

Program Complot
(Version 2021-1)

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
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

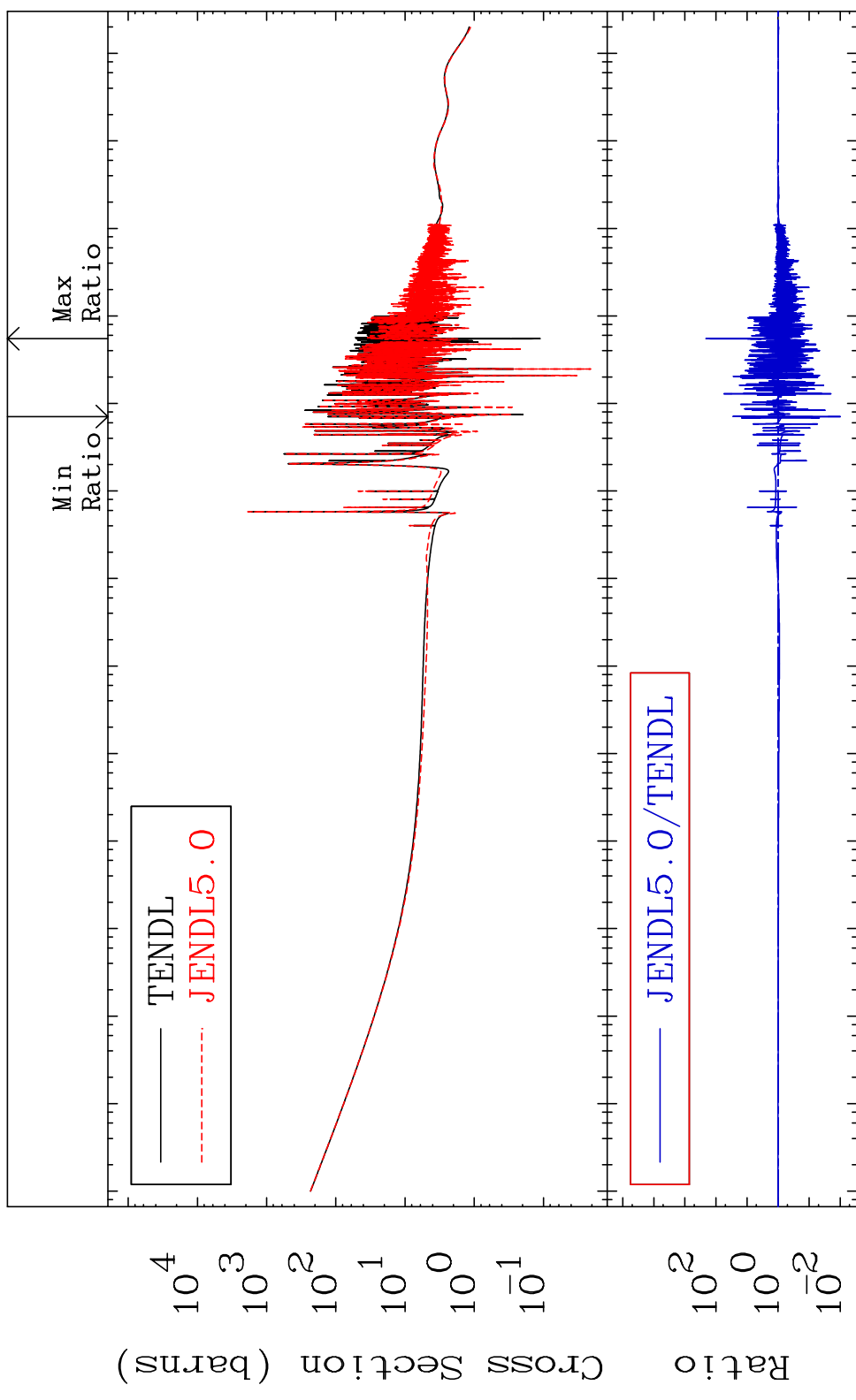
MAT 2925

Total

29-Cu-63

Cross Section

-99.02 To 9999. %



1

Incident Energy (eV)

29-Cu-63

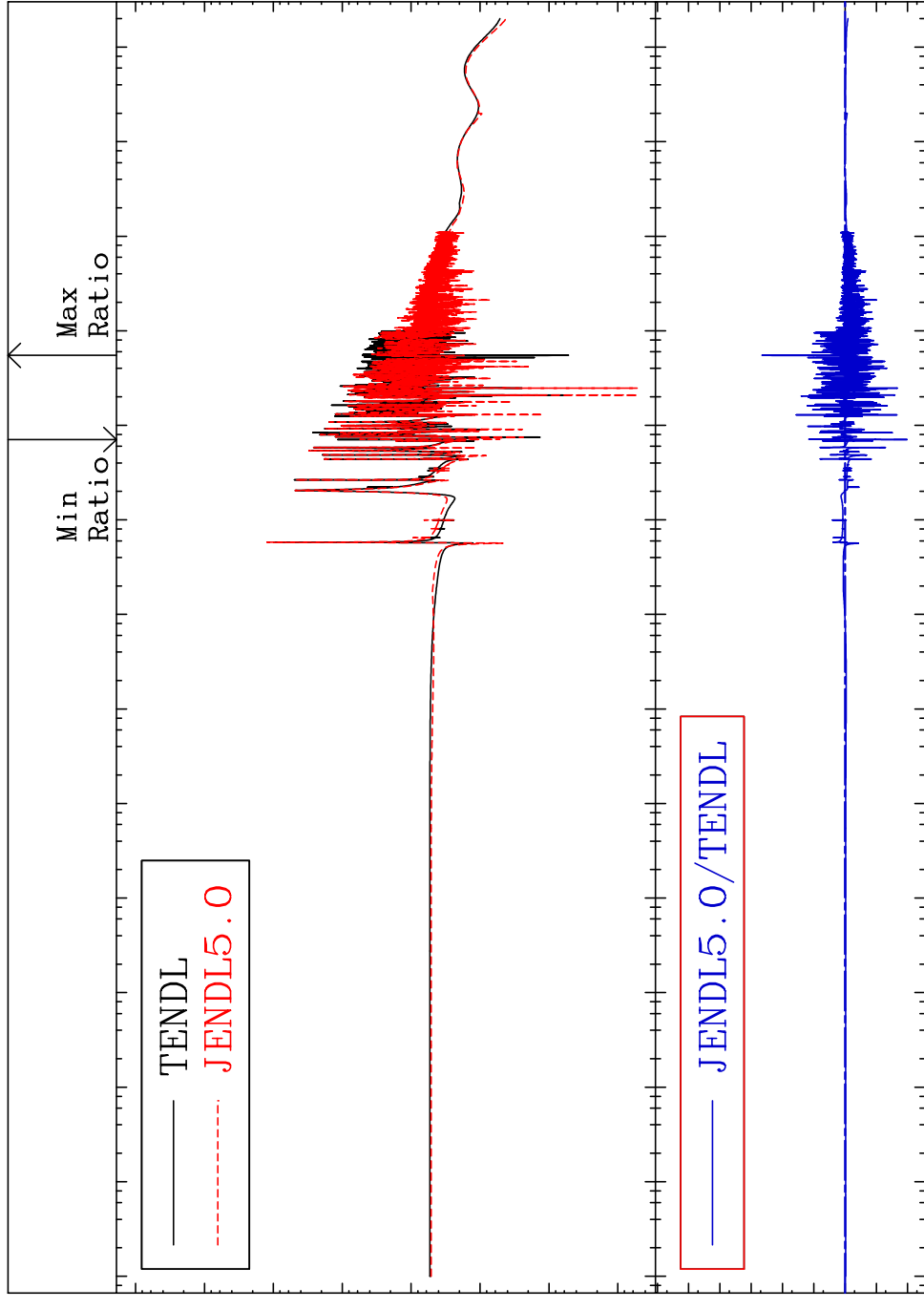
MAT 2925

Elastic

29-Cu-63

Cross Section

-98.97 To 9999. %



Cross Section (barns)

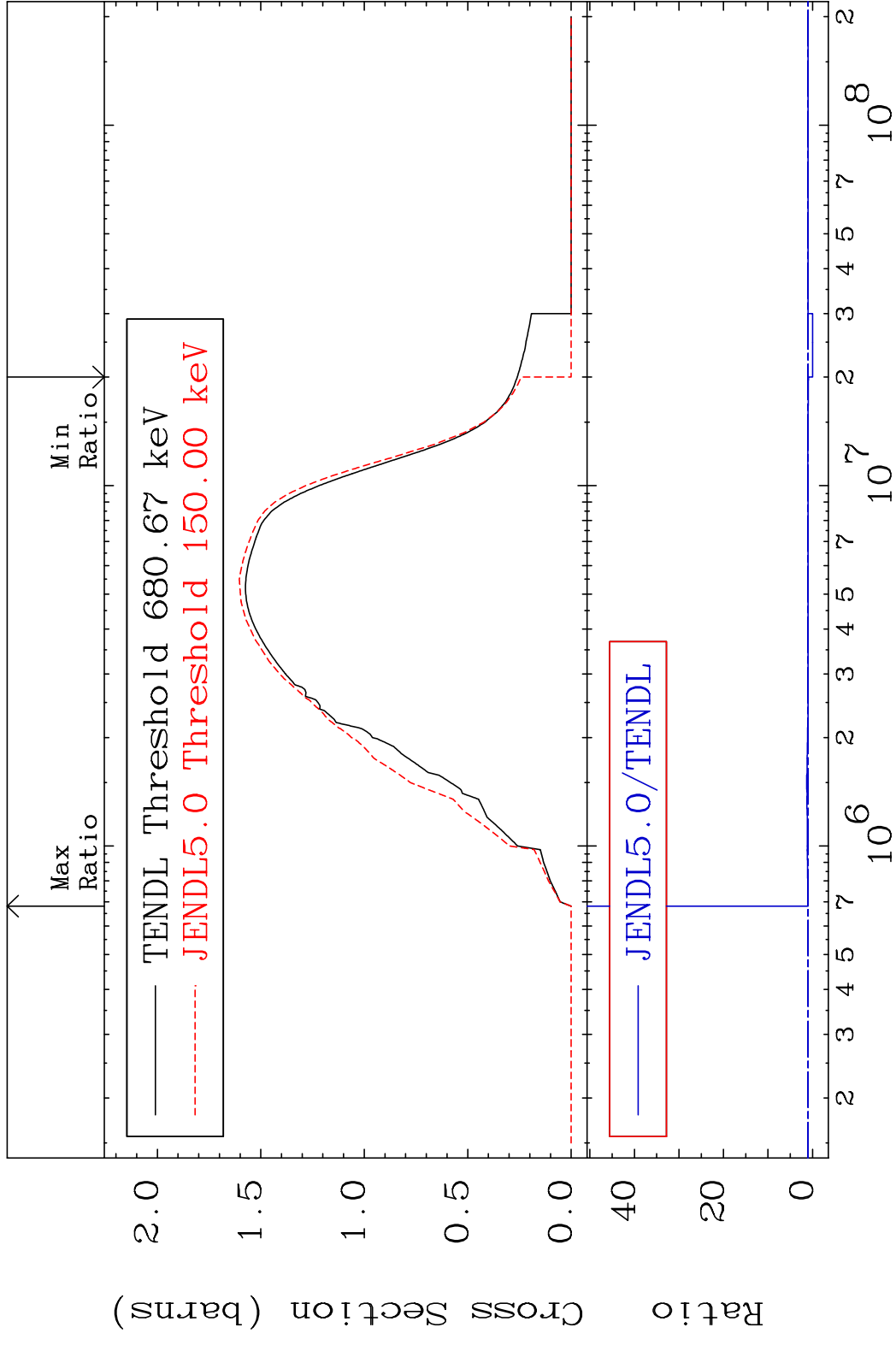
Ratio

Incident Energy (eV)

2

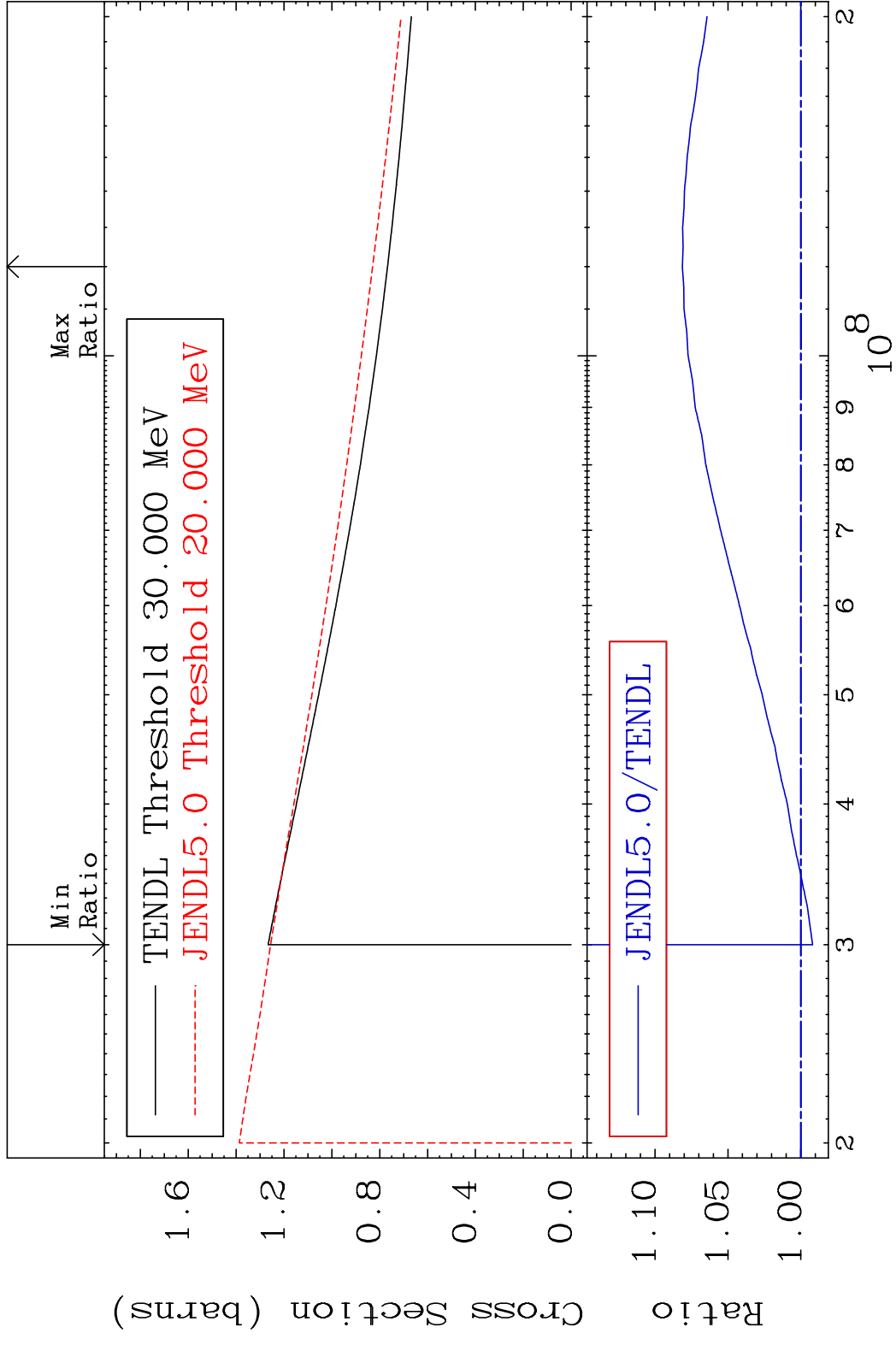
29-Cu-63

MAT 2925 Inelastic Cross Section -100.0 To 2824. % 29-Cu-63



3 Incident Energy (eV) 29-Cu-63

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



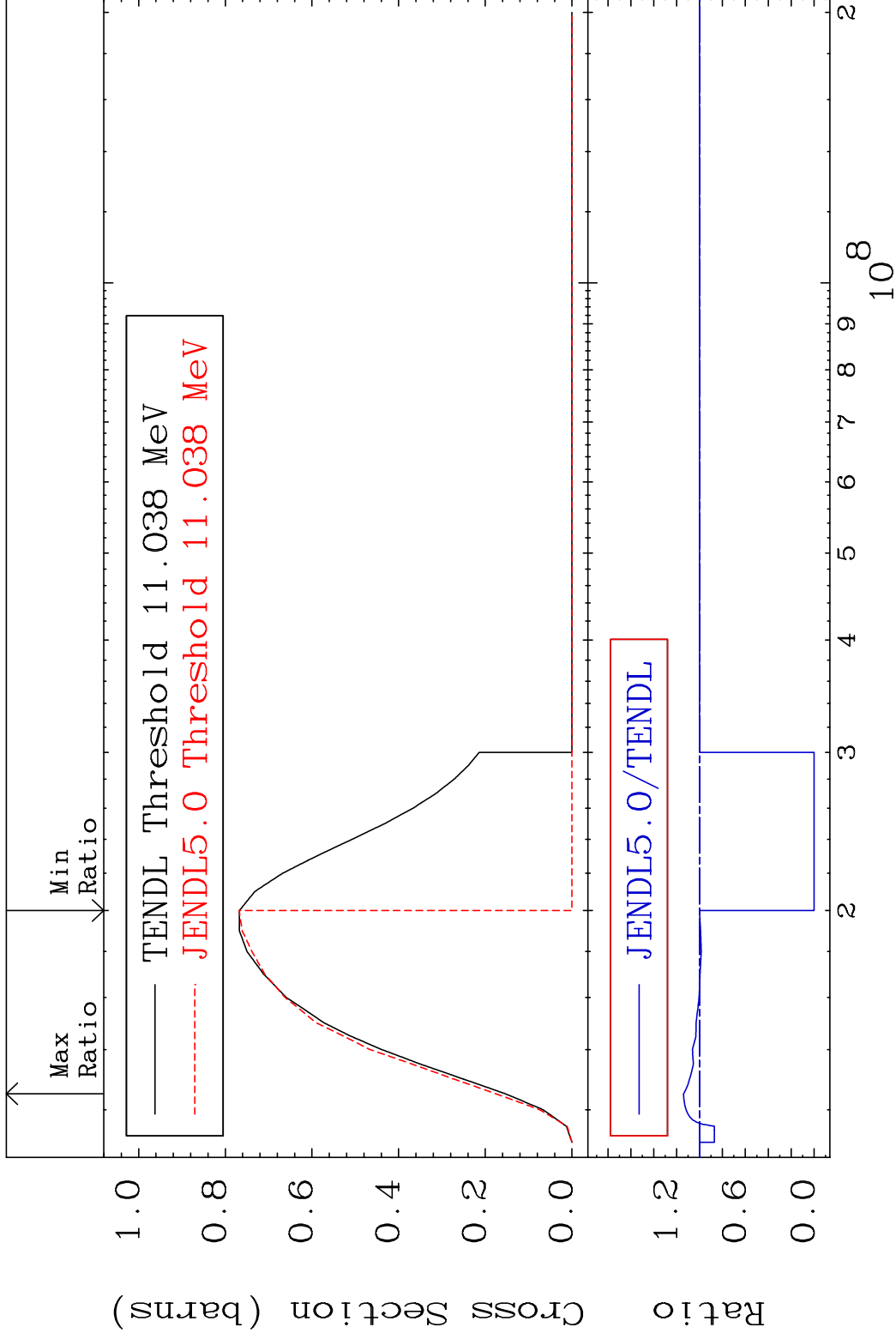
4 Incident Energy (eV) 29-Cu-63

MAT 2925

(n,2n)

29-Cu-63

Cross Section -100.0 To 14.06 %

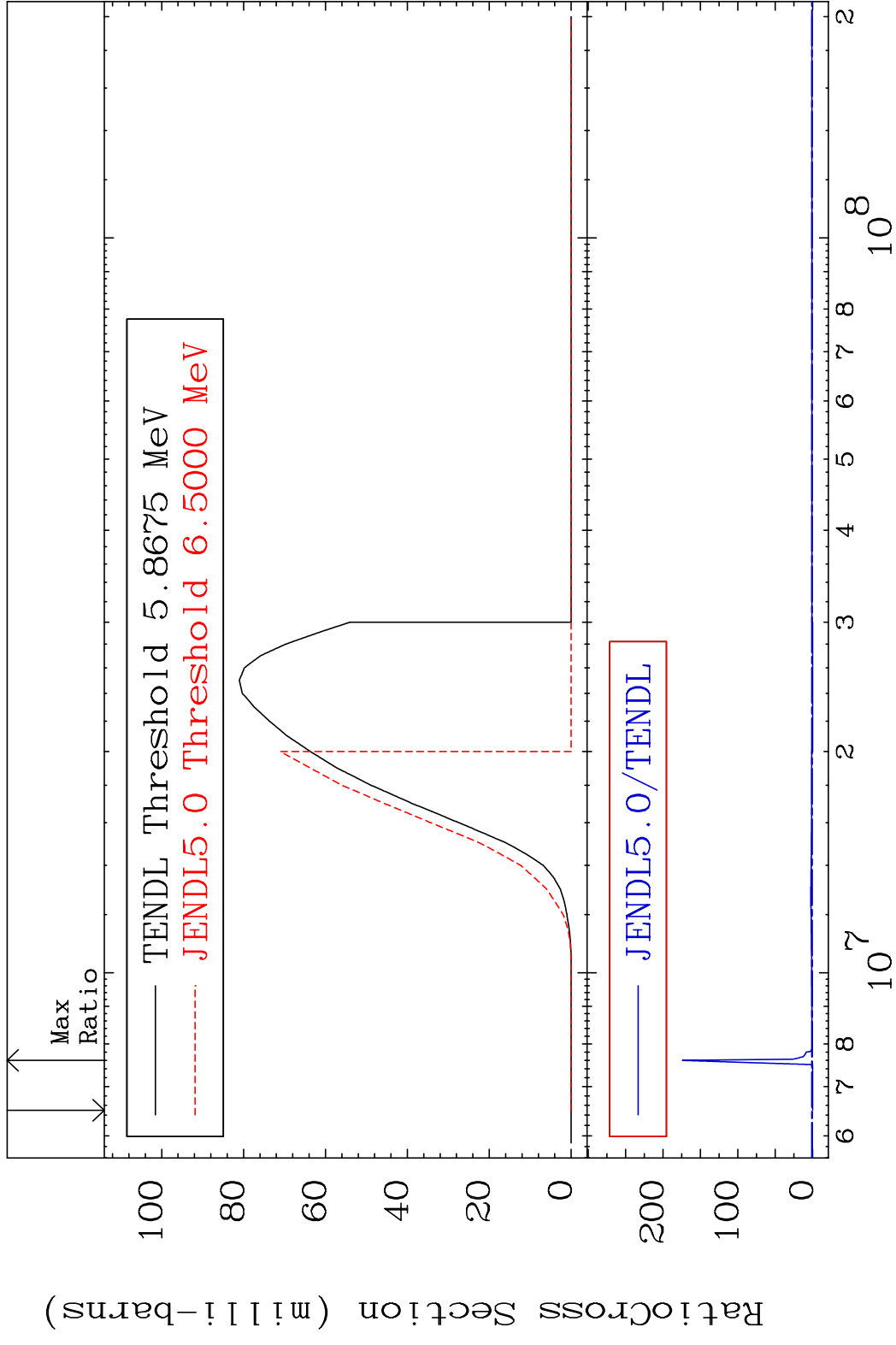


5

Incident Energy (eV)

