

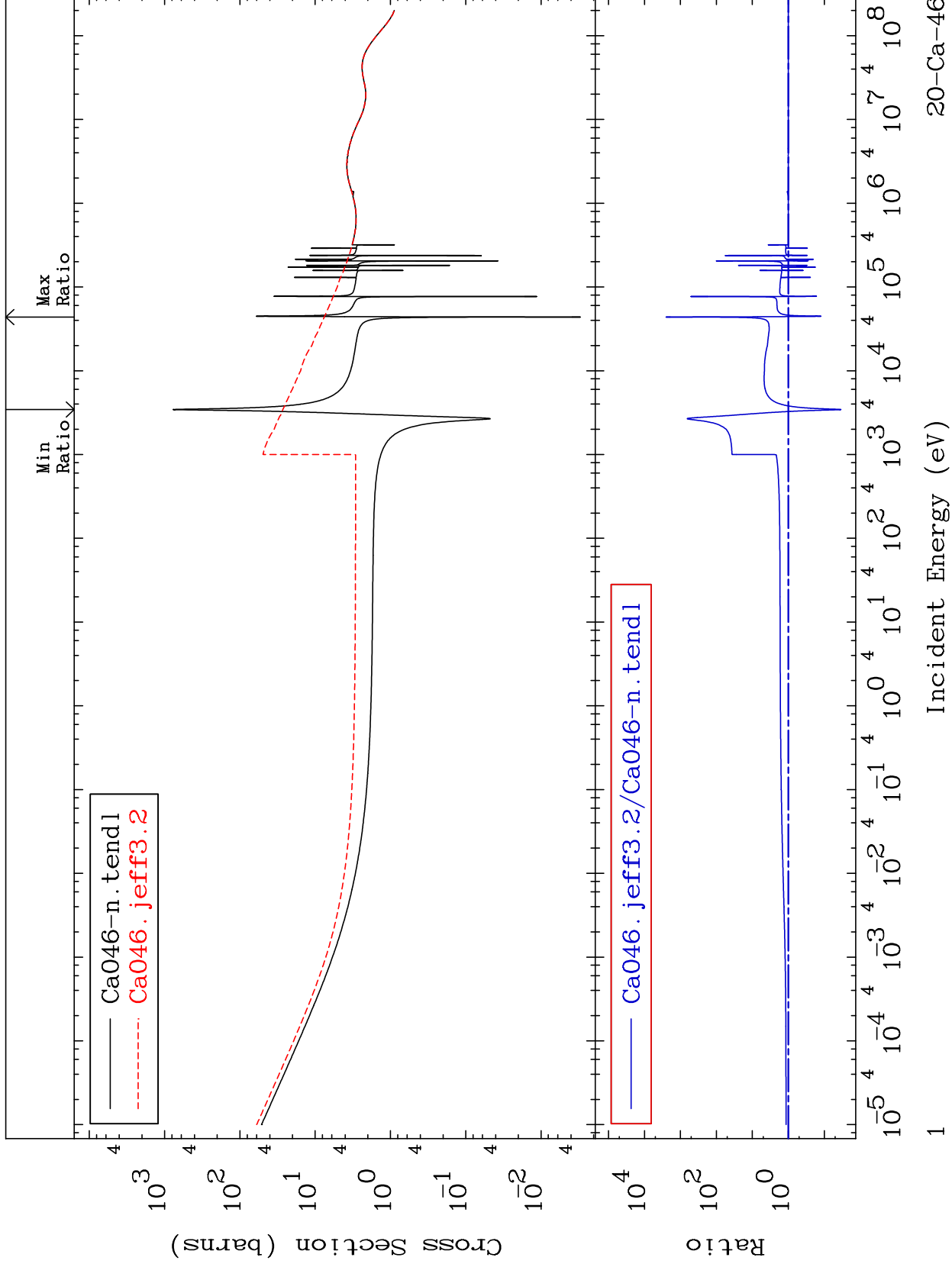
MAT 2043

Total

20-Ca-46

Cross Section

-96.54 To 9999. %



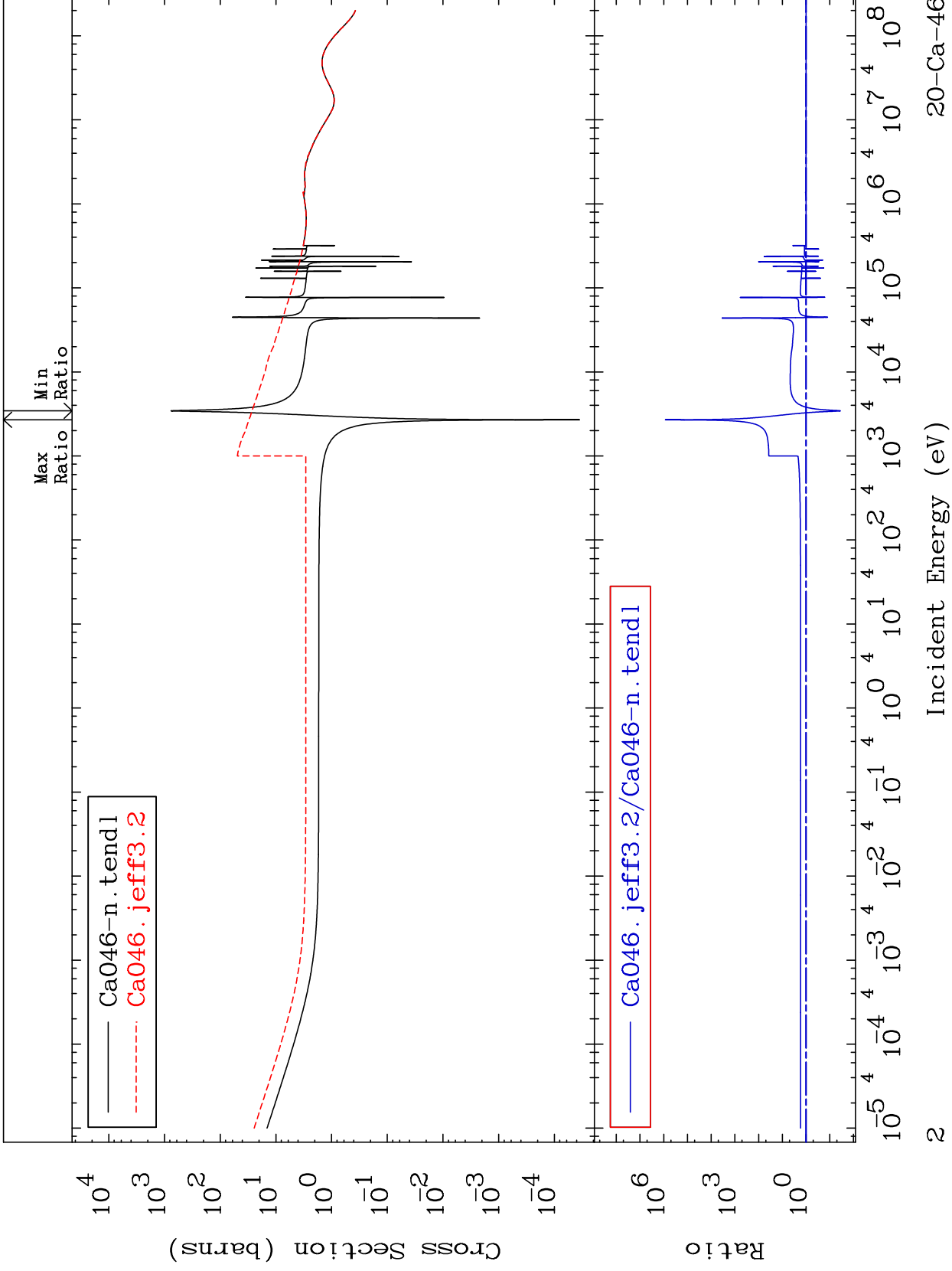
Incident Energy (eV)

20-Ca-46

MAT 2043

Elastic  
Cross Section

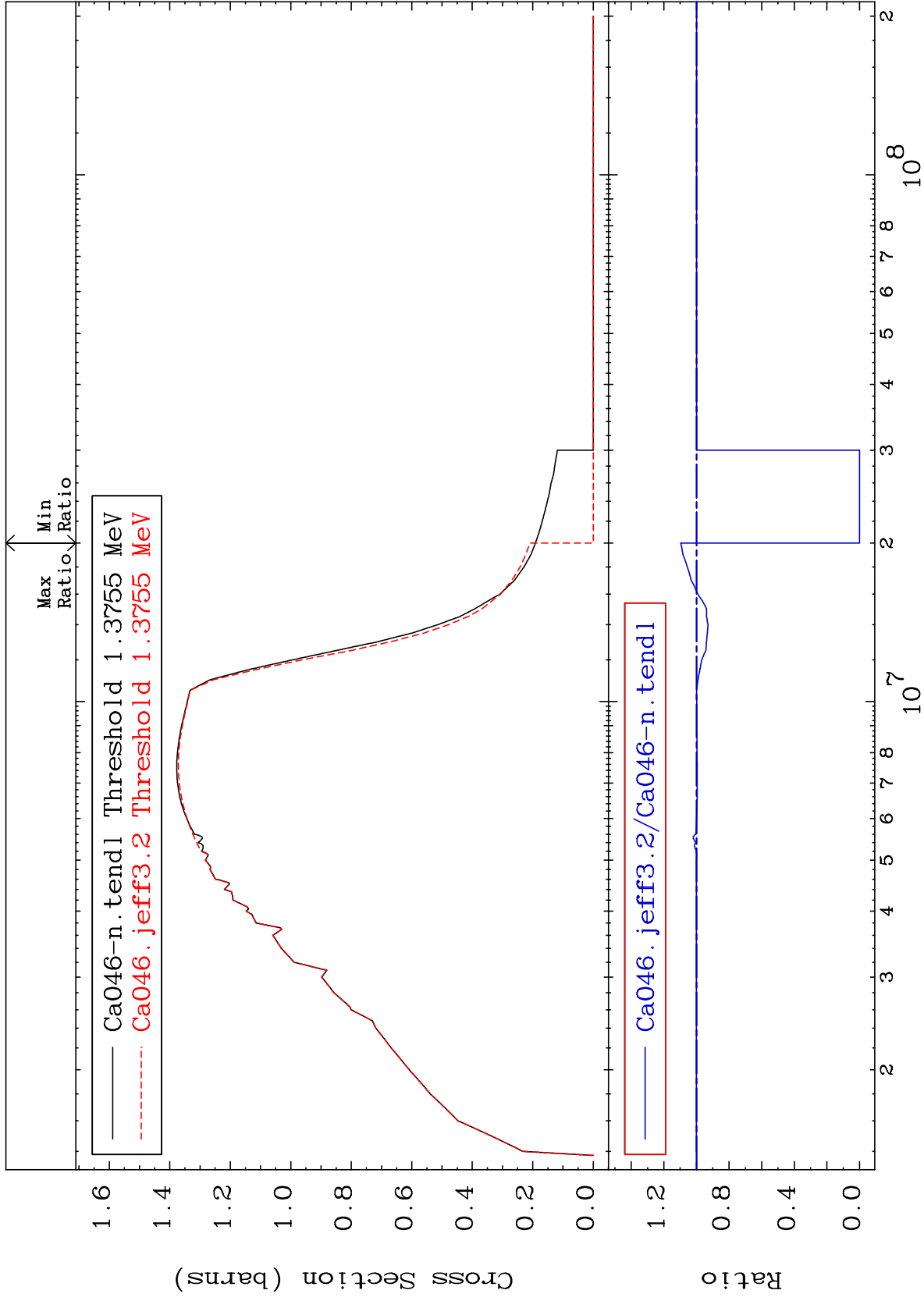
20-Ca-46  
-96.49 To 9999. %



MAT 2043

20-Ca-46

Inelastic Cross Section -100.0 To 9.647 %



3

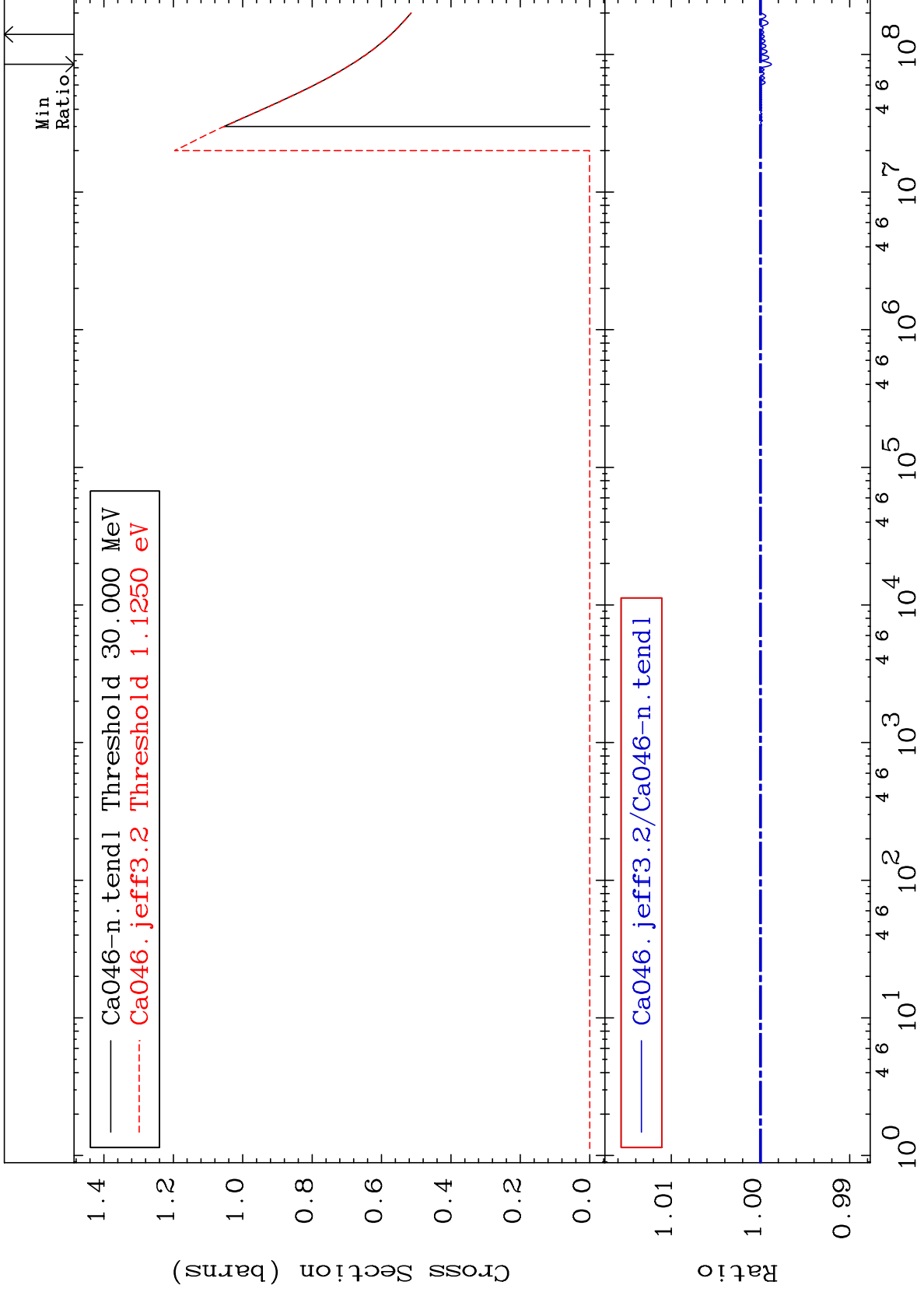
Incident Energy (eV)

20-Ca-46

MAT 2043

(n, remainder)  
Cross Section

20-Ca-46  
-0.124 To 0.000 %



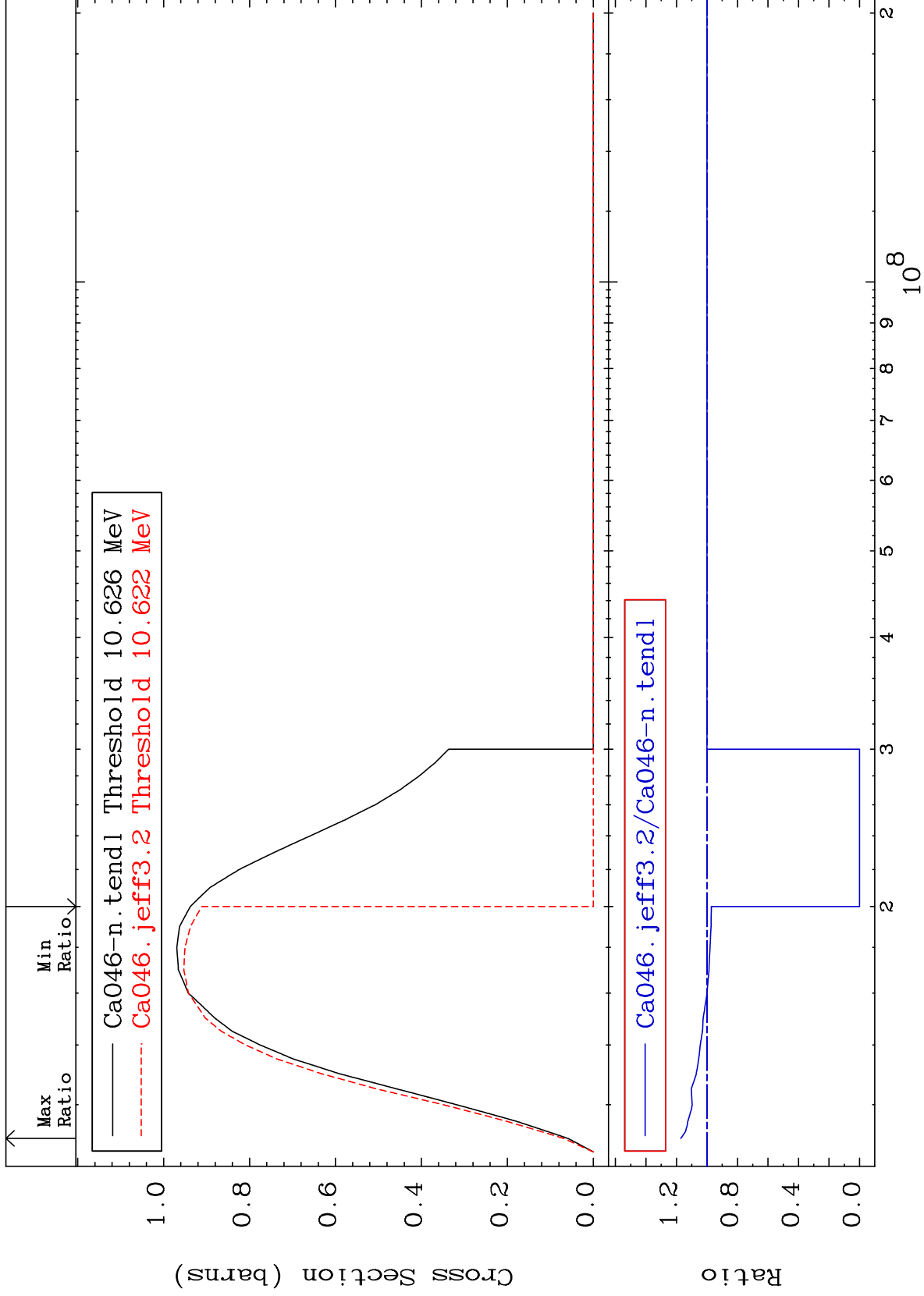
Incident Energy (eV)

20-Ca-46

MAT 2043

(n,2n)  
Cross Section

20-Ca-46  
-100.0 To 17.18 %



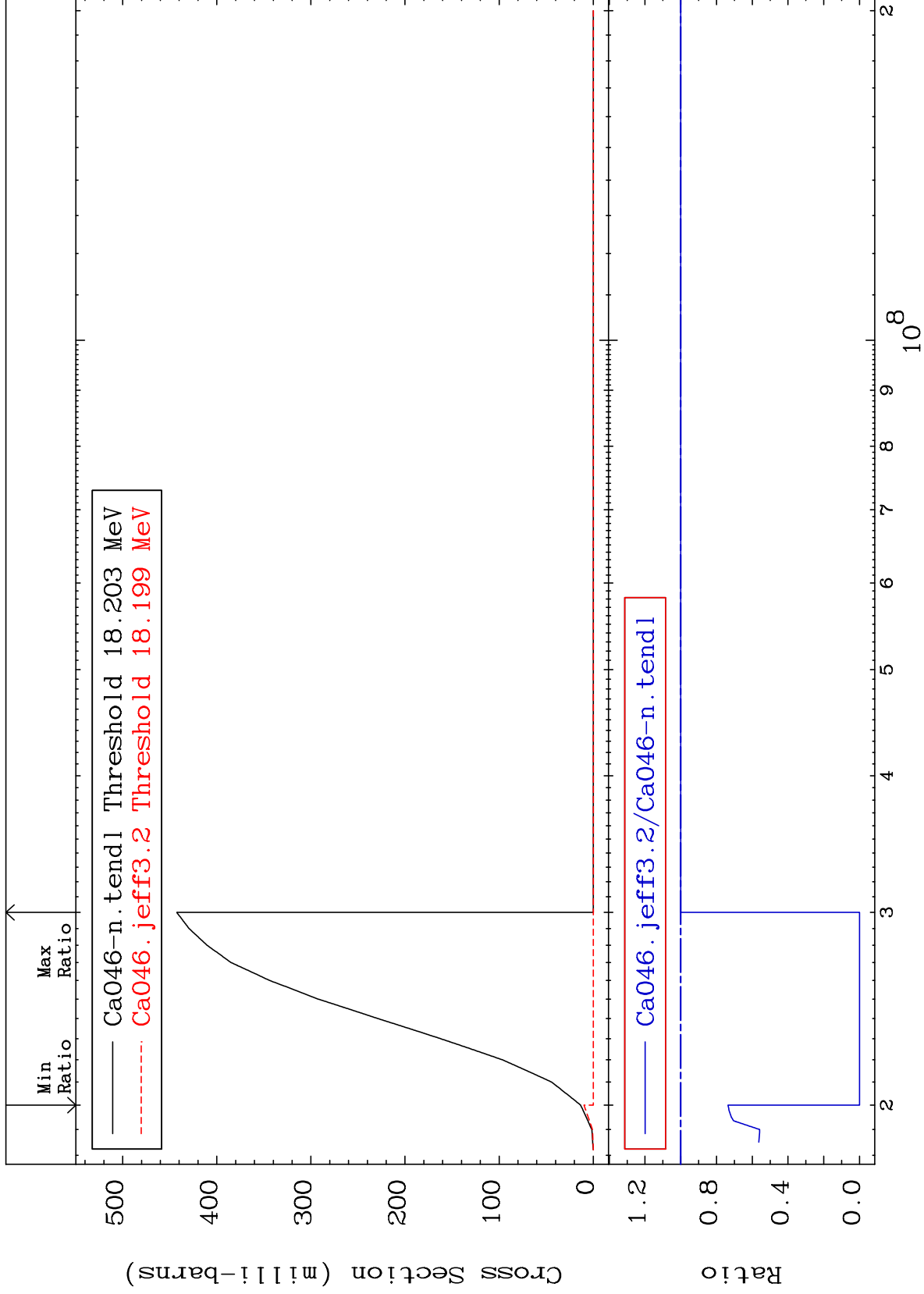
MAT 2043

(n, 3n)

