

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

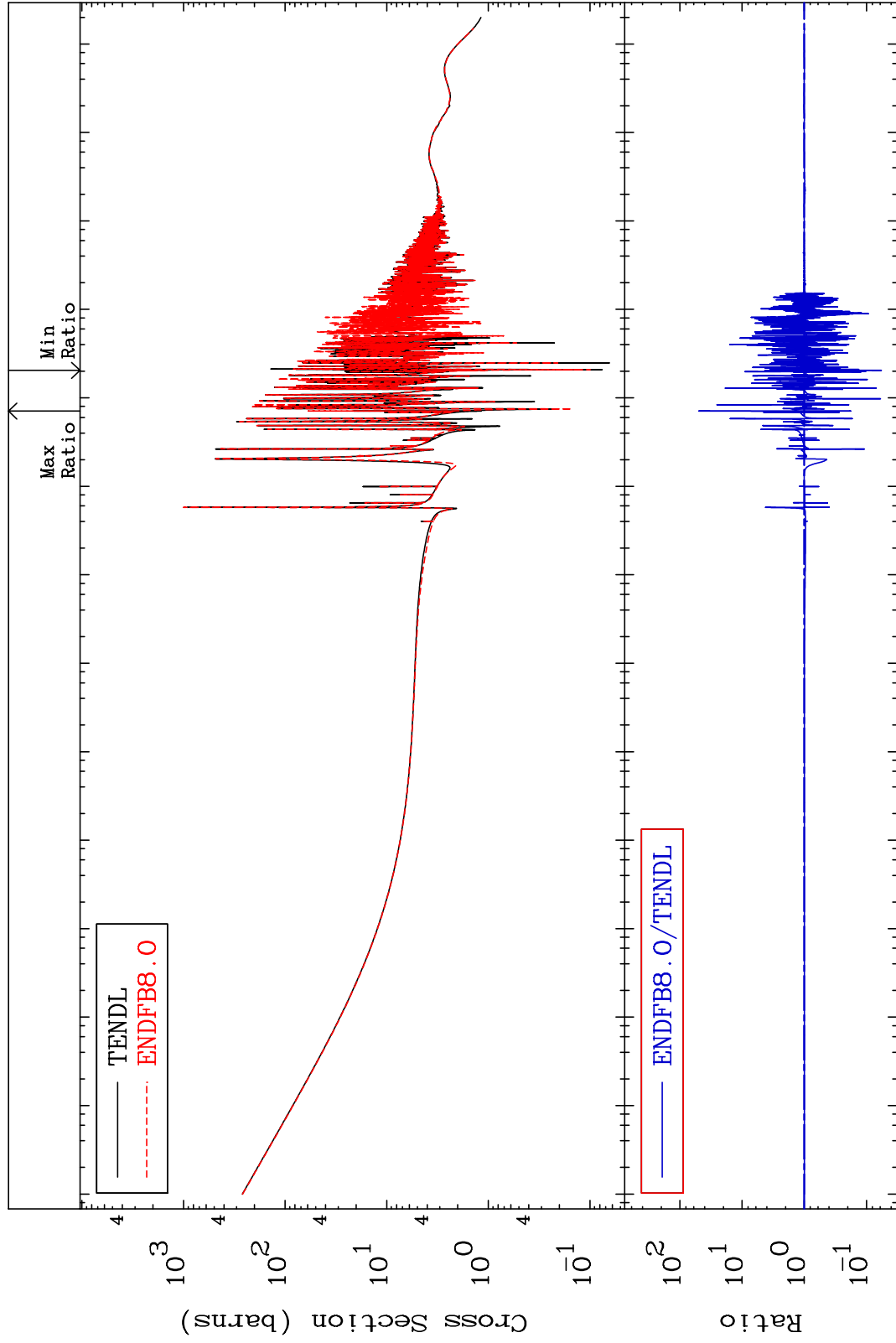
MAT 2925

Total

29-Cu-63

Cross Section

-94.29 To 4886. %



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

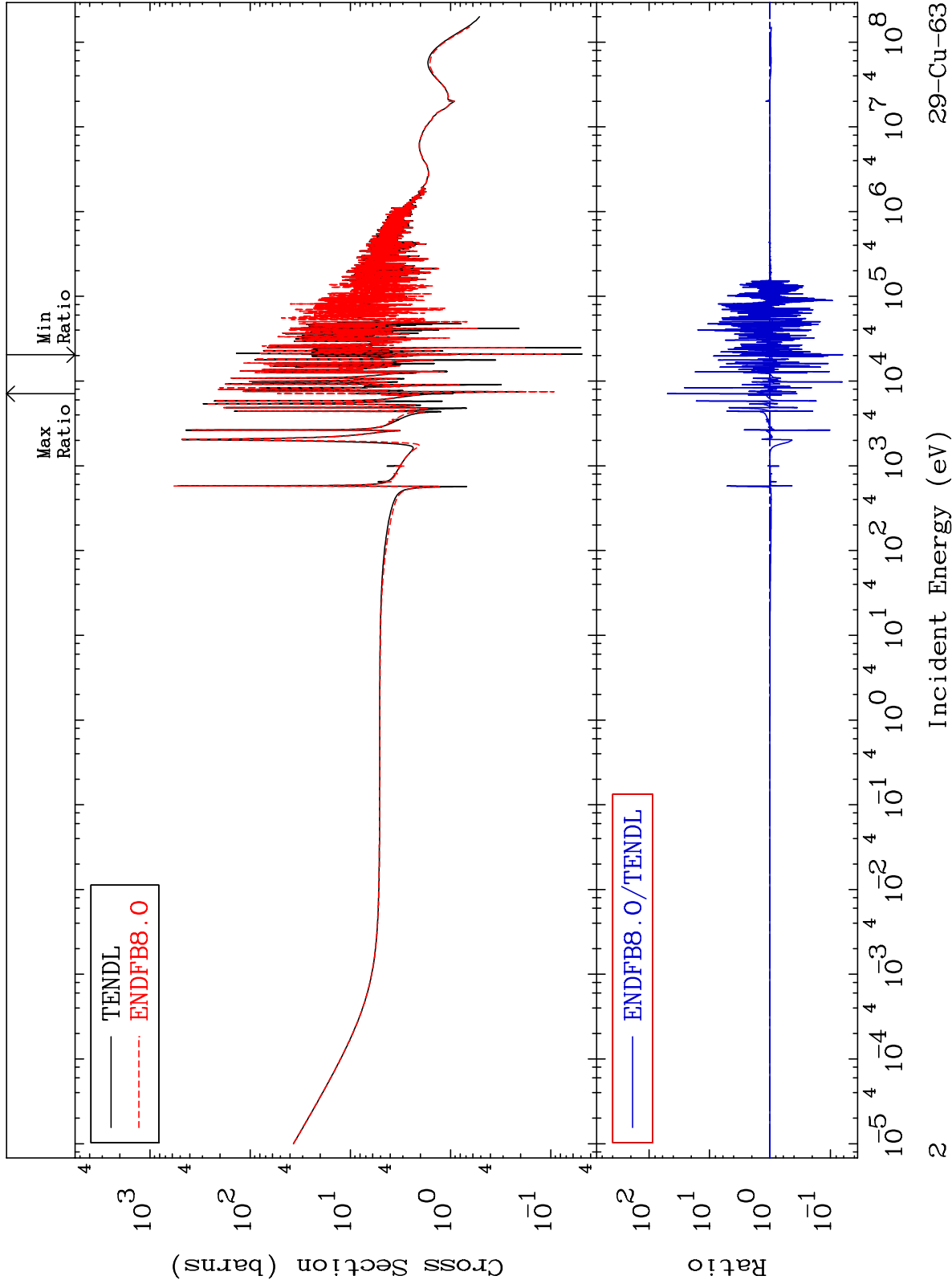
Incident Energy (eV)

29-Cu-63

MAT 2925

Elastic  
Cross Section

29-Cu-63  
-93.76 To 4854. %



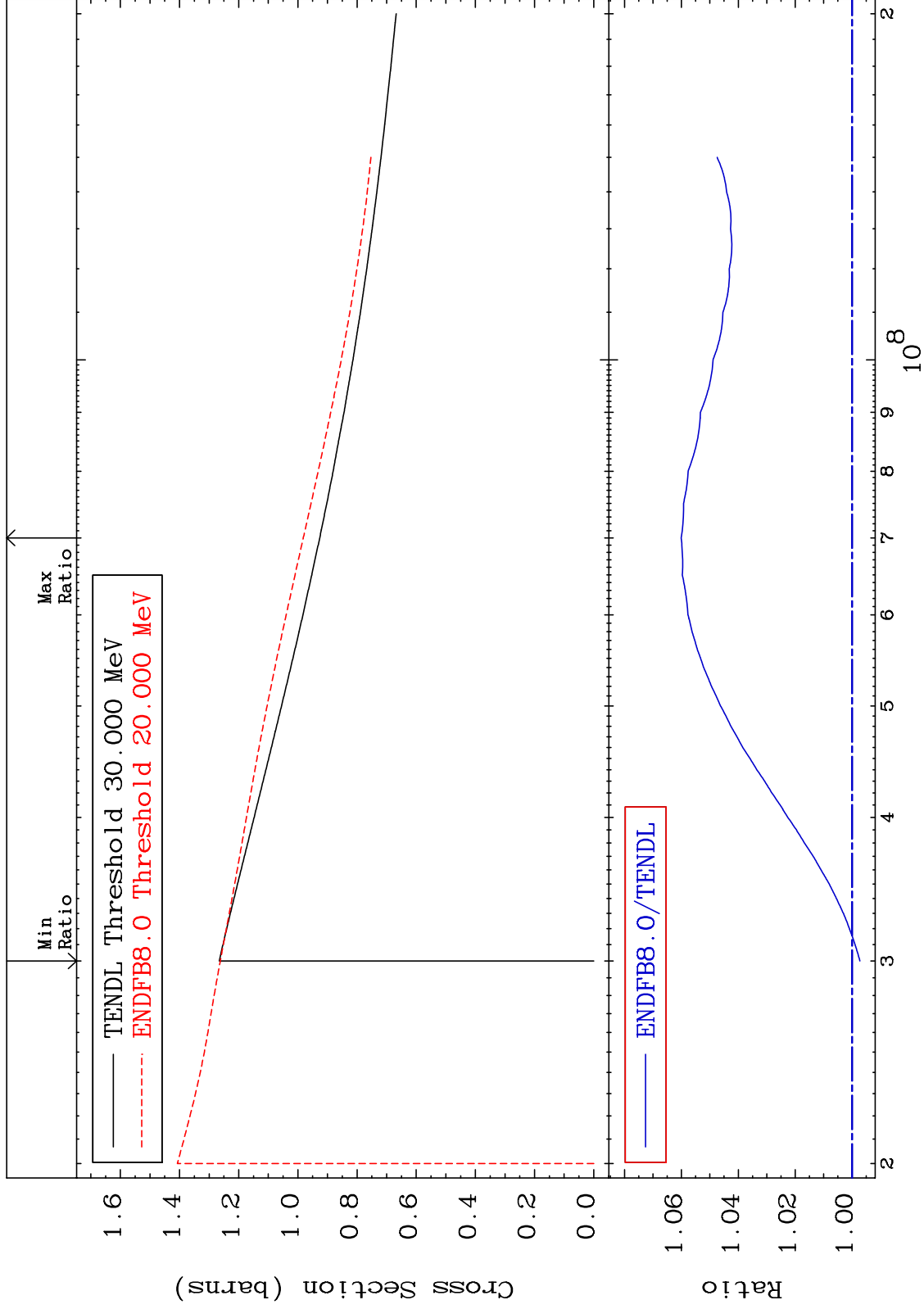
29-Cu-63



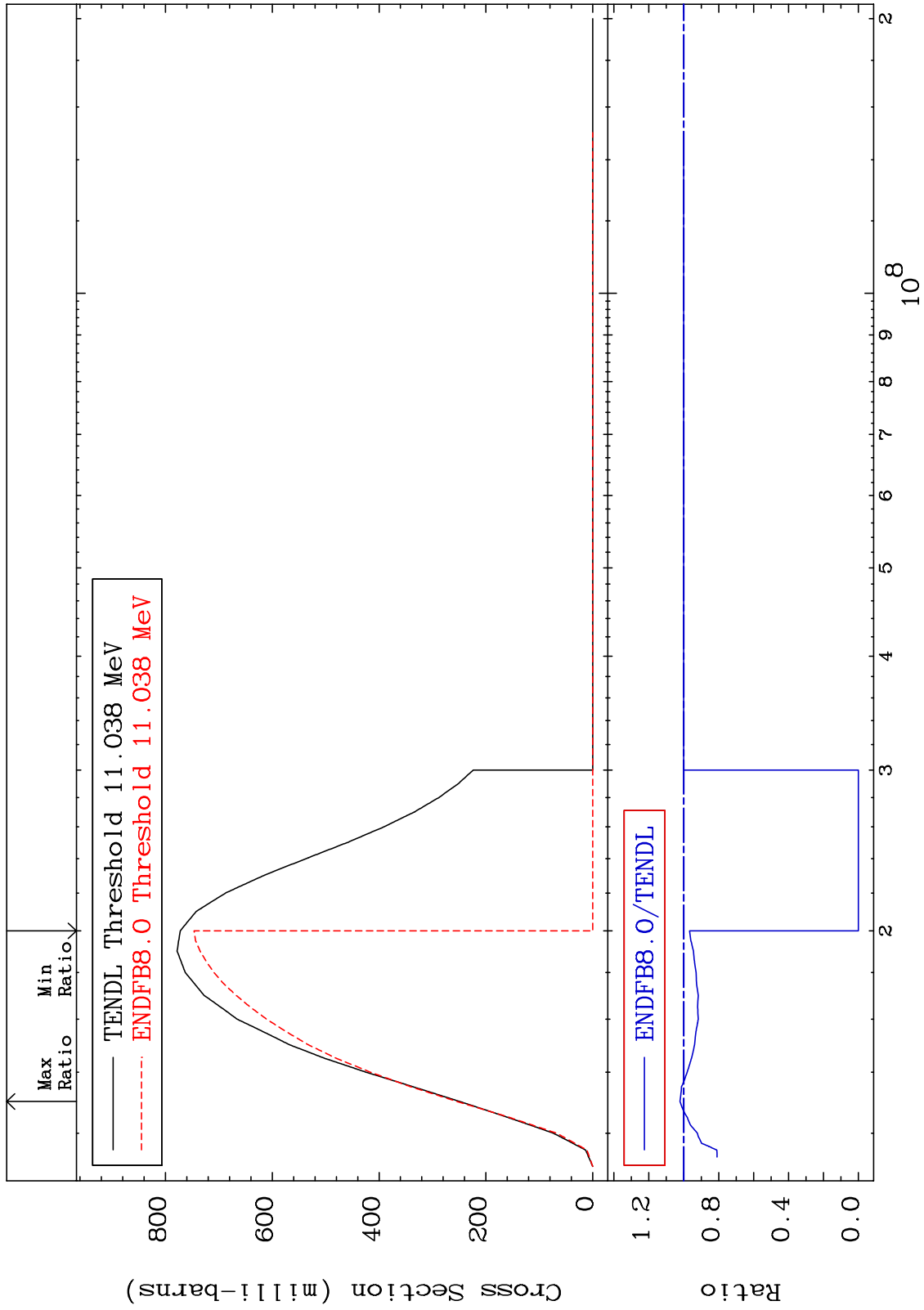
MAT 2925

(n, remainder)  
Cross Section

<sup>29</sup>-Cu-63  
-0.276 To 6.007 %



MAT 2925 (n,2n) Cross Section 29-Cu-63 -100.0 To 2.138 %



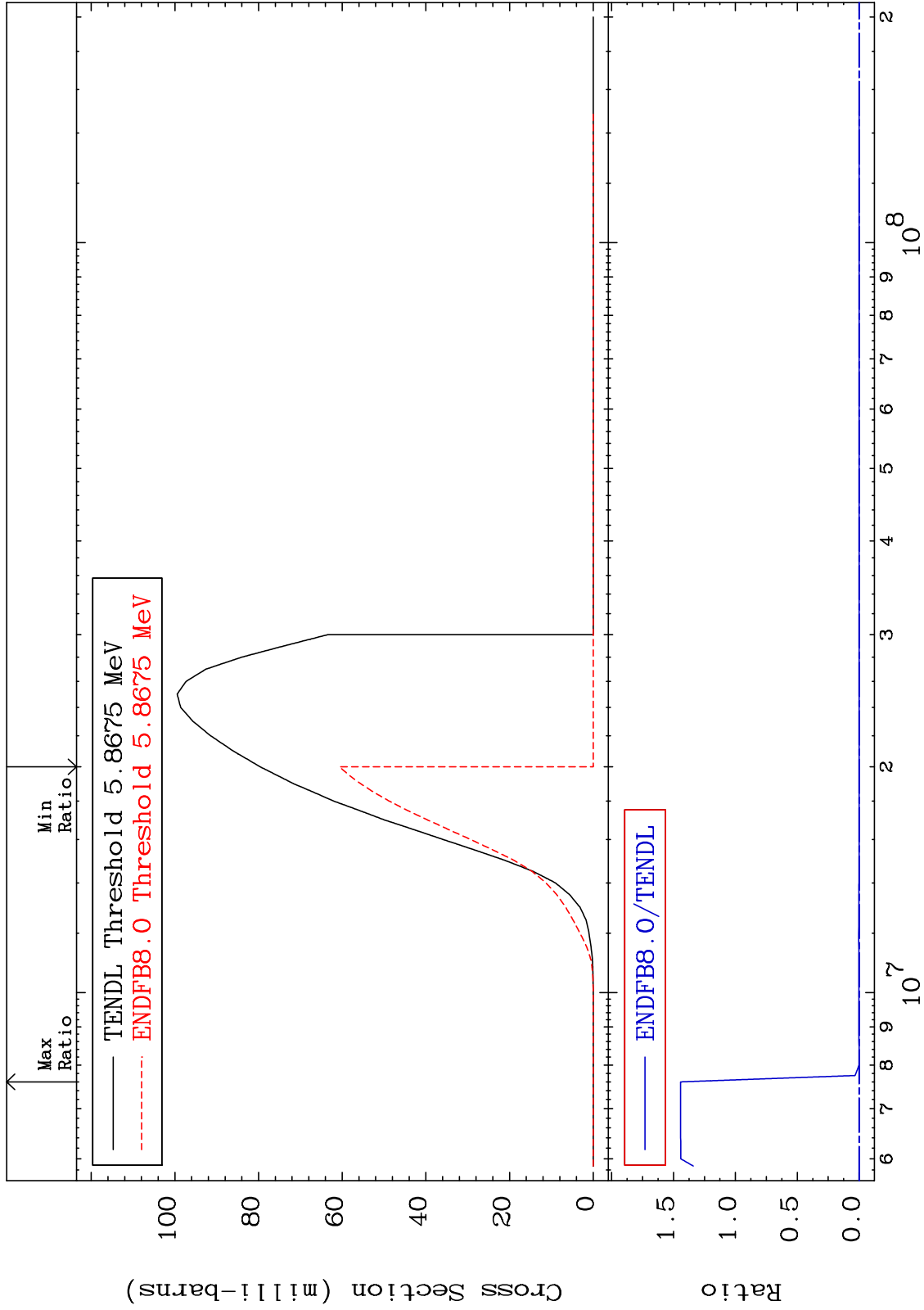
MAT 2925

(n,n')  $\alpha$

29-Cu-63

Cross Section

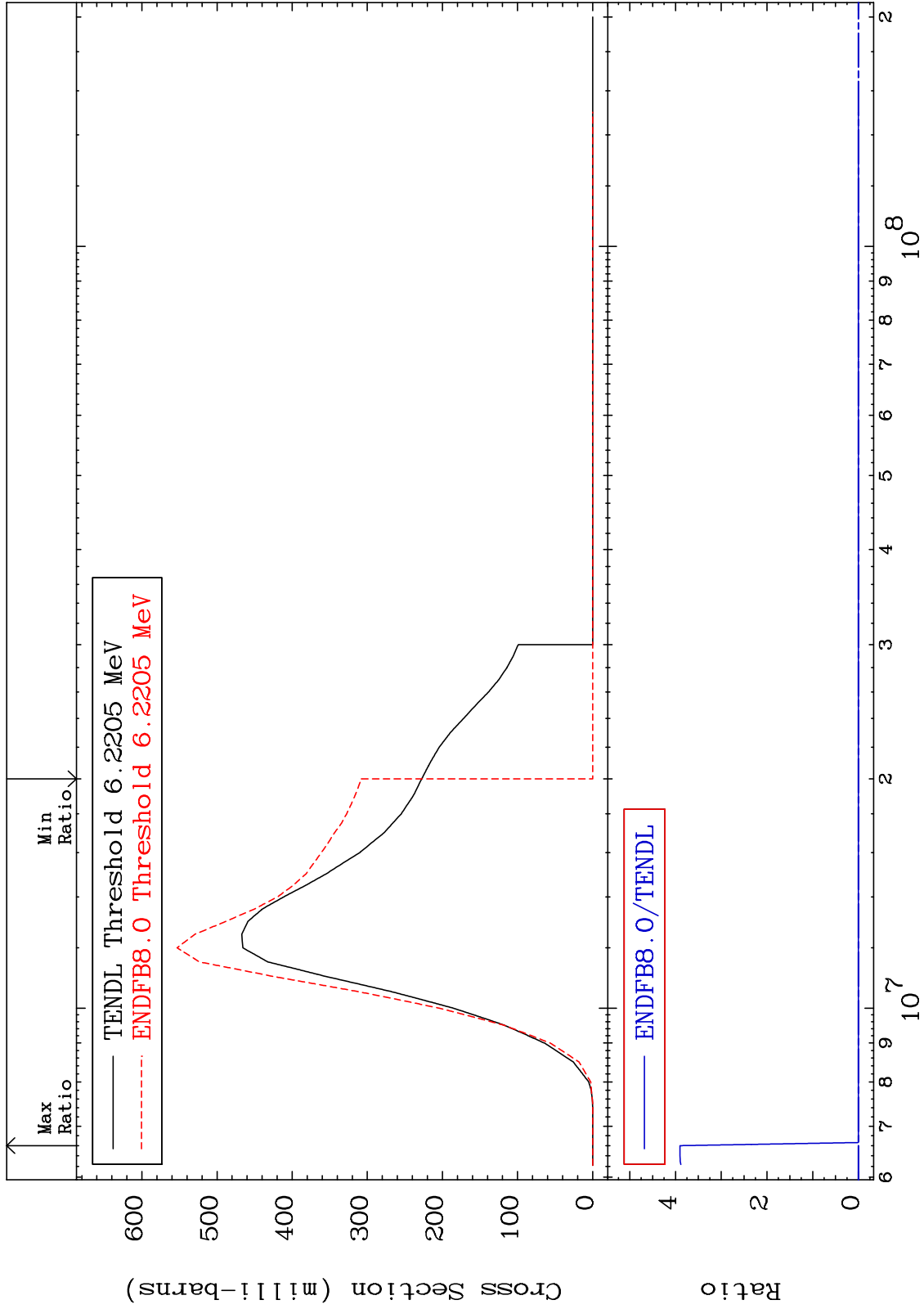
-100.0 To 9999. %



MAT 2925

(n,n') p  
Cross Section

29-Cu-63  
-100.0 To 9999. %



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Incident Energy (eV)

29-Cu-63



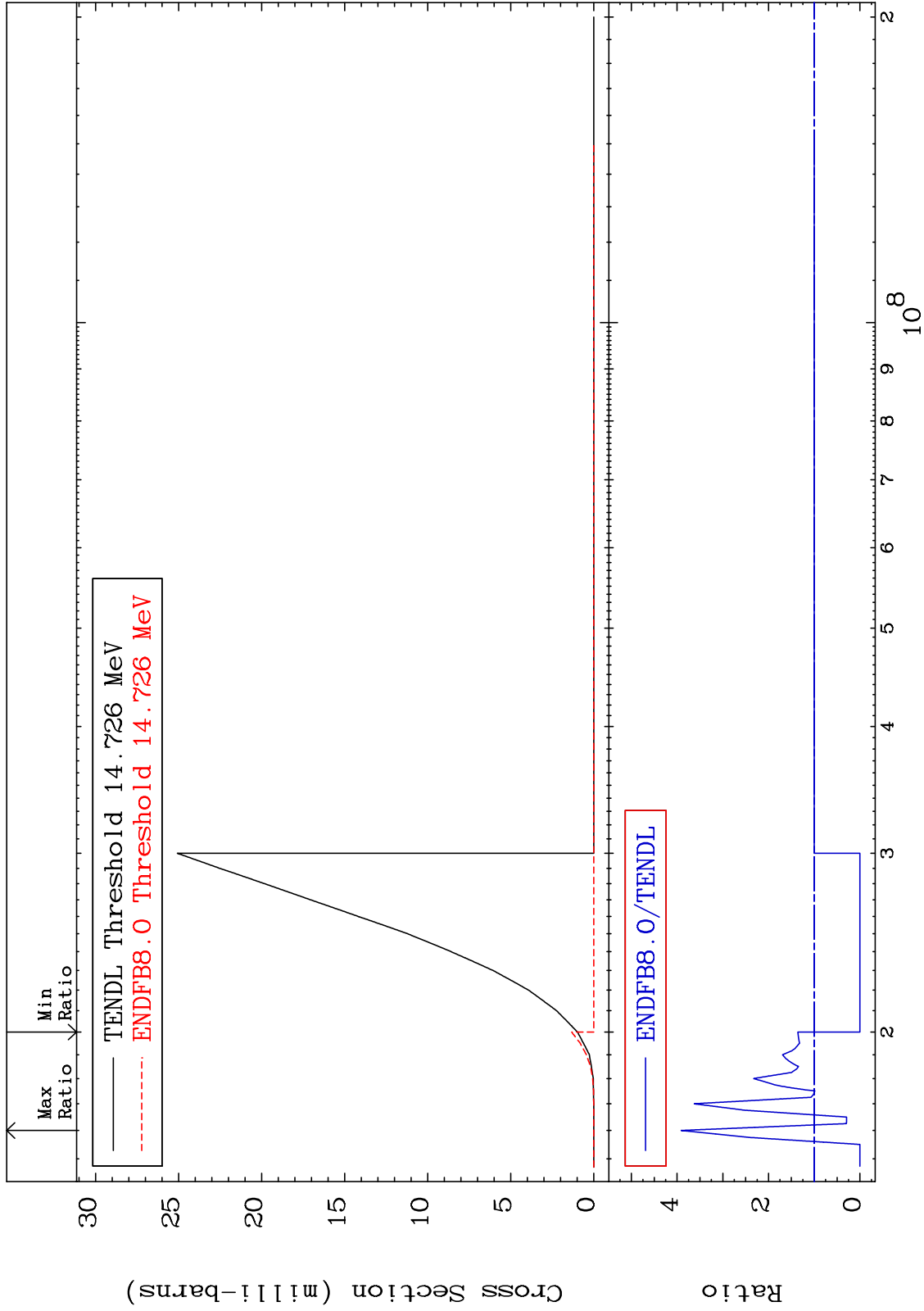
MAT 2925

(n,n') d

29-Cu-63

Cross Section

-100.0 To 291.0 %

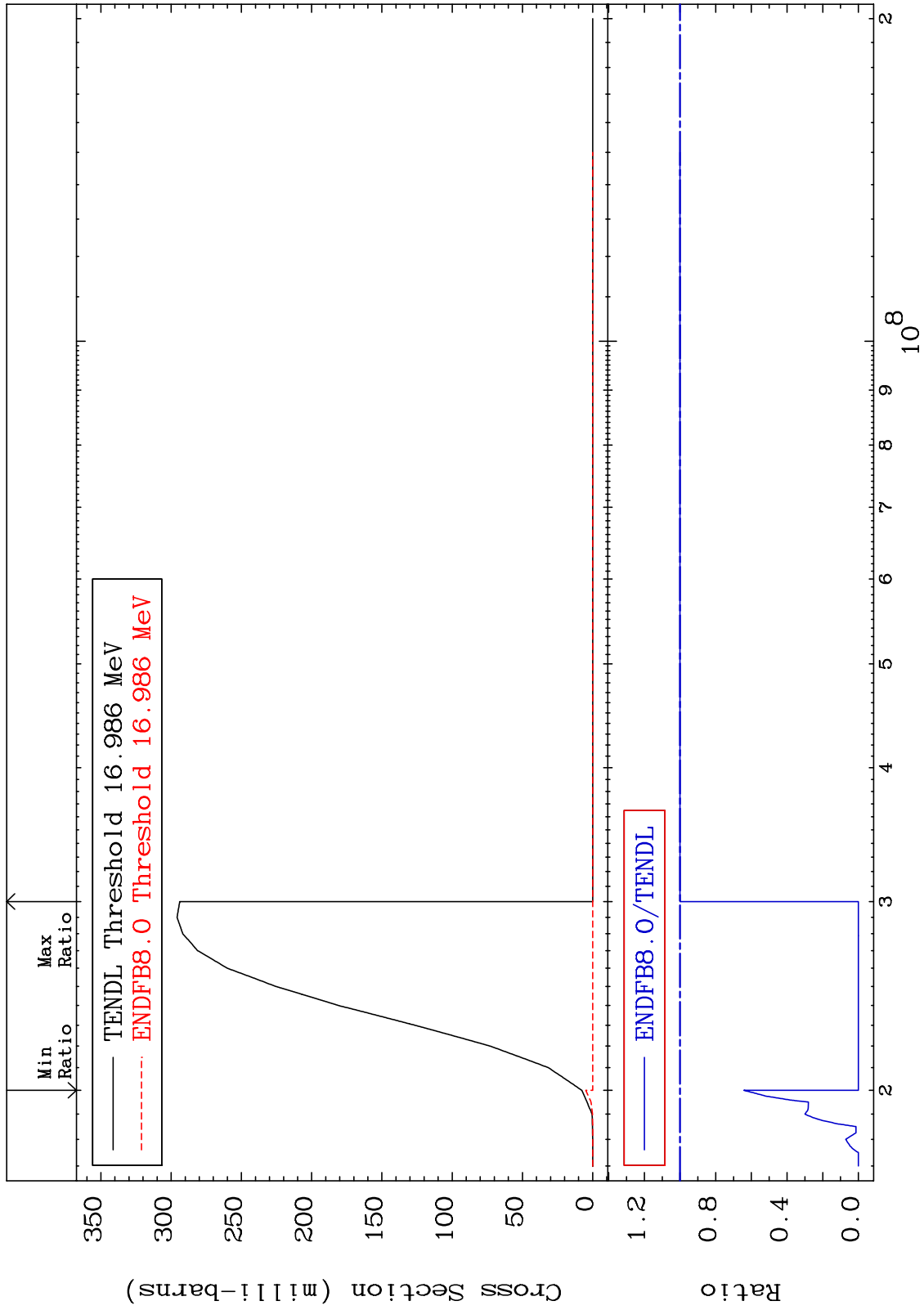


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Incident Energy (eV)

