

Program Complot  
(Version 2018-1)

by

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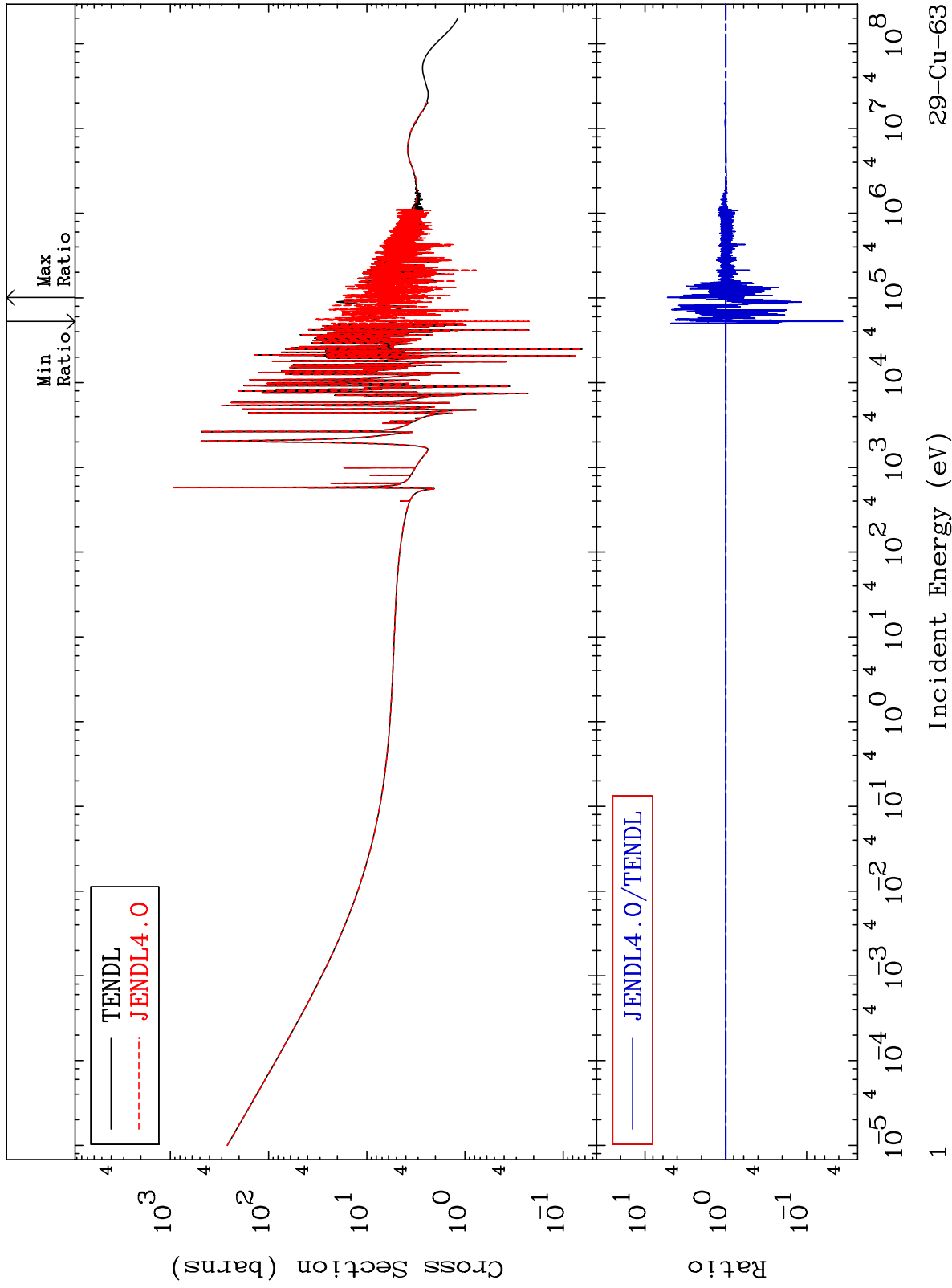
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2925

Total  
Cross Section

29-Cu-63  
-96.42 To 426.1 %

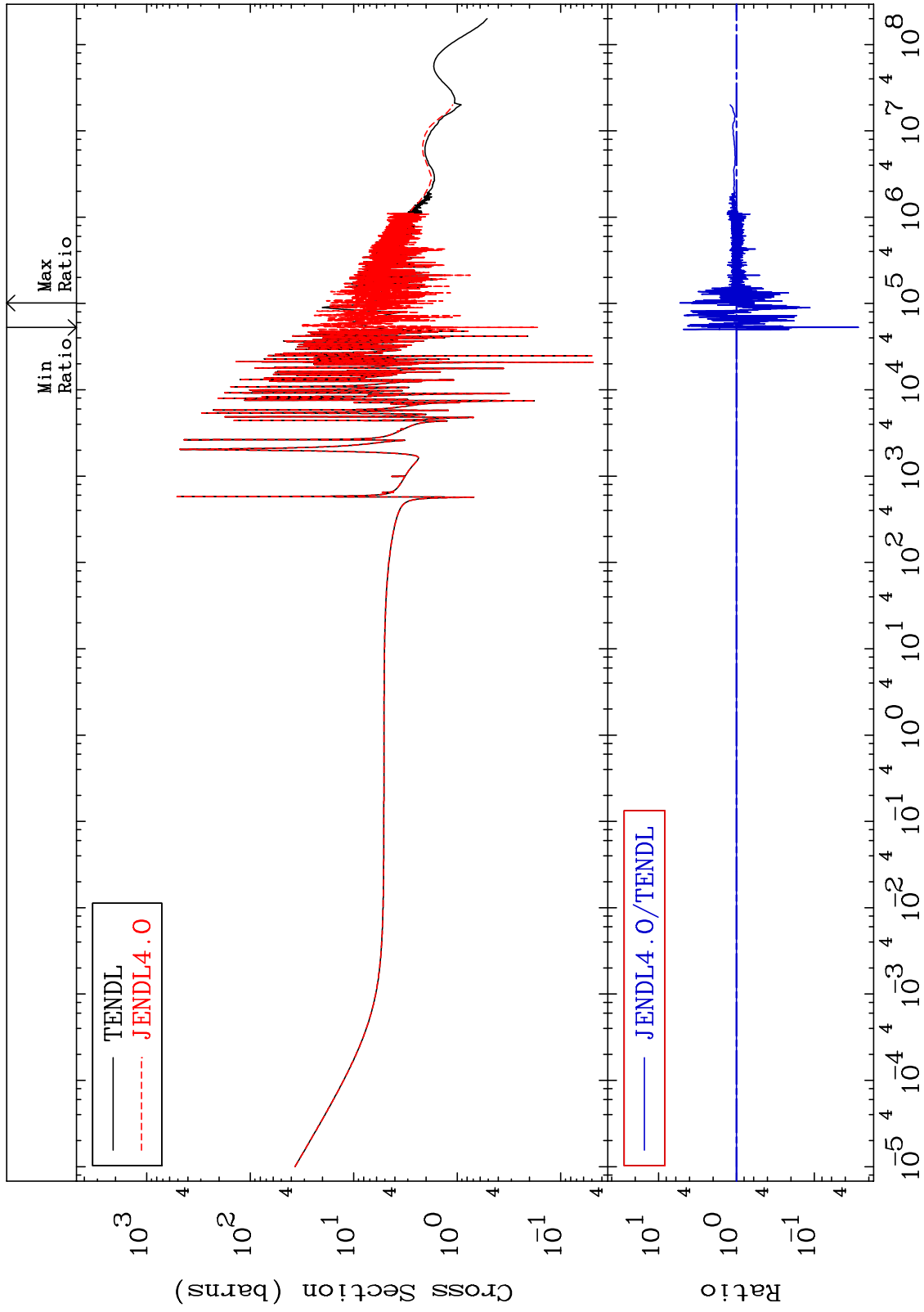


29-Cu-63

MAT 2925

Elastic  
Cross Section

29-Cu-63  
-97.28 To 431.1 %



2

Incident Energy (eV)

29-Cu-63

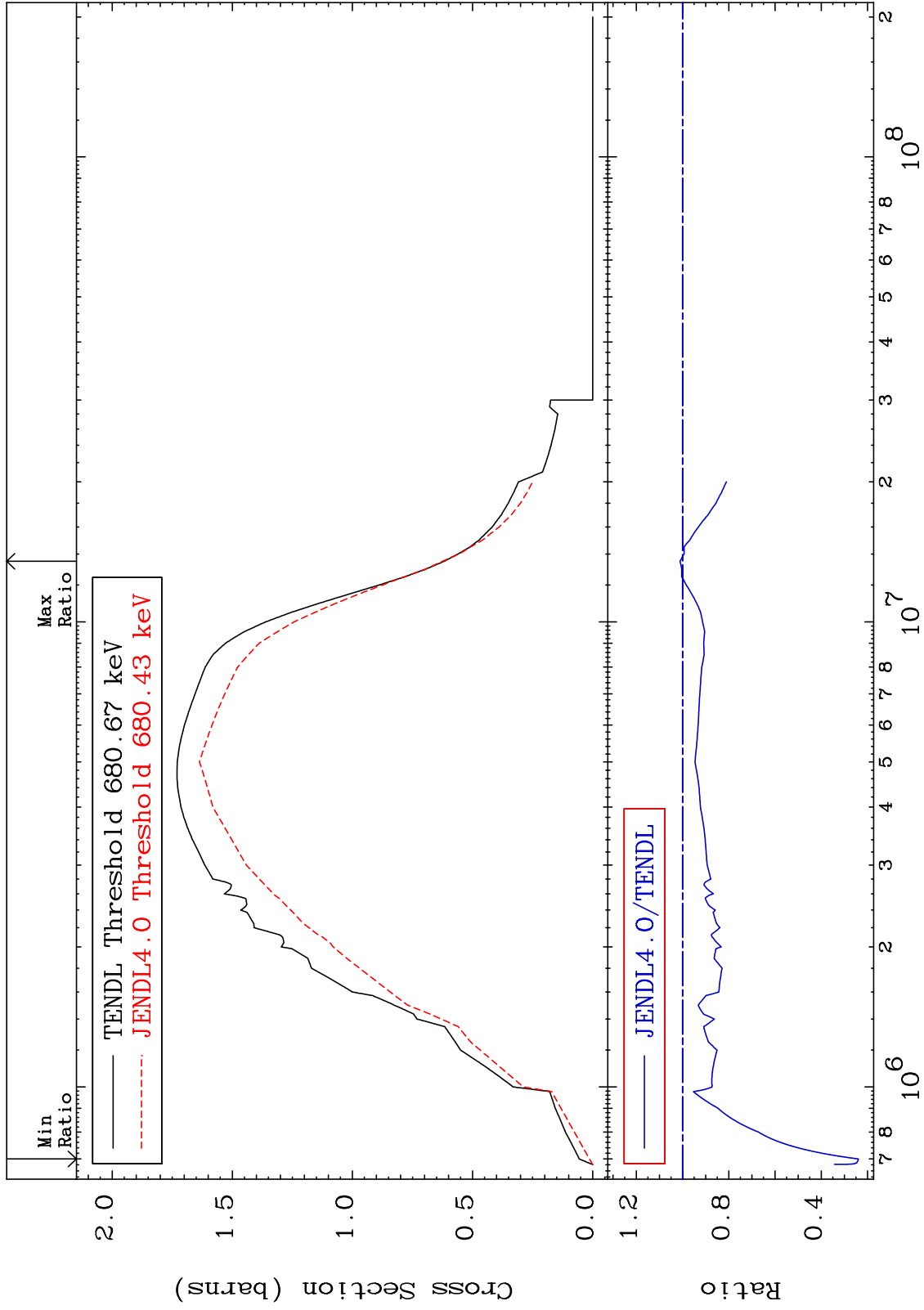
MAT 2925

Inelastic

29-Cu-63

Cross Section

-76.05 To 1.071 %



3

Incident Energy (eV)

29-Cu-63

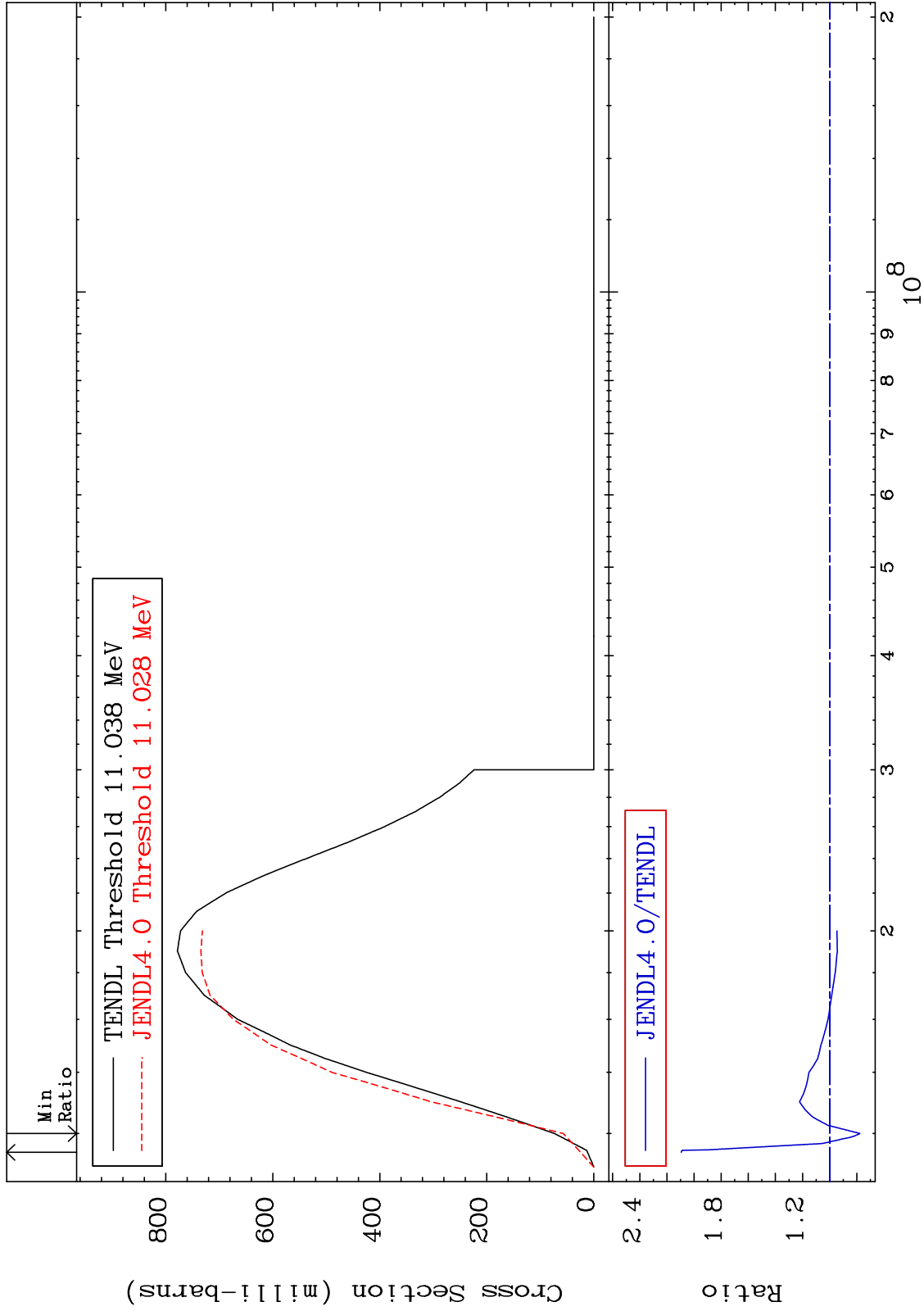
MAT 2925

(n,2n)

29-Cu-63

Cross Section

-22.31 To 109.4 %



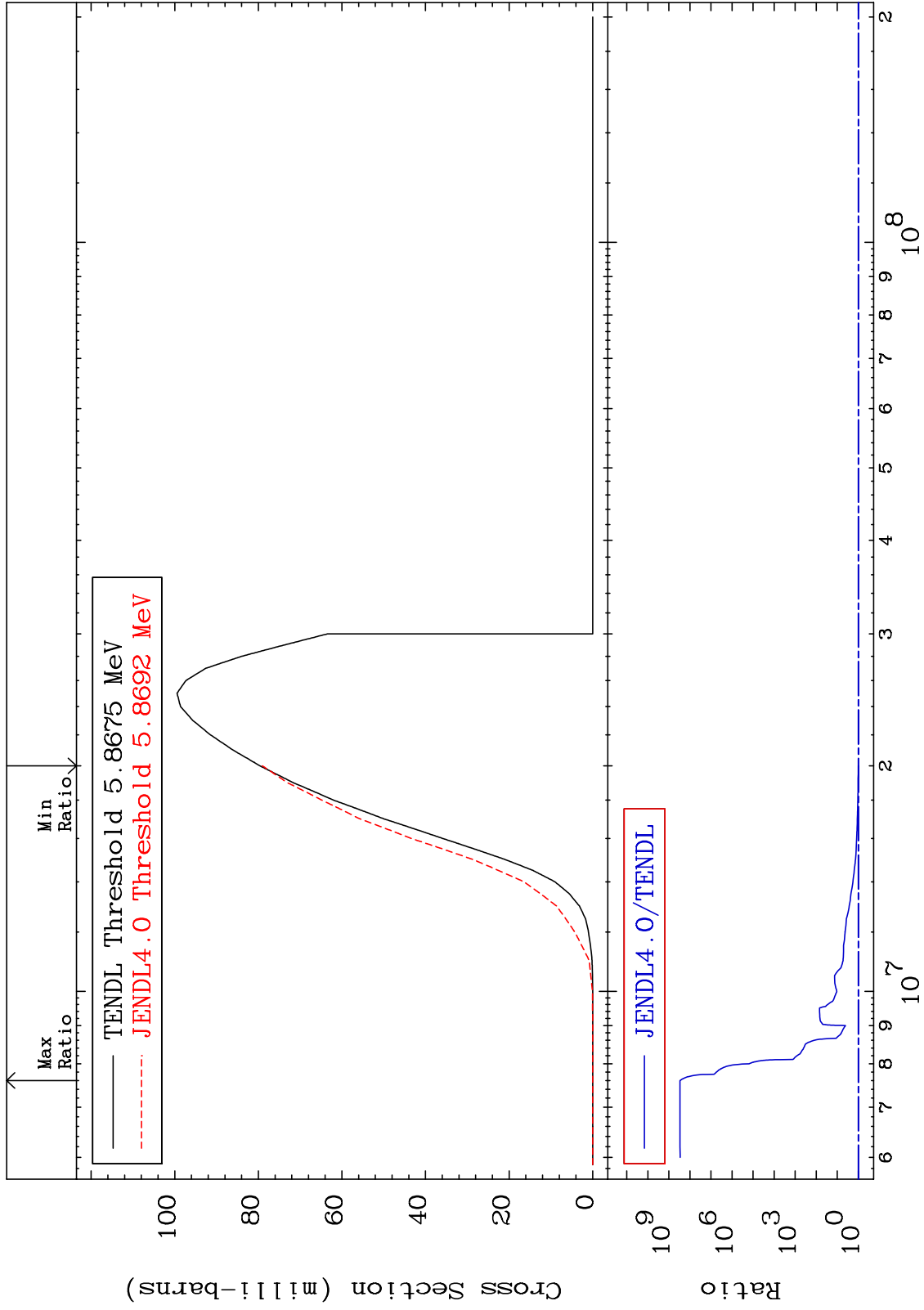
MAT 2925

(n,n')  $\alpha$

29-Cu-63

Cross Section

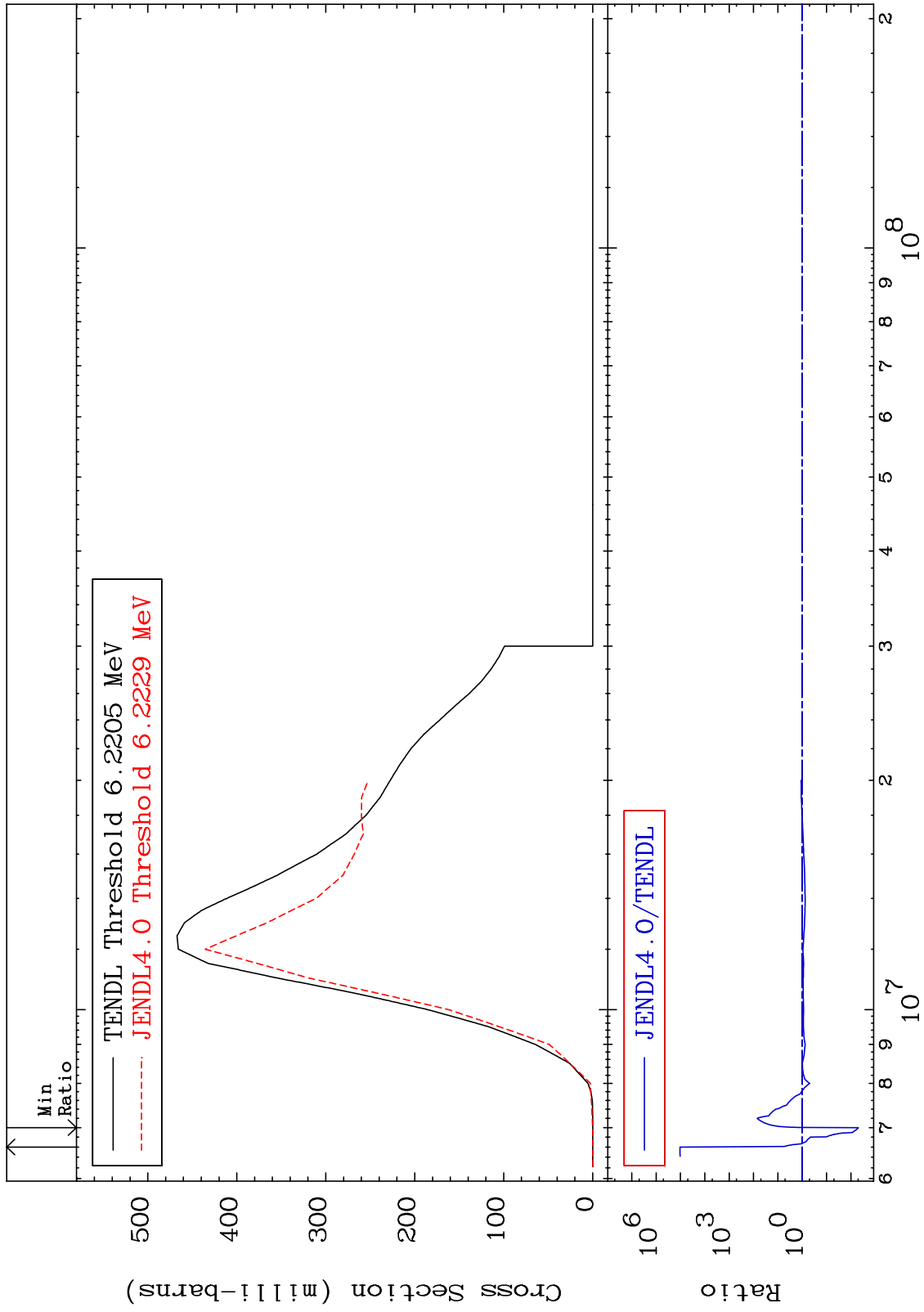
-0.760 To 9999. %



MAT 2925

(n,n') p  
Cross Section

29-Cu-63  
-99.51 To 9999. %



6

Incident Energy (eV)

29-Cu-63

MAT 2925

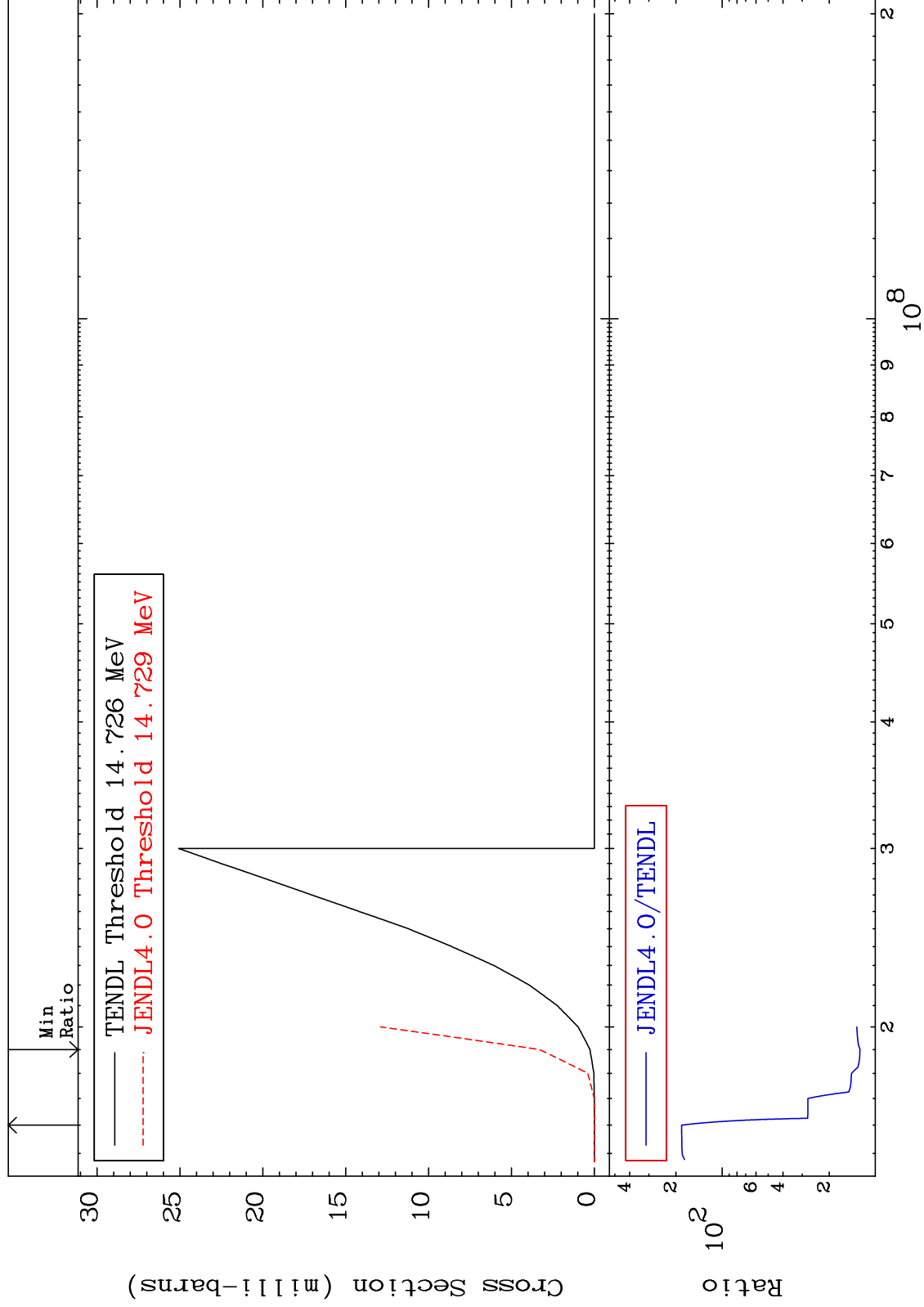
(n,n') d

29-Cu-63

Cross Section

1159.

