

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

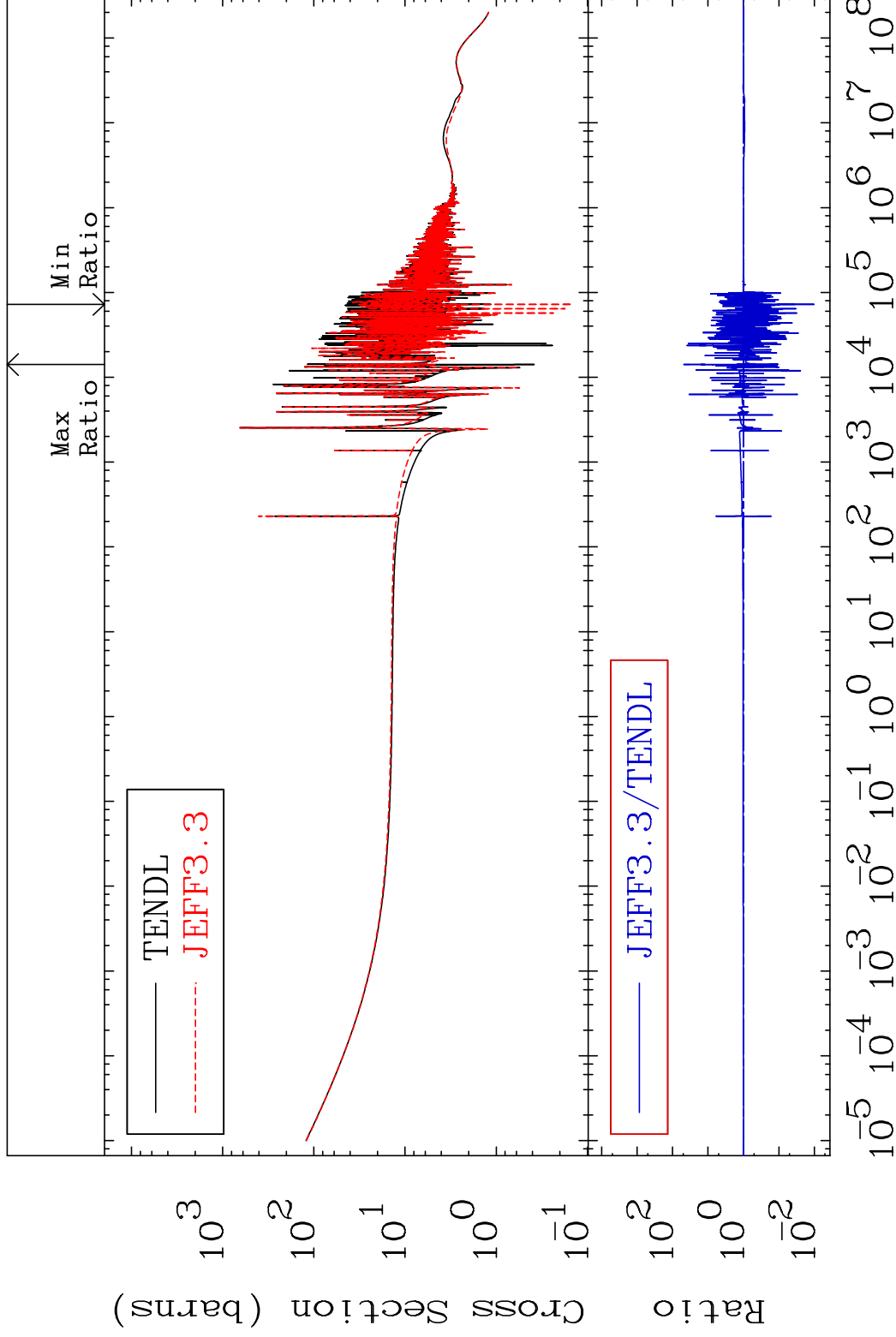
MAT 2931

Total

29-Cu-65

Cross Section

-98.99 To 4753. %



1

Incident Energy (eV)

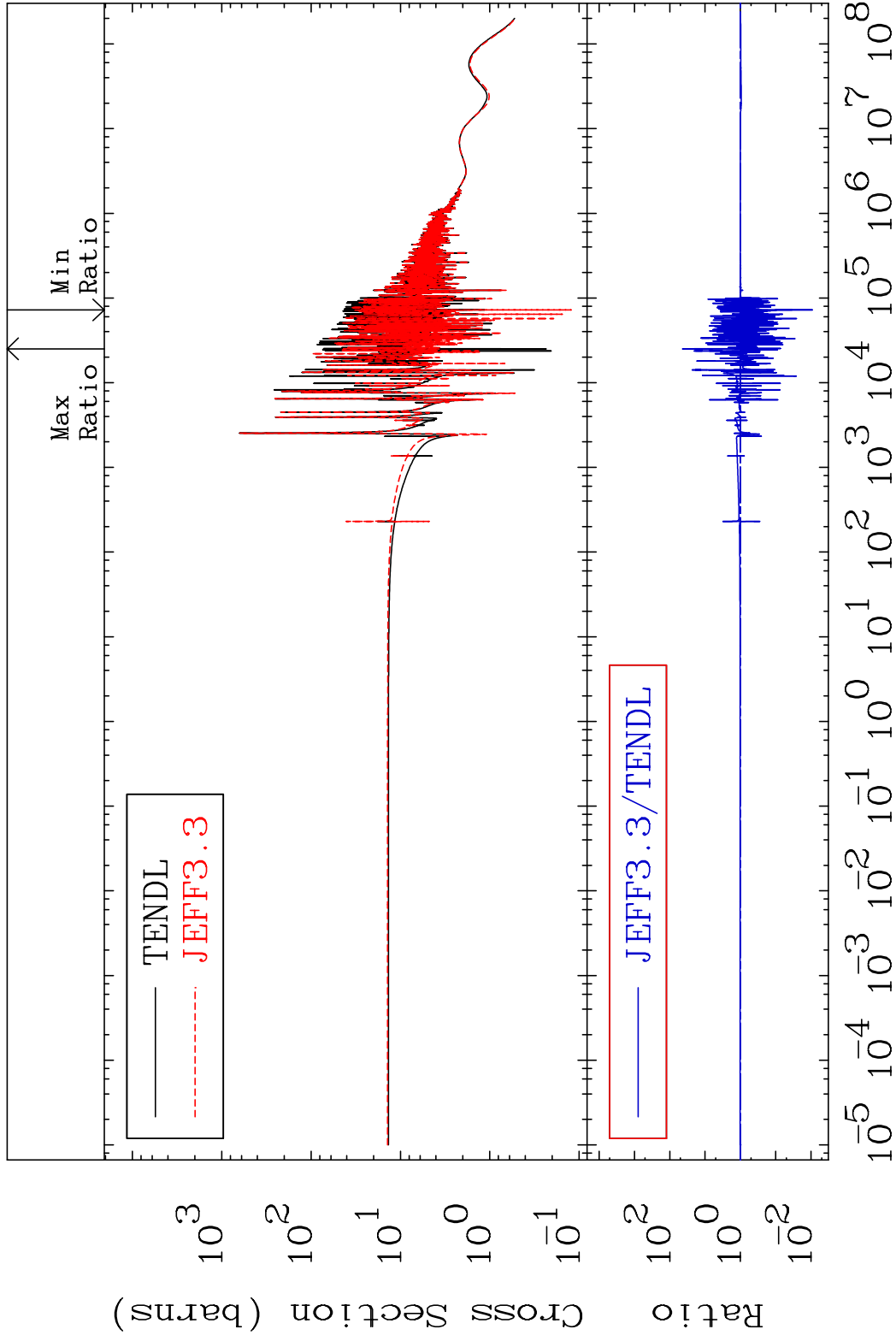
29-Cu-65

MAT 2931

Elastic

29-Cu-65

Cross Section -99.09 To 4294. %

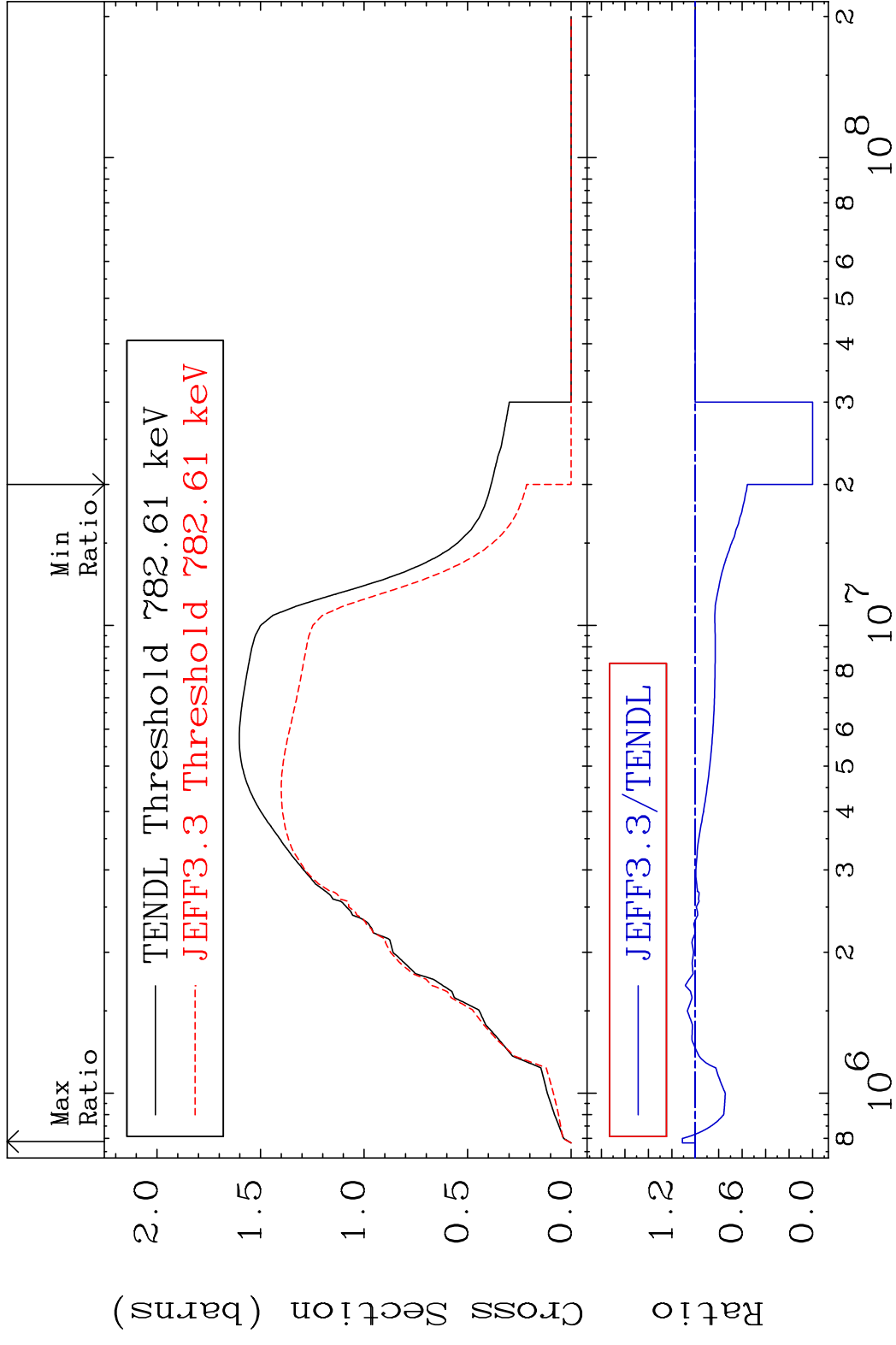


2

Incident Energy (eV)

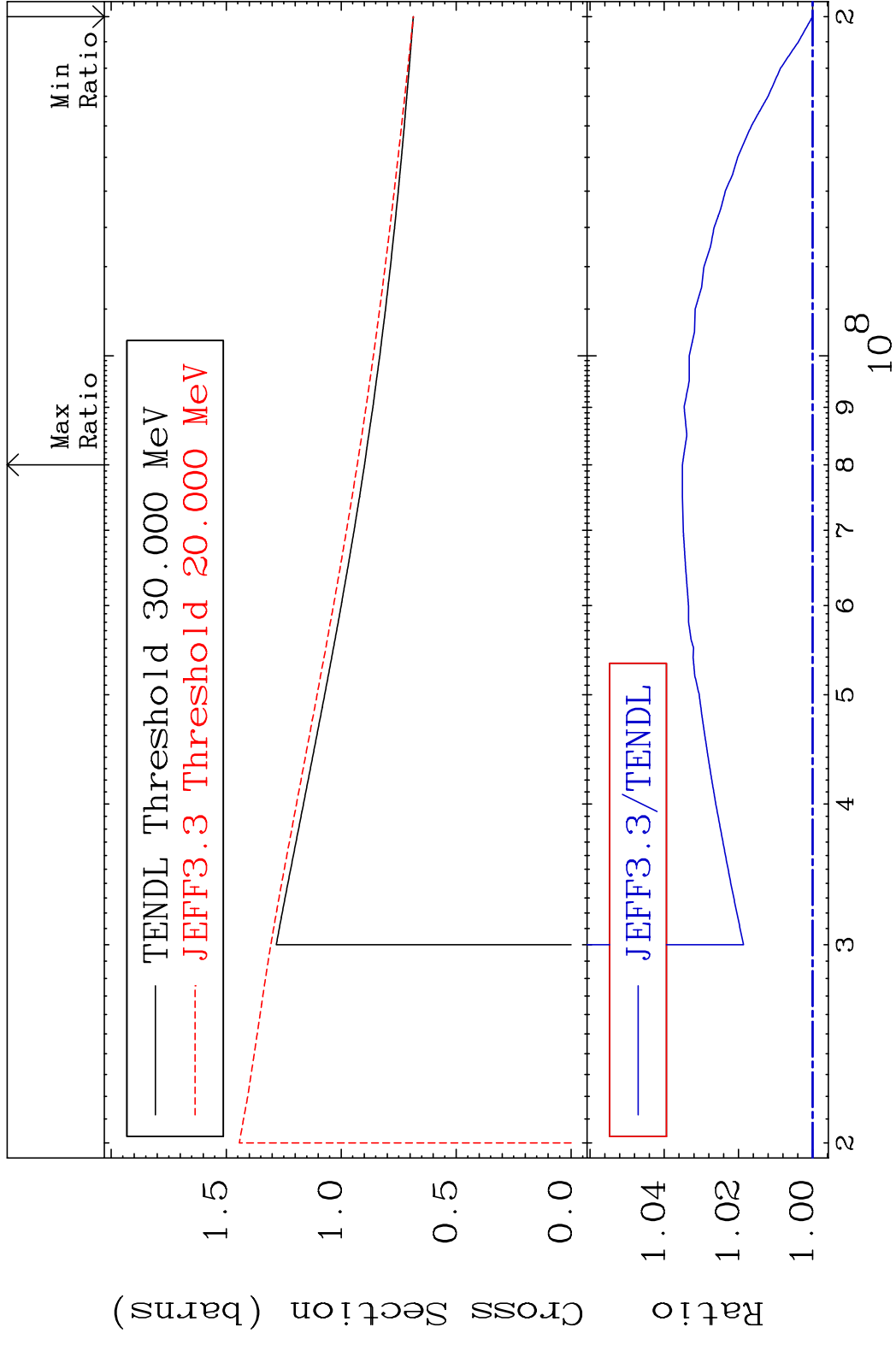
29-Cu-65

MAT 2931 Inelastic Cross Section -100.0 To 10.99 % 29-Cu-65



3 Incident Energy (eV) 29-Cu-65

MAT 2931 (n, remainder) 29-Cu-65
 Cross Section 0.001 To 3.512 %



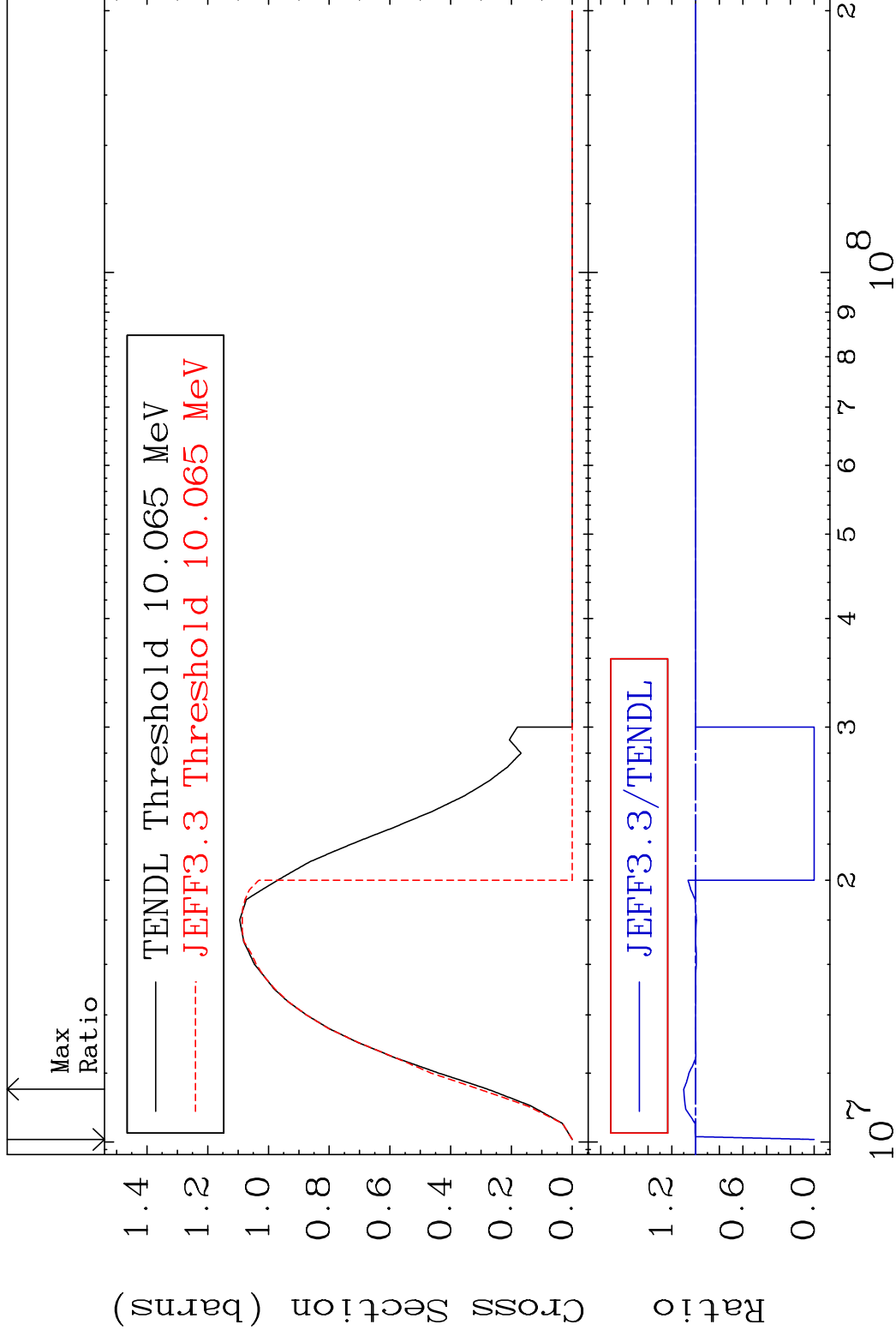
4 Incident Energy (eV) 29-Cu-65

MAT 2931

(n,2n)

29-Cu-65

Cross Section -100.0 To 10.04 %



5

Incident Energy (eV)

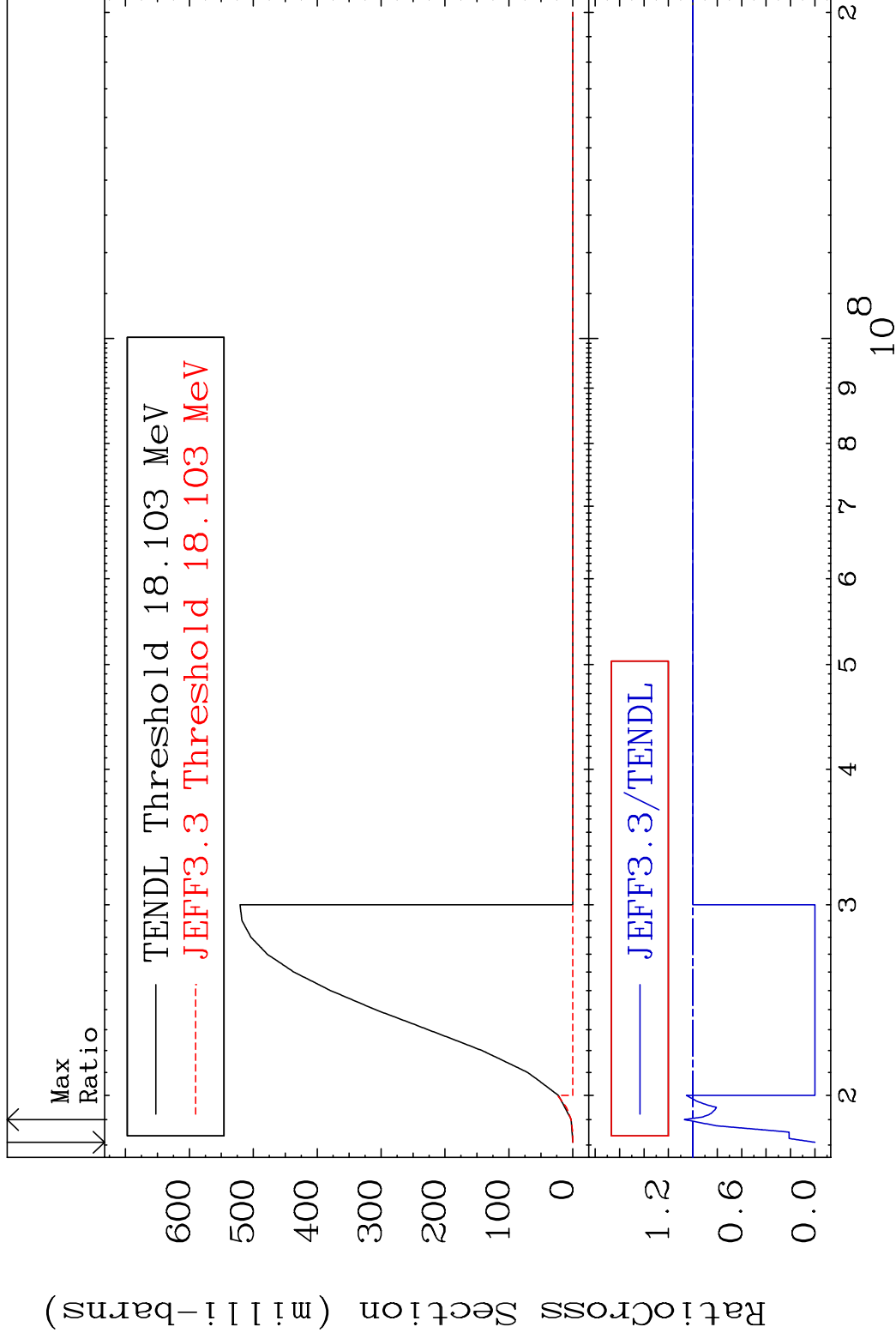
29-Cu-65

MAT 2931

(n,3n)