29-Cu-63

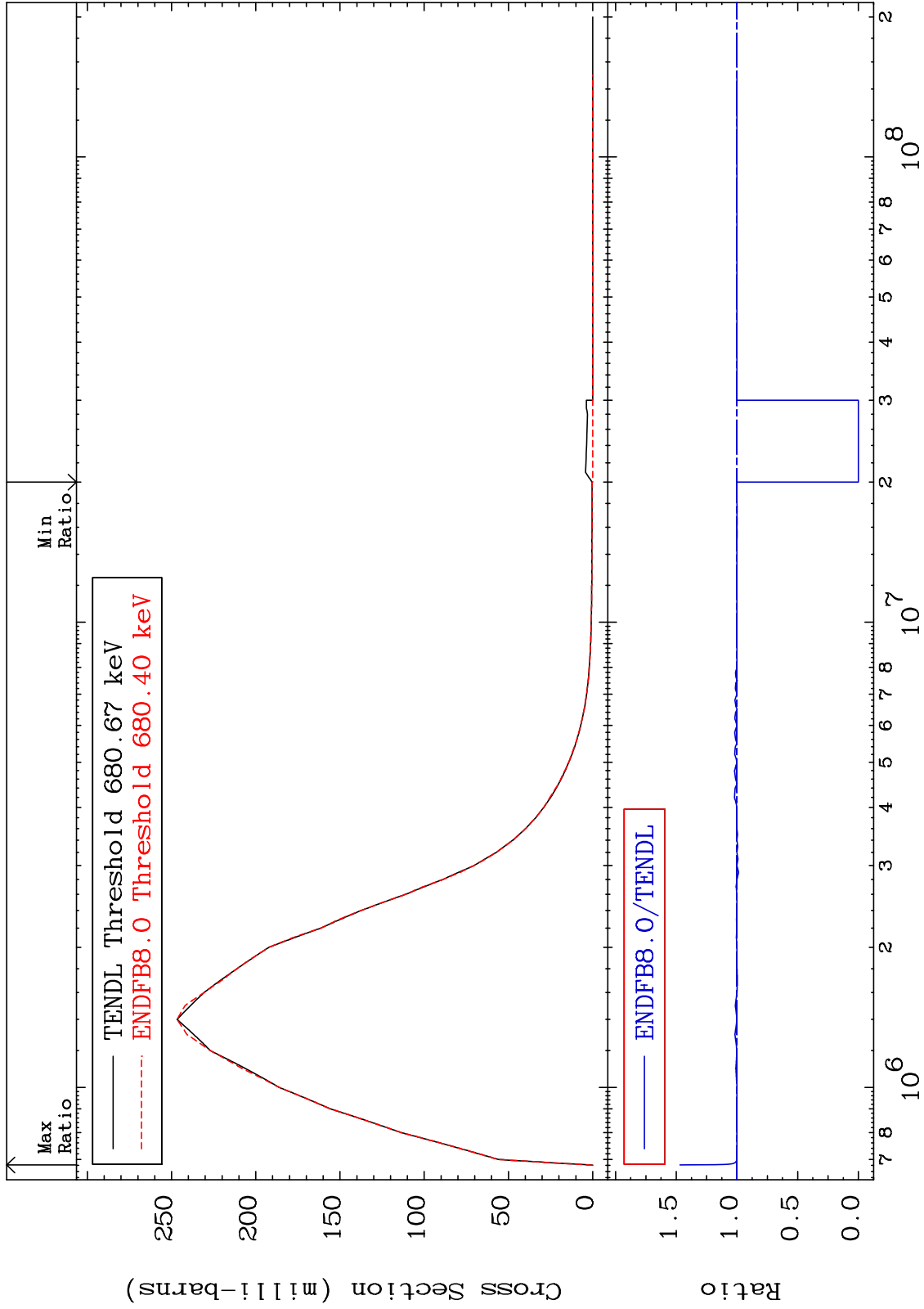
MAT 2925 (n,2n) p 29-Cu-63  
 Cross Section -100.0 To 0.000 %



MAT 2925

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

29-Cu-63  
-100.0 To 46.90 %

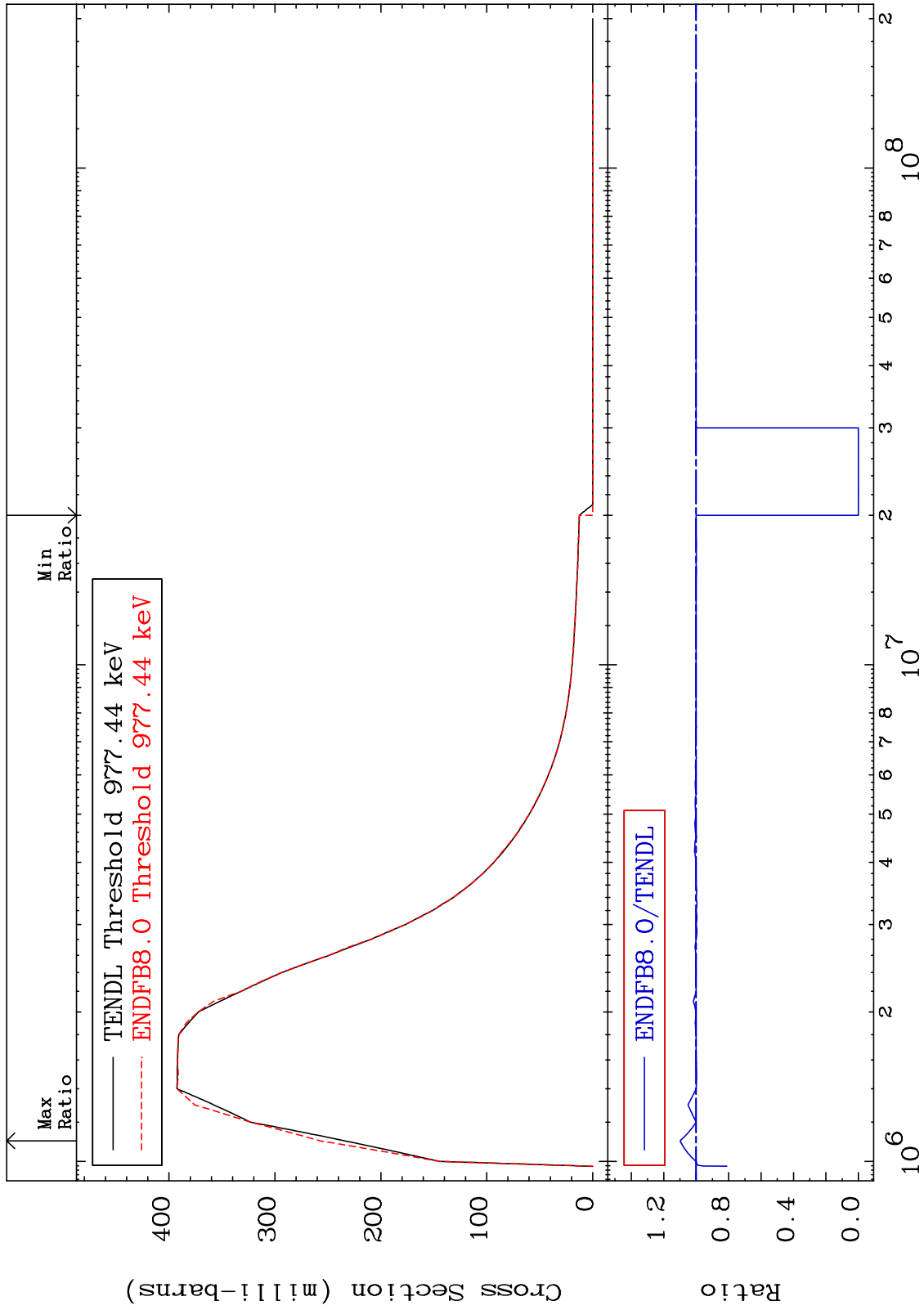


29-Cu-63

MAT 2925

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

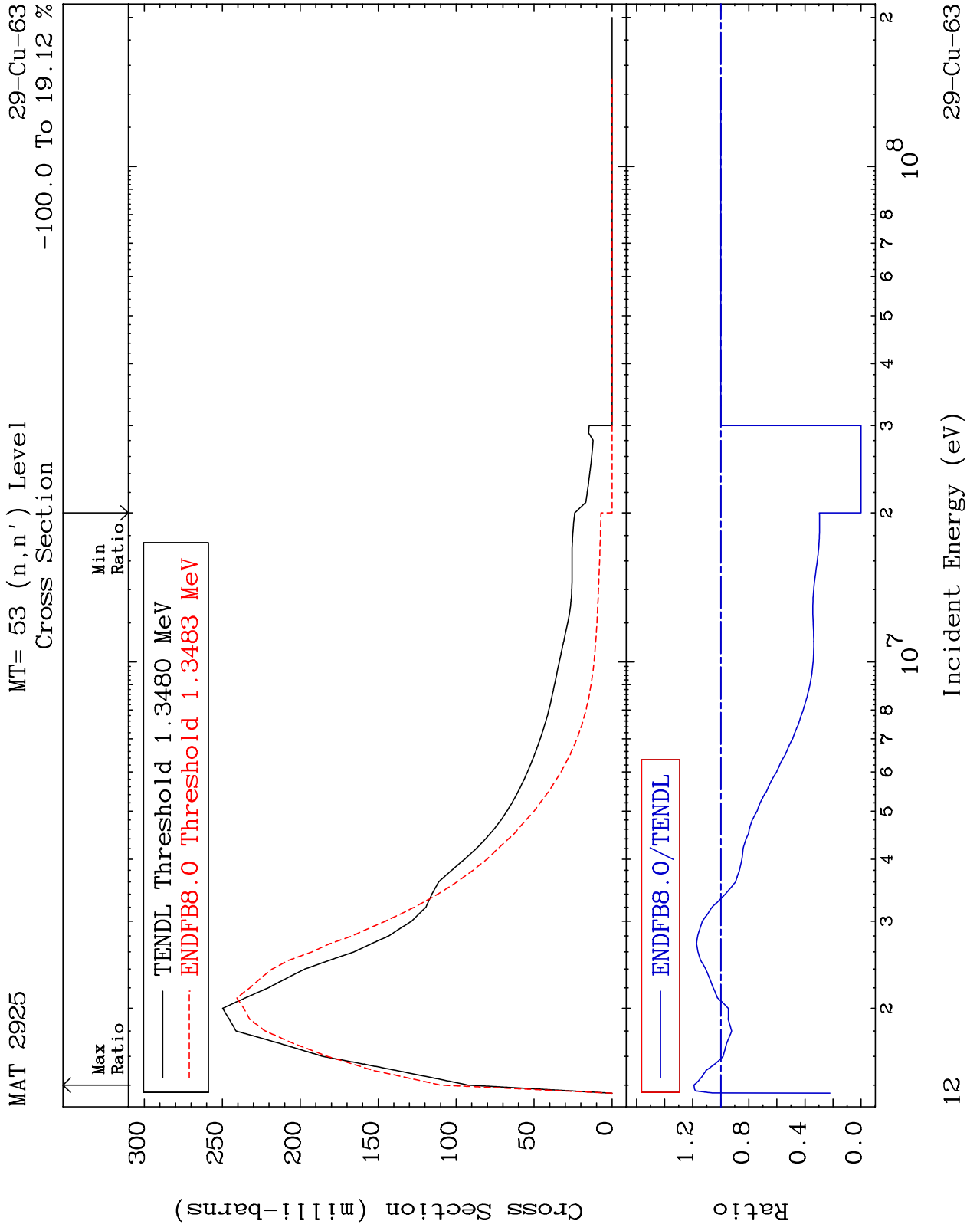
29-Cu-63  
-100.0 To 9.956 %

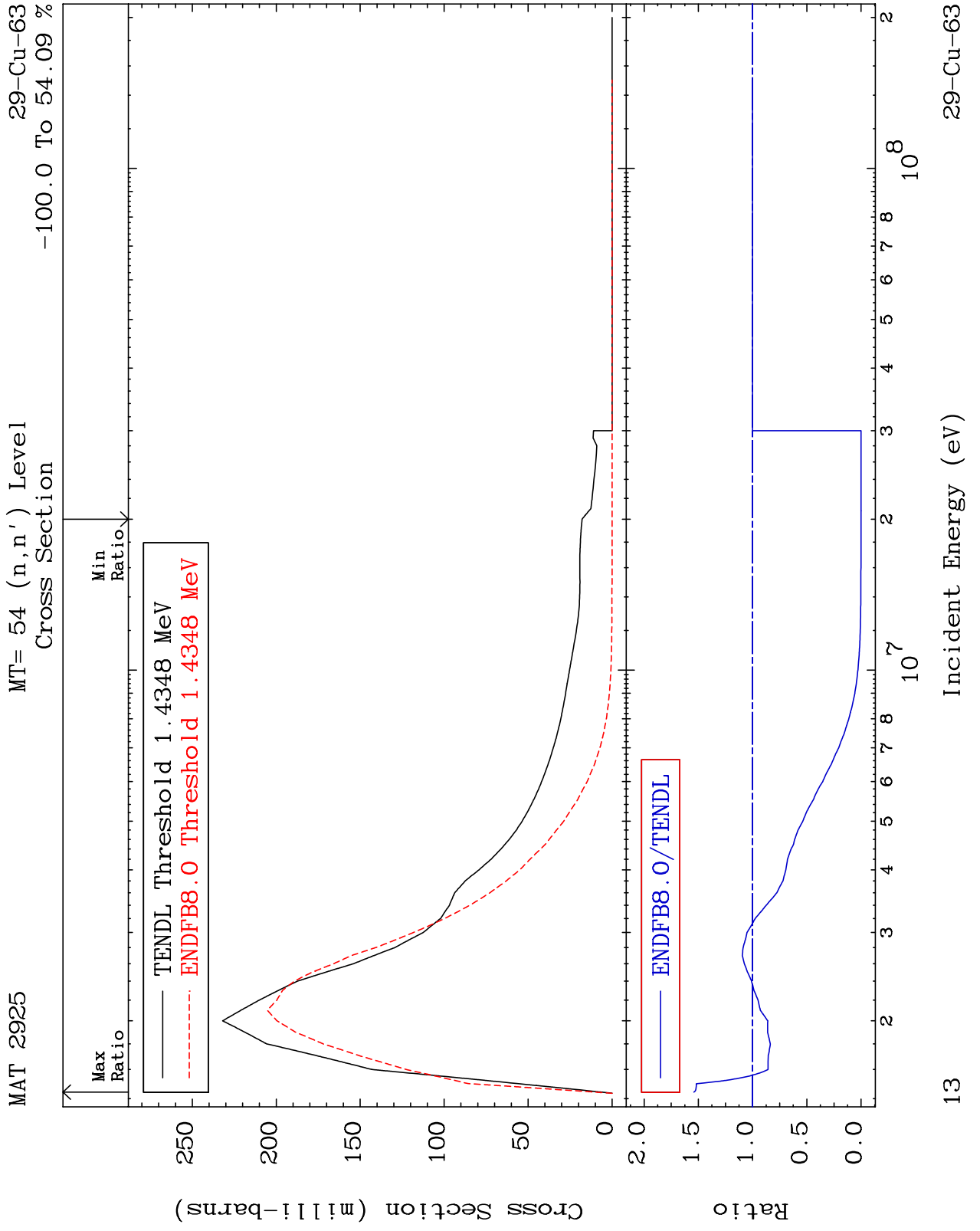


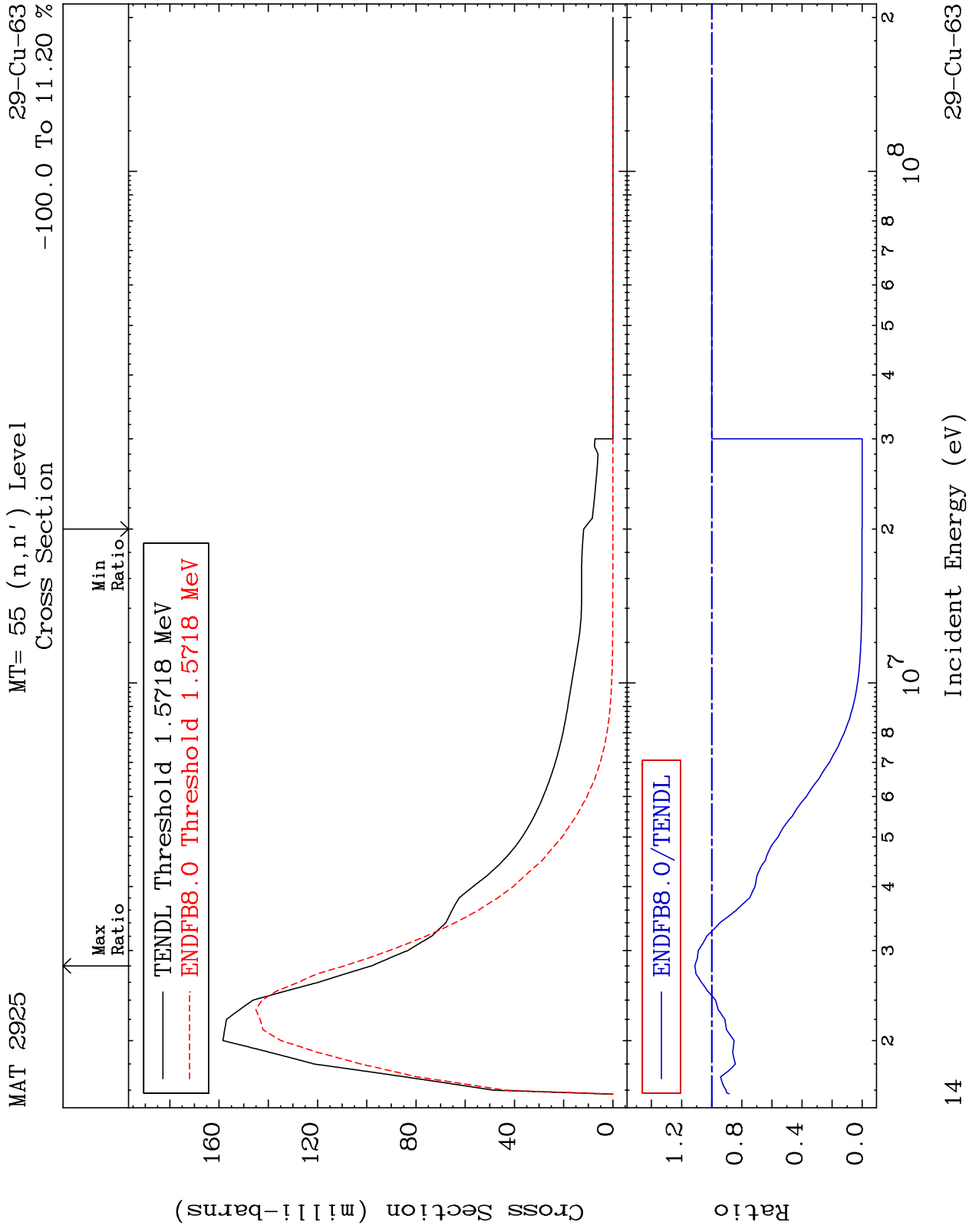
Incident Energy (eV)

29-Cu-63

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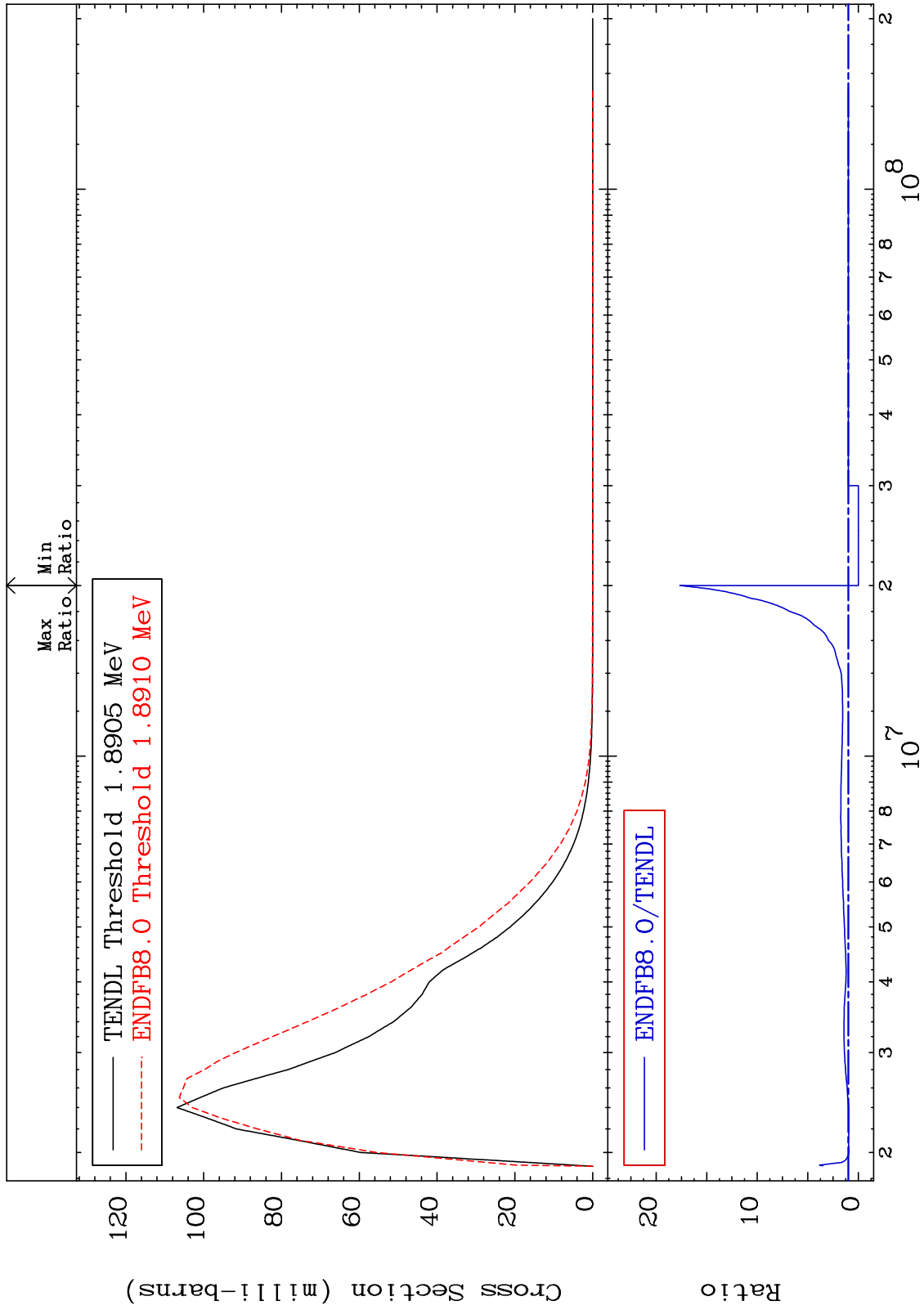




MAT 2925

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

29-Cu-63  
-100.0 To 1664. %



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Incident Energy (eV)

