

Program Complot  
(Version 2021-1)

by

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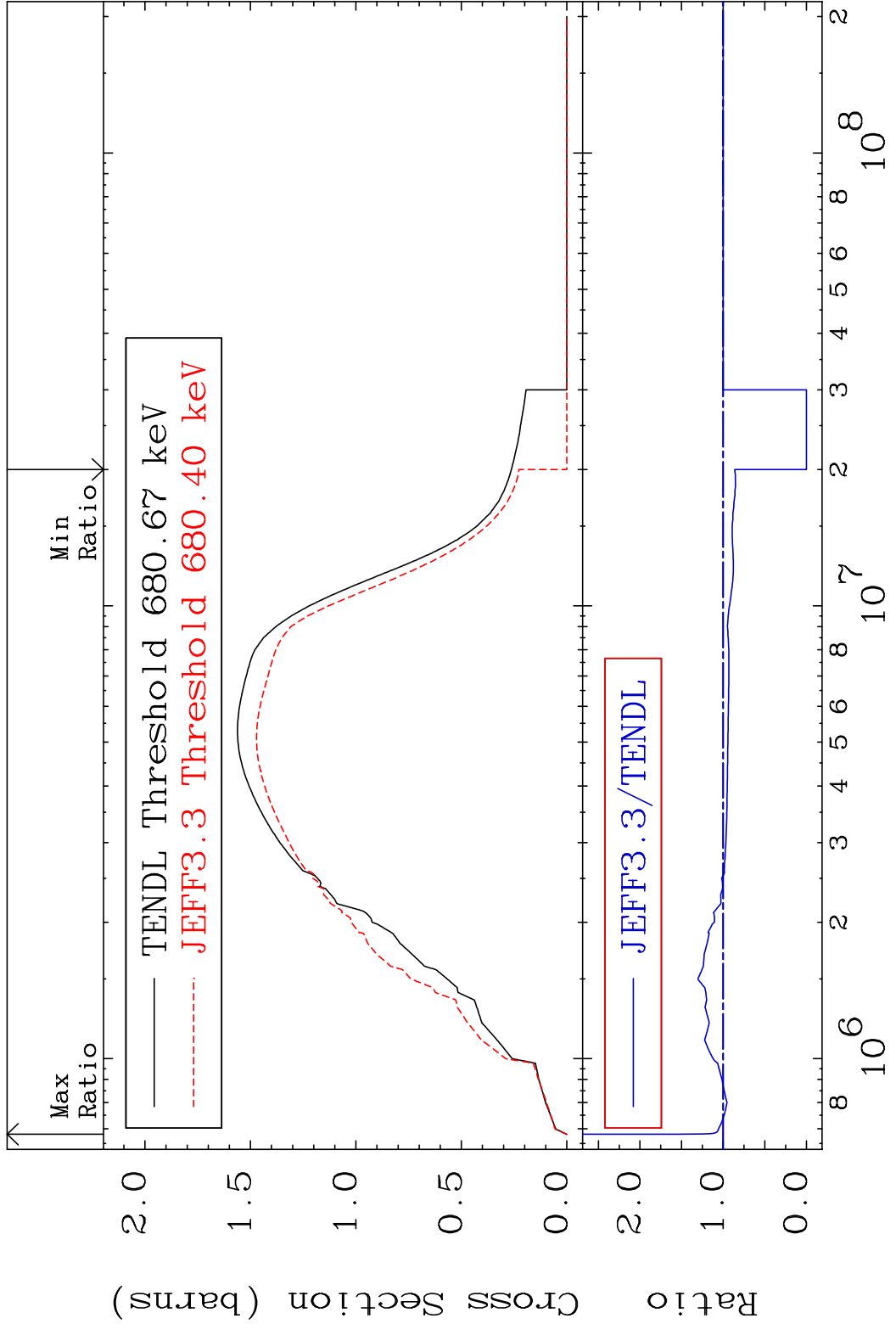
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





MAT 2925 Inelastic Cross Section -100.0 To 55.28 % 29-Cu-63



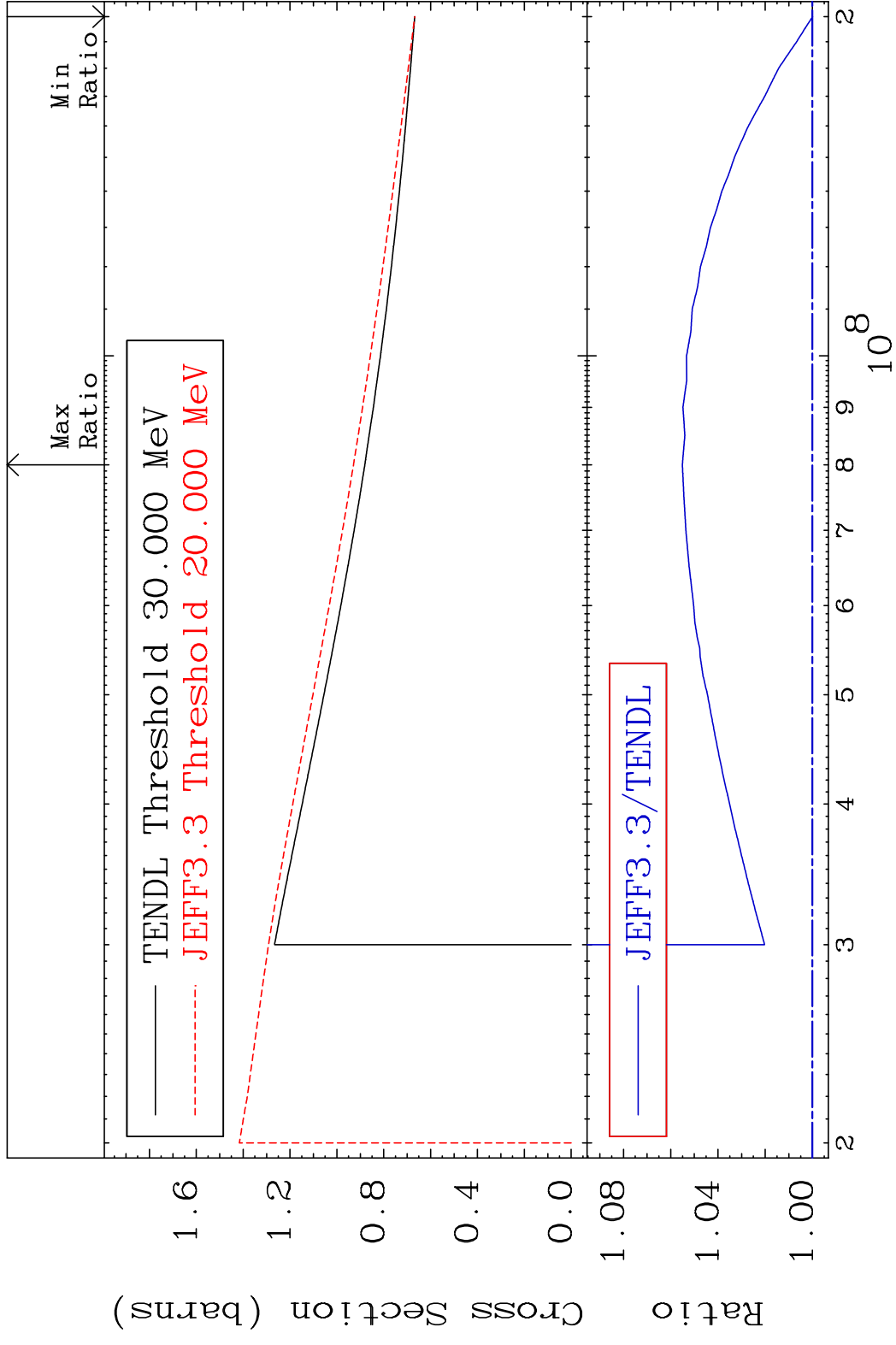
3 Incident Energy (eV) 29-Cu-63

MAT 2925

(n, remainder)

29-Cu-63

Cross Section -0.004 To 5.508 %



29-Cu-63

Incident Energy (eV)

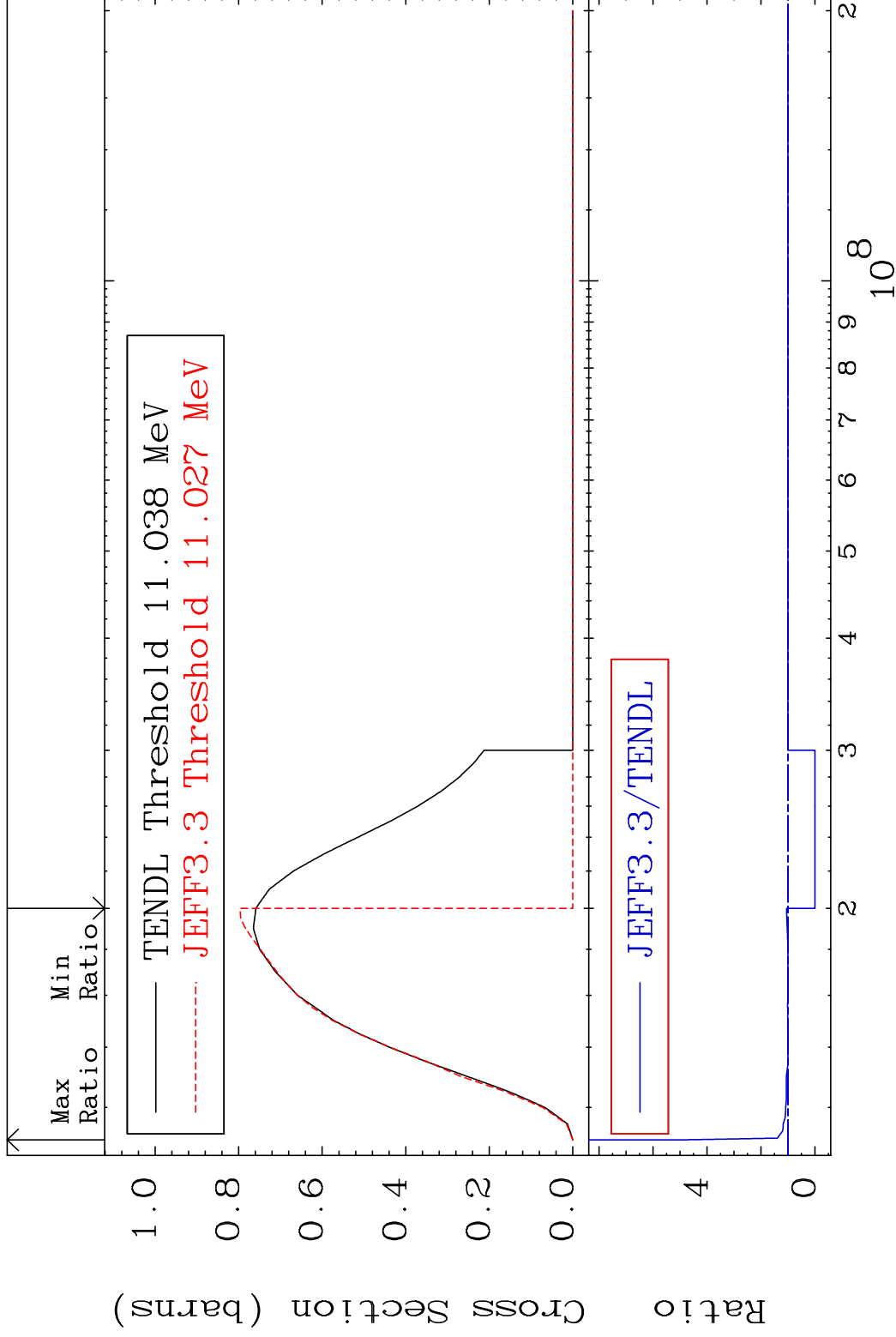
4

MAT 2925

(n,2n)

29-Cu-63

Cross Section -100.0 To 384.1 %



5

Incident Energy (eV)

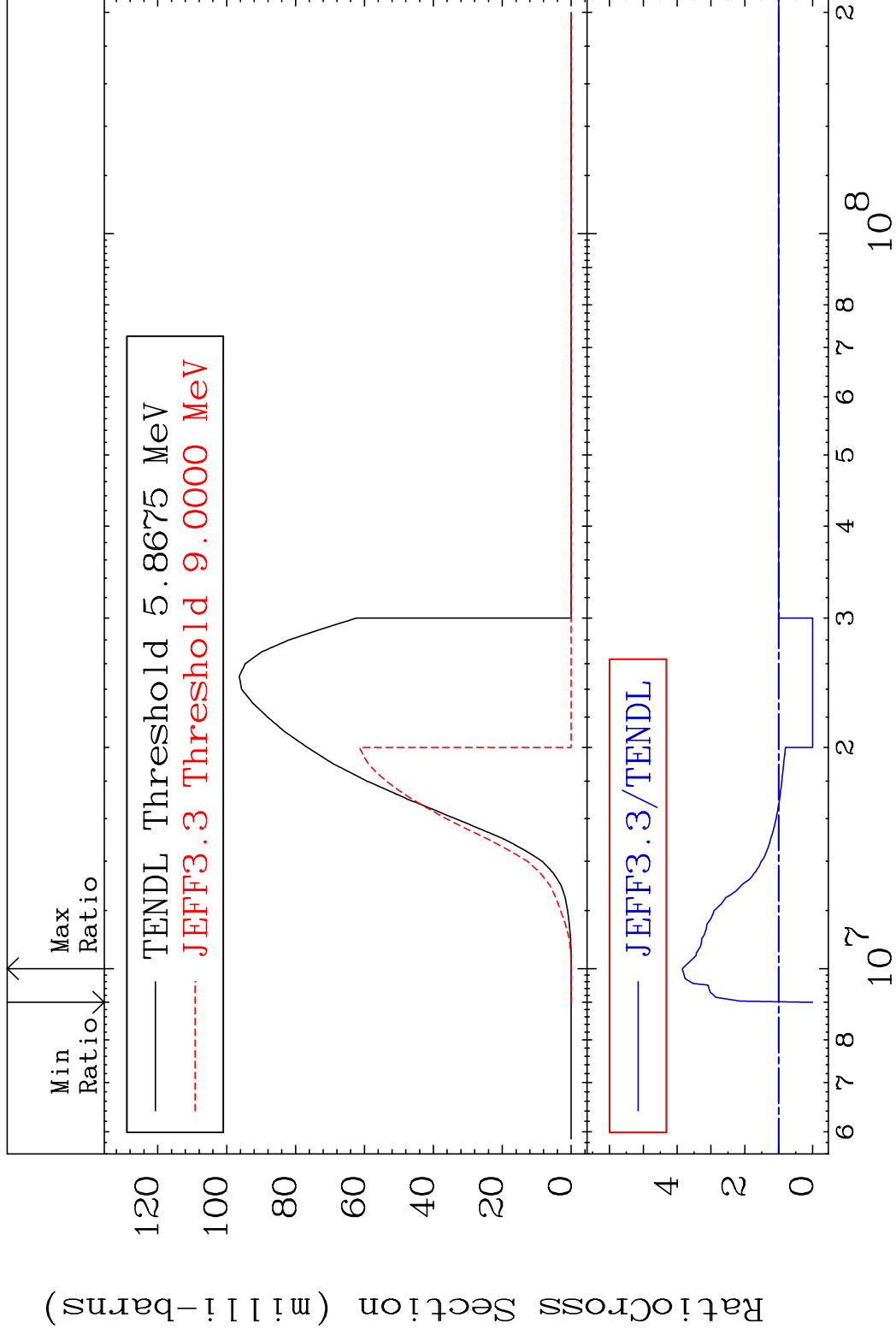
29-Cu-63

MAT 2925

(n, n')  $\alpha$

29-Cu-63

Cross Section -100.0 To 284.6 %

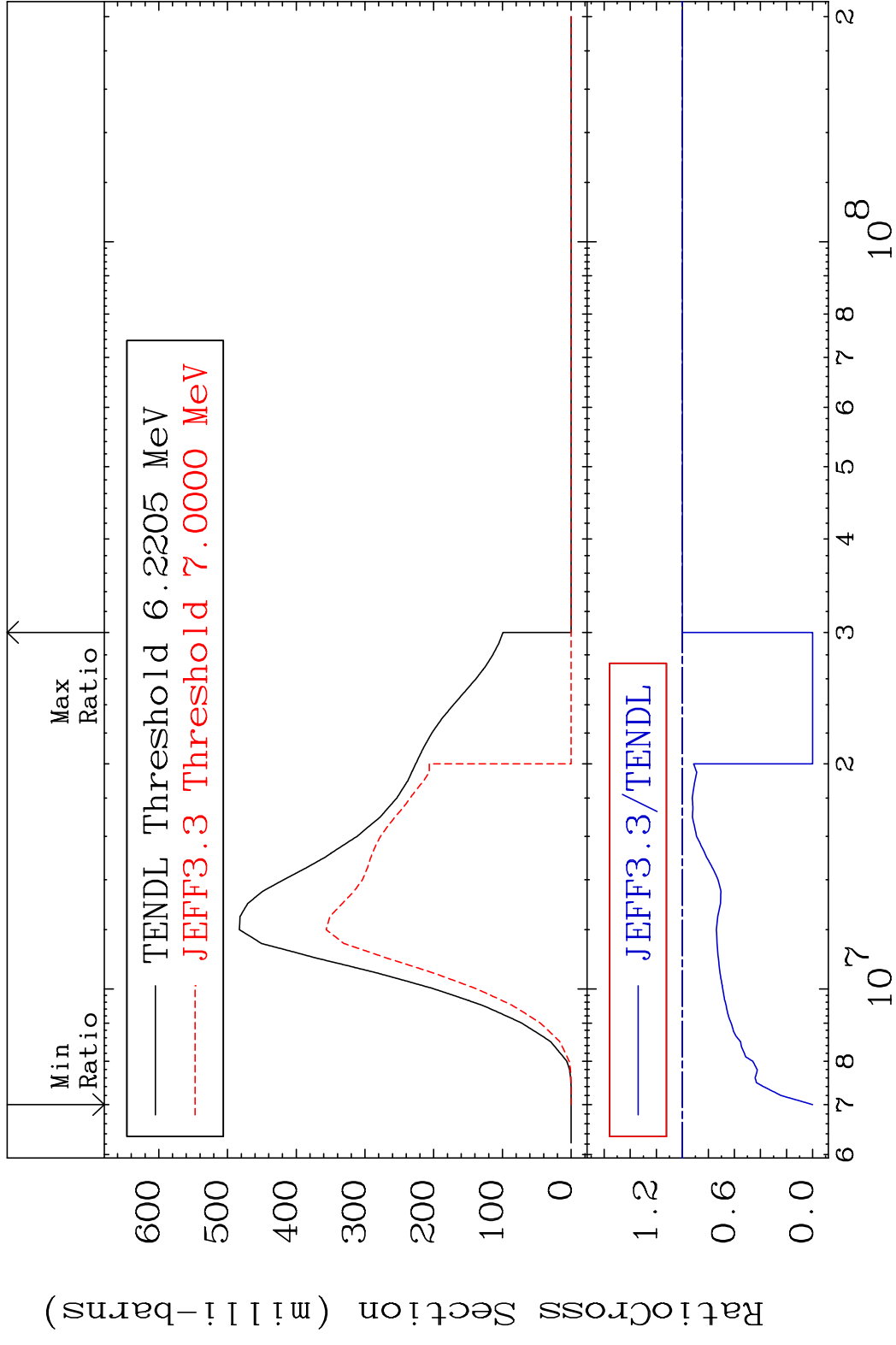


6

Incident Energy (eV)