29-Cu-65

Cross Section -100.0 To 6.972 %

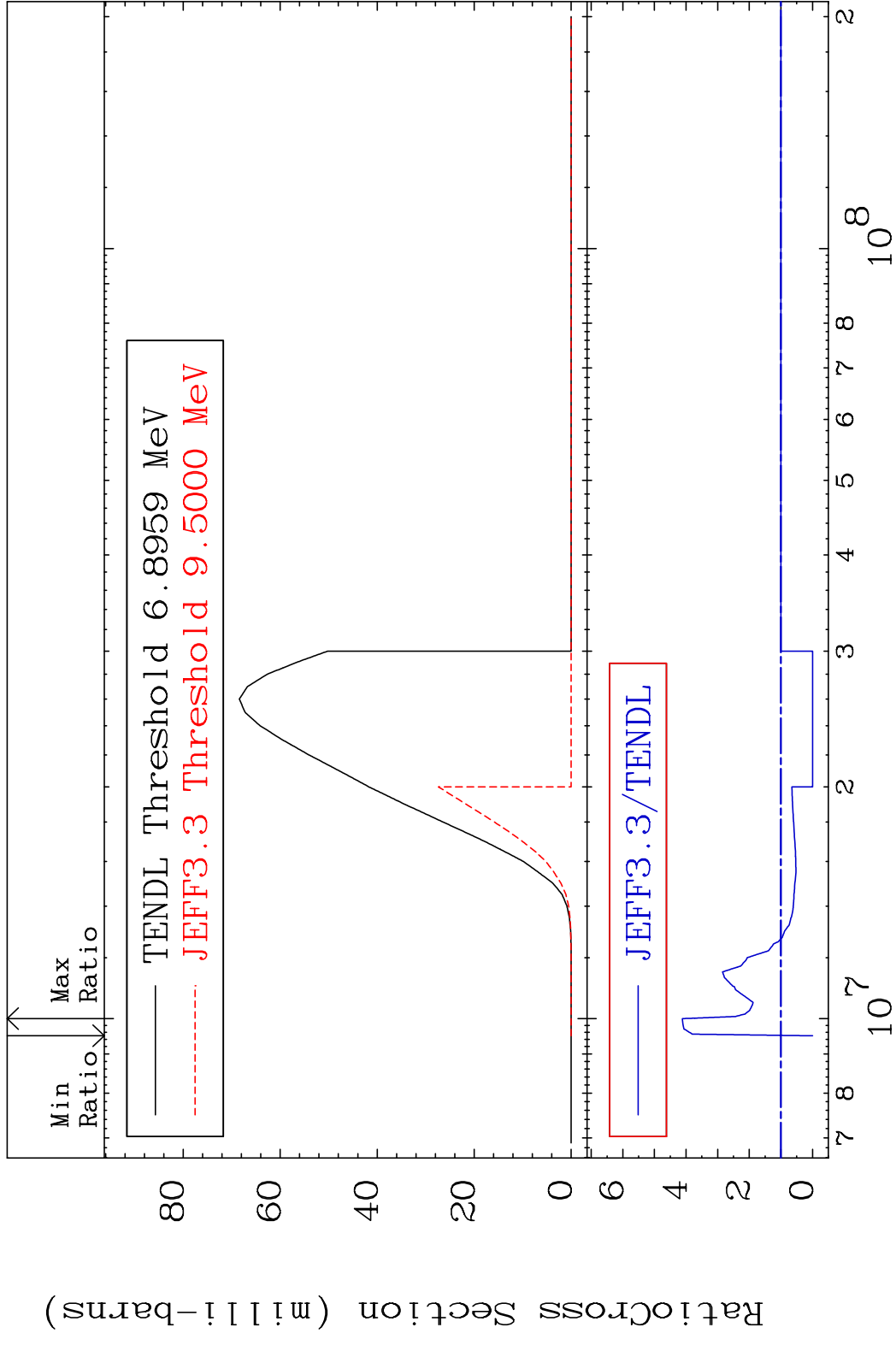


6

Incident Energy (eV)

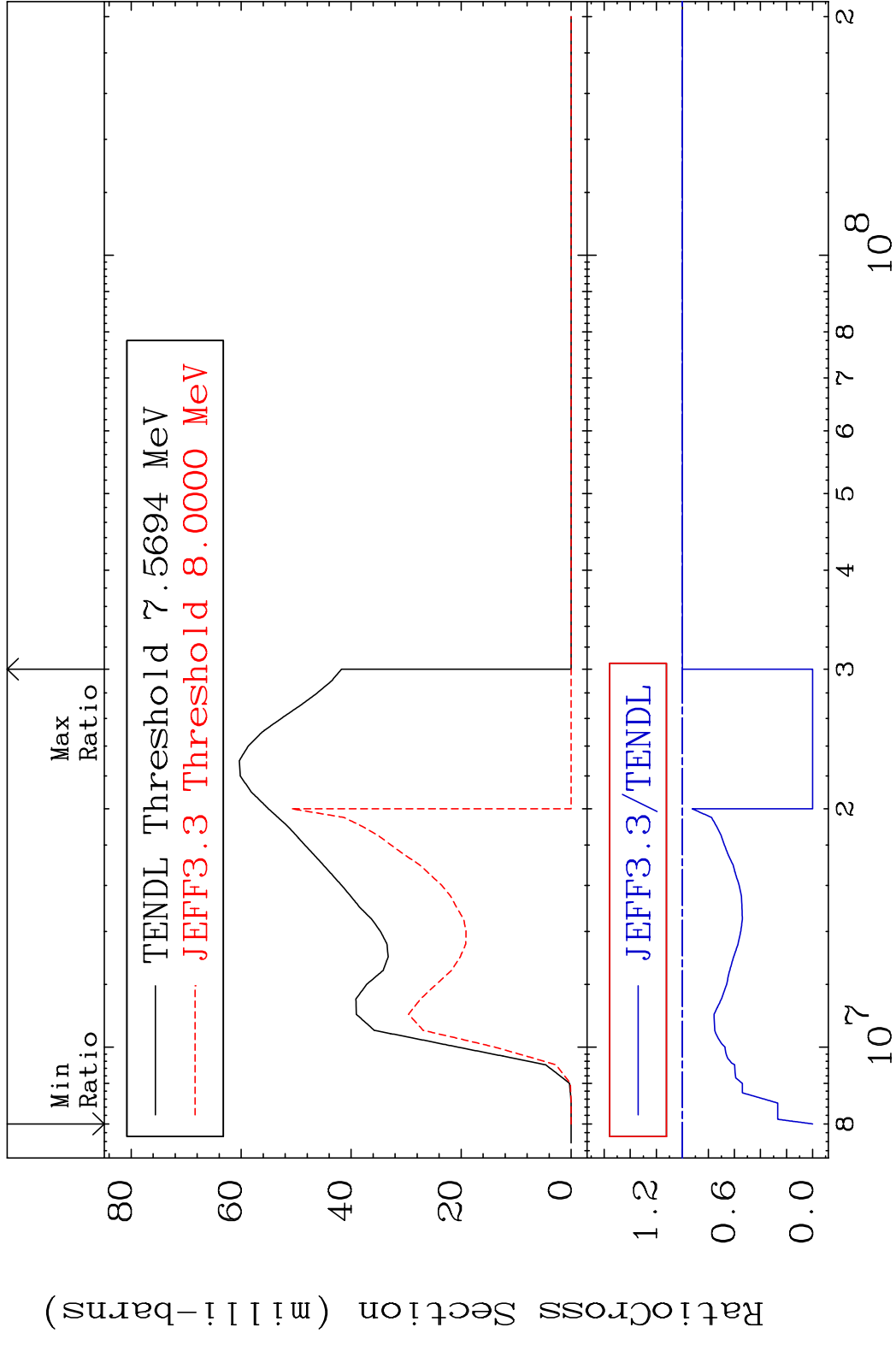
29-Cu-65

MAT 2931 (n, n') α 29-Cu-65
 Cross Section -100.0 To 311.8 %



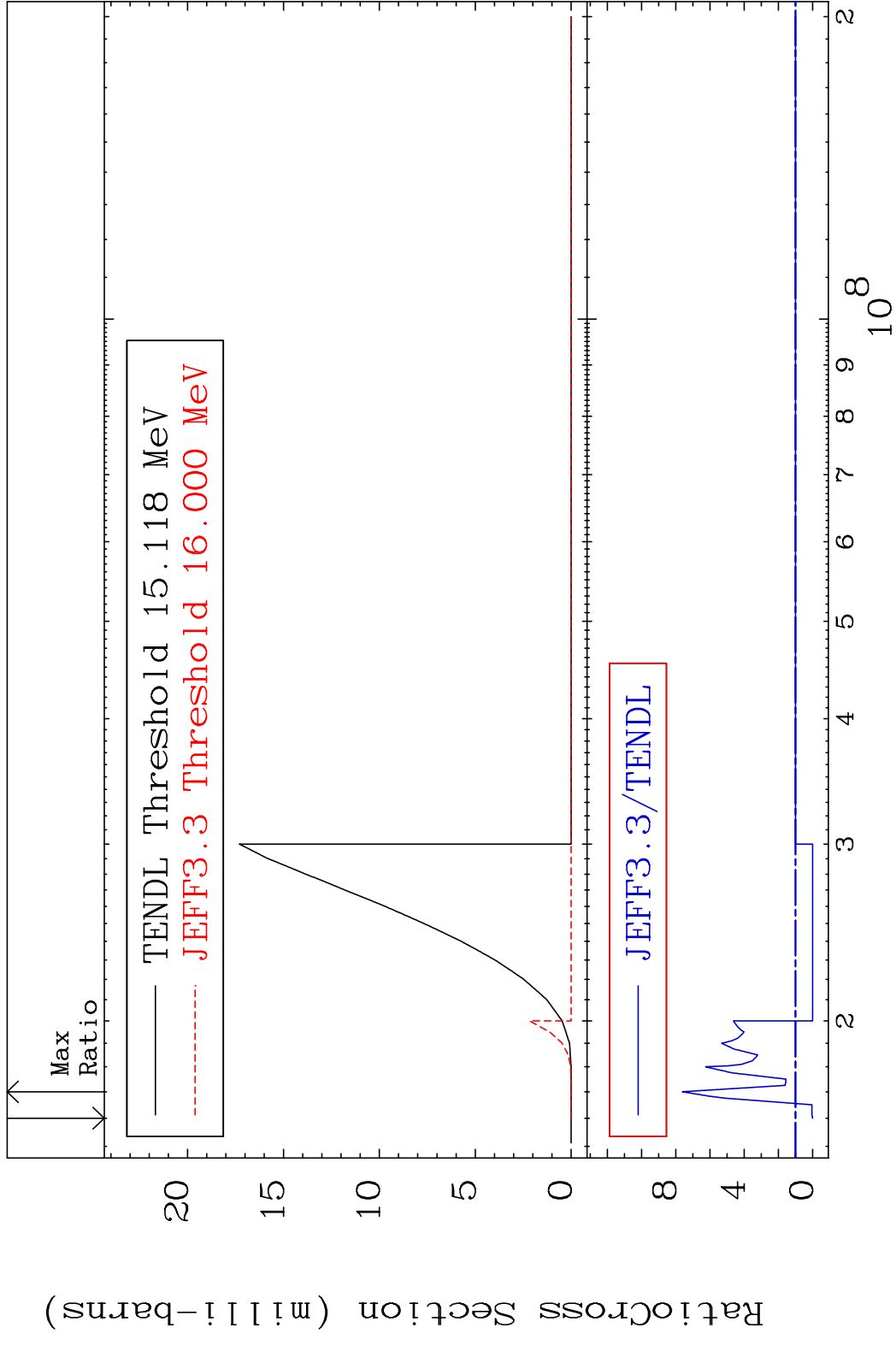
7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 29-Cu-65

MAT 2931 (n, n') p 29-Cu-65
 Cross Section -100.0 To 0.000 %

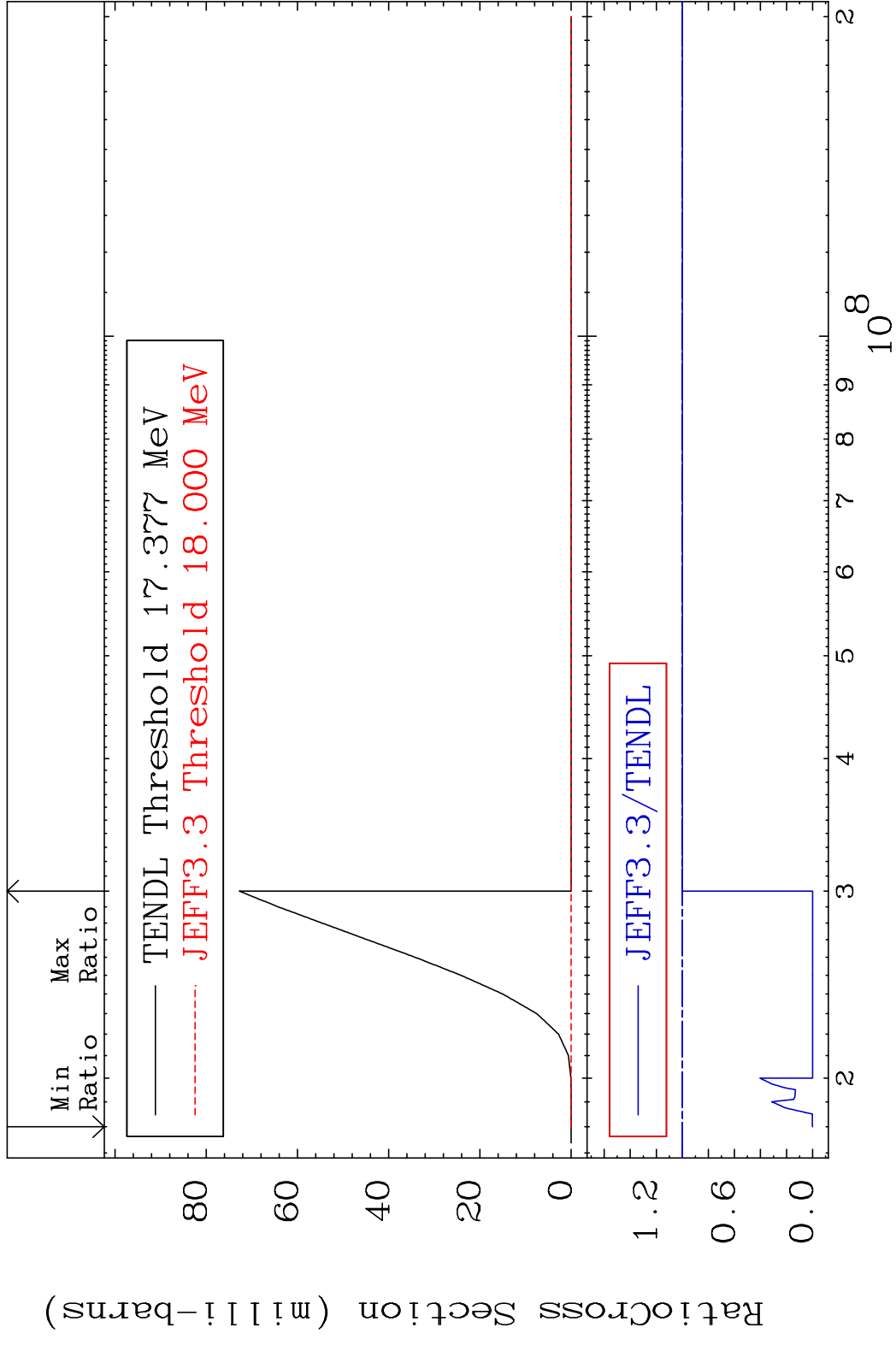


8 8 Incident Energy (eV) 29-Cu-65

MAT 2931 (n, n') d 29-Cu-65
 Cross Section -100.0 To 661.2 %

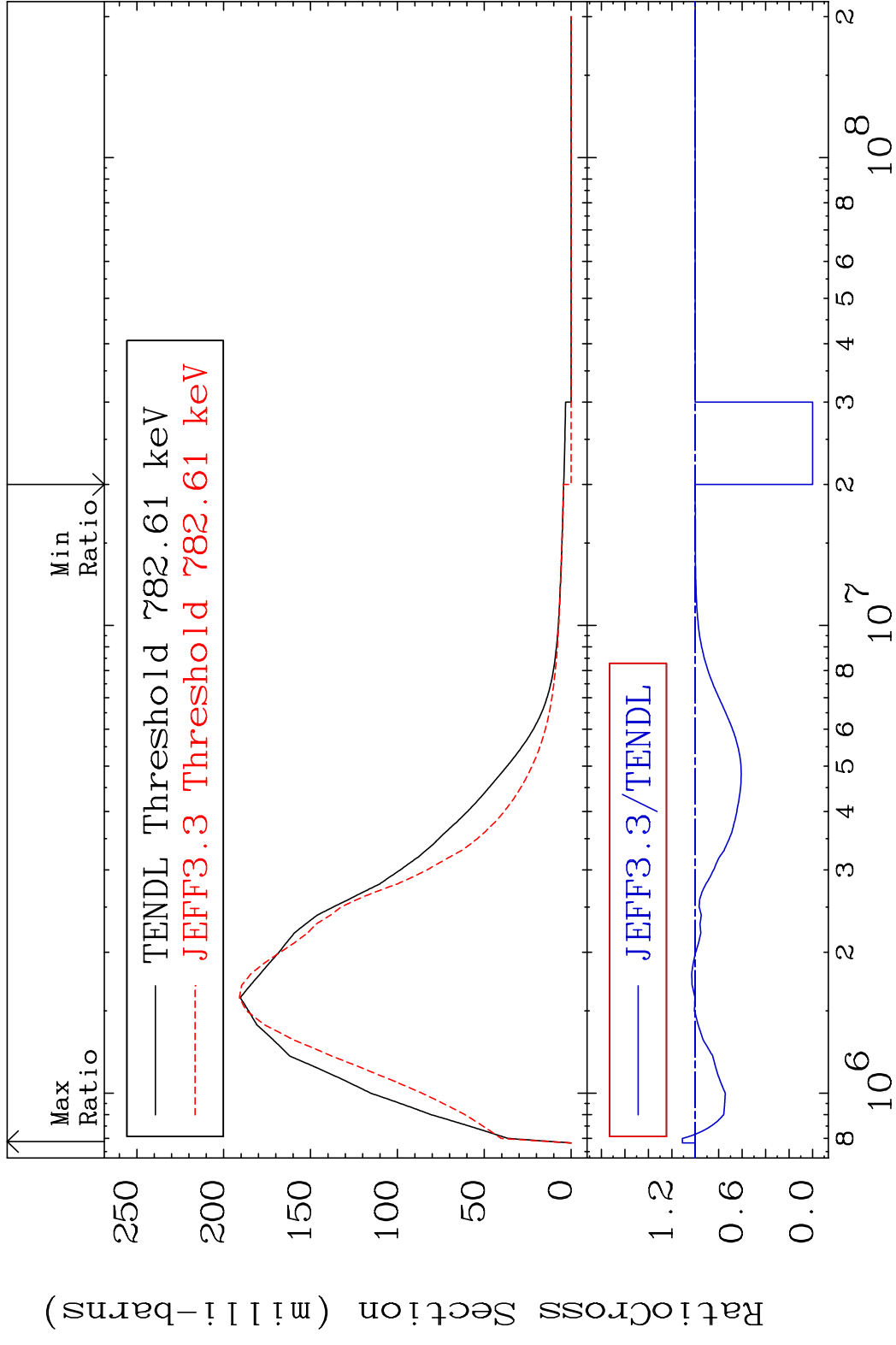


MAT 2931 (n,2n) p 29-Cu-65
 Cross Section -100.0 To 0.000 %

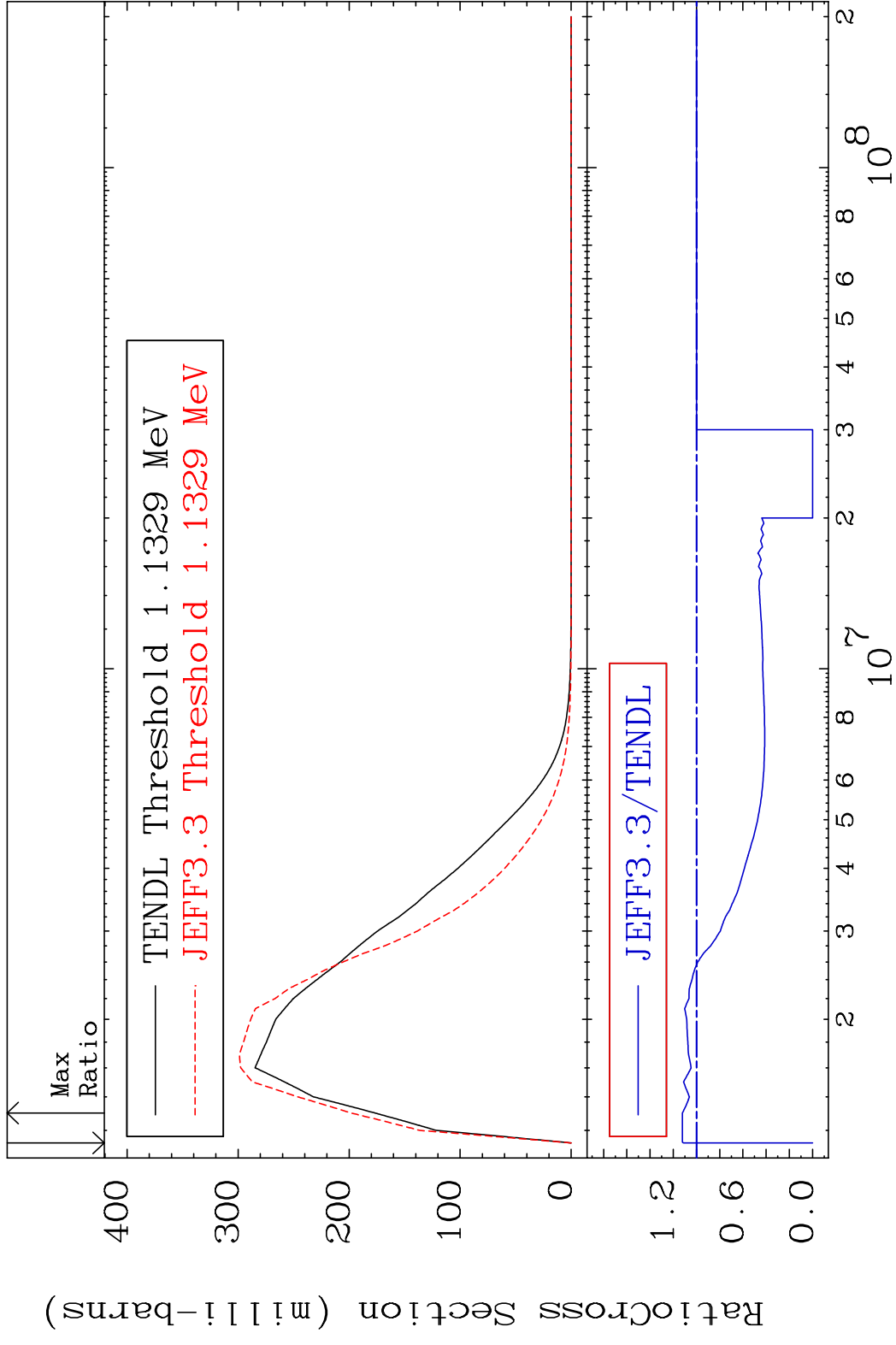


10 Incident Energy (eV) 29-Cu-65

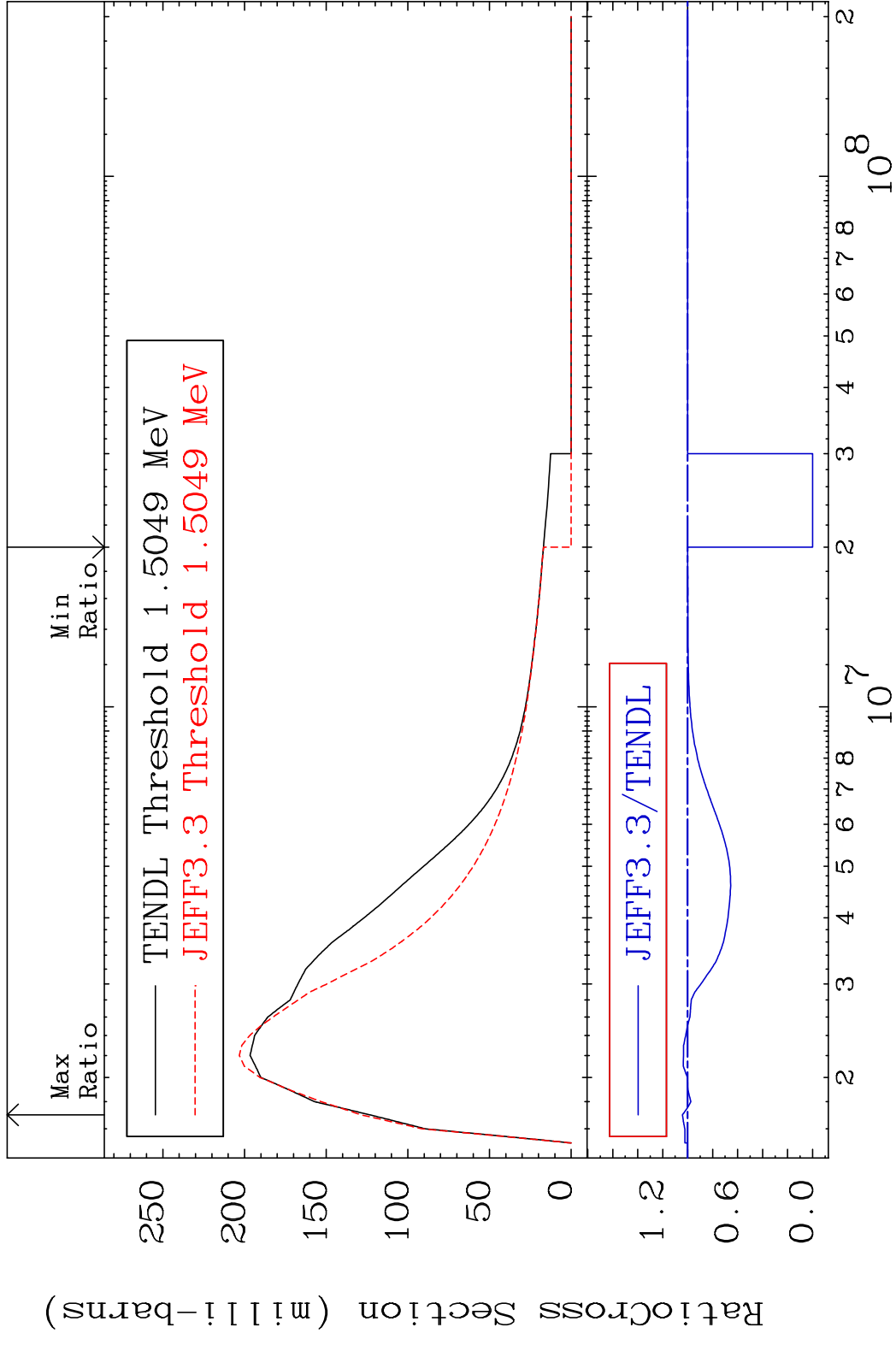
MAT 2931 MT= 51 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 10.99 %