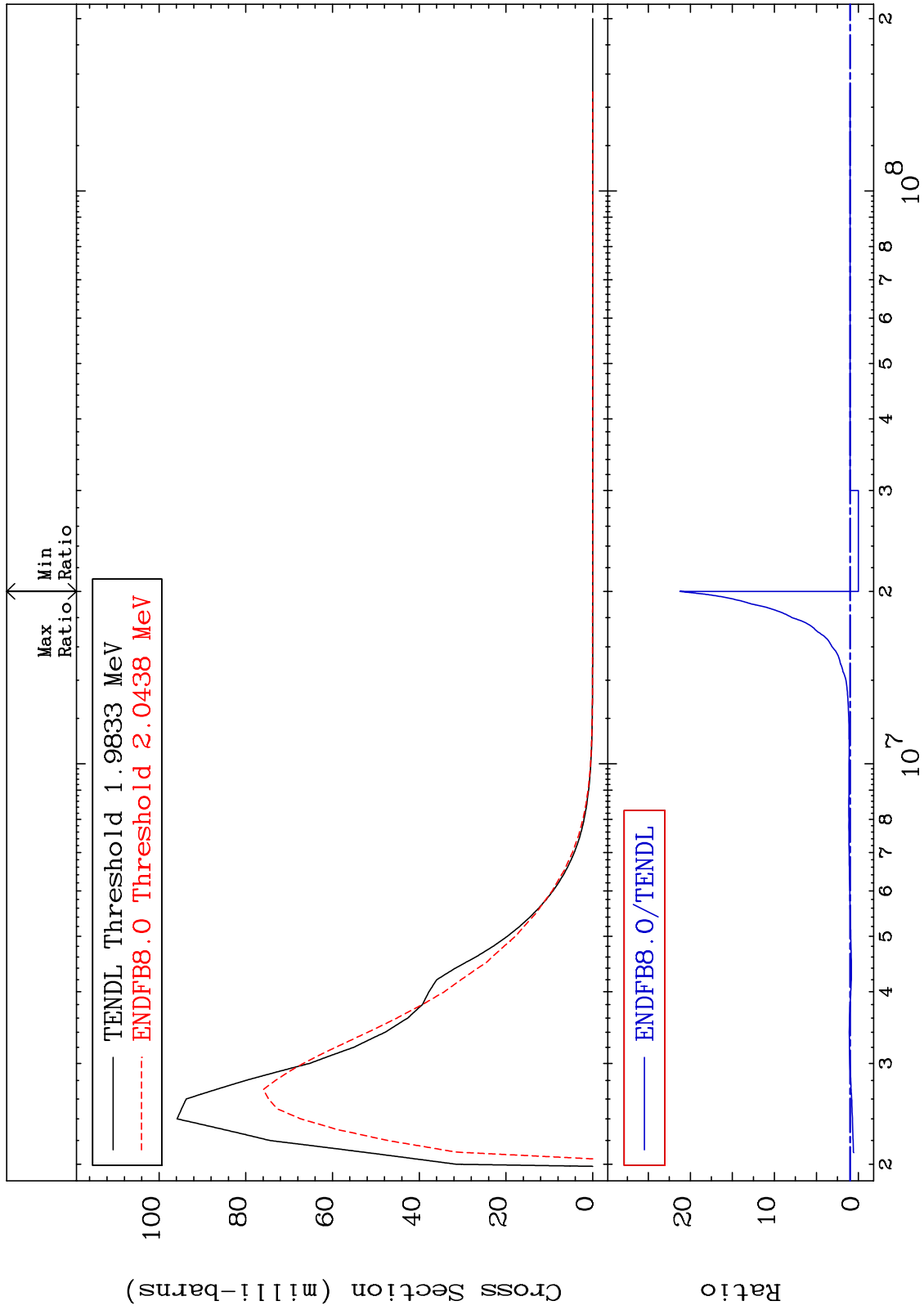
29-Cu-63



MAT 2925

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

29-Cu-63  
-100.0 To 2023. %

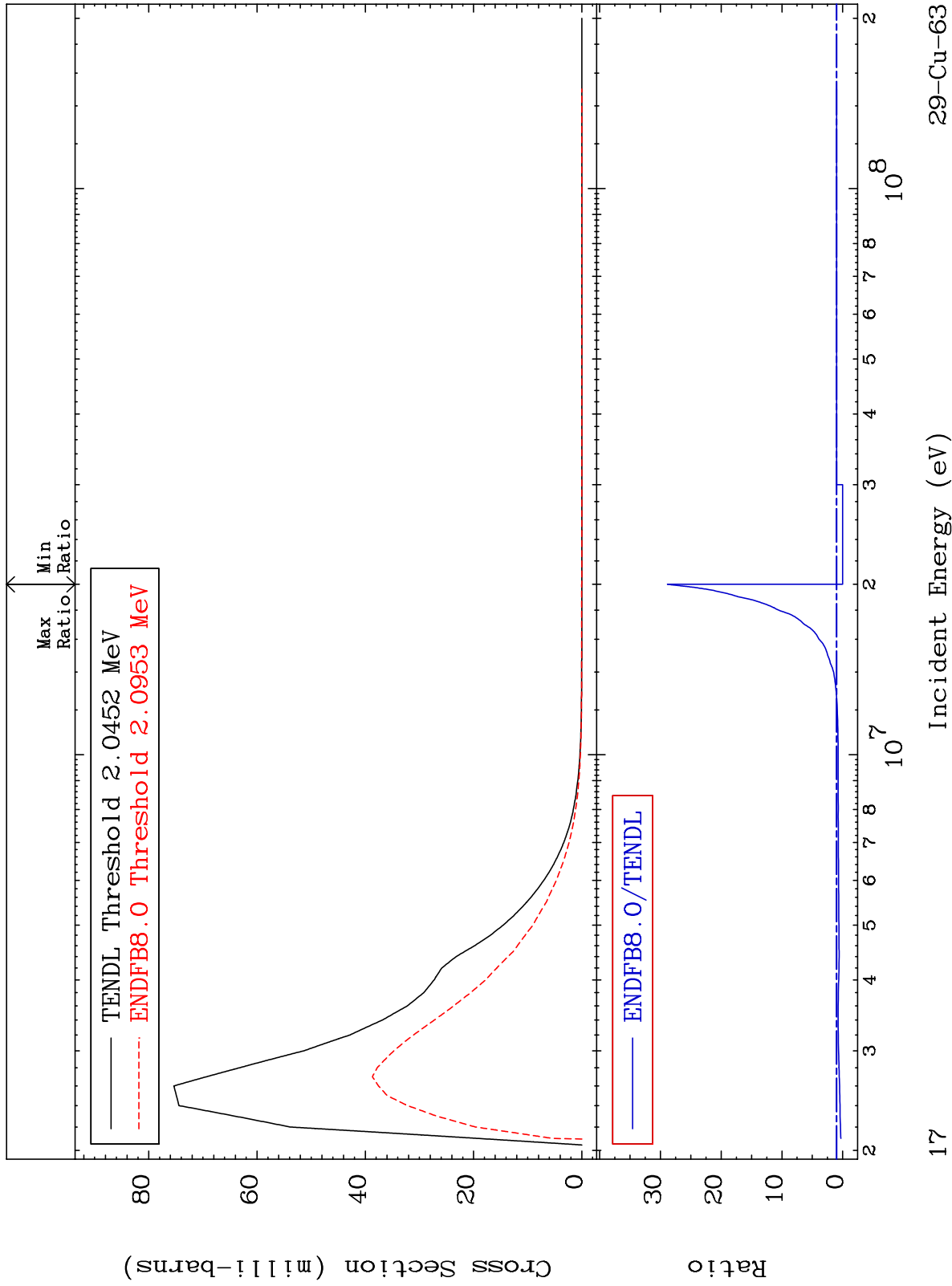


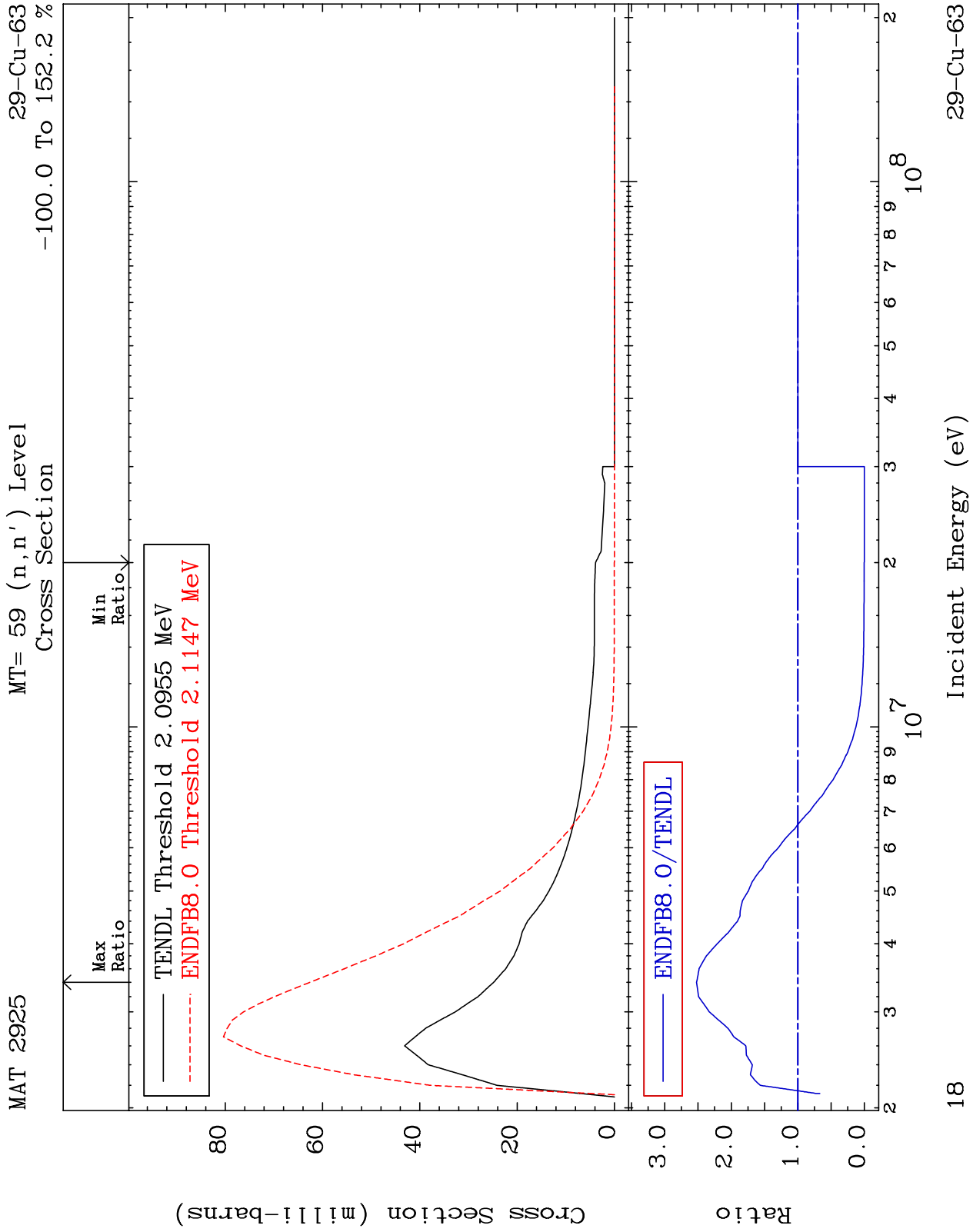
16

Incident Energy (eV)

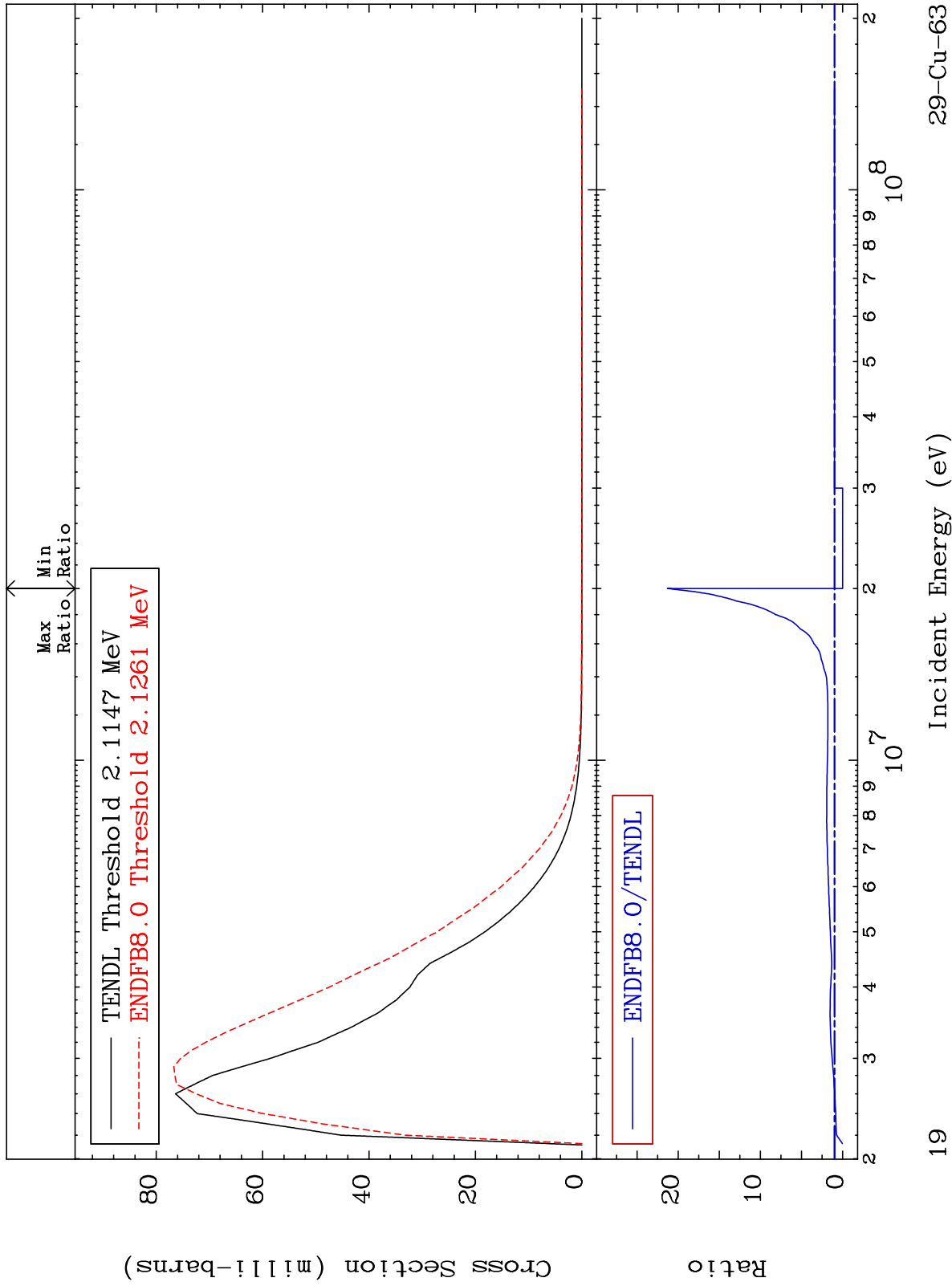
29-Cu-63

MAT 2925      MT= 58 (n, n') Level Cross Section      29-Cu-63  
 -100.0 To 2783. %





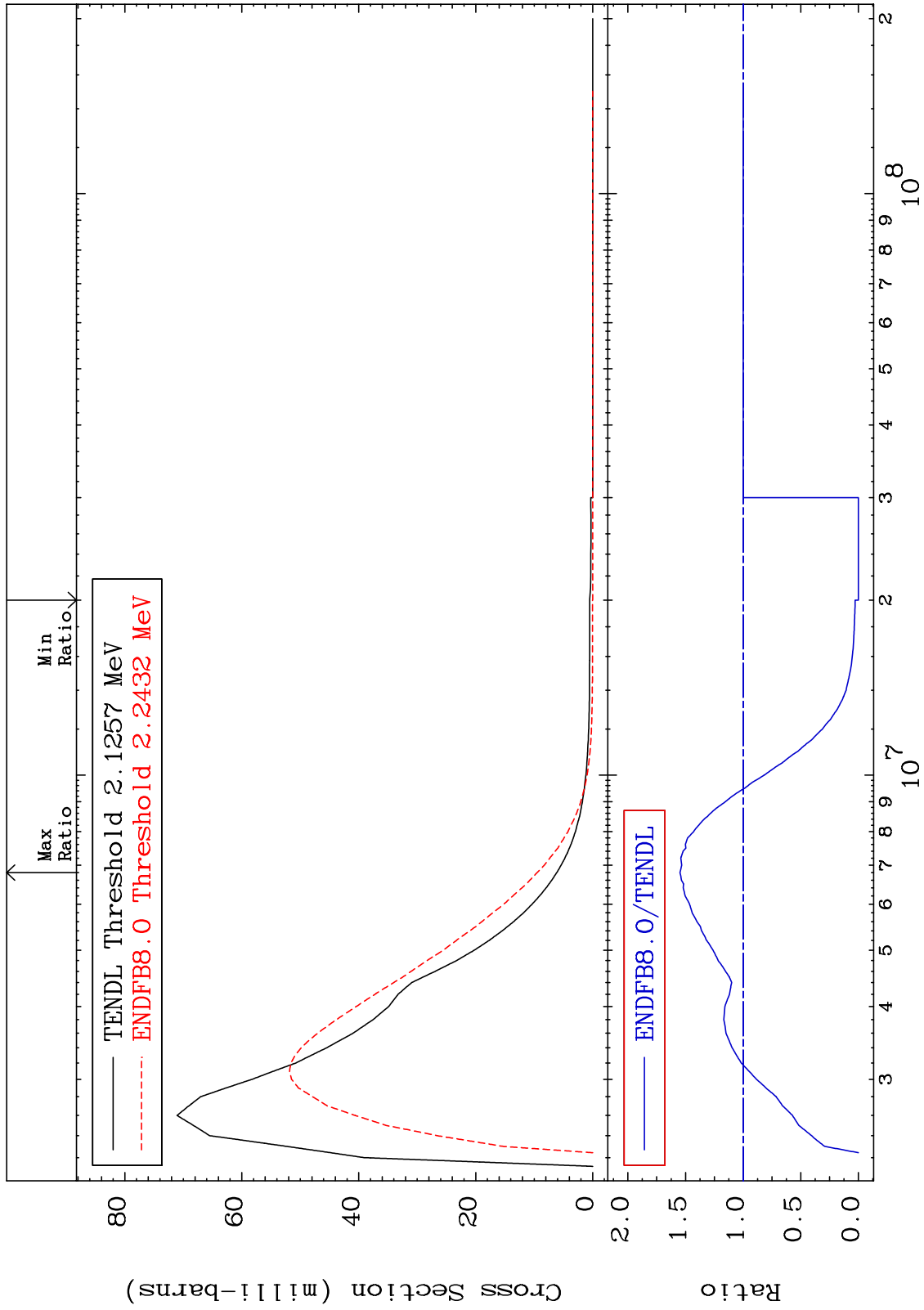
MAT 2925      MT= 60 (n,n') Level Cross Section      29-Cu-63  
 -100.0 To 2029. %



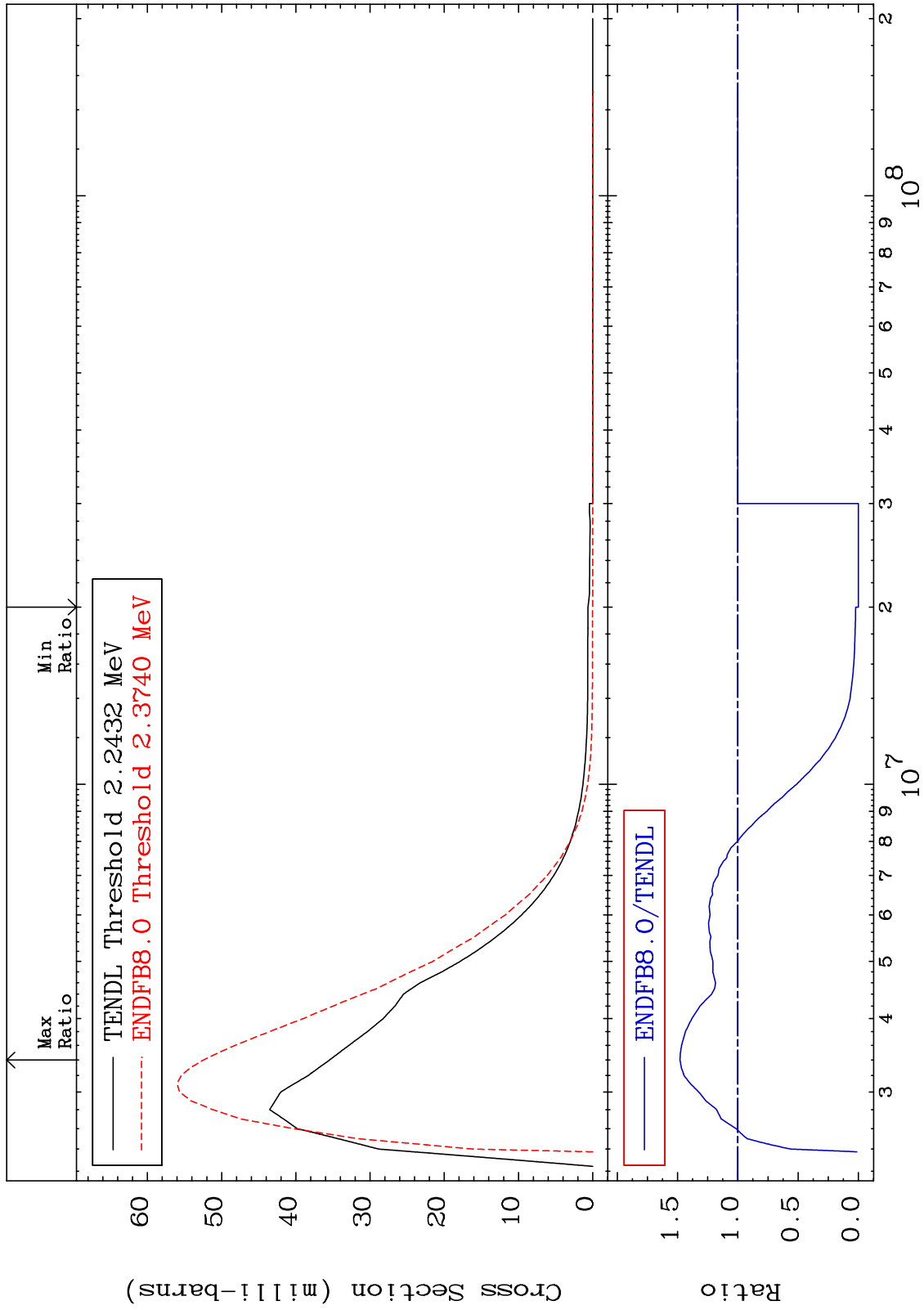
MAT 2925

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

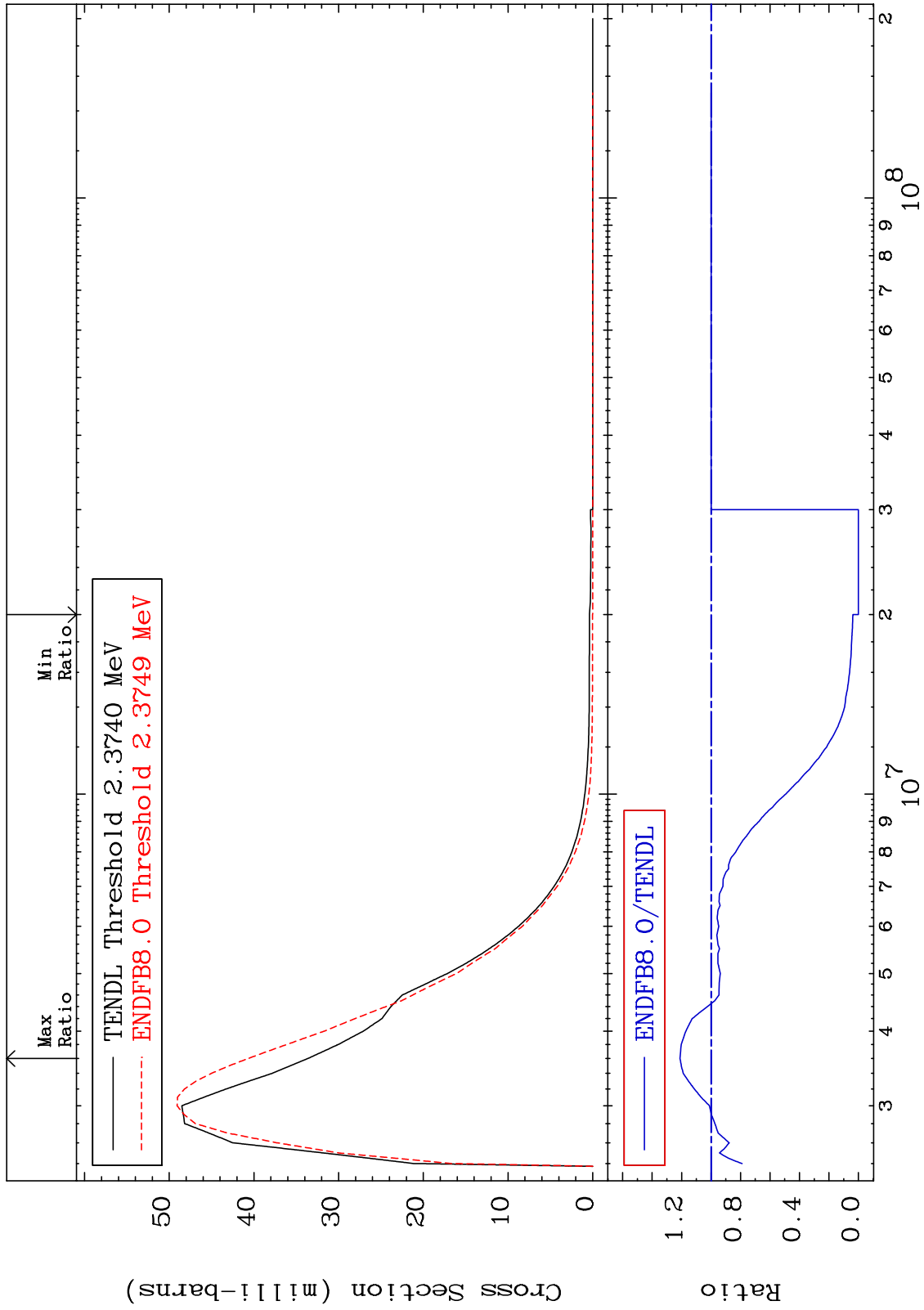
29-Cu-63  
-100.0 To 54.78 %



MAT 2925      MT= 62 (n,n') Level Cross Section      29-Cu-63  
 -100.0 To 47.94 %



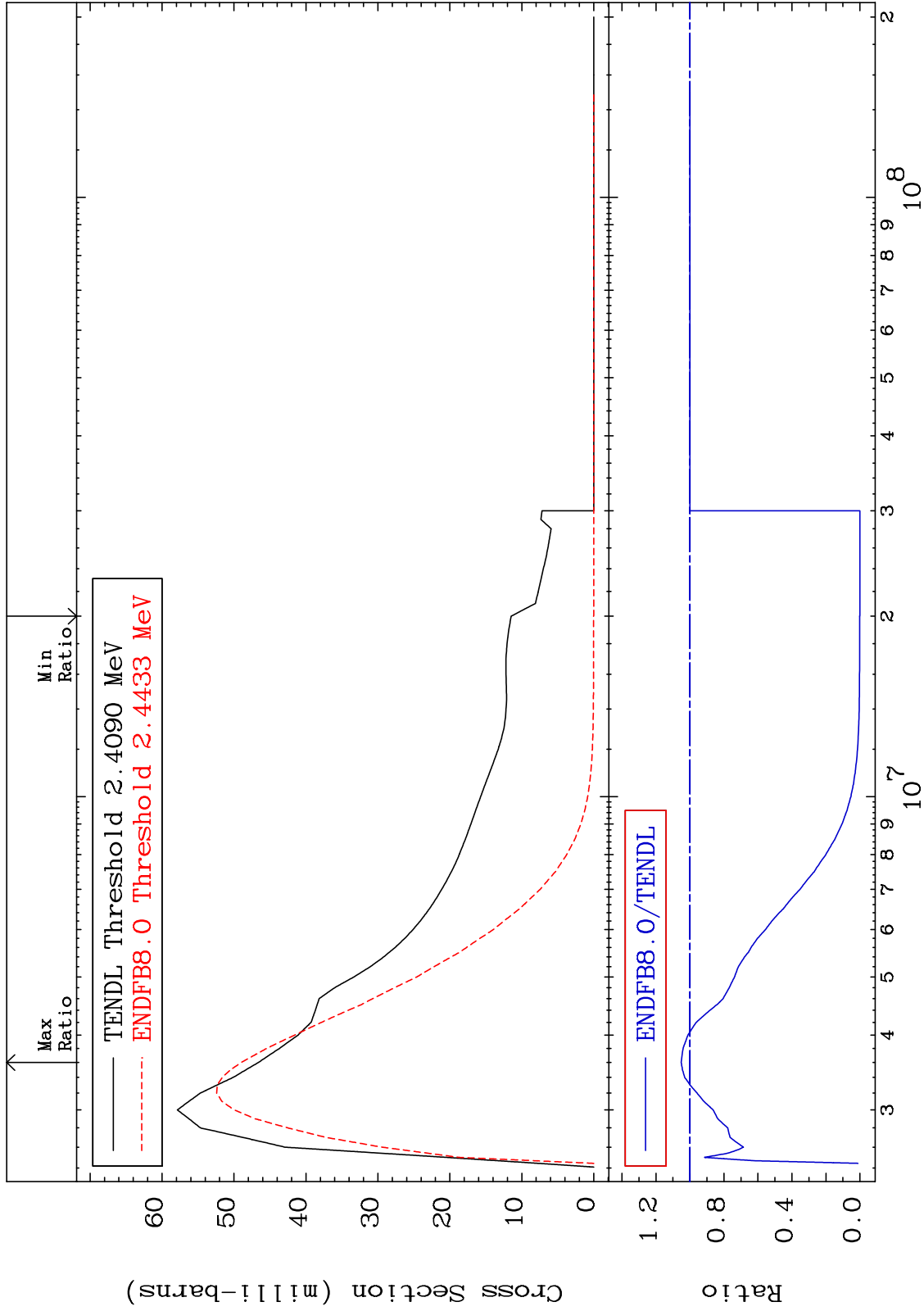
MAT 2925 MT= 63 (n,n') Level Cross Section -100.0 To 21.07 % 29-Cu-63



