

Program Complot
(Version 2018-1)

by

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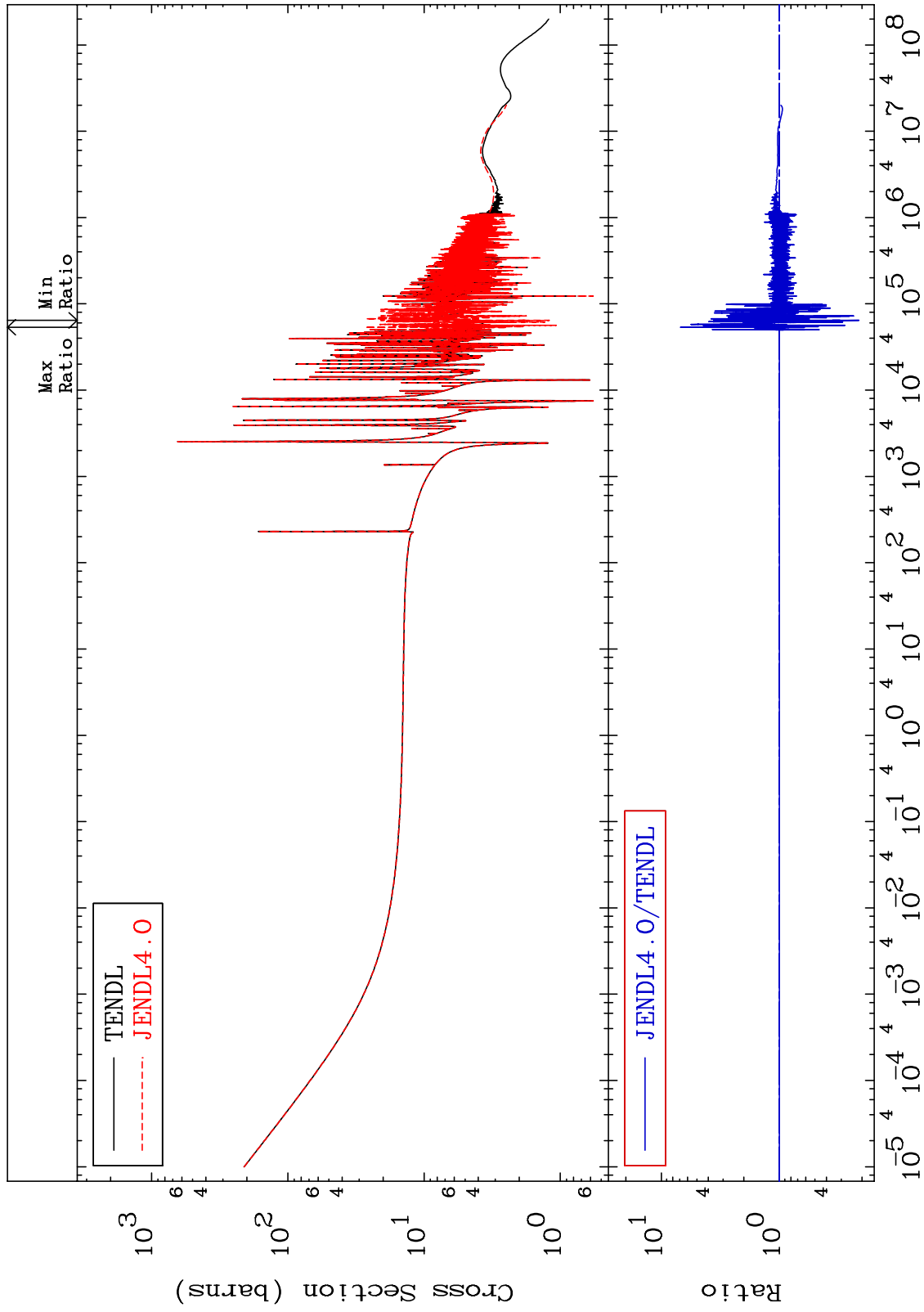
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2931

Total
Cross Section

29-Cu-65
-78.79 To 585.9 %



1

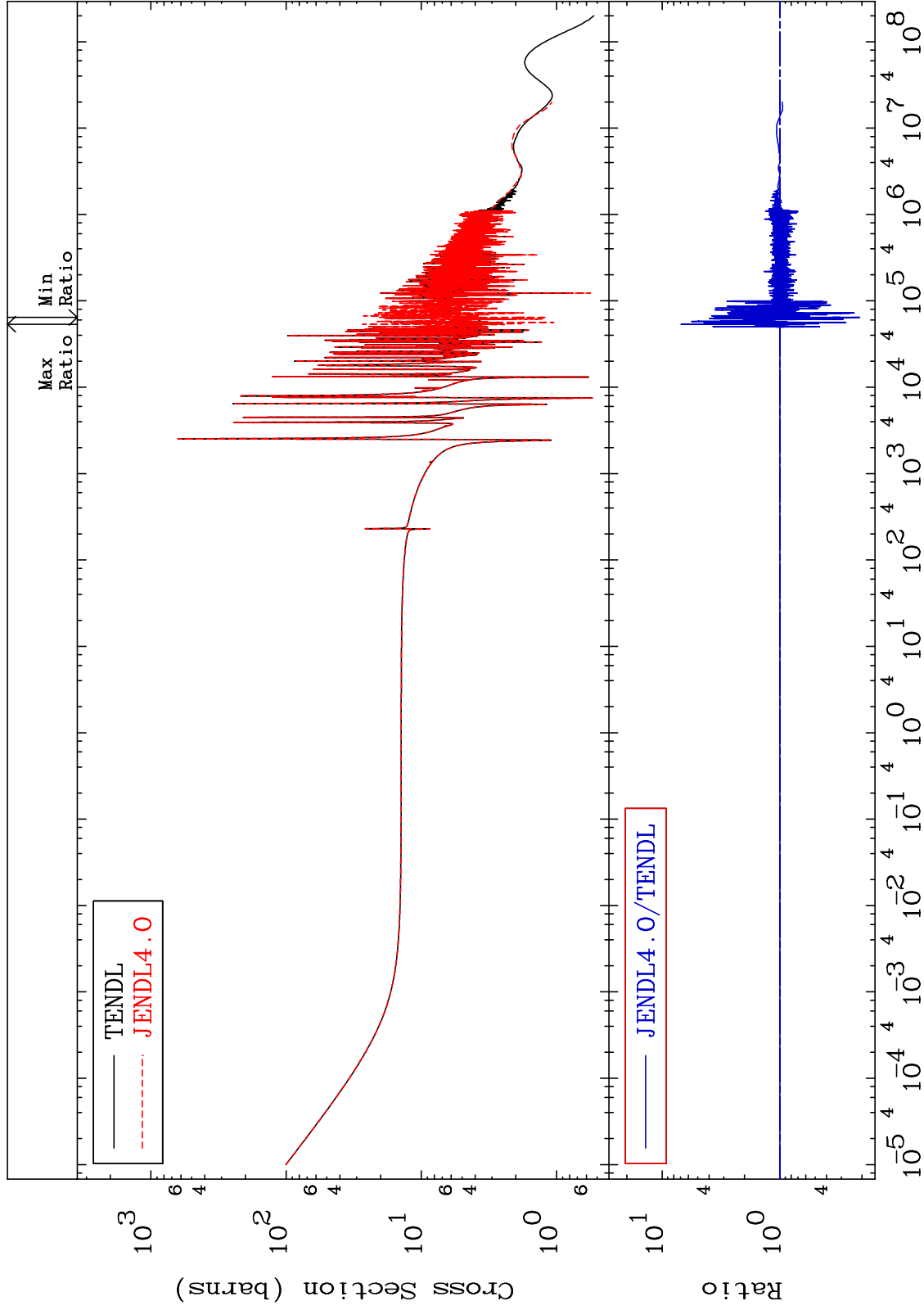
Incident Energy (eV)

29-Cu-65

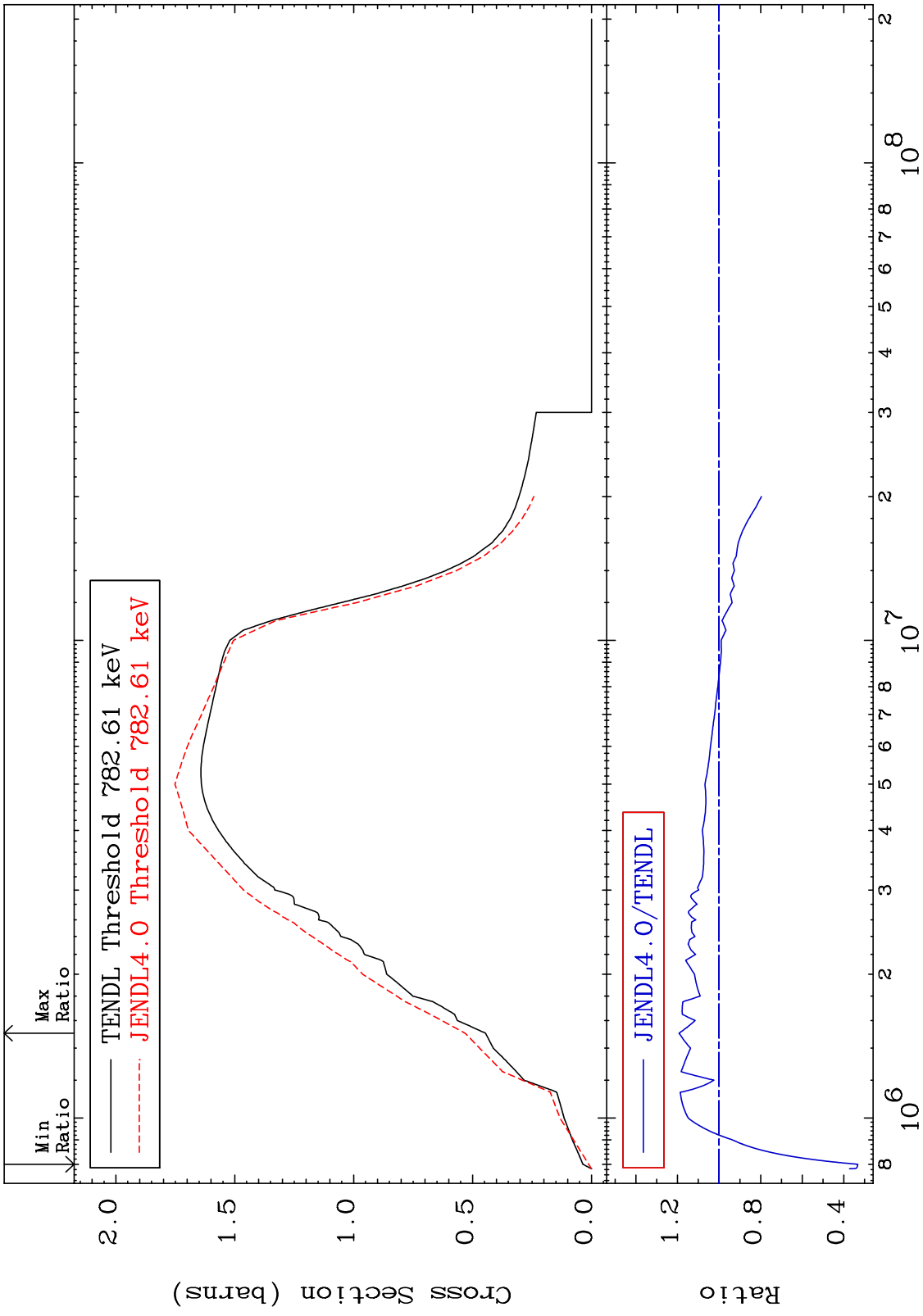
MAT 2931

Elastic
Cross Section

29-Cu-65
-79.11 To 589.9 %

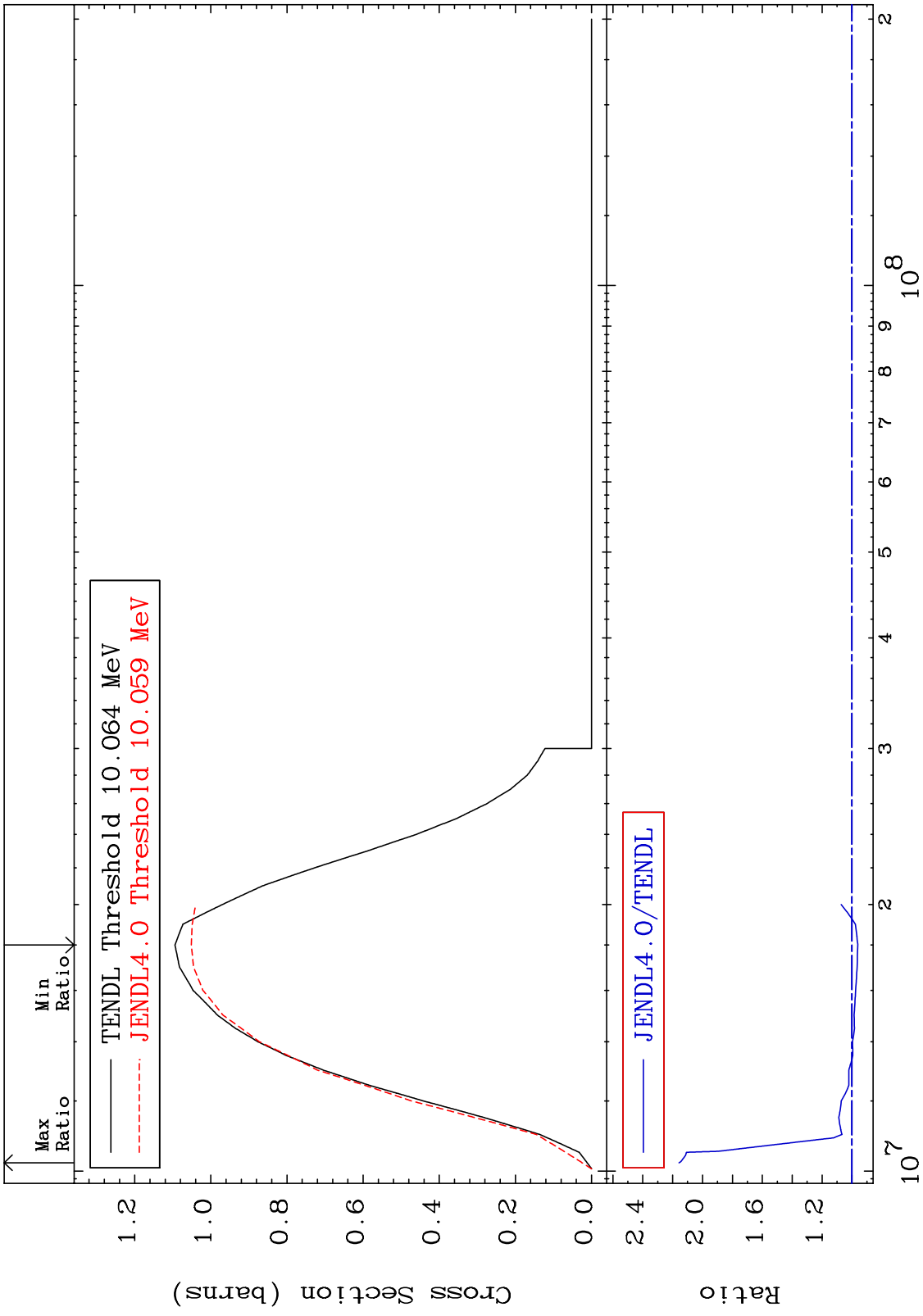


MAT 2931 Inelastic Cross Section 29-Cu-65 -66.73 To 19.24 %



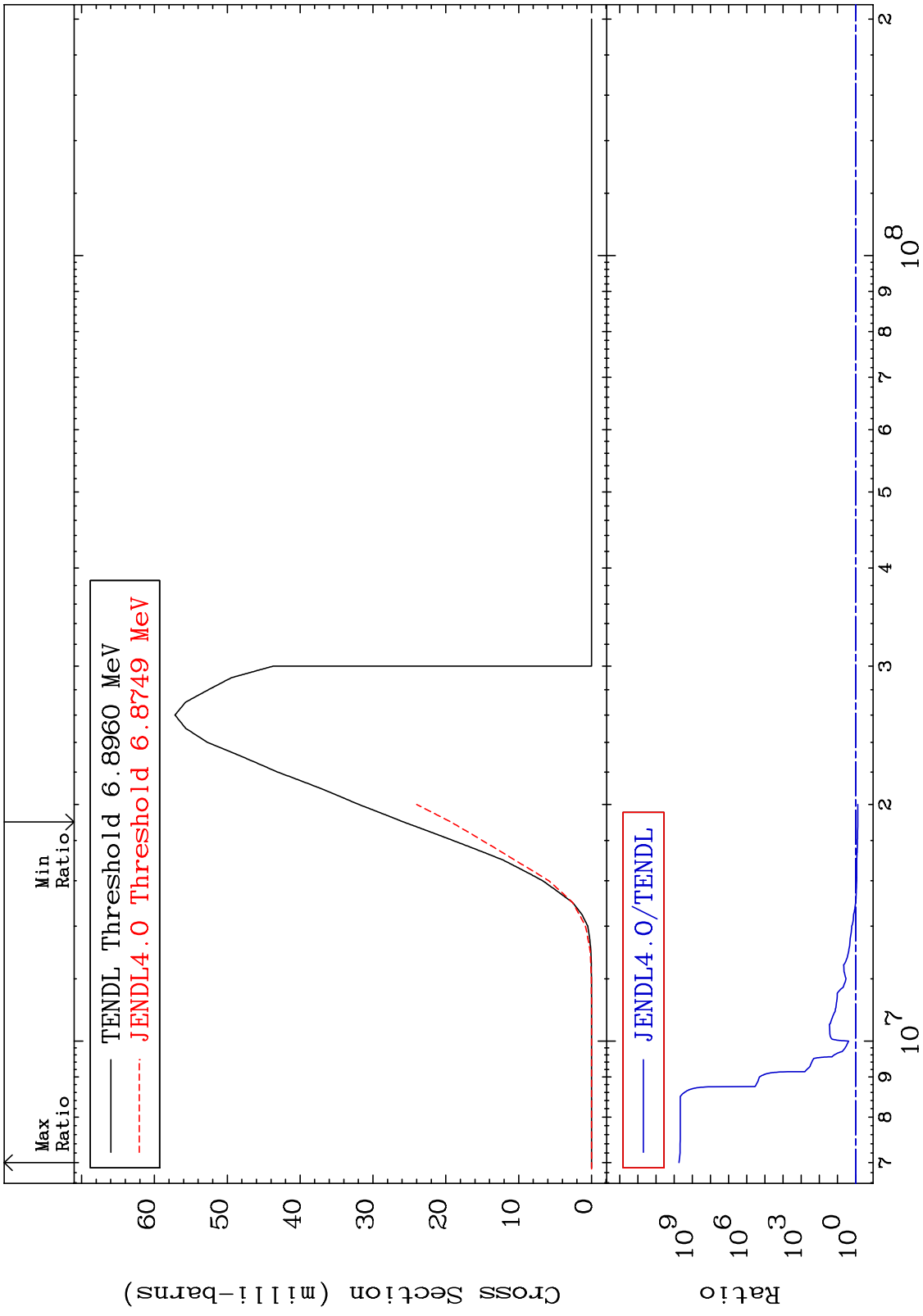
3 Incident Energy (eV) 29-Cu-65

MAT 2931 (n,2n) Cross Section 29-Cu-65 -3.925 To 115.7 %

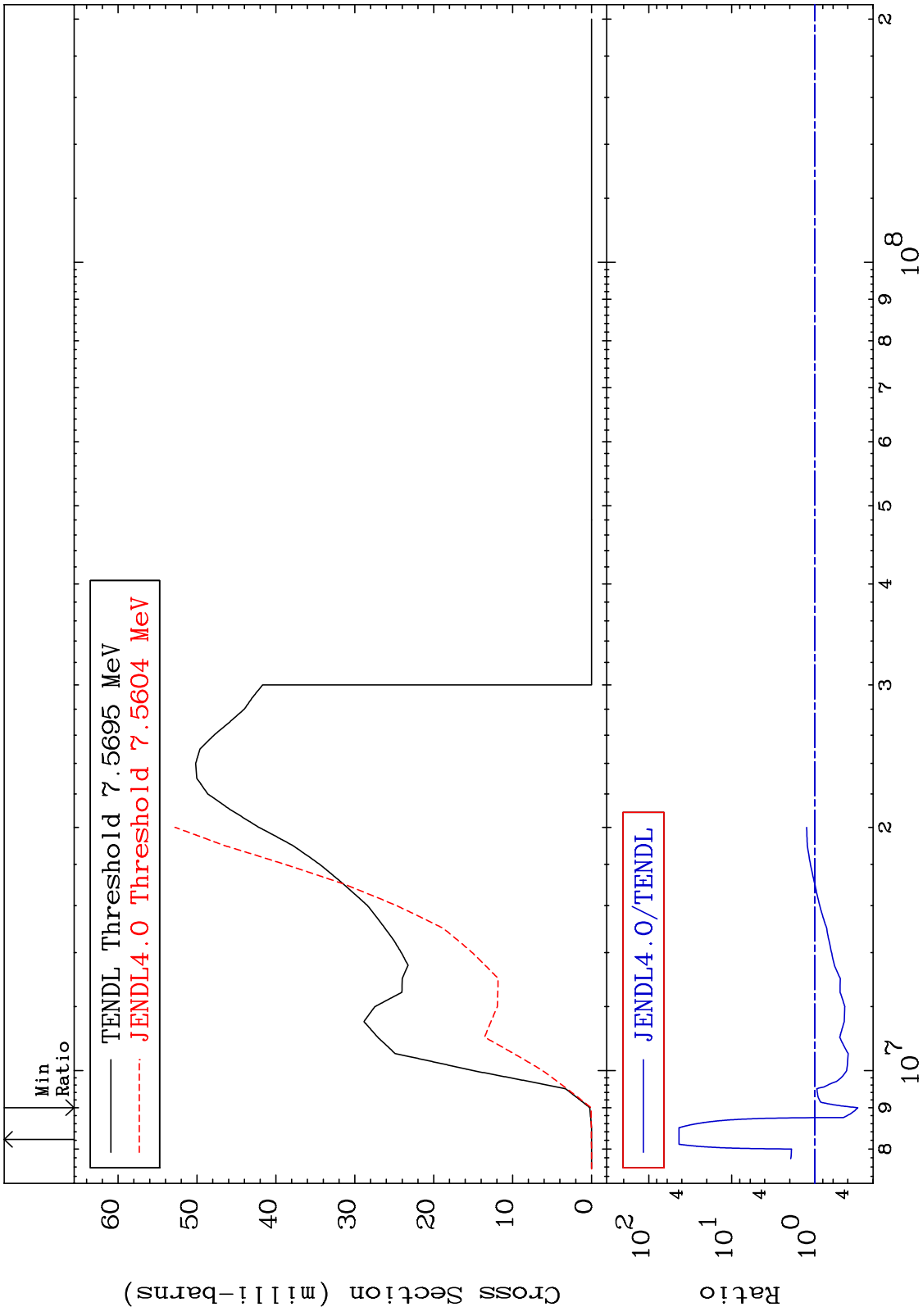


29-Cu-65

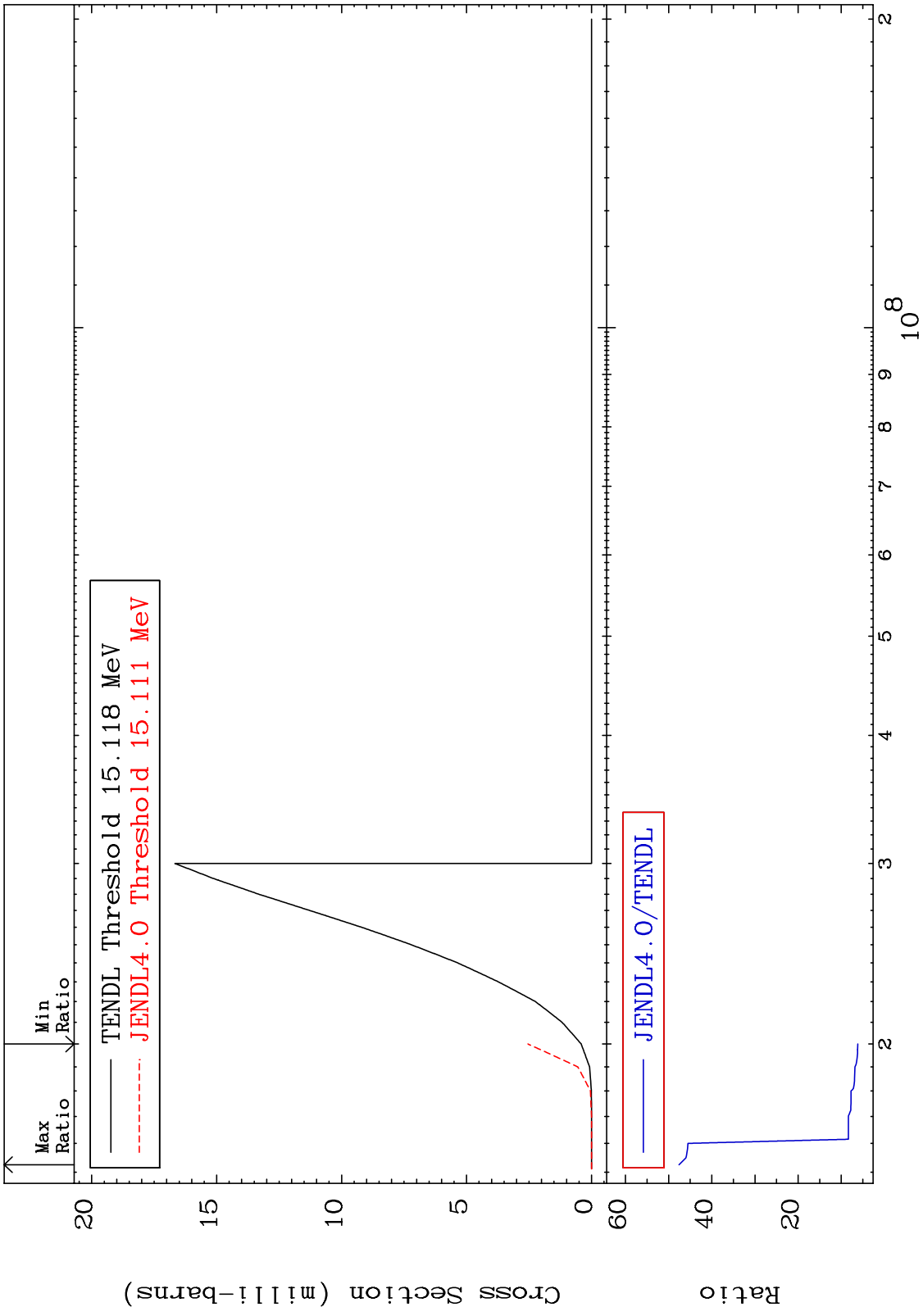
MAT 2931 $(n, n') \alpha$ 29-Cu-65
 Cross Section -25.15 To 9999. %



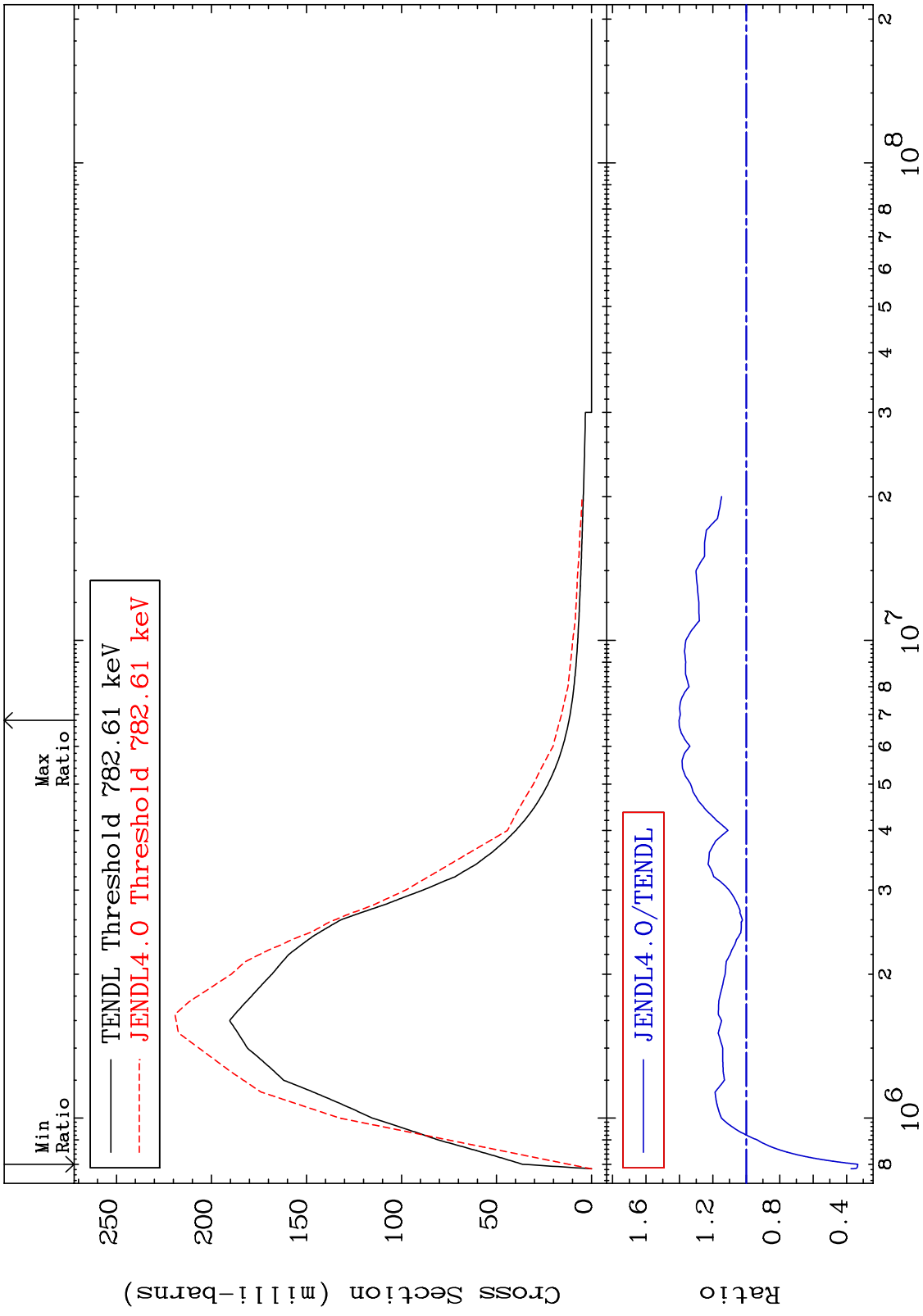
MAT 2931 (n,n') p 29-Cu-65
 Cross Section -69.73 To 4213. %