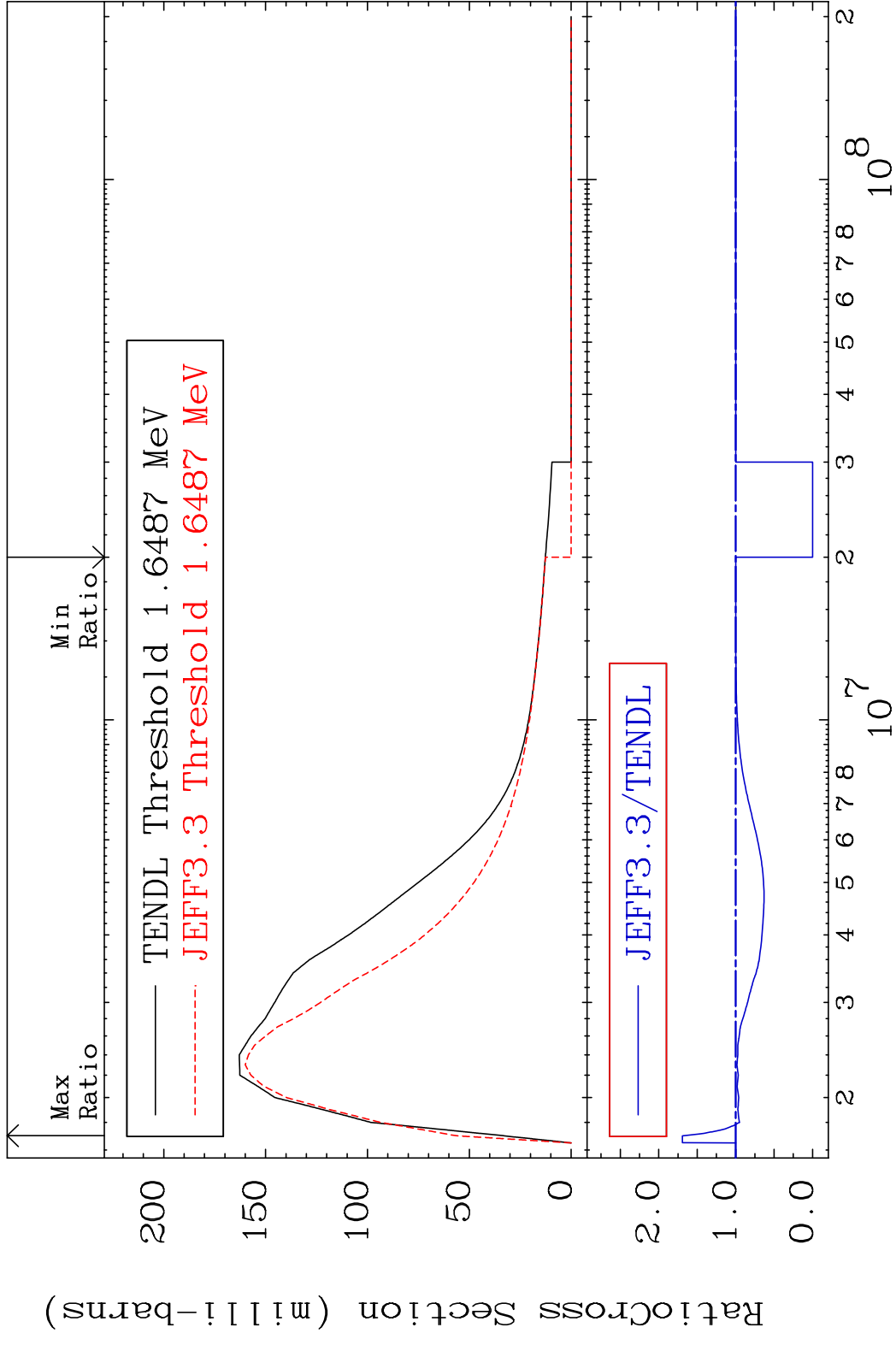
MAT 2931 MT= 52 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 12.18 %



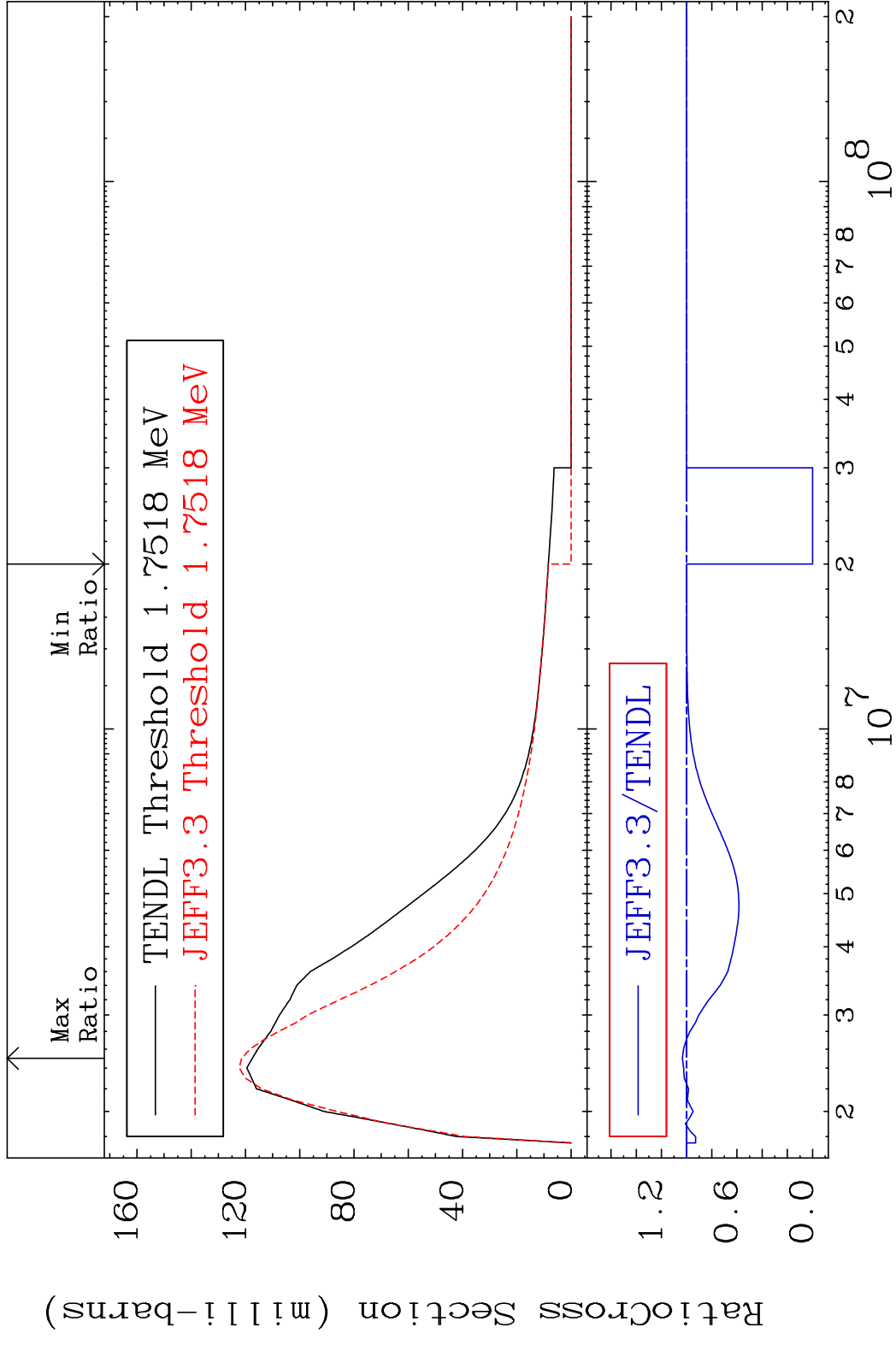
MAT 2931 MT= 53 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 4.267 %



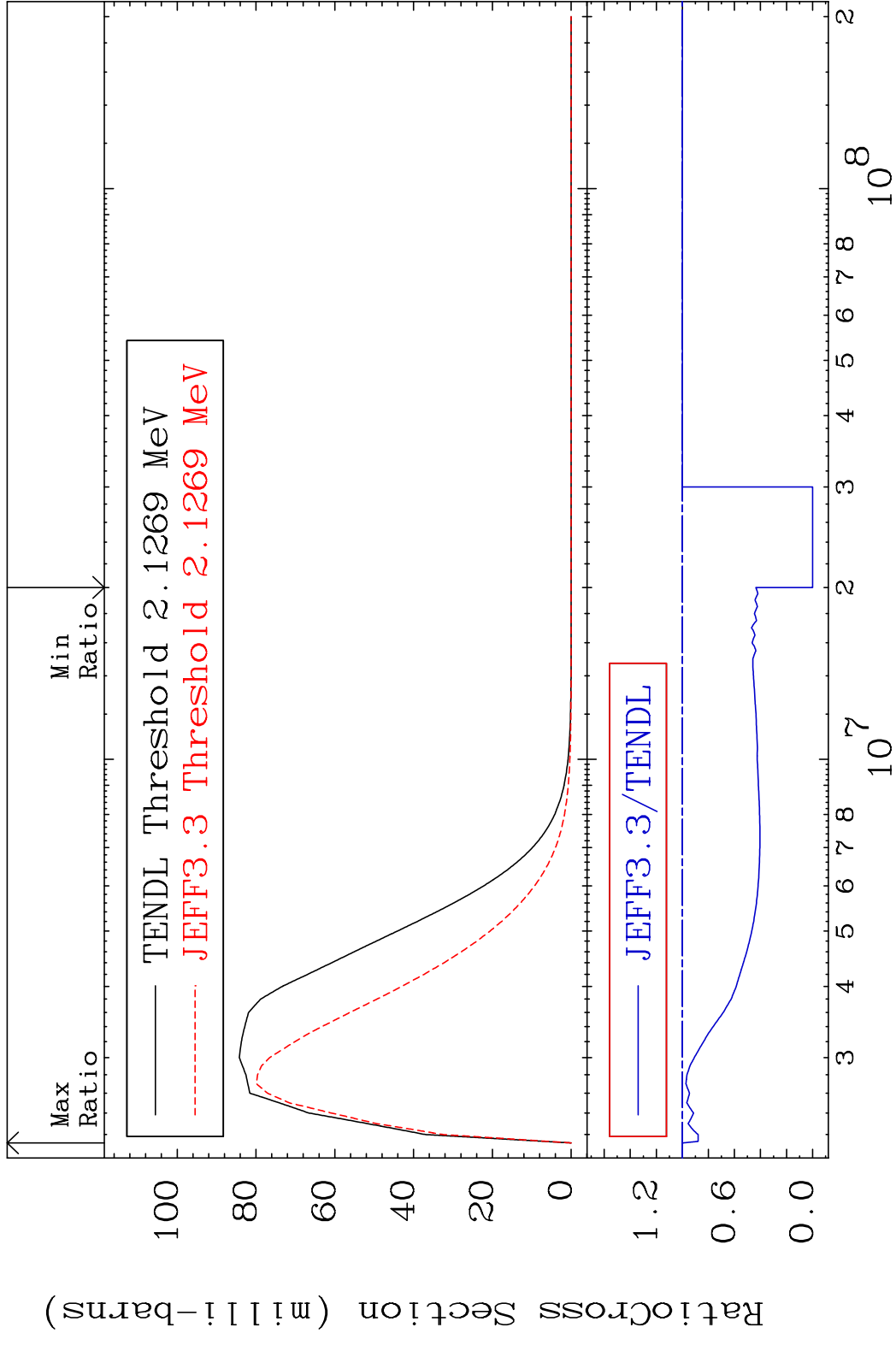
MAT 2931 MT= 54 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 69.28 %



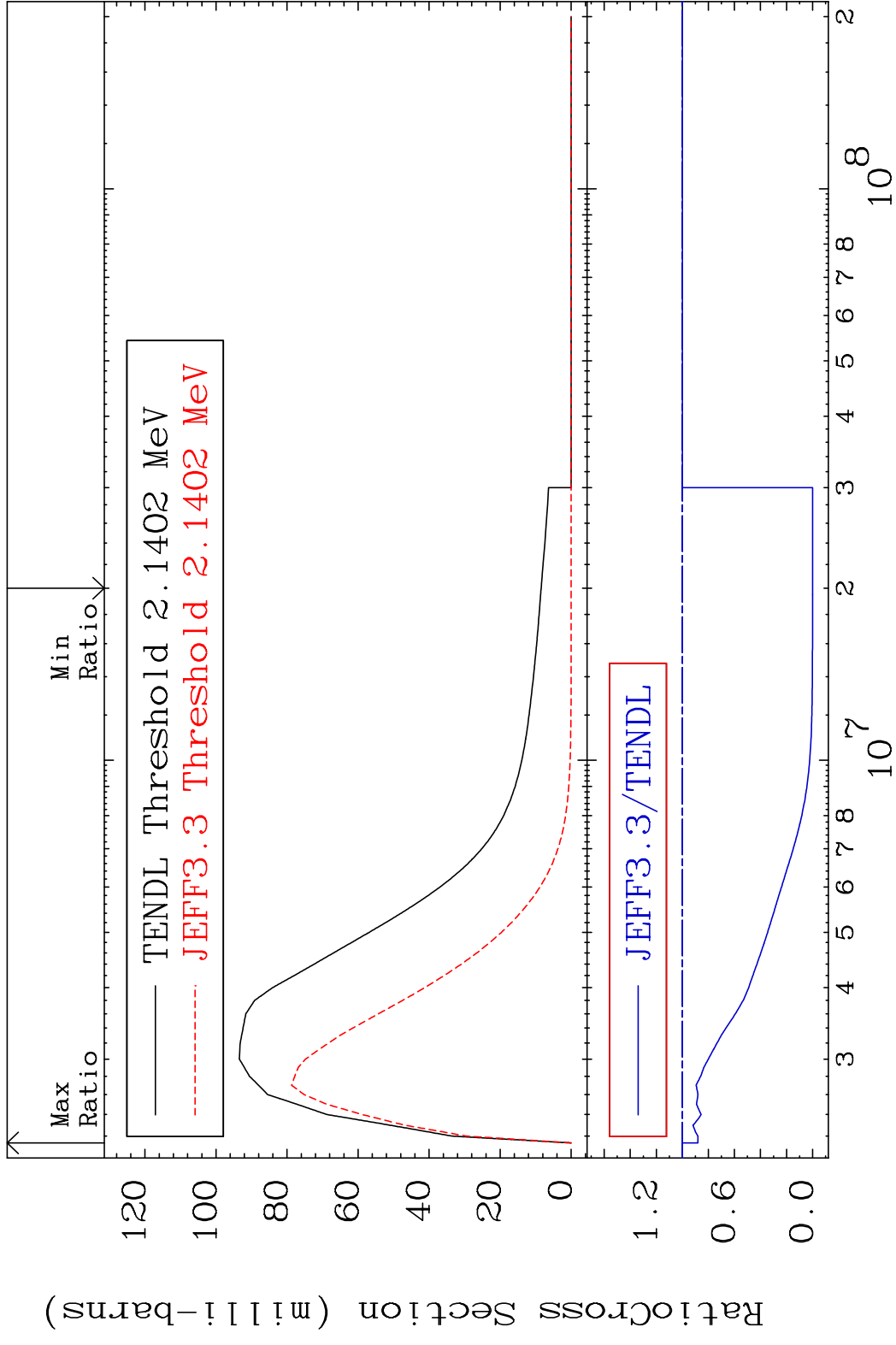
MAT 2931 MT= 55 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 3.374 %



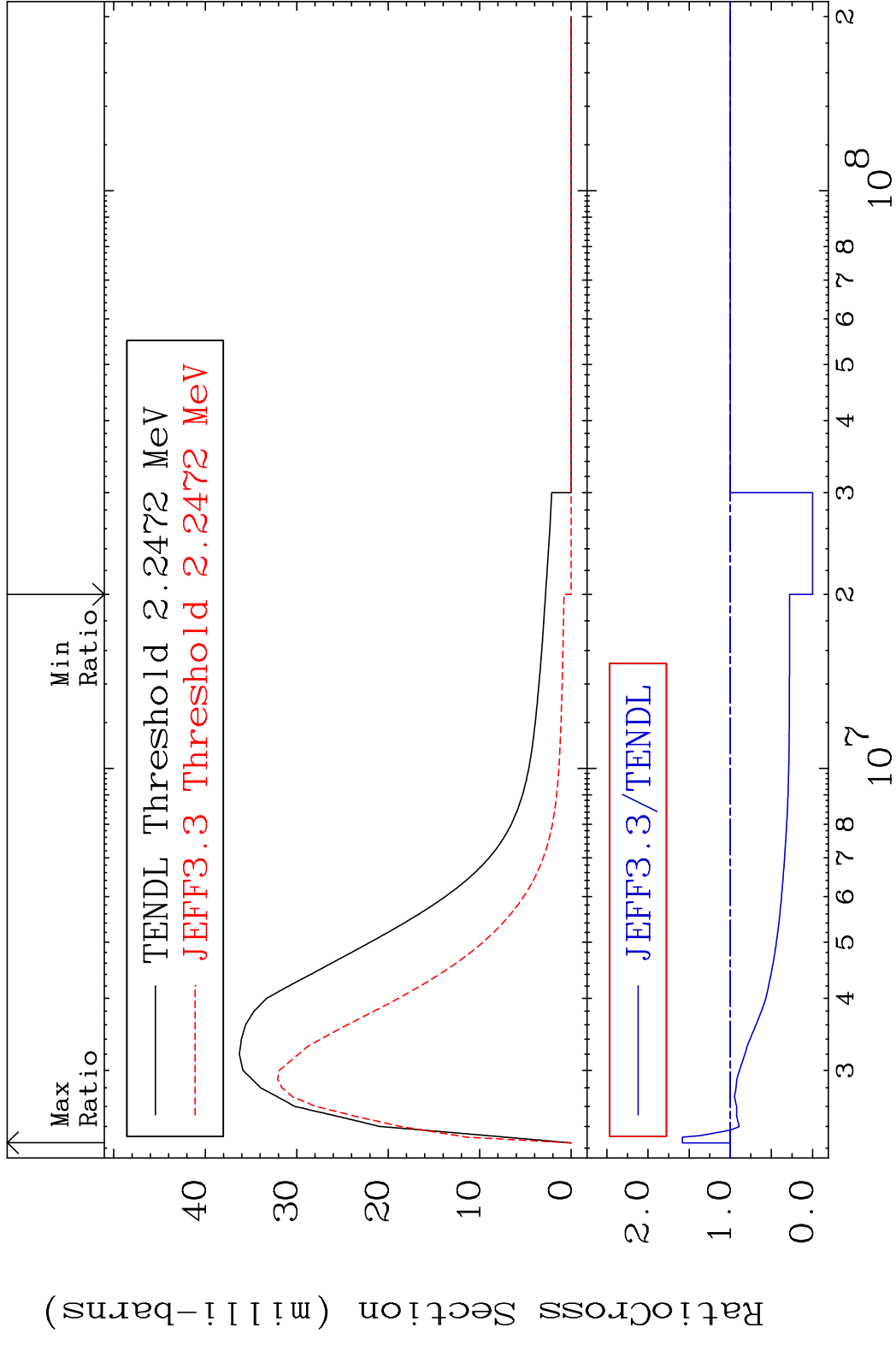
MAT 2931 MT= 56 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 0.000 %



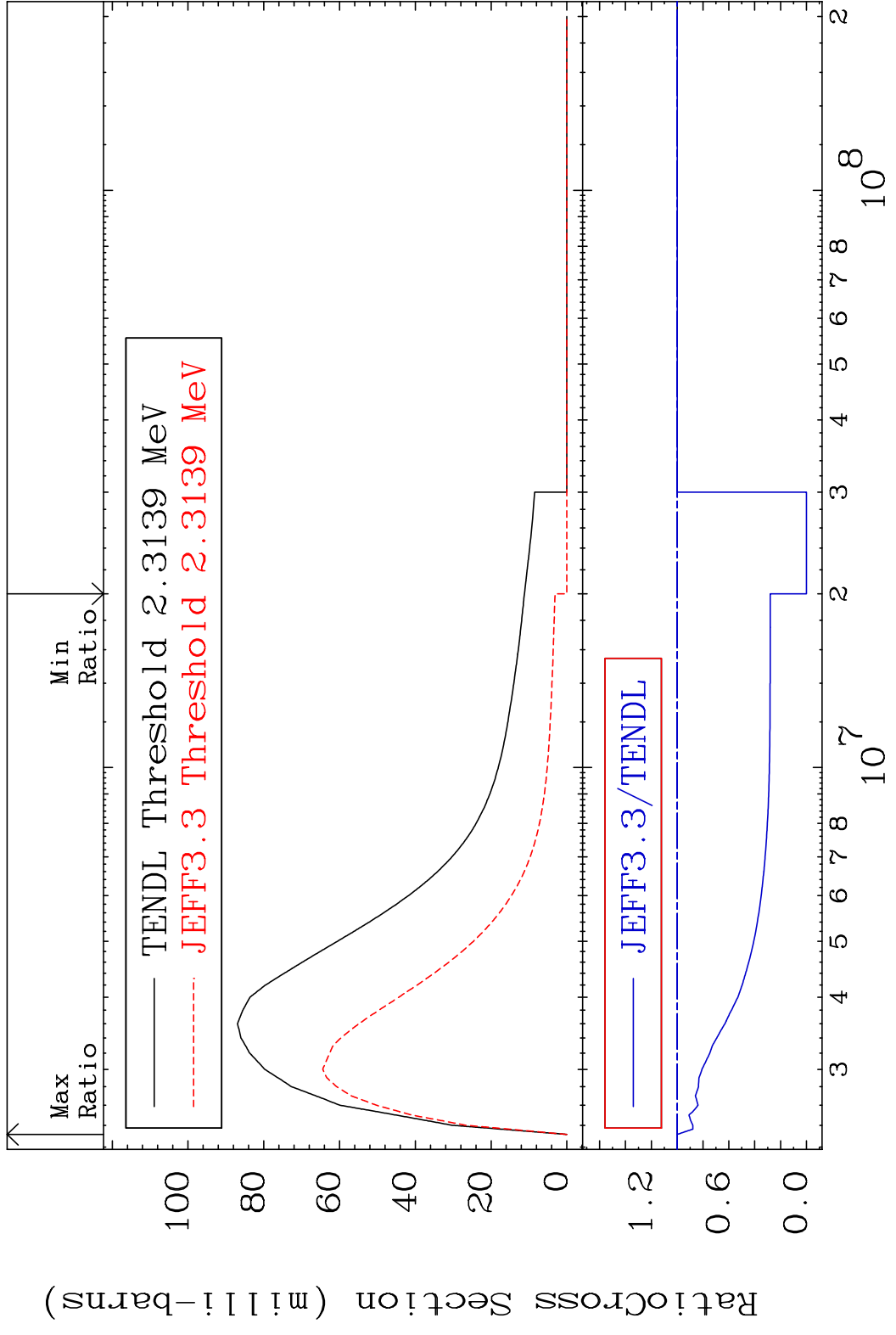
MAT 2931 MT= 57 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 0.000 %



