

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

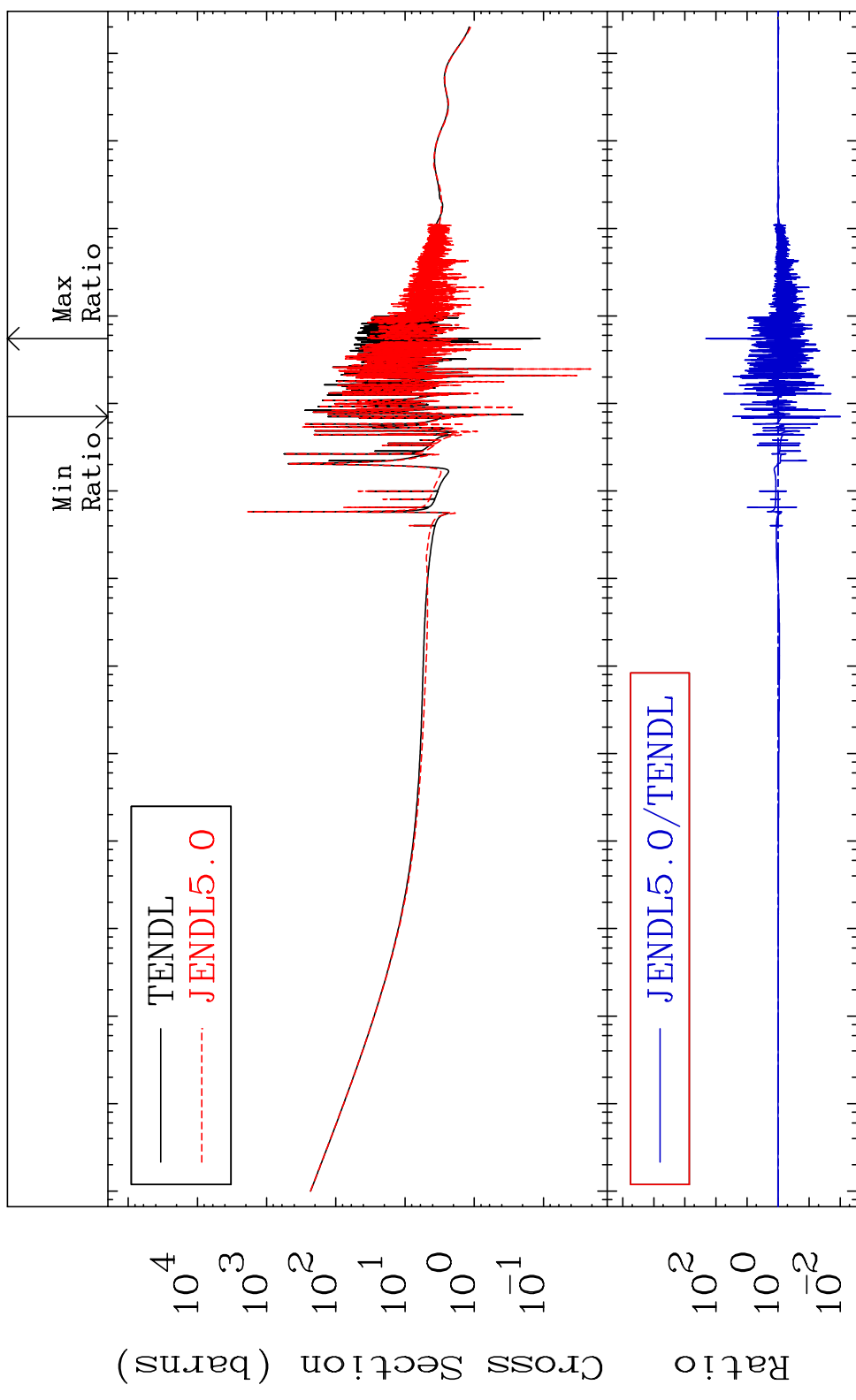
MAT 2925

Total

29-Cu-63

Cross Section

-99.02 To 9999. %



1

Incident Energy (eV)

29-Cu-63

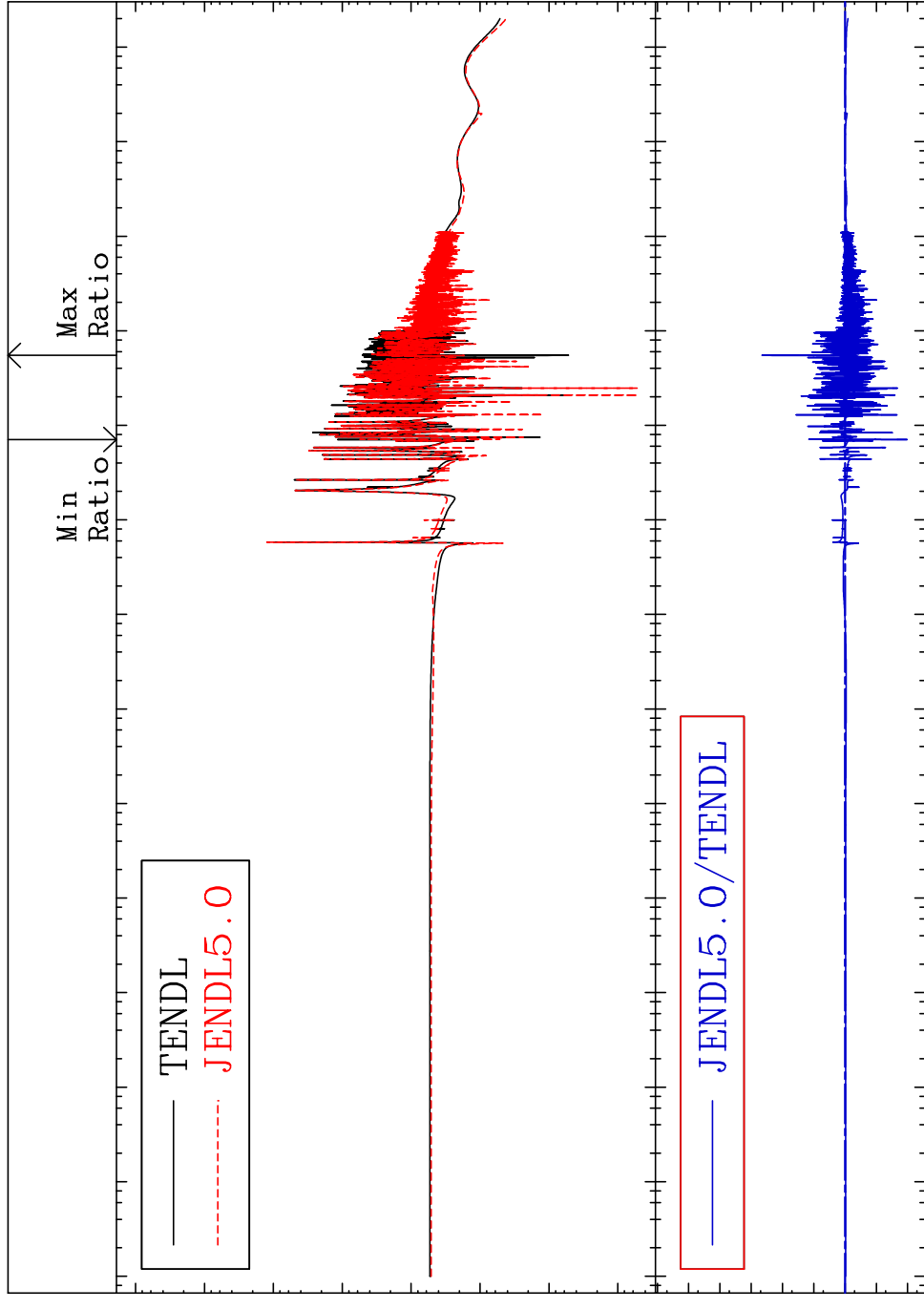
MAT 2925

Elastic

29-Cu-63

Cross Section

-98.97 To 9999. %



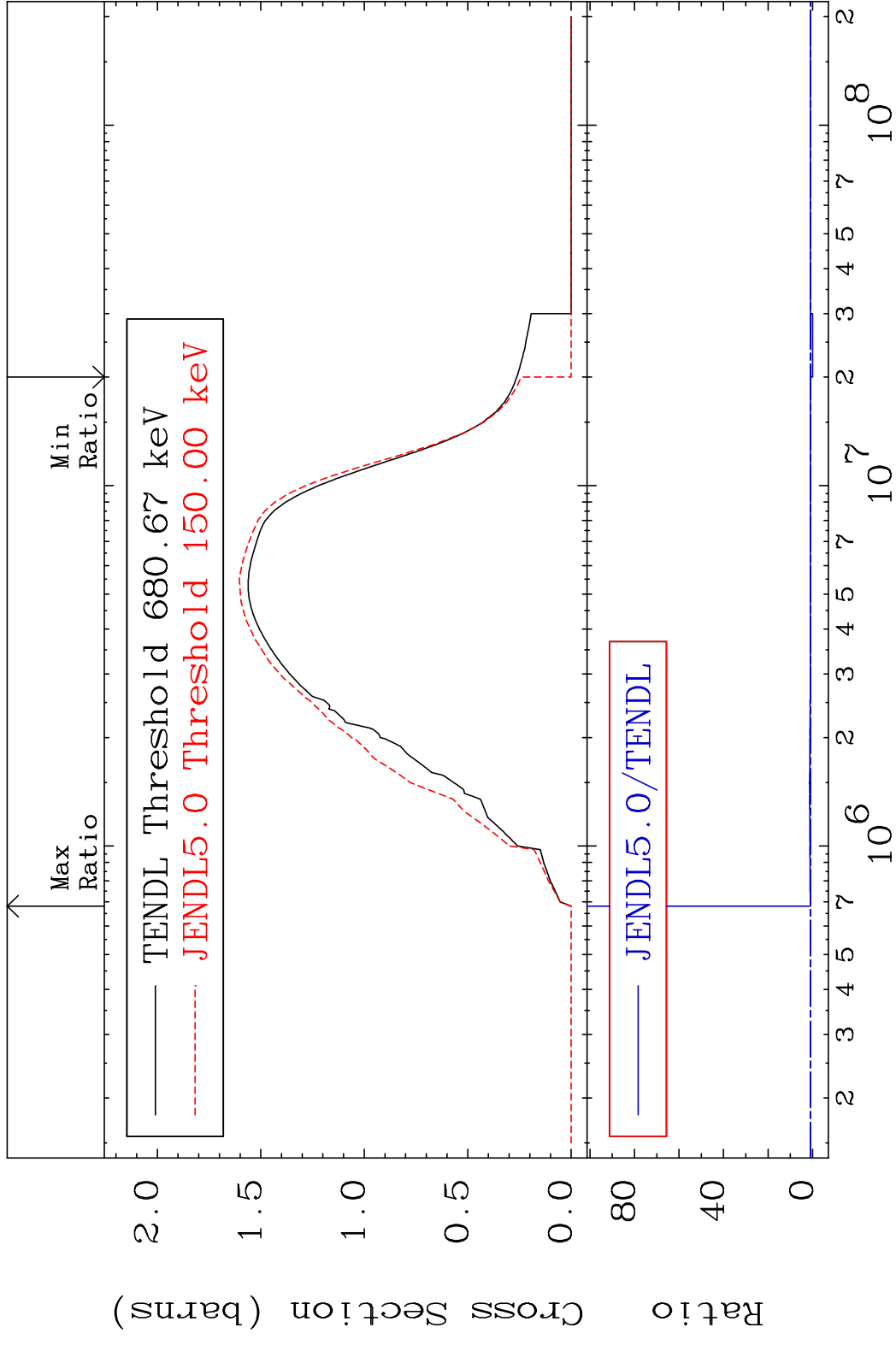
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

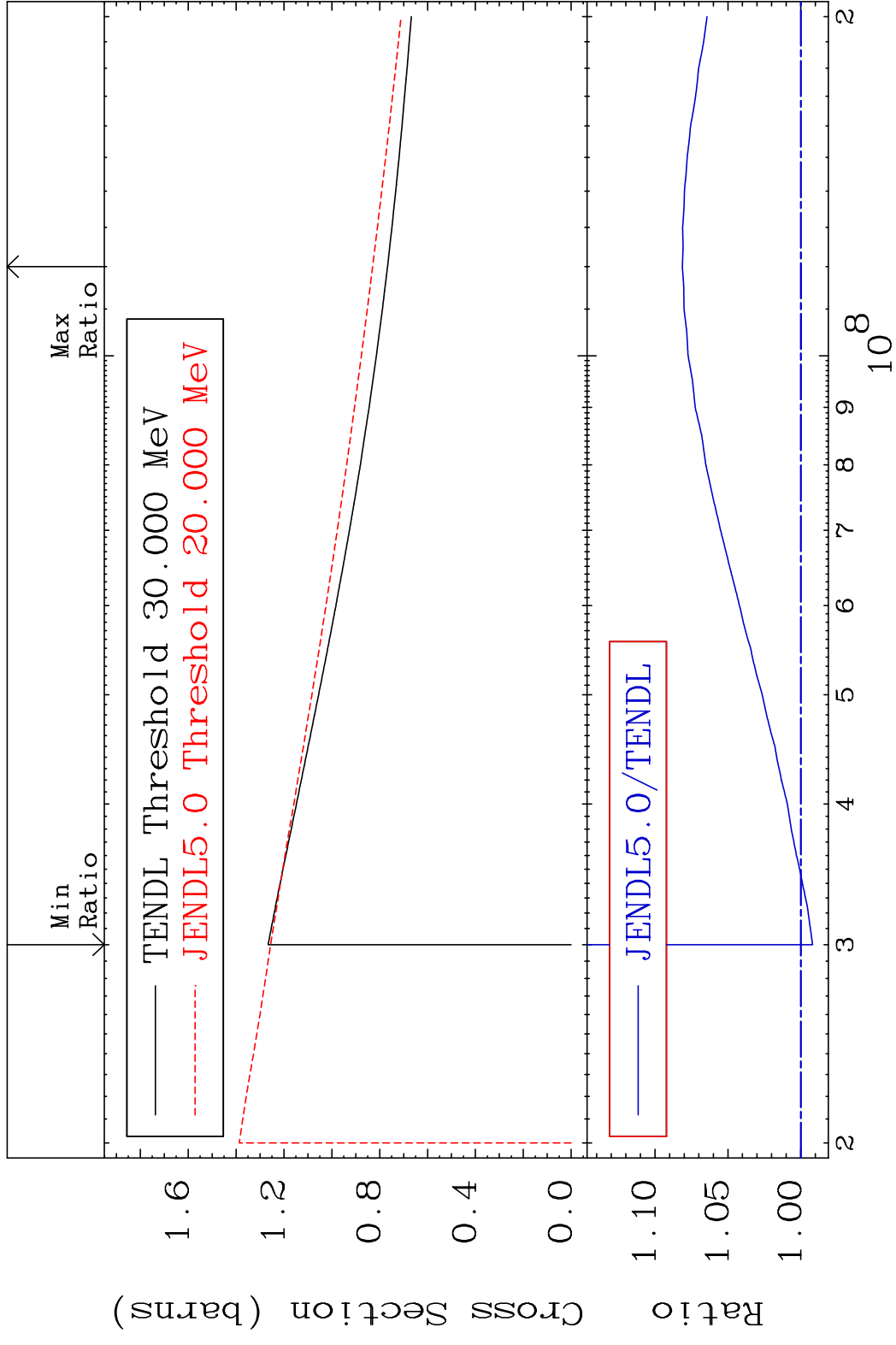
Incident Energy (eV)