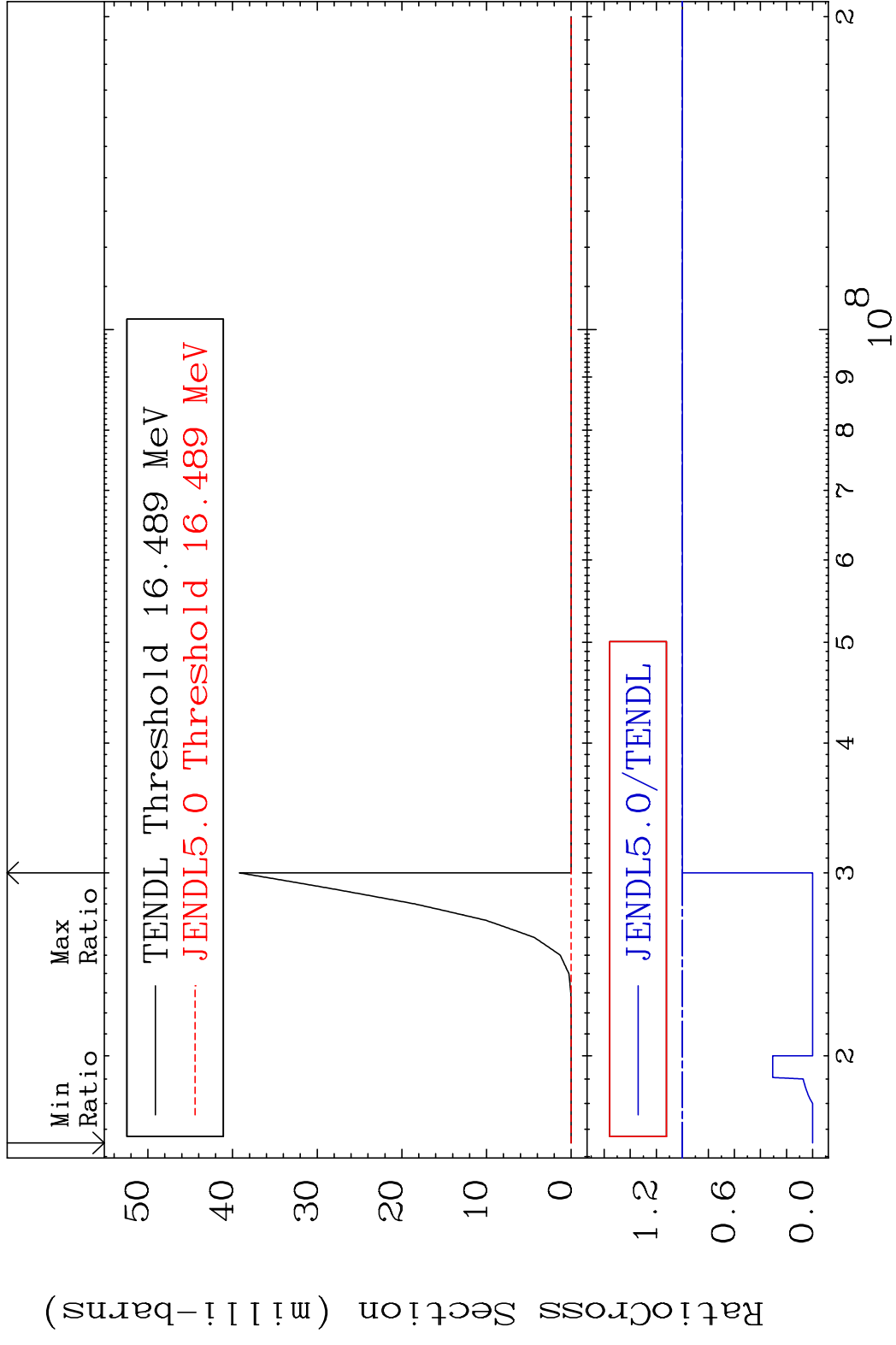
29-Cu-63

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

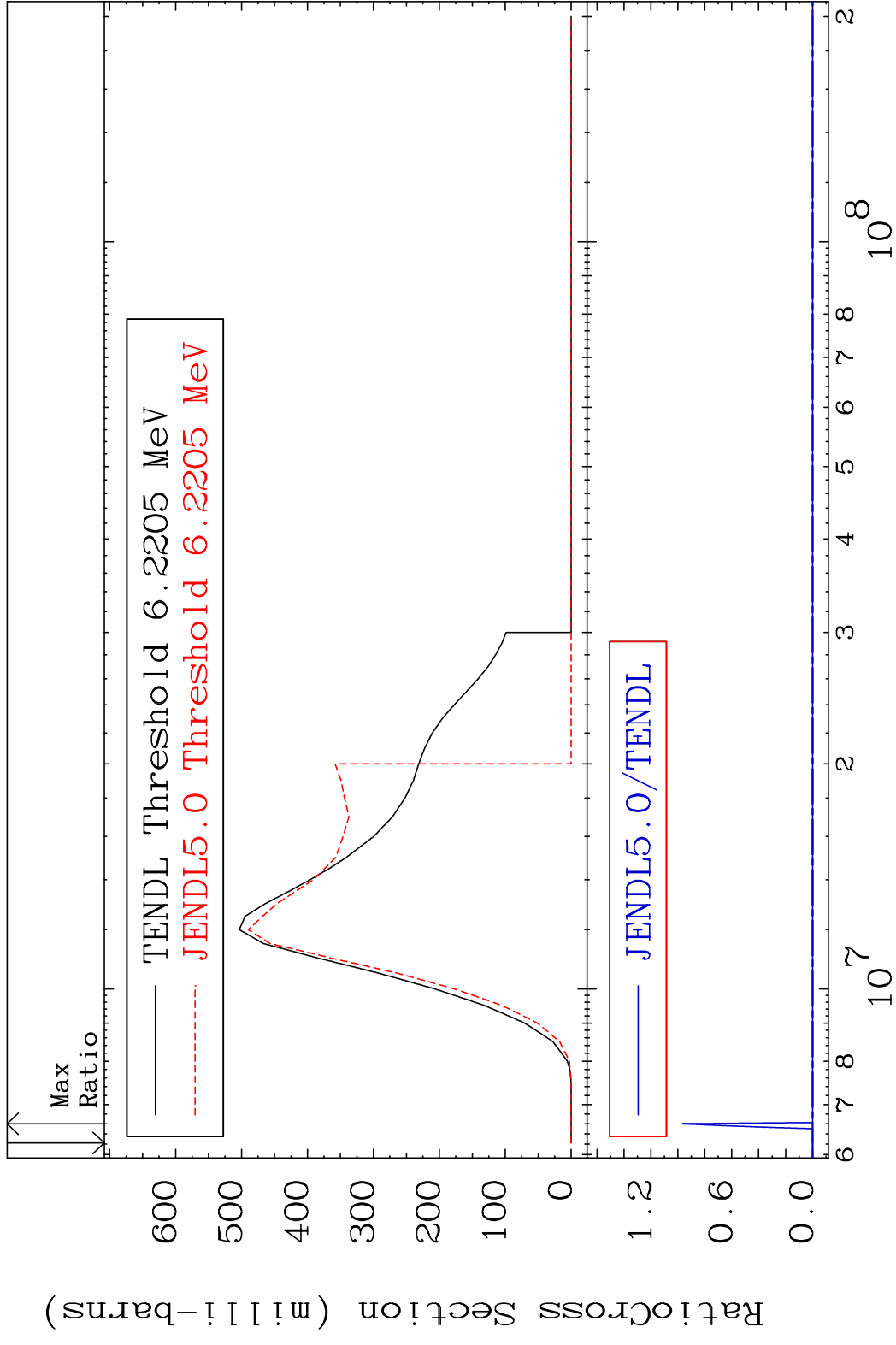


6 6 Incident Energy (eV) 29-Cu-63

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

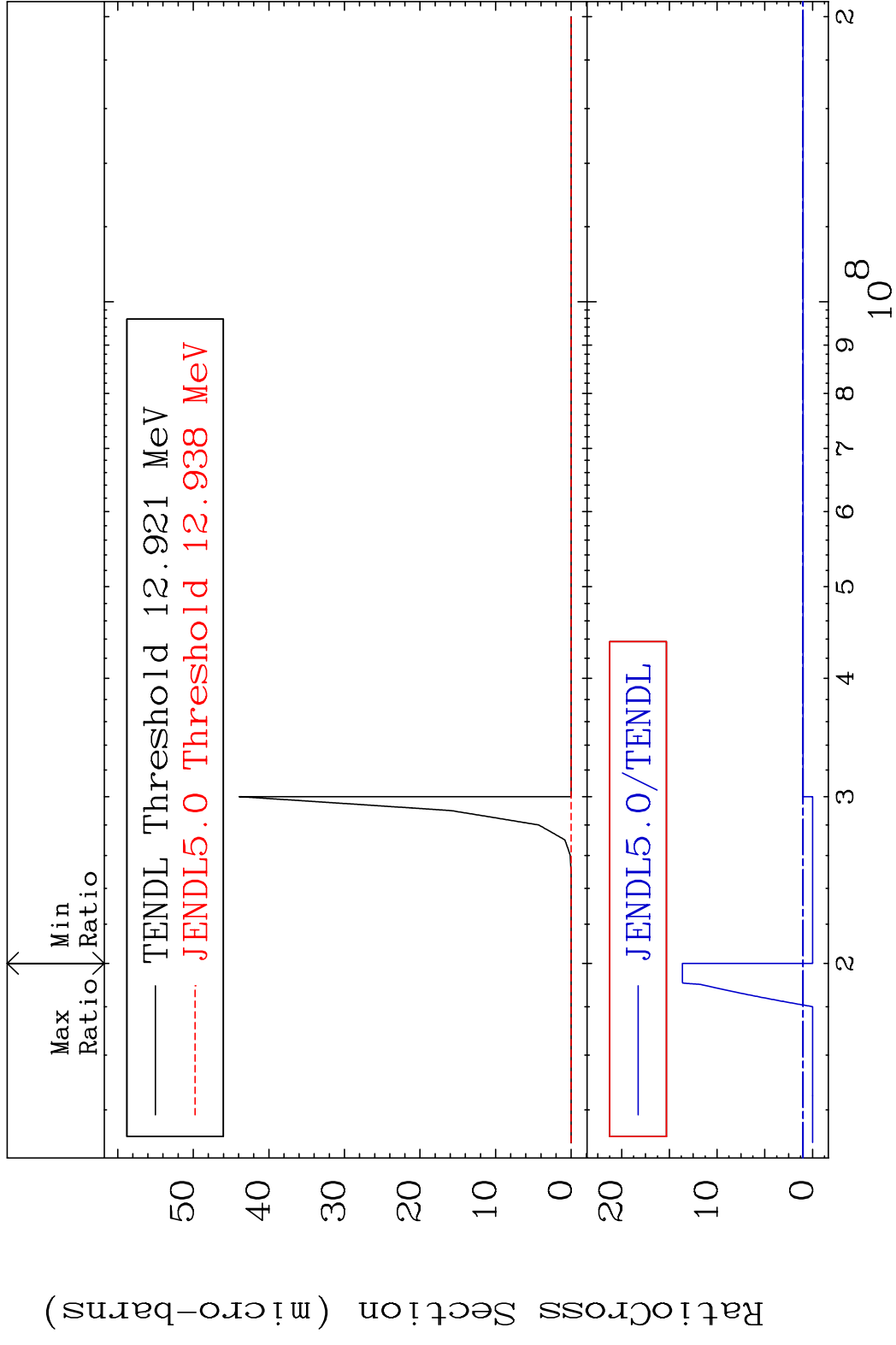


MAT 2925 (n, n') p 29-Cu-63
 Cross Section -100.0 To 9999. %



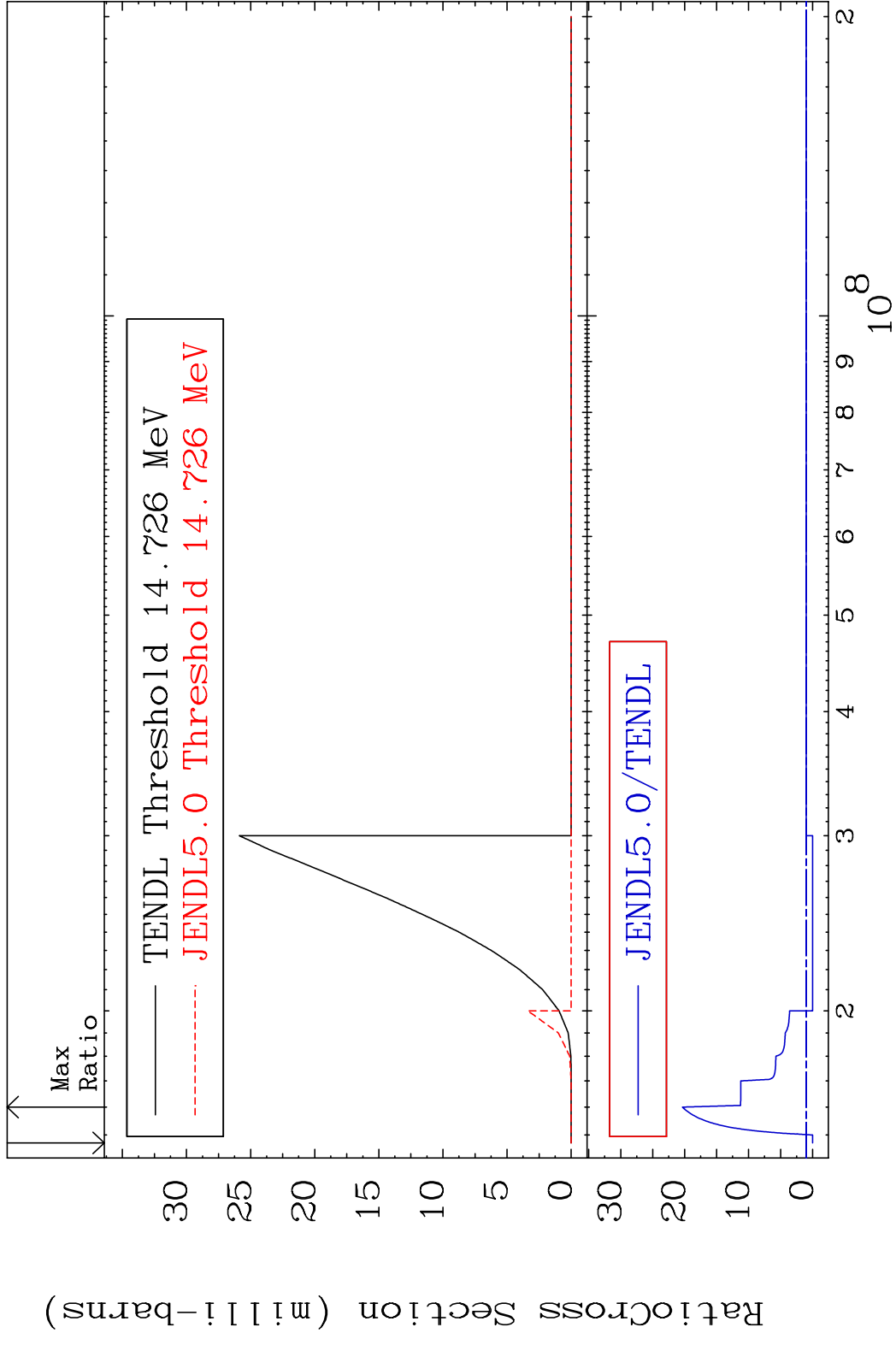
8 Incident Energy (eV) 29-Cu-63

MAT 2925 (n, n') 2α 29-Cu-63
 Cross Section -100.0 To 1264. %



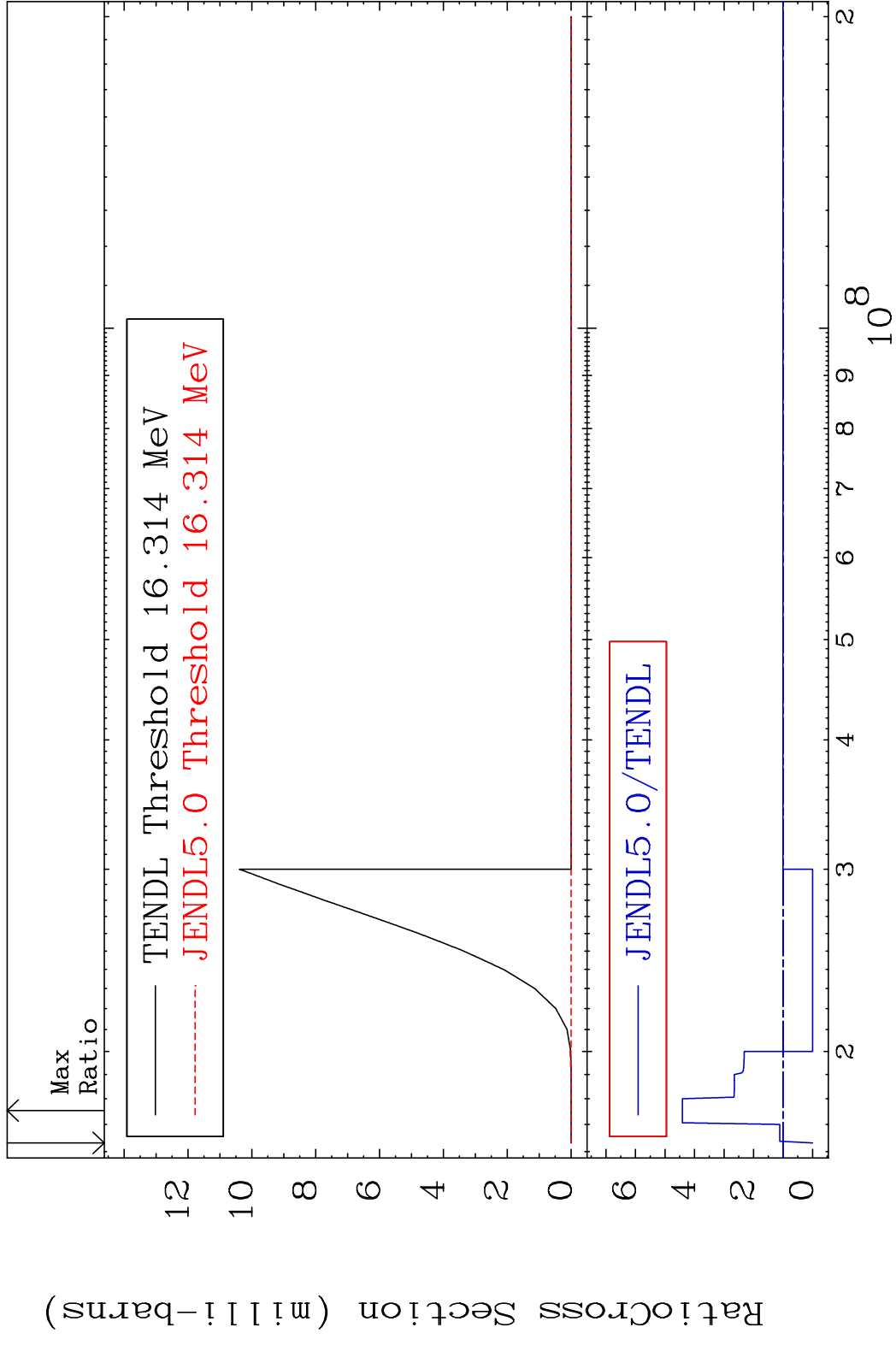
9 Incident Energy (eV) 29-Cu-63

MAT 2925 (n, n') d 29-Cu-63
 Cross Section -100.0 To 1936. %

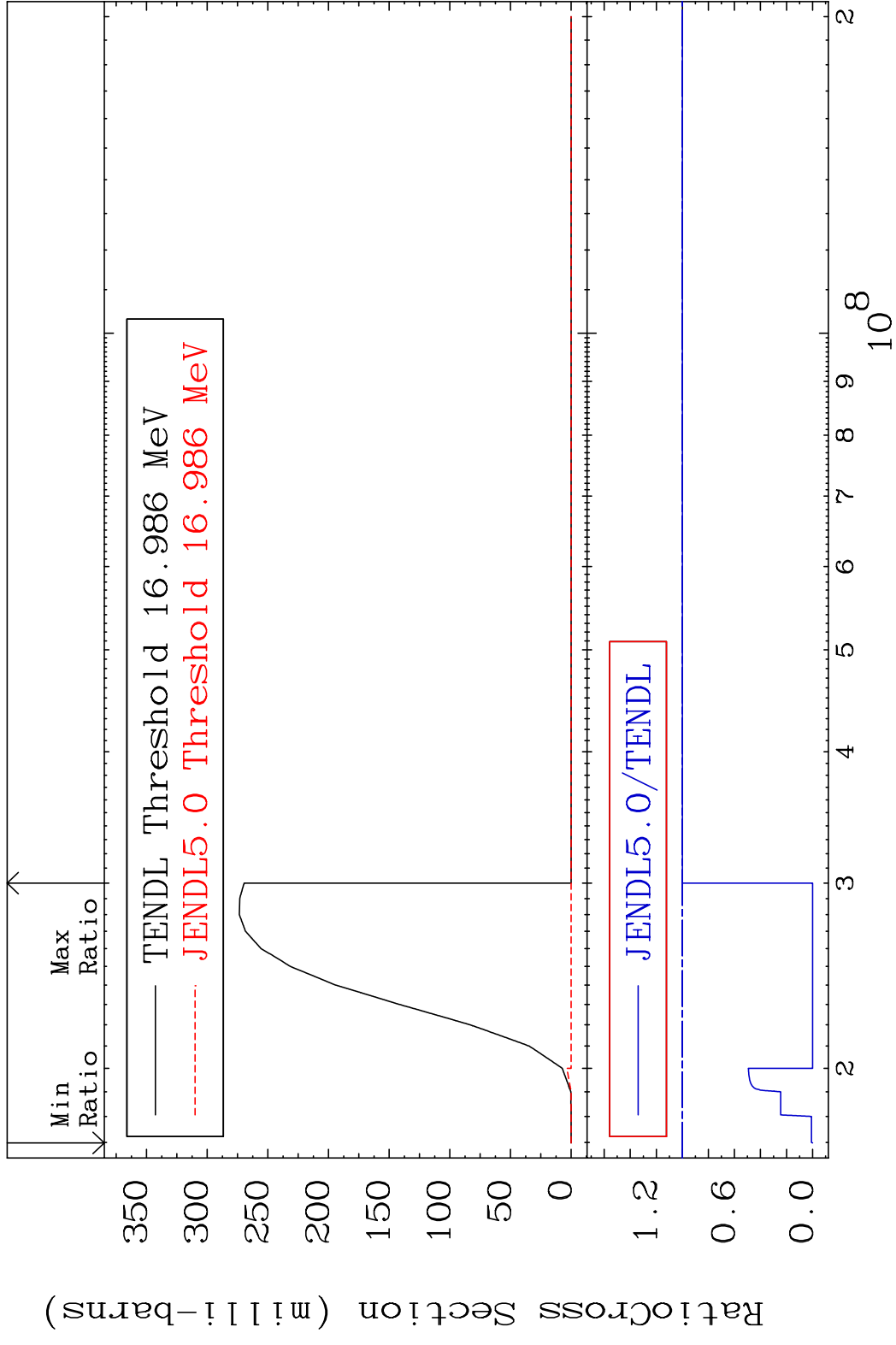


10 Incident Energy (eV) 29-Cu-63

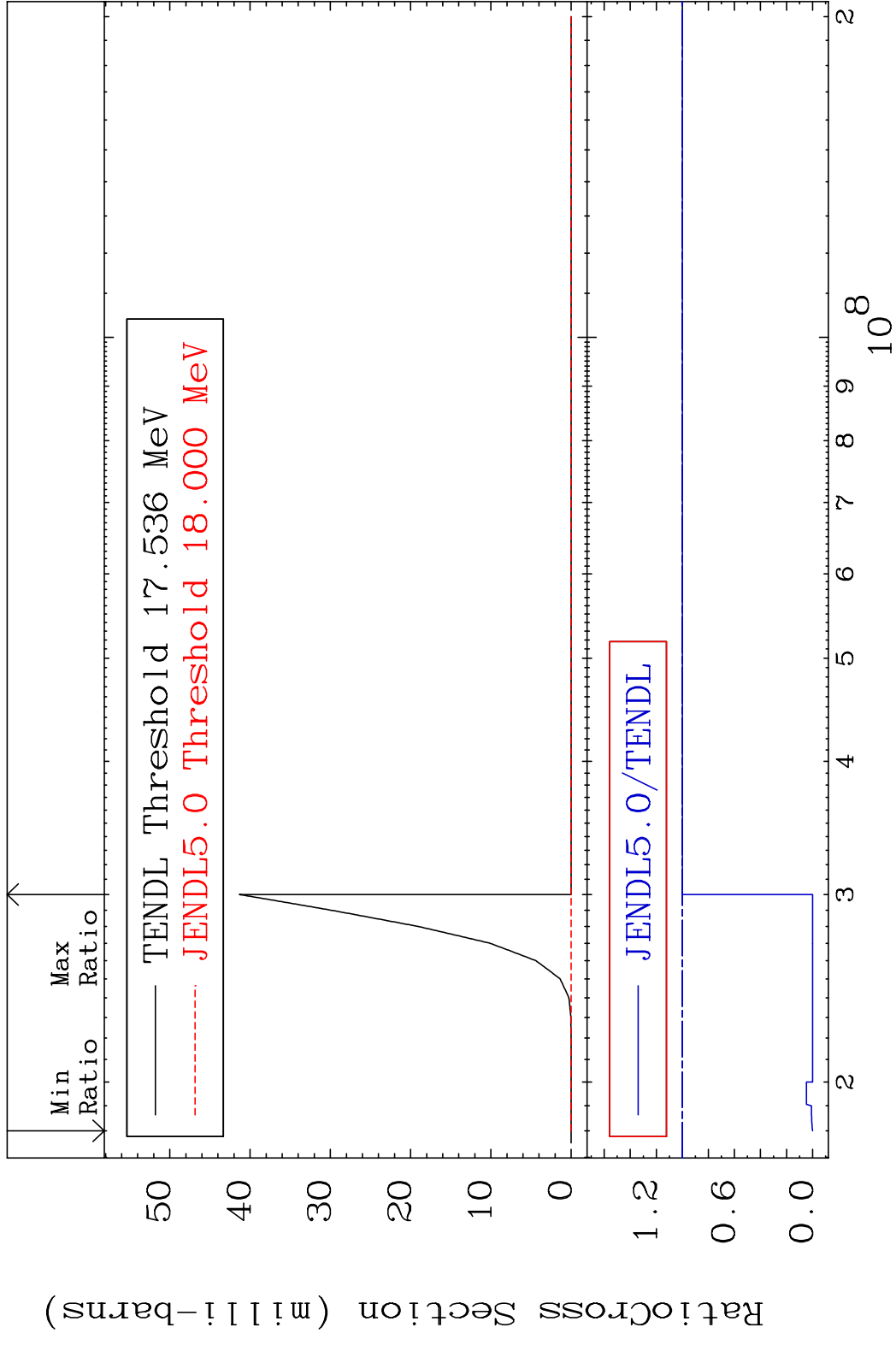
MAT 2925 (n, n') t 29-Cu-63
 Cross Section -100.0 To 341.2 %



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 %

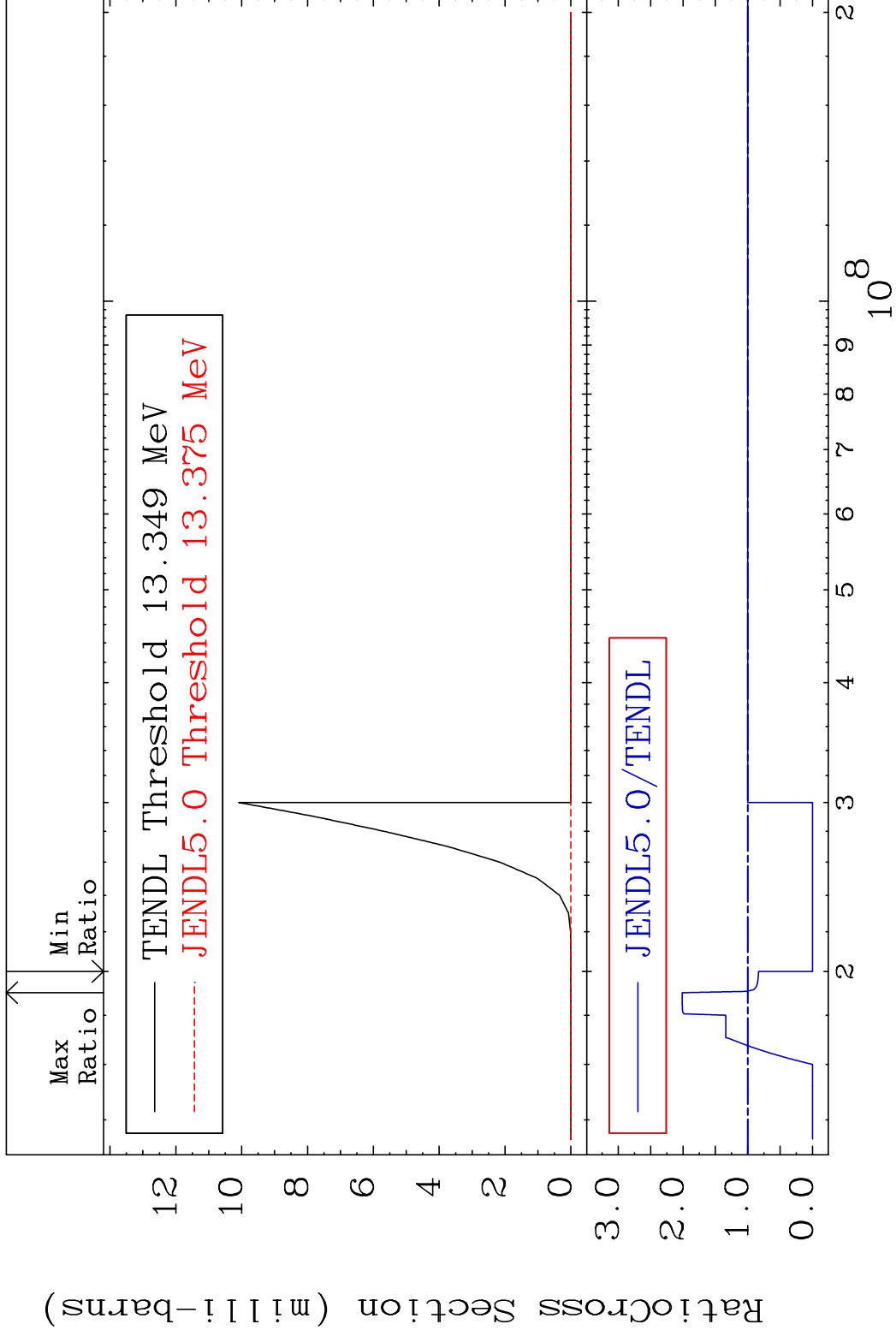


MAT 2925

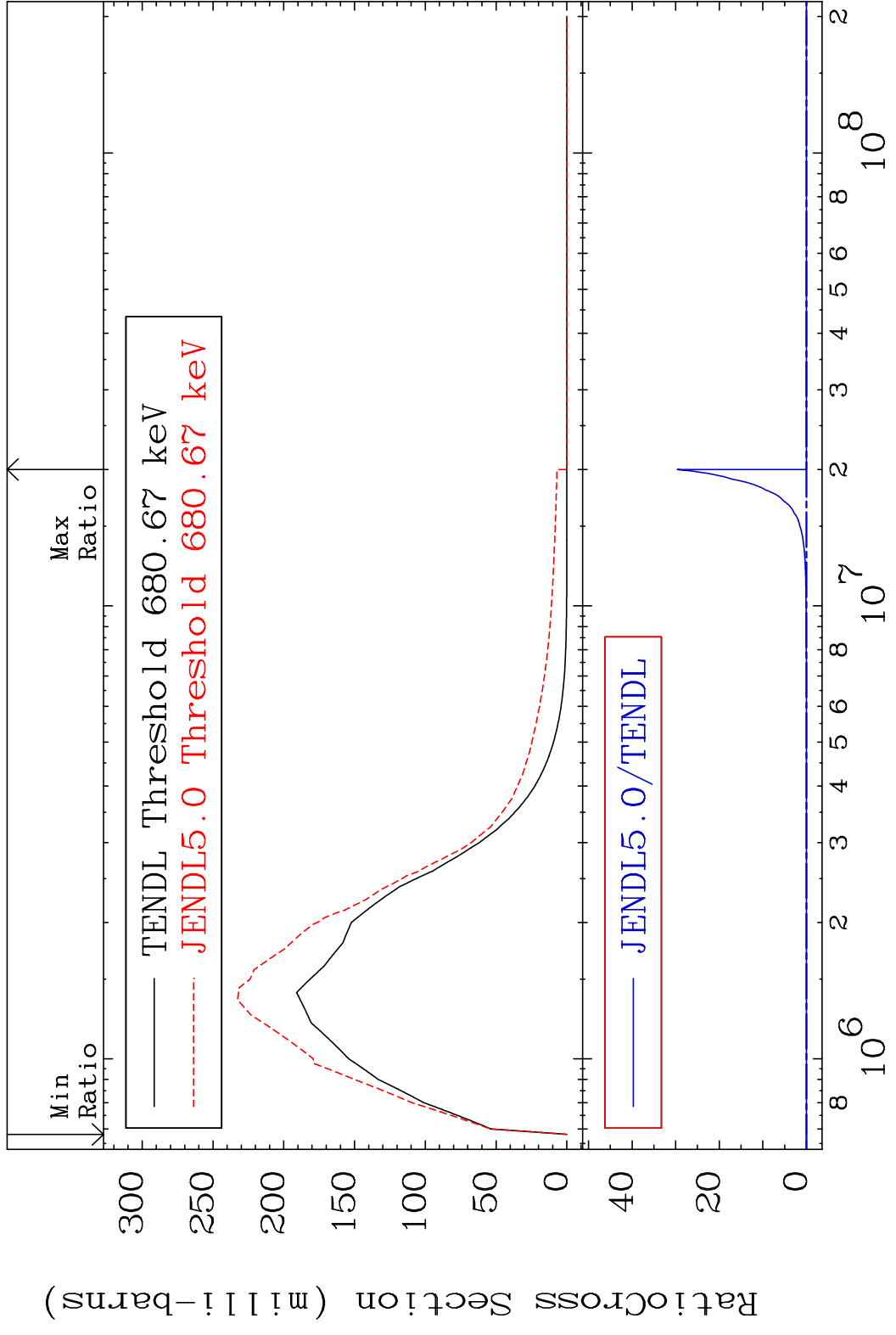
(n,n') p α

29-Cu-63

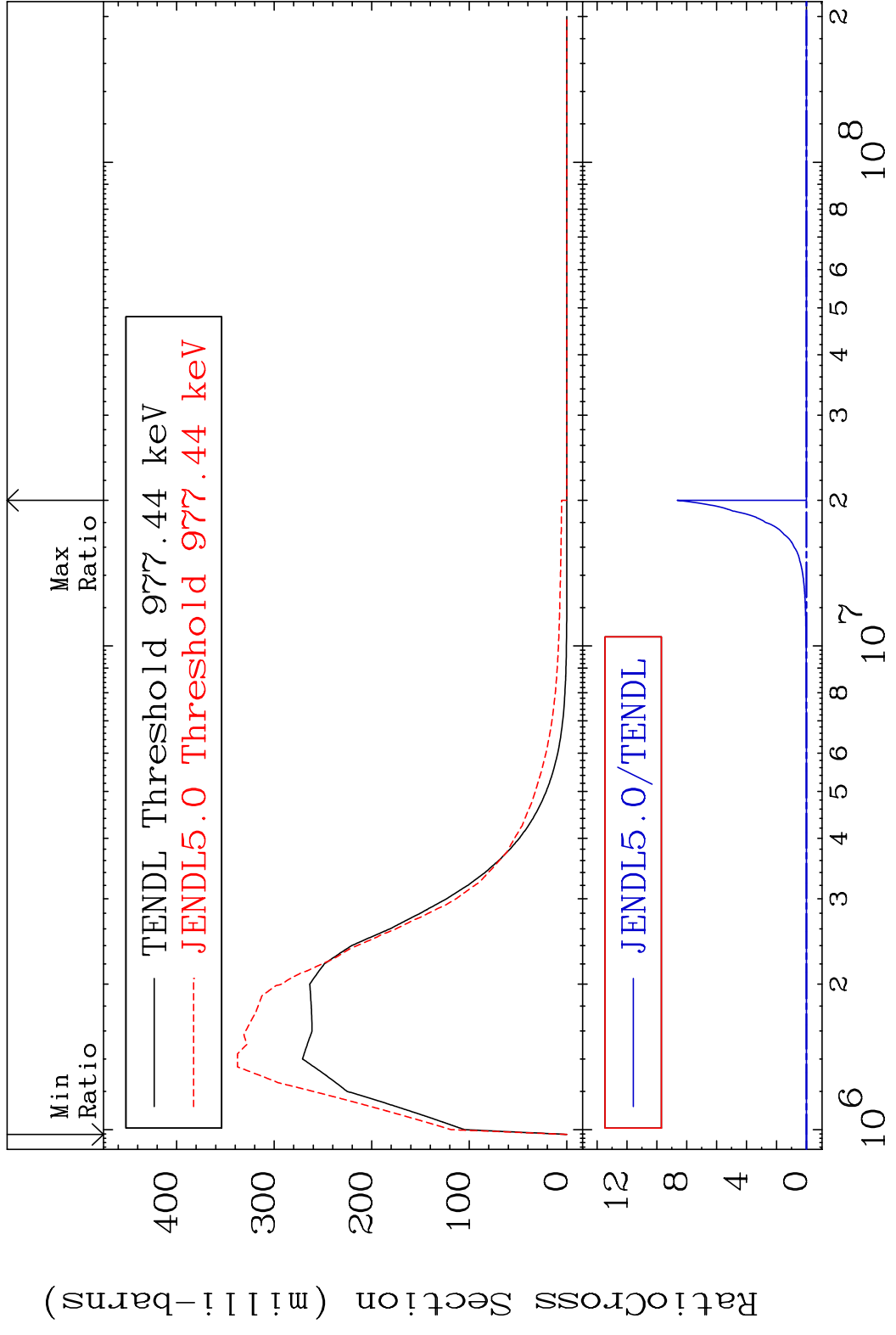
Cross Section -100.0 To 101.3 %



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

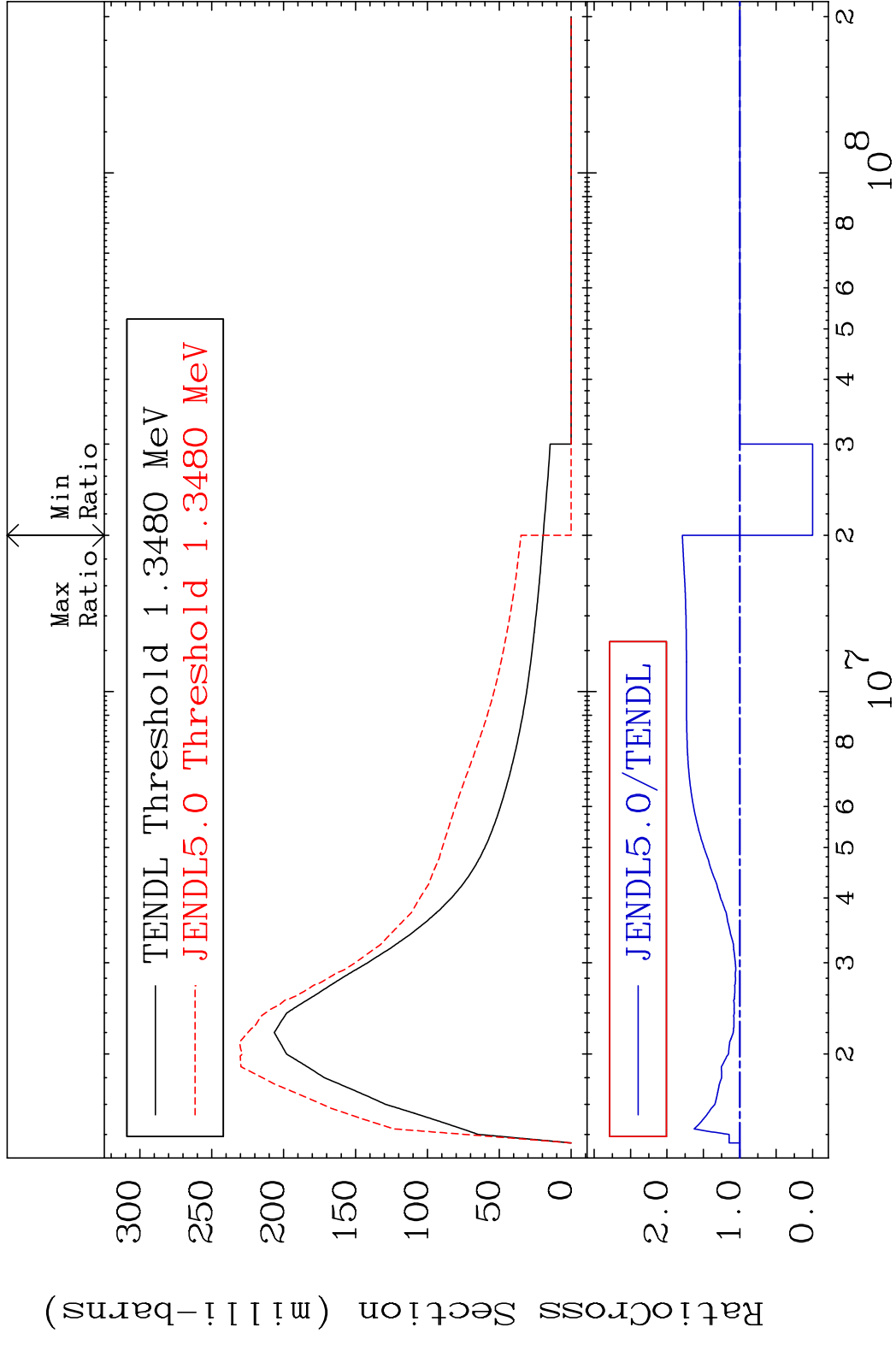


MAT 2925 MT= 52 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

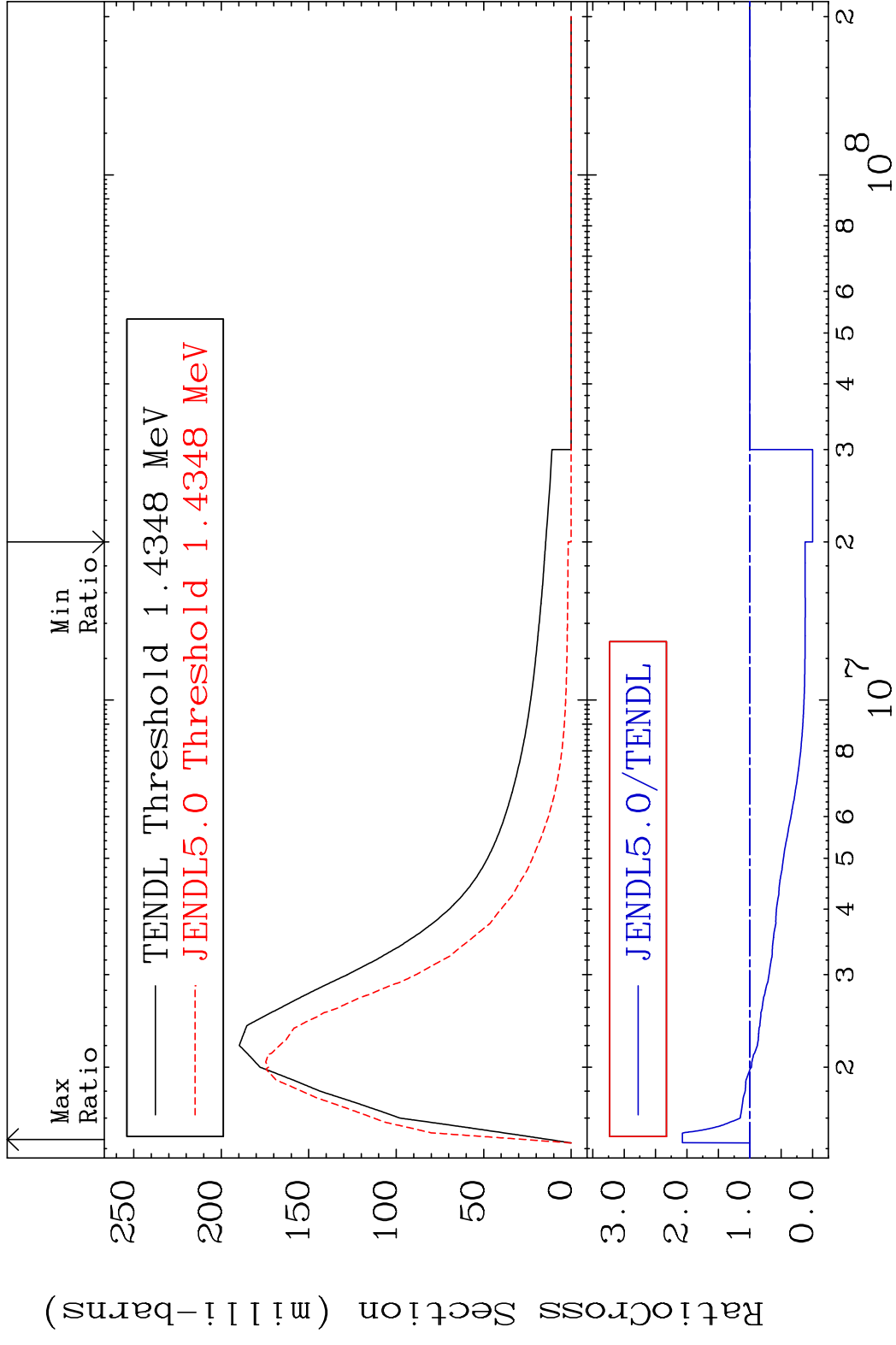


16 29-Cu-63

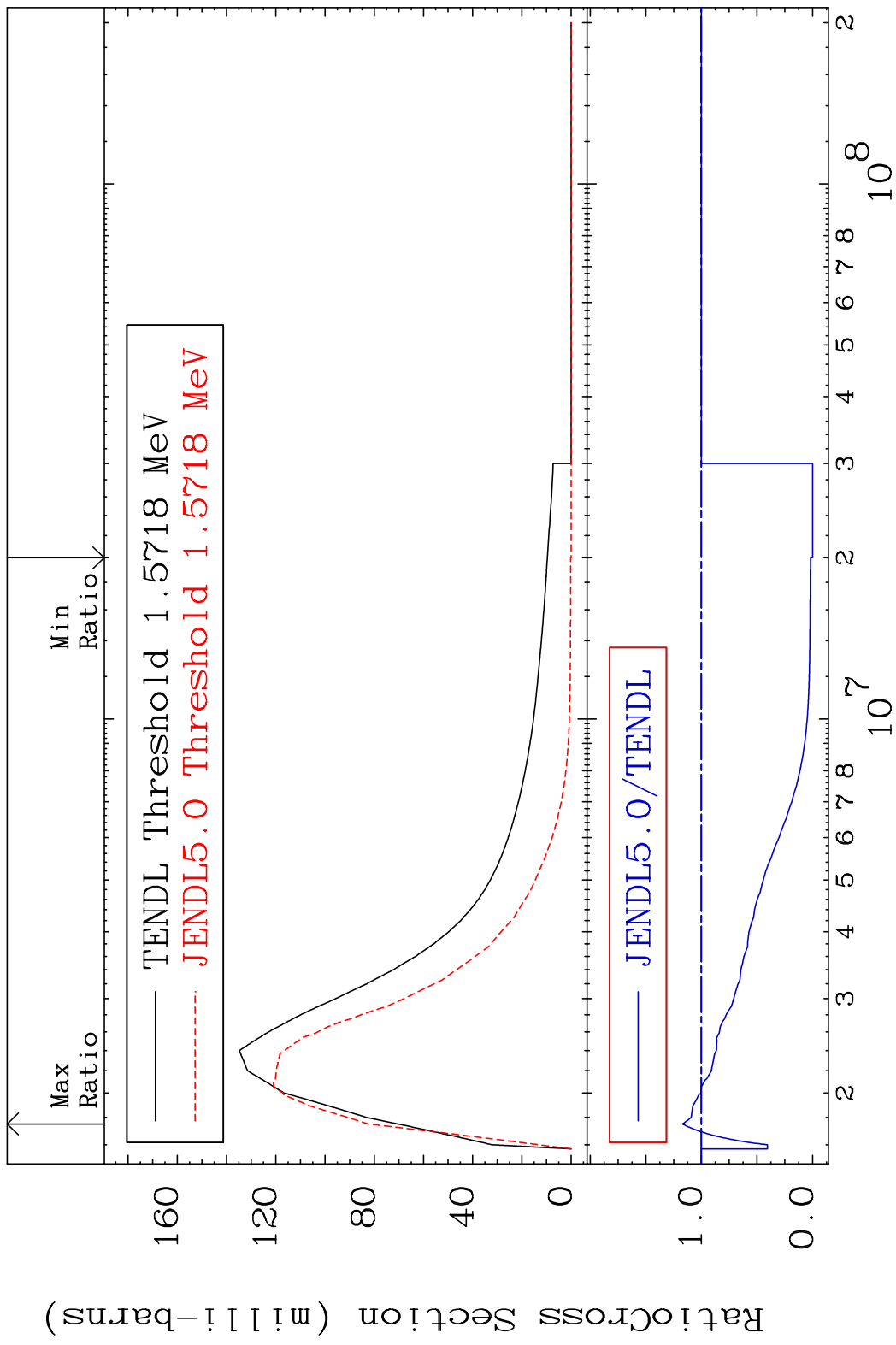
MAT 2925 MT= 53 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 78.86 %



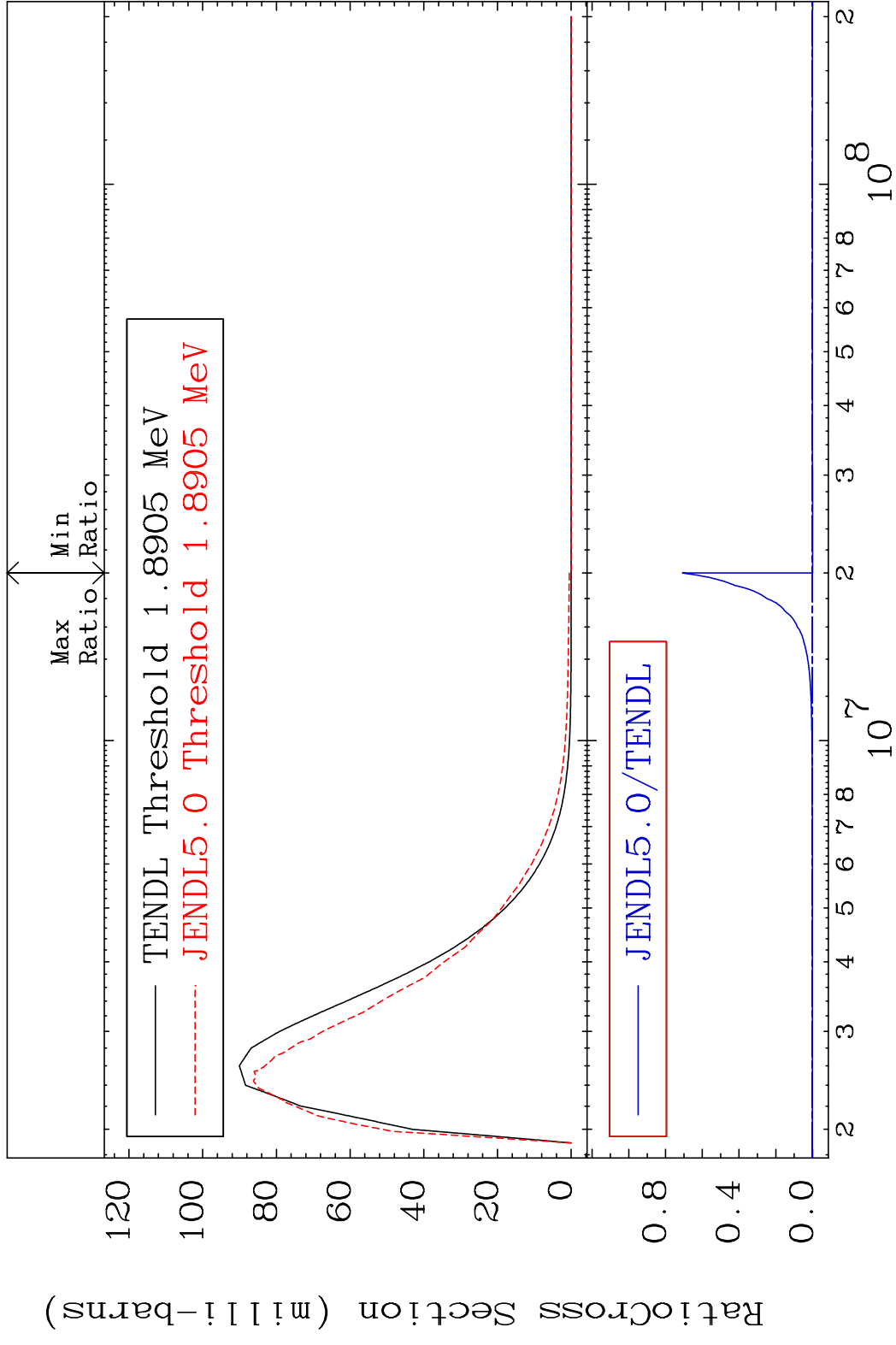
MAT 2925 MT= 54 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 107.3 %