MAT 2925

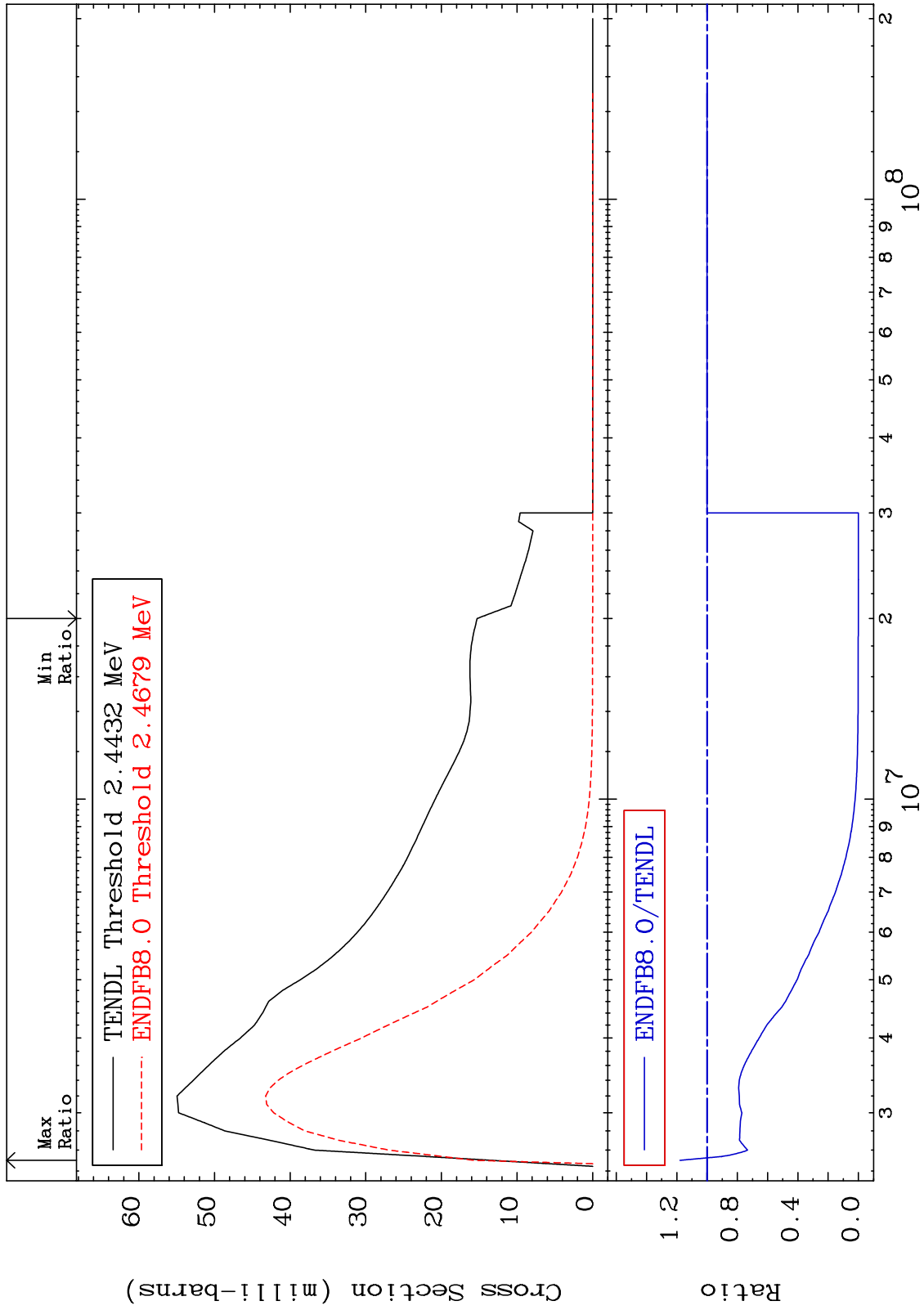
MT= 64 (n,n') Level  
Cross Section

29-Cu-63  
-100.0 To 5.128 %





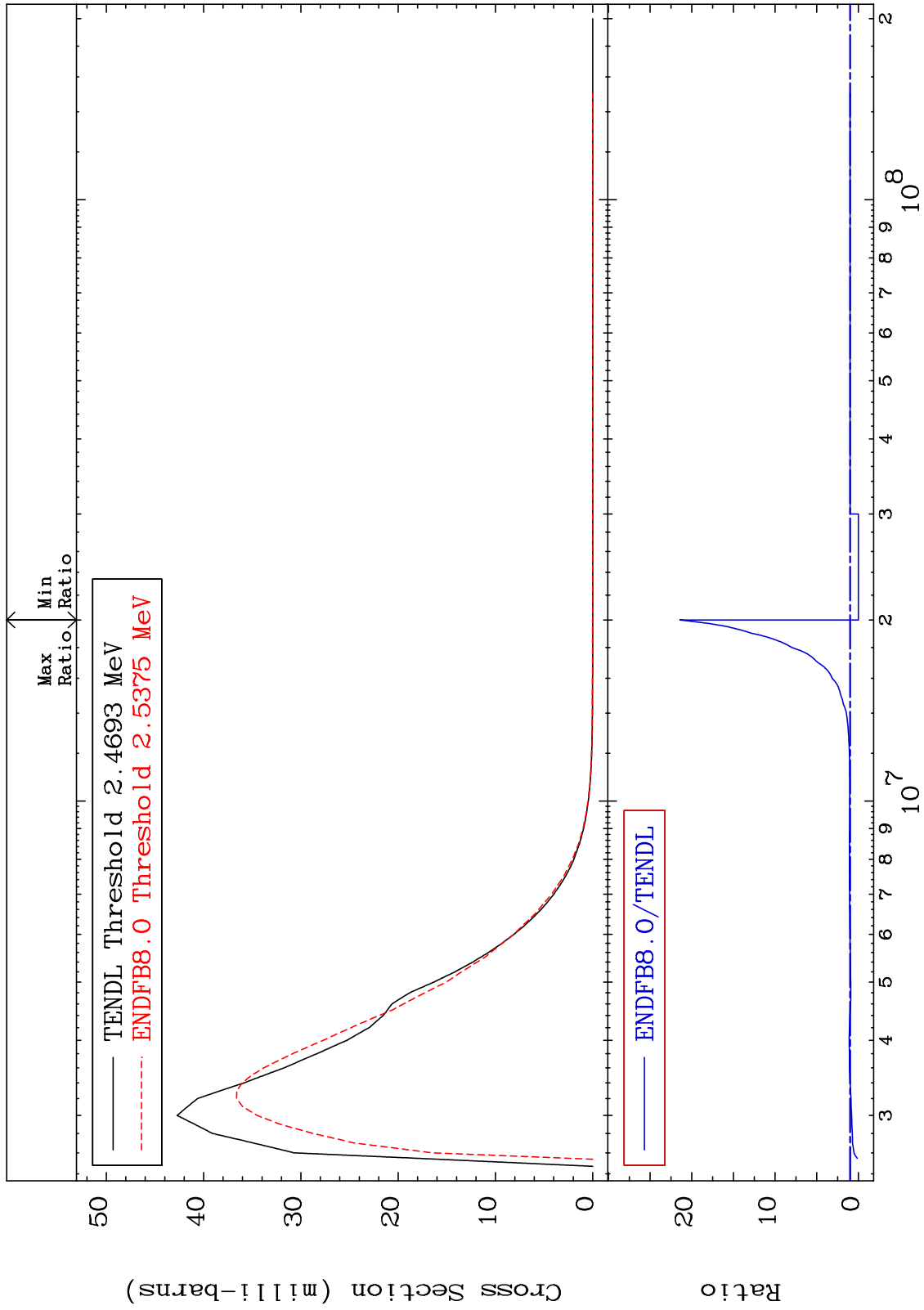
MAT 2925      MT= 65 (n,n') Level      29-Cu-63  
 Cross Section      -100.0 To 17.89 %



MAT 2925

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

29-Cu-63  
-100.0 To 2041. %

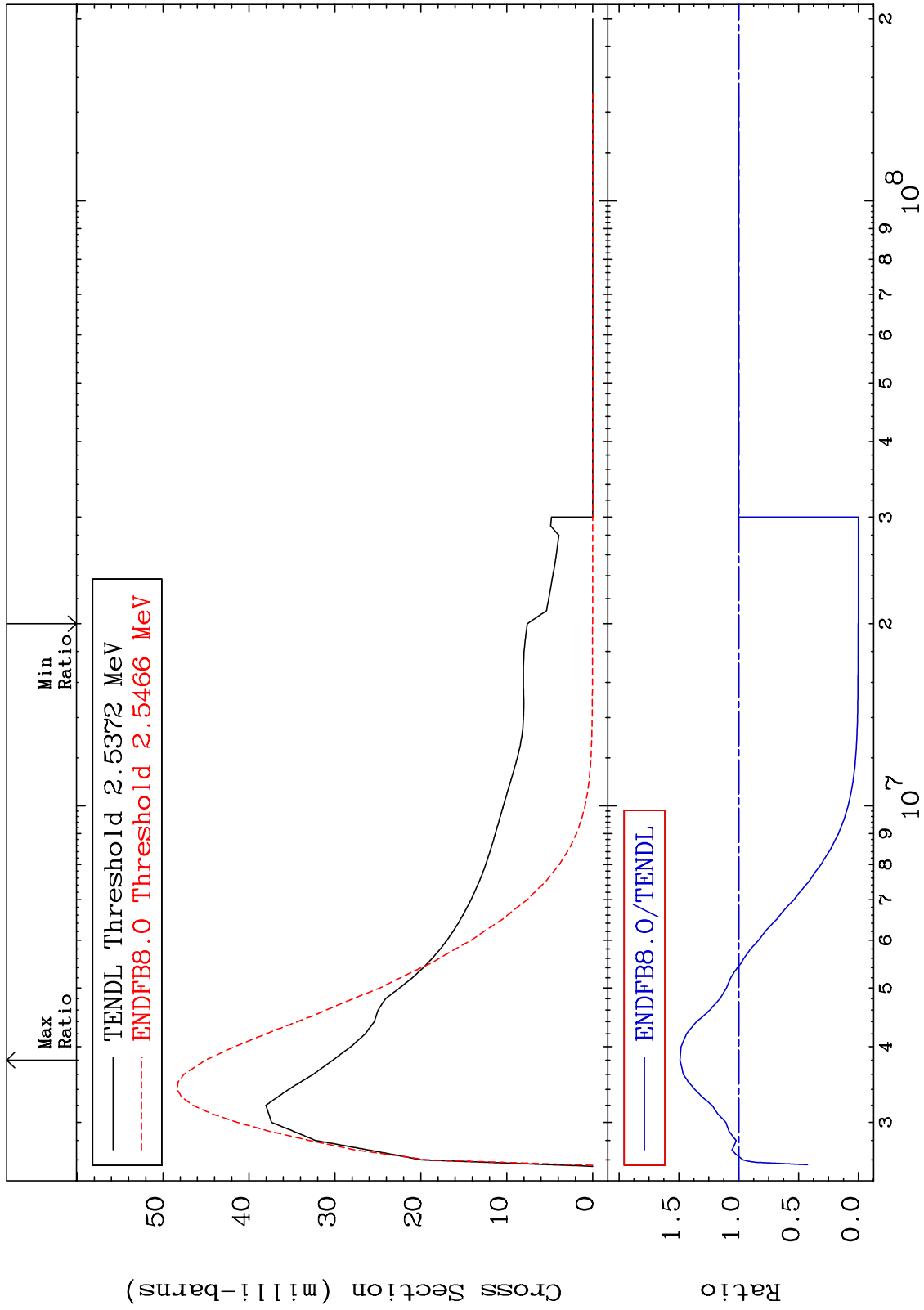


25

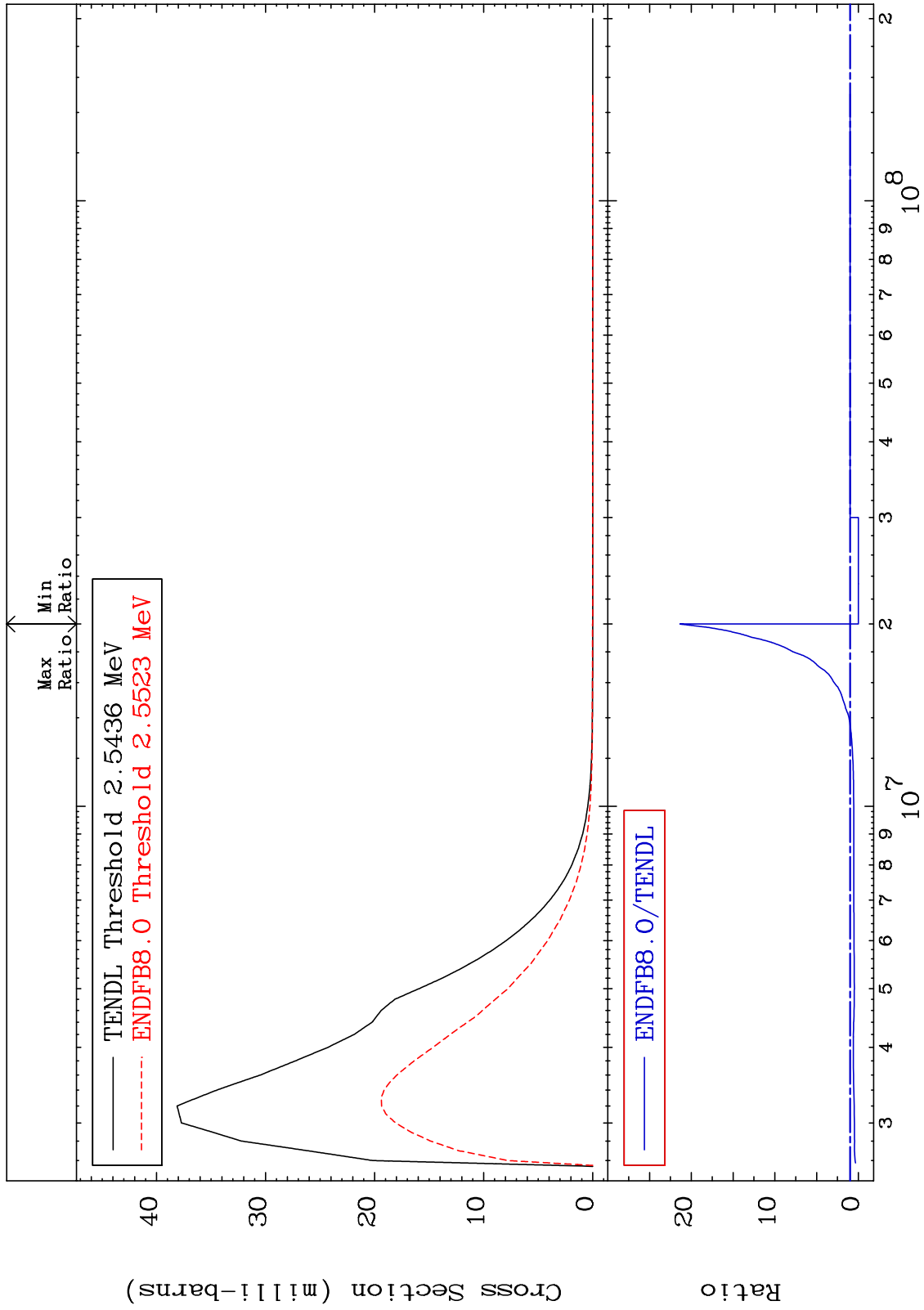
Incident Energy (eV)

29-Cu-63

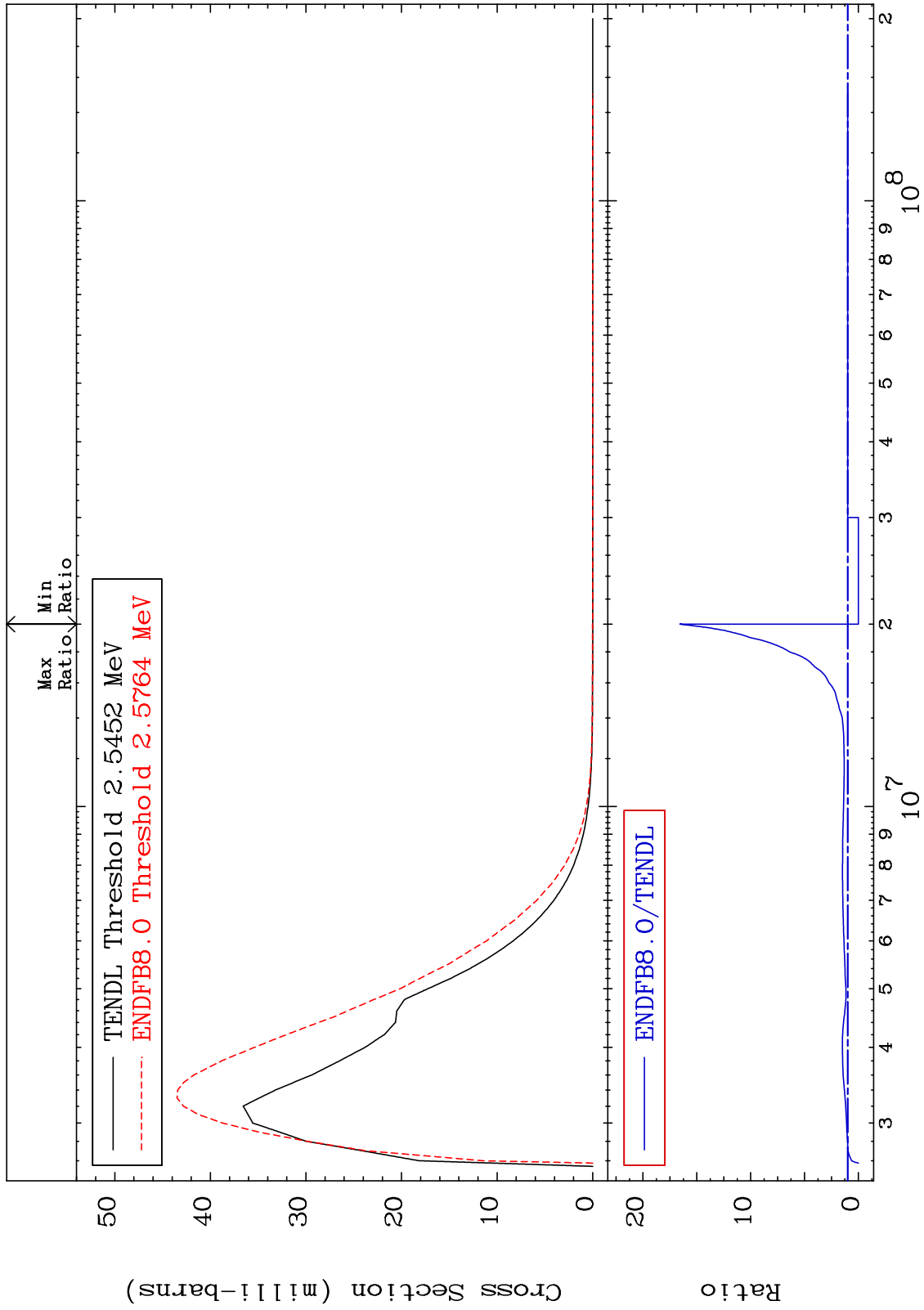
MAT 2925      MT= 67 (n,n') Level      29-Cu-63  
 Cross Section      -100.0 To 49.04 %



MAT 2925      MT= 68 (n,n') Level      29-Cu-63  
 Cross Section      -100.0 To 2035. %



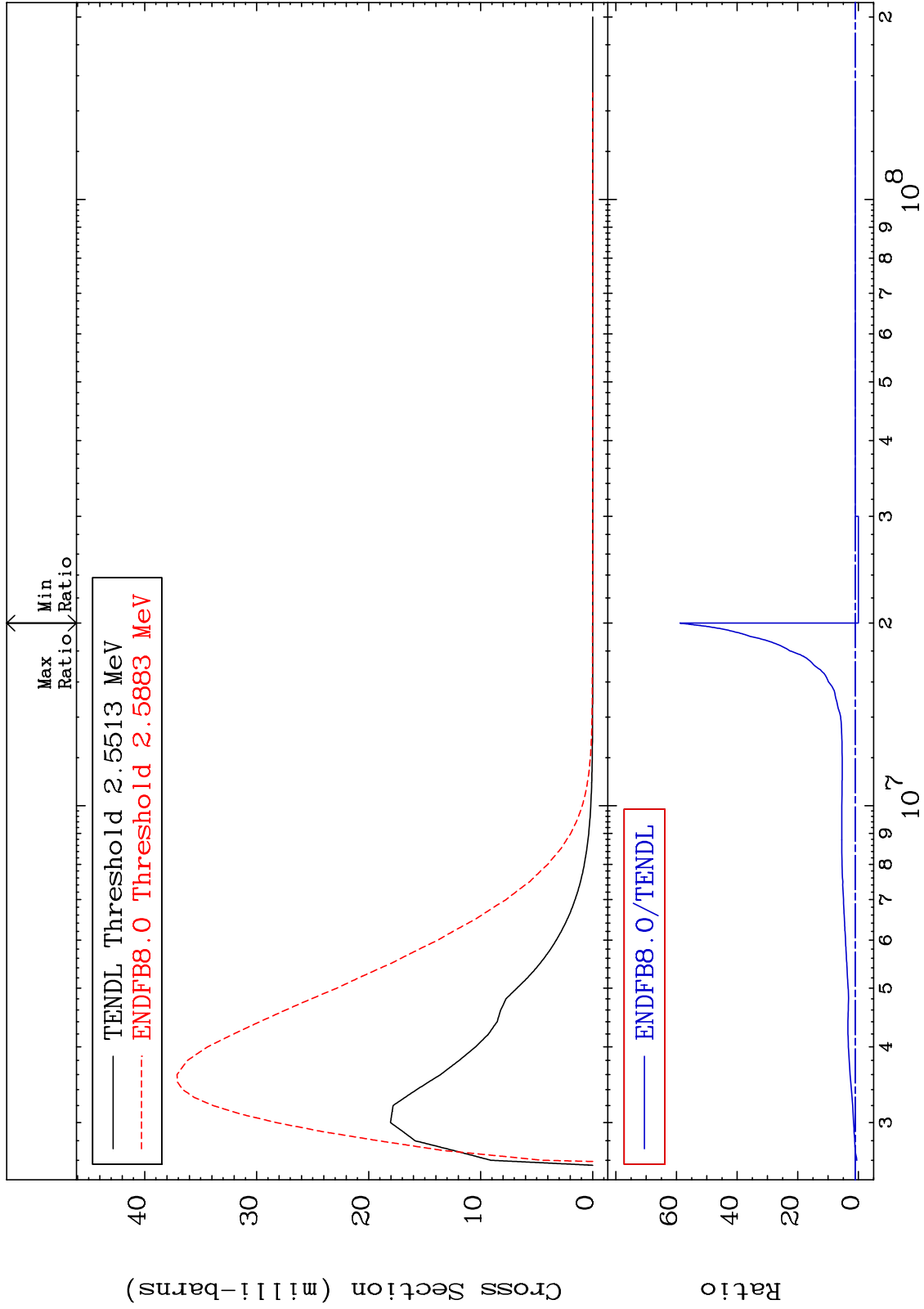
MAT 2925      MT= 69 (n, n') Level      29-Cu-63  
 Cross Section      -100.0 To 1556. %



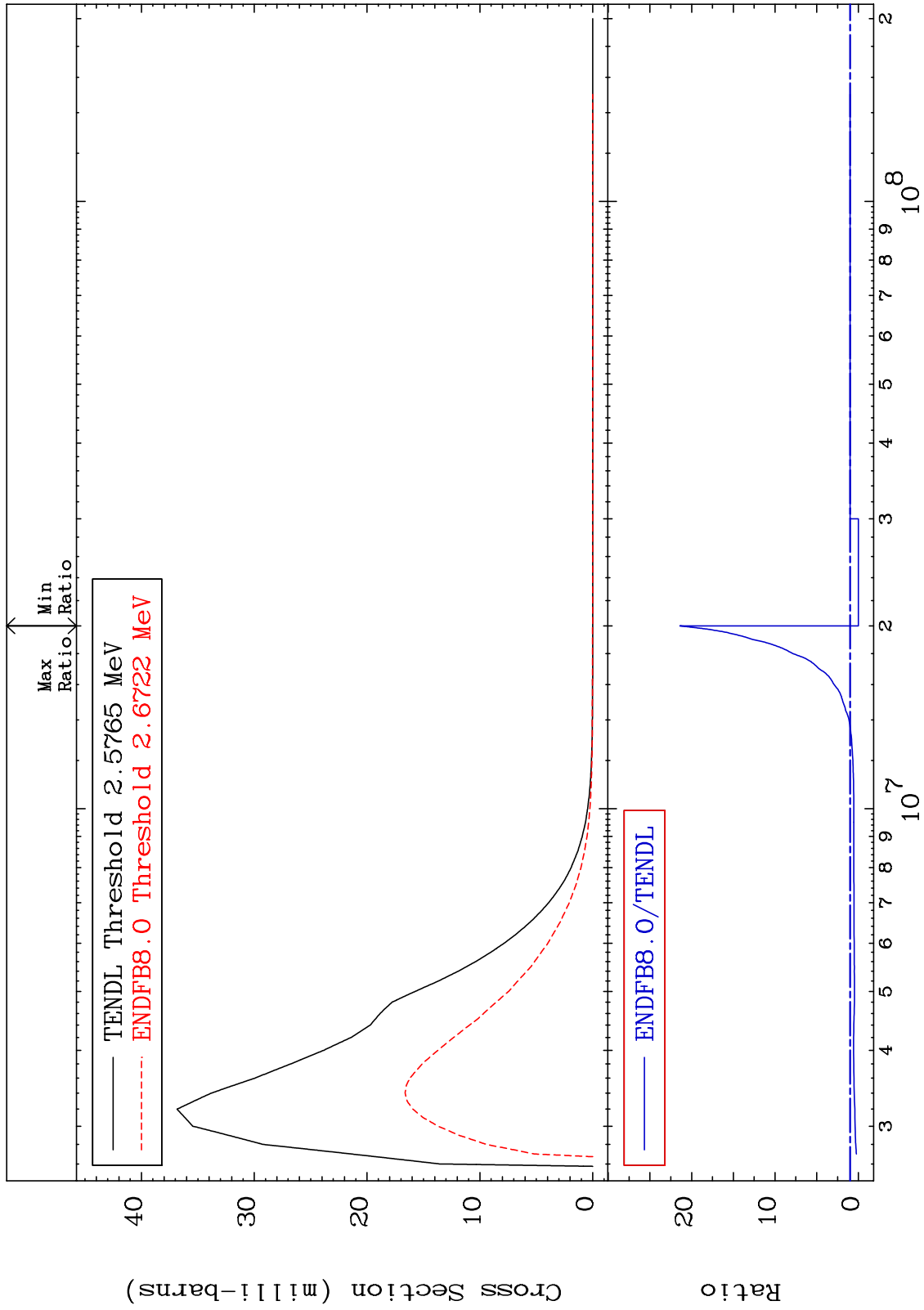
MAT 2925

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

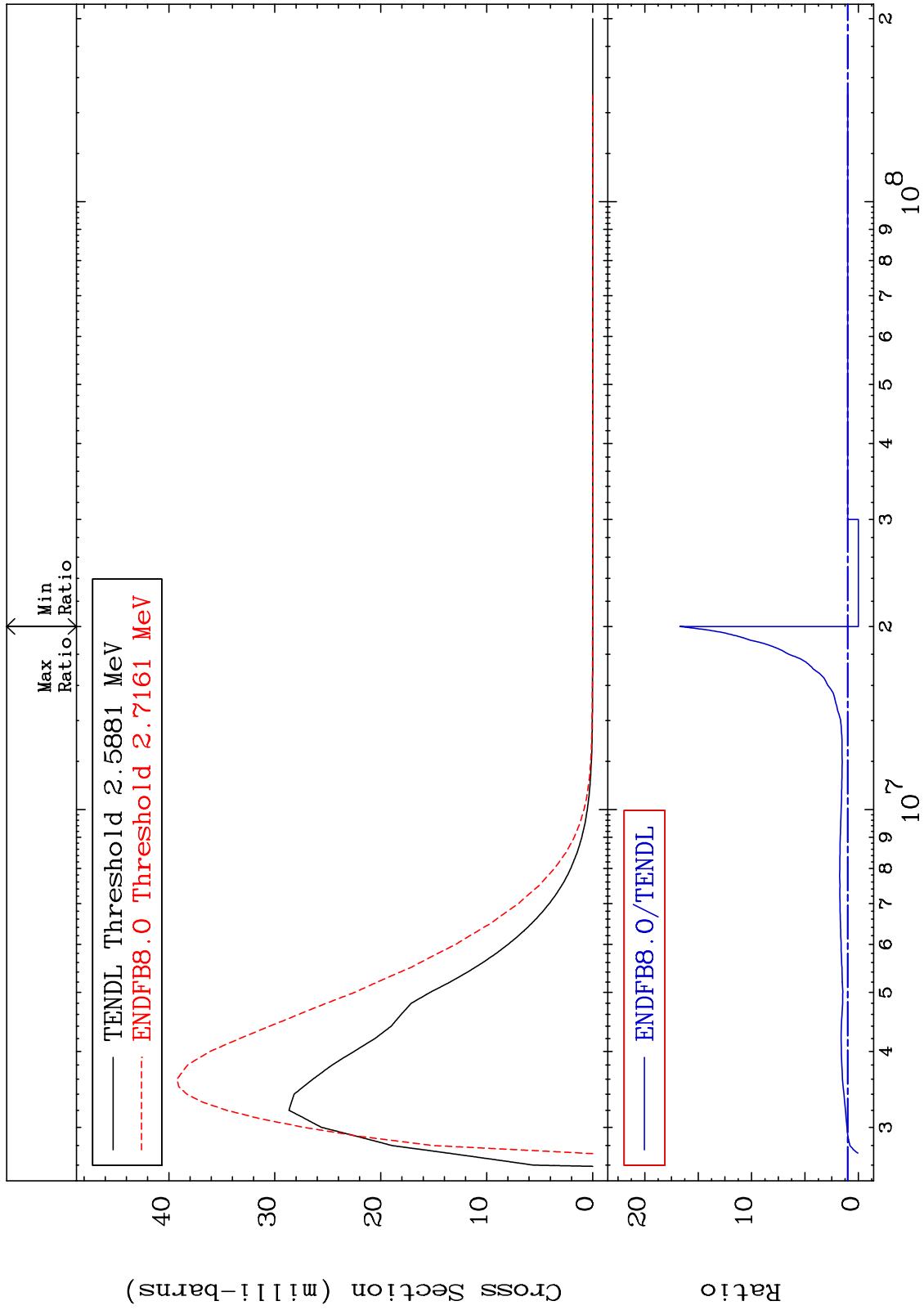
29-Cu-63  
-100.0 To 5785. %



MAT 2925      MT= 71 (n,n') Level      29-Cu-63  
 Cross Section      -100.0 To 2039. %