To 9999. %

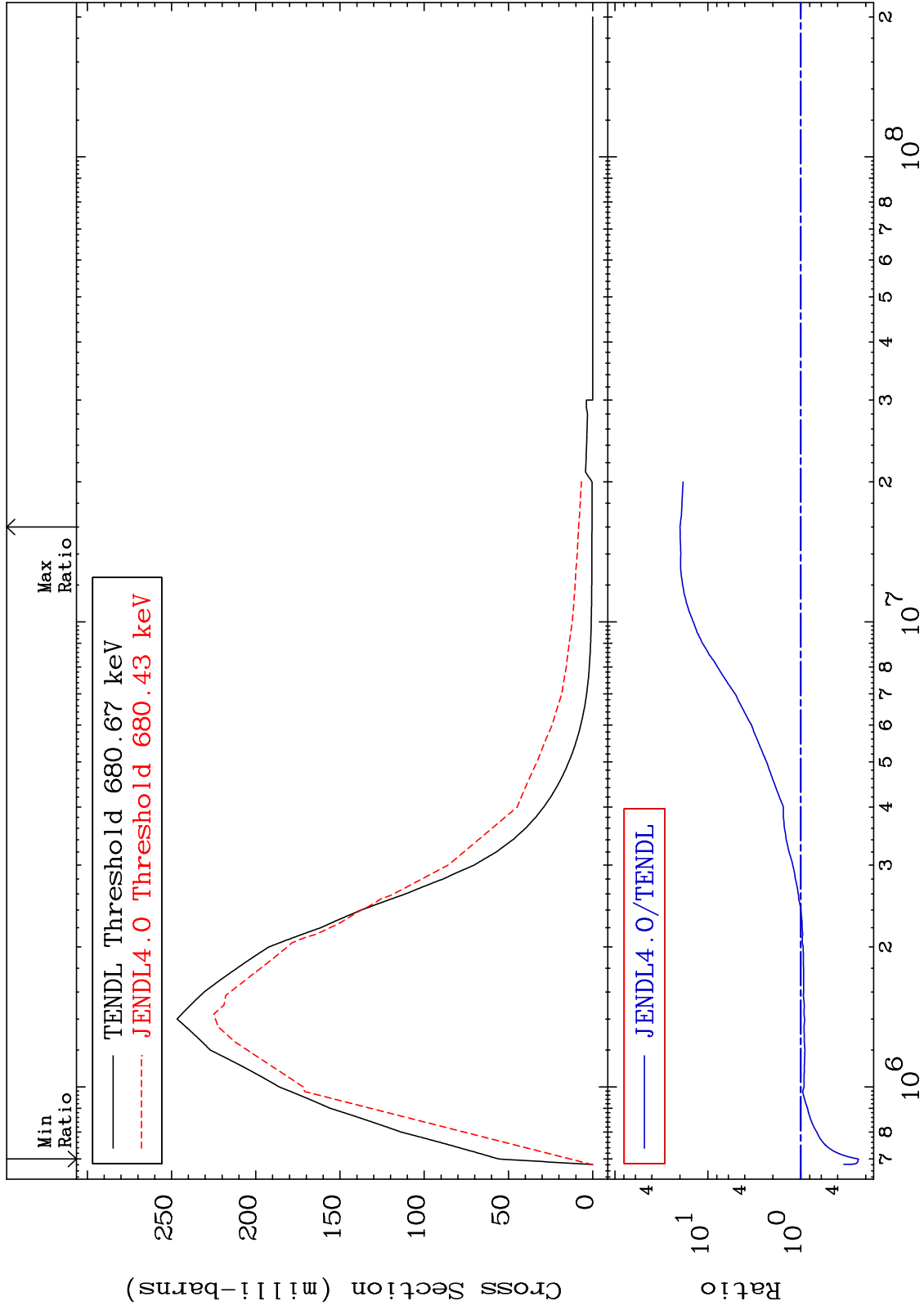




MAT 2925

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

29-Cu-63  
-76.05 To 1892. %



8

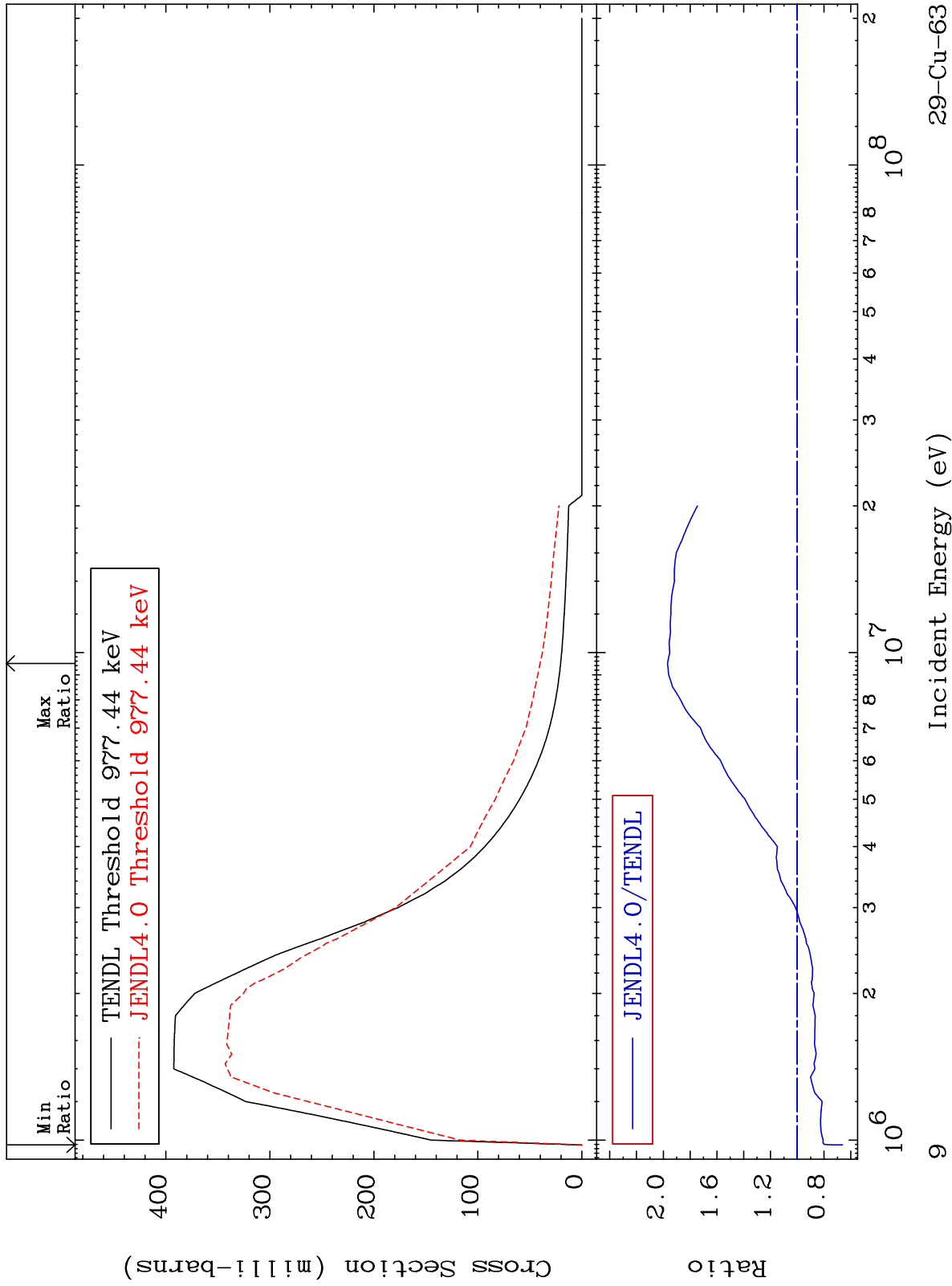
Incident Energy (eV)

29-Cu-63

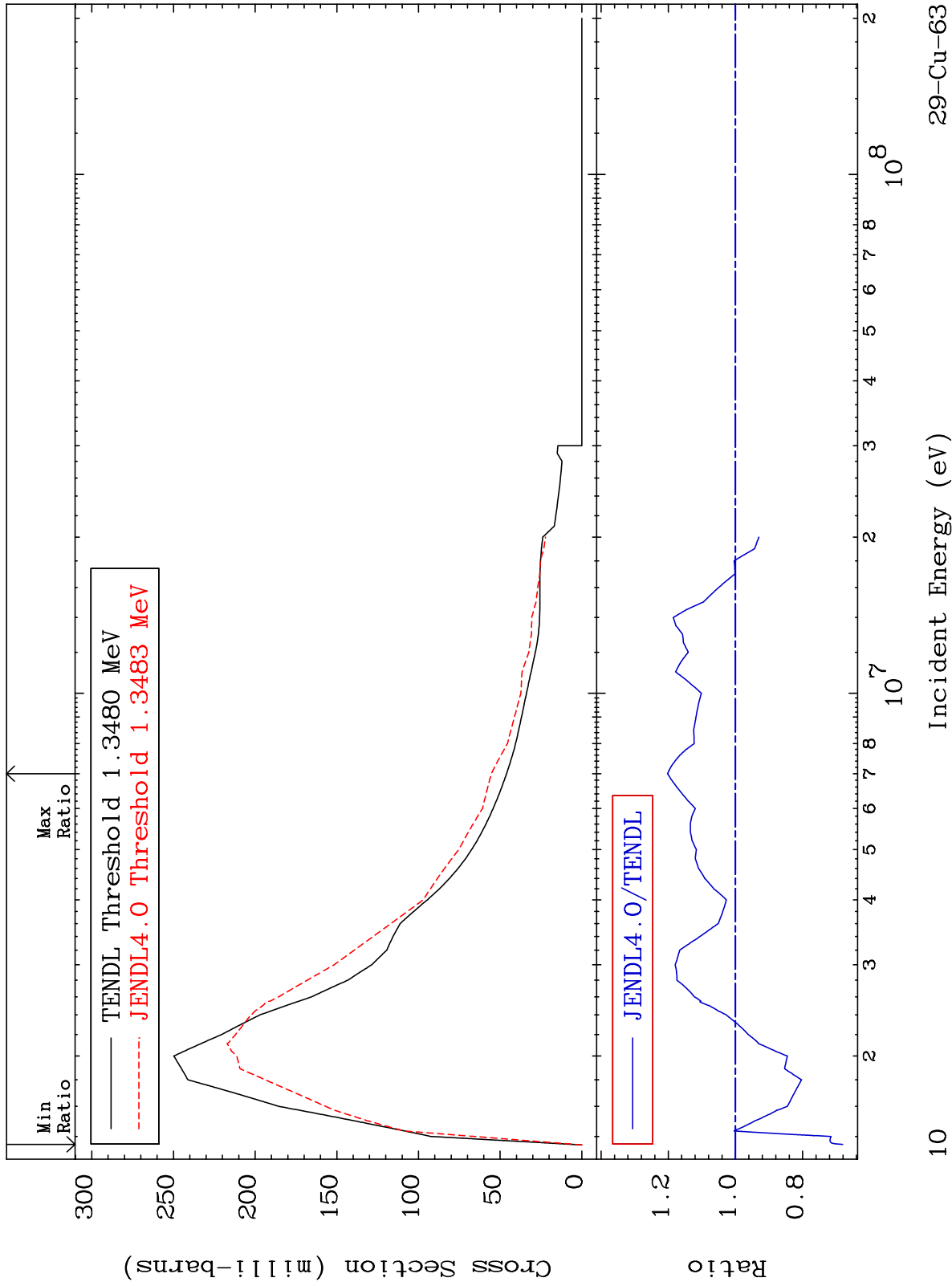
MAT 2925

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

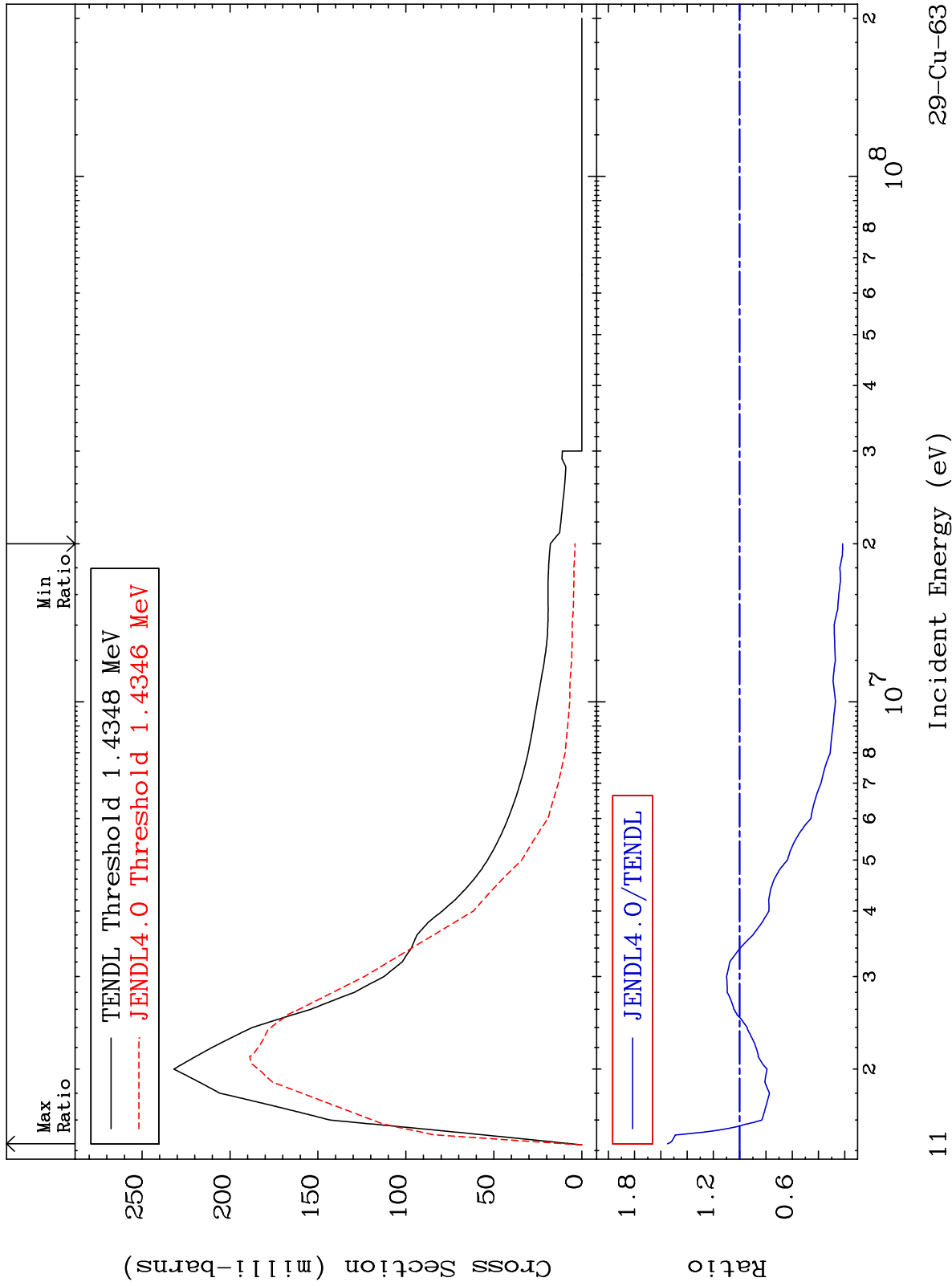
29-Cu-63  
-33.90 To 96.84 %



MAT 2925 MT= 53 (n,n') Level Cross Section -31.91 To 20.21 % 29-Cu-63



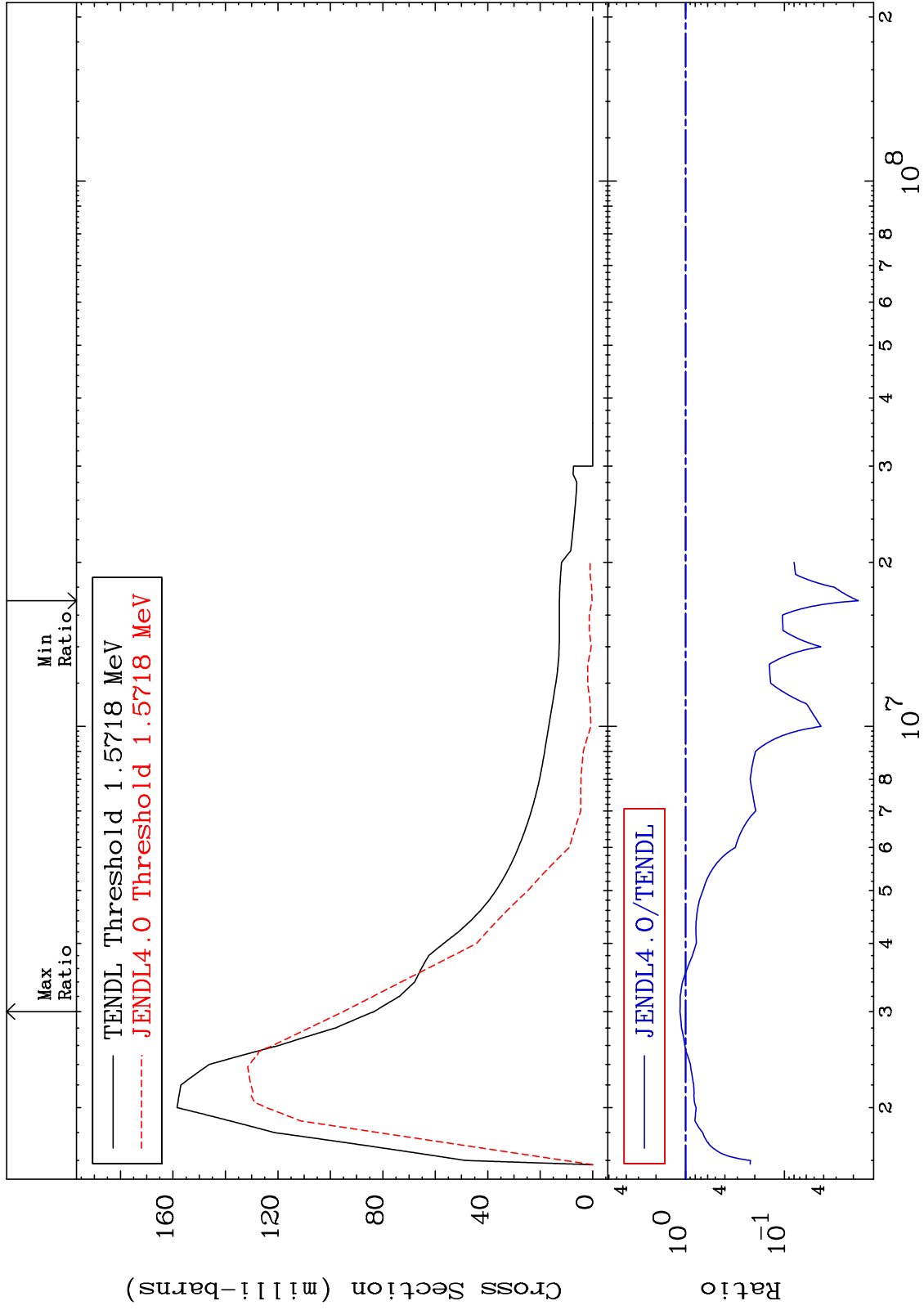
MAT 2925      MT= 54 (n,n') Level      29-Cu-63  
 Cross Section      -78.41 To 54.90 %



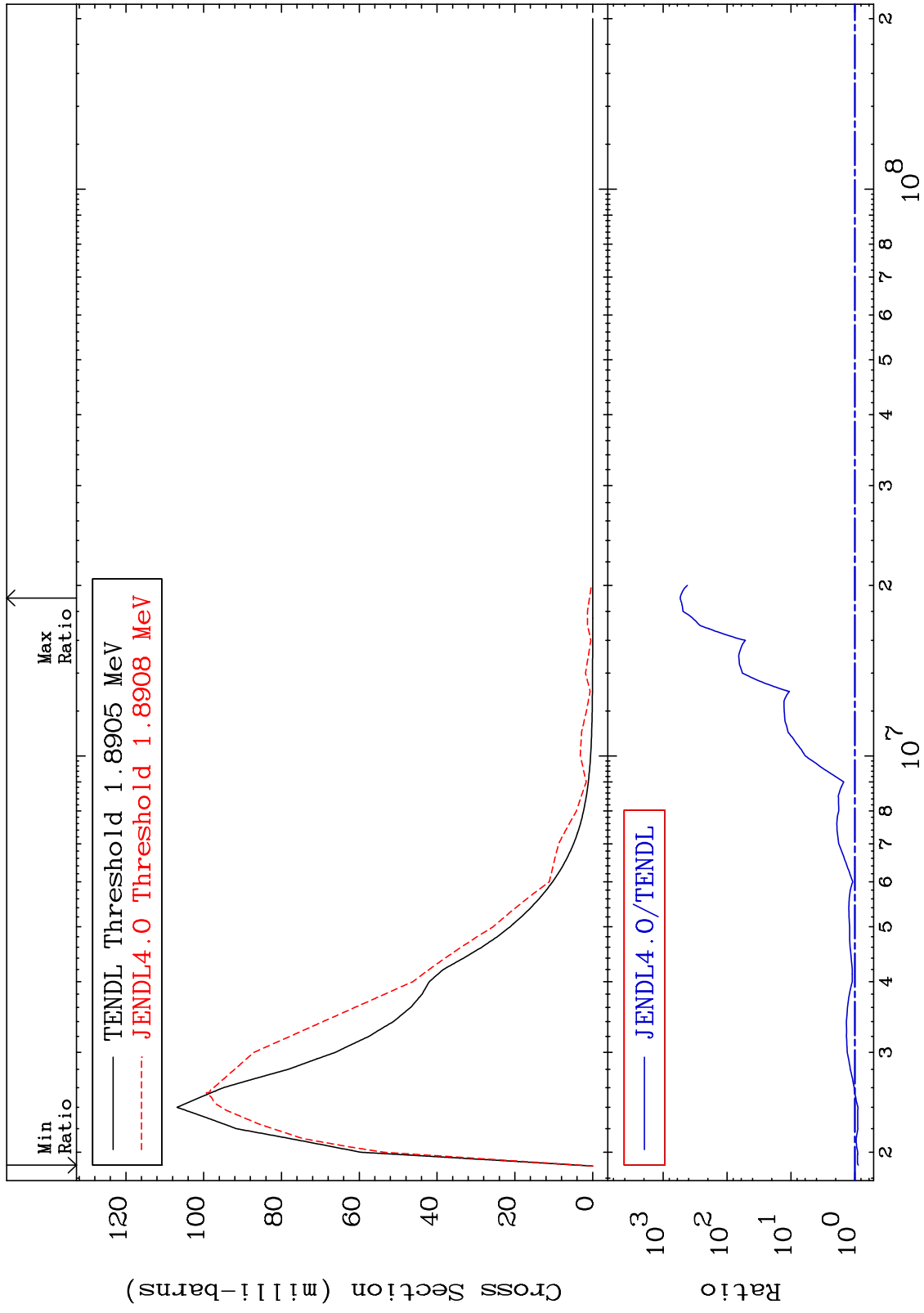
MAT 2925

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

29-Cu-63  
-98.22 To 14.04 %



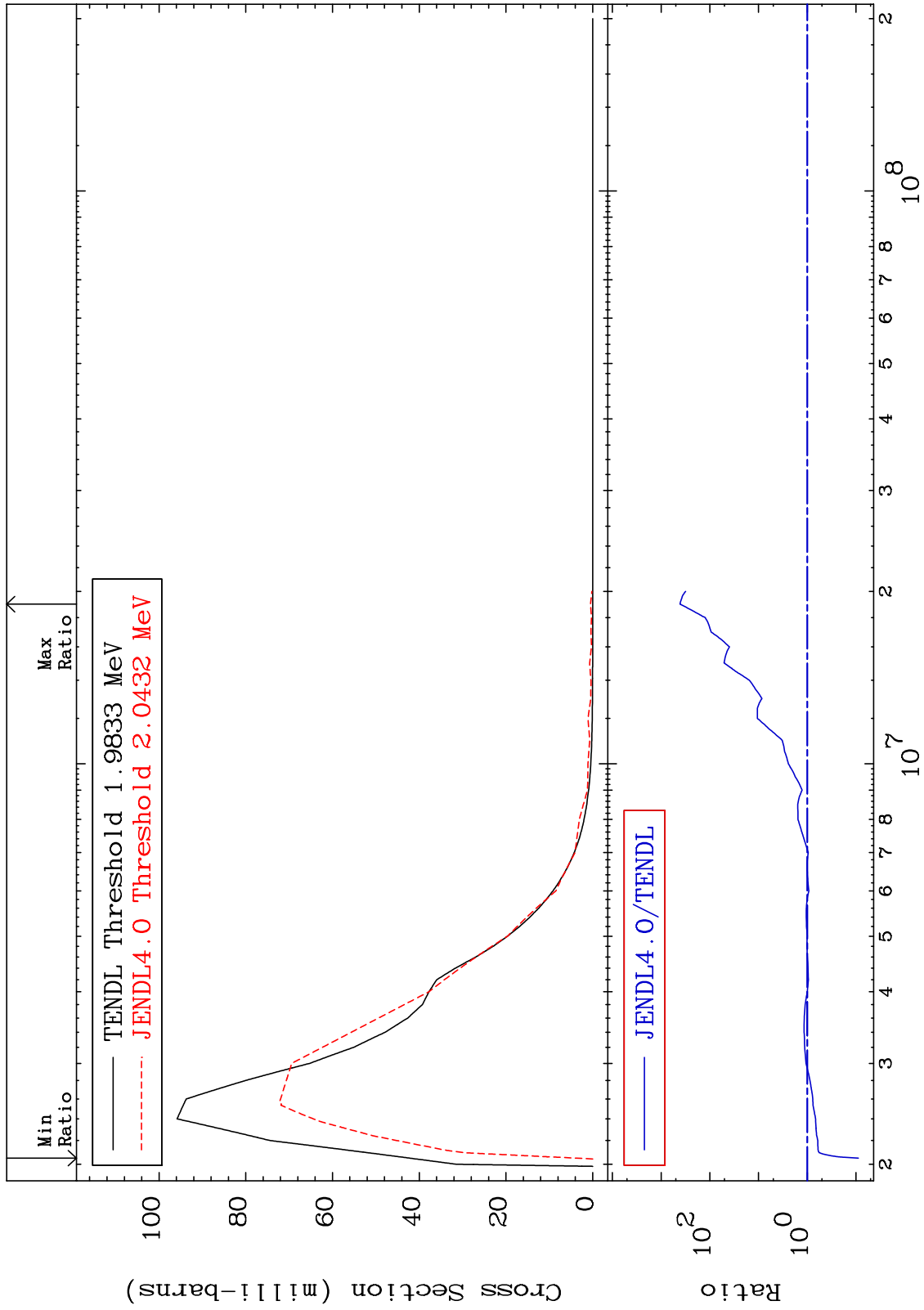
MAT 2925      MT= 56 (n,n') Level Cross Section      29-Cu-63  
 -12.05 To 9999. %



MAT 2925

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

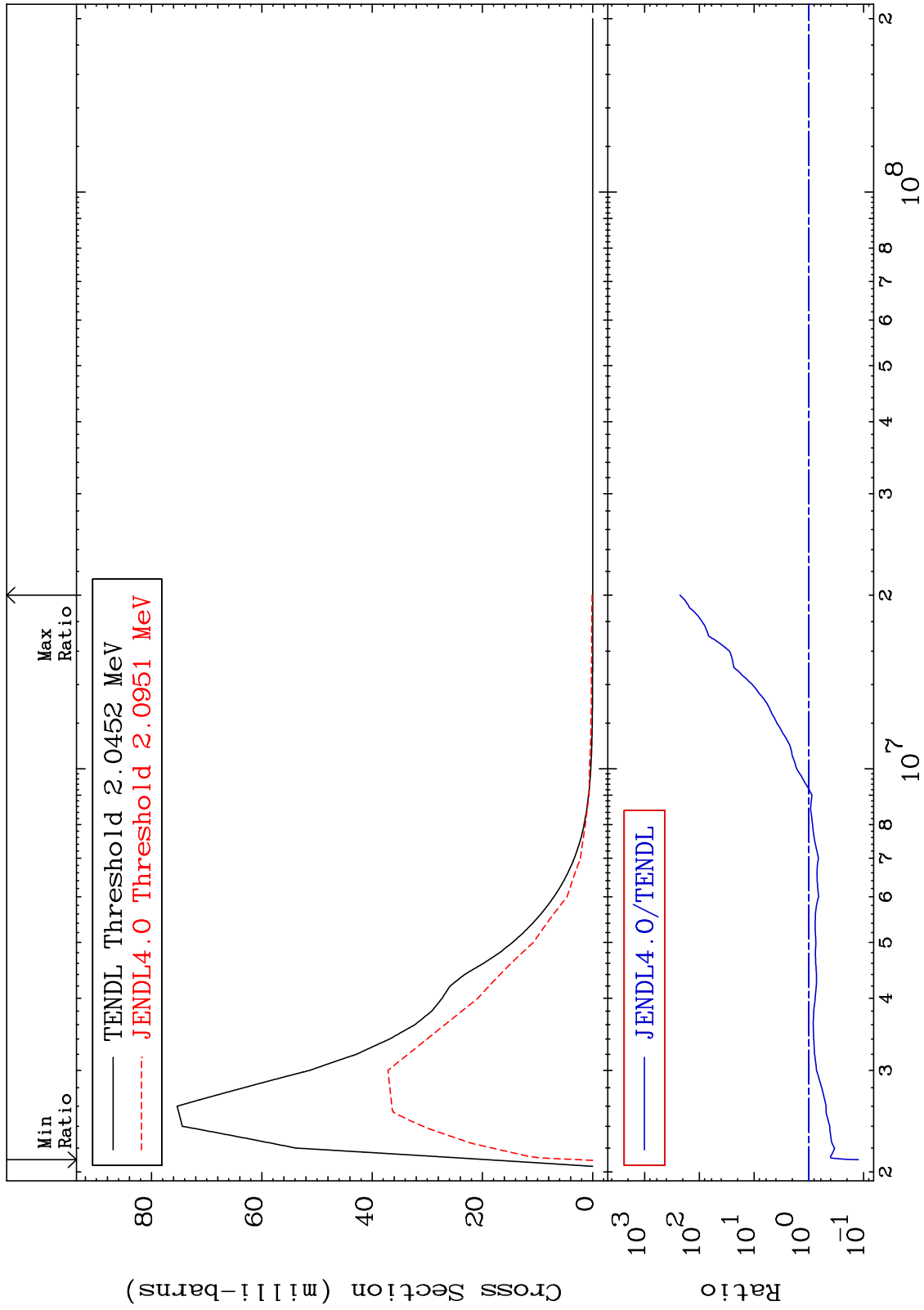
29-Cu-63  
-91.08 To 9999. %



MAT 2925

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

29-Cu-63  
-87.61 To 9999. %



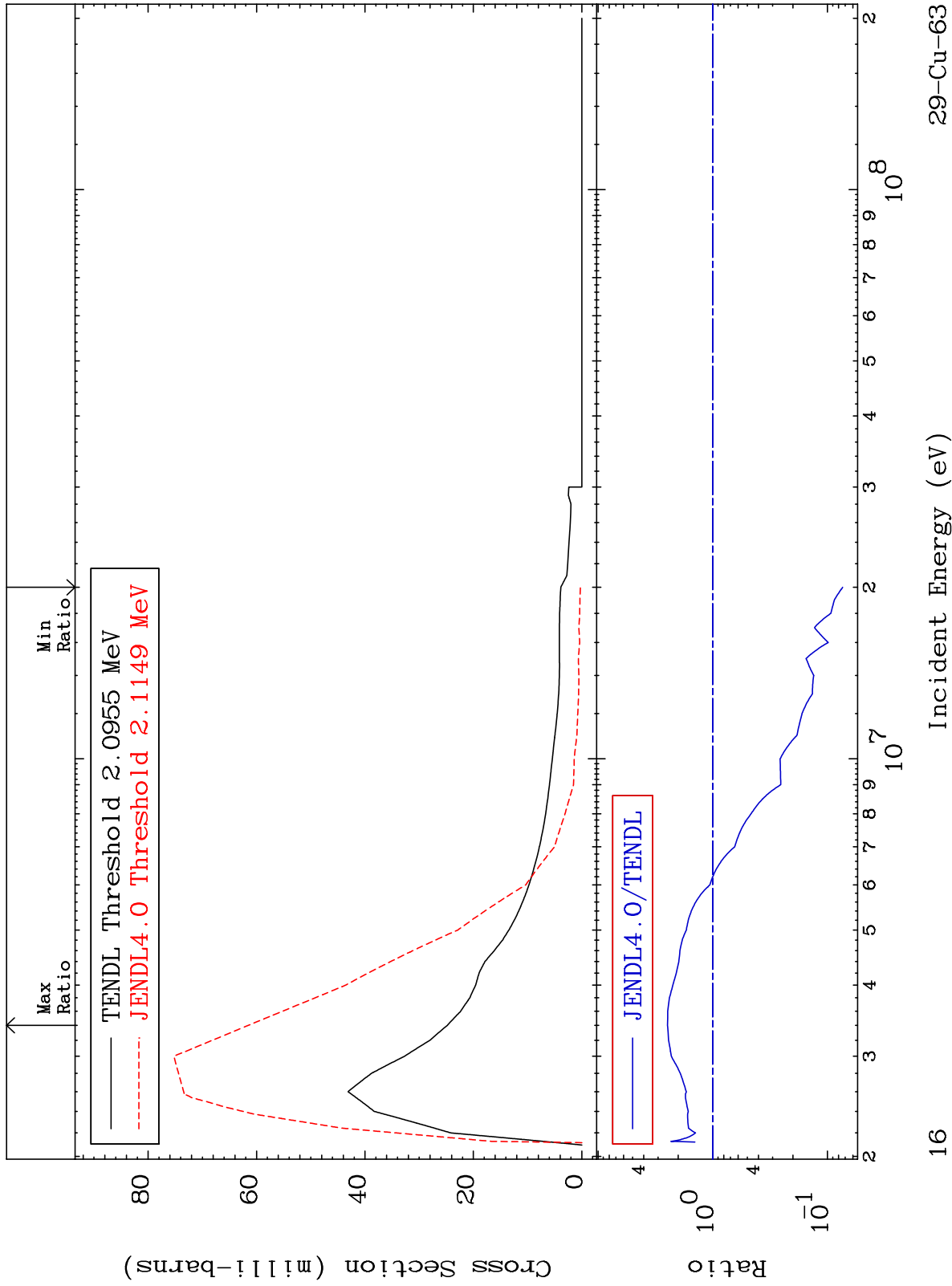
15

Incident Energy (eV)