29-Cu-63

MAT 2925 Inelastic Cross Section -100.0 To 5750. % 29-Cu-63

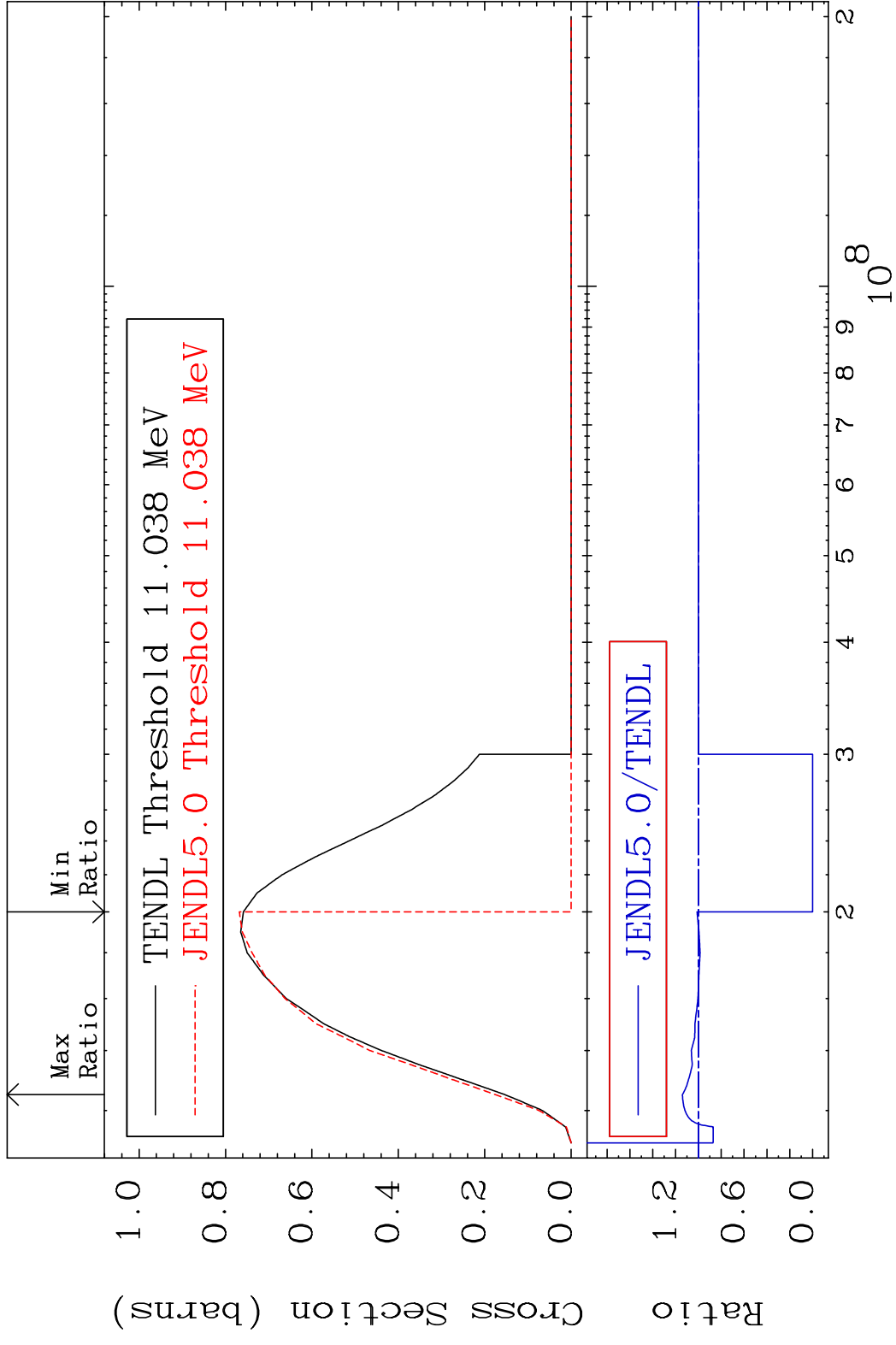


MAT 2925 (n, remainder) 29-Cu-63
 Cross Section -0.806 To 8.123 %

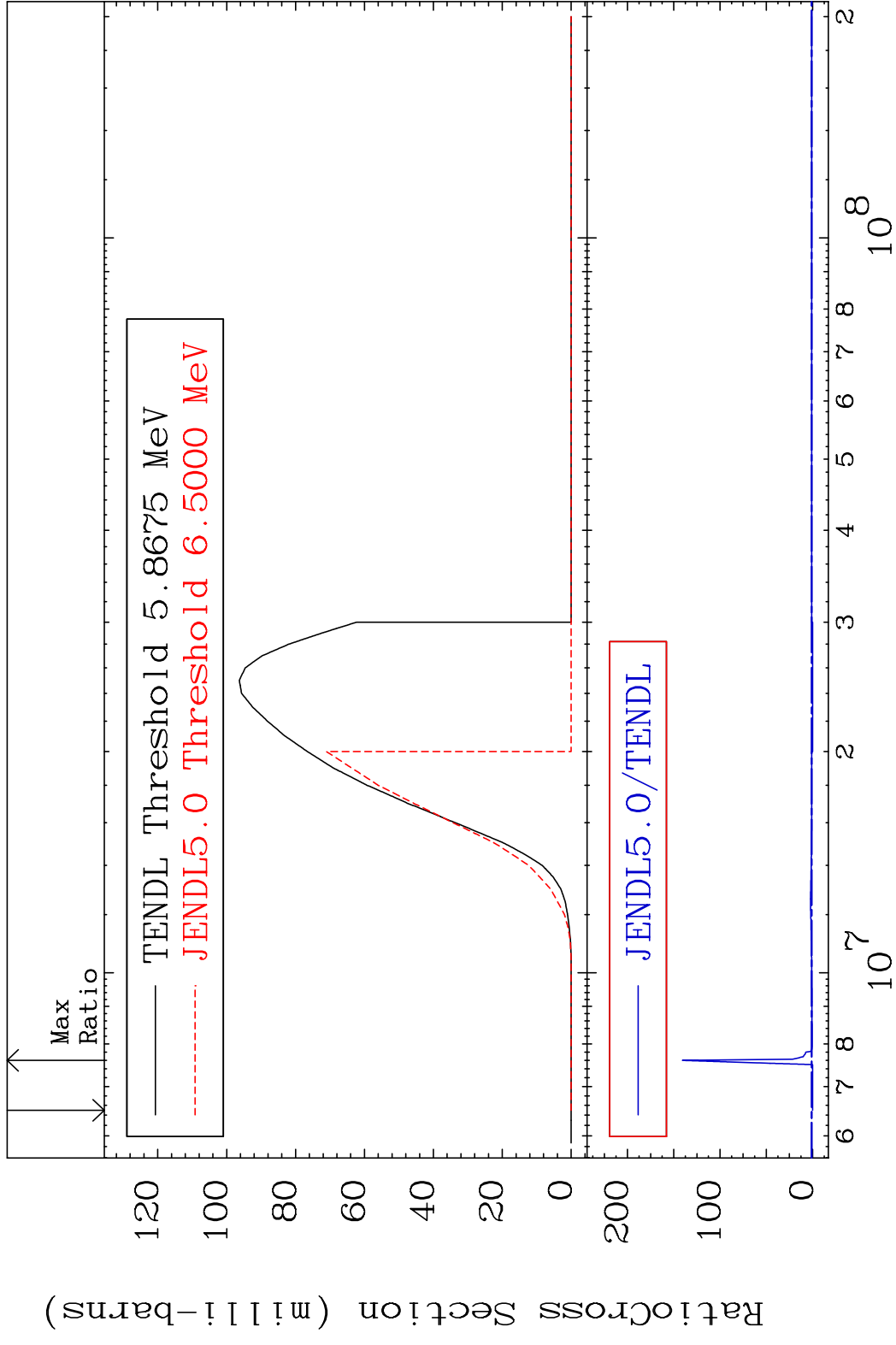


4 Incident Energy (eV) 29-Cu-63

MAT 2925 (n,2n) 29-Cu-63
 Cross Section -100.0 To 14.06 %

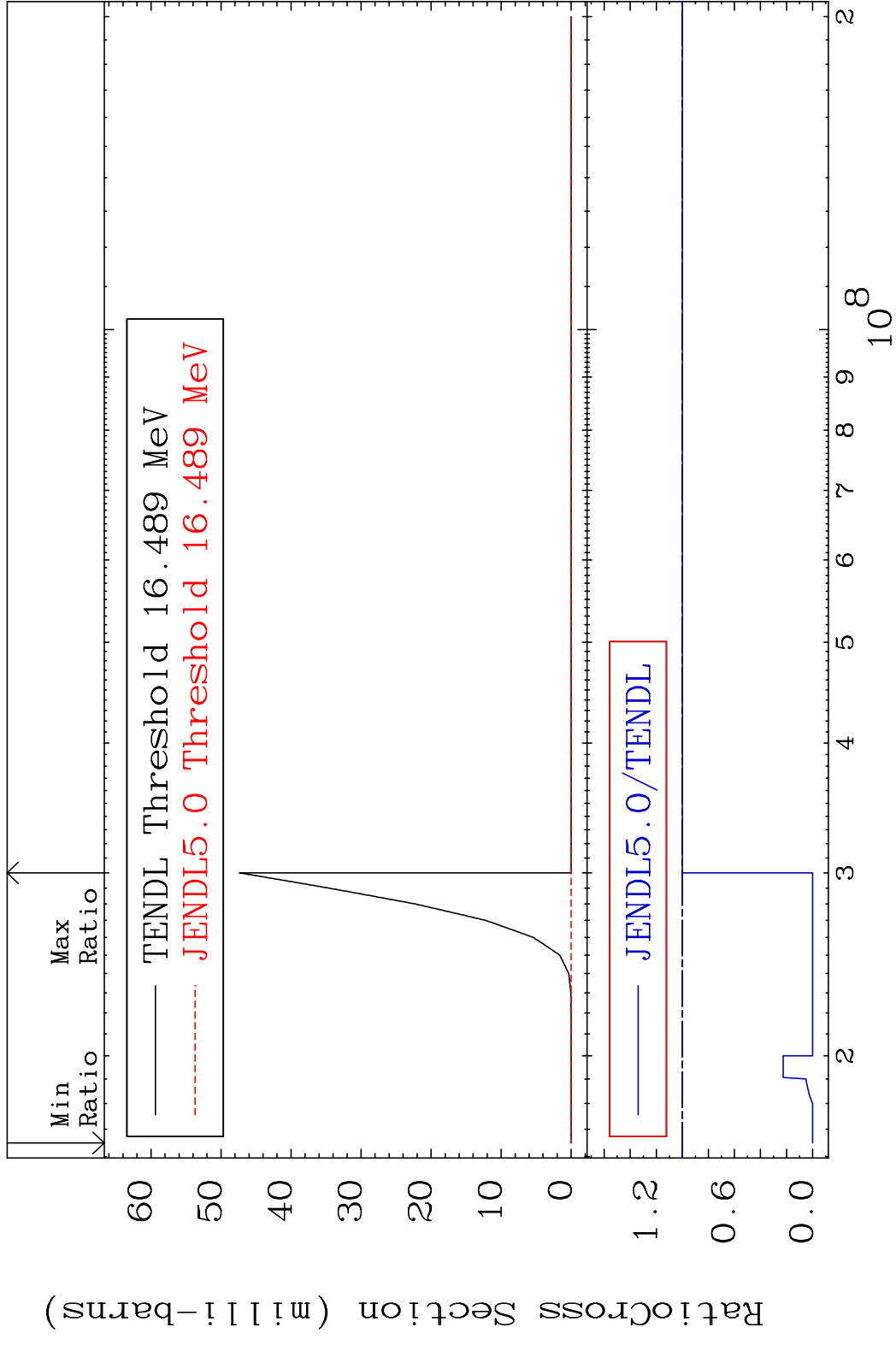


MAT 2925 (n, n') α 29-Cu-63
 Cross Section -100.0 To 9999. %

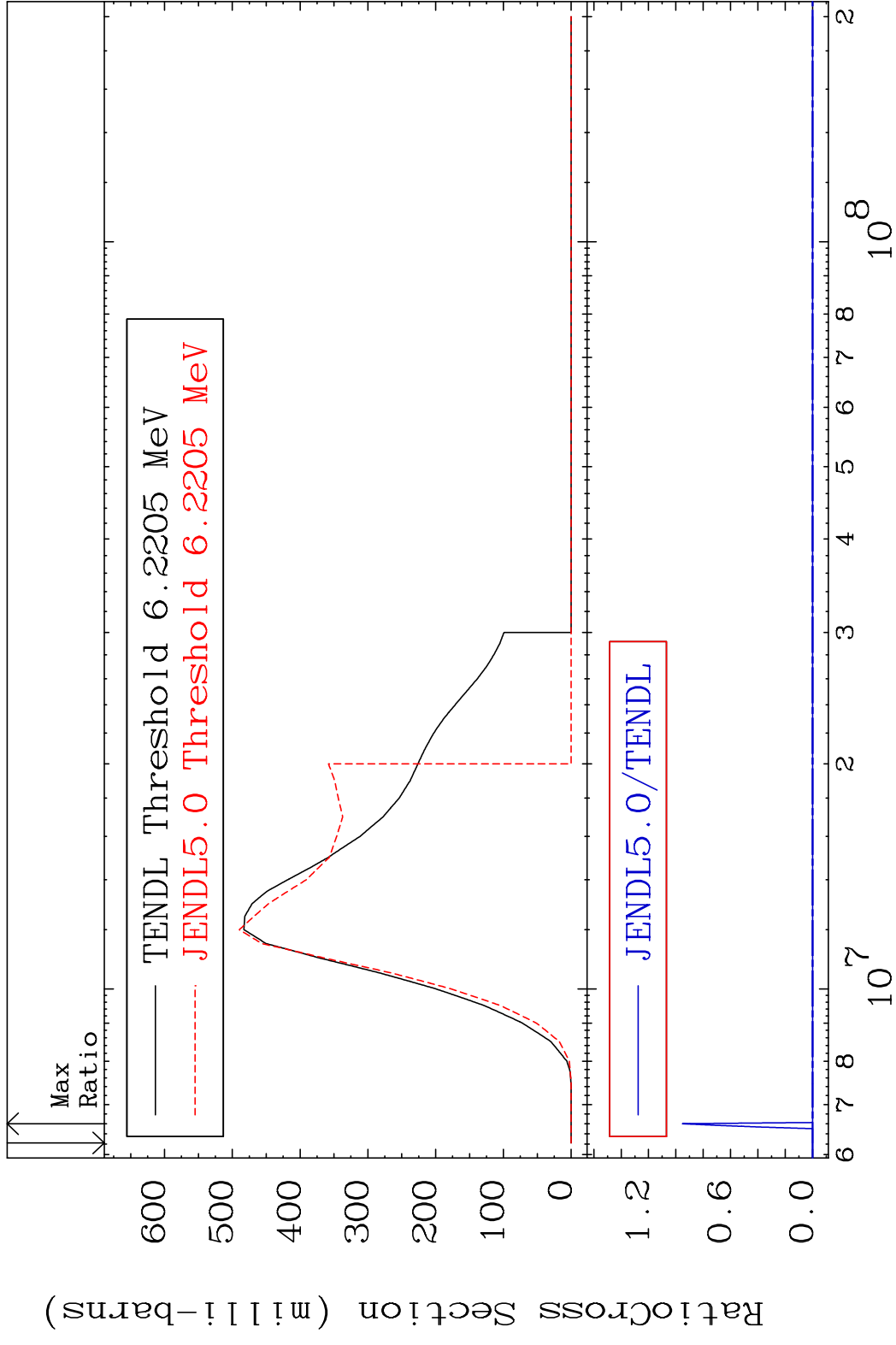


6 6 Incident Energy (eV) 29-Cu-63

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

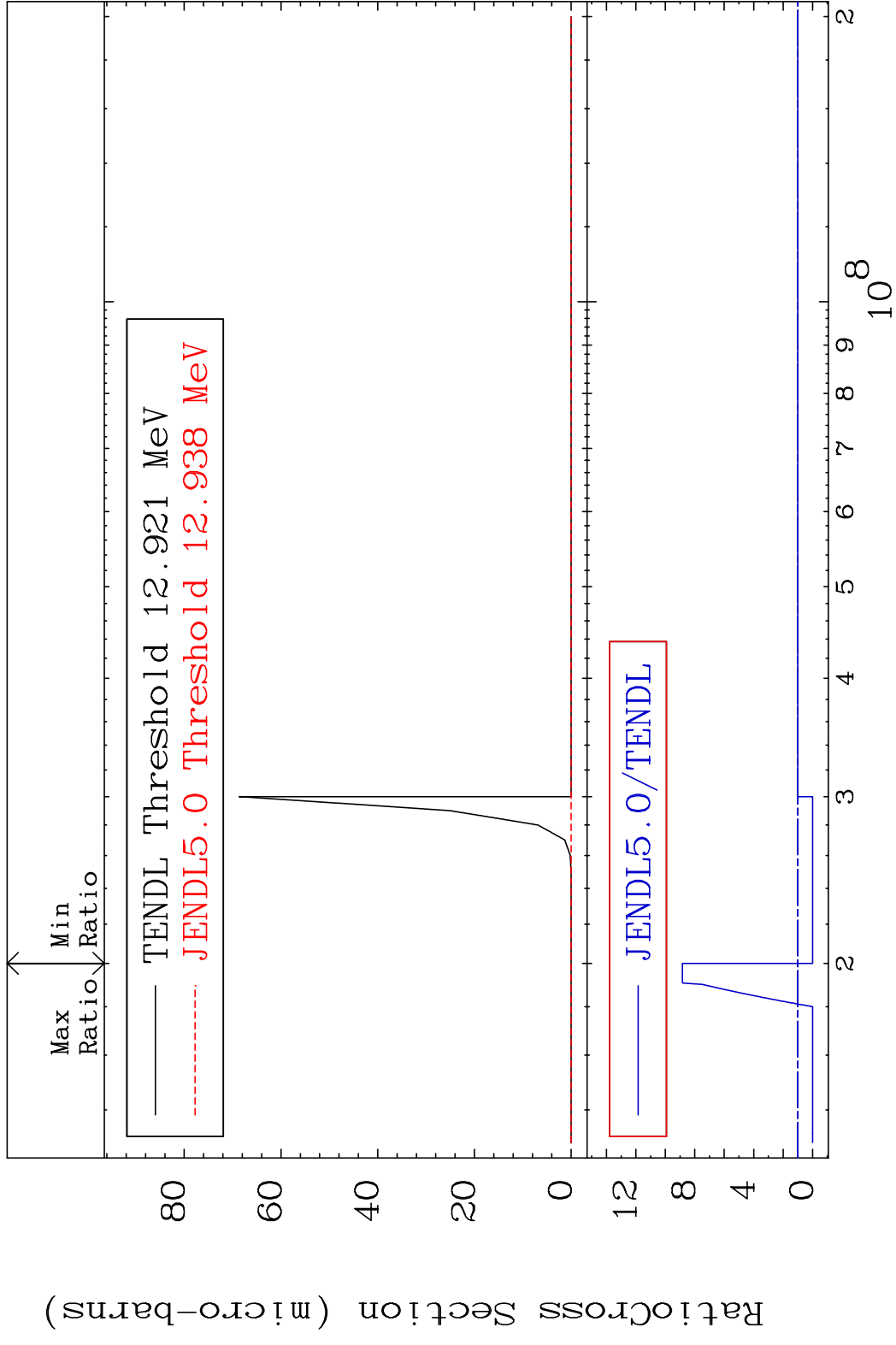


MAT 2925 (n, n') p 29-Cu-63
 Cross Section -100.0 To 9999. %

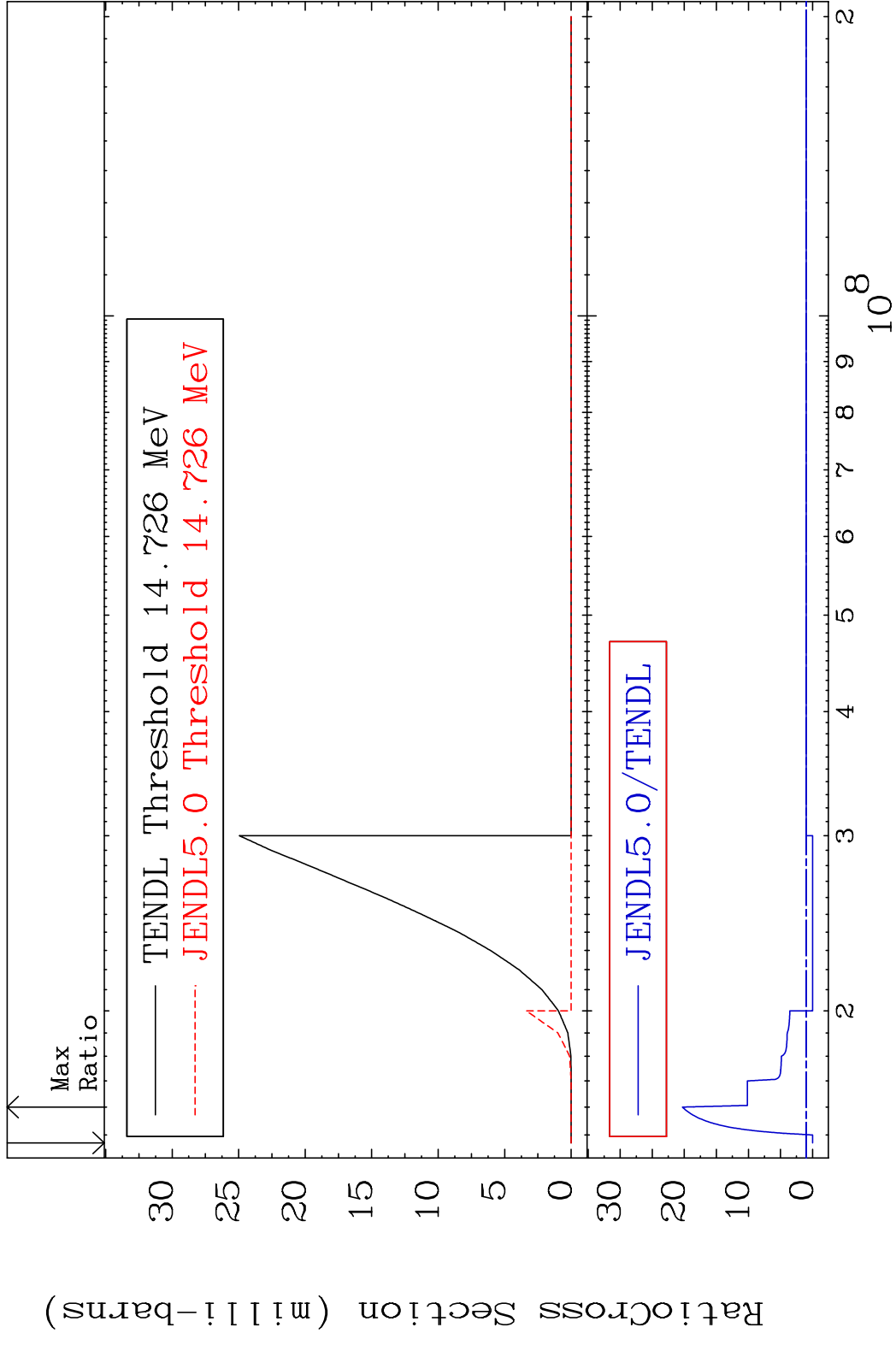


8 8 Incident Energy (eV) 29-Cu-63

MAT 2925 (n, n') 2α 29-Cu-63
 Cross Section -100.0 To 784.4 %

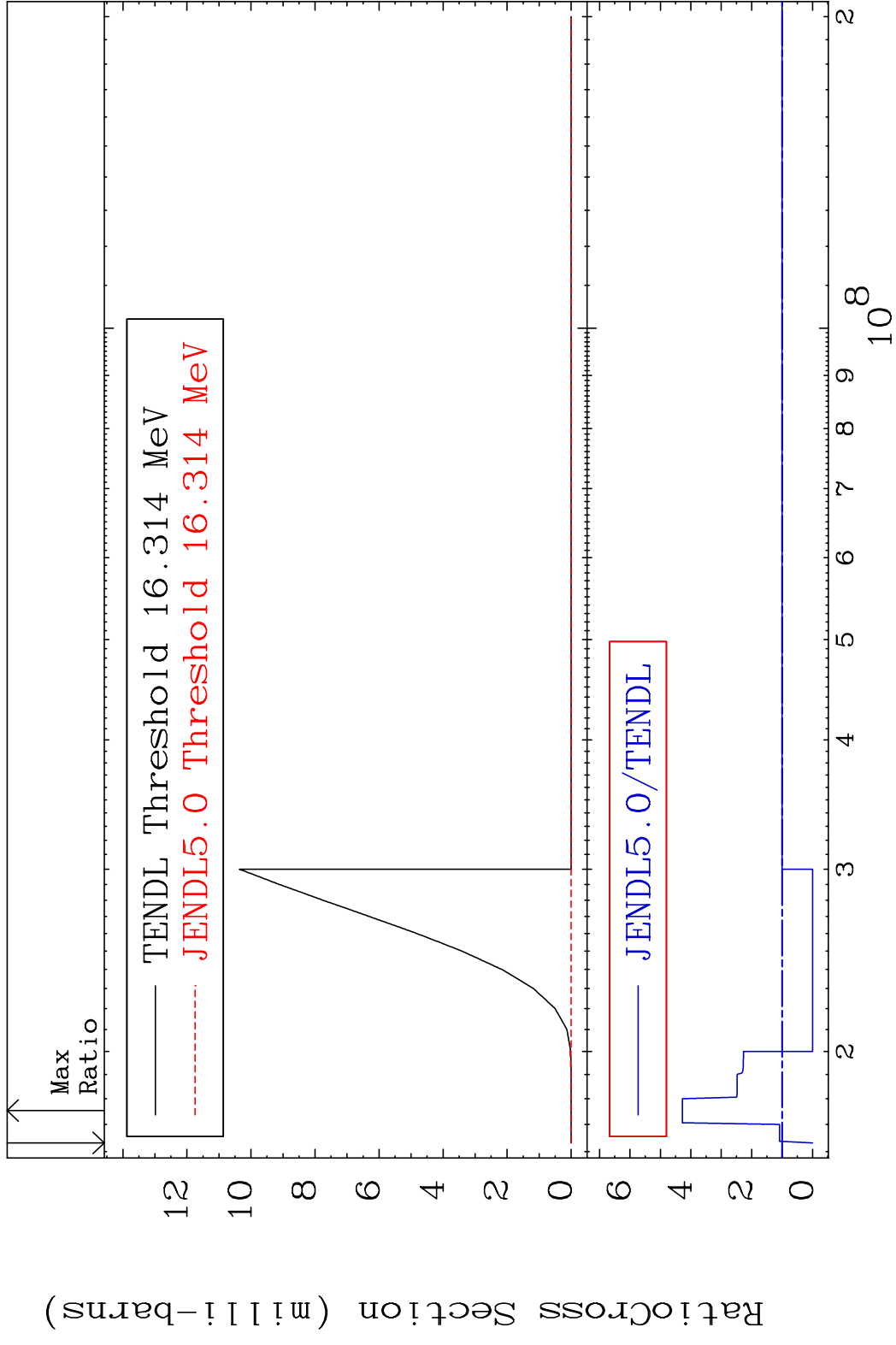


MAT 2925 (n, n') d 29-Cu-63
 Cross Section -100.0 To 1930. %

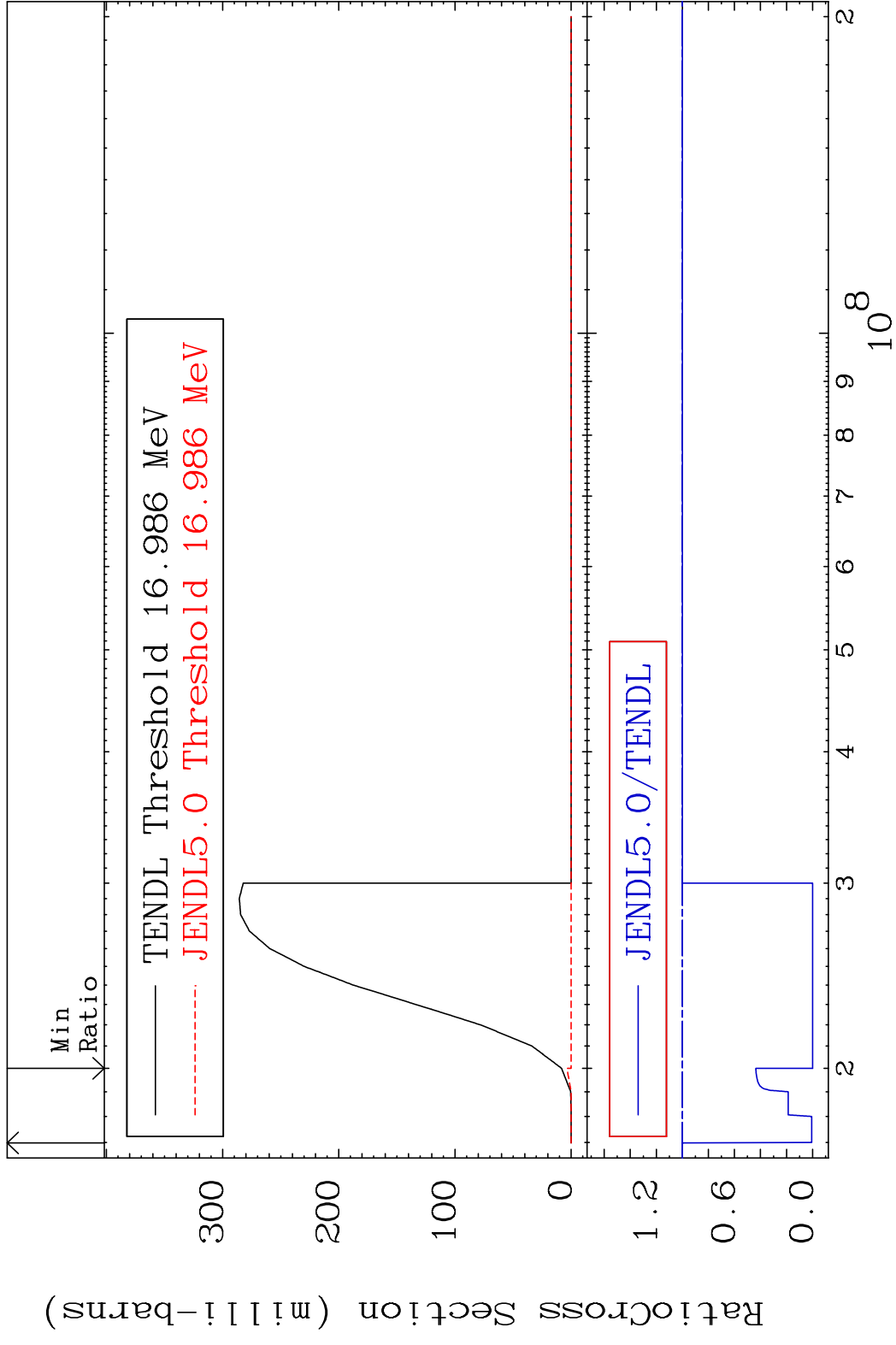


10 Incident Energy (eV) 29-Cu-63

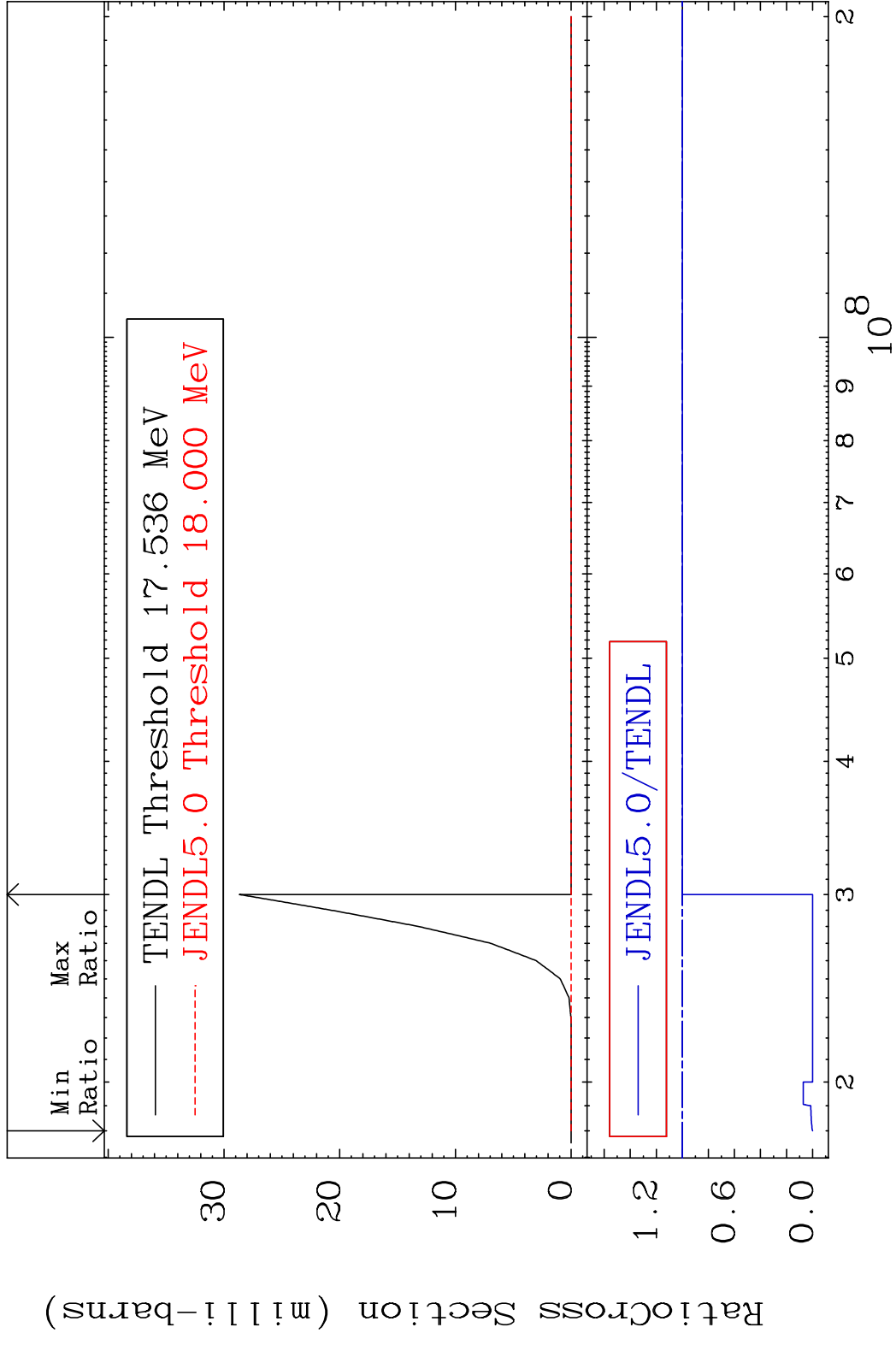
MAT 2925 (n, n') t 29-Cu-63
 Cross Section -100.0 To 327.9 %



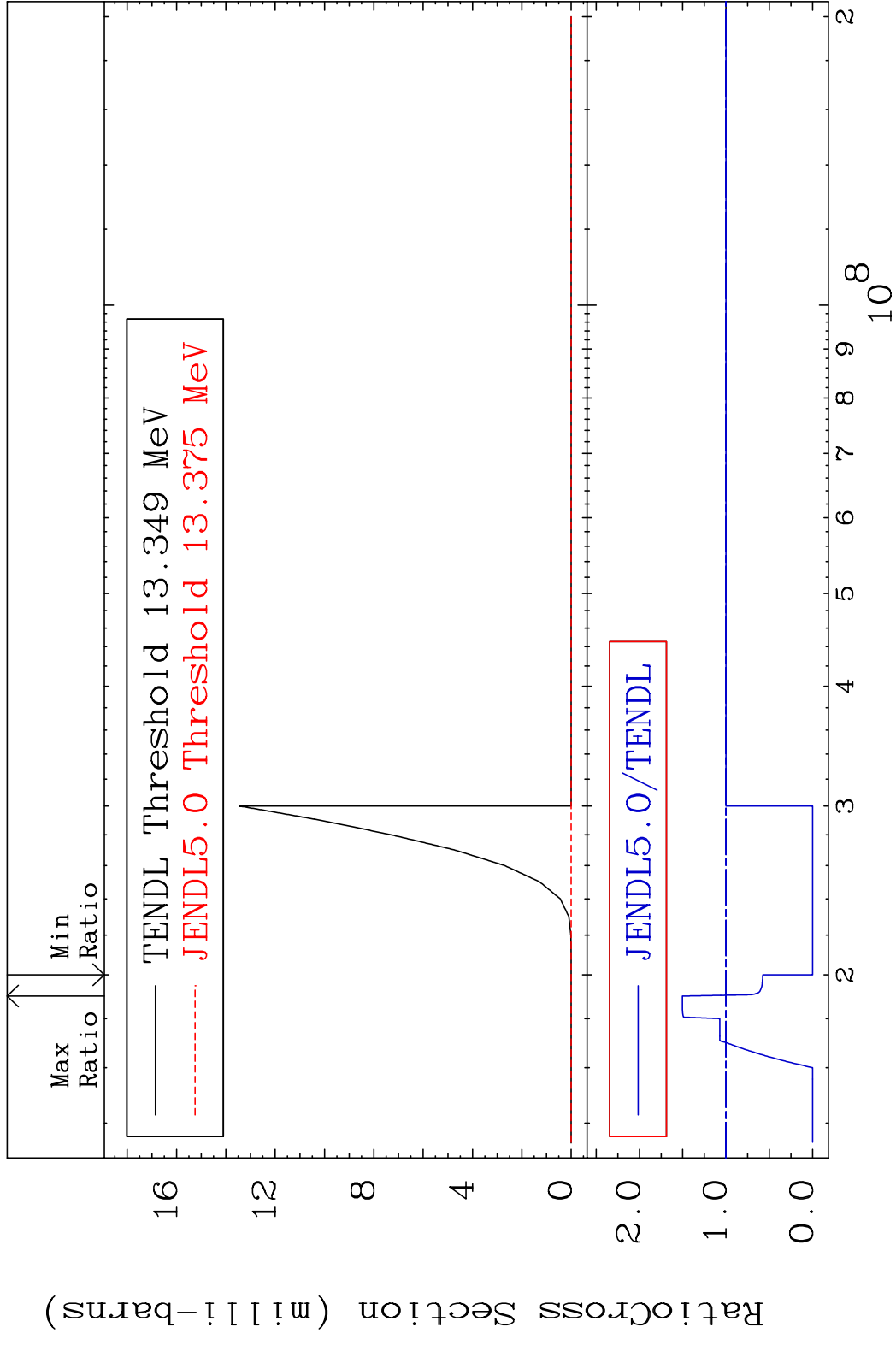
MAT 2925 (n,2n) p 29-Cu-63
 Cross Section -100.0 To 0.000 %



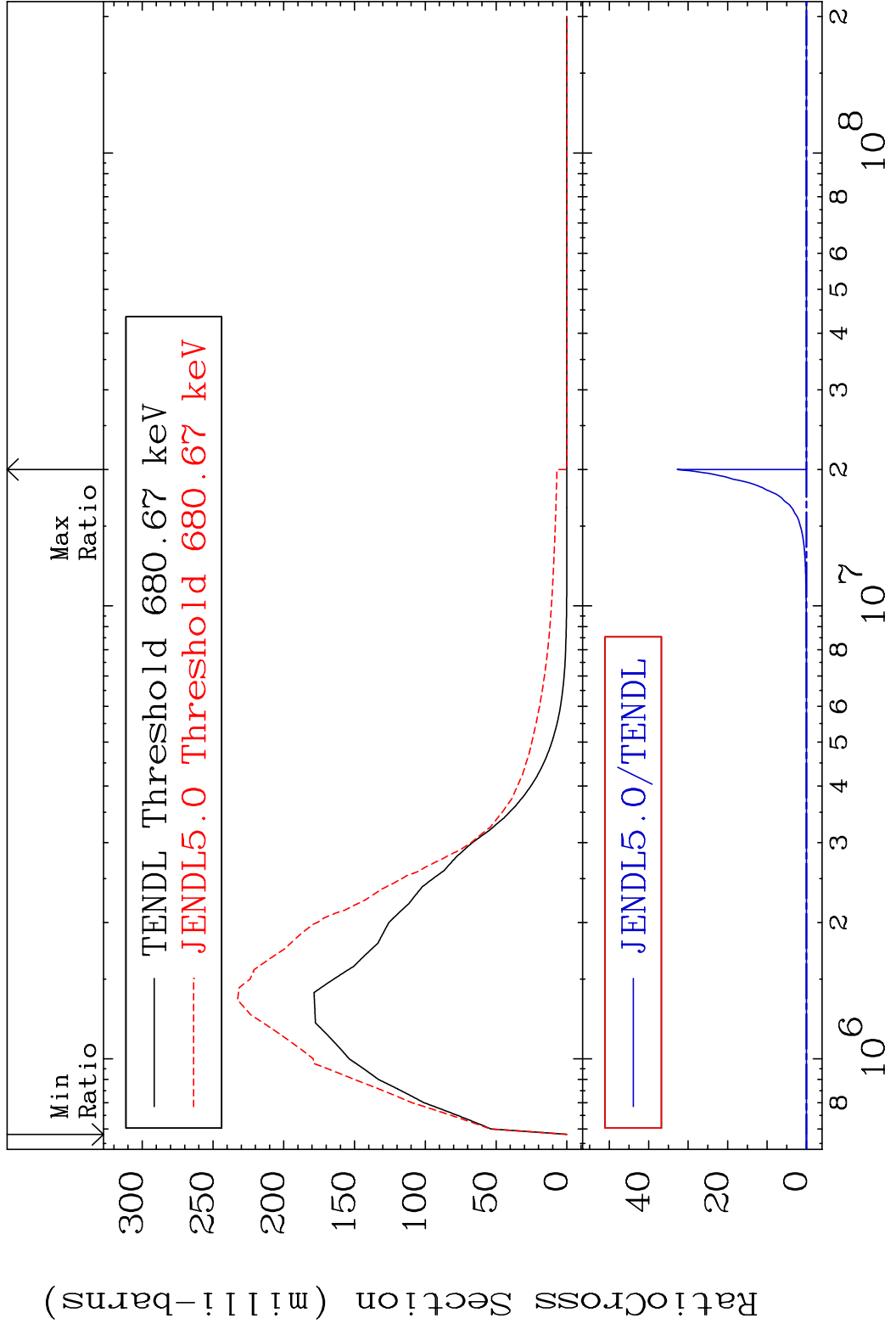
MAT 2925 (n,2n) p 29-Cu-63
 Cross Section -100.0 To 0.000 %



