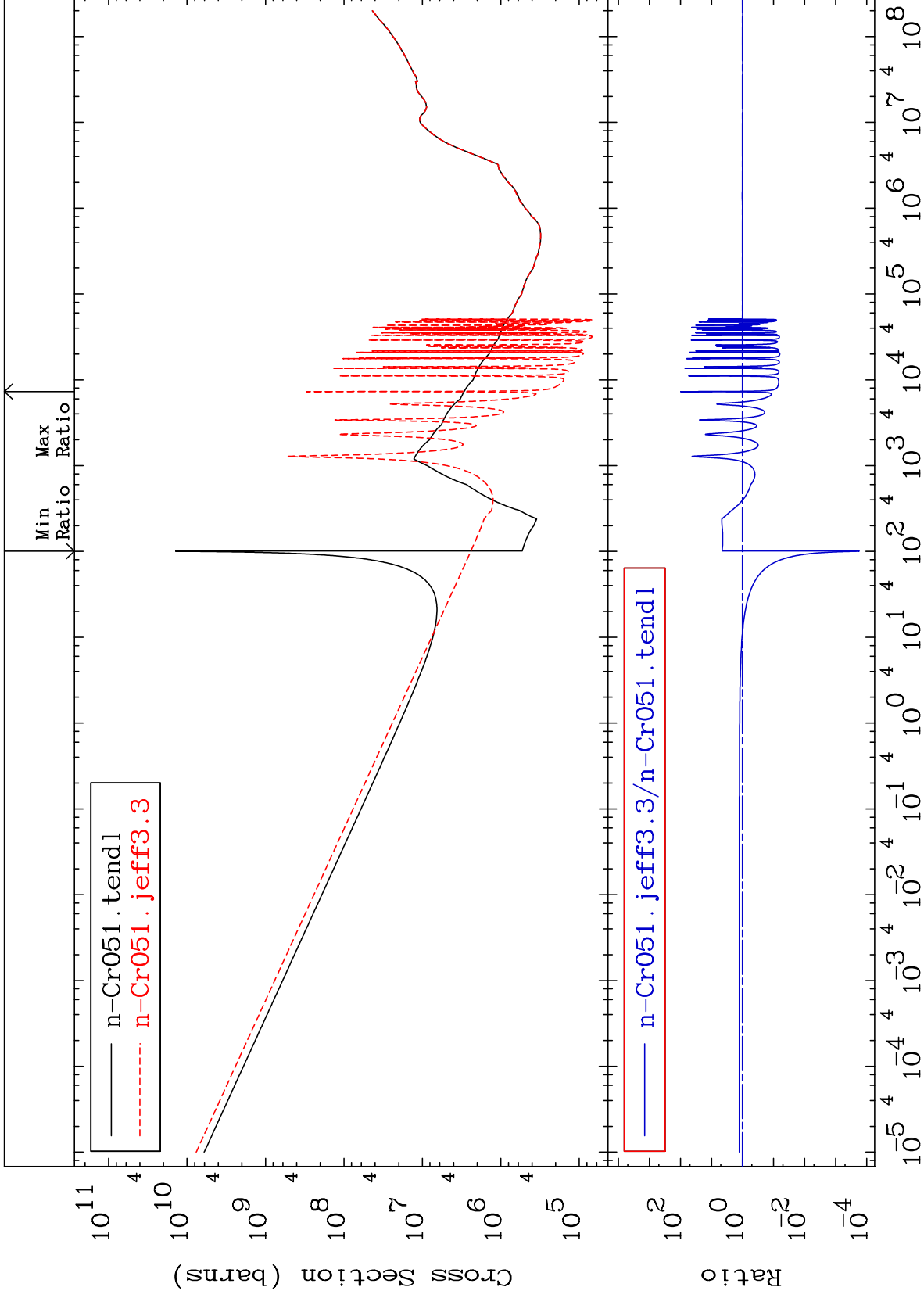


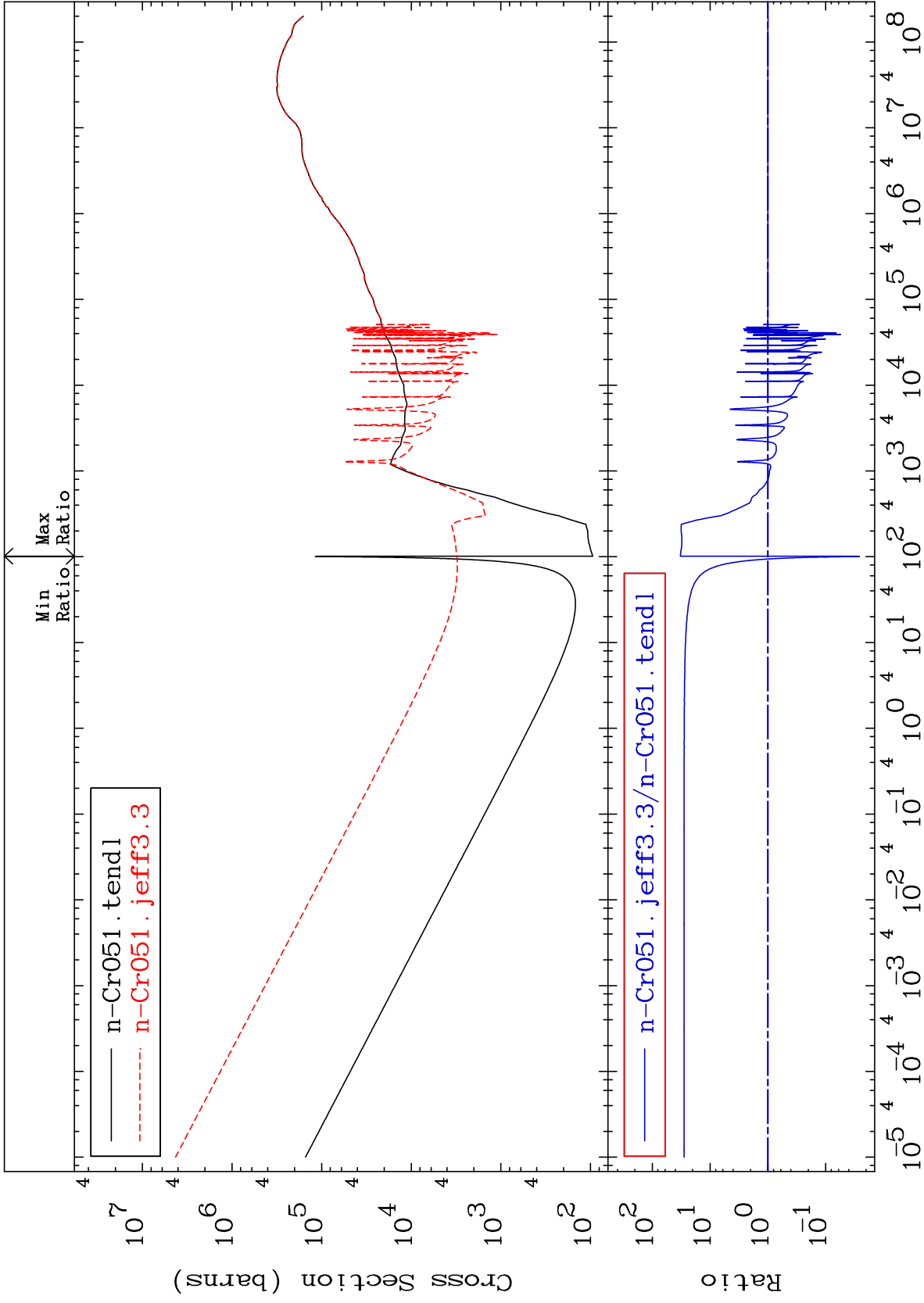


