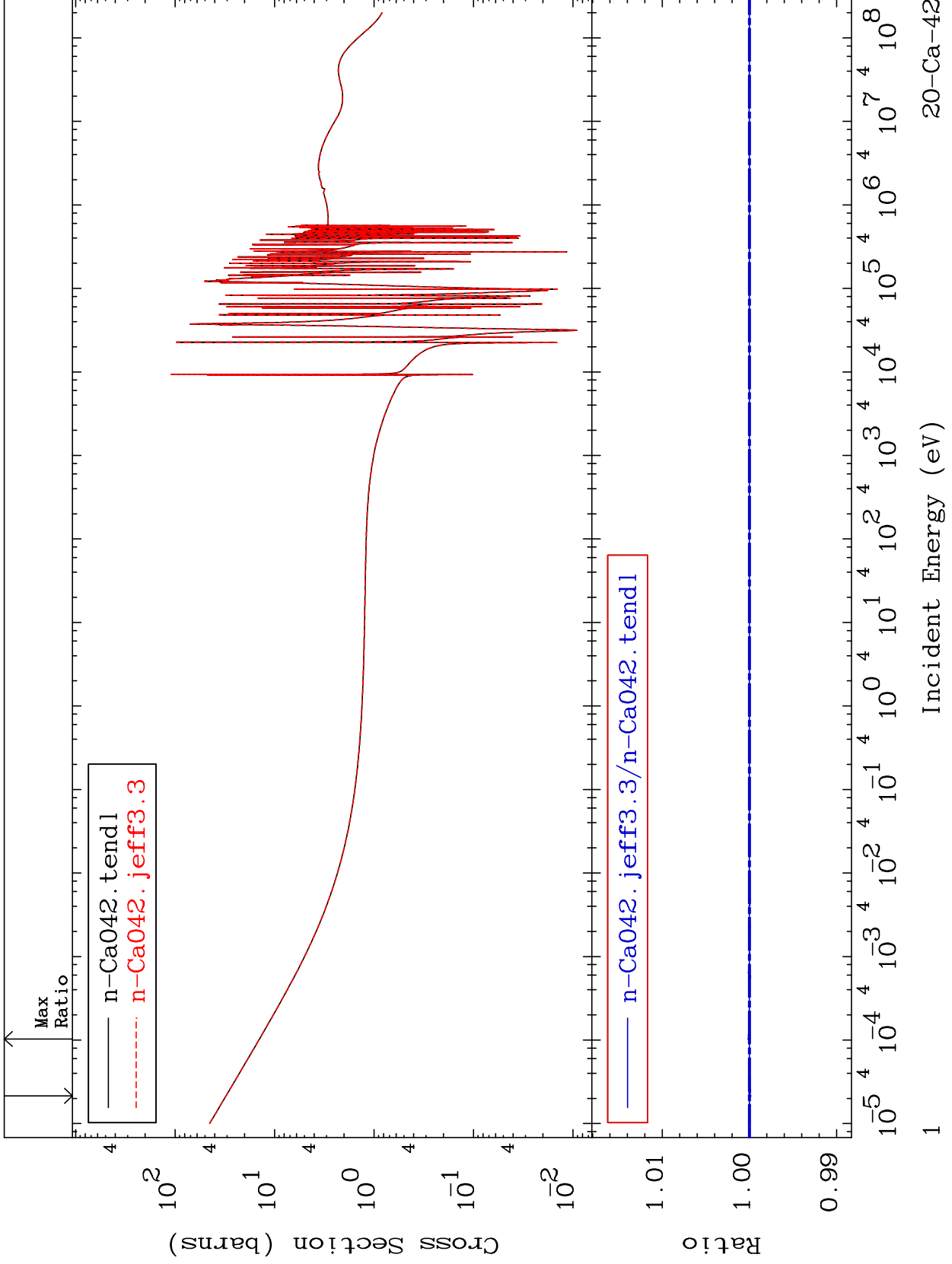


MAT 2031

Total  
Cross Section

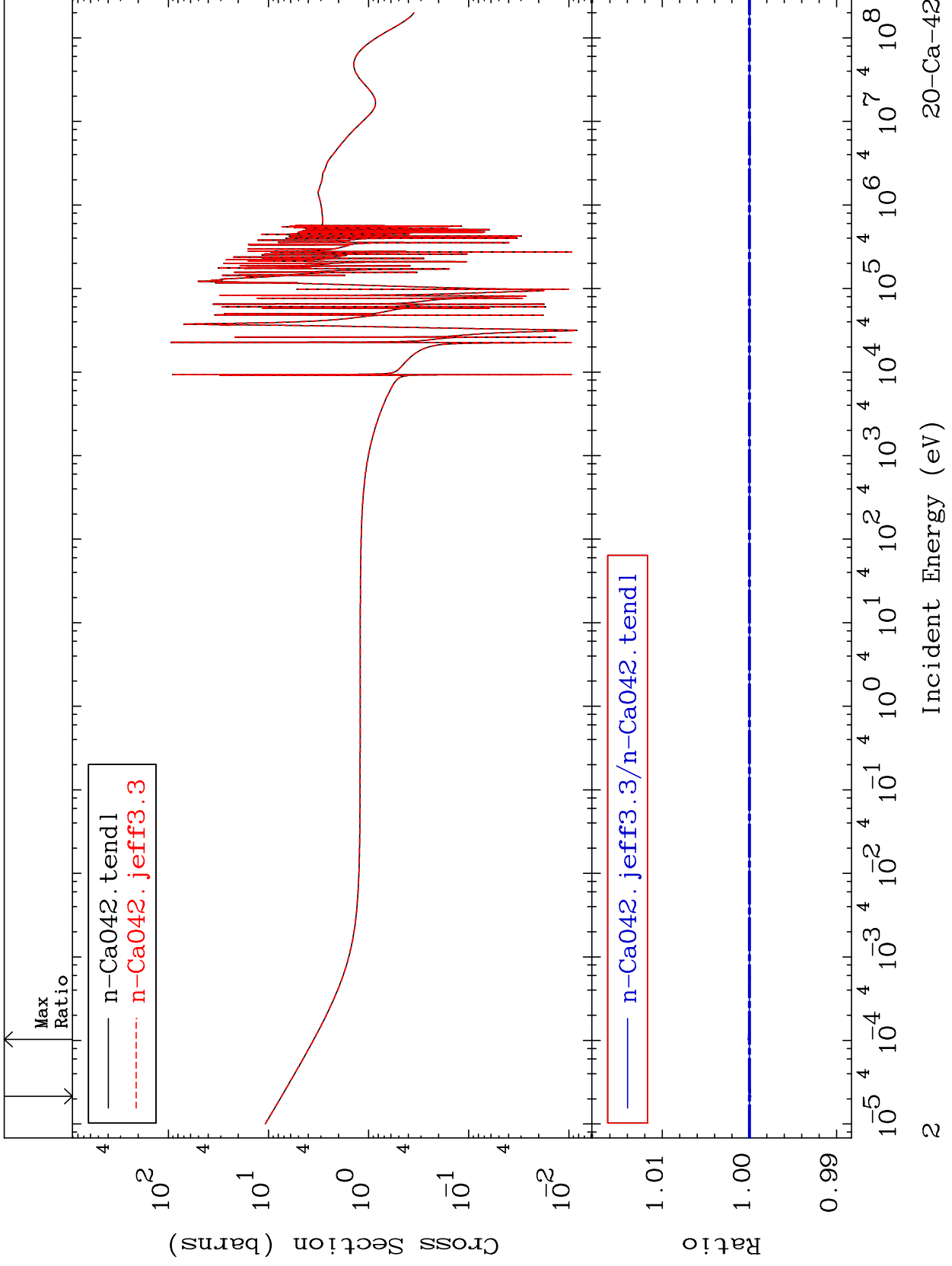
20-Ca-42  
-0.018 To 0.017 %



MAT 2031

Elastic  
Cross Section

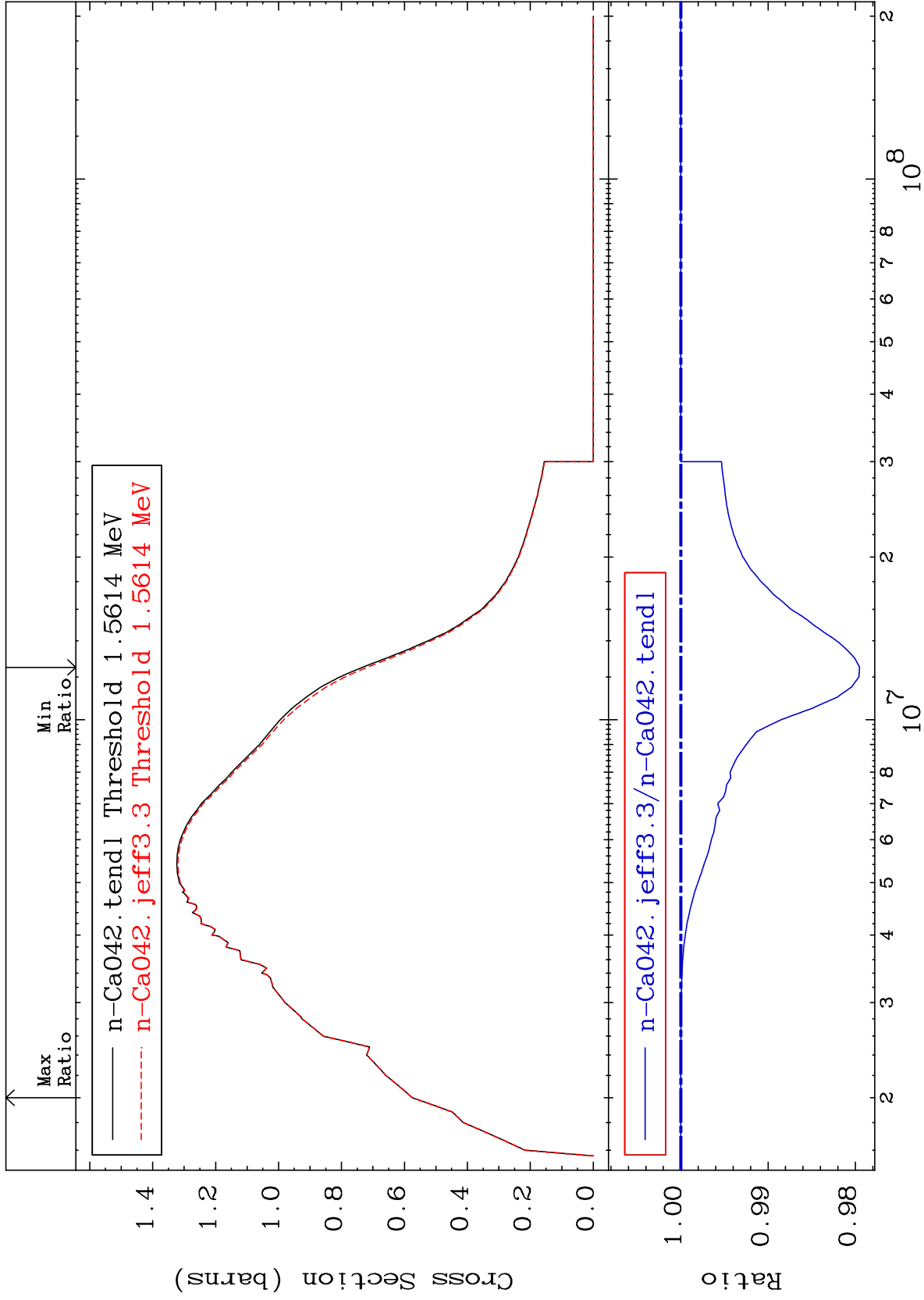
20-Ca-42  
-0.017 To 0.016 %



20-Ca-42

Incident Energy (eV)

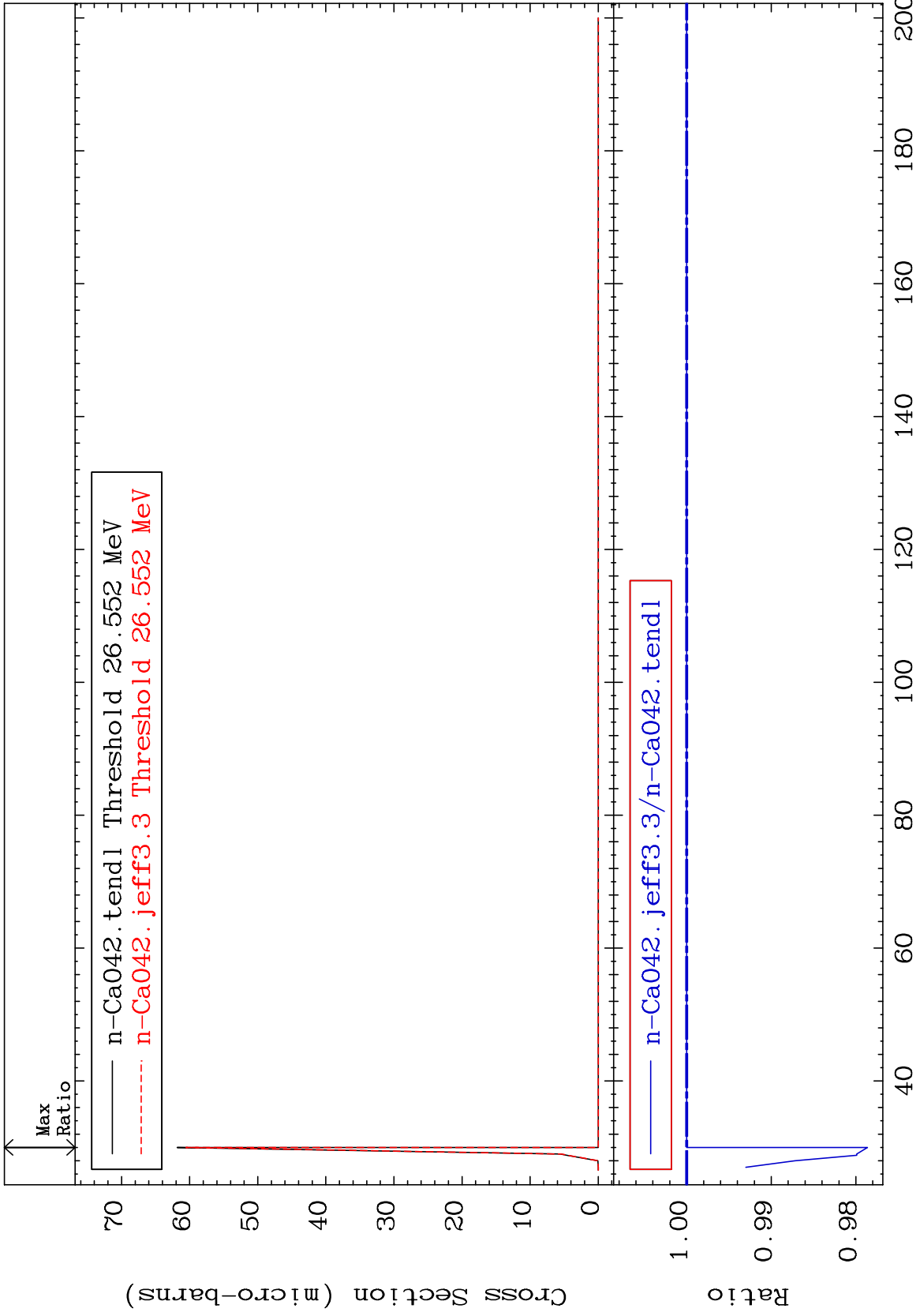
2



MAT 2031

(n,2n) d  
Cross Section

20-Ca-42  
-2.137 To 0.000 %



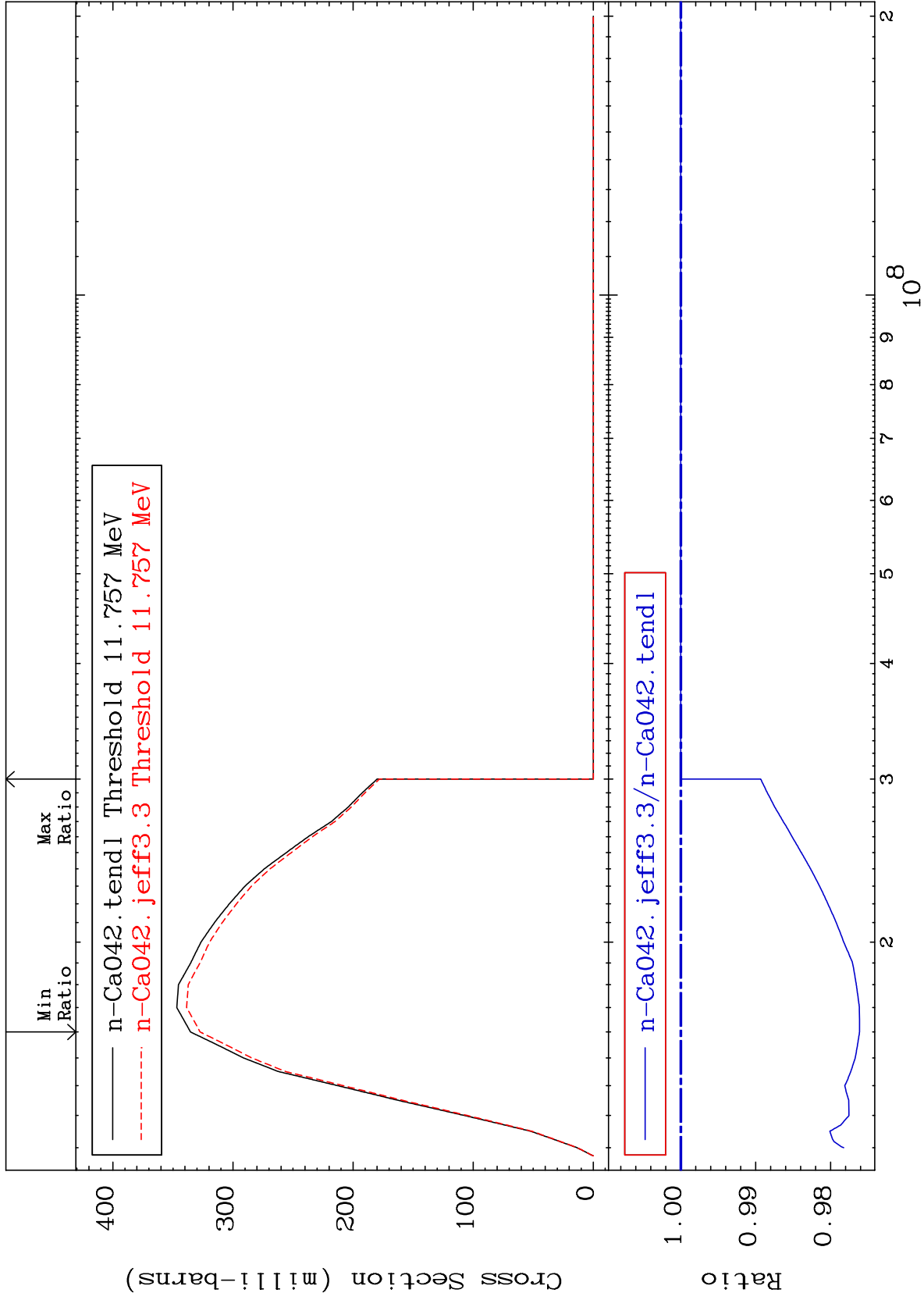
MAT 2031

(n,2n)

20-Ca-42

Cross Section

-2.386 To 0.000 %



5

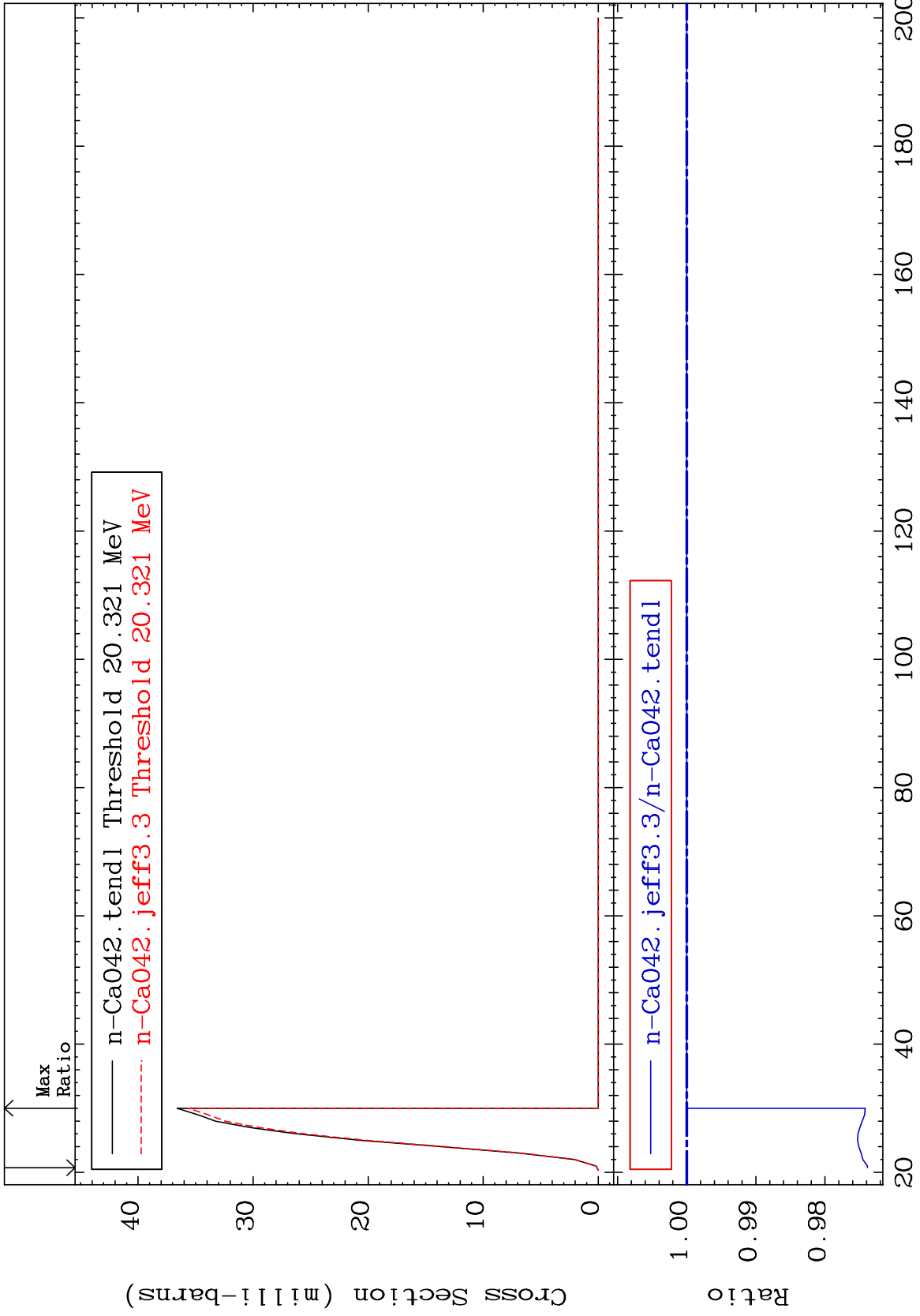
Incident Energy (eV)

20-Ca-42

MAT 2031

(n,3n)  
Cross Section

20-Ca-42  
-2.613 To 0.000 %

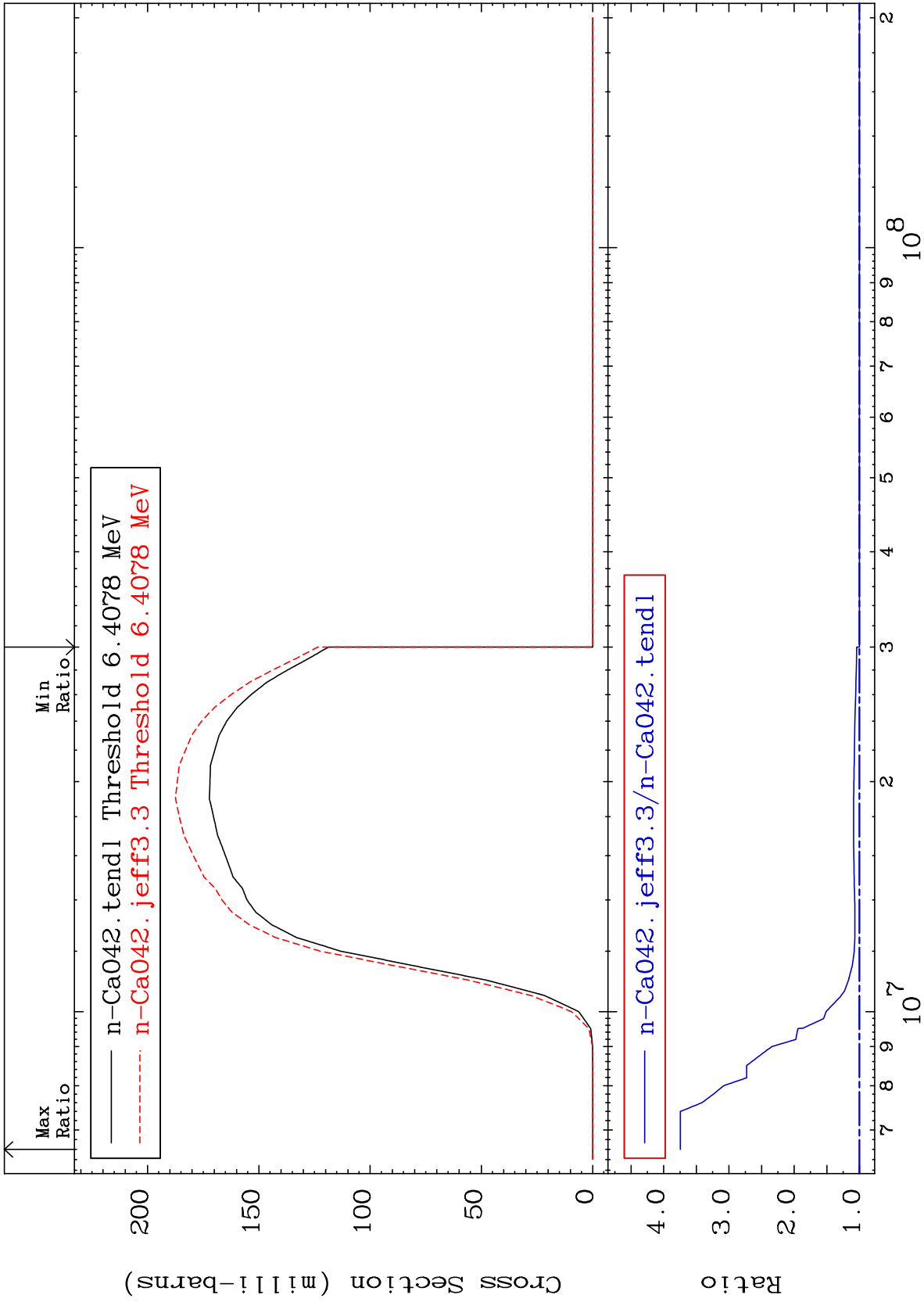


MAT 2031

20-Ca-42

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

0.000 To 274.5 %



7

Incident Energy (eV)

20-Ca-42

MAT 2031

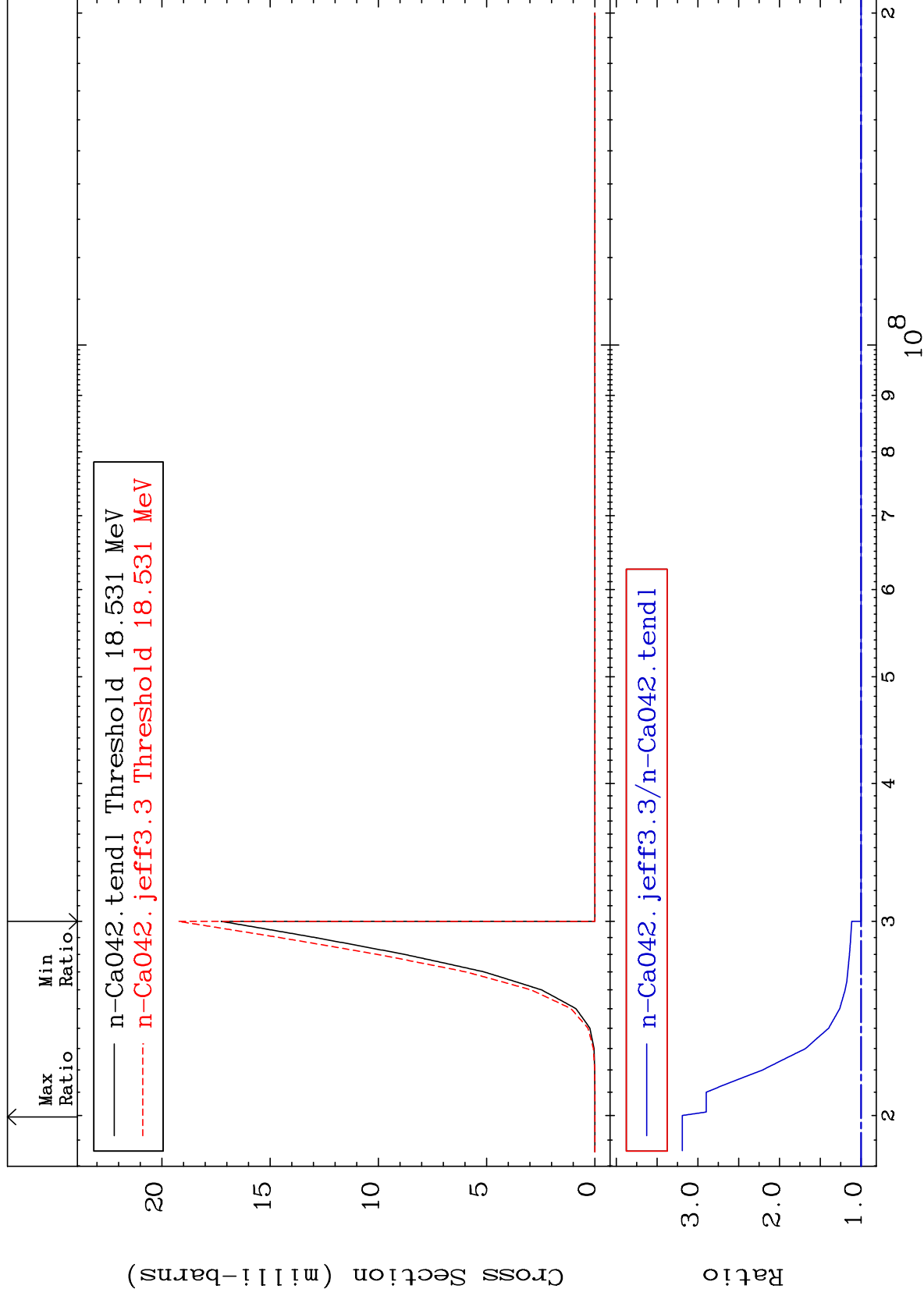
(n,2n)  $\alpha$

20-Ca-42

Cross Section

0.000

To 219.1 %



8

Incident Energy (eV)

20-Ca-42

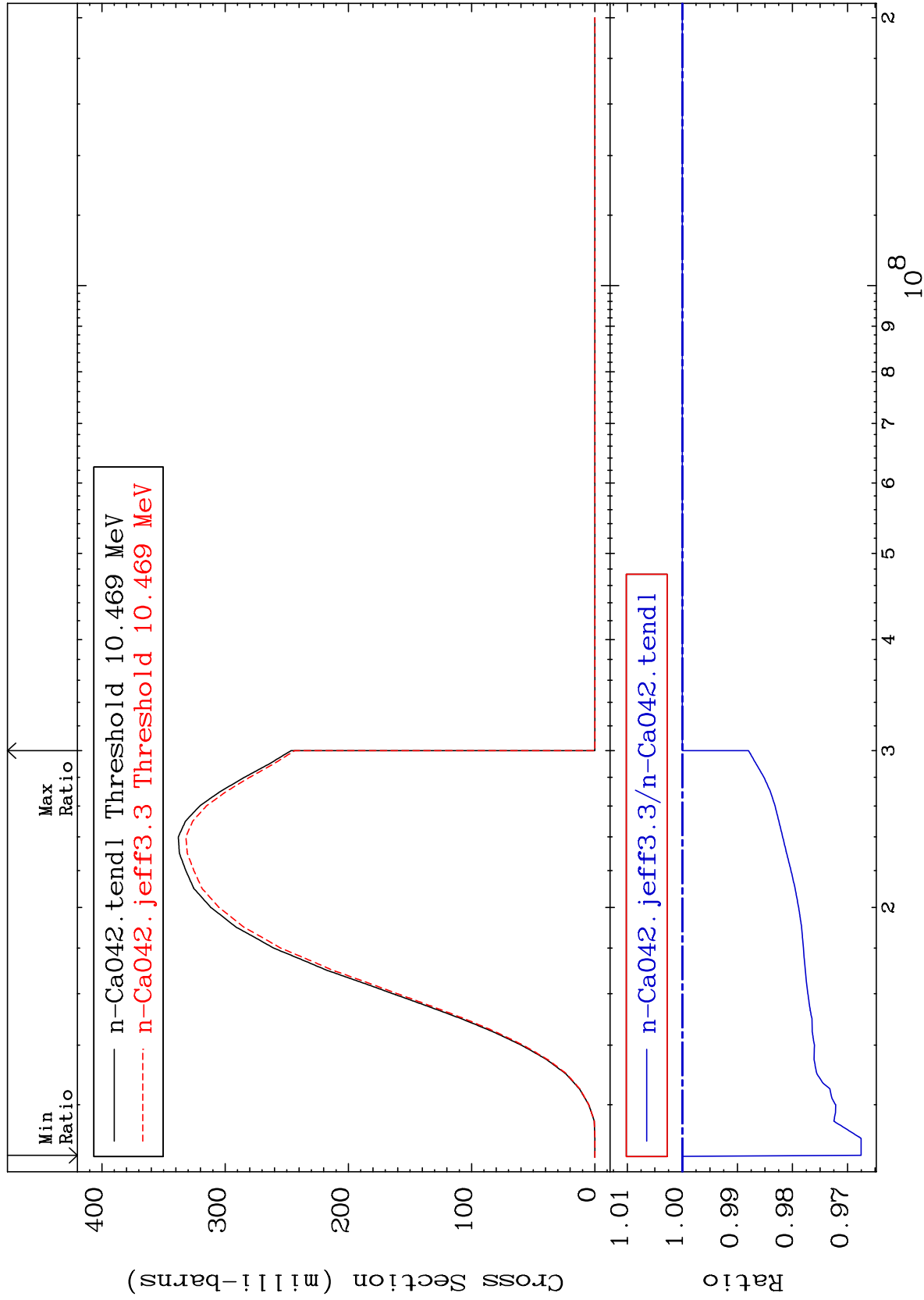


MAT 2031

(n,n') p  
Cross Section

20-Ca-42

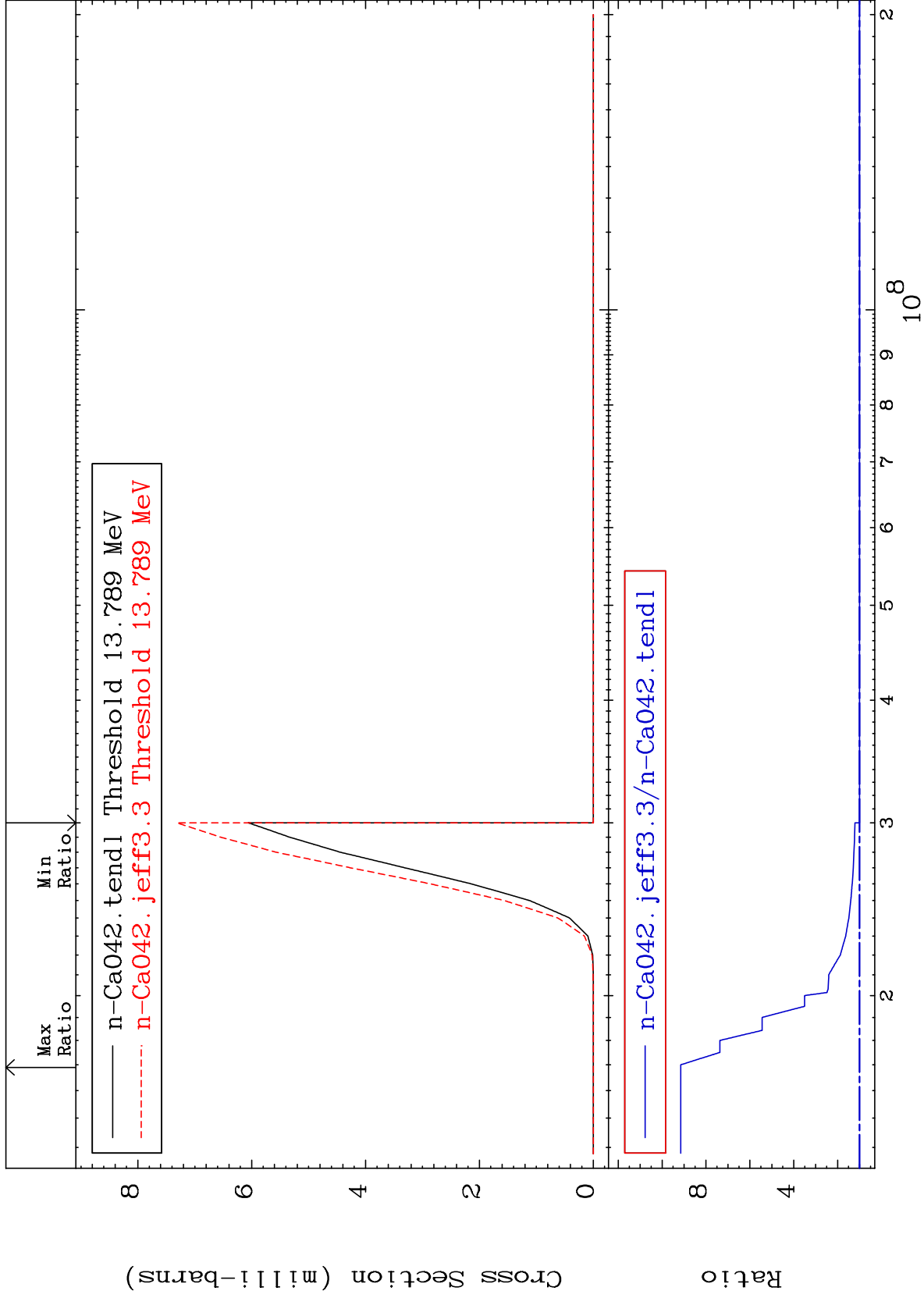
-3.246 To 0.000 %



MAT 2031

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

20-Ca-42  
To 815.1 %  
0.000



10

Incident Energy (eV)

