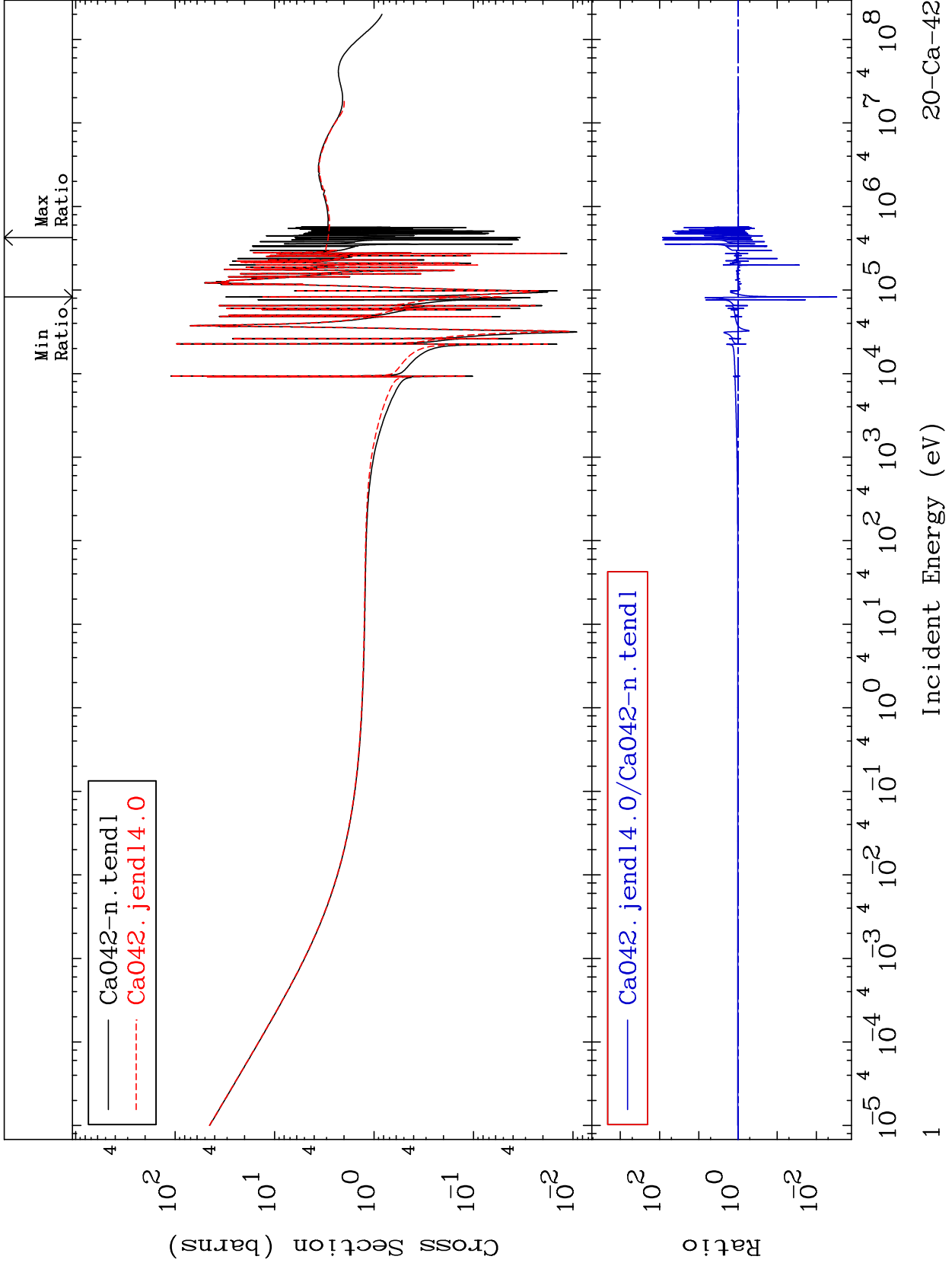


MAT 2031

Total  
Cross Section

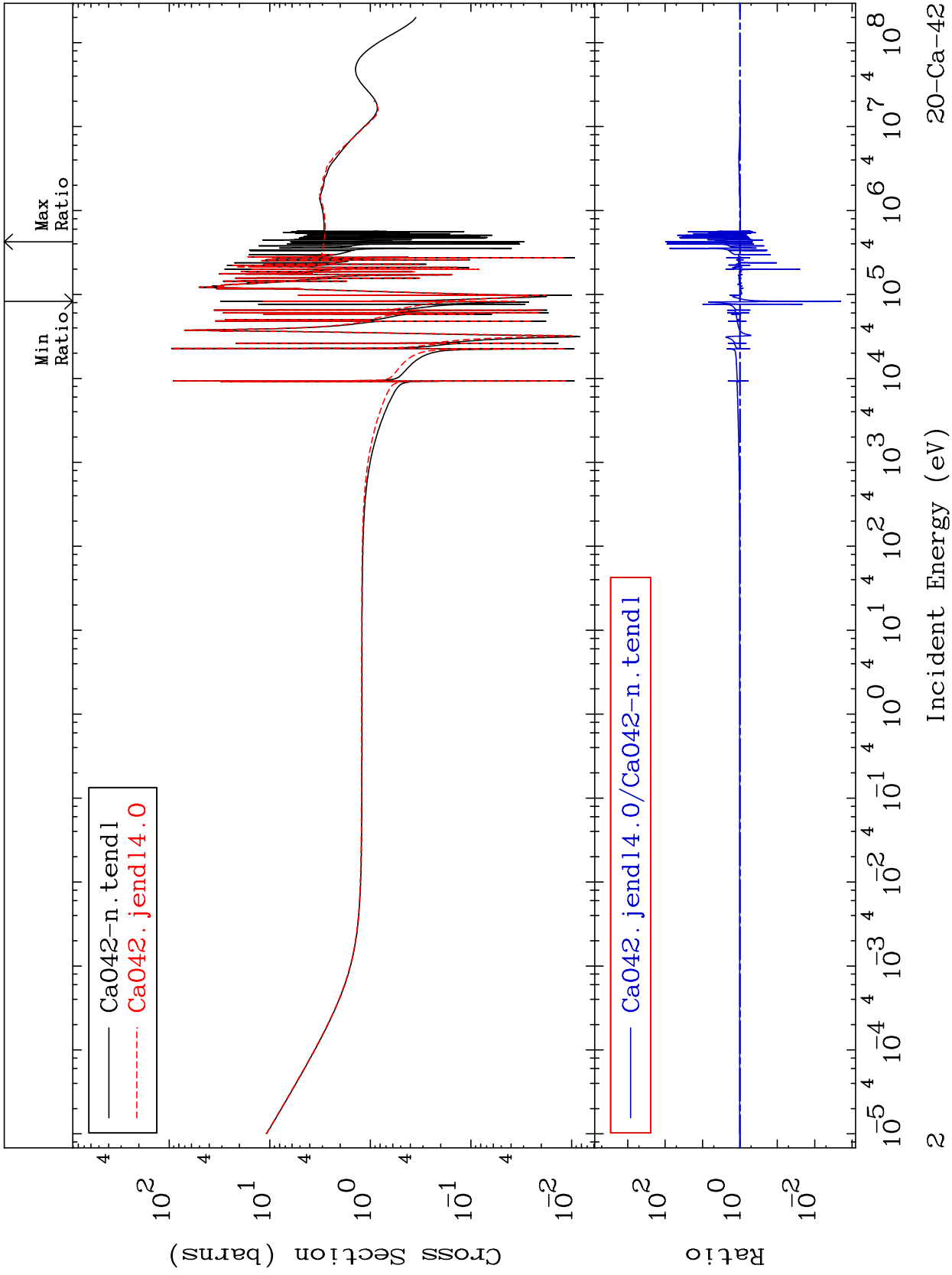
20-Ca-42  
-99.70 To 8394. %



MAT 2031

Elastic  
Cross Section

20-Ca-42  
-99.80 To 9643. %



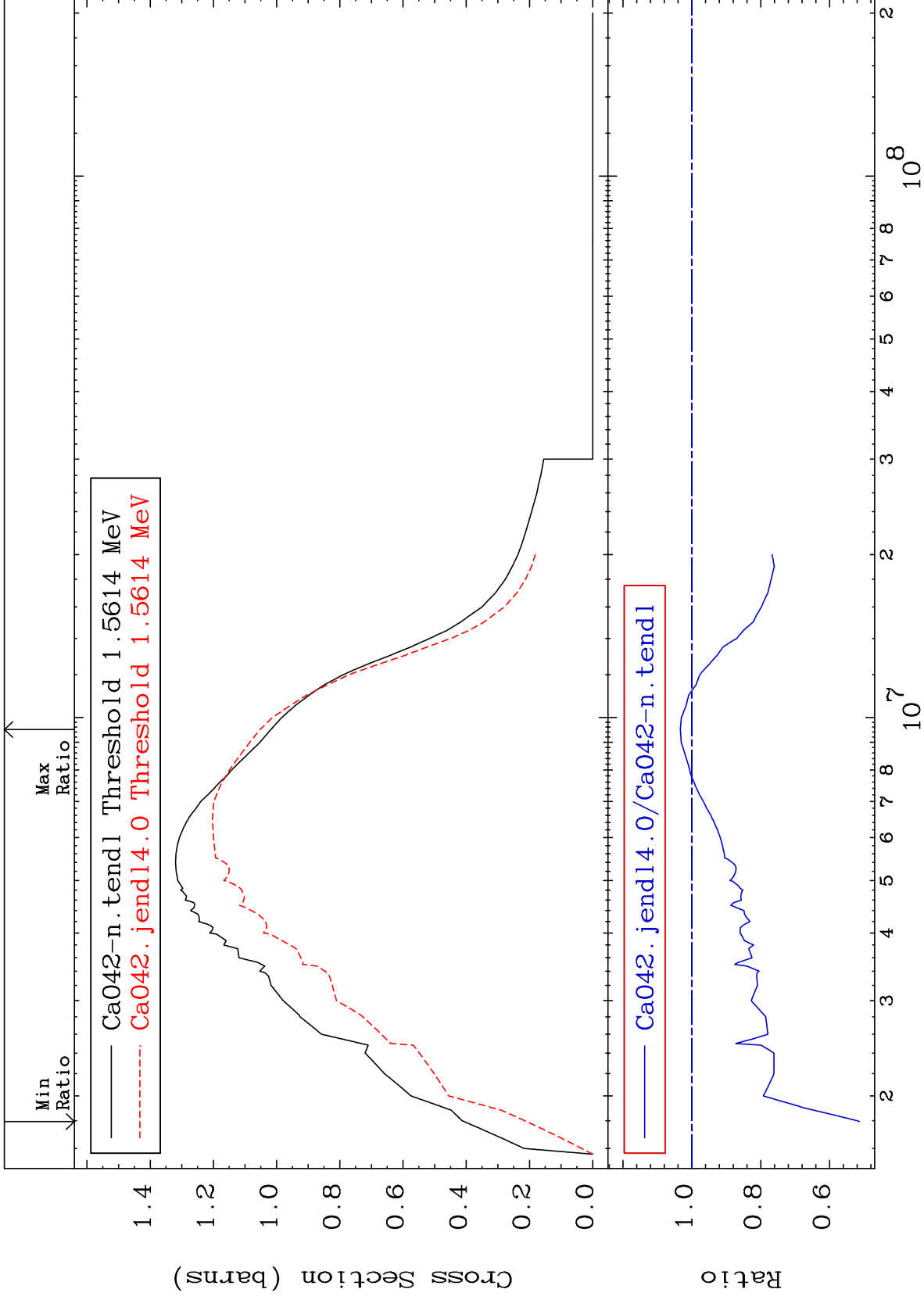
20-Ca-42

Incident Energy (eV)

MAT 2031

Inelastic  
Cross Section

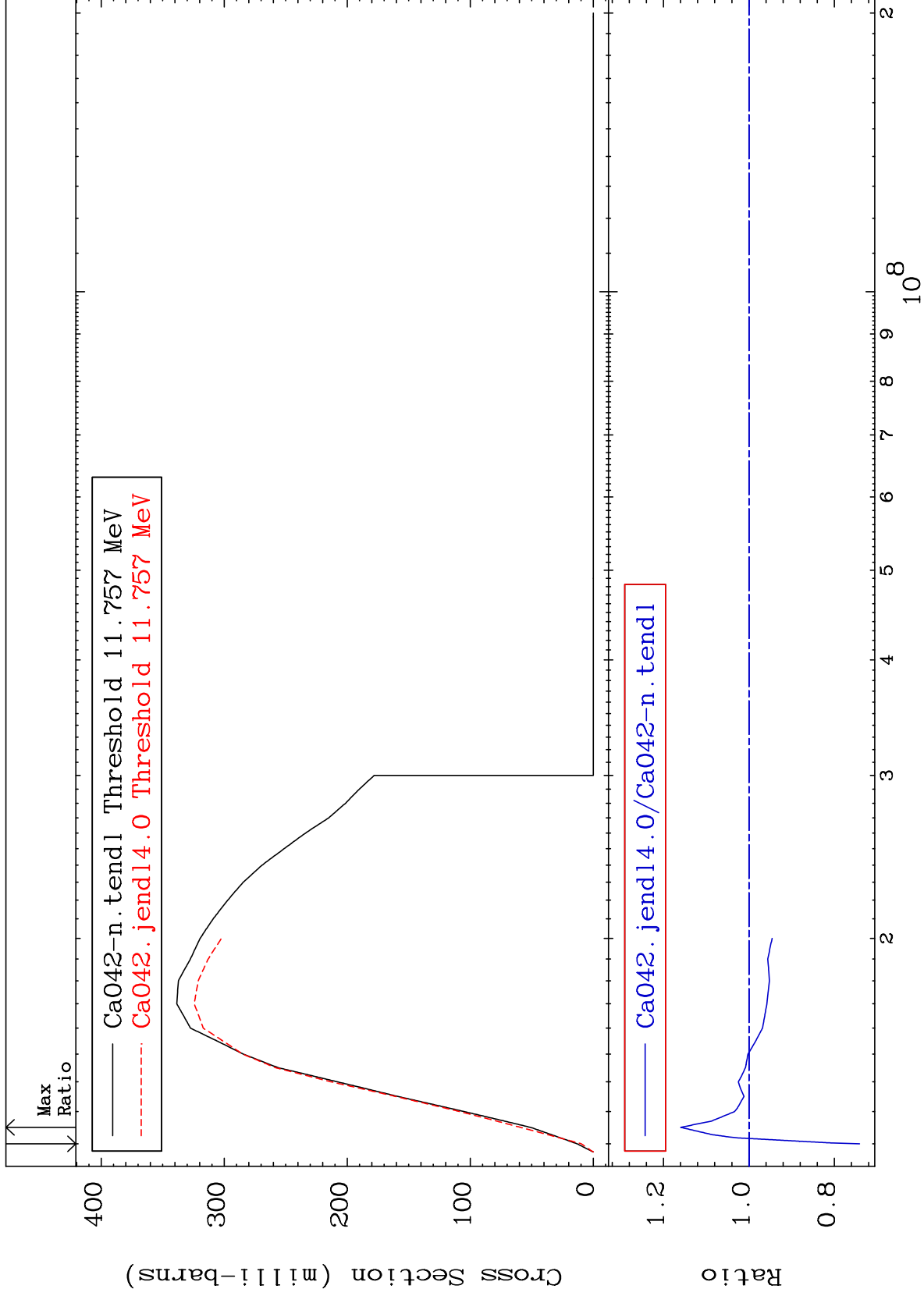
20-Ca-42  
-48.65 To 3.333 %



MAT 2031

(n,2n)  
Cross Section

20-Ca-42  
-25.88 To 15.95 %



4

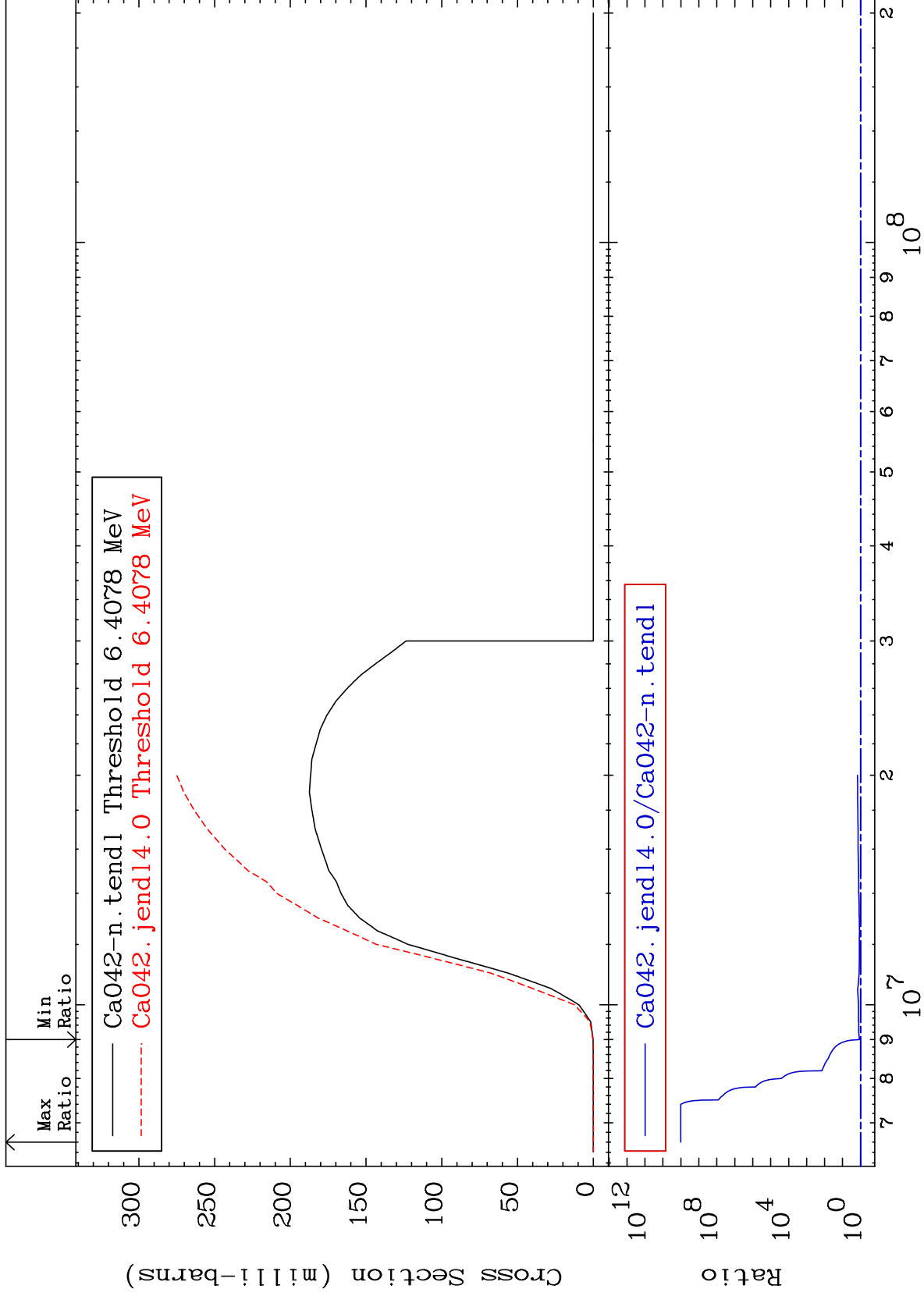
Incident Energy (eV)