20-Ca-46

Cross Section

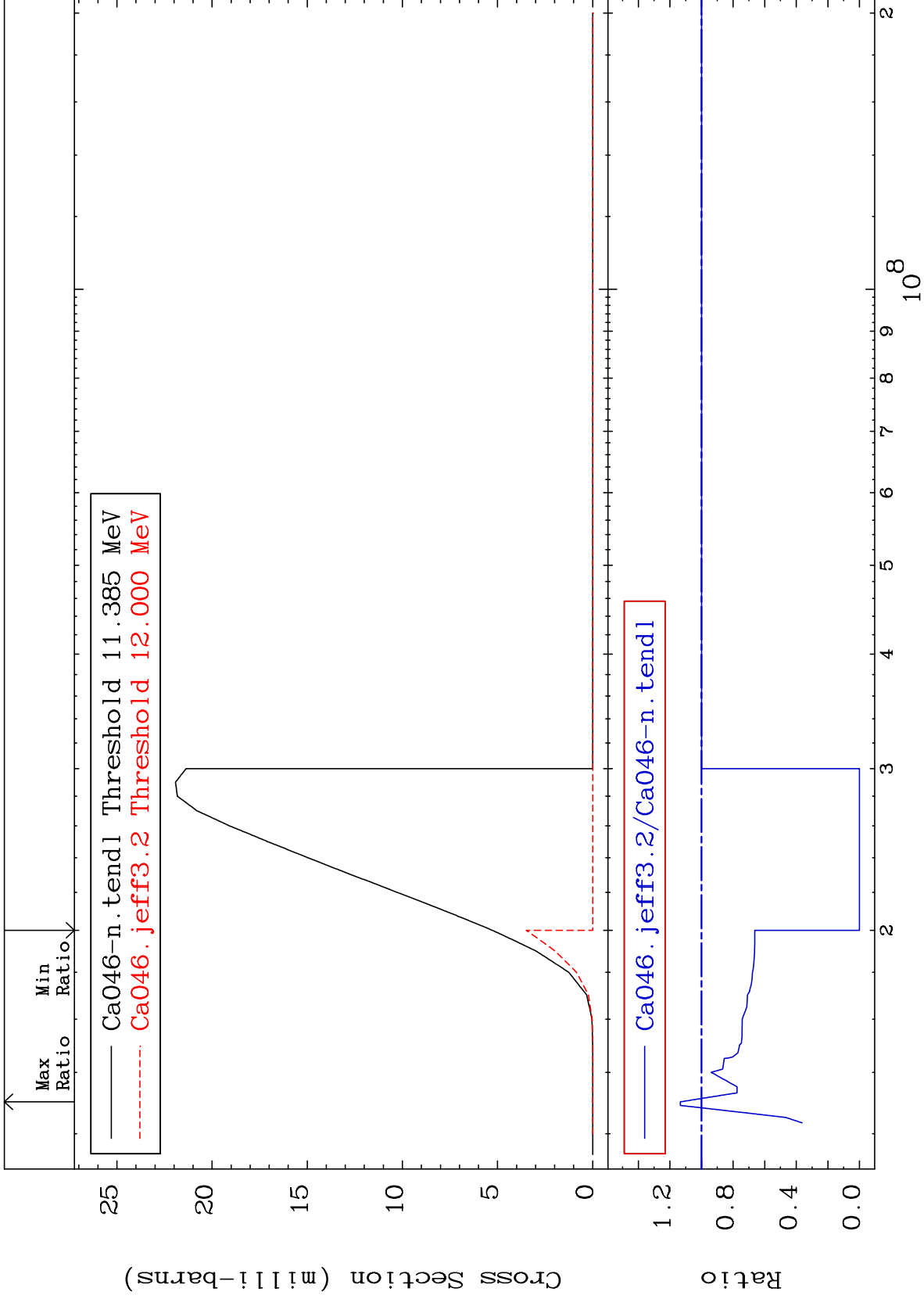
-100.0 To 0.000 %



MAT 2043

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

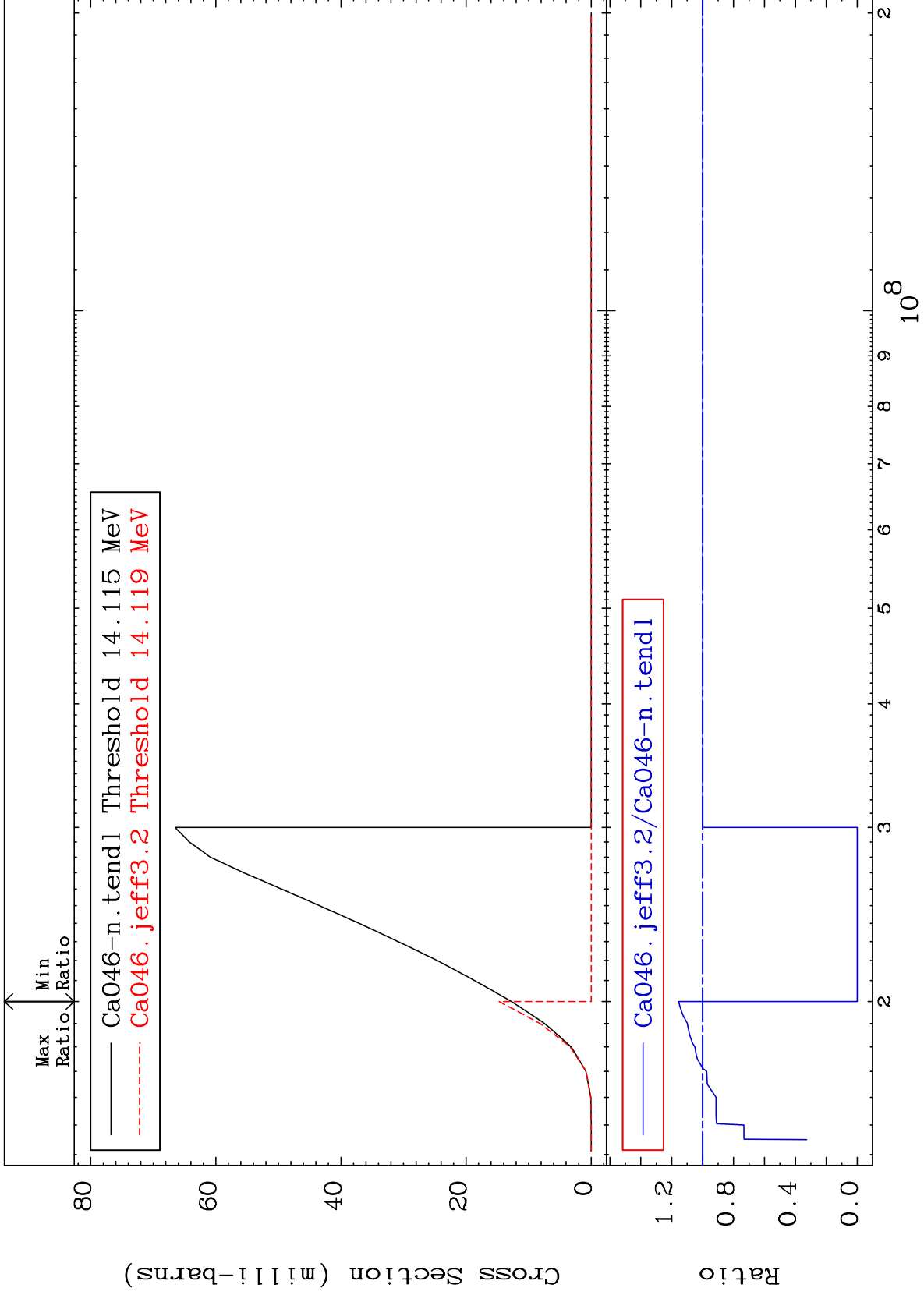
20-Ca-46  
-100.0 To 13.37 %



MAT 2043

(n, n') p  
Cross Section

20-Ca-46  
-100.0 To 15.54 %





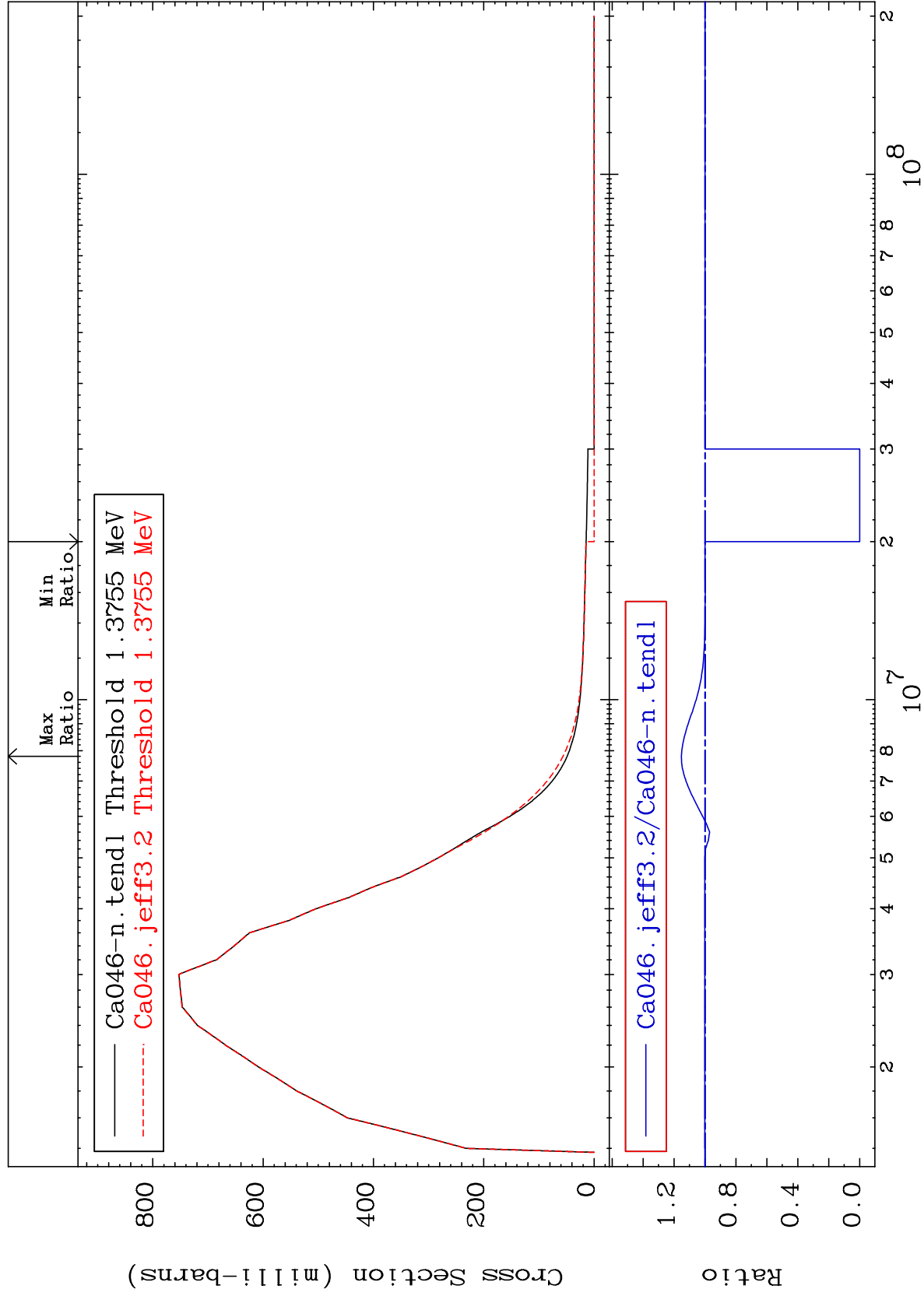
MAT 2043

1.346 MeV (n,n') Level

20-Ca-46

-100.0 To 15.24 %

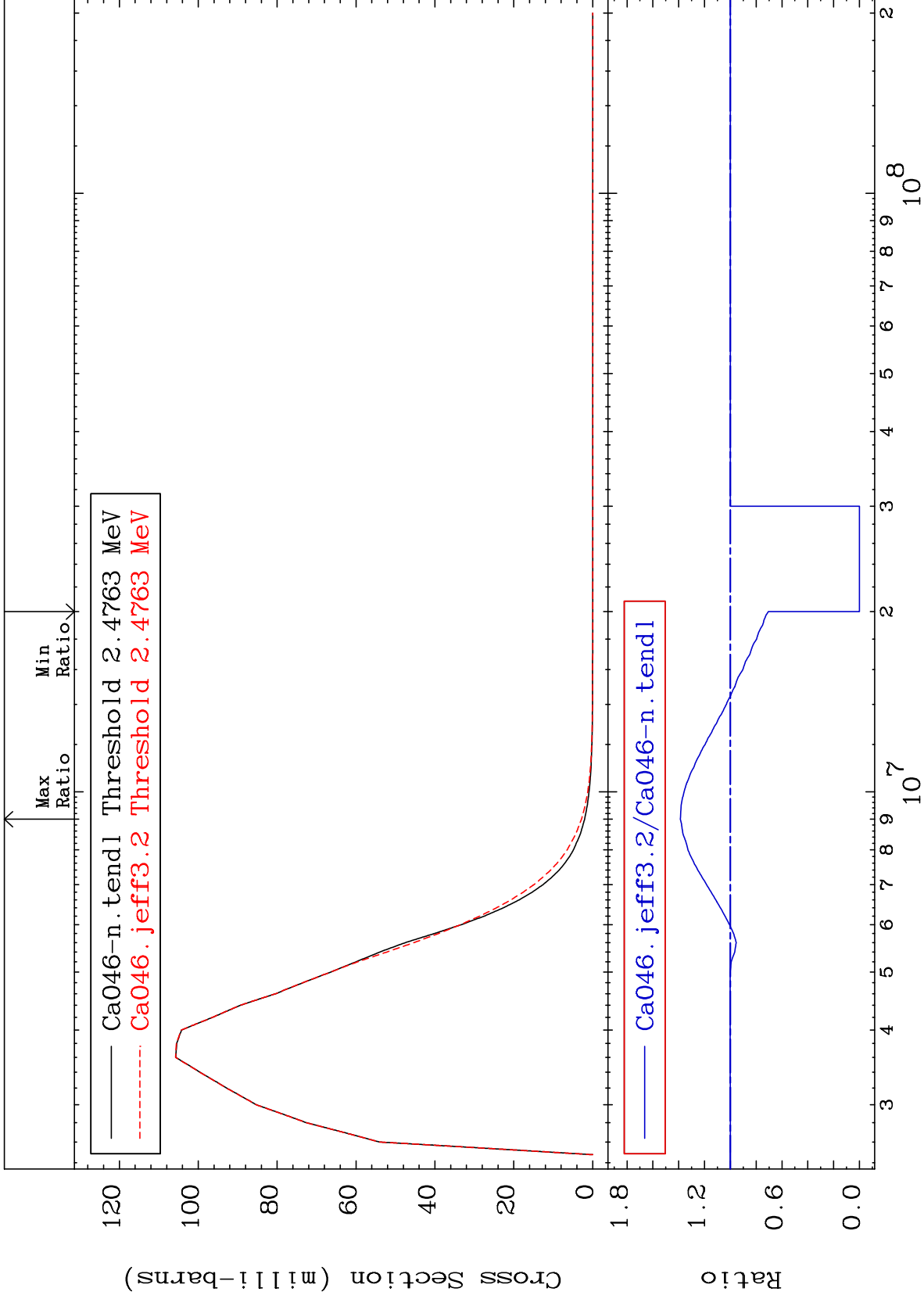
Cross Section



MAT 2043

2.423 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 38.70 %



10

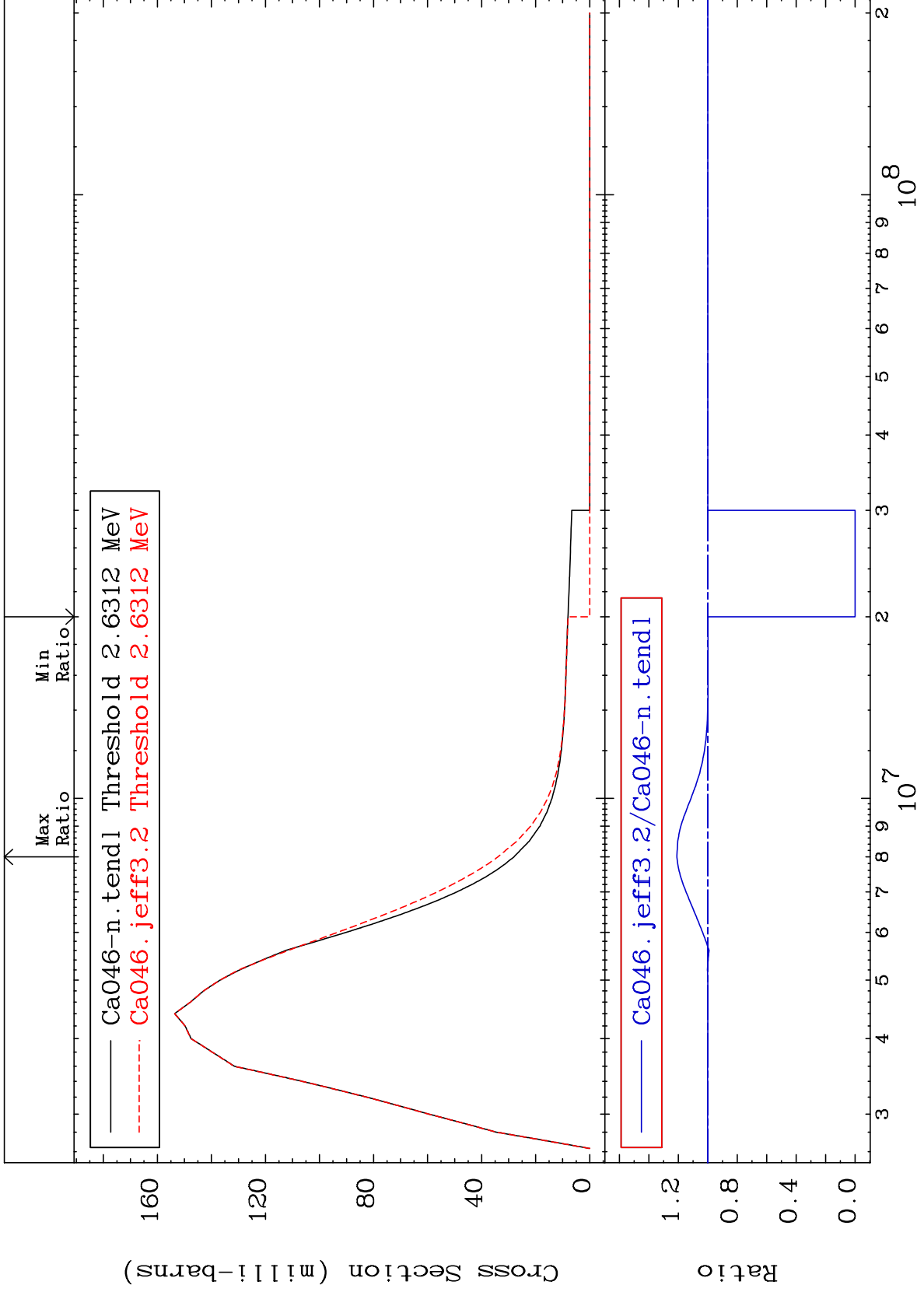
Incident Energy (eV)

20-Ca-46

MAT 2043

2.575 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 20.96 %



11

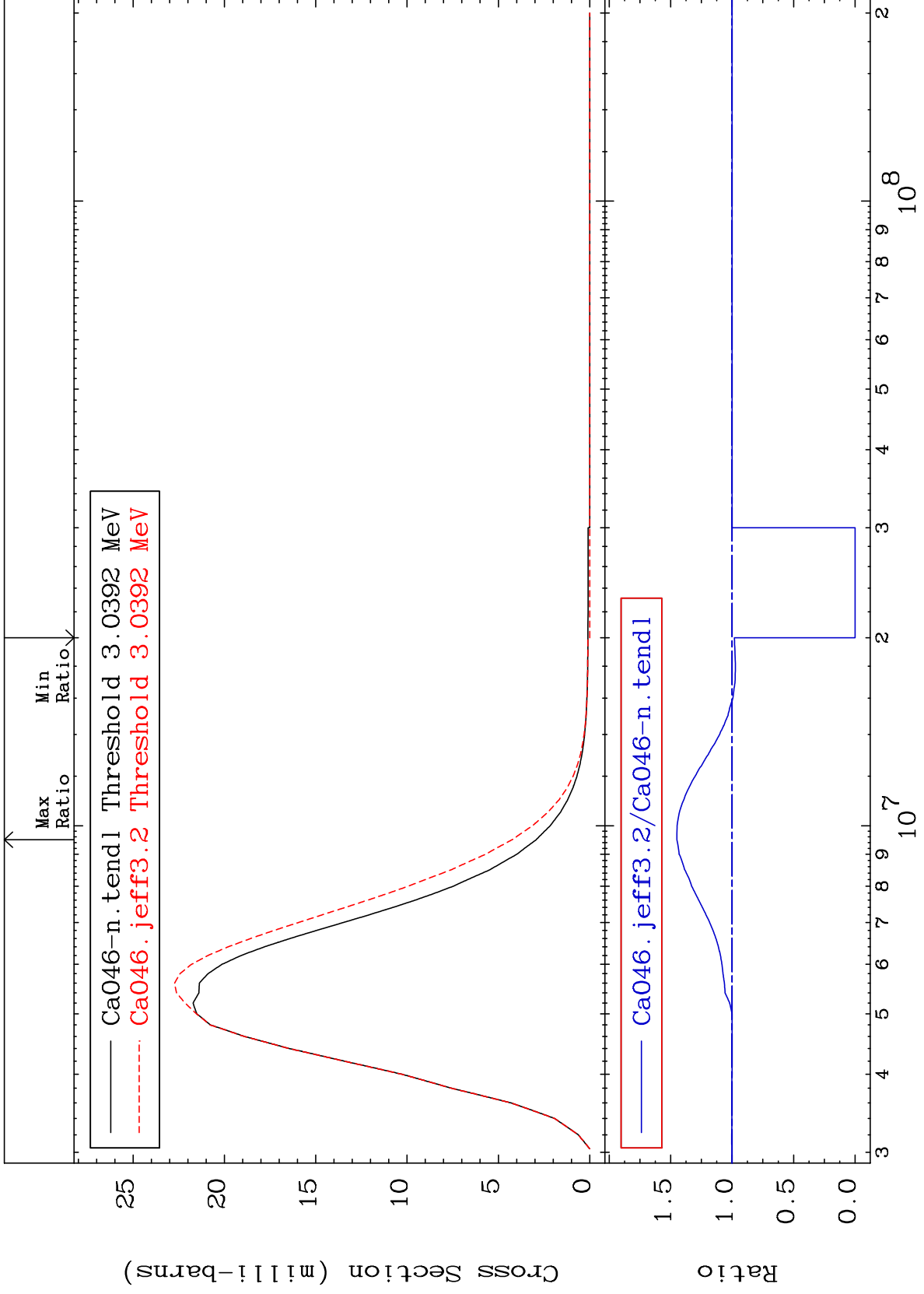
Incident Energy (eV)

20-Ca-46

MAT 2043

2.974 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 44.89 %



12

Incident Energy (eV)