20-Ca-42

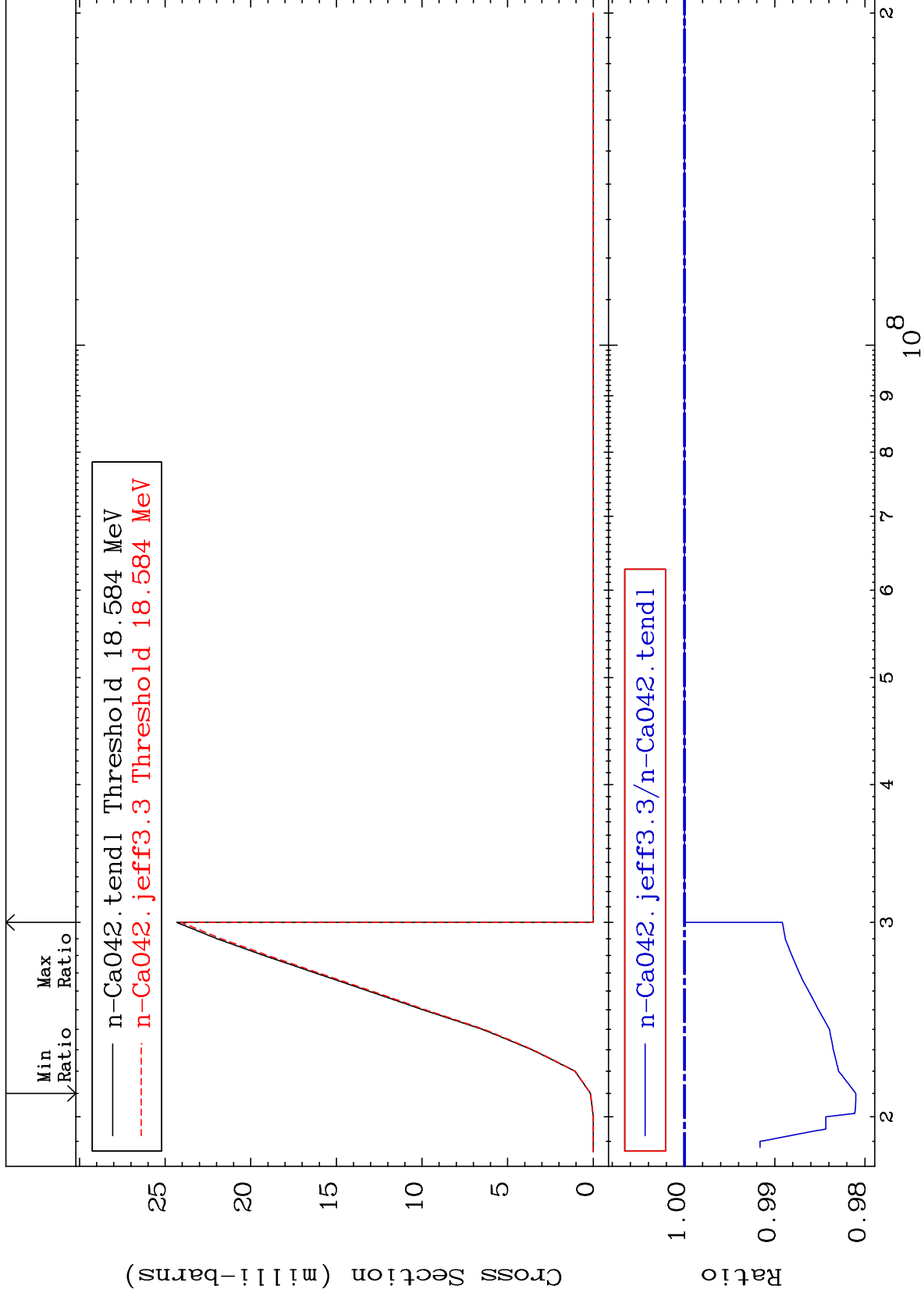
MAT 2031

(n,n') d

20-Ca-42

Cross Section

-1.898 To 0.000 %



11

Incident Energy (eV)

20-Ca-42

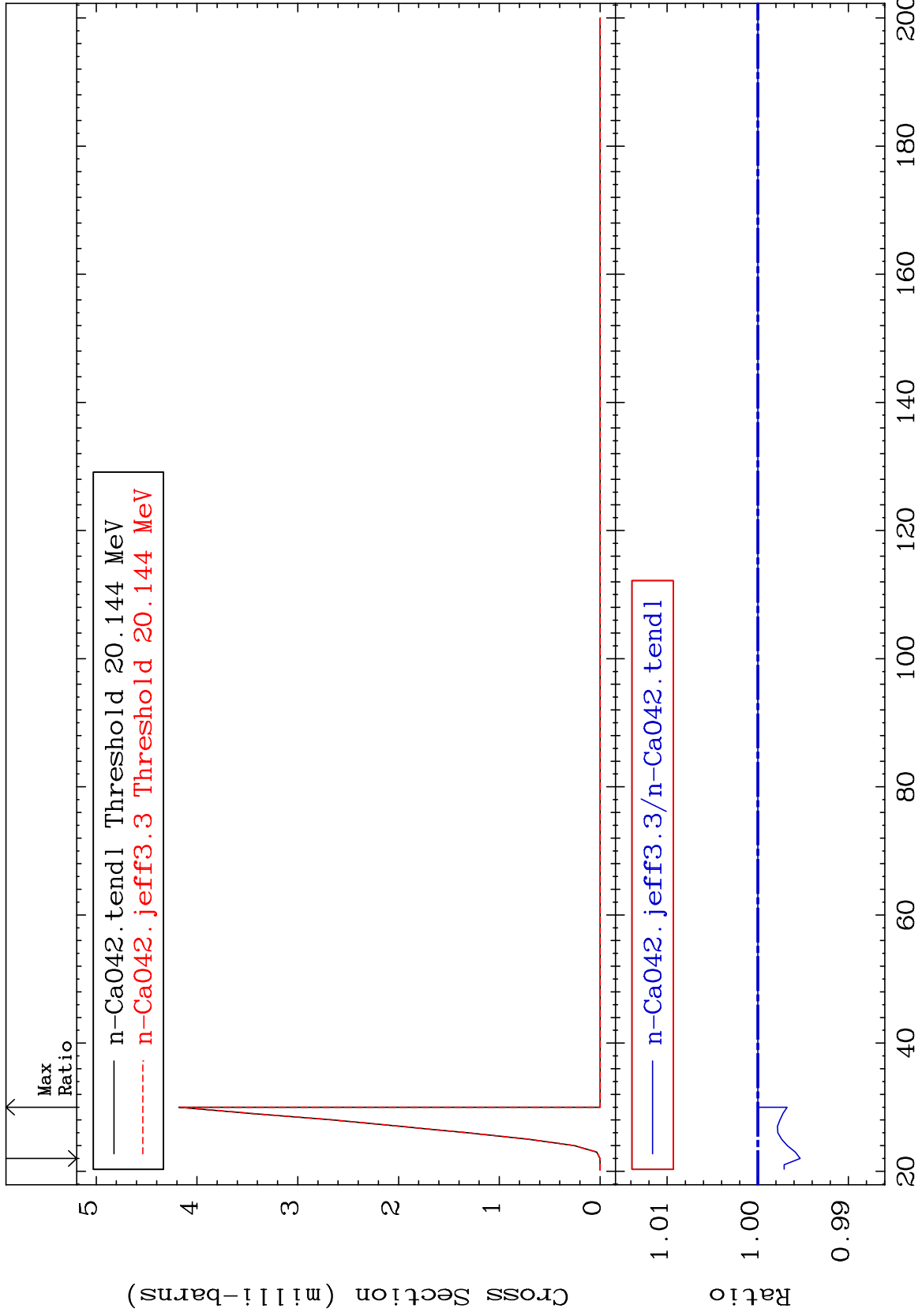
MAT 2031

(n,n') t

20-Ca-42

Cross Section

-0.468 To 0.000 %



12

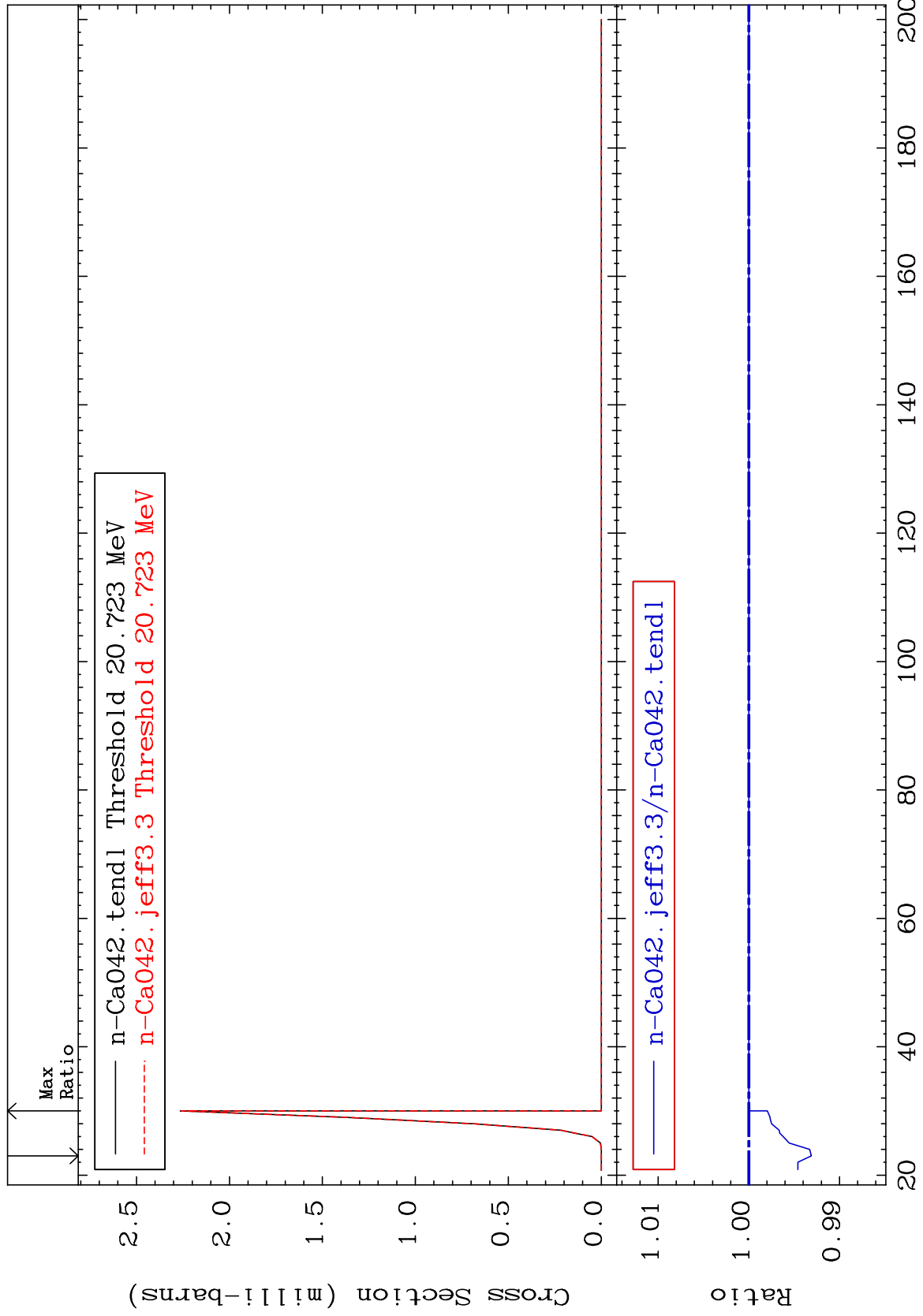
Incident Energy (MeV)

20-Ca-42

MAT 2031

(n, n') He-3  
Cross Section

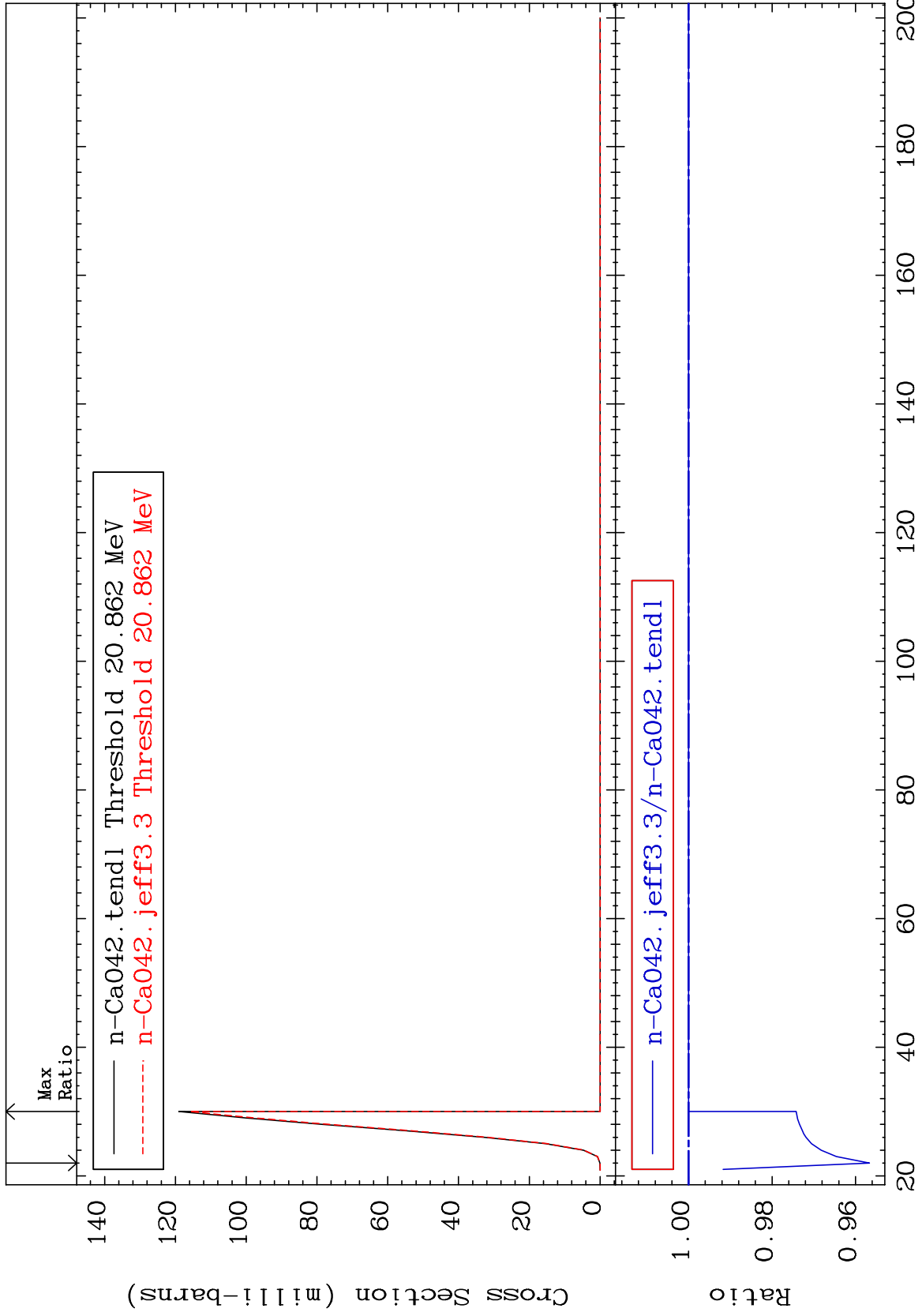
20-Ca-42  
-0.690 To 0.000 %



MAT 2031

(n,2n) p  
Cross Section

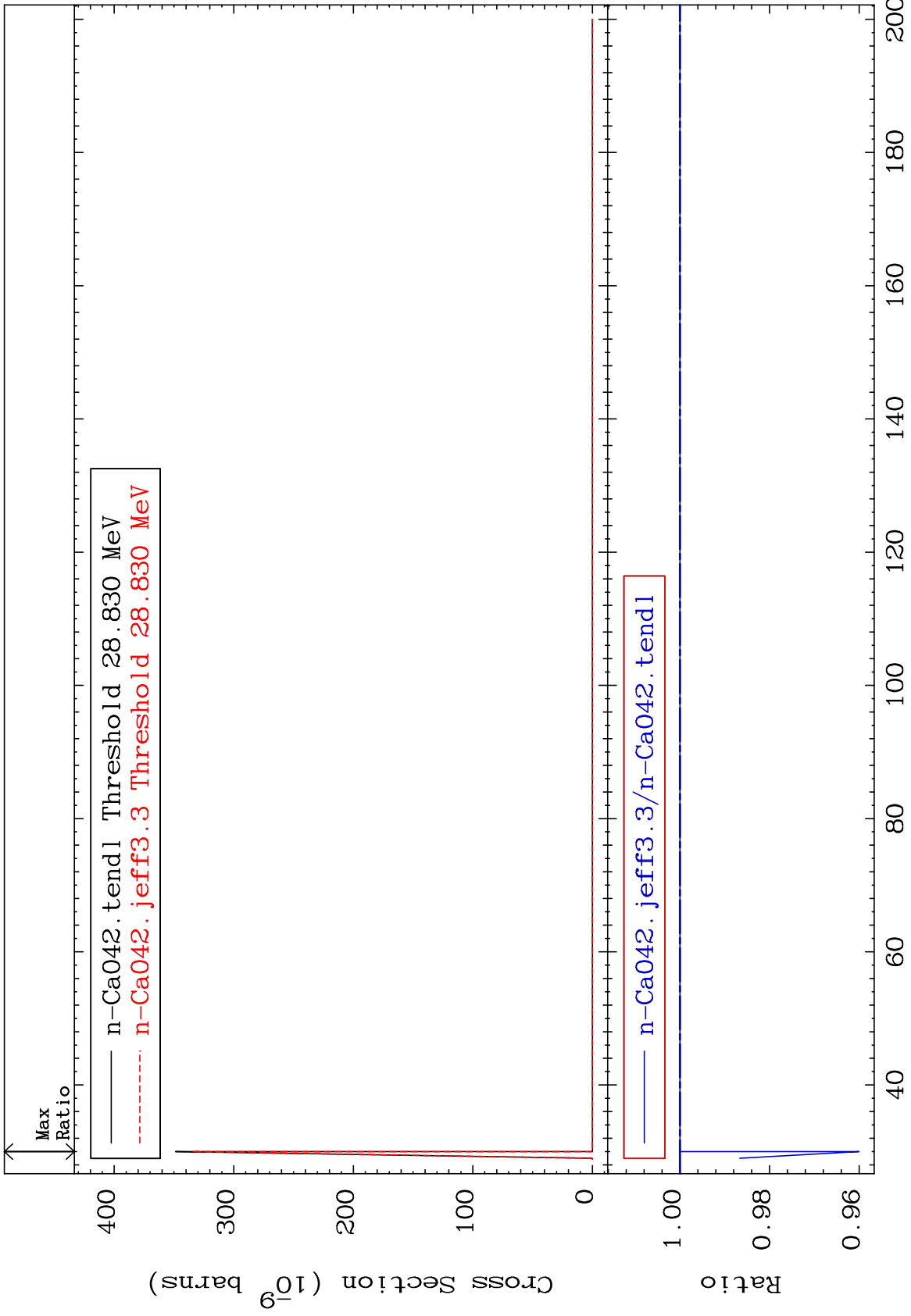
20-Ca-42  
-4.333 To 0.000 %



MAT 2031

(n,3n) p  
Cross Section

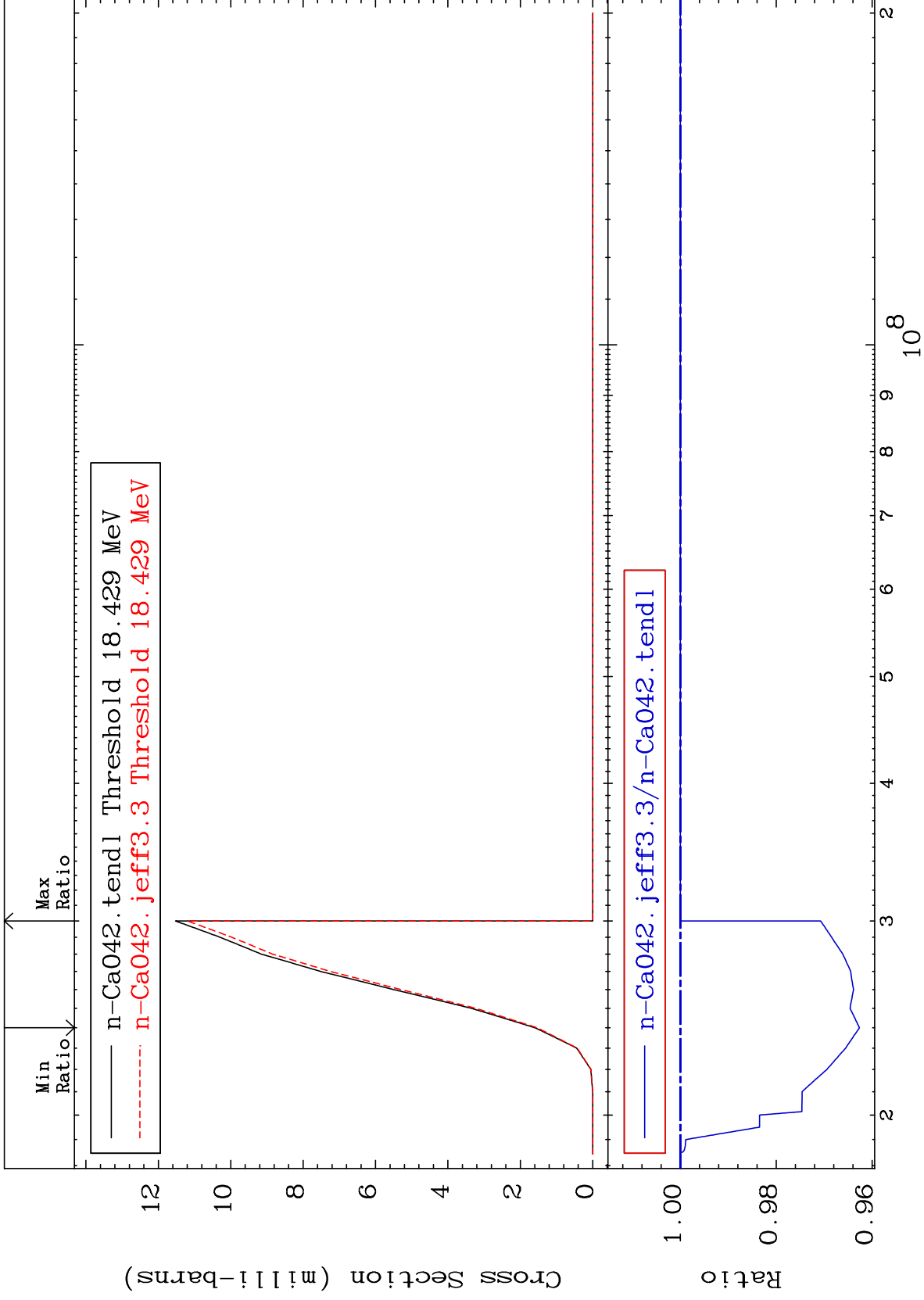
20-Ca-42  
-3.998 To 0.000 %



MAT 2031

(n,2n) p  
Cross Section

20-Ca-42  
-3.733 To 0.000 %



16

Incident Energy (eV)

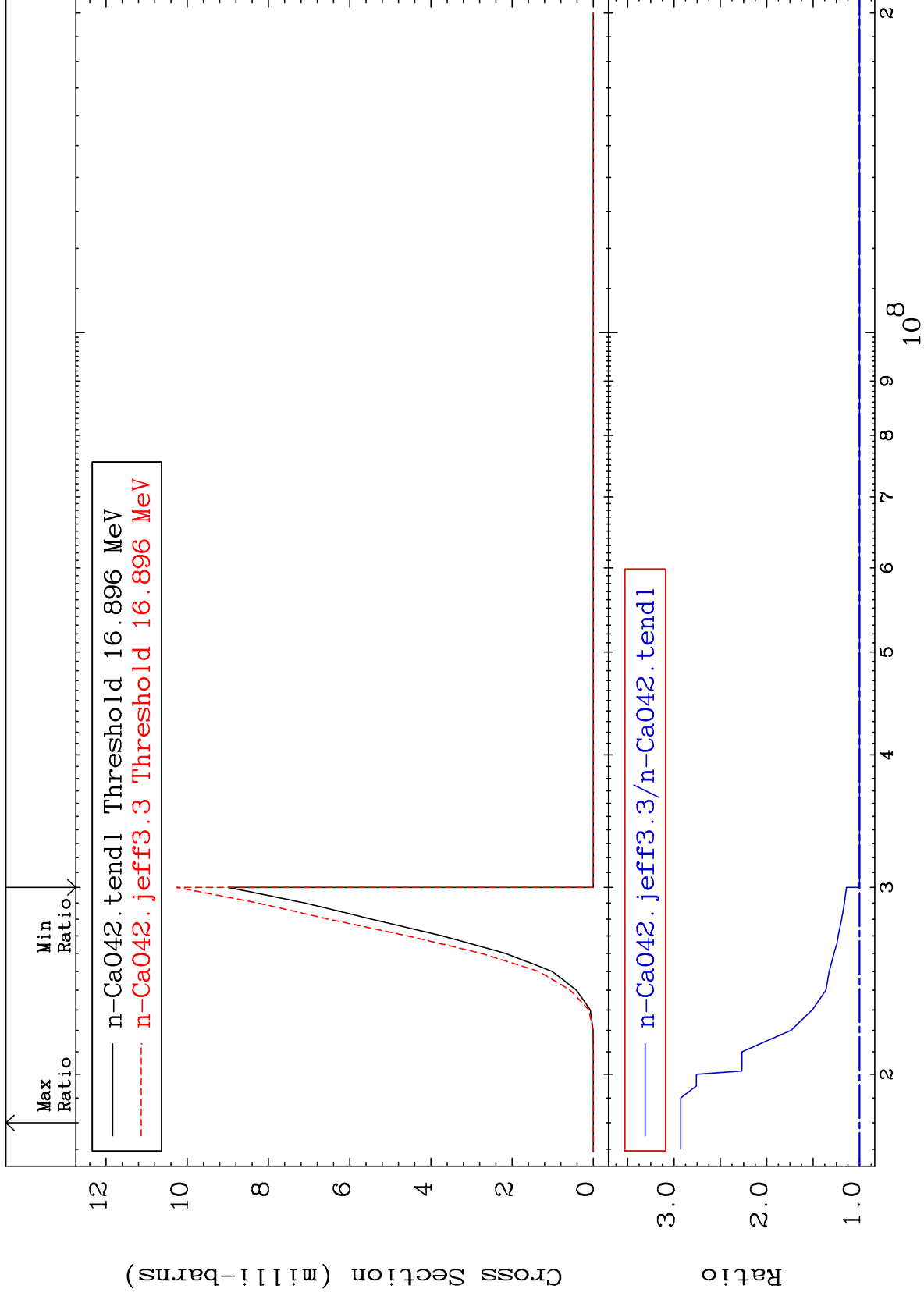
20-Ca-42



MAT 2031

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

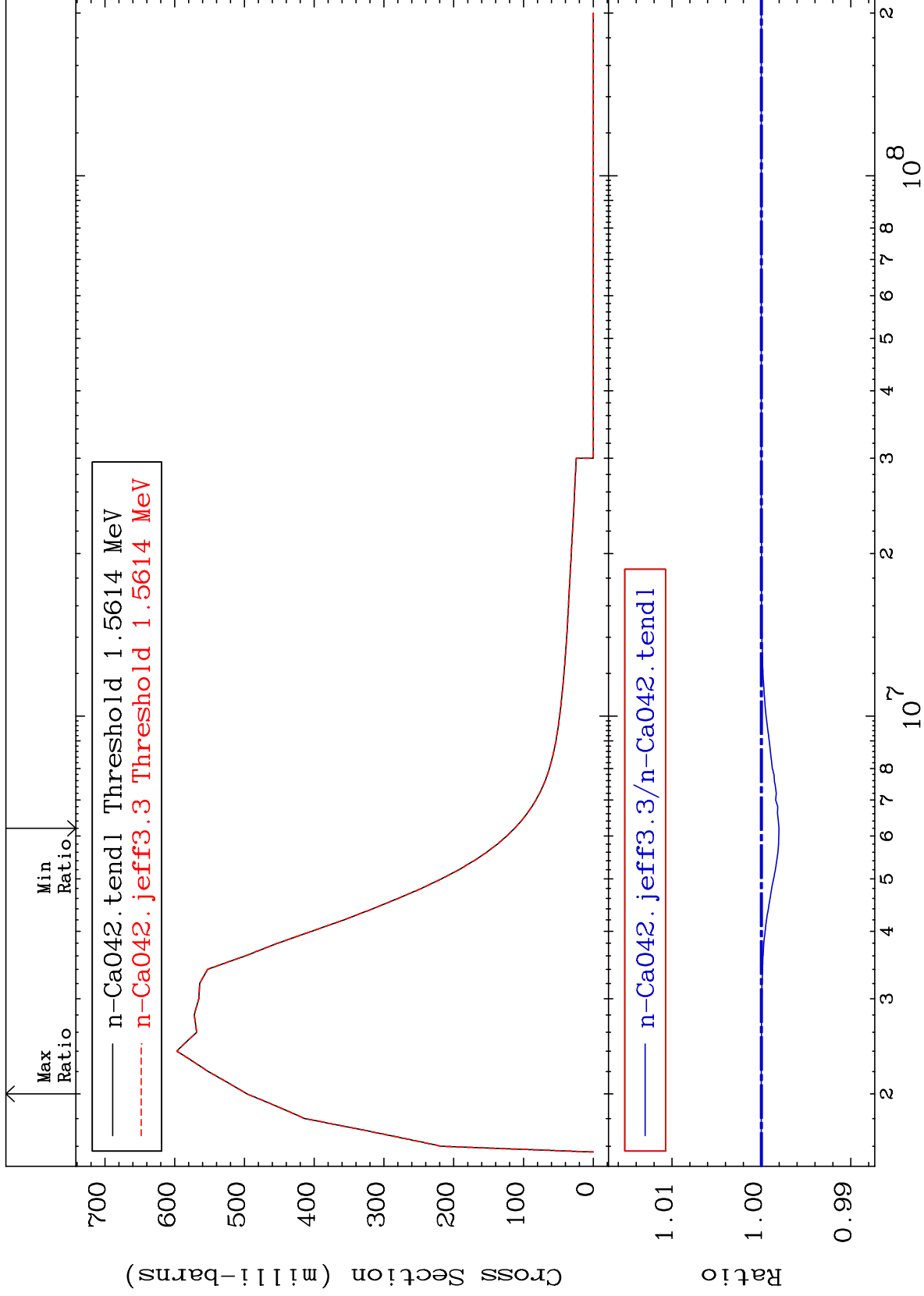
20-Ca-42  
To 192.7 %



MAT 2031

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

20-Ca-42  
-0.197 To 0.000 %



18

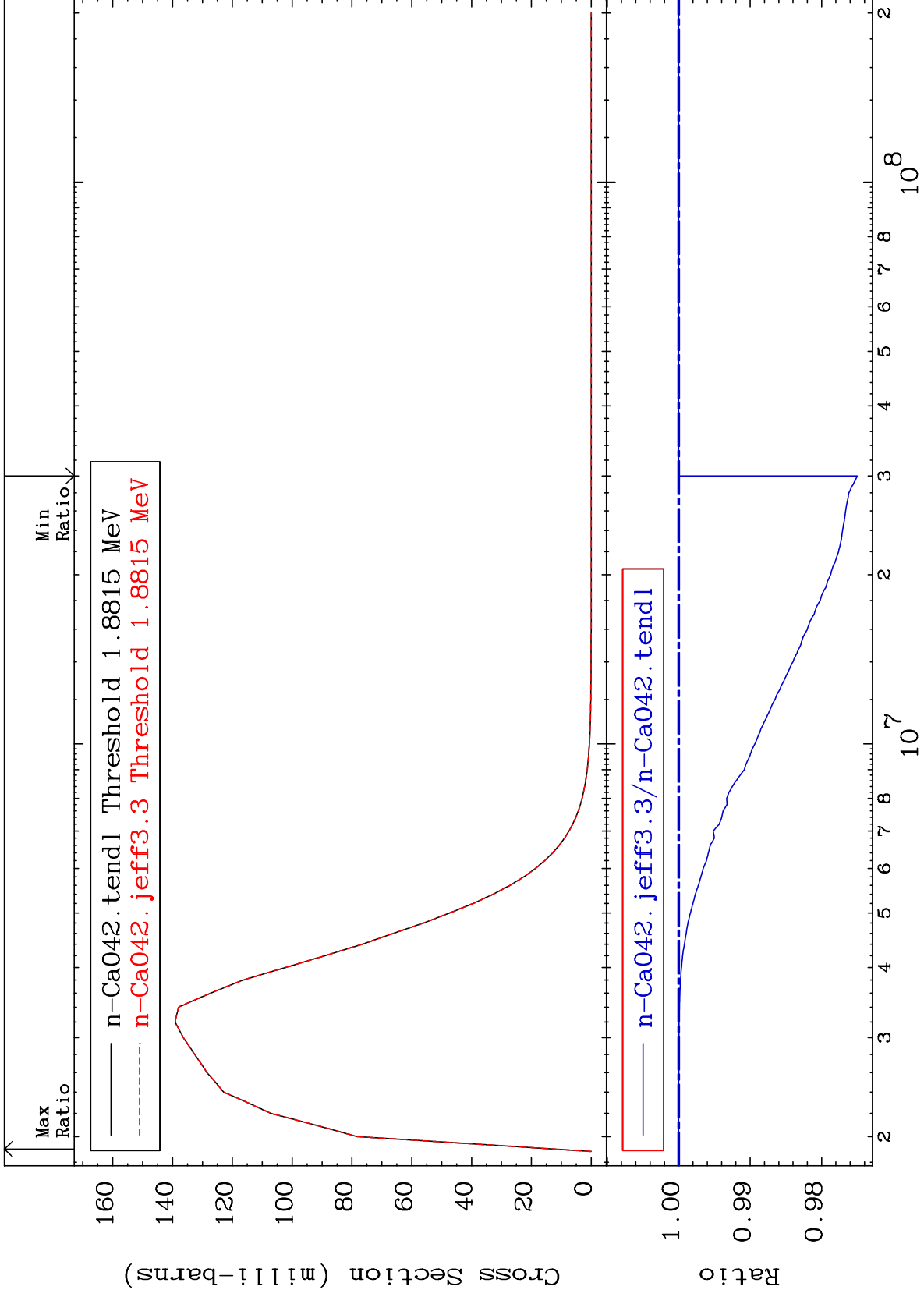
Incident Energy (eV)

