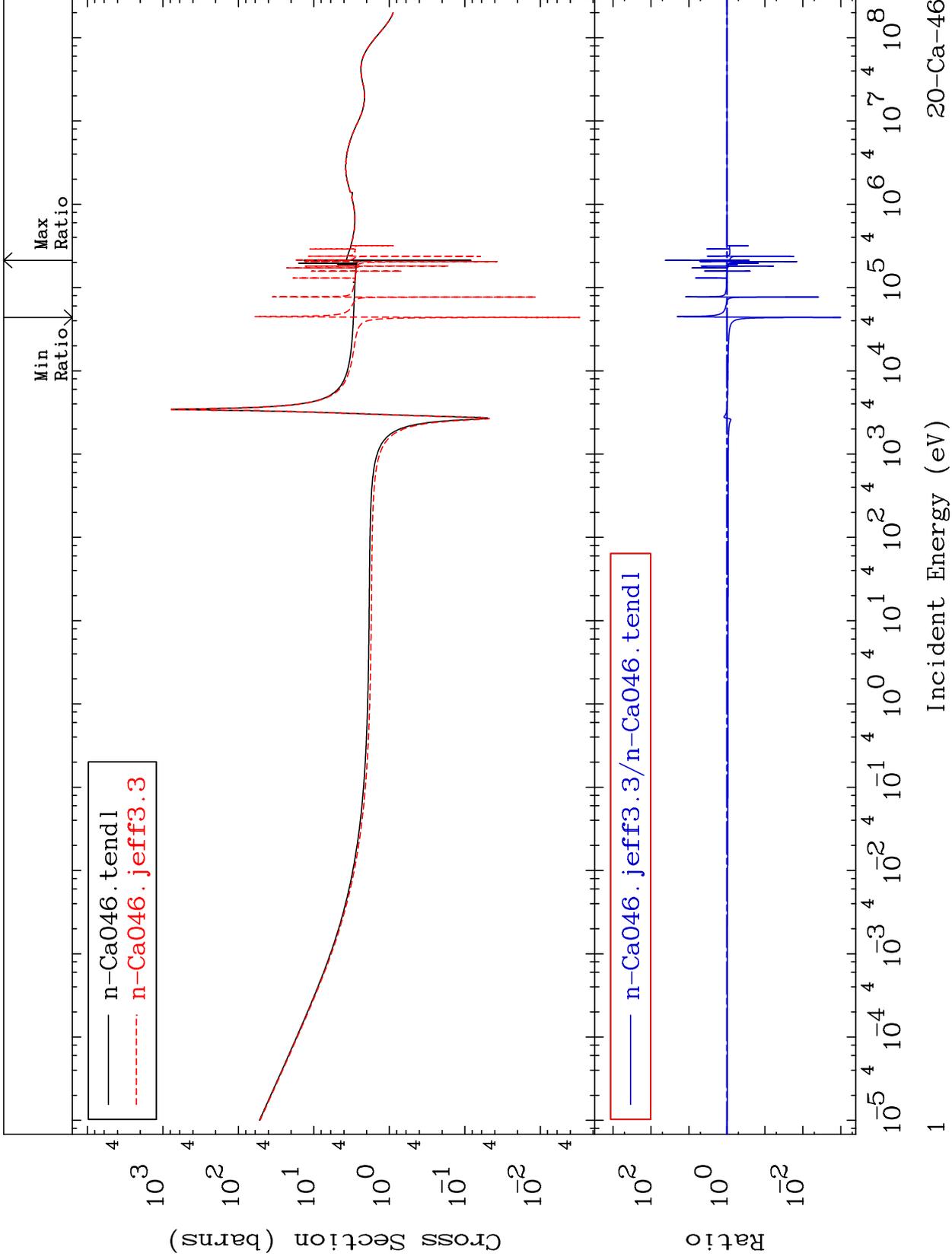


MAT 2043

Total  
Cross Section

20-Ca-46  
-99.90 To 4037. %

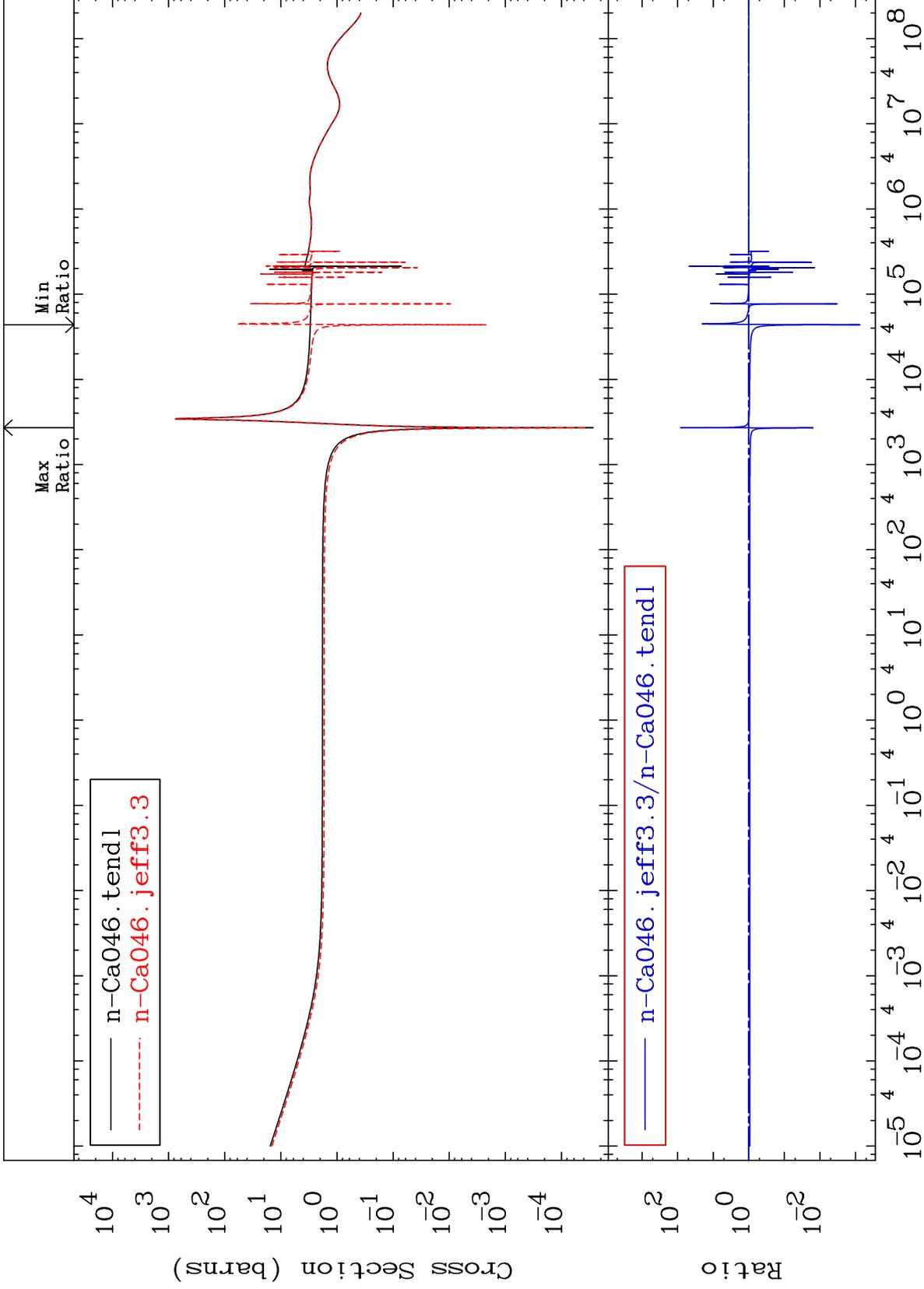


20-Ca-46

MAT 2043

Elastic  
Cross Section

20-Ca-46  
-99.93 To 8093. %



2

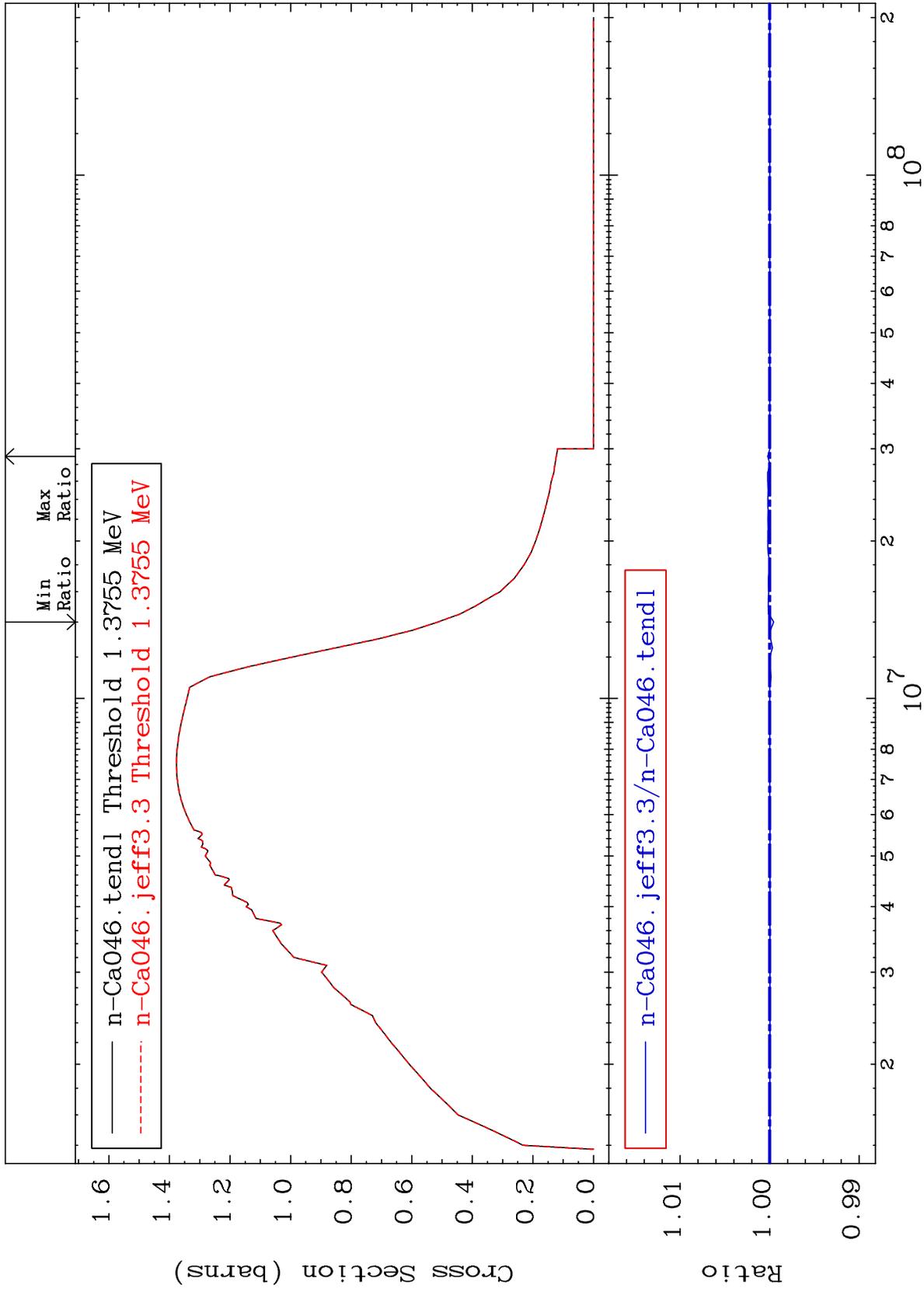
Incident Energy (eV)

20-Ca-46

MAT 2043

20-Ca-46

Inelastic Cross Section -0.045 To 0.022 %



3

Incident Energy (eV)

20-Ca-46

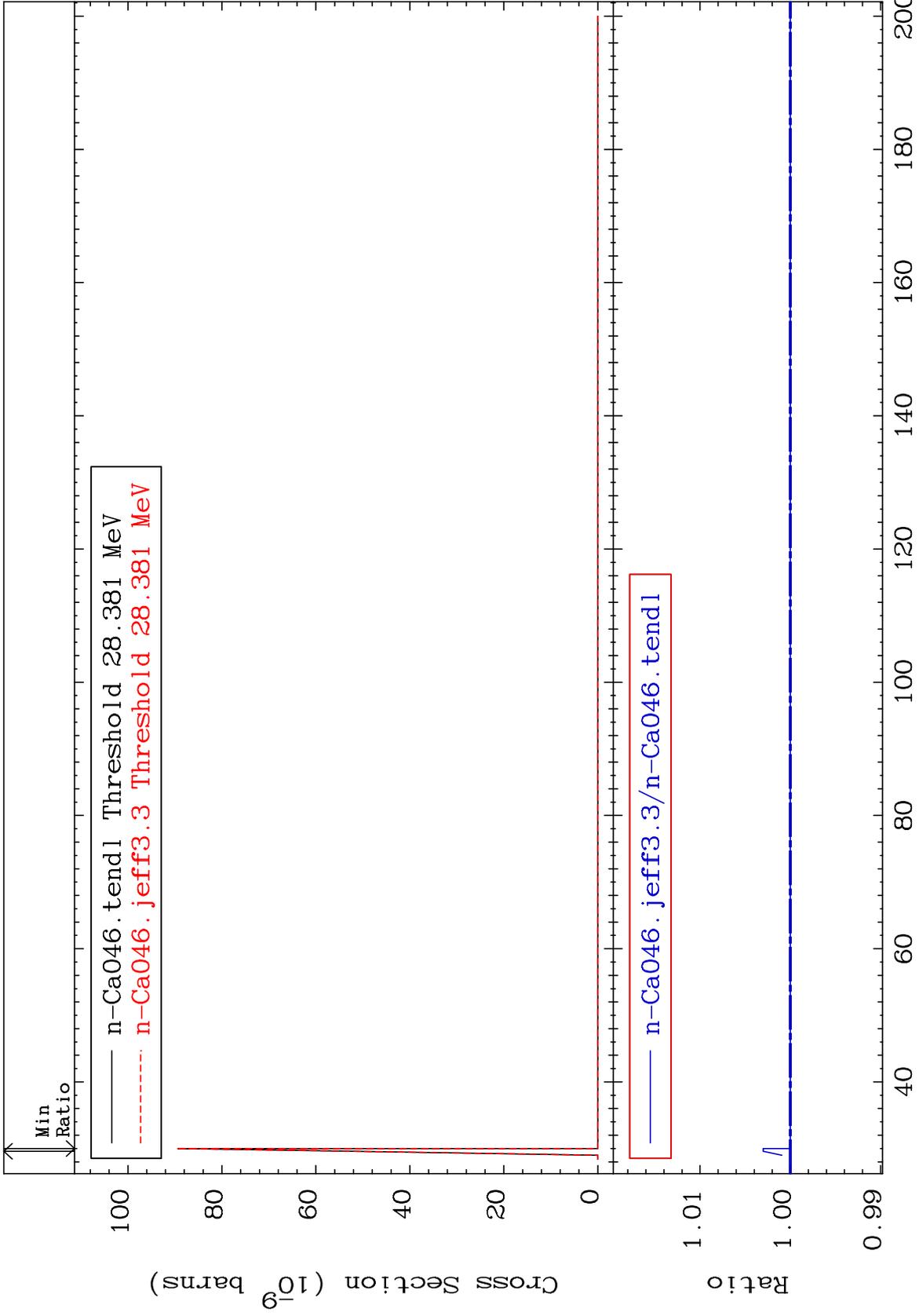
MAT 2043

(n,2n) d

20-Ca-46

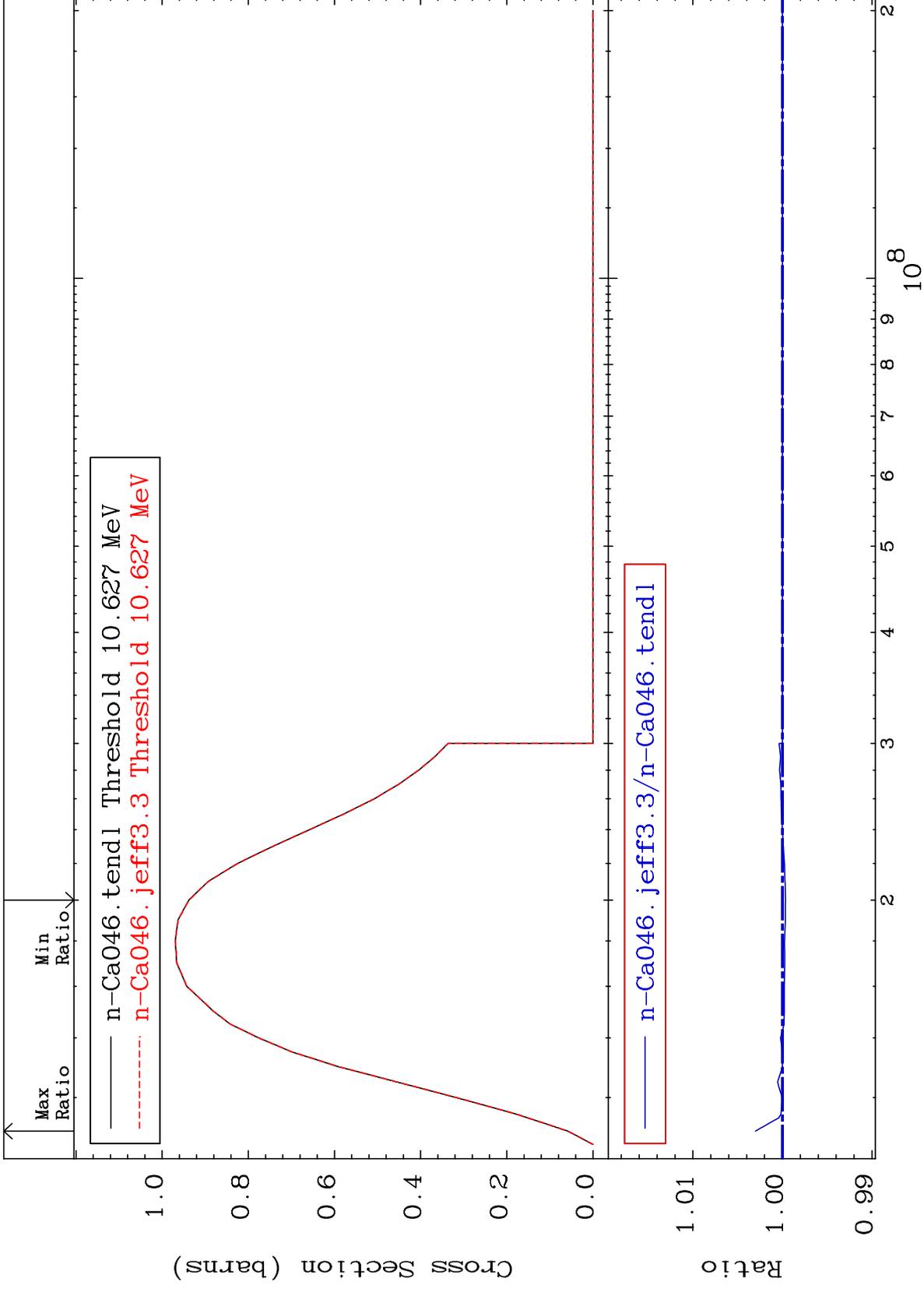
Cross Section

0.000 To 0.301 %



Cross Section

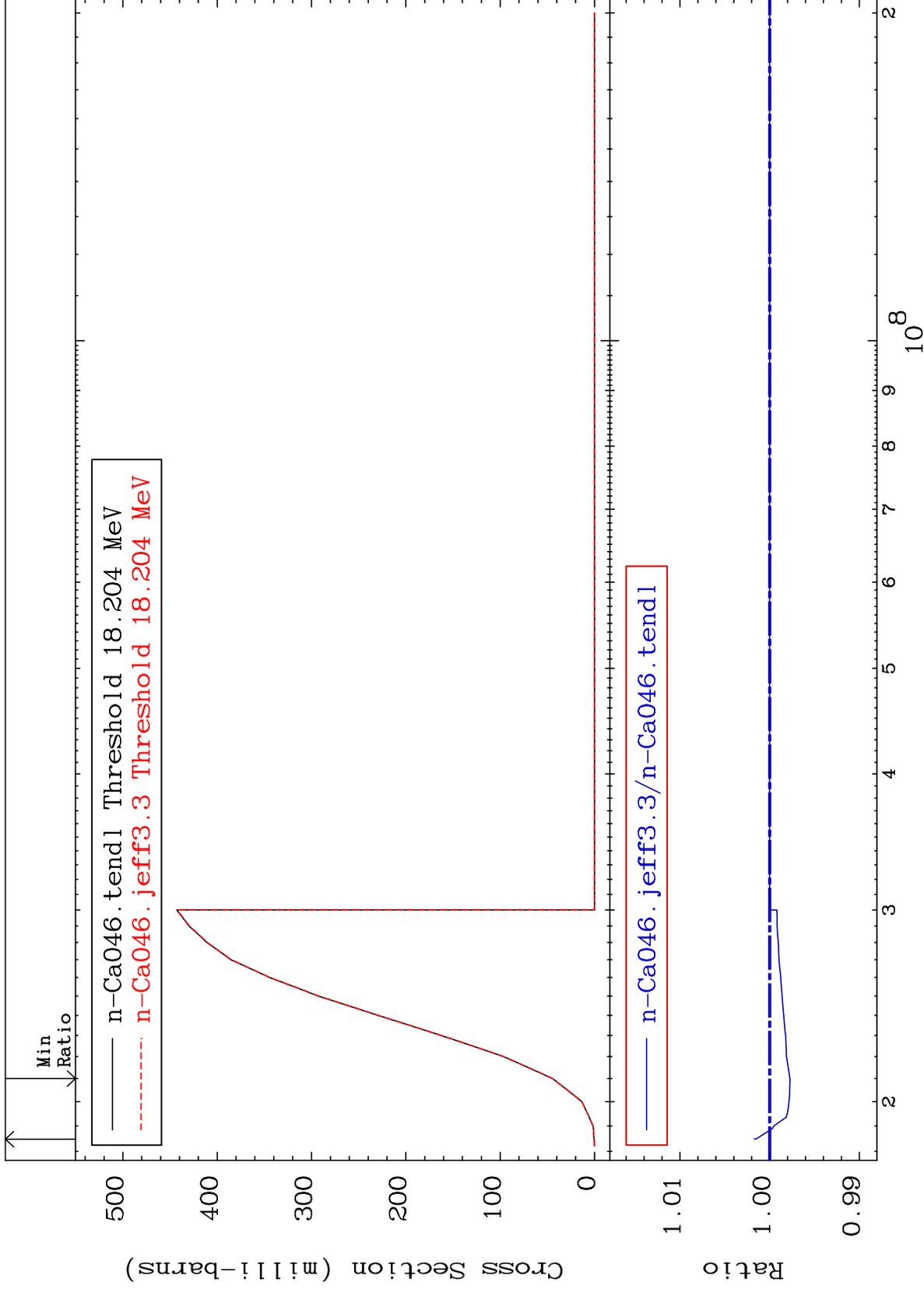
-0.034 To 0.302 %



MAT 2043

(n,3n)  
Cross Section

20-Ca-46  
-0.226 To 0.174 %



6

Incident Energy (eV)