MAT 2925 MT= 55 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 17.15 %

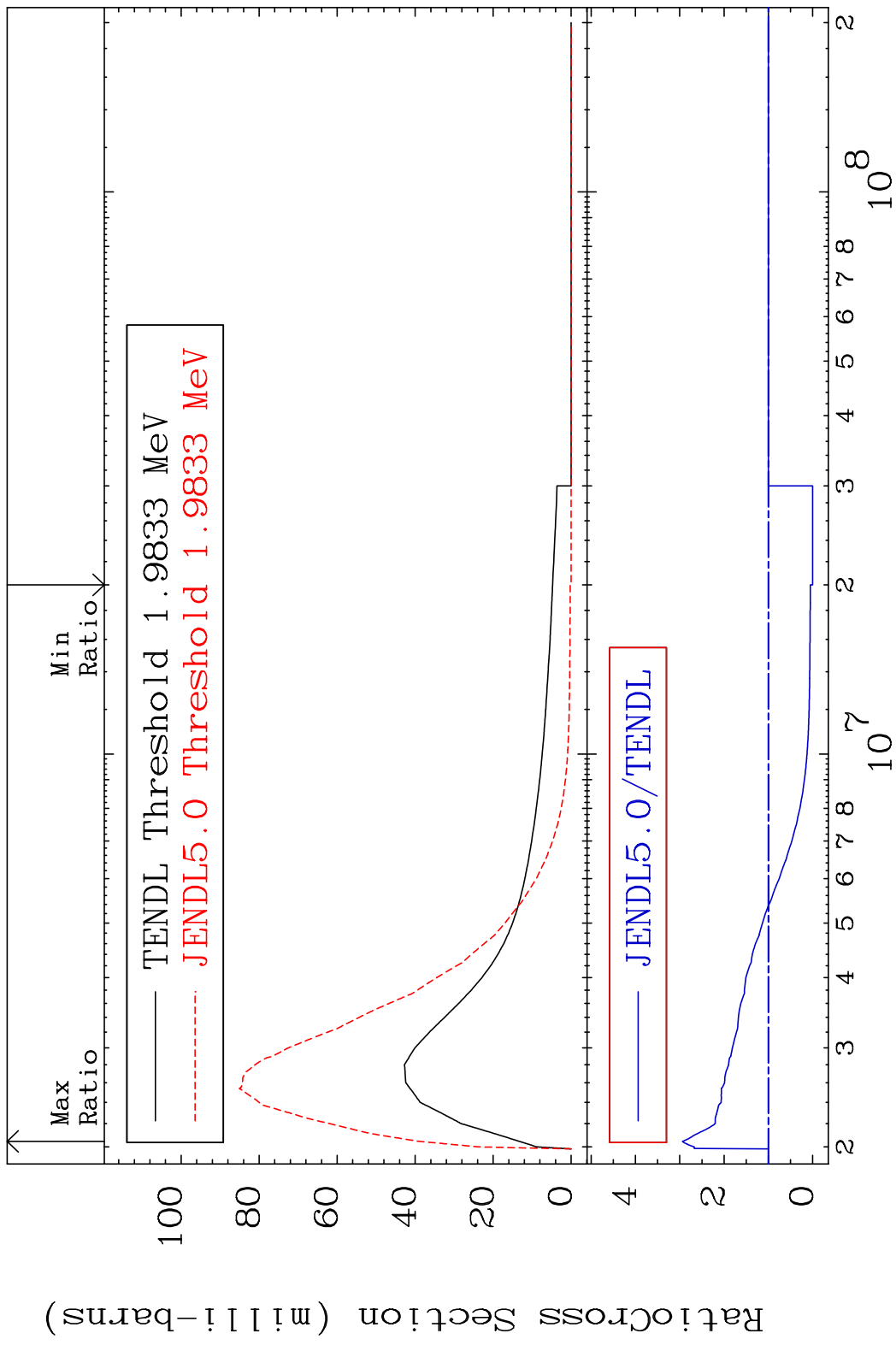


MAT 2925 MT= 56 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

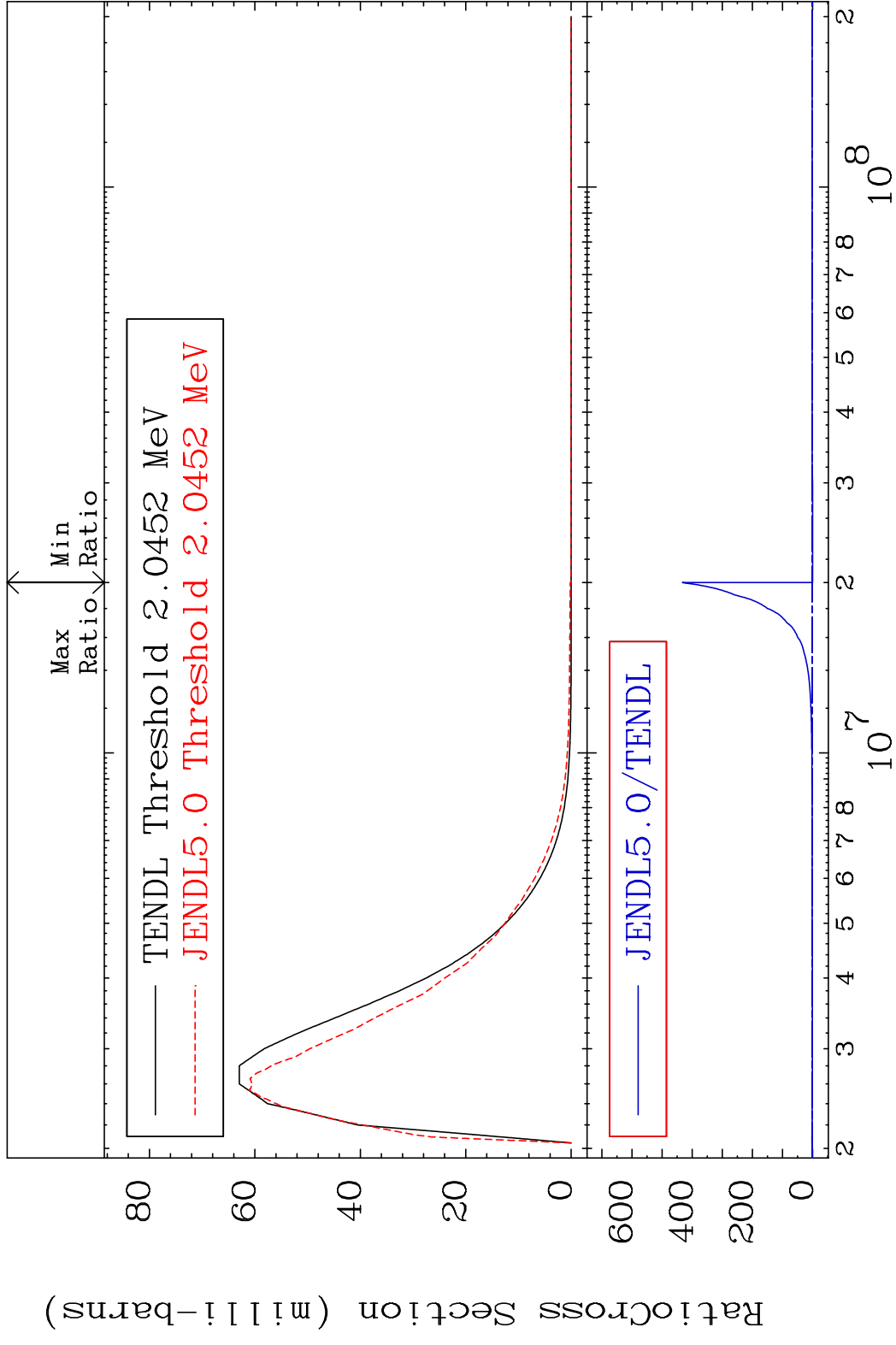


20 Incident Energy (eV) 29-Cu-63

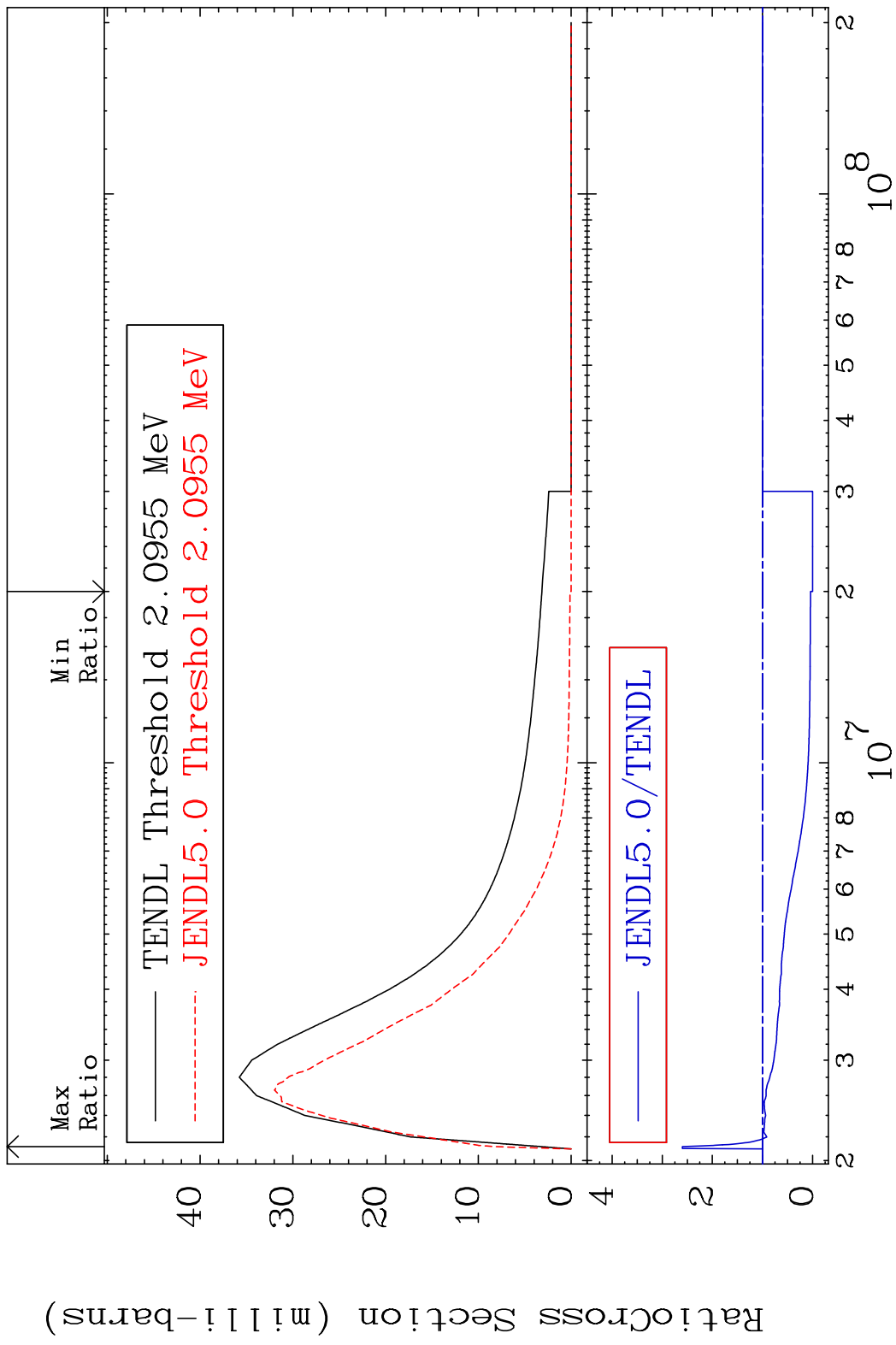
MAT 2925 MT= 57 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 194.1 %



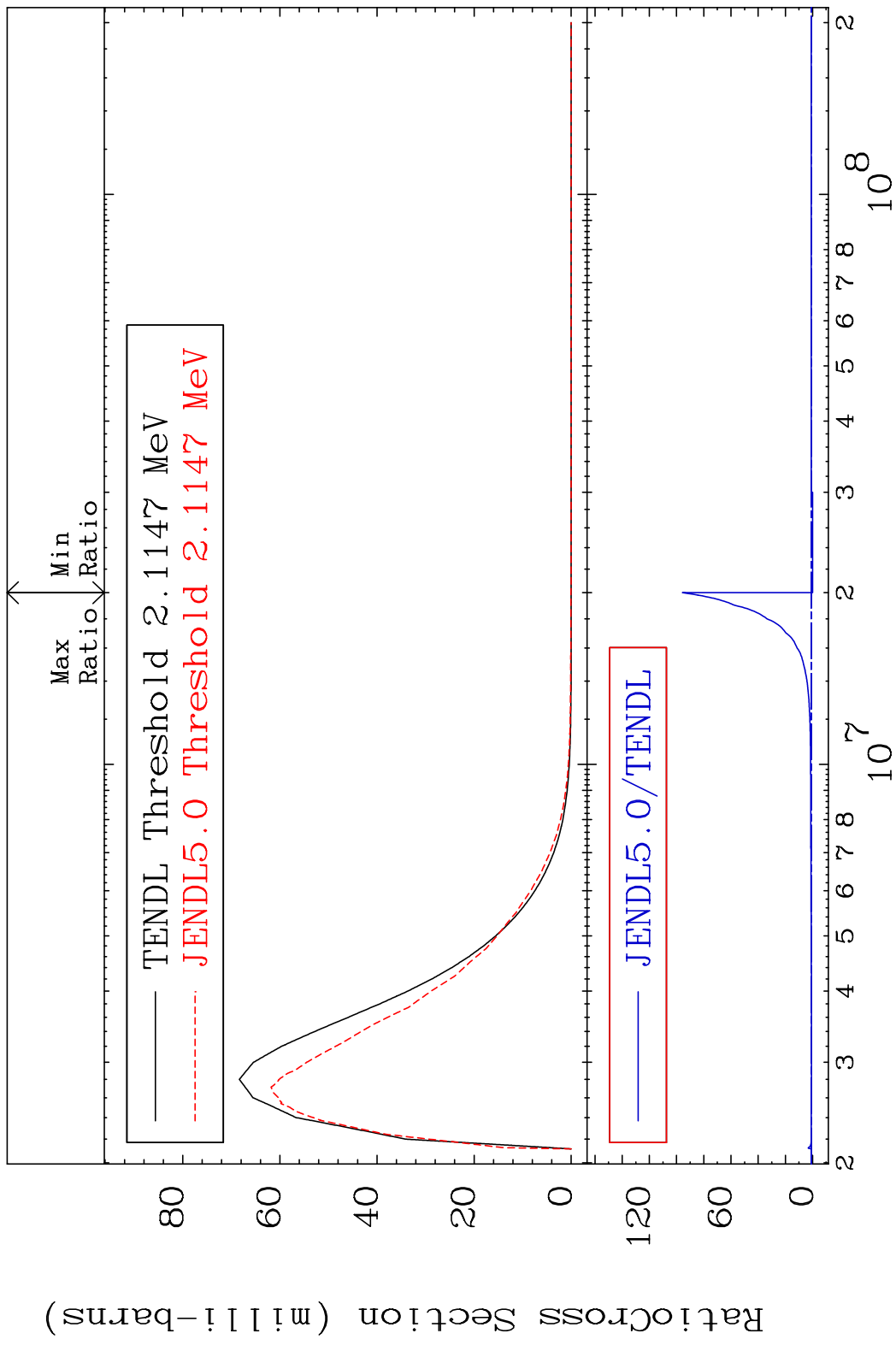
MAT 2925 MT= 58 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



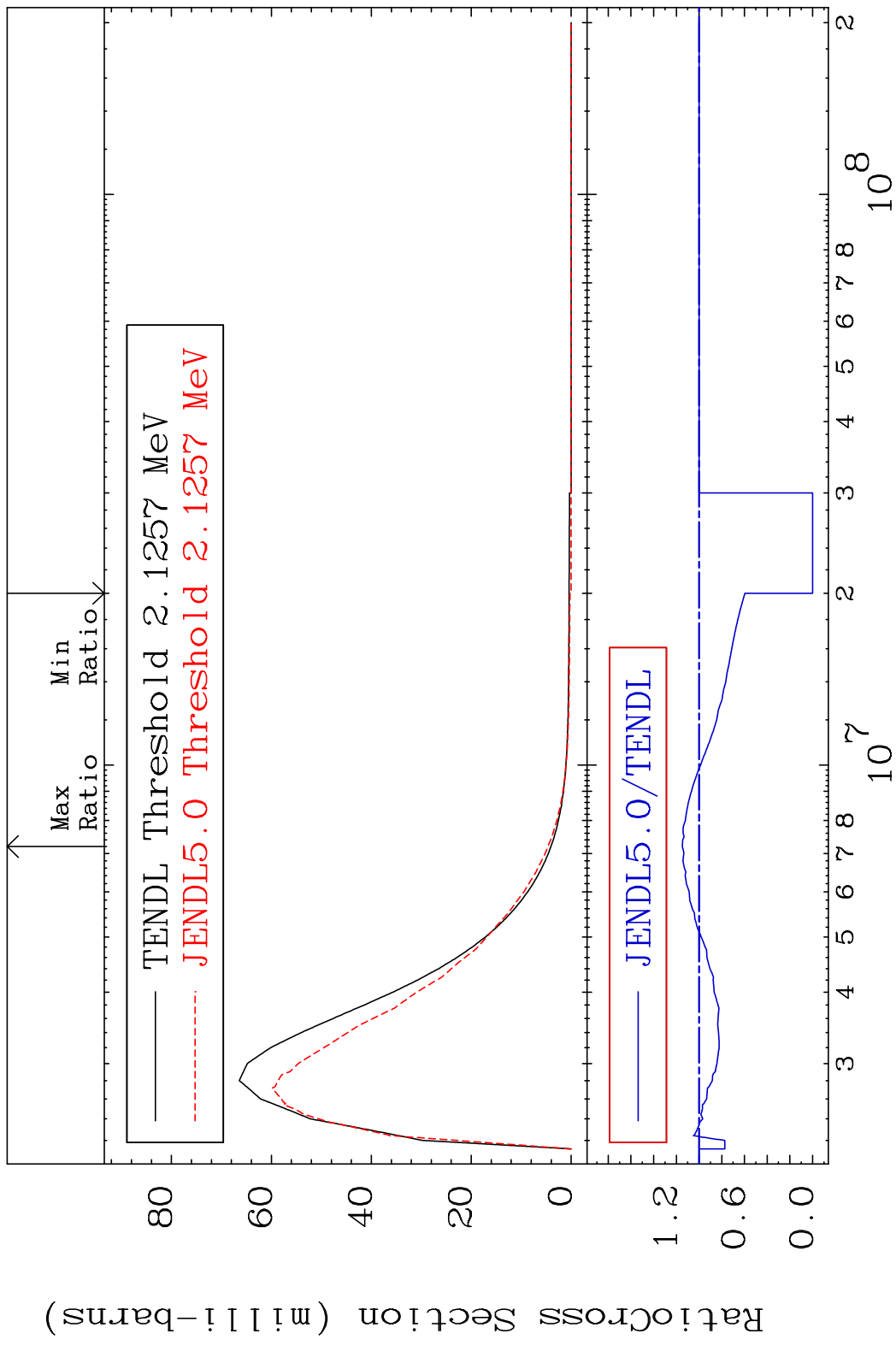
MAT 2925 MT= 59 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 159.9 %



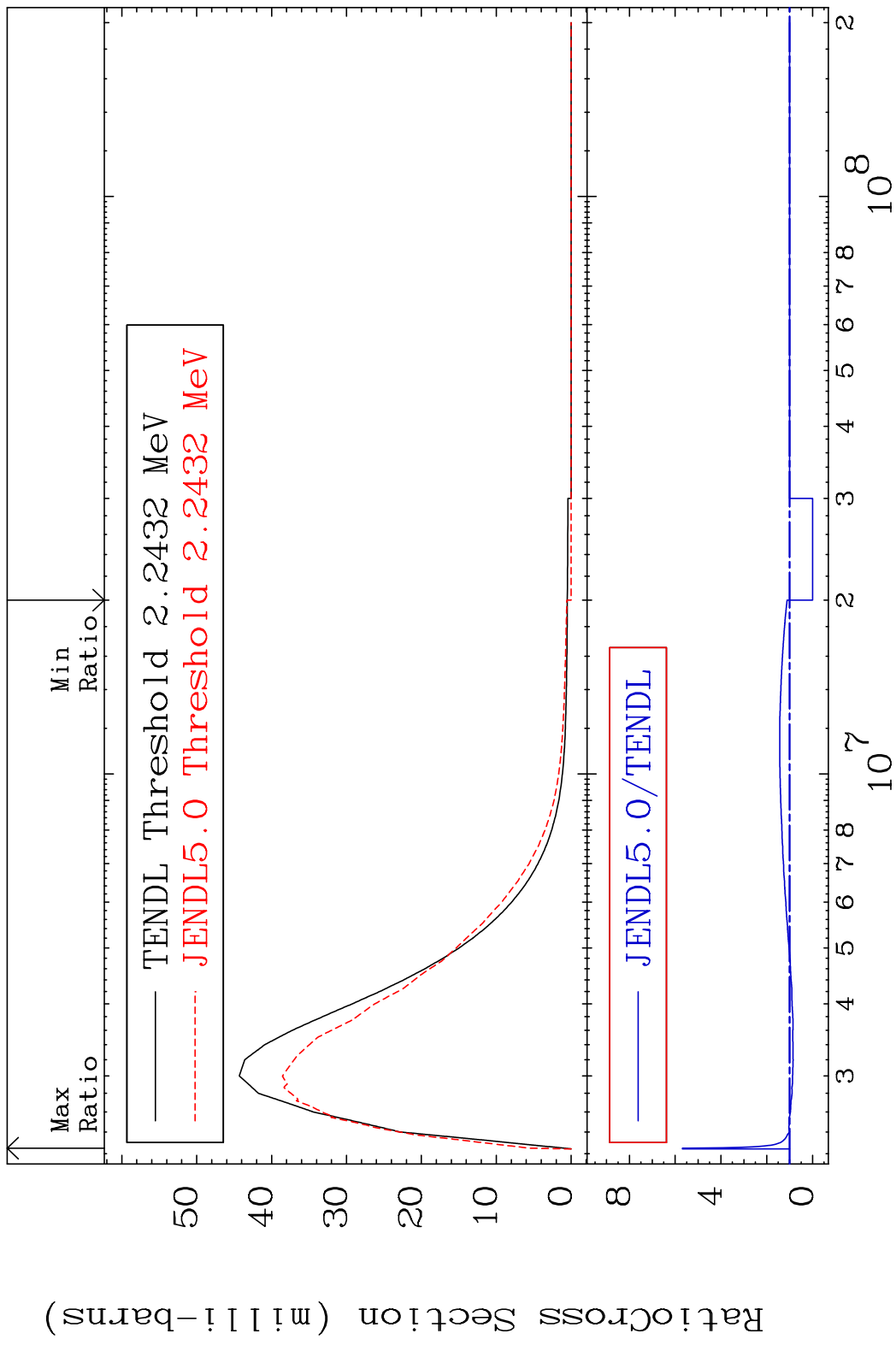
MAT 2925 MT= 60 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9475. %



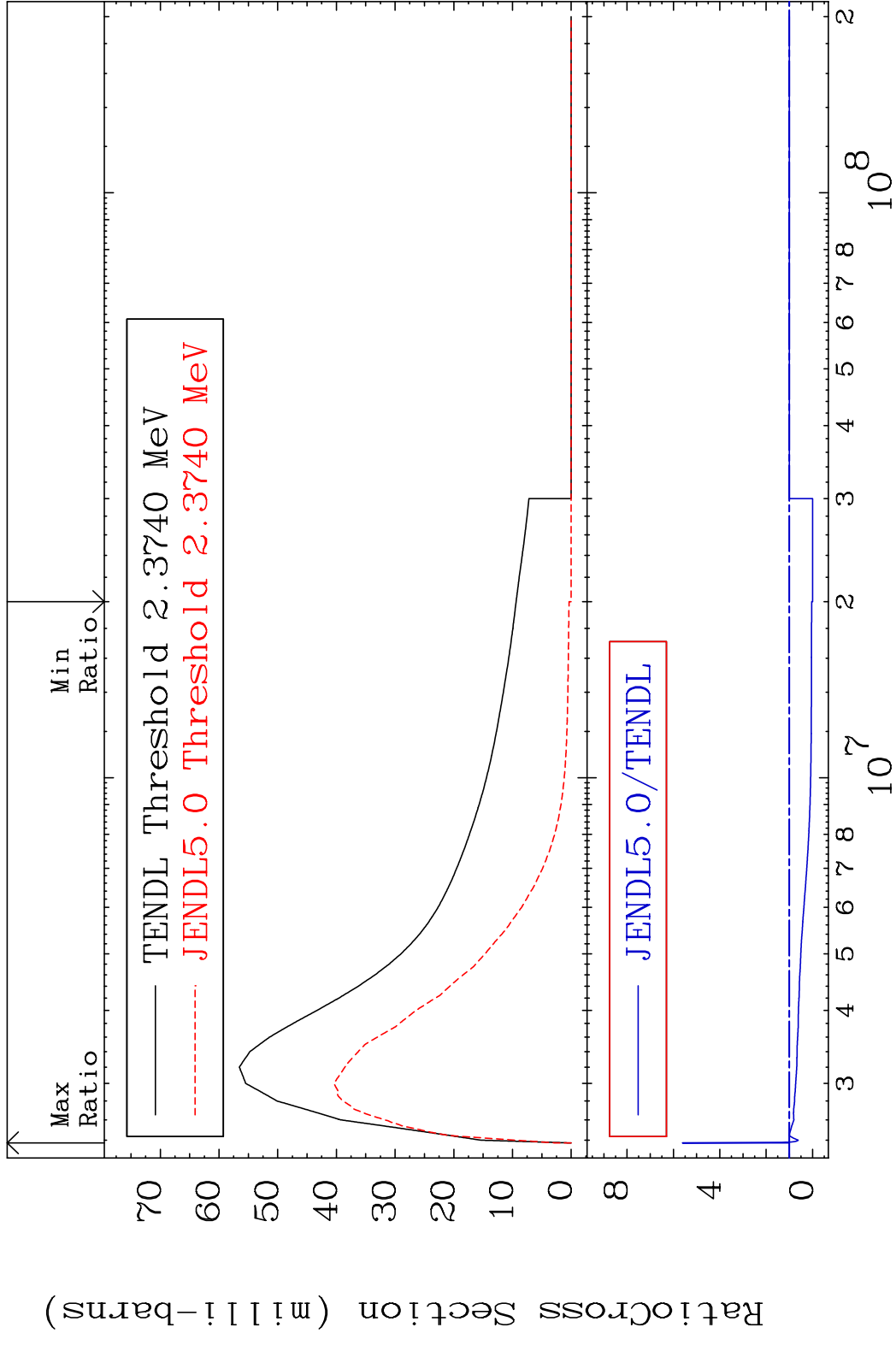
MAT 2925 MT= 61 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 14.71 %



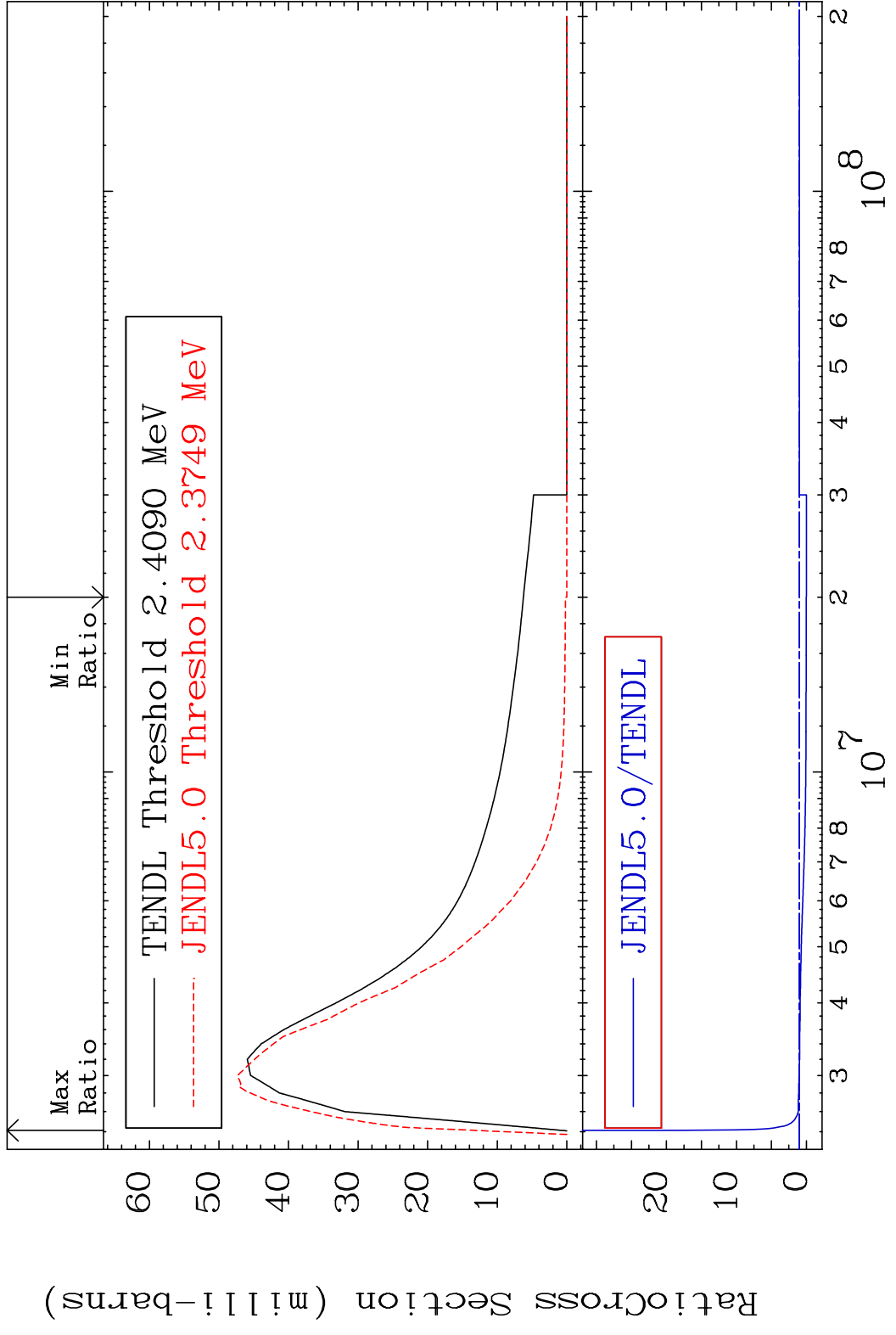
MAT 2925 MT= 62 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 468.8 %



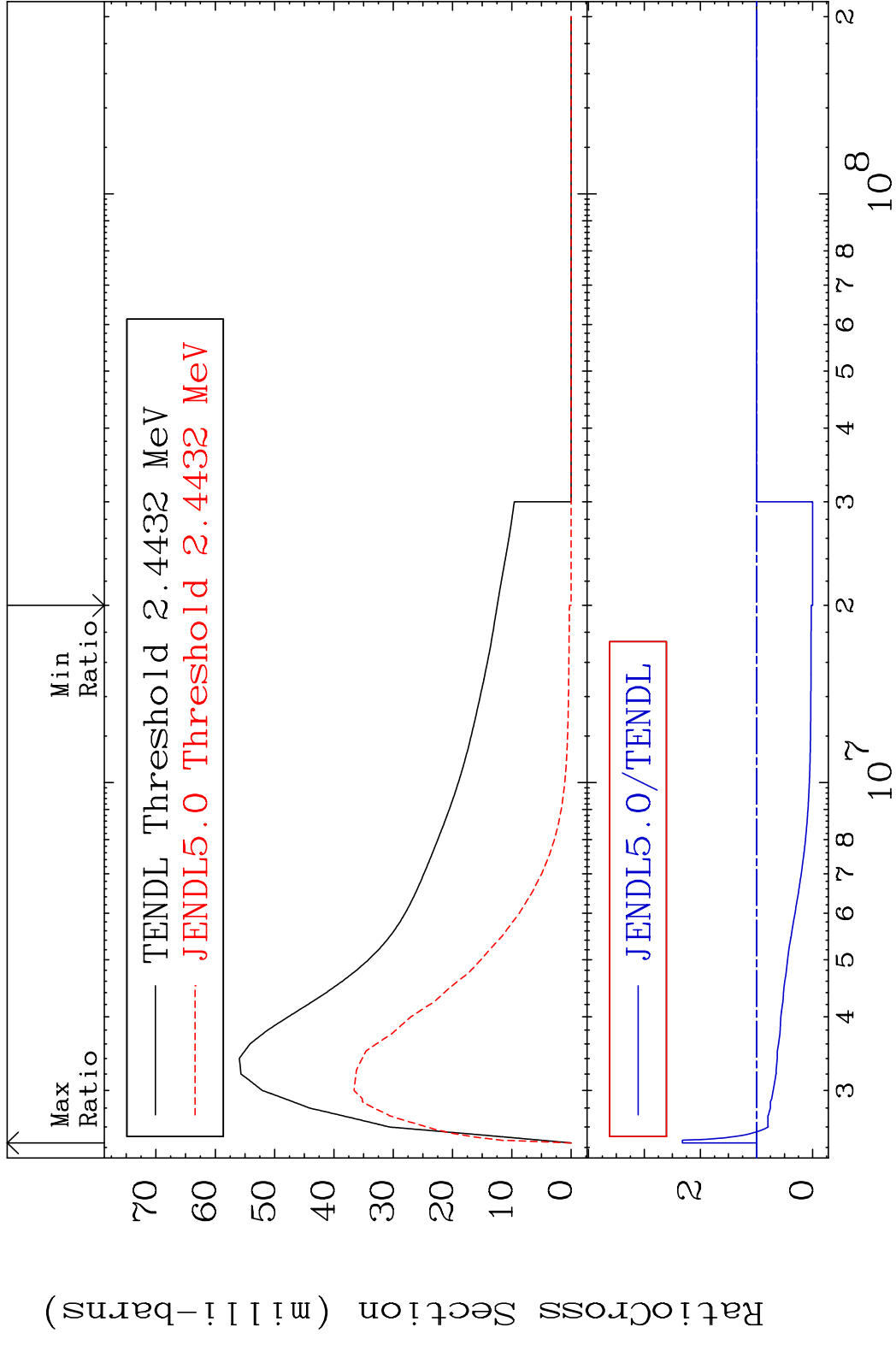
MAT 2925 MT= 63 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 461.5 %