20-Ca-42

MAT 2031

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

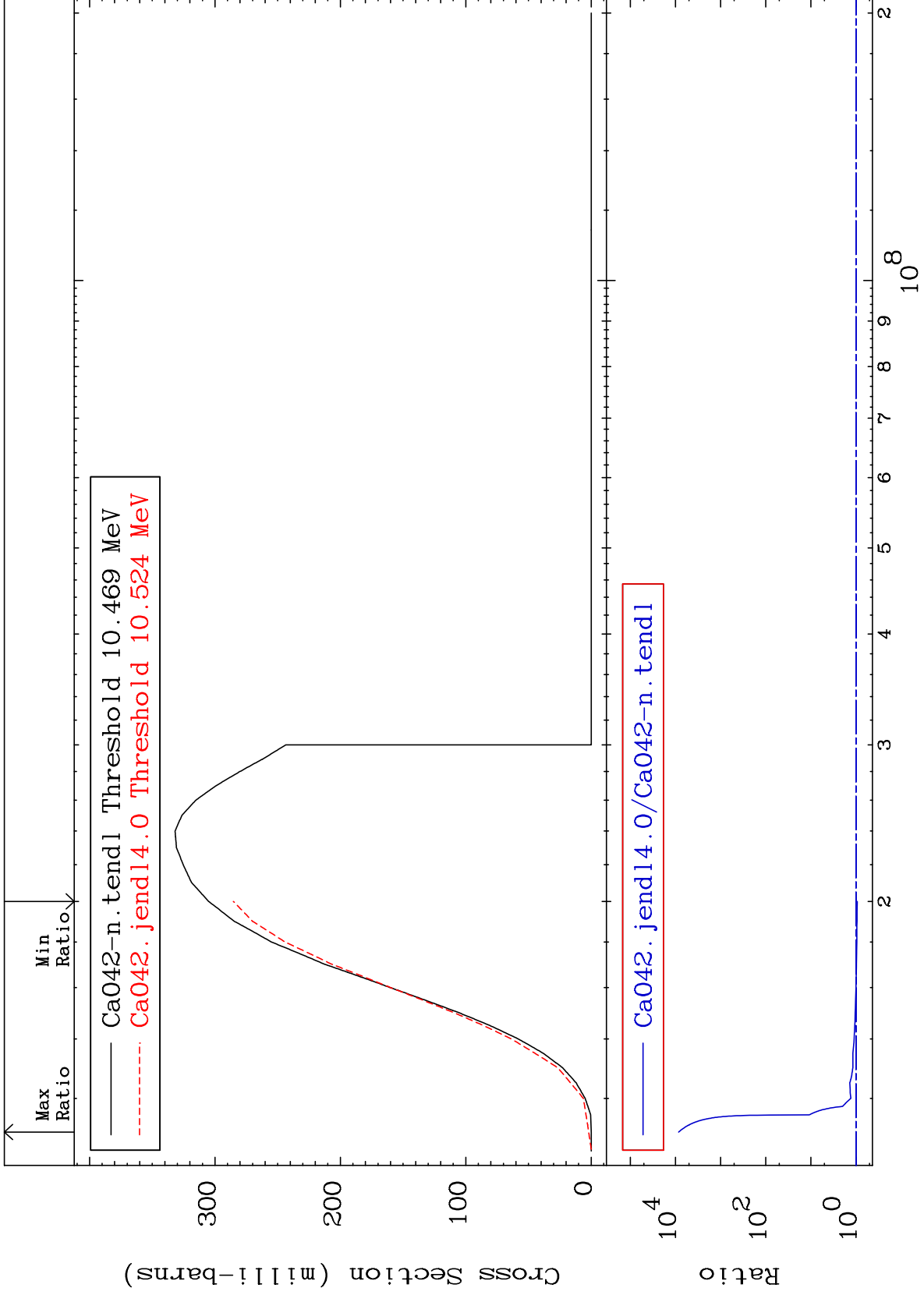
20-Ca-42  
13.60 To 9999. %



MAT 2031

(n,n') p  
Cross Section

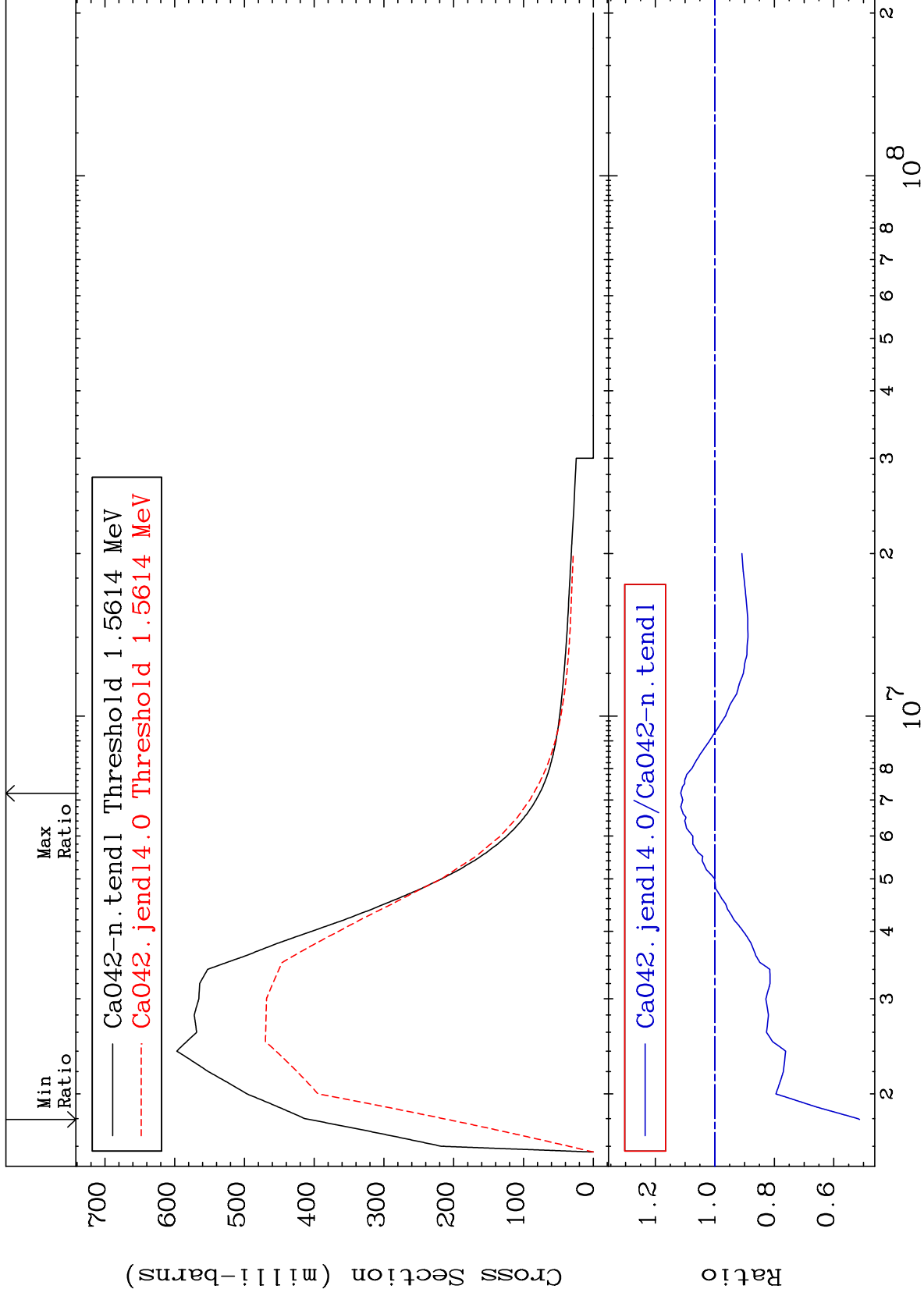
20-Ca-42  
-6.466 To 9999. %



MAT 2031

1.525 MeV (n,n') Level  
Cross Section

20-Ca-42  
-48.65 To 11.45 %



7

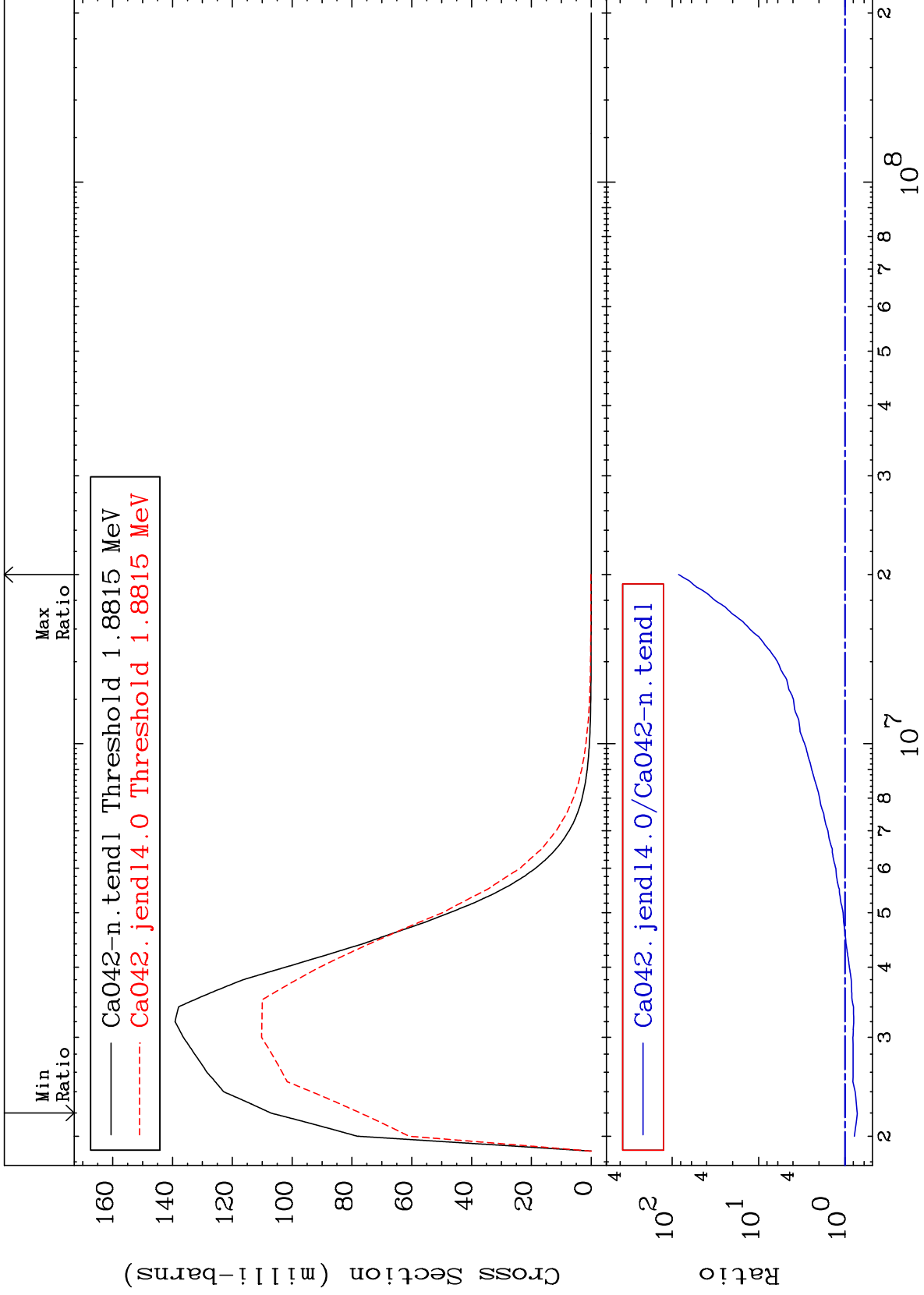
Incident Energy (eV)

20-Ca-42

MAT 2031

1.837 MeV (n,n') Level  
Cross Section

20-Ca-42  
-27.98 To 8330. %



8

Incident Energy (eV)

20-Ca-42



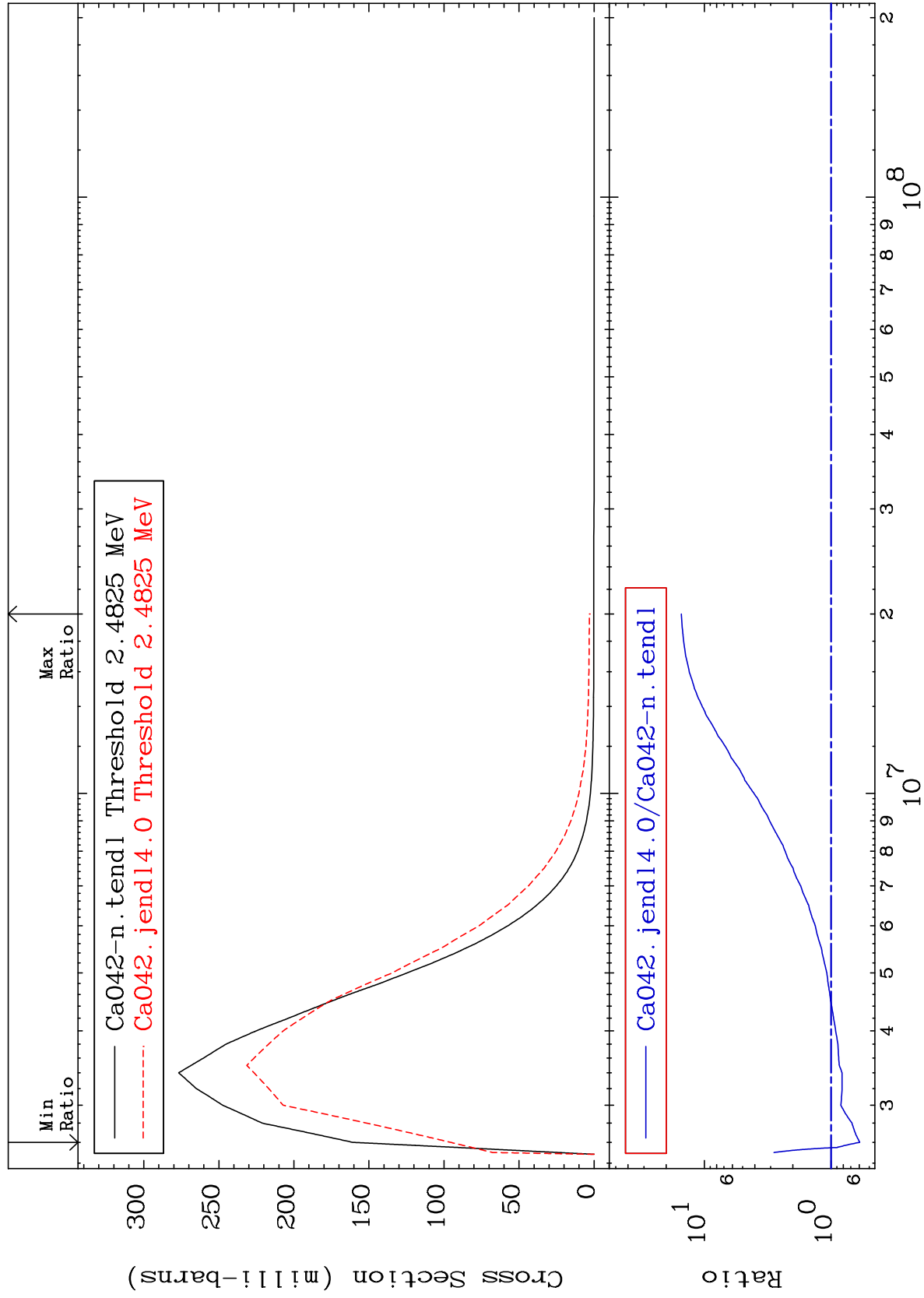
MAT 2031

2.424 MeV (n,n') Level

20-Ca-42

-40.54 To 1418. %

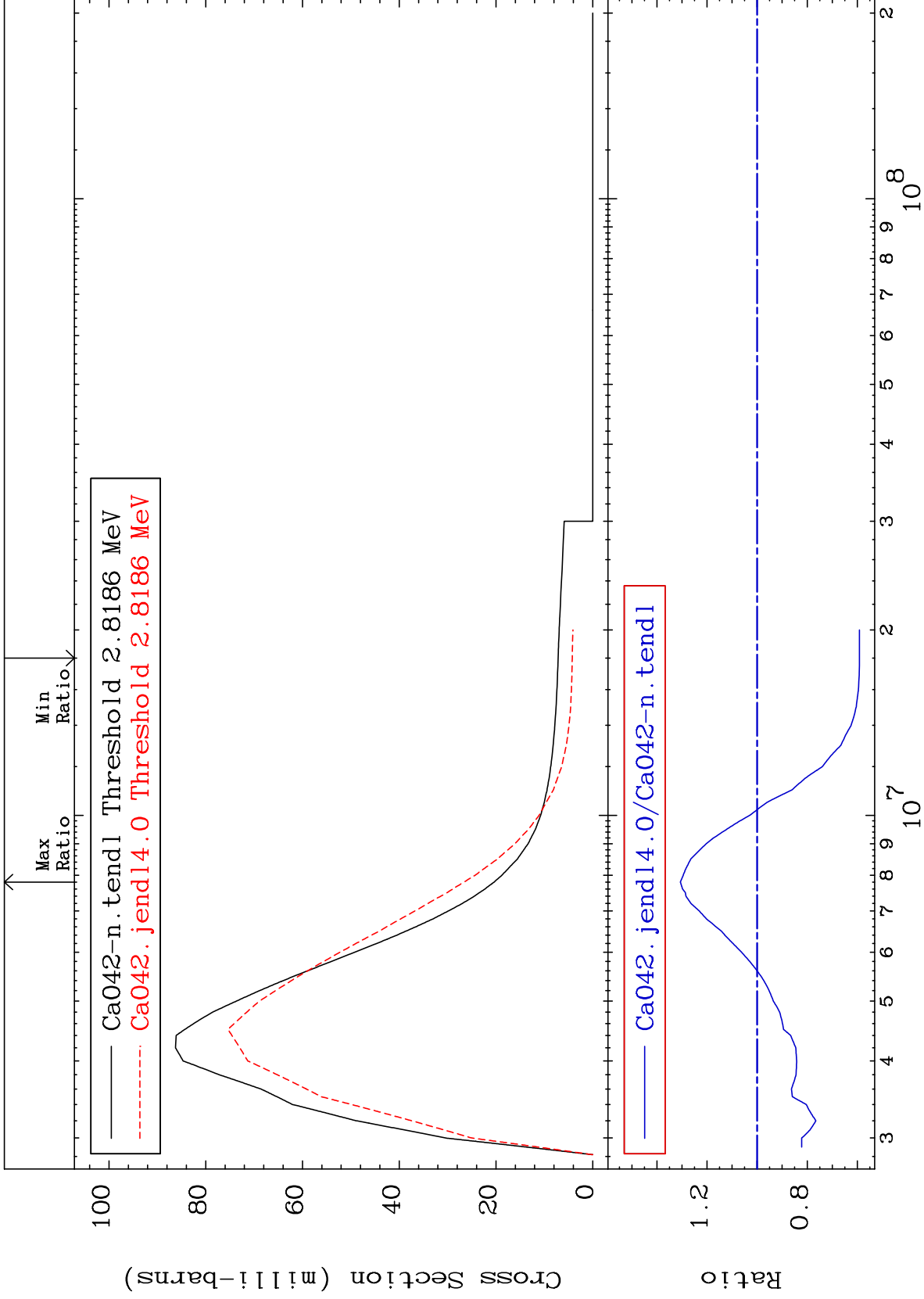
Cross Section



MAT 2031

2.752 MeV (n,n') Level  
Cross Section

20-Ca-42  
-40.86 To 30.67 %



10

Incident Energy (eV)

20-Ca-42

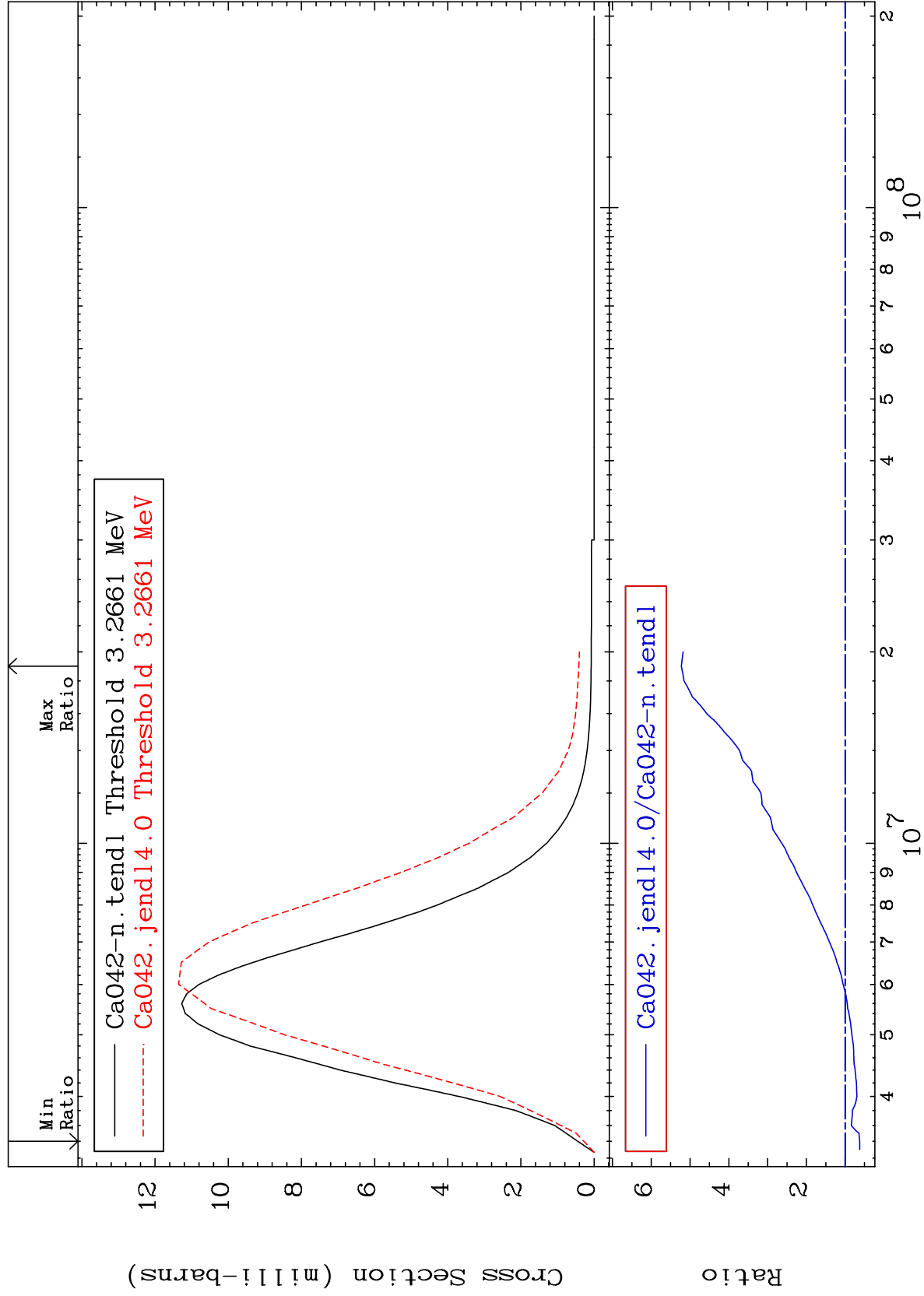
MAT 2031

3.189 MeV (n,n') Level

20-Ca-42

-37.48 To 422.3 %

Cross Section



11

Incident Energy (eV)

20-Ca-42

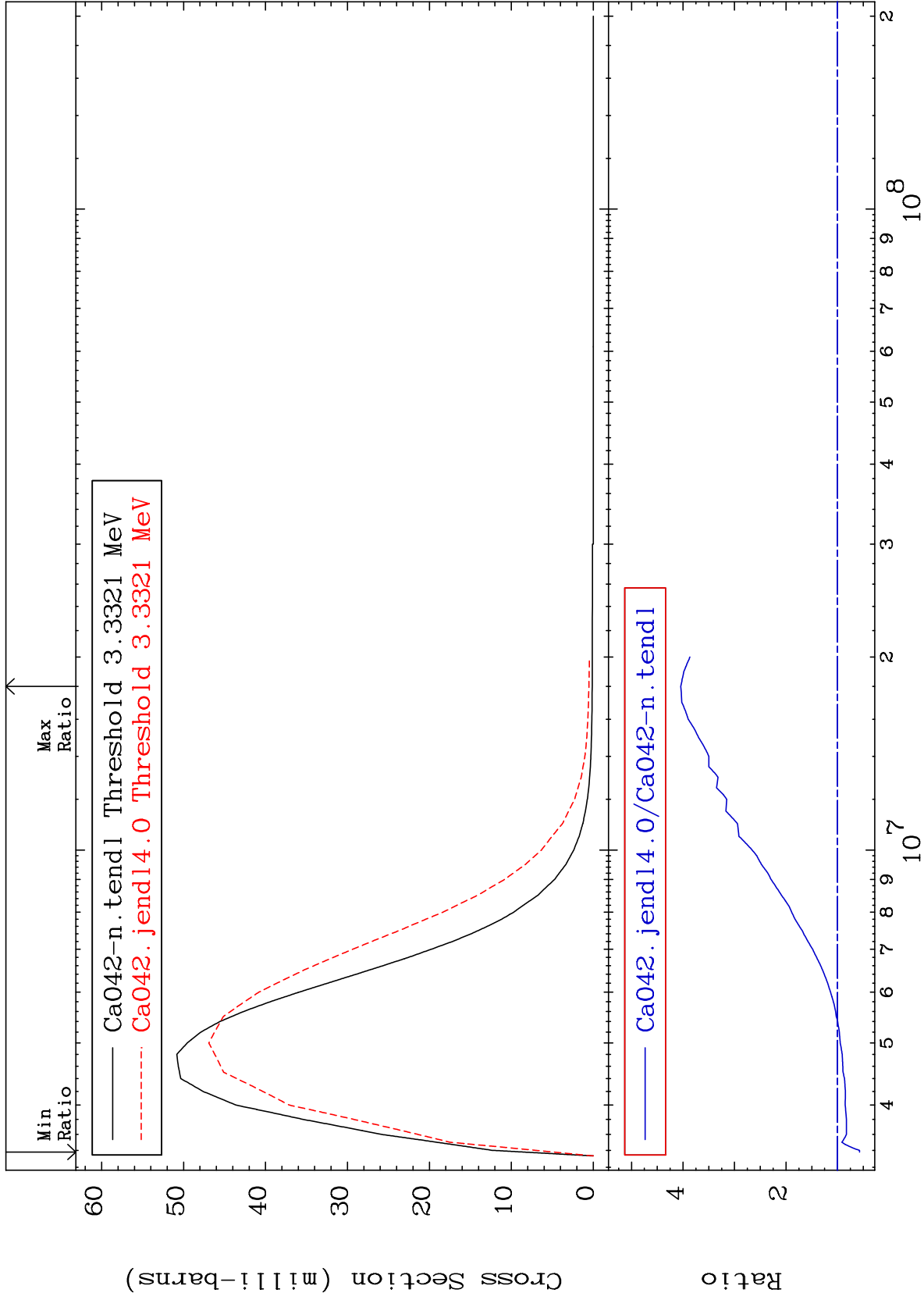
MAT 2031

3.254 MeV (n,n') Level

20-Ca-42

-42.76 To 304.4 %

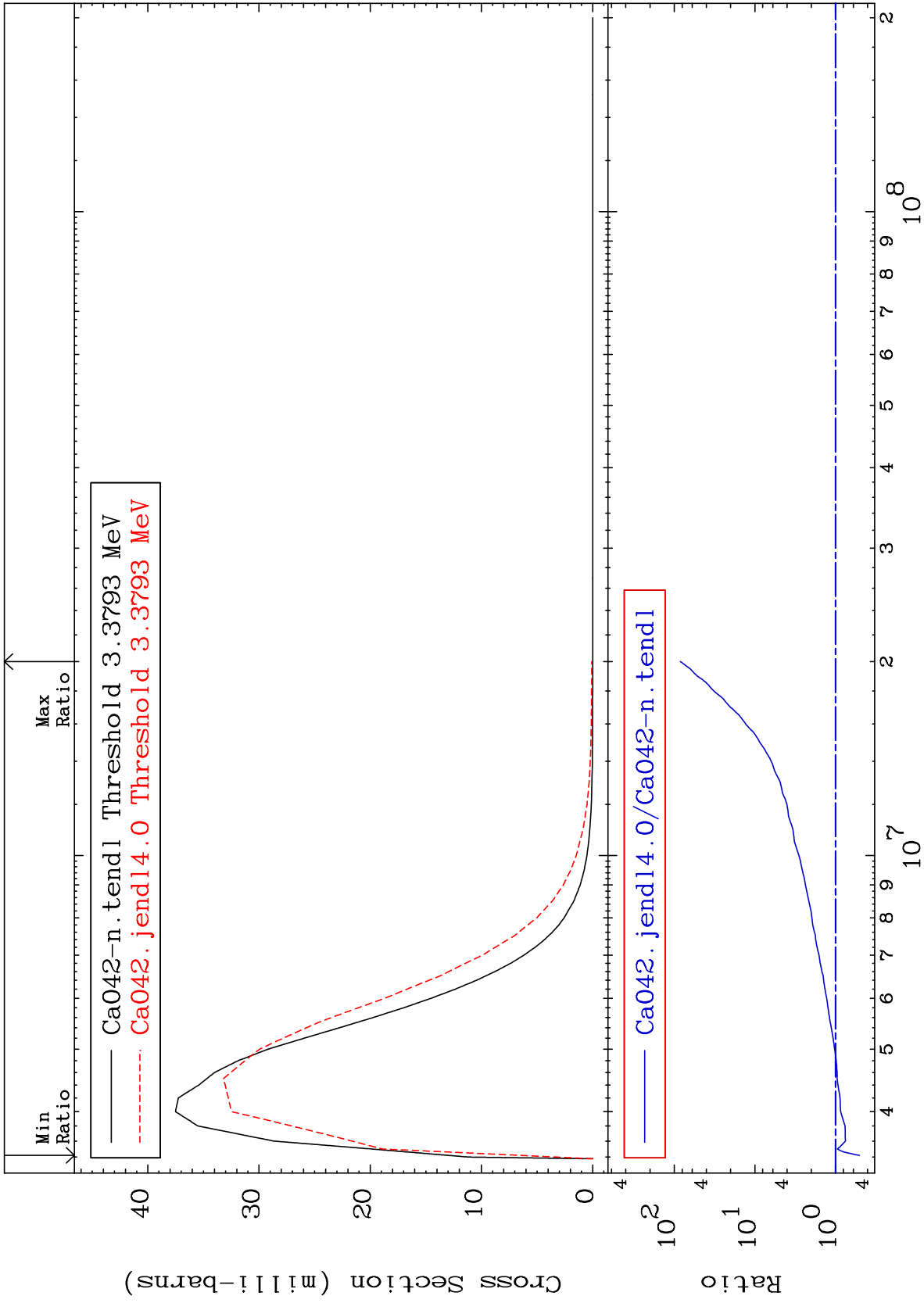
Cross Section



12

Incident Energy (eV)

