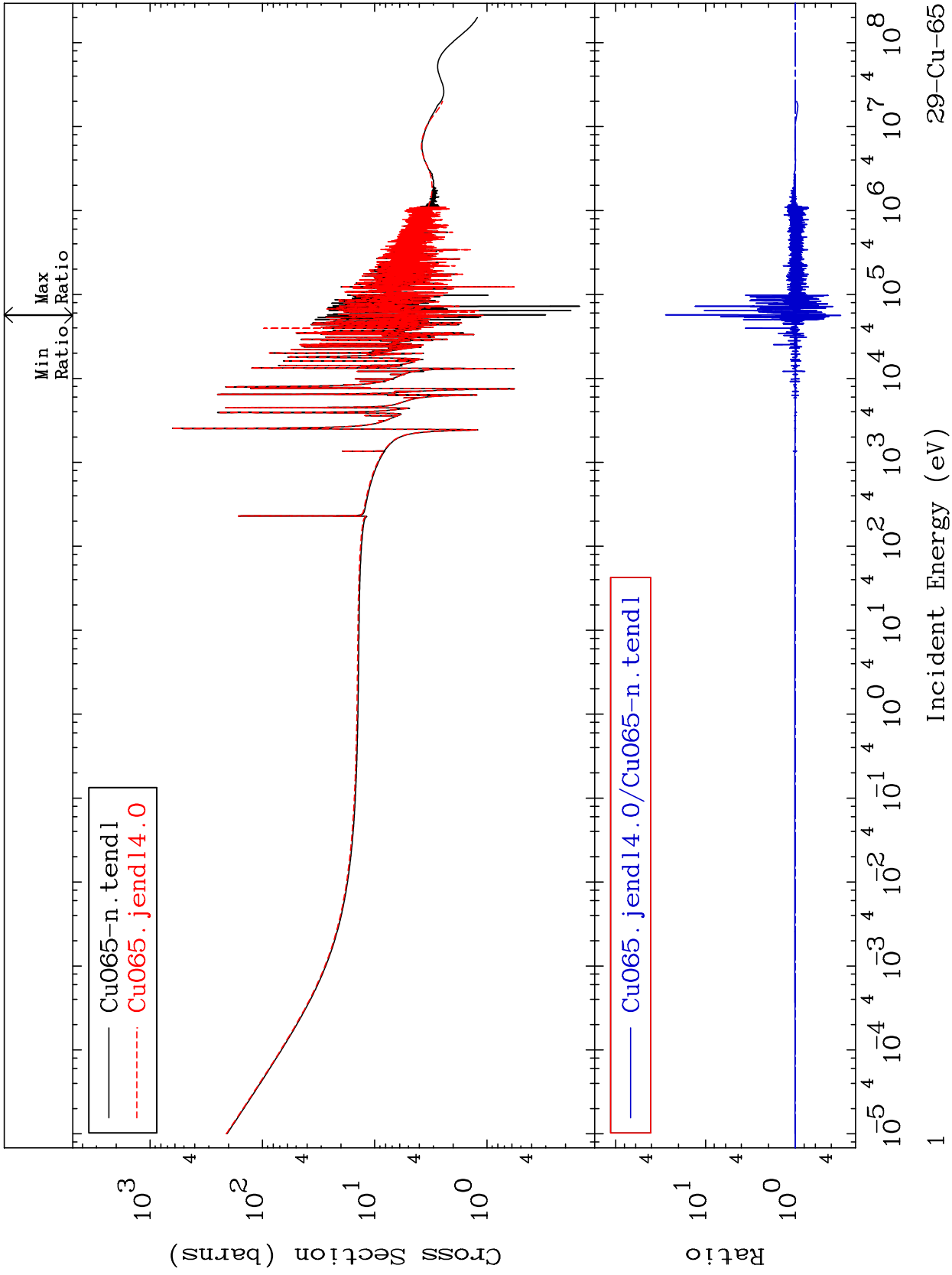


MAT 2931

Total  
Cross Section

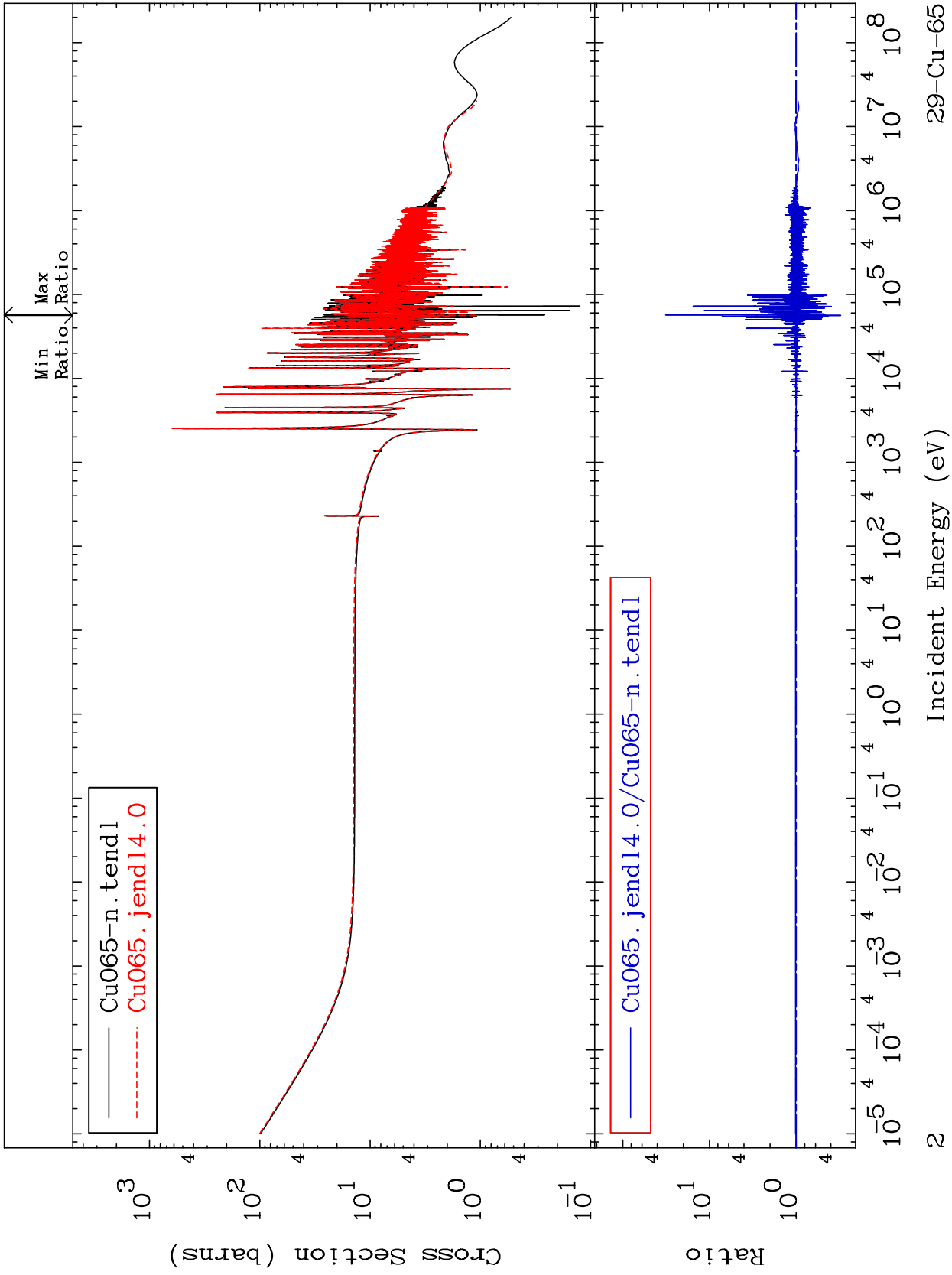
29-Cu-65  
-68.58 To 2692. %



MAT 2931

Elastic  
Cross Section

29-Cu-65  
-69.21 To 3116. %



29-Cu-65

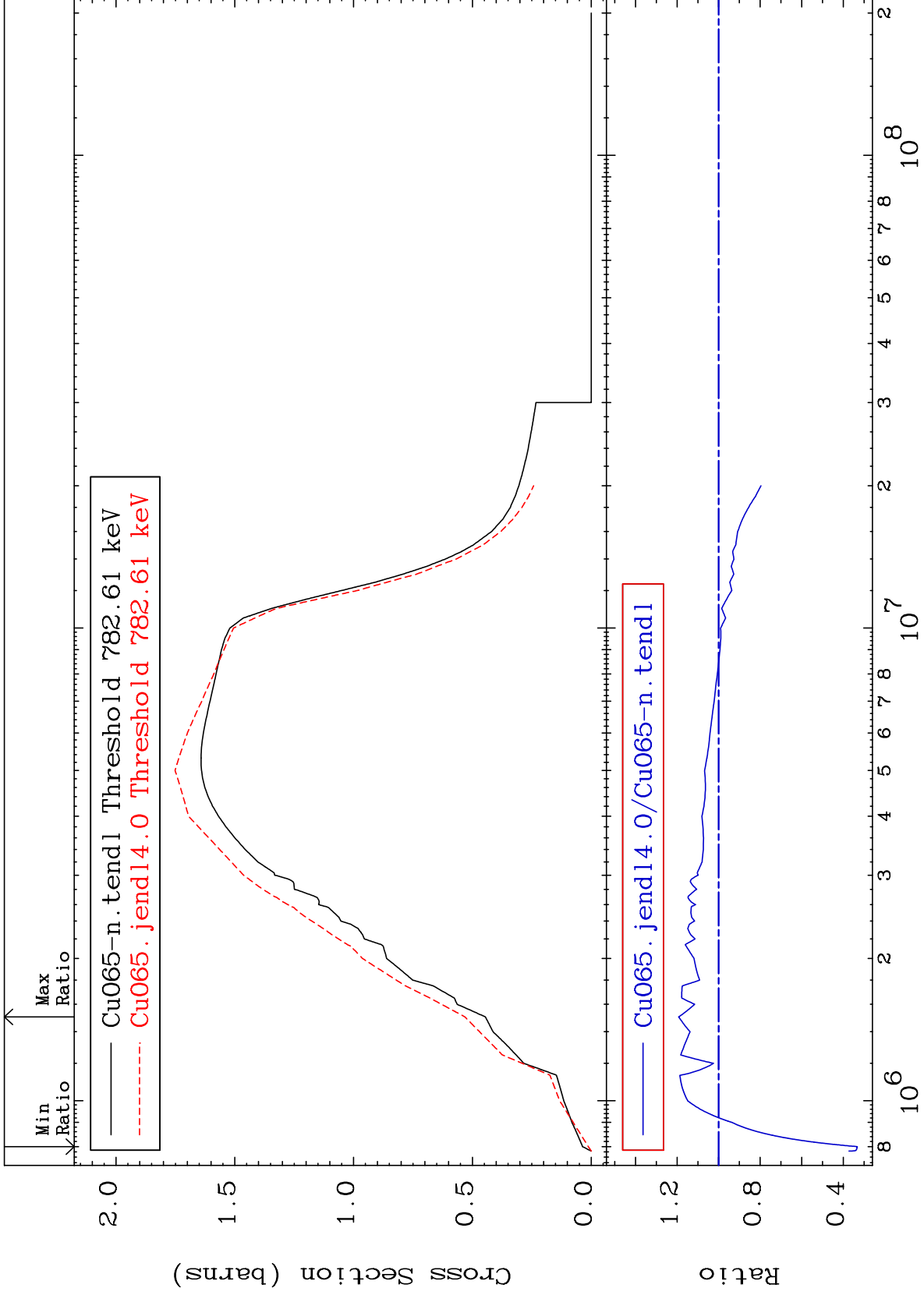
Incident Energy (eV)

2

MAT 2931

Inelastic  
Cross Section

29-Cu-65  
-66.73 To 19.25 %



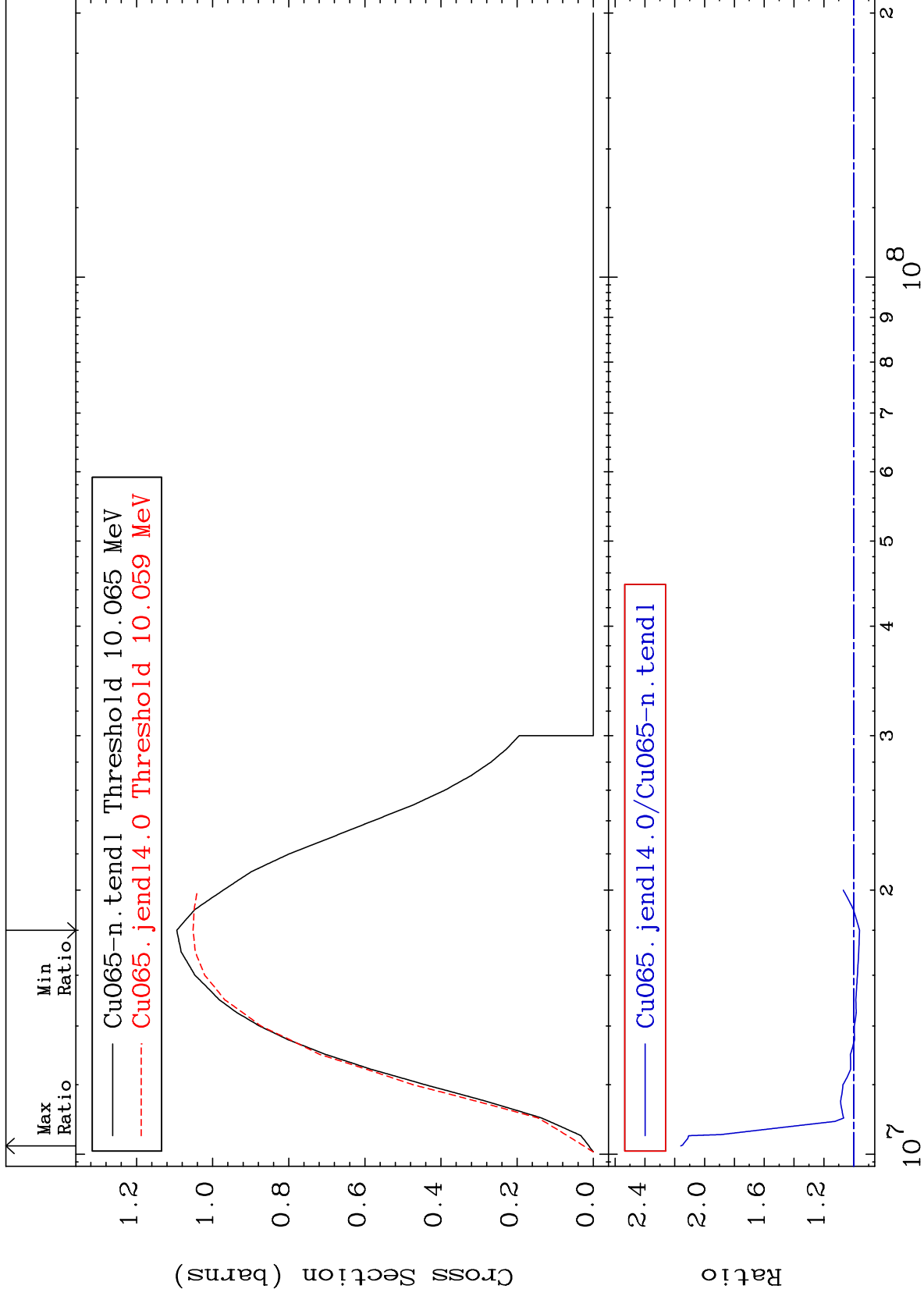
29-Cu-65

3

MAT 2931

(n,2n)  
Cross Section

29-Cu-65  
-3.925 To 116.0 %



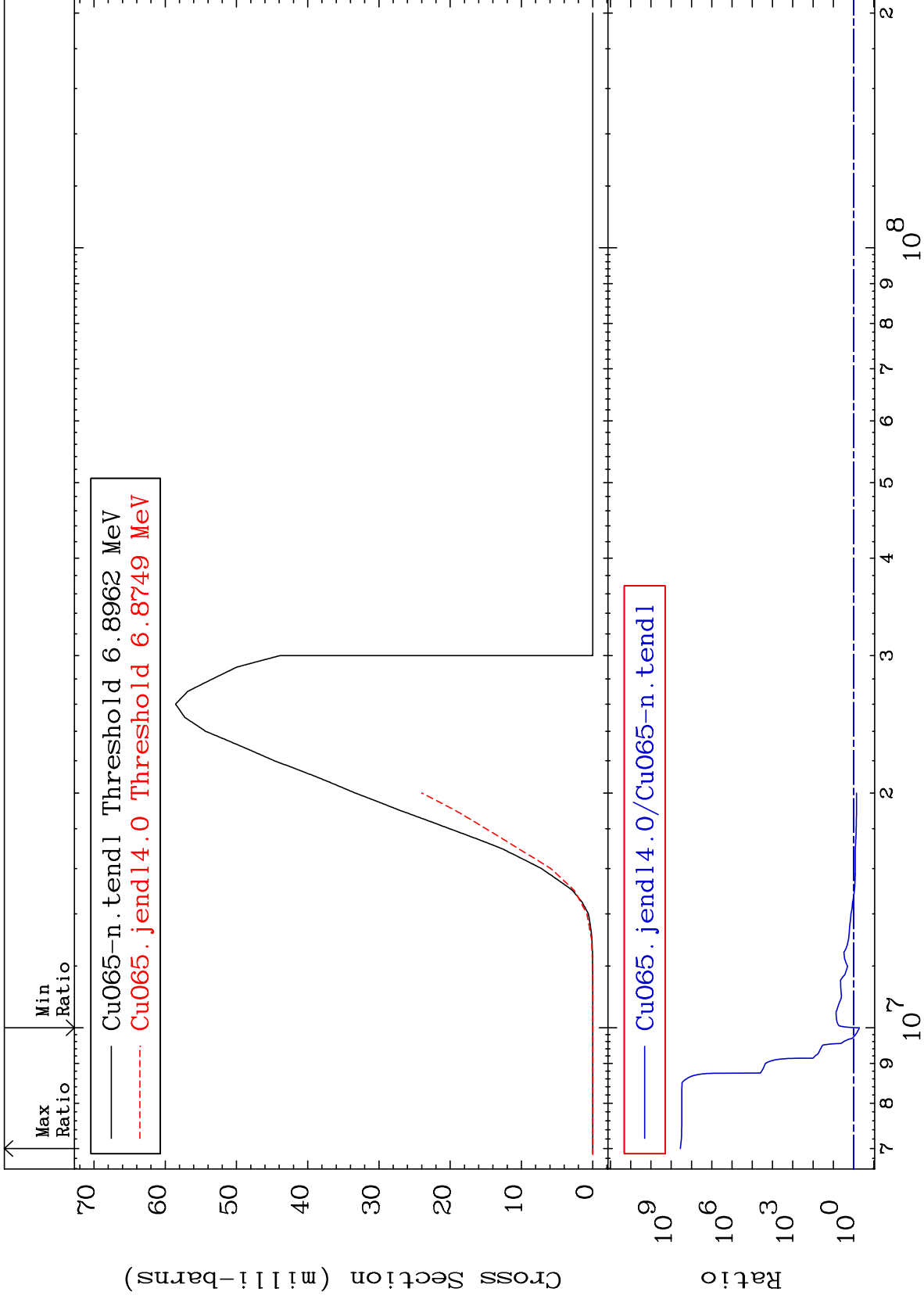
29-Cu-65

29-Cu-65

MAT 2931

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

29-Cu-65  
-48.61 To 9999. %



5

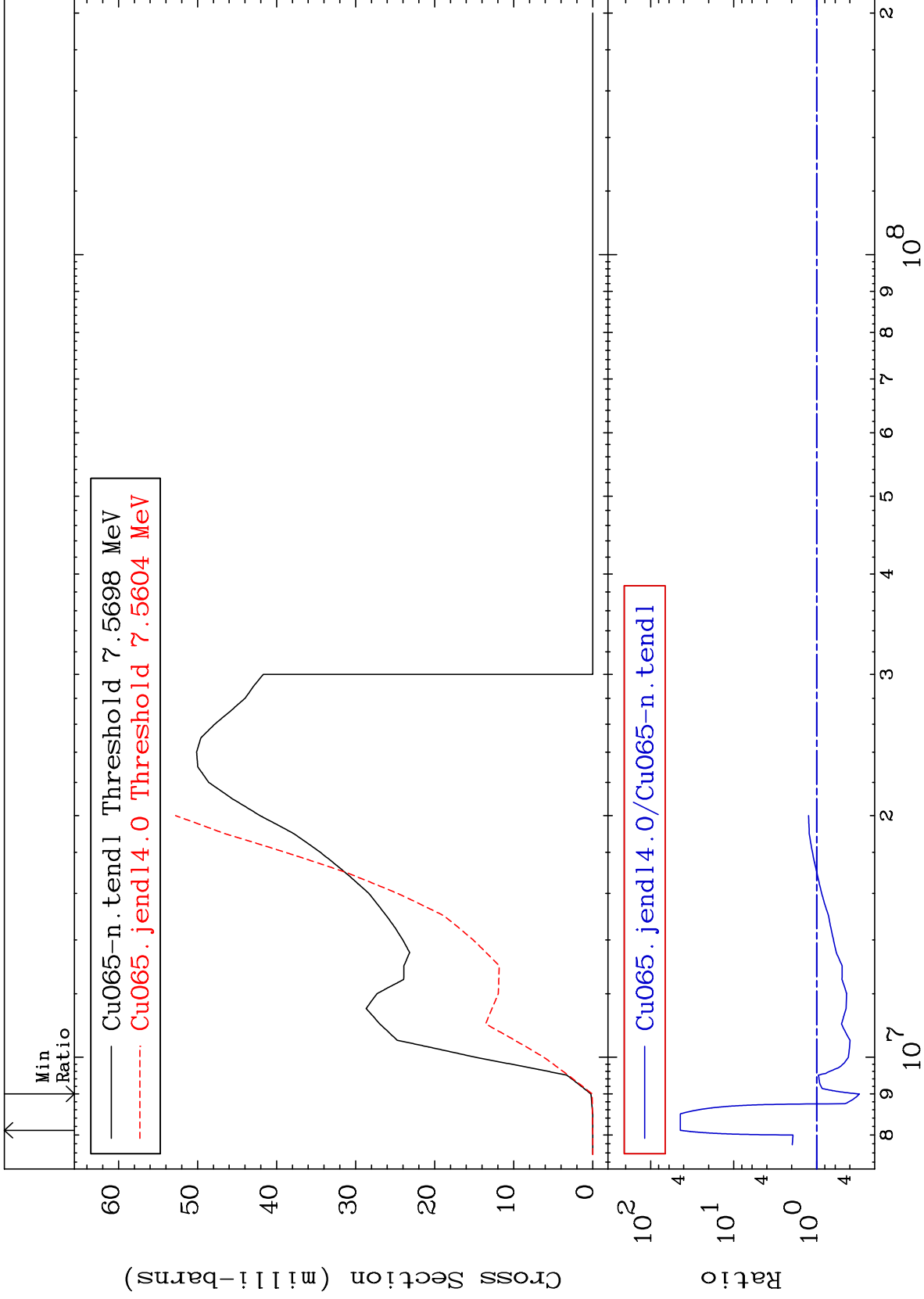
Incident Energy (eV)

