

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

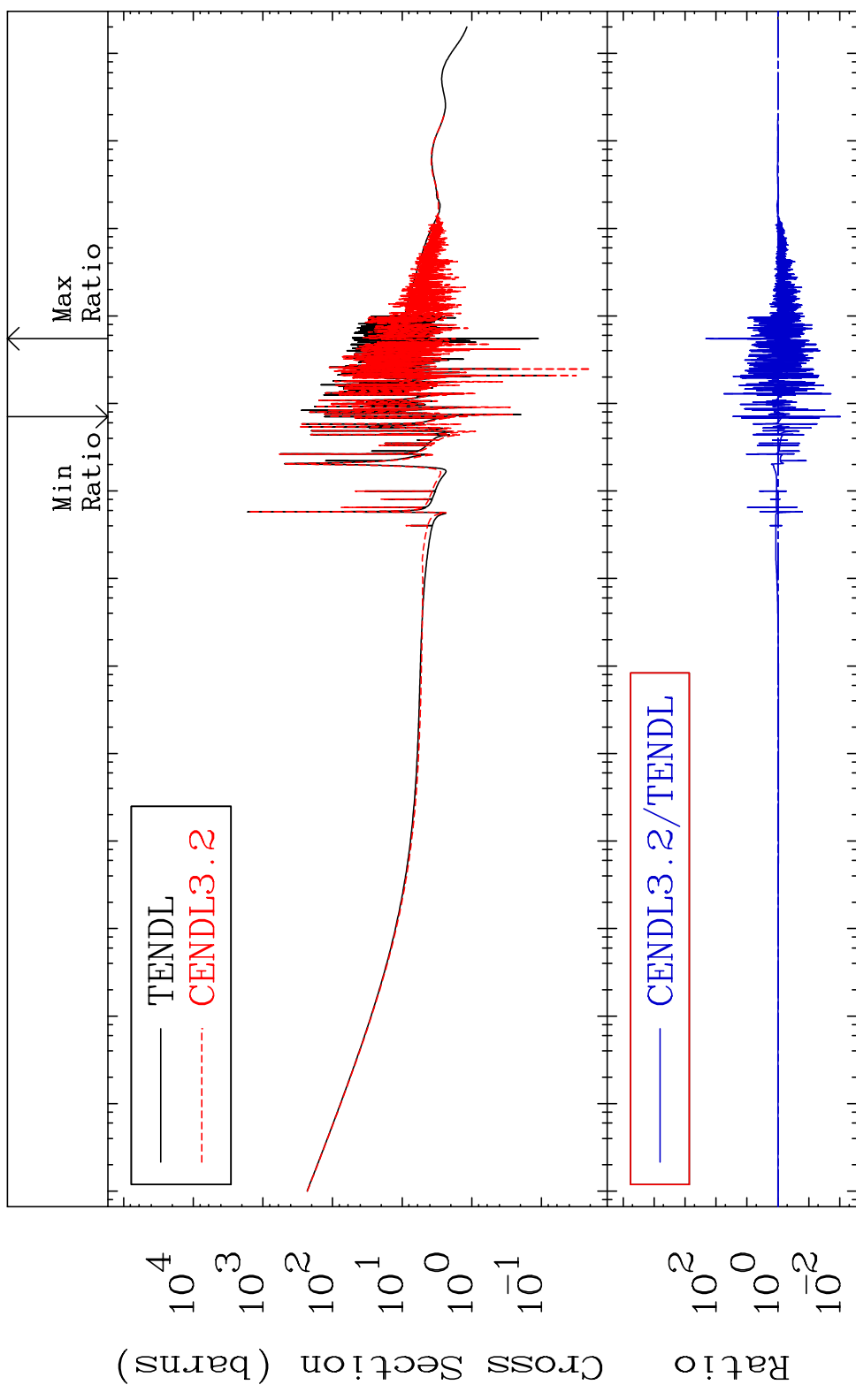
MAT 2925

Total

29-Cu-63

Cross Section

-99.05 To 9999. %



1

Incident Energy (eV)

29-Cu-63

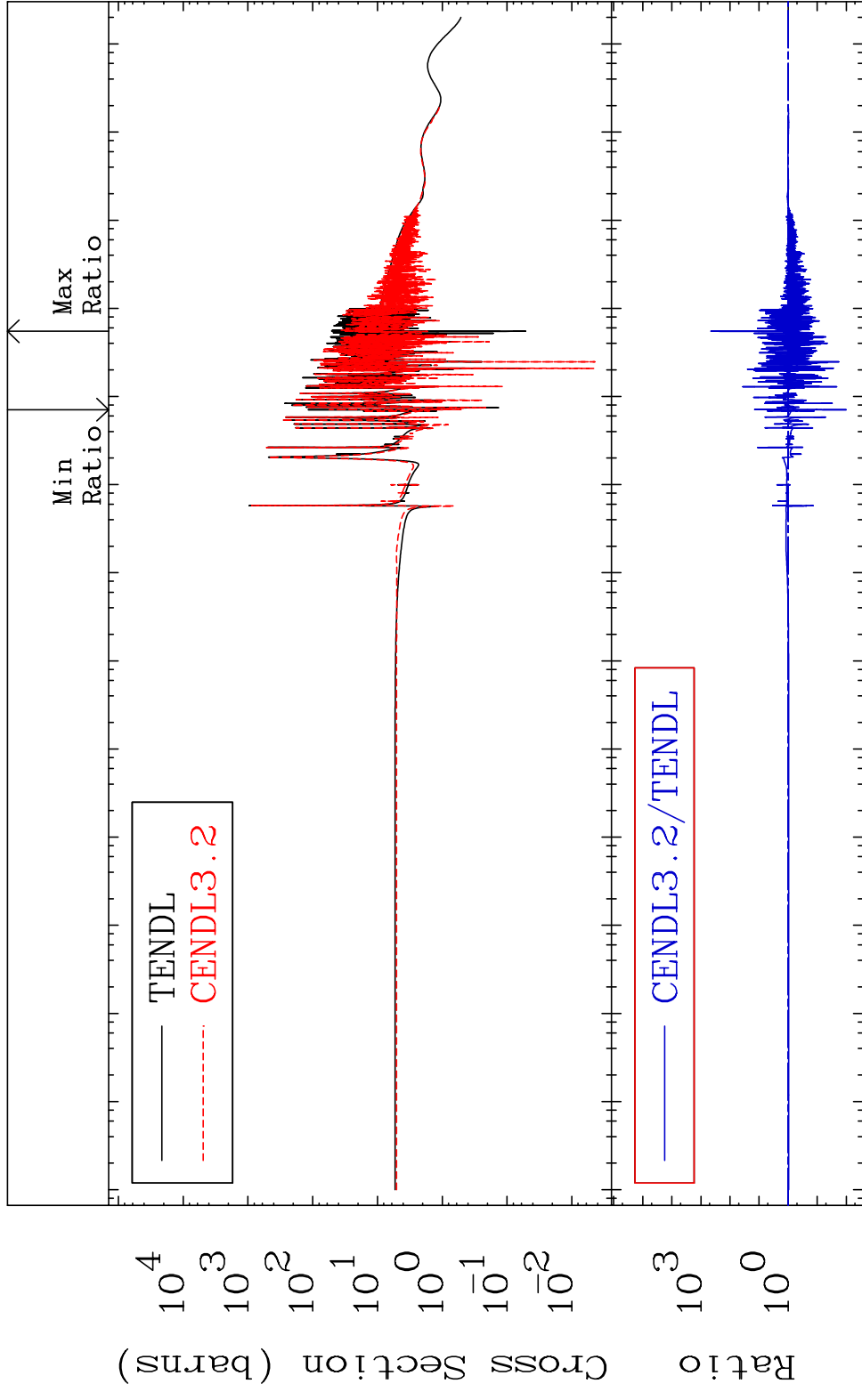
MAT 2925

Elastic

29-Cu-63

Cross Section

-99.00 To 9999. %



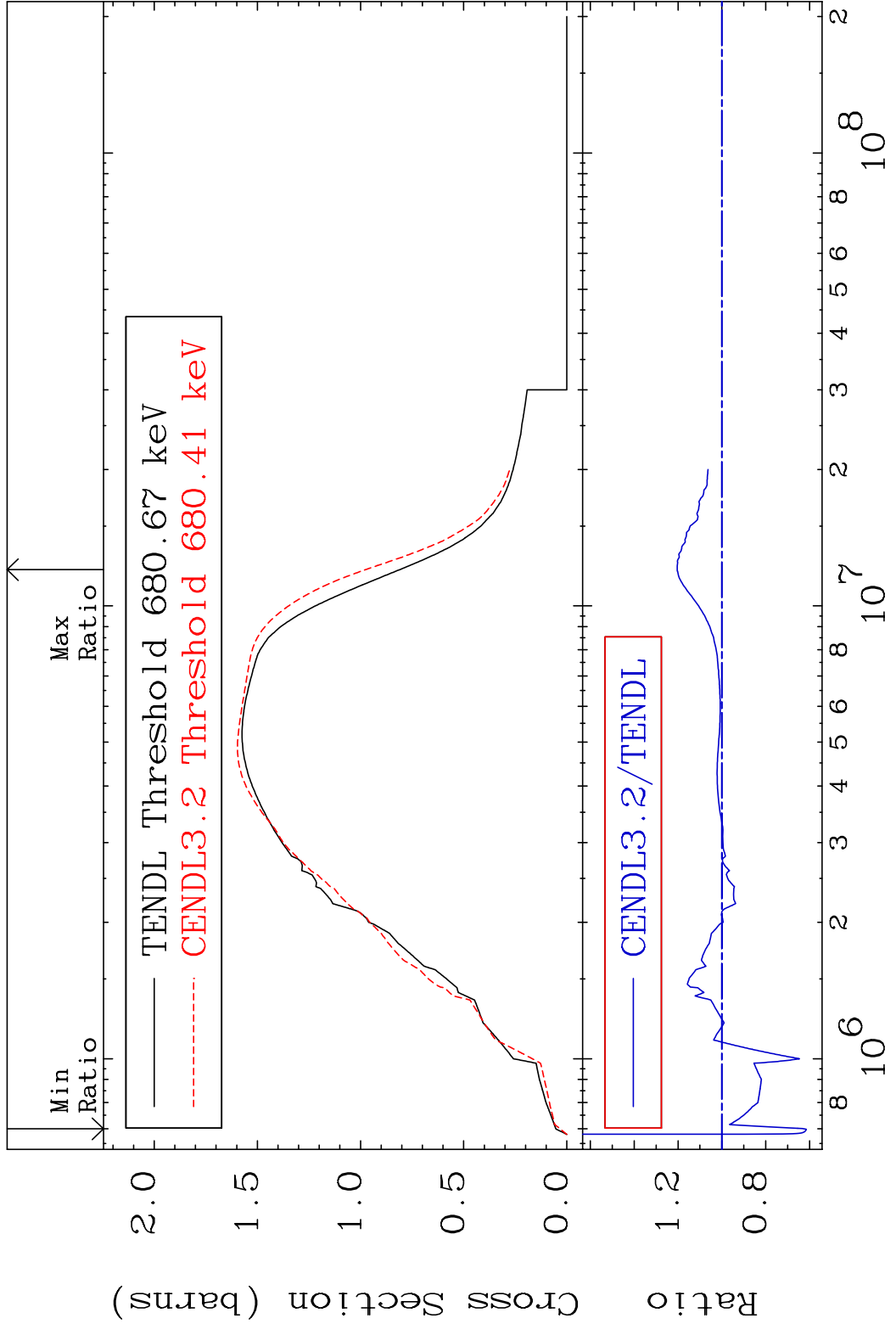
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

29-Cu-63

MAT 2925 Inelastic 29-Cu-63
 Cross Section -38.58 To 20.39 %



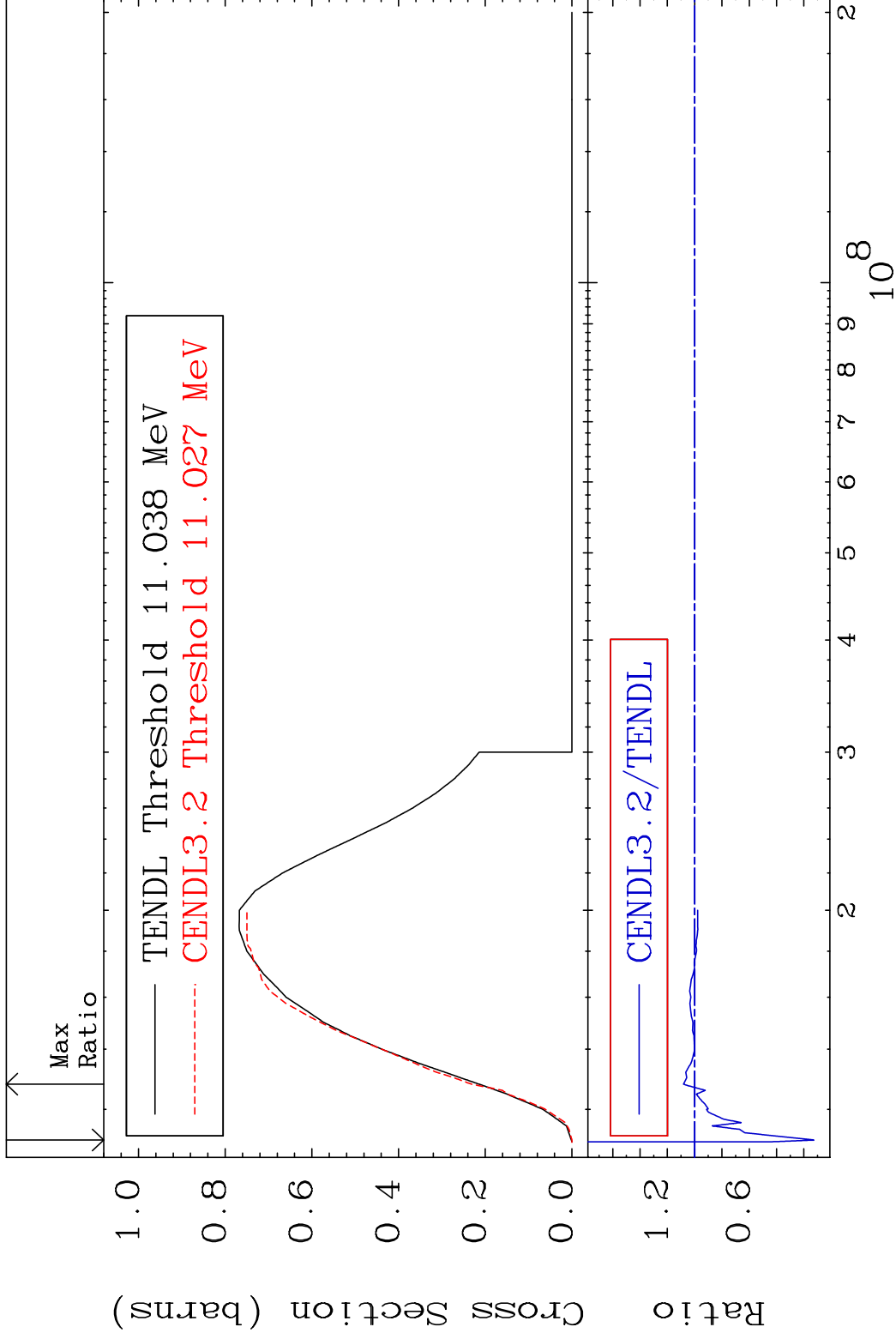
3 Incident Energy (eV) 29-Cu-63

MAT 2925

(n,2n)

29-Cu-63

Cross Section -87.45 To 8.194 %

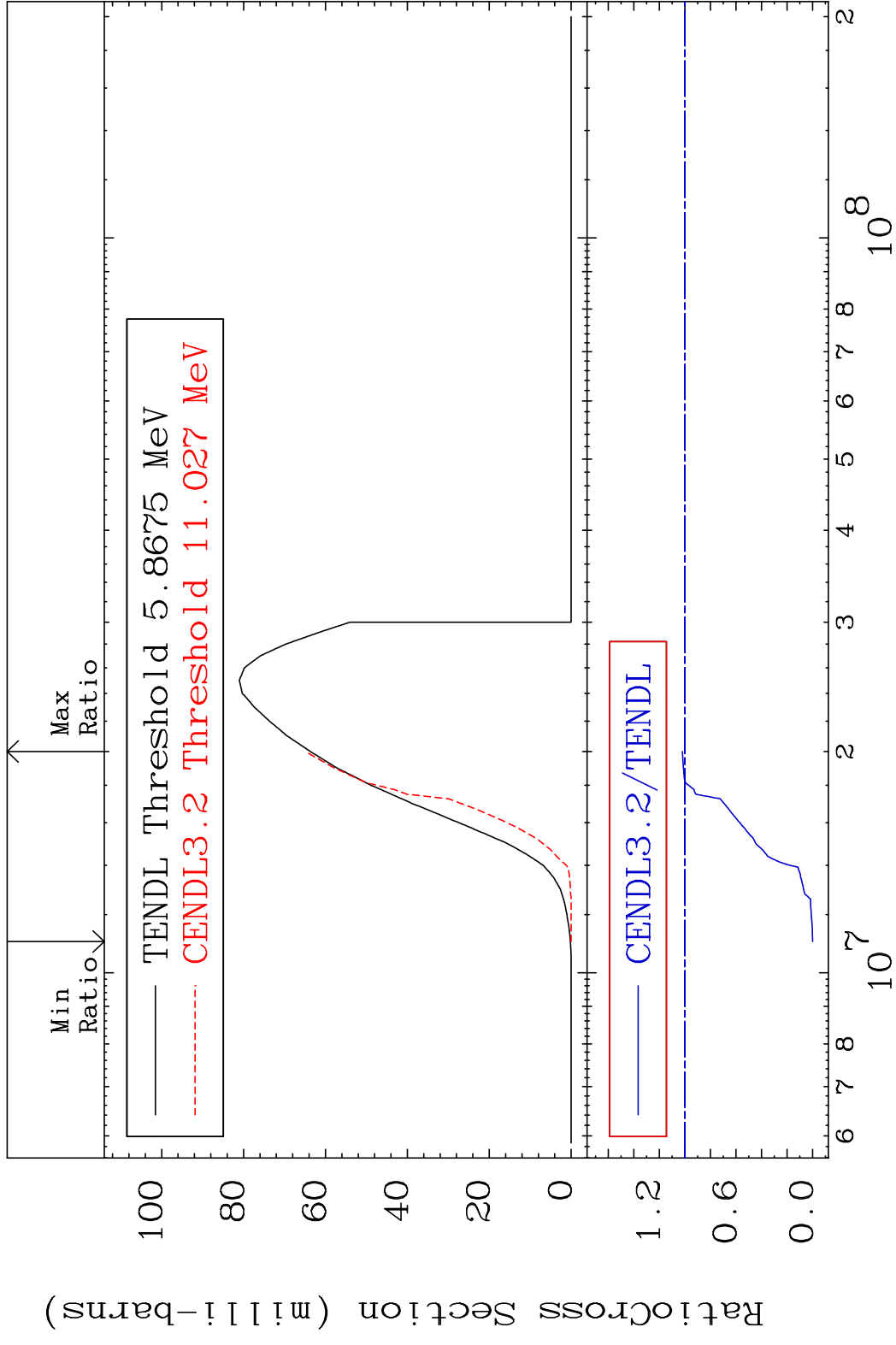


4

Incident Energy (eV)

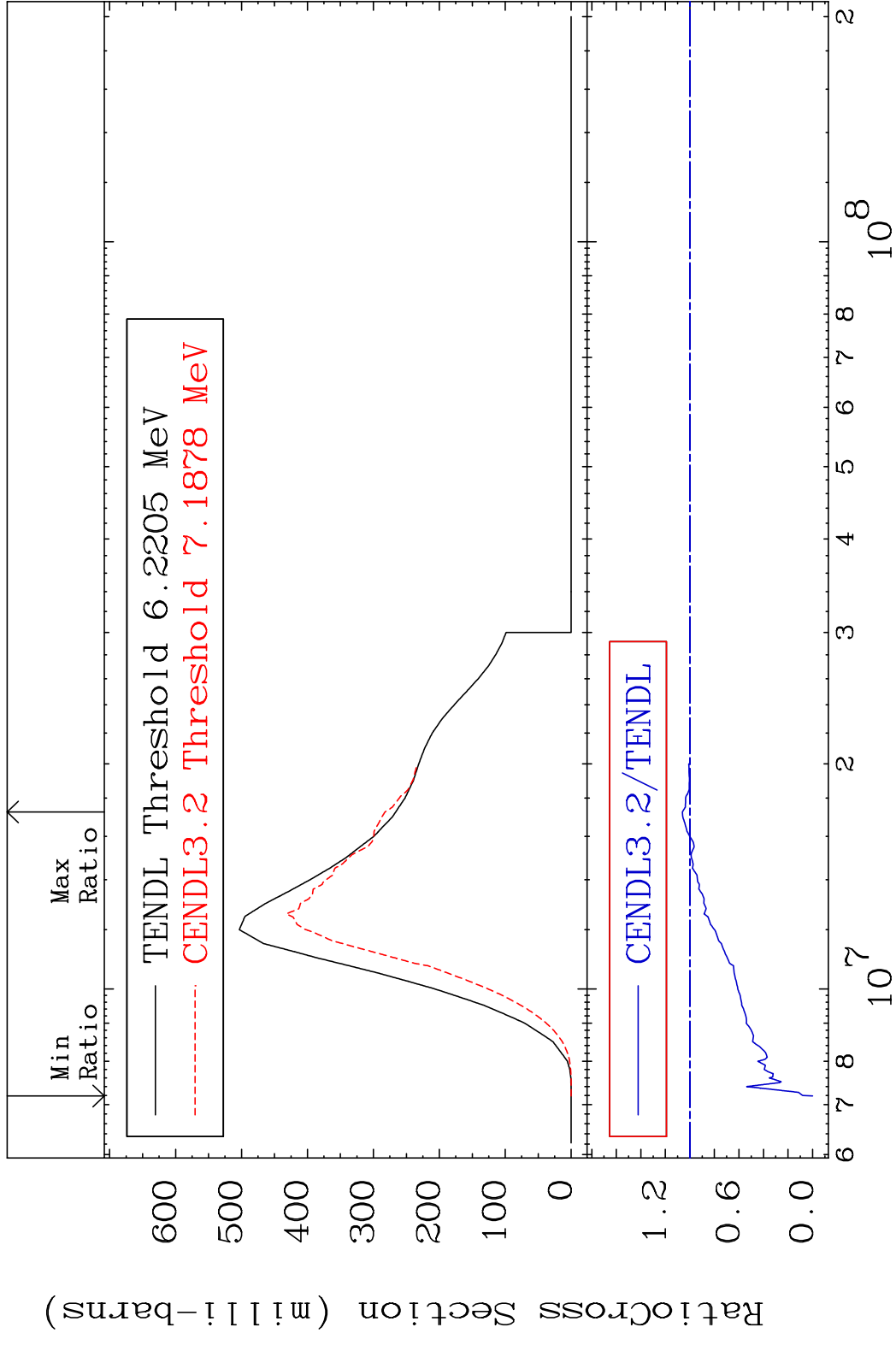
29-Cu-63

MAT 2925 (n, n') α 29-Cu-63
 Cross Section -100.0 To 1.960 %



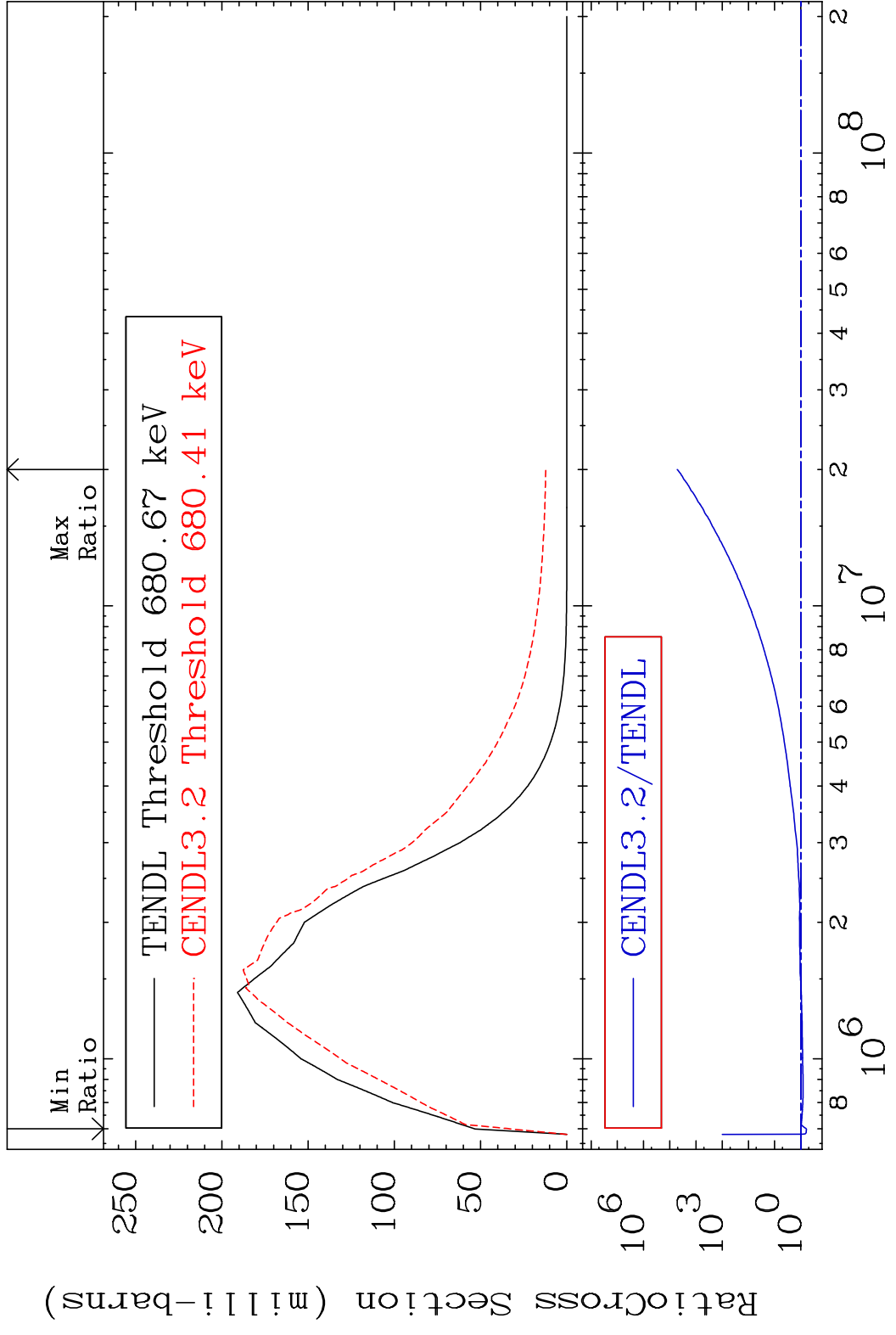
5 29-Cu-63

MAT 2925 (n, n') p 29-Cu-63
 Cross Section -100.0 To 6.140 %

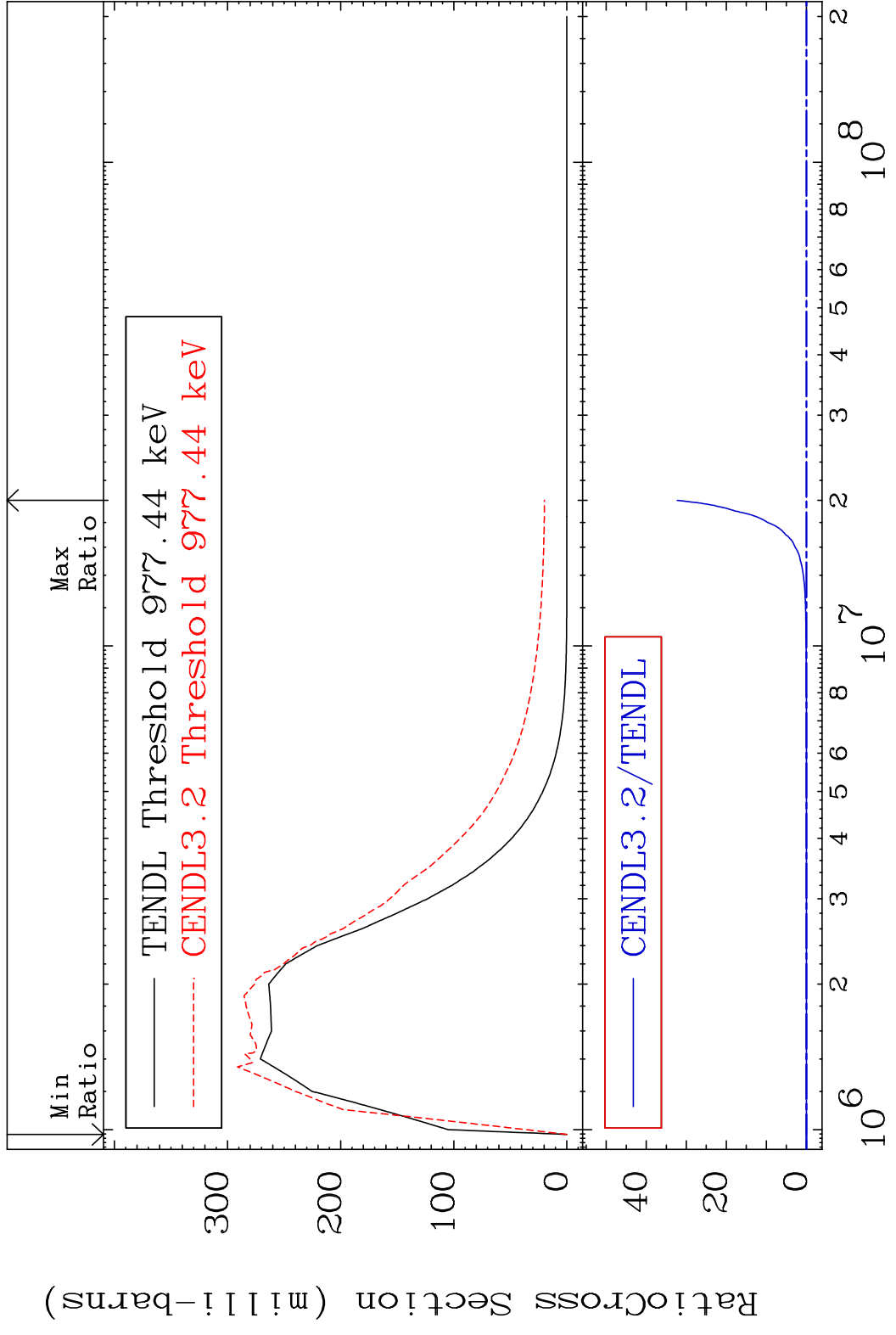


6 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 29-Cu-63

MAT 2925 MT= 51 (n, n') Level 29-Cu-63
 Cross Section -38.58 To 9999. %

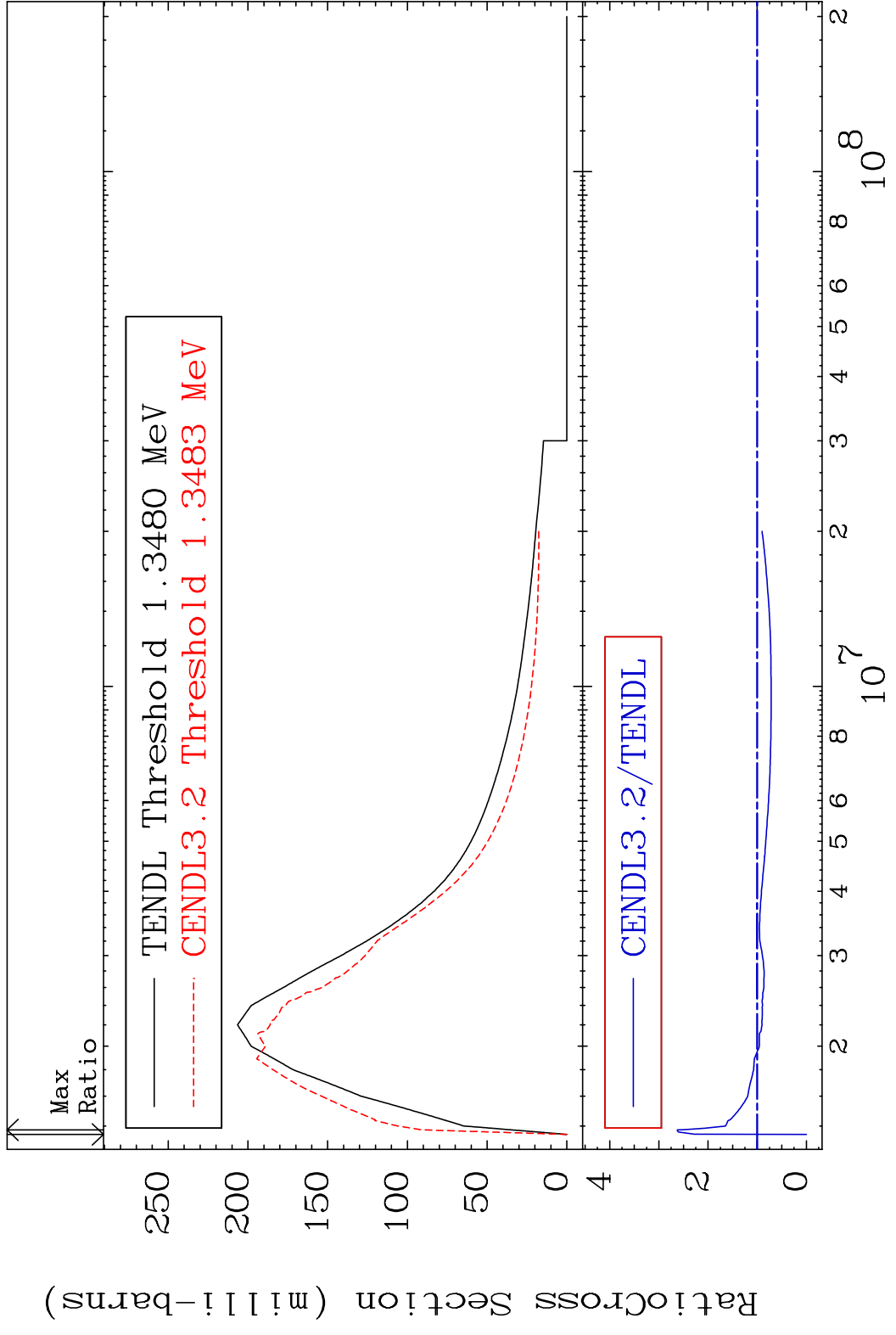


MAT 2925 MT= 52 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

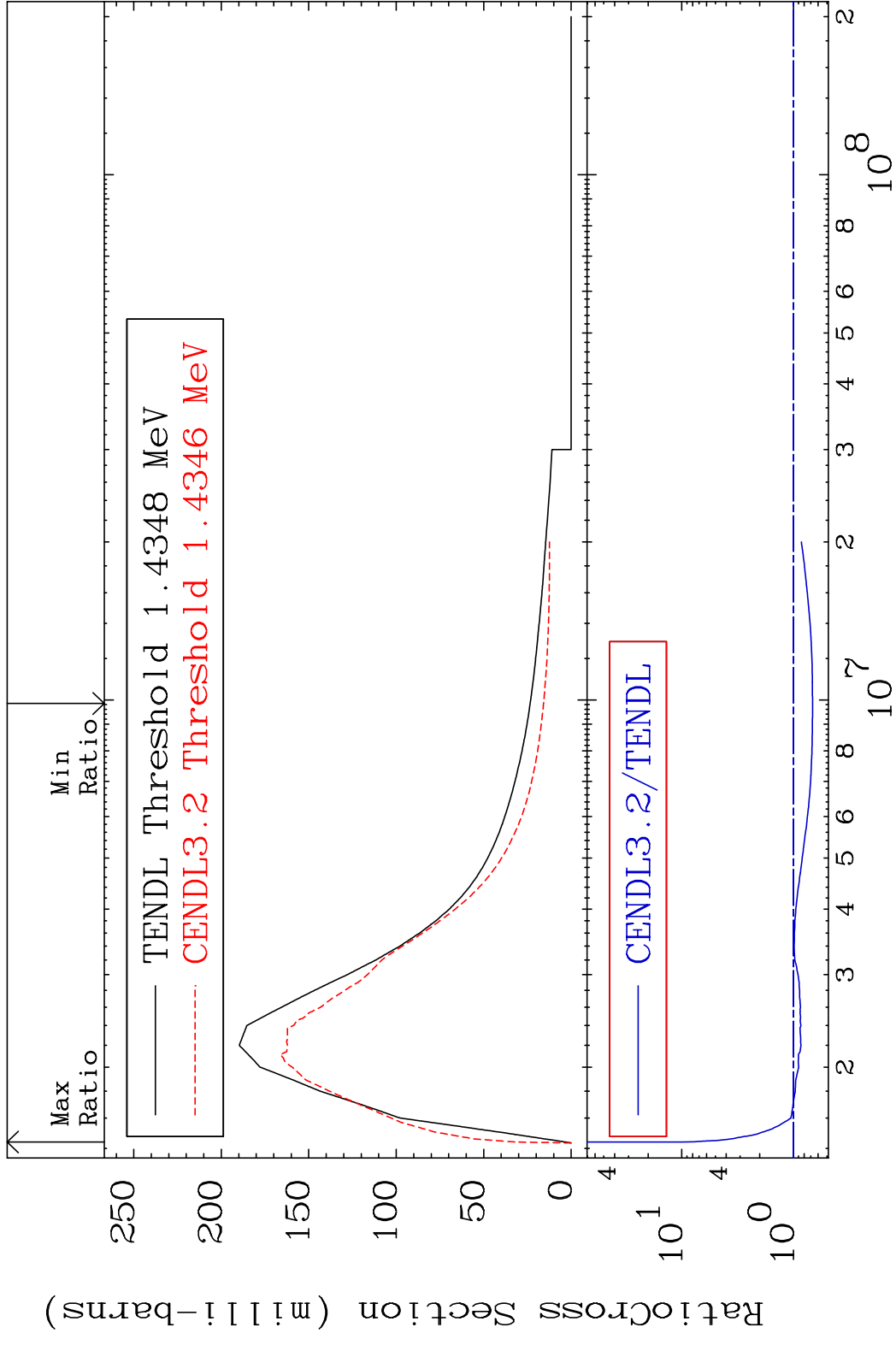


8 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 53 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 162.7 %