29-Cu-63



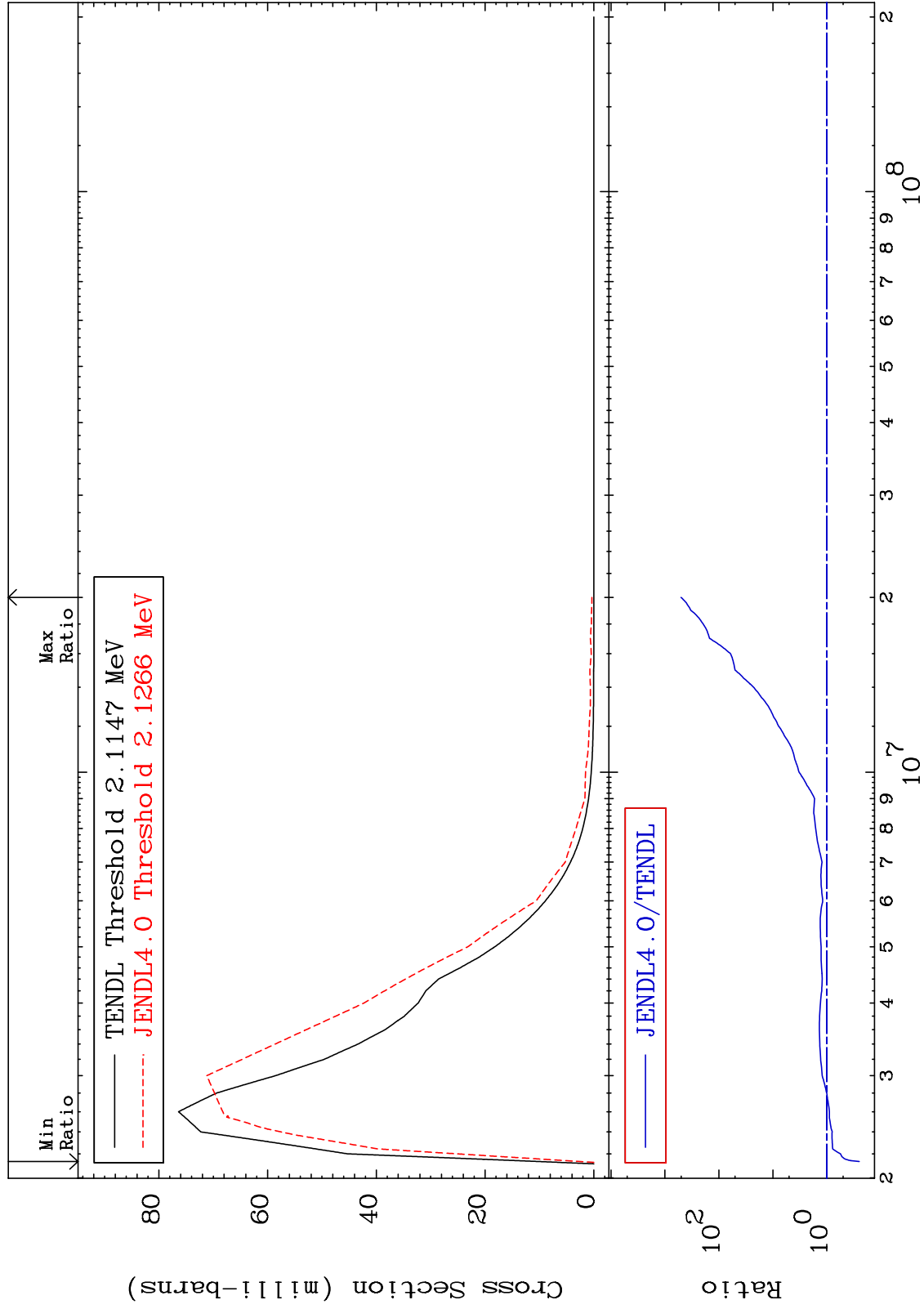
MAT 2925      MT= 59 (n,n') Level Cross Section      29-Cu-63  
 -92.64 To 147.8 %



MAT 2925

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

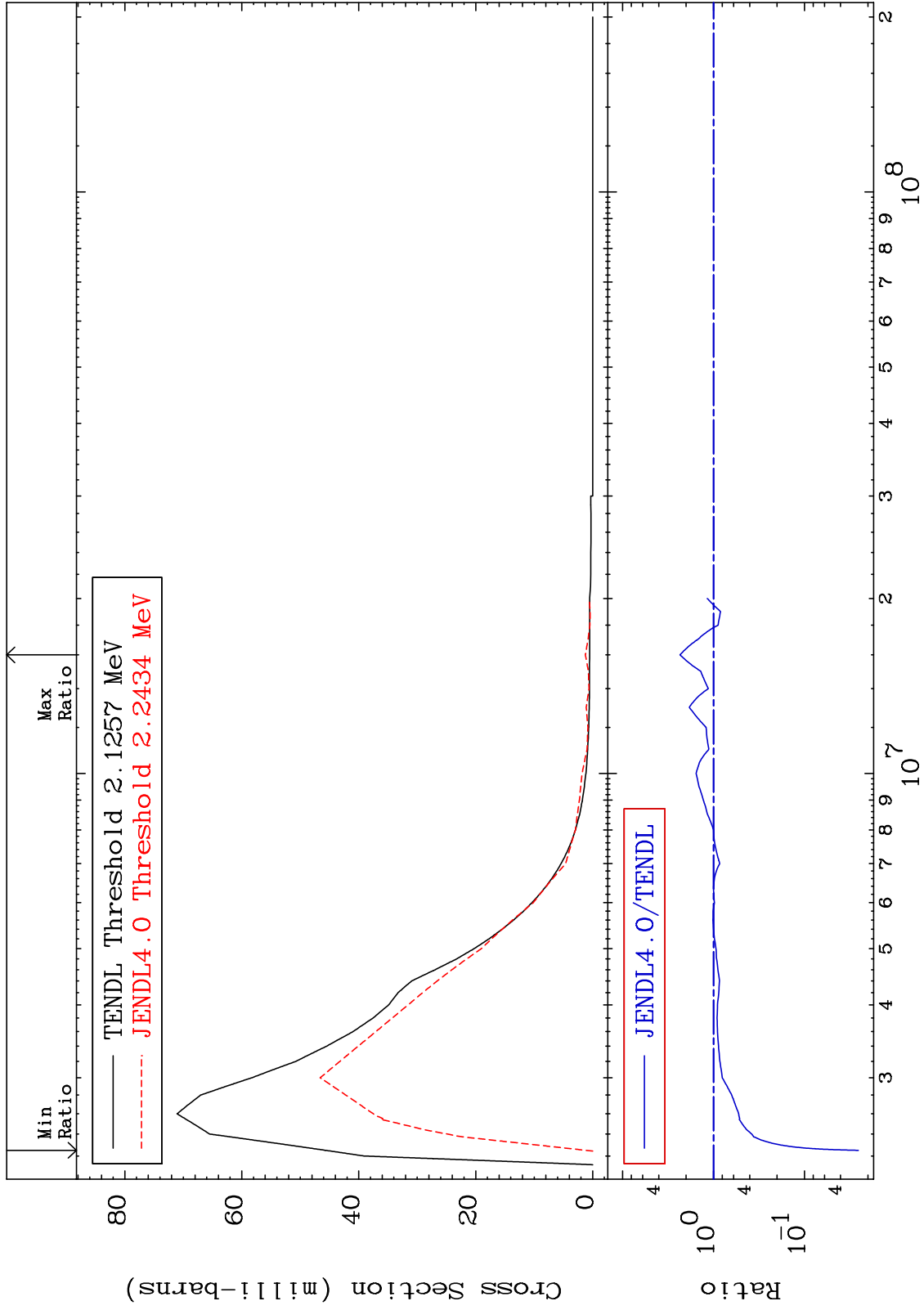
29-Cu-63  
-74.99 To 9999. %



MAT 2925

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

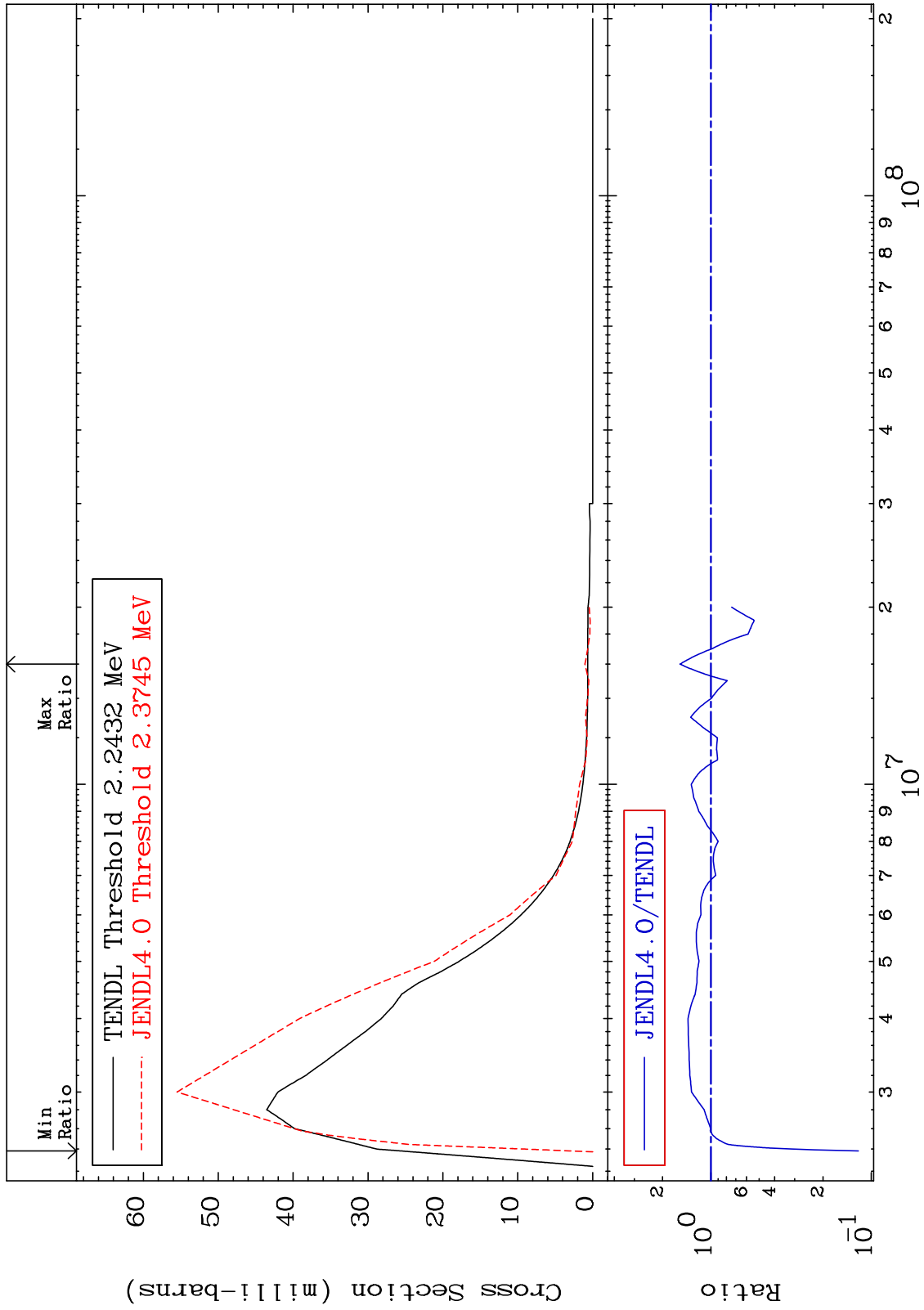
29-Cu-63  
-97.45 To 133.4 %



MAT 2925

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

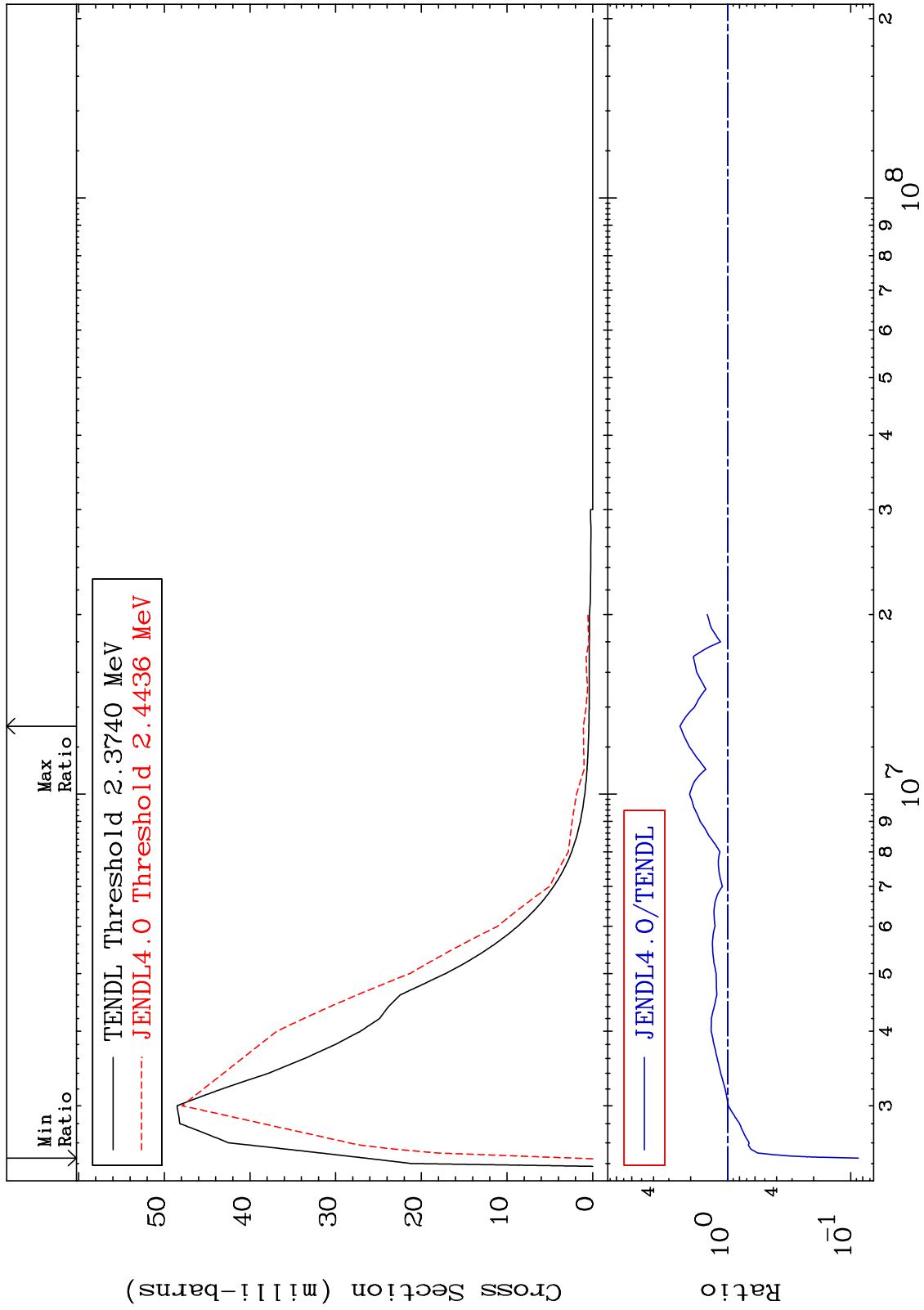
29-Cu-63  
-87.97 To 55.69 %



MAT 2925

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

29-Cu-63  
-91.34 To 143.7 %



20

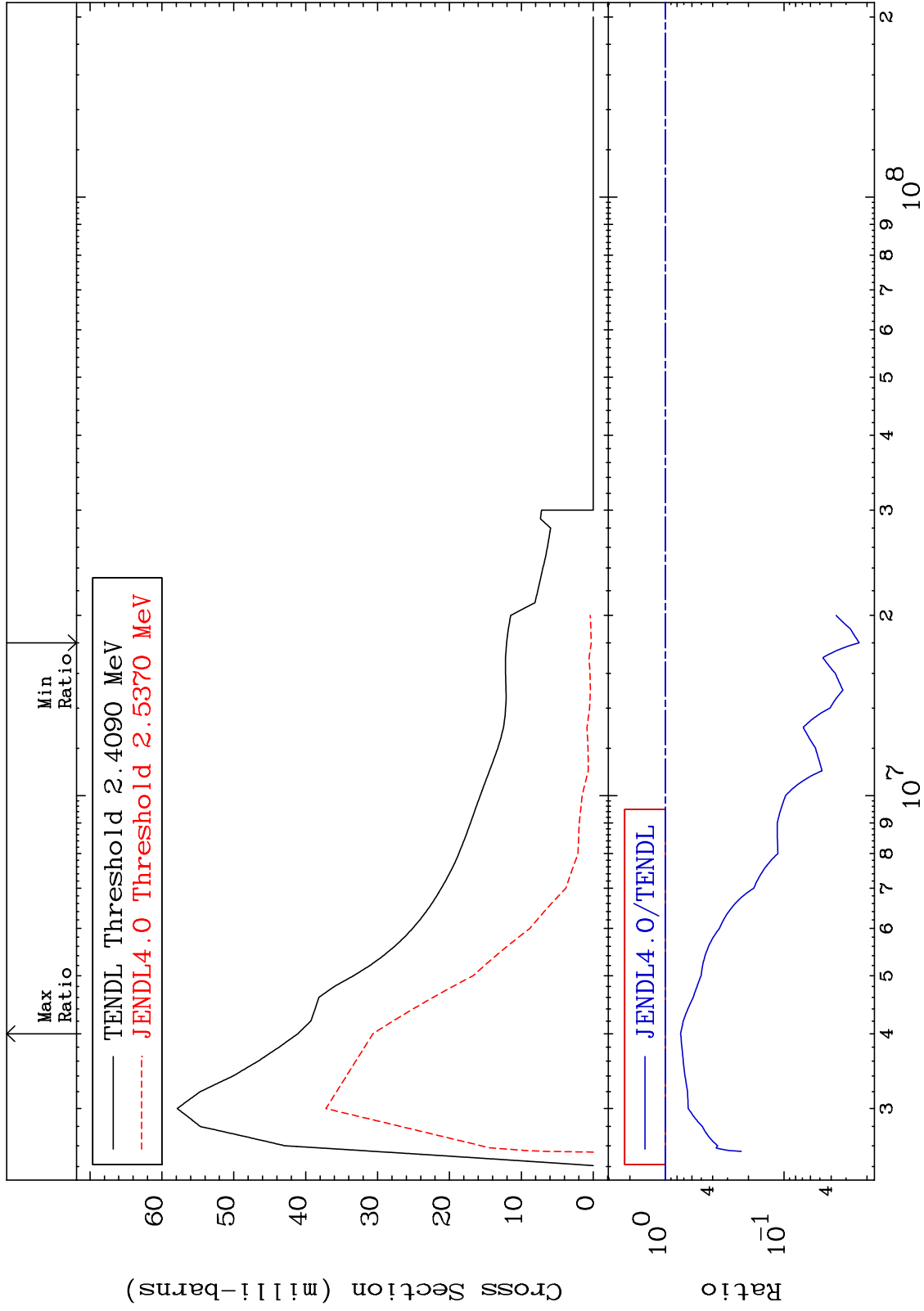
Incident Energy (eV)