29-Cu-65

MAT 2931

(n,n') p  
Cross Section

29-Cu-65  
-69.34 To 4285. %



6

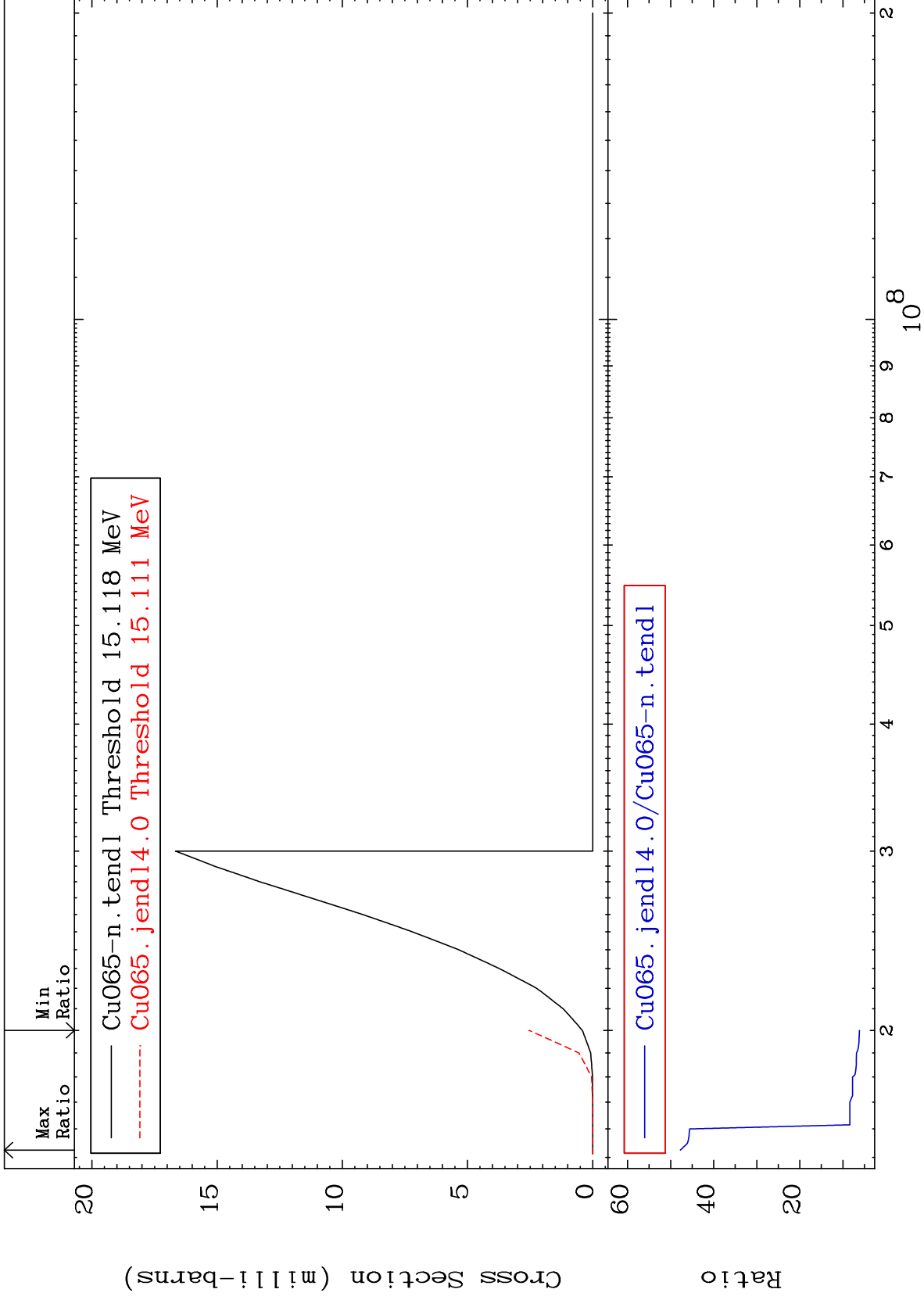
Incident Energy (eV)

29-Cu-65

MAT 2931

(n,n') d  
Cross Section

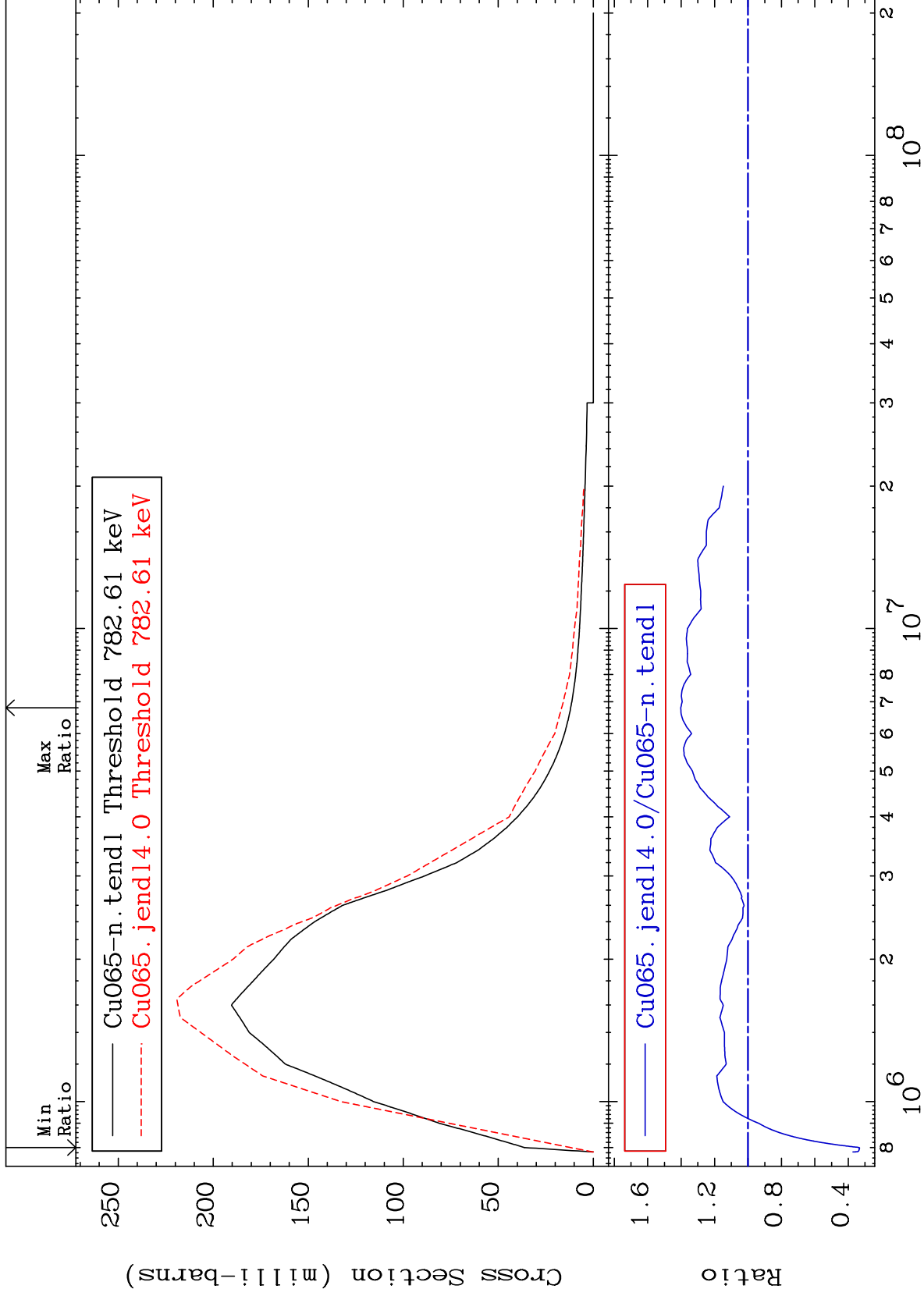
29-Cu-65  
516.1 To 4675. %



MAT 2931

770.6 keV (n,n') Level  
Cross Section

29-Cu-65  
-66.73 To 40.23 %

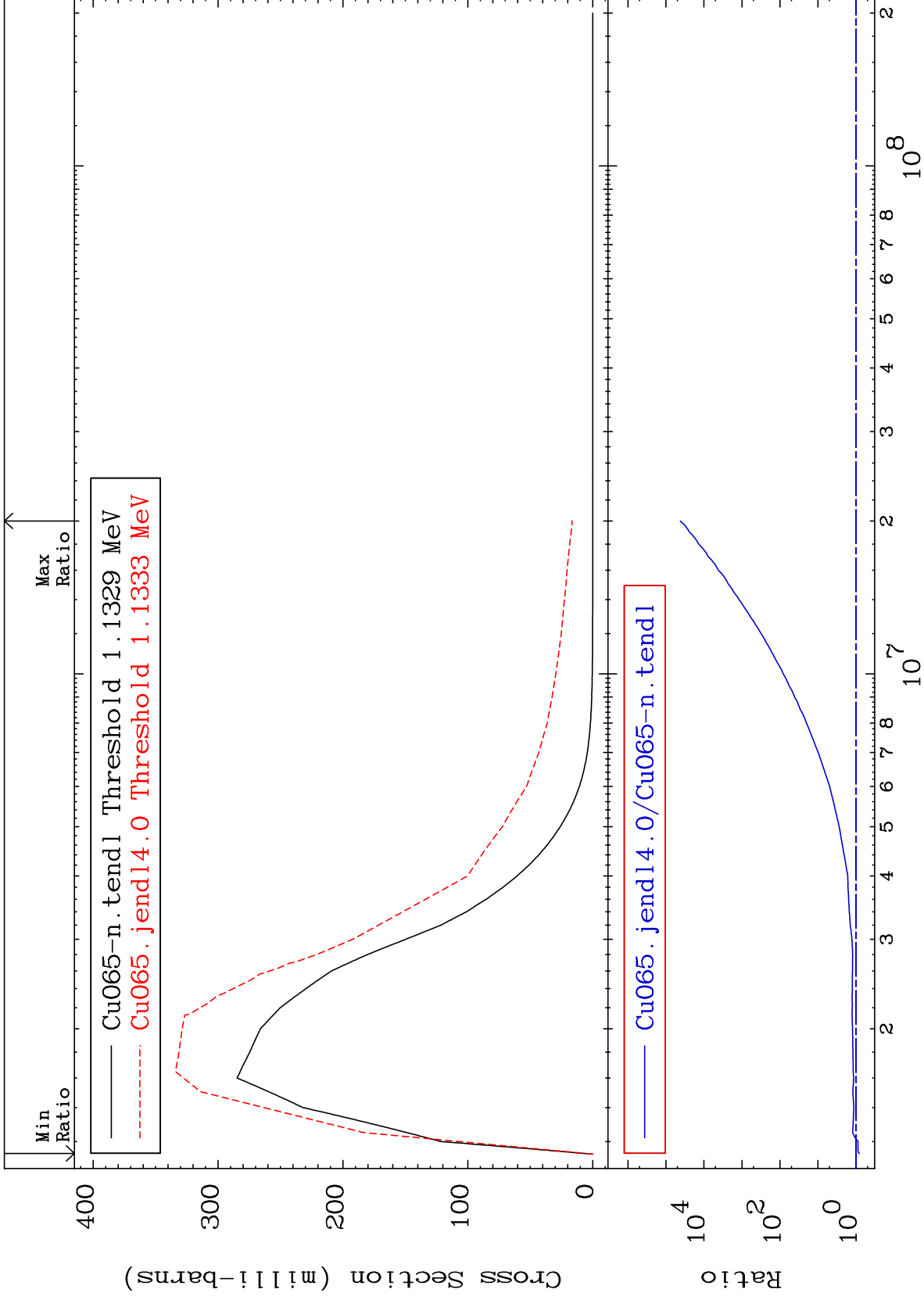




MAT 2931

1.116 MeV (n,n') Level  
Cross Section

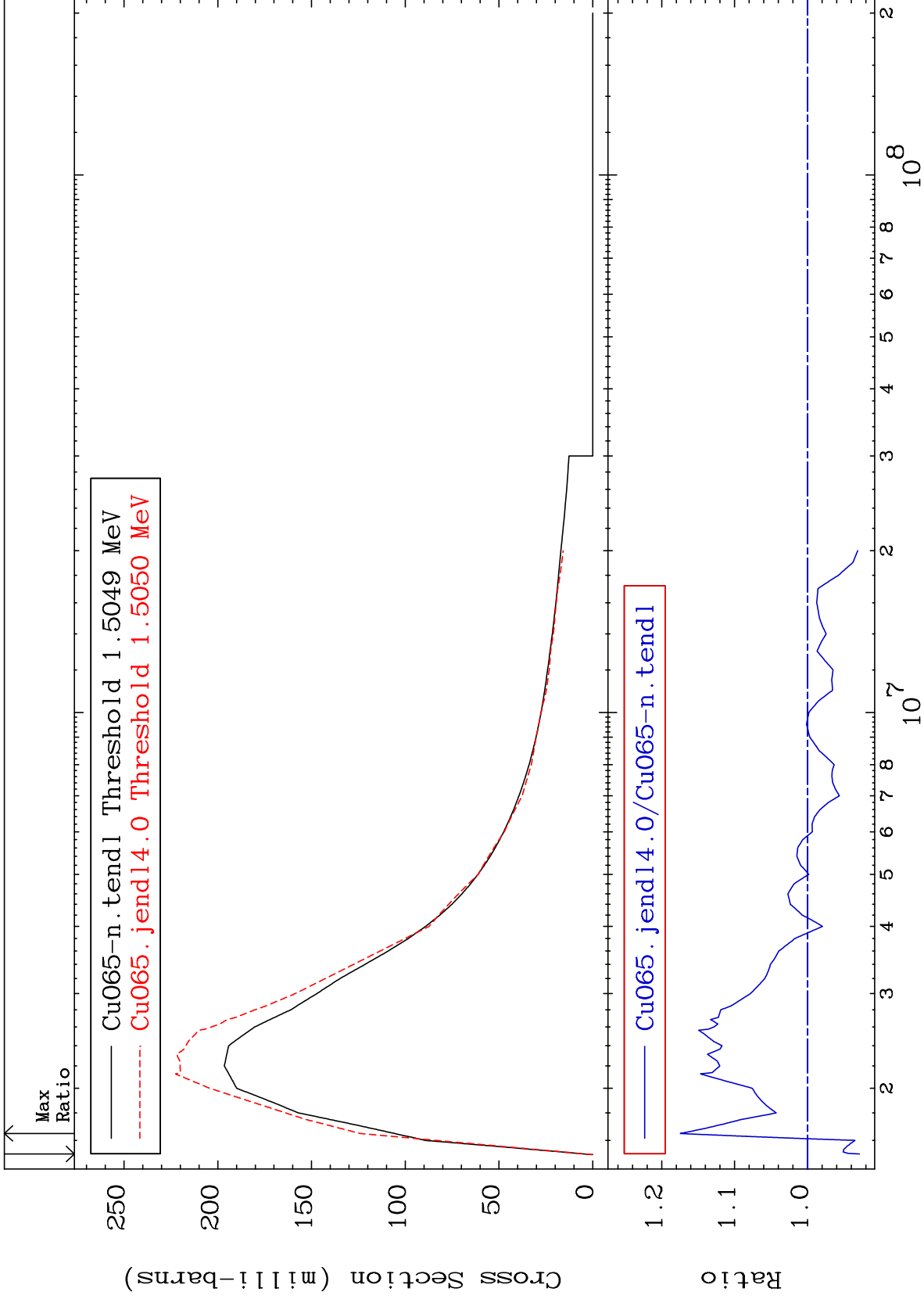
29-Cu-65  
-18.69 To 9999. %



MAT 2931

1.482 MeV (n,n') Level  
Cross Section

29-Cu-65  
-7.113 To 17.44 %



10

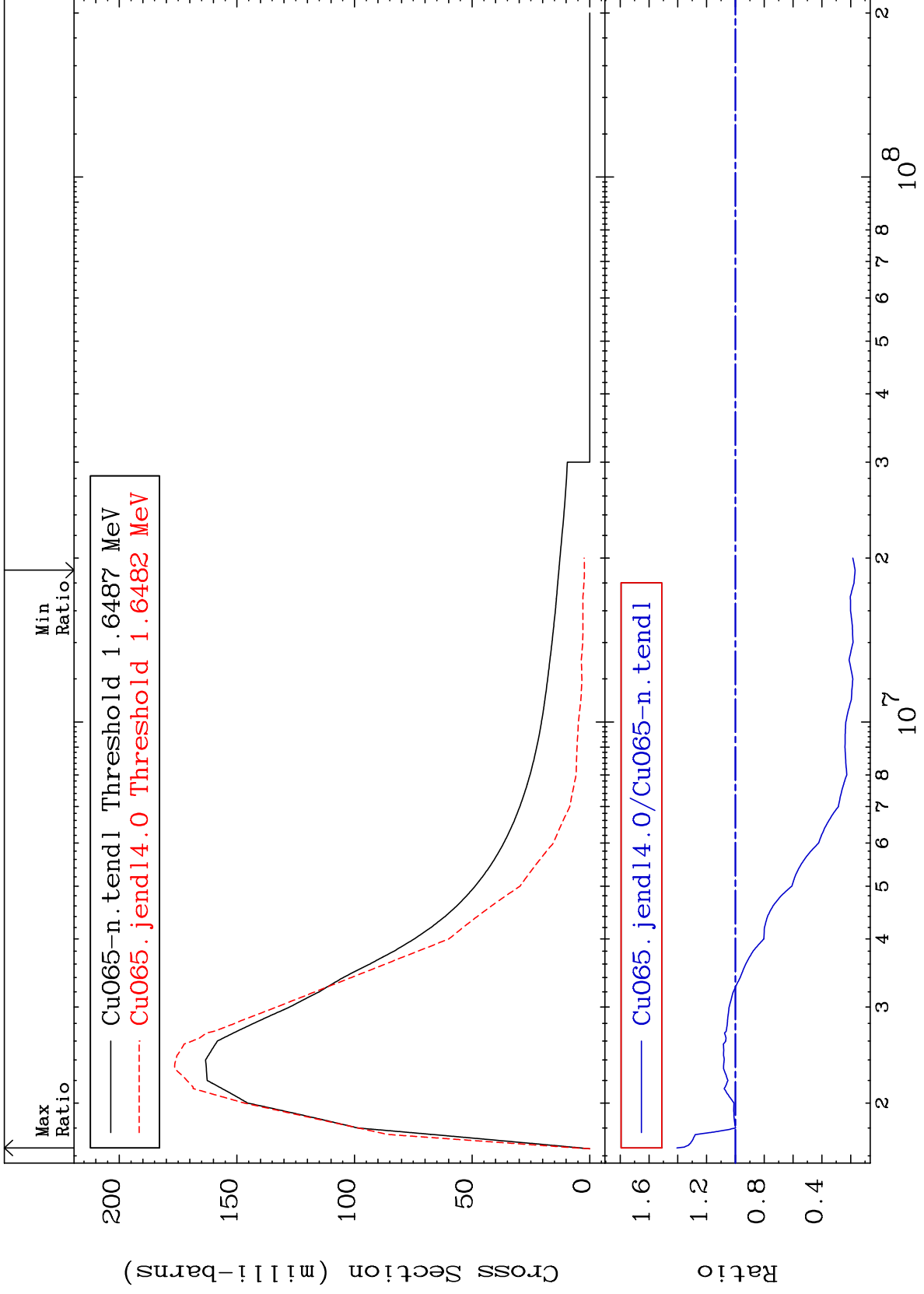
Incident Energy (eV)

29-Cu-65

MAT 2931

1.623 MeV (n,n') Level  
Cross Section

29-Cu-65  
-83.05 To 40.61 %



11

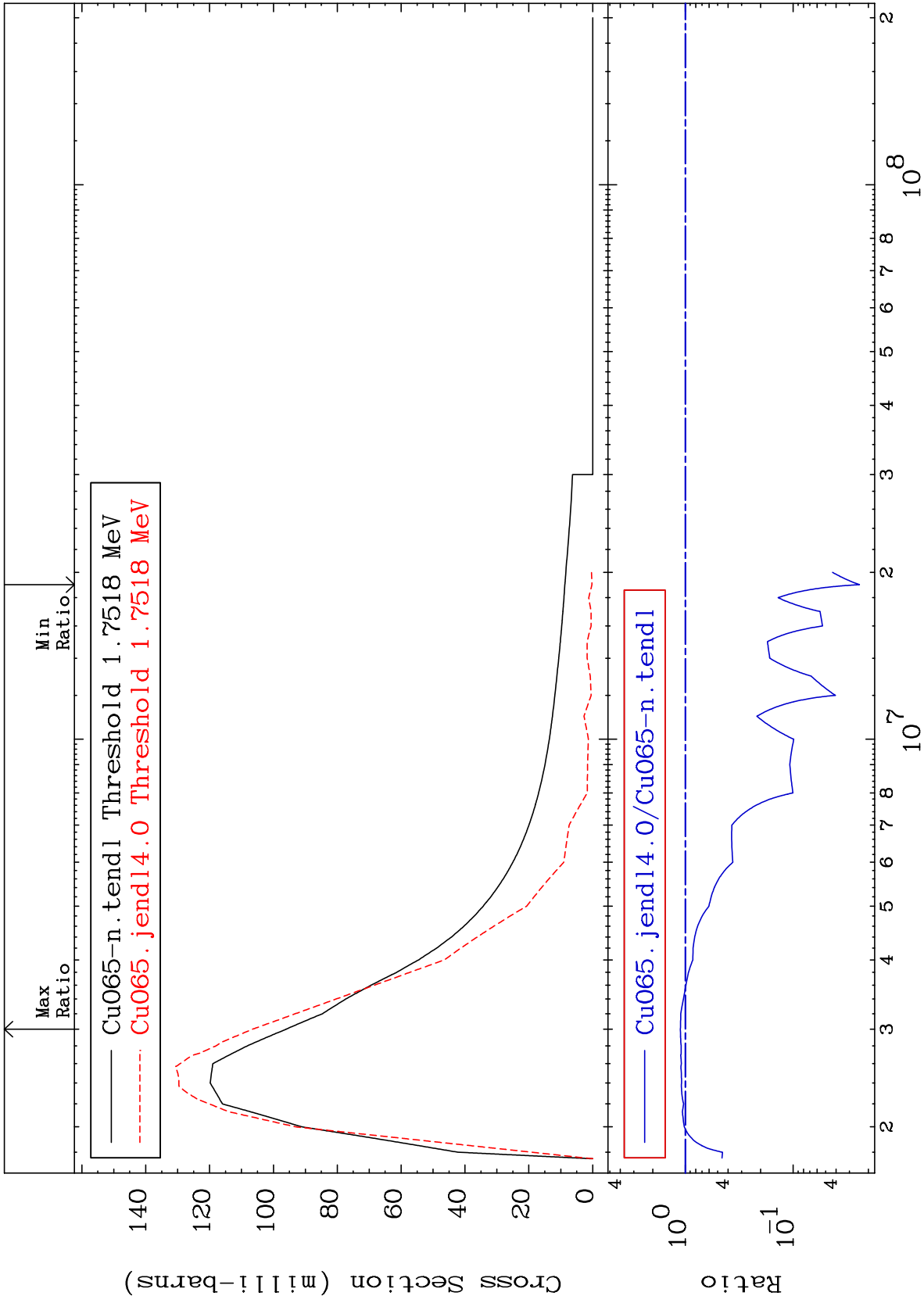
Incident Energy (eV)