MAT 2925 MT= 64 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 1746. %

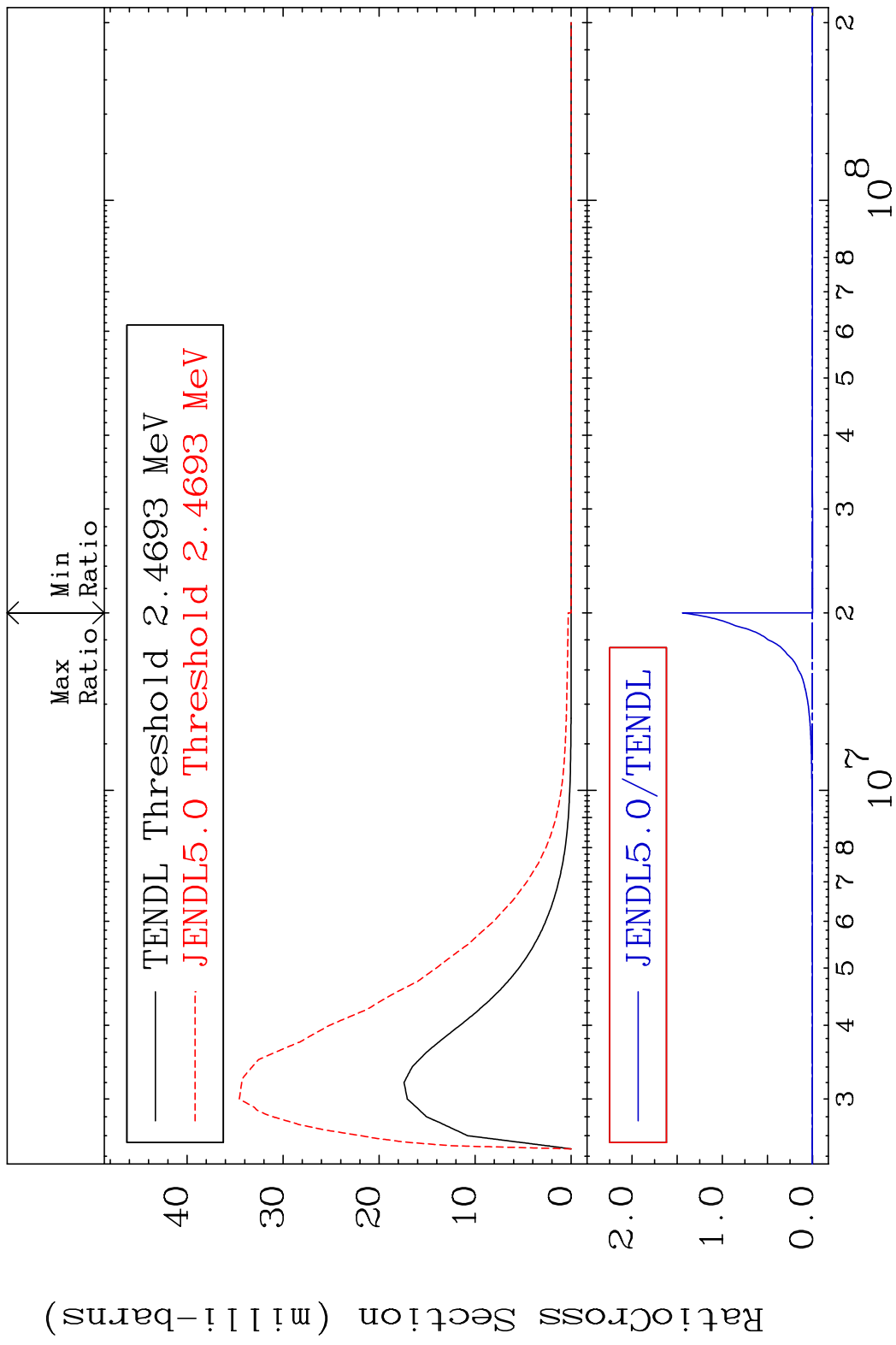


MAT 2925 MT= 65 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 132.3 %

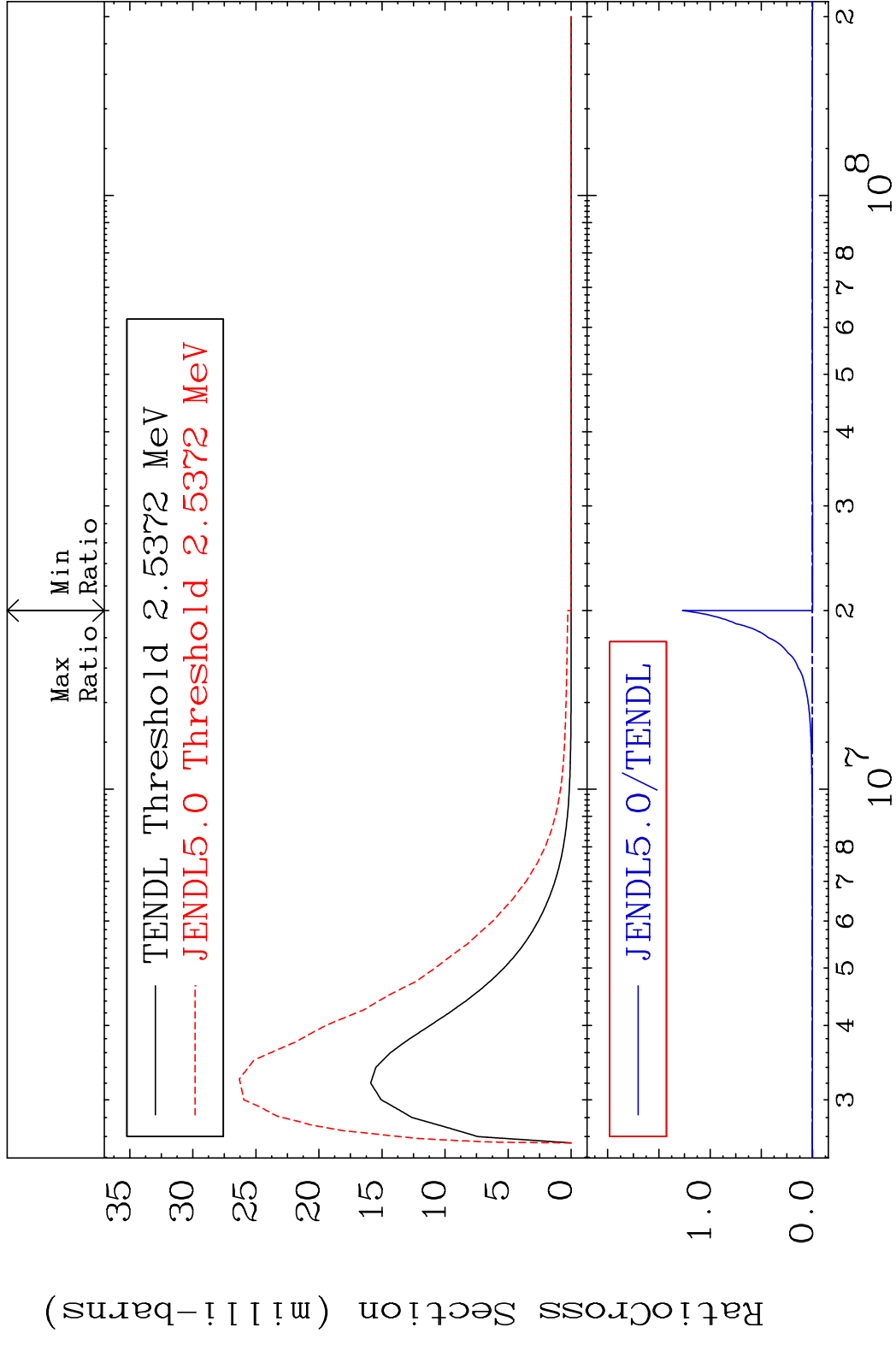


29 29-Cu-63

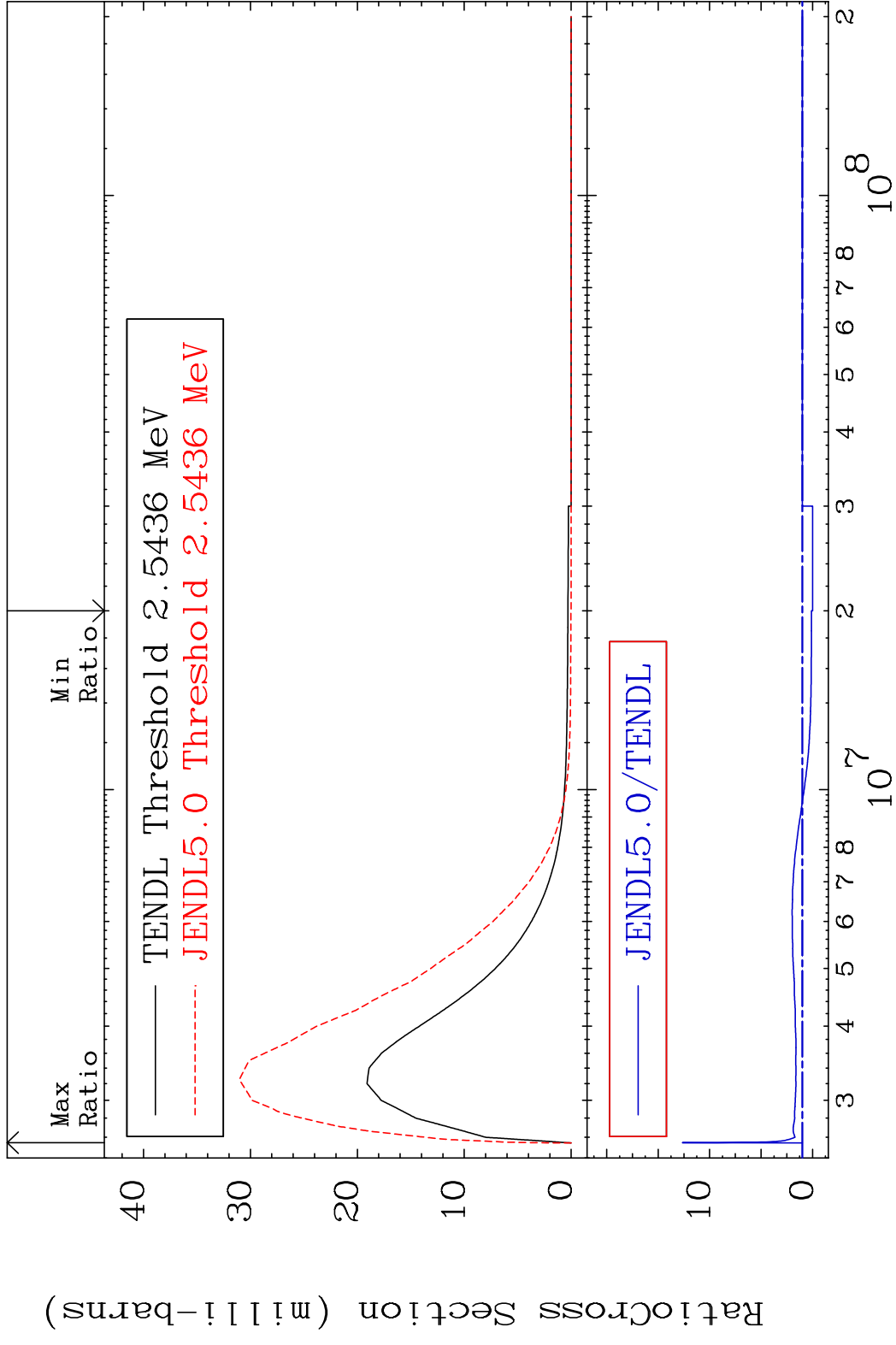
MAT 2925 MT= 66 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



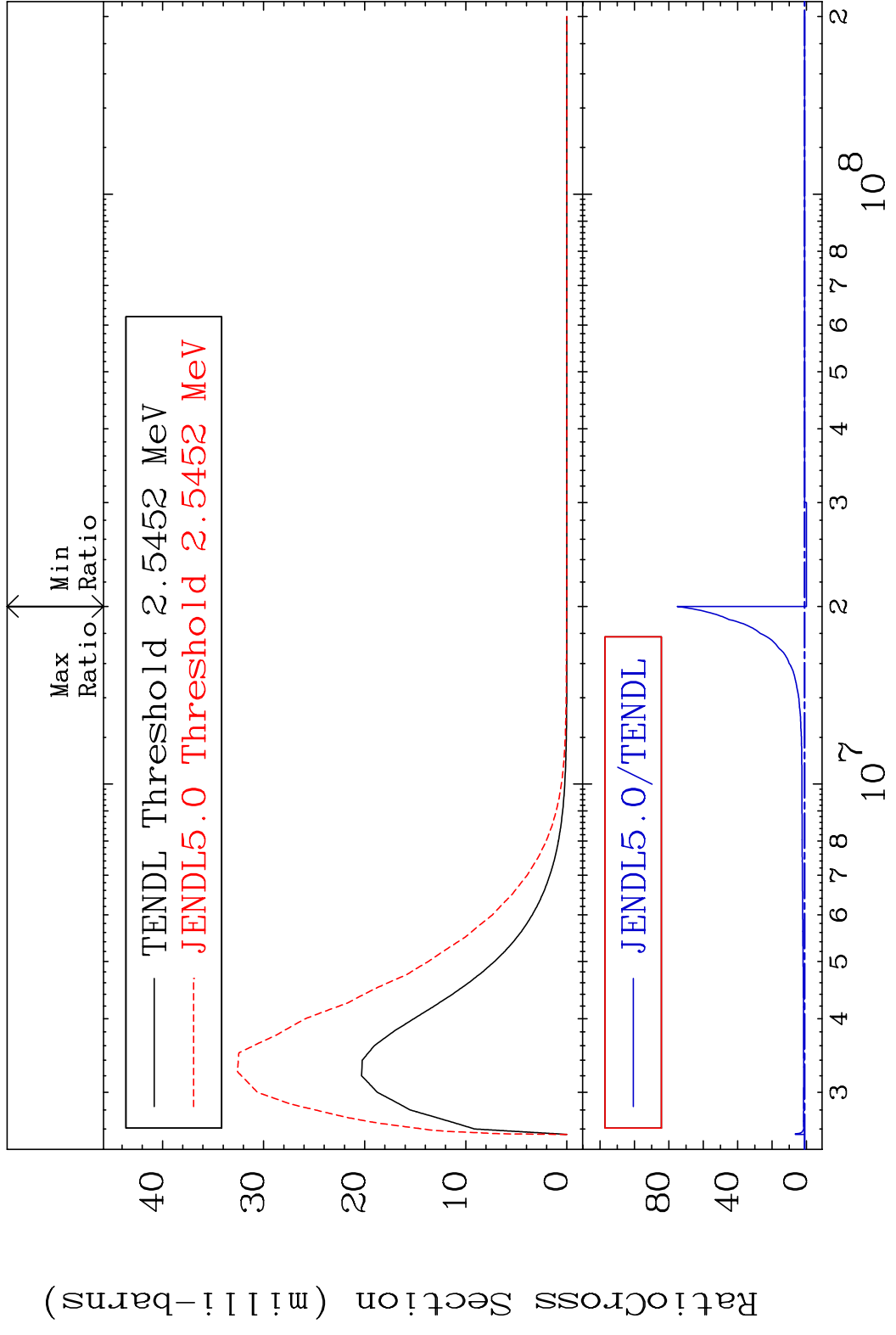
MAT 2925 MT= 67 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



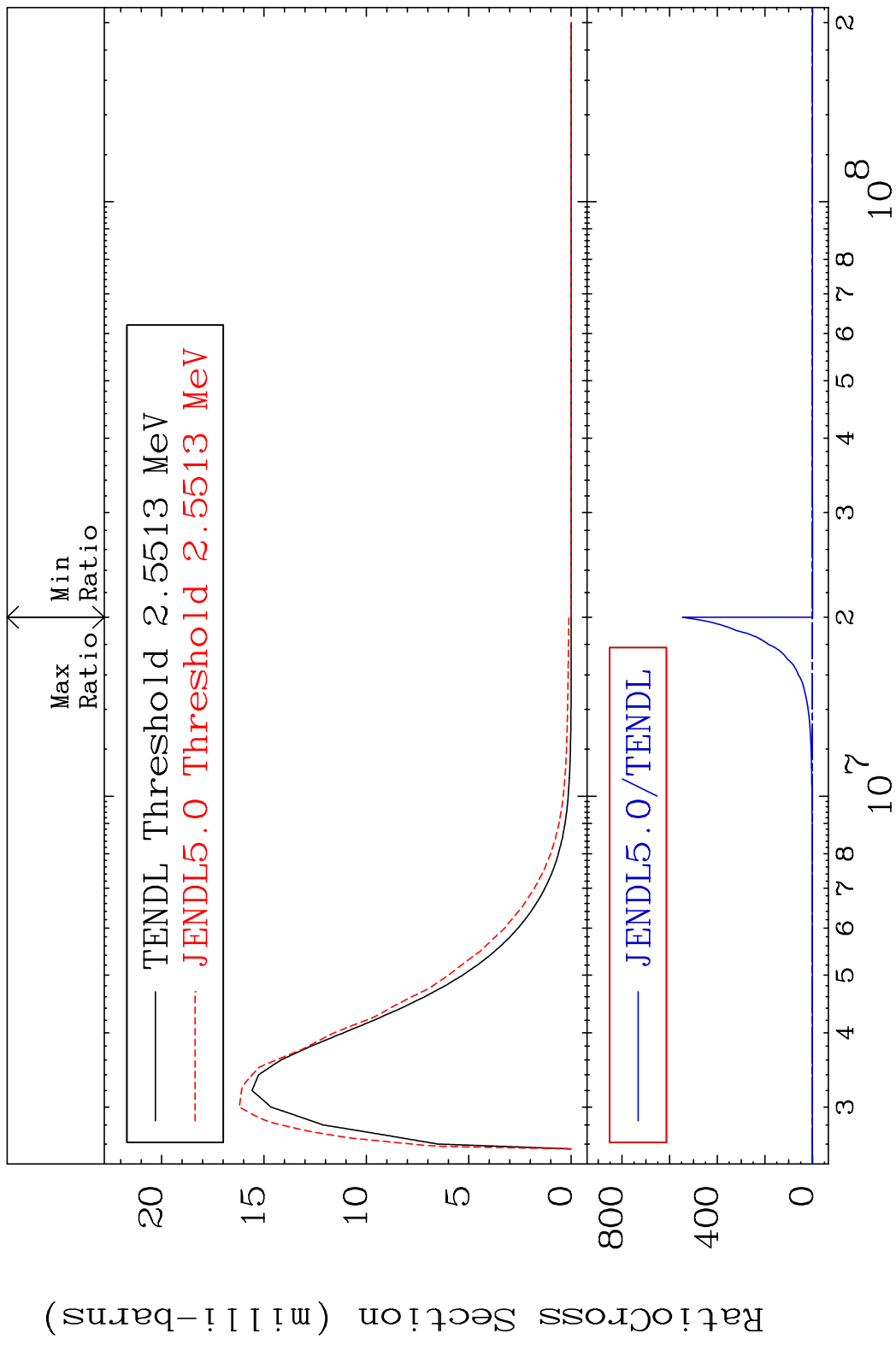
MAT 2925 MT= 68 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 1165. %



MAT 2925 MT= 69 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 7418. %

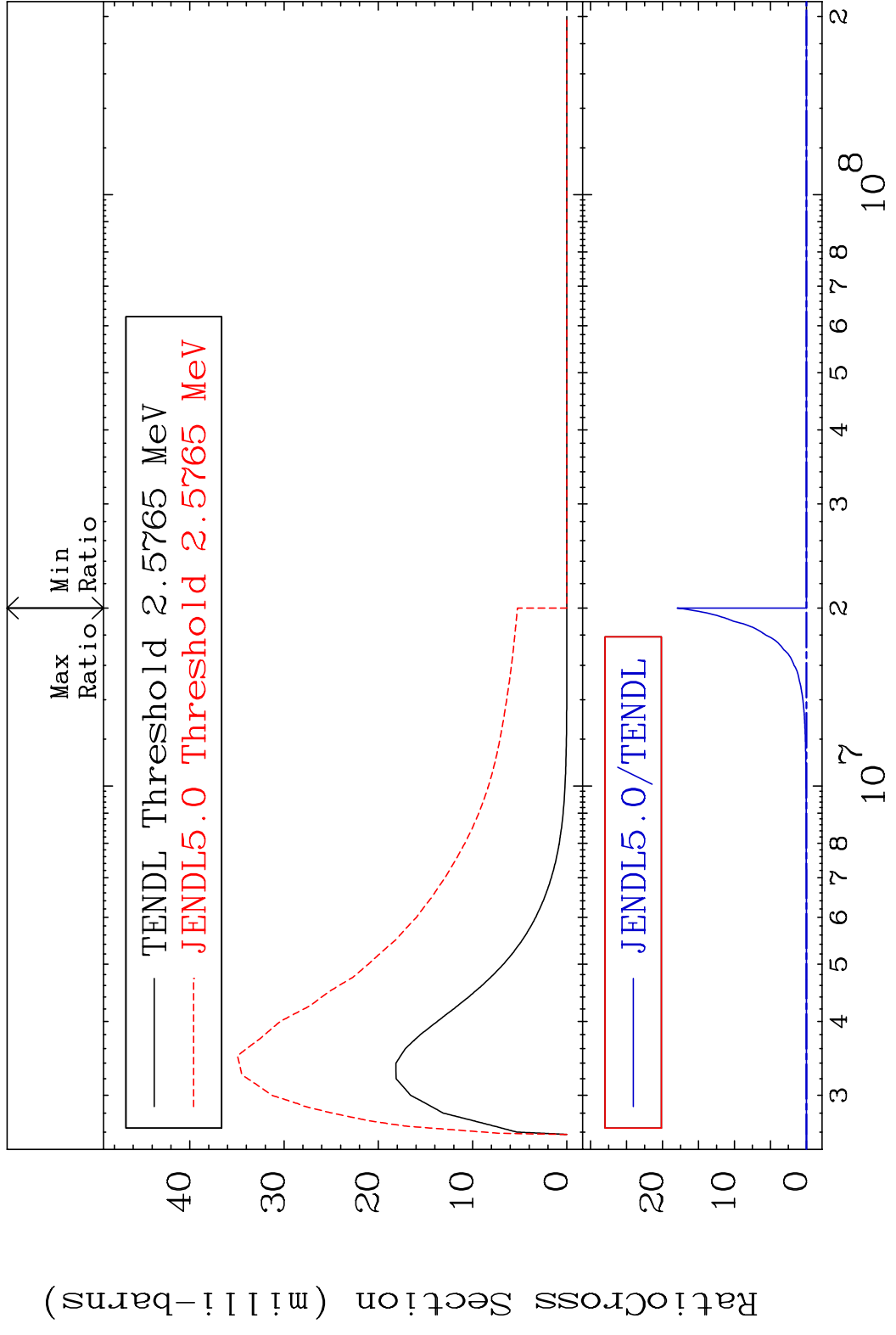


MAT 2925 MT= 70 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

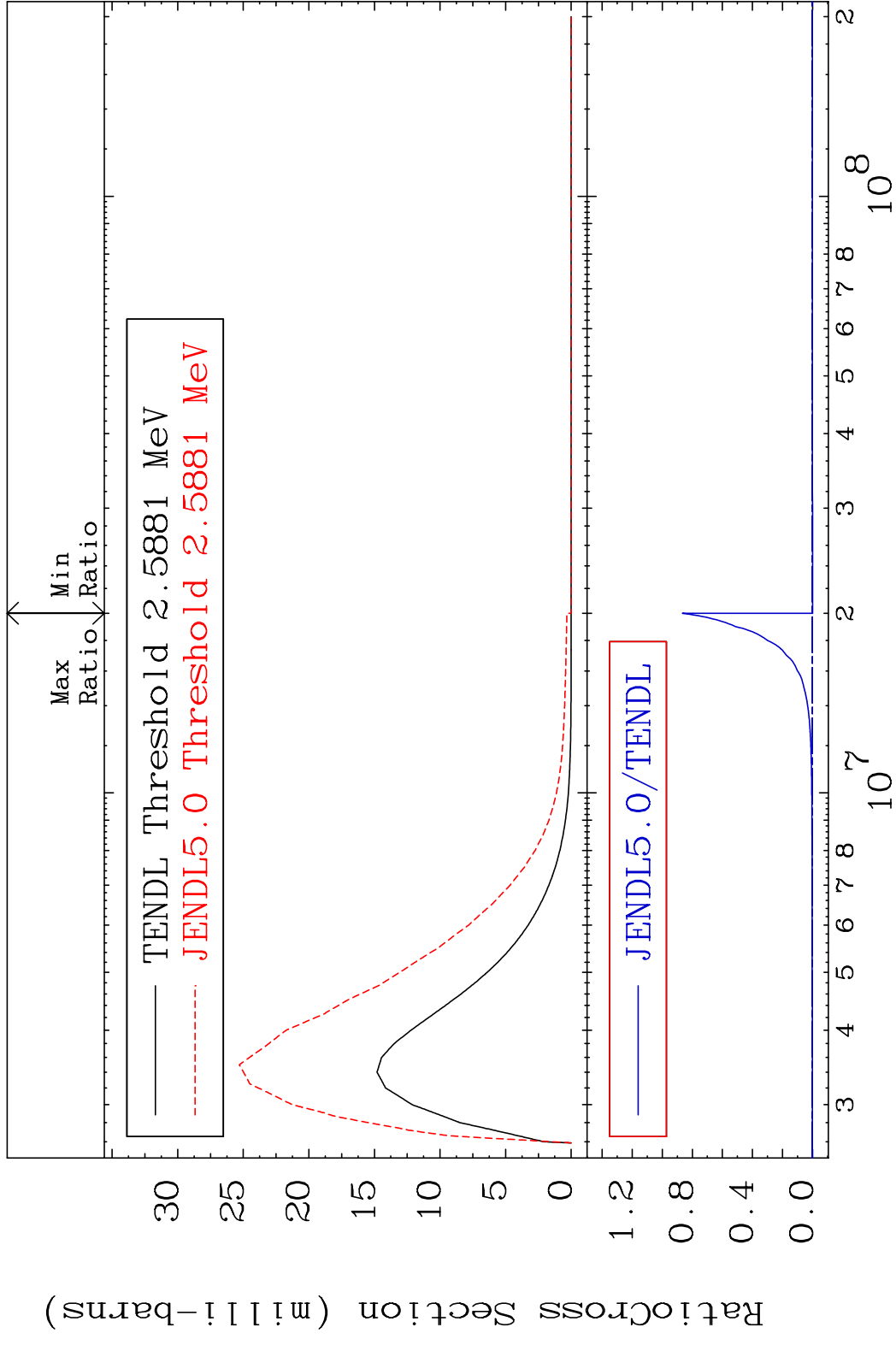


34 29-Cu-63

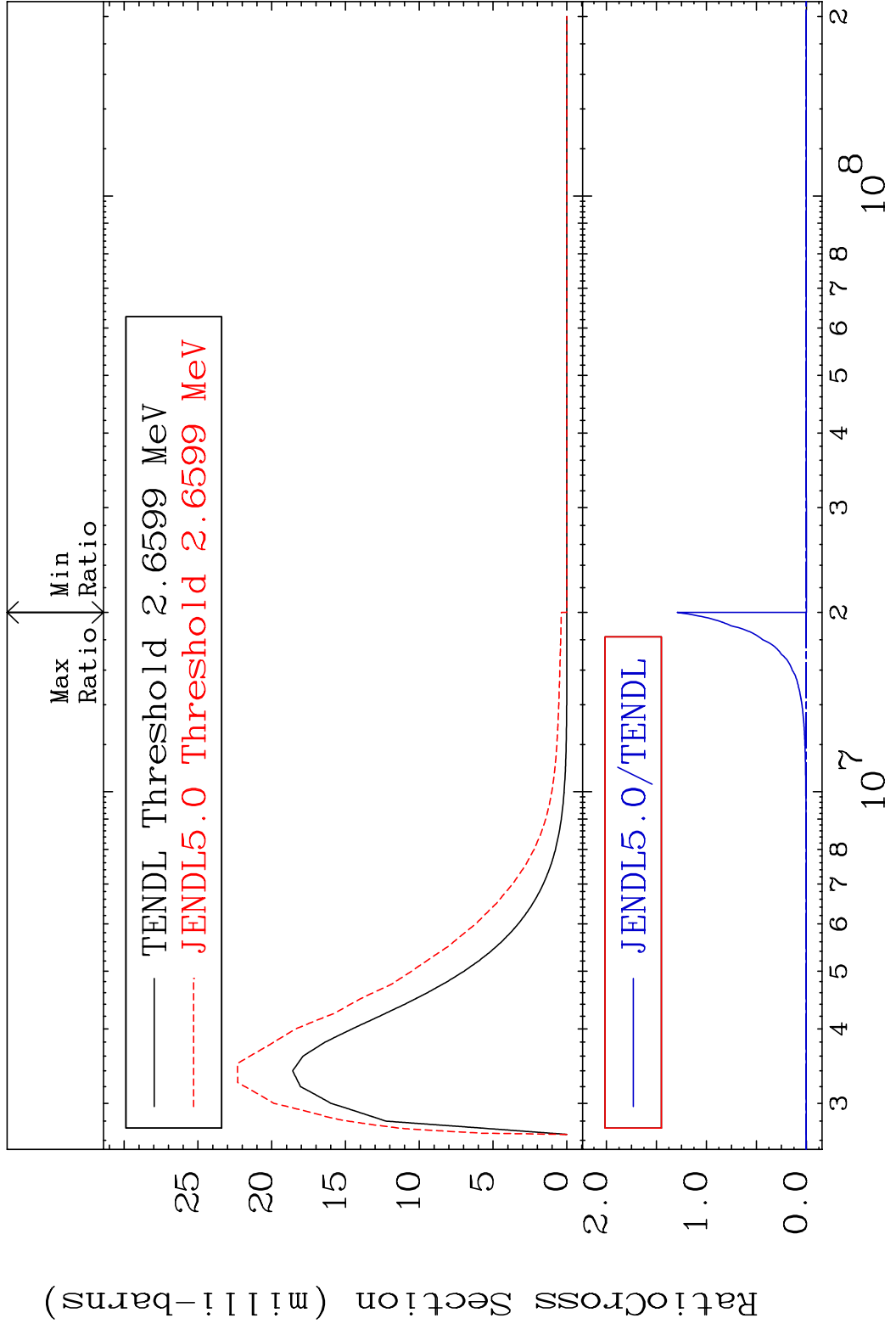
MAT 2925 MT= 71 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



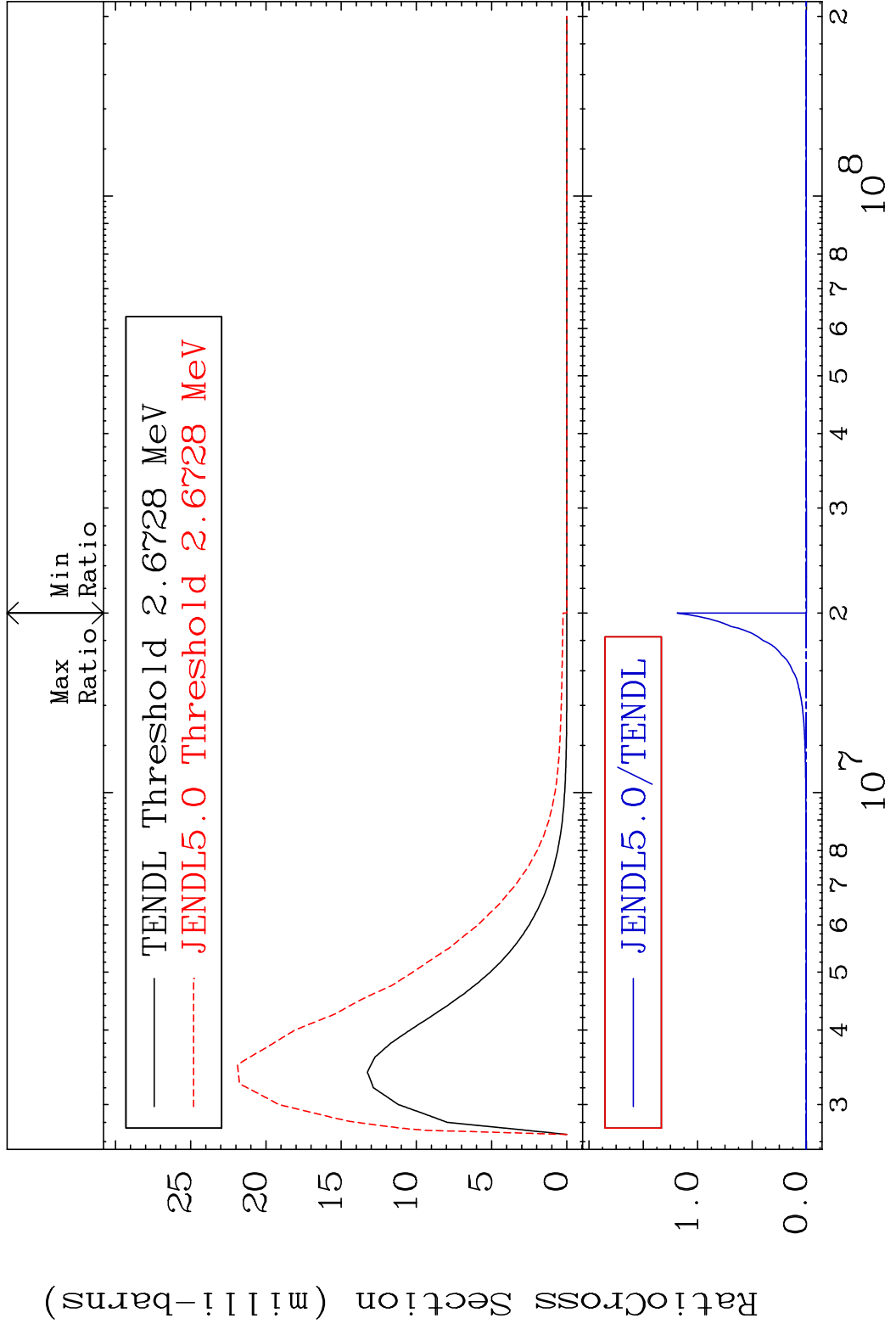
MAT 2925 MT= 72 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



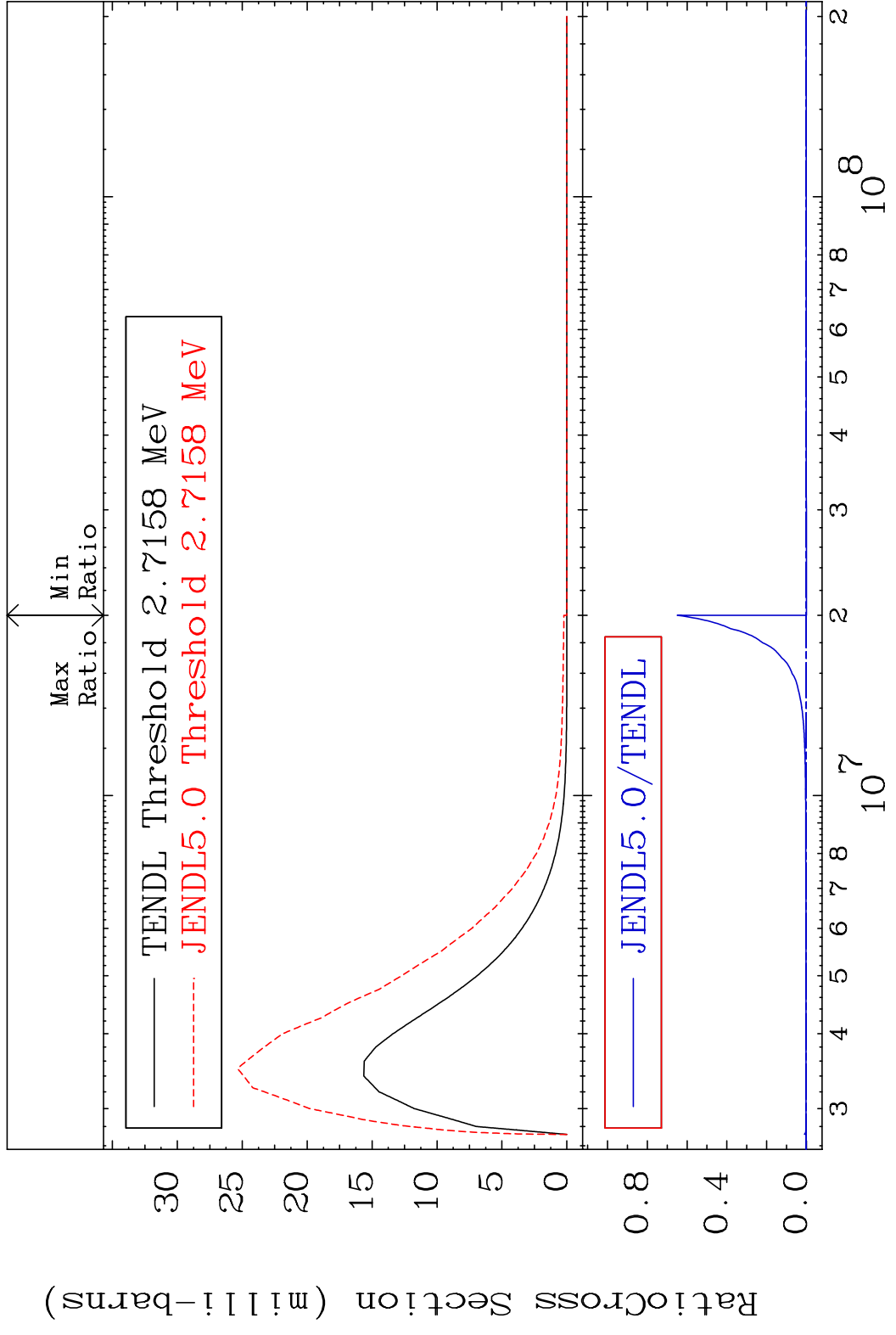
MAT 2925 MT= 73 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



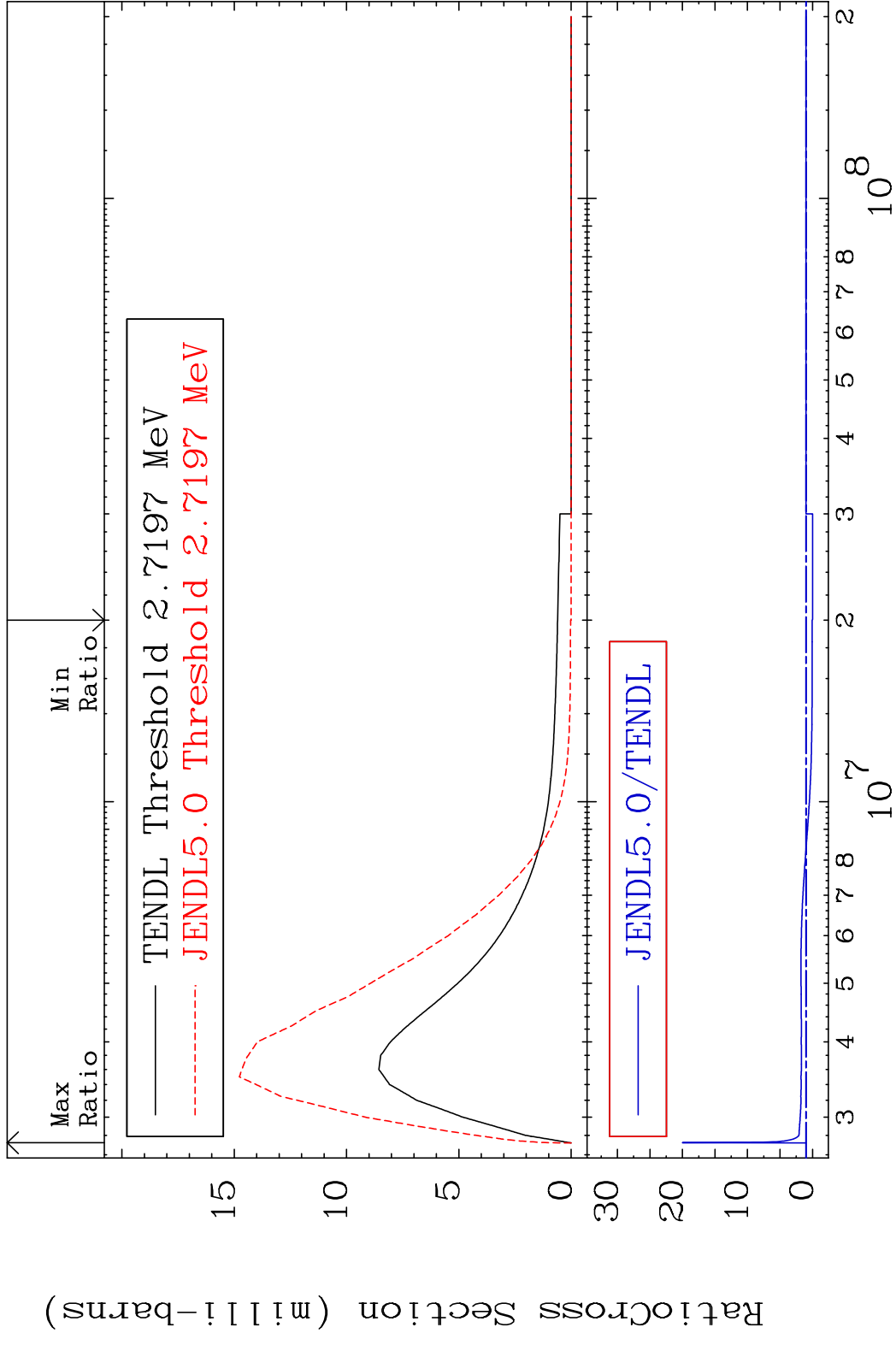
MAT 2925 MT= 74 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