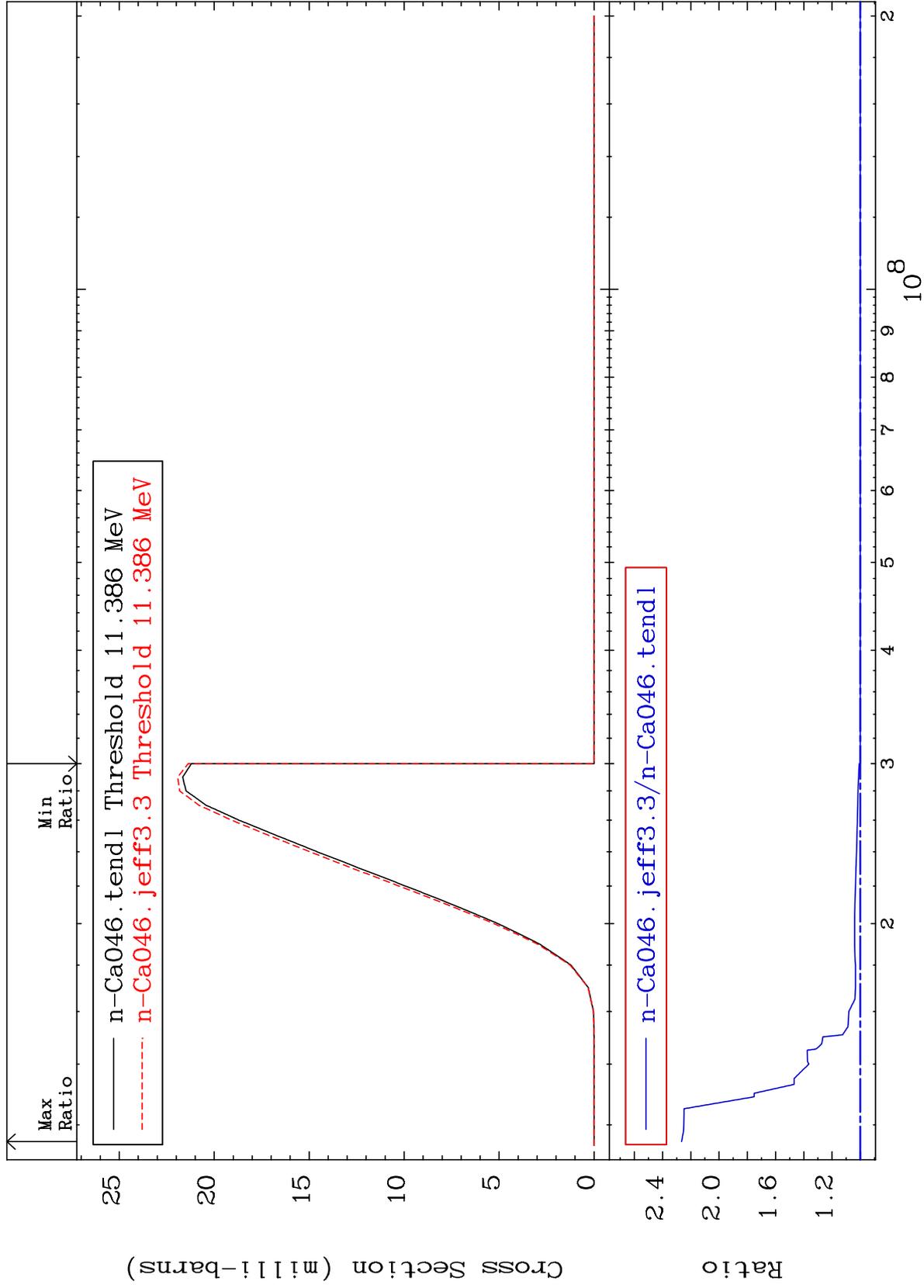
20-Ca-46

MAT 2043

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

20-Ca-46

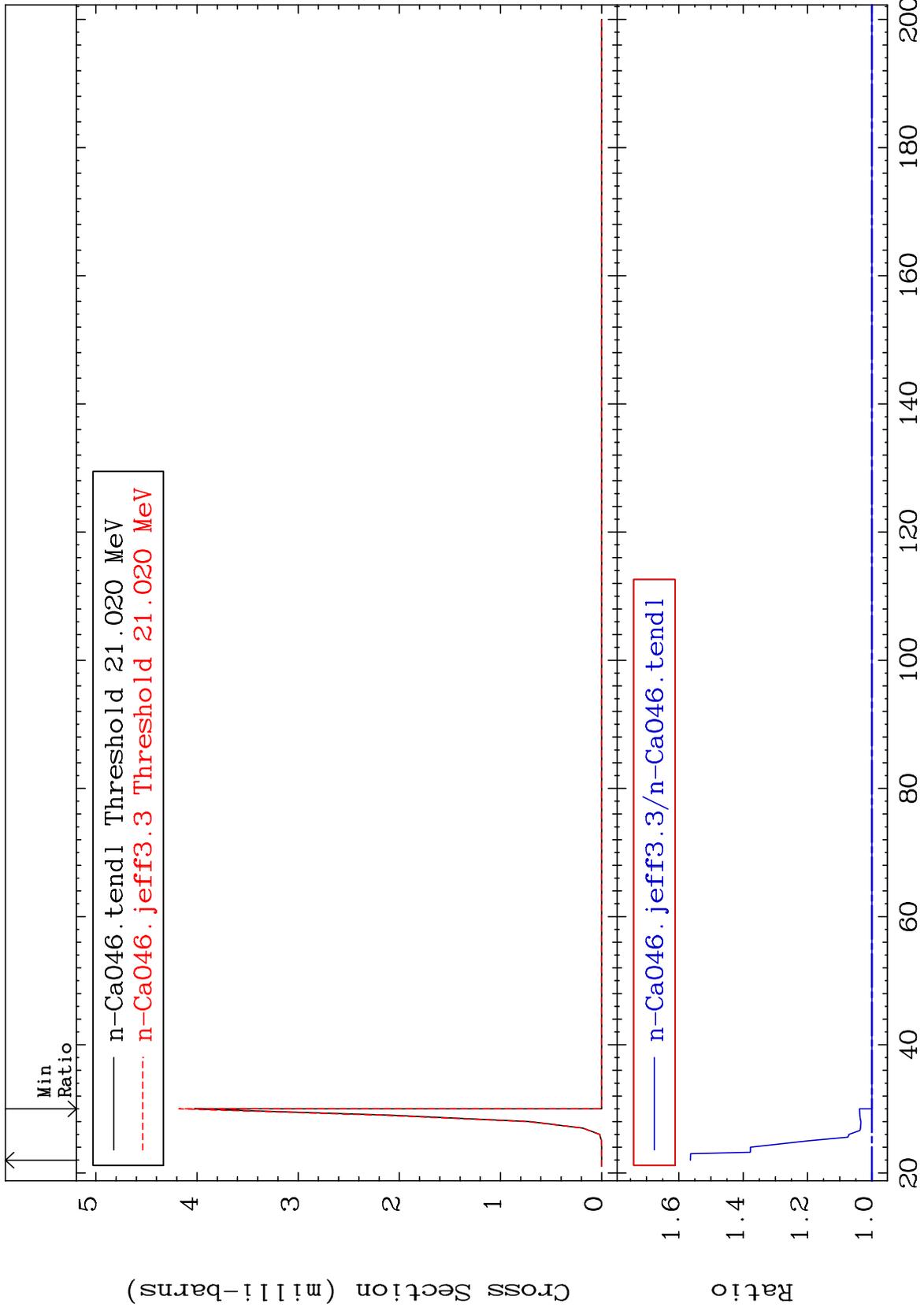
0.000 To 126.5 %



MAT 2043

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

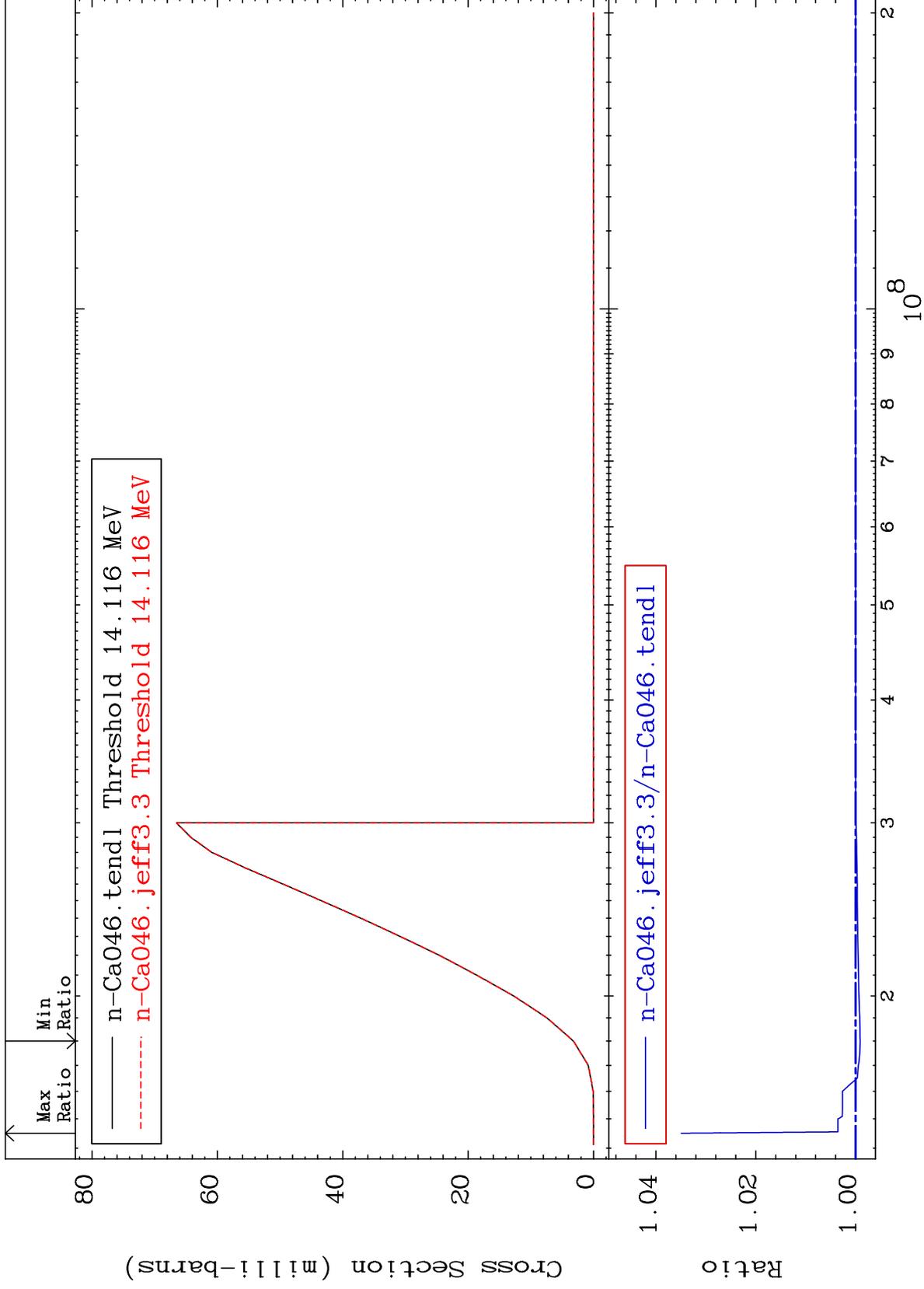
20-Ca-46  
To 56.36 %  
0.000



MAT 2043

(n, n') p  
Cross Section

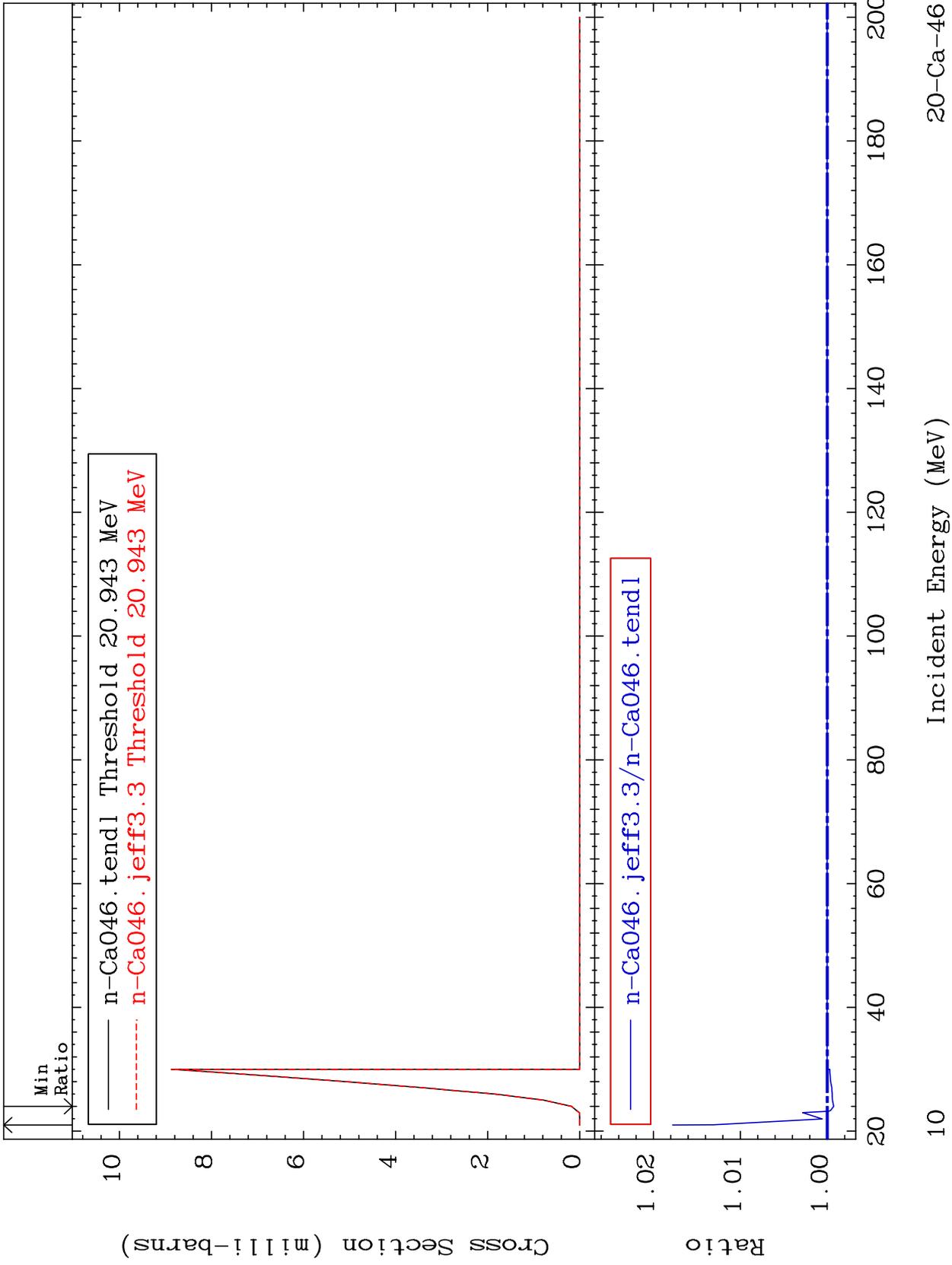
20-Ca-46  
-0.092 To 3.494 %



MAT 2043

(n,n') d  
Cross Section

20-Ca-46  
-0.074 To 1.778 %



20-Ca-46

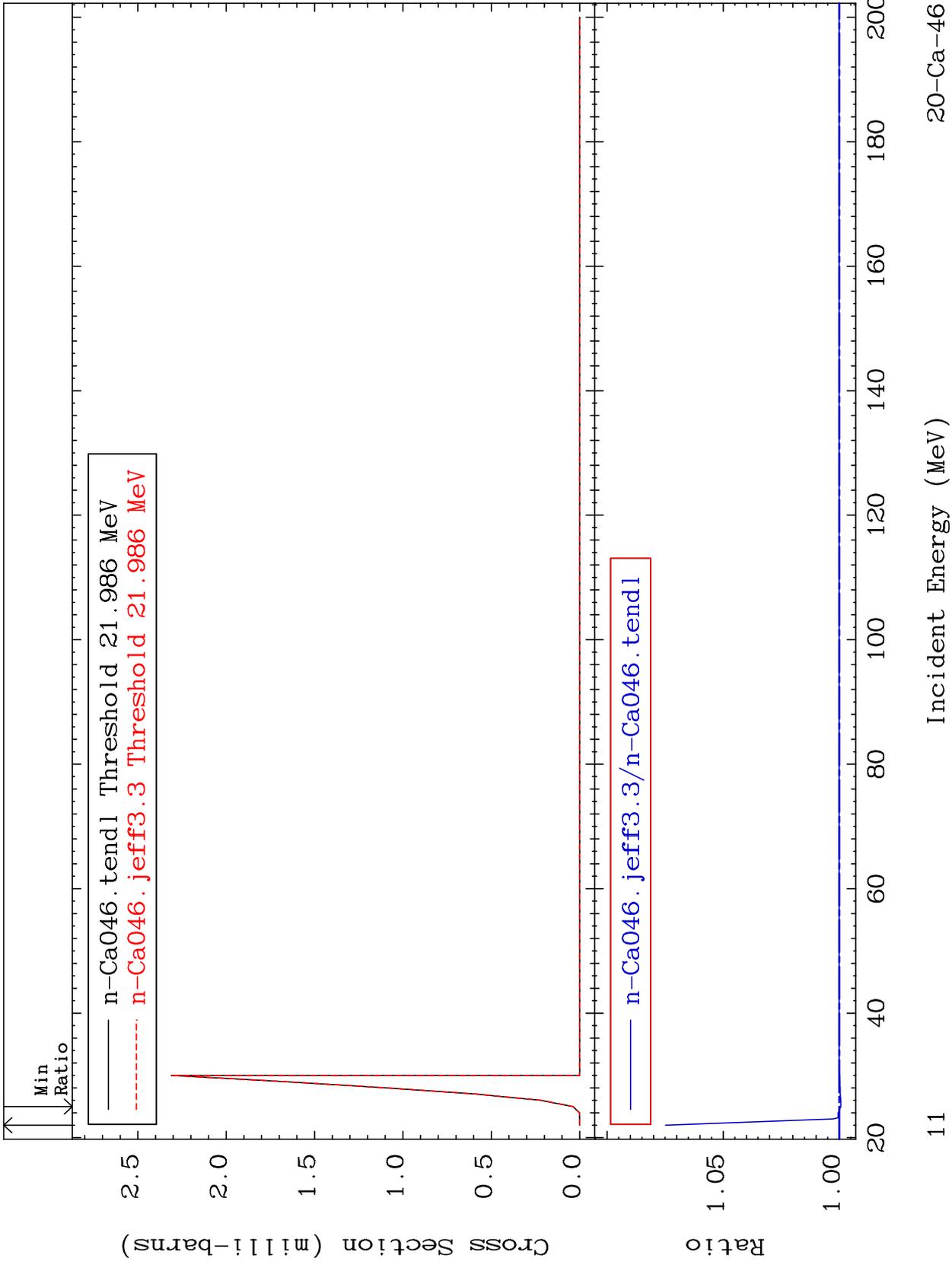
Incident Energy (MeV)

10

MAT 2043

(n,n') t  
Cross Section

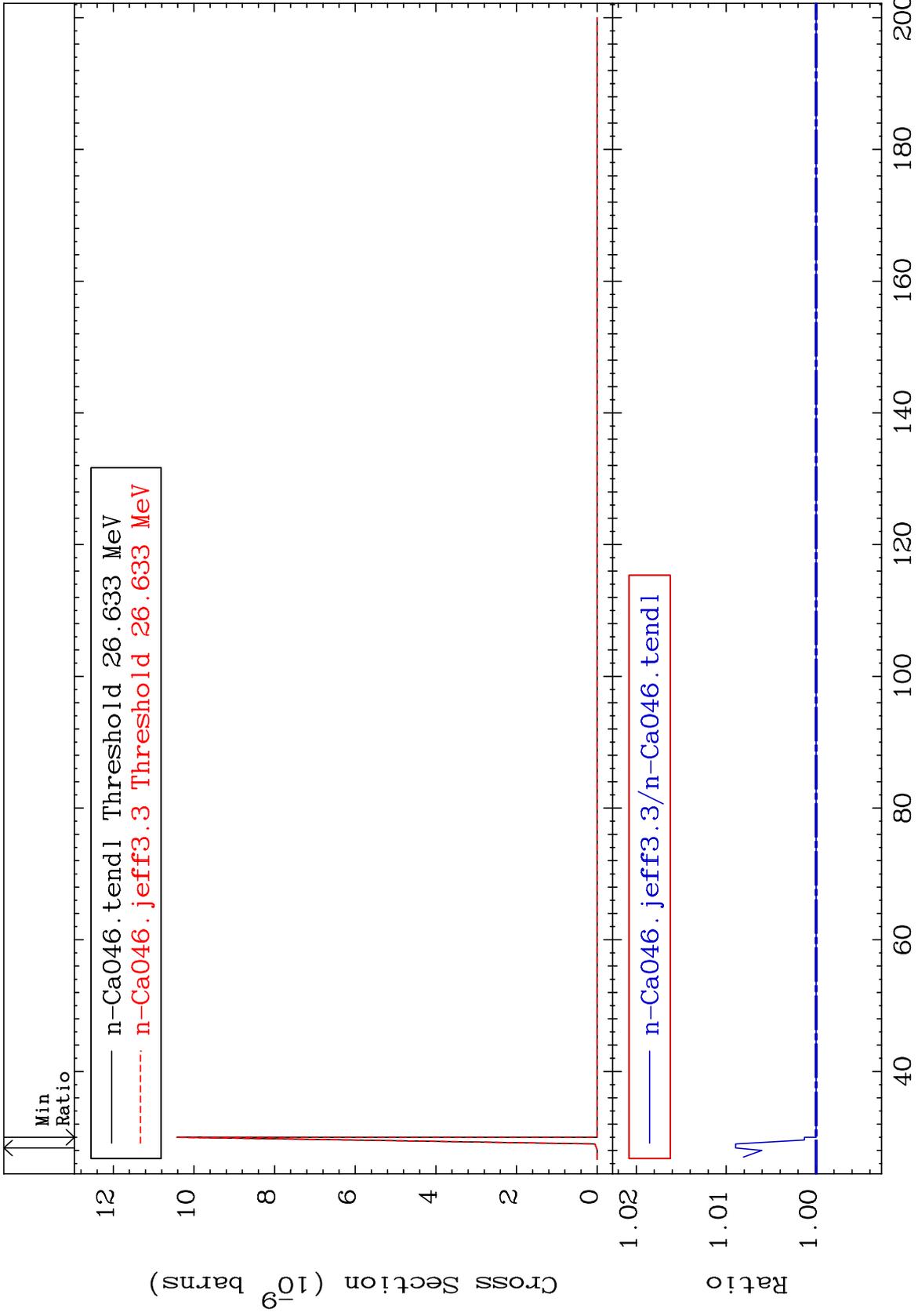
20-Ca-46  
-0.067 To 7.485 %



MAT 2043

(n, n') He-3  
Cross Section

20-Ca-46  
To 0.895 %



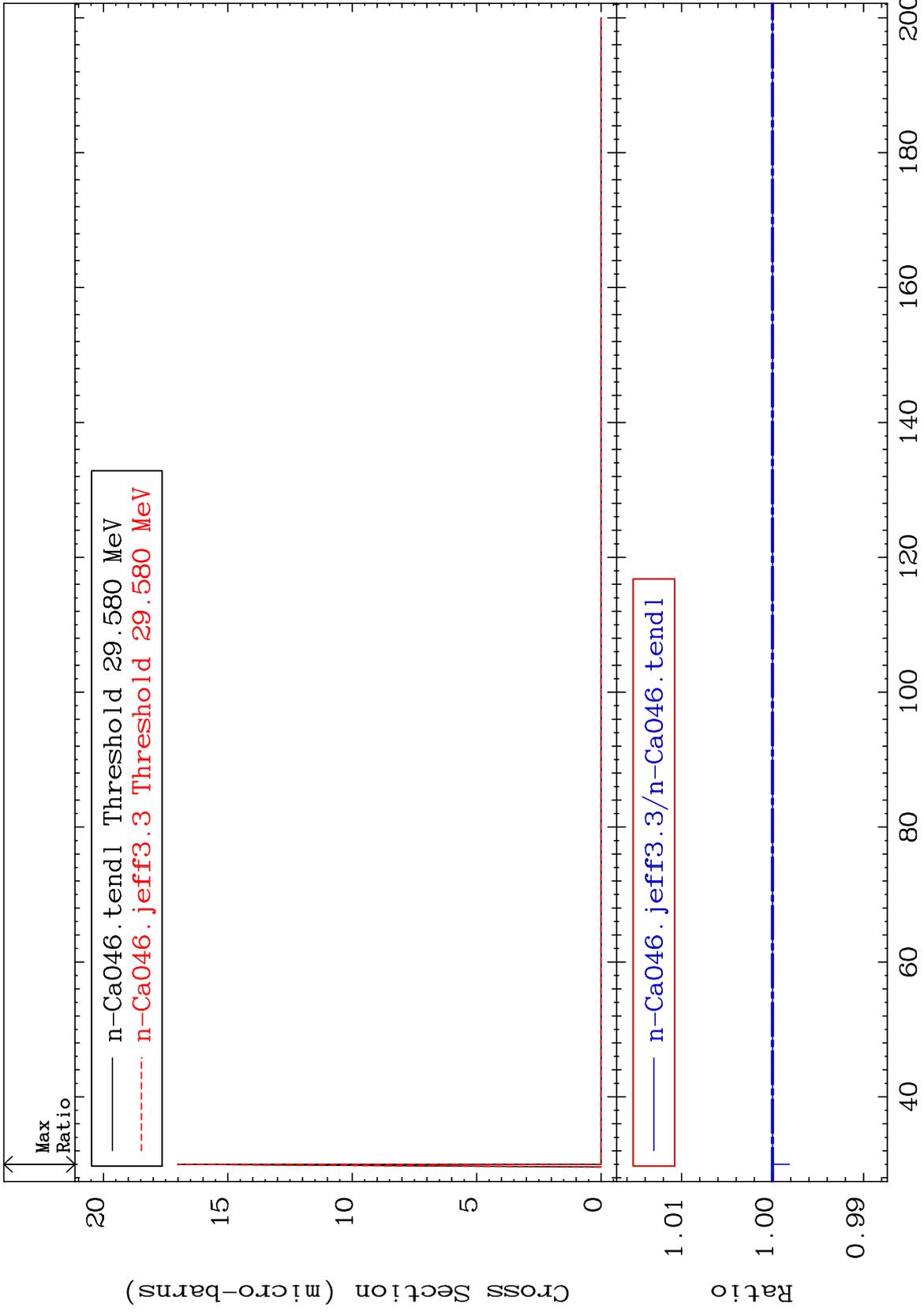
MAT 2043

(n,4n)

20-Ca-46

Cross Section

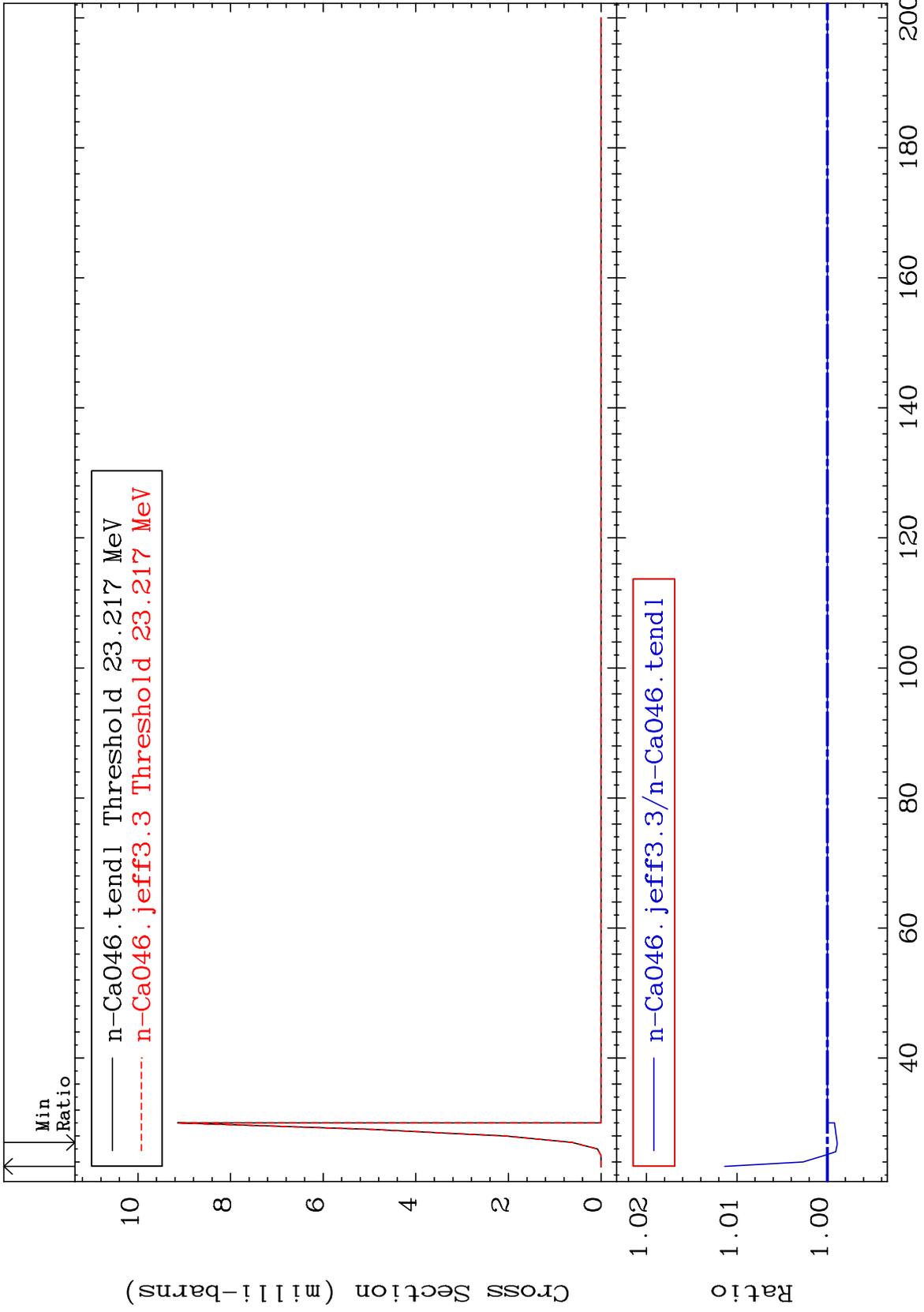
-0.186 To 0.000 %



MAT 2043

(n,2n) p  
Cross Section

20-Ca-46  
-0.108 To 1.135 %



14

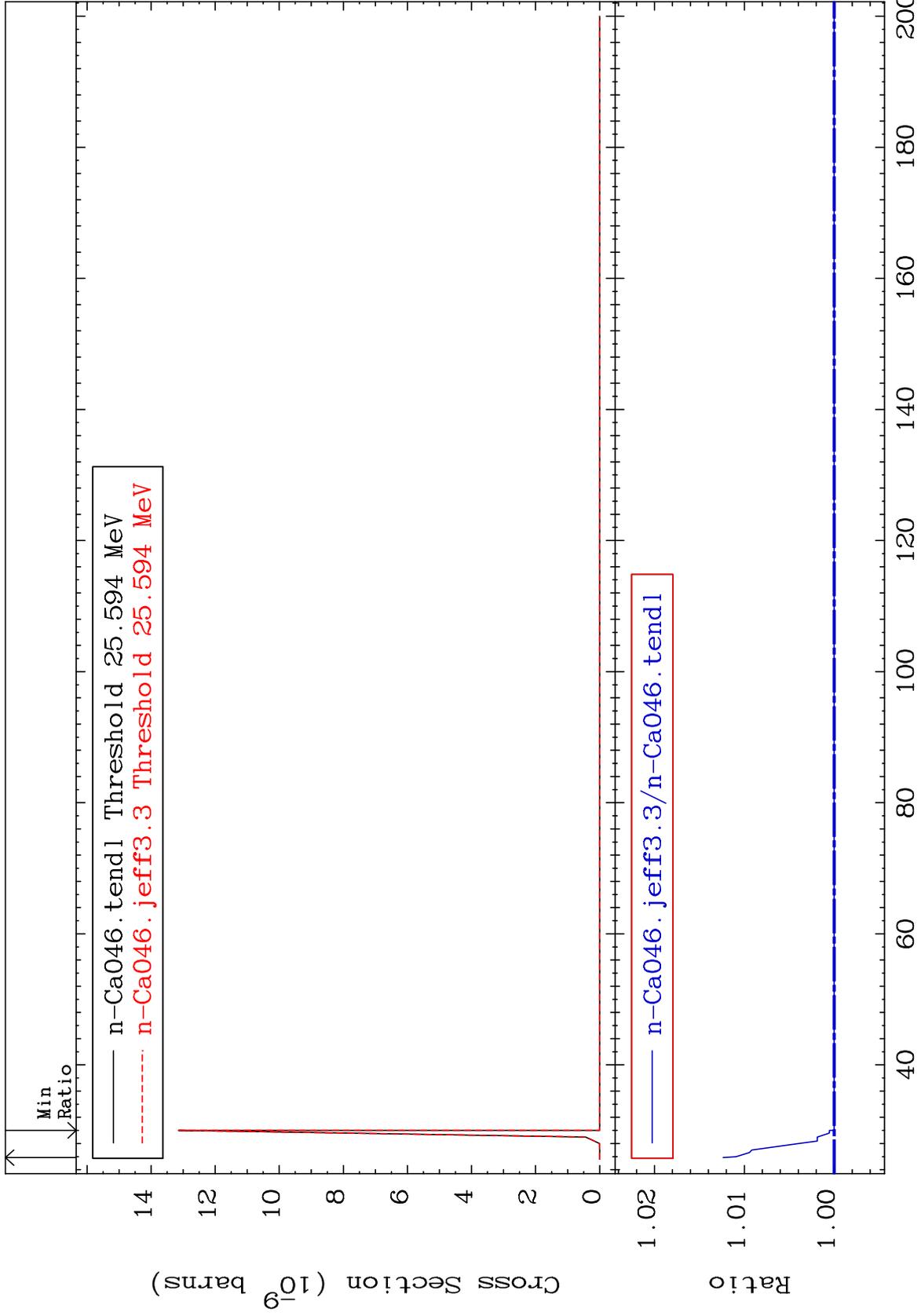
Incident Energy (MeV)

20-Ca-46

MAT 2043

(n,2n) p  
Cross Section

20-Ca-46  
To 1.236 %  
0.000



15

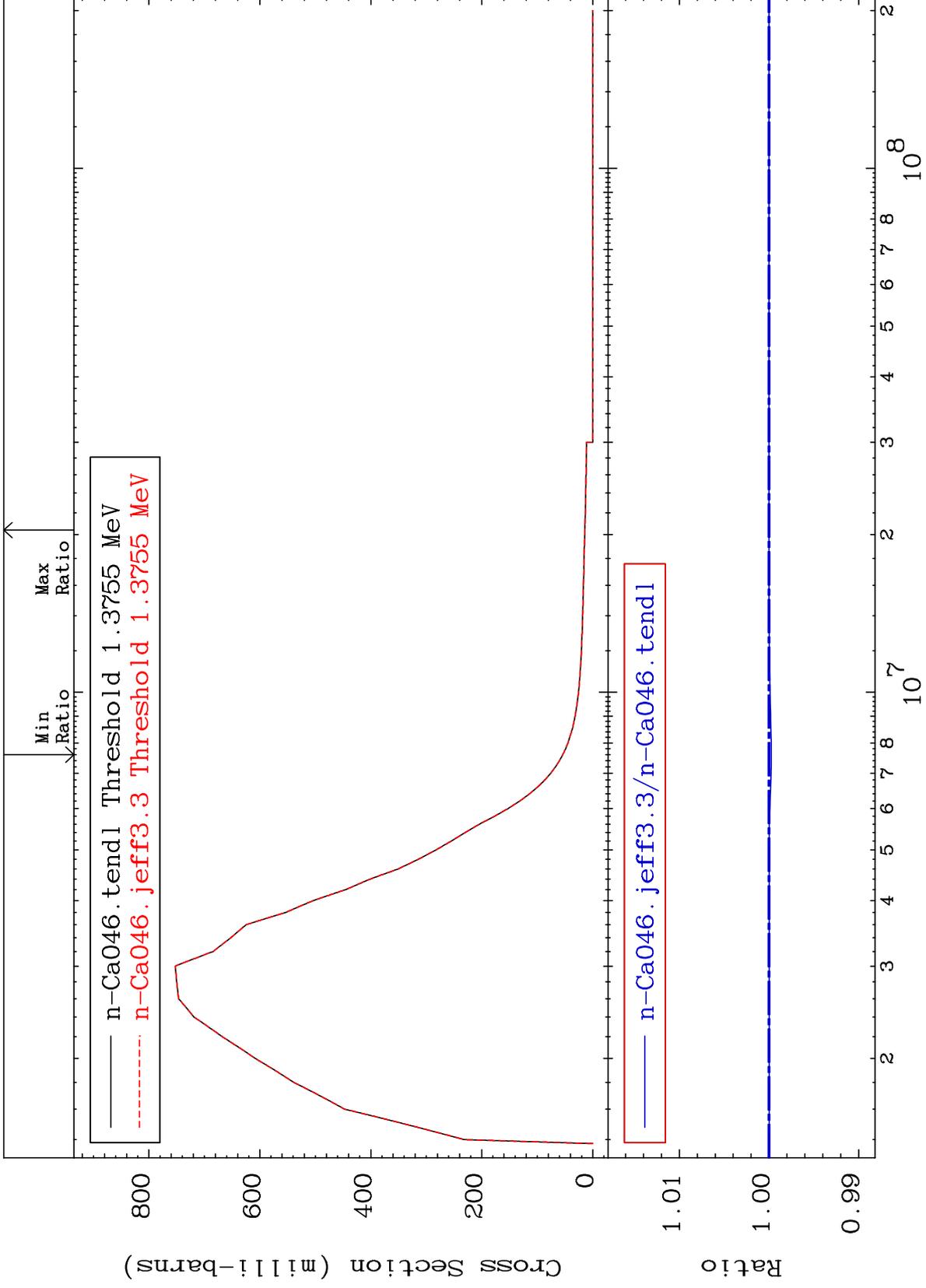
Incident Energy (MeV)

20-Ca-46

MAT 2043

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

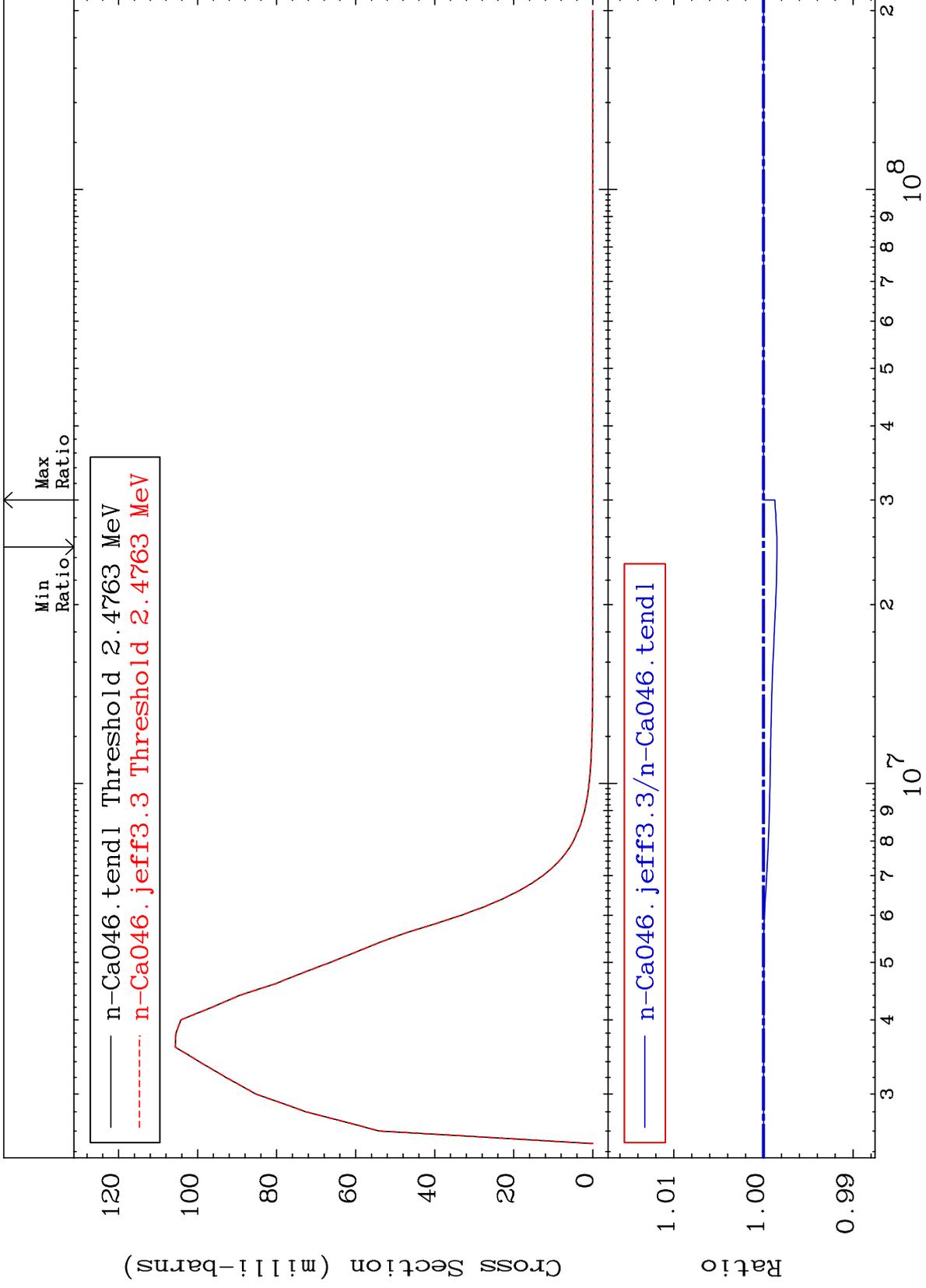
20-Ca-46  
-0.025 To 0.000 %



MAT 2043

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

20-Ca-46  
-0.149 To 0.000 %



17

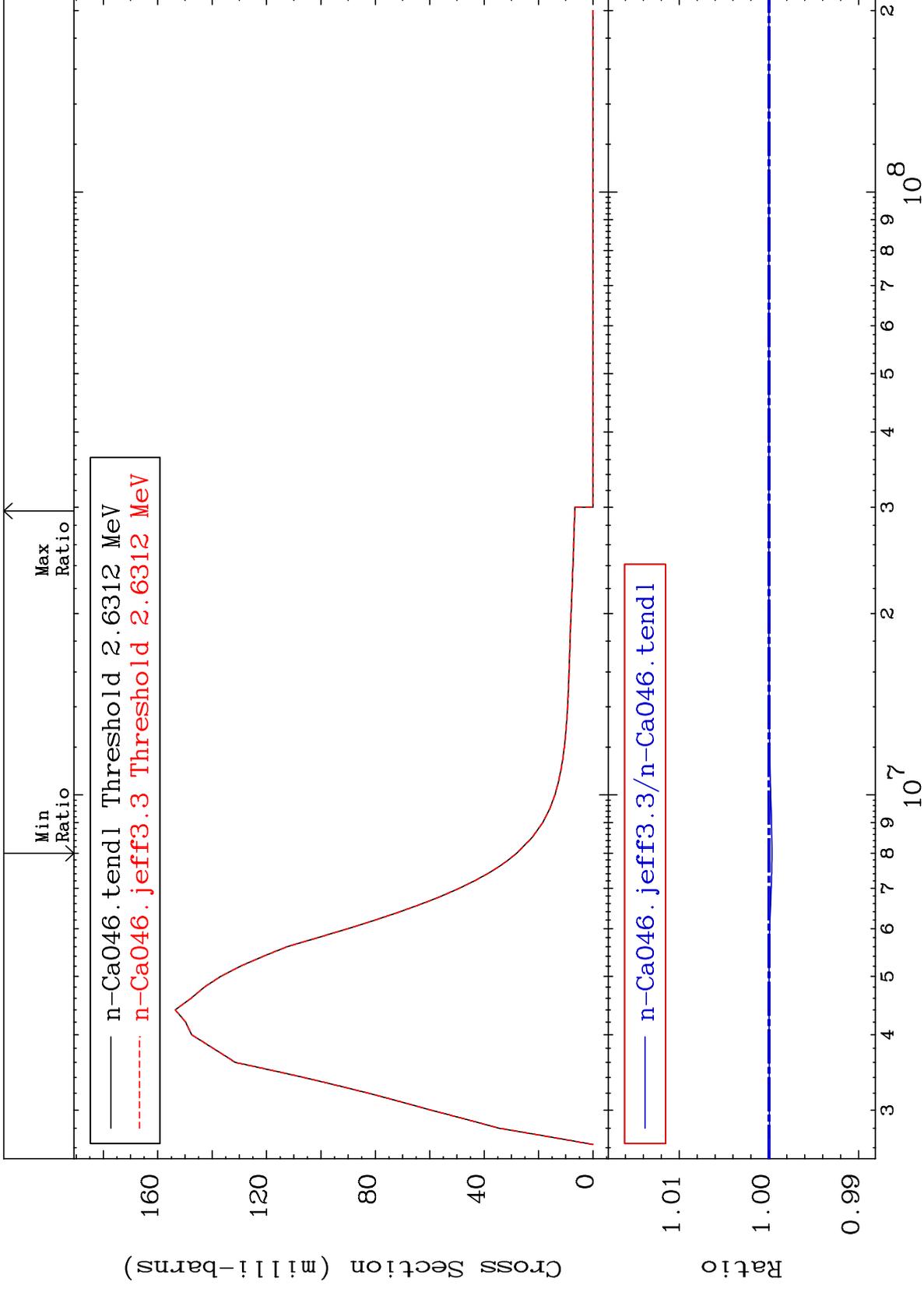
Incident Energy (eV)