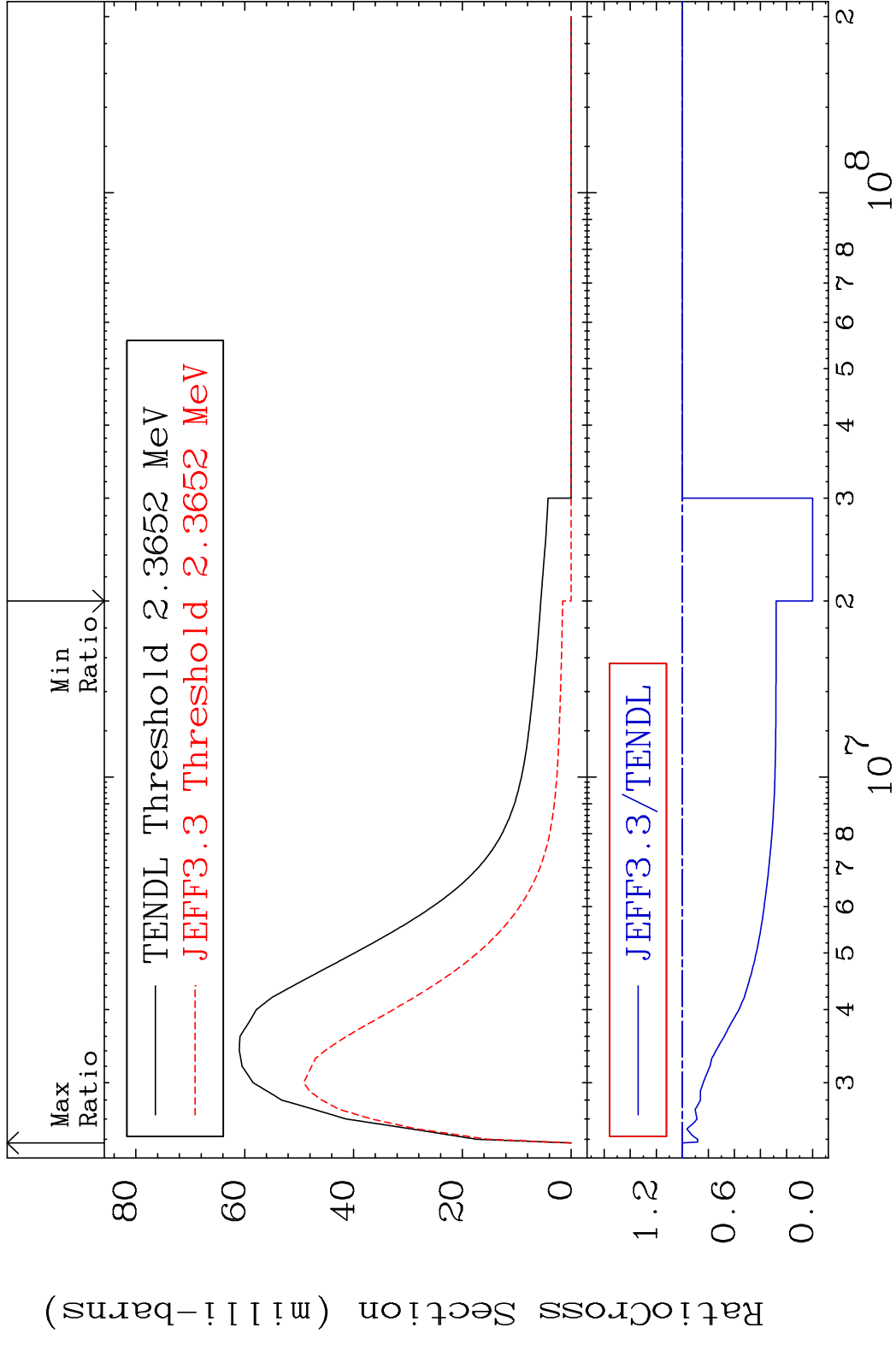
MAT 2931 MT= 58 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 58.28 %



MAT 2931 MT= 59 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 0.000 %

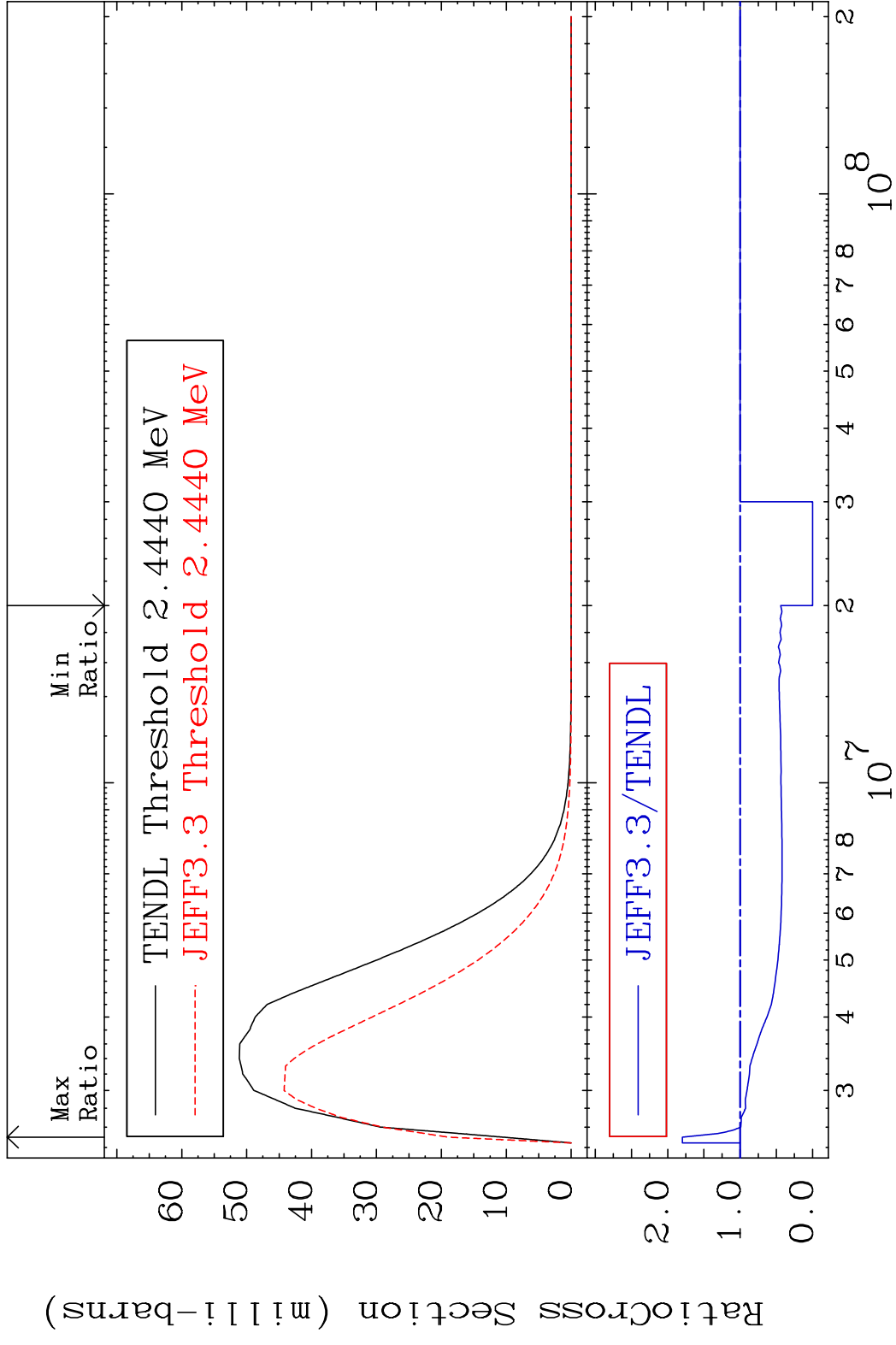


MAT 2931 MT= 60 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 0.000 %

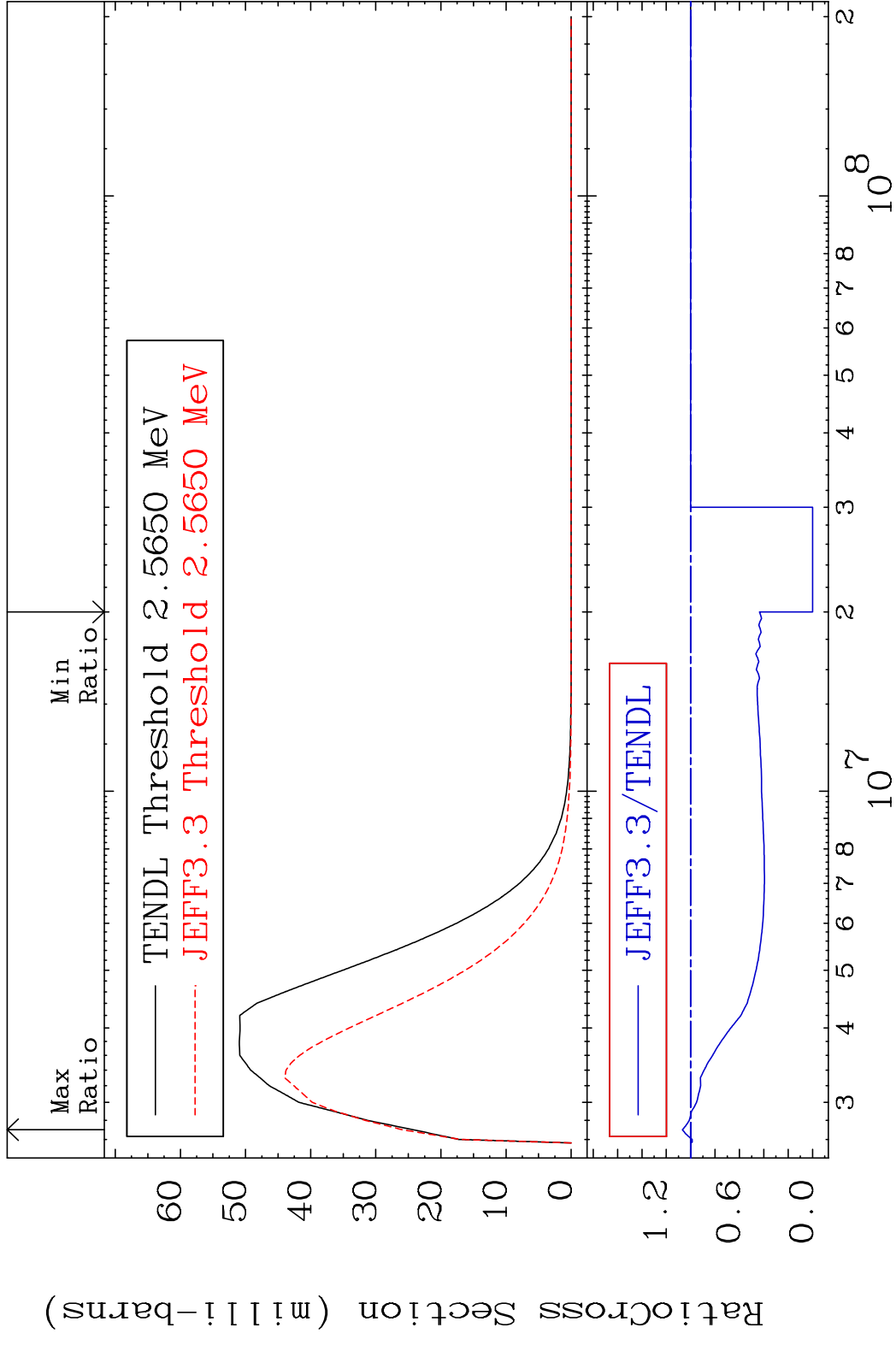


20 Incident Energy (eV) 29-Cu-65

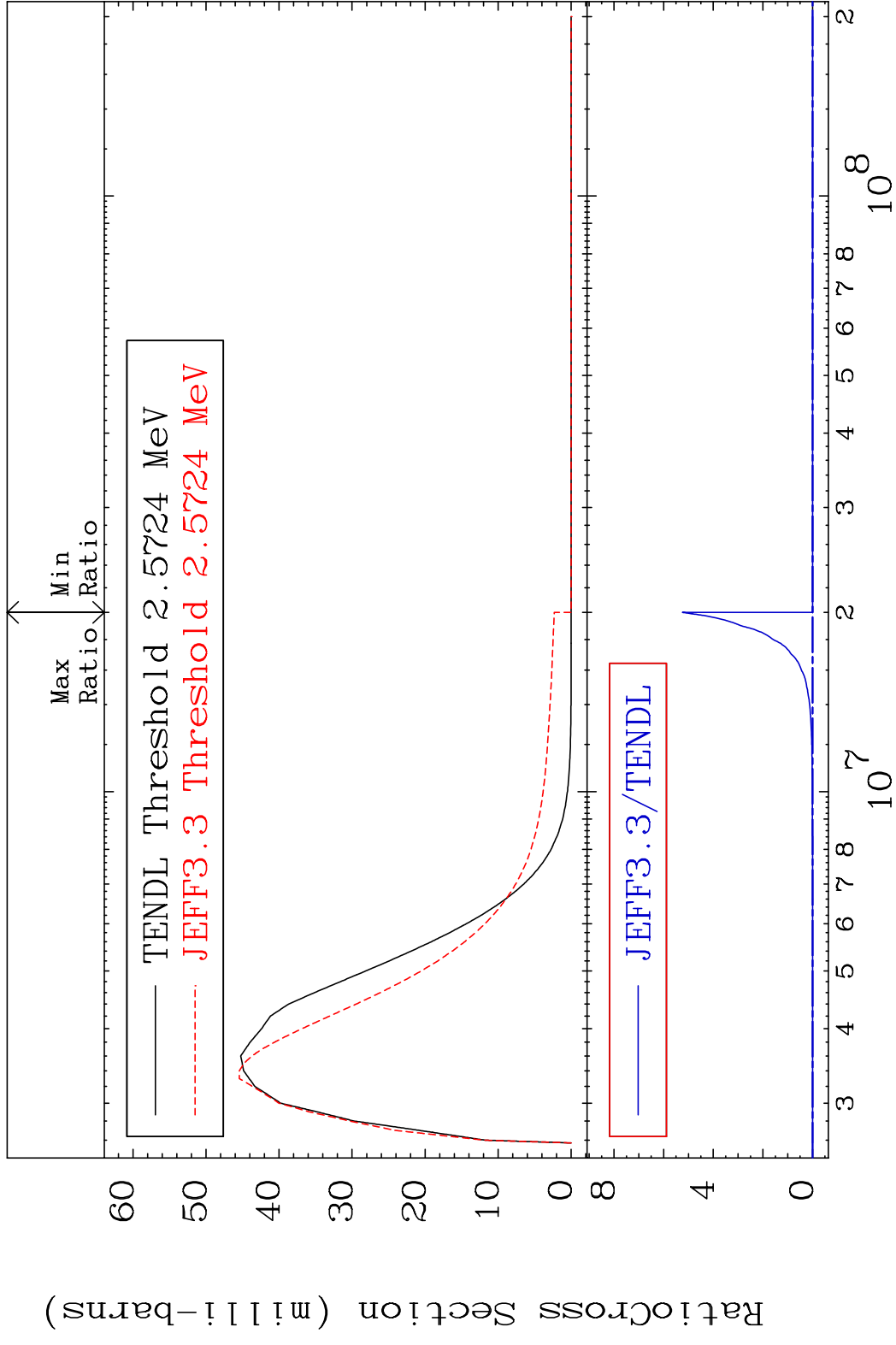
MAT 2931 MT= 61 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 79.77 %



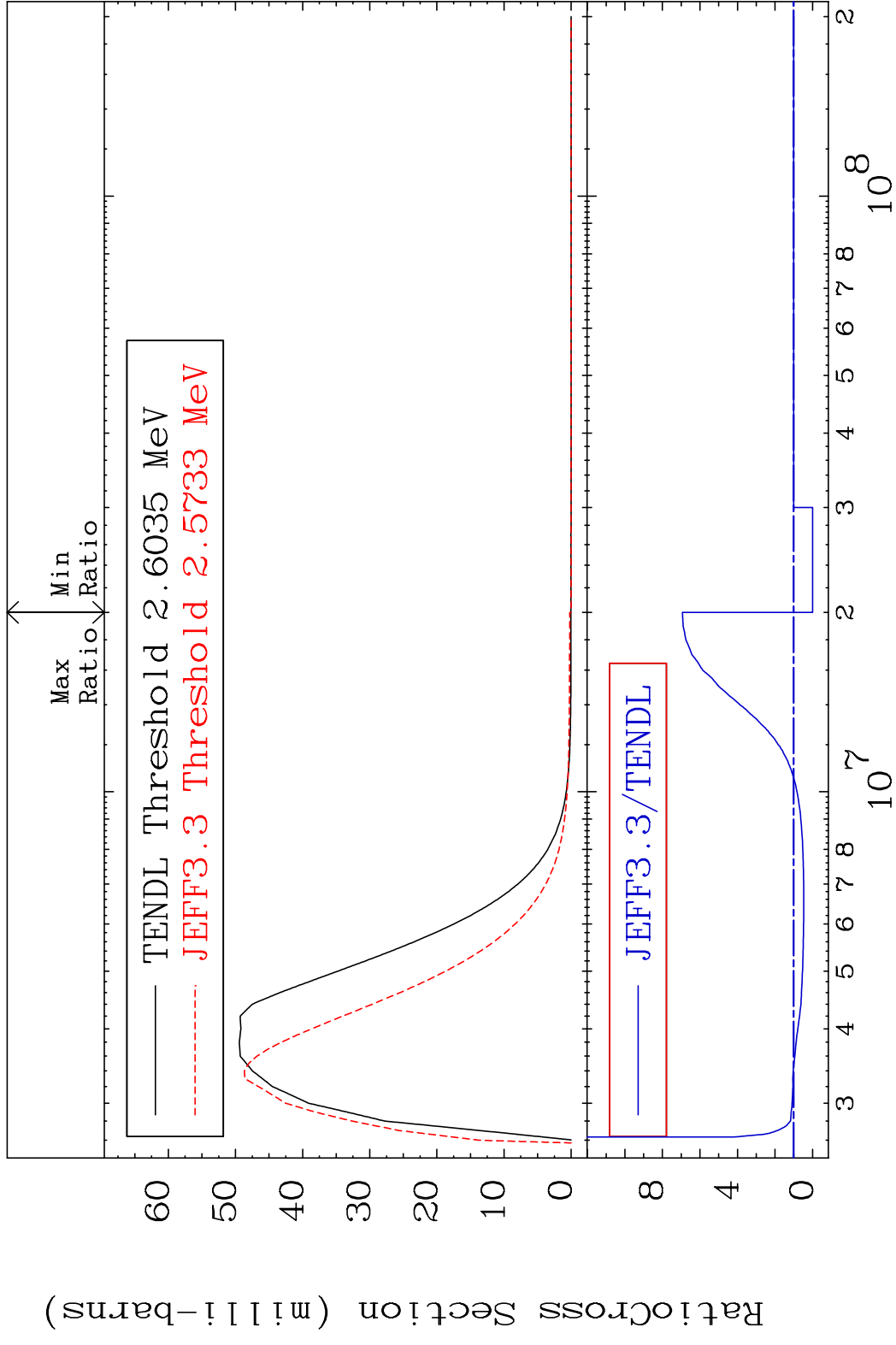
MAT 2931 MT= 62 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 6.819 %



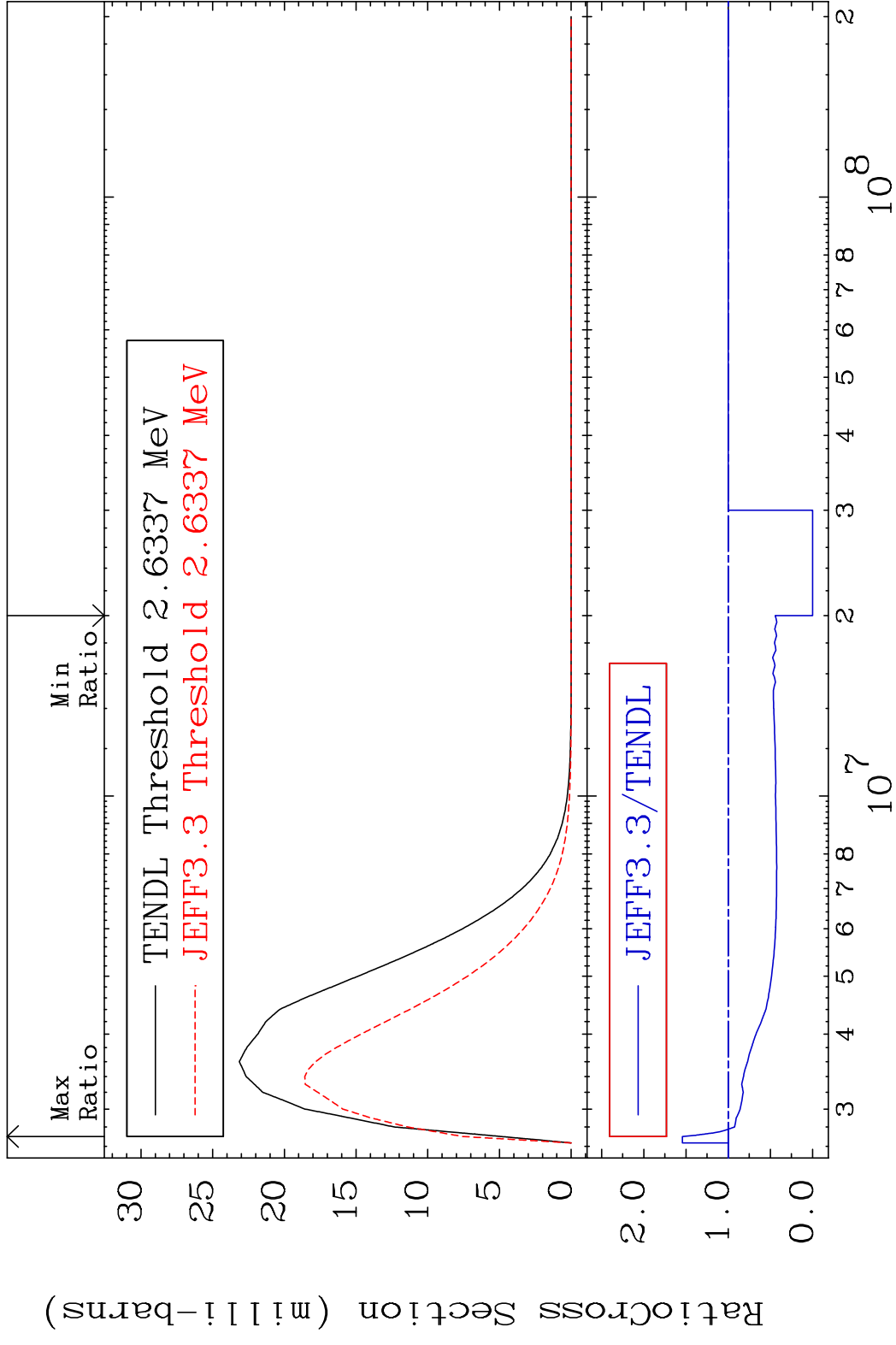
MAT 2931 MT= 63 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 9999. %