MAT 2931 (n,n') d 29-Cu-65
 Cross Section 515.4 To 4659. %

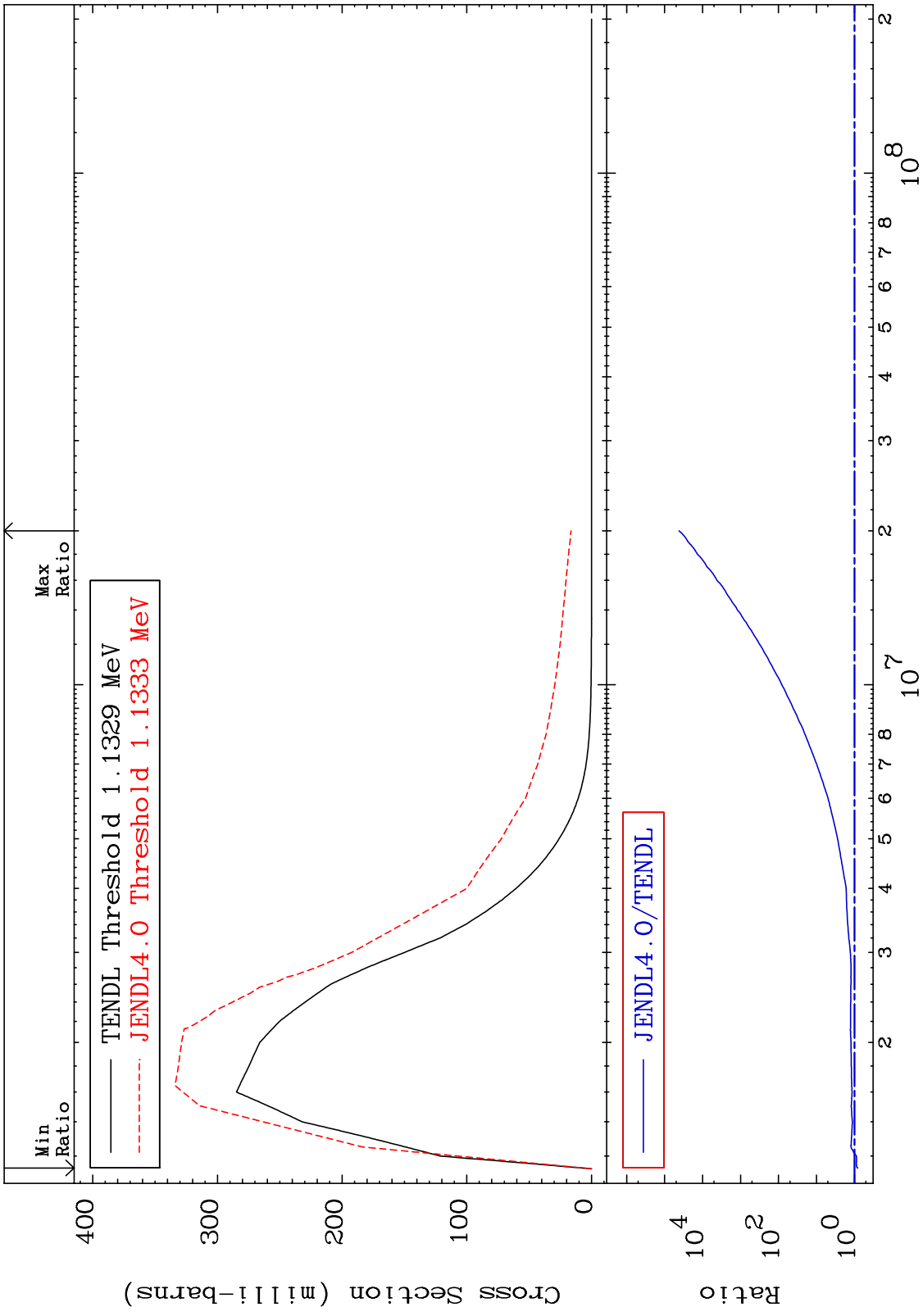


MAT 2931 MT= 51 (n,n') Level Cross Section -66.73 To 40.23 % 29-Cu-65

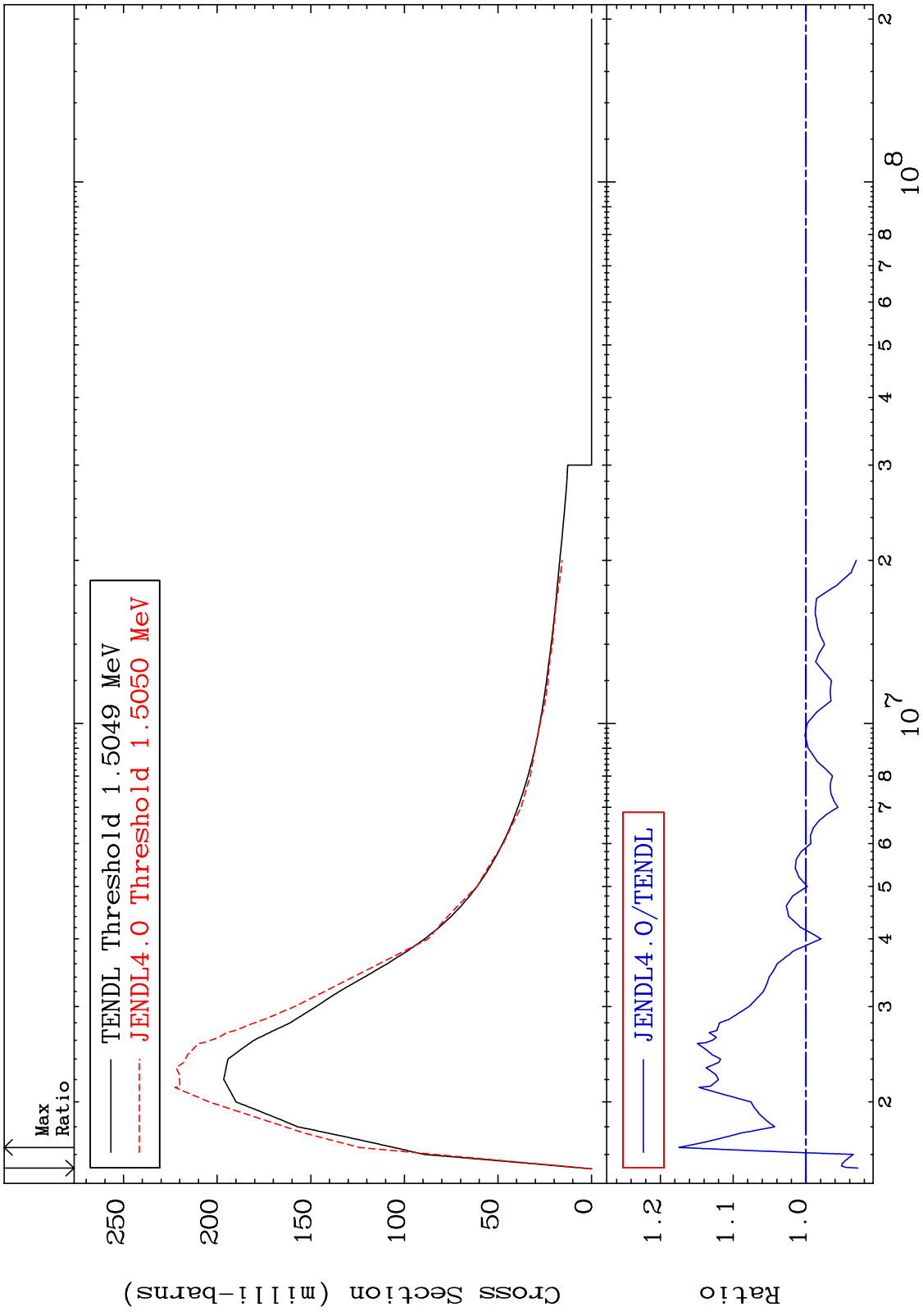


8 10⁶ 10⁷ 10⁸ Incident Energy (eV) 29-Cu-65

MAT 2931 MT= 52 (n,n') Level Cross Section -18.69 To 9999. % 29-Cu-65

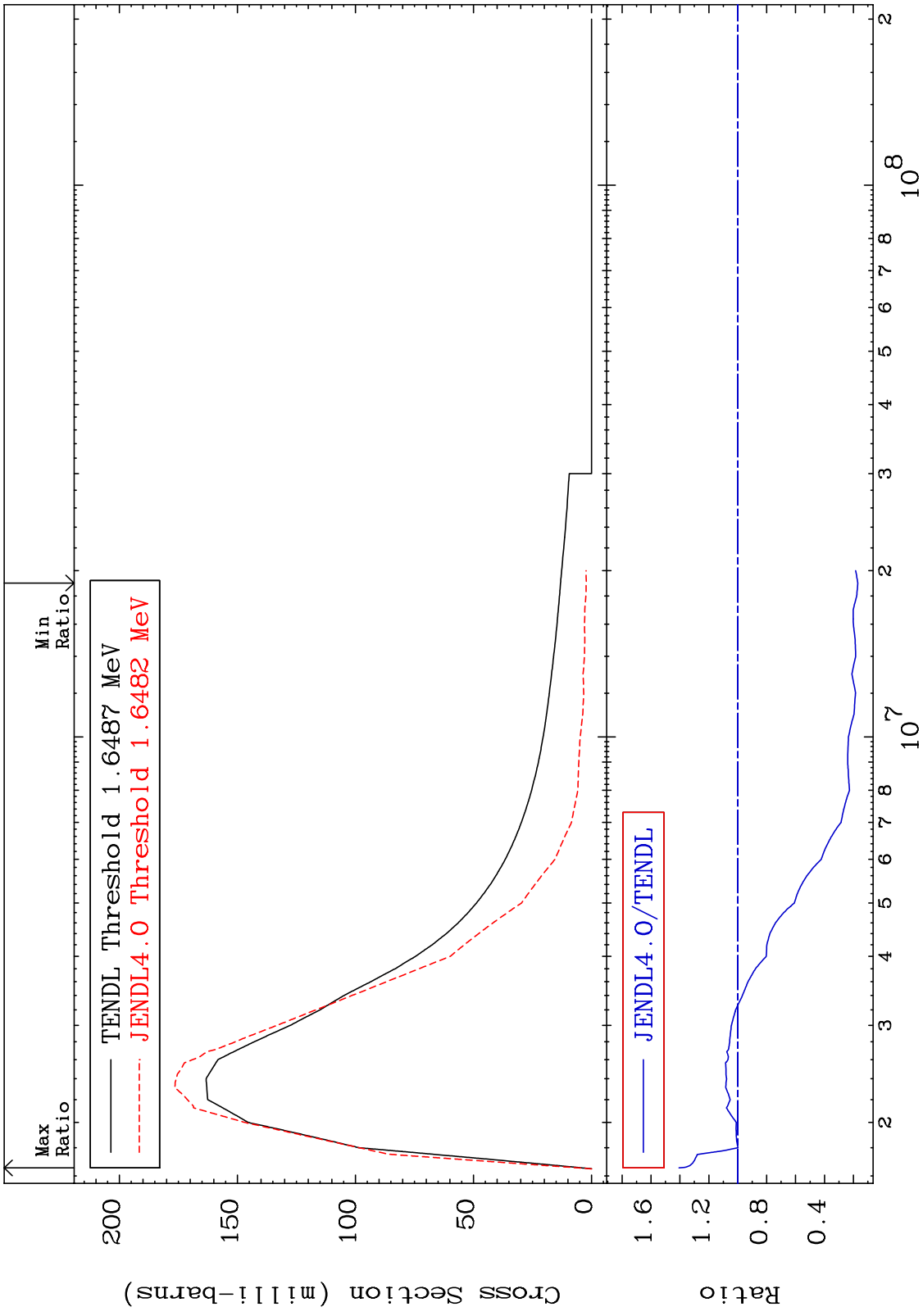


MAT 2931 MT= 53 (n,n') Level Cross Section -7.120 To 17.43 % 29-Cu-65

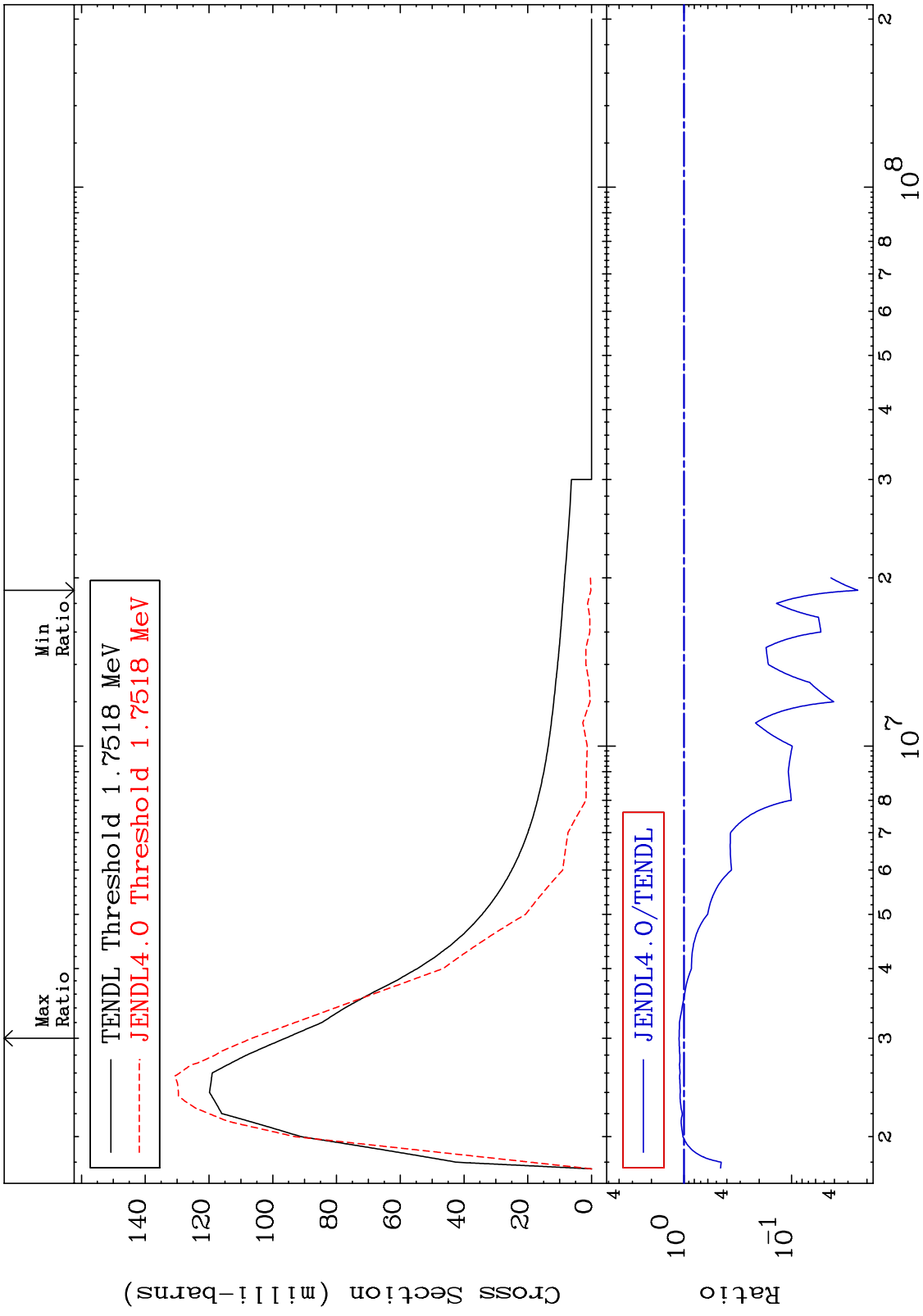


10 Incident Energy (eV) 29-Cu-65

MAT 2931 MT= 54 (n,n') Level Cross Section -83.05 To 40.61 % 29-Cu-65

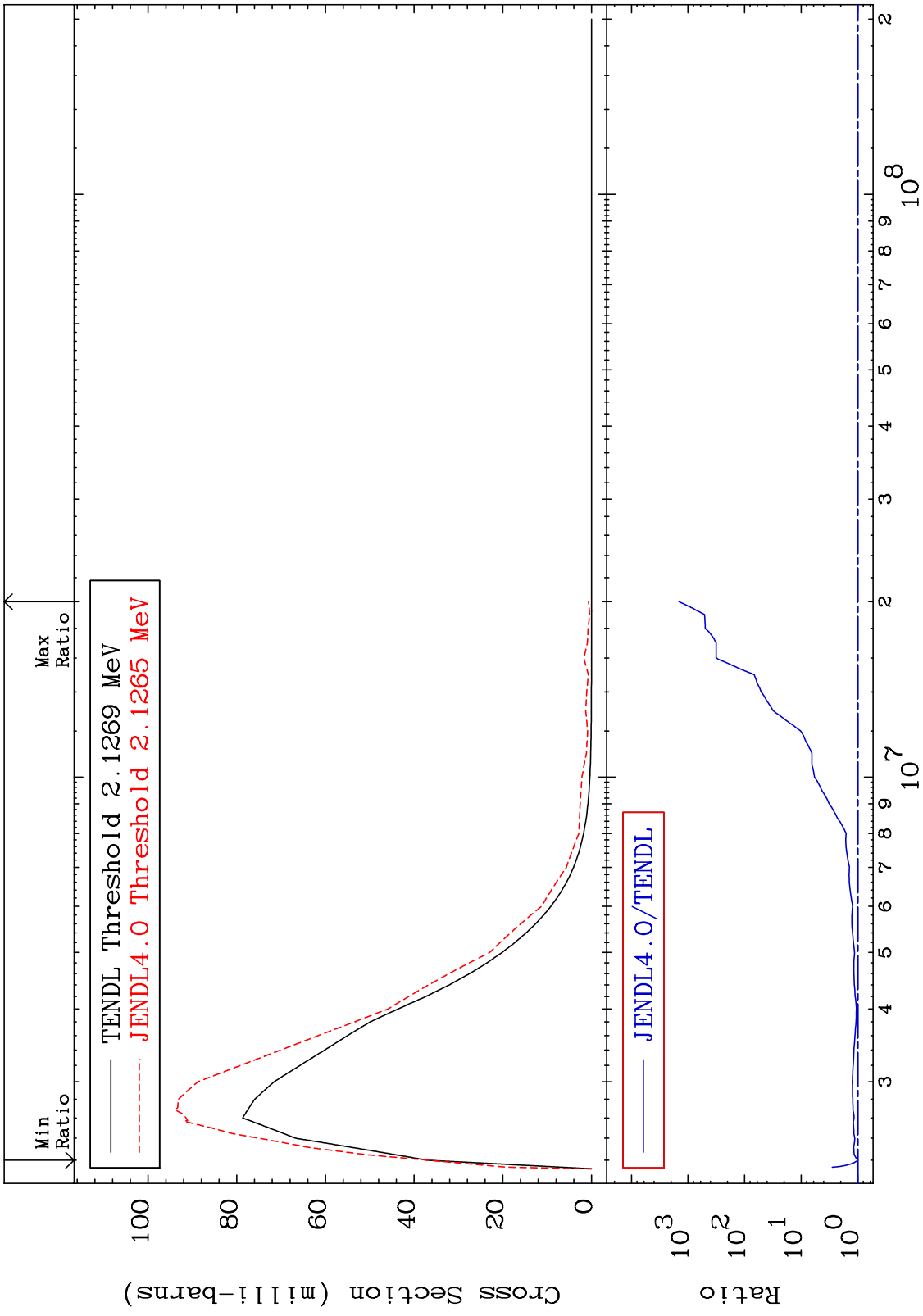


MAT 2931 MT= 55 (n,n') Level Cross Section -97.57 To 10.94 % 29-Cu-65

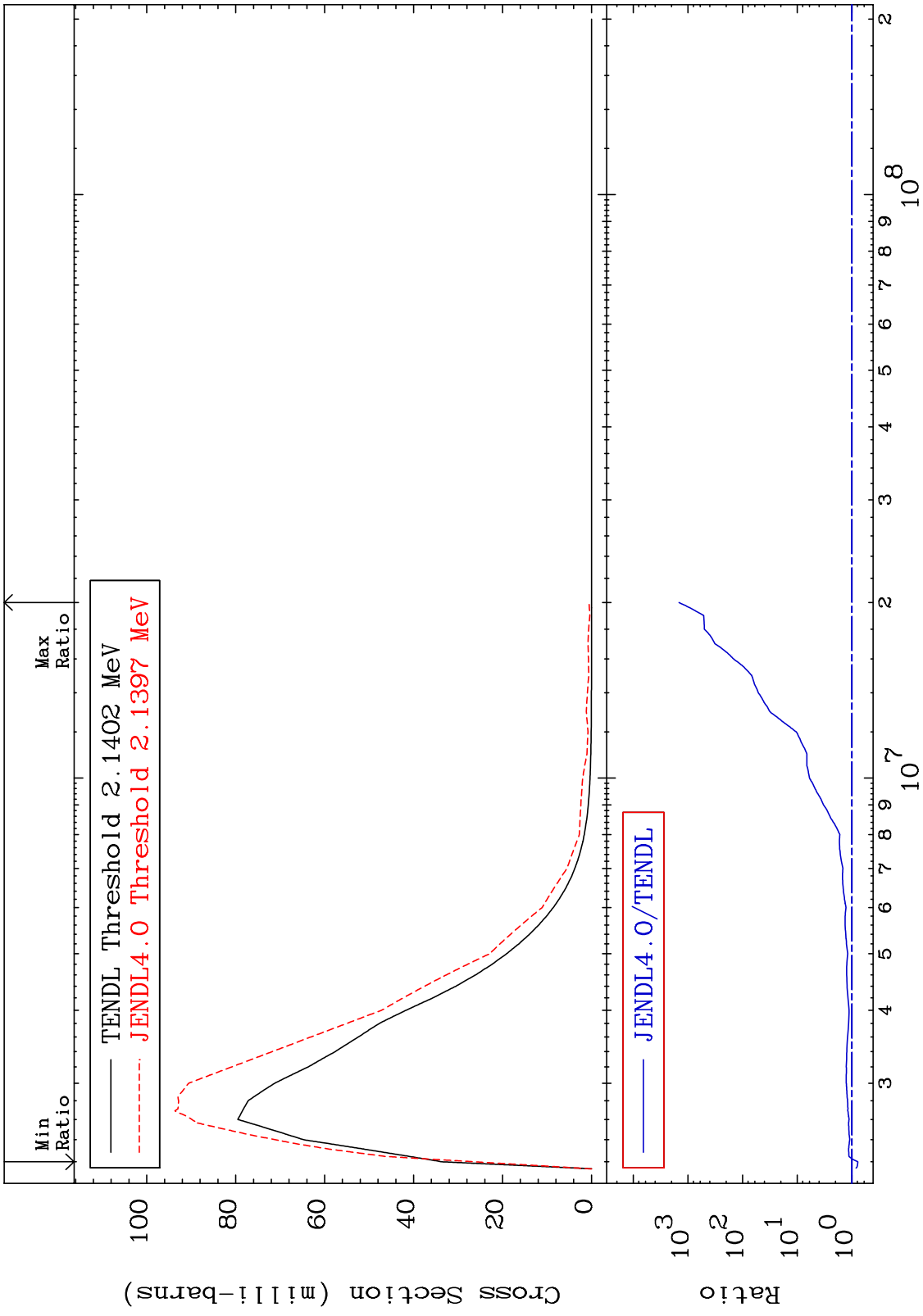


12 Incident Energy (eV) 29-Cu-65

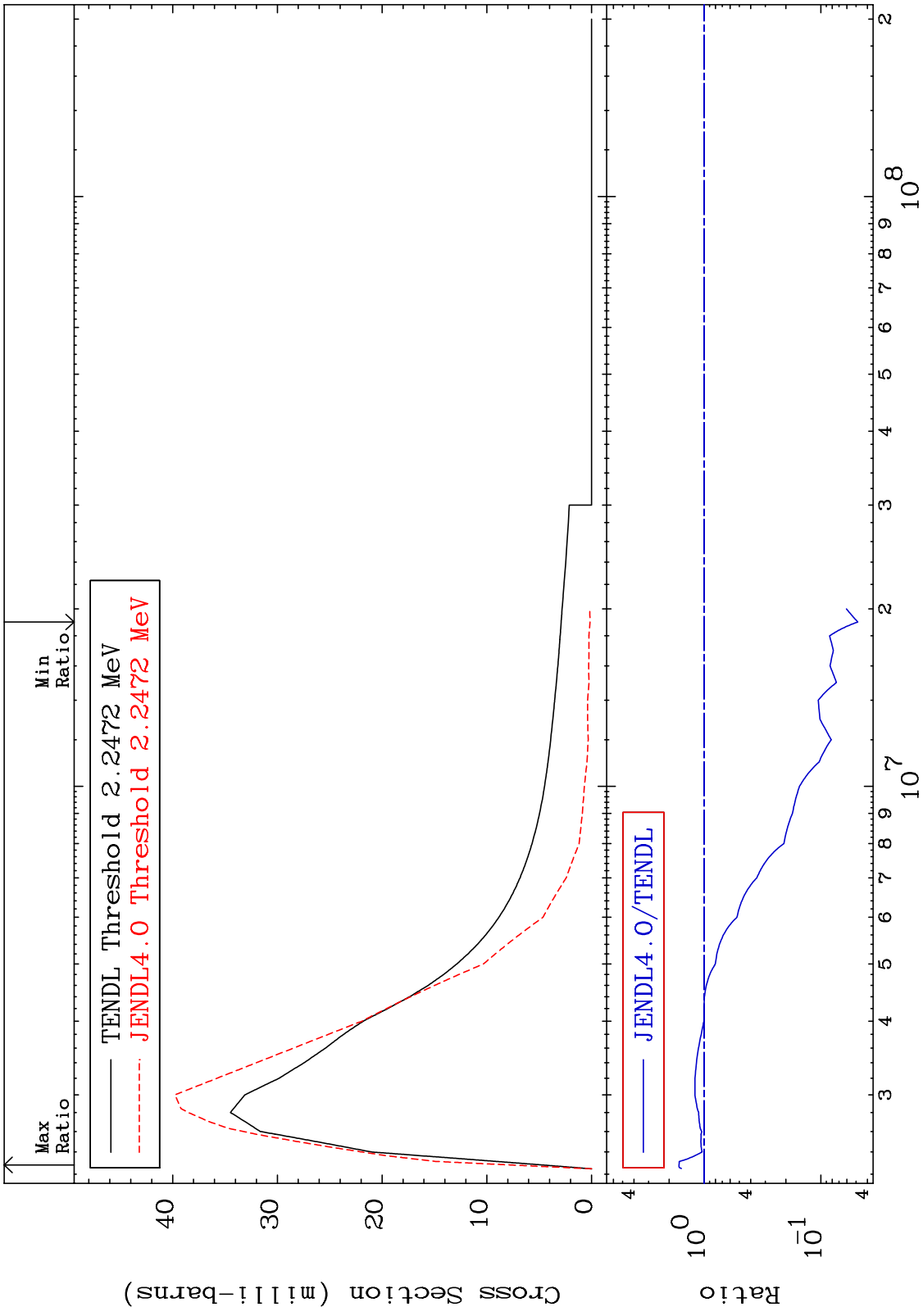
MAT 2931 MT= 56 (n,n') Level 29-Cu-65
 Cross Section -0.569 To 9999. %