29-Cu-63

MAT 2925

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

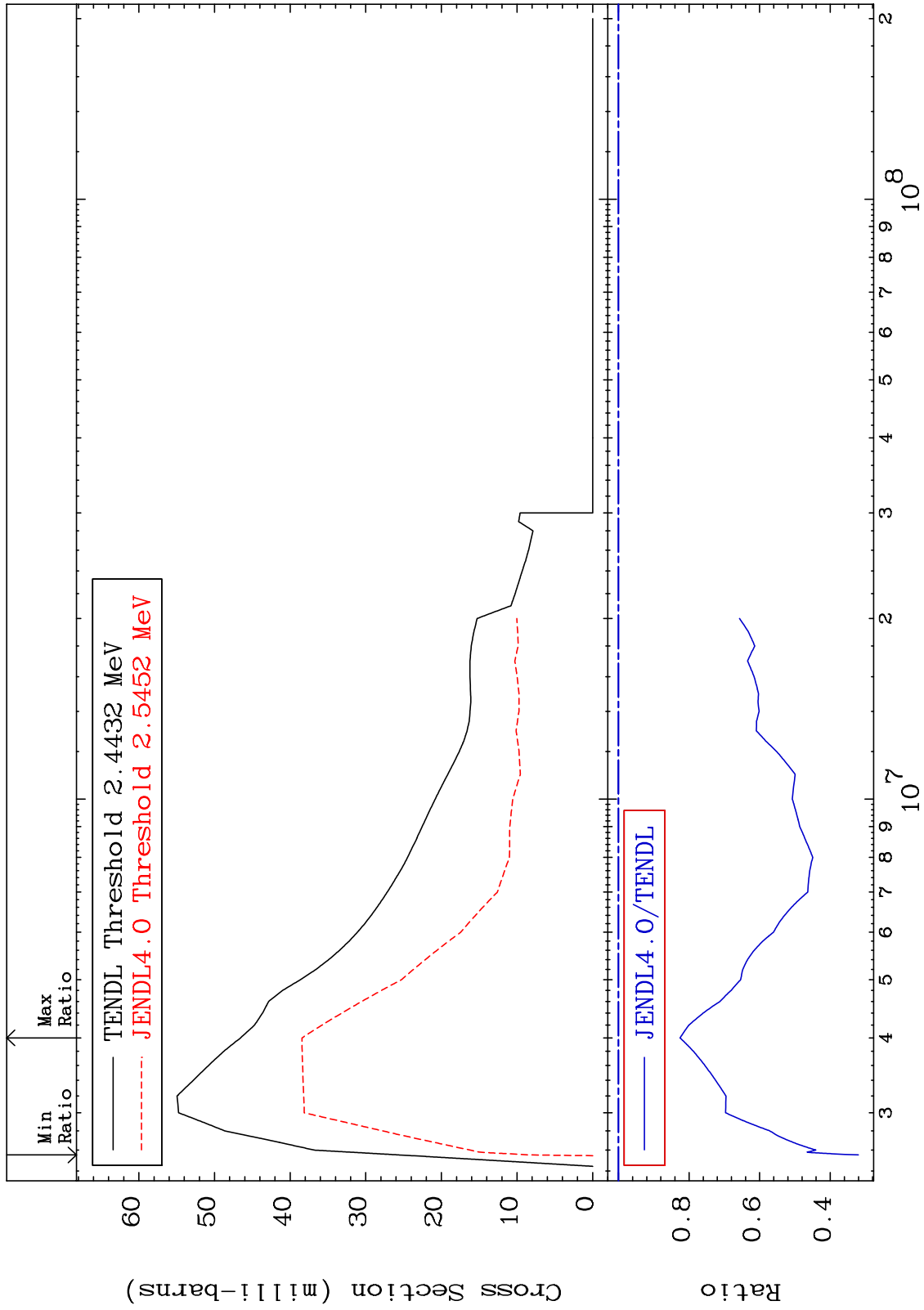
29-Cu-63  
-97.67 To -25.44%



MAT 2925

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

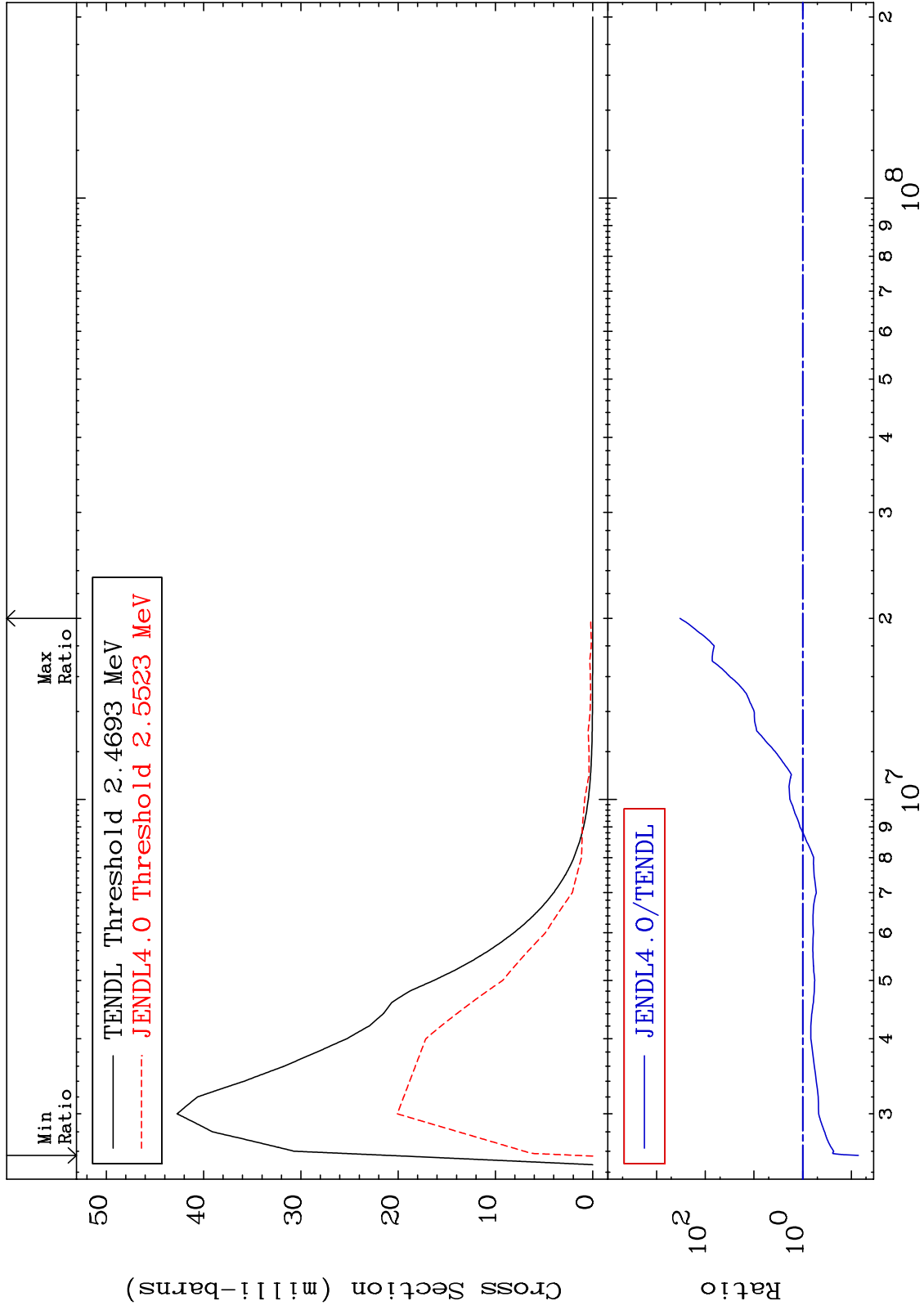
29-Cu-63  
-67.97 To -17.44%



MAT 2925

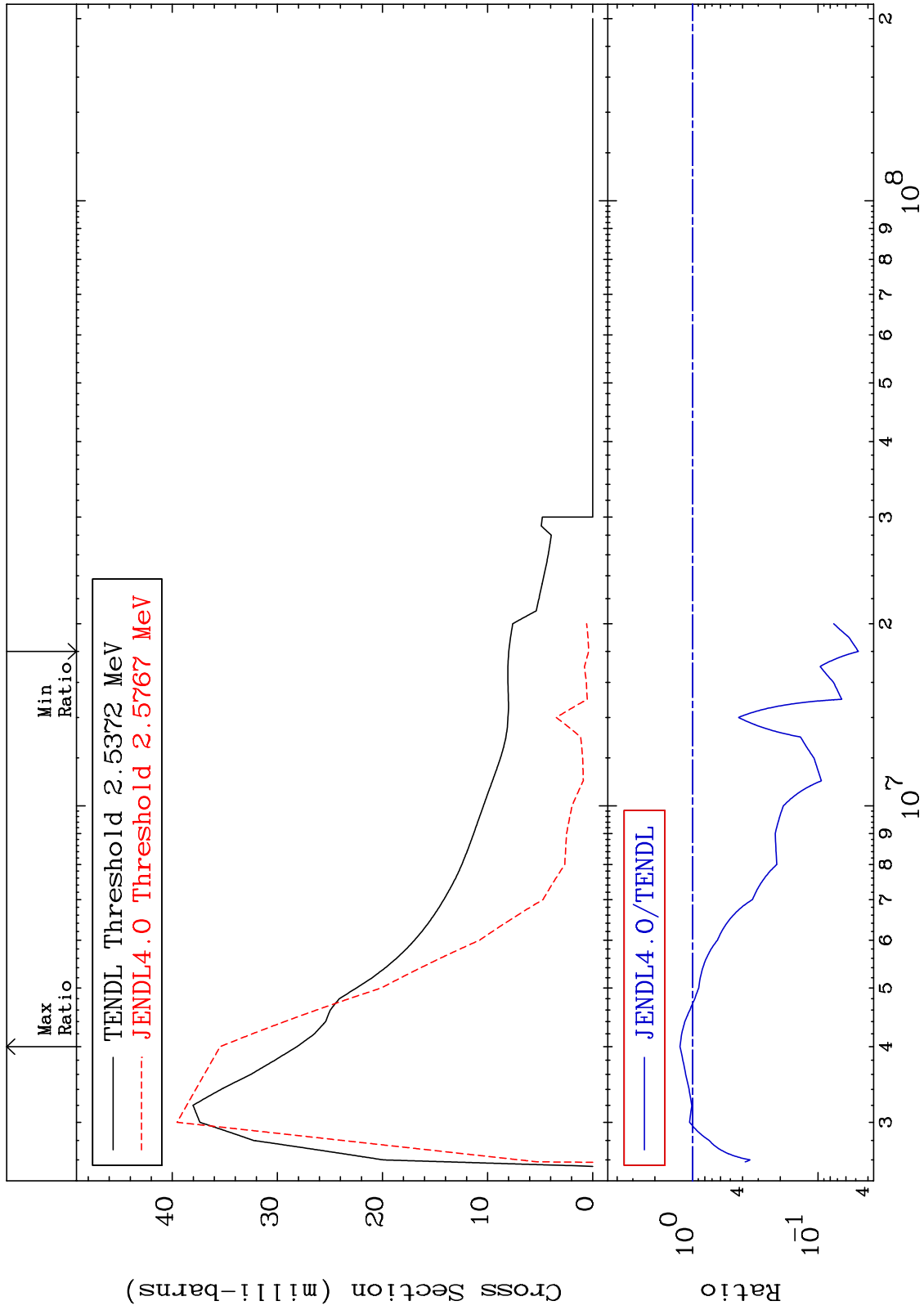
MT= 66 (n,n') Level  
Cross Section

29-Cu-63  
-92.86 To 9999. %





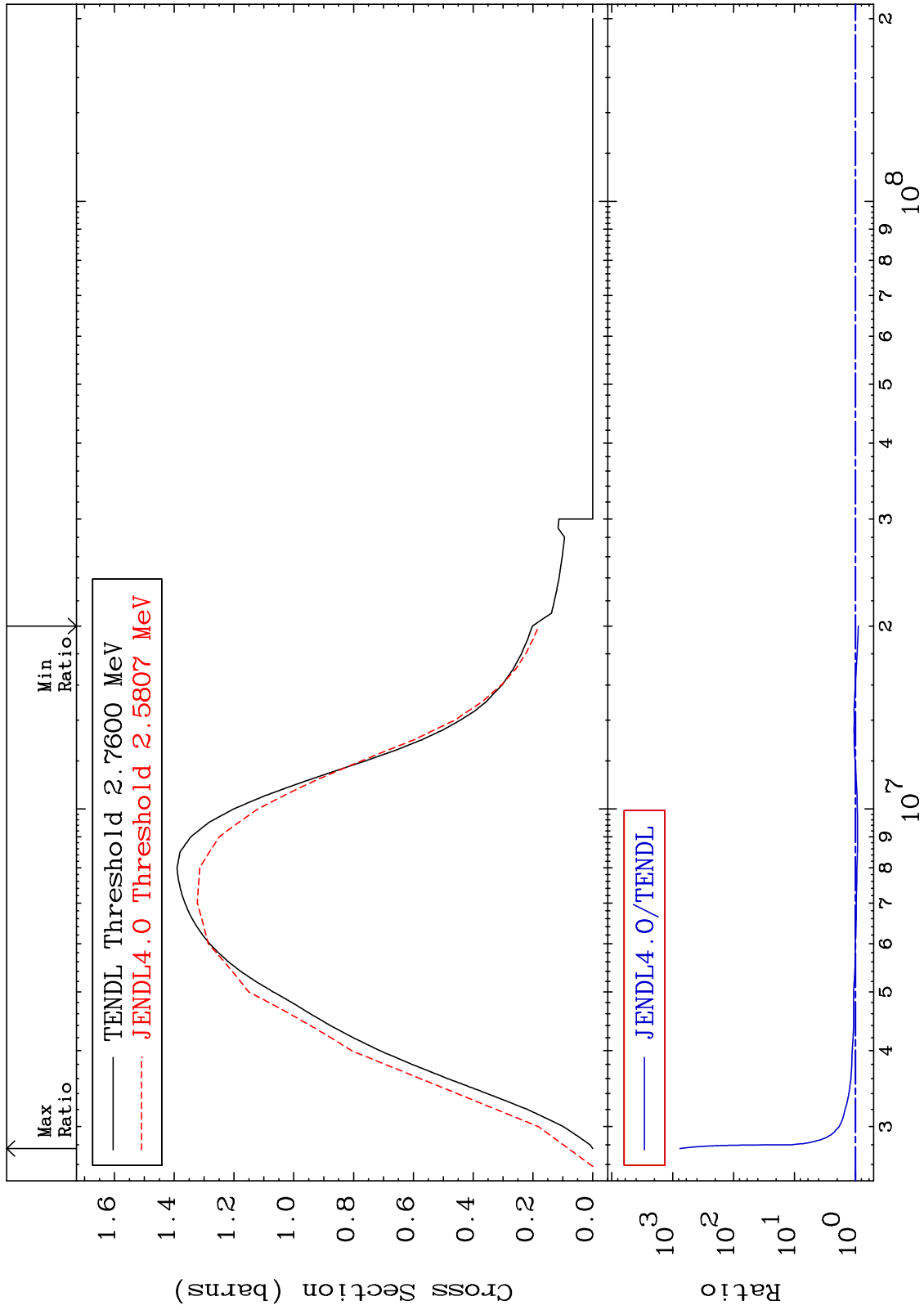
MAT 2925      MT= 67 (n,n') Level      29-Cu-63  
 Cross Section      -95.23 To 26.04 %



MAT 2925

(n,n') Continuum  
Cross Section

29-Cu-63  
-10.60 To 9999. %



25

Incident Energy (eV)

29-Cu-63

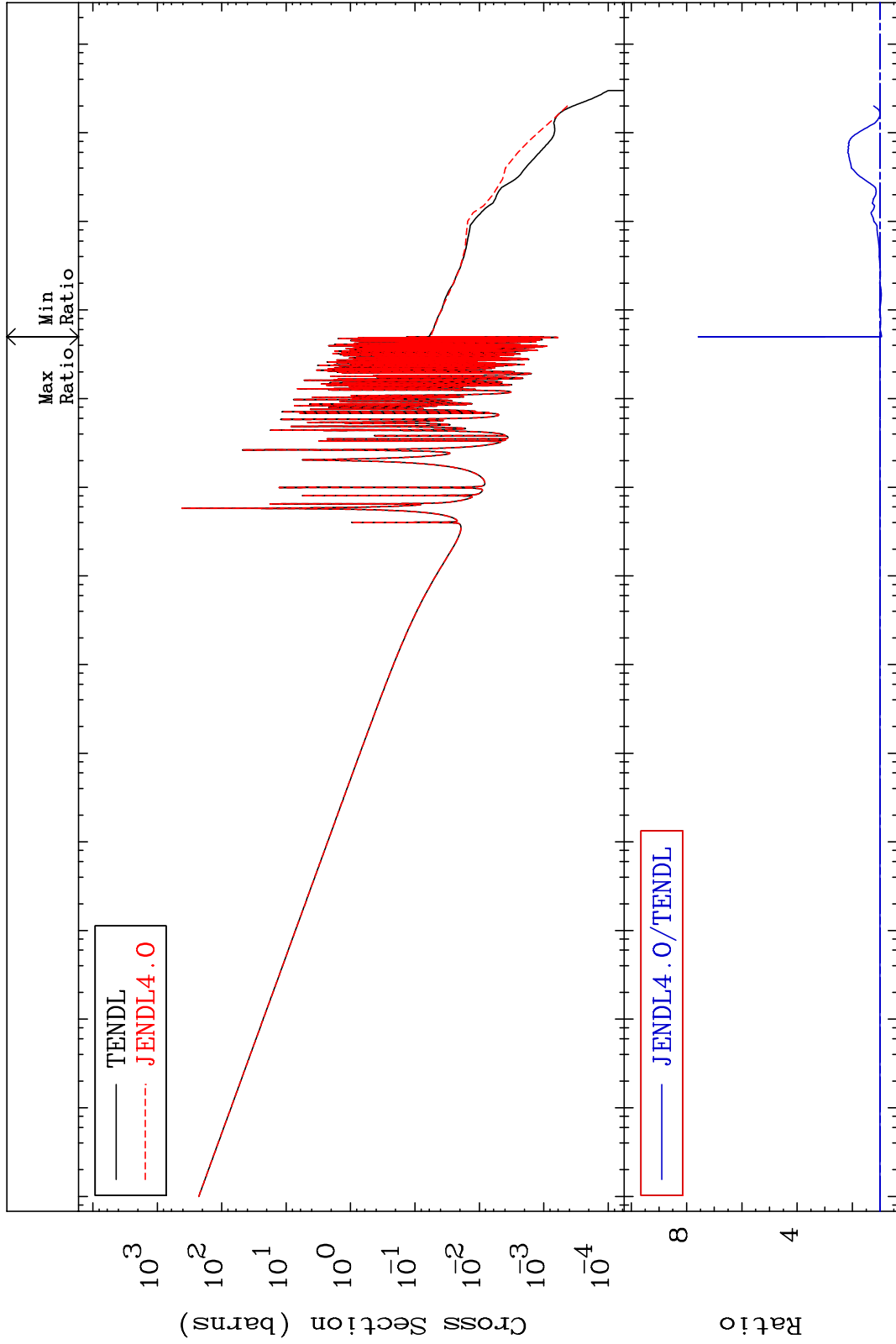
MAT 2925

(n,  $\gamma$ )

29-Cu-63

Cross Section

-5.463 To 657.5 %



Max Ratio

Min Ratio

— TENDL  
- - - JENDL4.0

— JENDL4.0/TENDL

29-Cu-63

Incident Energy (eV)

26

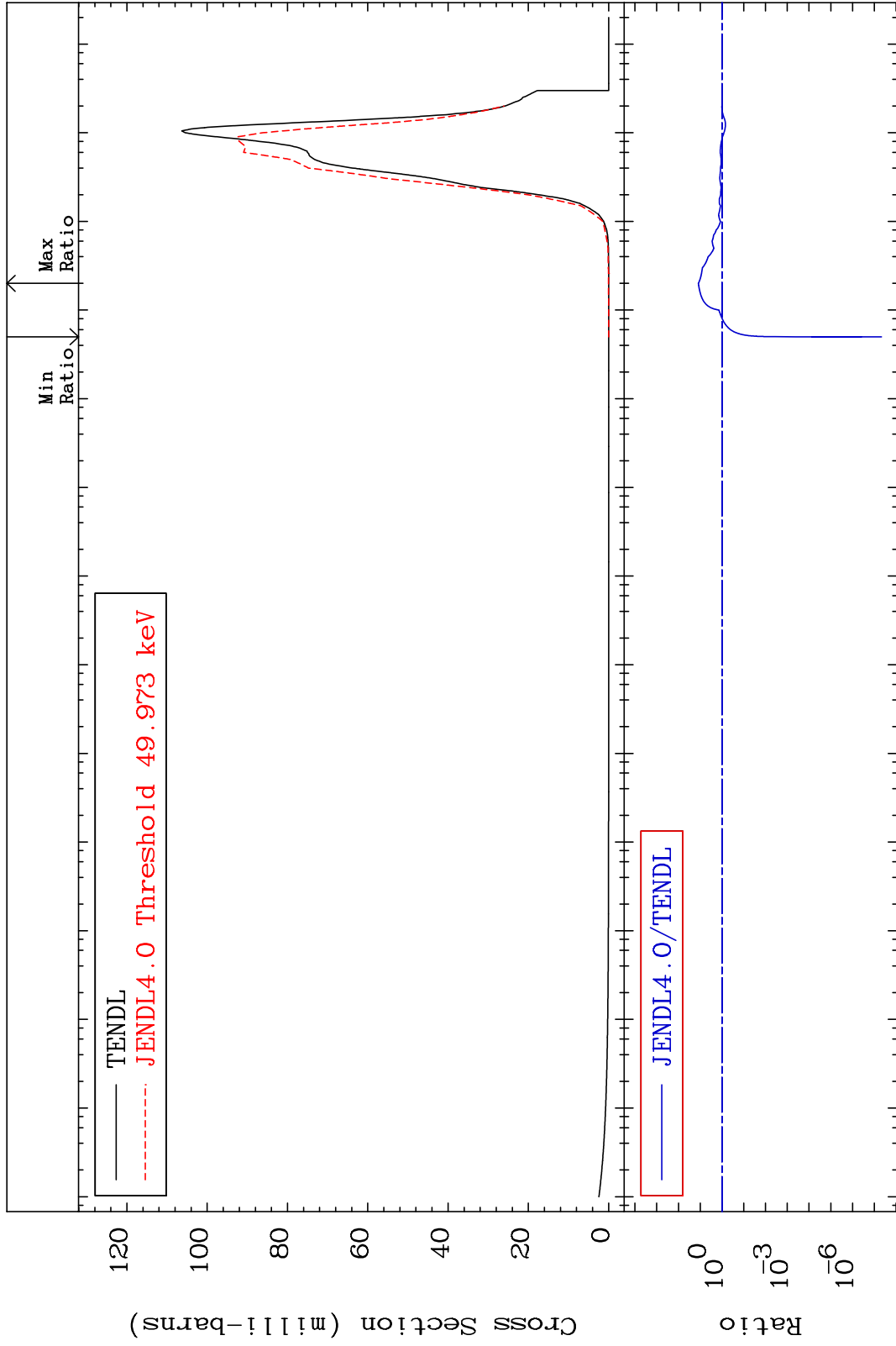
MAT 2925

(n,p)

29-Cu-63

Cross Section

-100.0 To 1119. %

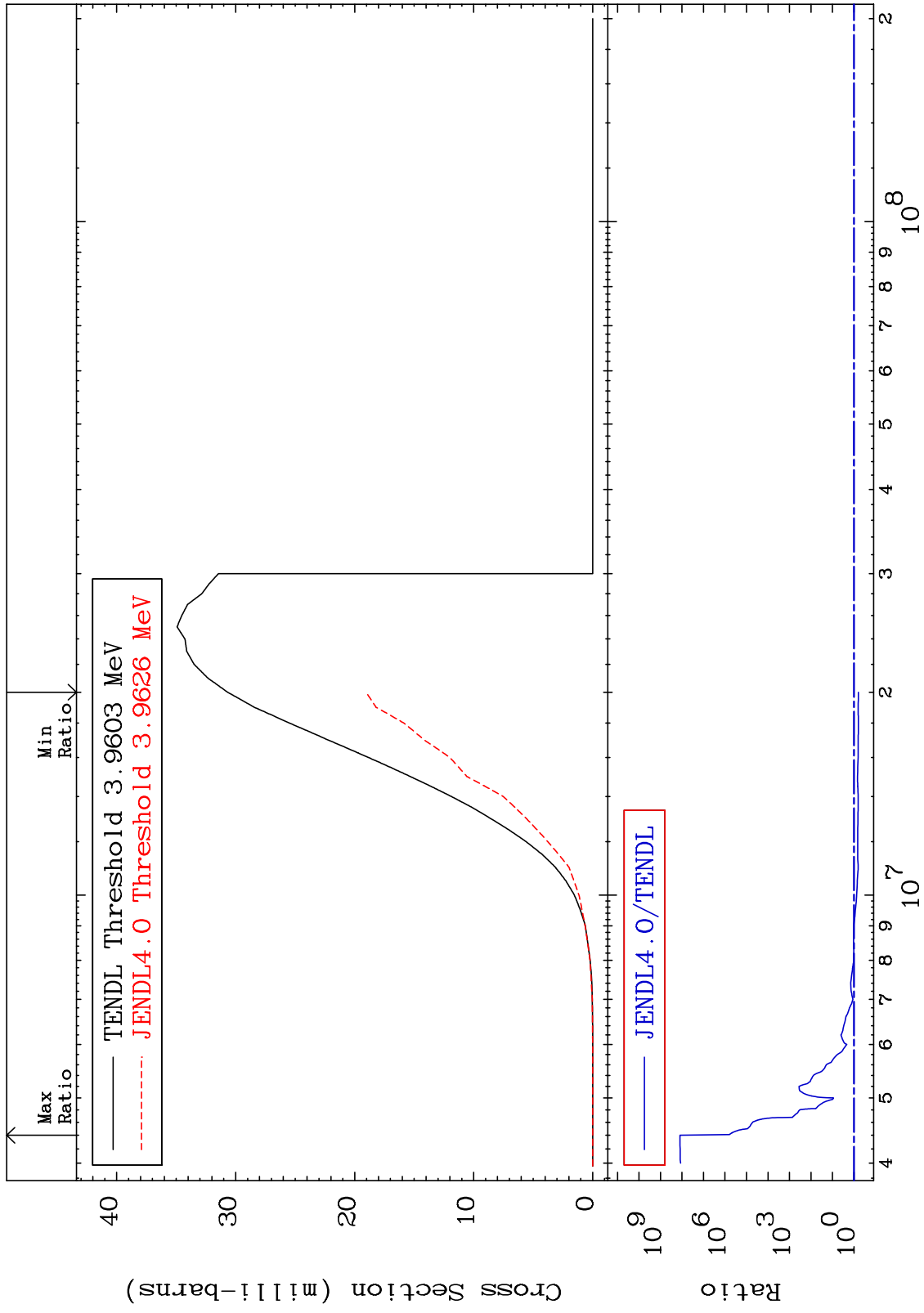


Incident Energy (eV)

29-Cu-63

27

MAT 2925 (n,d) Cross Section 29-Cu-63 -37.94 To 9999. %



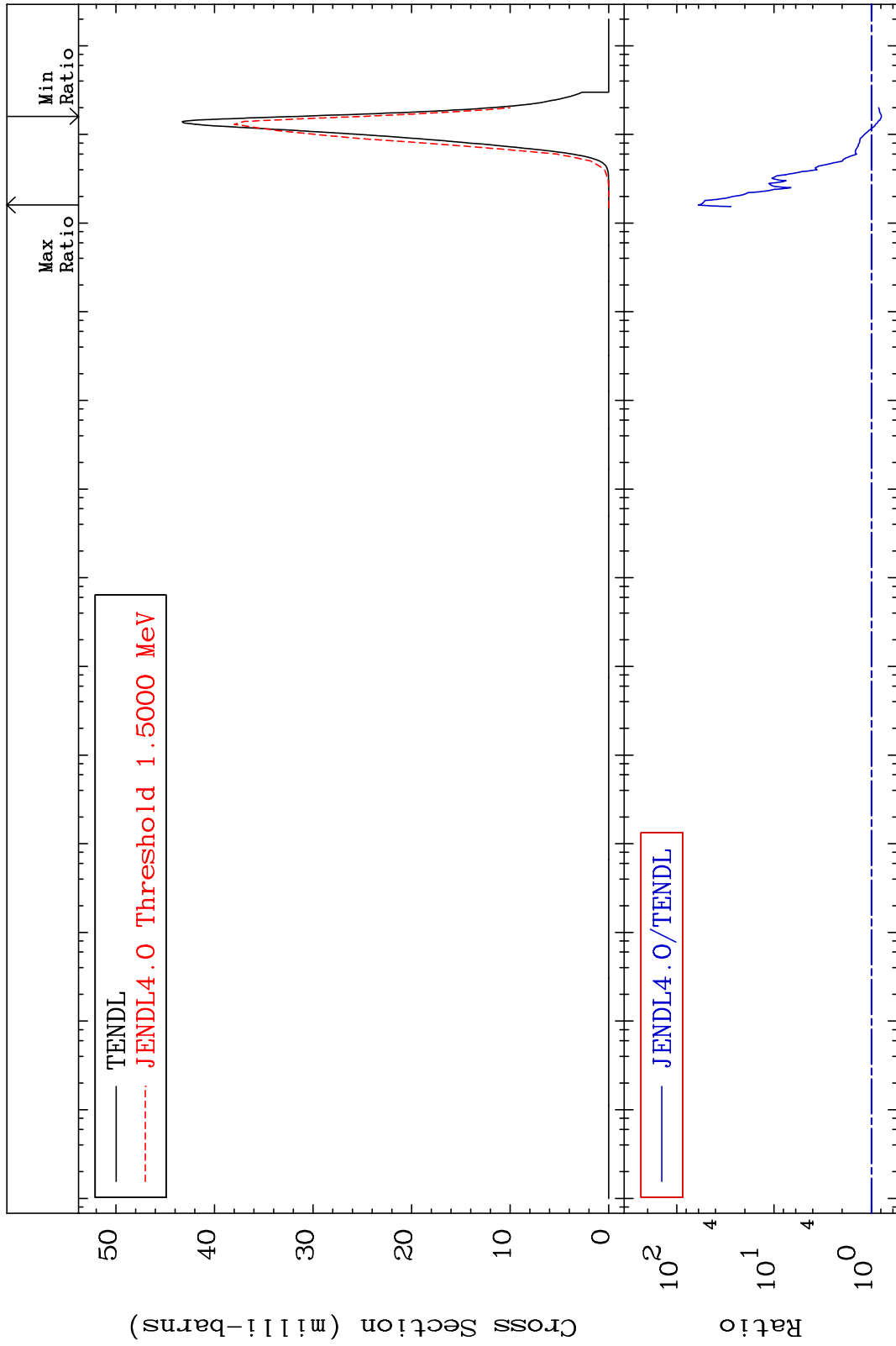
MAT 2925

(n,  $\alpha$ )

29-Cu-63

Cross Section

-21.50 To 5908. %



29

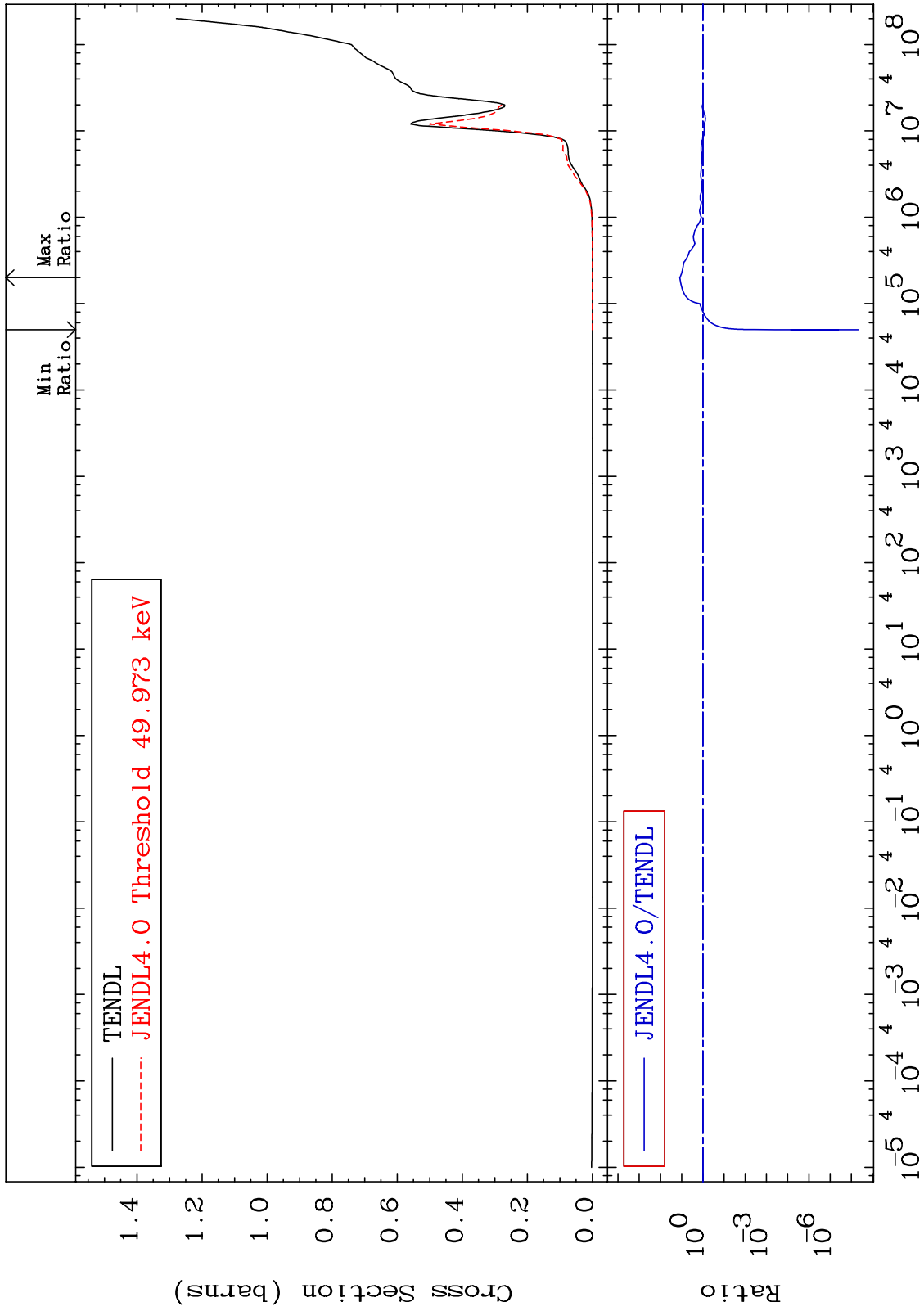
Incident Energy (eV)

