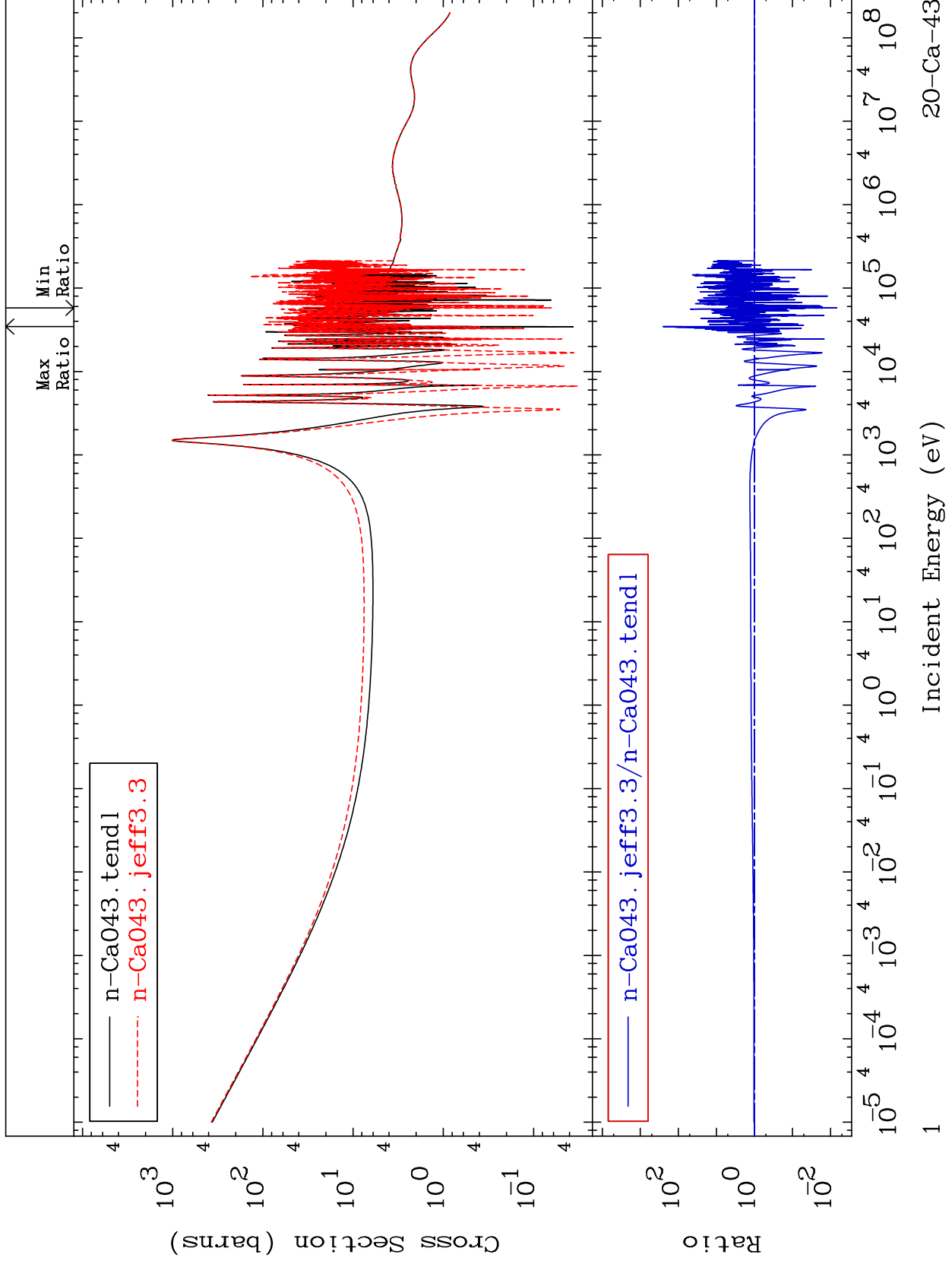


MAT 2034

Total  
Cross Section

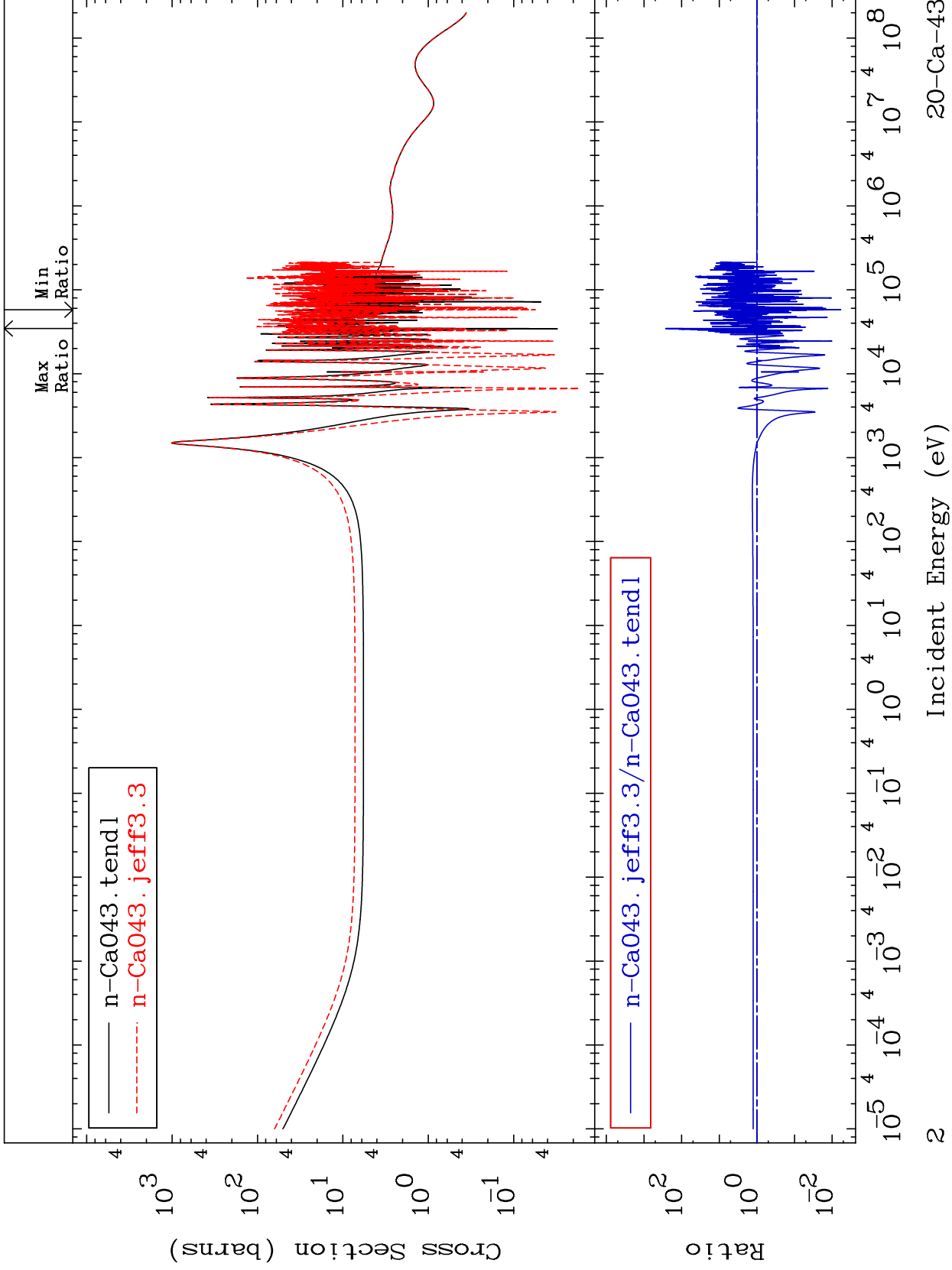
20-Ca-43  
-99.32 To 9999. %



MAT 2034

Elastic  
Cross Section

20-Ca-43  
-99.41 To 9999. %

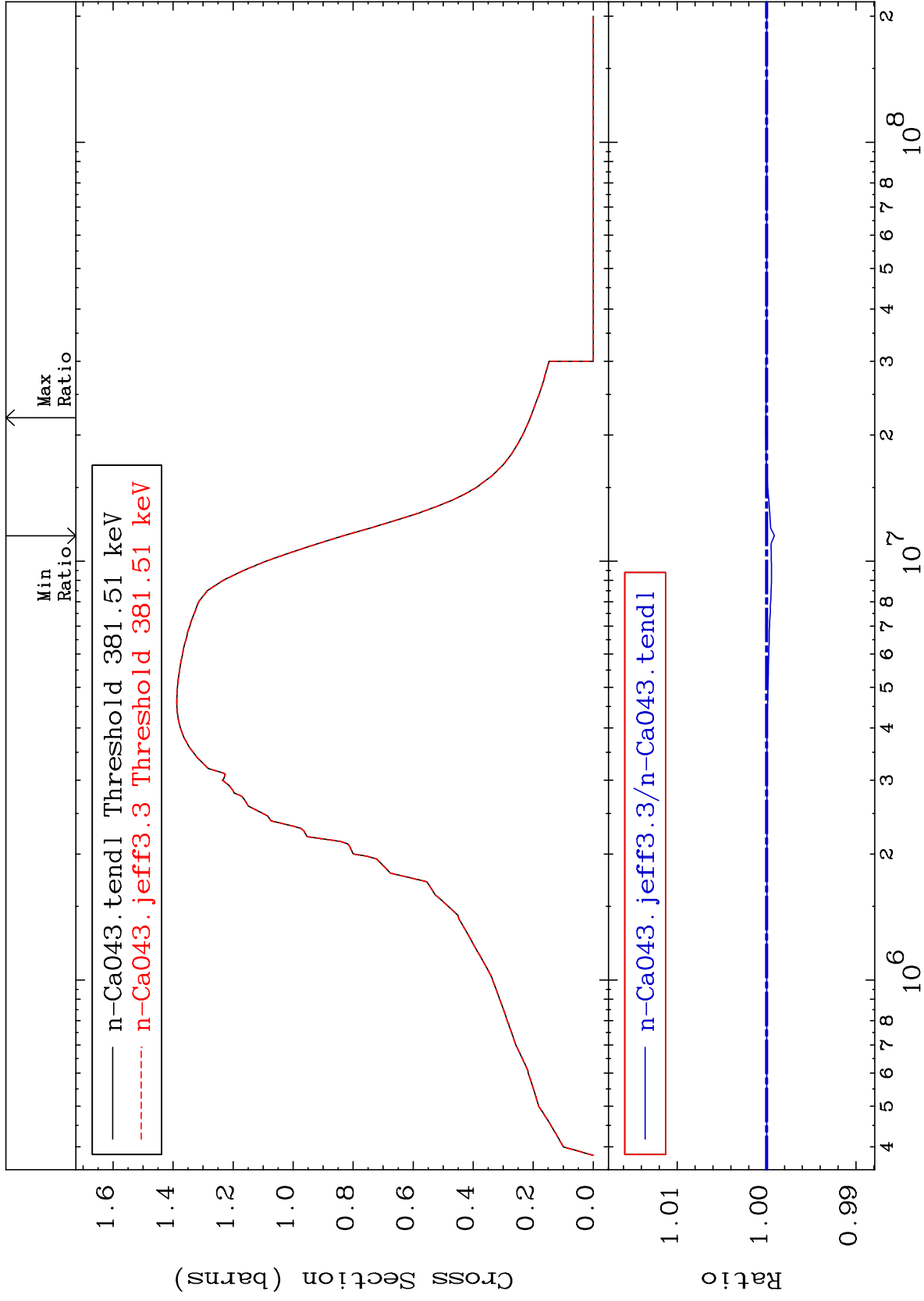


MAT 2034

20-Ca-43

-0.087 To 0.008 %

Inelastic  
Cross Section



3

Incident Energy (eV)

20-Ca-43

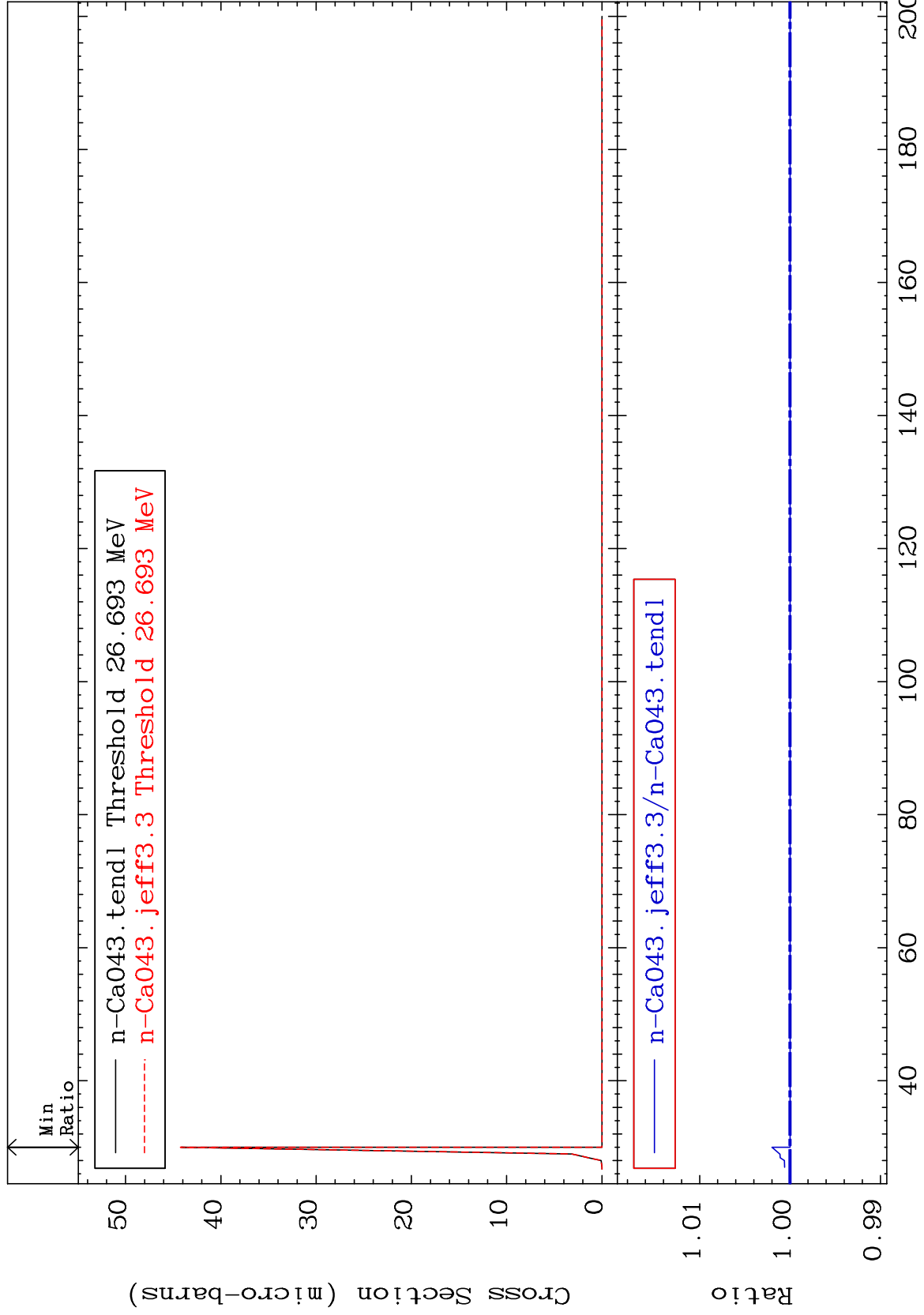
MAT 2034

(n,2n) d

20-Ca-43

Cross Section

0.000 To 0.201 %



Incident Energy (MeV)

20-Ca-43

4

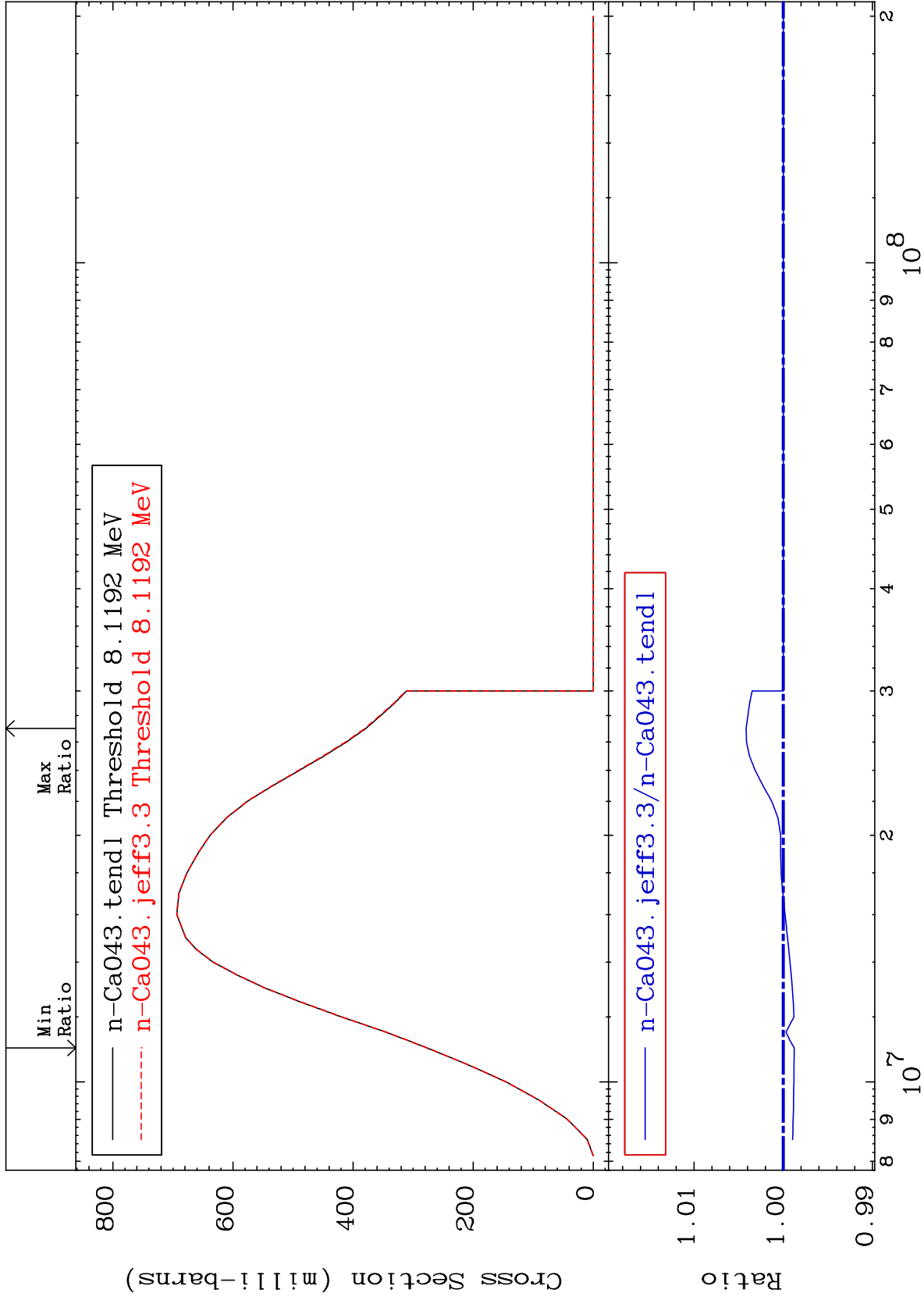
MAT 2034

(n,2n)

20-Ca-43

Cross Section

-0.122 To 0.417 %



MAT 2034

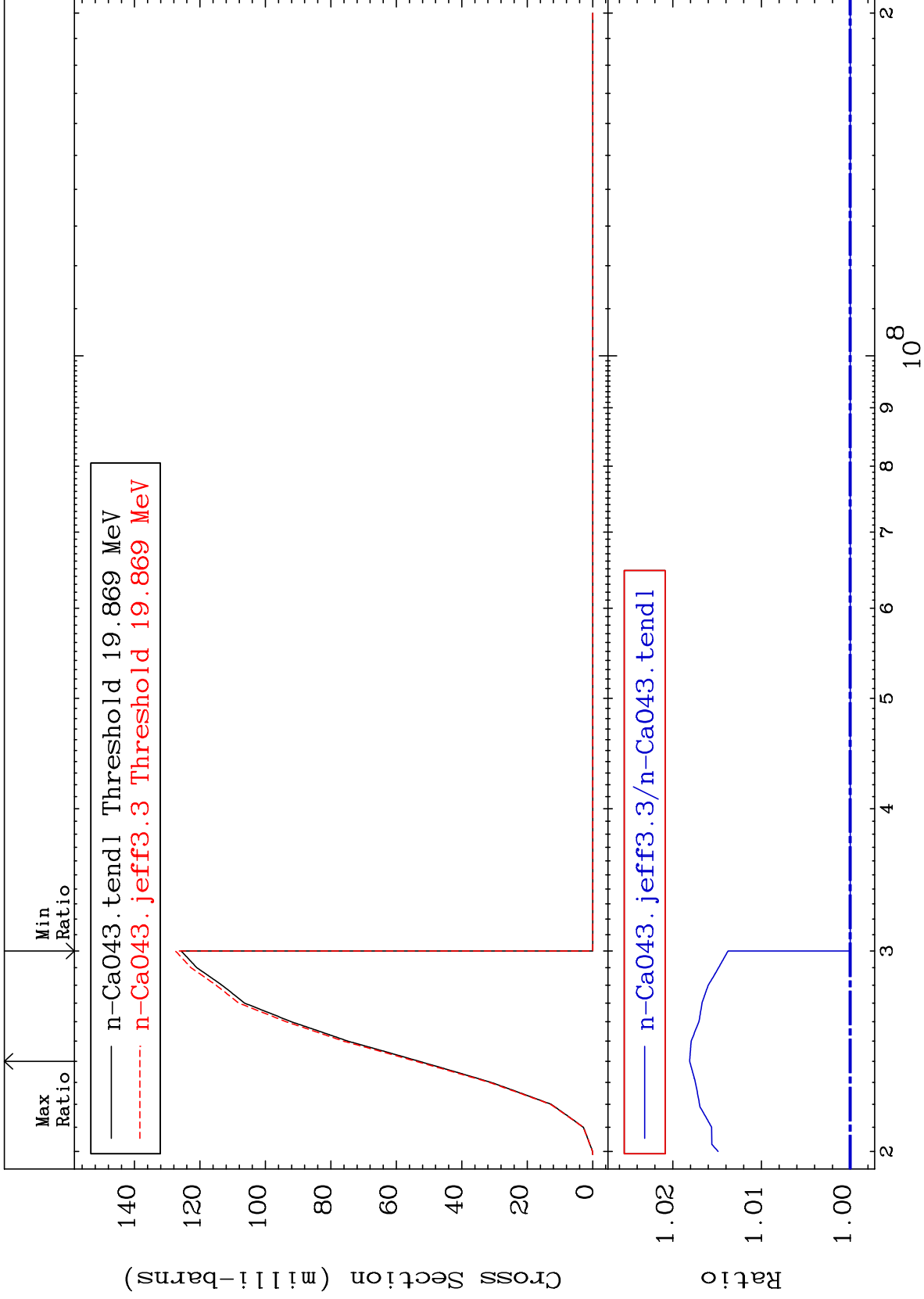
(n,3n)

20-Ca-43

Cross Section

0.000

To 1.809 %



6

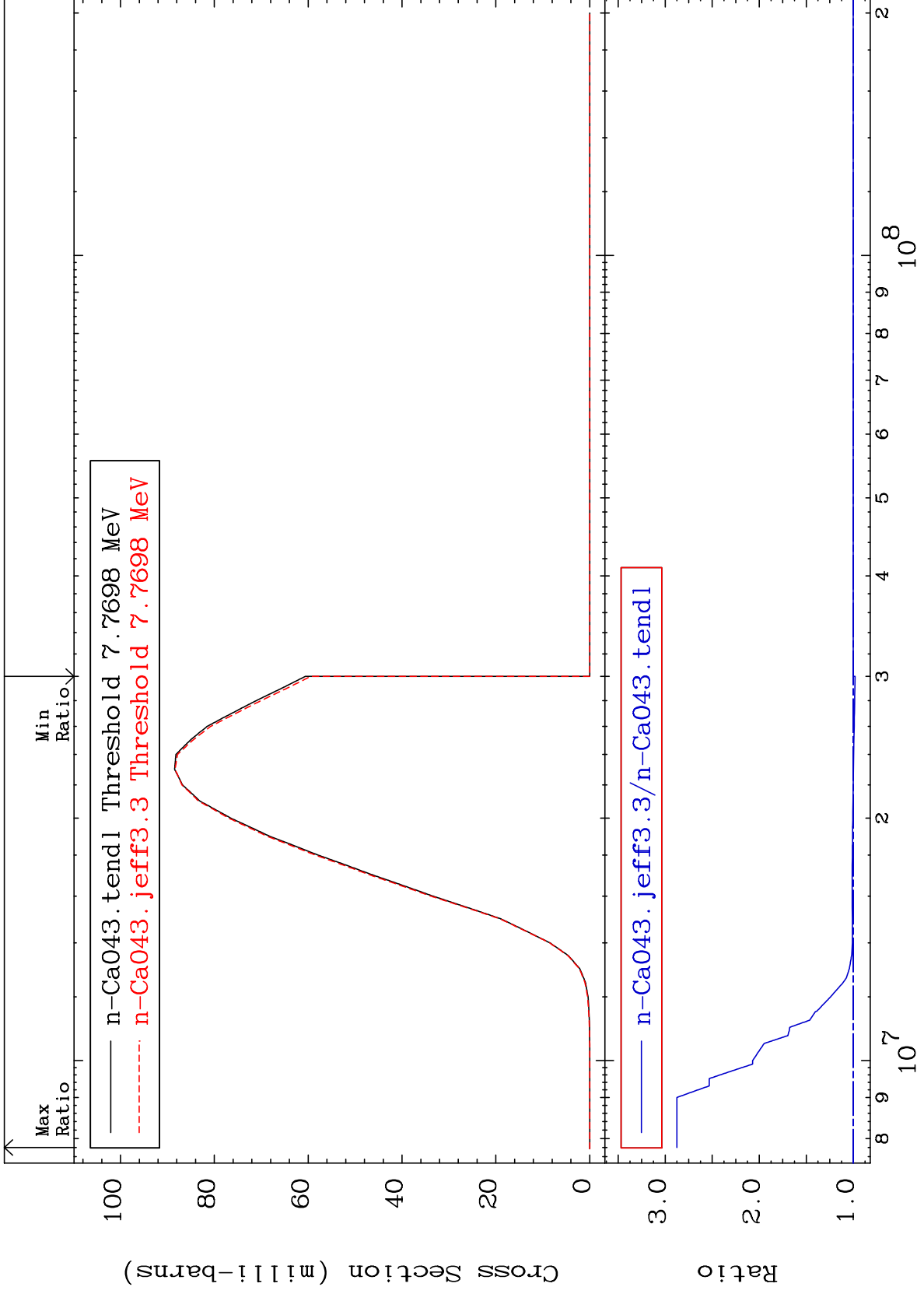
Incident Energy (eV)

20-Ca-43

MAT 2034

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

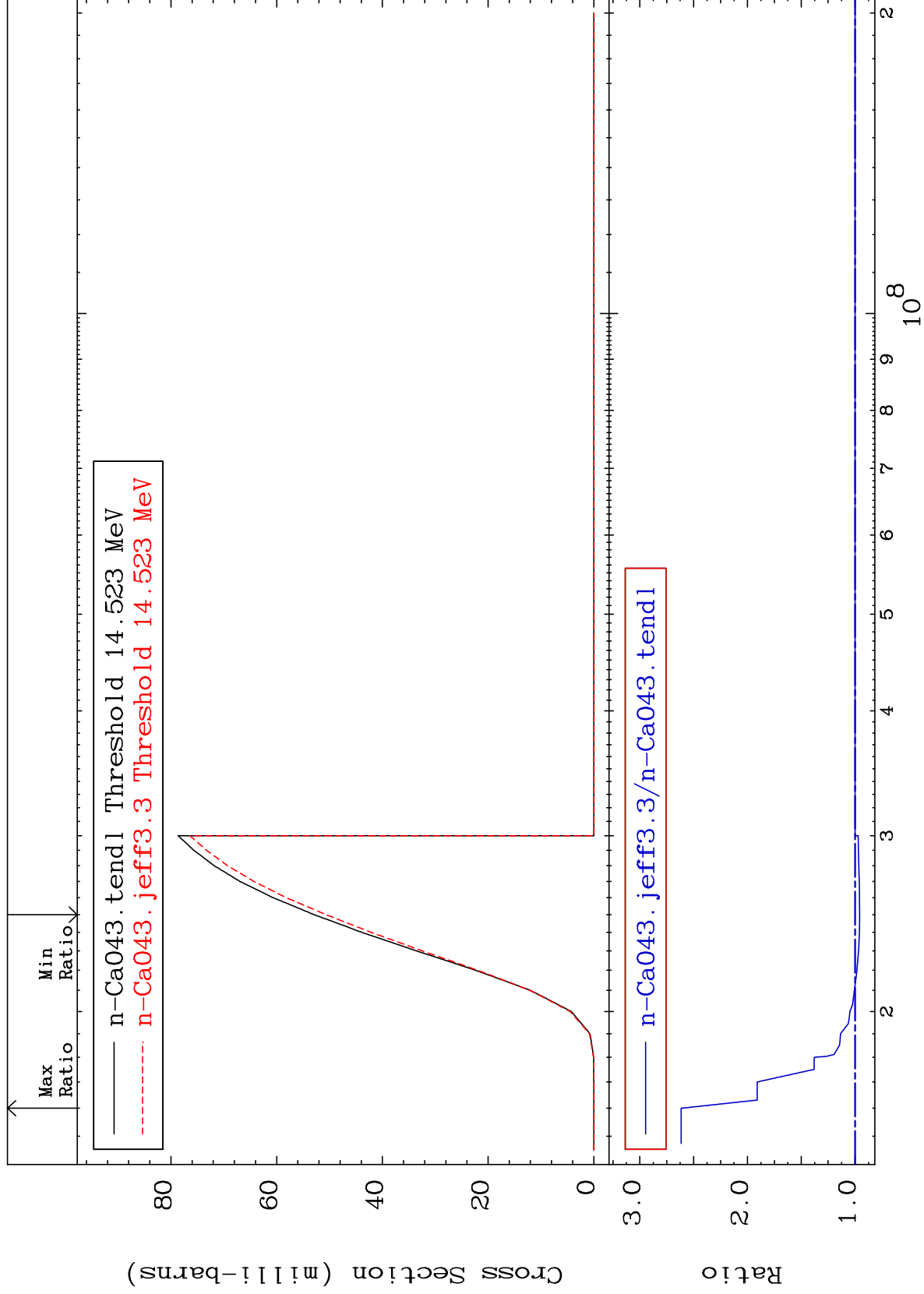
20-Ca-43  
-1.891 To 187.5 %



MAT 2034

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

20-Ca-43  
-4.269 To 161.6 %



8

Incident Energy (eV)