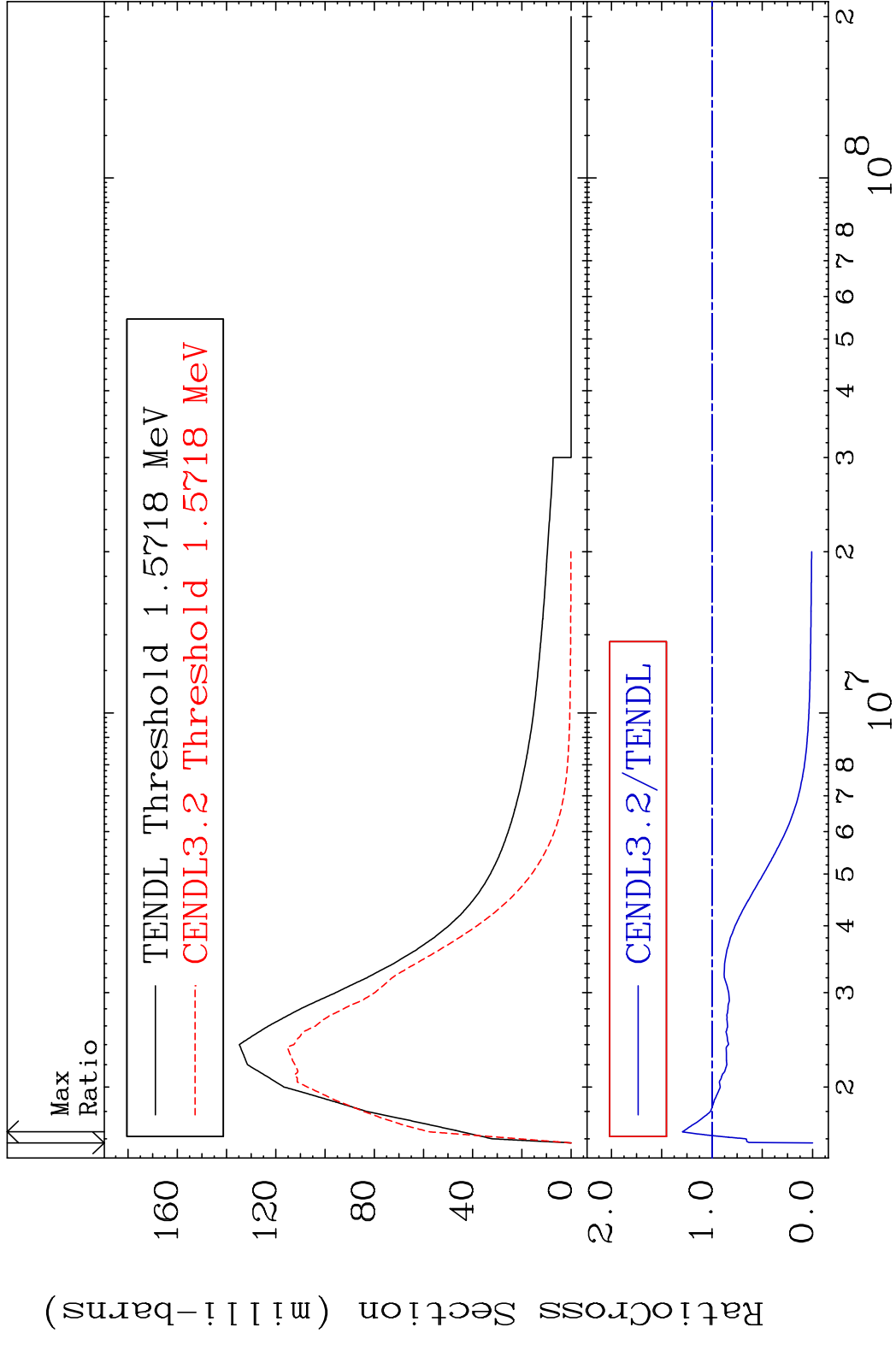


MAT 2925 MT= 54 (n,n') Level 29-Cu-63
 Cross Section -32.63 To 888.5 %

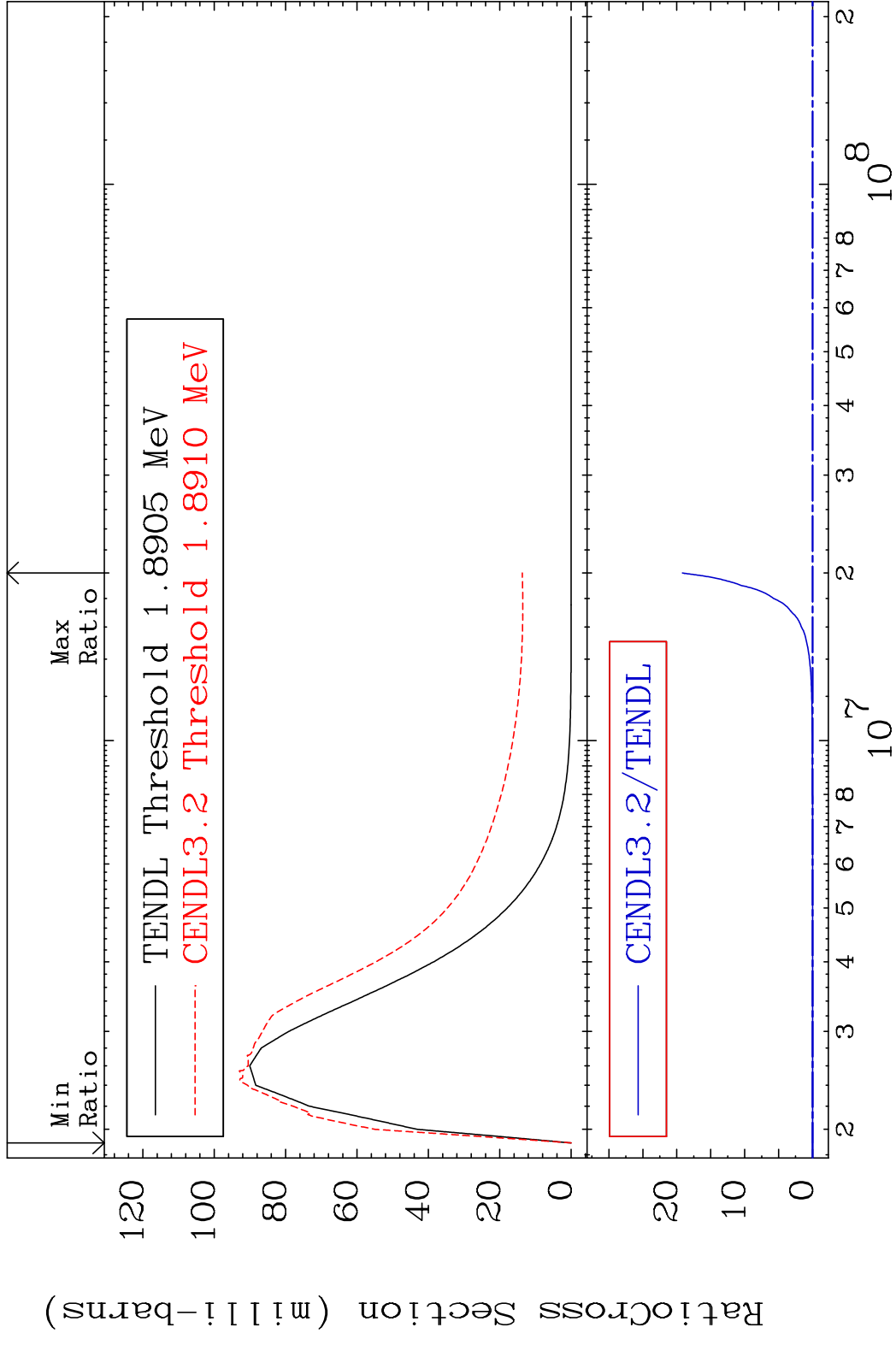


10 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 55 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 29.47 %

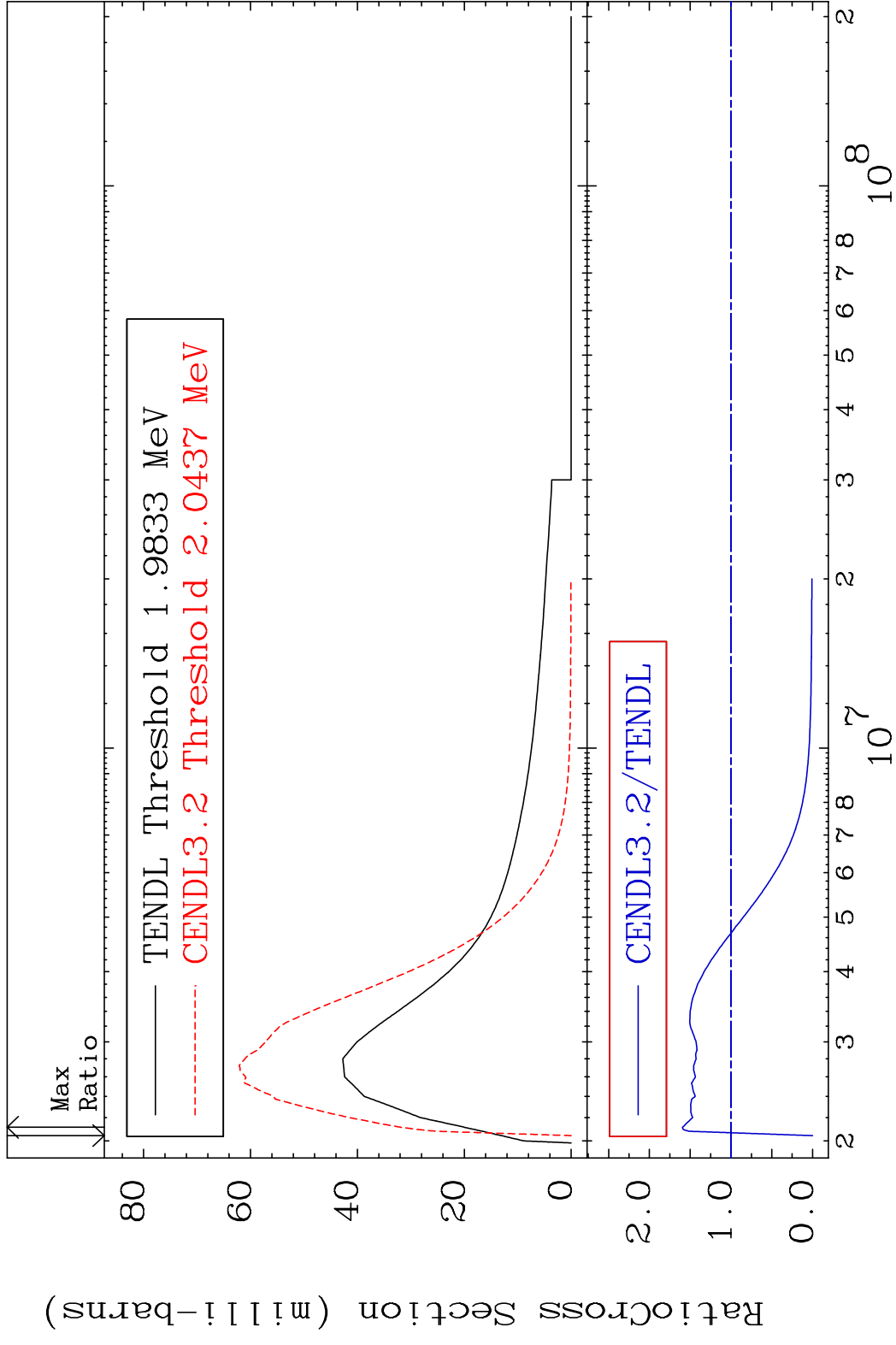


MAT 2925 MT= 56 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

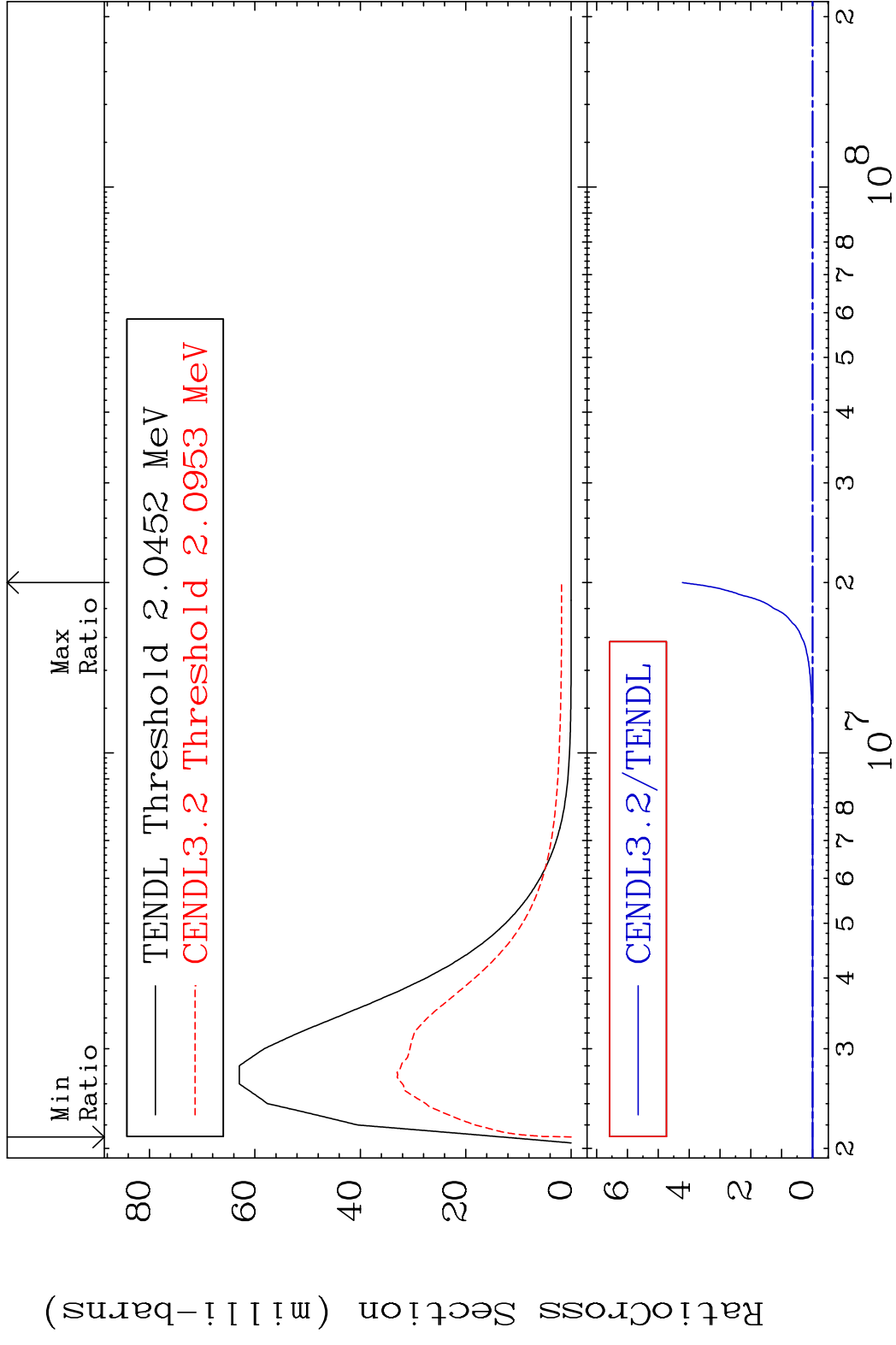


12 Incident Energy (eV) 29-Cu-63

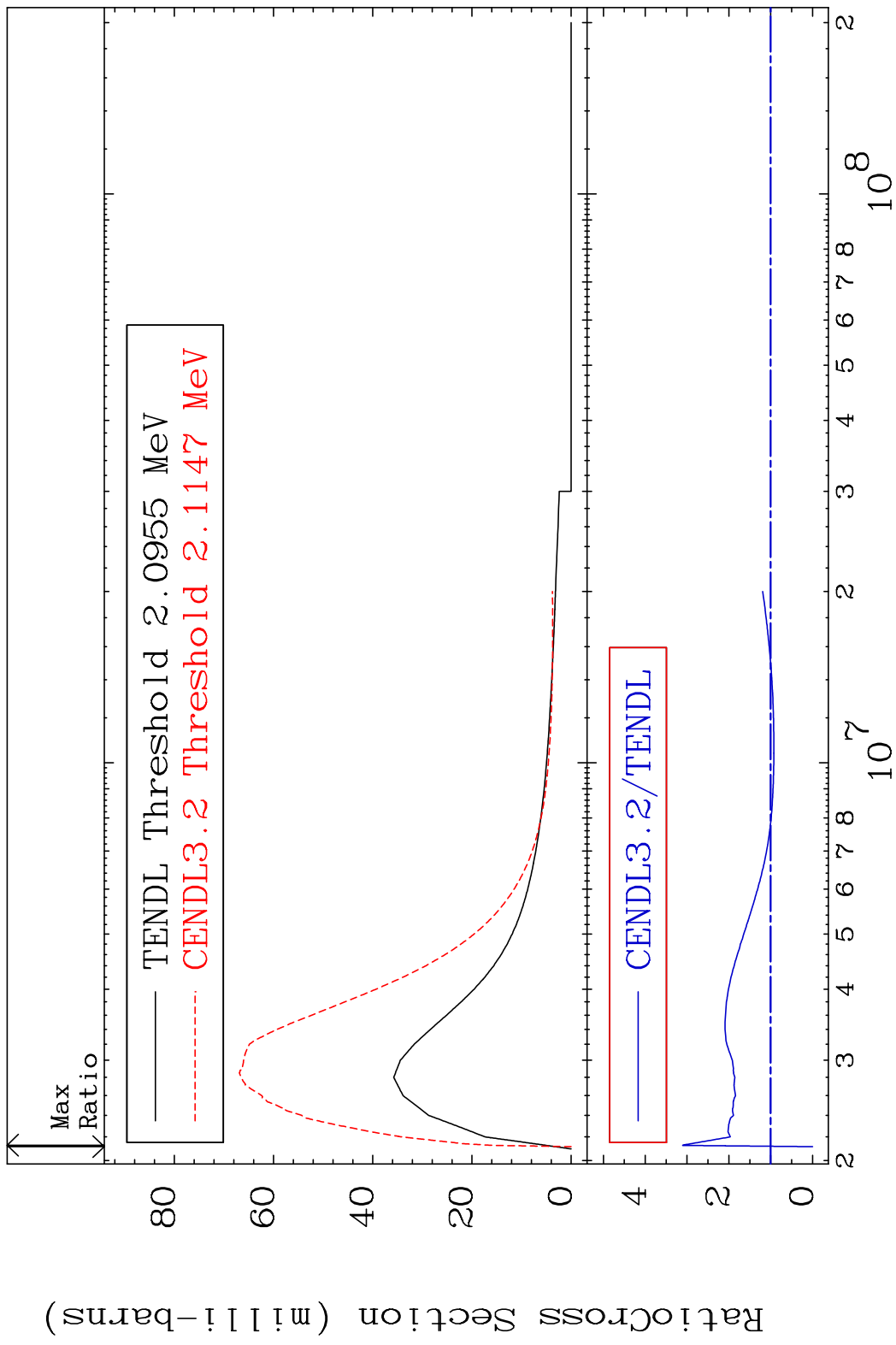
MAT 2925 MT= 57 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 59.62 %



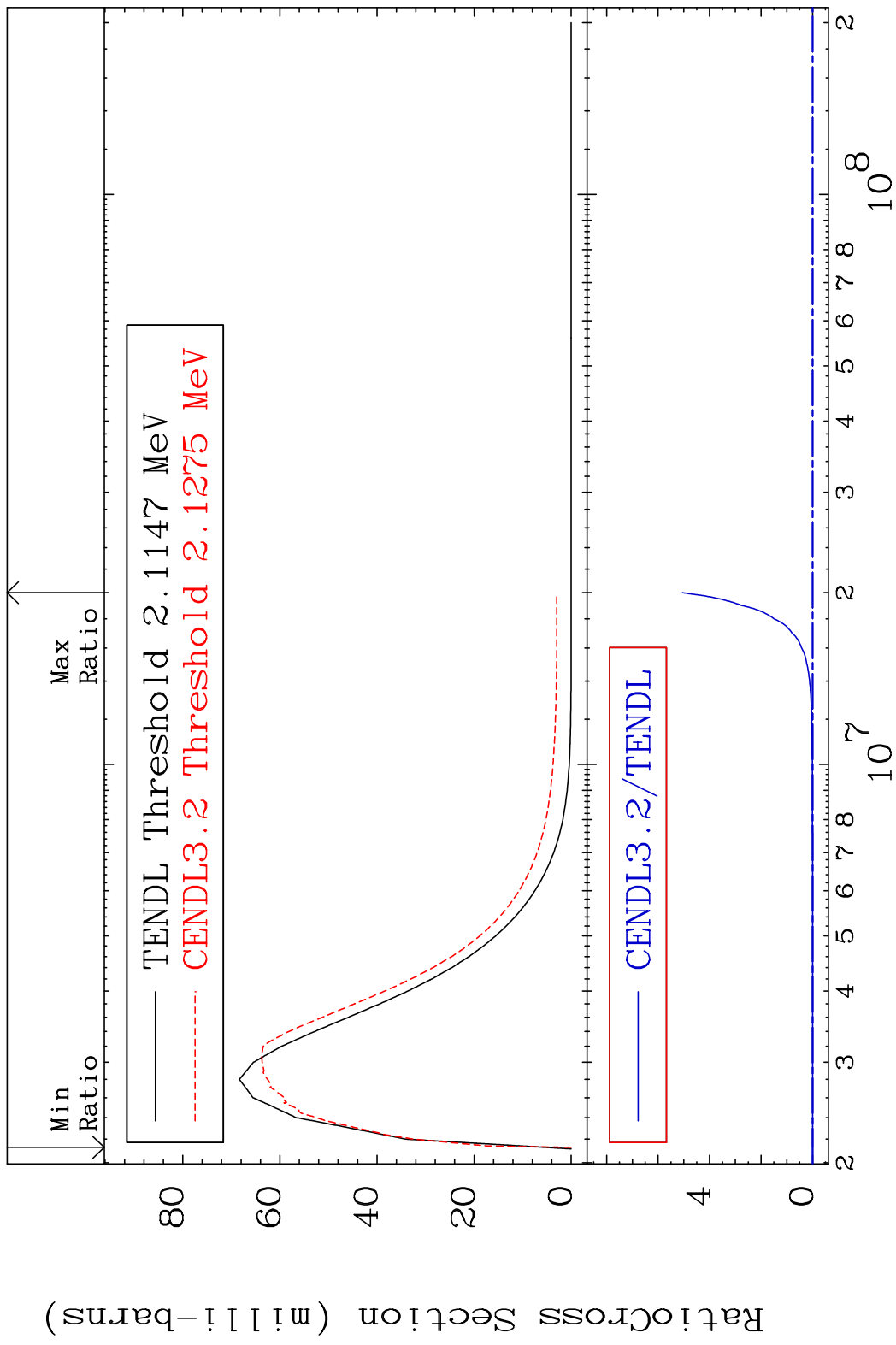
MAT 2925 MT= 58 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



MAT 2925 MT= 59 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 211.2 %

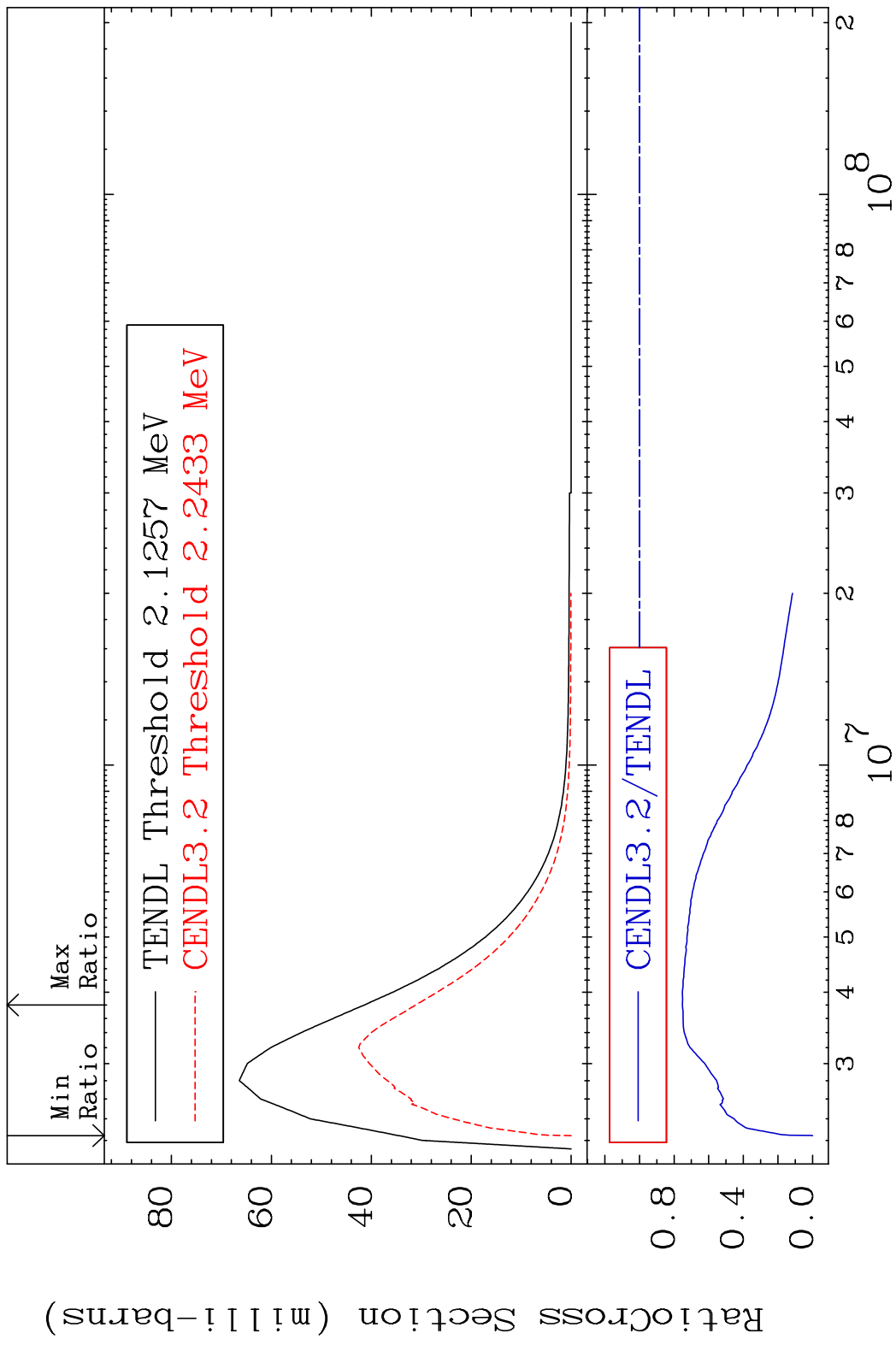


MAT 2925 MT= 60 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

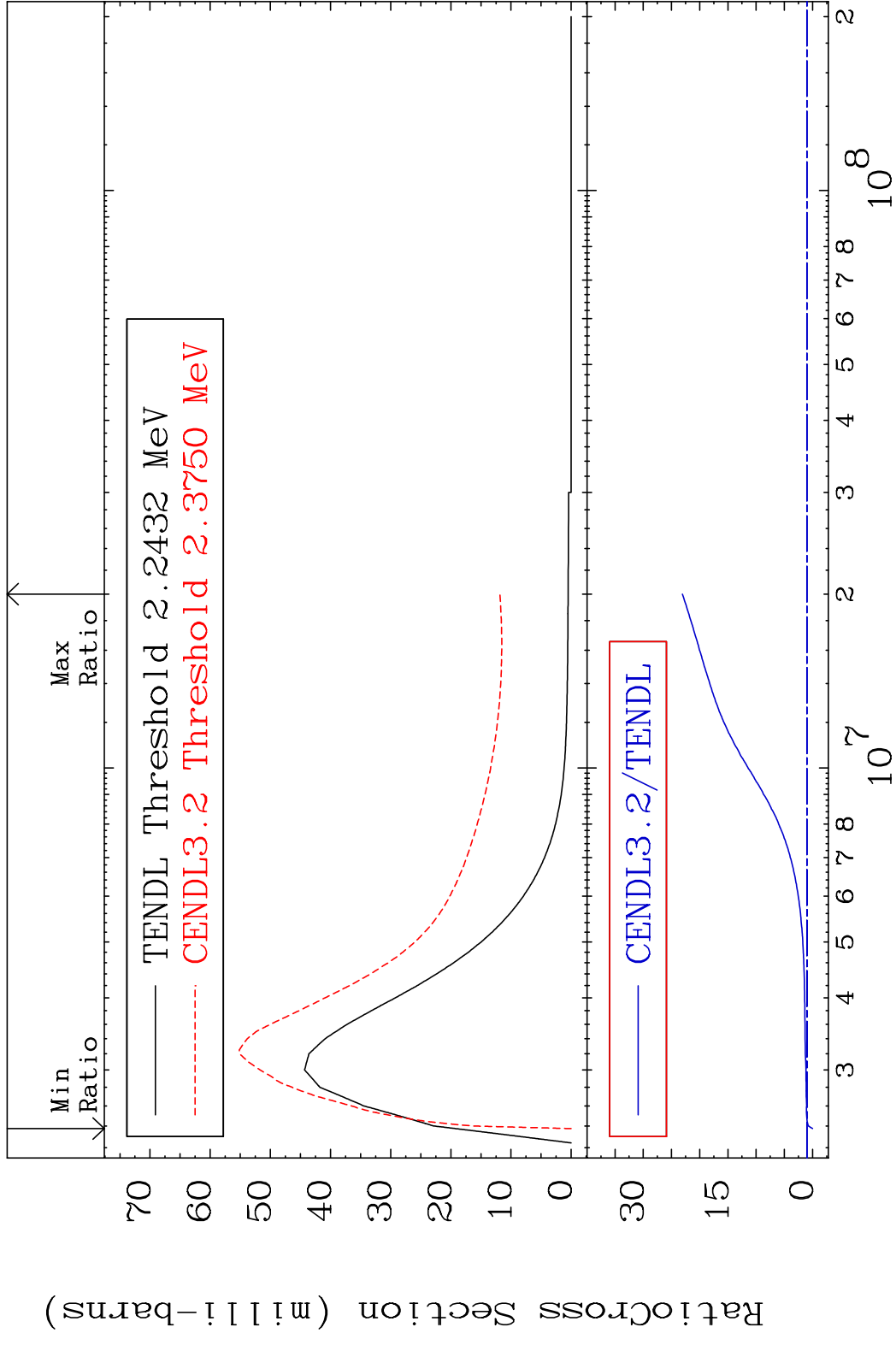


16 16 Incident Energy (eV) 29-Cu-63

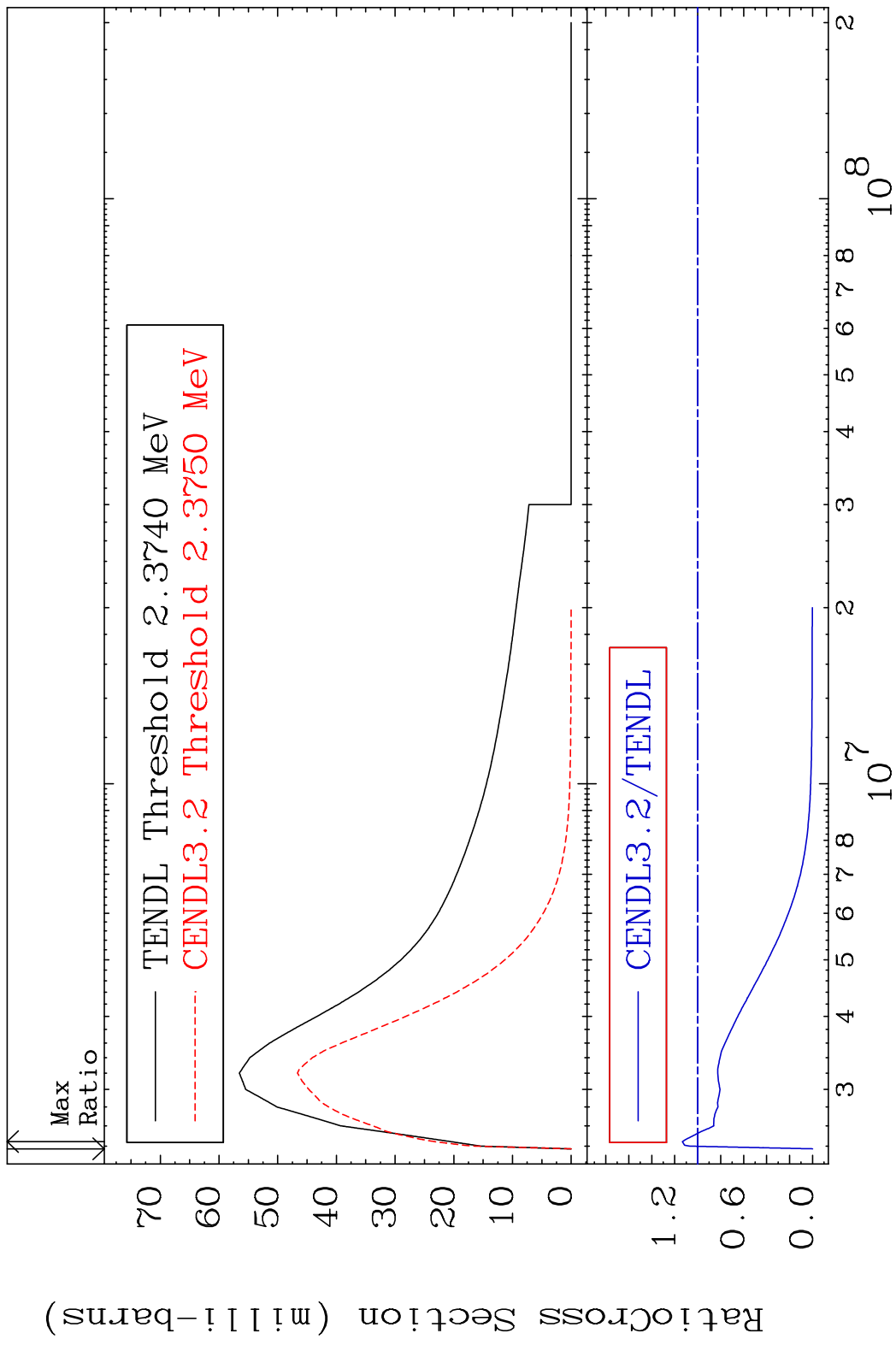
MAT 2925 MT= 61 (n, n') Level 29-Cu-63
 Cross Section -100.0 To -24.78%



MAT 2925 MT= 62 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 2207. %

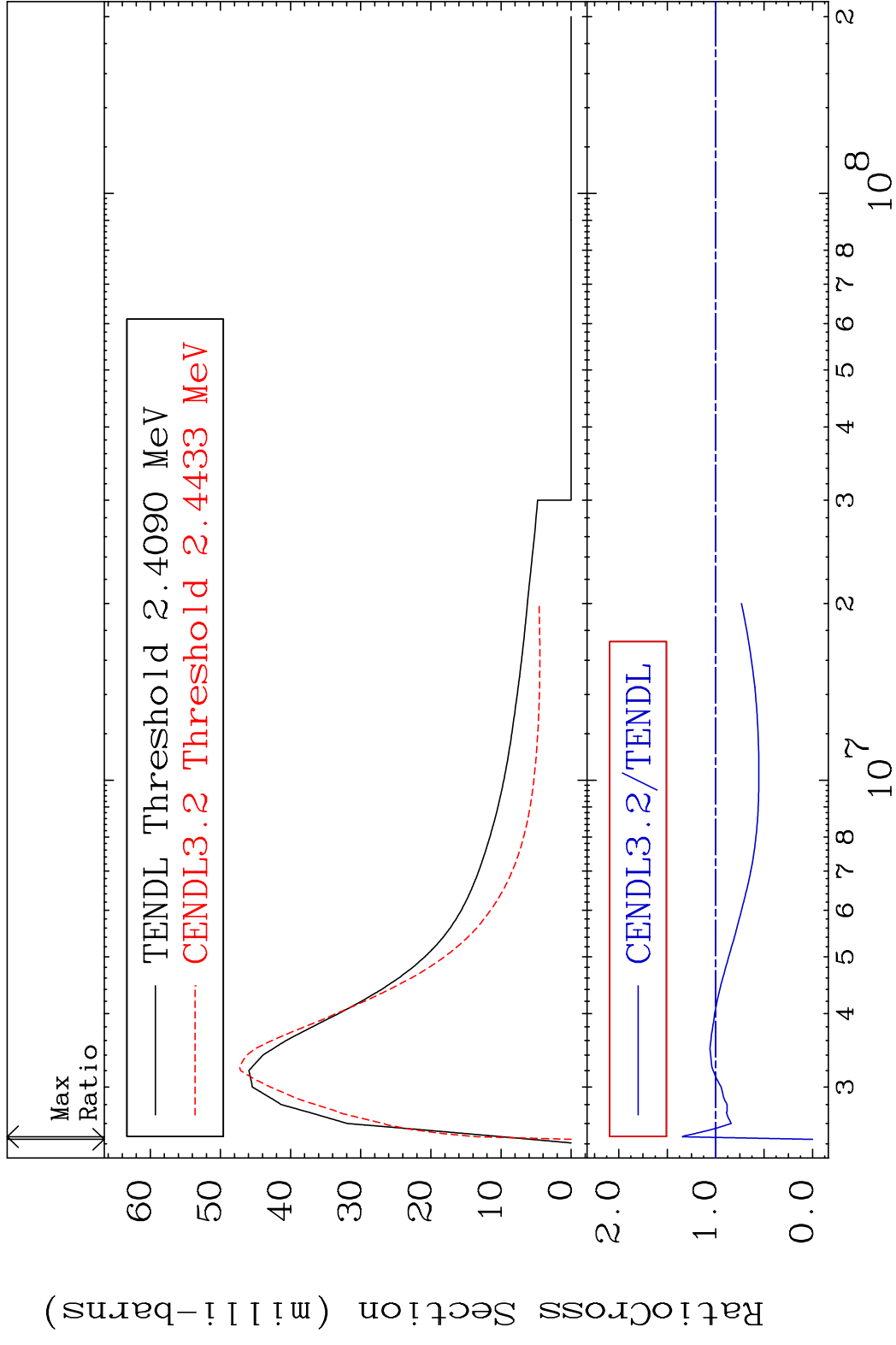


MAT 2925 MT= 63 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 13.34 %



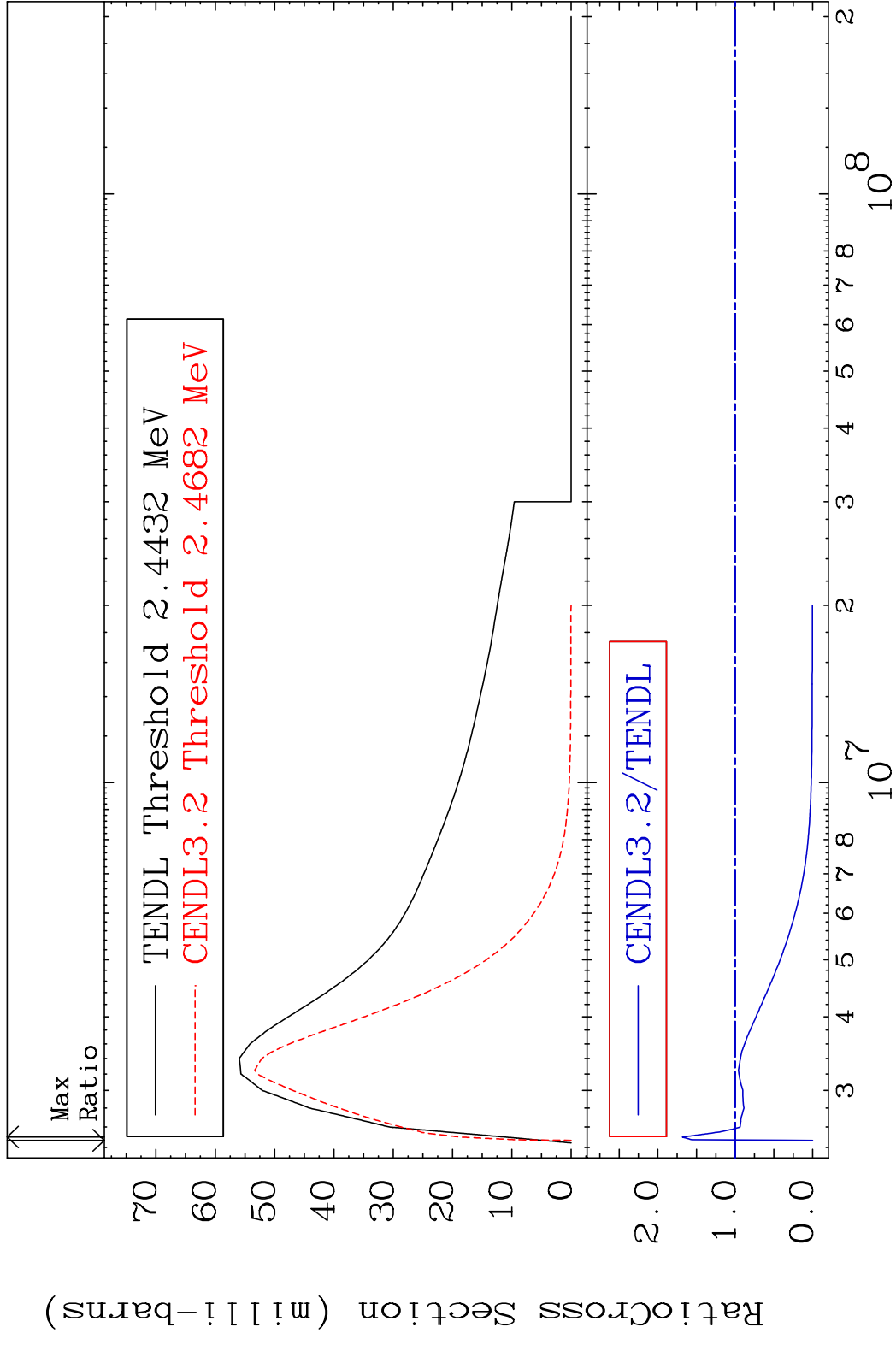
19 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 64 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 34.41 %

