

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

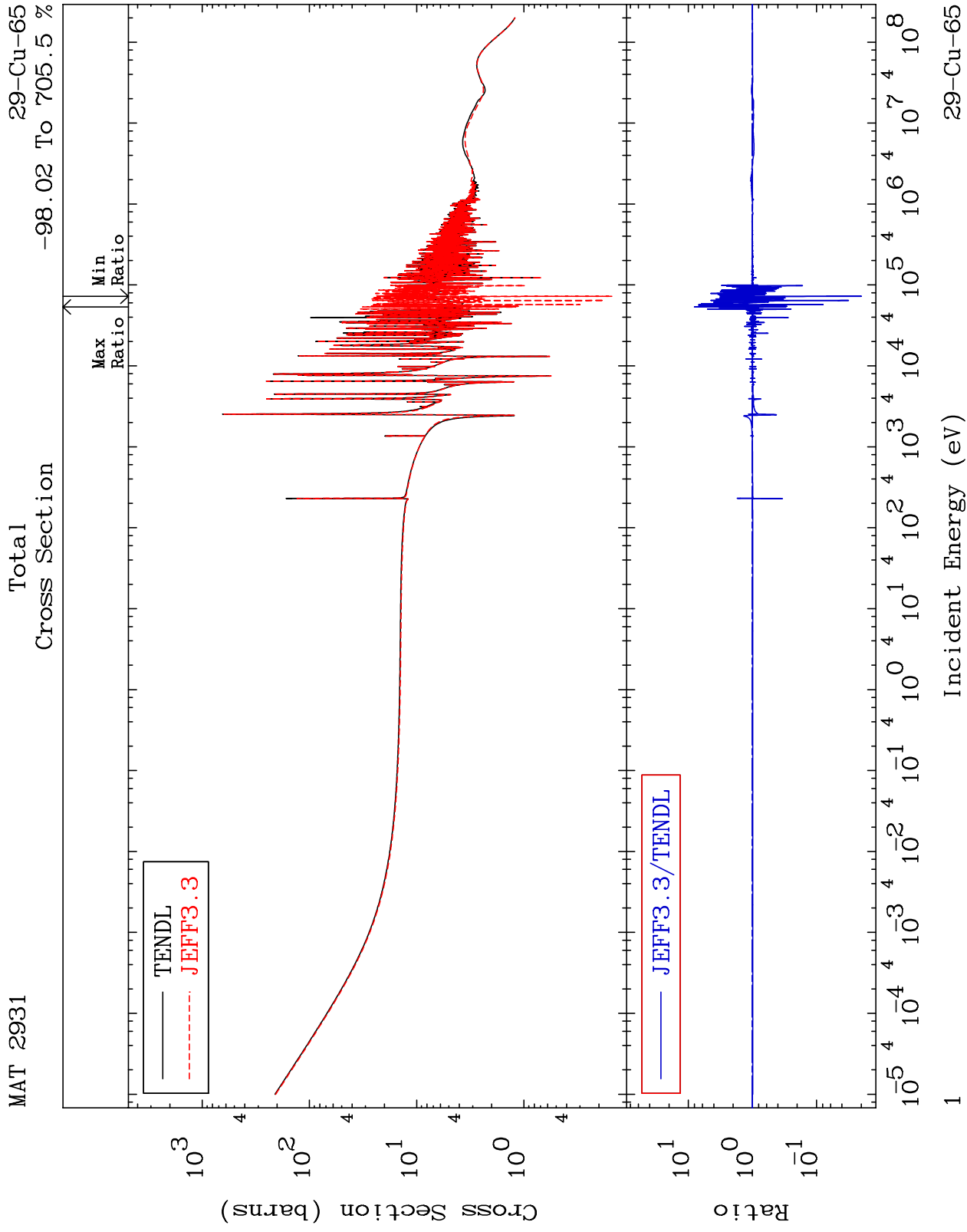
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