20-Ca-42

MAT 2031

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

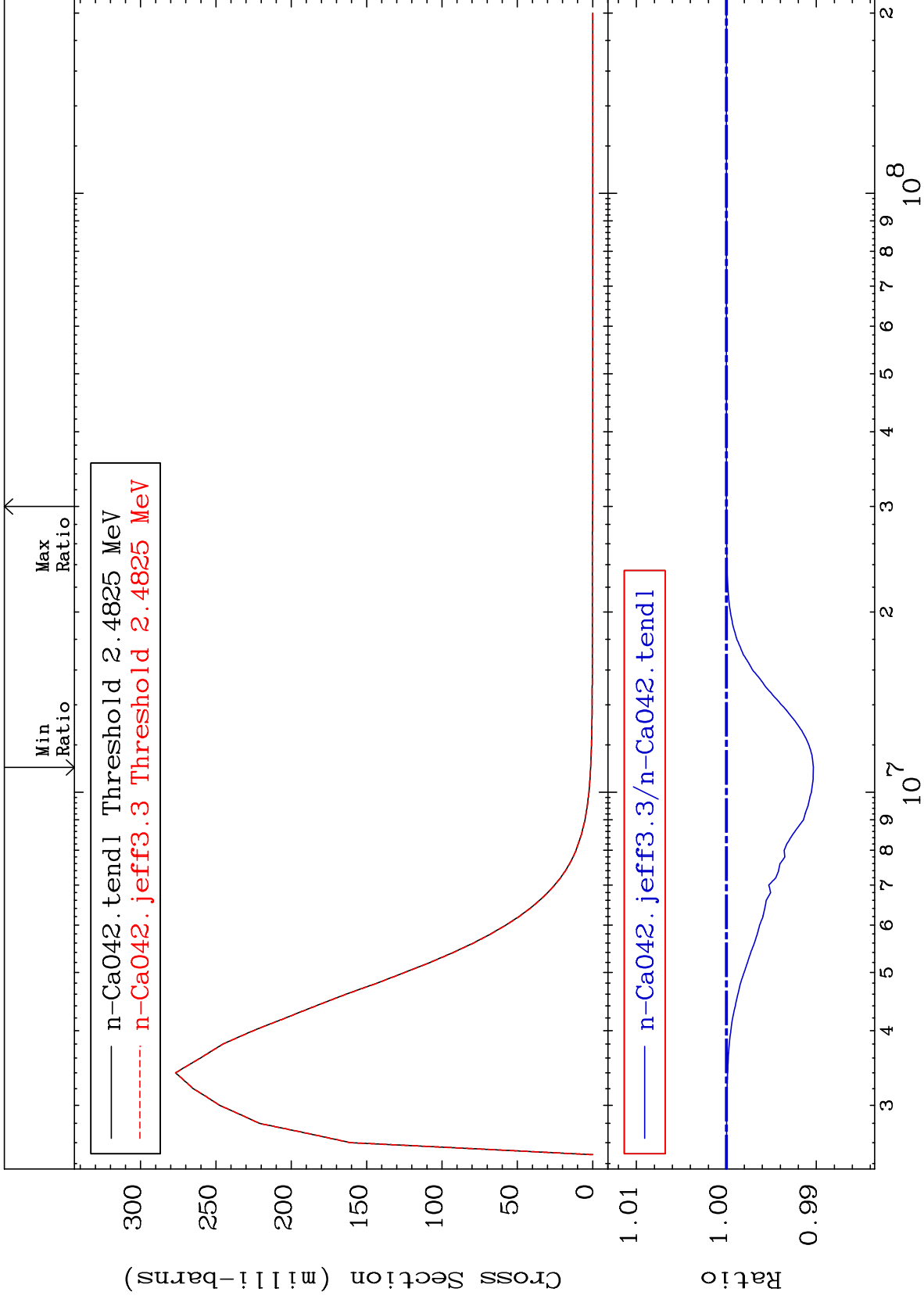
20-Ca-42  
-2.498 To 0.000 %



MAT 2031

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

20-Ca-42  
-0.968 To 0.000 %



20

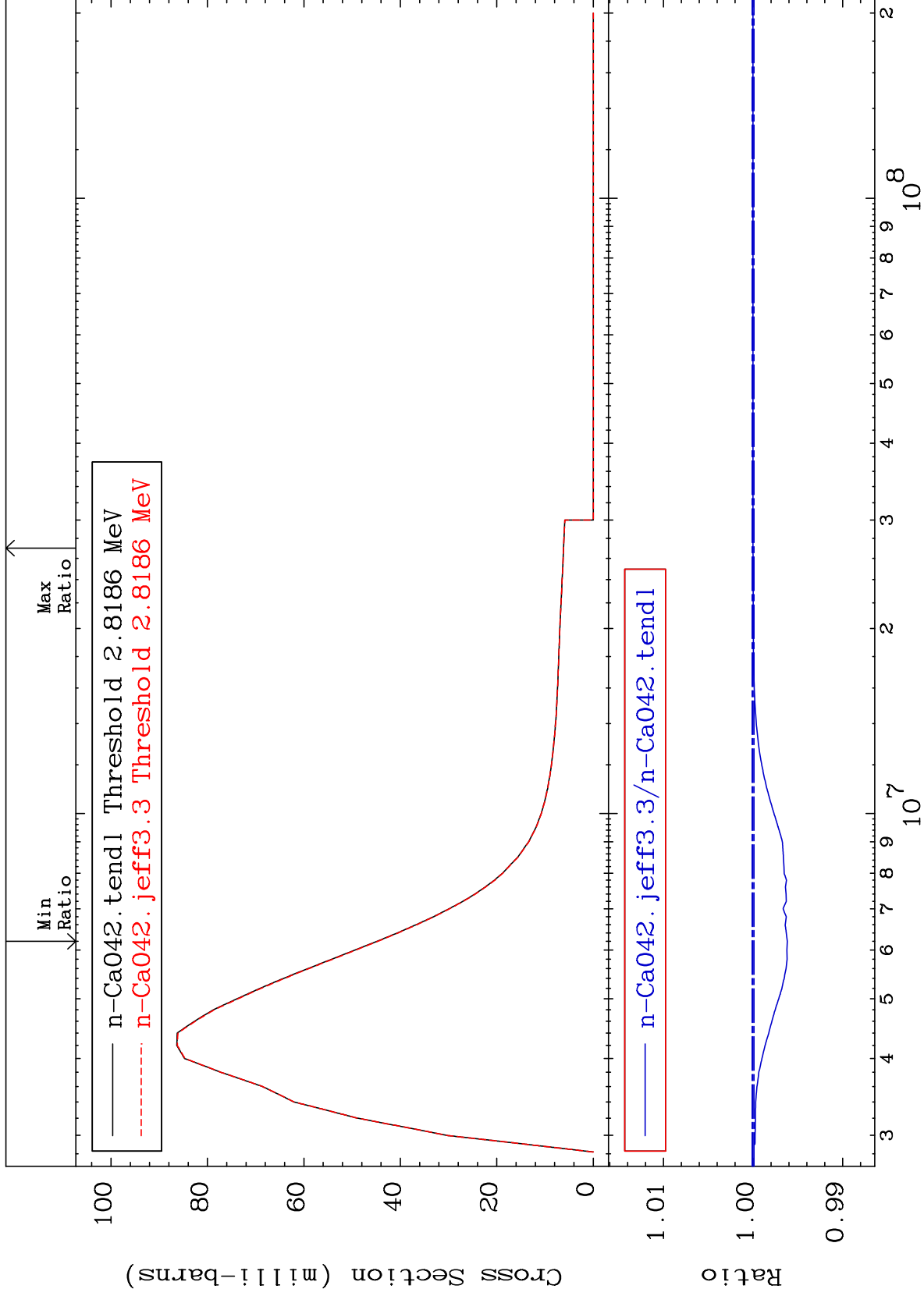
Incident Energy (eV)

20-Ca-42

MAT 2031

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

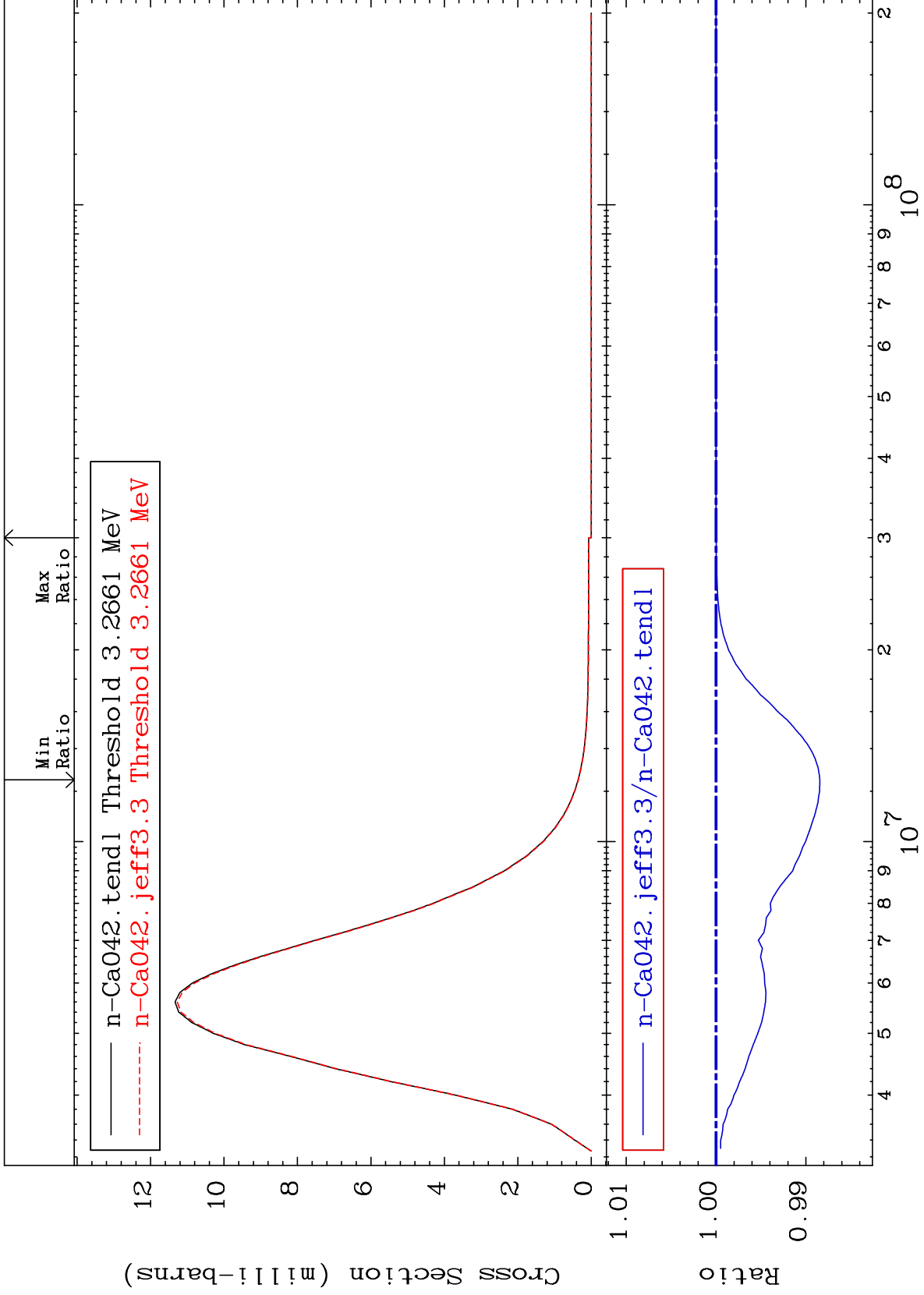
20-Ca-42  
-0.382 To 0.000 %



MAT 2031

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

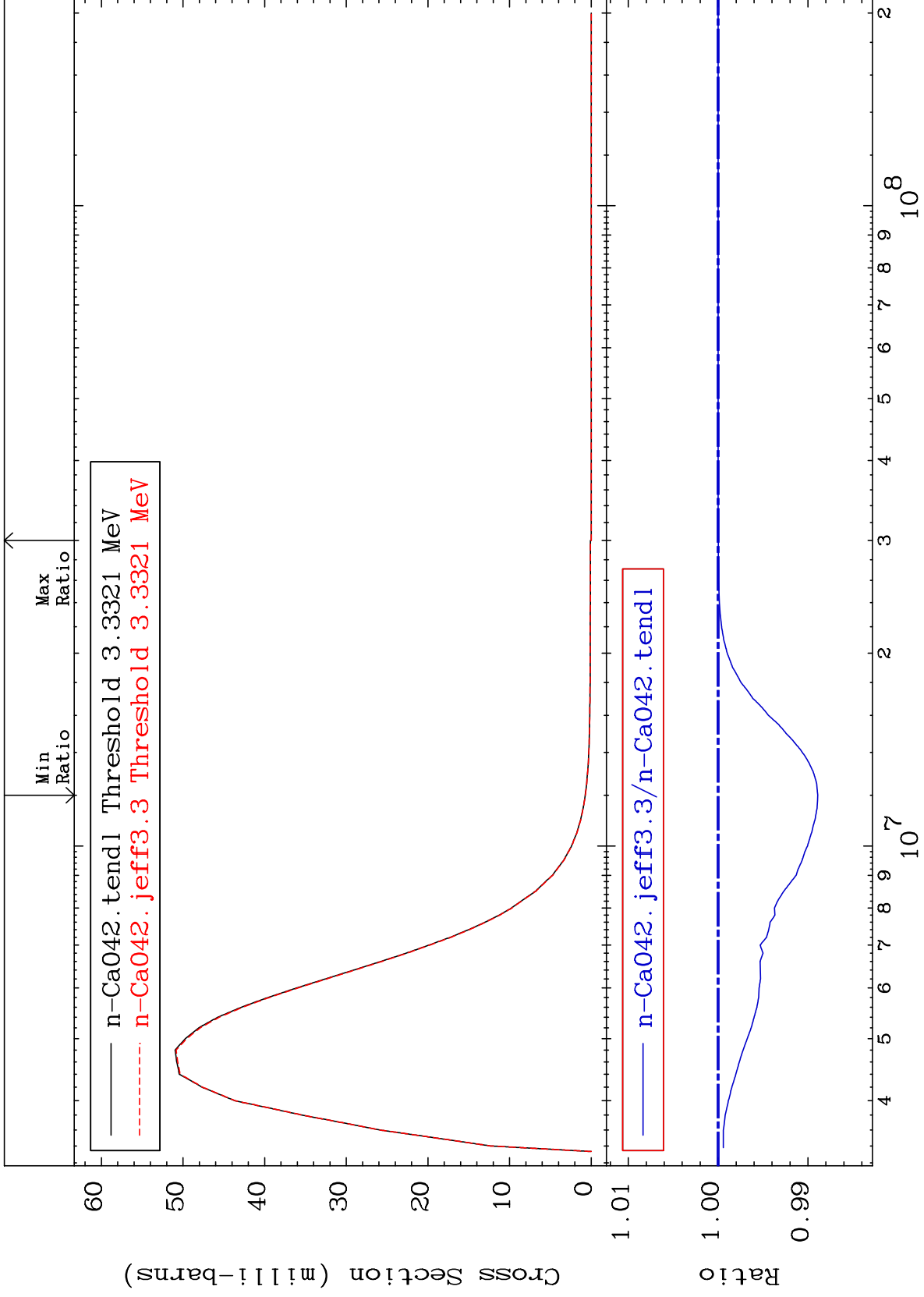
20-Ca-42  
-1.155 To 0.000 %



MAT 2031

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

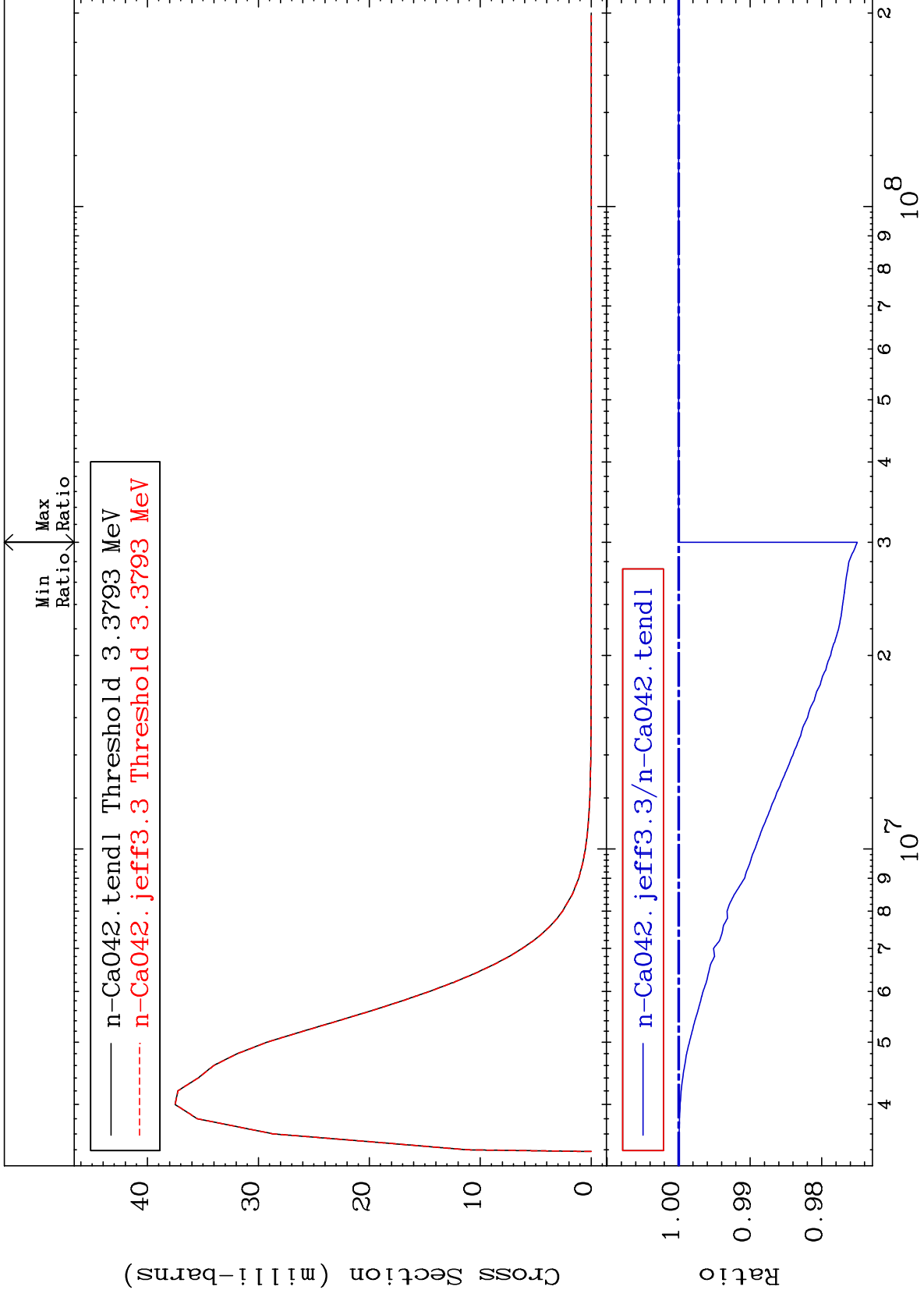
20-Ca-42  
-1.109 To 0.000 %



MAT 2031

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

20-Ca-42  
-2.497 To 0.000 %

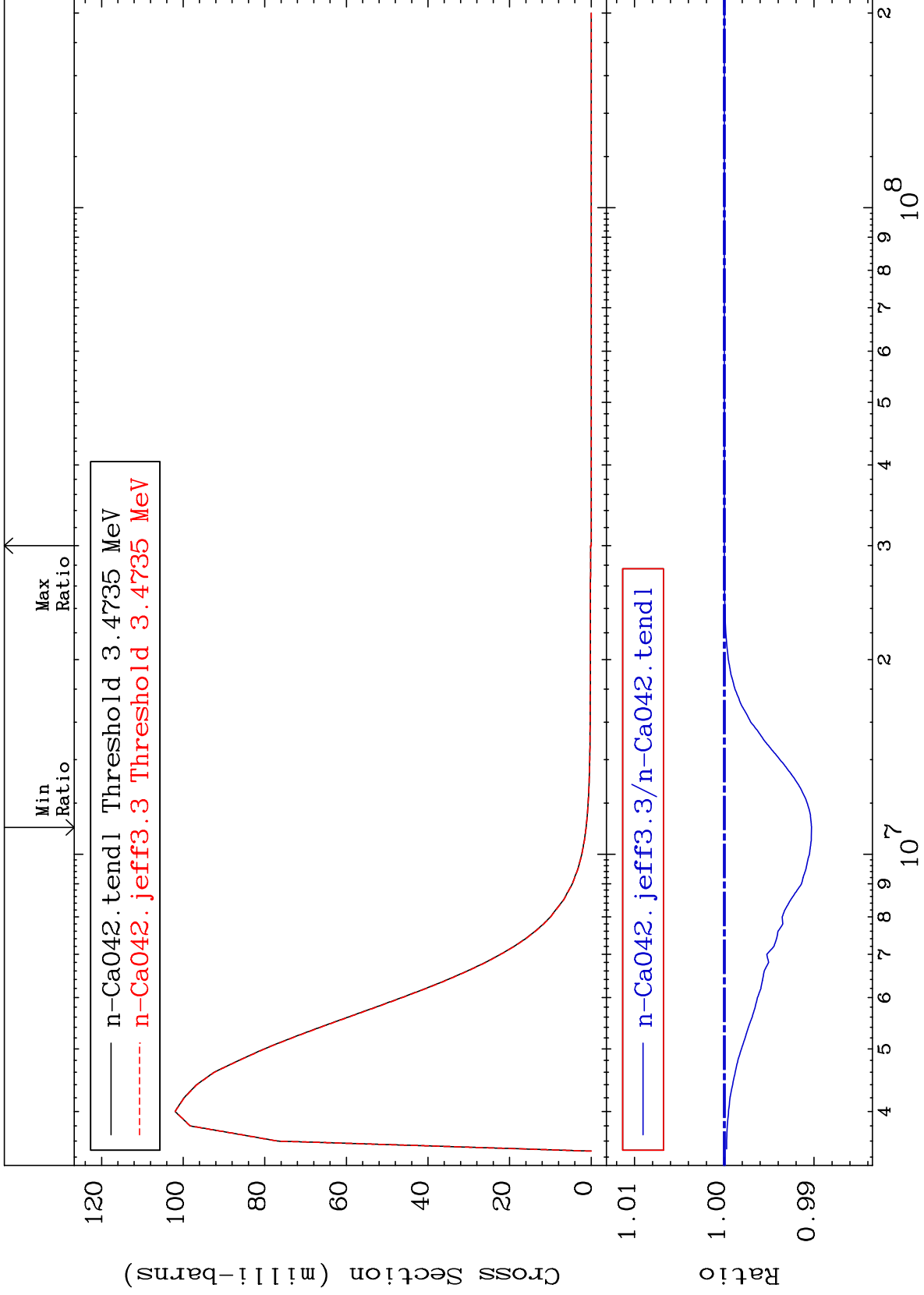




MAT 2031

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

20-Ca-42  
-0.972 To 0.000 %



25

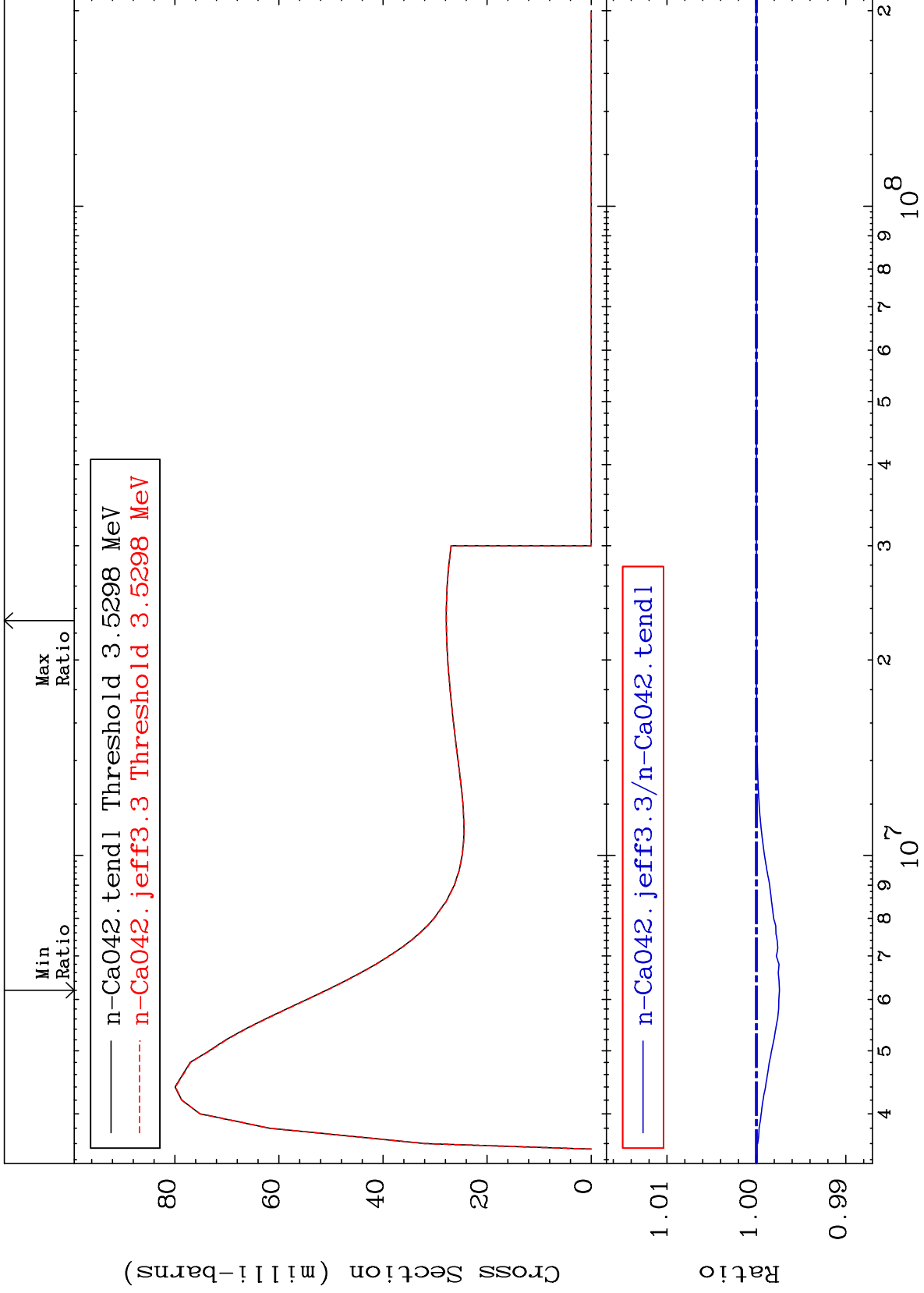
Incident Energy (eV)

20-Ca-42

MAT 2031

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

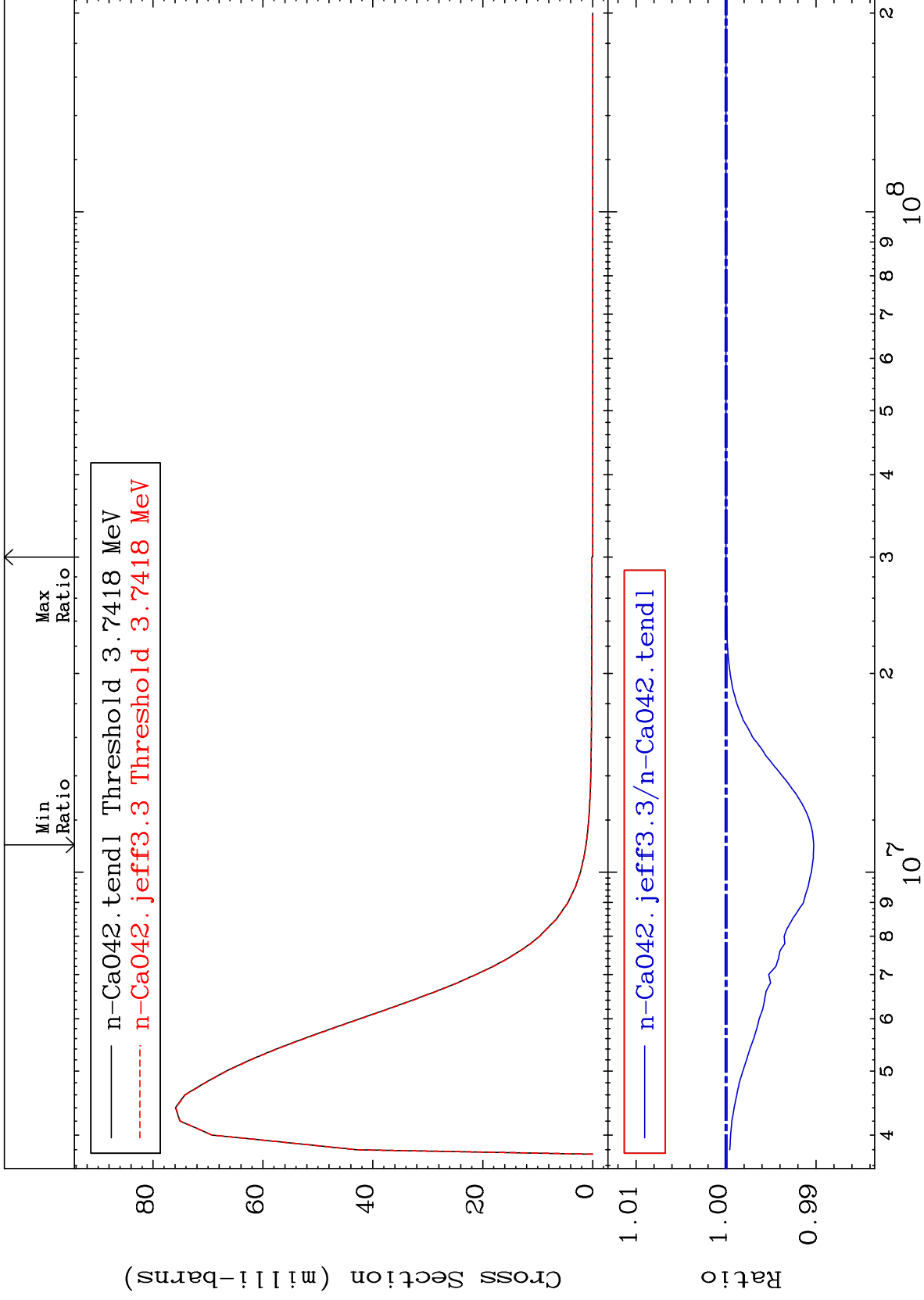
20-Ca-42  
-0.259 To 0.000 %



MAT 2031

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

20-Ca-42  
-0.975 To 0.000 %



27

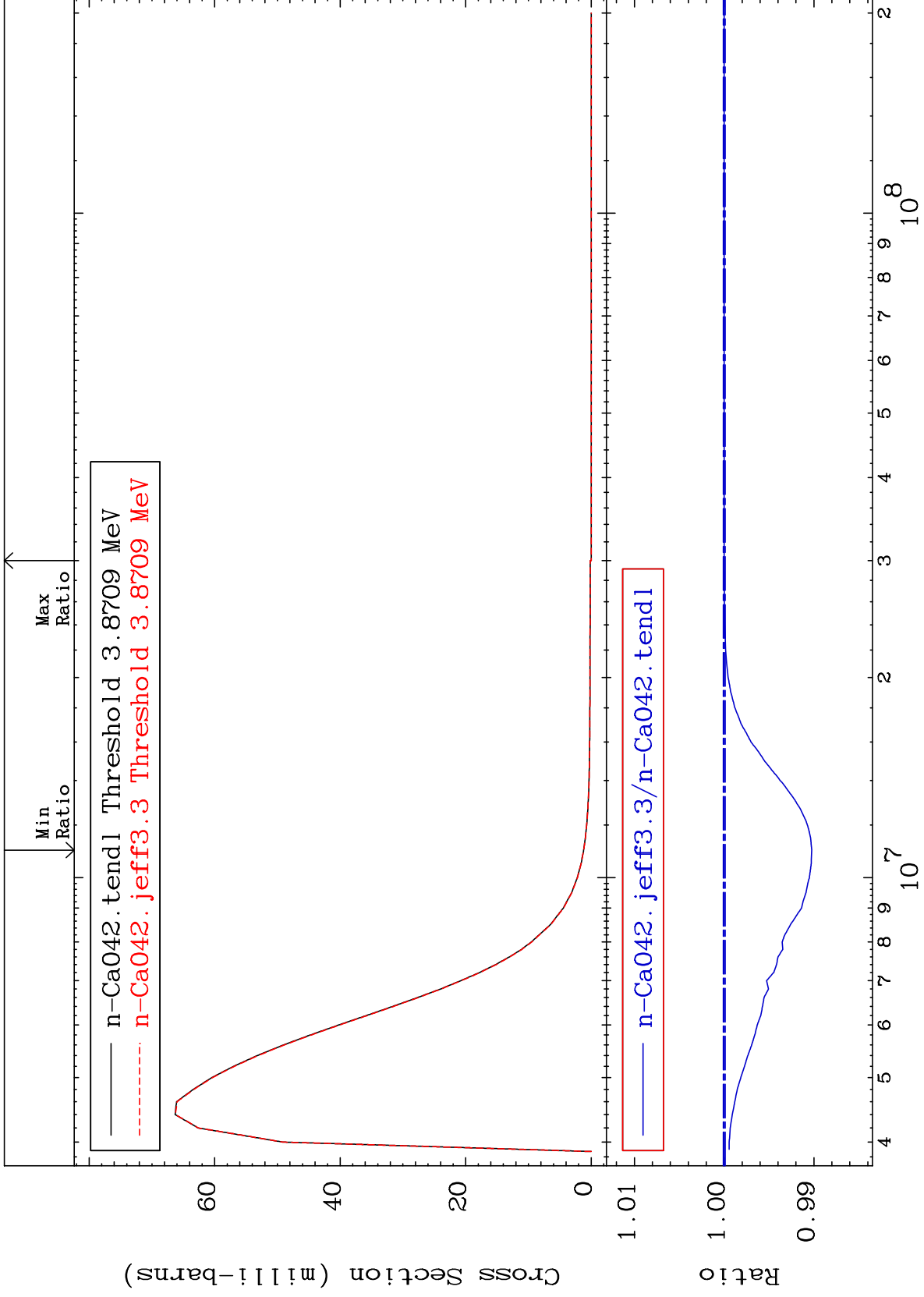
Incident Energy (eV)

20-Ca-42

MAT 2031

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

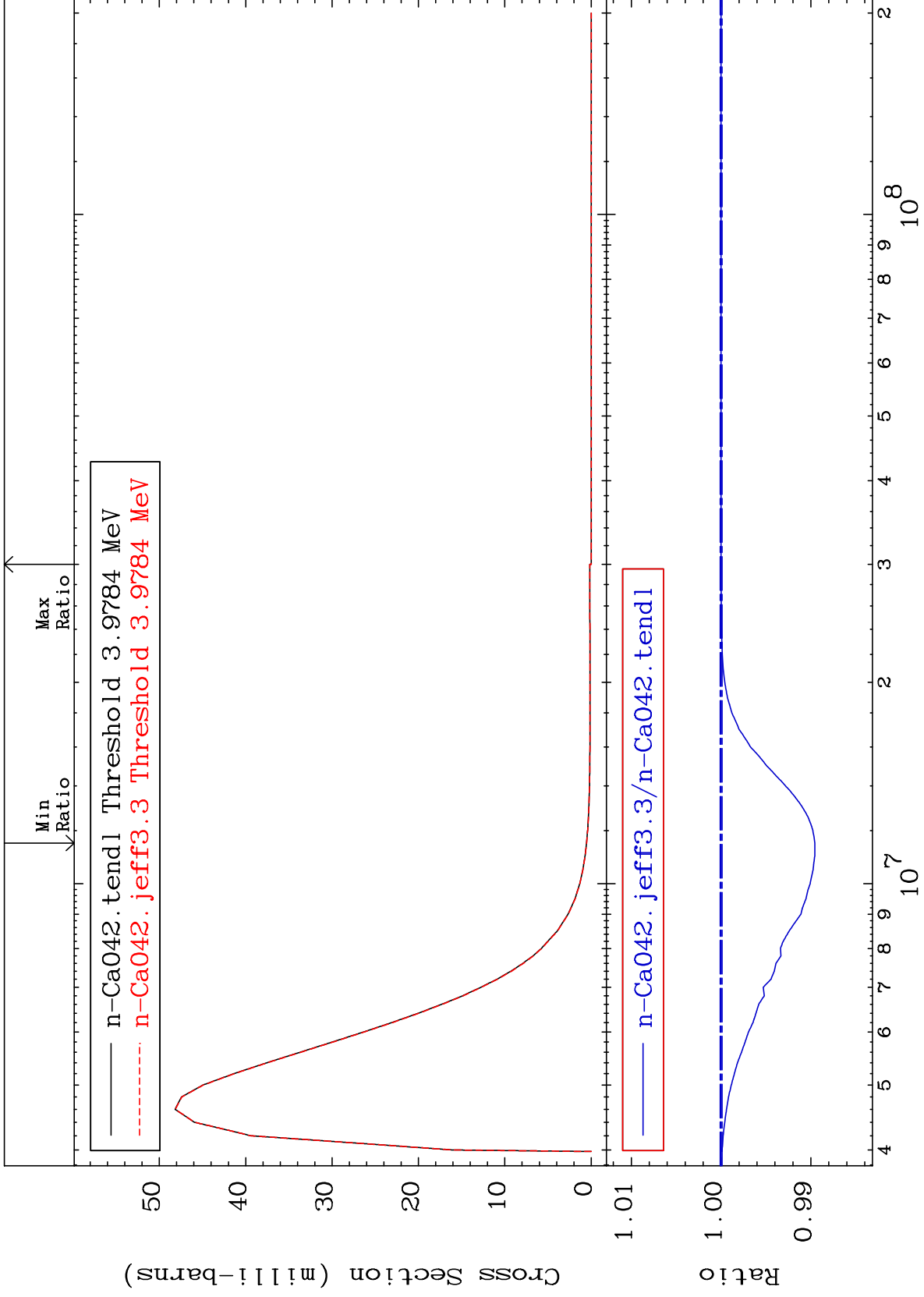
20-Ca-42  
-0.975 To 0.000 %



MAT 2031

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

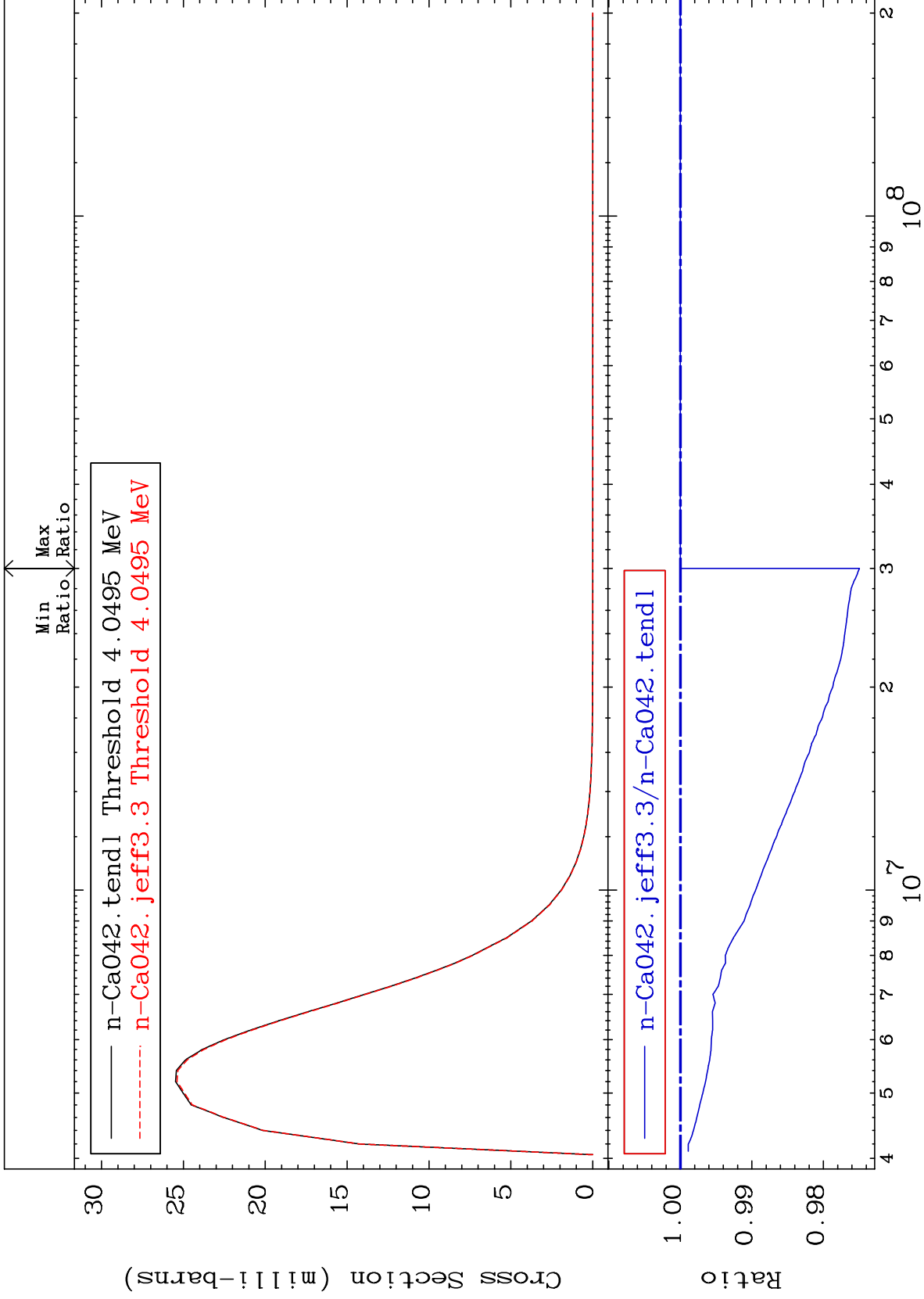
20-Ca-42  
-1.044 To 0.000 %



MAT 2031

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

20-Ca-42  
-2.504 To 0.000 %



30

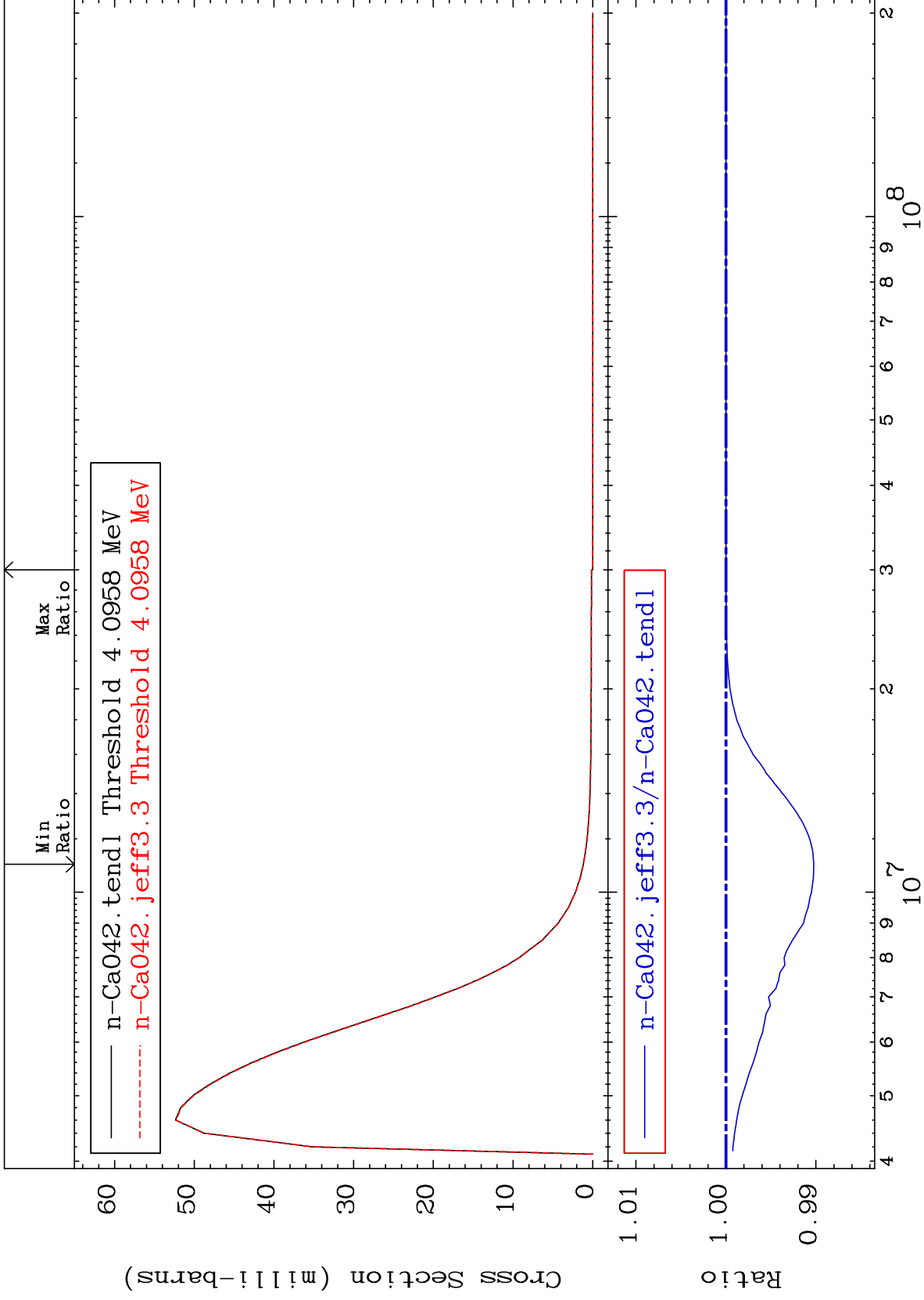
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42  
-0.977 To 0.000 %