29-Cu-63

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



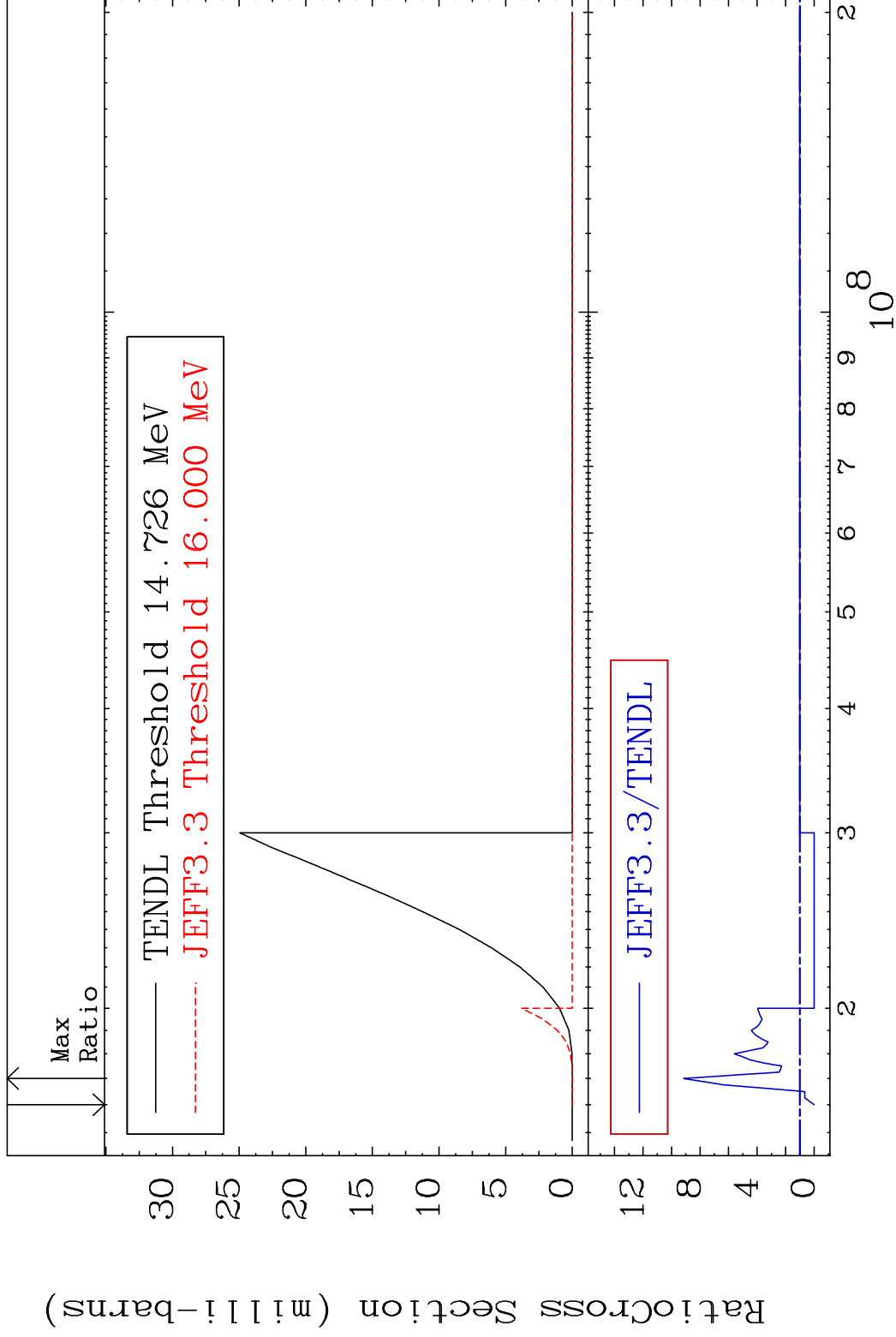
7 Incident Energy (eV) 29-Cu-63

MAT 2925

(n, n') d

29-Cu-63

Cross Section -100.0 To 815.1 %

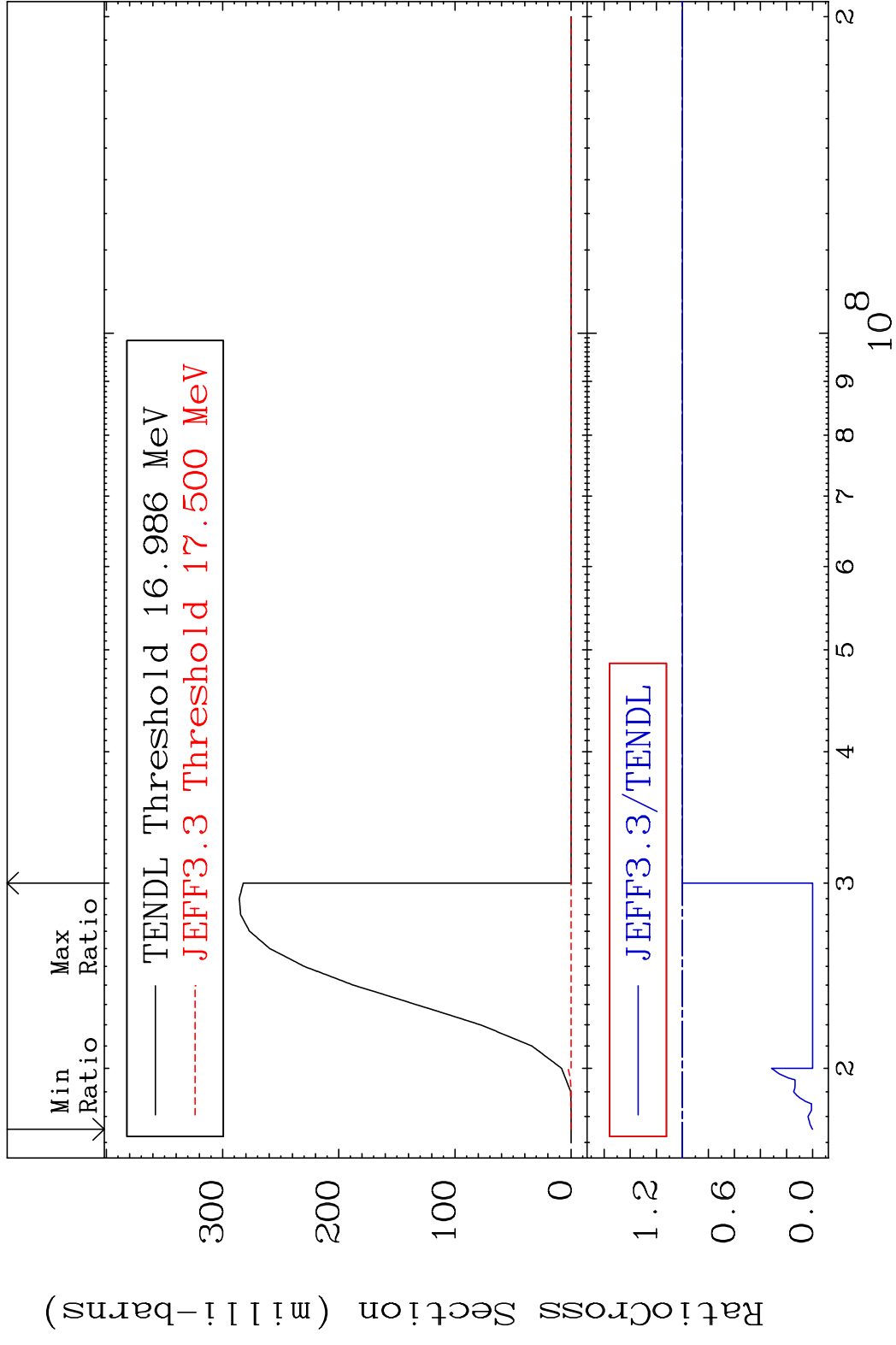


8

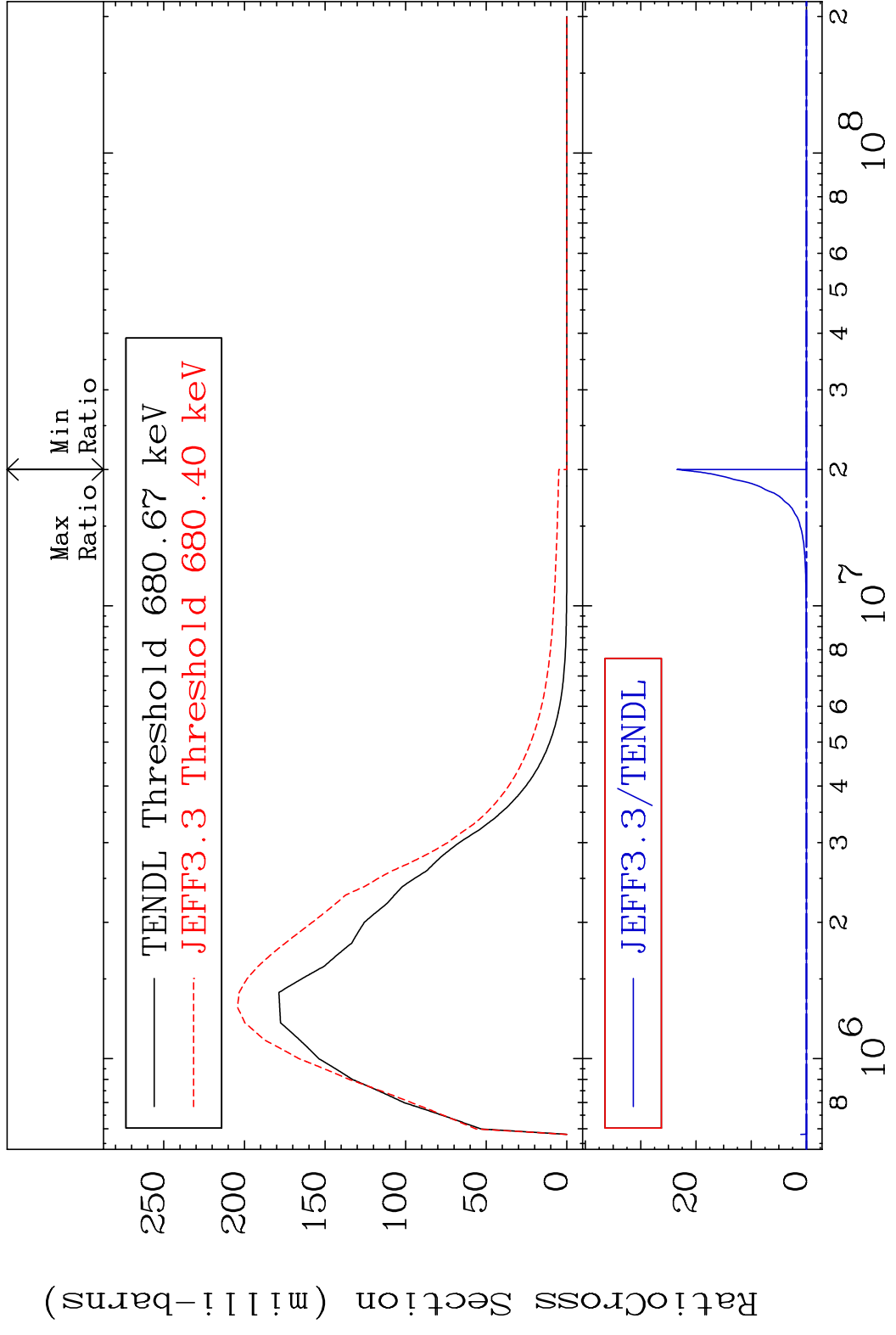
Incident Energy (eV)

29-Cu-63

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

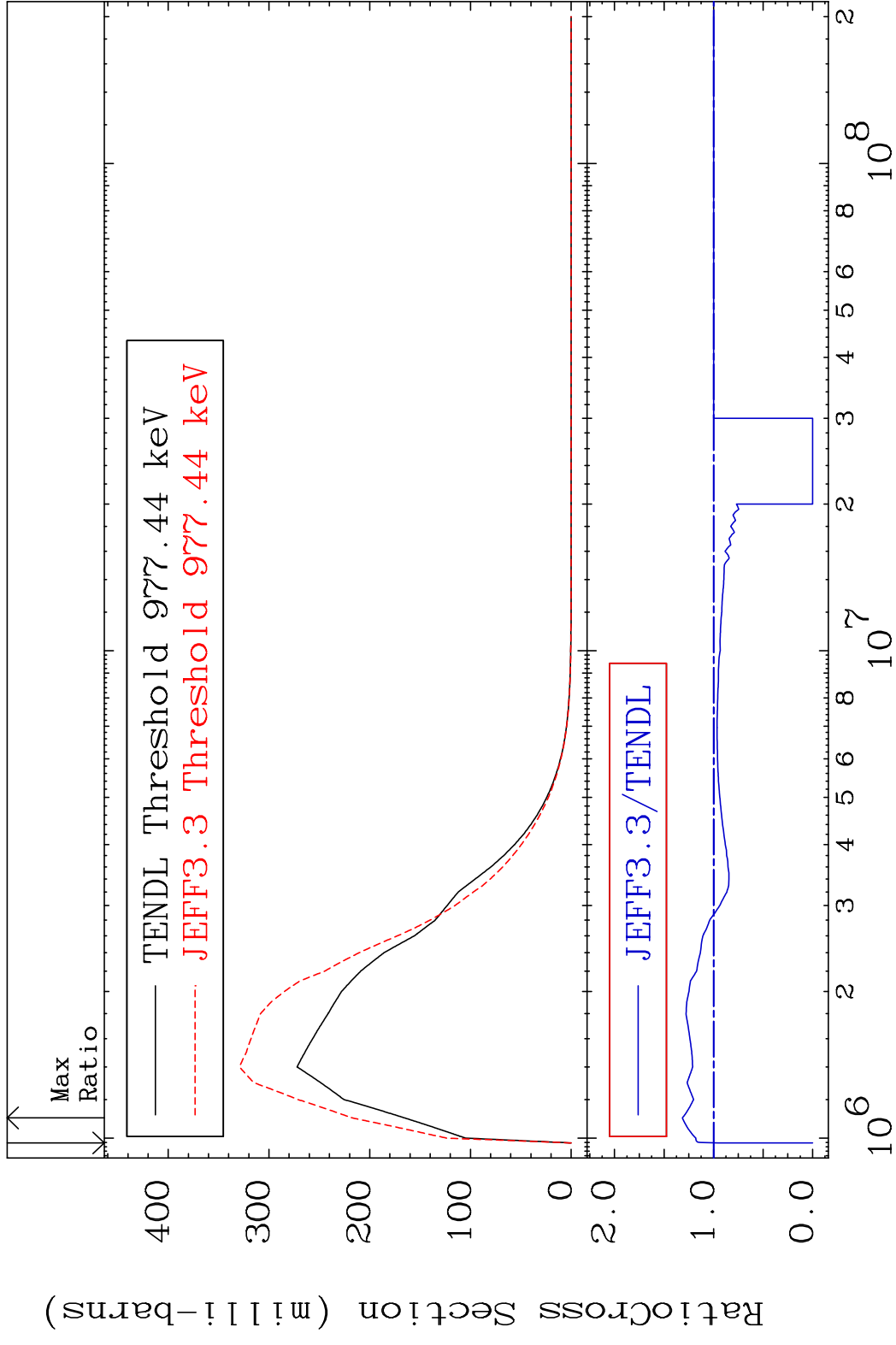


MAT 2925 MT= 51 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 9999. %



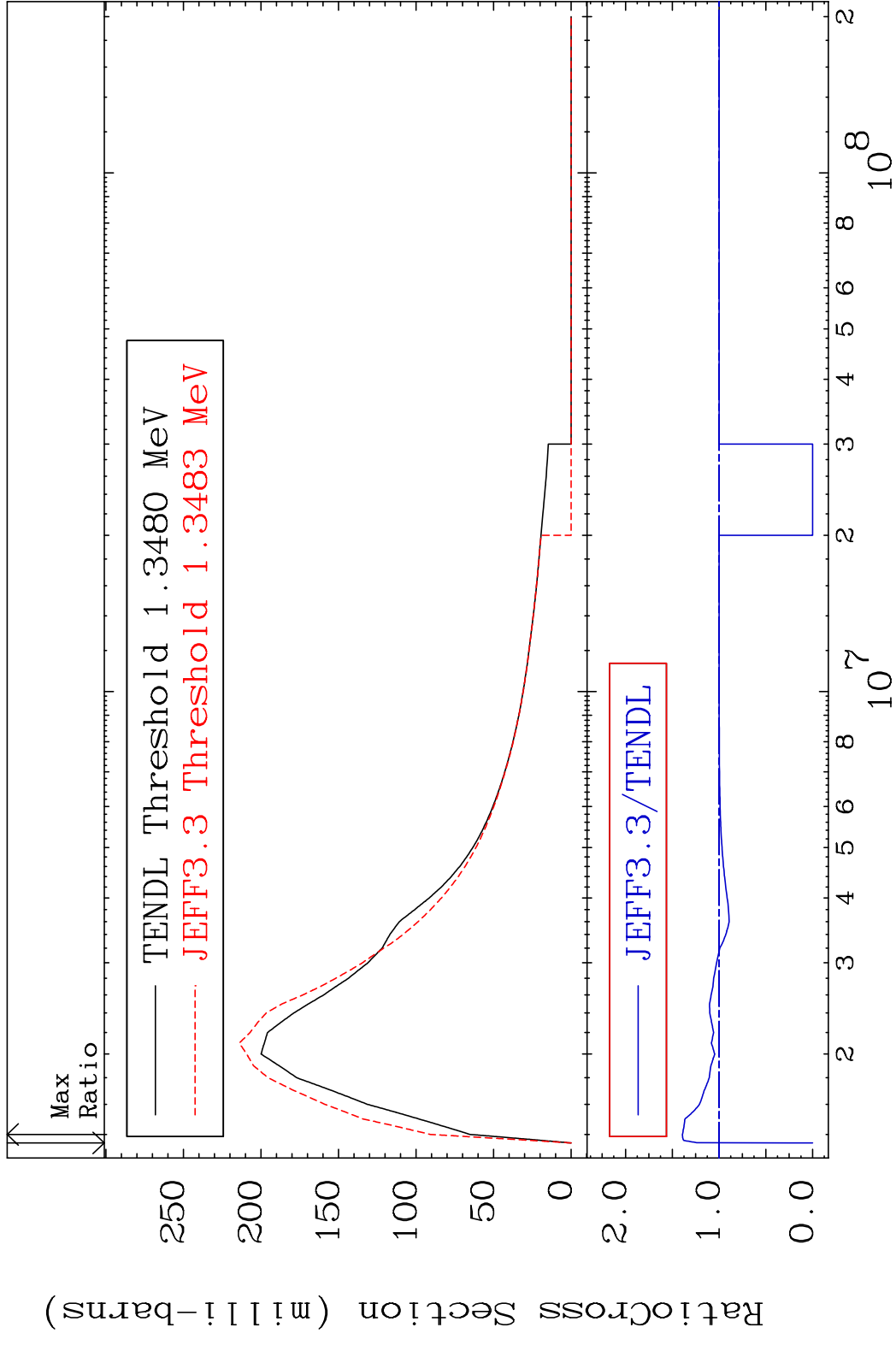
10 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 52 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 31.50 %

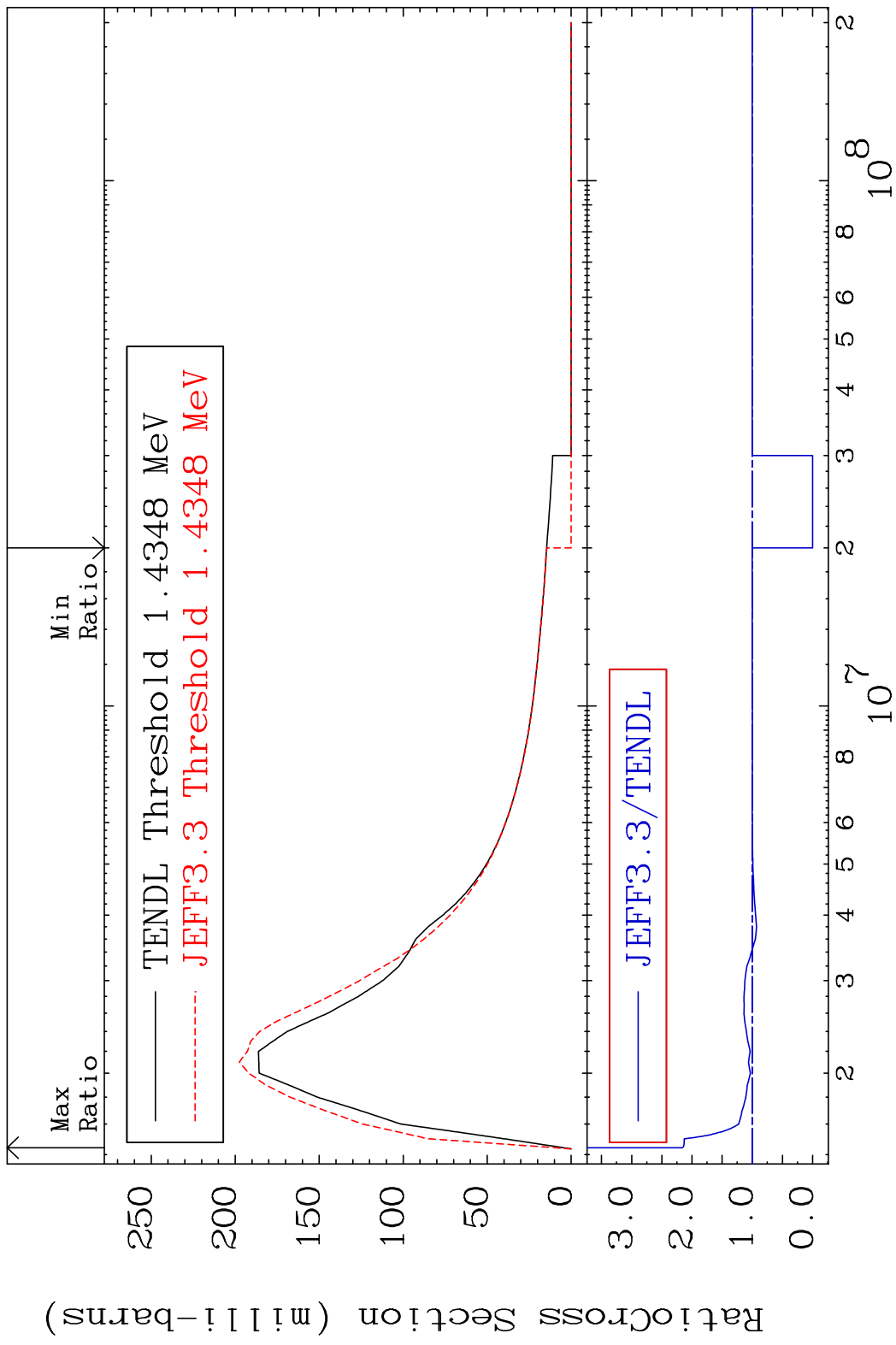


11 Incident Energy (eV) 29-Cu-63

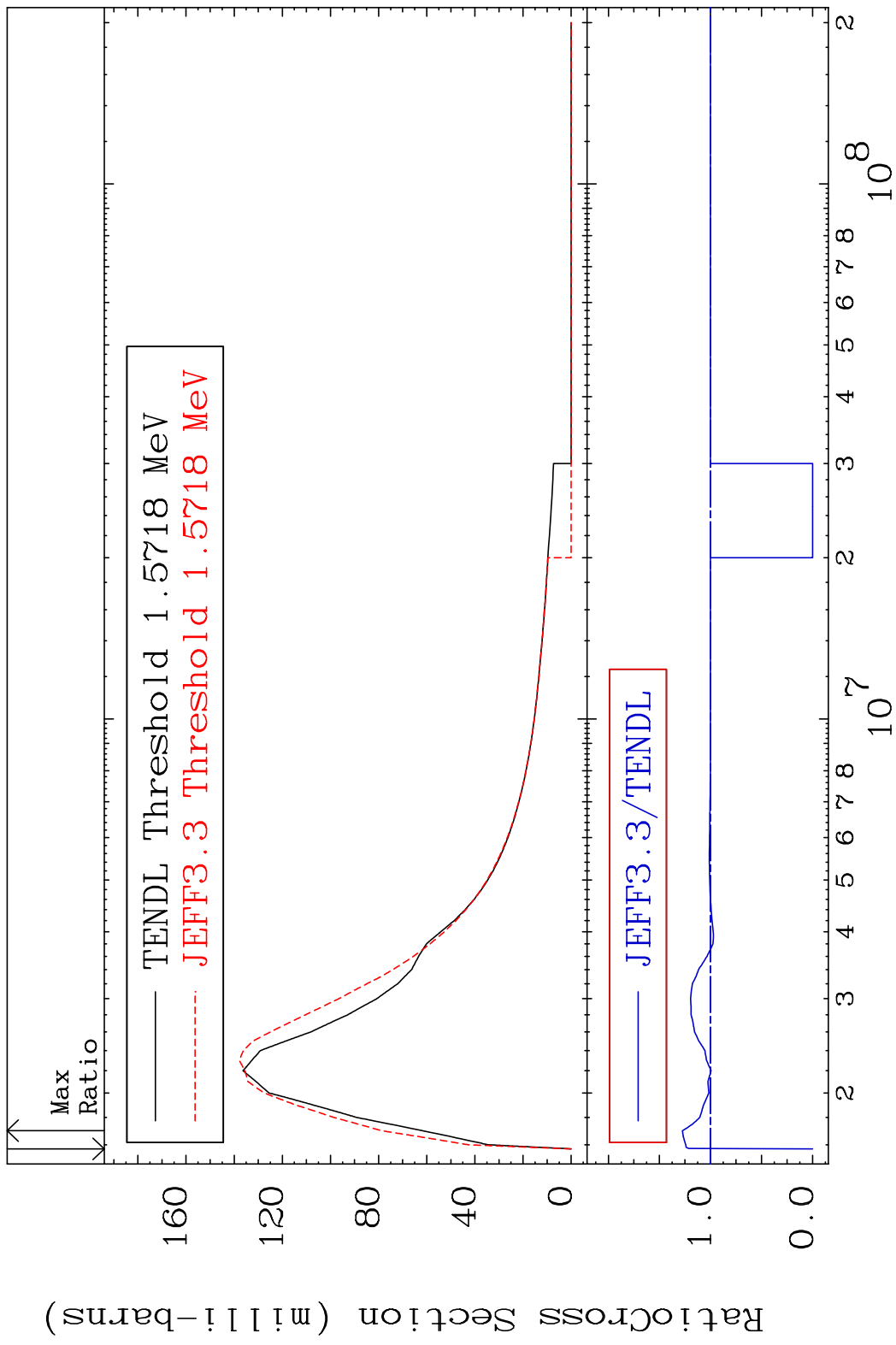
MAT 2925      MT= 53 (n, n') Level      29-Cu-63  
 Cross Section    -100.0 To 39.22 %