29-Cu-65

MAT 2931

1.725 MeV (n,n') Level  
Cross Section

29-Cu-65  
-97.57 To 10.94 %



12

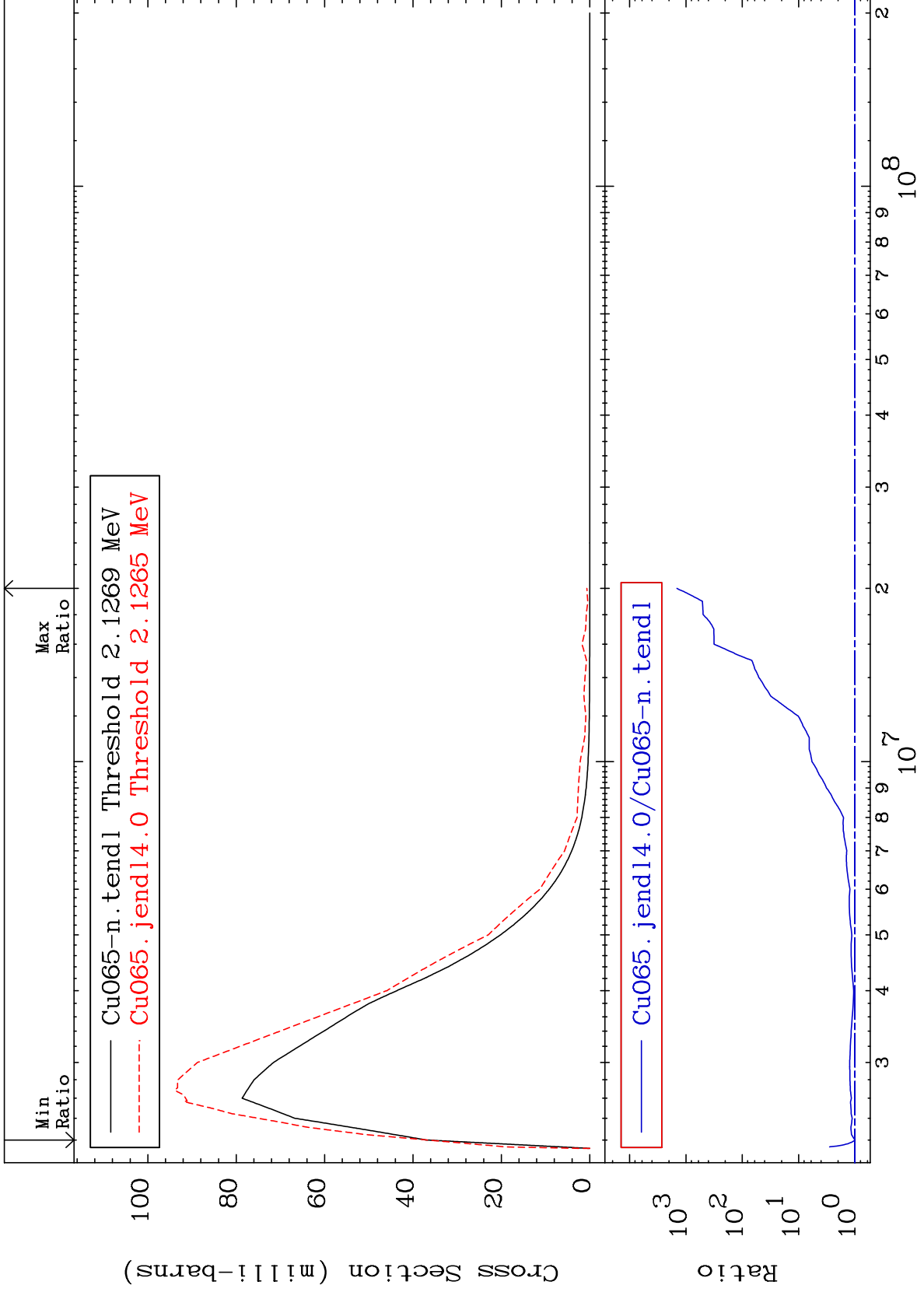
Incident Energy (eV)

29-Cu-65

MAT 2931

2.094 MeV (n,n') Level  
Cross Section

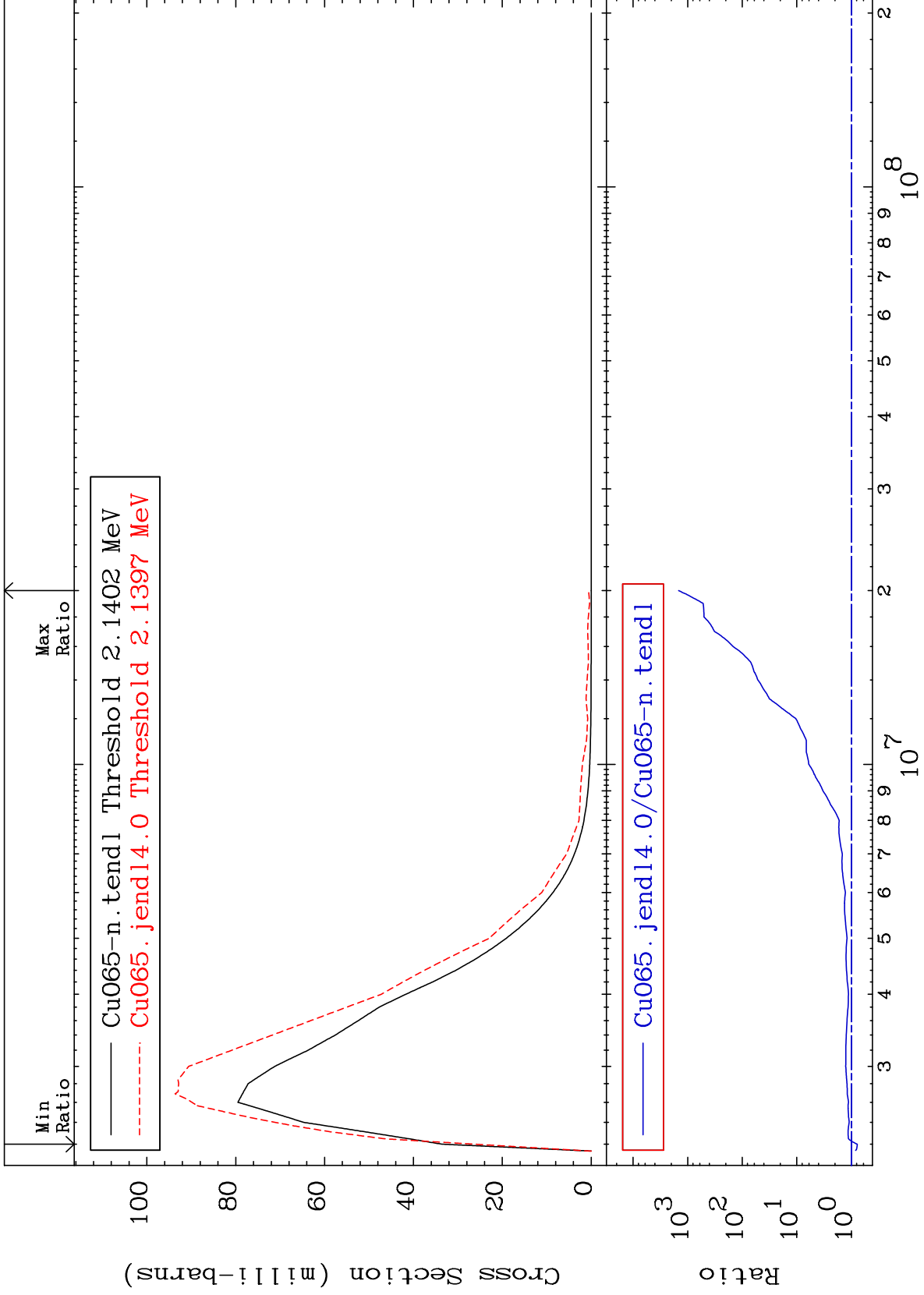
29-Cu-65  
-0.565 To 9999. %



MAT 2931

2.107 MeV (n,n') Level  
Cross Section

29-Cu-65  
-21.86 To 9999. %



14

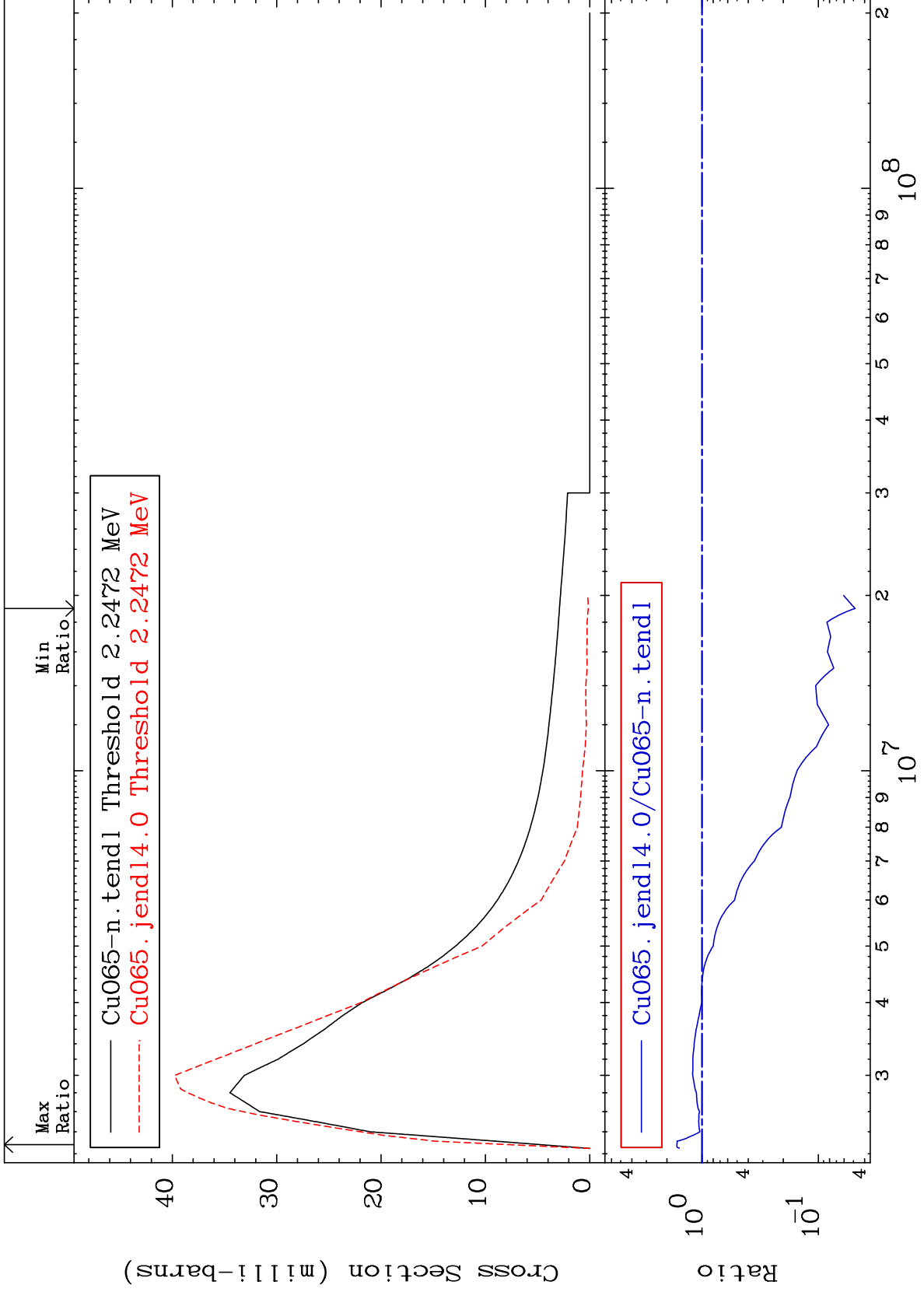
Incident Energy (eV)

29-Cu-65

MAT 2931

2.213 MeV (n,n') Level  
Cross Section

29-Cu-65  
-95.17 To 64.20 %



15

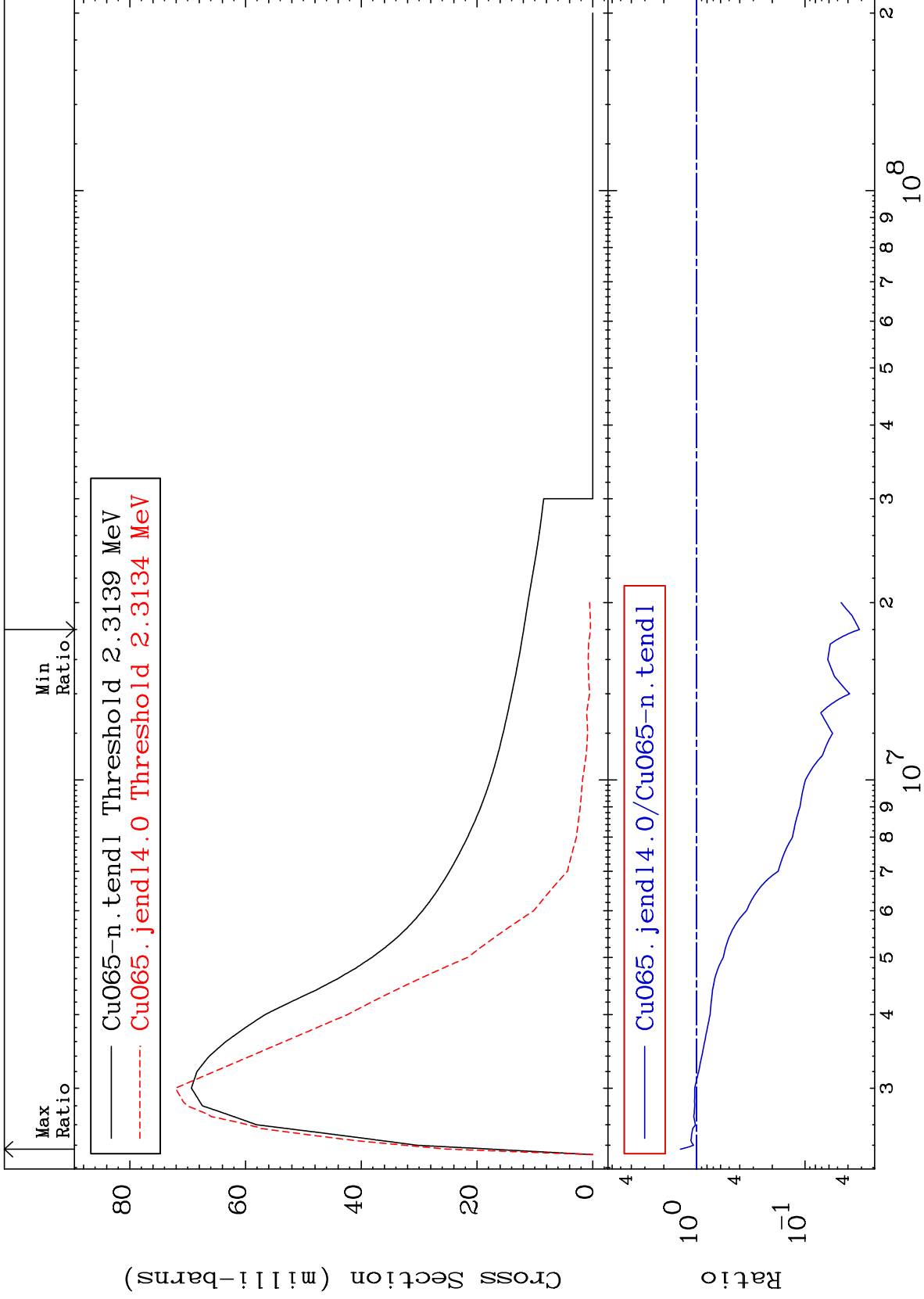
Incident Energy (eV)

29-Cu-65

MAT 2931

2.278 MeV (n,n') Level  
Cross Section

29-Cu-65  
-96.86 To 40.96 %



16

Incident Energy (eV)

29-Cu-65



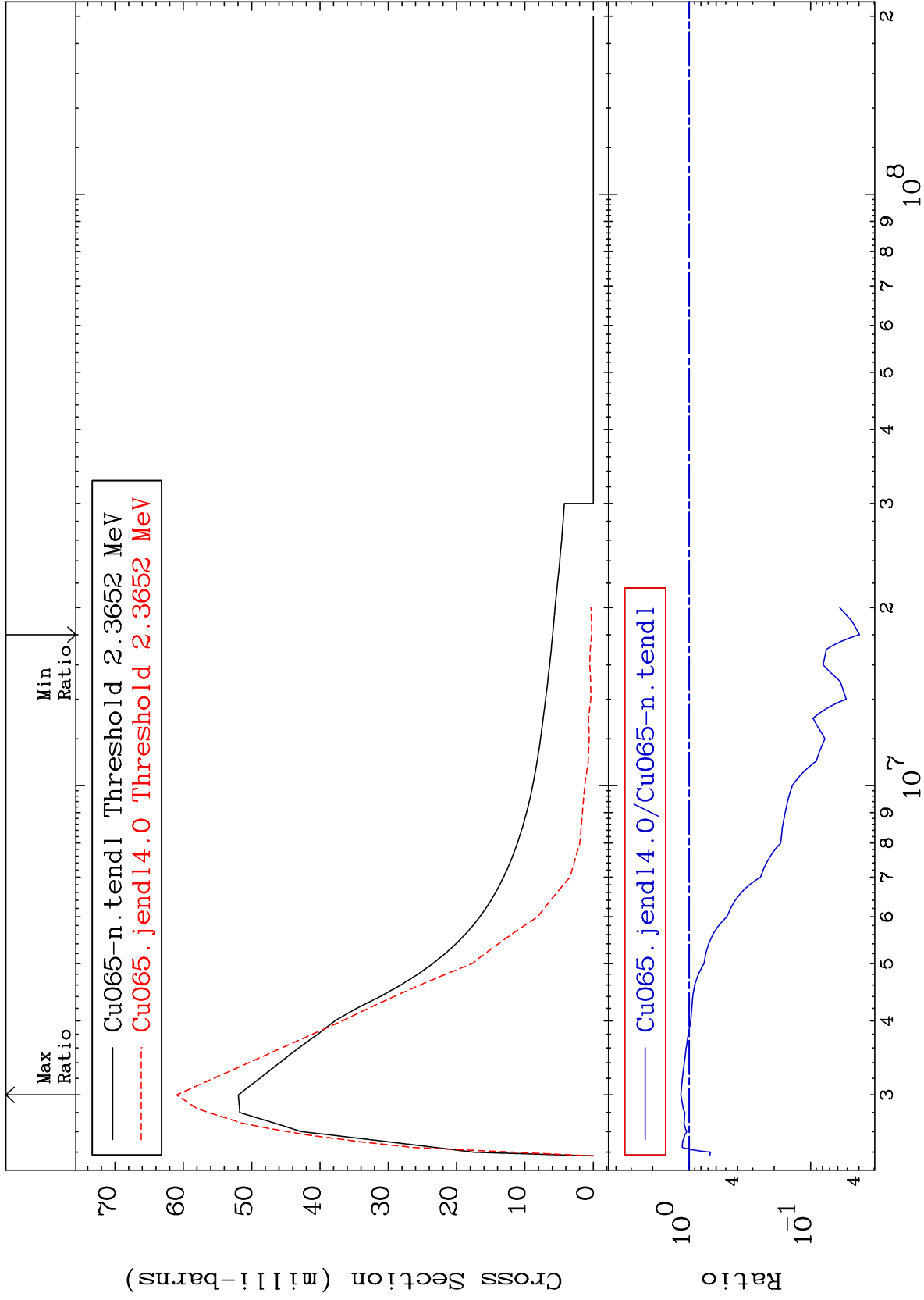
MAT 2931

2.329 MeV (n,n') Level

29-Cu-65

-96.04 To 17.35 %

Cross Section



17

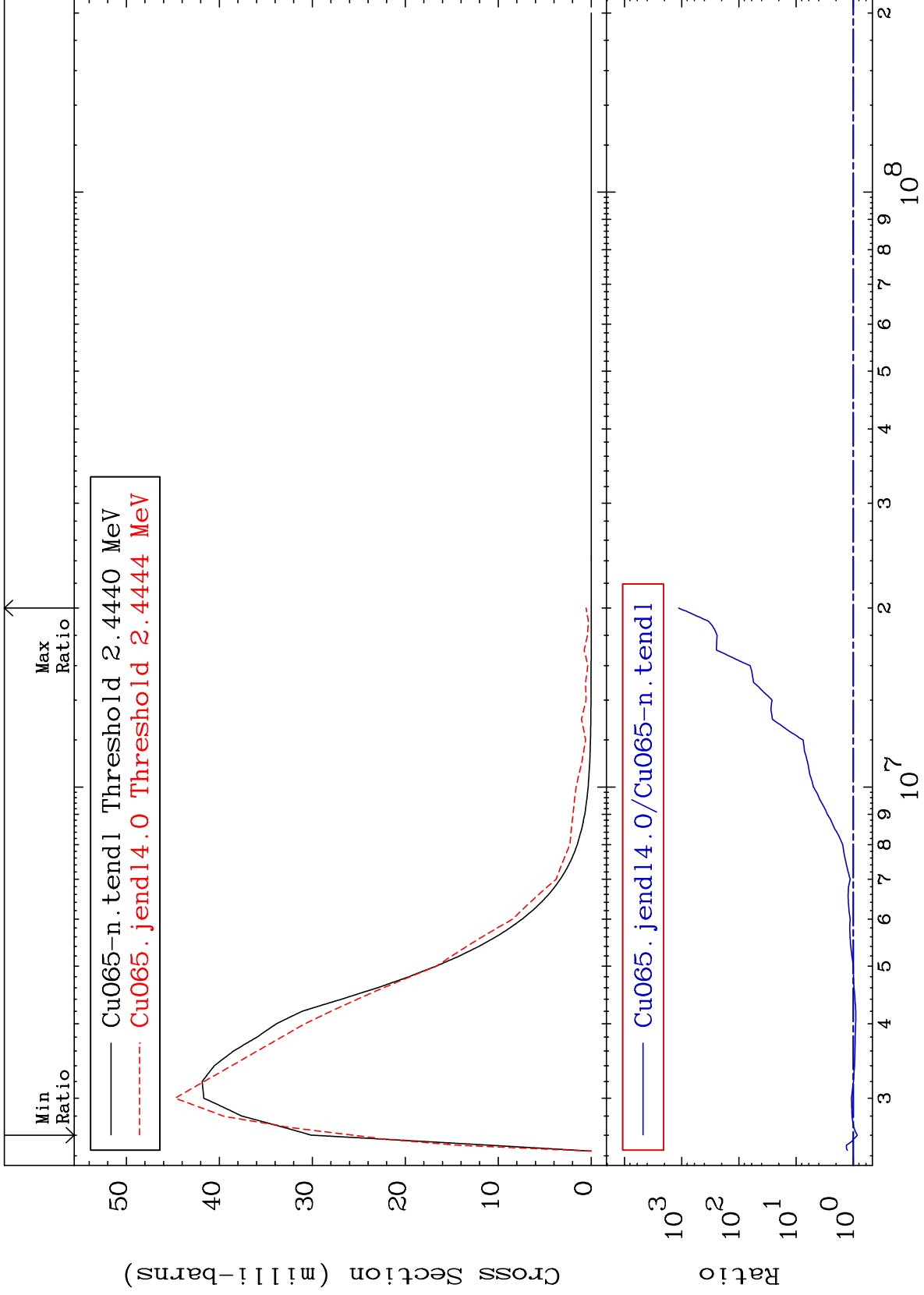
Incident Energy (eV)