31

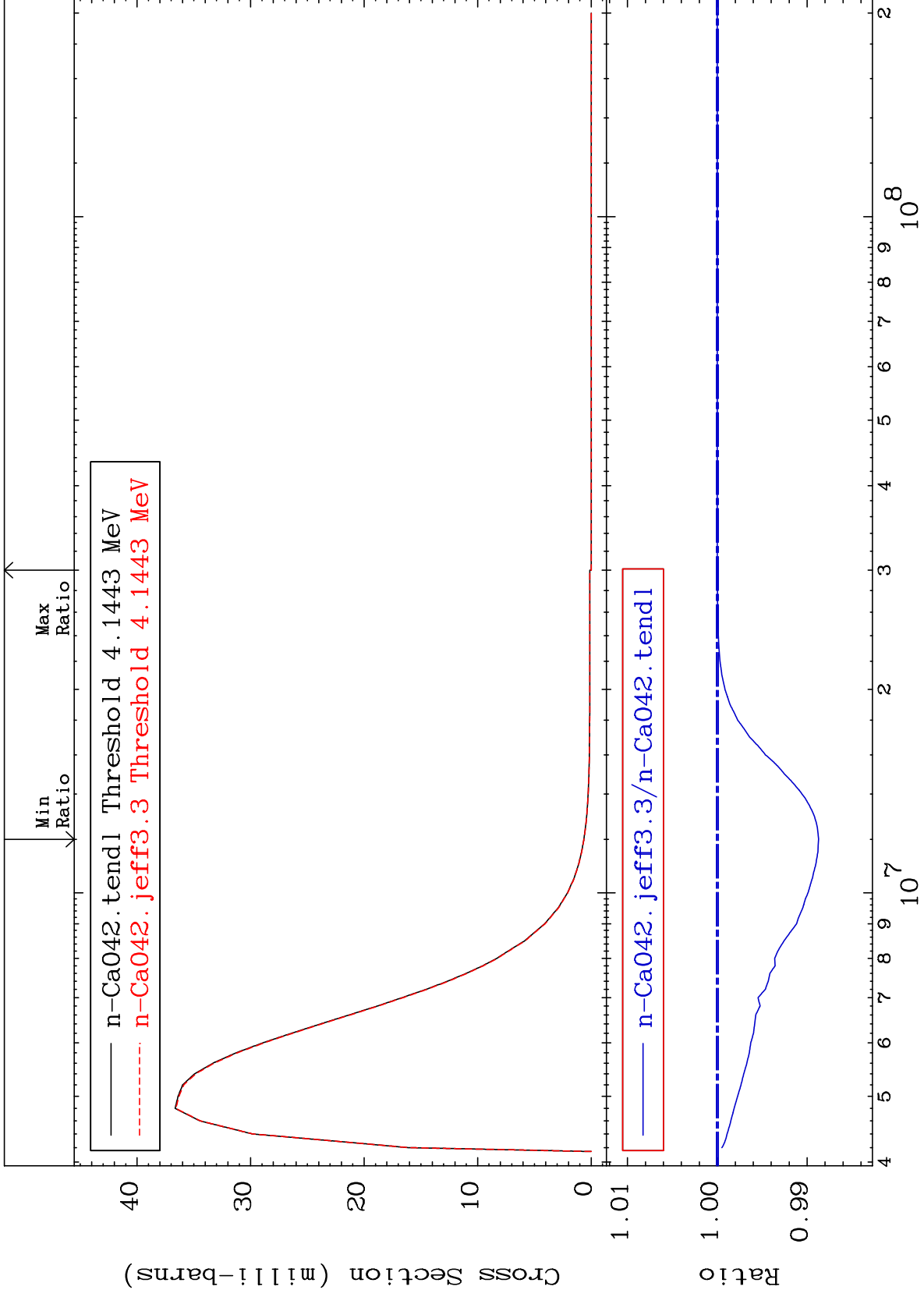
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42  
-1.127 To 0.000 %

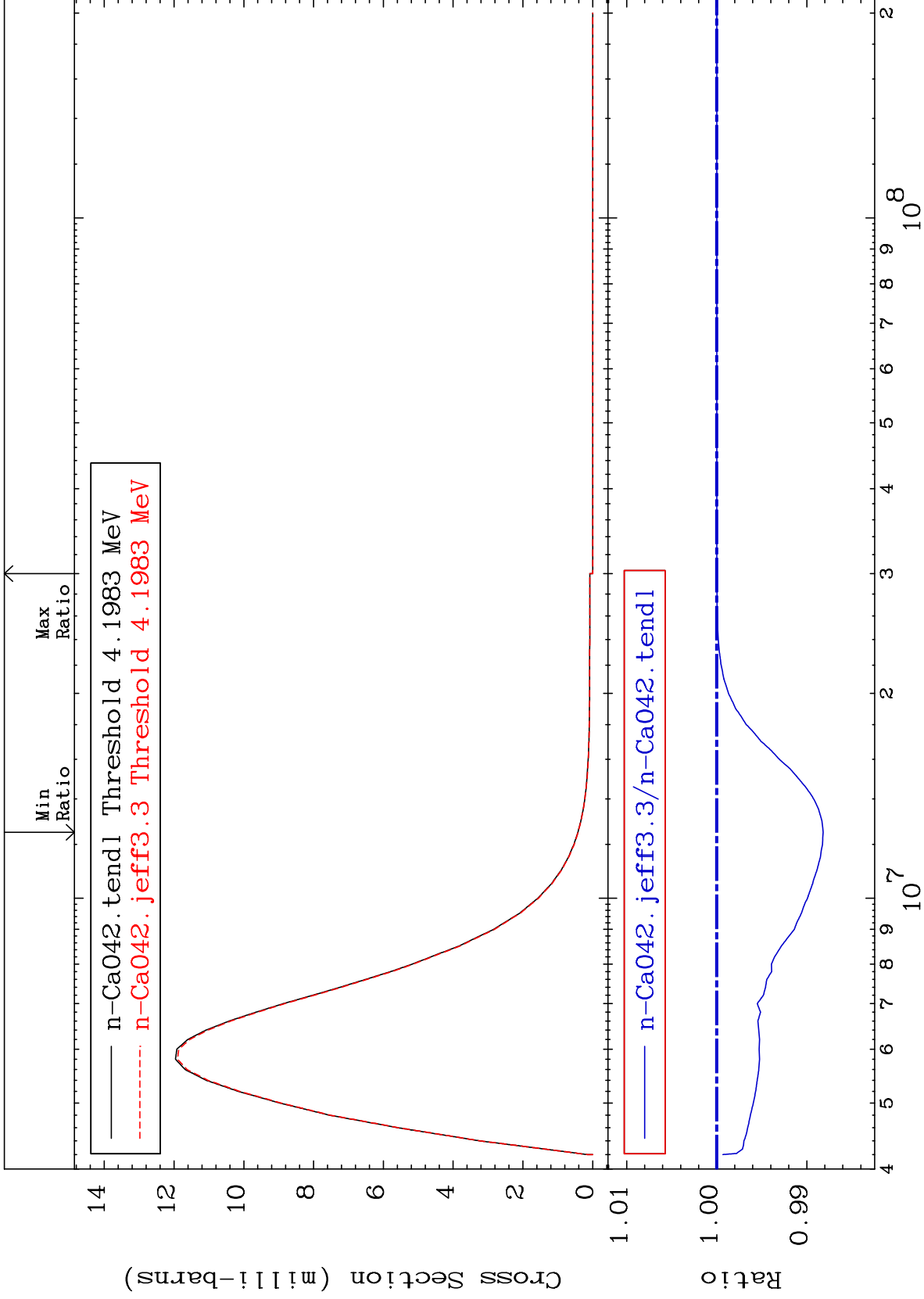




MAT 2031

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

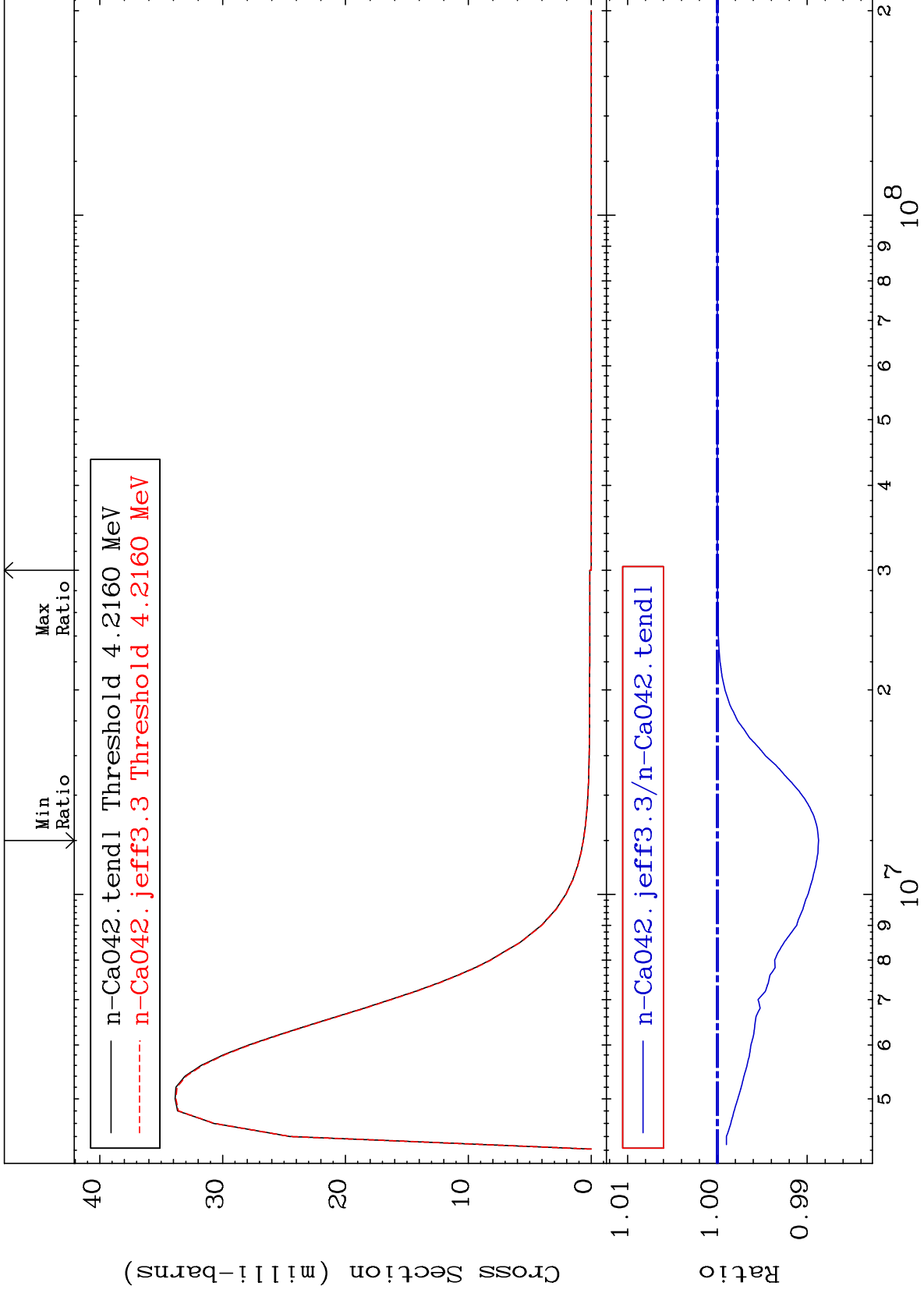
20-Ca-42  
-1.181 To 0.000 %



MAT 2031

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

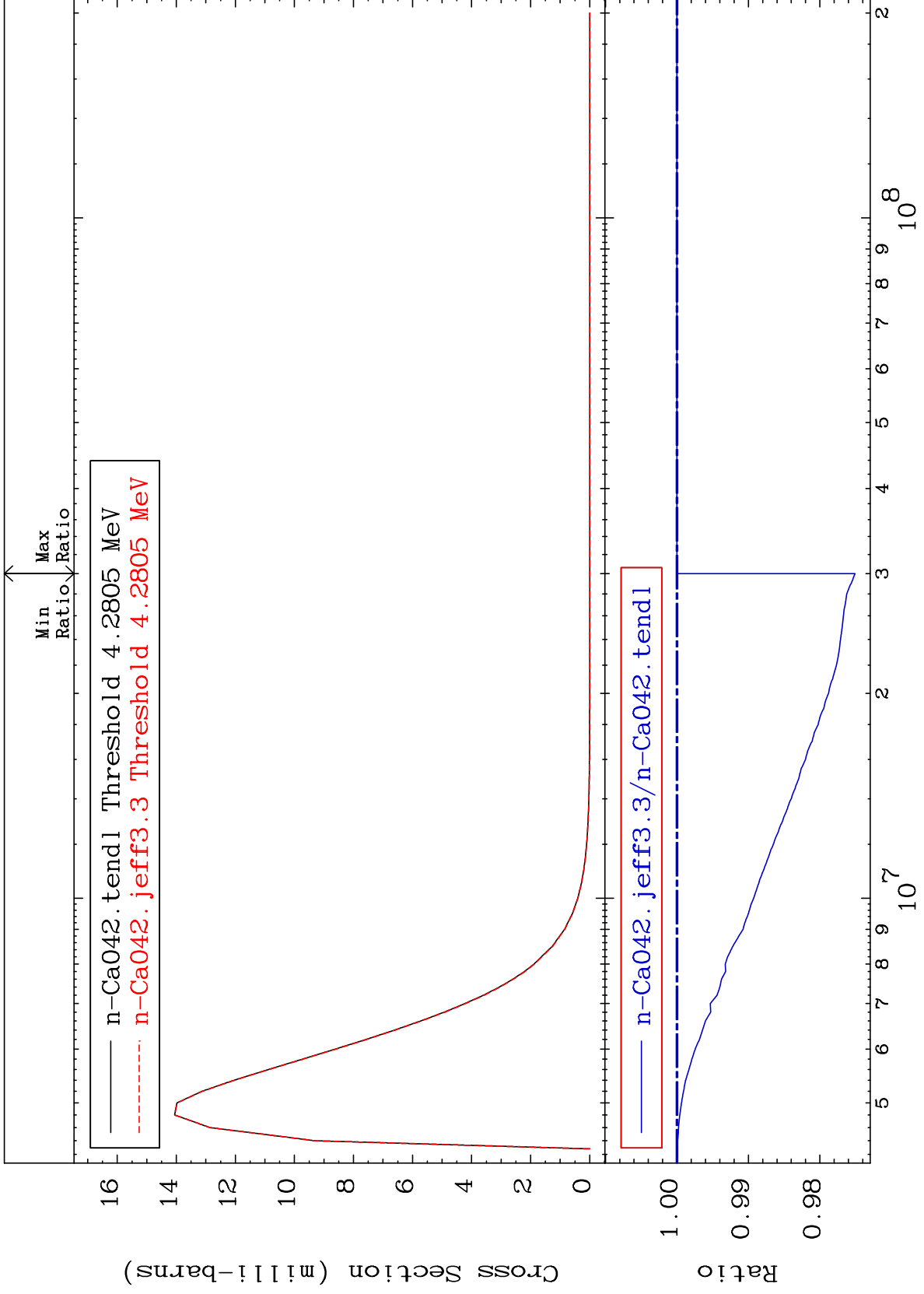
20-Ca-42  
-1.126 To 0.000 %



MAT 2031

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

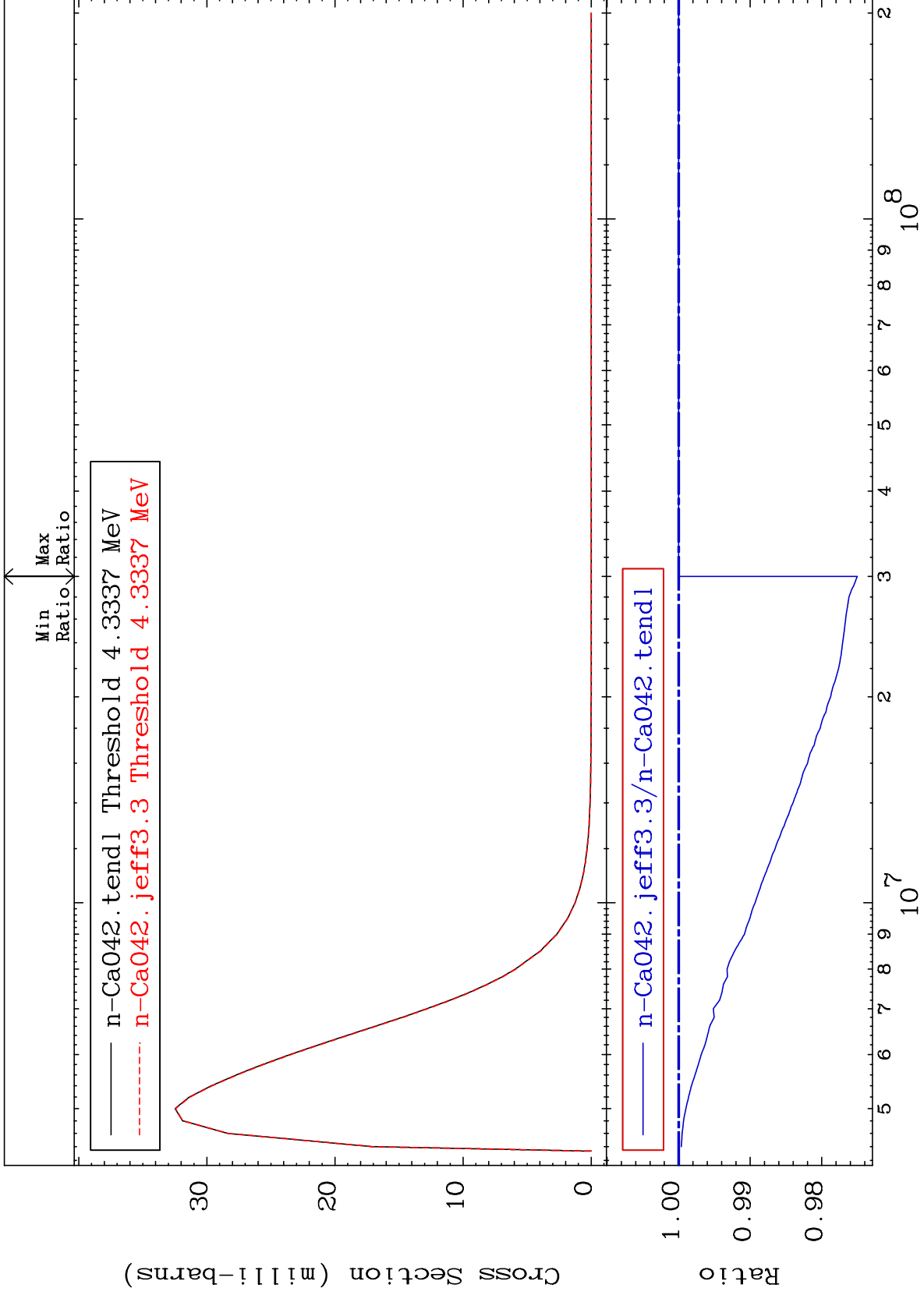
20-Ca-42  
-2.493 To 0.000 %



MAT 2031

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

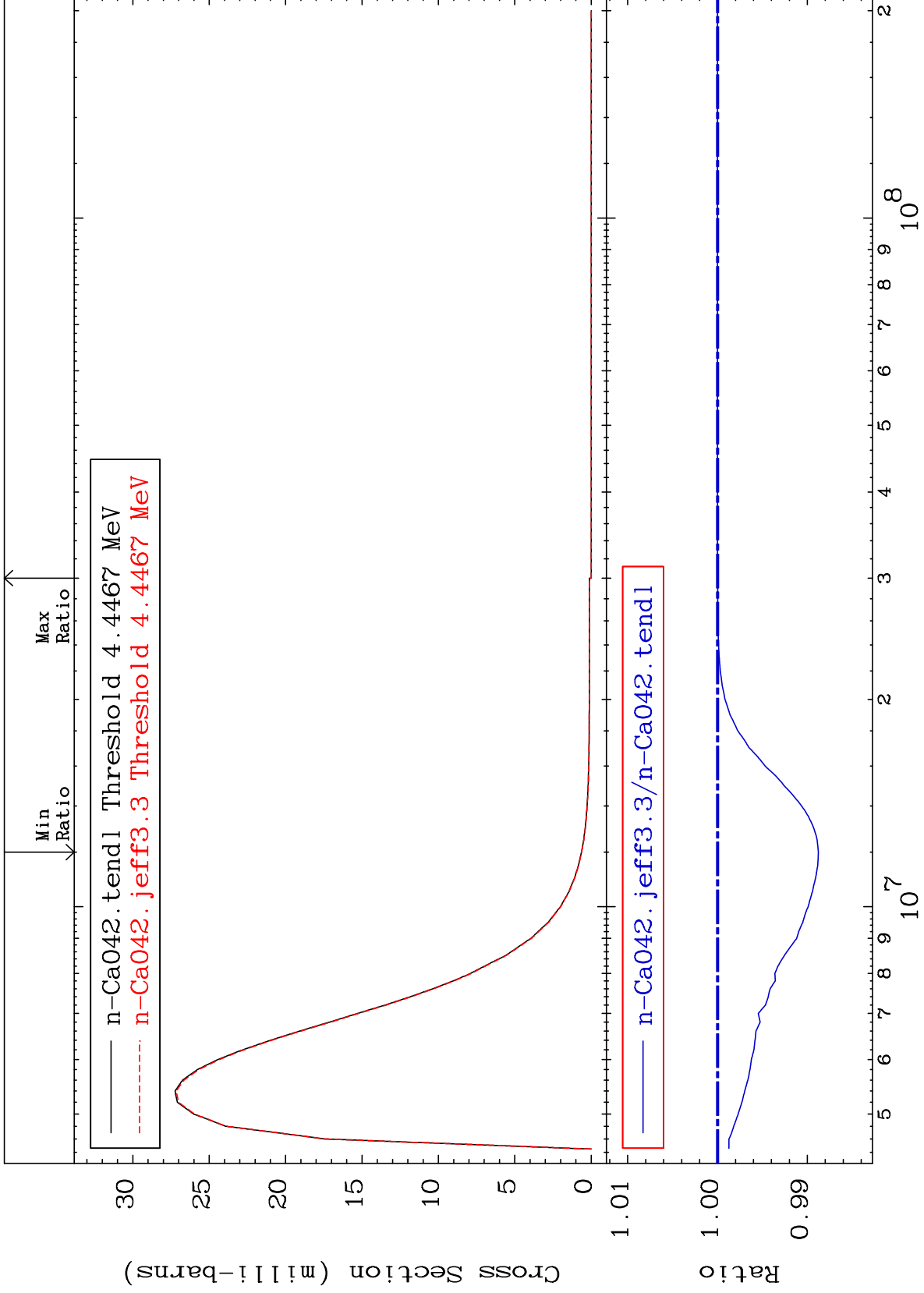
20-Ca-42  
-2.496 To 0.000 %



MAT 2031

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

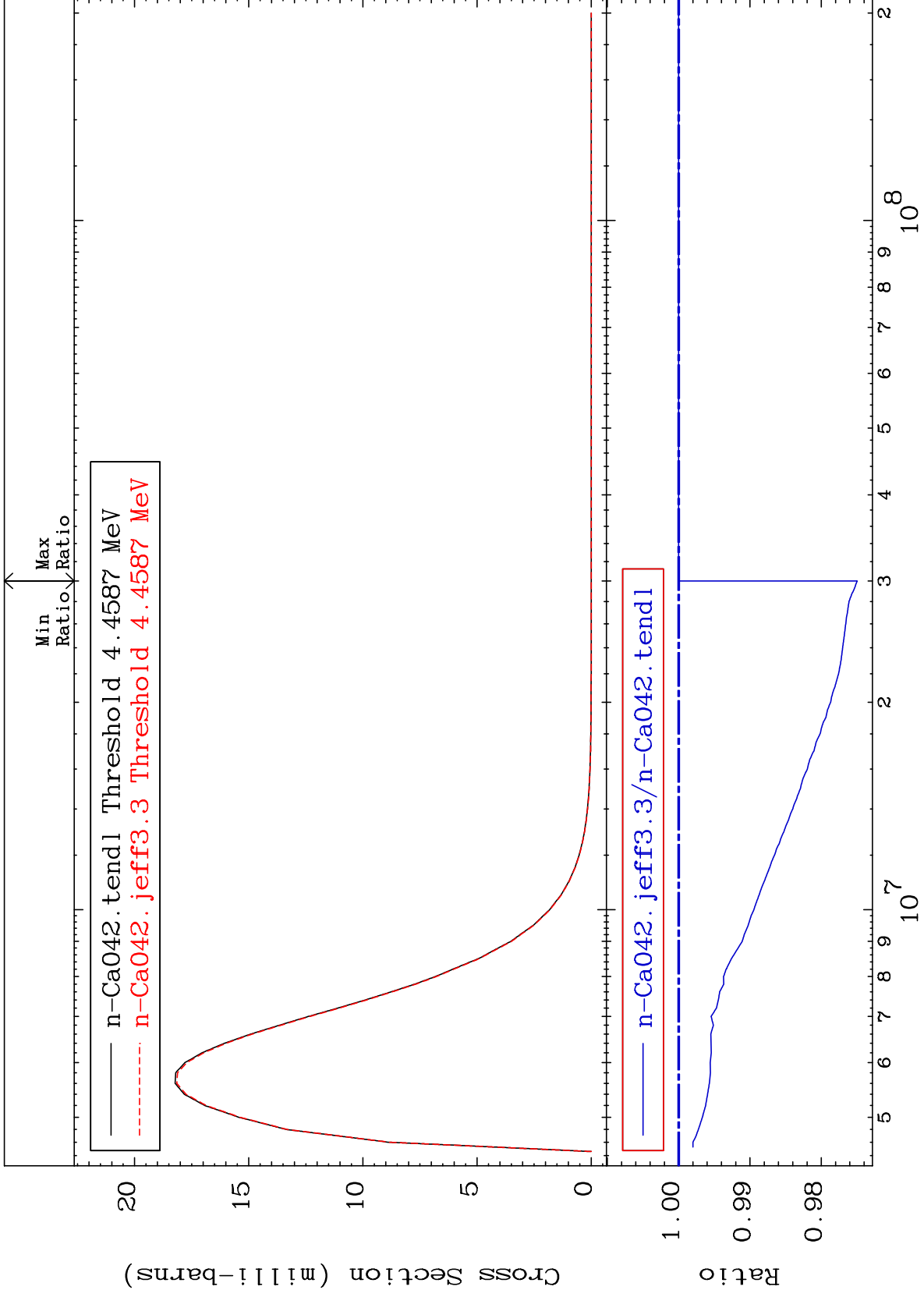
20-Ca-42  
-1.122 To 0.000 %



MAT 2031

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

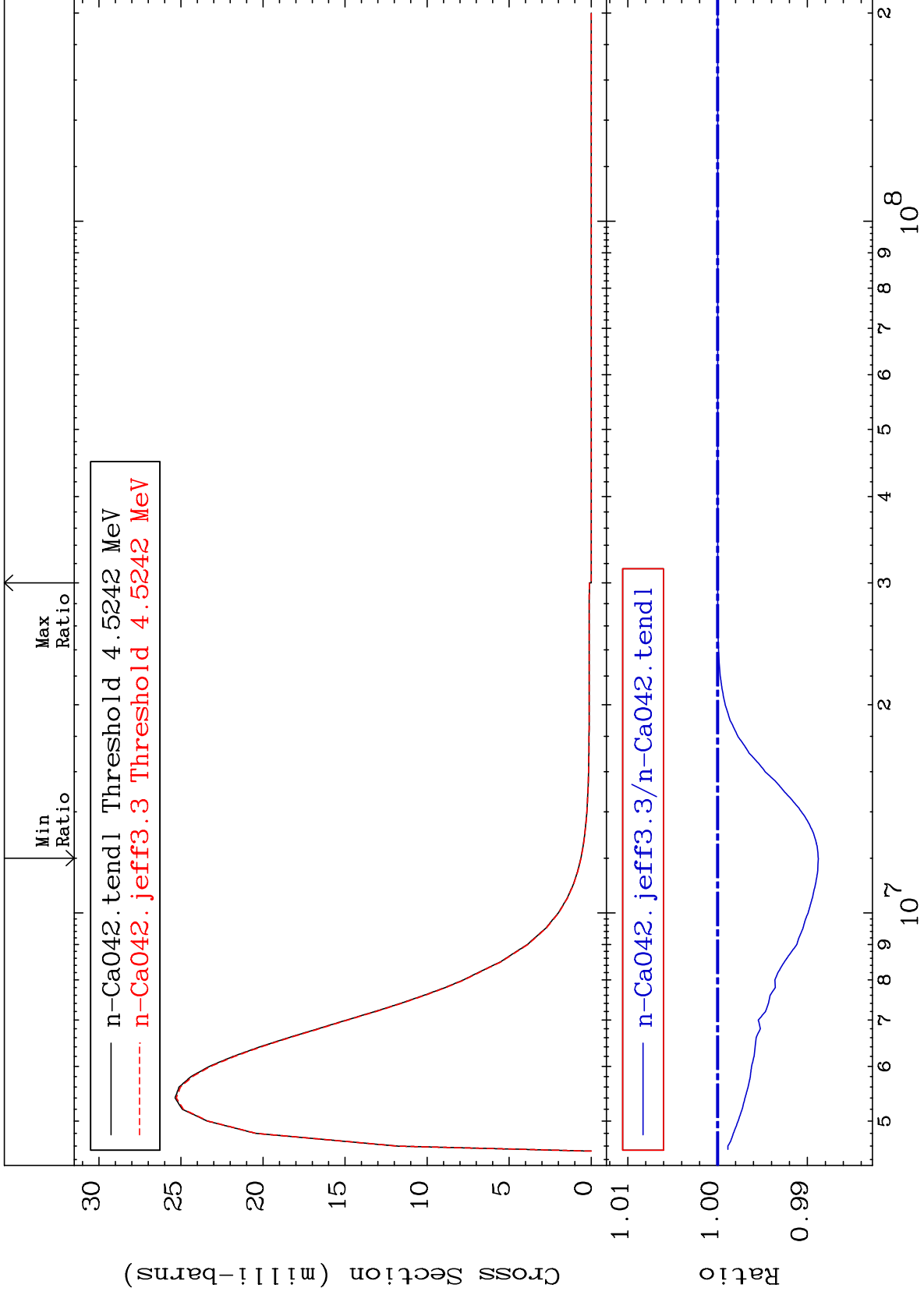
20-Ca-42  
-2.504 To 0.000 %



MAT 2031

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

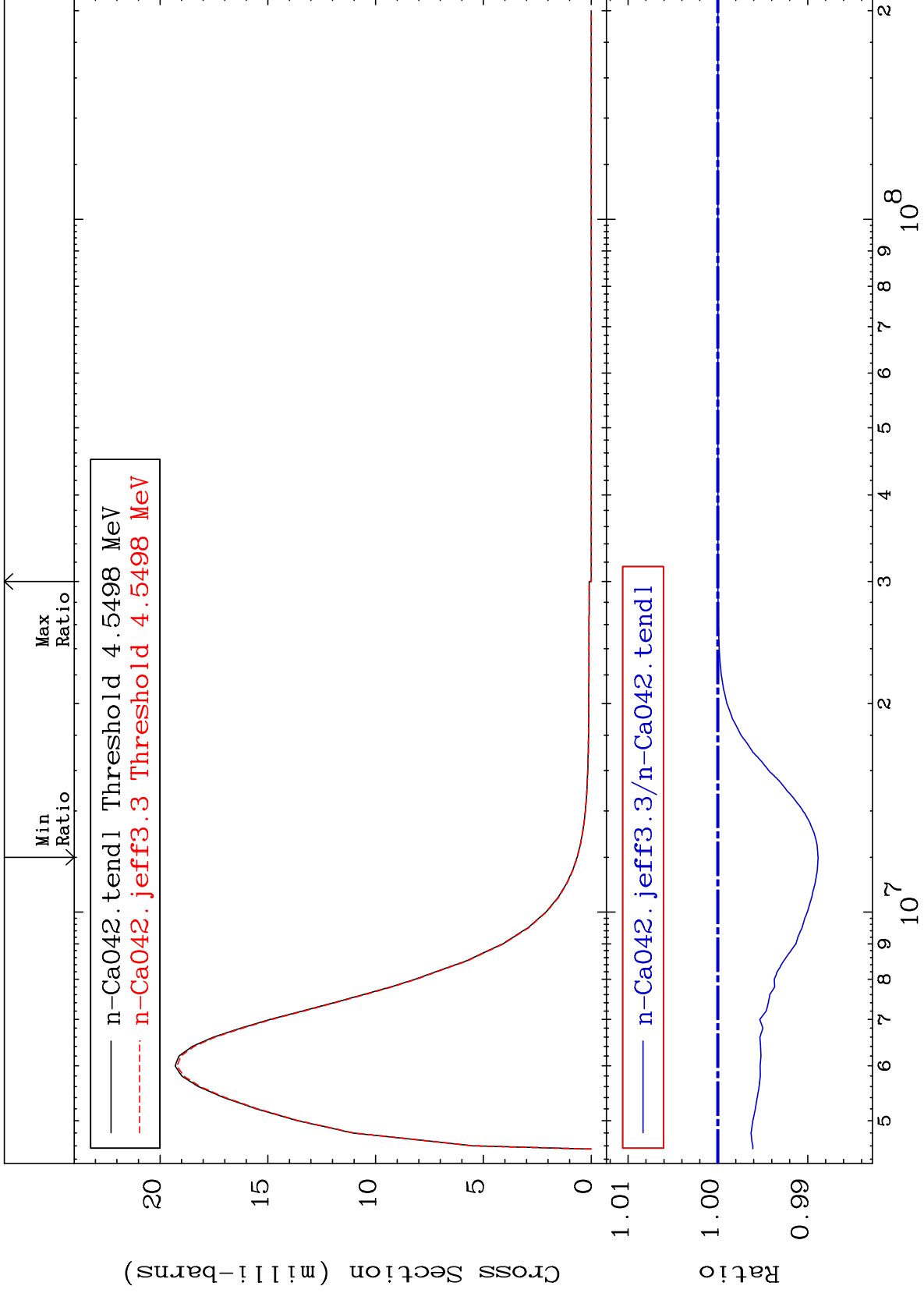
20-Ca-42  
-1.121 To 0.000 %



MAT 2031

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

20-Ca-42  
-1.116 To 0.000 %



40

Incident Energy (eV)