20-Ca-46

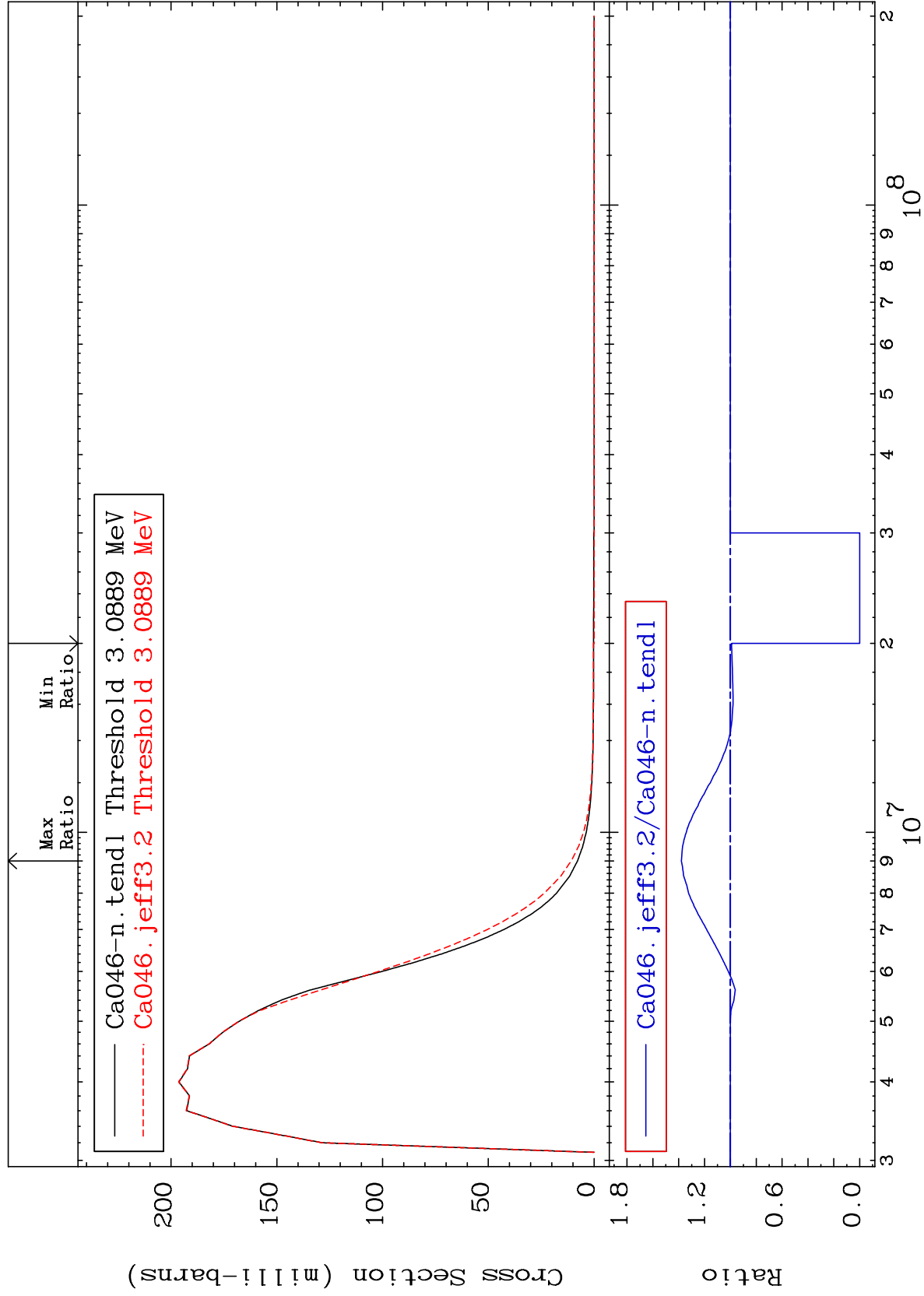
MAT 2043

3.023 MeV (n,n') Level

20-Ca-46

-100.0 To 37.92 %

Cross Section



13

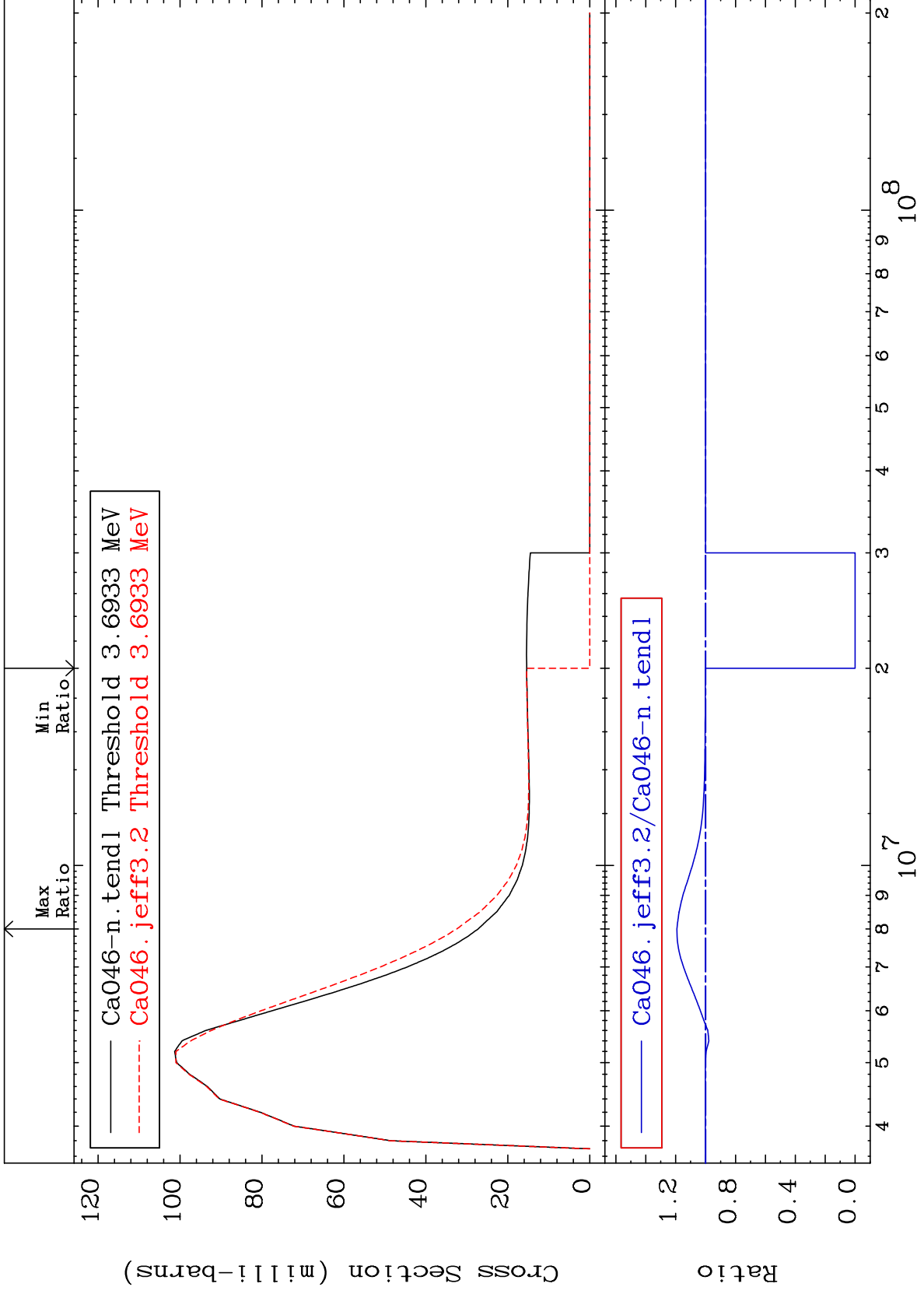
Incident Energy (eV)

20-Ca-46

MAT 2043

3.614 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 19.19 %



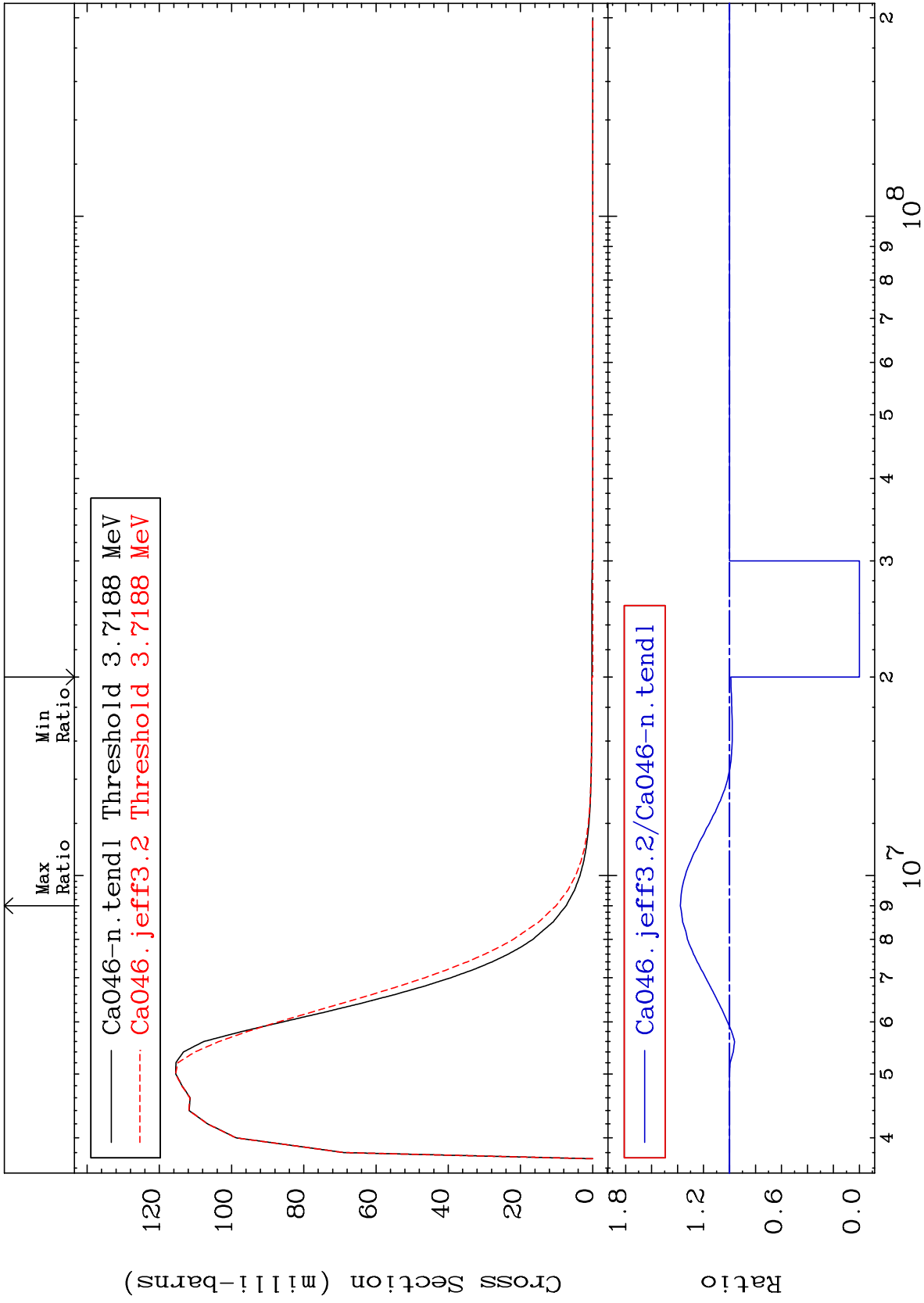
MAT 2043

3.639 MeV (n,n') Level

20-Ca-46

-100.0 To 37.85 %

Cross Section



15

Incident Energy (eV)

20-Ca-46

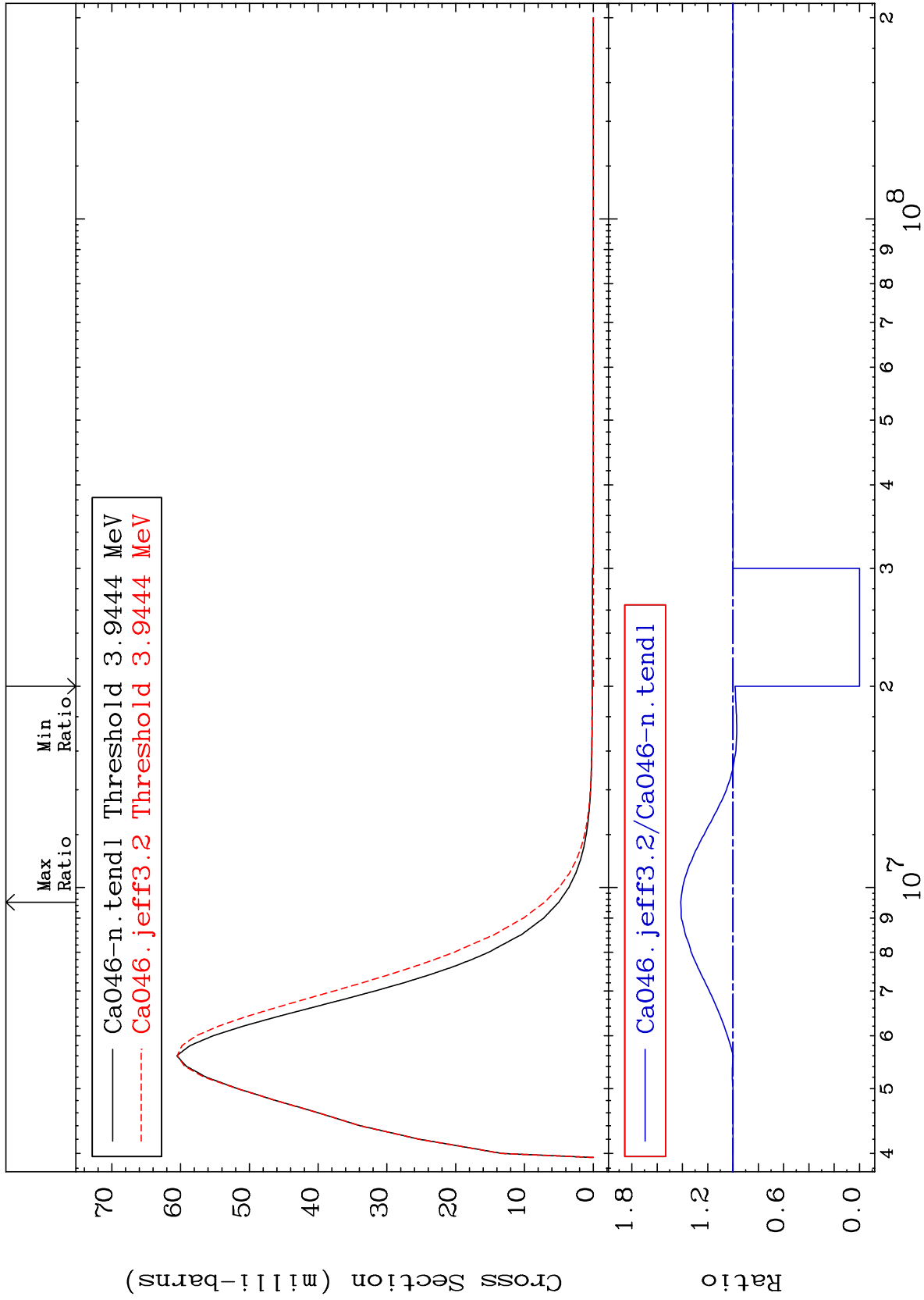
MAT 2043

3.860 MeV (n,n') Level

20-Ca-46

-100.0 To 41.30 %

Cross Section



16

Incident Energy (eV)

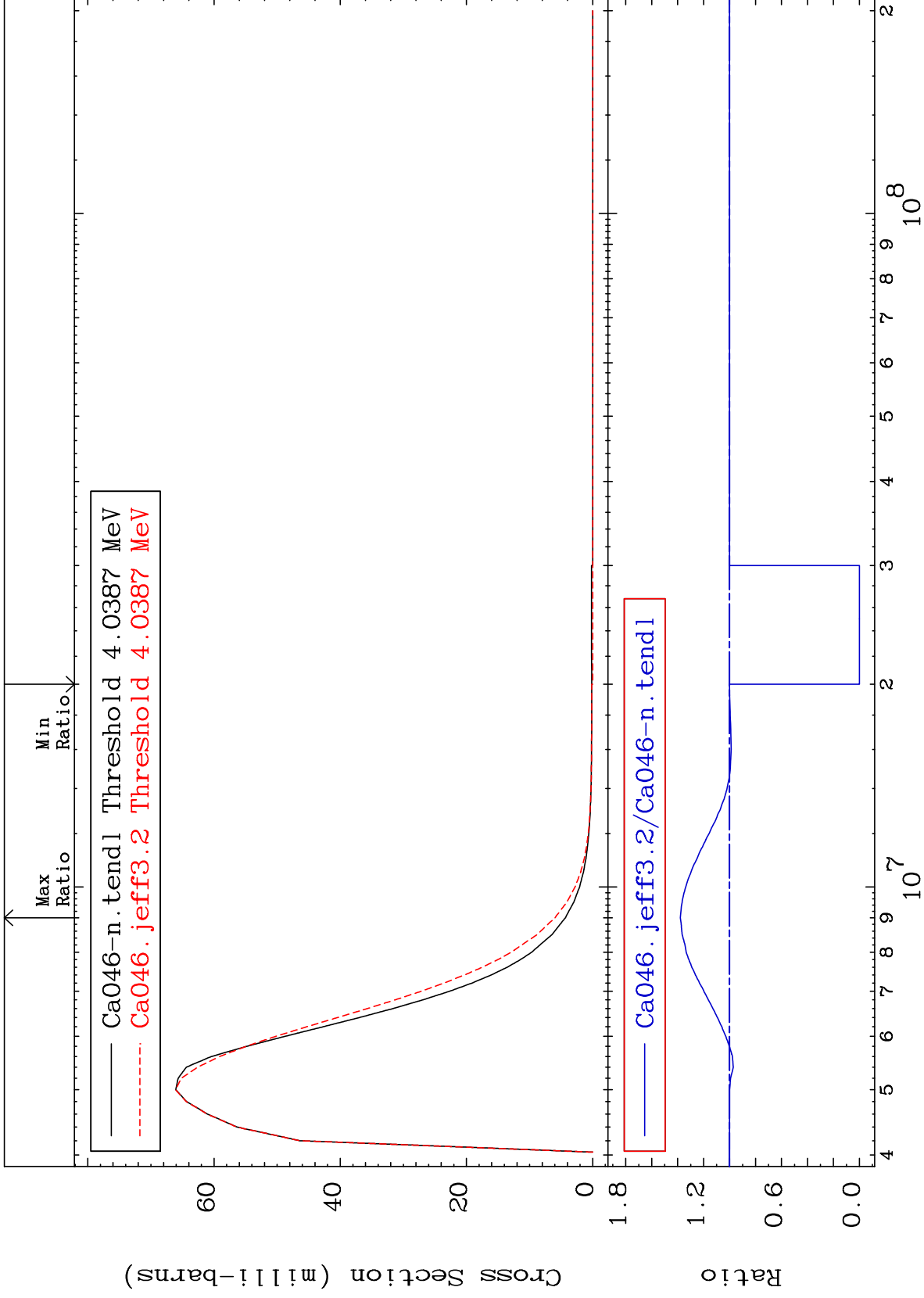
20-Ca-46



MAT 2043

3.952 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 37.94 %



17

Incident Energy (eV)

20-Ca-46

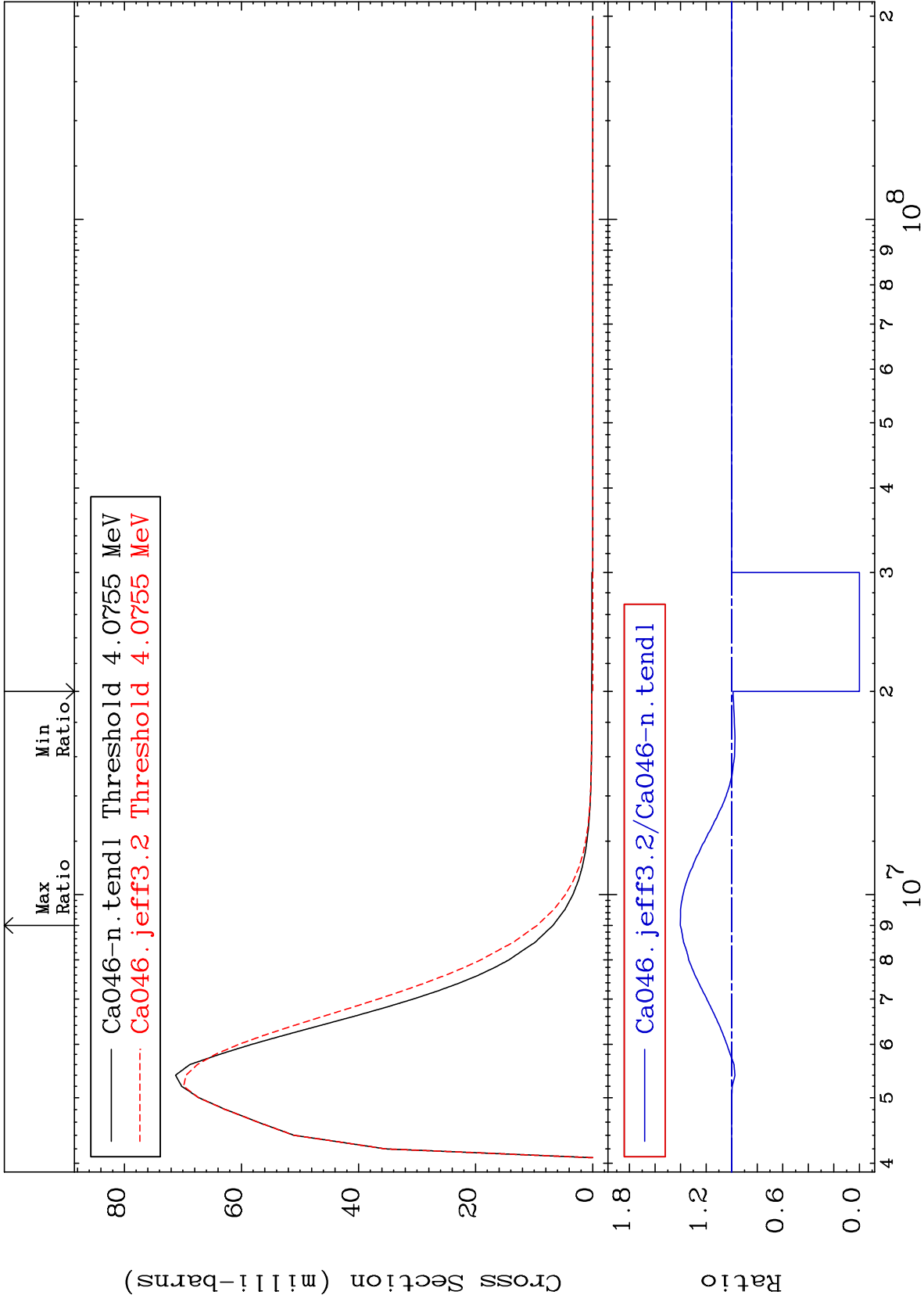
MAT 2043

3.988 MeV (n,n') Level

20-Ca-46

-100.0 To 40.15 %

Cross Section



18

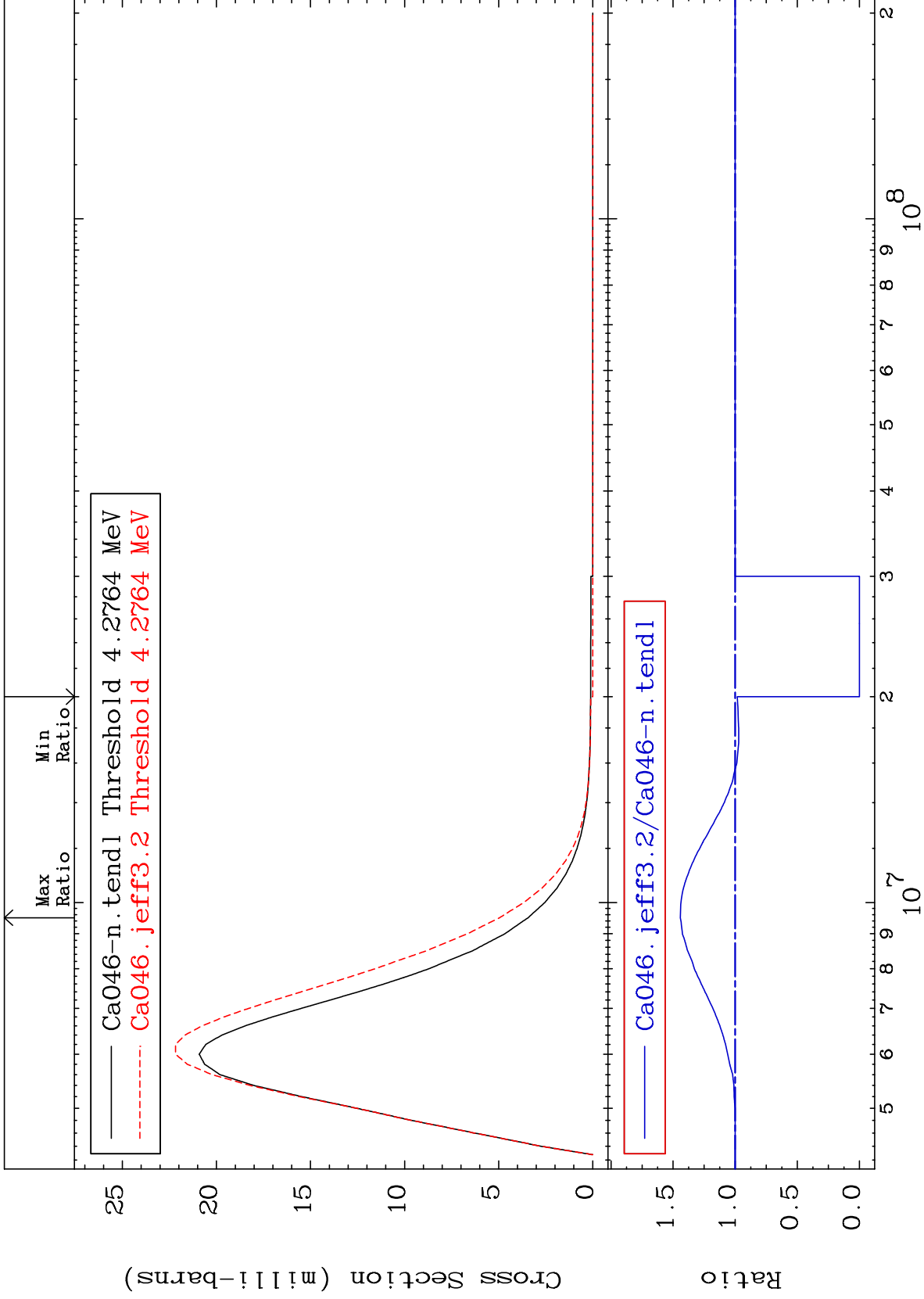
Incident Energy (eV)