20-Ca-42



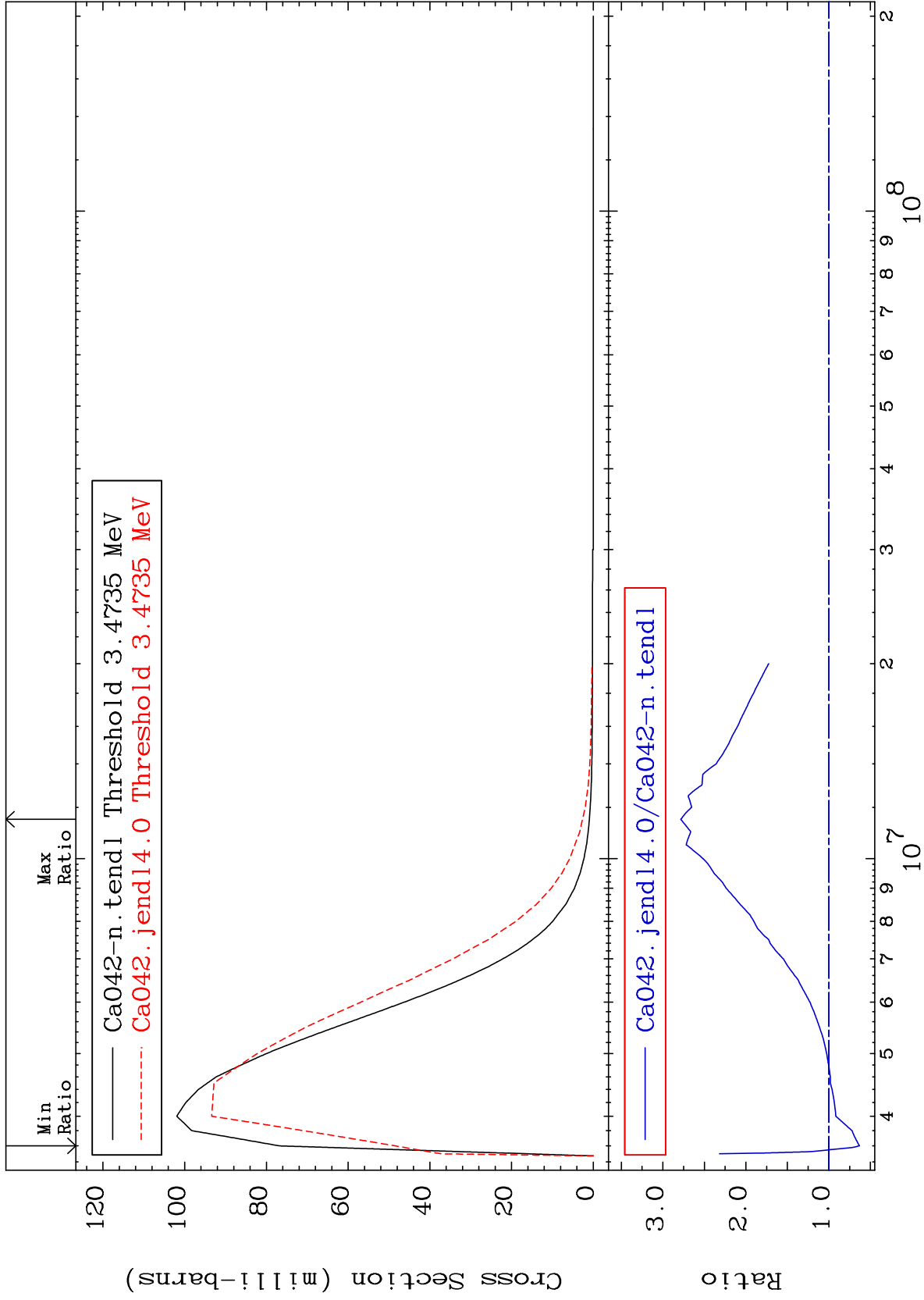
MAT 2031

3.392 MeV (n,n') Level

20-Ca-42

-36.89 To 178.4 %

Cross Section



14

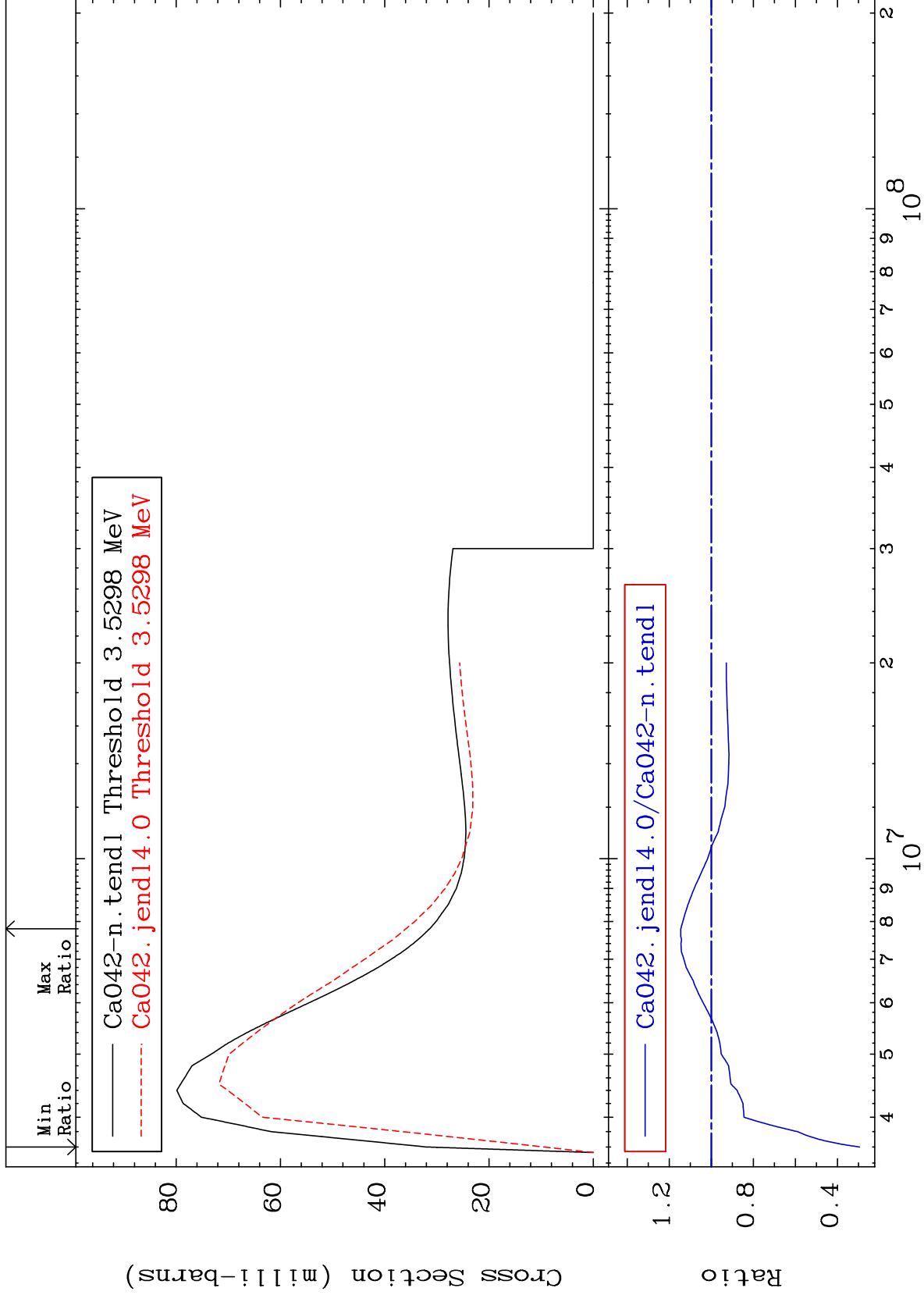
Incident Energy (eV)

20-Ca-42

MAT 2031

3.447 MeV (n,n') Level  
Cross Section

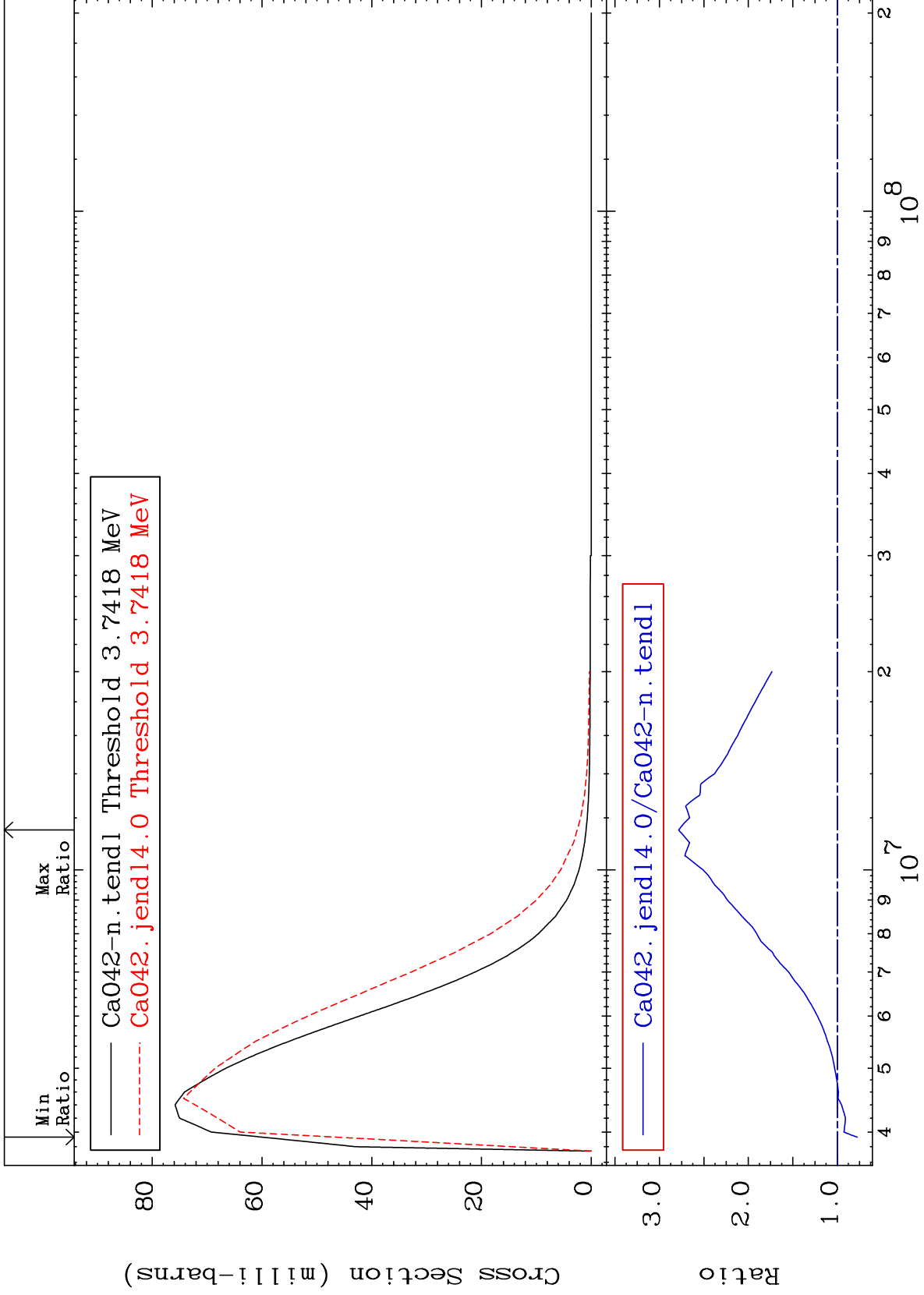
20-Ca-42  
-70.46 To 14.56 %



MAT 2031

3.654 MeV (n,n') Level  
Cross Section

20-Ca-42  
-22.49 To 178.4 %



16

Incident Energy (eV)

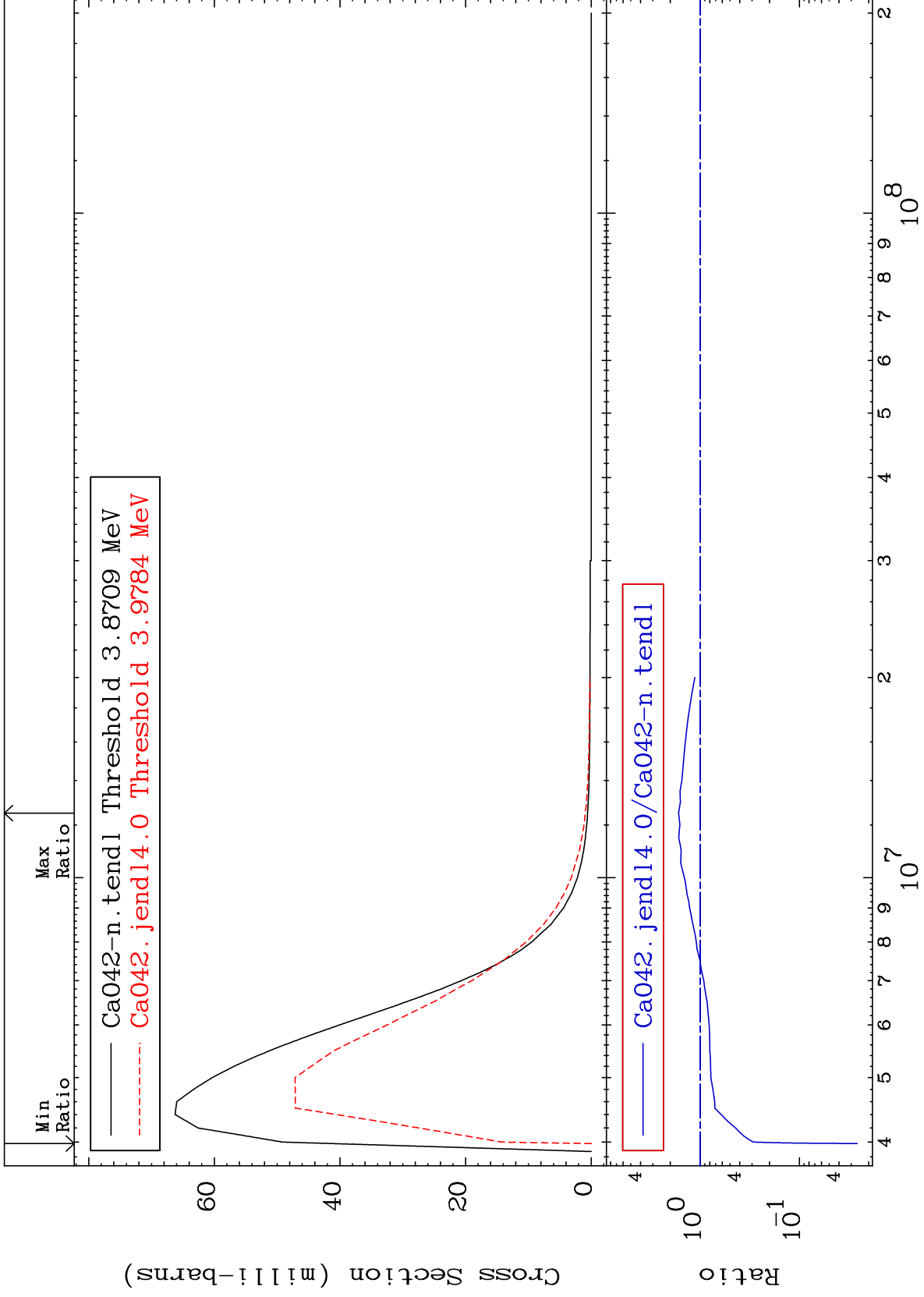
20-Ca-42



MAT 2031

3.780 MeV (n,n') Level  
Cross Section

20-Ca-42  
-97.39 To 64.82 %



17

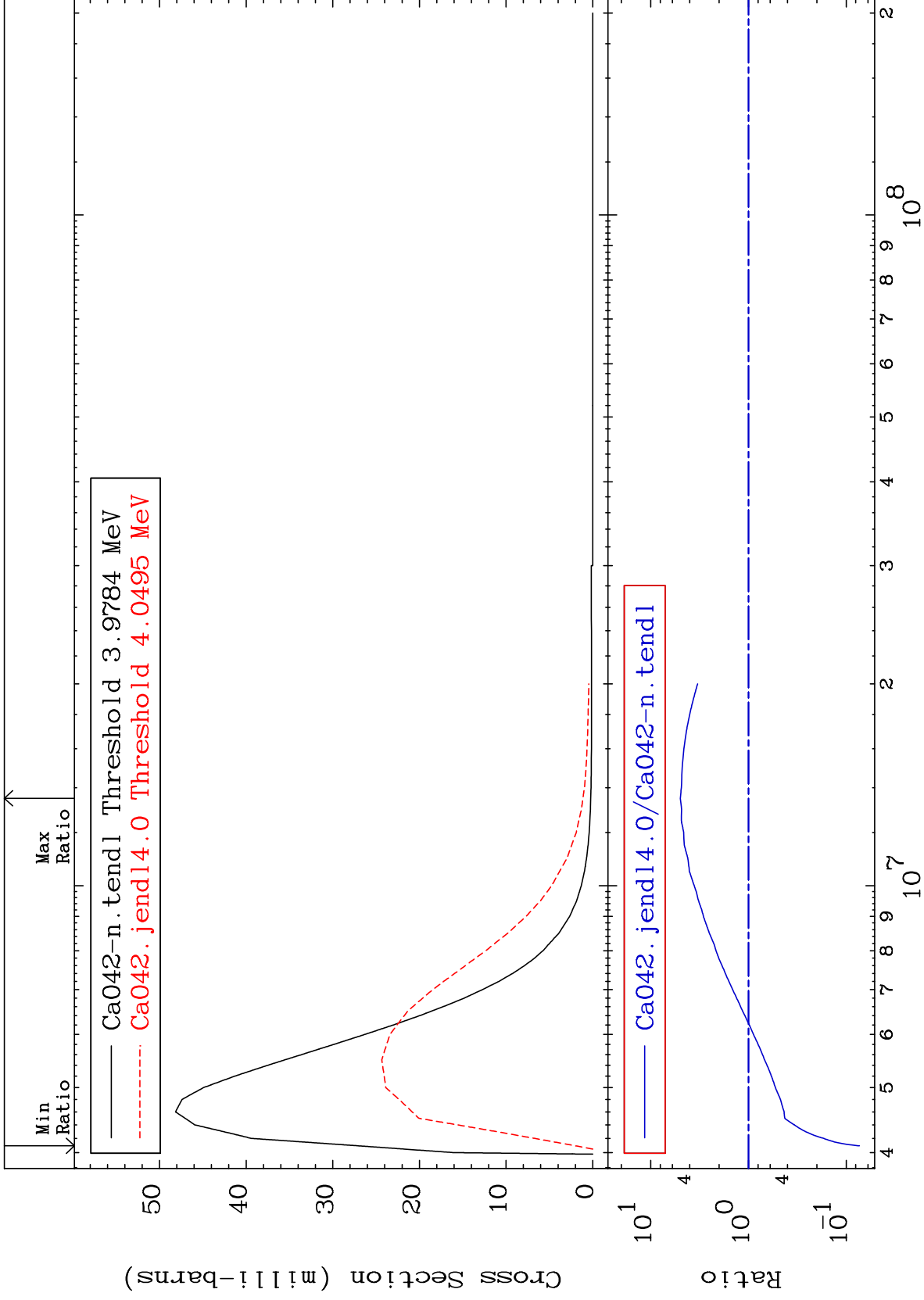
Incident Energy (eV)

20-Ca-42

MAT 2031

3.885 MeV (n,n') Level  
Cross Section

20-Ca-42  
-92.66 To 398.1 %



18

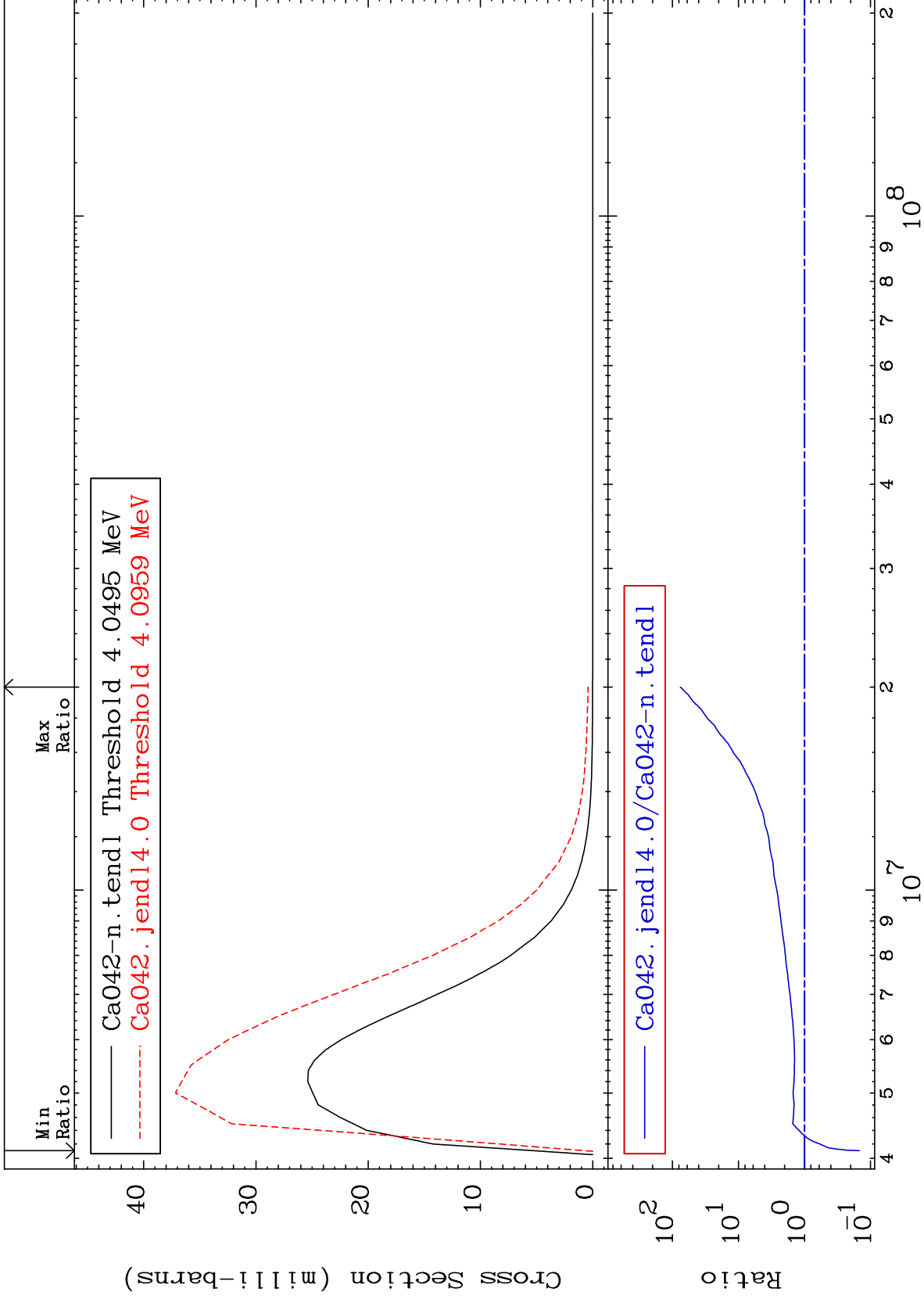
Incident Energy (eV)