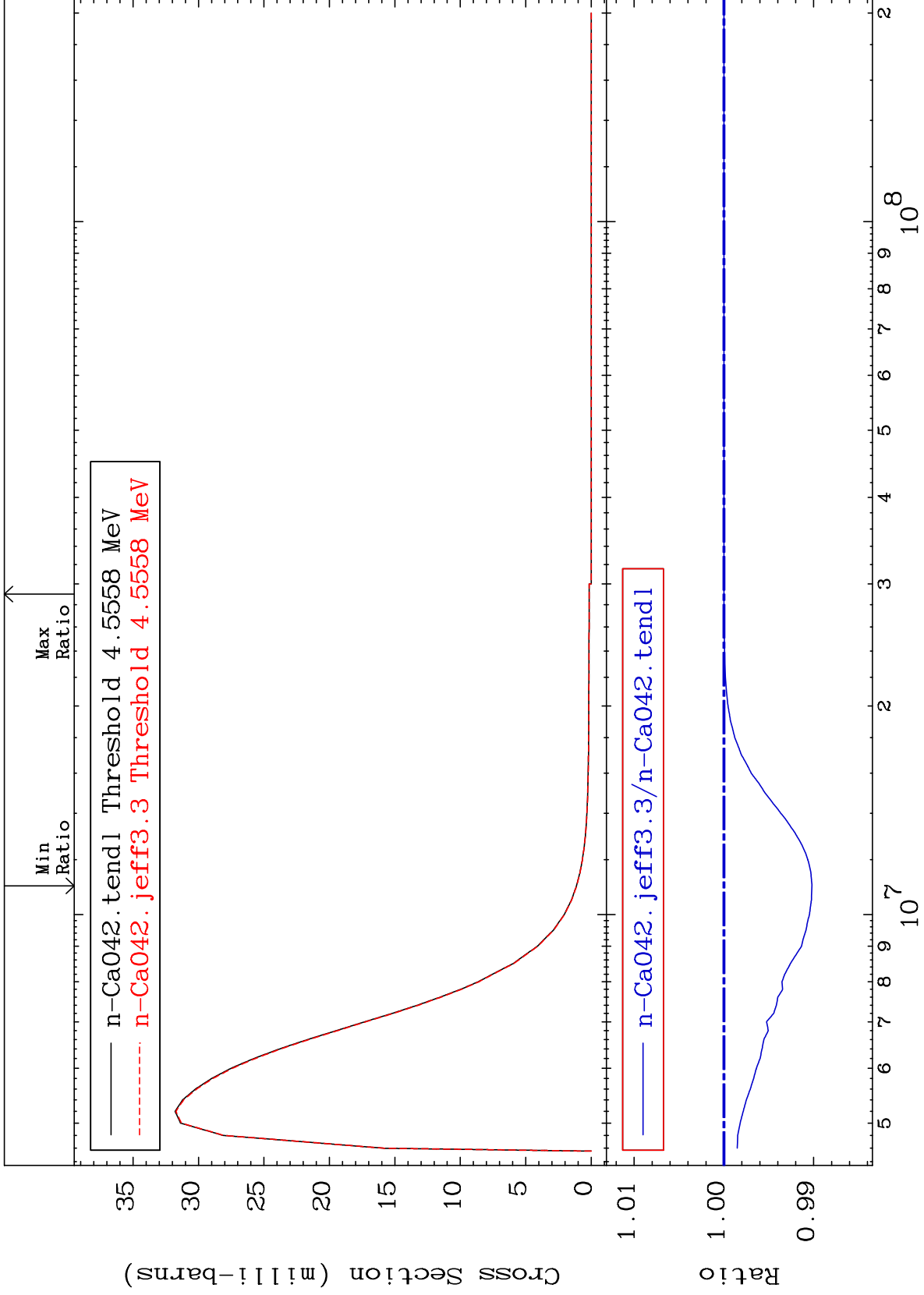
20-Ca-42



MAT 2031

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

20-Ca-42  
-0.981 To 0.000 %



41

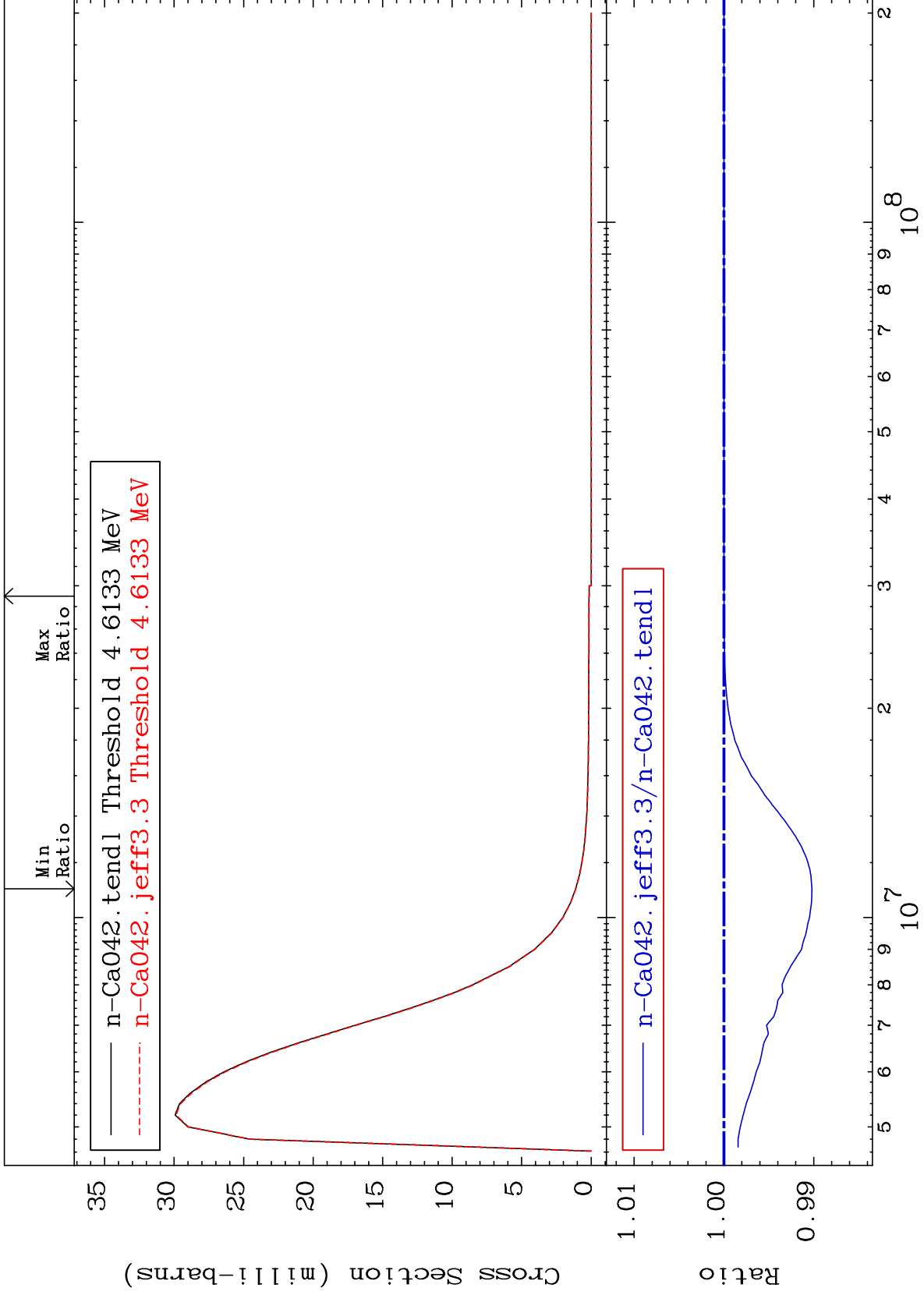
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42  
-0.981 To 0.000 %



42

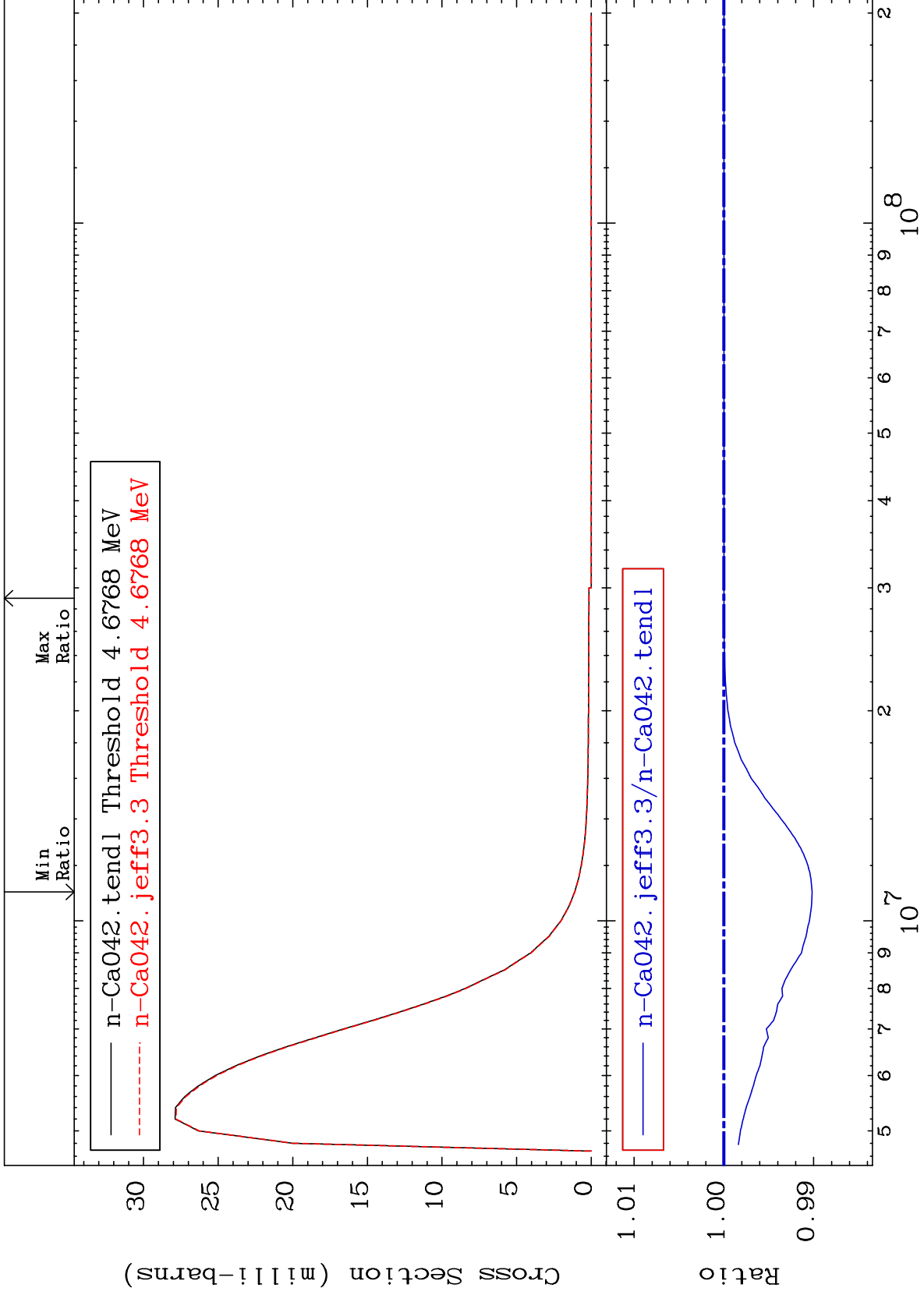
Incident Energy (eV)

20-Ca-42

MAT 2031

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

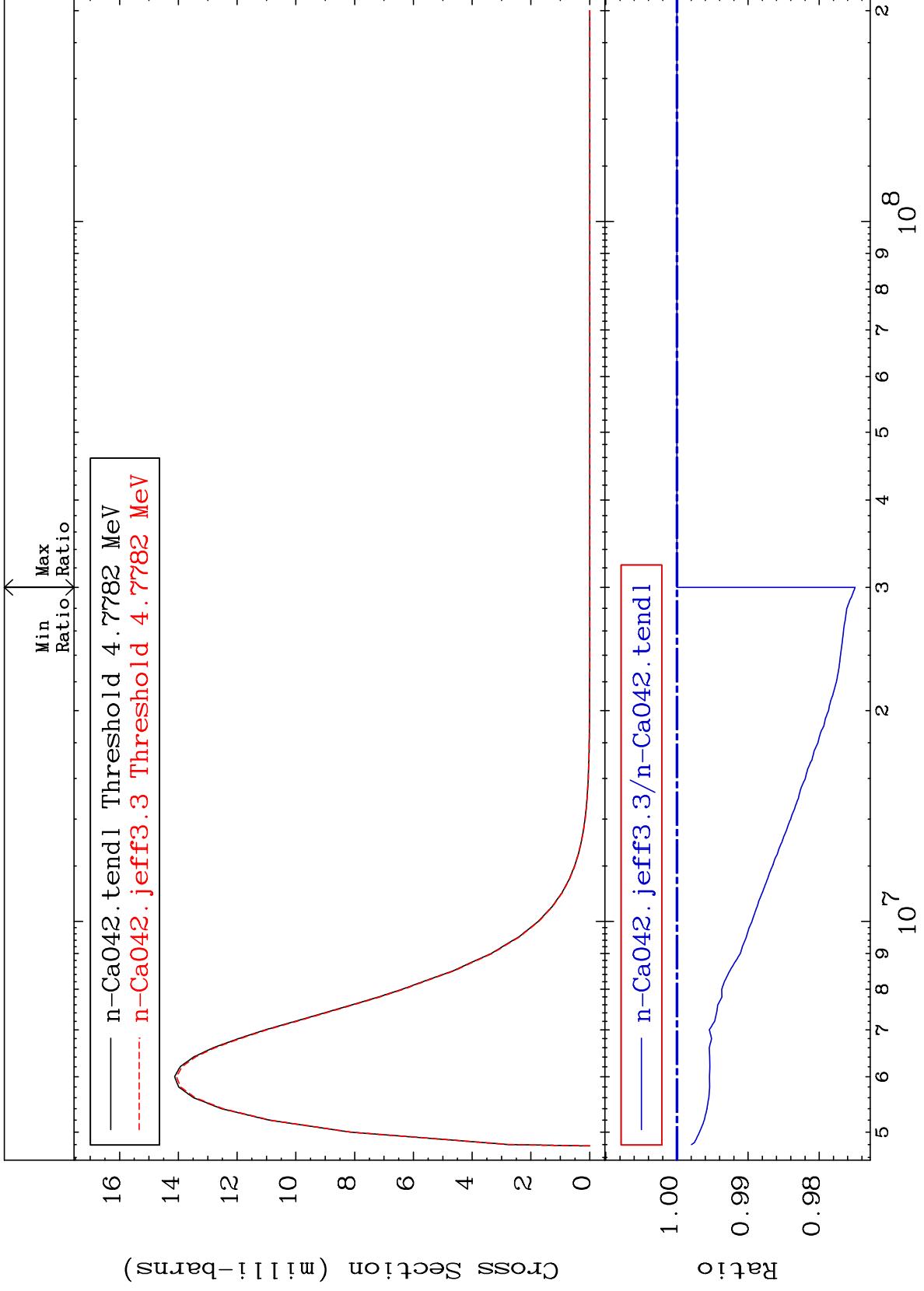
20-Ca-42  
-0.982 To 0.000 %



MAT 2031

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

20-Ca-42  
-2.504 To 0.000 %



44

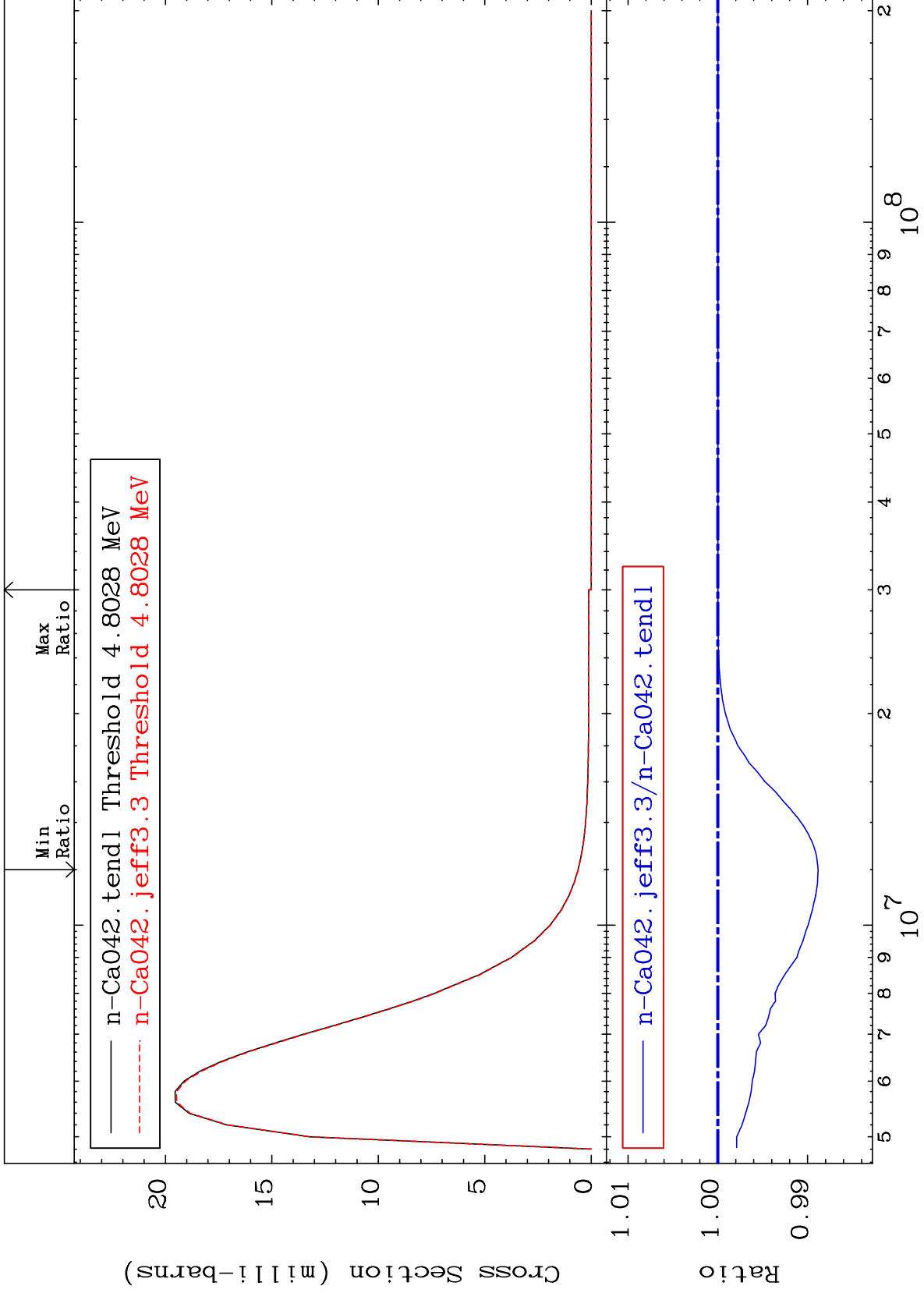
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42  
-1.116 To 0.000 %



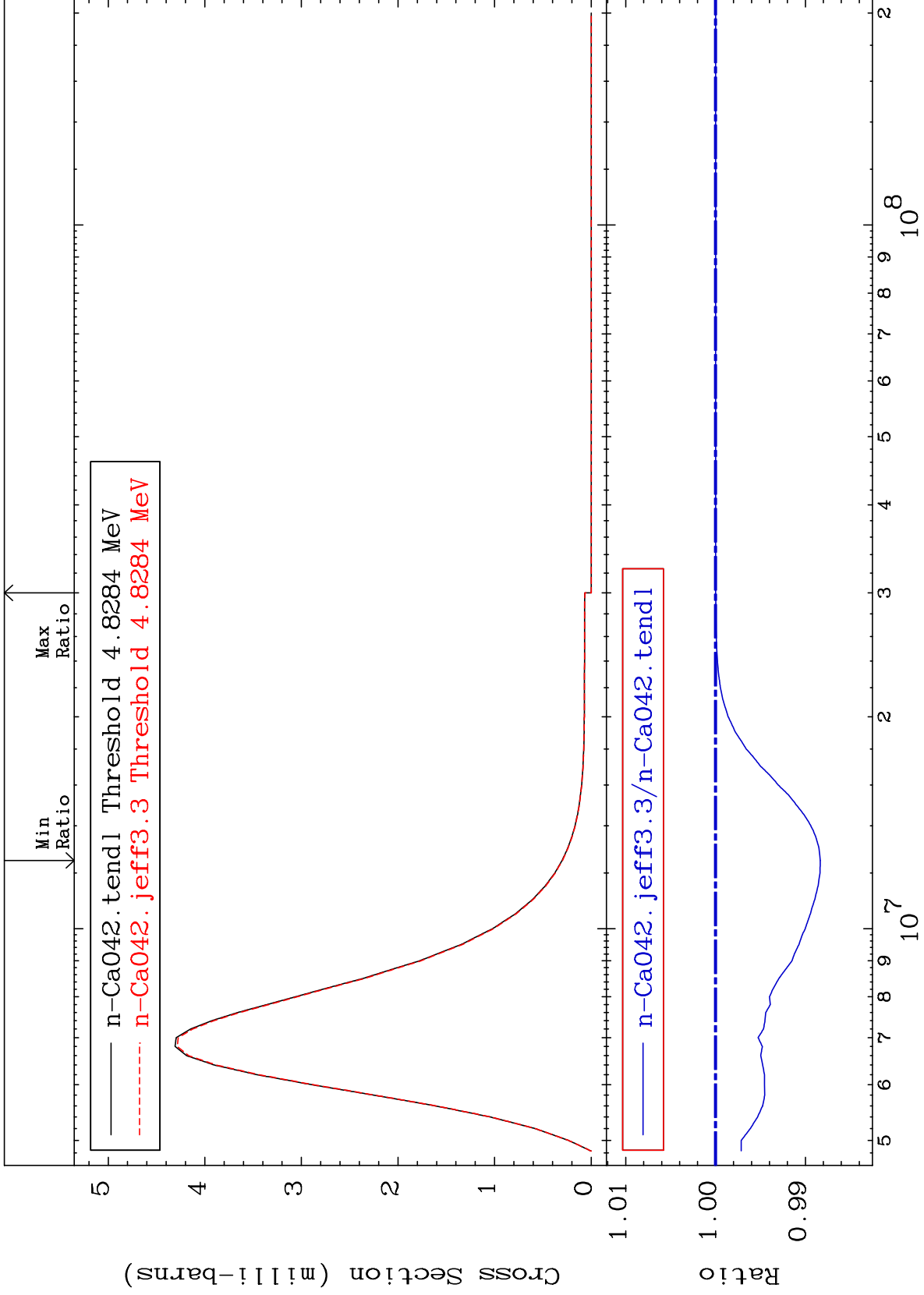
45

20-Ca-42

MAT 2031

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

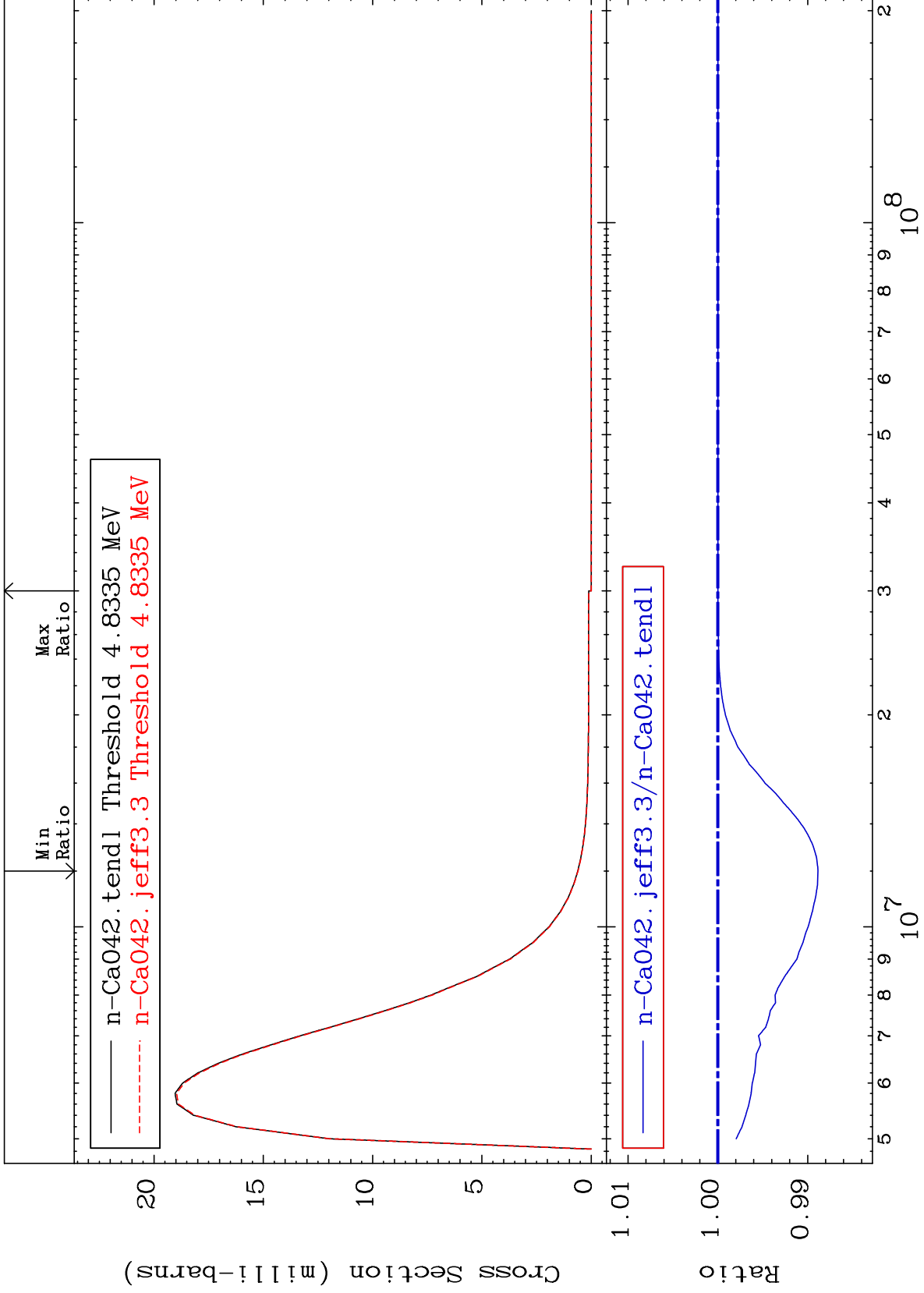
20-Ca-42  
-1.166 To 0.000 %



MAT 2031

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

20-Ca-42  
-1.116 To 0.000 %



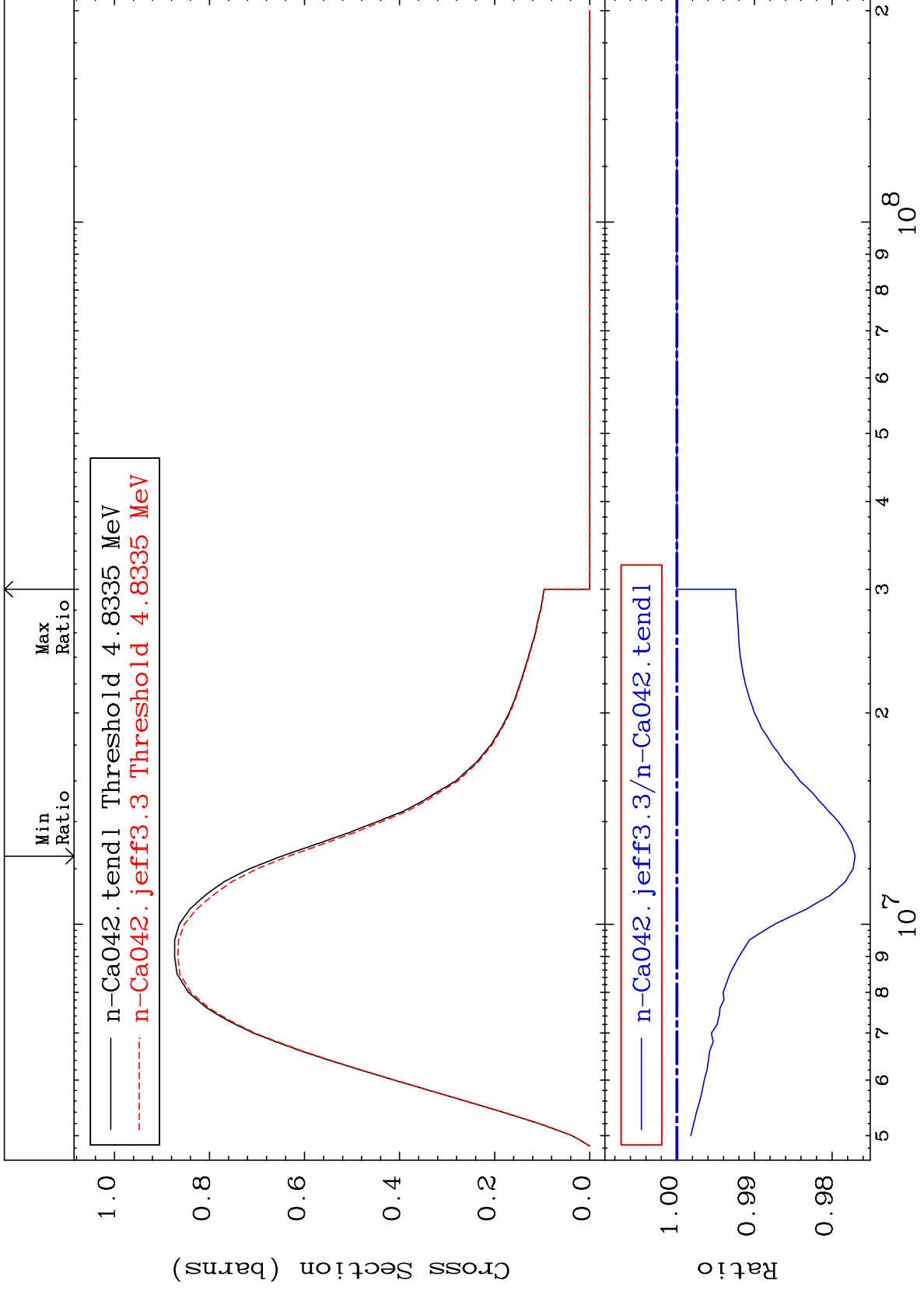
47

20-Ca-42

MAT 2031

(n, n') Continuum  
Cross Section

20-Ca-42  
-2.297 To 0.000 %



48

Incident Energy (eV)

20-Ca-42





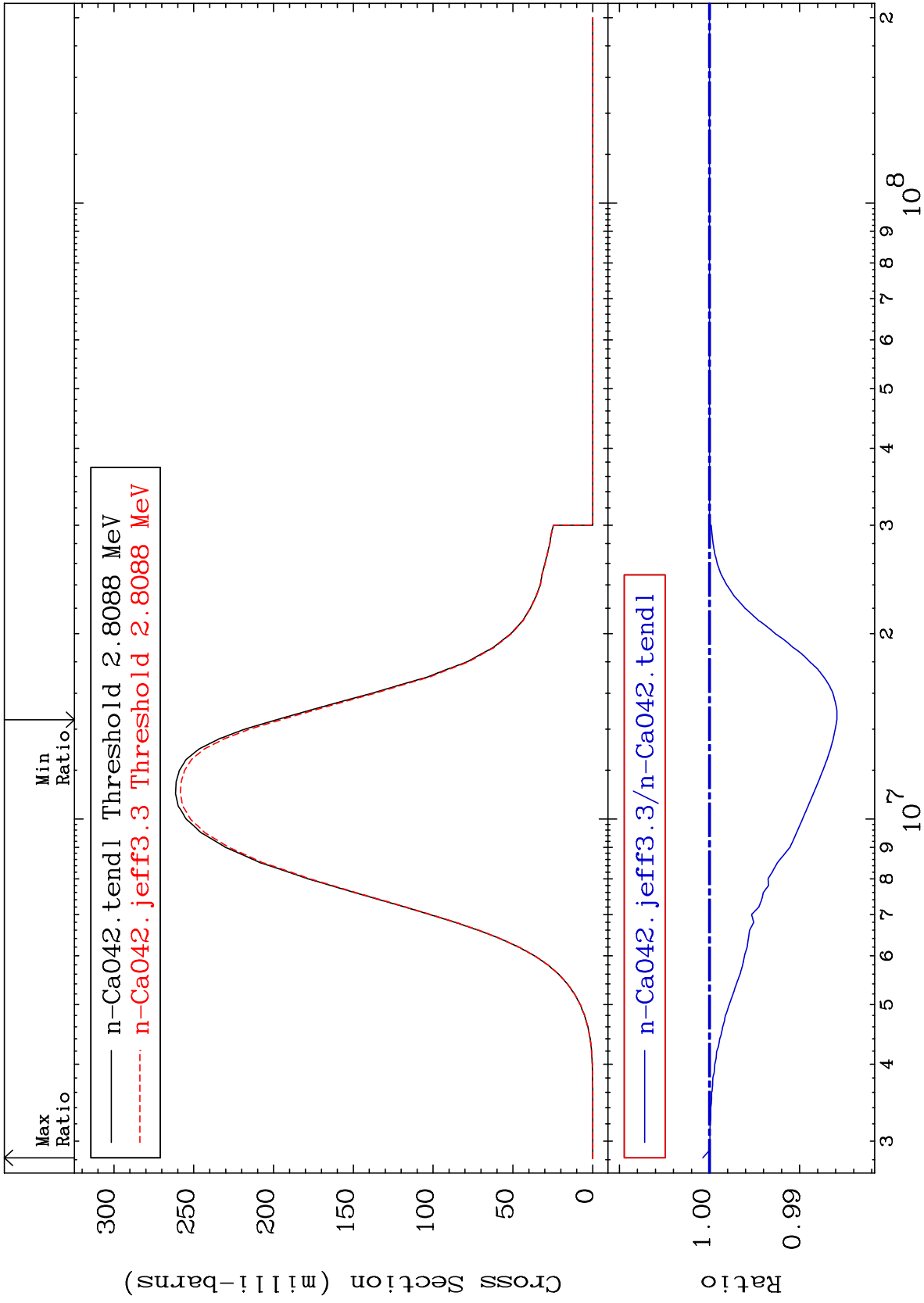
MAT 2031

(n,p)

20-Ca-42

Cross Section

-1.413 To 0.074 %



50

Incident Energy (eV)