20-Ca-46

MAT 2043

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

20-Ca-46  
-0.034 To 0.000 %



— n-Ca046.tendl Threshold 2.6312 MeV  
- - - n-Ca046.jeff3.3 Threshold 2.6312 MeV

— n-Ca046.jeff3.3/n-Ca046.tendl

18

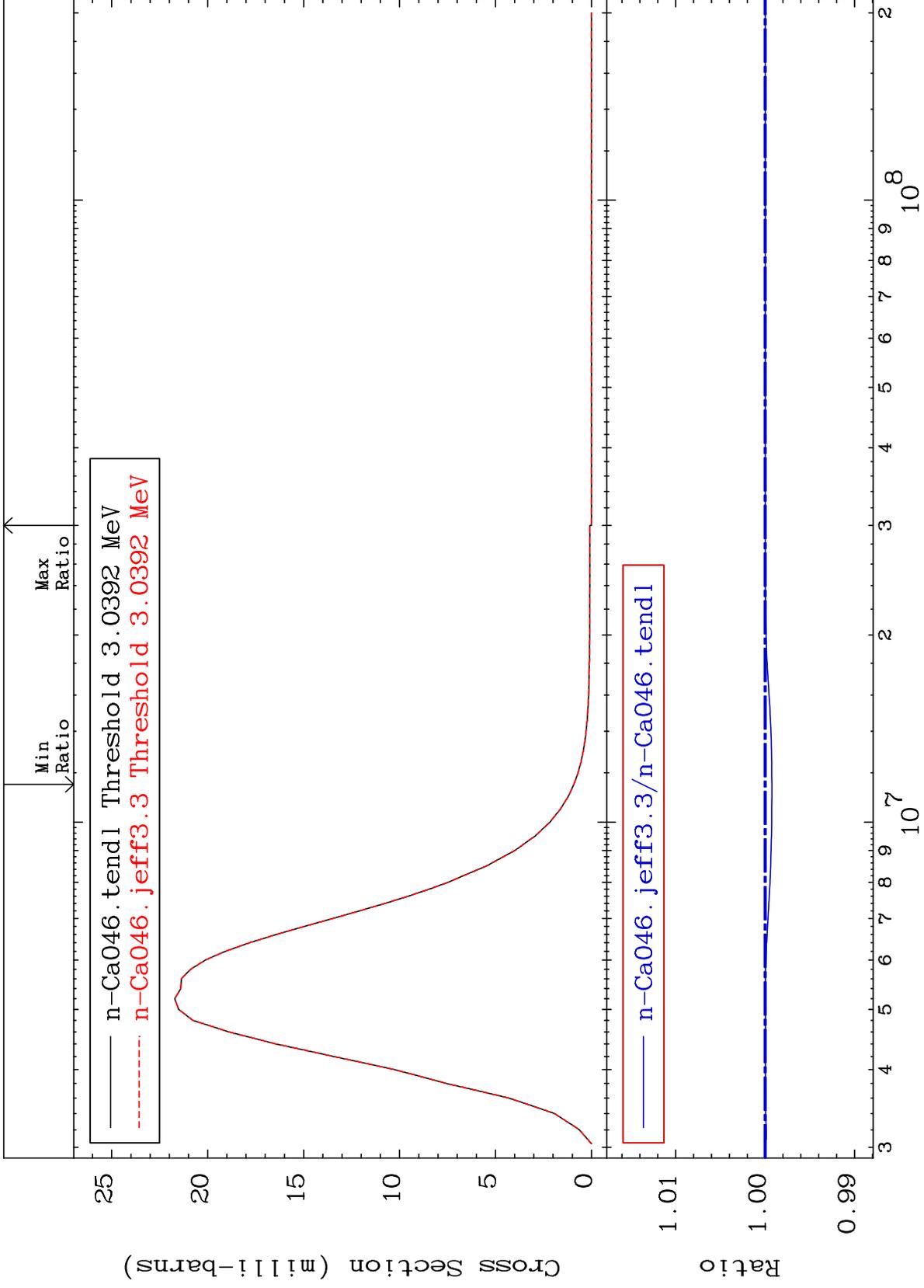
Incident Energy (eV)

20-Ca-46

MAT 2043

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

20-Ca-46  
-0.075 To 0.000 %



19

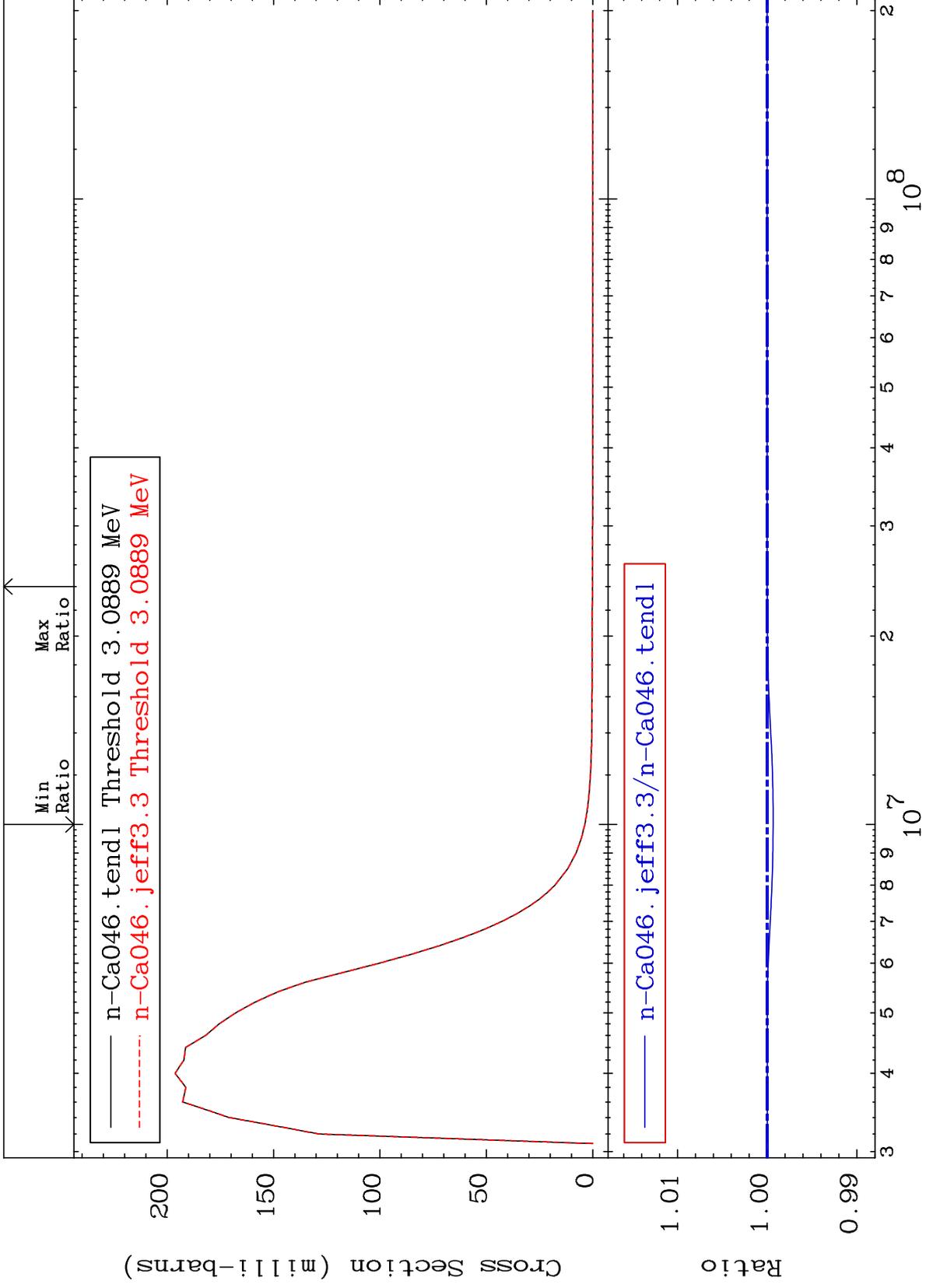
Incident Energy (eV)

20-Ca-46

MAT 2043

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

20-Ca-46  
-0.067 To 0.000 %



20

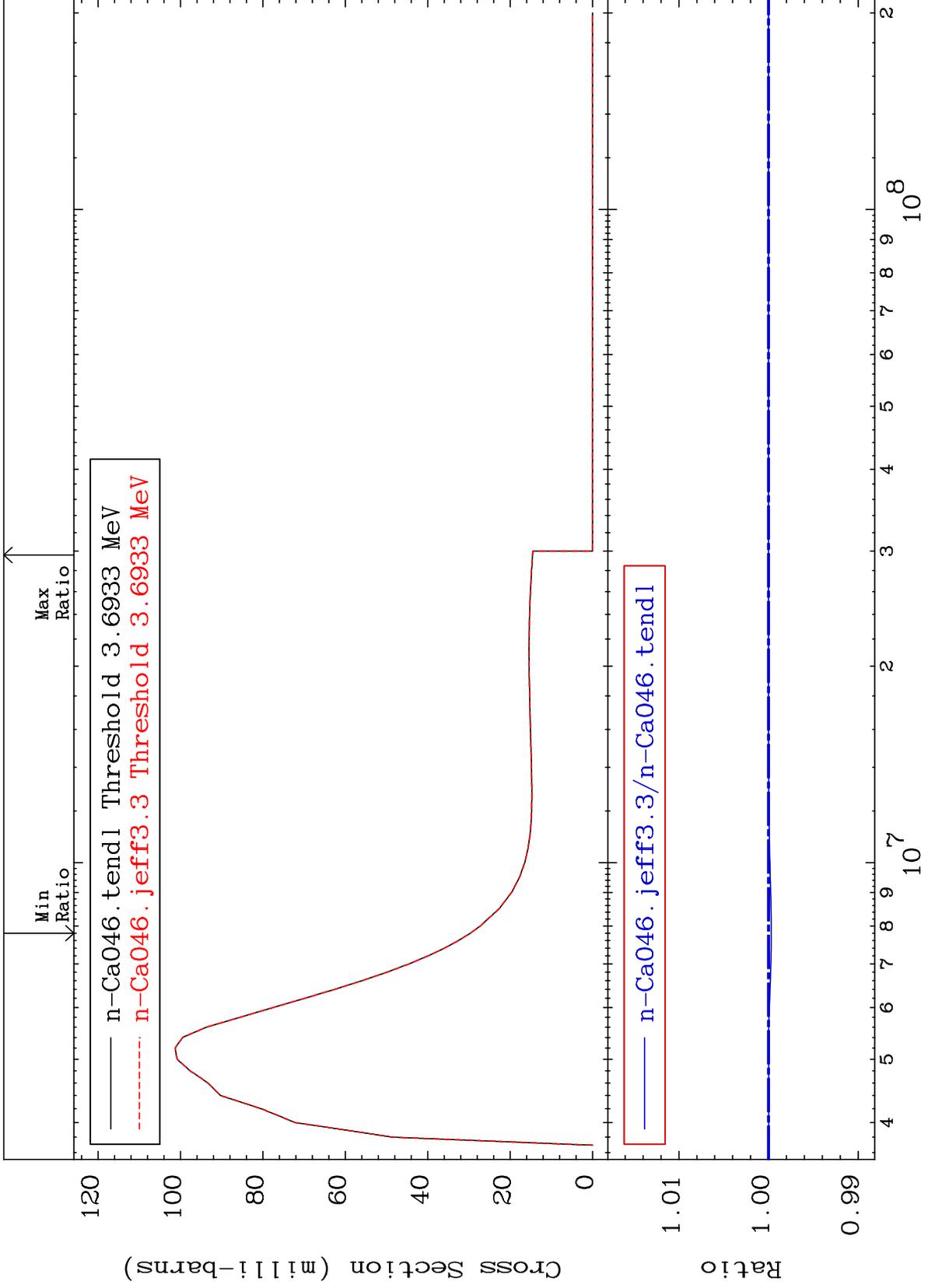
Incident Energy (eV)

20-Ca-46

MAT 2043

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

20-Ca-46  
-0.030 To 0.000 %



21

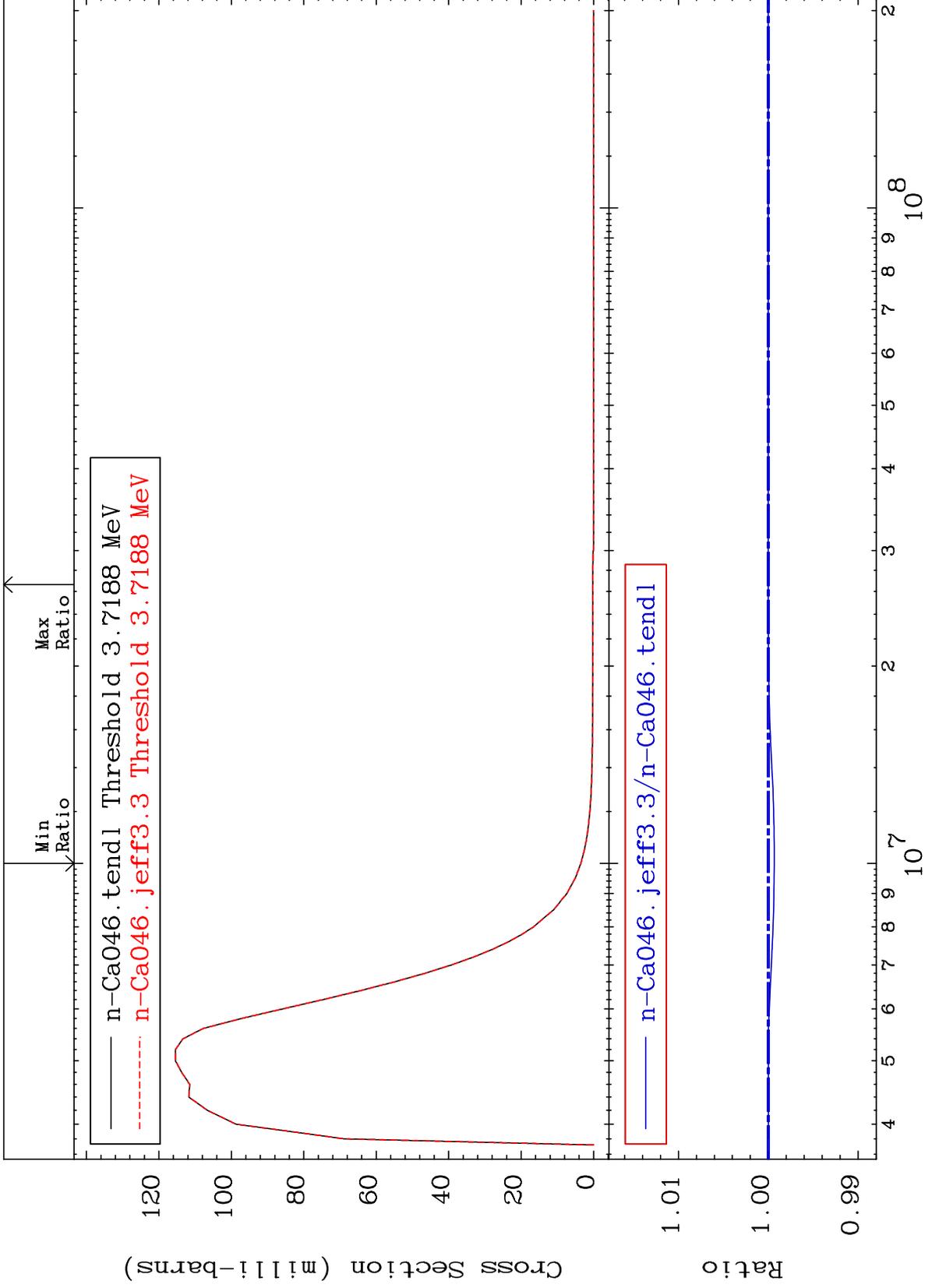
Incident Energy (eV)