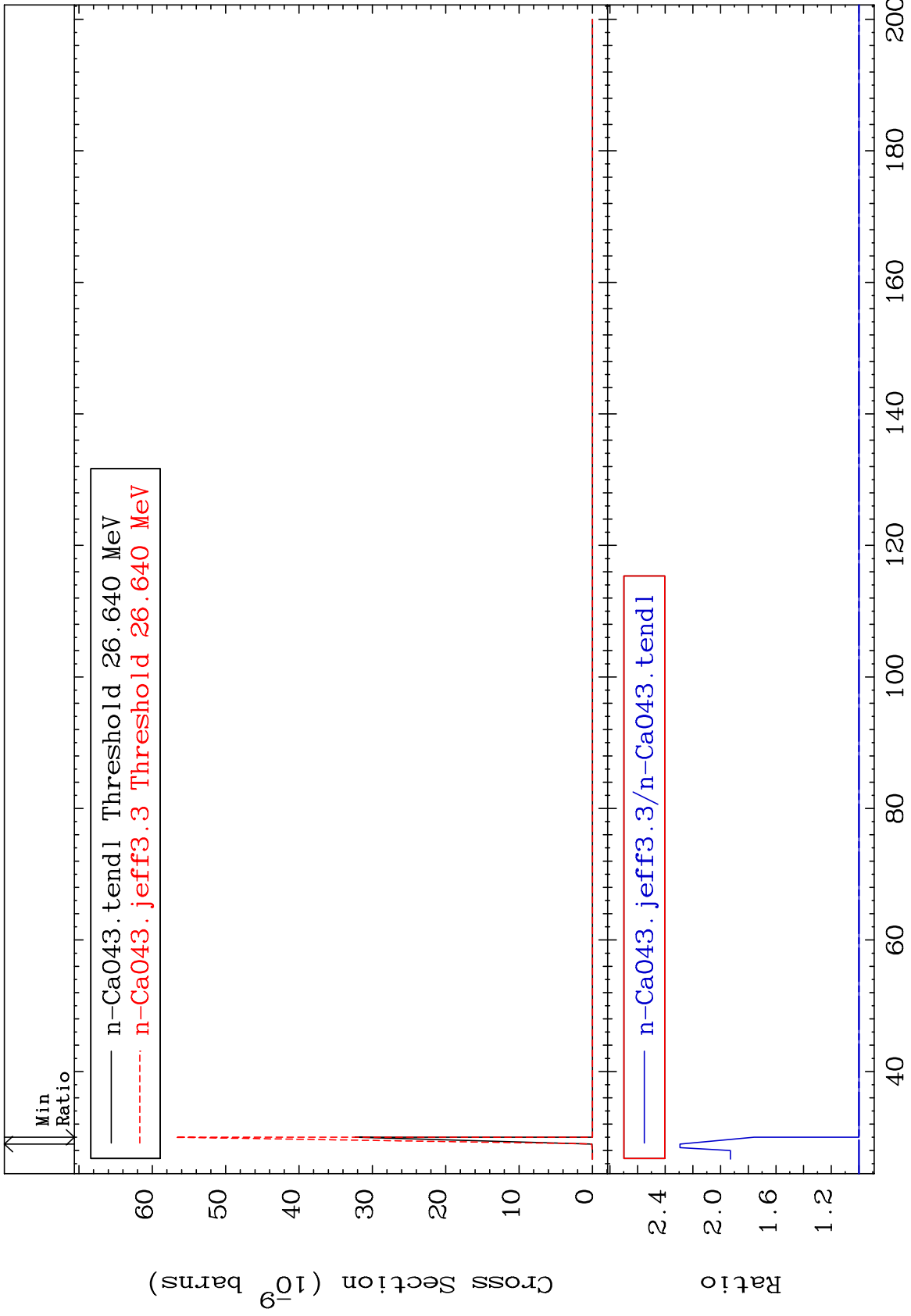
20-Ca-43



MAT 2034

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

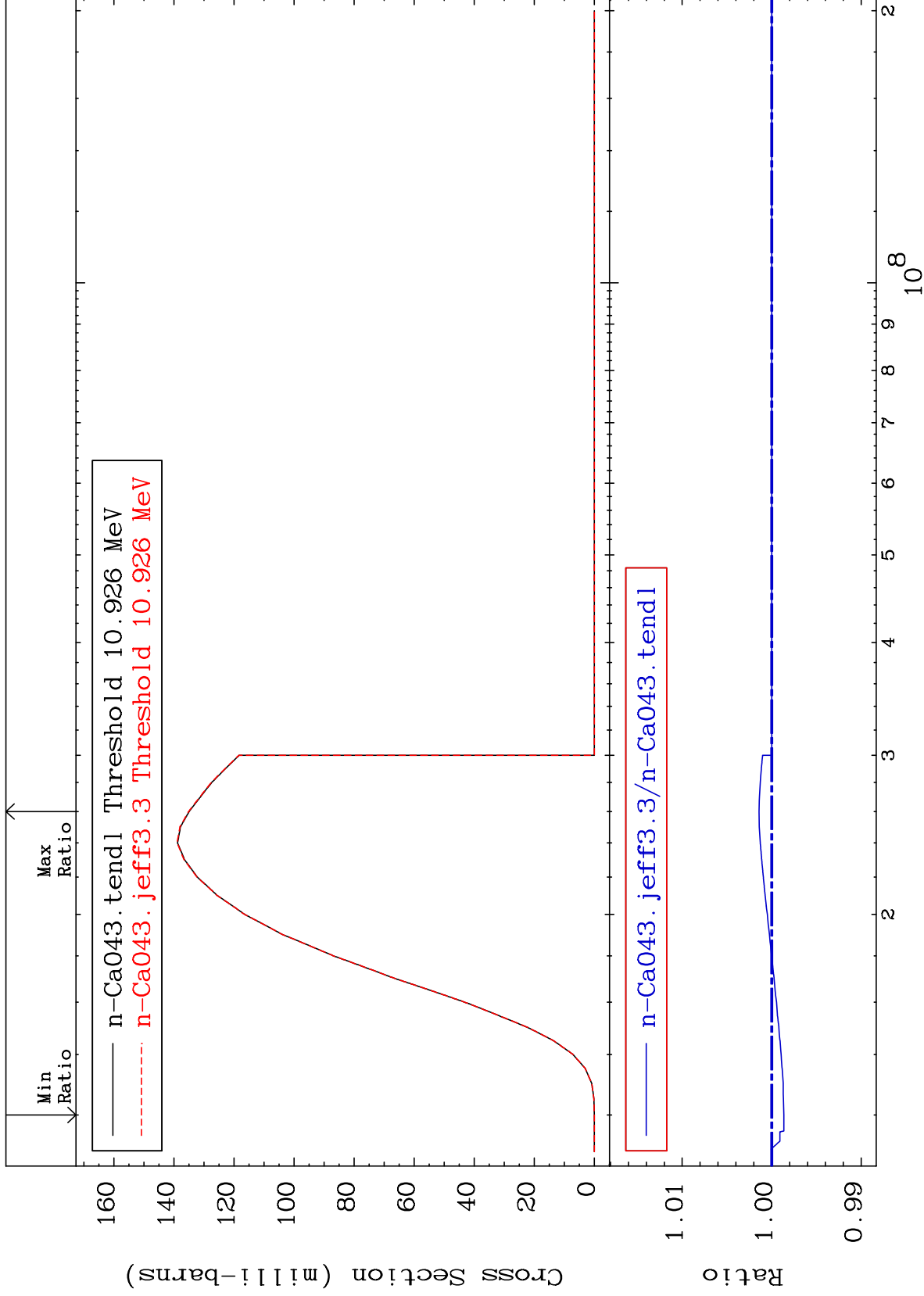
20-Ca-43  
0.000 To 129.3 %

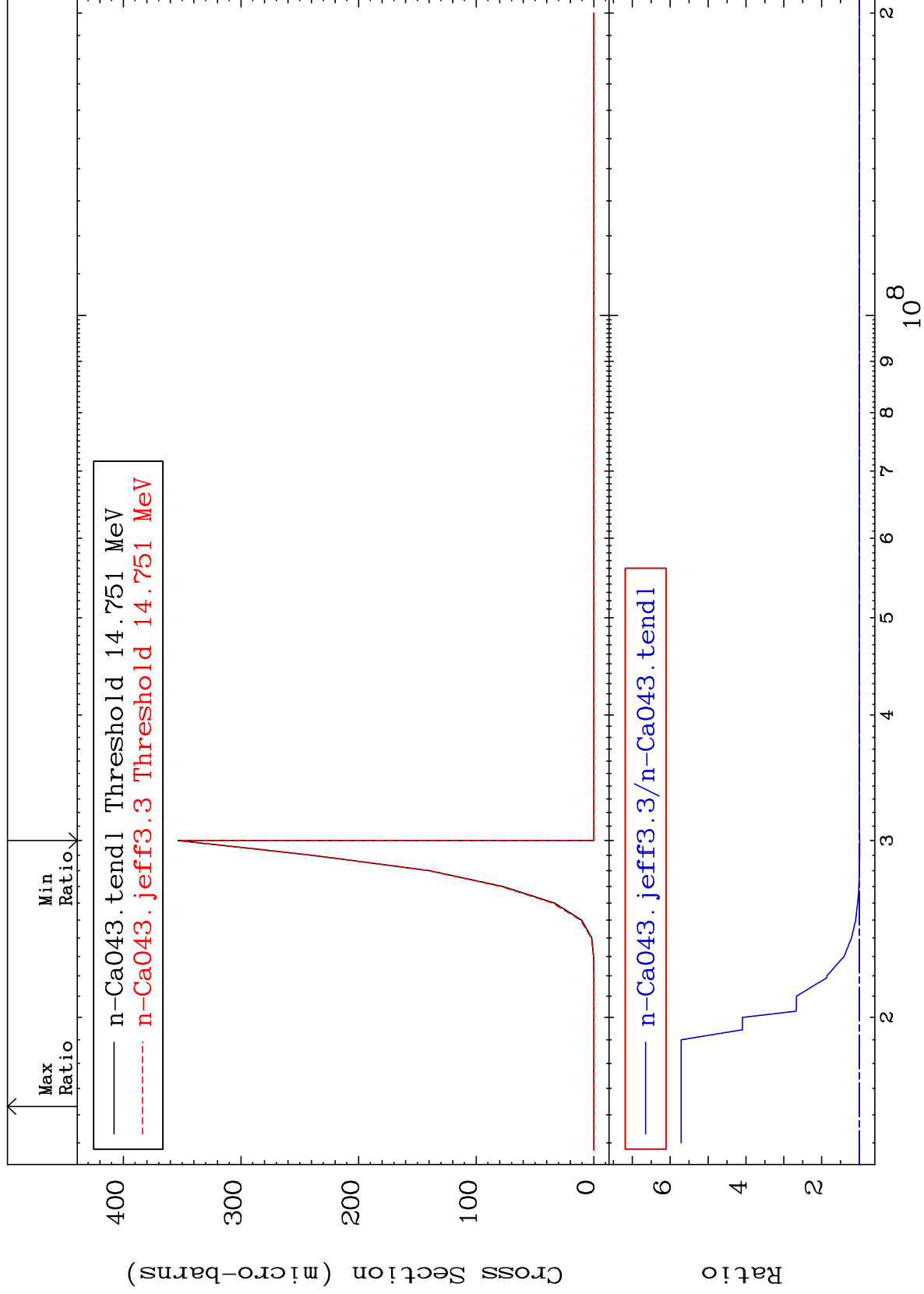


MAT 2034

(n,n') p  
Cross Section

20-Ca-43  
-0.136 To 0.142 %

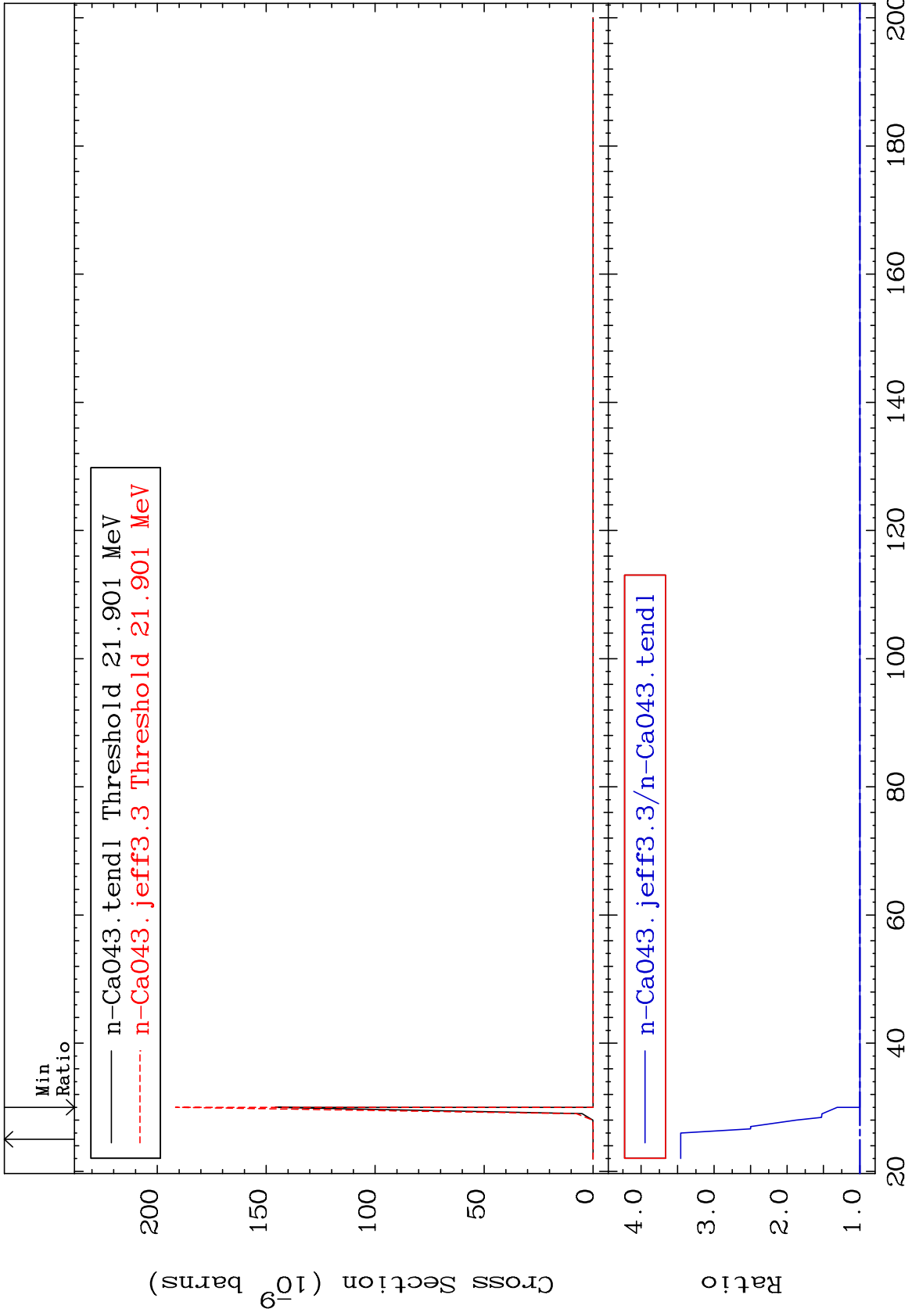




MAT 2034

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

20-Ca-43  
0.000 To 245.7 %



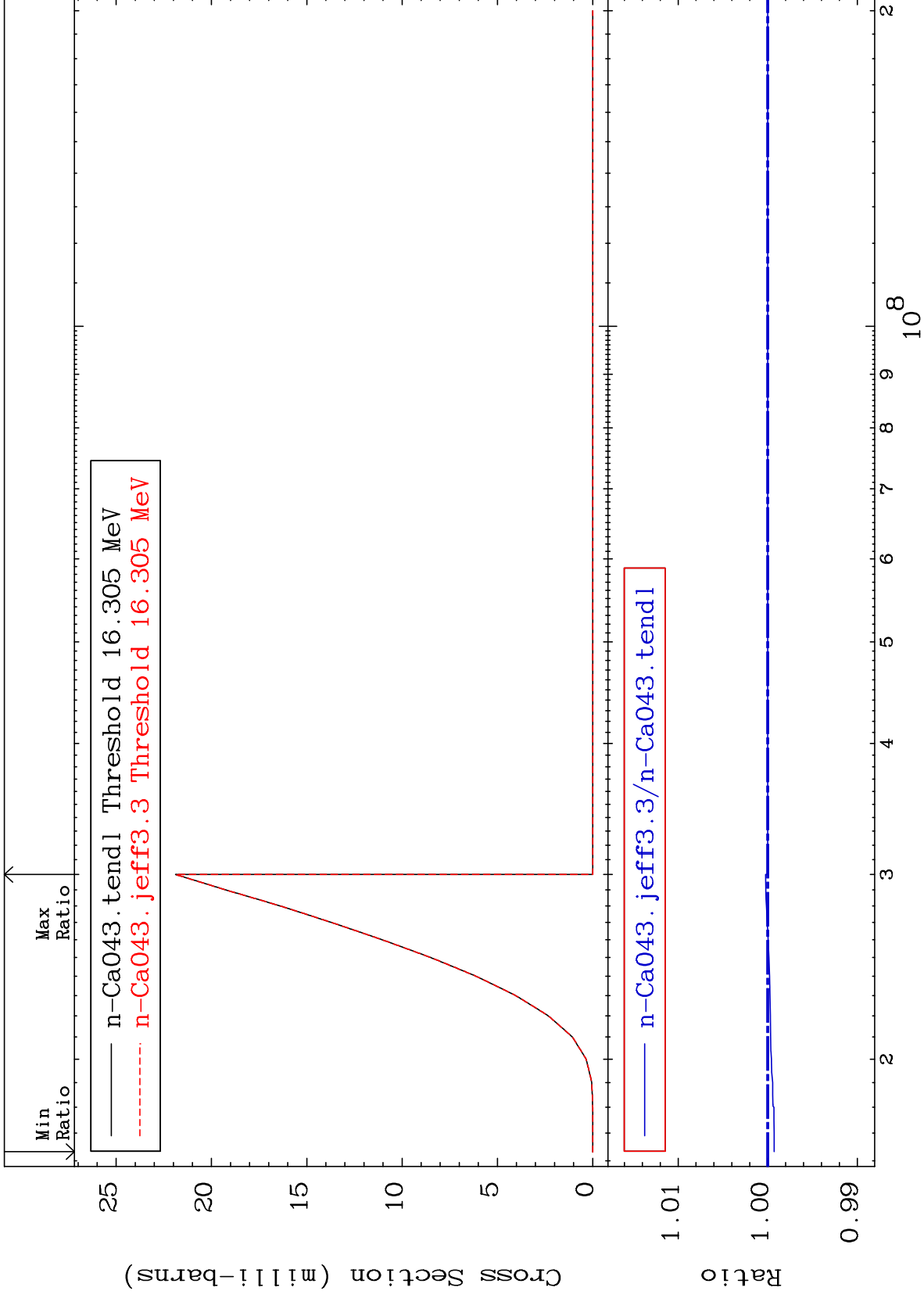
MAT 2034

(n,n') d

20-Ca-43

Cross Section

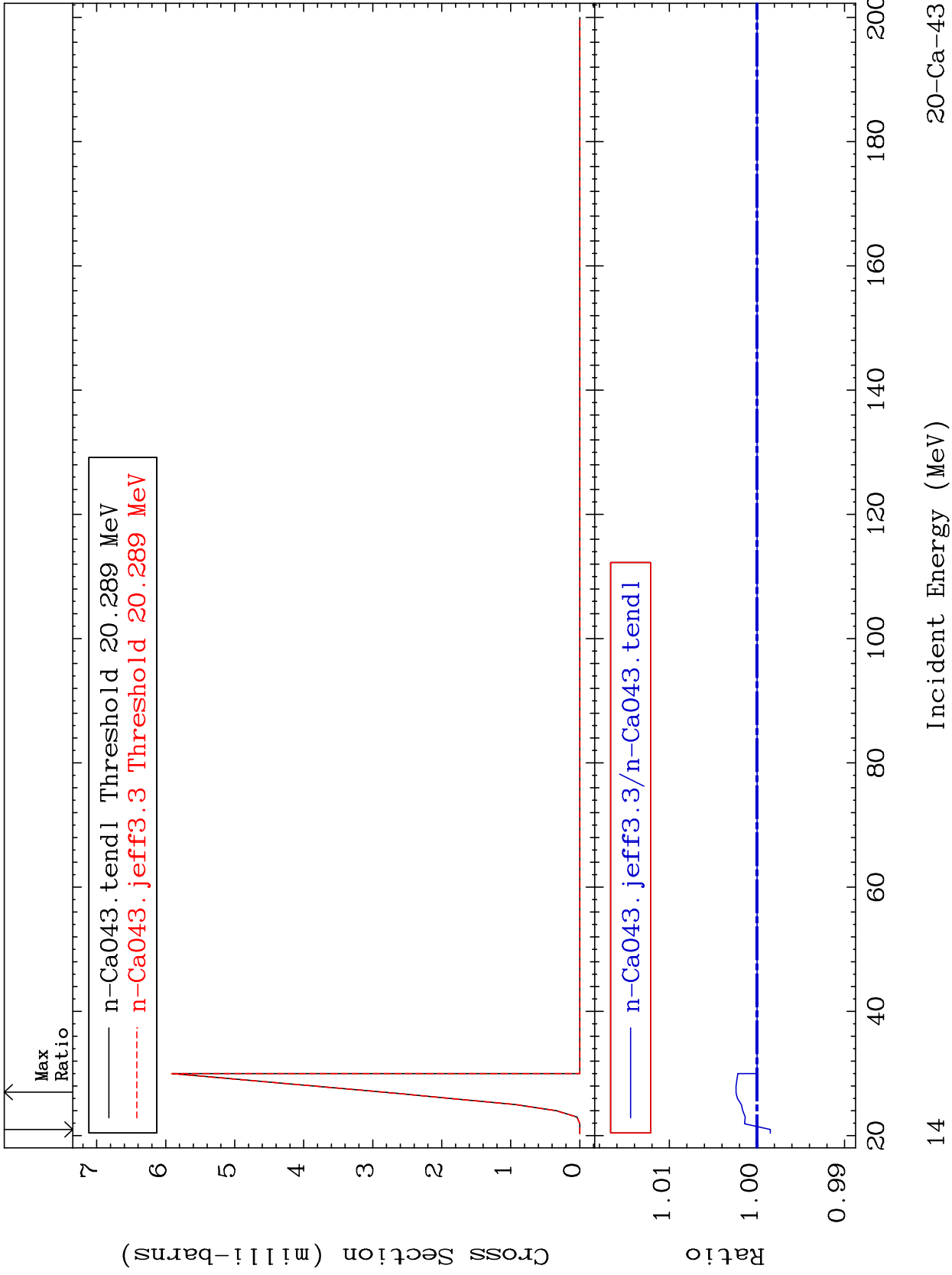
-0.073 To 0.023 %



MAT 2034

(n,n') t  
Cross Section

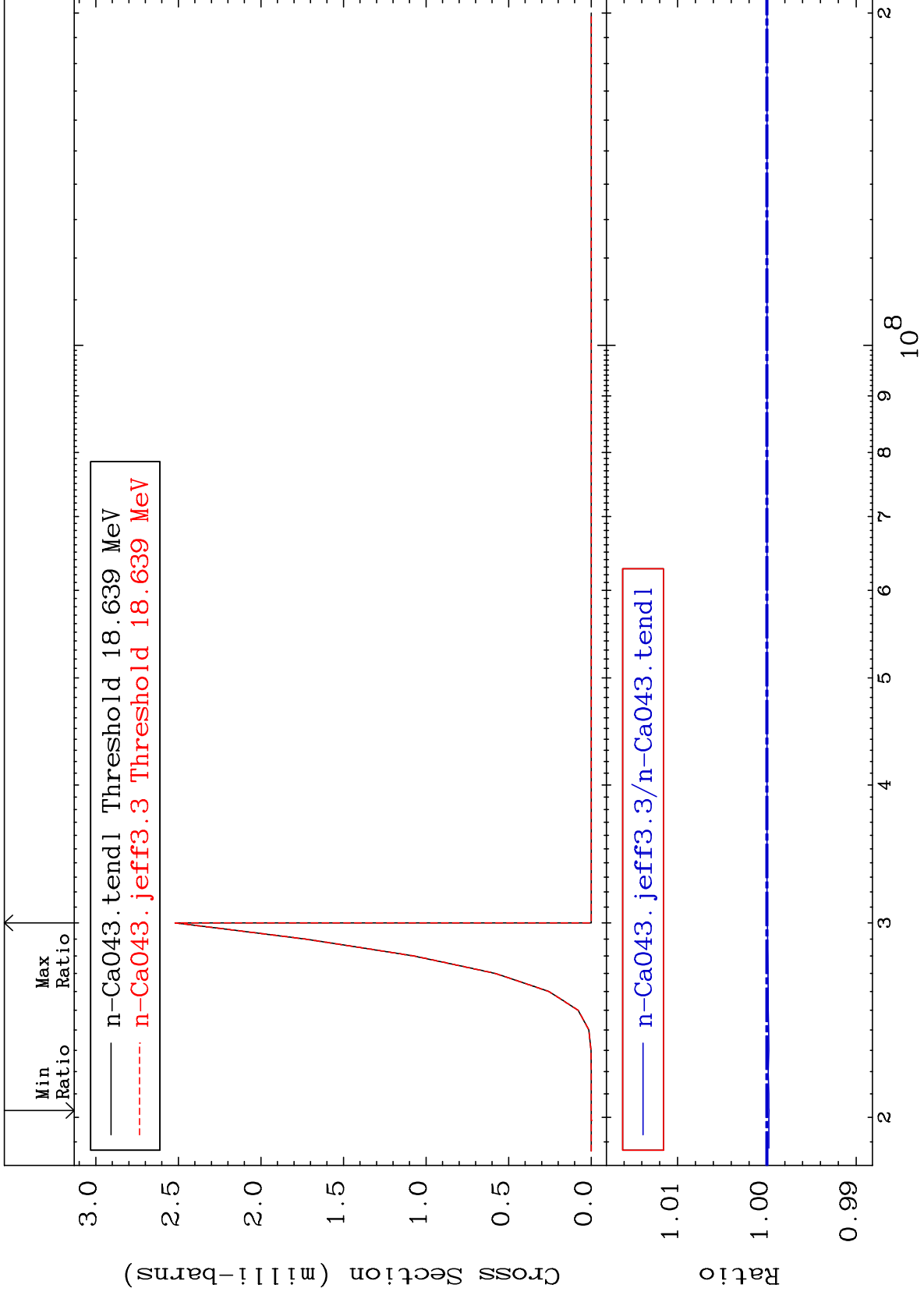
20-Ca-43  
-0.151 To 0.240 %



MAT 2034

(n, n') He-3  
Cross Section

20-Ca-43  
-0.023 To 0.000 %



15

Incident Energy (eV)

20-Ca-43

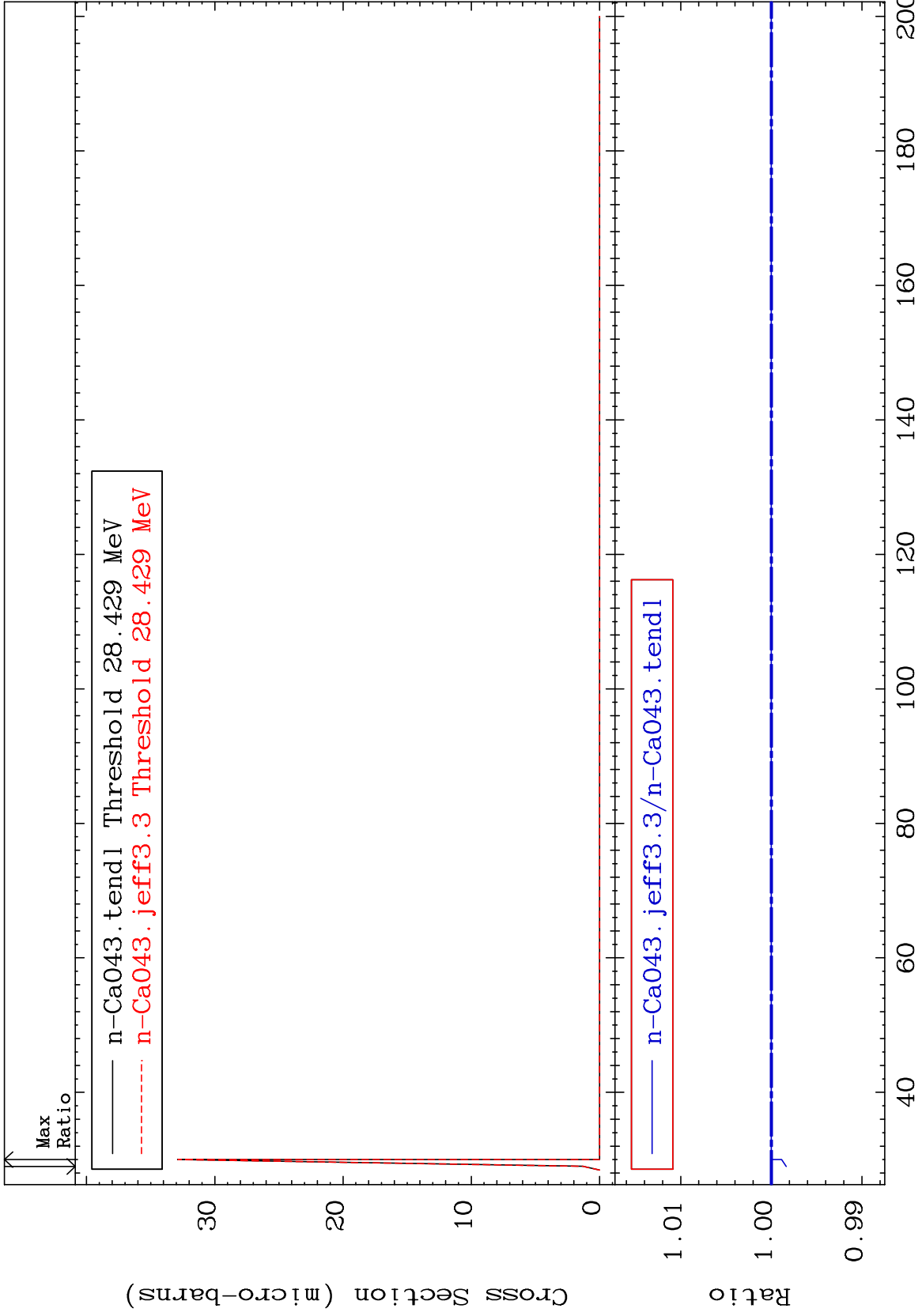
MAT 2034

(n,4n)

20-Ca-43

Cross Section

-0.164 To 0.000 %



16

Incident Energy (MeV)

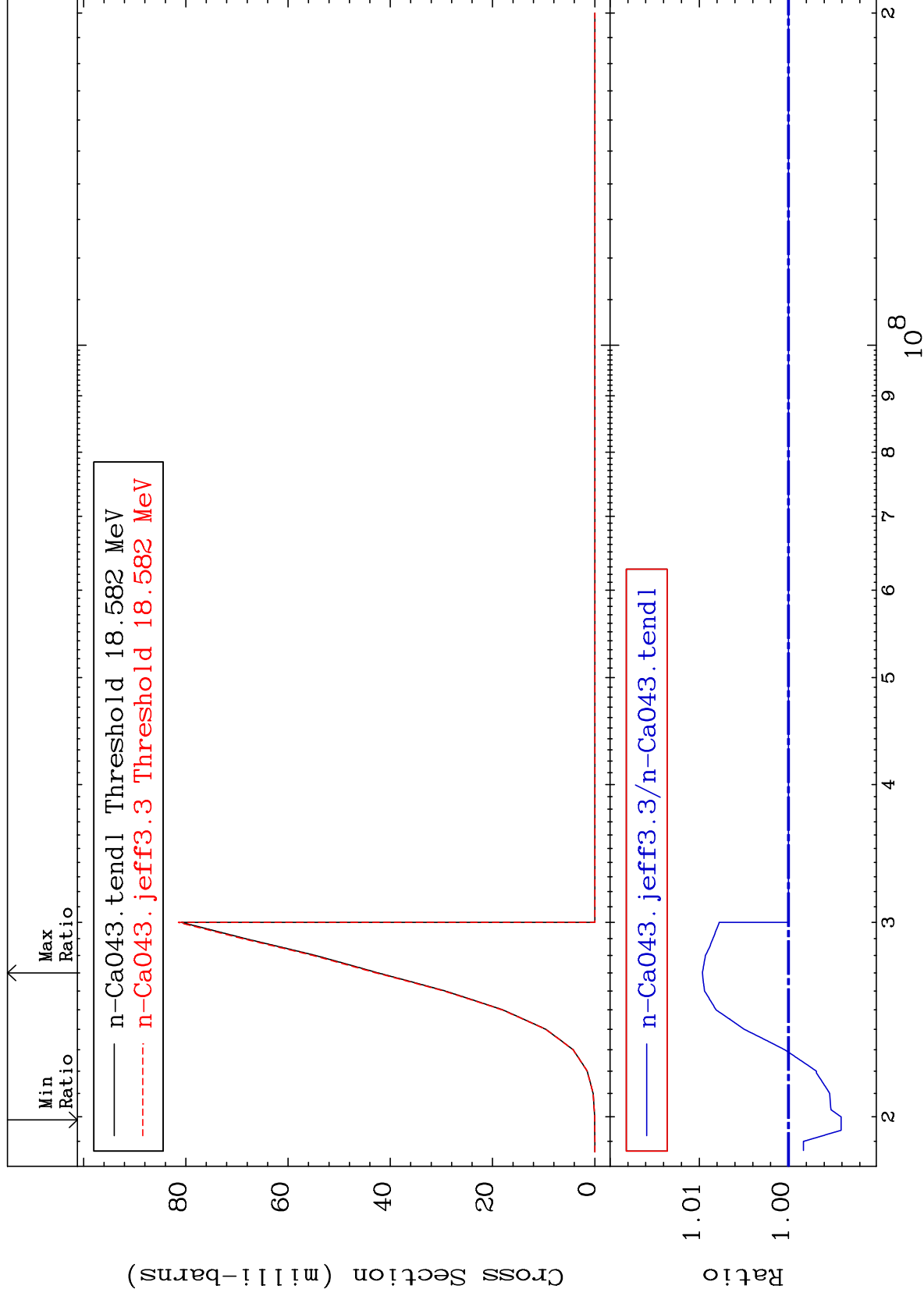
20-Ca-43



MAT 2034

(n,2n) p  
Cross Section

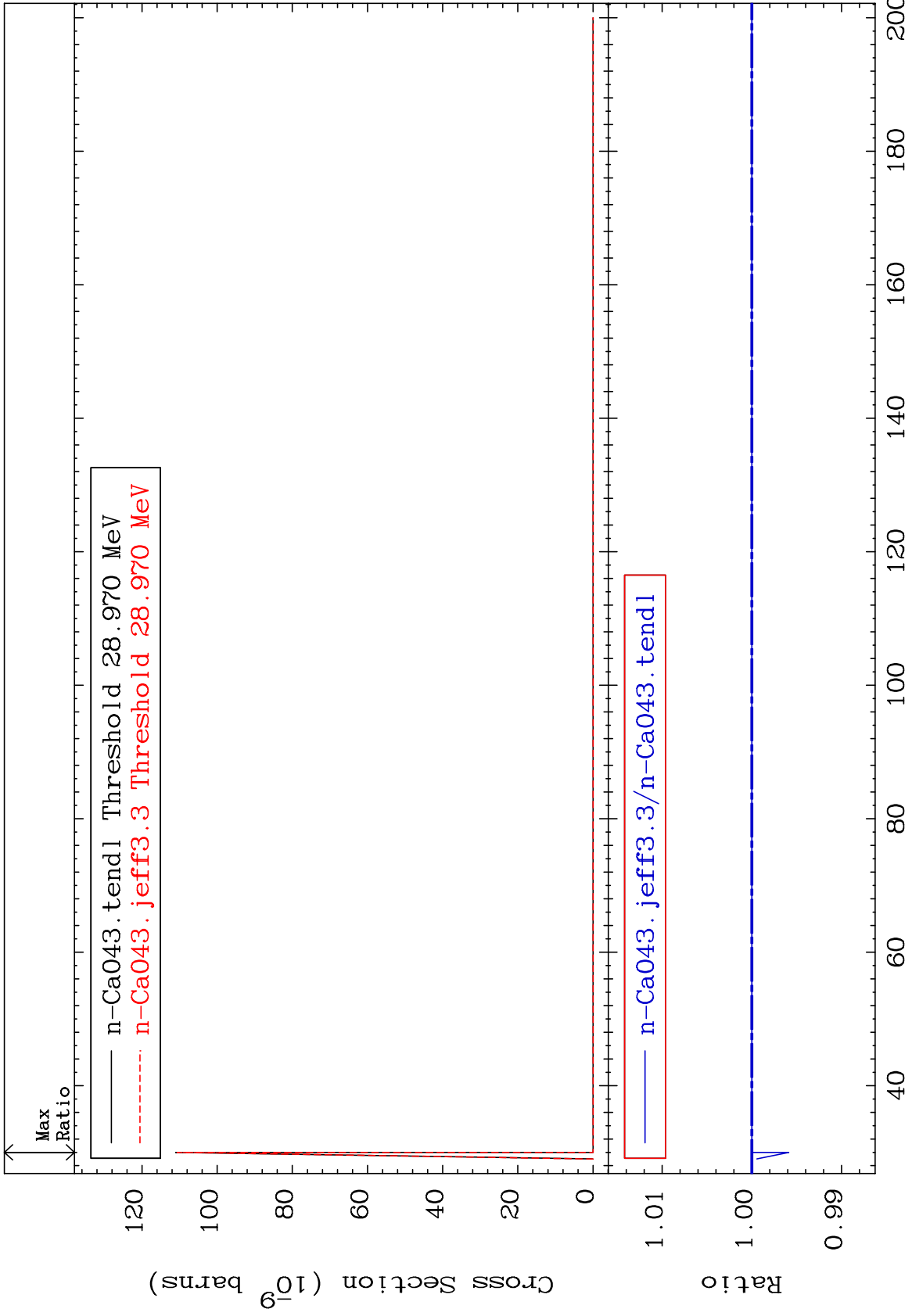
20-Ca-43  
-0.589 To 0.965 %



MAT 2034

(n,3n) p  
Cross Section

20-Ca-43  
-0.412 To 0.000 %

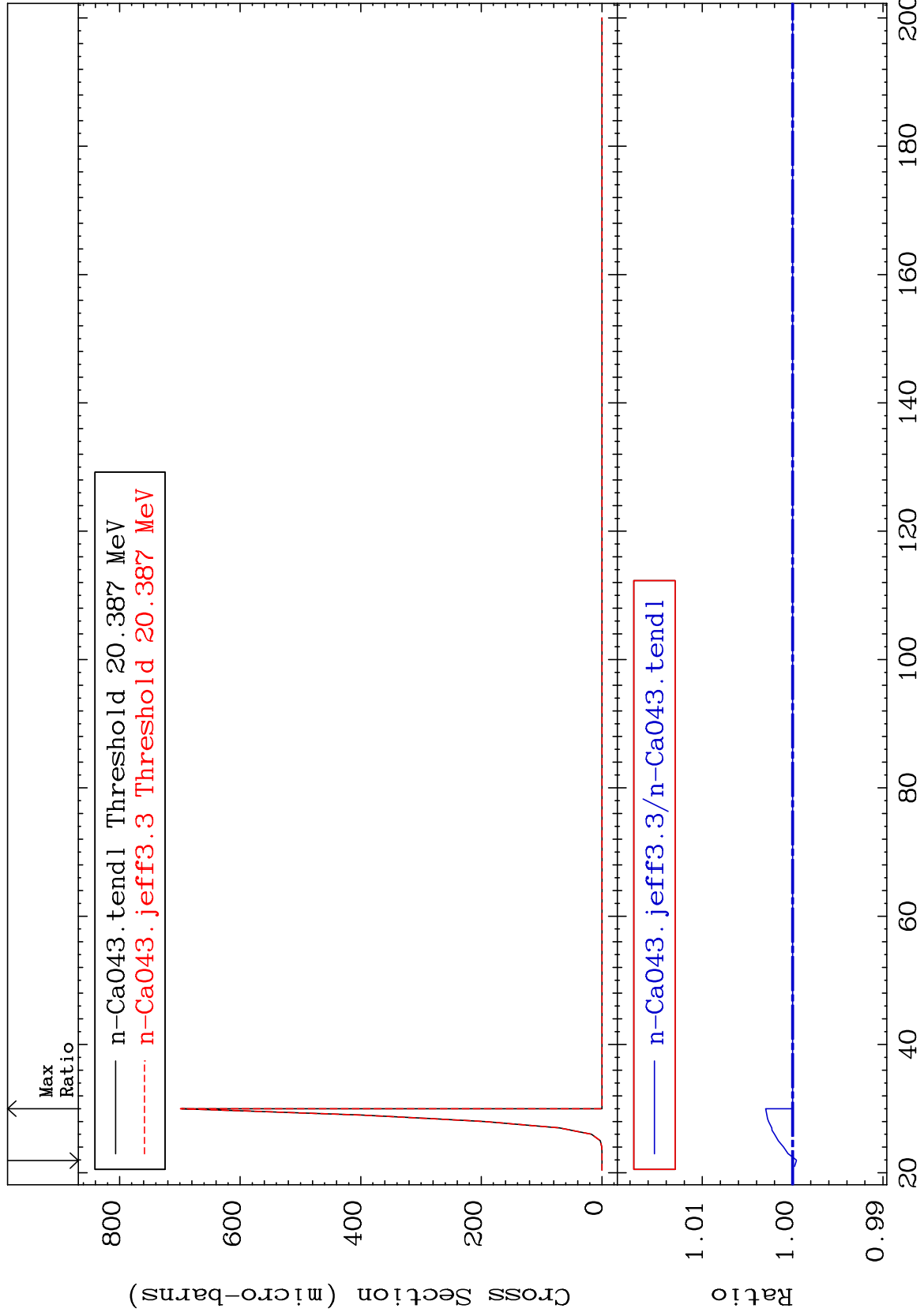


MAT 2034

(n,2n) p  
Cross Section

20-Ca-43

-0.041 To 0.300 %



19

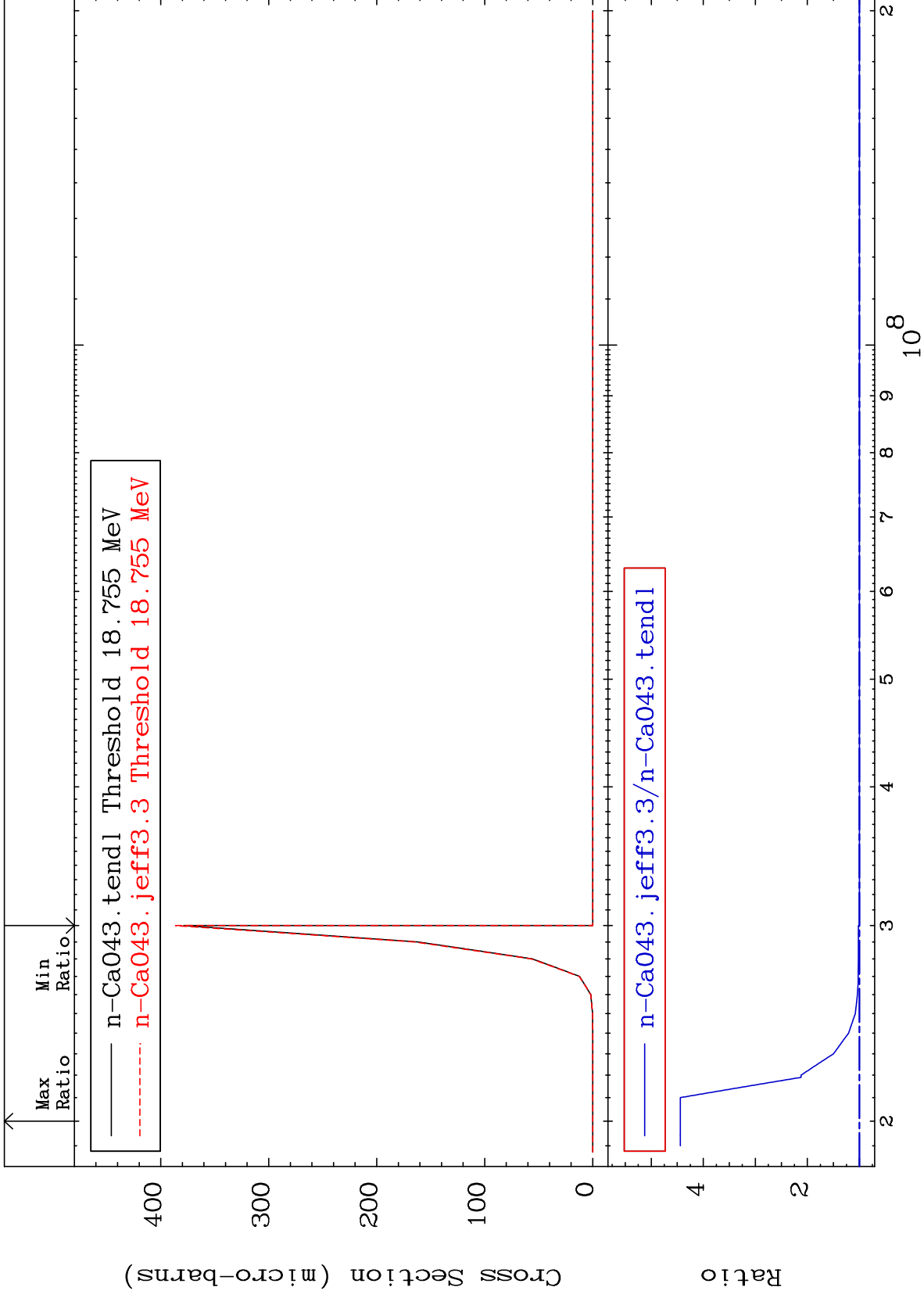
Incident Energy (MeV)

20-Ca-43

MAT 2034

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

20-Ca-43  
0.000 To 344.1 %



20

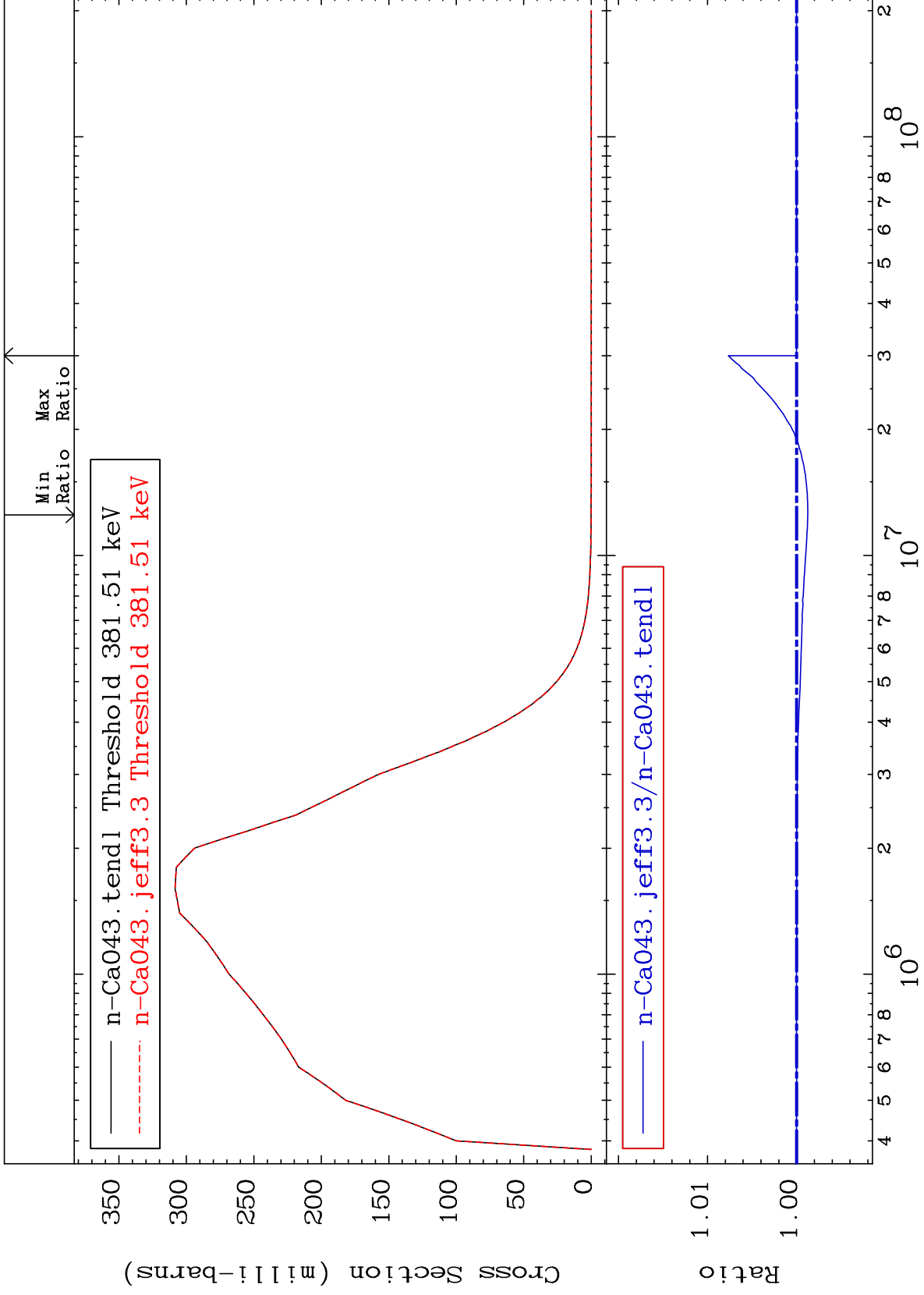
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.125 To 0.768 %