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

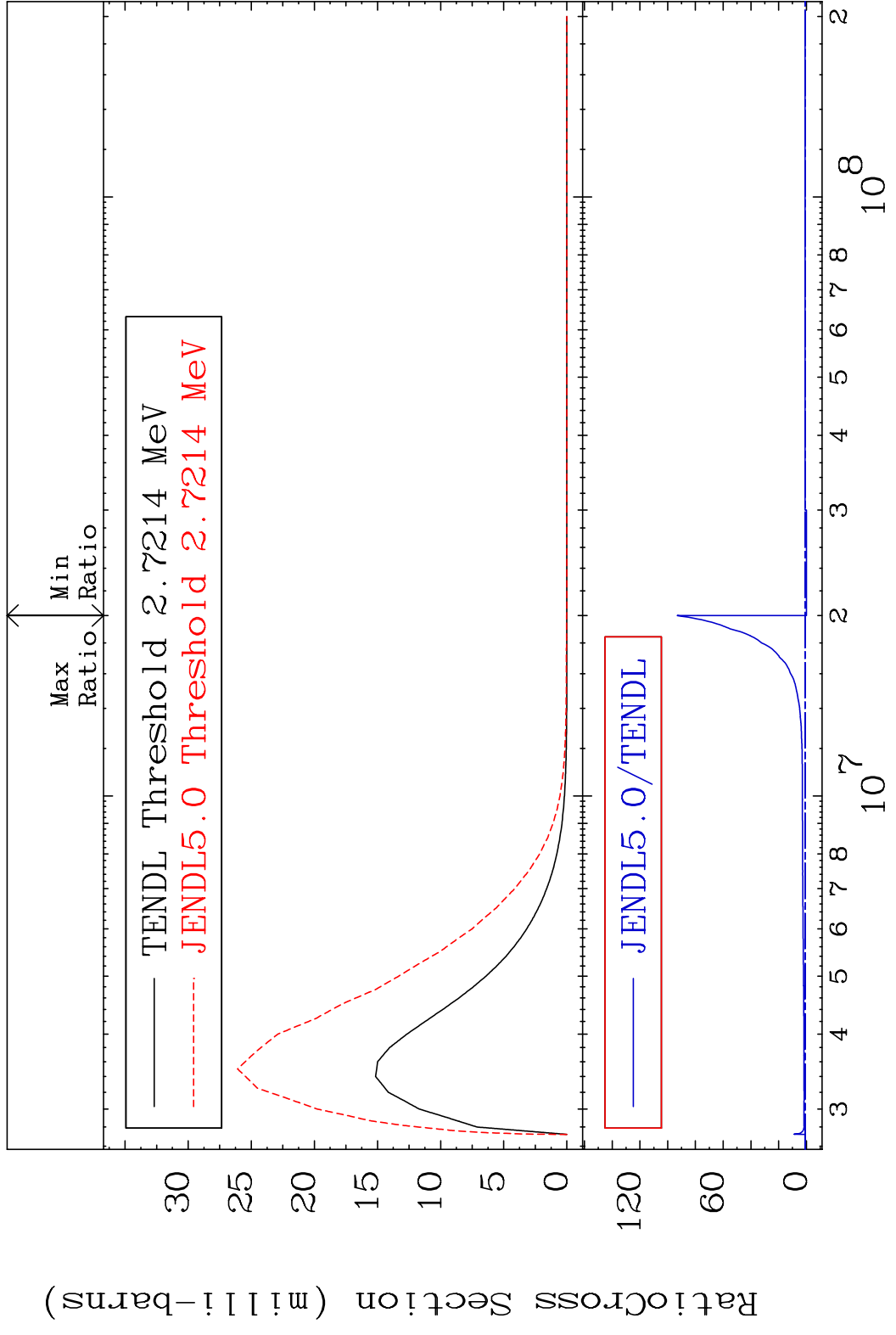


MAT 2925 MT= 76 (n,n') Level 29-Cu-63
 Cross Section -100.0 To 1901. %



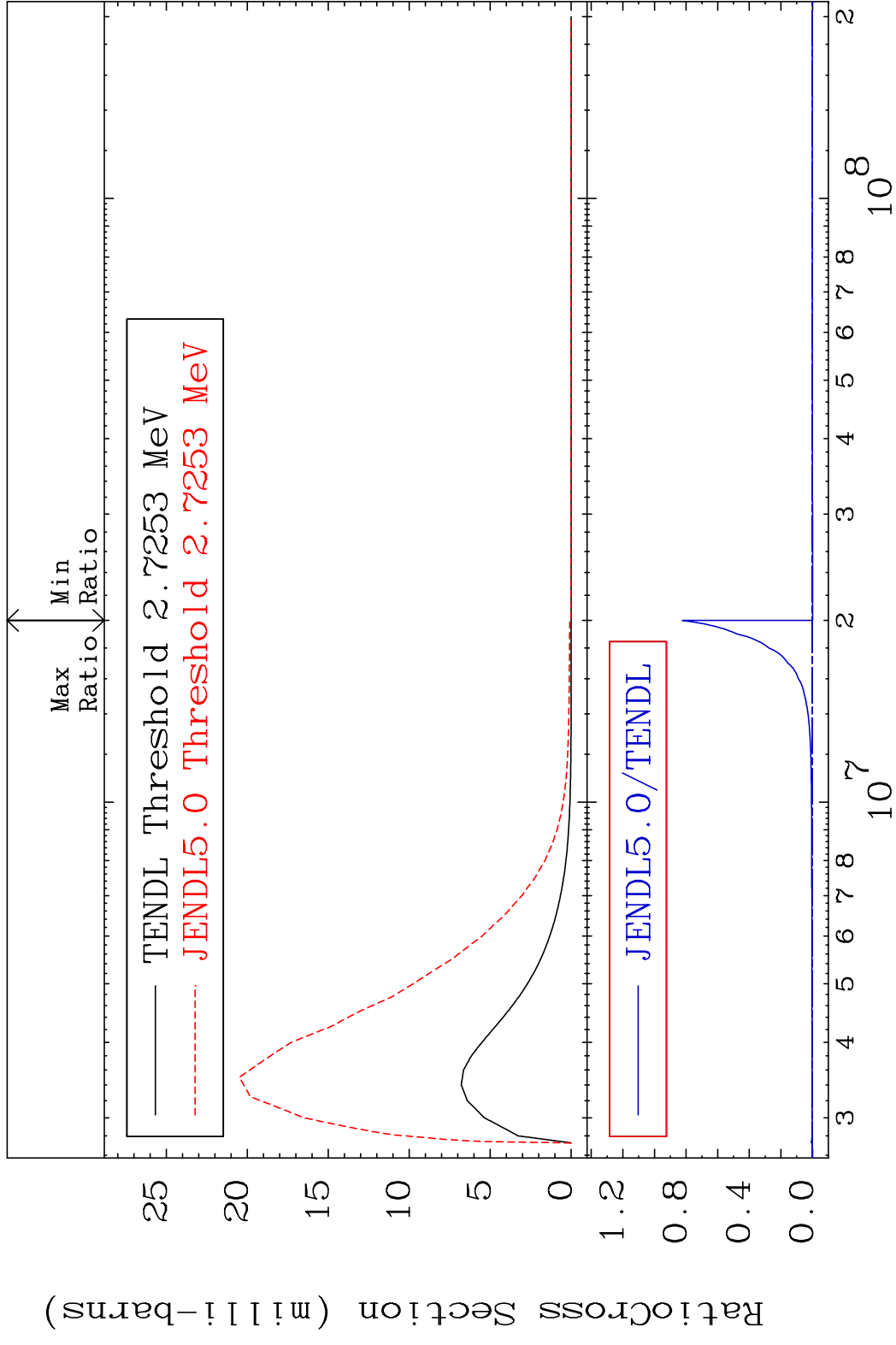
40 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 77 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9216. %

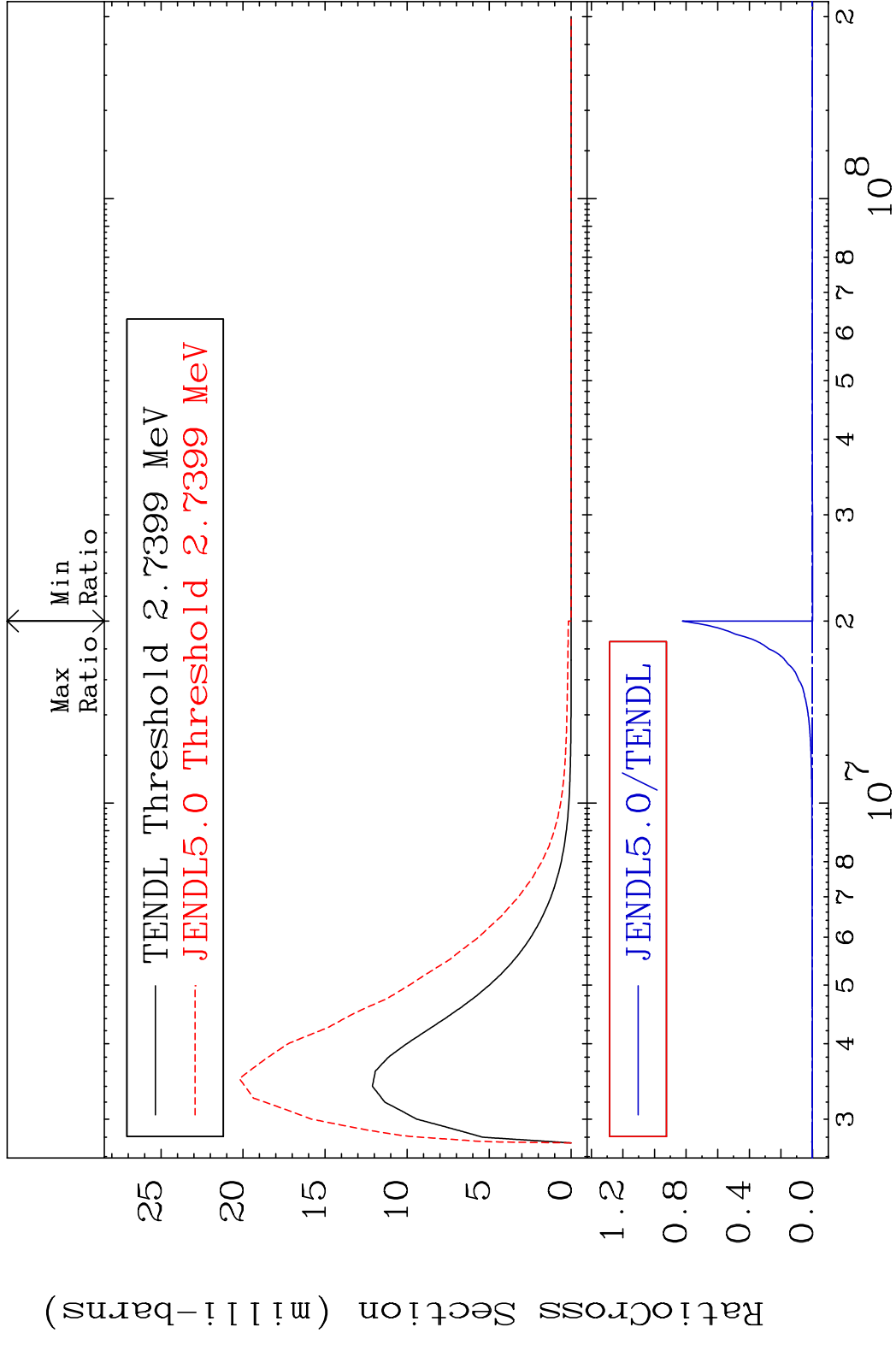


41 Incident Energy (eV) 29-Cu-63

MAT 2925 MT= 78 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %

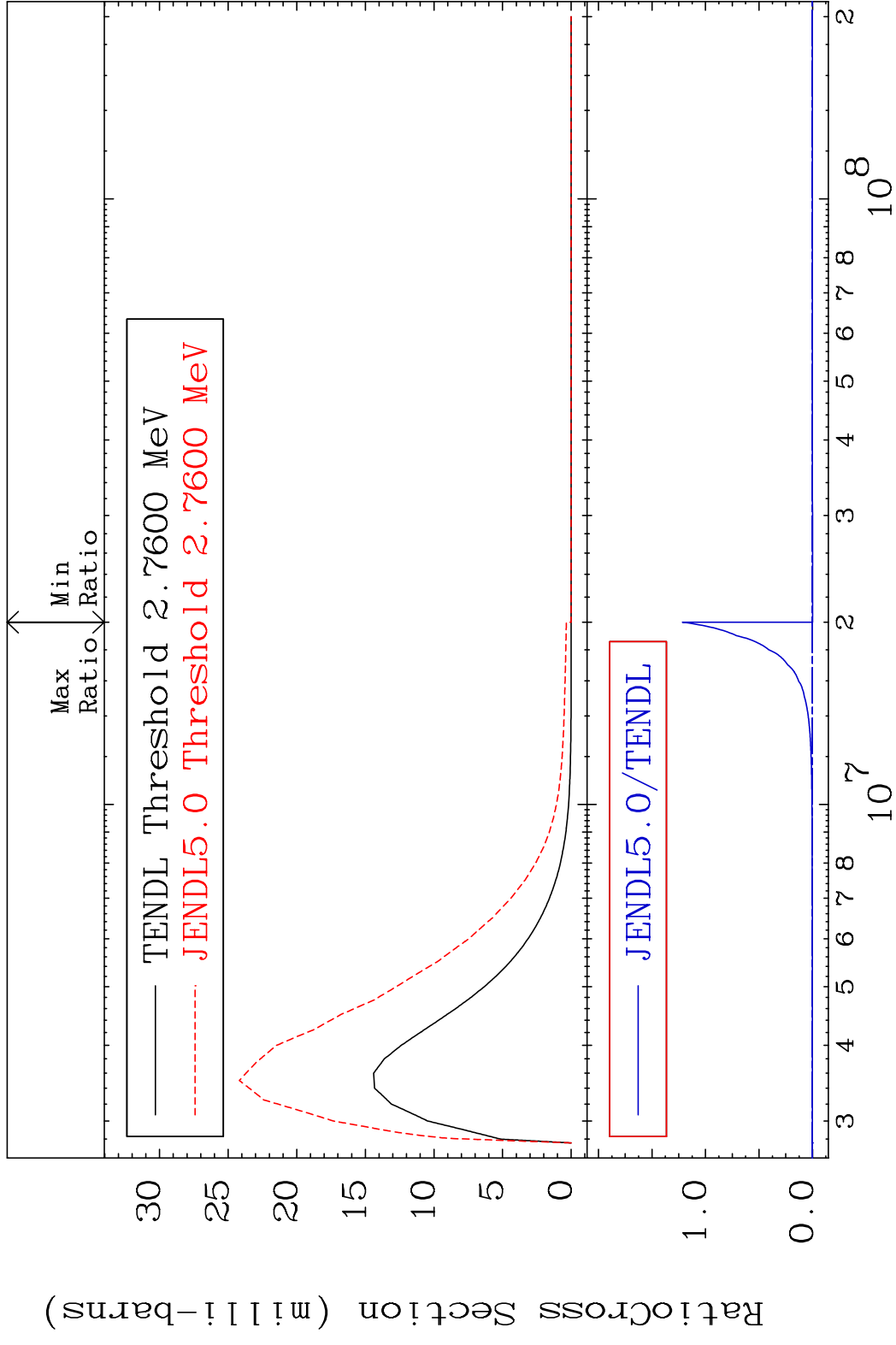


MAT 2925 MT= 79 (n, n') Level 29-Cu-63
 Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 29-Cu-63

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

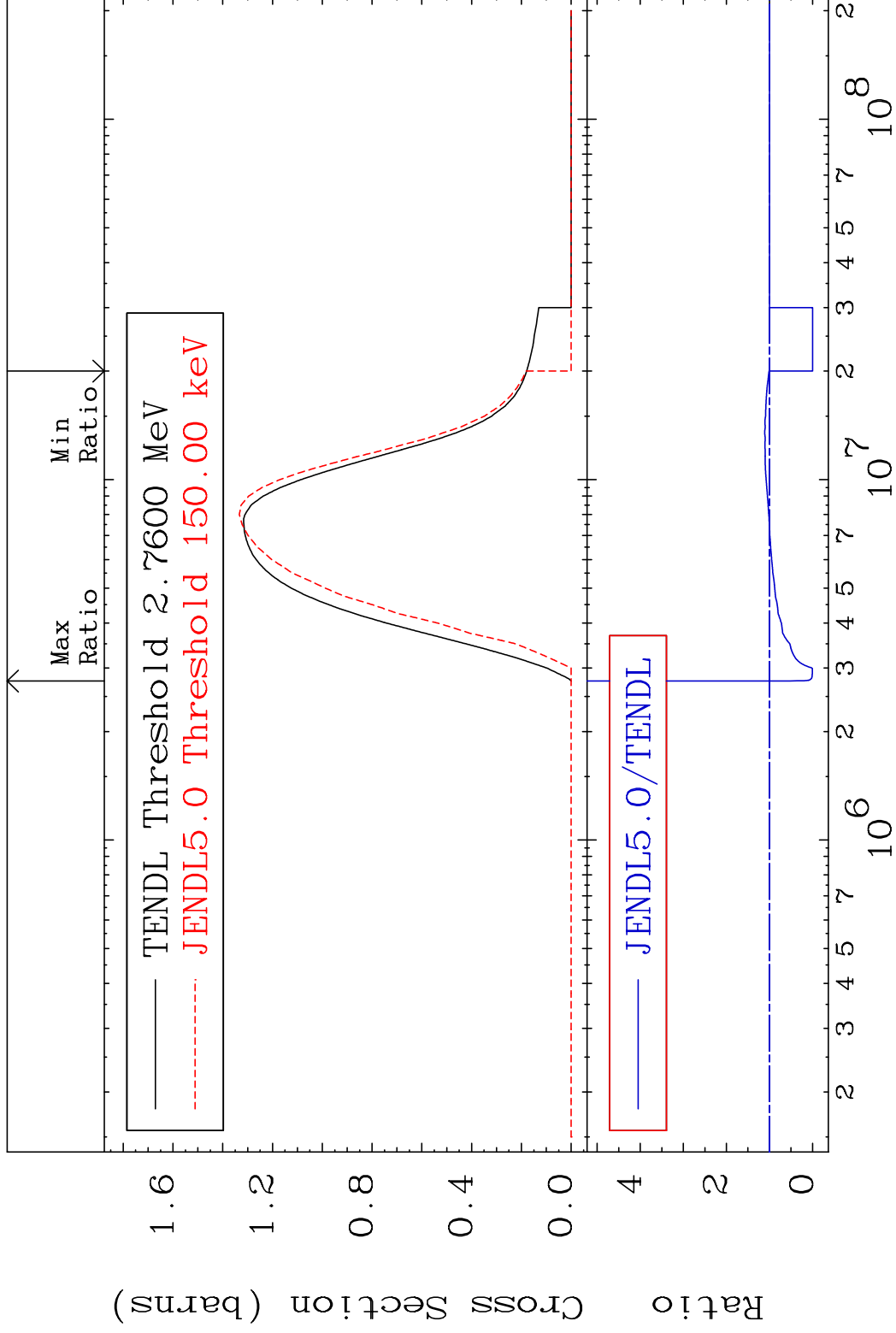


MAT 2925

(n, n') Continuum

29-Cu-63

Cross Section -100.0 To 202.2 %



45

Incident Energy (eV)

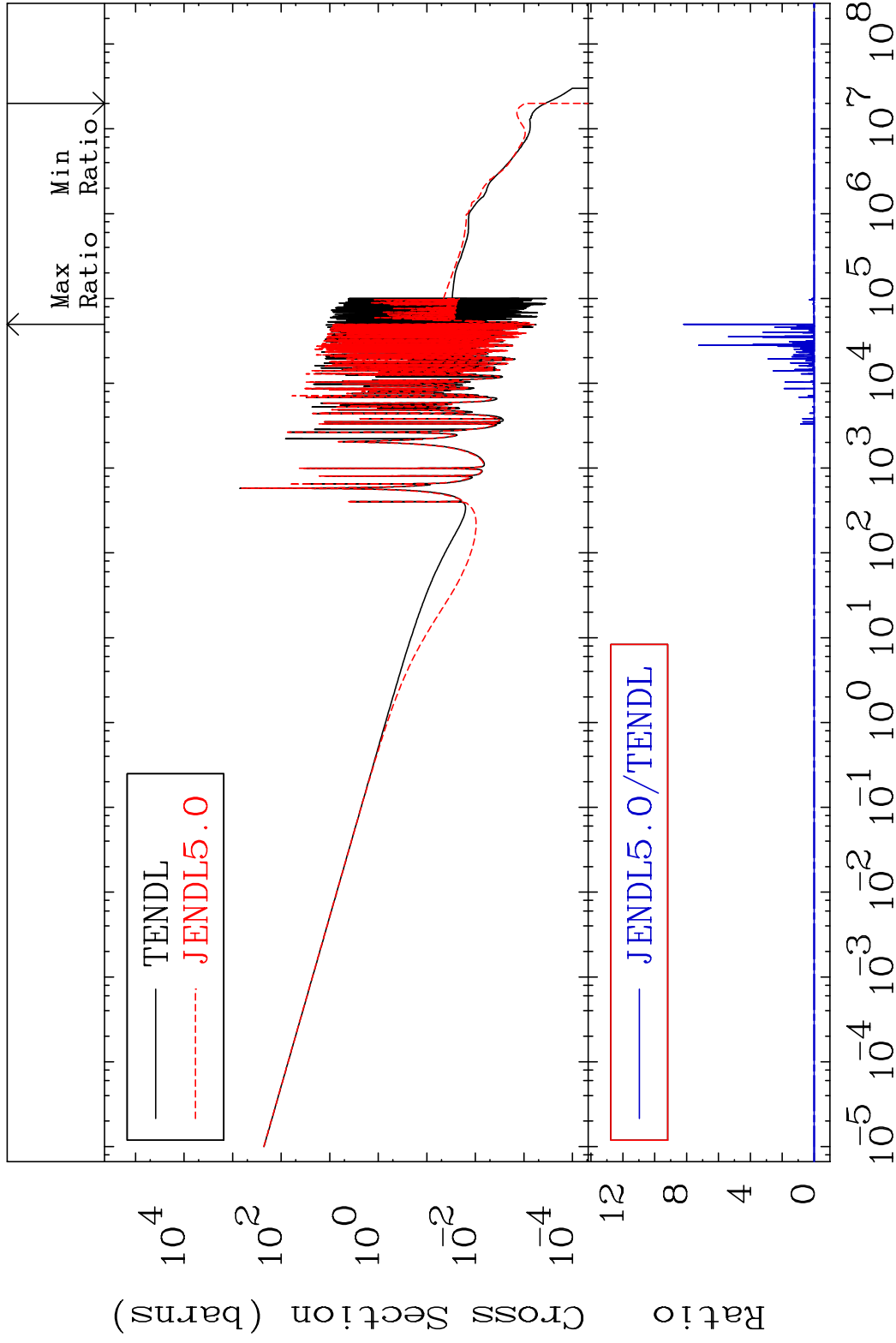
29-Cu-63

MAT 2925

(n, γ)

29-Cu-63

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

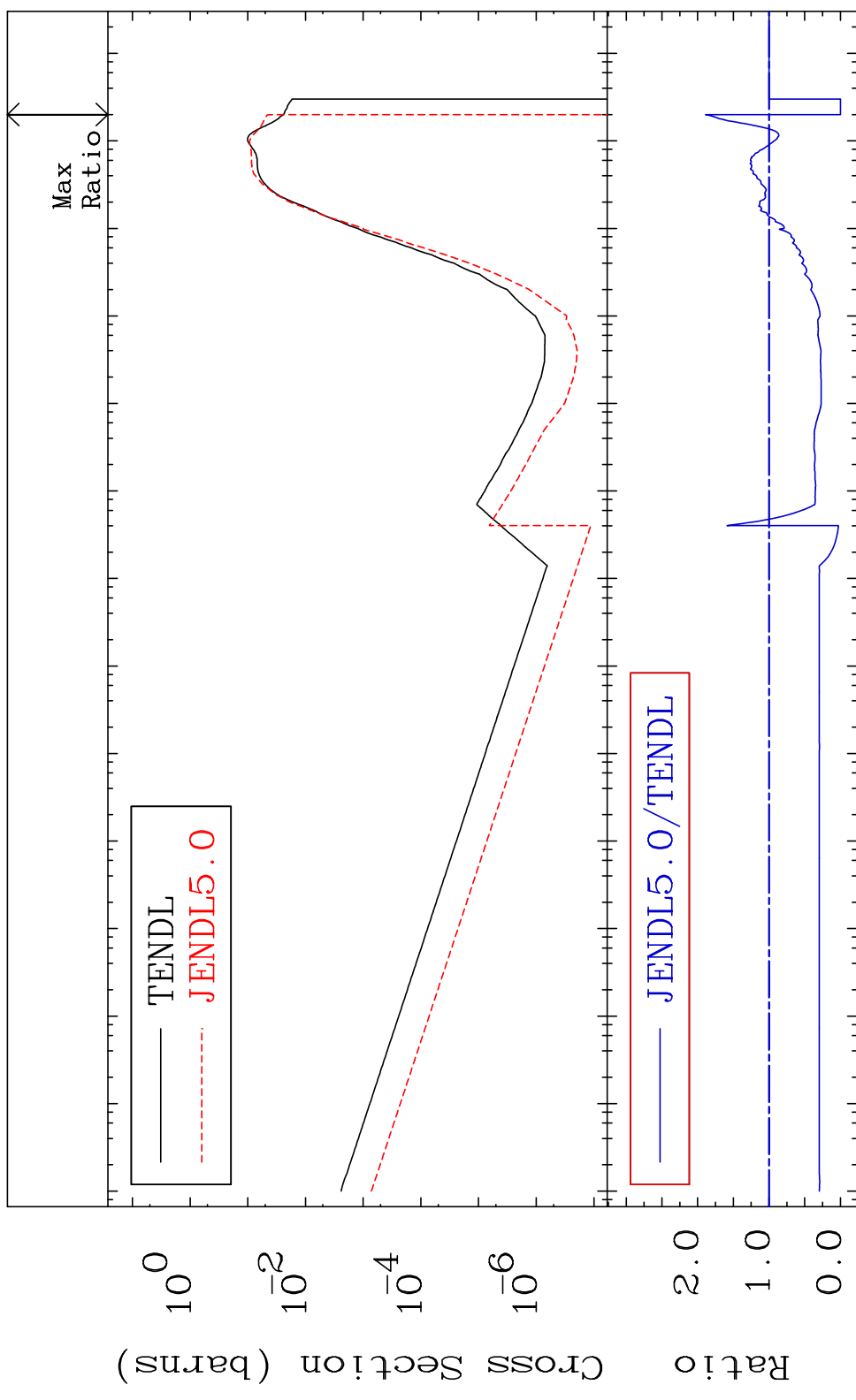
29-Cu-63

MAT 2925

(n, p)

29-Cu-63

Cross Section -100.0 To 88.62 %

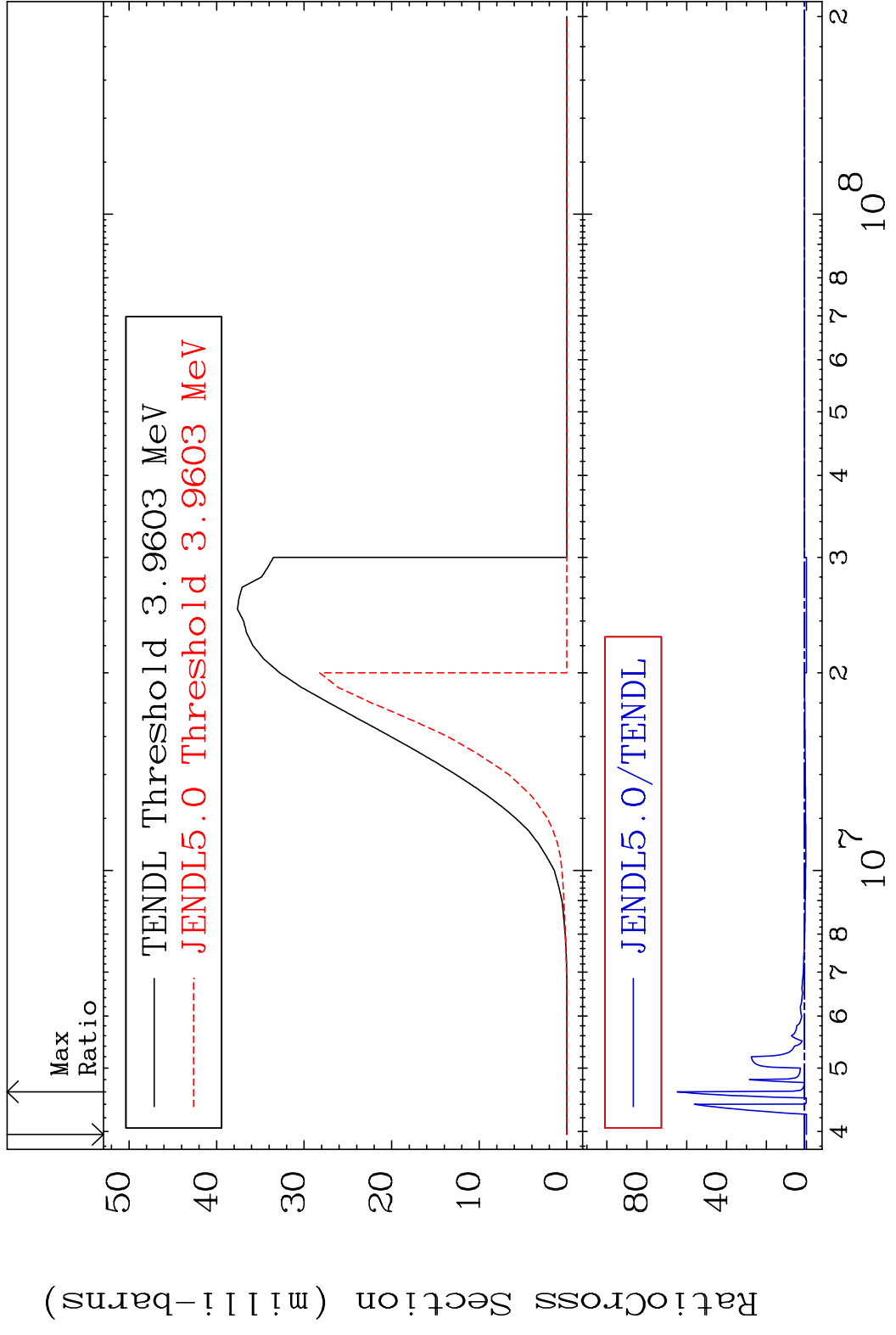


47

Incident Energy (eV)

29-Cu-63

MAT 2925 (n,d) 29-Cu-63
 Cross Section -100.0 To 6377. %

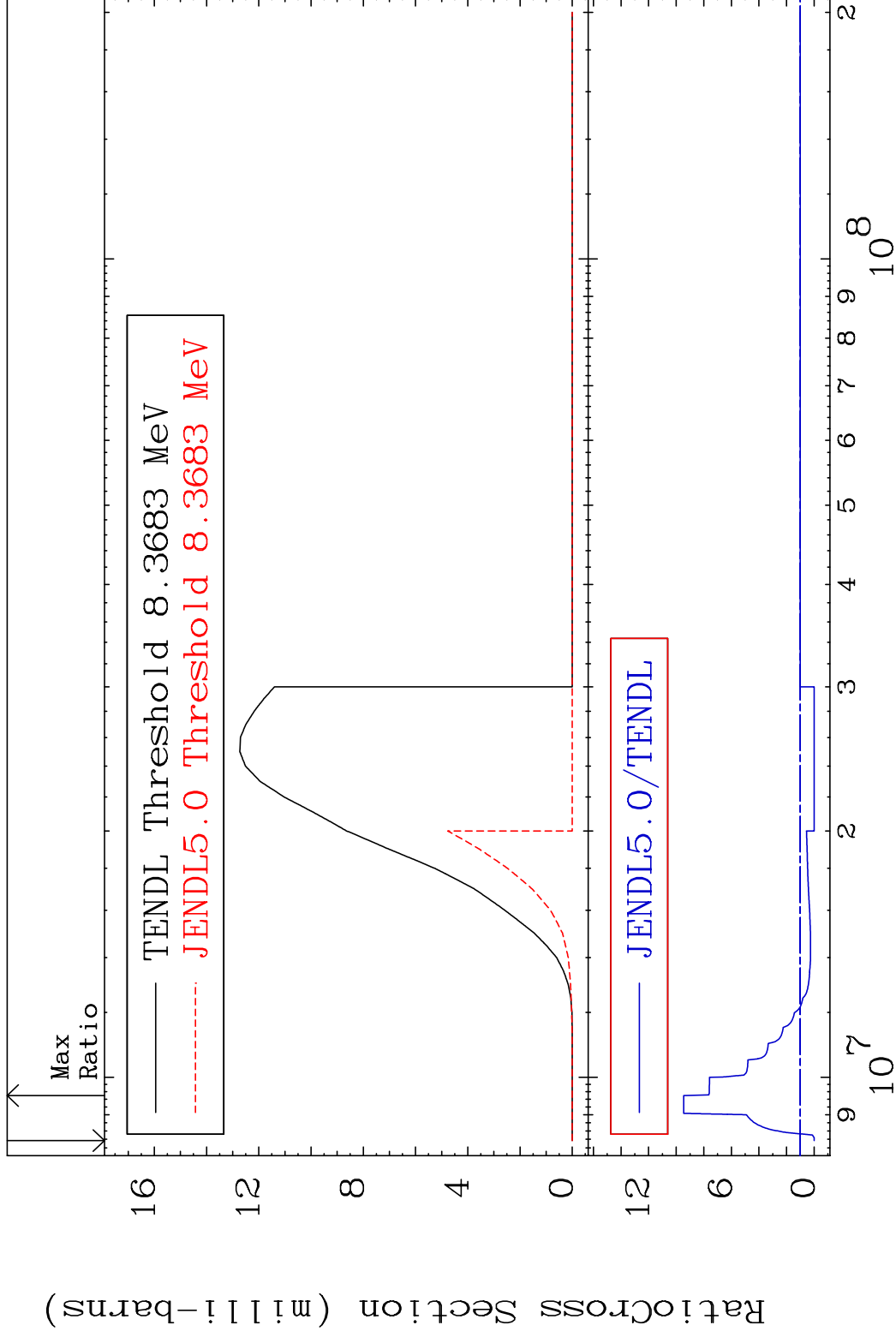


MAT 2925

(n, t)

29-Cu-63

Cross Section -100.0 To 845.9 %



49

Incident Energy (eV)

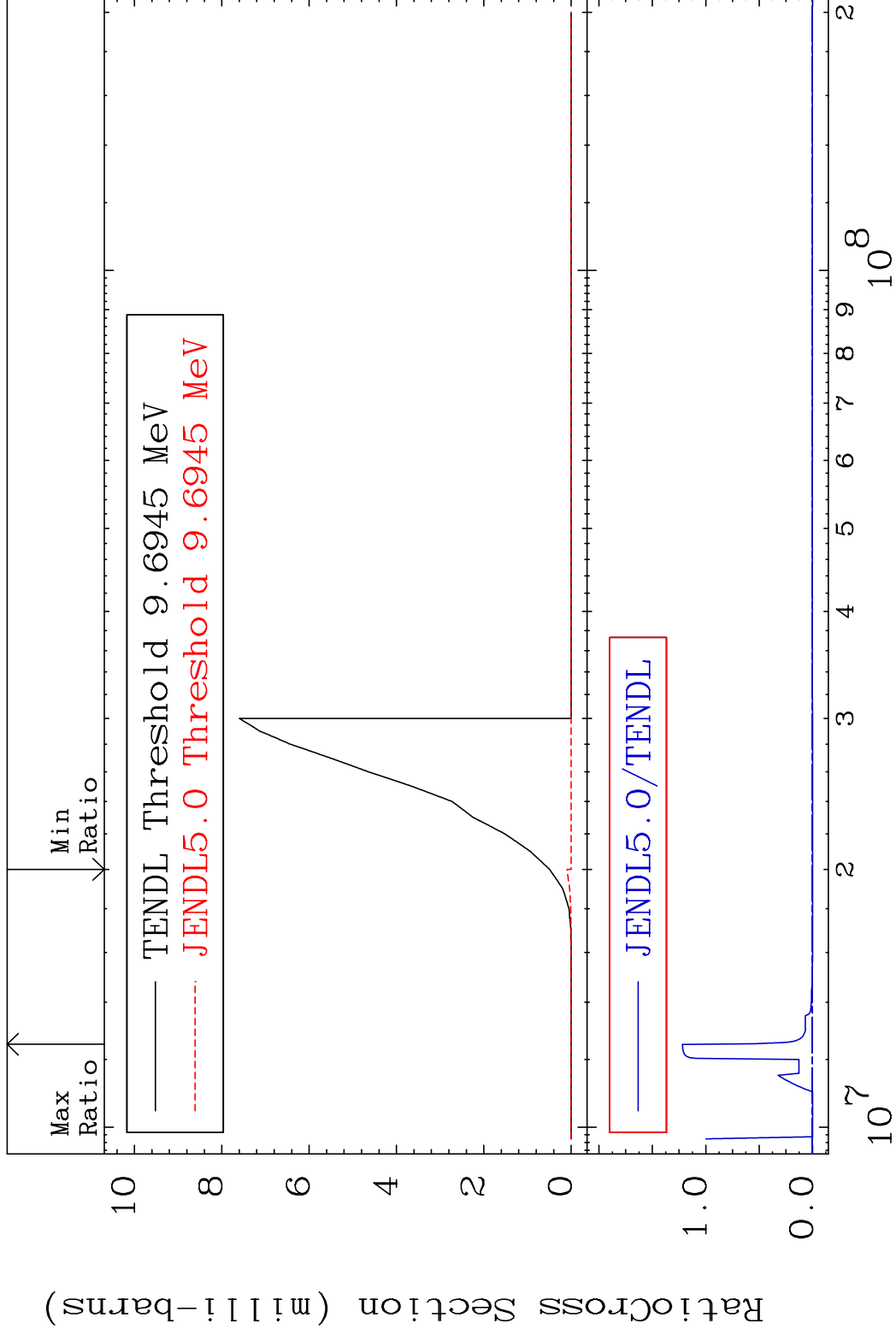
29-Cu-63

MAT 2925

(n, He-3)