20-Ca-46

MAT 2043

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

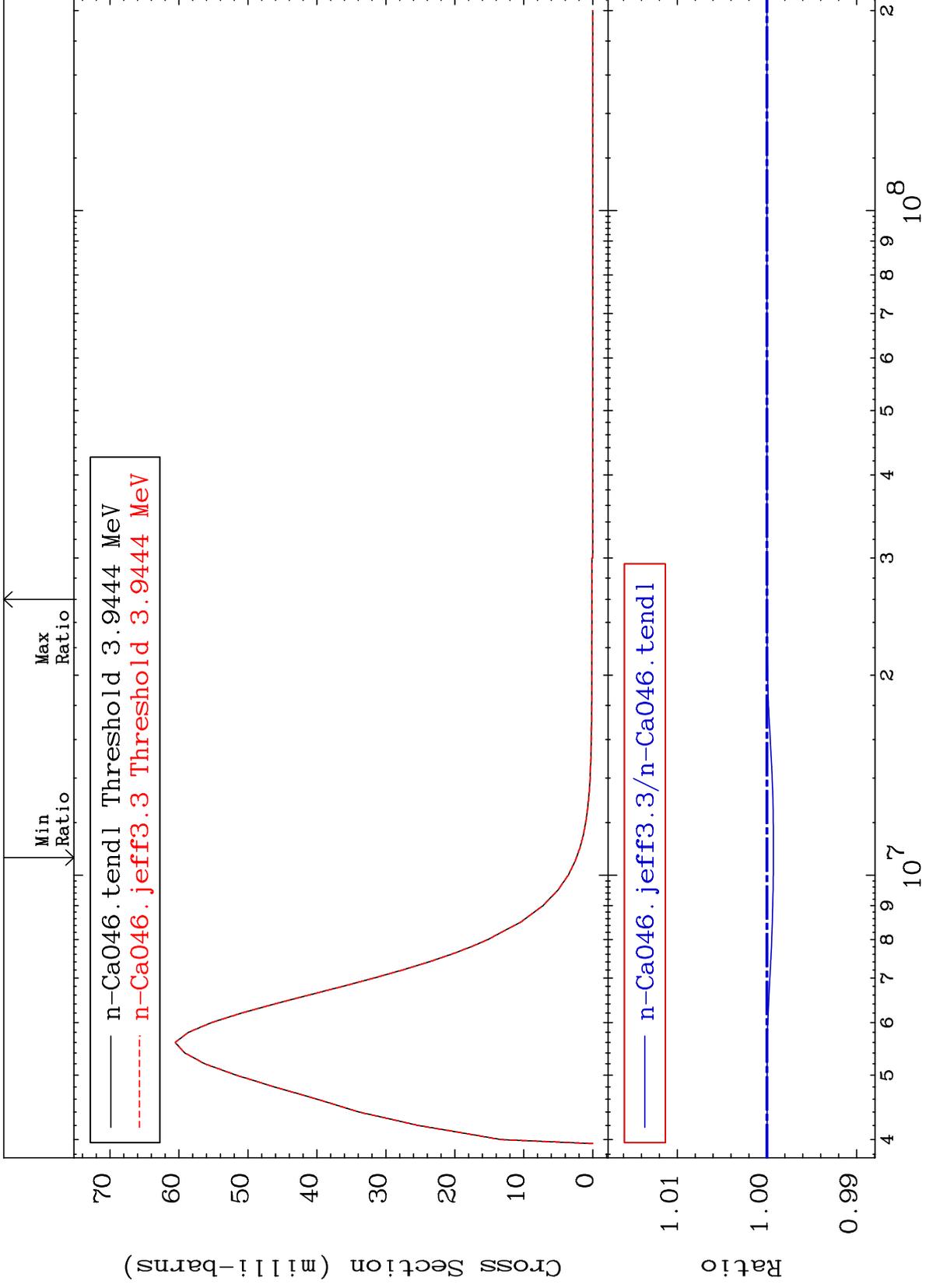
20-Ca-46  
-0.067 To 0.000 %



MAT 2043

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

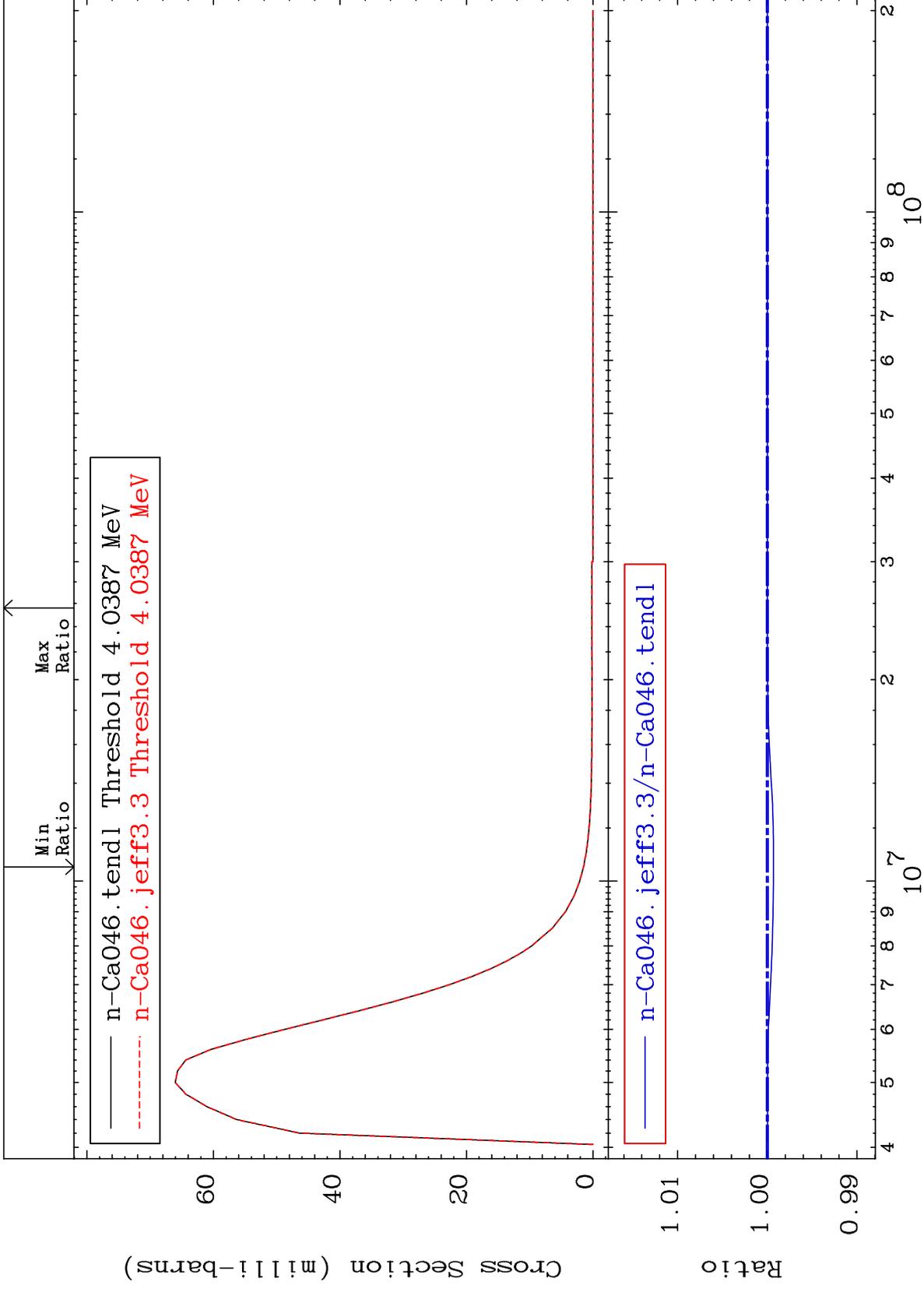
20-Ca-46  
-0.072 To 0.000 %



MAT 2043

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

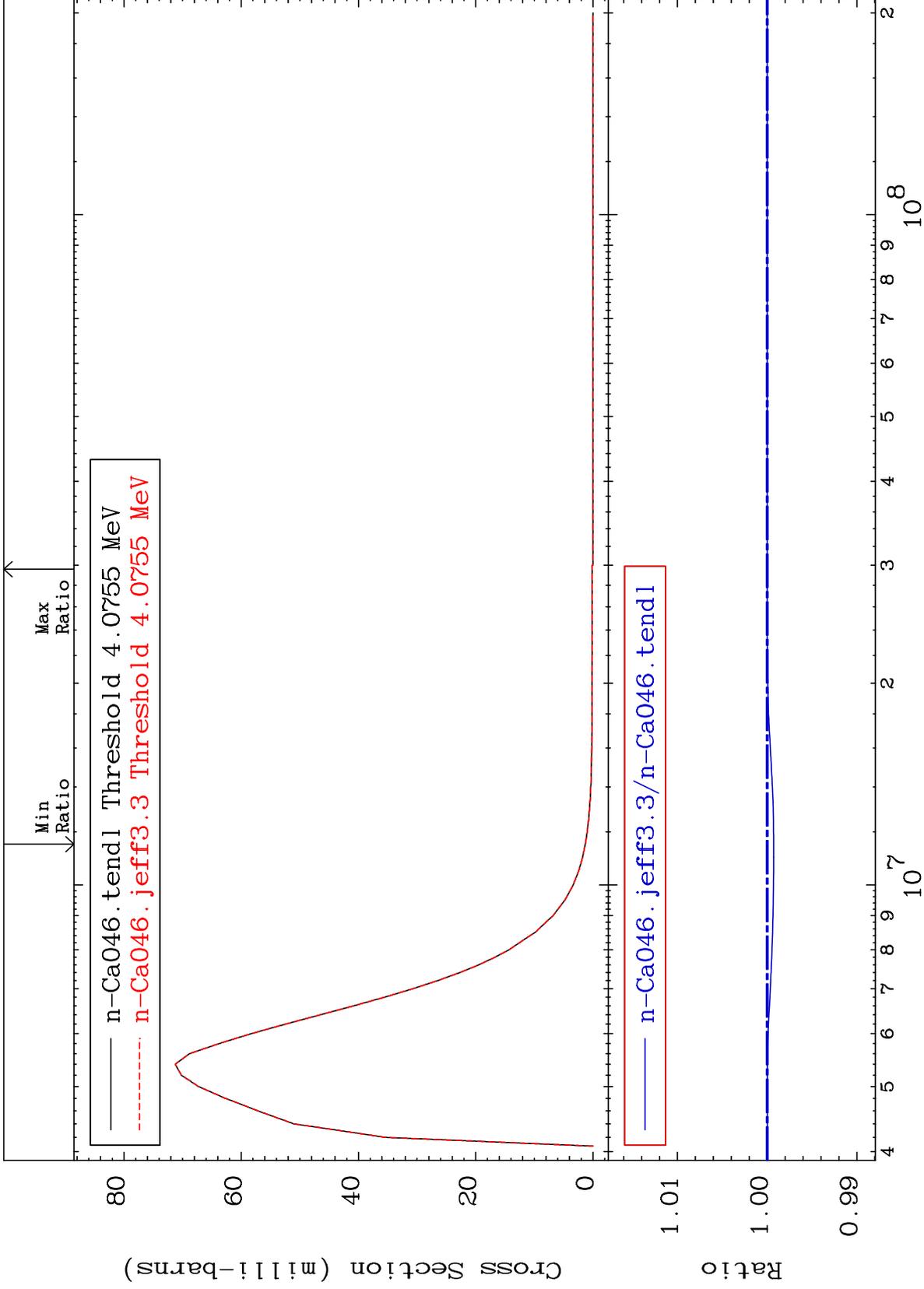
20-Ca-46  
-0.069 To 0.000 %



MAT 2043

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

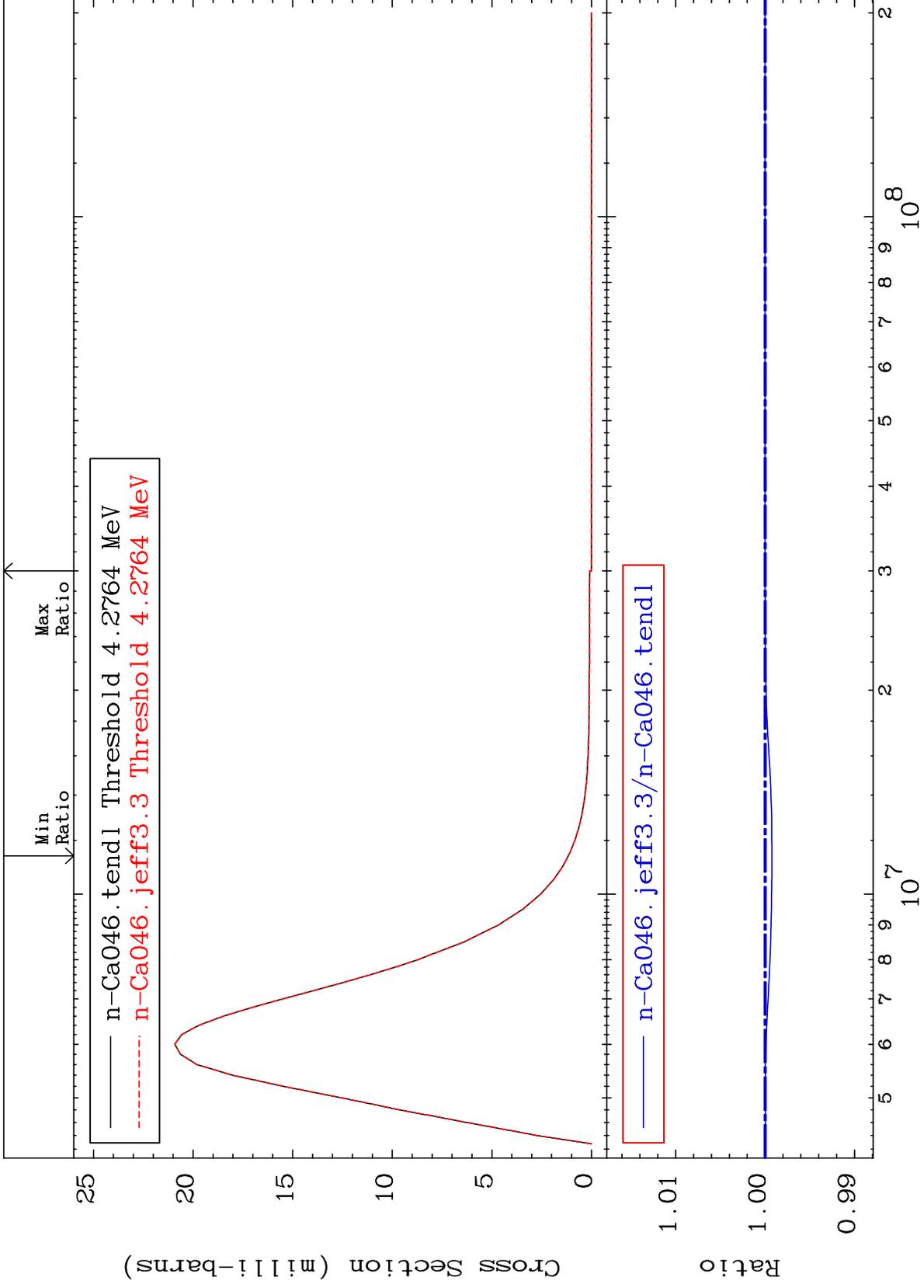
20-Ca-46  
-0.073 To 0.000 %



MAT 2043

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

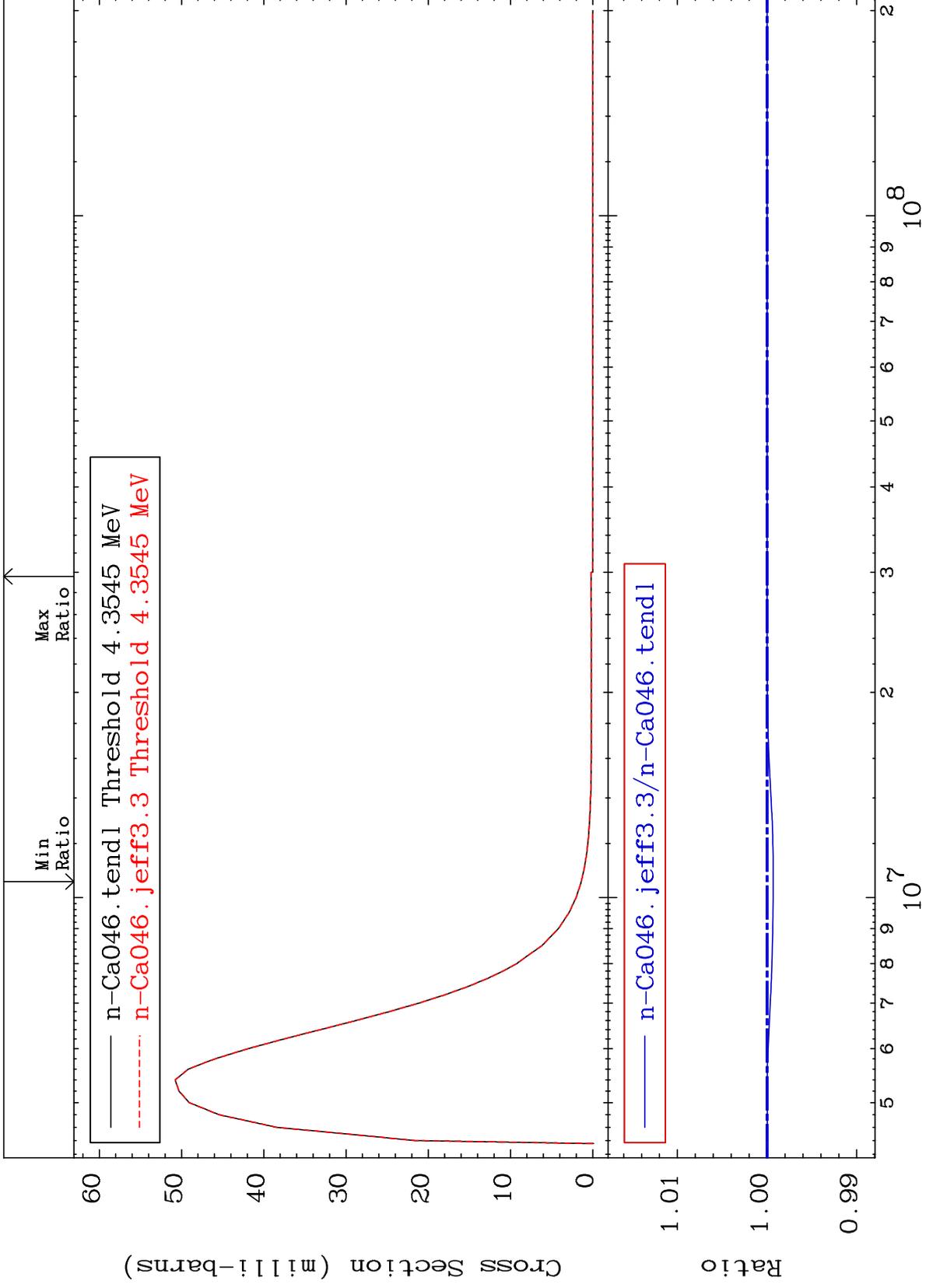
20-Ca-46  
-0.076 To 0.000 %



MAT 2043

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

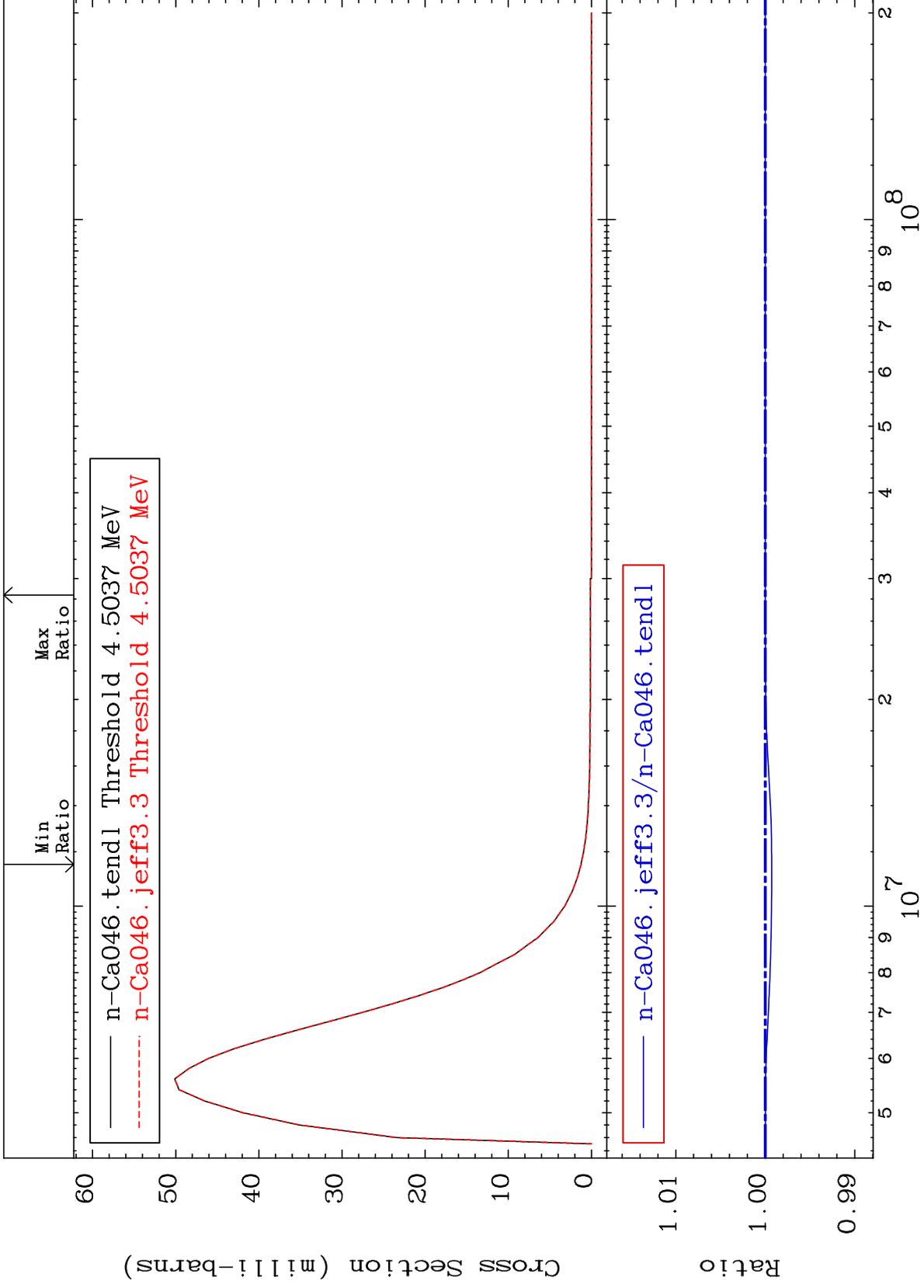
20-Ca-46  
-0.068 To 0.000 %



MAT 2043

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

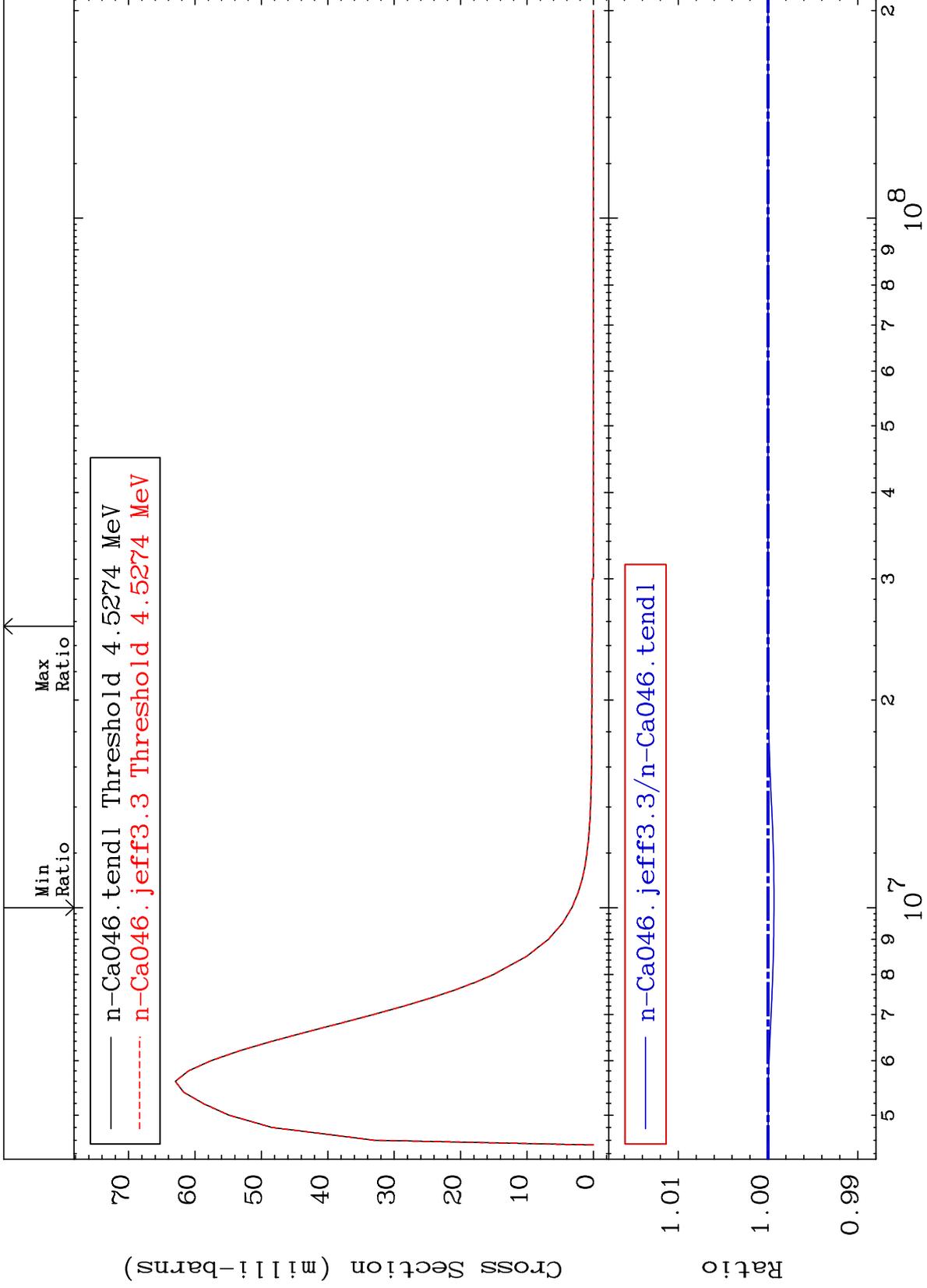
20-Ca-46  
-0.072 To 0.000 %



MAT 2043

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

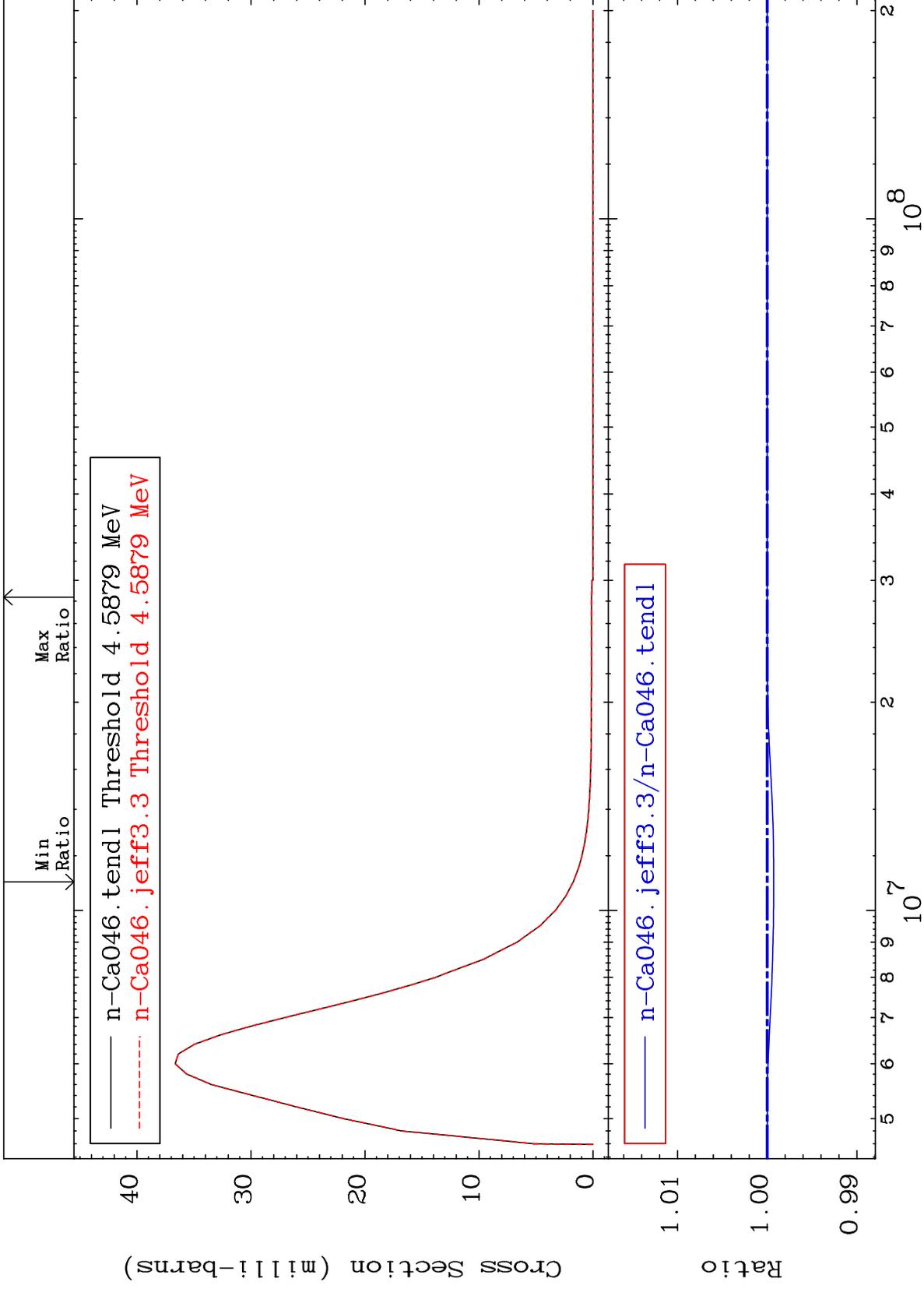
20-Ca-46  
-0.067 To 0.000 %



MAT 2043

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

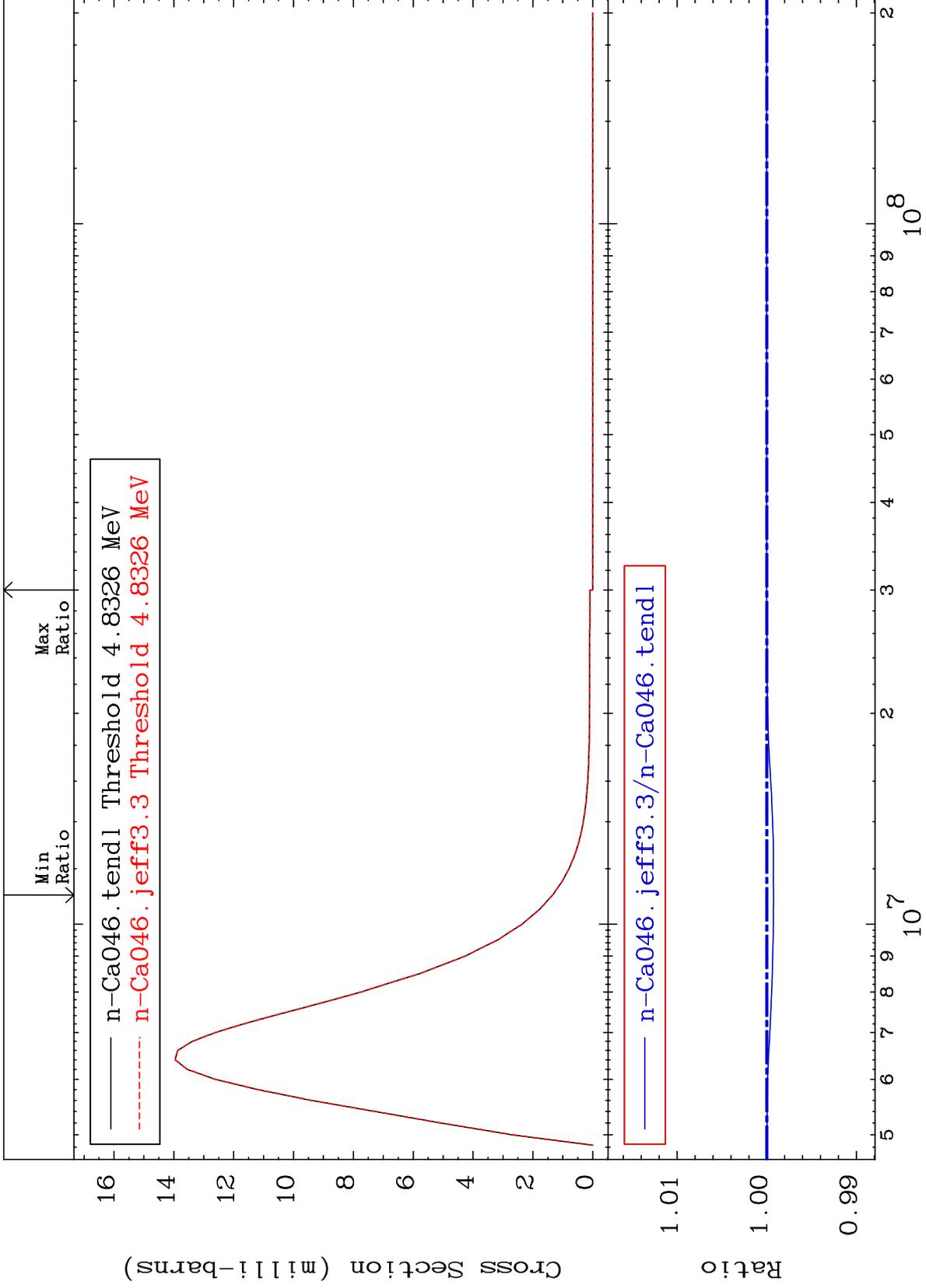
20-Ca-46  
-0.072 To 0.000 %



MAT 2043

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

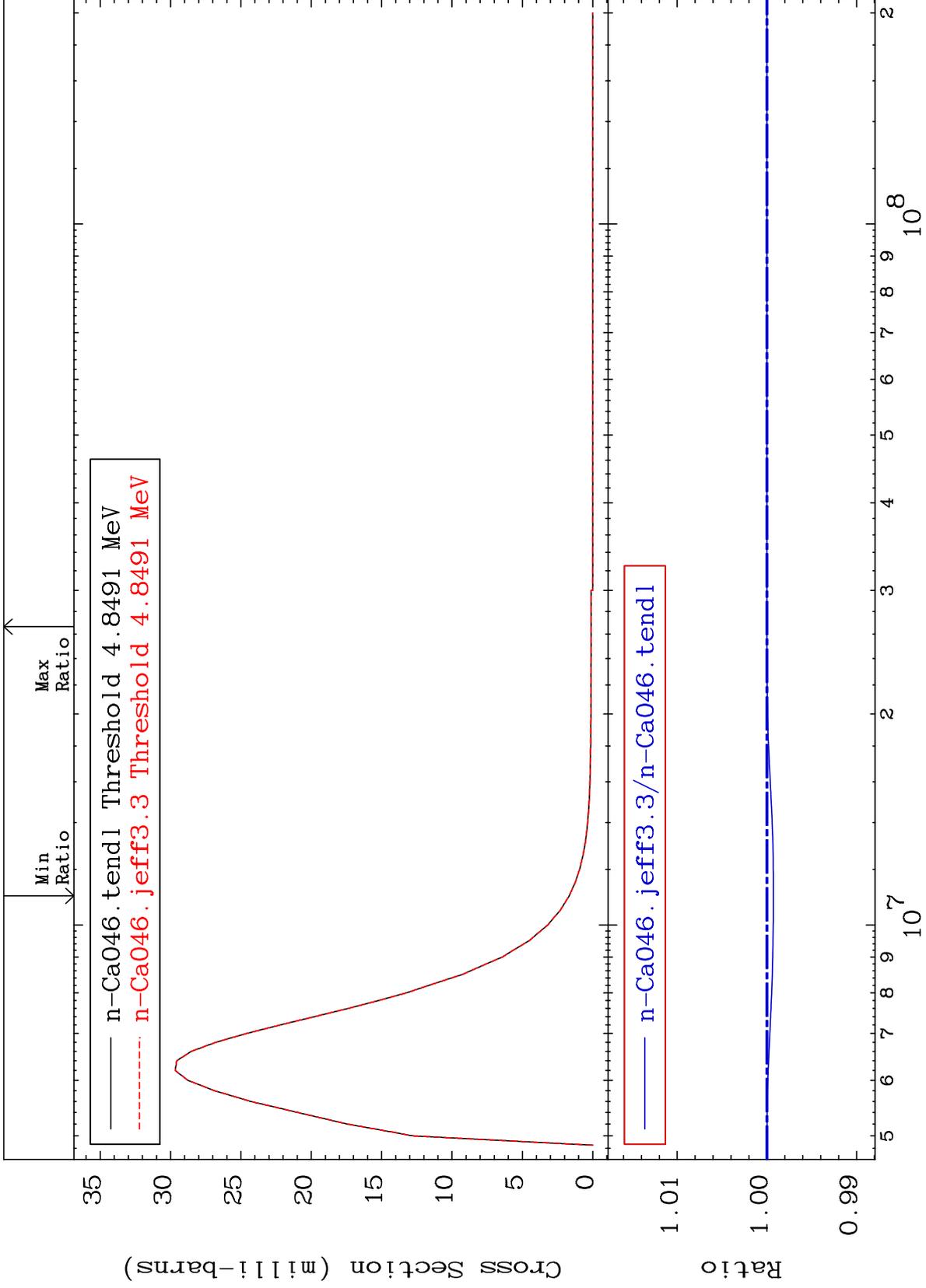
20-Ca-46  
-0.075 To 0.000 %



MAT 2043

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

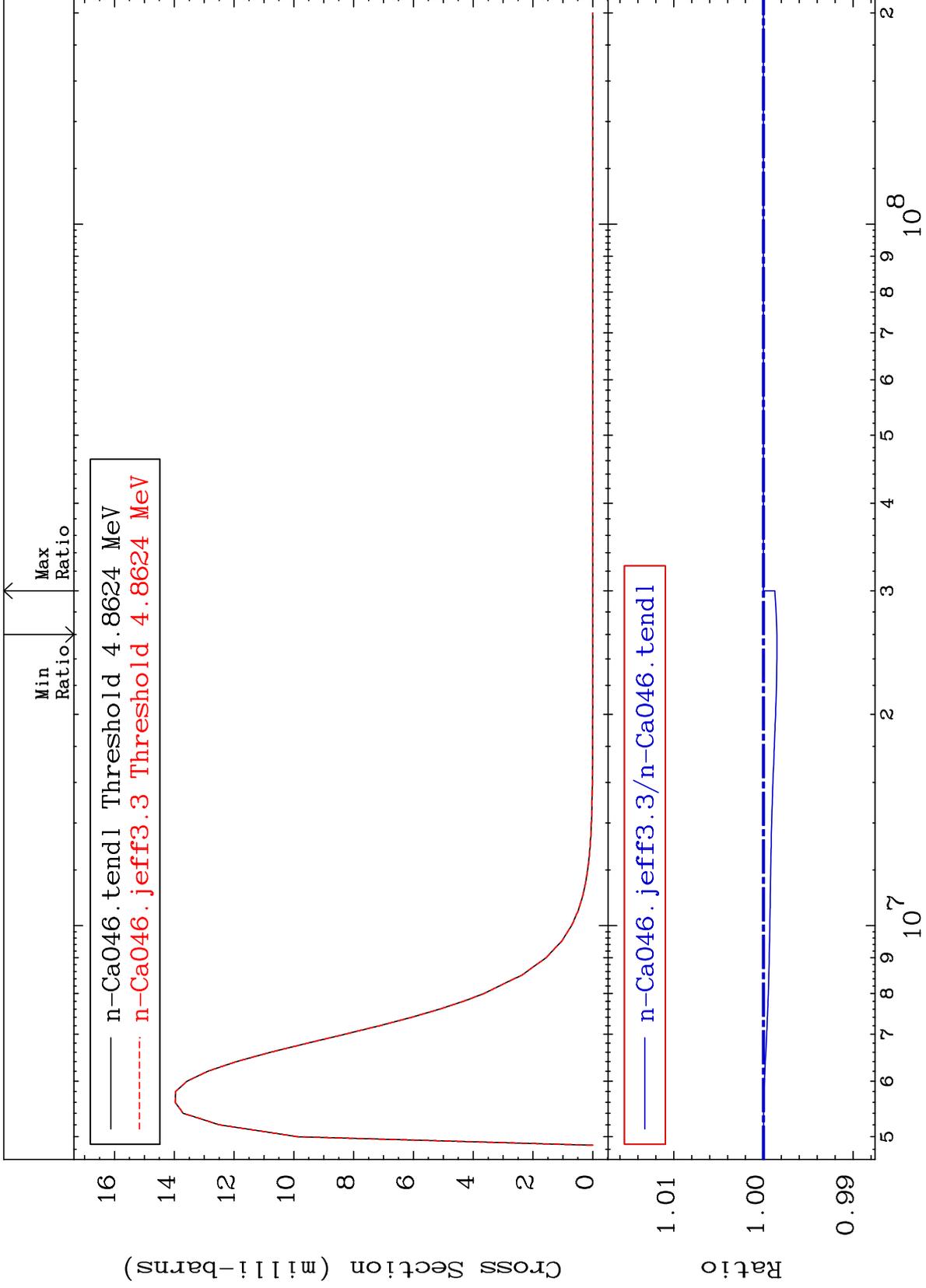
20-Ca-46  
-0.073 To 0.000 %



MAT 2043

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

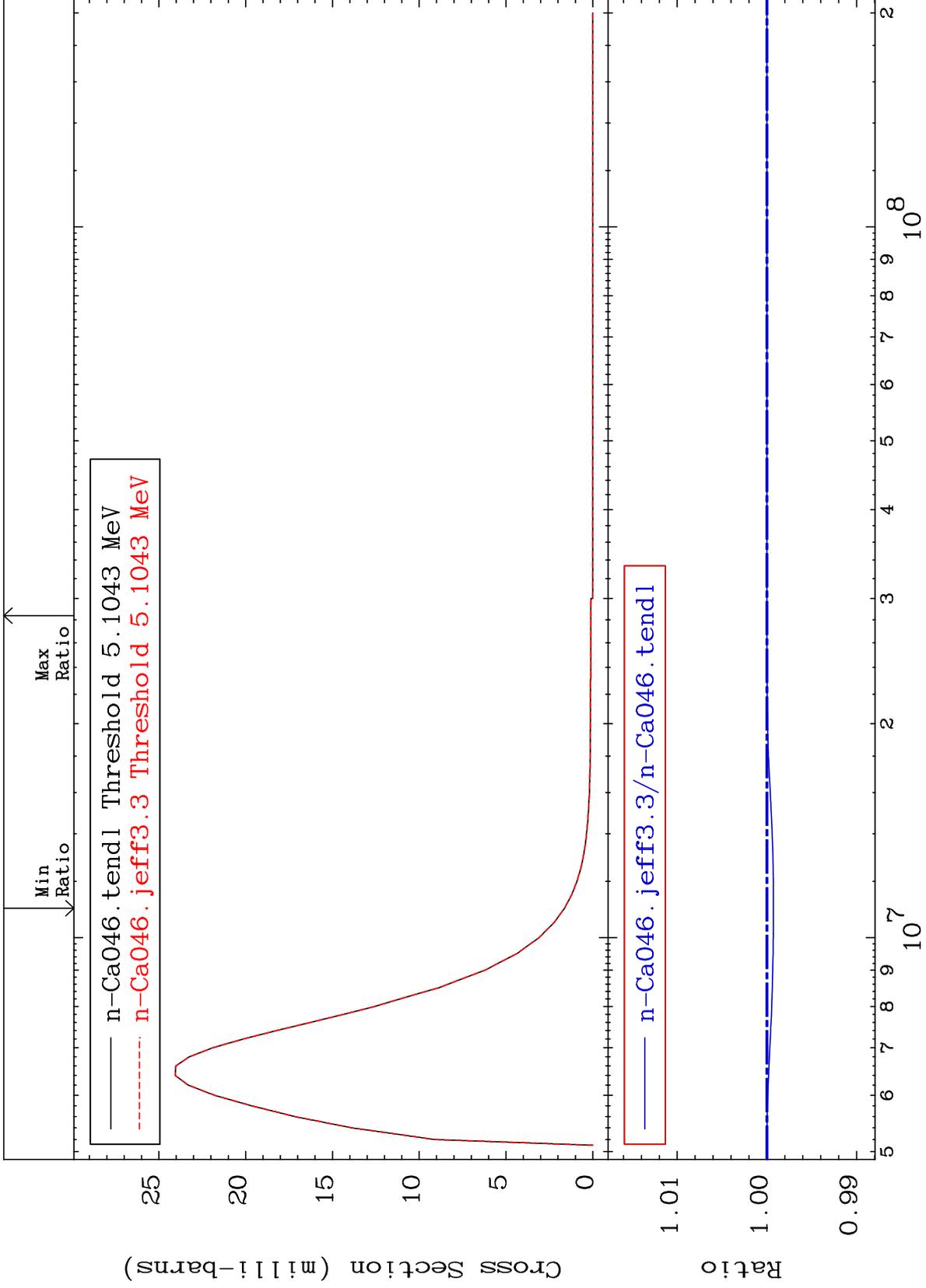
20-Ca-46  
-0.150 To 0.000 %



MAT 2043

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

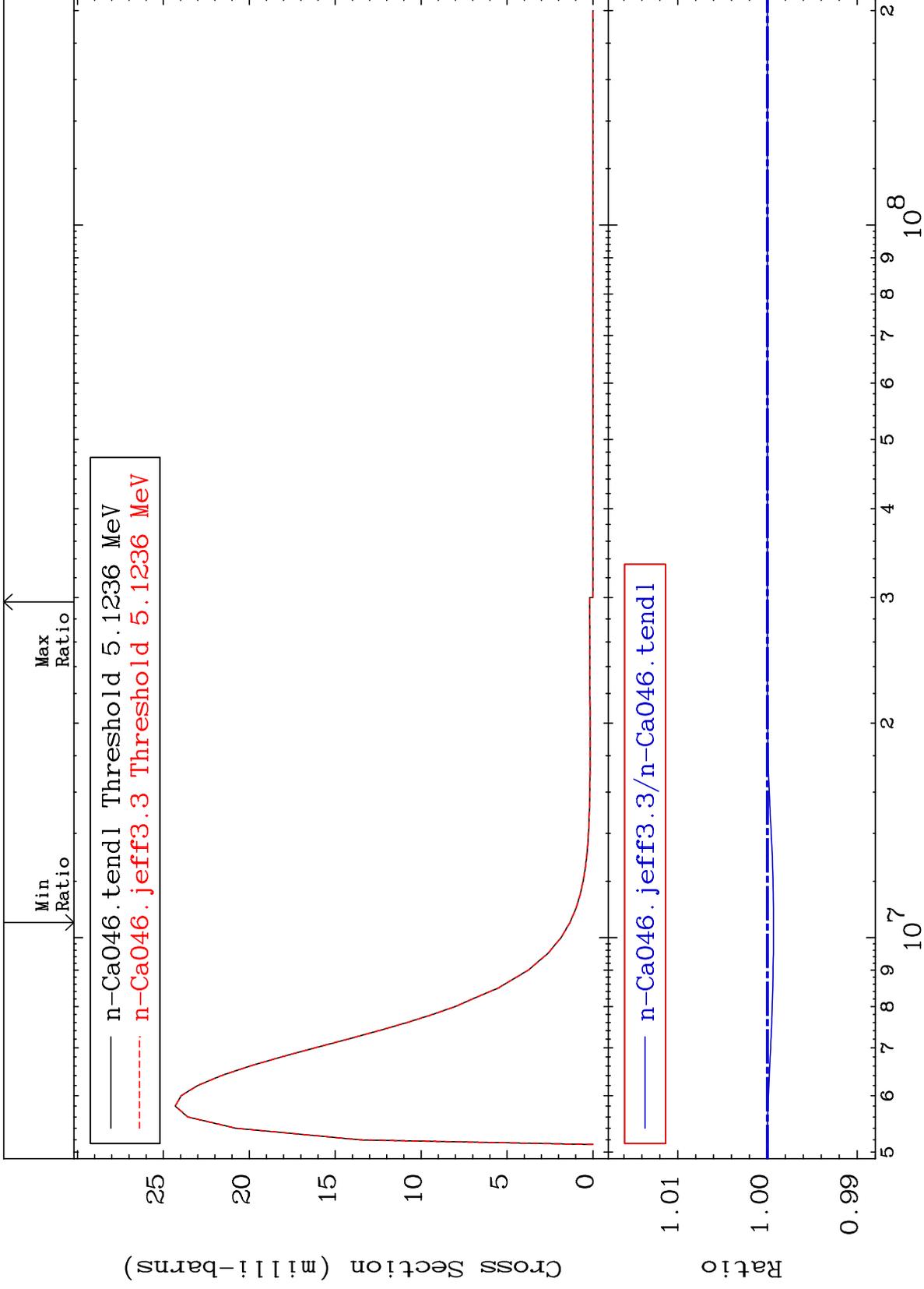
20-Ca-46  
-0.073 To 0.000 %



MAT 2043

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

20-Ca-46  
-0.067 To 0.000 %



35

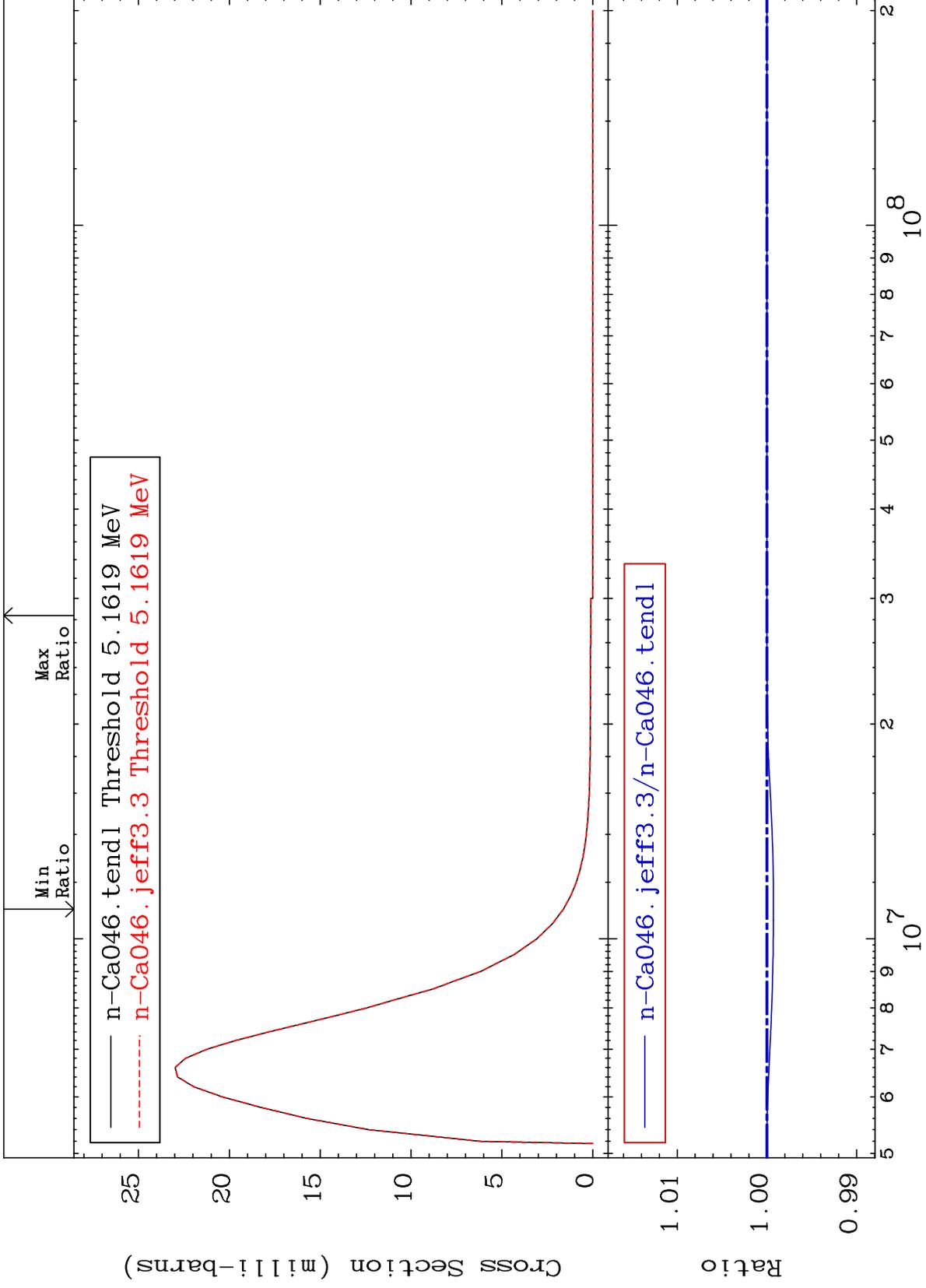
Incident Energy (eV)