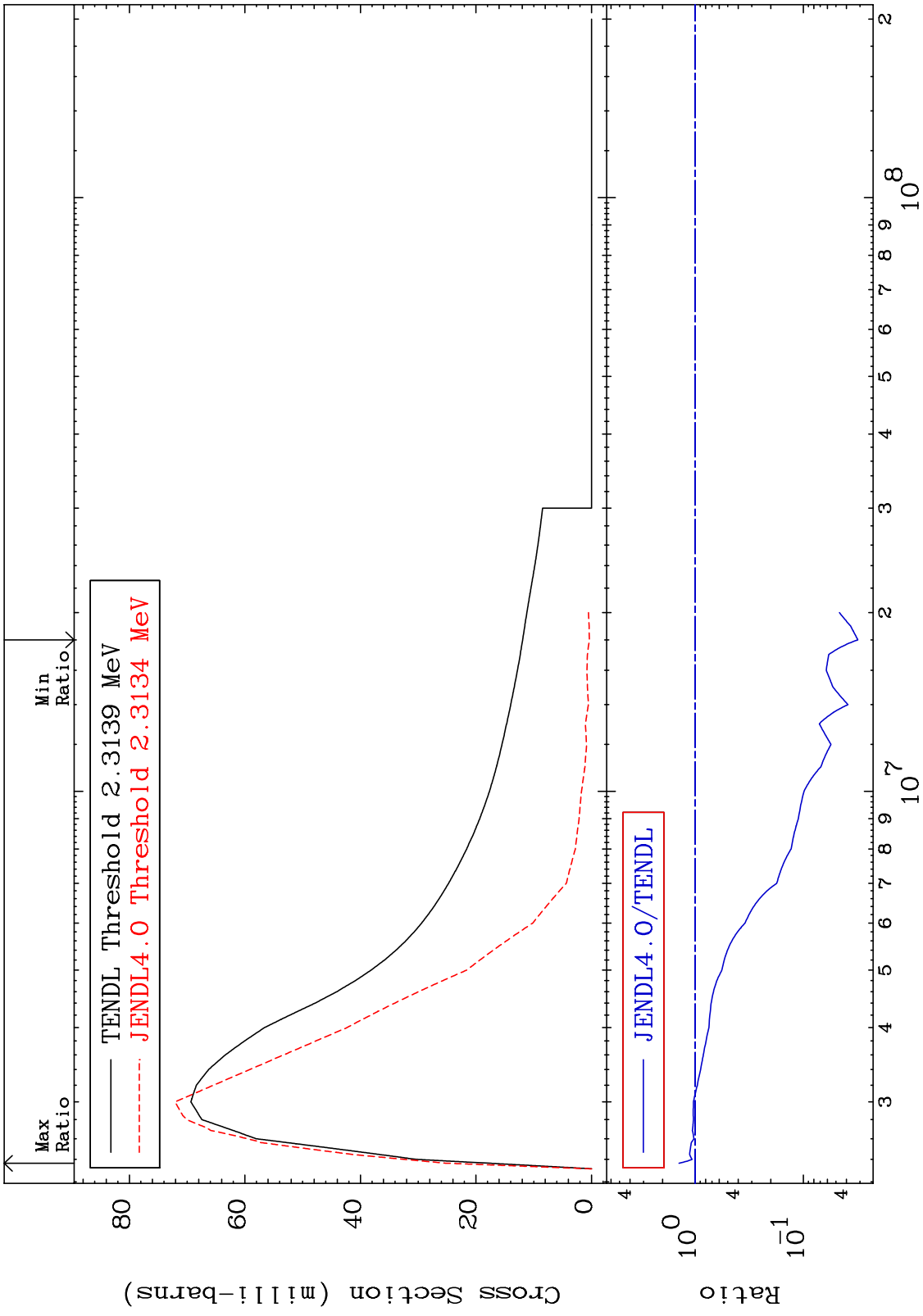
MAT 2931 MT= 57 (n,n') Level Cross Section 29-Cu-65
 -21.86 To 9999. %



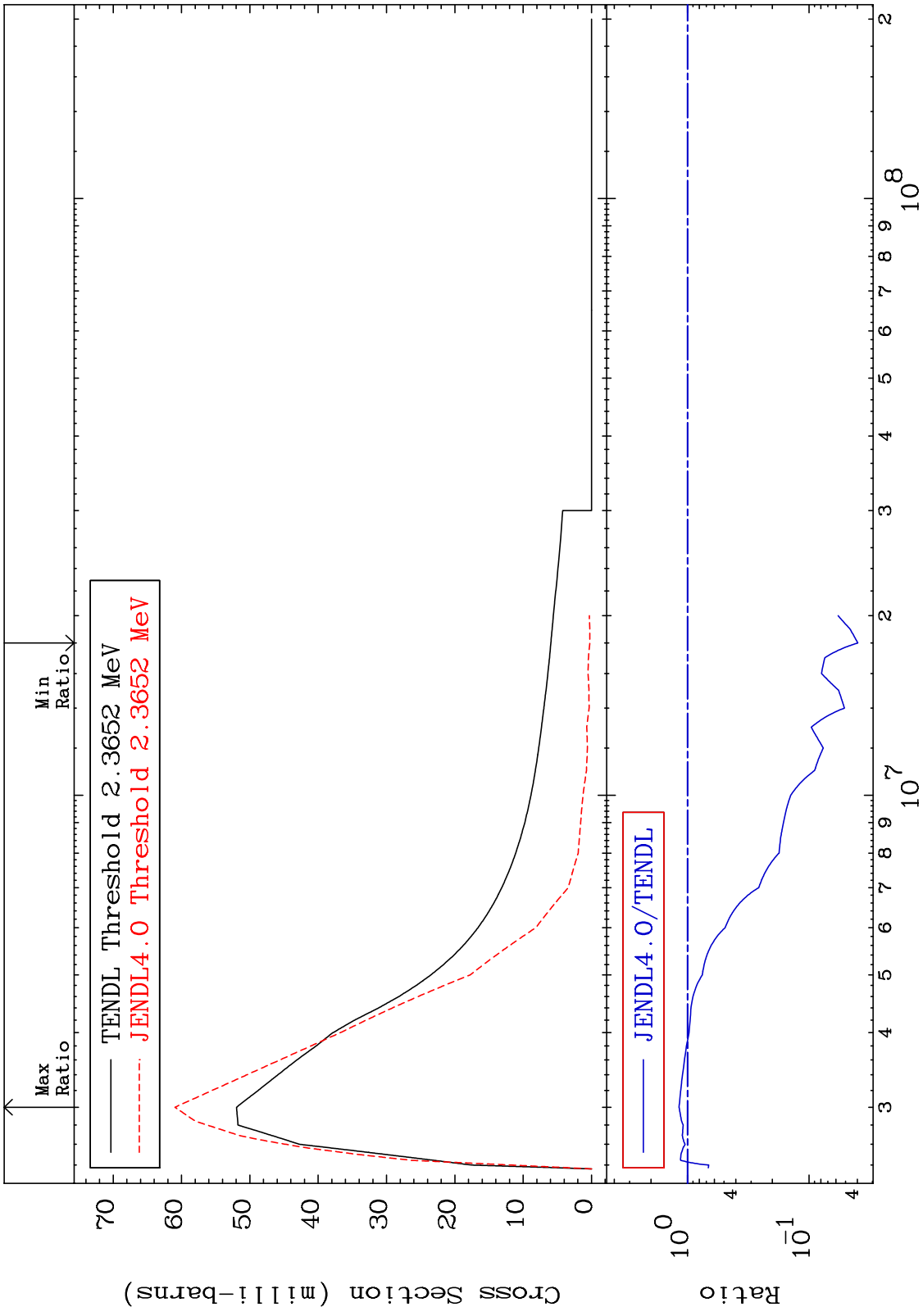
MAT 2931 MT= 58 (n,n') Level Cross Section -95.17 To 64.20 % 29-Cu-65



MAT 2931 MT= 59 (n,n') Level Cross Section 29-Cu-65
 -96.86 To 40.95 %



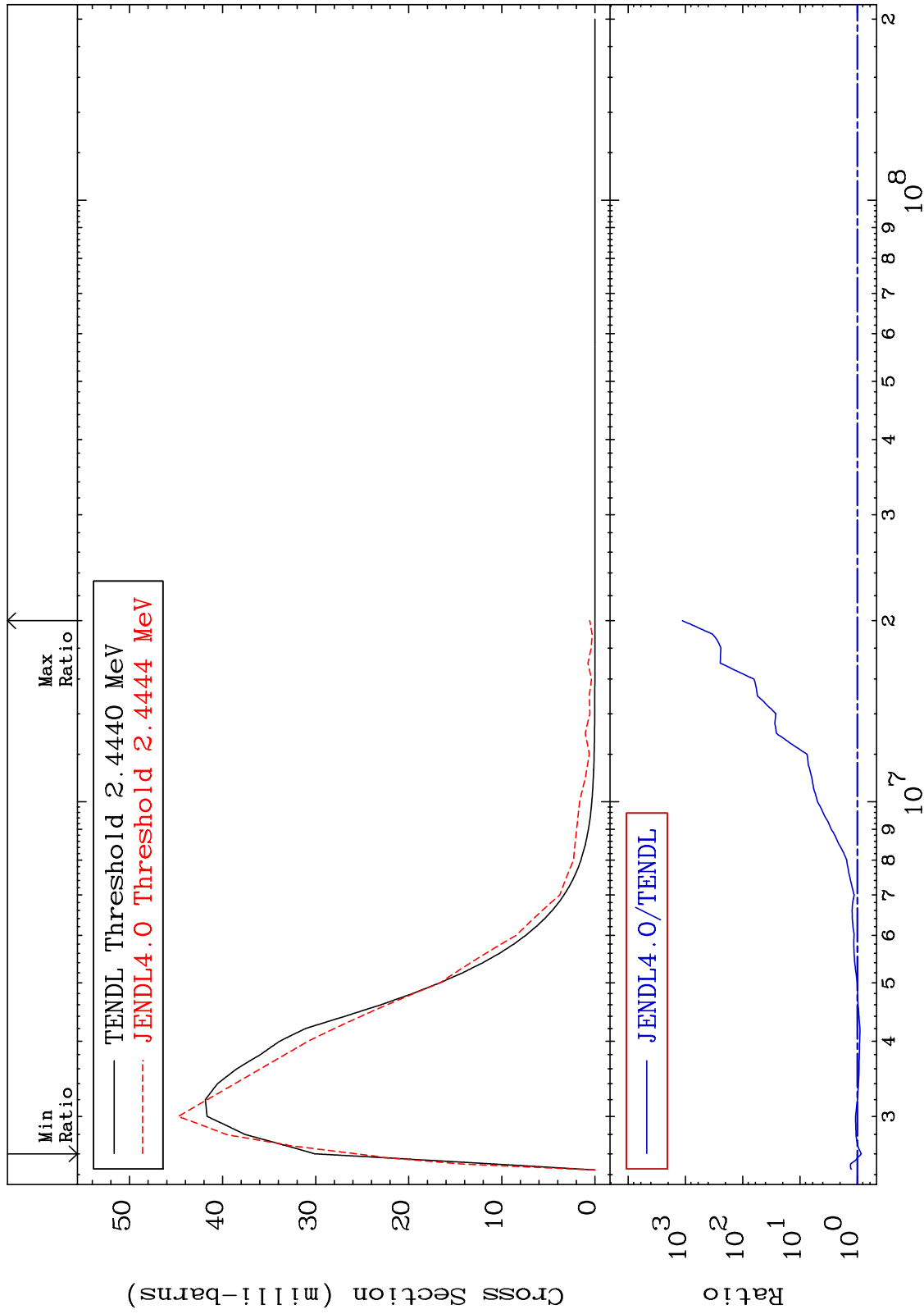
MAT 2931 MT= 60 (n,n') Level Cross Section 29-Cu-65
 -96.04 To 17.35 %



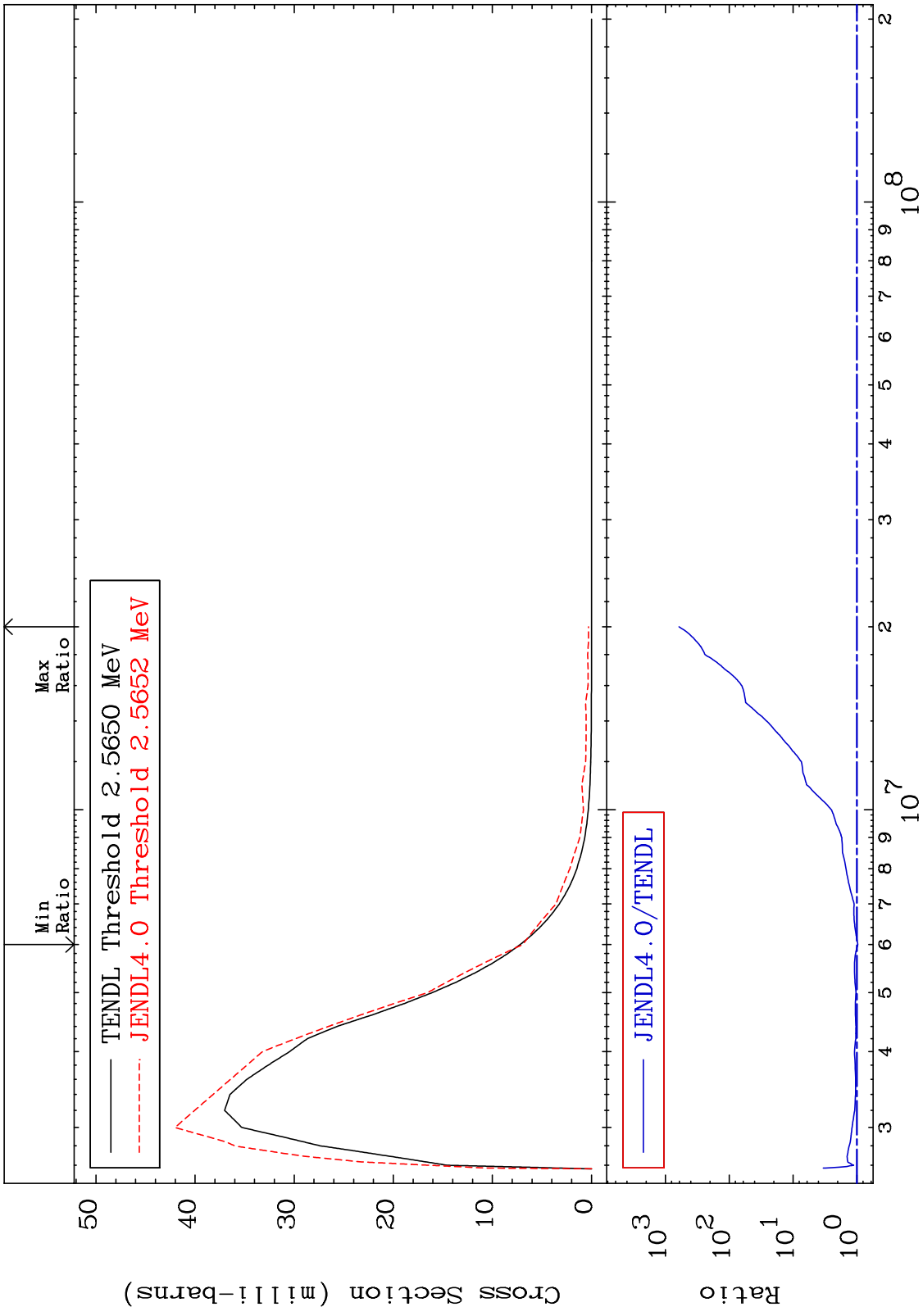
MAT 2931

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

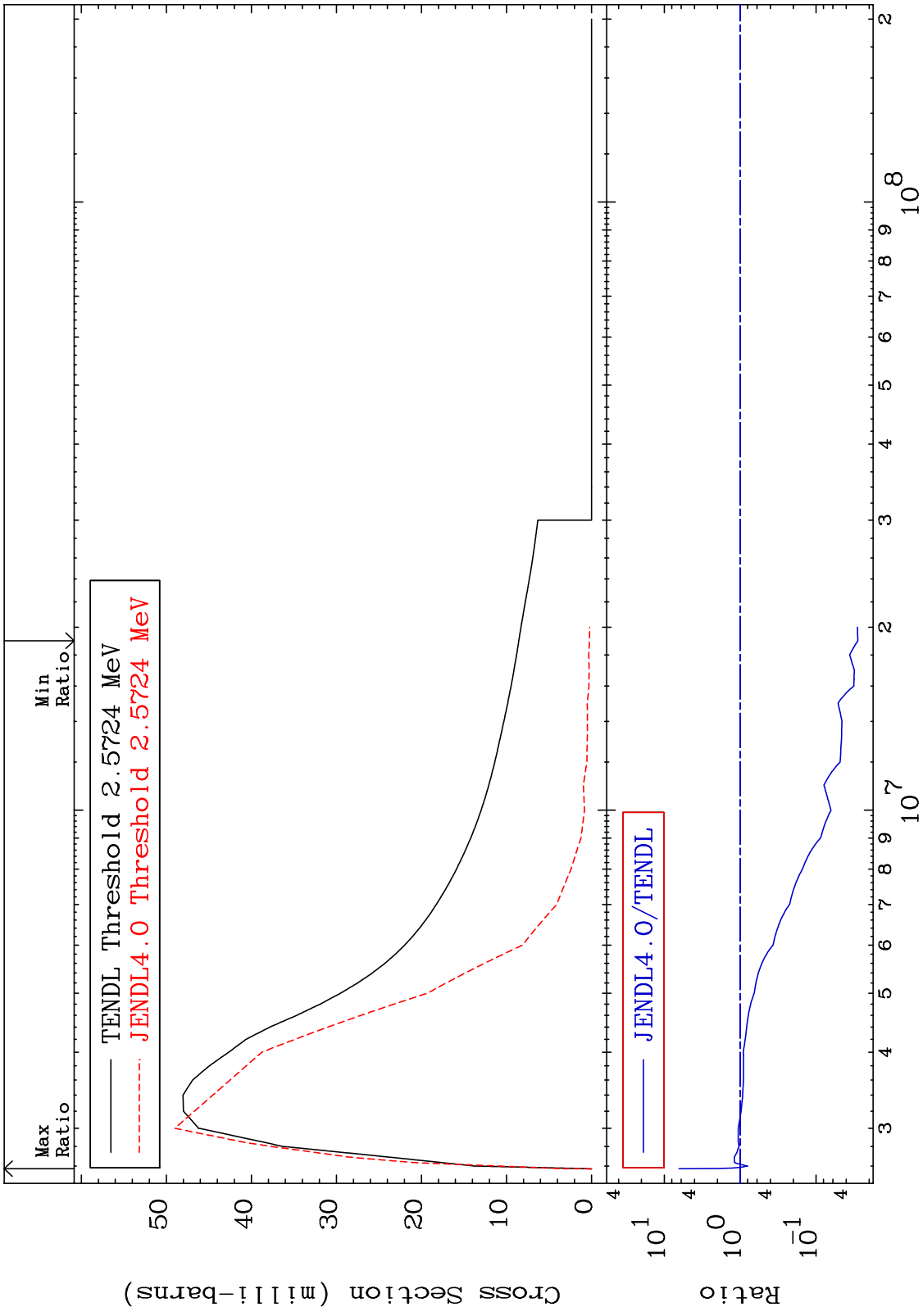
29-Cu-65
-14.77 To 9999. %



MAT 2931 MT= 62 (n,n') Level Cross Section -3.465 To 9999. % 29-Cu-65

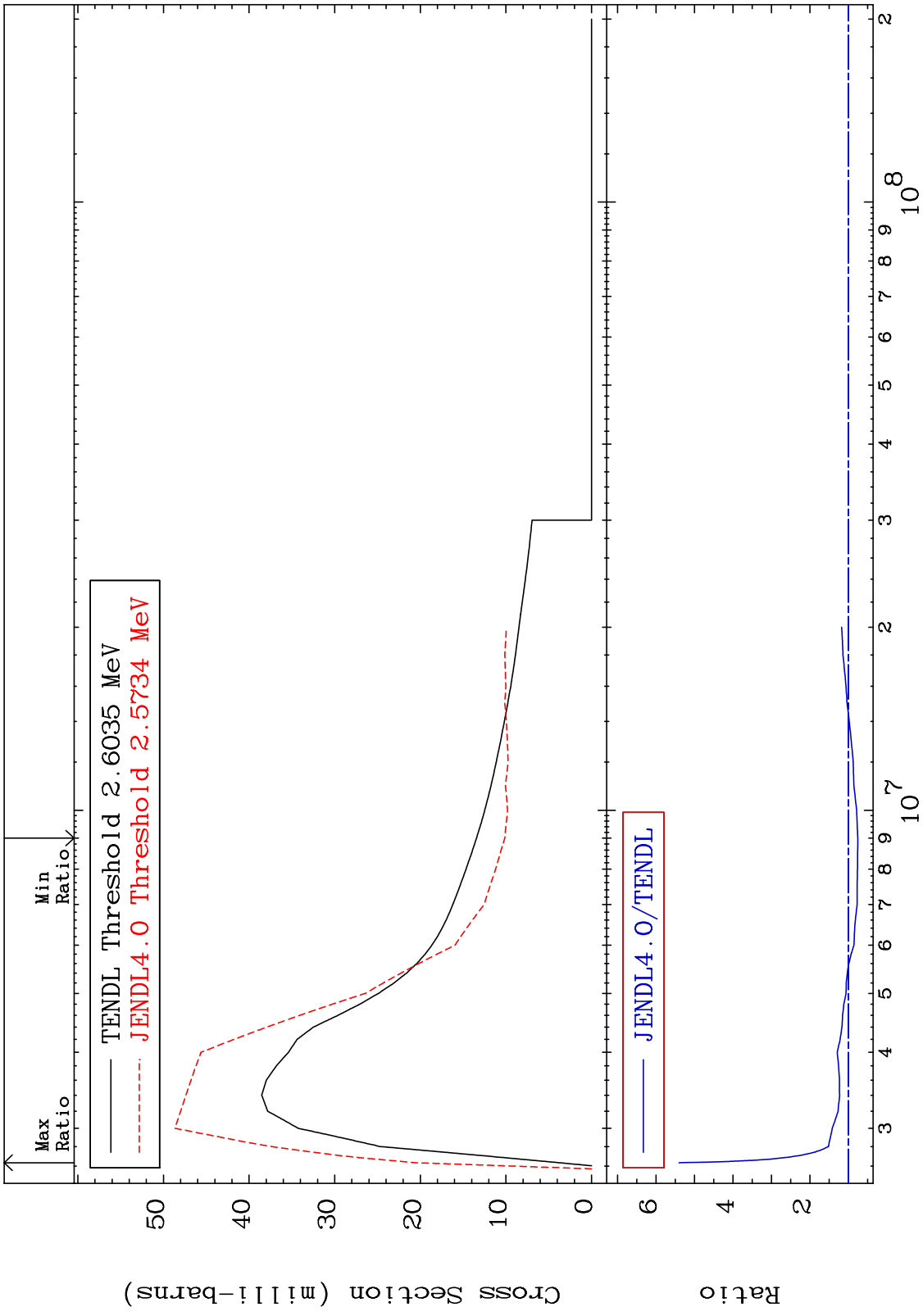


MAT 2931 MT= 63 (n,n') Level Cross Section -97.18 To 539.3 % 29-Cu-65

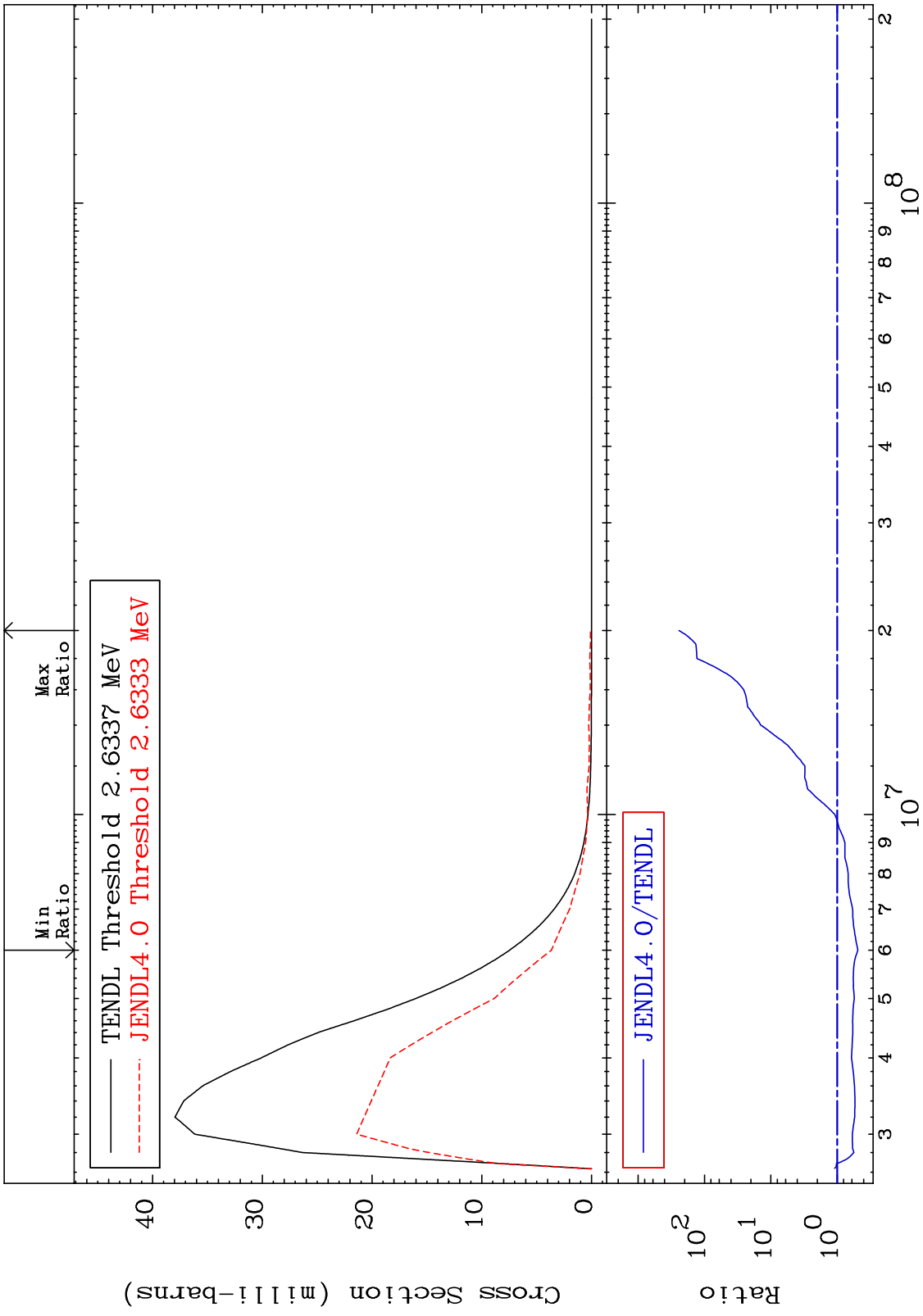


20 Incident Energy (eV) 29-Cu-65

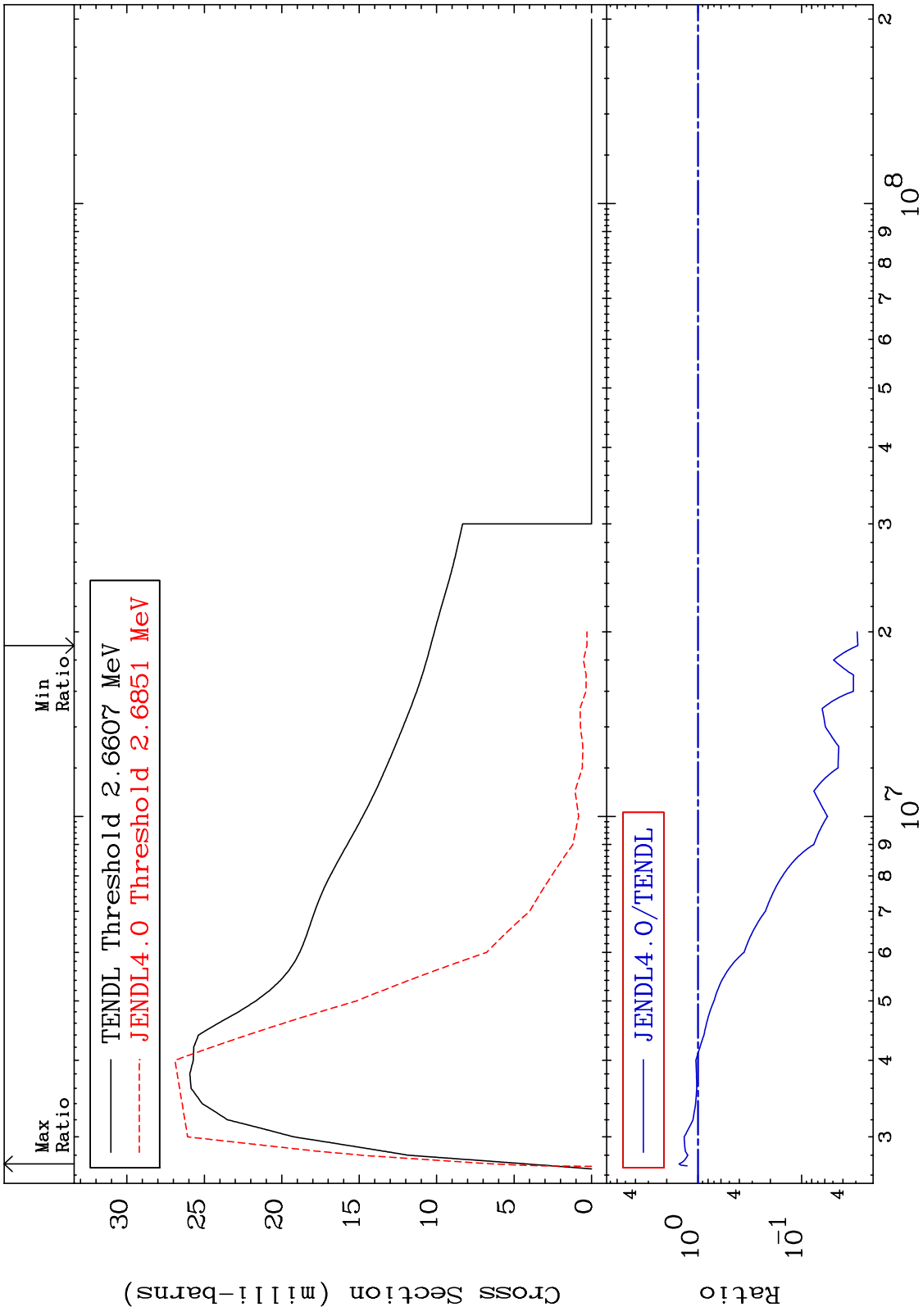
MAT 2931 MT= 64 (n,n') Level Cross Section -24.57 To 440.3 % 29-Cu-65