MAT 2925 (n,n') p α 29-Cu-63
 Cross Section -100.0 To 50.42 %

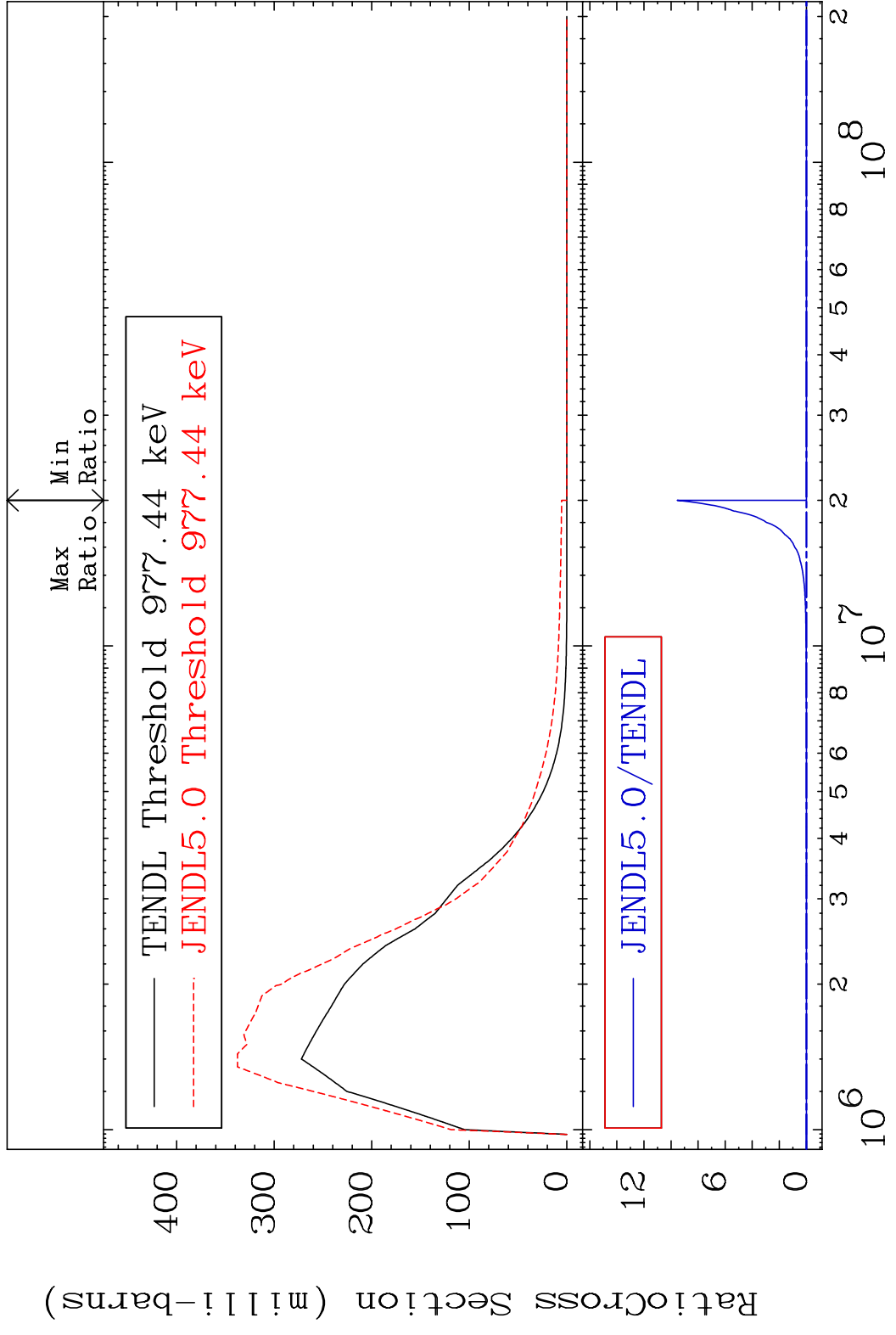


MAT 2925 MT= 51 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



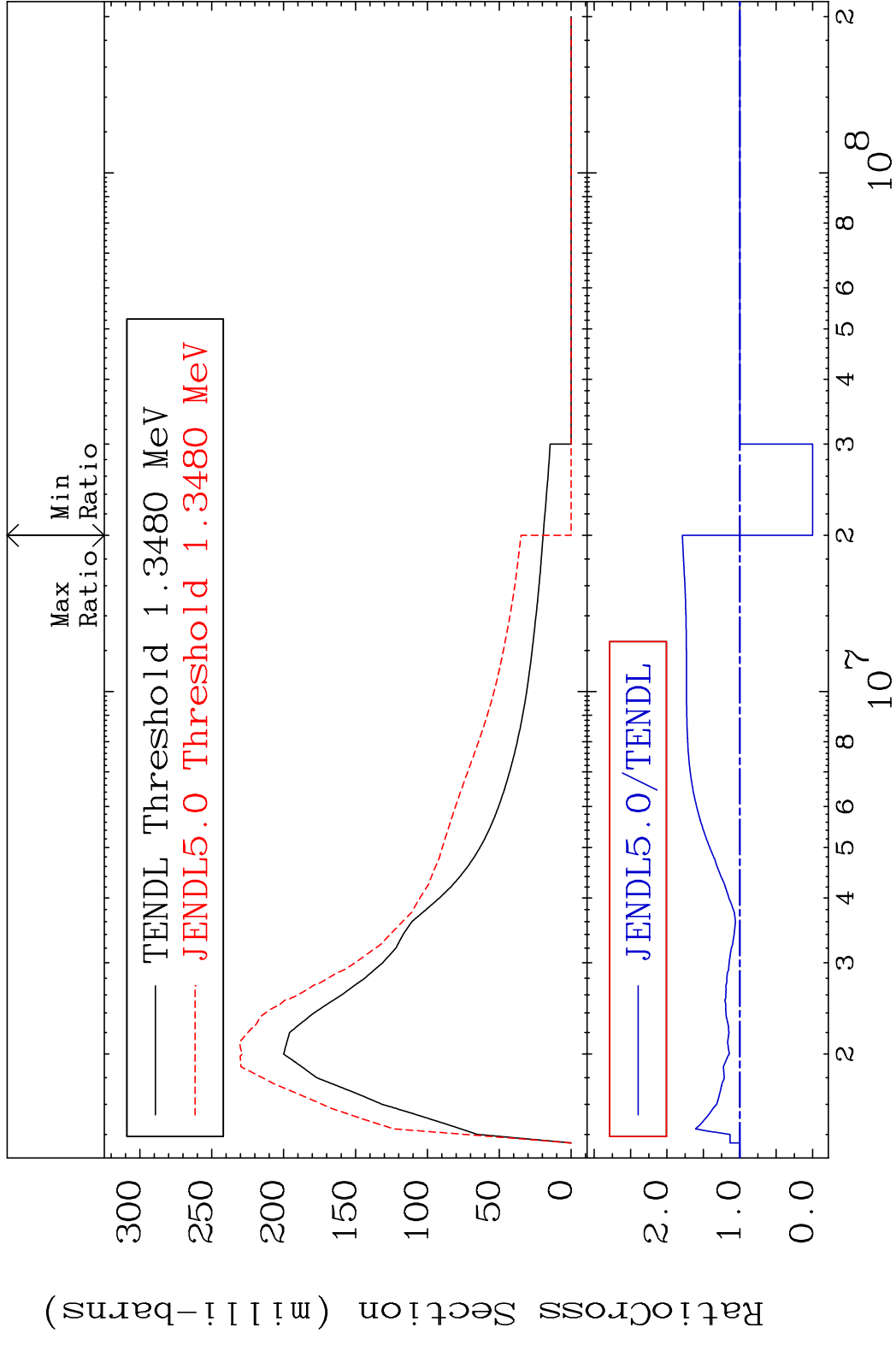
15 29-Cu-63

MAT 2925 MT= 52 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

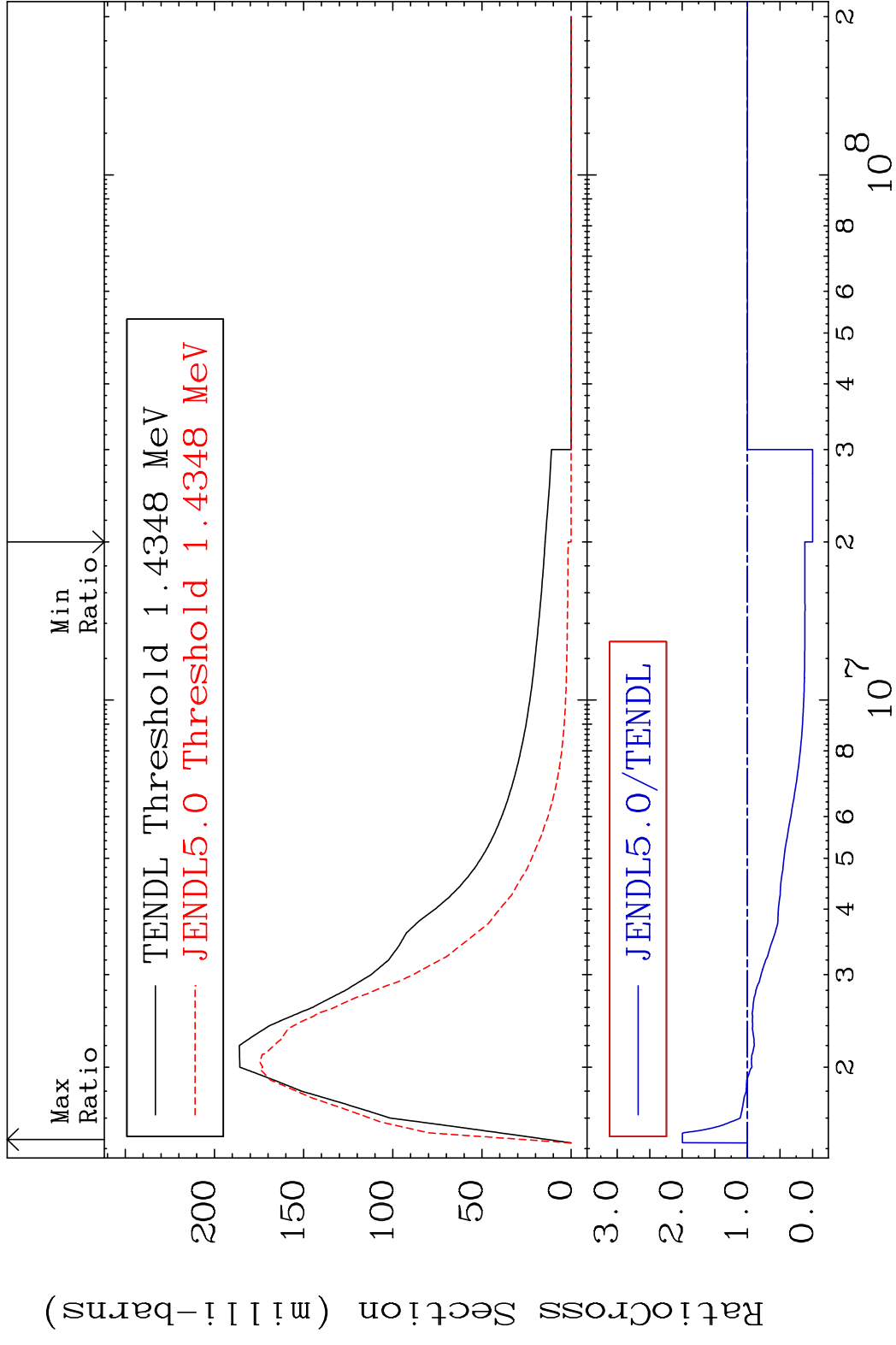


16 29-Cu-63

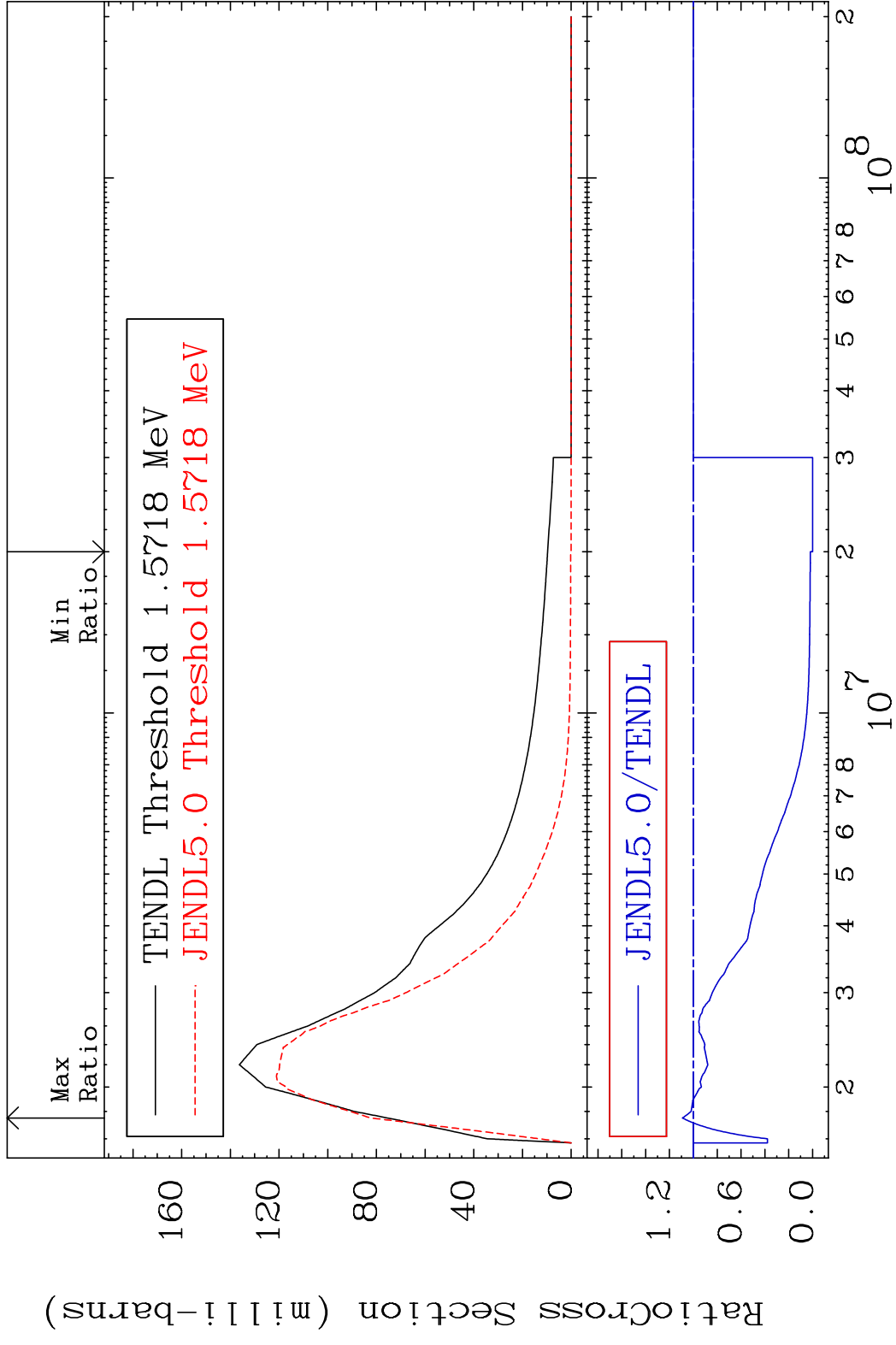
MAT 2925 MT= 53 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 78.86 %



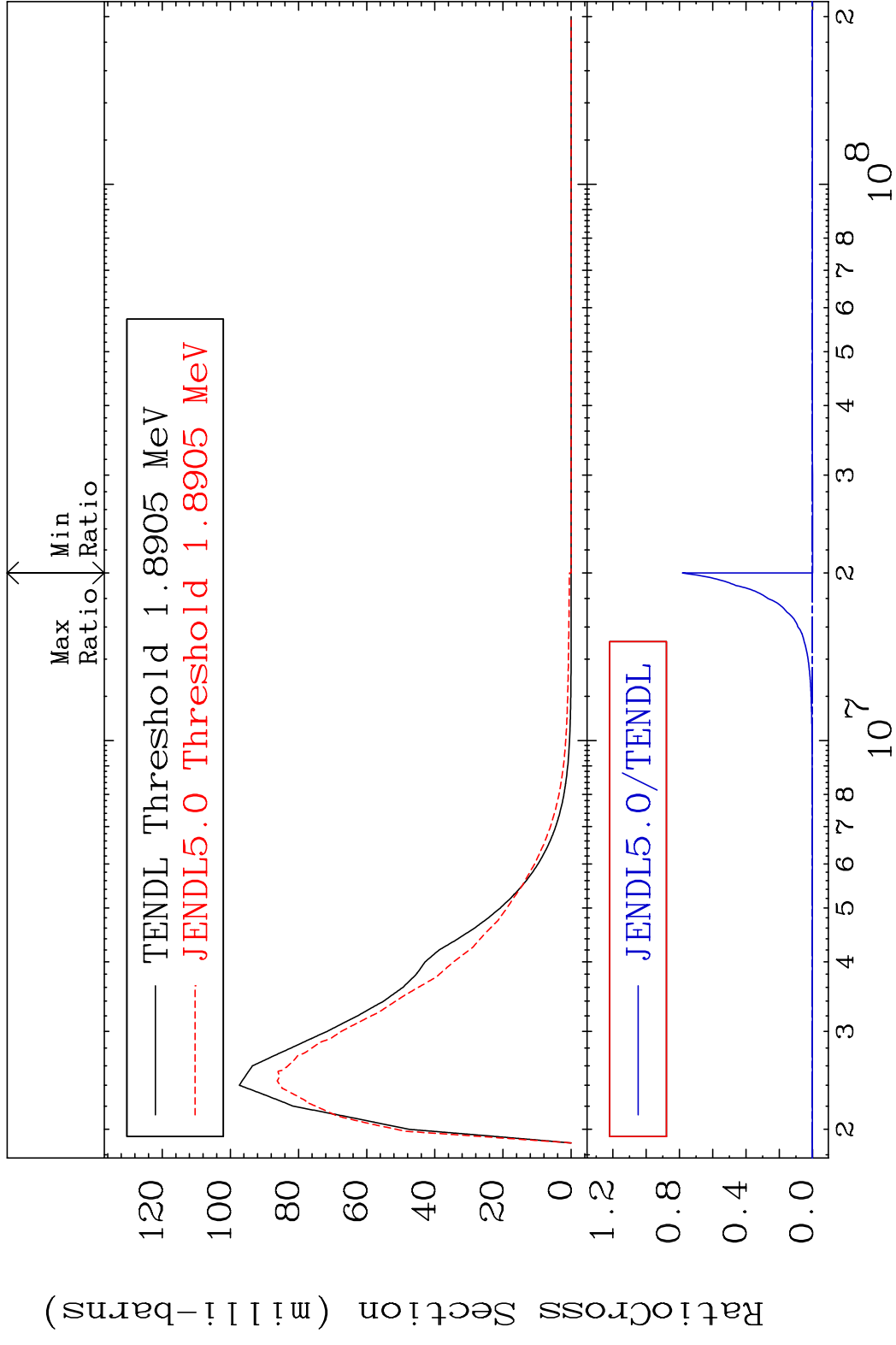
MAT 2925 MT= 54 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 99.88 %



MAT 2925 MT= 55 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9.198 %

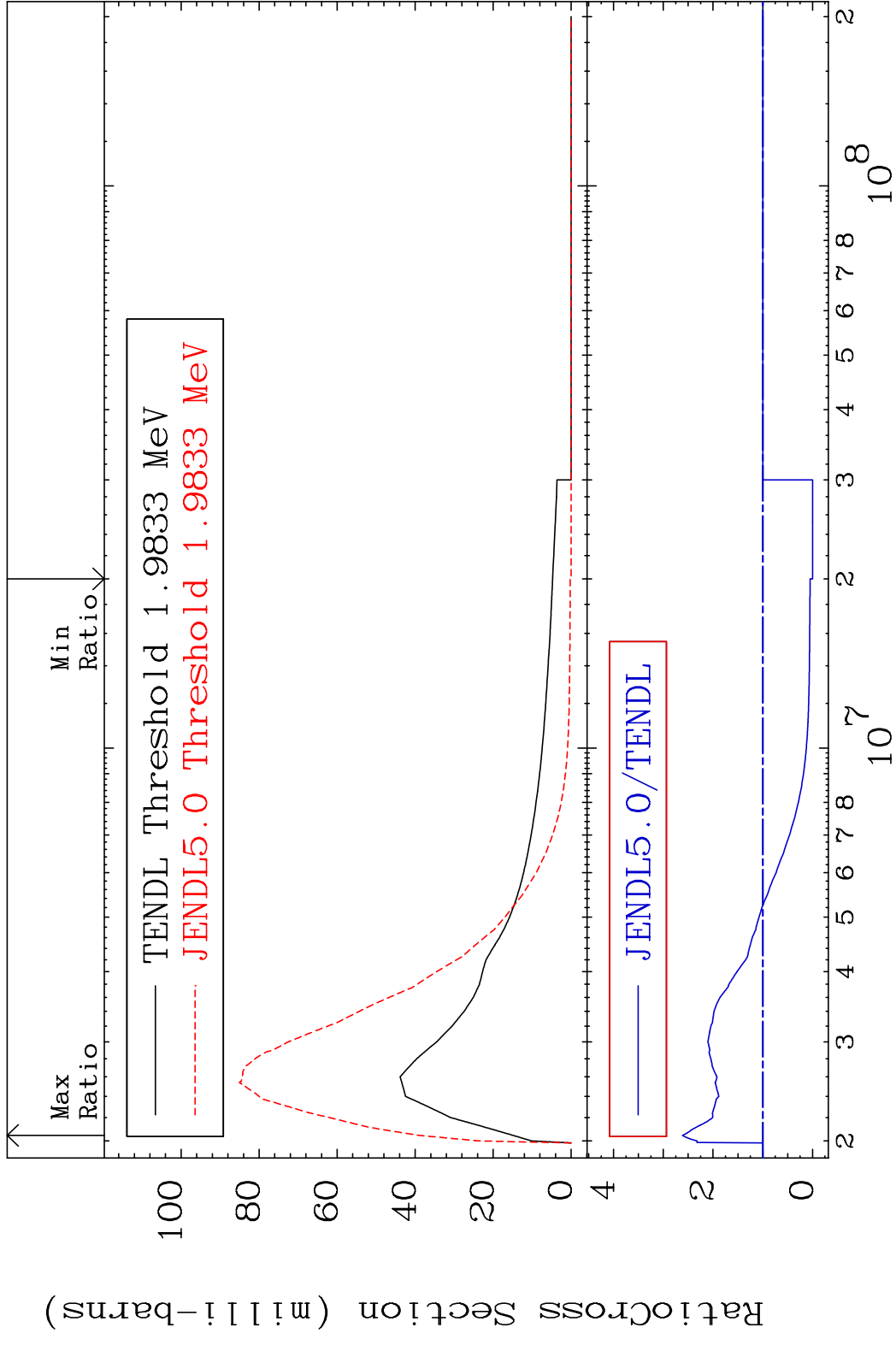


MAT 2925 MT= 56 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

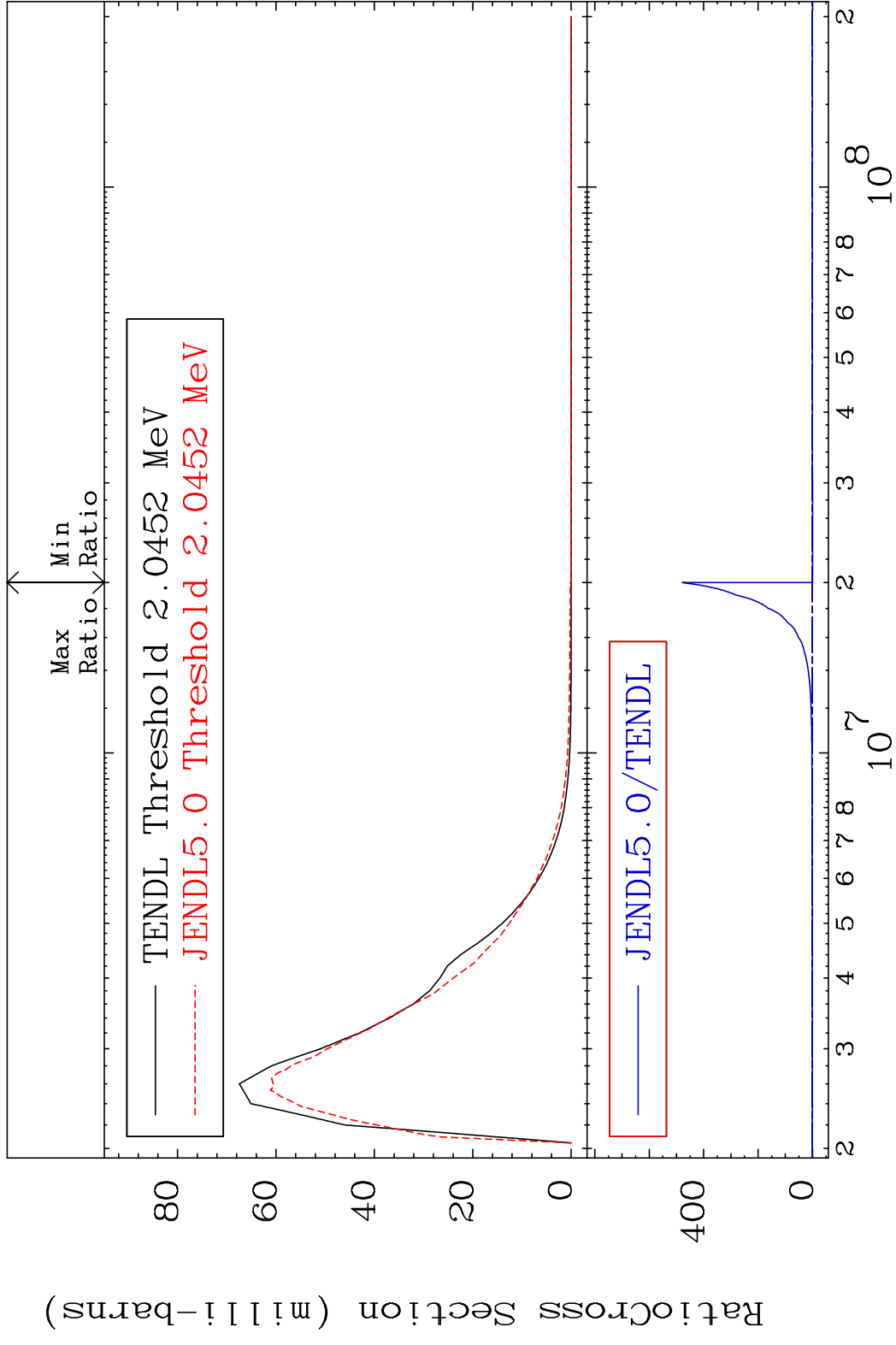


20 Incident Energy (eV) 29-Cu-63

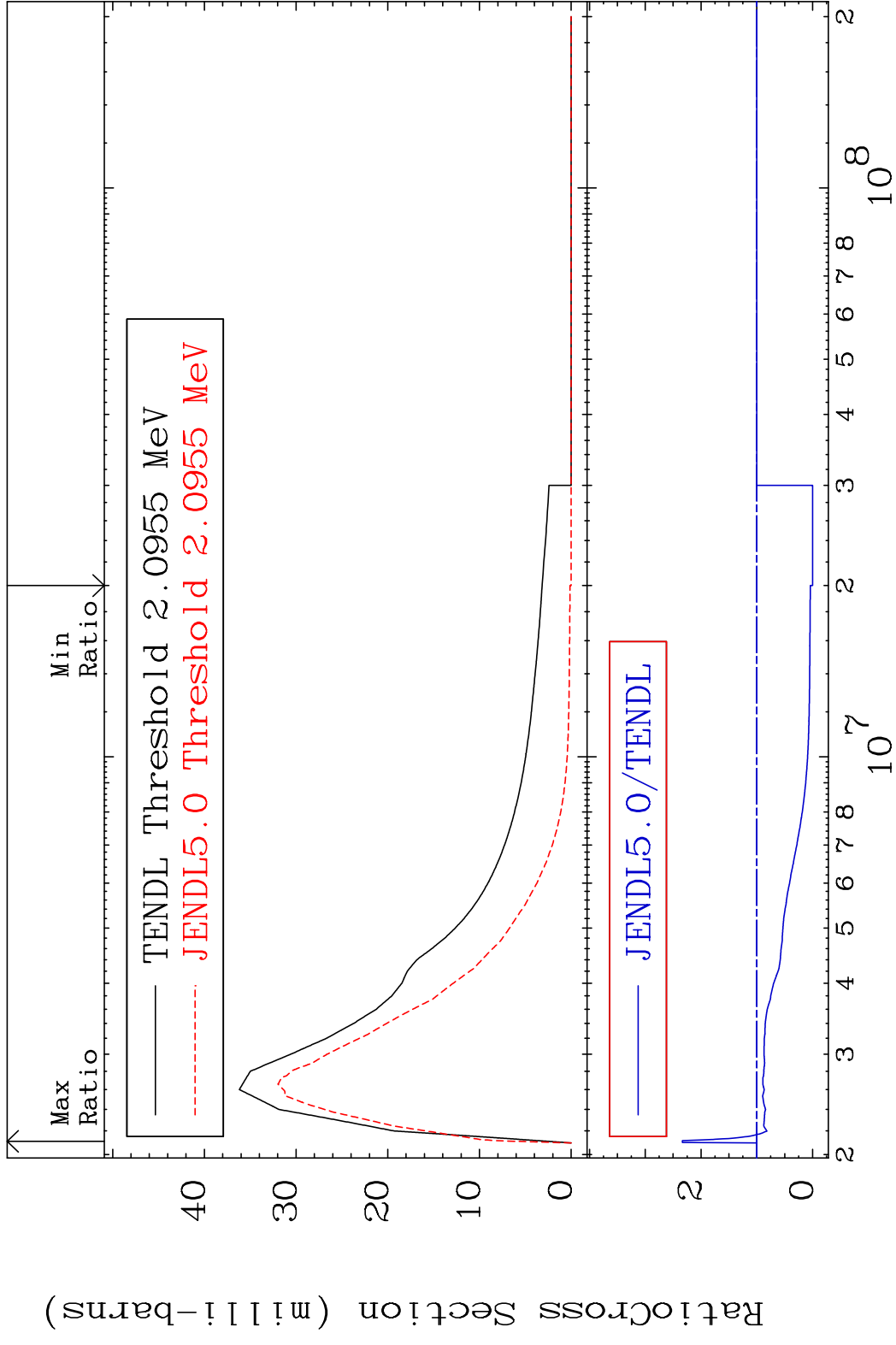
MAT 2925 MT= 57 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 161.7 %



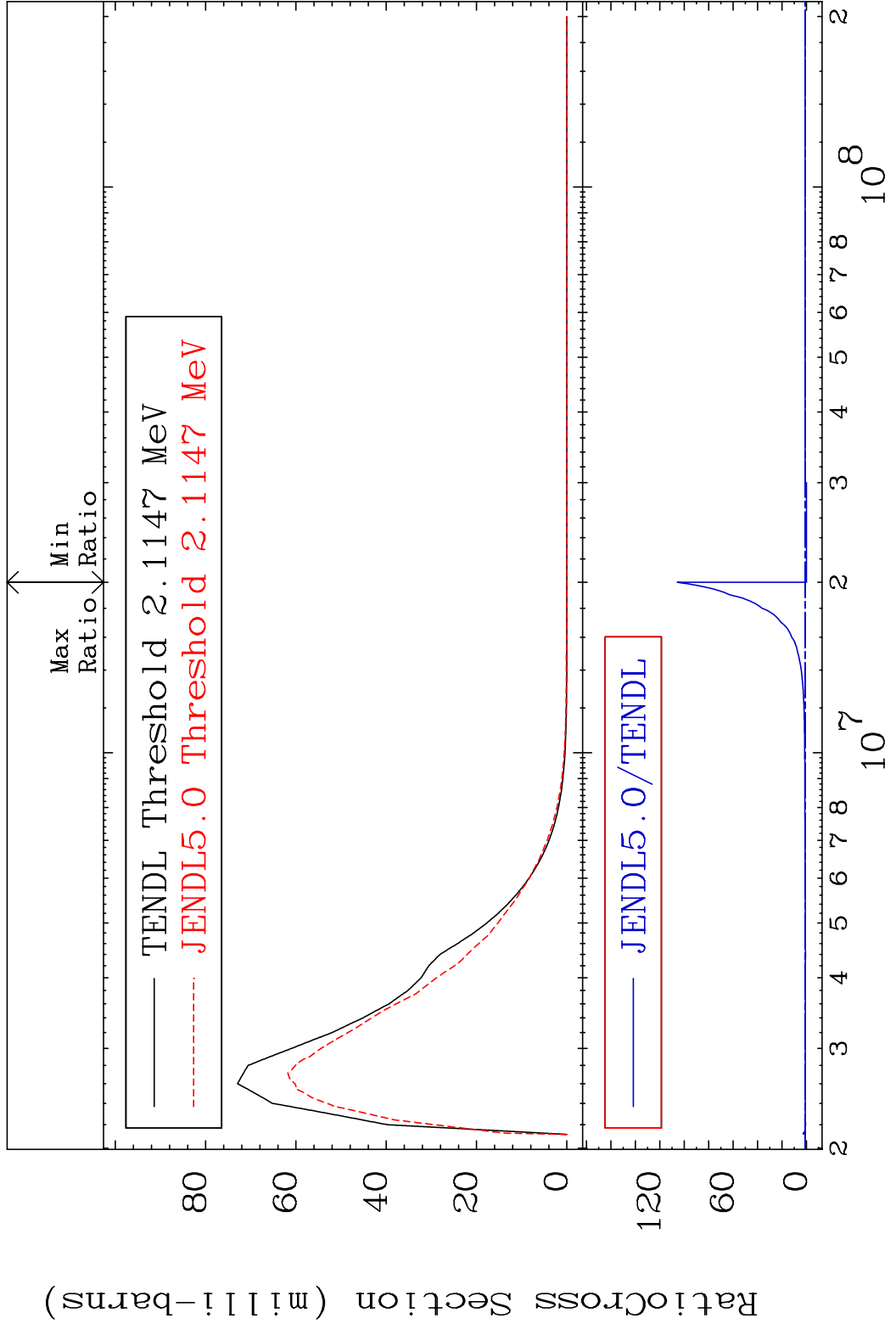
MAT 2925 MT= 58 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



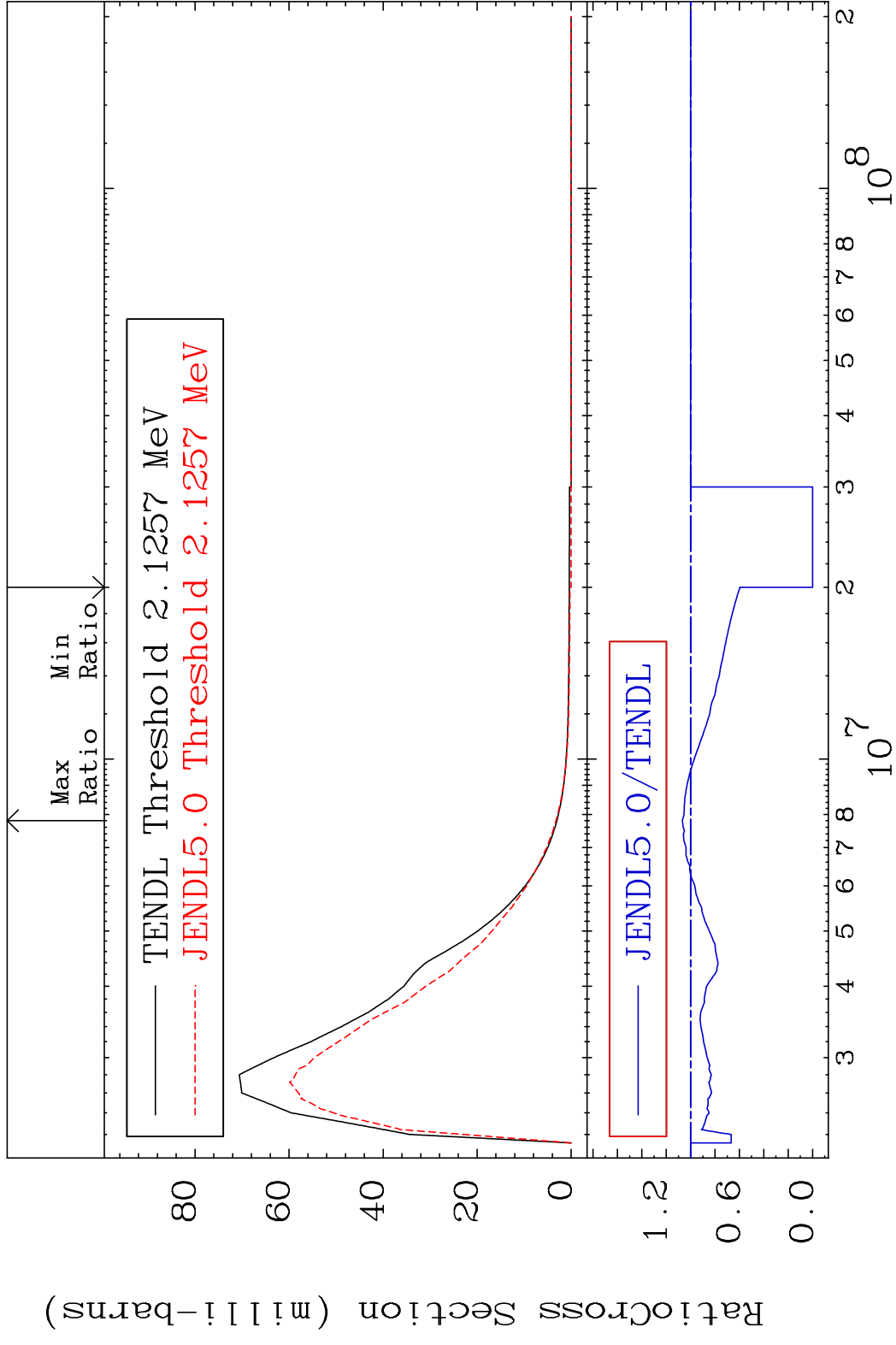
MAT 2925 MT= 59 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 133.5 %