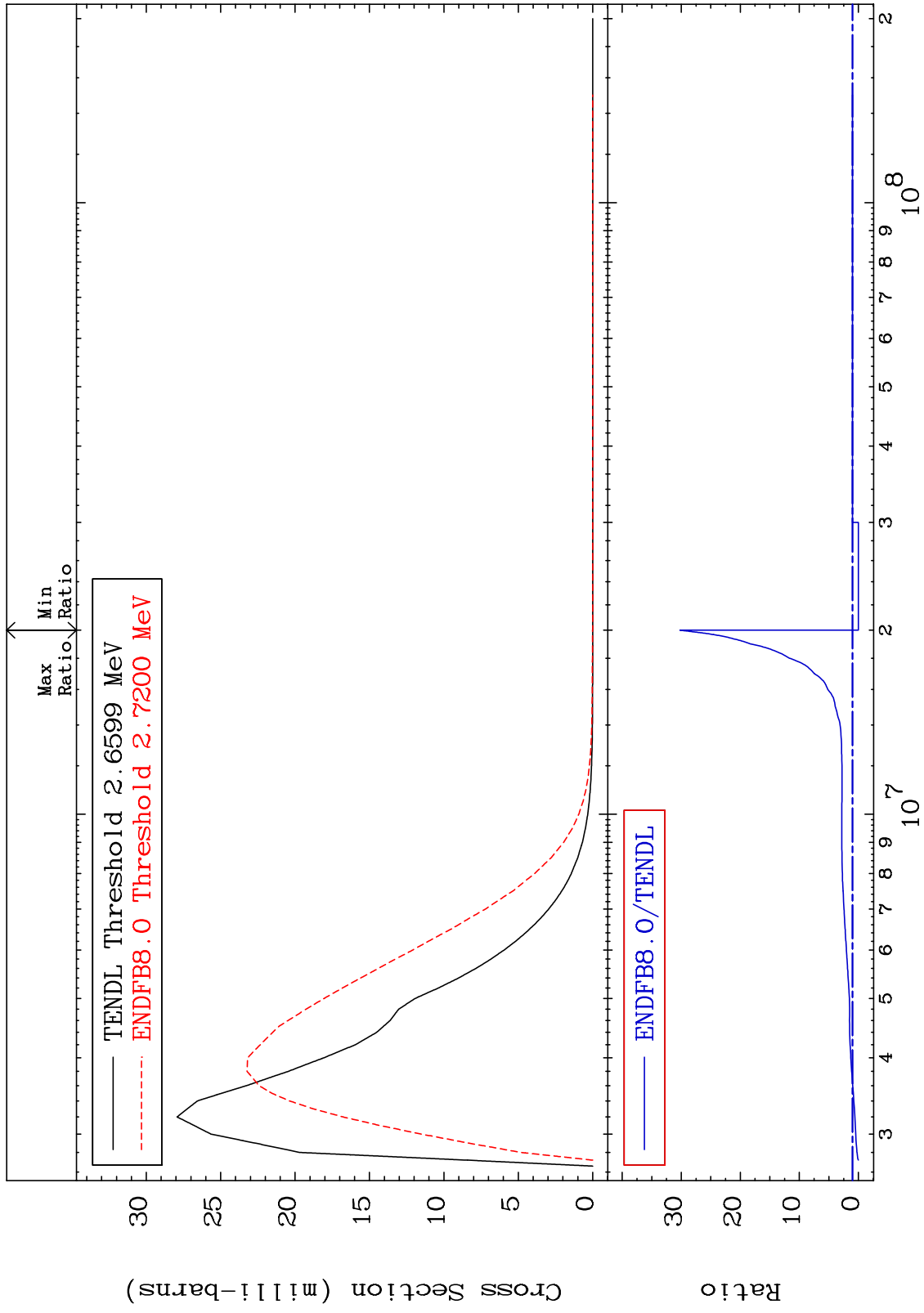


MAT 2925      MT= 72 (n,n') Level      29-Cu-63  
 Cross Section      -100.0 To 1570. %

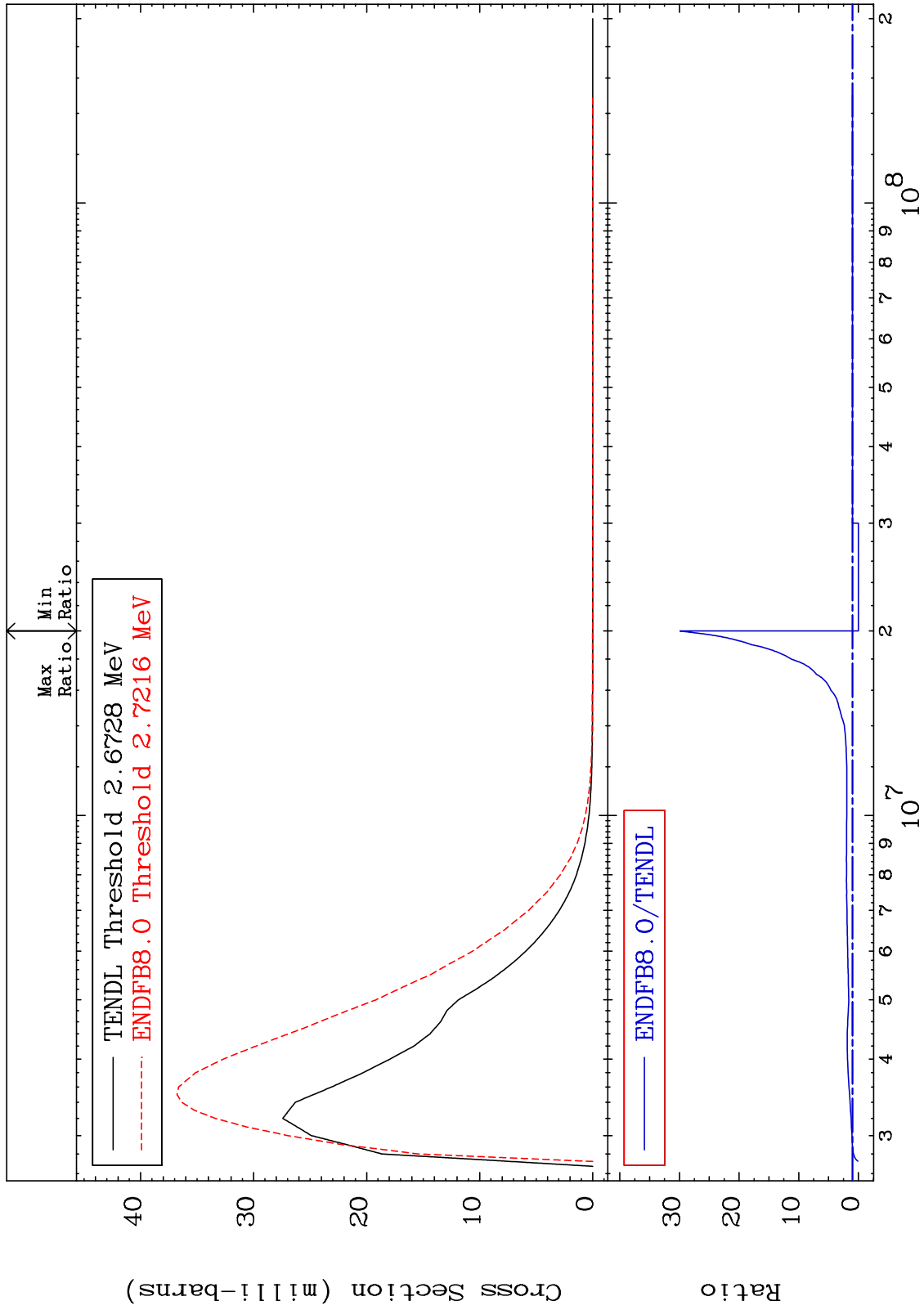




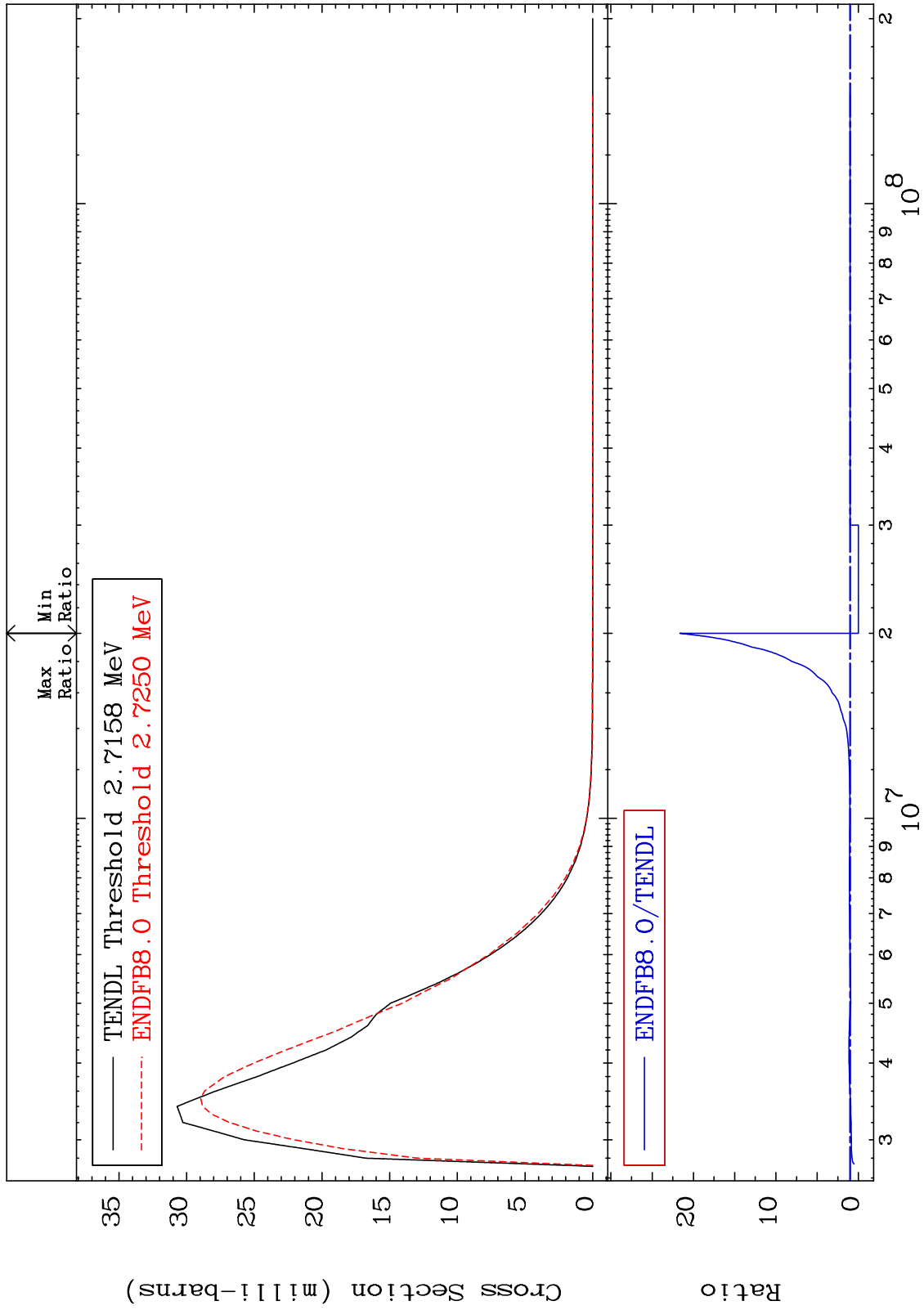
MAT 2925      MT= 73 (n,n') Level      29-Cu-63  
 Cross Section      -100.0 To 2921. %

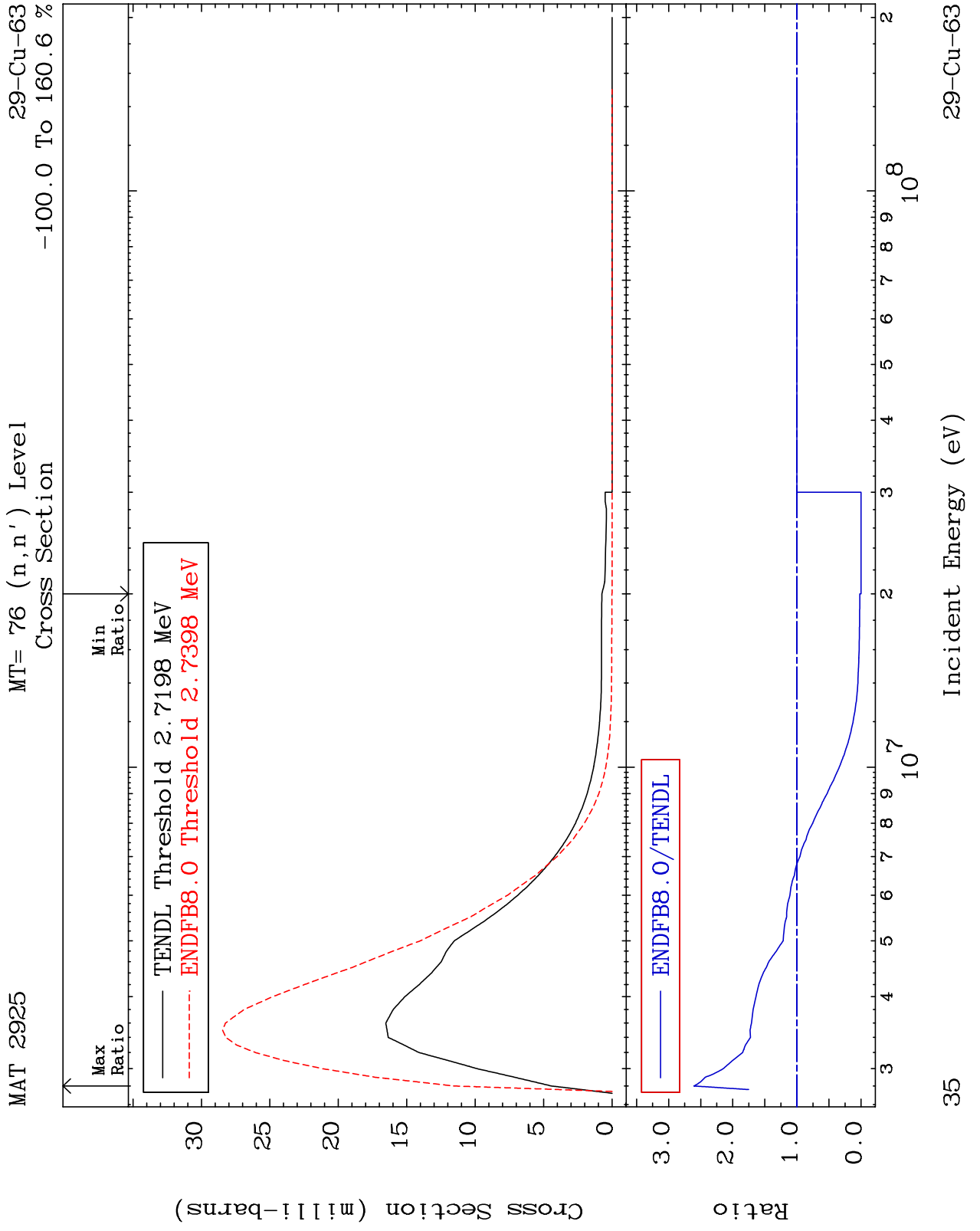


MAT 2925      MT= 74 (n,n') Level      29-Cu-63  
 Cross Section      -100.0 To 2891. %



MAT 2925      MT= 75 (n,n') Level      29-Cu-63  
 Cross Section      -100.0 To 2062. %

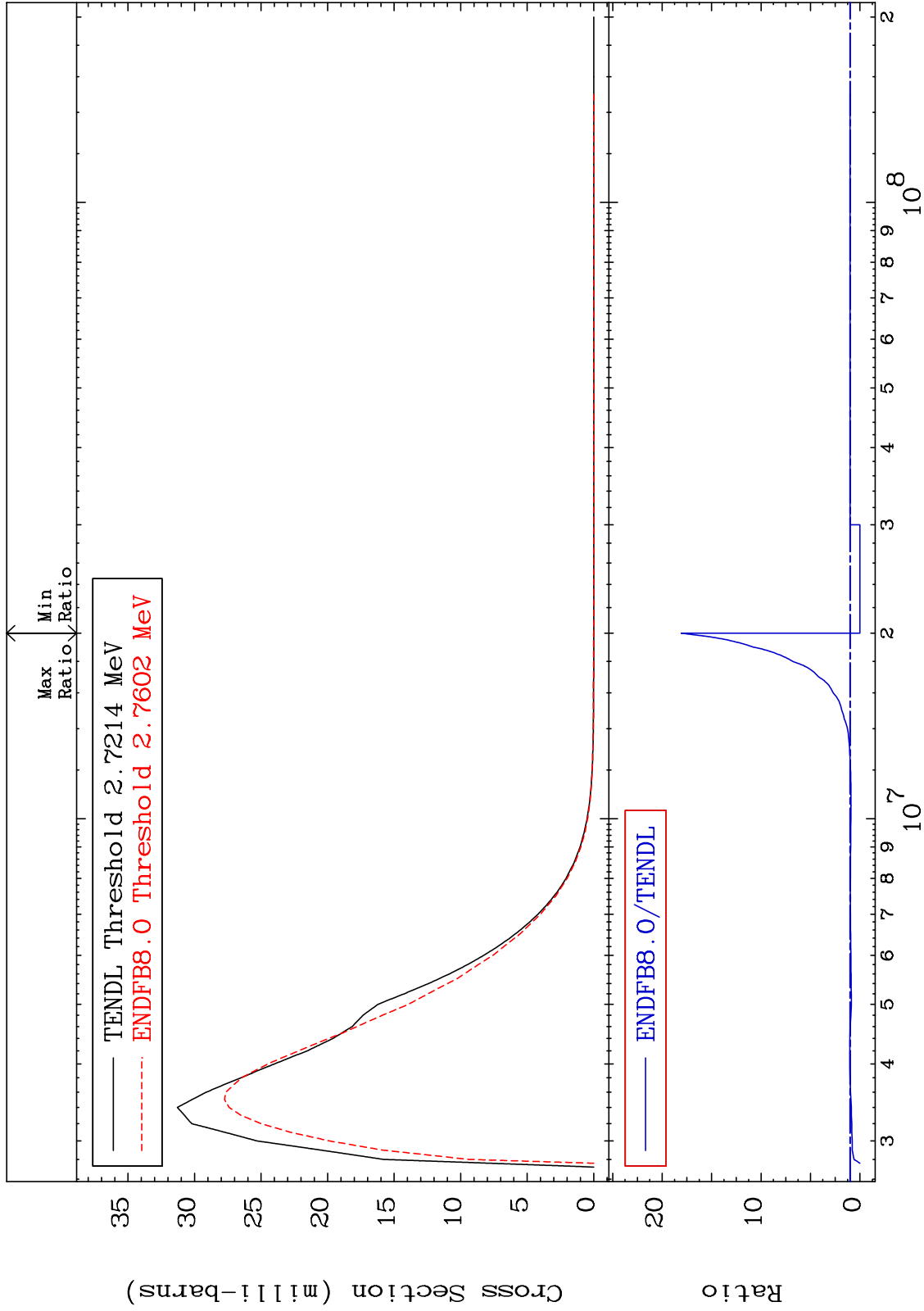




MAT 2925

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

29-Cu-63  
-100.0 To 1707. %



— TENDL Threshold 2.7214 MeV  
- - - ENDFB8.0 Threshold 2.7602 MeV

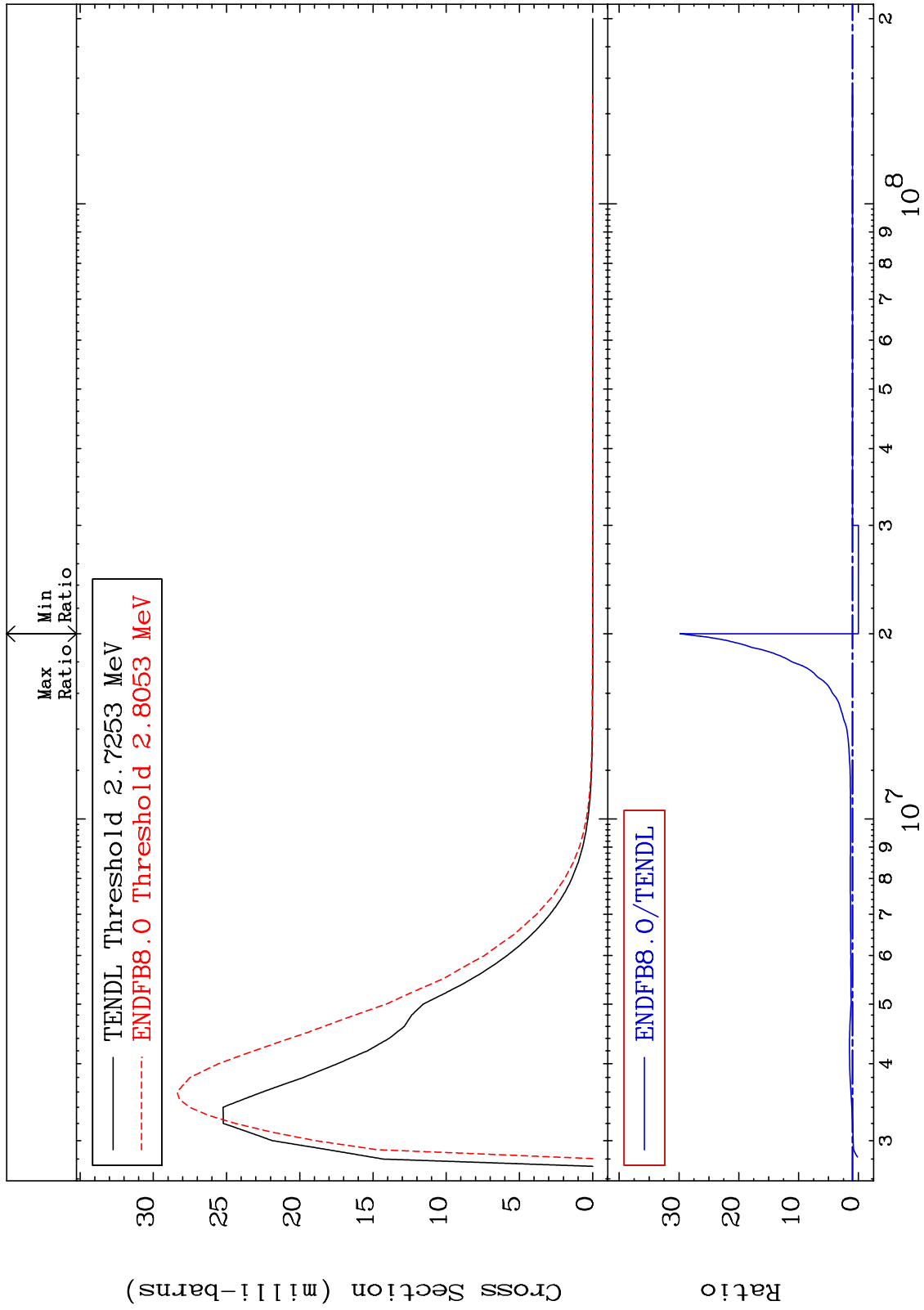
— ENDFB8.0/TENDL

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Incident Energy (eV)

29-Cu-63

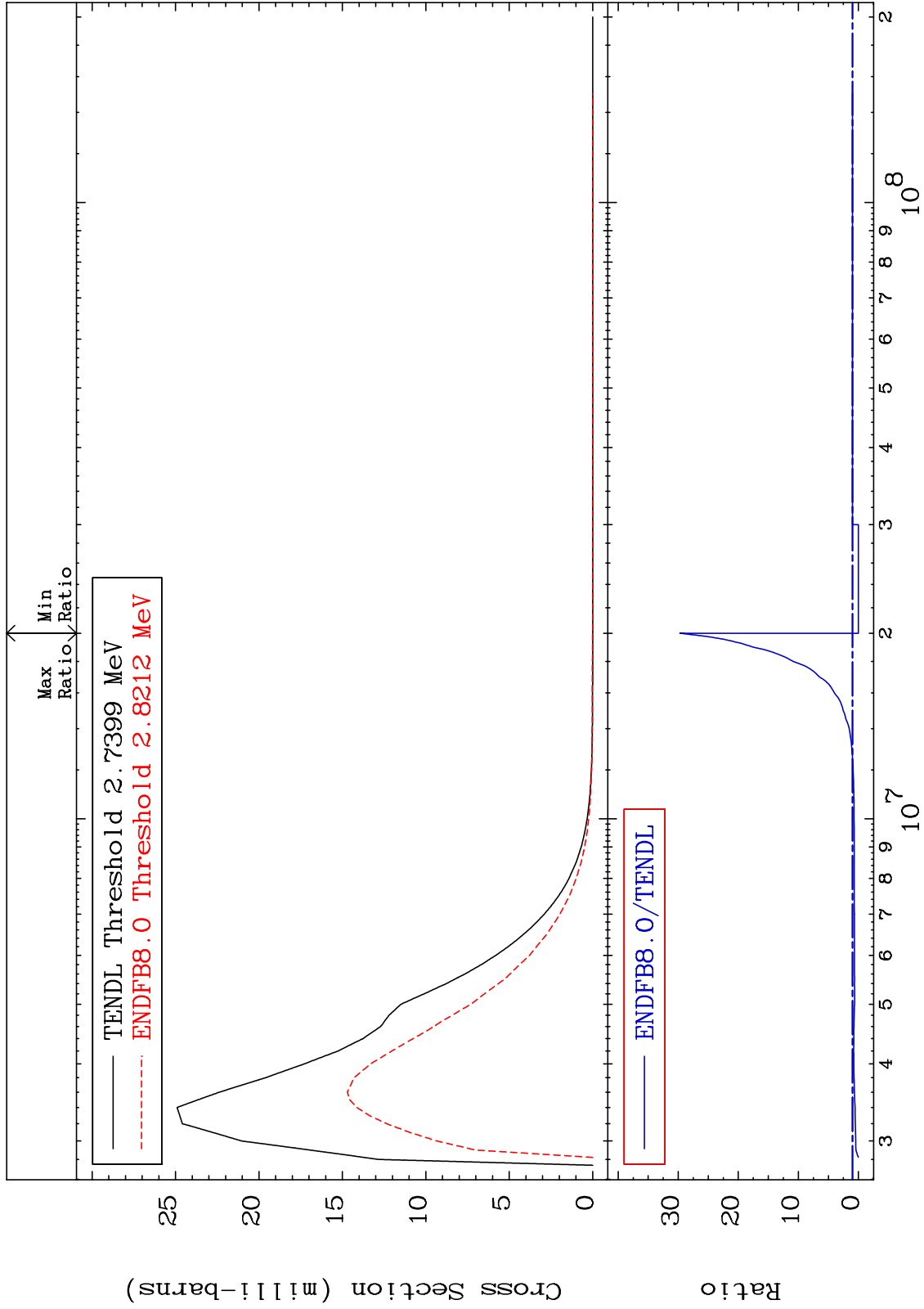
MAT 2925      MT= 78 (n,n') Level Cross Section      29-Cu-63  
 -100.0 To 2883. %