20-Ca-42

MAT 2031

3.954 MeV (n,n') Level  
Cross Section

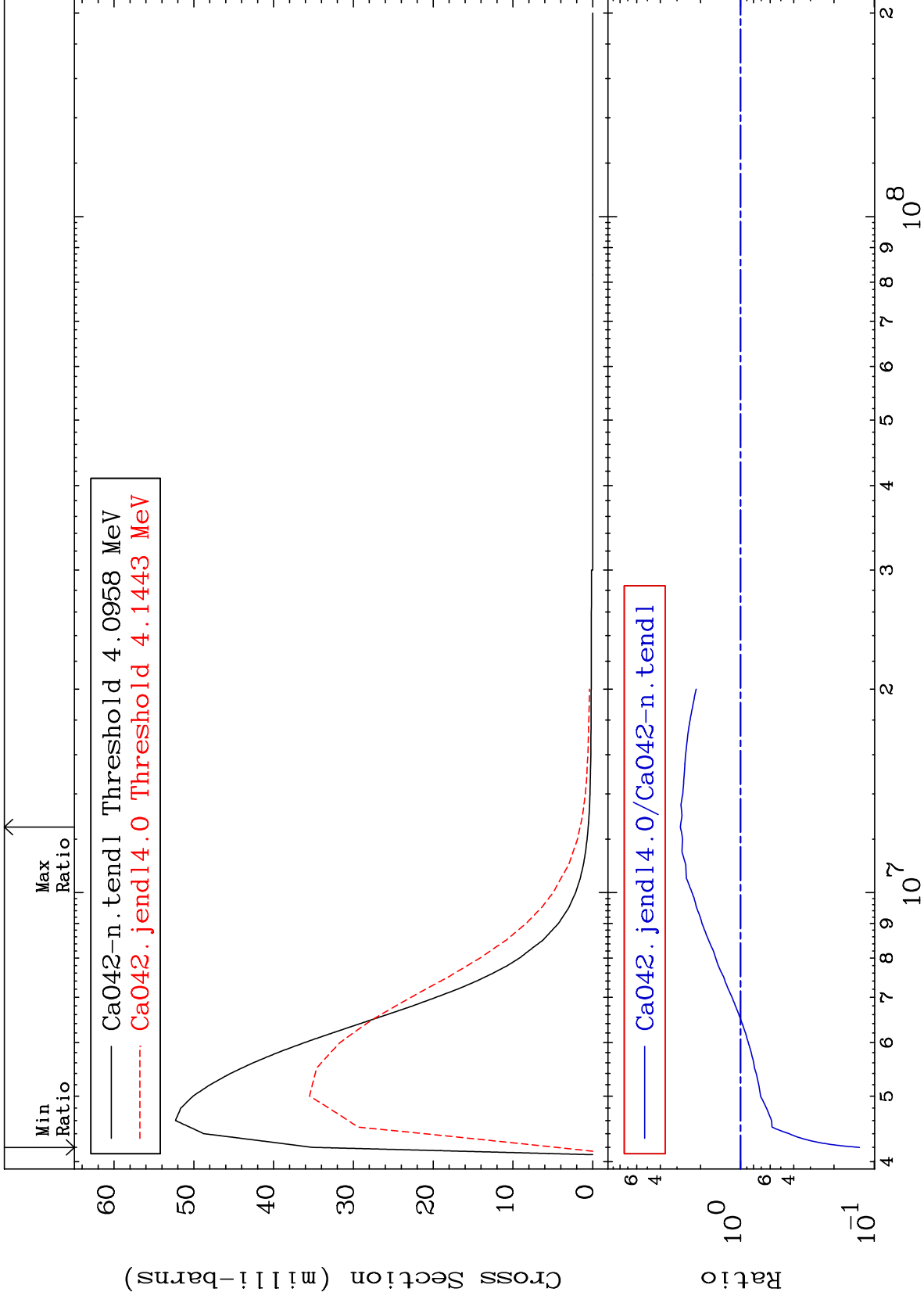
20-Ca-42  
-85.28 To 7497. %



MAT 2031

4.000 MeV (n,n') Level  
Cross Section

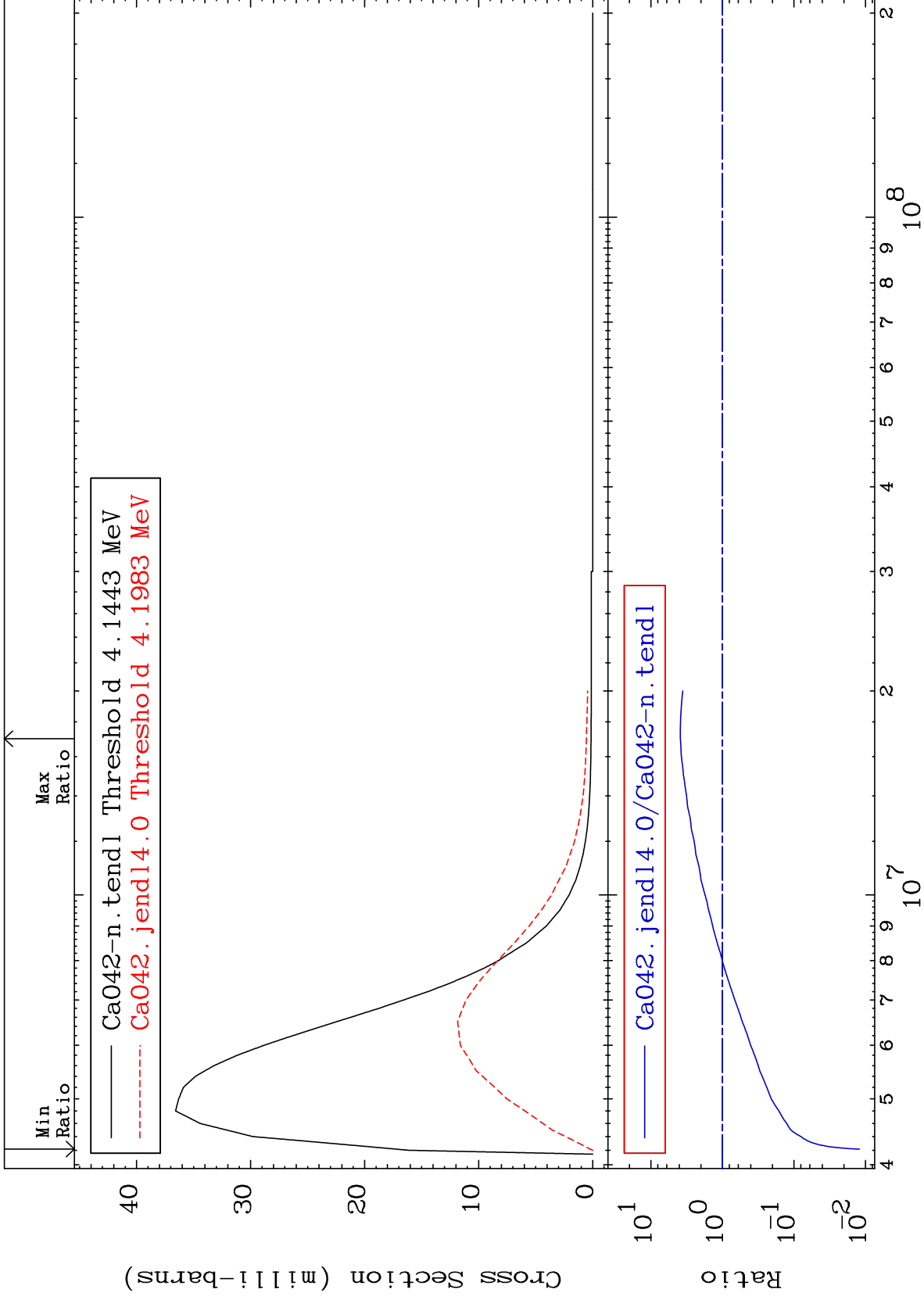
20-Ca-42  
-87.11 To 182.8 %

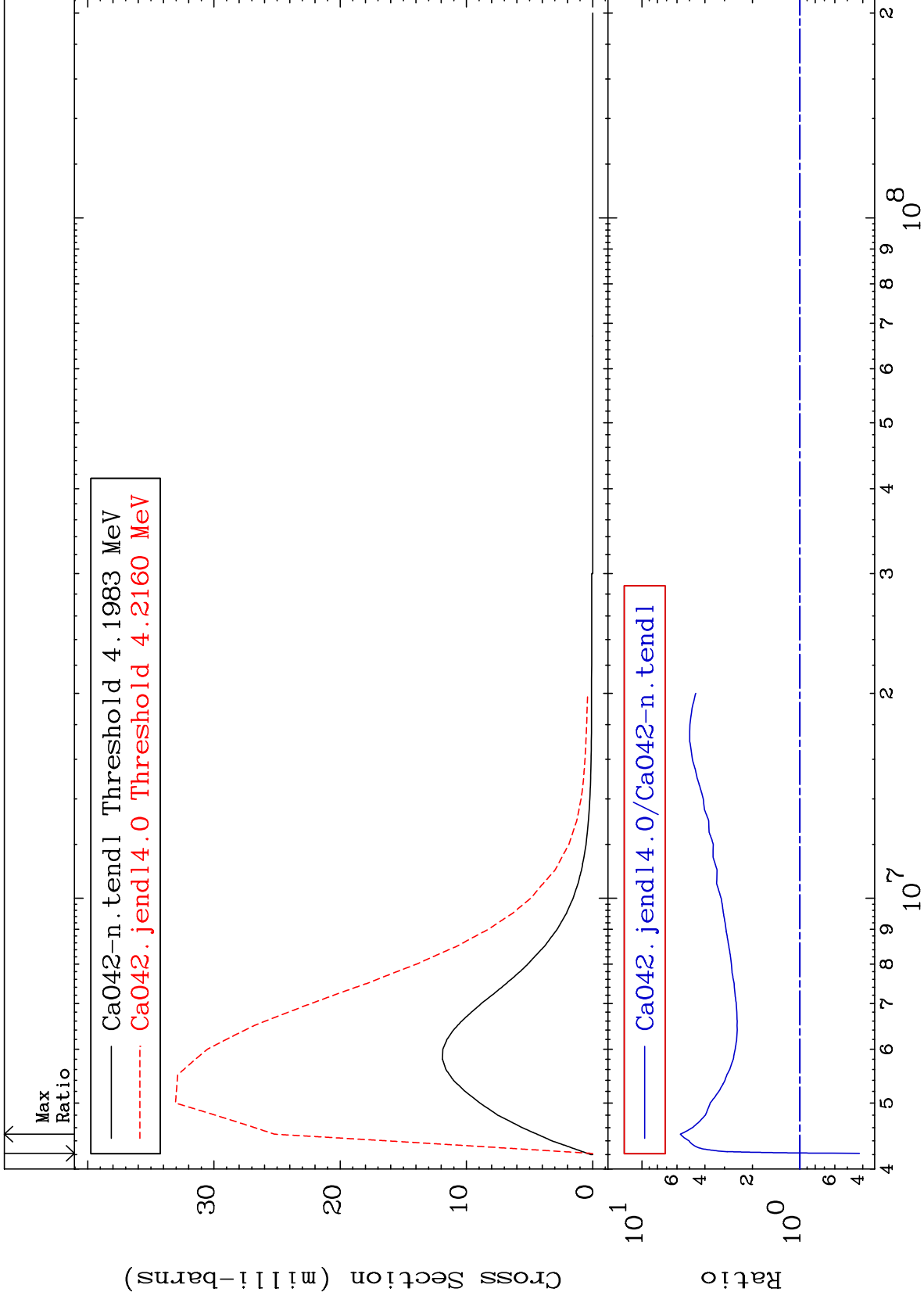


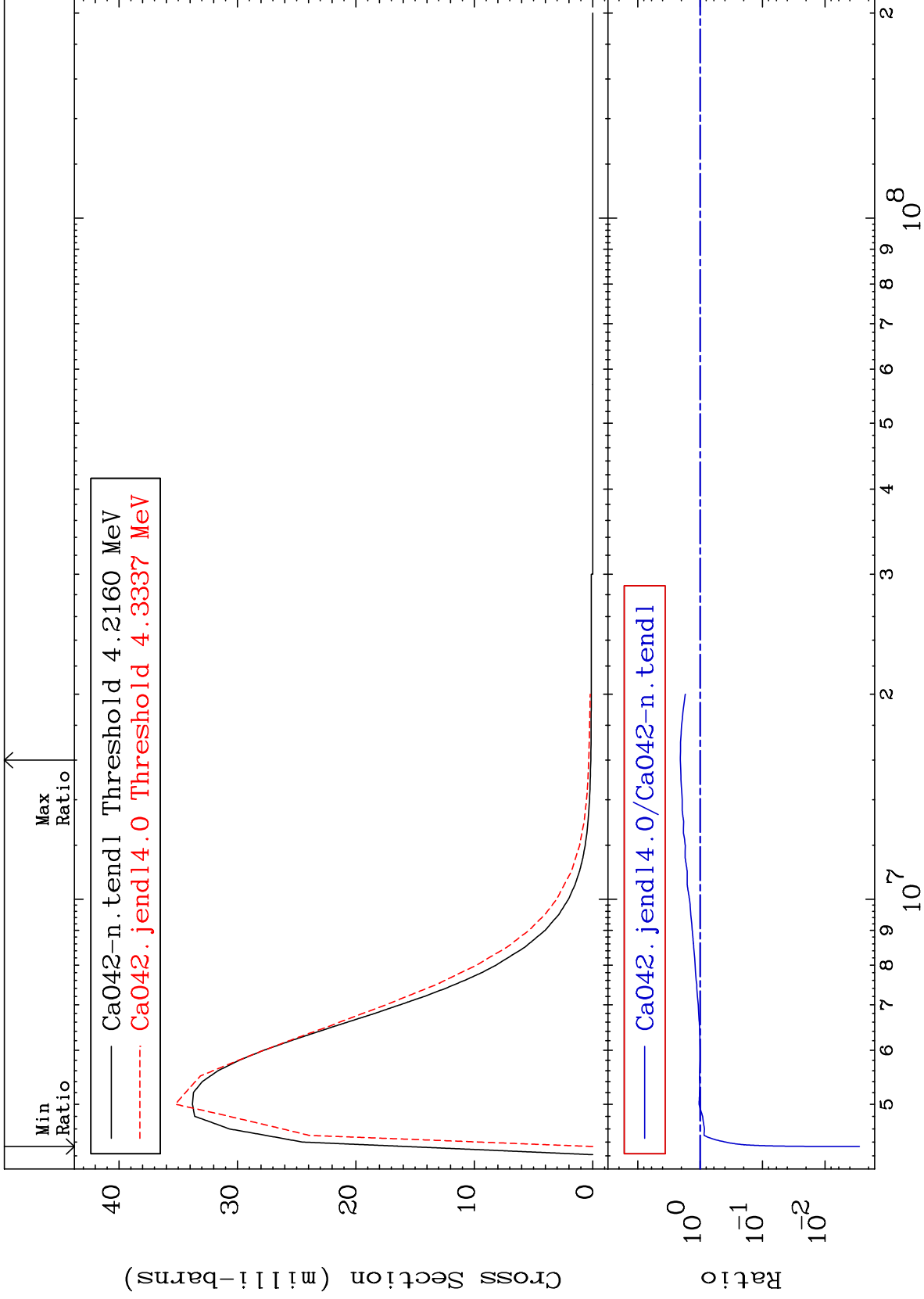
20

Incident Energy (eV)