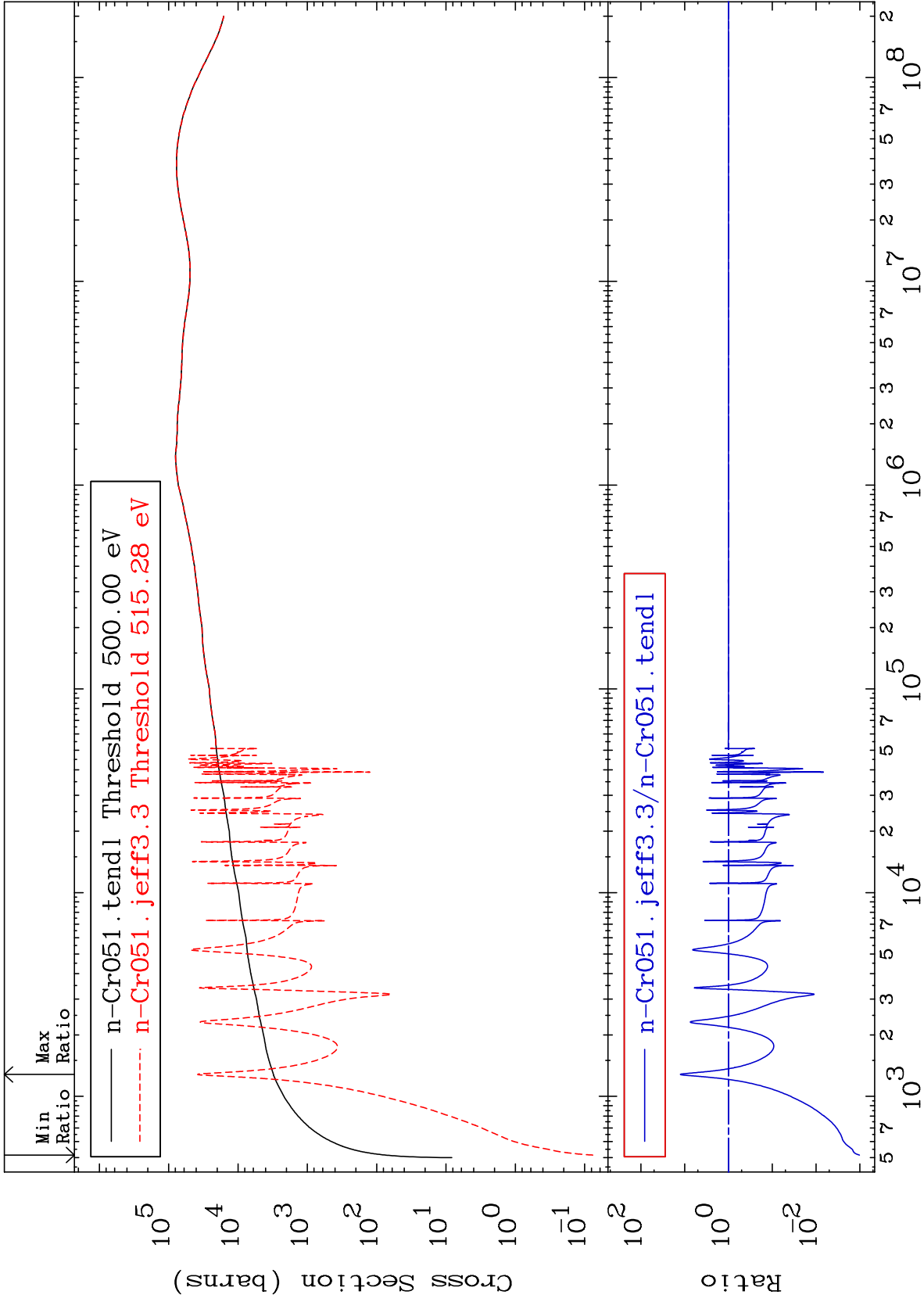










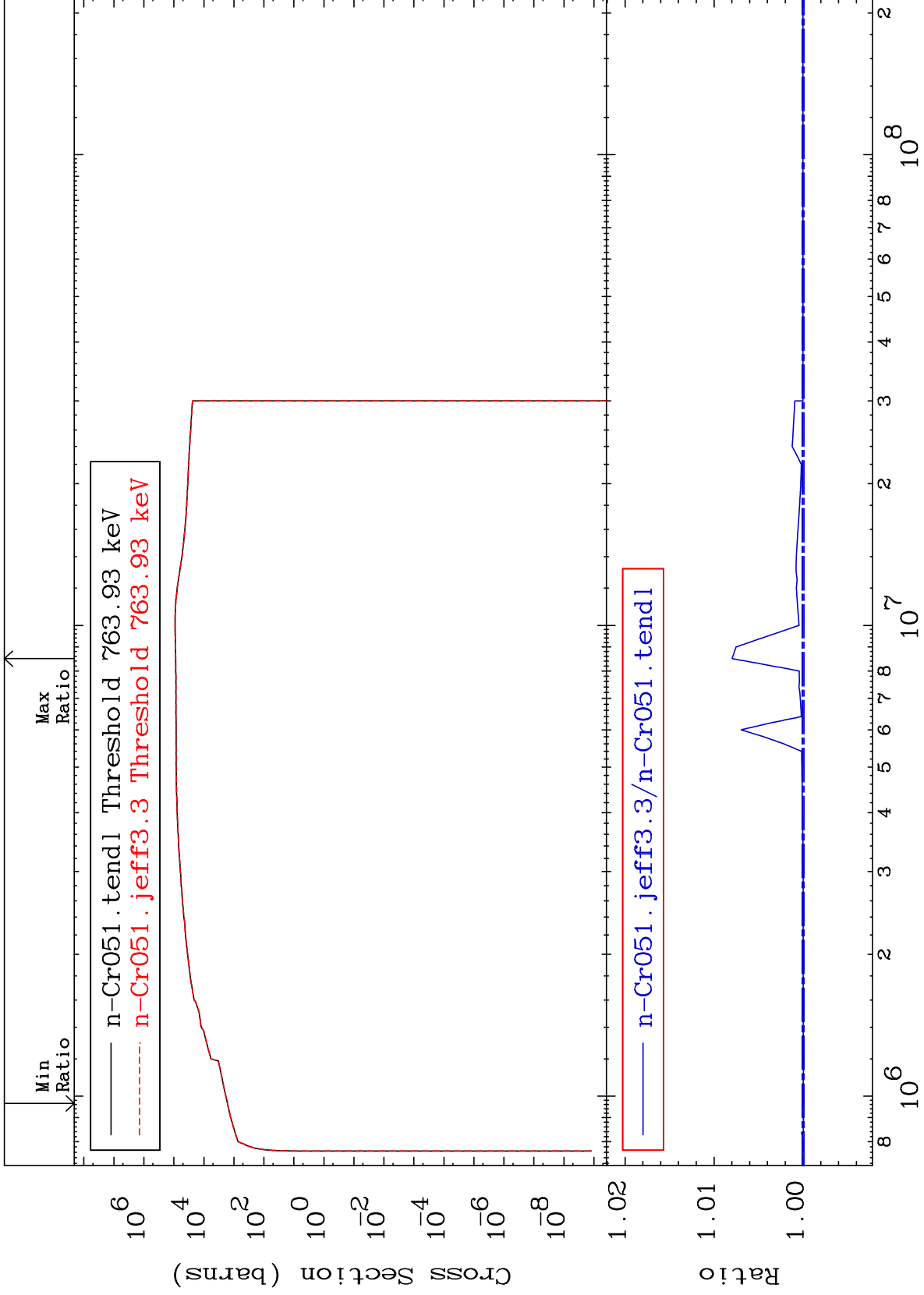