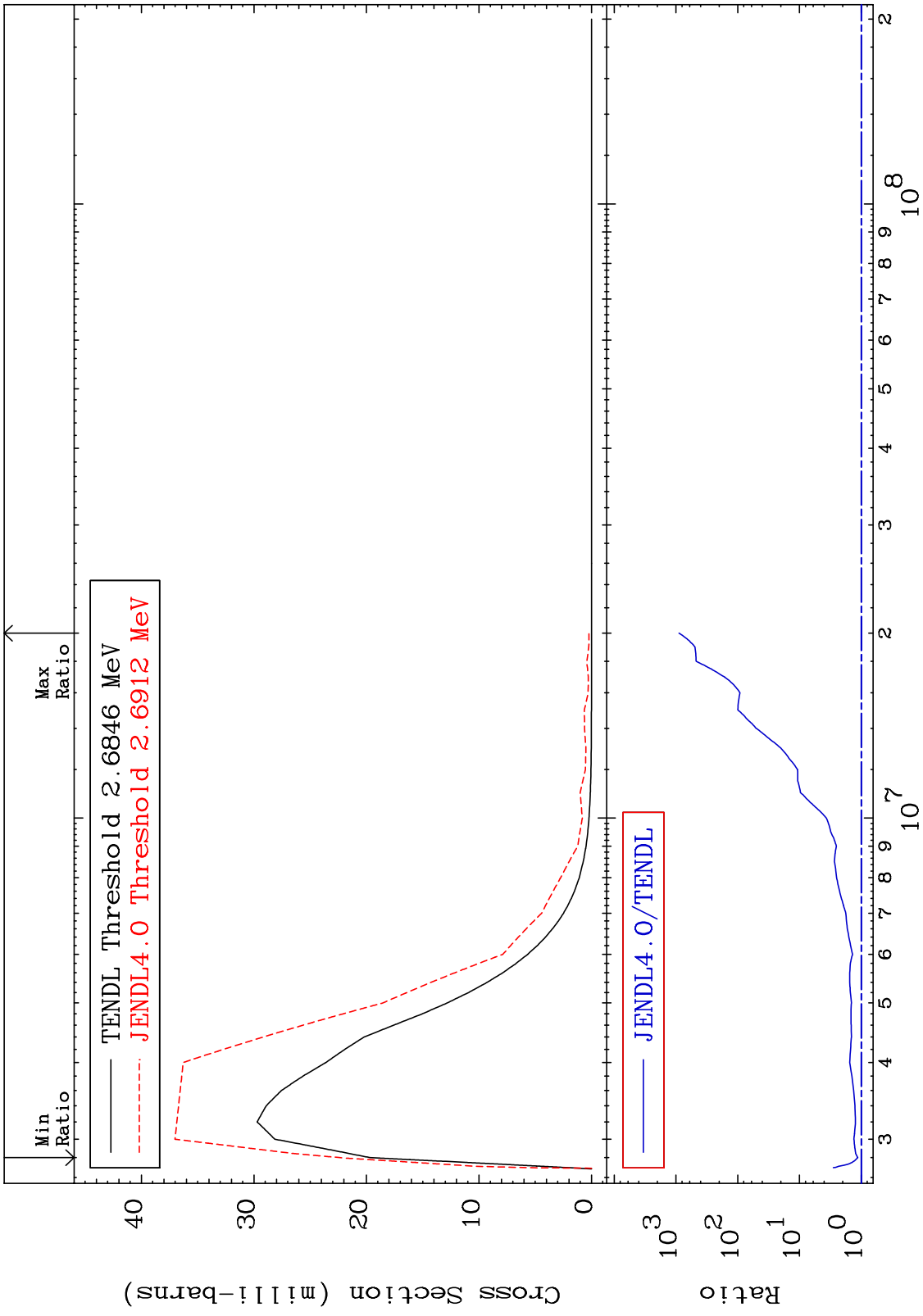
MAT 2931 MT= 65 (n,n') Level Cross Section -51.09 To 9999. % 29-Cu-65



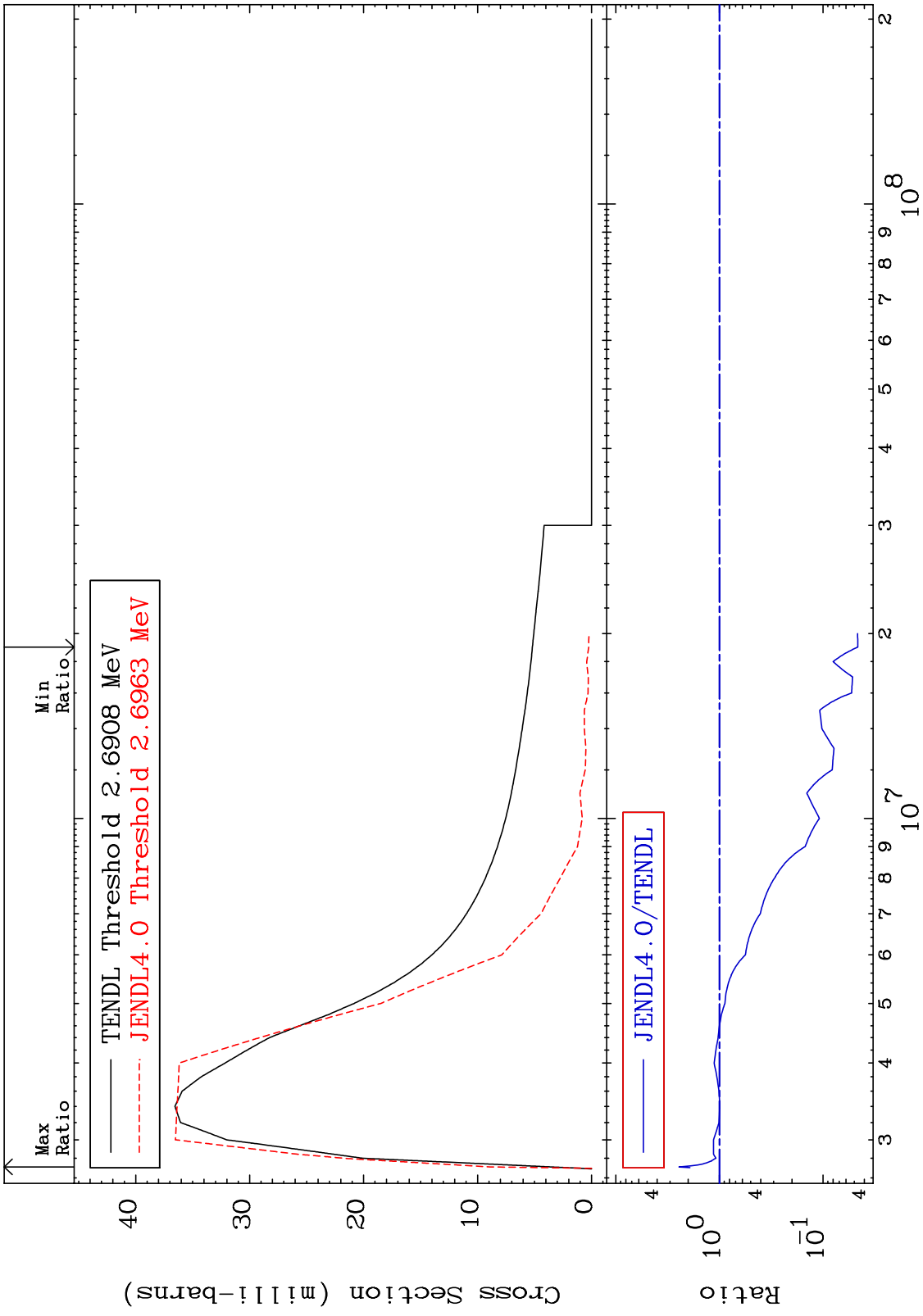
MAT 2931 MT= 66 (n,n') Level Cross Section -97.13 To 52.03 % 29-Cu-65



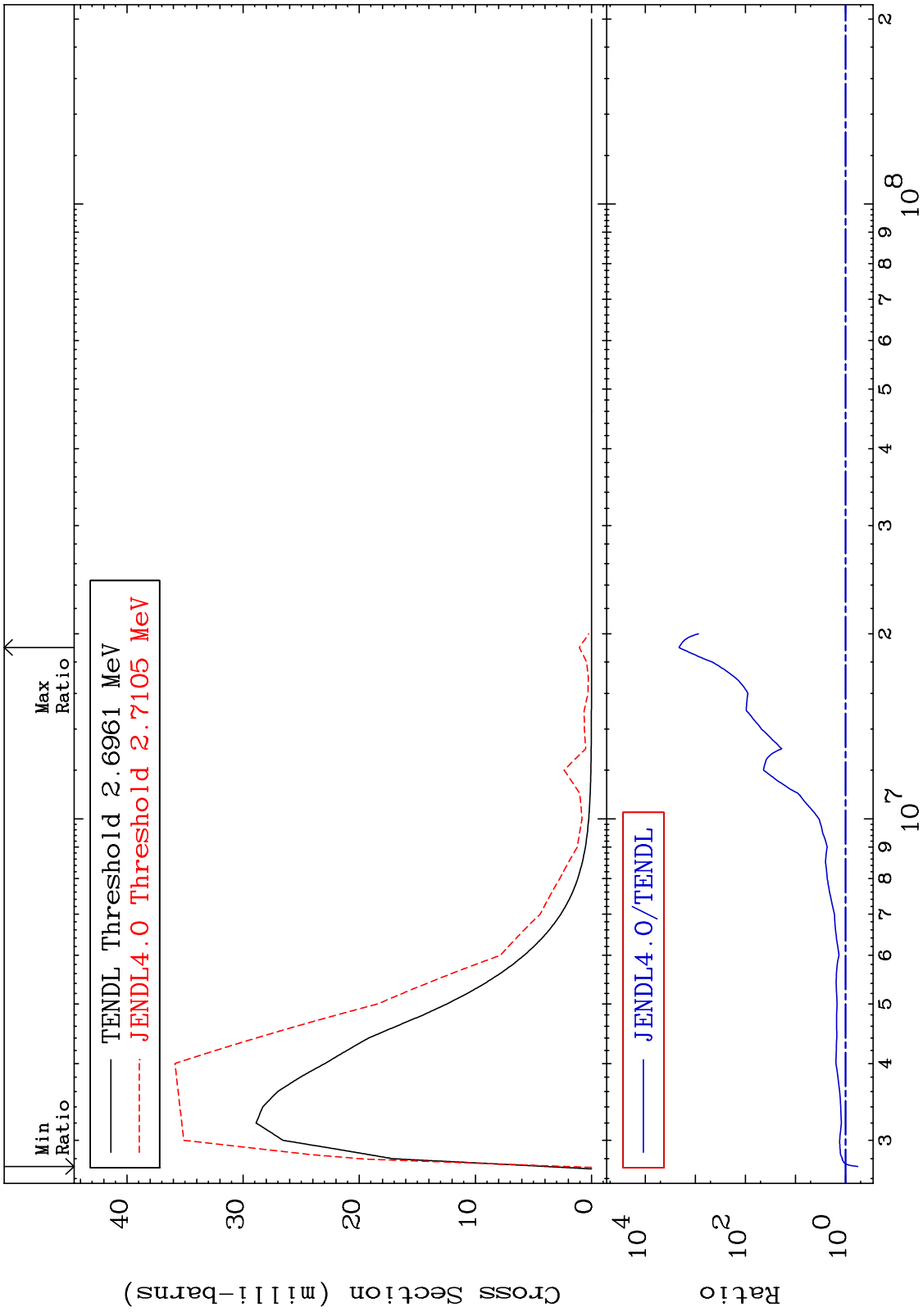
MAT 2931 MT= 67 (n,n') Level Cross Section 29-Cu-65
 13.61 To 9999. %



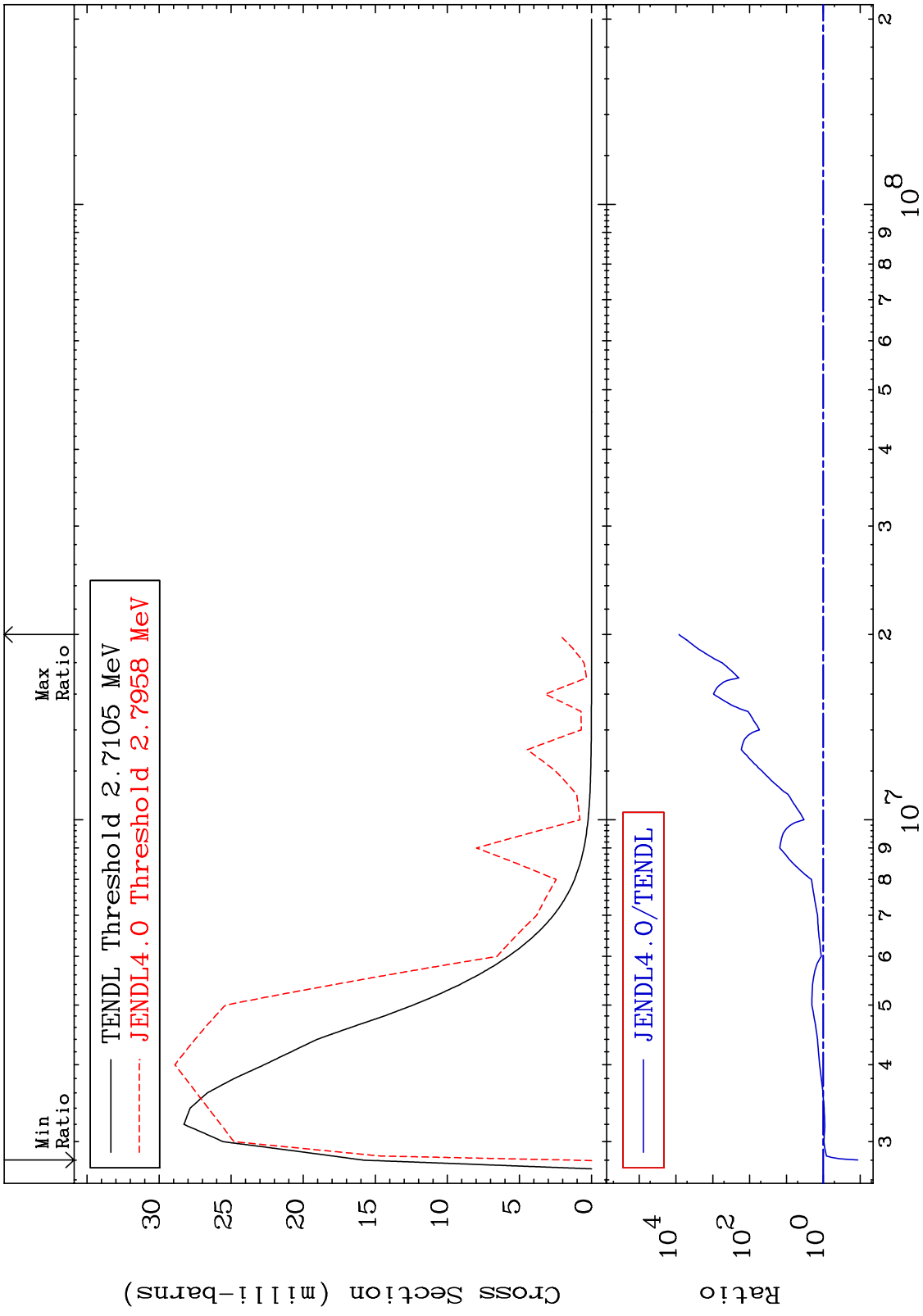
MAT 2931 MT= 68 (n,n') Level Cross Section 29-Cu-65
 -95.38 To 145.3 %



MAT 2931 MT= 69 (n,n') Level Cross Section -42.90 To 9999. % 29-Cu-65



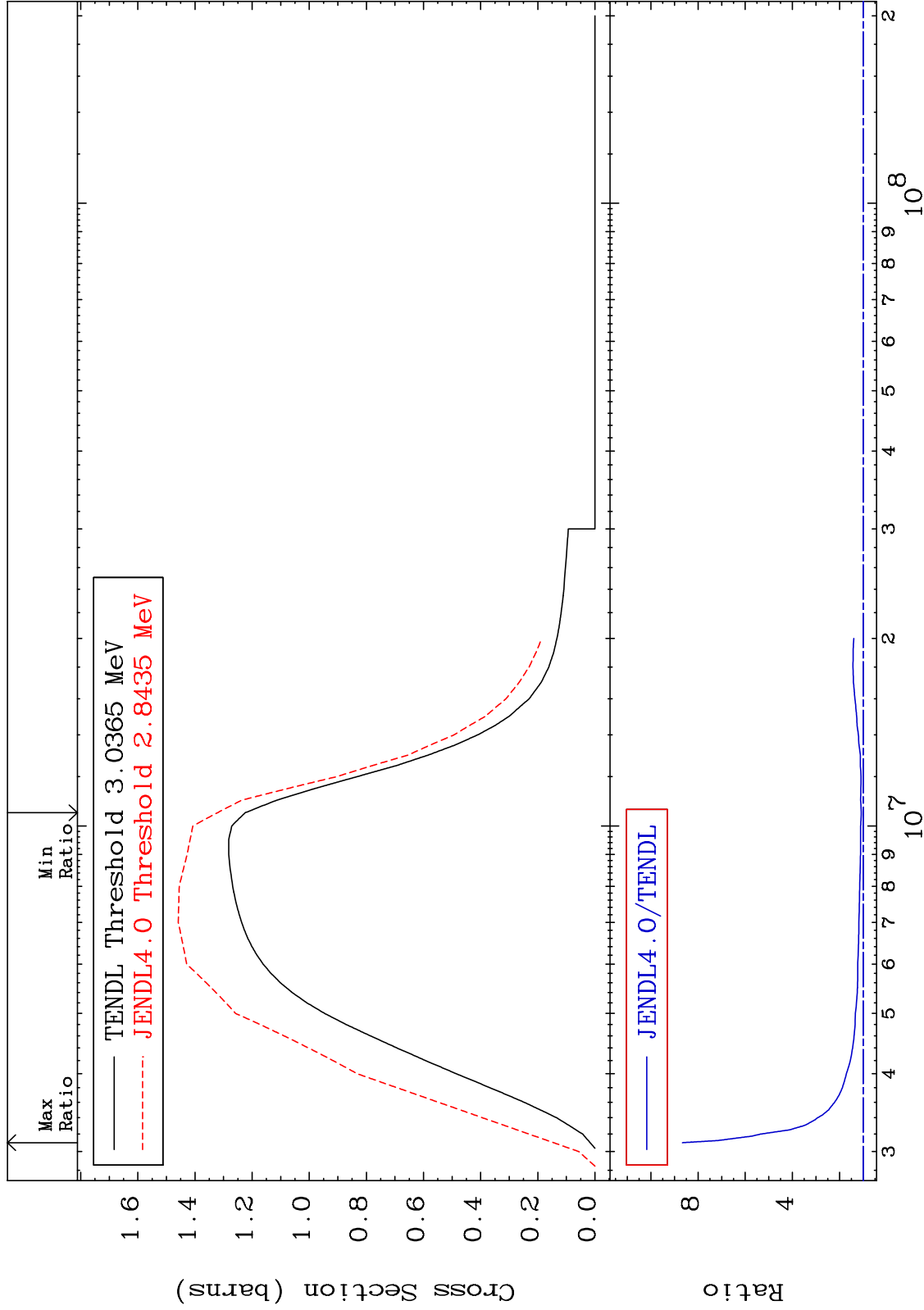
MAT 2931 MT= 70 (n,n') Level Cross Section 29-Cu-65
 -88.41 To 9999. %



MAT 2931

(n, n') Continuum
Cross Section

29-Cu-65
7.945 To 766.2 %



MAT 2931

(n, γ)

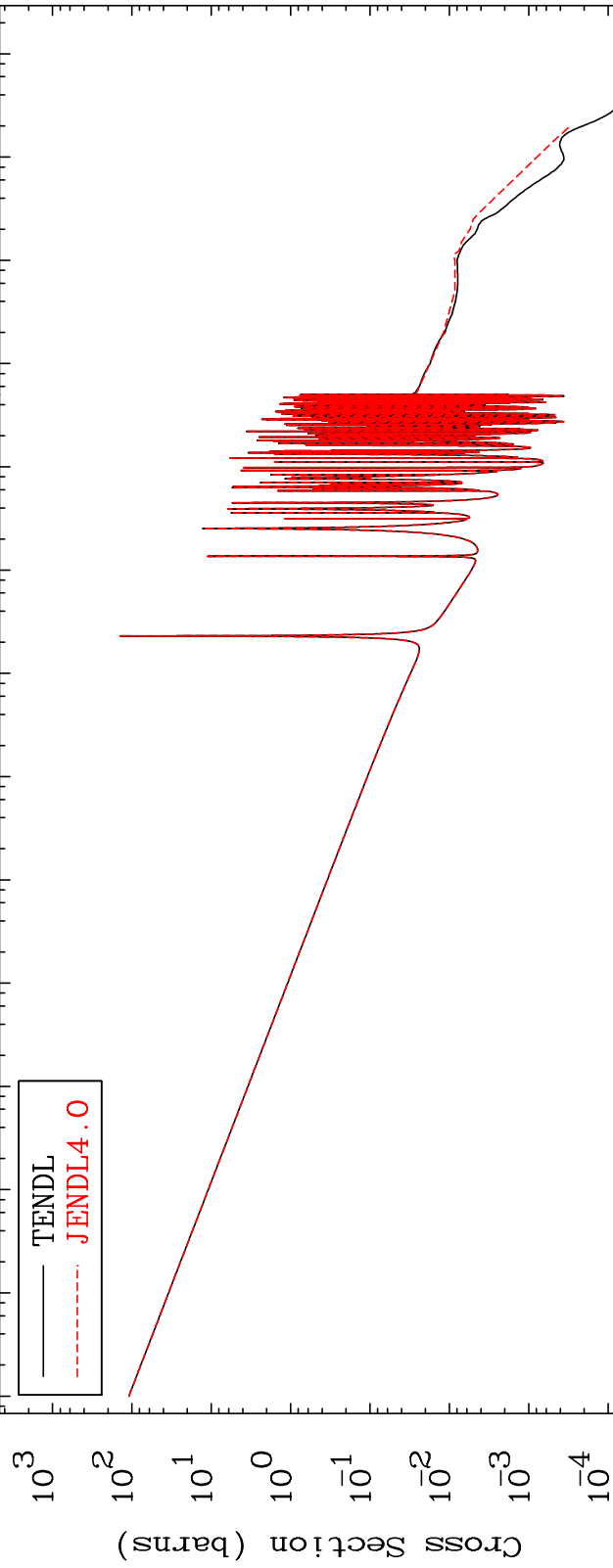
29-Cu-65

Cross Section

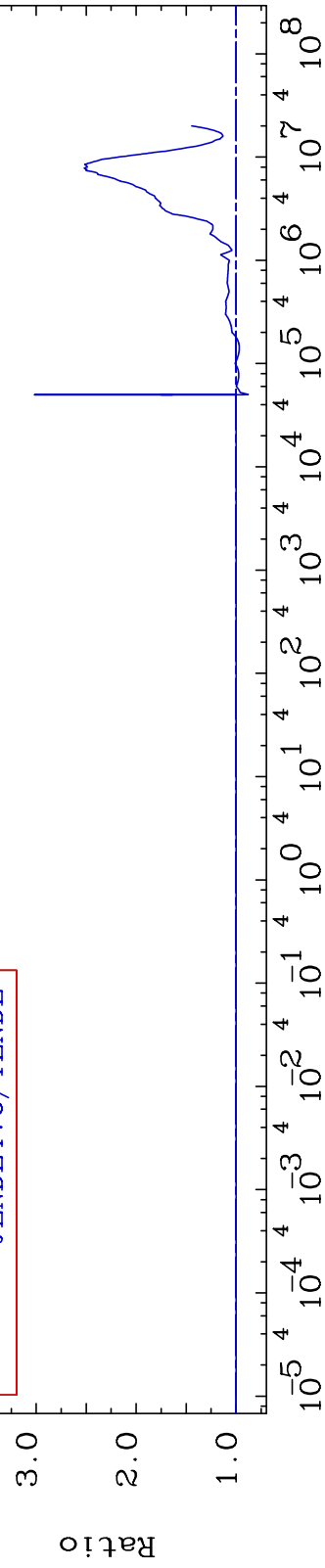
-12.07 To 201.6 %

Max Ratio

Min Ratio



JENDL4.0/TENDL

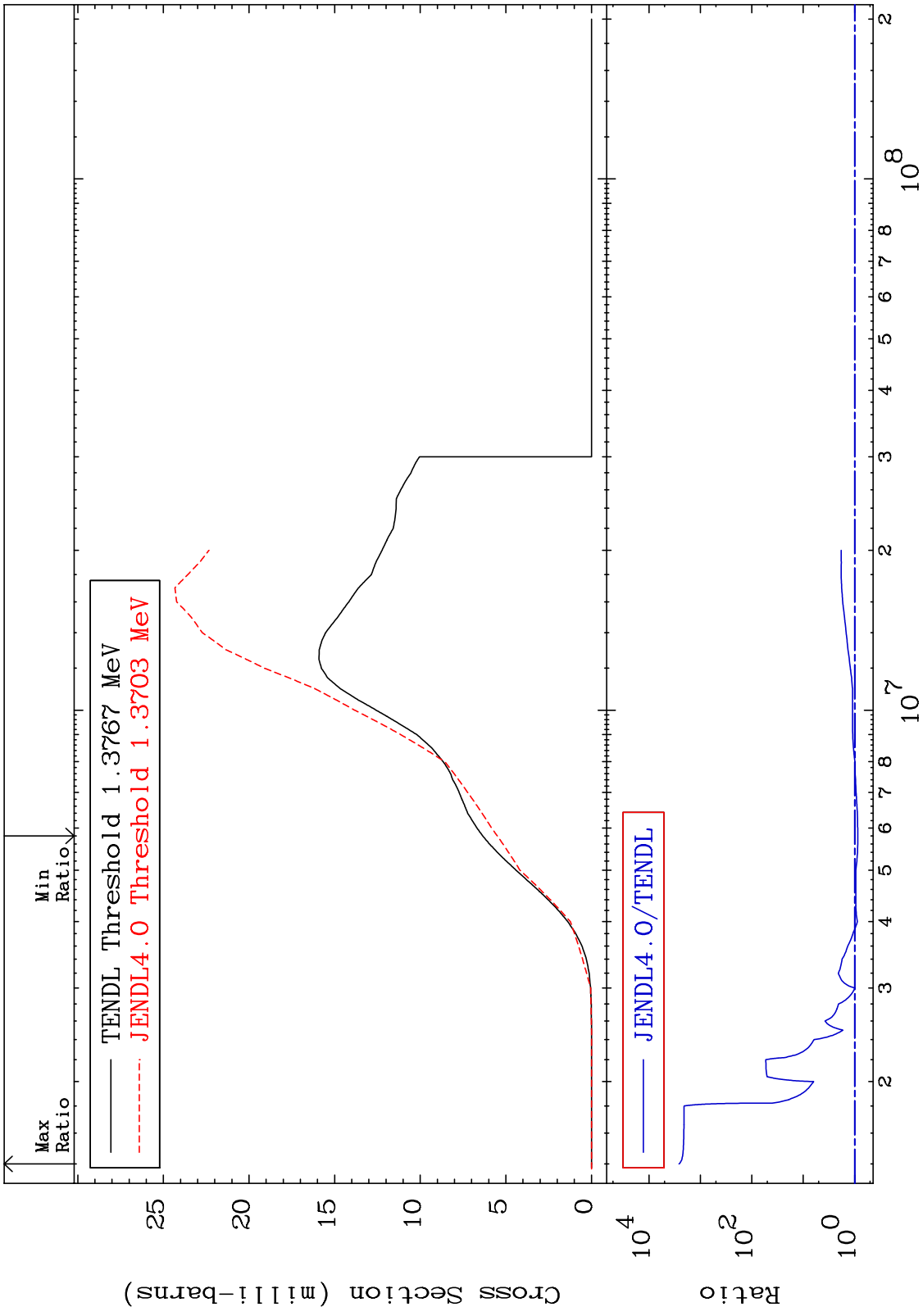


29

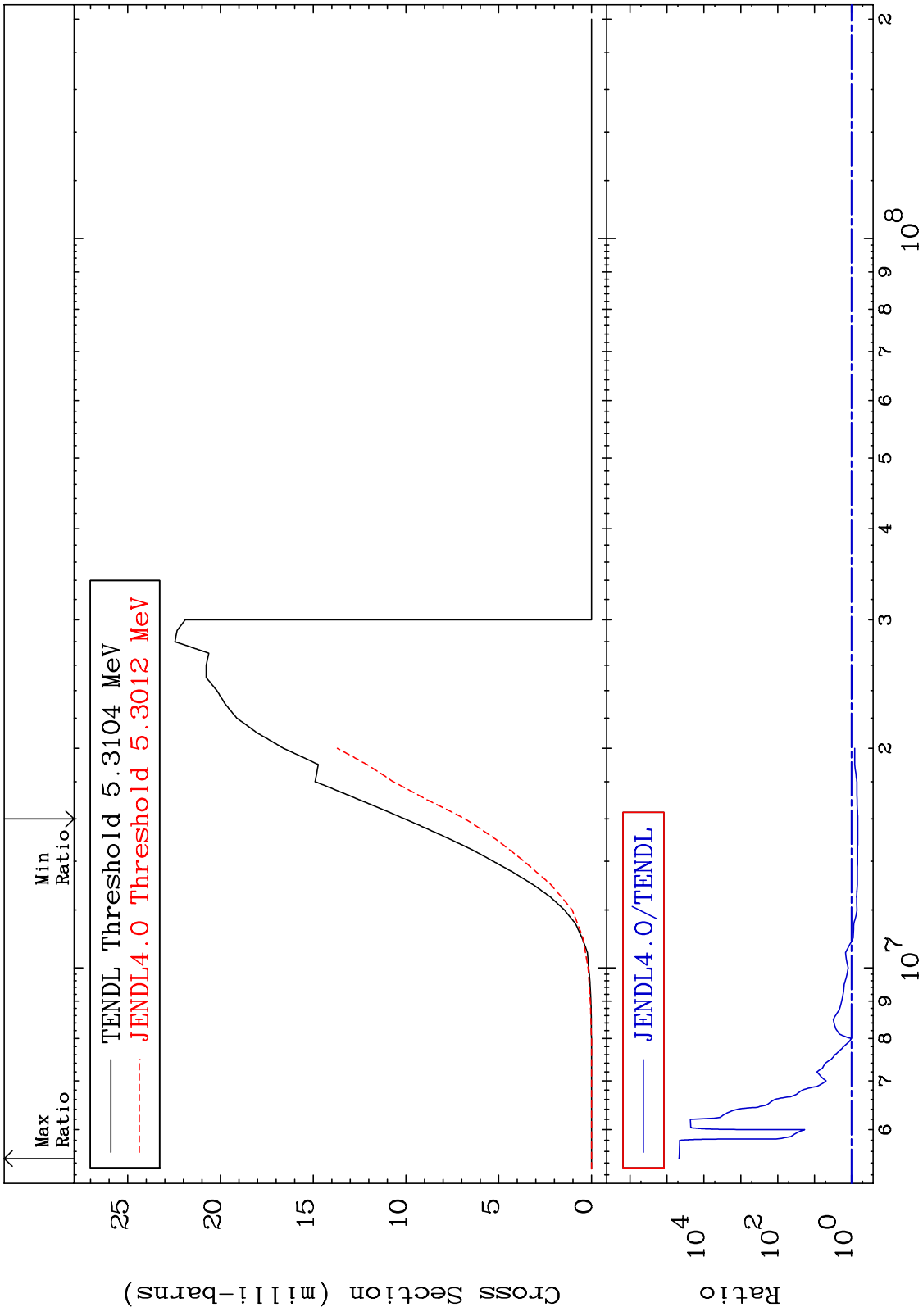
Incident Energy (eV)