20-Ca-42

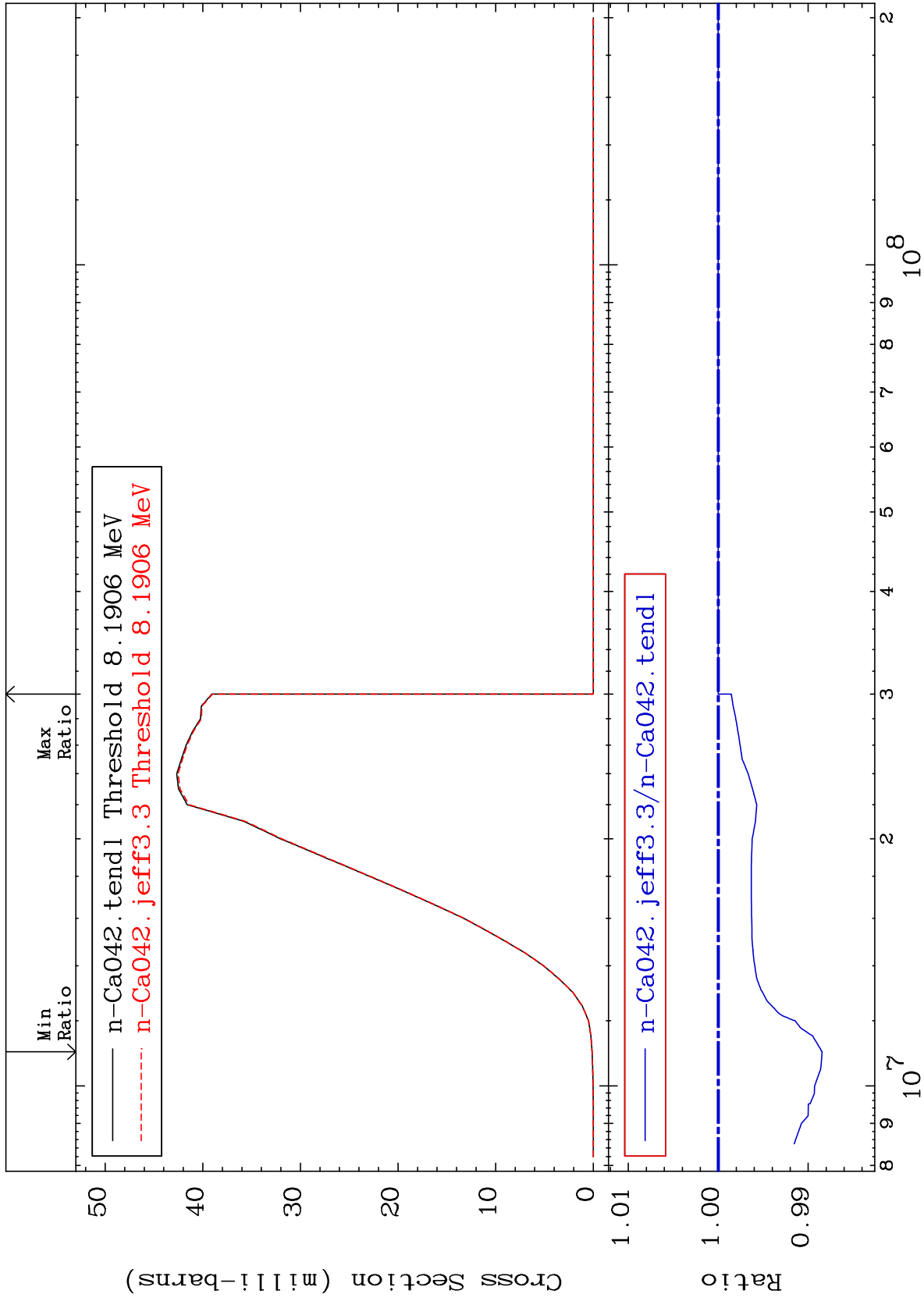
MAT 2031

(n, d)

20-Ca-42

Cross Section

-1.154 To 0.000 %



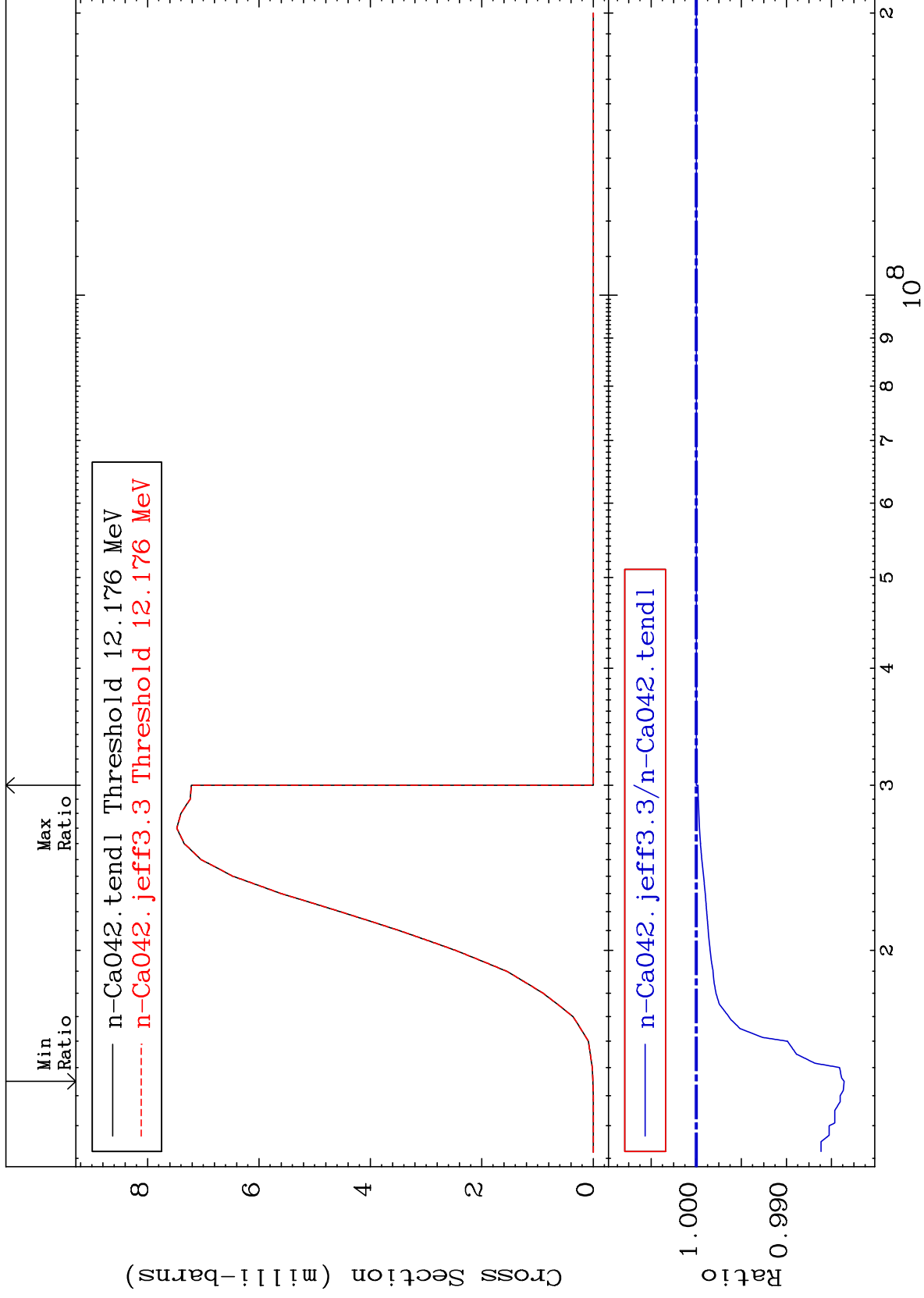
MAT 2031

(n, t)

20-Ca-42

Cross Section

-1.640 To 0.000 %

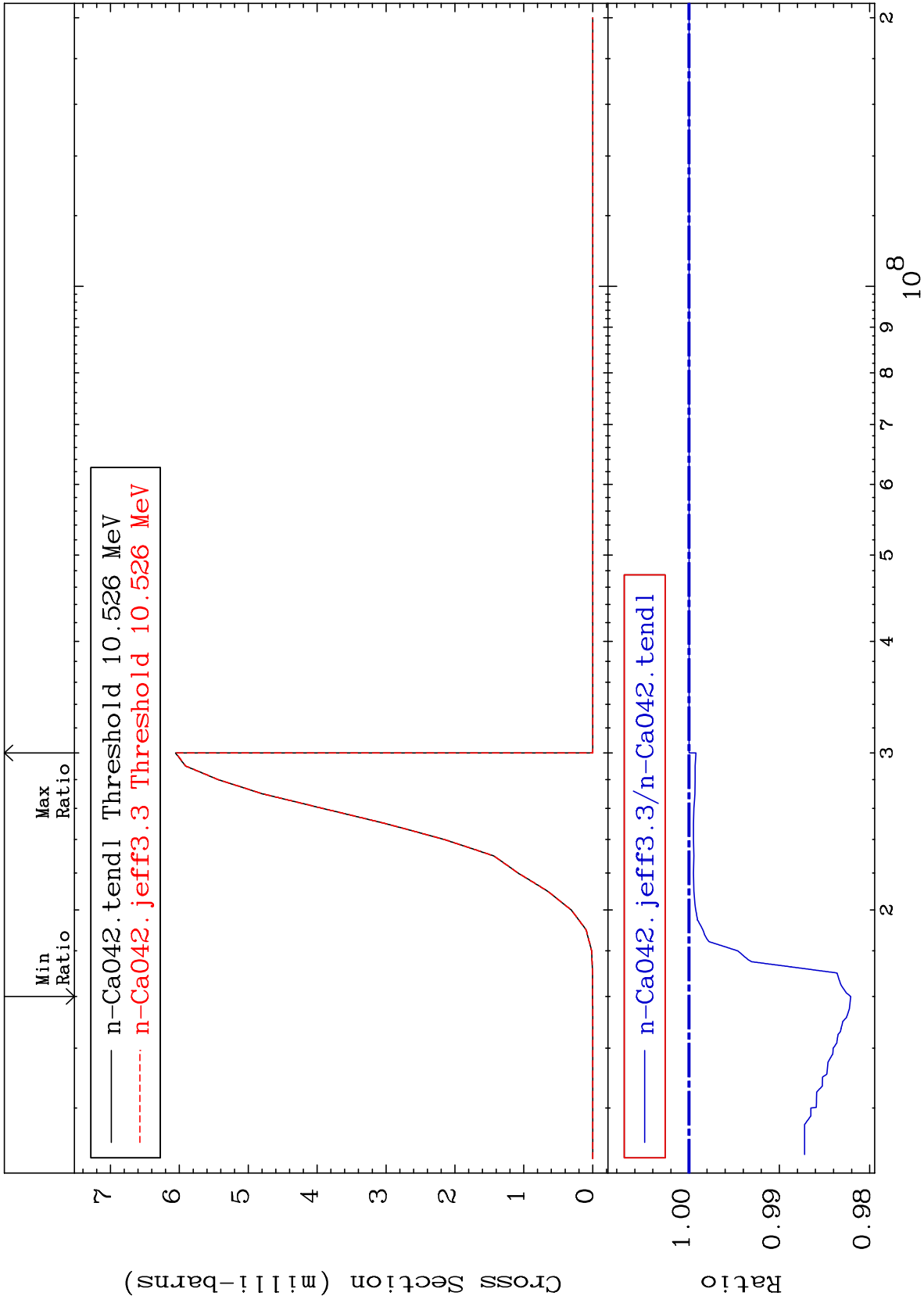


52

20-Ca-42

Cross Section

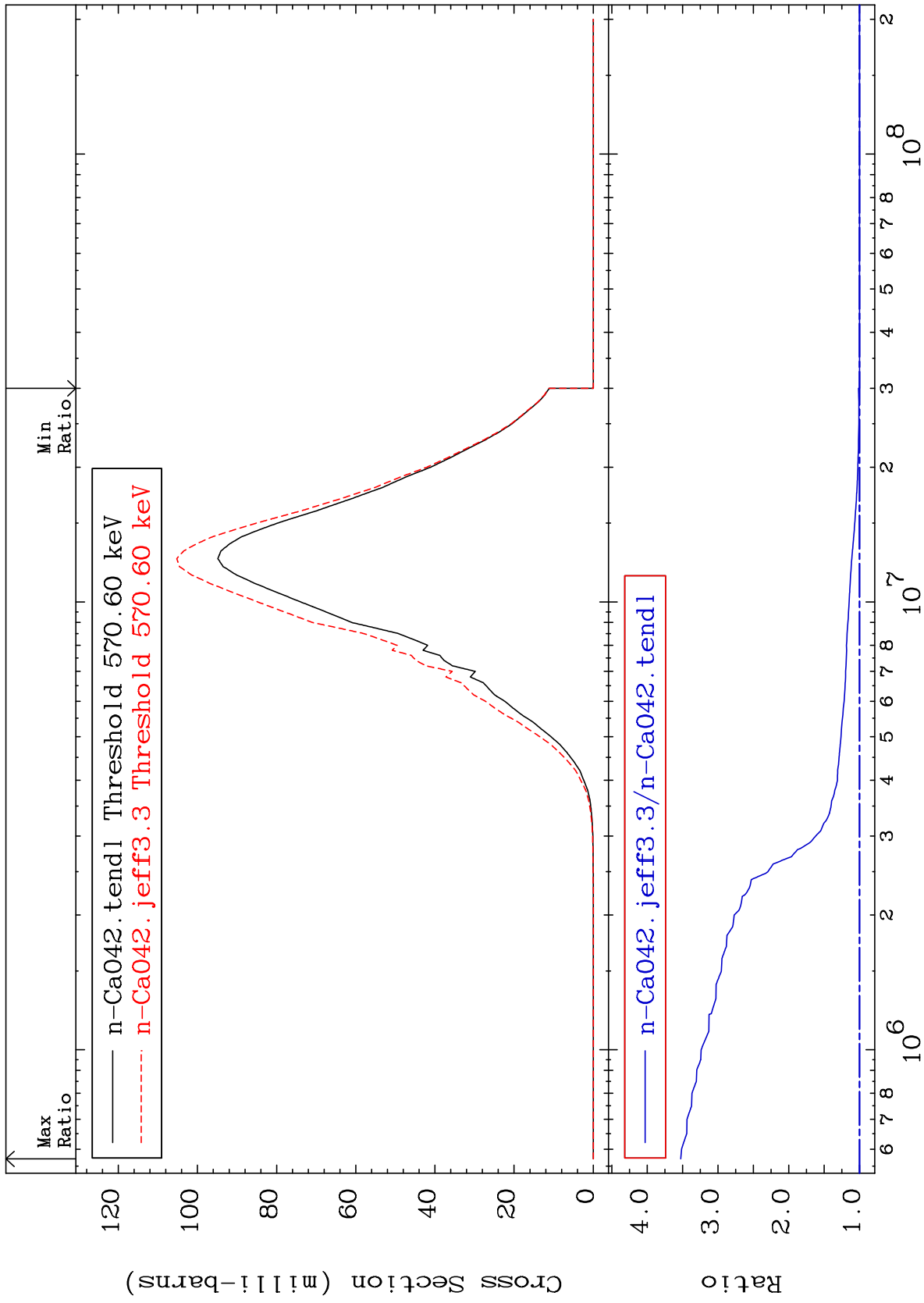
-1.790 To 0.000 %



MAT 2031

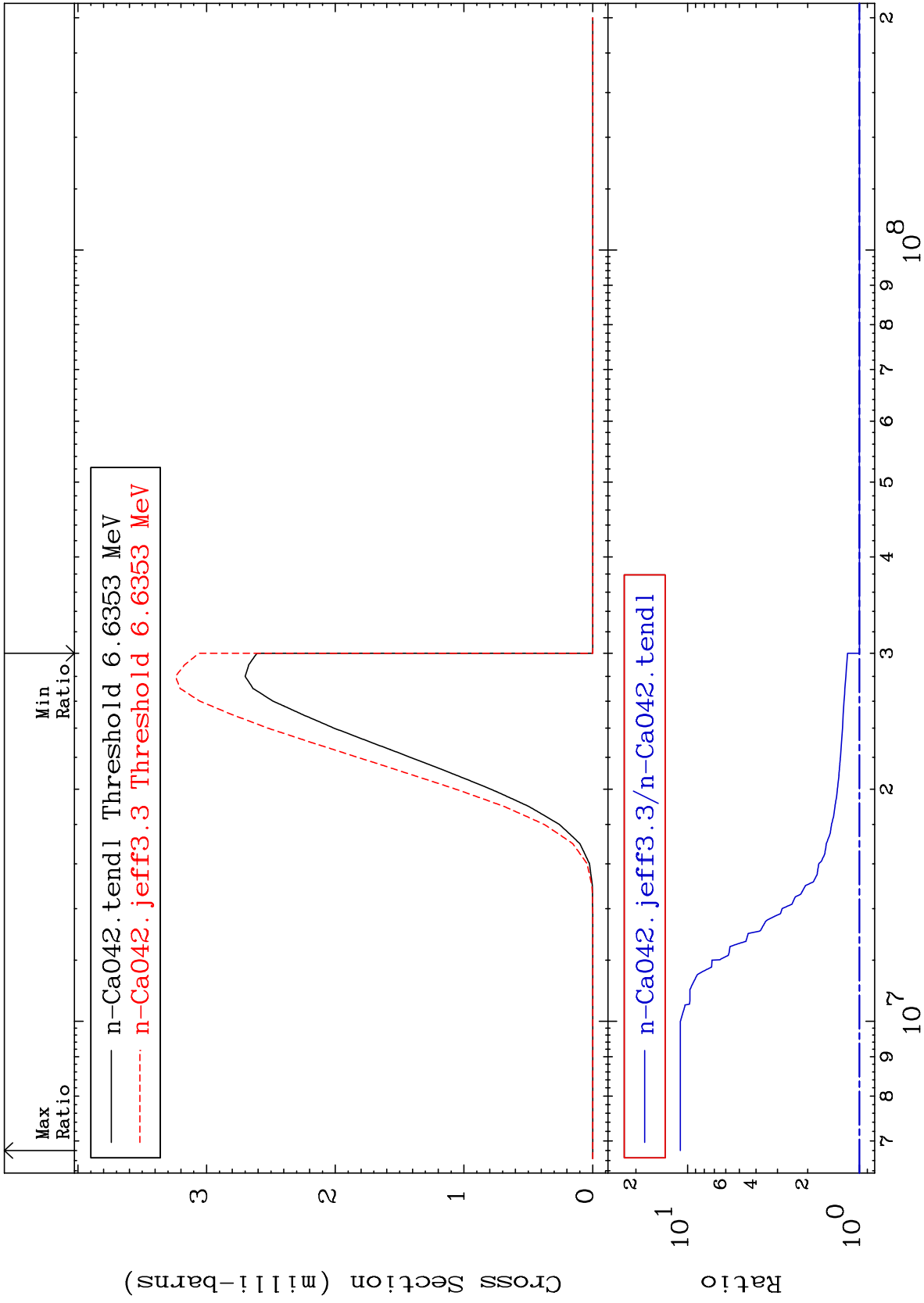
(n,  $\alpha$ )  
Cross Section

20-Ca-42  
To 252.5 %



MAT 2031

(n,2α)  
Cross Section  
0.000 To 1002. %  
20-Ca-42



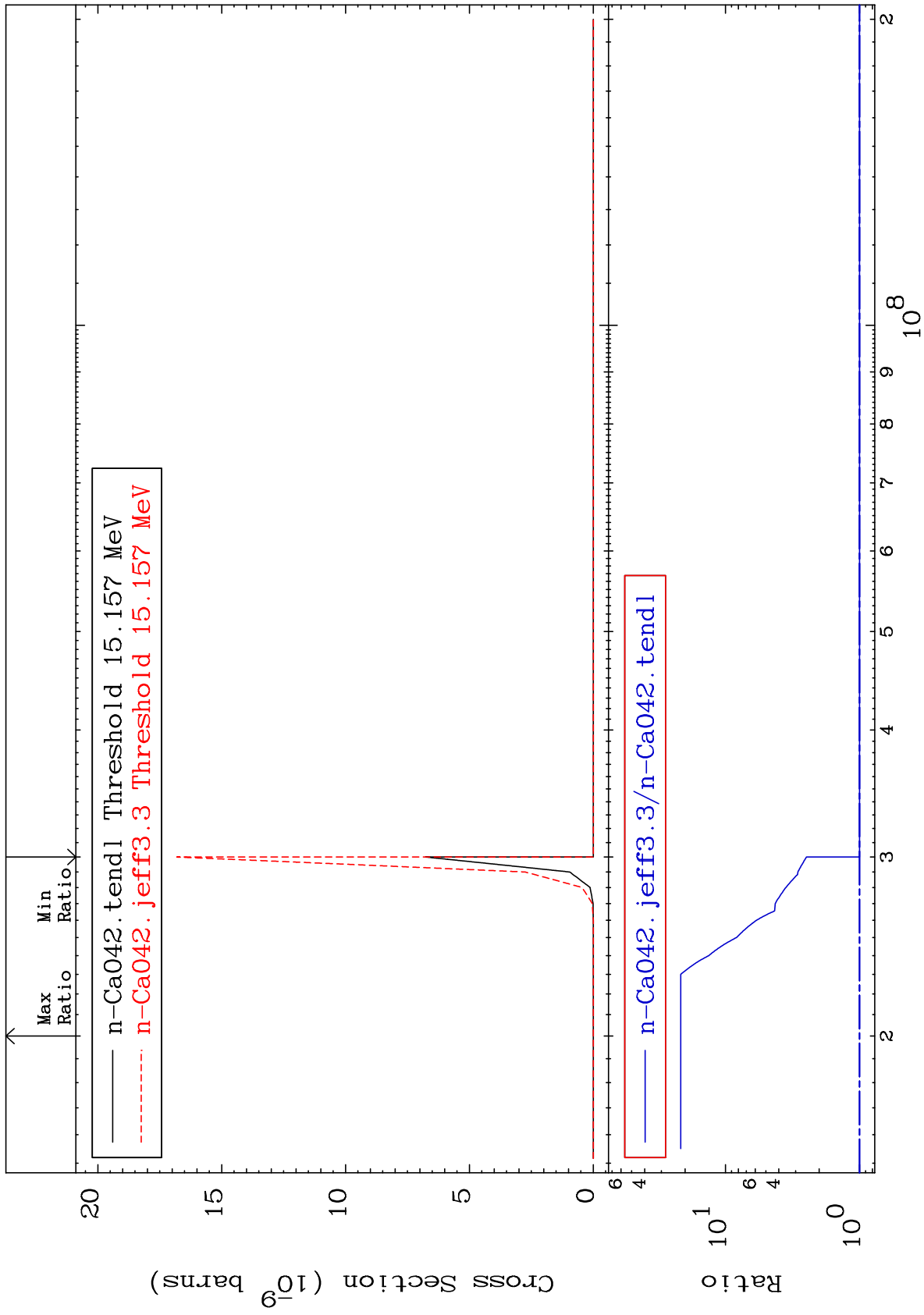
MAT 2031

(n,3α)