MAT 2428

Dpa inelastic (mt51-91)  
Cross Section

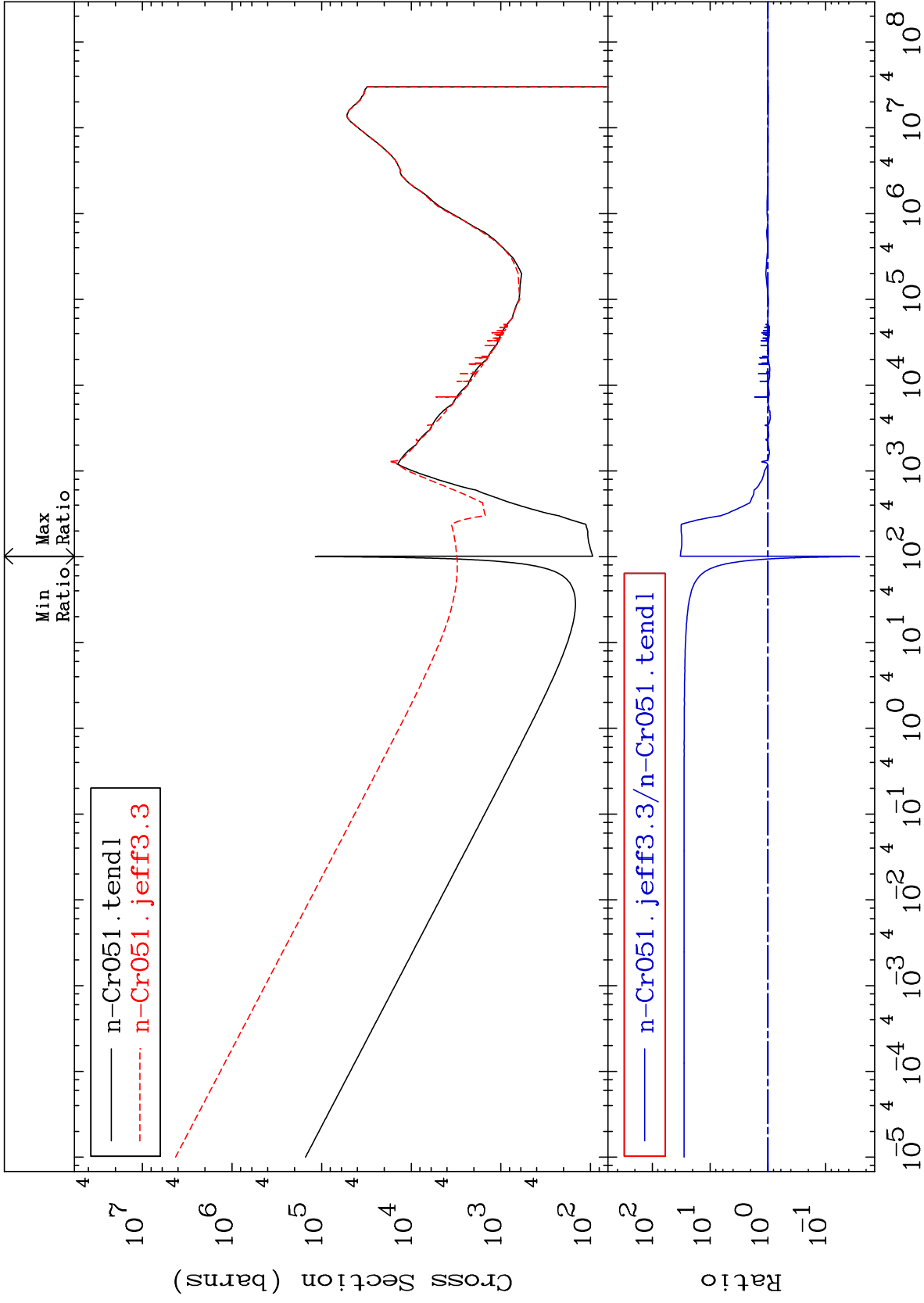
24-Cr-51  
-0.009 To 0.798 %

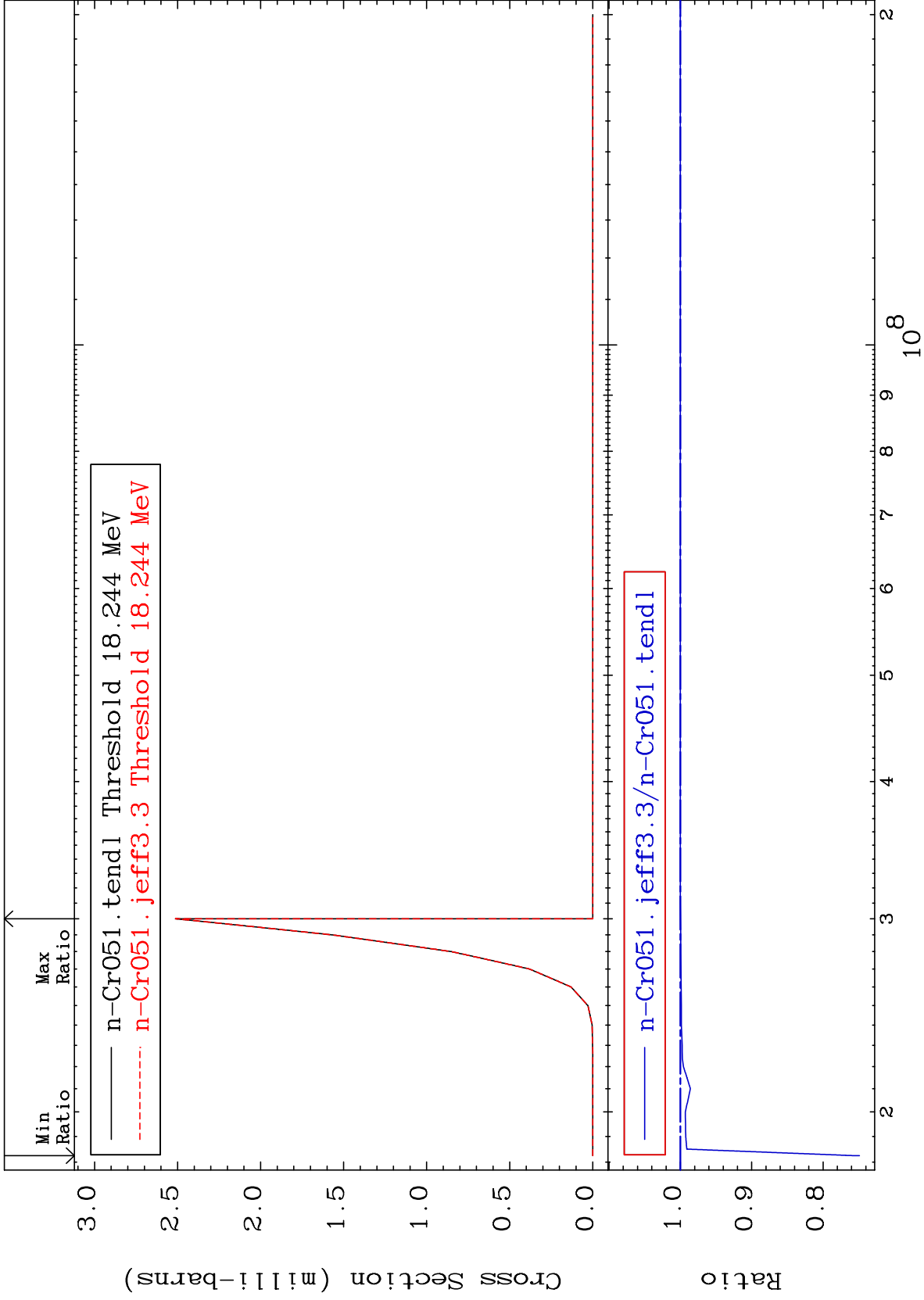