29-Cu-65

MAT 2931 (n,p) 29-Cu-65
 Cross Section -13.38 To 9999. %

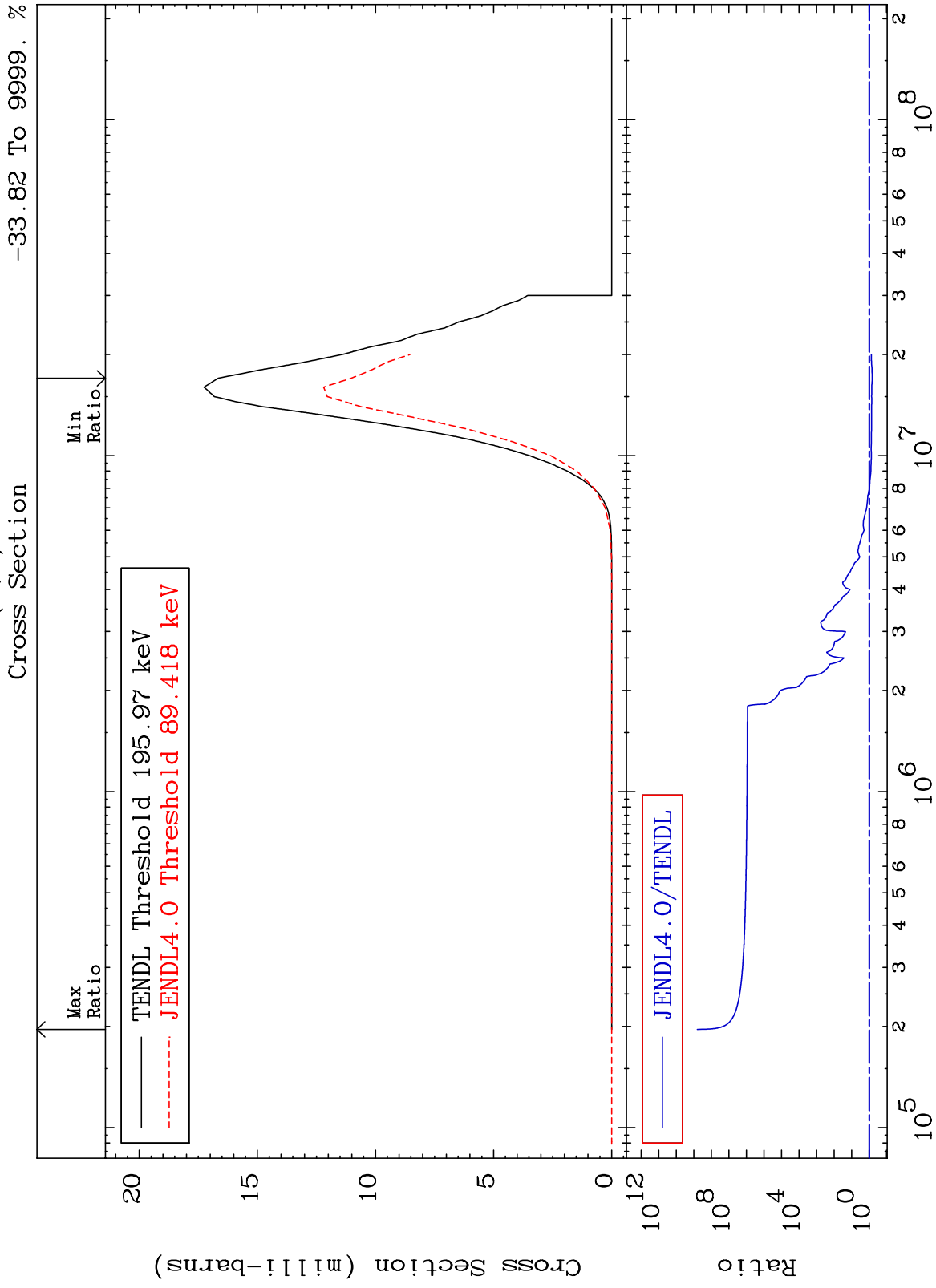


MAT 2931 (n,d) 29-Cu-65
 Cross Section -32.42 To 9999. %

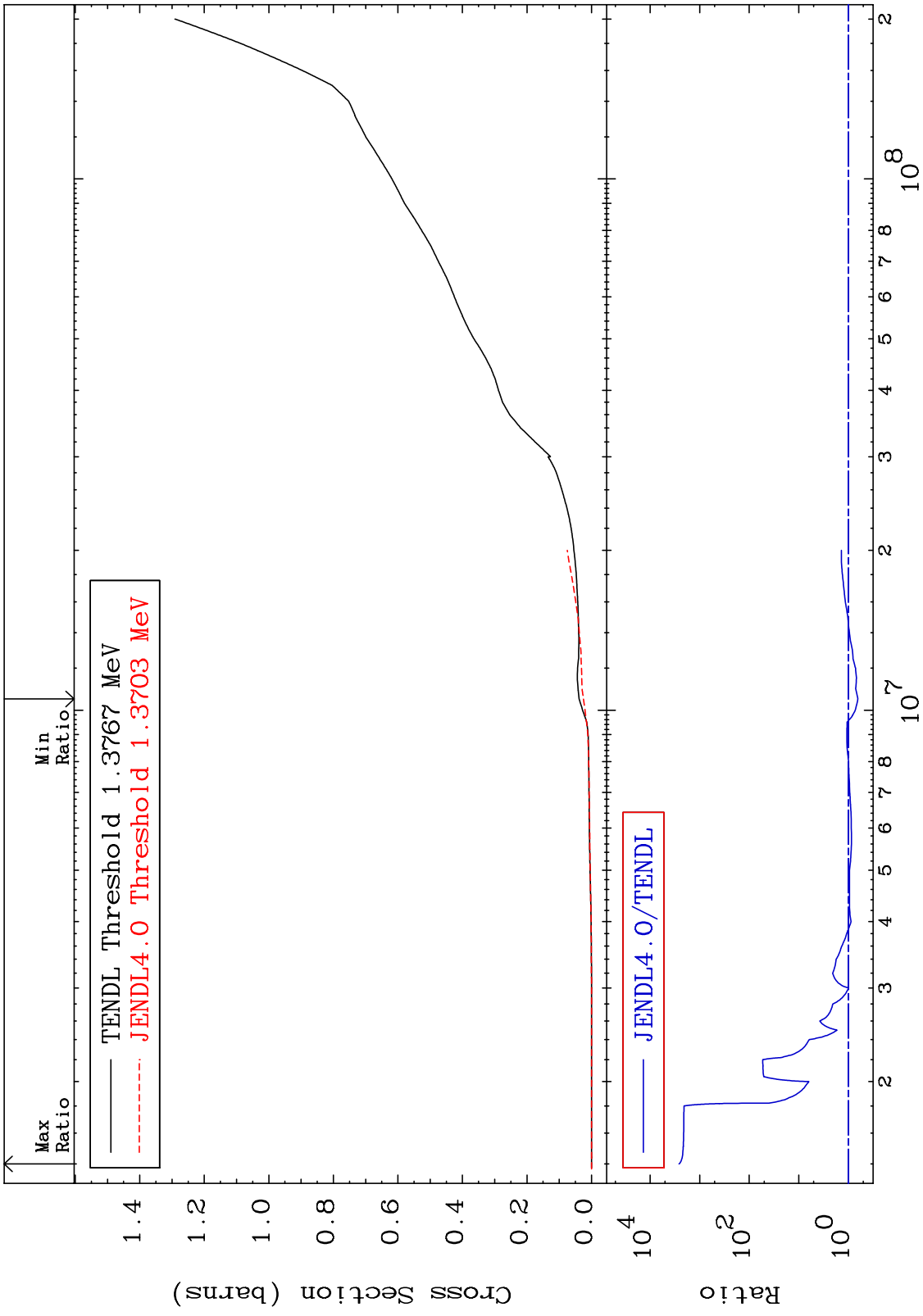


31 Incident Energy (eV) 29-Cu-65

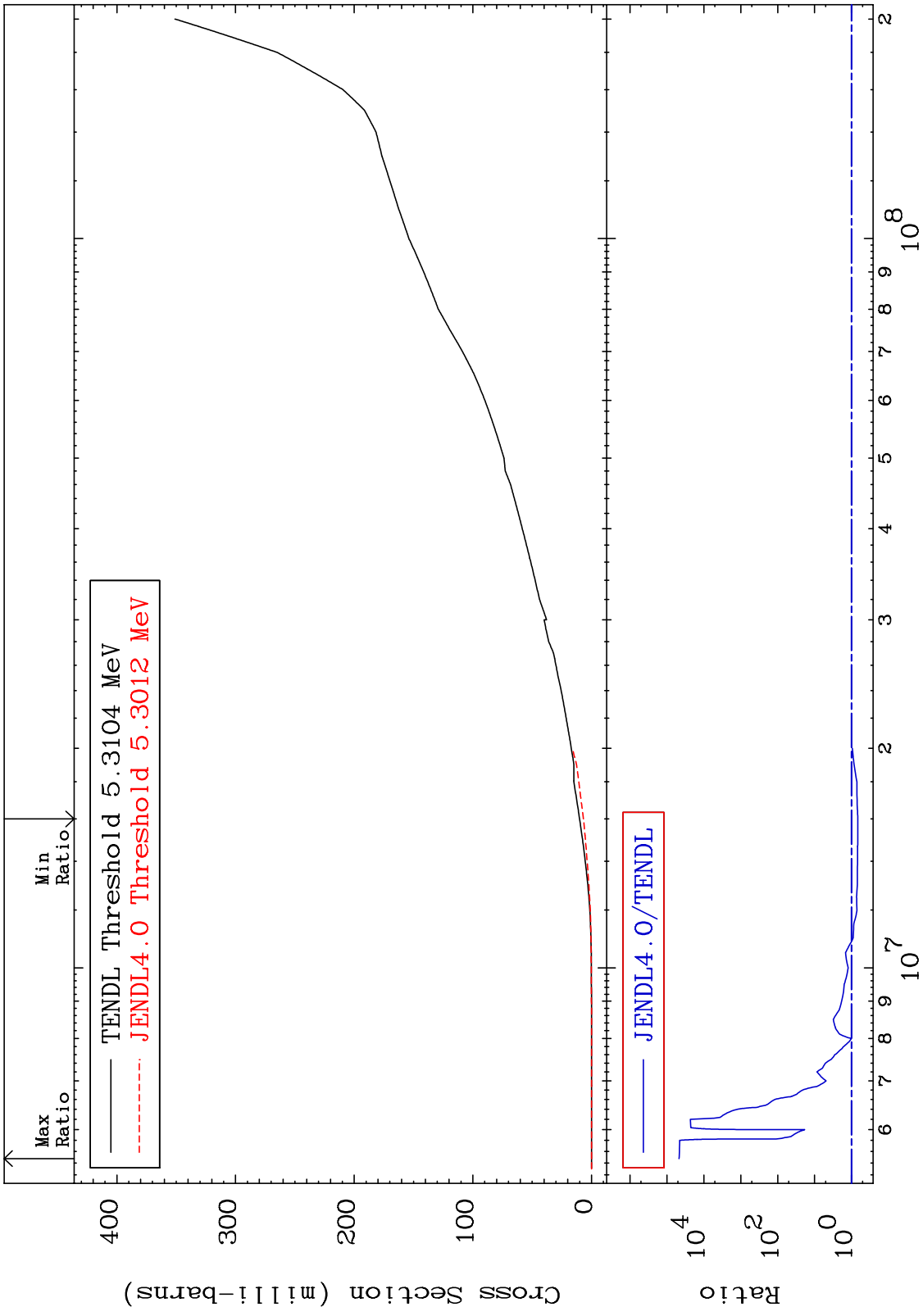
MAT 2931 (n, α) 29-Cu-65 -33.82 To 9999. %



32 29-Cu-65



MAT 2931 Deuterium Production Cross Section 29-Cu-65 -32.42 To 9999. %

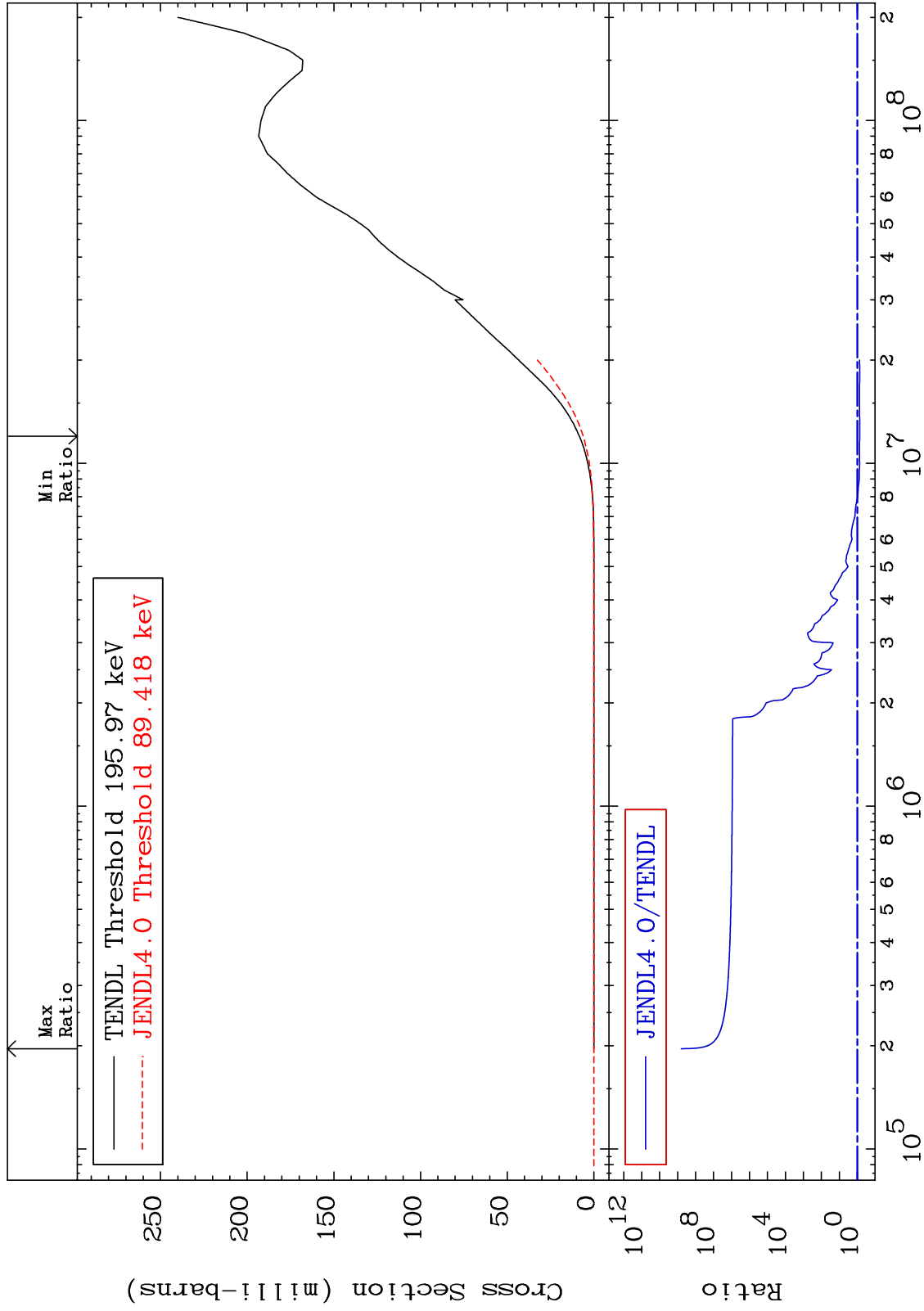


34 Incident Energy (eV) 29-Cu-65

MAT 2931

He-4 Production
Cross Section

29-Cu-65
-26.77 To 9999. %

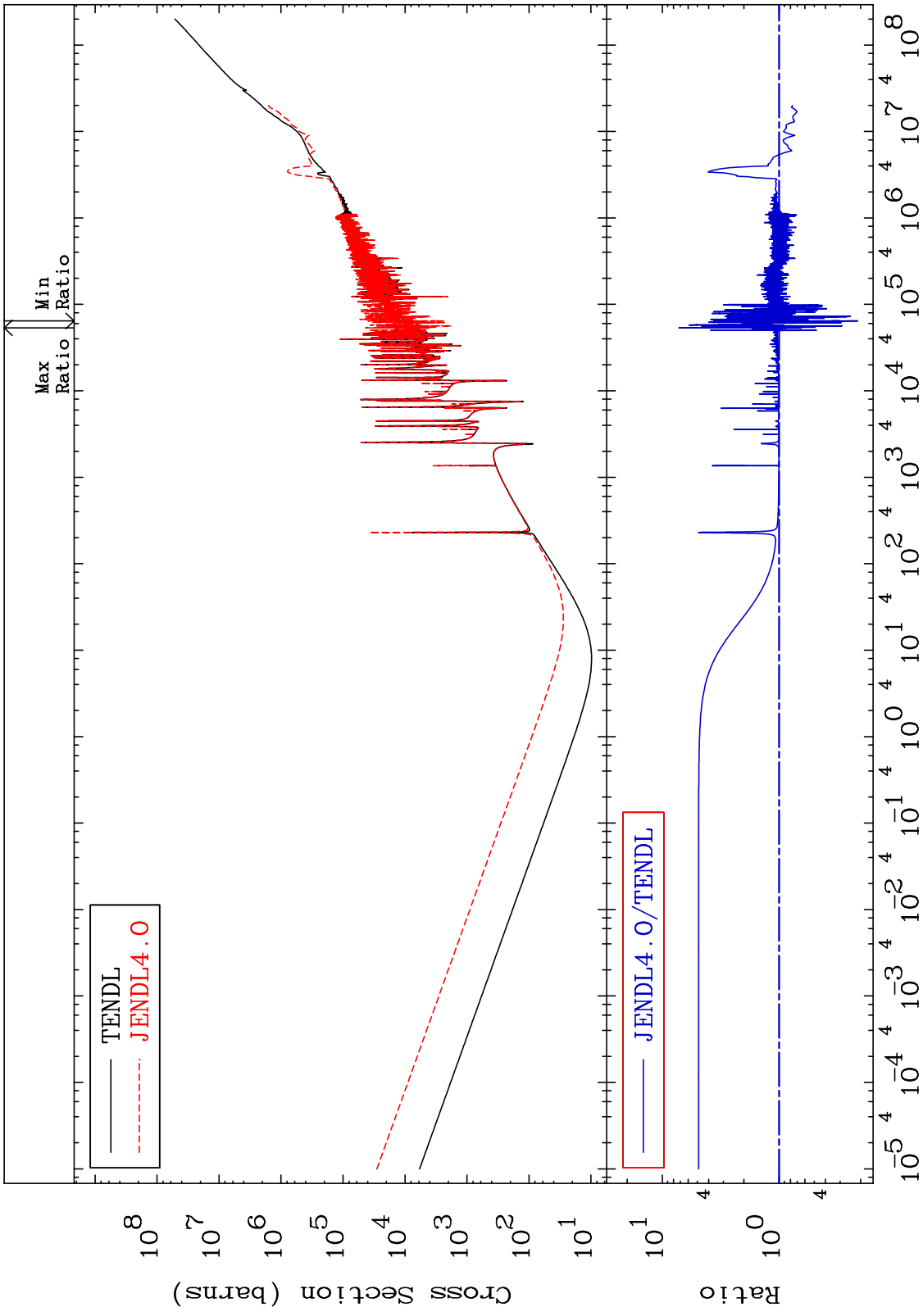


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Incident Energy (eV)

29-Cu-65

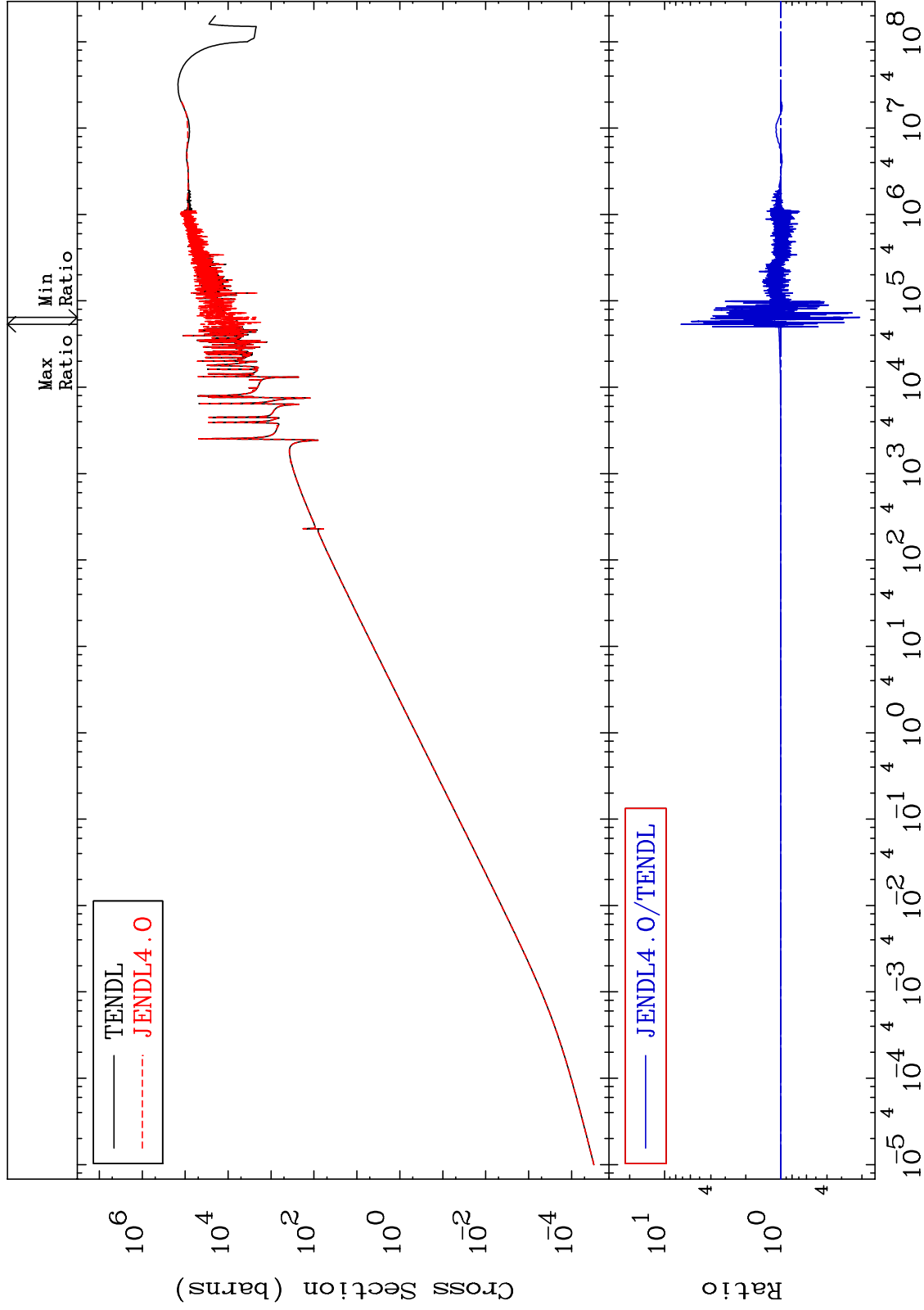
MAT 2931 Kerma total (eV-barns) Cross Section 29-Cu-65
 -78.84 To 618.7 %