29-Cu-63

MAT 2925

### Hydrogen Production Cross Section

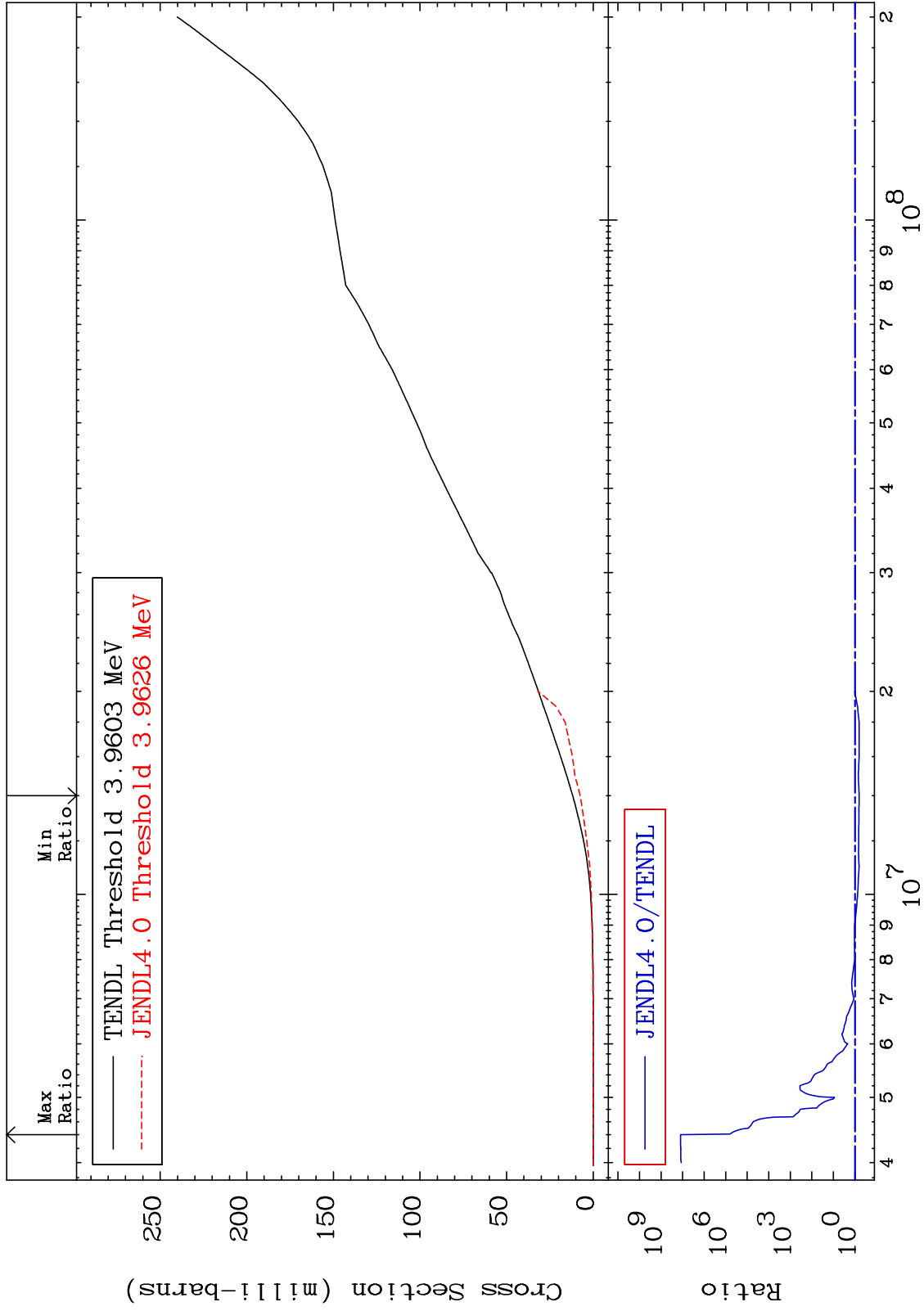
29-Cu-63  
-100.0 To 1119. %



MAT 2925

Deuterium Production  
Cross Section

29-Cu-63  
-36.74 To 9999. %

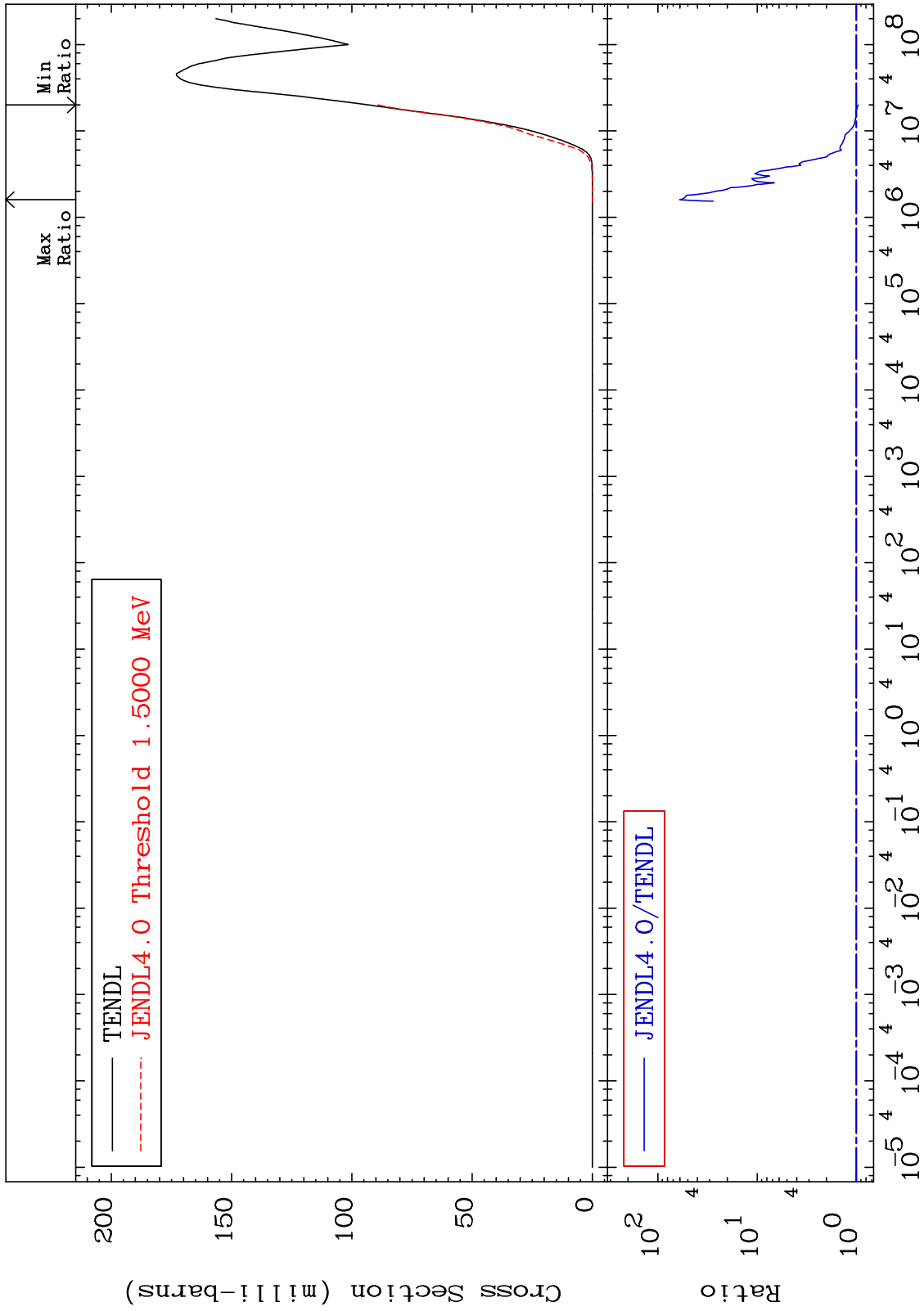




MAT 2925

He-4 Production  
Cross Section

29-Cu-63  
-4.372 To 5908. %



32

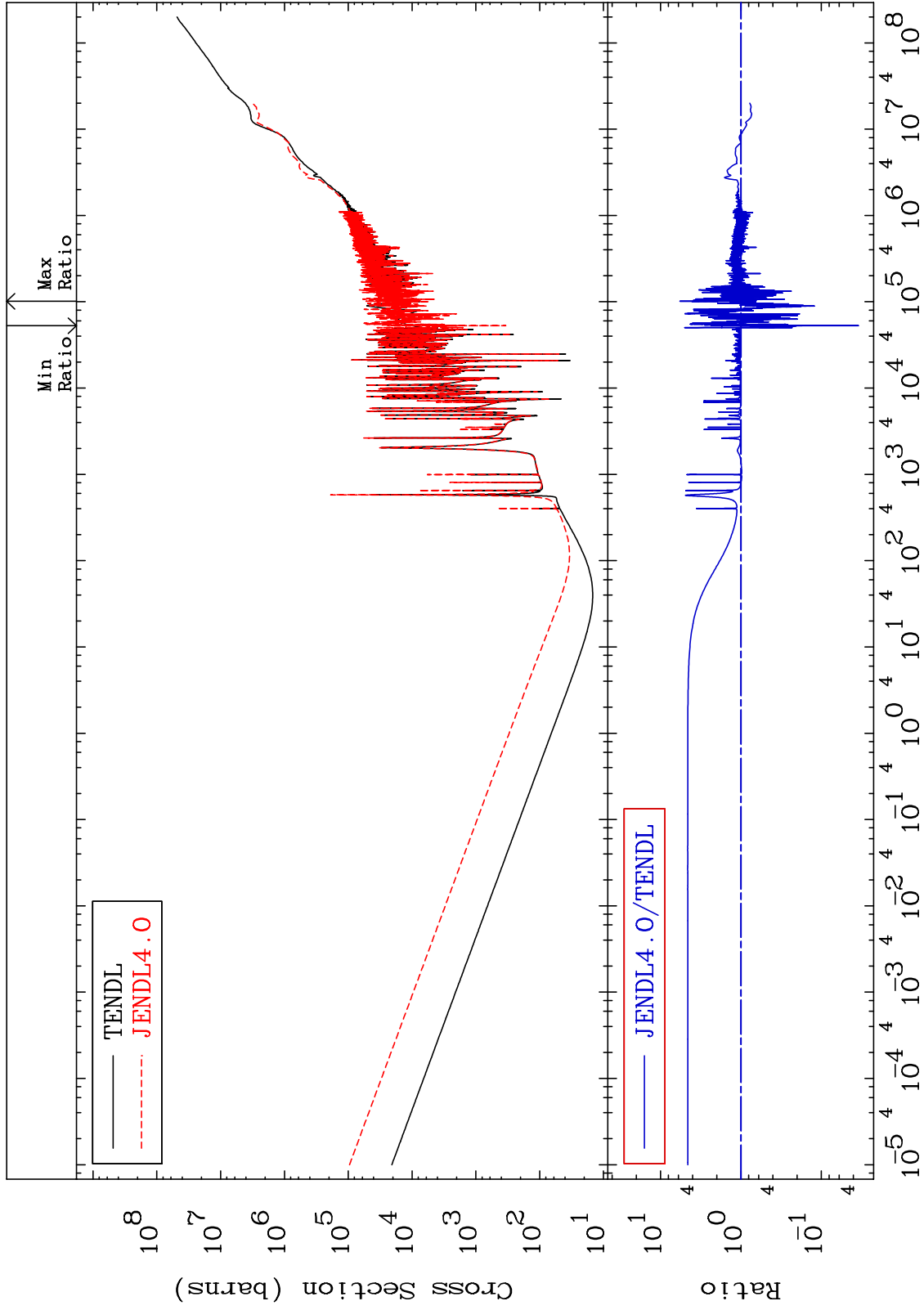
Incident Energy (eV)

29-Cu-63

MAT 2925

Kerma total (eV-barns)  
Cross Section

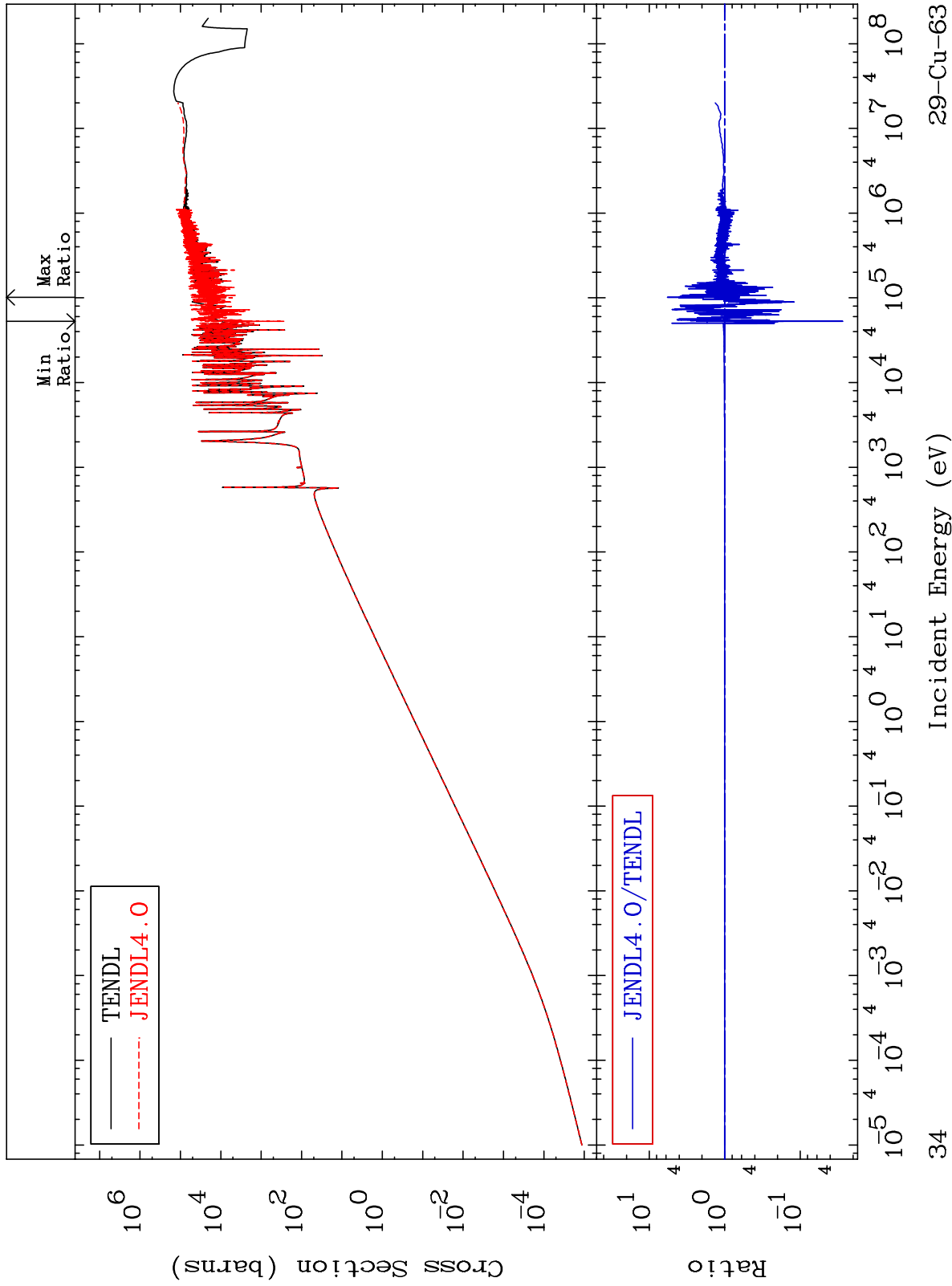
29-Cu-63  
-96.55 To 472.7 %



MAT 2925

Kerma elastic  
Cross Section

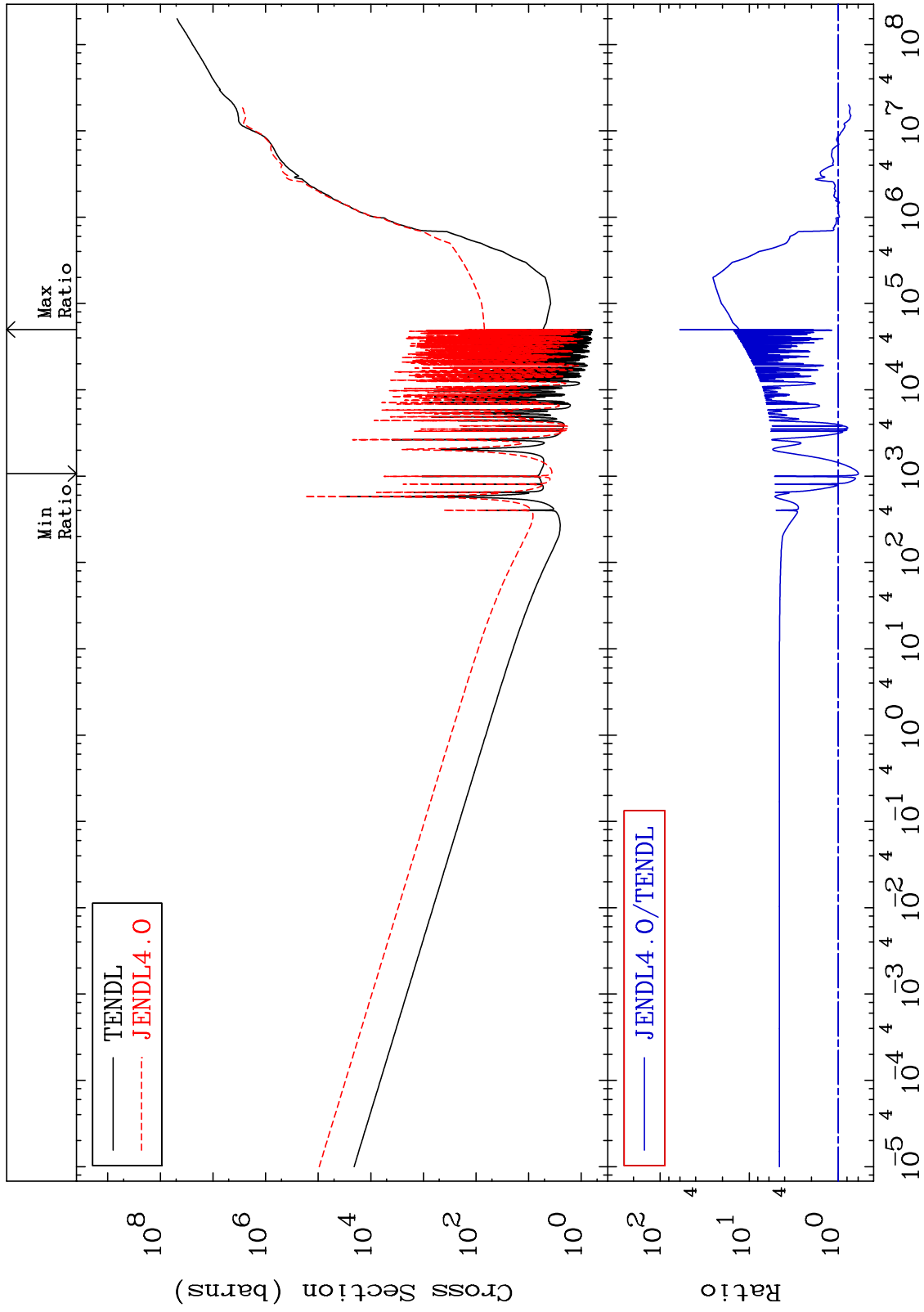
29-Cu-63  
-97.26 To 472.1 %



MAT 2925

Kerma non-elastic (all but mt2)  
Cross Section

29-Cu-63  
-40.50 To 5892. %



35

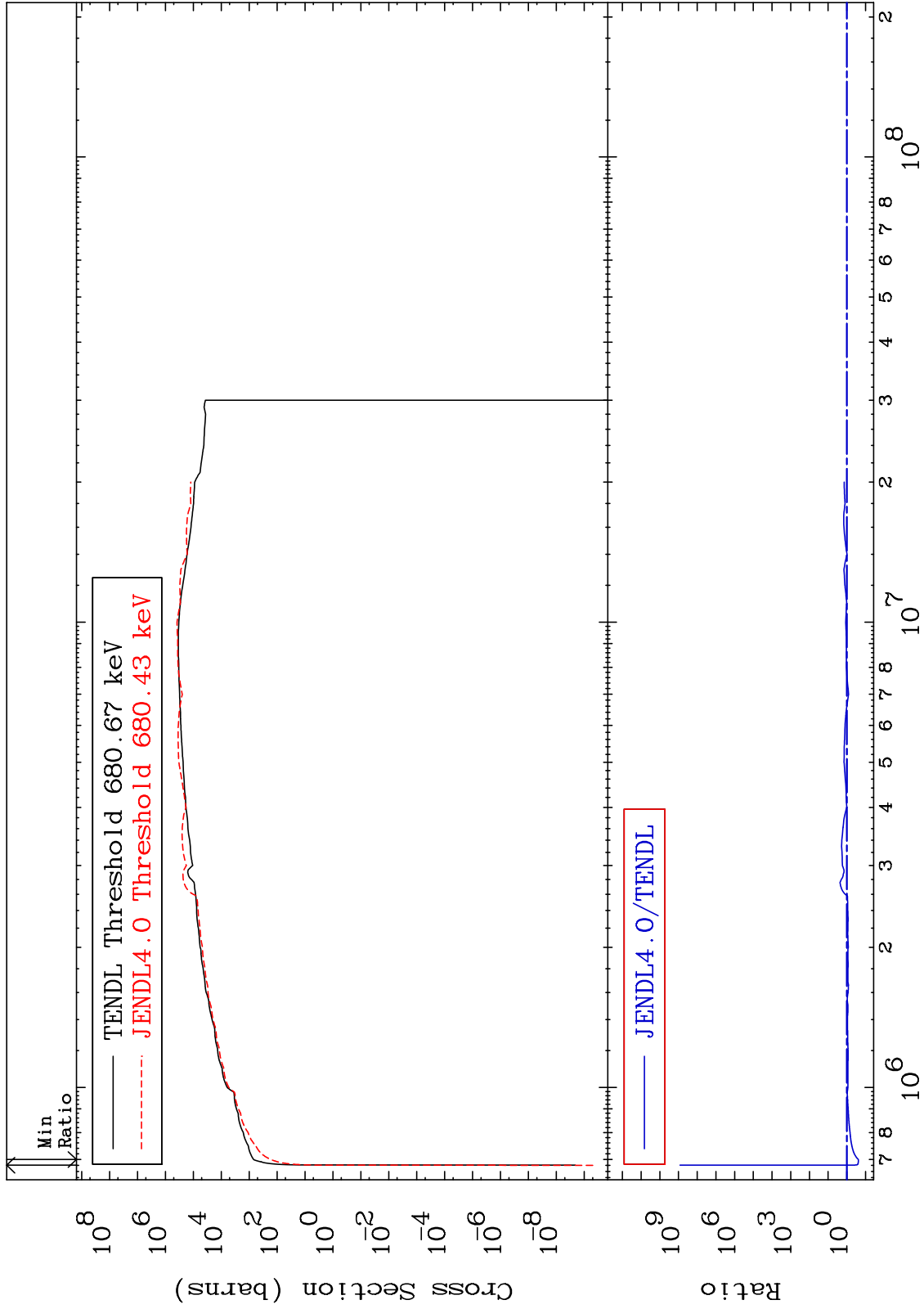
Incident Energy (eV)