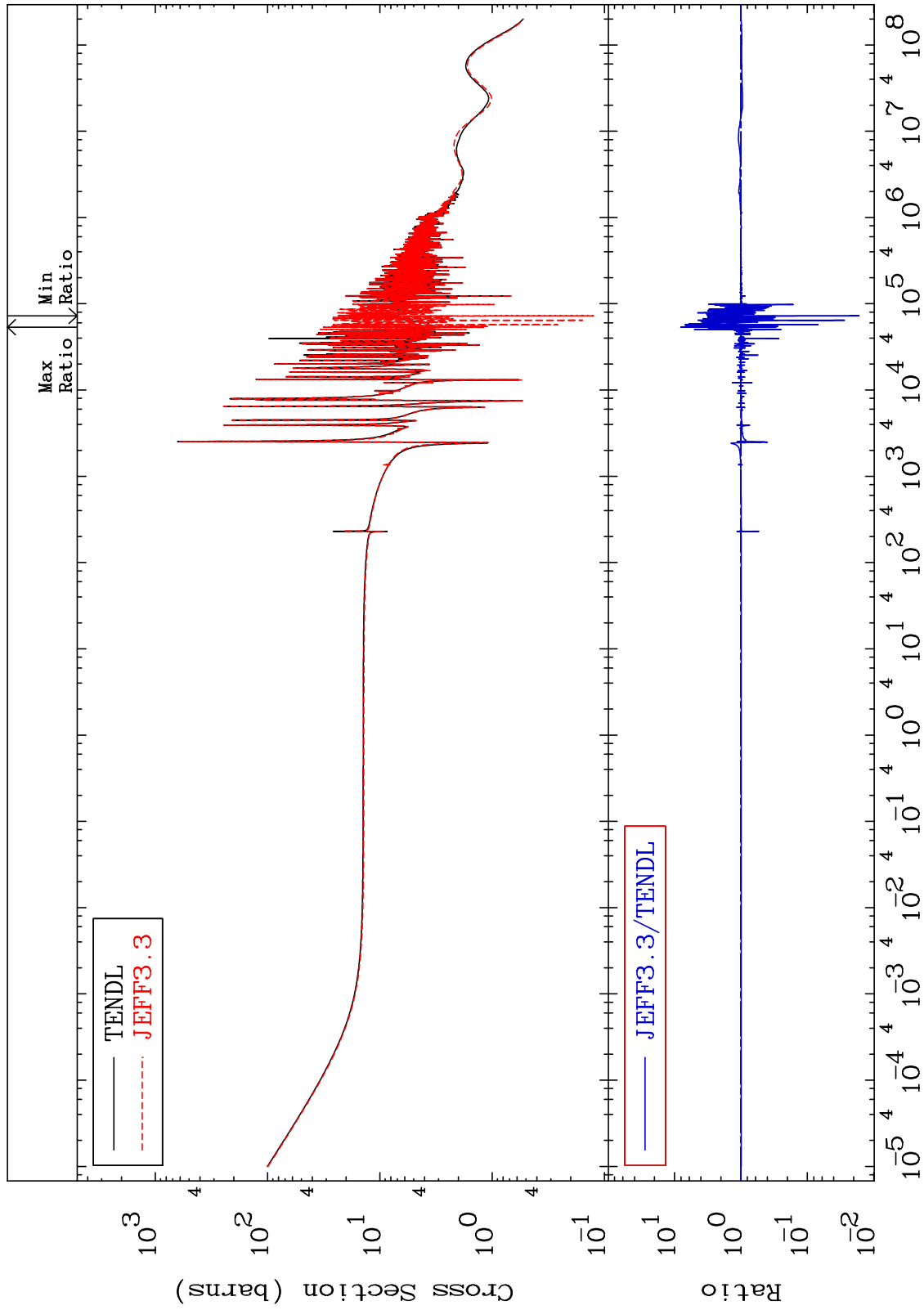
Tele: 925-443-1911