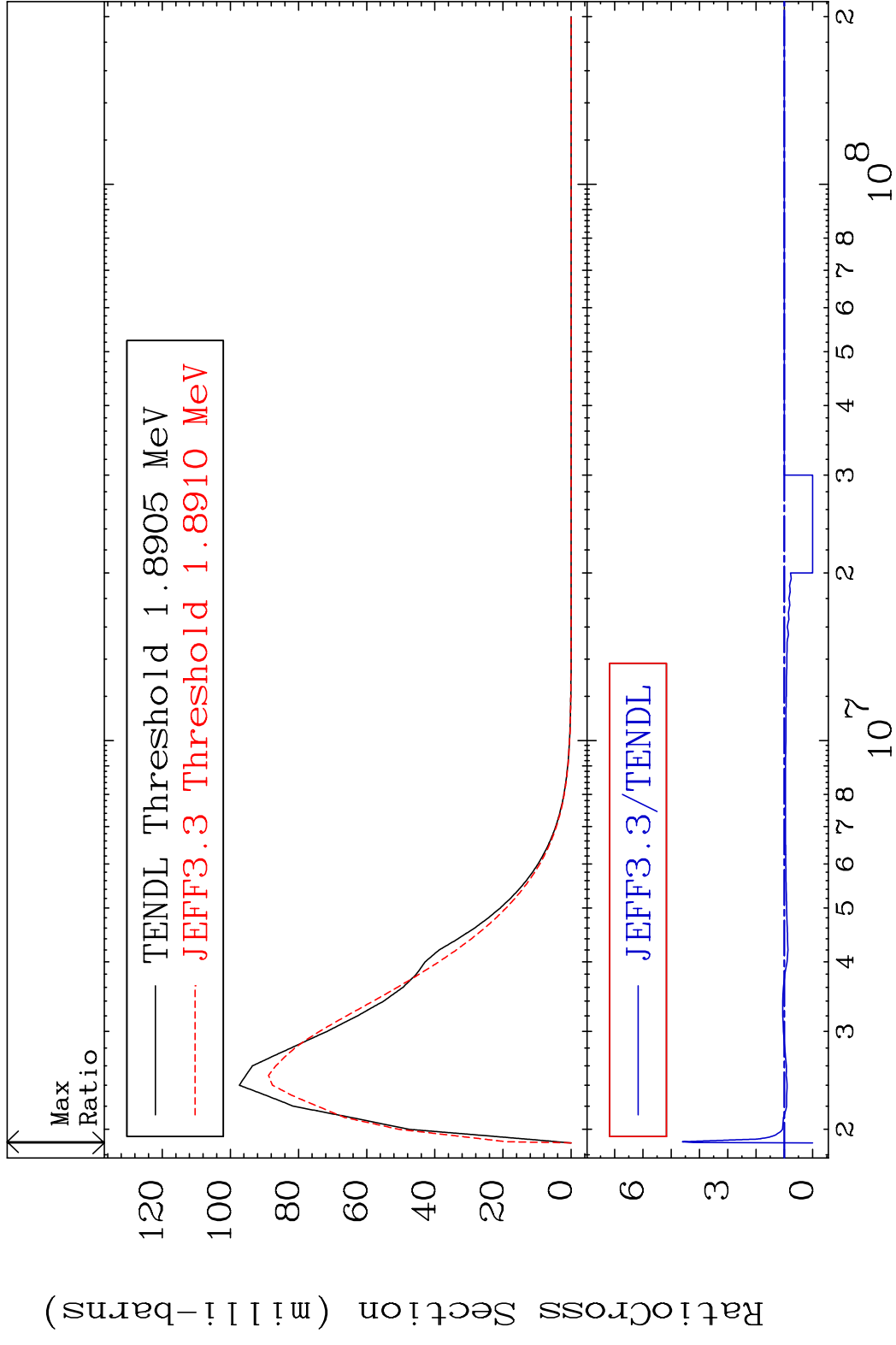
MAT 2925 MT= 54 (n,n') Level 29-Cu-63  
 Cross Section -100.0 To 115.9 %



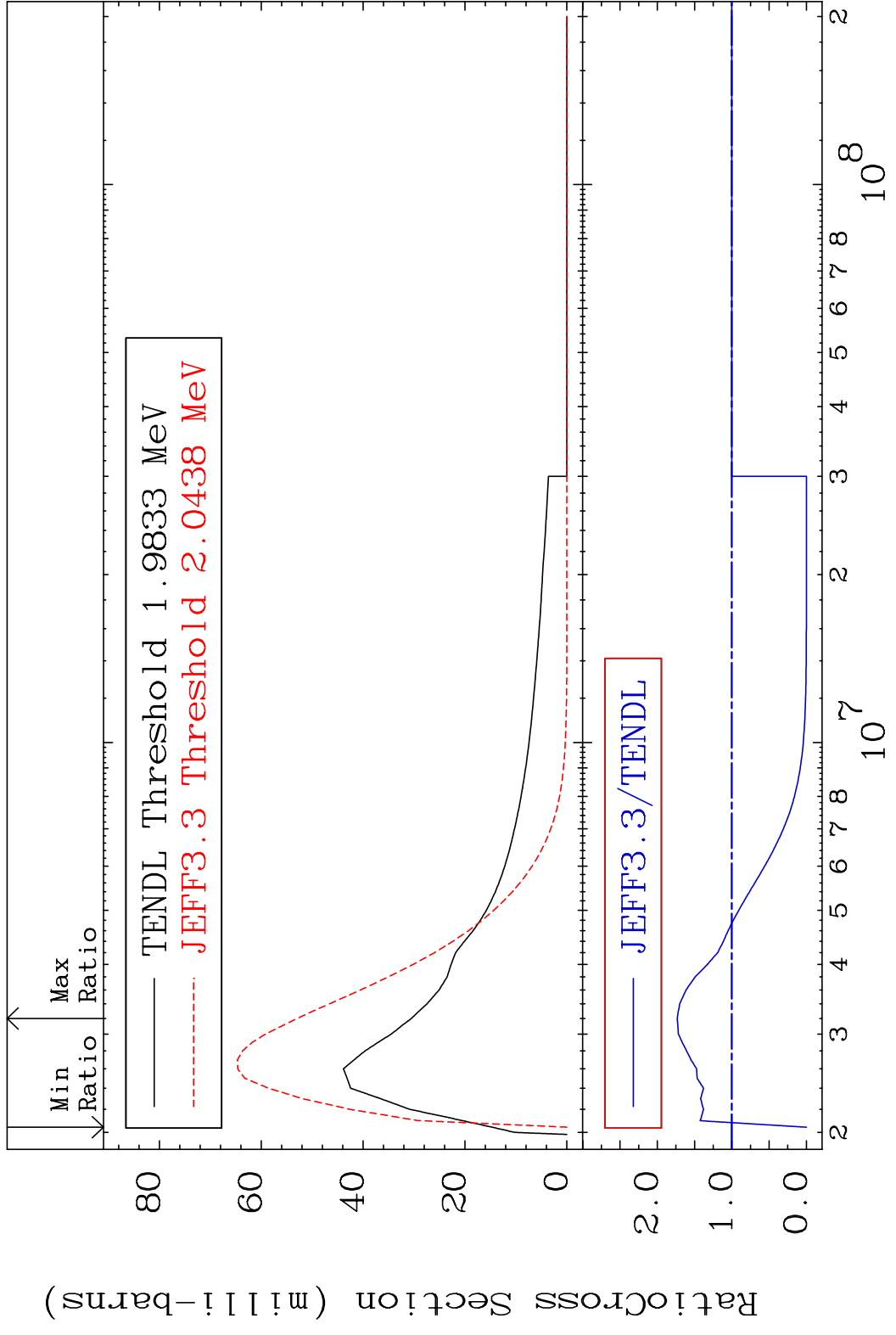
MAT 2925 MT= 55 (n,n') Level 29-Cu-63  
 Cross Section -100.0 To 27.55 %



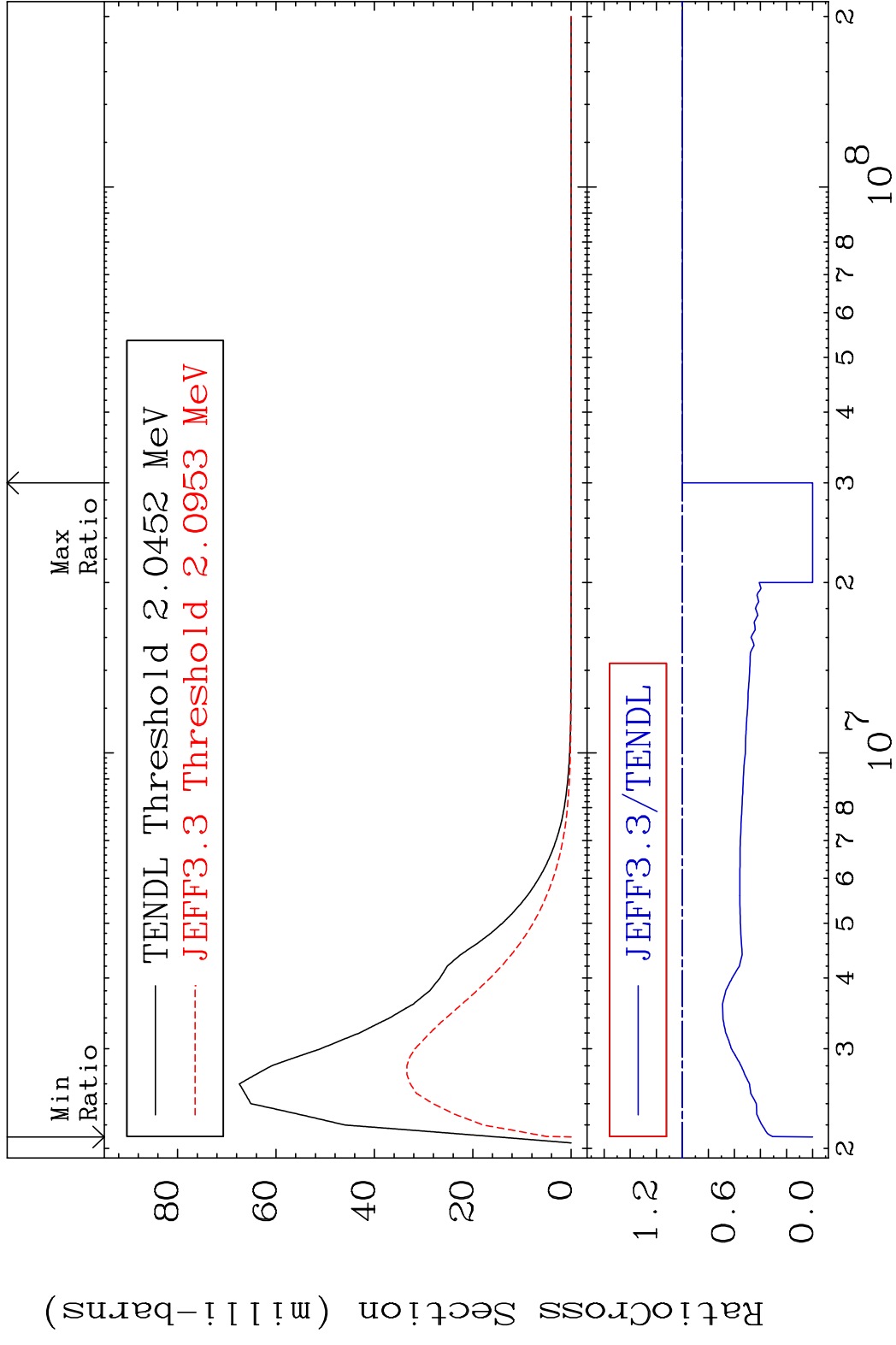
MAT 2925 MT= 56 (n,n') Level 29-Cu-63  
 Cross Section -100.0 To 360.7 %



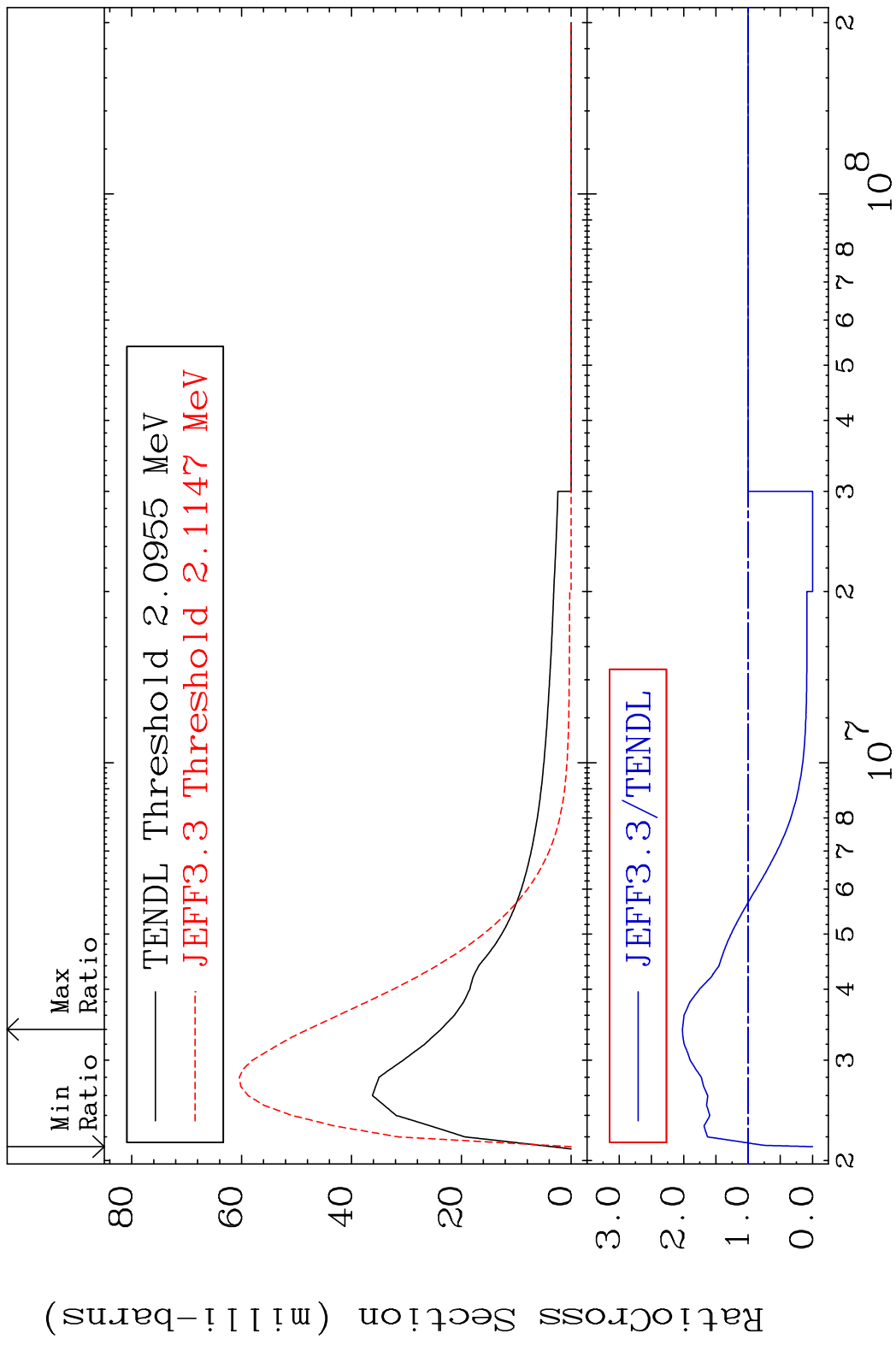
MAT 2925 MT= 57 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 73.31 %



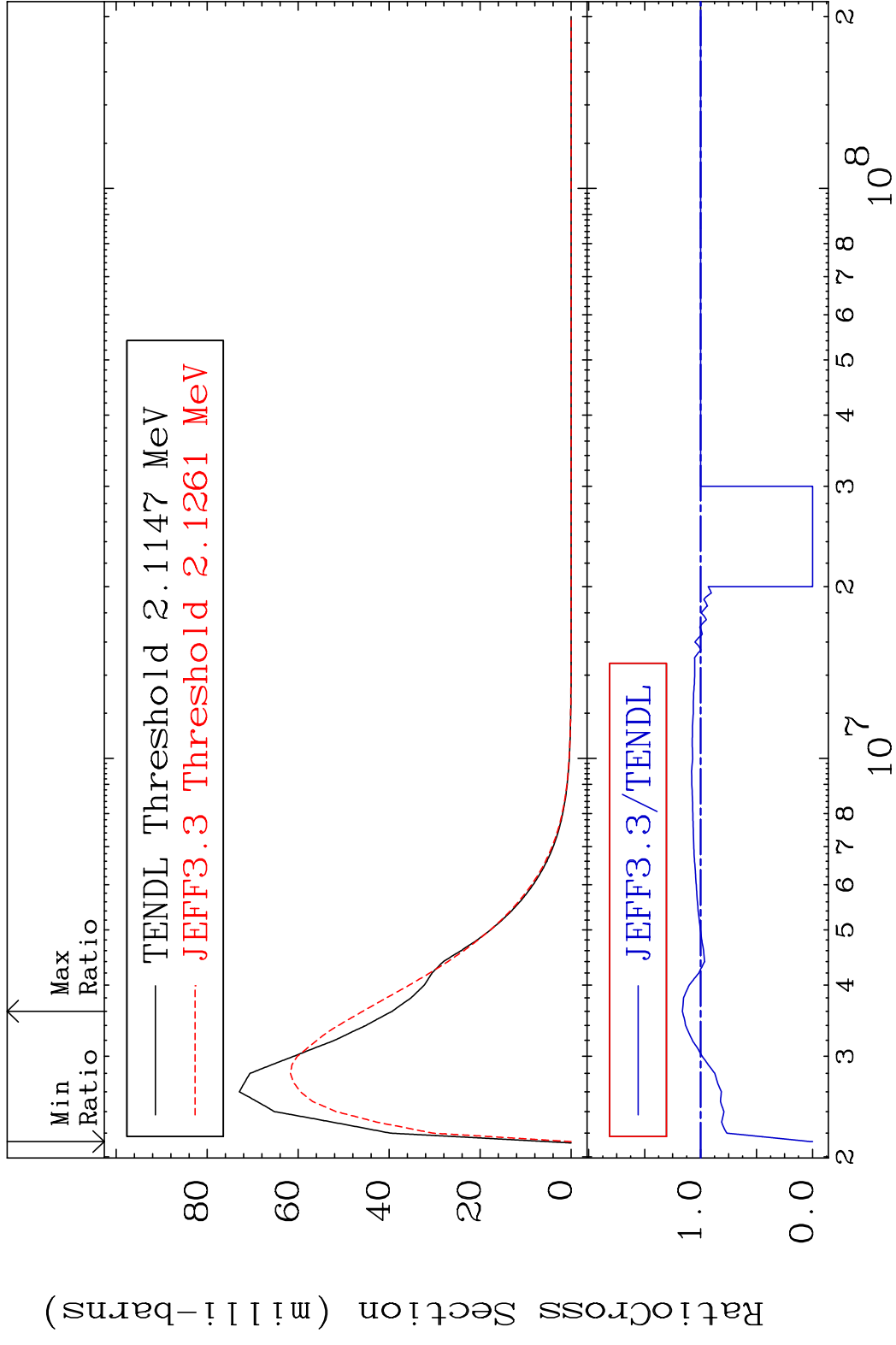
MAT 2925 MT= 58 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 0.000 %



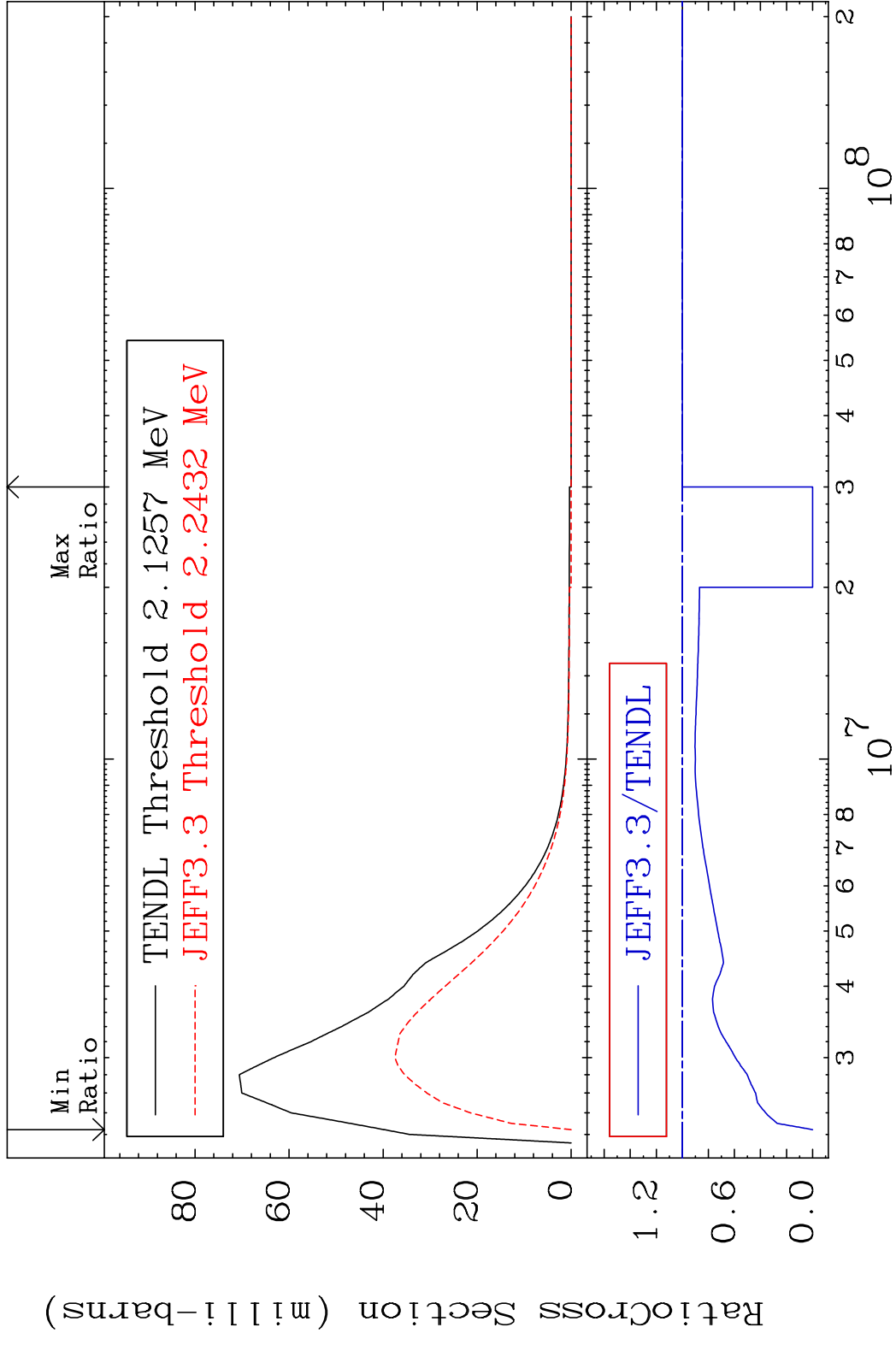
MAT 2925 MT= 59 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 102.0 %