21

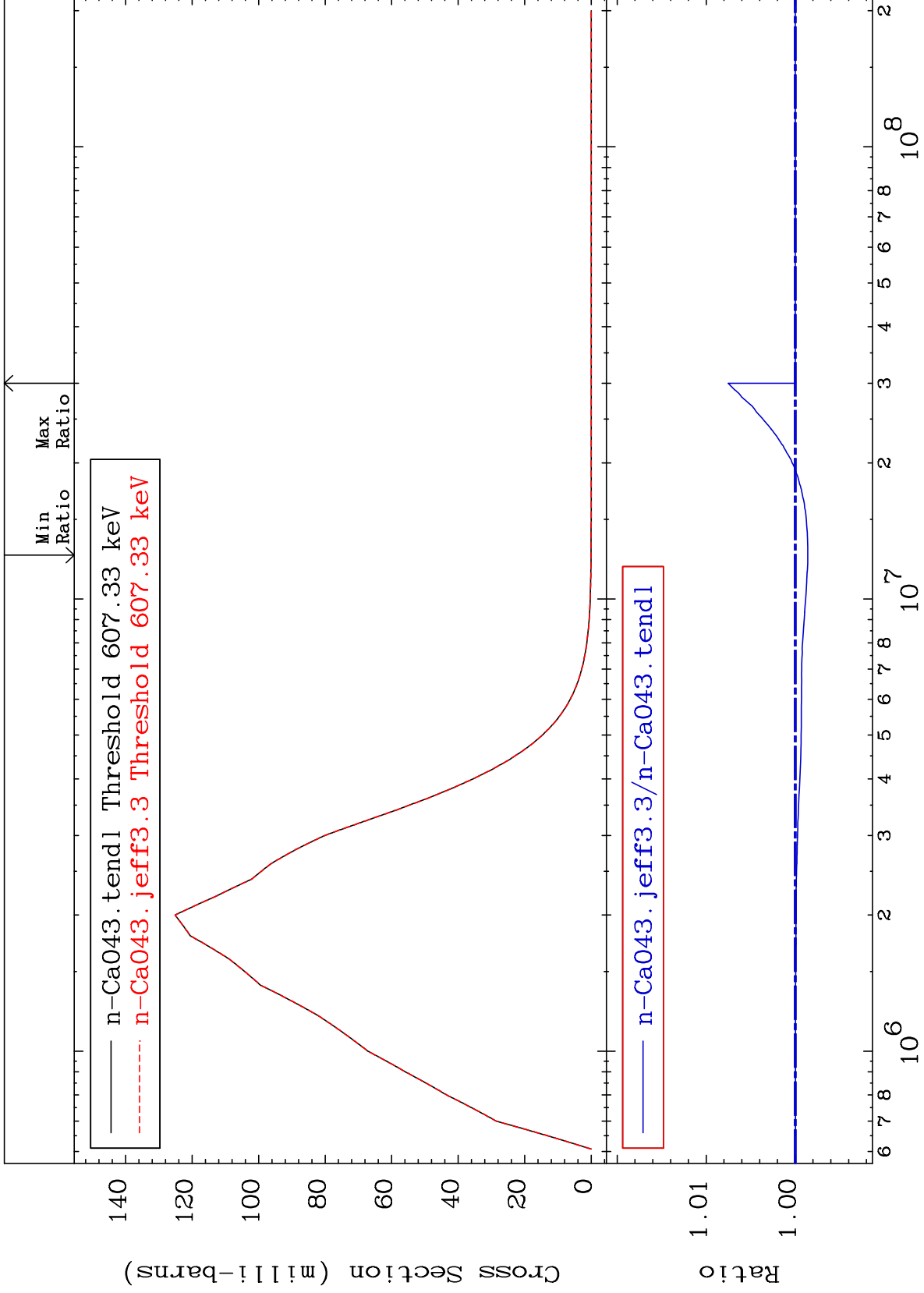
Incident Energy (eV)

20-Ca-43

MAT 2034

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

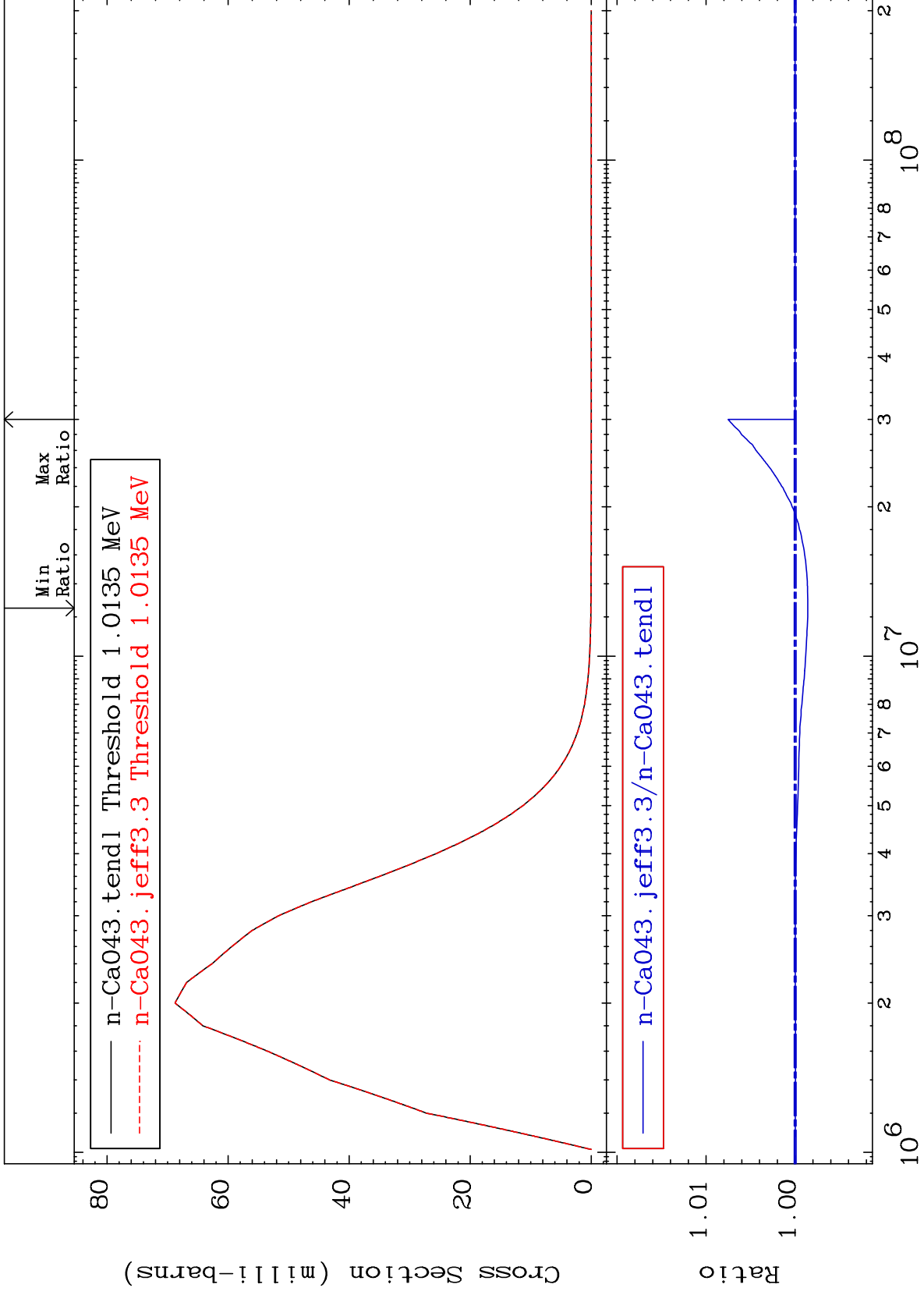
20-Ca-43  
-0.141 To 0.754 %



MAT 2034

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

20-Ca-43  
-0.142 To 0.753 %



23

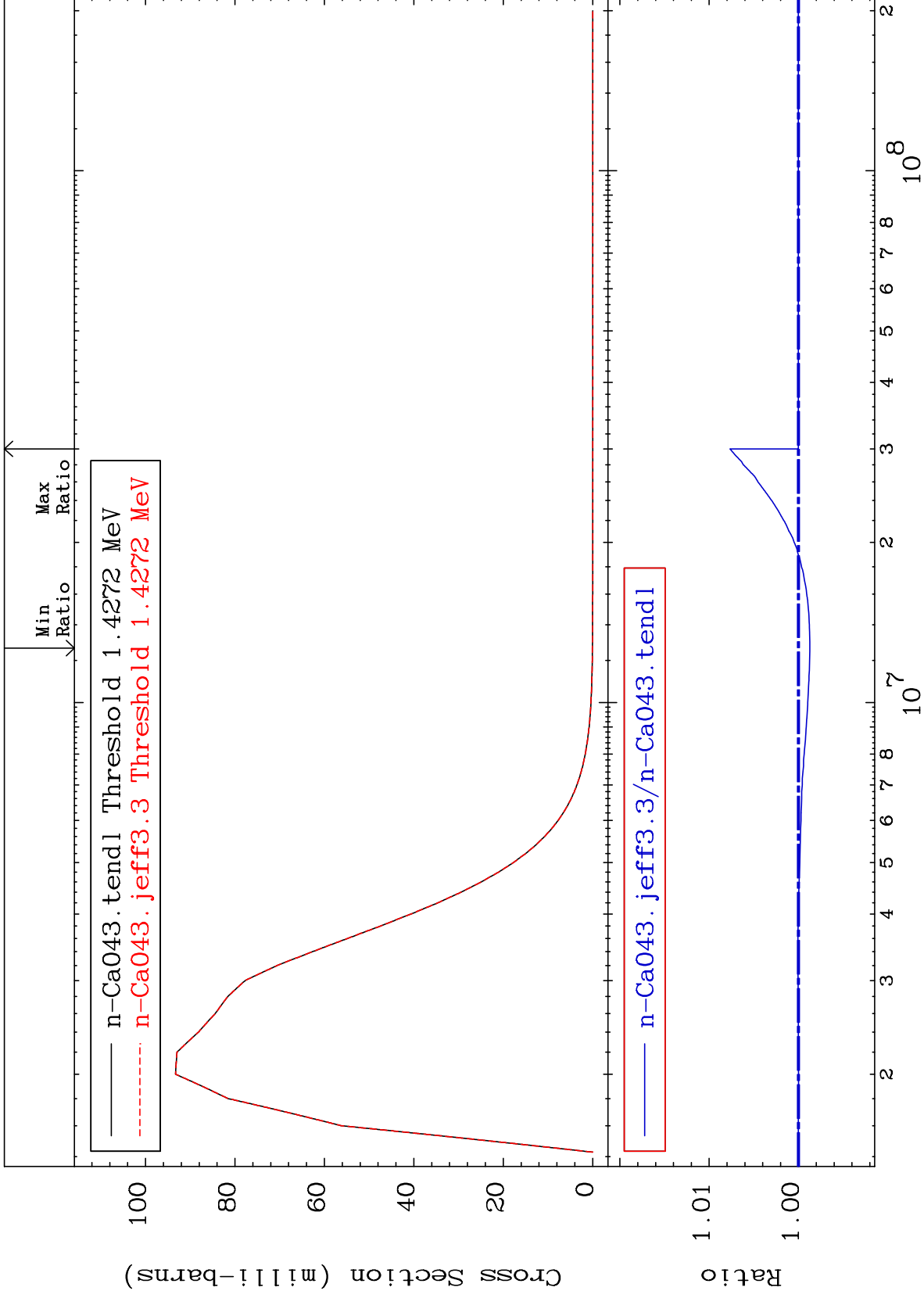
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.128 To 0.767 %



24

Incident Energy (eV)

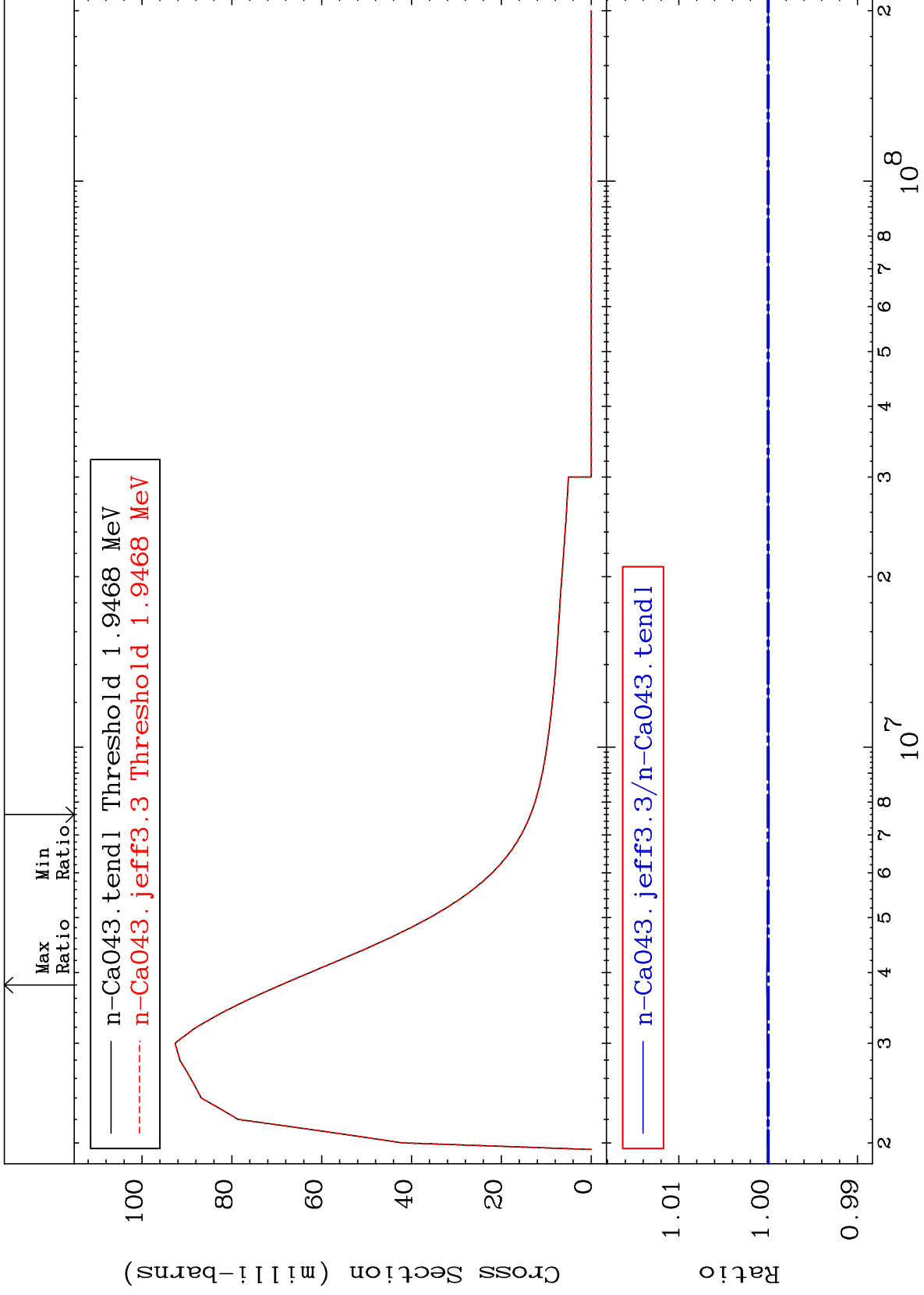
20-Ca-43



MAT 2034

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

20-Ca-43  
-0.010 To 0.015 %



25

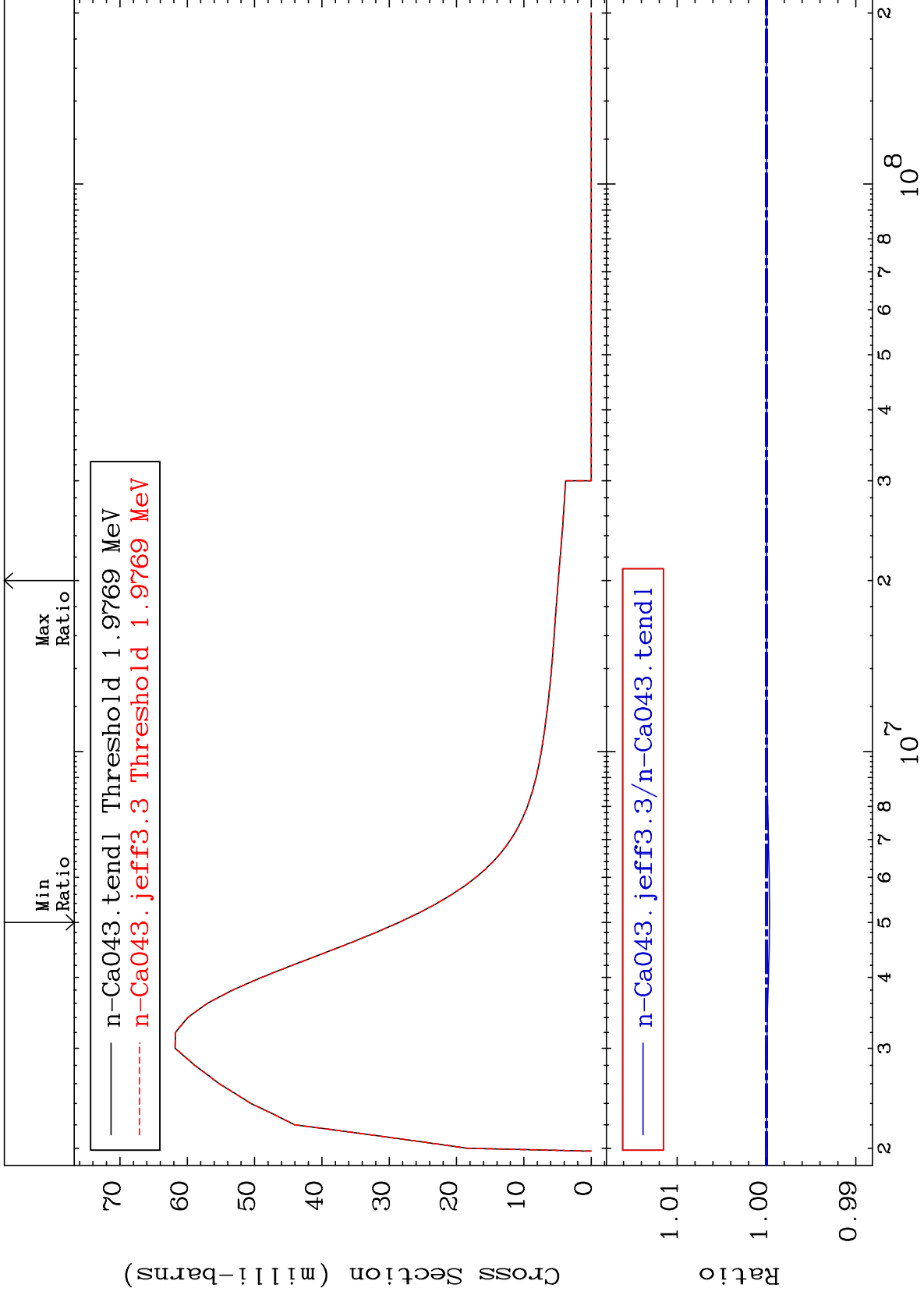
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.033 To 0.000 %



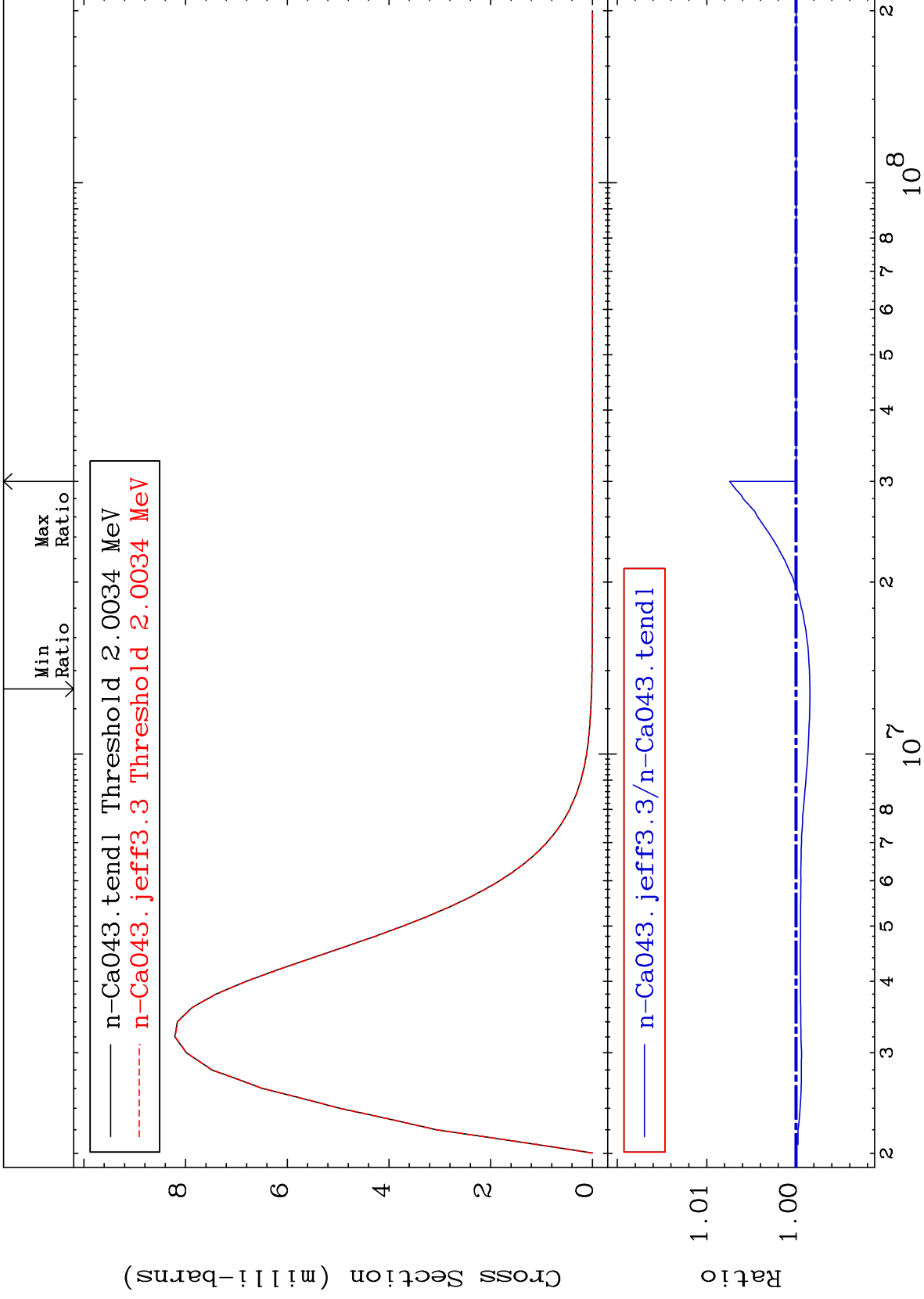
MAT 2034

MT= 58 (n,n') Level

20-Ca-43

-0.154 To 0.743 %

Cross Section



27

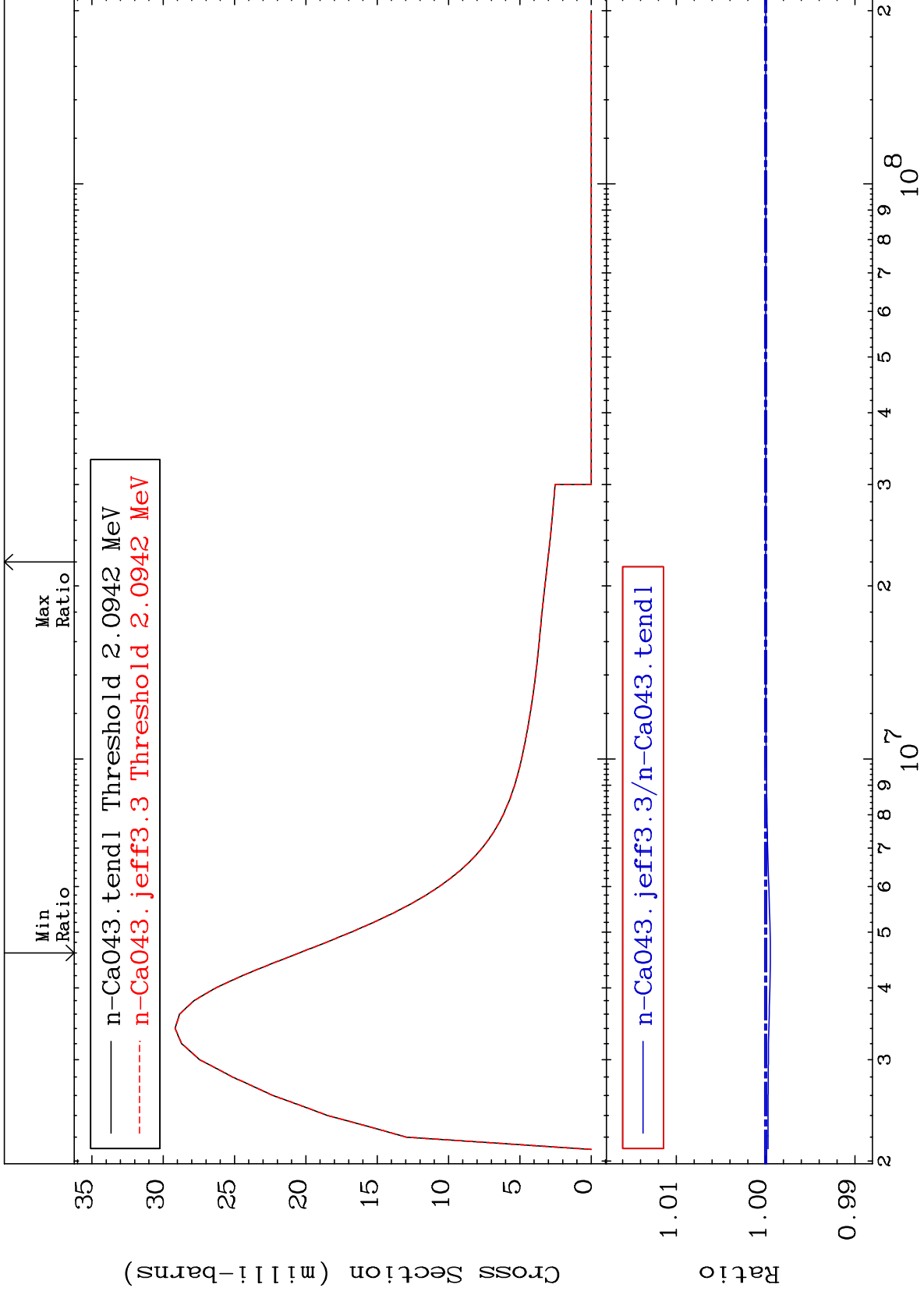
Incident Energy (eV)

20-Ca-43

MAT 2034

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

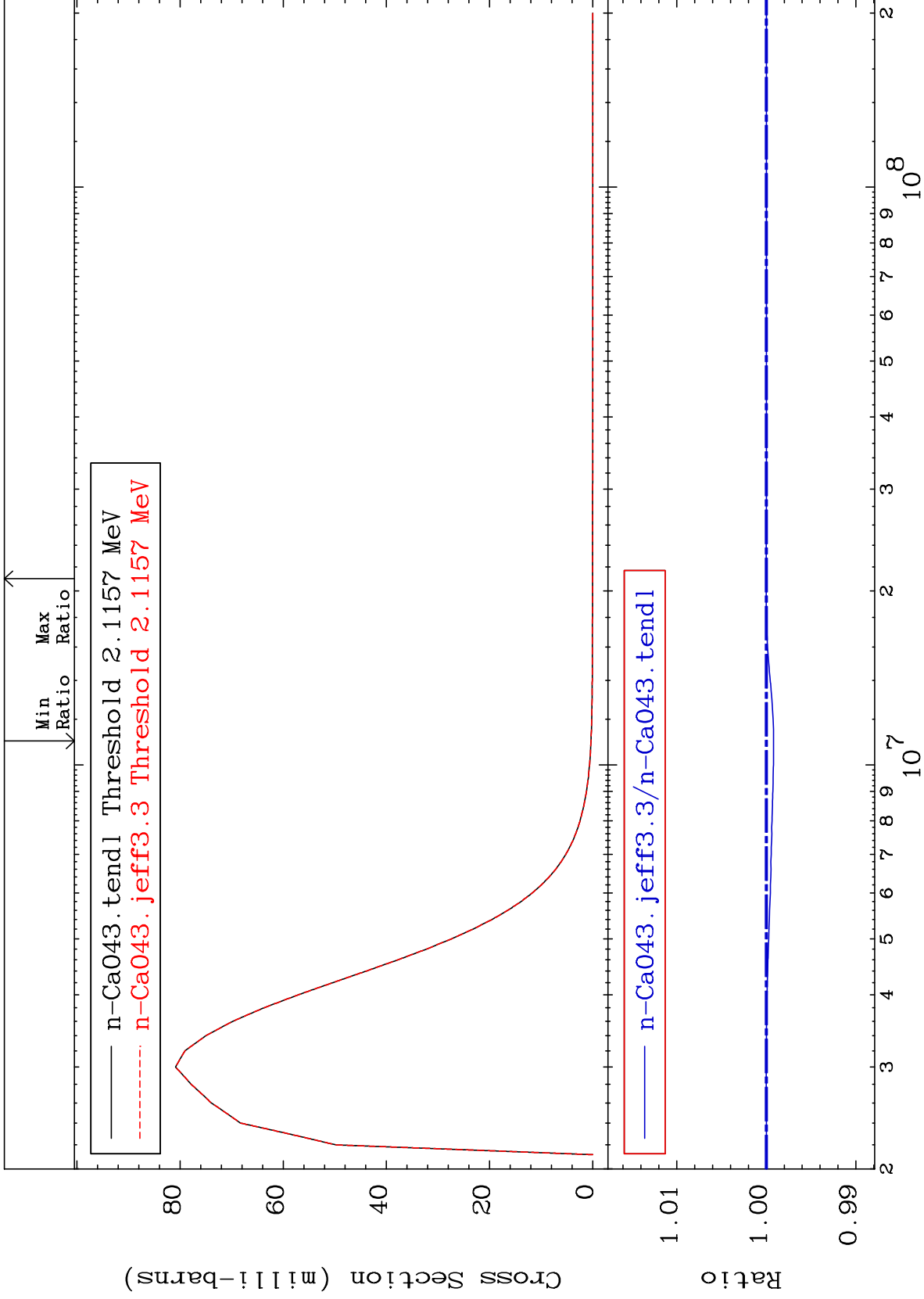
20-Ca-43  
-0.052 To 0.000 %



MAT 2034

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

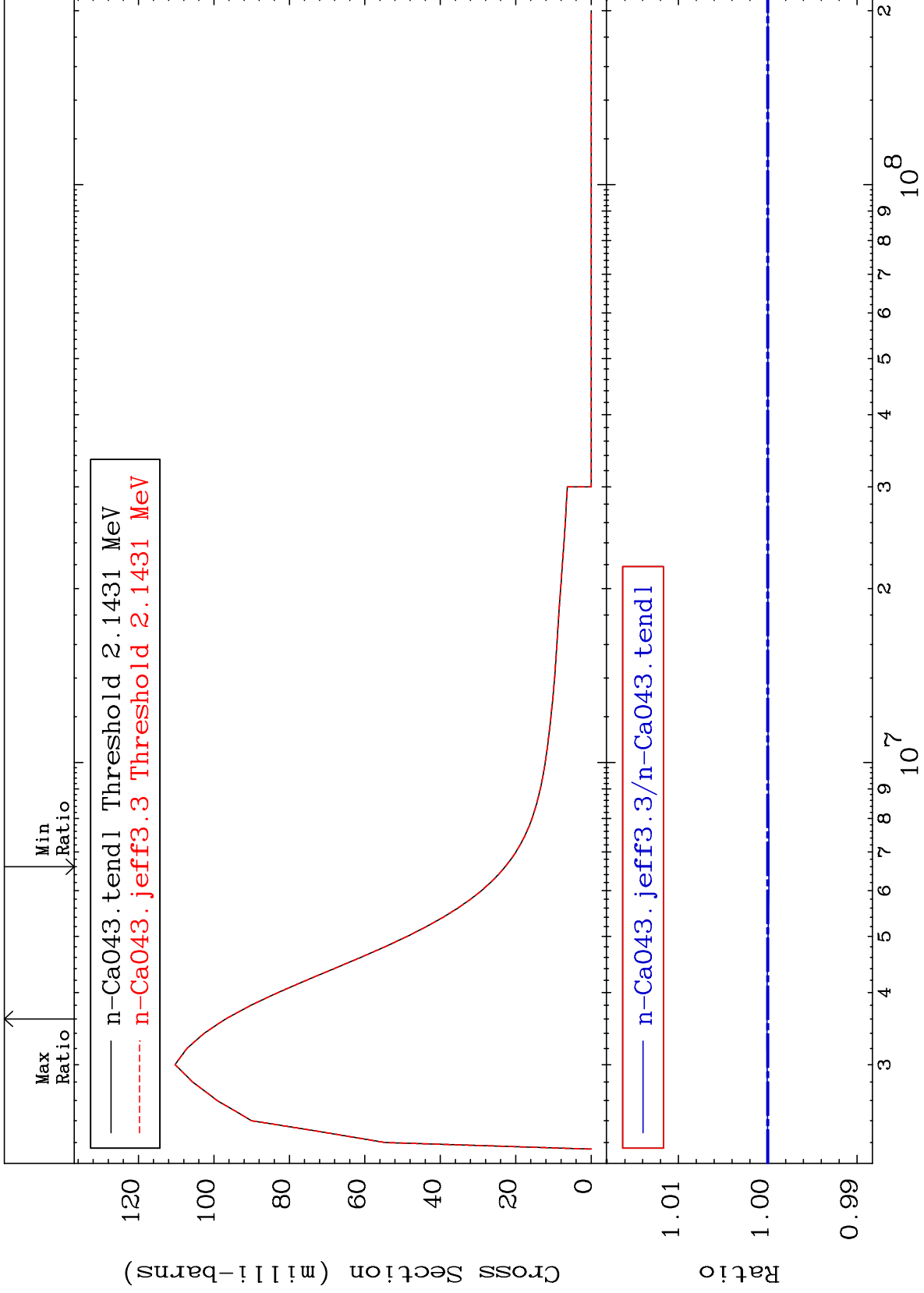
20-Ca-43  
-0.081 To 0.002 %



MAT 2034

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

20-Ca-43  
-0.014 To 0.009 %



30

Incident Energy (eV)

20-Ca-43

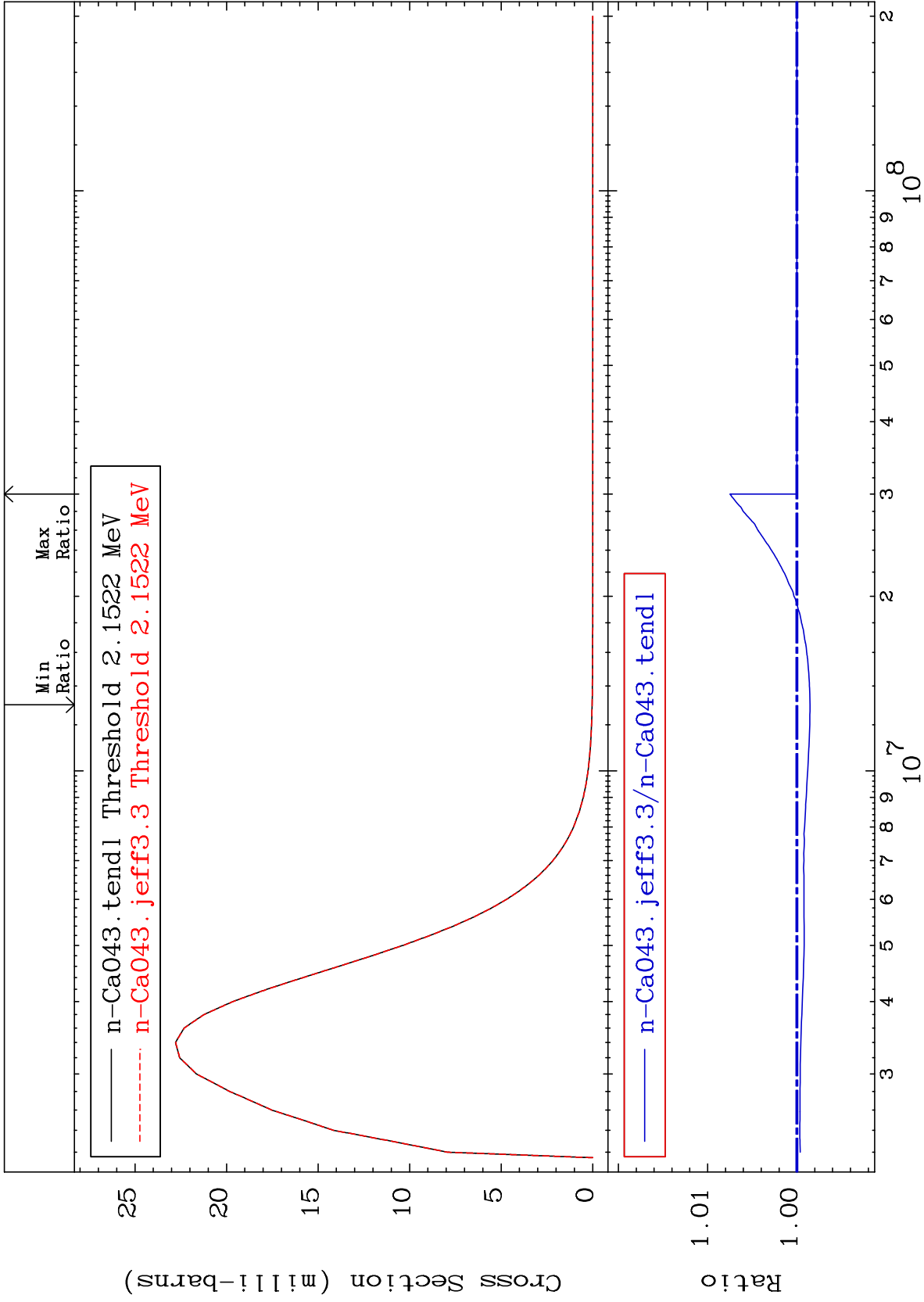
MAT 2034

MT= 62 (n,n') Level

20-Ca-43

-0.146 To 0.751 %

Cross Section



31

Incident Energy (eV)