20-Ca-46

MAT 2043

4.185 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 44.17 %



19

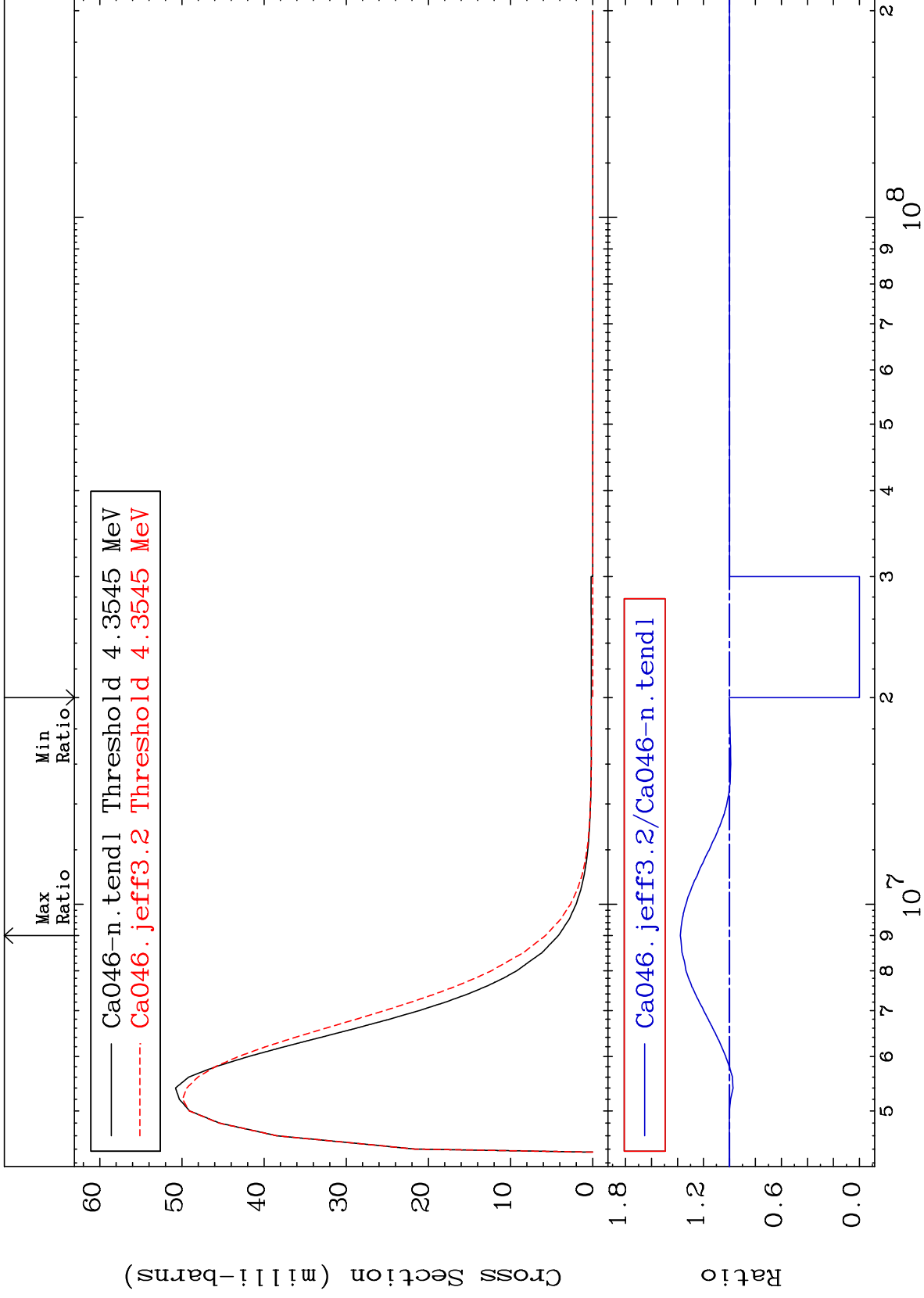
Incident Energy (eV)

20-Ca-46

MAT 2043

4.261 MeV (n,n') Level  
Cross Section

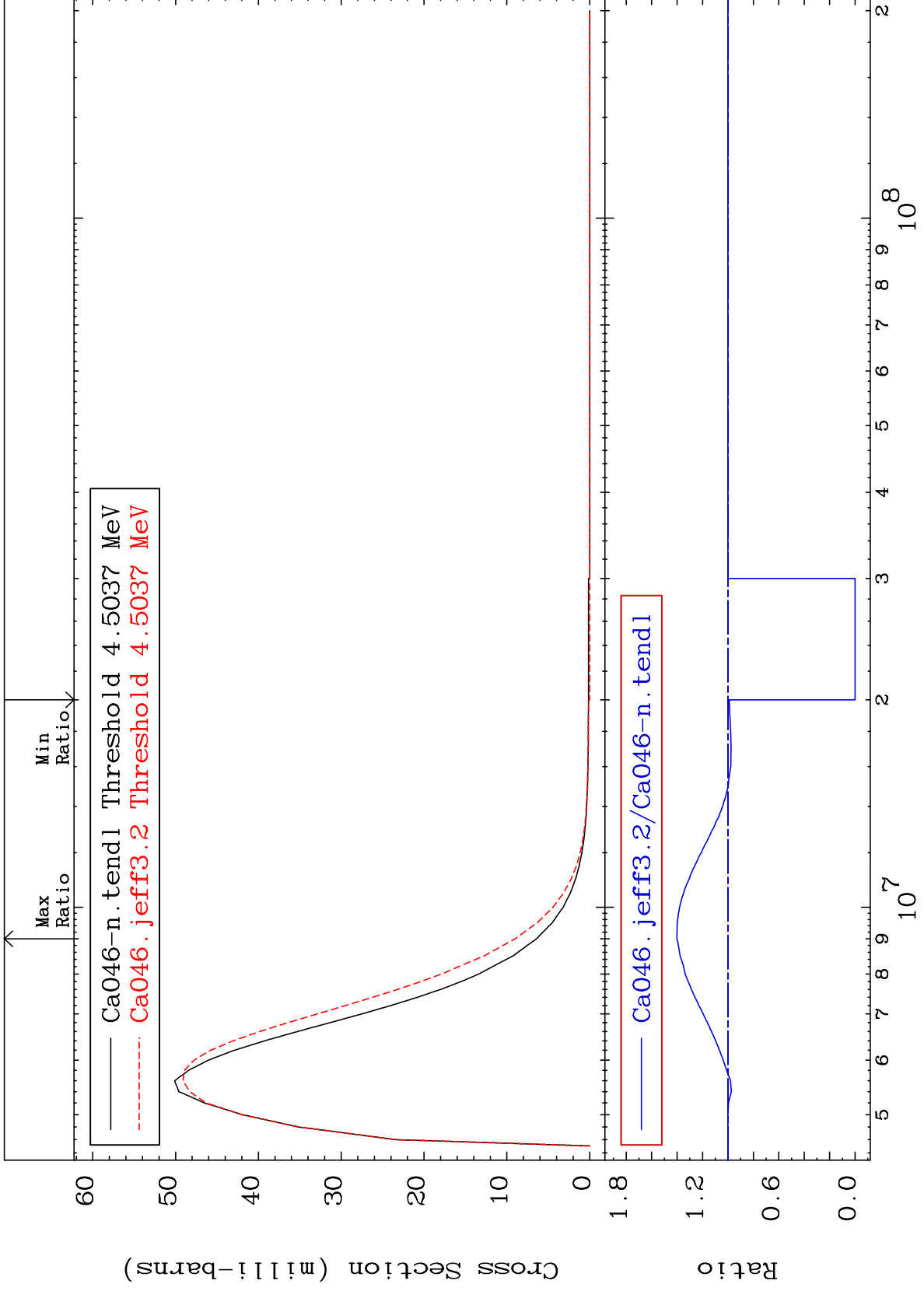
20-Ca-46  
-100.0 To 37.80 %



MAT 2043

4.407 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 40.12 %



21

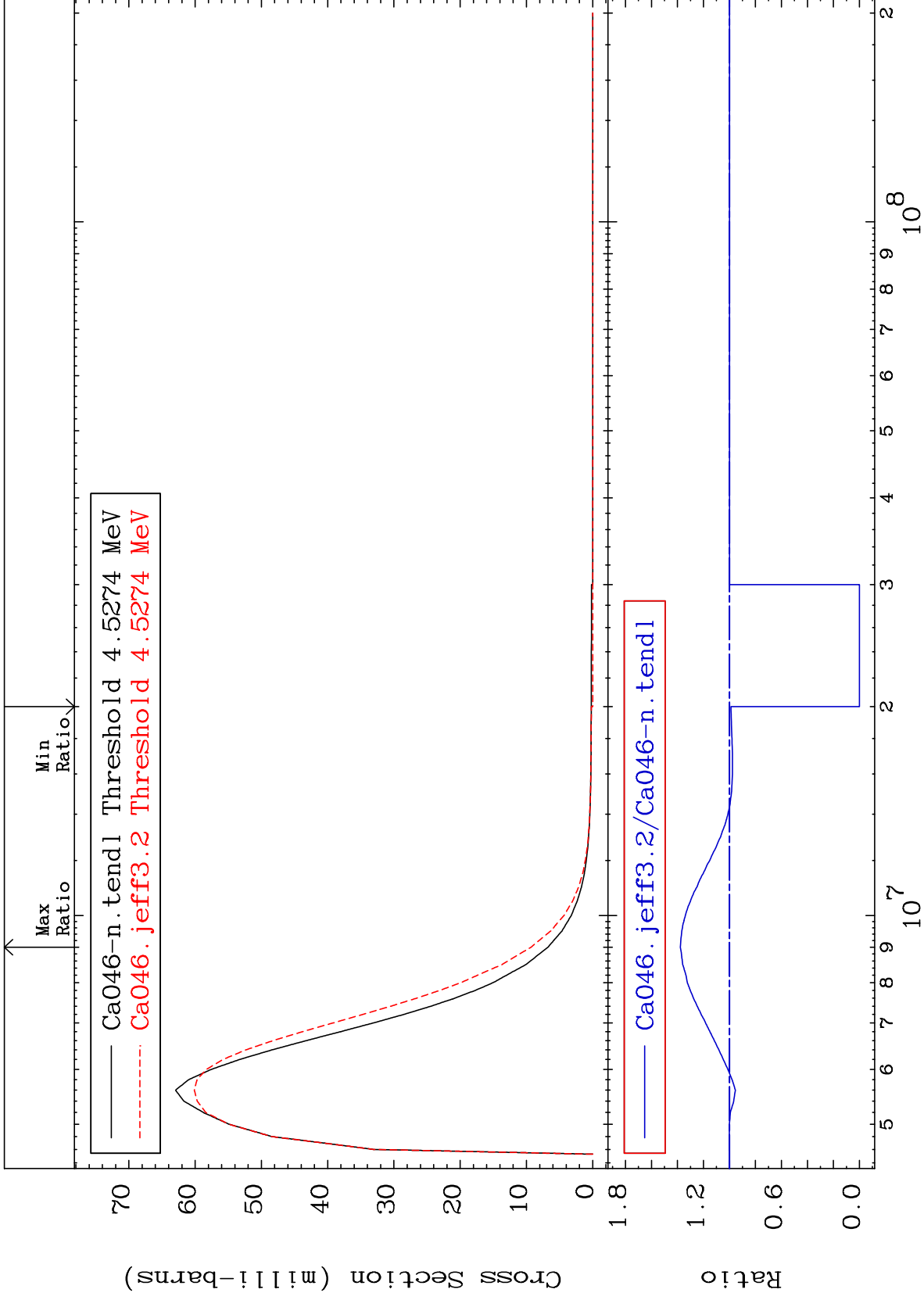
Incident Energy (eV)