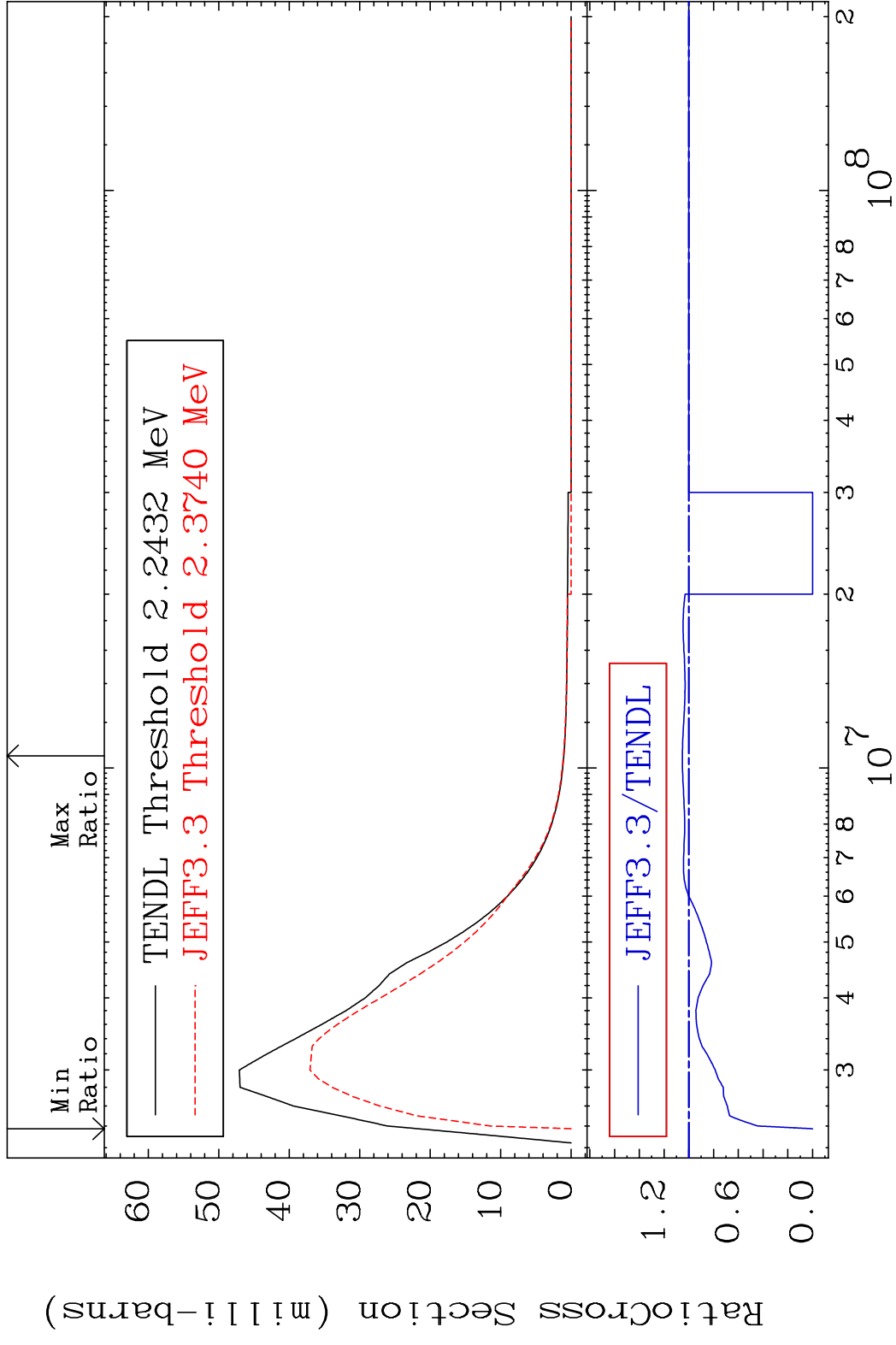
MAT 2925 MT= 60 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 16.36 %



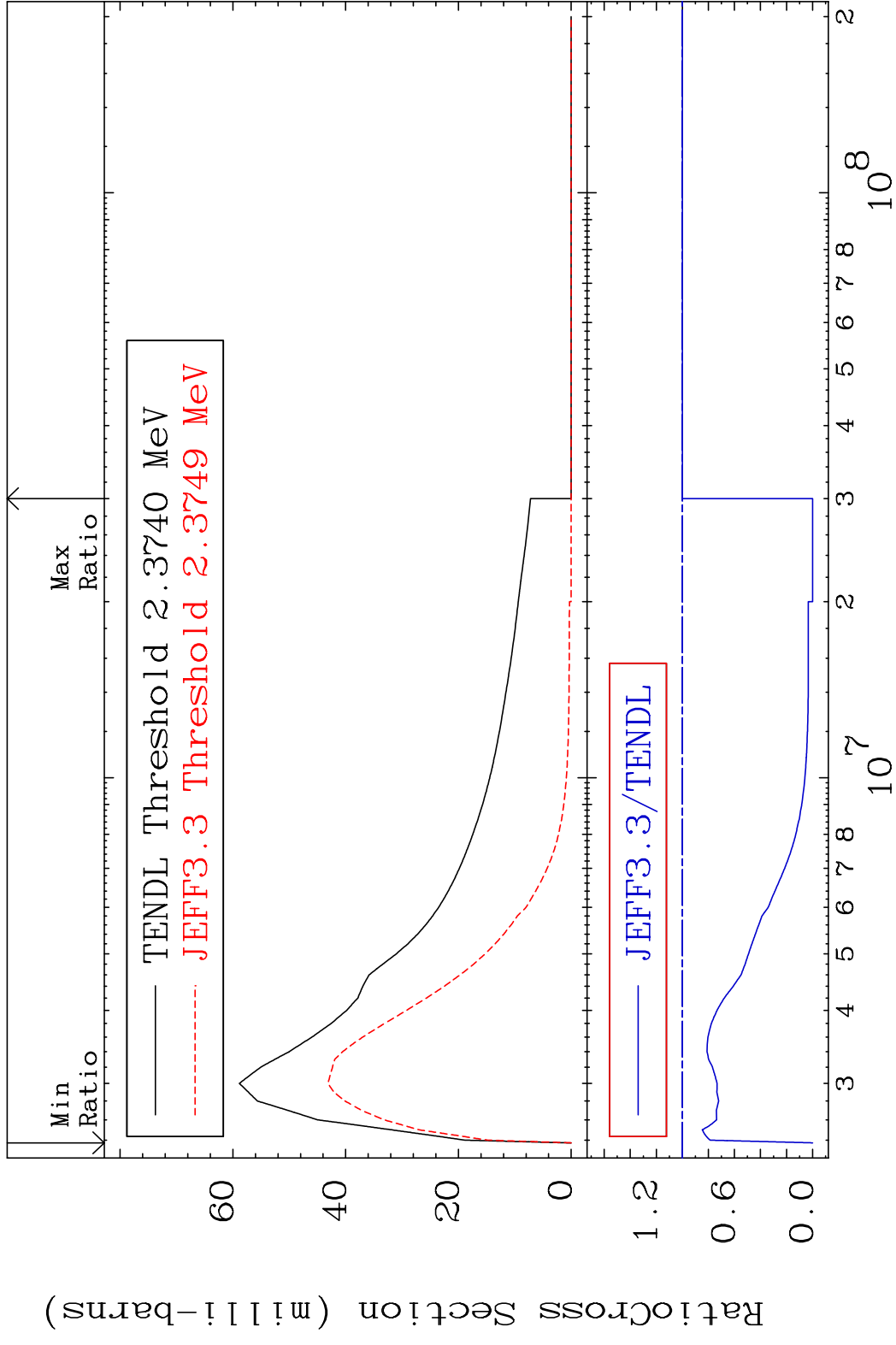
MAT 2925 MT= 61 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 0.000 %



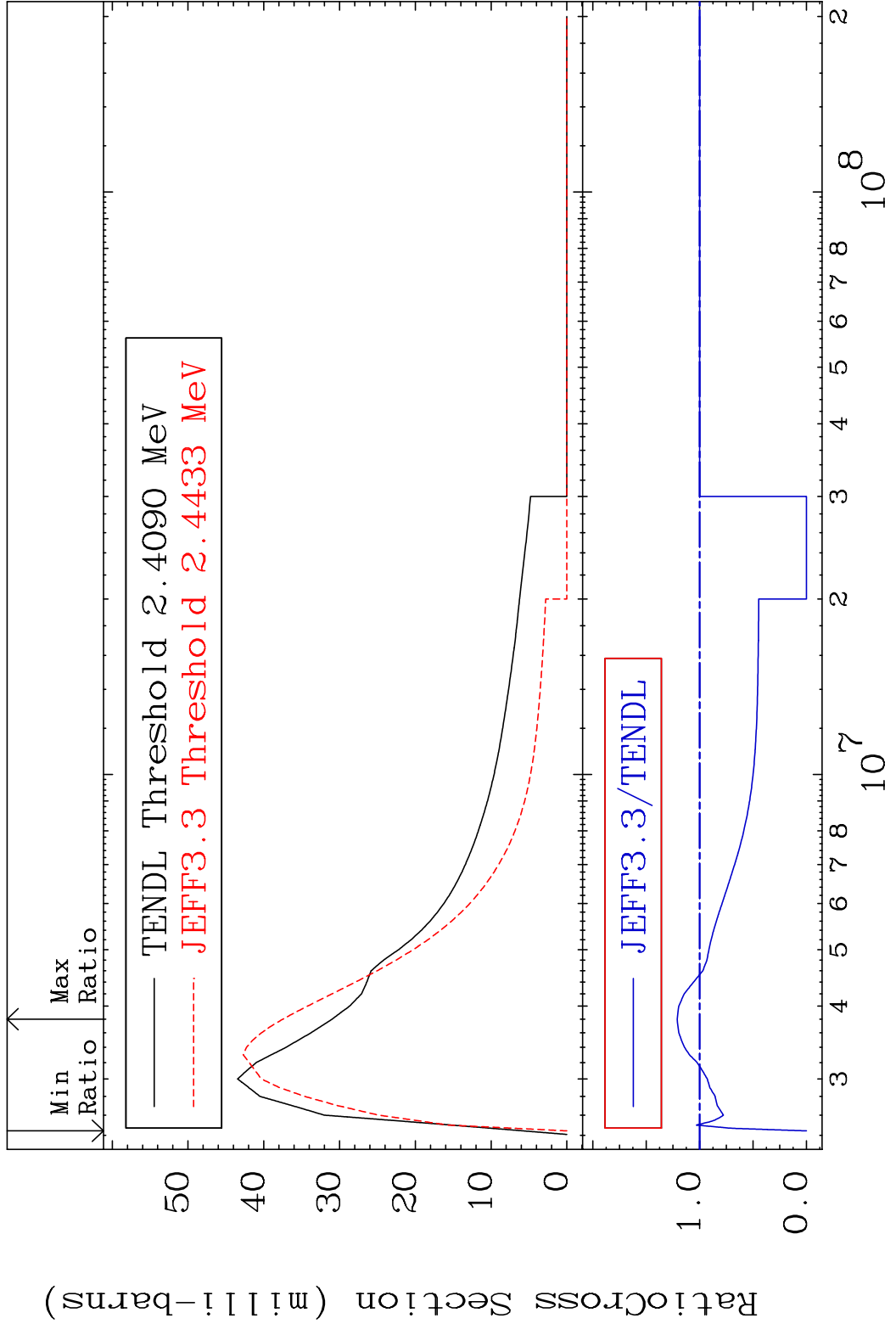
MAT 2925 MT= 62 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 5.229 %



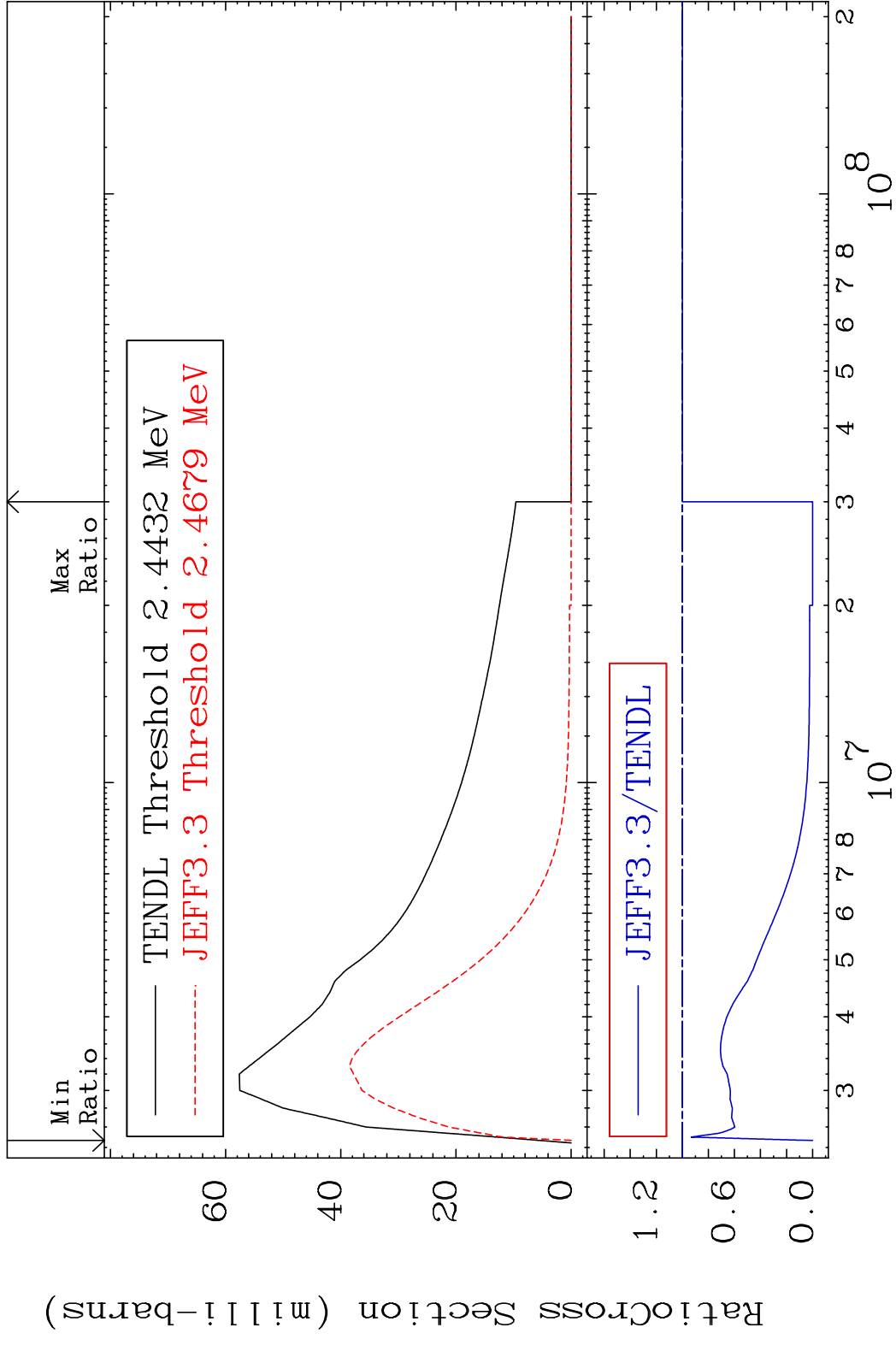
MAT 2925      MT= 63 (n, n') Level      29-Cu-63  
 Cross Section    -100.0 To 0.000 %



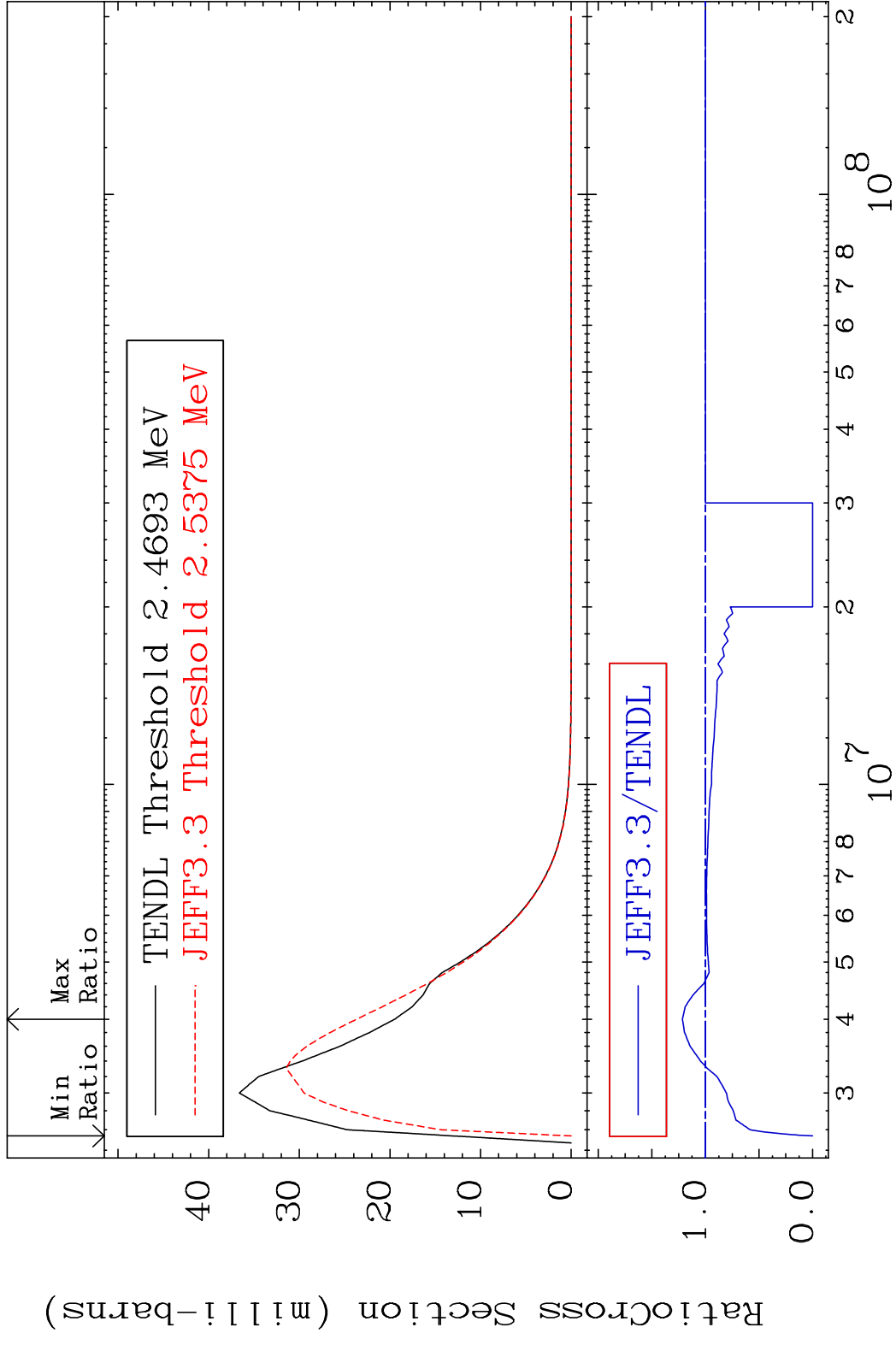
MAT 2925 MT= 64 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 20.95 %



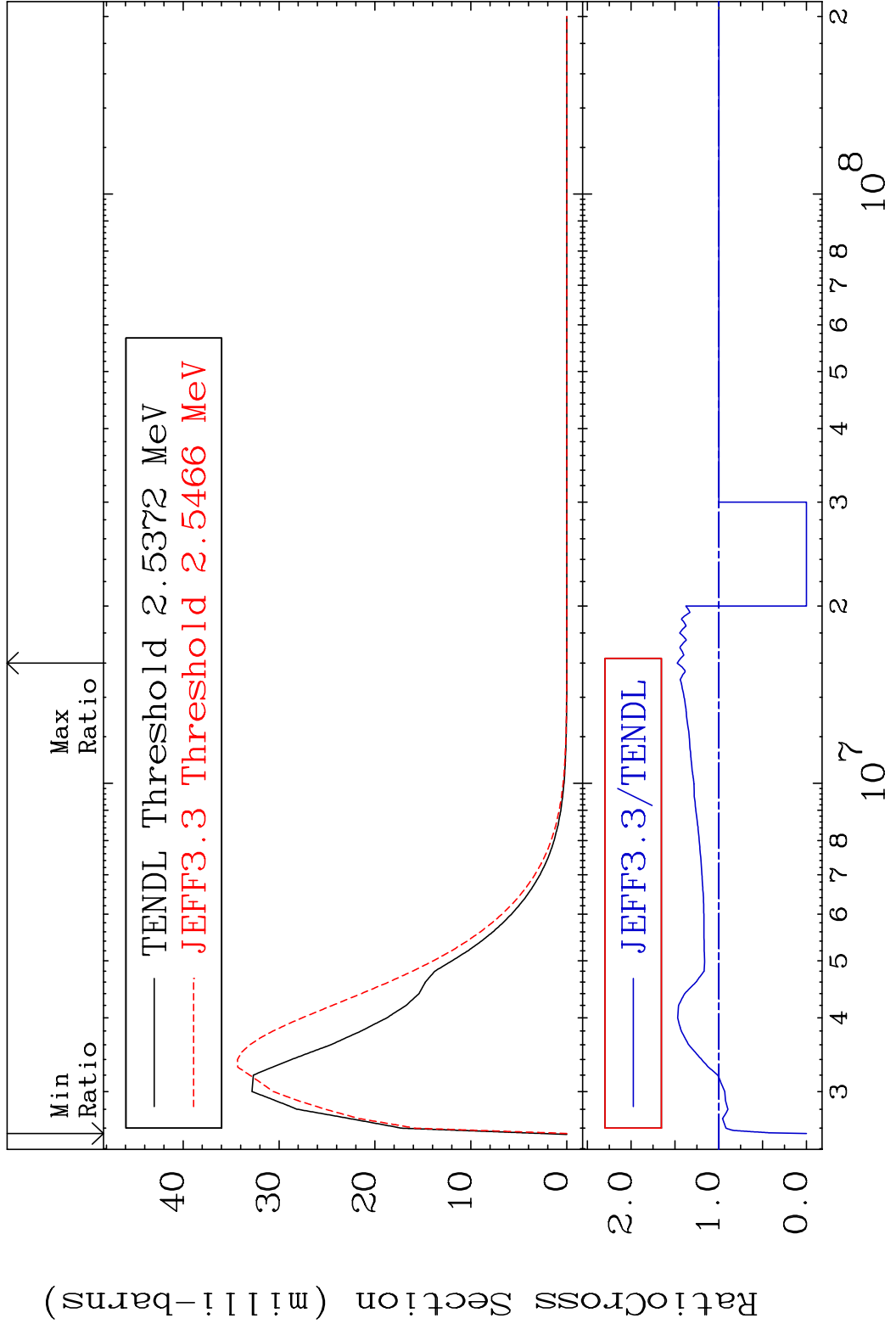
MAT 2925 MT= 65 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 0.000 %