29-Cu-63

MAT 2925

Kerma inelastic (mt51-91)  
Cross Section

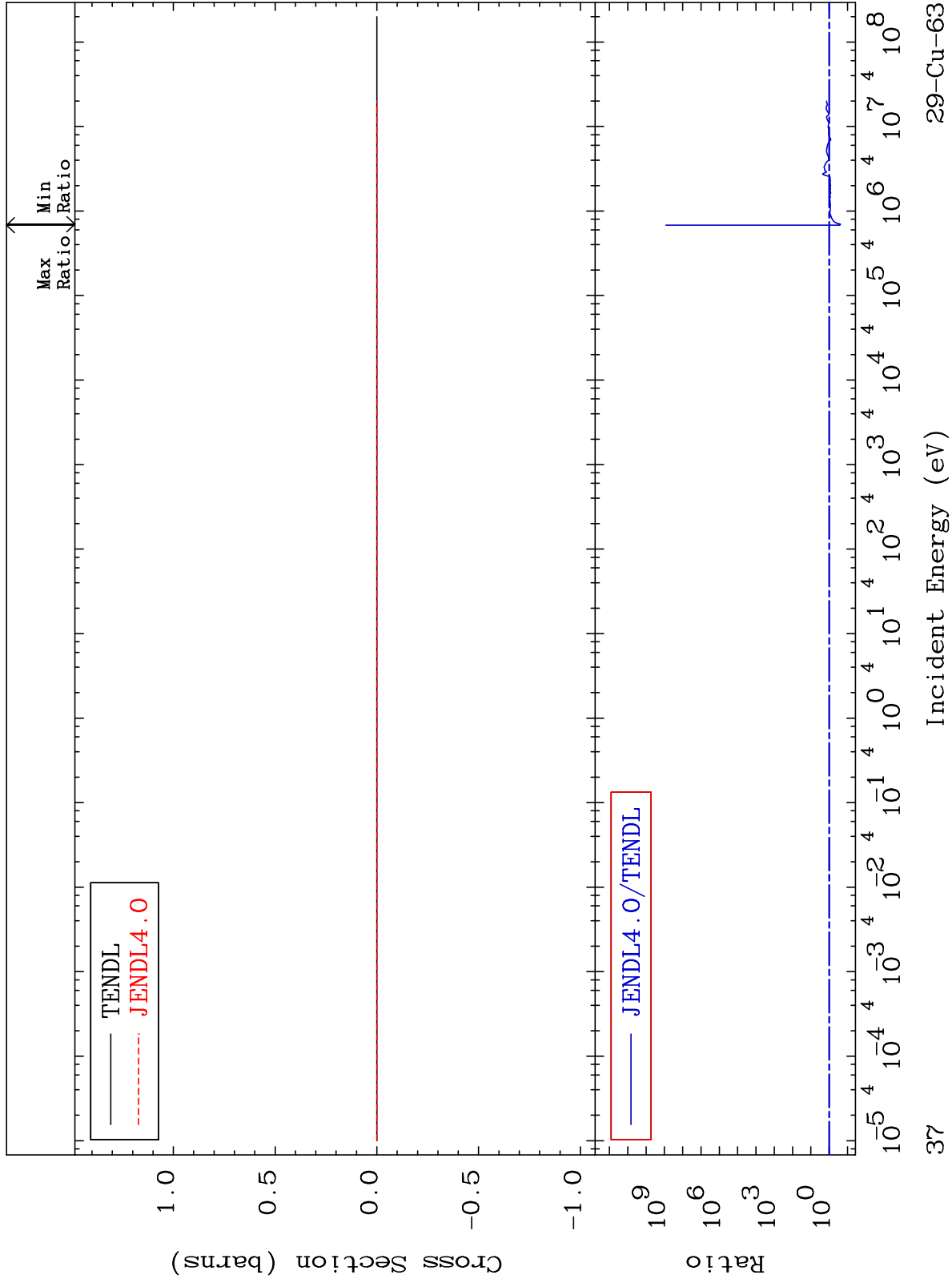
29-Cu-63  
-76.02 To 9999. %



MAT 2925

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

29-Cu-63  
-76.02 To 9999. %



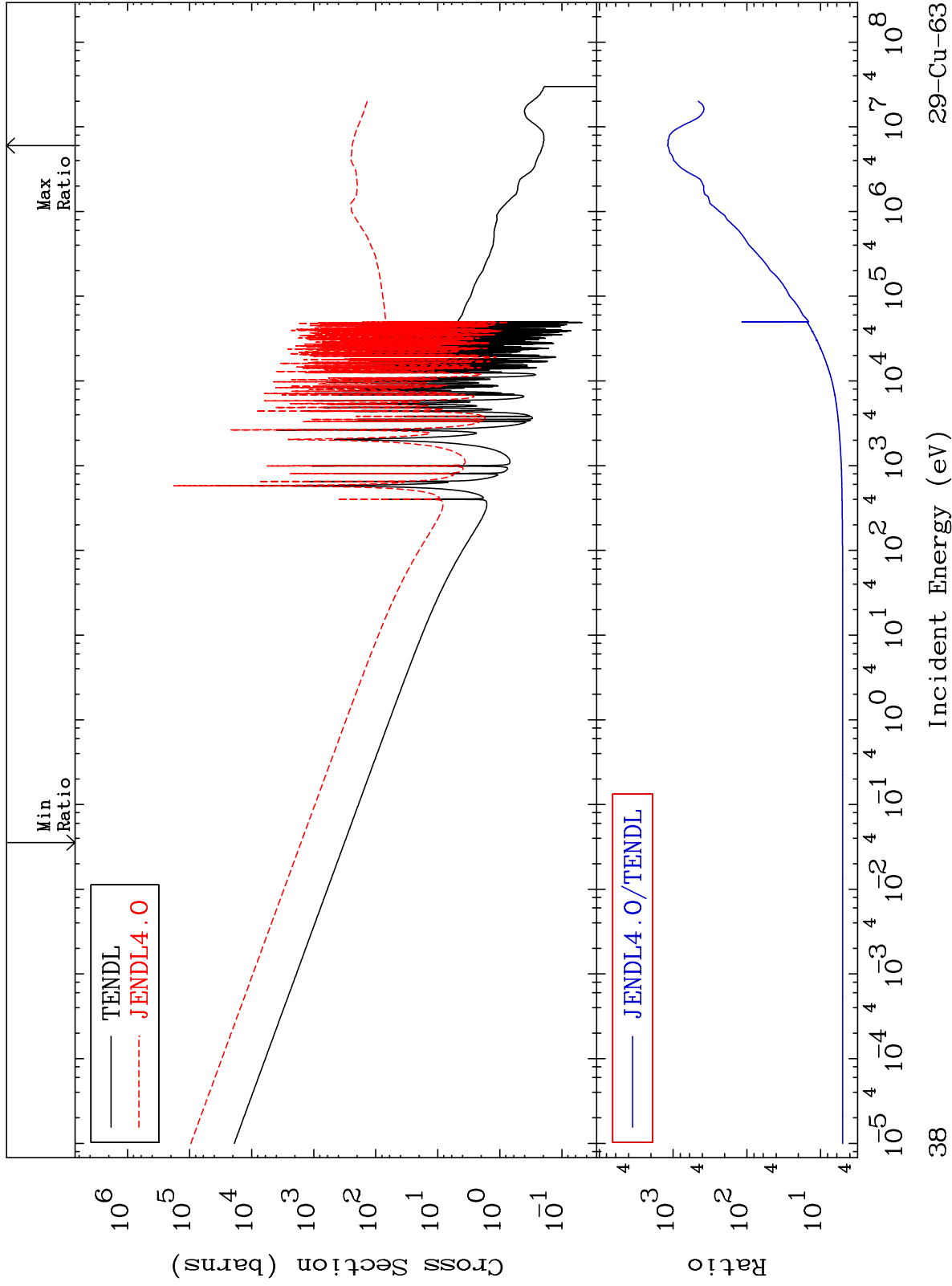
37

29-Cu-63

MAT 2925

Kerma capture (mt102)  
Cross Section

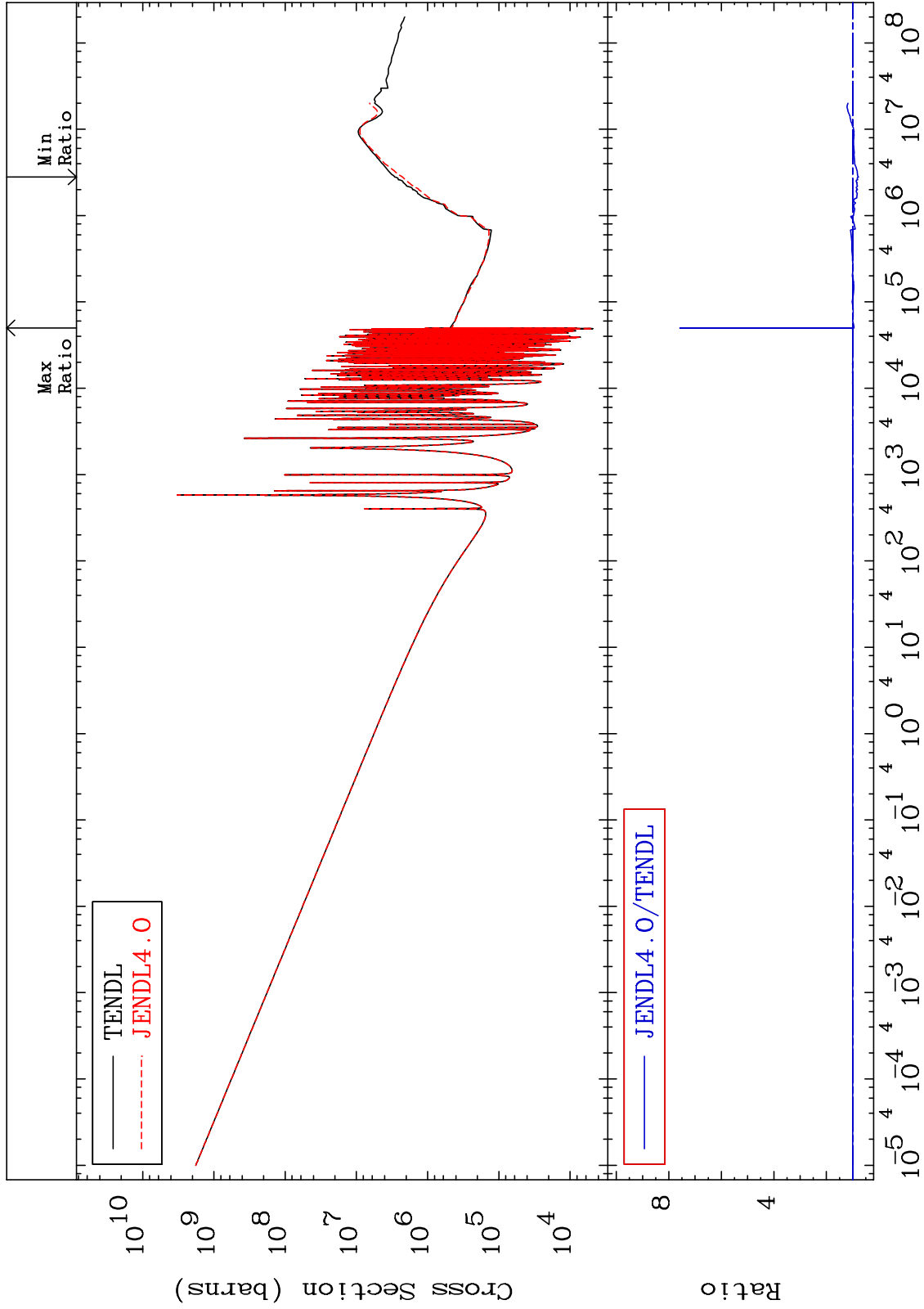
29-Cu-63  
401.4 To 9999. %



MAT 2925

Total photon (eV-barns)  
Cross Section

29-Cu-63  
-22.00 To 657.4 %



39

Incident Energy (eV)

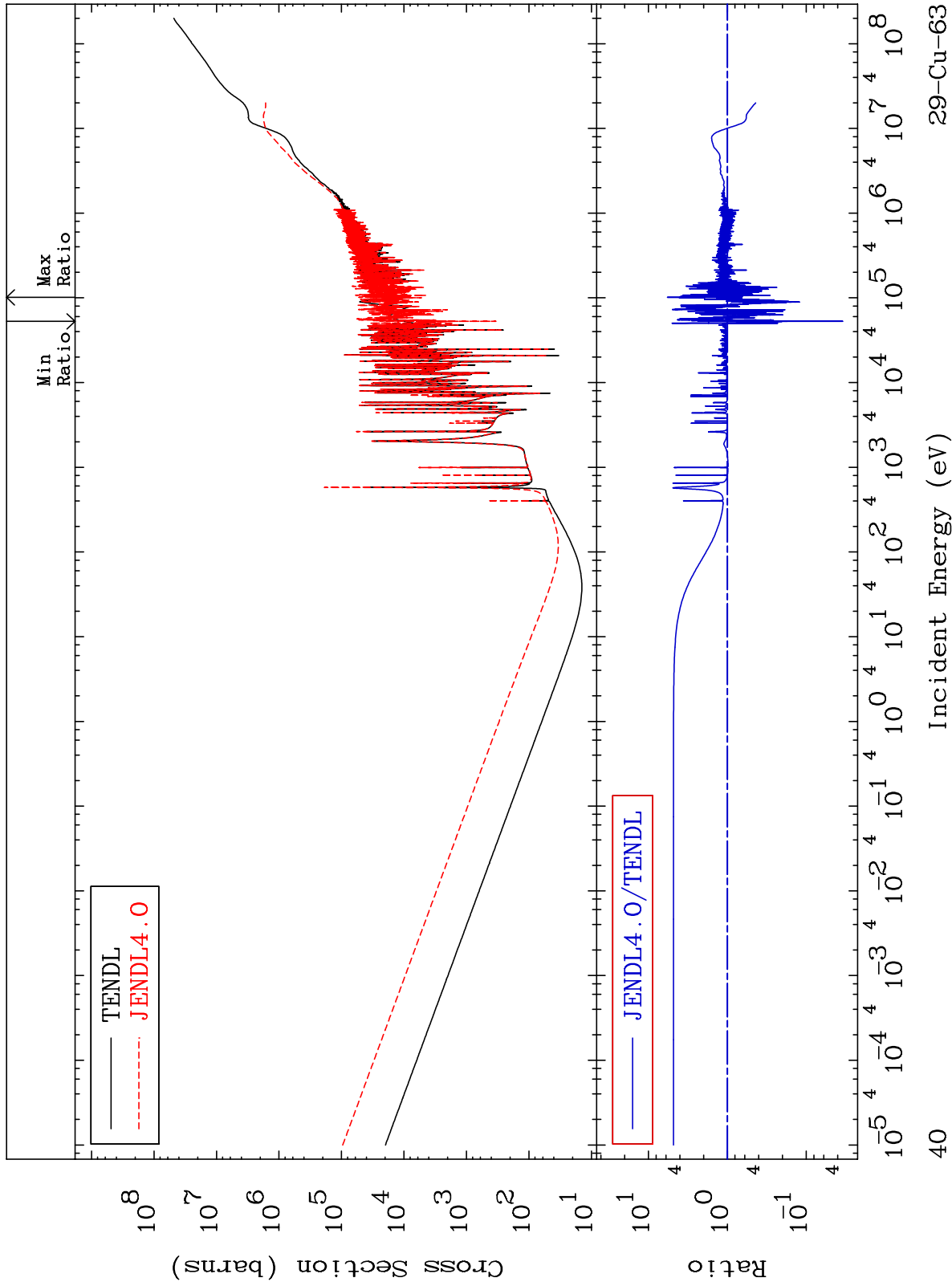
29-Cu-63



MAT 2925

Total kinematic kerma (high limit)  
Cross Section

29-Cu-63  
-96.55 To 472.7 %



40

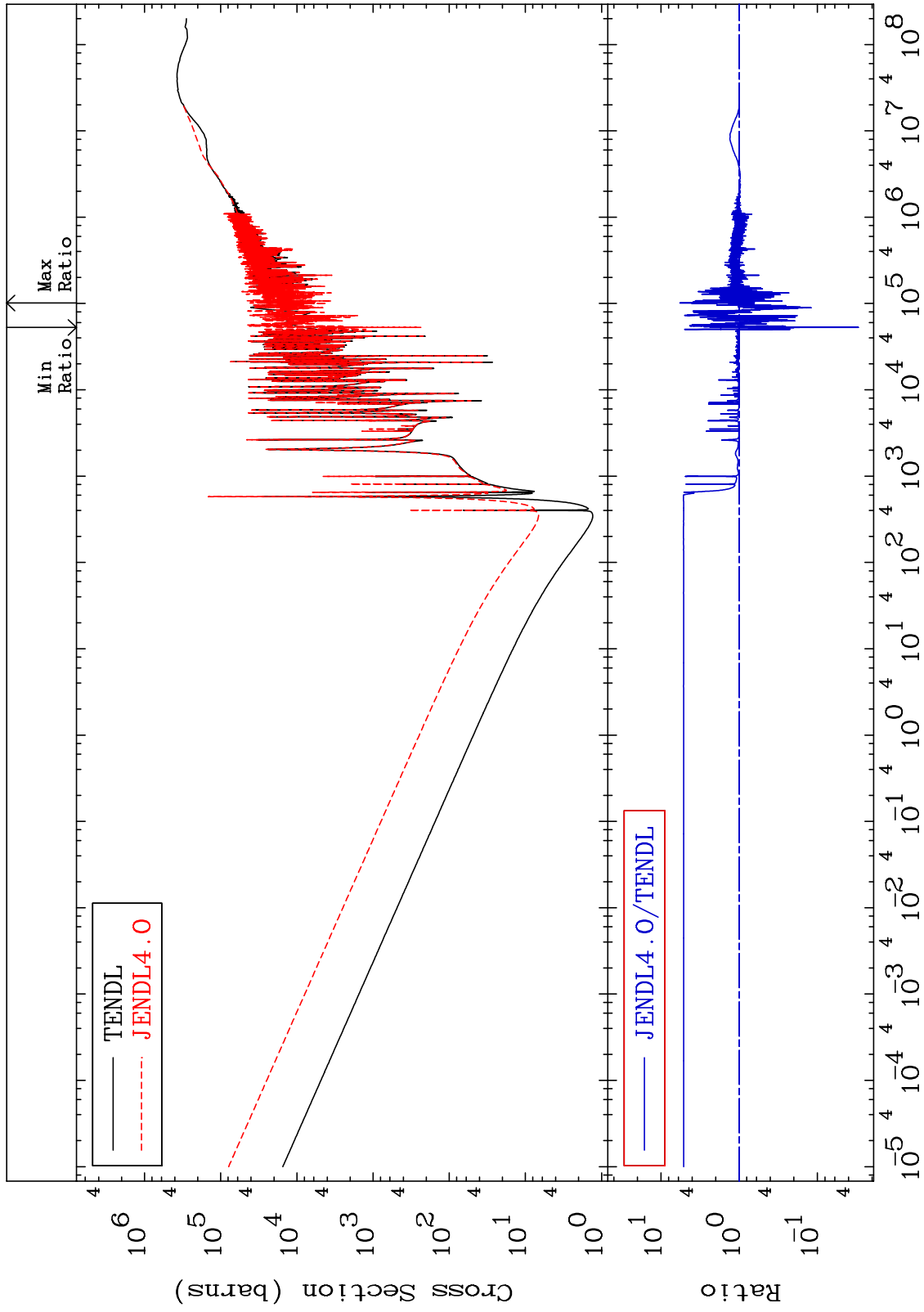
Incident Energy (eV)

29-Cu-63

MAT 2925

Dpa total (eV-barns)  
Cross Section

29-Cu-63  
-97.01 To 471.1 %



41

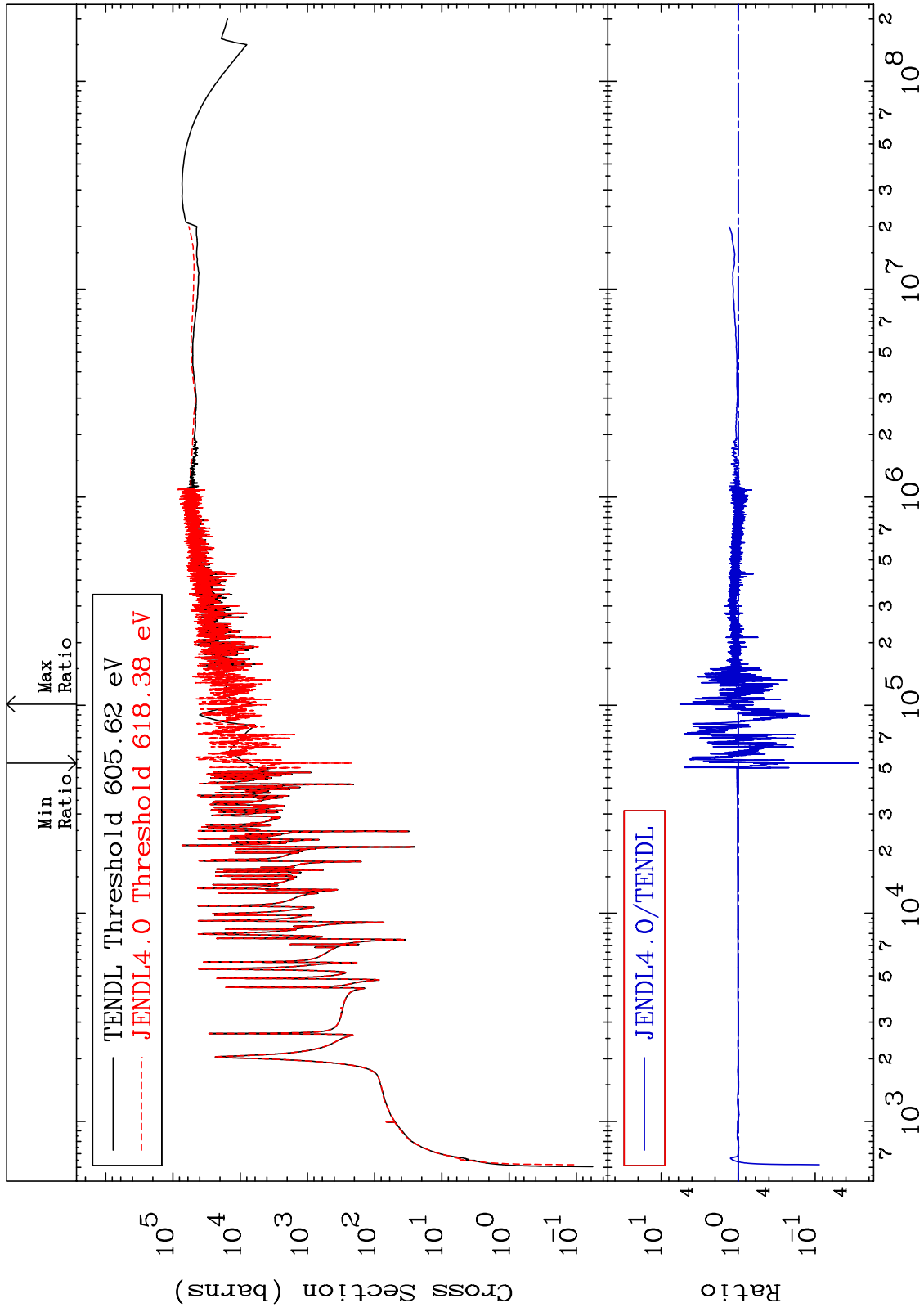
Incident Energy (eV)

29-Cu-63

MAT 2925

Dpa elastic (mt2)  
Cross Section

29-Cu-63  
-97.26 To 471.1 %



42

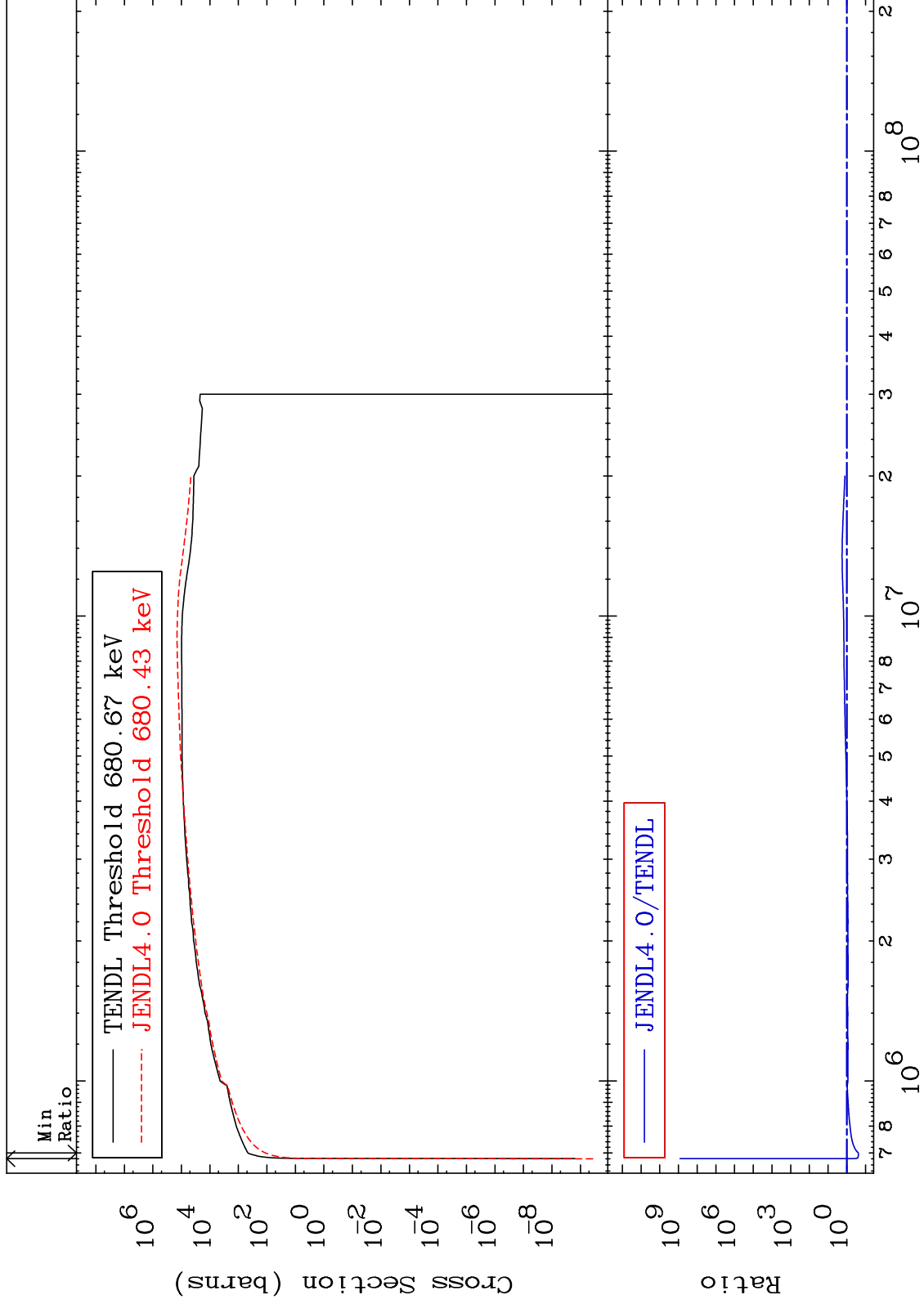
Incident Energy (eV)

29-Cu-63

MAT 2925

Dpa inelastic (mt51-91)  
Cross Section

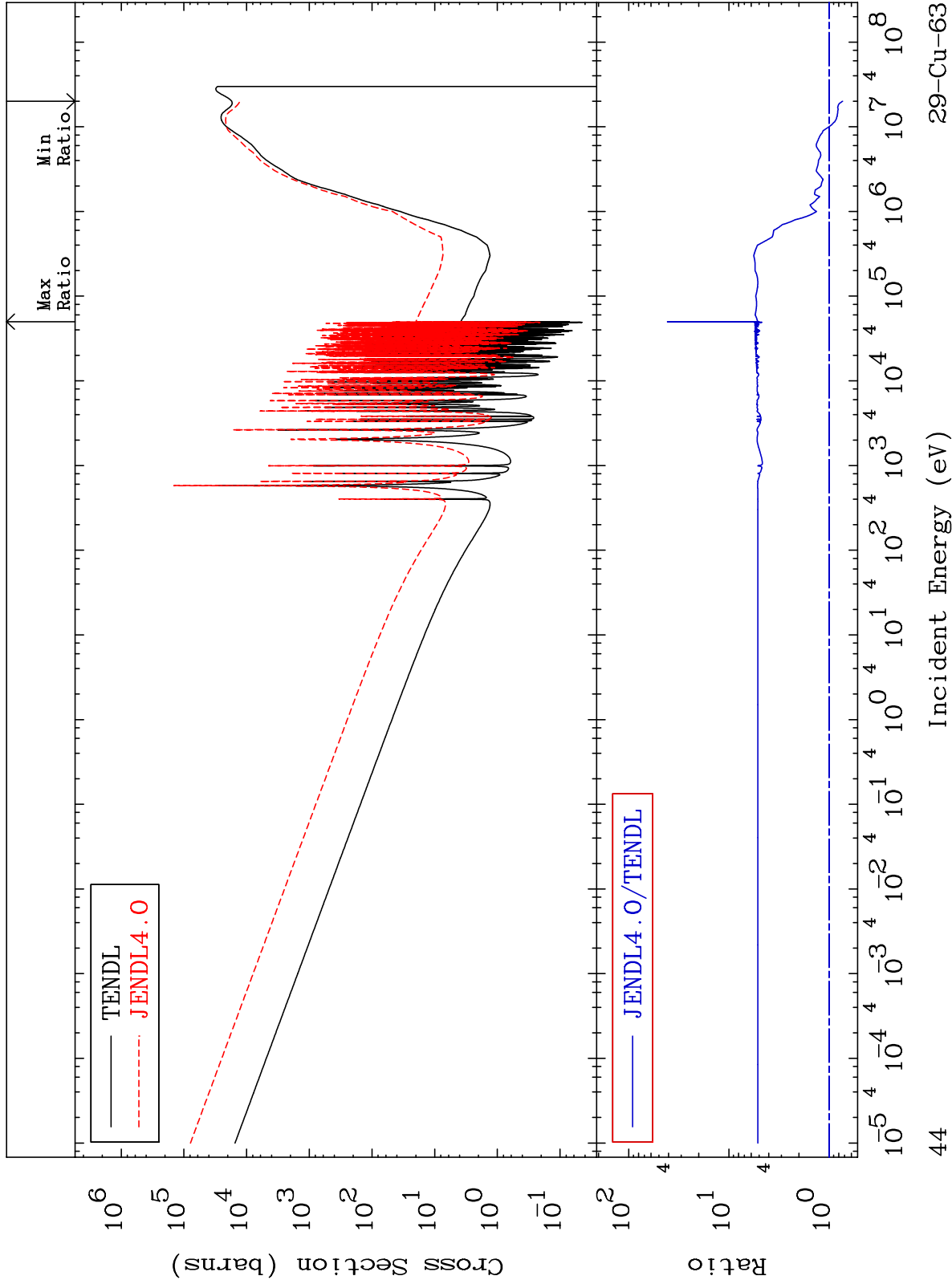
29-Cu-63  
-76.04 To 9999. %



MAT 2925

Dpa disappearance (mt102 -120)  
Cross Section

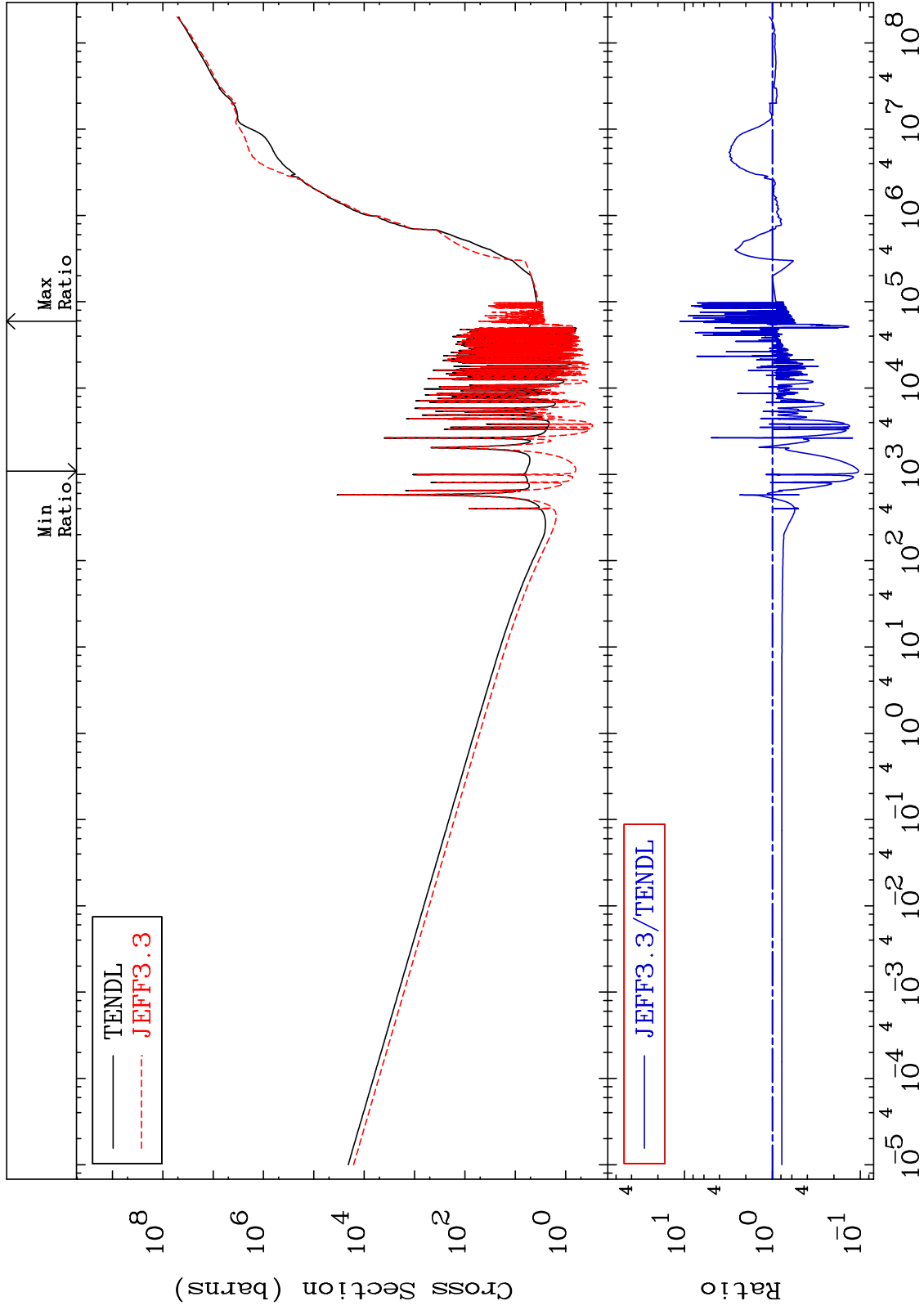
29-Cu-63  
-26.83 To 4001. %



MAT 2925

Kerma non-elastic (all but mt2)  
Cross Section

29-Cu-63  
-89.48 To 1023. %



45

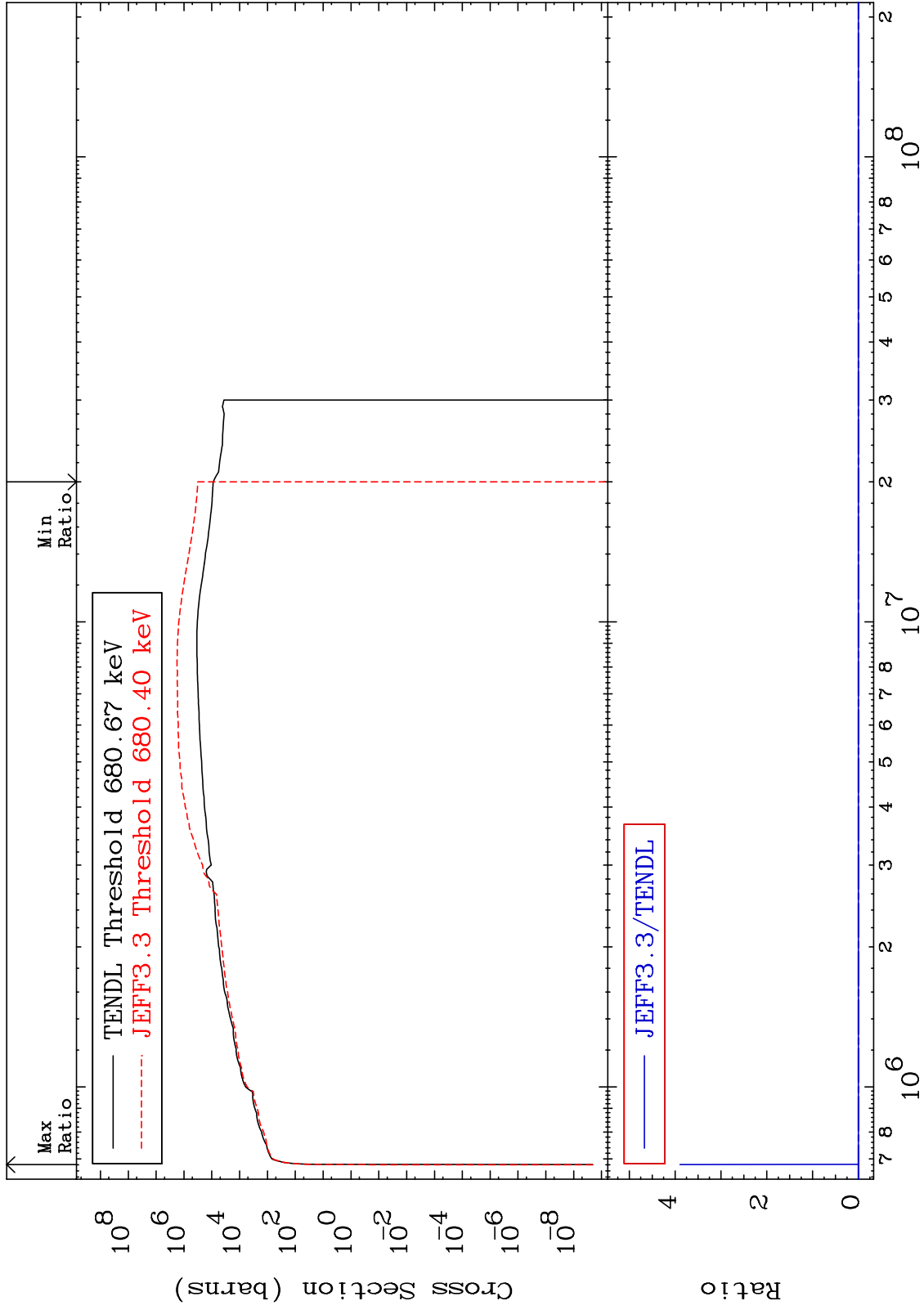
Incident Energy (eV)