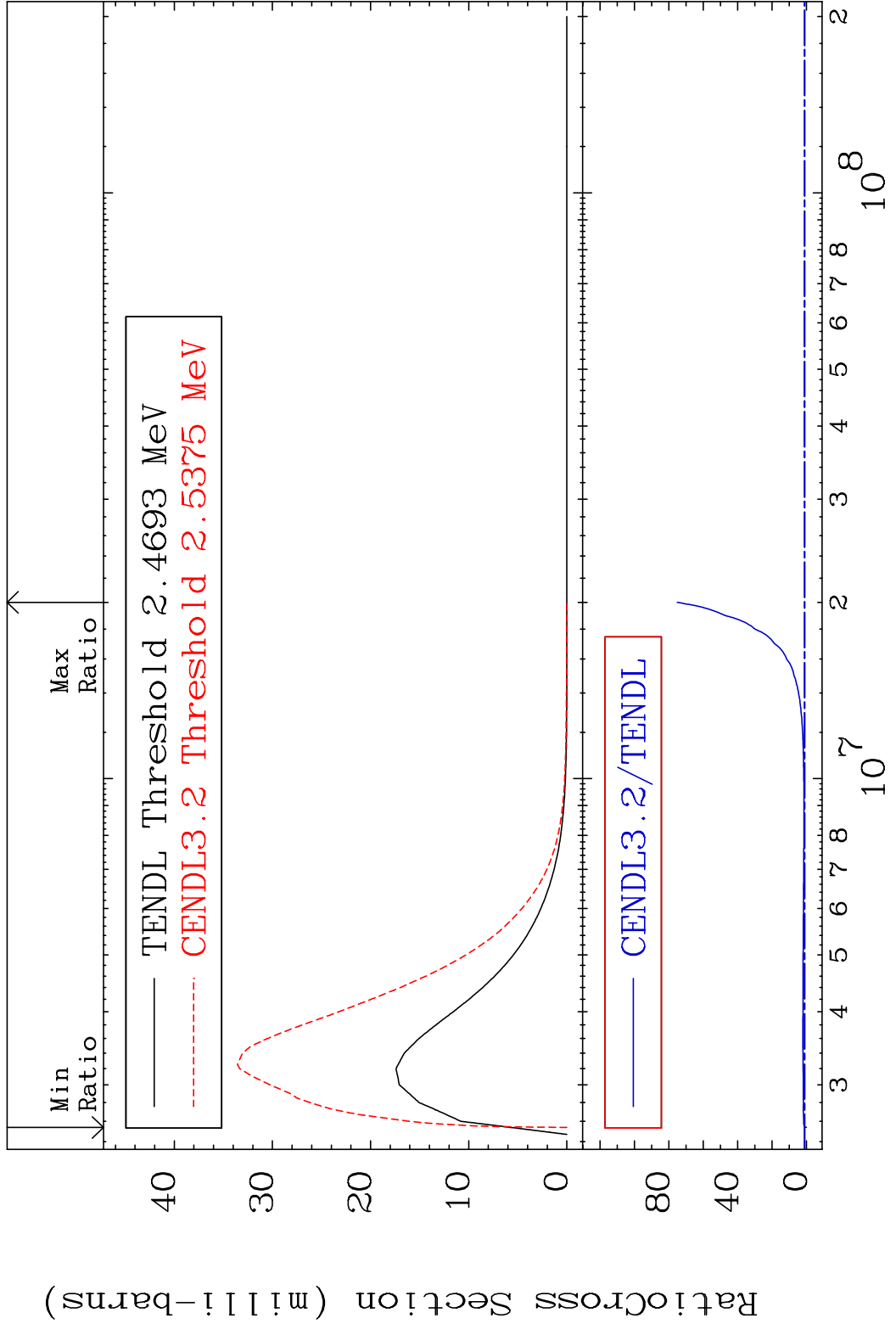


20 Incident Energy (eV) 29-Cu-63

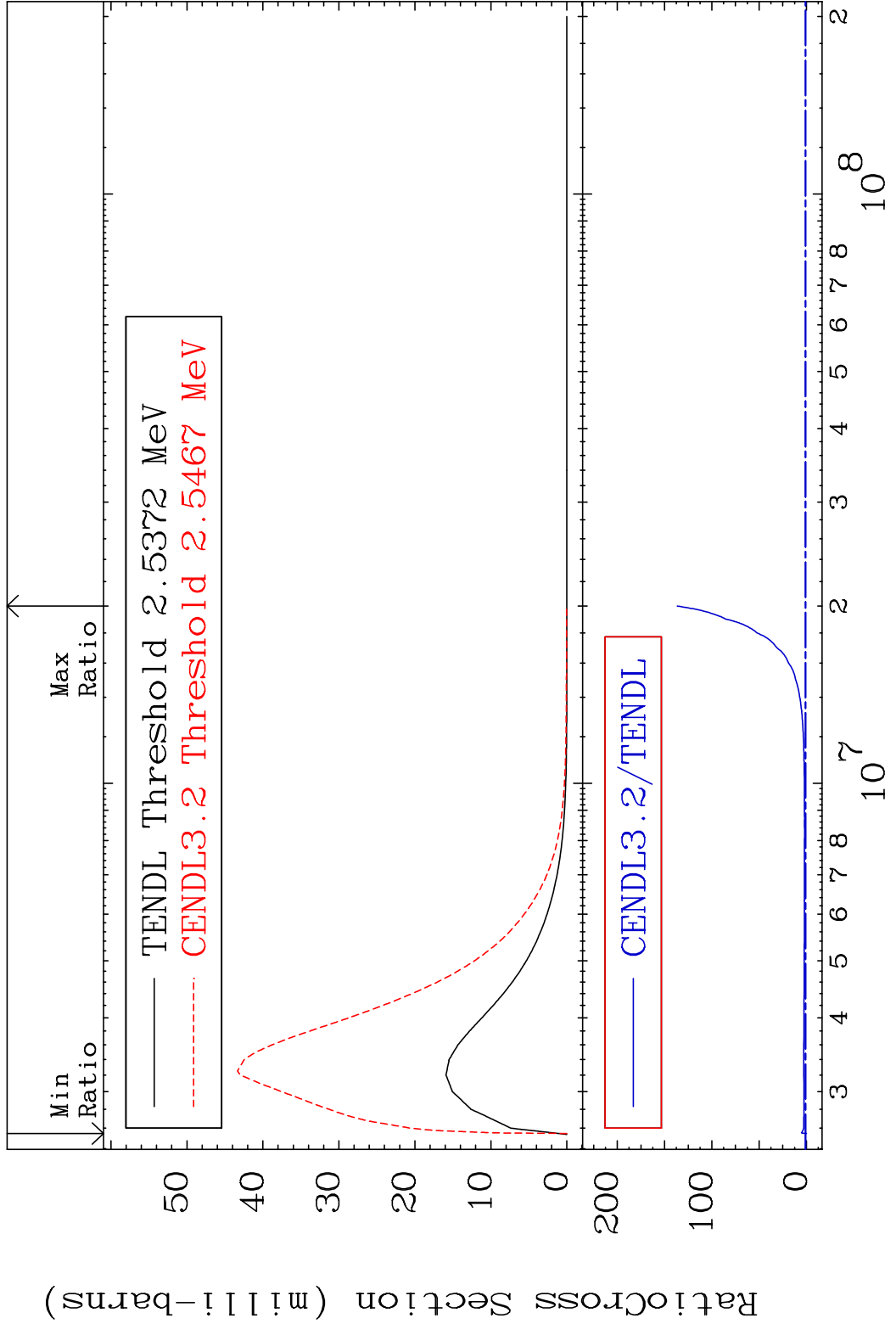
MAT 2925 MT= 65 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 68.27 %



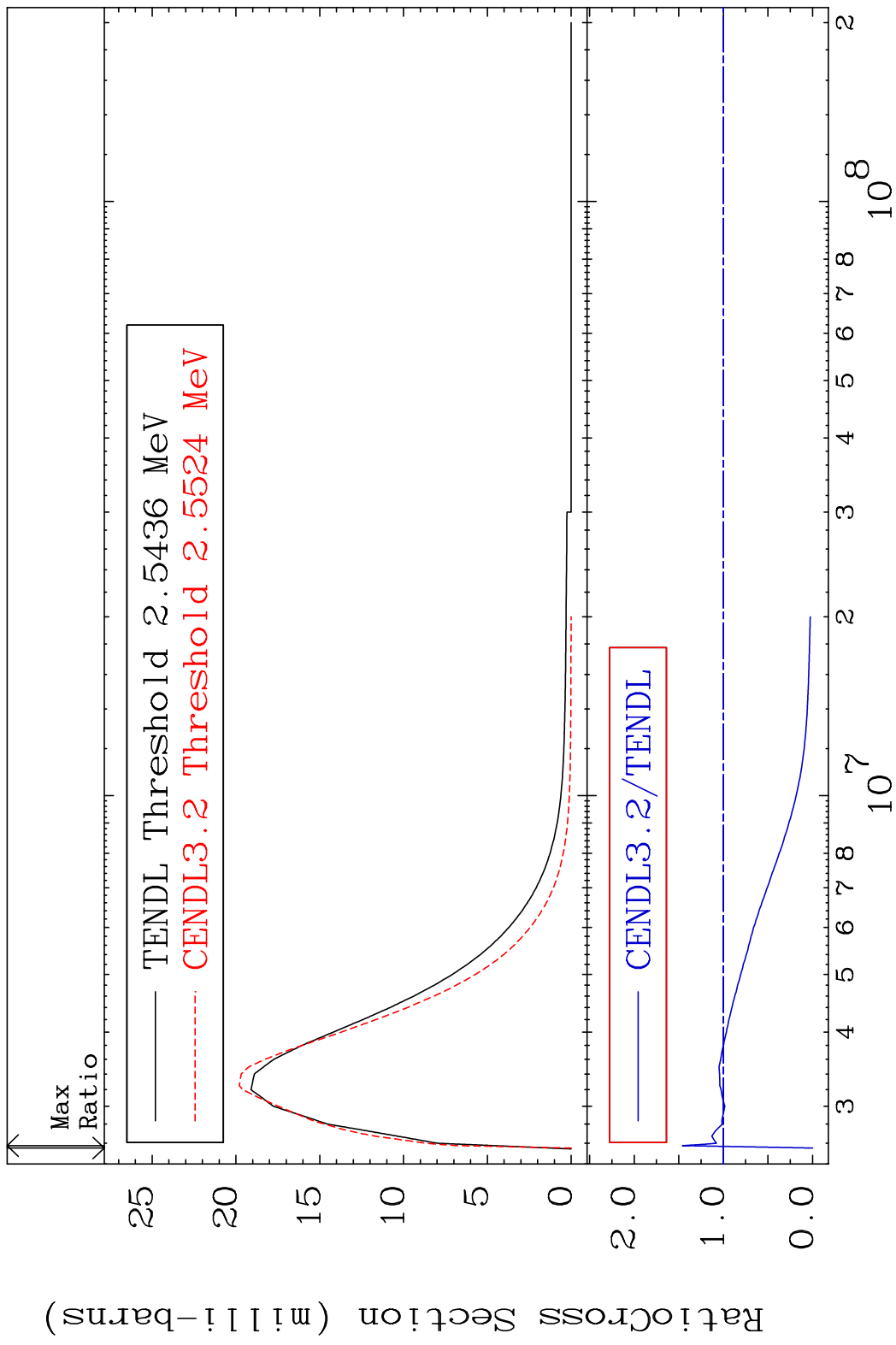
MAT 2925 MT= 66 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 7413. %



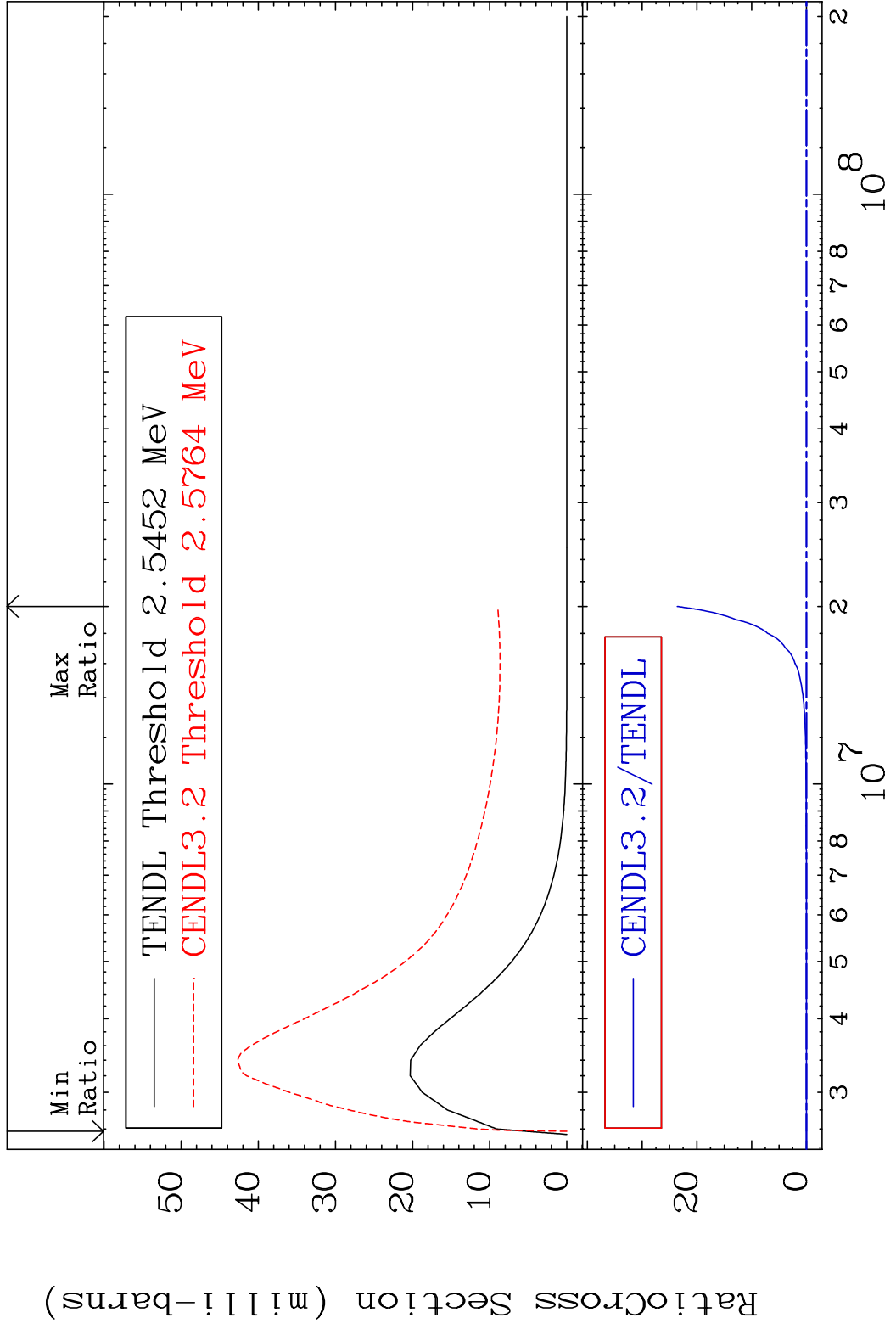
MAT 2925 MT= 67 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



MAT 2925 MT= 68 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 45.97 %

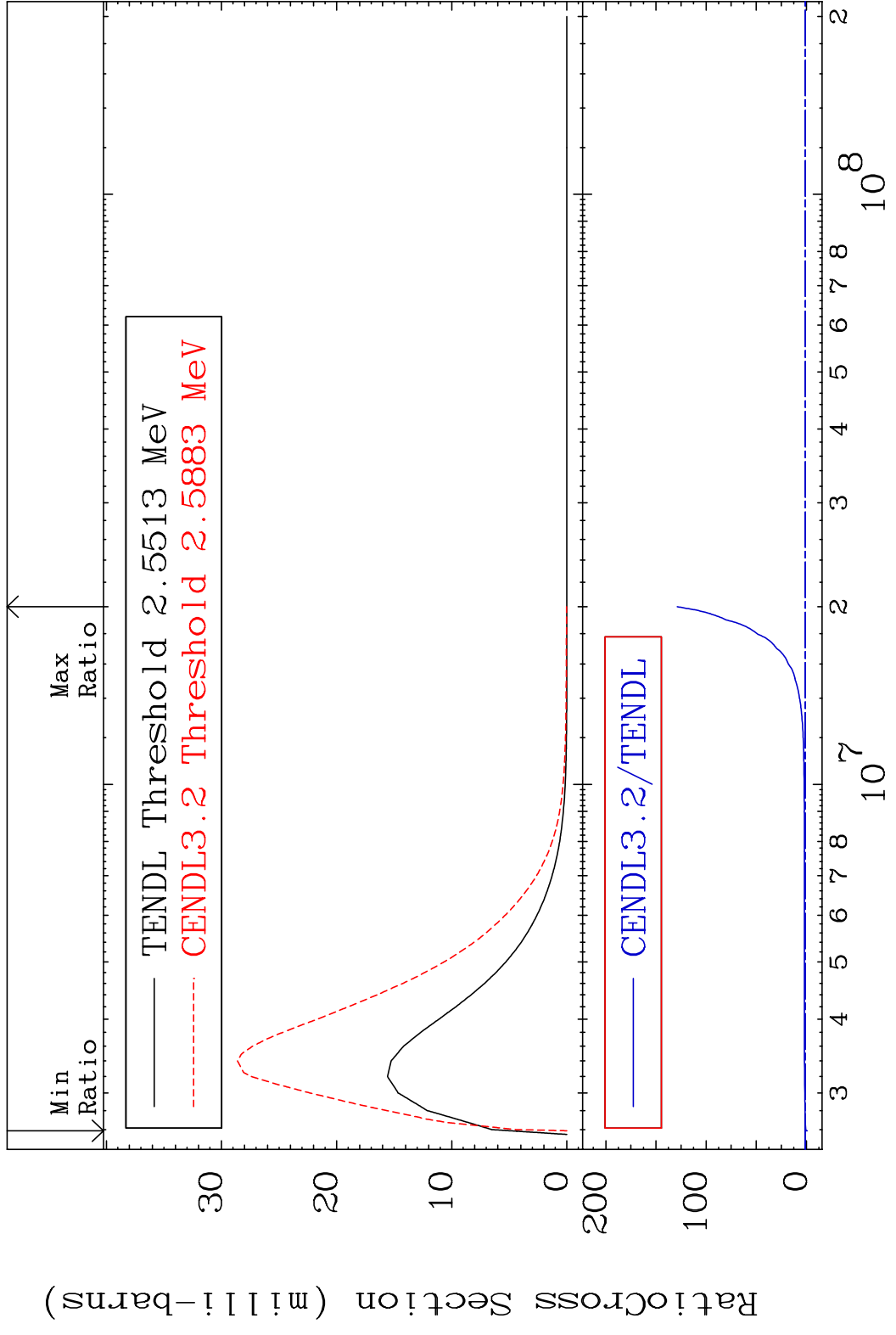


MAT 2925 MT= 69 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

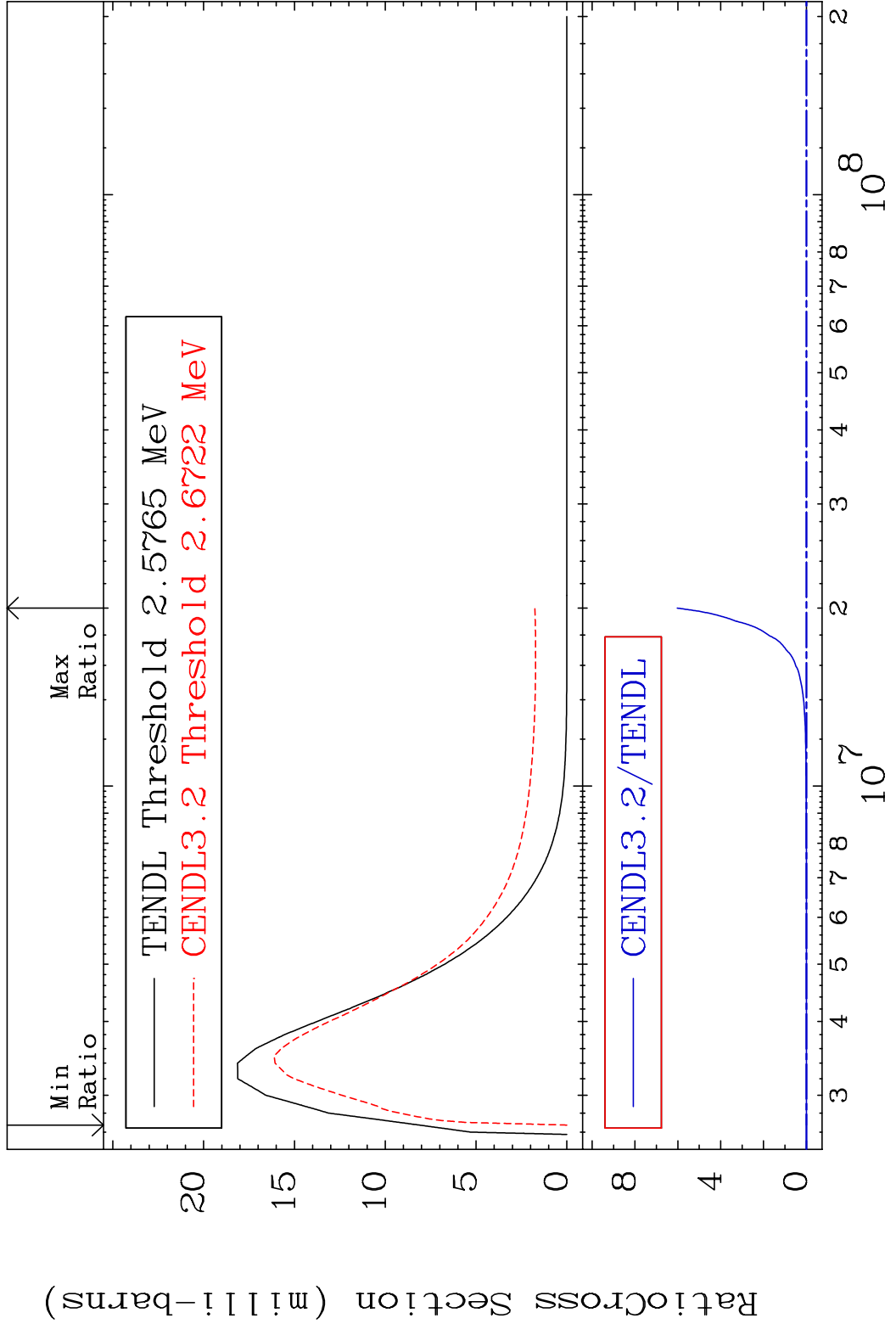


25 29-Cu-63

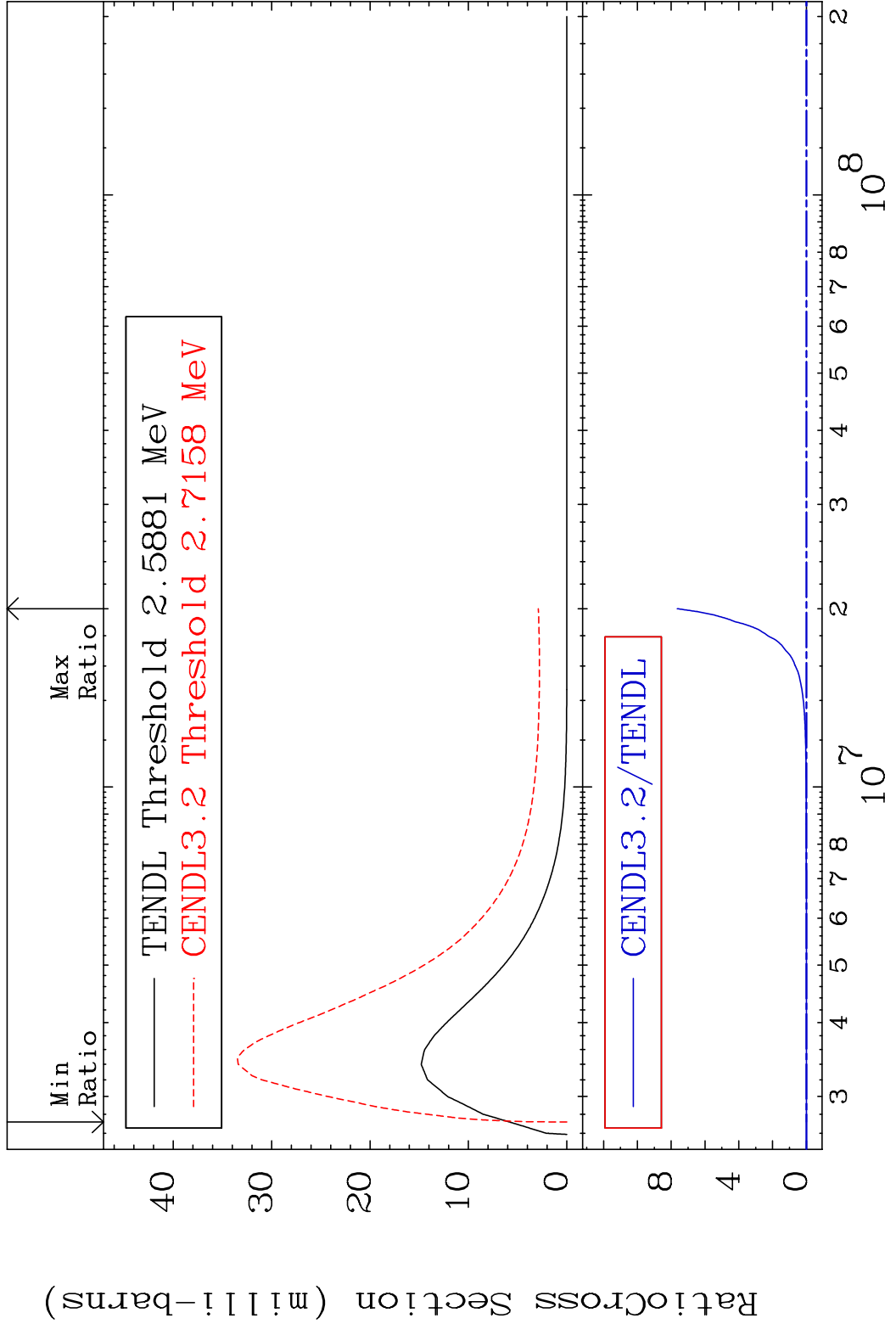
MAT 2925 MT= 70 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



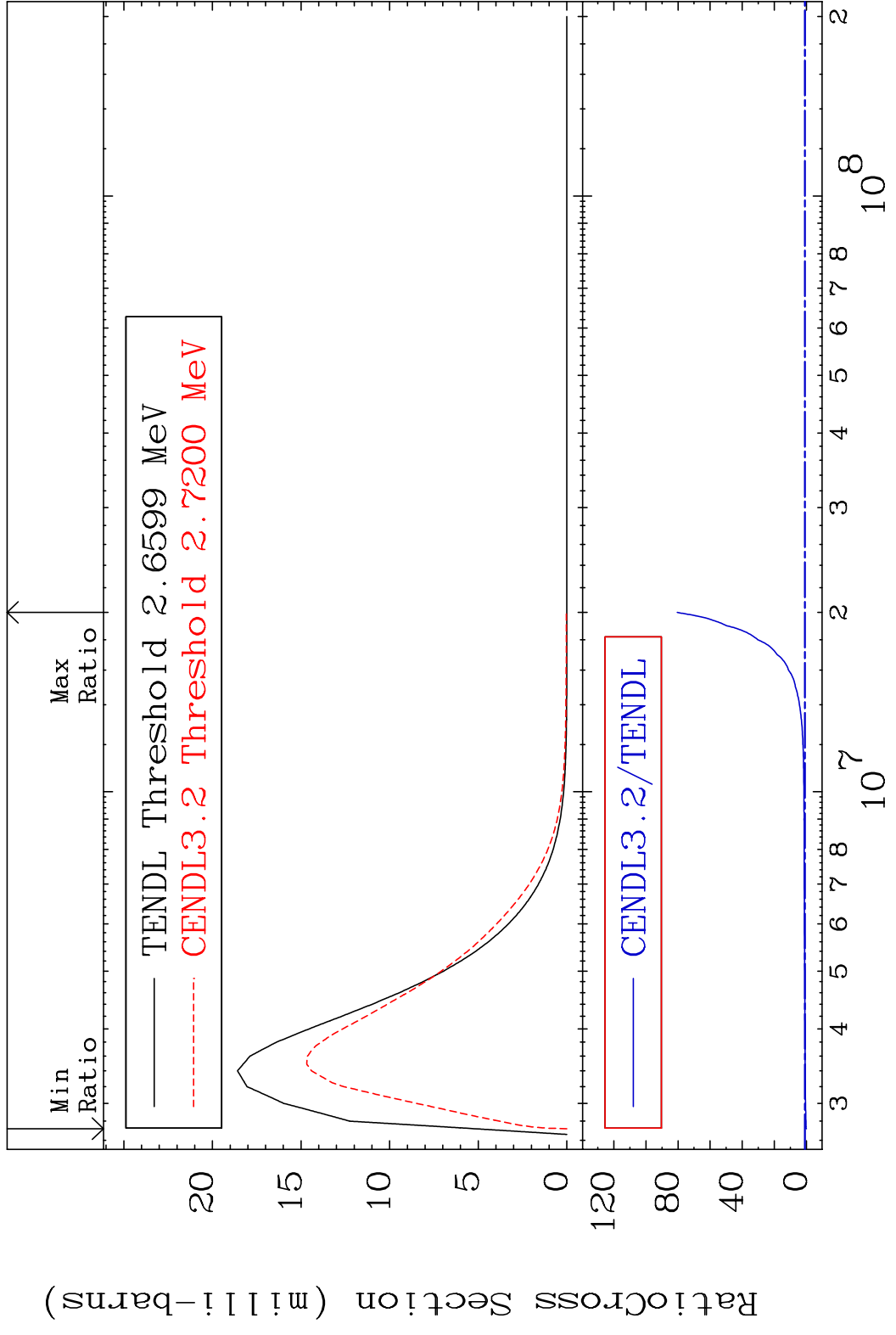
MAT 2925 MT= 71 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



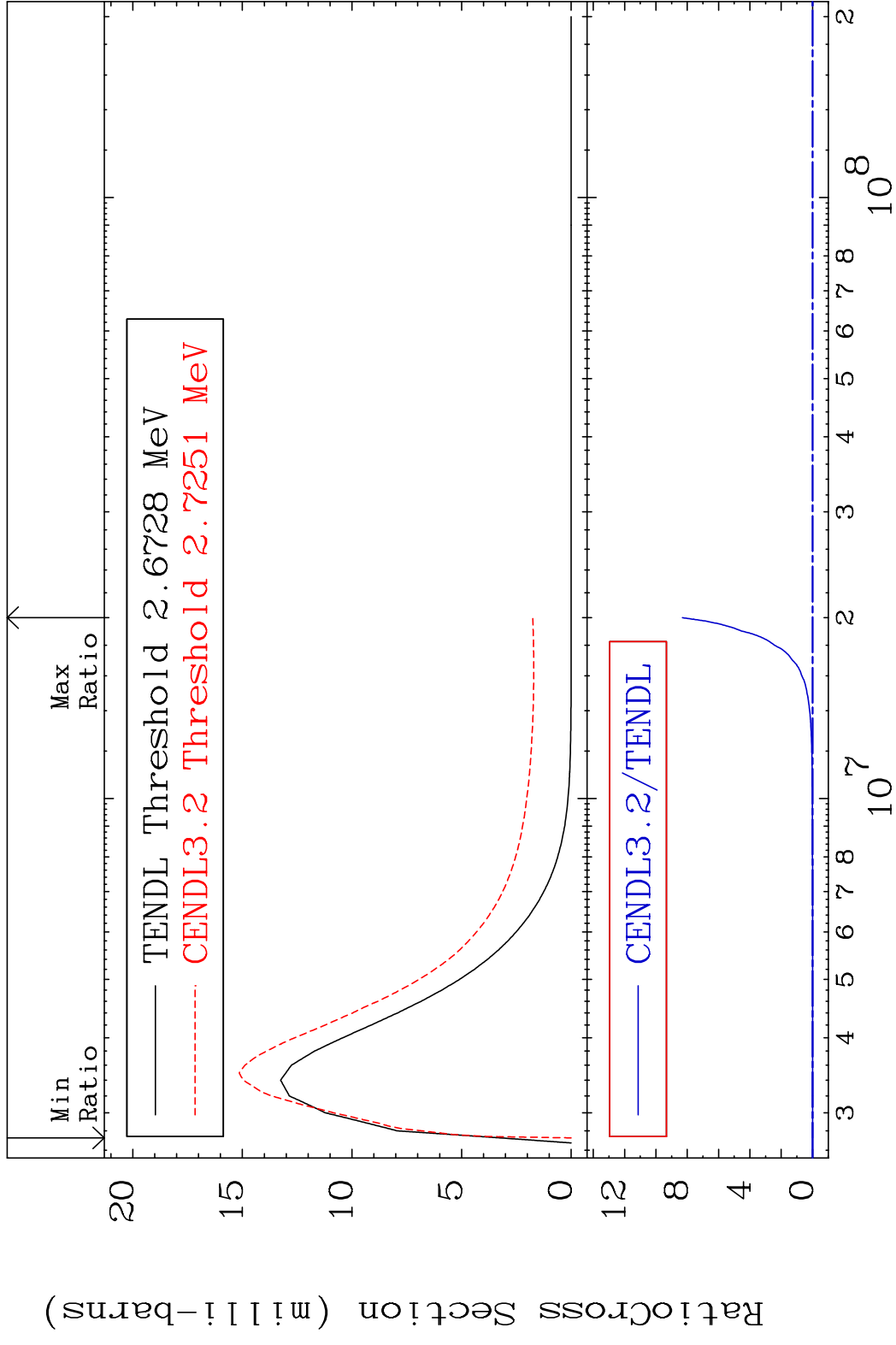
MAT 2925 MT= 72 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