29-Cu-65

MAT 2931

2.407 MeV (n,n') Level  
Cross Section

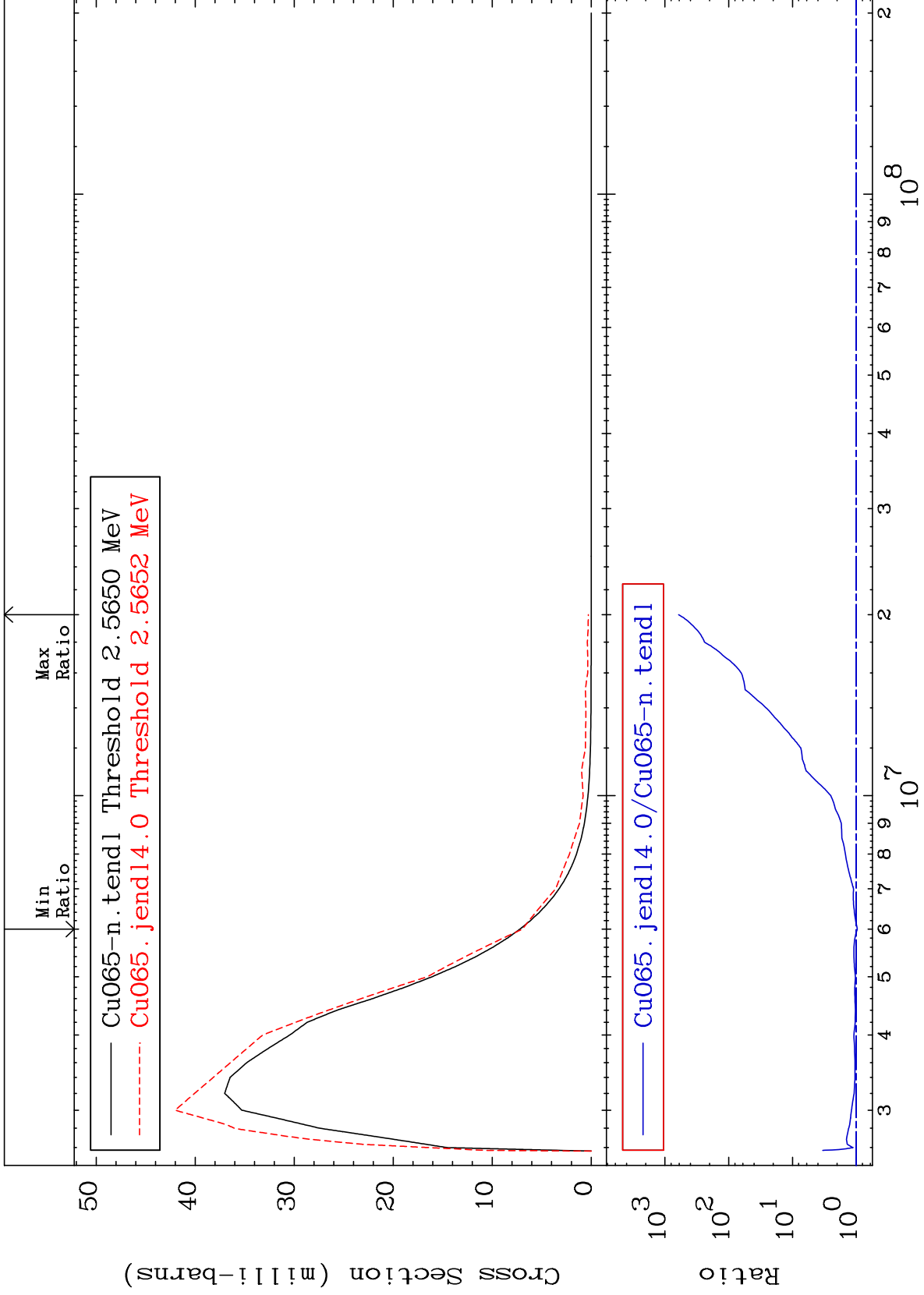
29-Cu-65  
-14.76 To 9999. %



MAT 2931

2.526 MeV (n,n') Level  
Cross Section

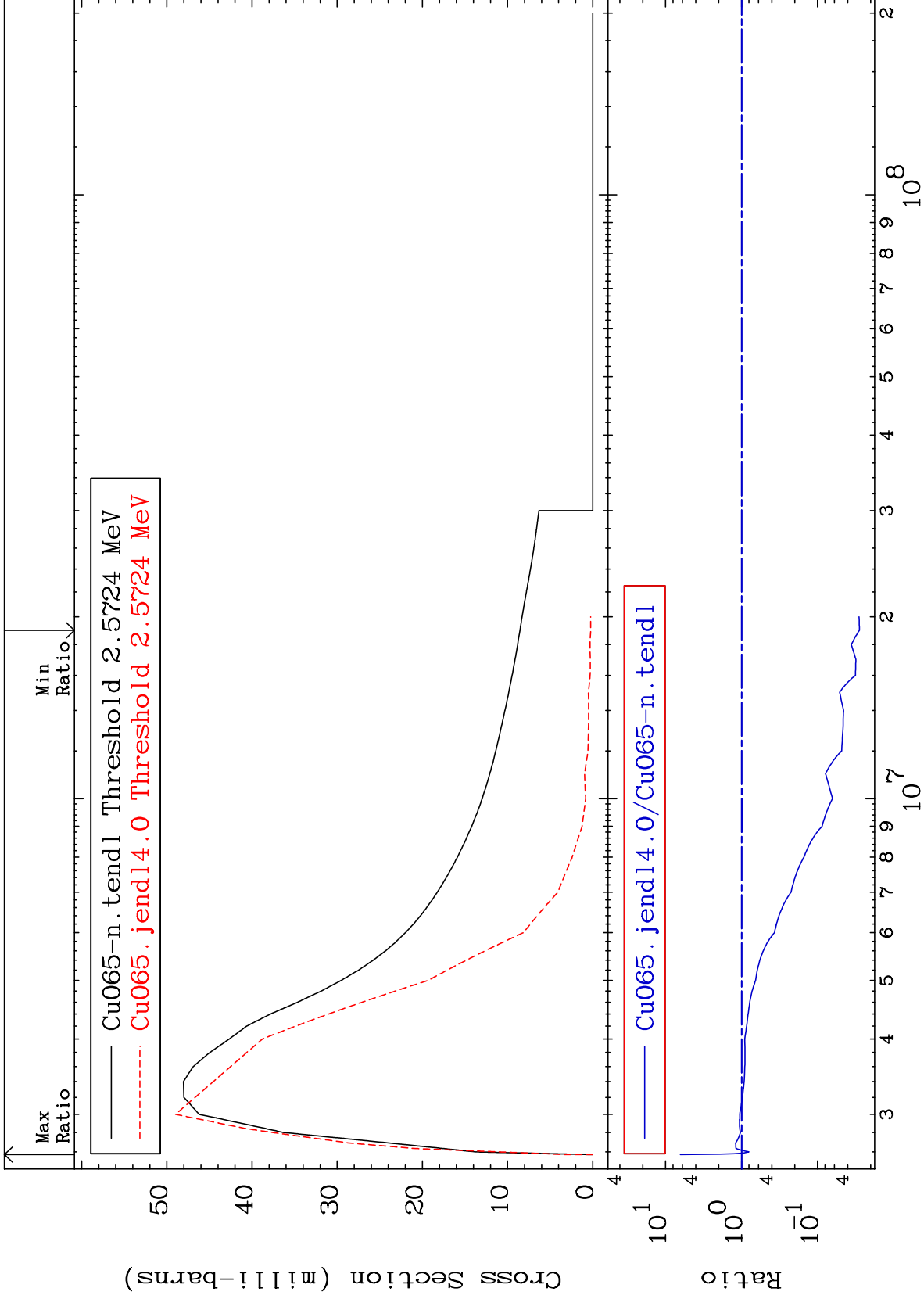
29-Cu-65  
-3.463 To 9999. %



MAT 2931

2.533 MeV (n,n') Level  
Cross Section

29-Cu-65  
-97.18 To 539.3 %



20

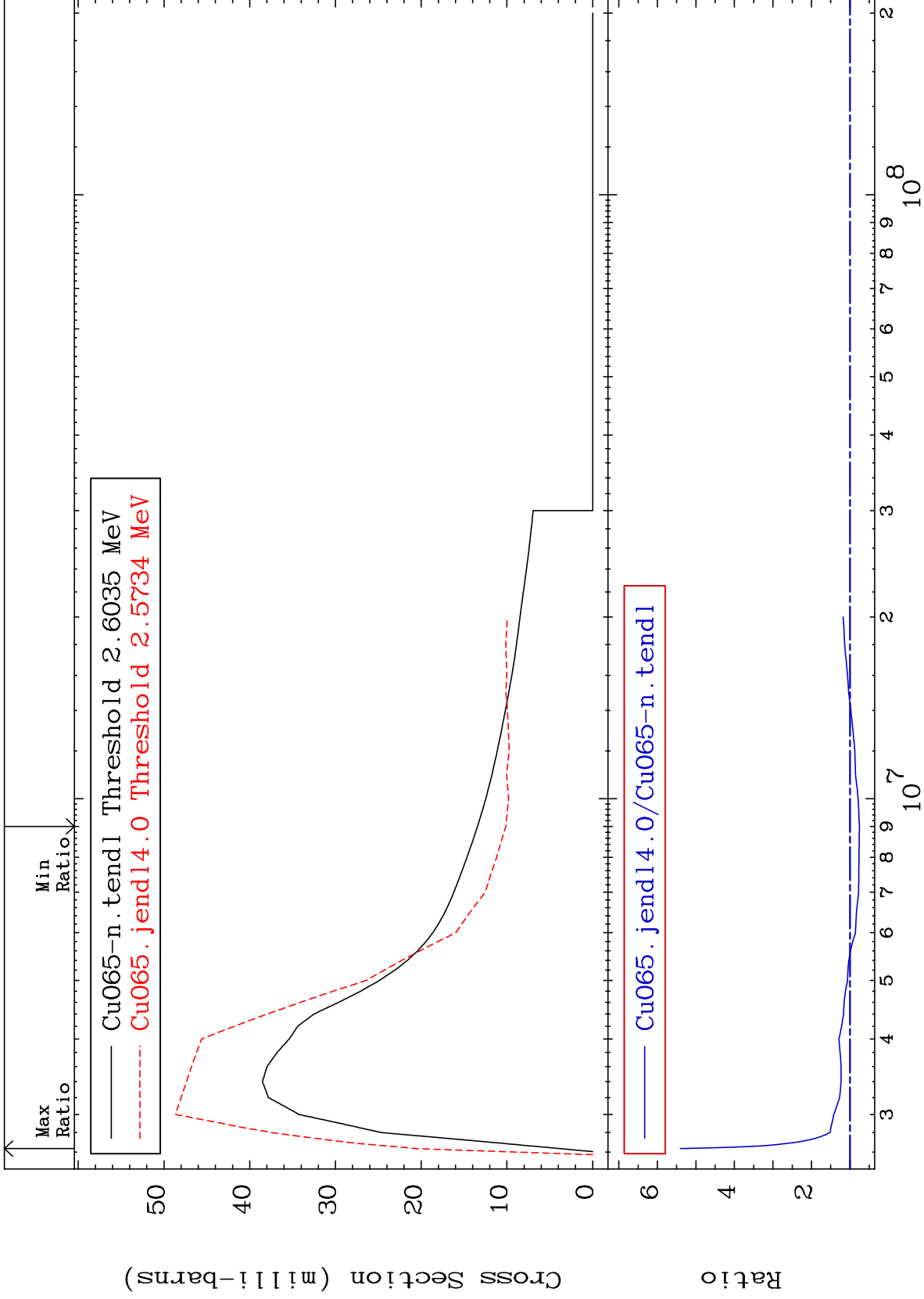
29-Cu-65

29-Cu-65

MAT 2931

2.564 MeV (n,n') Level  
Cross Section

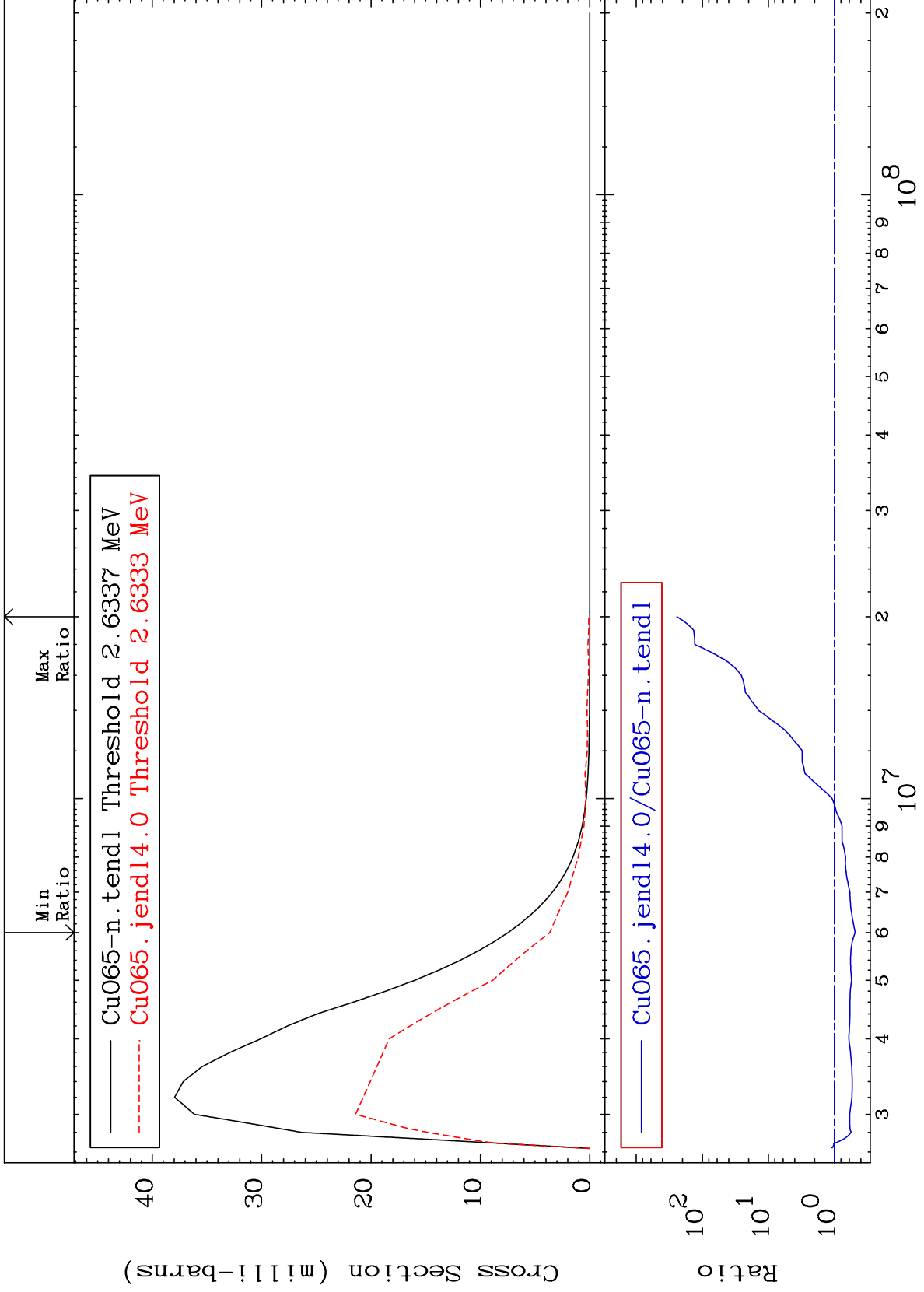
29-Cu-65  
-24.57 To 440.3 %



MAT 2931

2.593 MeV (n,n') Level  
Cross Section

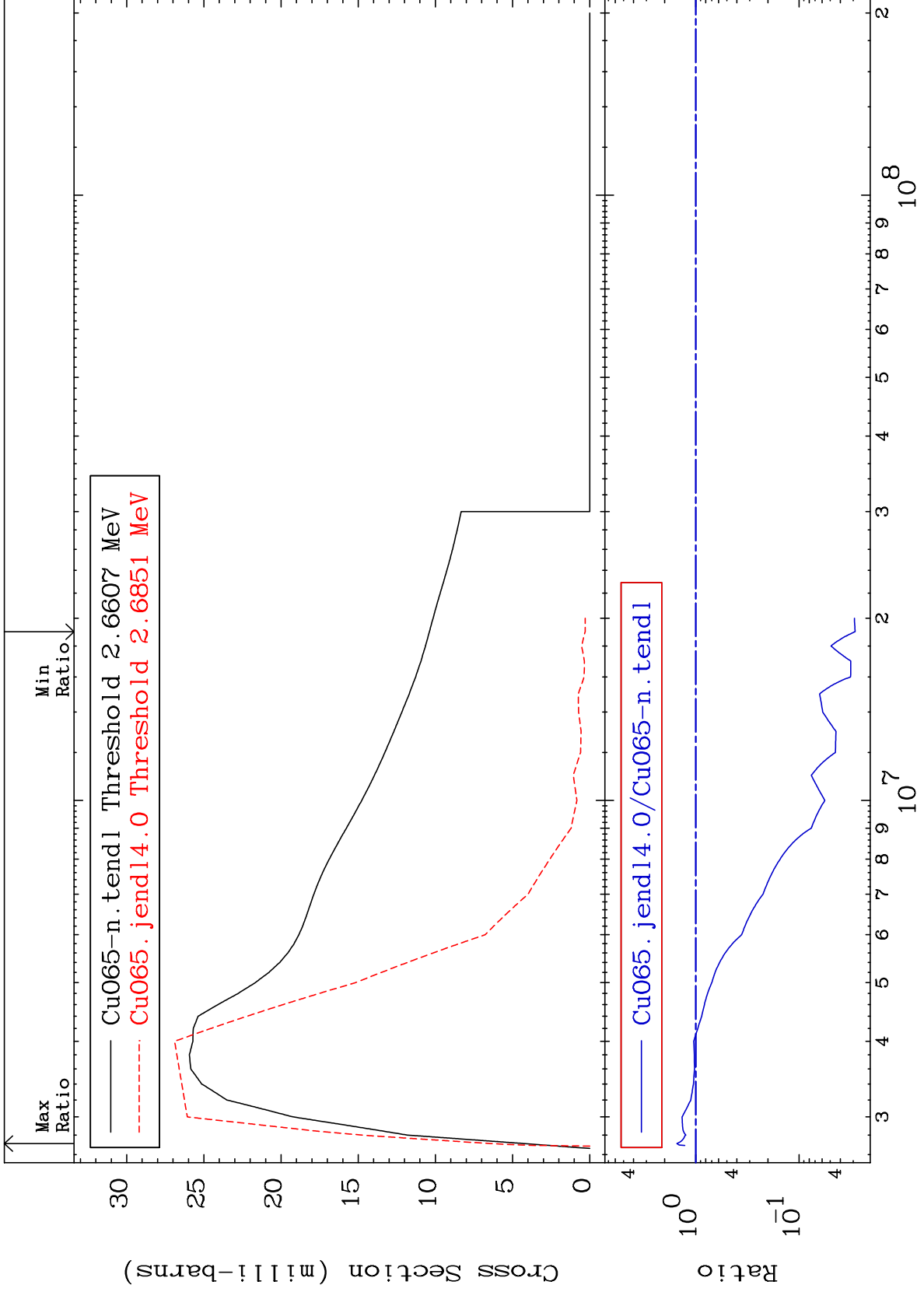
29-Cu-65  
-51.09 To 9999. %



MAT 2931

2.620 MeV (n,n') Level  
Cross Section

29-Cu-65  
-97.13 To 52.04 %



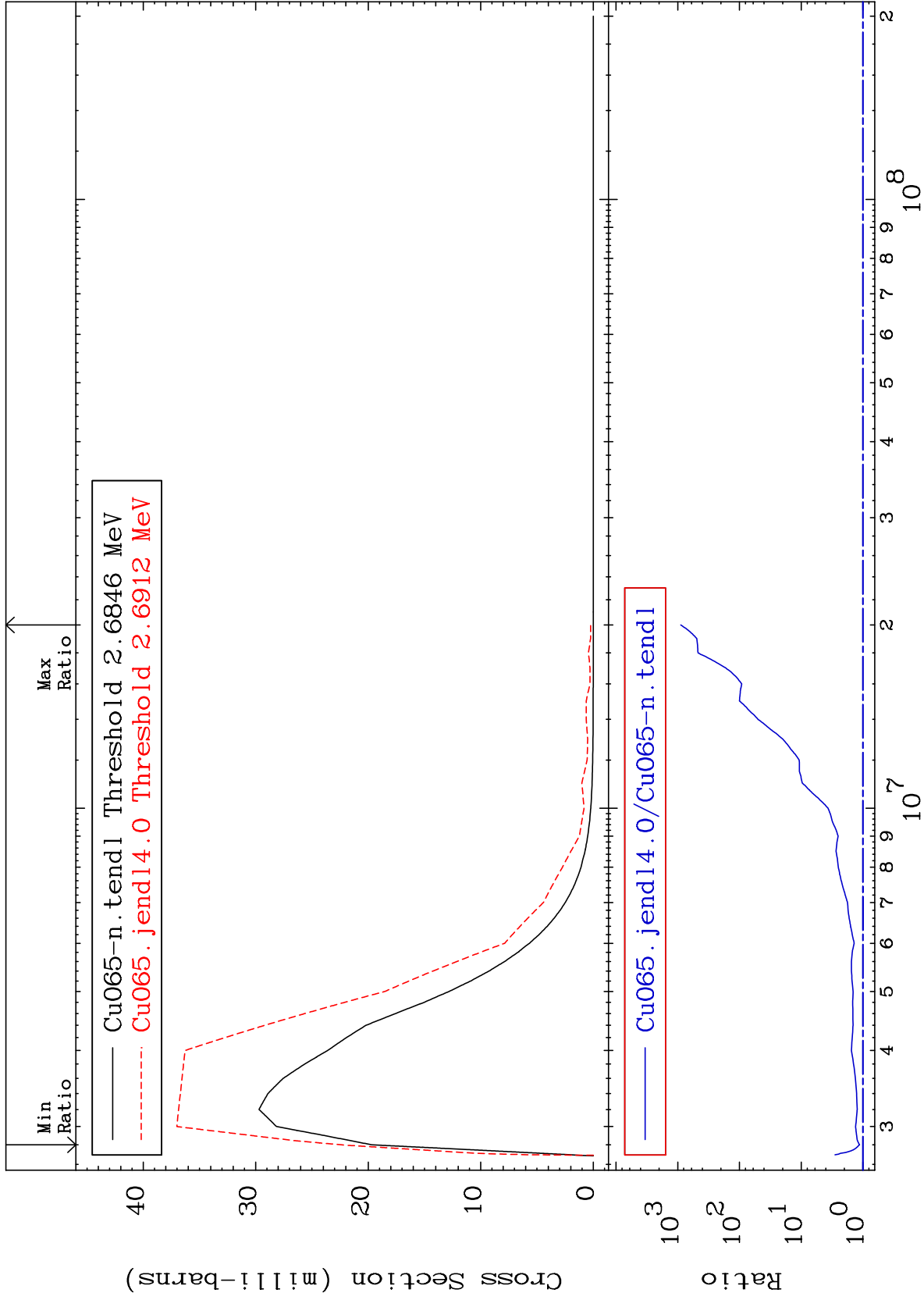
MAT 2931

2.644 MeV (n,n') Level

29-Cu-65

13.62 To 9999. %

Cross Section



24

Incident Energy (eV)