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

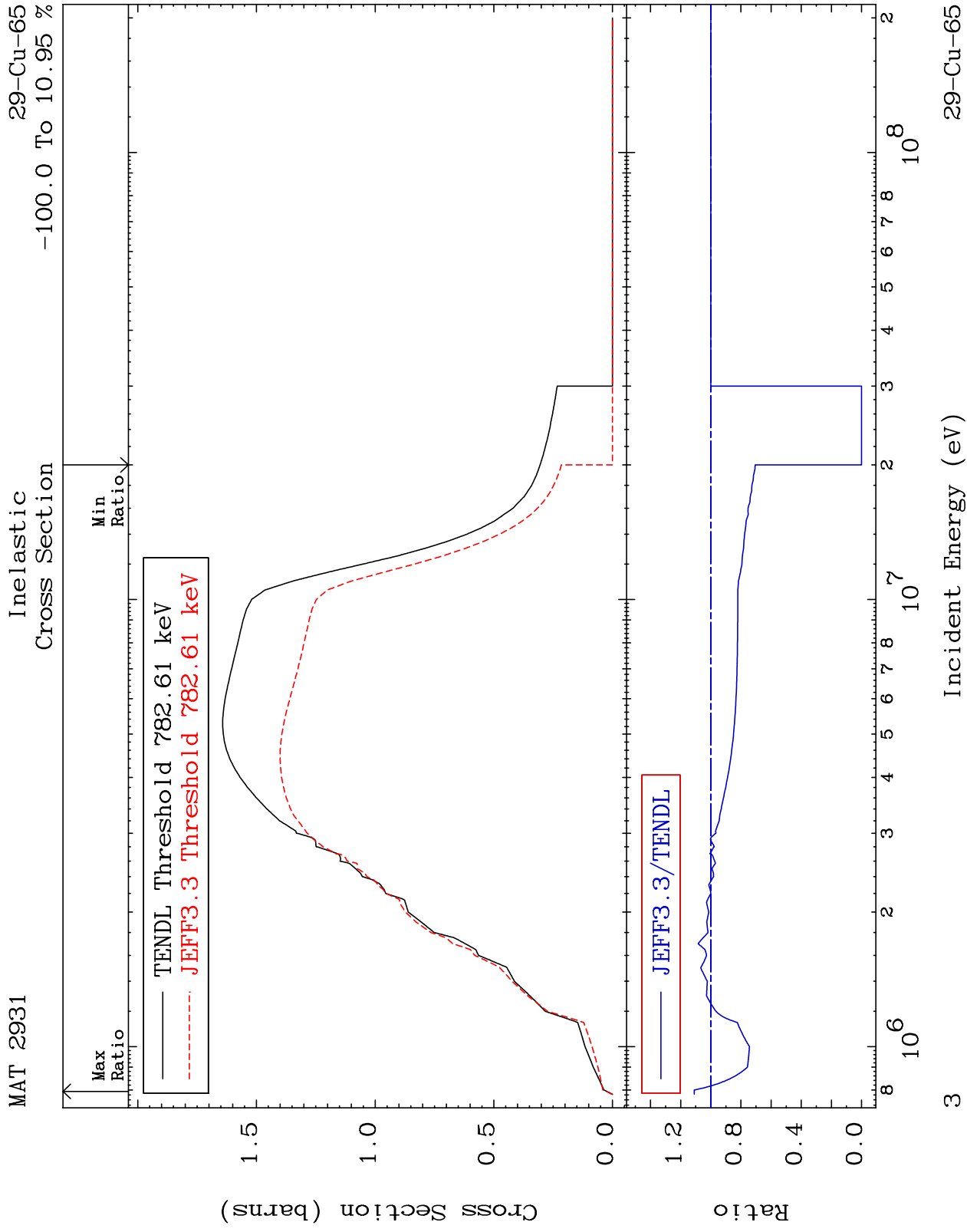
Press Mouse