MAT 2925 MT= 60 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

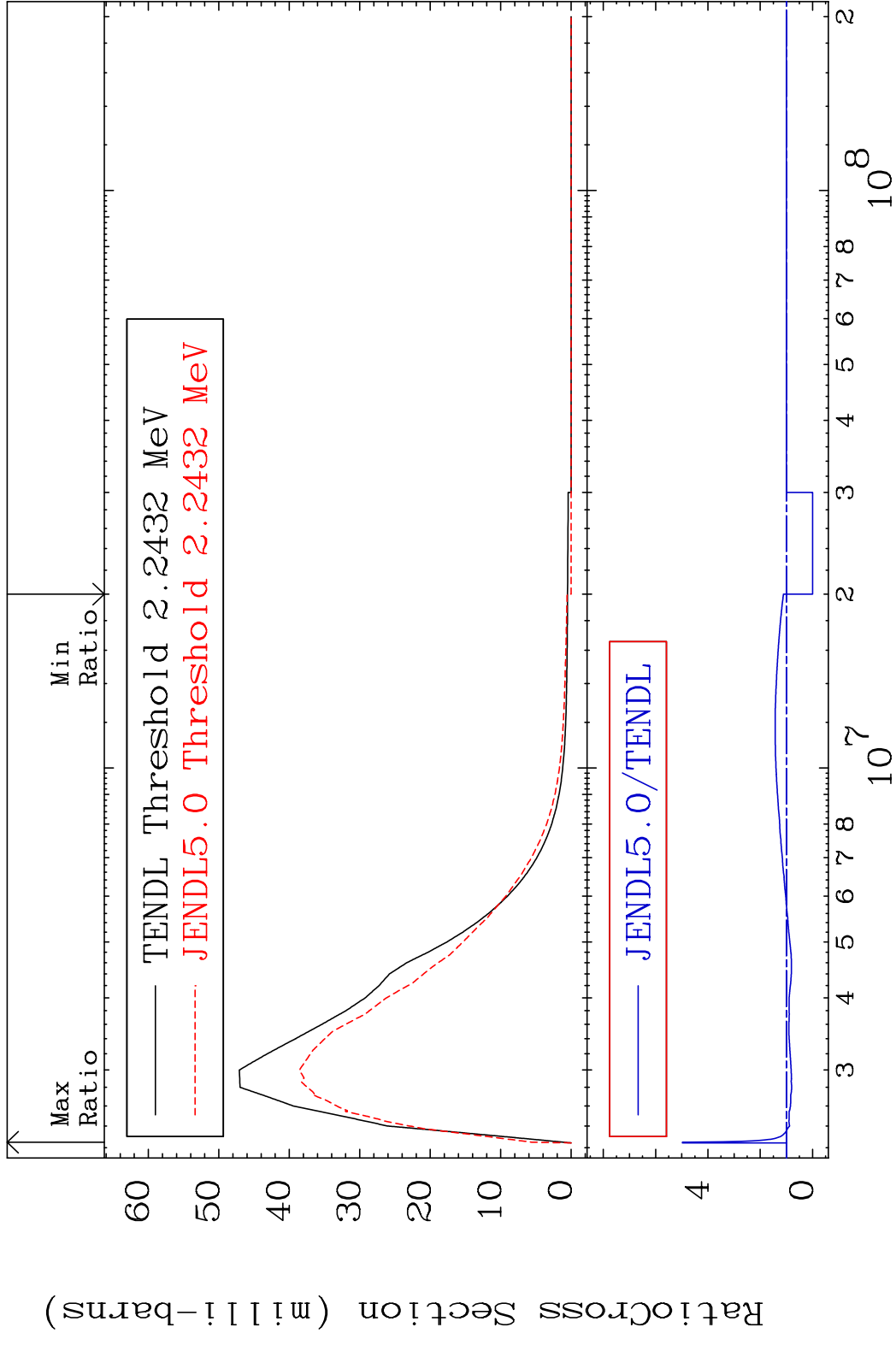


MAT 2925 MT= 61 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 6.790 %

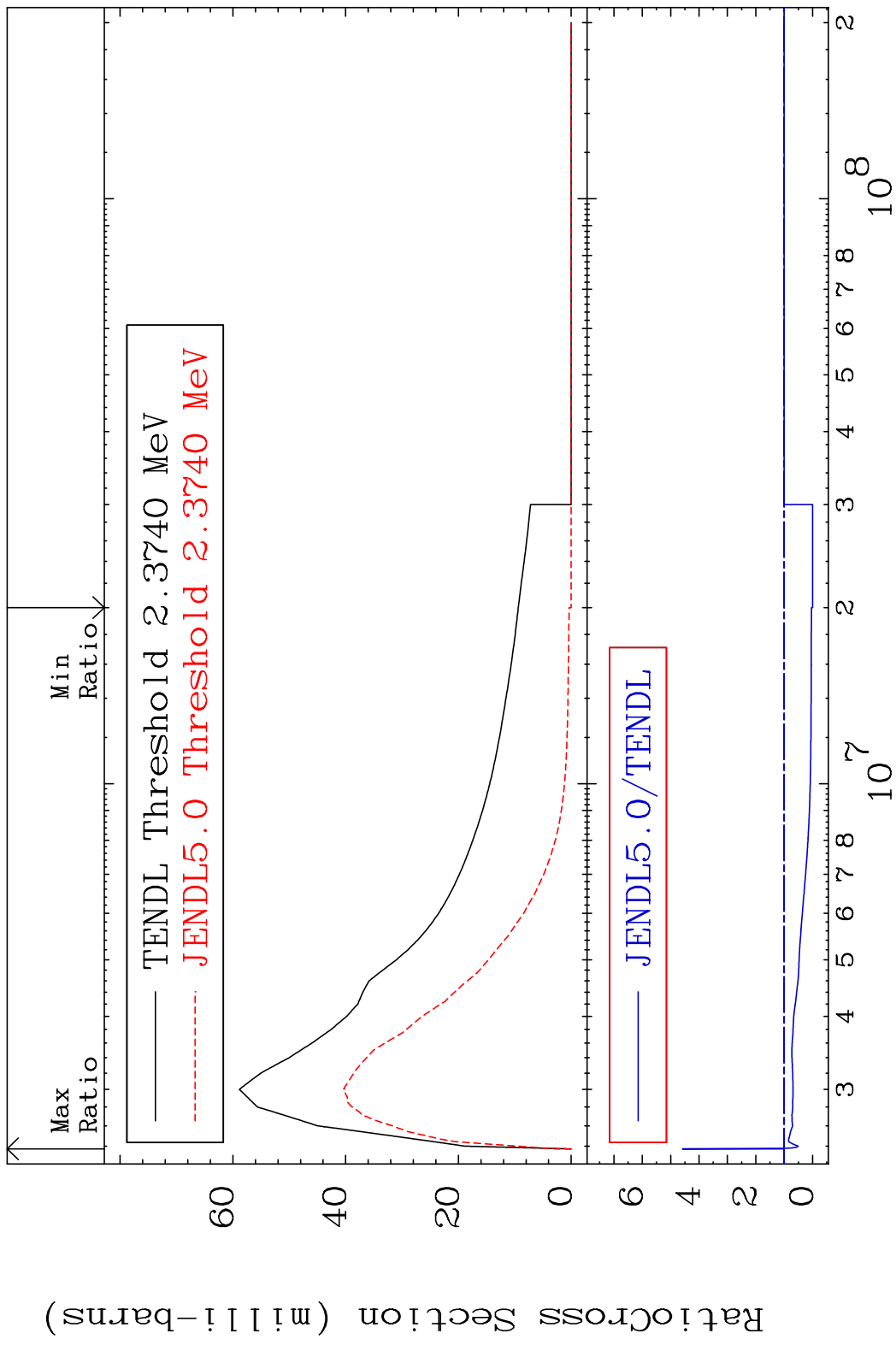


25 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 62 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 397.9 %

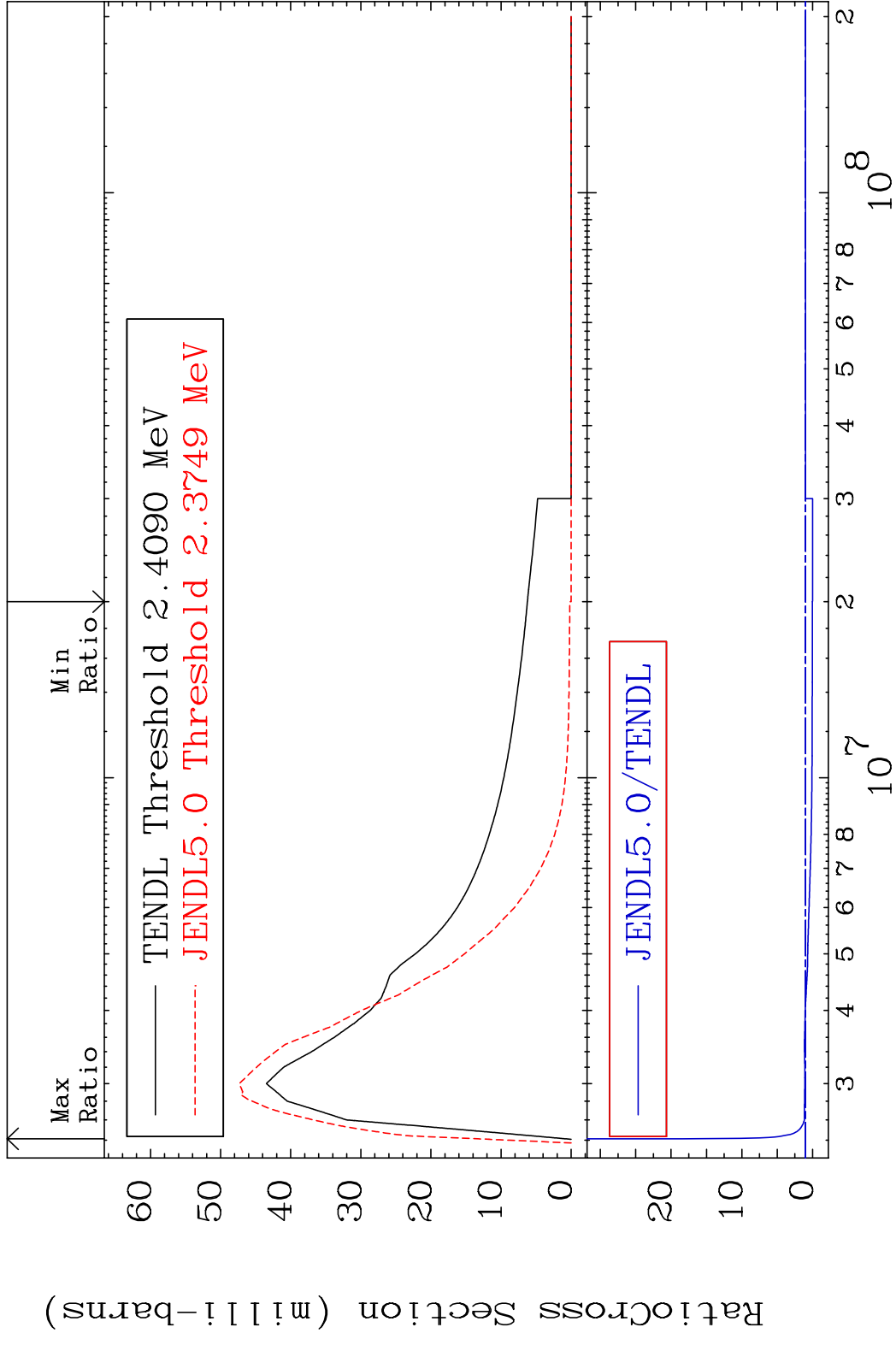


MAT 2925 MT= 63 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 358.8 %

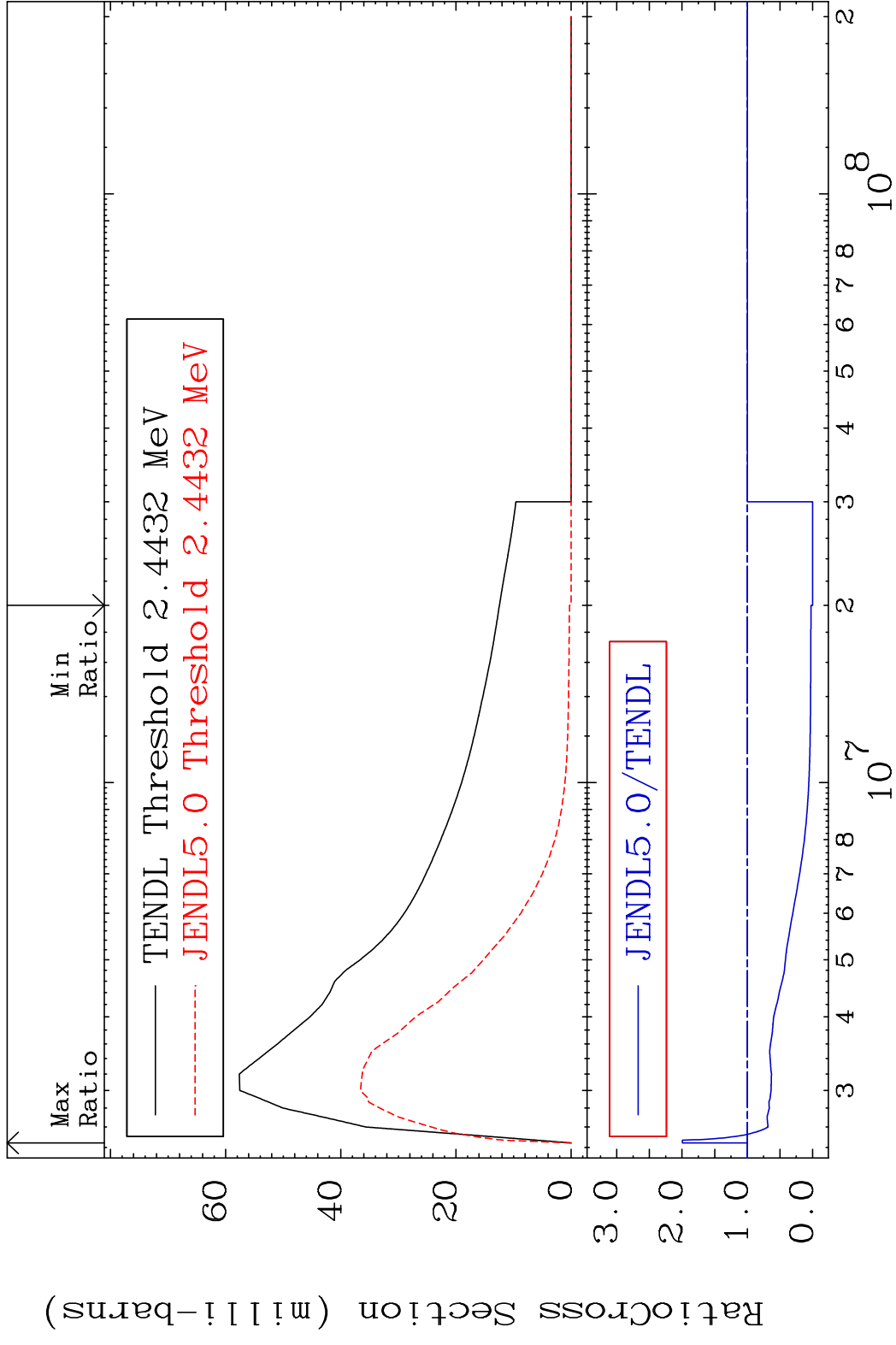


27 Incident Energy (eV) 29-Cu-63

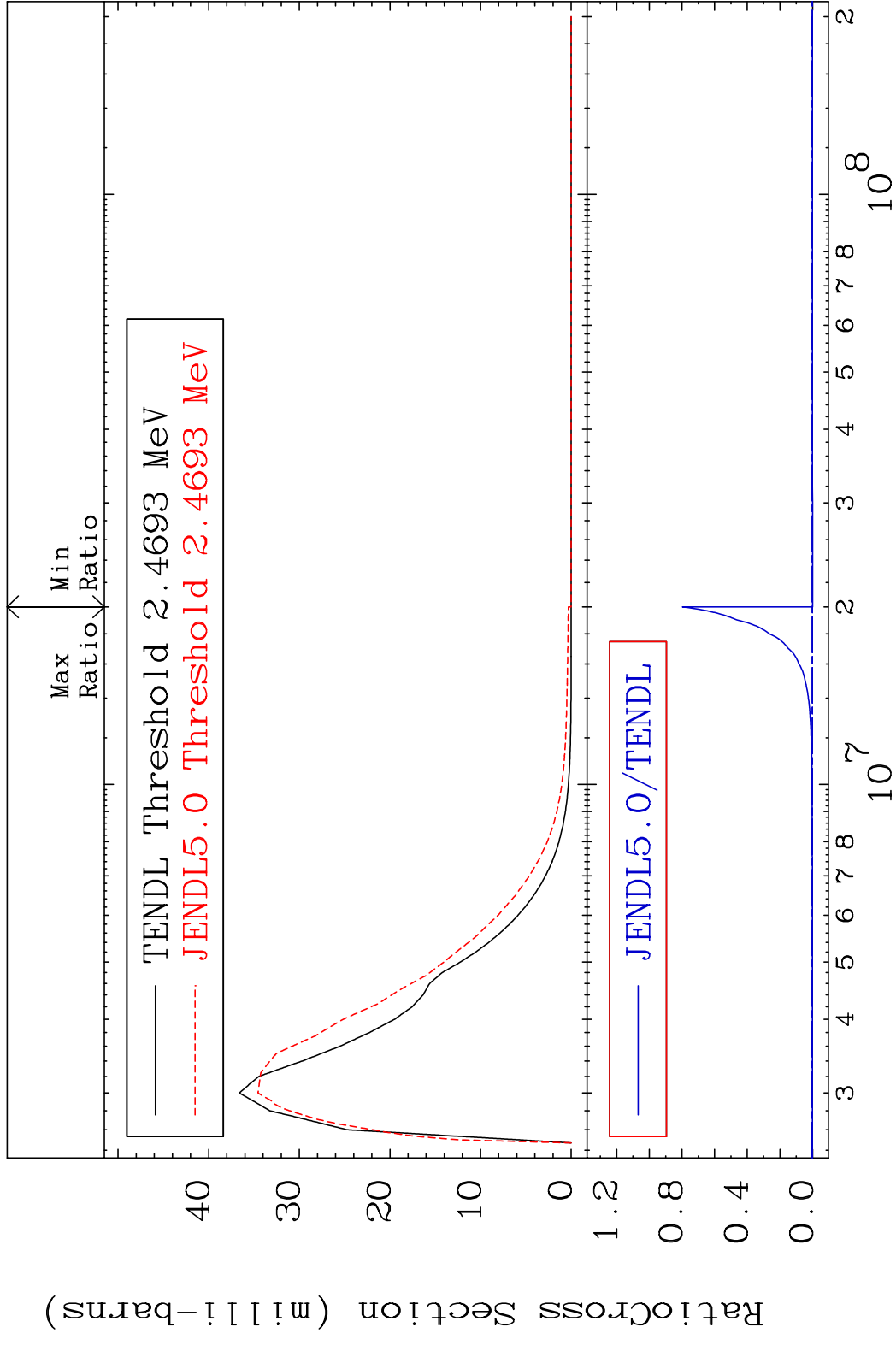
MAT 2925 MT= 64 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 1741. %



MAT 2925 MT= 65 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 99.53 %

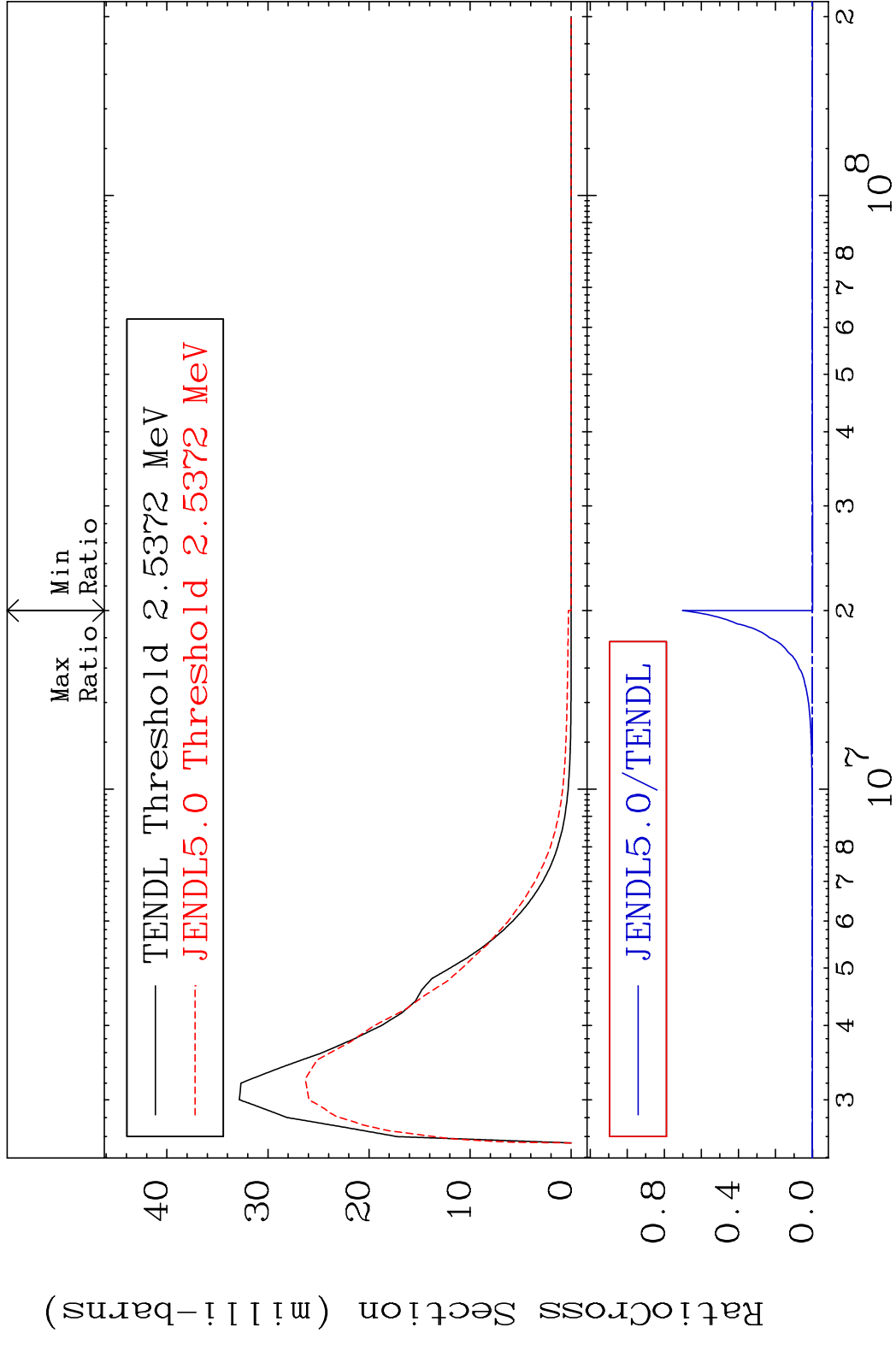


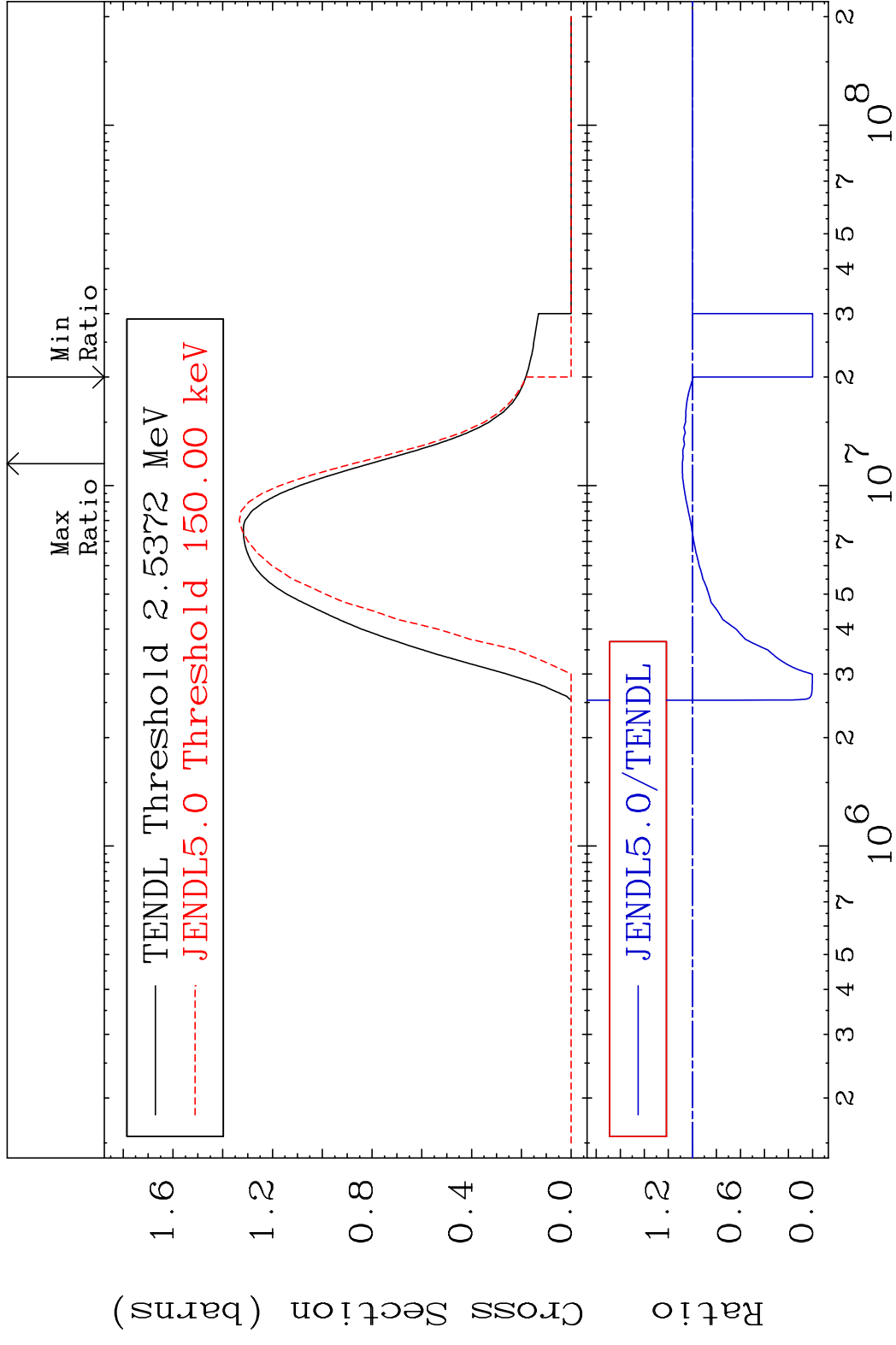
MAT 2925 MT= 66 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



30 30 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 67 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



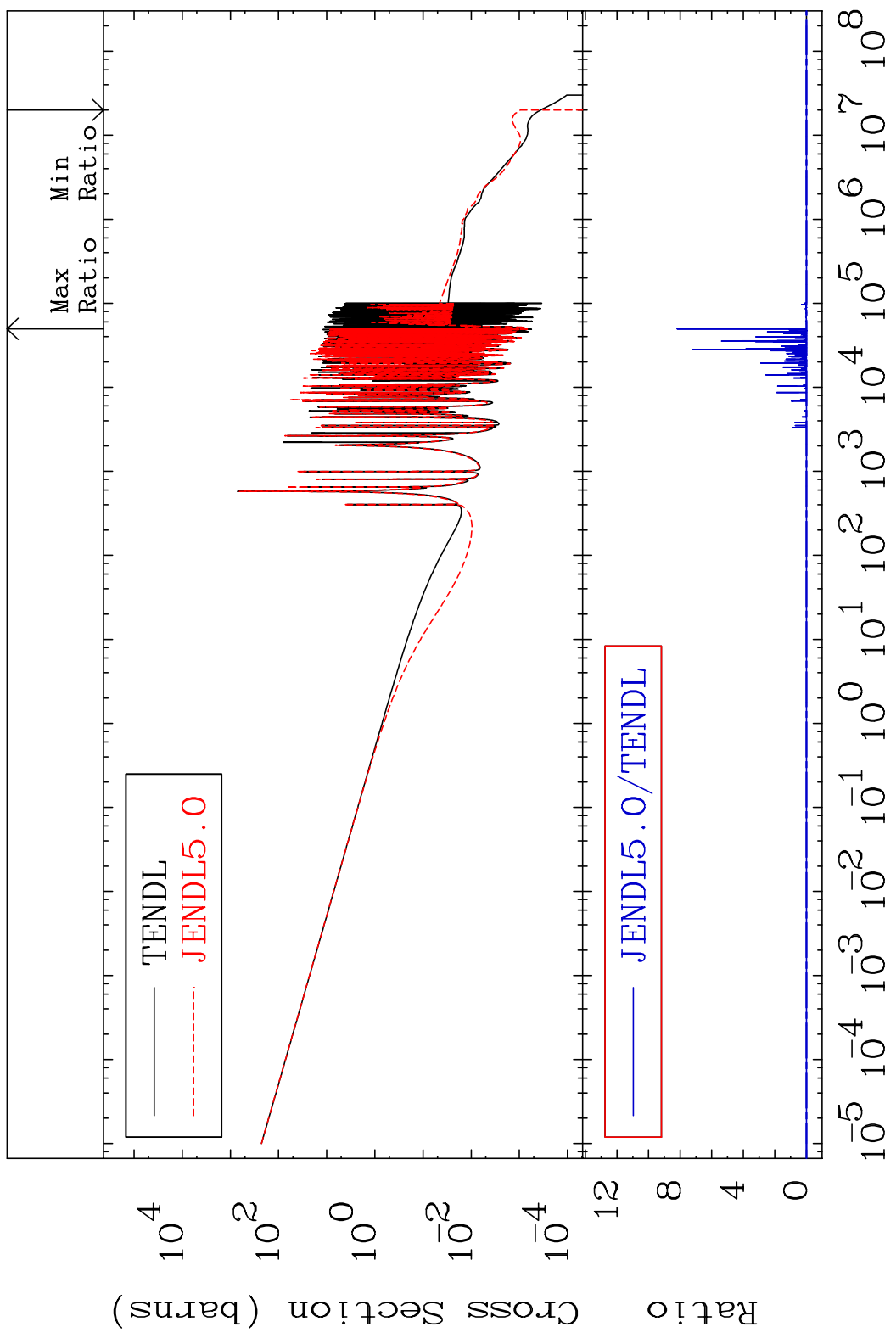


MAT 2925

(n, γ)