20-Ca-46

MAT 2043

4.430 MeV (n,n') Level  
Cross Section

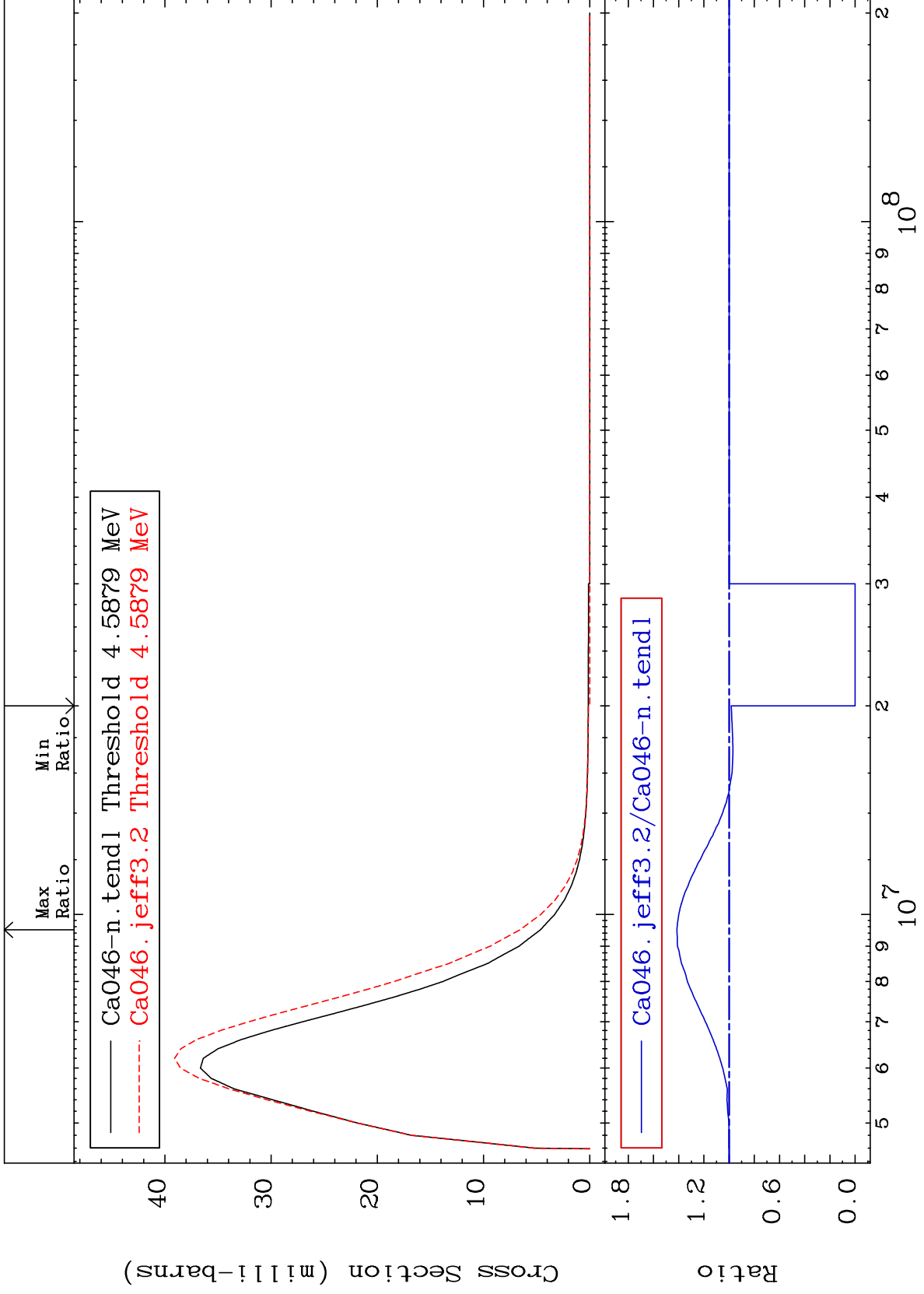
20-Ca-46  
-100.0 To 37.78 %



MAT 2043

4.489 MeV (n,n') Level  
Cross Section

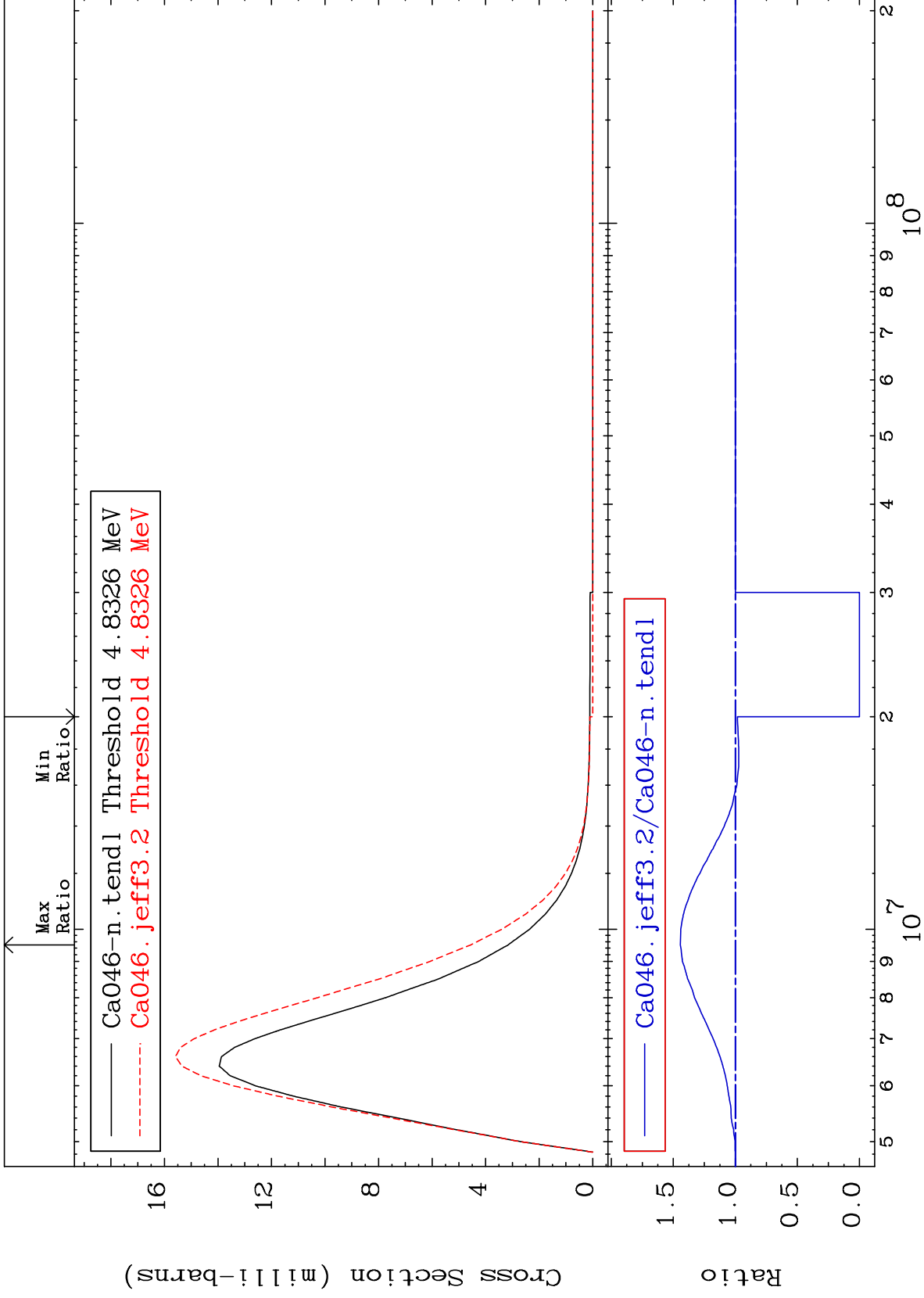
20-Ca-46  
-100.0 To 41.42 %



MAT 2043

4.729 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 44.32 %

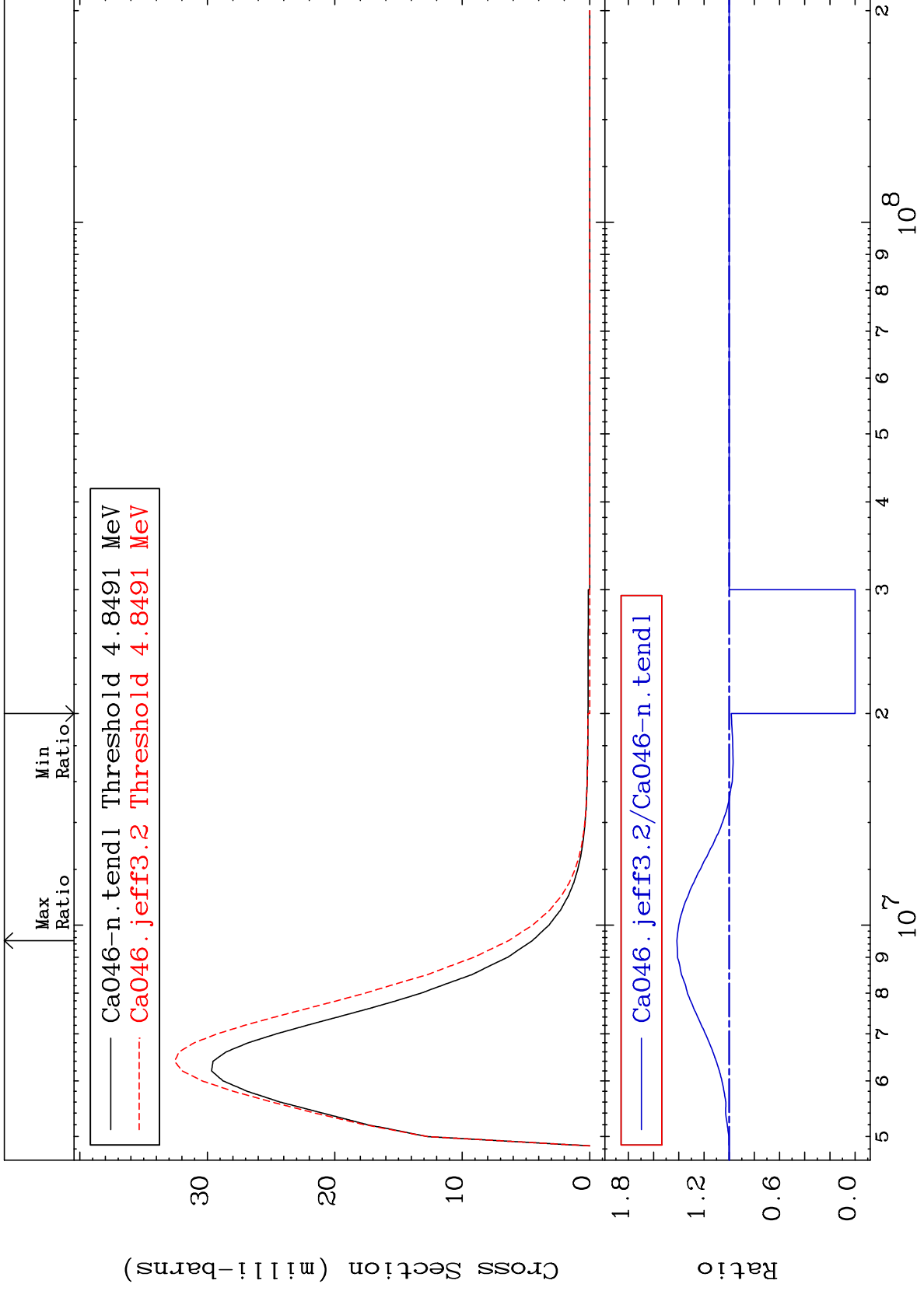




MAT 2043

4.745 MeV (n,n') Level  
Cross Section

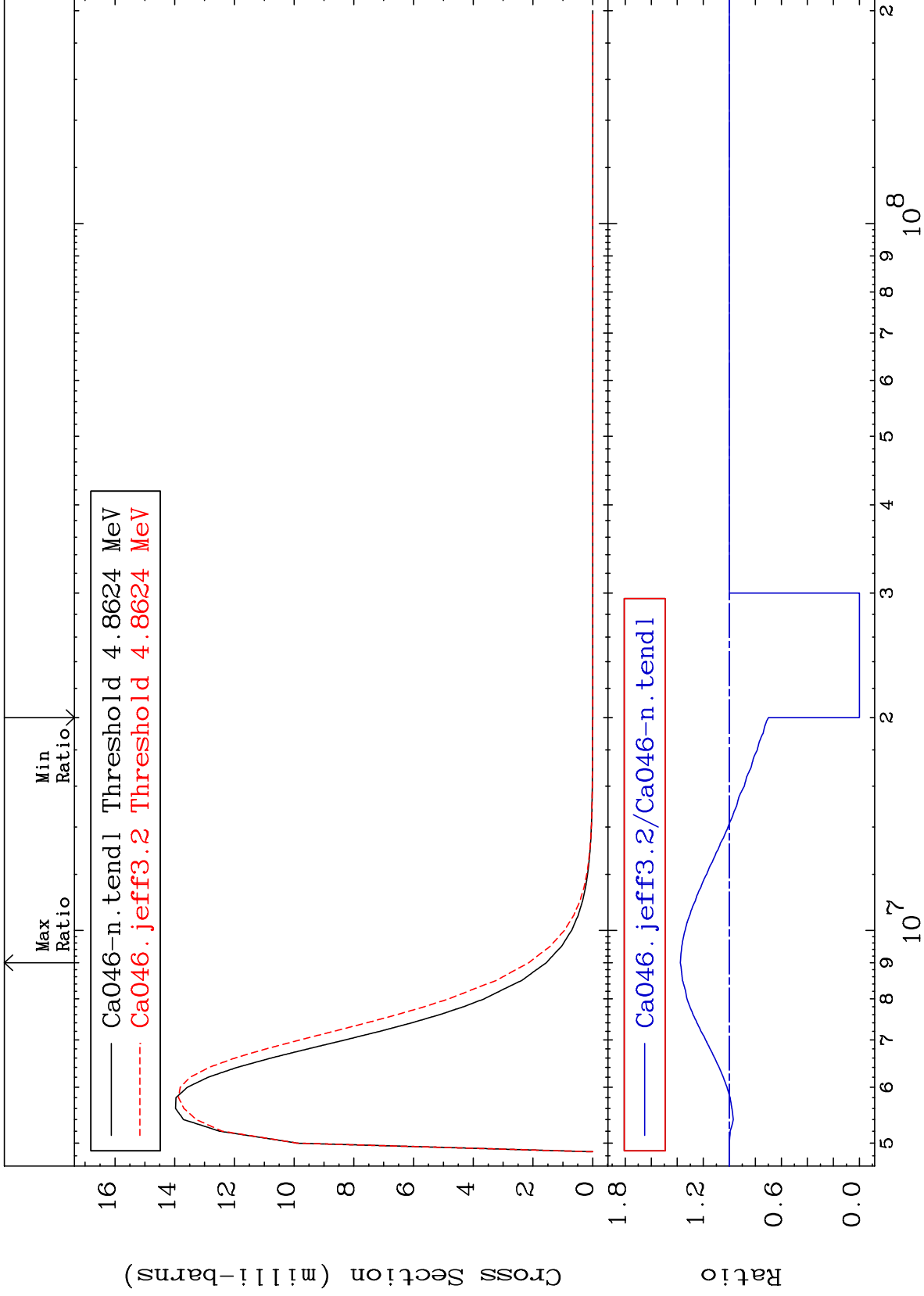
20-Ca-46  
-100.0 To 41.47 %



MAT 2043

4.758 MeV (n,n') Level  
Cross Section

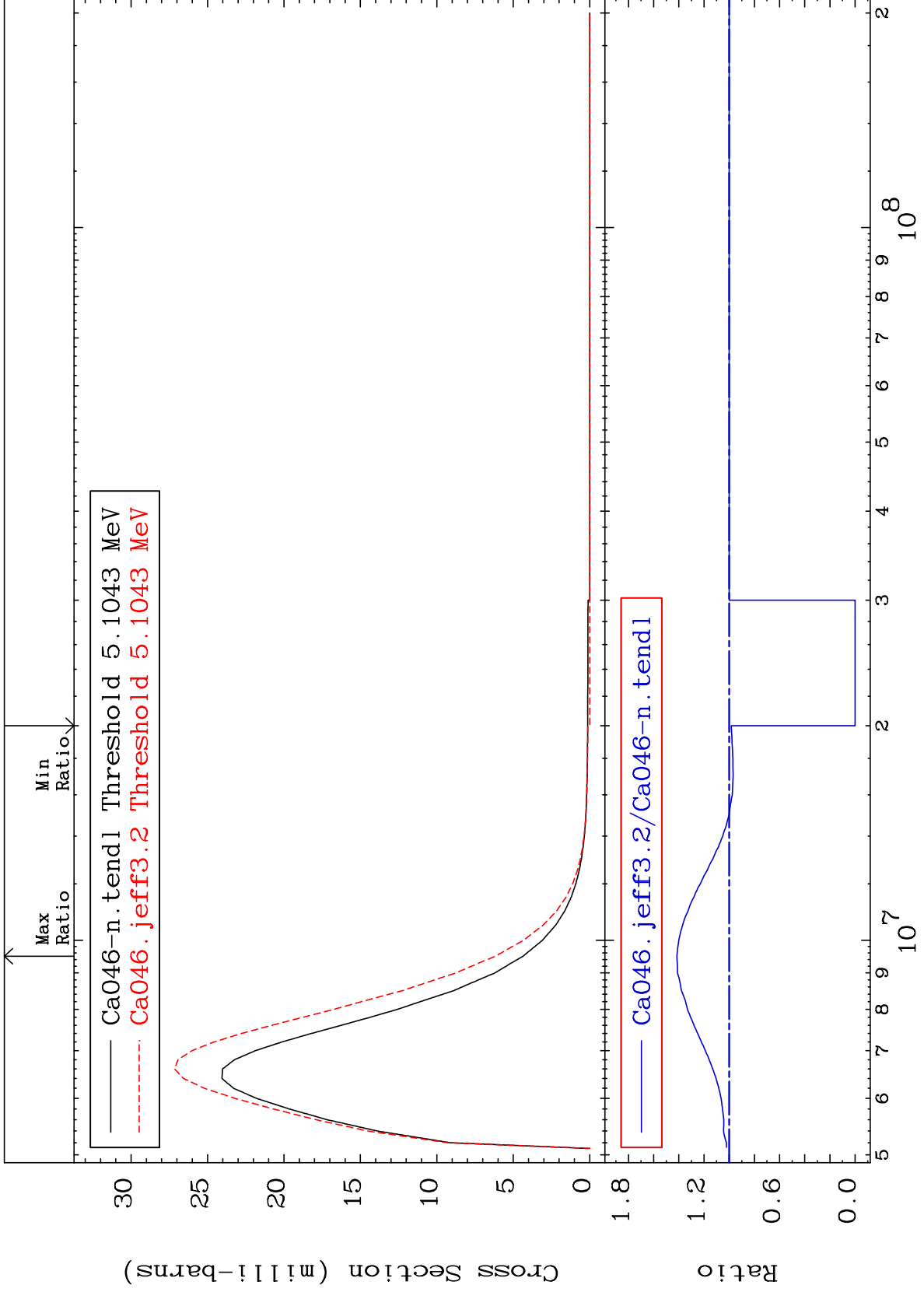
20-Ca-46  
-100.0 To 37.61 %



MAT 2043

4.995 MeV (n,n') Level  
Cross Section

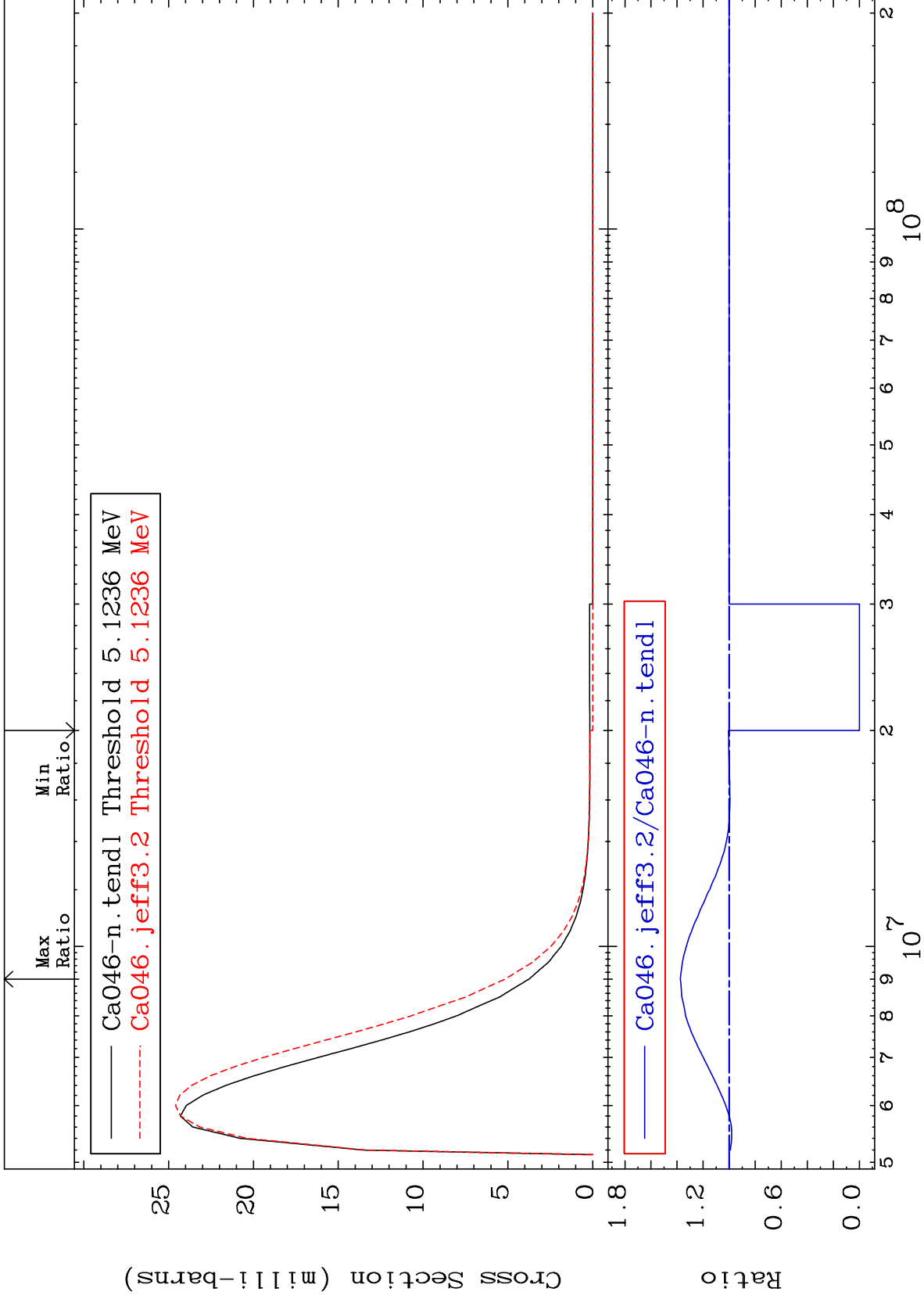
20-Ca-46  
-100.0 To 41.52 %

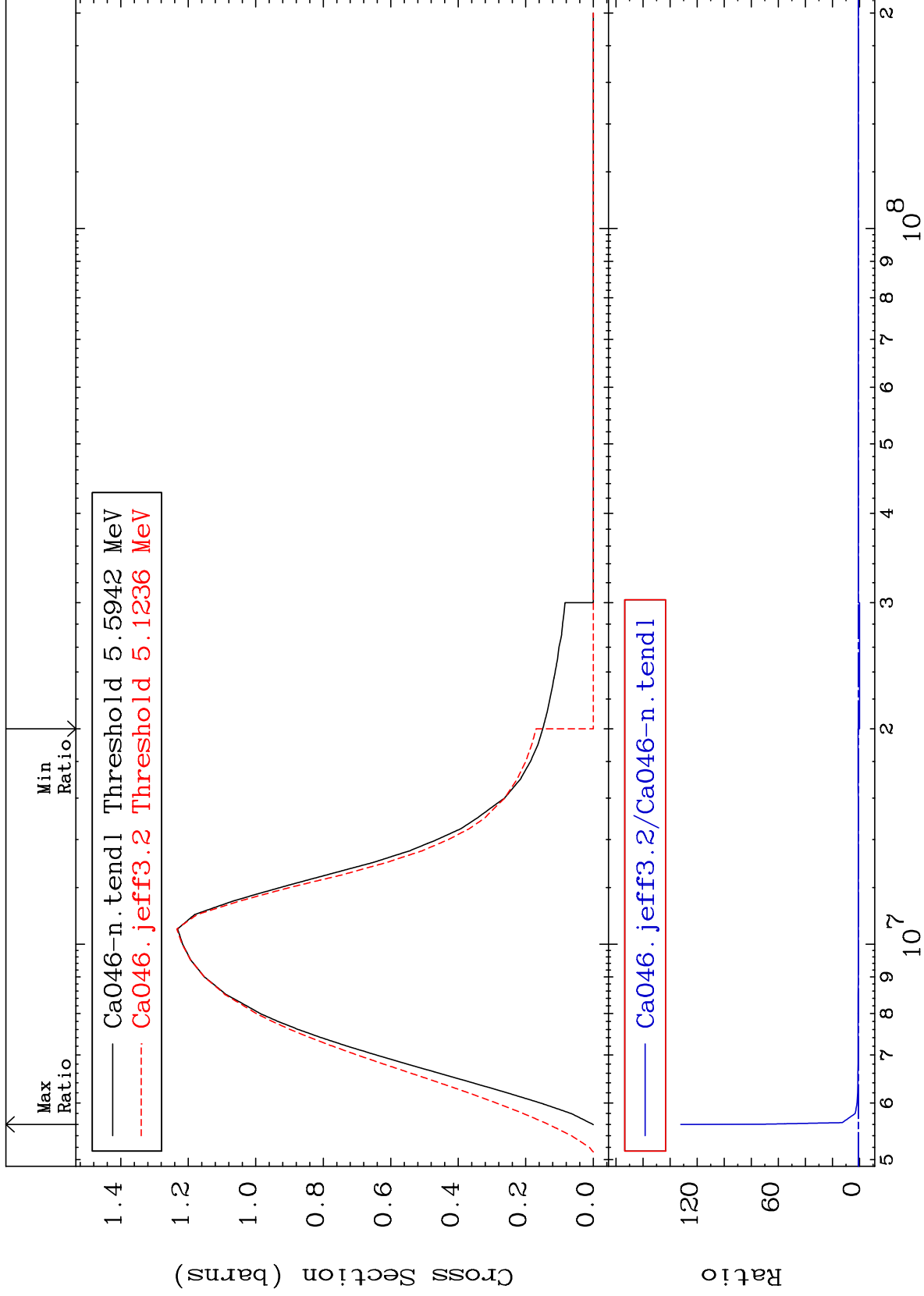


MAT 2043

5.014 MeV (n,n') Level  
Cross Section

20-Ca-46  
-100.0 To 37.47 %



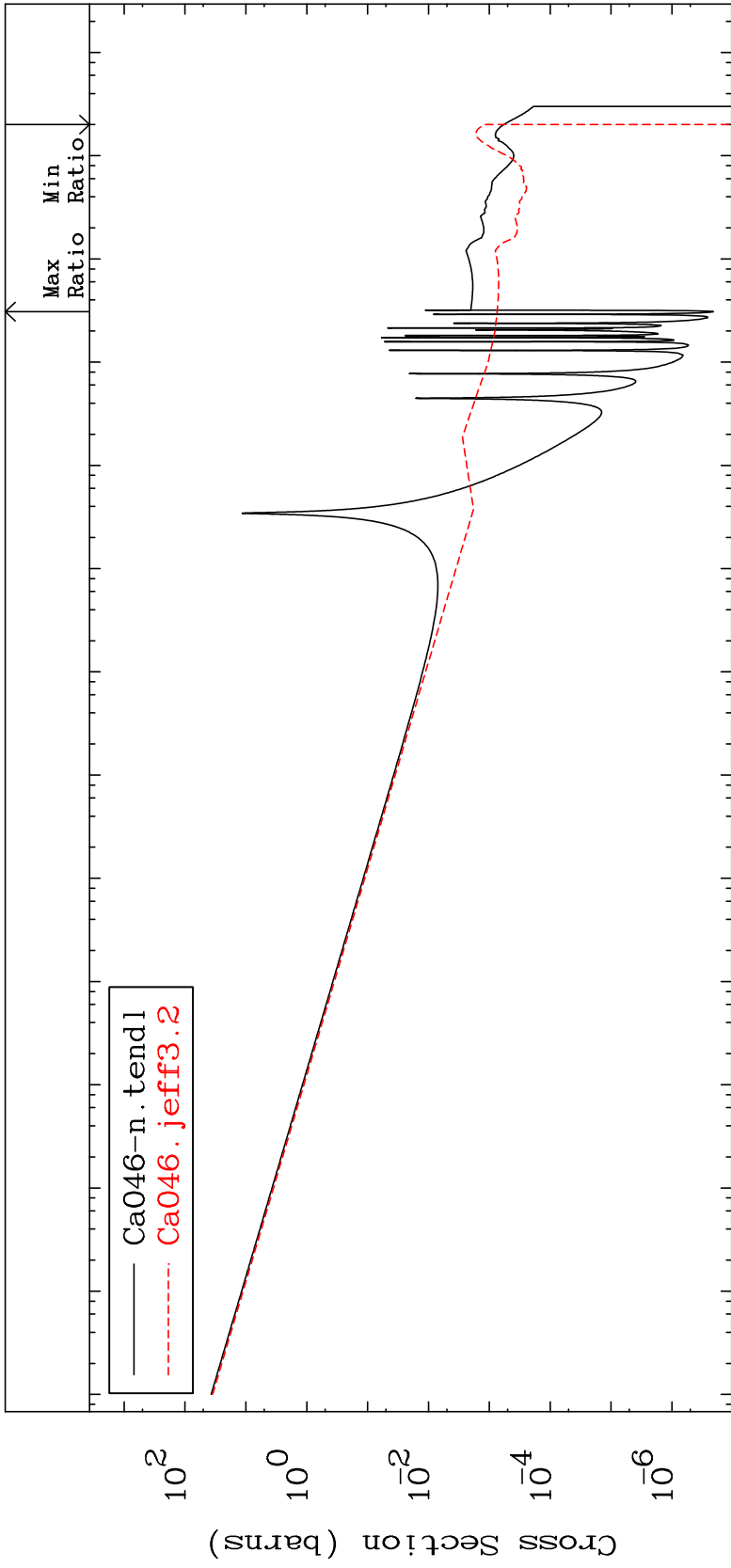


MAT 2043

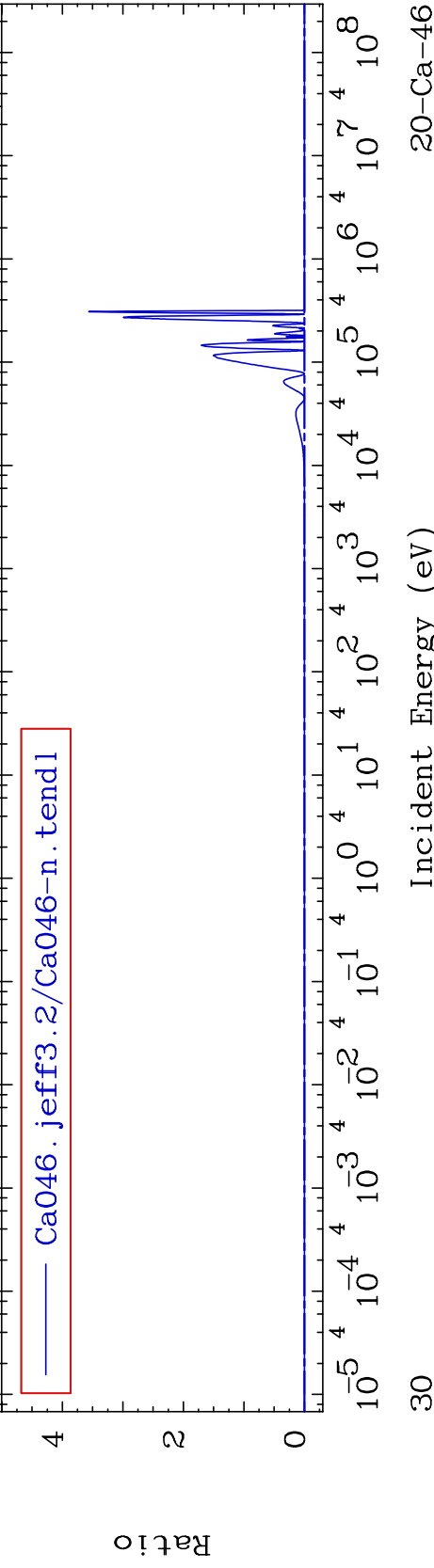
(n,  $\gamma$ )  
Cross Section

20-Ca-46  
-100.0 To 9999. %

— Ca046-n.tendl  
- - - Ca046.jeff3.2



— Ca046.jeff3.2/Ca046-n.tendl



30

Incident Energy (eV)

20-Ca-46

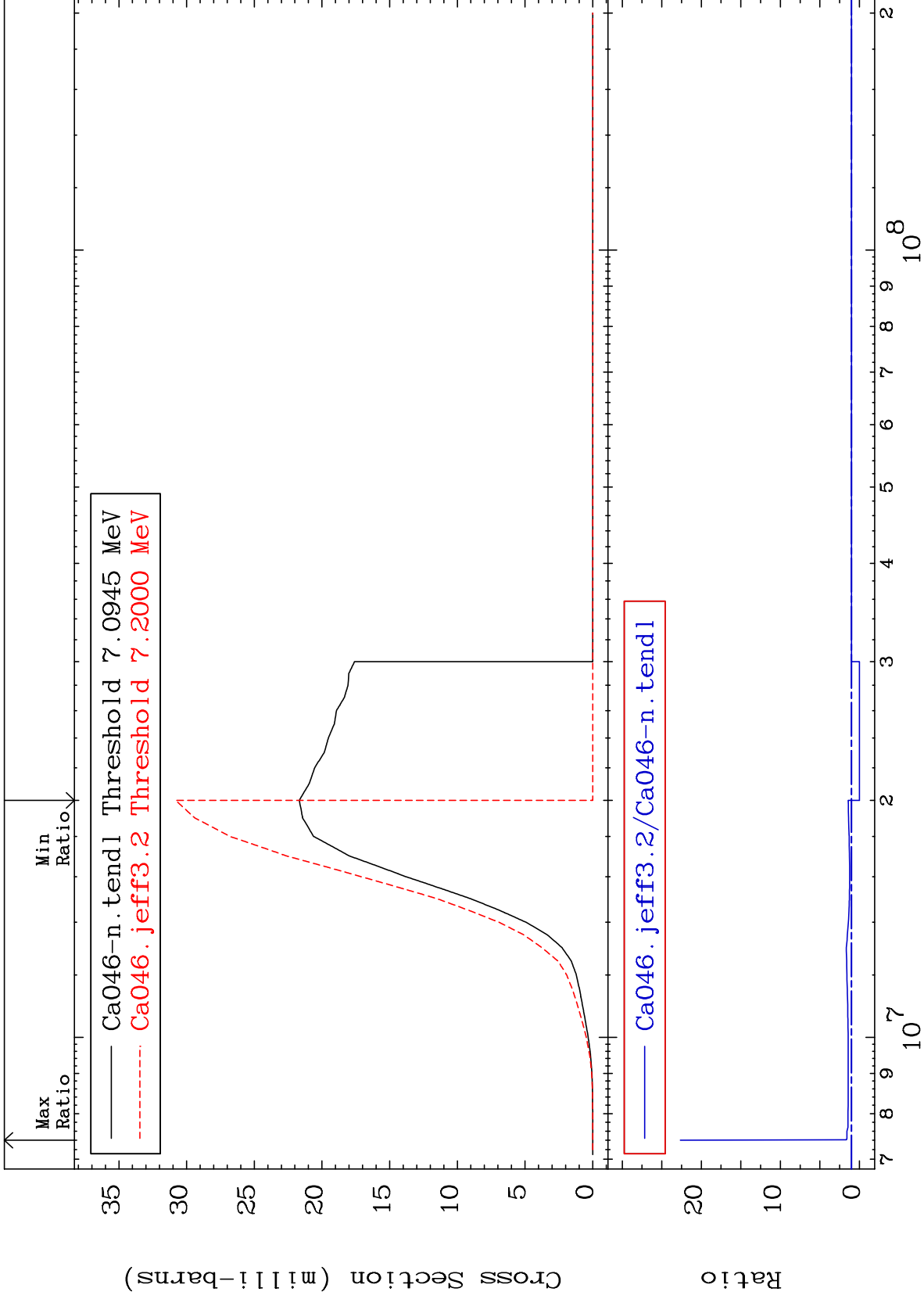
MAT 2043

(n,p)