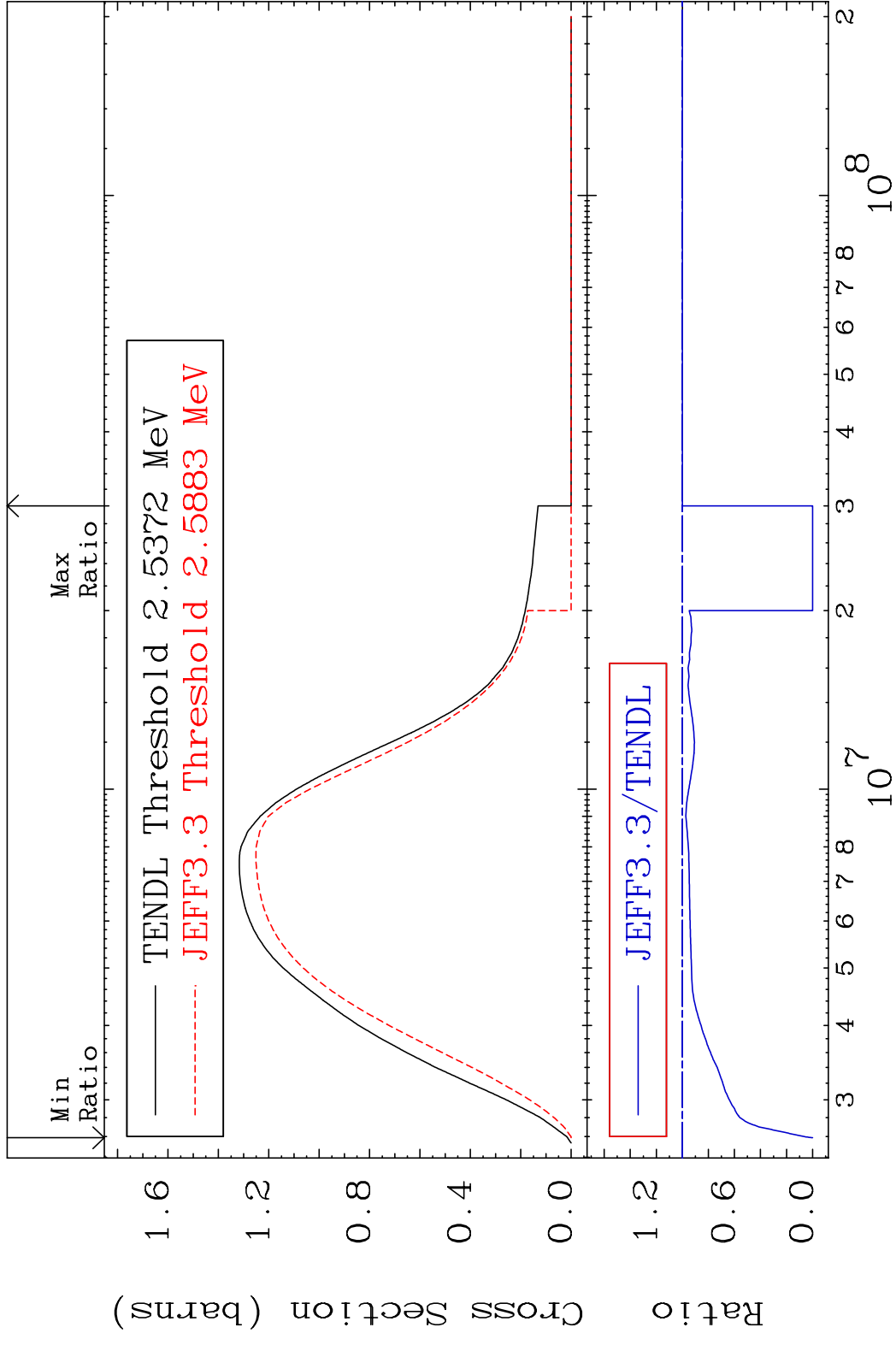
MAT 2925 MT= 66 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 21.56 %



MAT 2925 MT= 67 (n, n') Level 29-Cu-63  
 Cross Section -100.0 To 47.45 %



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

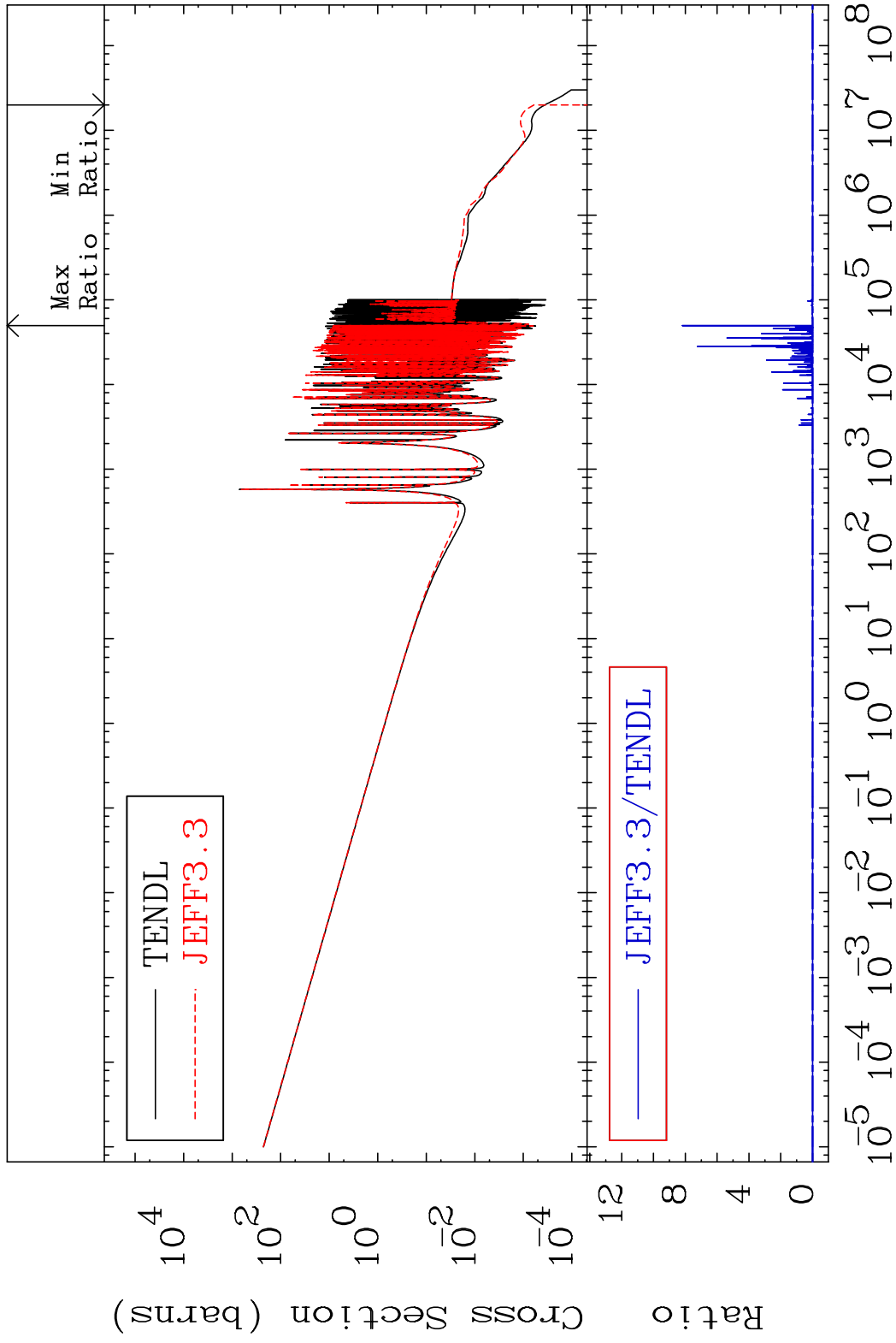


MAT 2925

(n,  $\gamma$ )

29-Cu-63

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

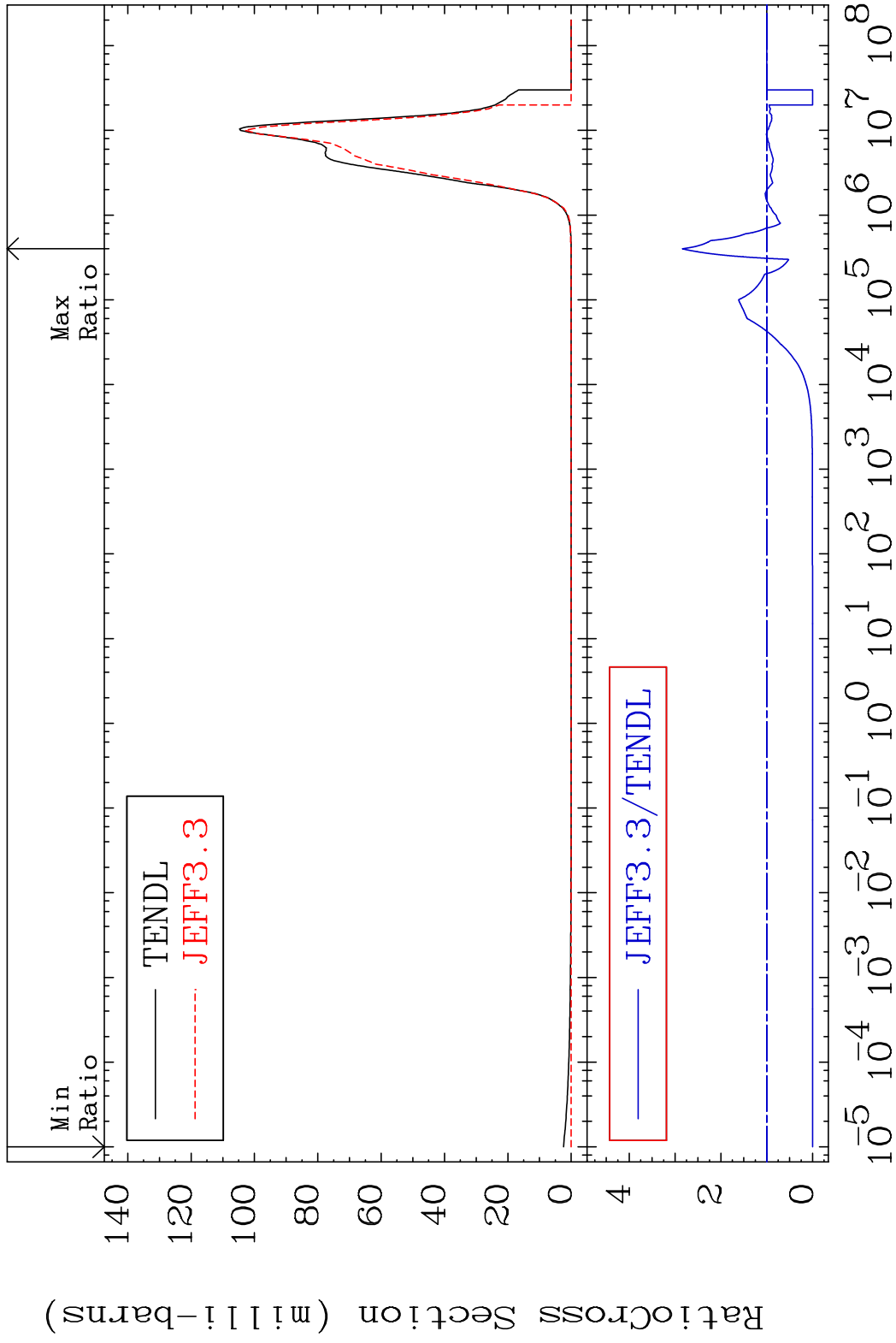
29-Cu-63

MAT 2925

(n, p)

29-Cu-63

Cross Section -100.0 To 184.1 %

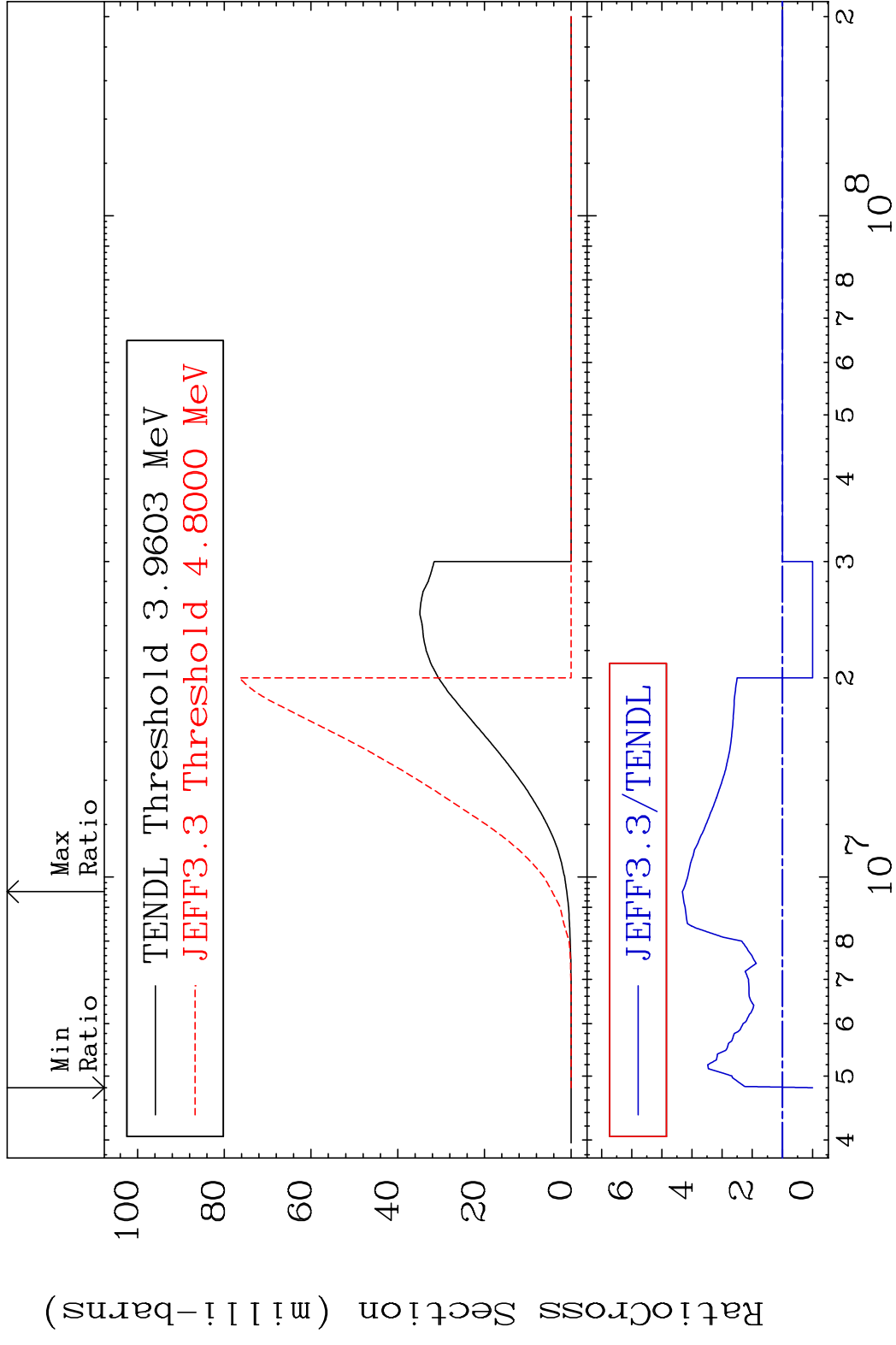


29

Incident Energy (eV)

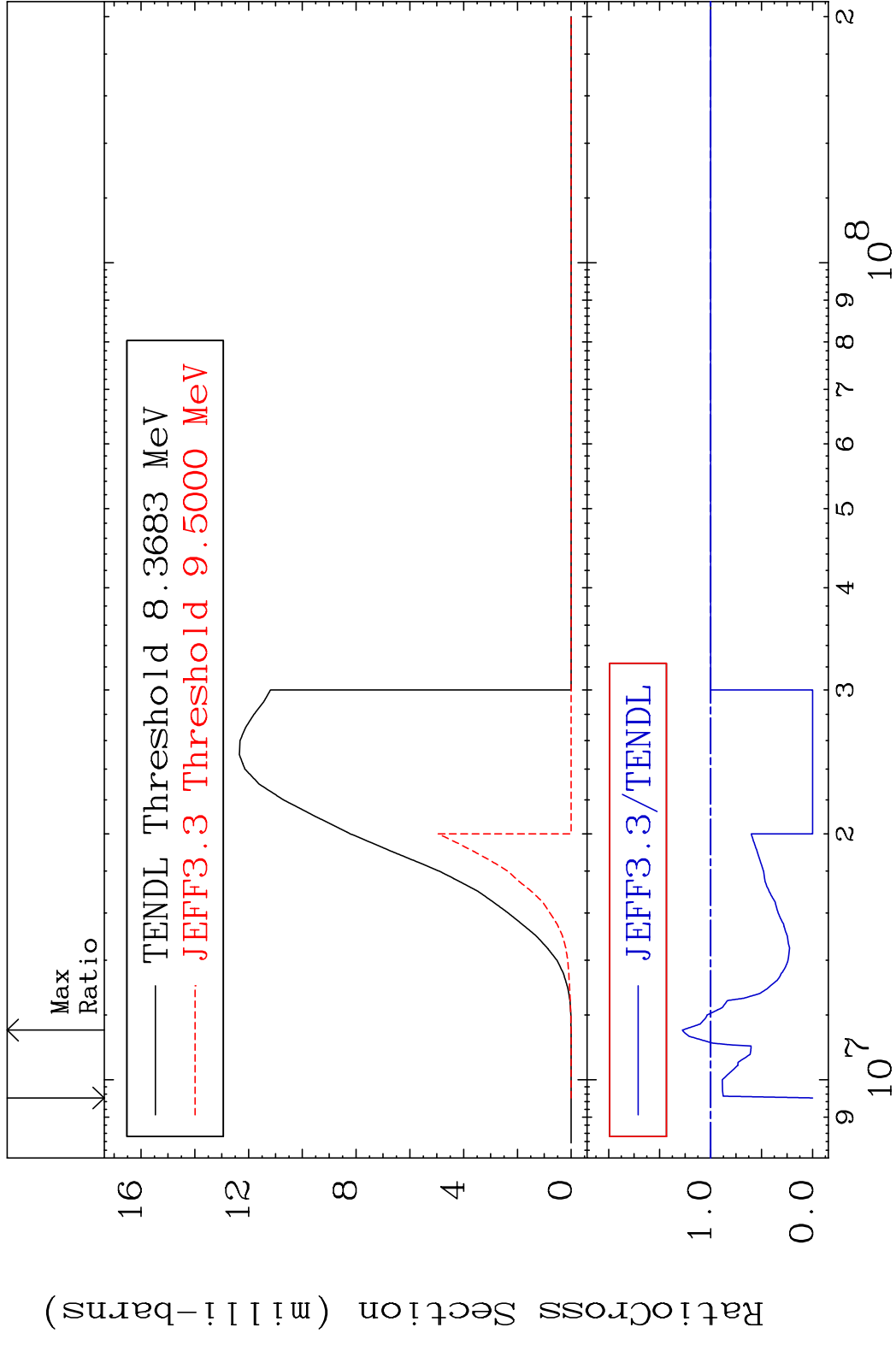
29-Cu-63

MAT 2925 (n, d) 29-Cu-63  
 Cross Section -100.0 To 331.9 %

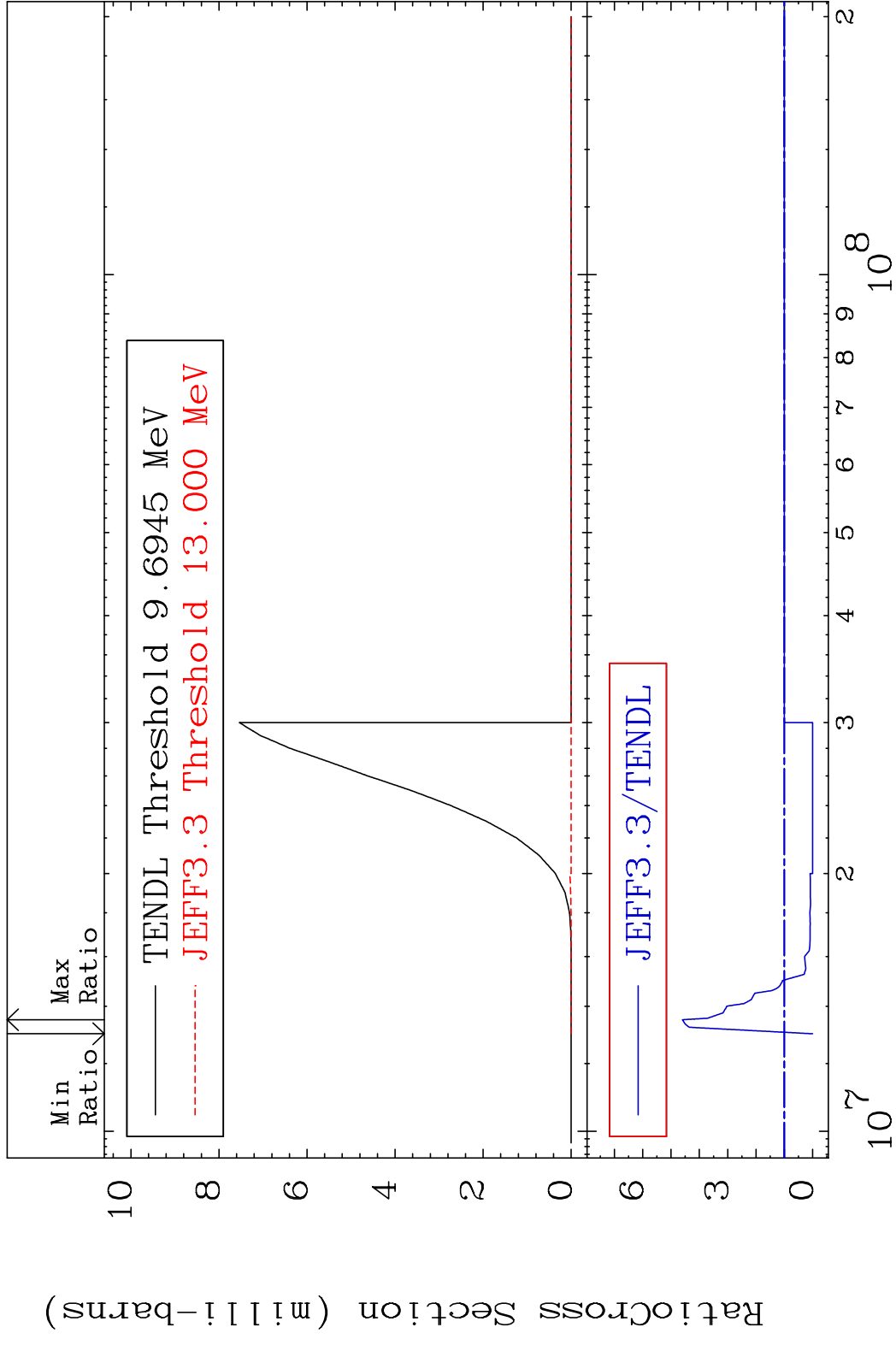


30 Incident Energy (eV) 29-Cu-63

MAT 2925 (n, t) 29-Cu-63  
 Cross Section -100.0 To 27.69 %



MAT 2925 (n, He-3) 29-Cu-63  
 Cross Section -100.0 To 360.2 %



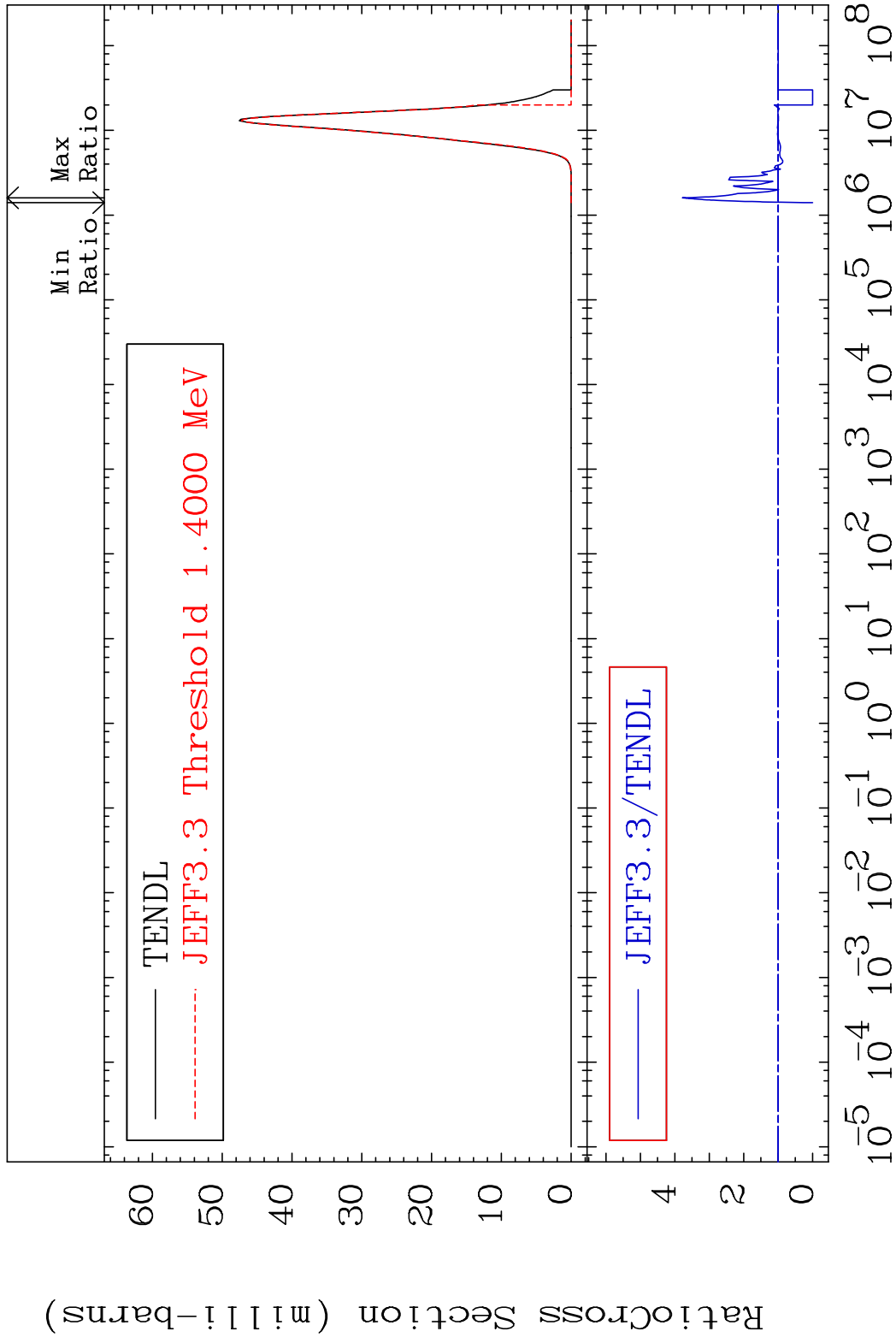
32 29-Cu-63

MAT 2925

(n,  $\alpha$ )