29-Cu-63

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

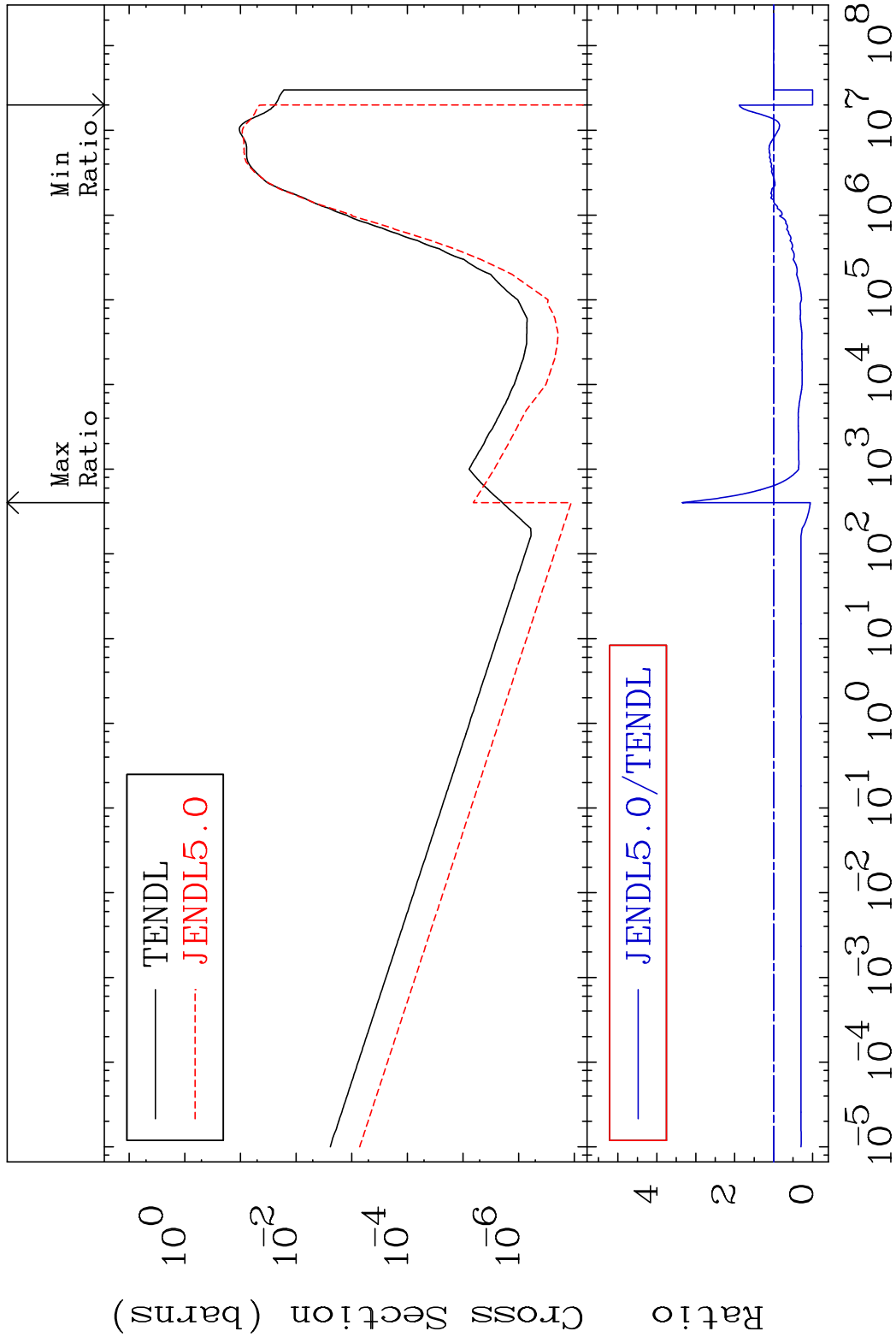
29-Cu-63

MAT 2925

(n, p)

29-Cu-63

Cross Section -100.0 To 234.5 %

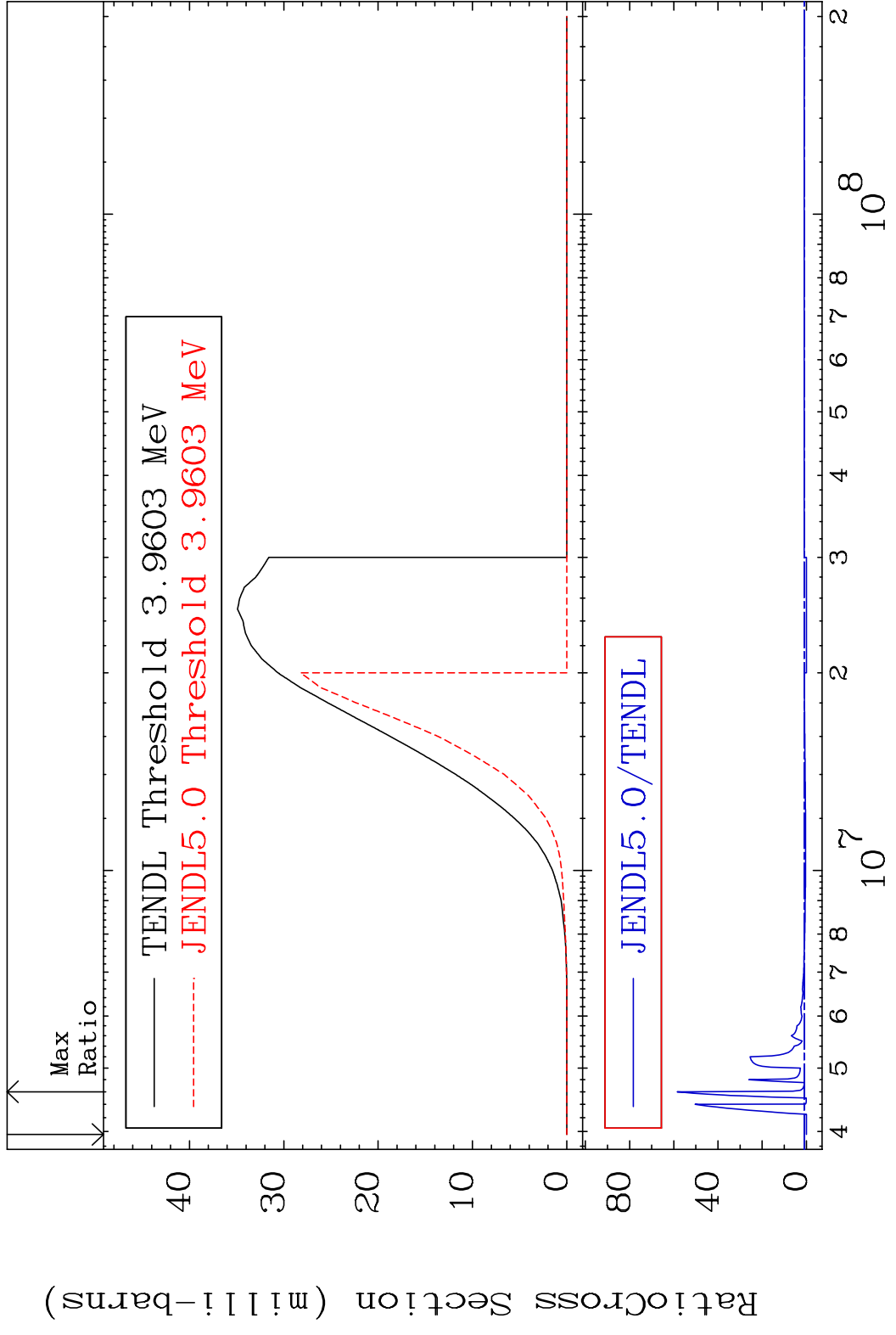


34

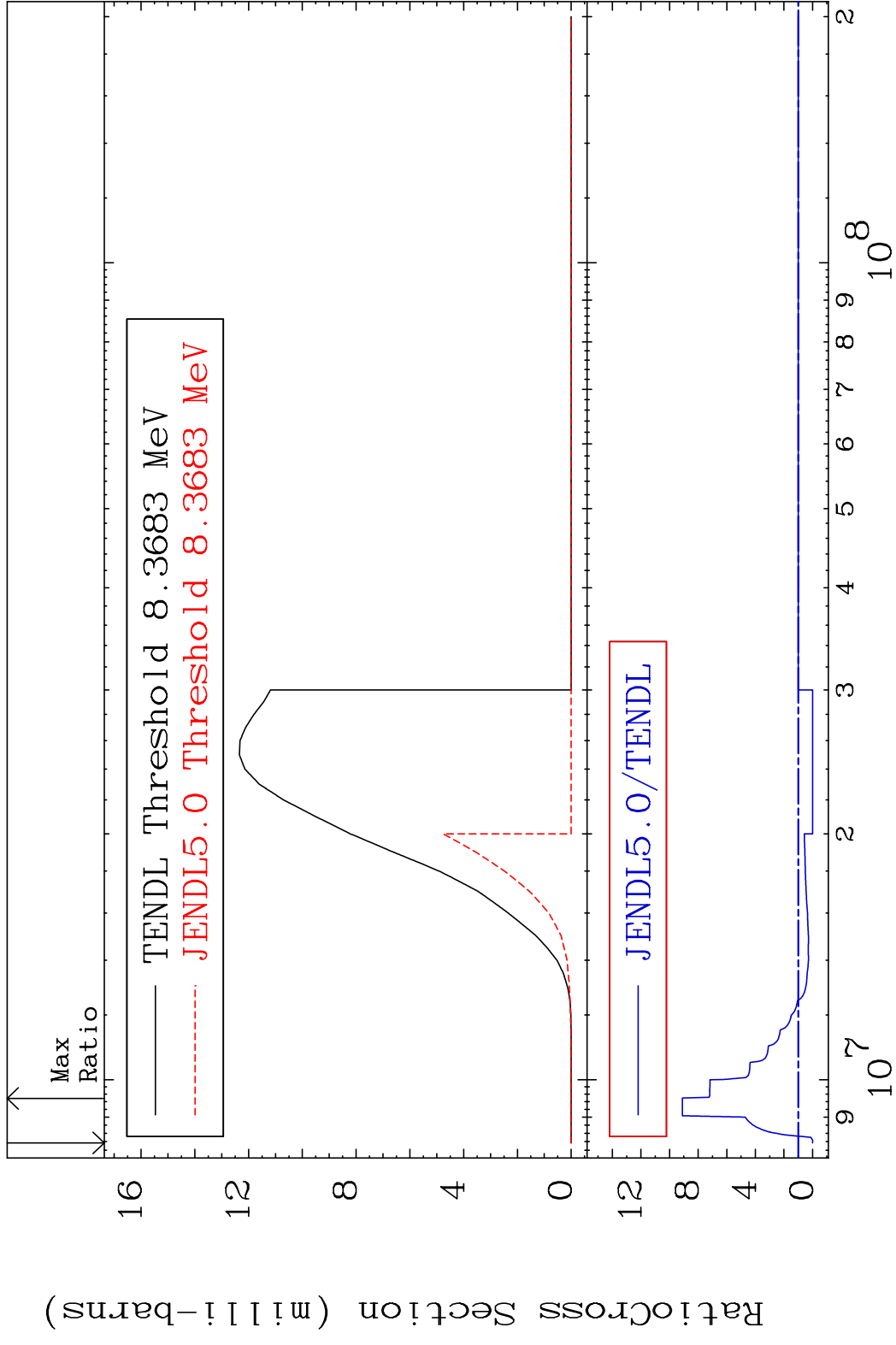
Incident Energy (eV)

29-Cu-63

MAT 2925 (n,d) 29-Cu-63
 Cross Section -100.0 To 5746. %



MAT 2925 (n, t) 29-Cu-63
 Cross Section -100.0 To 810.6 %

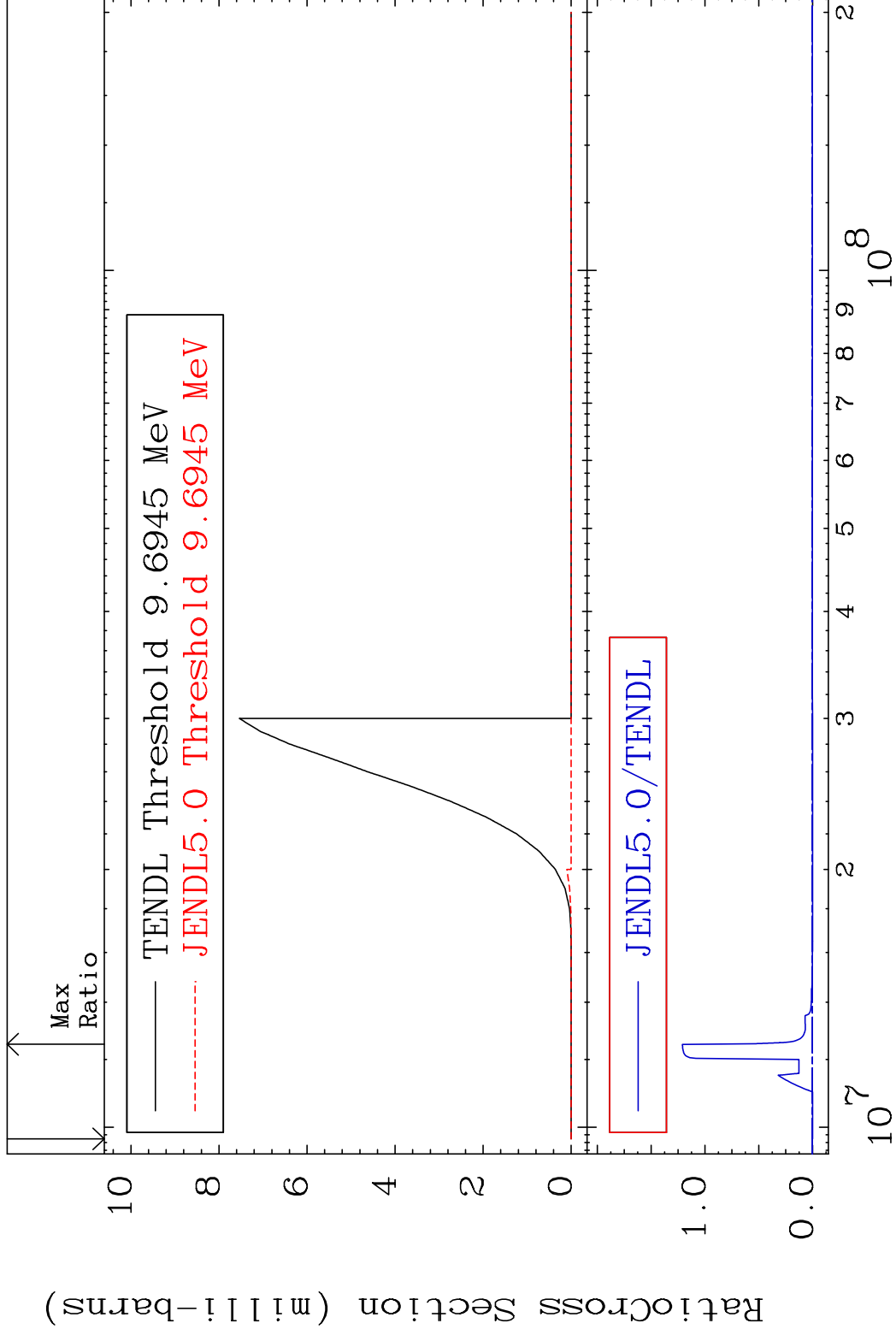


MAT 2925

(n, He-3)

29-Cu-63

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

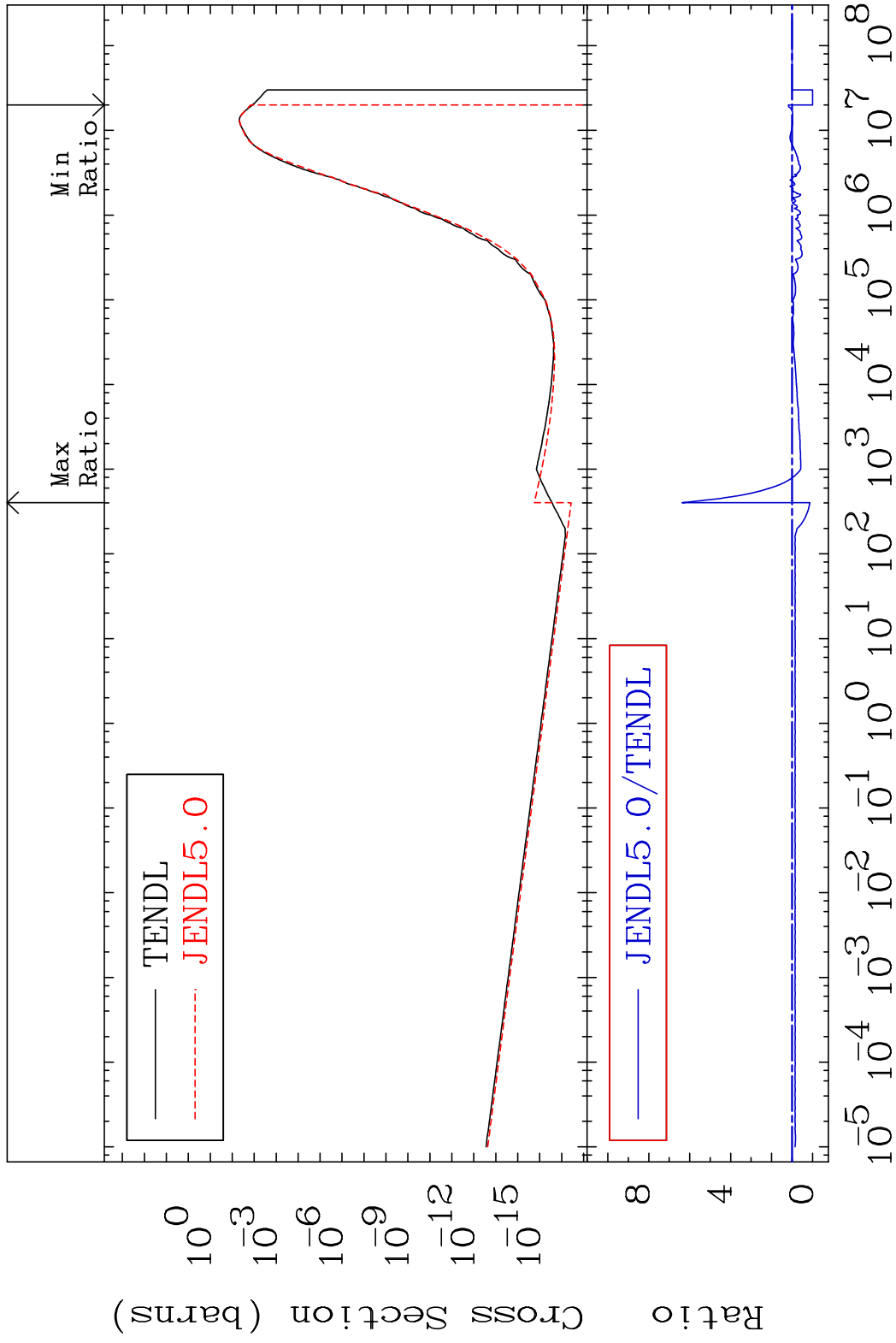
29-Cu-63

MAT 2925

(n, α)

29-Cu-63

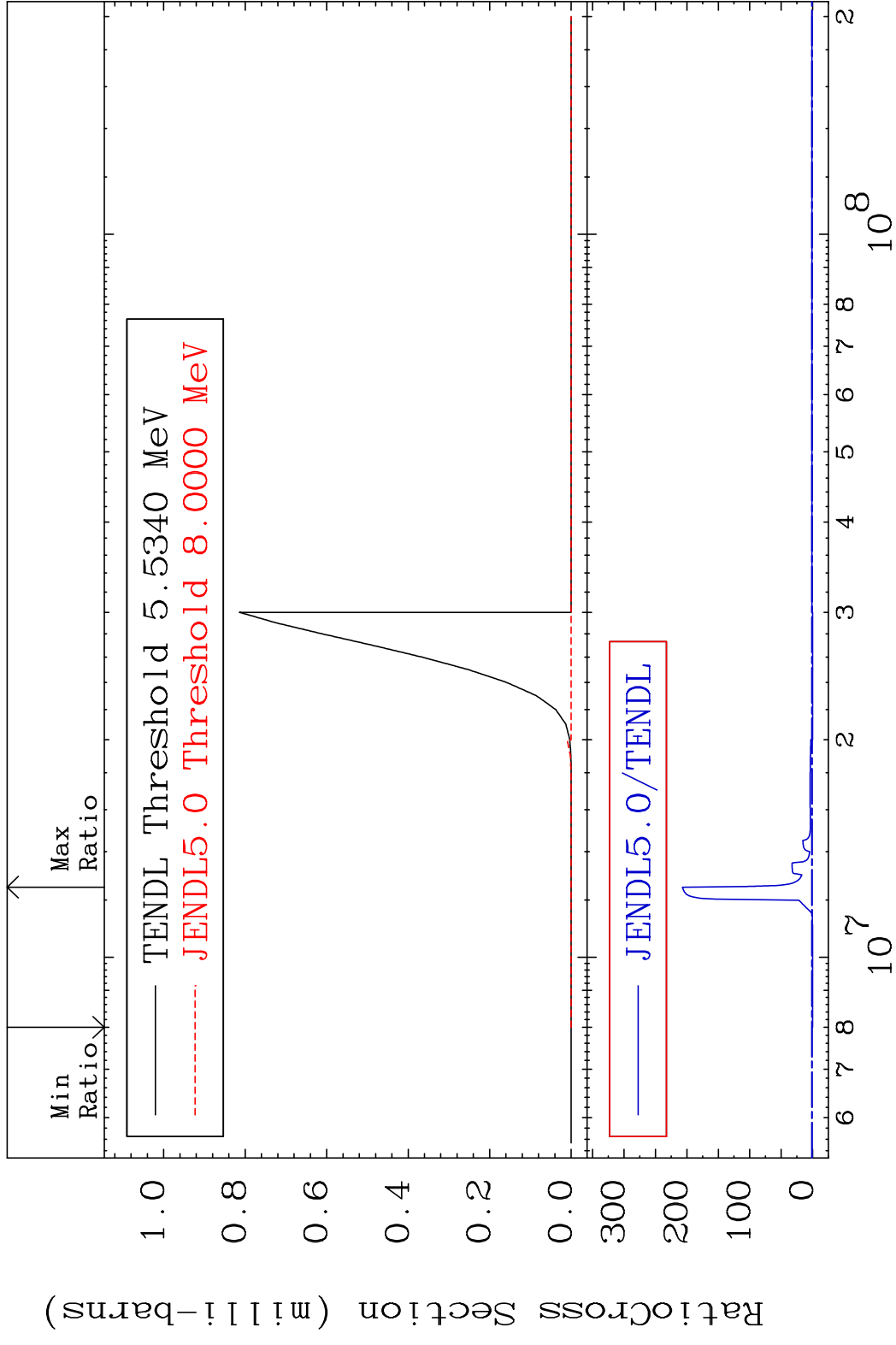
Cross Section -100.0 To 535.9 %



38

Incident Energy (eV)

29-Cu-63

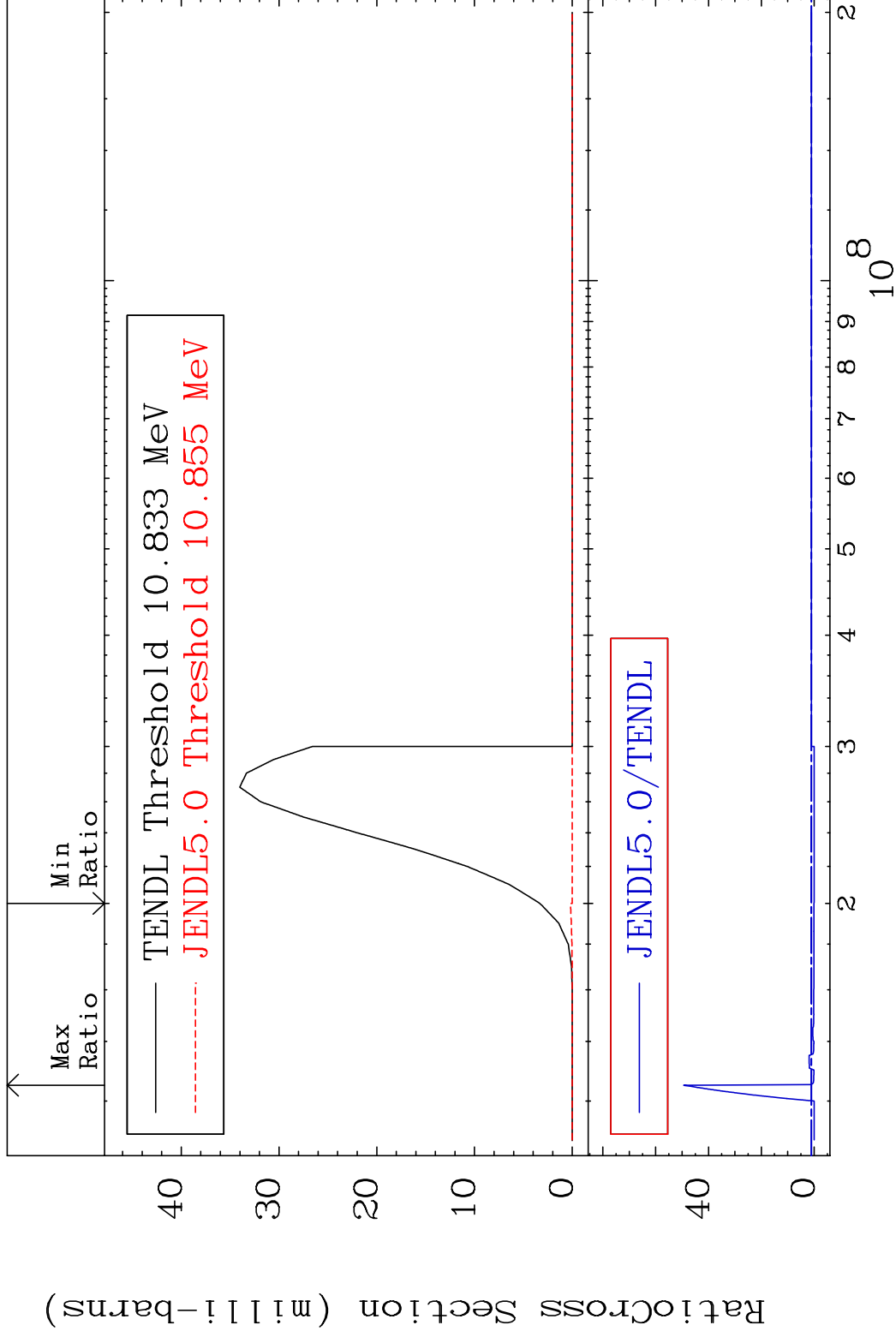


MAT 2925

(n,2p)

29-Cu-63

Cross Section -100.0 To 4841. %

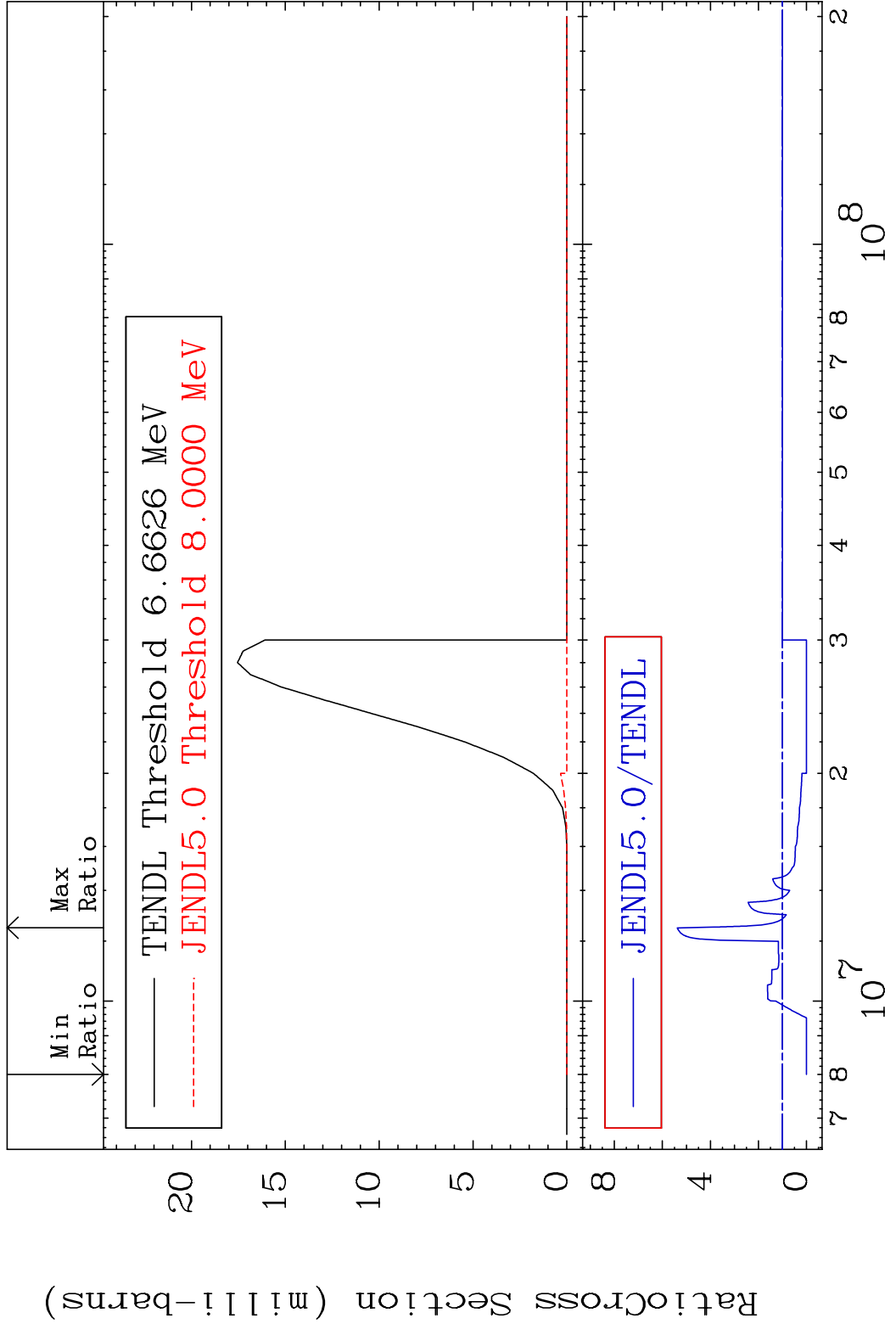


40

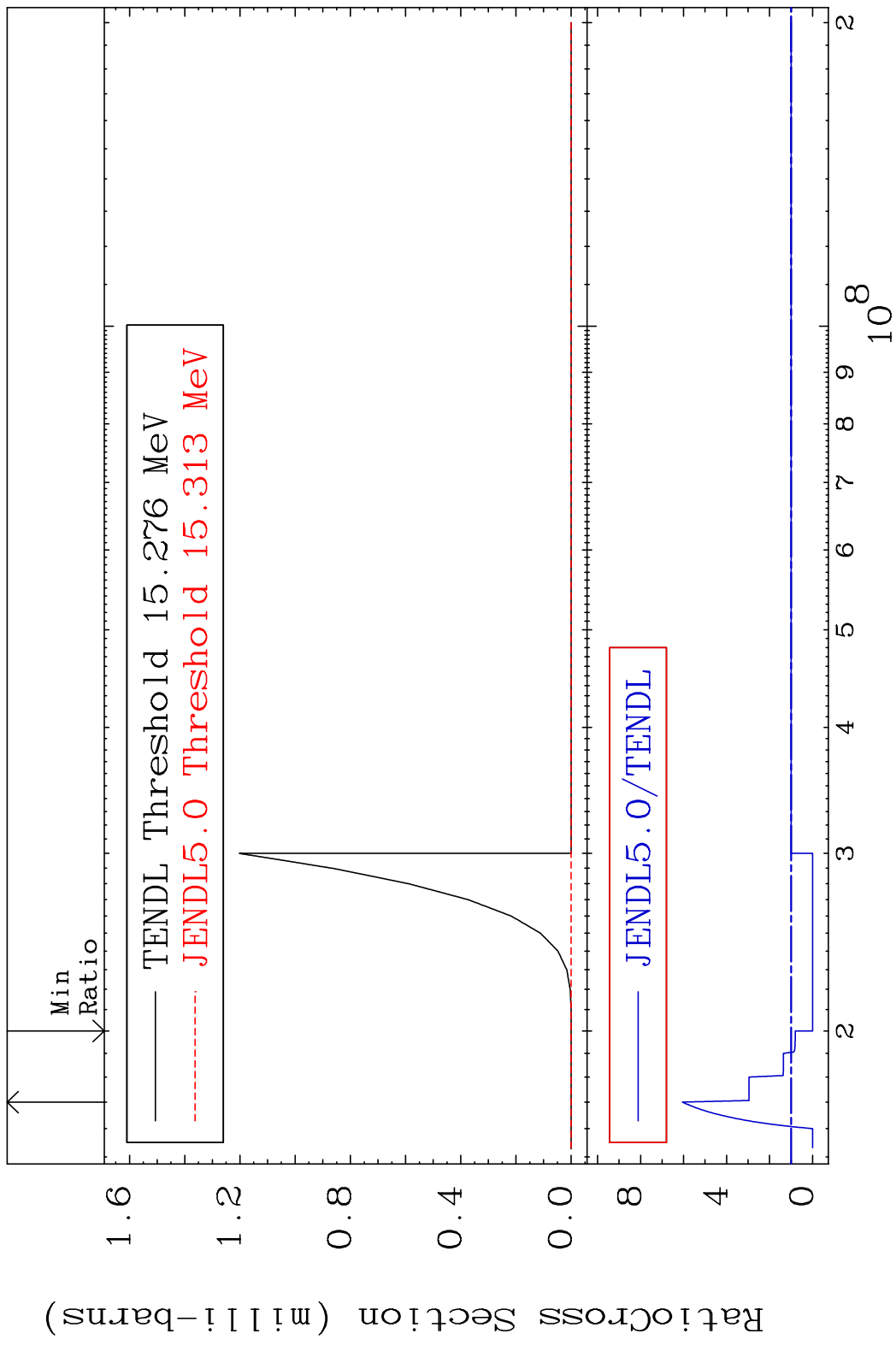
Incident Energy (eV)