20-Ca-43

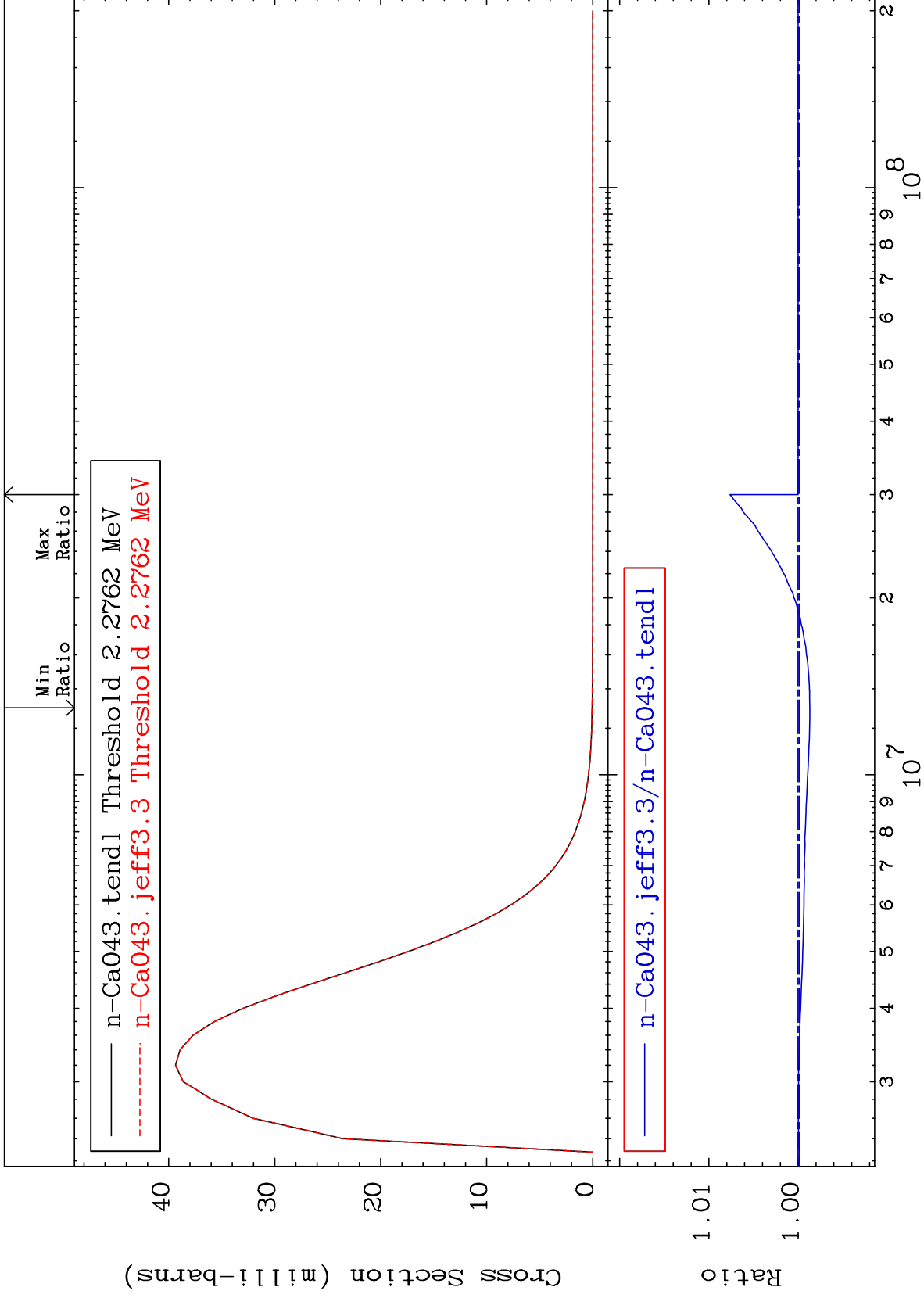
MAT 2034

MT= 63 (n,n') Level

20-Ca-43

-0.131 To 0.764 %

Cross Section

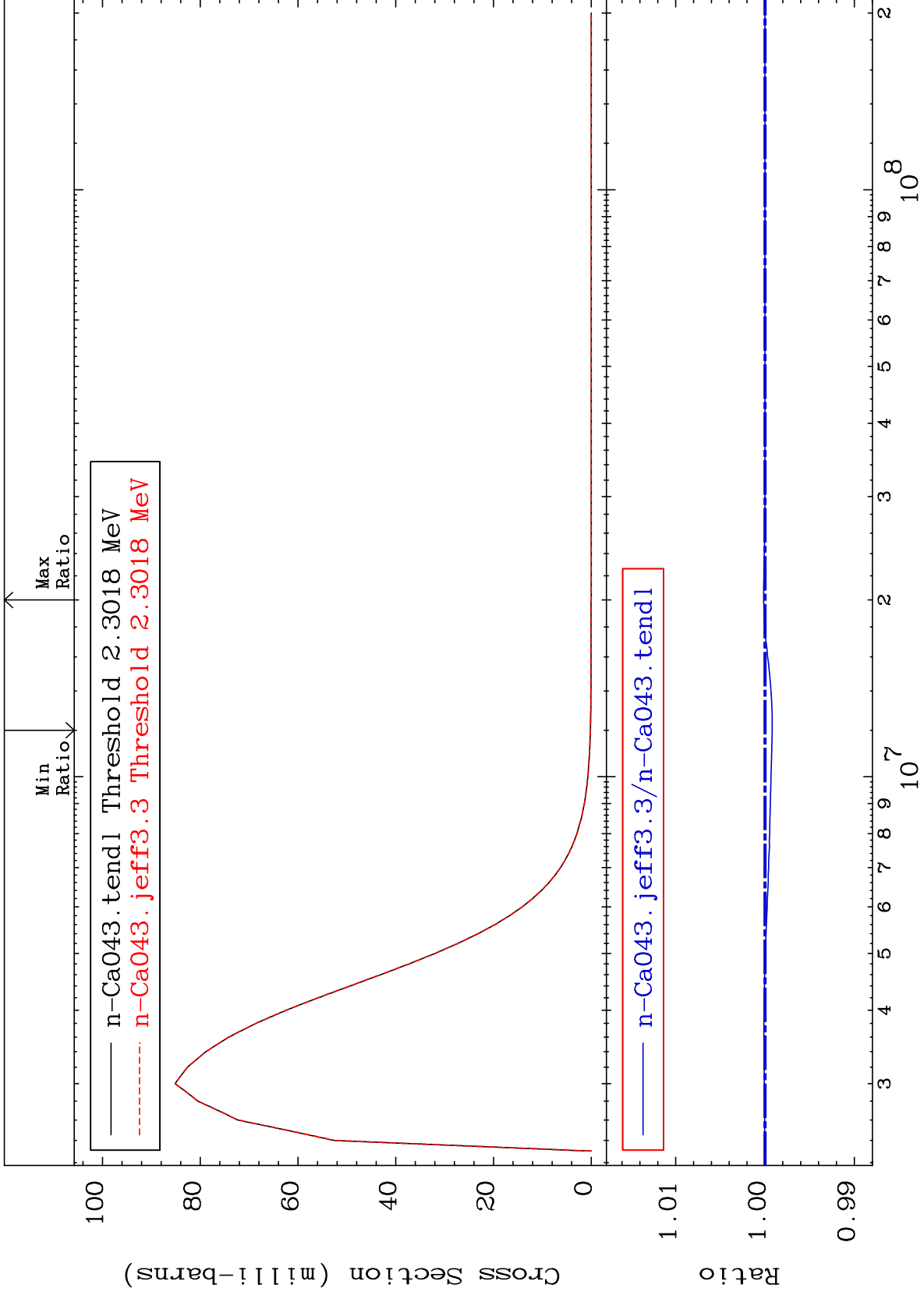




MAT 2034

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

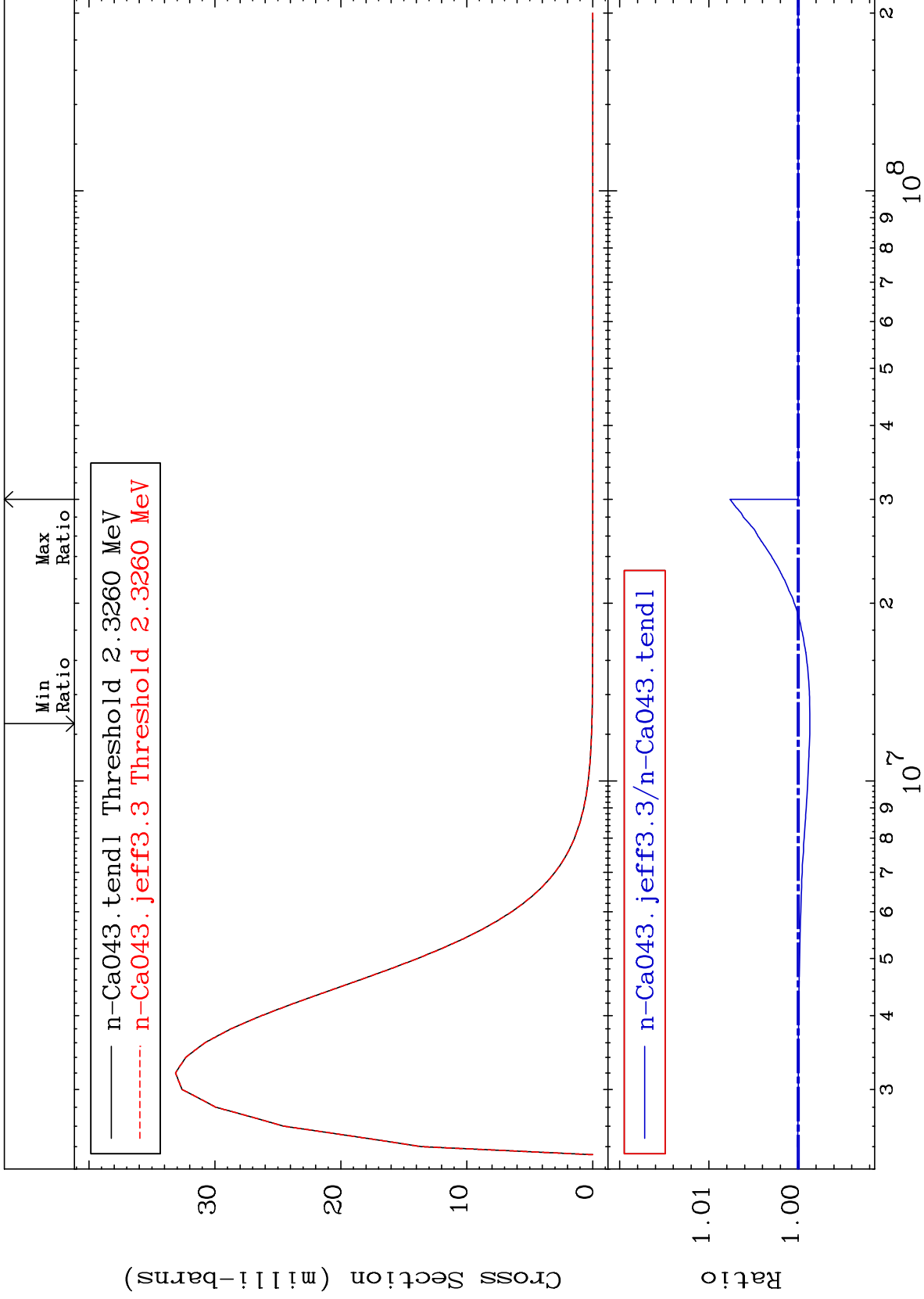
20-Ca-43  
-0.081 To 0.014 %



MAT 2034

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

20-Ca-43  
-0.131 To 0.765 %



34

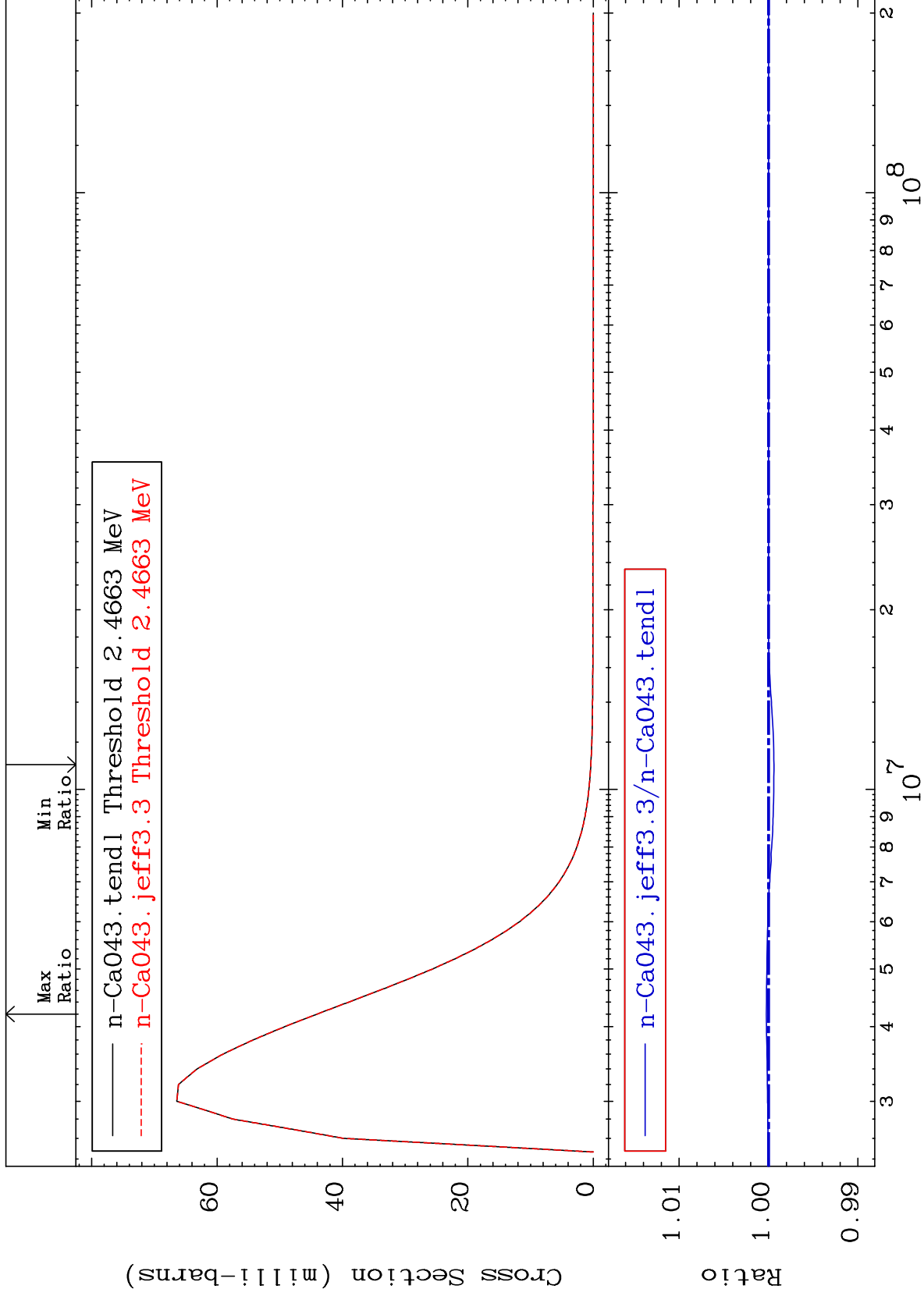
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.060 To 0.024 %



35

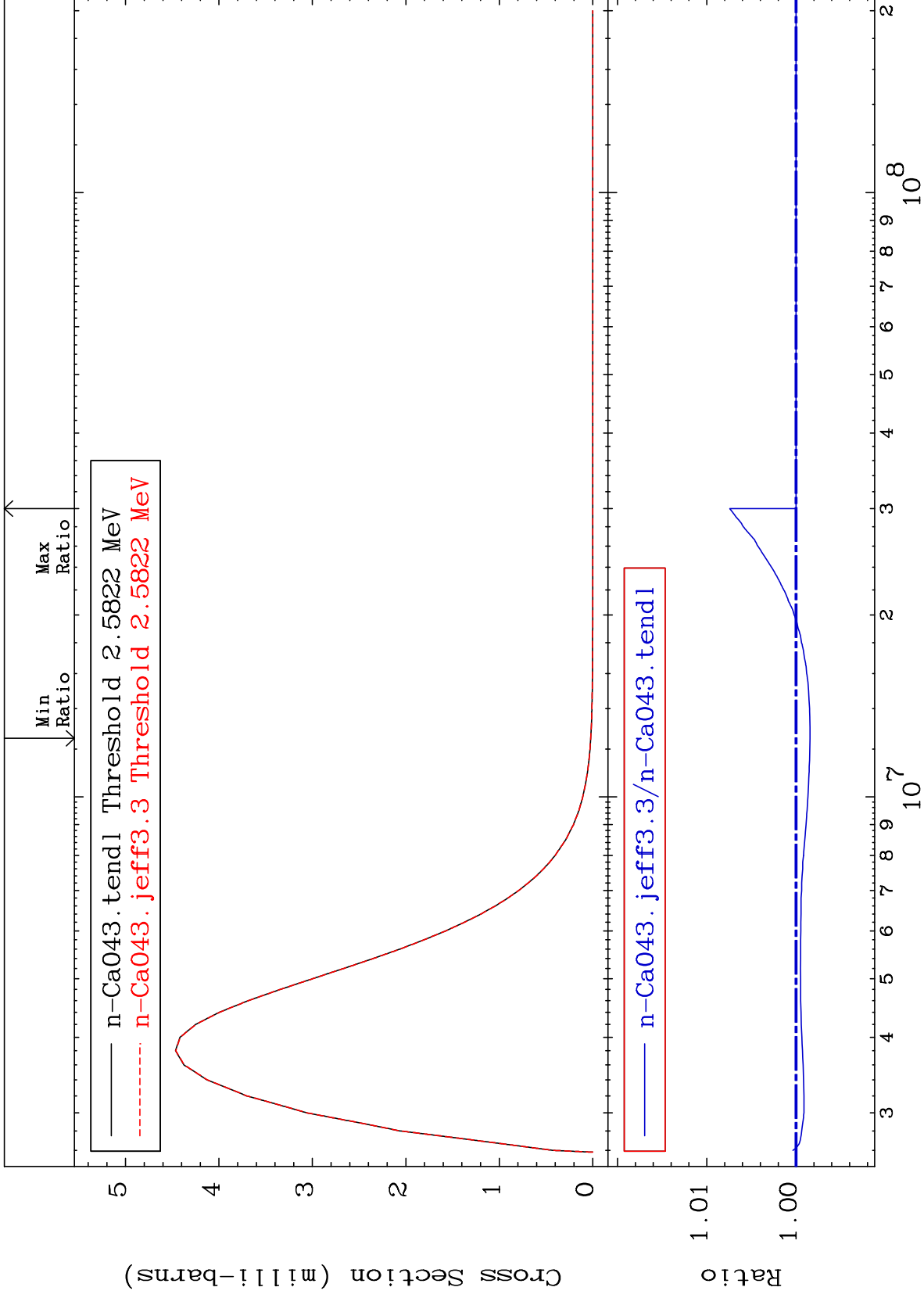
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.156 To 0.743 %



36

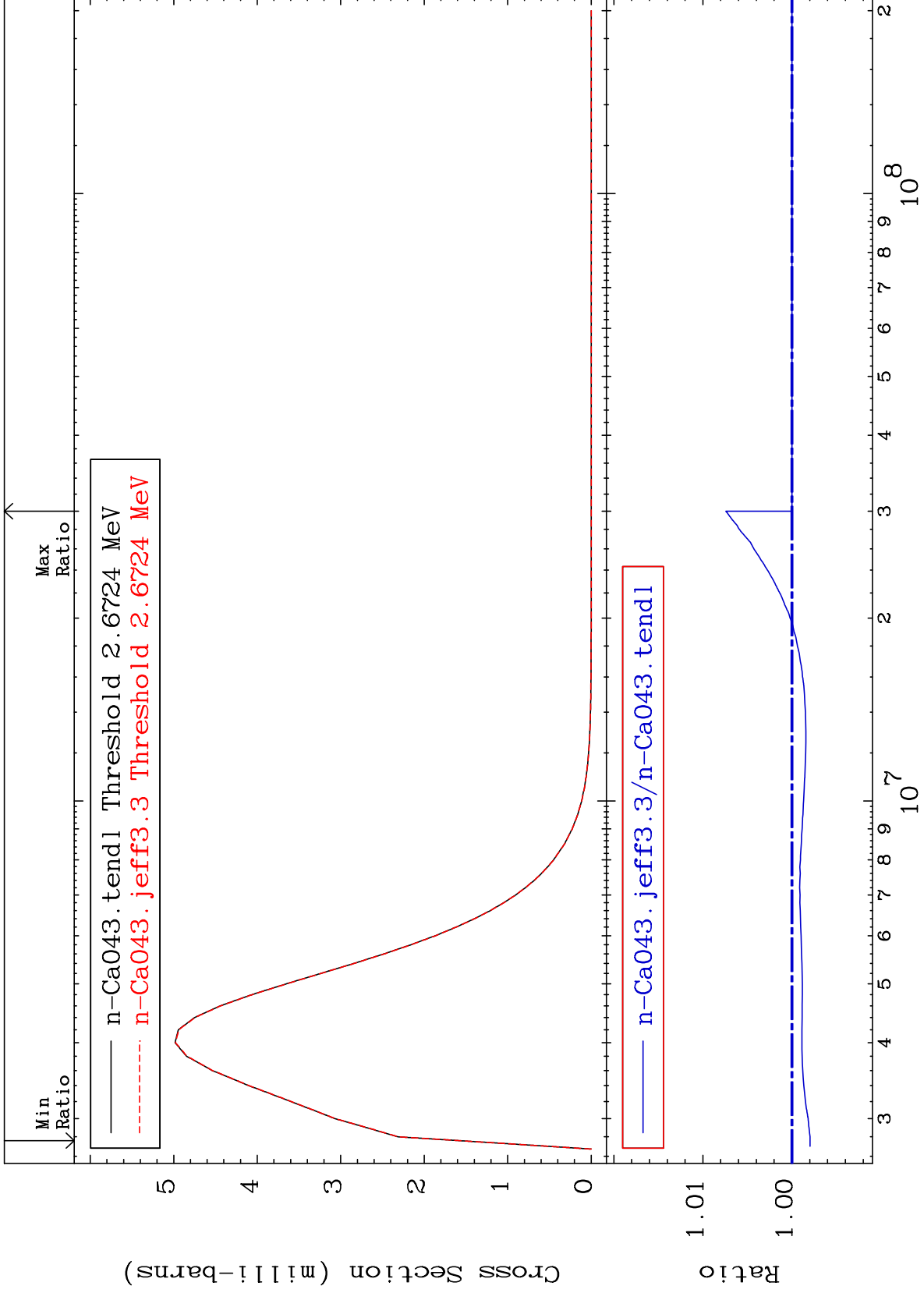
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.203 To 0.742 %



37

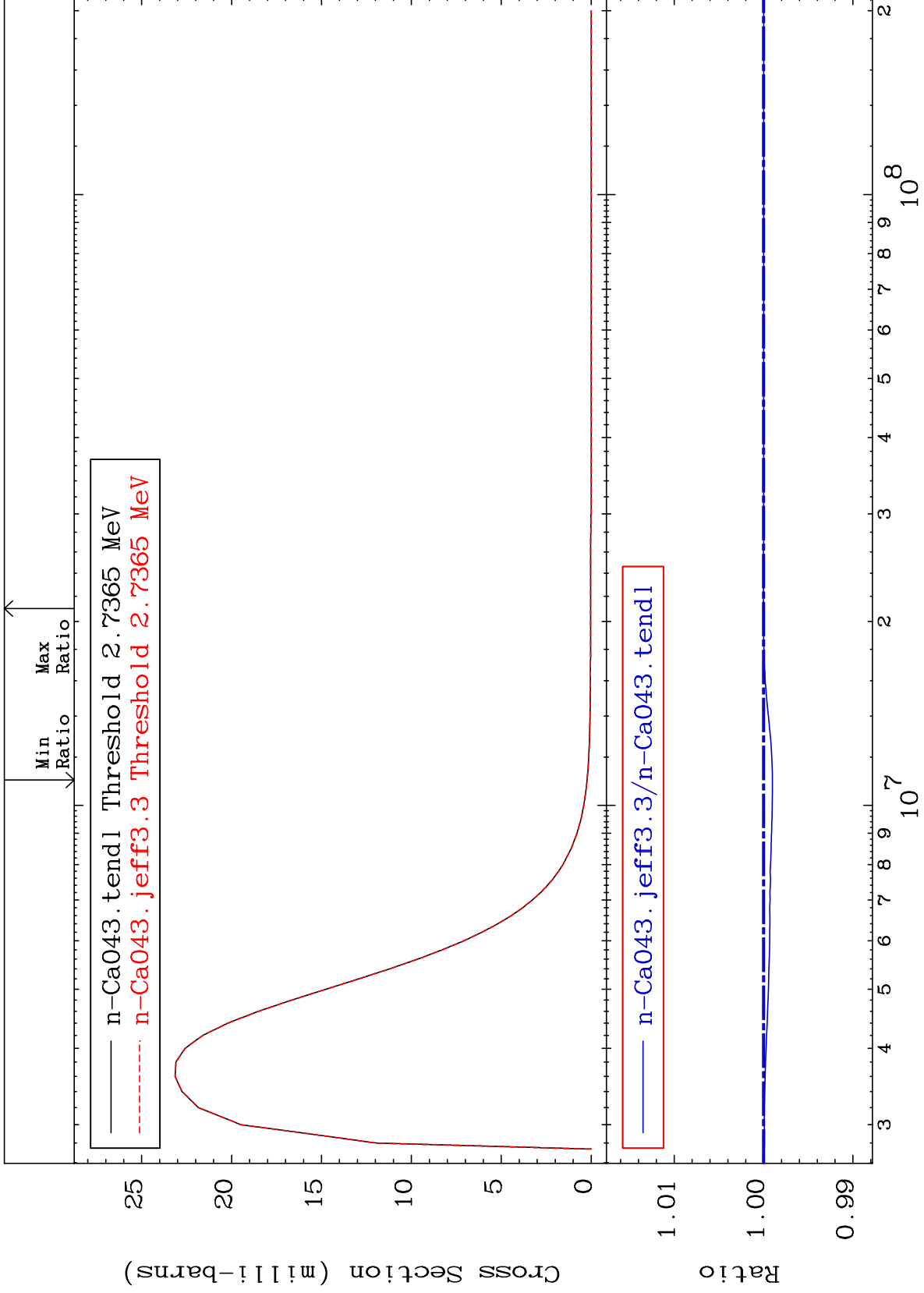
Incident Energy (eV)

20-Ca-43

MAT 2034

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

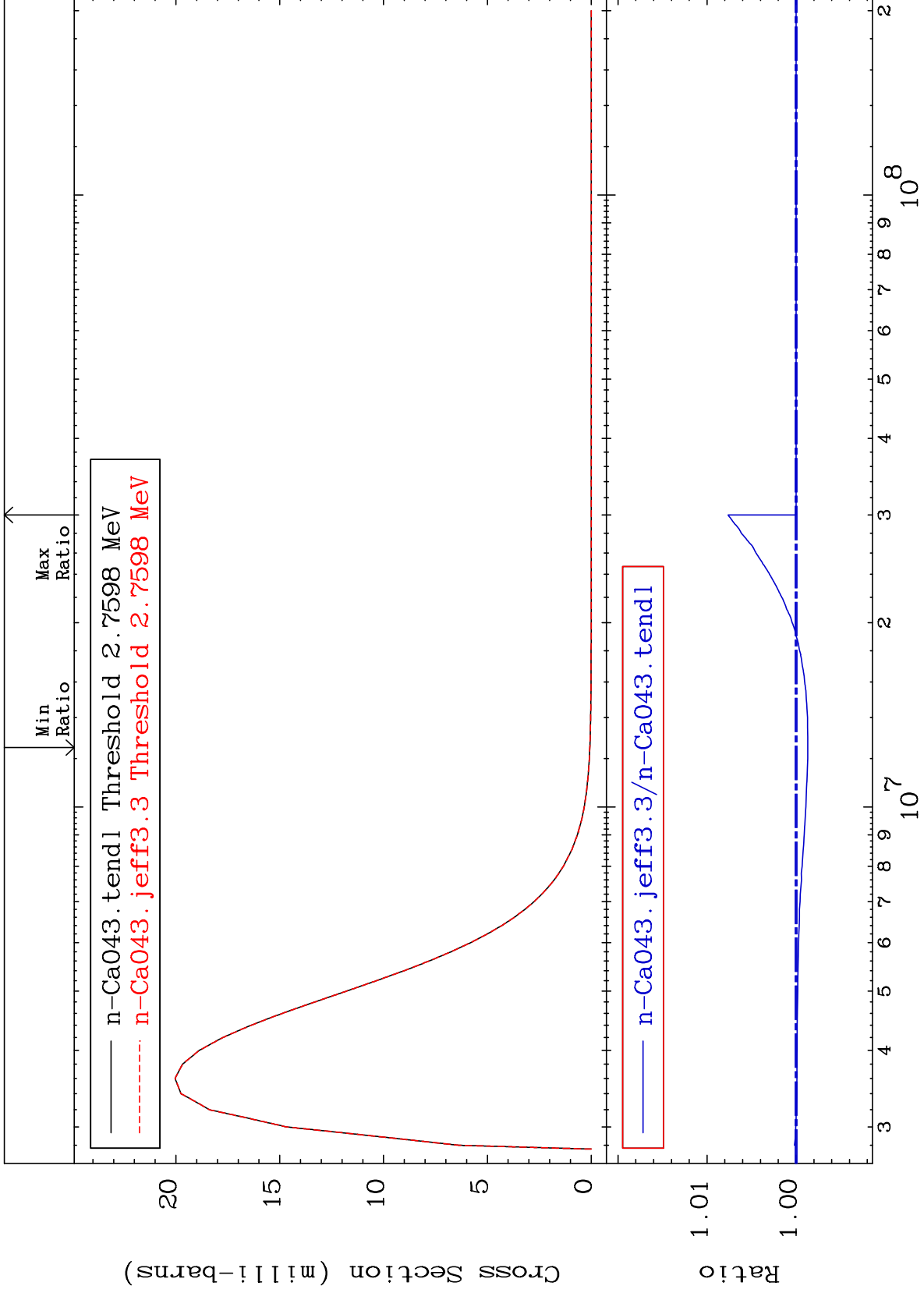
20-Ca-43  
-0.099 To 0.002 %



MAT 2034

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

20-Ca-43  
-0.132 To 0.764 %



39

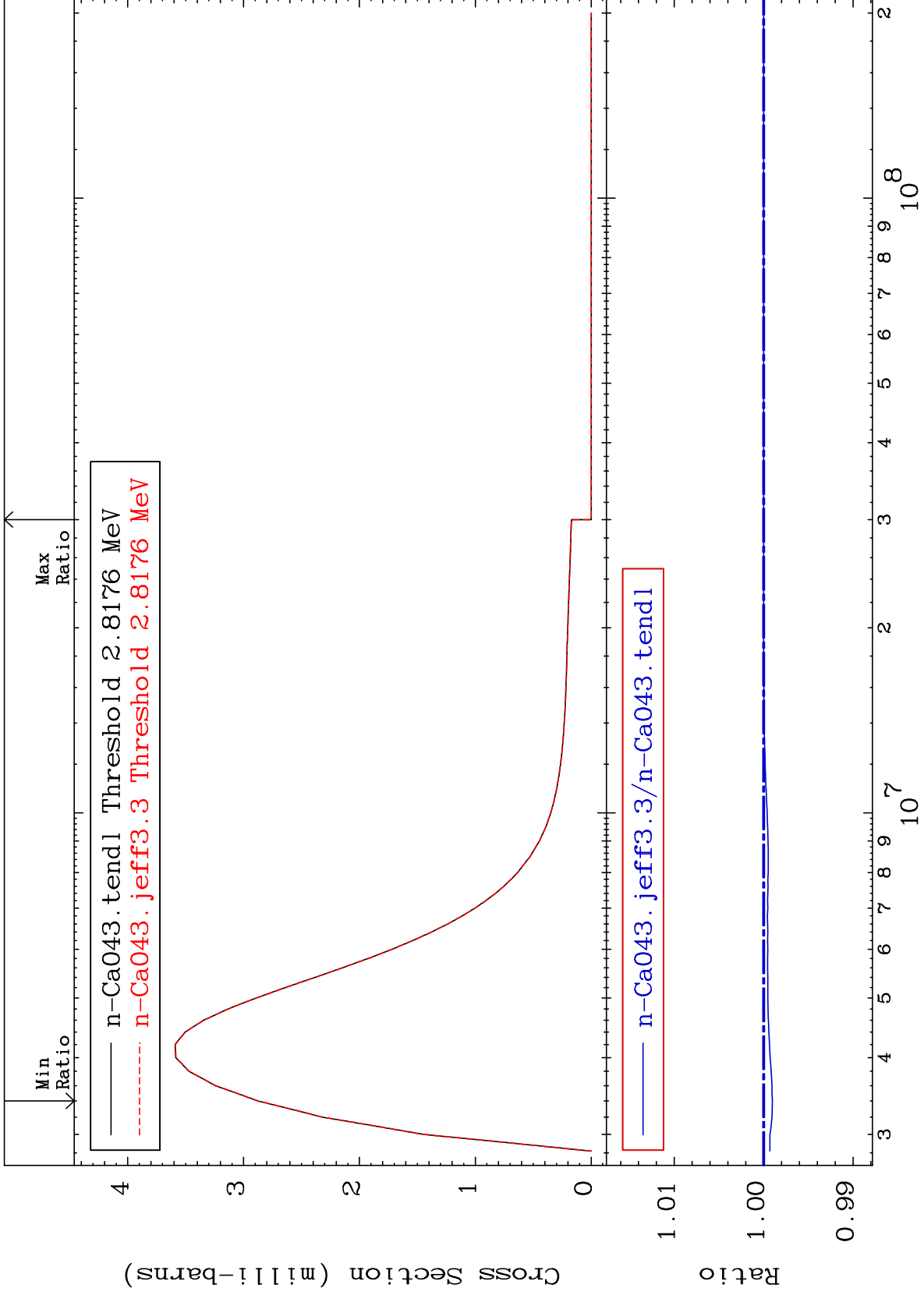
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.097 To 0.000 %

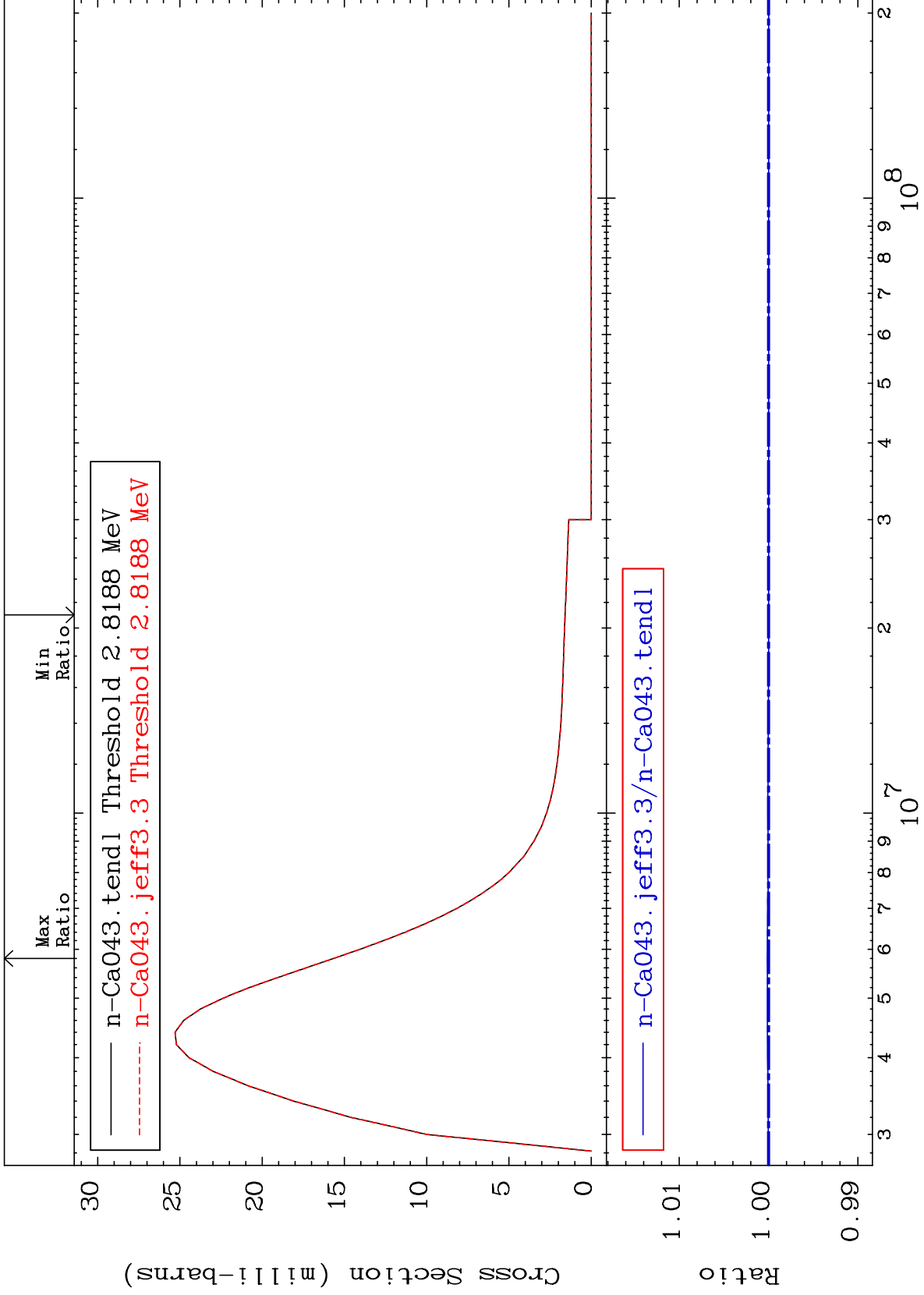




MAT 2034

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

20-Ca-43  
0.000 To 0.015 %



41

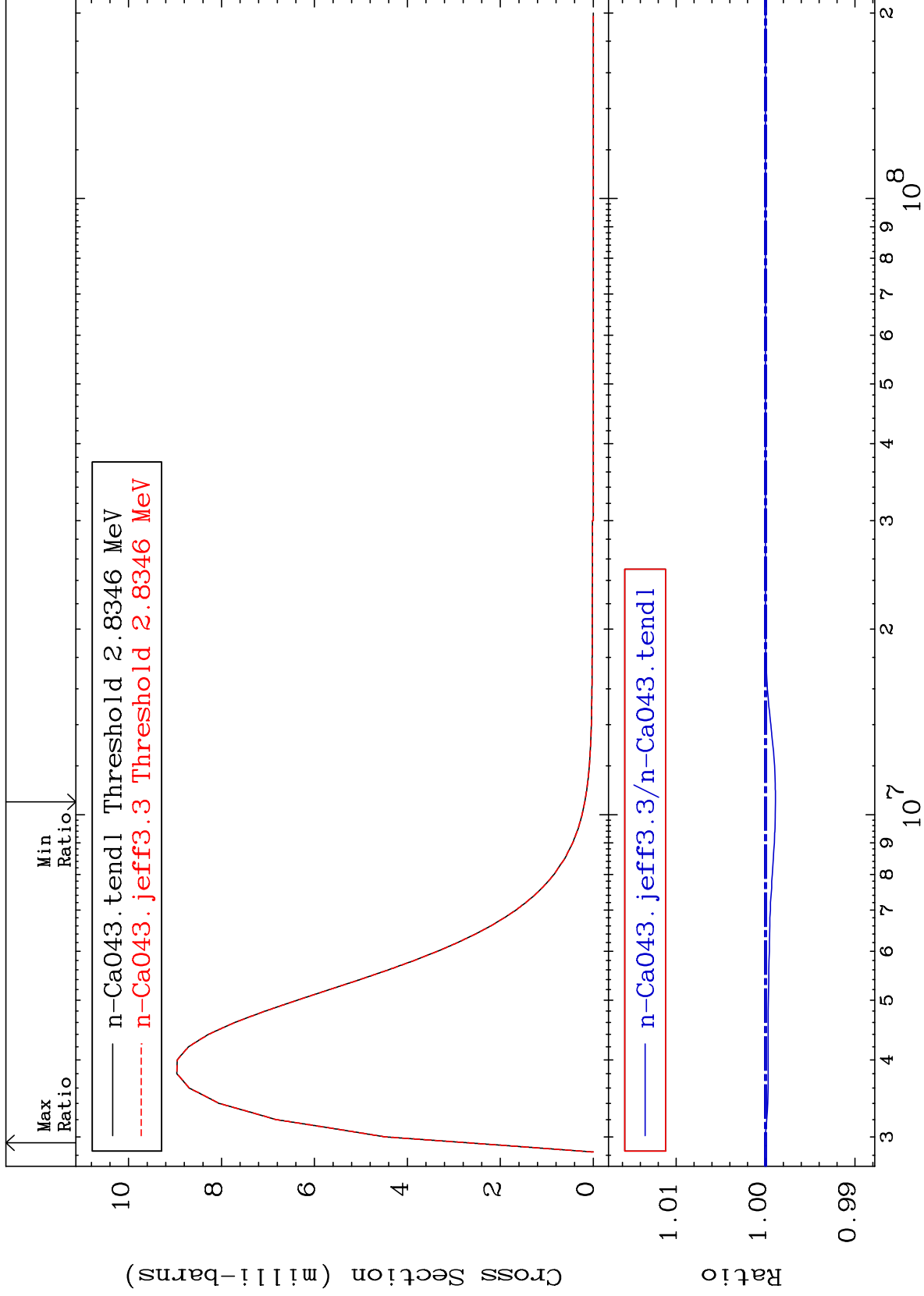
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.110 To 0.007 %