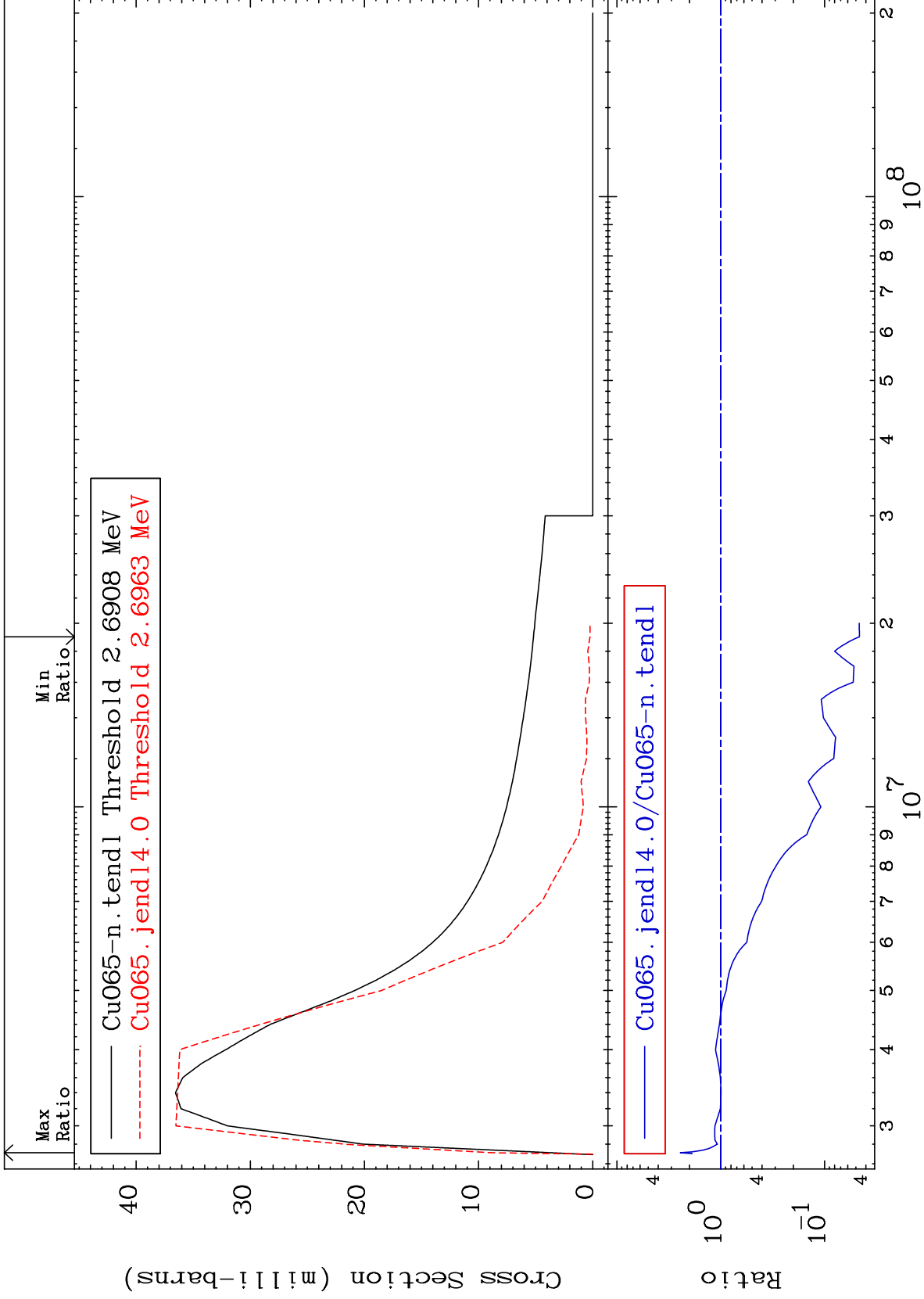
29-Cu-65



MAT 2931

2.650 MeV (n,n') Level  
Cross Section

29-Cu-65  
-95.38 To 145.3 %



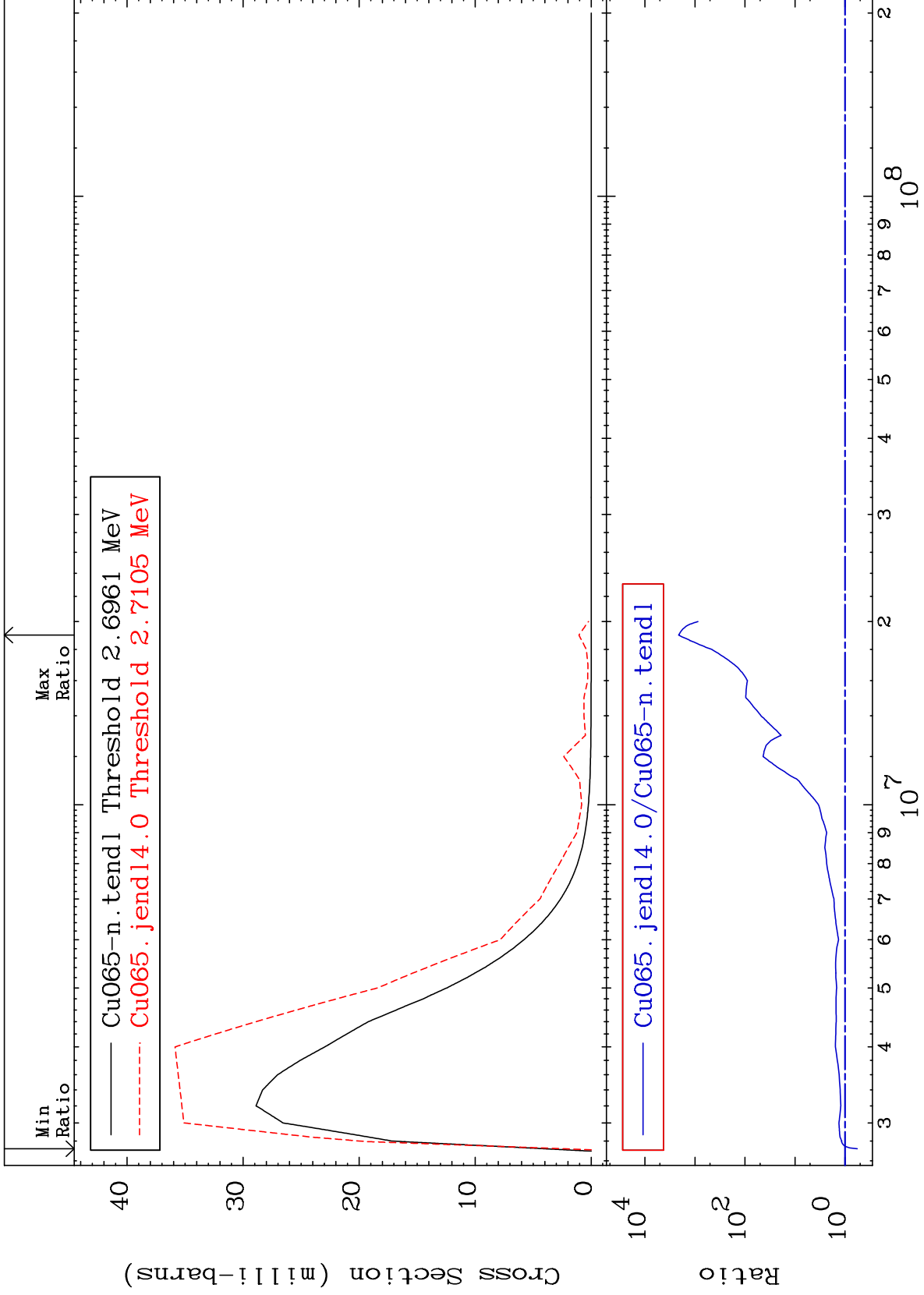
25

29-Cu-65

MAT 2931

2.655 MeV (n,n') Level  
Cross Section

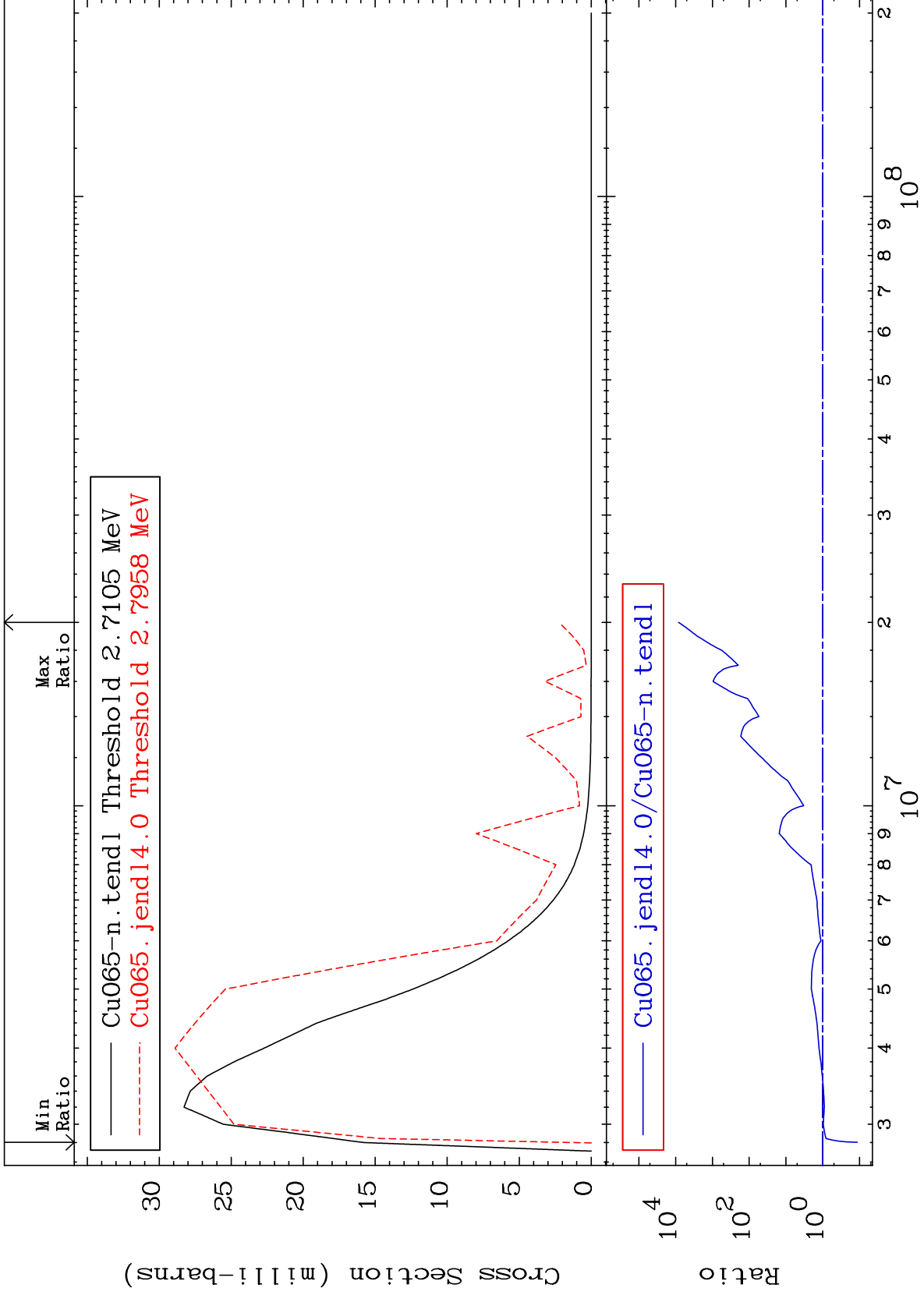
29-Cu-65  
-42.90 To 9999. %



MAT 2931

2.669 MeV (n,n') Level  
Cross Section

29-Cu-65  
-88.41 To 9999. %



27

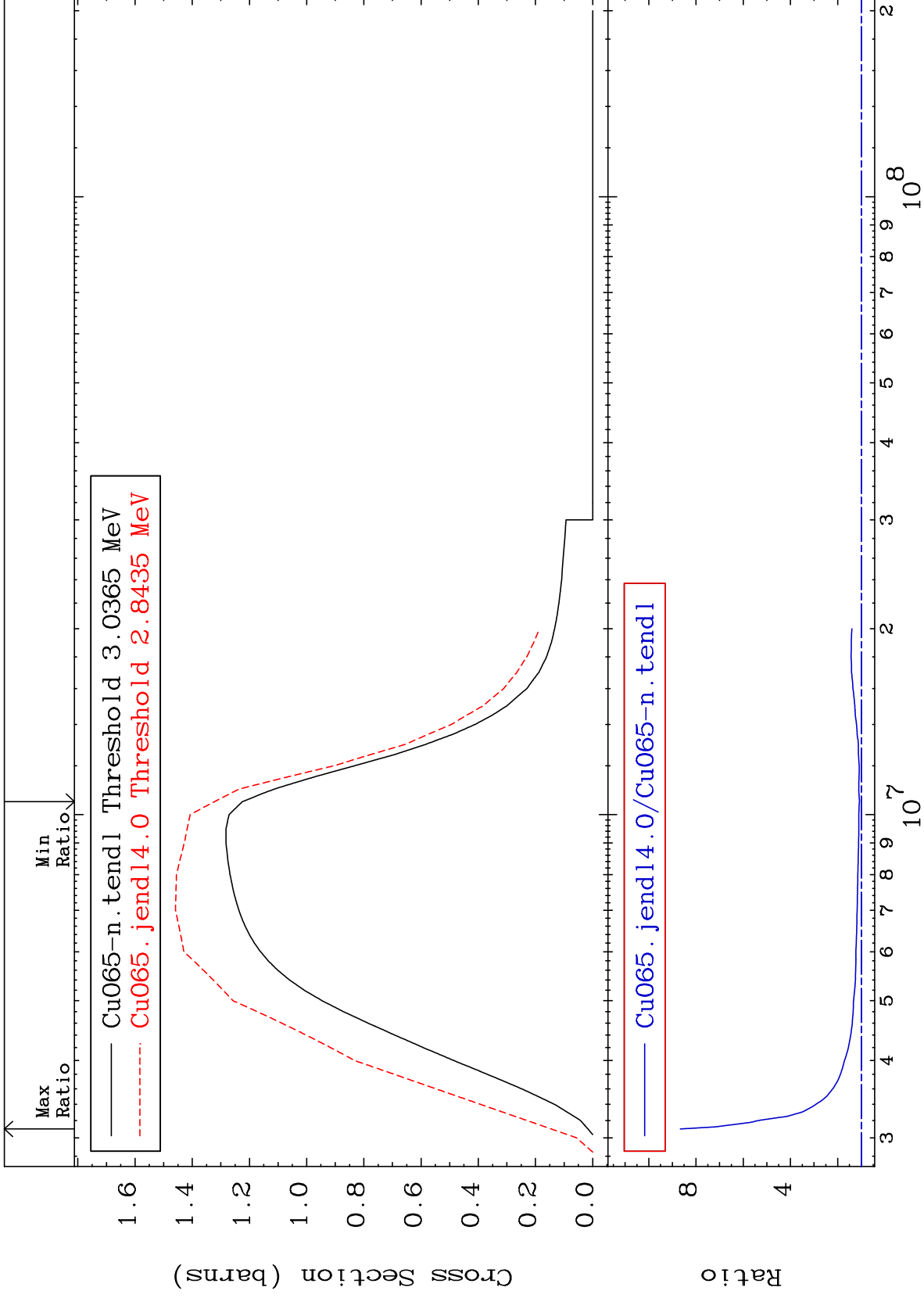
Incident Energy (eV)

29-Cu-65

MAT 2931

(n, n') Continuum  
Cross Section

29-Cu-65  
7.945 To 766.1 %



28

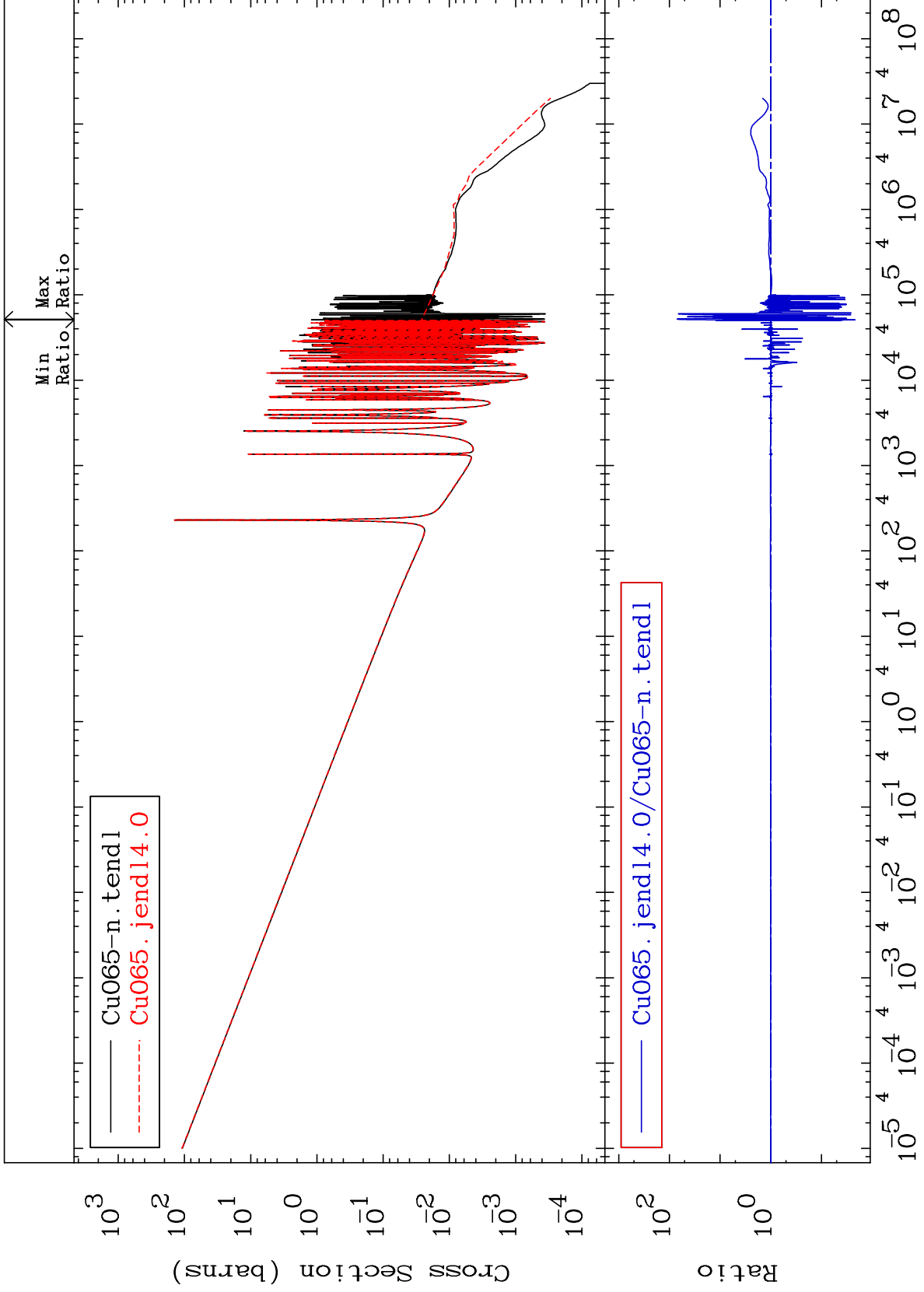
Incident Energy (eV)

29-Cu-65

MAT 2931

(n,  $\gamma$ )  
Cross Section

29-Cu-65  
-97.83 To 7001. %



29

Incident Energy (eV)