29-Cu-63

MAT 2925

Kerma inelastic (mt51-91)  
Cross Section

29-Cu-63  
-100.0 To 9999. %



46

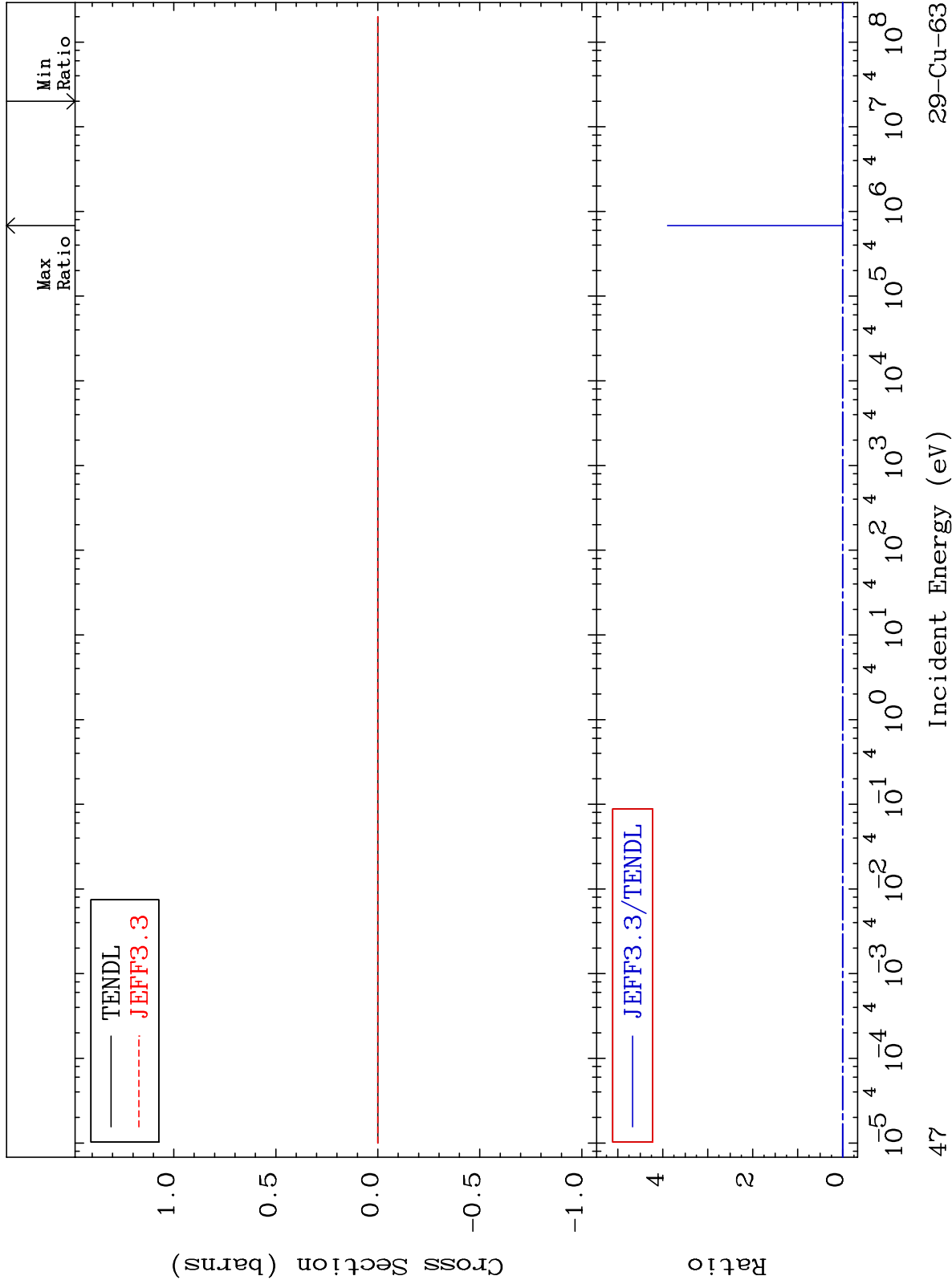
Incident Energy (eV)

29-Cu-63

MAT 2925

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

29-Cu-63  
-100.0 To 9999. %



47

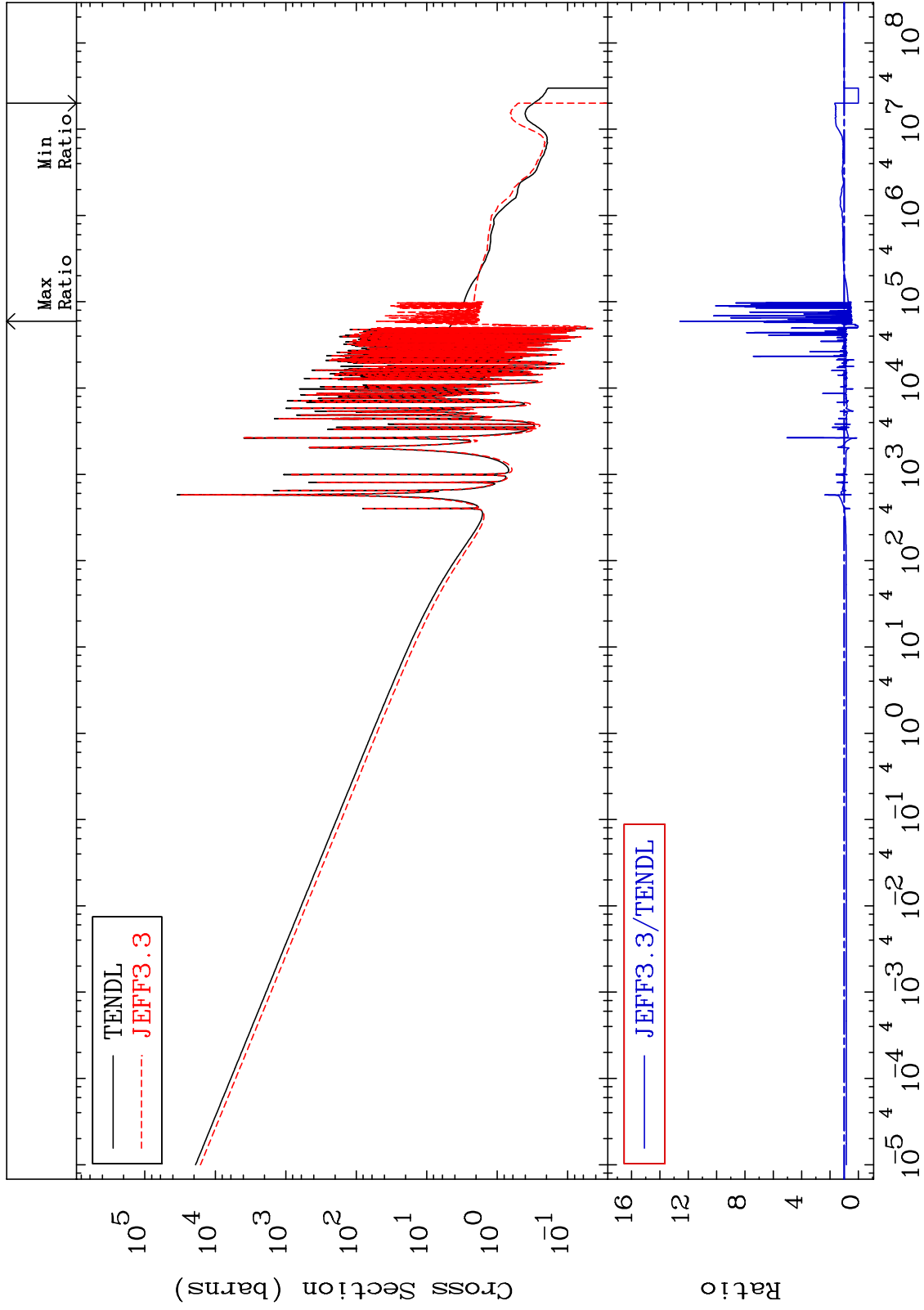
29-Cu-63



MAT 2925

Kerma capture (mt102)  
Cross Section

29-Cu-63  
-100.0 To 1158. %



48

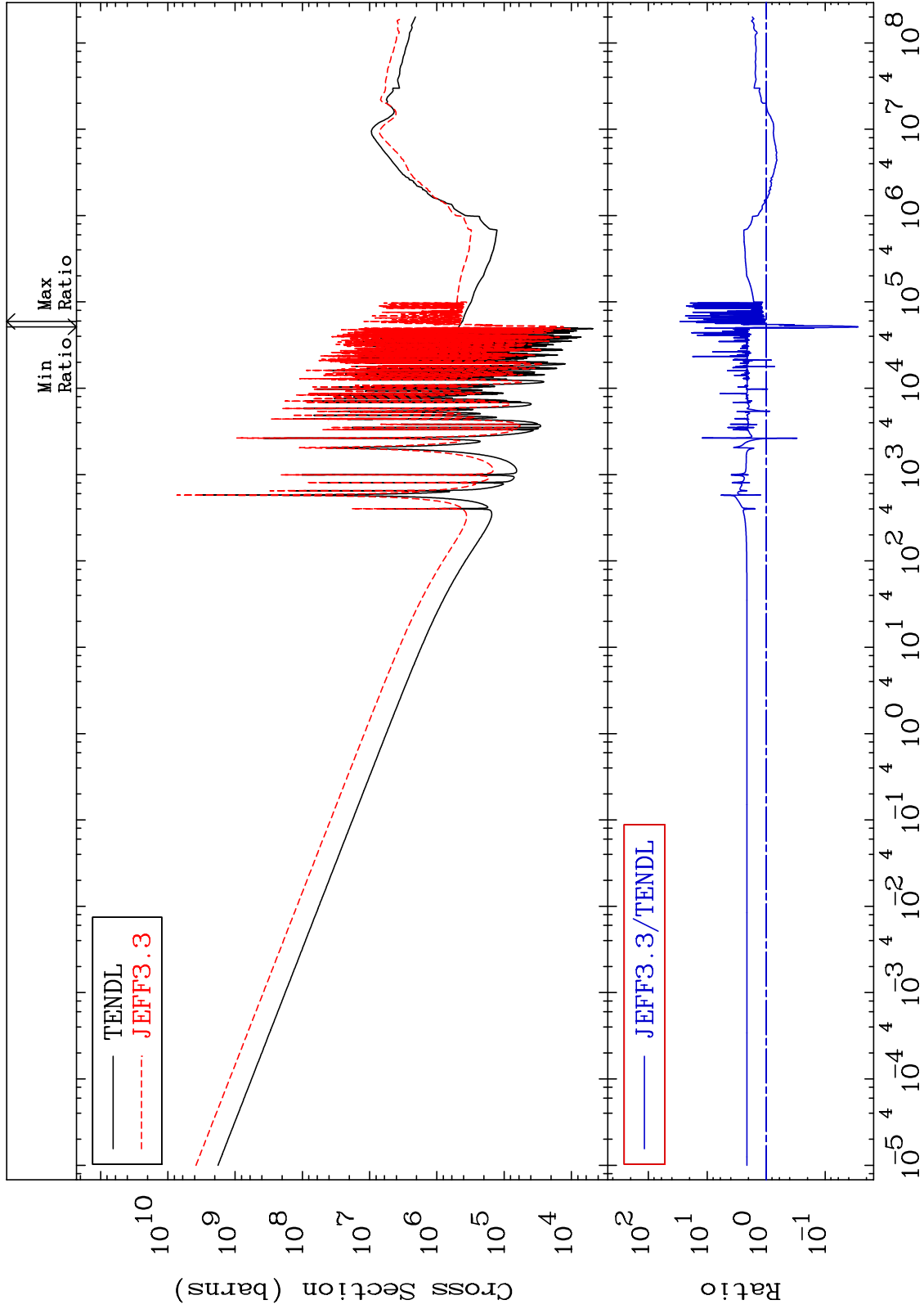
Incident Energy (eV)

29-Cu-63

MAT 2925

Total photon (eV-barns)  
Cross Section

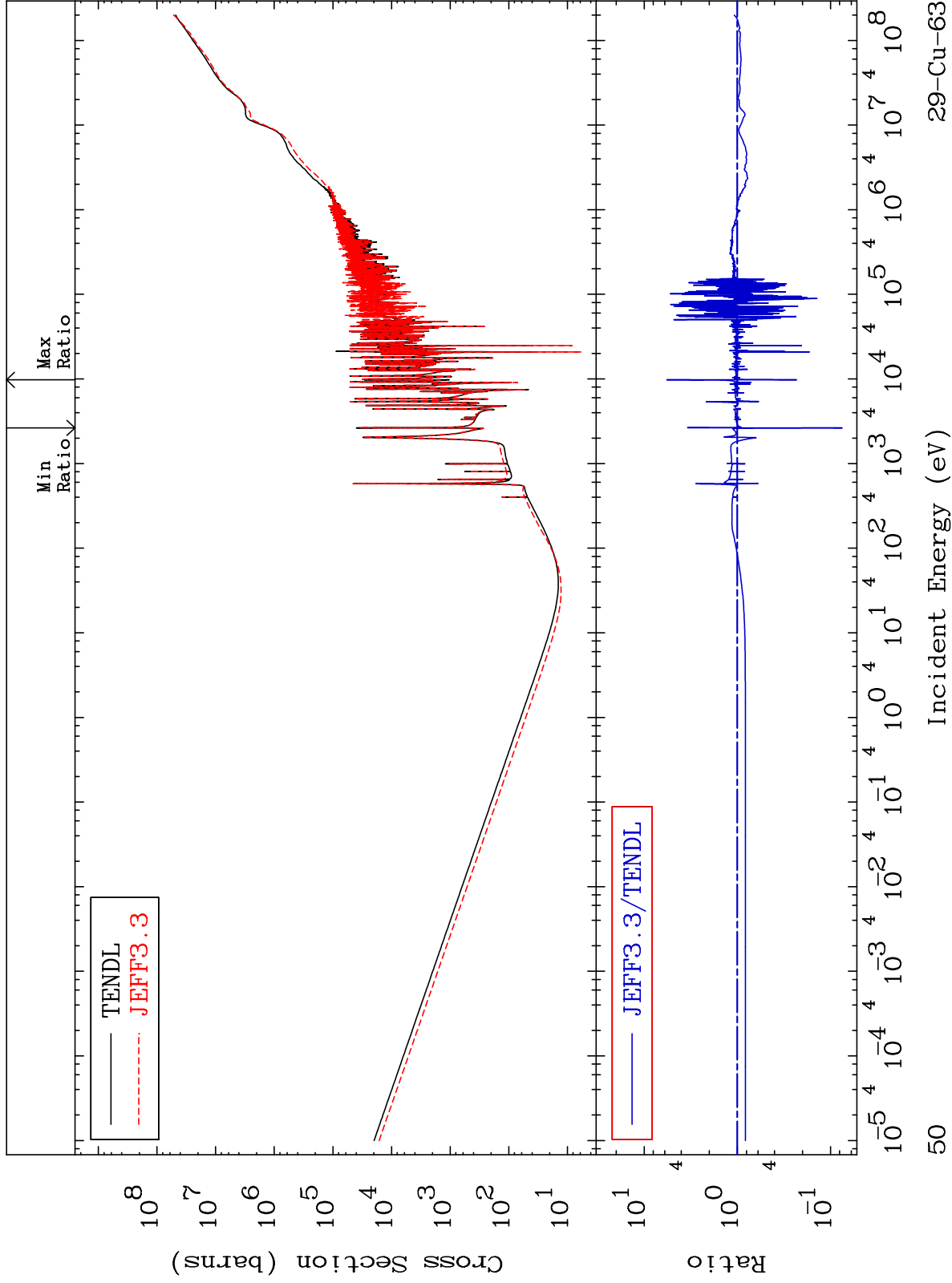
29-Cu-63  
-97.26 To 2802. %



MAT 2925

Total kinematic kerma (high limit)  
Cross Section

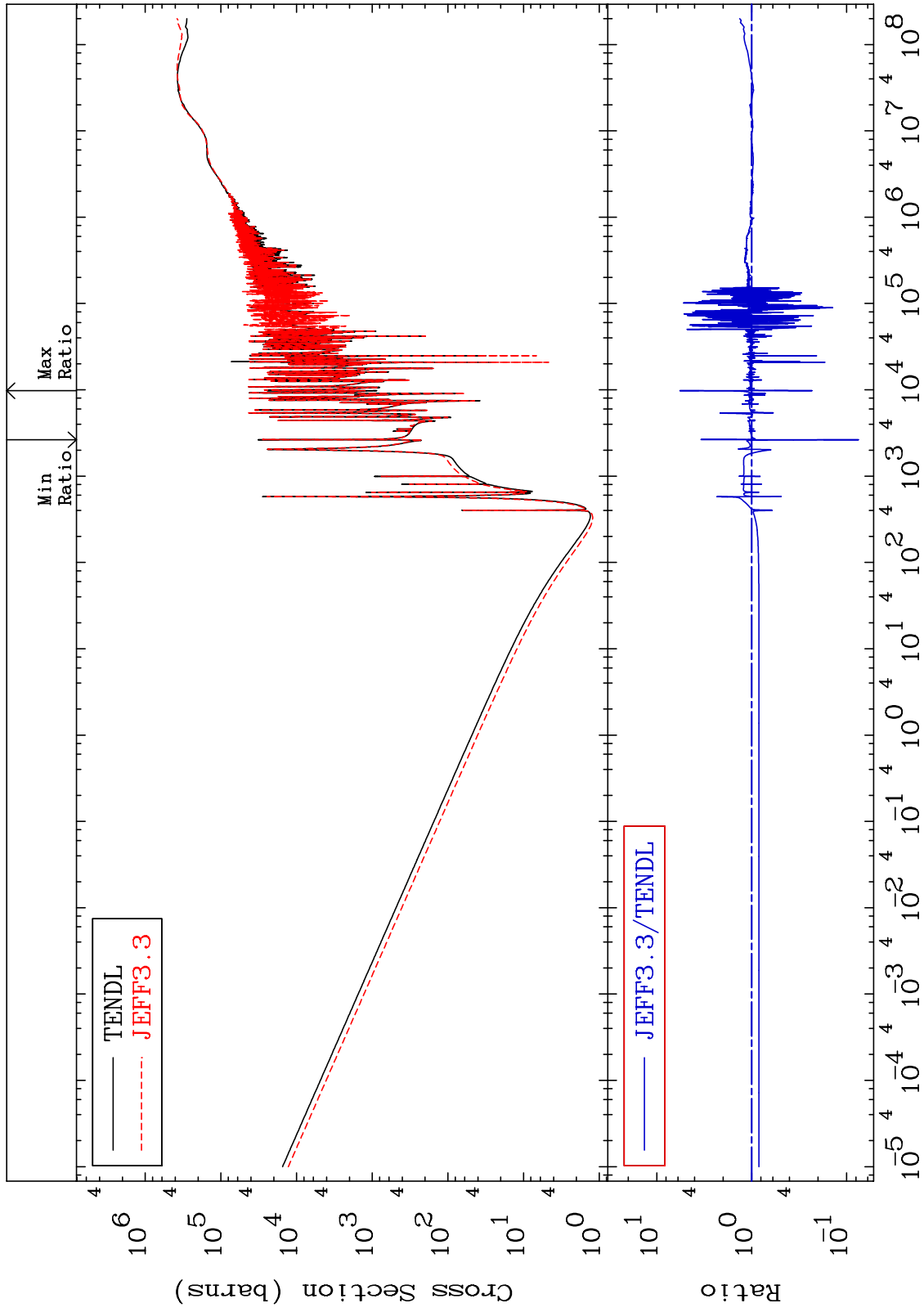
29-Cu-63  
-92.46 To 469.4 %



MAT 2925

Dpa total (eV-barns)  
Cross Section

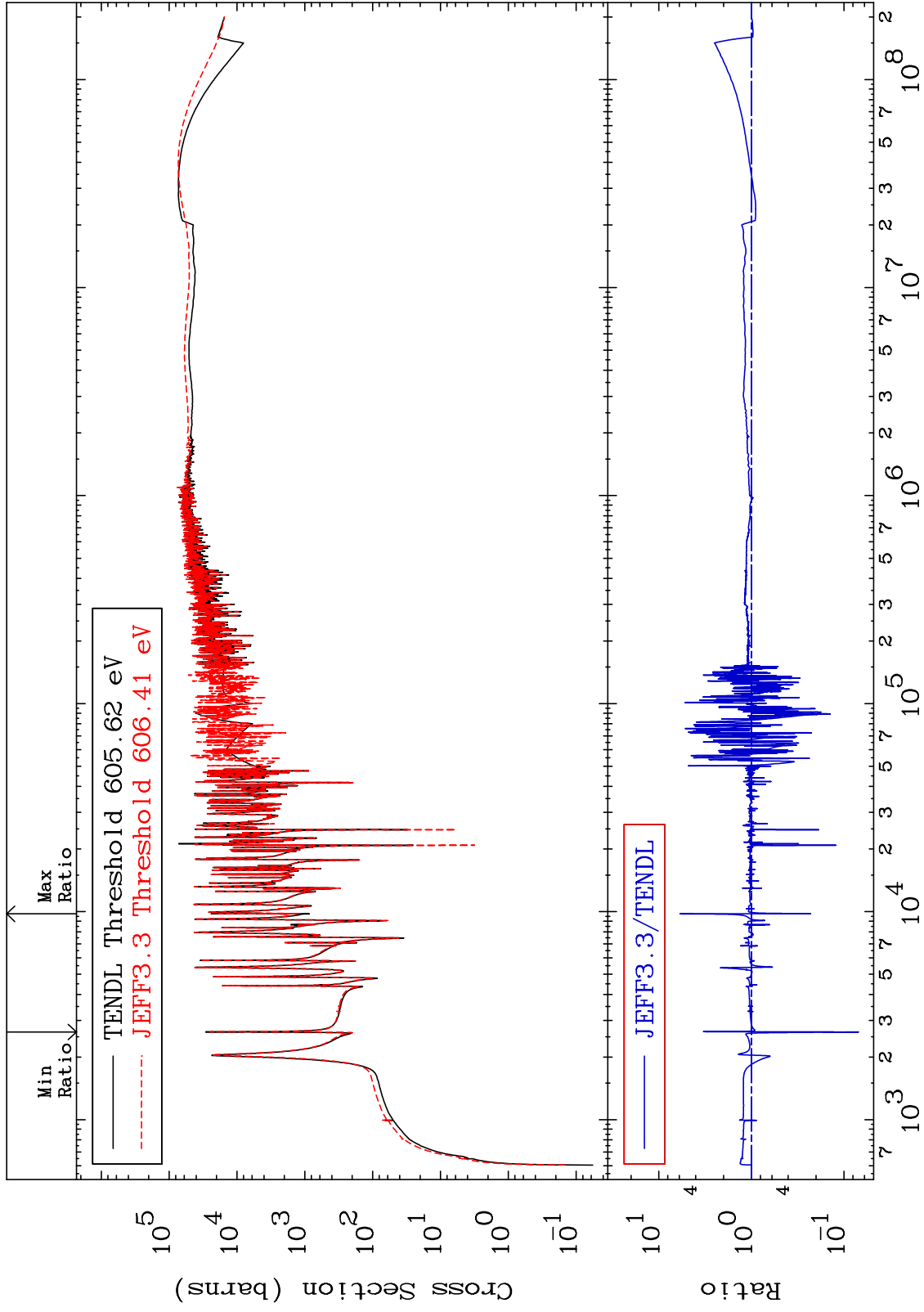
29-Cu-63  
-92.48 To 470.5 %



MAT 2925

Dpa elastic (mt2)  
Cross Section

29-Cu-63  
-93.02 To 490.7 %



52

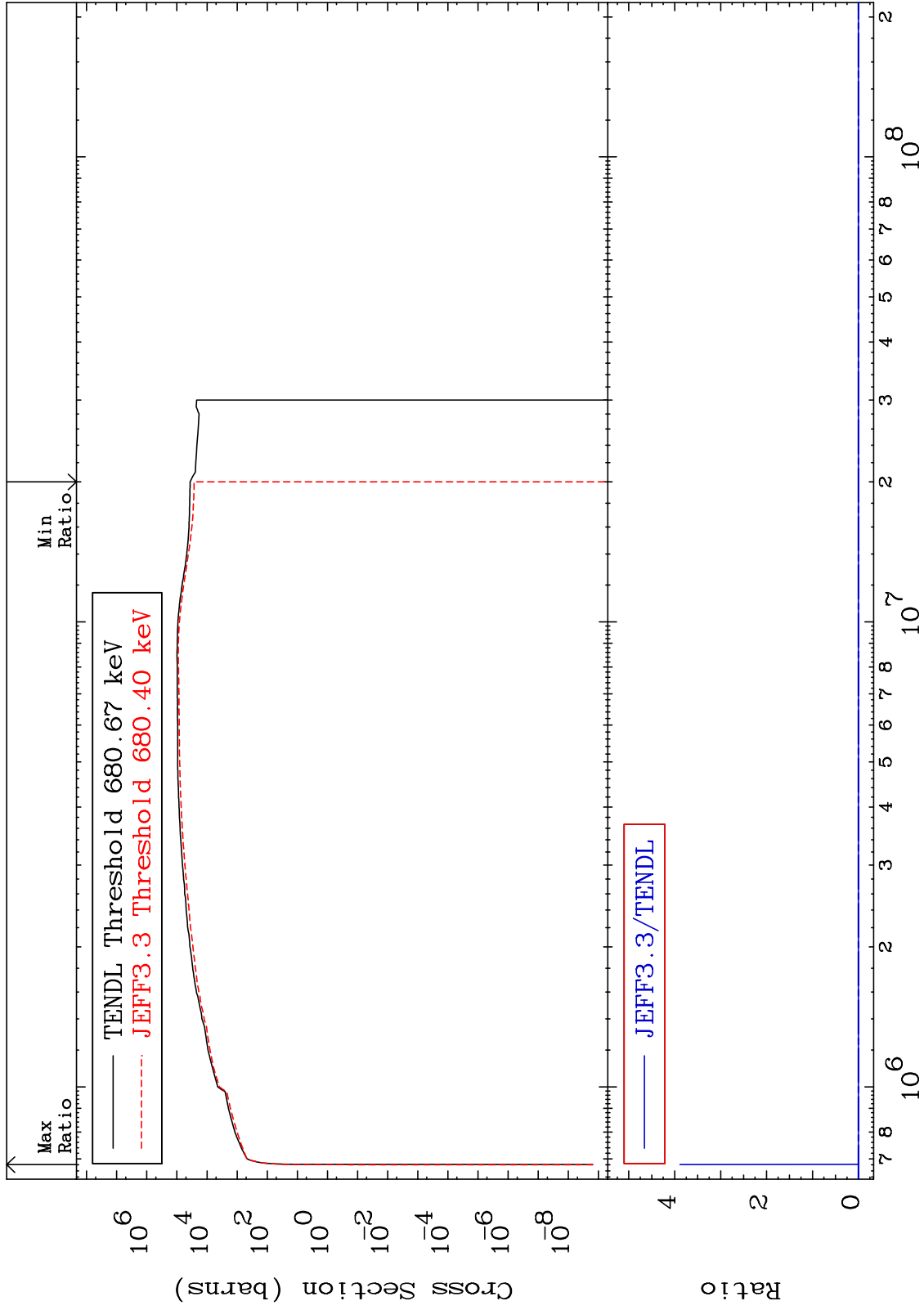
Incident Energy (eV)