20-Ca-46

MAT 2043

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

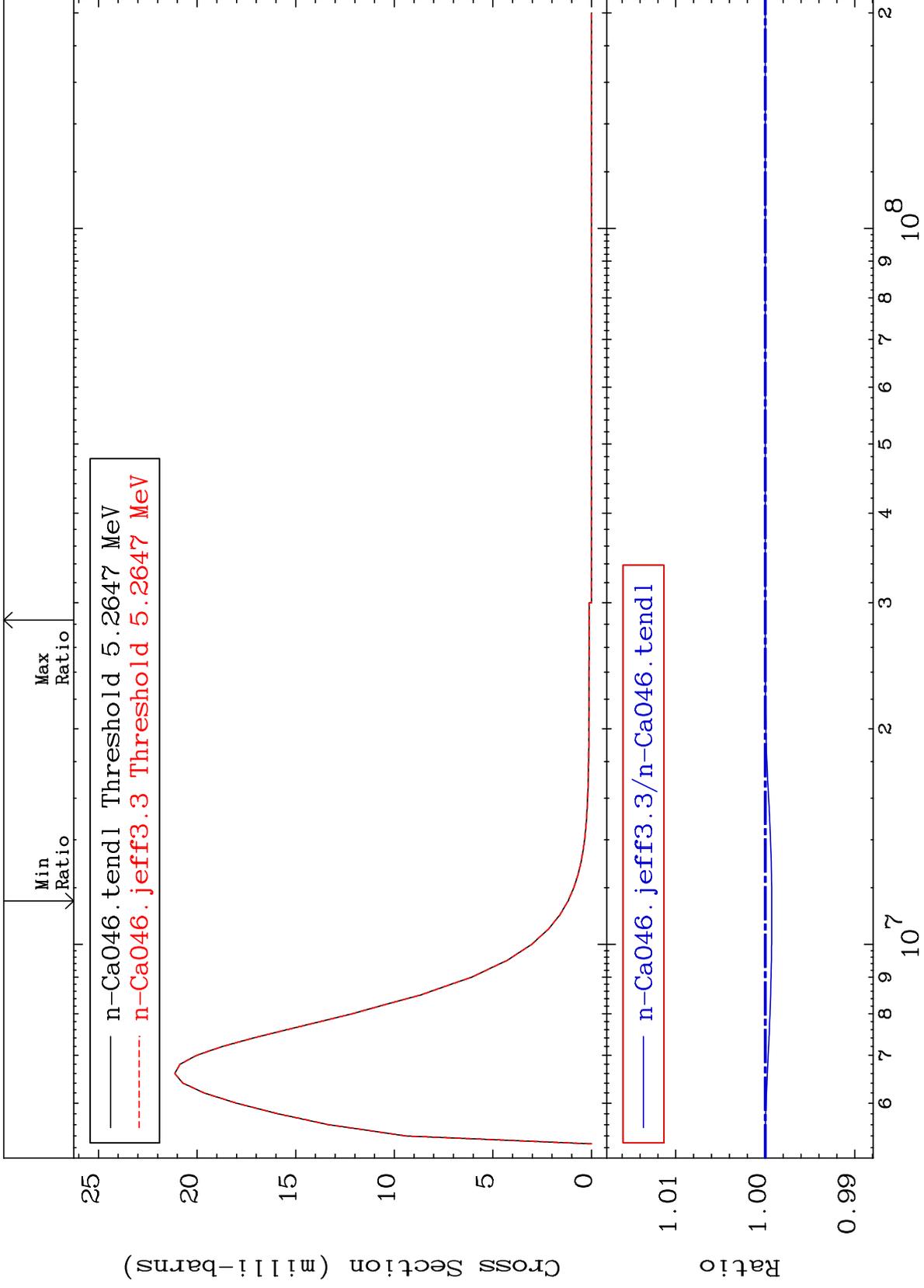
20-Ca-46  
-0.072 To 0.000 %



MAT 2043

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

20-Ca-46  
-0.073 To 0.000 %



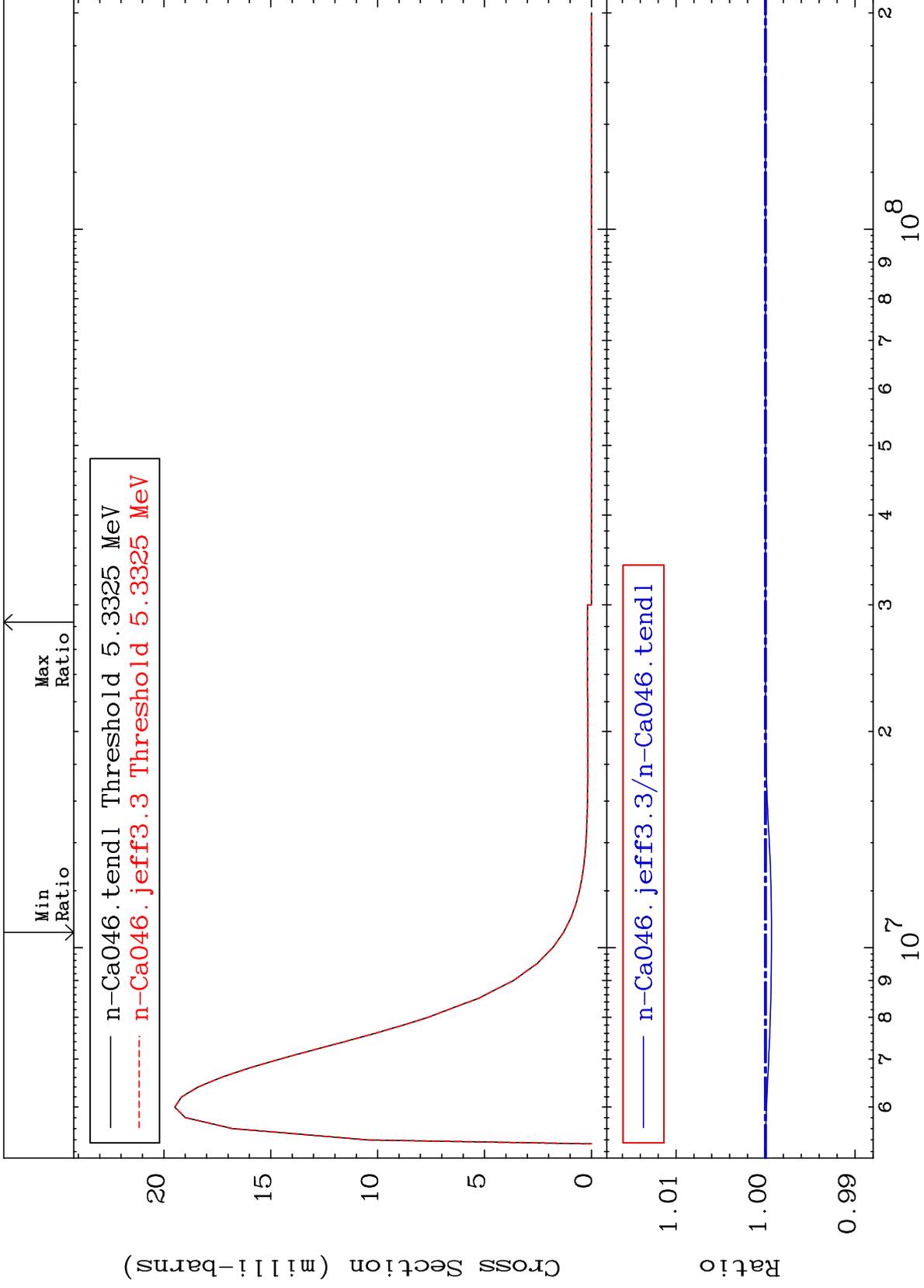
37

20-Ca-46

MAT 2043

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

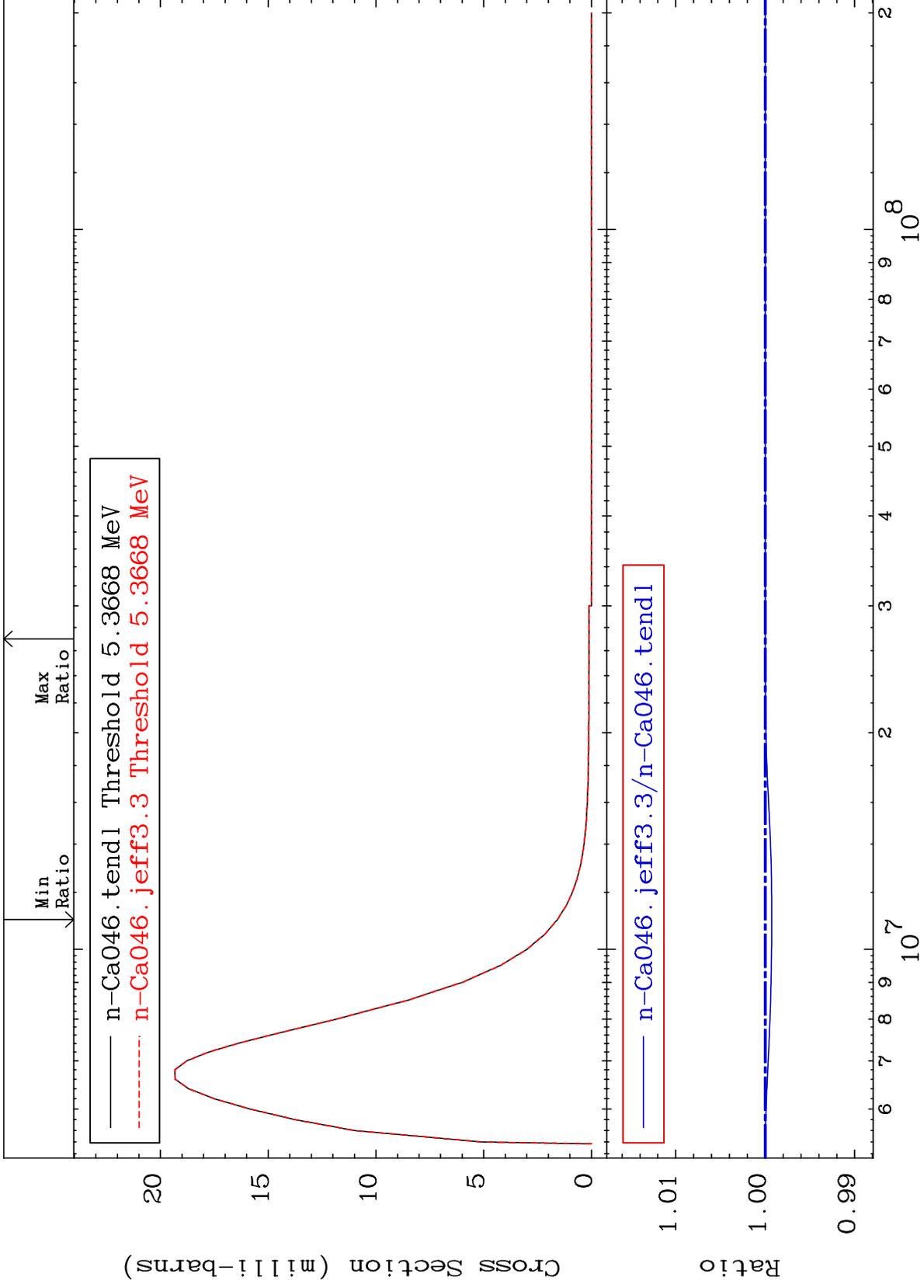
20-Ca-46  
-0.067 To 0.000 %



MAT 2043

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

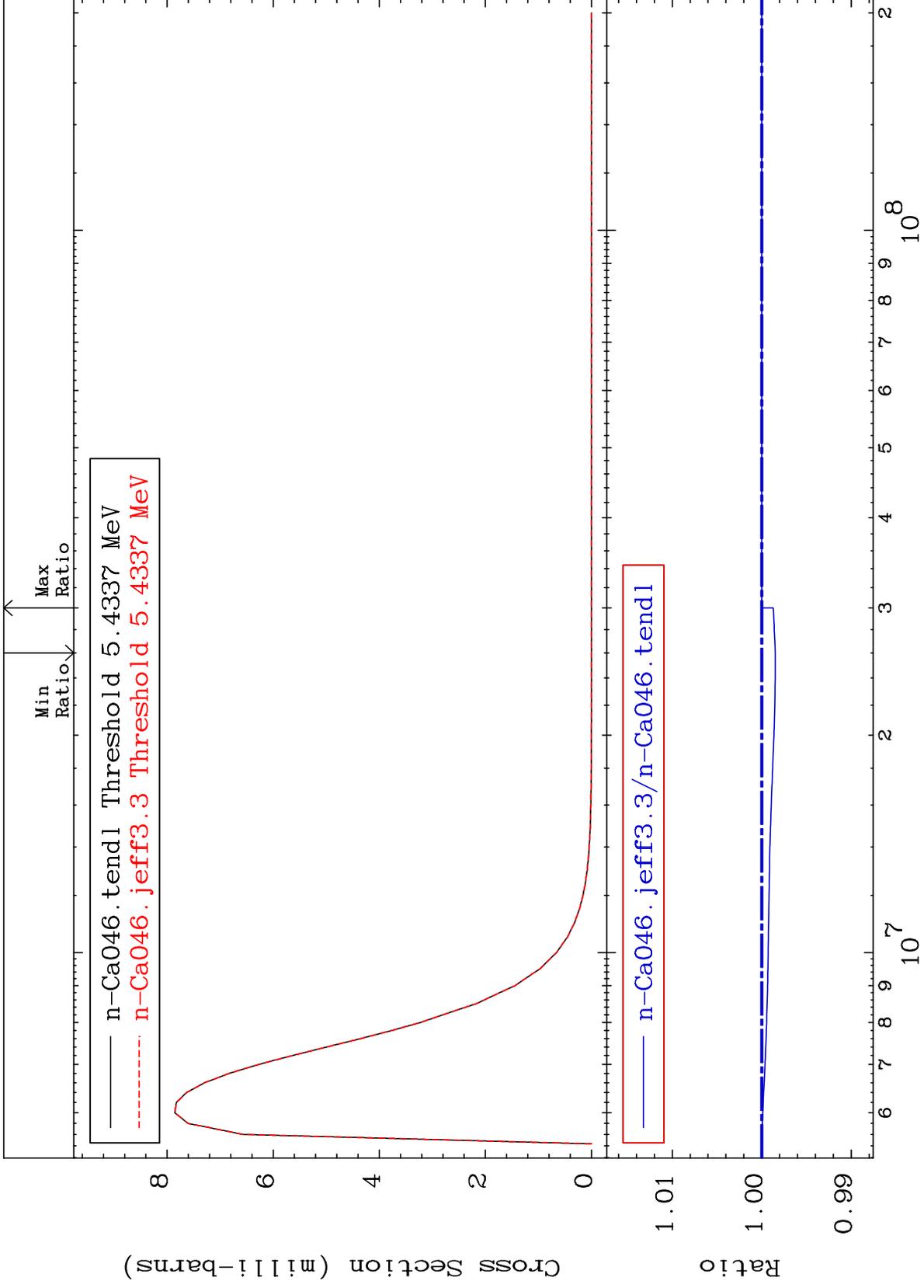
20-Ca-46  
-0.073 To 0.000 %



MAT 2043

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

20-Ca-46  
-0.150 To 0.000 %



40

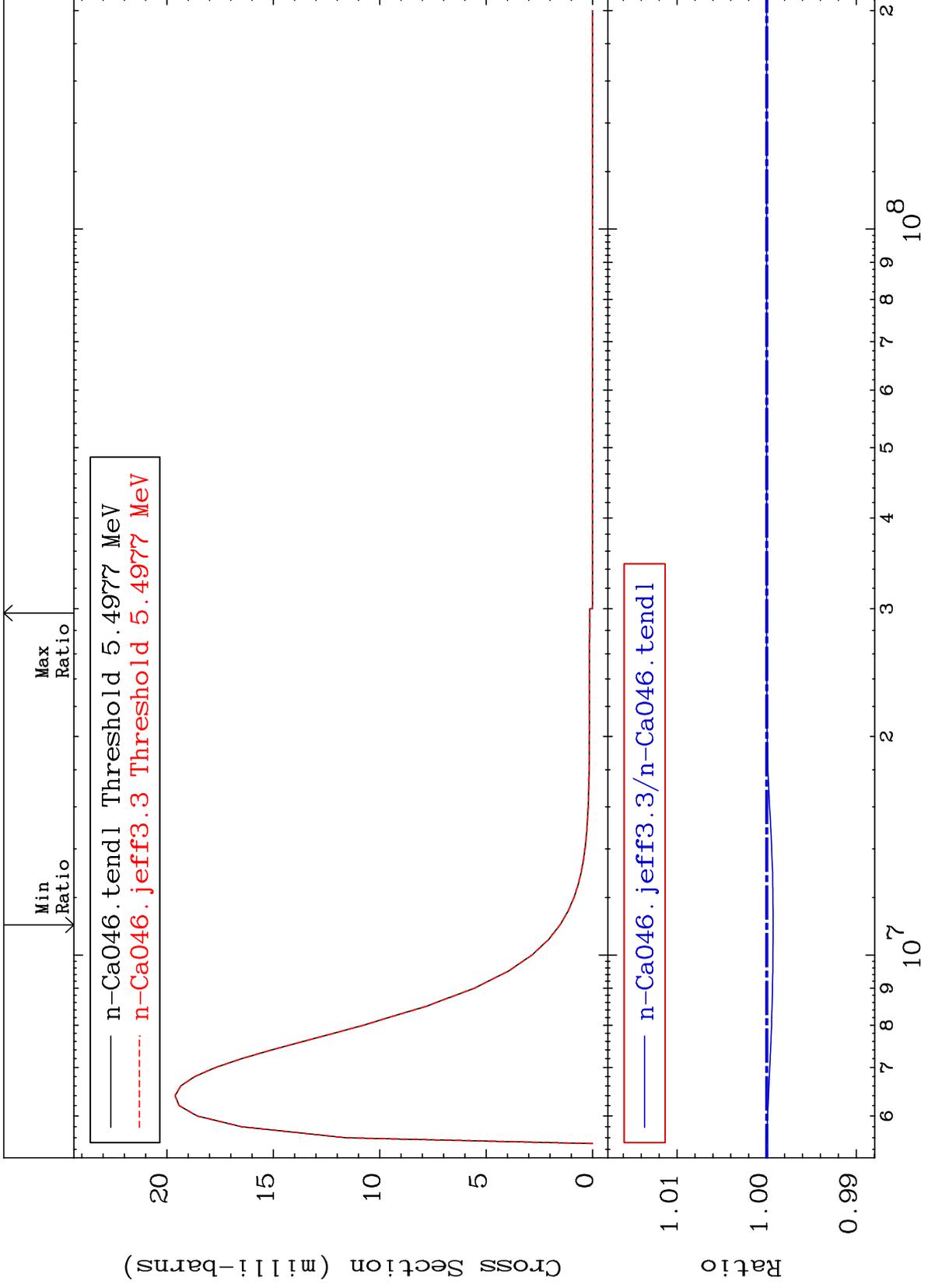
Incident Energy (eV)

20-Ca-46

MAT 2043

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

20-Ca-46  
-0.071 To 0.000 %



41

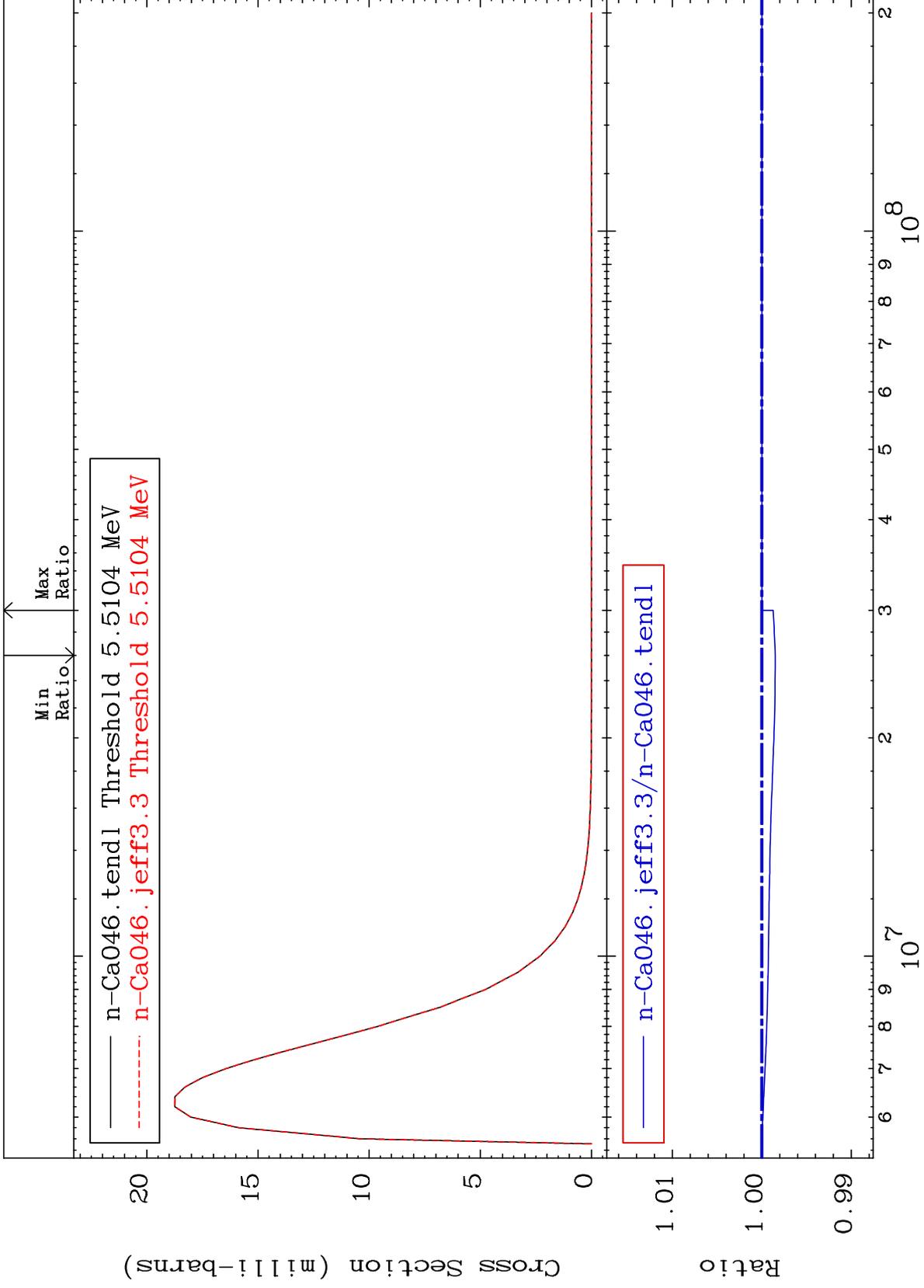
Incident Energy (eV)

20-Ca-46

MAT 2043

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

20-Ca-46  
-0.149 To 0.000 %



42

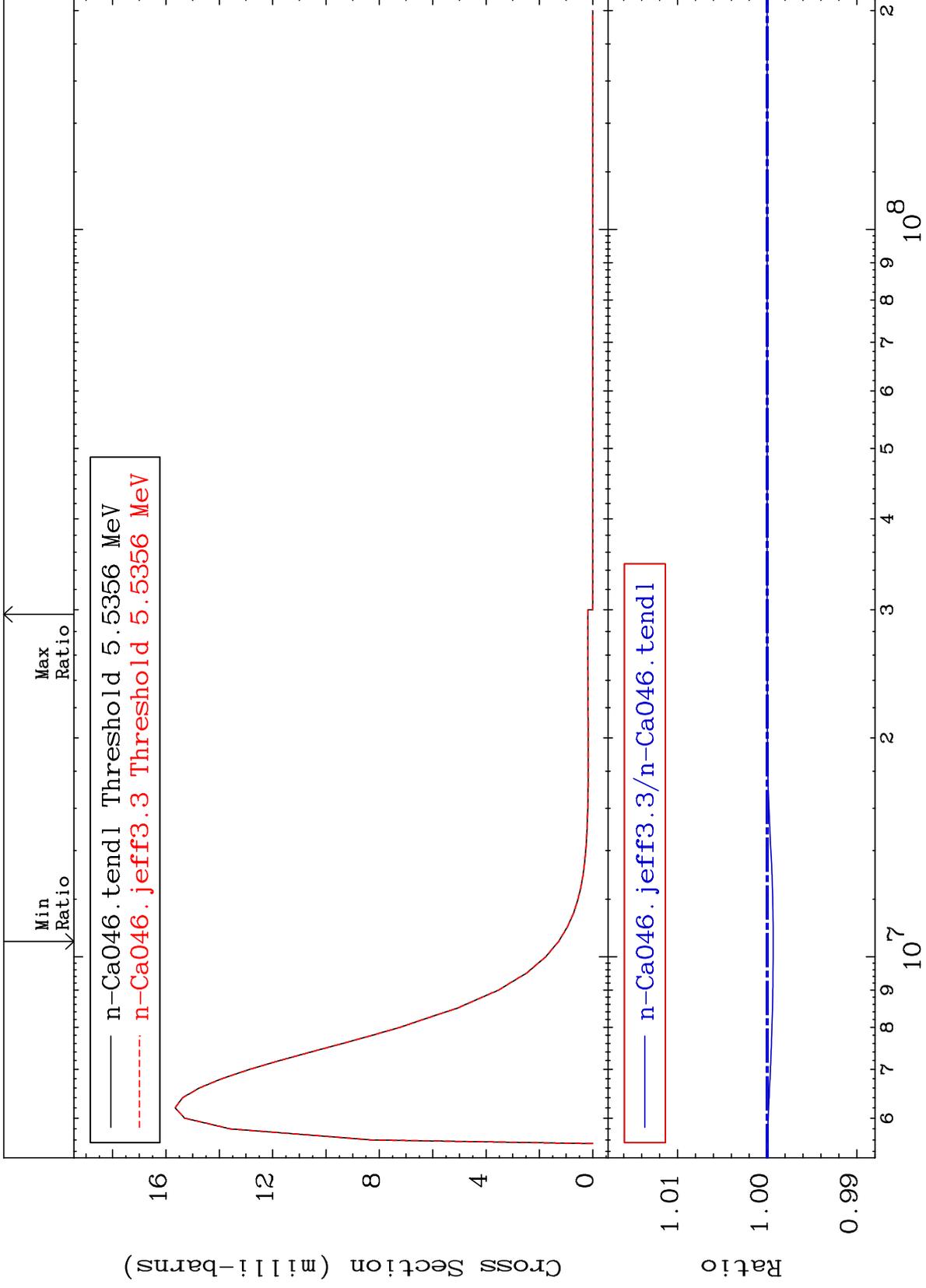
Incident Energy (eV)

20-Ca-46

MAT 2043

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

20-Ca-46  
-0.067 To 0.000 %



43

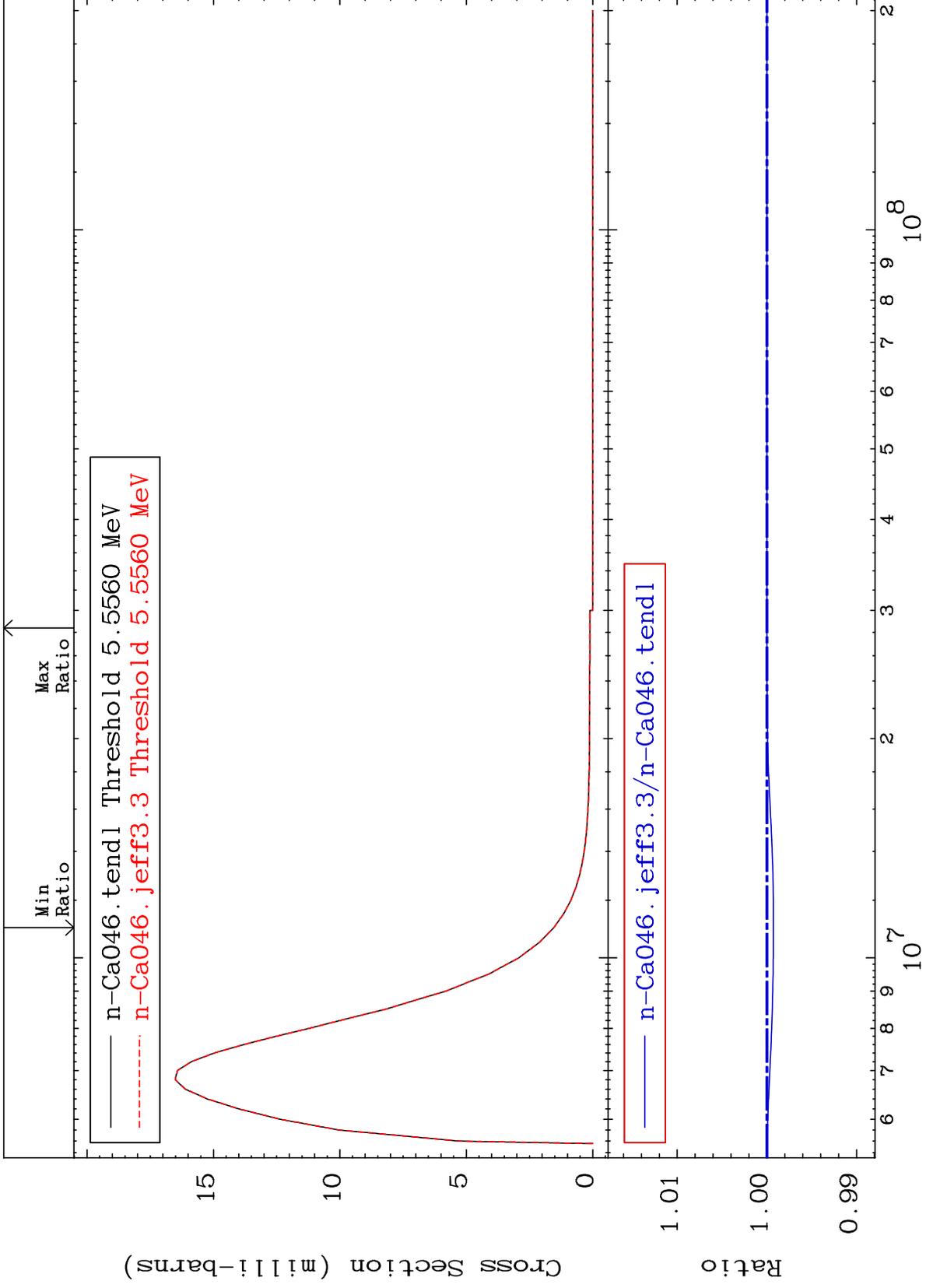
Incident Energy (eV)