MAT 2931 MT= 64 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 593.8 %

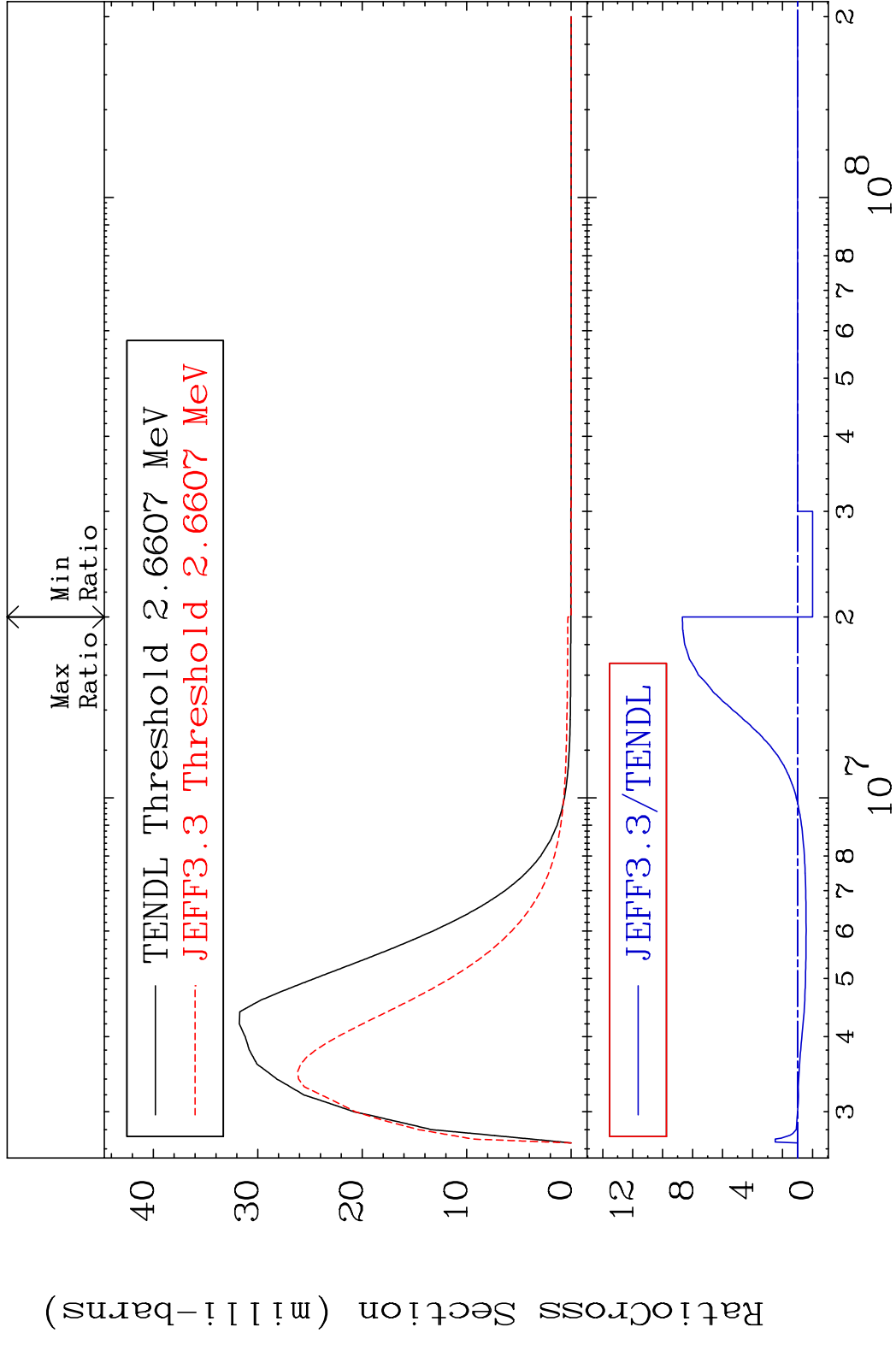


MAT 2931 MT= 65 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 54.33 %

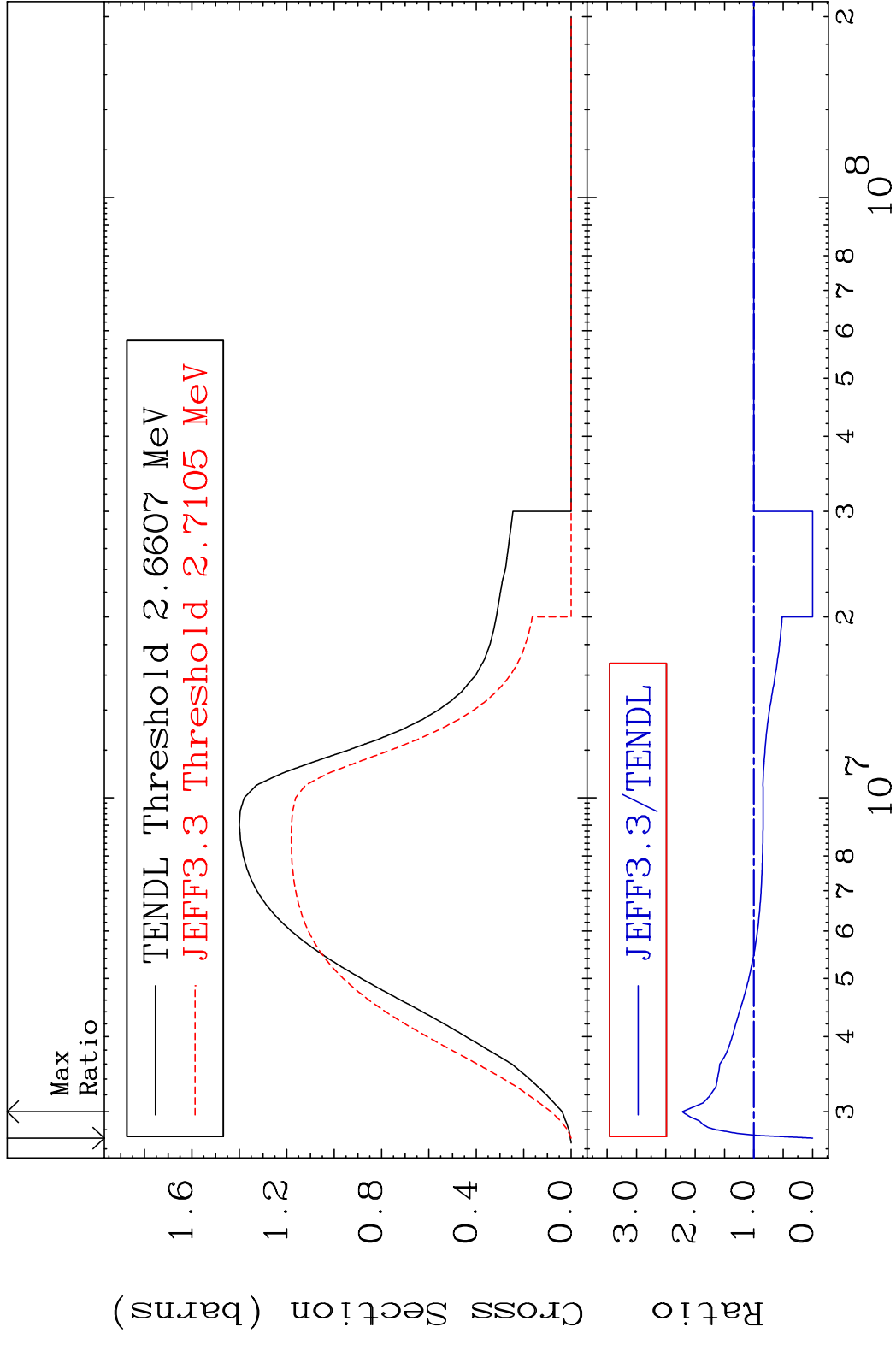


25 Incident Energy (eV) 29-Cu-65

MAT 2931 MT= 66 (n, n') Level 29-Cu-65
 Cross Section -100.0 To 768.6 %



MAT 2931 (n,n') Continuum 29-Cu-65
 Cross Section -100.0 To 121.9 %

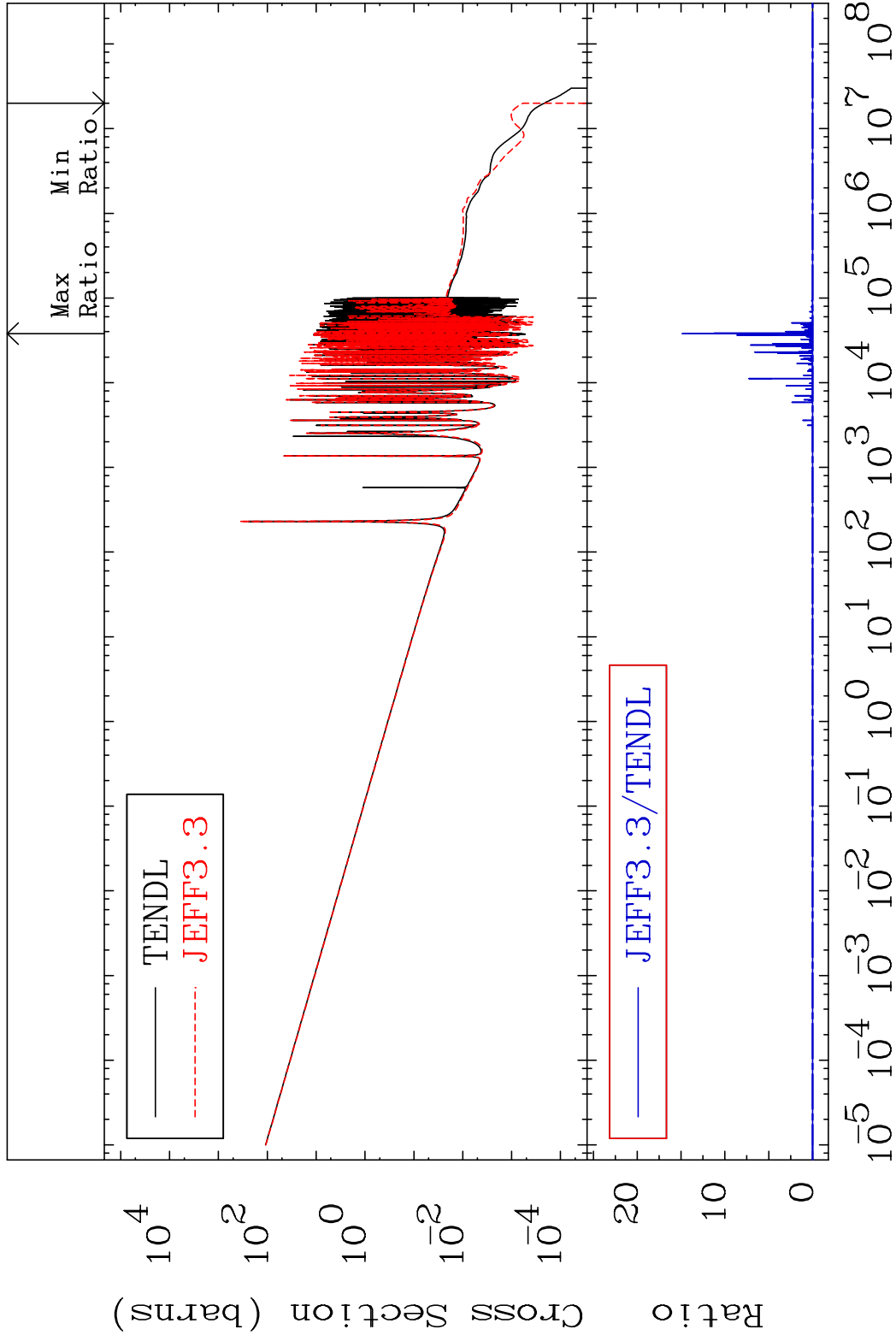


MAT 2931

(n, γ)

29-Cu-65

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

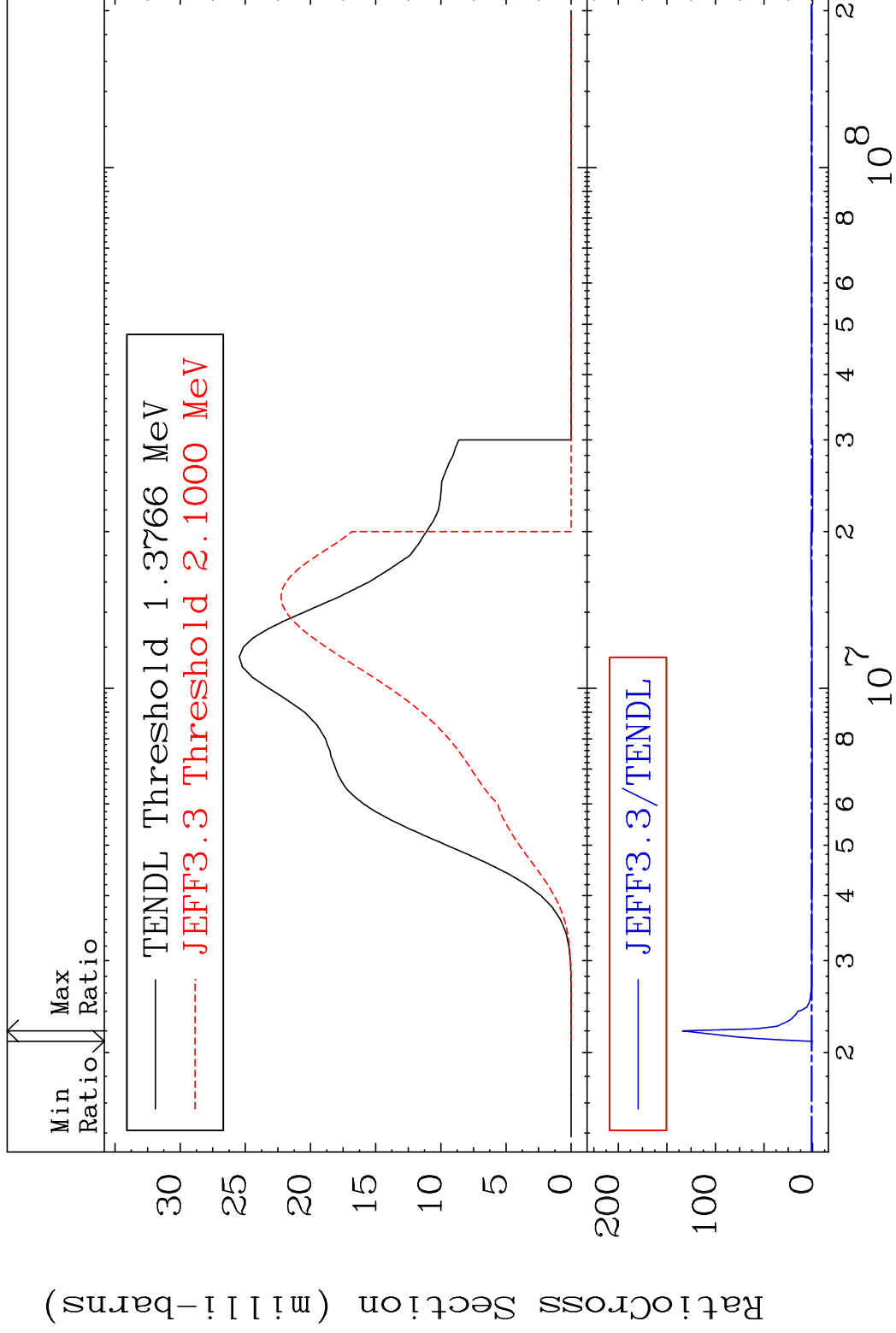
29-Cu-65

MAT 2931

(n,p)

29-Cu-65

Cross Section -100.0 To 9999. %

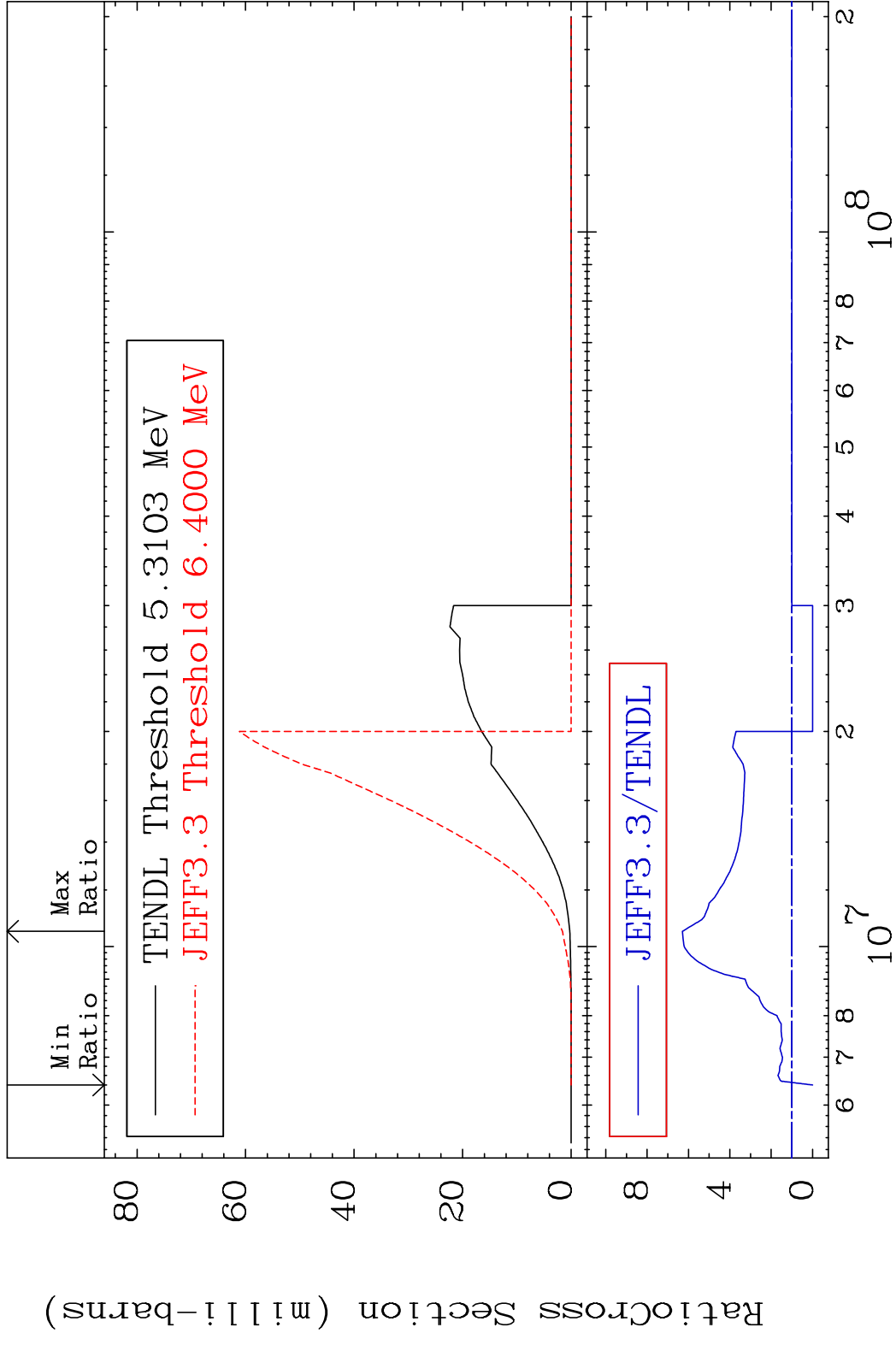


29

Incident Energy (eV)

29-Cu-65

MAT 2931 (n,d) 29-Cu-65
 Cross Section -100.0 To 529.7 %



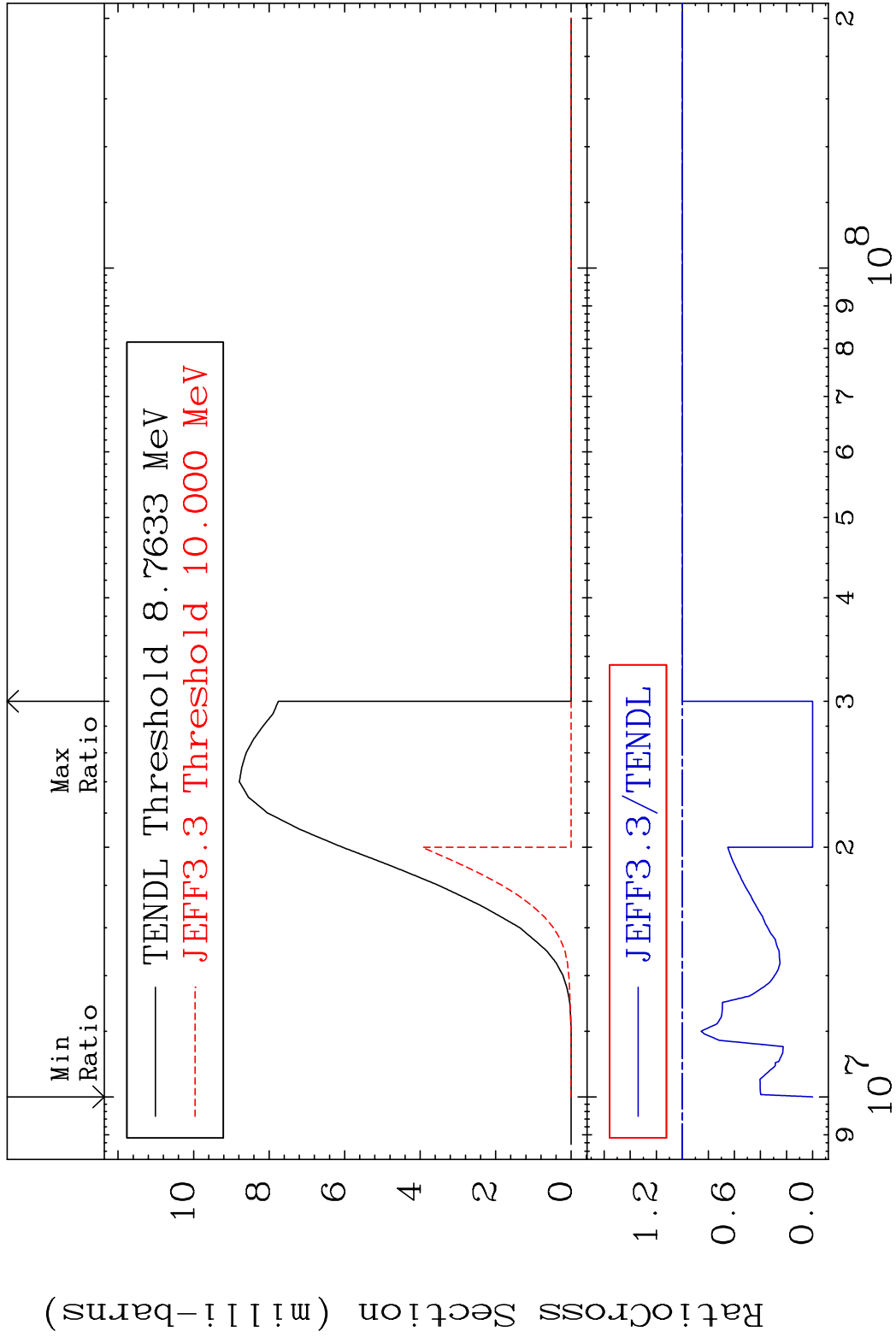
30 29-Cu-65

MAT 2931

(n, t)

29-Cu-65

Cross Section -100.0 To 0.000 %



31

Incident Energy (eV)