73

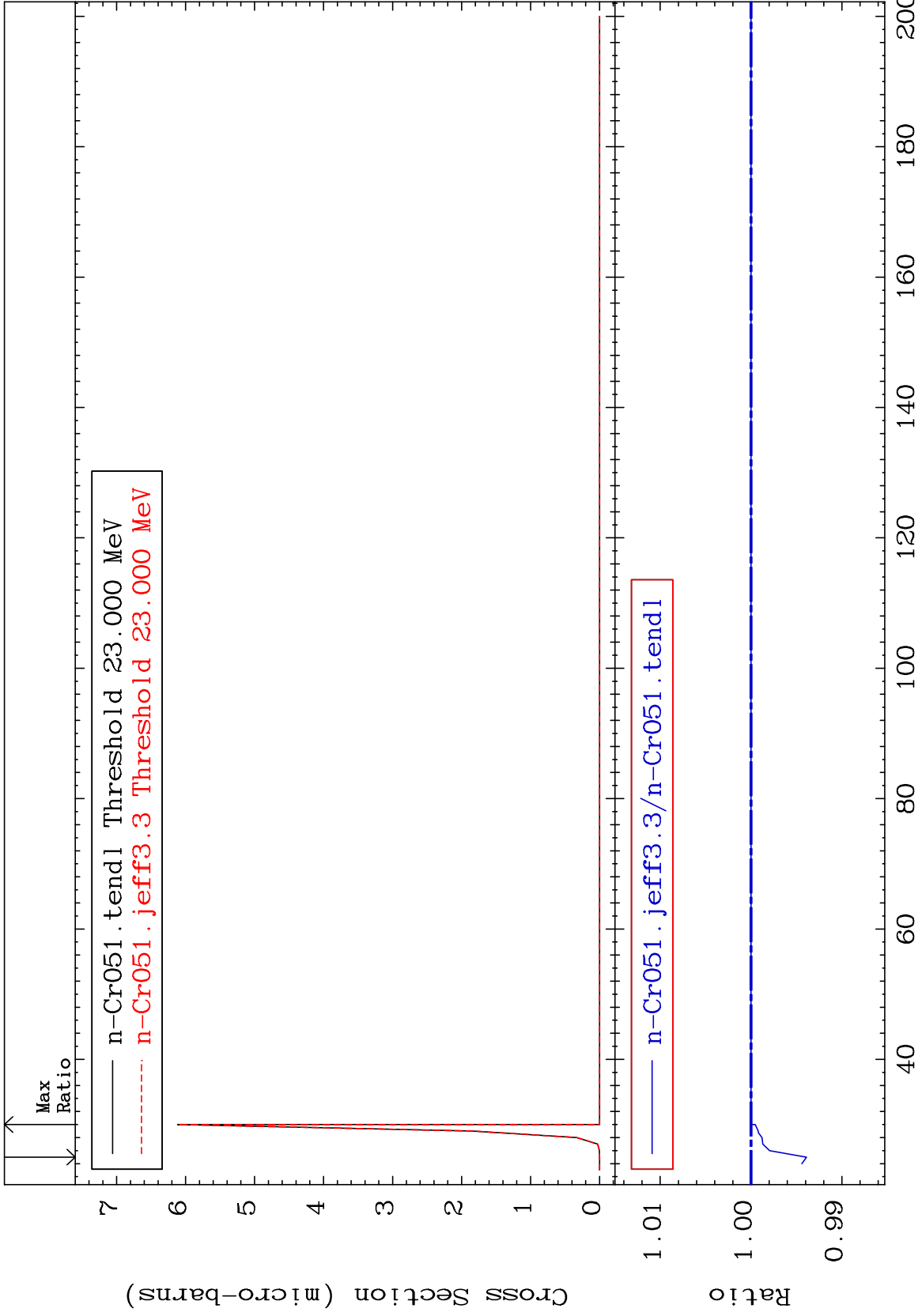
Incident Energy (eV)