29-Cu-63

MAT 2925 (n,p) α 29-Cu-63
 Cross Section -100.0 To 438.4 %

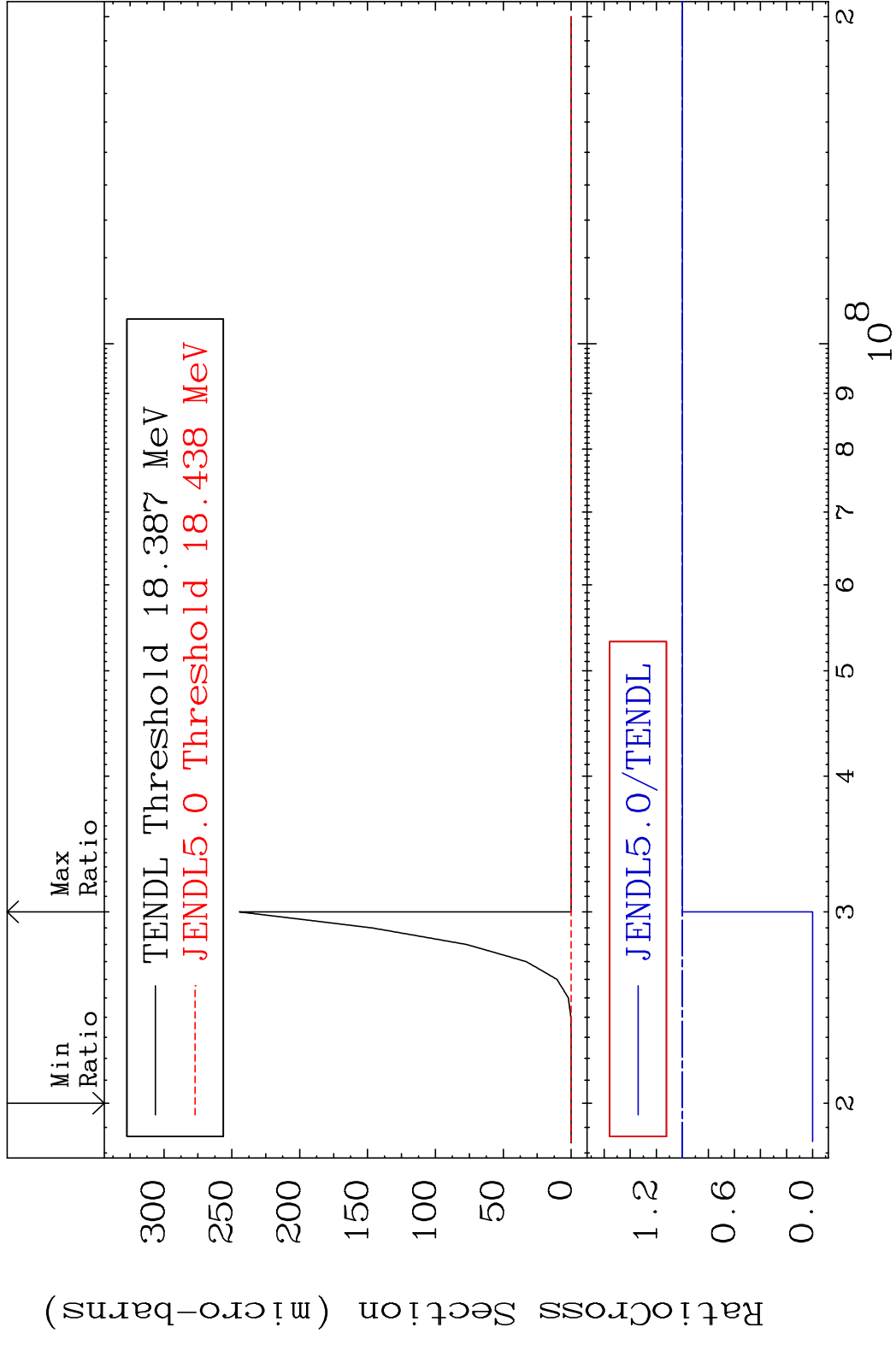


MAT 2925 (n,p) d 29-Cu-63
 Cross Section -100.0 To 505.7 %



42 29-Cu-63

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

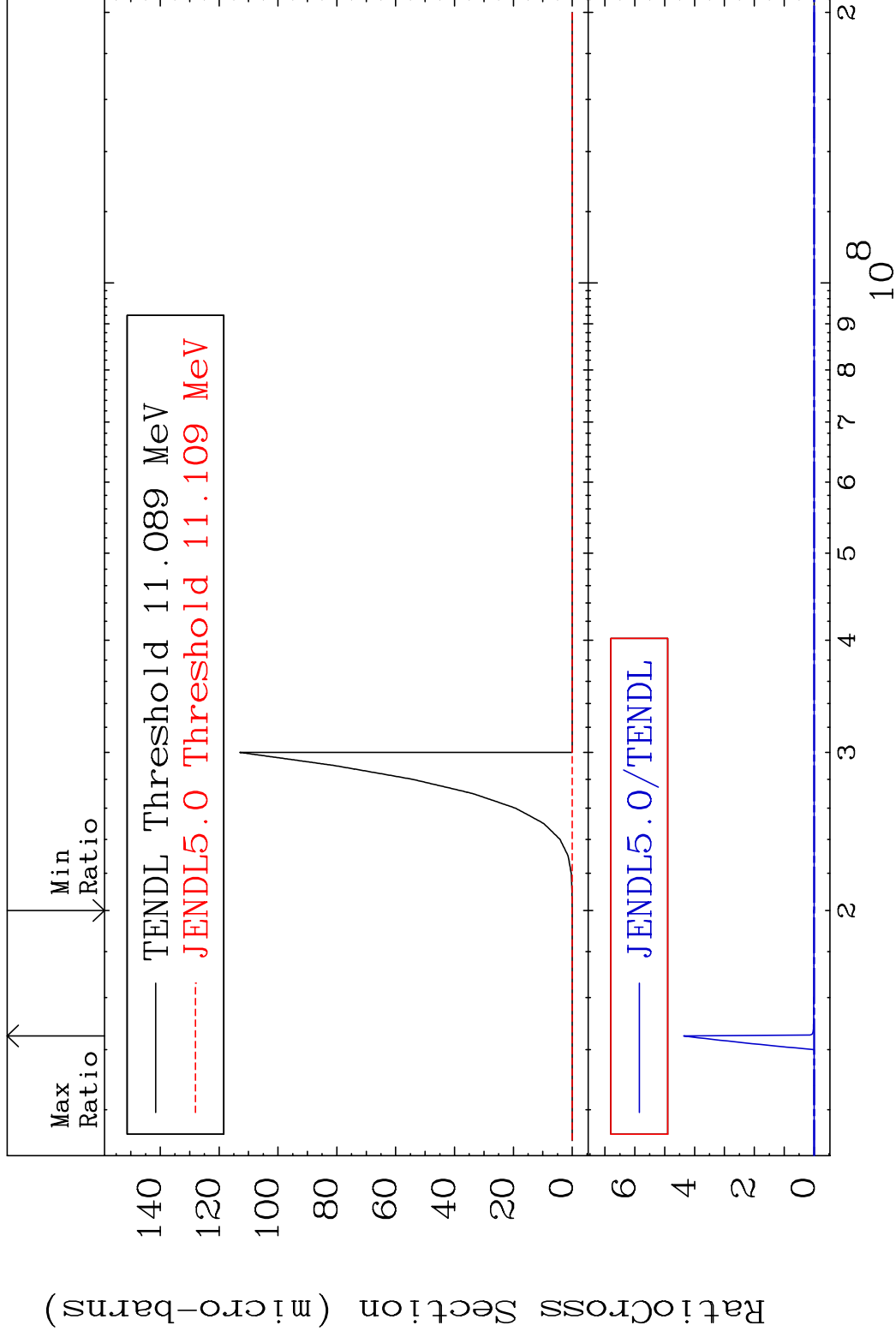


MAT 2925

(n,d) α

29-Cu-63

Cross Section -100.0 To 9999. %

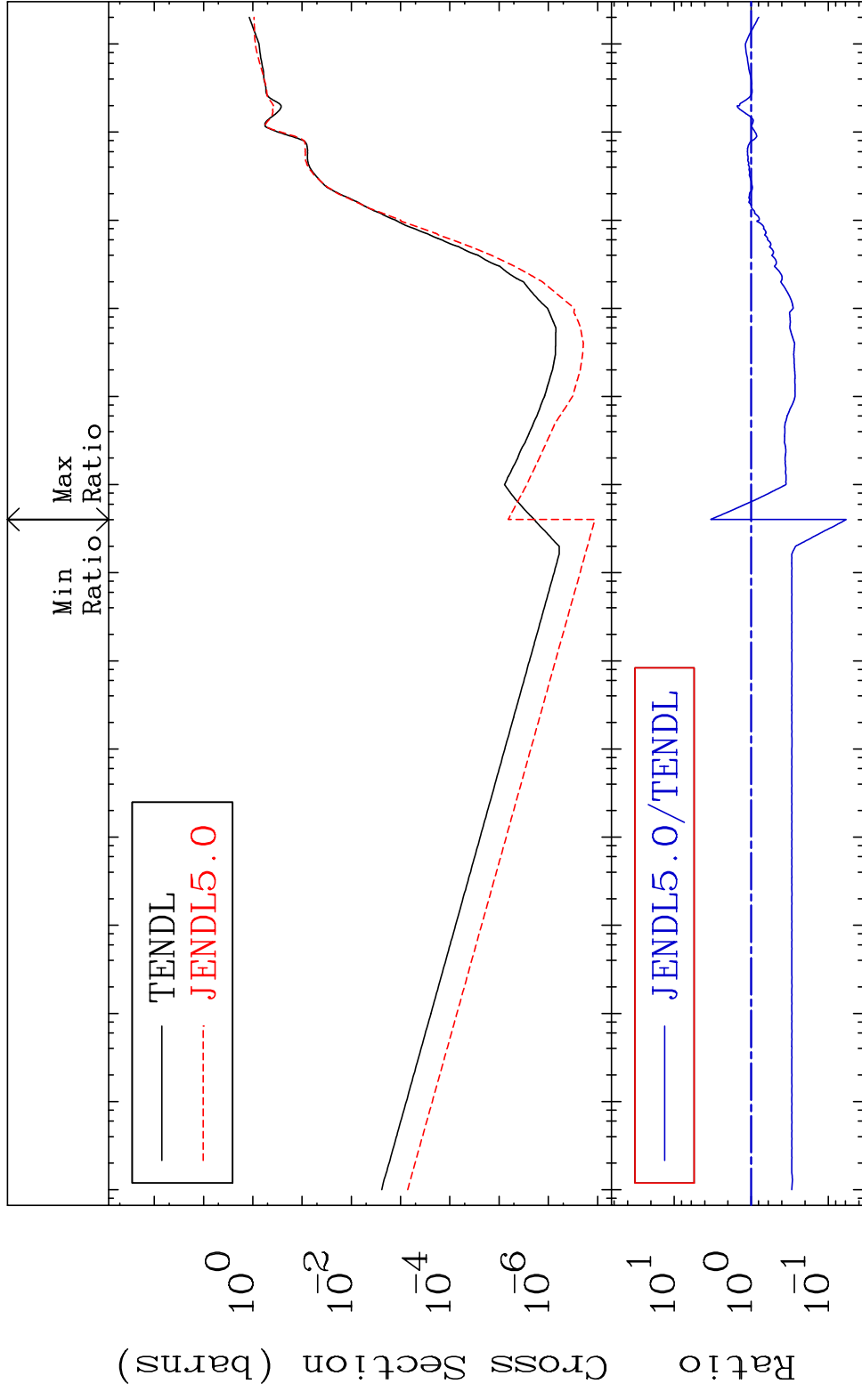


44

Incident Energy (eV)