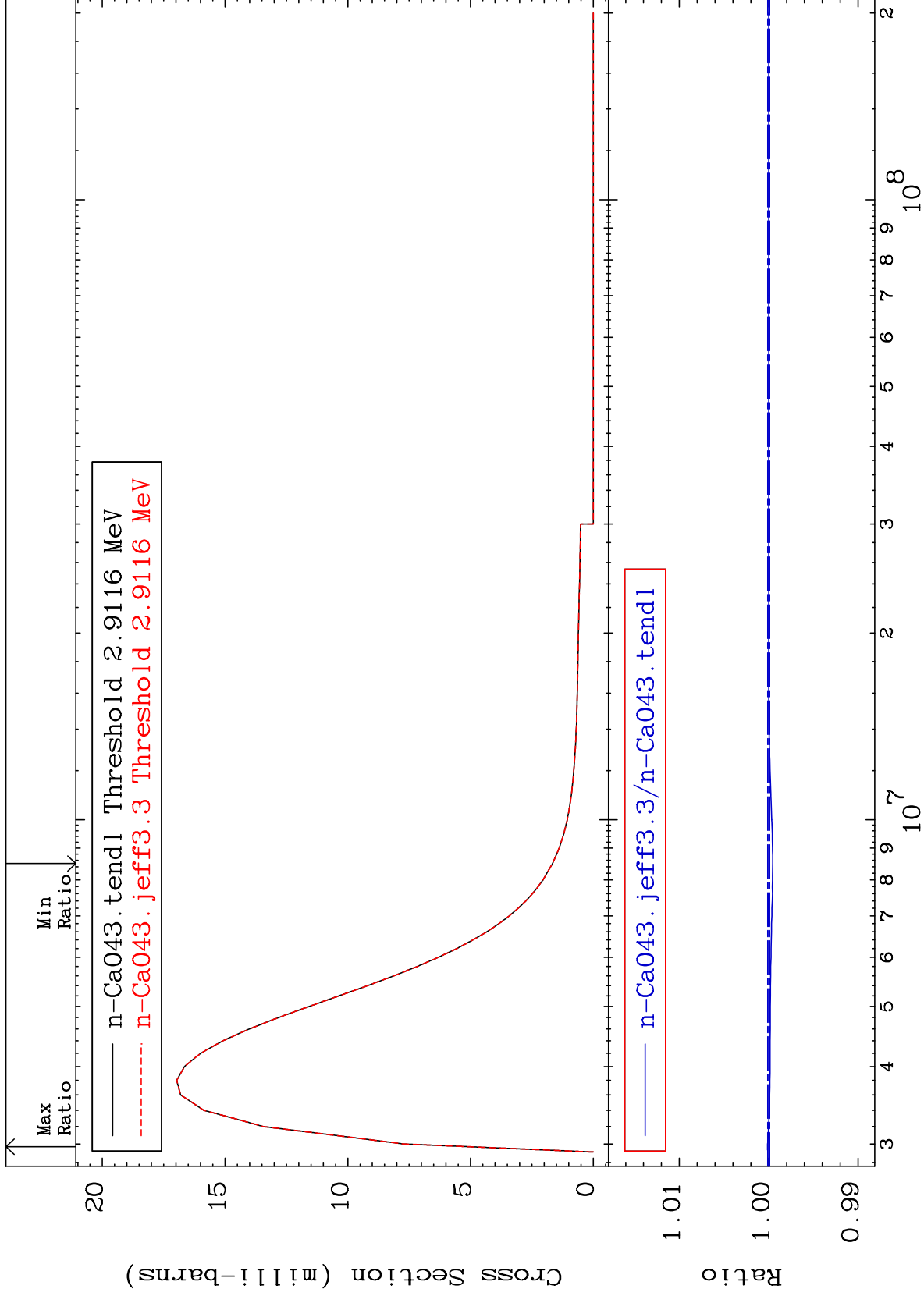
42

20-Ca-43

MAT 2034

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

20-Ca-43  
-0.045 To 0.012 %



43

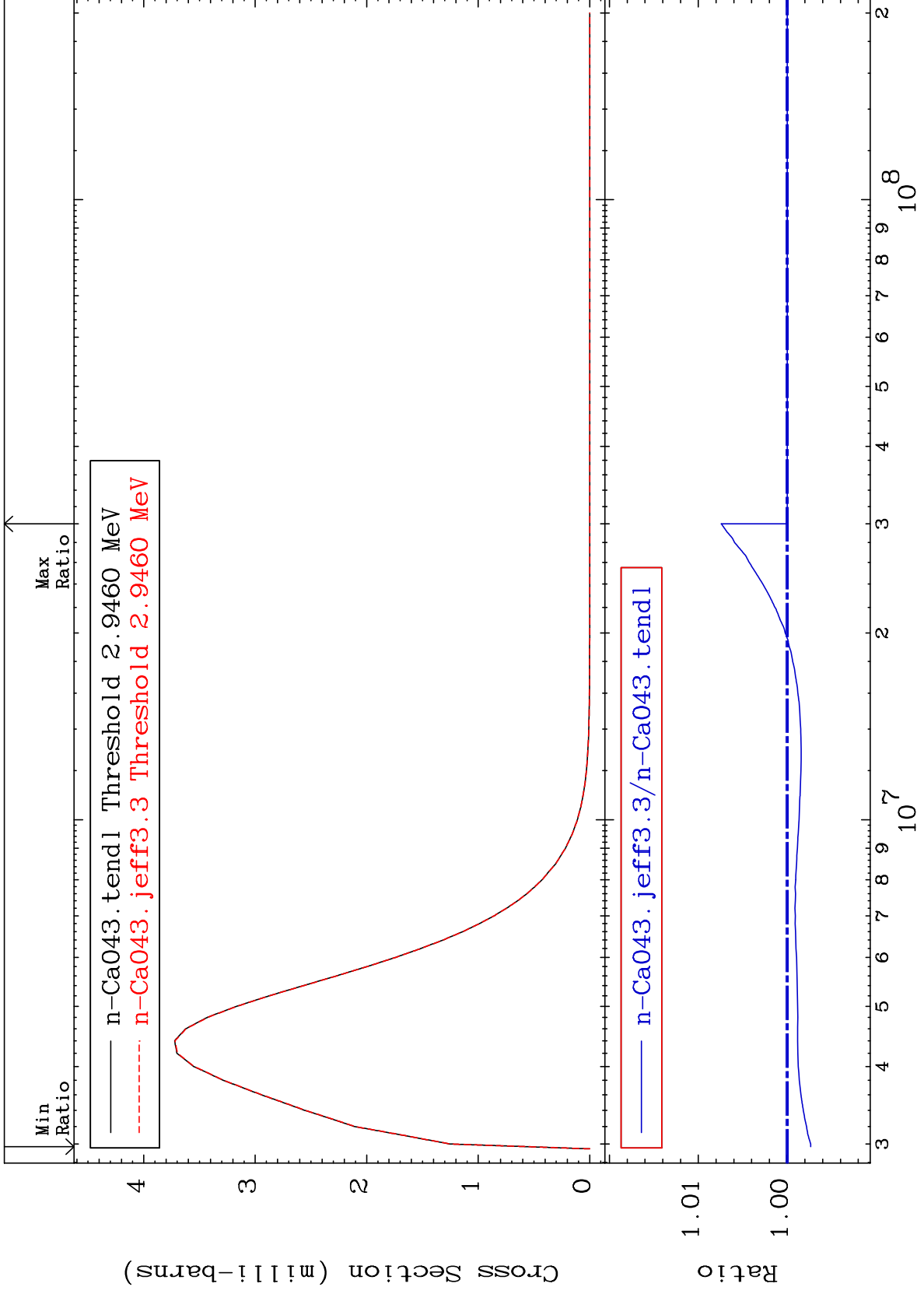
Incident Energy (eV)

20-Ca-43

MAT 2034

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

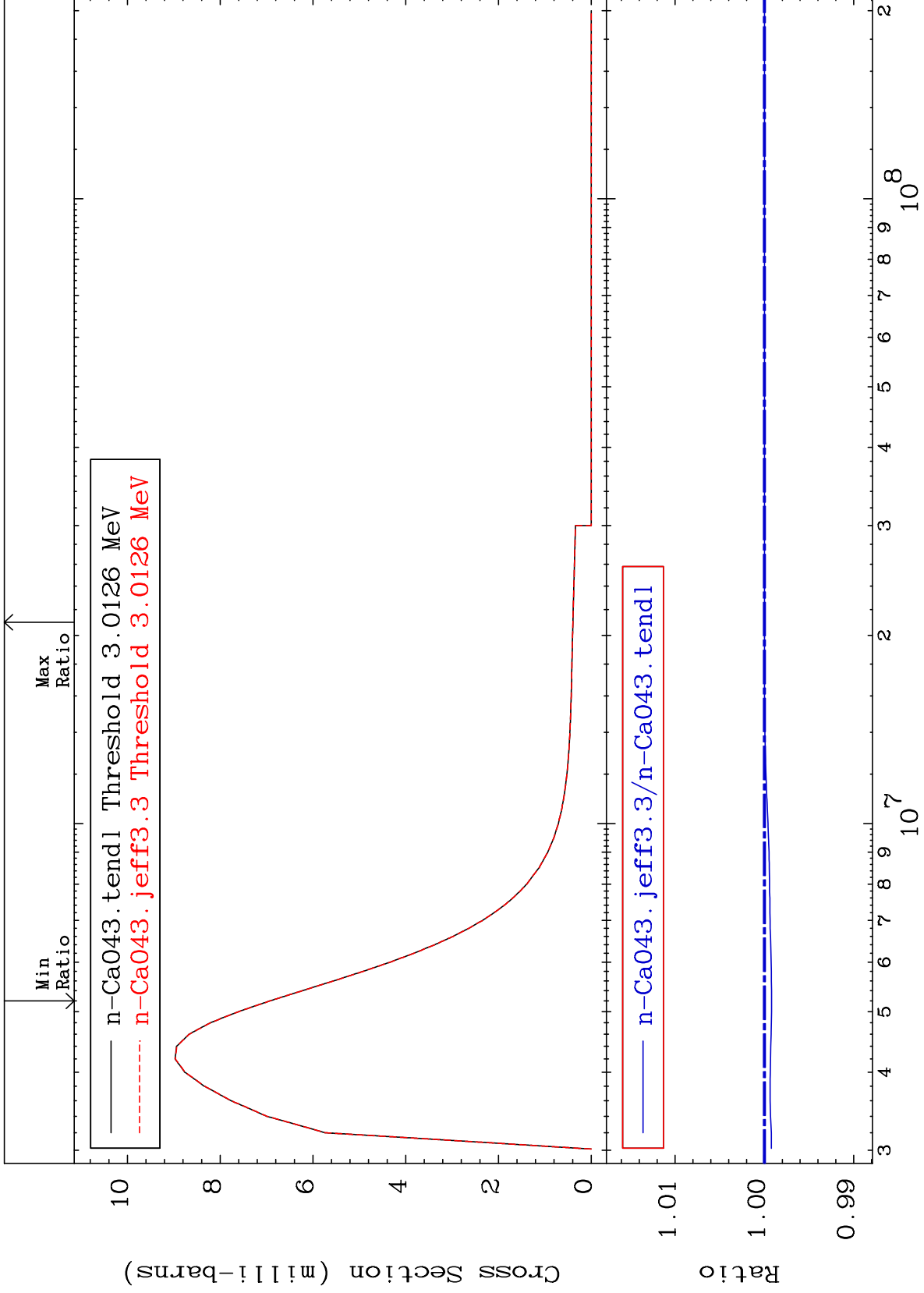
20-Ca-43  
-0.265 To 0.741 %



MAT 2034

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

20-Ca-43  
-0.079 To 0.000 %



45

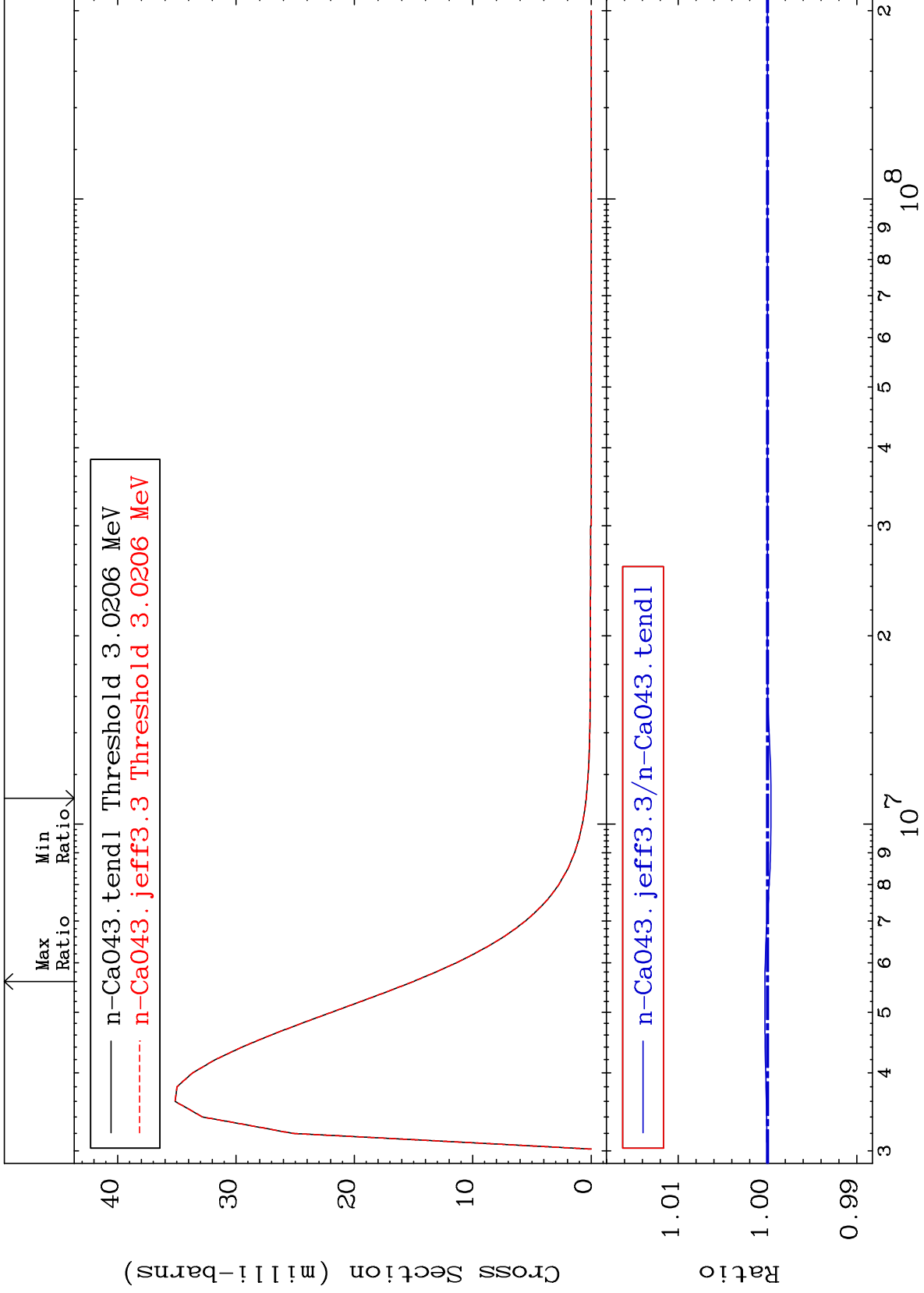
Incident Energy (eV)

20-Ca-43

MAT 2034

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

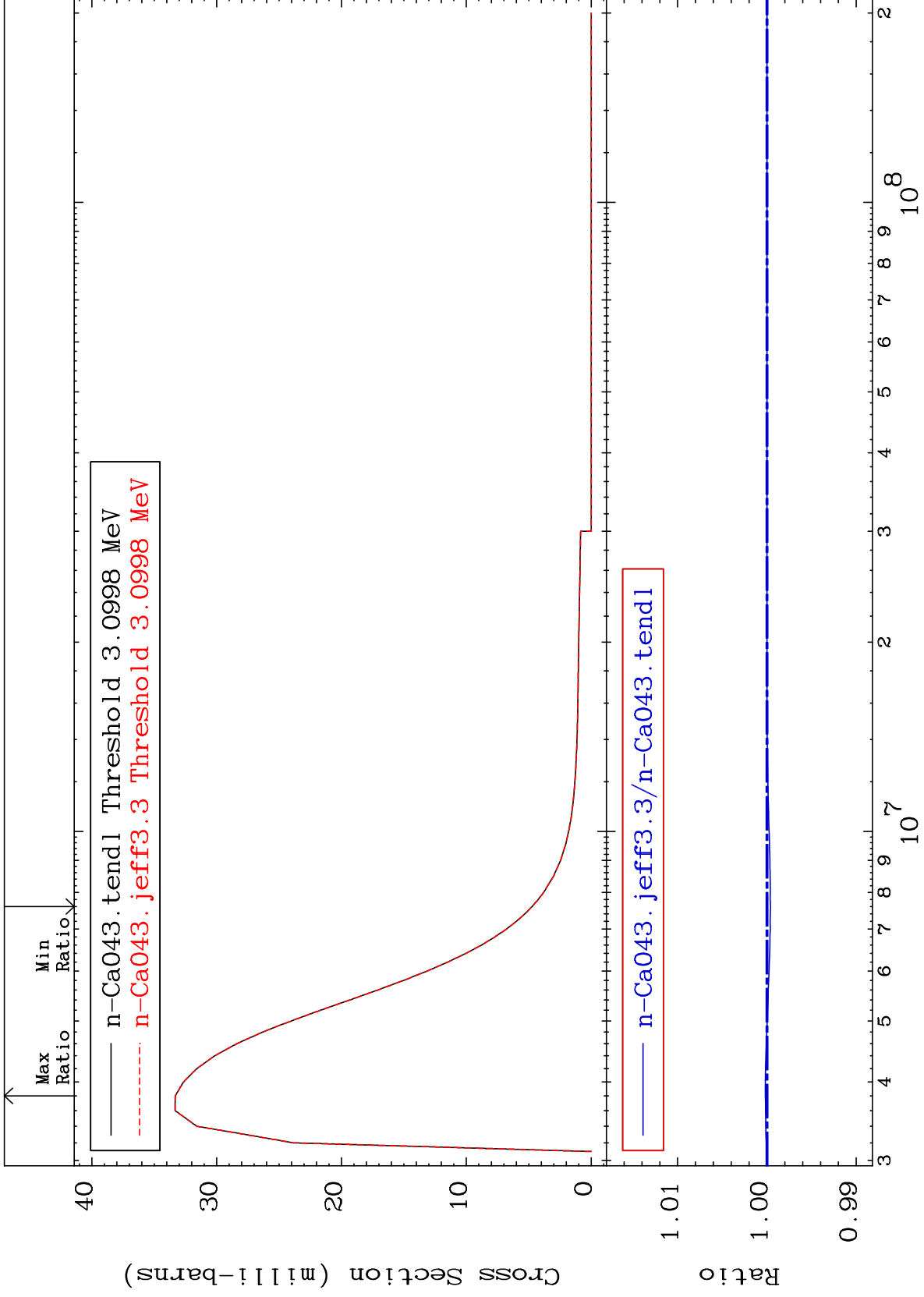
20-Ca-43  
-0.039 To 0.029 %



MAT 2034

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

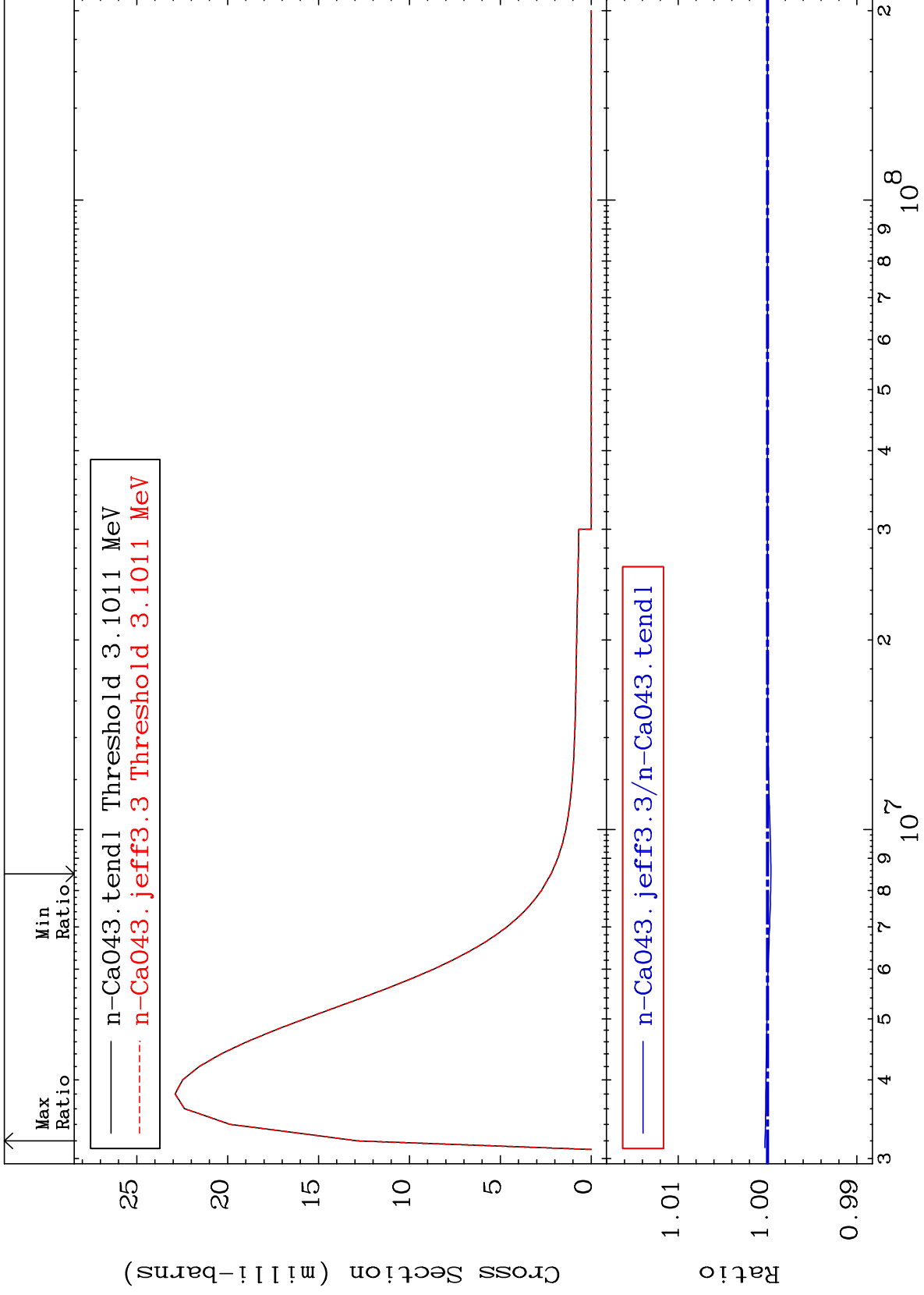
20-Ca-43  
-0.040 To 0.018 %



MAT 2034

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

20-Ca-43  
-0.039 To 0.028 %



48

Incident Energy (eV)

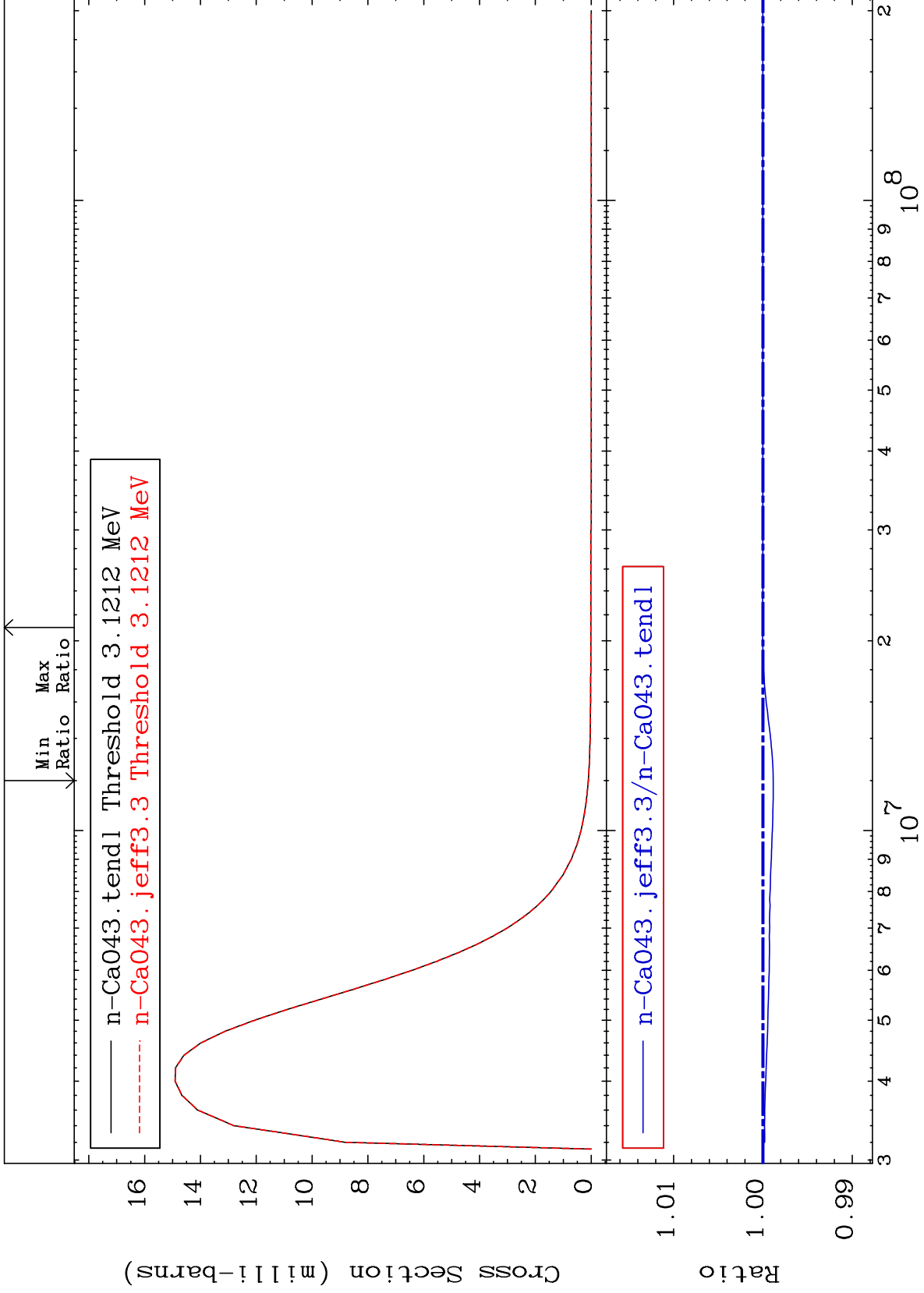
20-Ca-43



MAT 2034

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

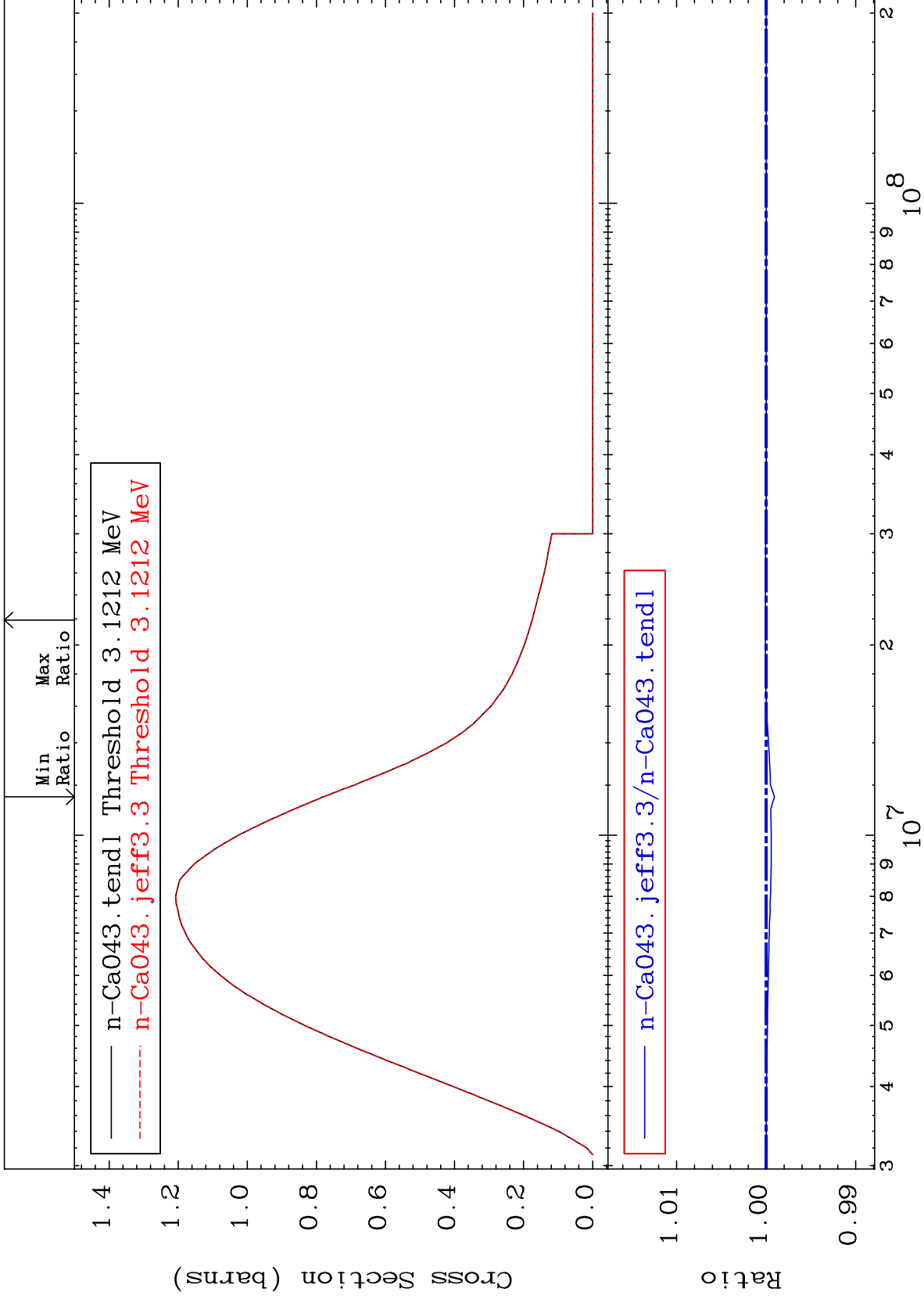
20-Ca-43  
-0.117 To 0.004 %

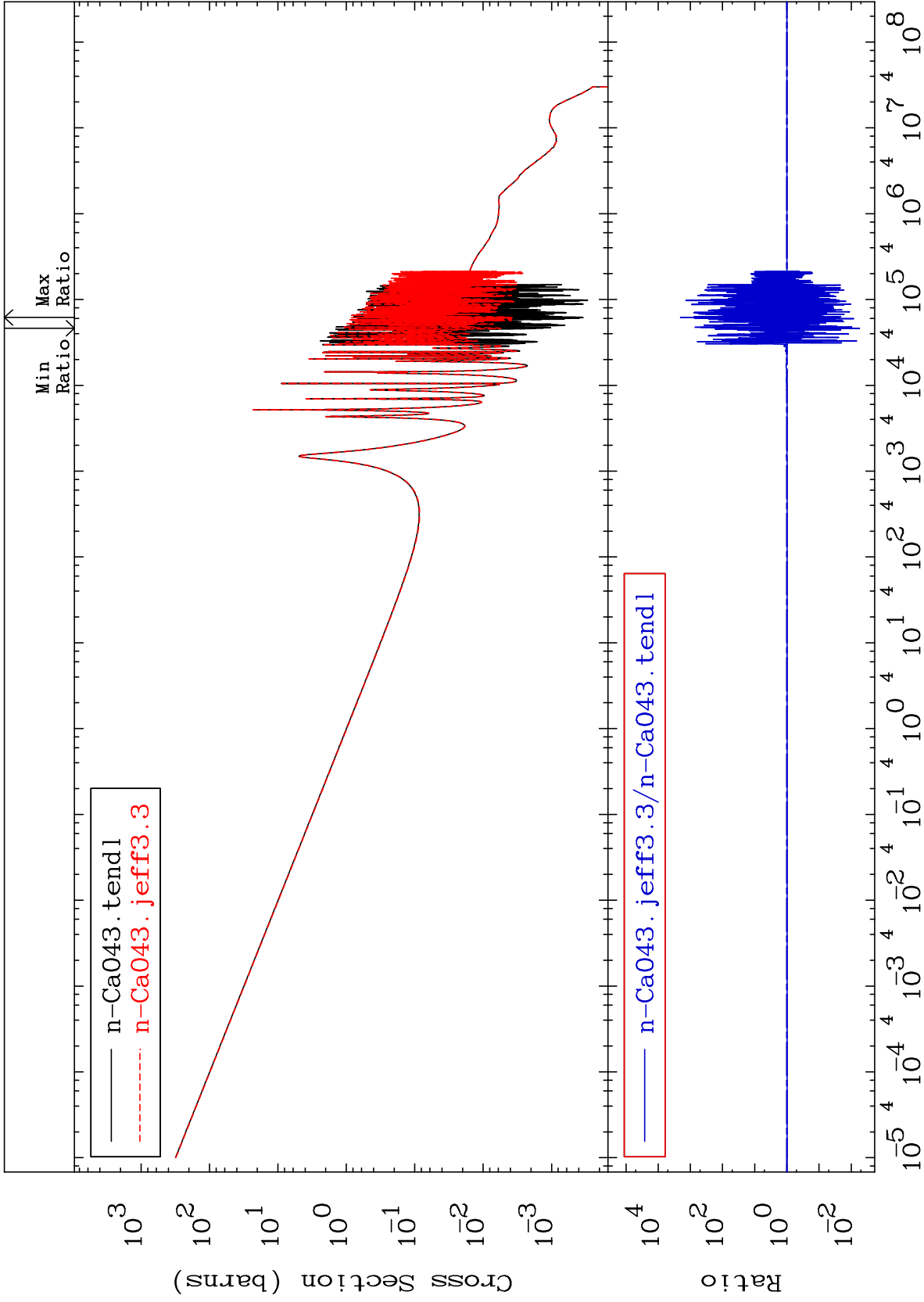


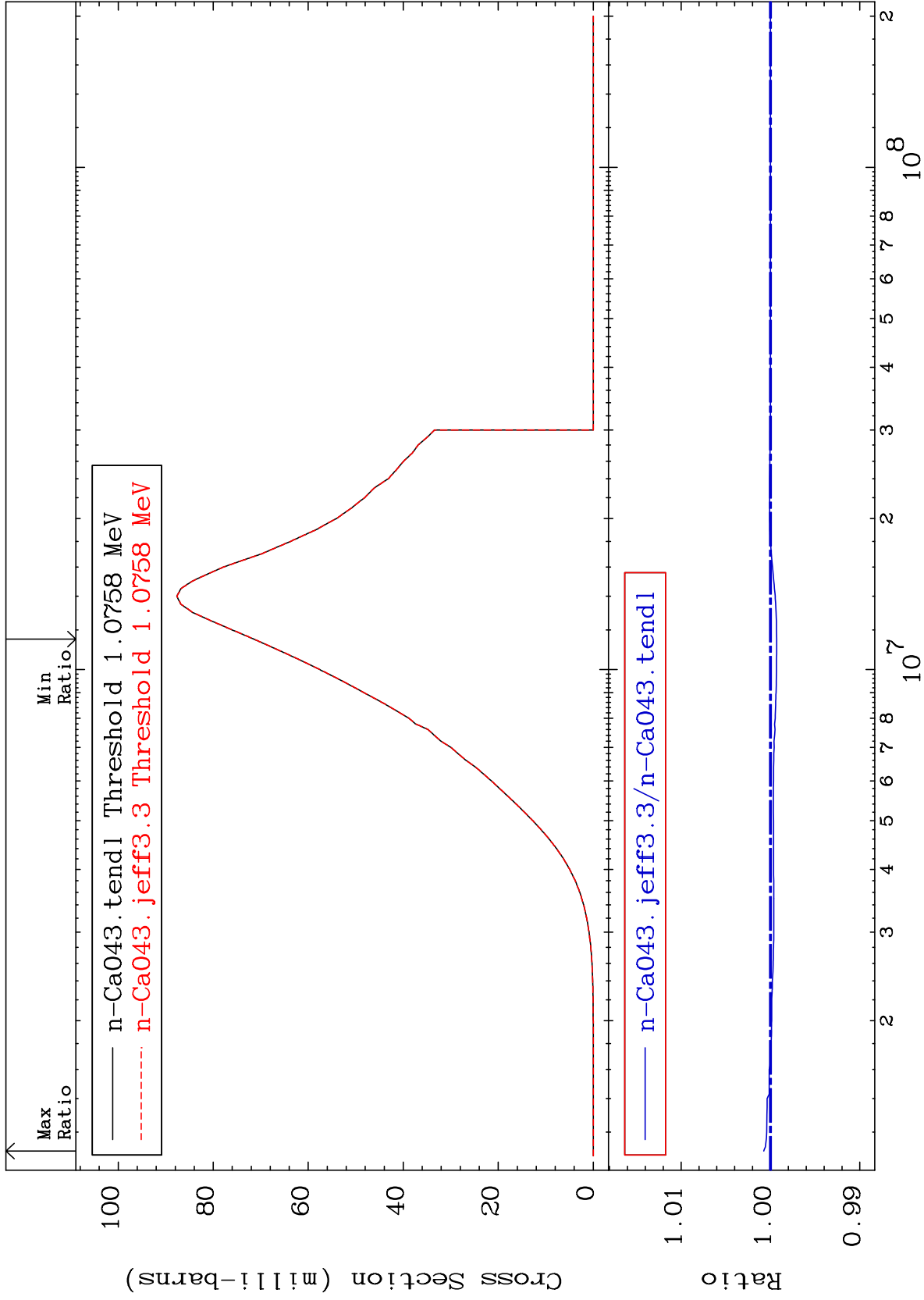
MAT 2034

(n, n') Continuum  
Cross Section

20-Ca-43  
-0.092 To 0.009 %







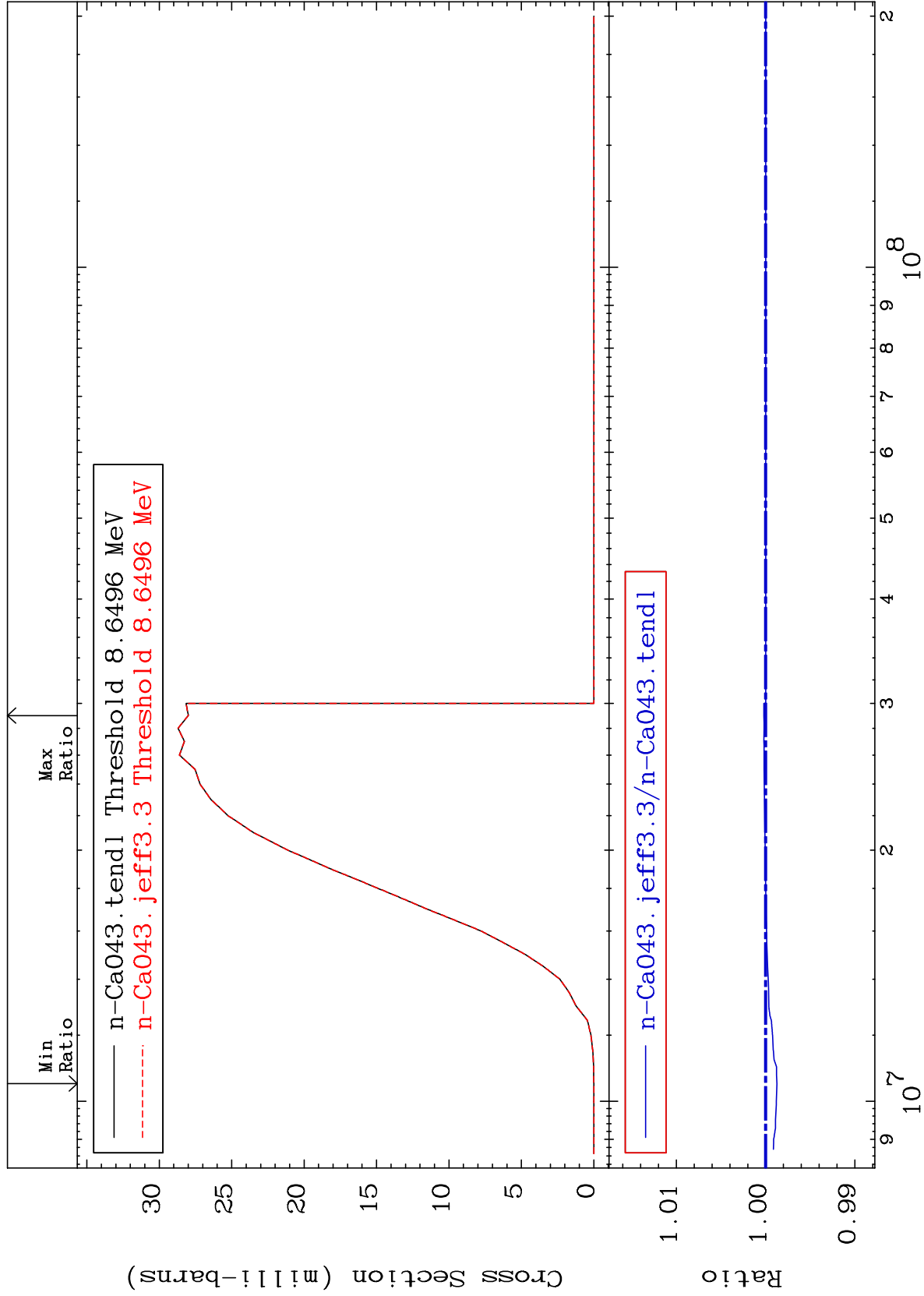
MAT 2034

(n, d)