29-Cu-63

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

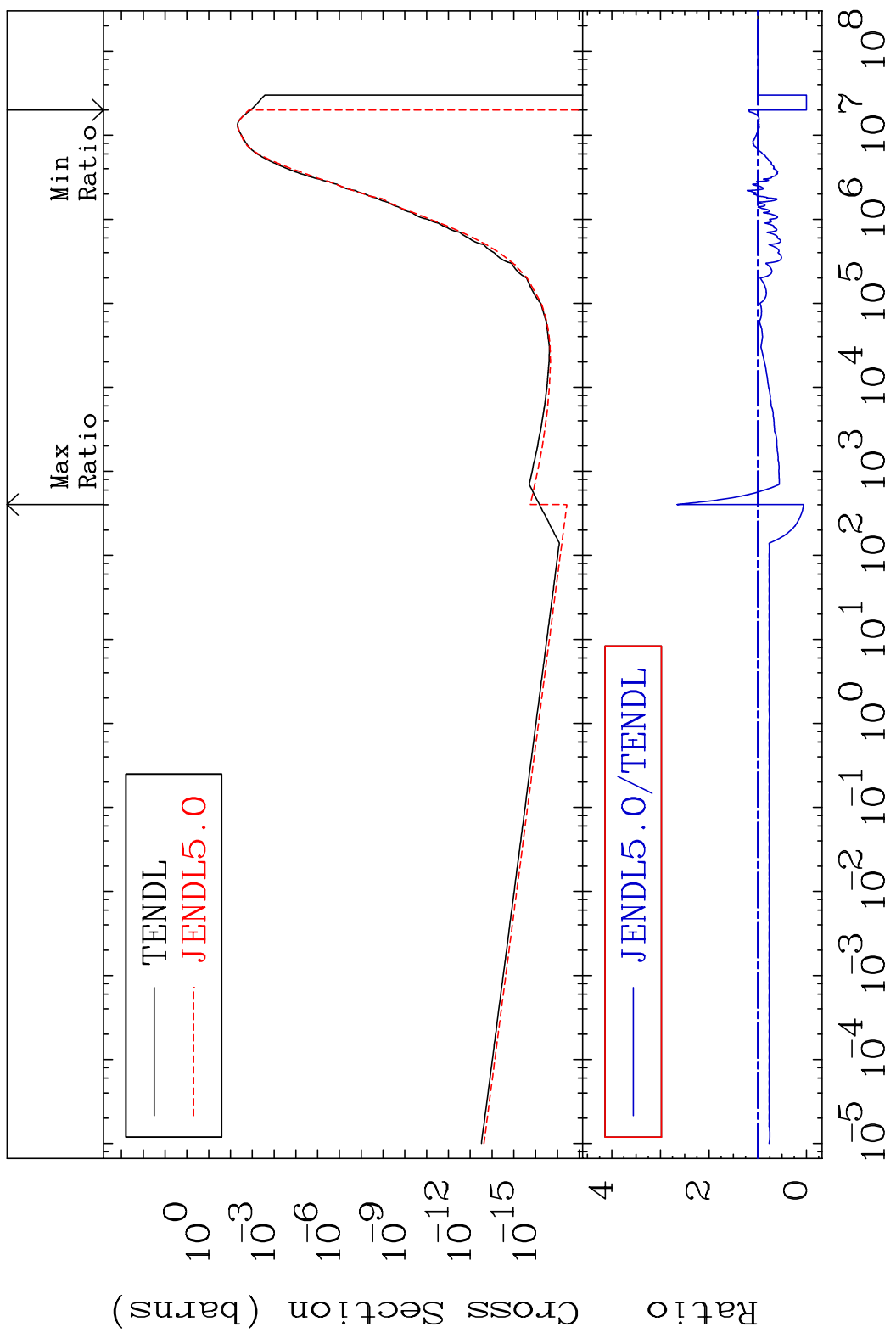
29-Cu-63

MAT 2925

(n, α)

29-Cu-63

Cross Section -100.0 To 165.5 %



51

Incident Energy (eV)

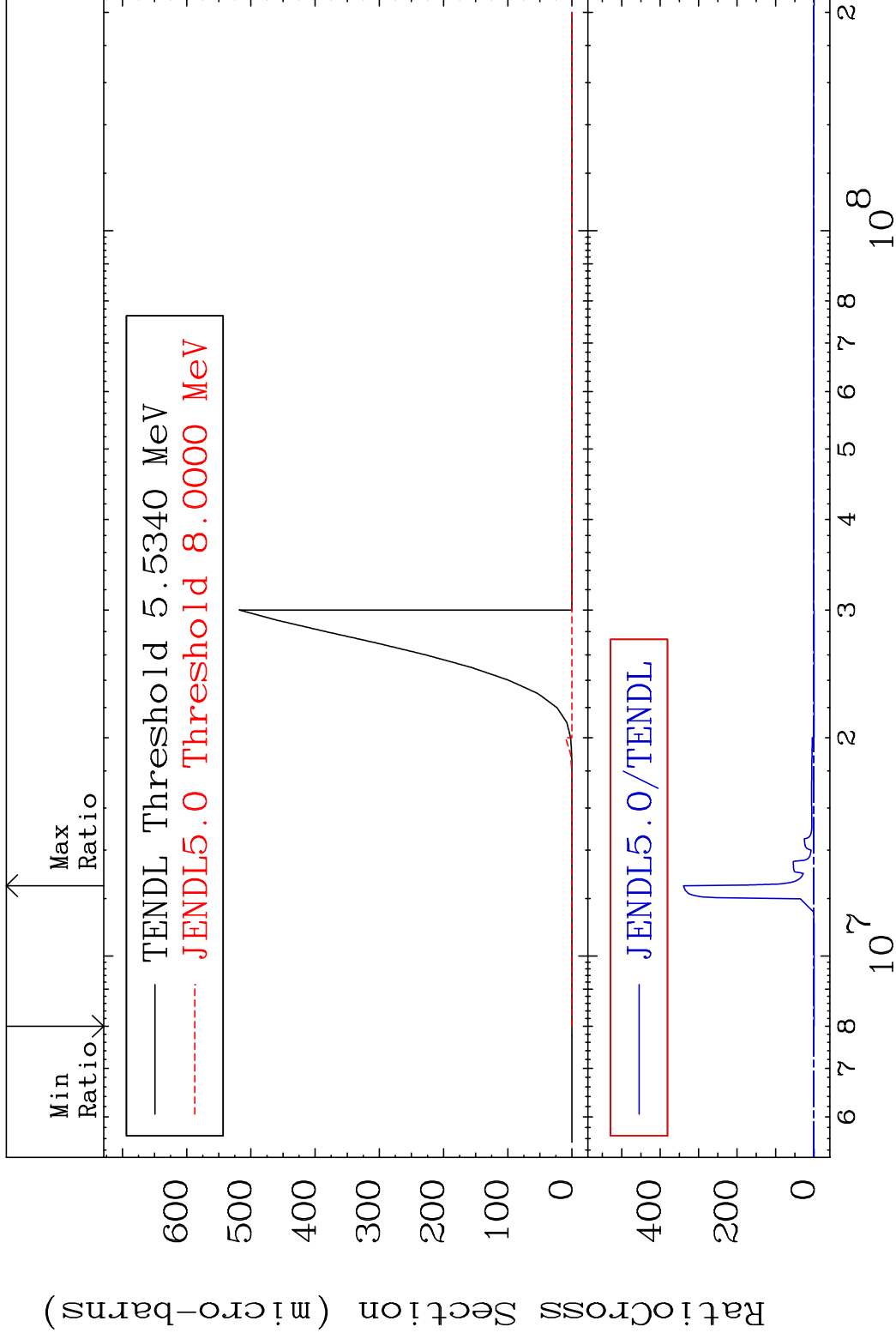
29-Cu-63

MAT 2925

(n,2α)

29-Cu-63

Cross Section -100.0 To 9999. %

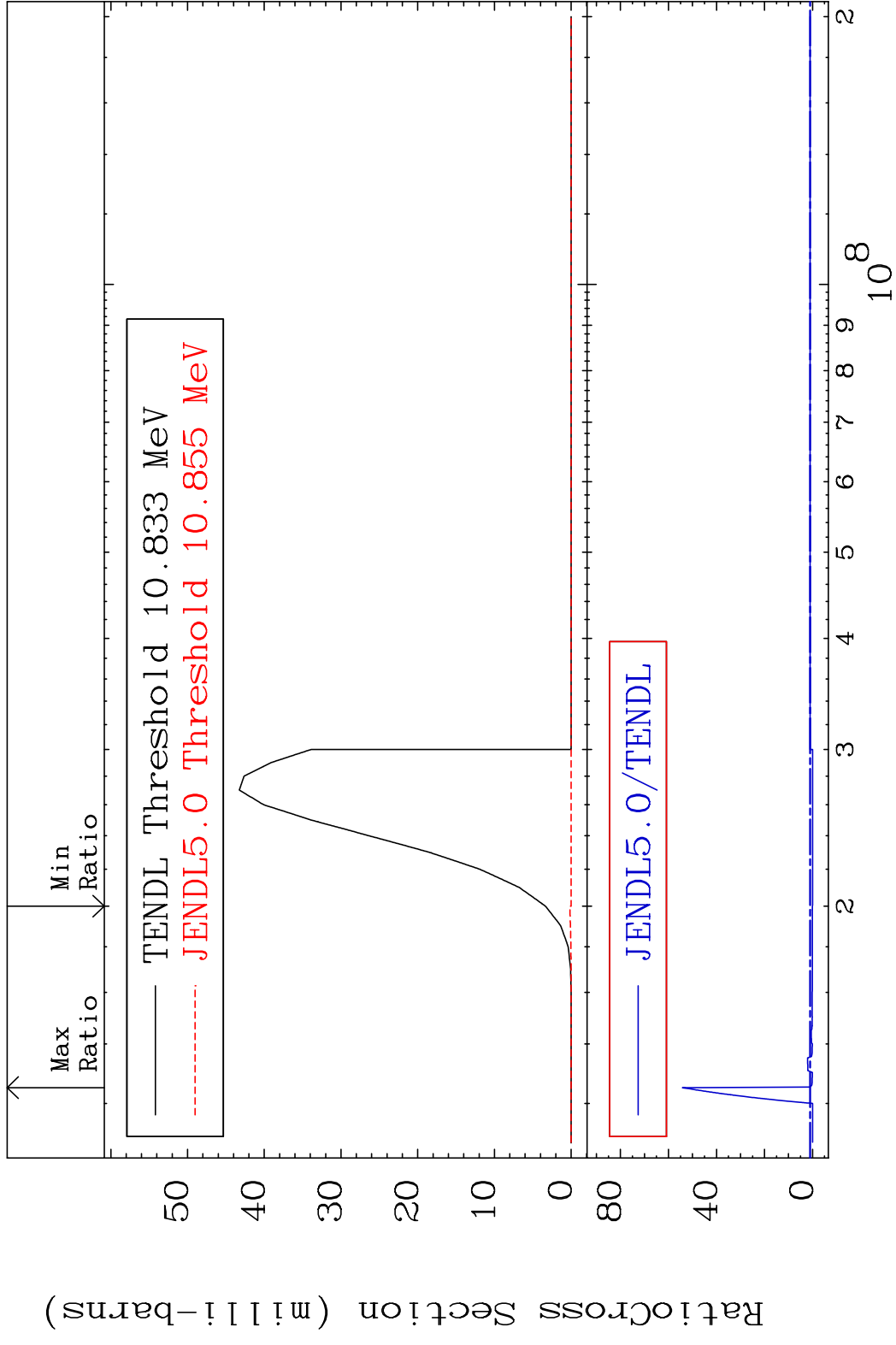


52

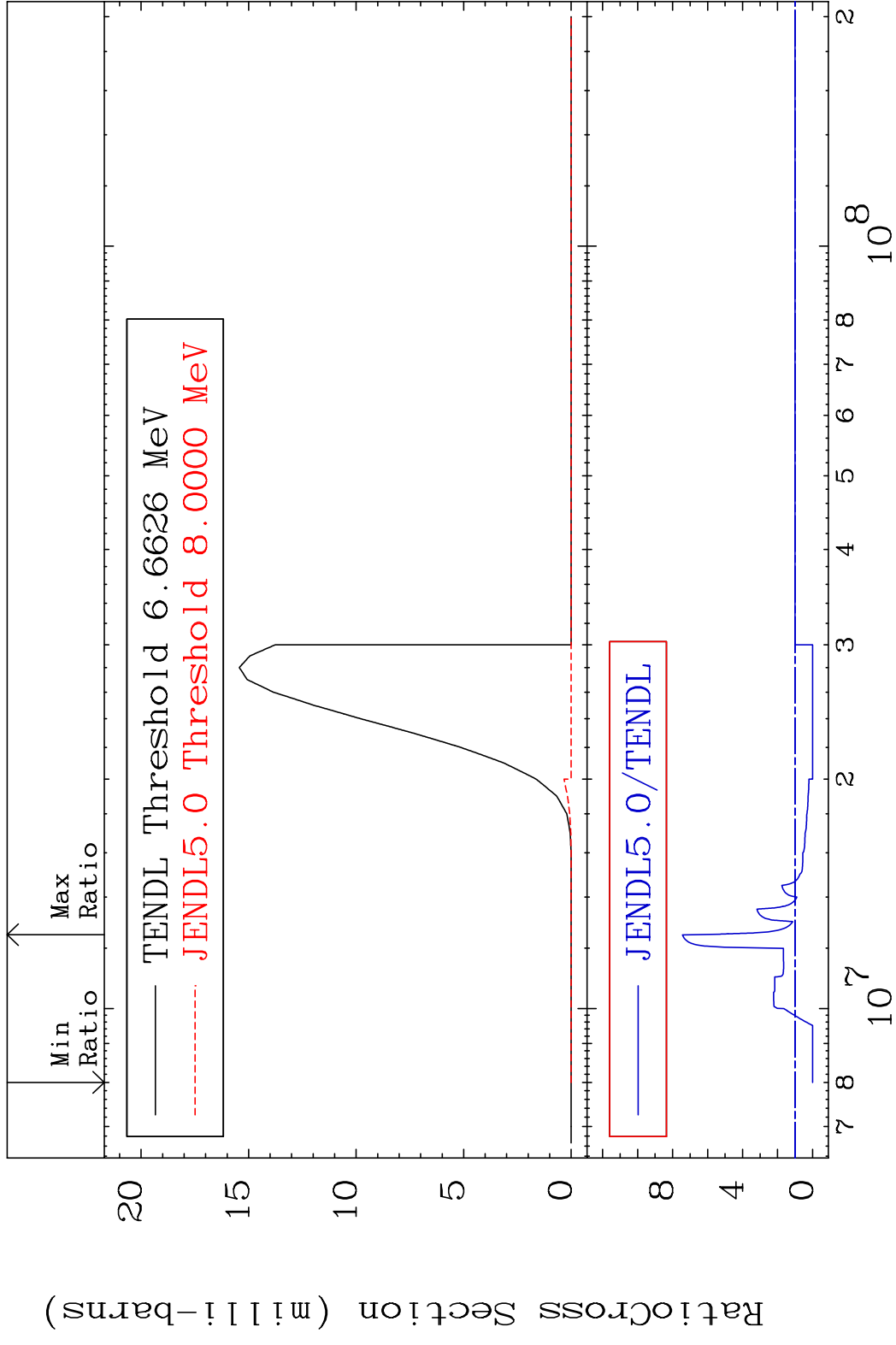
Incident Energy (eV)

29-Cu-63

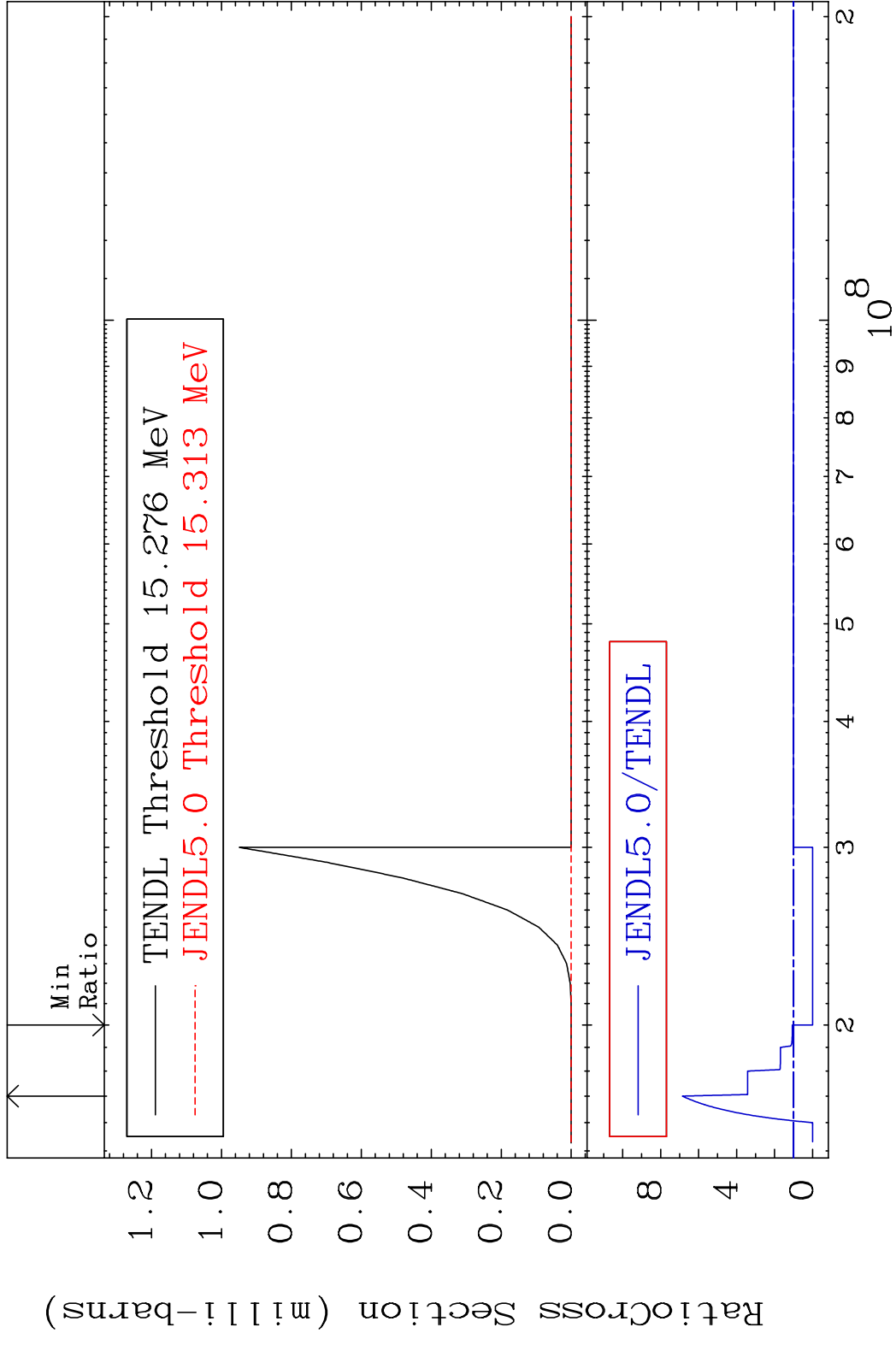
MAT 2925 (n,2p) 29-Cu-63
 Cross Section -100.0 To 5321. %



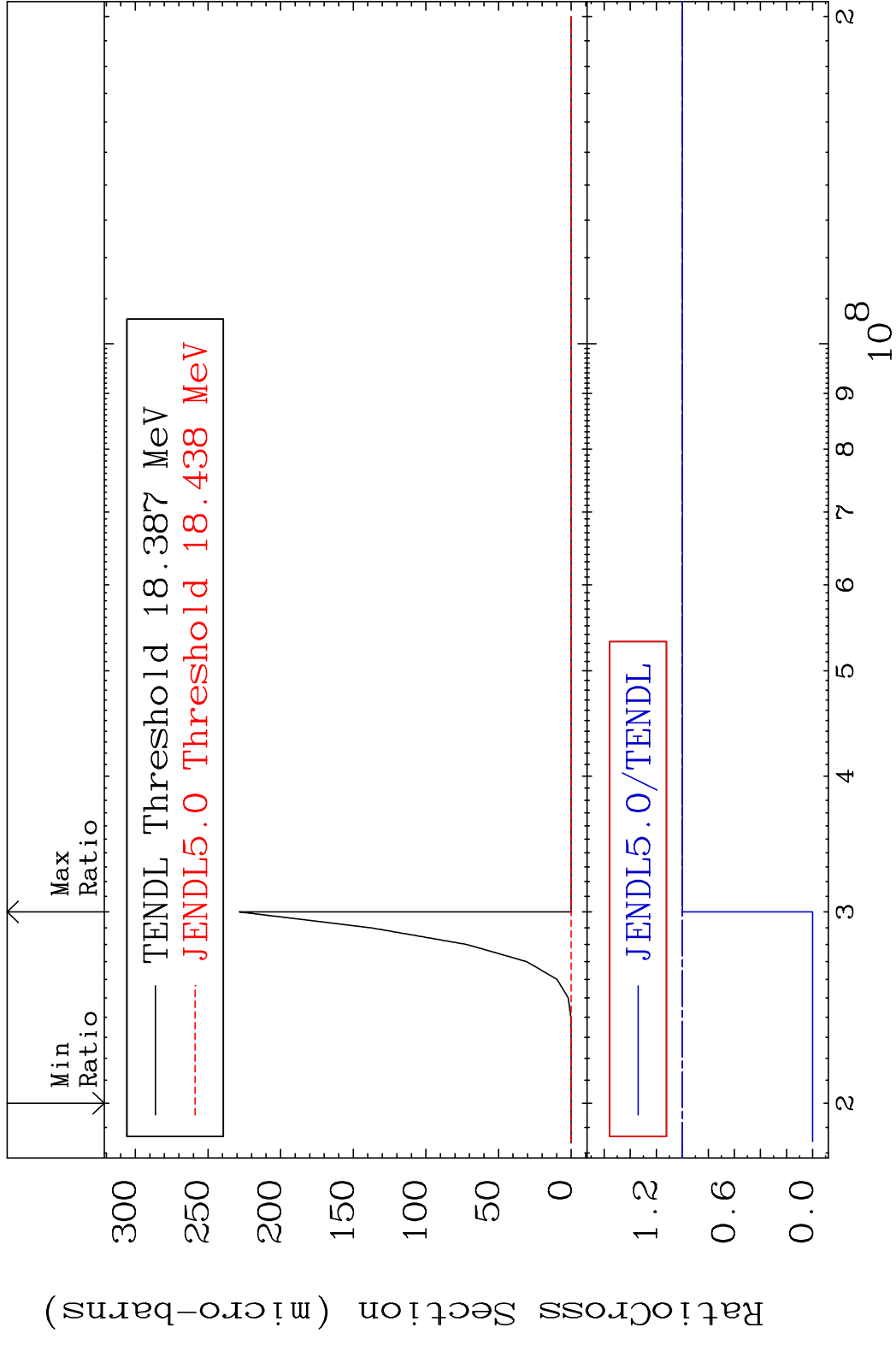
MAT 2925 (n,p) α 29-Cu-63
 Cross Section -100.0 To 644.2 %

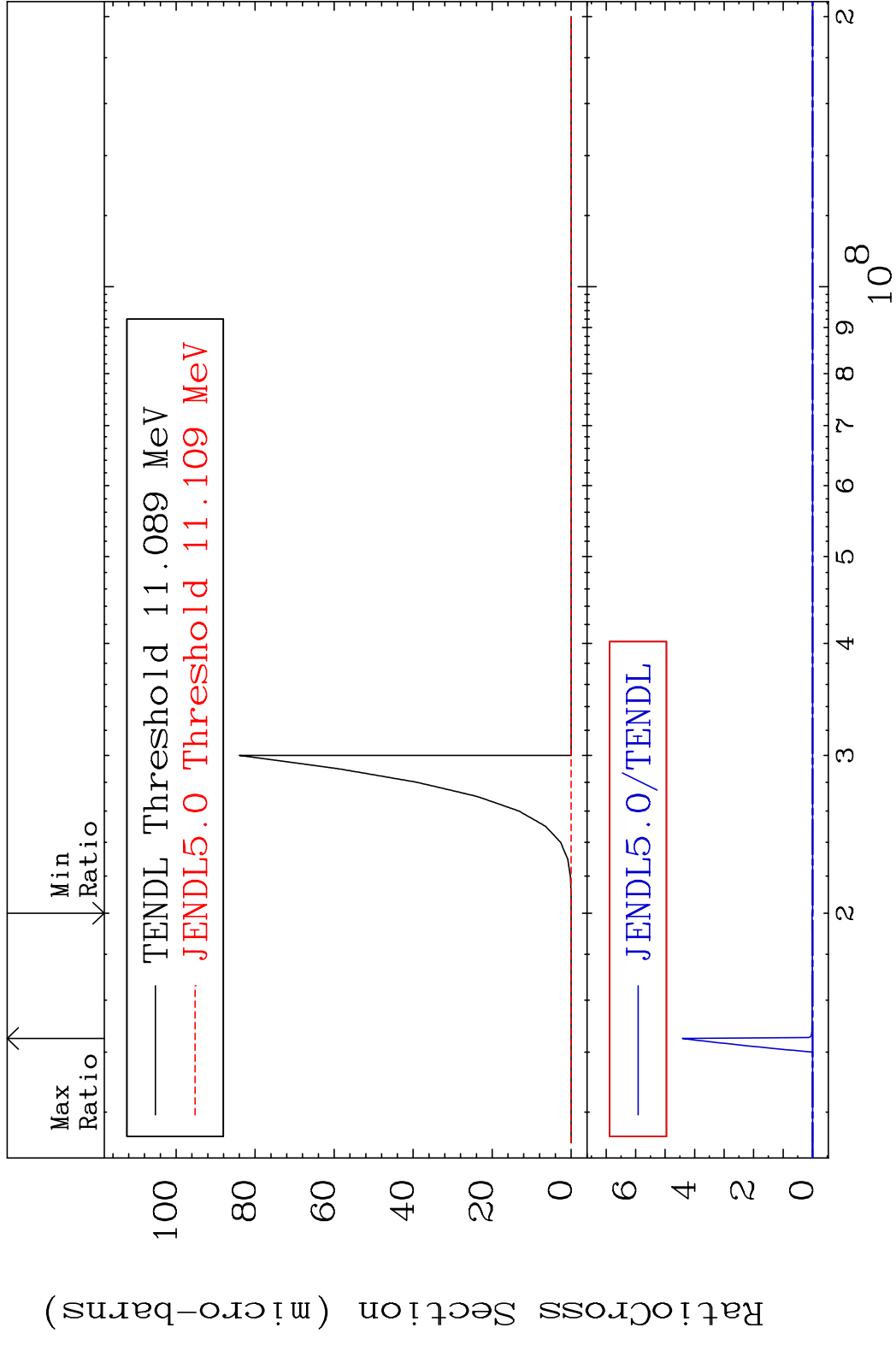


MAT 2925 (n,p) d 29-Cu-63
 Cross Section -100.0 To 585.5 %

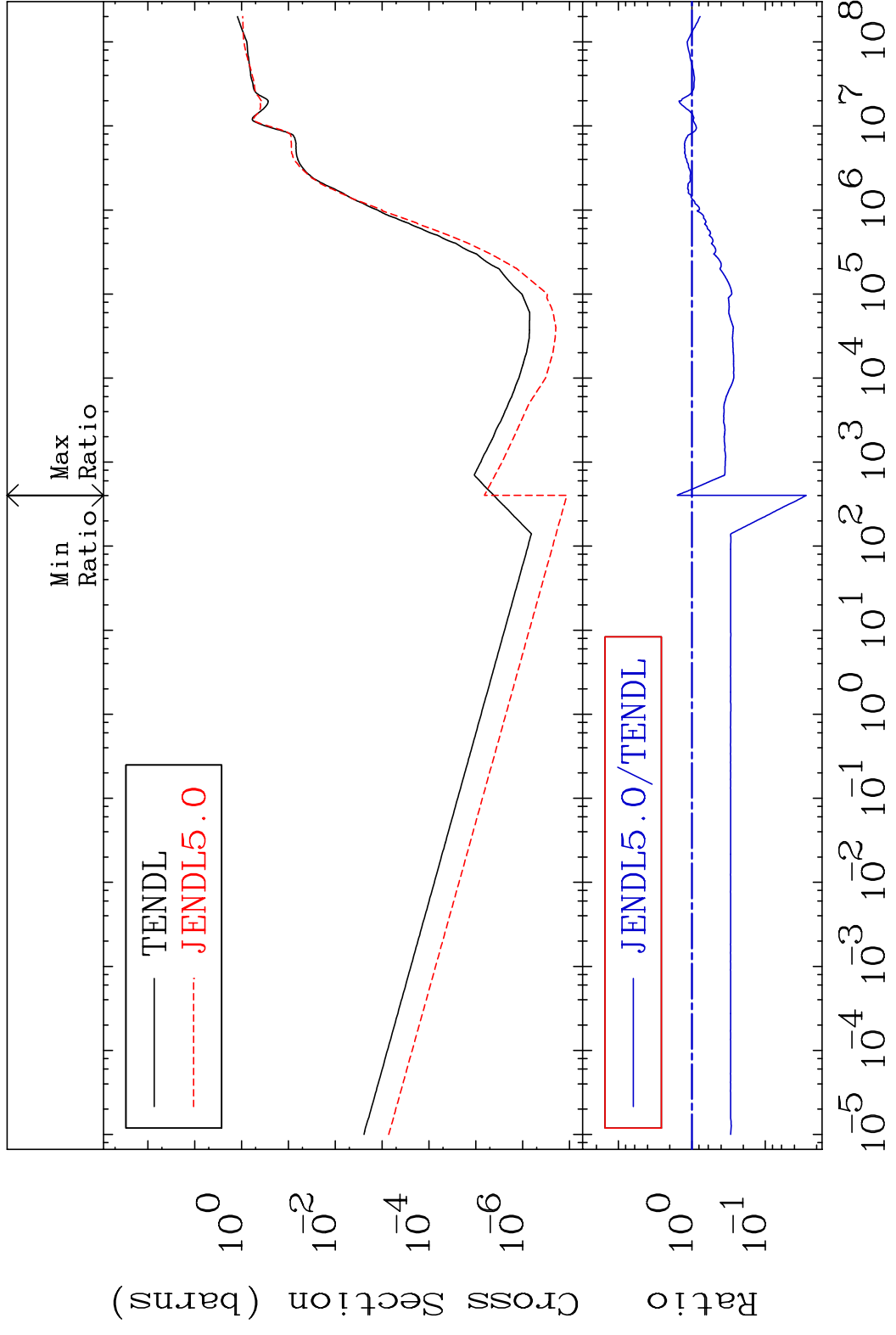


MAT 2925 (n,p) t 29-Cu-63
 Cross Section -100.0 To 0.000 %





MAT 2925 Hydrogen Production 29-Cu-63
 Cross Section -97.24 To 58.51 %

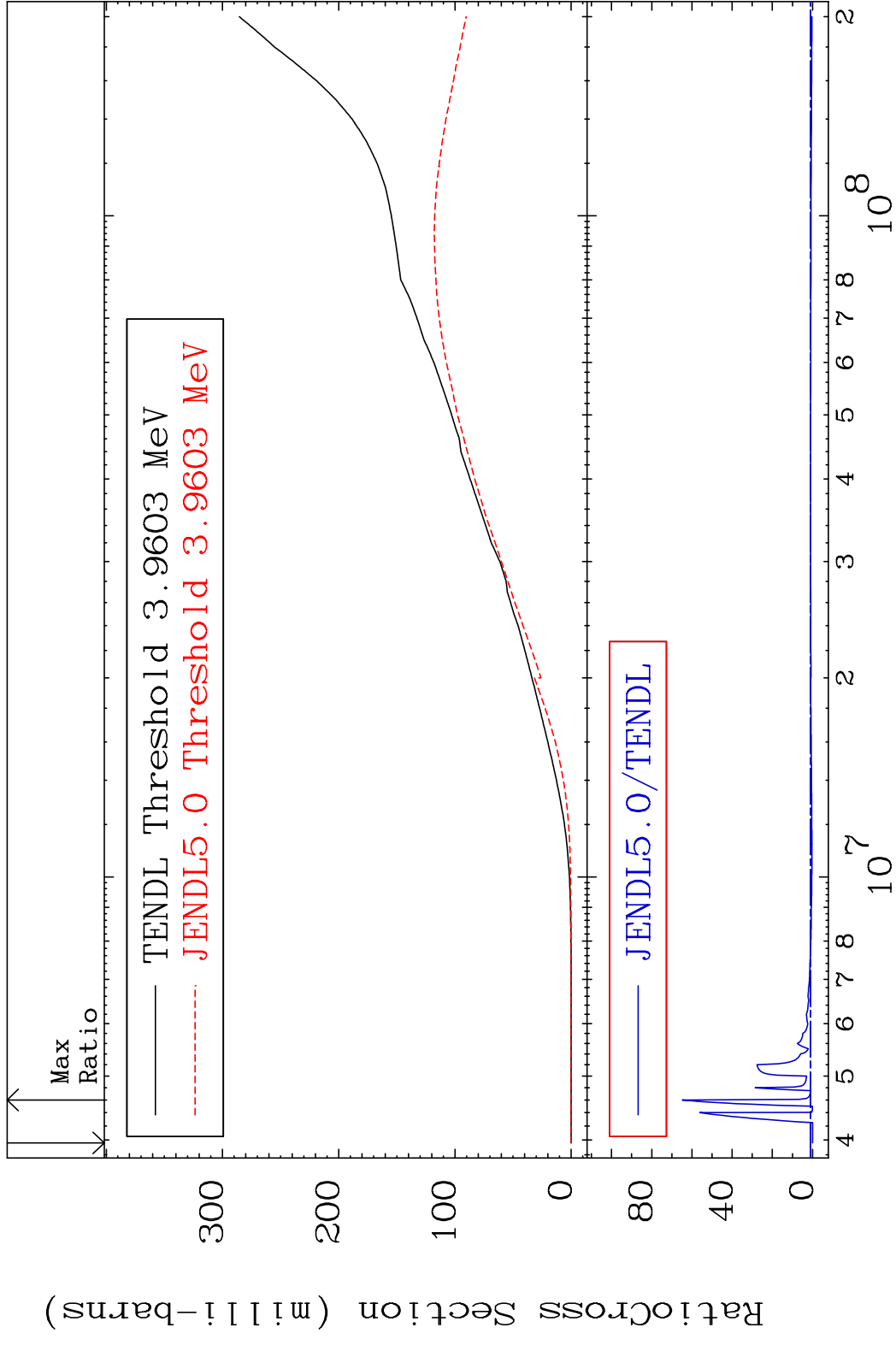


MAT 2925

Deuterium Production

²⁹Cu-63

Cross Section -100.0 To 6377. %

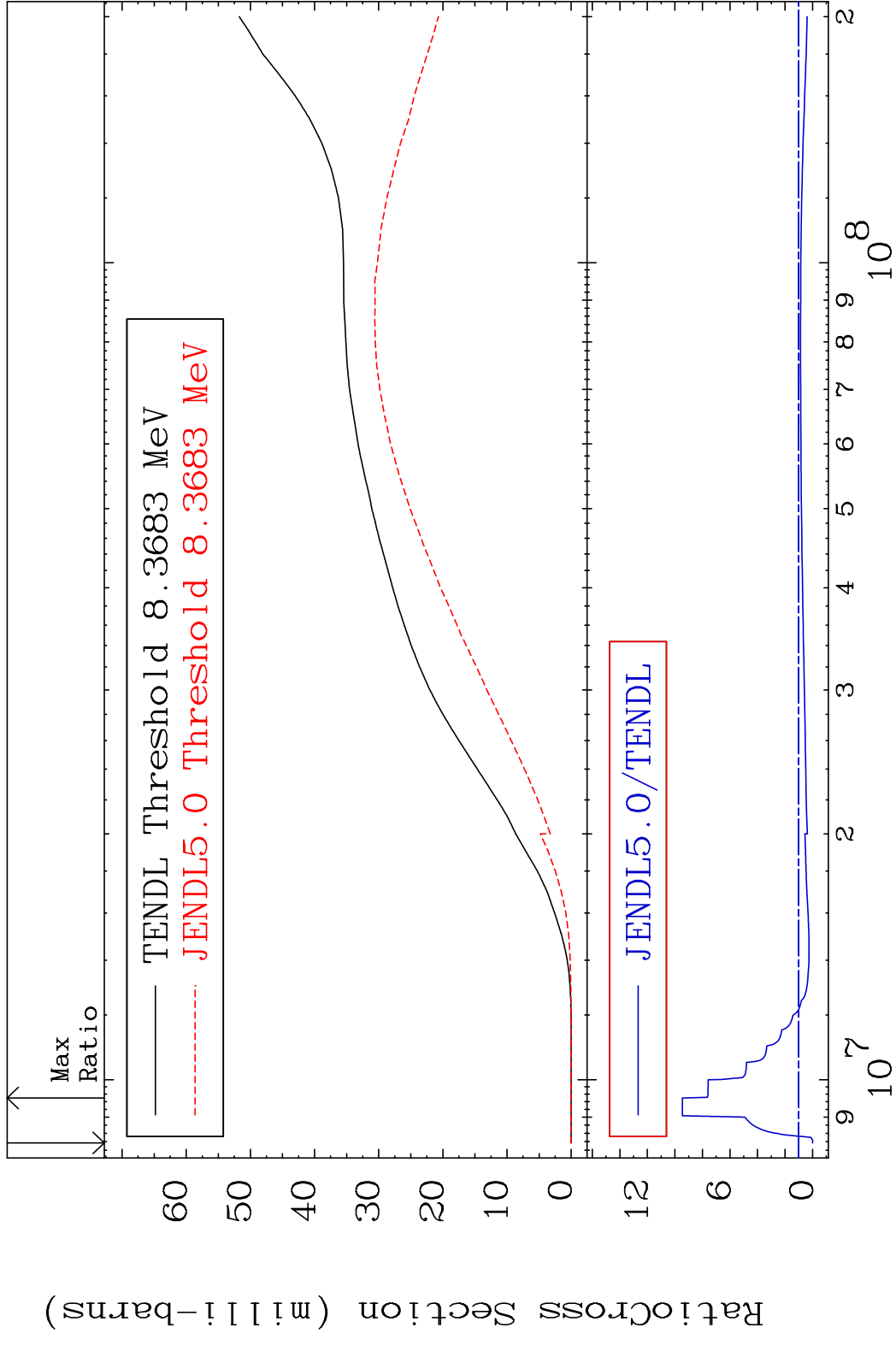


59

Incident Energy (eV)