20-Ca-46

MAT 2043

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

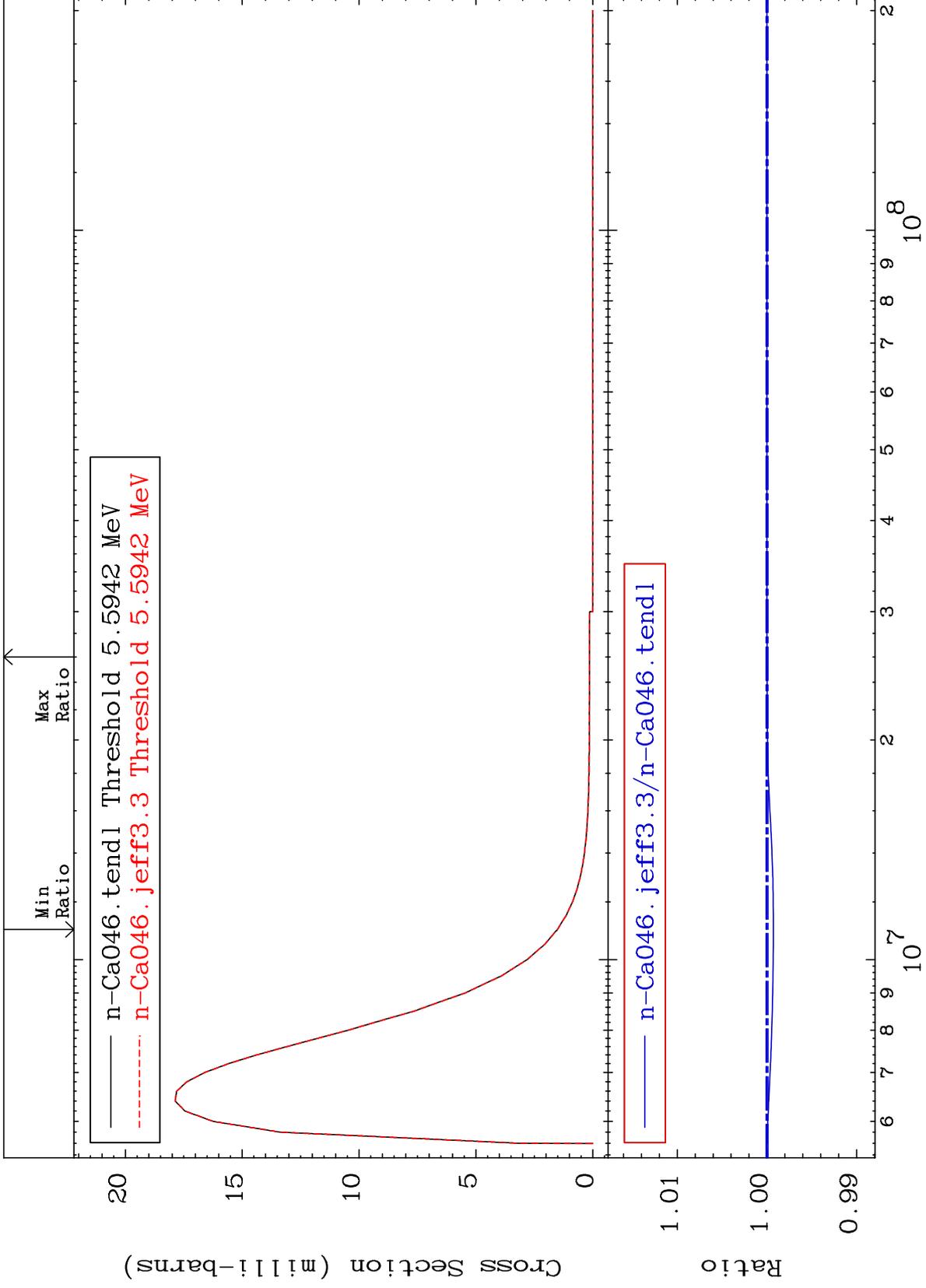
20-Ca-46  
-0.073 To 0.000 %



MAT 2043

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

20-Ca-46  
-0.072 To 0.000 %



45

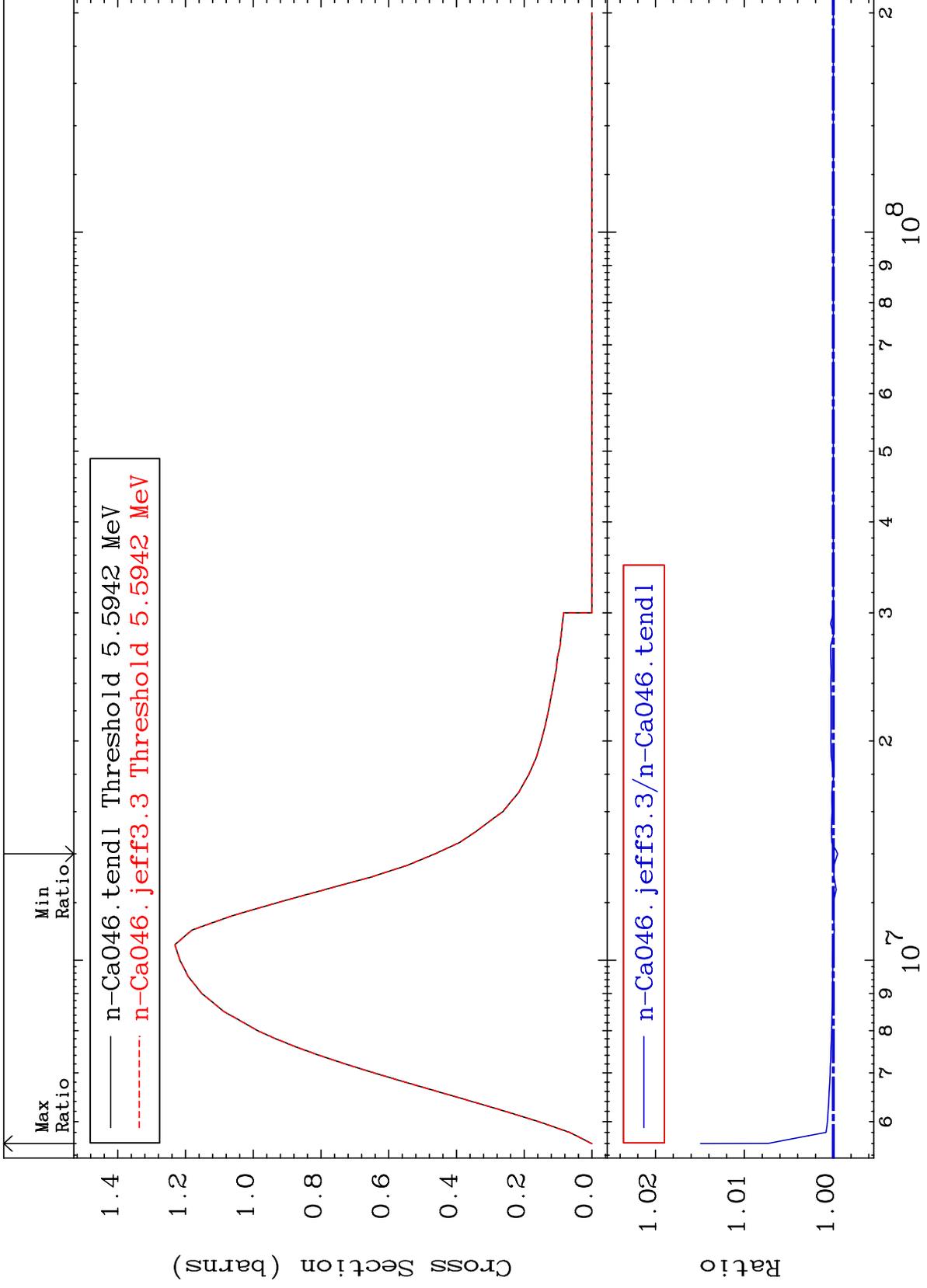
Incident Energy (eV)

20-Ca-46

MAT 2043

(n, n') Continuum  
Cross Section

20-Ca-46  
-0.049 To 1.495 %



46

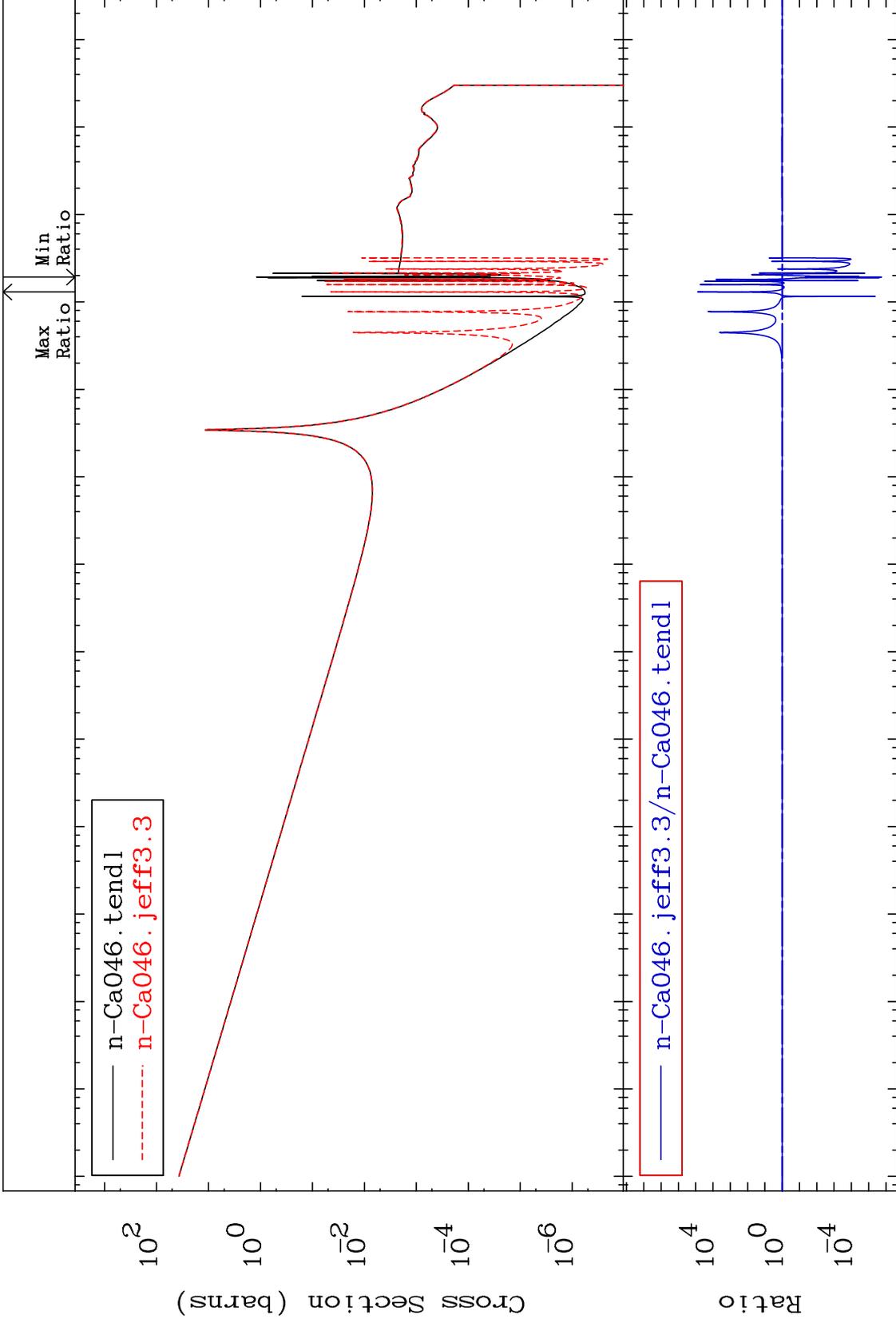
Incident Energy (eV)

20-Ca-46

MAT 2043

(n,  $\gamma$ )  
Cross Section

20-Ca-46  
-100.0 To 9999. %



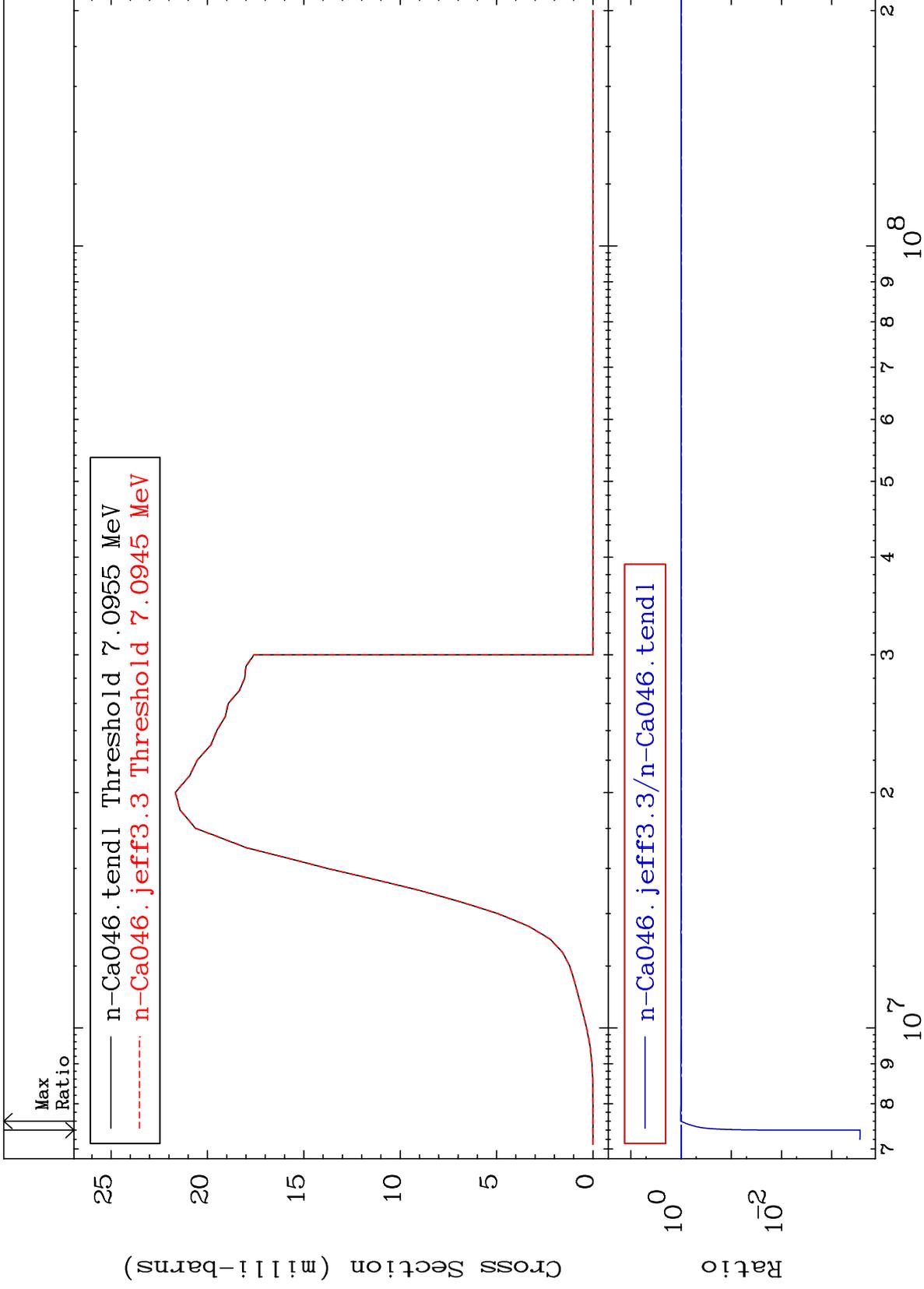
Incident Energy (eV)

20-Ca-46

MAT 2043

(n,p)  
Cross Section

20-Ca-46  
-99.97 To 1.391 %



MAT 2043

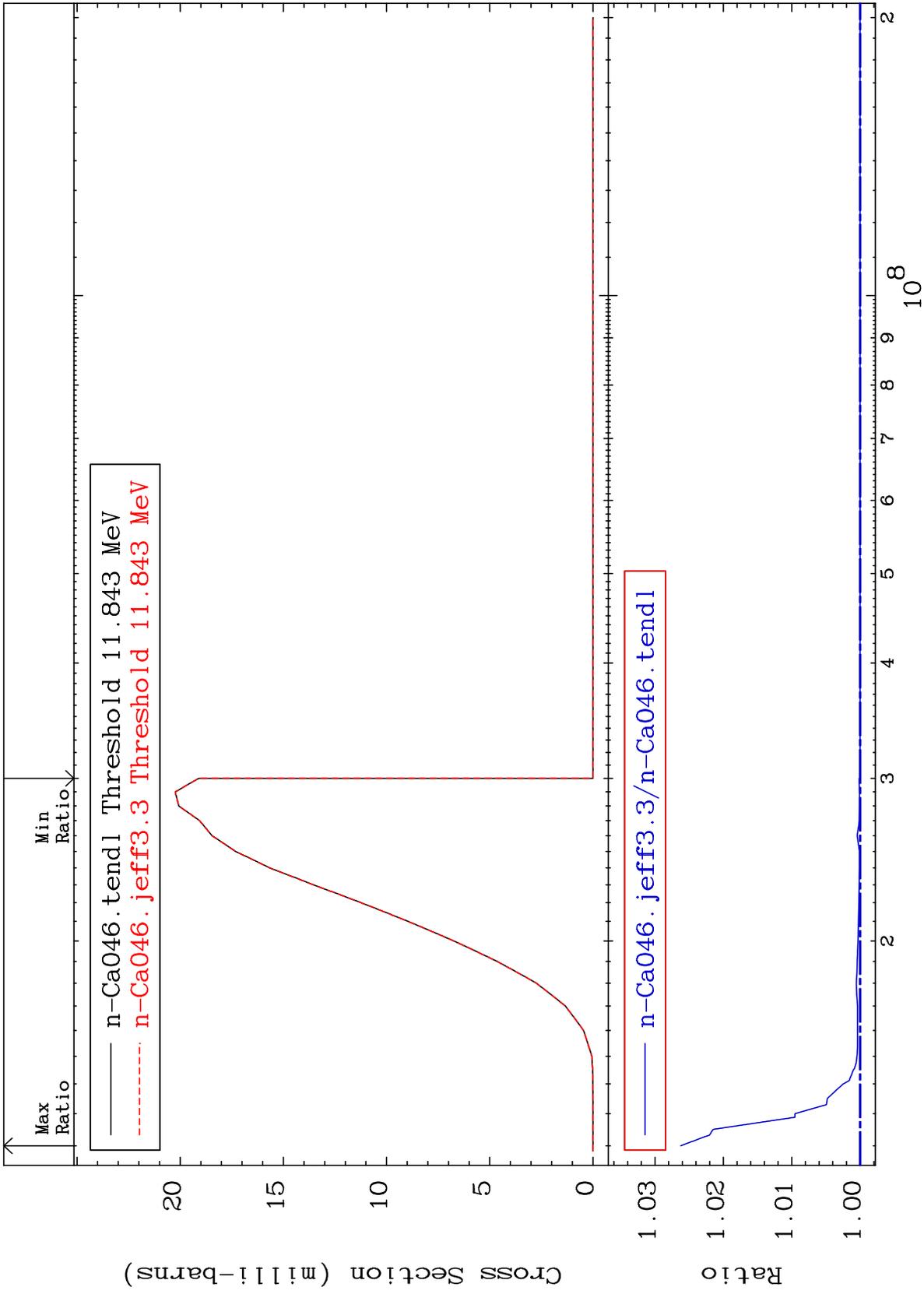
(n, d)

20-Ca-46

Cross Section

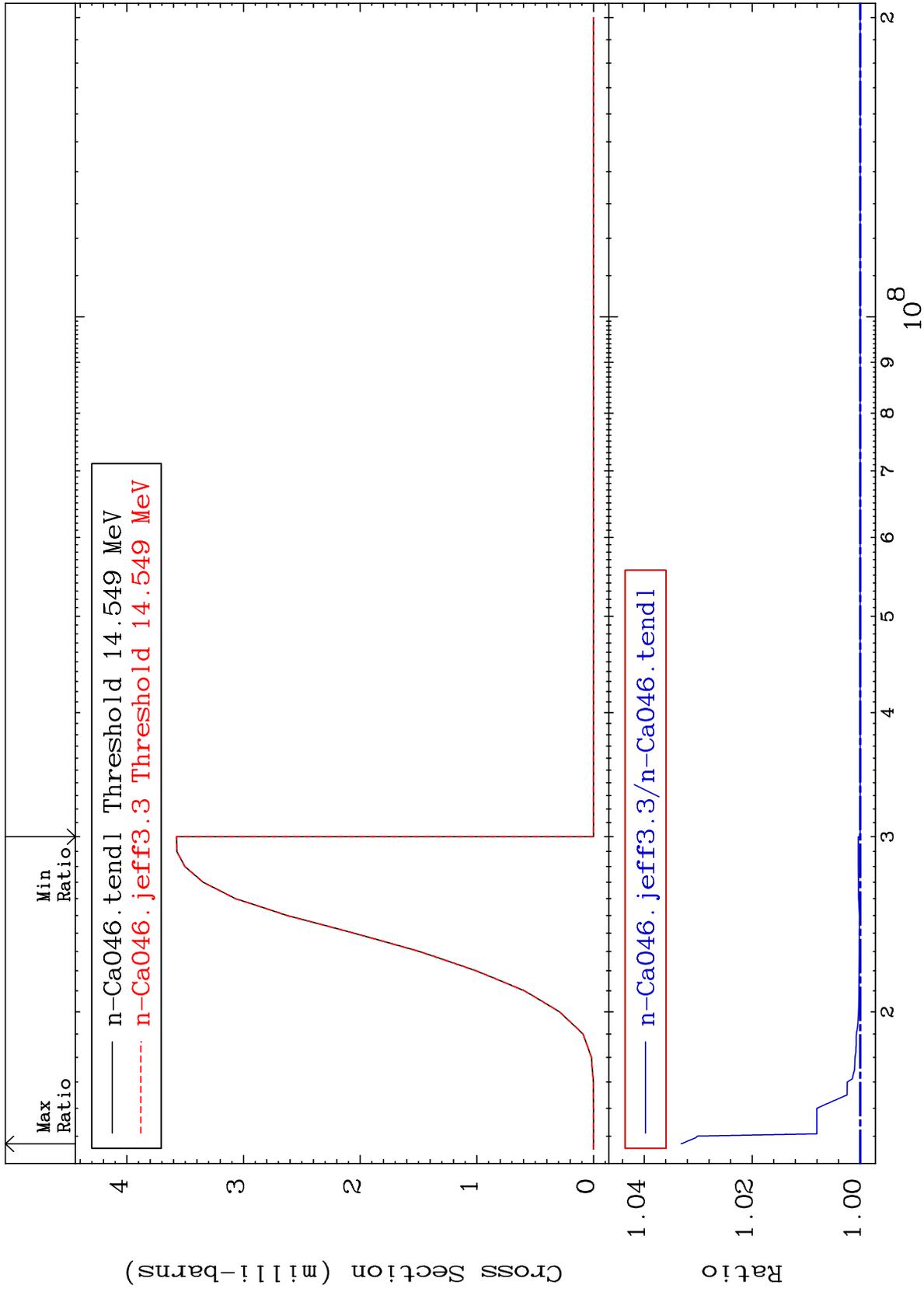
0.000

To 2.622 %



MAT 2043

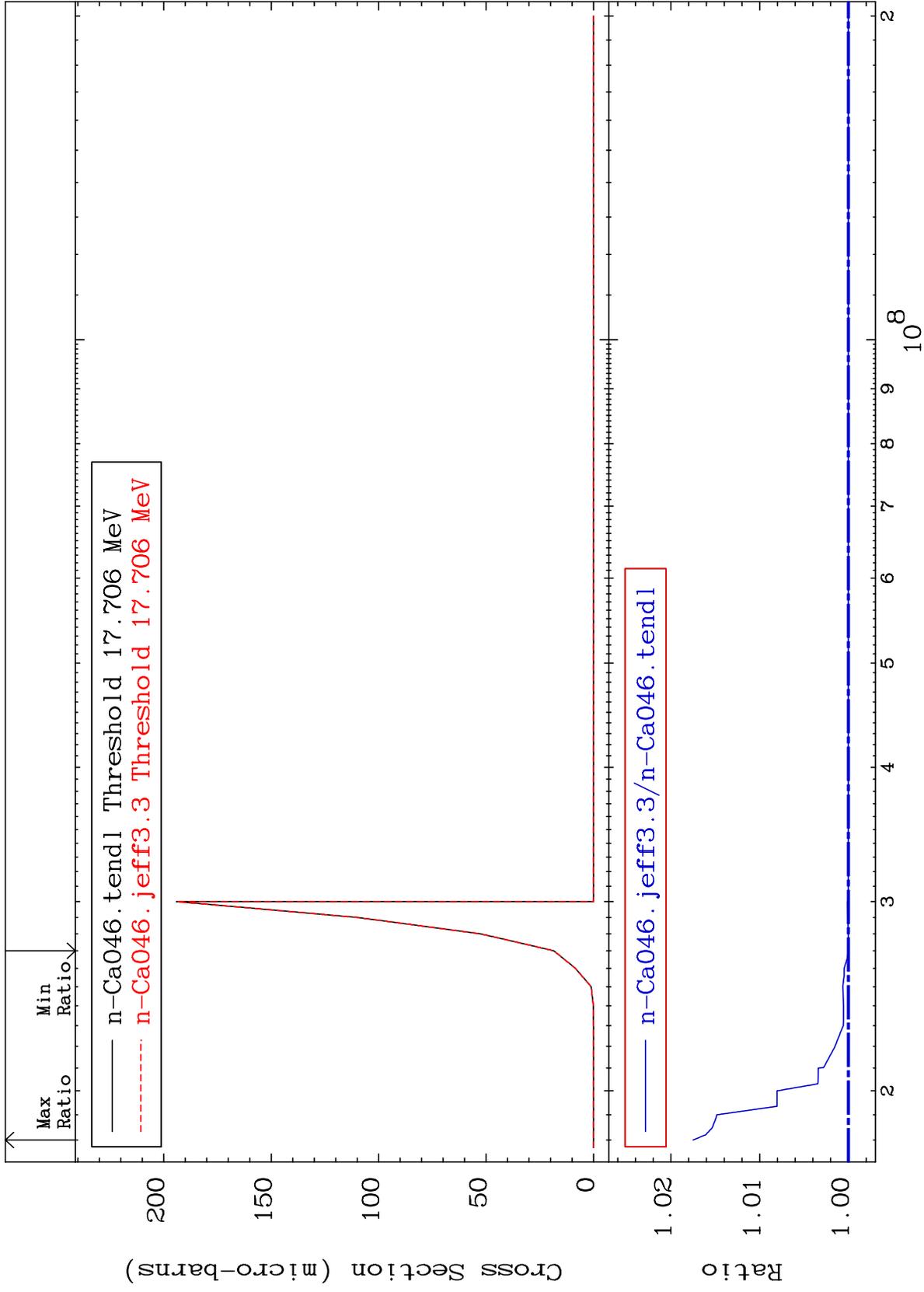
(n, t)  
Cross Section  
20-Ca-46  
0.000 To 3.315 %



Cross Section

0.000

To 1.752 %



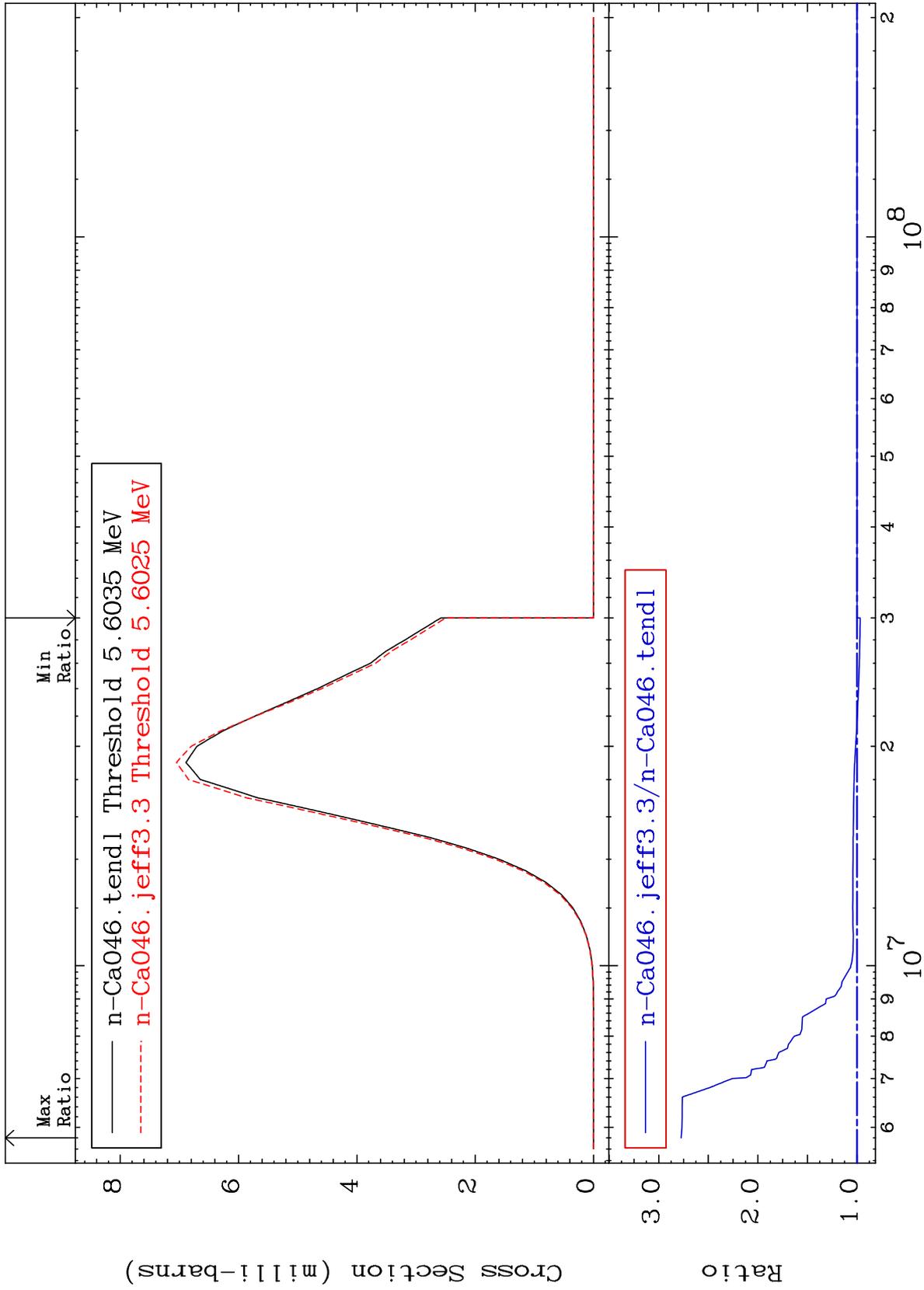
MAT 2043

(n,  $\alpha$ )