20-Ca-43

Cross Section

-0.126 To 0.019 %



53

Incident Energy (eV)

20-Ca-43

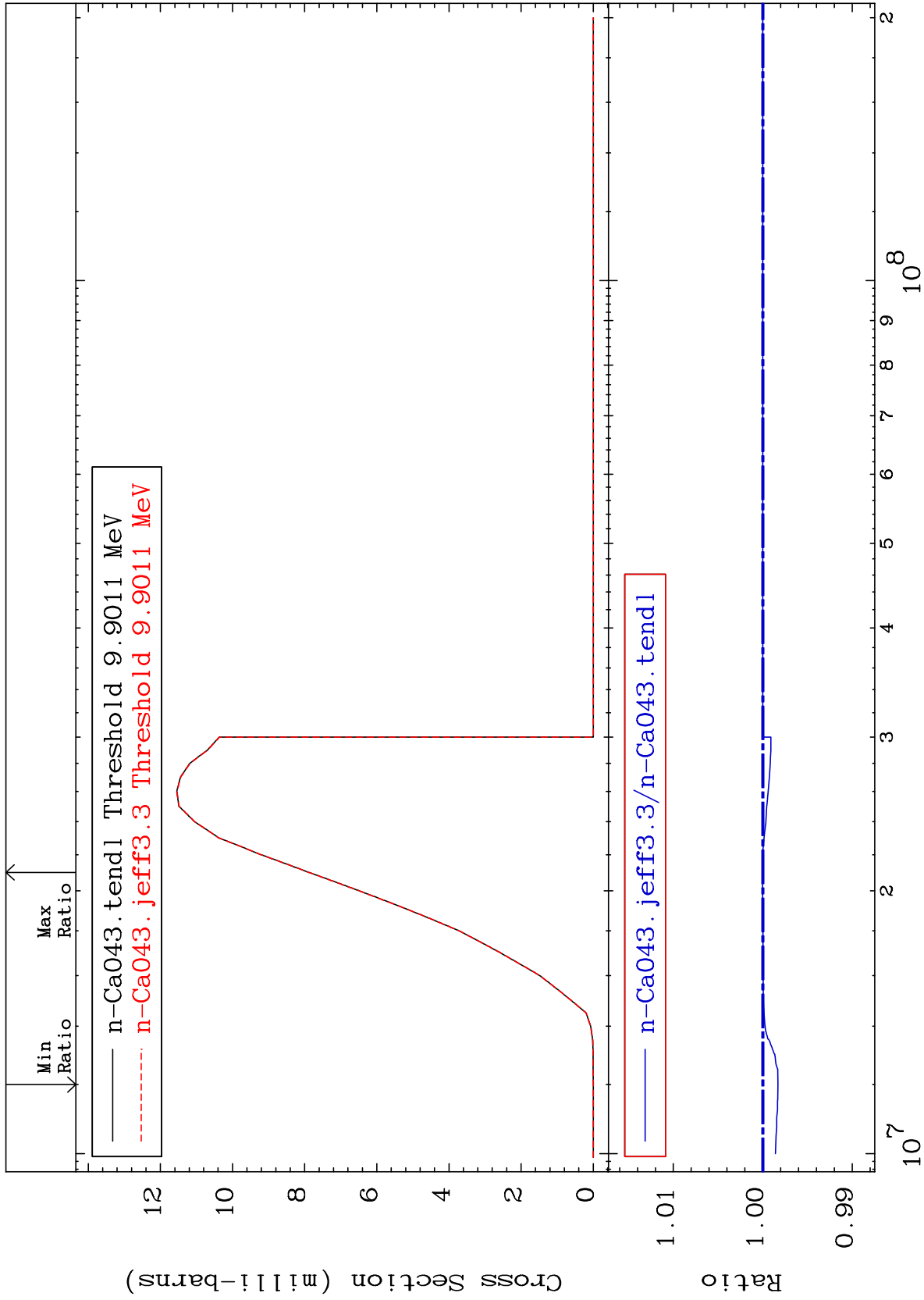
MAT 2034

(n, t)

20-Ca-43

Cross Section

-0.169 To 0.005 %



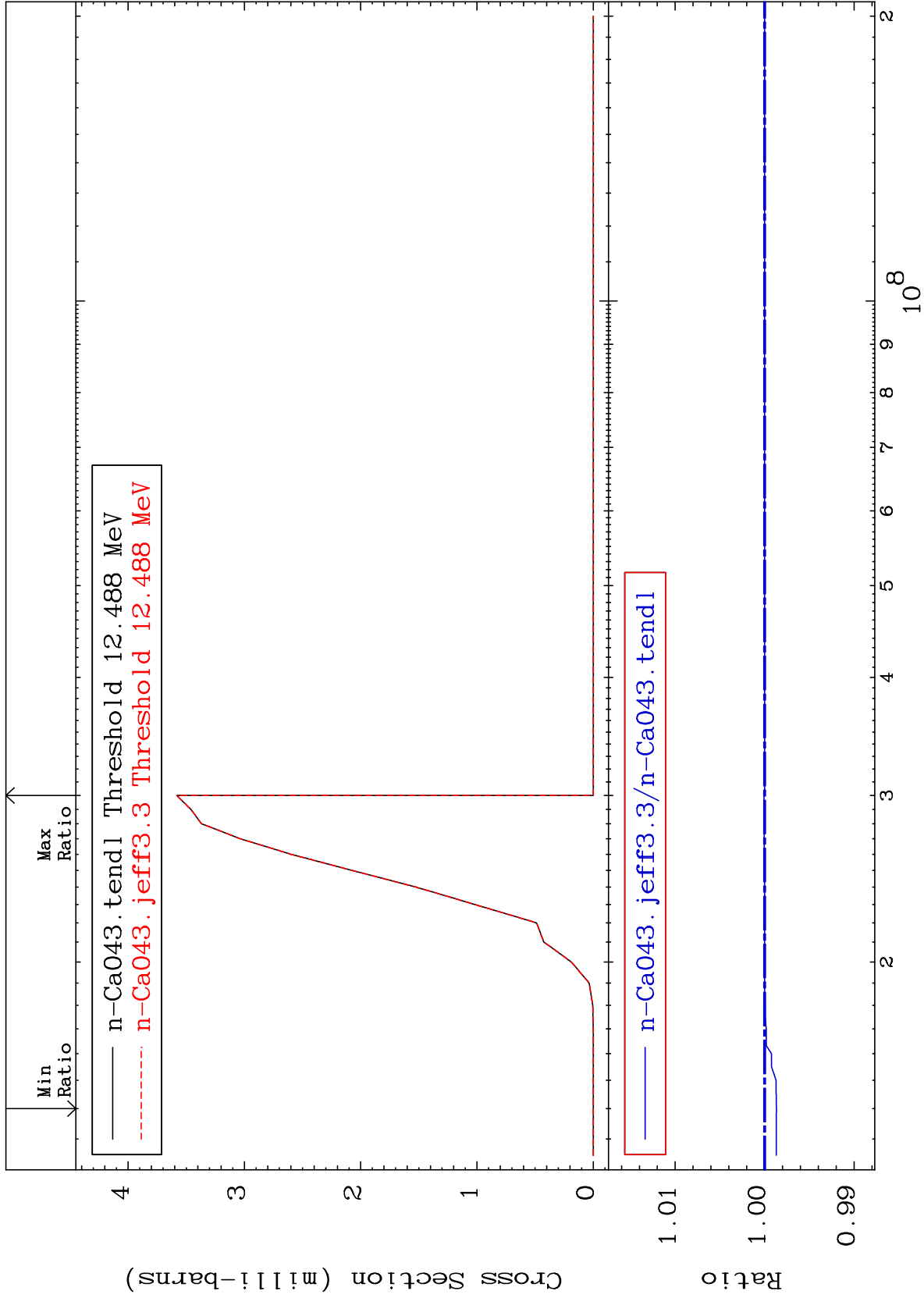
Incident Energy (eV)

20-Ca-43

54

Cross Section

-0.132 To 0.008 %



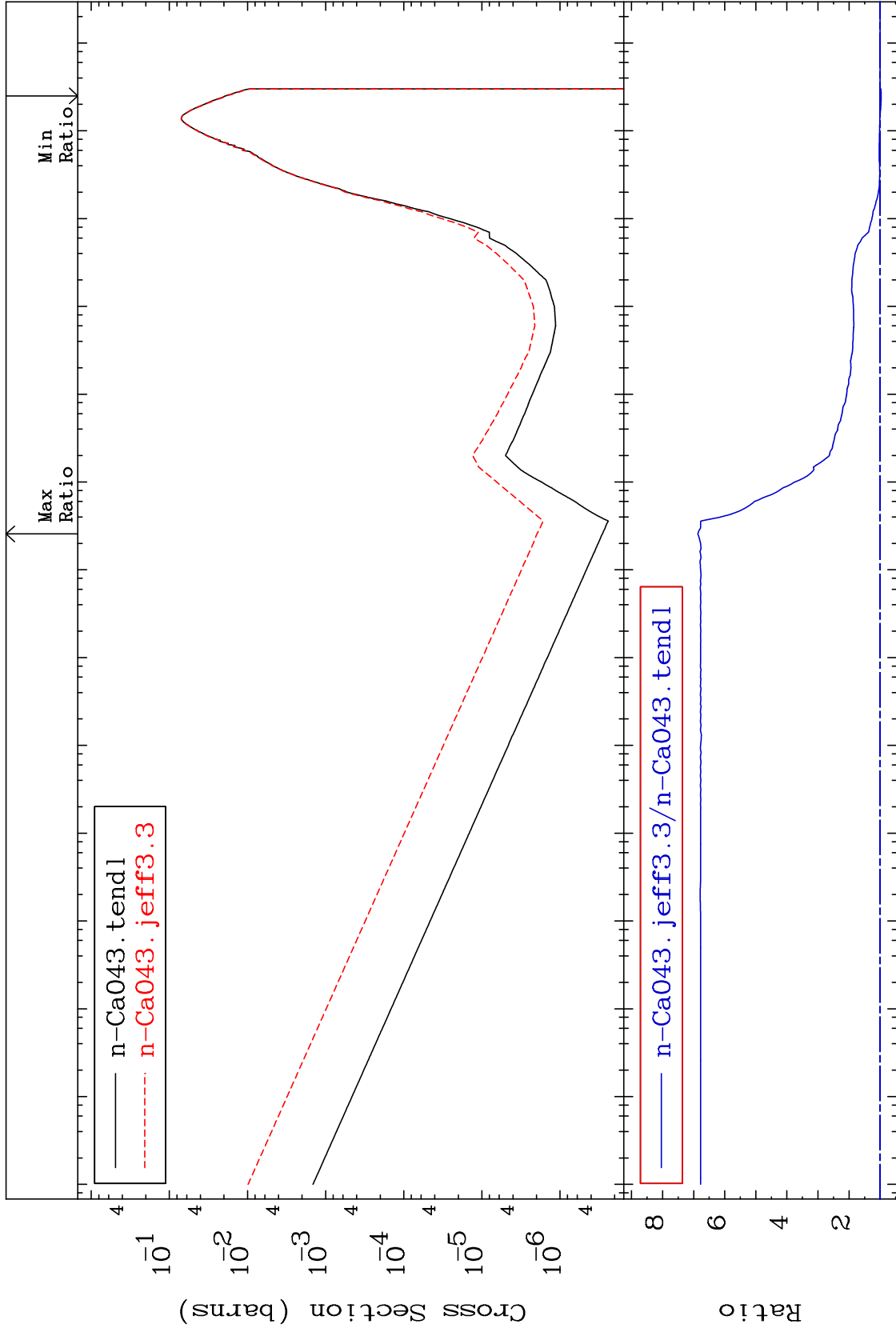
MAT 2034

(n,  $\alpha$ )

20-Ca-43

Cross Section

-3.159 To 586.5 %



56

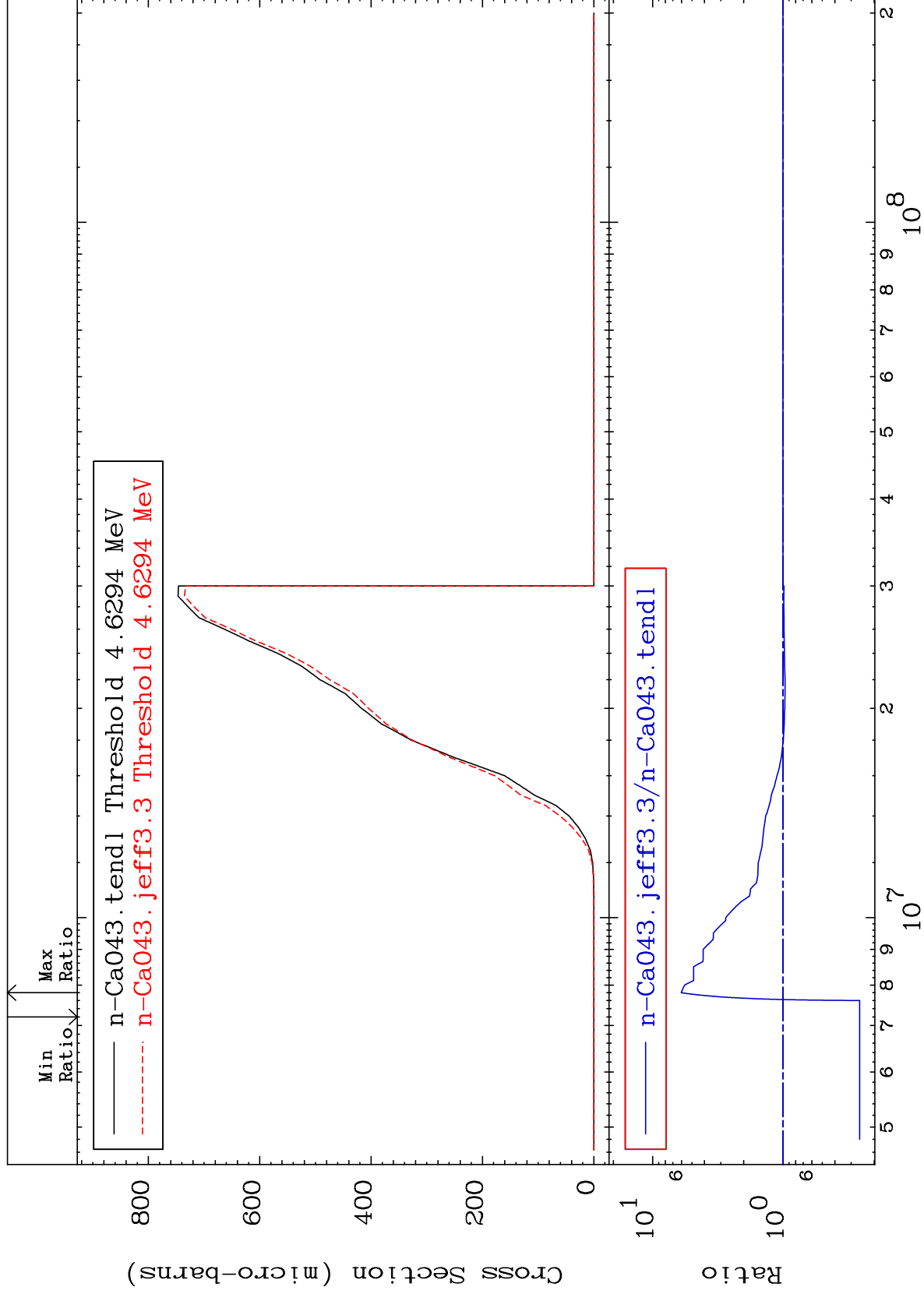
Incident Energy (eV)