20-Ca-42



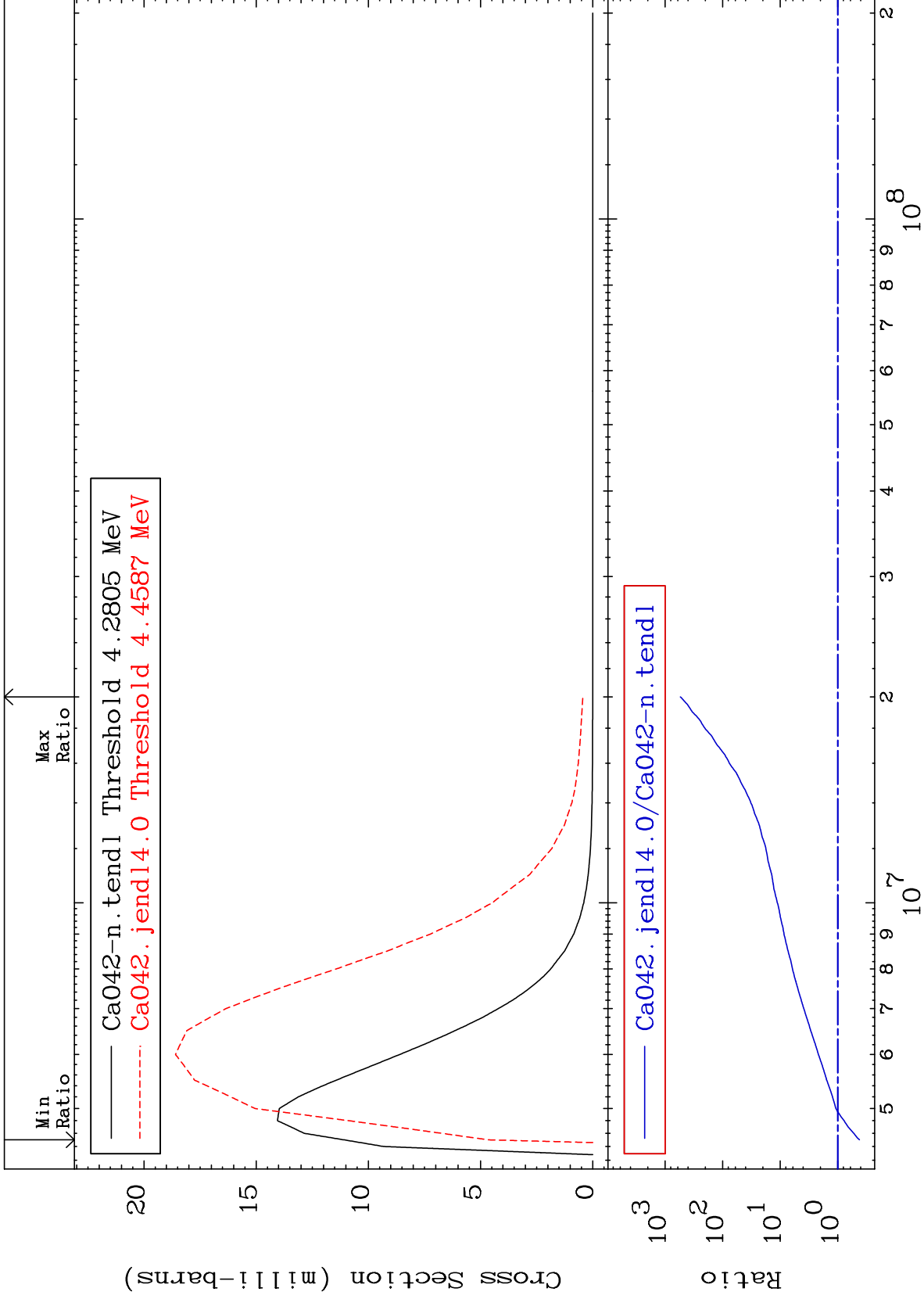




MAT 2031

4.180 MeV (n,n') Level  
Cross Section

20-Ca-42  
-58.05 To 9999. %



24

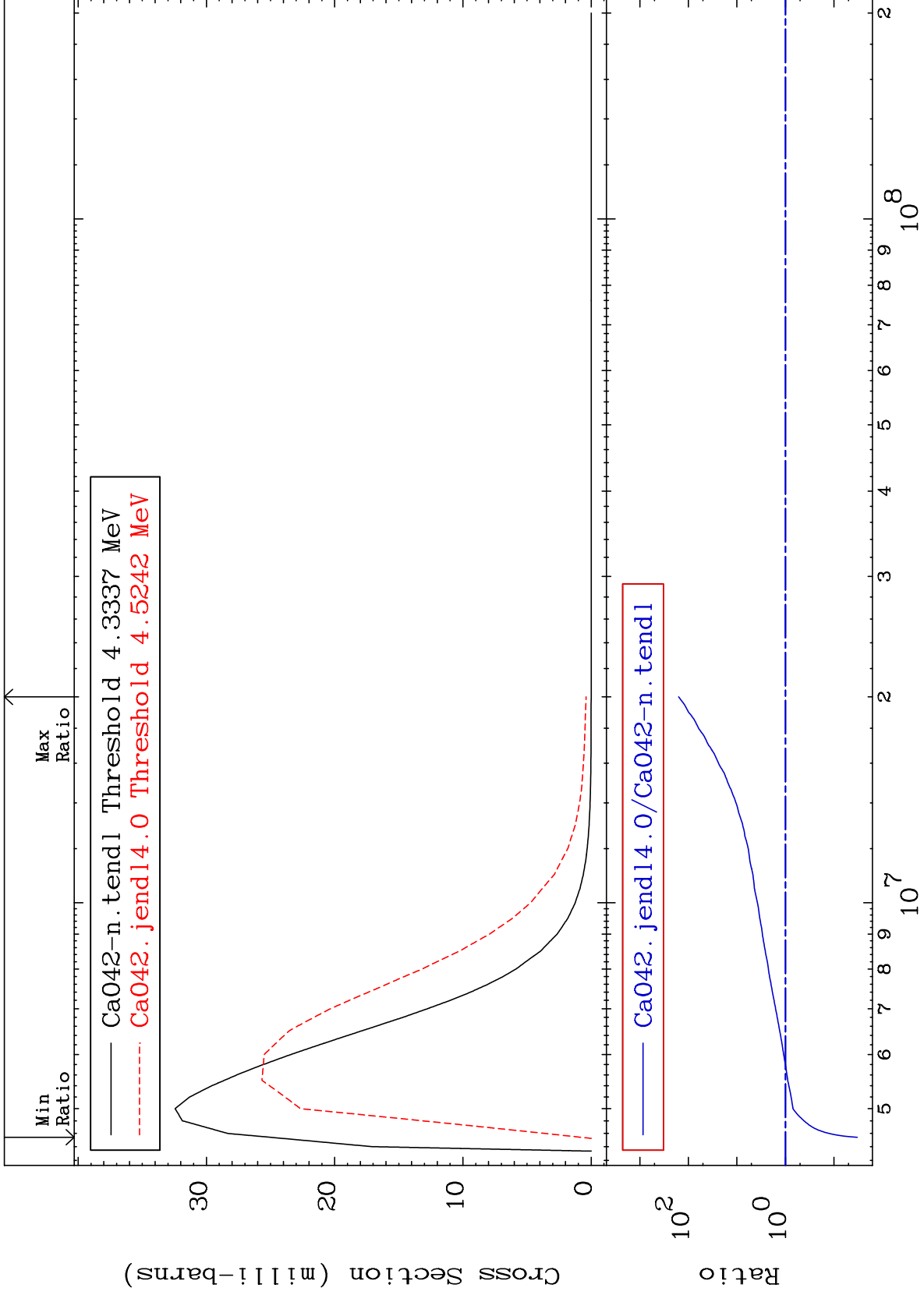
20-Ca-42



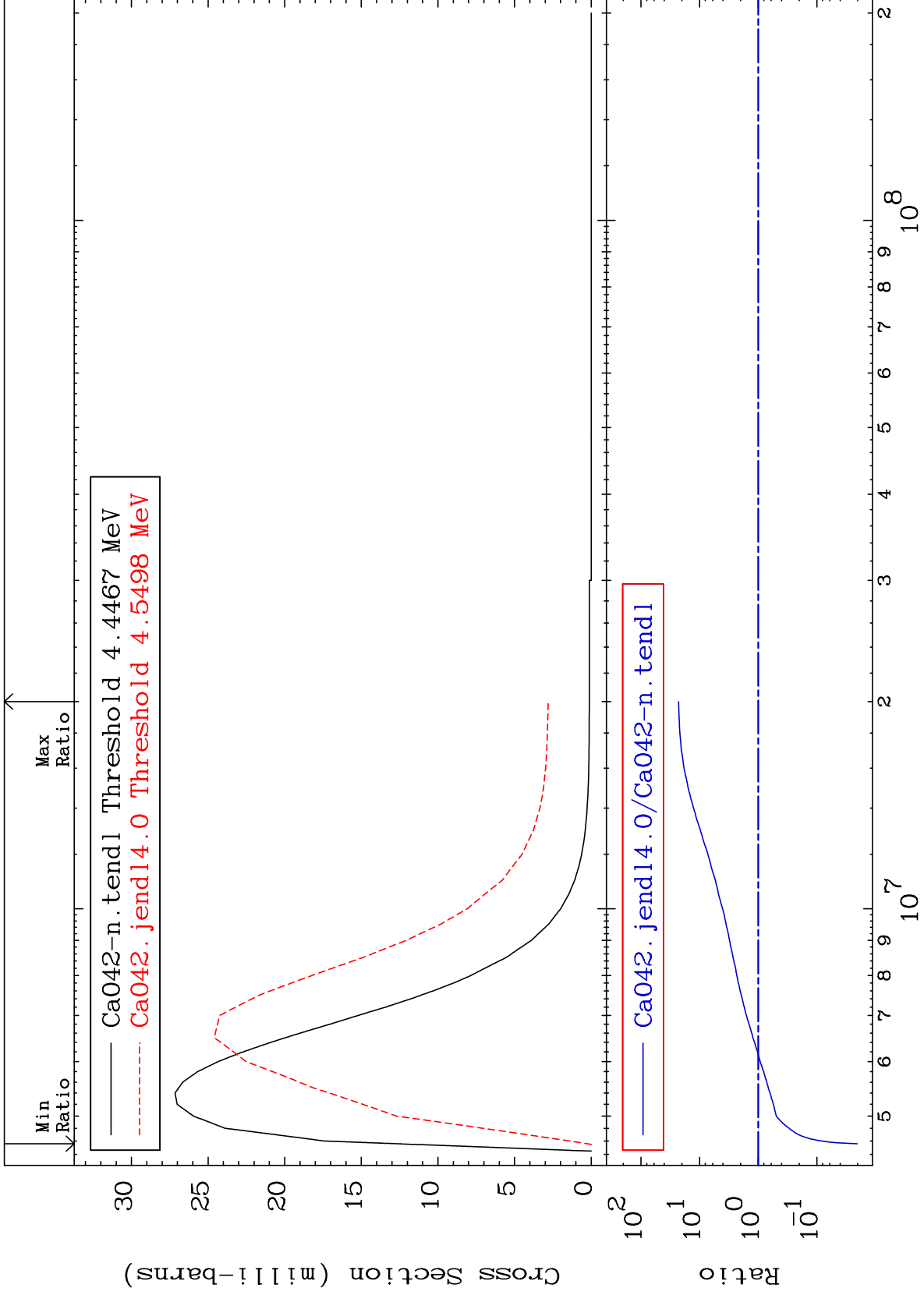
MAT 2031

4.232 MeV (n,n') Level  
Cross Section

20-Ca-42  
-96.69 To 9999. %



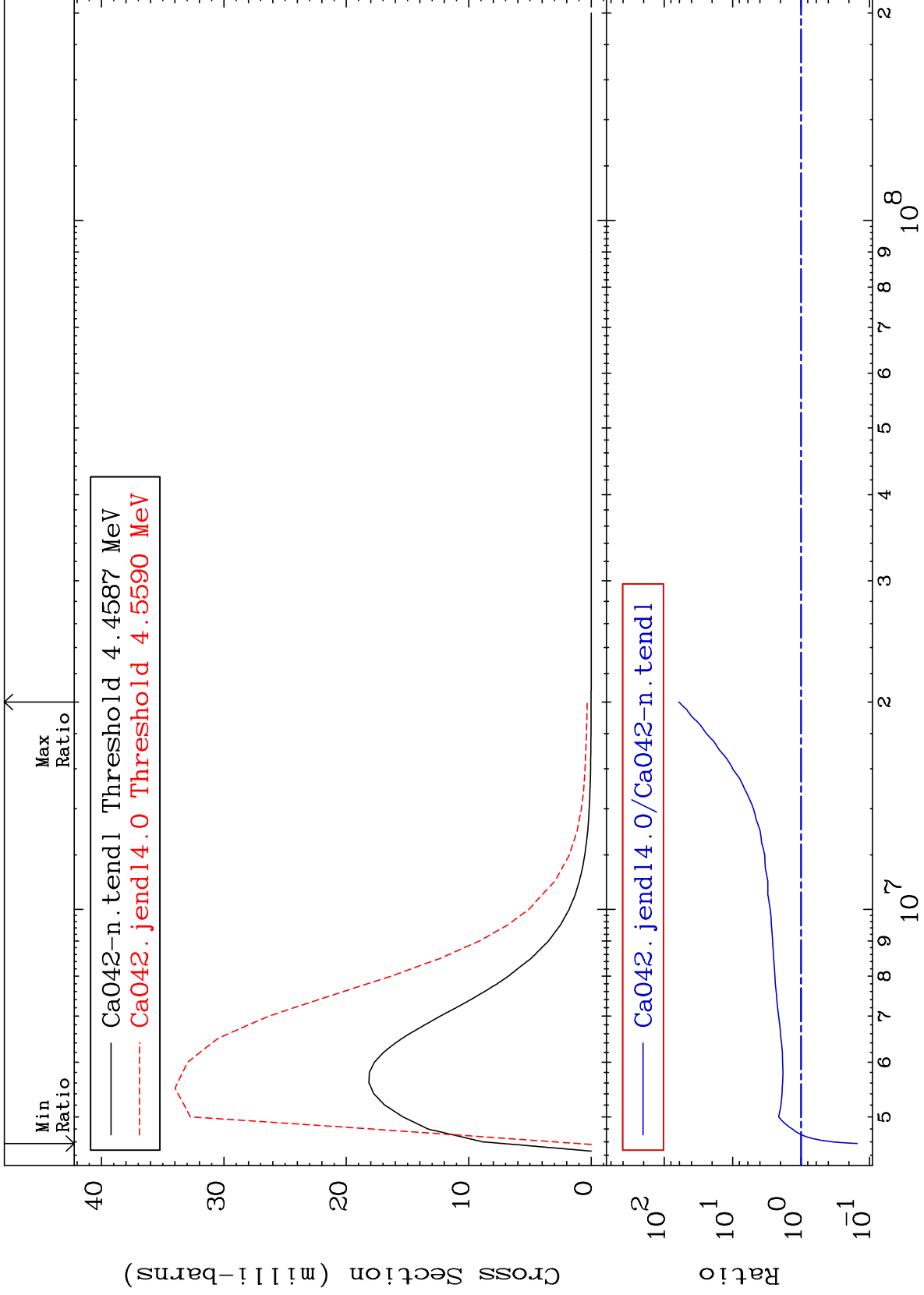
25



MAT 2031

4.354 MeV (n,n') Level  
Cross Section

20-Ca-42  
-84.85 To 6055. %



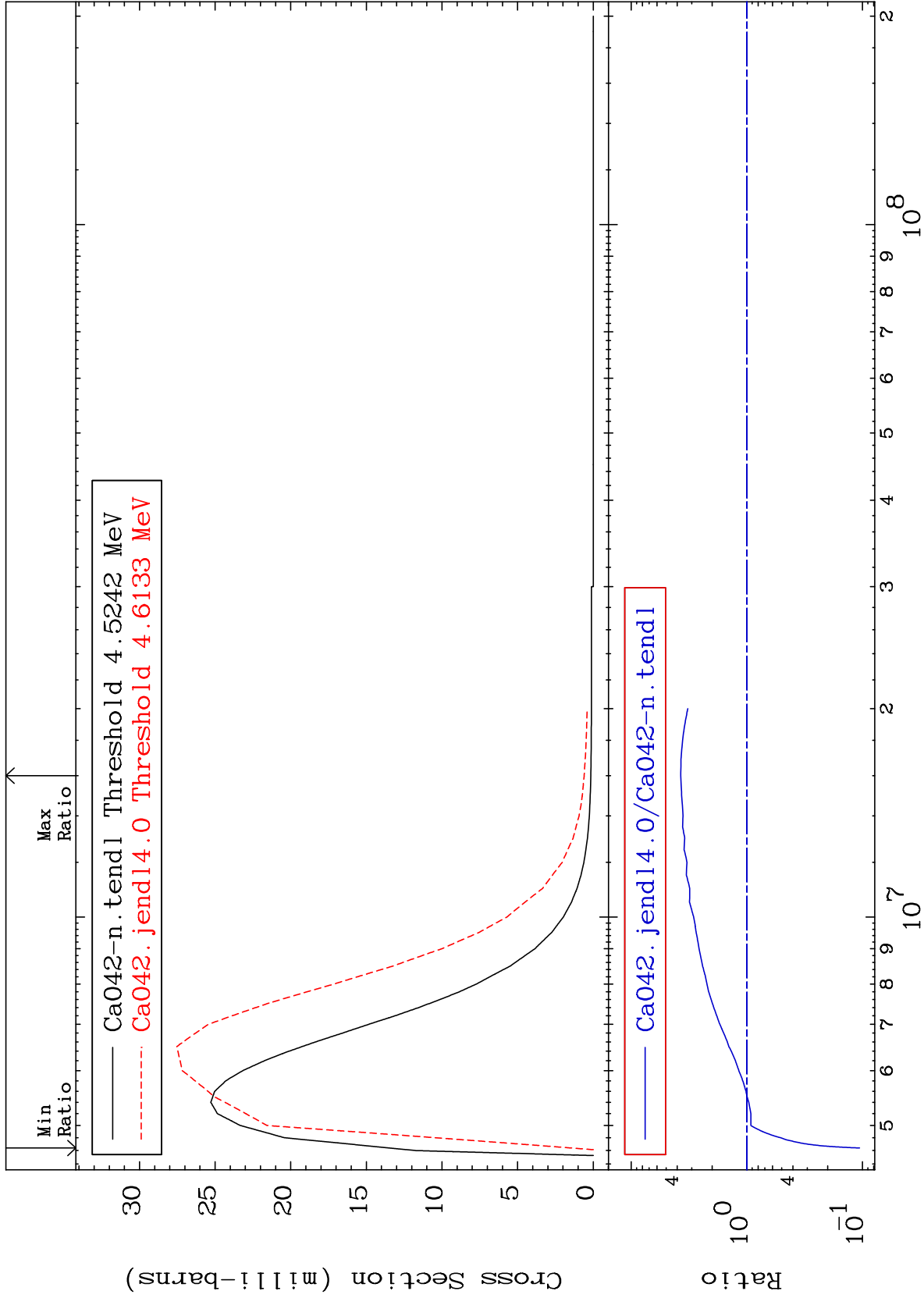
27

20-Ca-42

MAT 2031

4.418 MeV (n,n') Level  
Cross Section

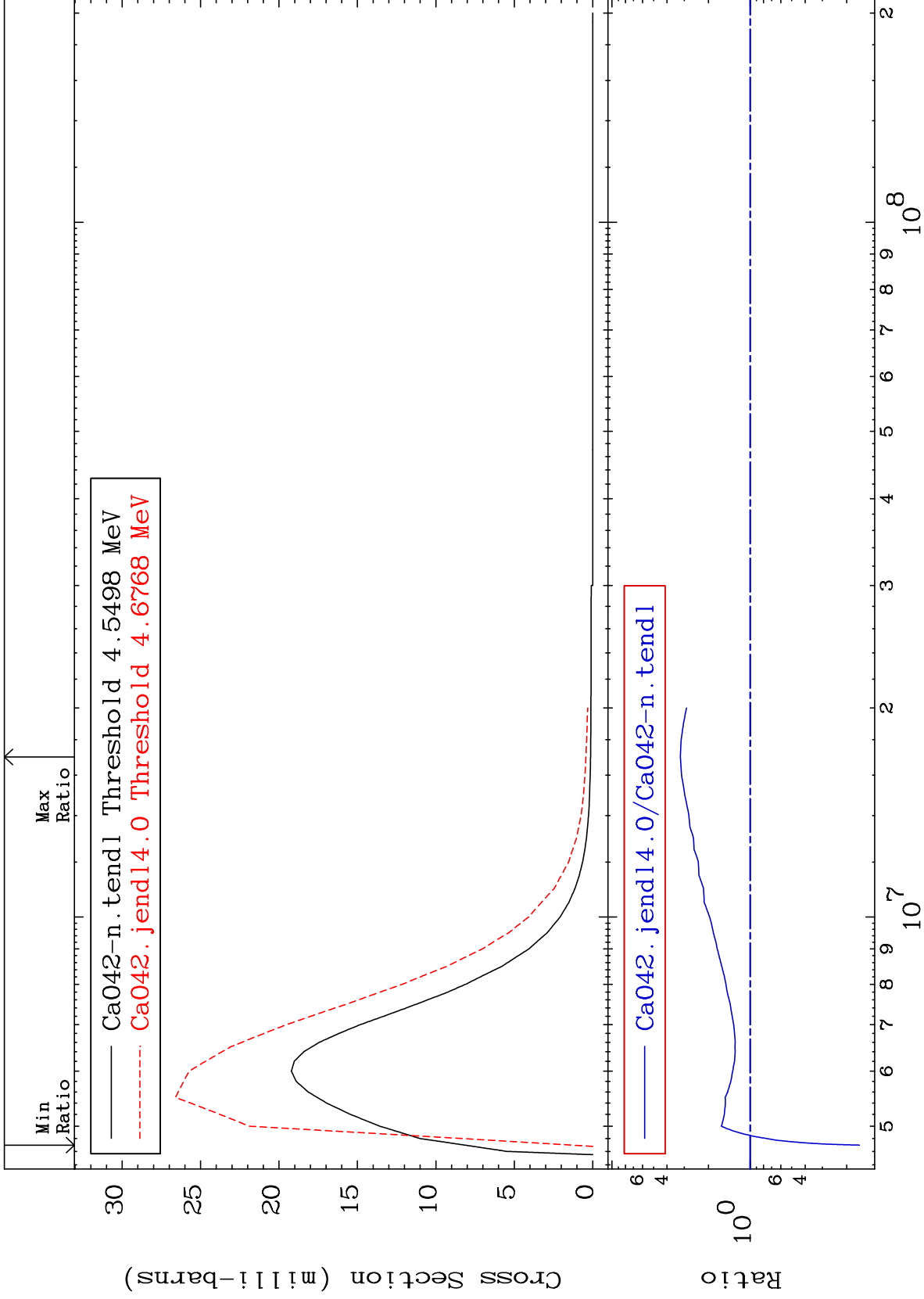
20-Ca-42  
-89.40 To 273.0 %



MAT 2031

4.443 MeV (n,n') Level  
Cross Section

20-Ca-42  
-83.82 To 220.0 %



29

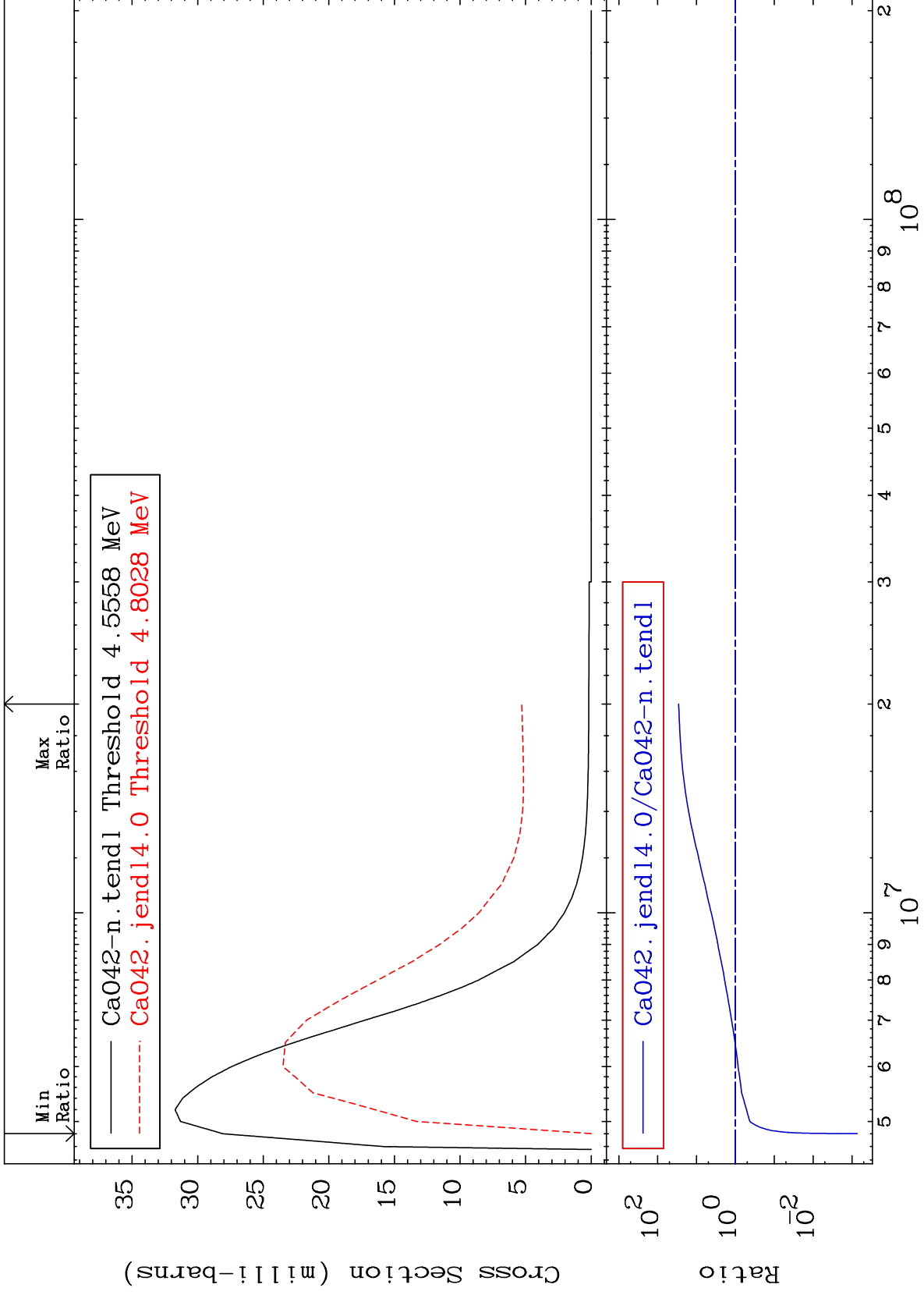
Incident Energy (eV)

20-Ca-42

MAT 2031

4.449 MeV (n,n') Level  
Cross Section

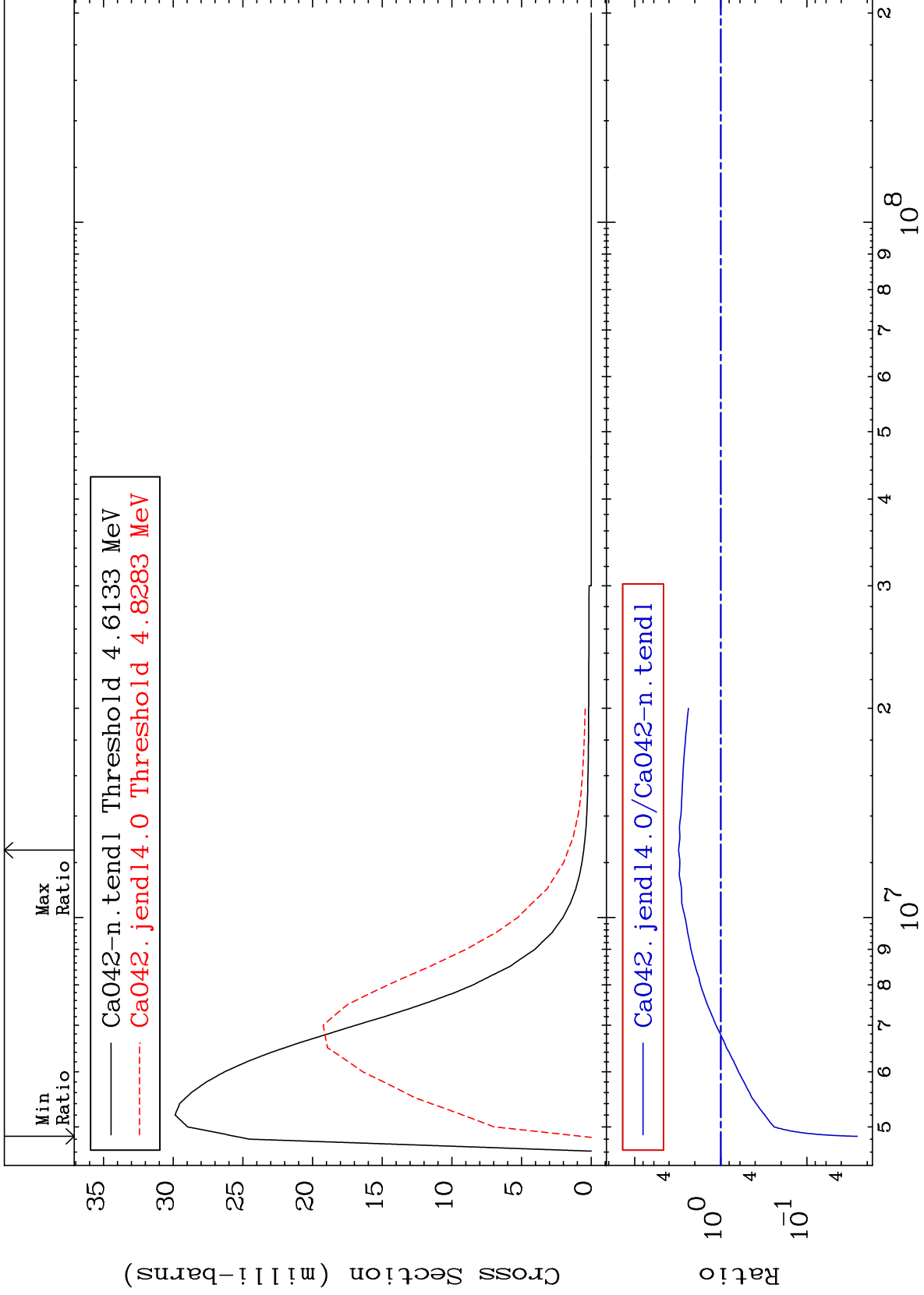
20-Ca-42  
-99.93 To 2790. %



30

Incident Energy (eV)