20-Ca-46

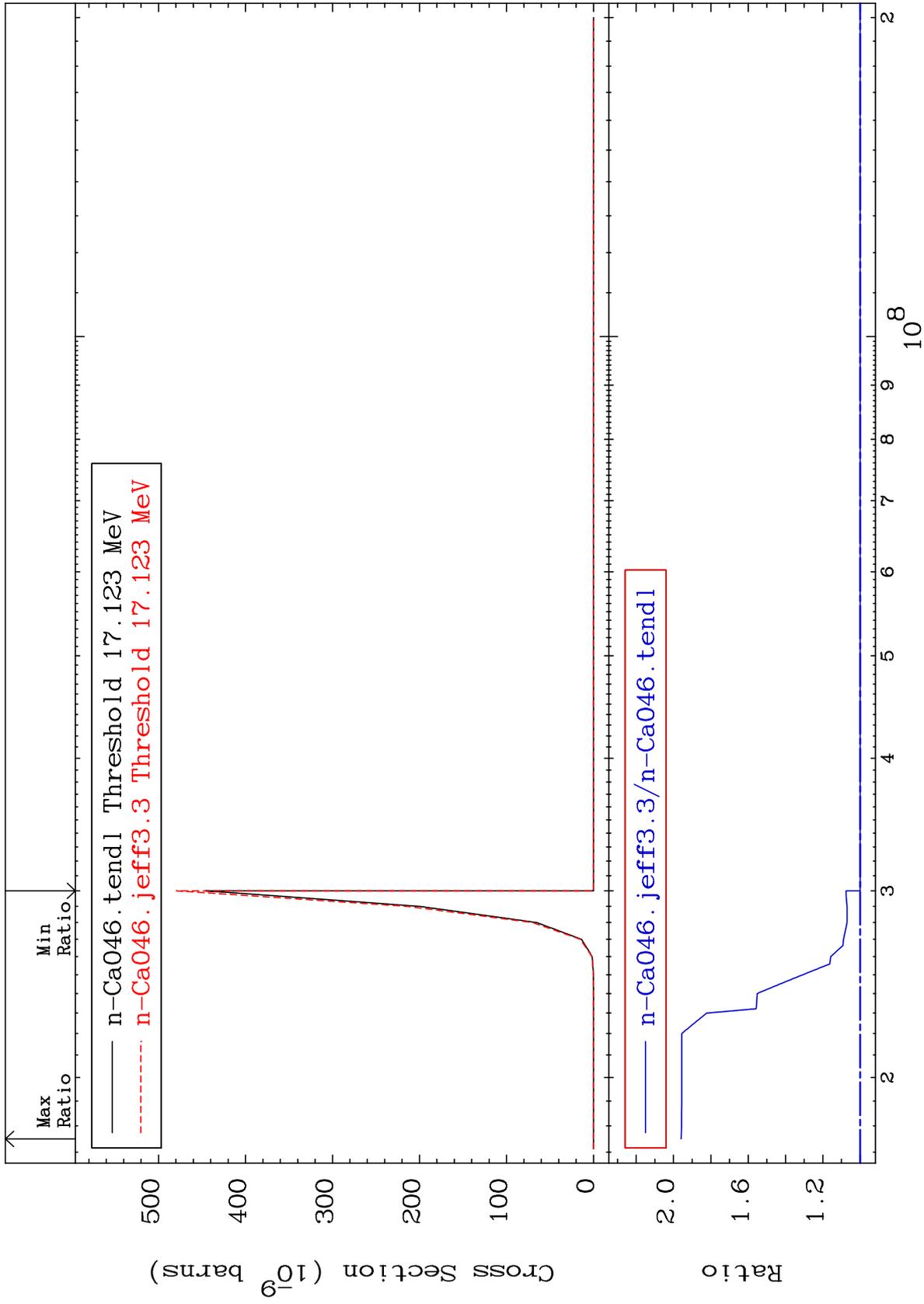
Cross Section

-3.192 To 177.4 %



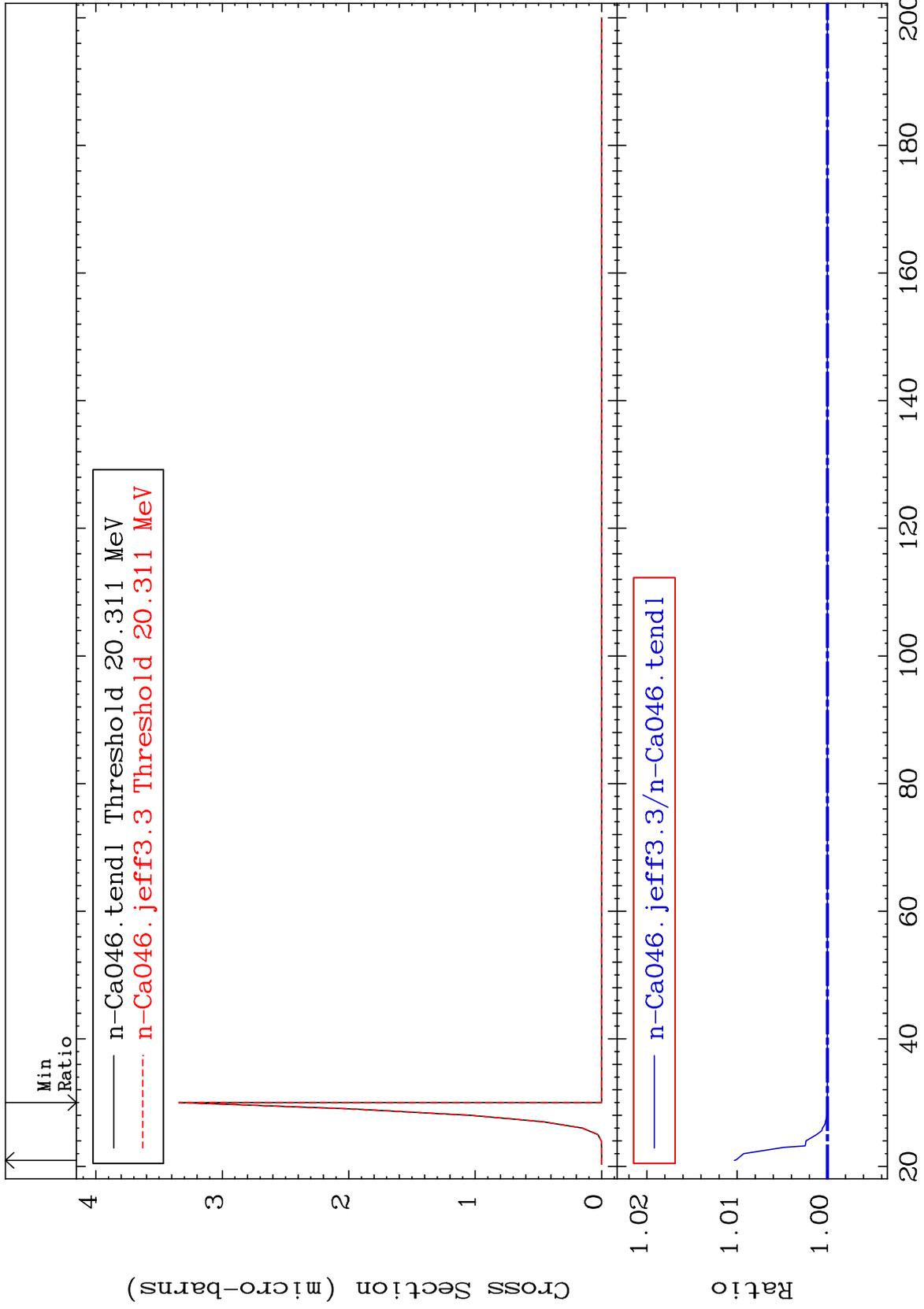
MAT 2043

(n,2α) Cross Section 20-Ca-46 To 95.89 %



53

20-Ca-46



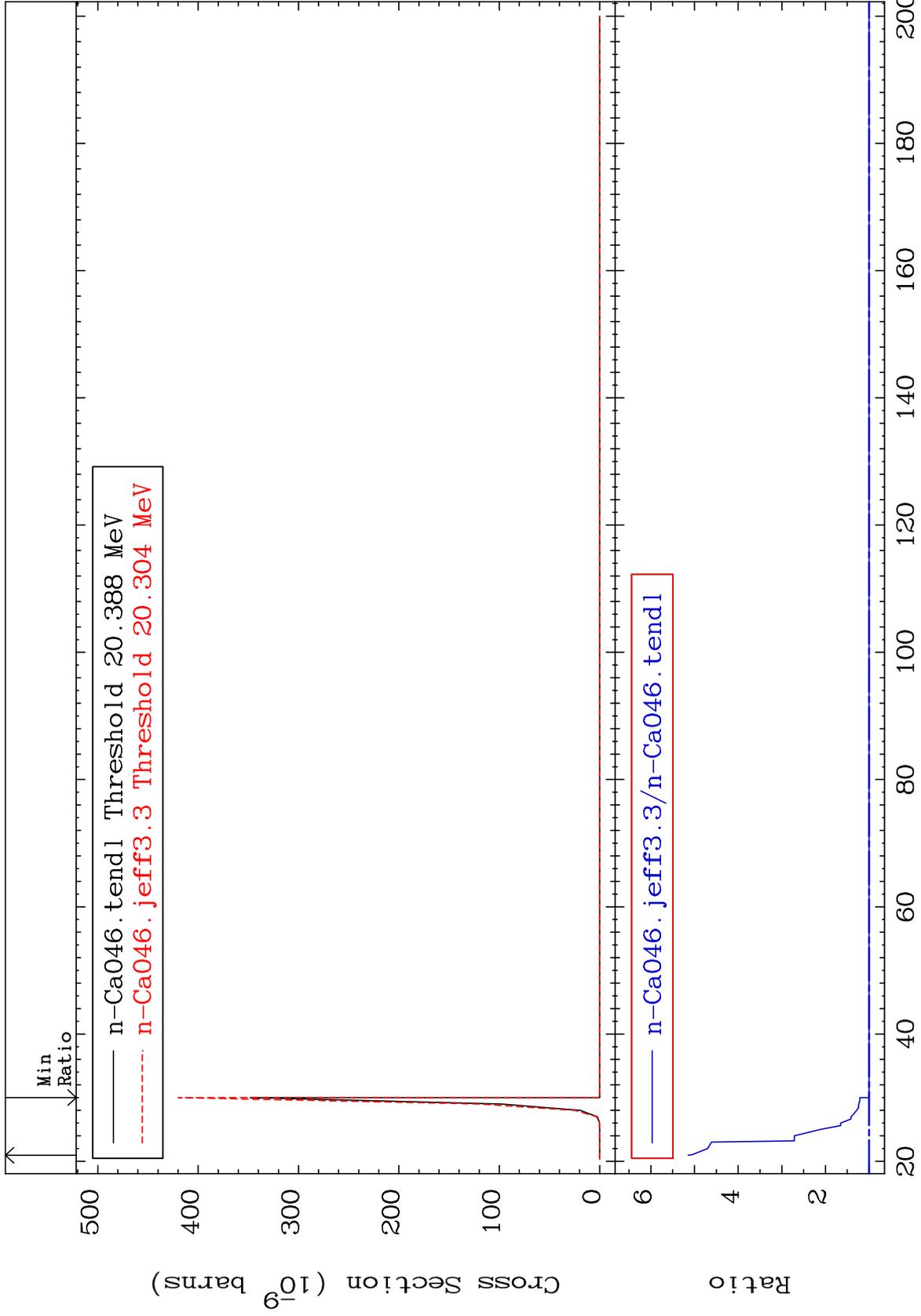
MAT 2043

(n, p)  $\alpha$

20-Ca-46

Cross Section

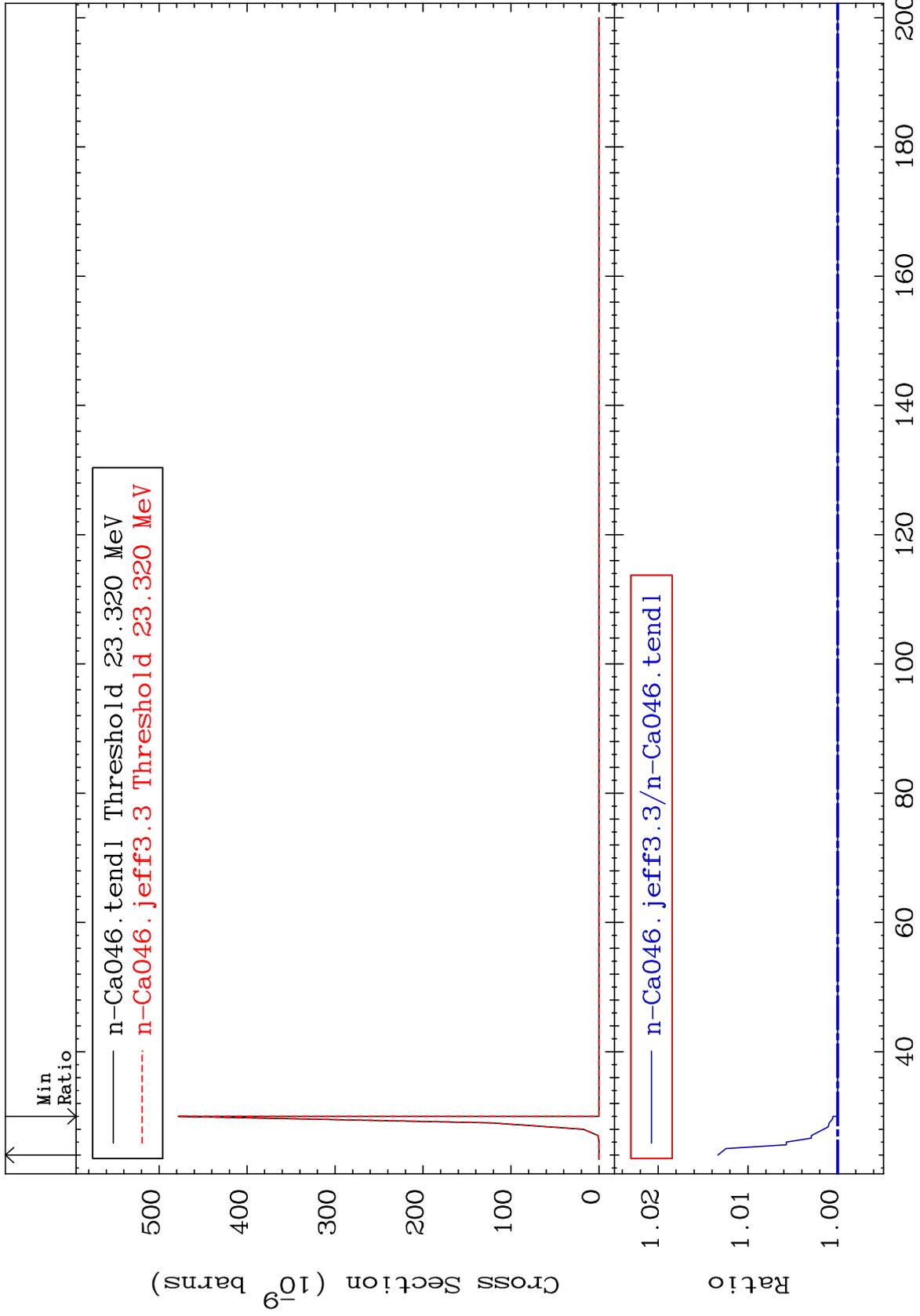
0.000 To 414.4 %



MAT 2043

(n, p) d  
Cross Section

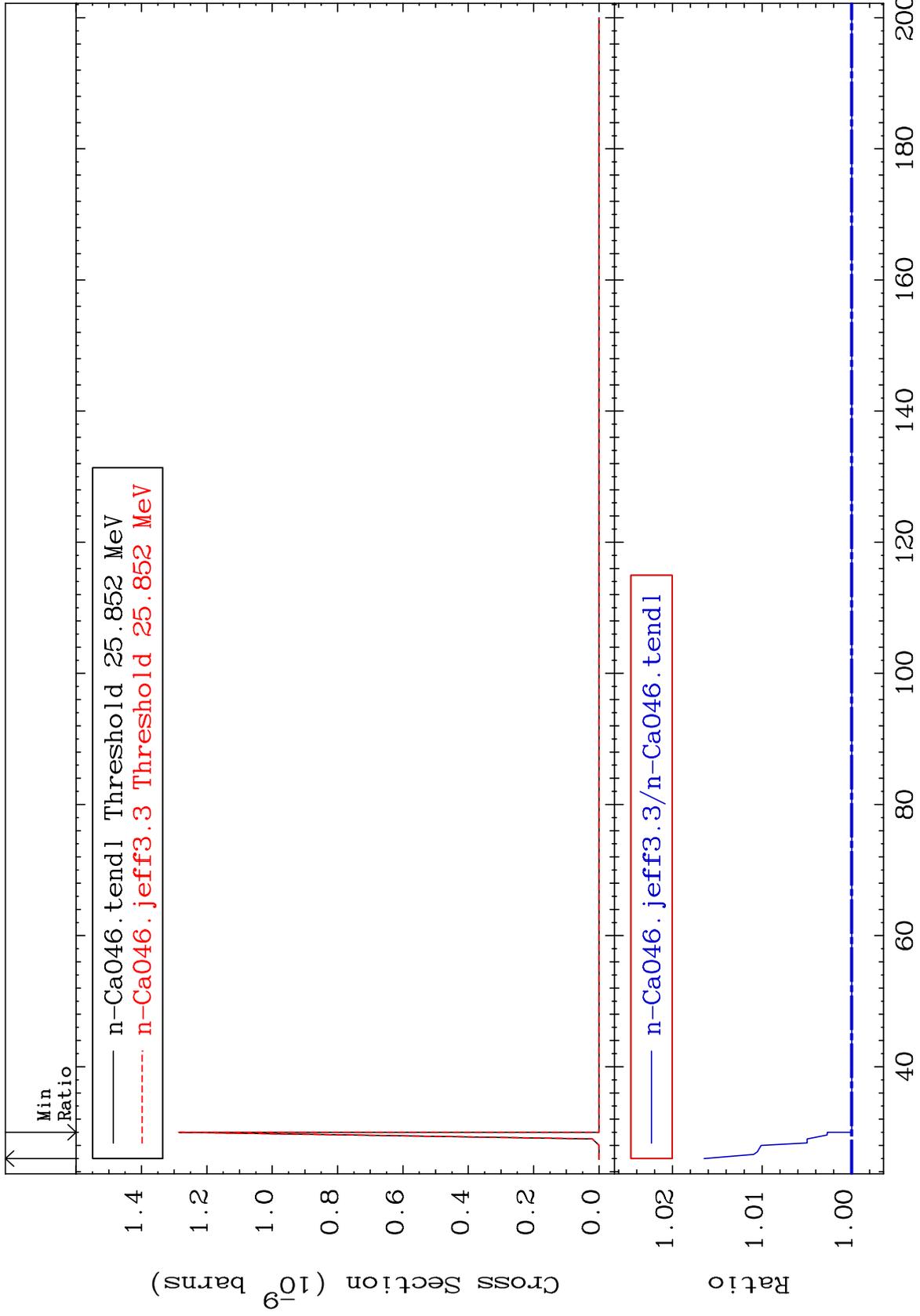
20-Ca-46  
To 1.334 %  
0.000

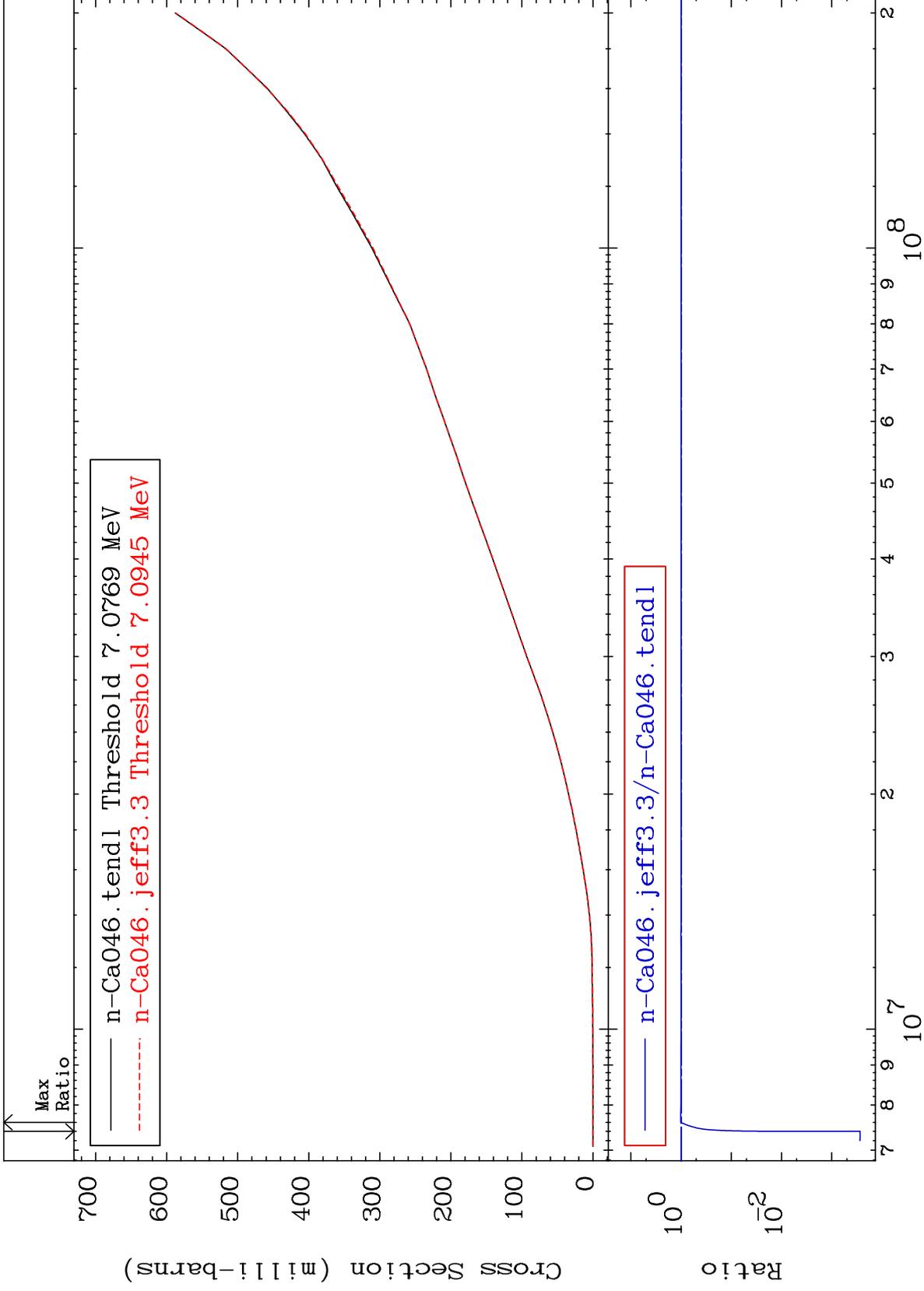


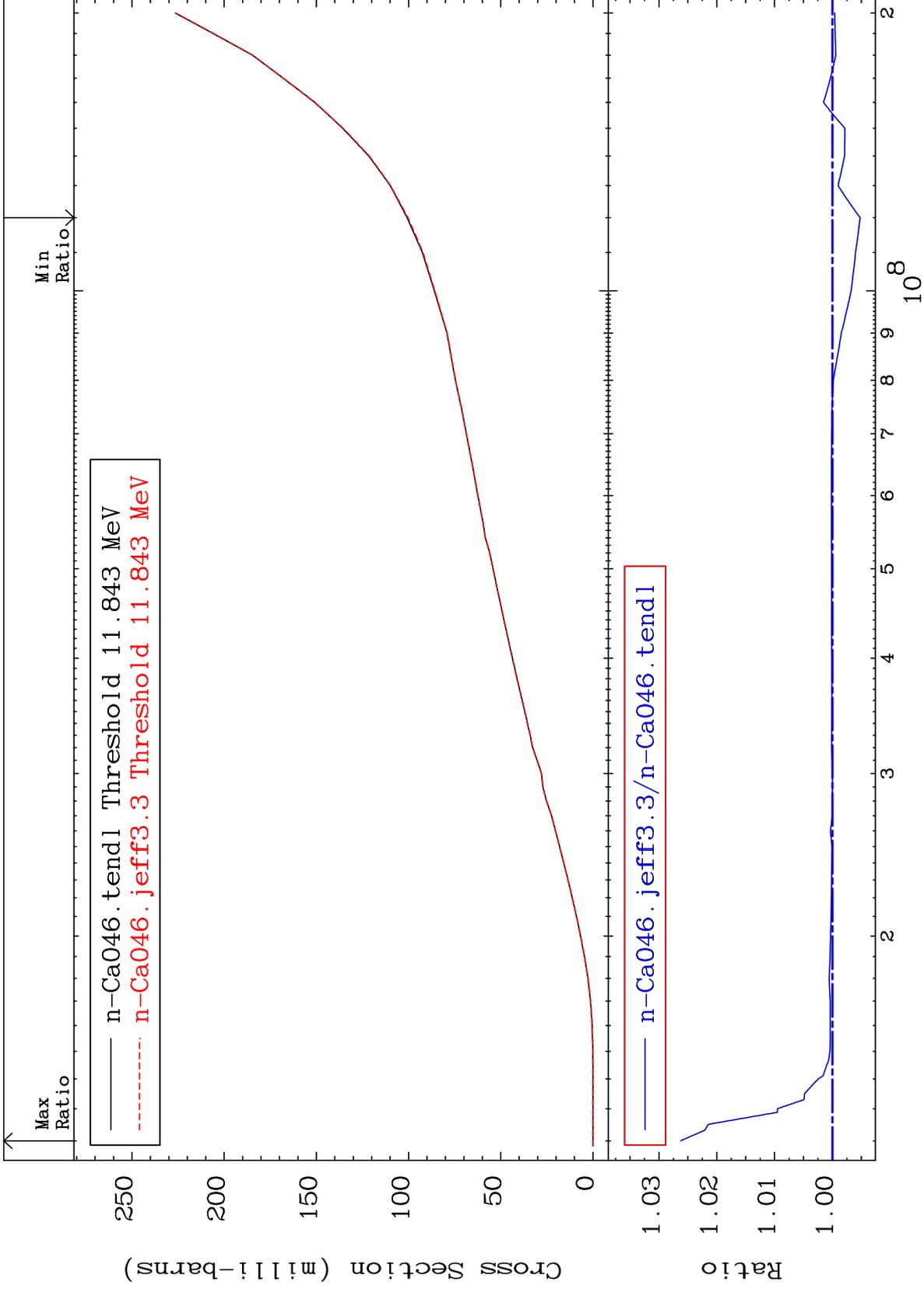
Cross Section

0.000

To 1.648 %



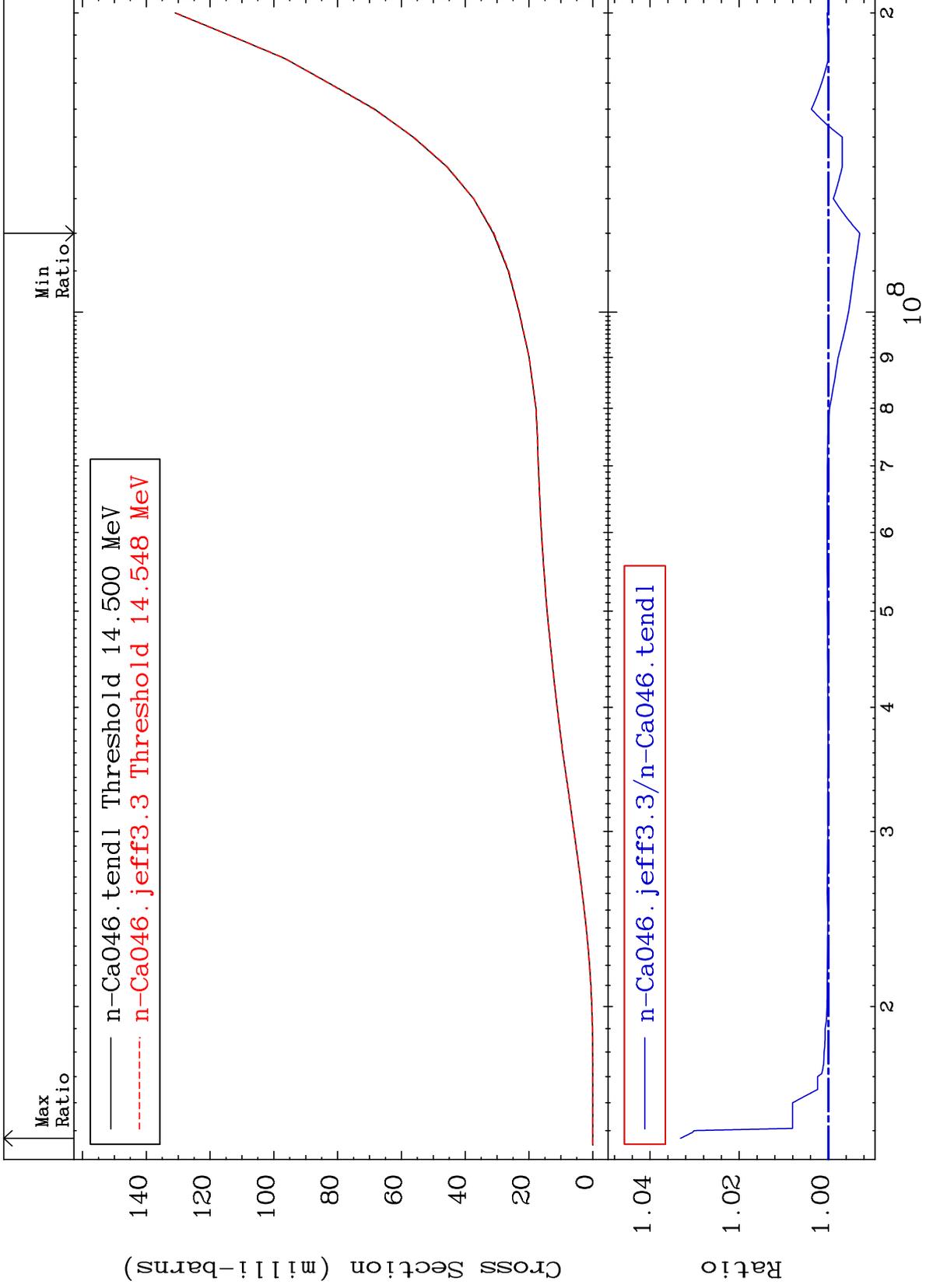




MAT 2043

Tritium Production  
Cross Section

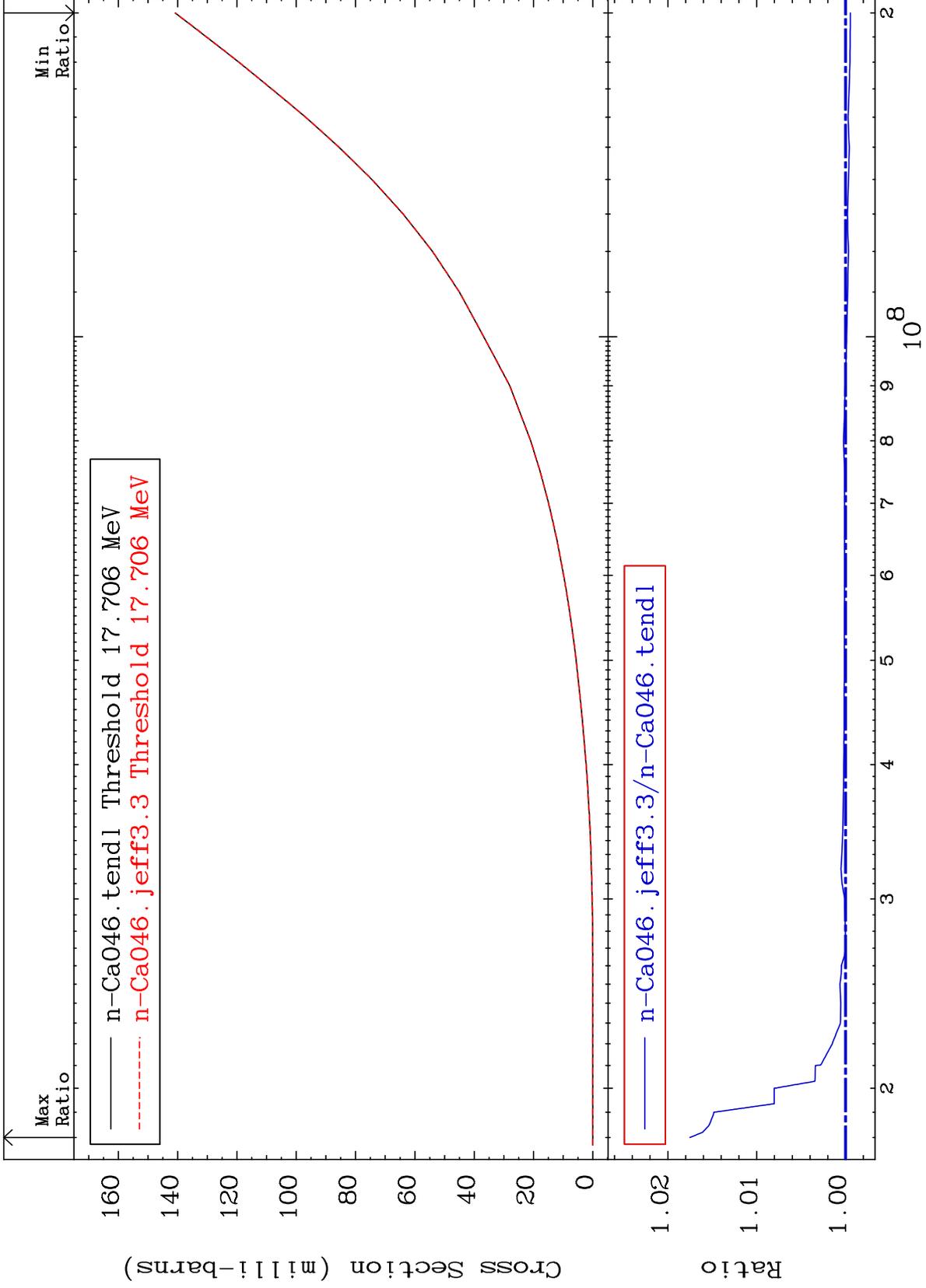
20-Ca-46  
-0.705 To 3.317 %



MAT 2043

He-3 Production  
Cross Section

20-Ca-46  
-0.054 To 1.752 %



61

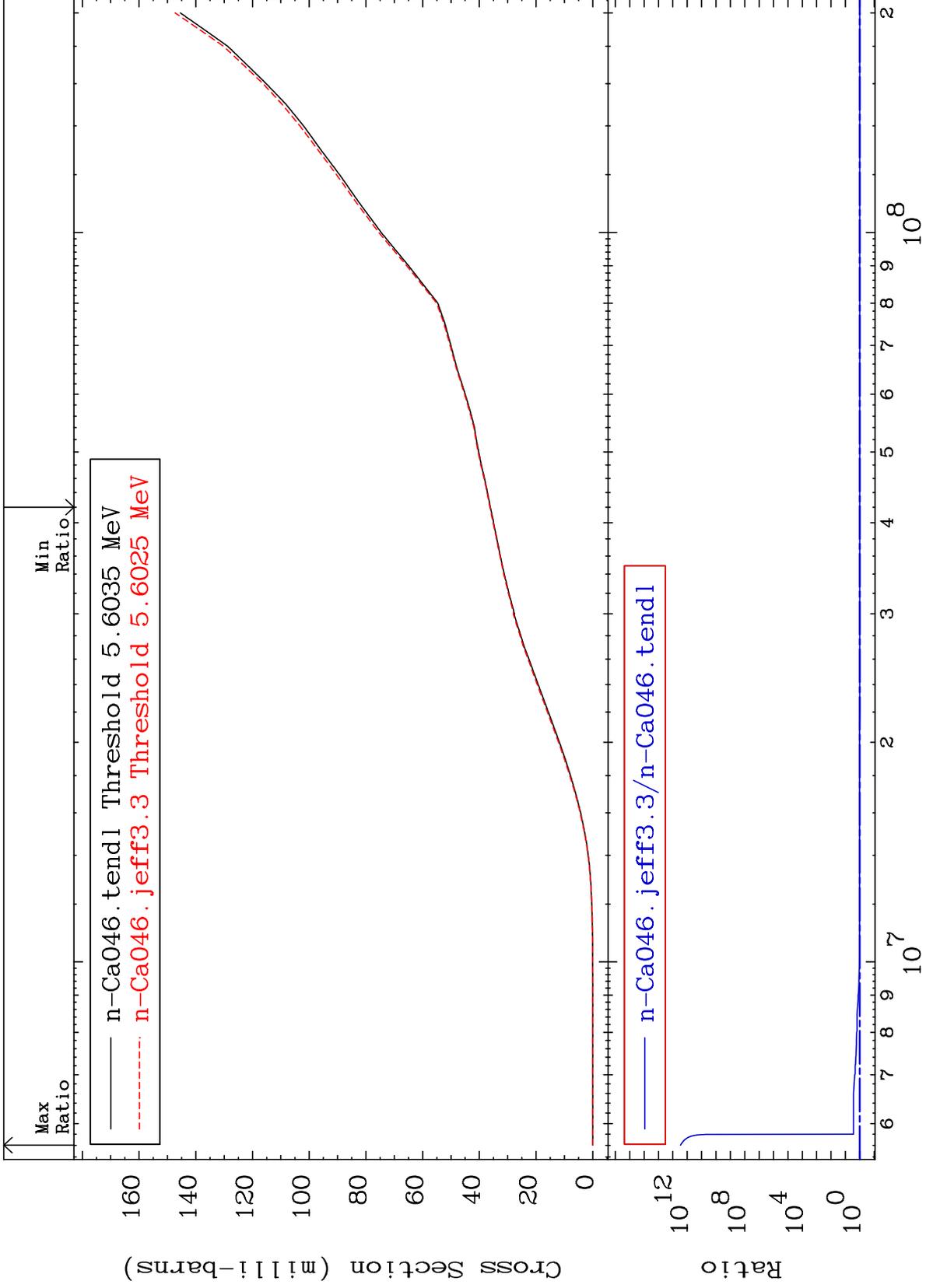
Incident Energy (eV)