MAT 2925 MT= 73 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 7952. %

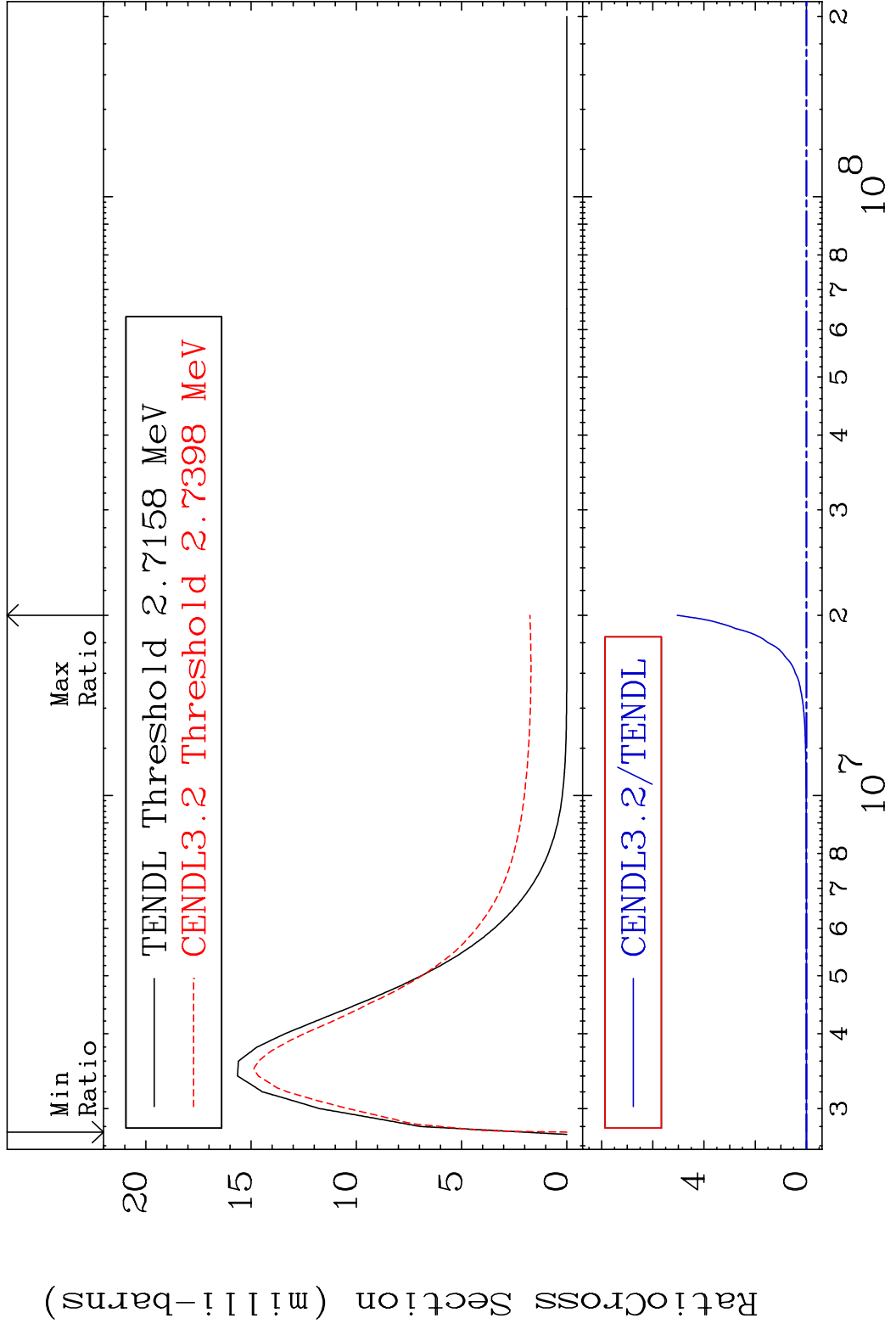


MAT 2925 MT= 74 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

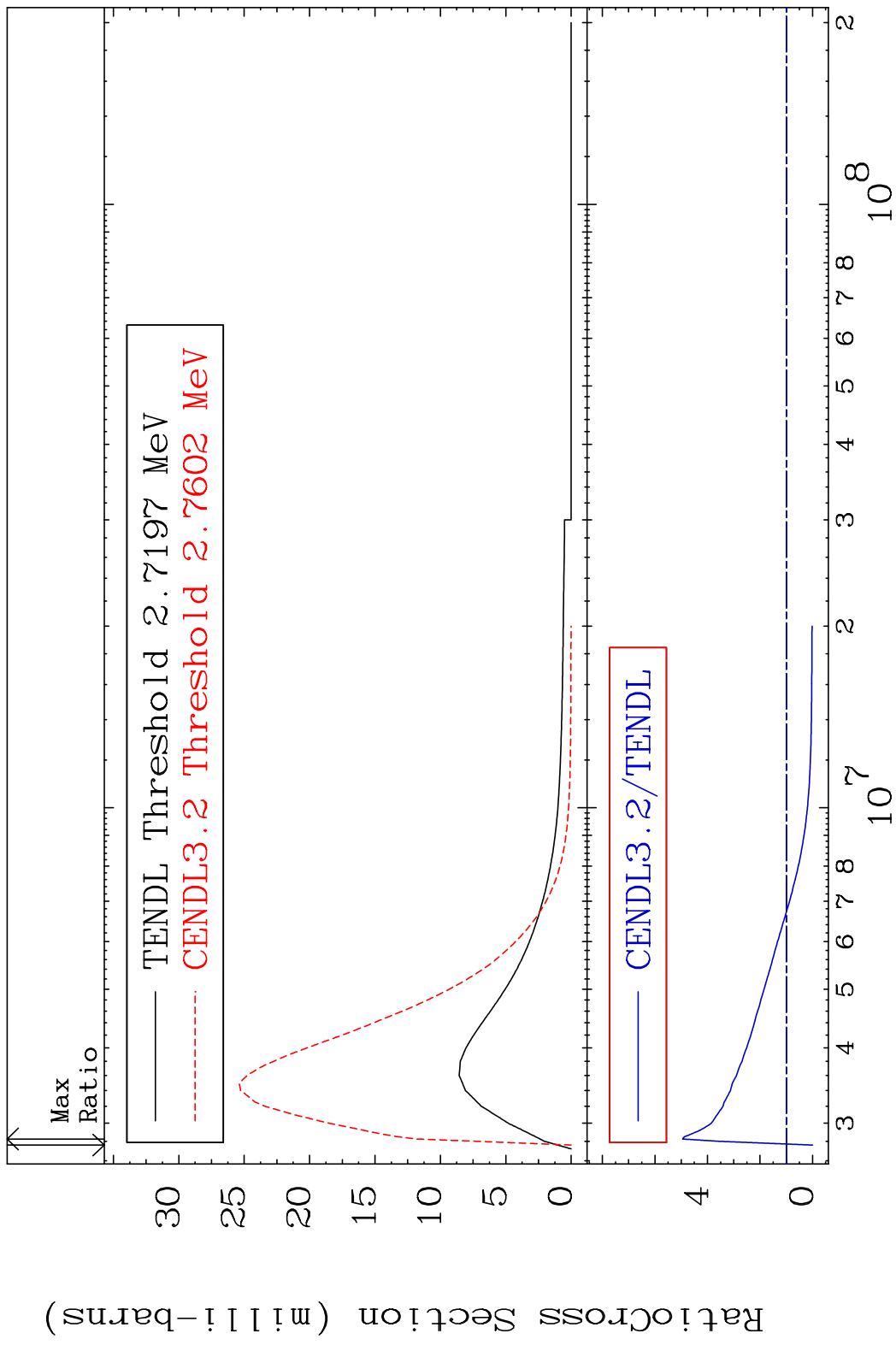


30 29-Cu-63

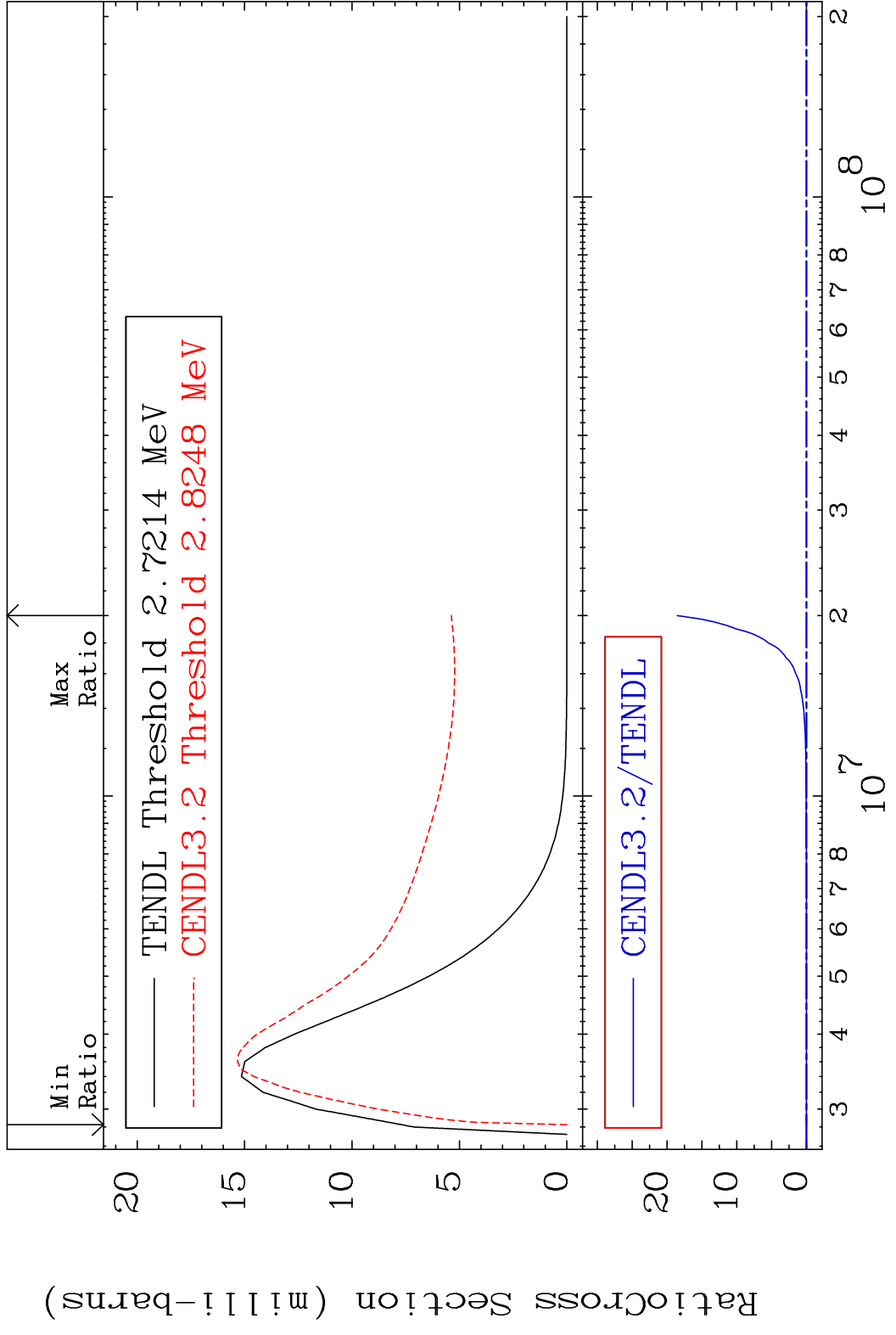
MAT 2925 MT= 75 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



MAT 2925 MT= 76 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 395.6 %

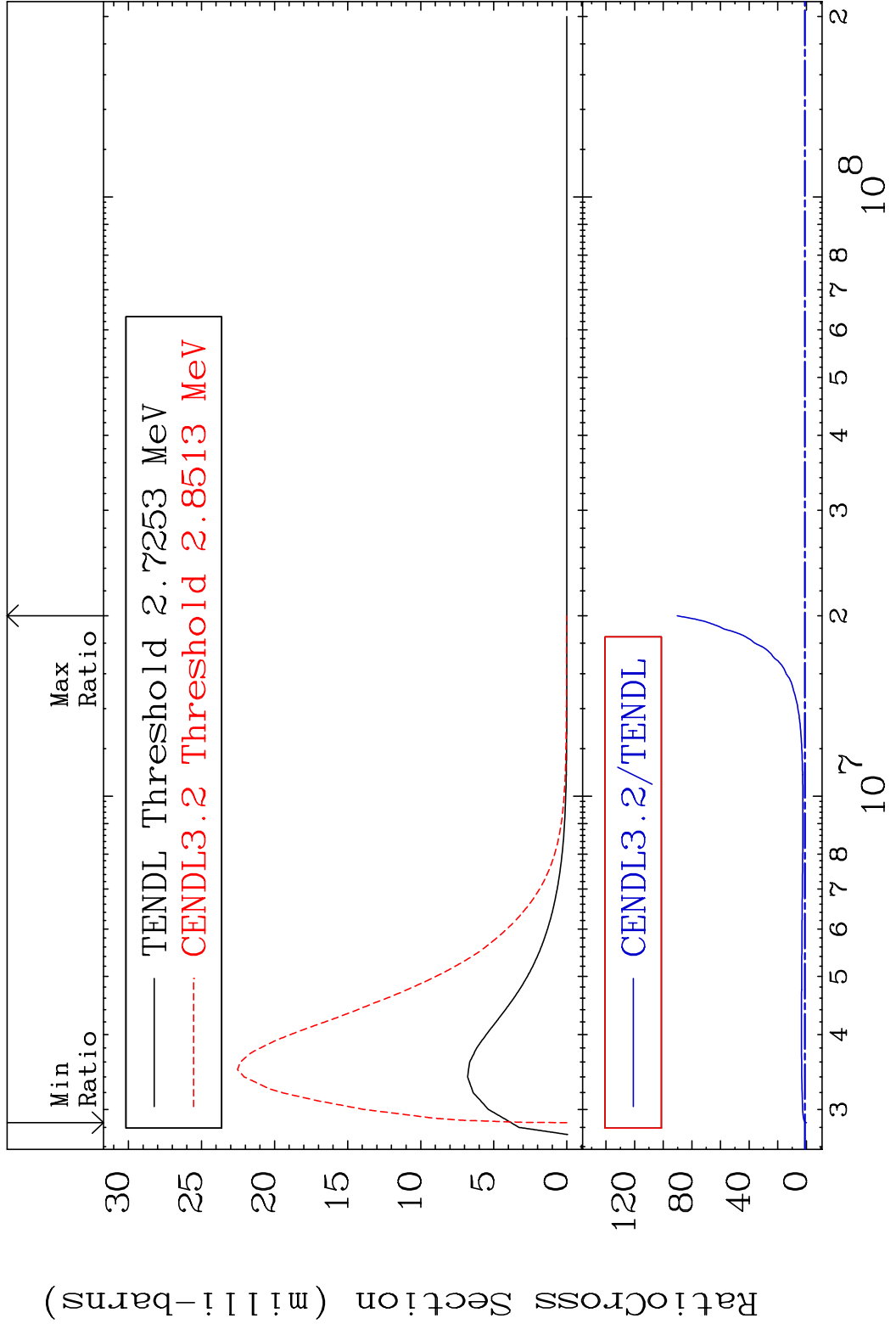


MAT 2925 MT= 77 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

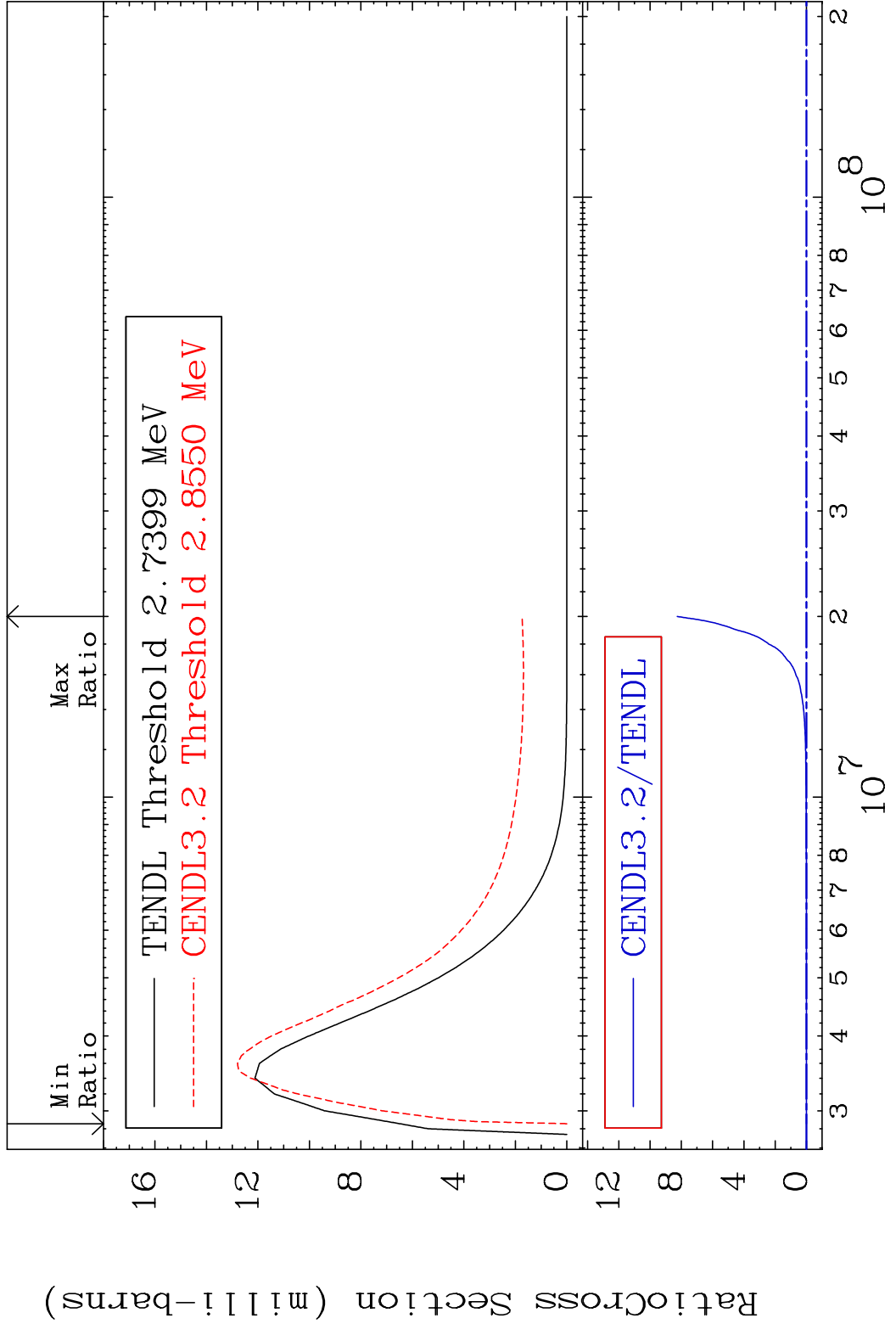


33 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 78 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 8928. %

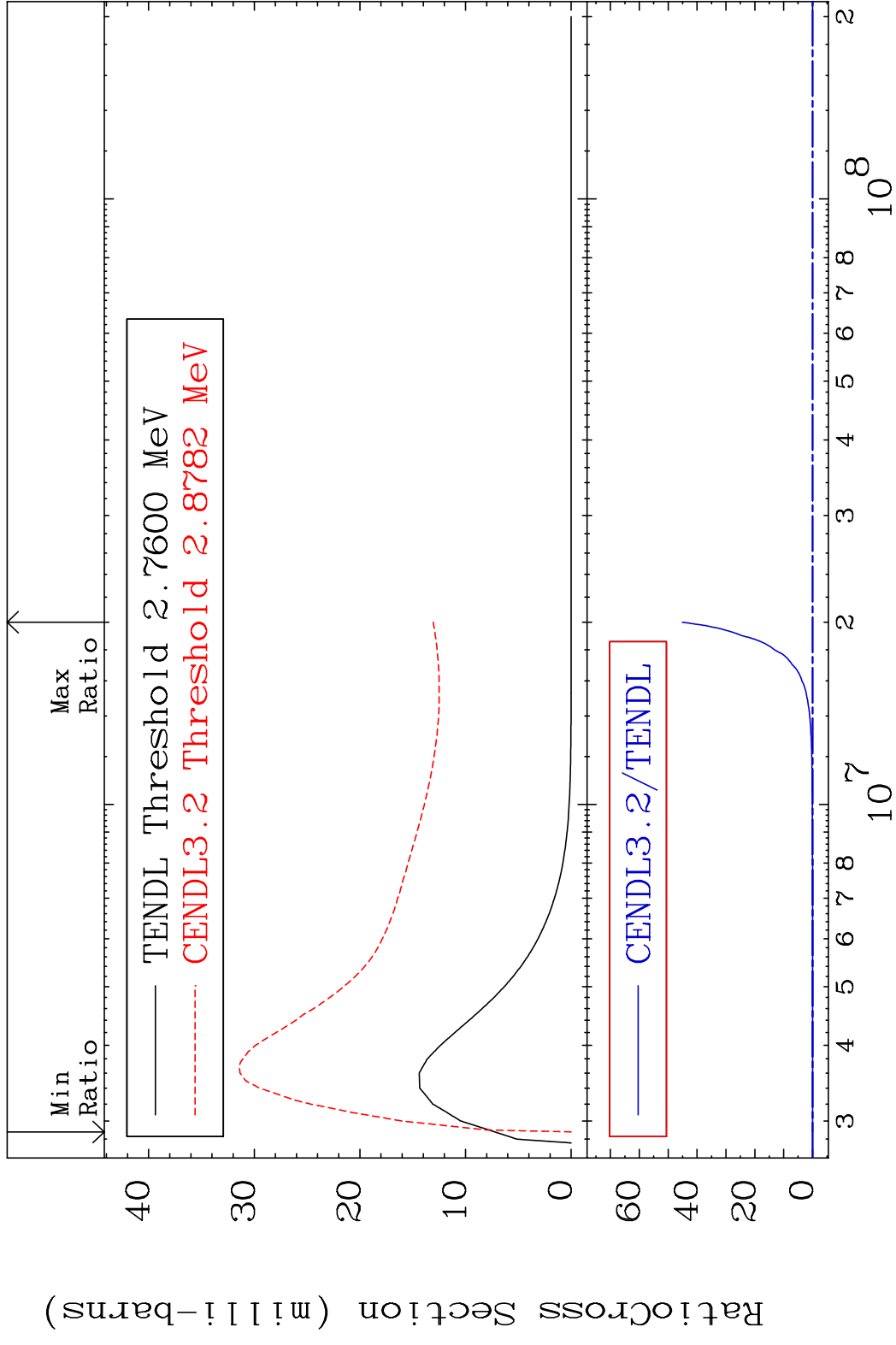


MAT 2925 MT= 79 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

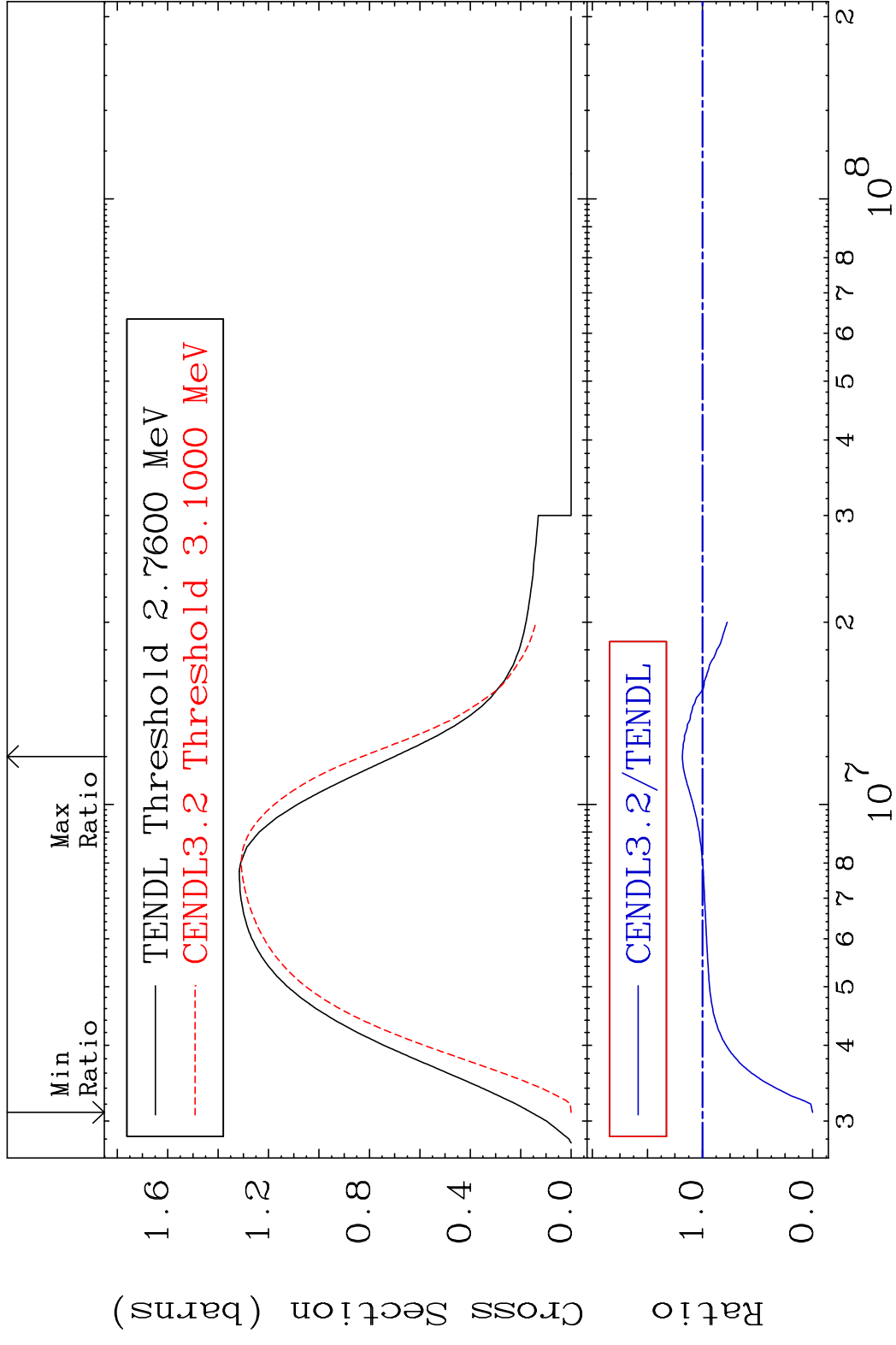


35 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 80 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



MAT 2925 (n, n') Continuum 29-Cu-63
 Cross Section -100.0 To 18.25 %

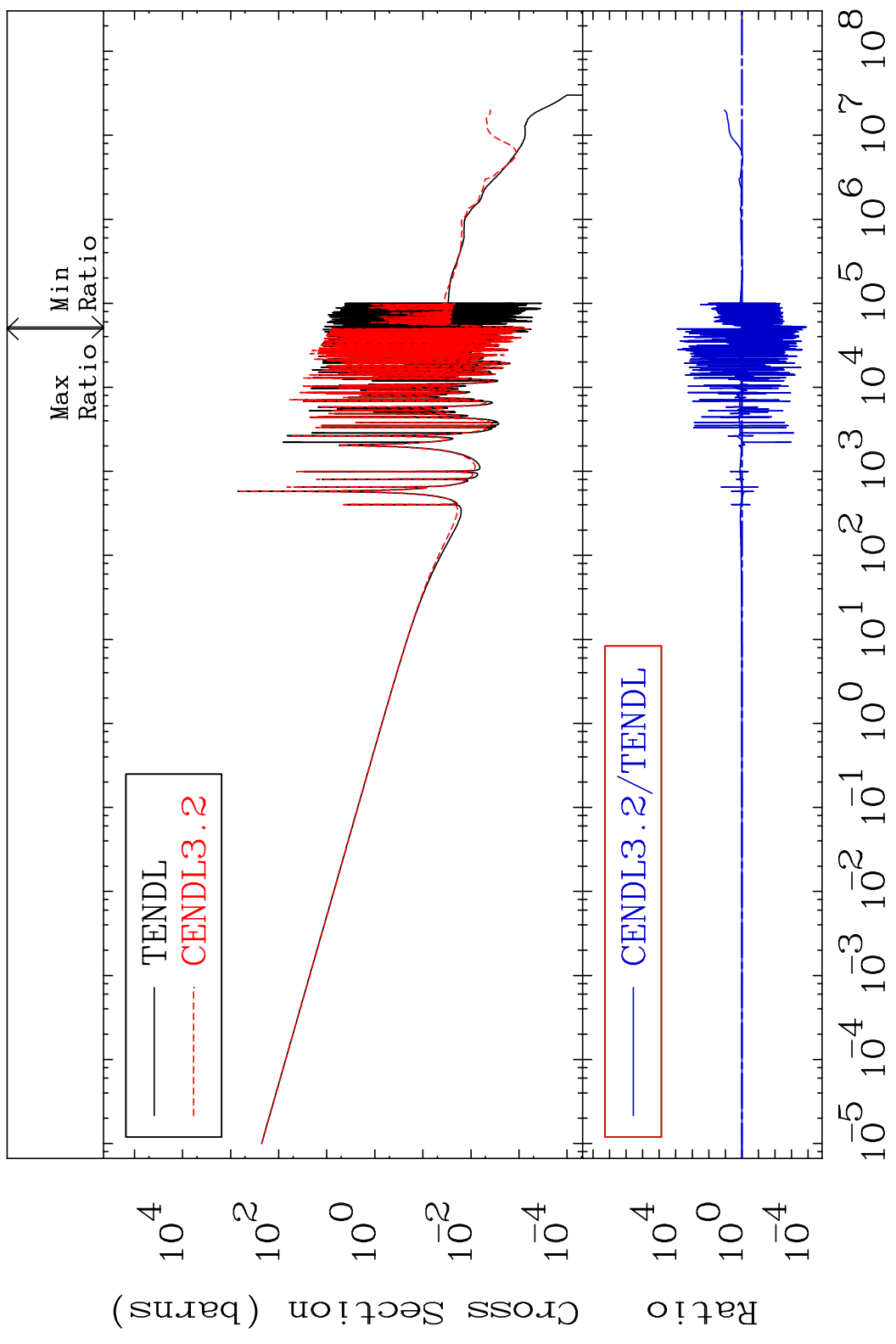


MAT 2925

(n, γ)

29-Cu-63

Cross Section -99.99 To 9999. %



38

Incident Energy (eV)

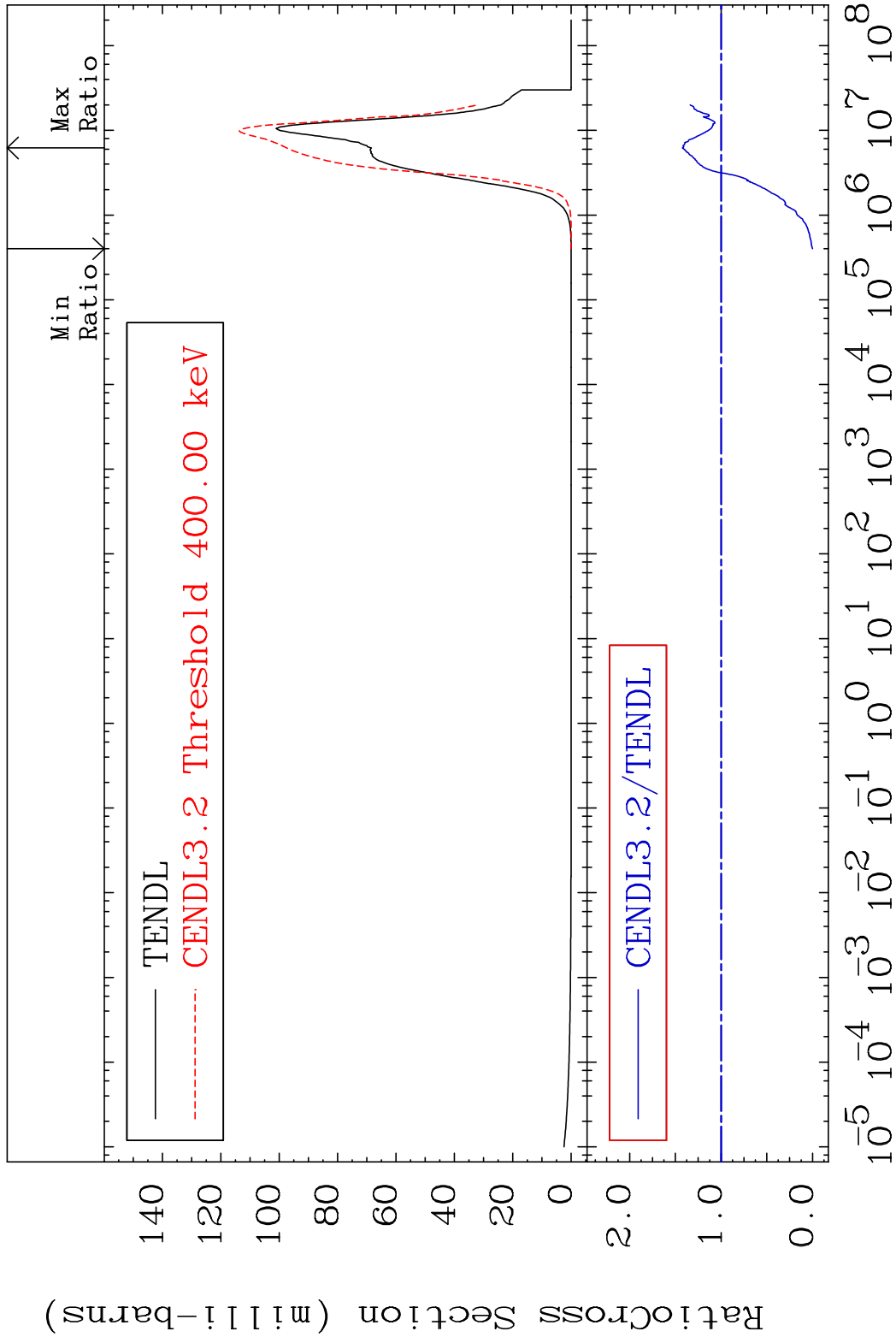
29-Cu-63

MAT 2925

(n,p)

29-Cu-63

Cross Section -100.0 To 42.33 %

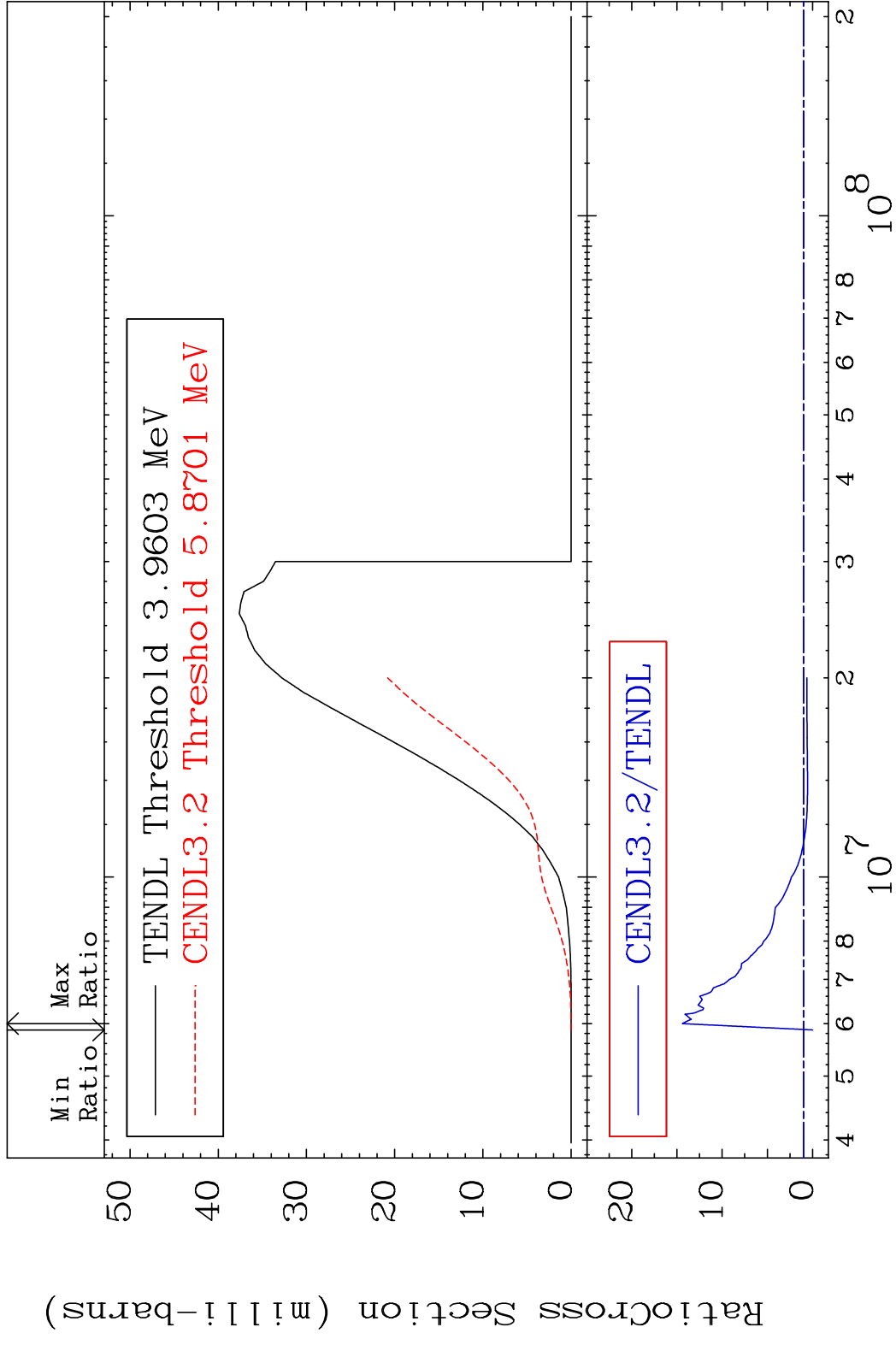


39

Incident Energy (eV)