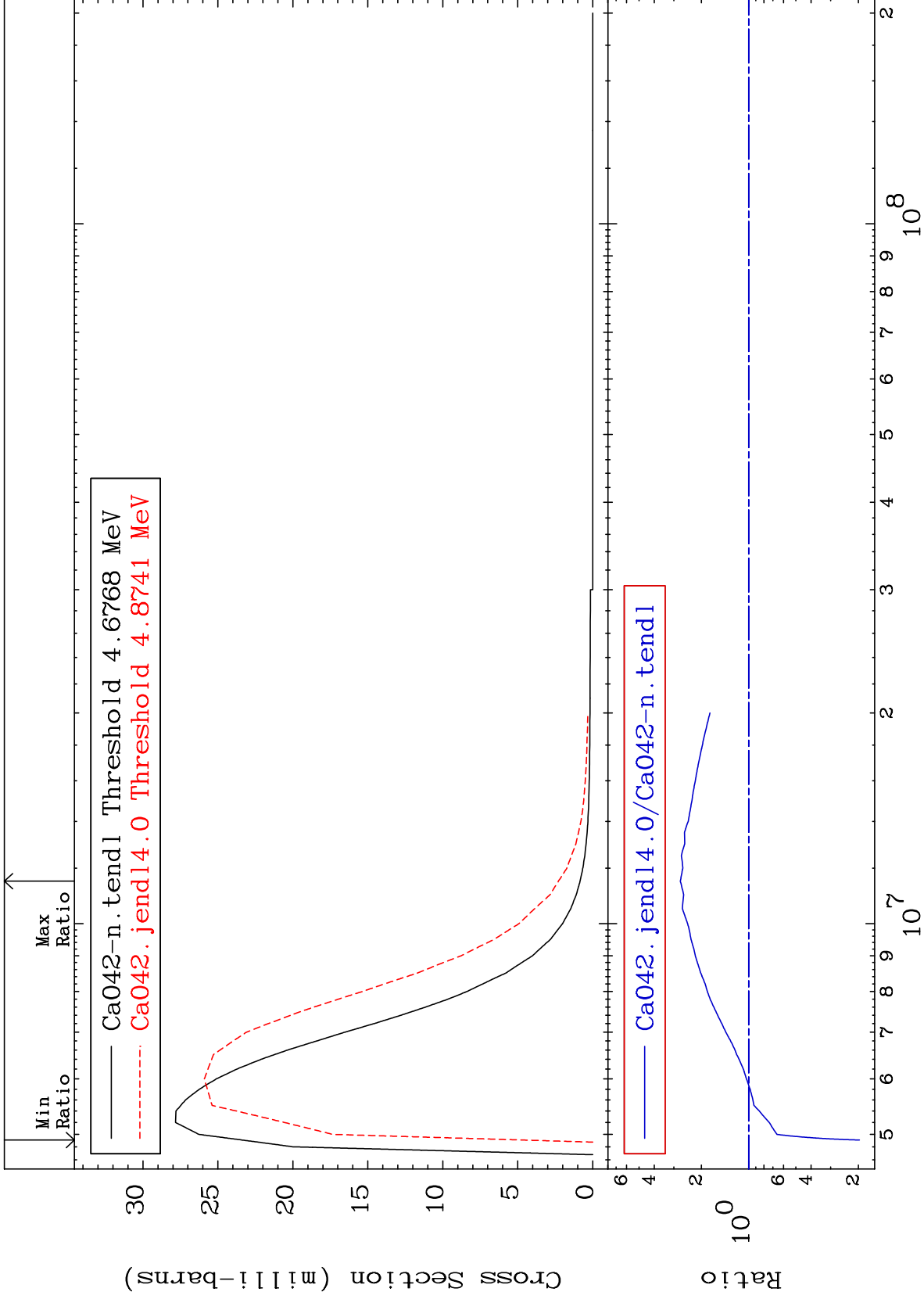
20-Ca-42



MAT 2031

4.567 MeV (n,n') Level  
Cross Section

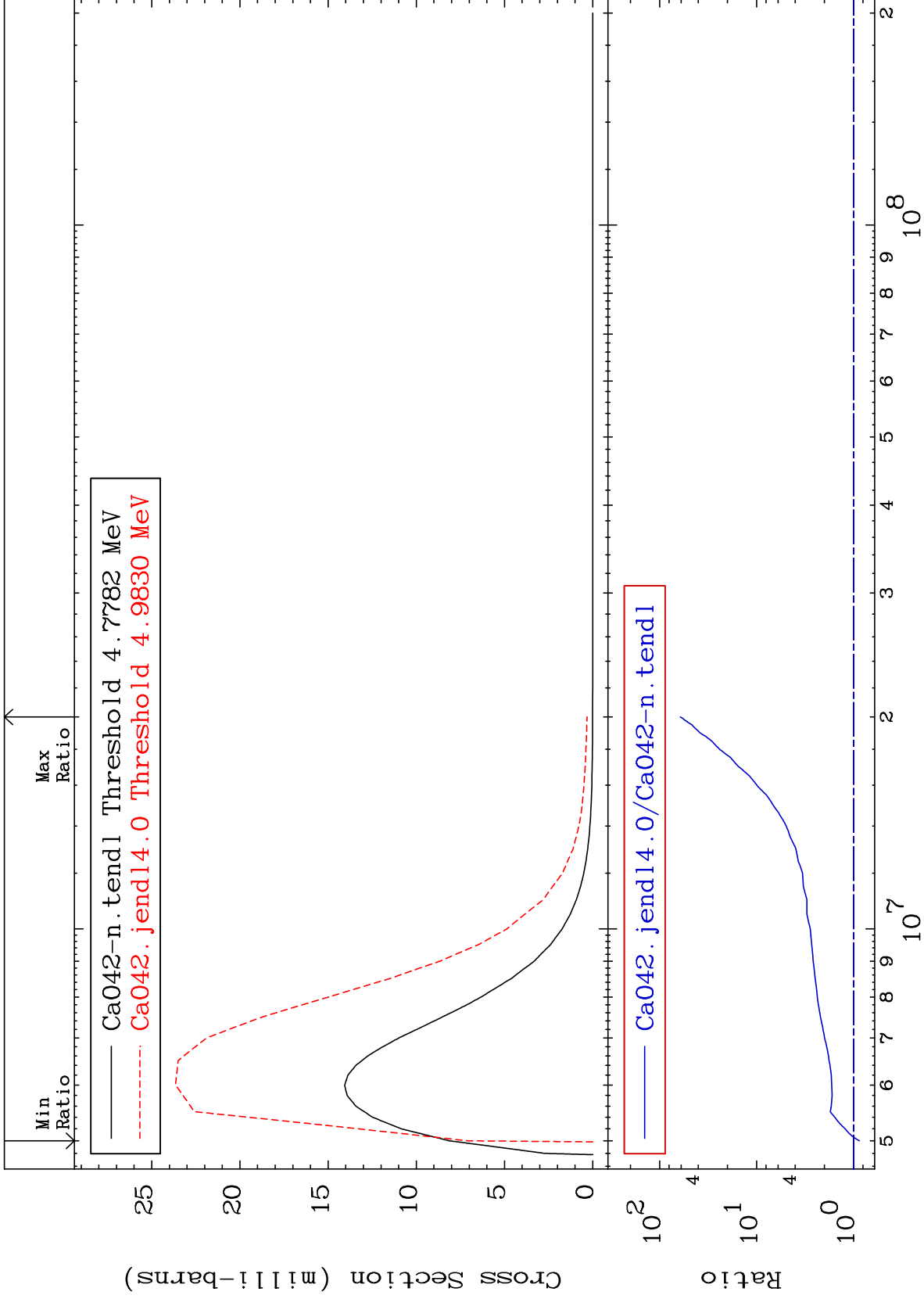
20-Ca-42  
-80.32 To 172.3 %

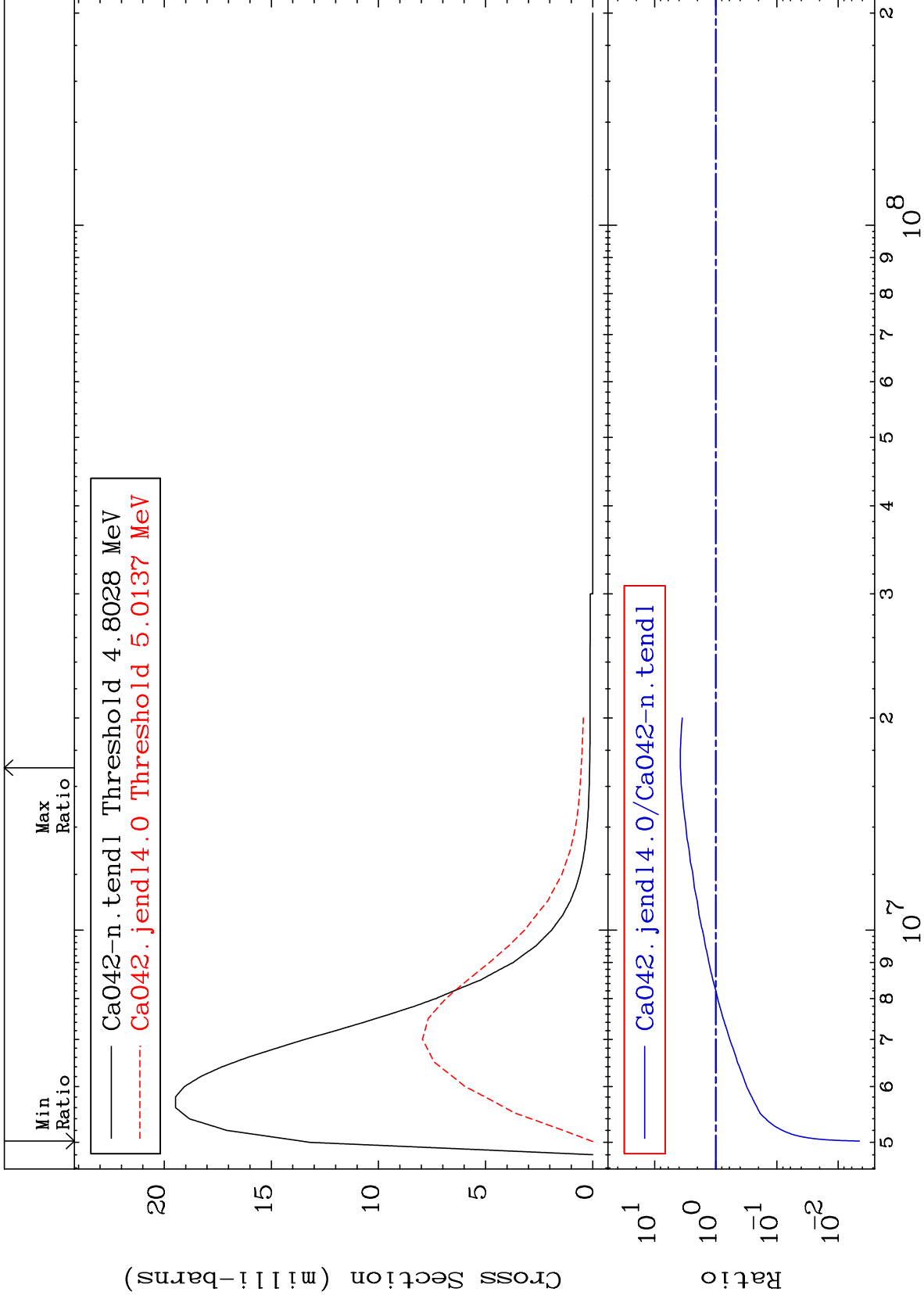


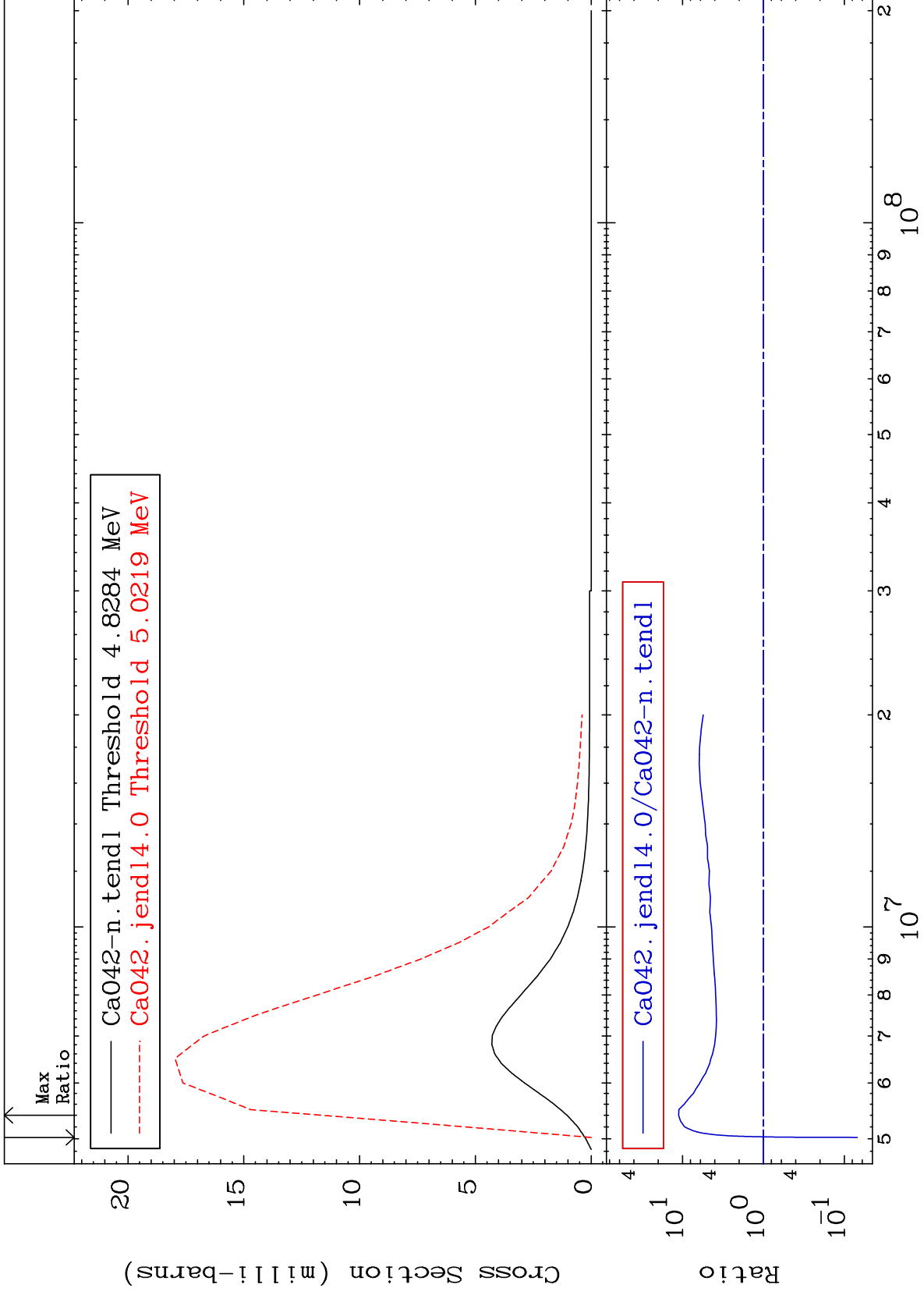
32

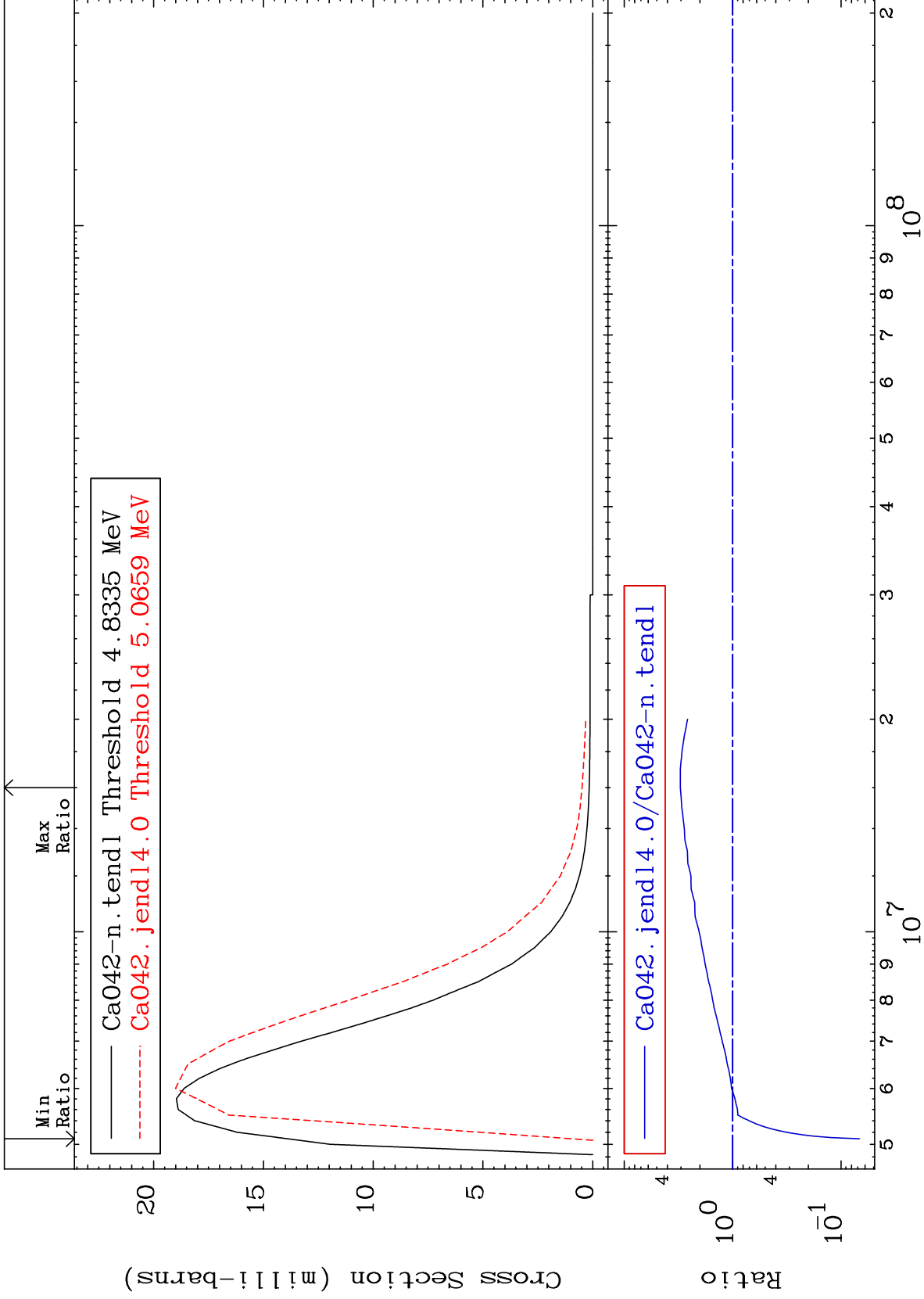
20-Ca-42

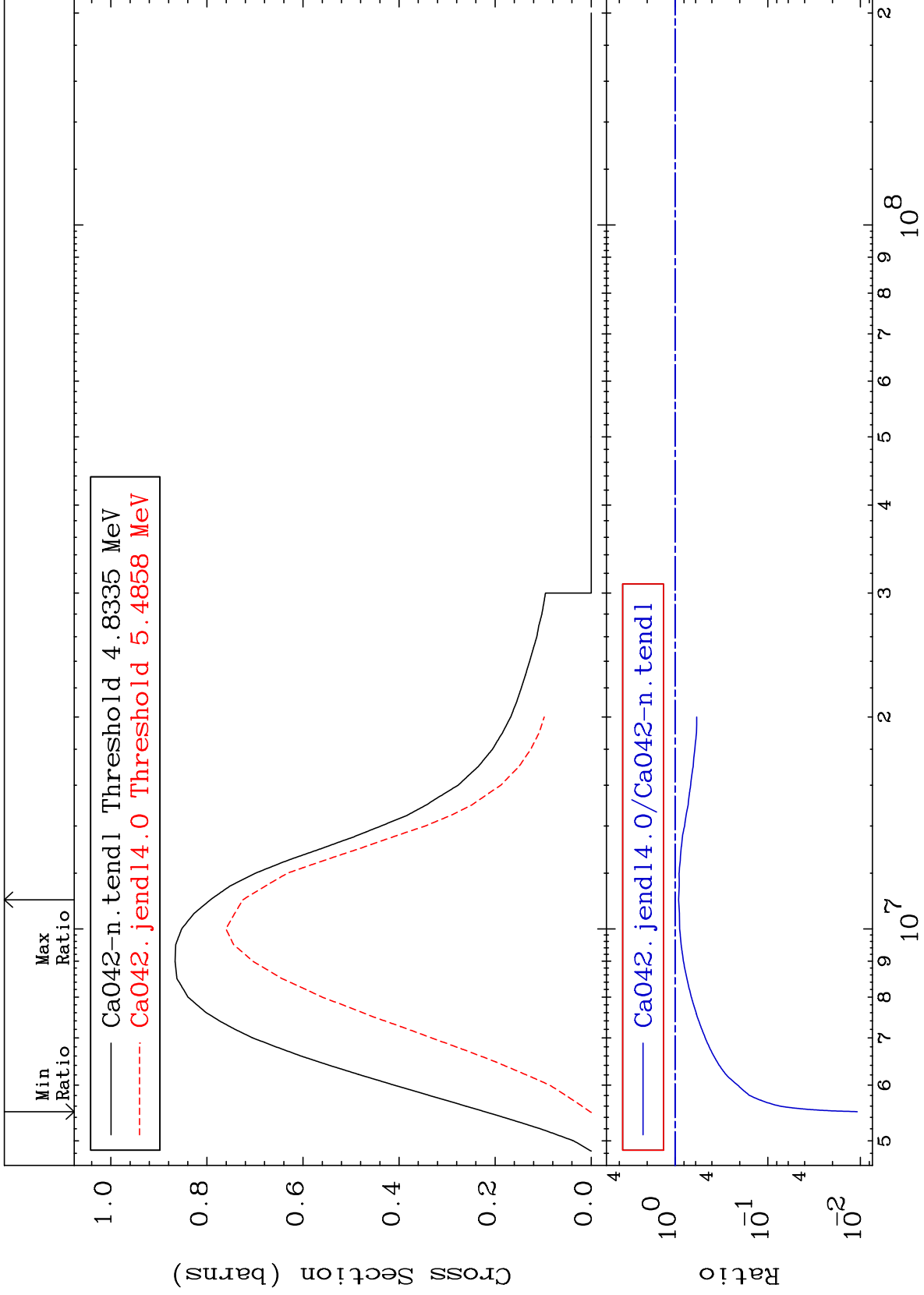










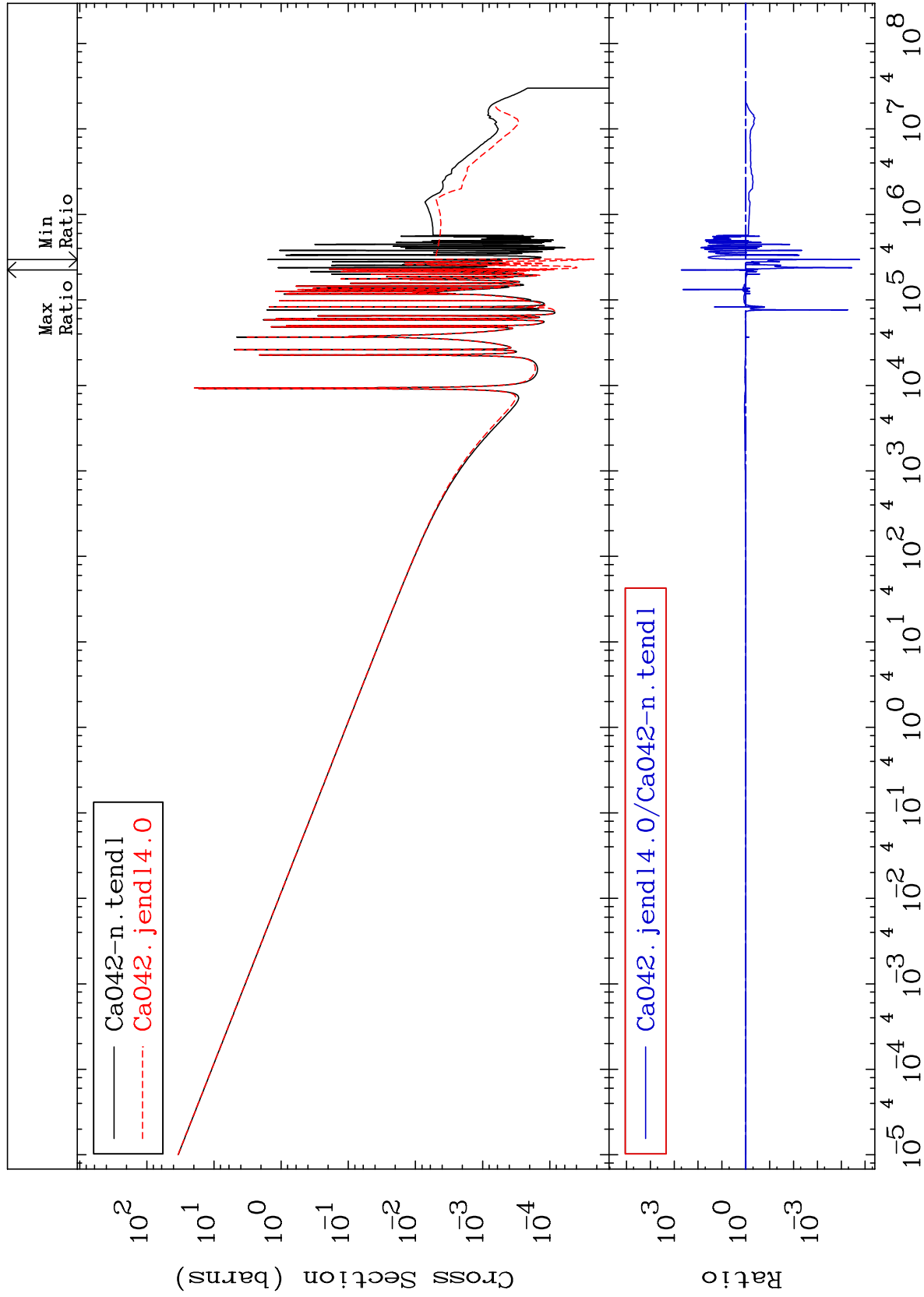


MAT 2031

(n,  $\gamma$ )  
Cross Section

20-Ca-42

-100.0 To 9999. %



38

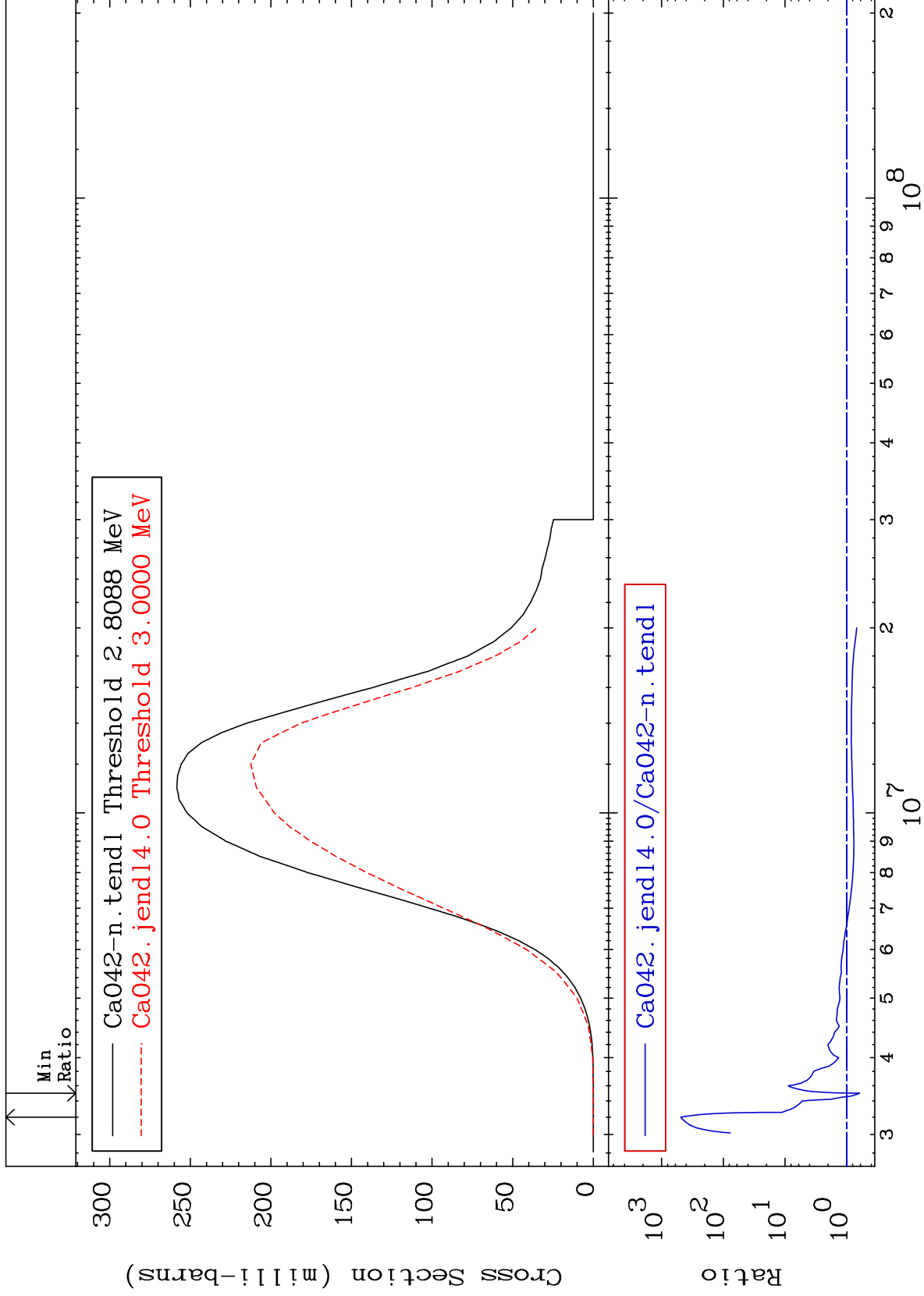
Incident Energy (eV)

20-Ca-42

MAT 2031

(n,p)  
Cross Section

20-Ca-42  
-37.87 To 9999. %



39

Incident Energy (eV)