20-Ca-46

Cross Section

-100.0 To 2165. %



31

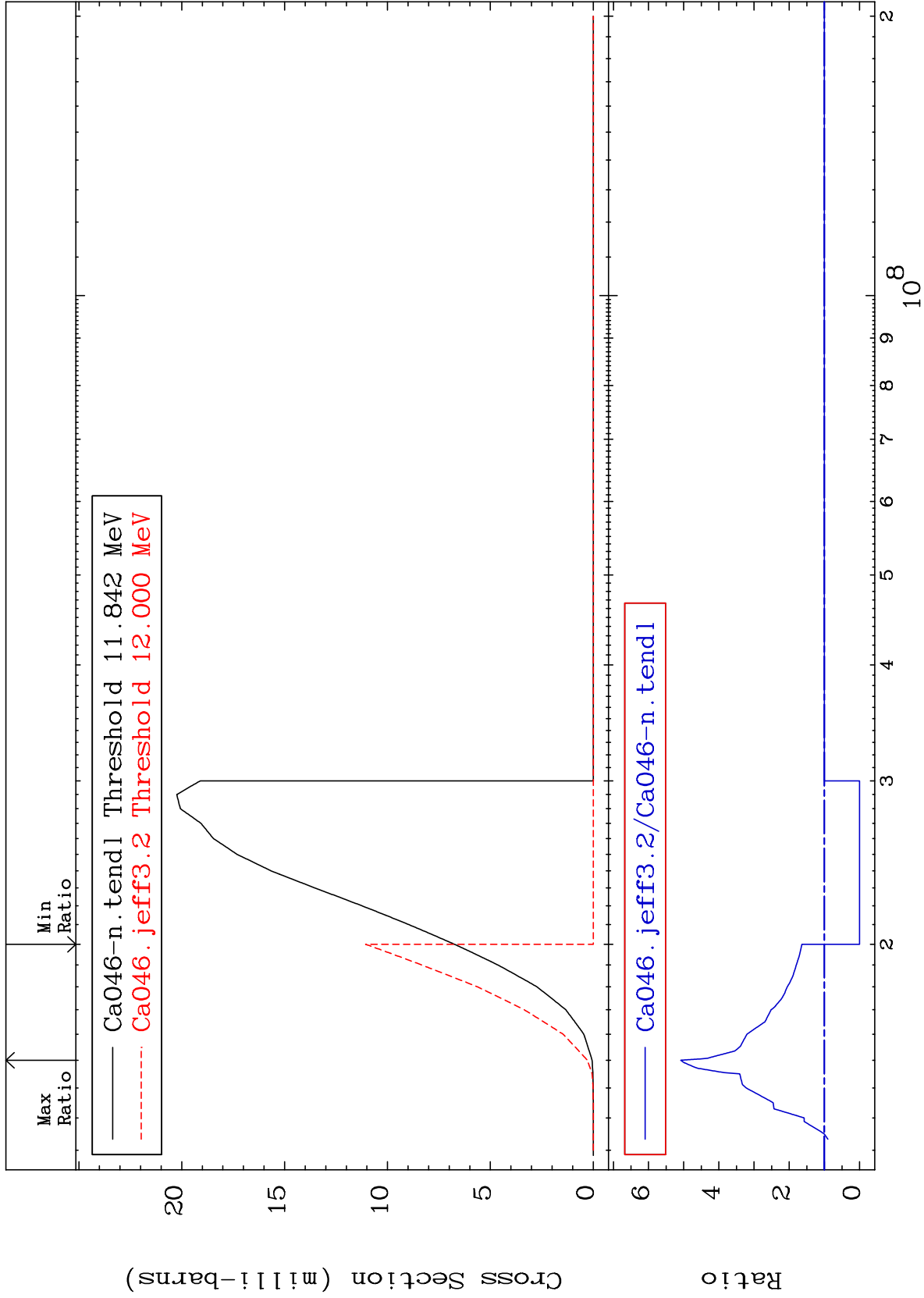
MAT 2043

(n, d)