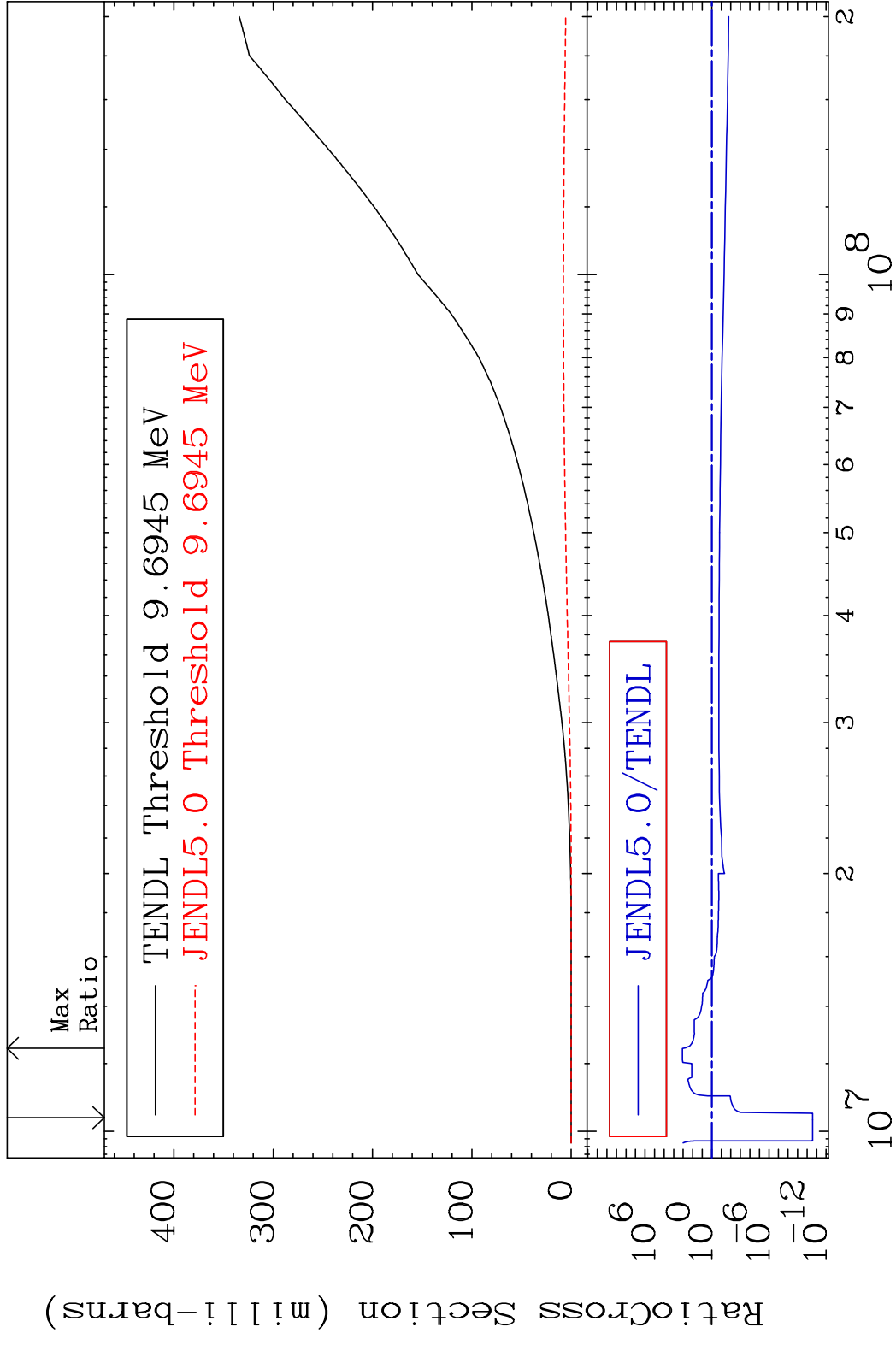
²⁹Cu-63

MAT 2925 Tritium Production 29-Cu-63
 Cross Section -100.0 To 845.9 %



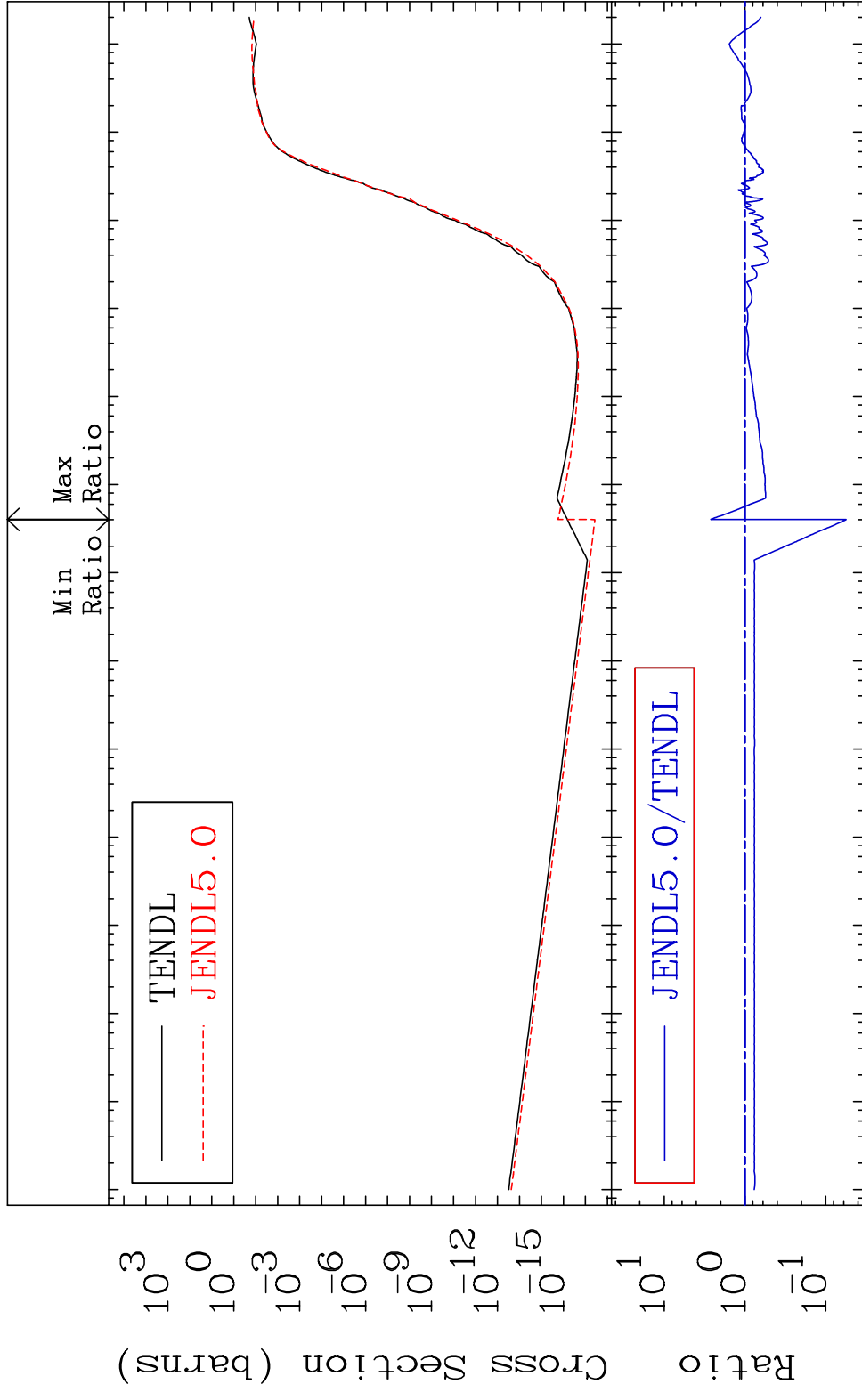
60 Incident Energy (eV) 29-Cu-63

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

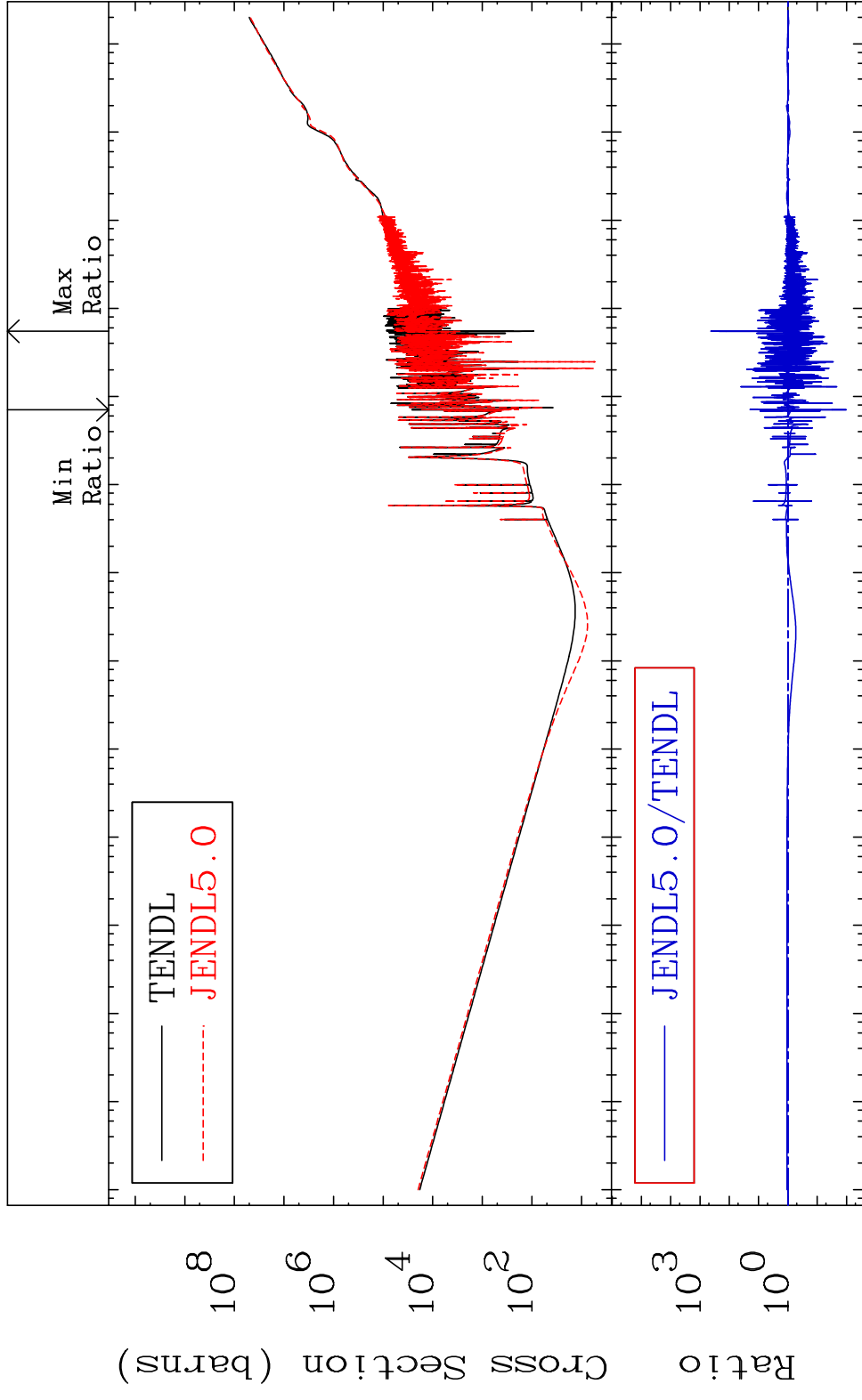


61 29-Cu-63

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. %



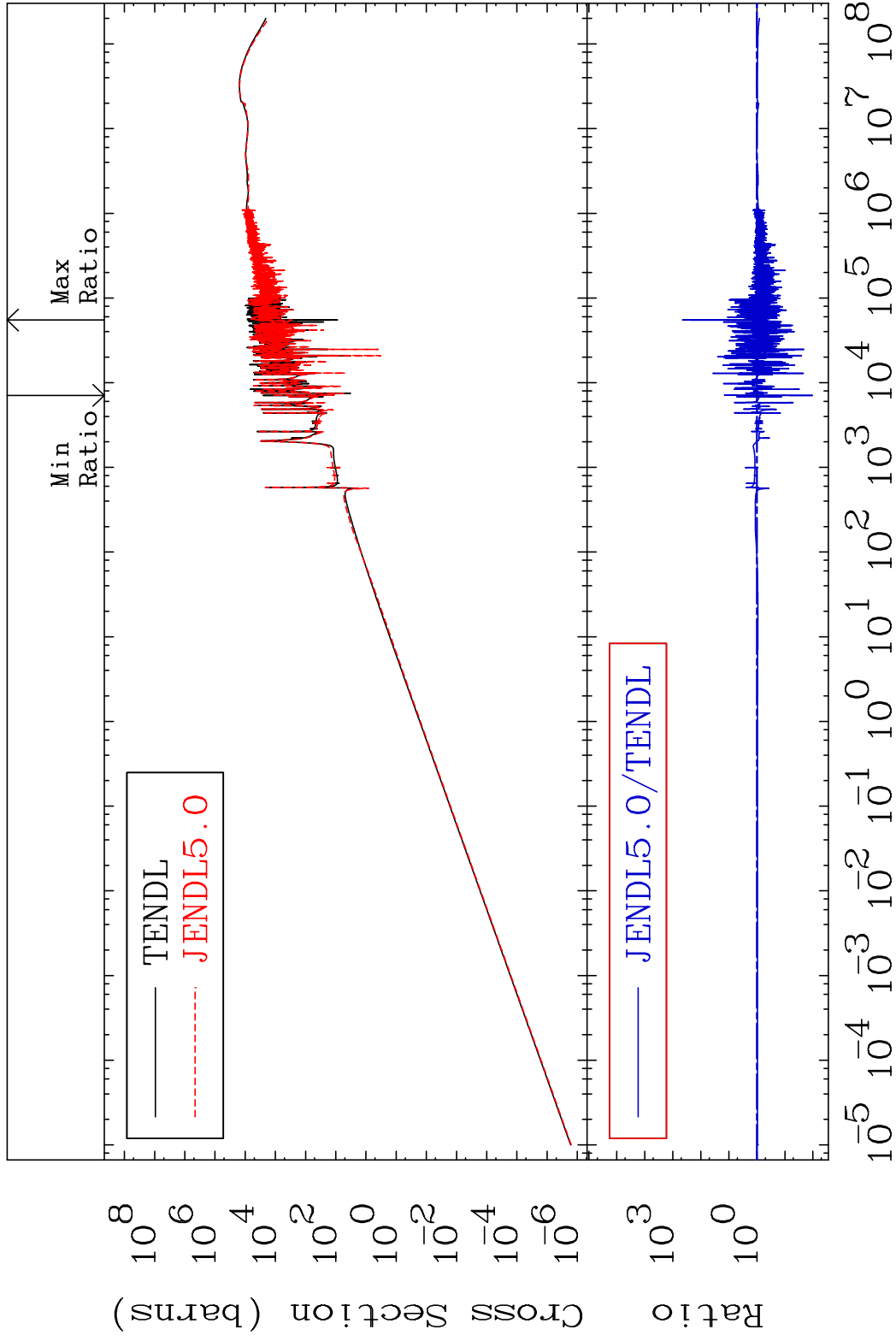
63 Incident Energy (eV) 29-Cu-63

MAT 2925

Kerma elastic

29-Cu-63

Cross Section -98.97 To 9999. %

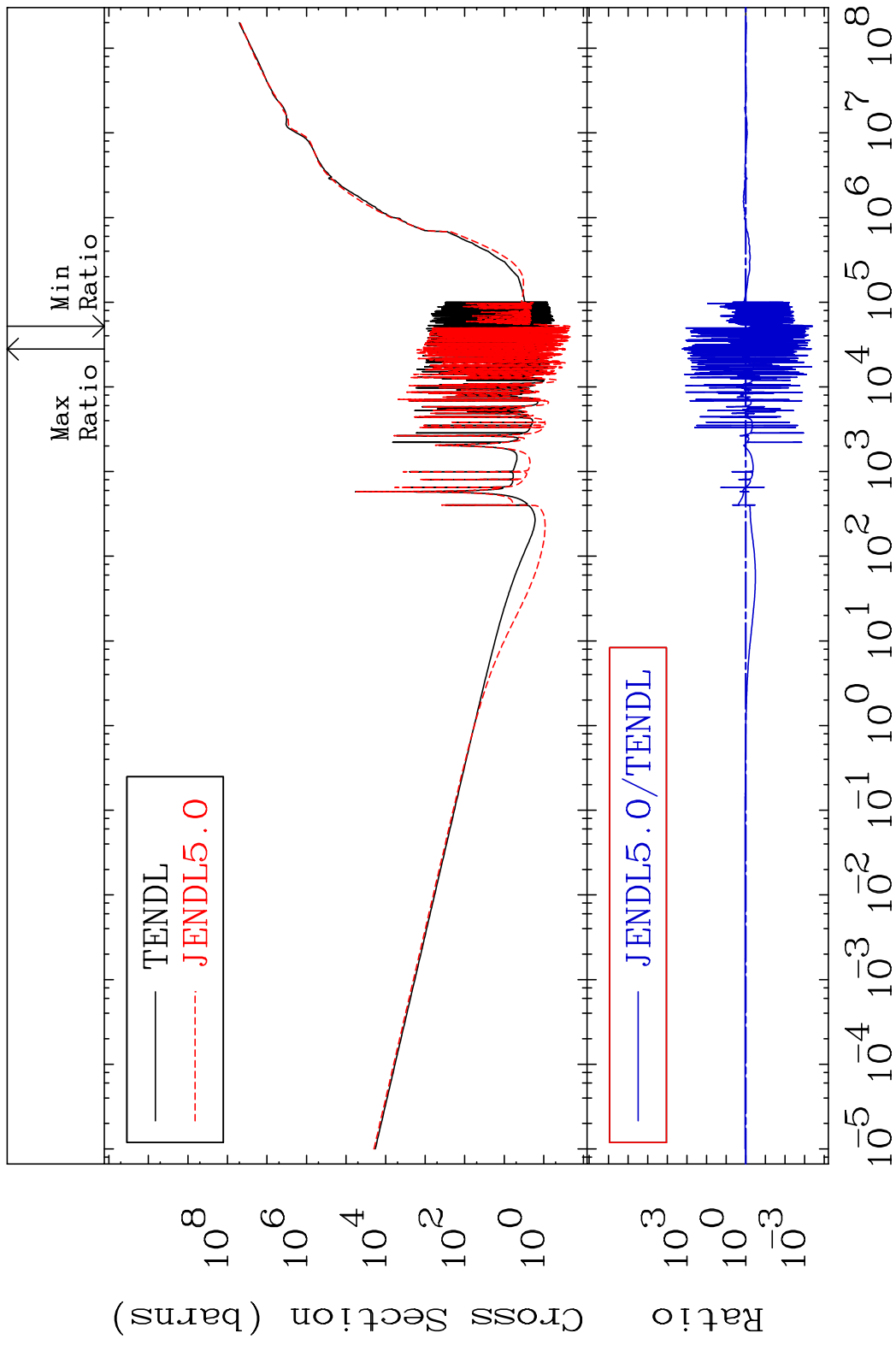


64

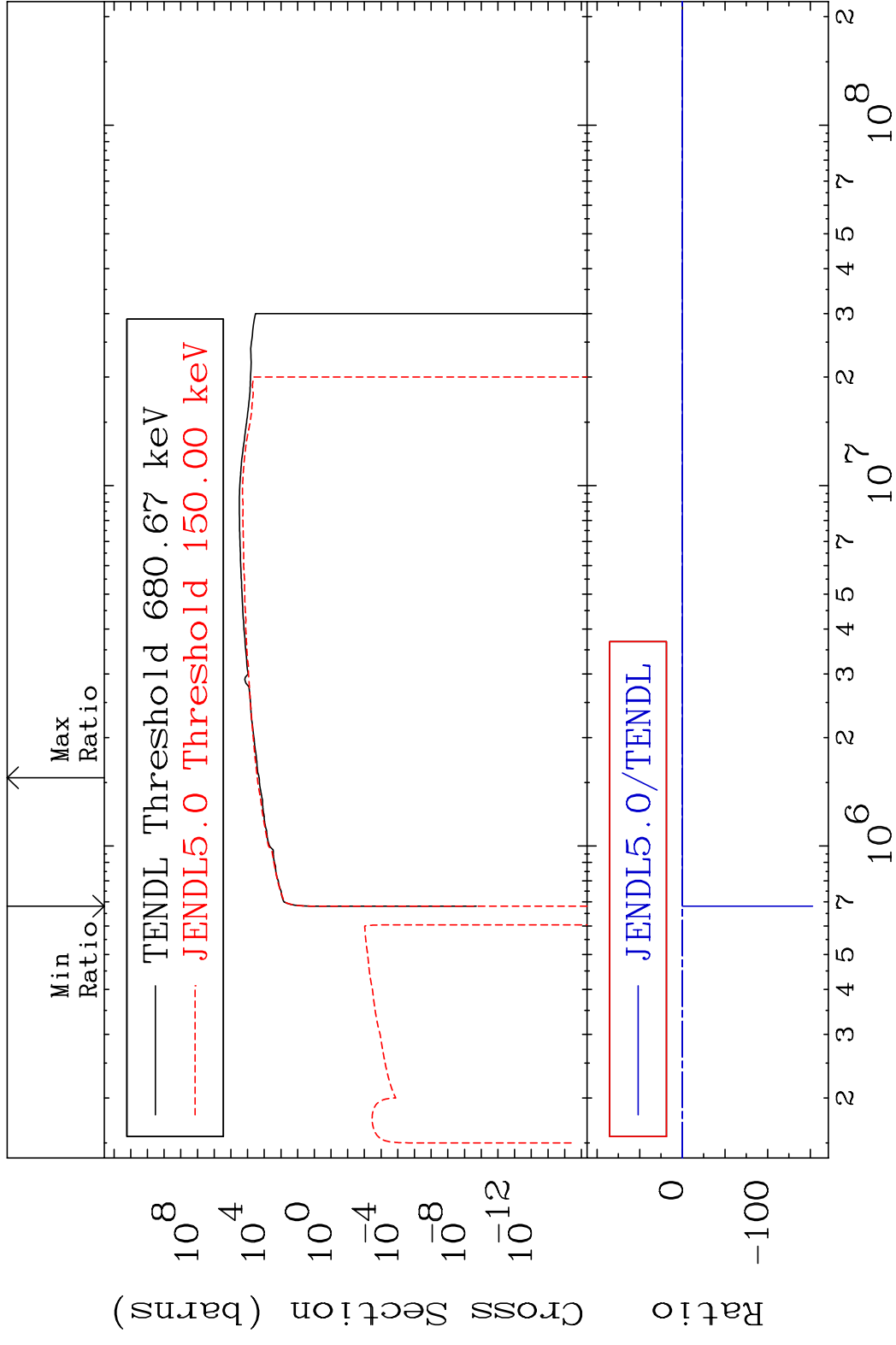
Incident Energy (eV)

29-Cu-63

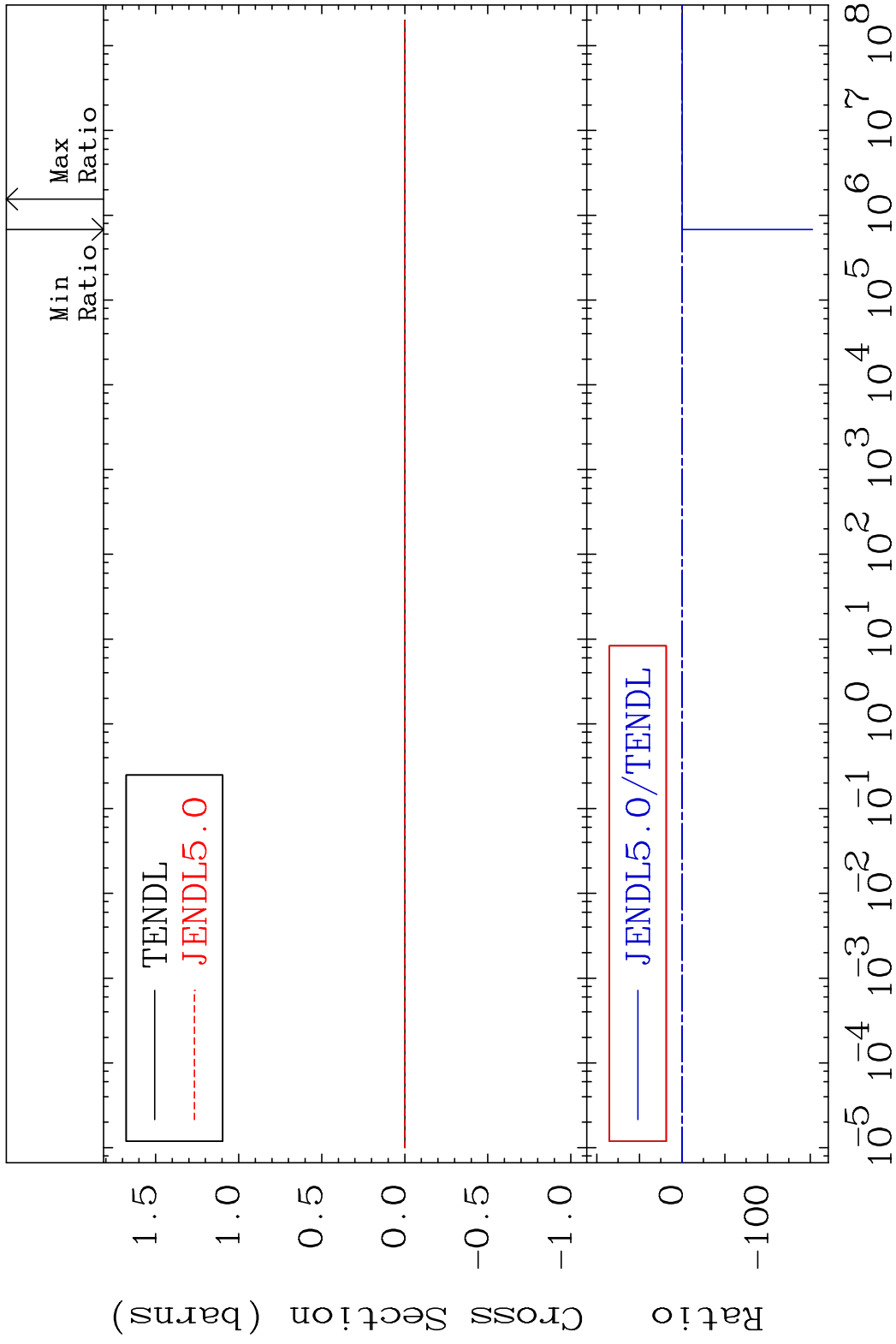
MAT 2925 Kerma non-elastic (all but mt2) 29-Cu-63
 Cross Section -99.96 To 9999. %



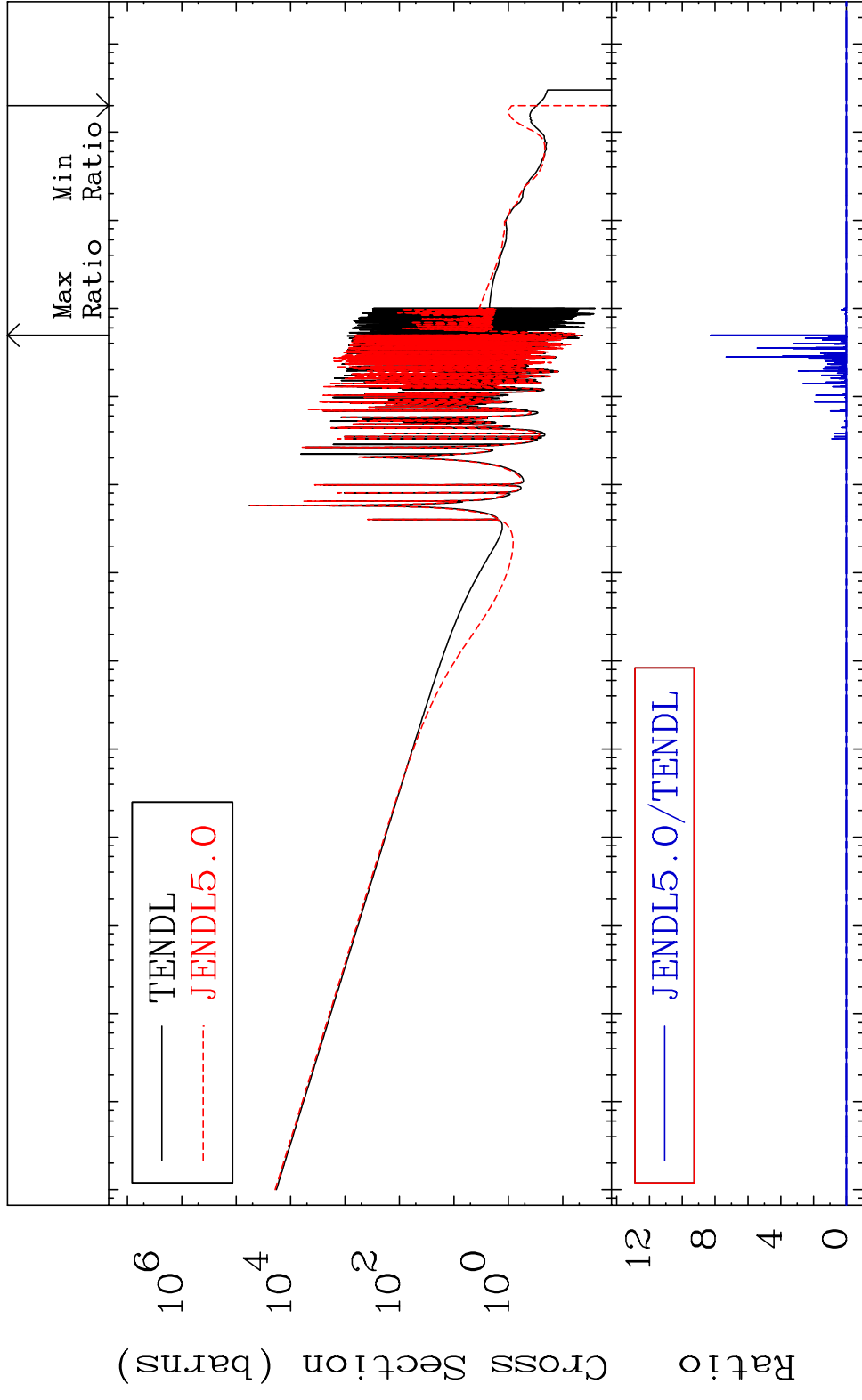
MAT 2925 Kerma inelastic (mt51-91) 29-Cu-63
 Cross Section -9999. To 28.27 %



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

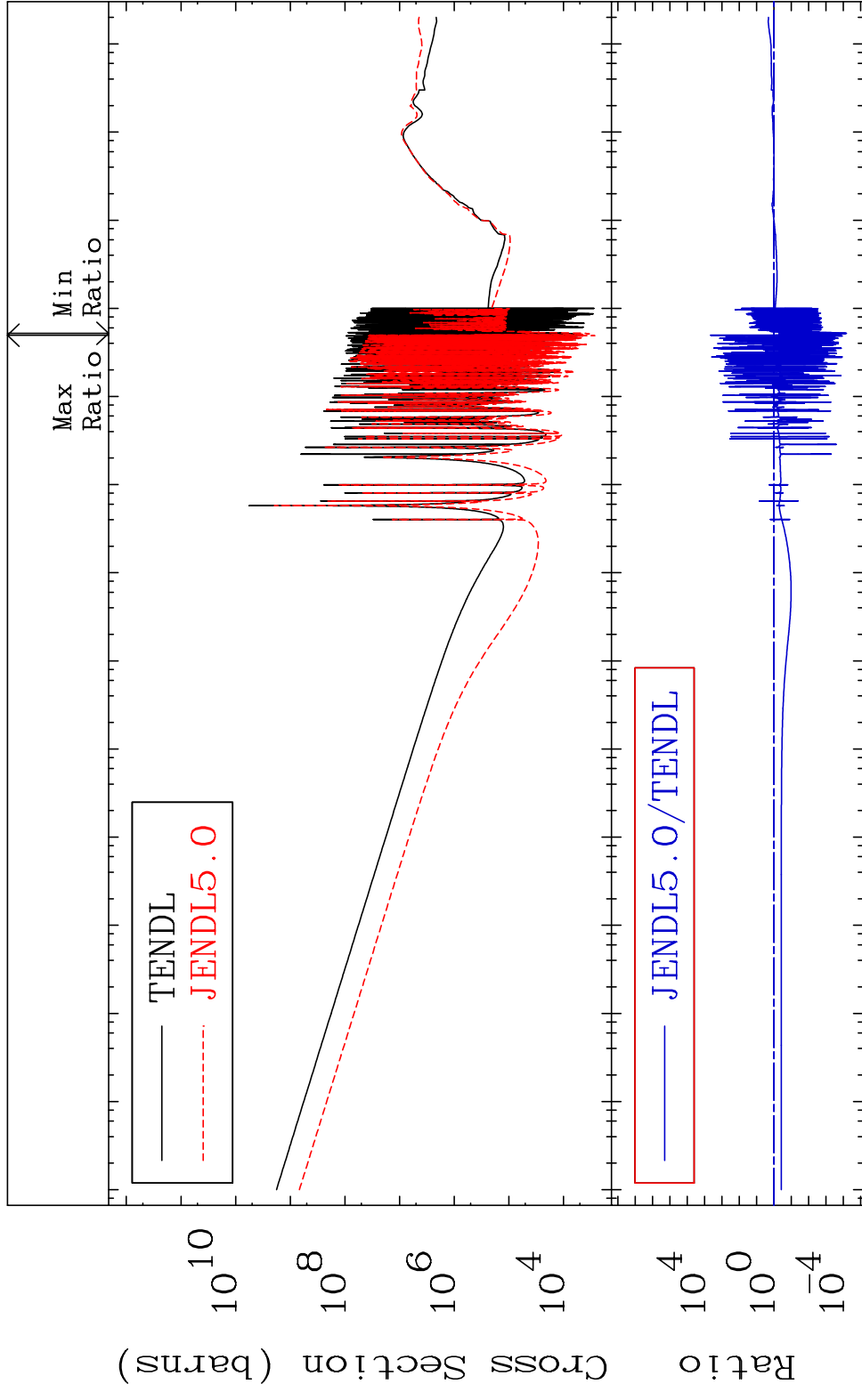


MAT 2925 Kerma capture (mt102) 29-Cu-63
 Cross Section -100.0 To 9999. %



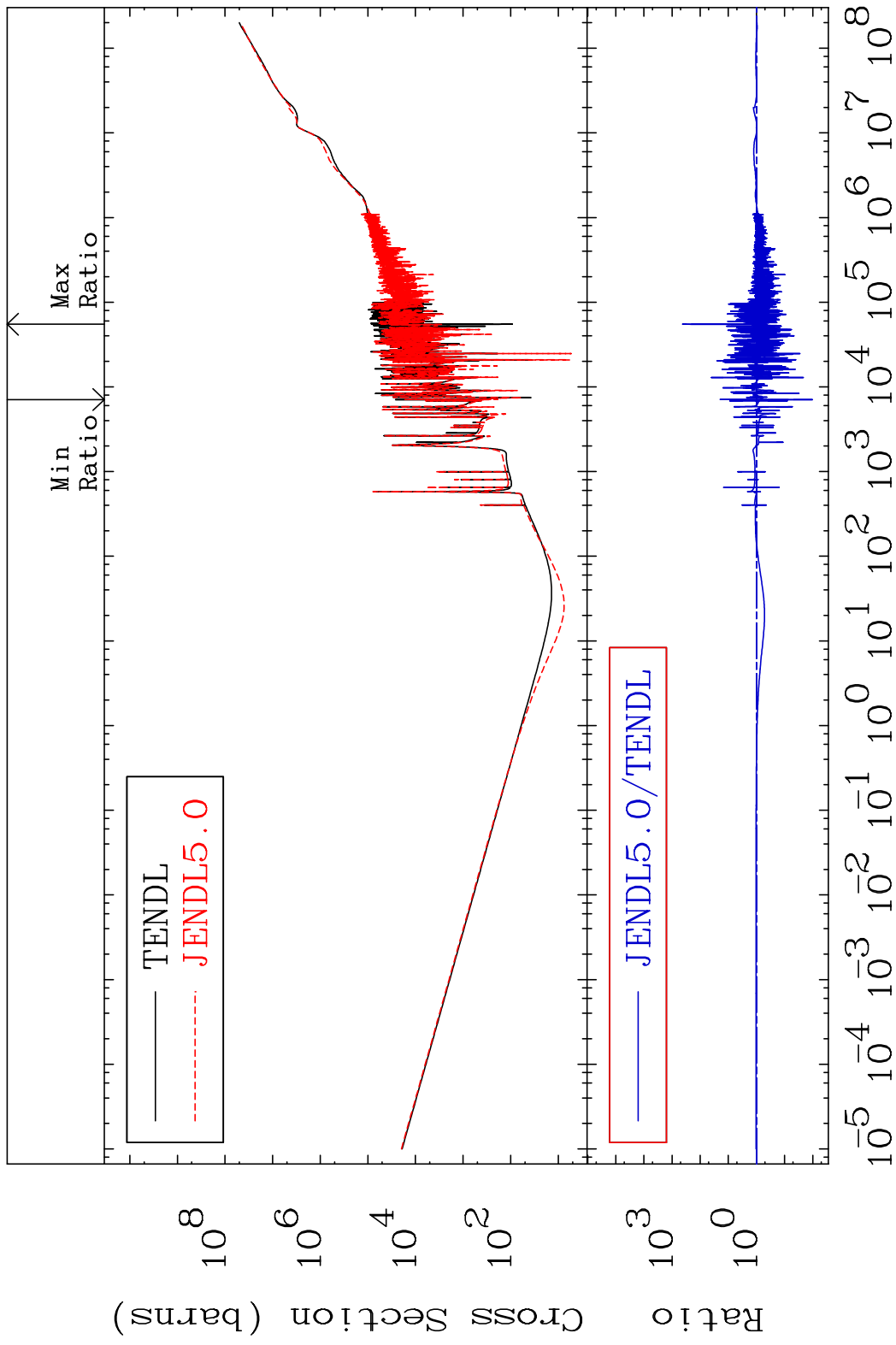
68 Incident Energy (eV) 29-Cu-63

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. %



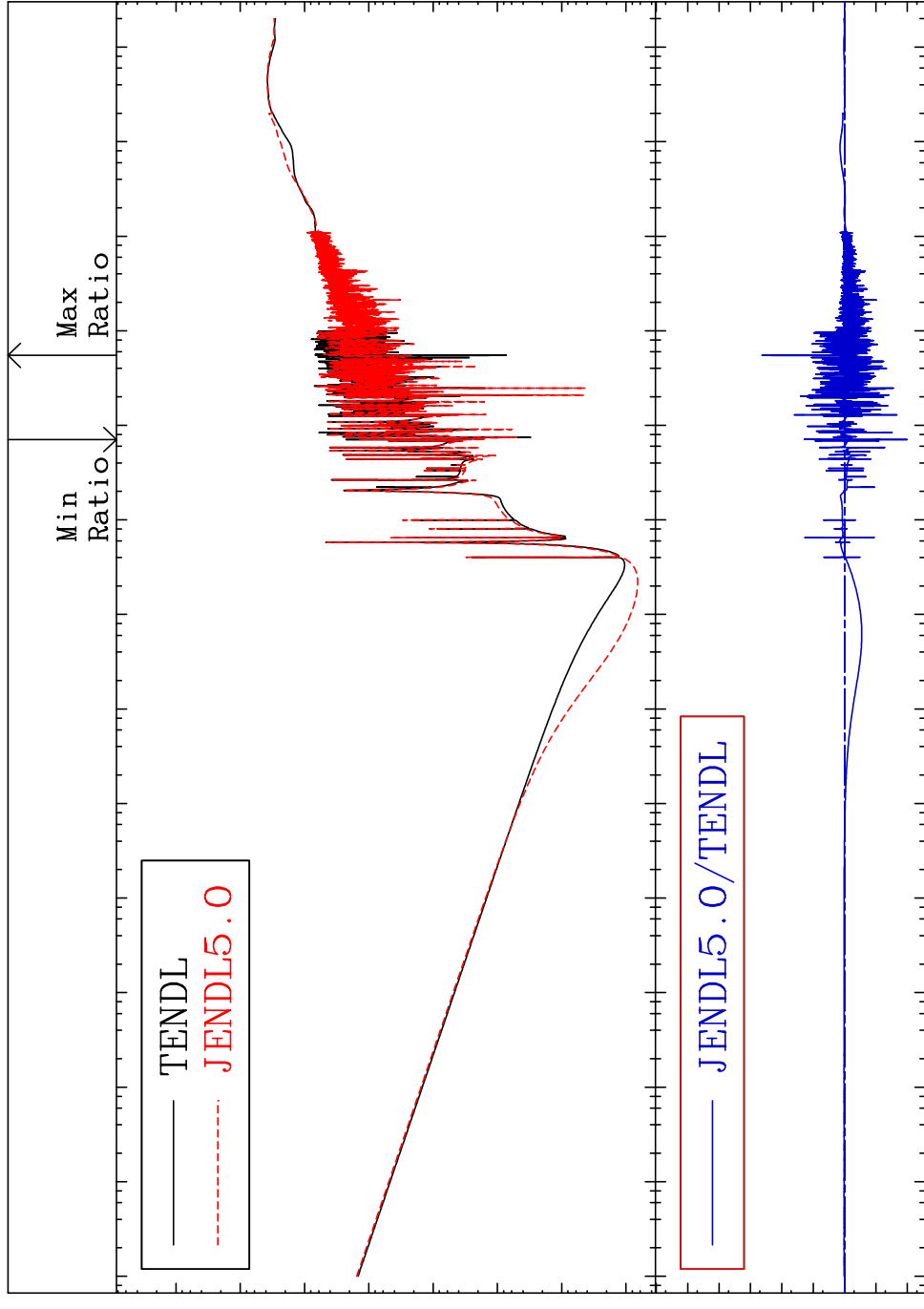
70 Incident Energy (eV) 29-Cu-63

MAT 2925

Dpa total (eV-barns)