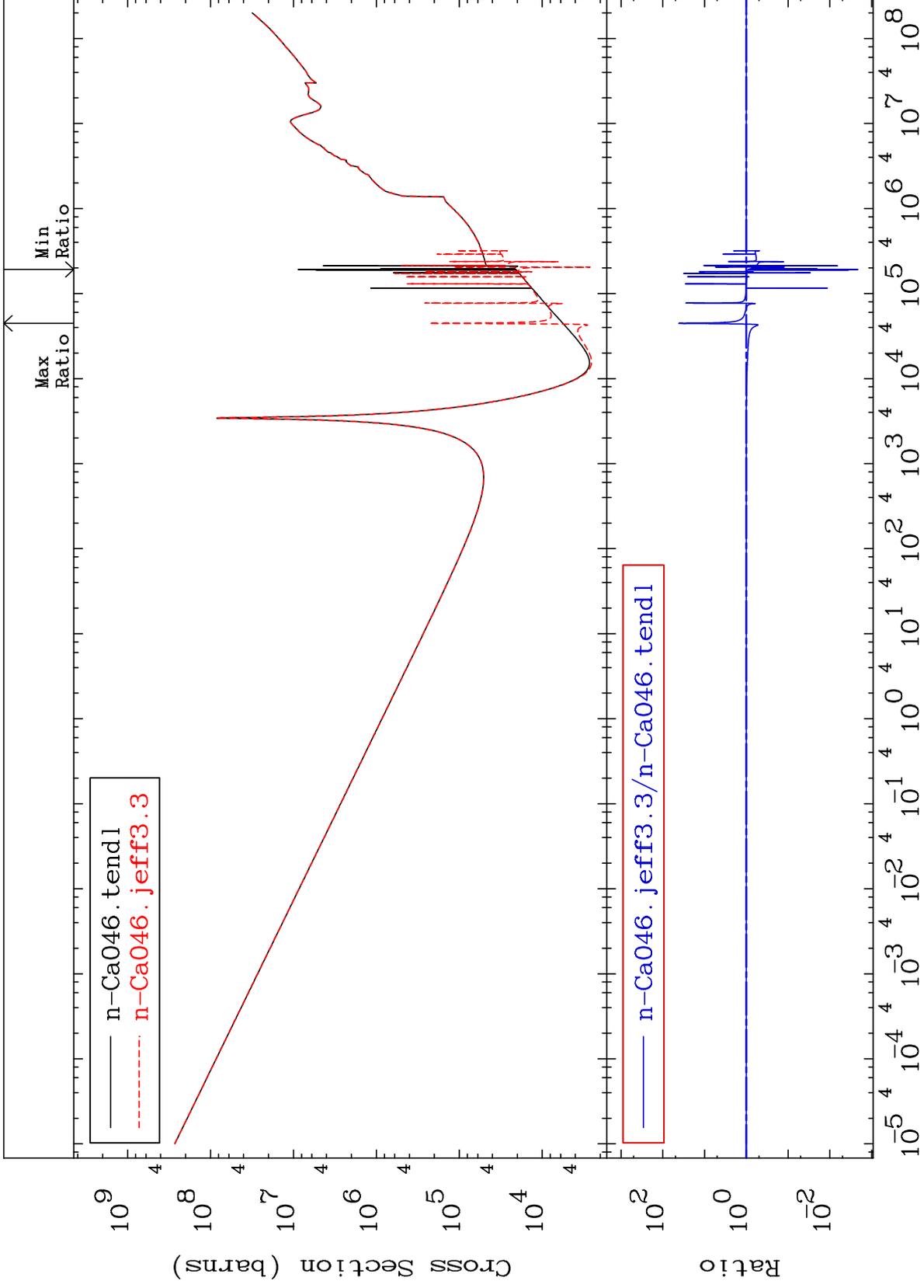
20-Ca-46

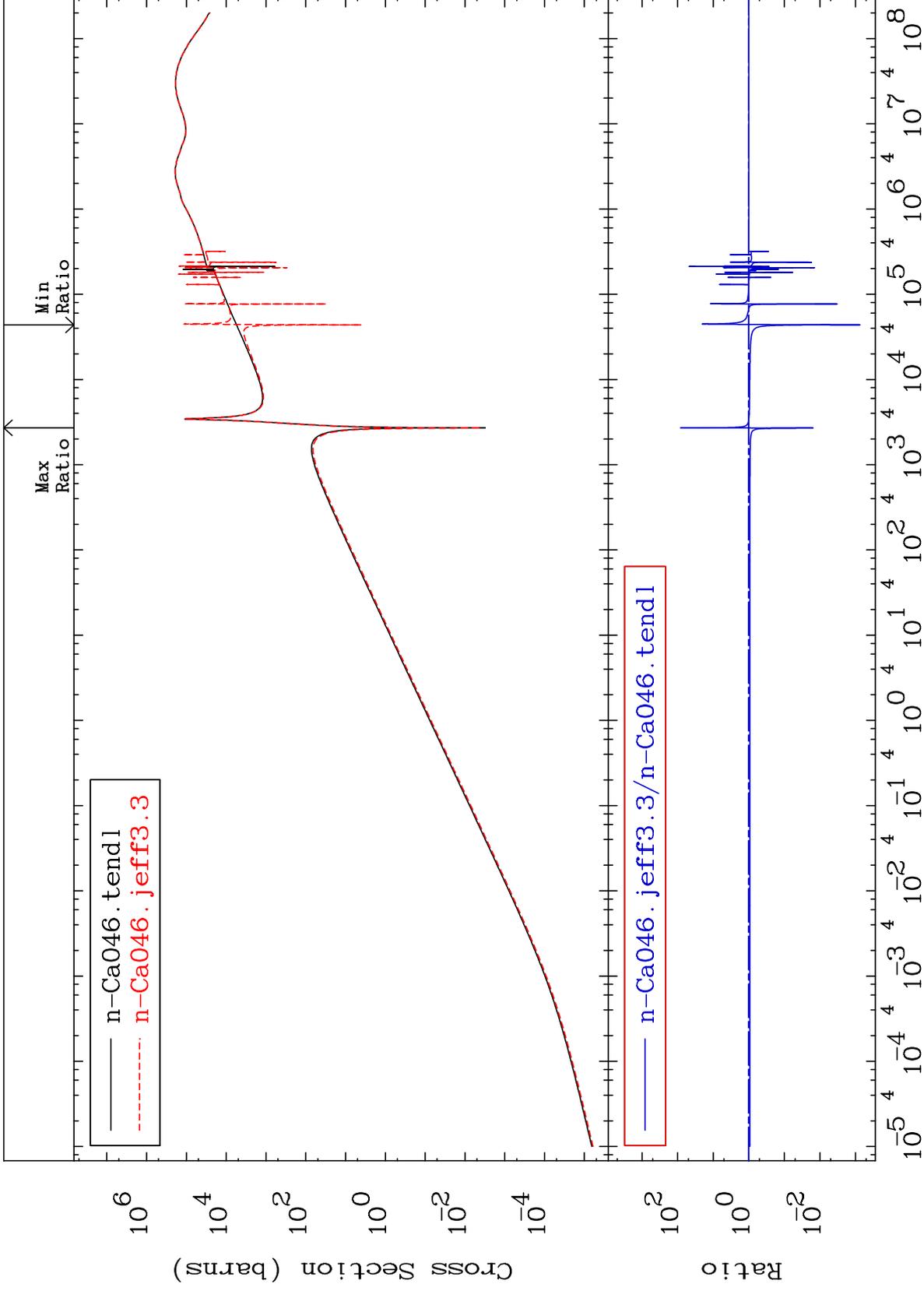
MAT 2043

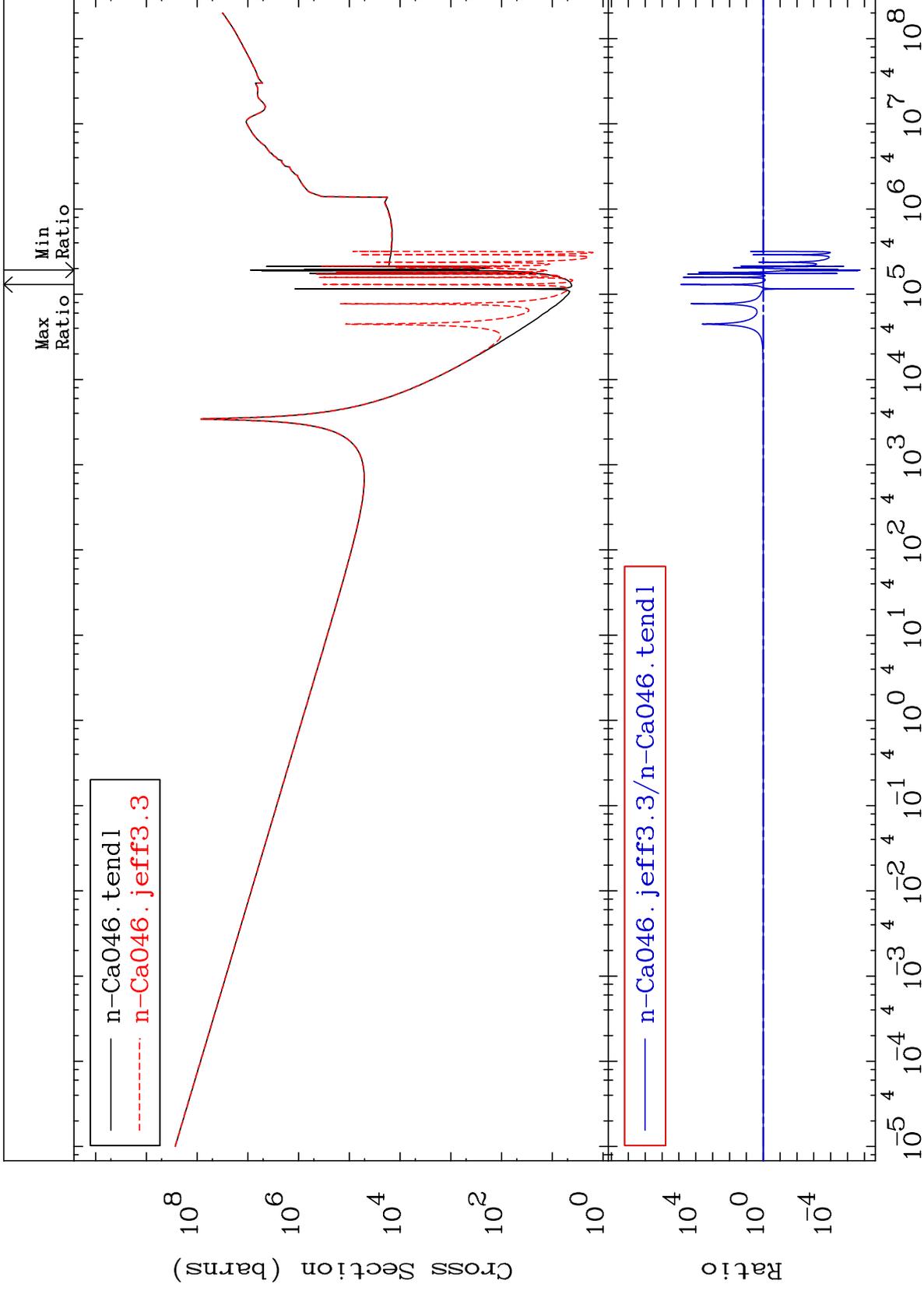
He-4 Production  
Cross Section

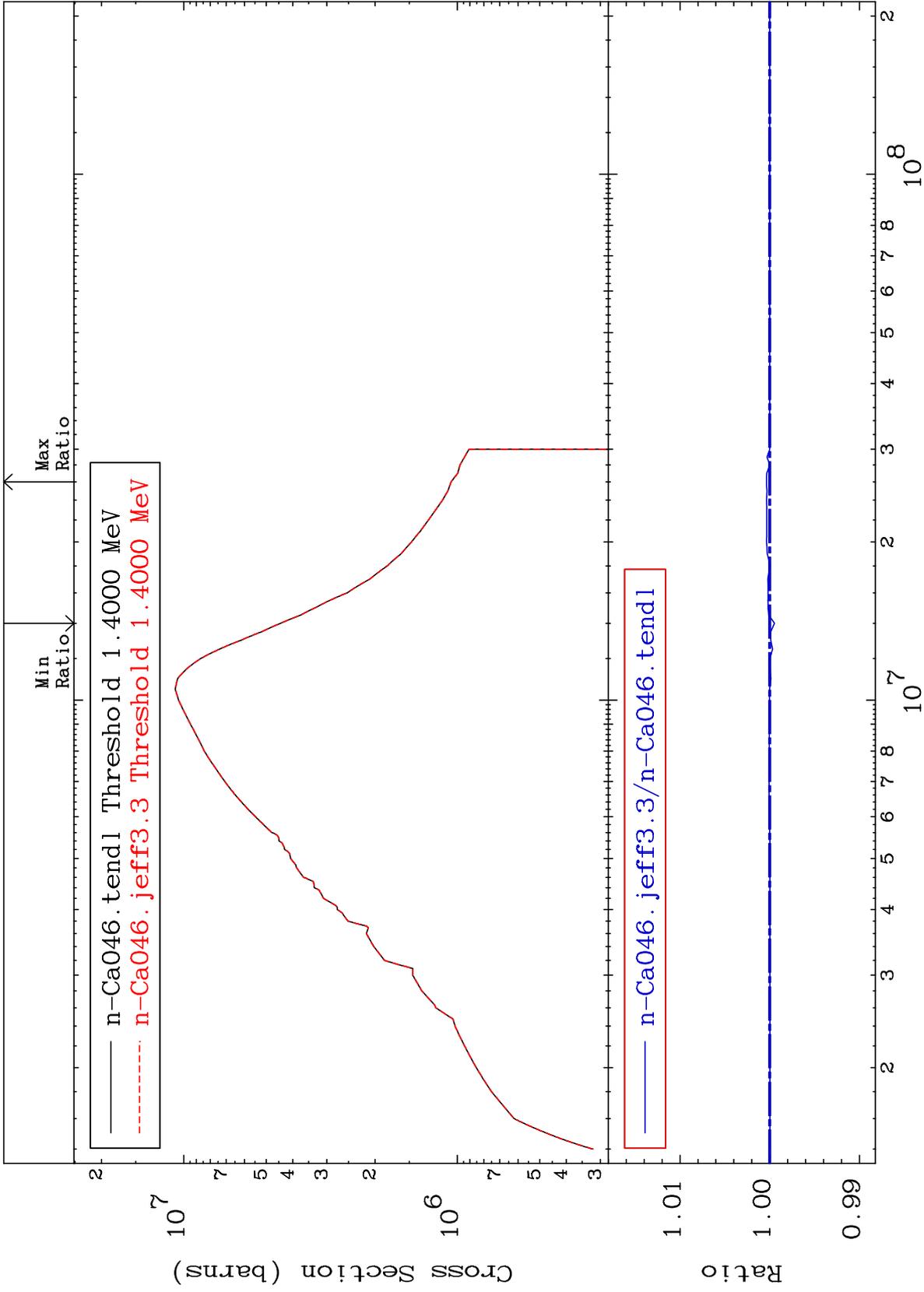
20-Ca-46  
0.441 To 9999. %







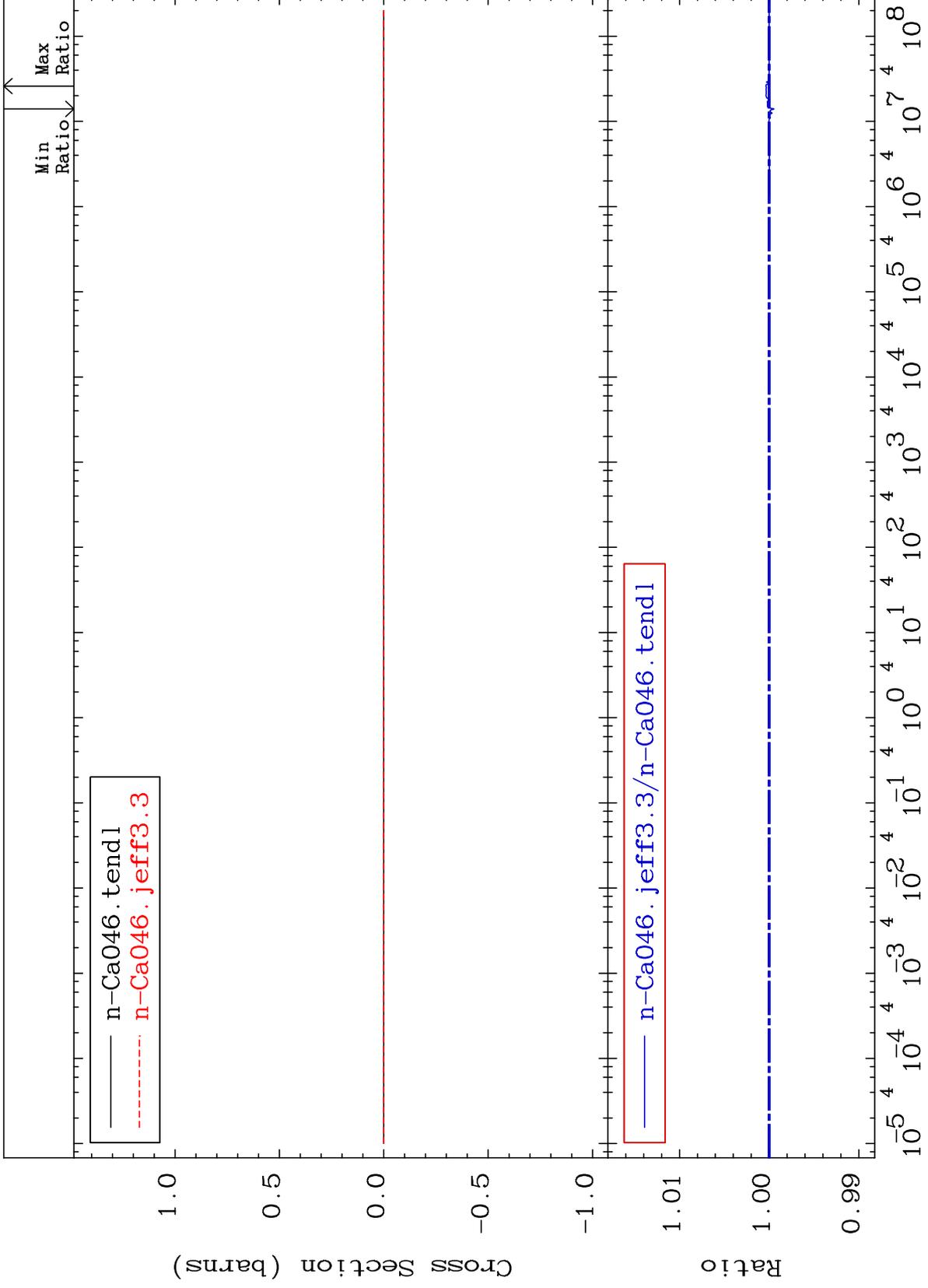




MAT 2043

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

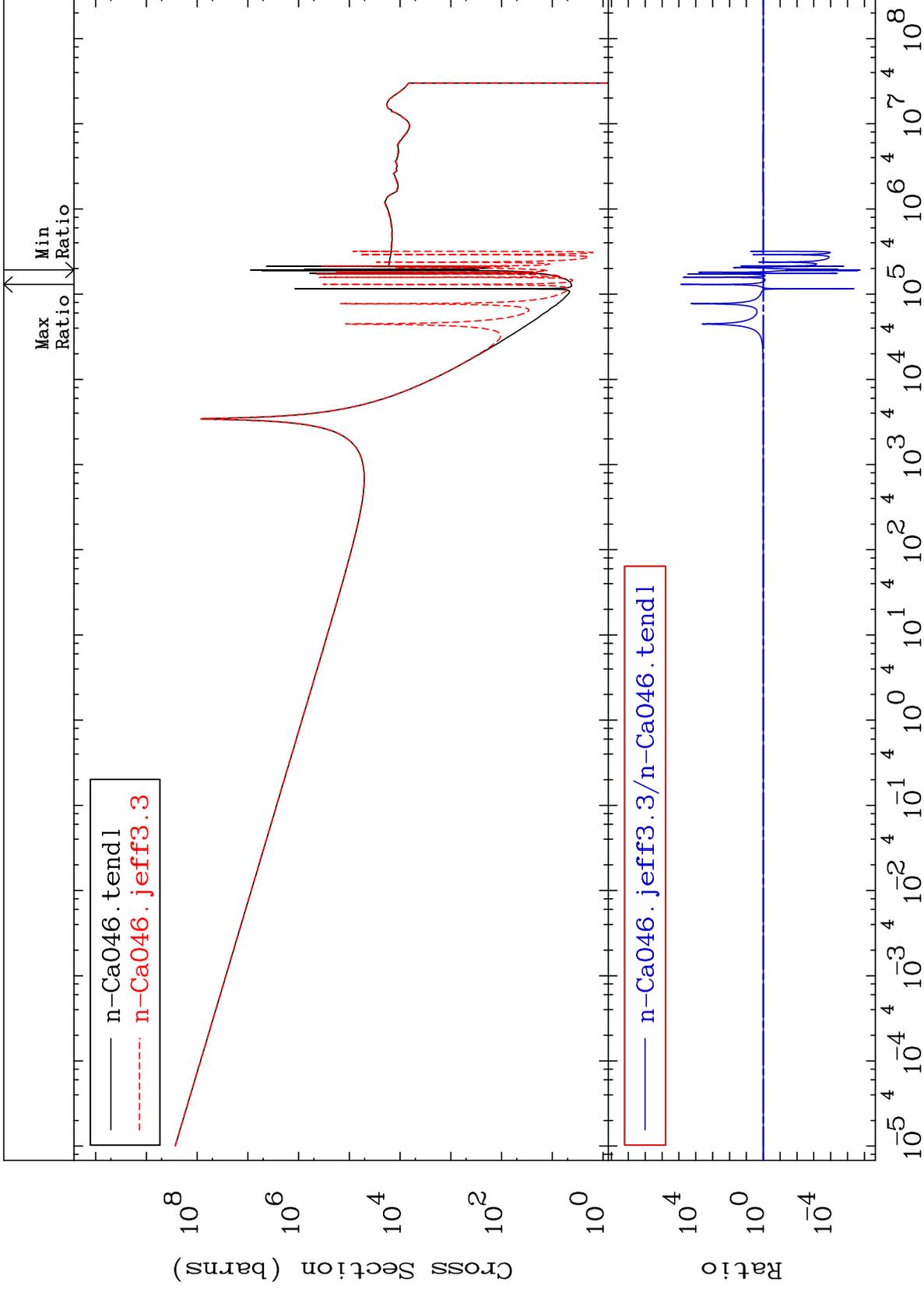
20-Ca-46  
-0.053 To 0.036 %

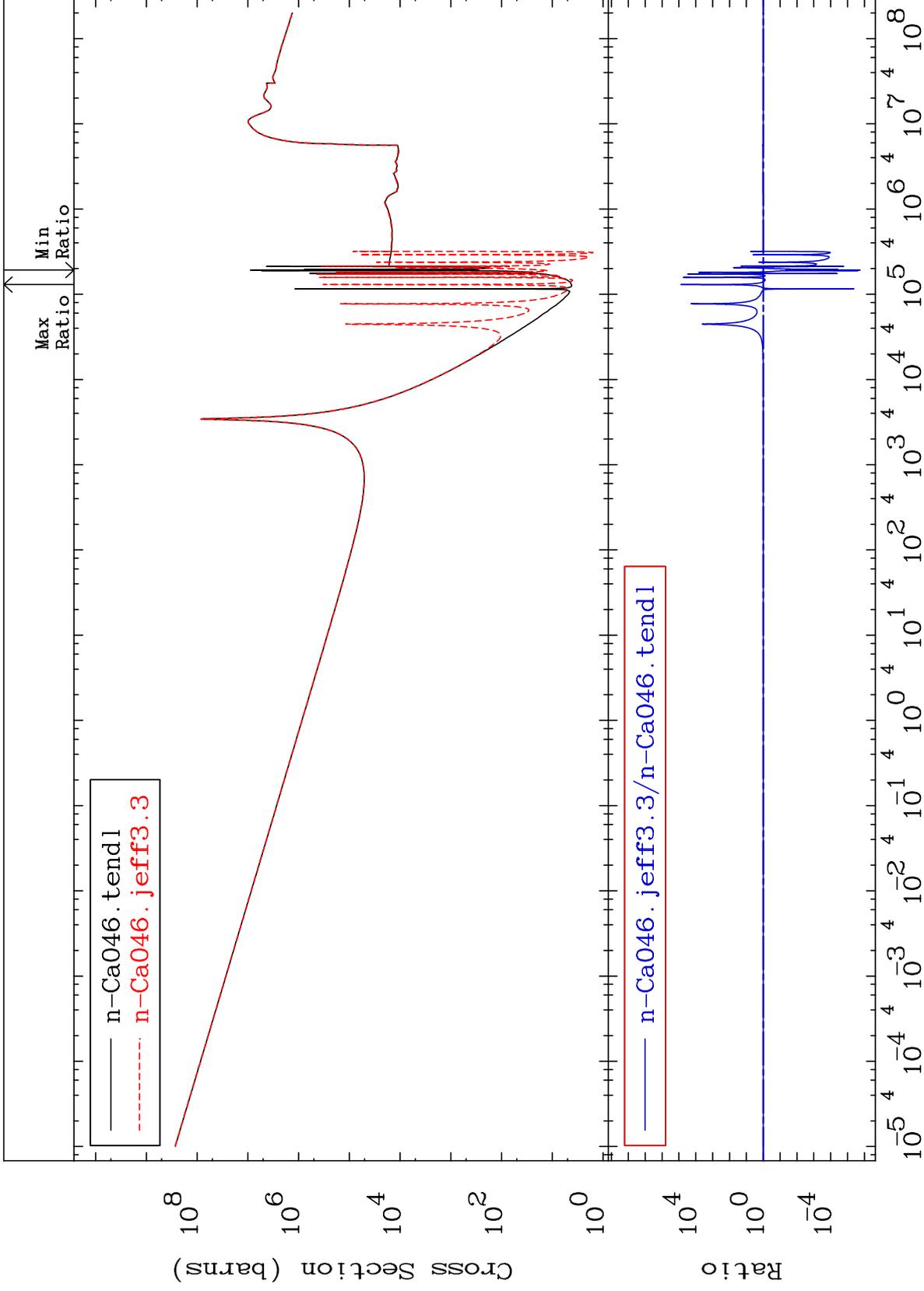


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Incident Energy (eV)

20-Ca-46

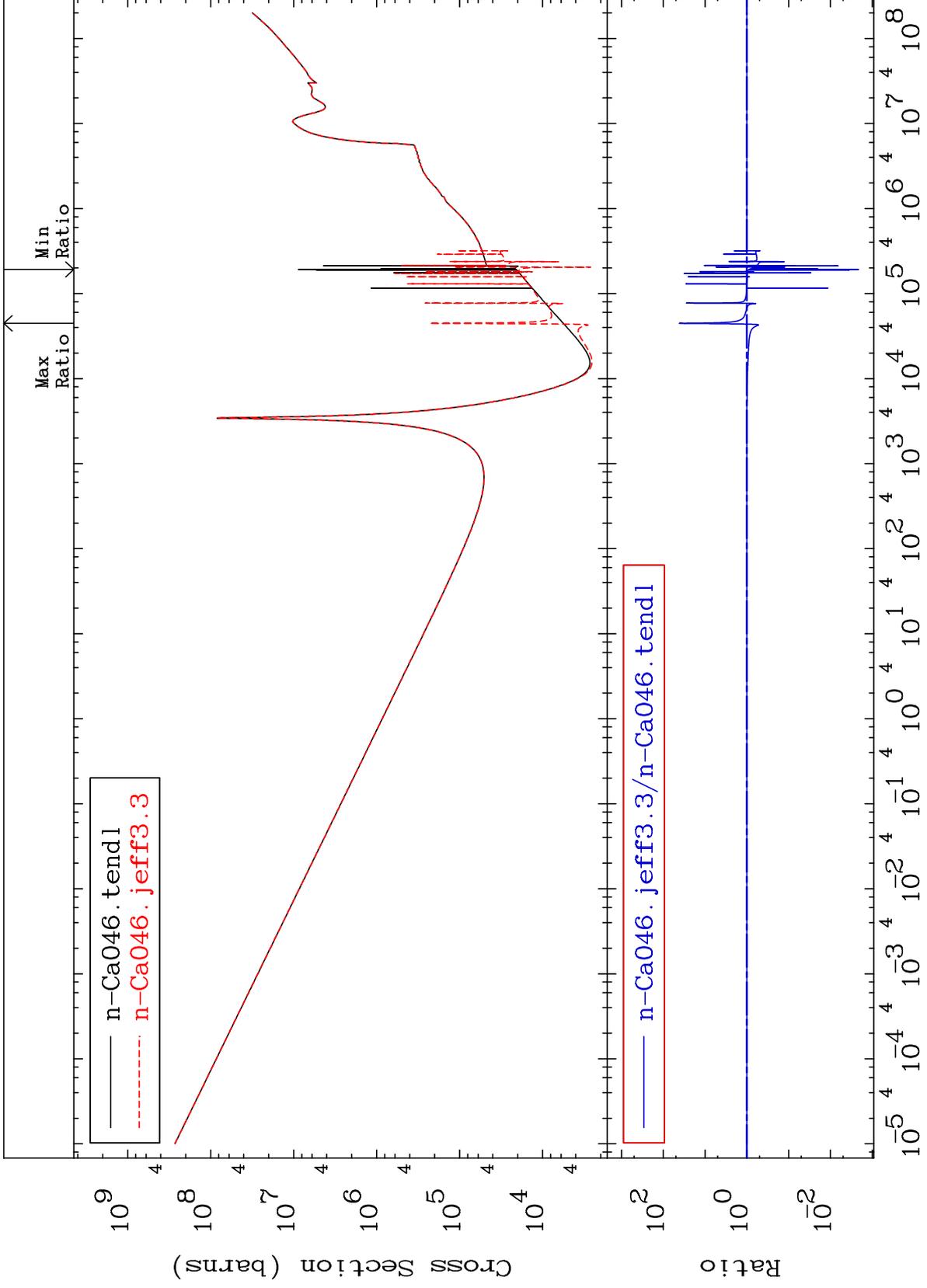




MAT 2043

Total kinematic kerma (high limit)  
Cross Section

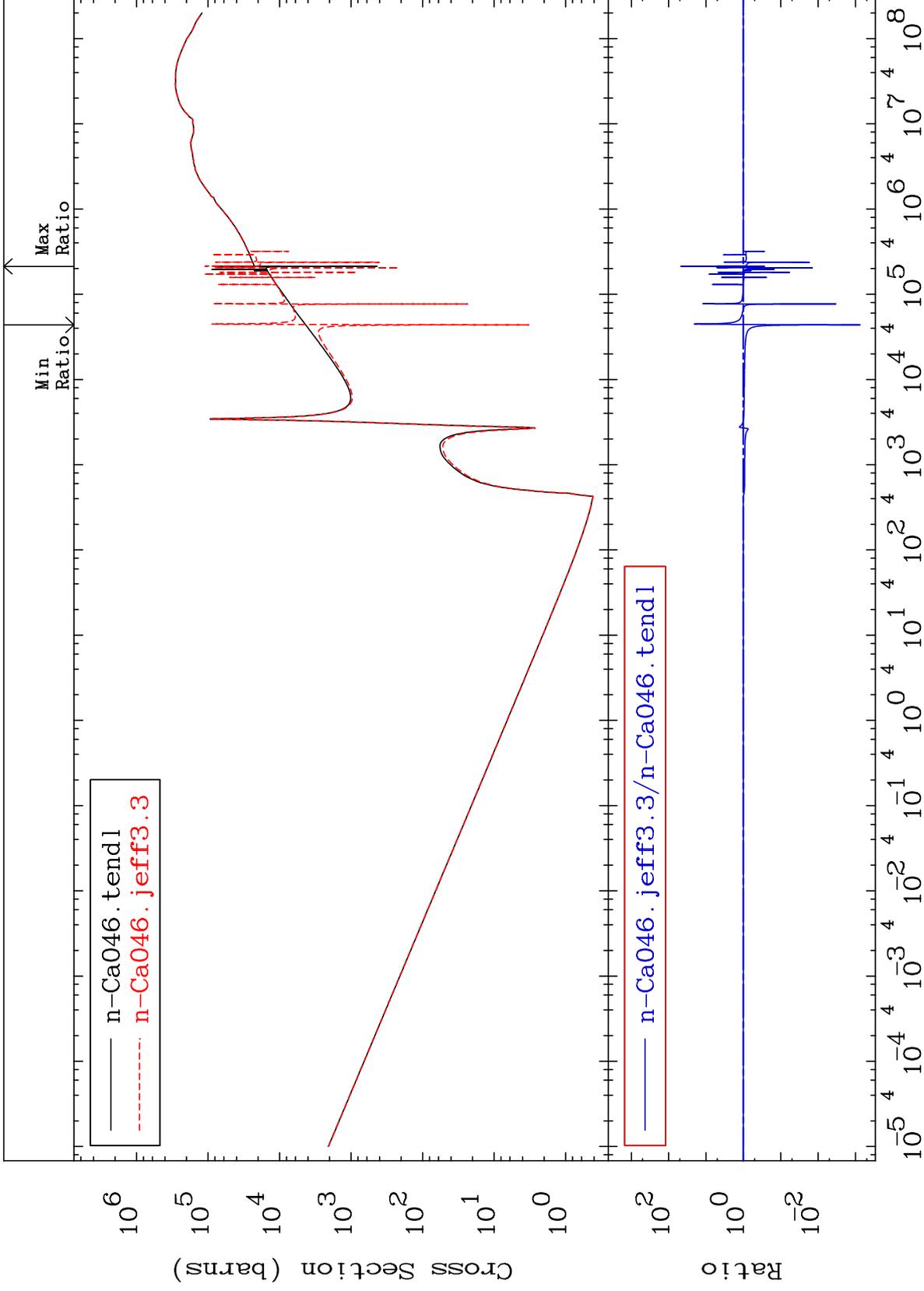
20-Ca-46  
-99.79 To 3987. %

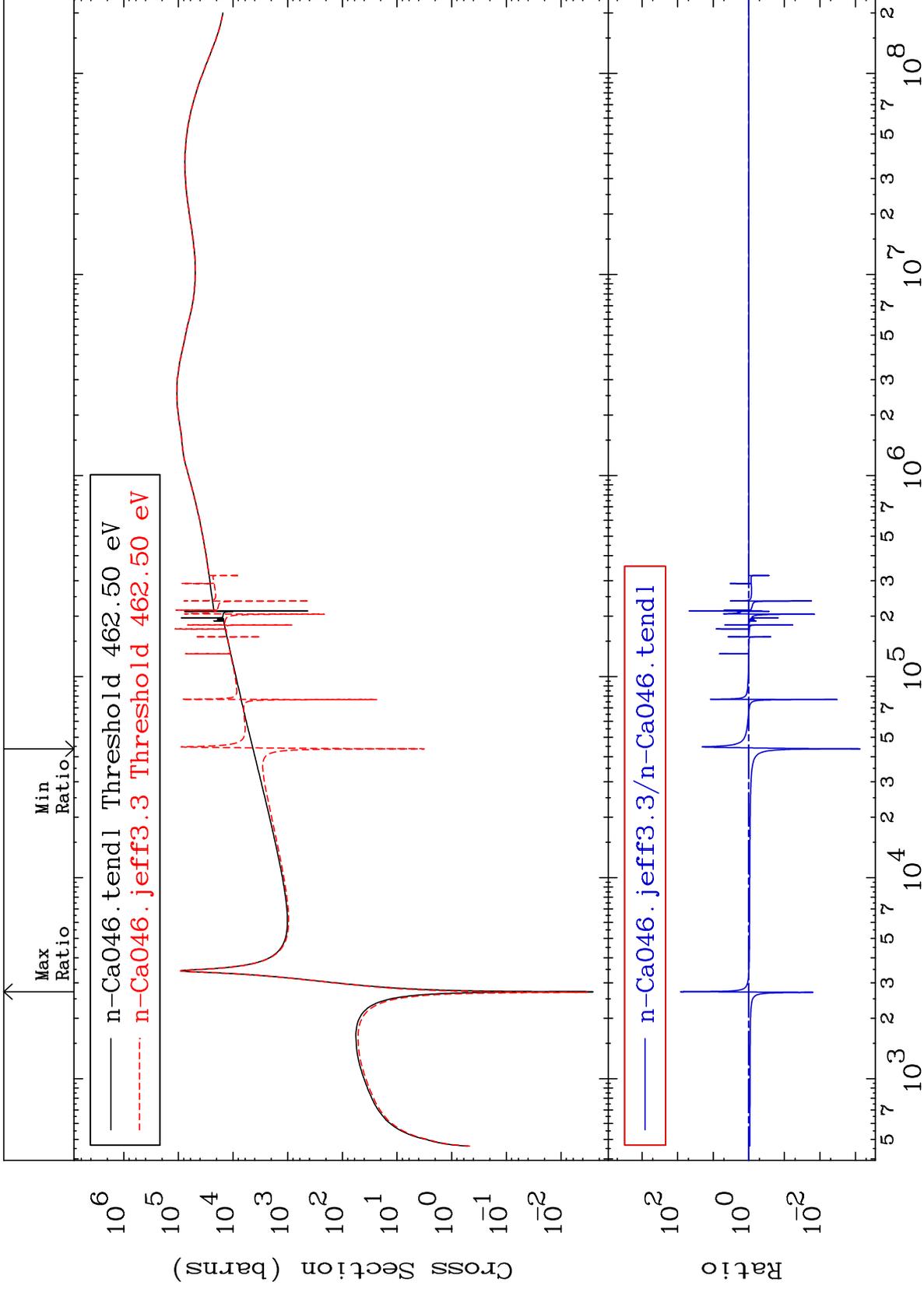


70

Incident Energy (eV)

20-Ca-46





-0.052 To 0.019 %

Cross Section