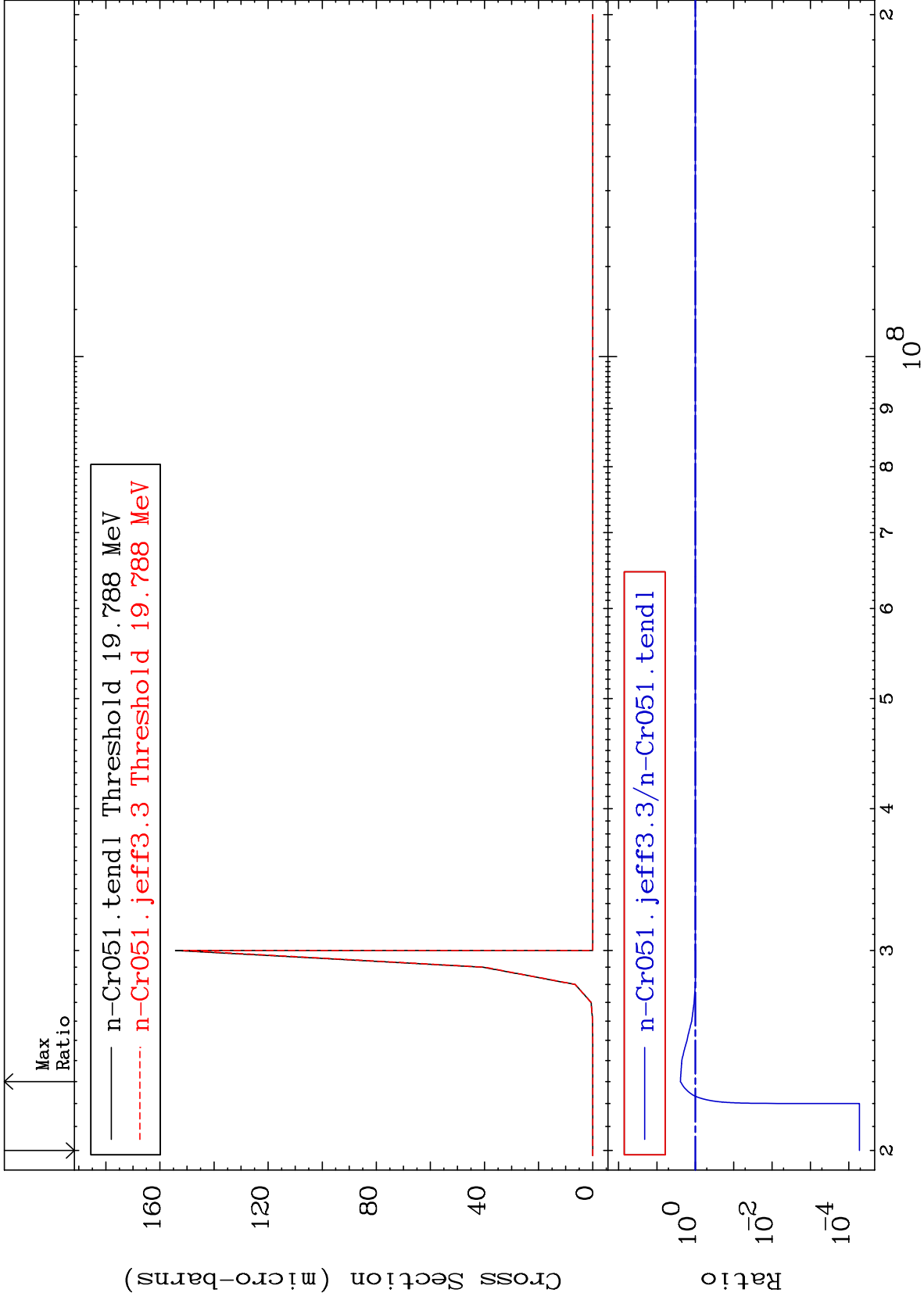
24-Cr-51



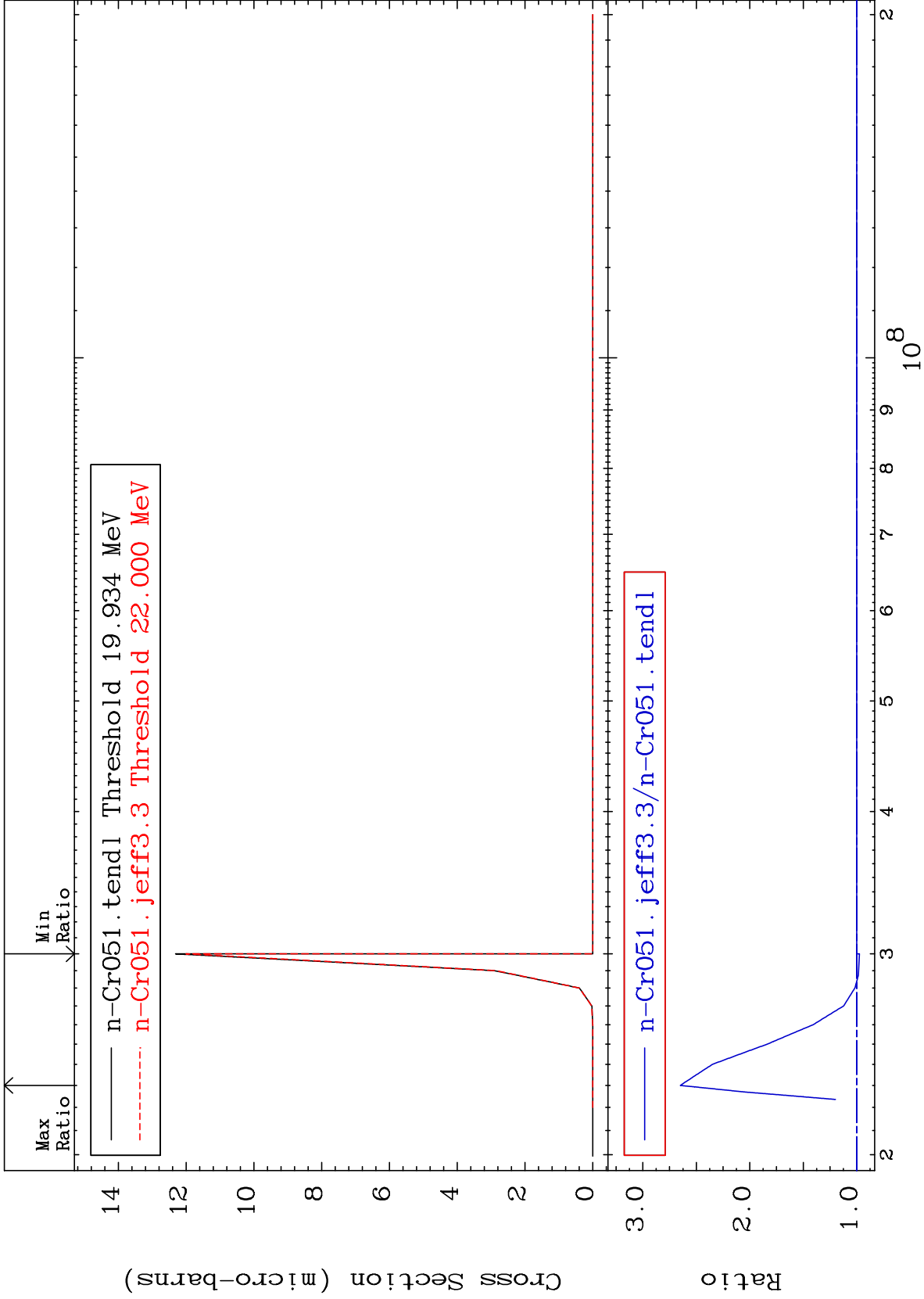


Radionuclide Production Cross Section -0.610 To 0.000 %

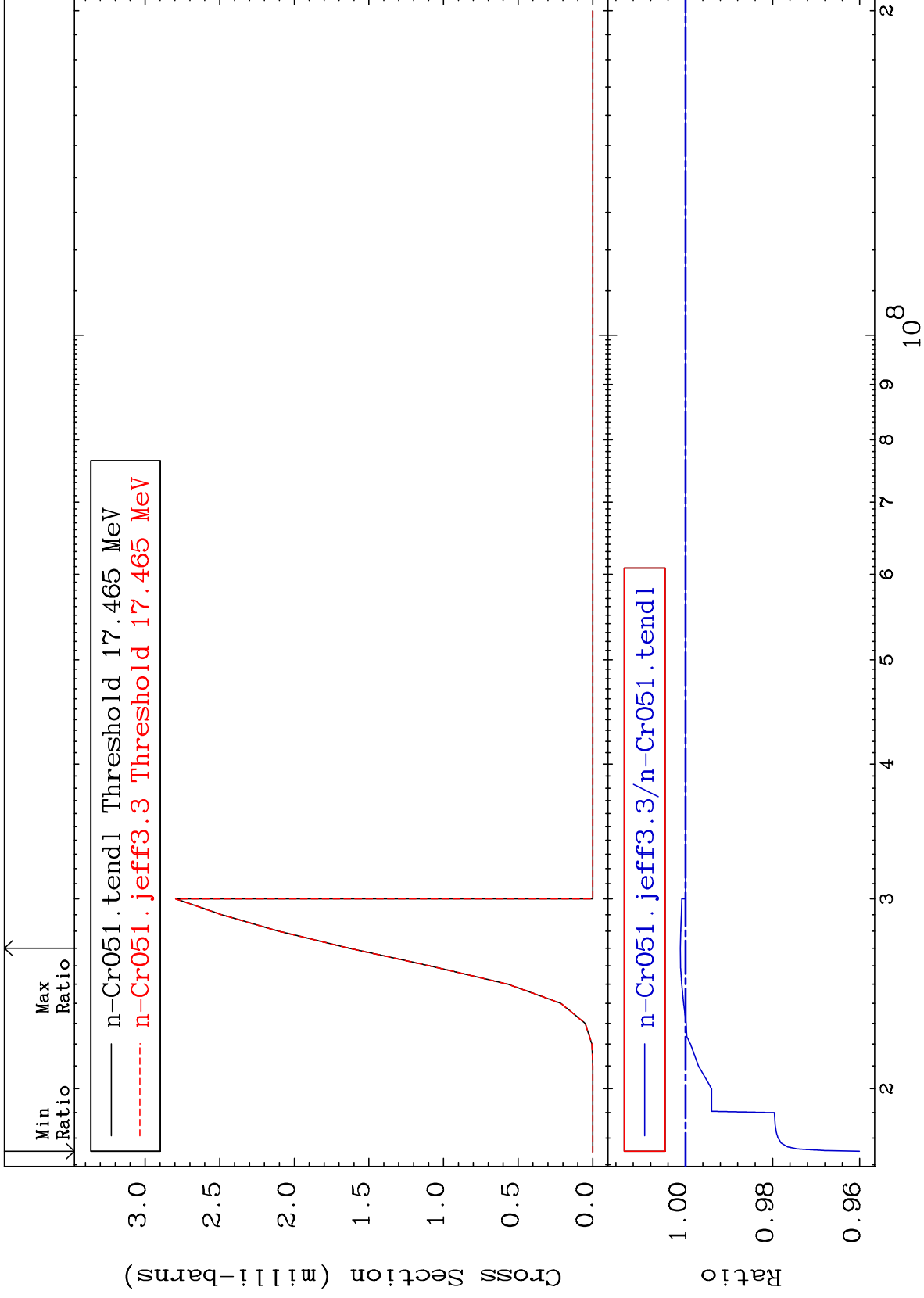