29-Cu-63

MAT 2925

Dpa inelastic (mt51-91)  
Cross Section

29-Cu-63  
-100.0 To 9999. %



53

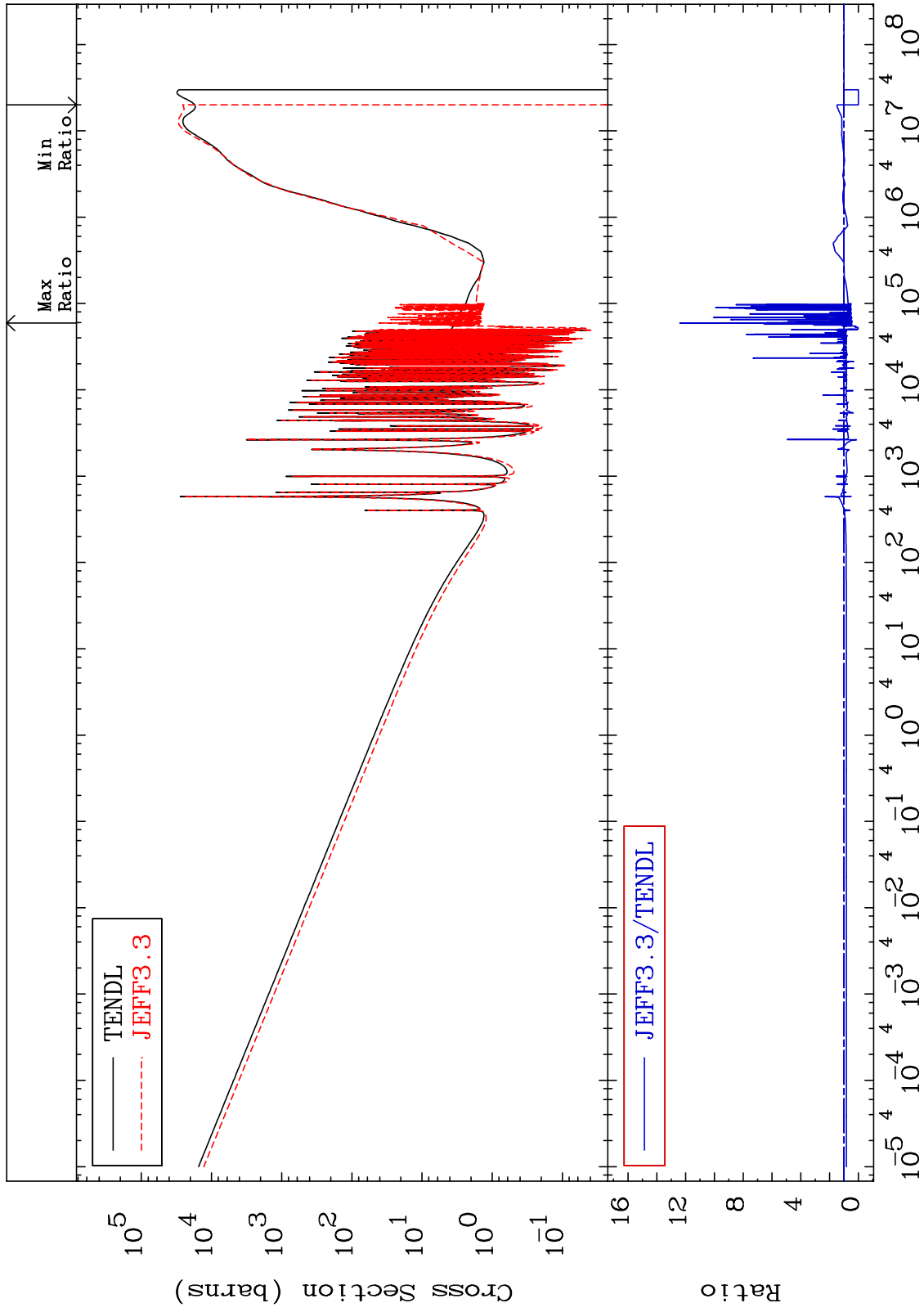
Incident Energy (eV)

29-Cu-63

MAT 2925

Dpa disappearance (mt102 -120)  
Cross Section

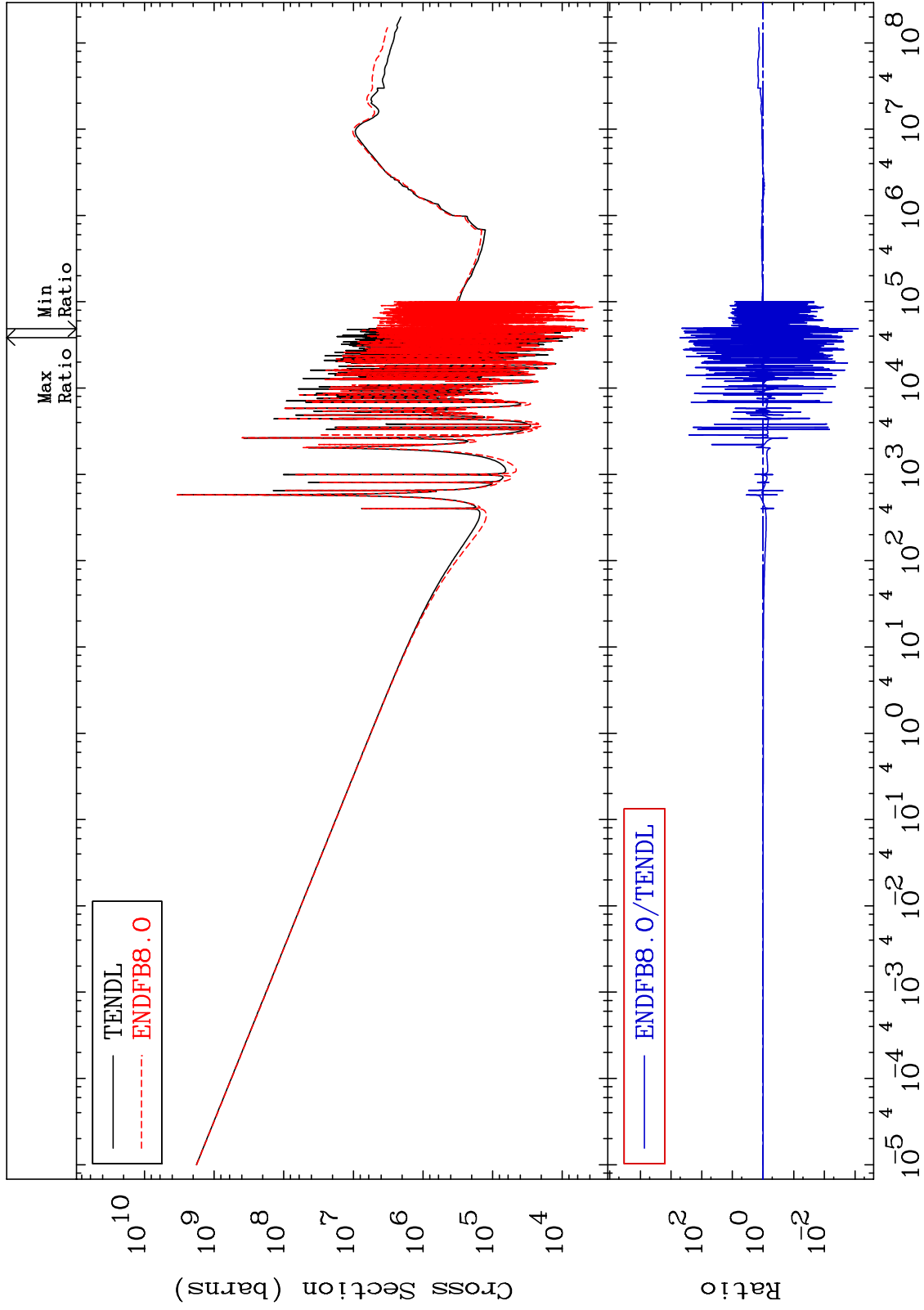
29-Cu-63  
-100.0 To 1138. %



MAT 2925

Total photon (eV-barns)  
Cross Section

29-Cu-63  
-99.92 To 9999. %



55

Incident Energy (eV)

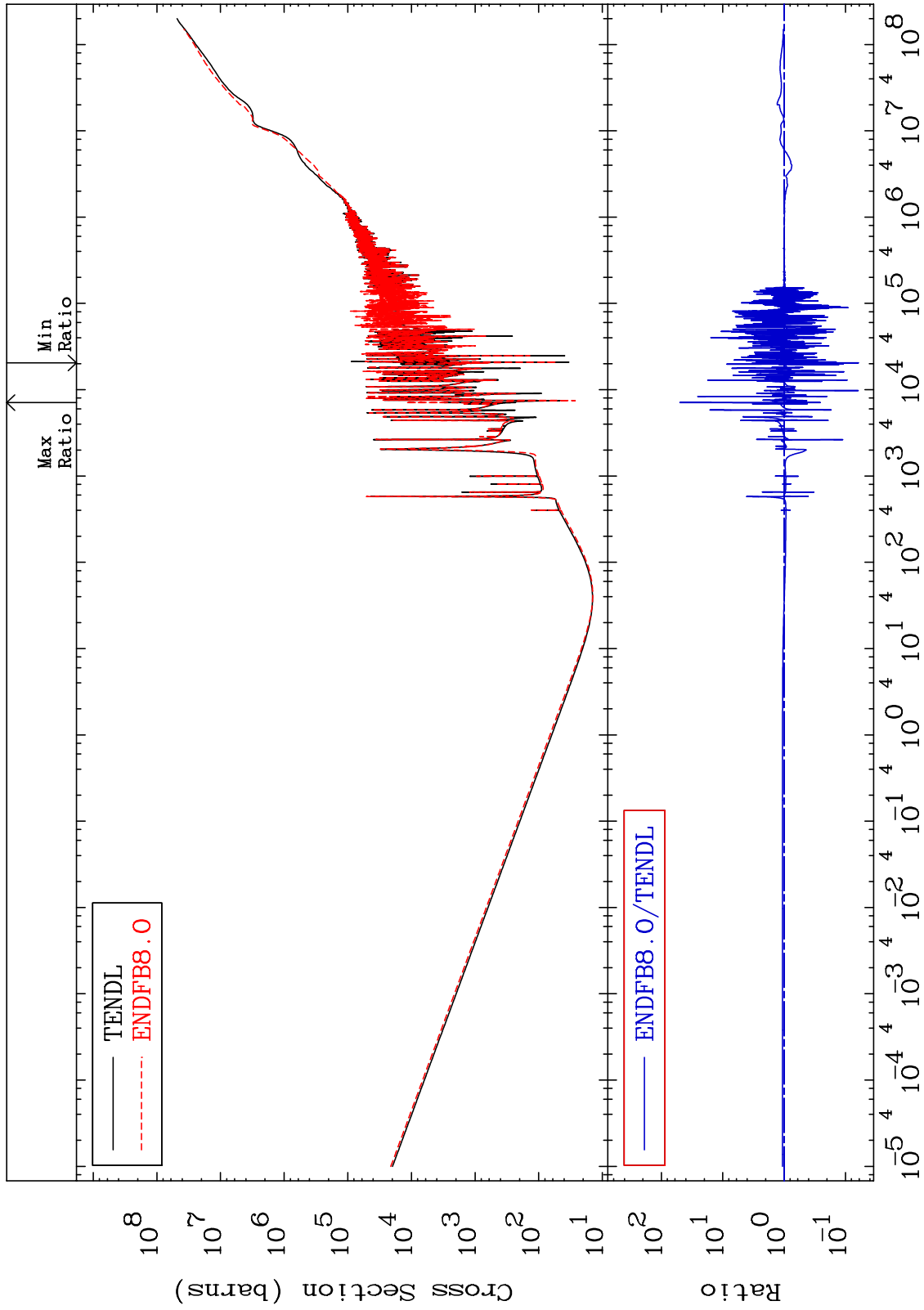
29-Cu-63



MAT 2925

Total kinematic kerma (high limit)  
Cross Section

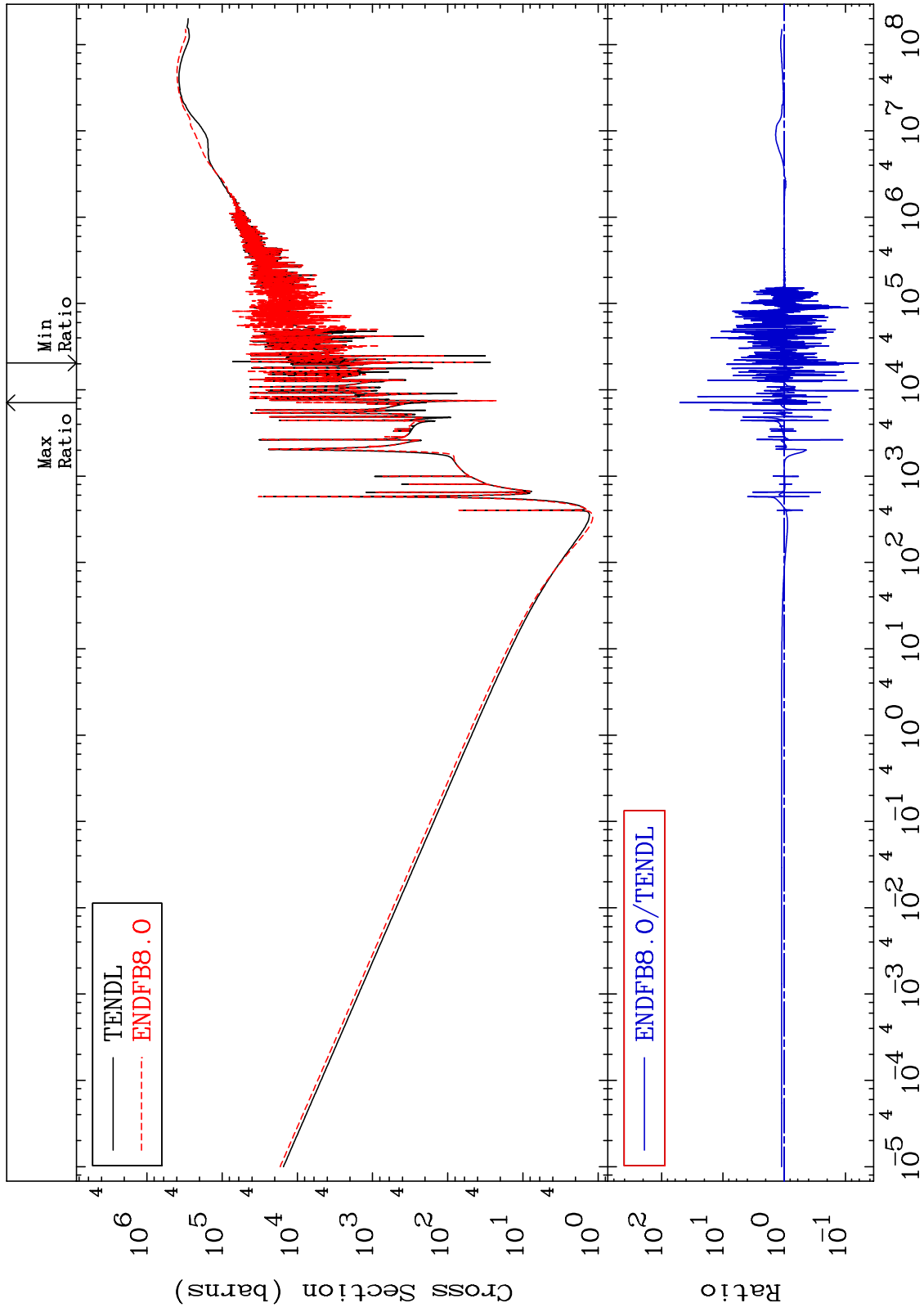
29-Cu-63  
-93.83 To 4877. %



MAT 2925

Dpa total (eV-barns)  
Cross Section

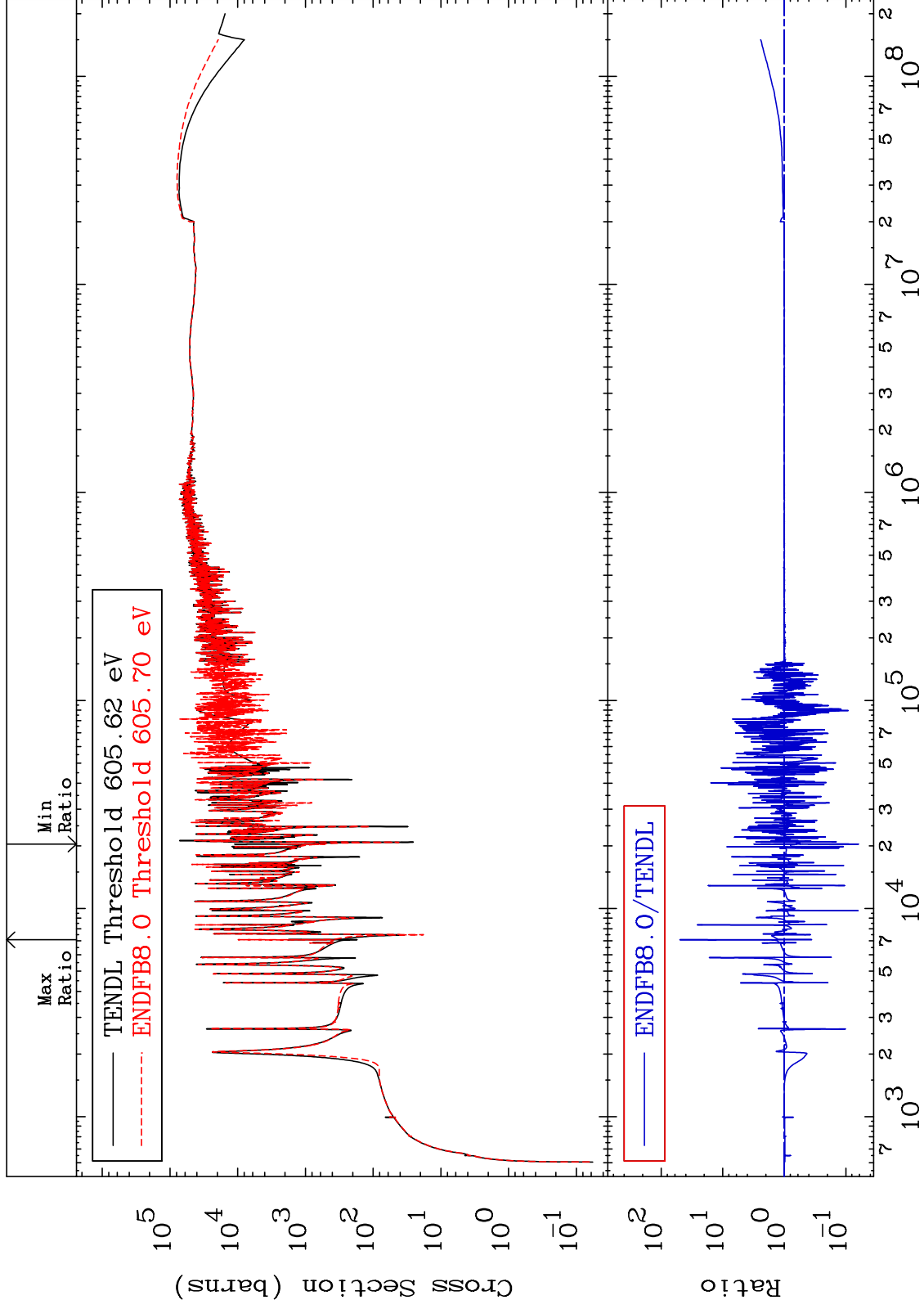
29-Cu-63  
-93.83 To 4898. %



MAT 2925

Dpa elastic (mt2)  
Cross Section

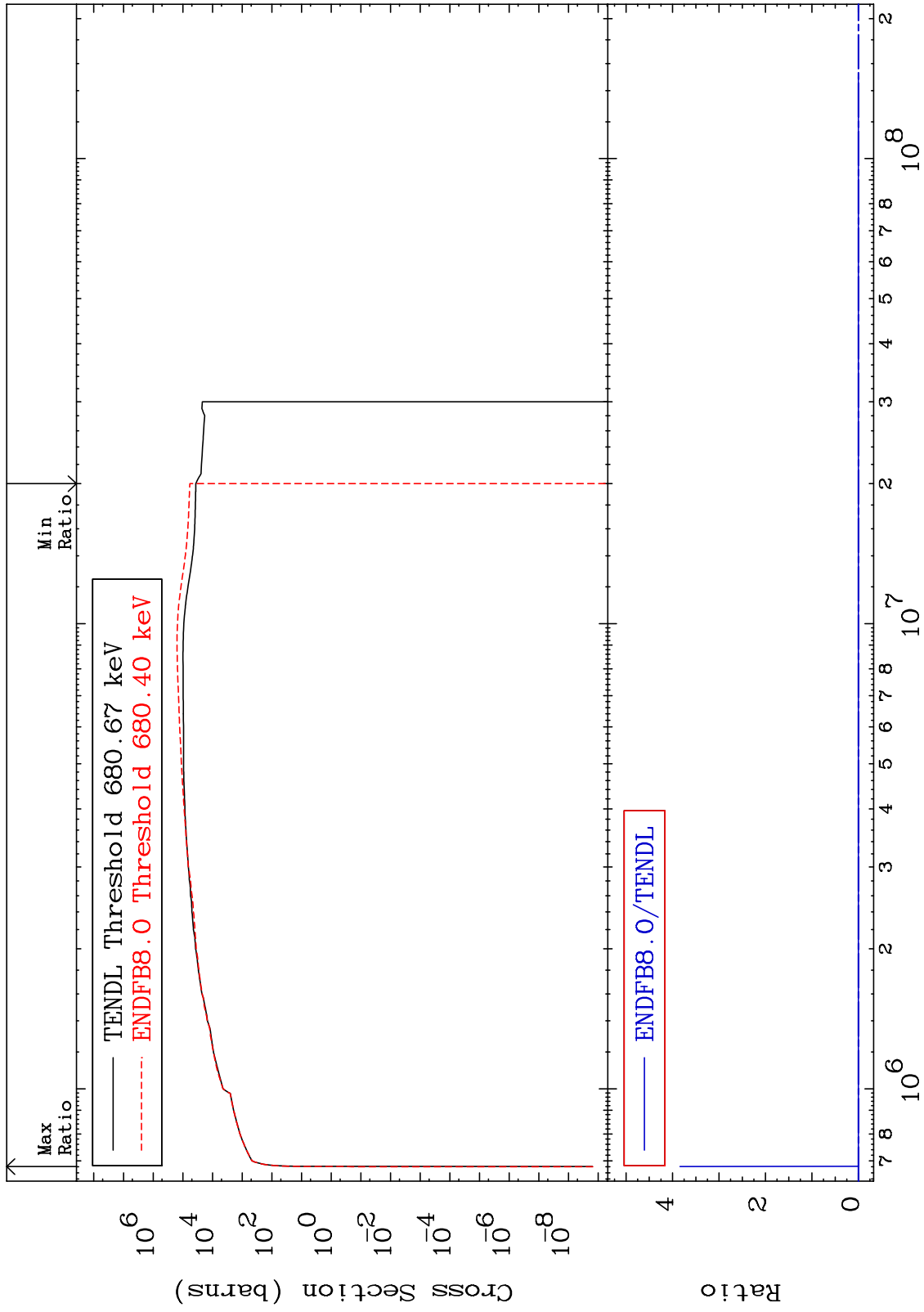
29-Cu-63  
-93.76 To 4854. %



MAT 2925

Dpa inelastic (mt51-91)  
Cross Section

29-Cu-63  
-100.0 To 9999. %



59

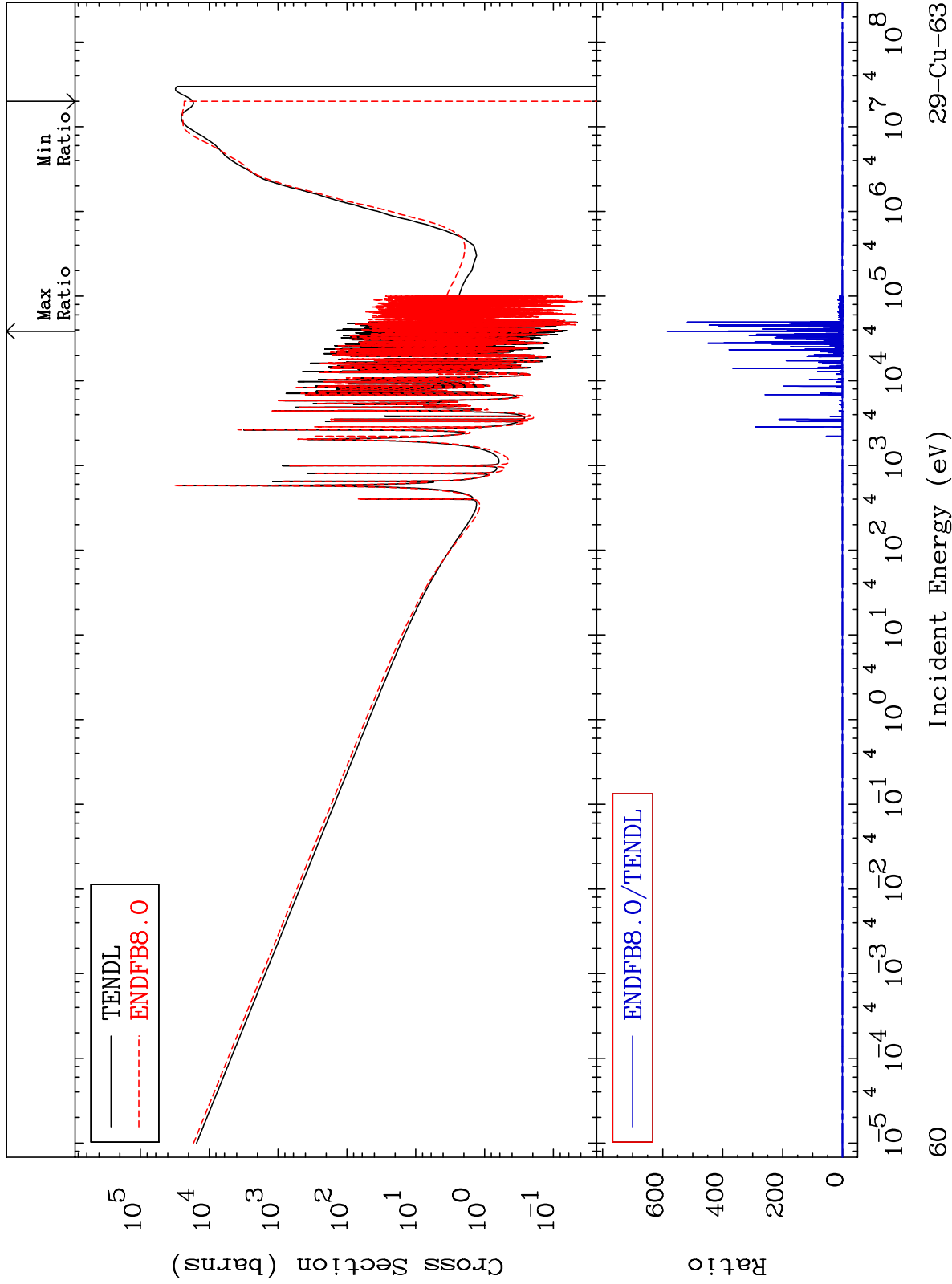
Incident Energy (eV)

29-Cu-63

MAT 2925

Dpa disappearance (mt102 -120)  
Cross Section

29-Cu-63  
-100.0 To 9999. %



60

Incident Energy (eV)

29-Cu-63