20-Ca-42

Cross Section

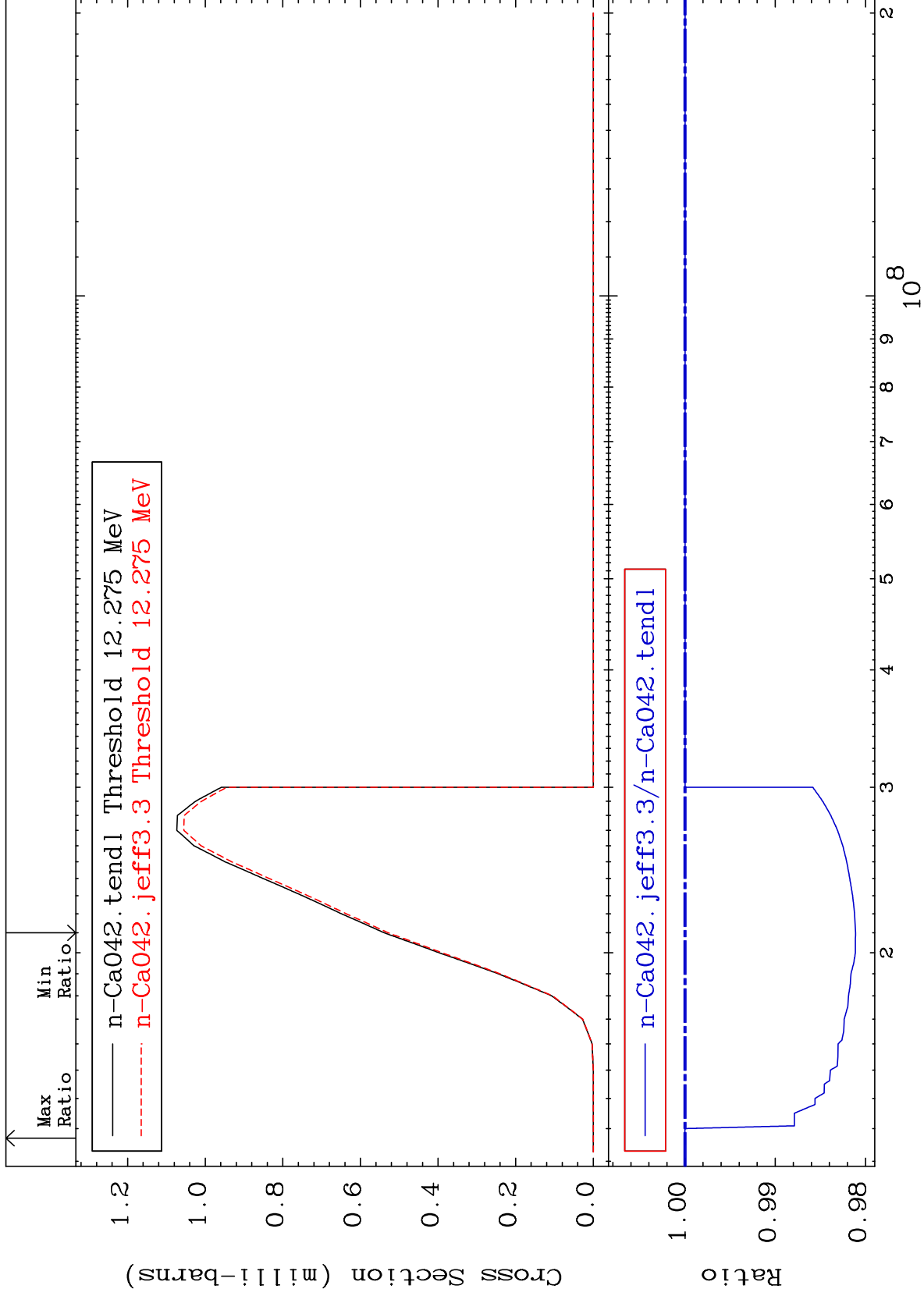
0.000 To 2052. %

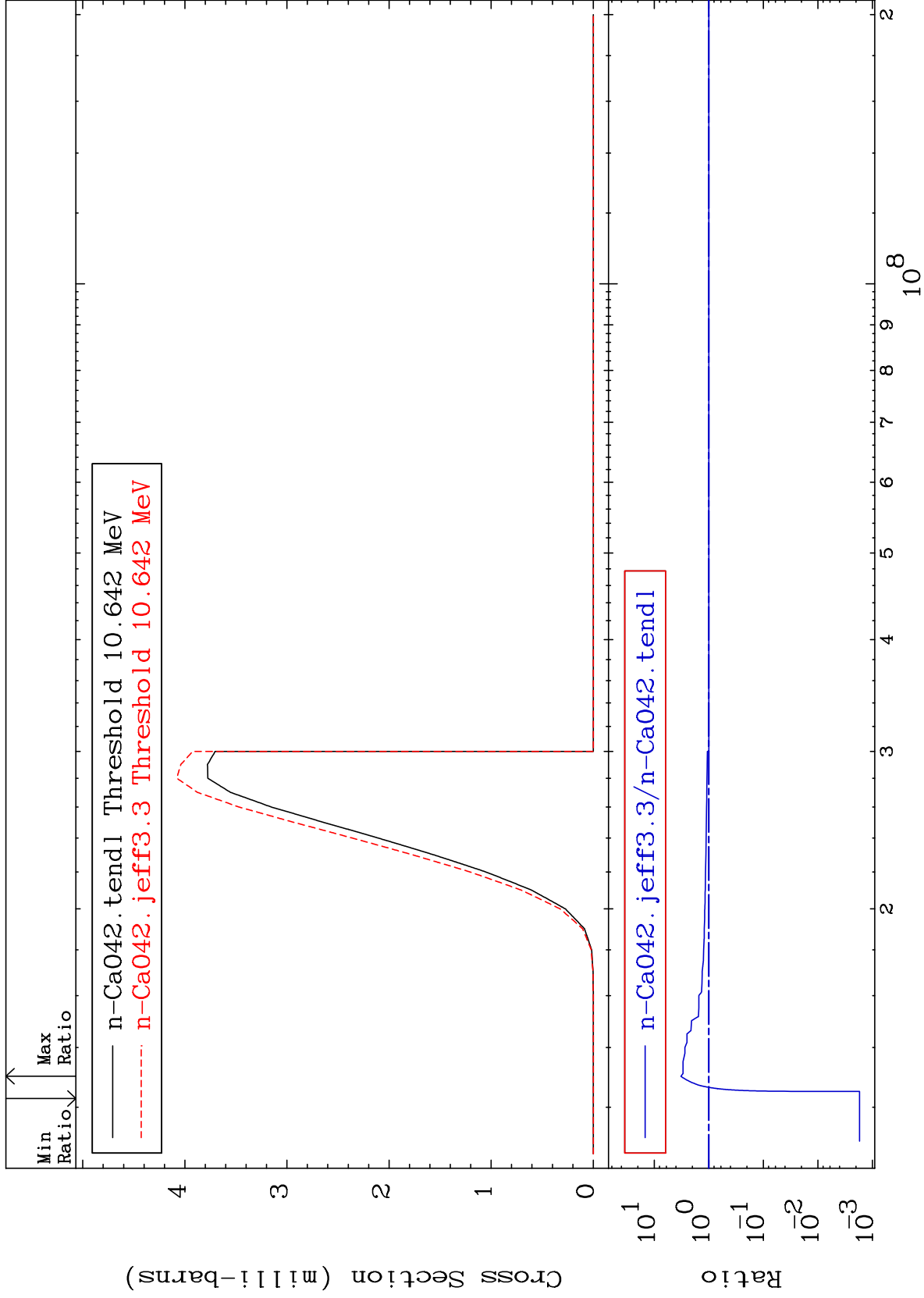




Cross Section

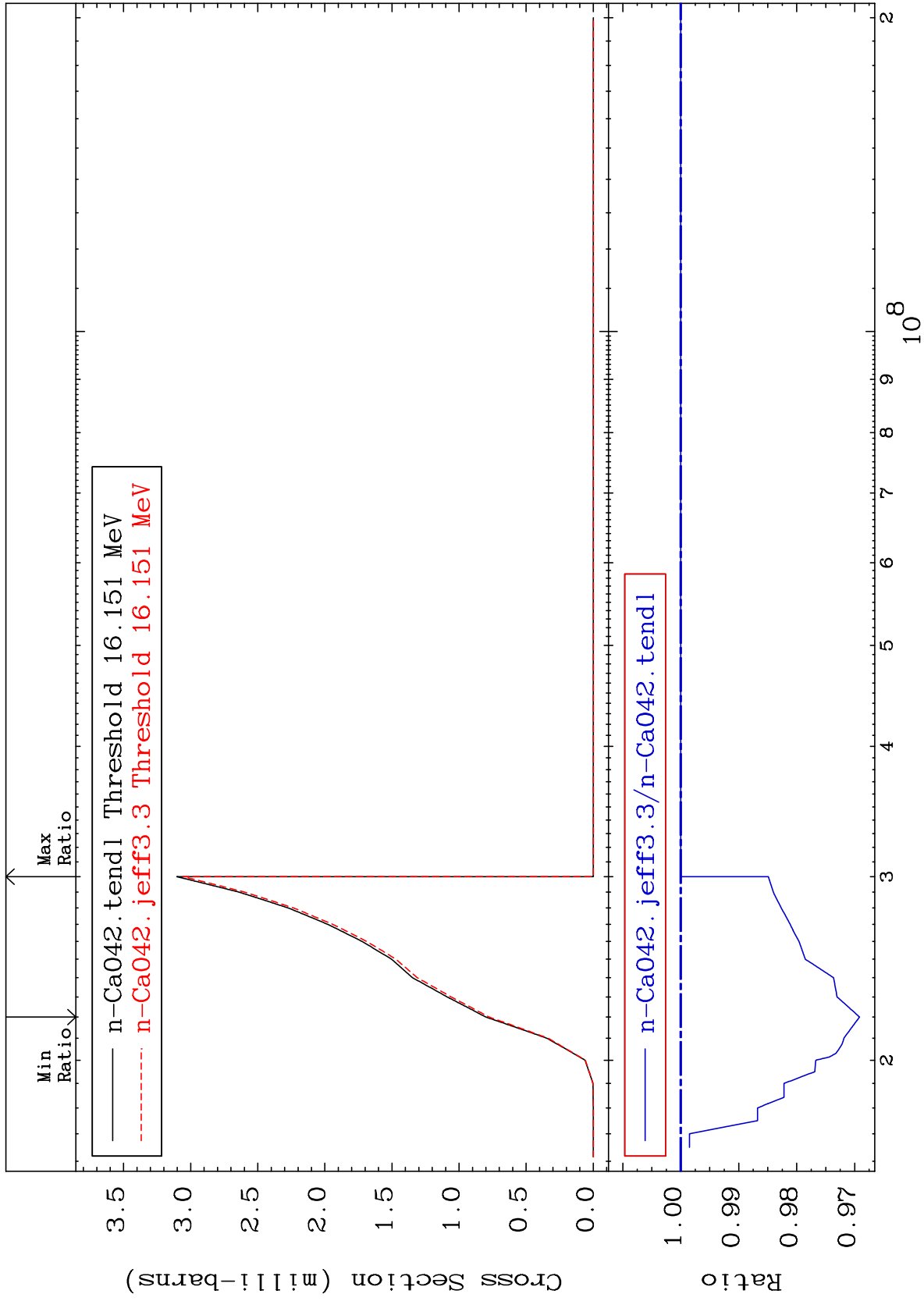
-1.889 To 0.002 %





Cross Section

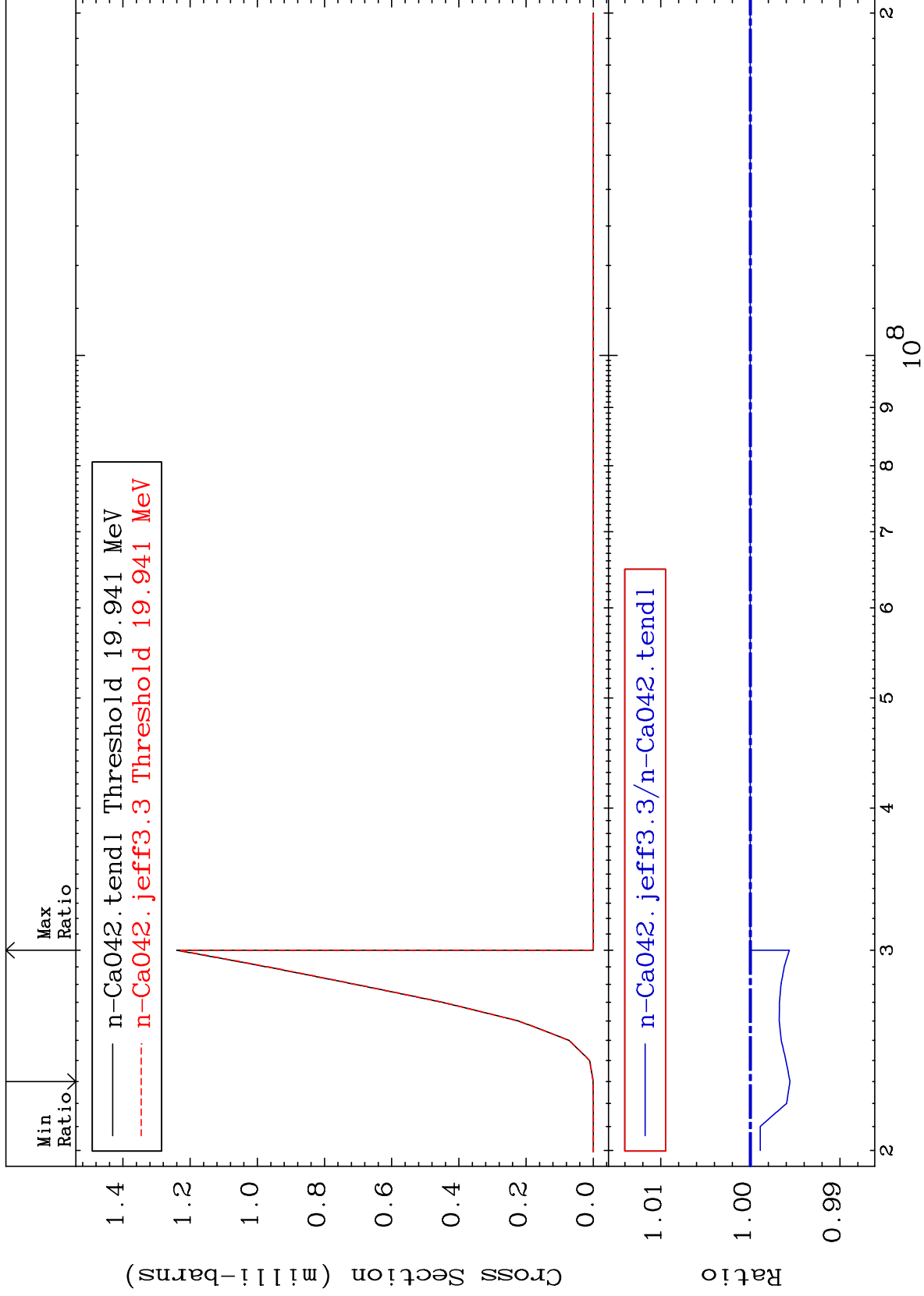
-3.083 To 0.000 %



MAT 2031

(n,p) t  
Cross Section

20-Ca-42  
-0.442 To 0.000 %



MAT 2031

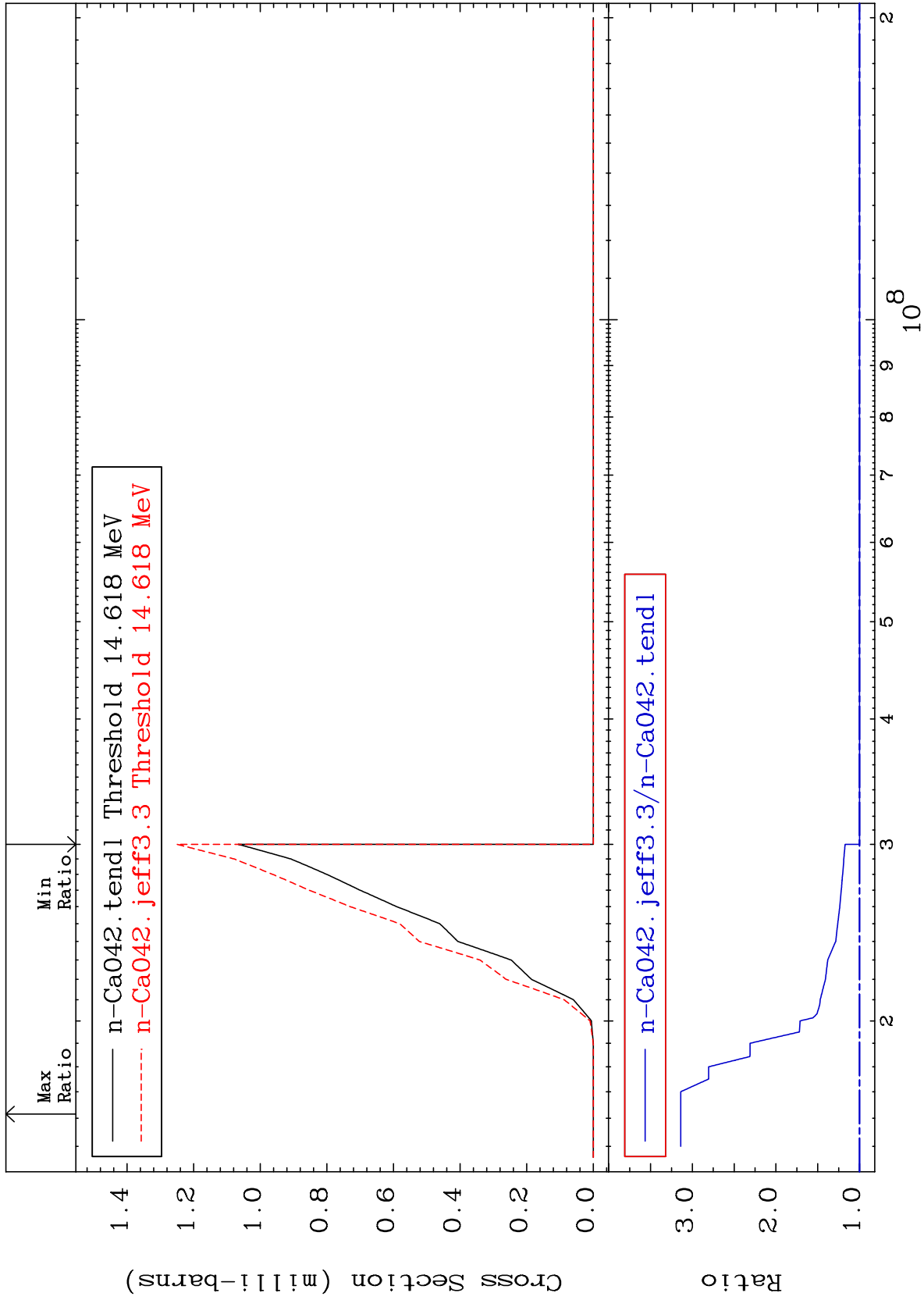
(n, d)  $\alpha$

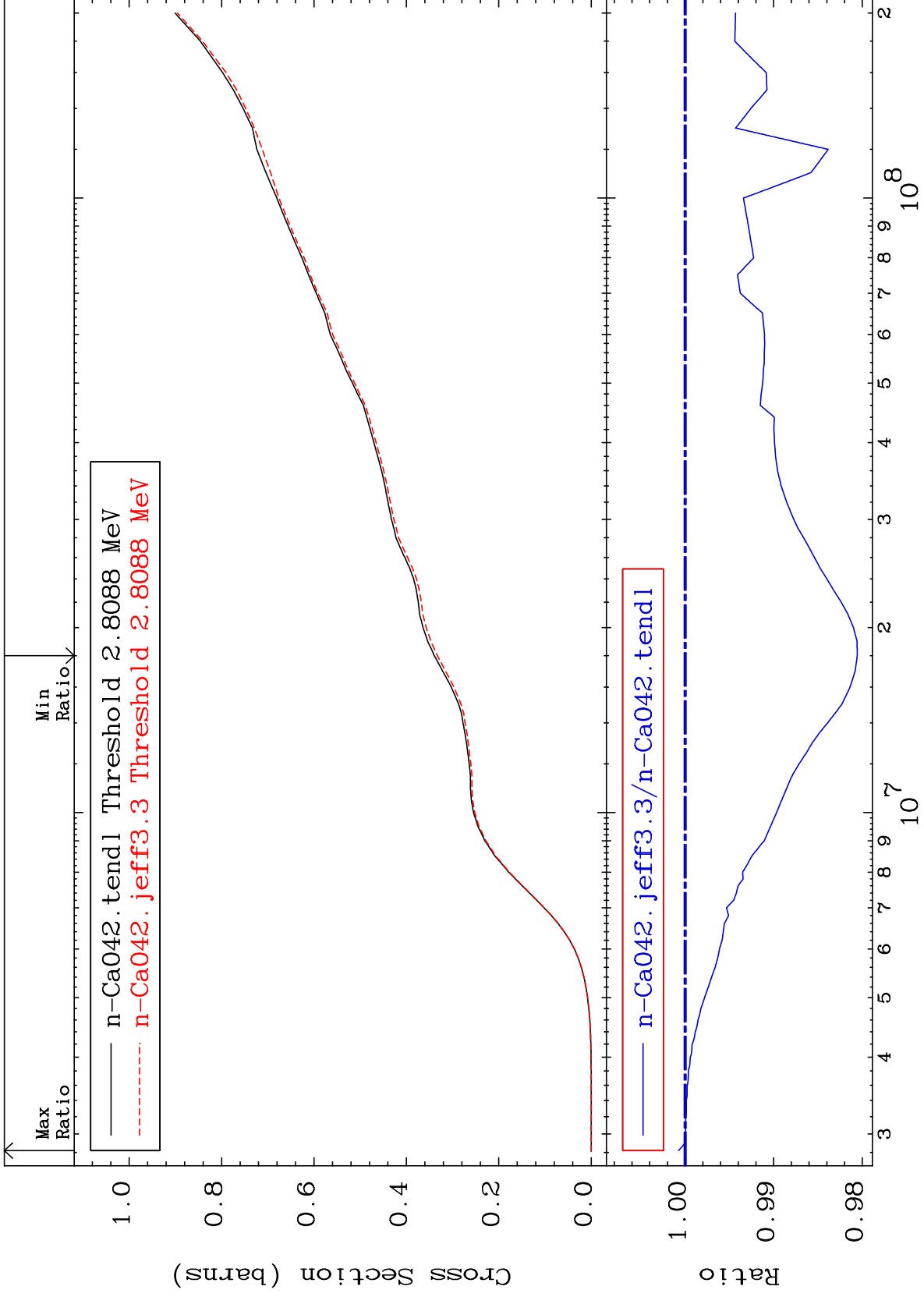
20-Ca-42

Cross Section

0.000

To 213.9 %

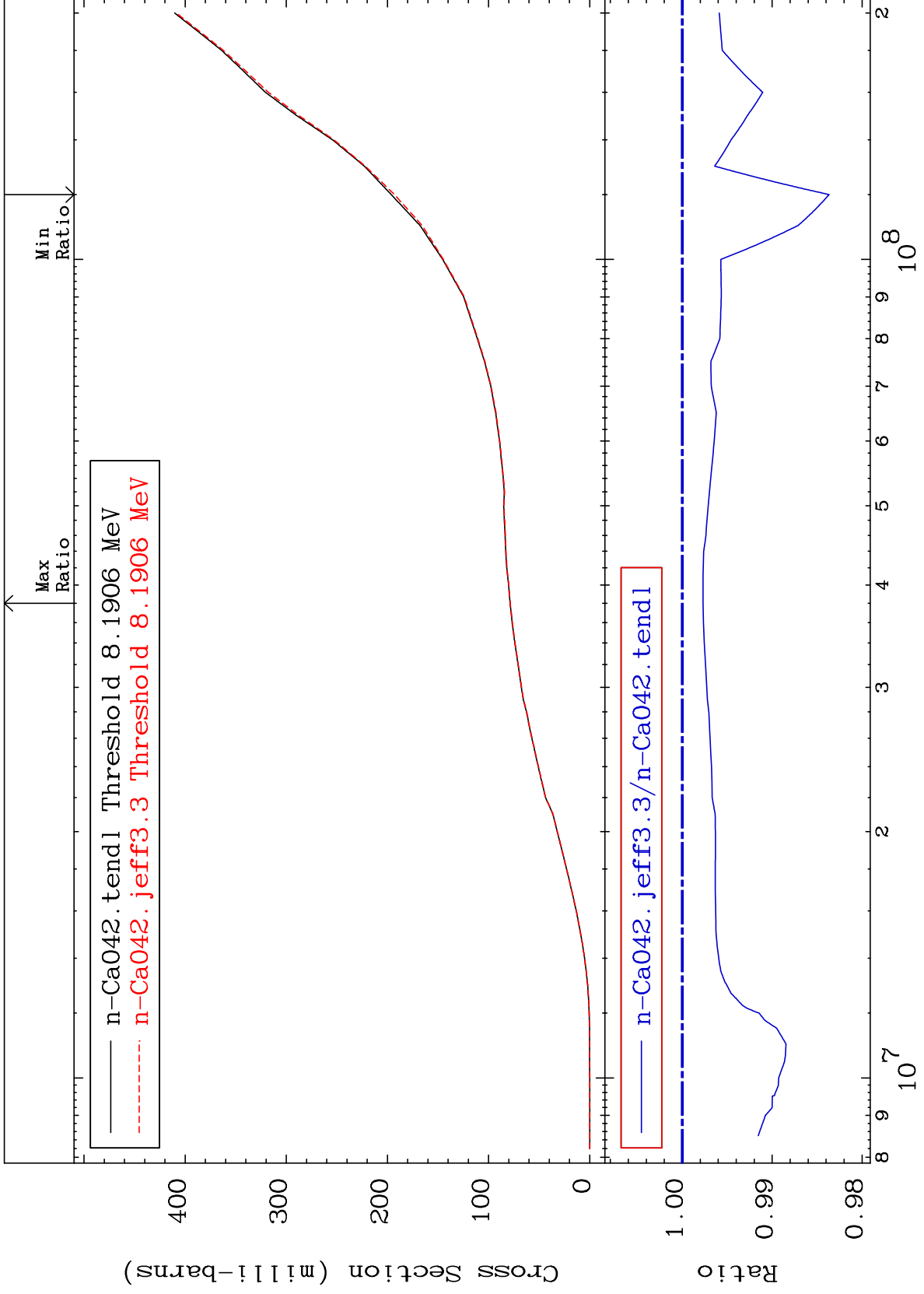




MAT 2031

Deuterium Production  
Cross Section

20-Ca-42  
-1.633 To -0.230%

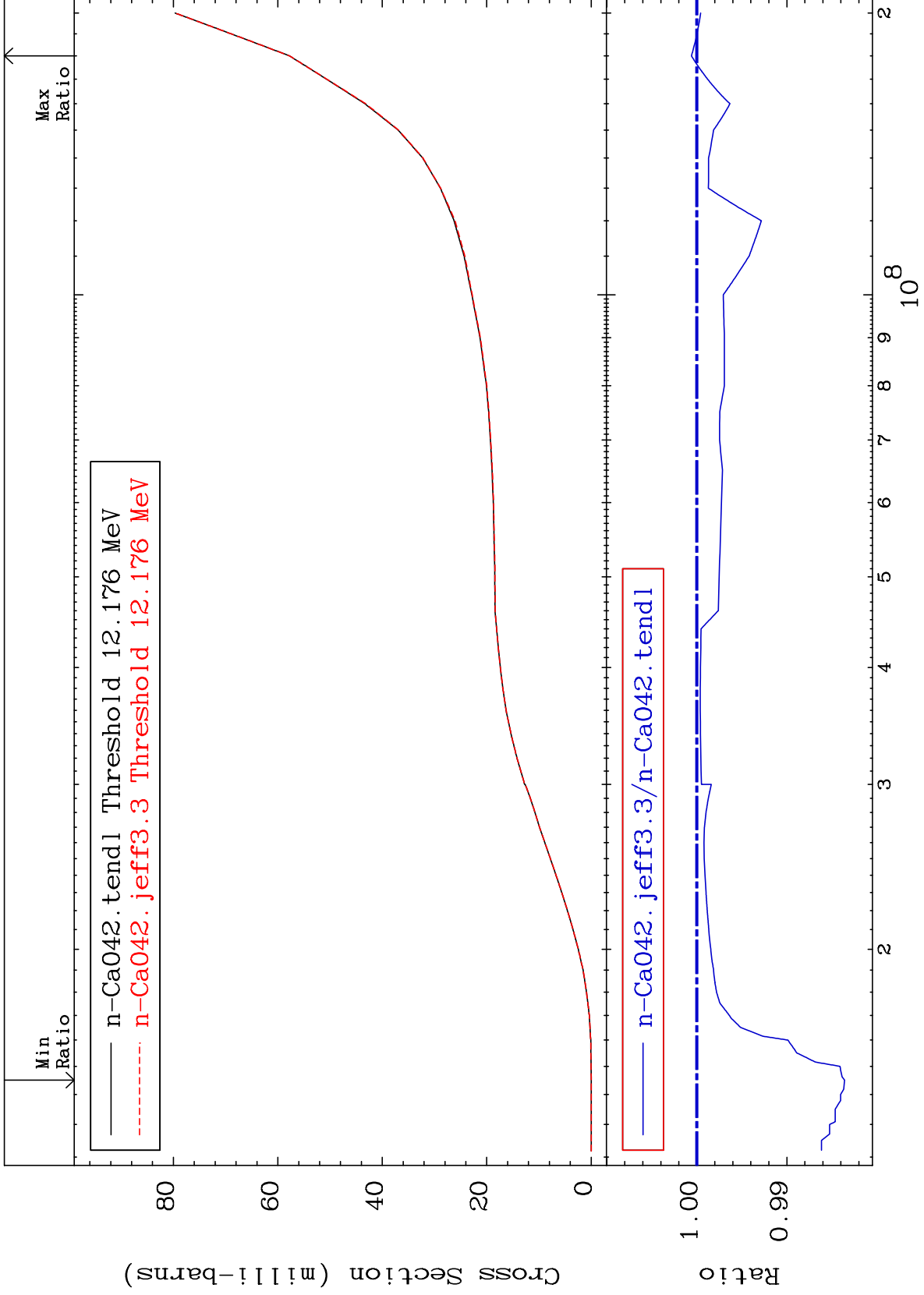


63

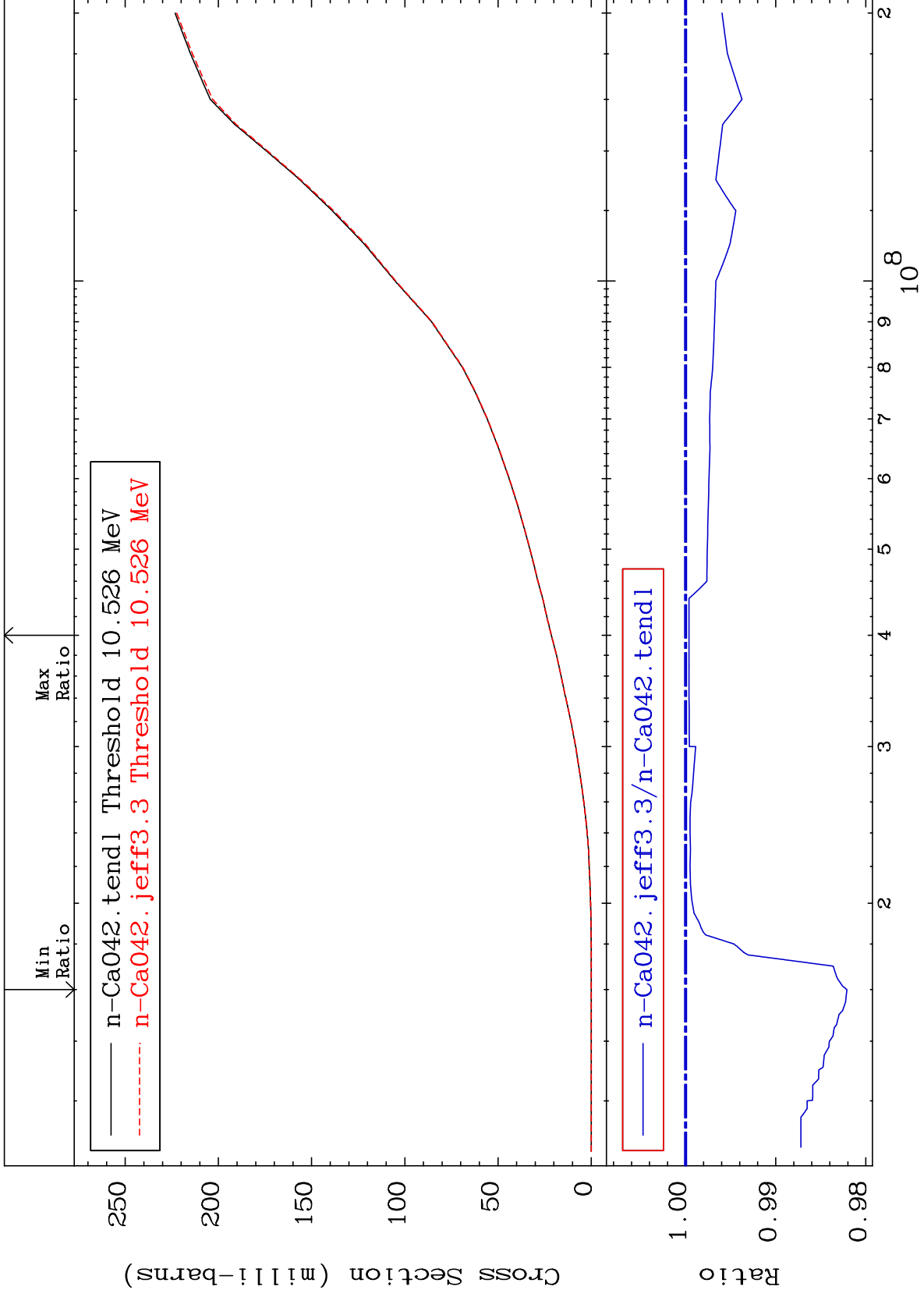
MAT 2031

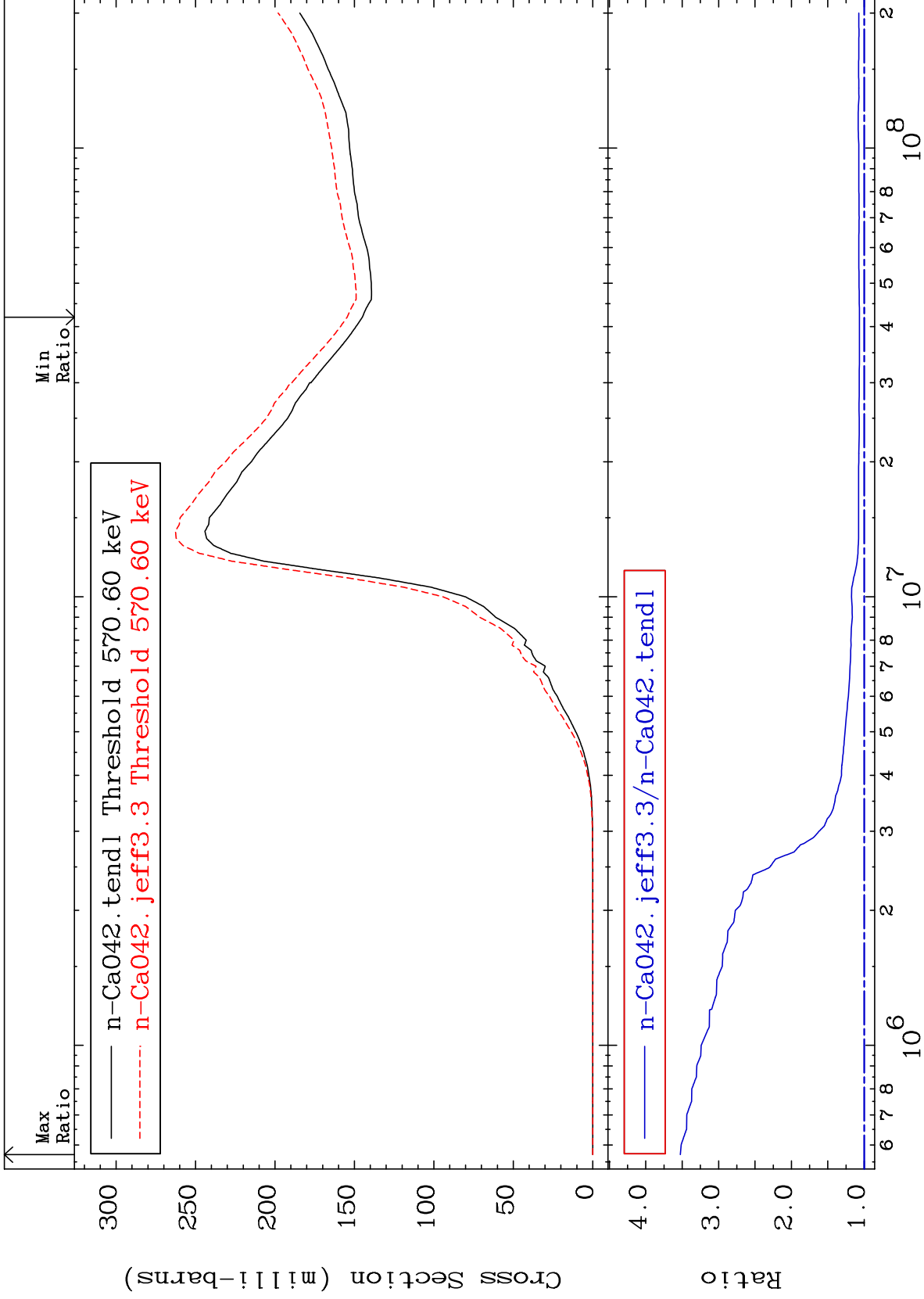
Tritium Production  
Cross Section

20-Ca-42  
-1.640 To 0.060 %





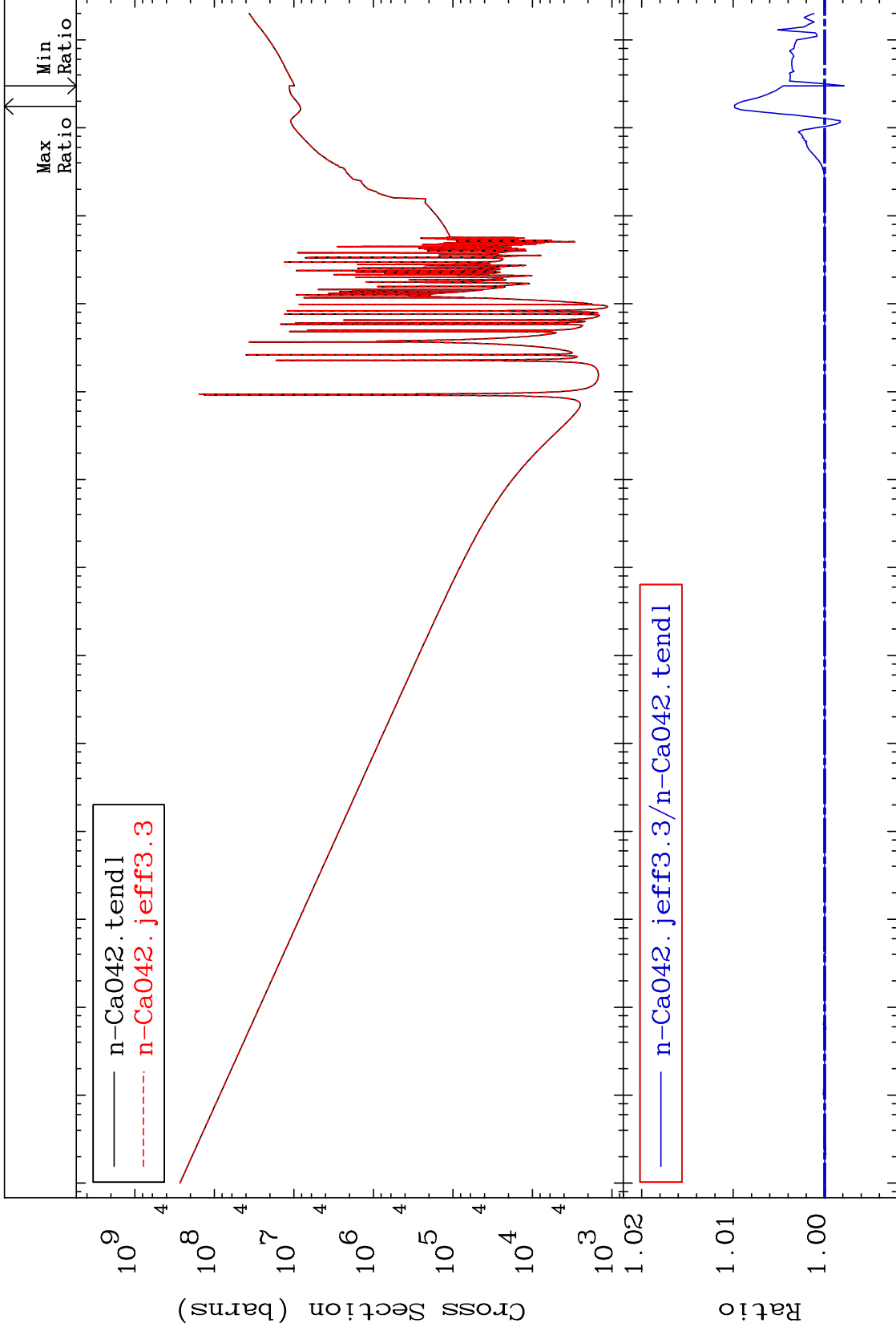




MAT 2031

Kerma total (eV-barns)  
Cross Section

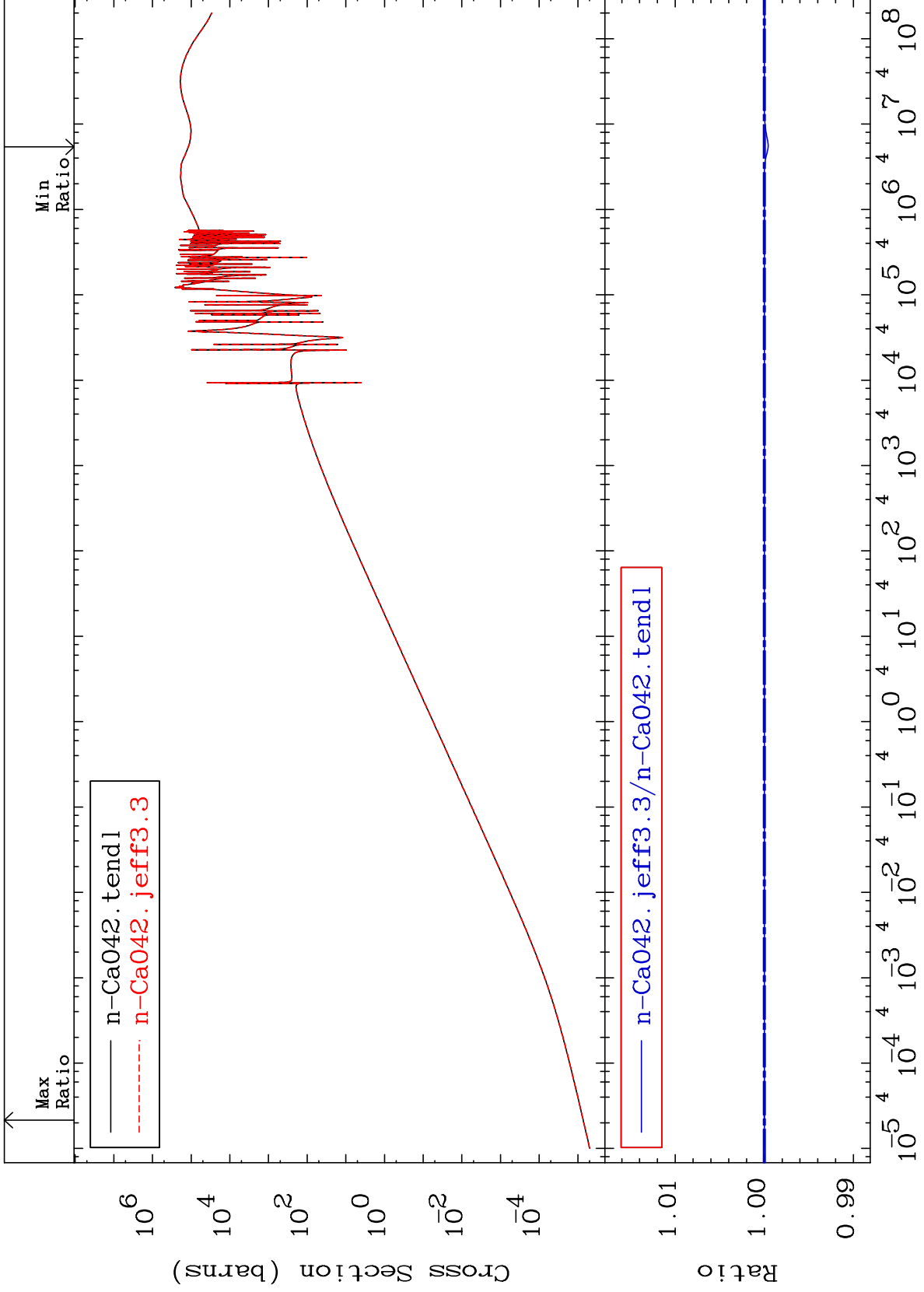
20-Ca-42  
-0.214 To 0.986 %



MAT 2031

Kerma elastic  
Cross Section

20-Ca-42  
-0.042 To 0.006 %



68

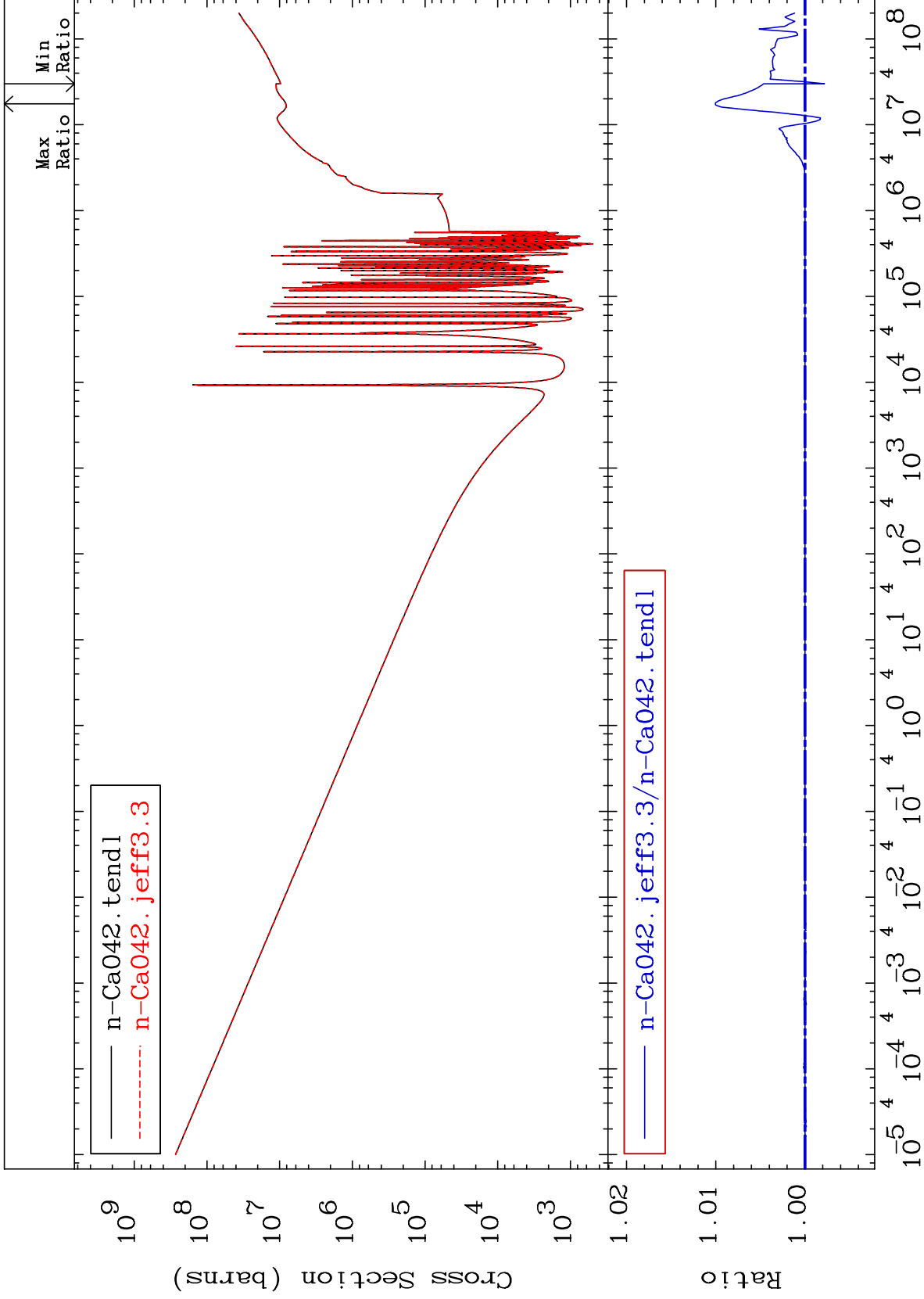
Incident Energy (eV)

20-Ca-42

MAT 2031

Kerma non-elastic (all but mt2)  
Cross Section

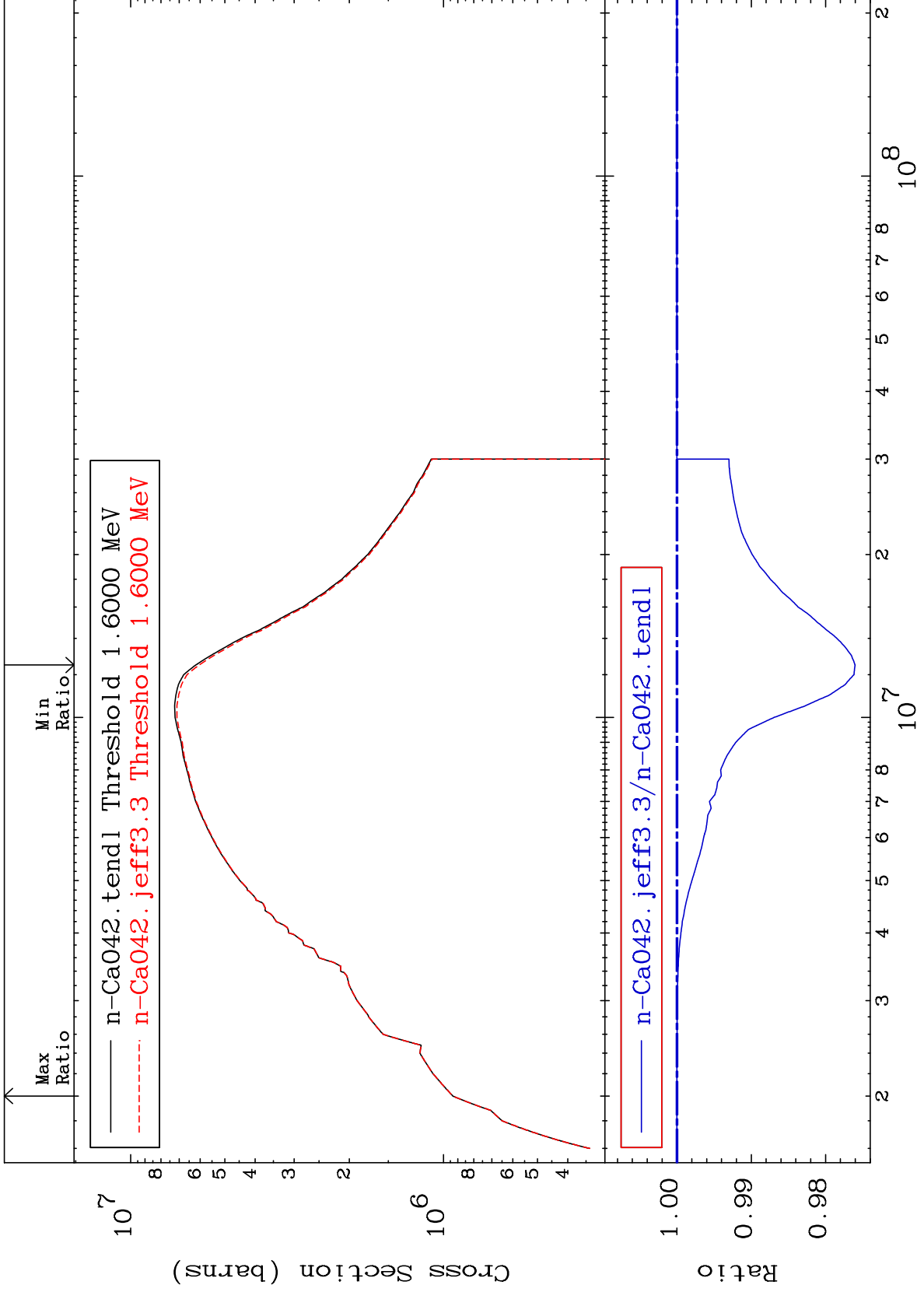
20-Ca-42  
-0.218 To 1.005 %



MAT 2031

Kerma inelastic (mt51-91)  
Cross Section

20-Ca-42  
-2.397 To 0.000 %



70

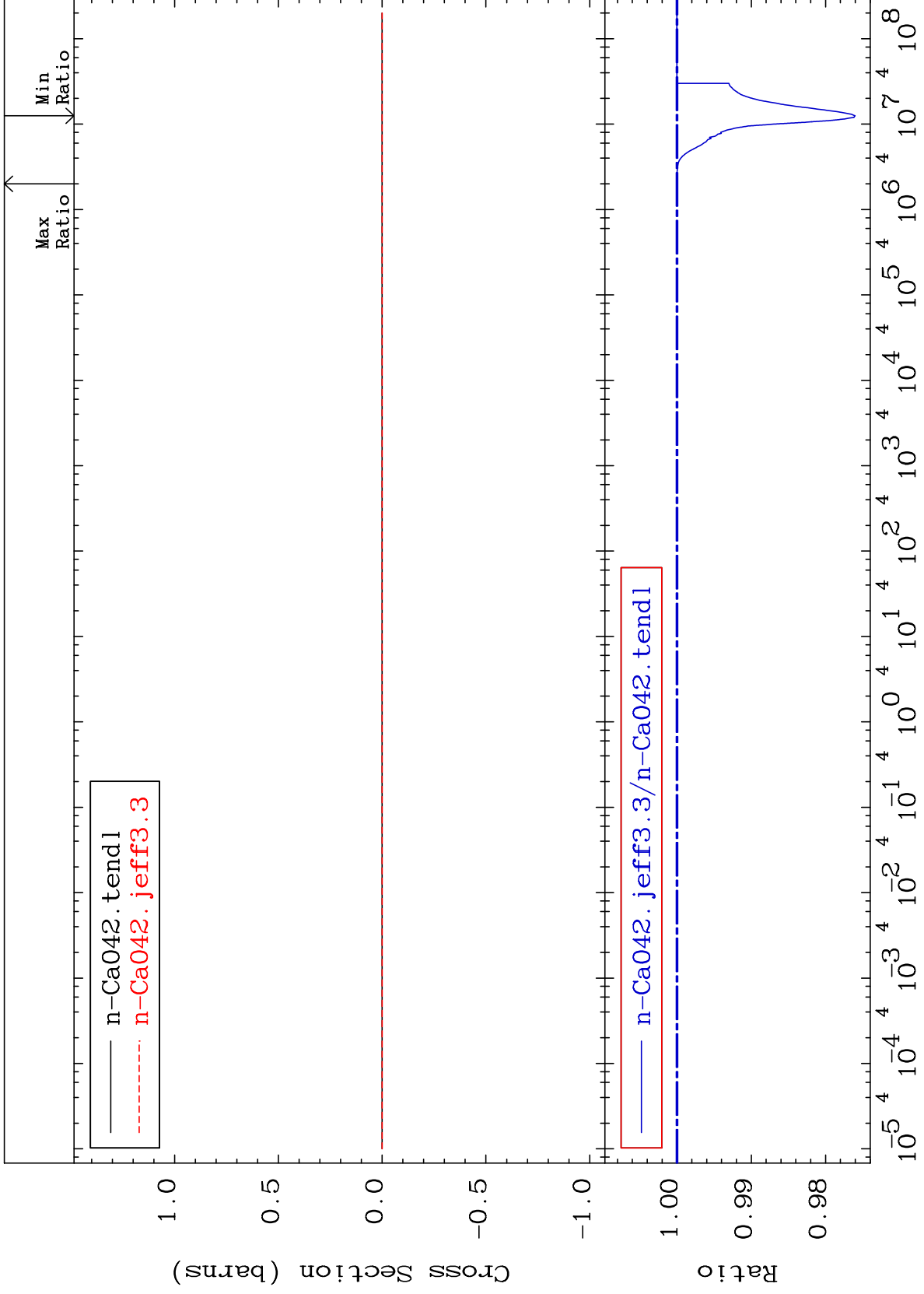
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42  
-2.397 To 0.000 %