Button to Start

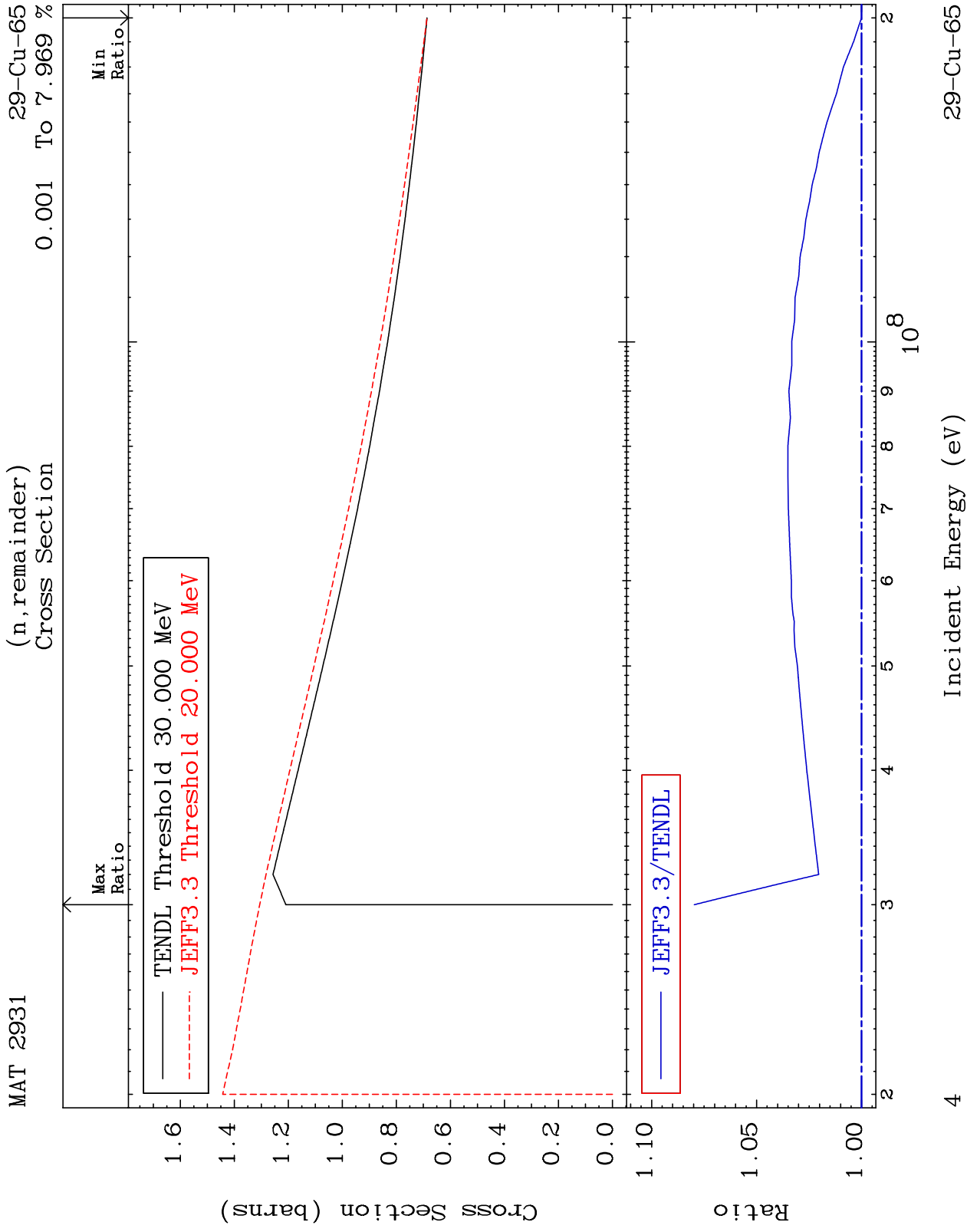


MAT 2931 Elastic Cross Section 