20-Ca-42

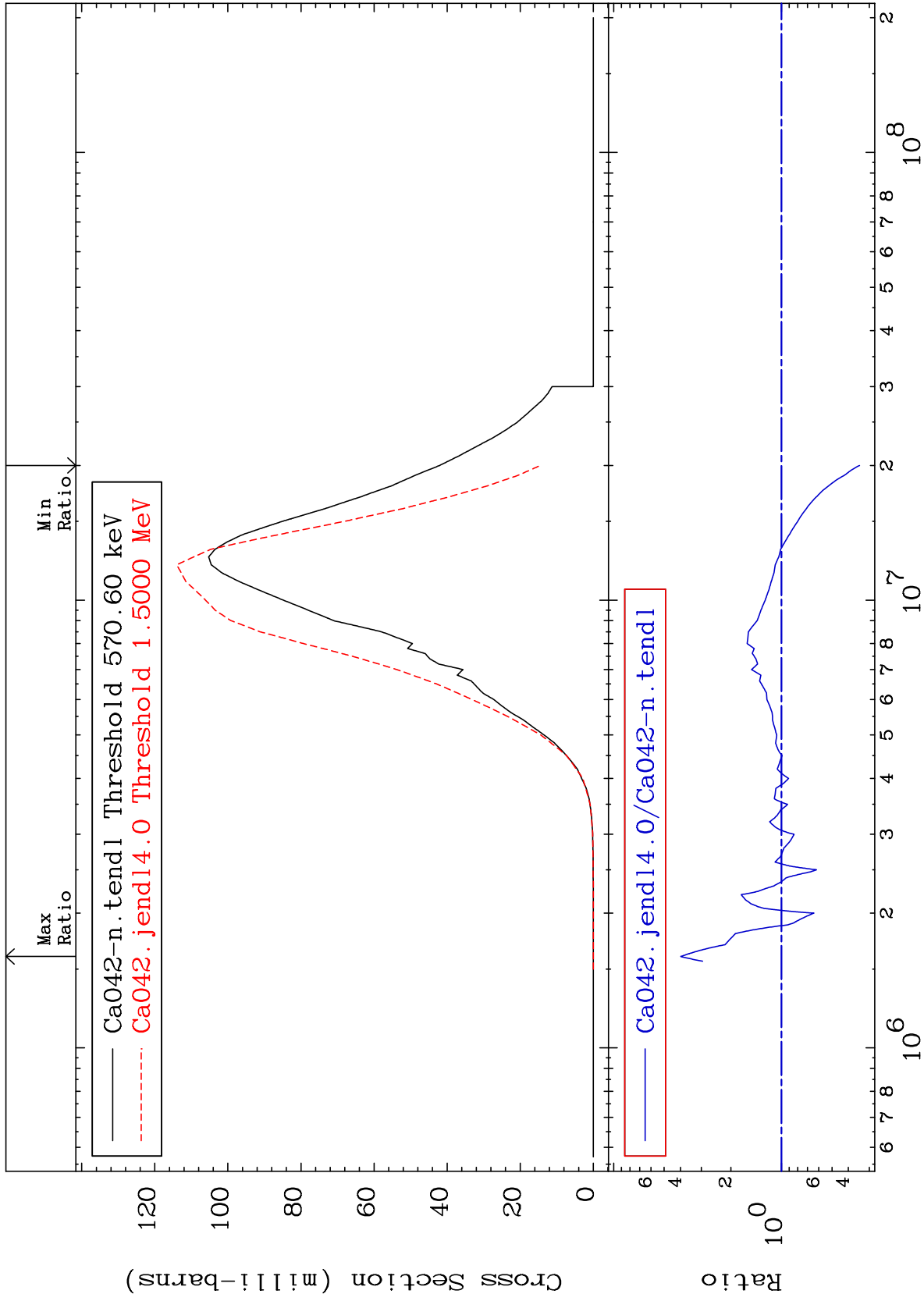
MAT 2031

(n,  $\alpha$ )

20-Ca-42

Cross Section

-65.71 To 298.2 %

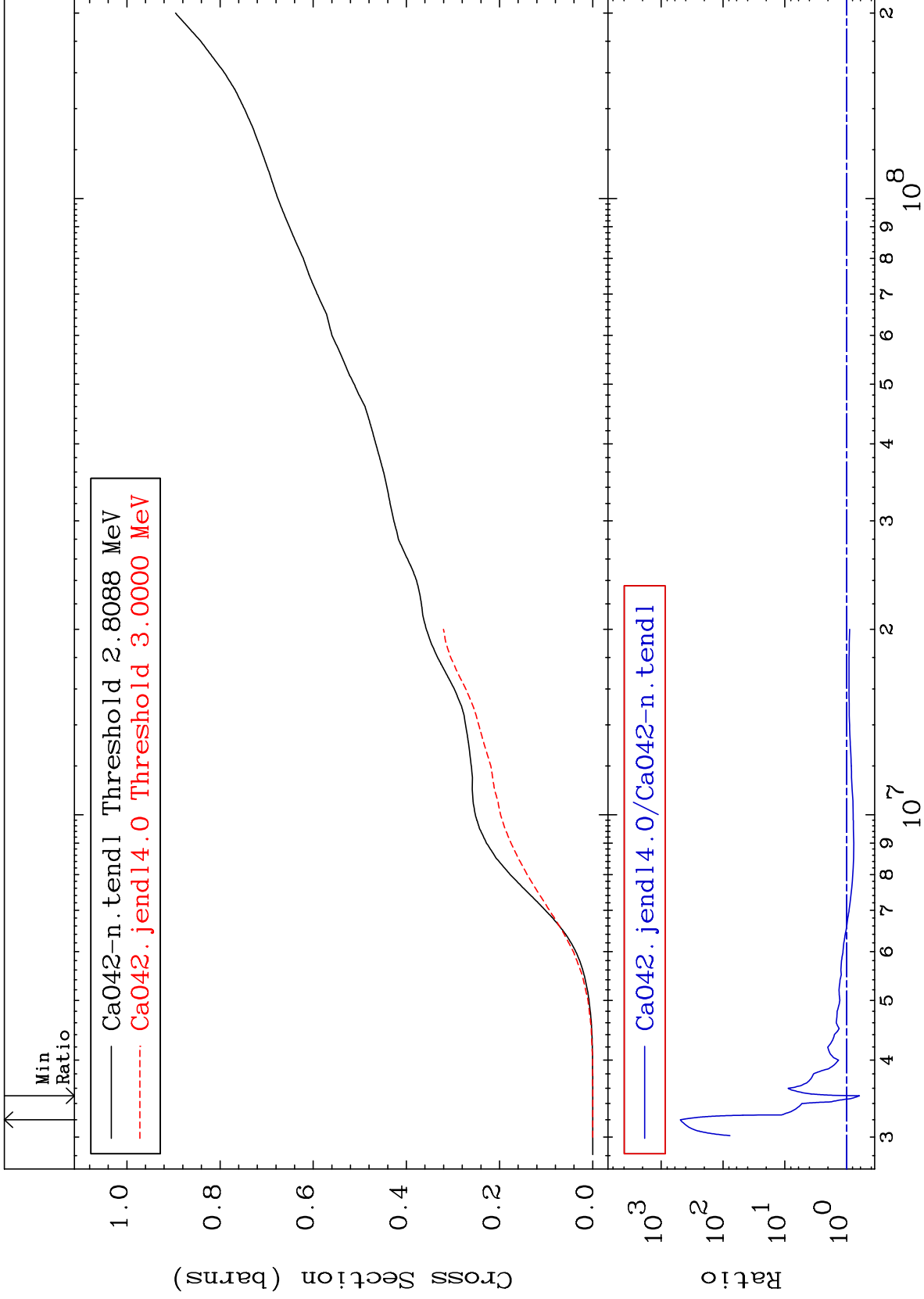


40

Incident Energy (eV)

20-Ca-42

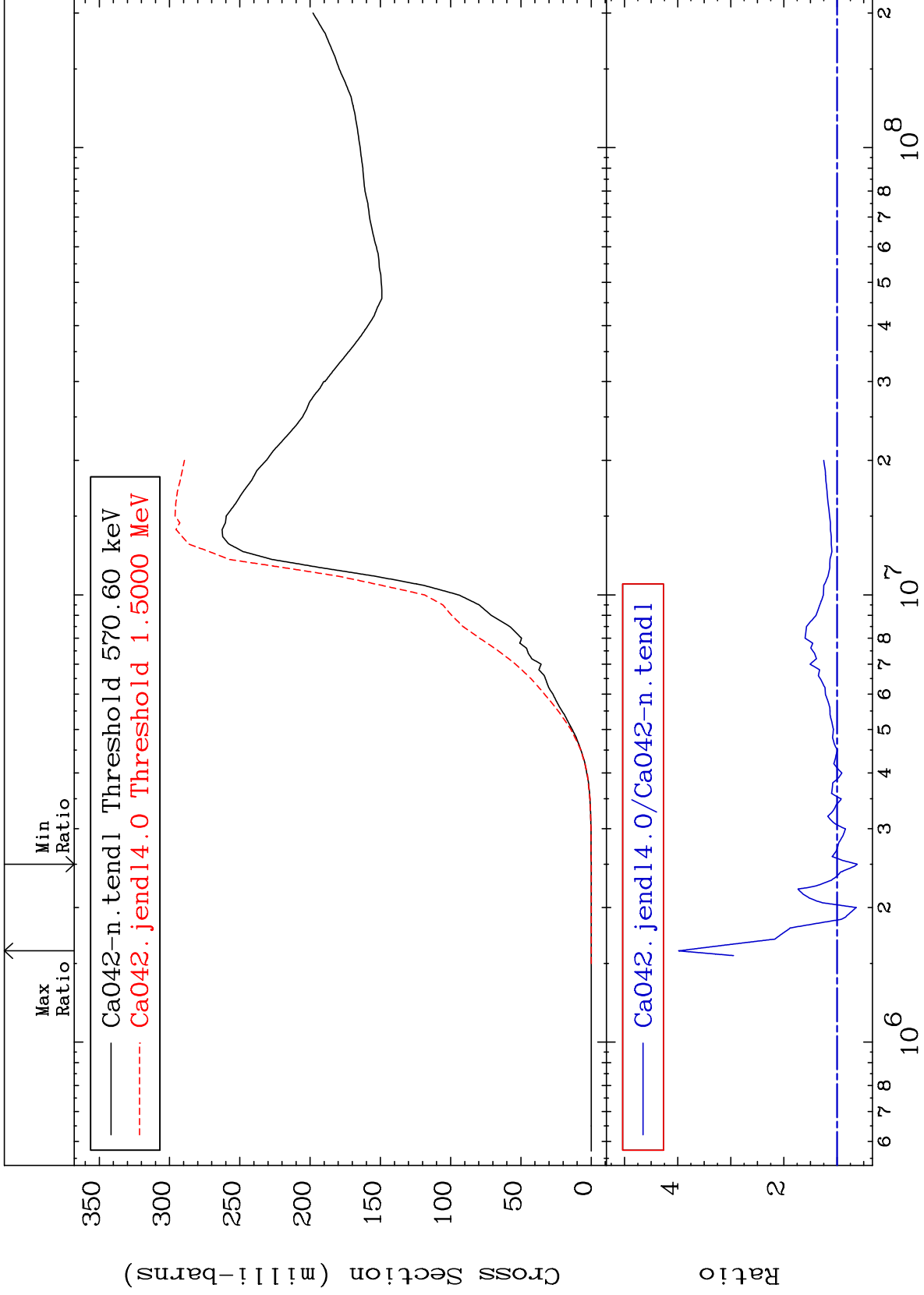




MAT 2031

He-4 Production  
Cross Section

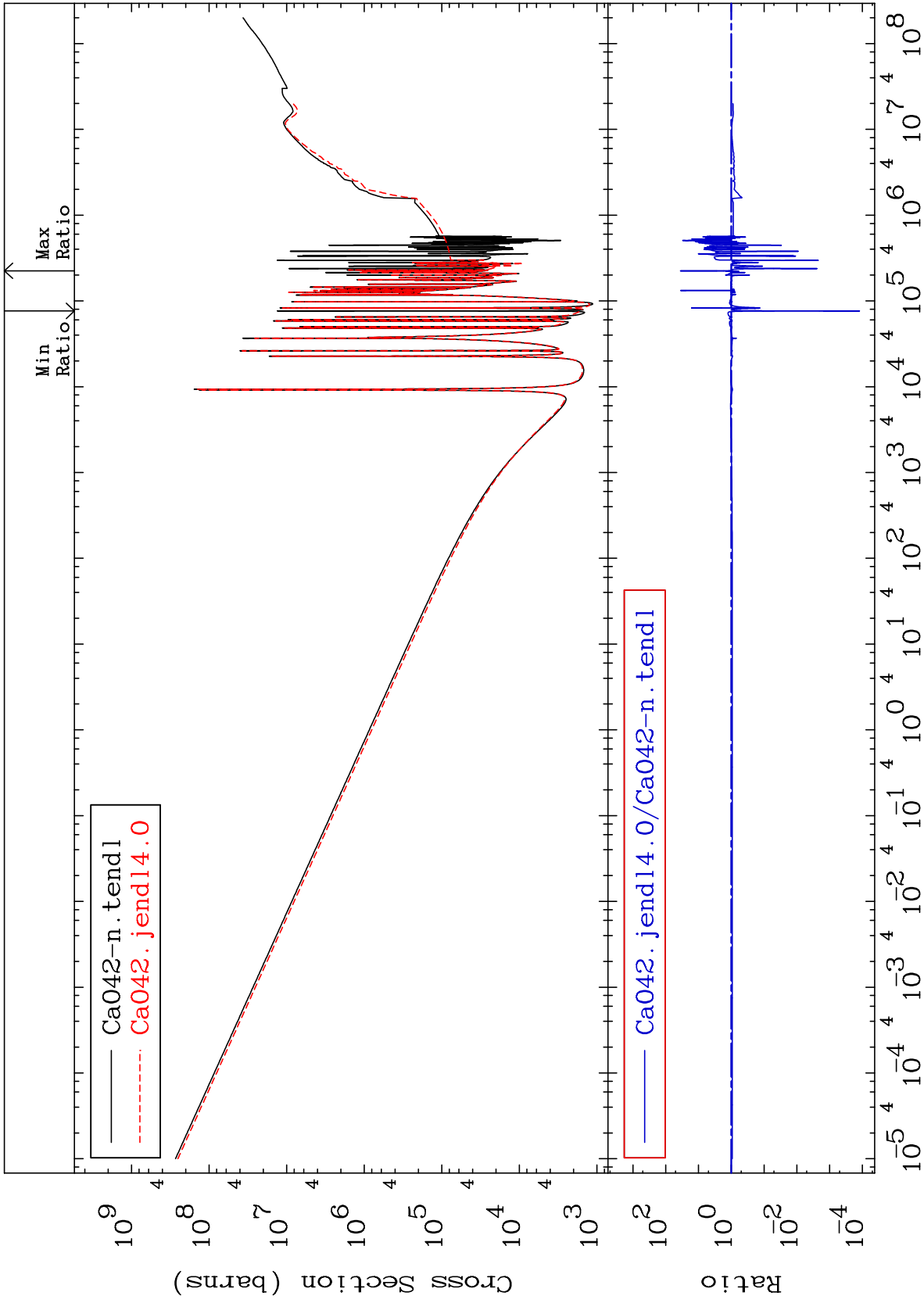
20-Ca-42  
-38.01 To 298.2 %



42

Incident Energy (eV)

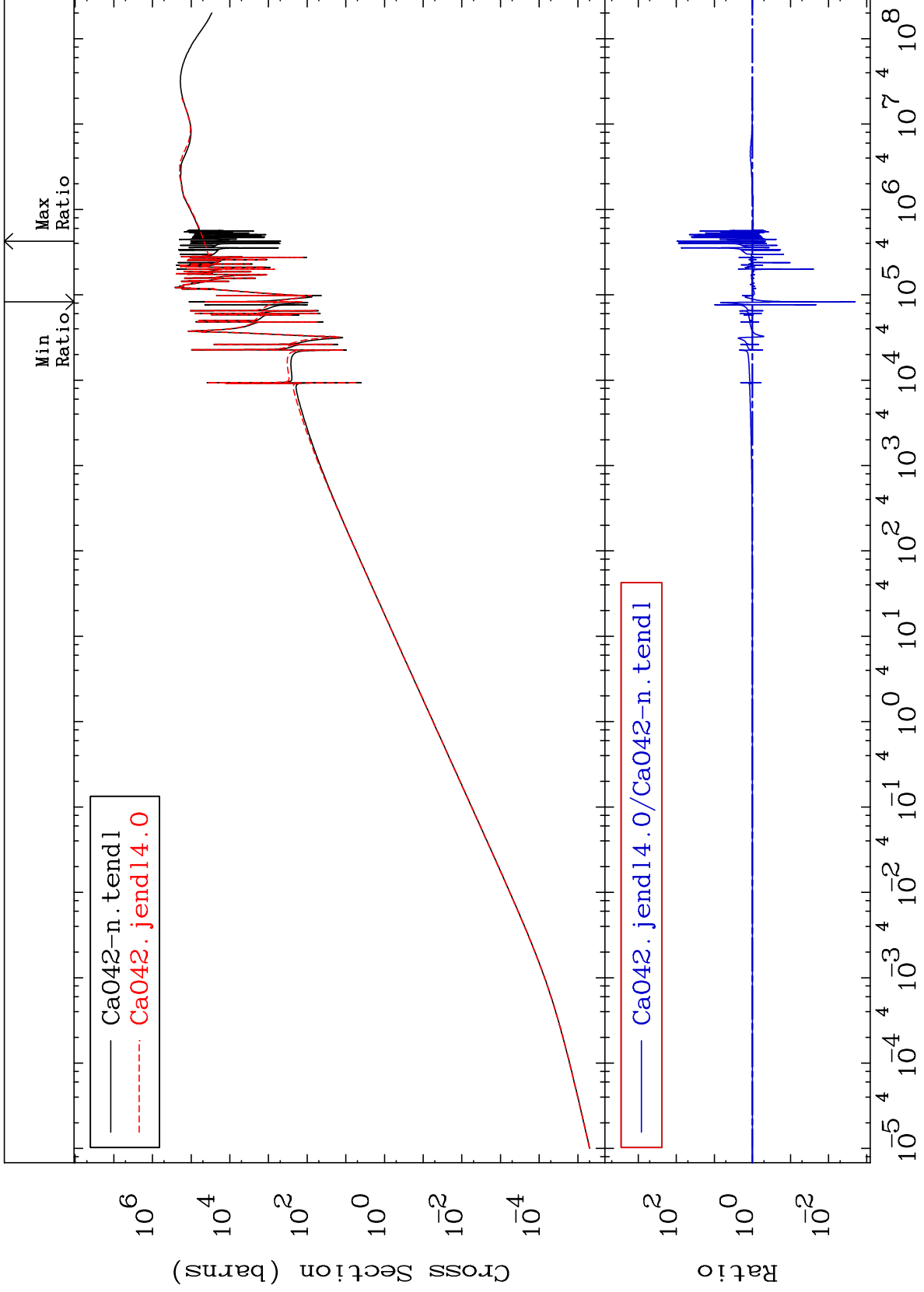
20-Ca-42



MAT 2031

Kerma elastic  
Cross Section

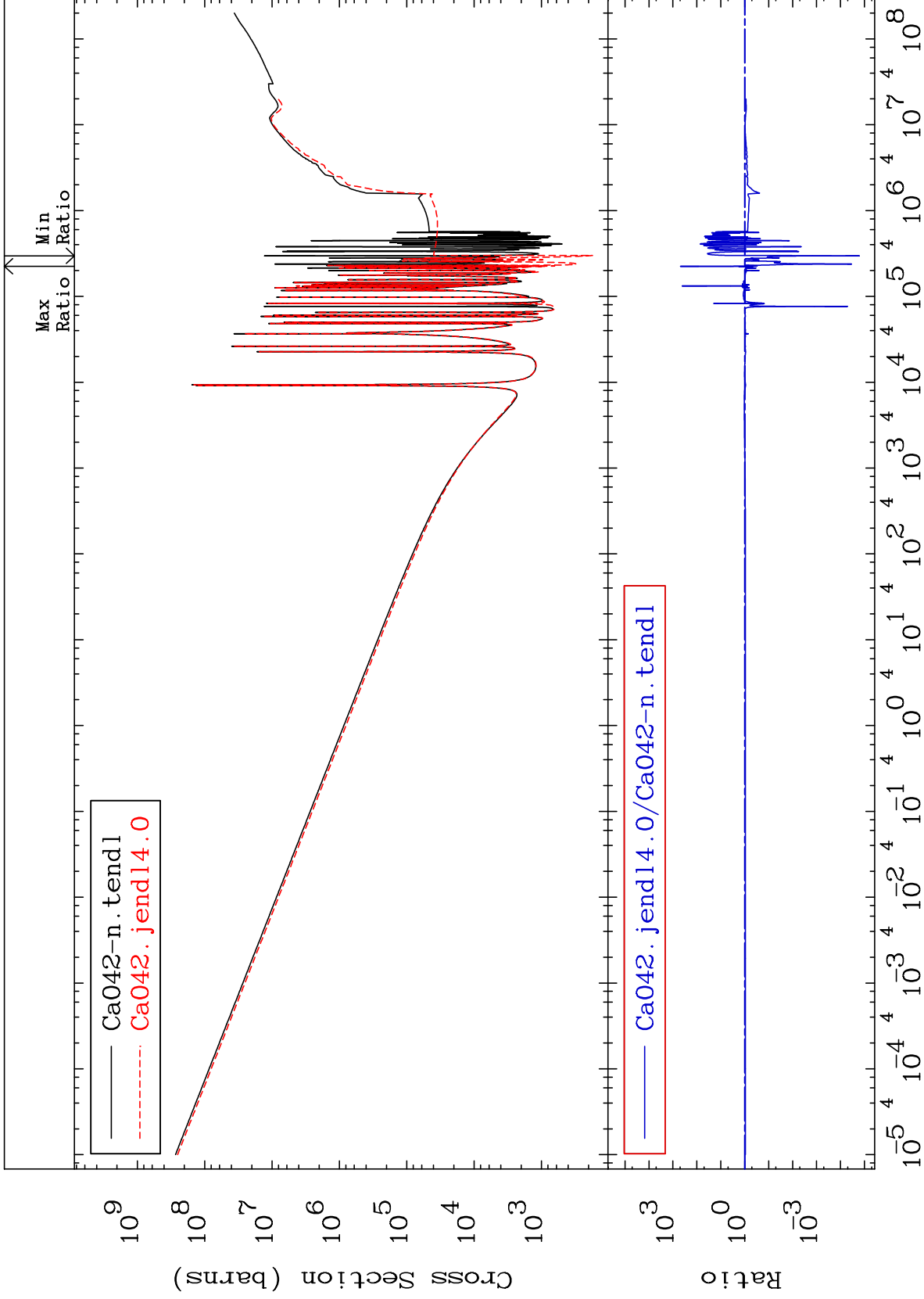
20-Ca-42  
-99.80 To 9542. %



MAT 2031

Kerma non-elastic (all but mt2)  
Cross Section

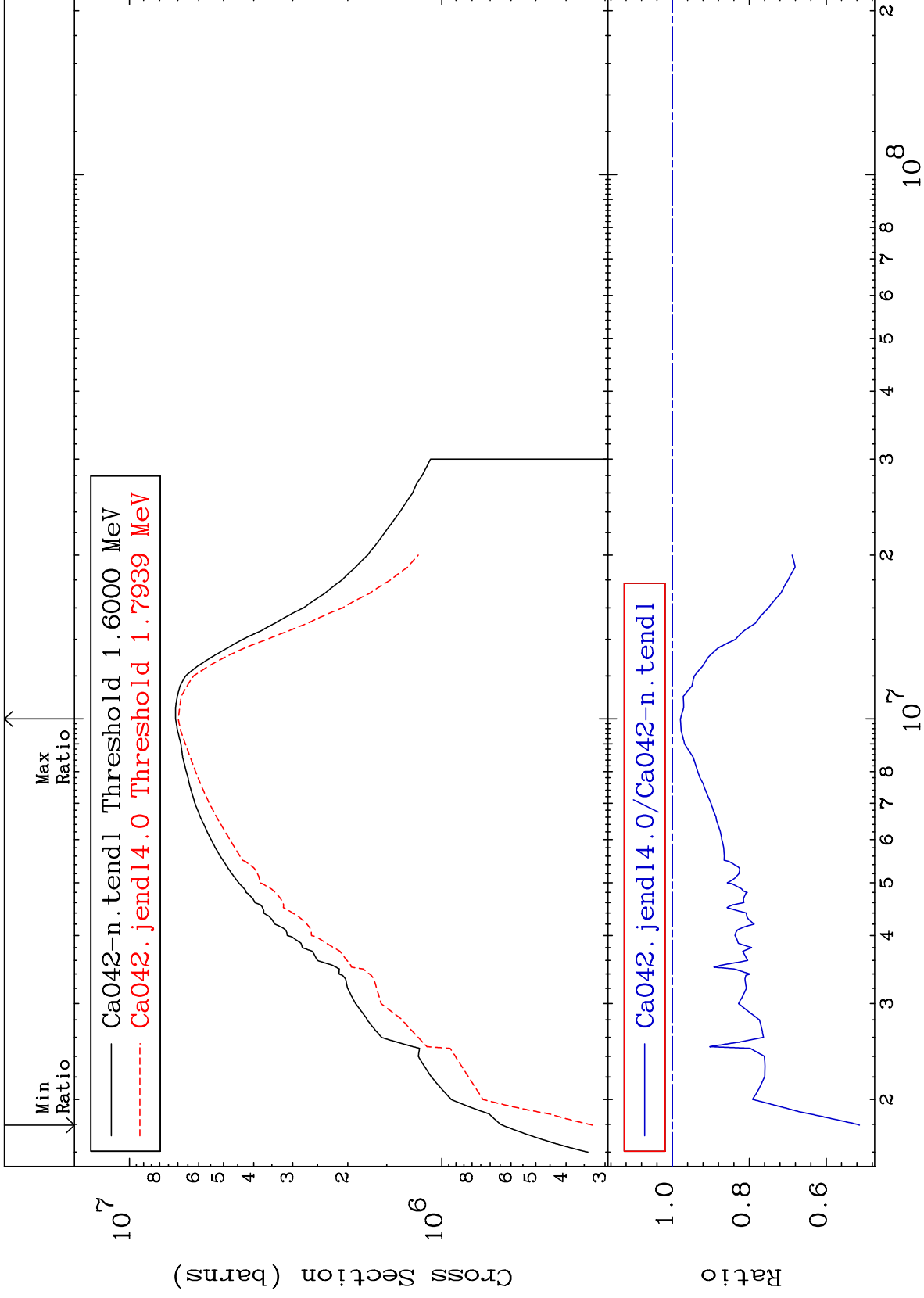
20-Ca-42  
-100.0 To 9999. %



45

Incident Energy (eV)