29-Cu-63

MAT 2925 (n,d) 29-Cu-63
 Cross Section -100.0 To 1340. %



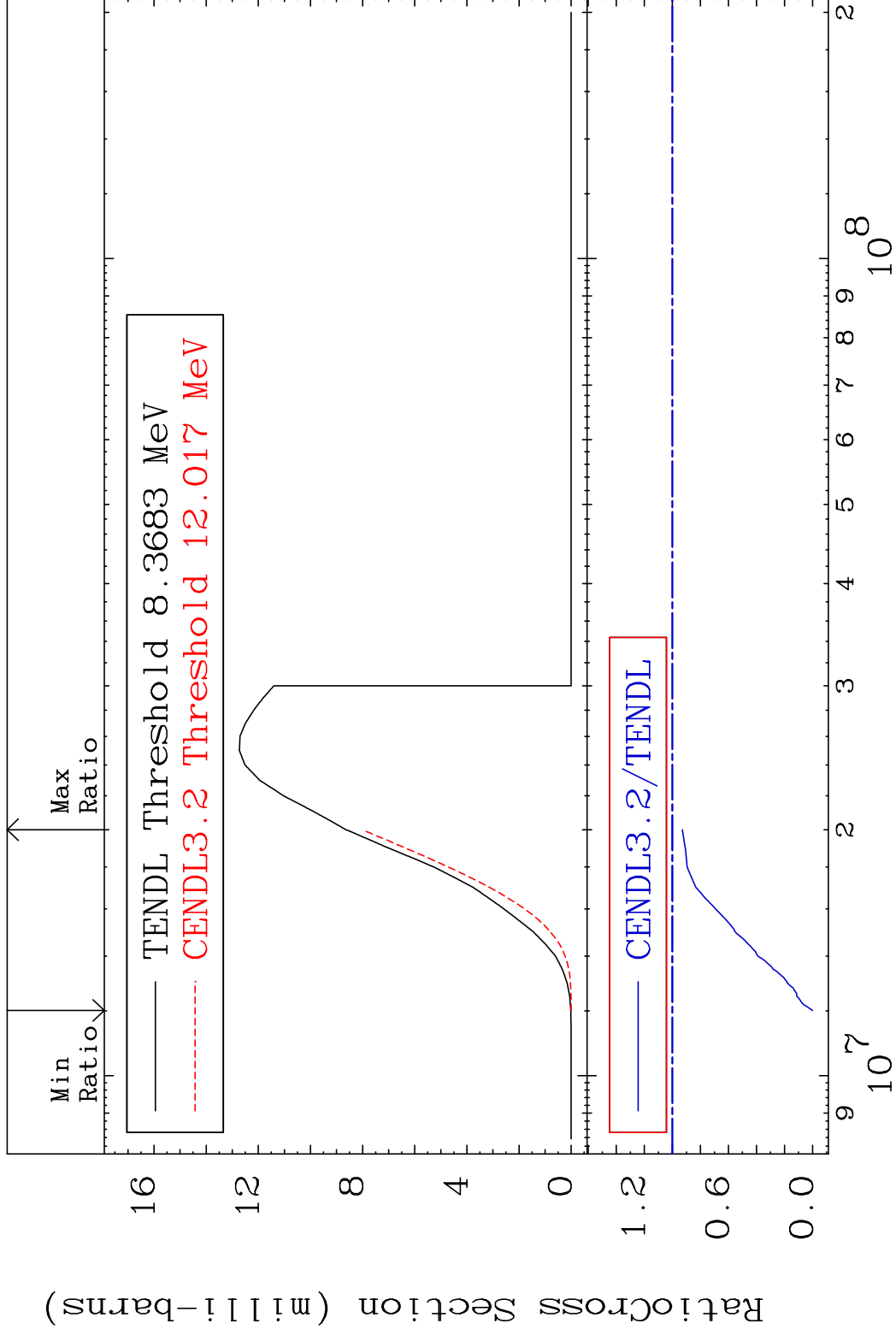
40 29-Cu-63

MAT 2925

(n, t)

29-Cu-63

Cross Section -100.0 To -7.105%



41

Incident Energy (eV)

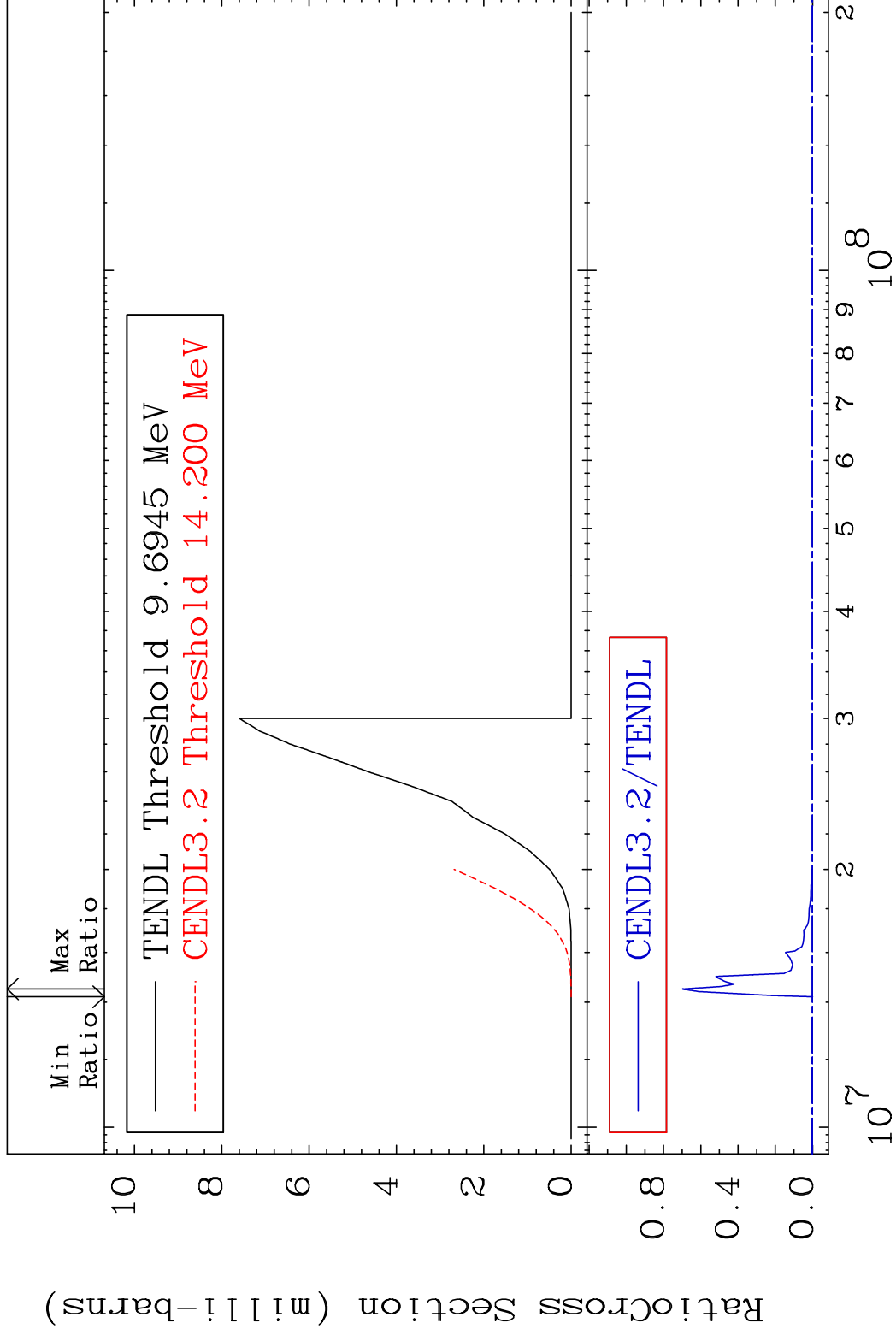
29-Cu-63

MAT 2925

(n, He-3)

29-Cu-63

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

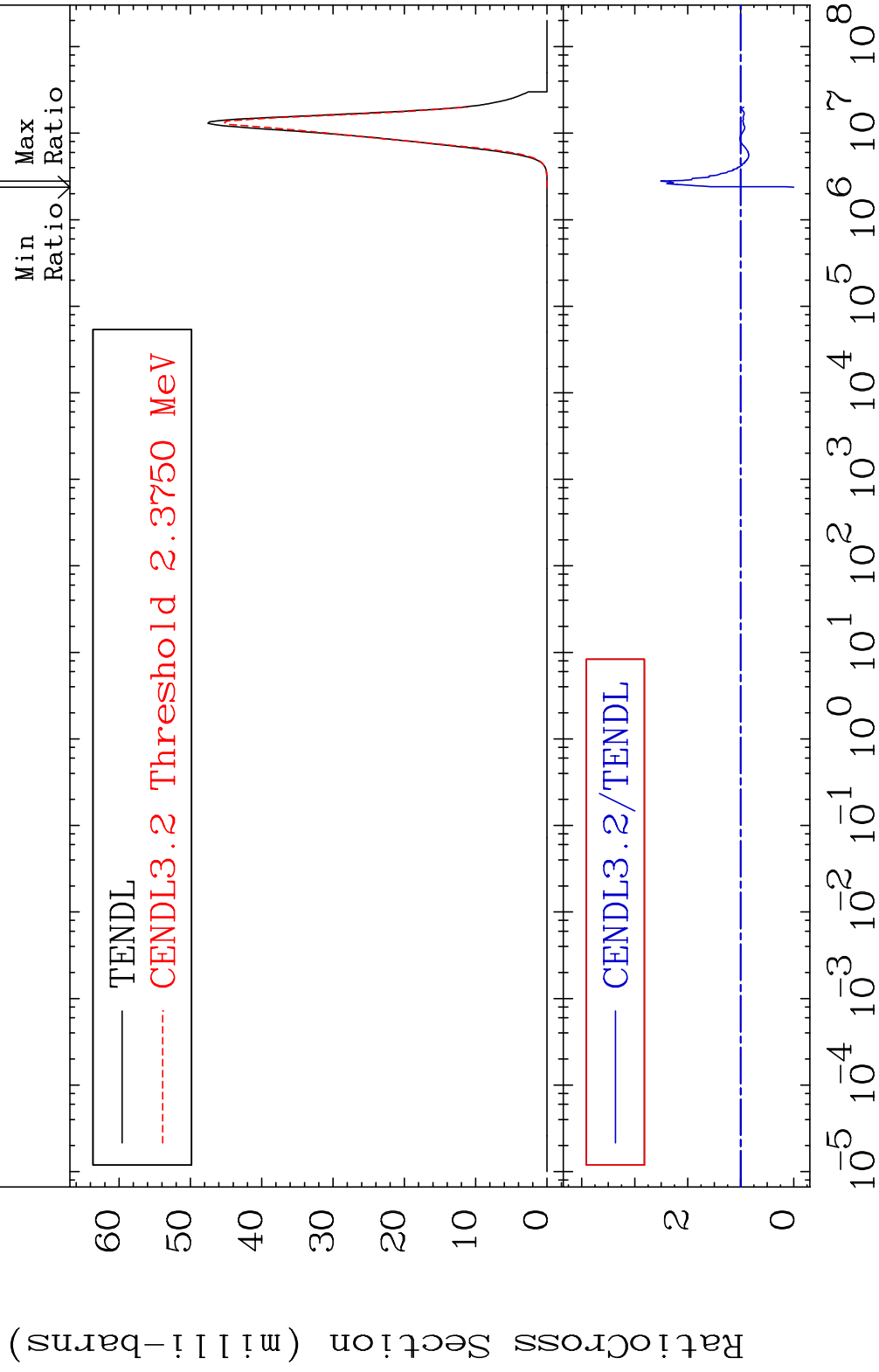
29-Cu-63

MAT 2925

(n, α)

29-Cu-63

Cross Section -100.0 To 151.1 %



43

Incident Energy (eV)

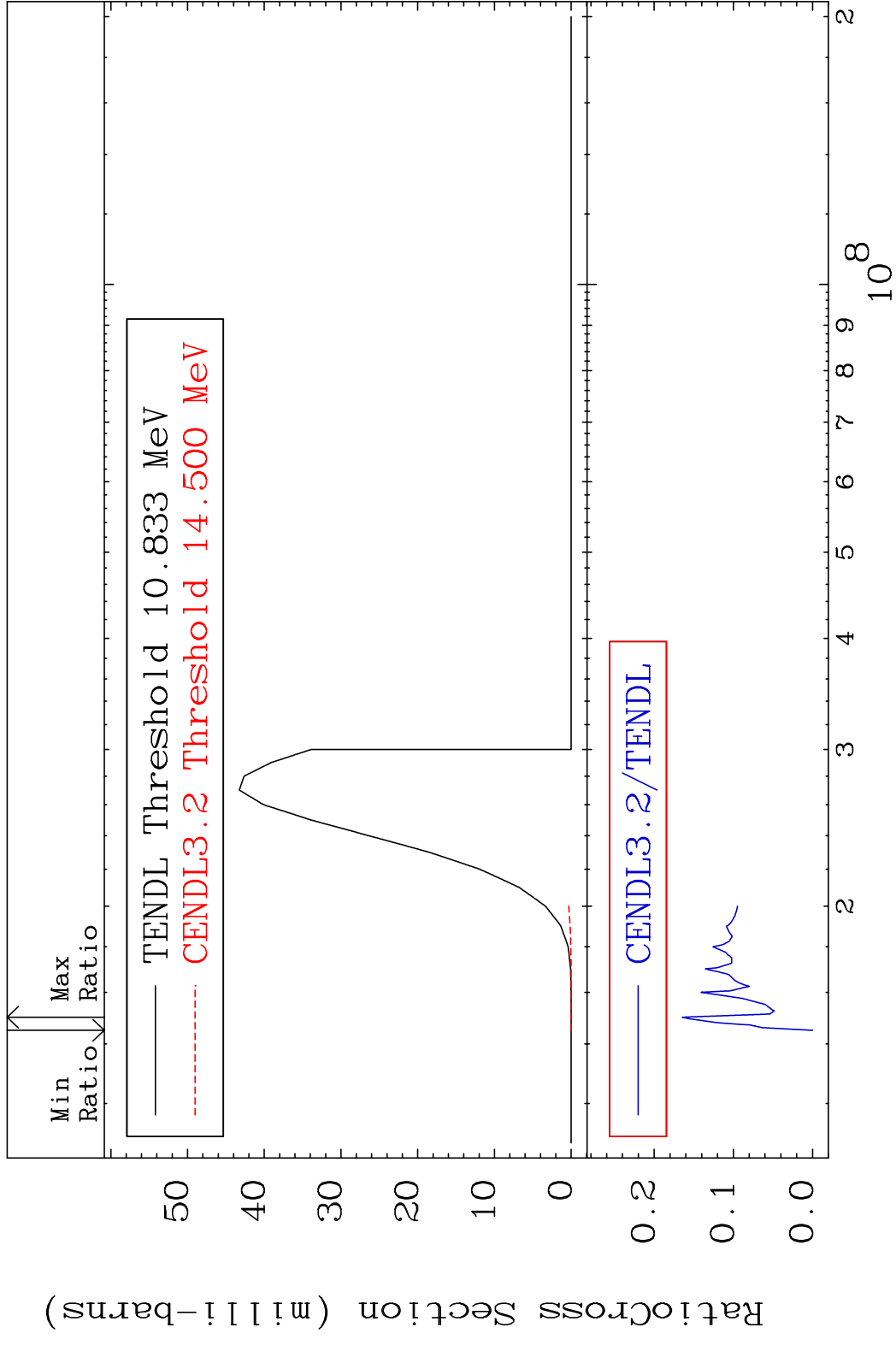
29-Cu-63

MAT 2925

(n,2p)

29-Cu-63

Cross Section -100.0 To -83.56%

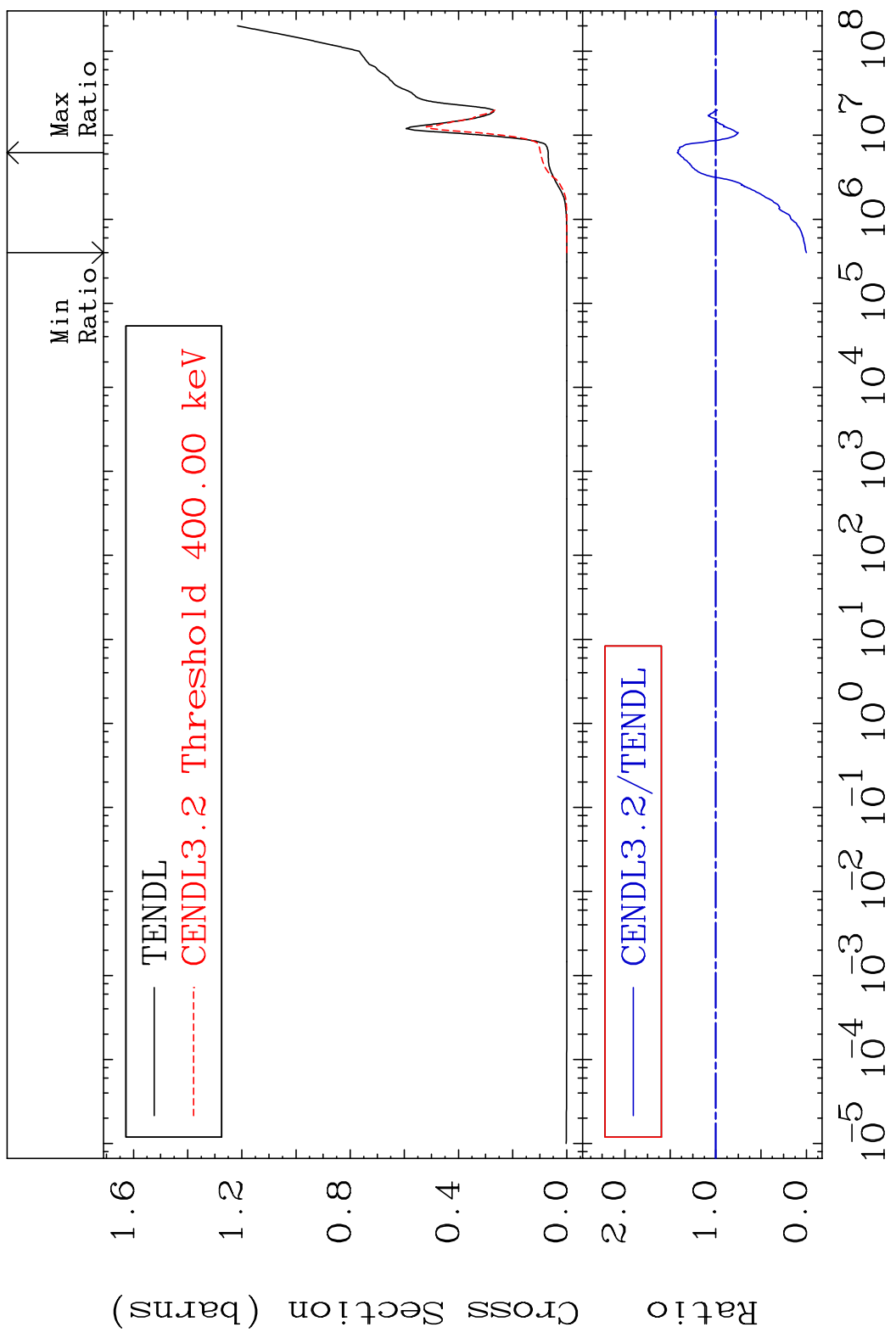


MAT 2925

Hydrogen Production

²⁹Cu-63

Cross Section -100.0 To 42.33 %



45

Incident Energy (eV)

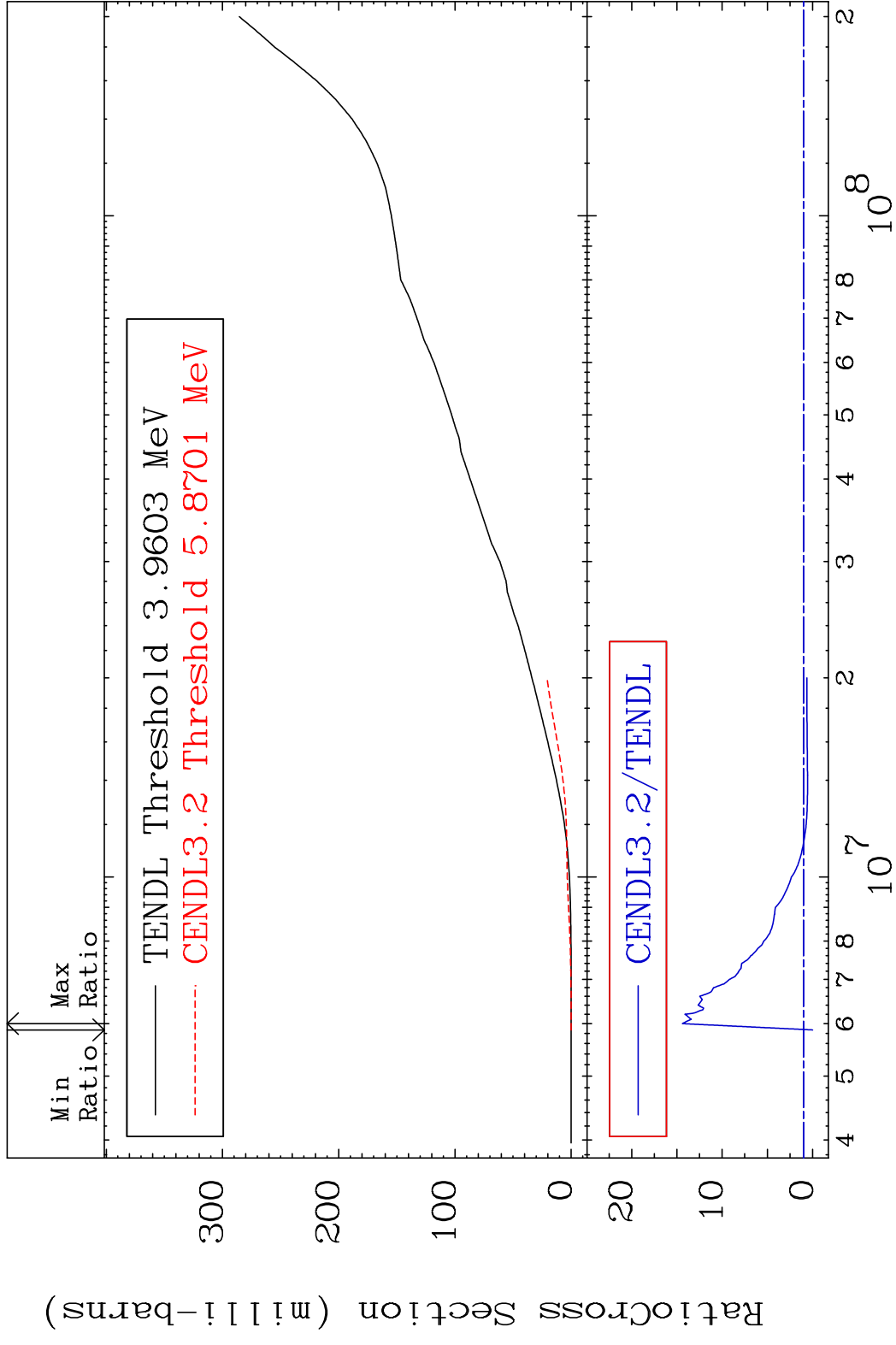
²⁹Cu-63

MAT 2925

Deuterium Production

²⁹Cu-63

Cross Section -100.0 To 1340. %

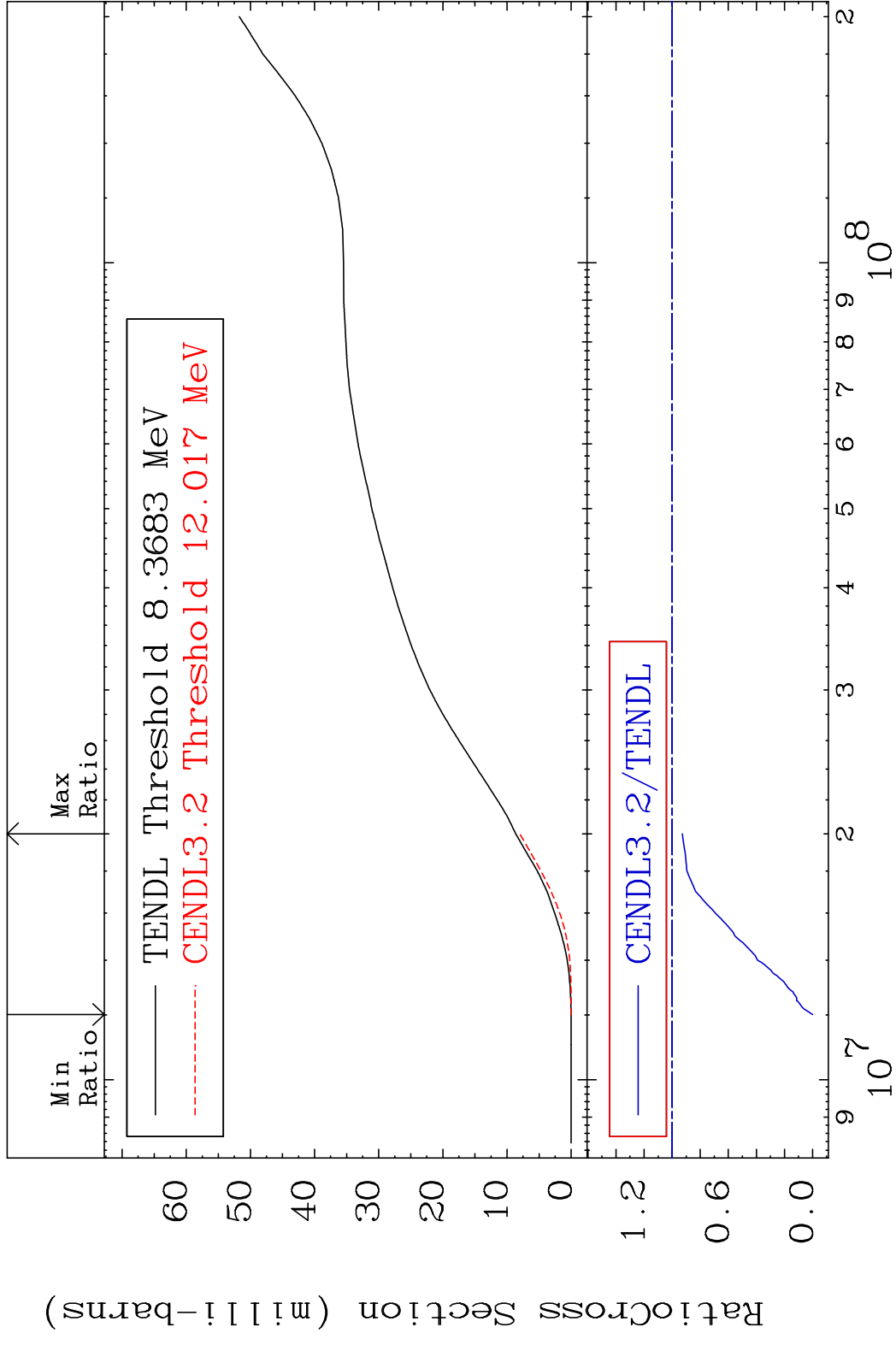


46

Incident Energy (eV)

²⁹Cu-63

MAT 2925 Tritium Production 29-Cu-63
 Cross Section -100.0 To -7.265%

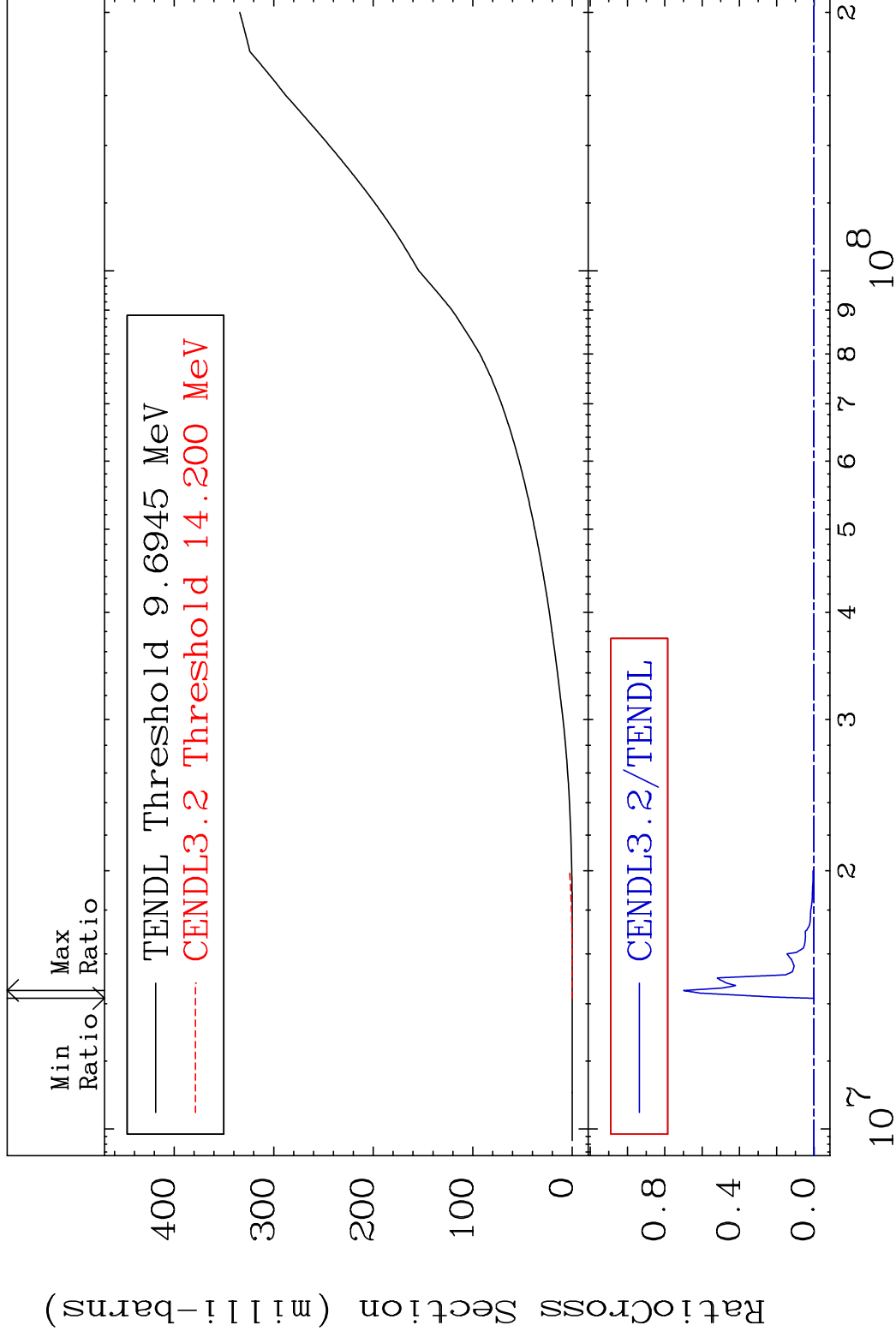


MAT 2925

He-3 Production

29-Cu-63

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

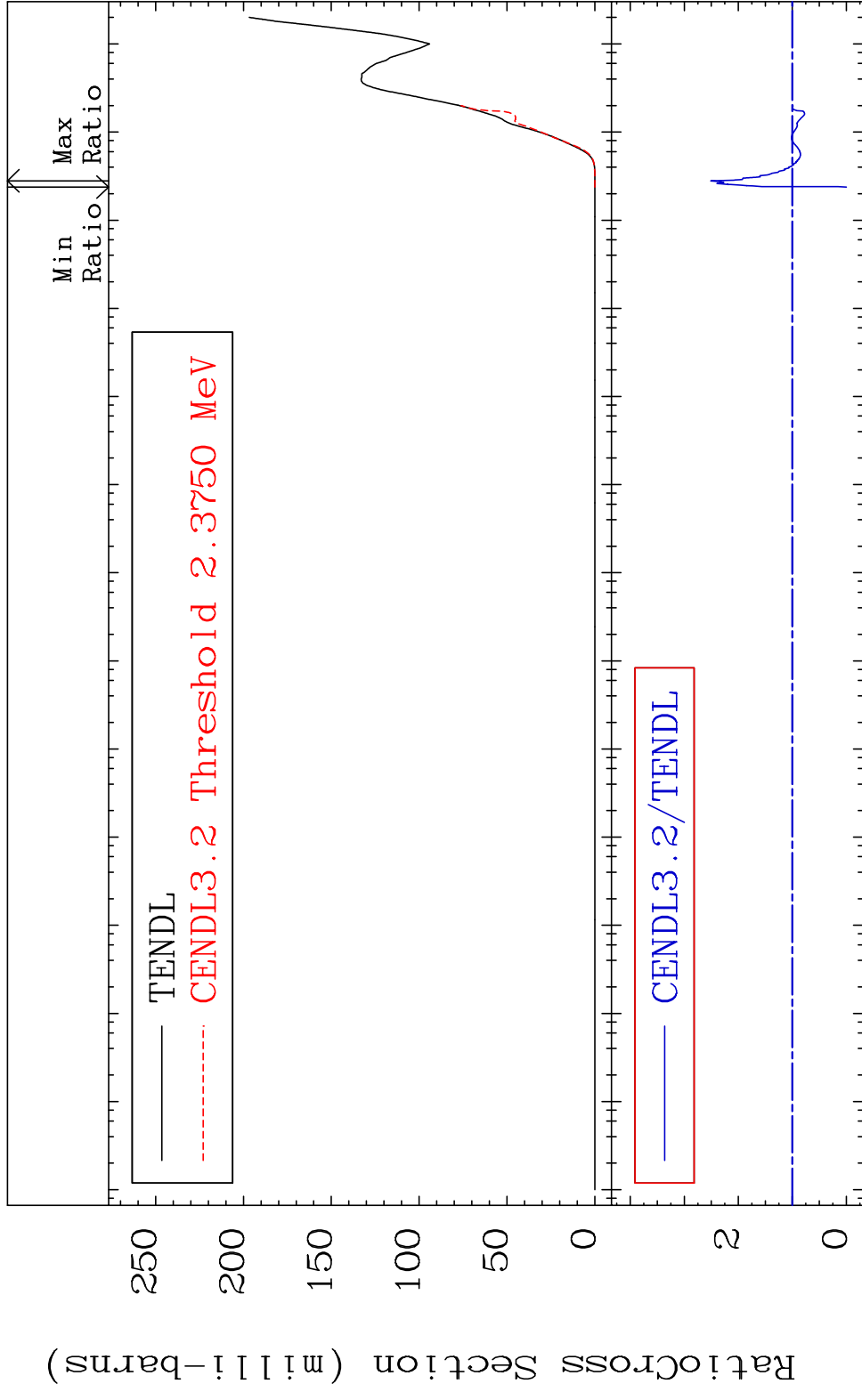
29-Cu-63

MAT 2925

He-4 Production

29-Cu-63

Cross Section -100.0 To 151.1 %

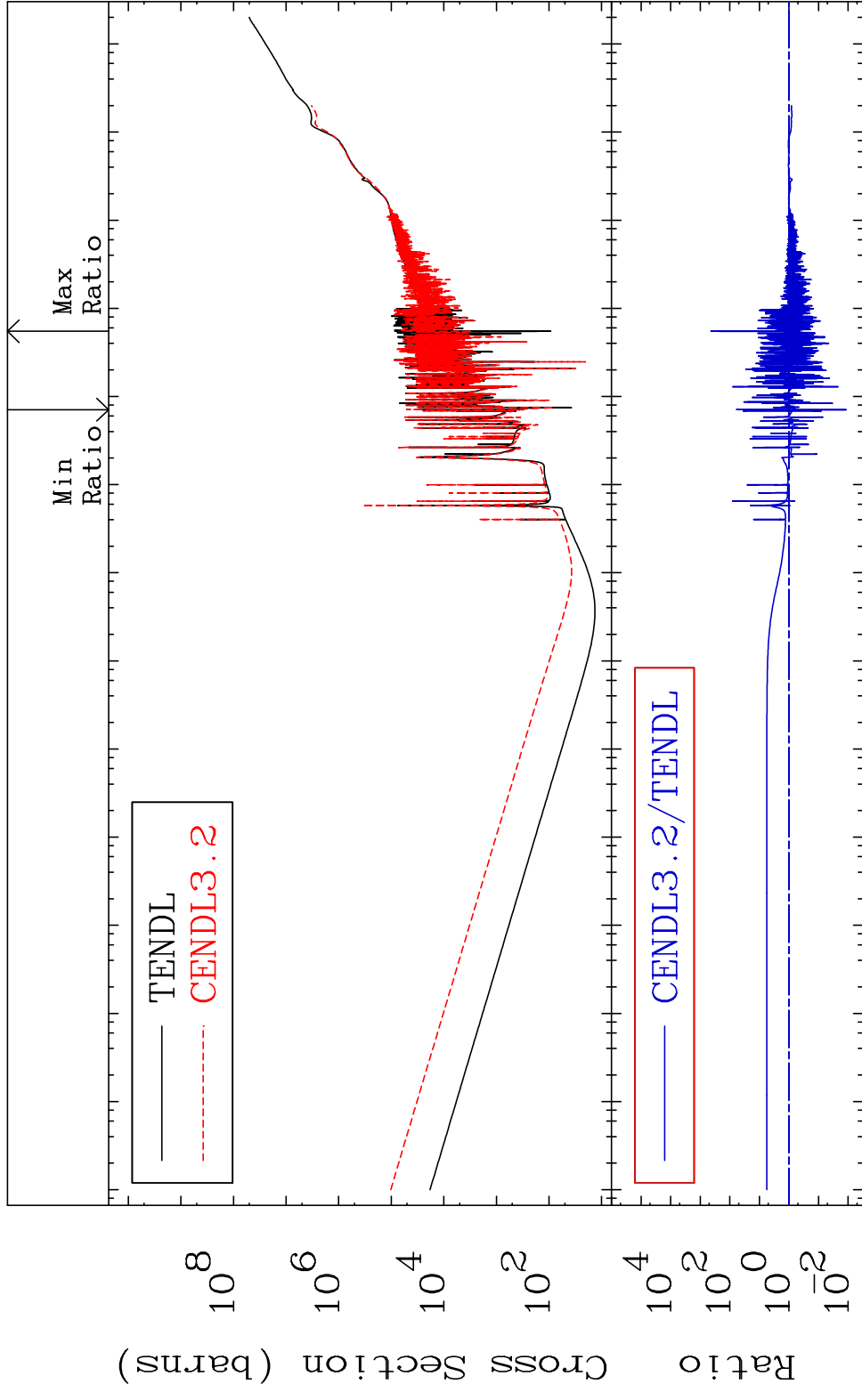


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Incident Energy (eV)