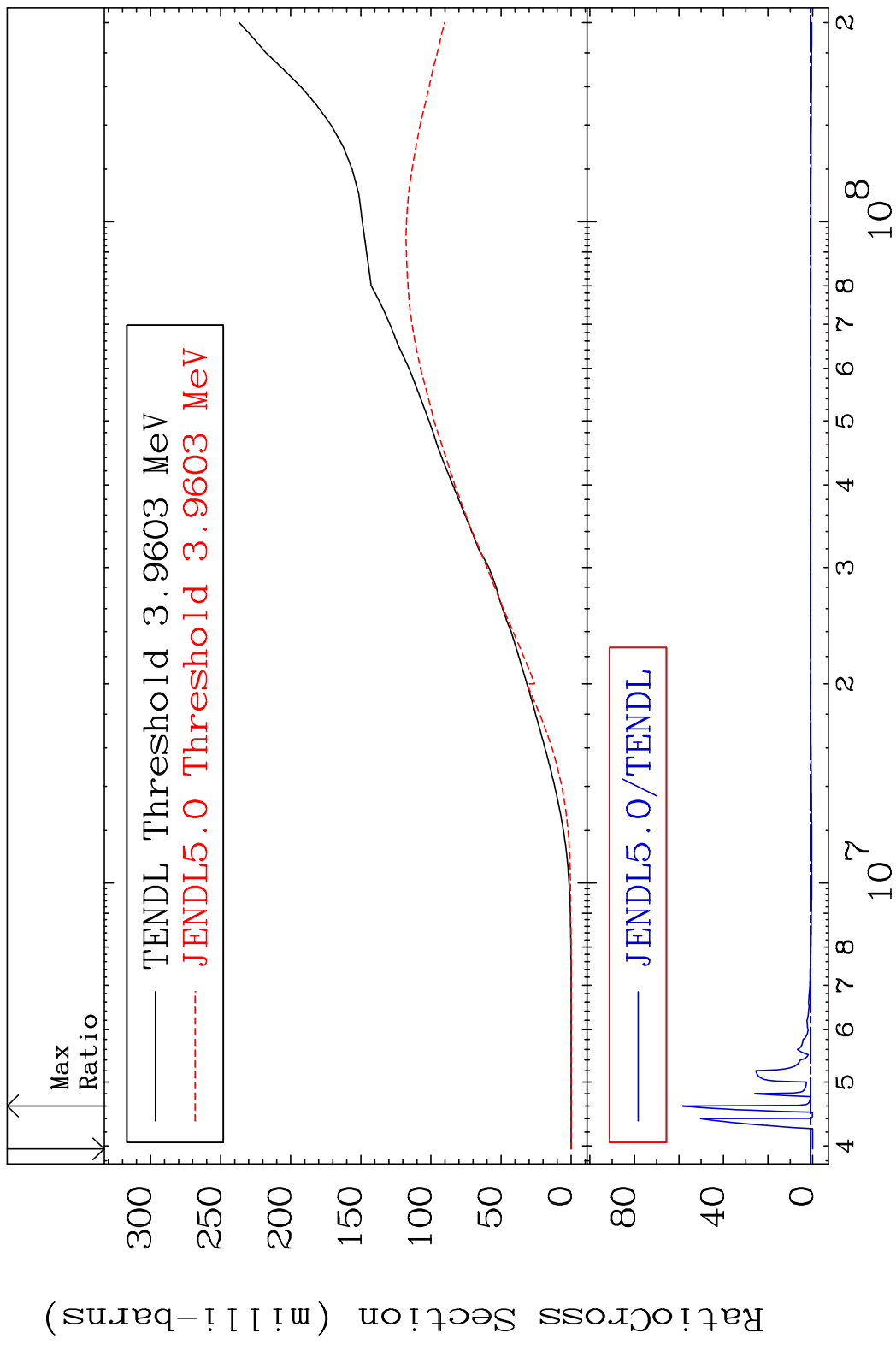
29-Cu-63

MAT 2925 Hydrogen Production 29-Cu-63
 Cross Section -94.18 To 234.5 %



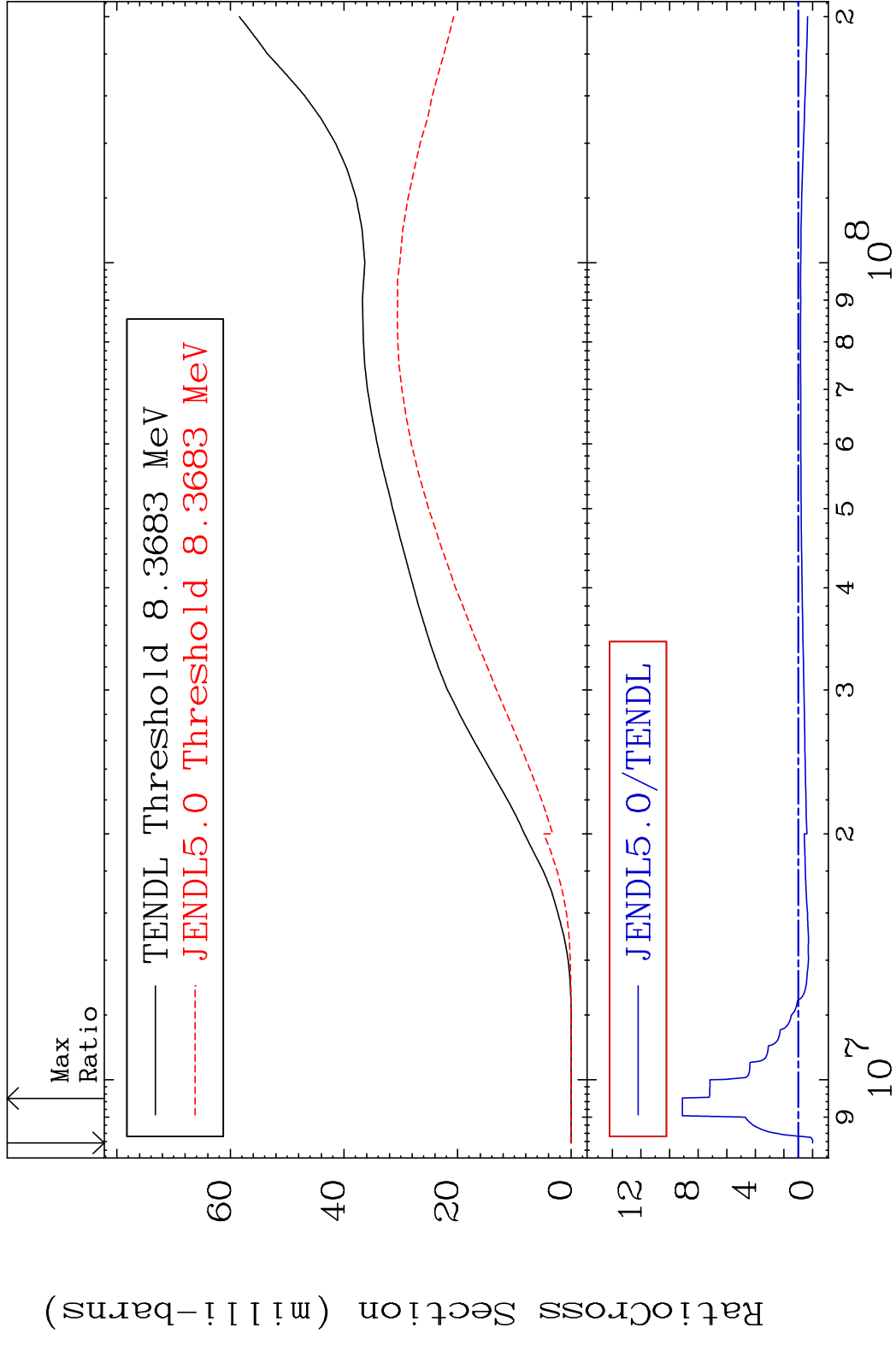
45 Incident Energy (eV) 29-Cu-63

MAT 2925 Deuterium Production 29-Cu-63
 Cross Section -100.0 To 5746. %



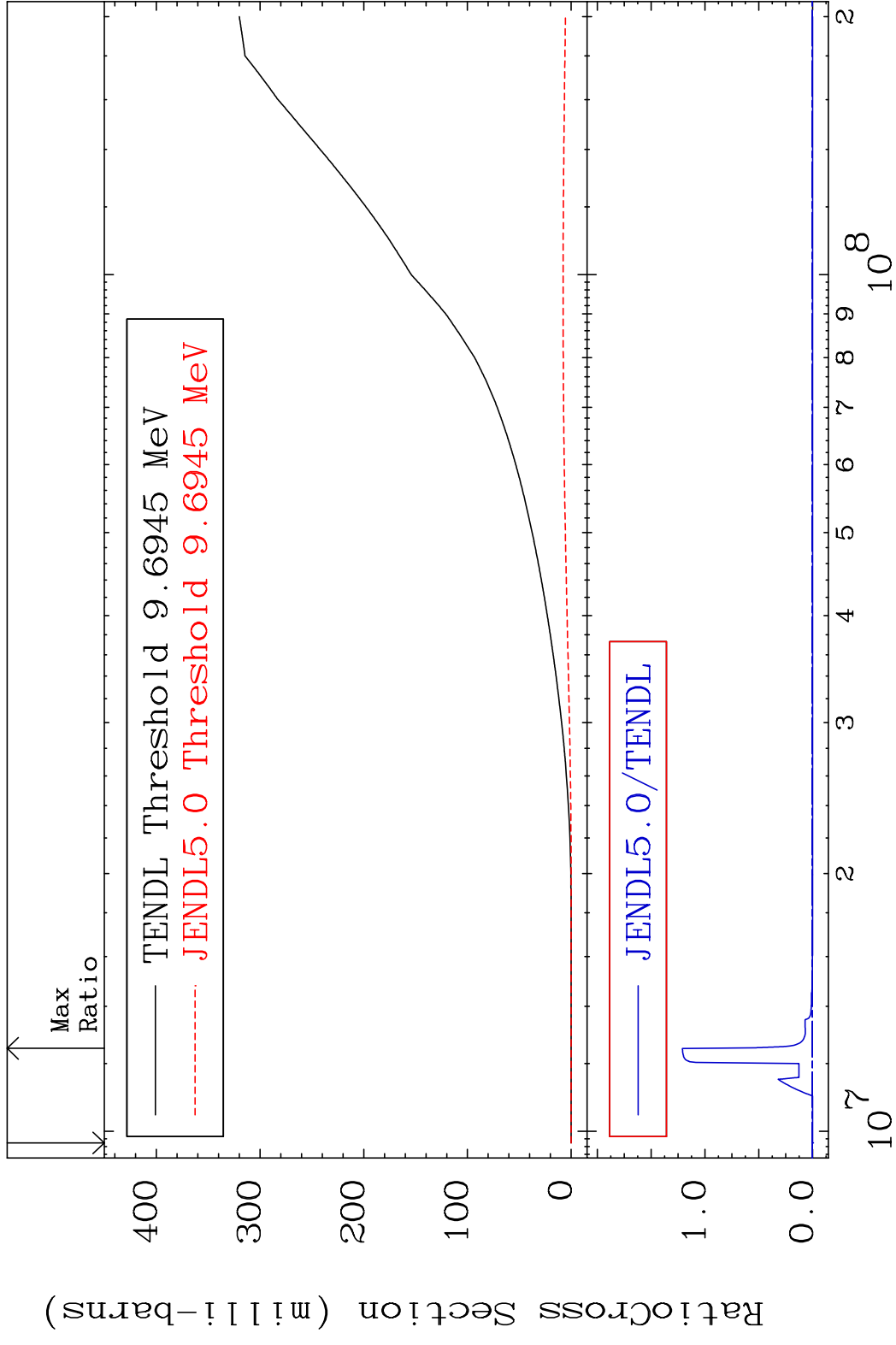
46 Incident Energy (eV) 29-Cu-63

MAT 2925 Tritium Production 29-Cu-63
 Cross Section -100.0 To 810.6 %



47 29-Cu-63

MAT 2925 He-3 Production 29-Cu-63
 Cross Section -100.0 To 9999. %



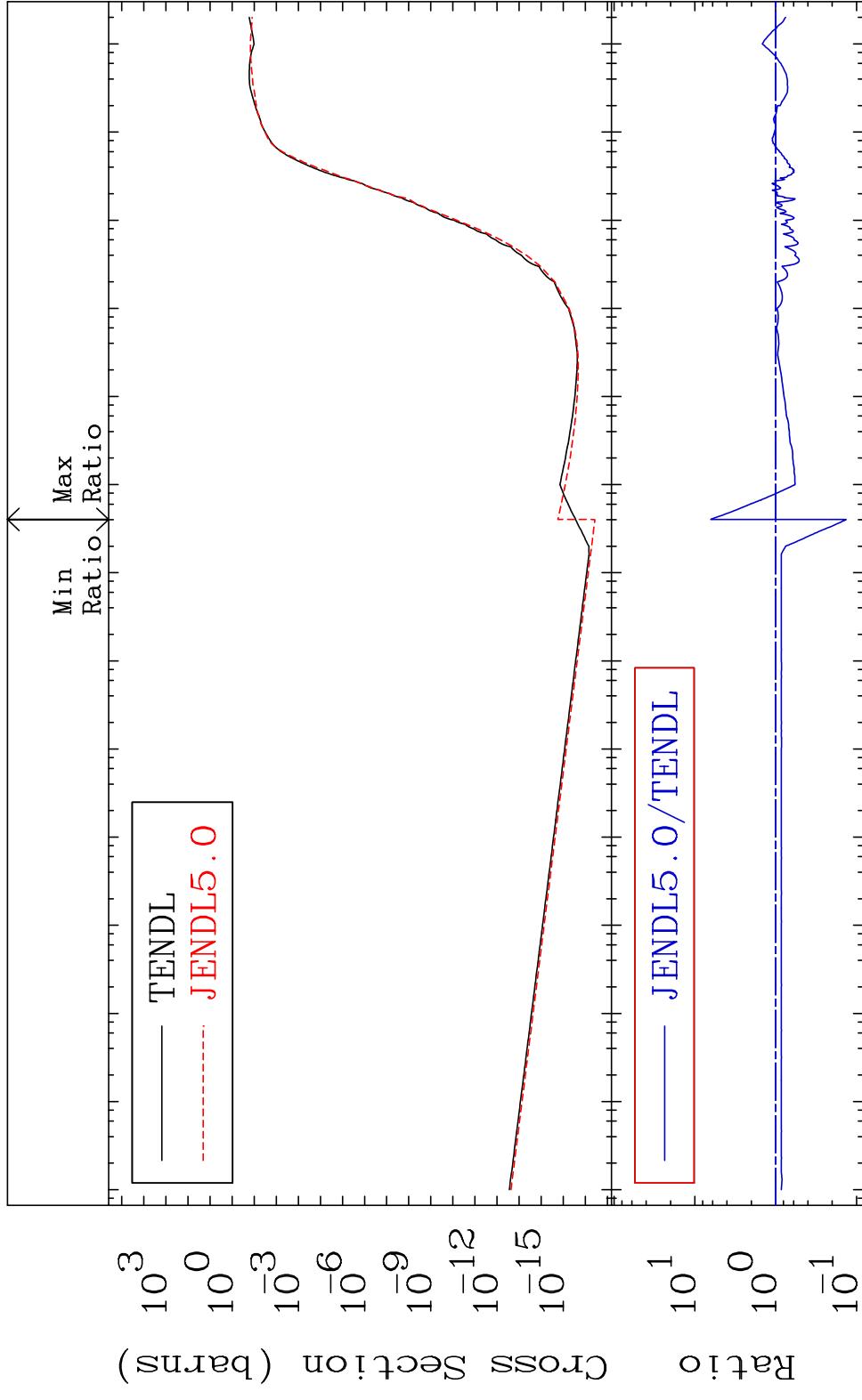
48 Incident Energy (eV) 29-Cu-63

MAT 2925

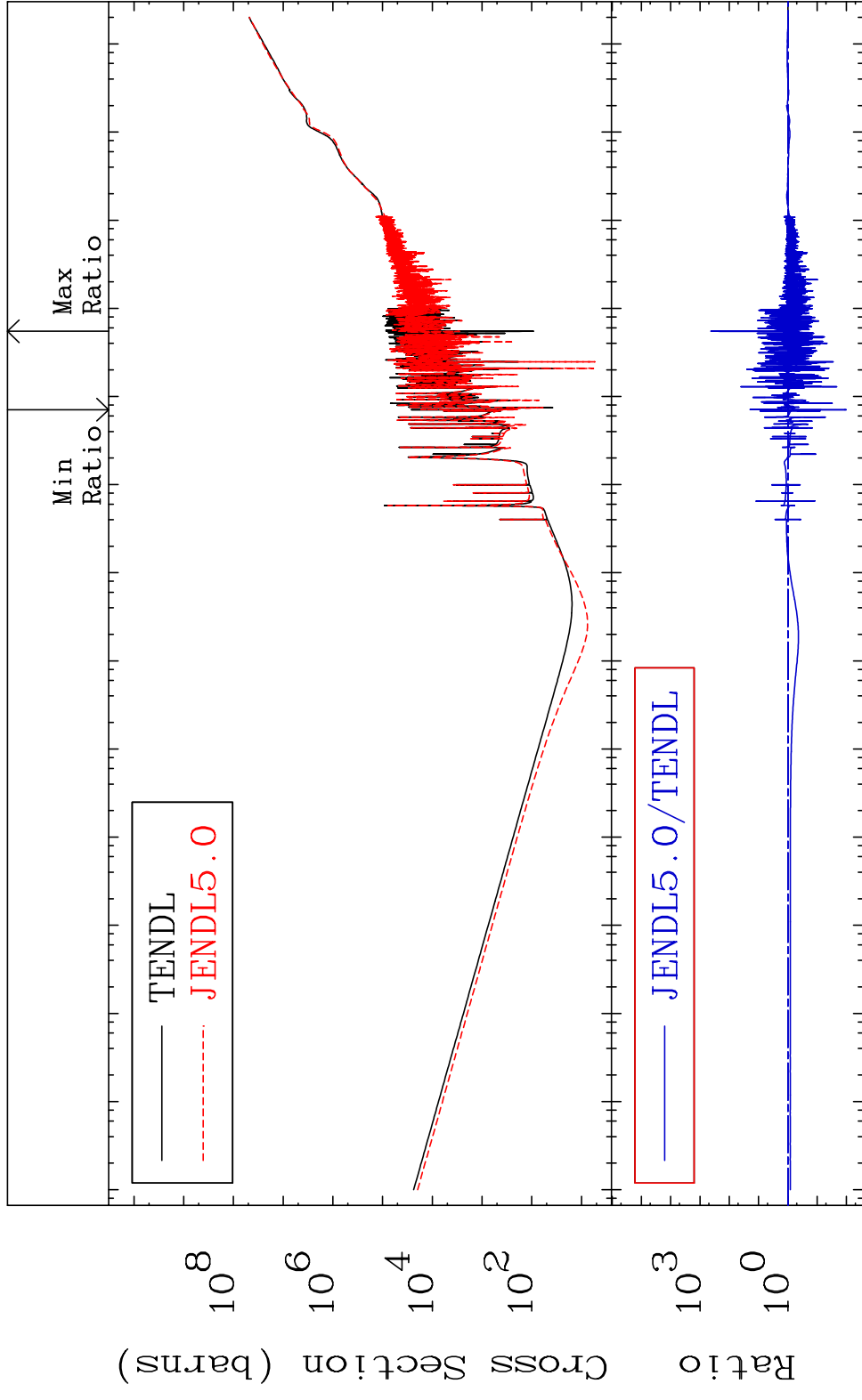
He-4 Production

29-Cu-63

Cross Section -86.64 To 535.9 %



MAT 2925 Kerma total (eV-barns) 29-Cu-63
Cross Section -98.99 To 9999. %

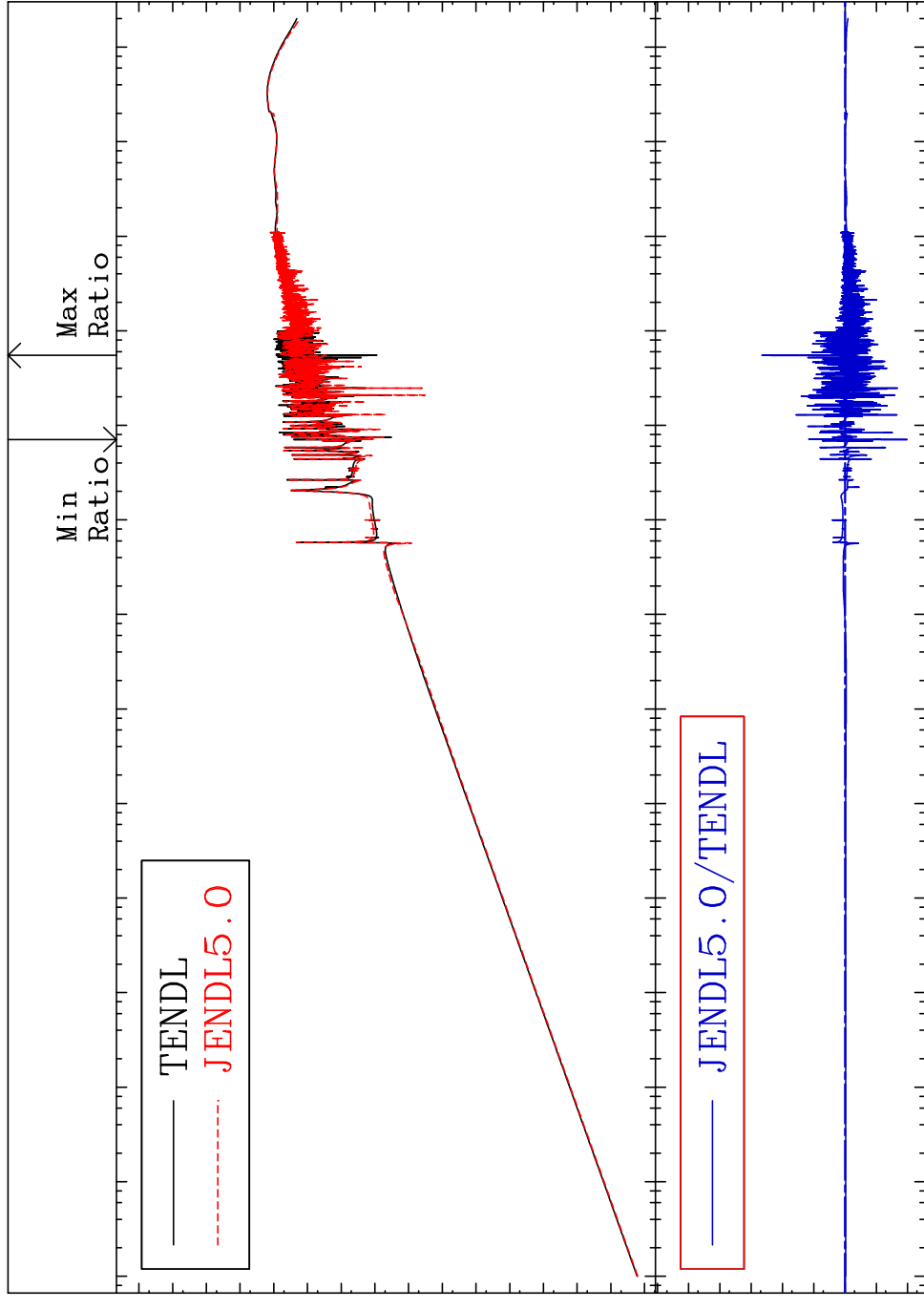


50 Incident Energy (eV) 29-Cu-63

MAT 2925

Kerma elastic
Cross Section

29-Cu-63
-98.97 To 9999. %

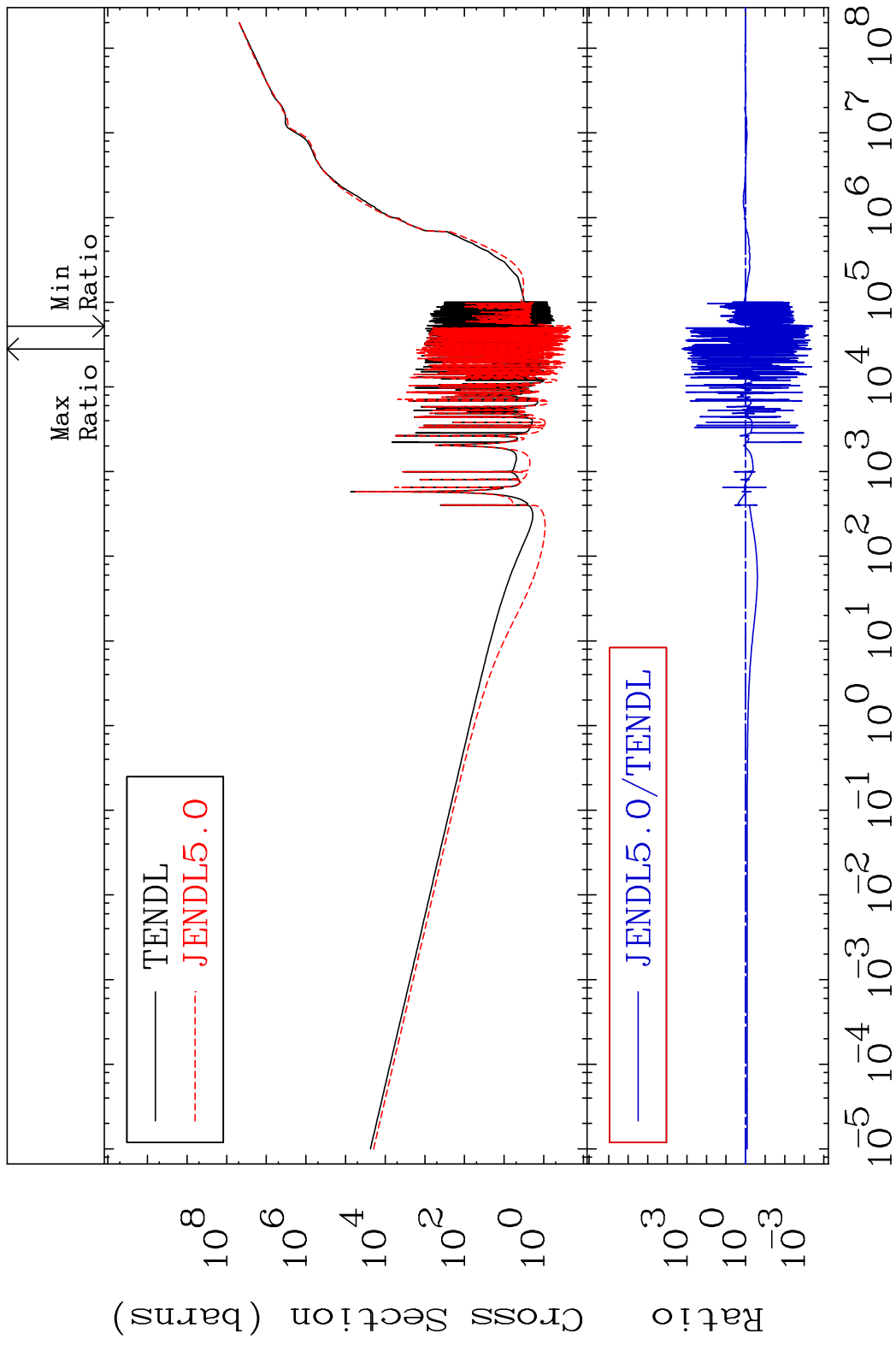


10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
Cross Section (barns)

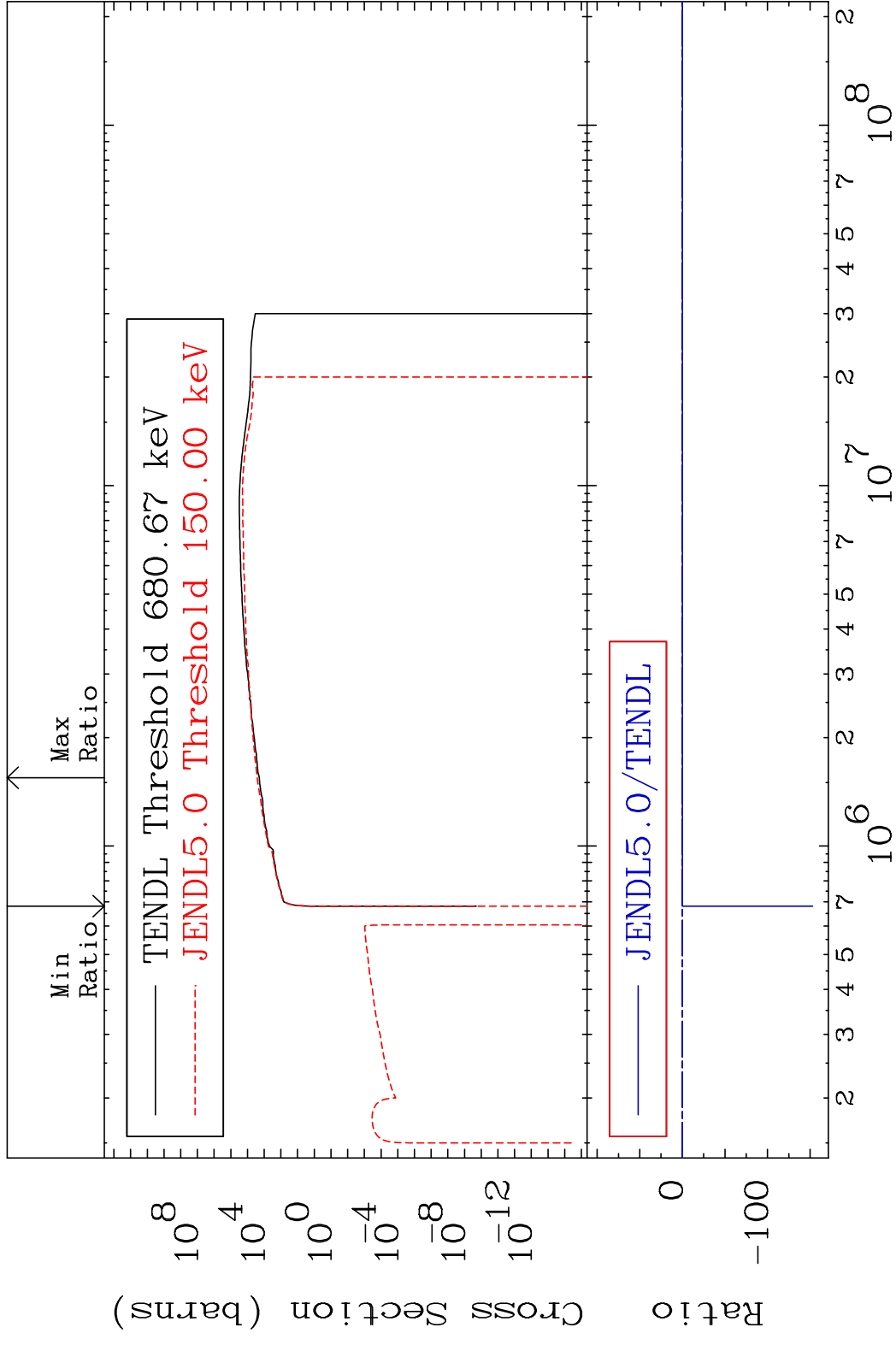
Ratio
 10^3
 10^0

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)

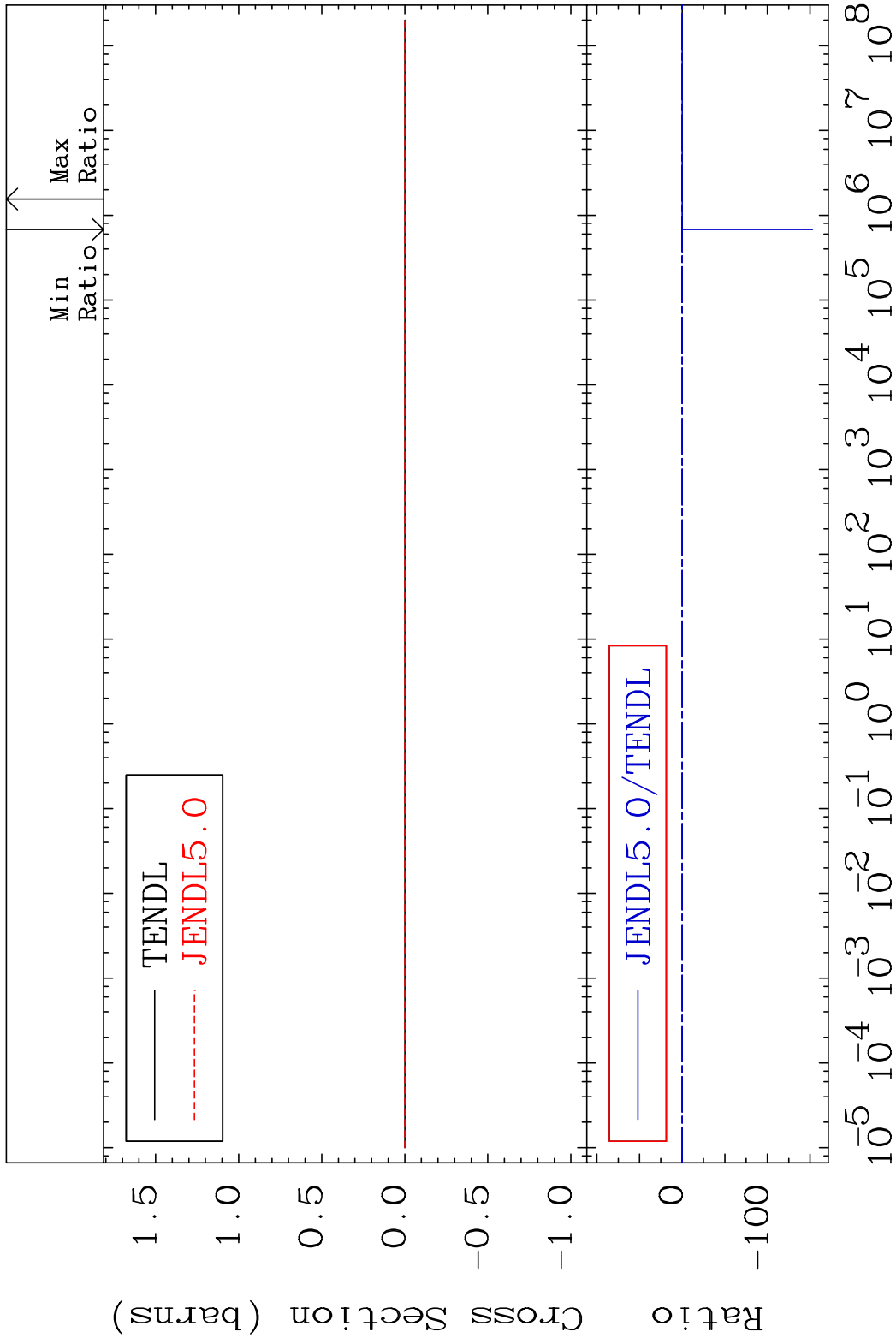
MAT 2925 Kerma non-elastic (all but mt2) 29-Cu-63
 Cross Section -99.96 To 9999. %



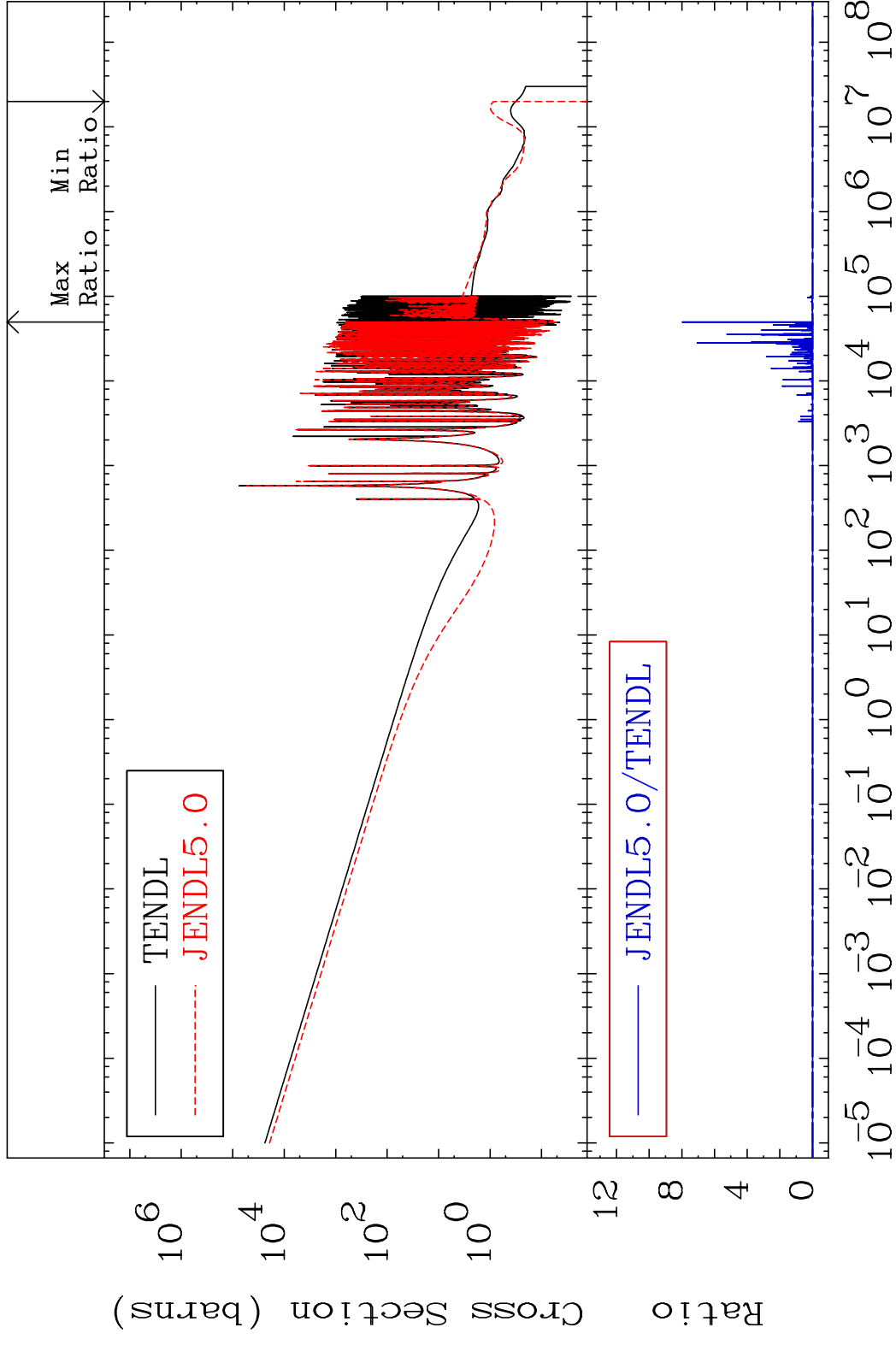
MAT 2925 Kerma inelastic (mt51-91) 29-Cu-63
 Cross Section -9999. To 32.76 %



MAT 2925 Kerma fission (mt18 or mt19-20-21-38) 29-Cu-63
 Cross Section -9999. To 32.76 %

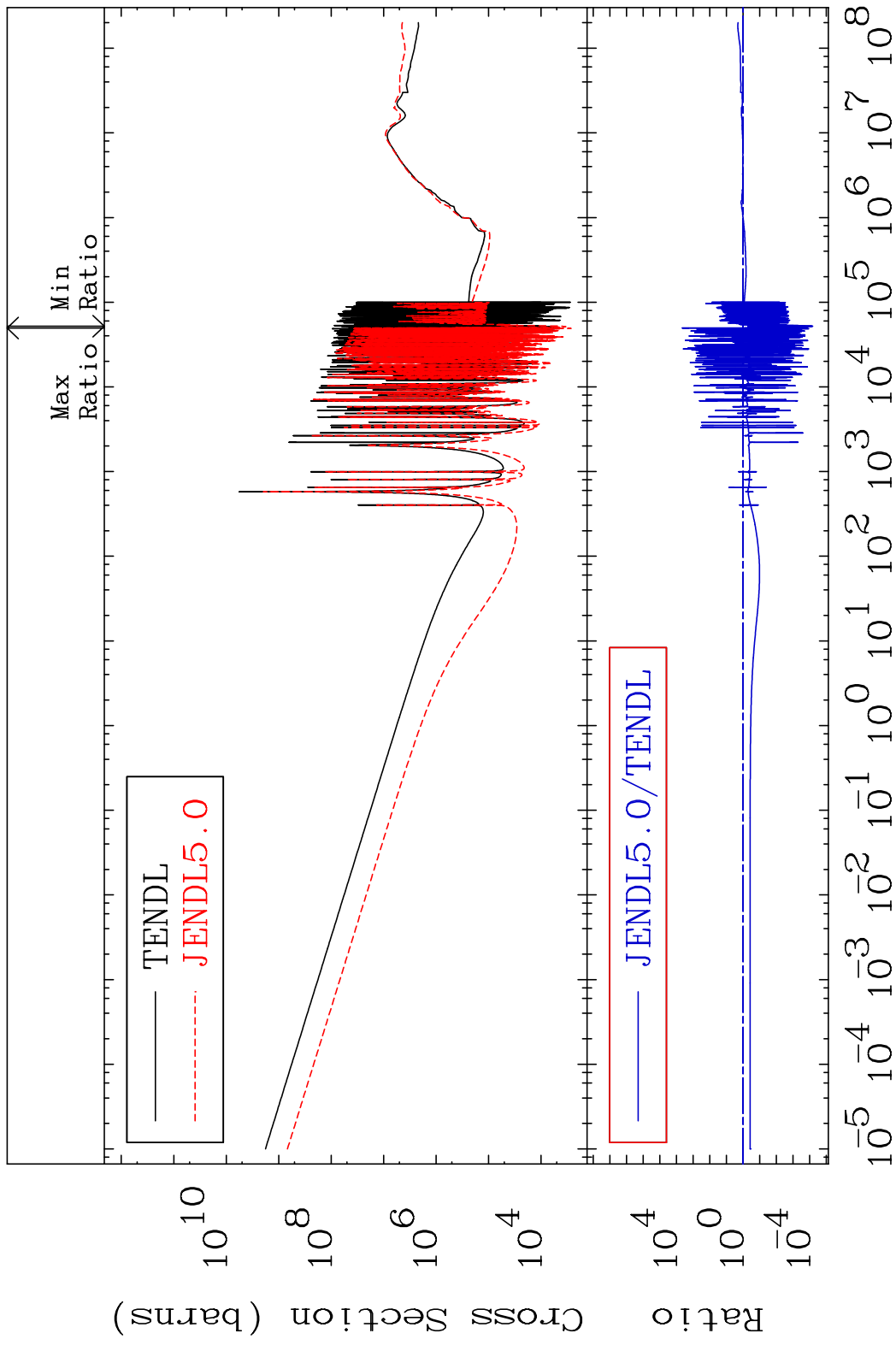


MAT 2925 Kerma capture (mt102) 29-Cu-63
Cross Section -100.0 To 9999. %



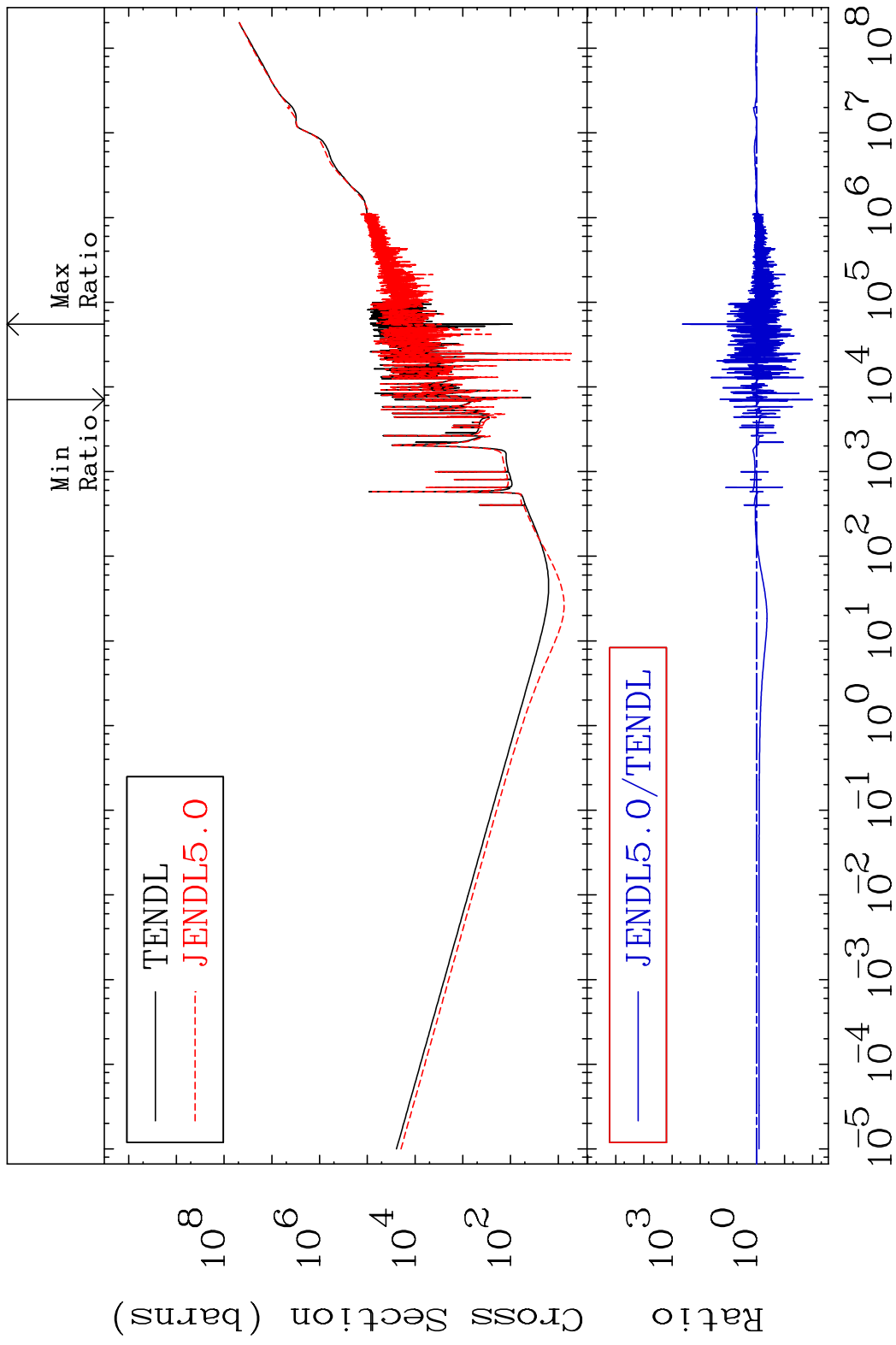
55 Incident Energy (eV) 29-Cu-63

MAT 2925 Total photon (eV-barns) 29-Cu-63
 Cross Section -99.99 To 9999. %

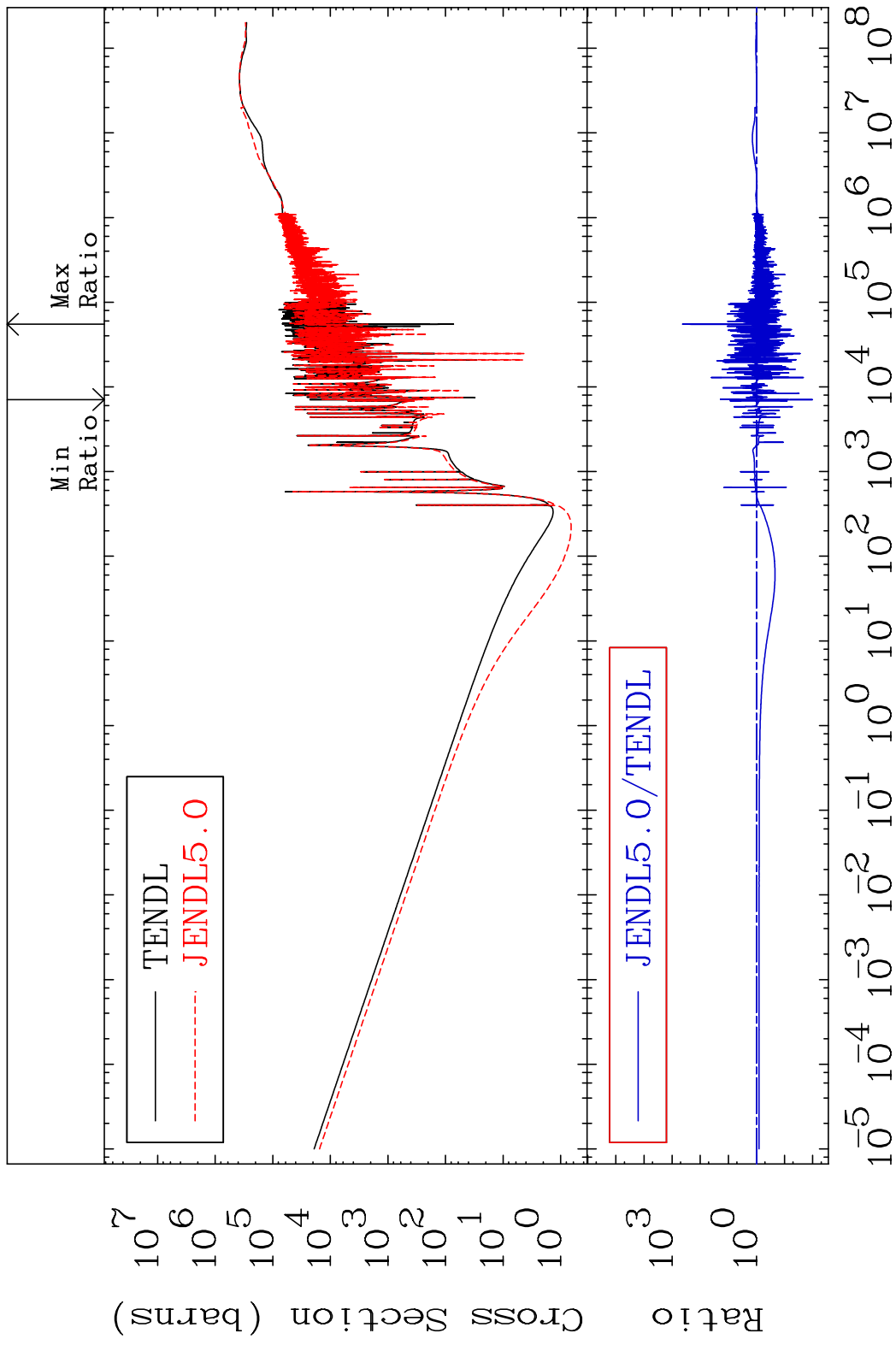


56 Incident Energy (eV) 29-Cu-63

MAT 2925 Total kinematic kerma (high limit) 29-Cu-63
 Cross Section -98.99 To 9999. %