29-Cu-63

Cross Section -98.99 To 9999. %



Cross Section (barns)
Ratio

Incident Energy (eV)

71

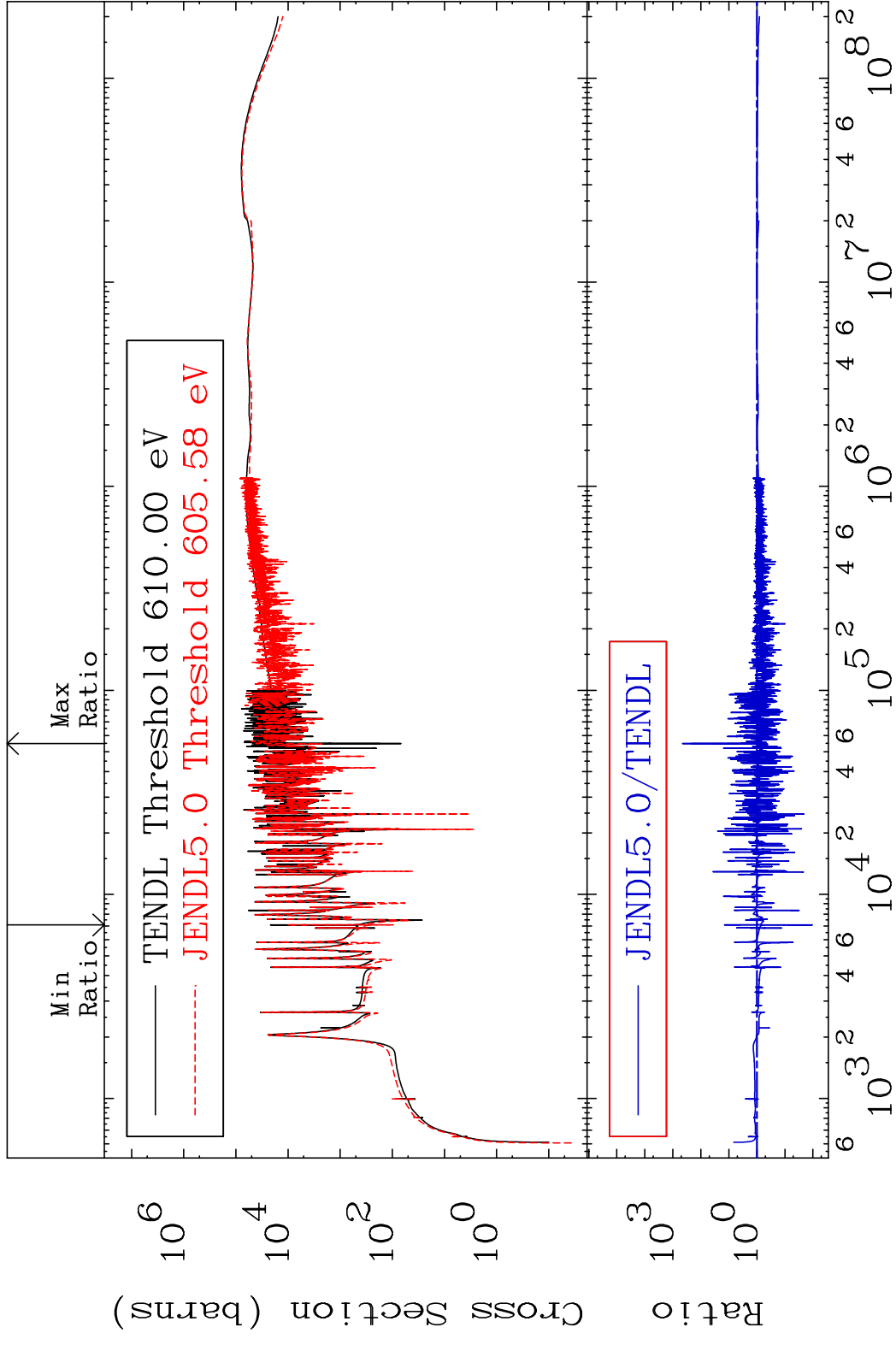
29-Cu-63

MAT 2925

Dpa elastic (mt2)

29-Cu-63

Cross Section -98.97 To 9999. %

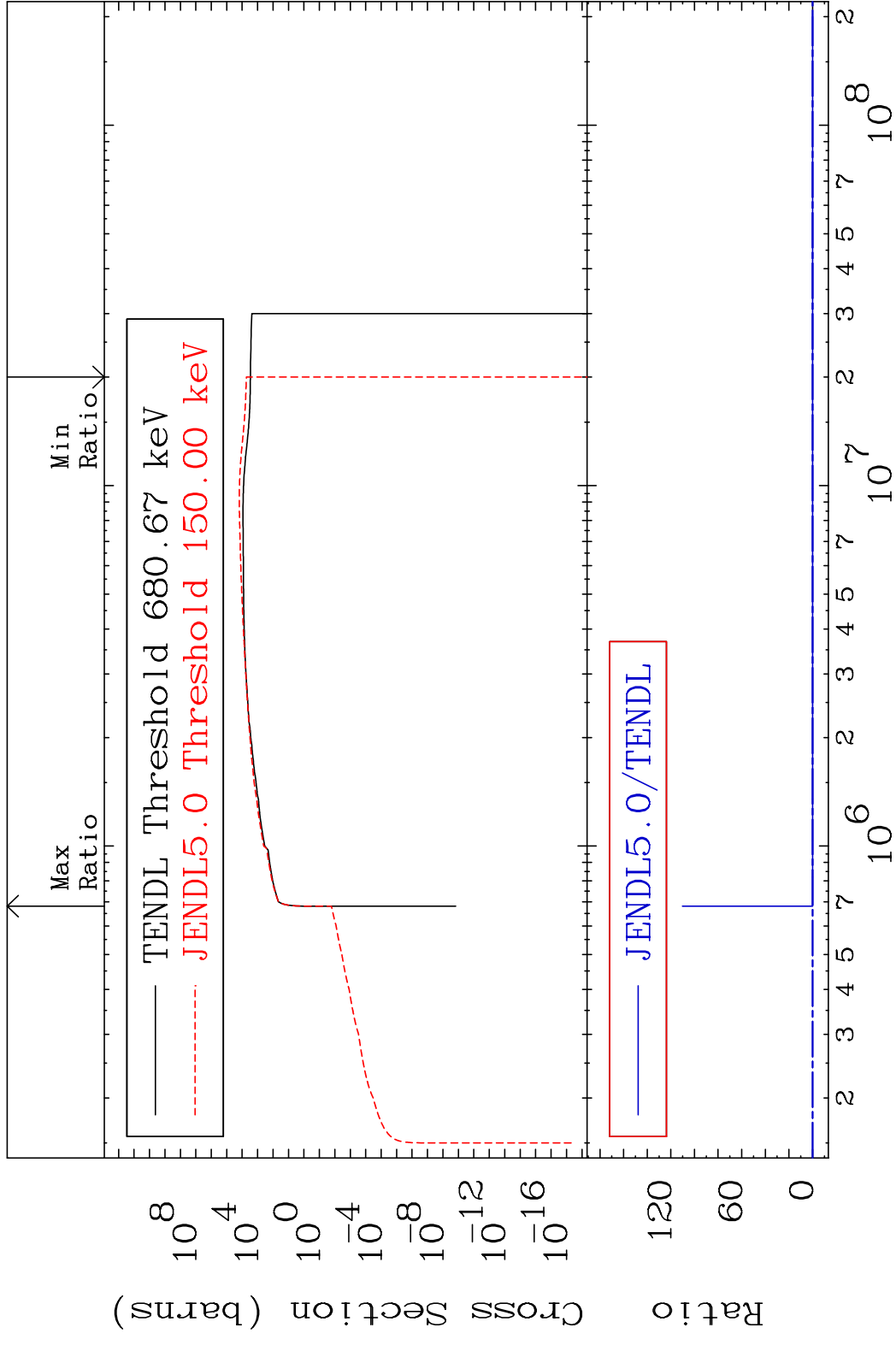


72

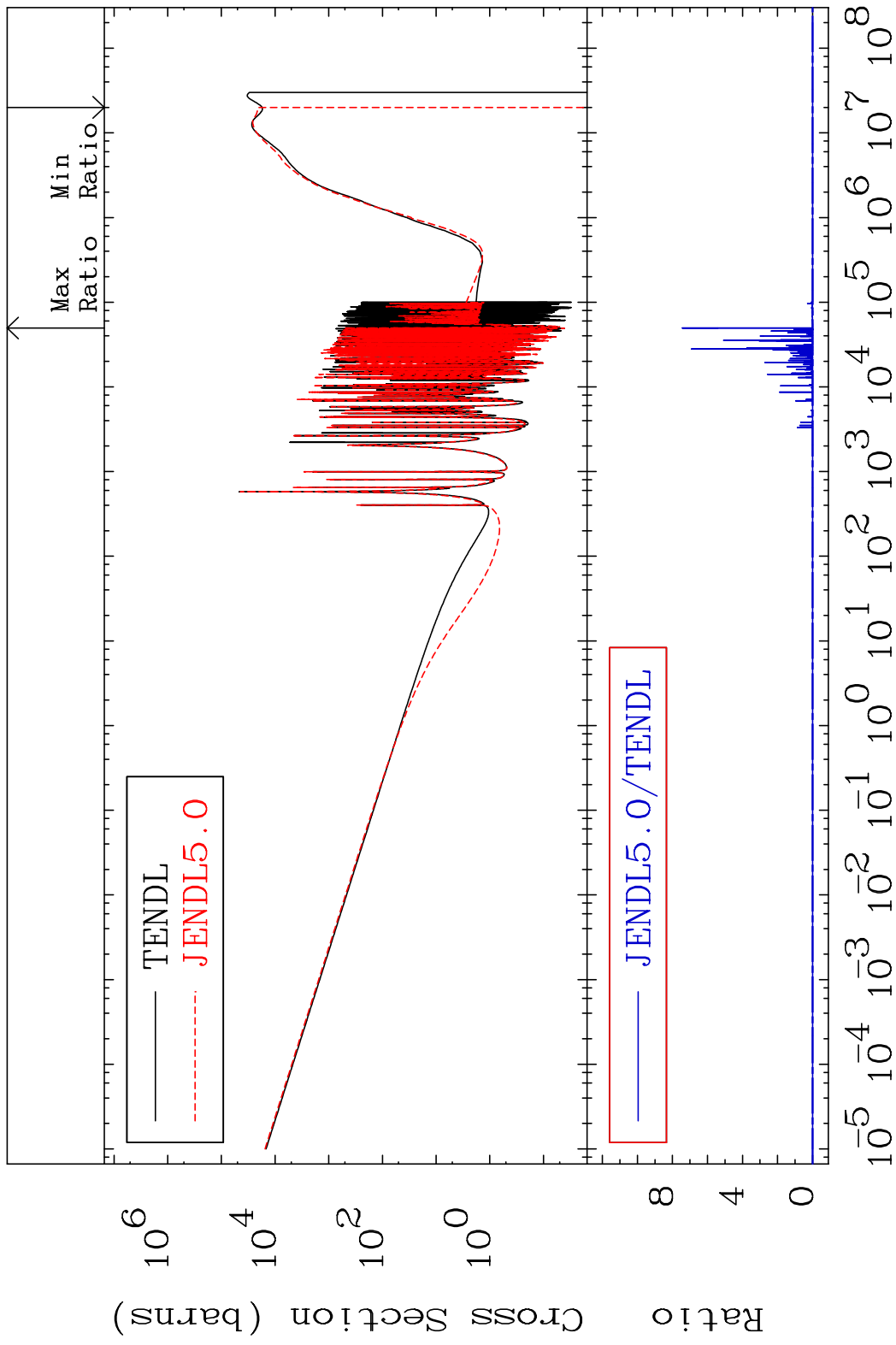
Incident Energy (eV)

29-Cu-63

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

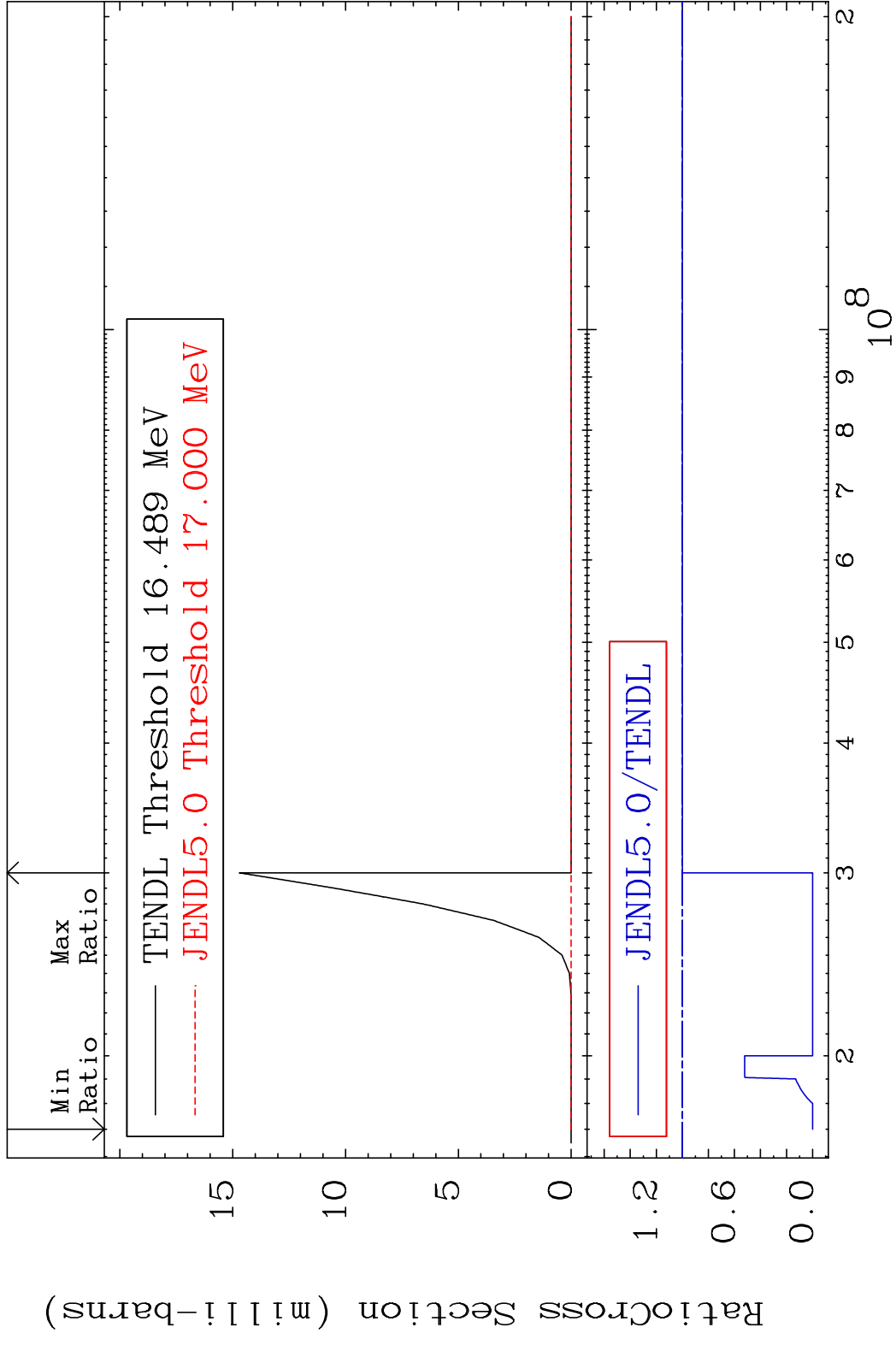


MAT 2925 Dpa disappearance (mt102 -120) 29-Cu-63
 Cross Section -100.0 To 9999. %

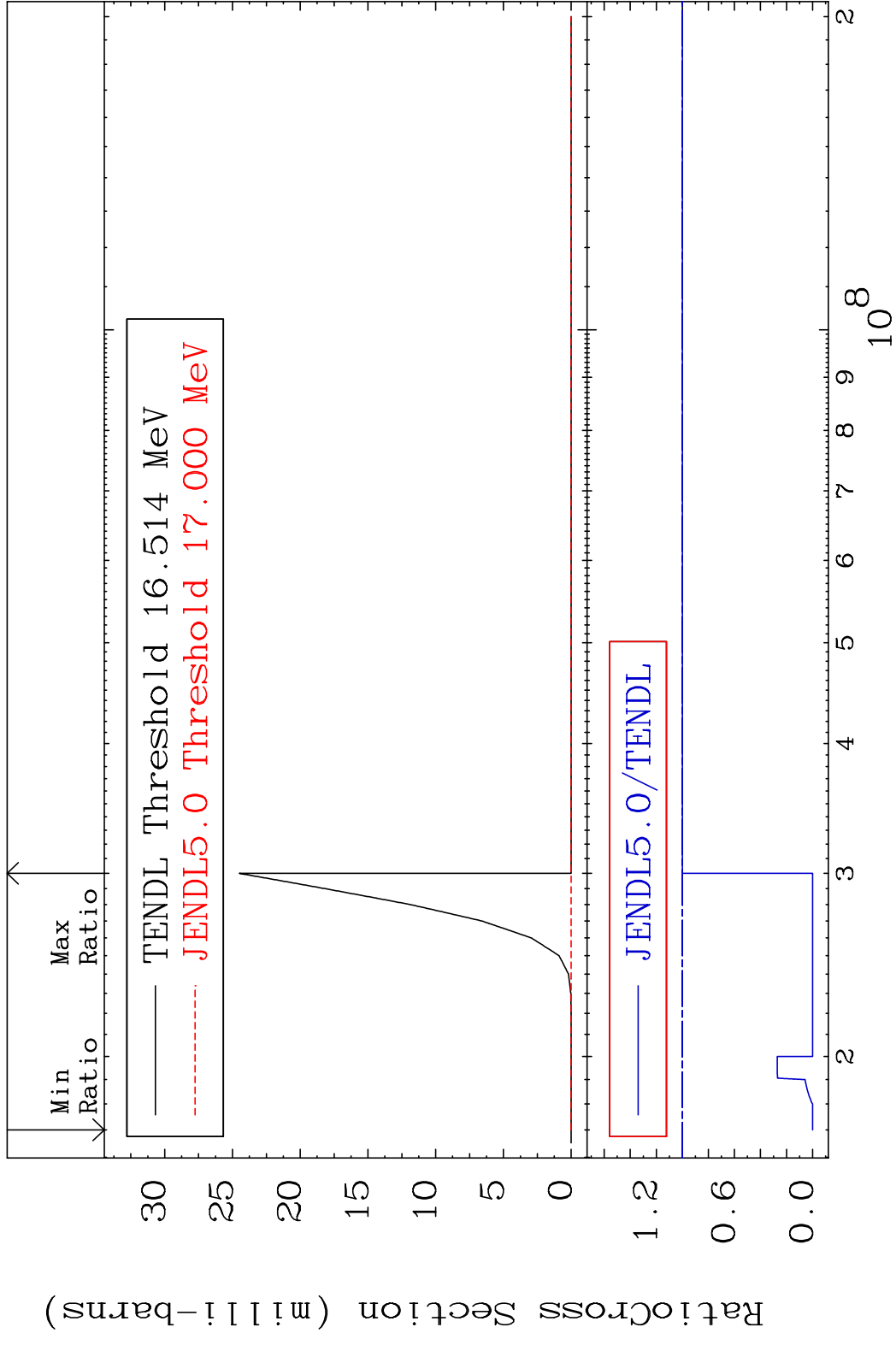


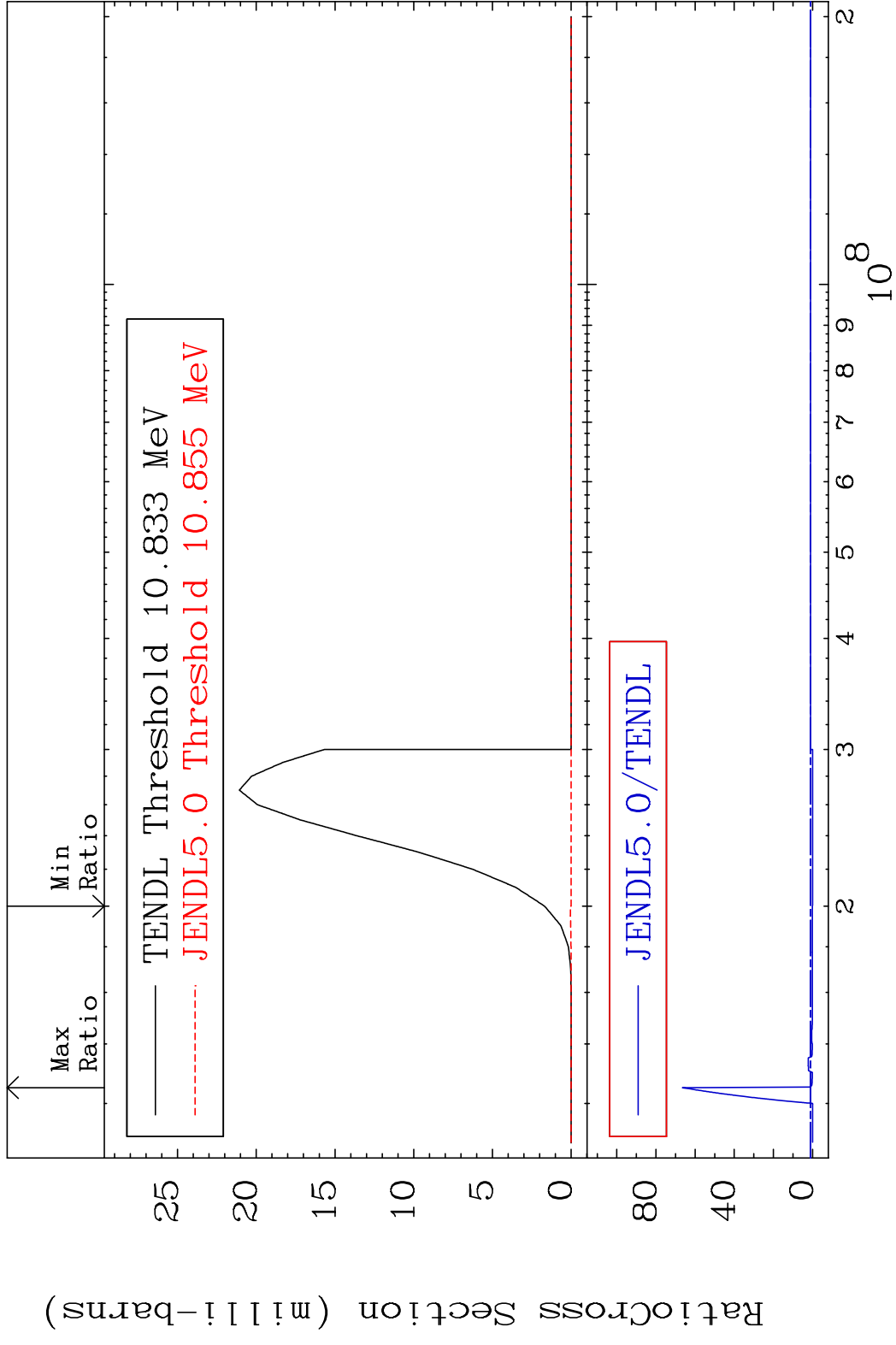
74 Incident Energy (eV) 29-Cu-63

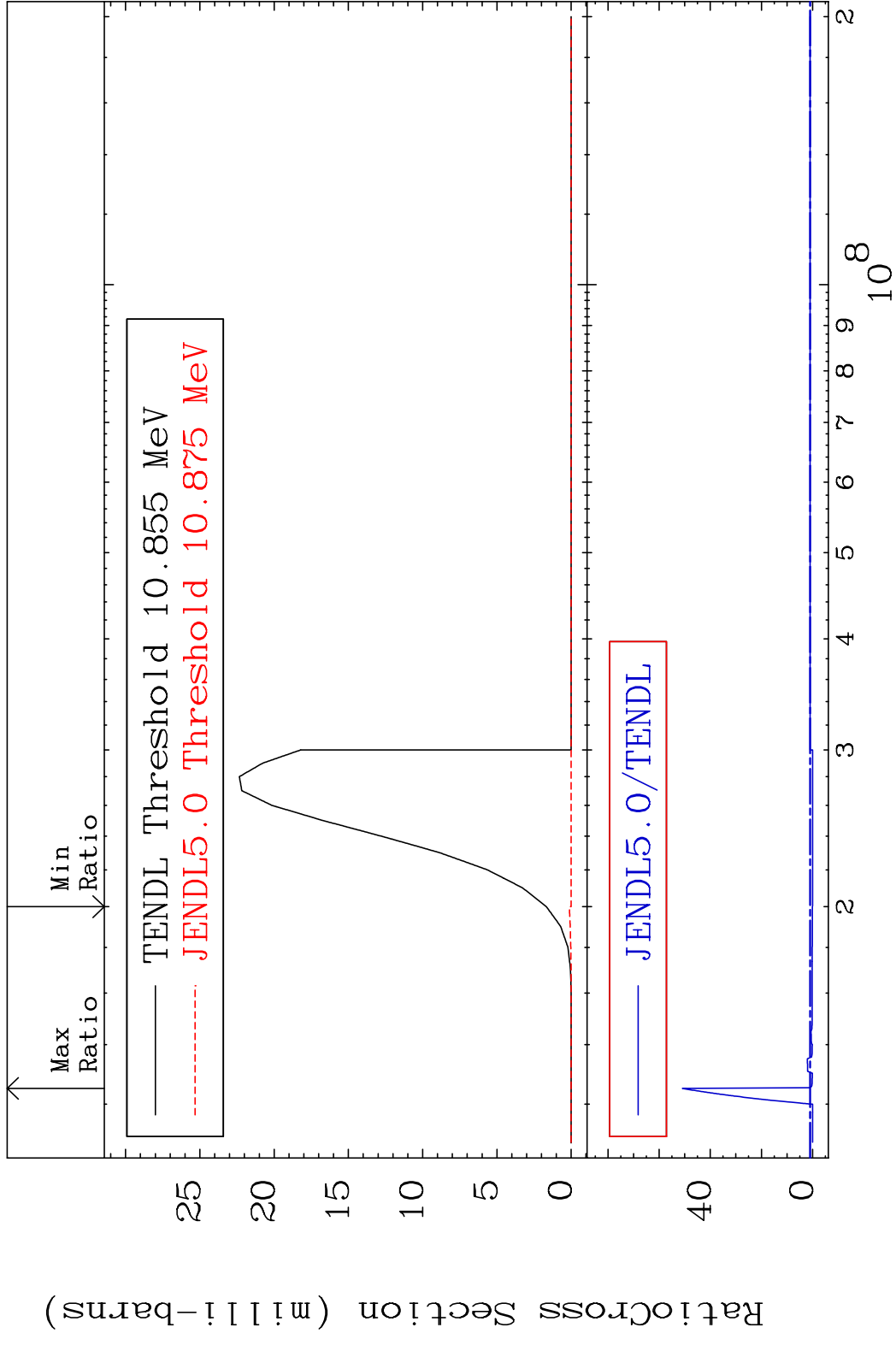
MAT 2925 (n,2n) α :27-Co-58g 29-Cu-63
 Radionuclide Production Cross Section 180.0 dth 0.000 %



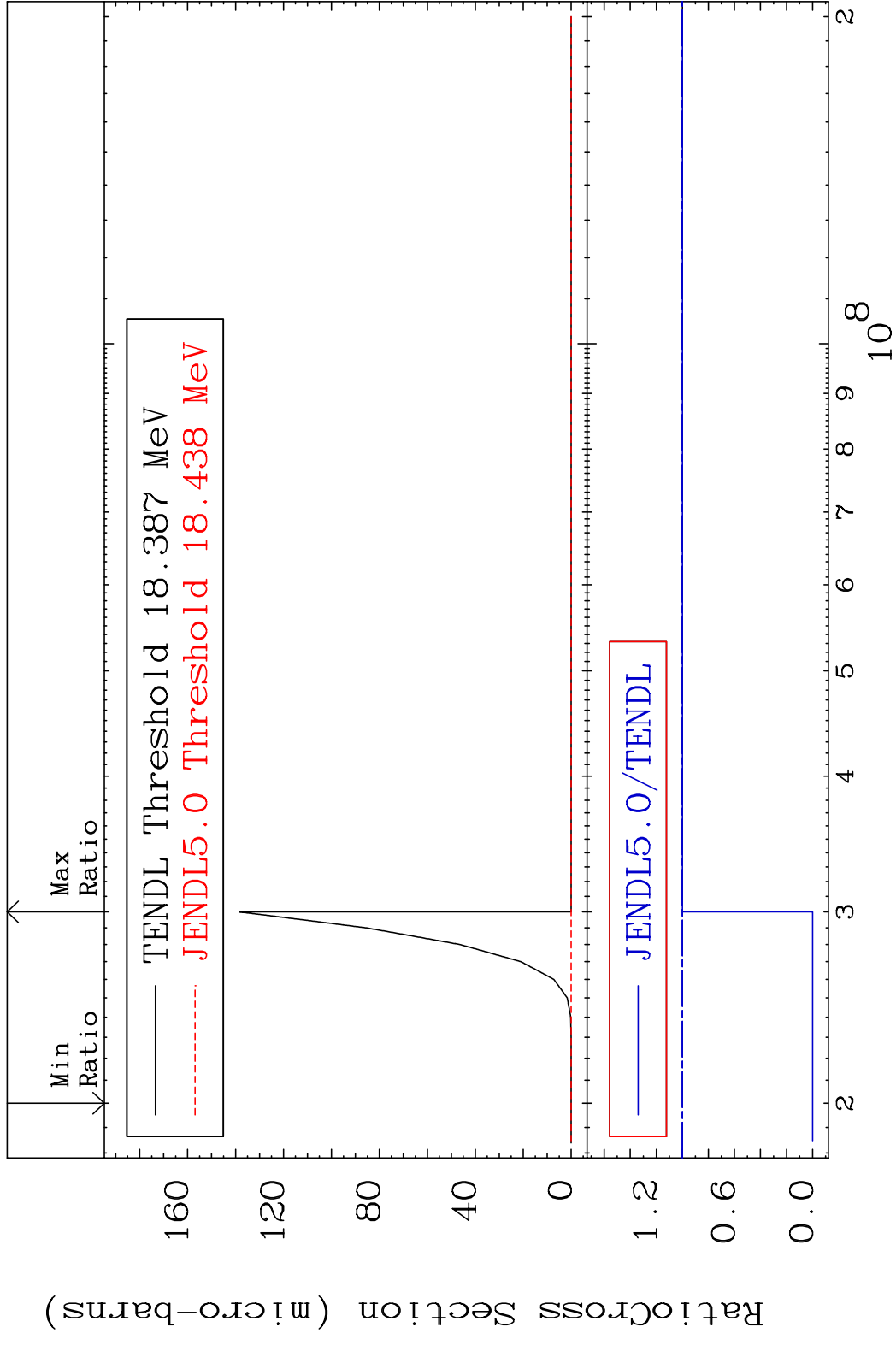
MAT 2925 (n,2n) α :27-Co-58m1 29-Cu-63
 Radionuclide Production Cross Section Ratio 0.000 %





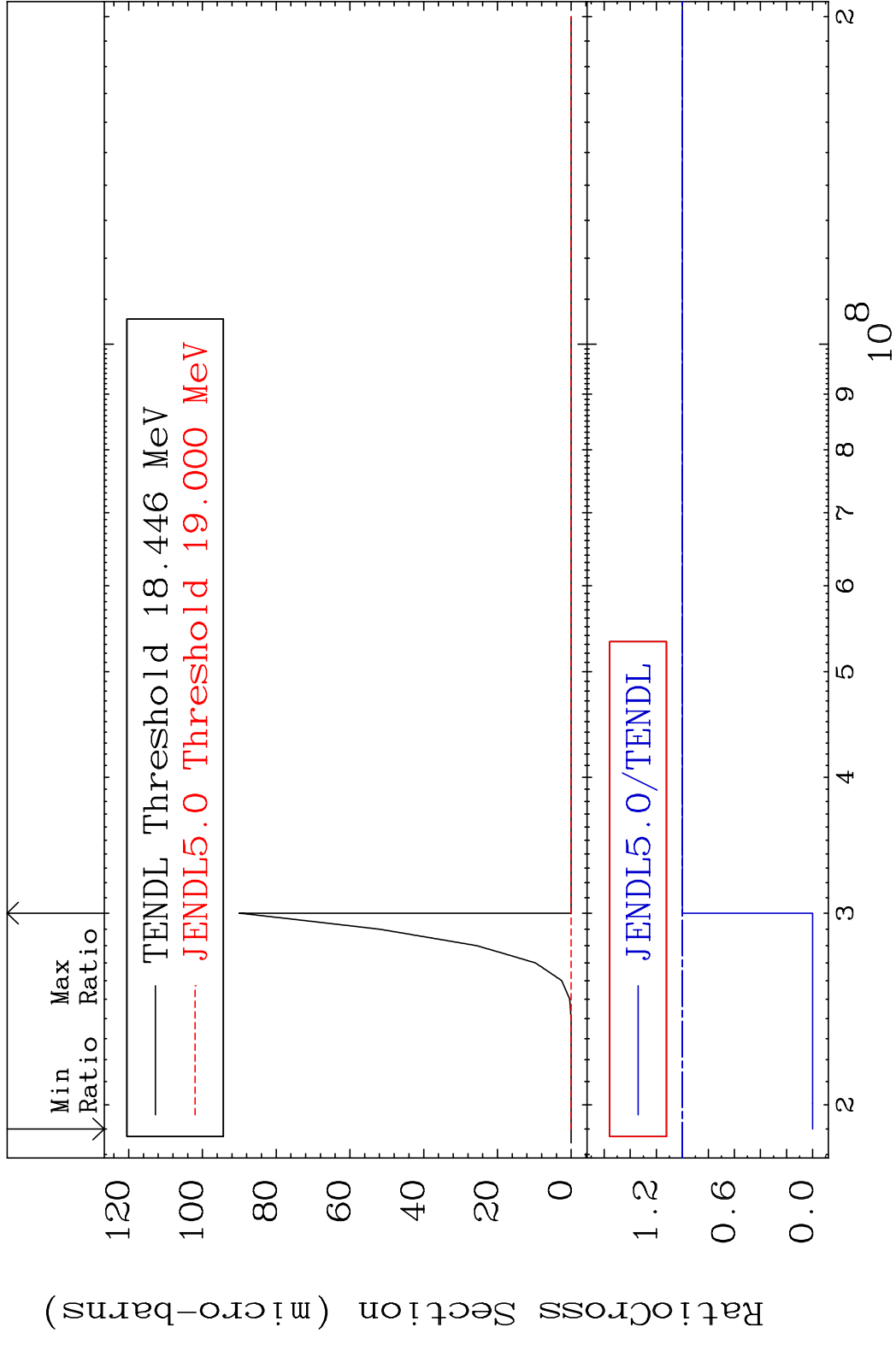


MAT 2925 (n, p) t:27-Co-60g 29-Cu-63
 Radionuclide Production Cross Section 18.438 MeV 0.000 %



79 Incident Energy (eV) 29-Cu-63

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



80 29-Cu-63