20-Ca-43



Cross Section

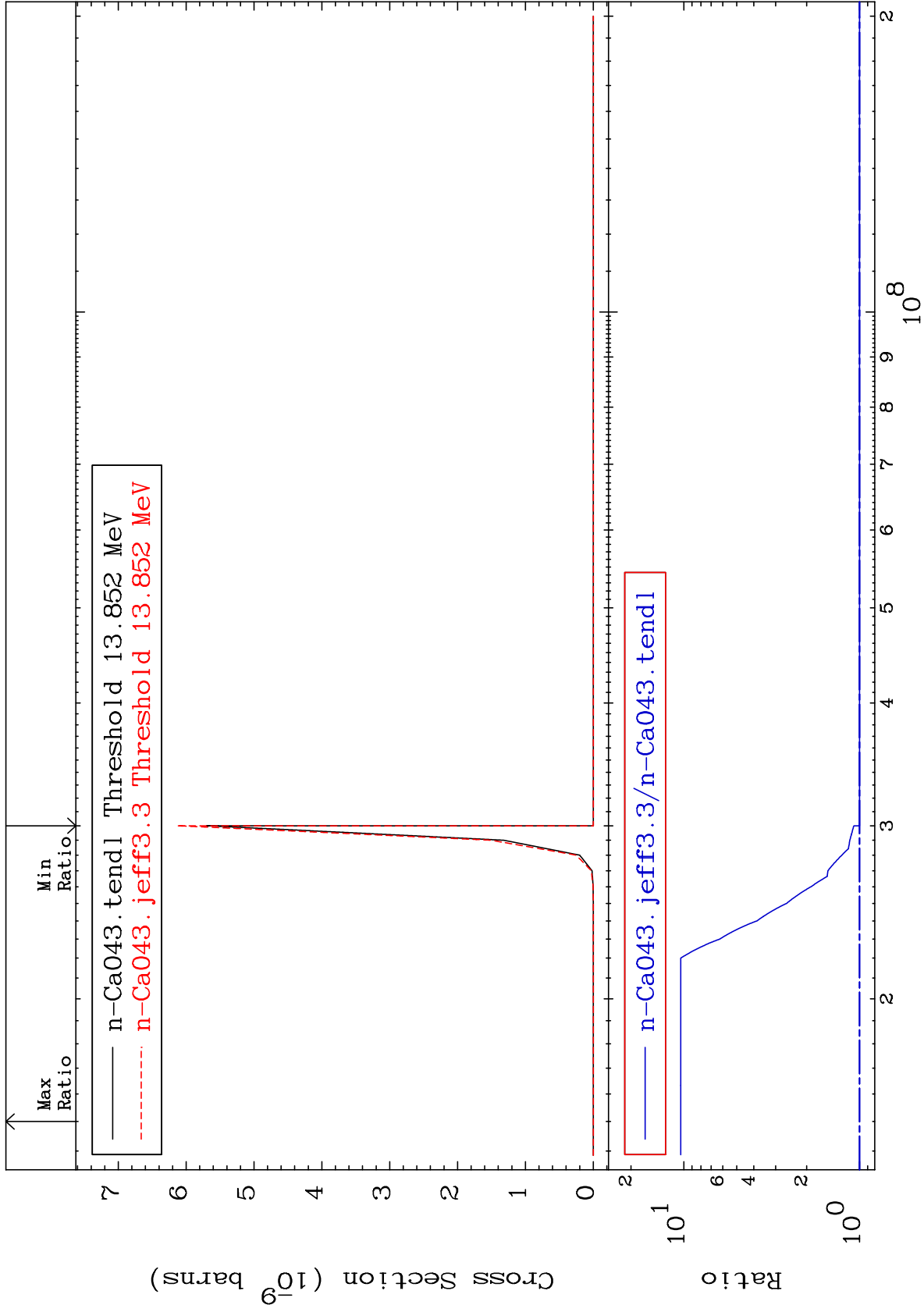
-74.17 To 504.0 %



Cross Section

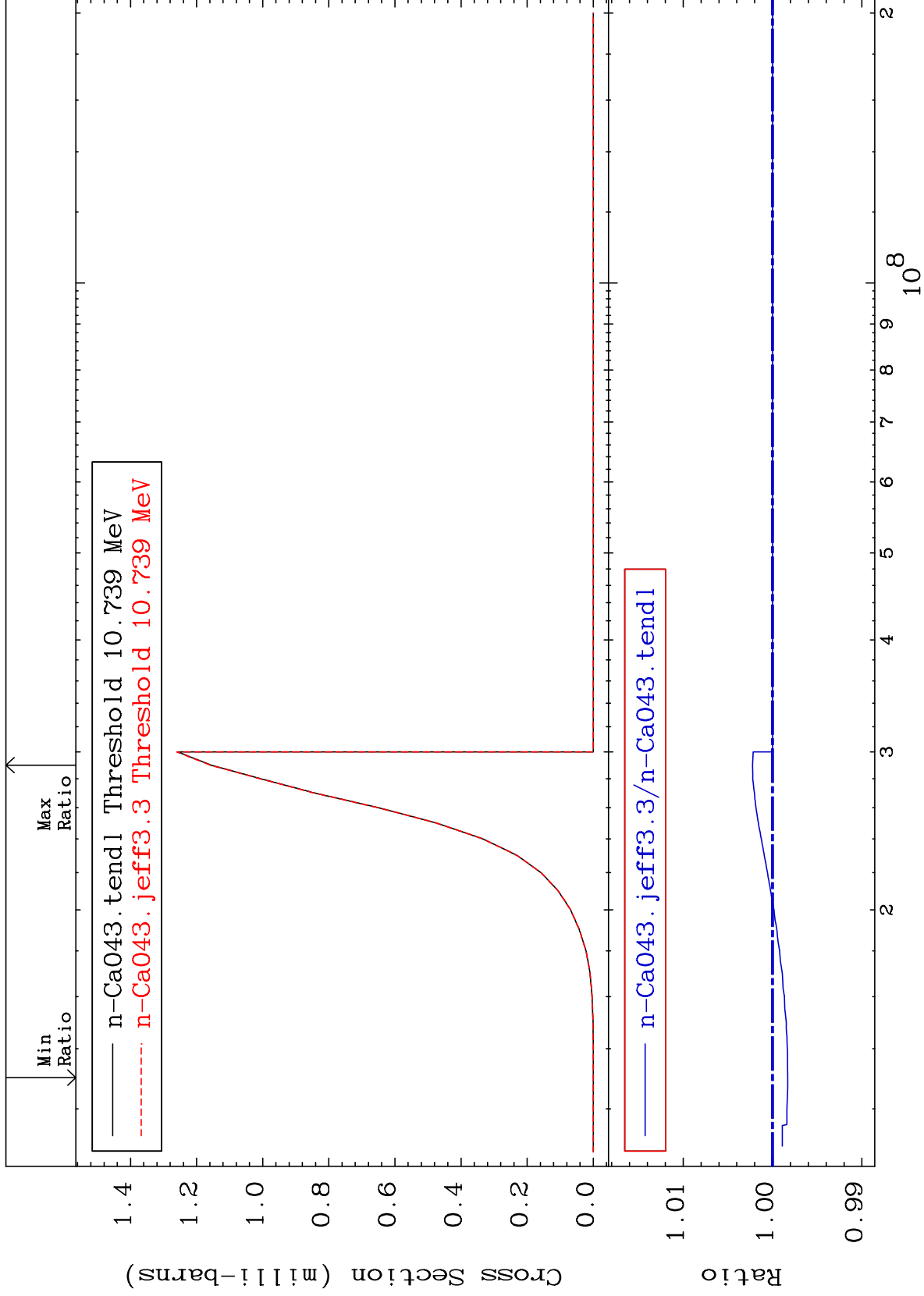
0.000

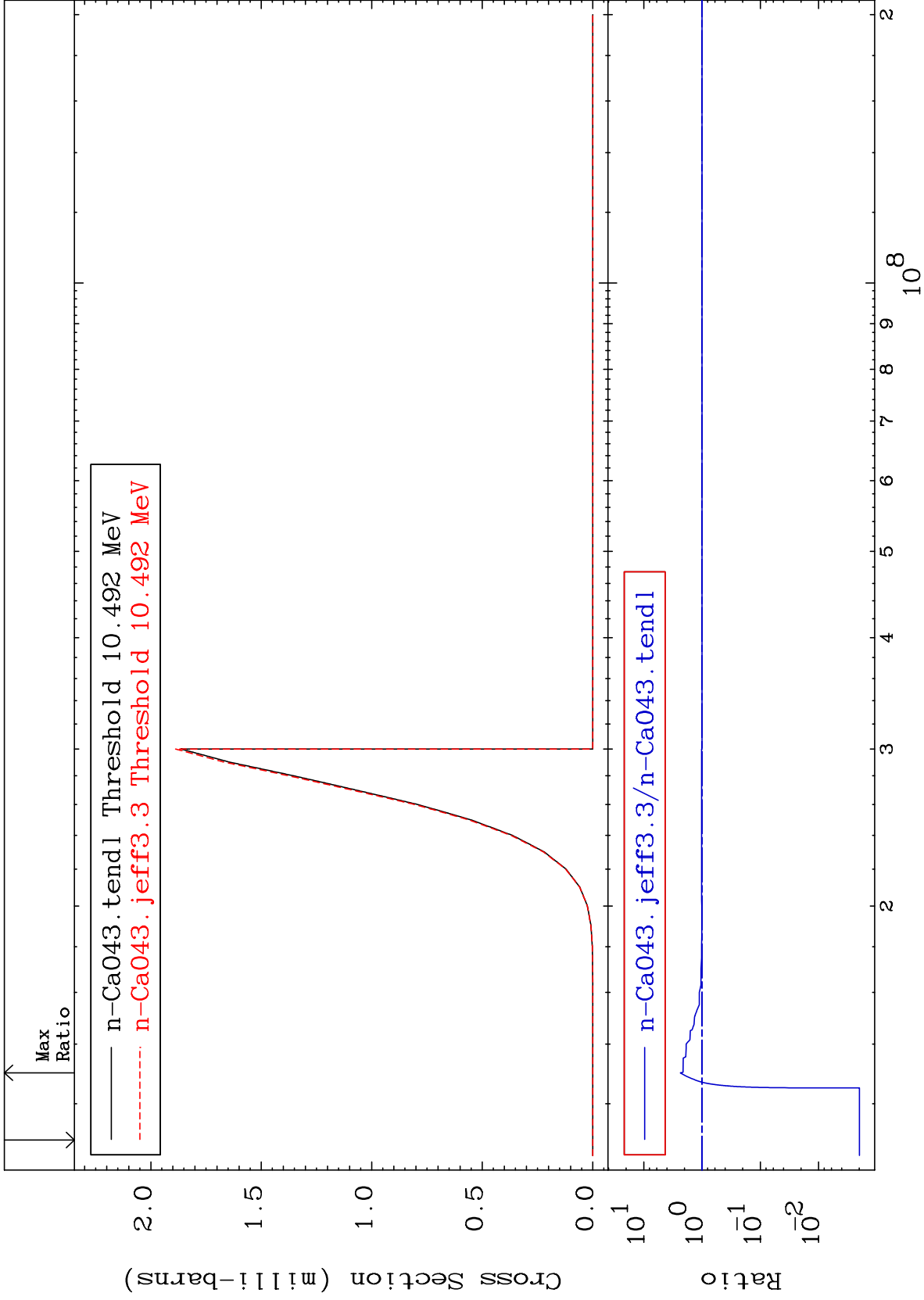
To 941.4 %

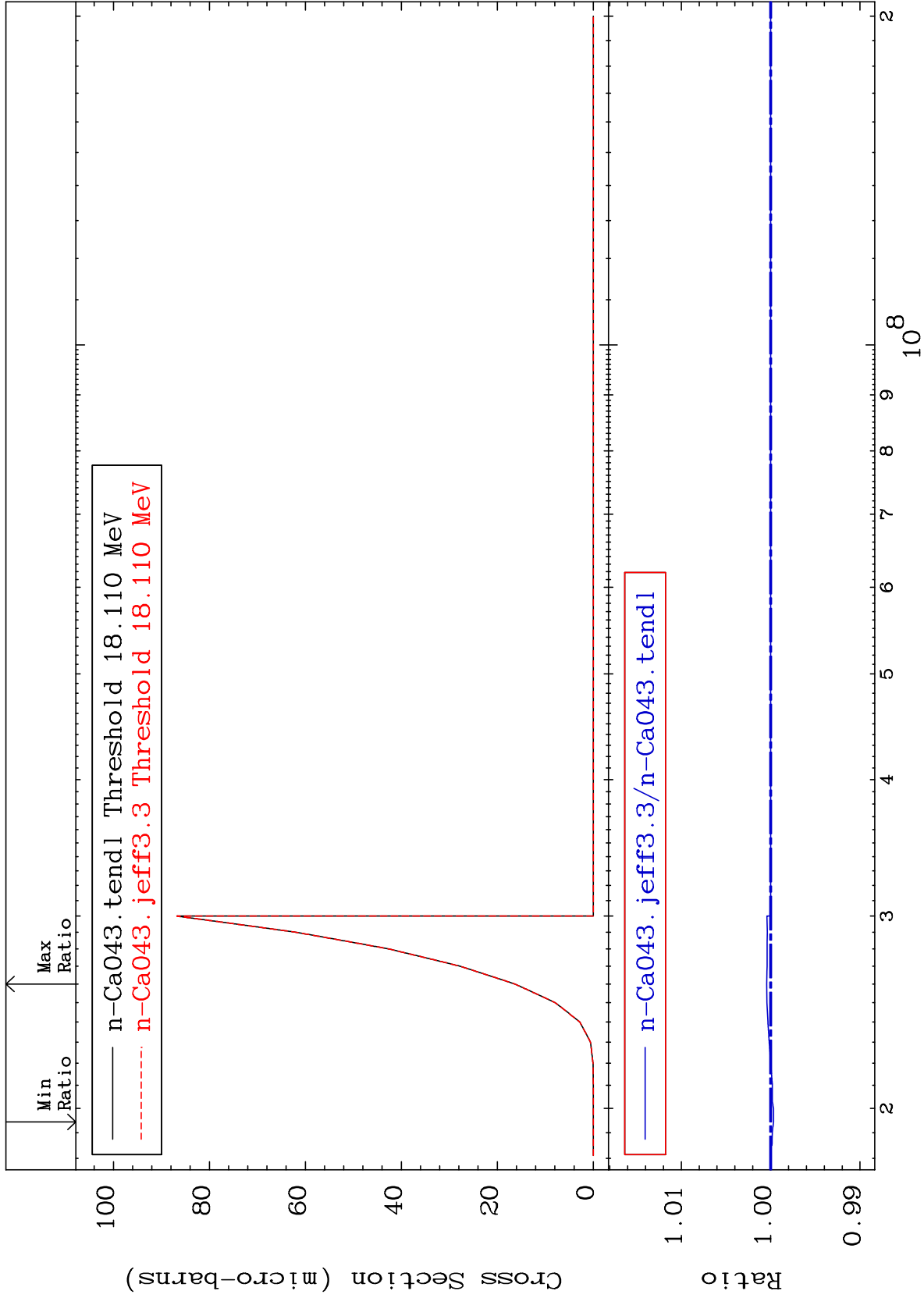


Cross Section

-0.170 To 0.223 %







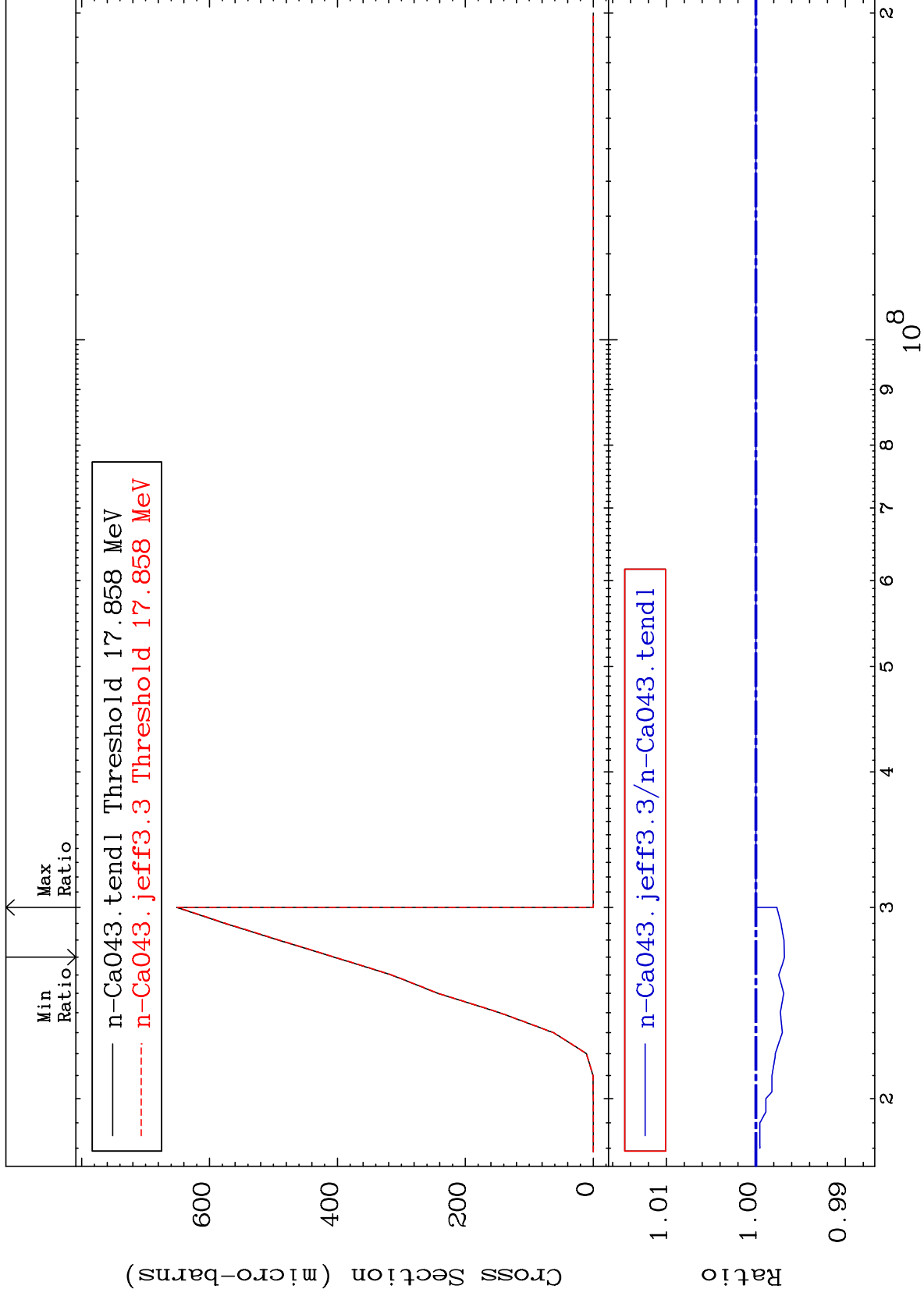
MAT 2034

(n,p) t

20-Ca-43

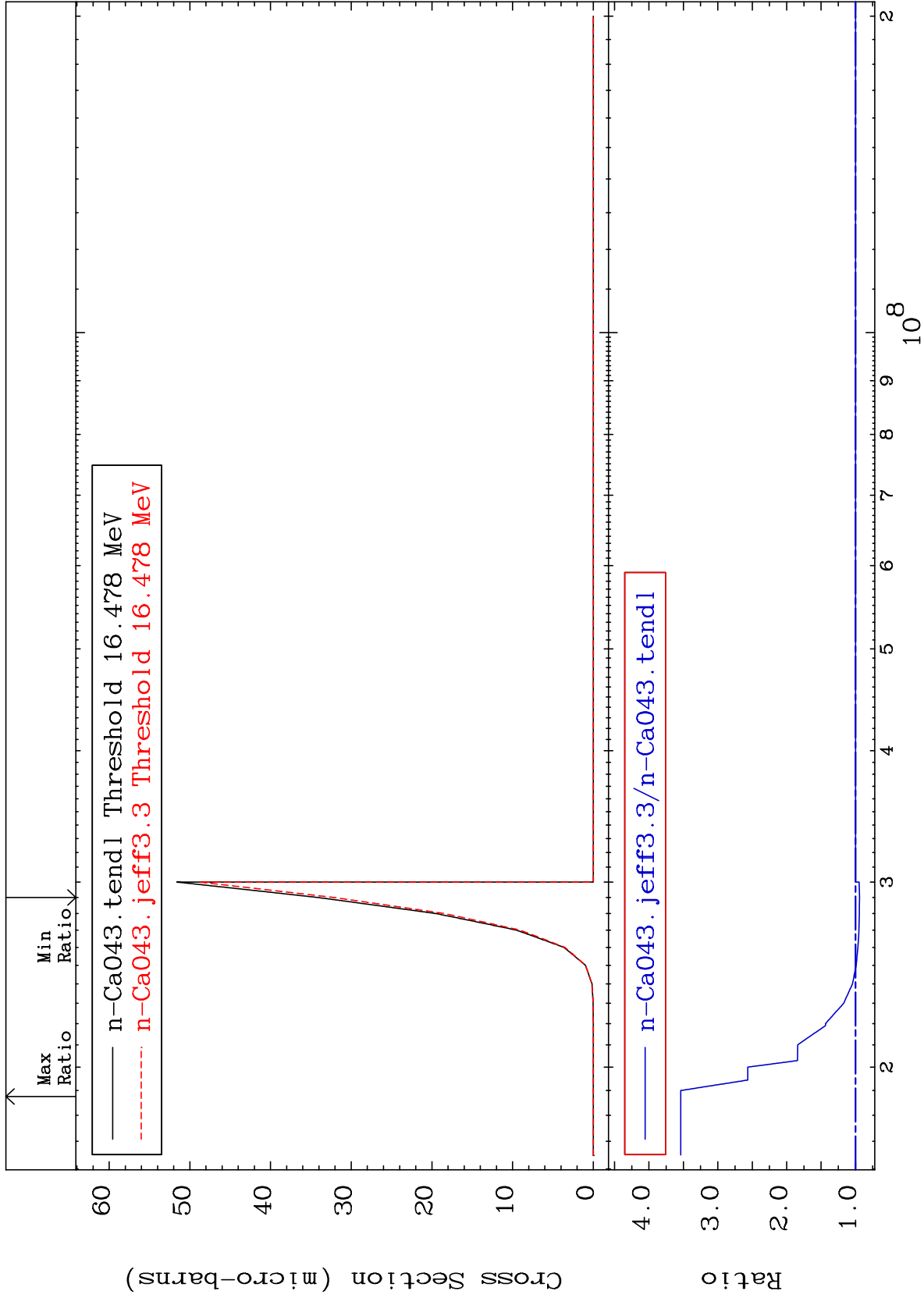
Cross Section

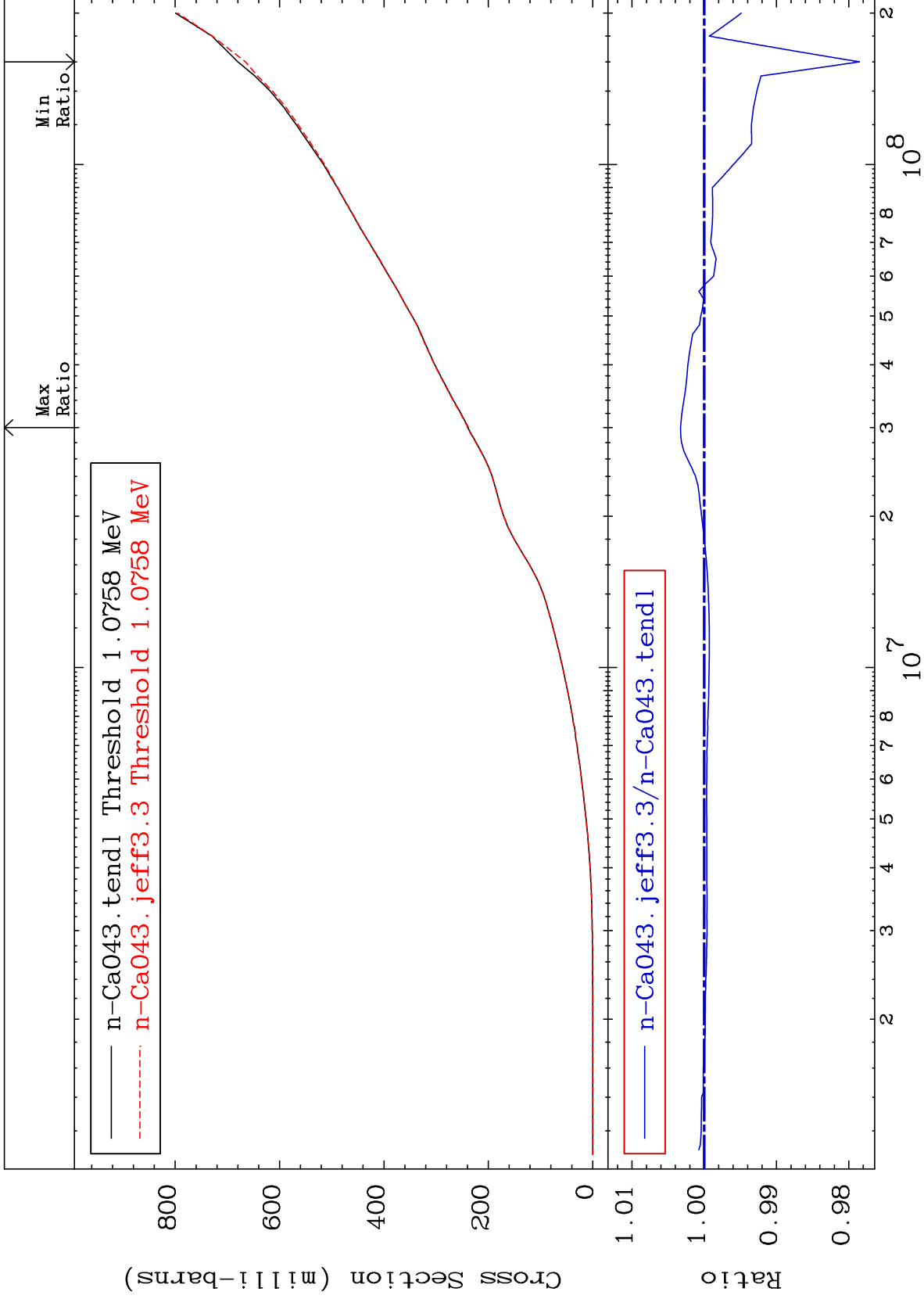
-0.319 To 0.000 %



Cross Section

-5.829 To 253.8 %



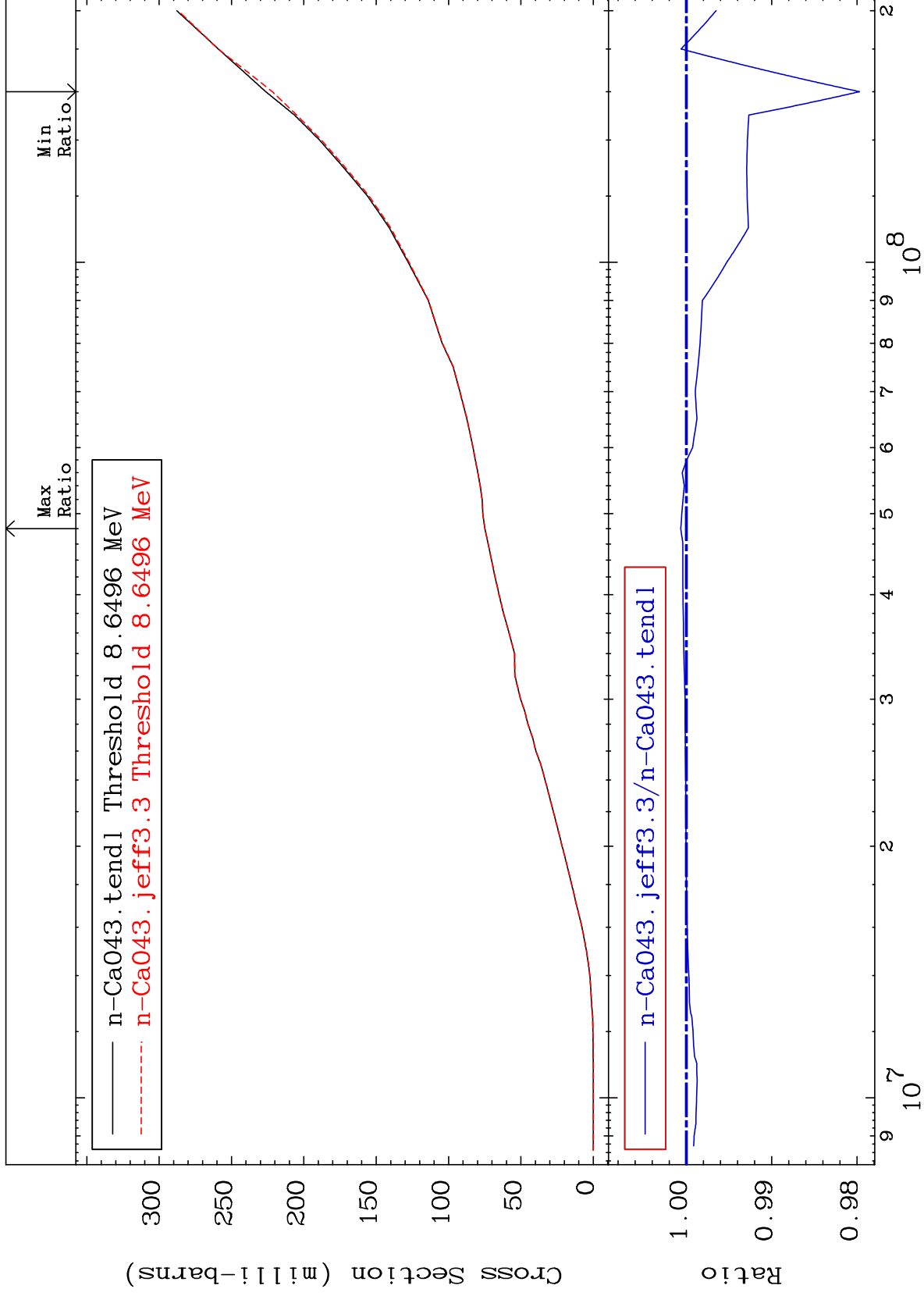




MAT 2034

Deuterium Production  
Cross Section

20-Ca-43  
-2.028 To 0.066 %



65

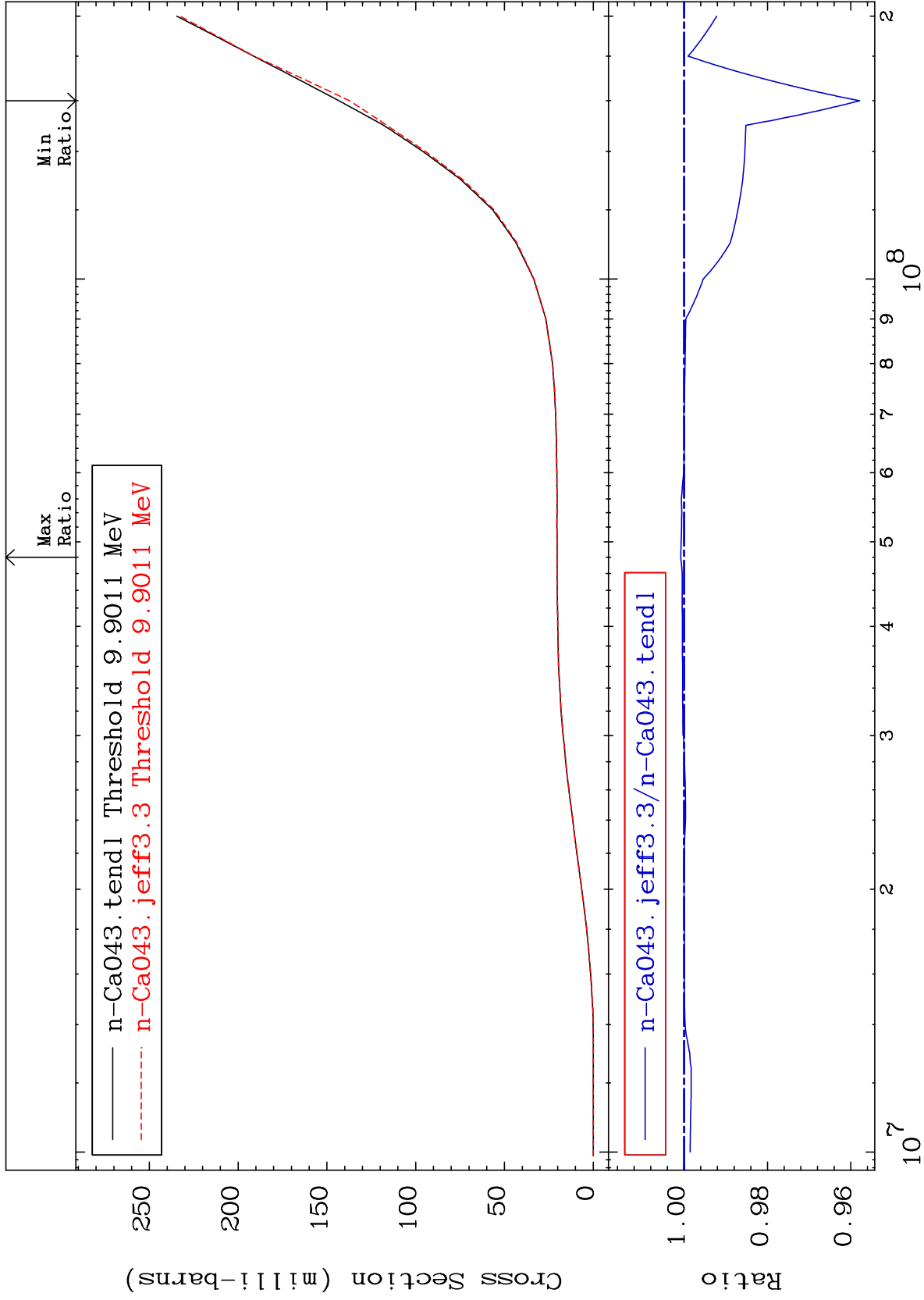
Incident Energy (eV)

20-Ca-43

MAT 2034

Tritium Production  
Cross Section

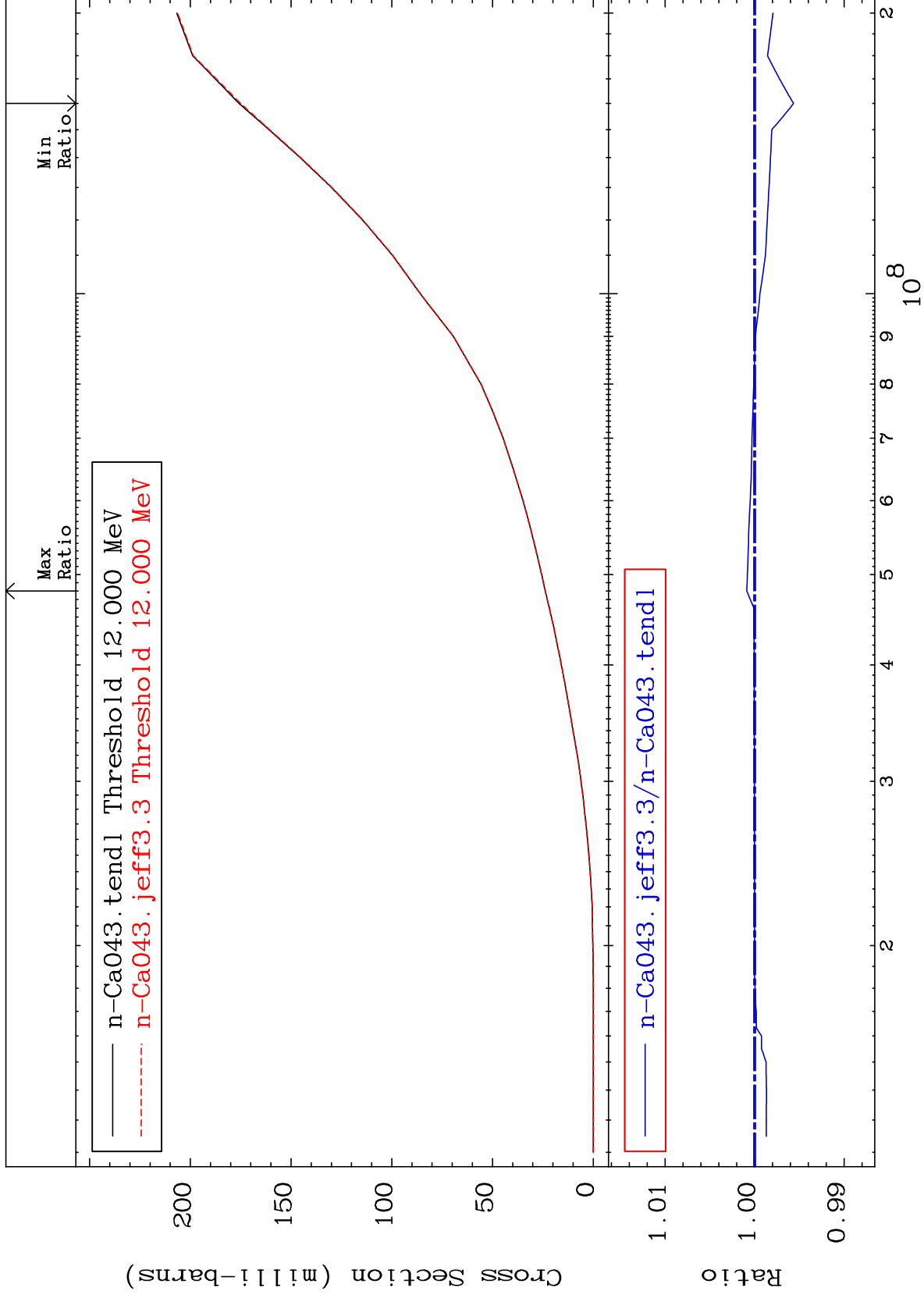
20-Ca-43  
-4.208 To 0.080 %

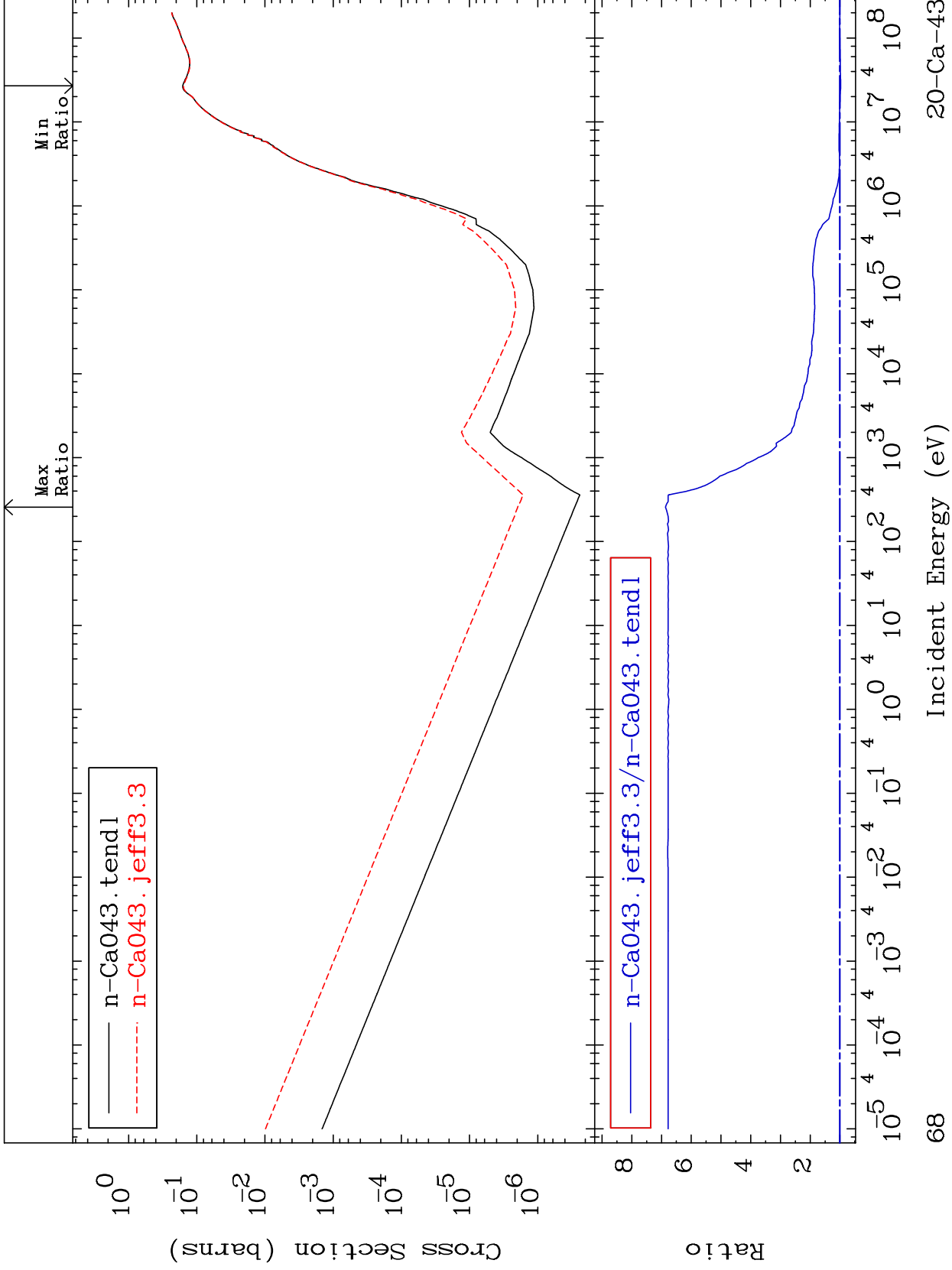


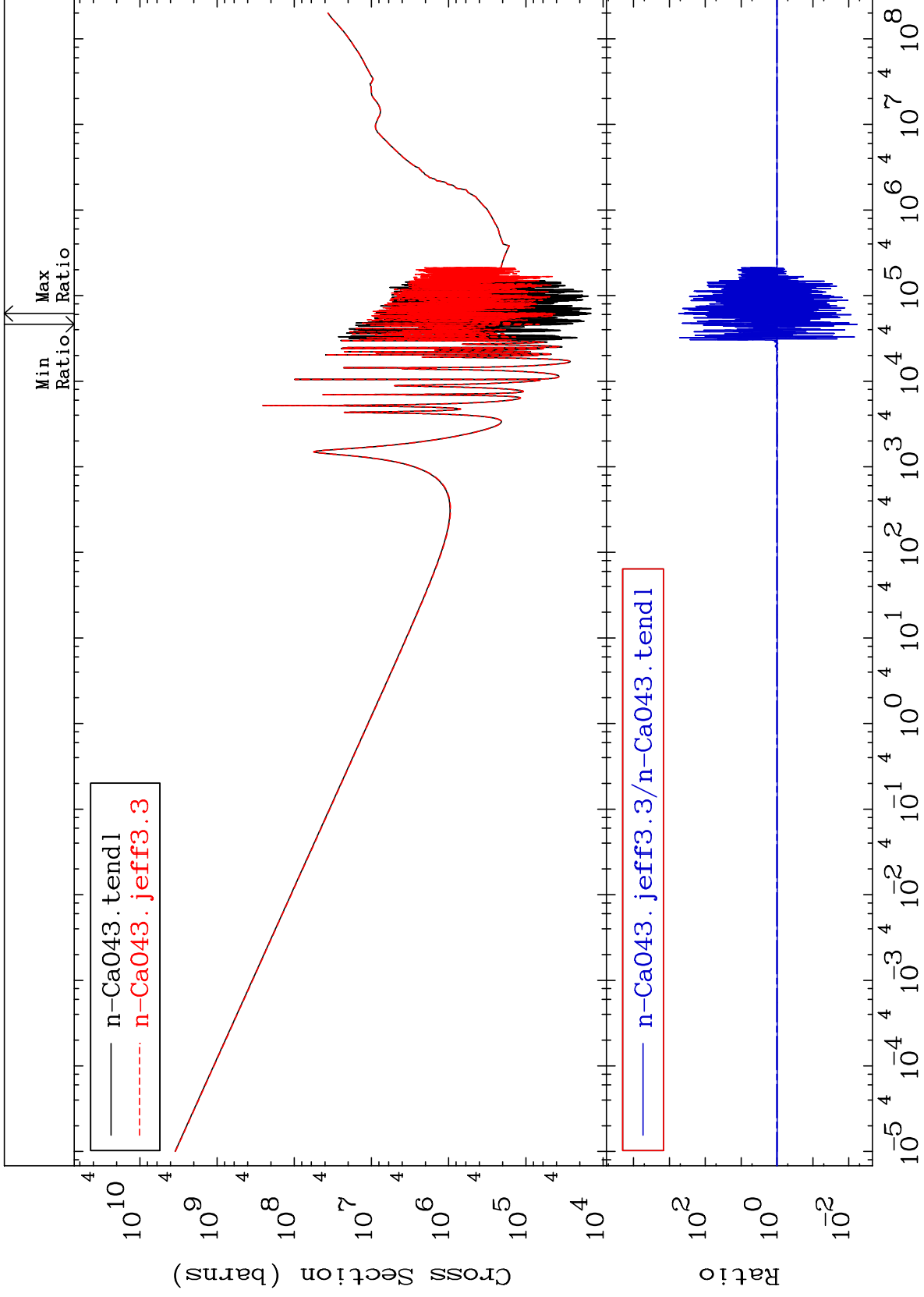
66

Incident Energy (eV)

20-Ca-43



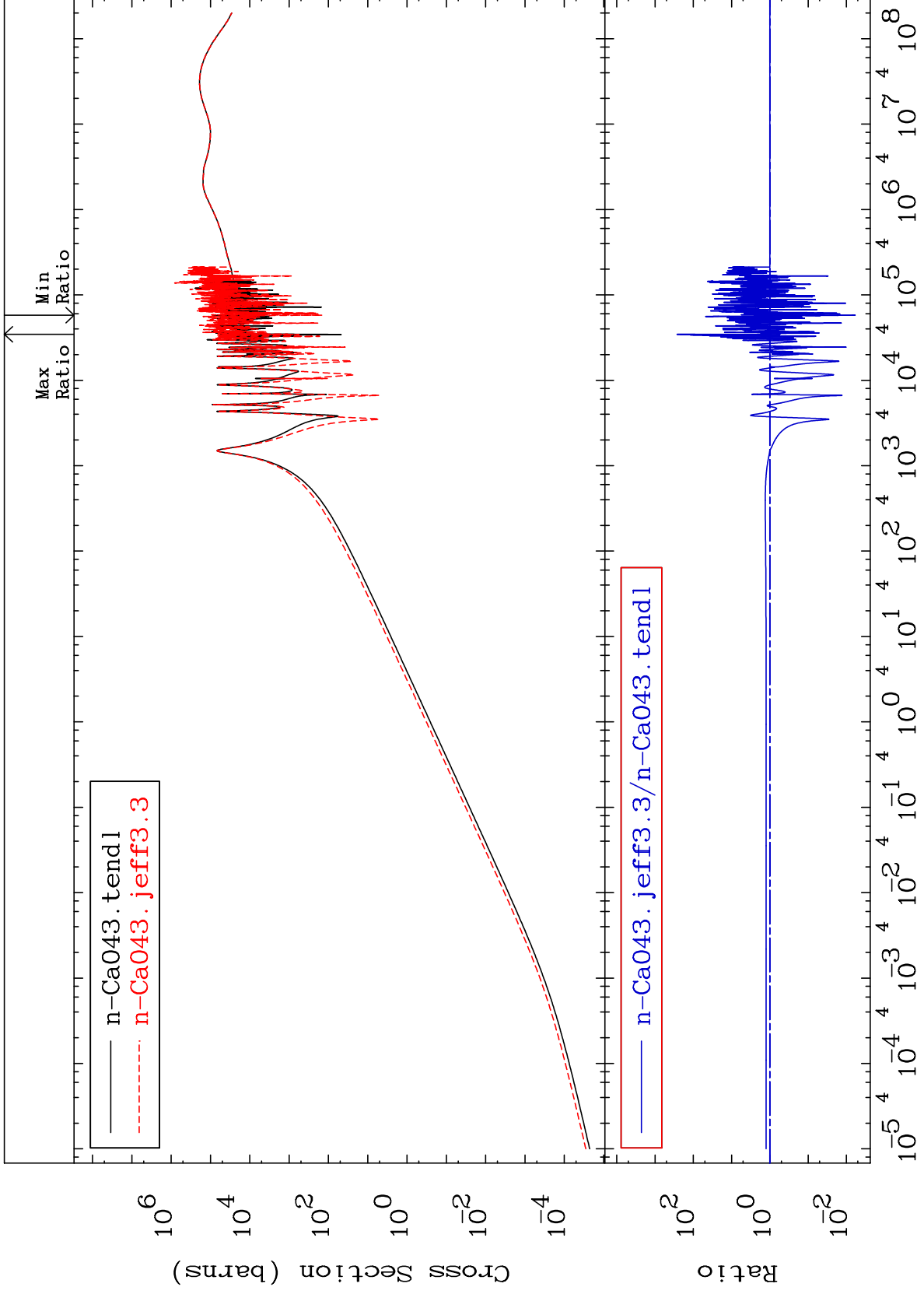




MAT 2034

Kerma elastic  
Cross Section

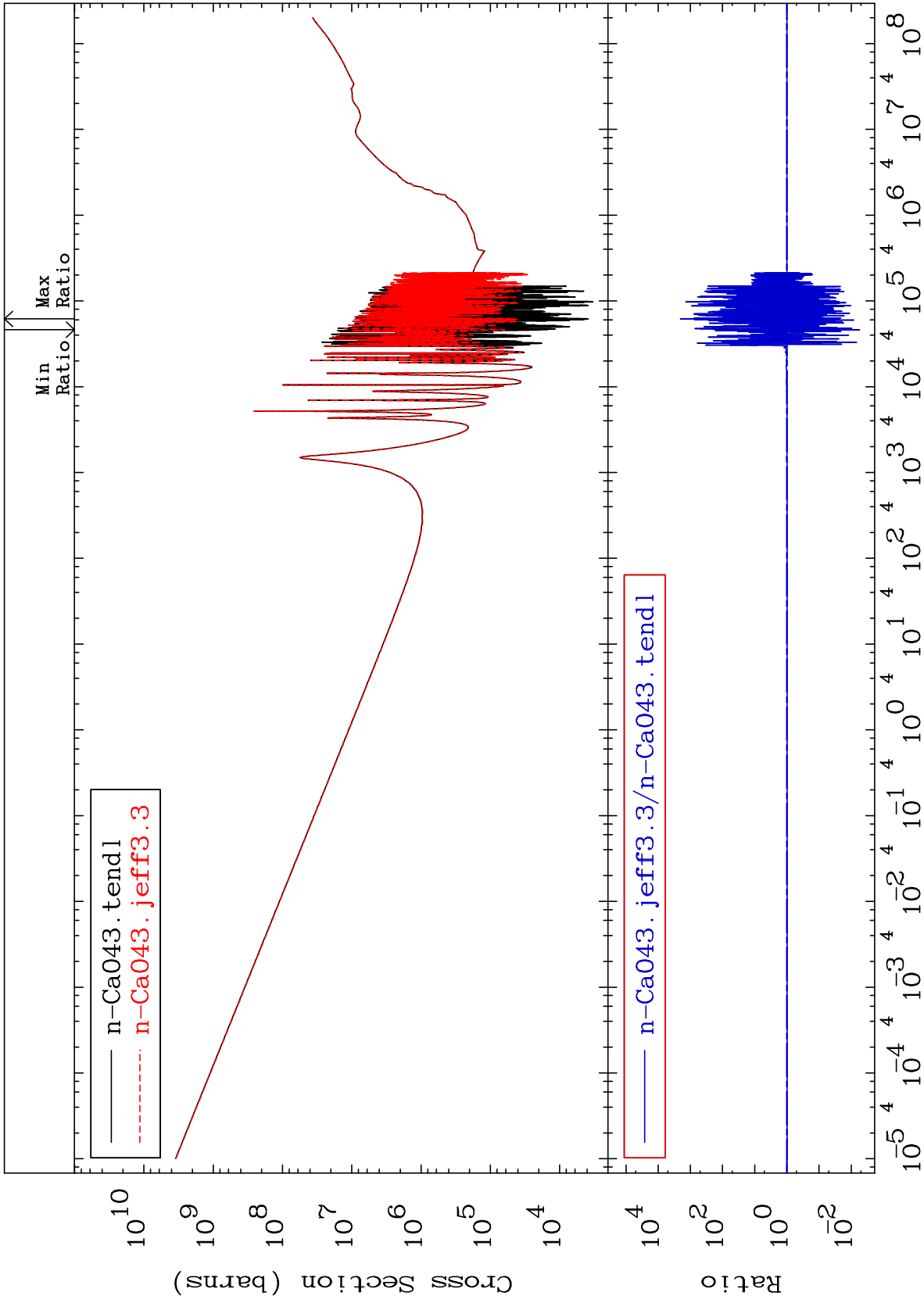
20-Ca-43  
-99.41 To 9999. %



70

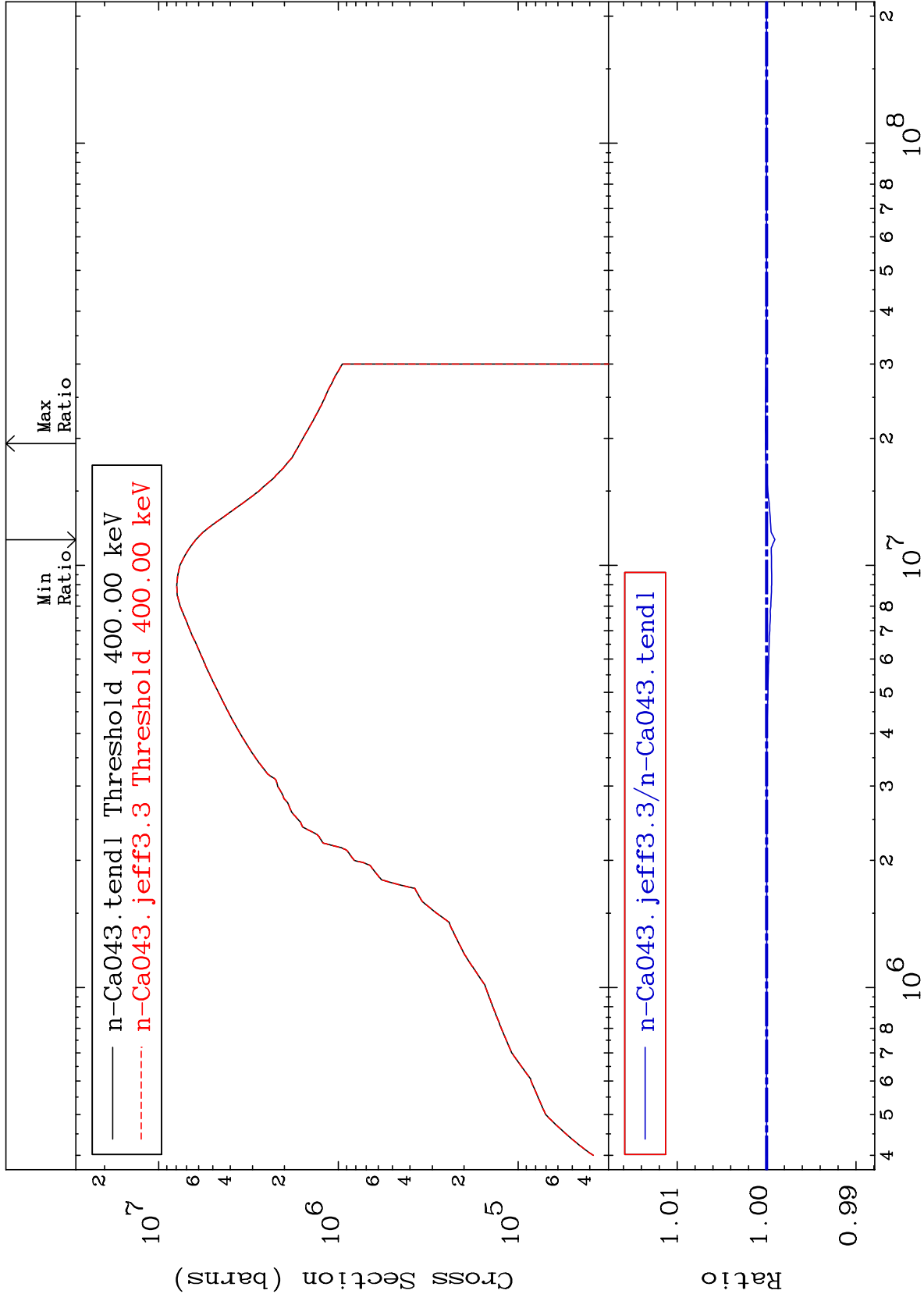
Incident Energy (eV)