29-Cu-65

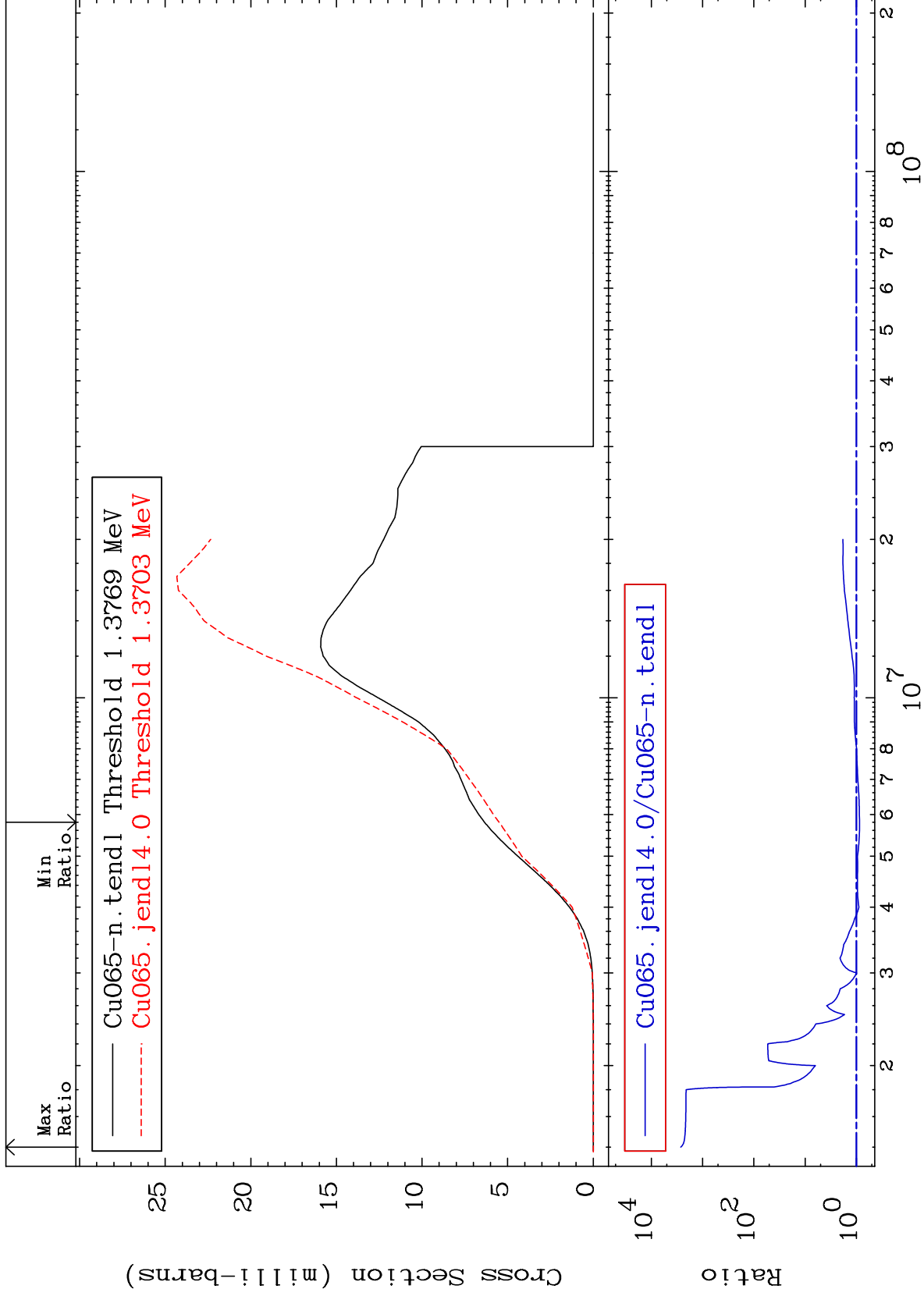
MAT 2931

(n,p)

29-Cu-65

Cross Section

-13.35 To 9999. %



30

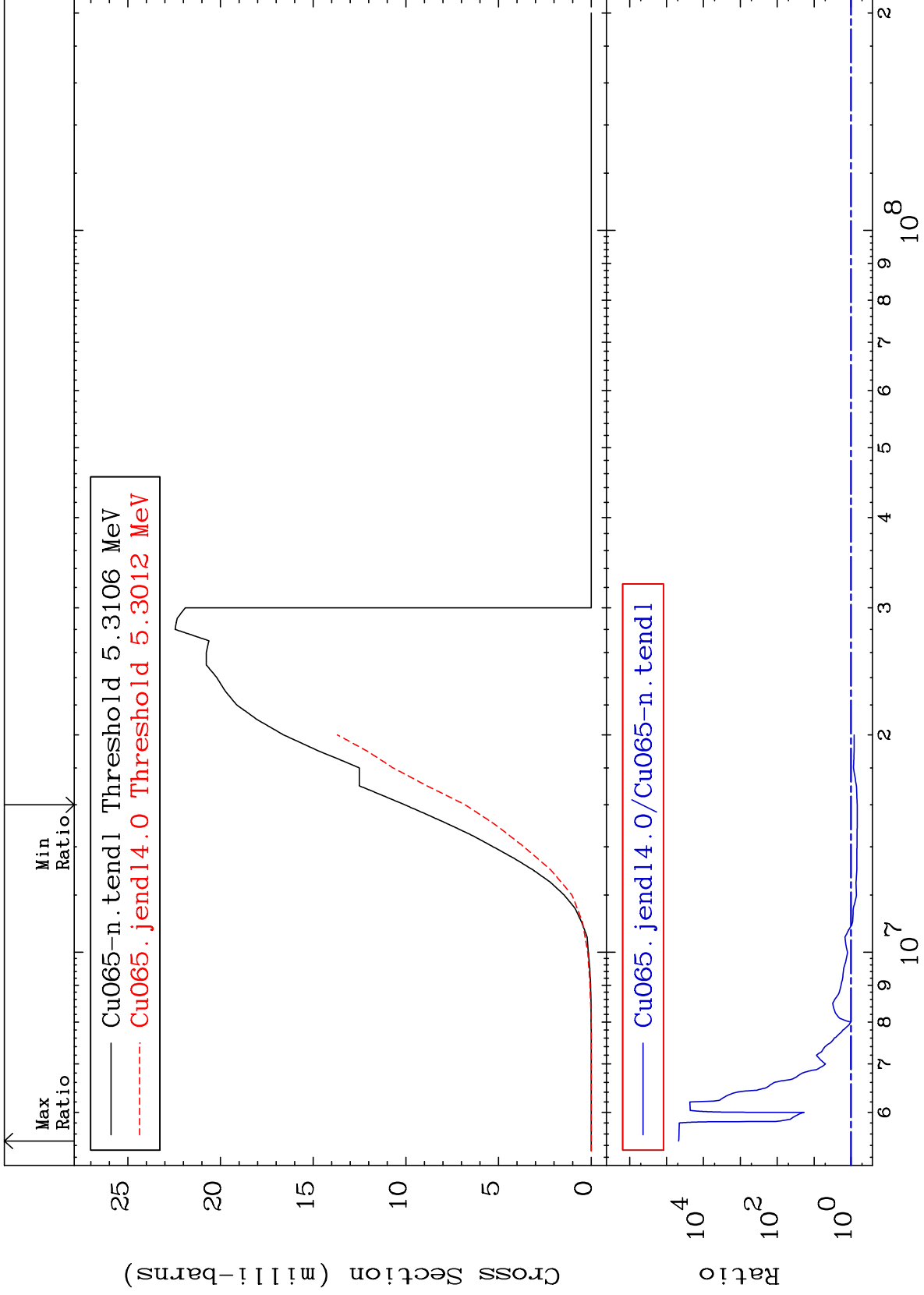
Incident Energy (eV)

29-Cu-65

MAT 2931

(n, d)  
Cross Section

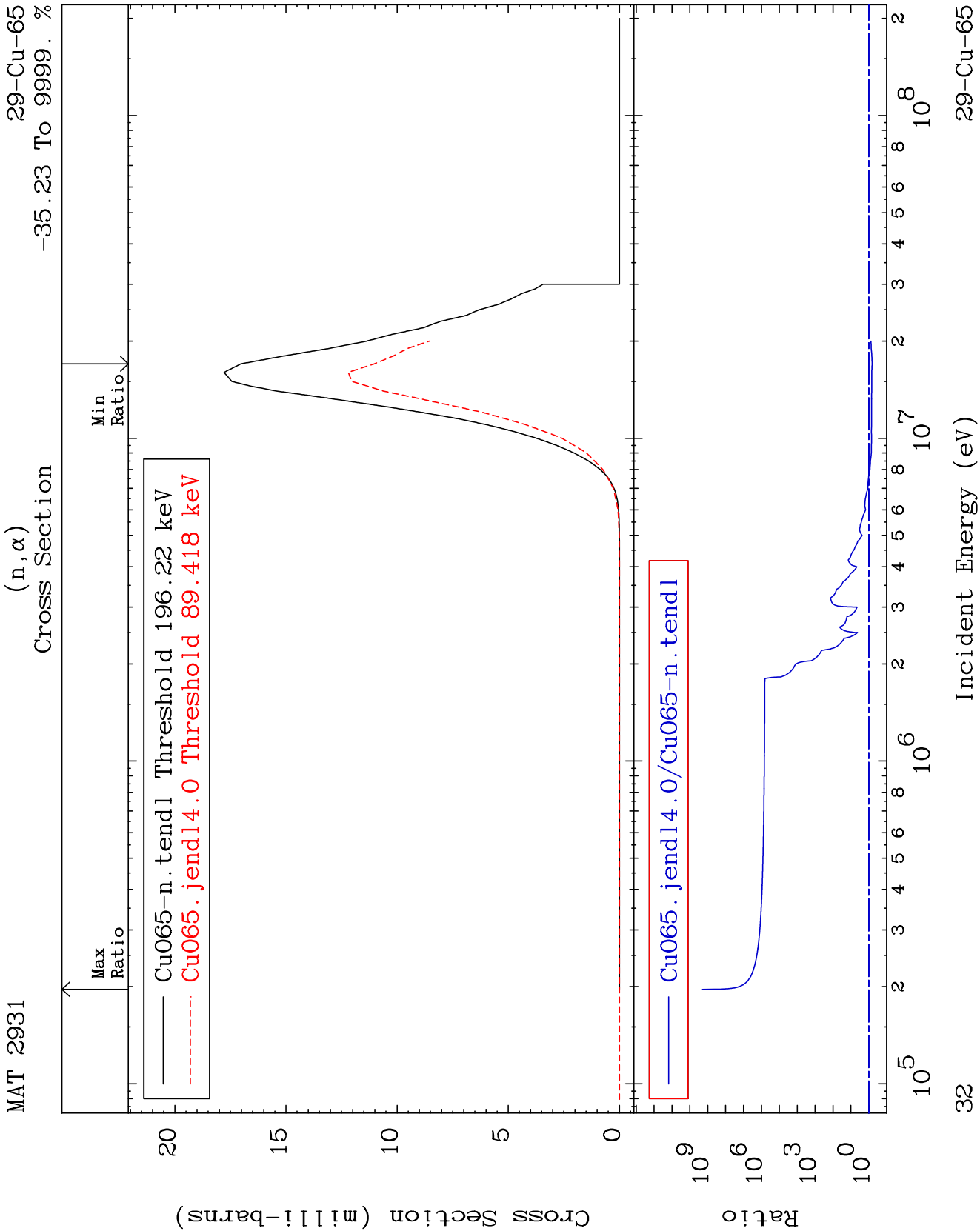
29-Cu-65  
-32.41 To 9999. %



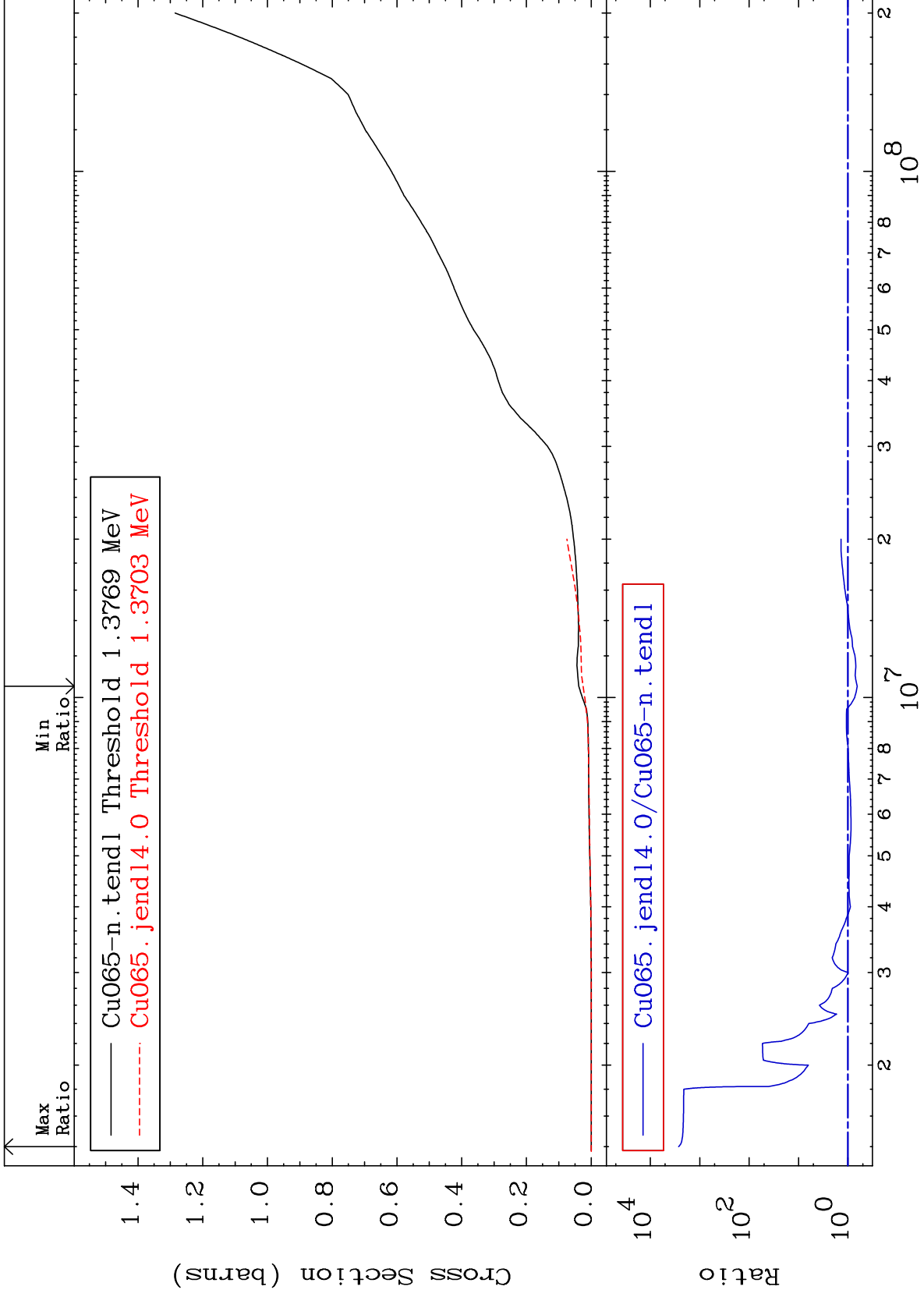
31

Incident Energy (eV)

29-Cu-65



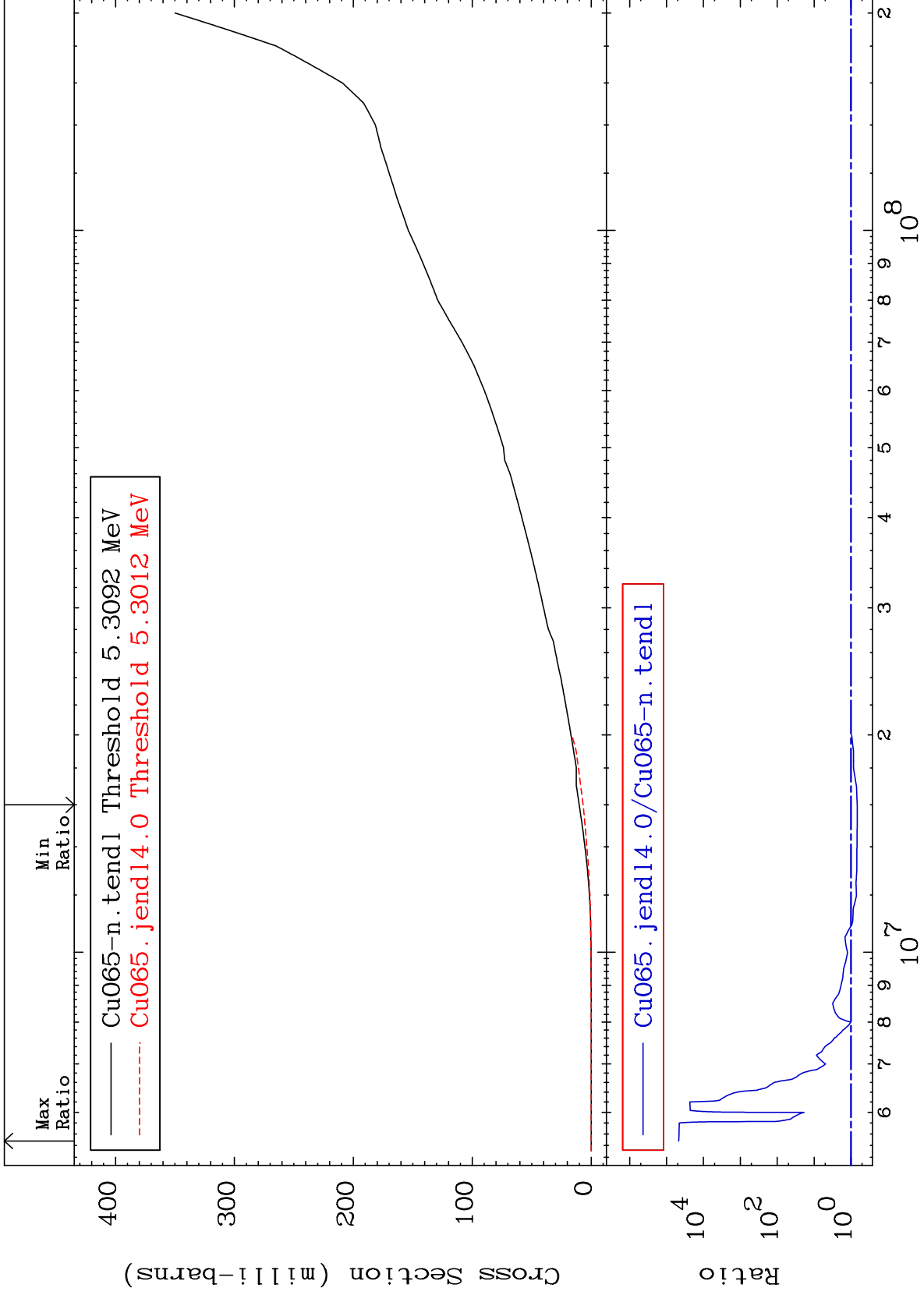




MAT 2931

Deuterium Production  
Cross Section

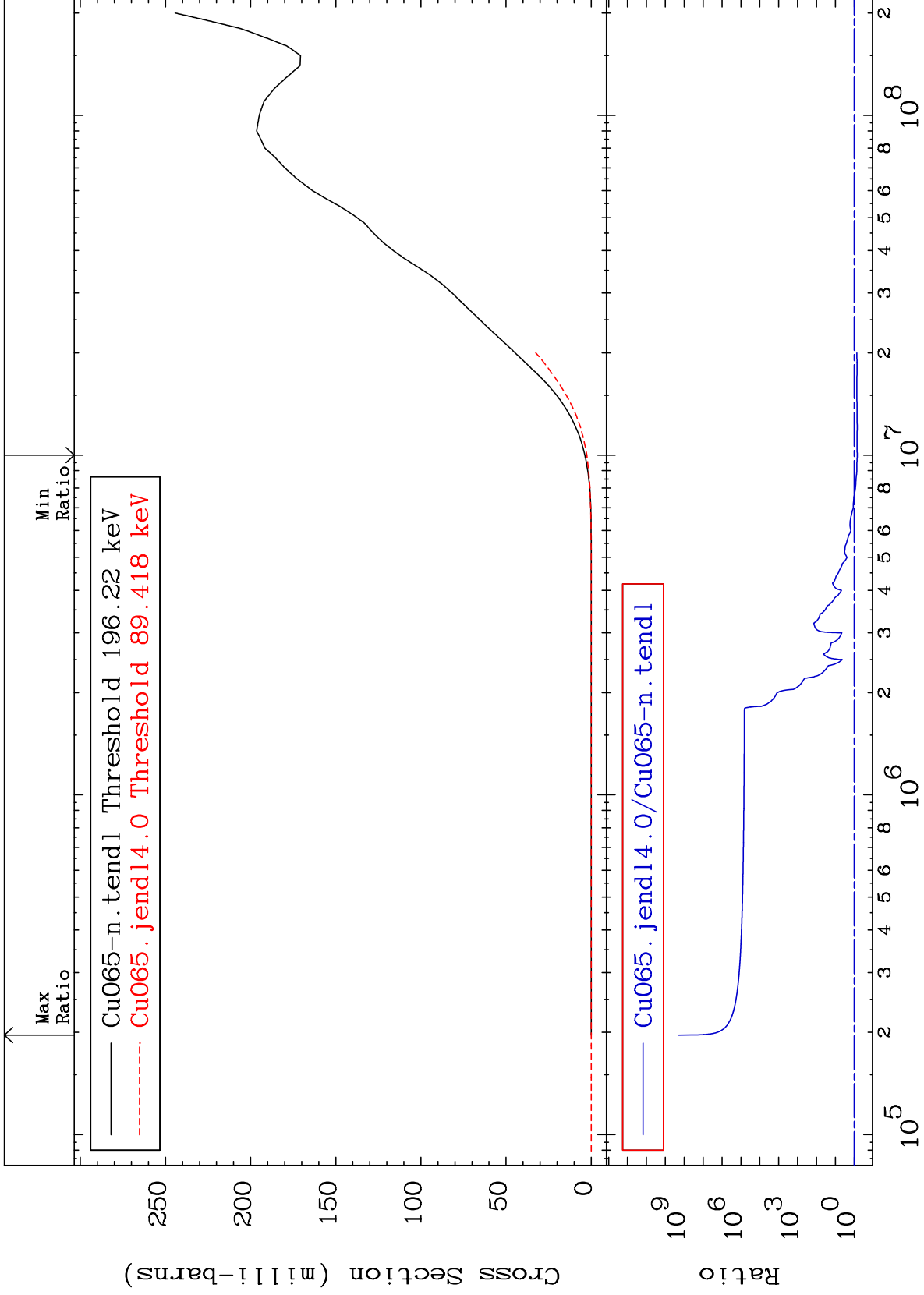
<sup>29</sup>-Cu-65  
-32.41 To 9999. %



MAT 2931

He-4 Production  
Cross Section

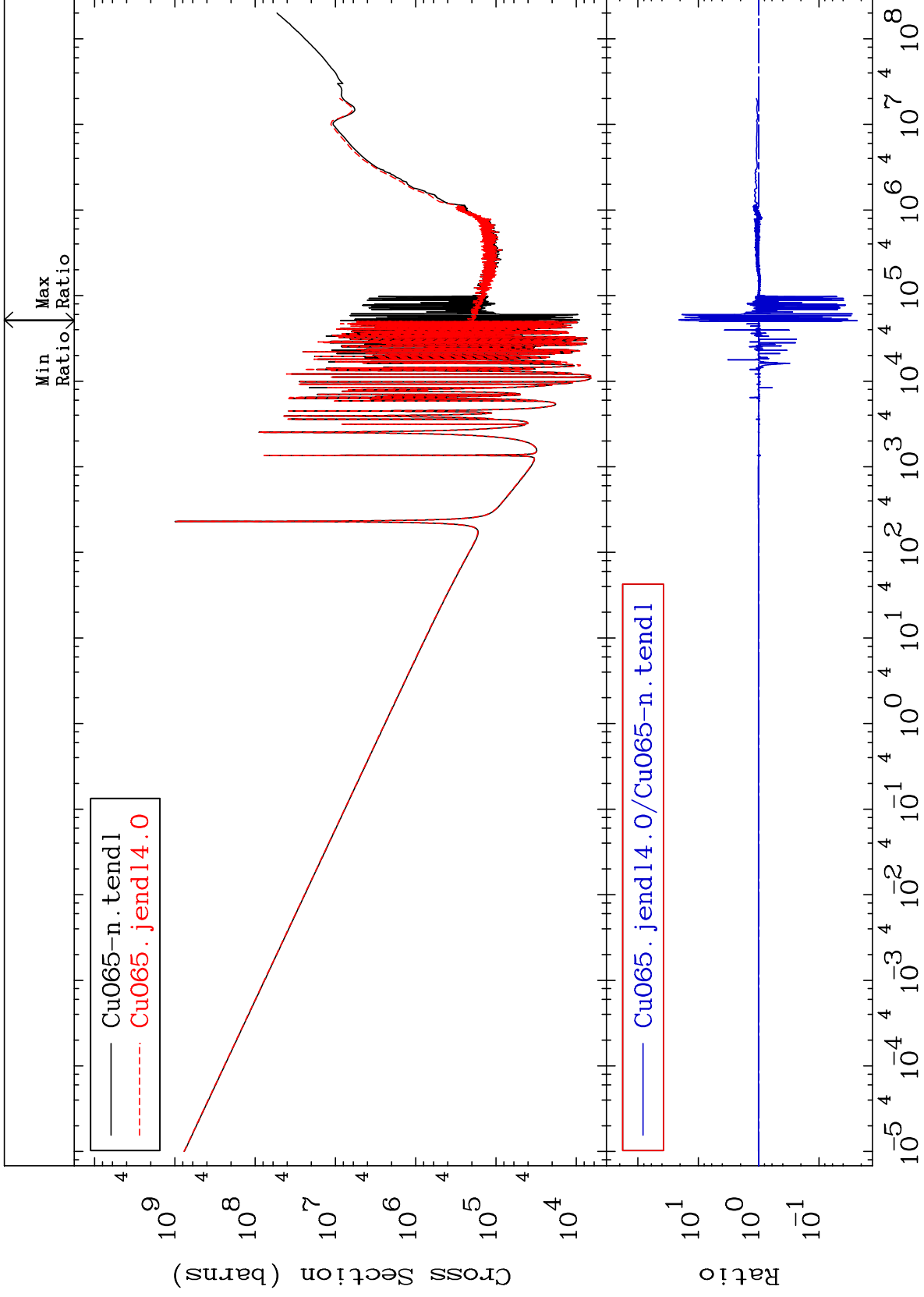
<sup>29</sup>Cu-65  
-30.71 To 9999. %



35

Incident Energy (eV)