MAT 2925

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

29-Cu-63  
-100.0 To 2870. %



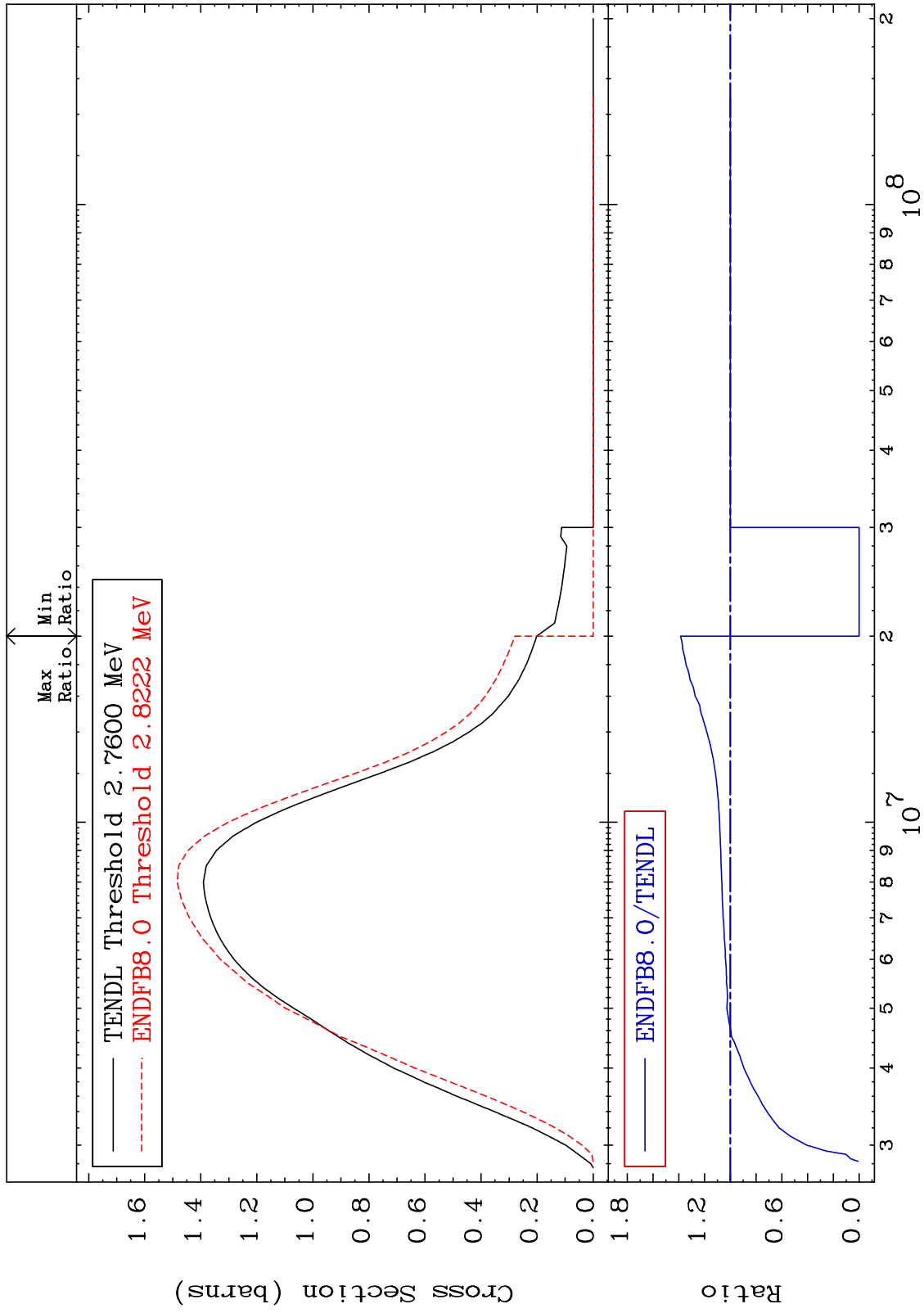
38

29-Cu-63

MAT 2925

(n, n') Continuum  
Cross Section

29-Cu-63  
-100.0 To 38.62 %



39

Incident Energy (eV)

29-Cu-63



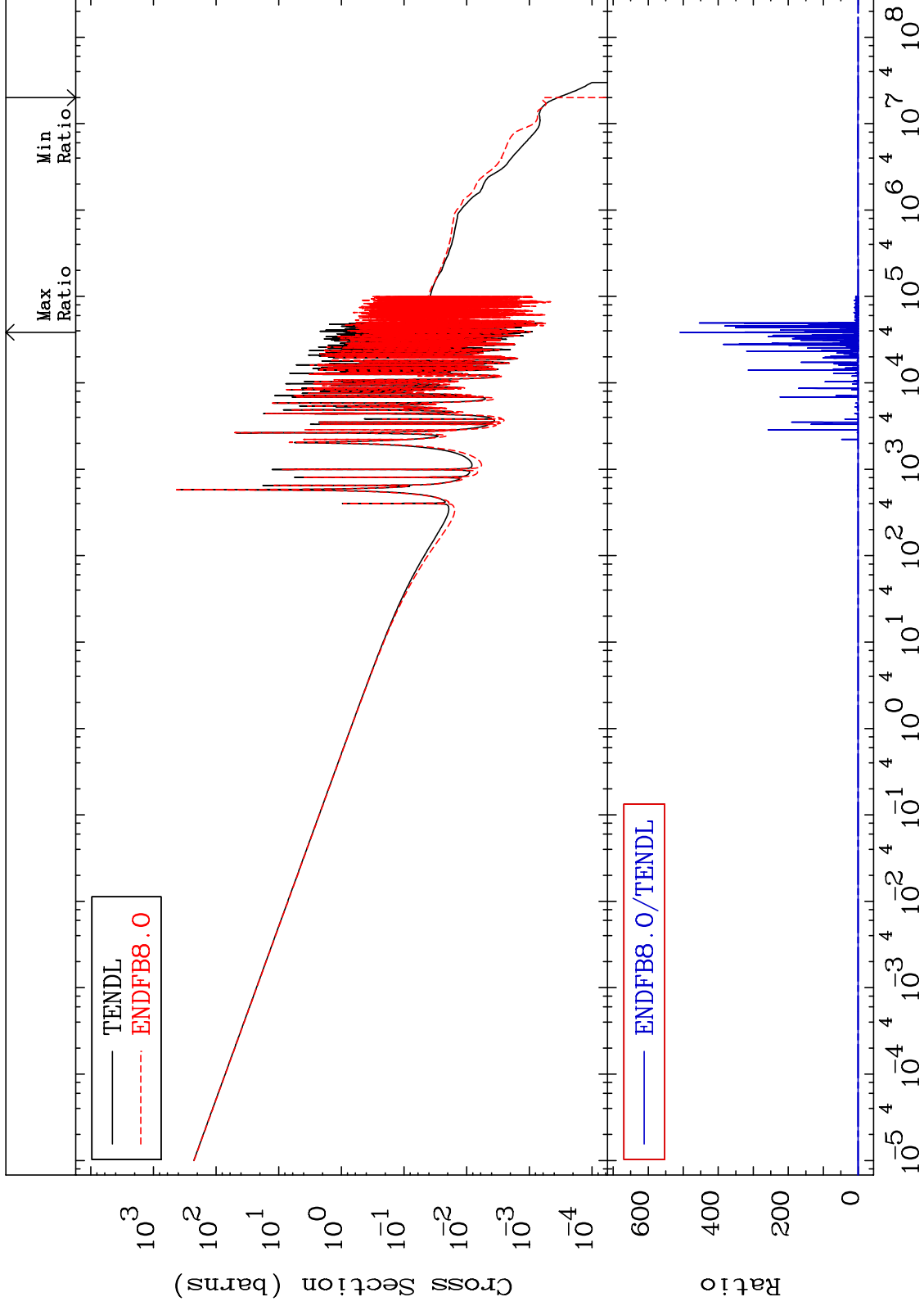
MAT 2925

(n,  $\gamma$ )

29-Cu-63

Cross Section

-100.0 To 9999. %



40

Incident Energy (eV)

29-Cu-63

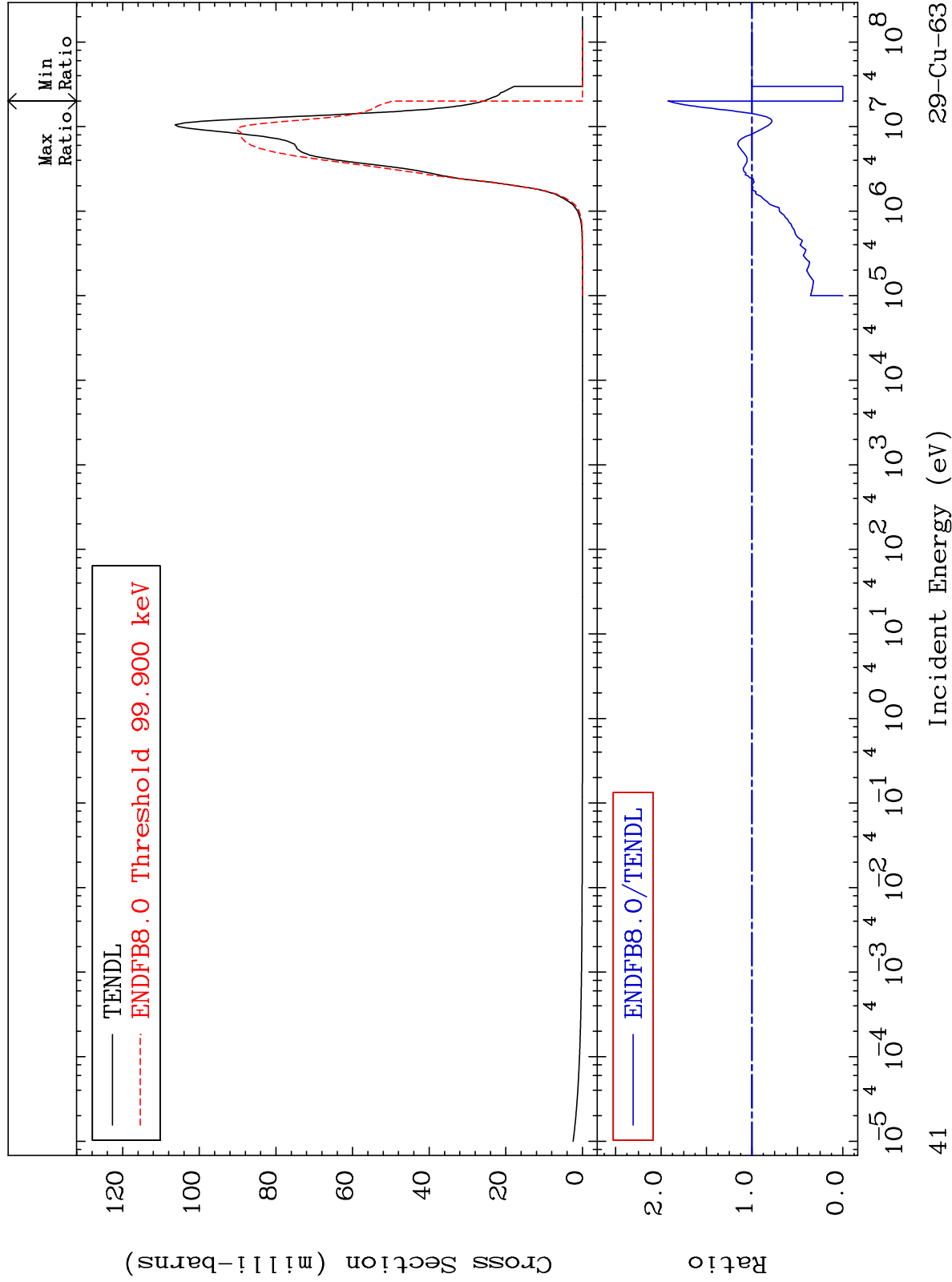
MAT 2925

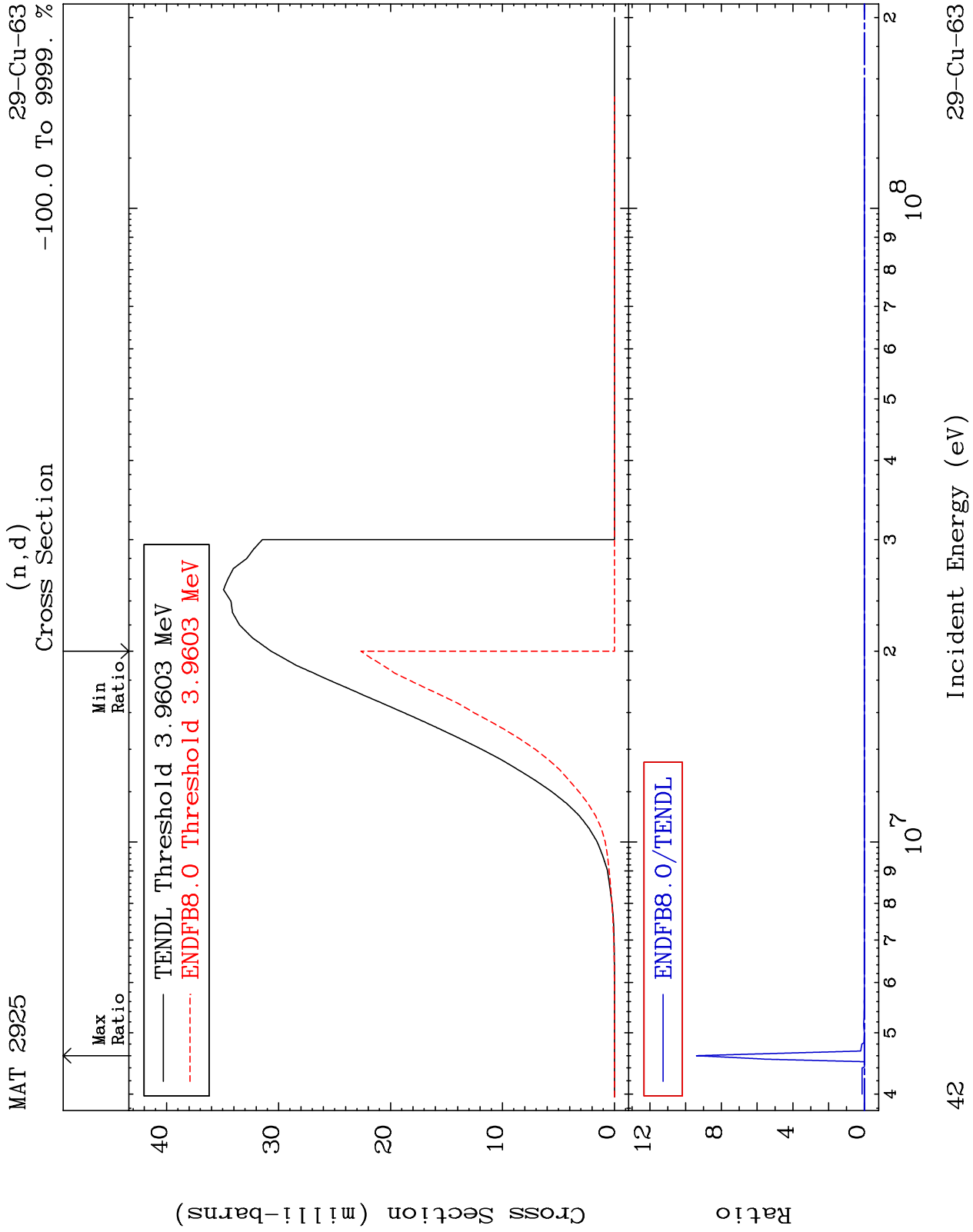
(n, p)

Cross Section

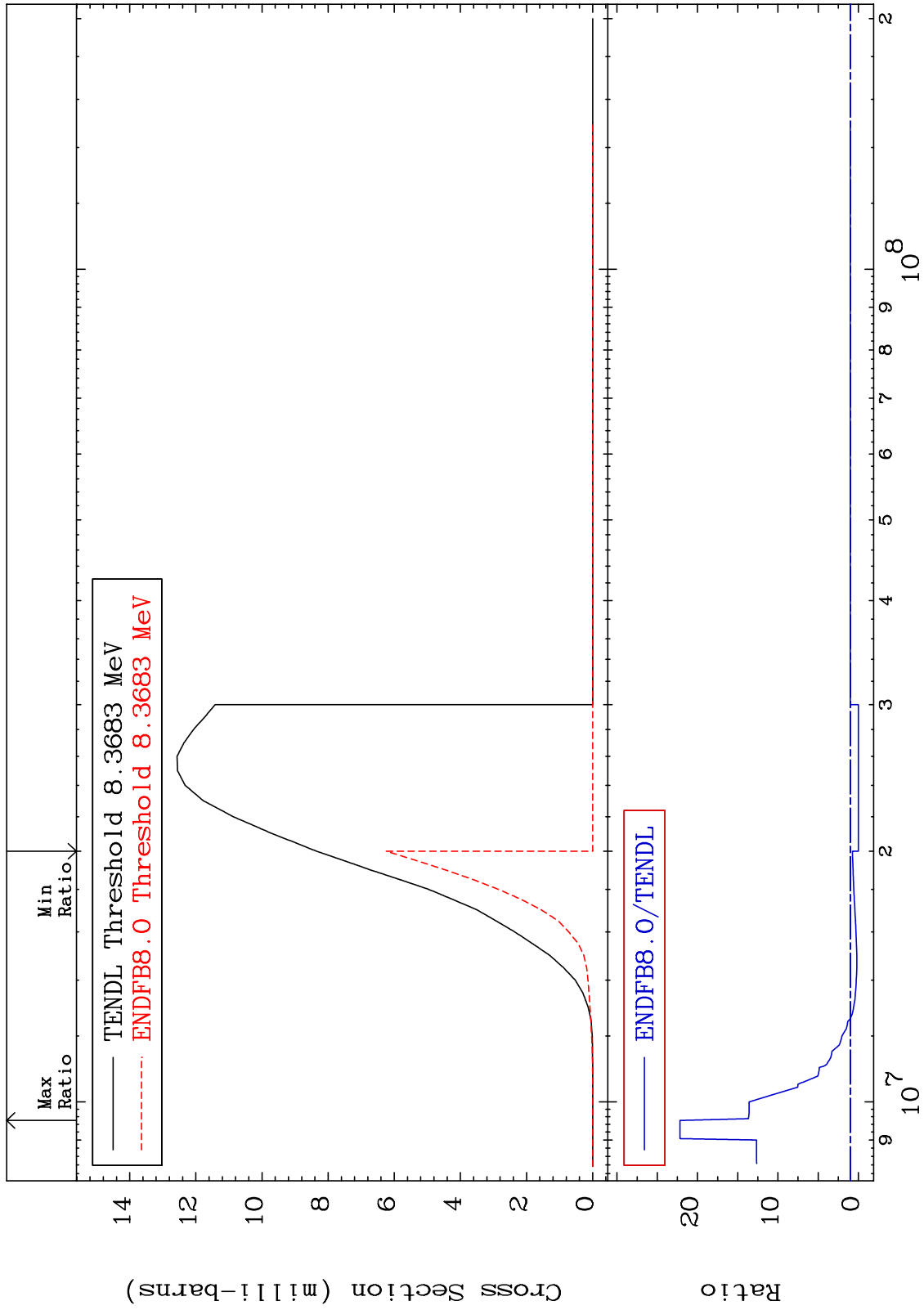
29-Cu-63

-100.0 To 92.37 %





MAT 2925 (n, t) Cross Section 29-Cu-63 -100.0 To 2117. %



43 Incident Energy (eV) 29-Cu-63

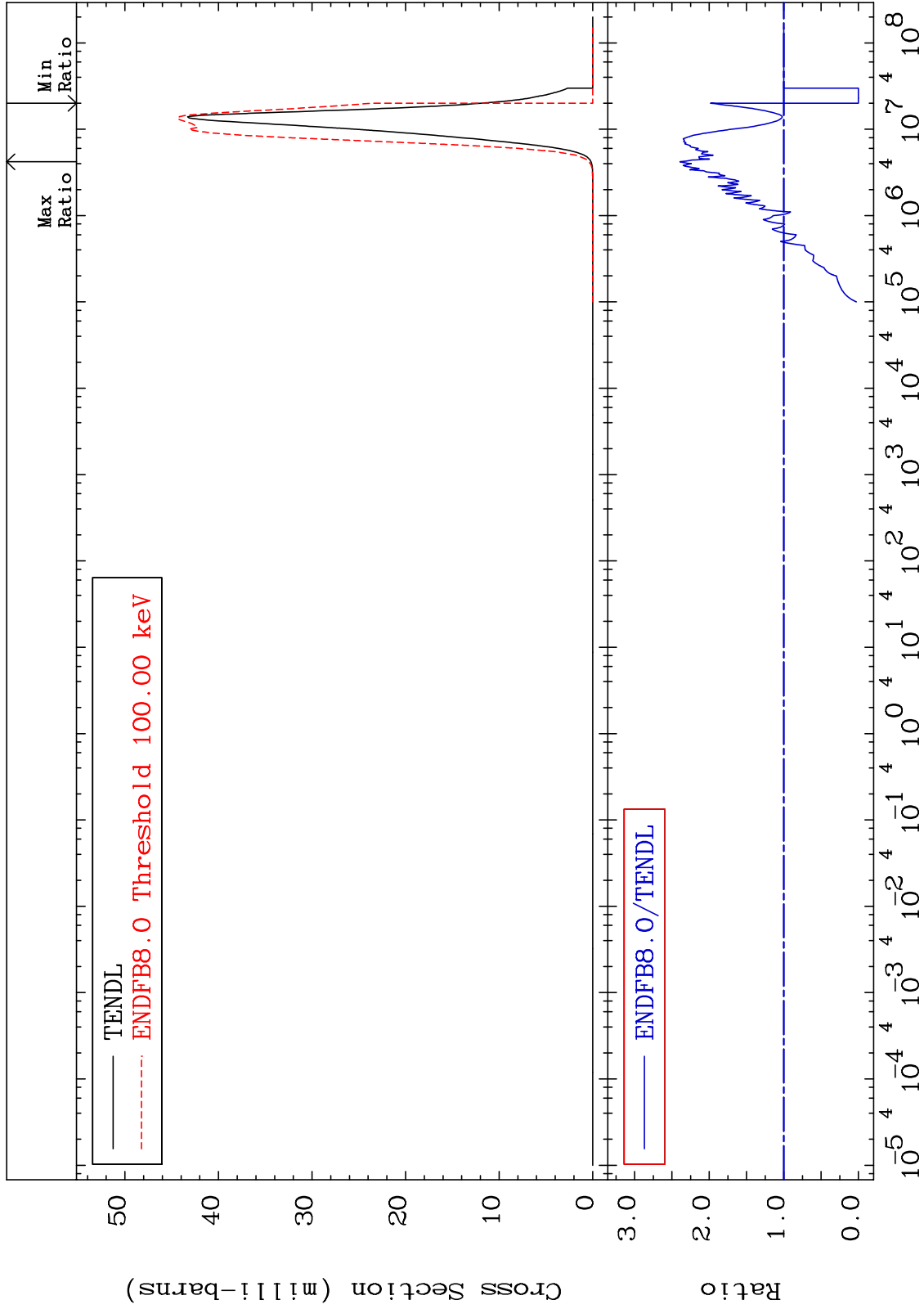
MAT 2925

(n,  $\alpha$ )