29-Cu-63

Cross Section -100.0 To 278.0 %

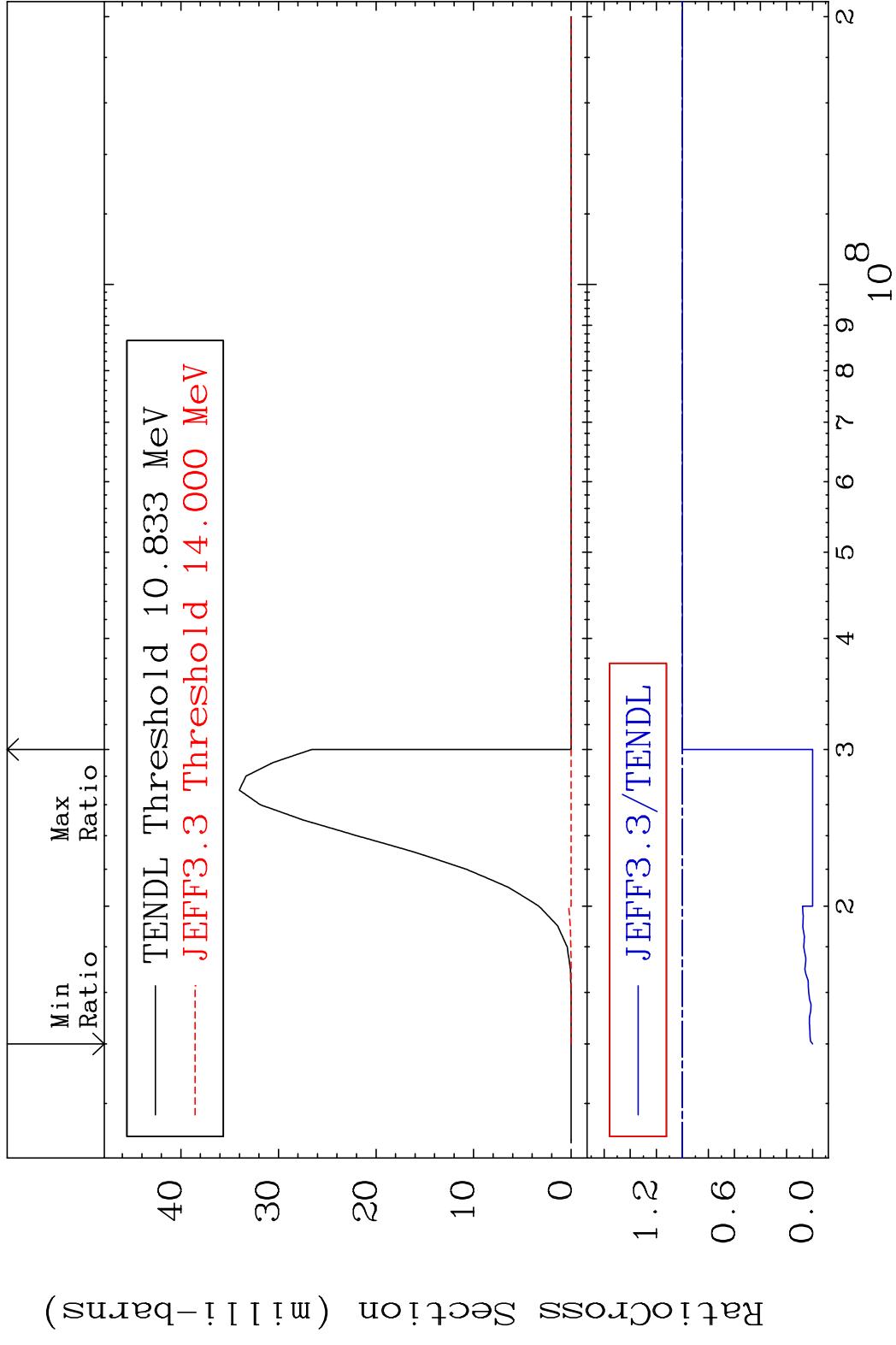


33

Incident Energy (eV)

29-Cu-63

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

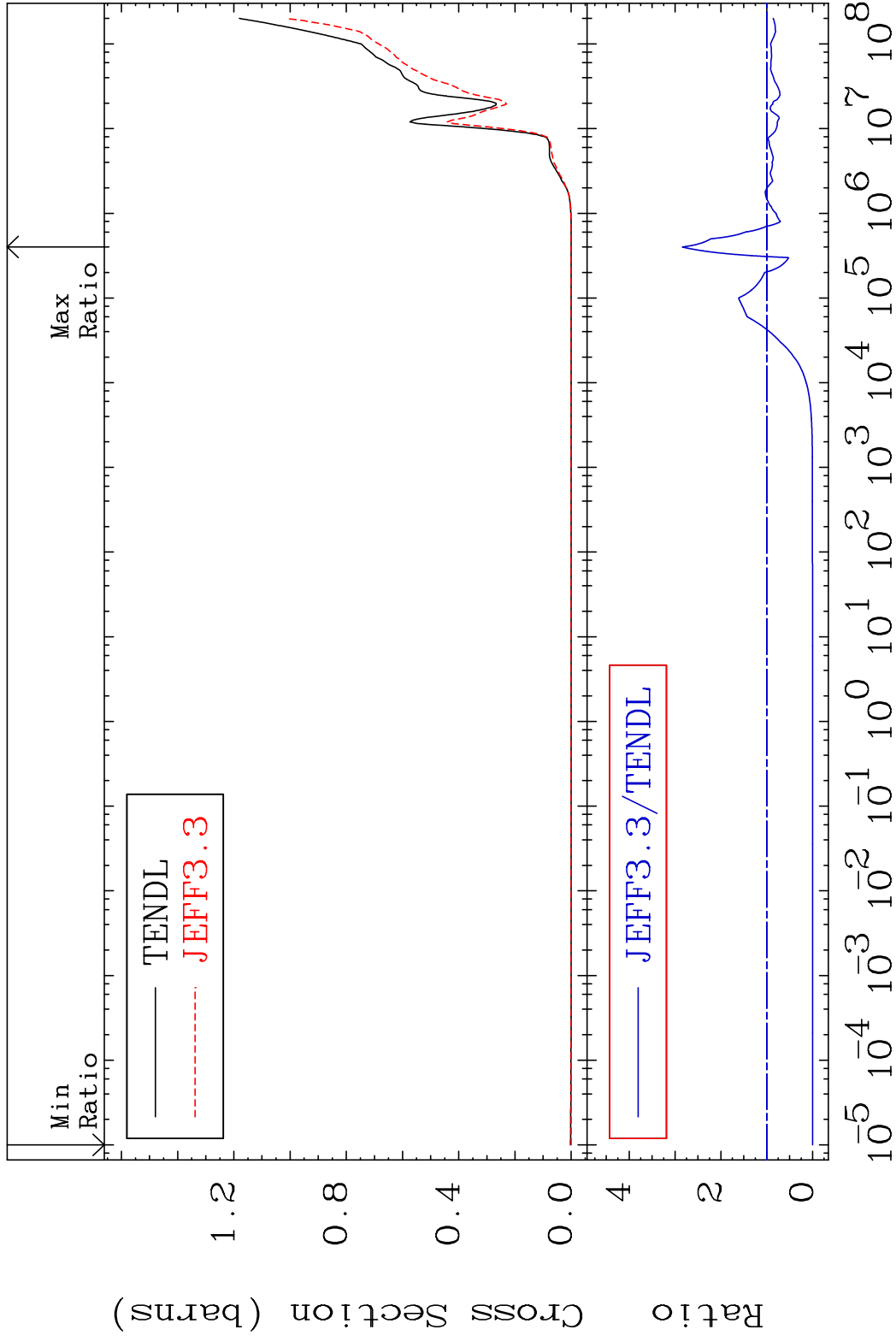


MAT 2925

Hydrogen Production

<sup>29</sup>Cu-63

Cross Section -100.0 To 184.1 %

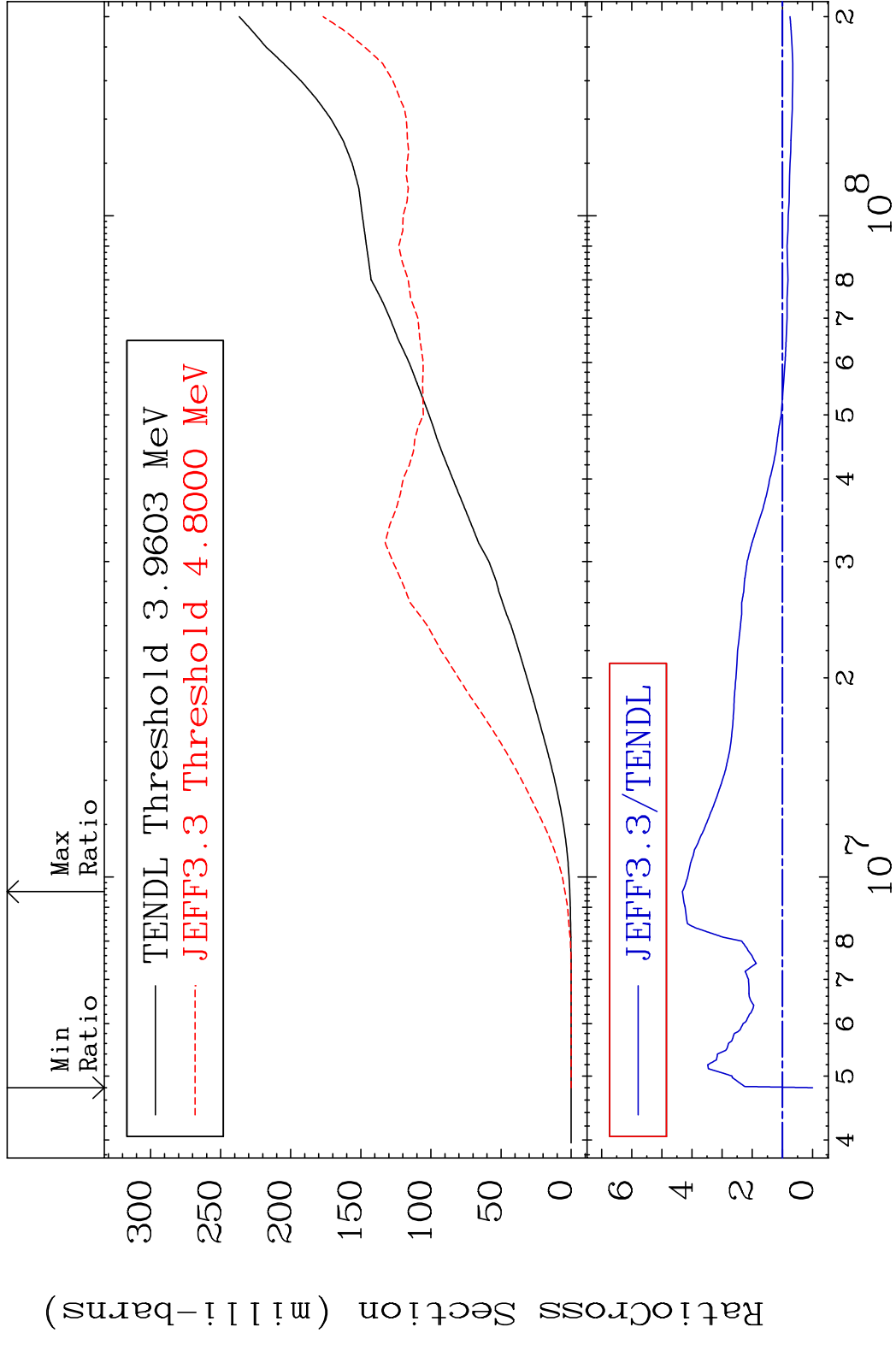


35

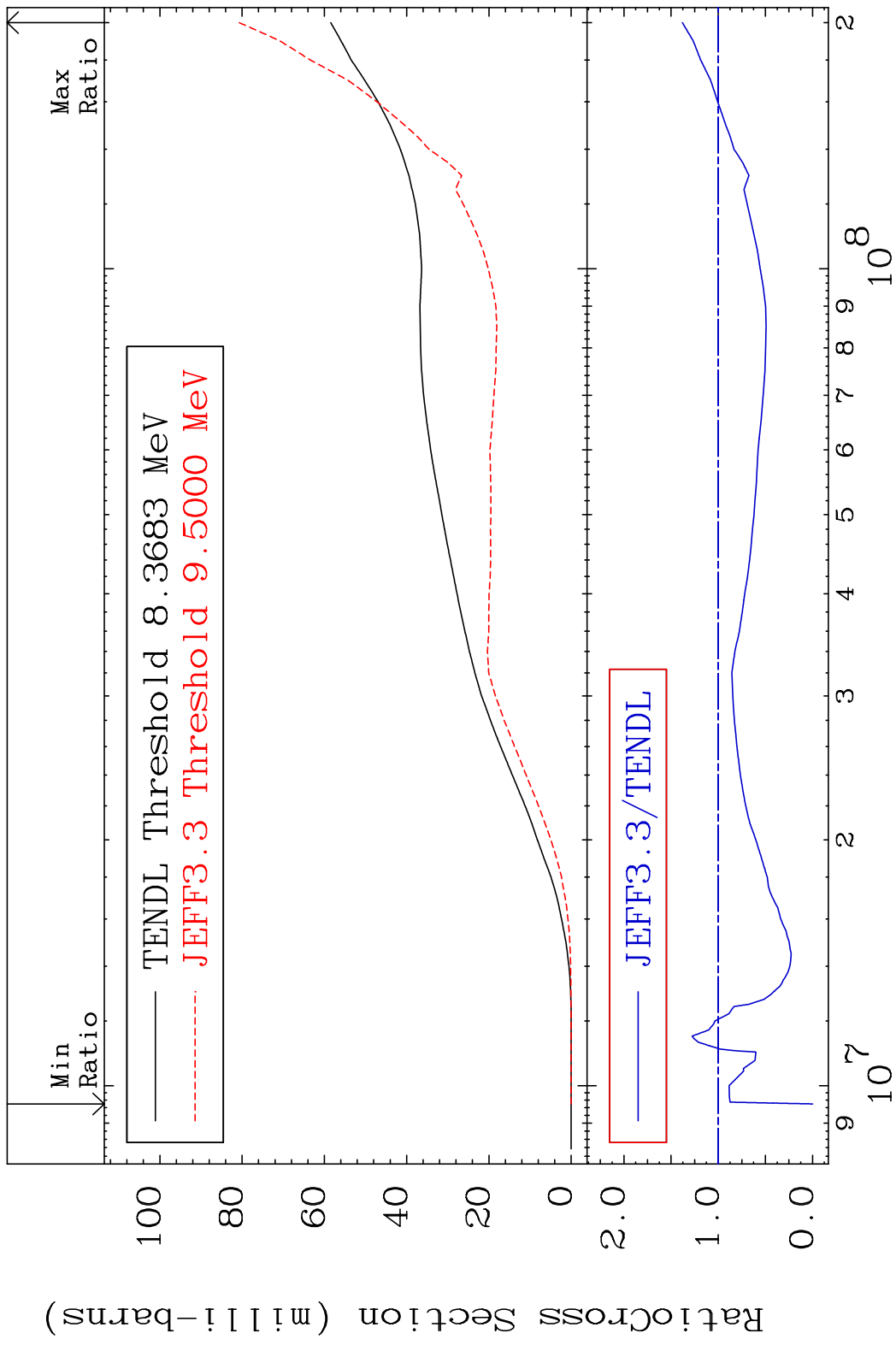
Incident Energy (eV)

<sup>29</sup>Cu-63

MAT 2925 Deuterium Production 29-Cu-63  
 Cross Section -100.0 To 331.9 %



MAT 2925 Tritium Production 29-Cu-63  
 Cross Section -100.0 To 38.04 %



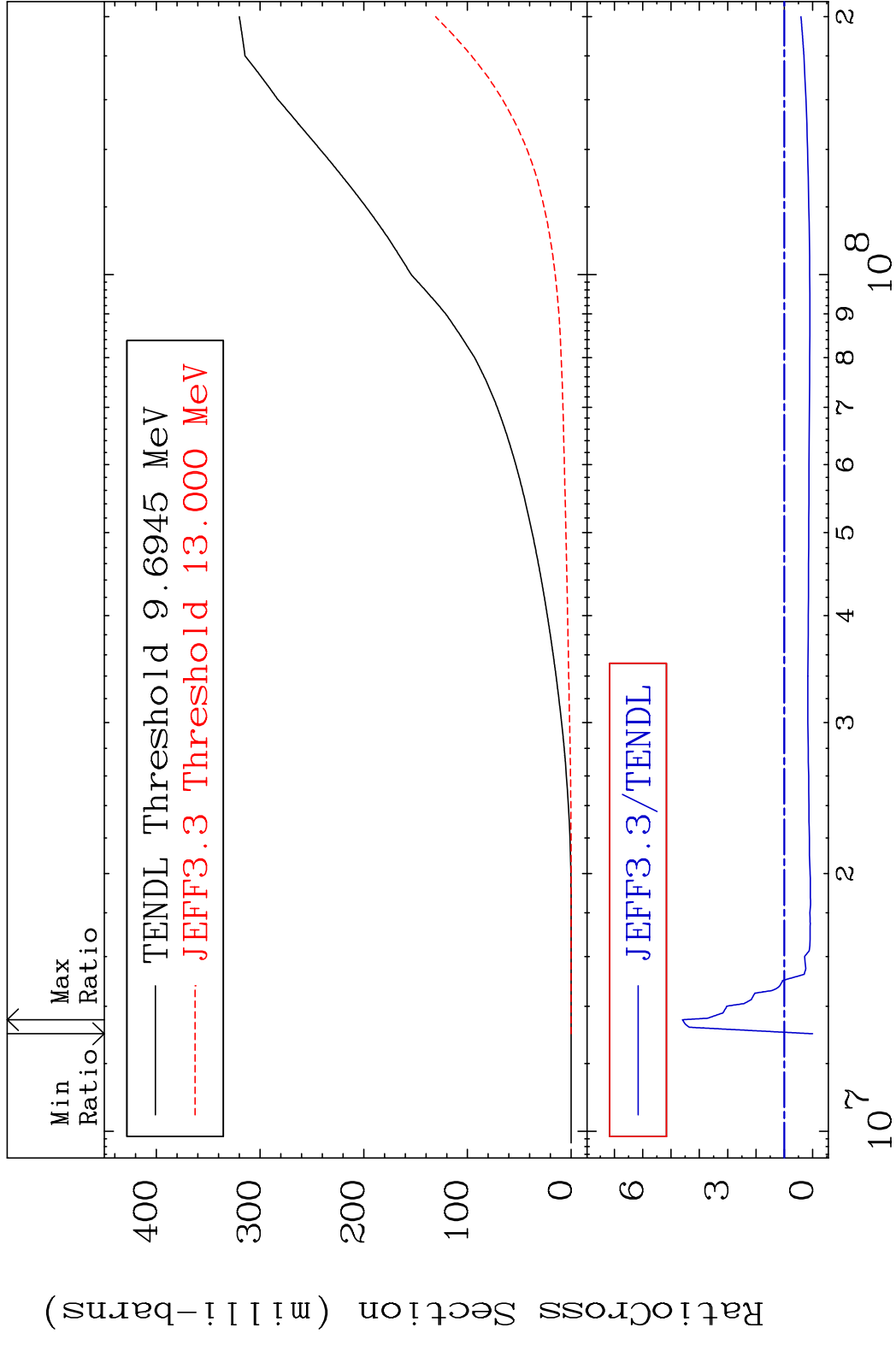
37 Incident Energy (eV) 29-Cu-63

MAT 2925

He-3 Production

29-Cu-63

Cross Section -100.0 To 360.2 %



38

Incident Energy (eV)