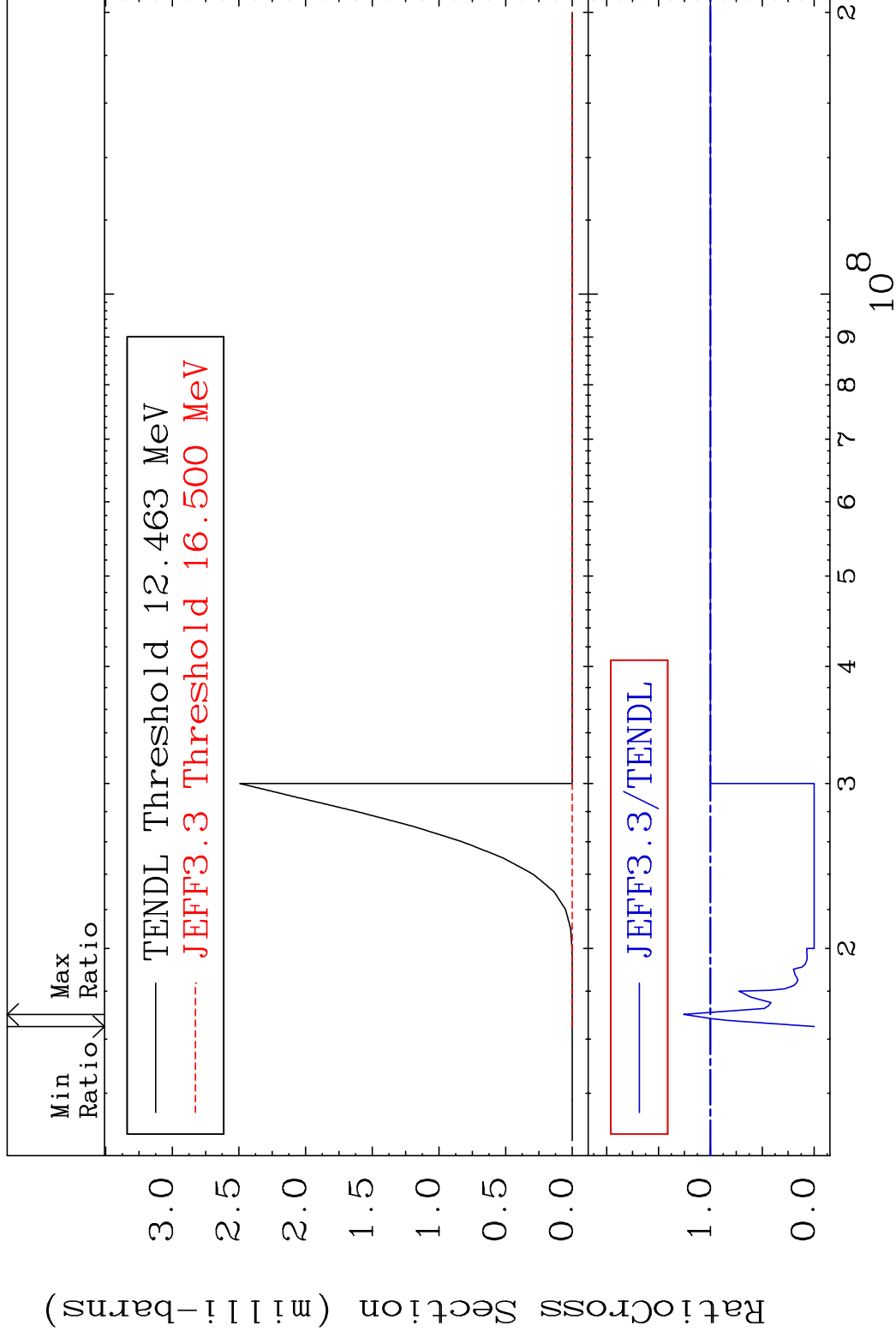
29-Cu-65

MAT 2931

(n, He-3)

29-Cu-65

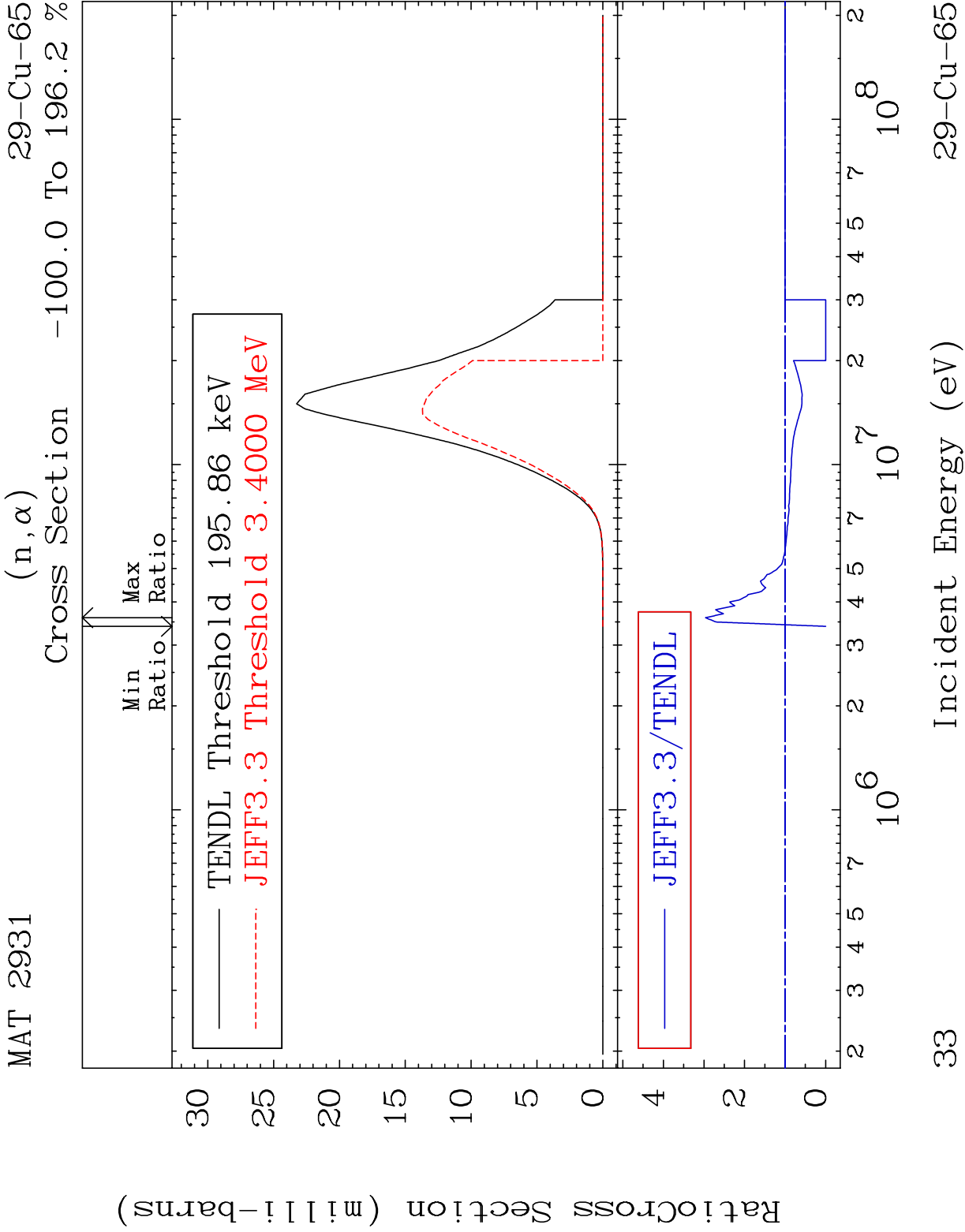
Cross Section -100.0 To 25.72 %



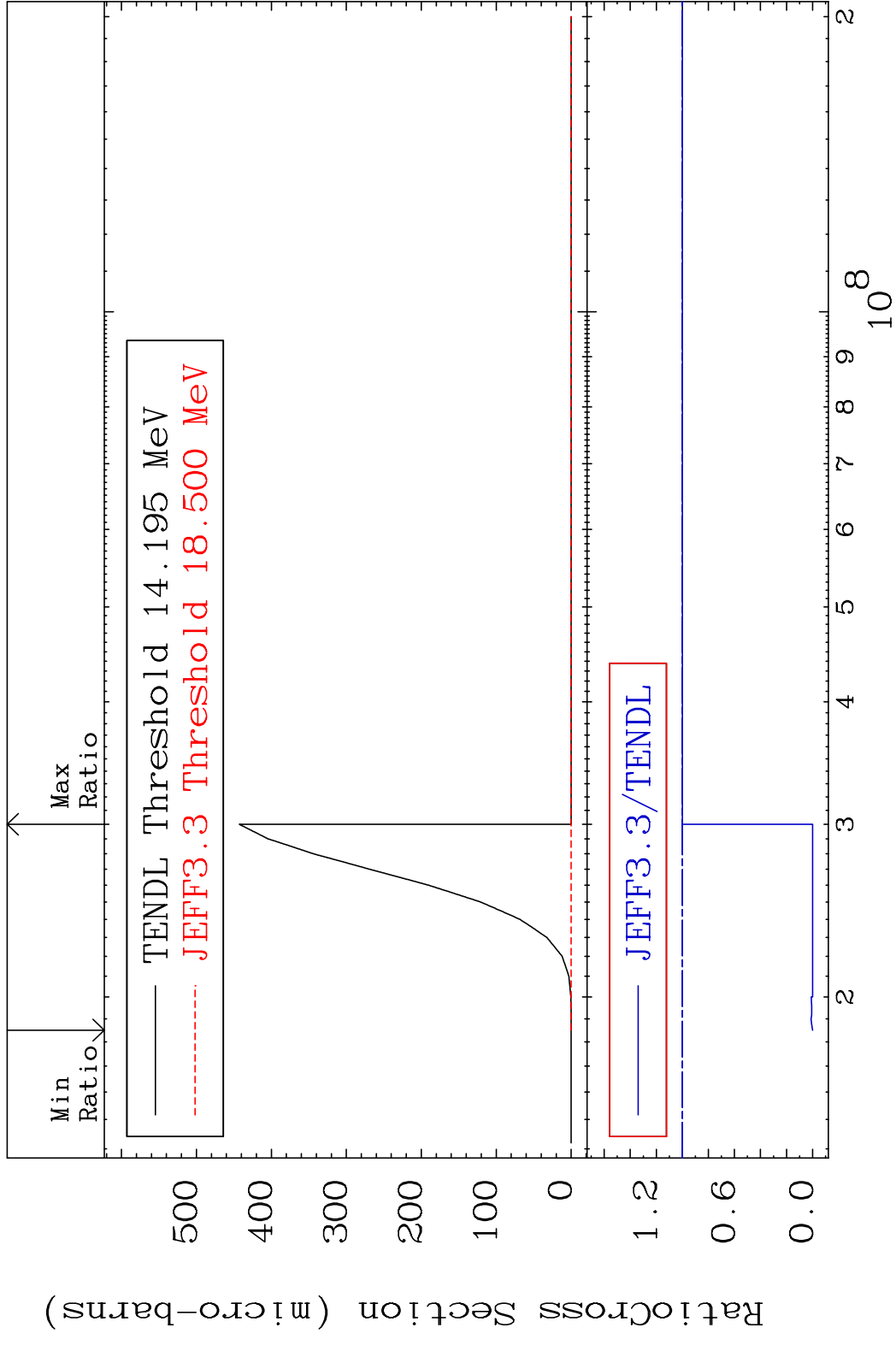
32

Incident Energy (eV)