29-Cu-63

Cross Section

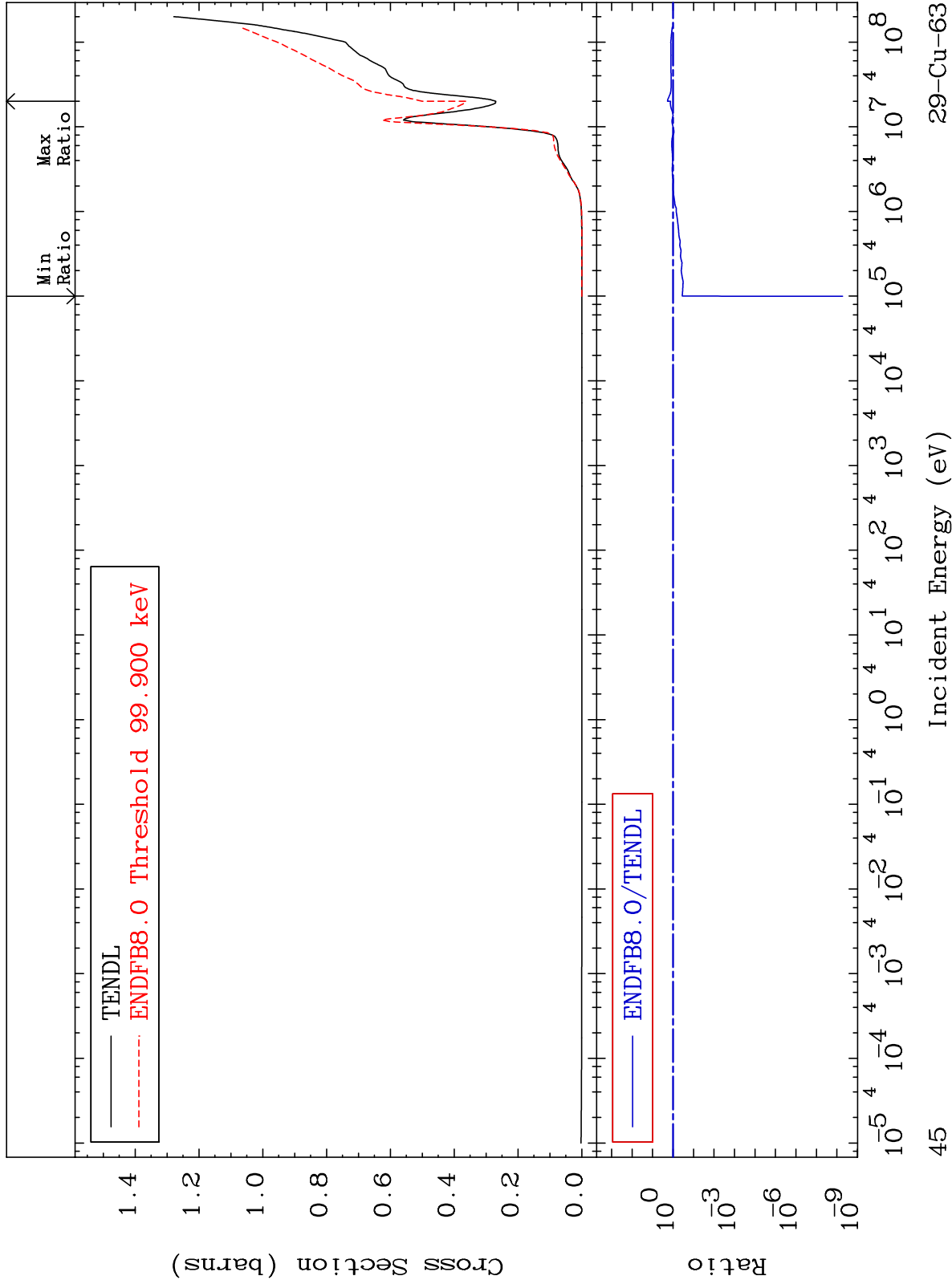
-100.0 To 139.2 %



MAT 2925

### Hydrogen Production Cross Section

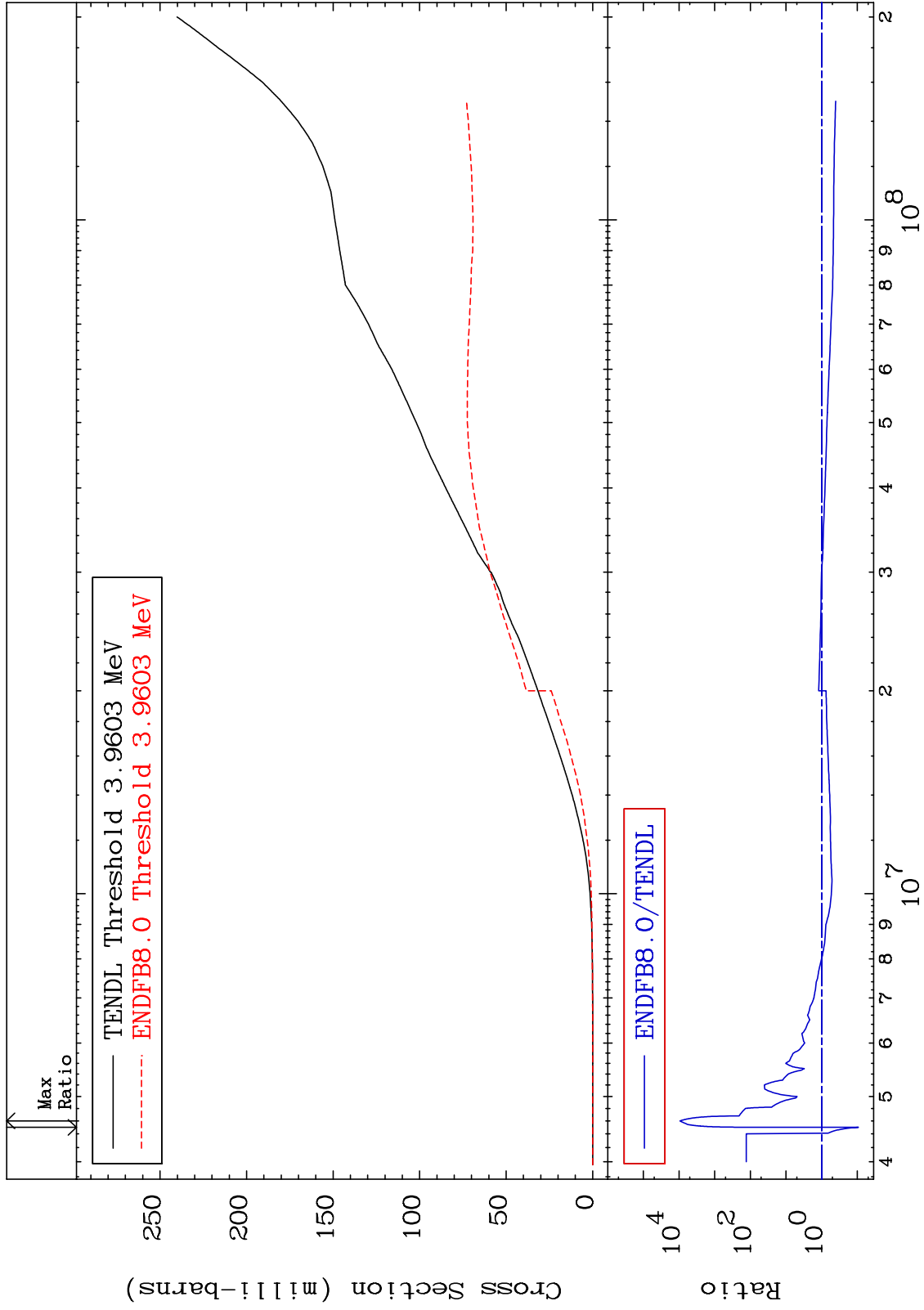
29-Cu-63  
-100.0 To 85.12 %



MAT 2925

Deuterium Production  
Cross Section

<sup>29</sup>-Cu-63  
-90.65 To 9999. %



46

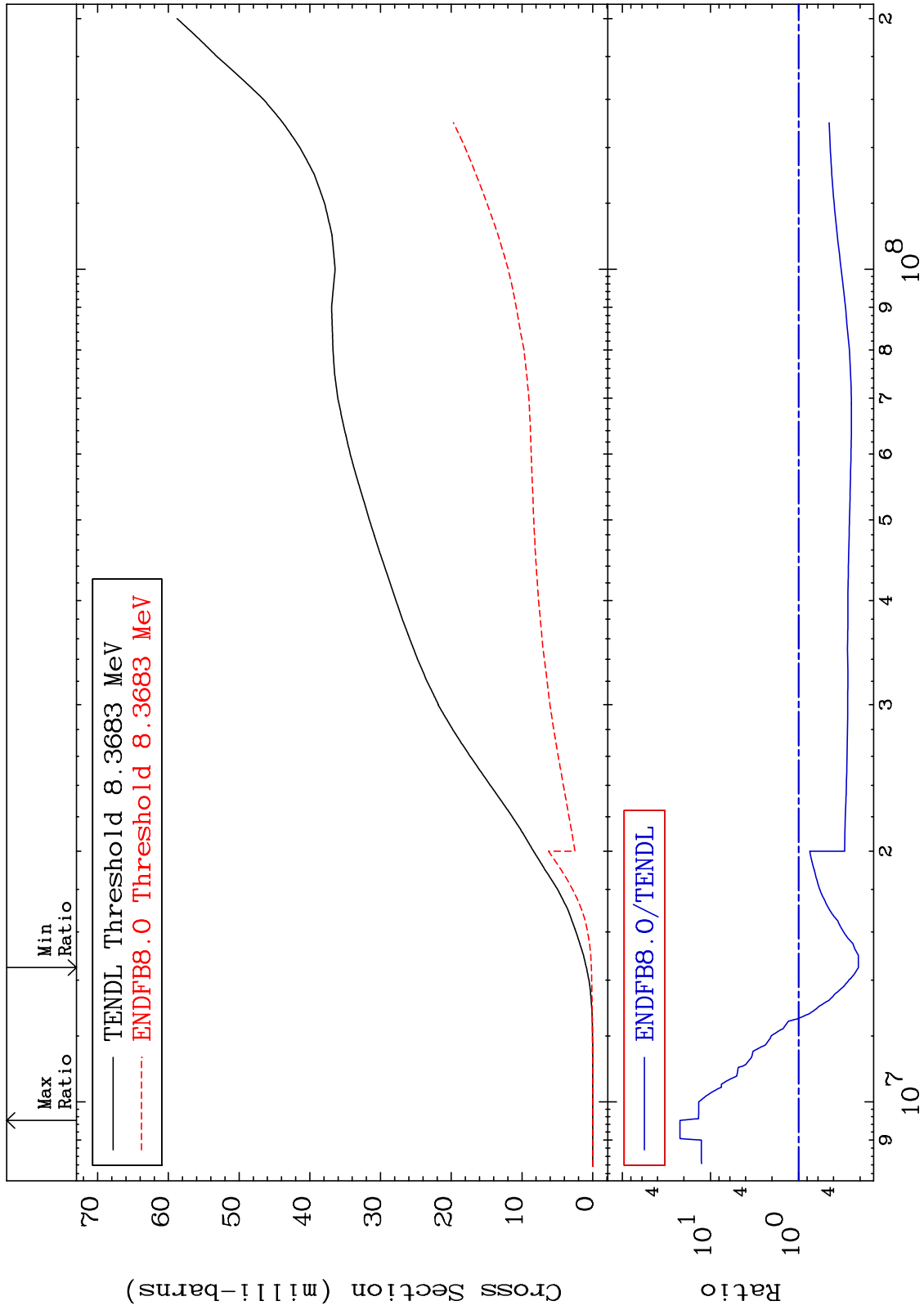
Incident Energy (eV)

<sup>29</sup>-Cu-63

MAT 2925

Tritium Production  
Cross Section

<sup>29</sup>Cu-63  
-79.12 To 2117. %



47

Incident Energy (eV)

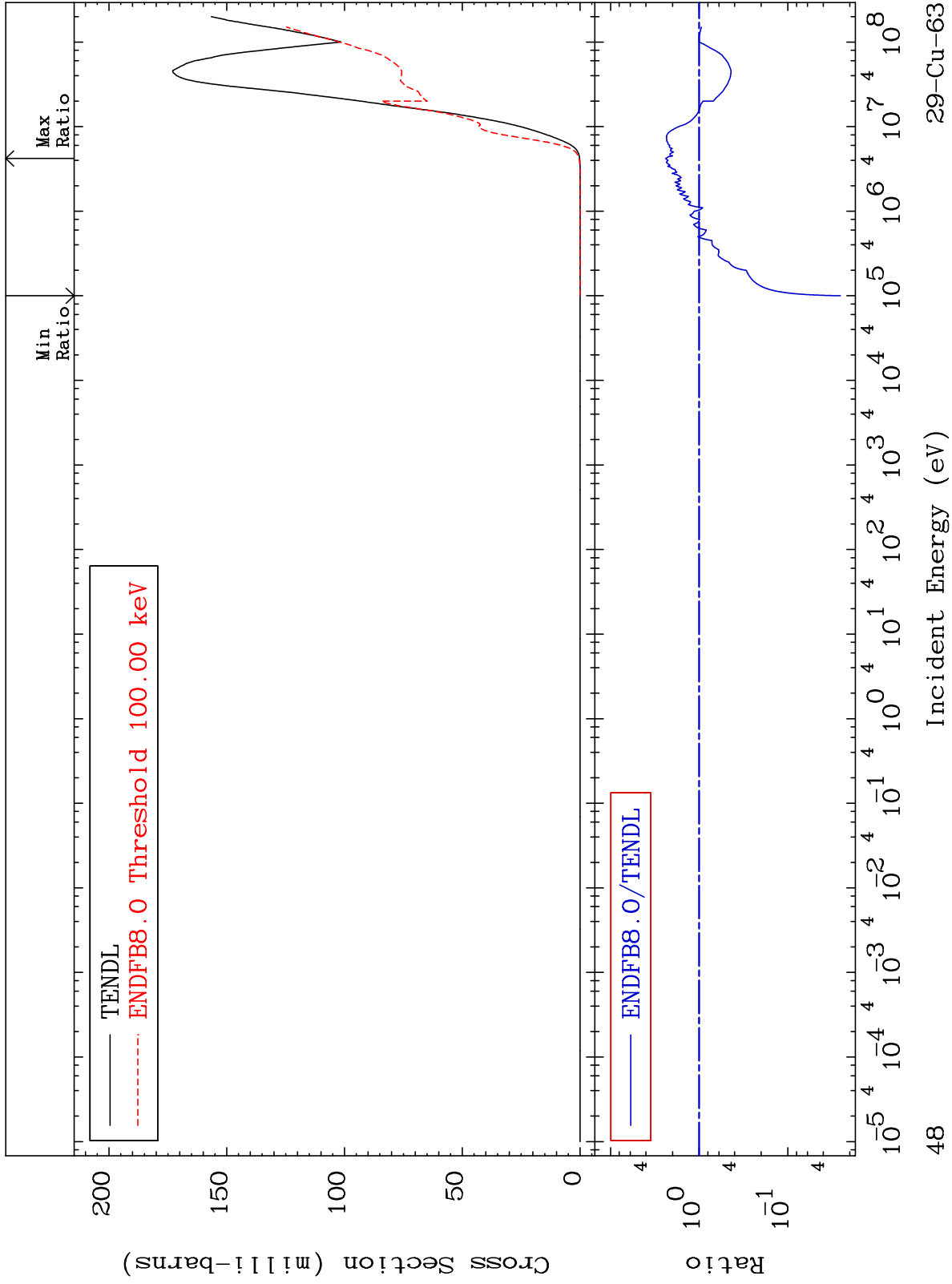
<sup>29</sup>Cu-63



MAT 2925

He-4 Production  
Cross Section

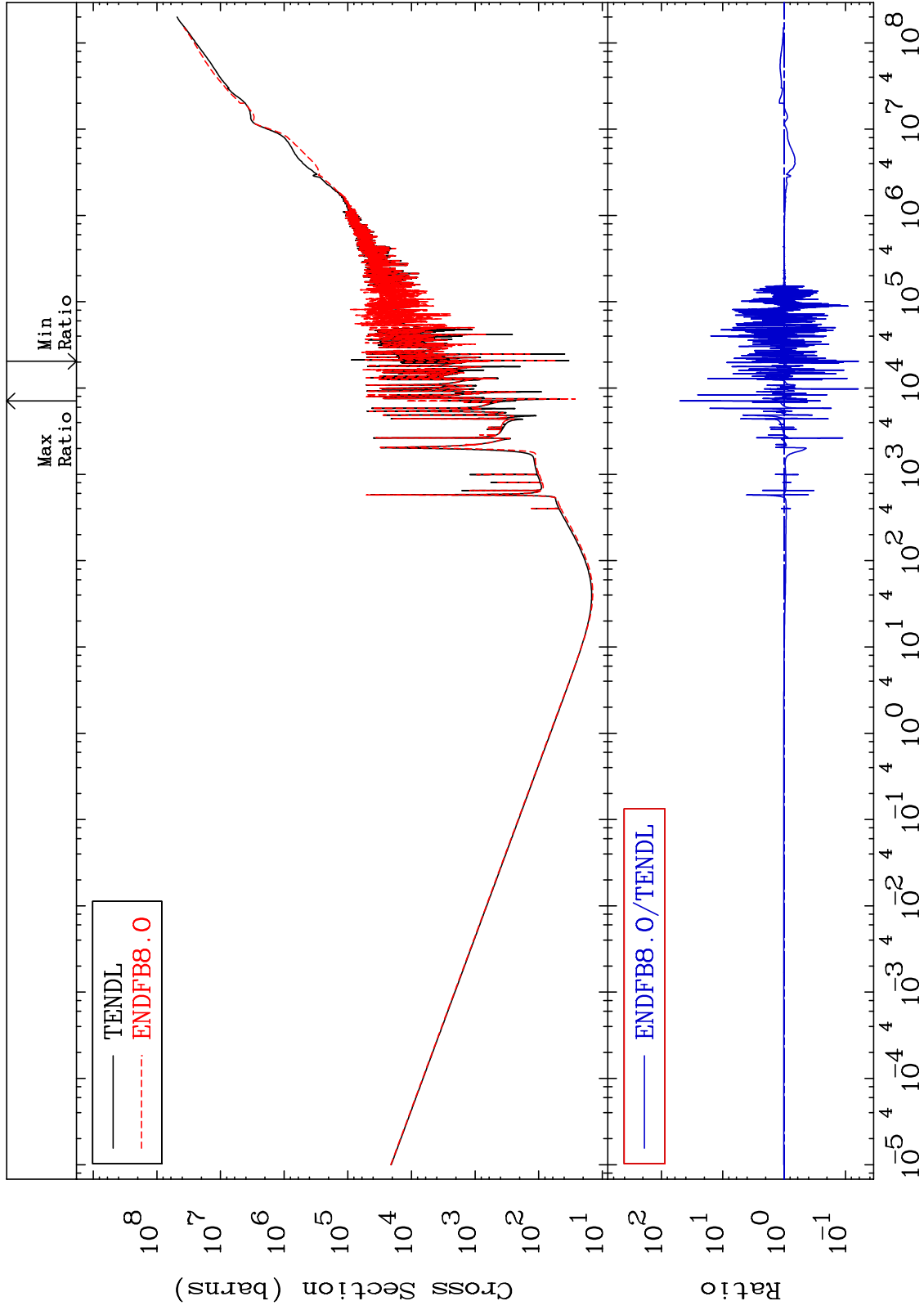
29-Cu-63  
-97.44 To 139.2 %



MAT 2925

Kerma total (eV-barns)  
Cross Section

29-Cu-63  
-93.83 To 4877. %



49

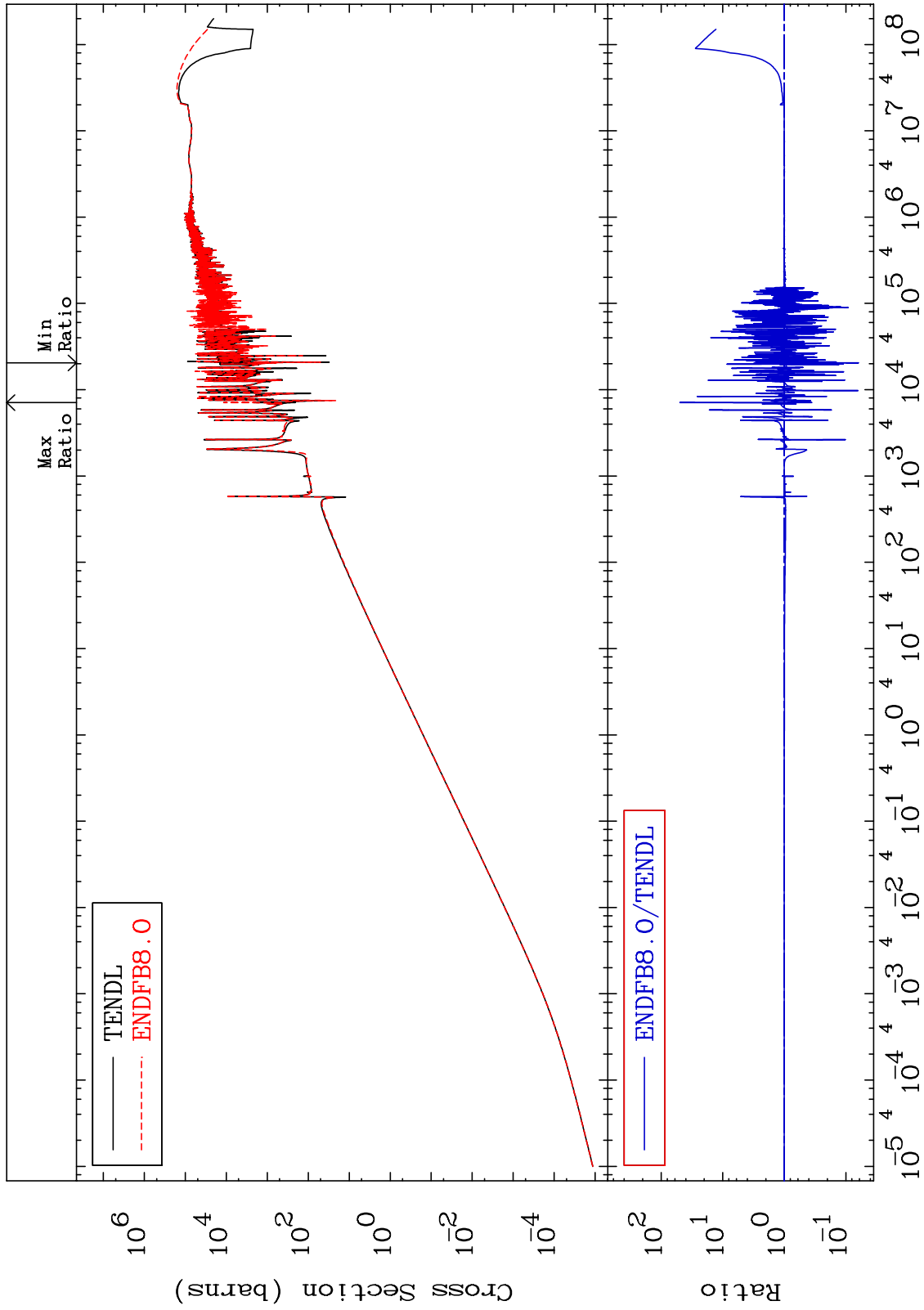
Incident Energy (eV)

29-Cu-63

MAT 2925

Kerma elastic  
Cross Section

29-Cu-63  
-93.76 To 4854. %



50

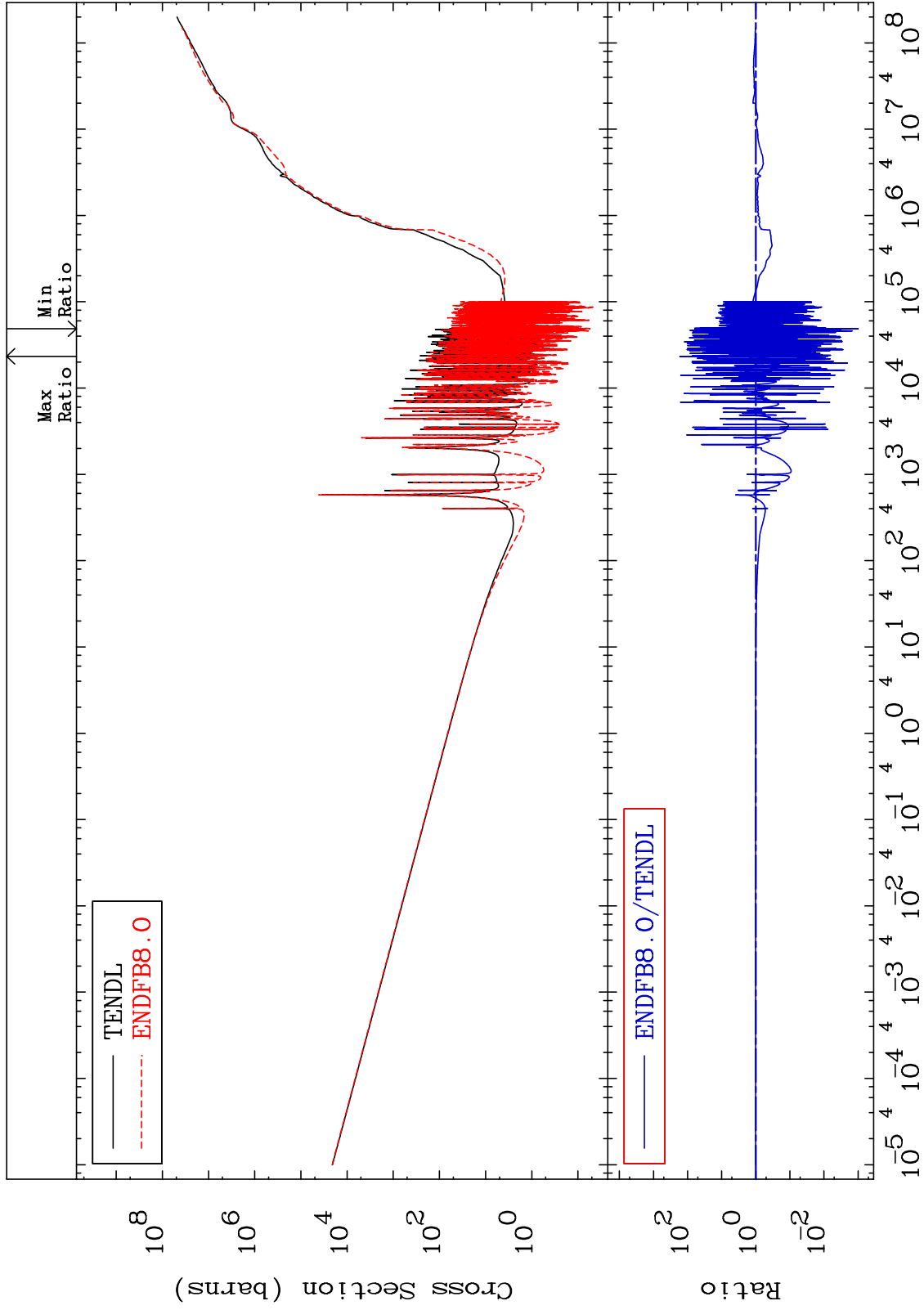
Incident Energy (eV)

29-Cu-63

MAT 2925

Kerma non-elastic (all but mt2)  
Cross Section

29-Cu-63  
-99.90 To 9999. %



51

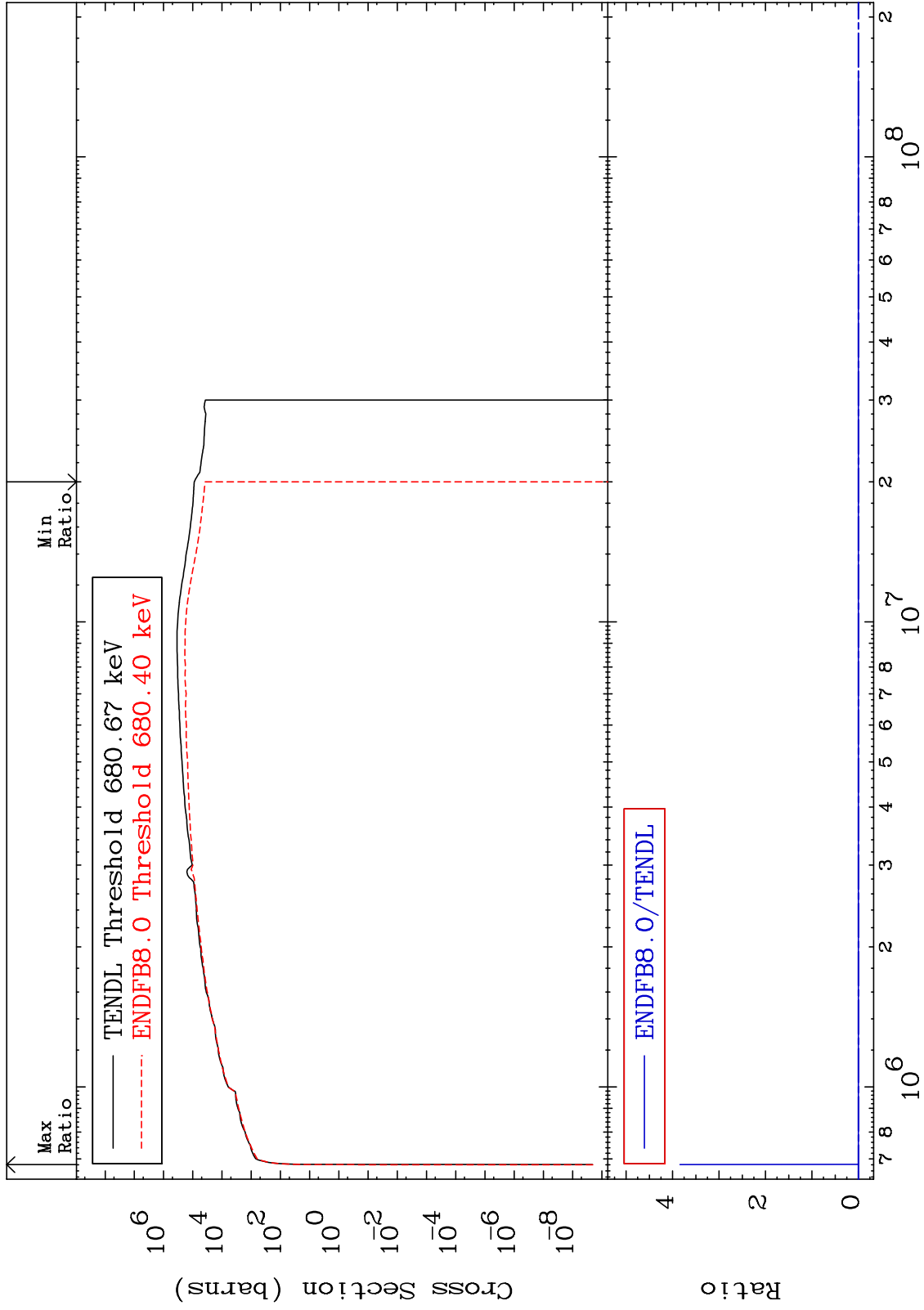
Incident Energy (eV)