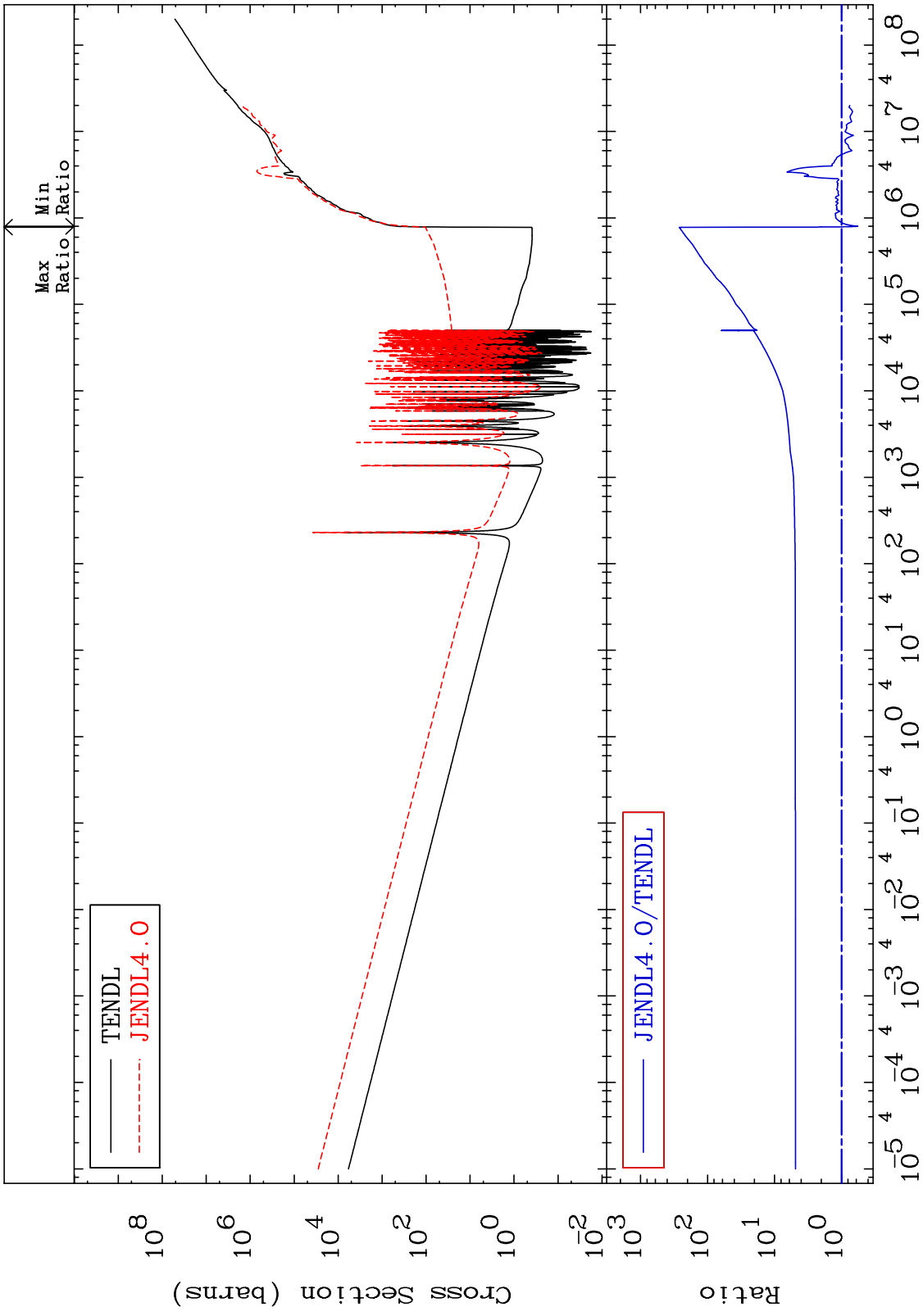
MAT 2931

Kerma elastic
Cross Section

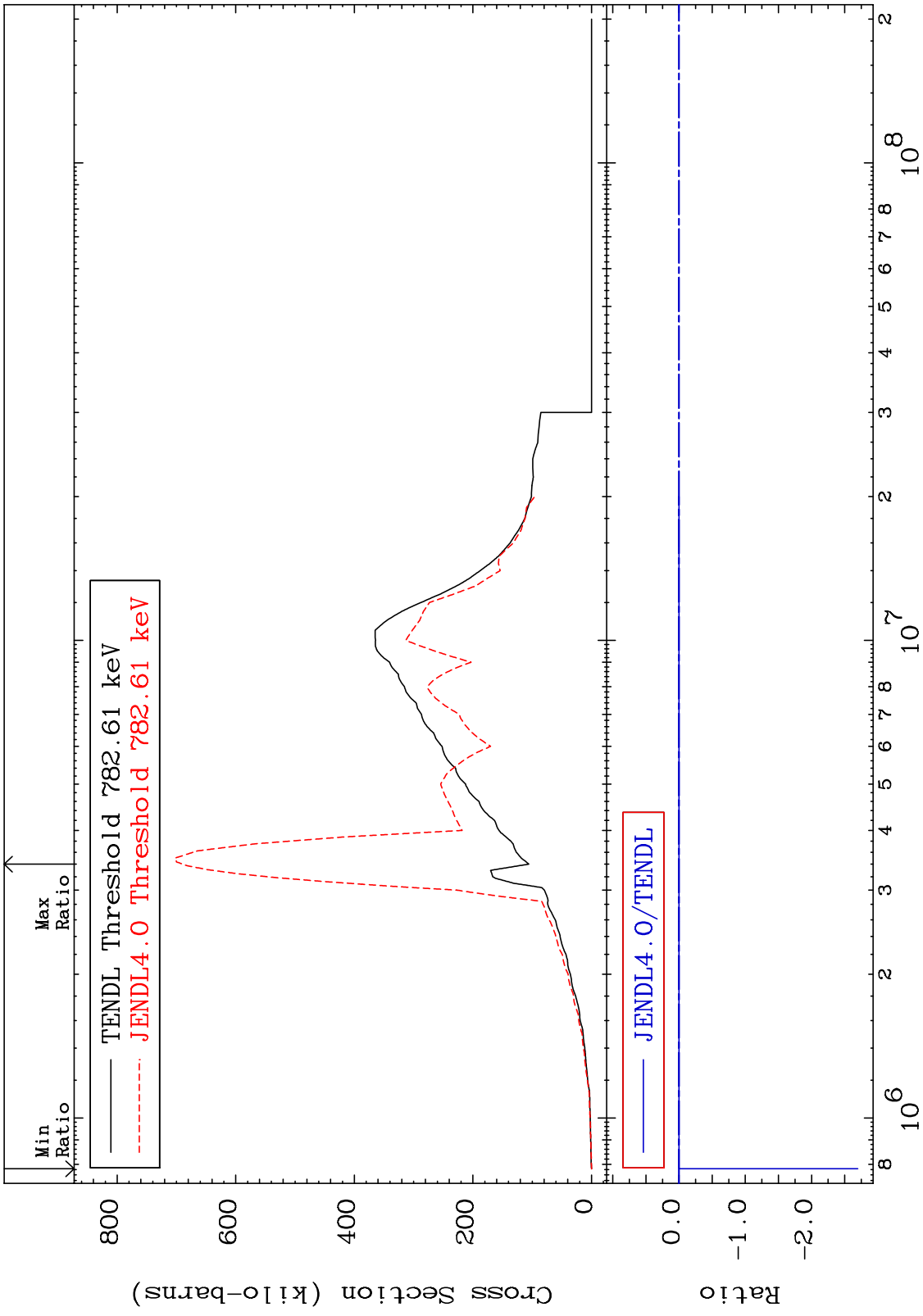
29-Cu-65
-79.10 To 618.4 %



MAT 2931 Kerma non-elastic (all but mt2) Cross Section 29-Cu-65
 -42.97 To 9999. %



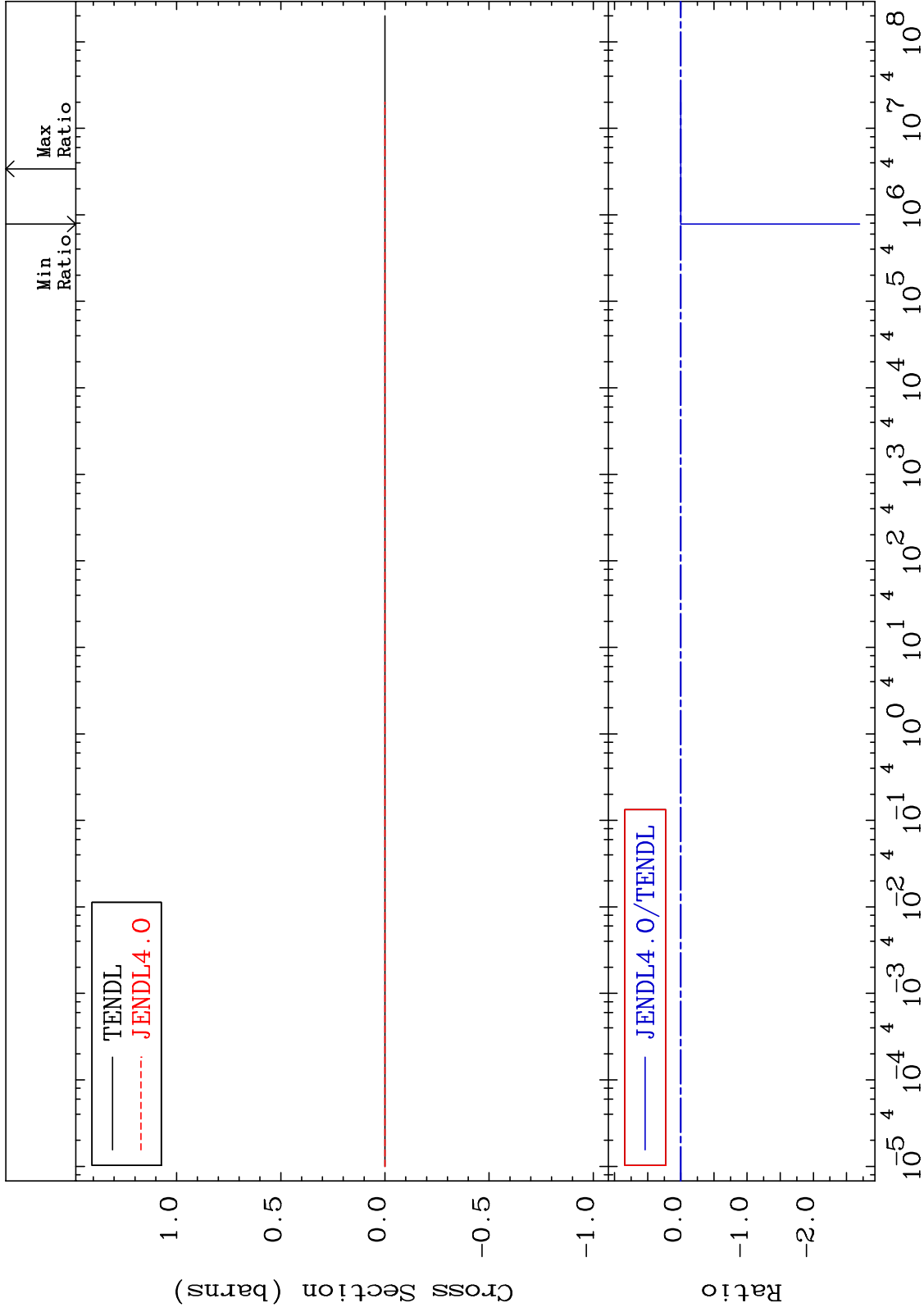
MAT 2931 Kerma inelastic (mt51-91) 29-Cu-65
 Cross Section -9999. To 552.5 %



MAT 2931

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

29-Cu-65
-9999. To 552.5 %

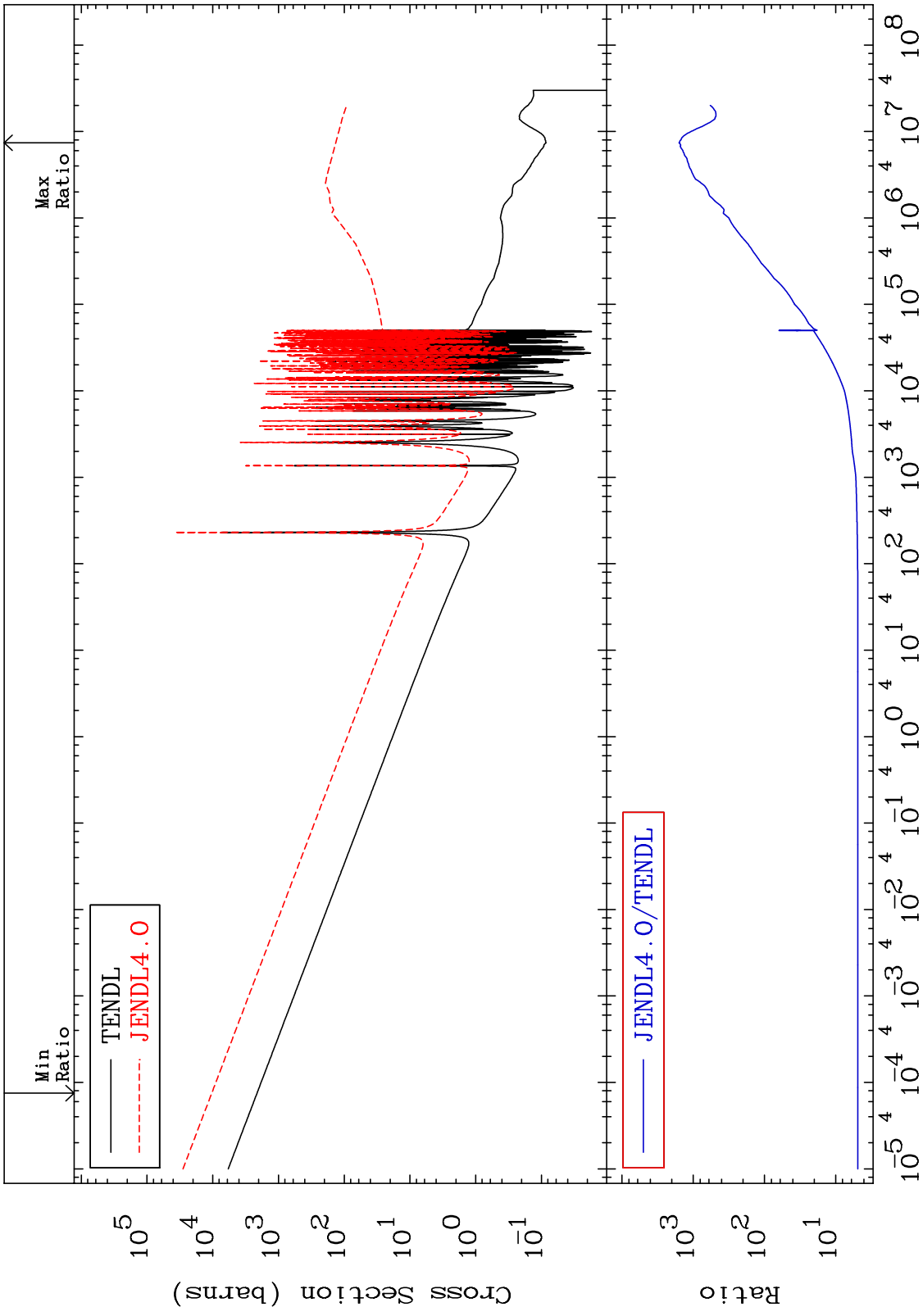


40

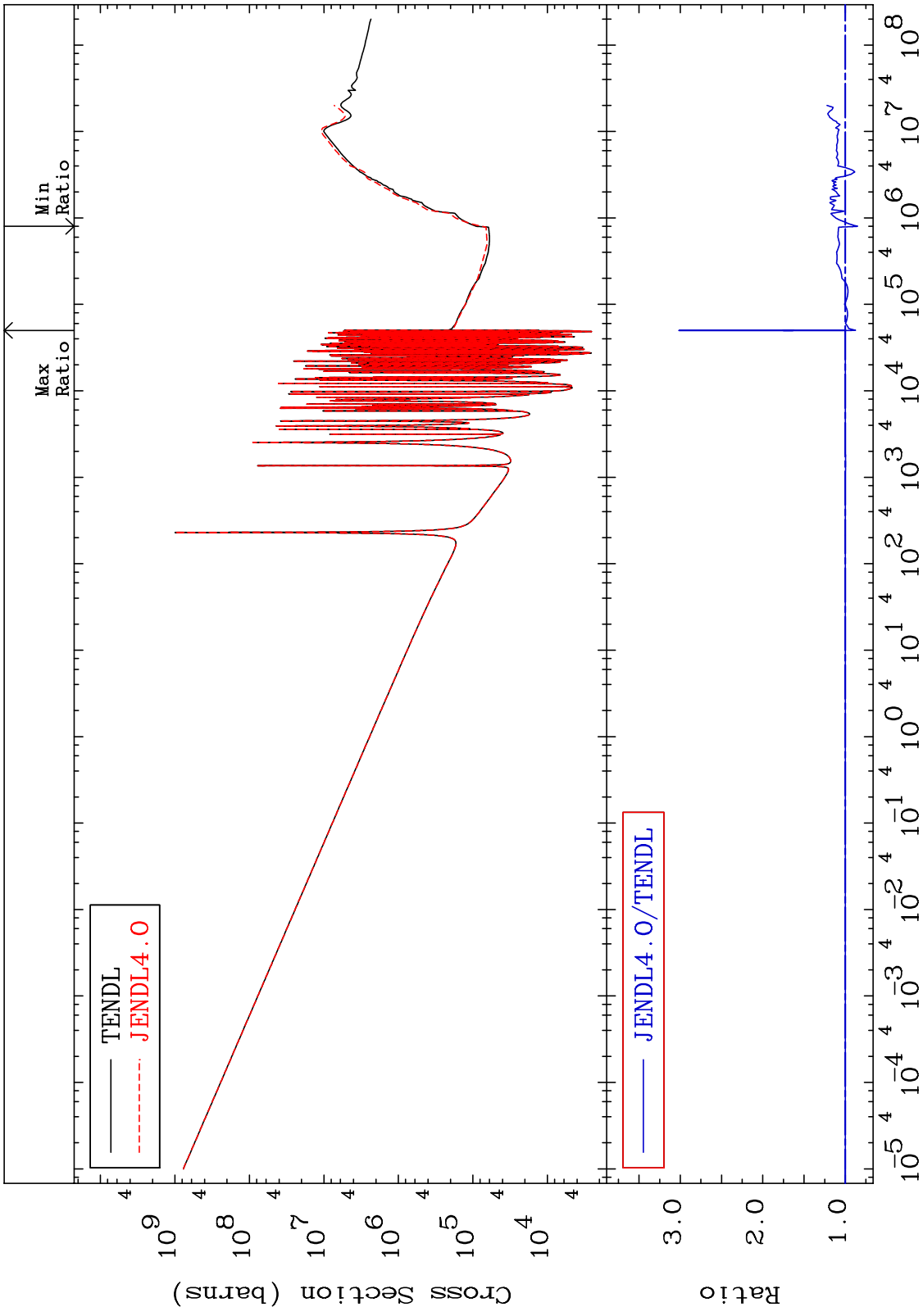
Incident Energy (eV)

29-Cu-65

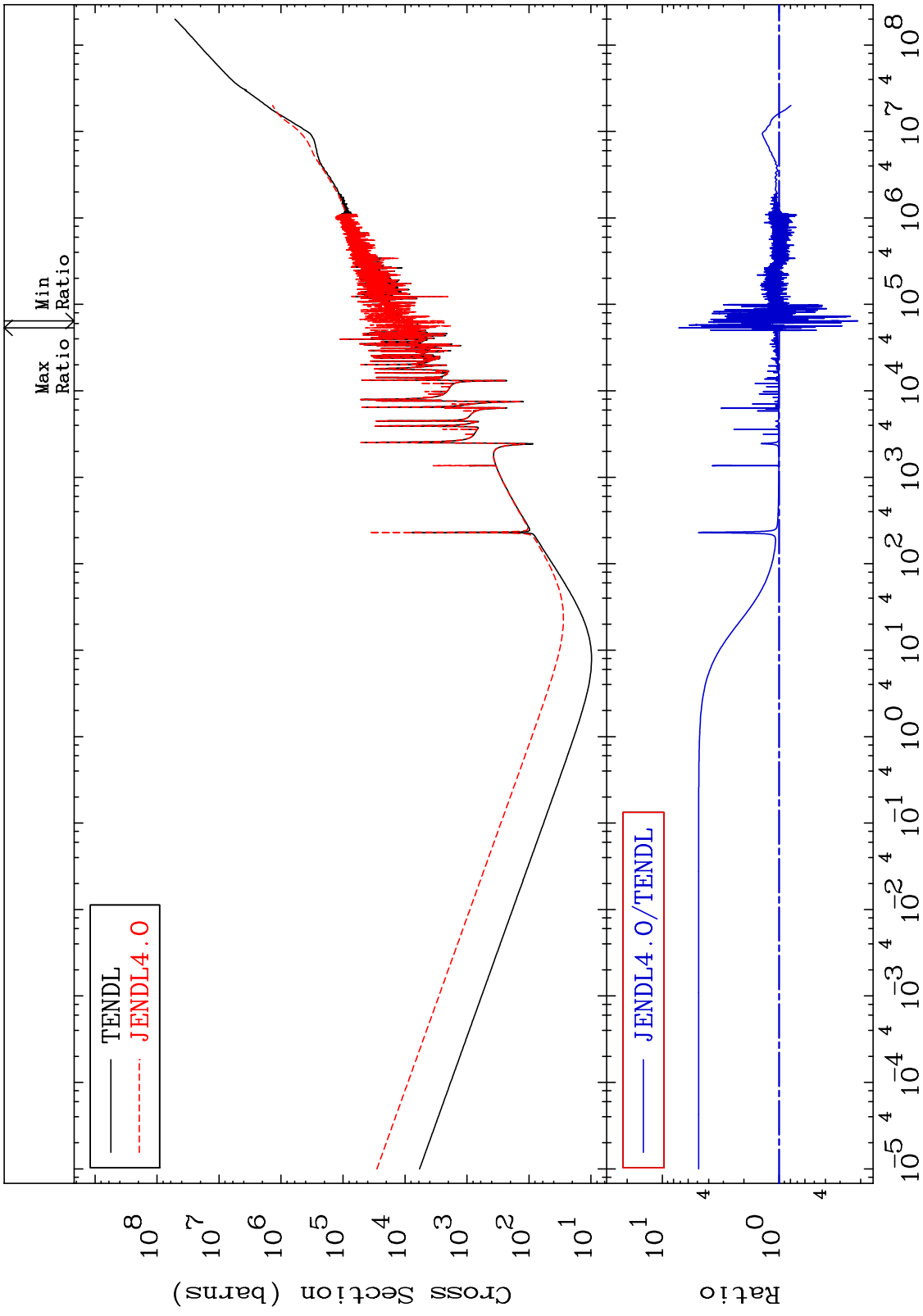
MAT 2931 Kerma capture (mt102) Cross Section 29-Cu-65 388.4 To 9999. %

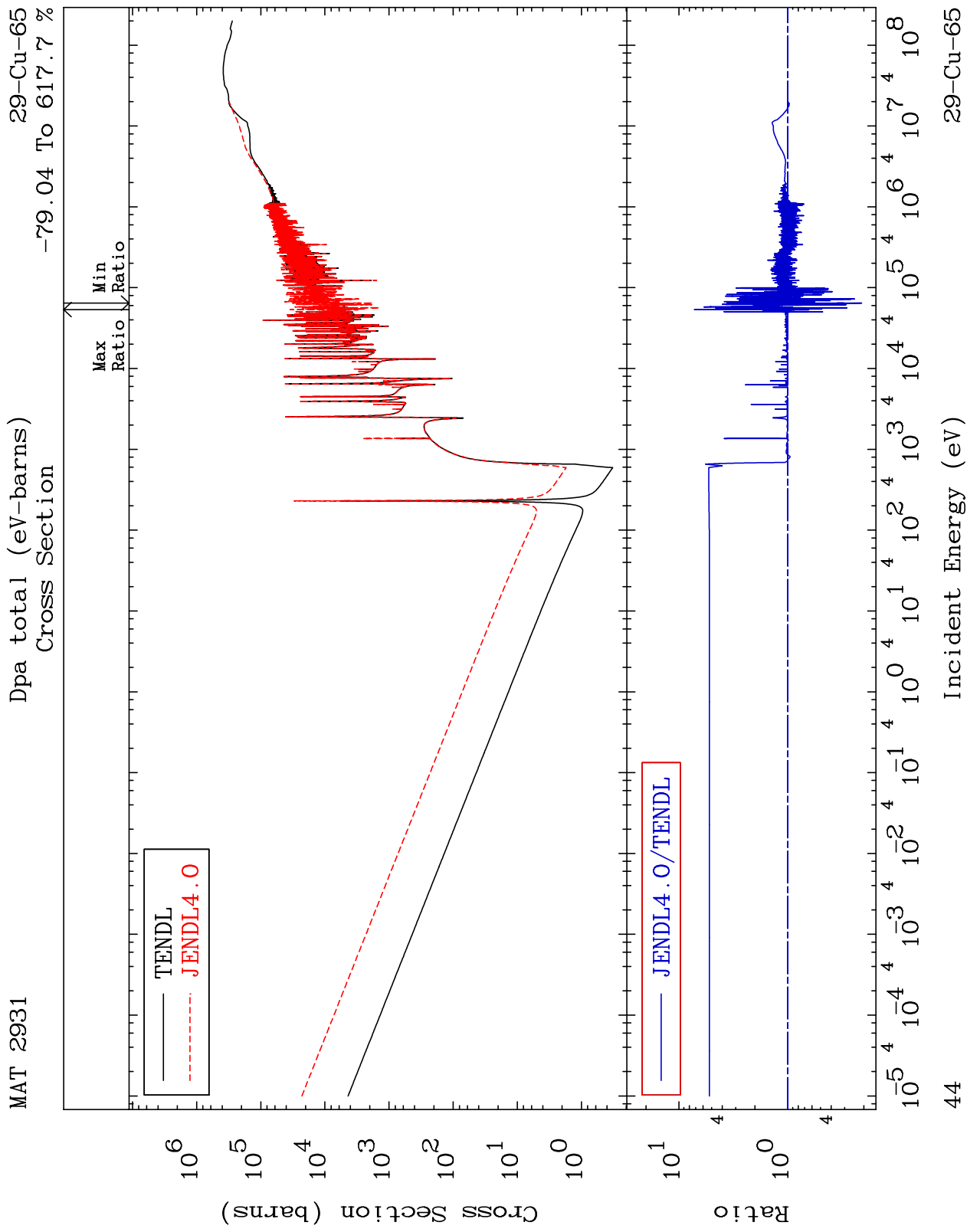


MAT 2931 29-Cu-65
 Total photon (eV-barns) -15.16 To 201.5 %
 Cross Section



MAT 2931 Total kinematic kerma (high limit) 29-Cu-65
 Cross Section -78.84 To 618.7 %