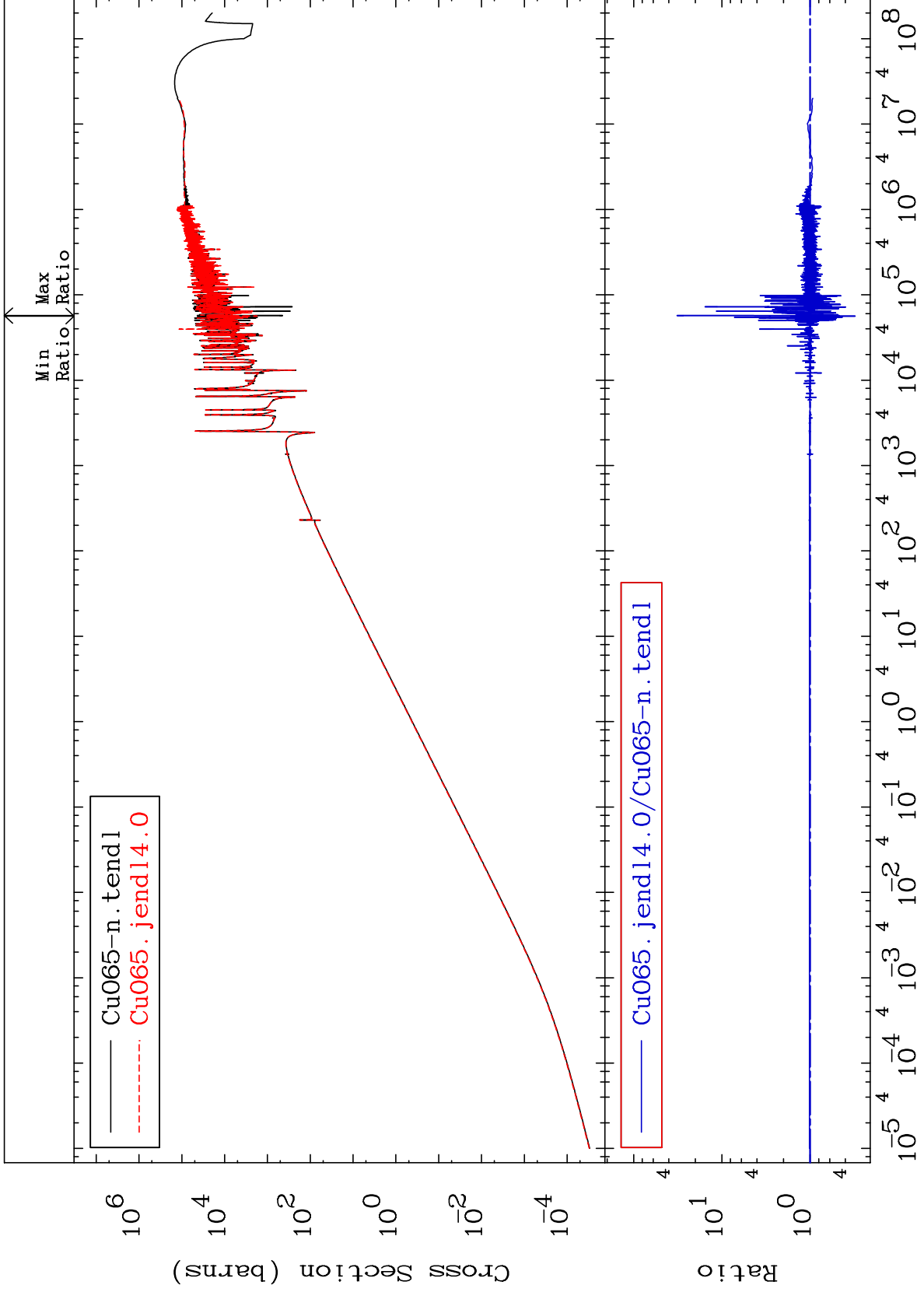
<sup>29</sup>Cu-65

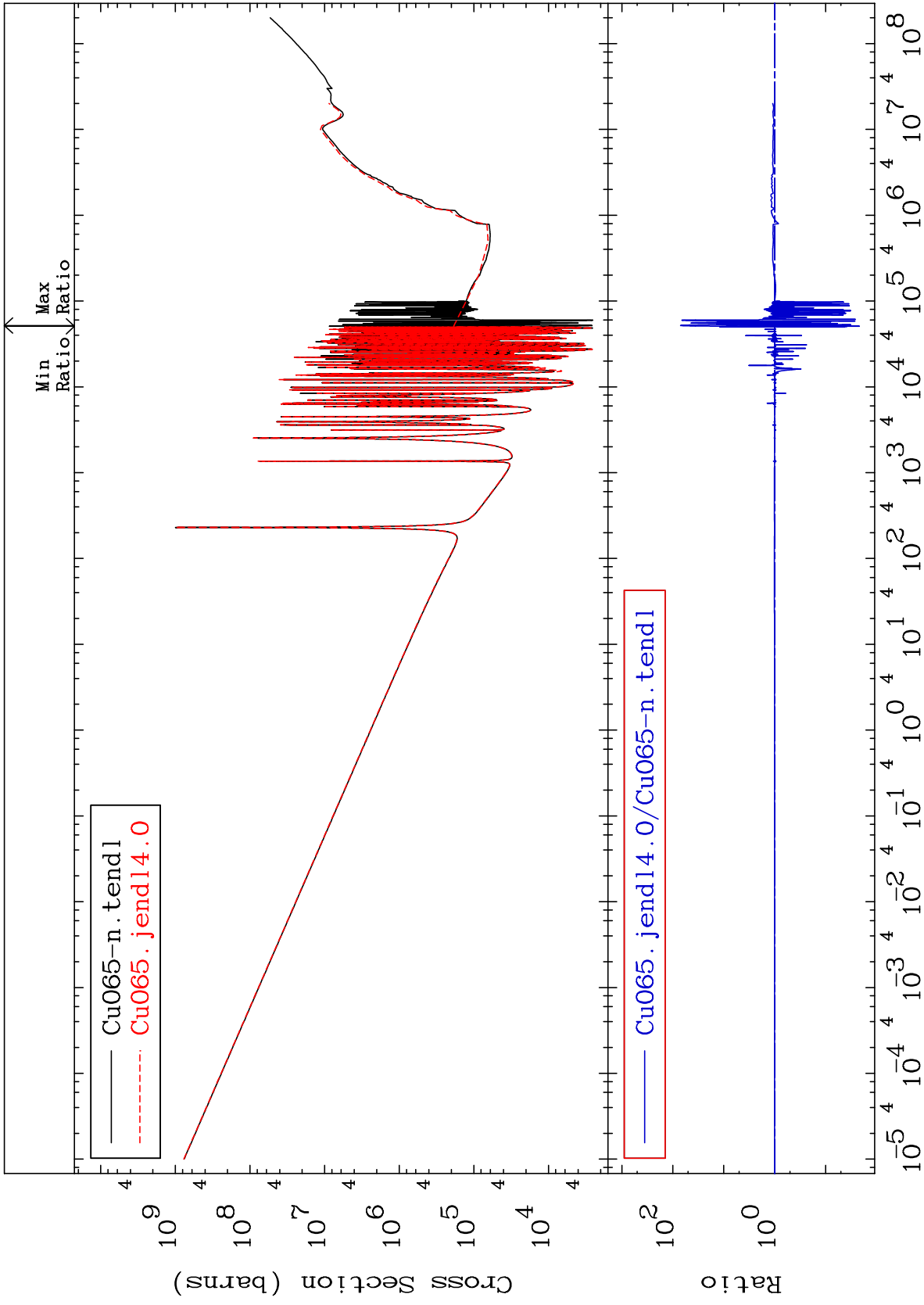


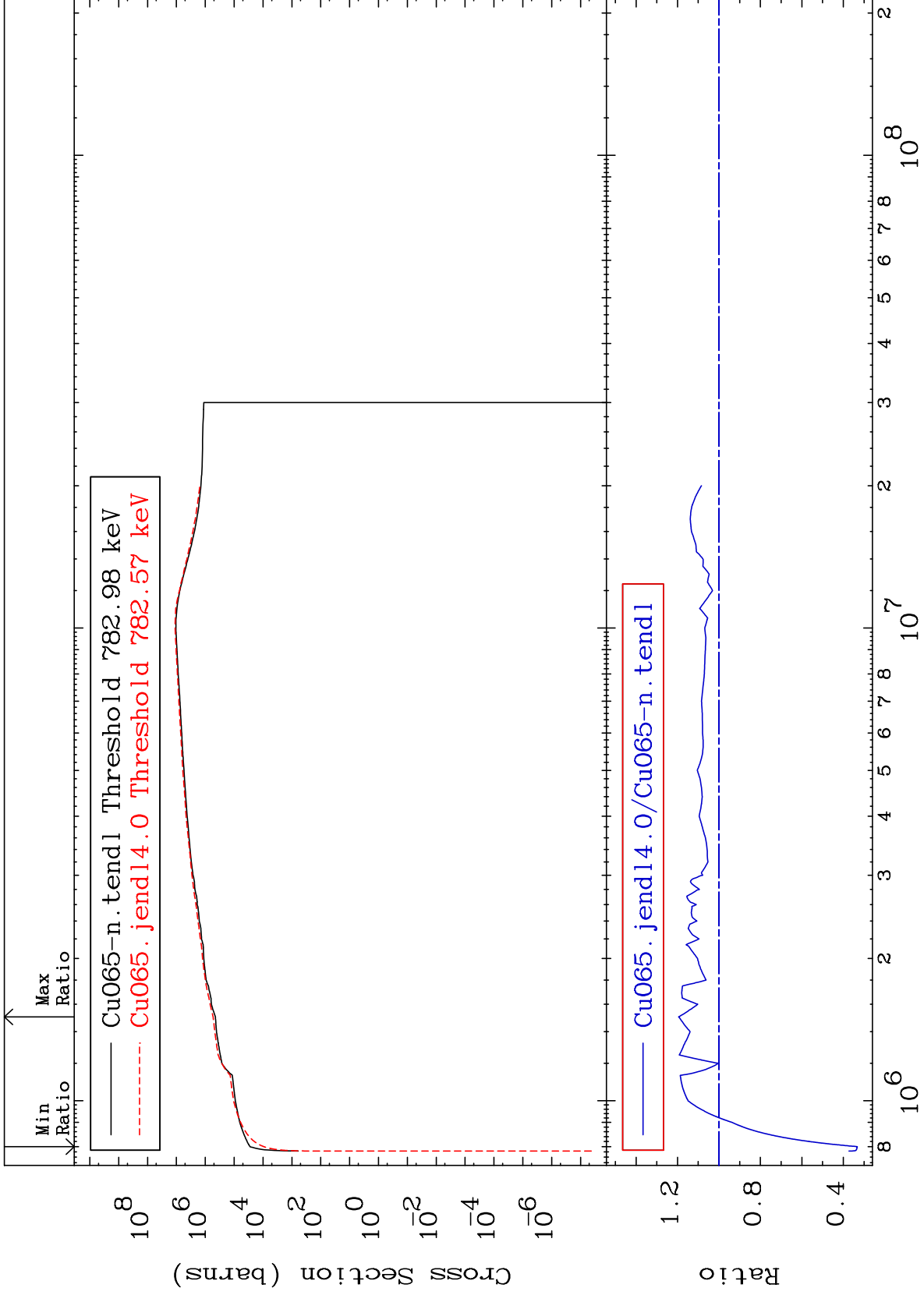
MAT 2931

Kerma elastic  
Cross Section

29-Cu-65  
-69.04 To 3134. %



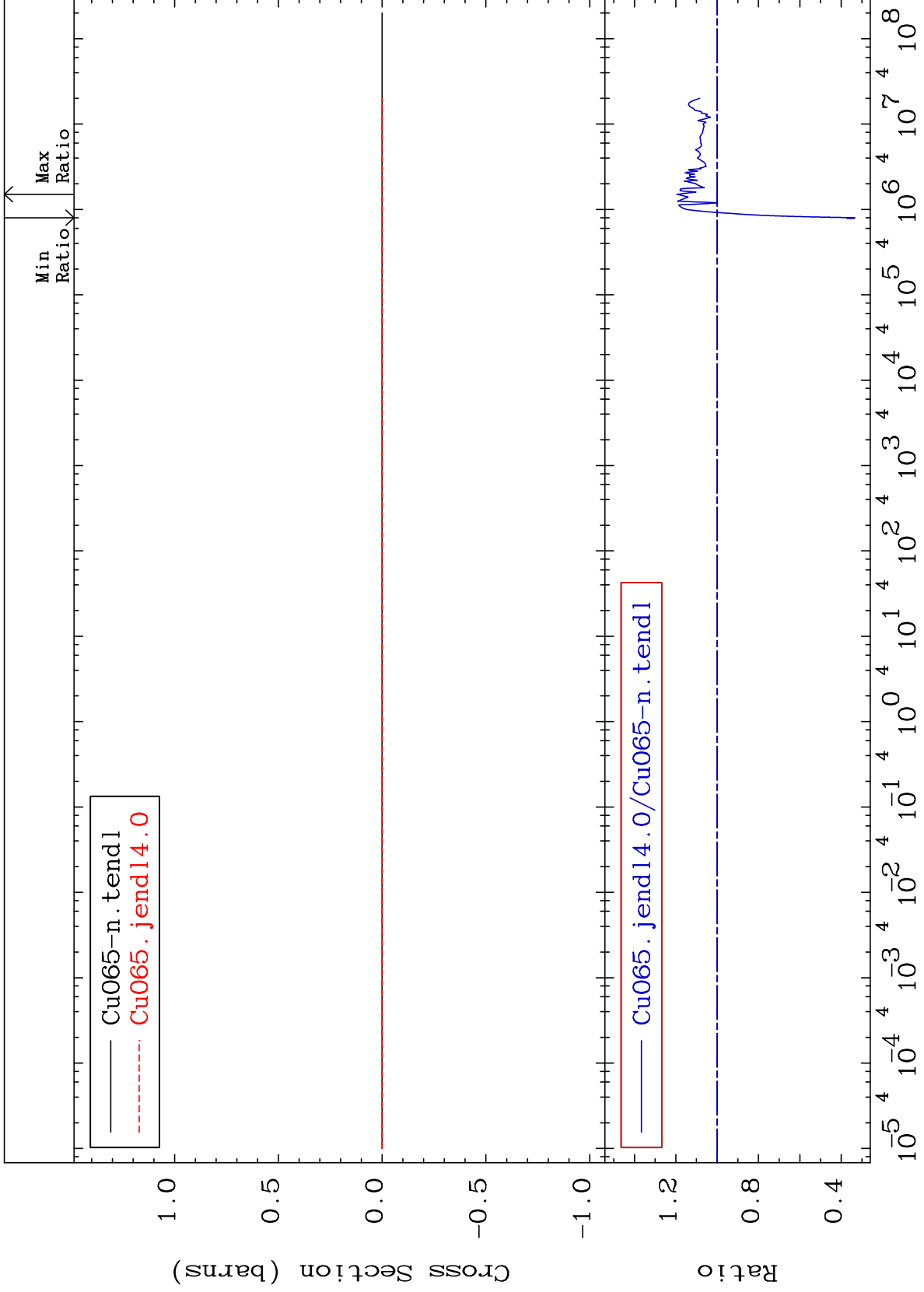




MAT 2931

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

29-Cu-65  
-66.73 To 19.46 %



40

Incident Energy (eV)