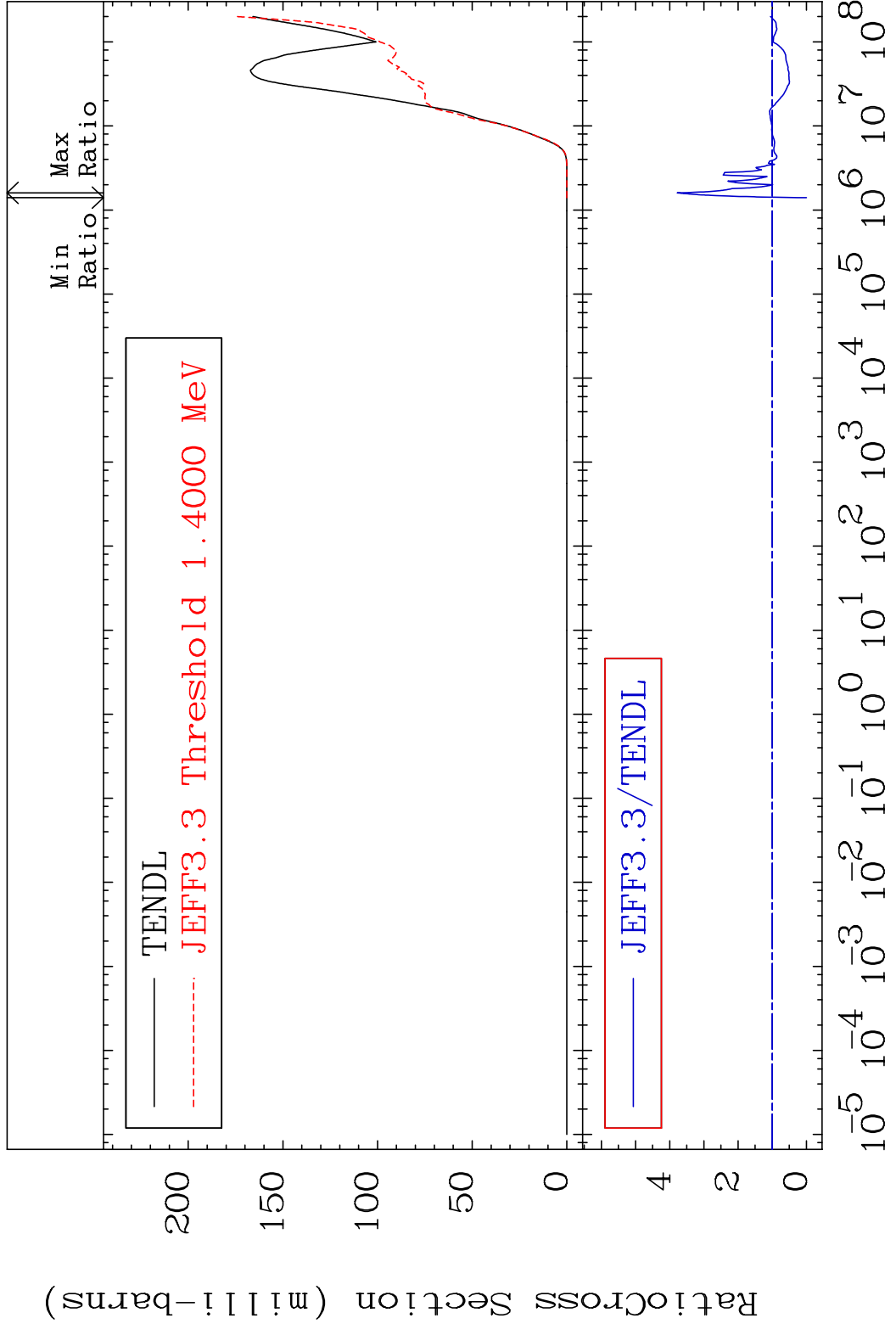
29-Cu-63

MAT 2925

He-4 Production

29-Cu-63

Cross Section -100.0 To 278.0 %

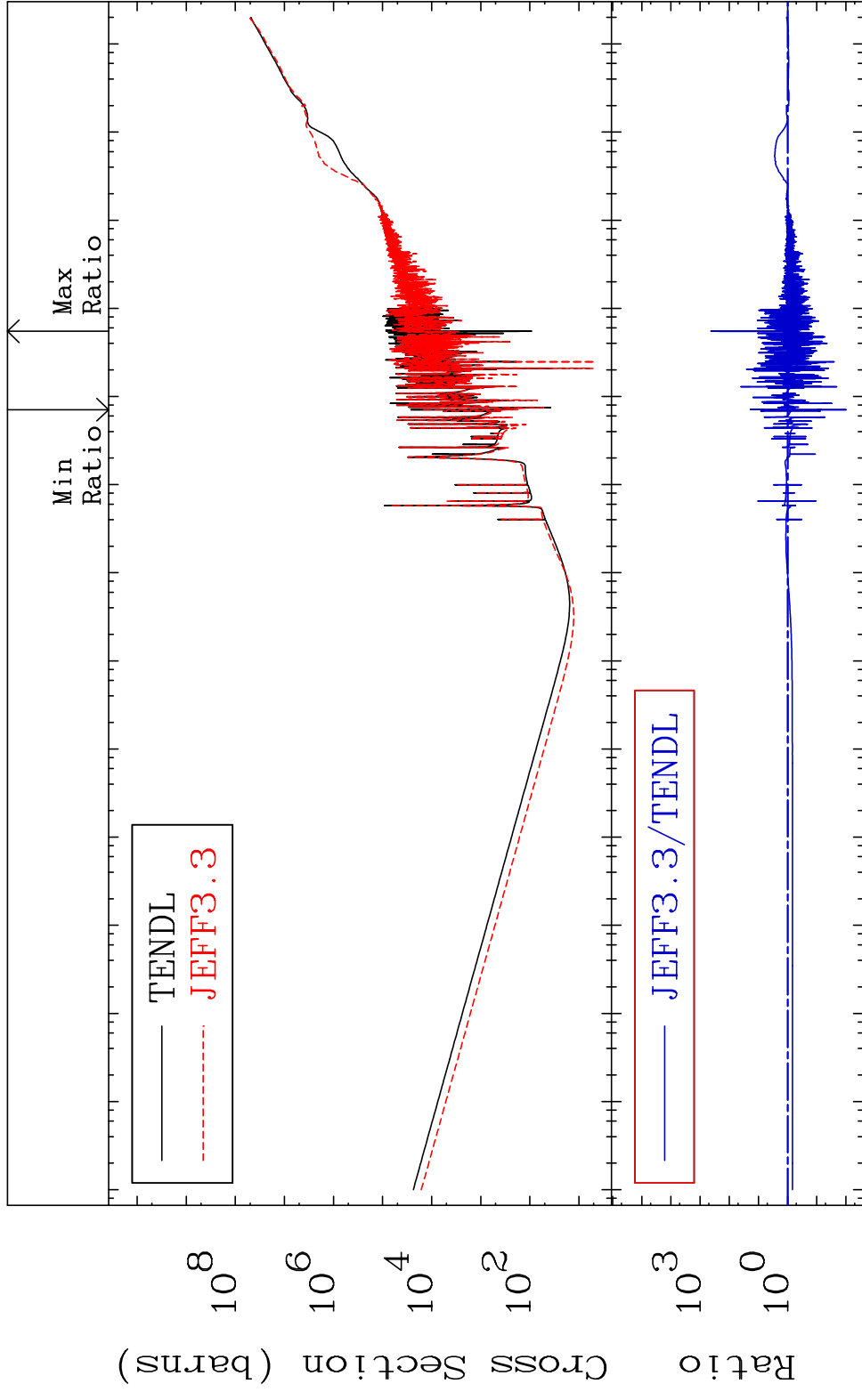


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Incident Energy (eV)

29-Cu-63

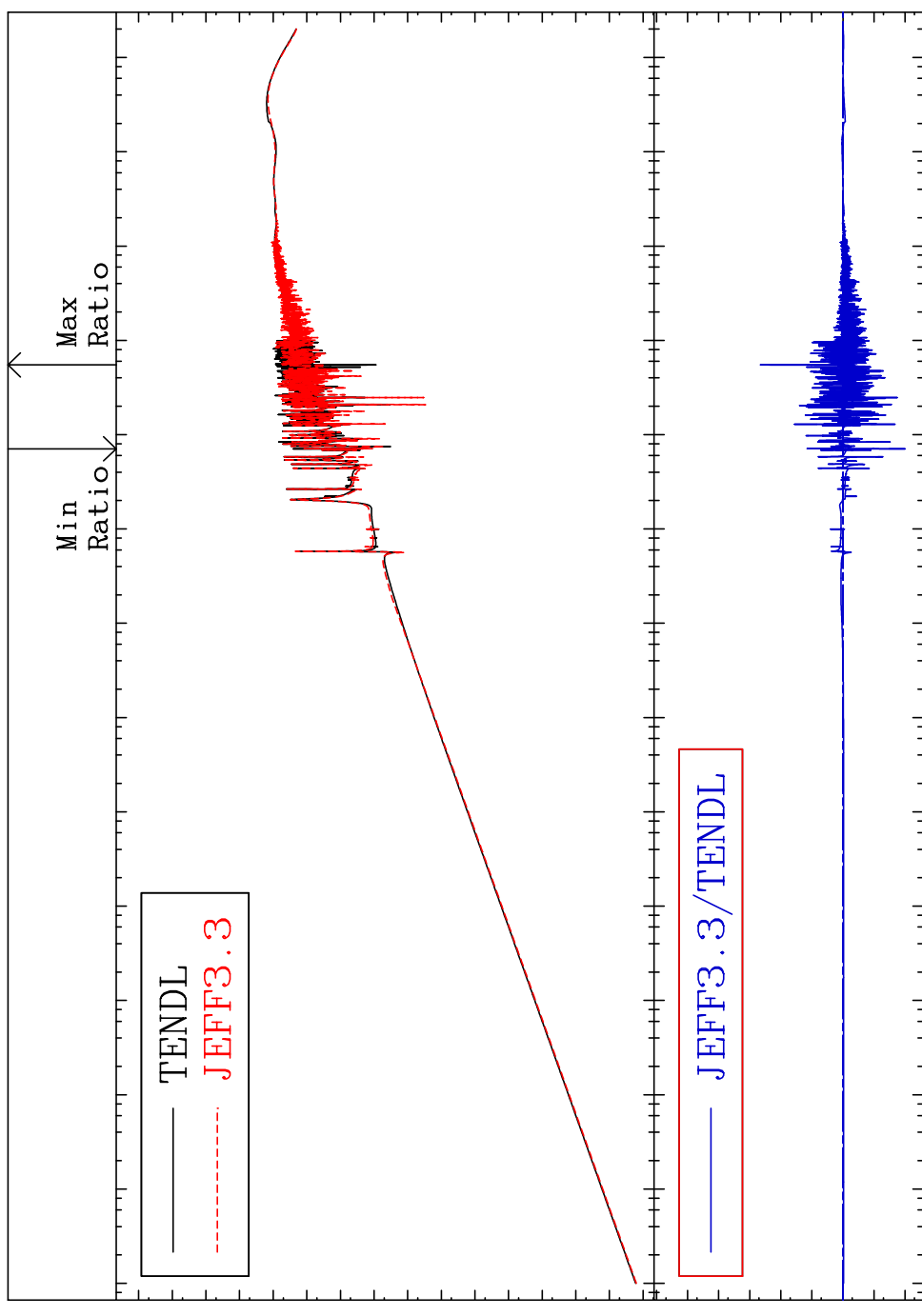
MAT 2925 Kerma total (eV-barns) 29-Cu-63  
 Cross Section -99.03 To 9999. %



40 Incident Energy (eV) 29-Cu-63

MAT 2925

Kerma elastic Cross Section -99.01 To 9999. %  
29-Cu-63

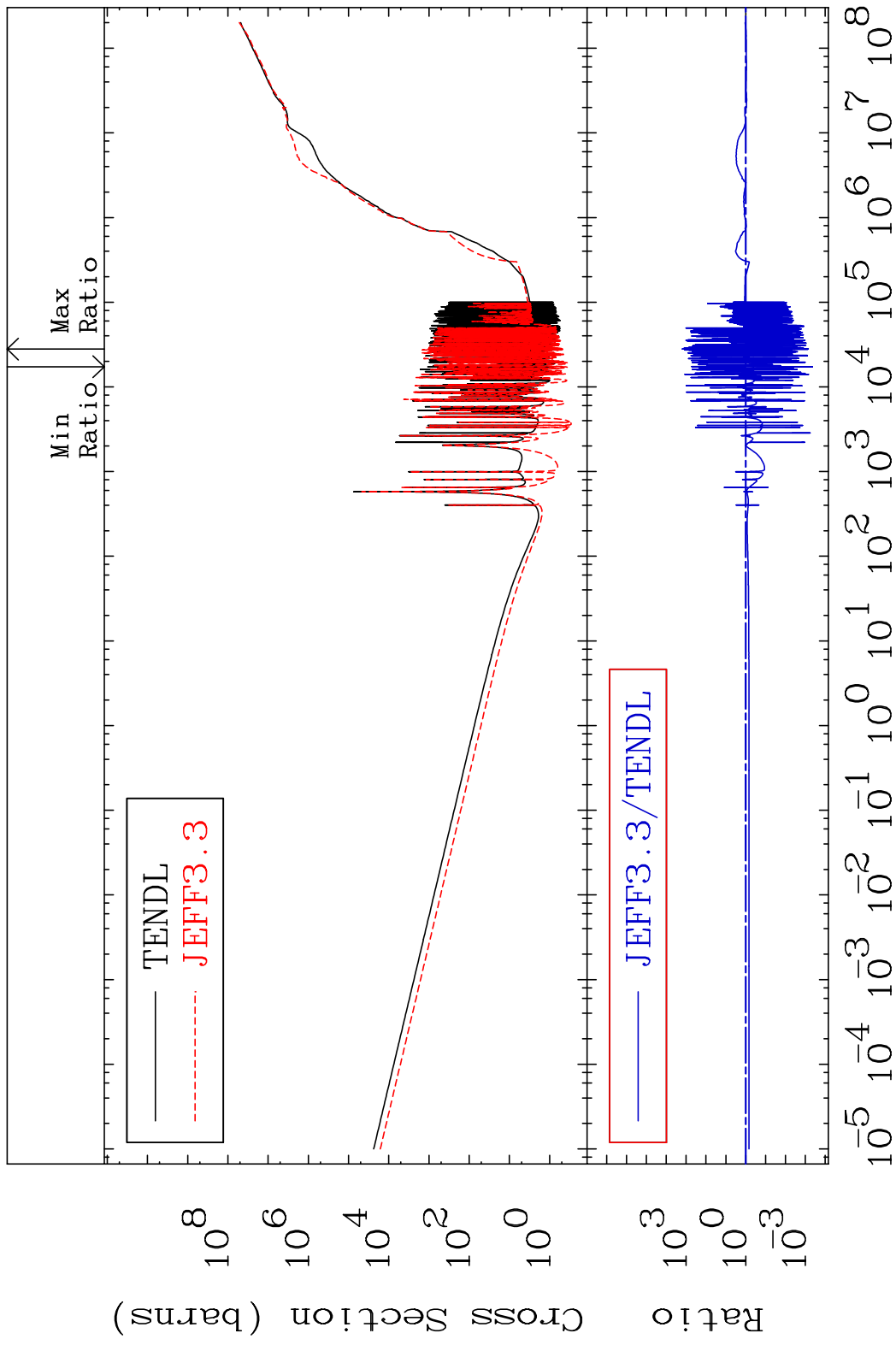


$10^8$   
 $10^6$   
 $10^4$   
 $10^2$   
 $10^0$   
 $10^{-2}$   
 $10^{-4}$   
 $10^{-6}$   
Cross Section (barns)

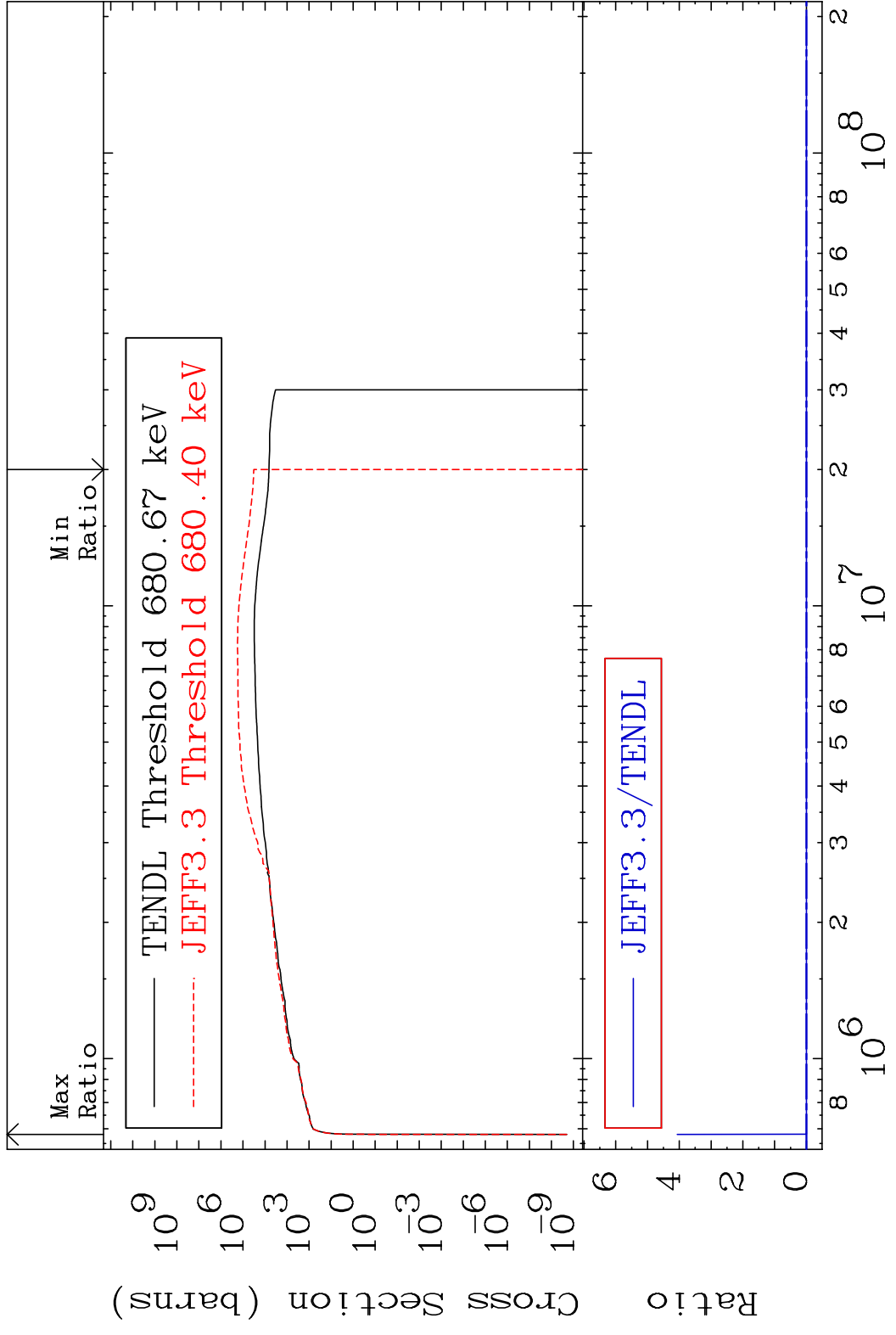
Ratio  
 $10^3$   
 $10^0$

$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$   
Incident Energy (eV)

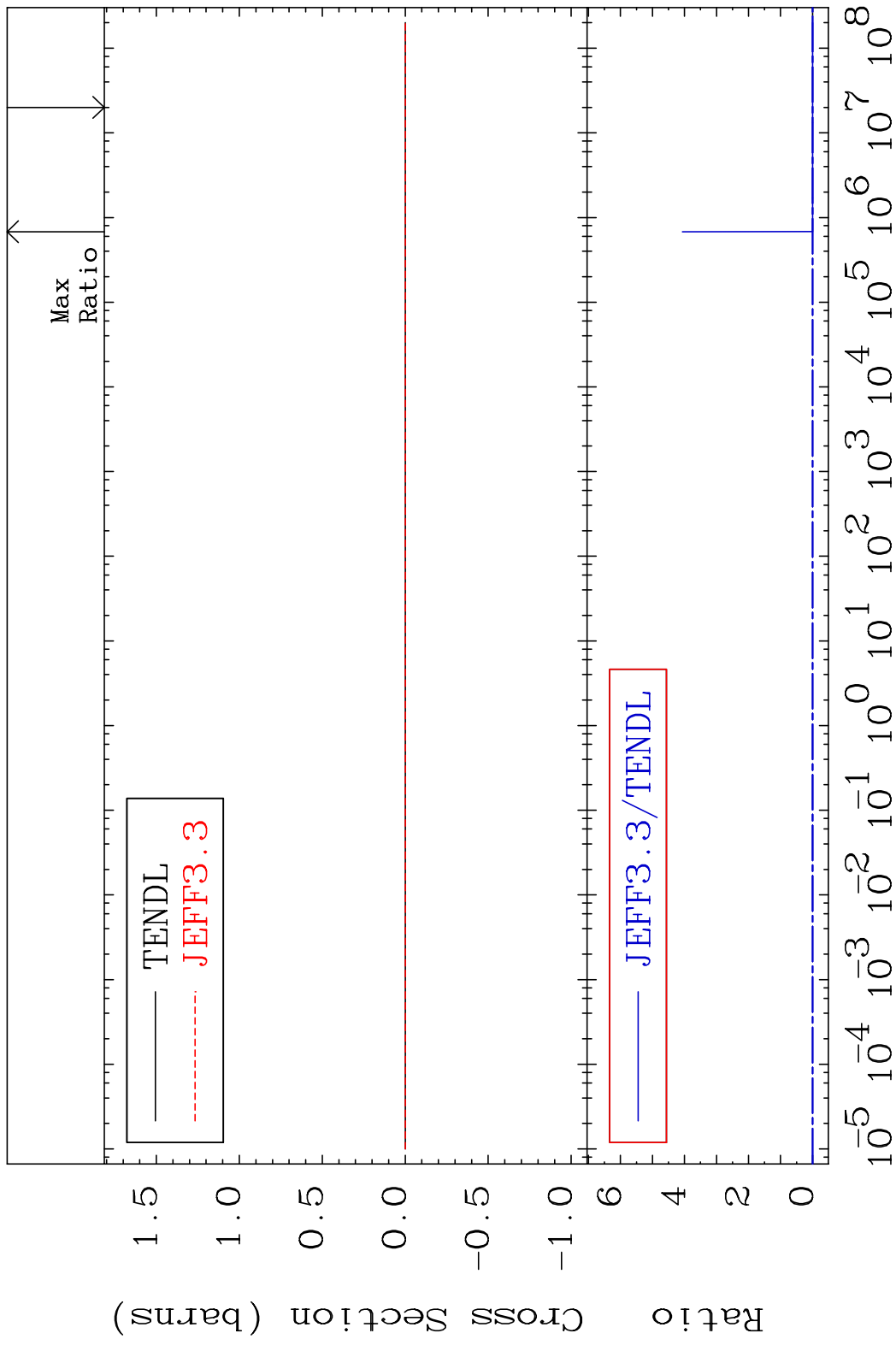
MAT 2925 Kerma non-elastic (all but mt2) 29-Cu-63  
 Cross Section -99.96 To 9999. %