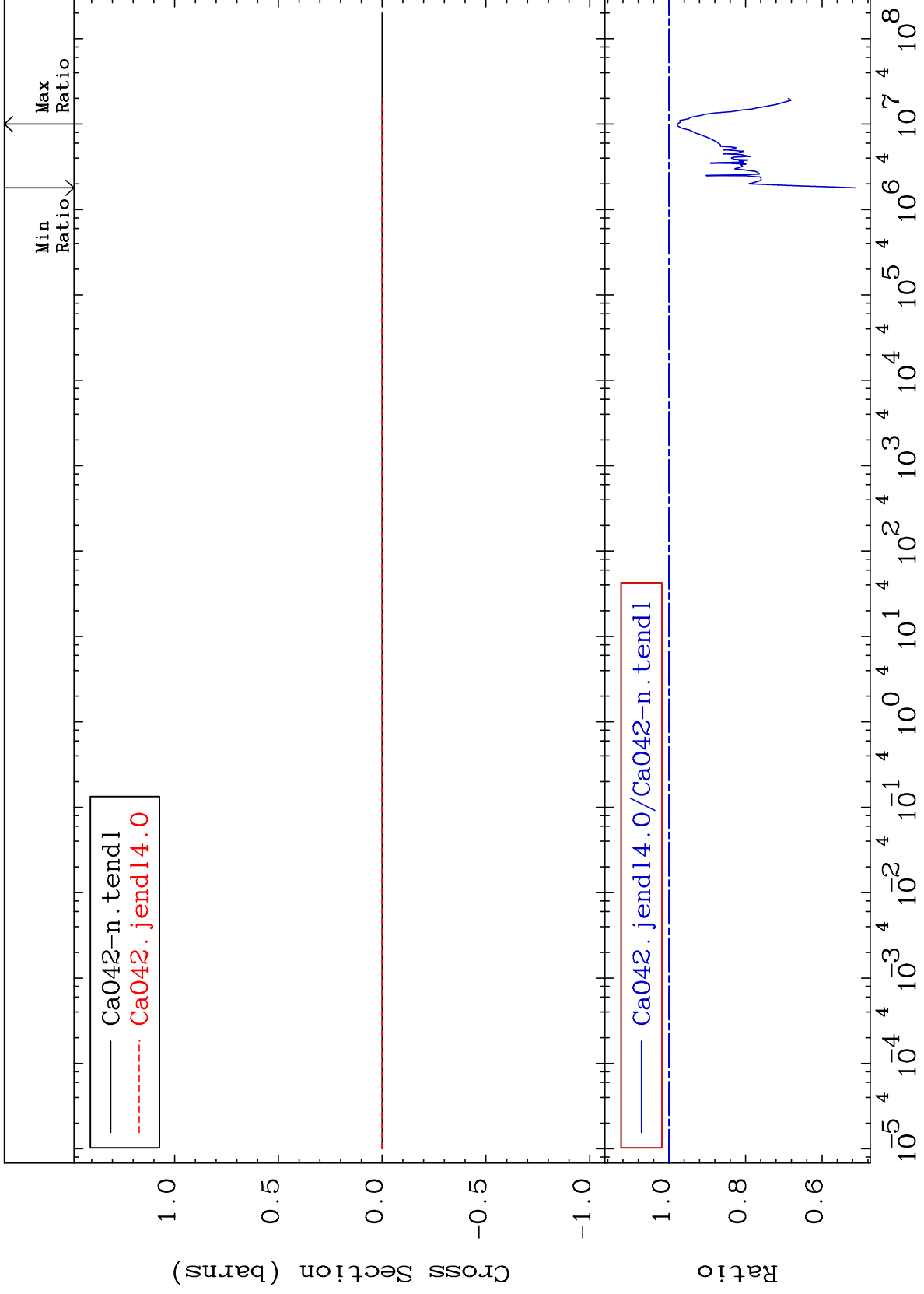
20-Ca-42



MAT 2031

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

20-Ca-42  
-48.64 To -2.088%



47

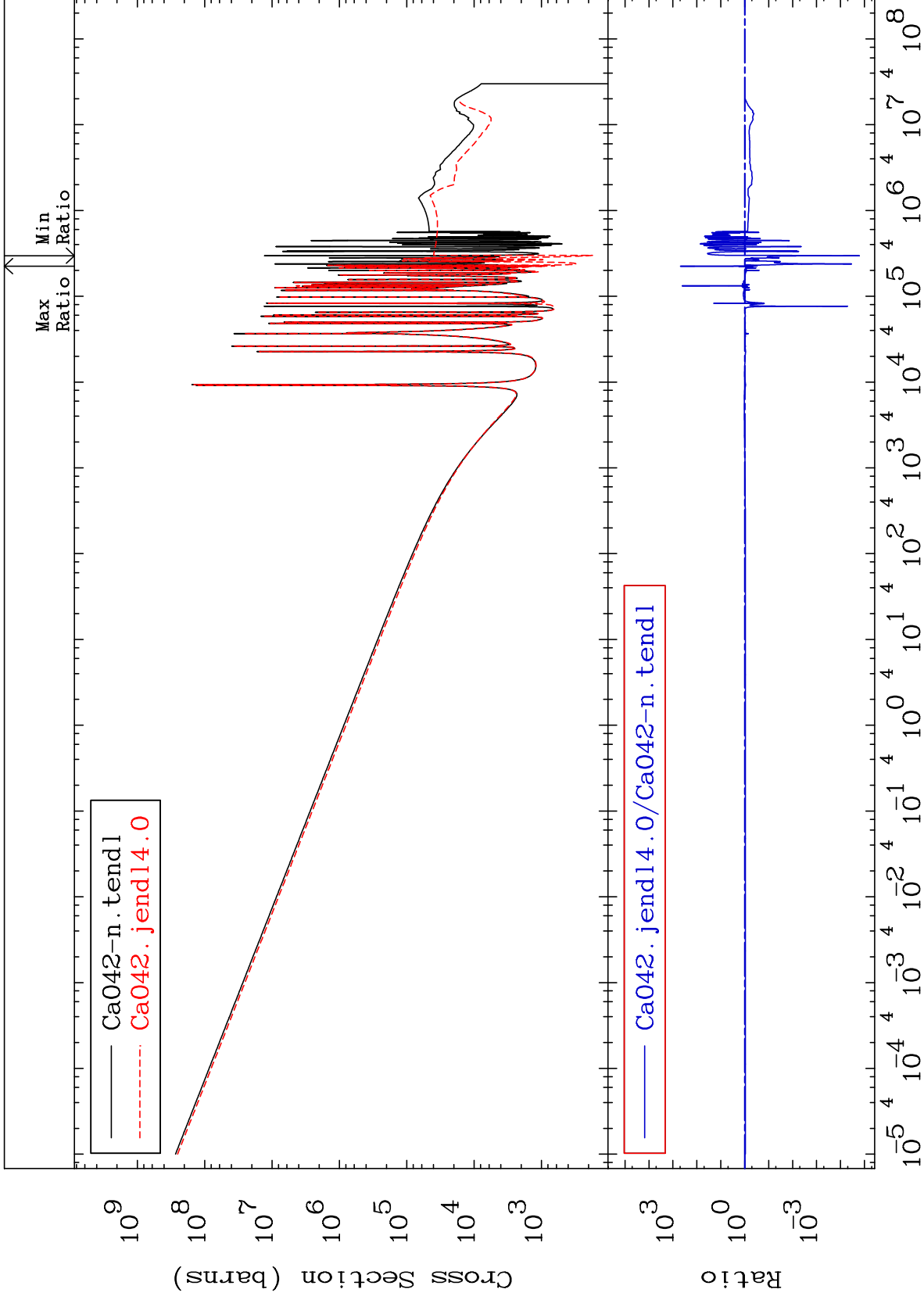
Incident Energy (eV)

20-Ca-42

MAT 2031

Kerma capture (mt102)  
Cross Section

20-Ca-42  
-100.0 To 9999. %

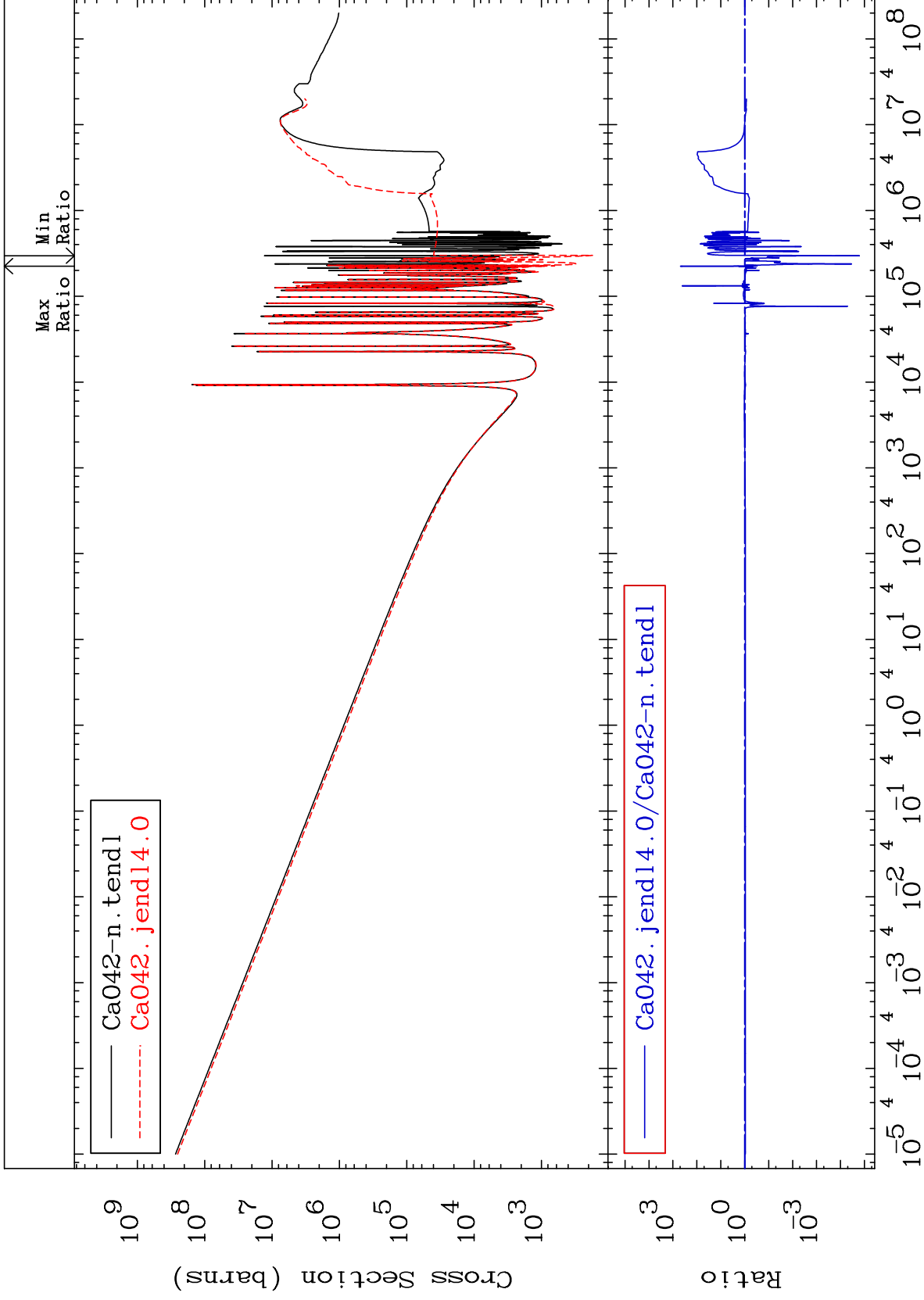


48

Incident Energy (eV)

20-Ca-42

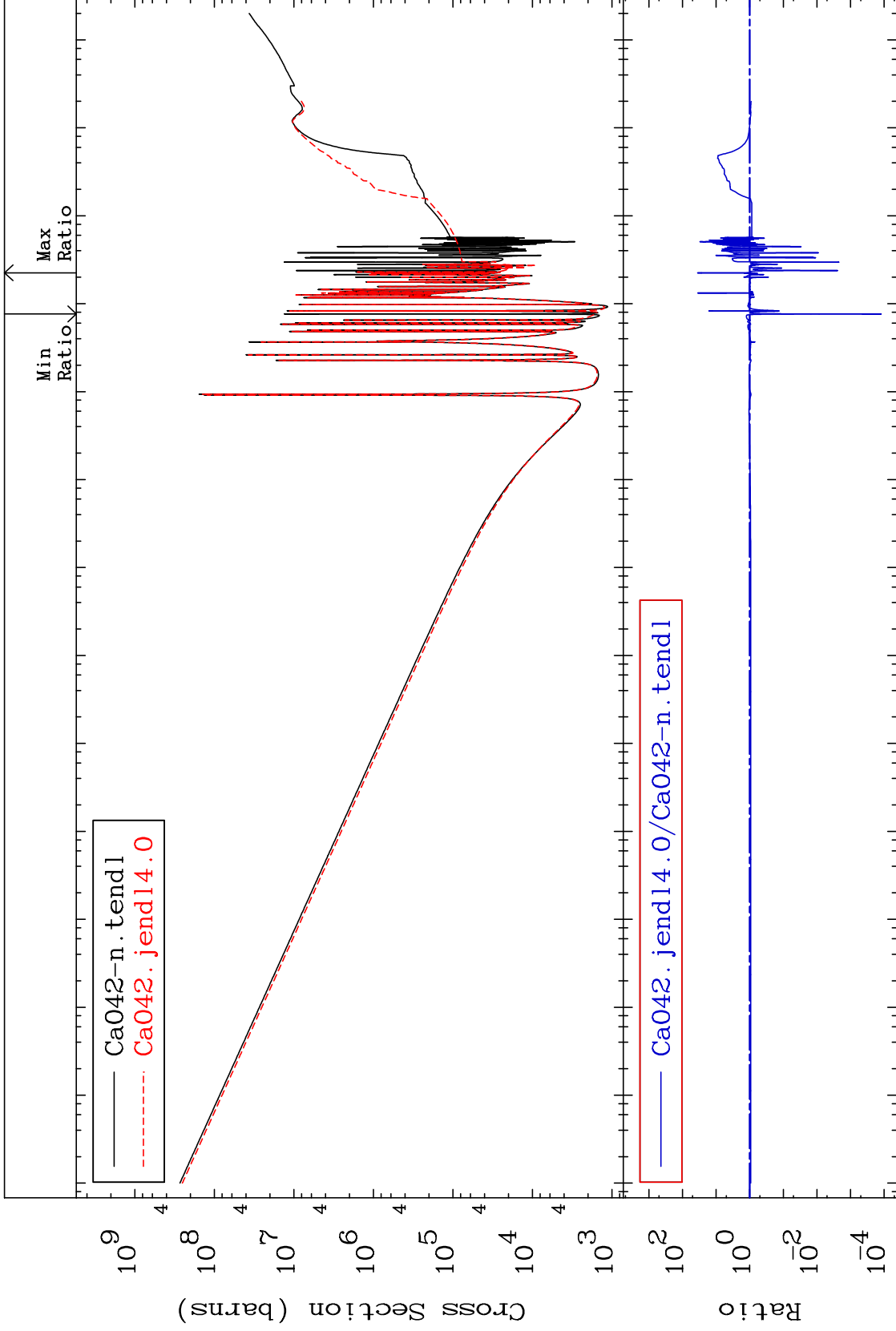




MAT 2031

Total kinematic kerma (high limit)  
Cross Section

20-Ca-42  
-99.99 To 3478. %



50

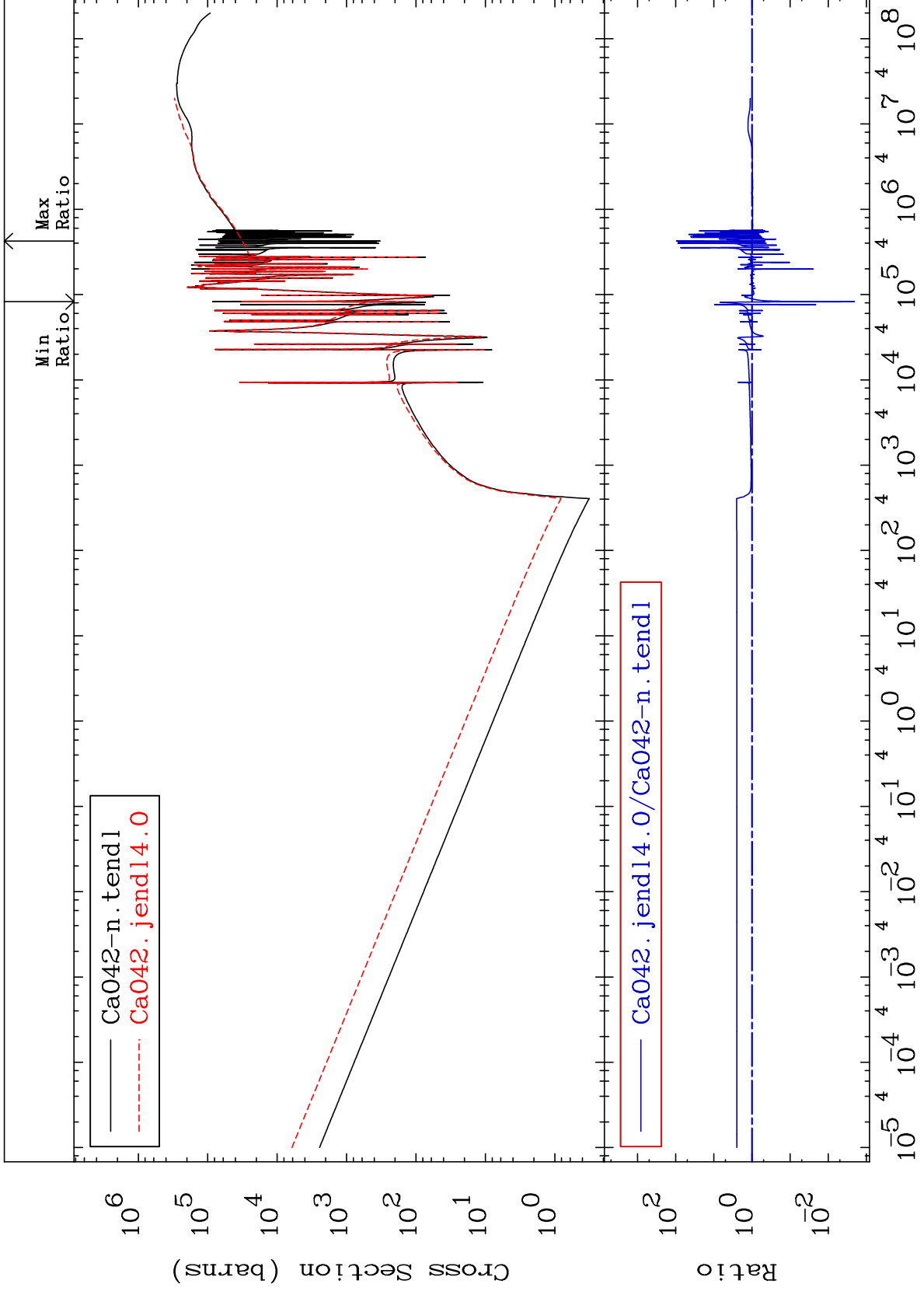
Incident Energy (eV)

20-Ca-42

MAT 2031

Dpa total (eV-barns)  
Cross Section

20-Ca-42  
-99.79 To 9533. %



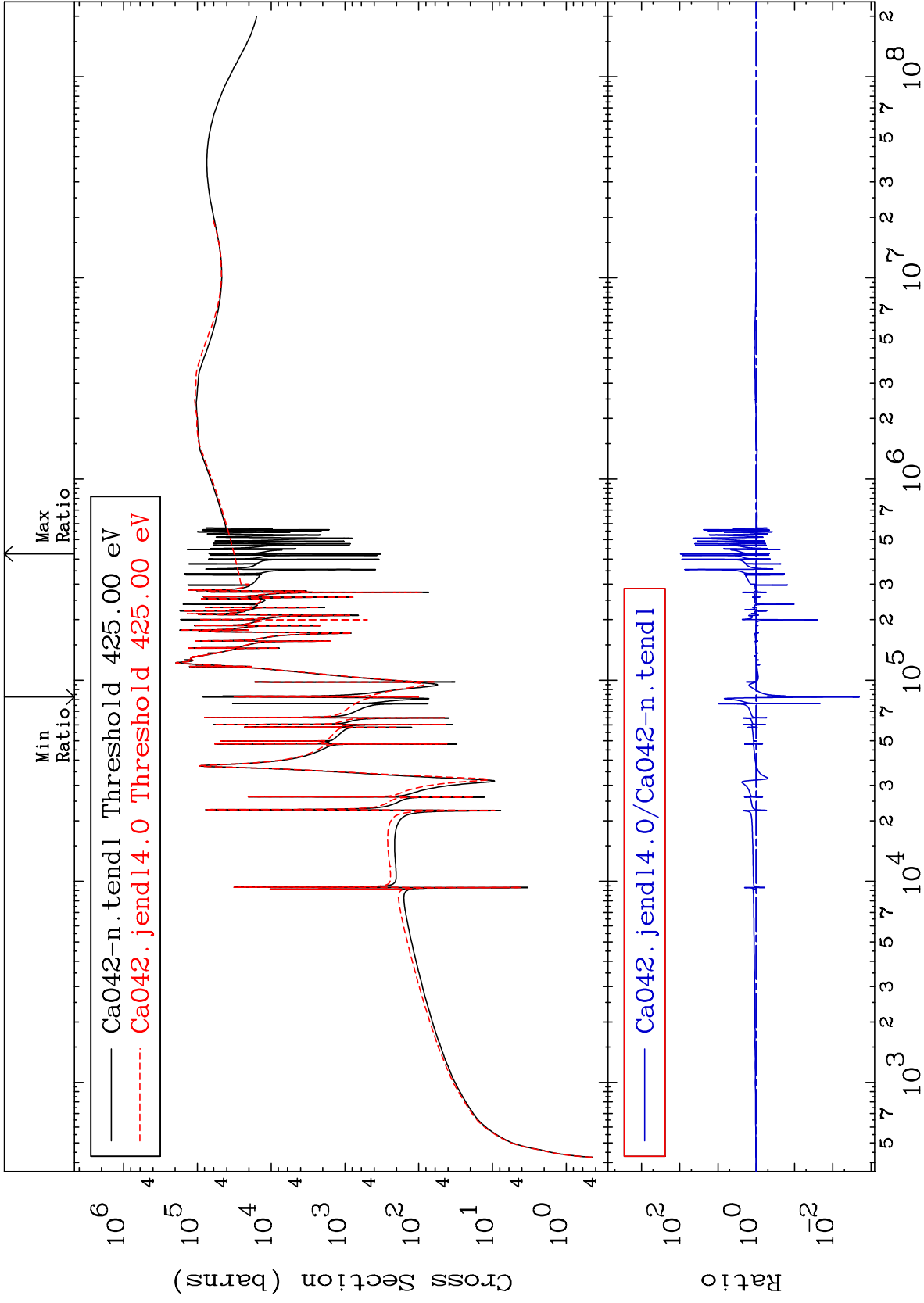
MAT 2031

Dpa elastic (mt2)

20-Ca-42

-99.80 To 9544. %

Cross Section



52

20-Ca-42

20-Ca-42