29-Cu-63

MAT 2925 Kerma total (eV-barns) 29-Cu-63
Cross Section -98.85 To 9999. %

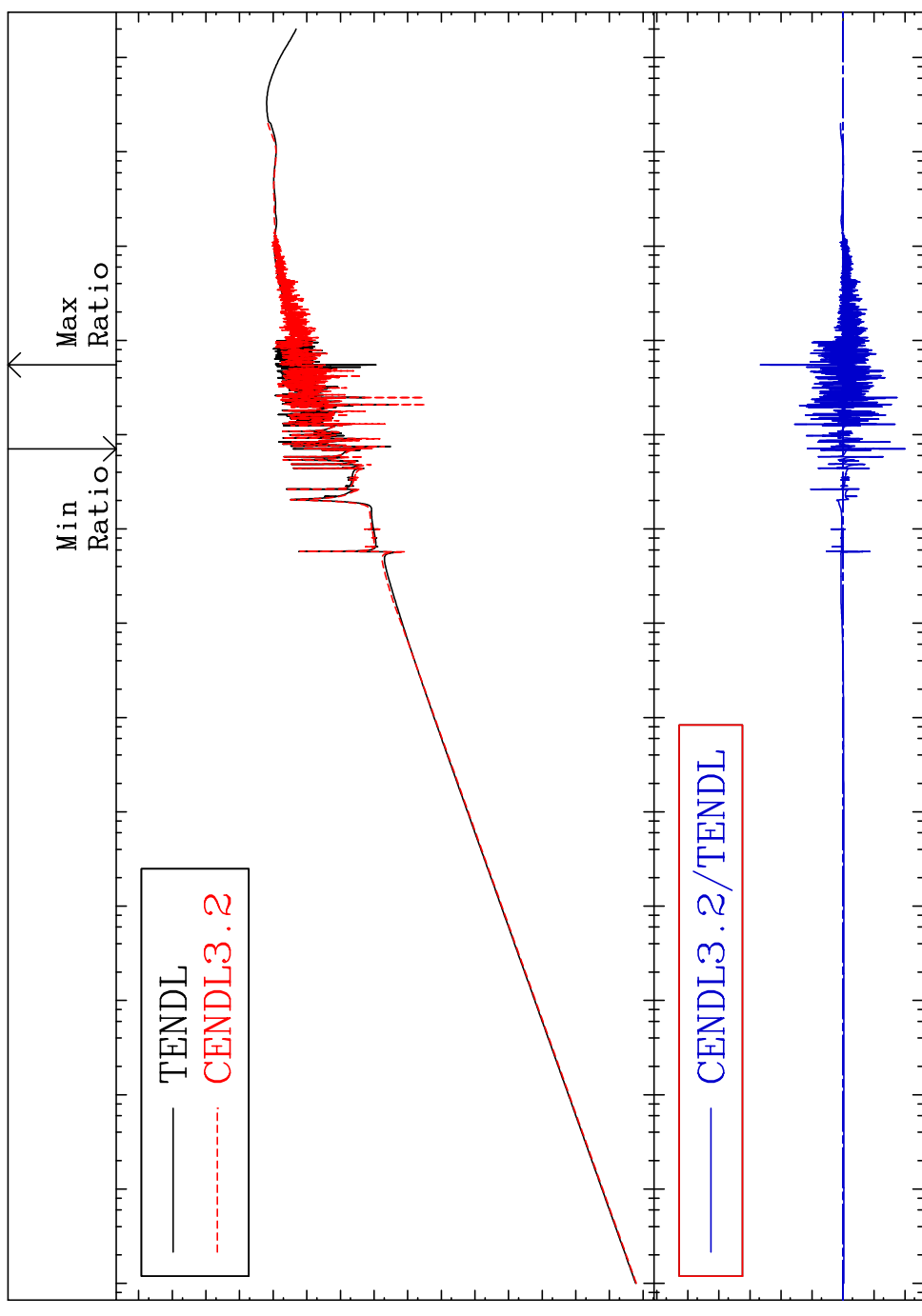


50 Incident Energy (eV) 29-Cu-63

MAT 2925

Kerma elastic Cross Section -99.01 To 9999. %

29-Cu-63

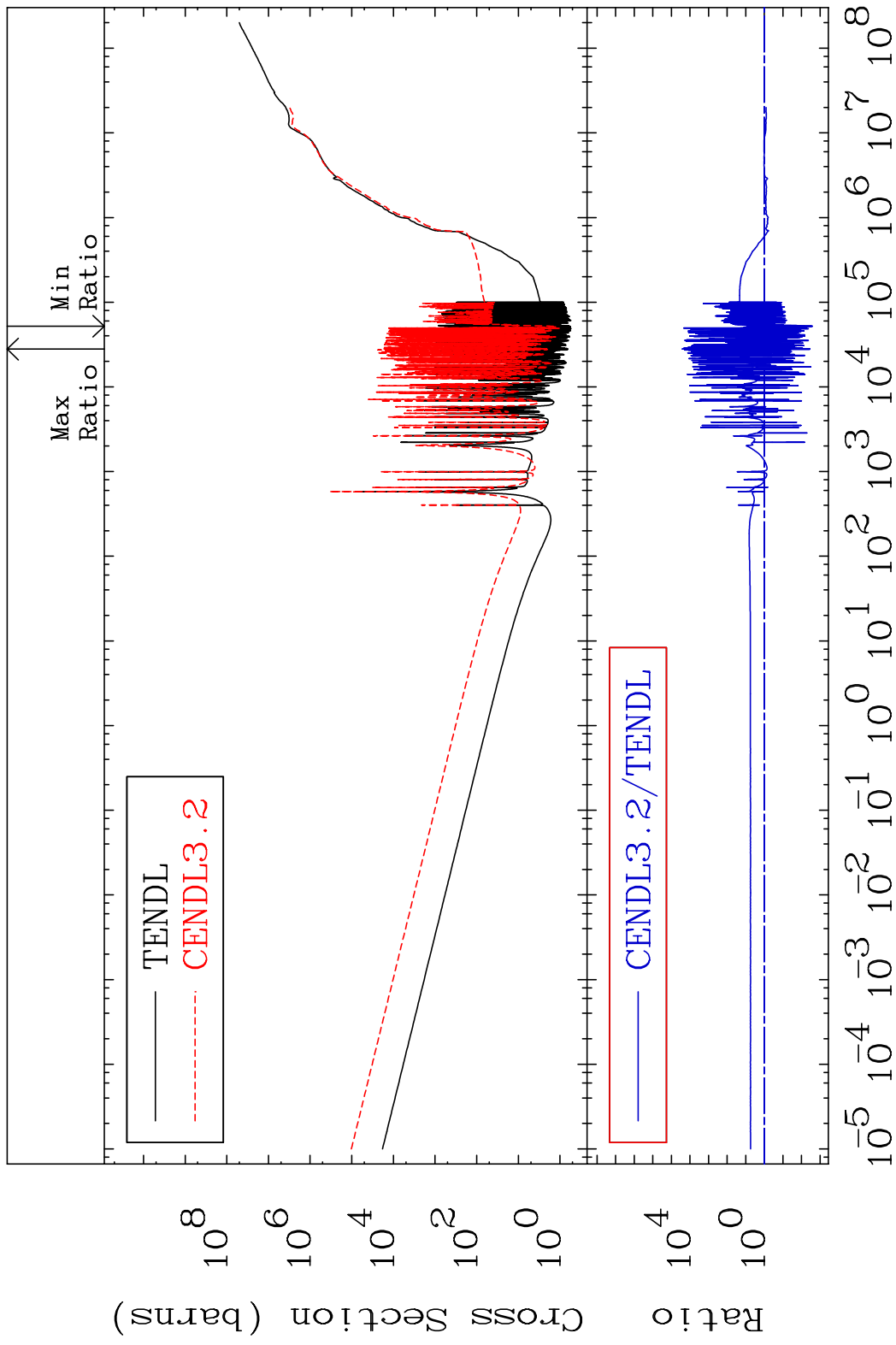


10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
Cross Section (barns)

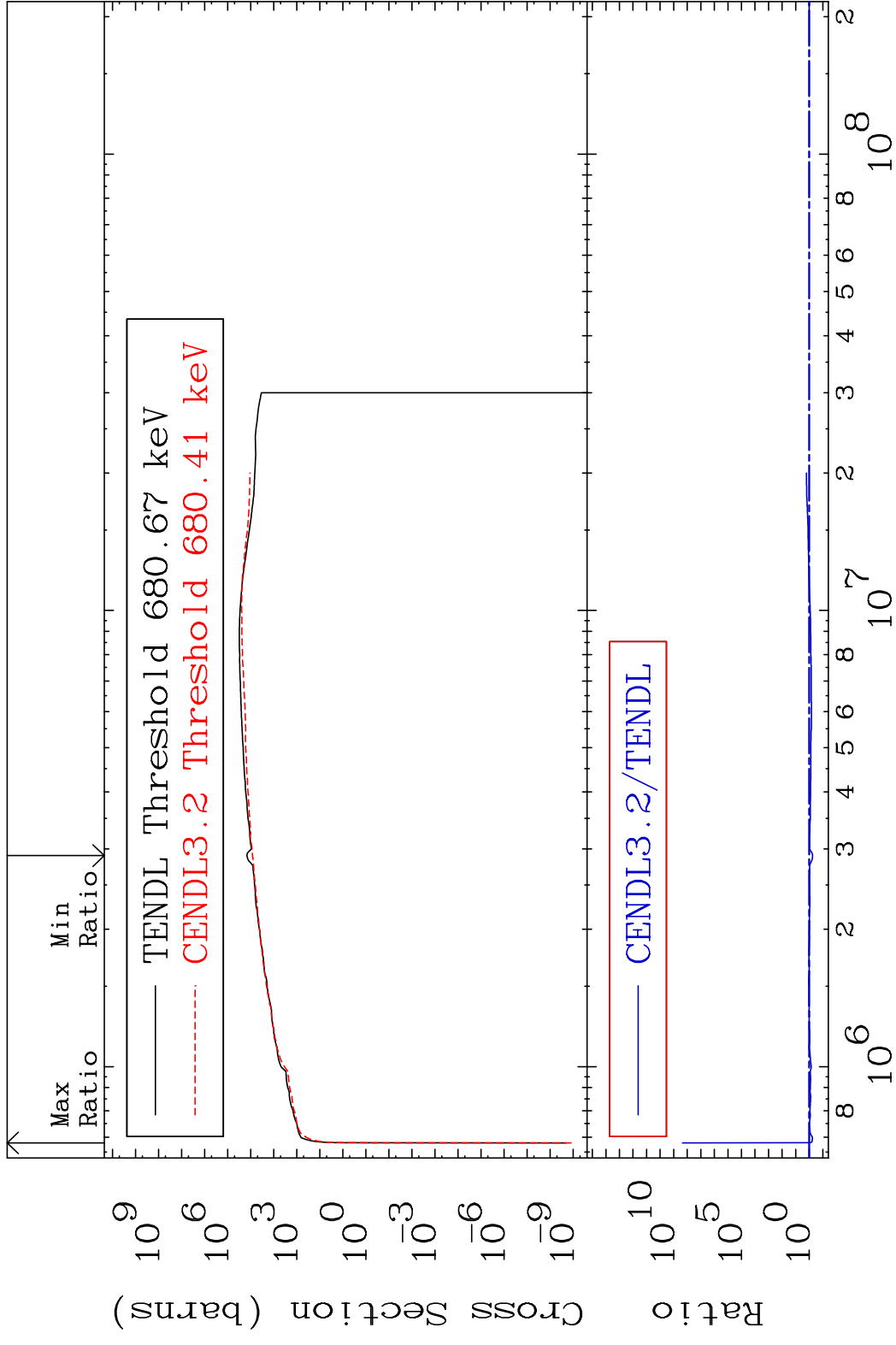
10^3
 10^0
Ratio

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)

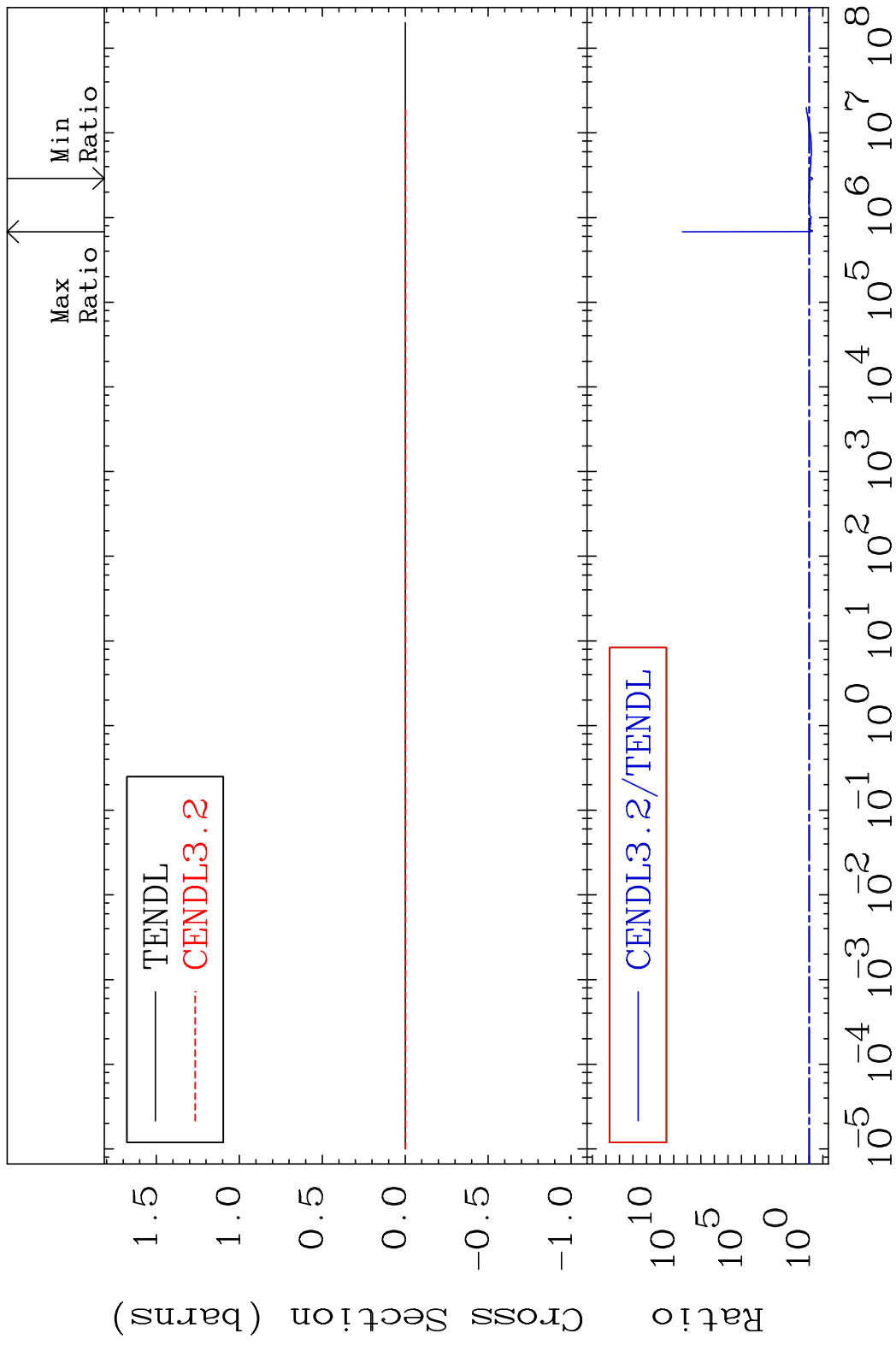
MAT 2925 Kerma non-elastic (all but mt2) 29-Cu-63
 Cross Section -99.74 To 9999. %



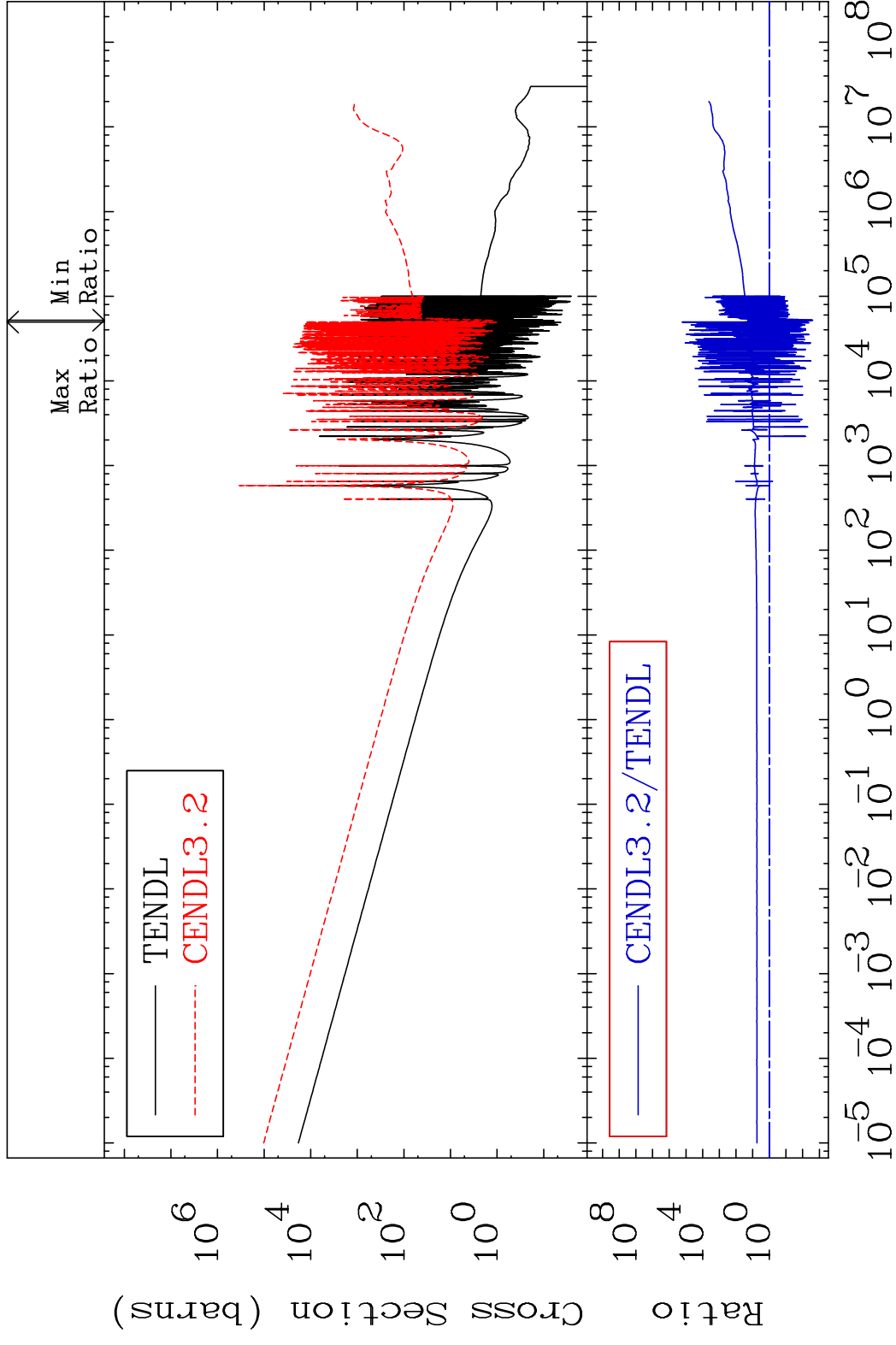
MAT 2925 Kerma inelastic (mt51-91) 29-Cu-63
 Cross Section -43.30 To 9999. %



MAT 2925 Kerma fission (mt18 or mt19-20-21-38) 29-Cu-63
 Cross Section -43.30 To 9999. %

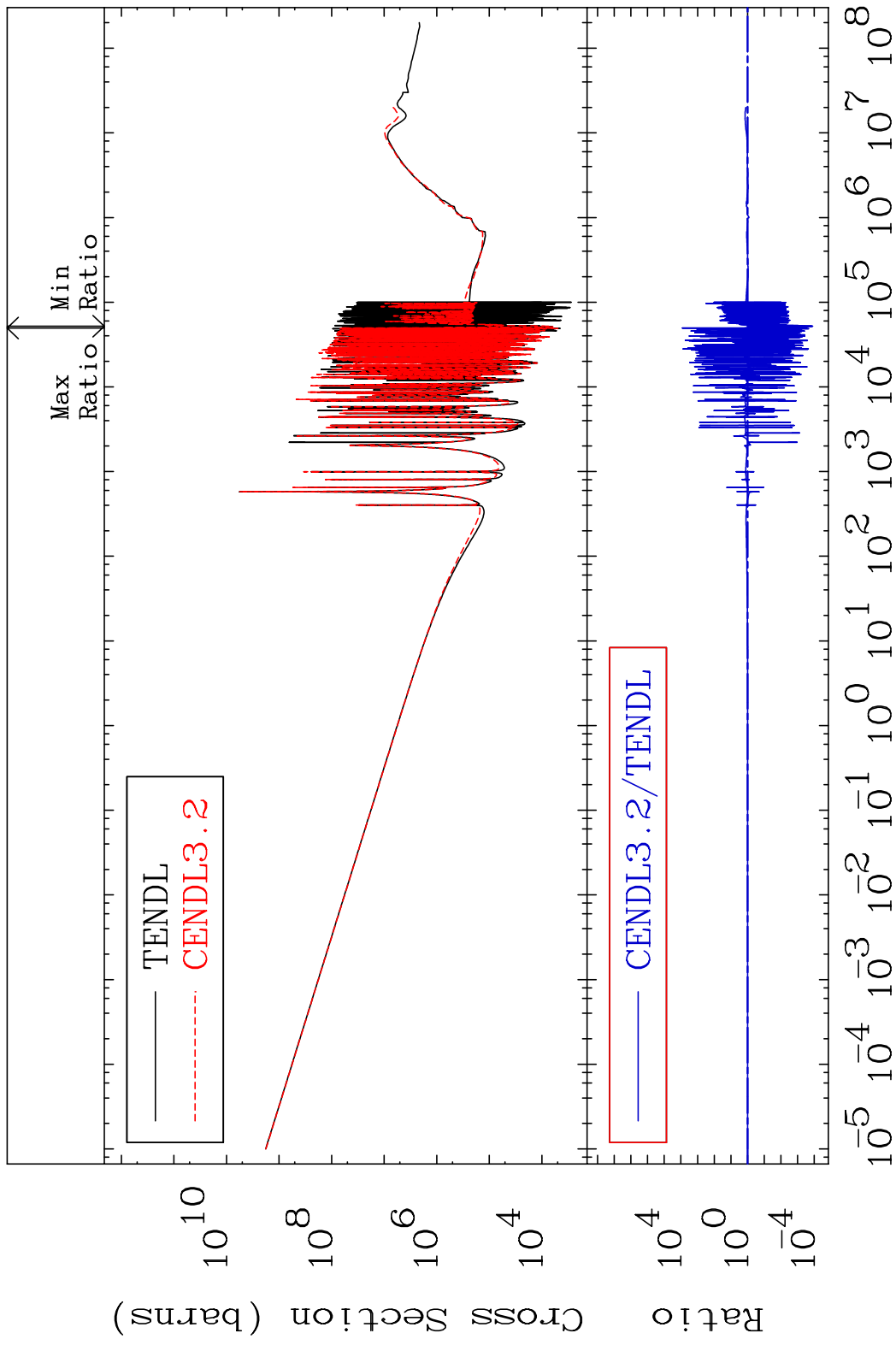


MAT 2925 Kerma capture (mt102) 29-Cu-63
 Cross Section -99.74 To 9999. %



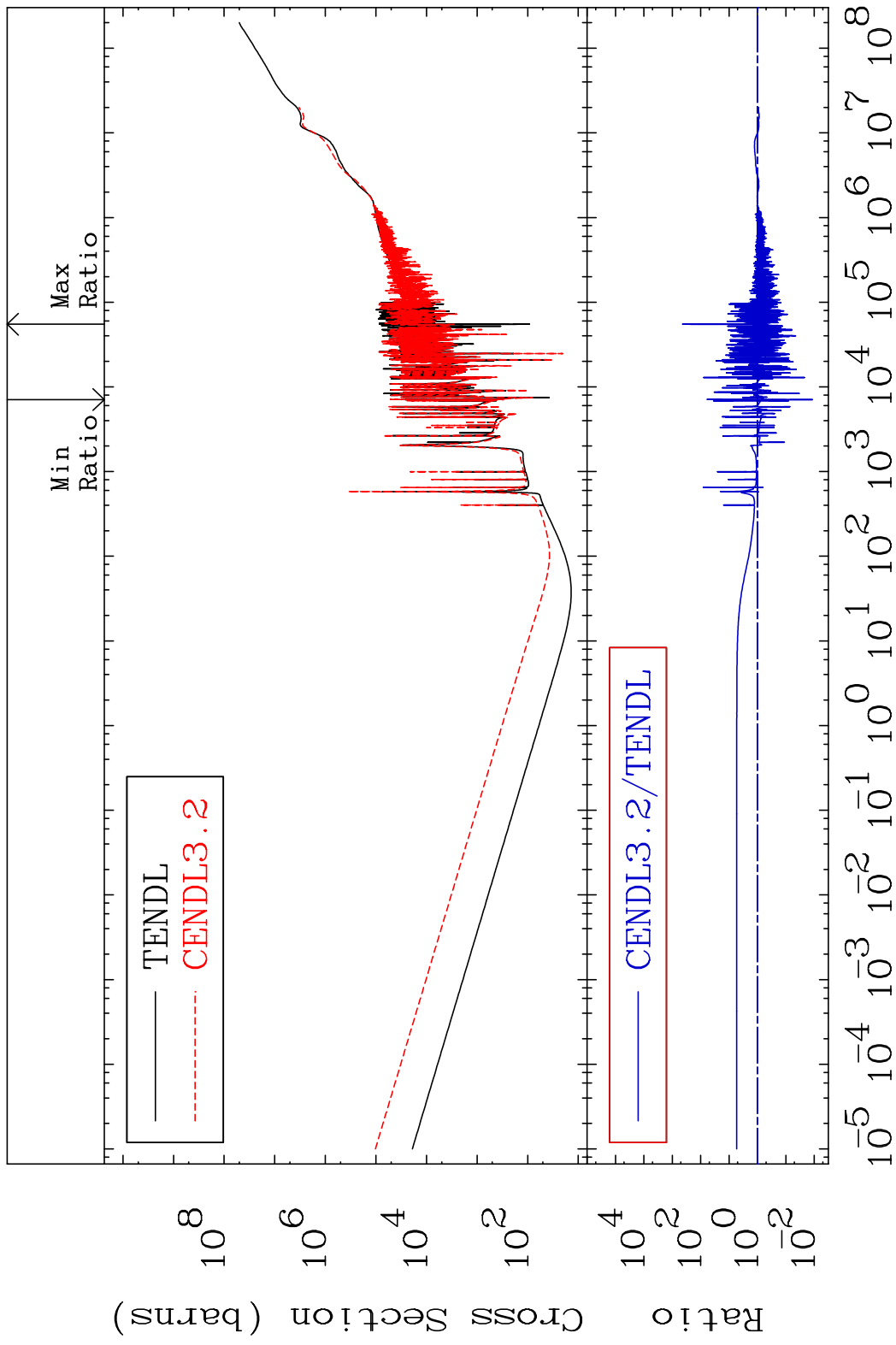
55 Incident Energy (eV) 29-Cu-63

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

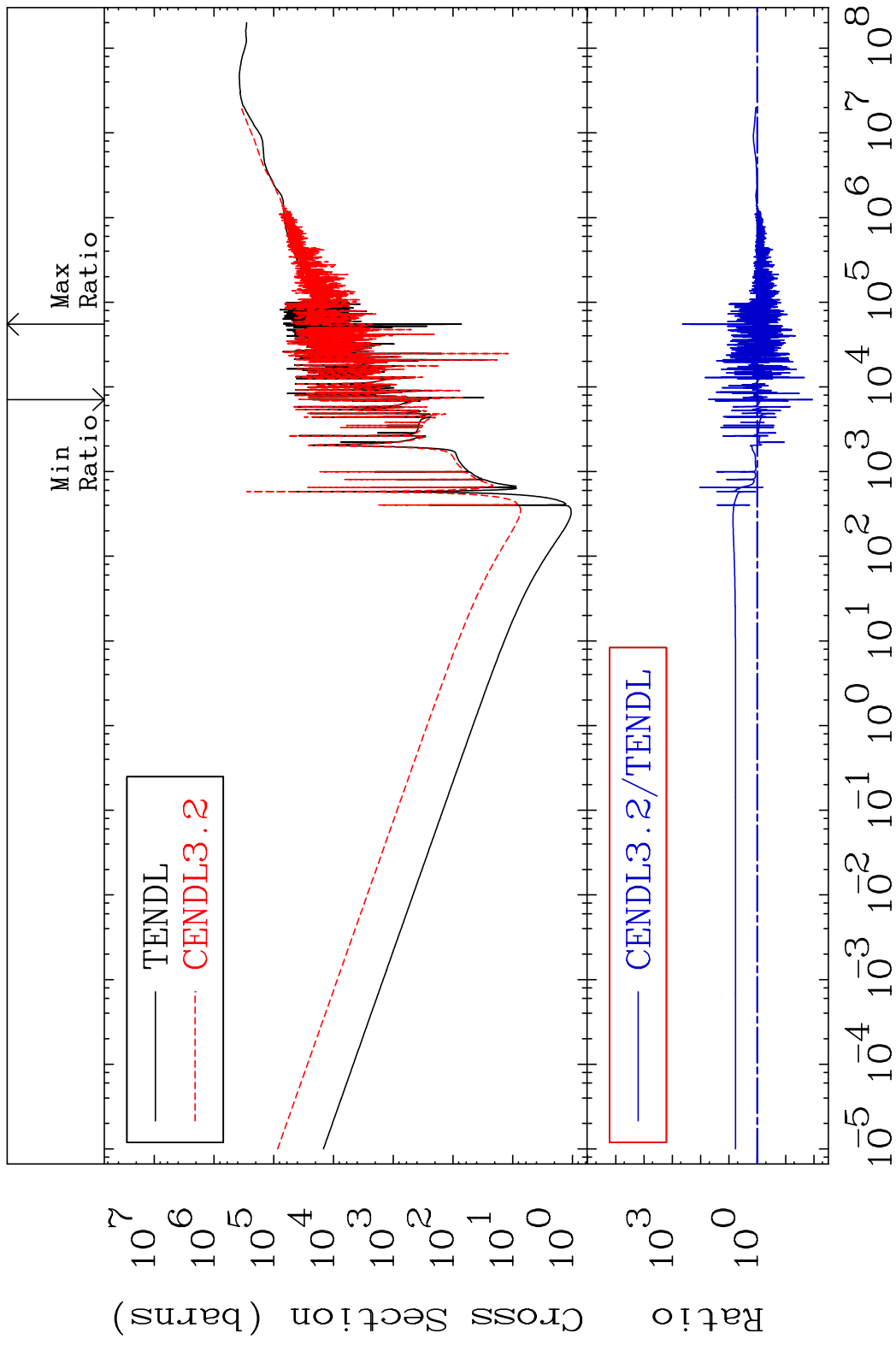


56 Incident Energy (eV) 29-Cu-63

MAT 2925 Total kinematic kerma (high limit) 29-Cu-63
 Cross Section -98.85 To 9999. %



MAT 2925 Dpa total (eV-barns) 29-Cu-63
 Cross Section -98.88 To 9999. %

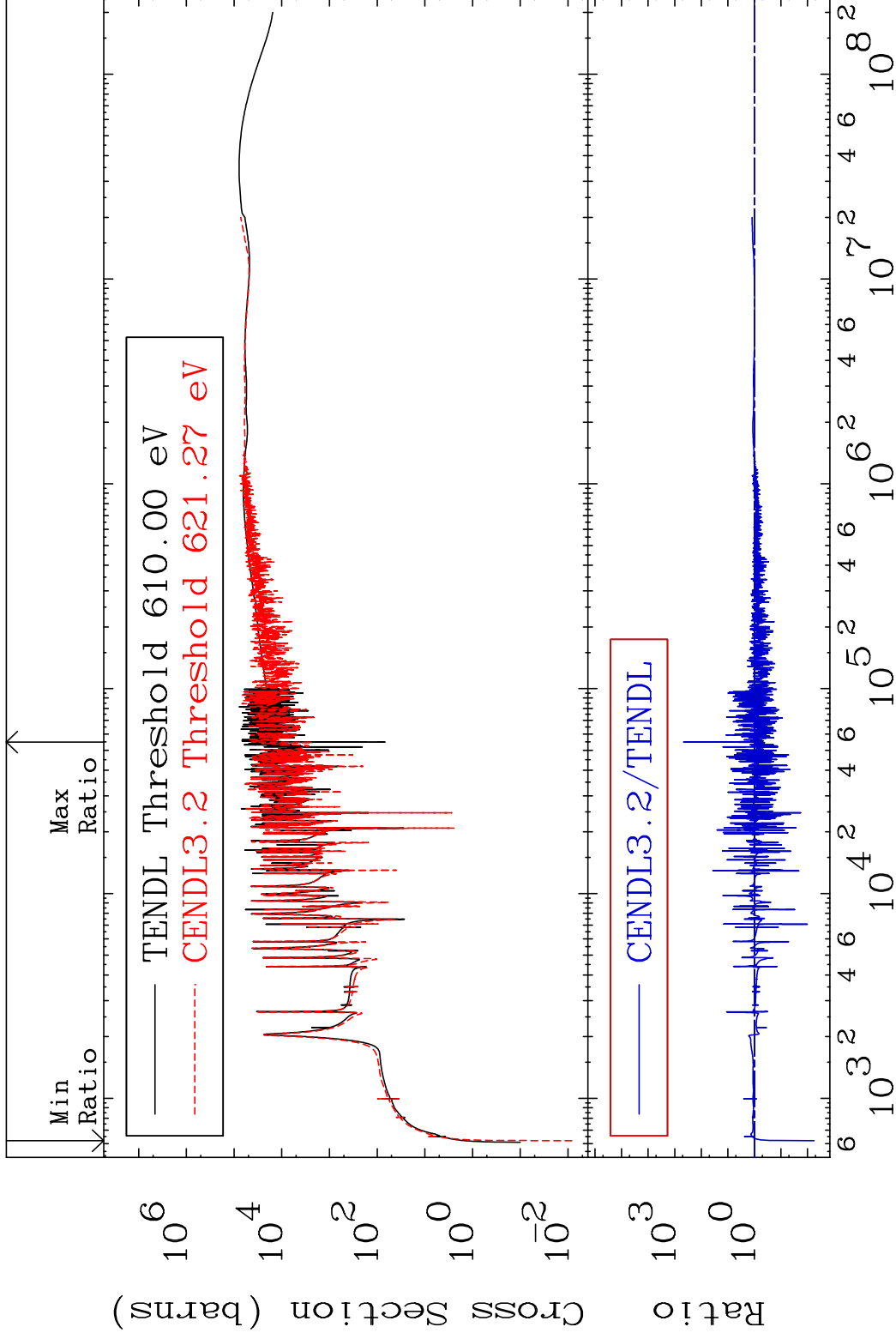


MAT 2925

Dpa elastic (mt2)

29-Cu-63

Cross Section -99.43 To 9999. %

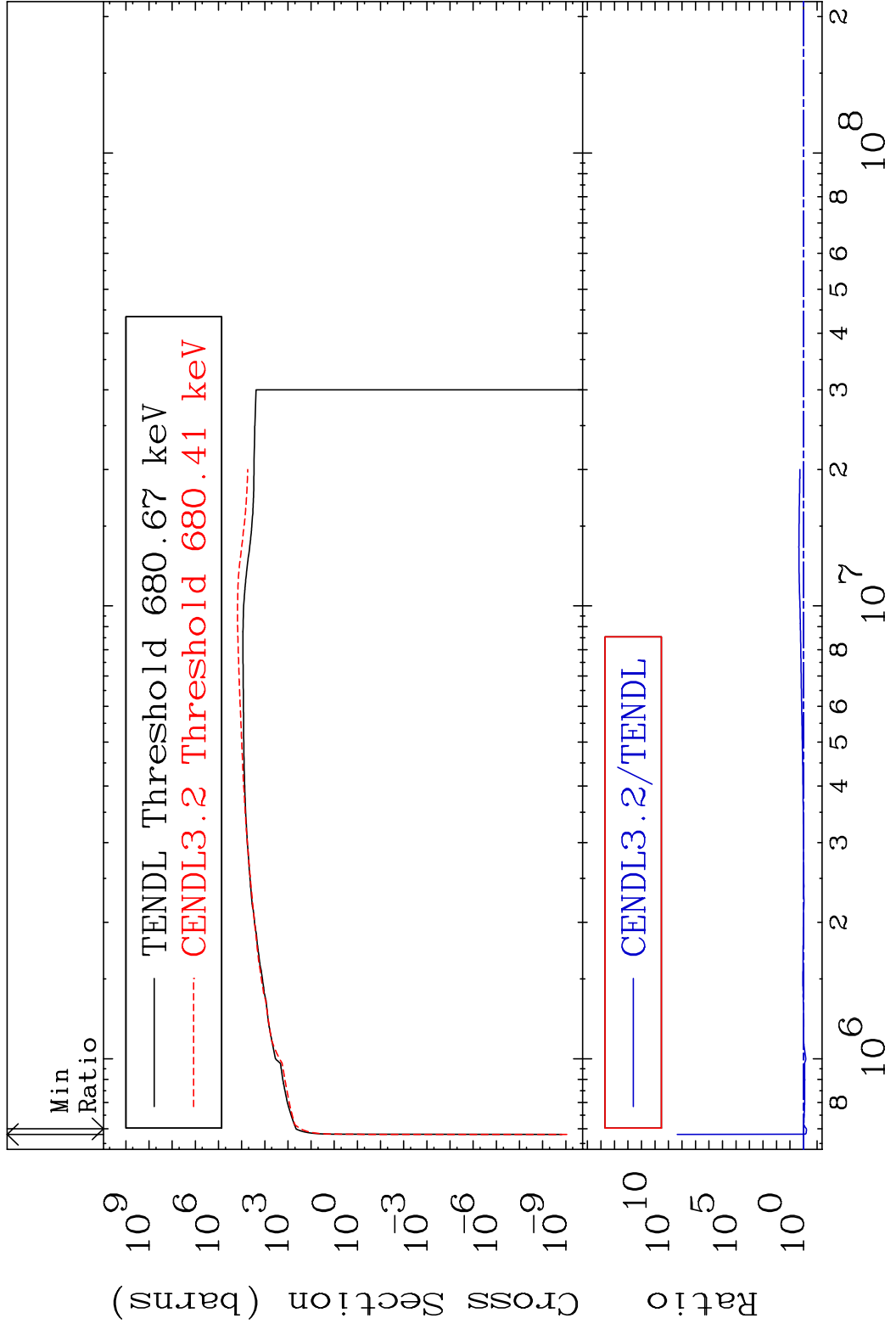


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Incident Energy (eV)