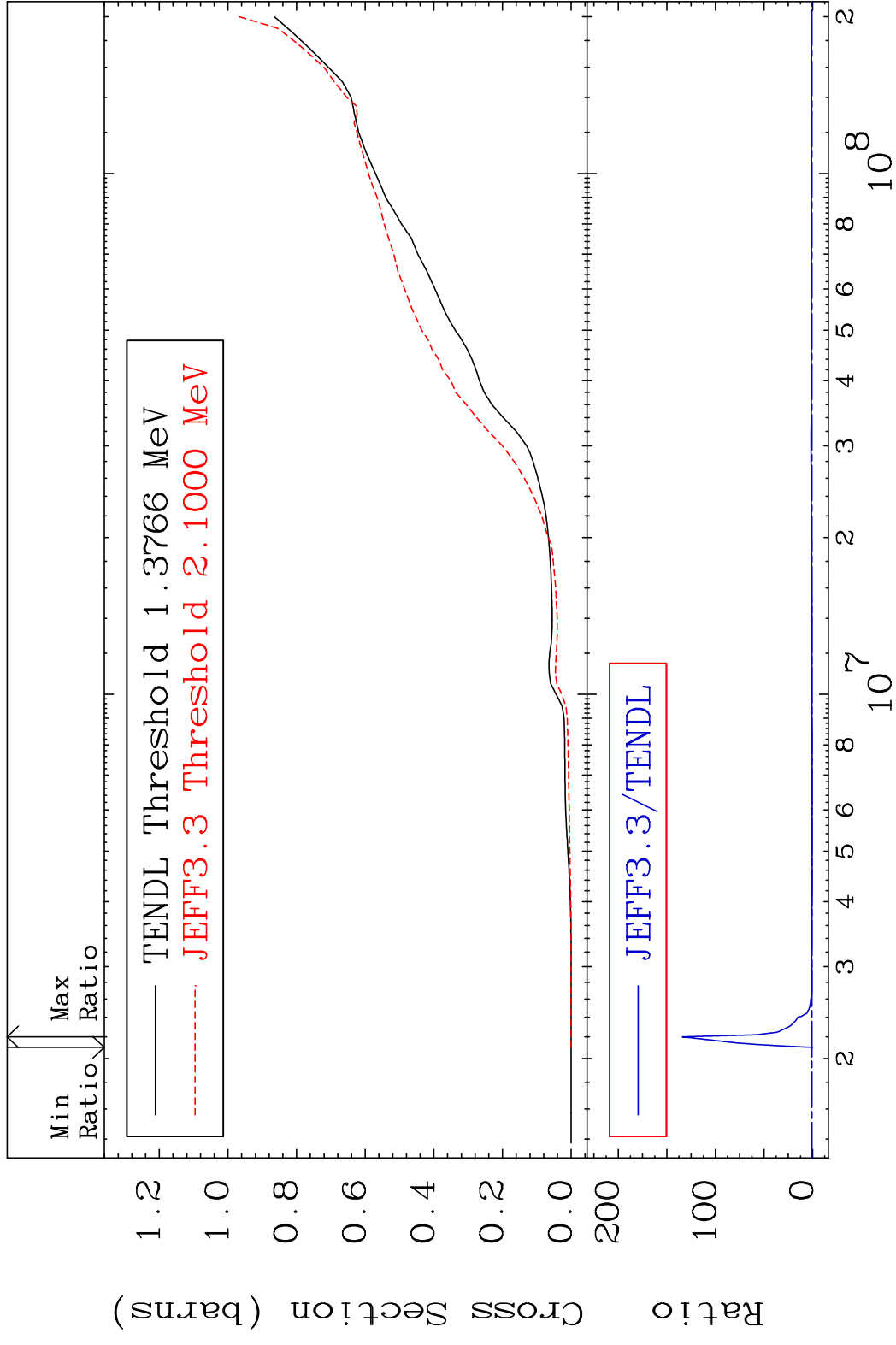
29-Cu-65



MAT 2931 (n,2p) 29-Cu-65
 Cross Section -100.0 To 0.000 %

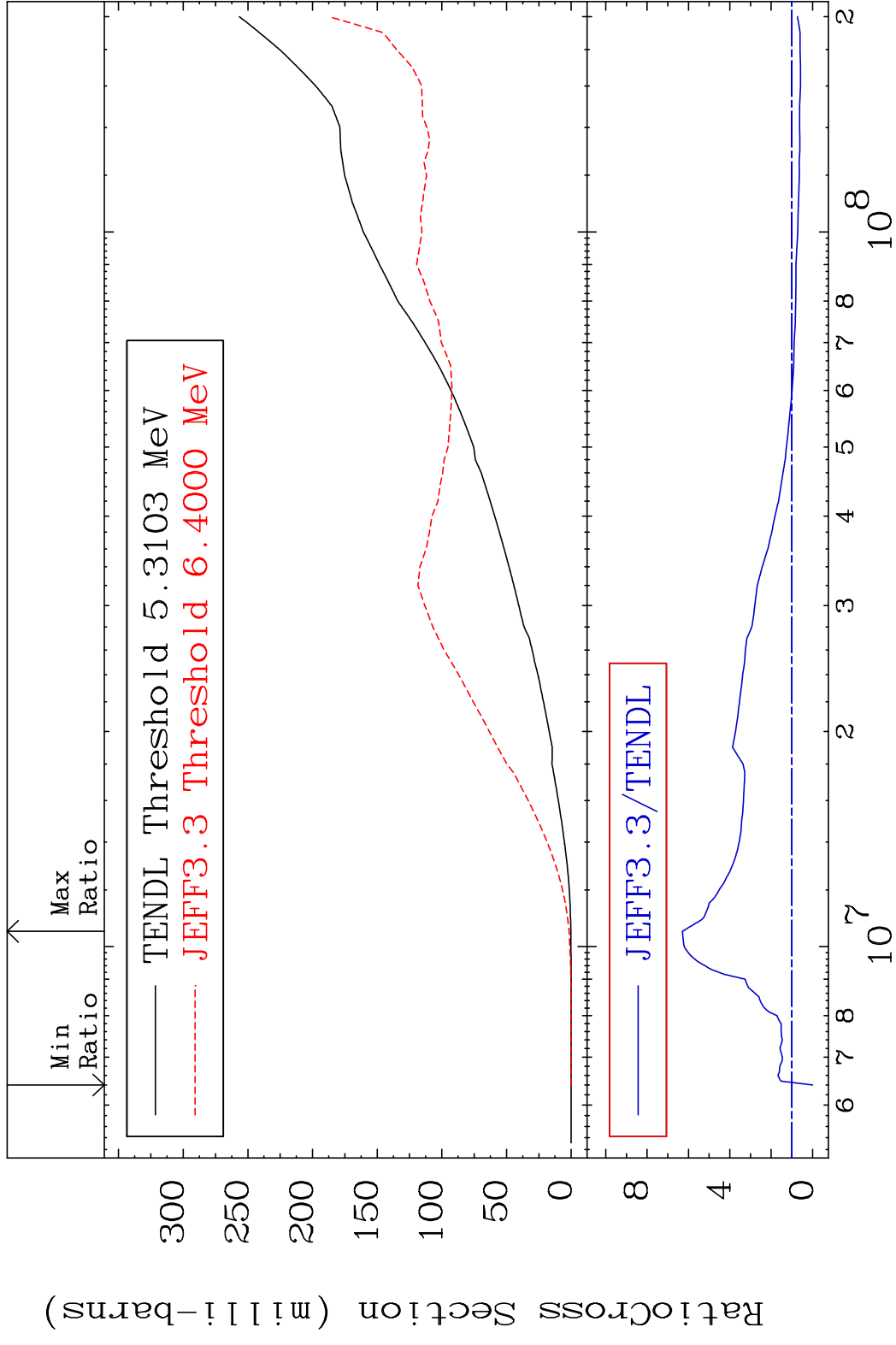


MAT 2931 Hydrogen Production 29-Cu-65
 Cross Section -100.0 To 9999. %

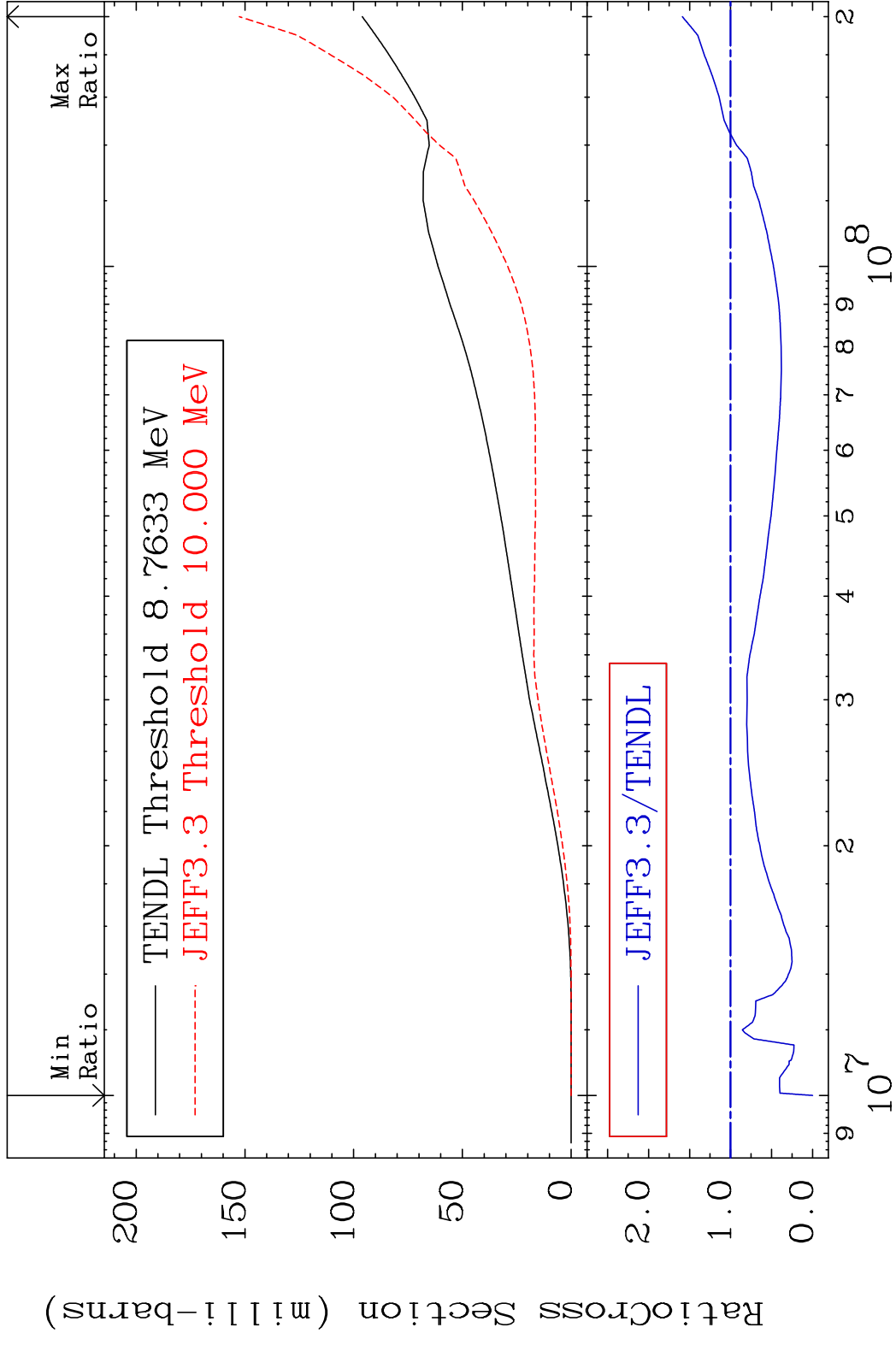


35 Incident Energy (eV) 29-Cu-65

MAT 2931 Deuterium Production ²⁹Cu-65
 Cross Section -100.0 To 529.7 %



MAT 2931 Tritium Production 29-Cu-65
 Cross Section -100.0 To 58.84 %

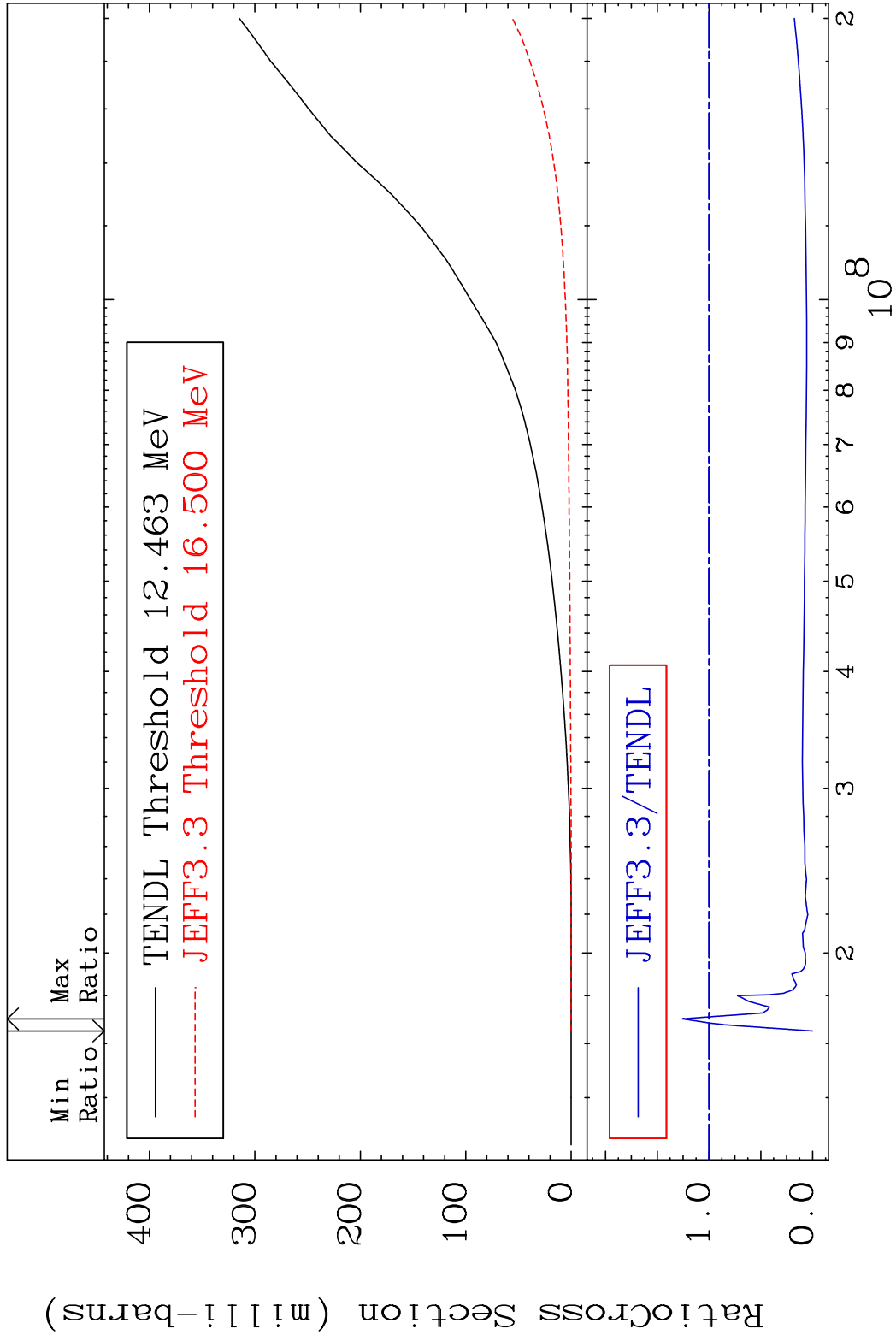


MAT 2931

He-3 Production

²⁹Cu-65

Cross Section -100.0 To 25.72 %

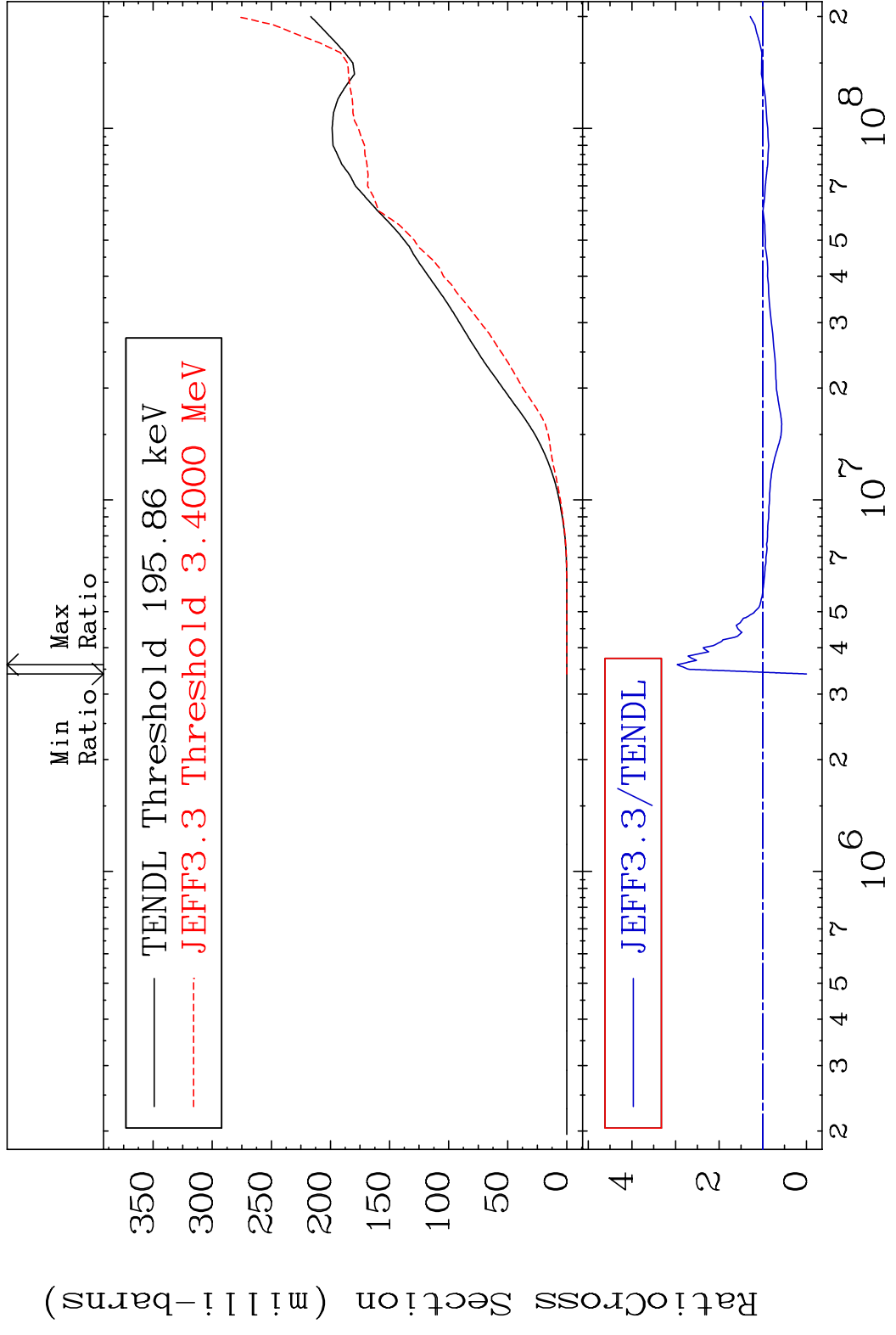


38

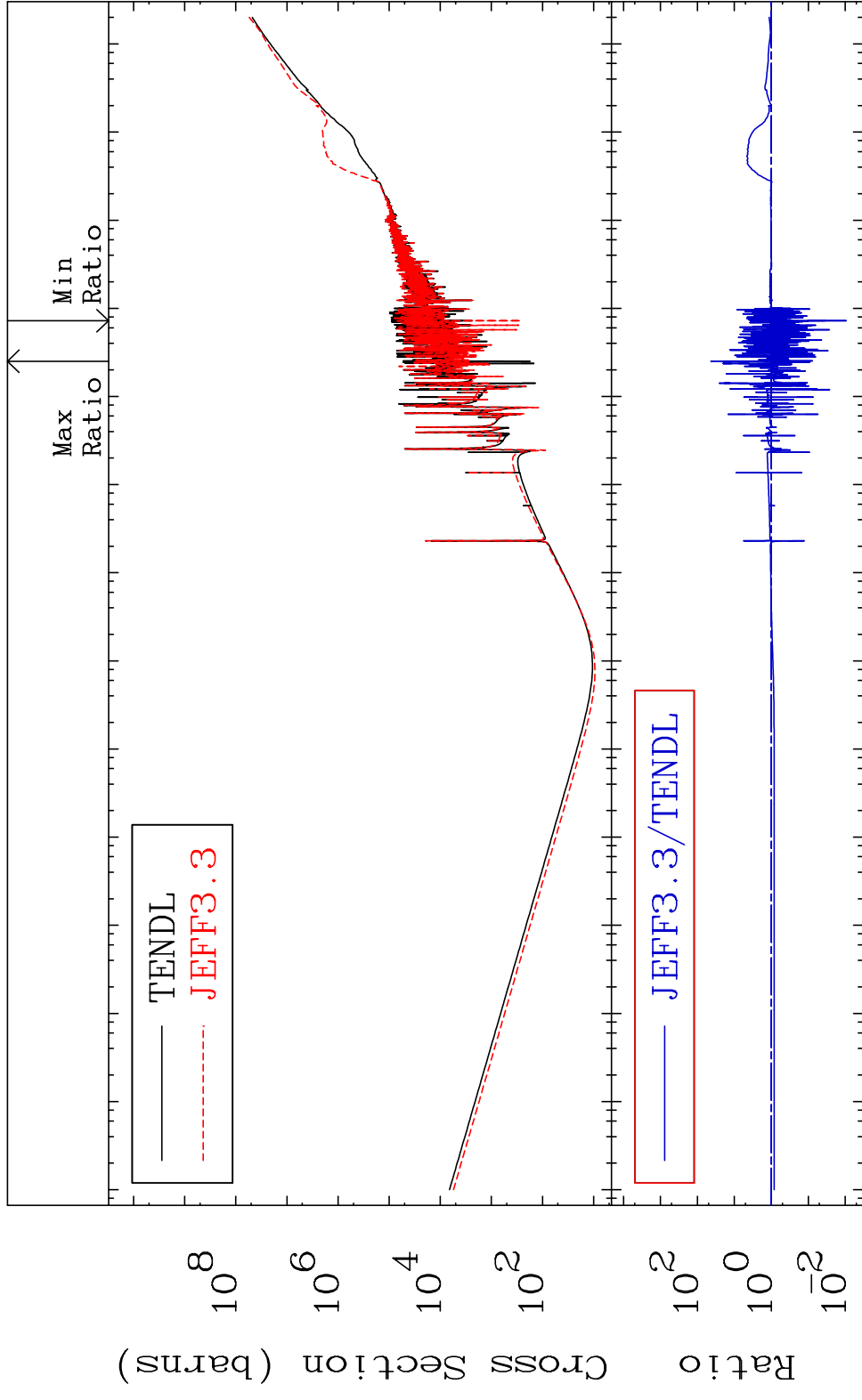
Incident Energy (eV)

²⁹Cu-65

MAT 2931 He-4 Production 29-Cu-65
 Cross Section -100.0 To 196.2 %



MAT 2931 Kerma total (eV-barns) 29-Cu-65
 Cross Section -99.07 To 4272. %



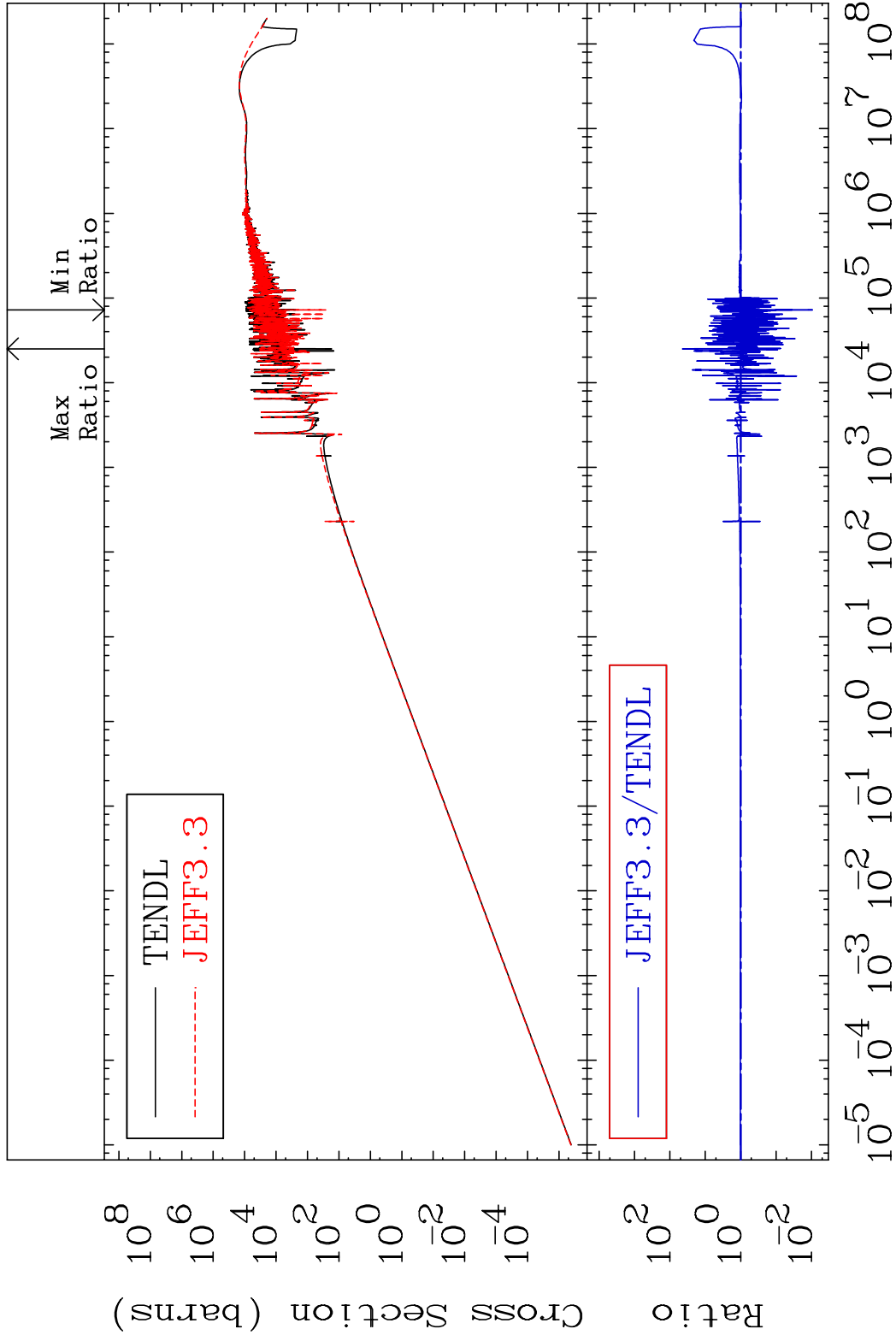
40 Incident Energy (eV) 29-Cu-65

MAT 2931

Kerma elastic

29-Cu-65

Cross Section -99.07 To 4351. %

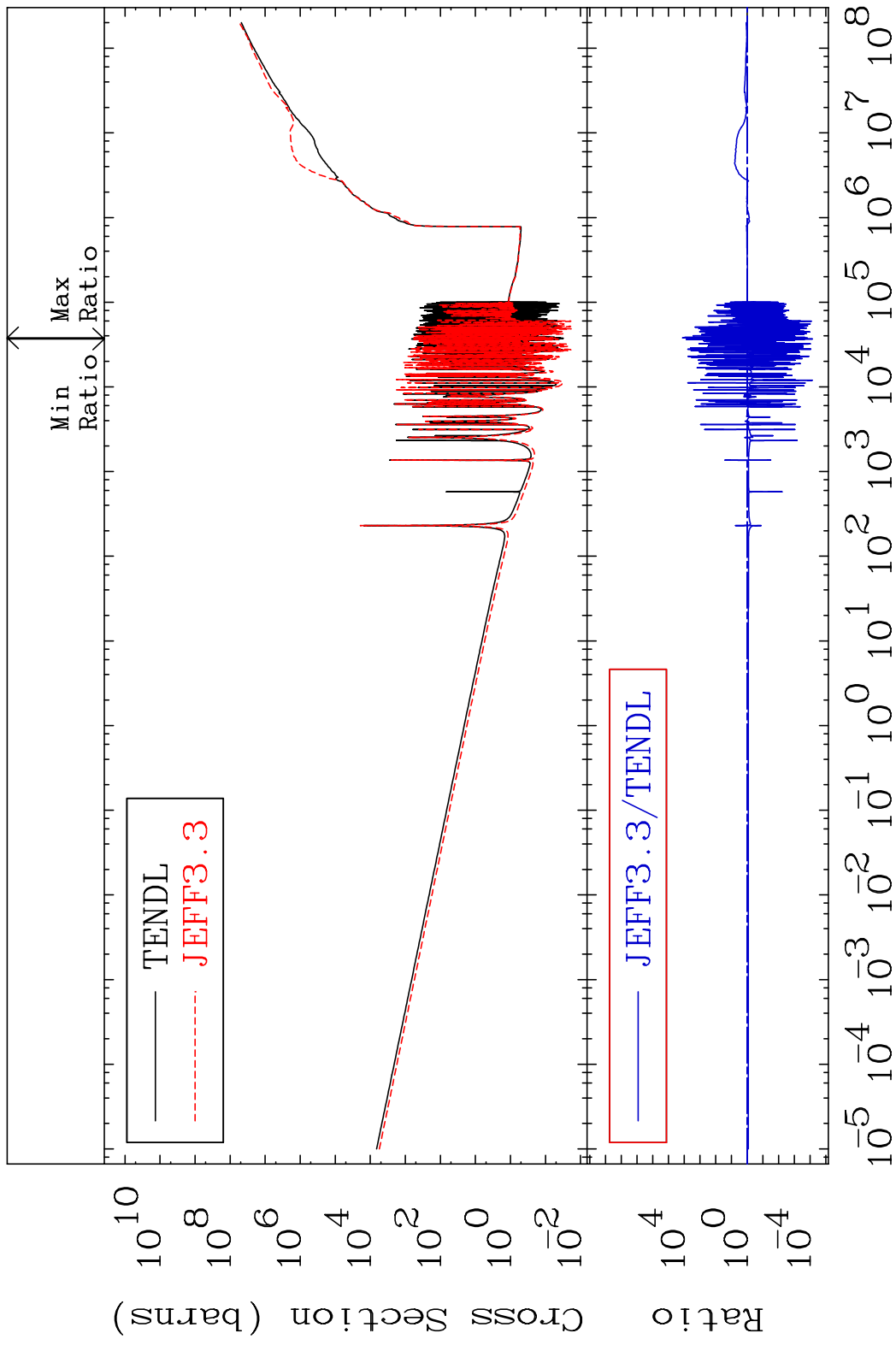


41

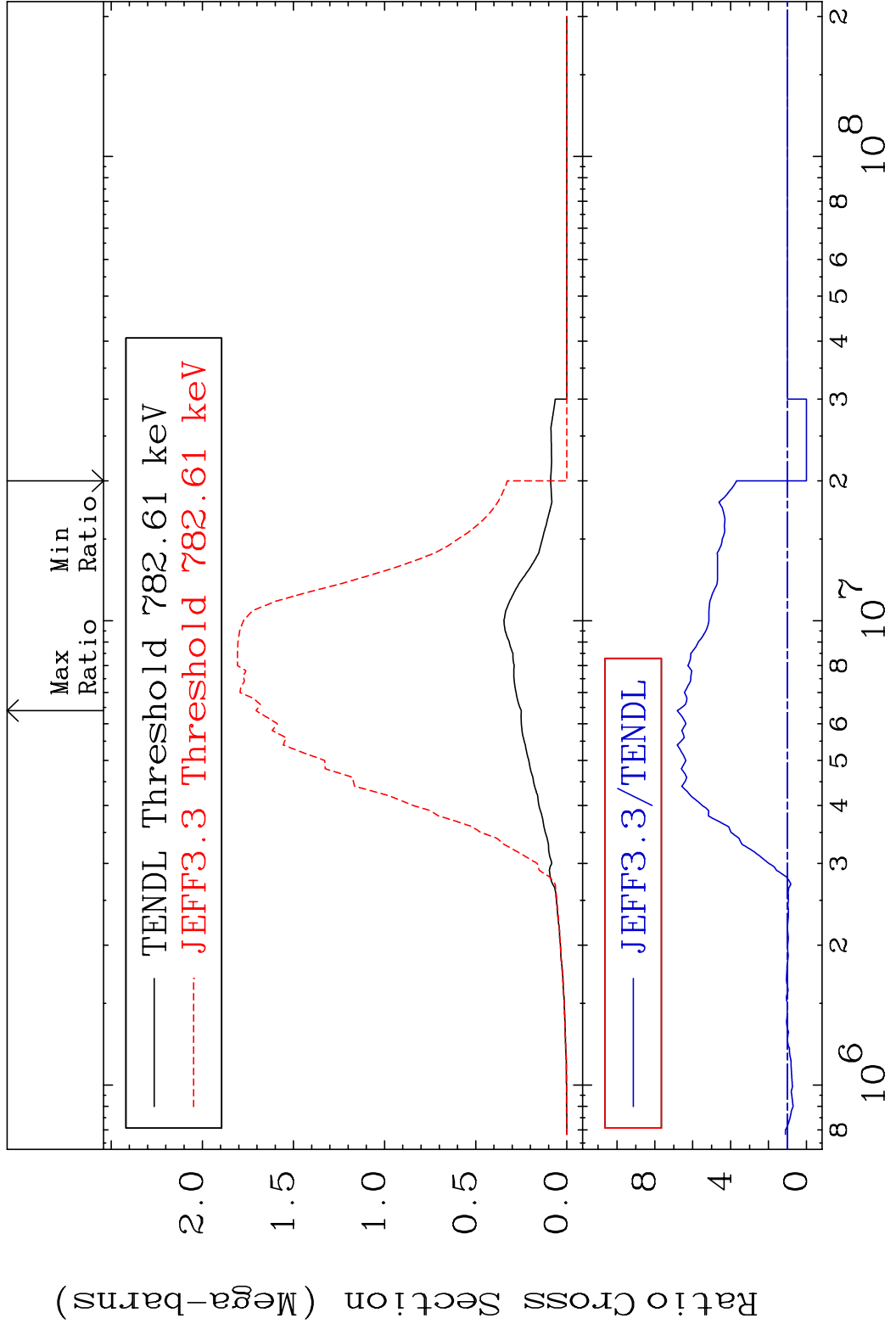
Incident Energy (eV)

29-Cu-65

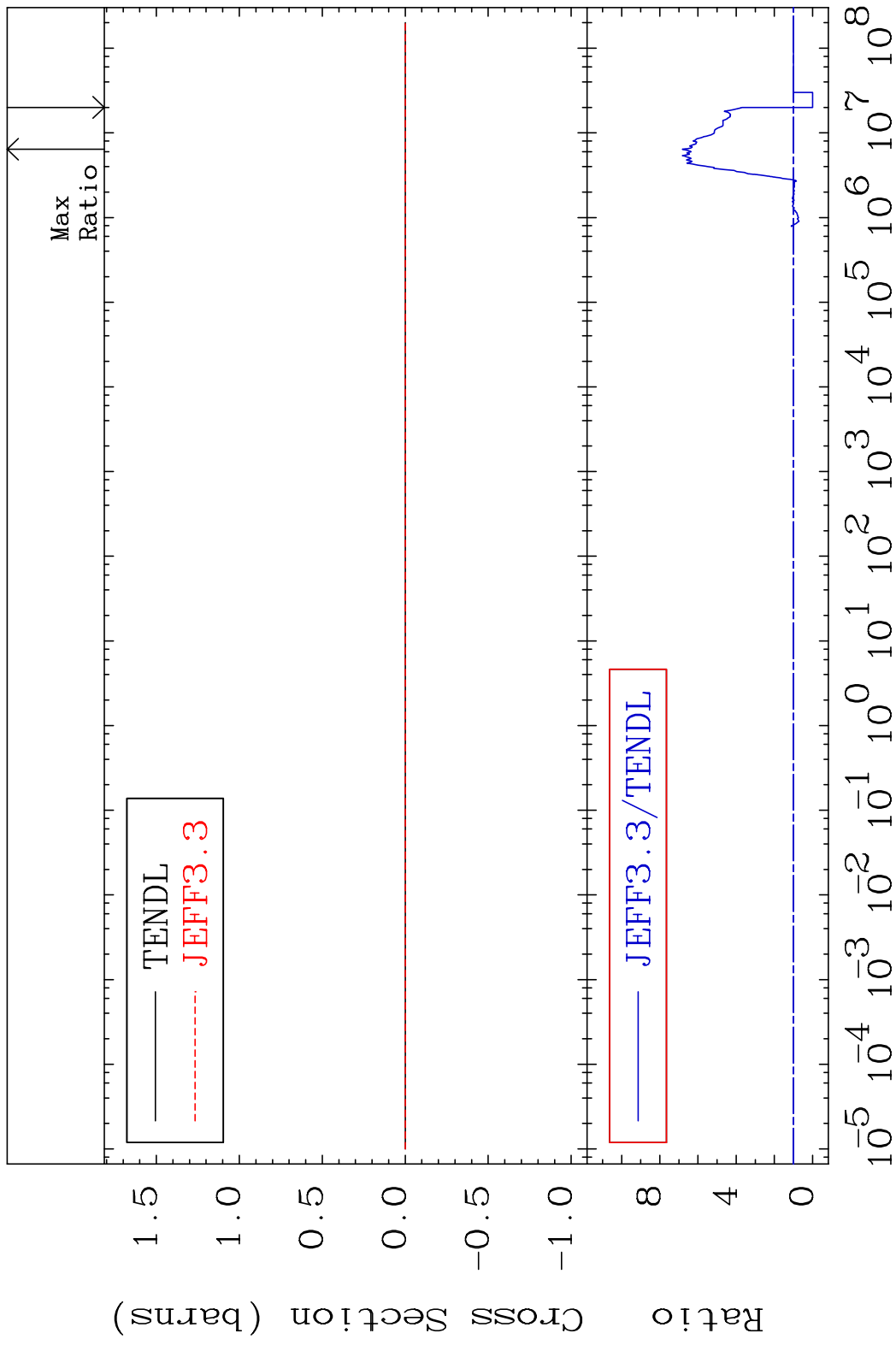
MAT 2931 Kerma non-elastic (all but mt2) 29-Cu-65
 Cross Section -99.99 To 9999. %