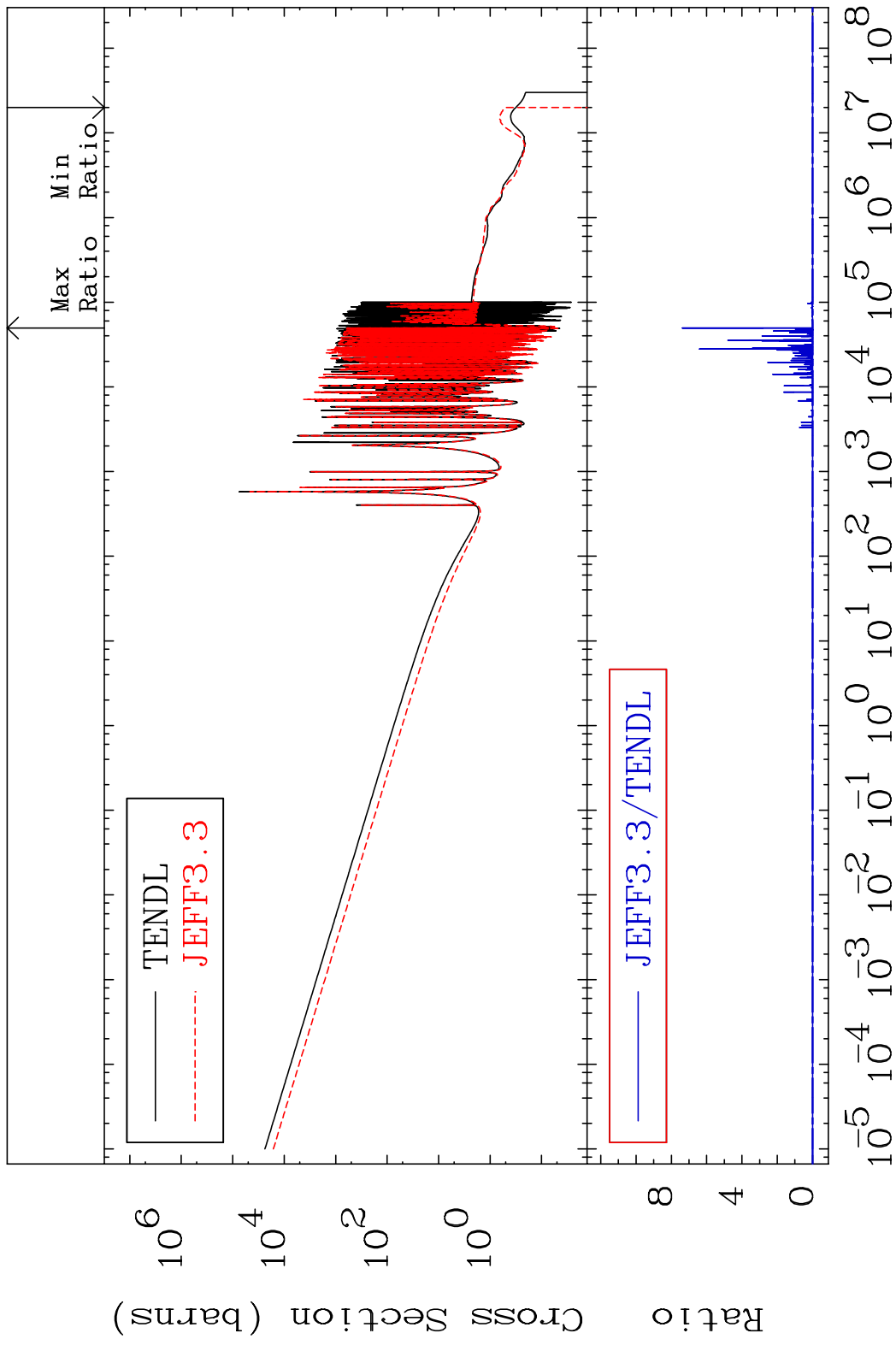
MAT 2925 Kerma inelastic (mt51-91) 29-Cu-63  
 Cross Section -100.0 To 9999. %



MAT 2925 Kerma fission (mt18 or mt19-20-21-38) 29-Cu-63  
 Cross Section -100.0 To 9999. %

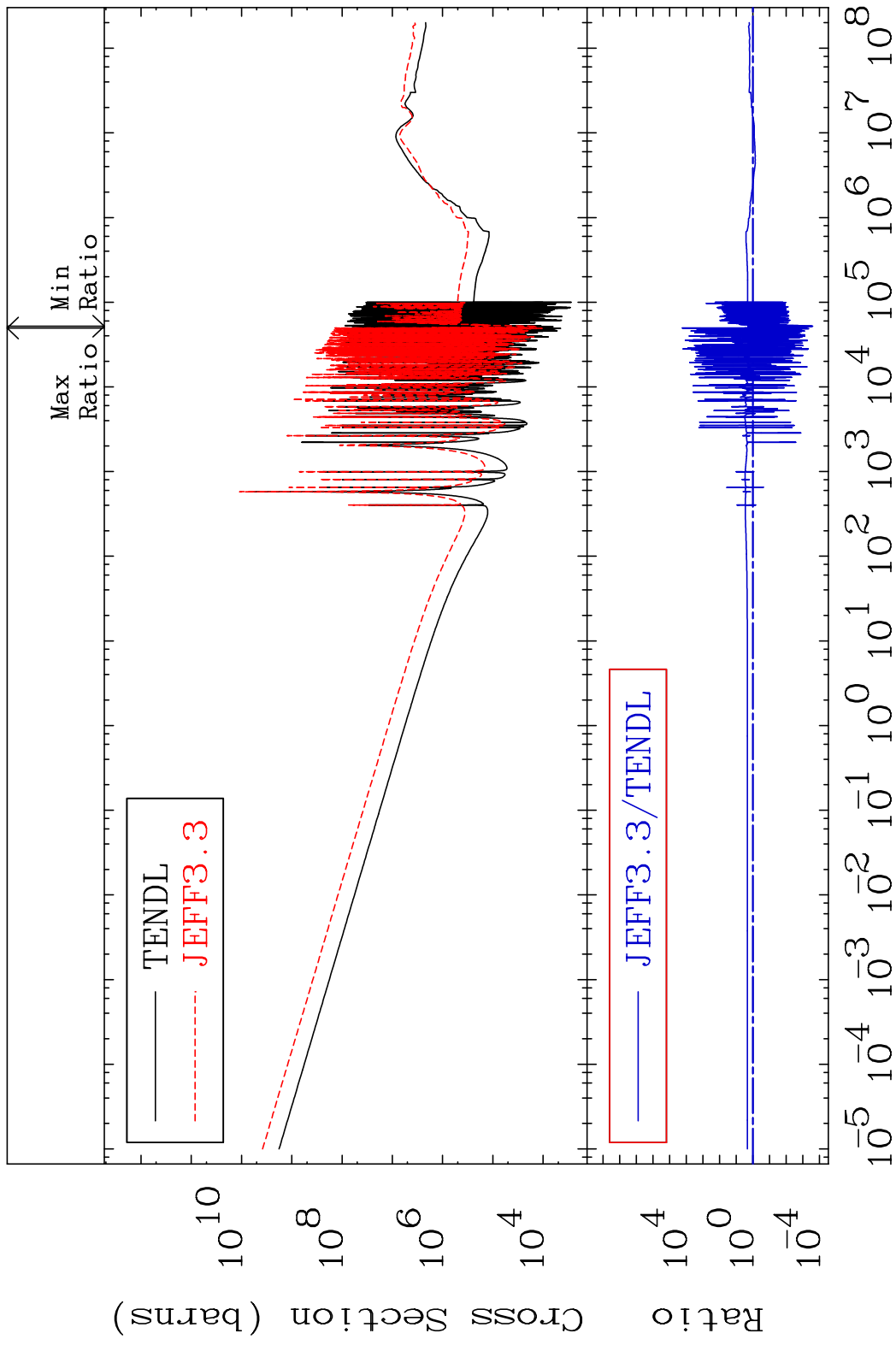


MAT 2925 Kerma capture (mt102) 29-Cu-63  
Cross Section -100.0 To 9999. %

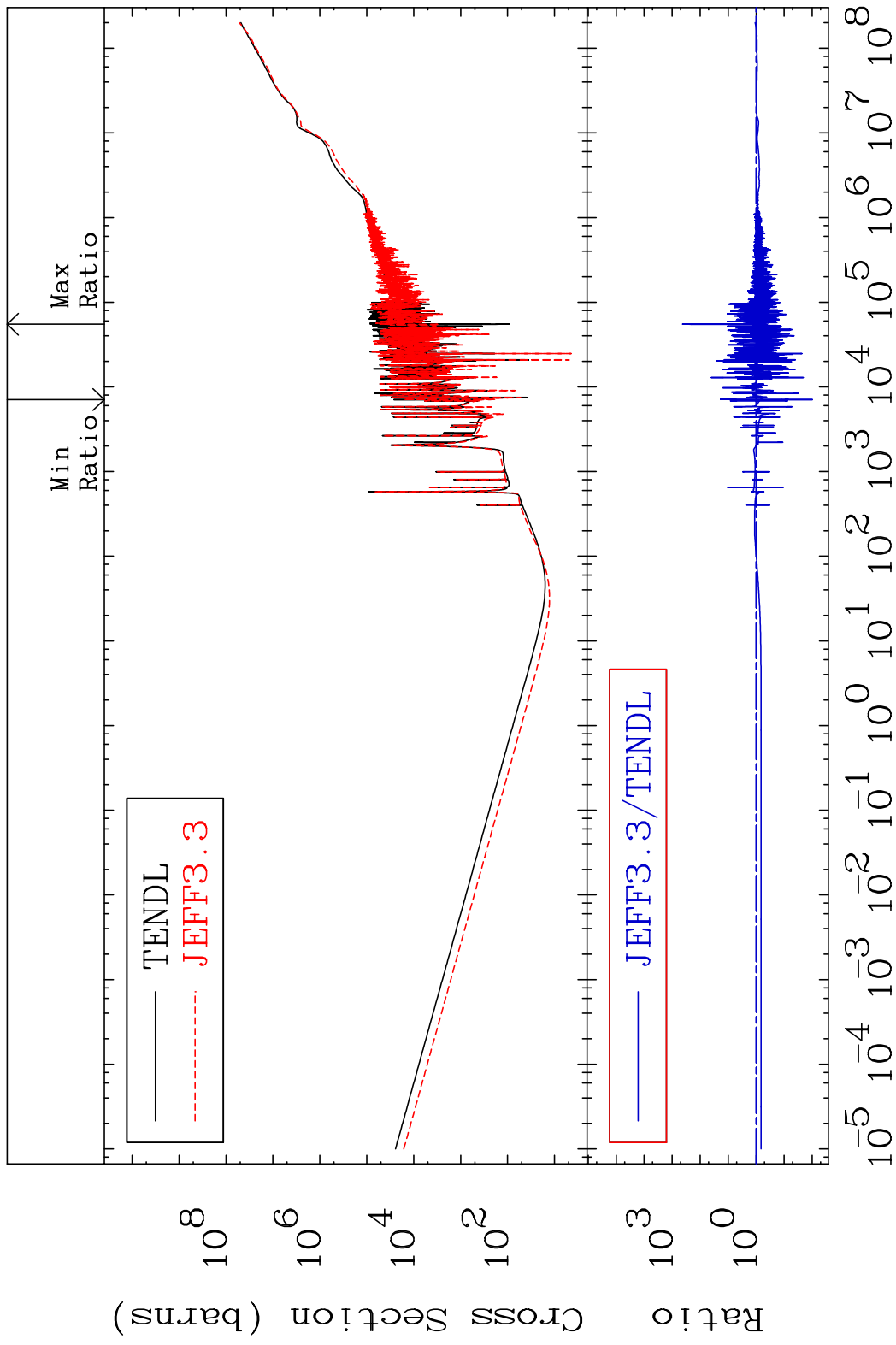


45 Incident Energy (eV) 29-Cu-63

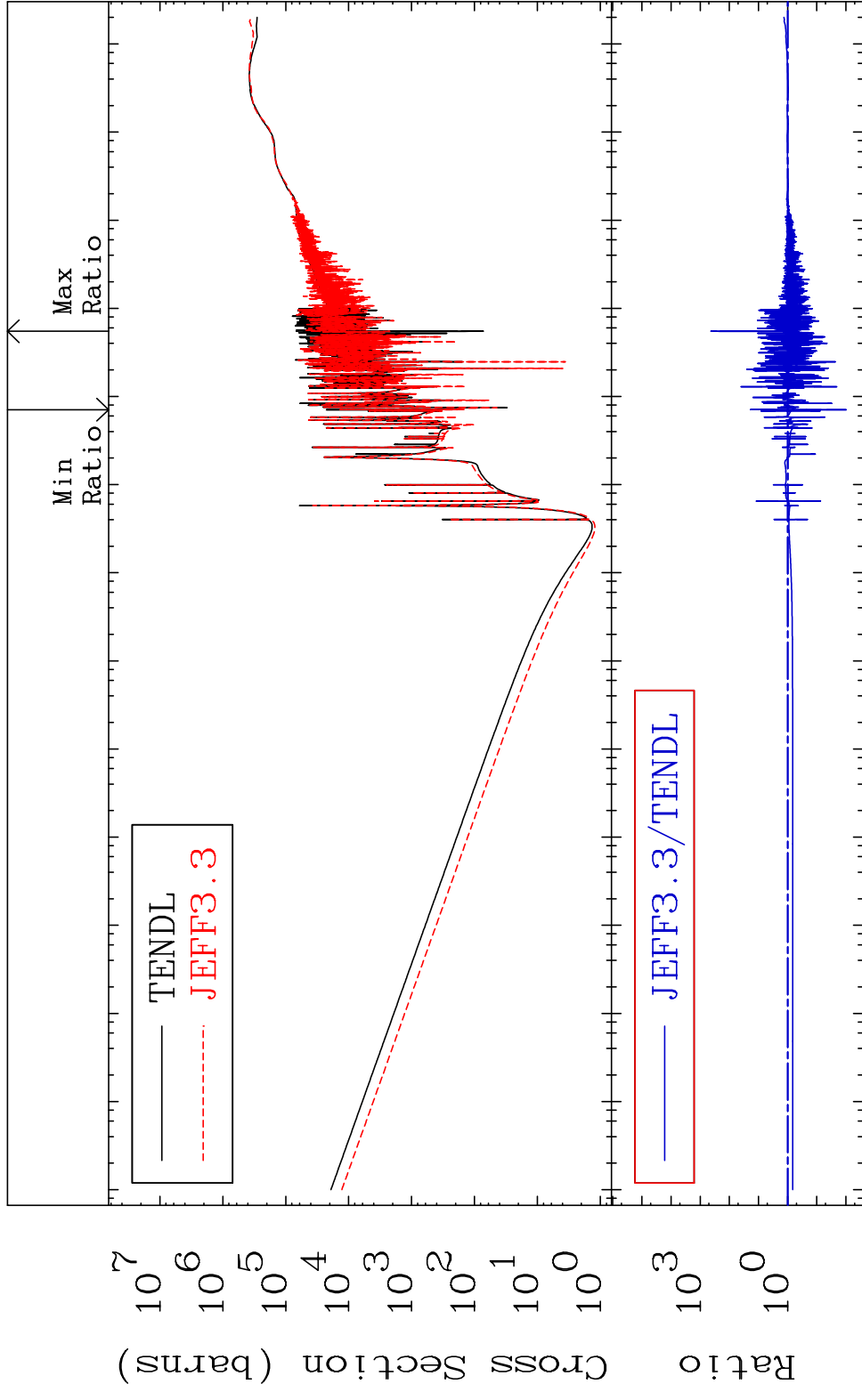
MAT 2925 Total photon (eV-barns) 29-Cu-63  
 Cross Section -99.97 To 9999. %



MAT 2925 Total kinematic kerma (high limit) 29-Cu-63  
 Cross Section -99.03 To 9999. %



MAT 2925 Dpa total (eV-barns) 29-Cu-63  
 Cross Section -99.03 To 9999. %

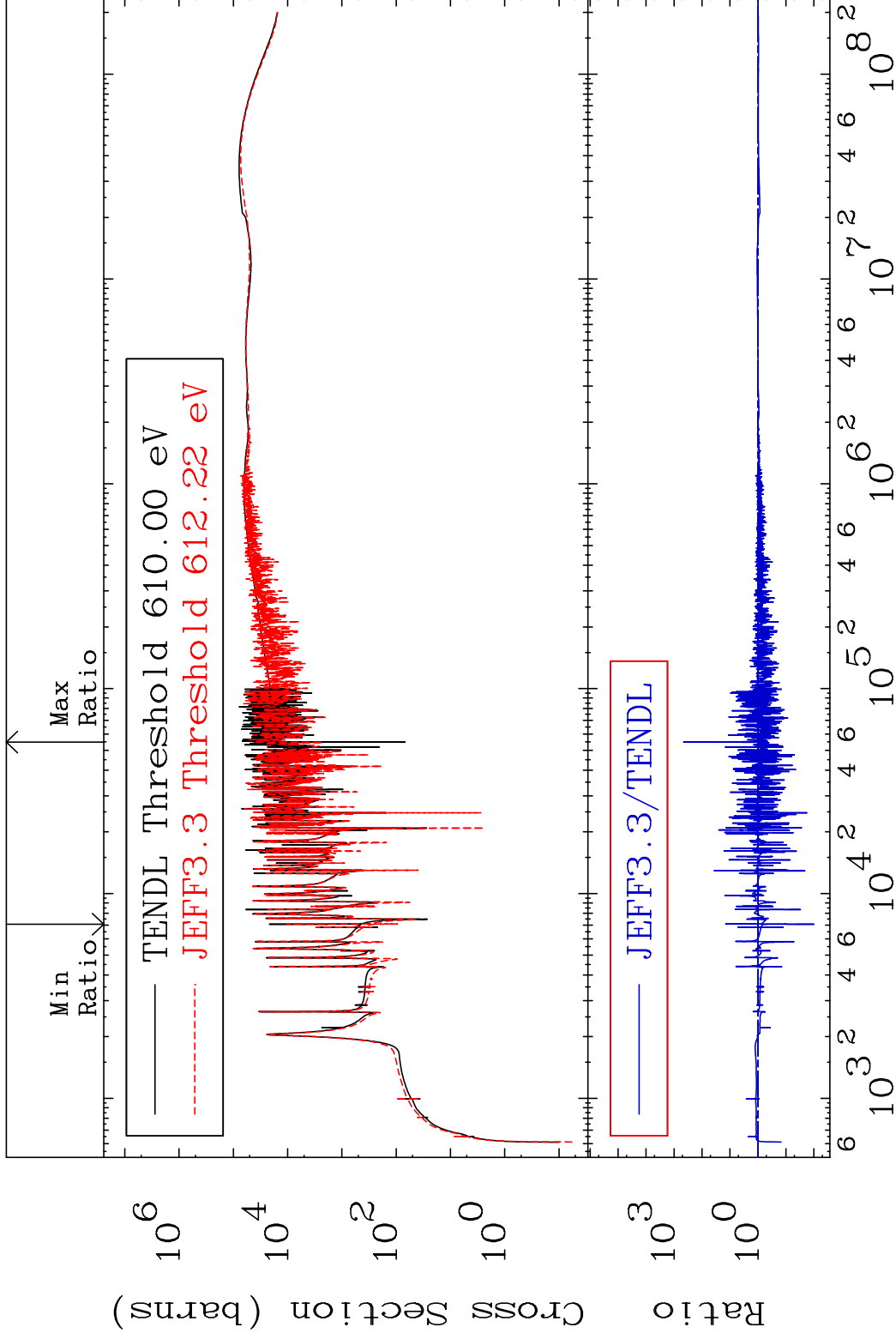


MAT 2925

Dpa elastic (mt2)

29-Cu-63

Cross Section -99.01 To 9999. %

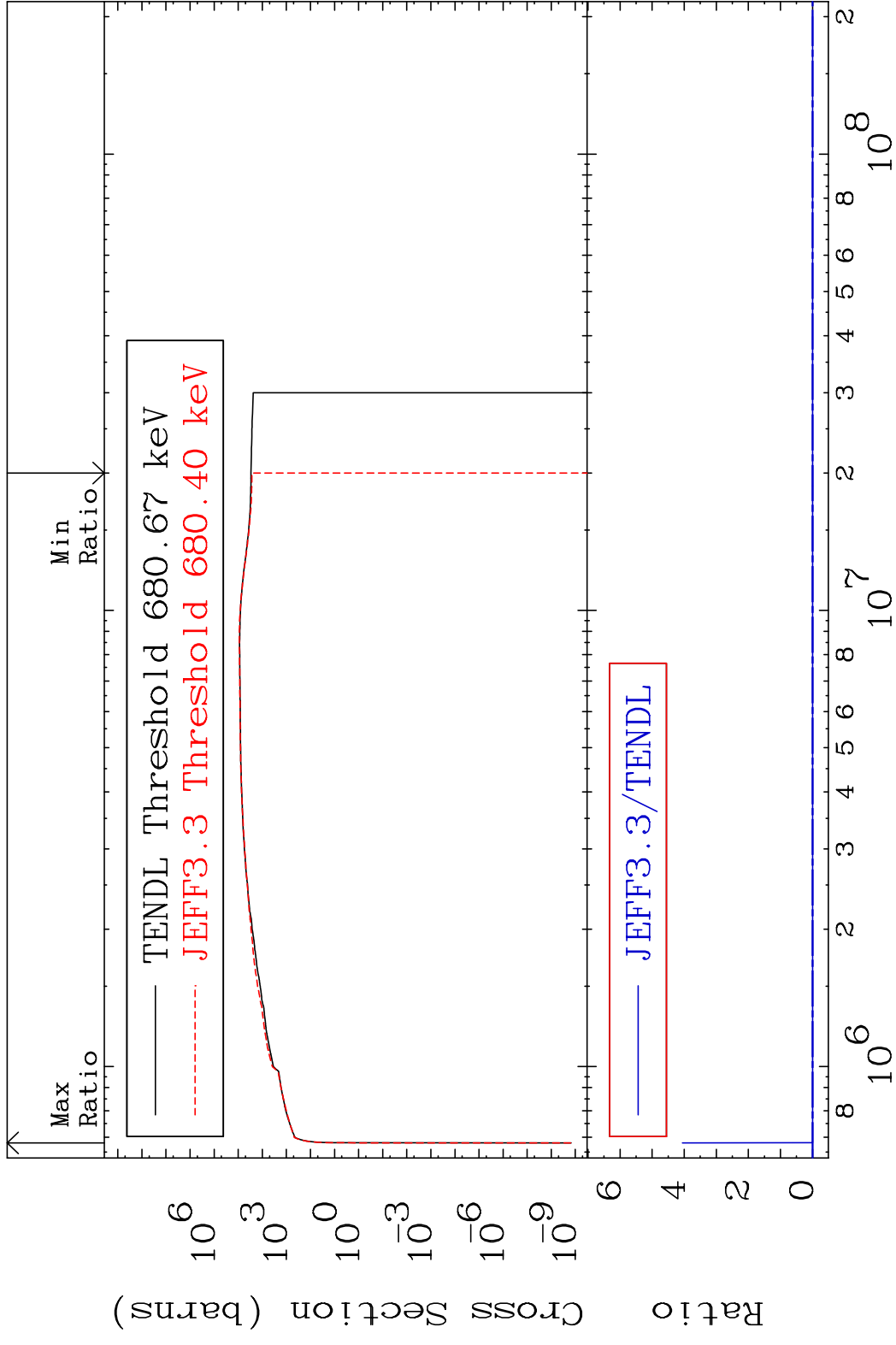


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Incident Energy (eV)

29-Cu-63

MAT 2925 Dpa inelastic (mt51-91) 29-Cu-63  
 Cross Section -100.0 To 9999. %



50 Incident Energy (eV) 29-Cu-63

MAT 2925 Dpa disappearance (mt102 -120) 29-Cu-63  
 Cross Section -100.0 To 9999. %