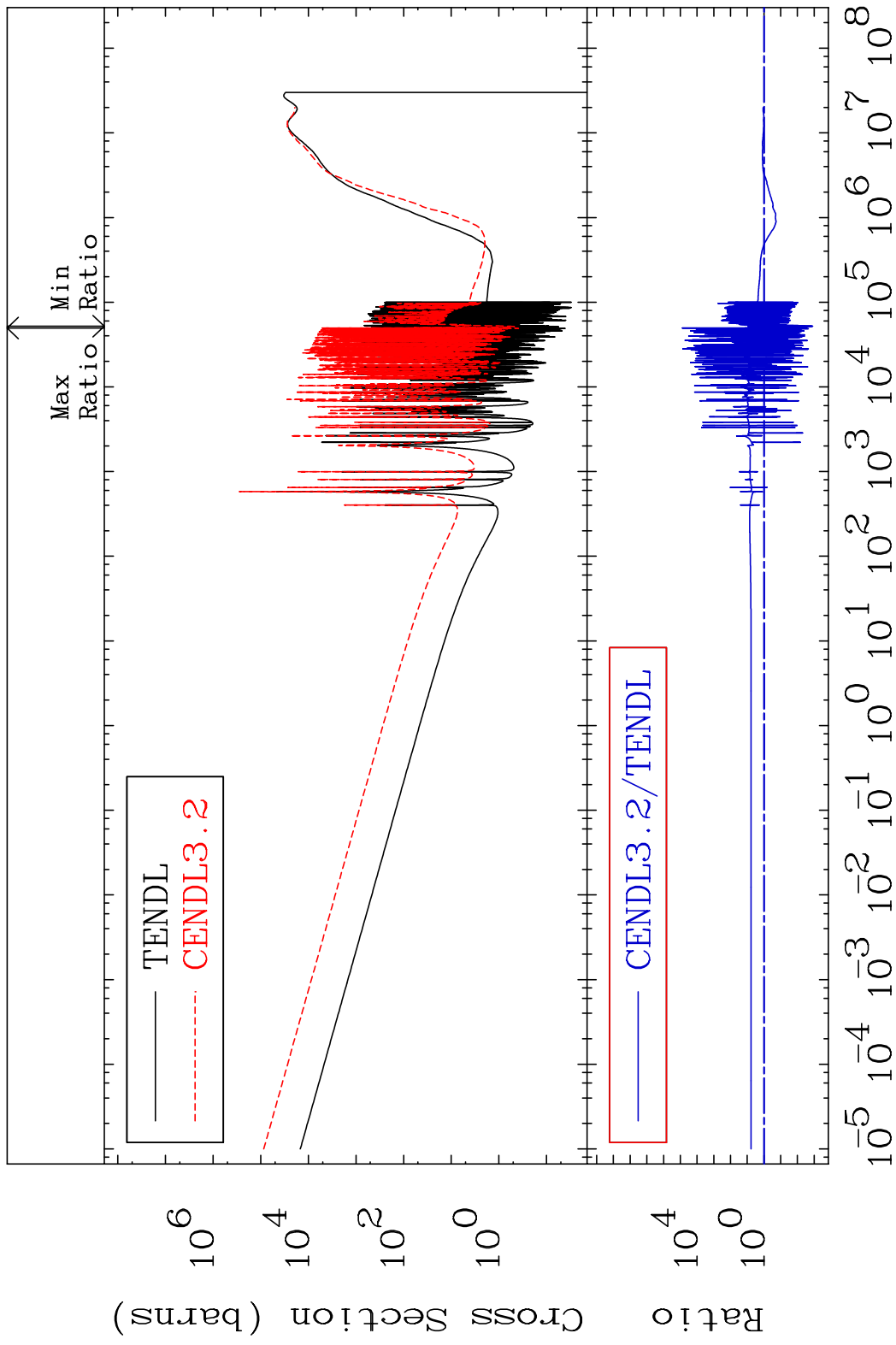
29-Cu-63

MAT 2925 Dpa inelastic (mt51-91) 29-Cu-63
 Cross Section -38.63 To 9999. %

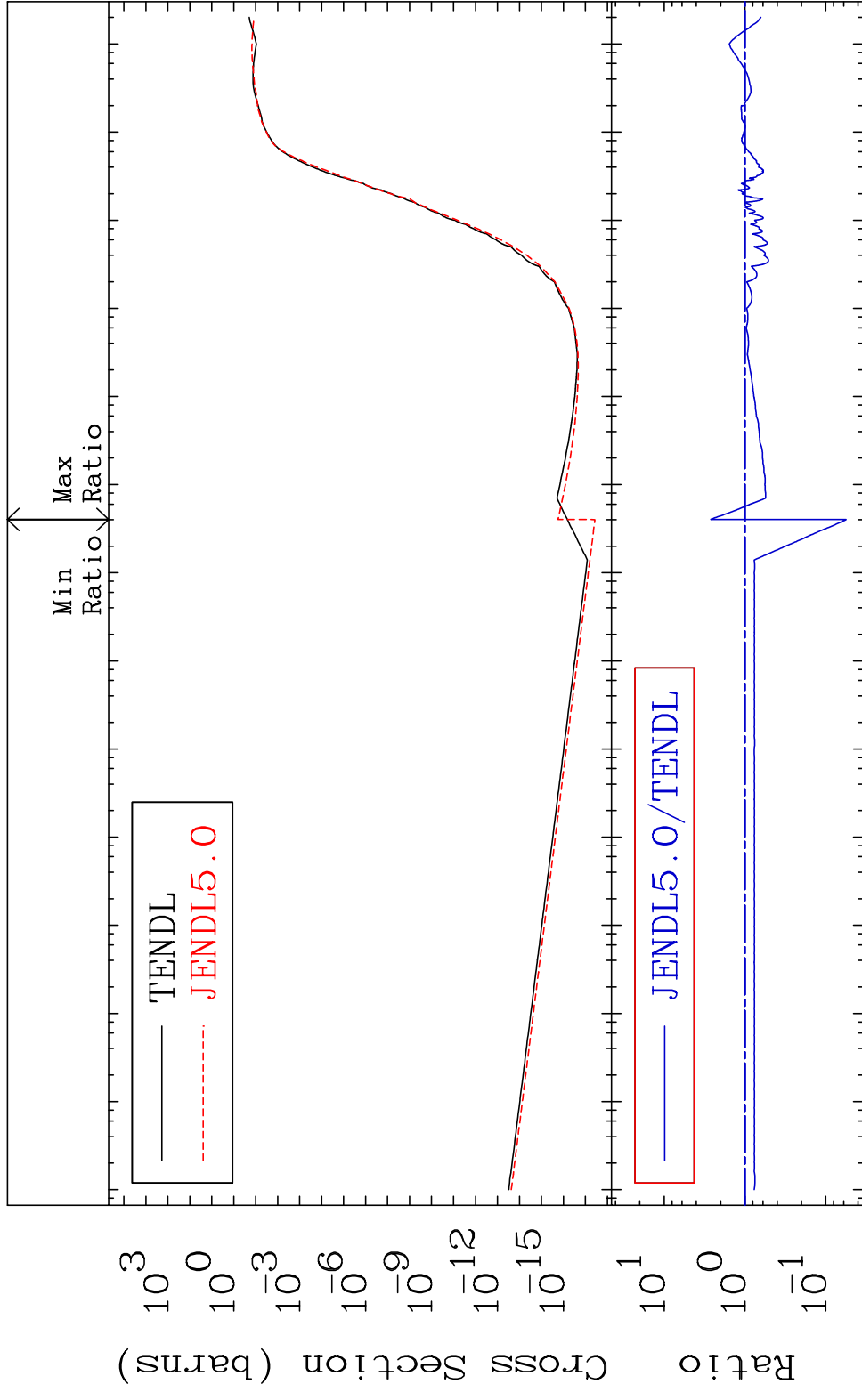


60 Incident Energy (eV) 29-Cu-63

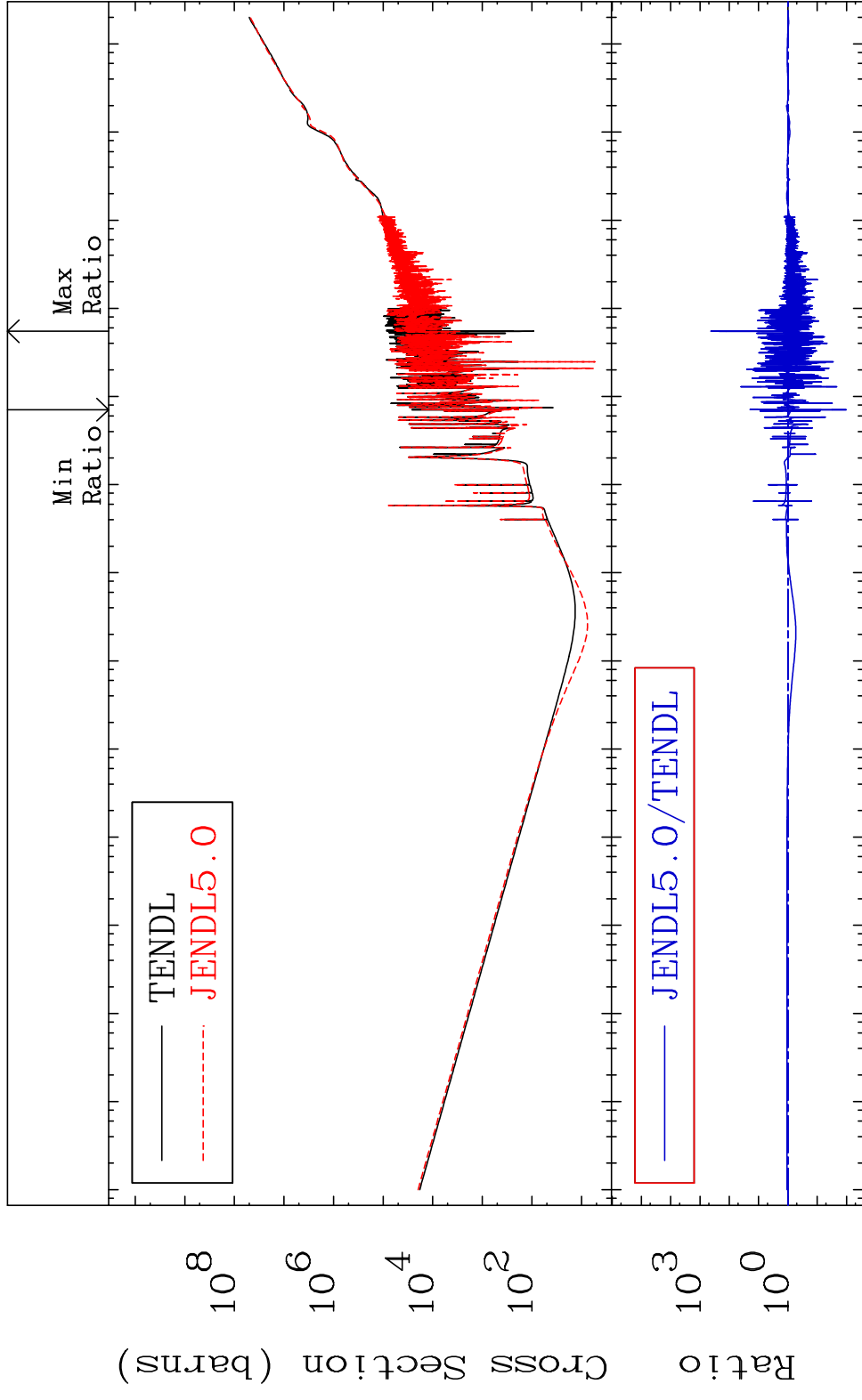
MAT 2925 Dpa disappearance (mt102 -120) 29-Cu-63
 Cross Section -99.88 To 9999. %



MAT 2925 He-4 Production 29-Cu-63
 Cross Section -94.42 To 165.5 %



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



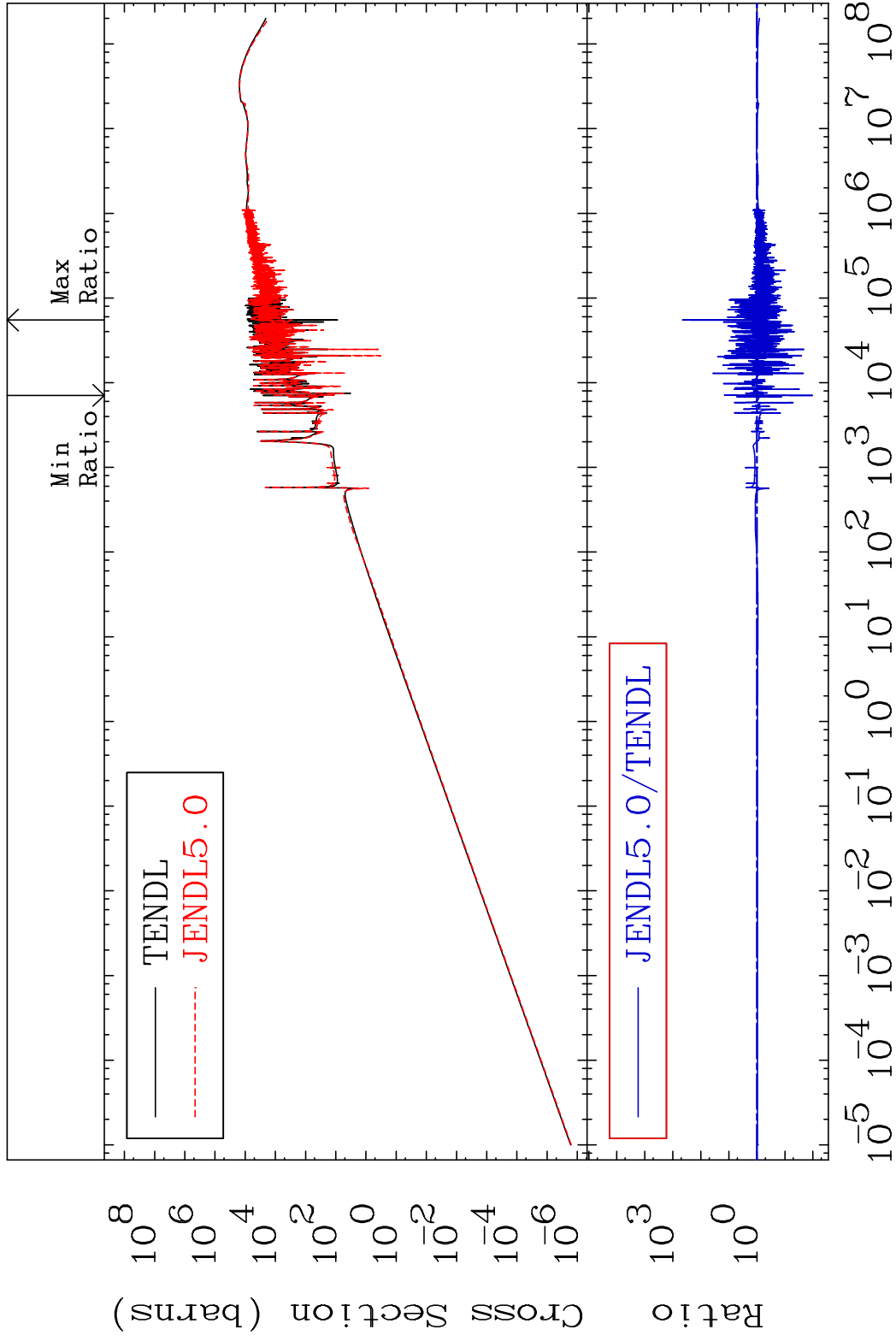
63 Incident Energy (eV) 29-Cu-63

MAT 2925

Kerma elastic

29-Cu-63

Cross Section -98.97 To 9999. %

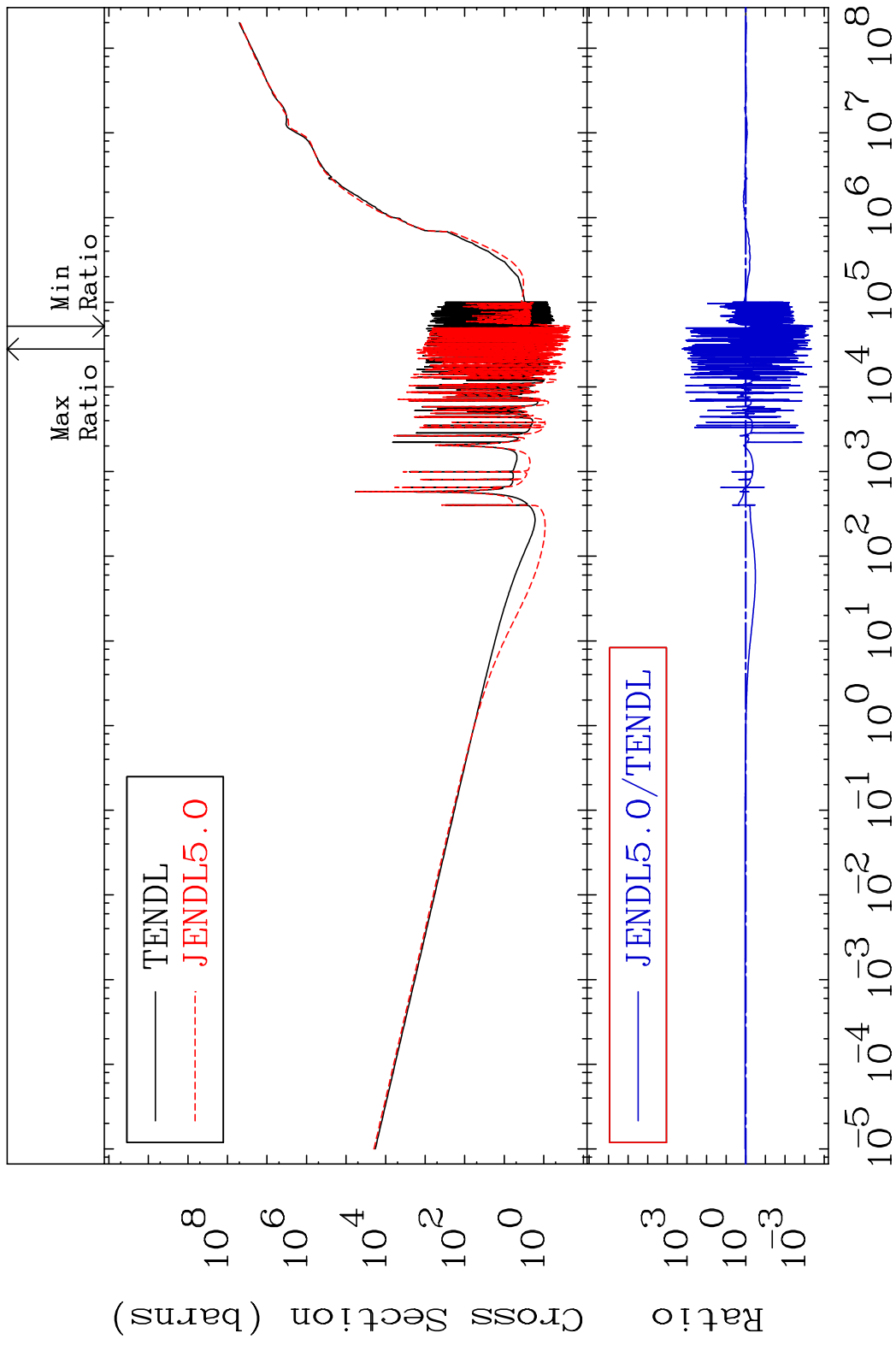


64

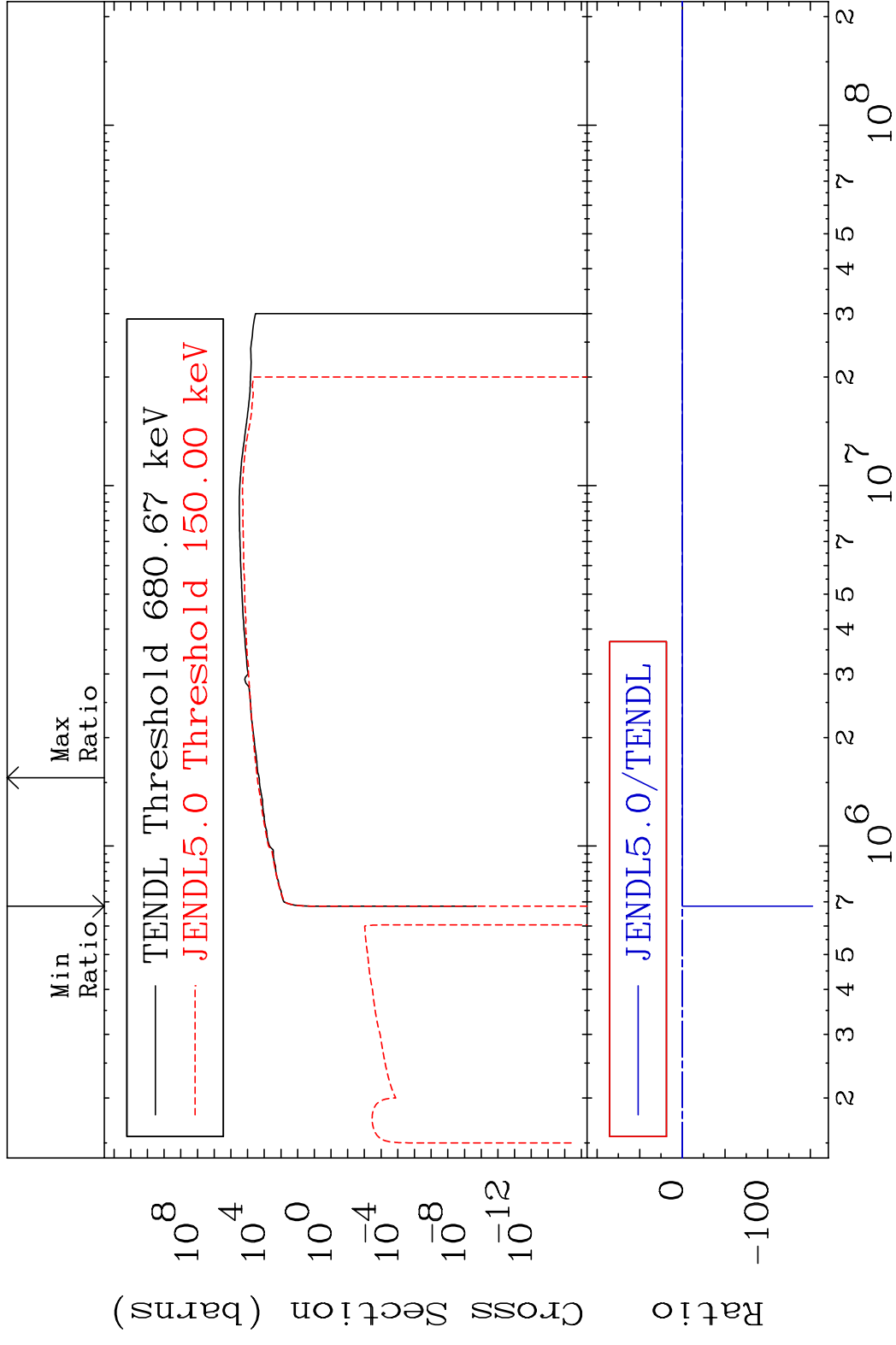
Incident Energy (eV)

29-Cu-63

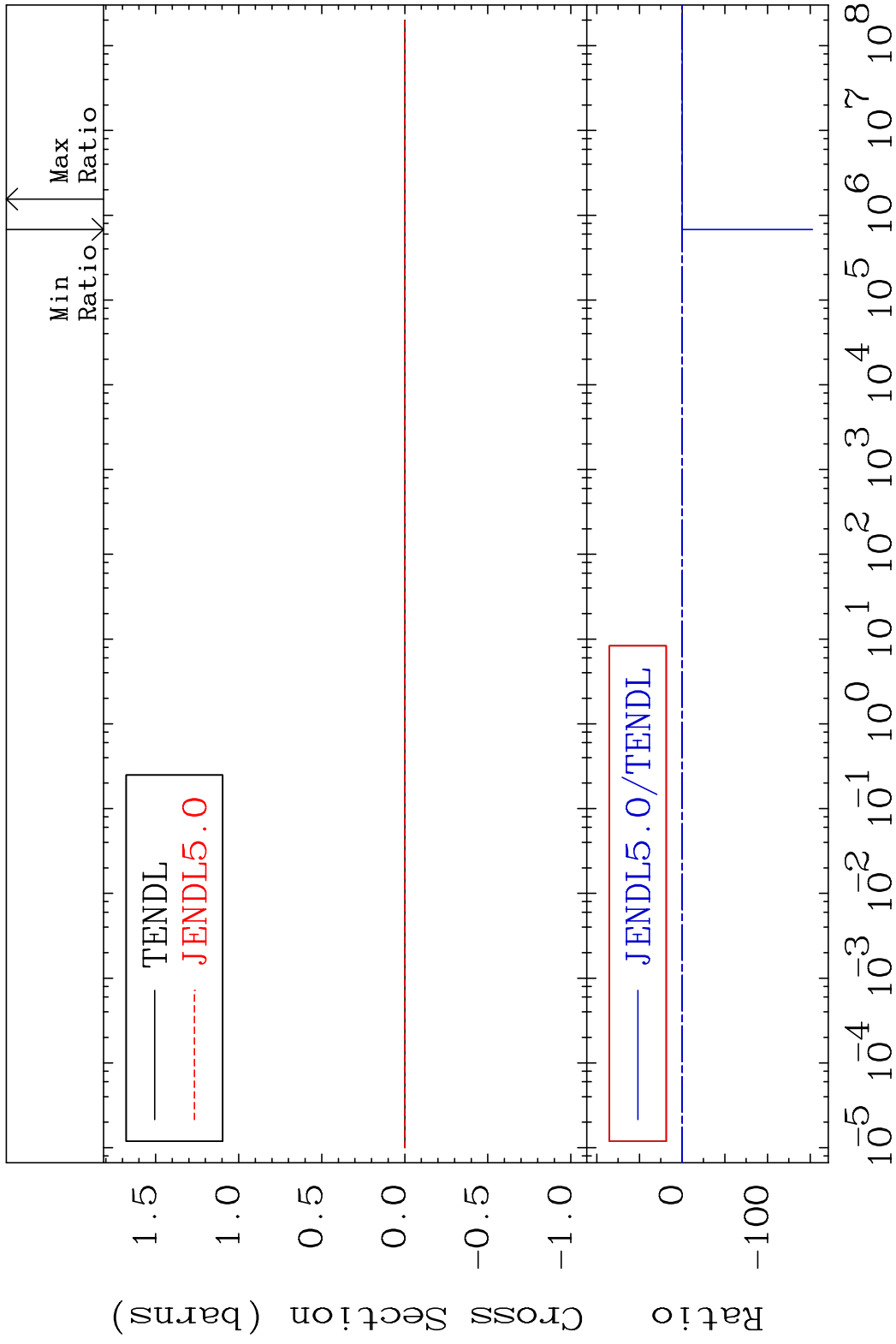
MAT 2925 Kerma non-elastic (all but mt2) 29-Cu-63
Cross Section -99.96 To 9999. %



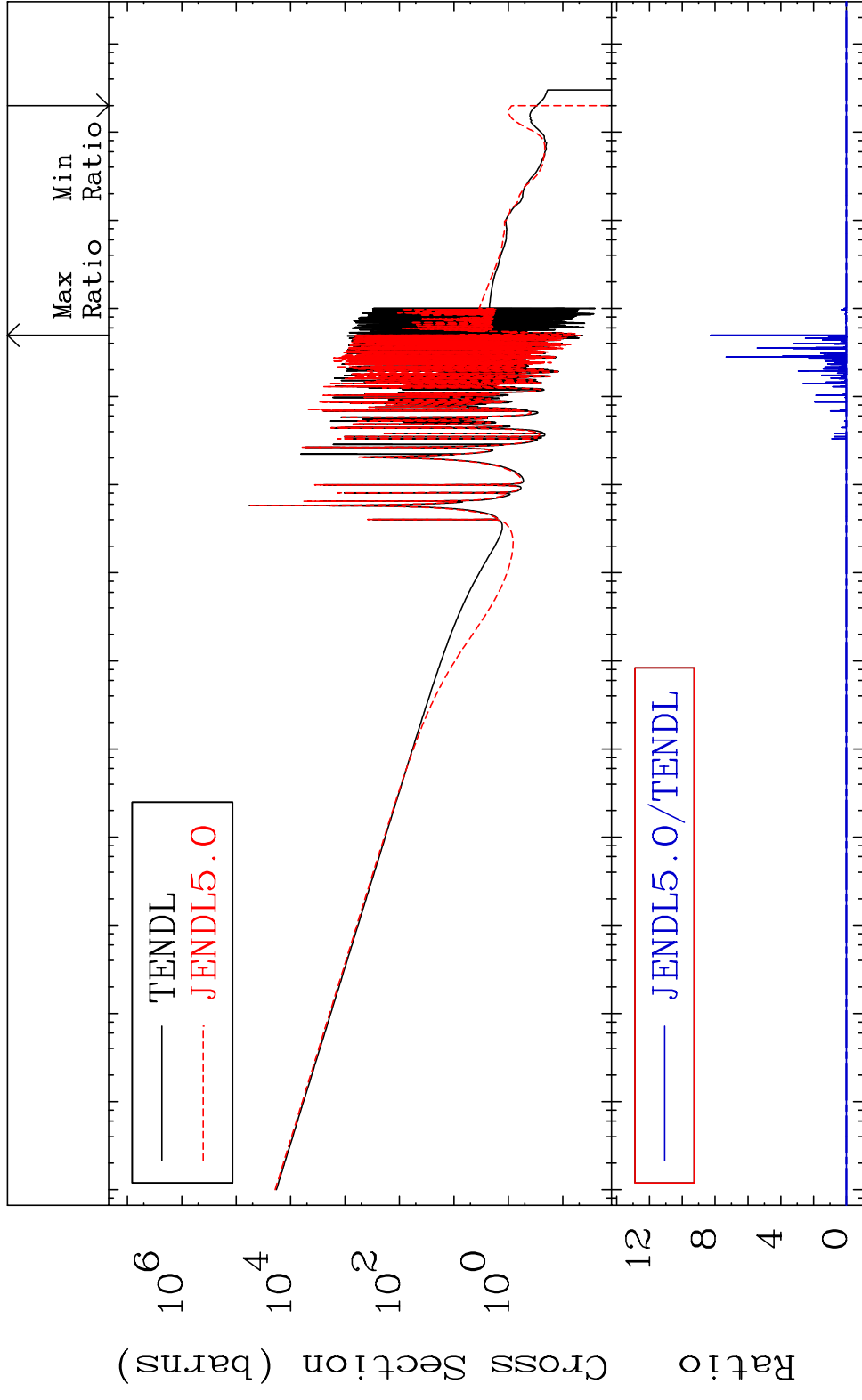
MAT 2925 Kerma inelastic (mt51-91) 29-Cu-63
 Cross Section -9999. To 28.27 %



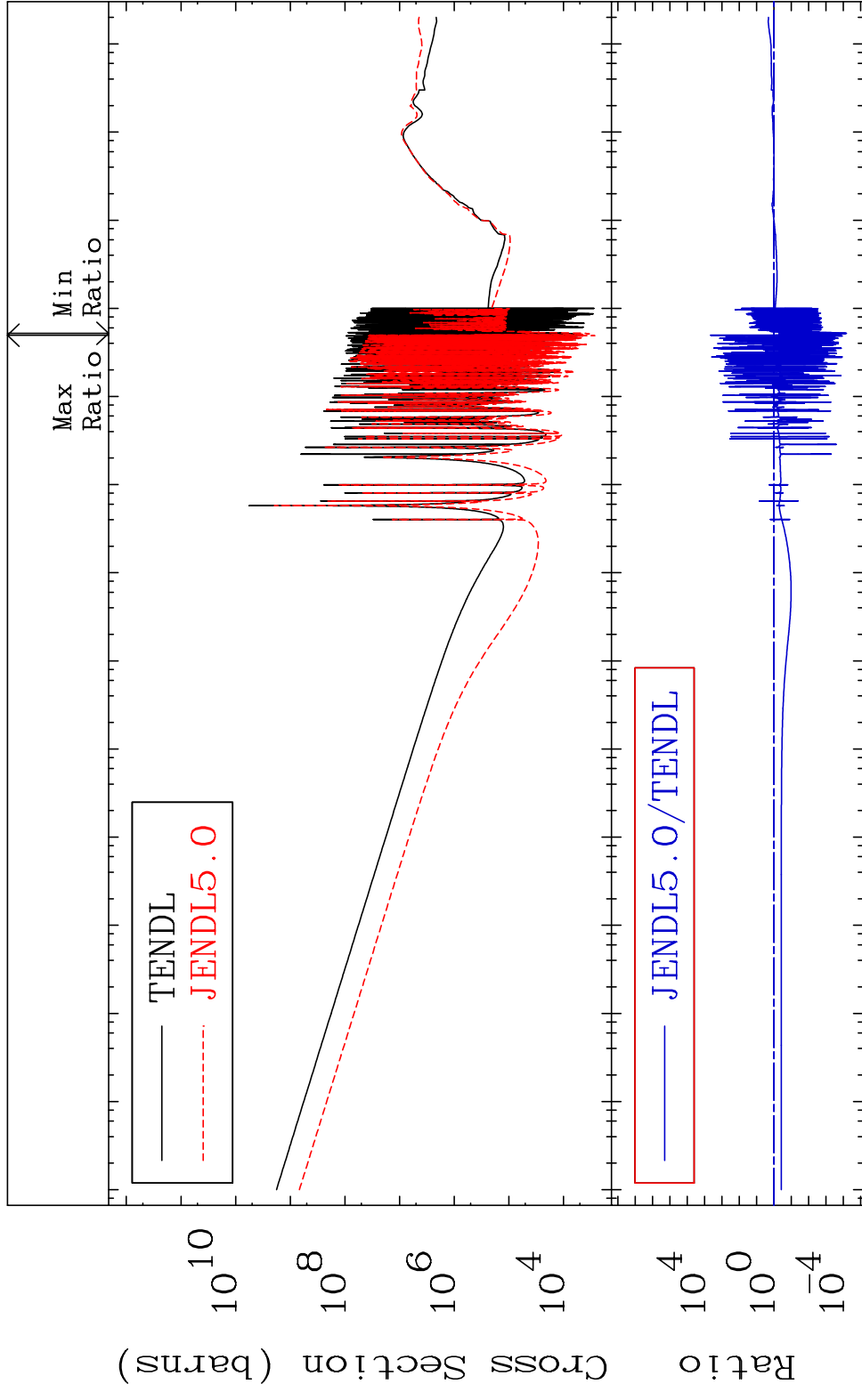
MAT 2925 Kerma fission (mt18 or mt19-20-21-38) 29-Cu-63
 Cross Section -9999. To 28.27 %



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

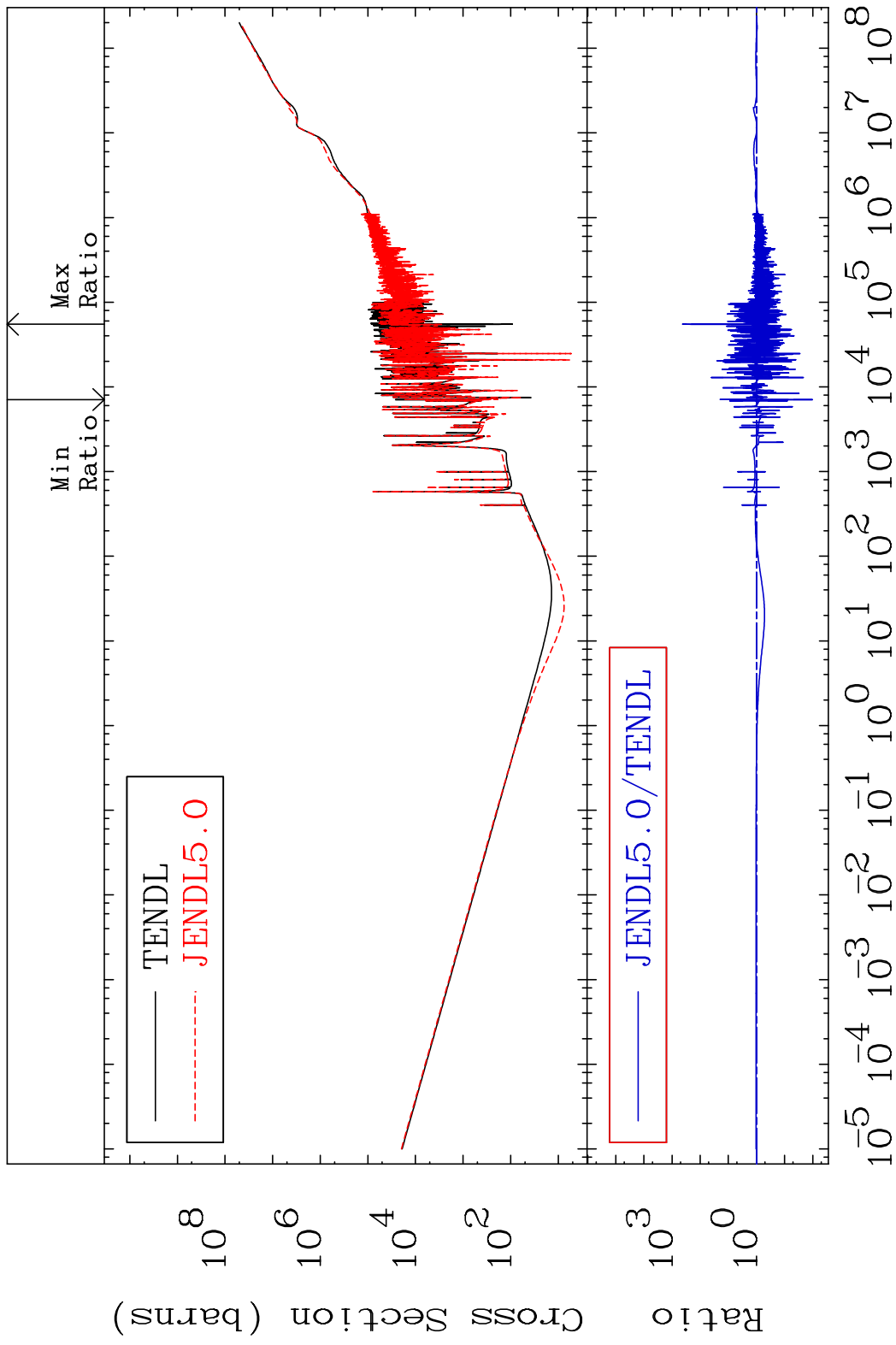


MAT 2925 Total photon (eV-barns) 29-Cu-63
 Cross Section -99.99 To 9999. %



69 Incident Energy (eV) 29-Cu-63

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



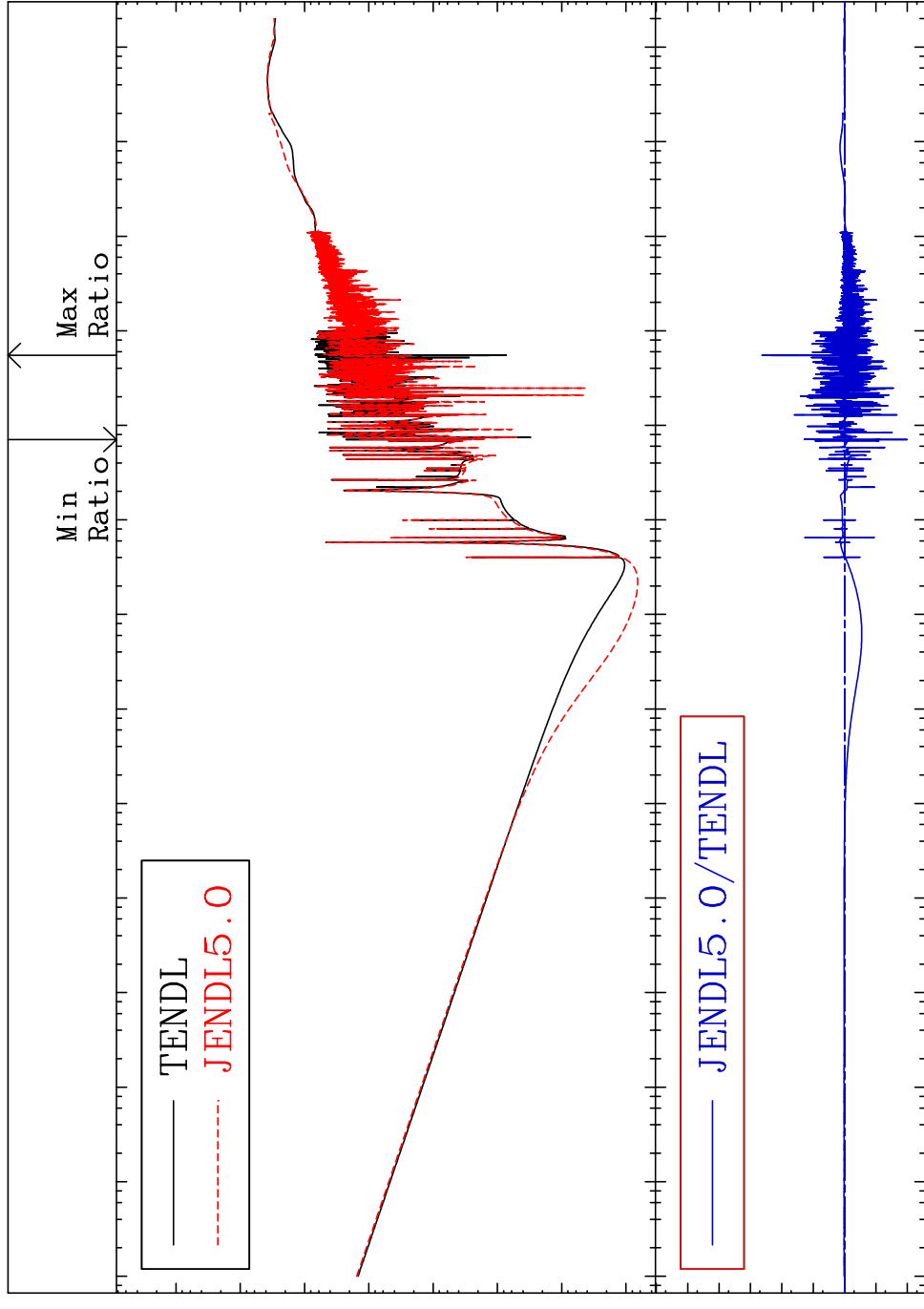
70 Incident Energy (eV) 29-Cu-63

MAT 2925

Dpa total (eV-barns)