29-Cu-63

MAT 2925

Kerma inelastic (mt51-91)  
Cross Section

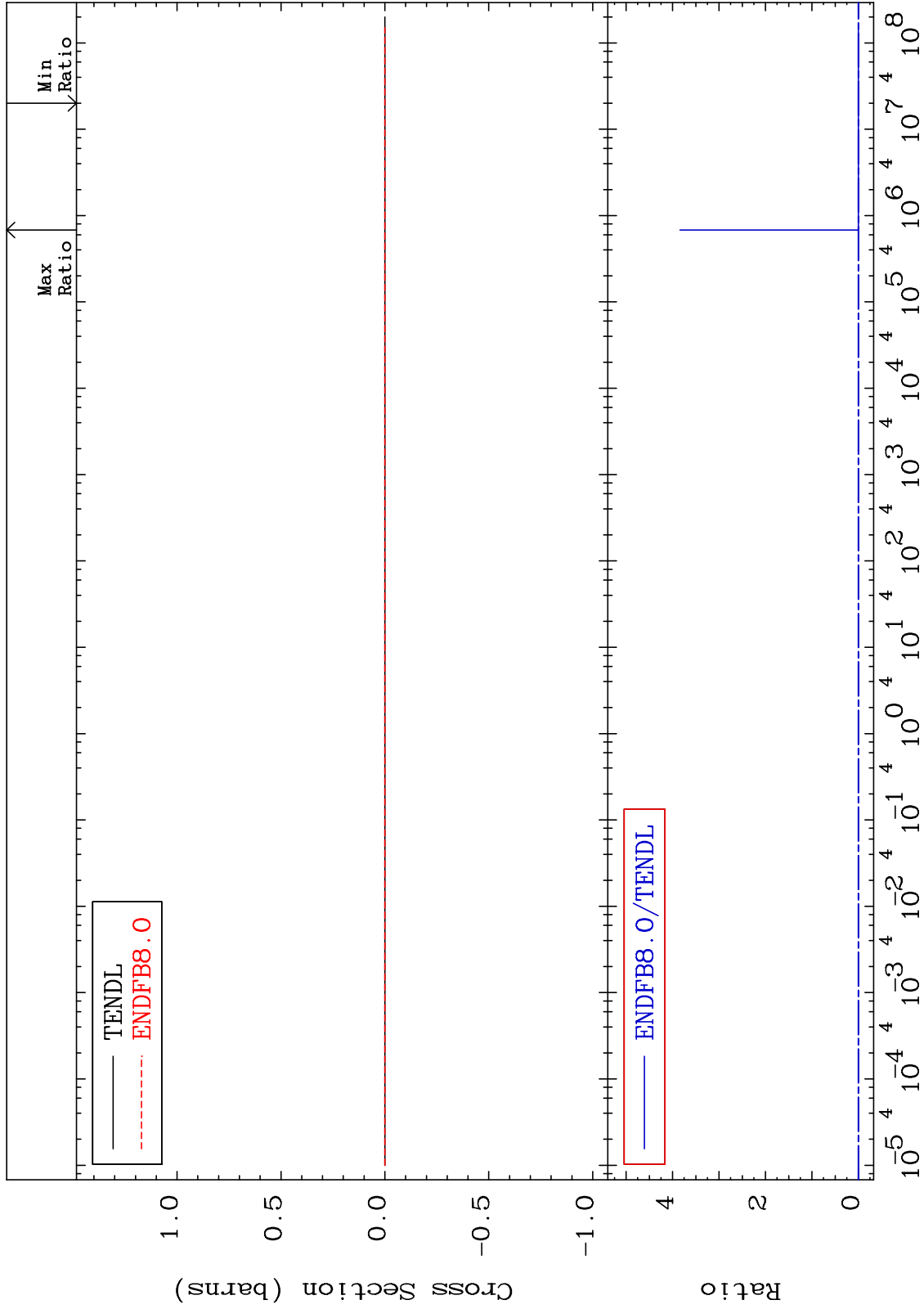
29-Cu-63  
-100.0 To 9999. %



MAT 2925

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

29-Cu-63  
-100.0 To 9999. %



53

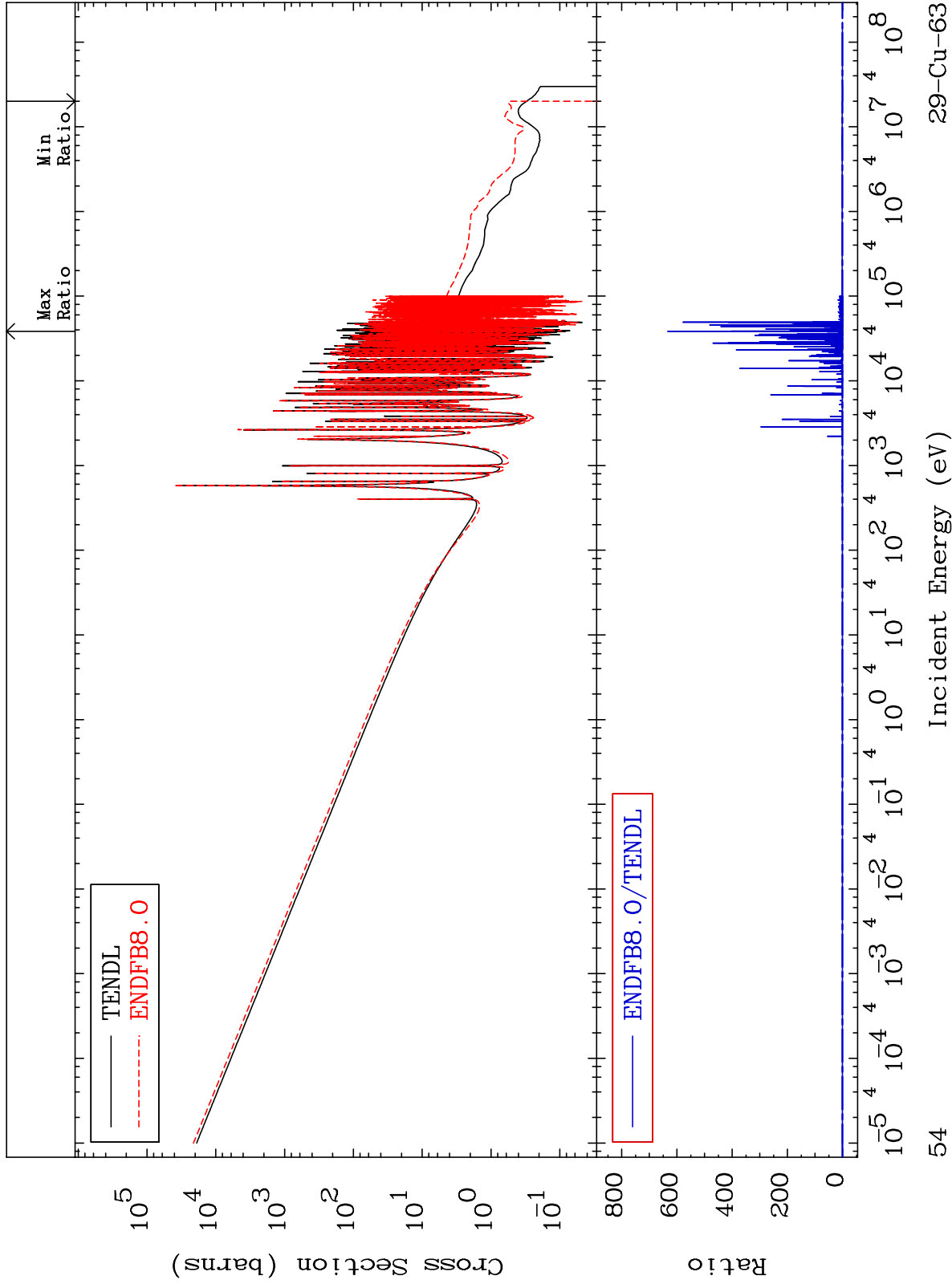
Incident Energy (eV)

29-Cu-63

MAT 2925

Kerma capture (mt102)  
Cross Section

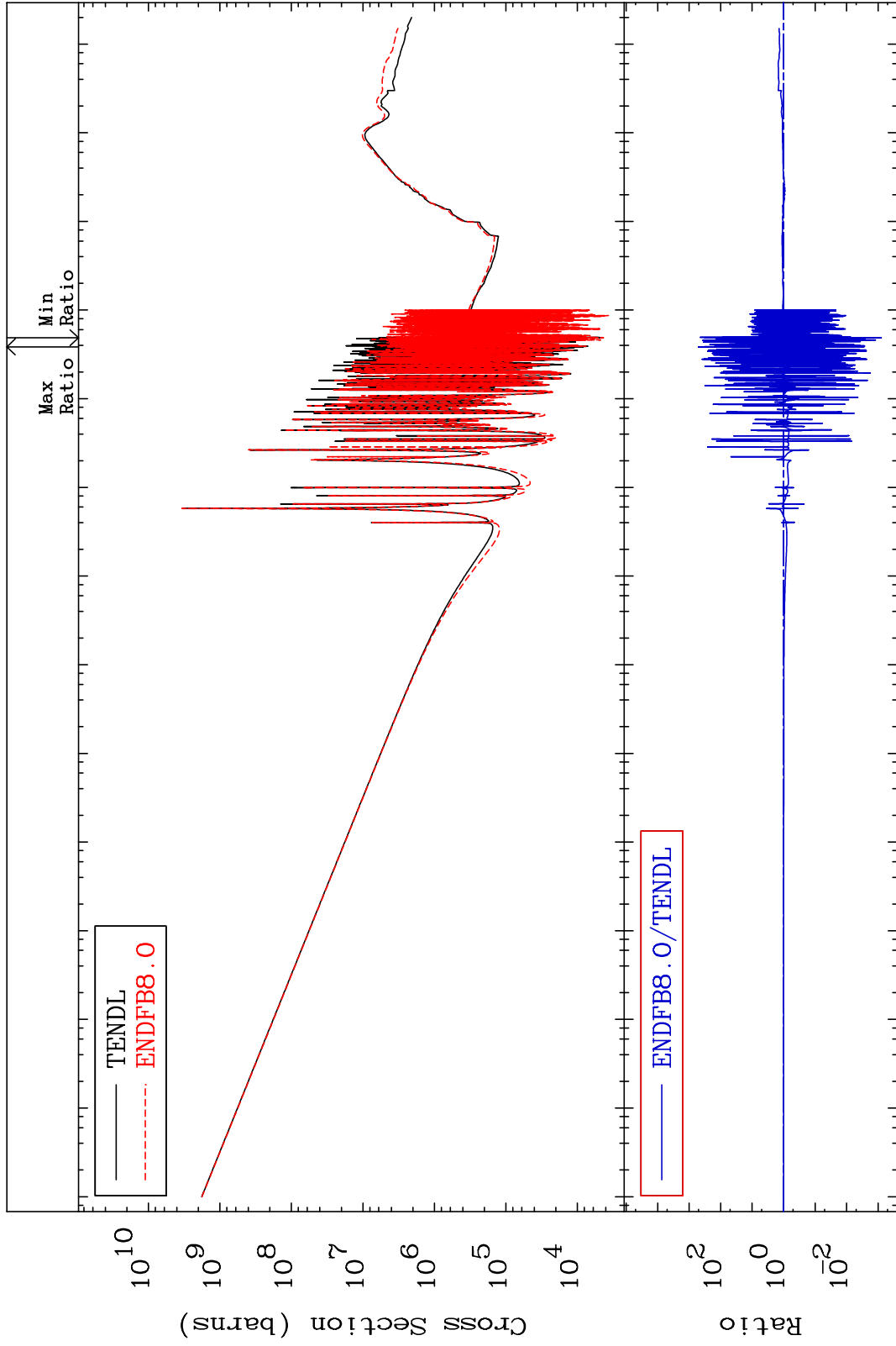
29-Cu-63  
-100.0 To 9999. %



MAT 2925

Total photon (eV-barns)  
Cross Section

29-Cu-63  
-99.92 To 9999. %



55

Incident Energy (eV)

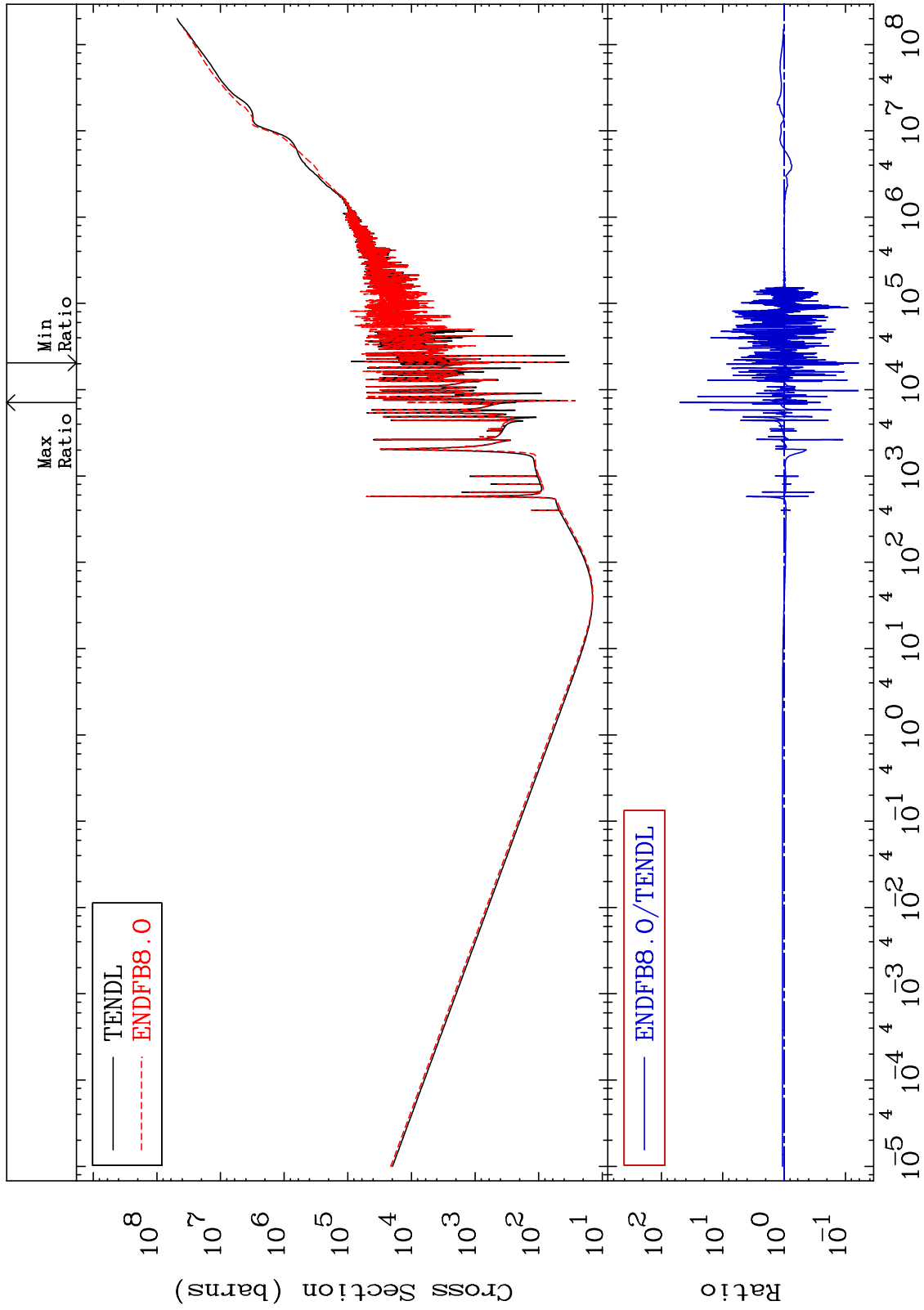
29-Cu-63



MAT 2925

Total kinematic kerma (high limit)  
Cross Section

29-Cu-63  
-93.83 To 4877. %



56

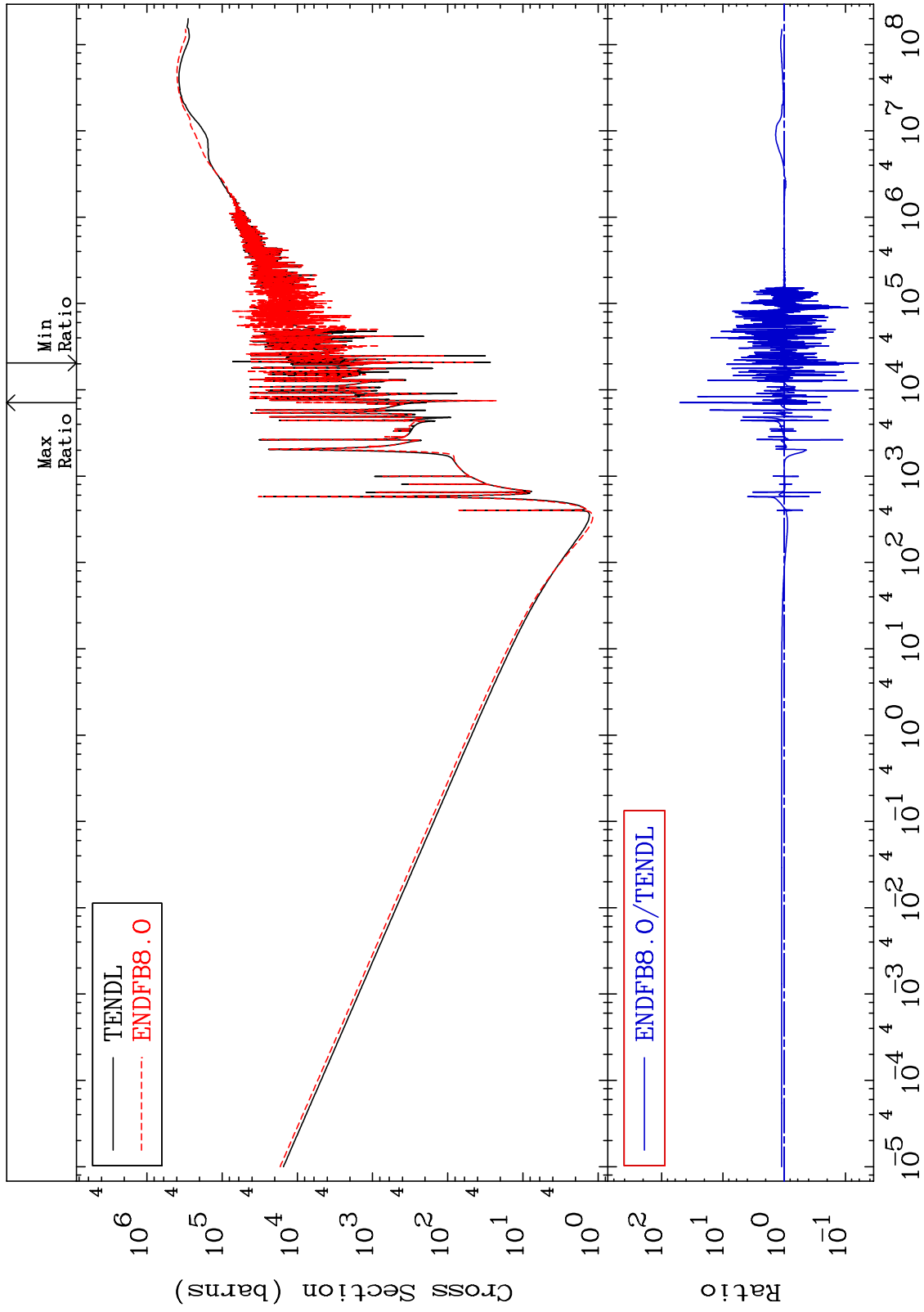
Incident Energy (eV)

29-Cu-63

MAT 2925

Dpa total (eV-barns)  
Cross Section

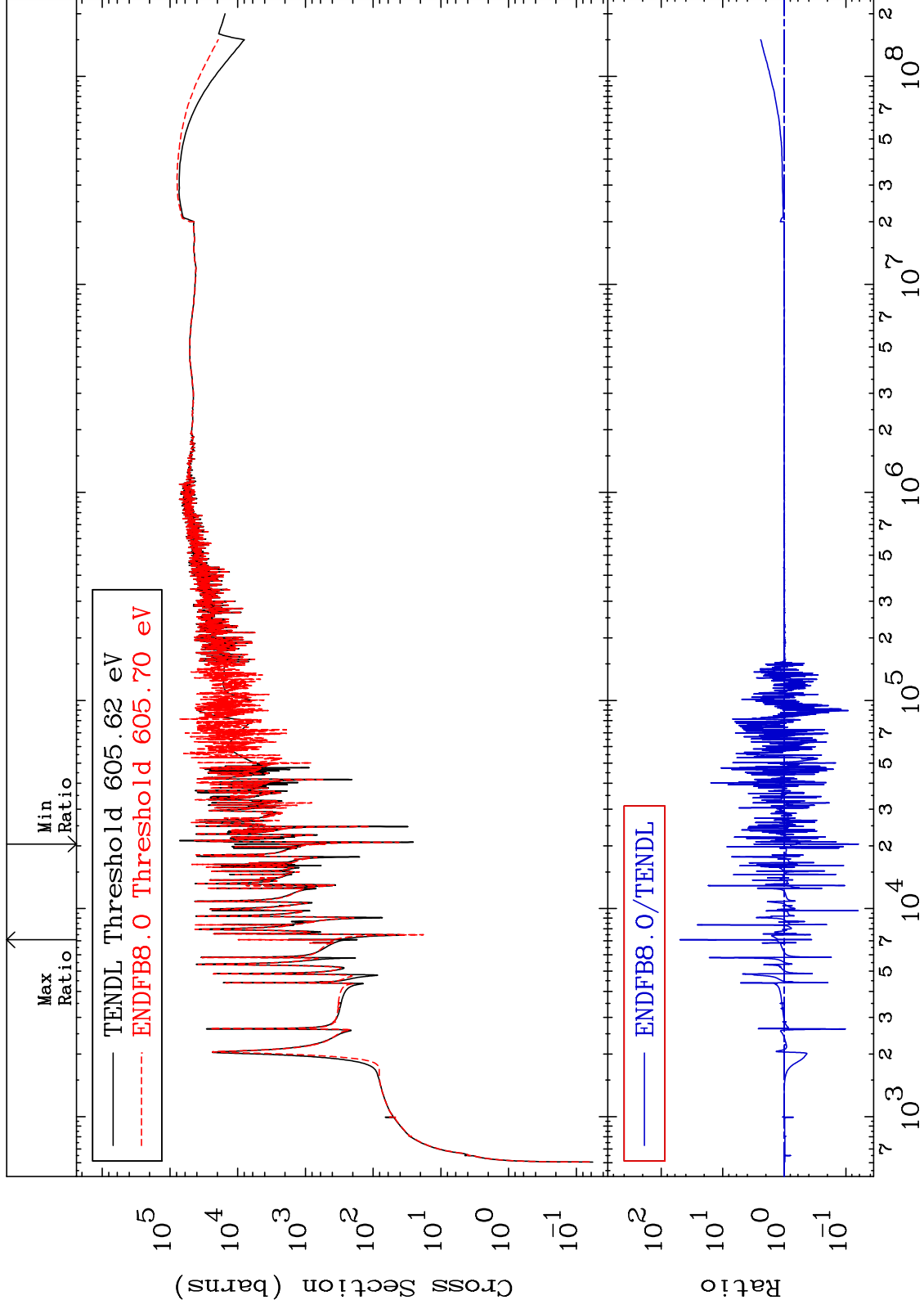
29-Cu-63  
-93.83 To 4898. %



MAT 2925

Dpa elastic (mt2)  
Cross Section

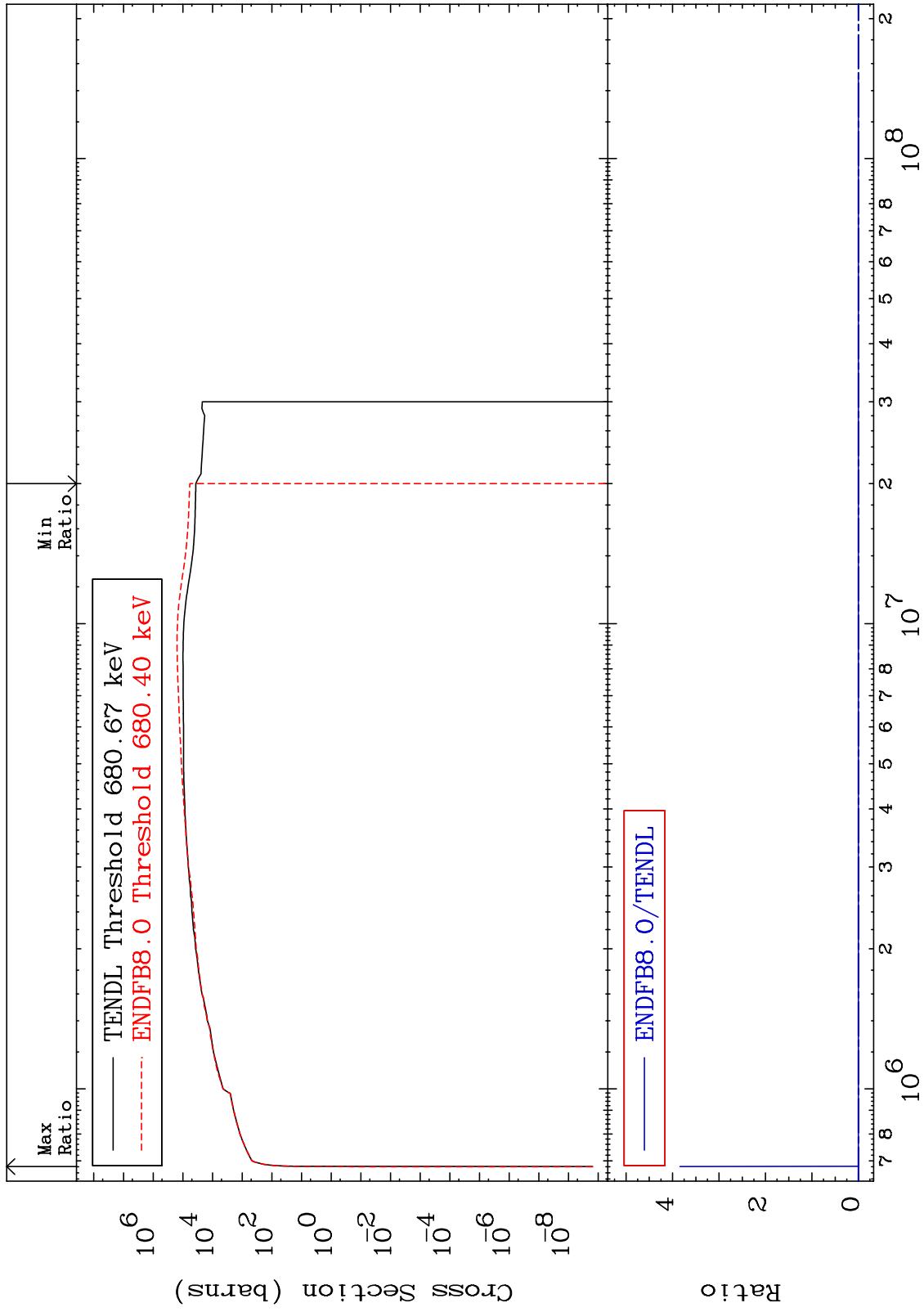
29-Cu-63  
-93.76 To 4854. %



MAT 2925

Dpa inelastic (mt51-91)  
Cross Section

29-Cu-63  
-100.0 To 9999. %



59

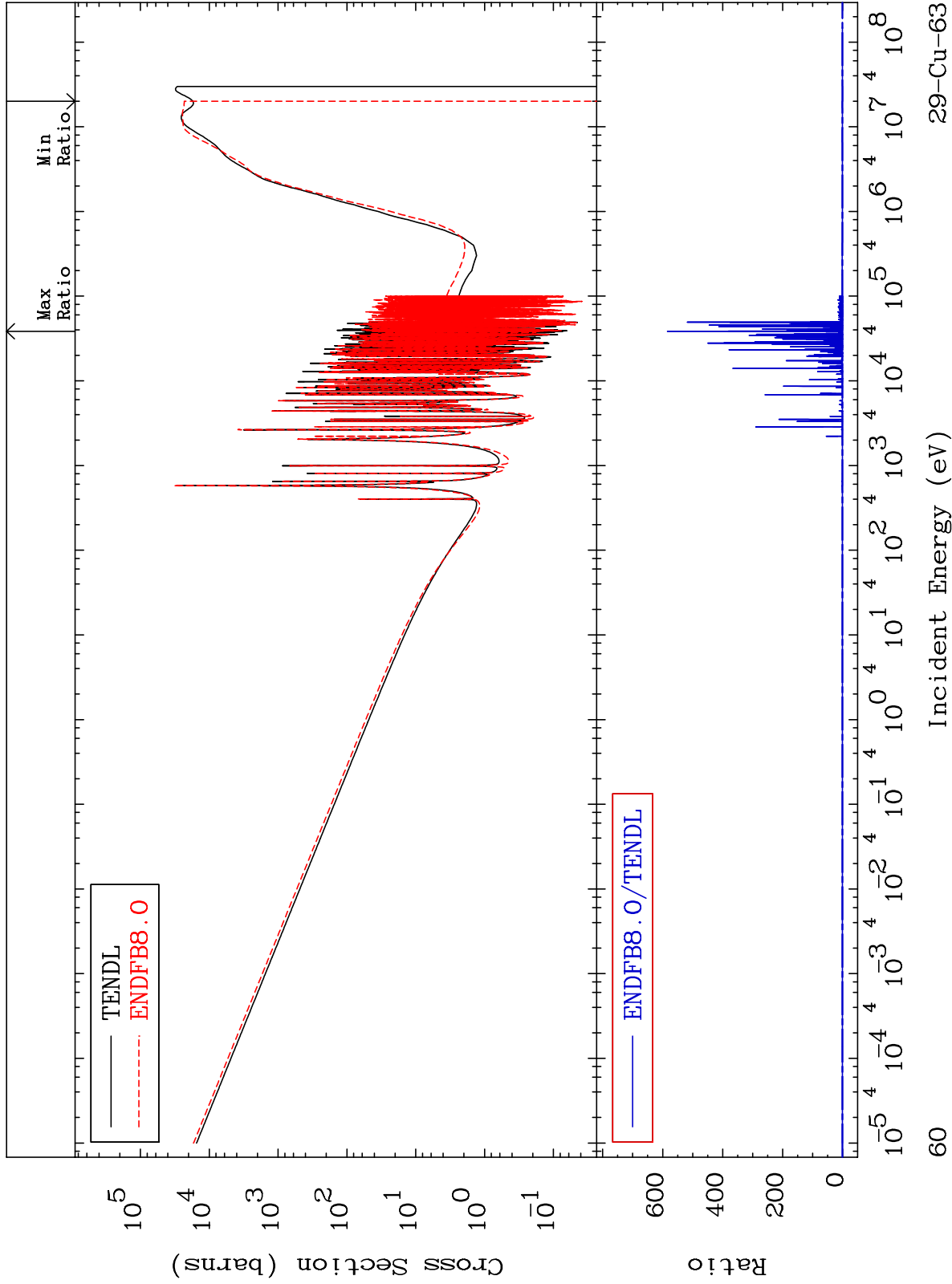
Incident Energy (eV)

29-Cu-63

MAT 2925

Dpa disappearance (mt102 -120)  
Cross Section

29-Cu-63  
-100.0 To 9999. %



60

29-Cu-63