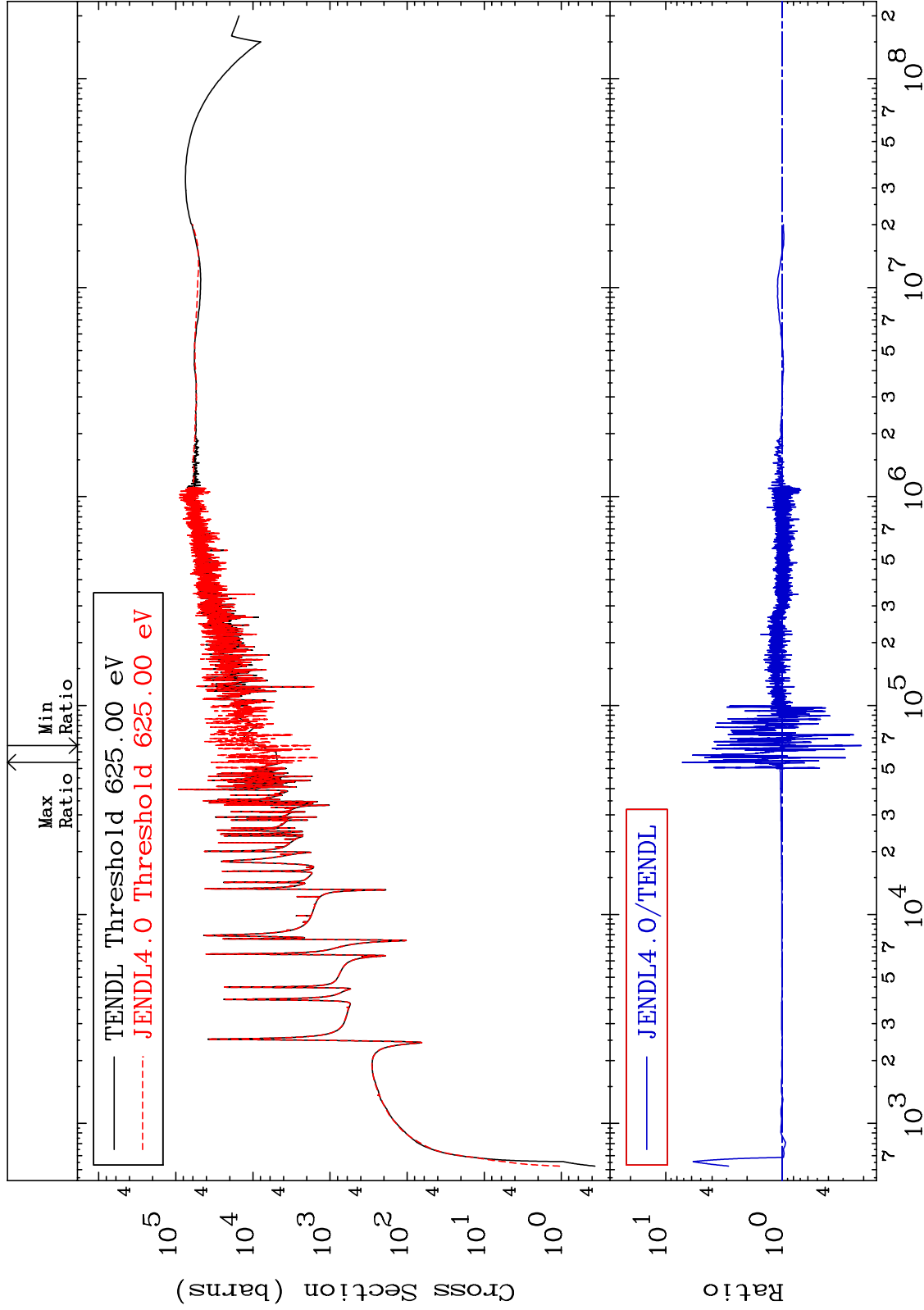




MAT 2931

Dpa elastic (mt2)
Cross Section

29-Cu-65
-79.09 To 617.8 %



45

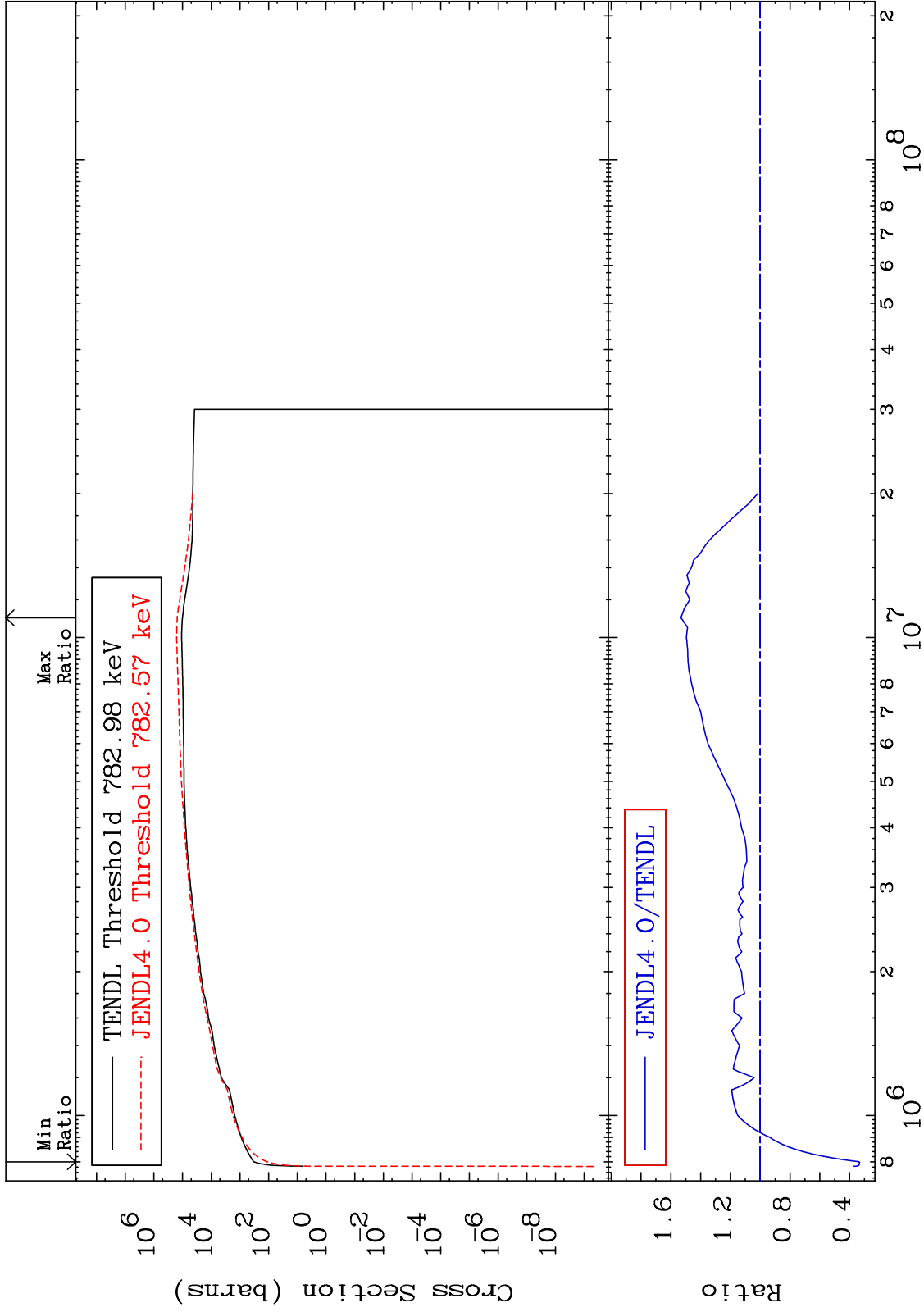
Incident Energy (eV)

29-Cu-65

MAT 2931

Dpa inelastic (mt51-91)
Cross Section

29-Cu-65
-66.75 To 53.28 %

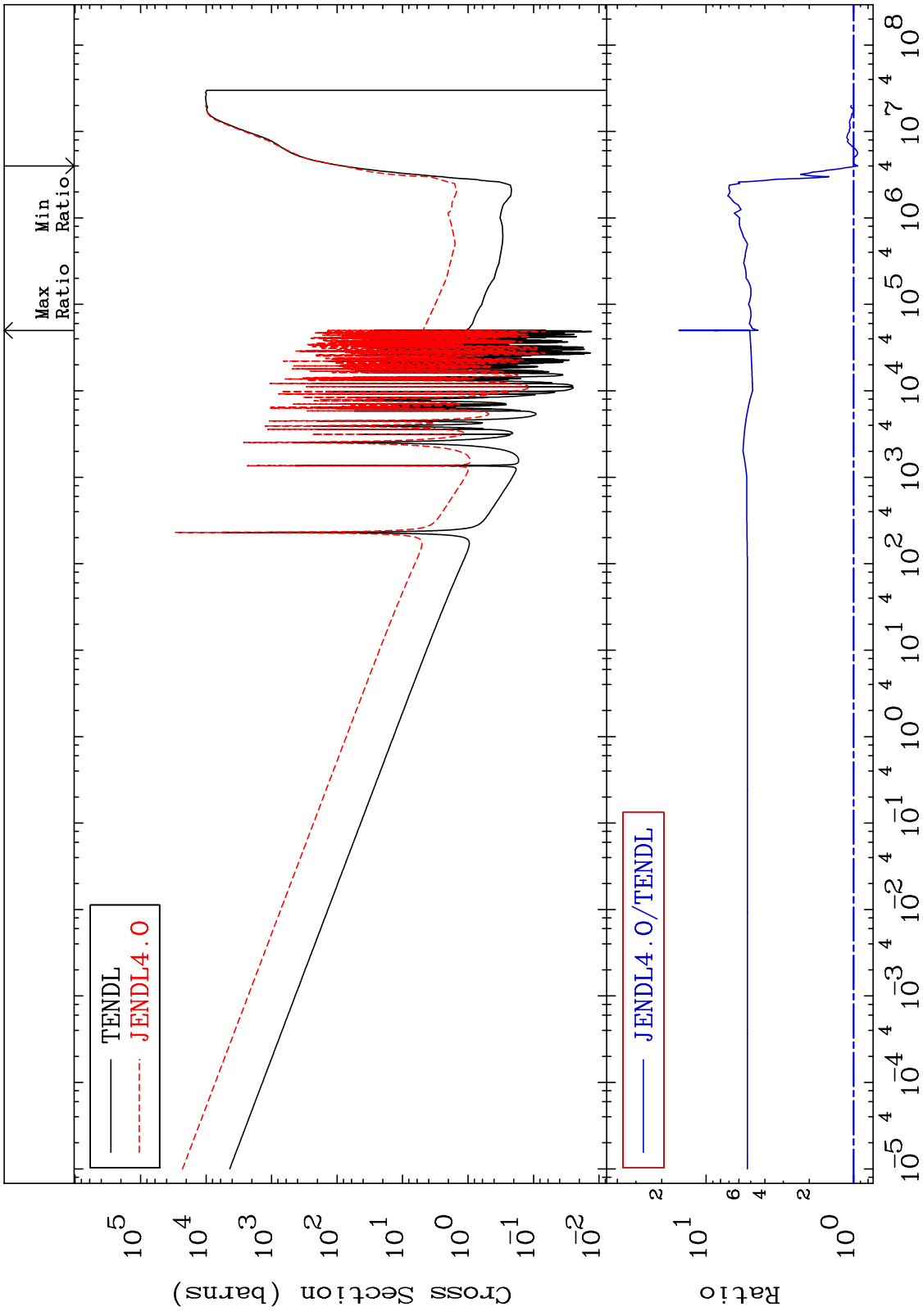


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Incident Energy (eV)

29-Cu-65

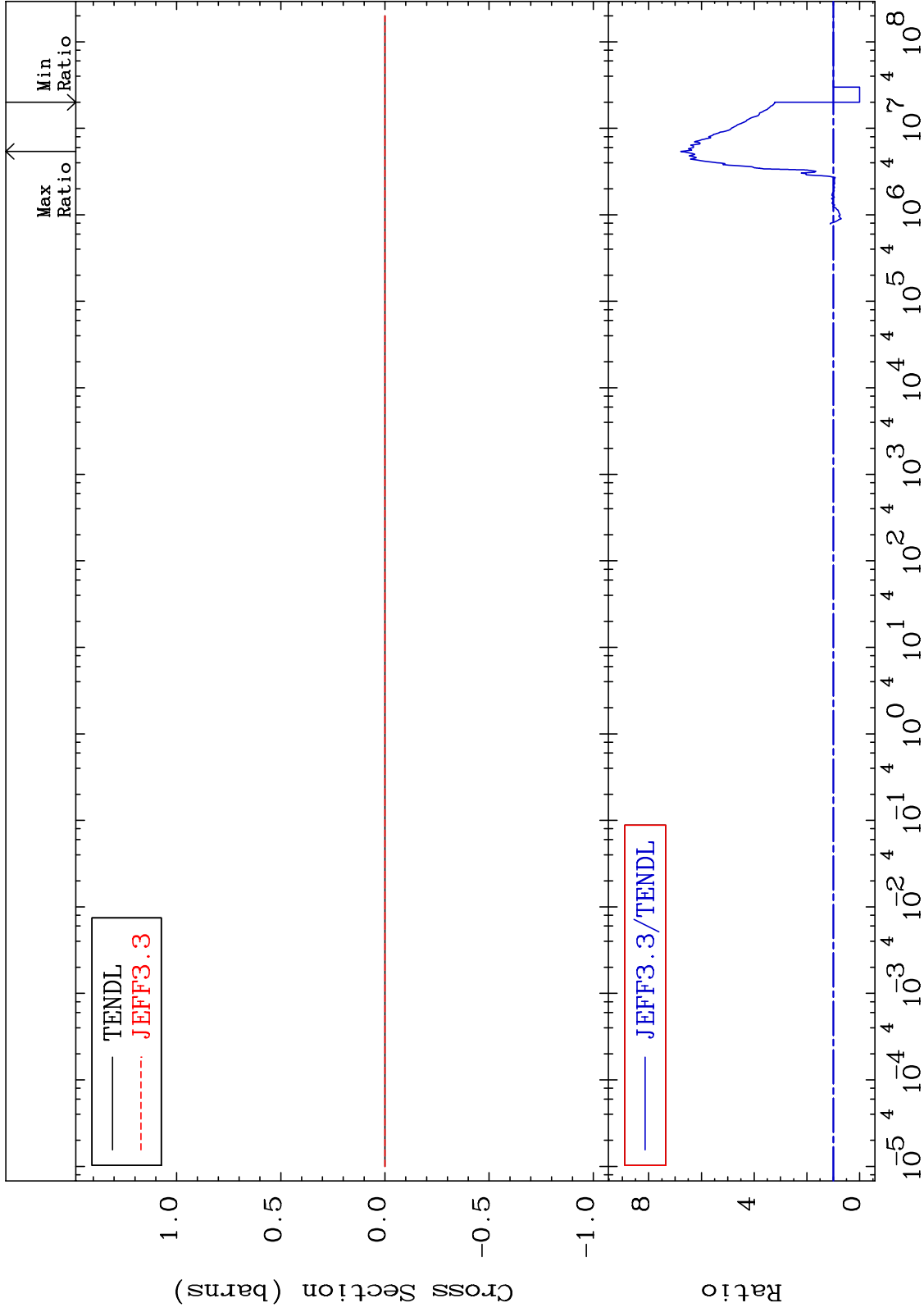
MAT 2931 Dpa disappearance (mt102 -120) 29-Cu-65
 Cross Section -6.293 To 1428. %



MAT 2931

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

29-Cu-65
-100.0 To 578.1 %

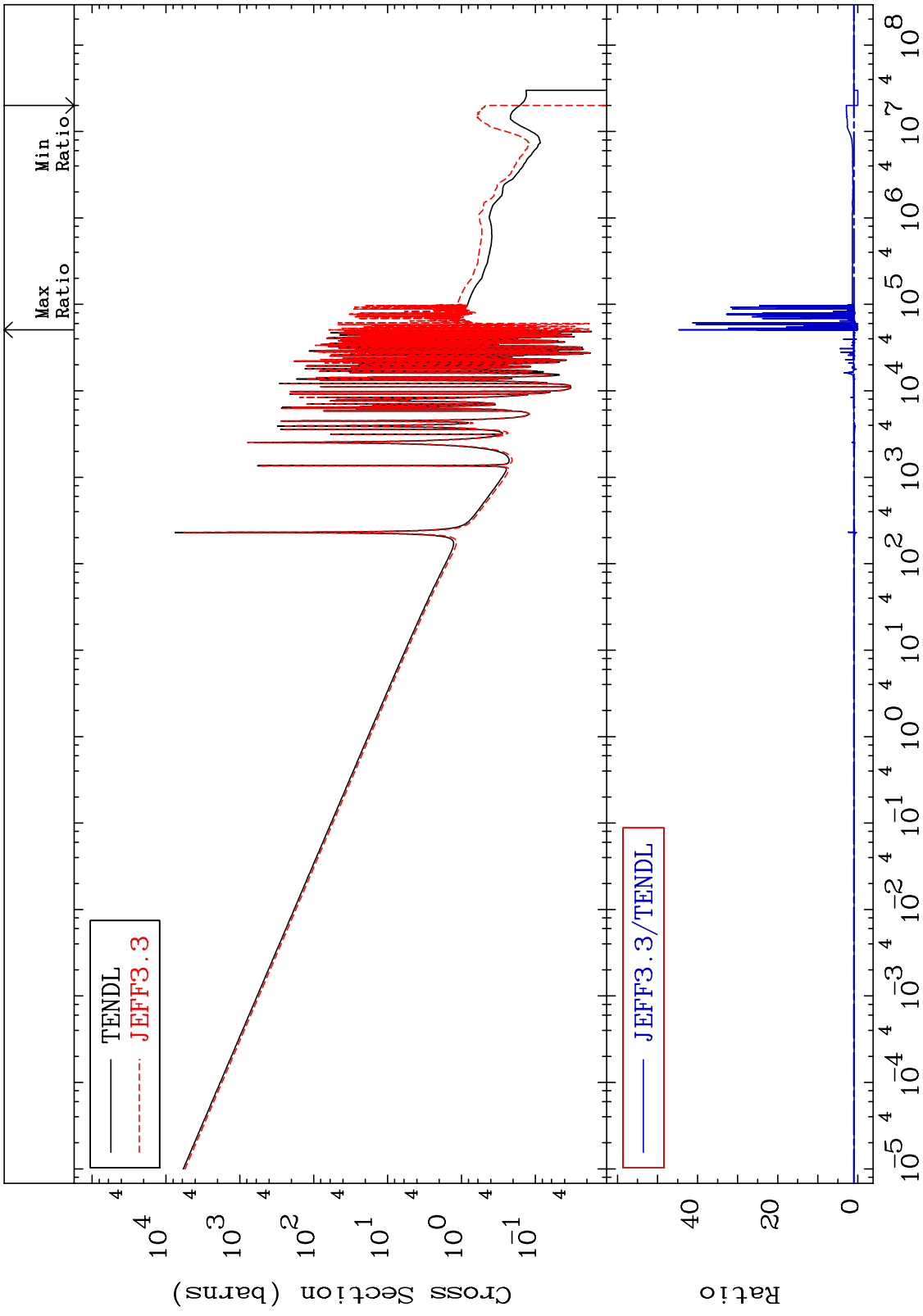


48

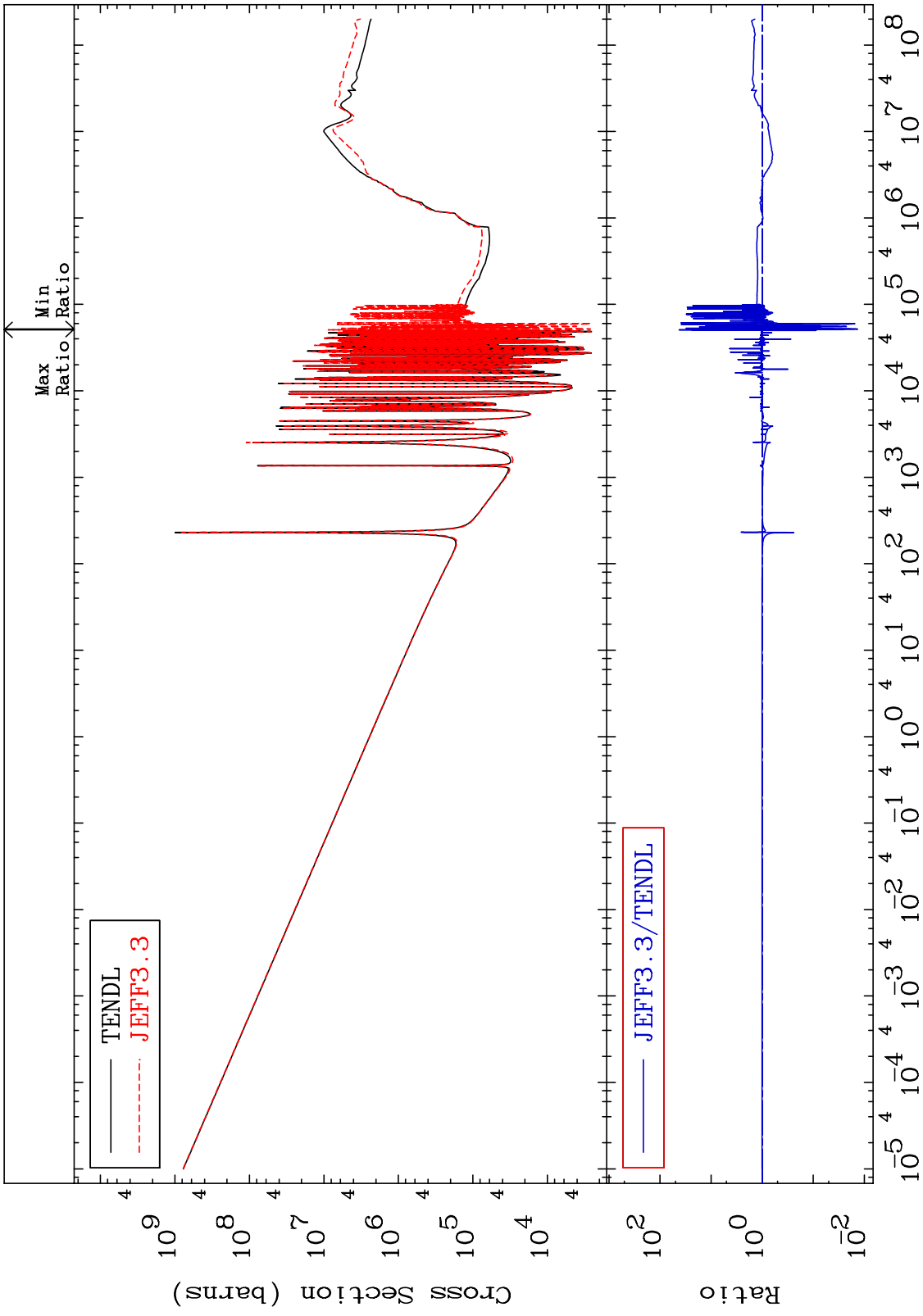
Incident Energy (eV)

29-Cu-65

MAT 2931 Kerma capture (mt102) 29-Cu-65
 Cross Section -100.0 To 4363. %



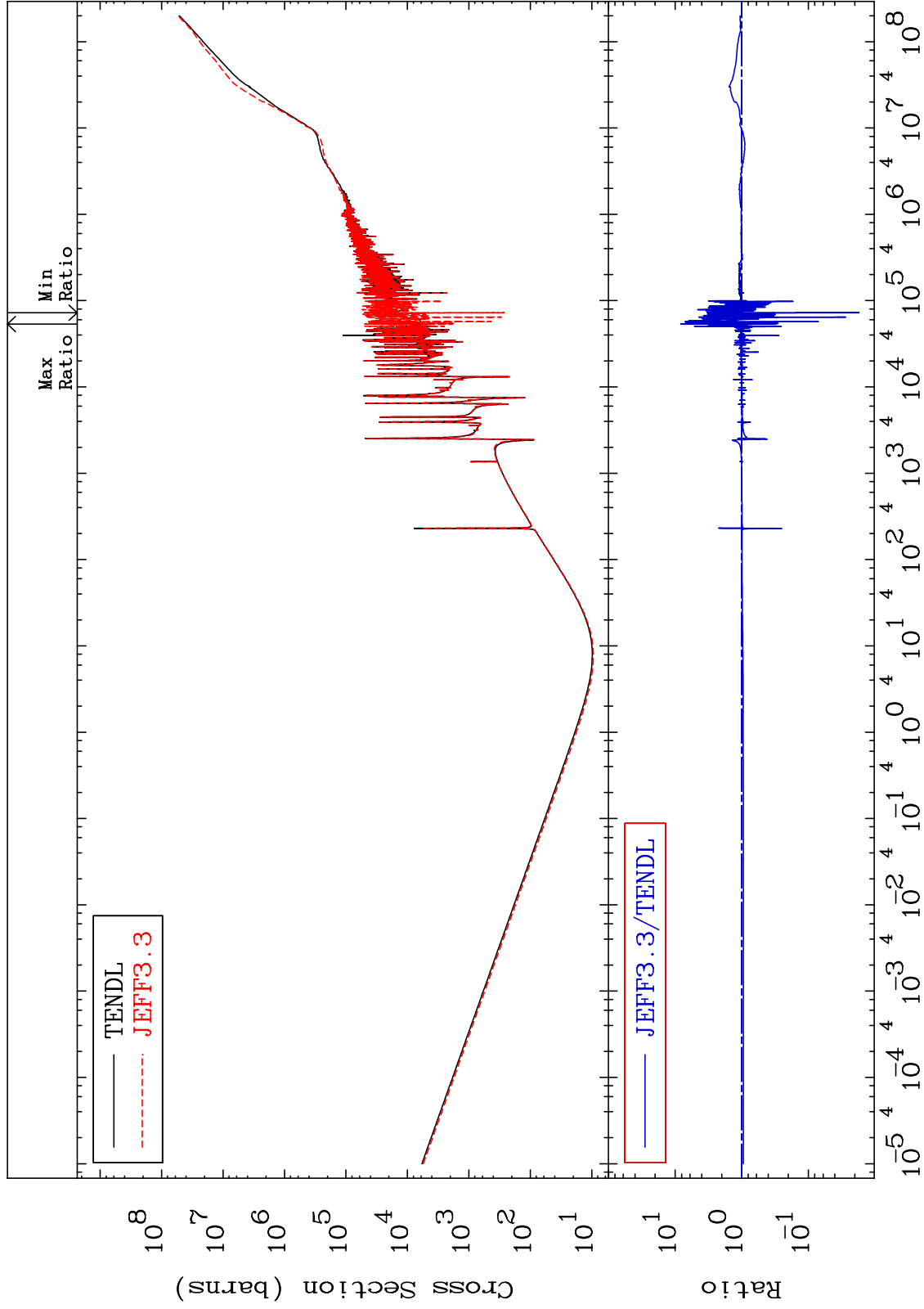
MAT 2931 Total photon (eV-barns) Cross Section 29-Cu-65 -98.66 To 4150. %