MAT 2925 Dpa total (eV-barns) 29-Cu-63
 Cross Section -98.99 To 9999. %

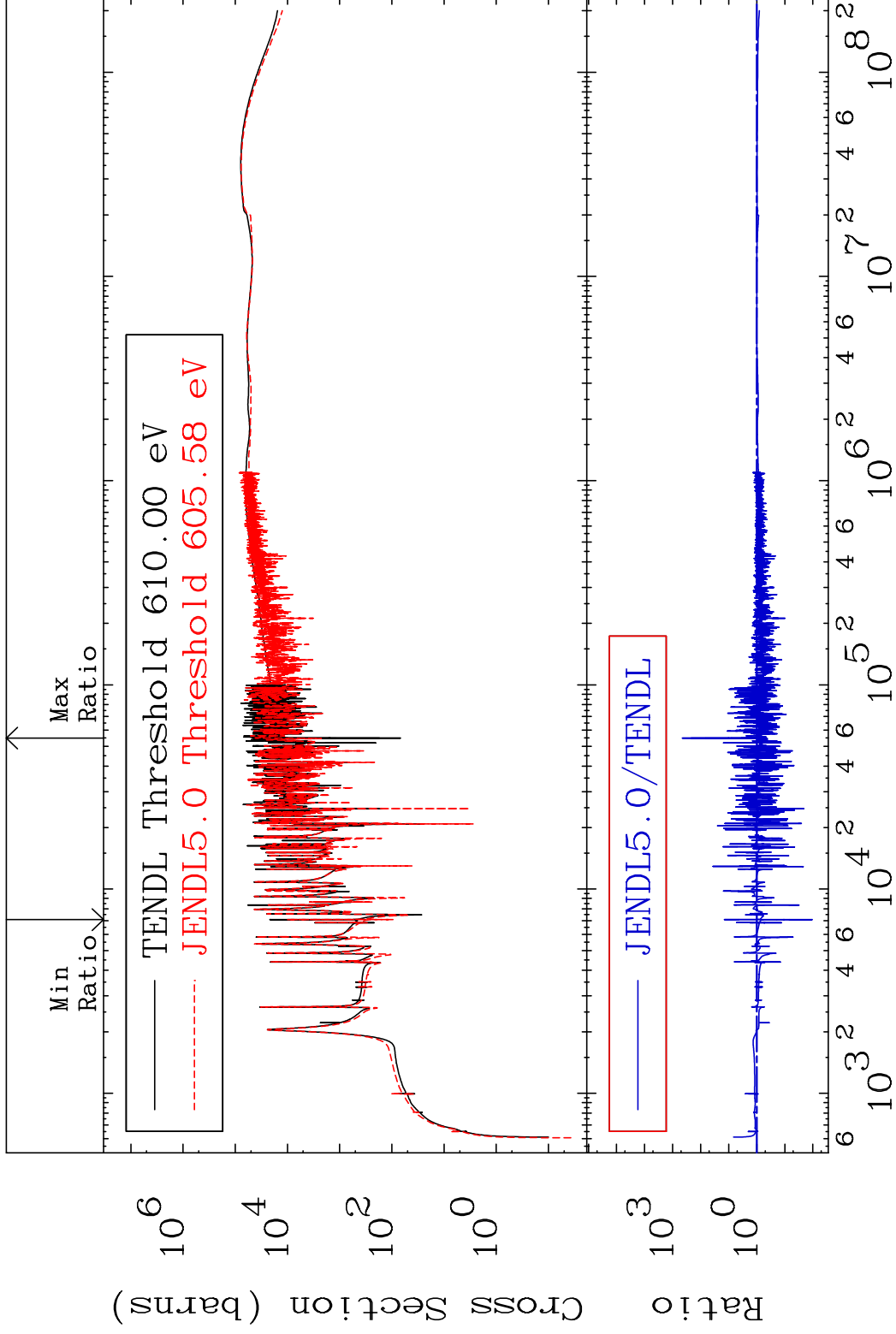


MAT 2925

Dpa elastic (mt2)

29-Cu-63

Cross Section -98.97 To 9999. %

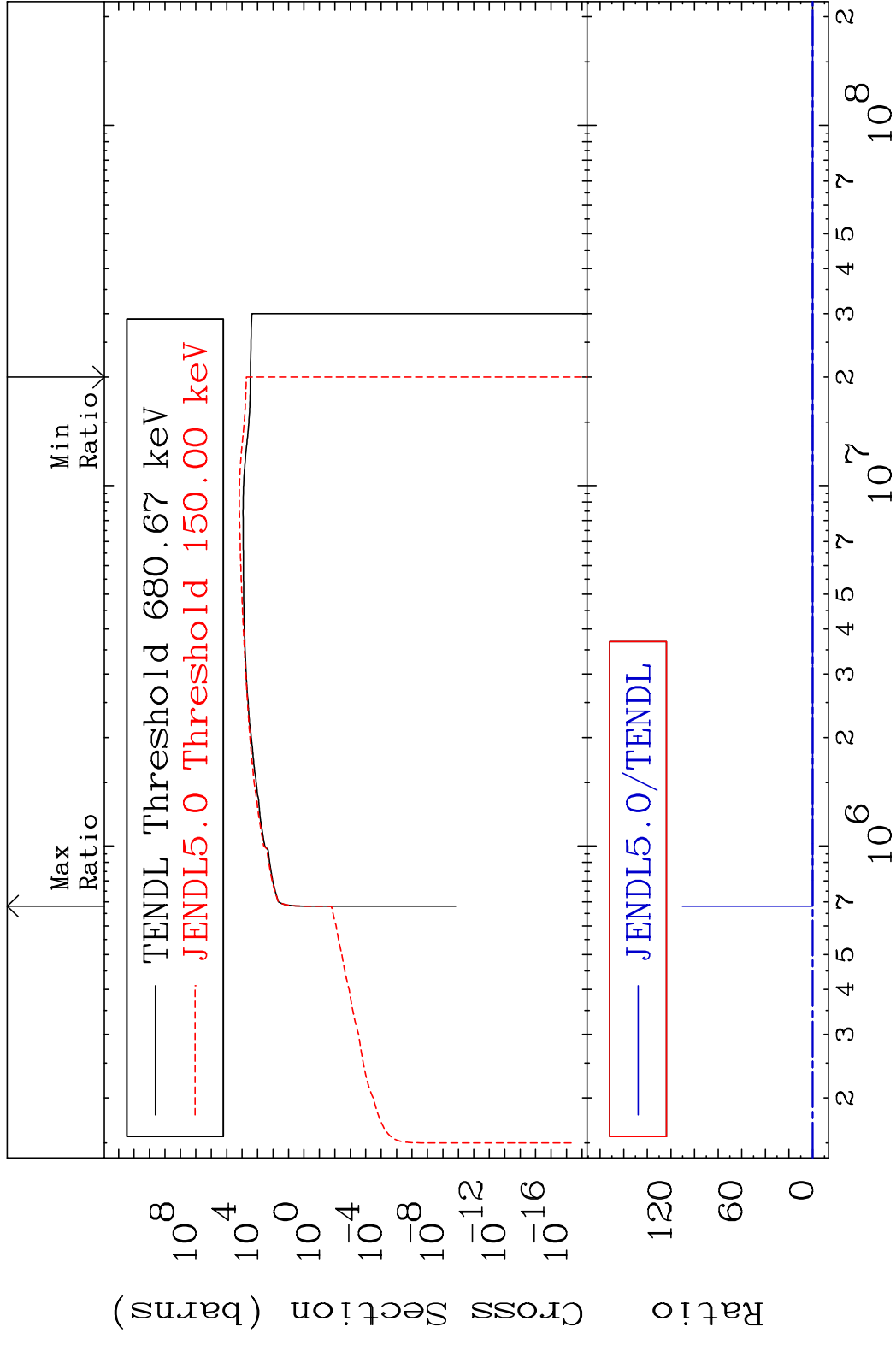


59

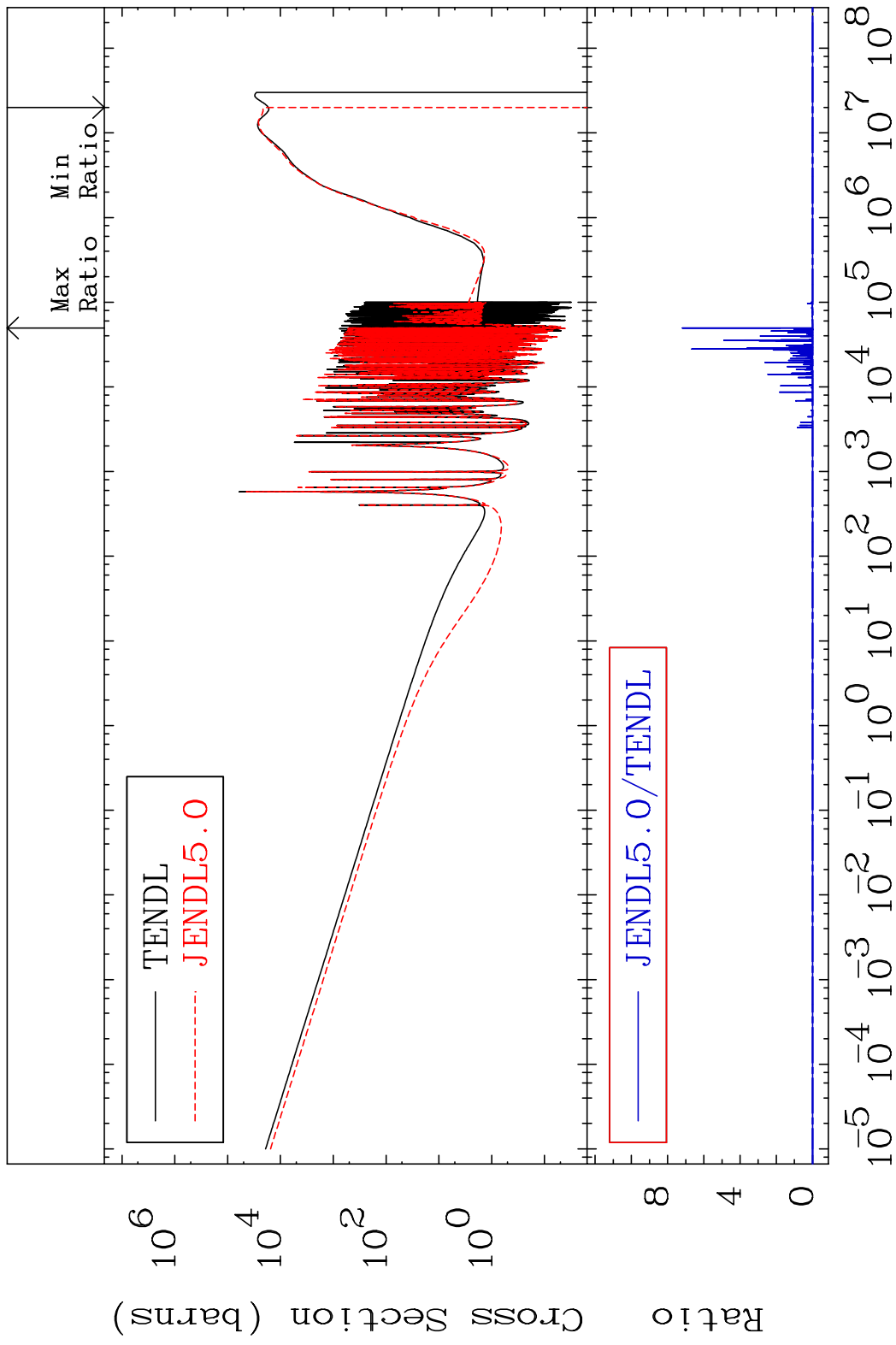
Incident Energy (eV)

29-Cu-63

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

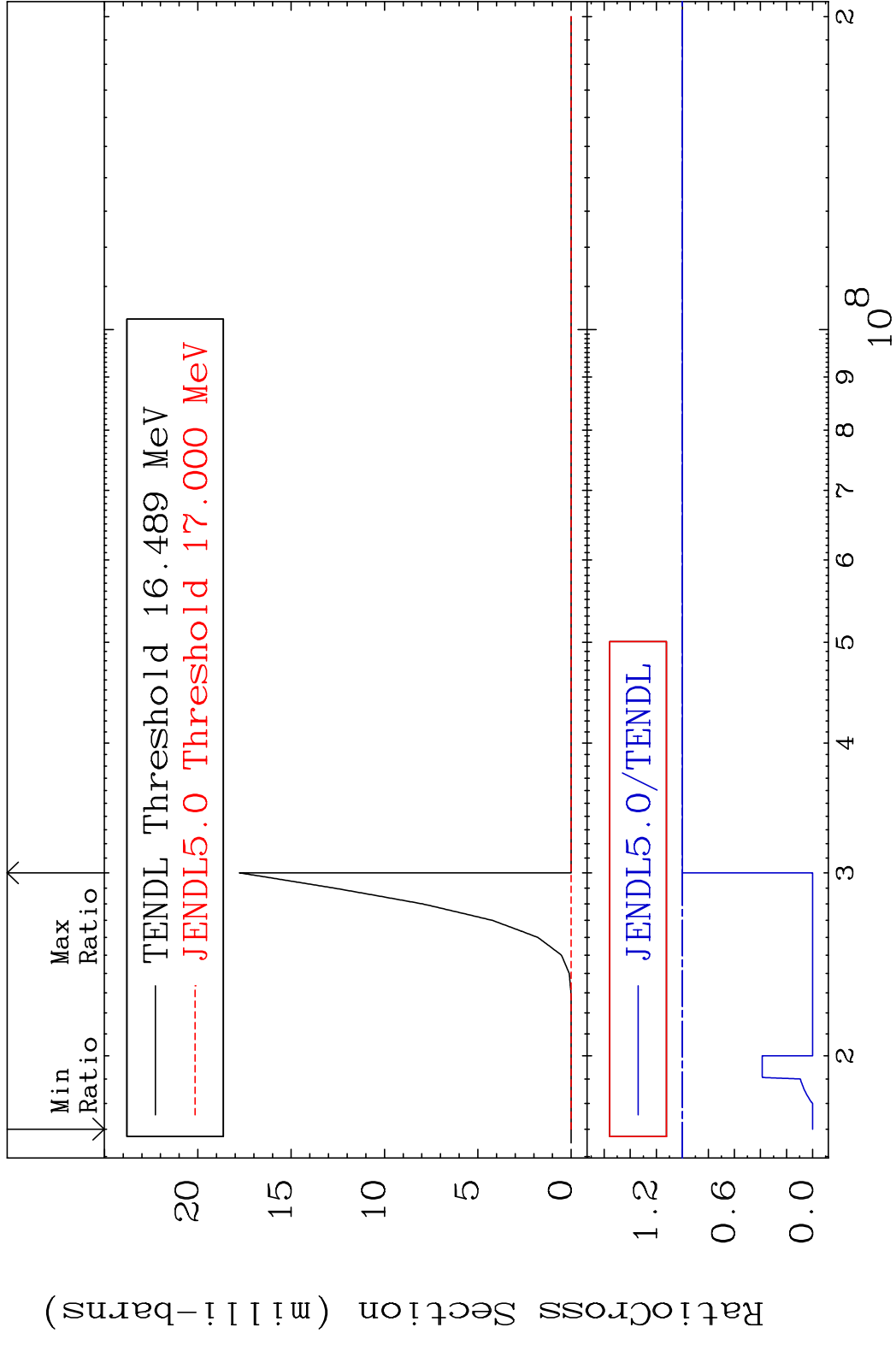


MAT 2925 Dpa disappearance (mt102 -120) 29-Cu-63
 Cross Section -100.0 To 9999. %

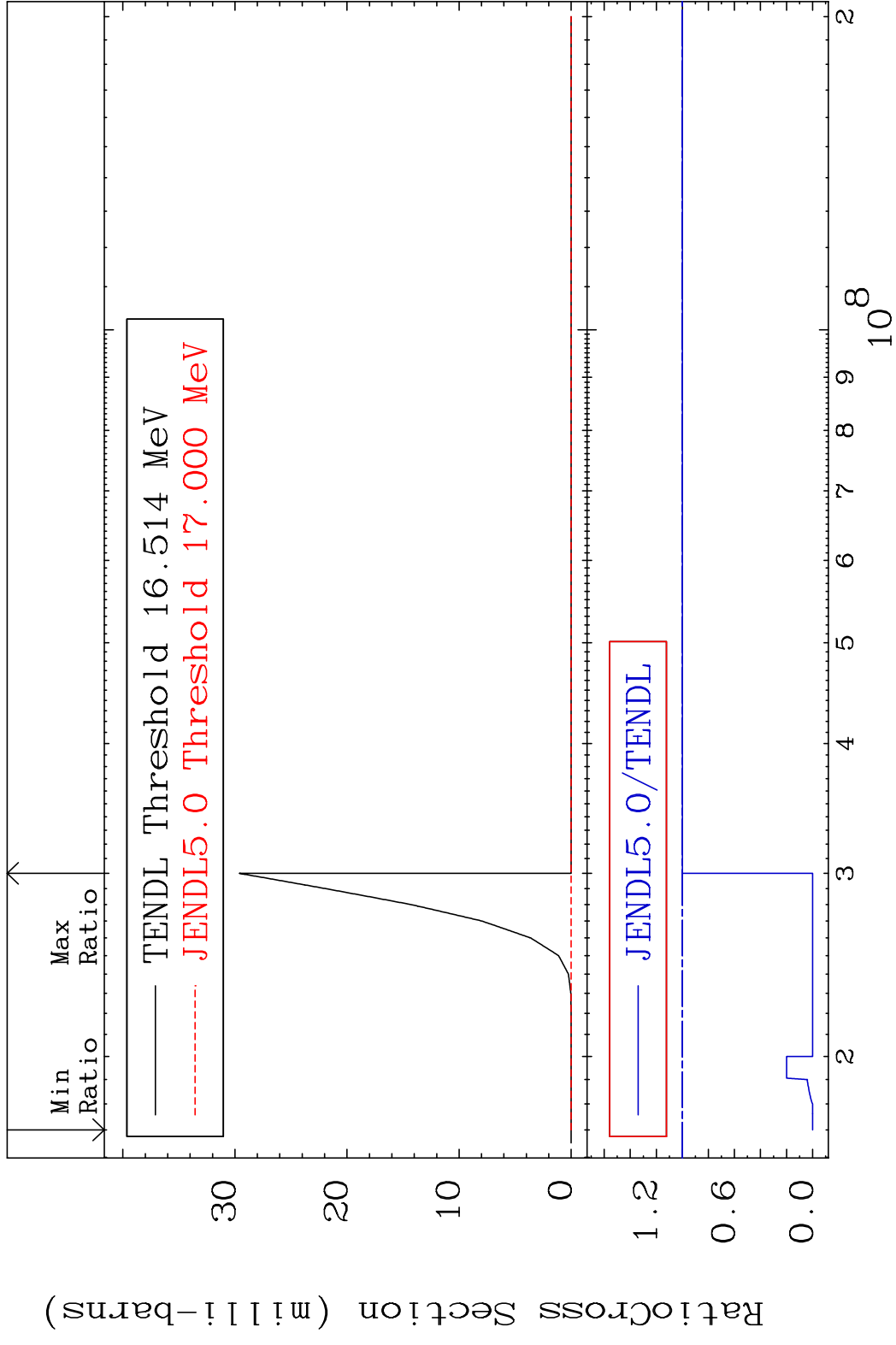


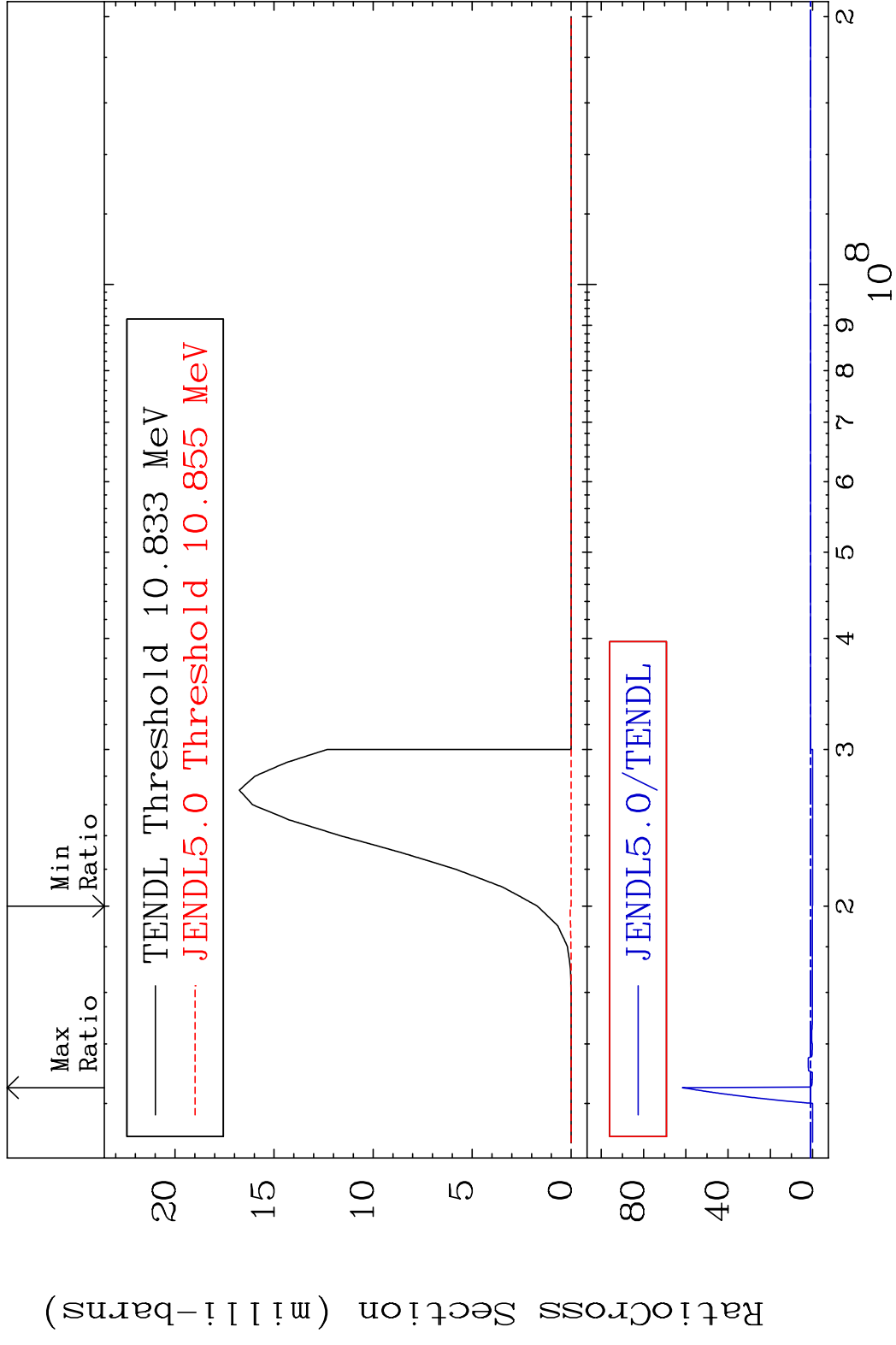
61 Incident Energy (eV) 29-Cu-63

MAT 2925 (n,2n) α :27-Co-58g 29-Cu-63
 Radionuclide Production Cross Section Ratio 0.000 %

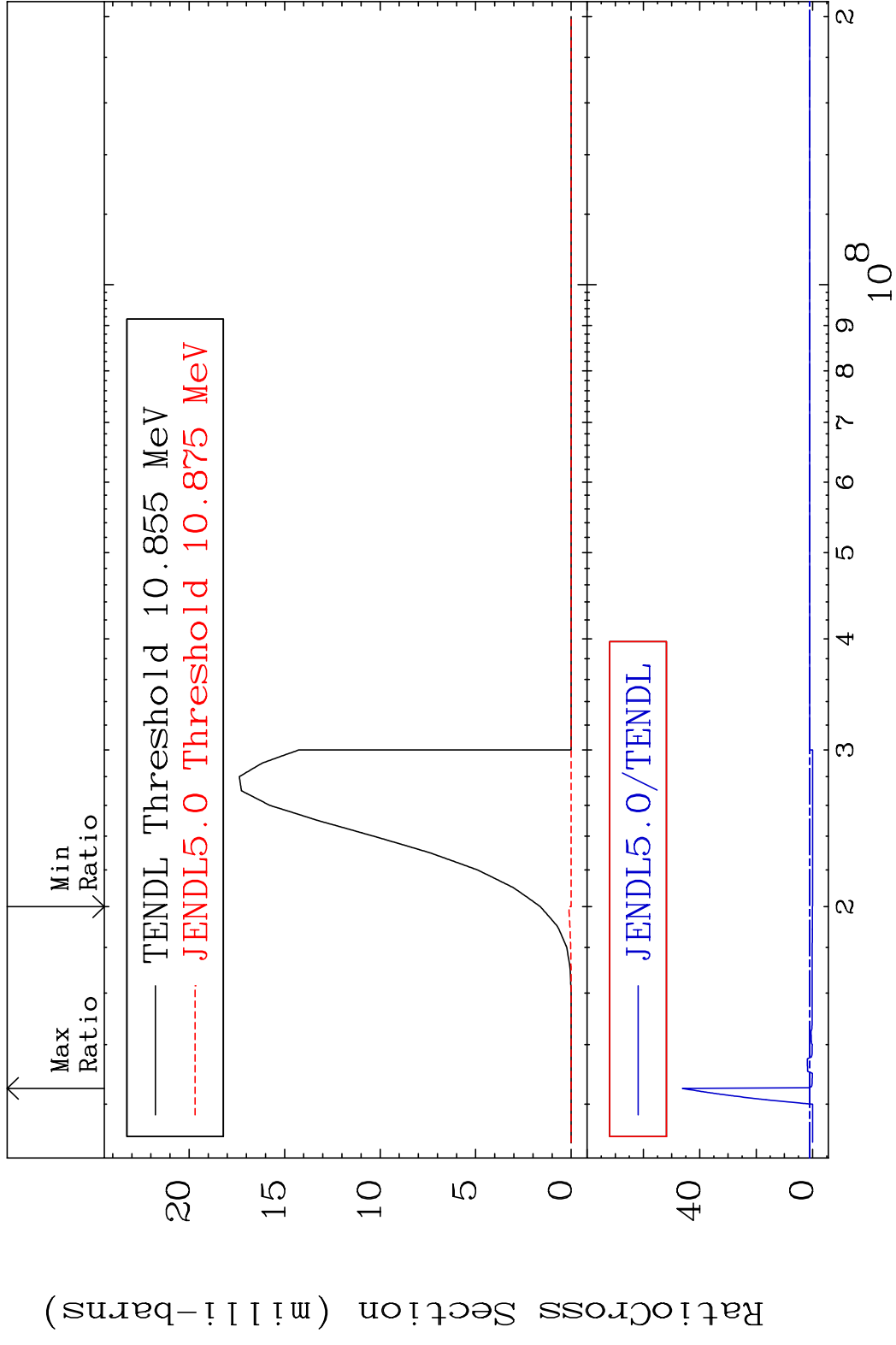


MAT 2925 (n,2n) α :27-Co-58m1 29-Cu-63
 Radionuclide Production Cross Section Ratio 0.000 %

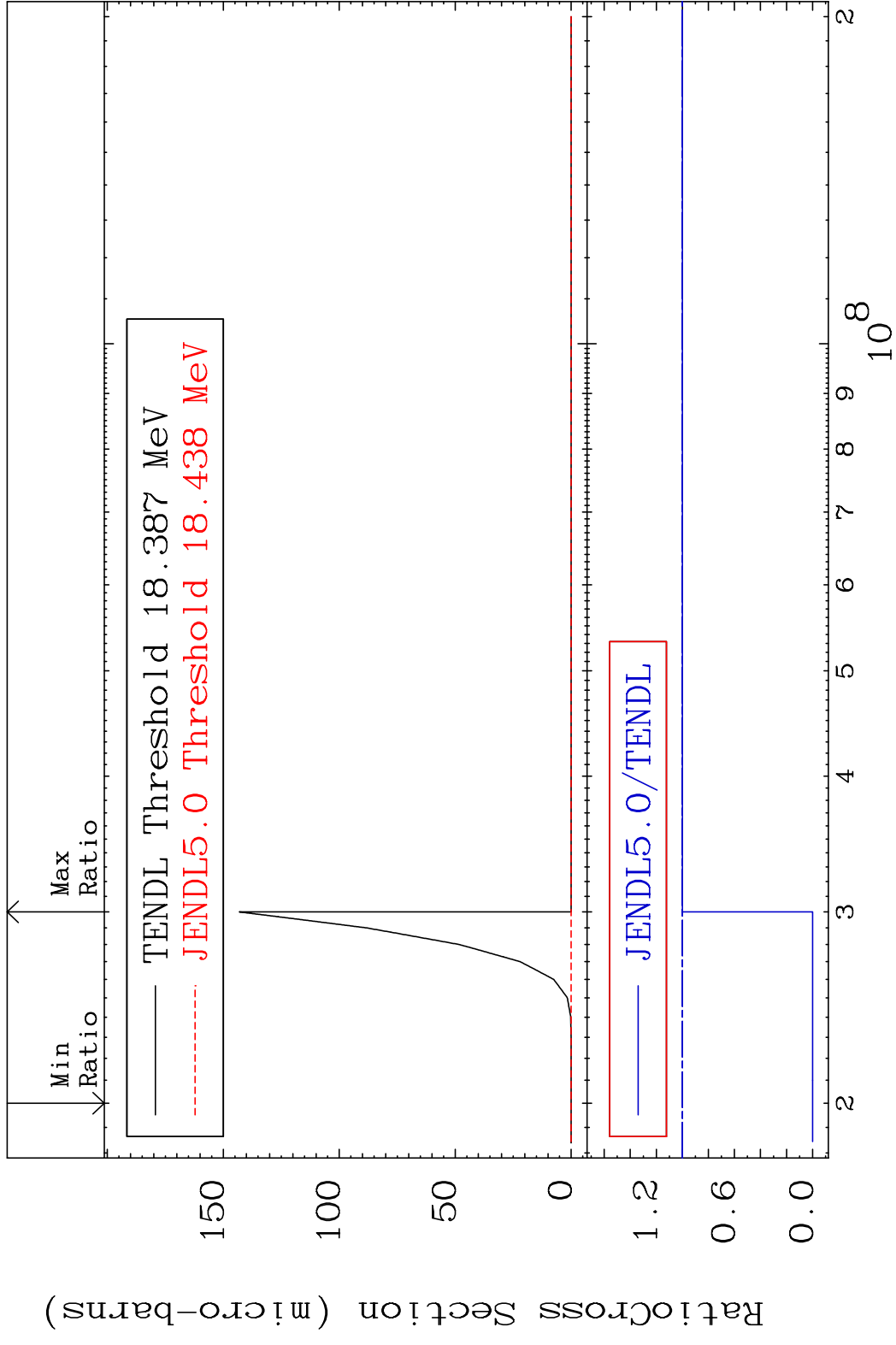




MAT 2925 (n,2p):27-Co-62m1 29-Cu-63
 Radionuclide Production Cross Section 1800.0 dno 4520. %



MAT 2925 (n,p) t:27-Co-60g 29-Cu-63
 Radionuclide Production Cross Section 18.438 MeV 0.000 %



MAT 2925 (n,p) t:27-Co-60m1 29-Cu-63
 Radionuclide Production Cross Section 18.446 MeV 0.000 %