20-Ca-46

Cross Section

-100.0 To 408.4 %

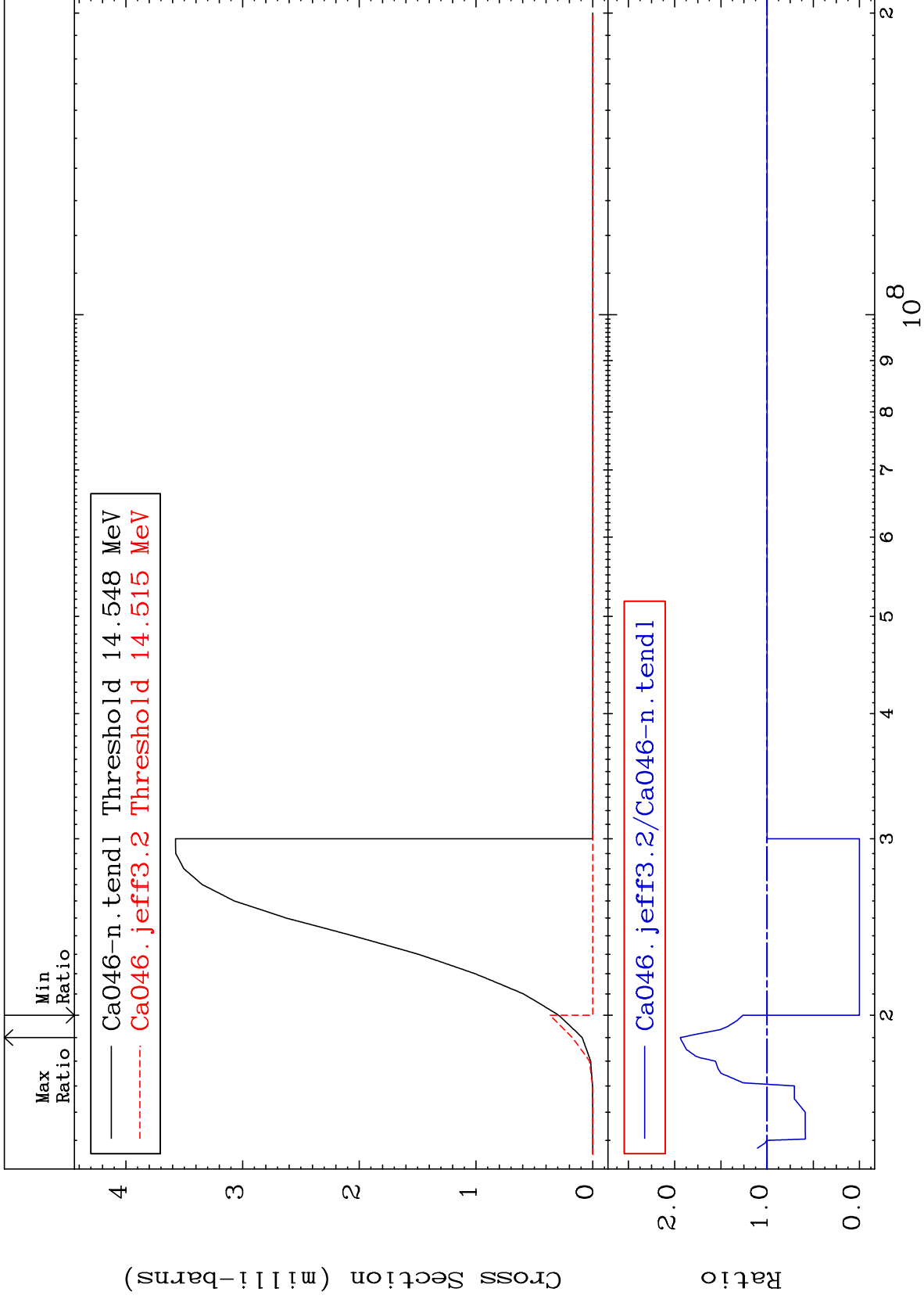




MAT 2043

(n, t)  
Cross Section

20-Ca-46  
-100.0 To 93.86 %

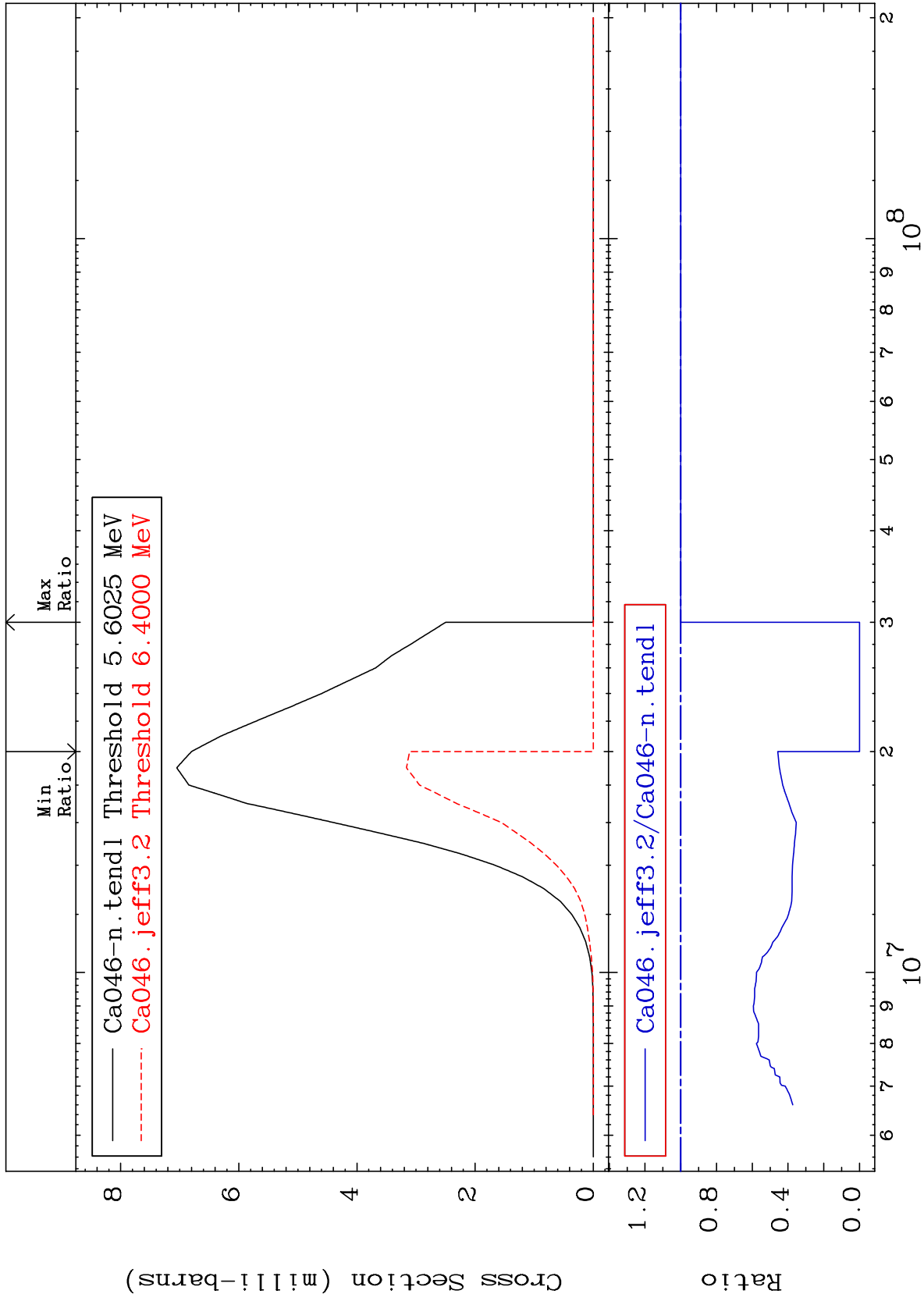


MAT 2043

20-Ca-46

-100.0 To 0.000 %

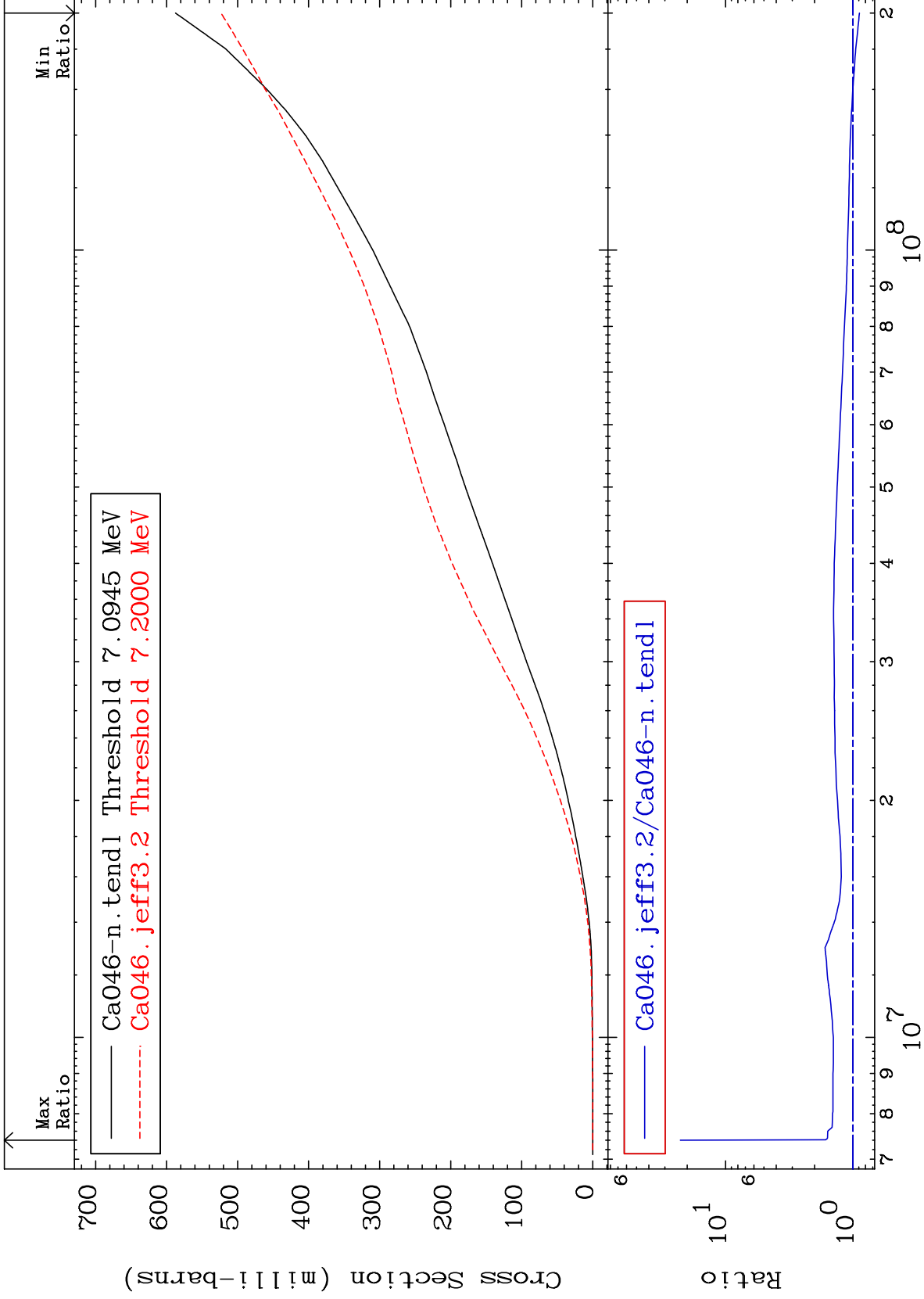
(n,  $\alpha$ )  
Cross Section



MAT 2043

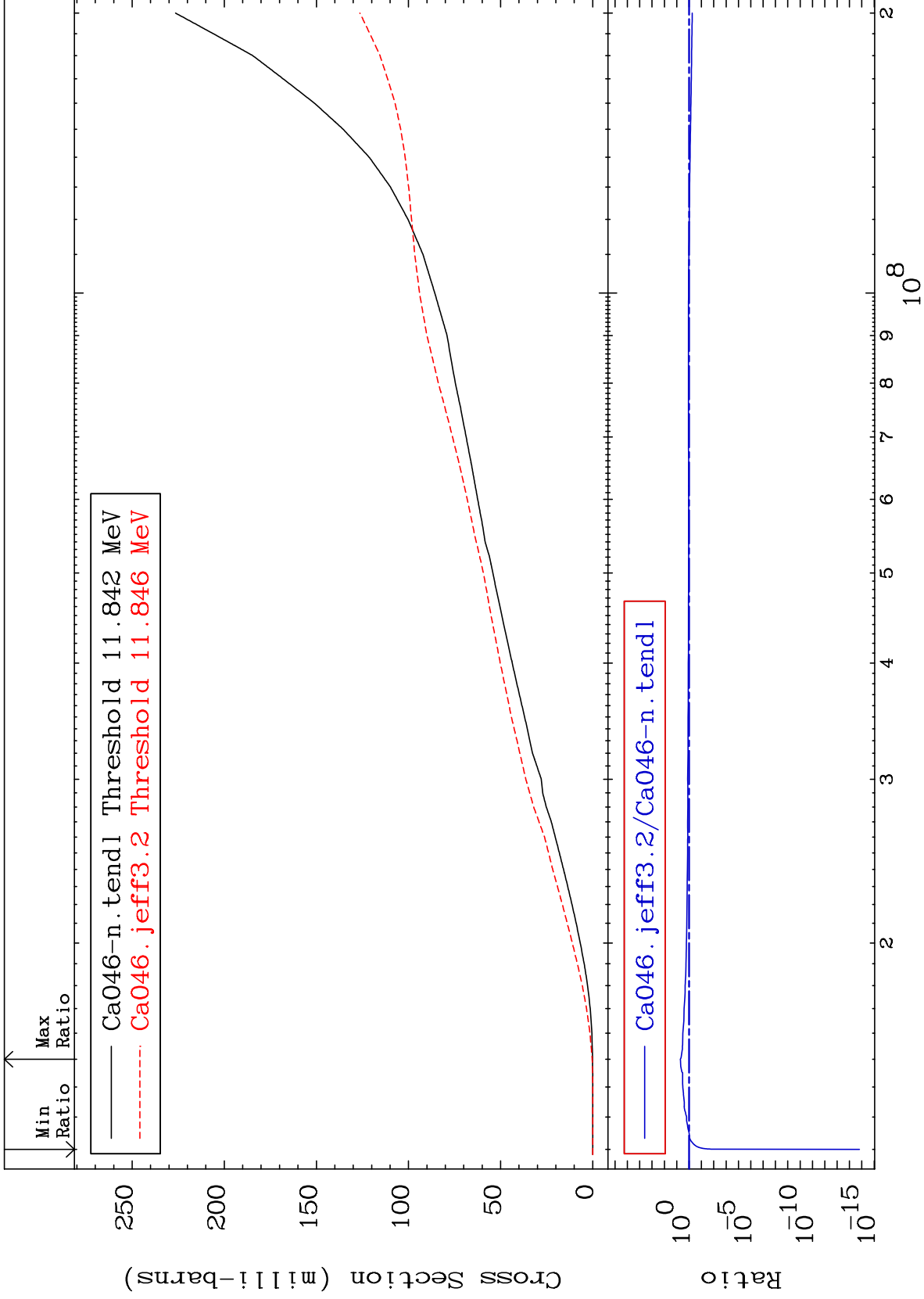
Hydrogen Production  
Cross Section

20-Ca-46  
-10.90 To 2165. %



35

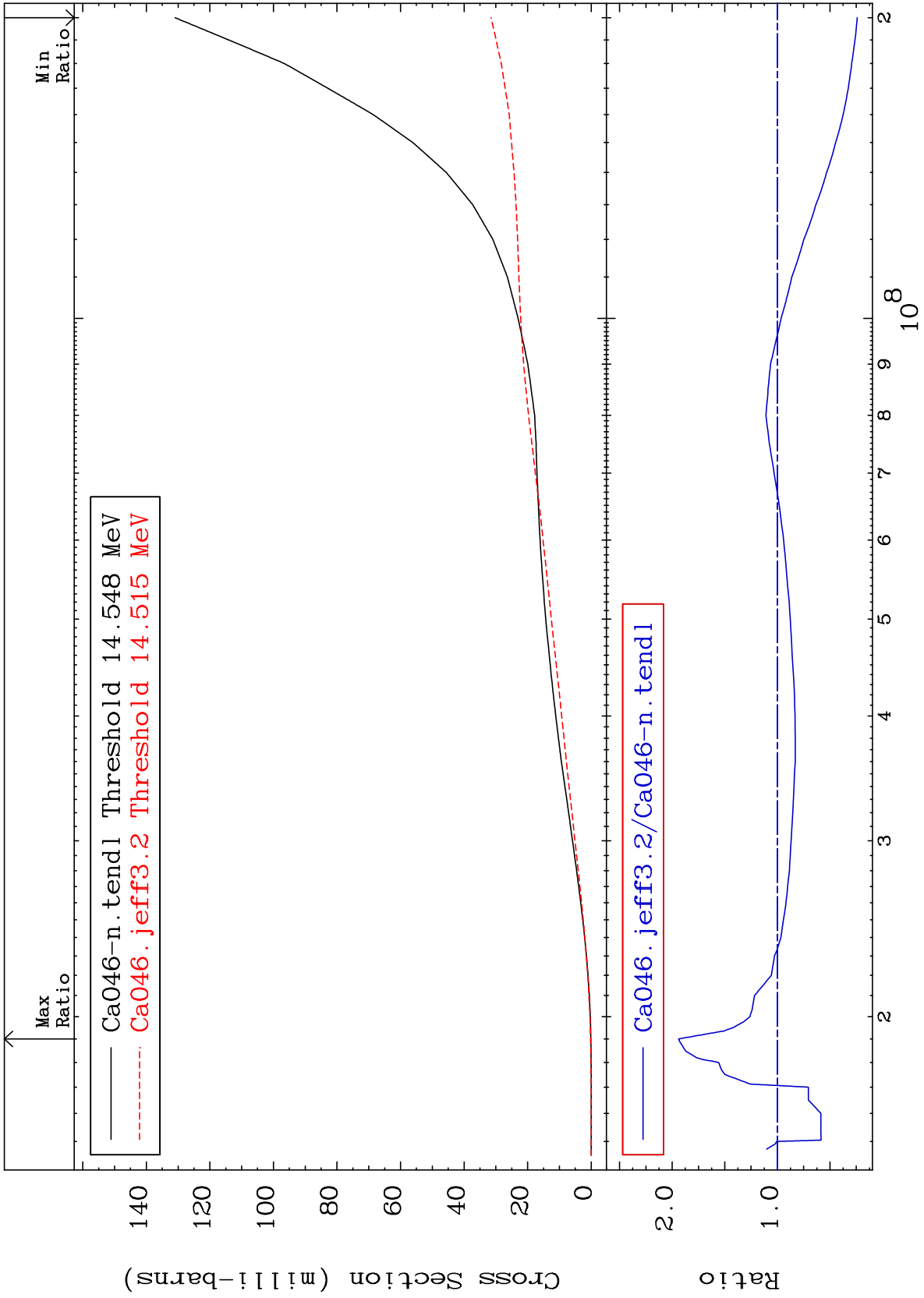
20-Ca-46

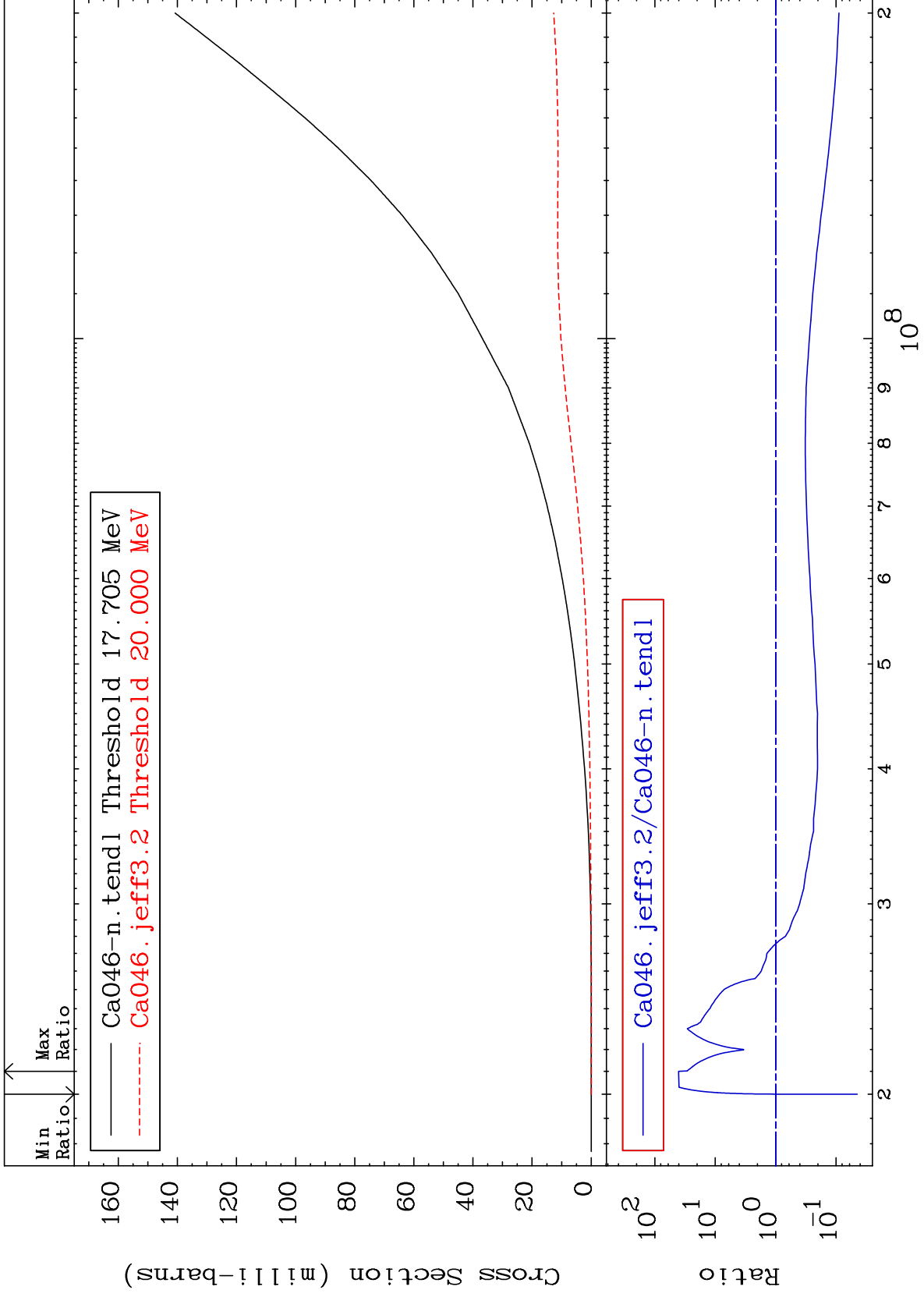


MAT 2043

Tritium Production  
Cross Section

20-Ca-46  
-75.93 To 93.86 %

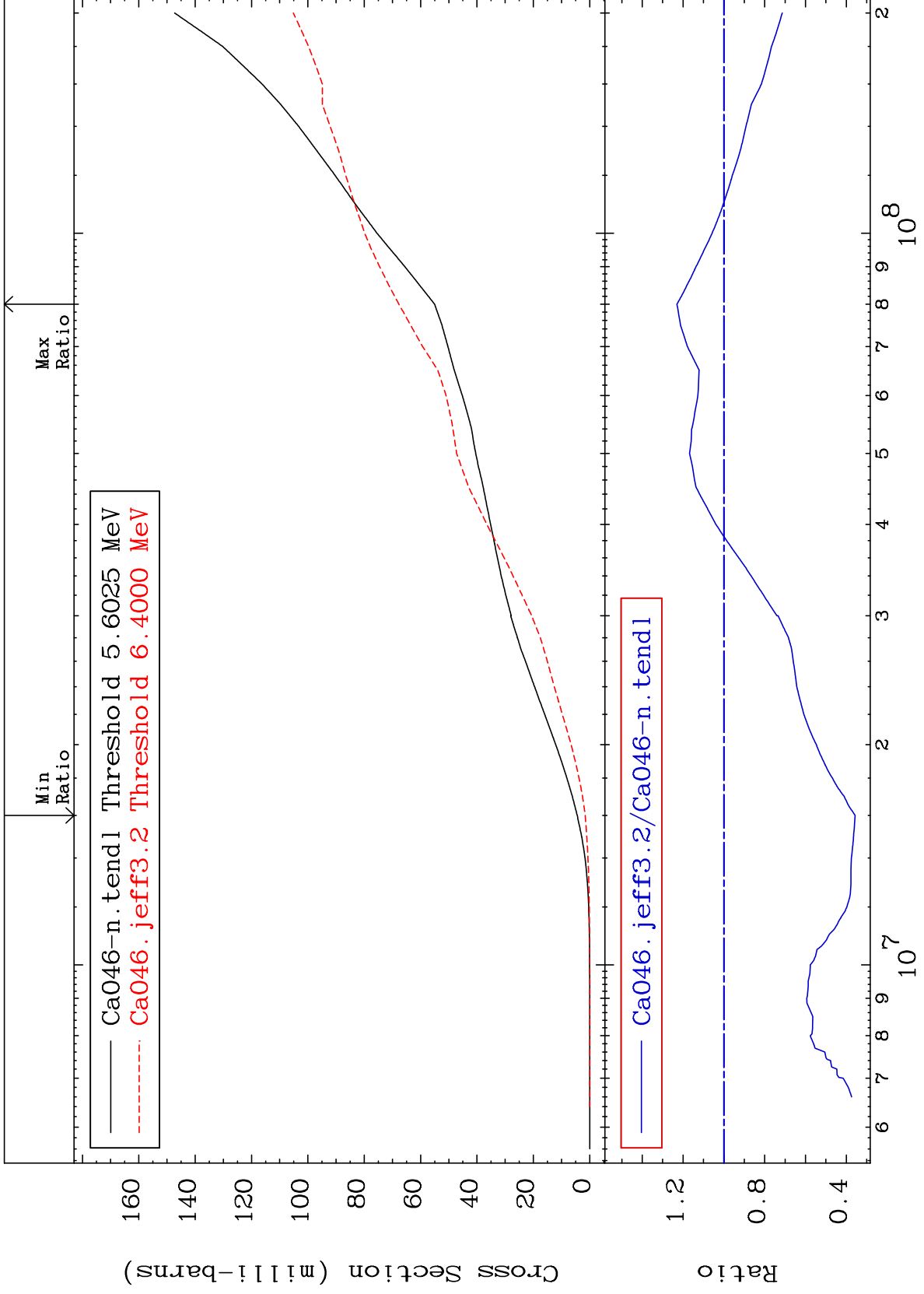




MAT 2043

He-4 Production  
Cross Section

20-Ca-46  
-64.32 To 23.01 %



39

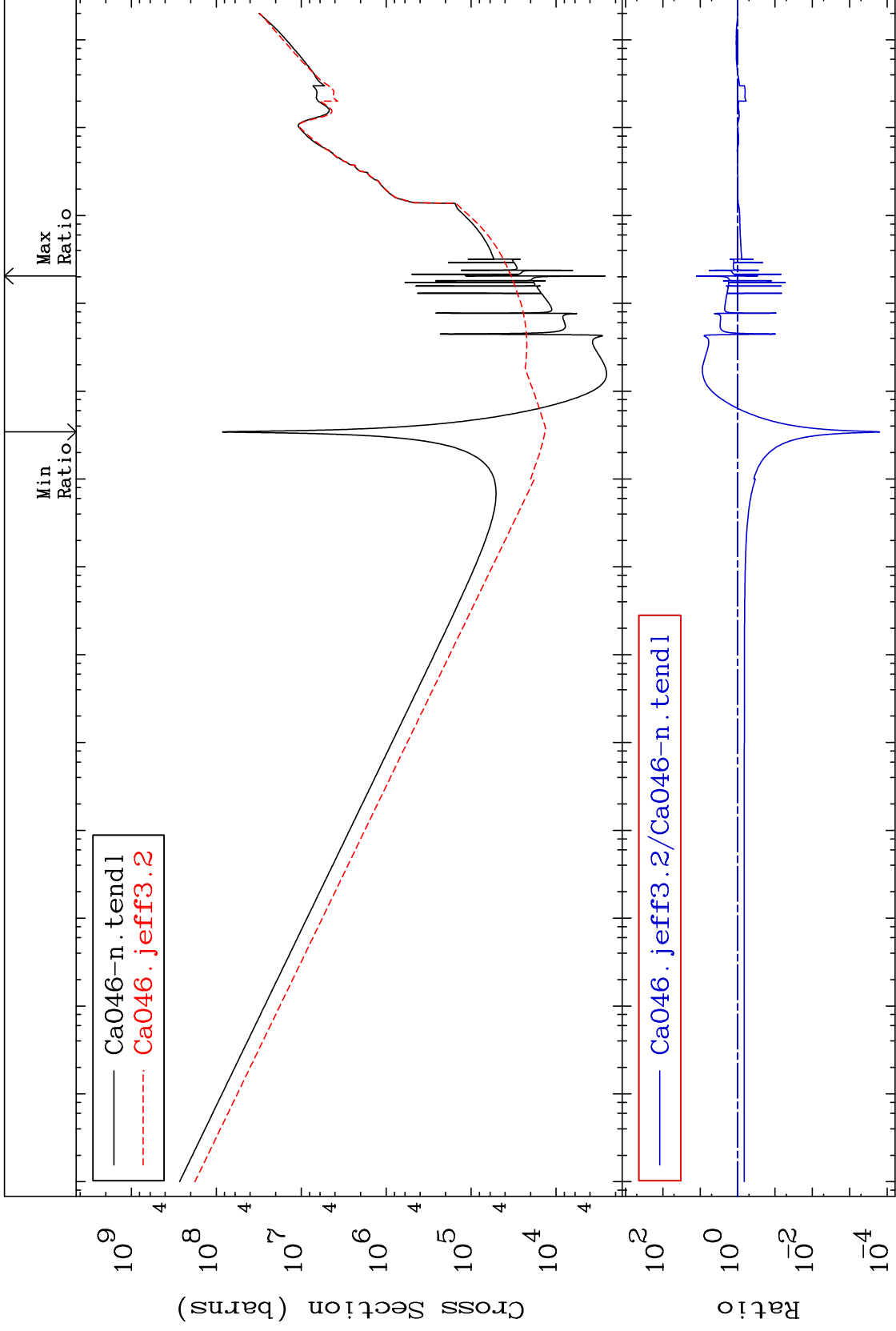
Incident Energy (eV)

20-Ca-46

MAT 2043

Kerma total (eV-barns)  
Cross Section

20-Ca-46  
-99.98 To 1177. %



40

Incident Energy (eV)

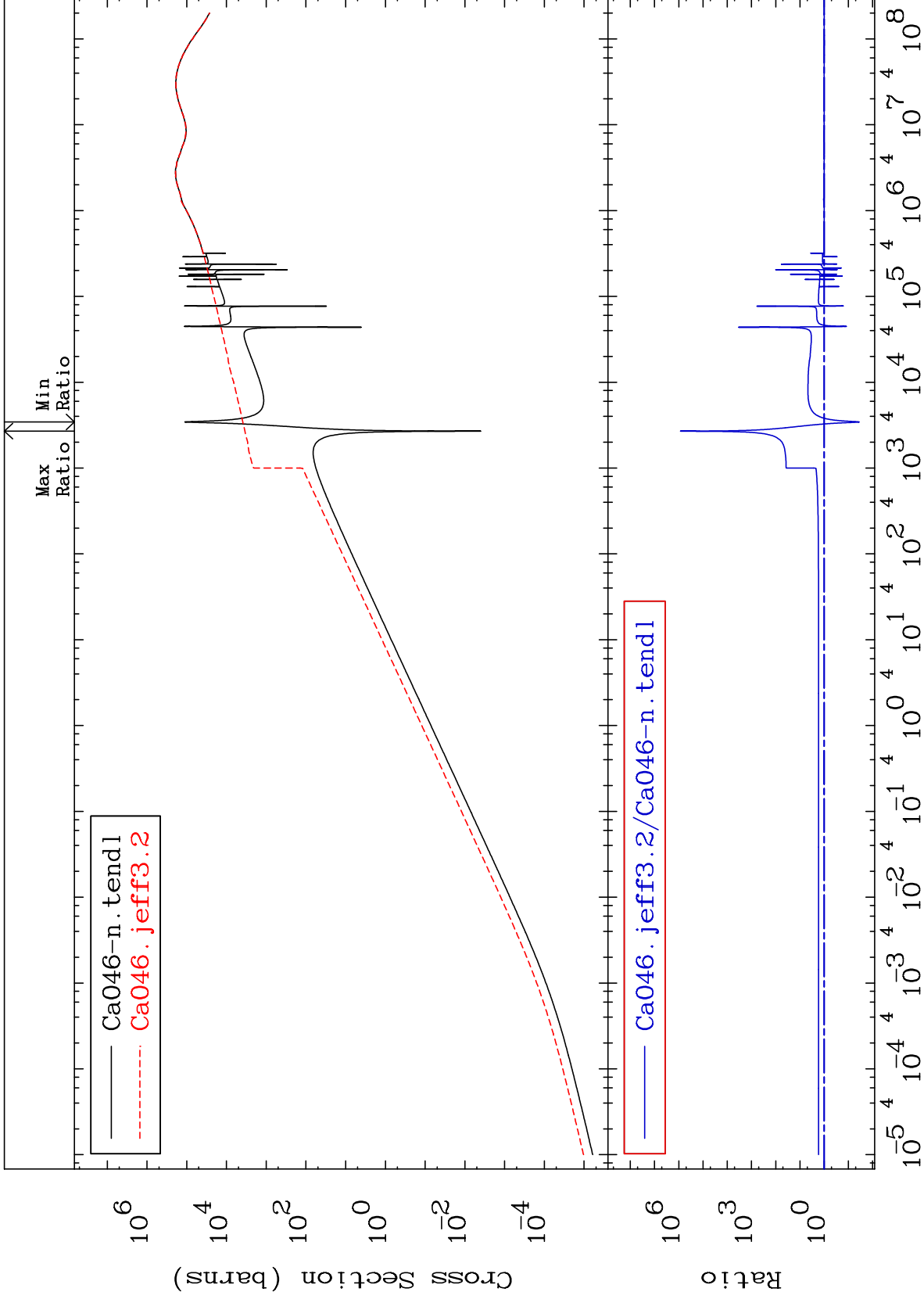
20-Ca-46

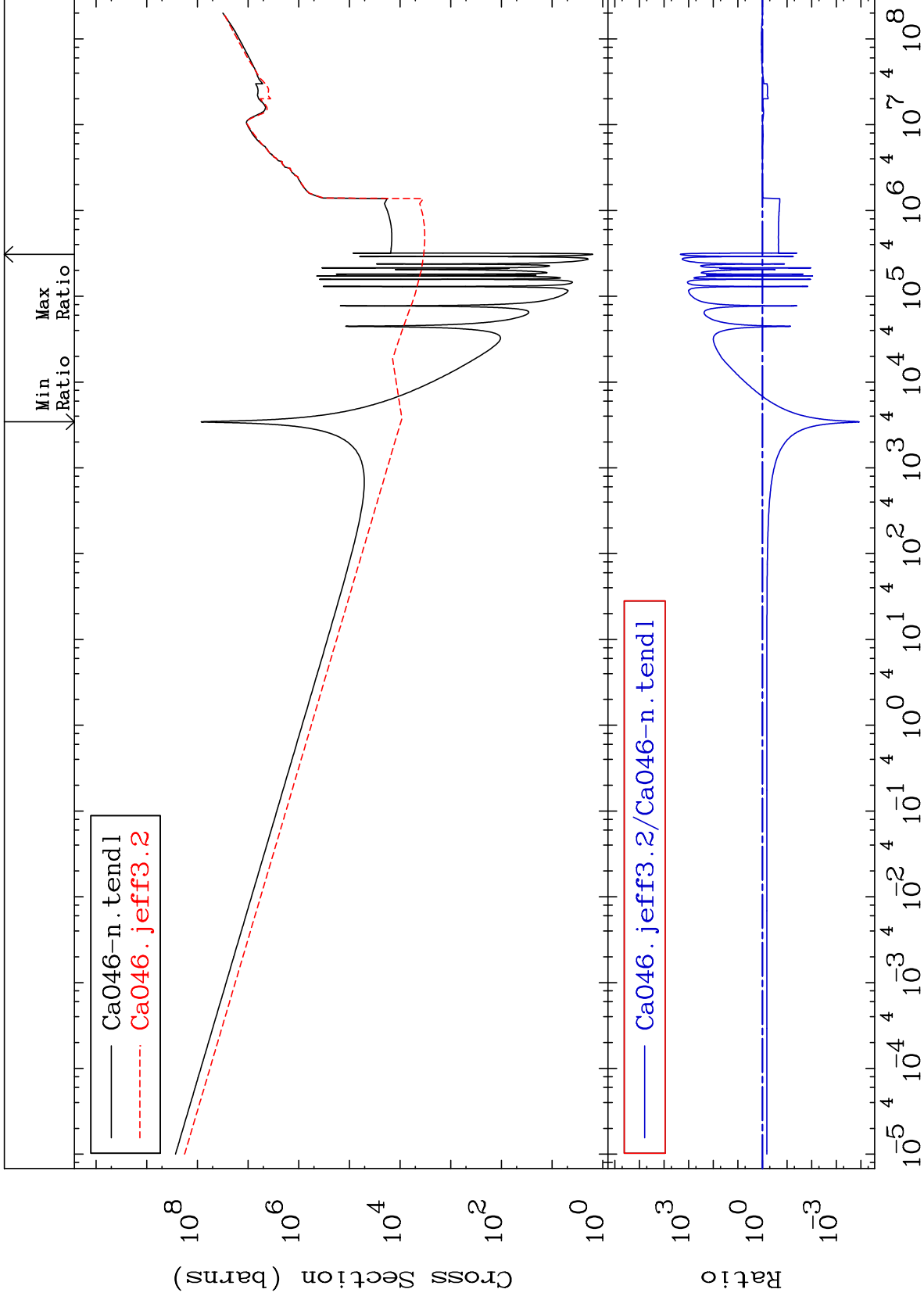


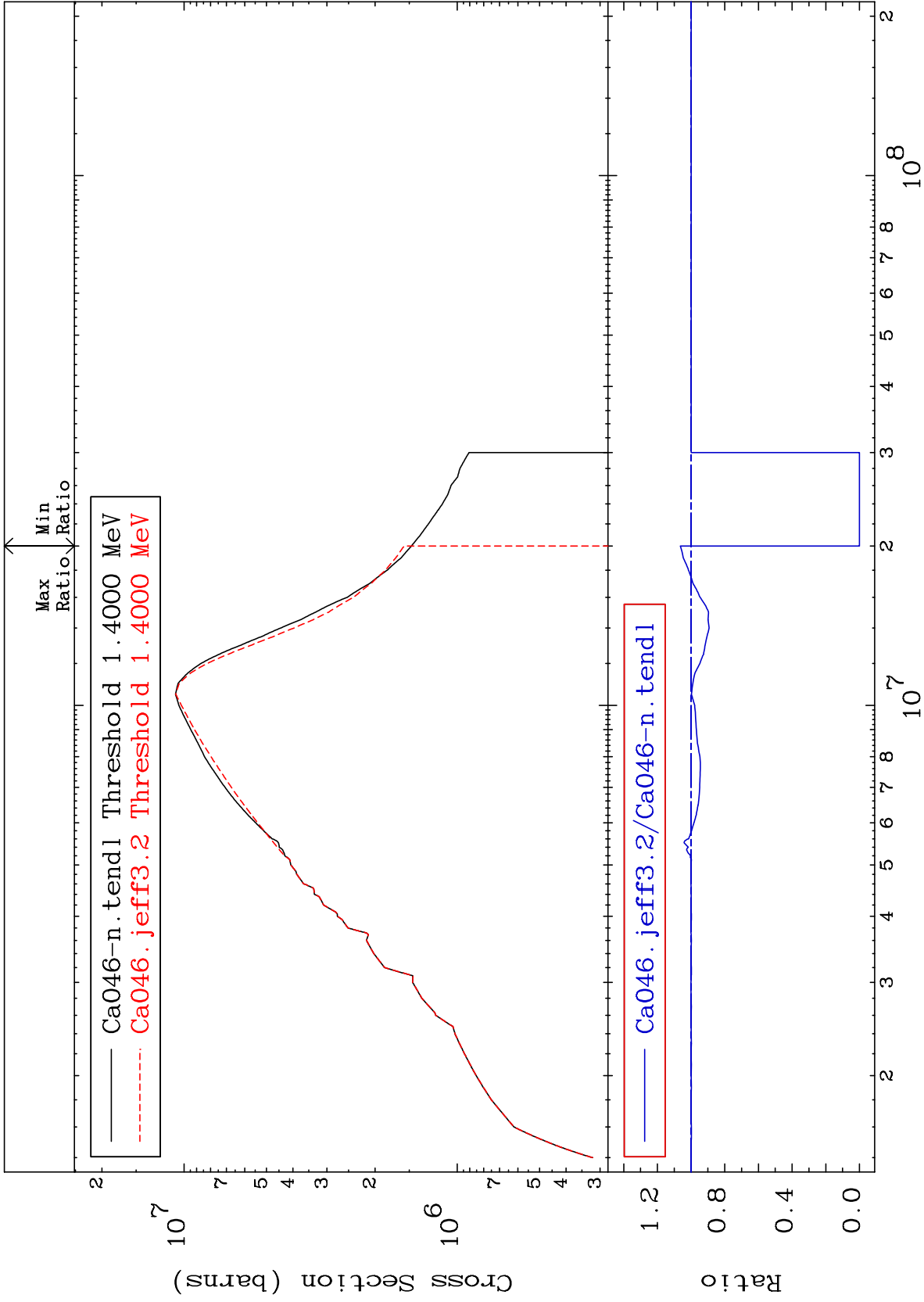
MAT 2043

Kerma elastic  
Cross Section

20-Ca-46  
-96.49 To 9999. %



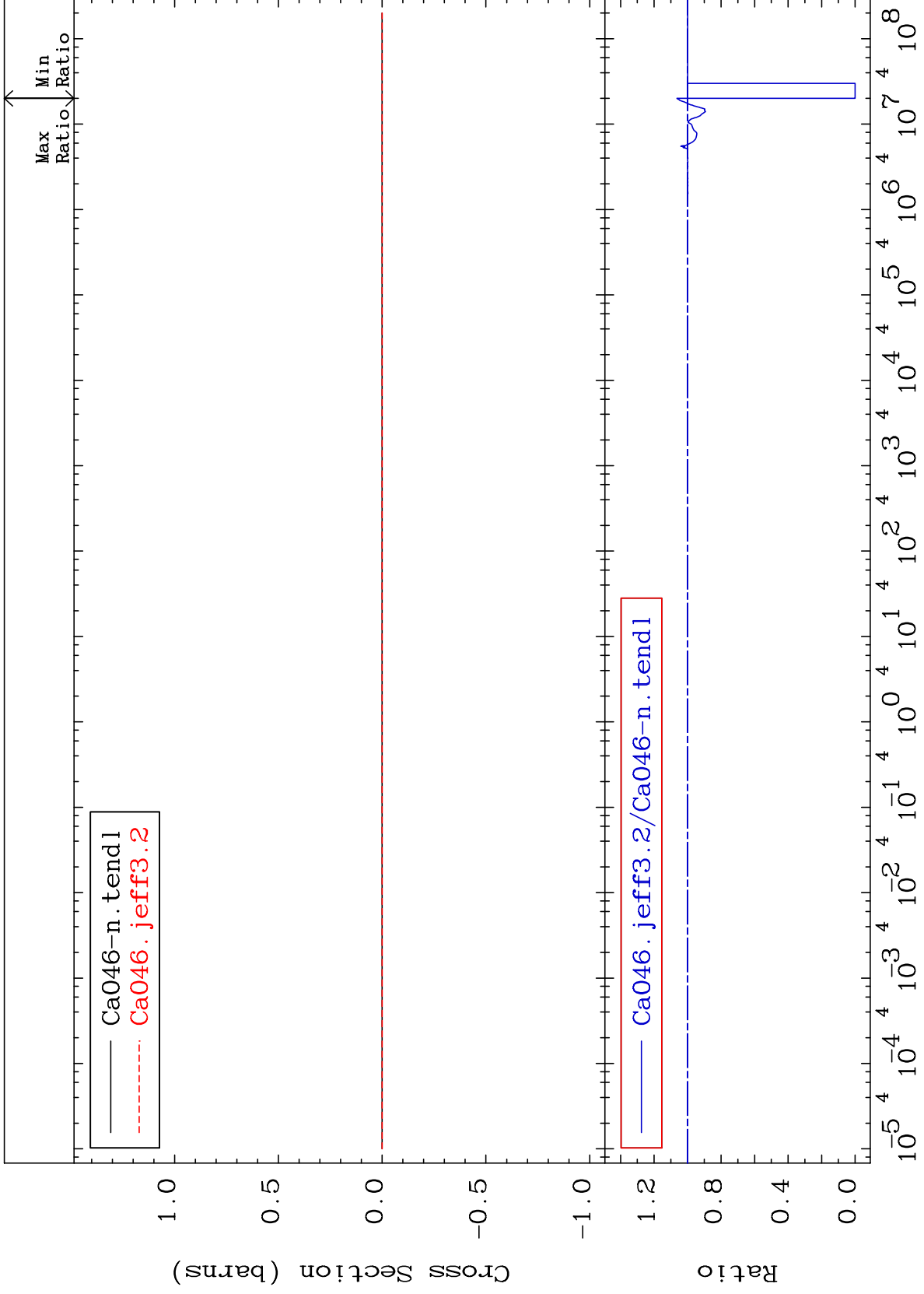




MAT 2043

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

20-Ca-46  
-100.0 To 6.353 %



Incident Energy (eV)