MAT 2931

Total kinematic kerma (high limit)
Cross Section

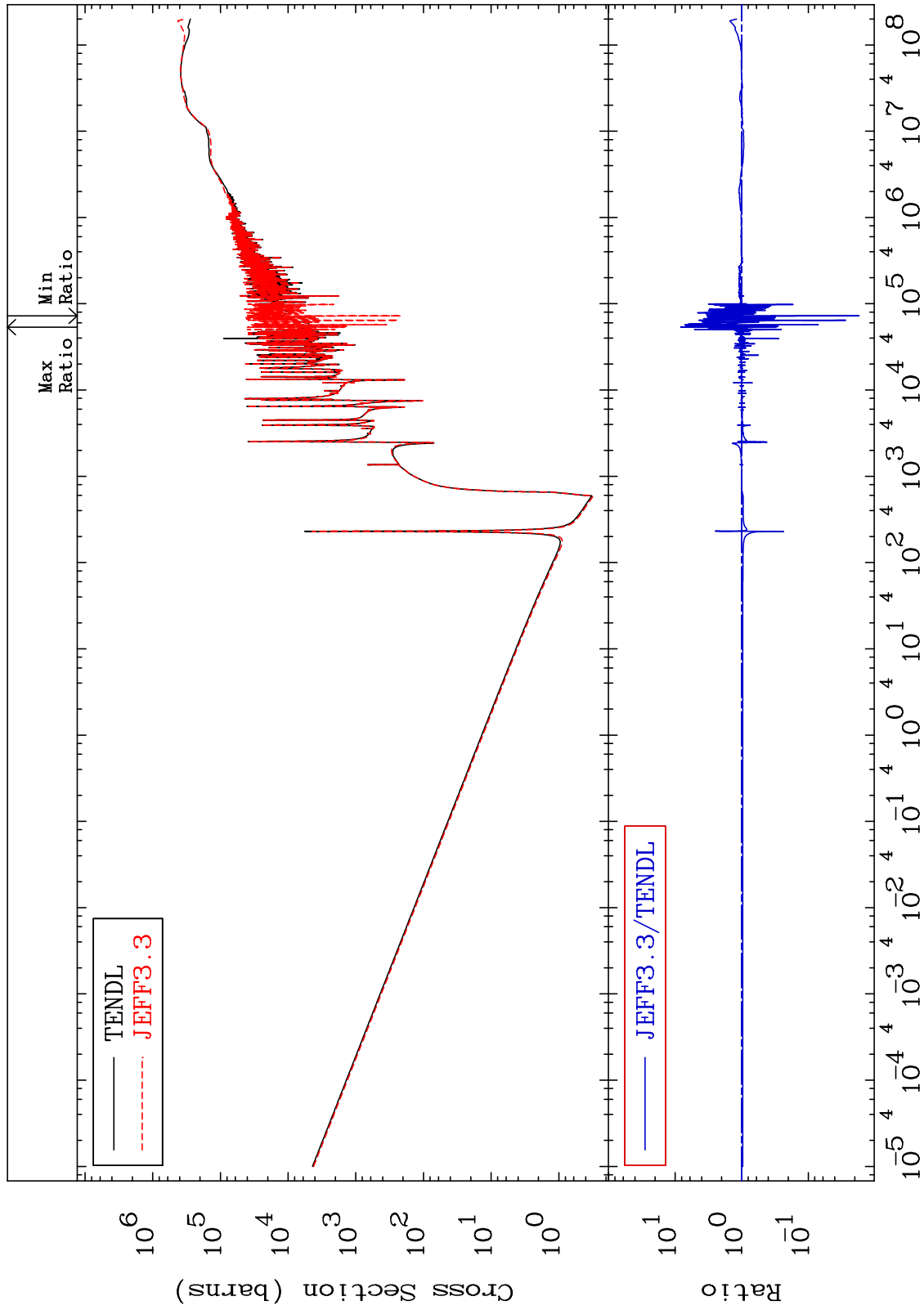
29-Cu-65
-98.27 To 726.7 %



MAT 2931

Dpa total (eV-barns)
Cross Section

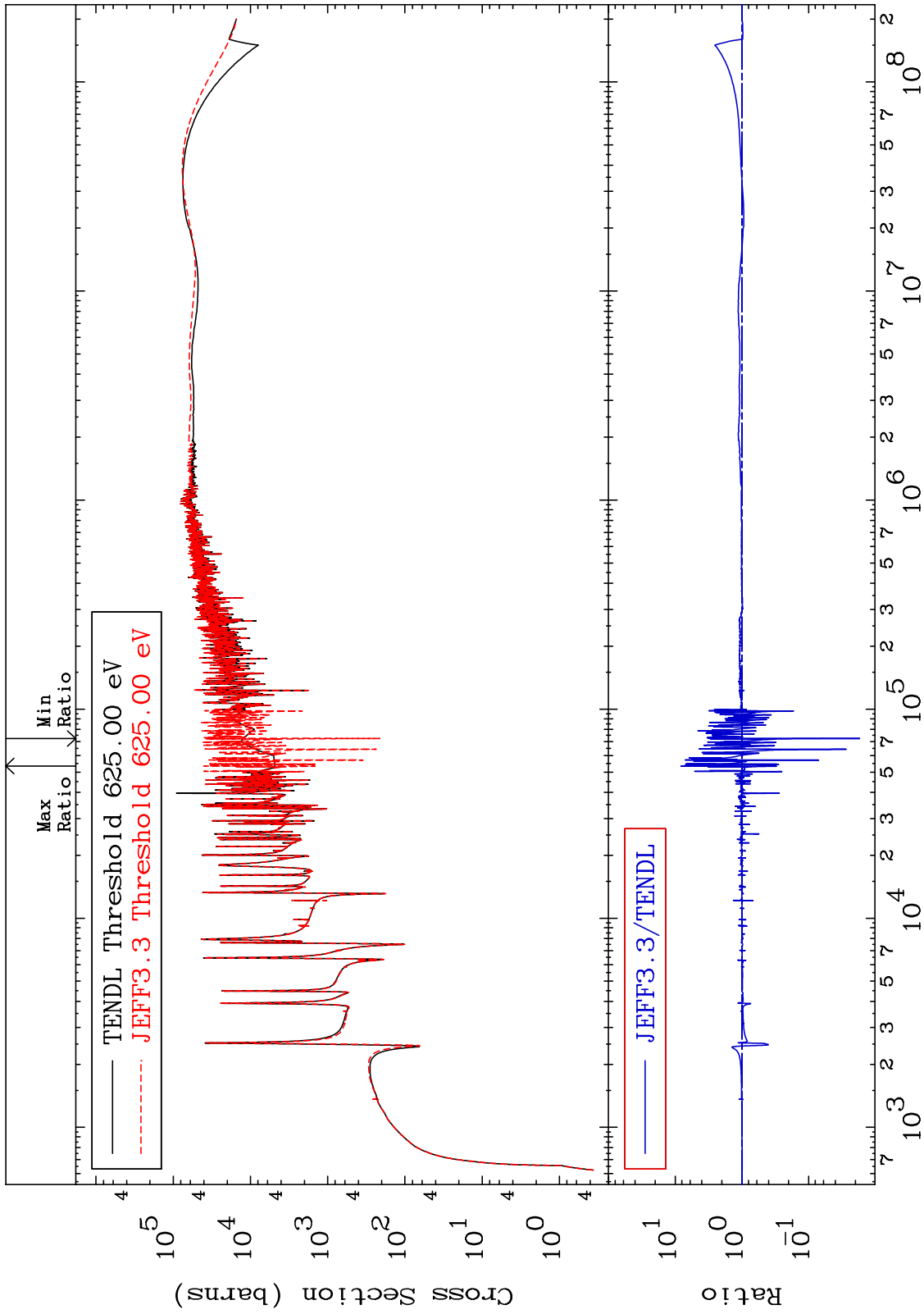
29-Cu-65
-98.27 To 726.4 %

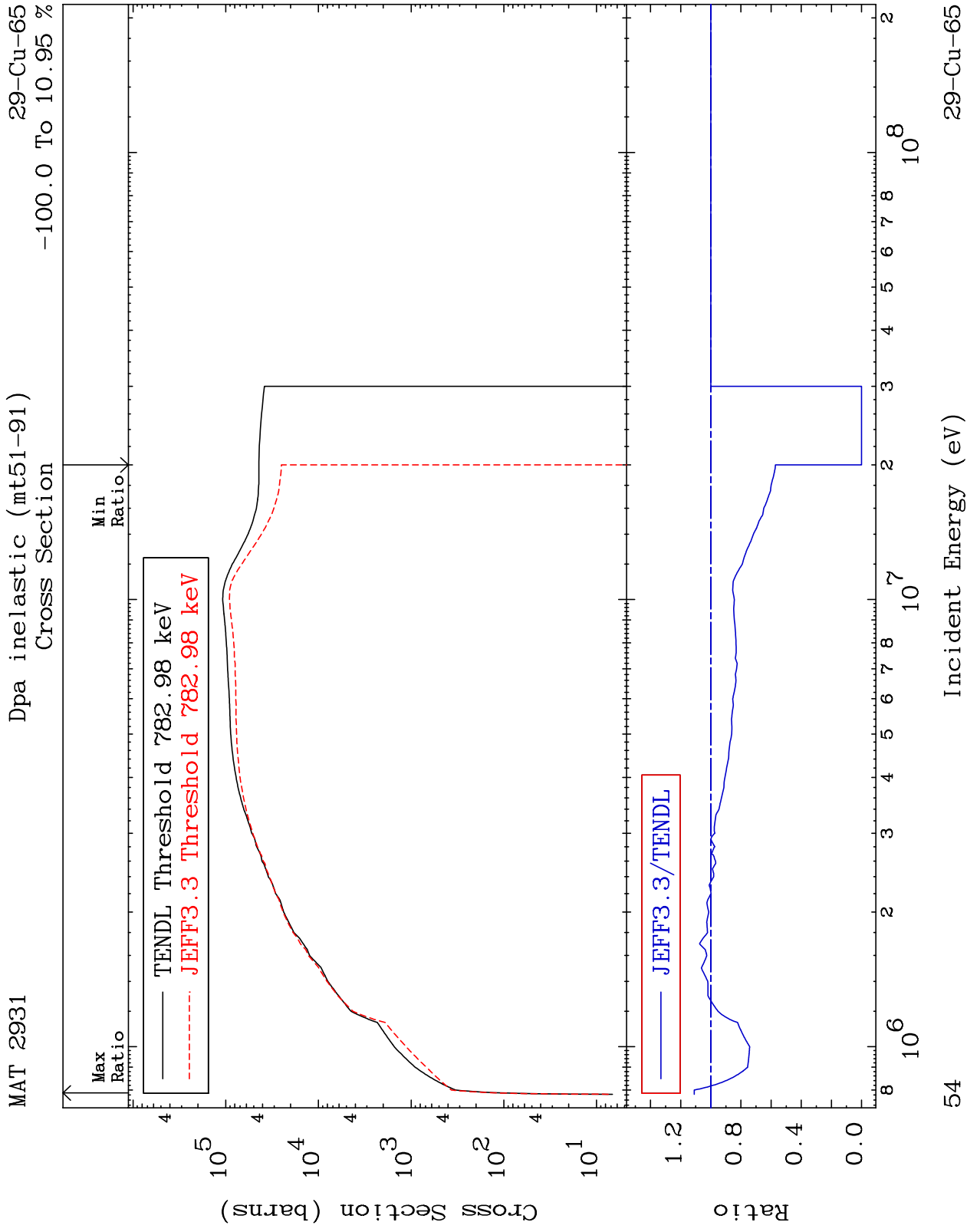


MAT 2931

Dpa elastic (mt2)
Cross Section

29-Cu-65
-98.28 To 726.4 %

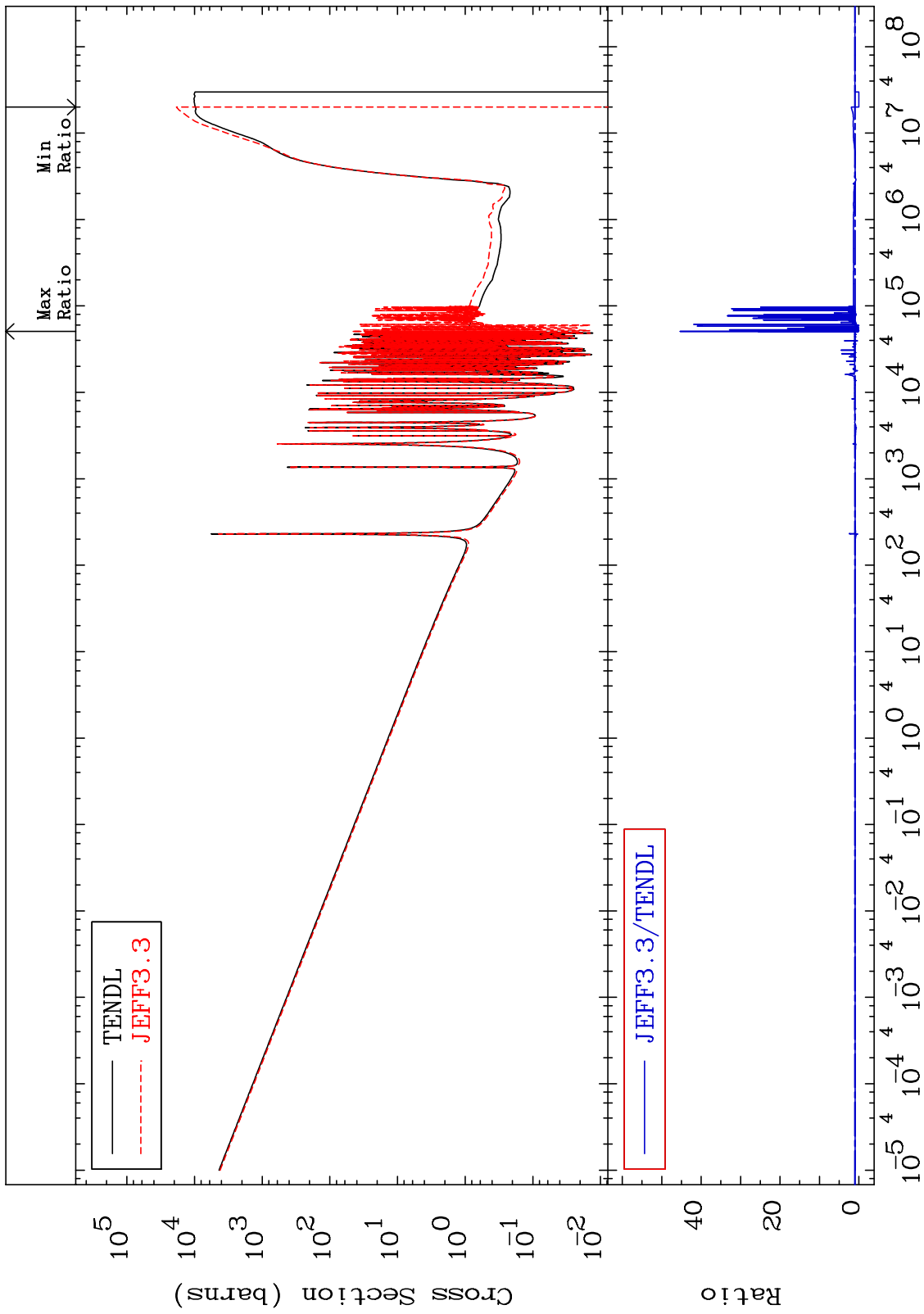




MAT 2931

Dpa disappearance (mt102 -120)
Cross Section

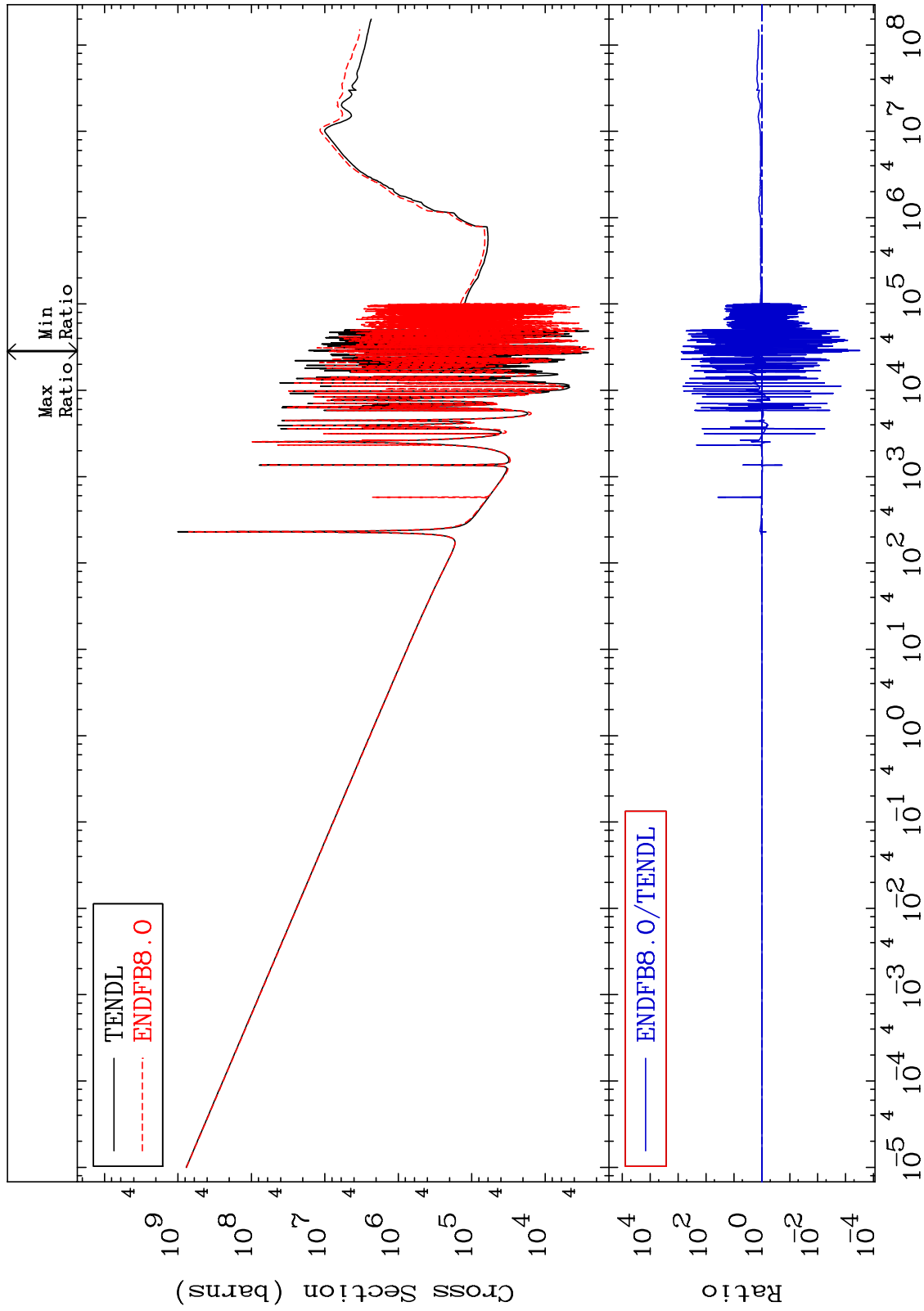
29-Cu-65
-100.0 To 4430. %



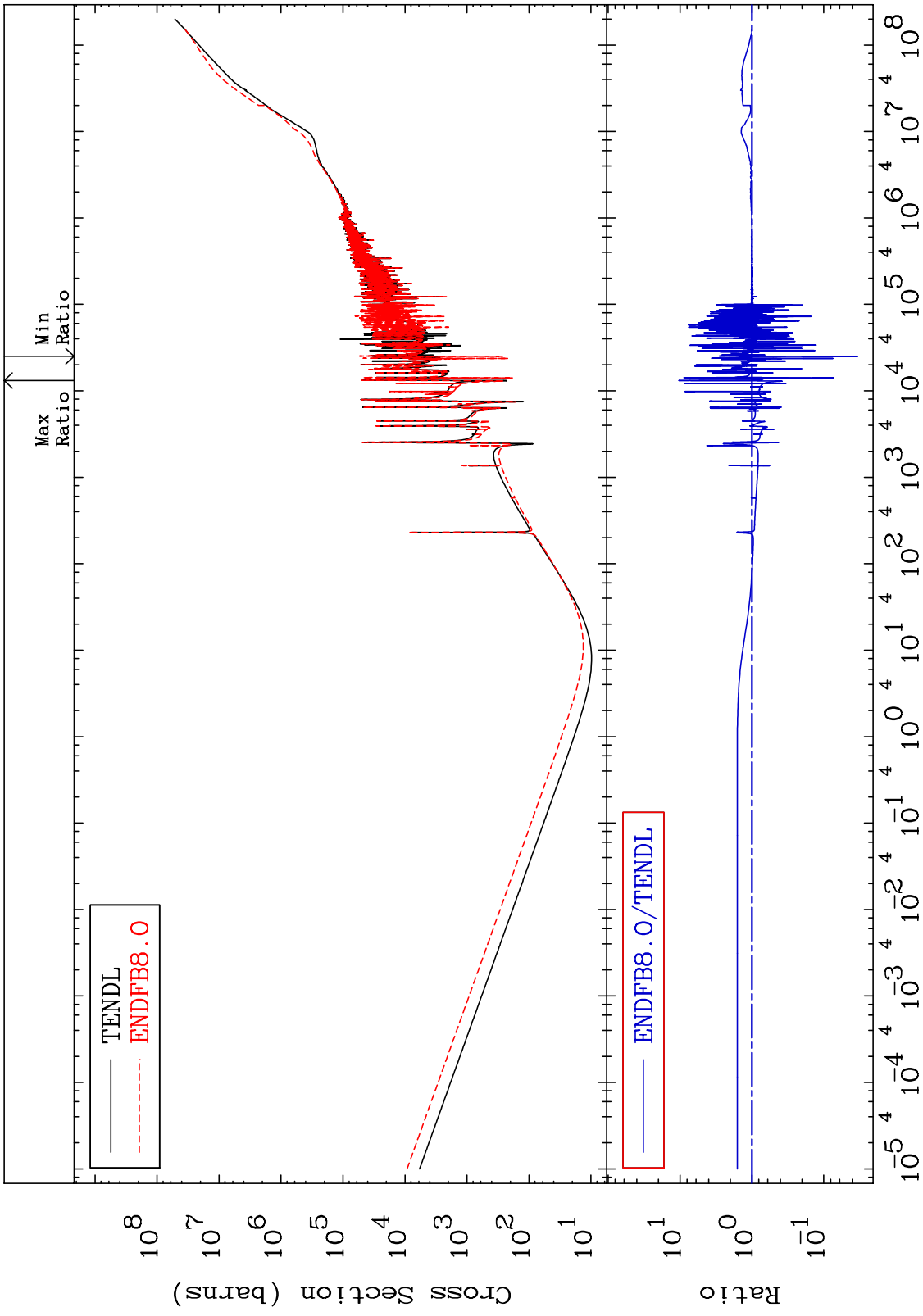
MAT 2931

Total photon (eV-barns)
Cross Section

29-Cu-65
-99.97 To 9999. %



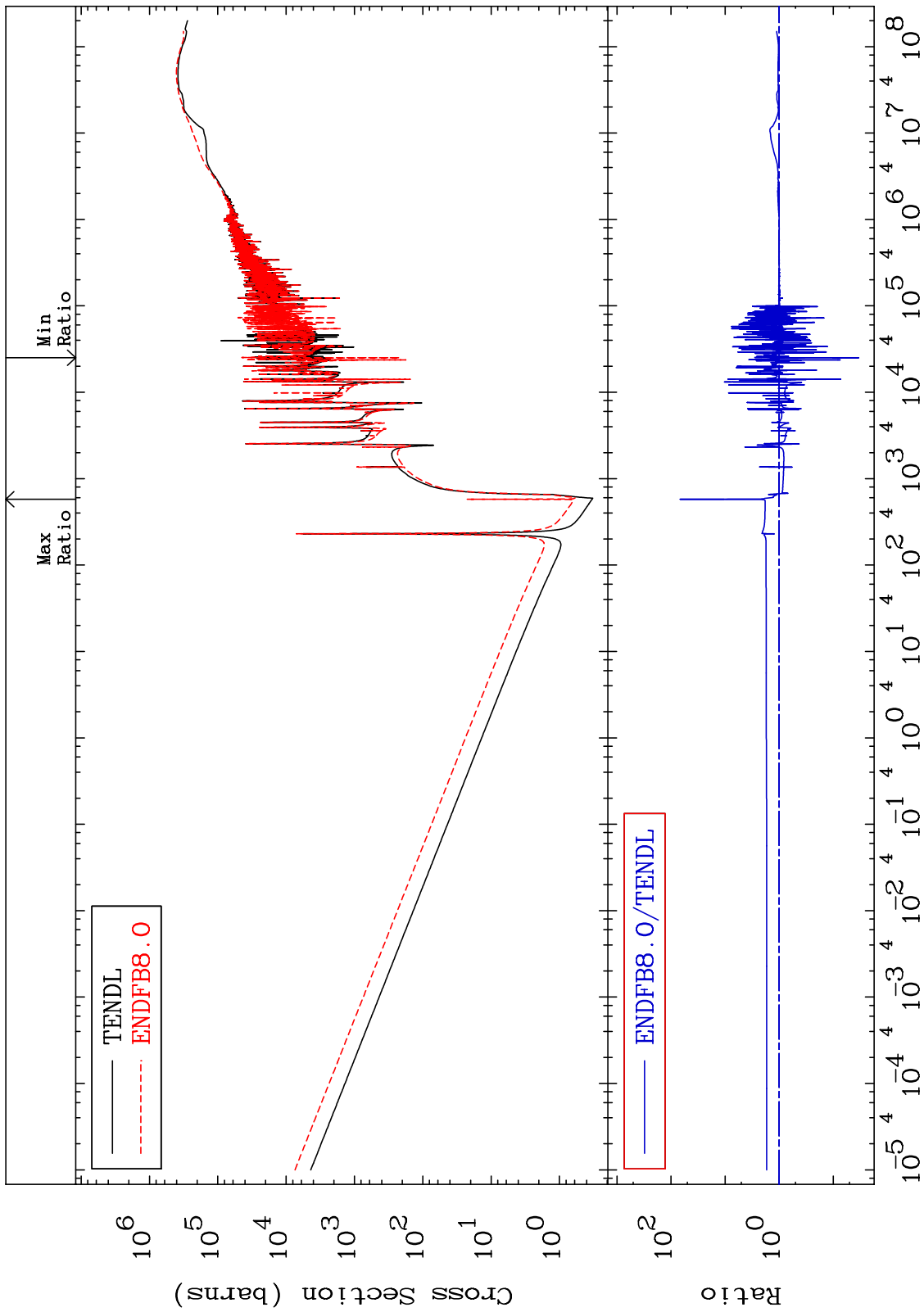
MAT 2931 Total kinematic kerma (high limit) Cross Section -96.65 To 933.7 % 29-Cu-65



MAT 2931

Dpa total (eV-barns)
Cross Section

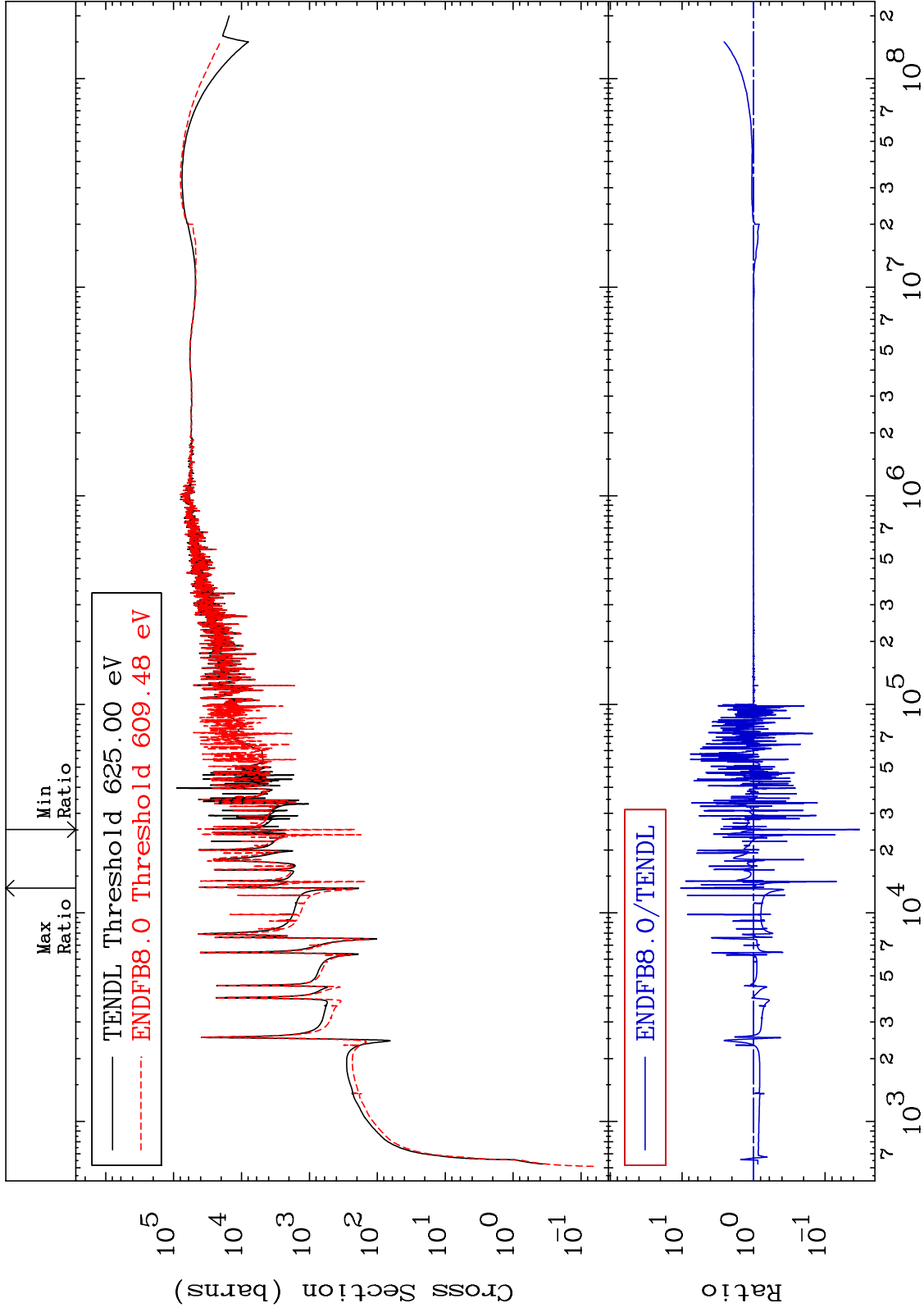
29-Cu-65
-96.65 To 6663. %



MAT 2931

Dpa elastic (mt2)
Cross Section

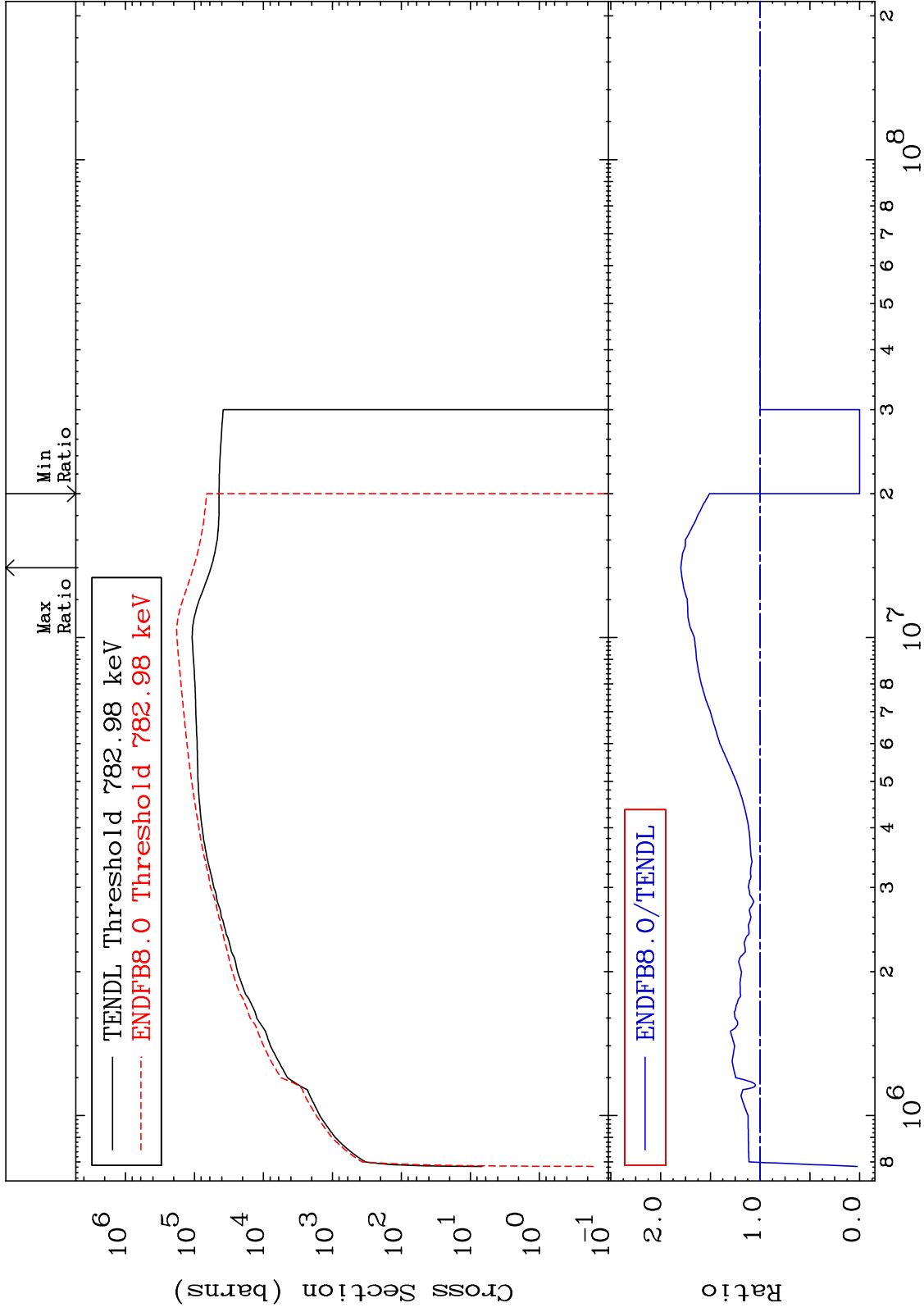
29-Cu-65
-96.71 To 937.9 %



MAT 2931

Dpa inelastic (mt51-91)
Cross Section

29-Cu-65
-100.0 To 79.71 %



60

Incident Energy (eV)

29-Cu-65

MAT 2931

Dpa disappearance (mt102 -120)
Cross Section

29-Cu-65
-100.0 To 9999. %