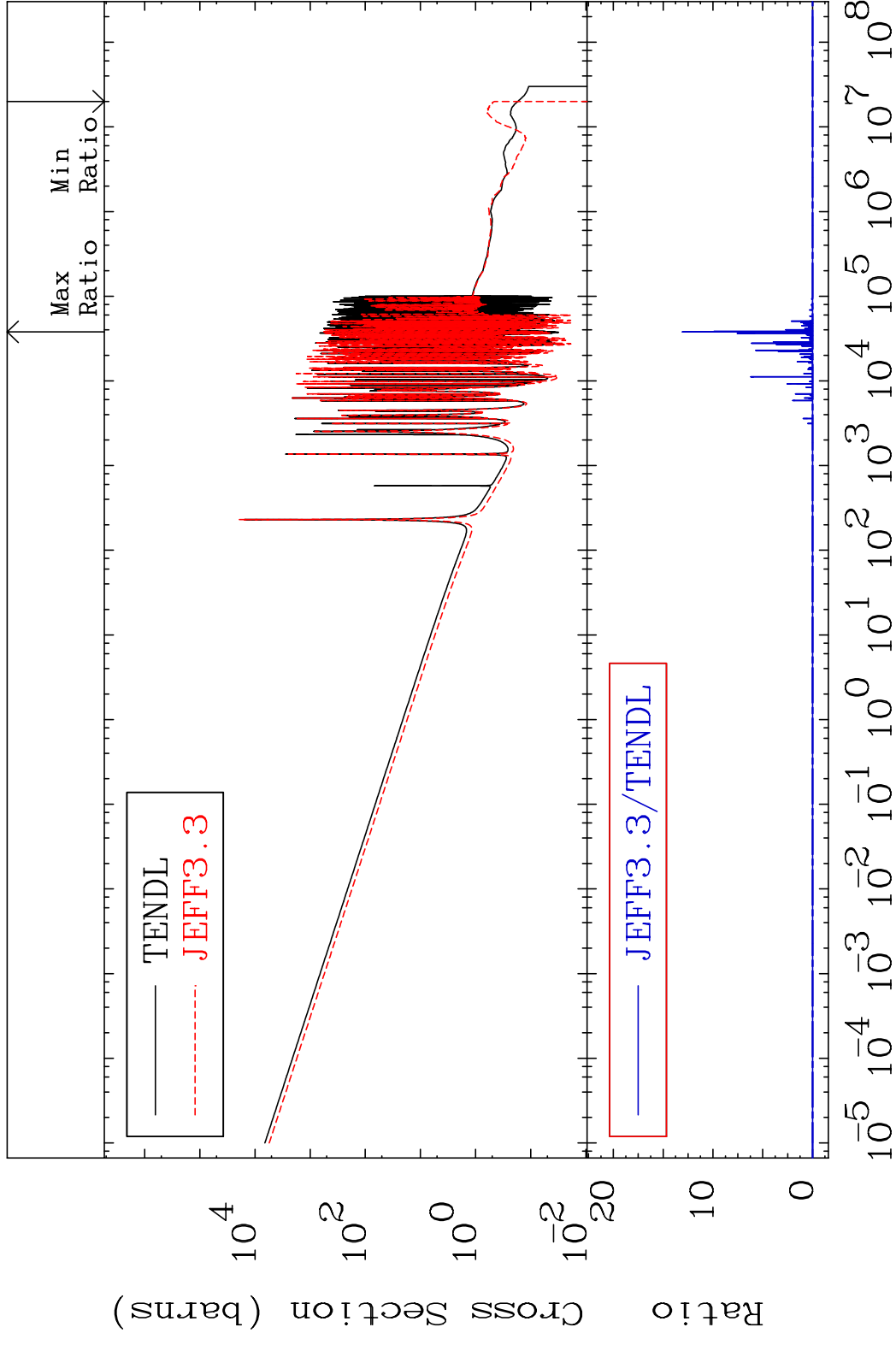
MAT 2931 Kerma inelastic (mt51-91) 29-Cu-65
 Cross Section -100.0 To 582.0 %



MAT 2931 Kerma fission (mt18 or mt19-20-21-38) 29-Cu-65
 Cross Section -100.0 To 582.0 %

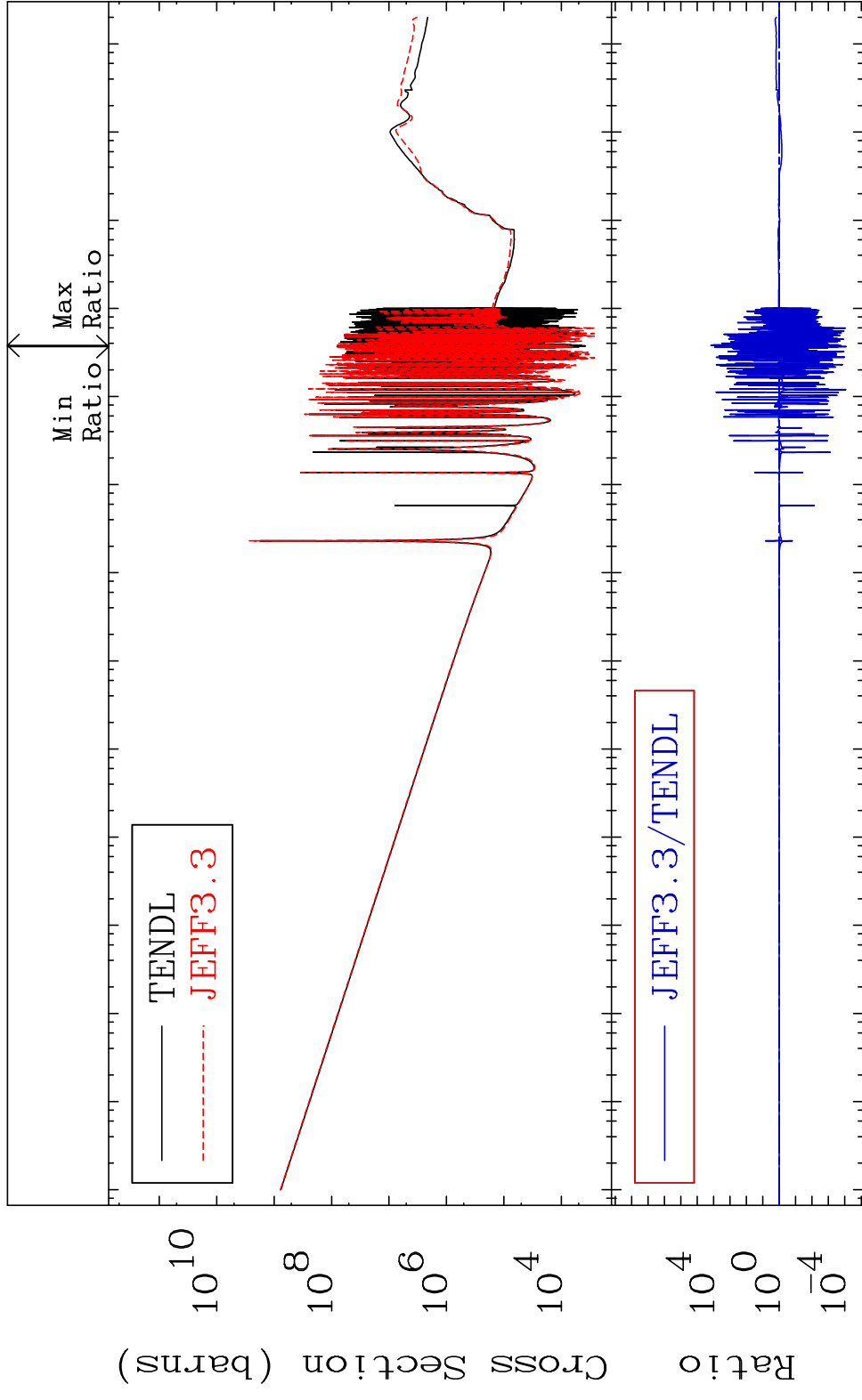


MAT 2931 Kerma capture (mt102) 29-Cu-65
 Cross Section -100.0 To 9999. %

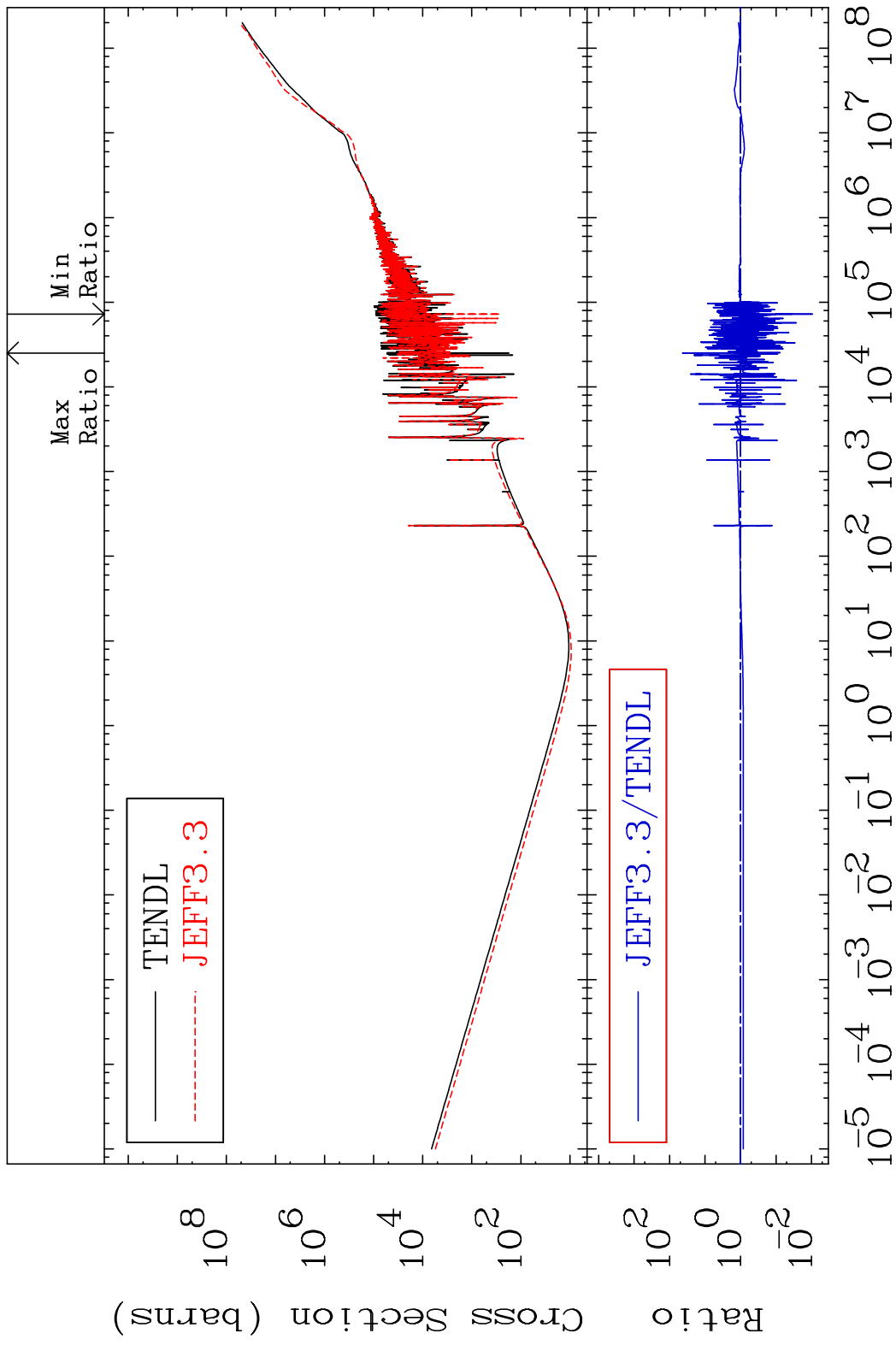


45 Incident Energy (eV) 29-Cu-65

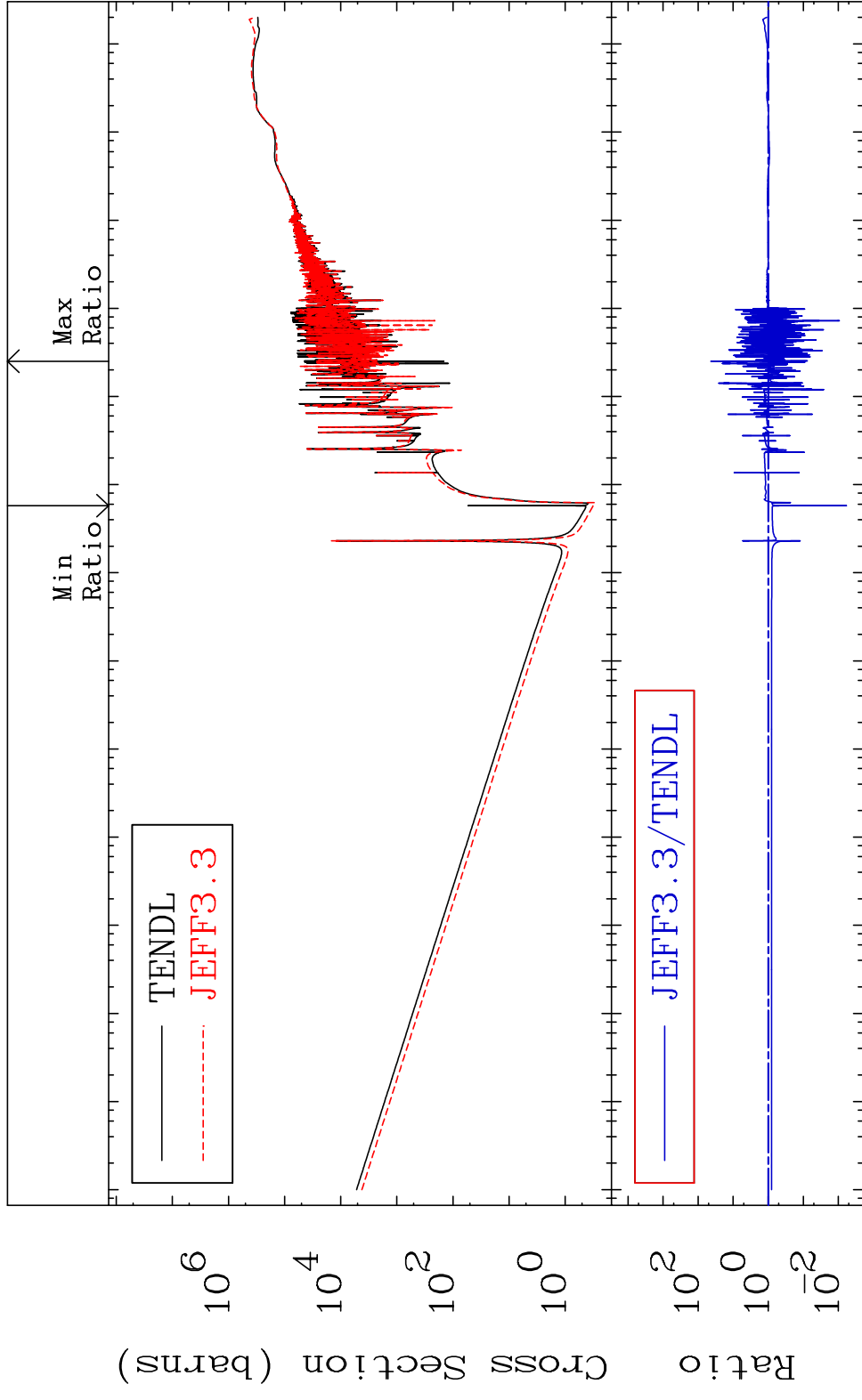
MAT 2931 Total photon (eV-barns) 29-Cu-65
 Cross Section -99.99 To 9999. %



MAT 2931 Total kinematic kerma (high limit) 29-Cu-65
 Cross Section -99.07 To 4272. %



MAT 2931 Dpa total (eV-barns) 29-Cu-65
 Cross Section -99.41 To 4273. %



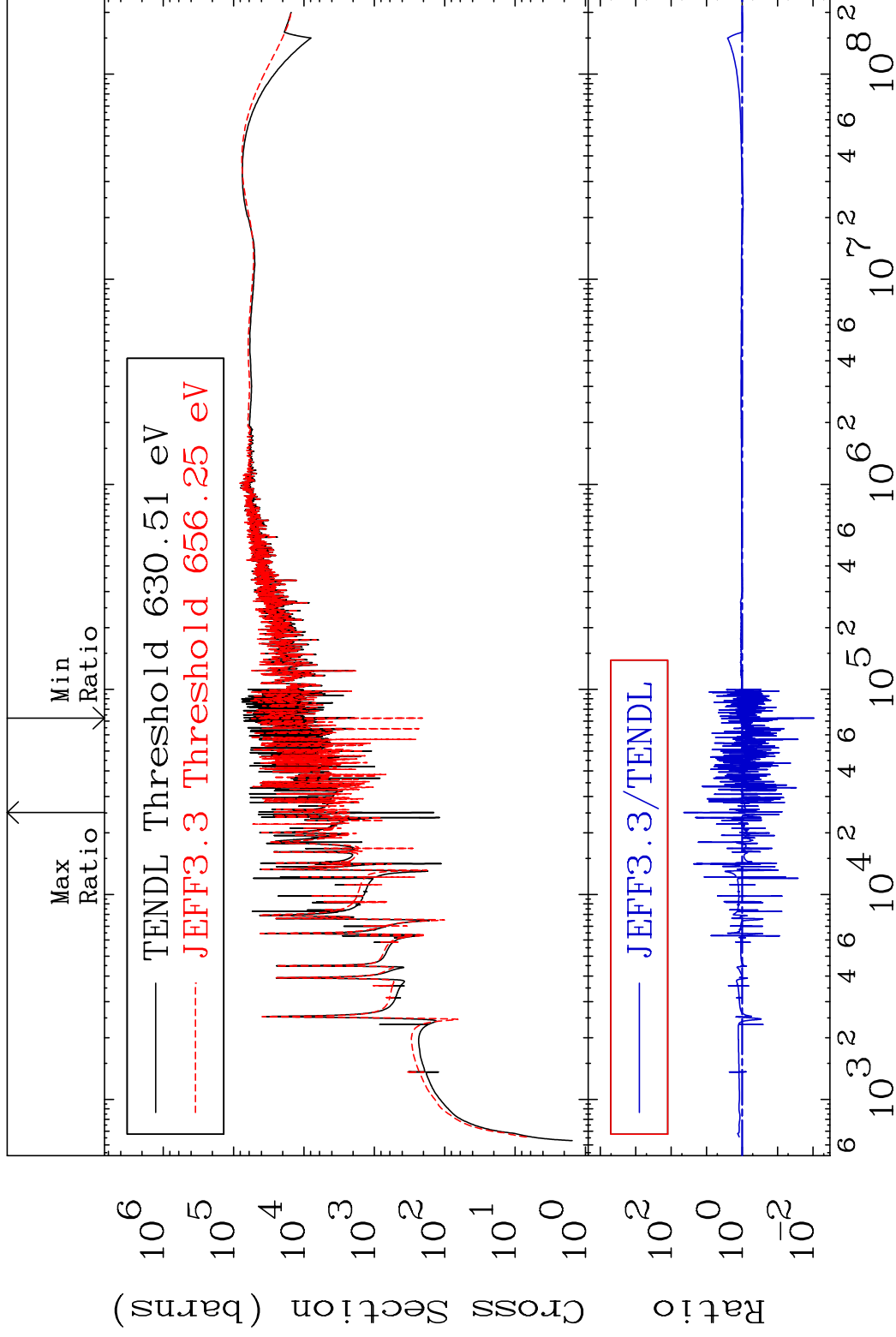
48 Incident Energy (eV) 29-Cu-65

MAT 2931

Dpa elastic (mt2)

29-Cu-65

Cross Section -99.07 To 4349. %

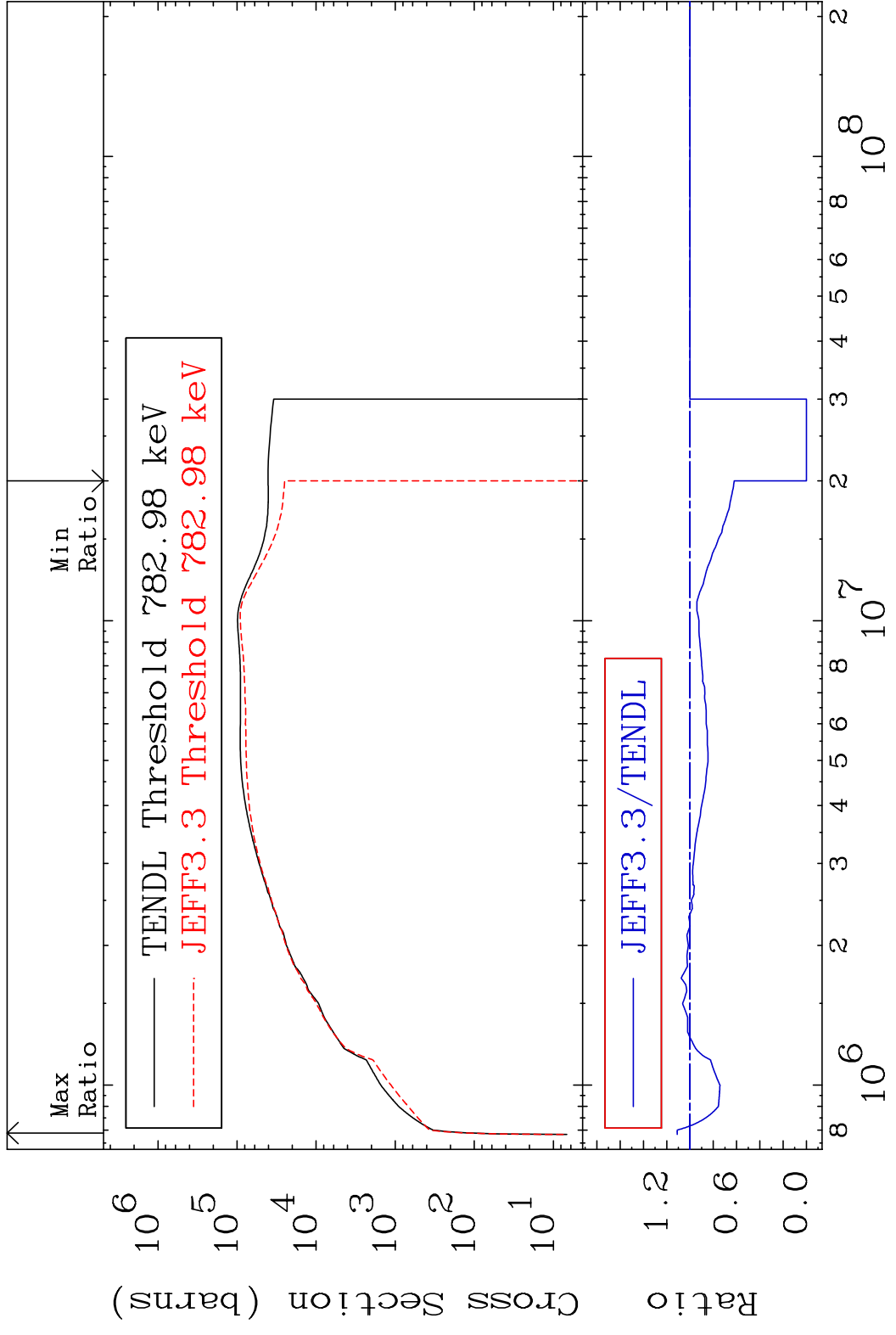


49

Incident Energy (eV)

29-Cu-65

MAT 2931 Dpa inelastic (mt51-91) 29-Cu-65
 Cross Section -100.0 To 10.99 %



50 Incident Energy (eV) 29-Cu-65

MAT 2931 Dpa disappearance (mt102 -120) 29-Cu-65
 Cross Section -100.0 To 9999. %