Radionuclide Production Cross Section -2.490 To 164.9 %



Radionuclide Production Cross Section -3.995 To 0.118 %

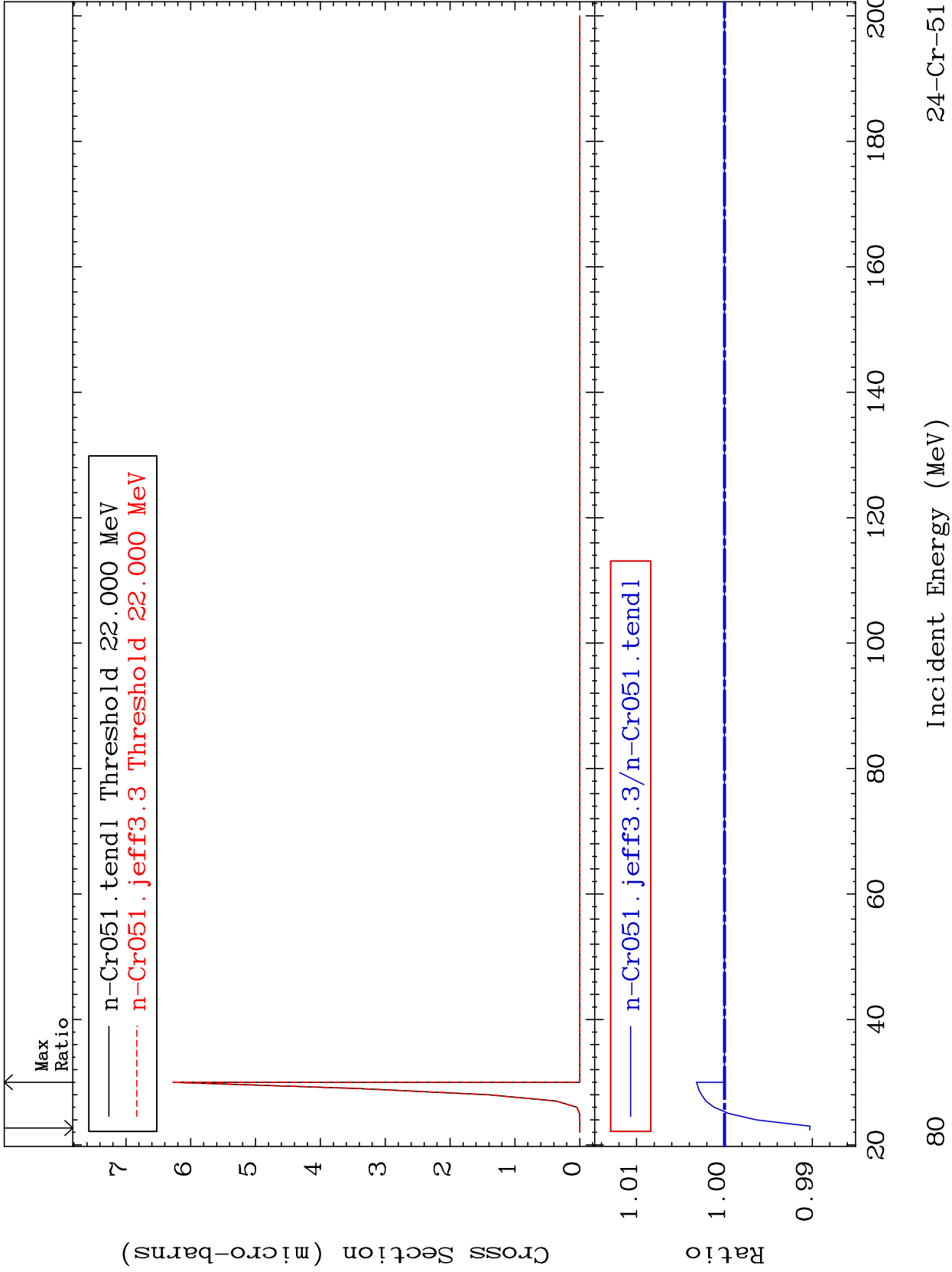


MAT 2428

(n, p) t:22-Ti-48m14

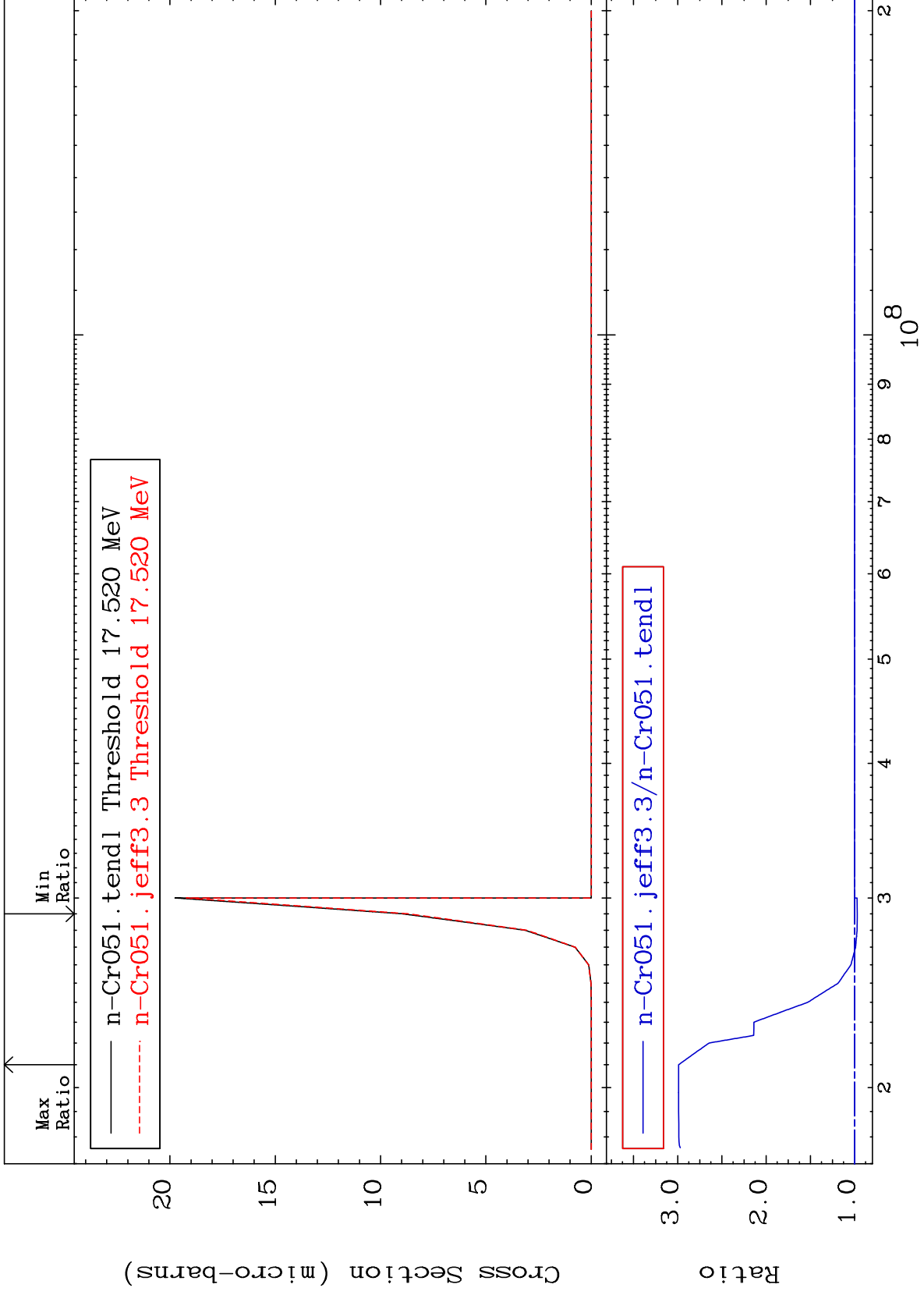
24-Cr-51

Radionuclide Production Cross Section -0.971 To 0.319 %





Radionuclide Production Cross Section -2.982 To 199.0 %



Radionuclide Production Cross Section -3.128 To 182.1 %