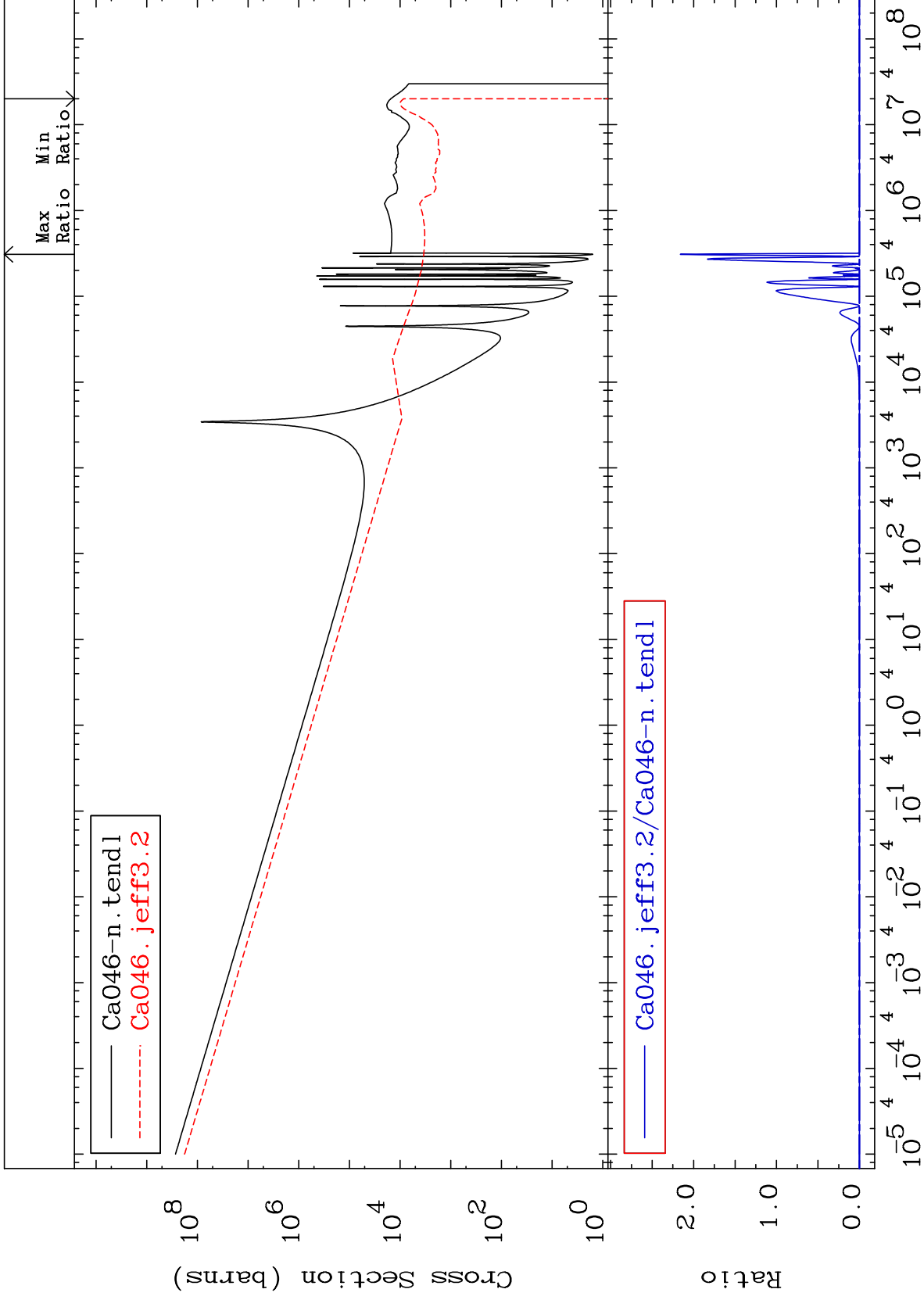
20-Ca-46

44

MAT 2043

Kerma capture (mt102)  
Cross Section

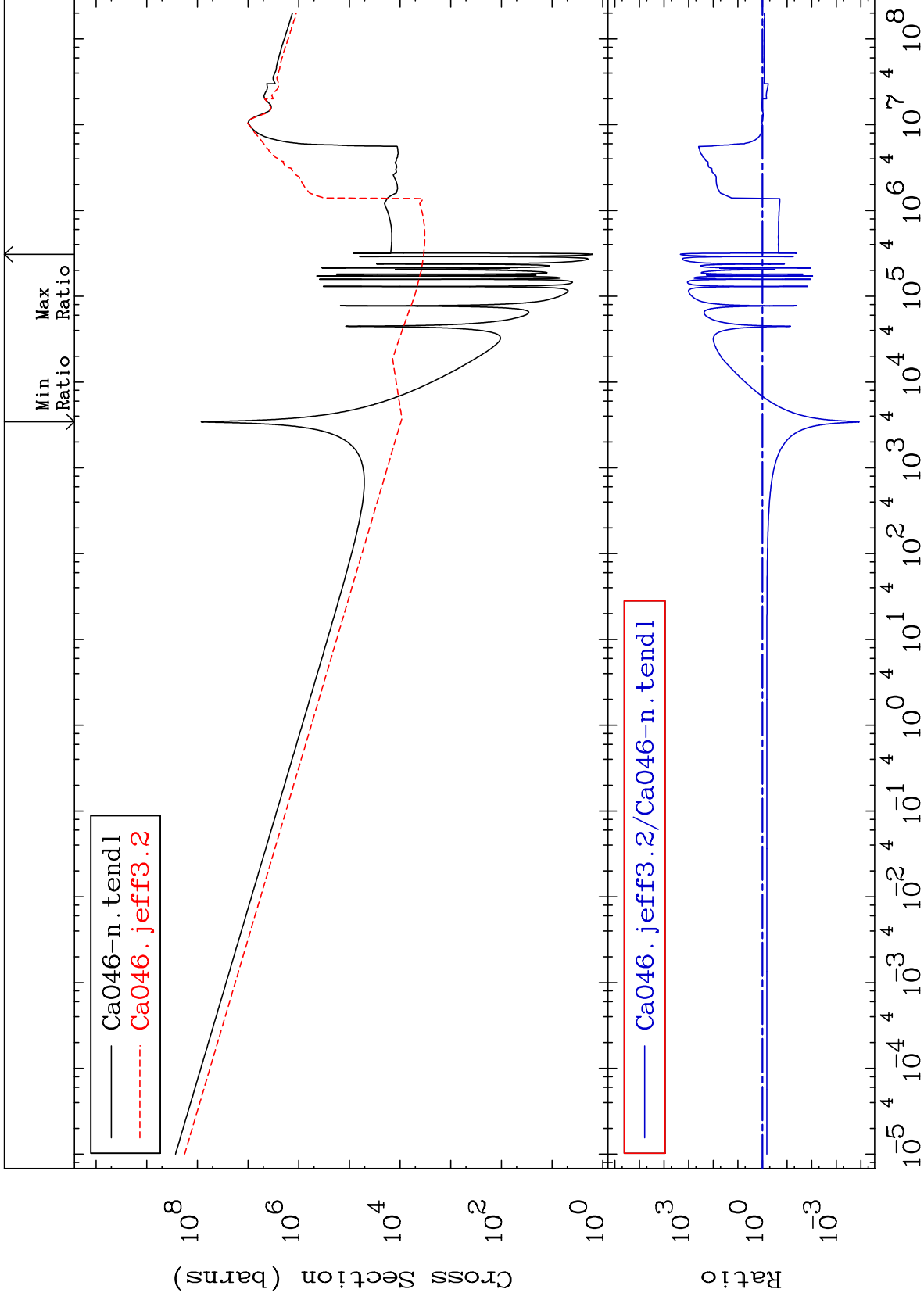
20-Ca-46  
-100.0 To 9999. %



45

Incident Energy (eV)

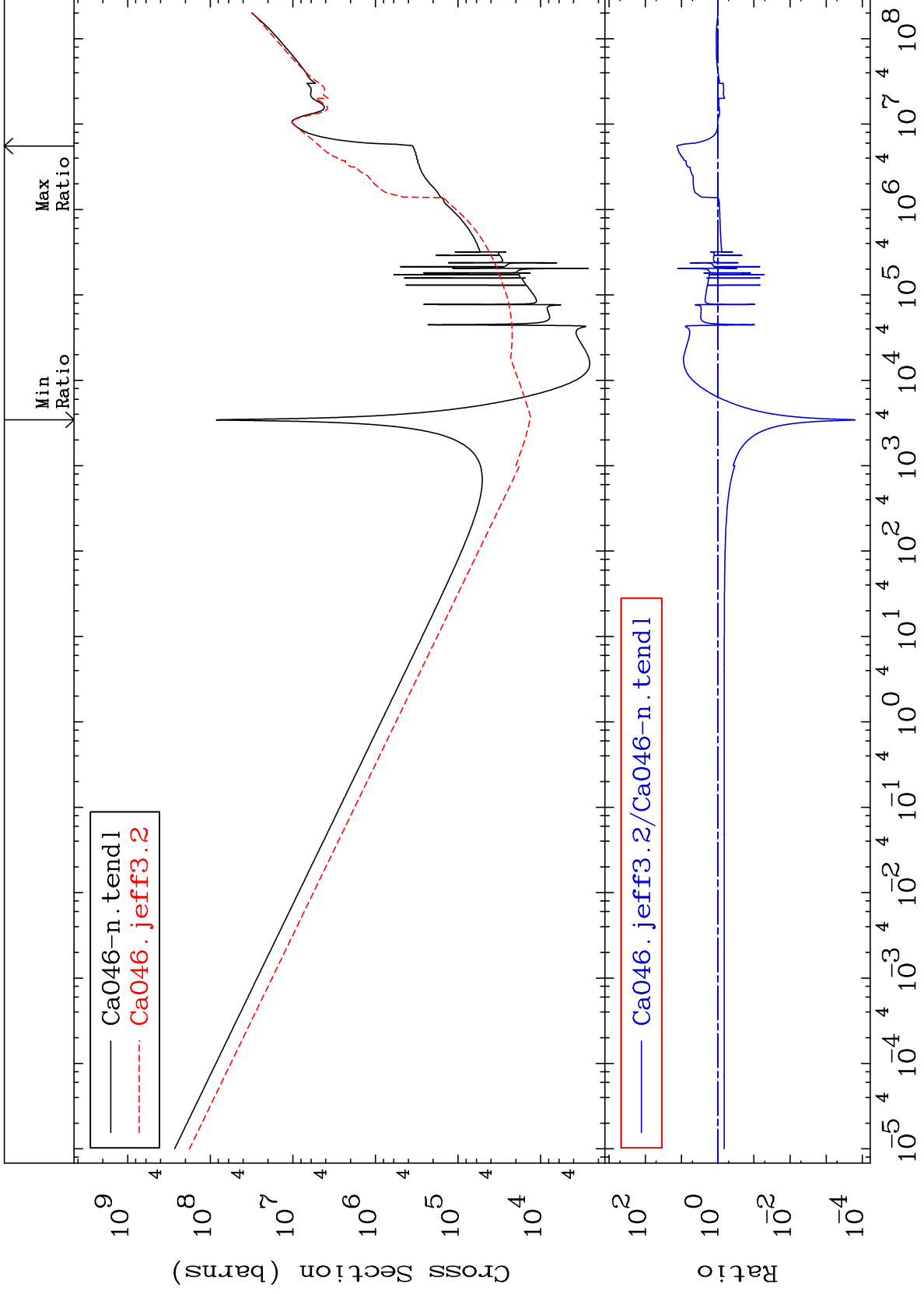
20-Ca-46



MAT 2043

Total kinematic kerma (high limit)  
Cross Section

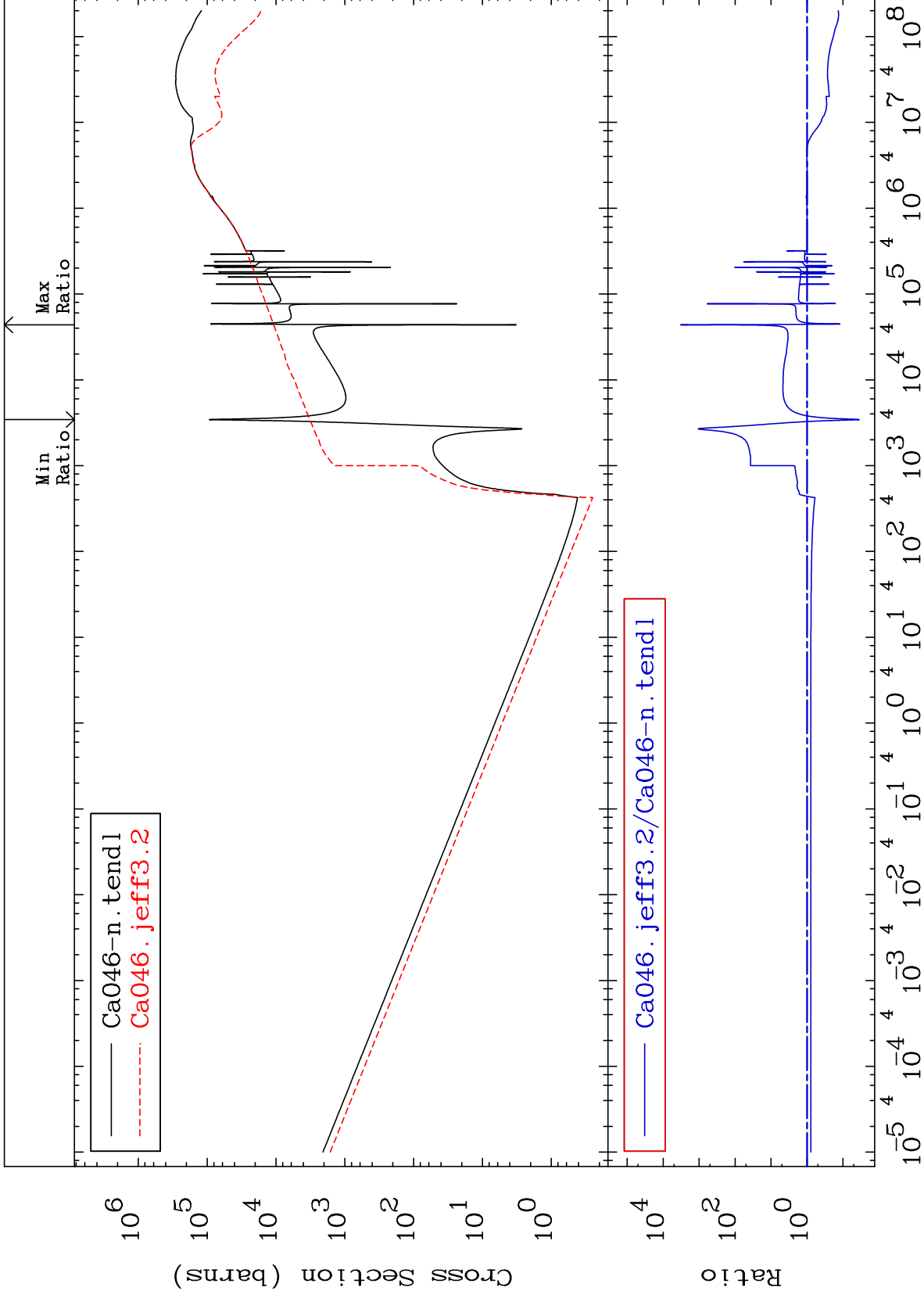
20-Ca-46  
-99.98 To 1237. %



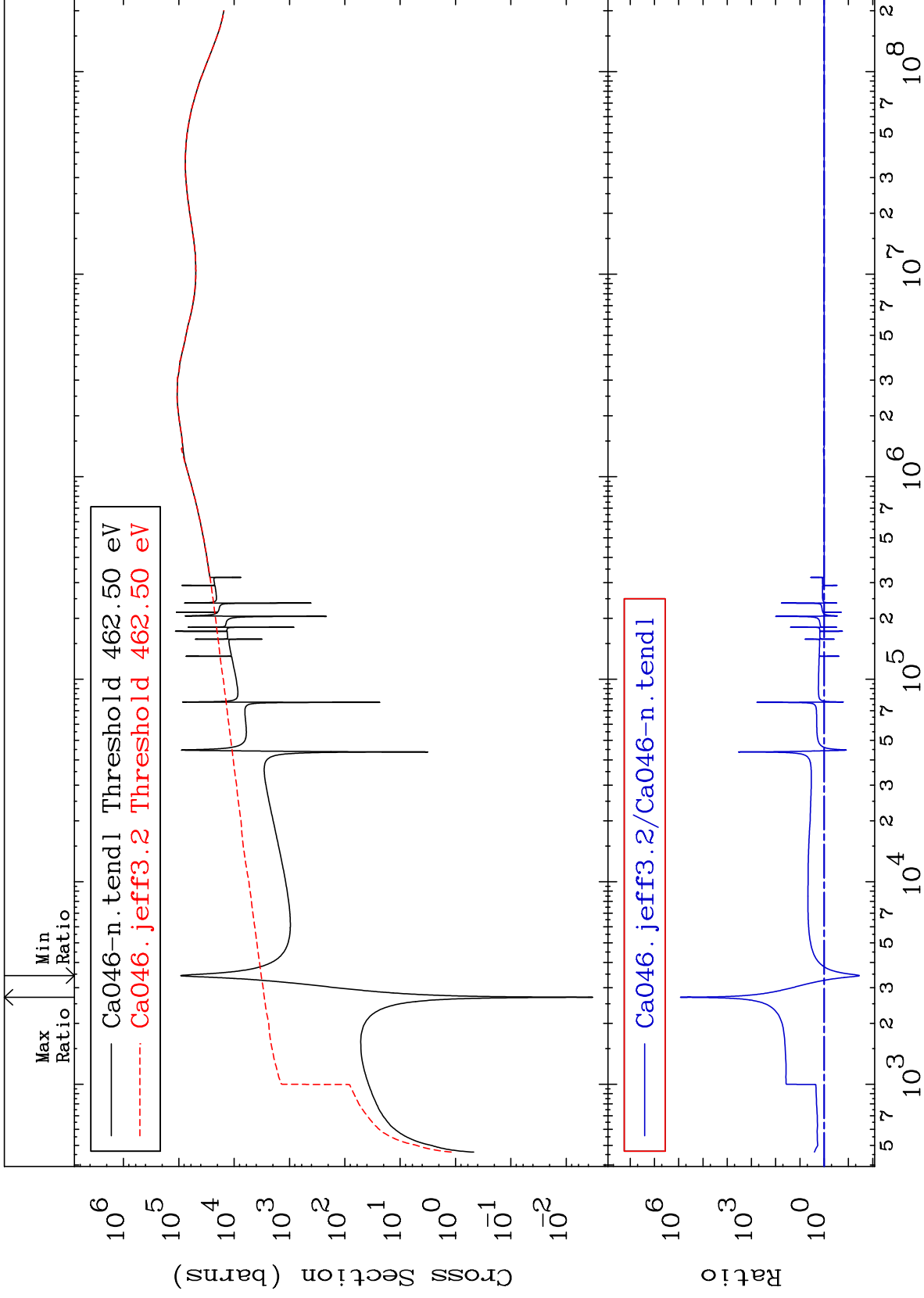
47

Incident Energy (eV)

20-Ca-46

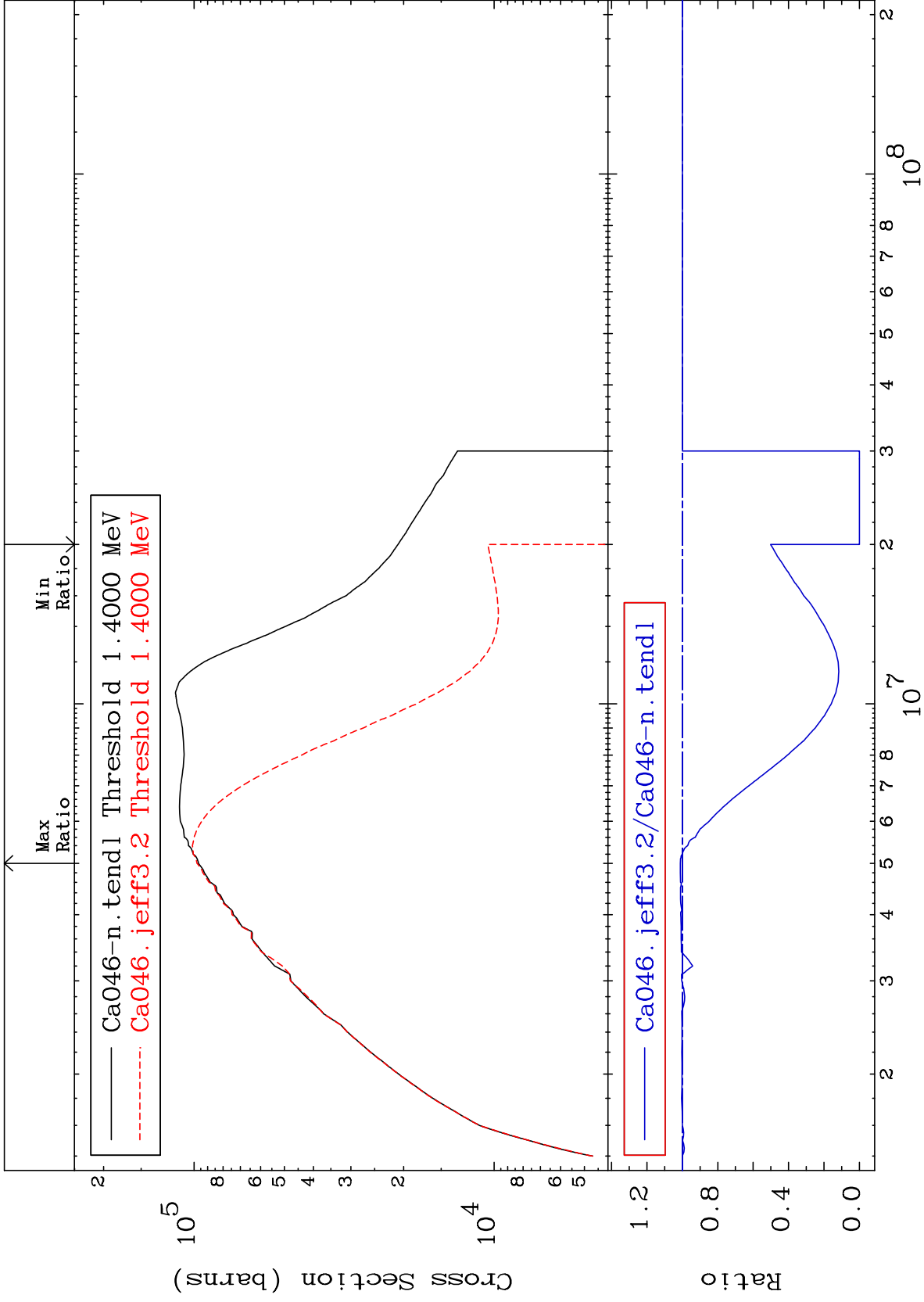






-100.0 To 1.110 %

Cross Section



MAT 2043

Dpa disappearance (mt102 -120)  
Cross Section

20-Ca-46  
-100.0 To 9999. %