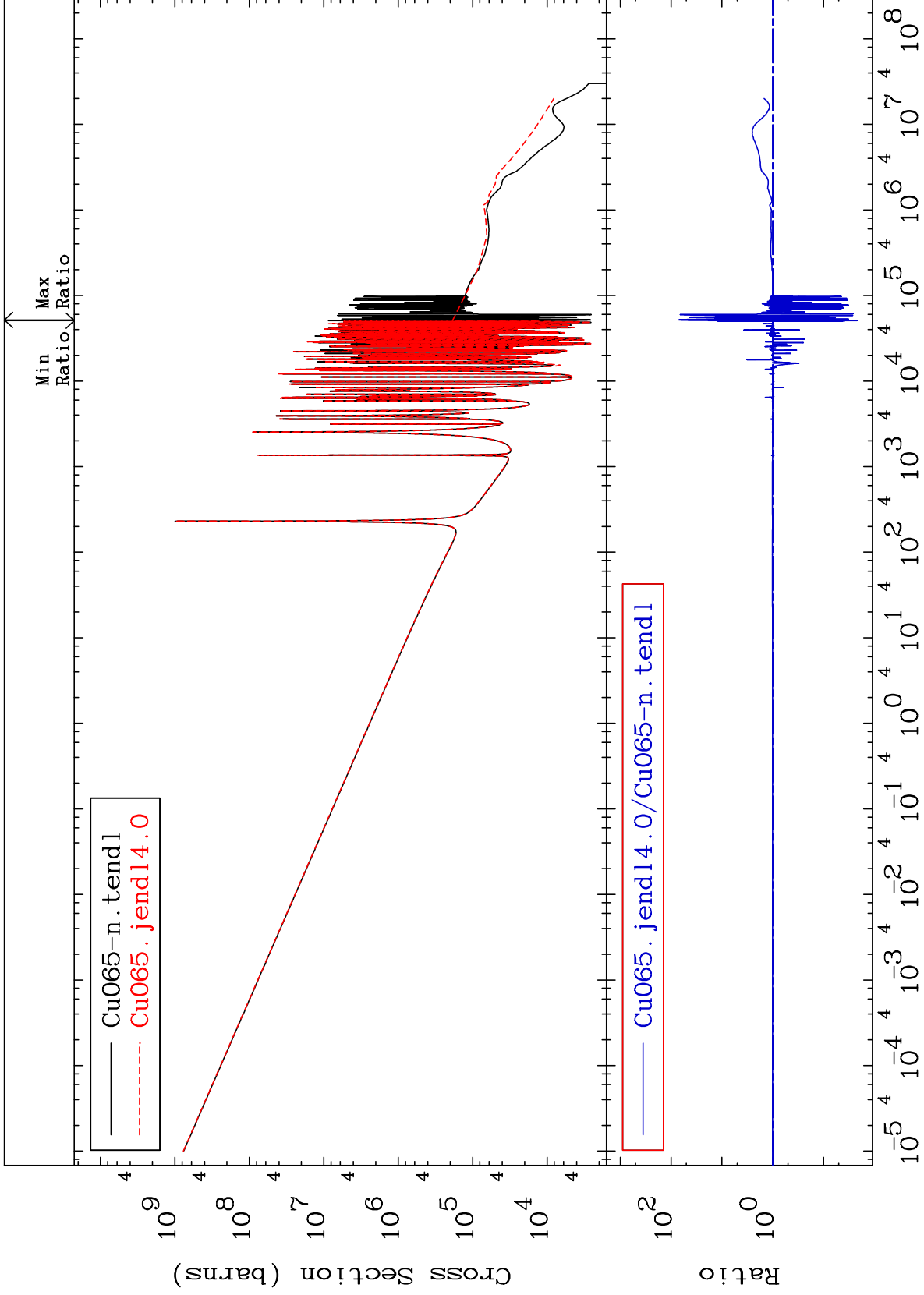
29-Cu-65



MAT 2931

Kerma capture (mt102)  
Cross Section

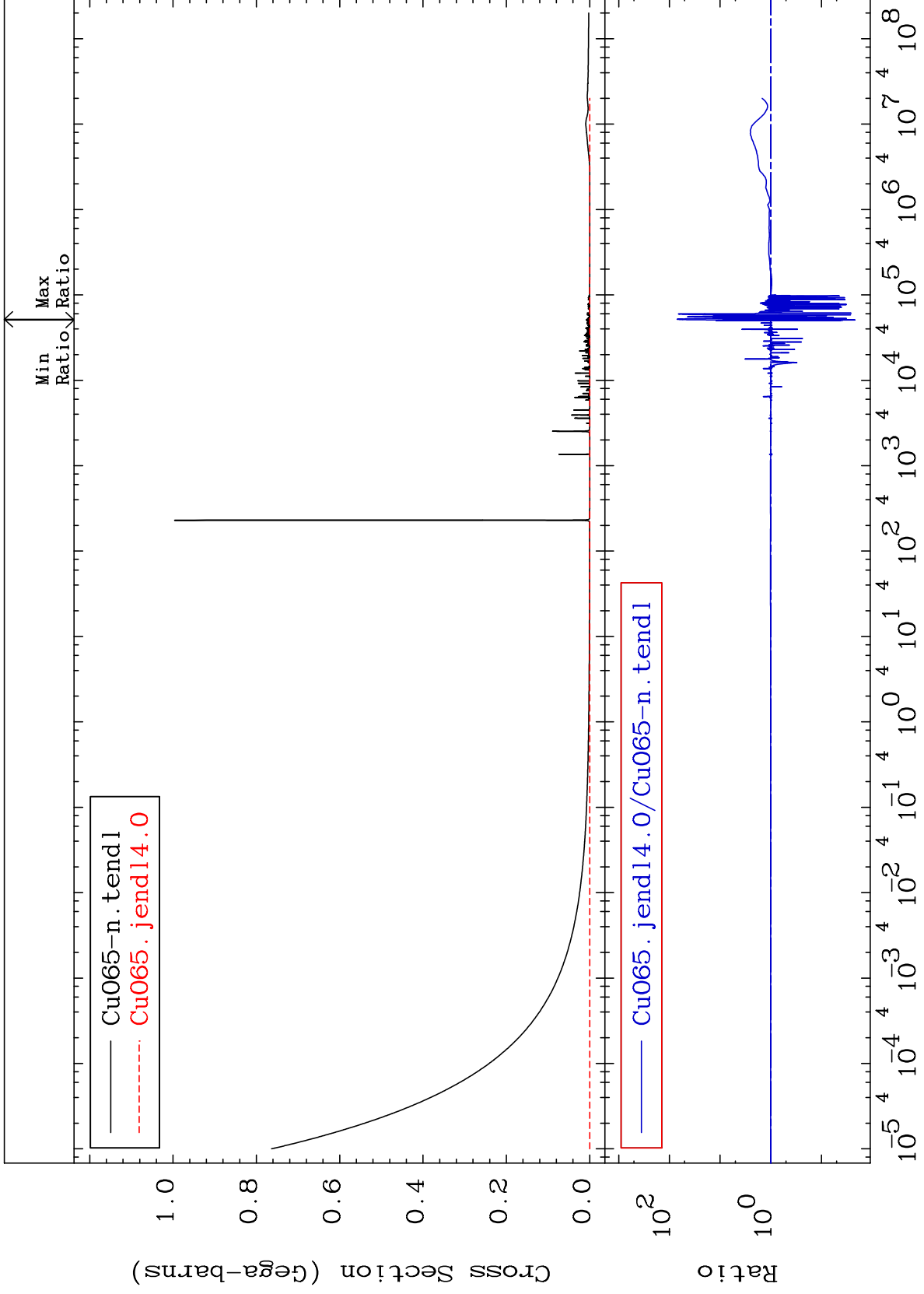
29-Cu-65  
-97.83 To 7001. %



MAT 2931

Total photon (eV-barns)  
Cross Section

29-Cu-65  
-97.83 To 7001. %

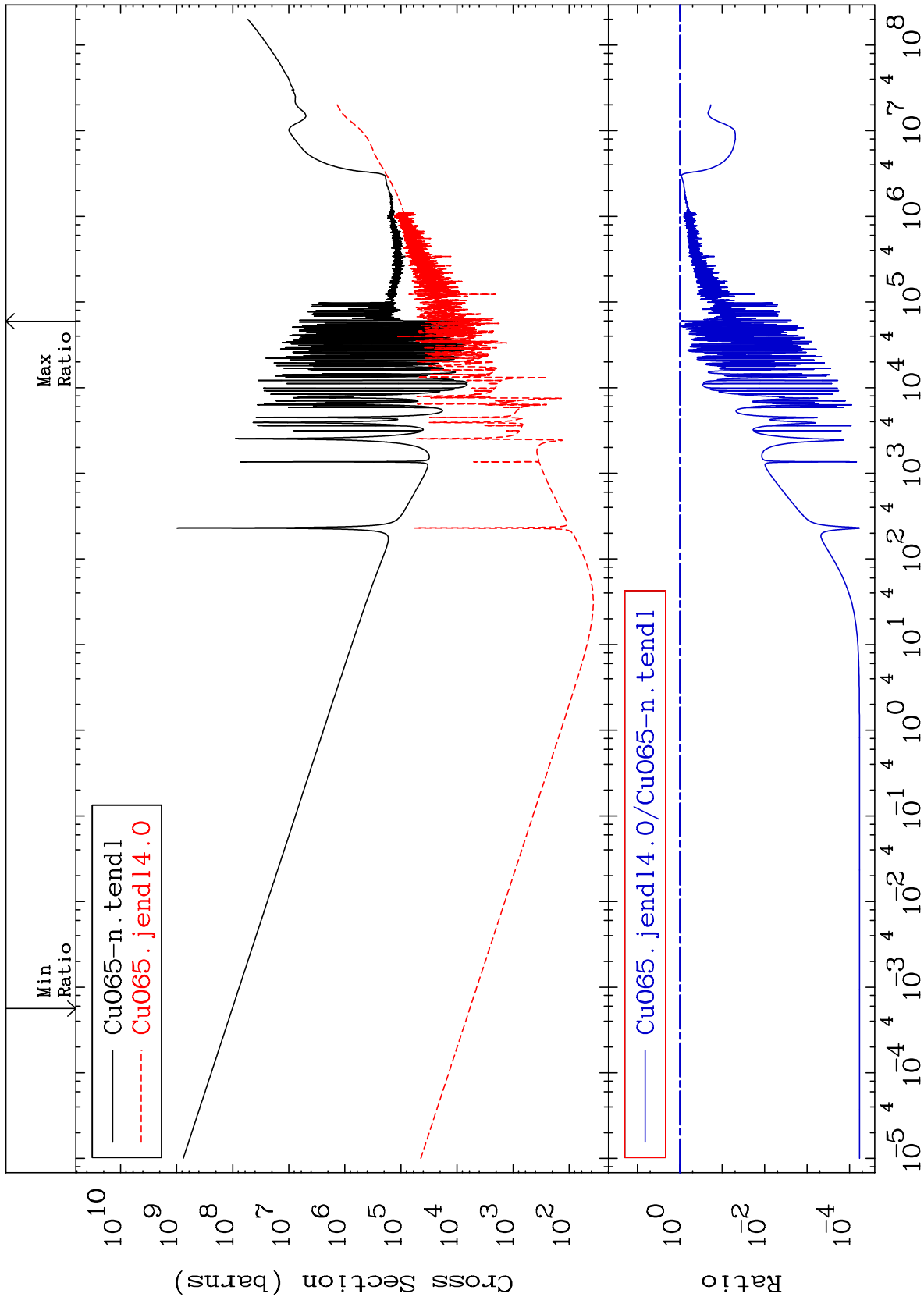


42

Incident Energy (eV)

29-Cu-65

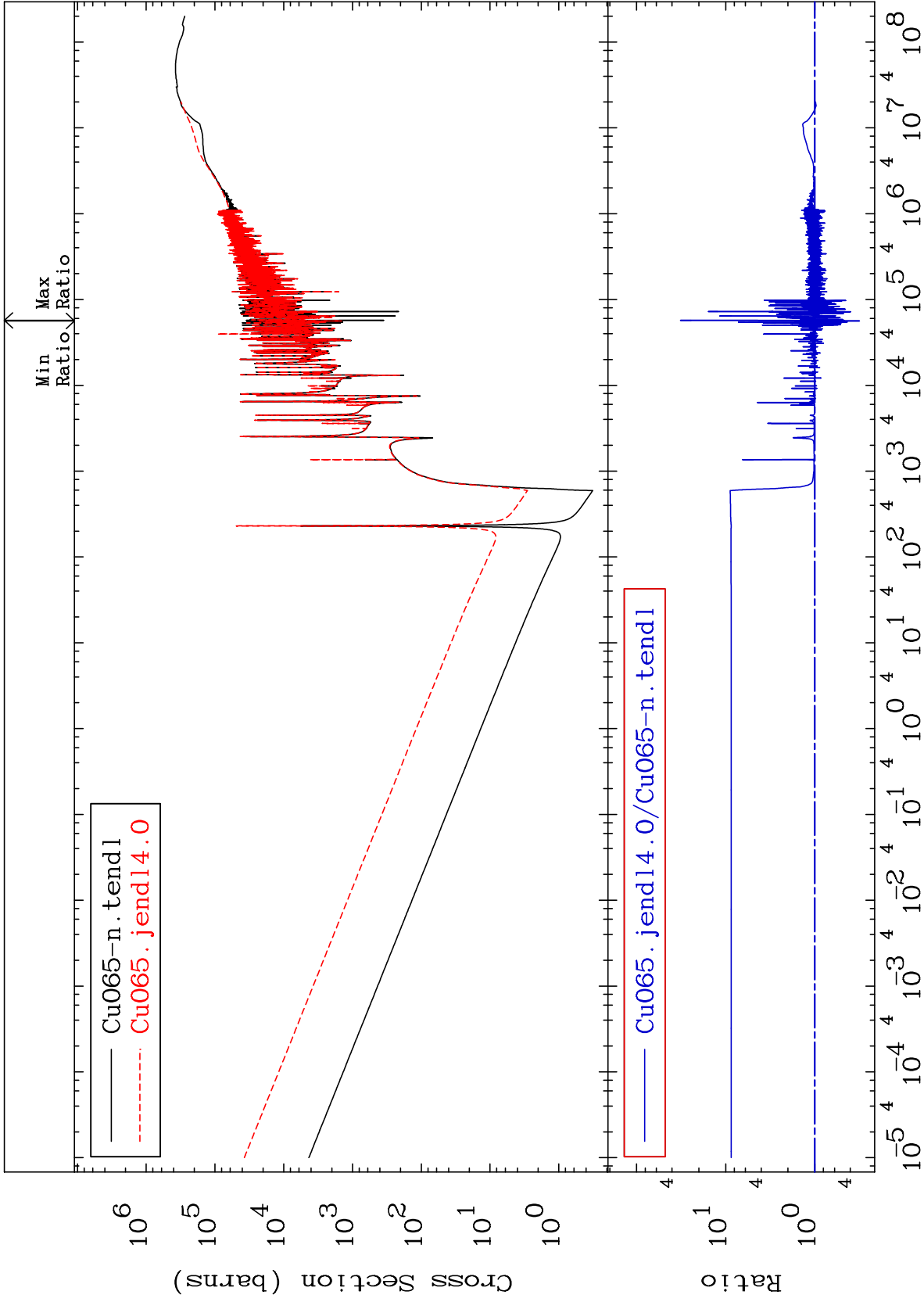
MAT 2931 Total kinematic kerma (high limit) 29-Cu-65  
 Cross Section -99.99 To -5.084%



MAT 2931

Dpa total (eV-barns)  
Cross Section

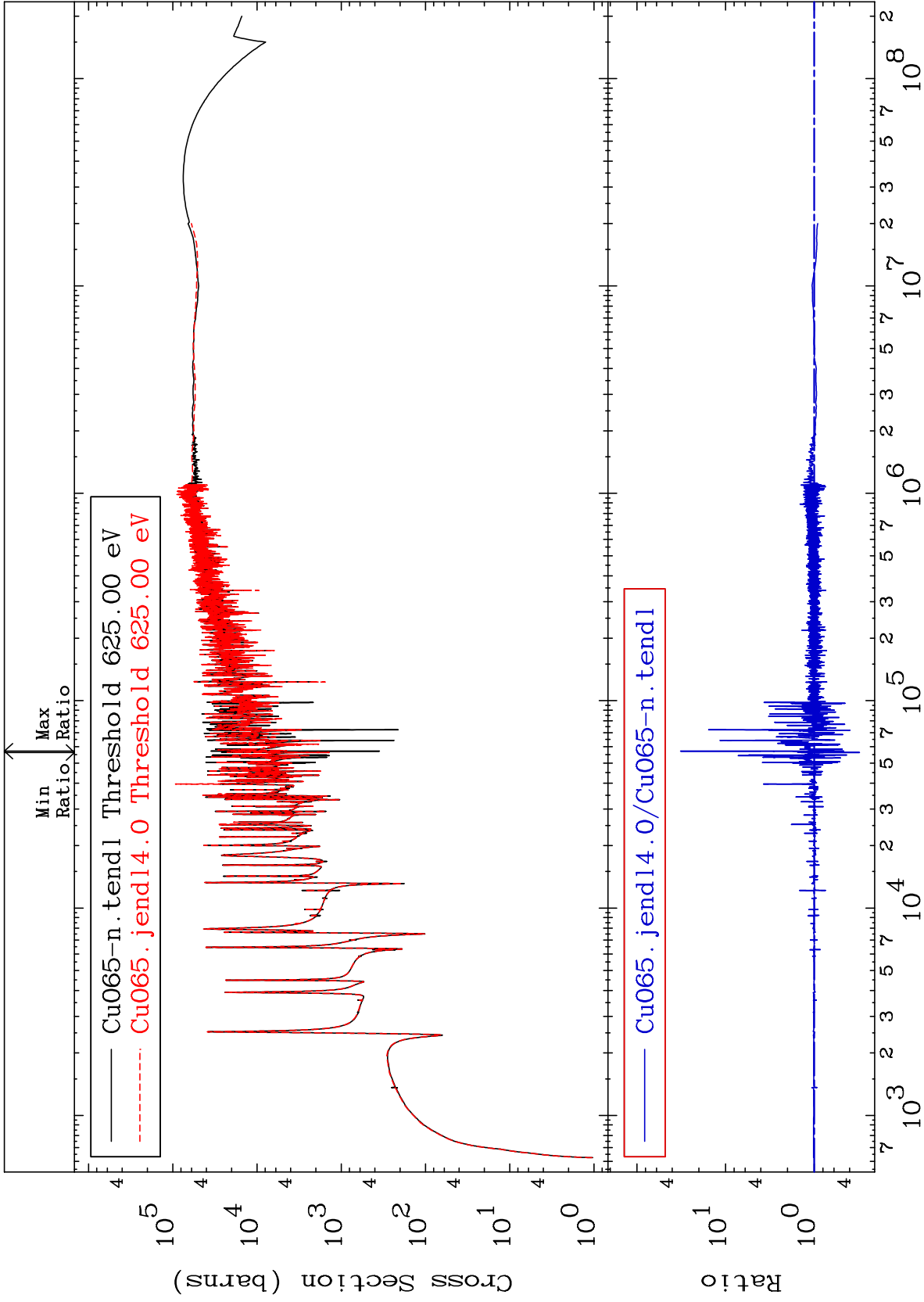
29-Cu-65  
-68.48 To 3127. %



MAT 2931

Dpa elastic (mt2)  
Cross Section

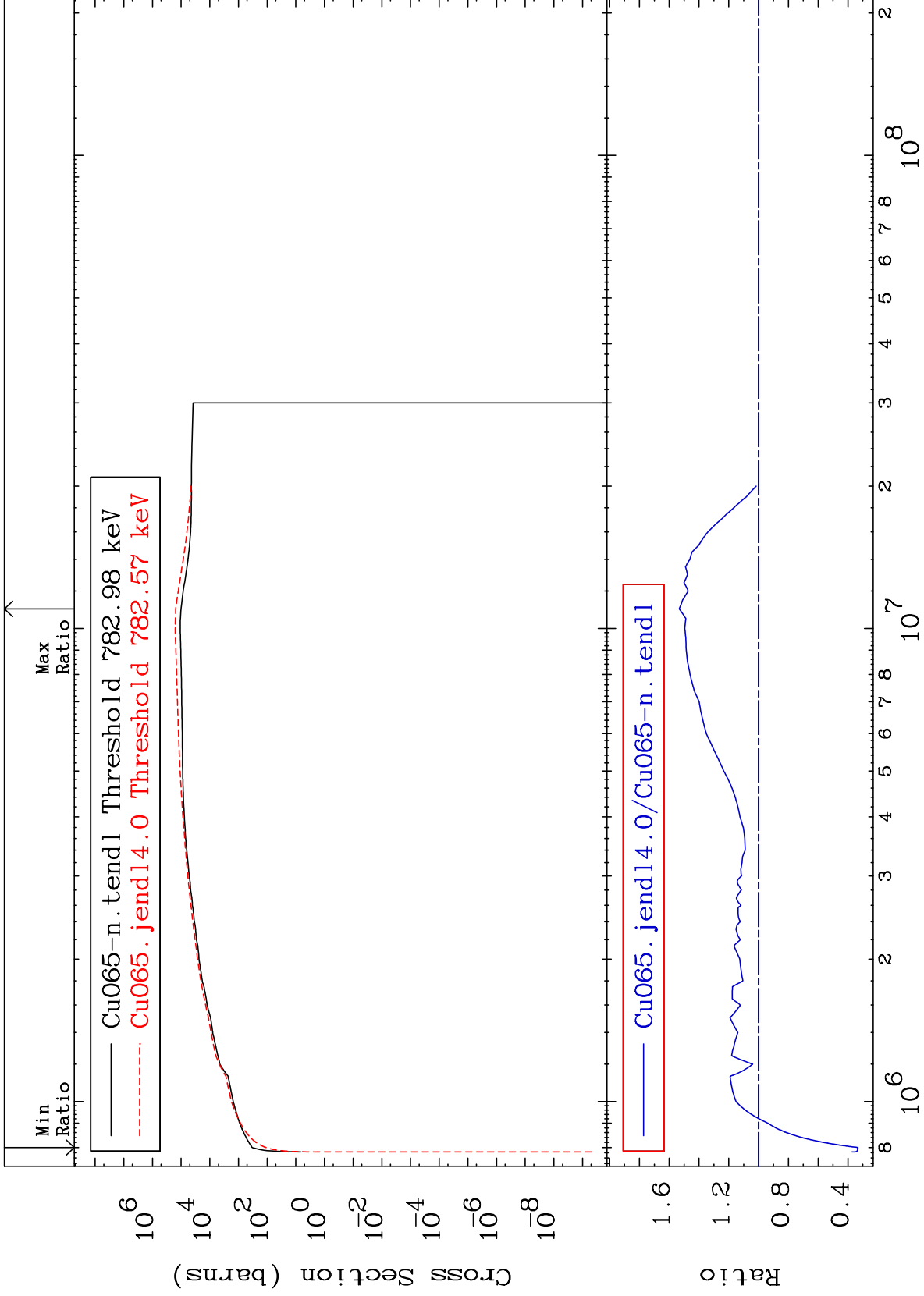
29-Cu-65  
-69.05 To 3133. %



45

Incident Energy (eV)

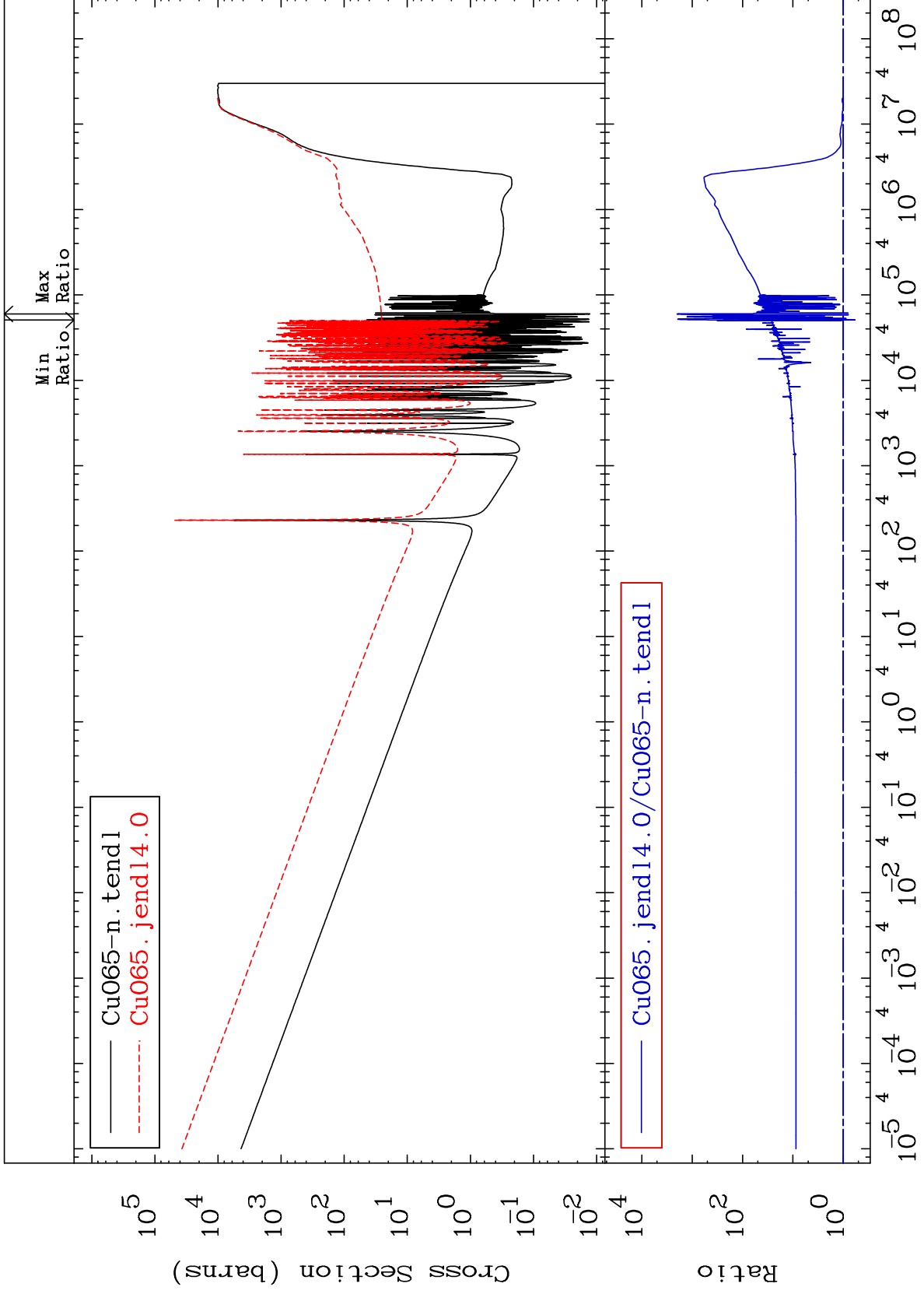
29-Cu-65



MAT 2931

Dpa disappearance (mt102 -120)  
Cross Section

29-Cu-65  
-41.61 To 9999. %



47

Incident Energy (eV)

29-Cu-65