20-Ca-43

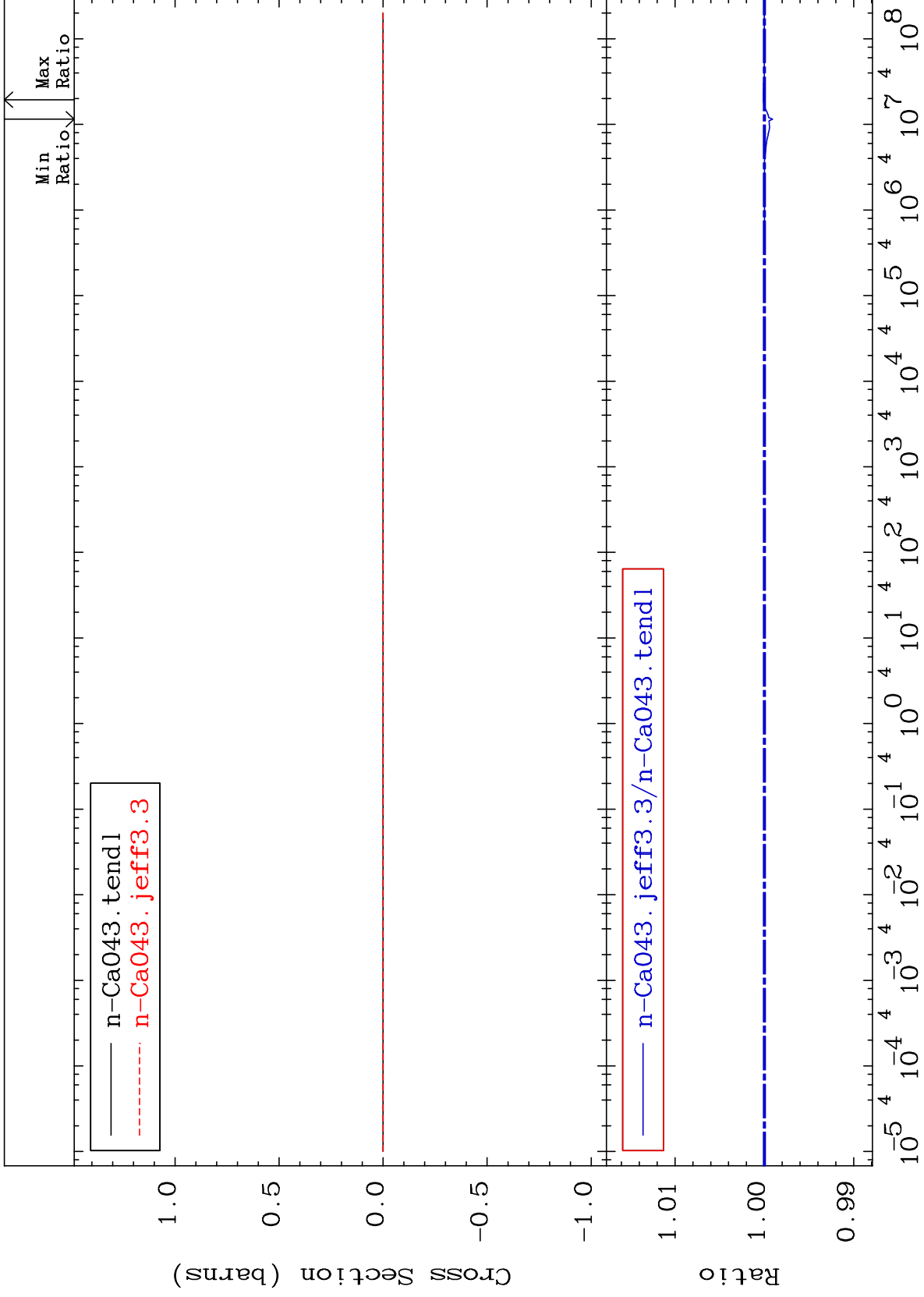


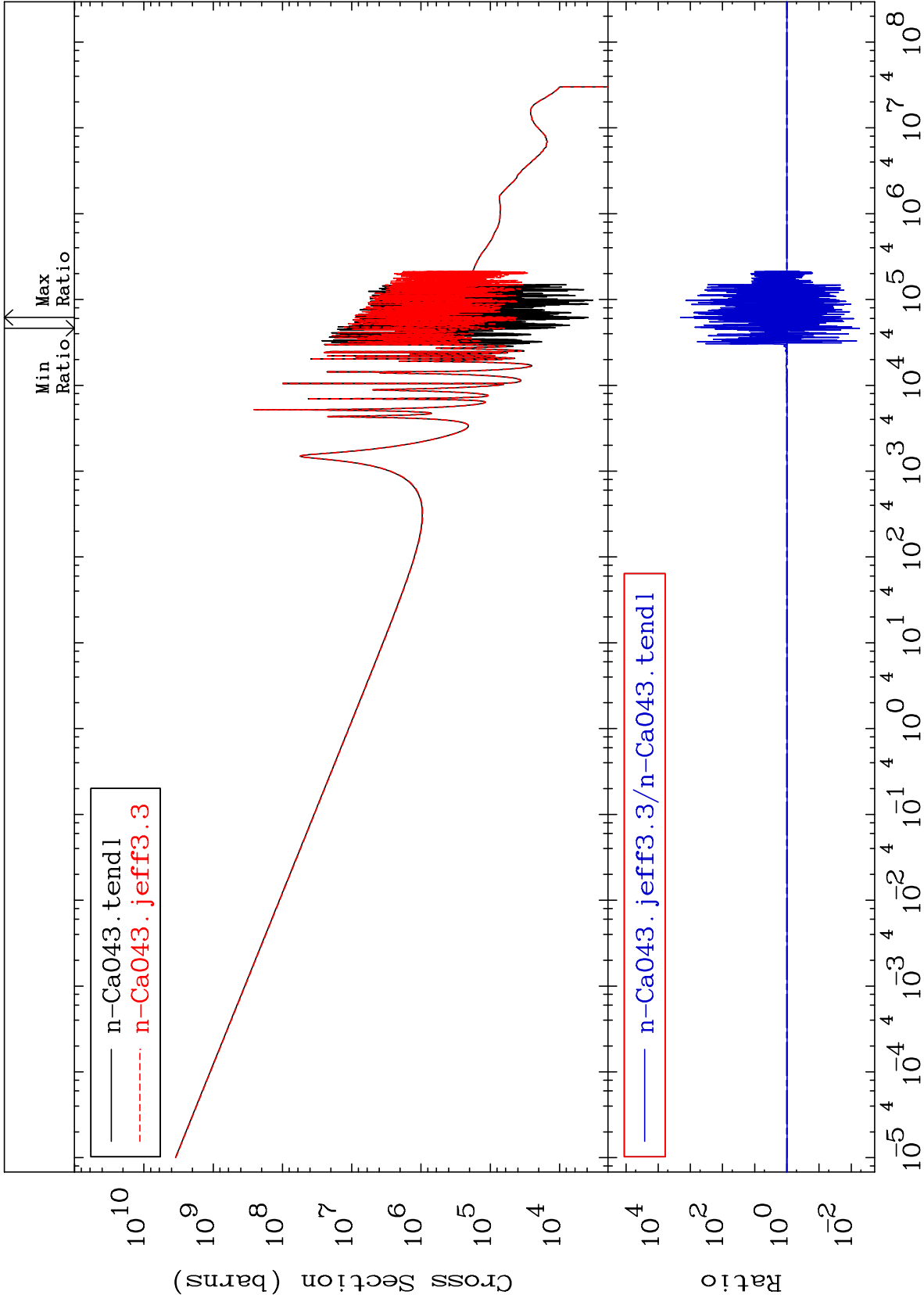
-0.093 To 0.012 %

Cross Section





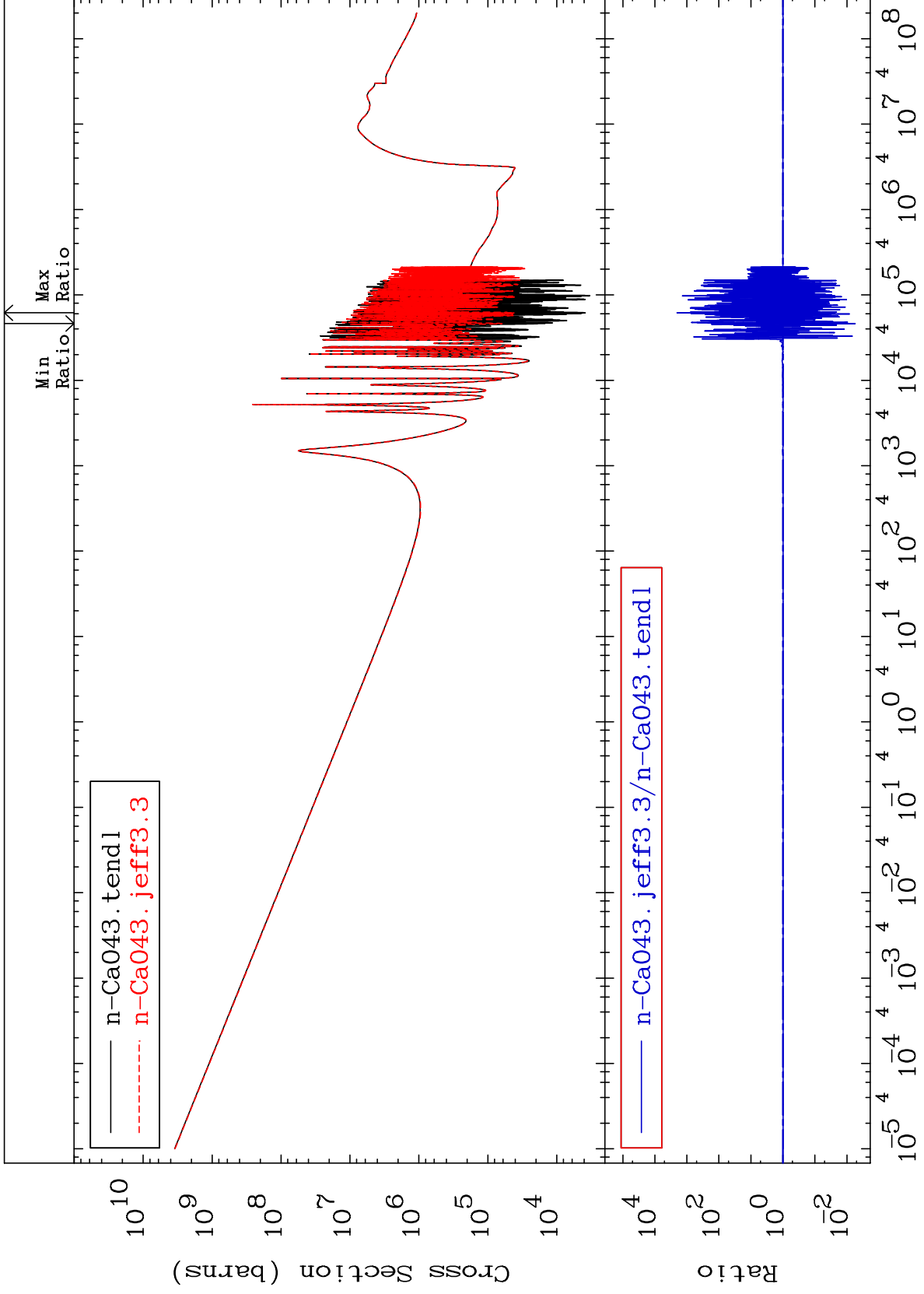




MAT 2034

Total photon (eV-barns)  
Cross Section

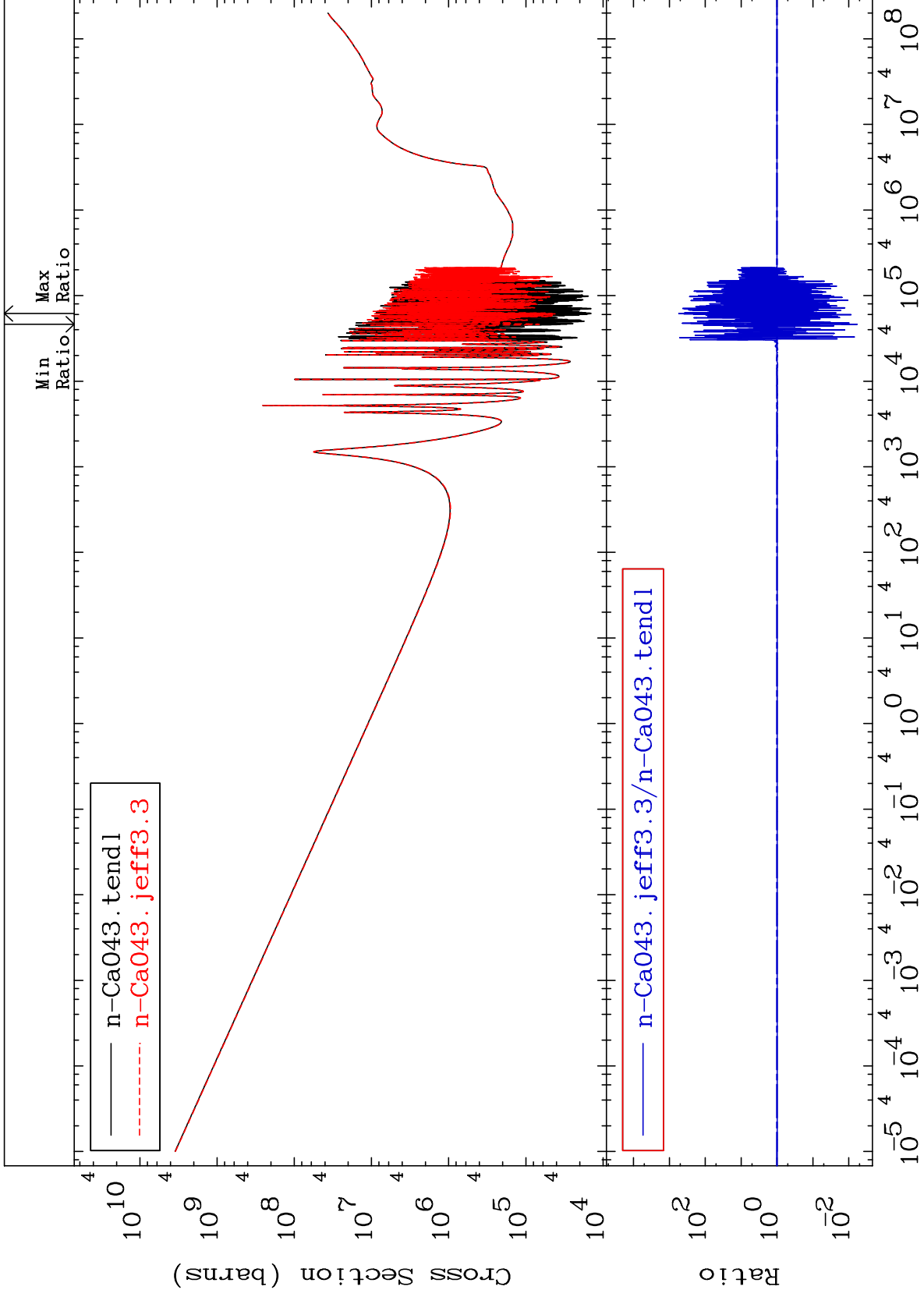
20-Ca-43  
-99.45 To 9999. %

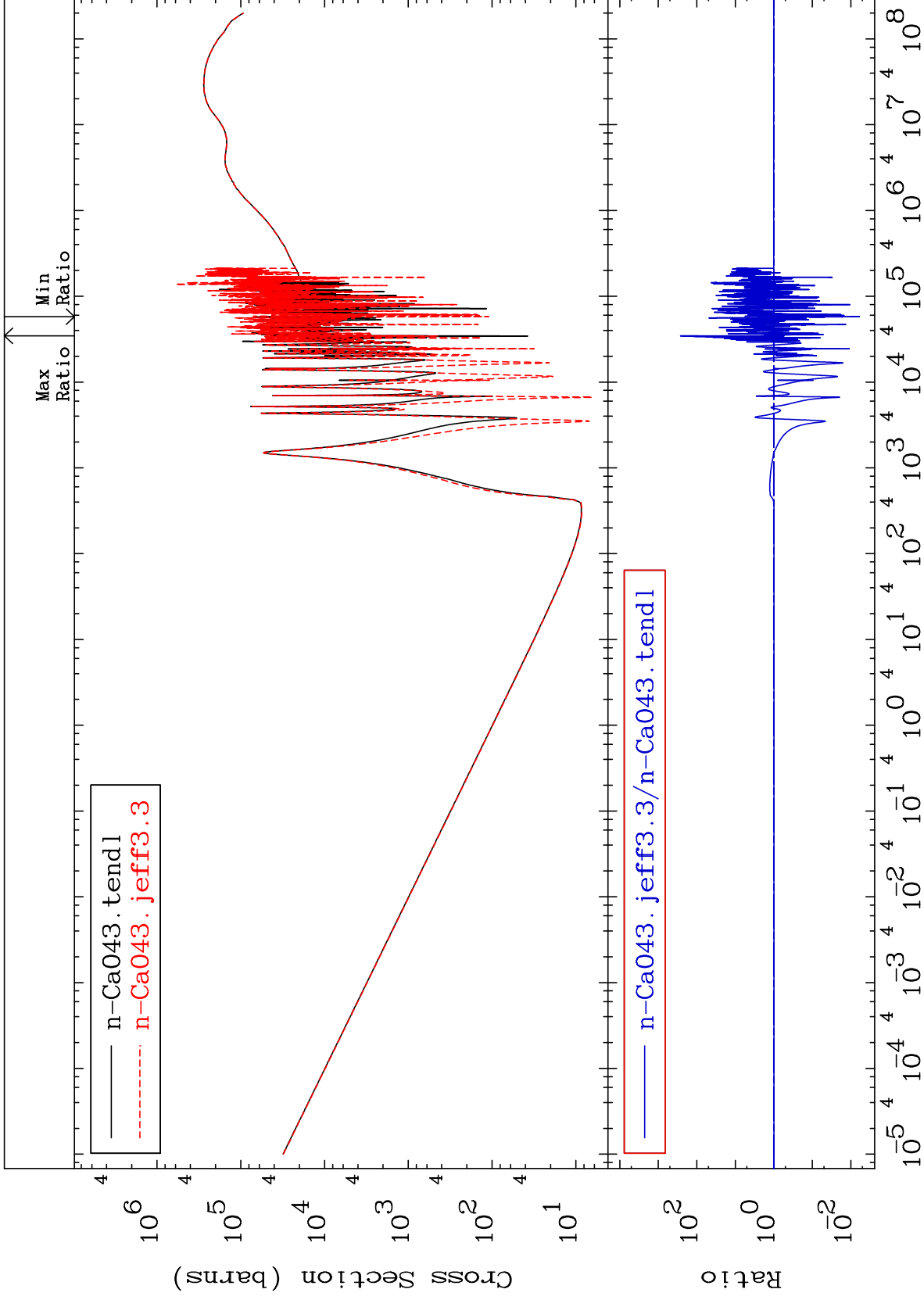


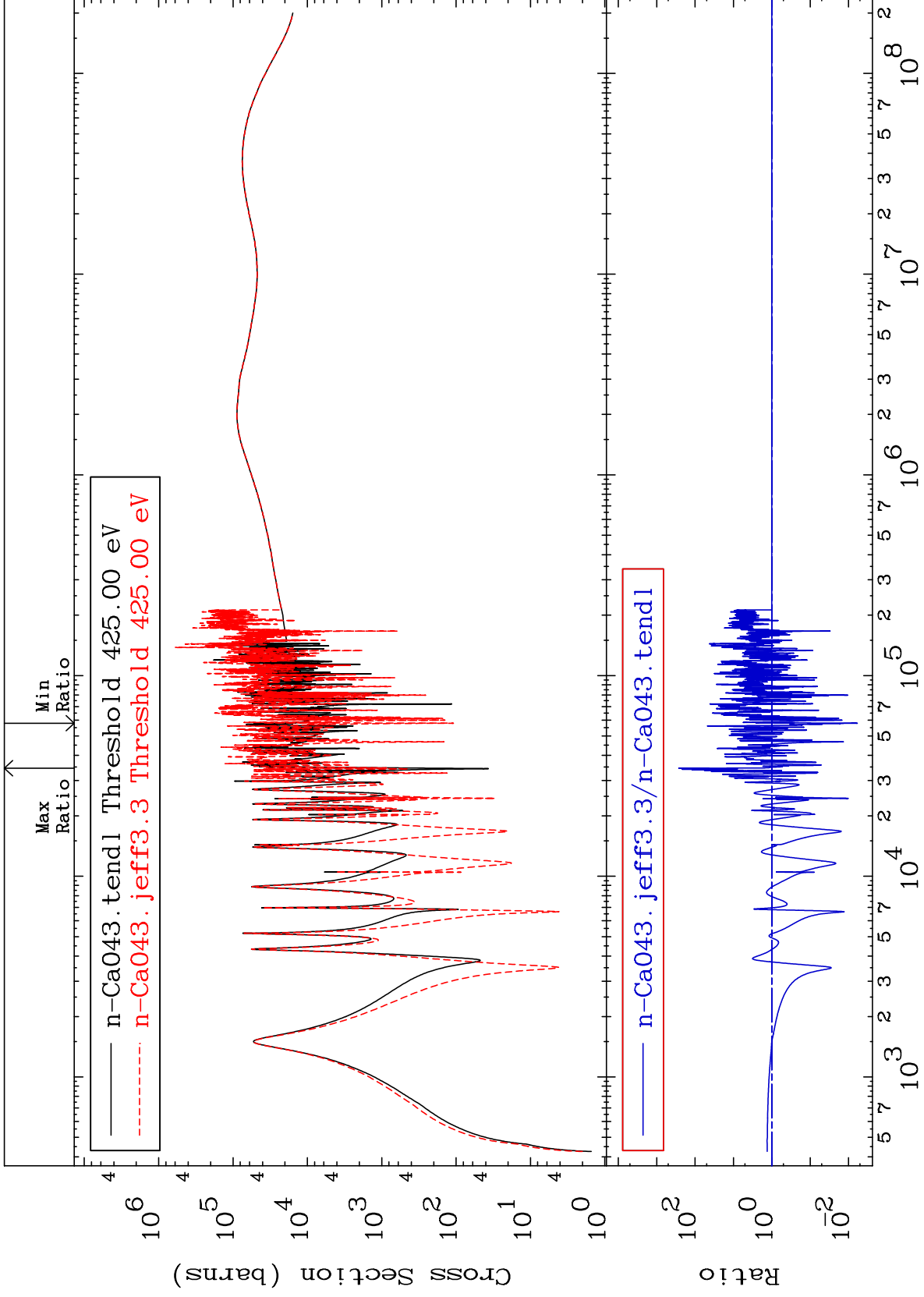
75

Incident Energy (eV)

20-Ca-43

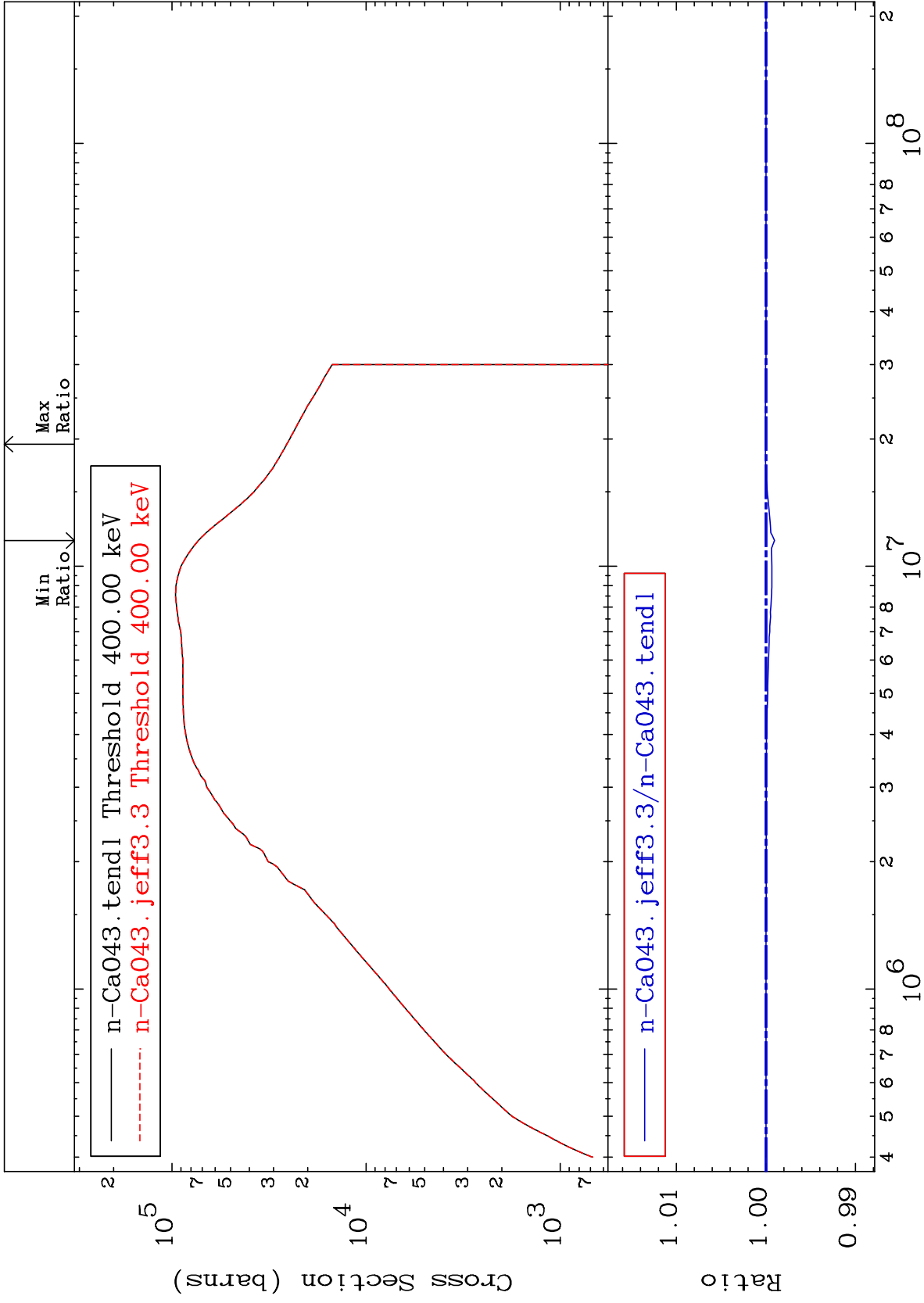


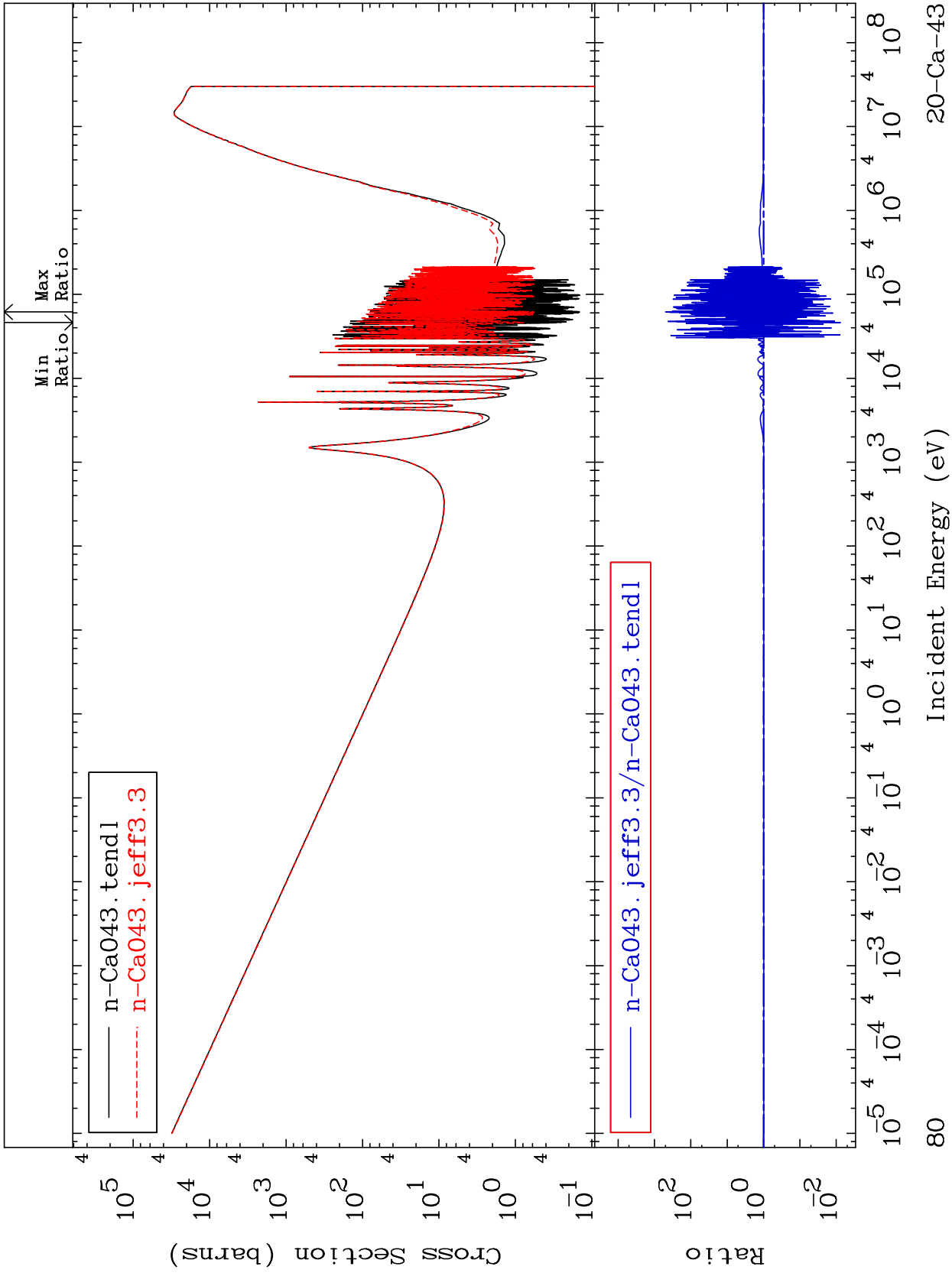




-0.096 To 0.008 %

Cross Section

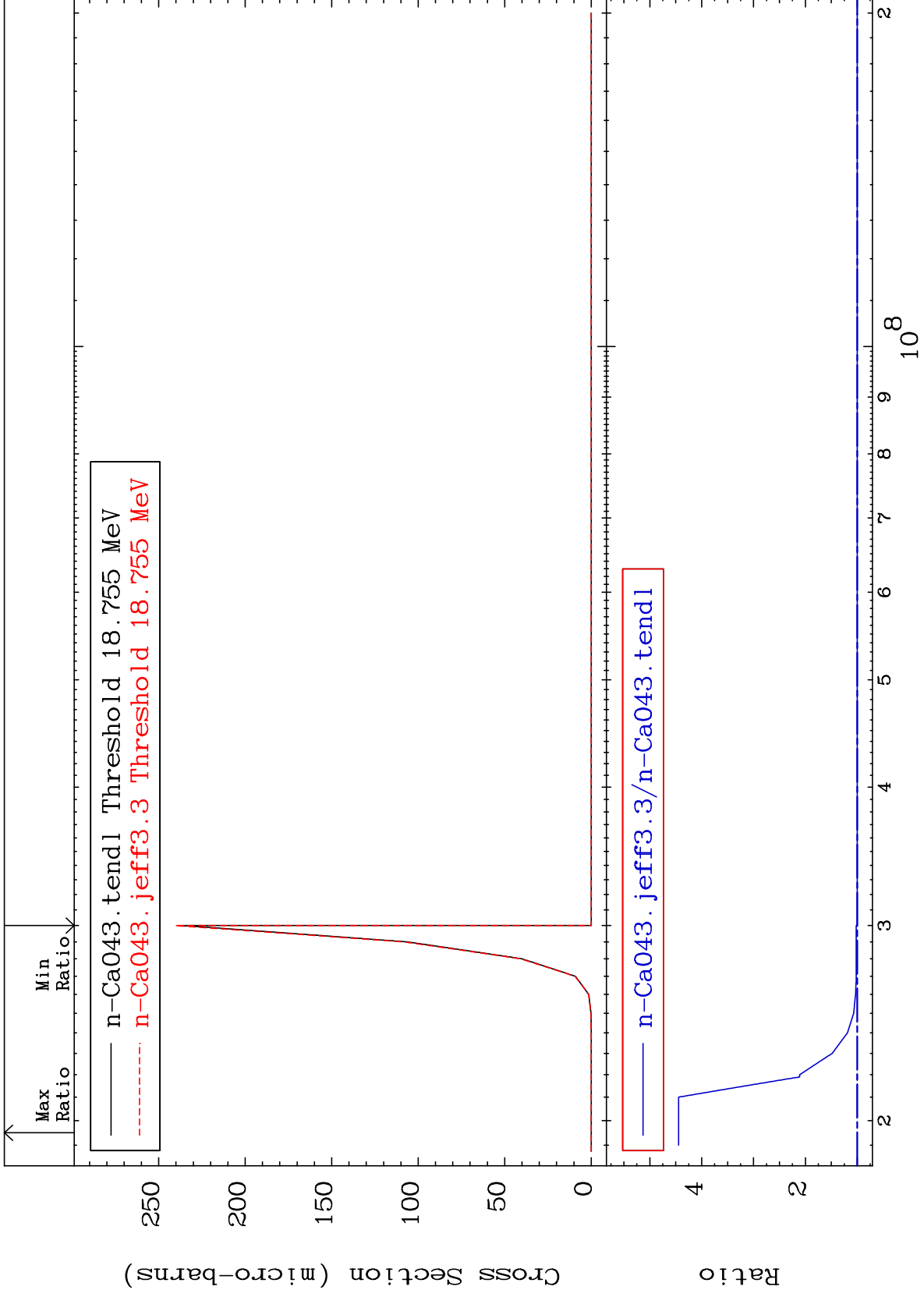




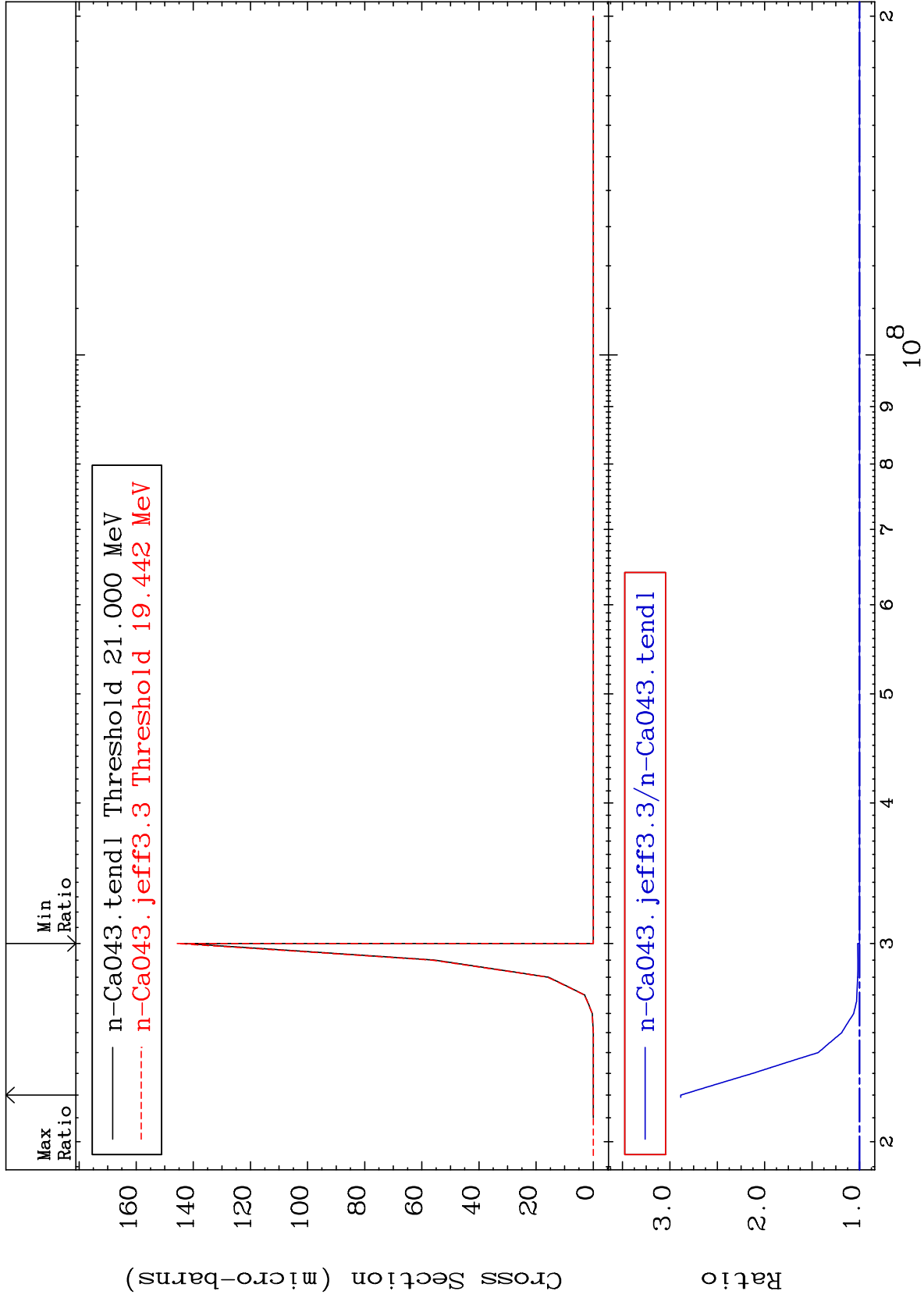


MAT 2034

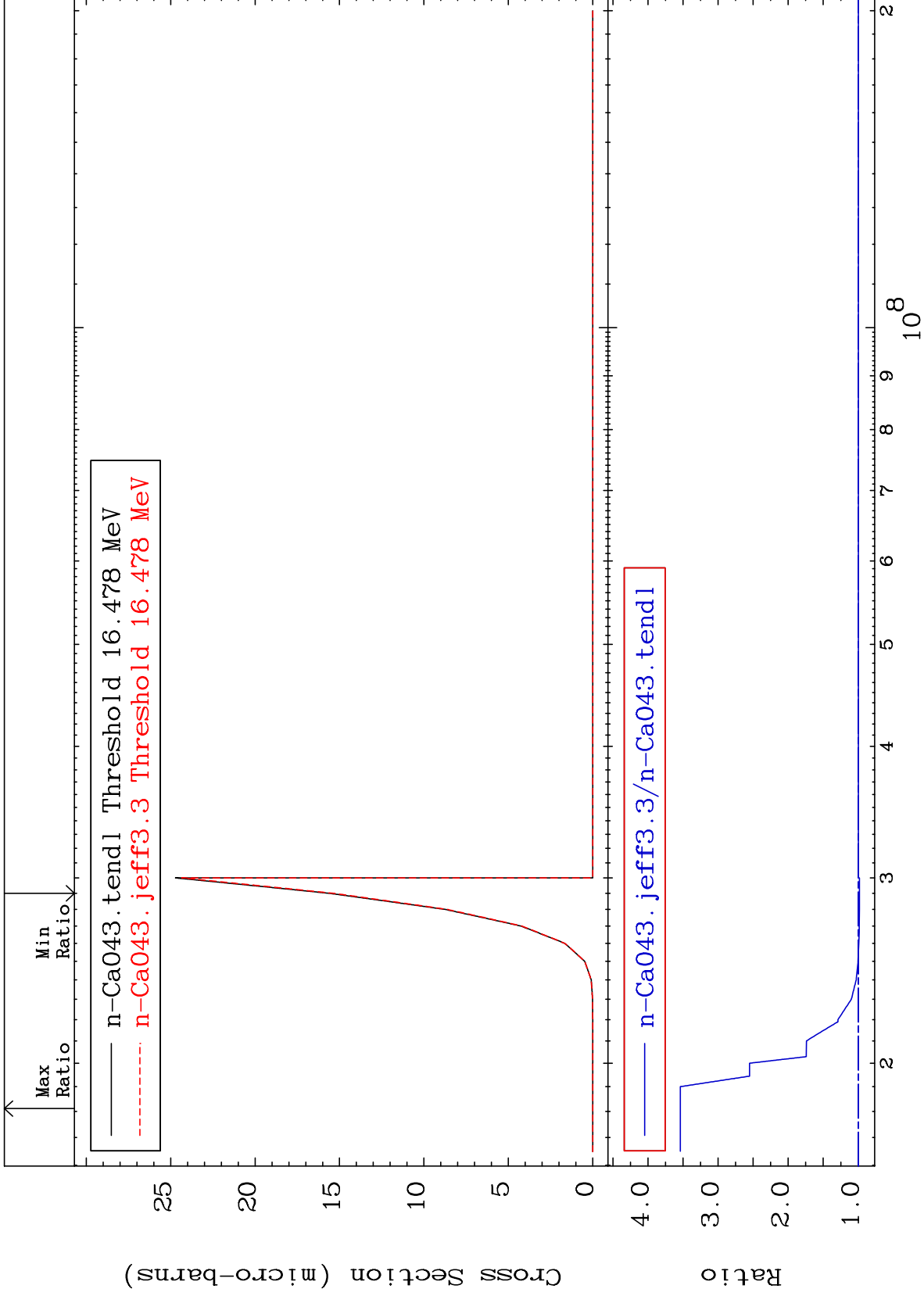
(n,n') p α:17-Cl-38g 20-Ca-43  
Radionuclide Production Cross Section 0.000 To 344.5 %



Radionuclide Production Cross Section 0.000 To 188.5 %



Radionuclide Production Cross Section -1.607 To 253.8 %



Radionuclide Production Cross Section -9.381 To 208.2 %