71

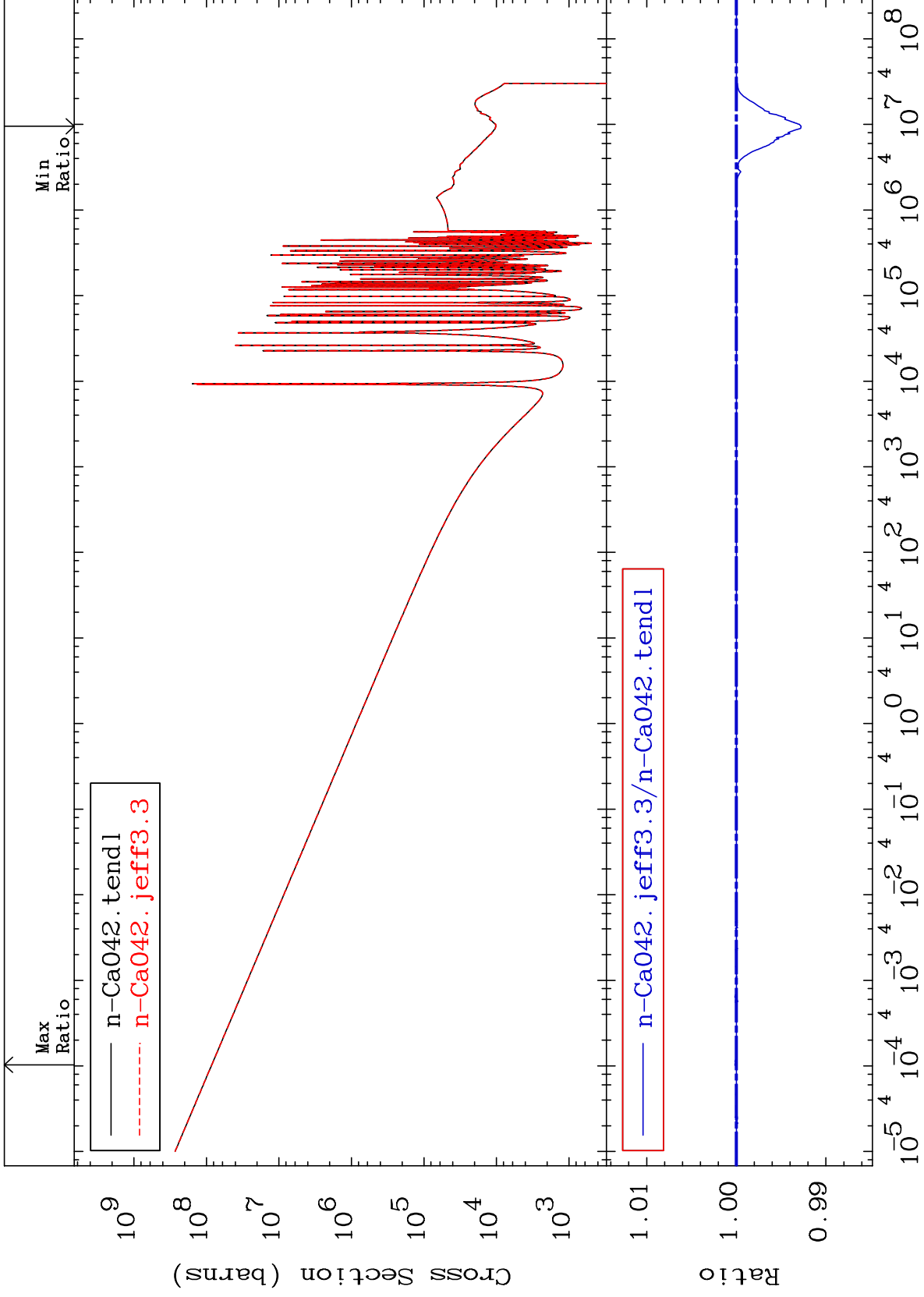
Incident Energy (eV)

20-Ca-42

MAT 2031

Kerma capture (mt102)  
Cross Section

20-Ca-42  
-0.723 To 0.017 %



72

Incident Energy (eV)

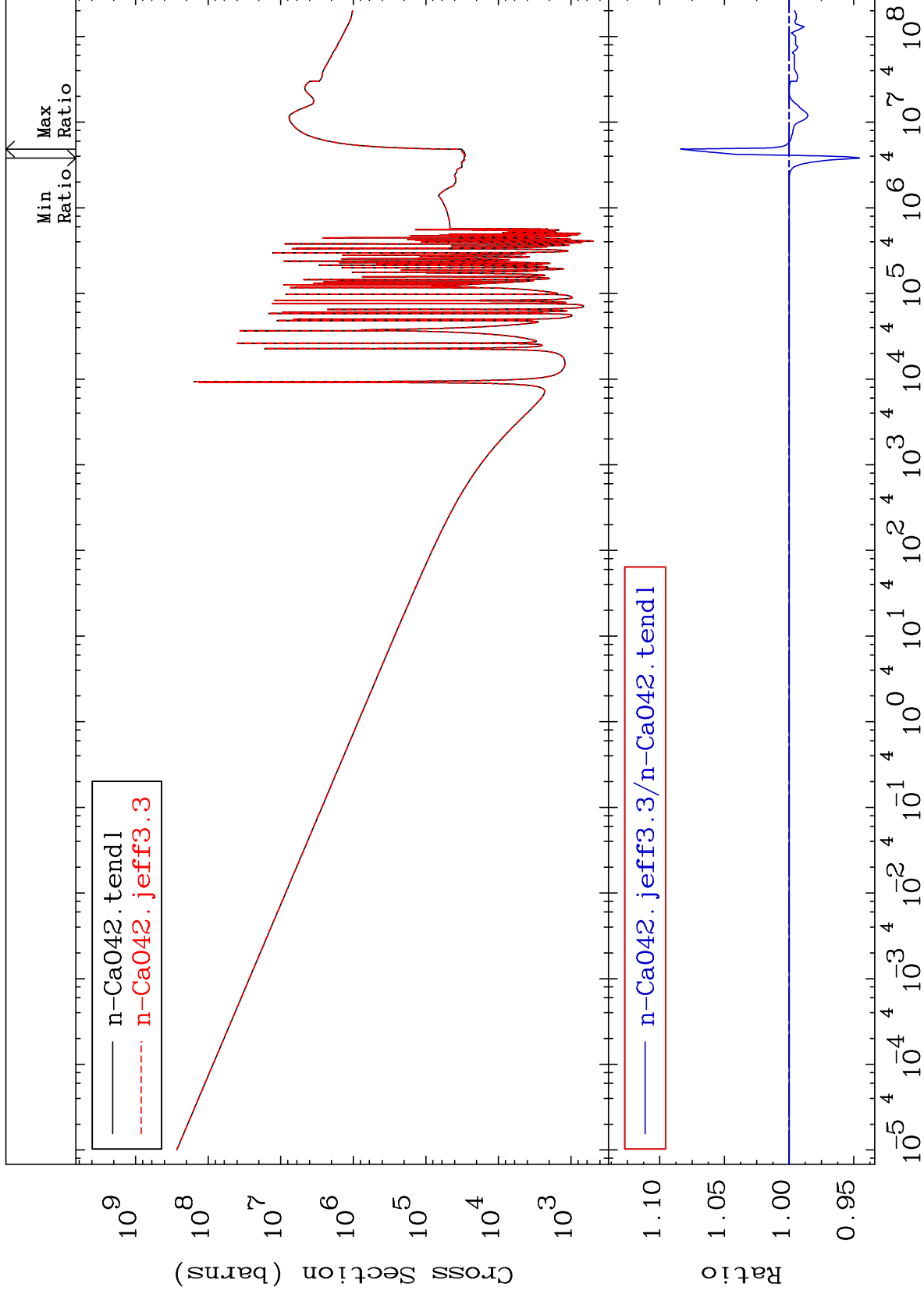
20-Ca-42



MAT 2031

Total photon (eV-barns)  
Cross Section

20-Ca-42  
-5.445 To 8.375 %



73

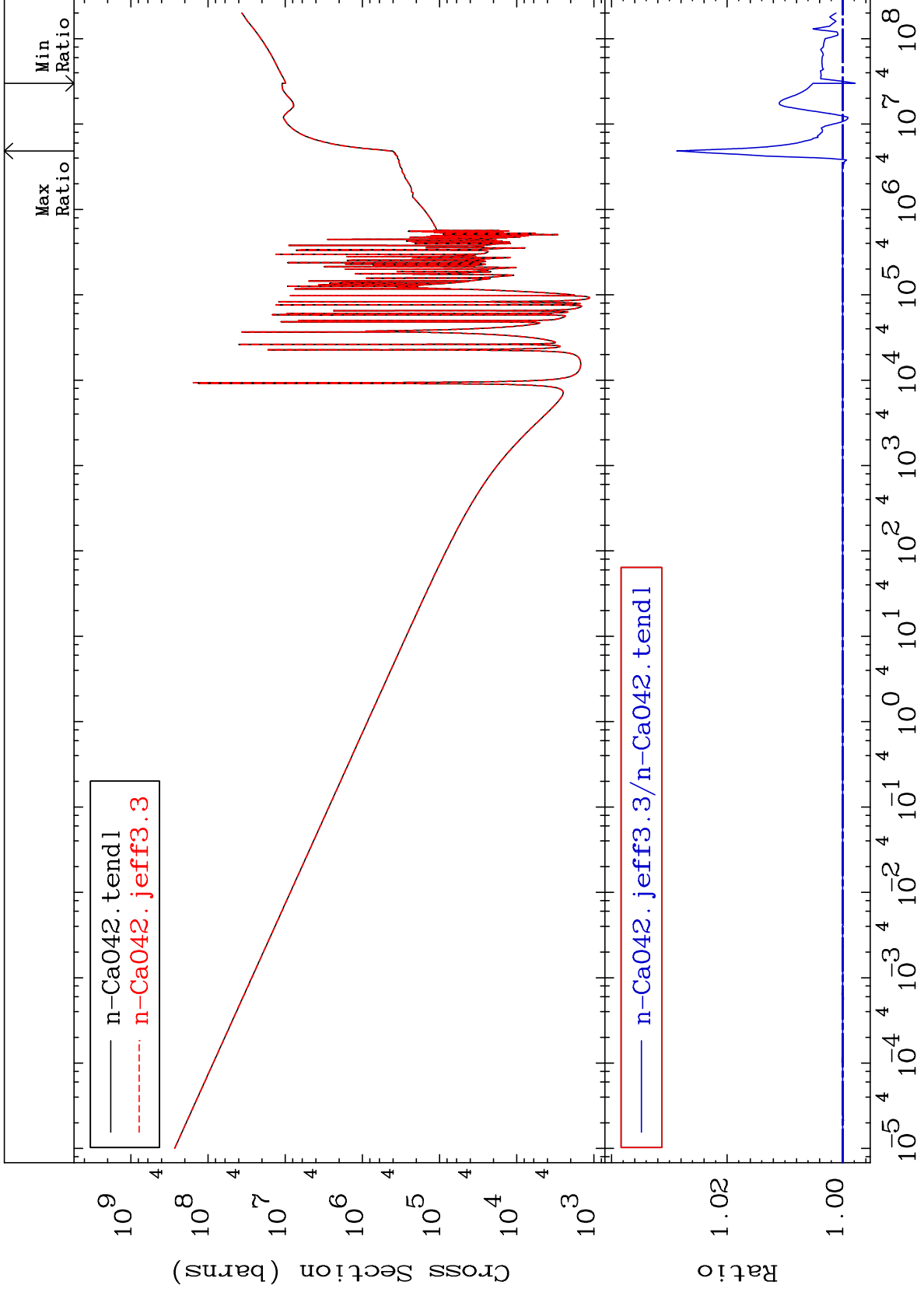
Incident Energy (eV)

20-Ca-42

MAT 2031

Total kinematic kerma (high limit)  
Cross Section

20-Ca-42  
-0.214 To 2.869 %



74

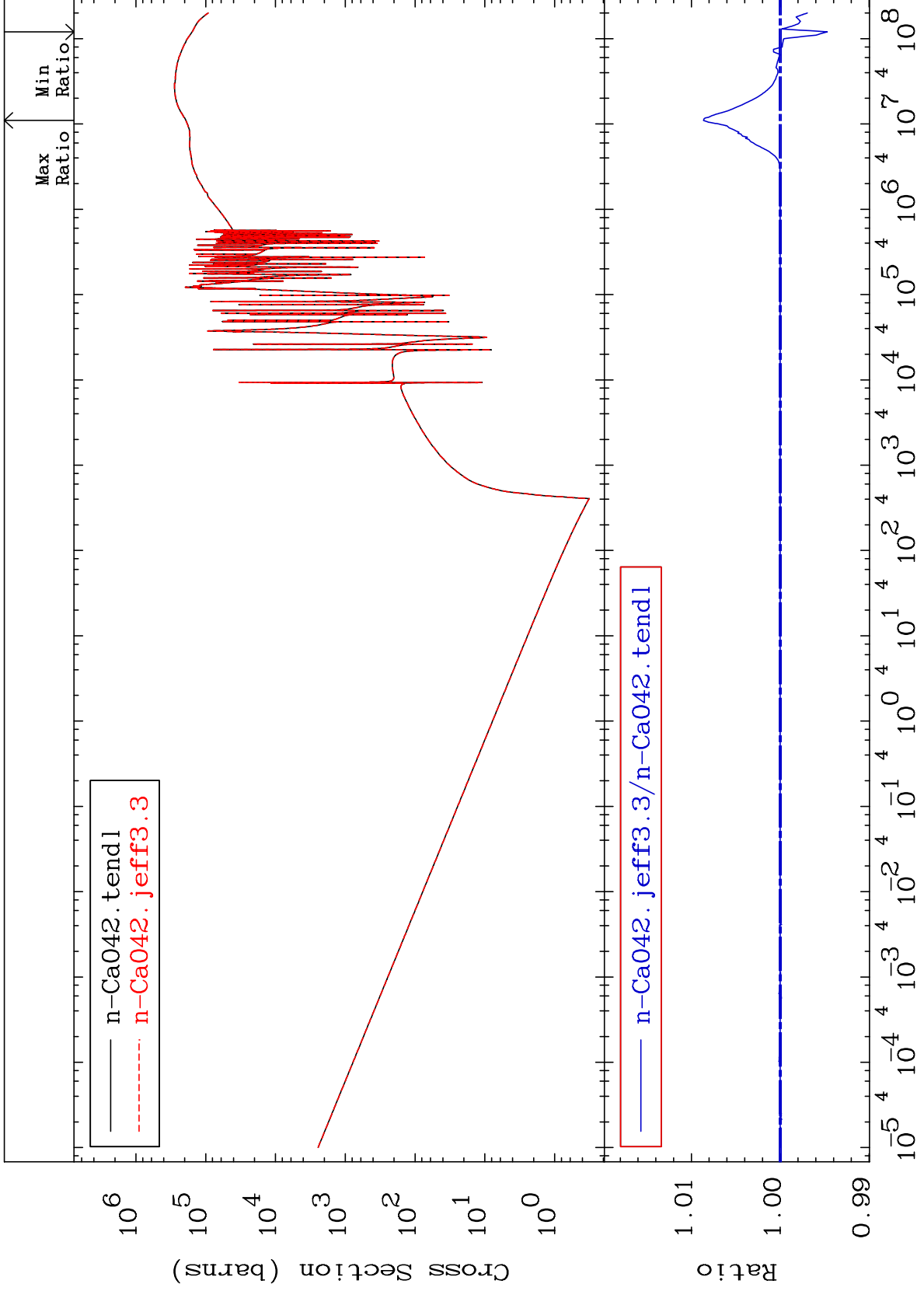
Incident Energy (eV)

20-Ca-42

MAT 2031

Dpa total (eV-barns)  
Cross Section

20-Ca-42  
-0.530 To 0.864 %



Incident Energy (eV)

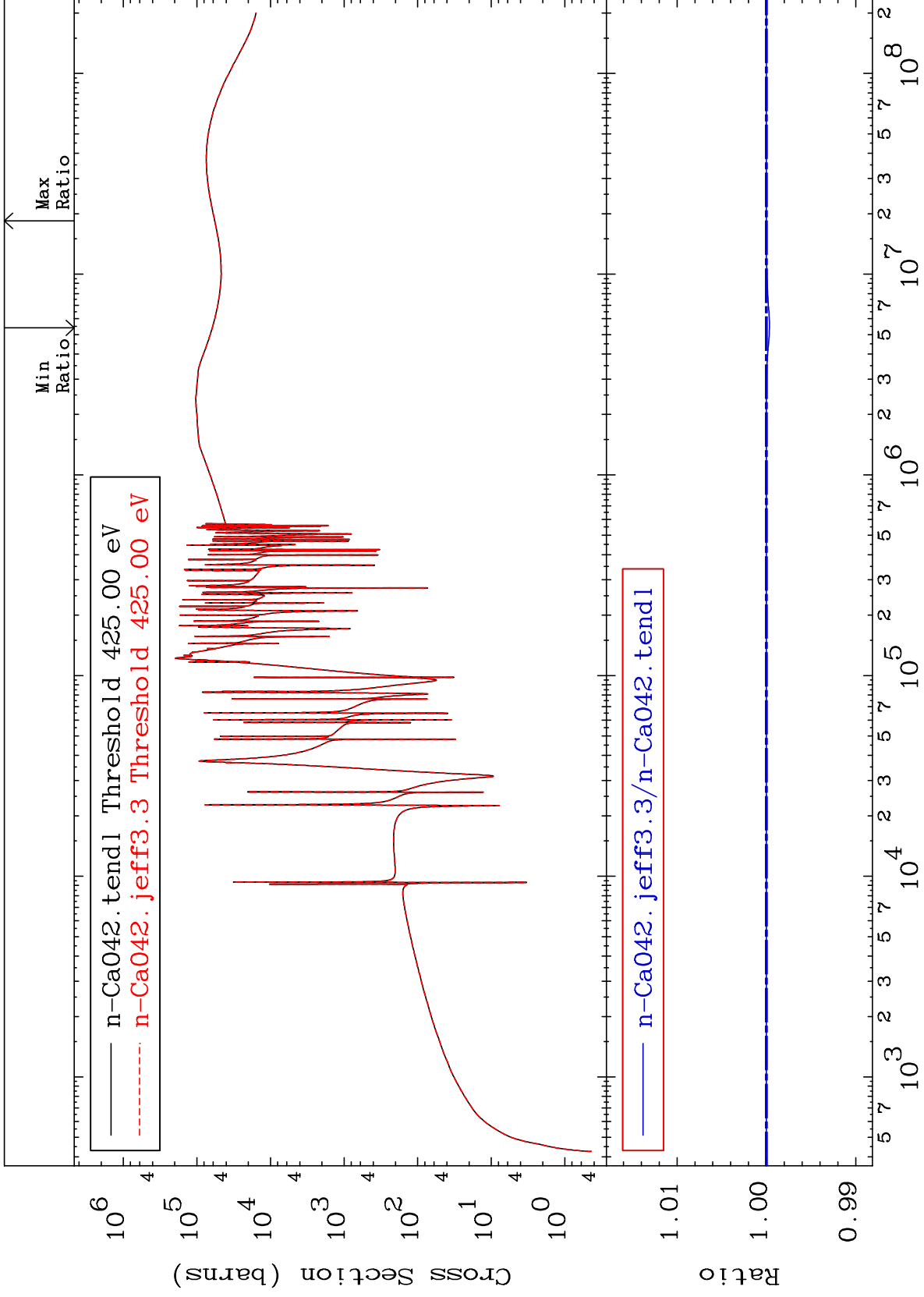
20-Ca-42

75

MAT 2031

Dpa elastic (mt2)  
Cross Section

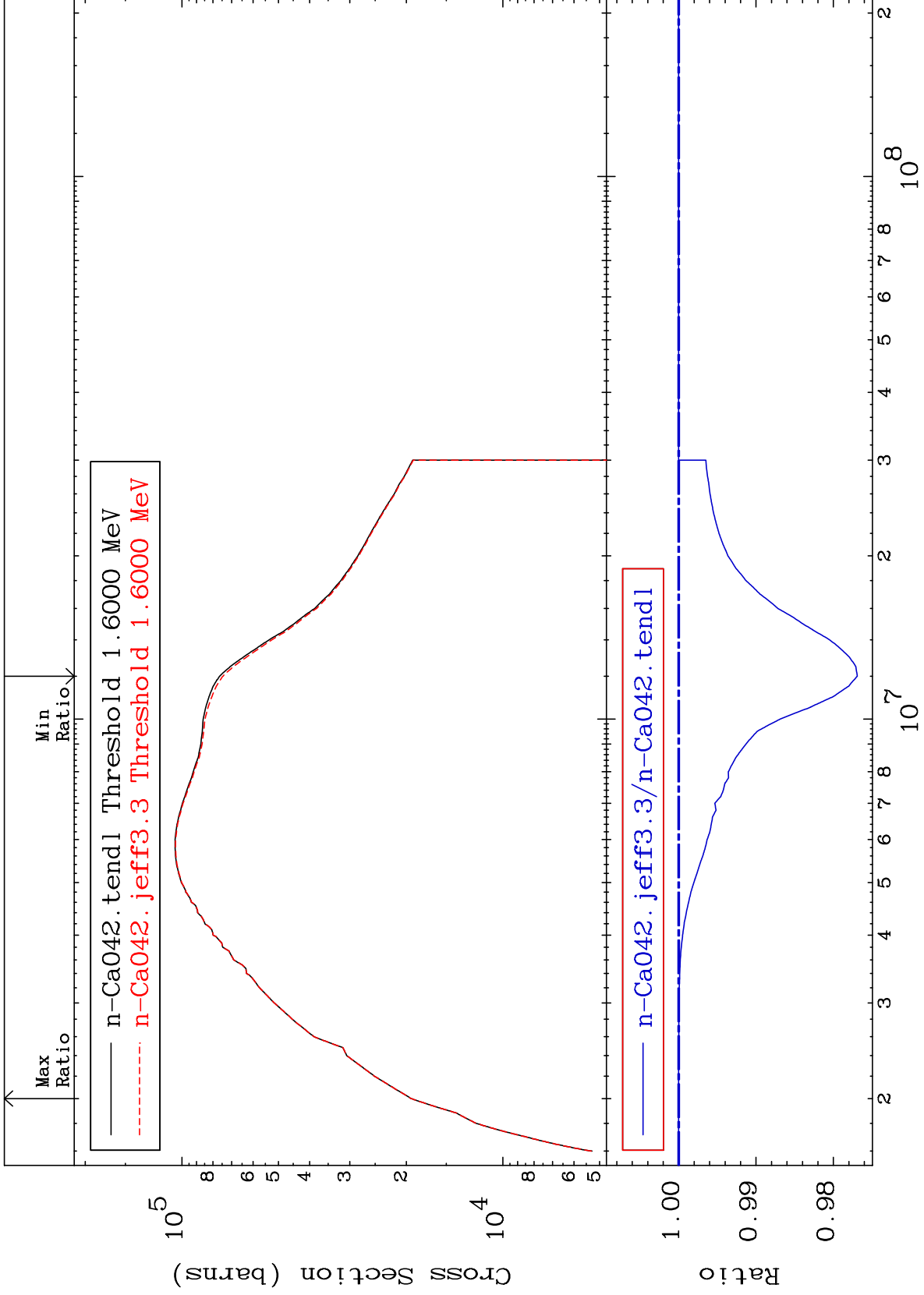
20-Ca-42  
-0.035 To 0.000 %



MAT 2031

Dpa inelastic (mt51-91)  
Cross Section

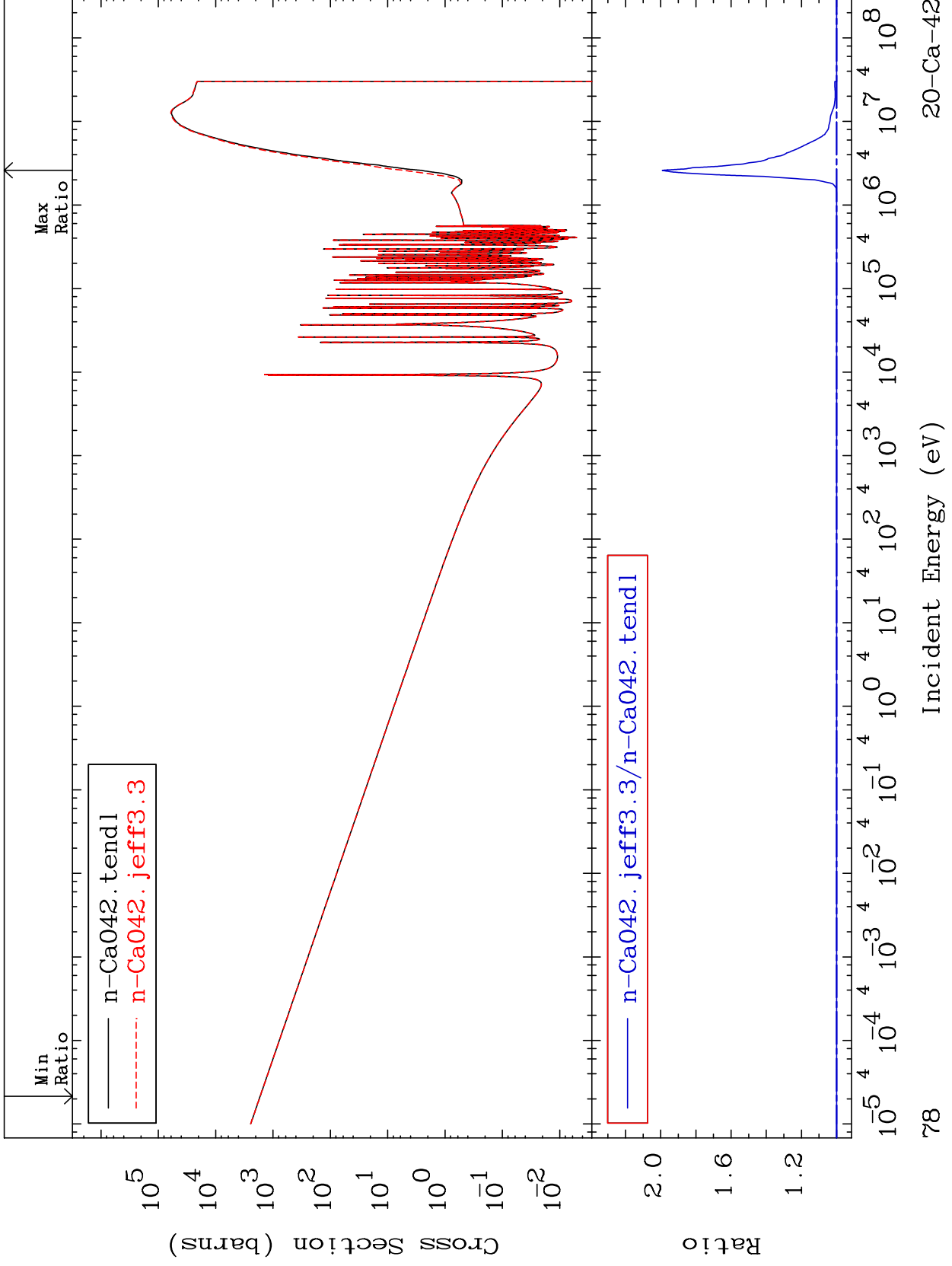
20-Ca-42  
-2.308 To 0.000 %



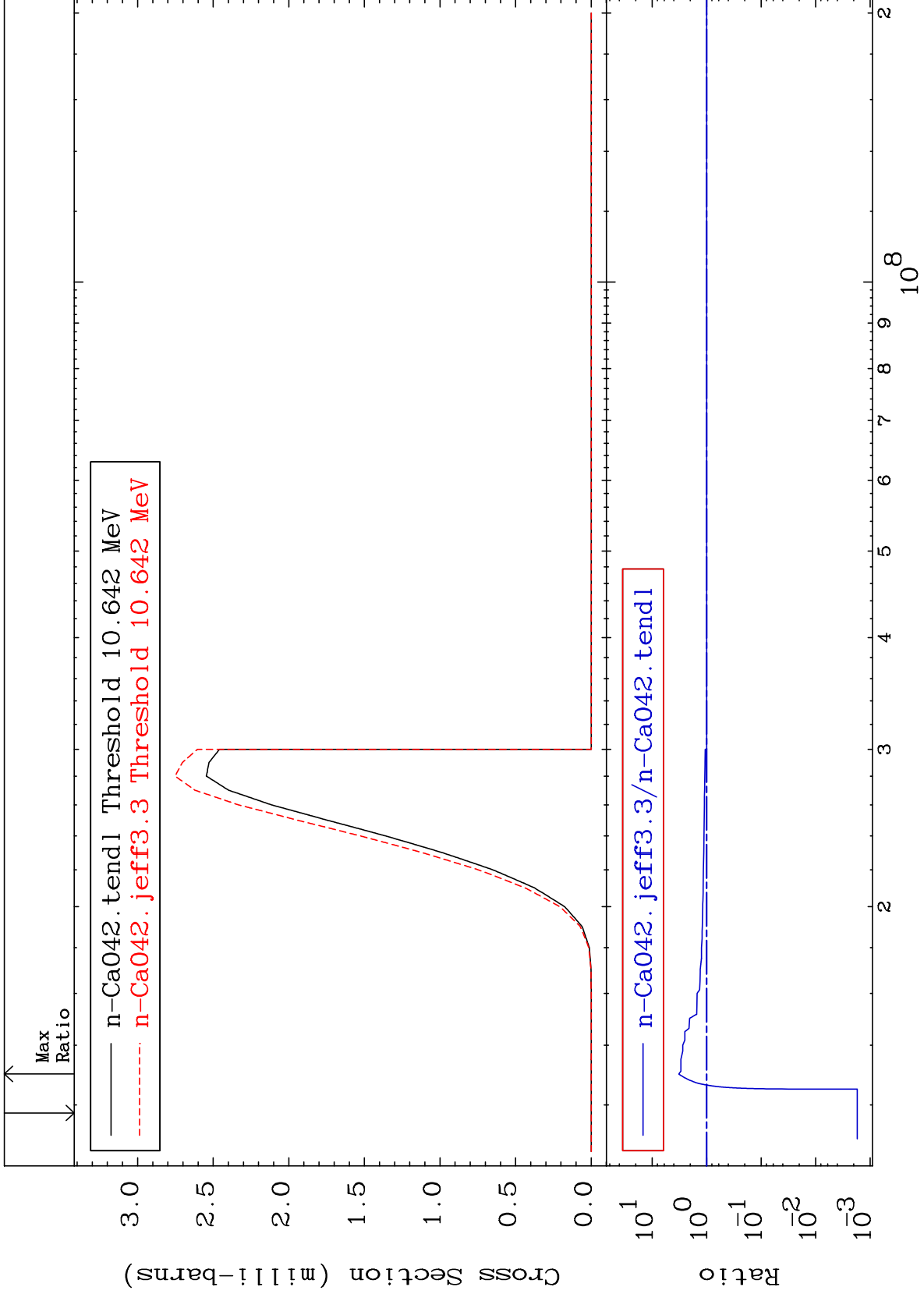
MAT 2031

Dpa disappearance (mt102 -120)  
Cross Section

20-Ca-42  
-0.018 To 99.09 %



Radionuclide Production Cross Section -99.83 To 227.0 %

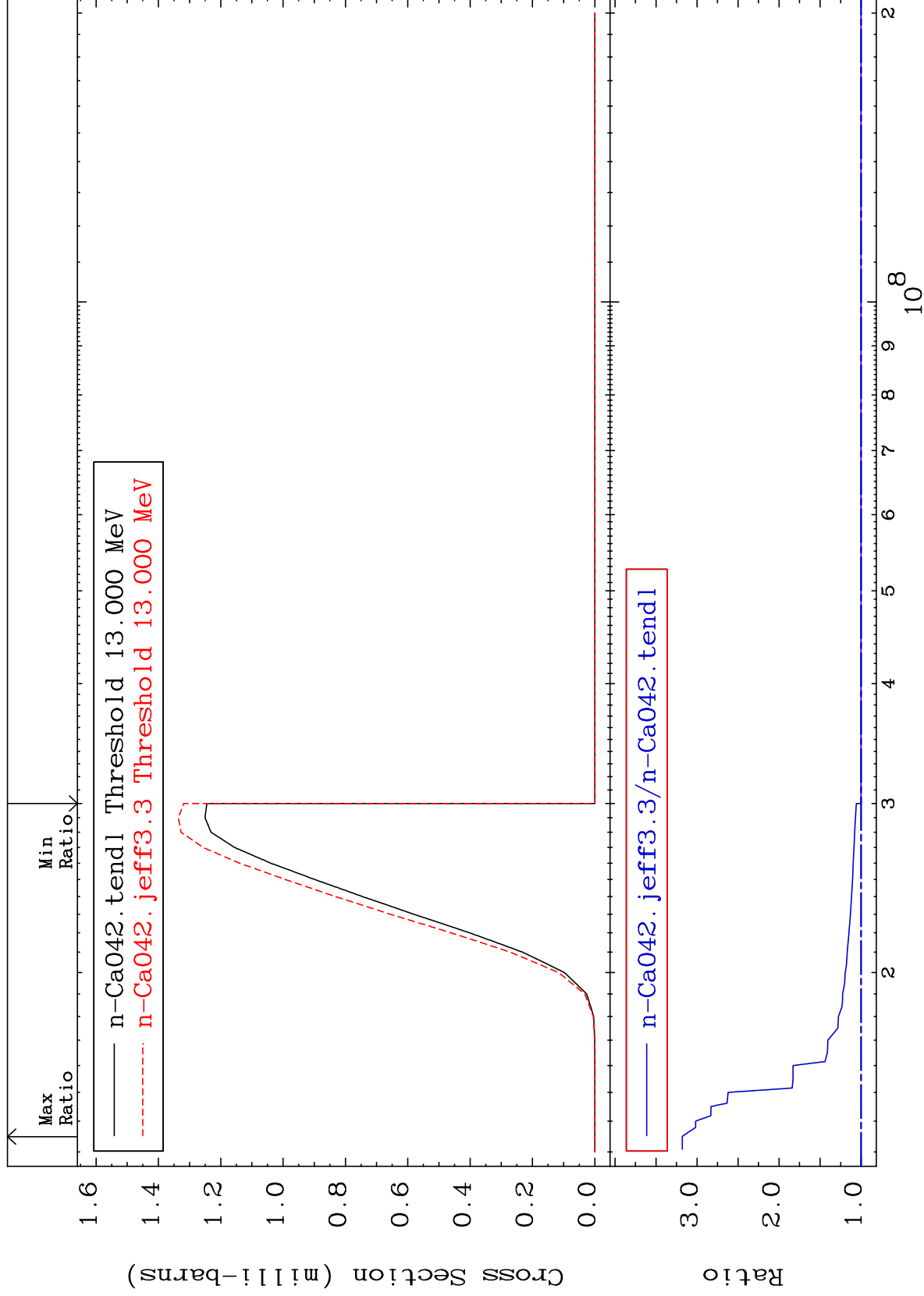


MAT 2031

(n, p)  $\alpha$ : 17-Cl-38m1

20-Ca-42

Radionuclide Production Cross Section 0.000 To 217.9 %



80

Incident Energy (eV)

20-Ca-42