29-Cu-63

Cross Section -98.99 To 9999. %



Cross Section (barns)
 10^7
 10^6
 10^5
 10^4
 10^3
 10^2
 10^1
 10^0

Ratio
 10^3
 10^0

Incident Energy (eV)
 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

71

Incident Energy (eV)

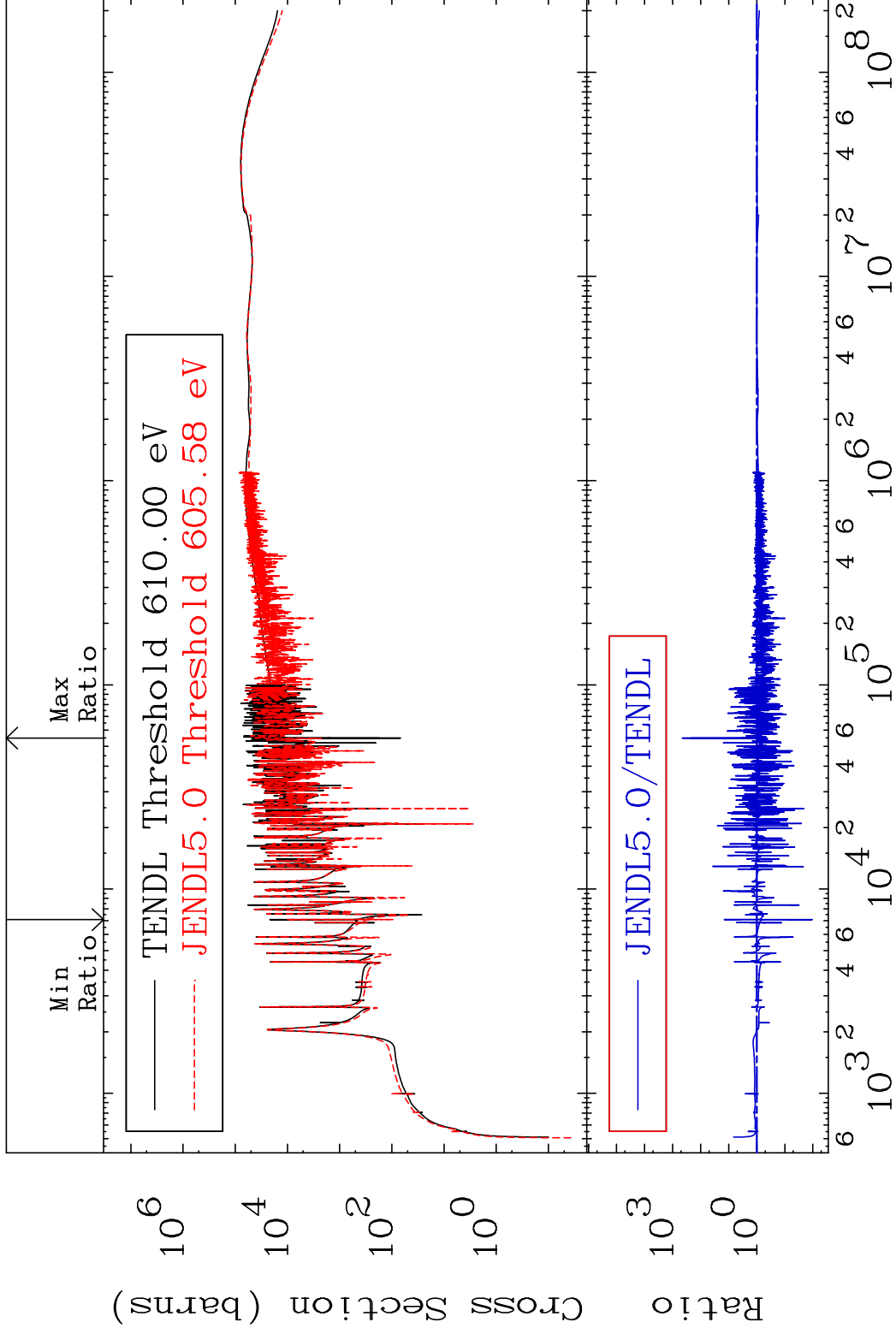
29-Cu-63

MAT 2925

Dpa elastic (mt2)

29-Cu-63

Cross Section -98.97 To 9999. %

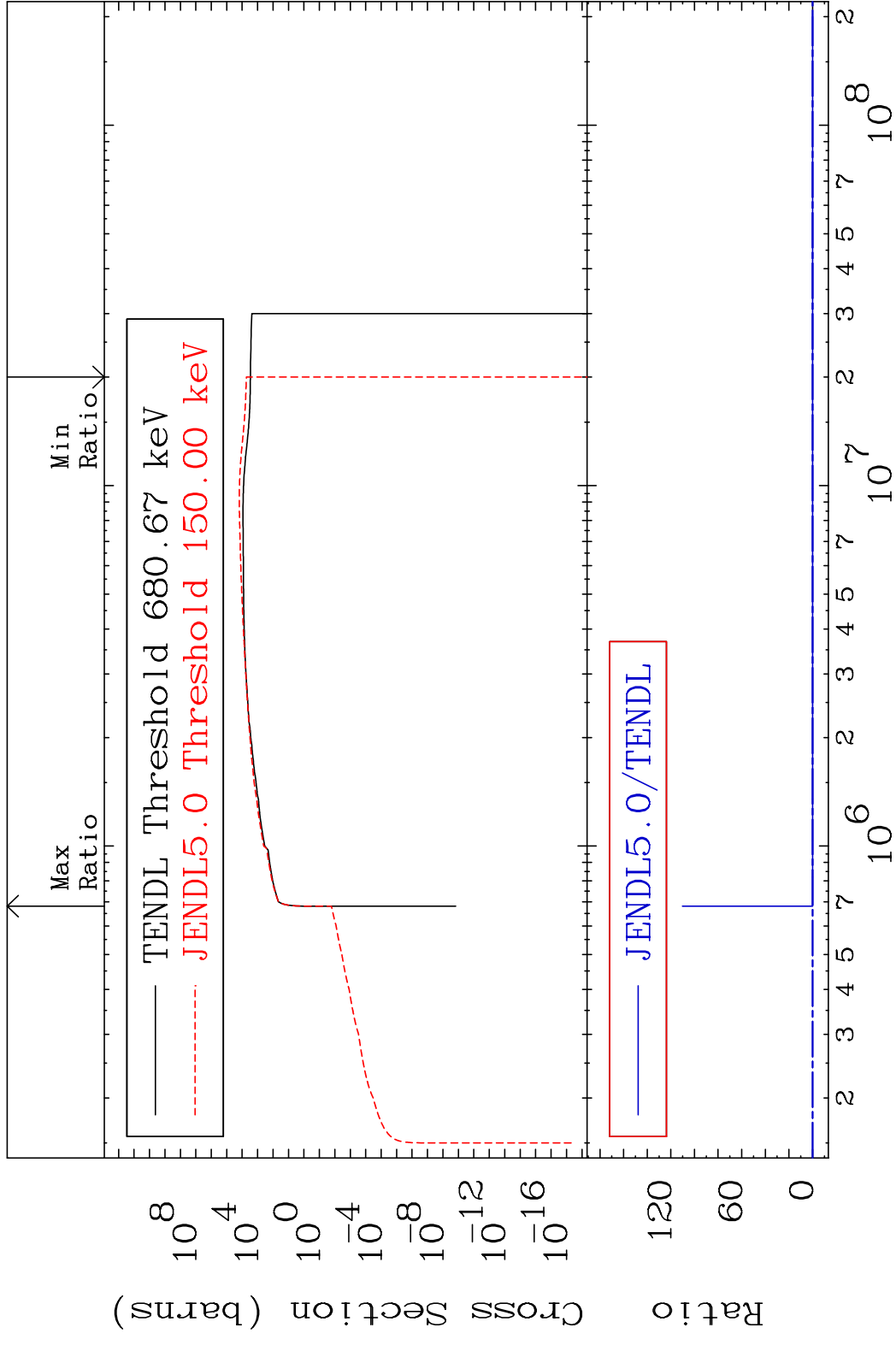


72

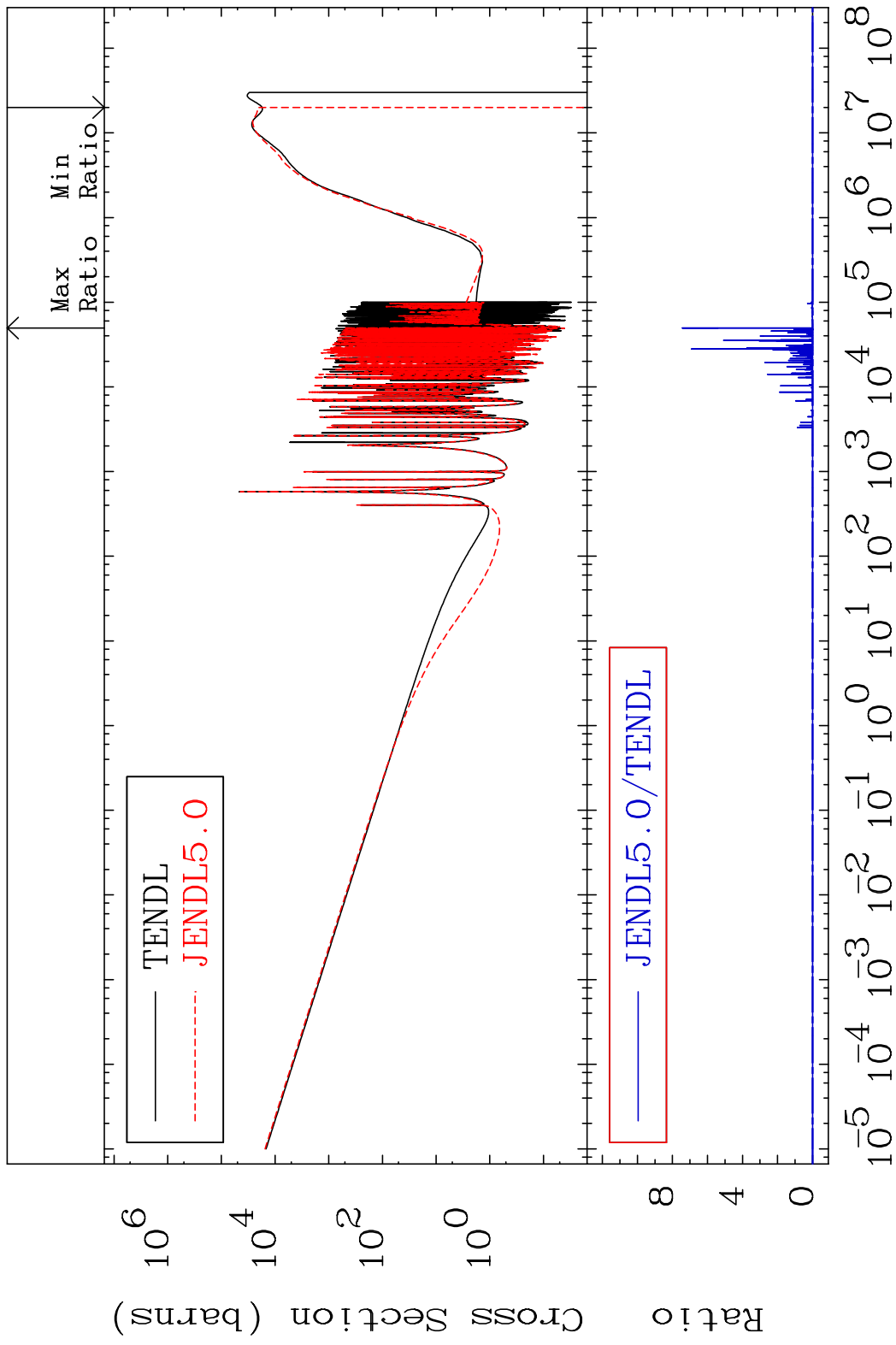
Incident Energy (eV)

29-Cu-63

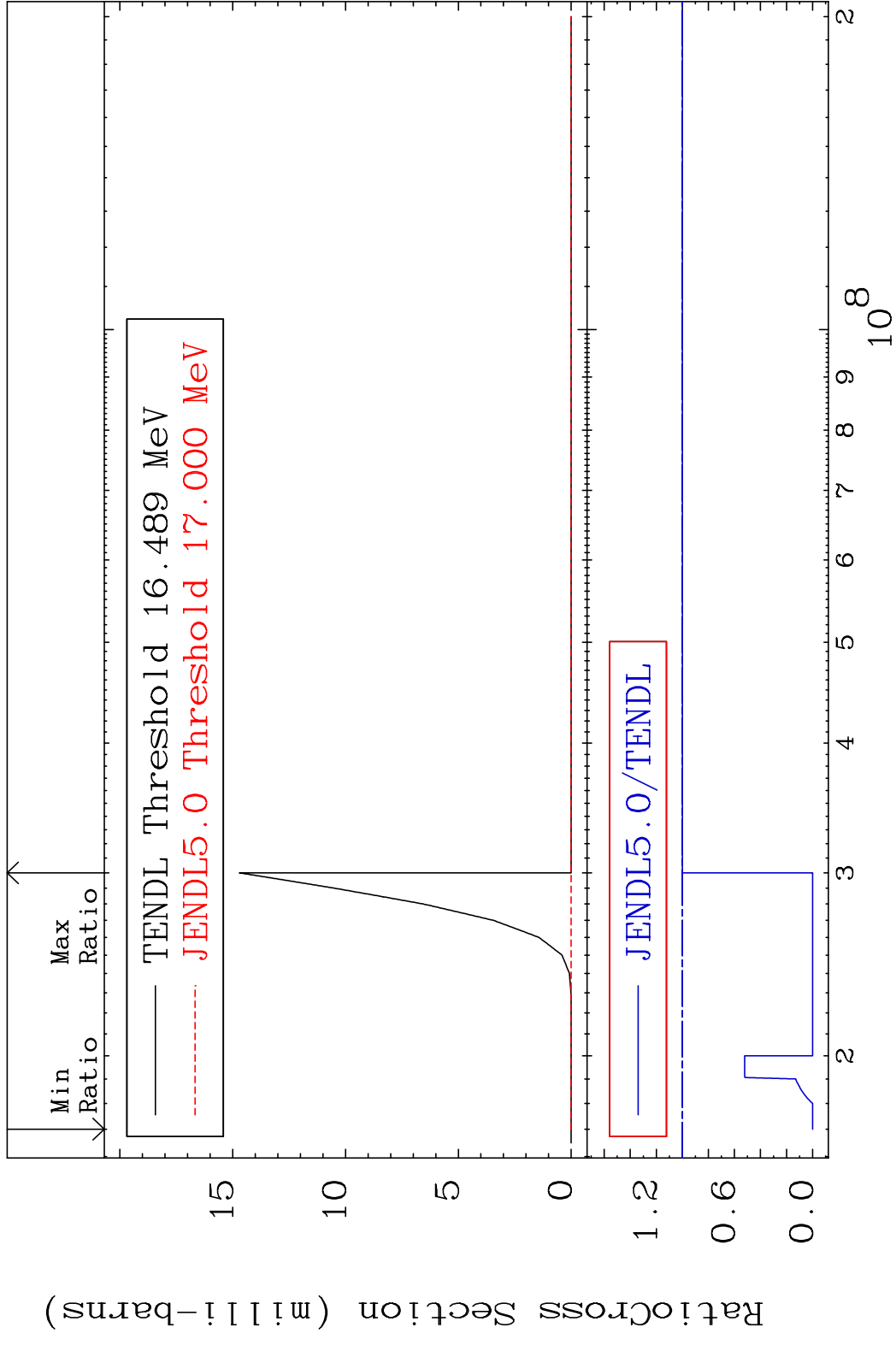
MAT 2925 Dpa inelastic (mt51-91) 29-Cu-63
 Cross Section -100.0 To 9999. %



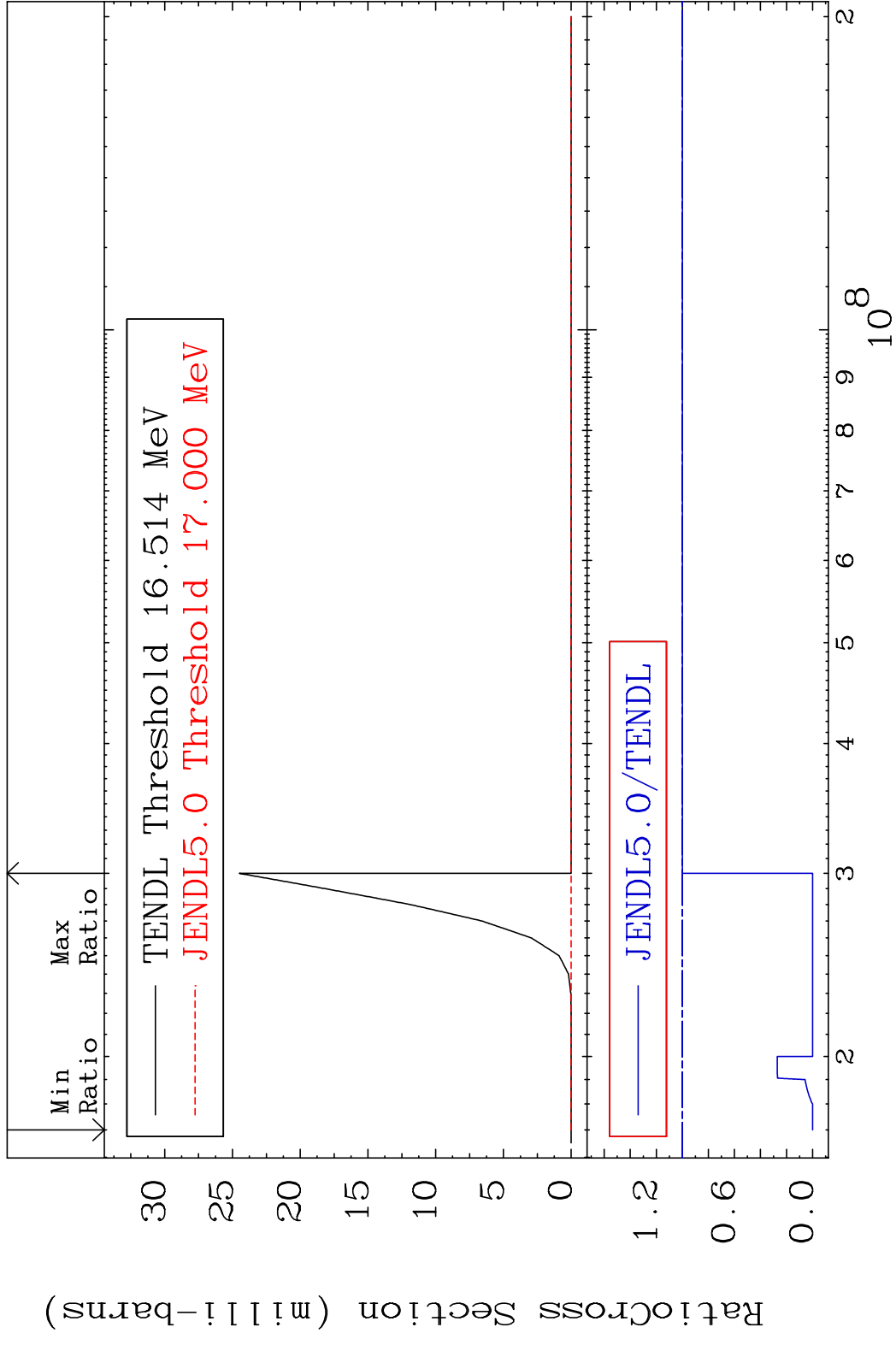
MAT 2925 Dpa disappearance (mt102 -120) 29-Cu-63
 Cross Section -100.0 To 9999. %

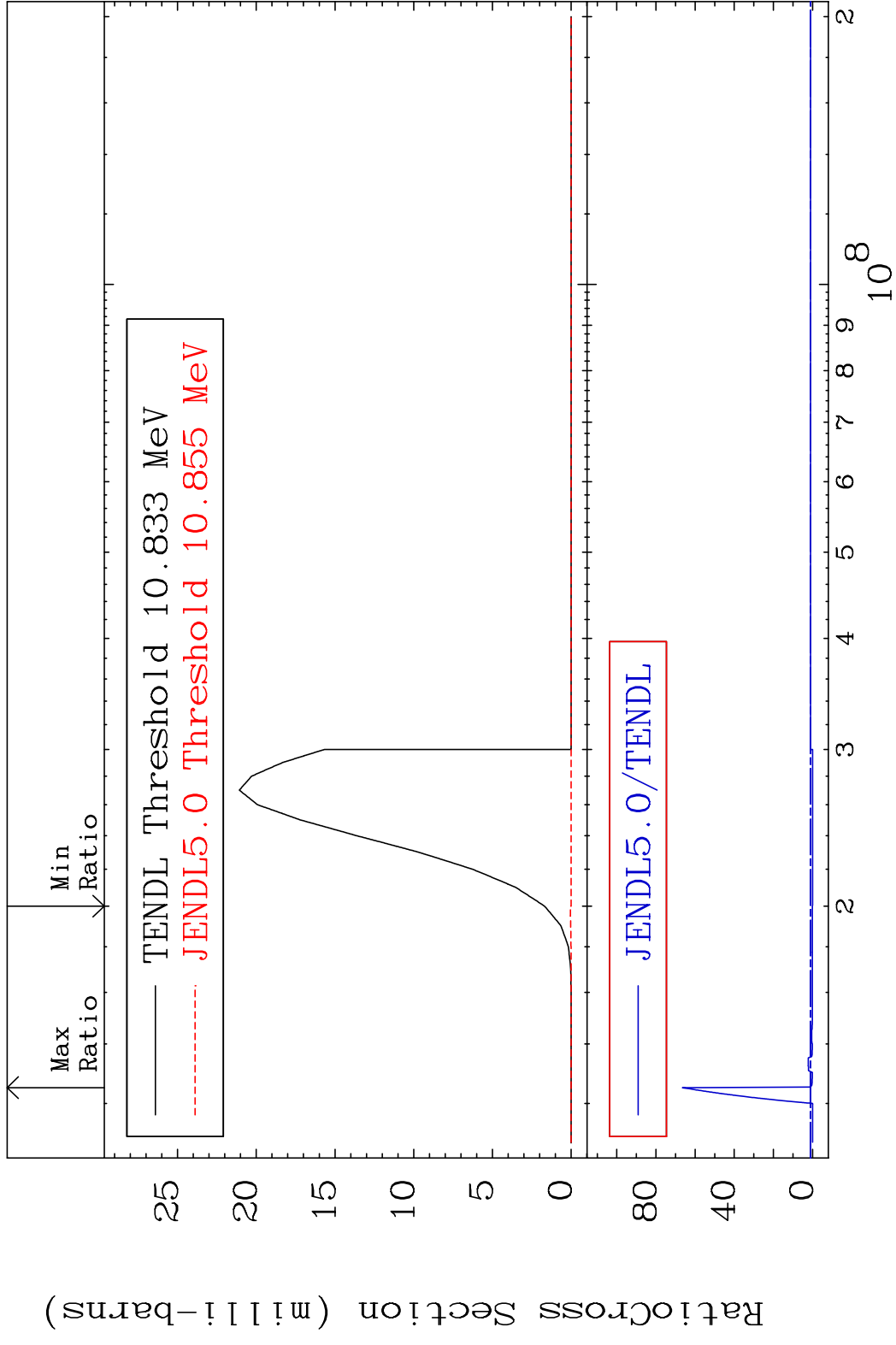


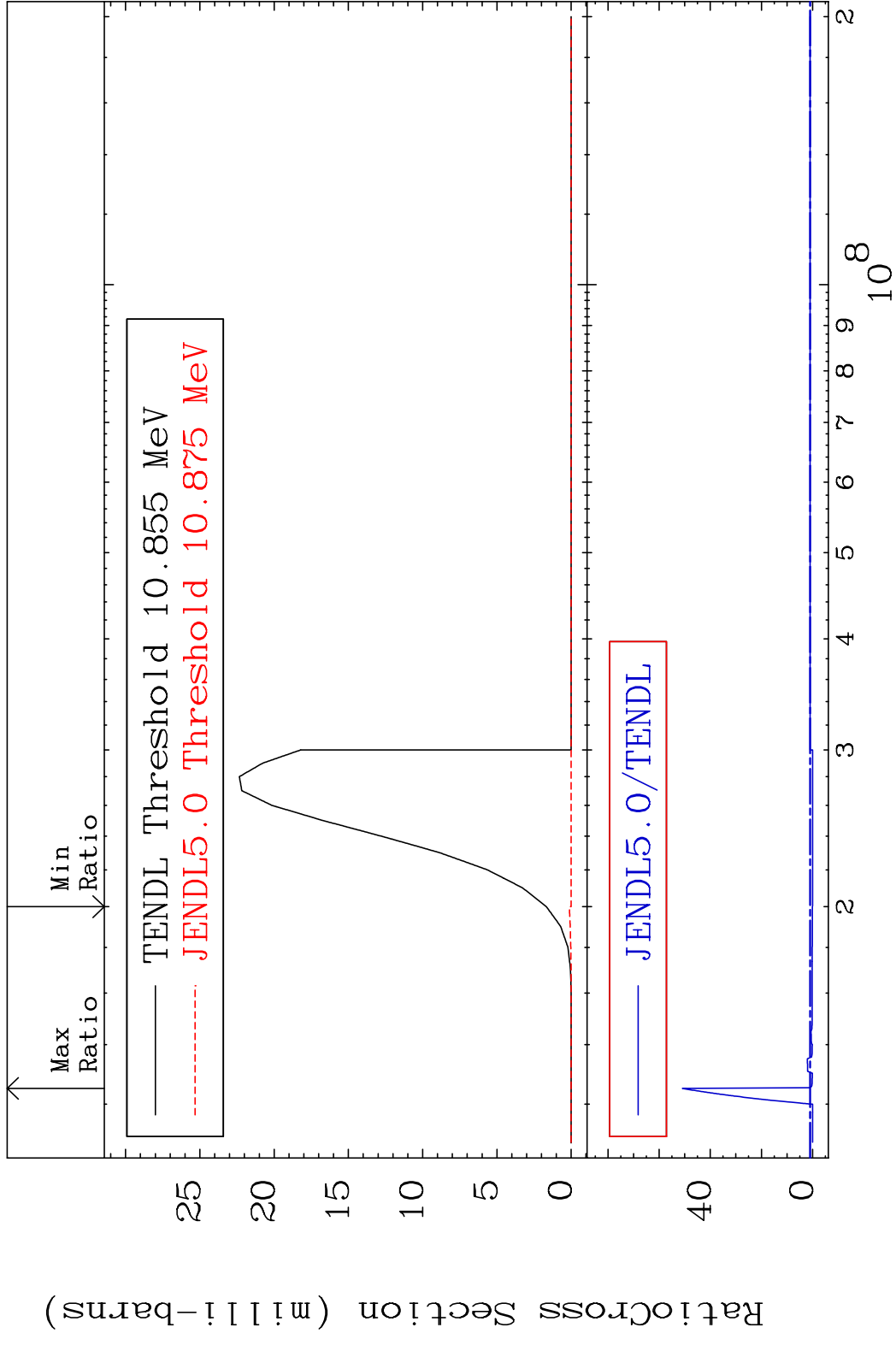
MAT 2925 (n,2n) α :27-Co-58g 29-Cu-63
 Radionuclide Production Cross Section 180.01 dth 0.000 %



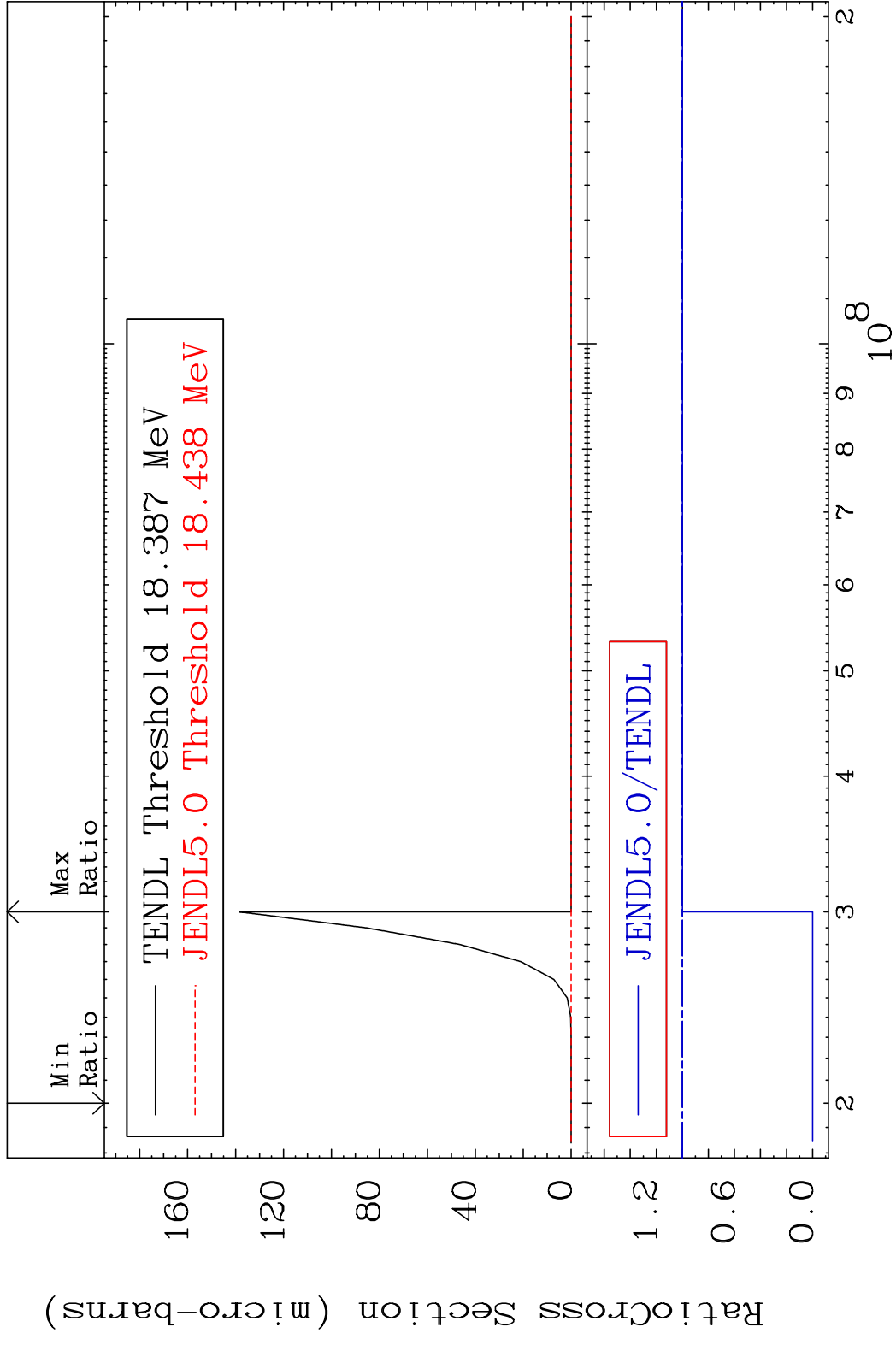
MAT 2925 (n,2n) α :27-Co-58m1 29-Cu-63
 Radionuclide Production Cross Section Ratio 0.000 %



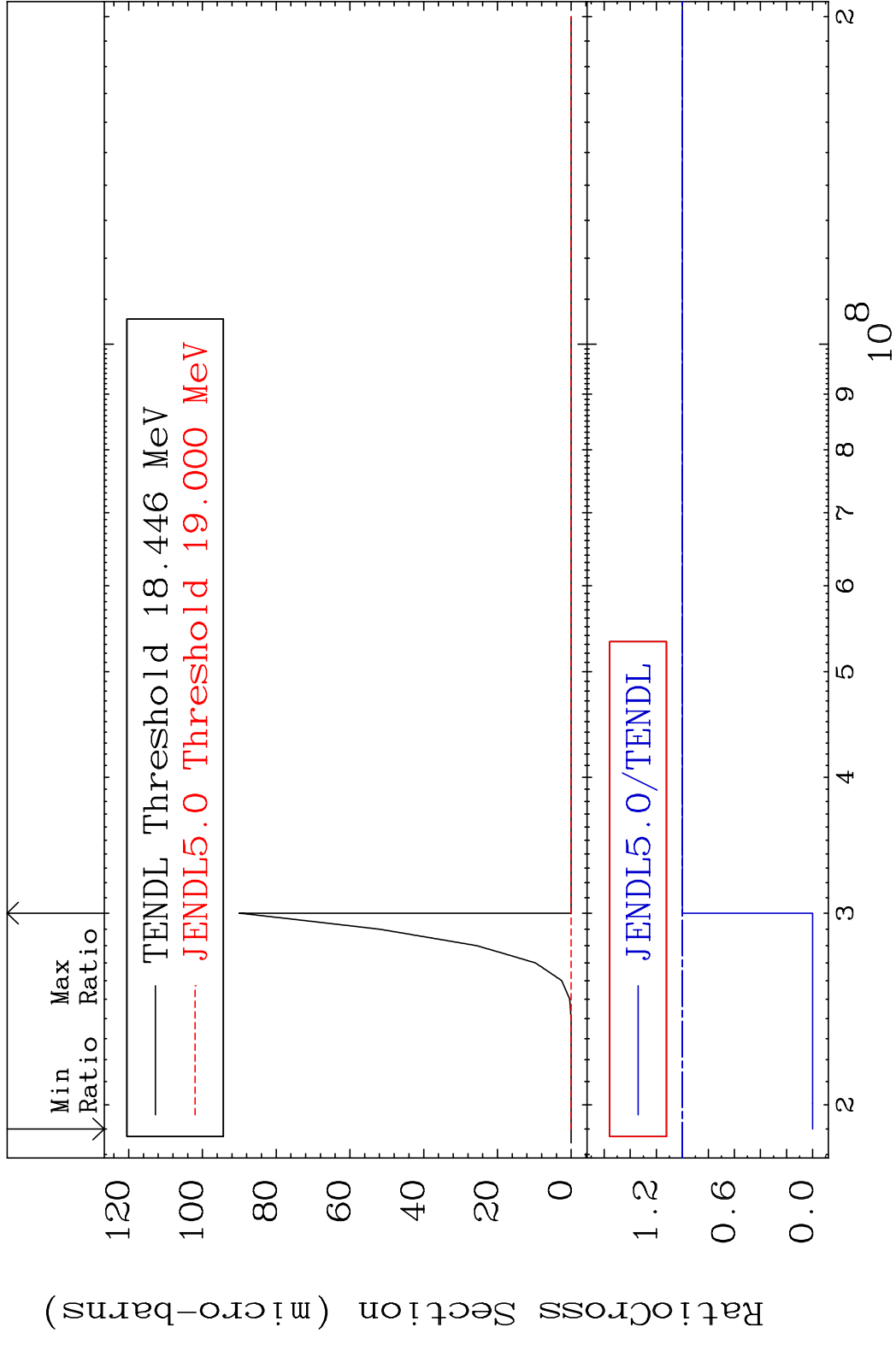




MAT 2925 (n, p) t:27-Co-60g 29-Cu-63
 Radionuclide Production Cross Section Ratio 0.000 %



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



80 Incident Energy (eV) 29-Cu-63