29-Cu-65 -98.33 To 707.8 %

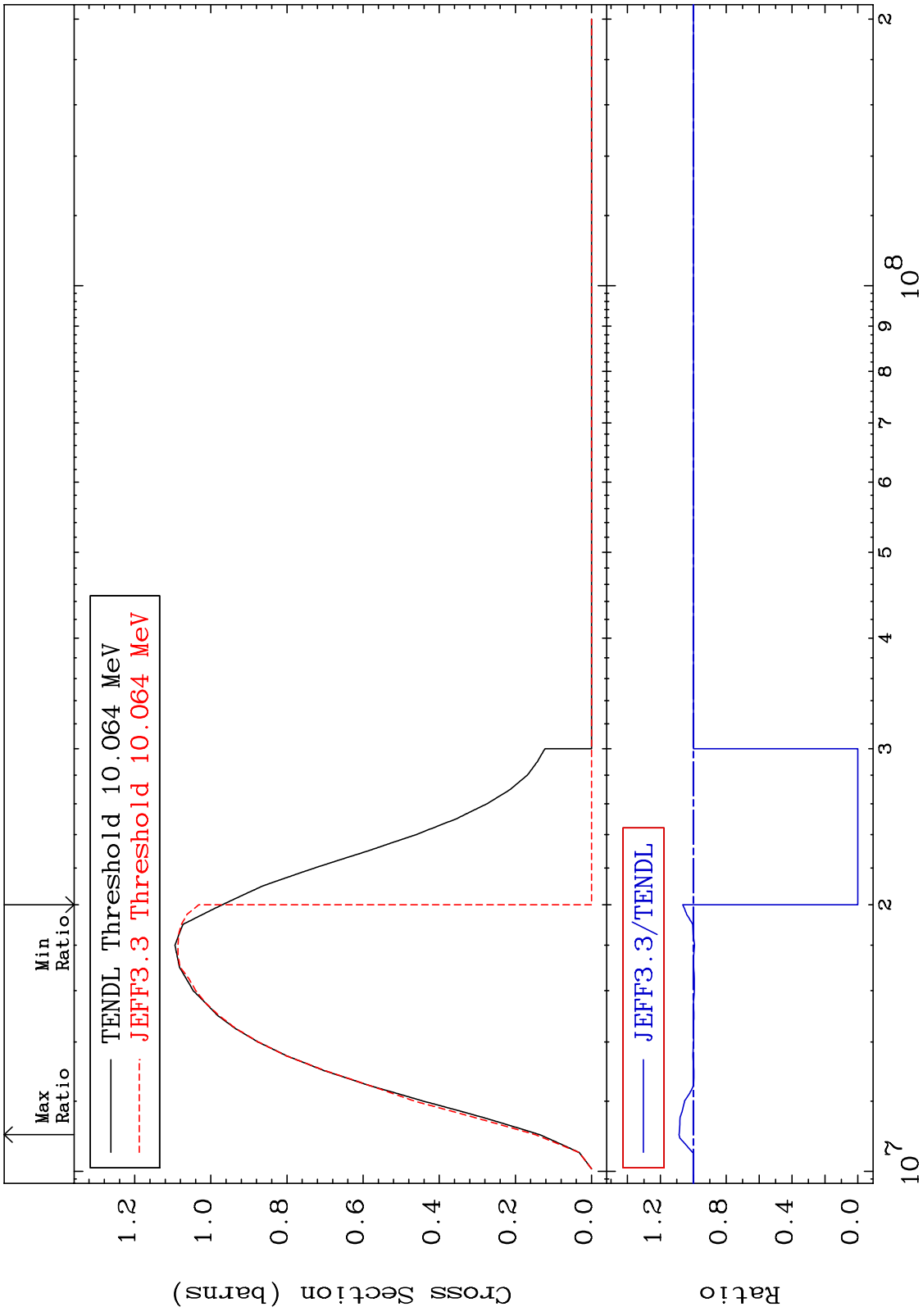


2 29-Cu-65



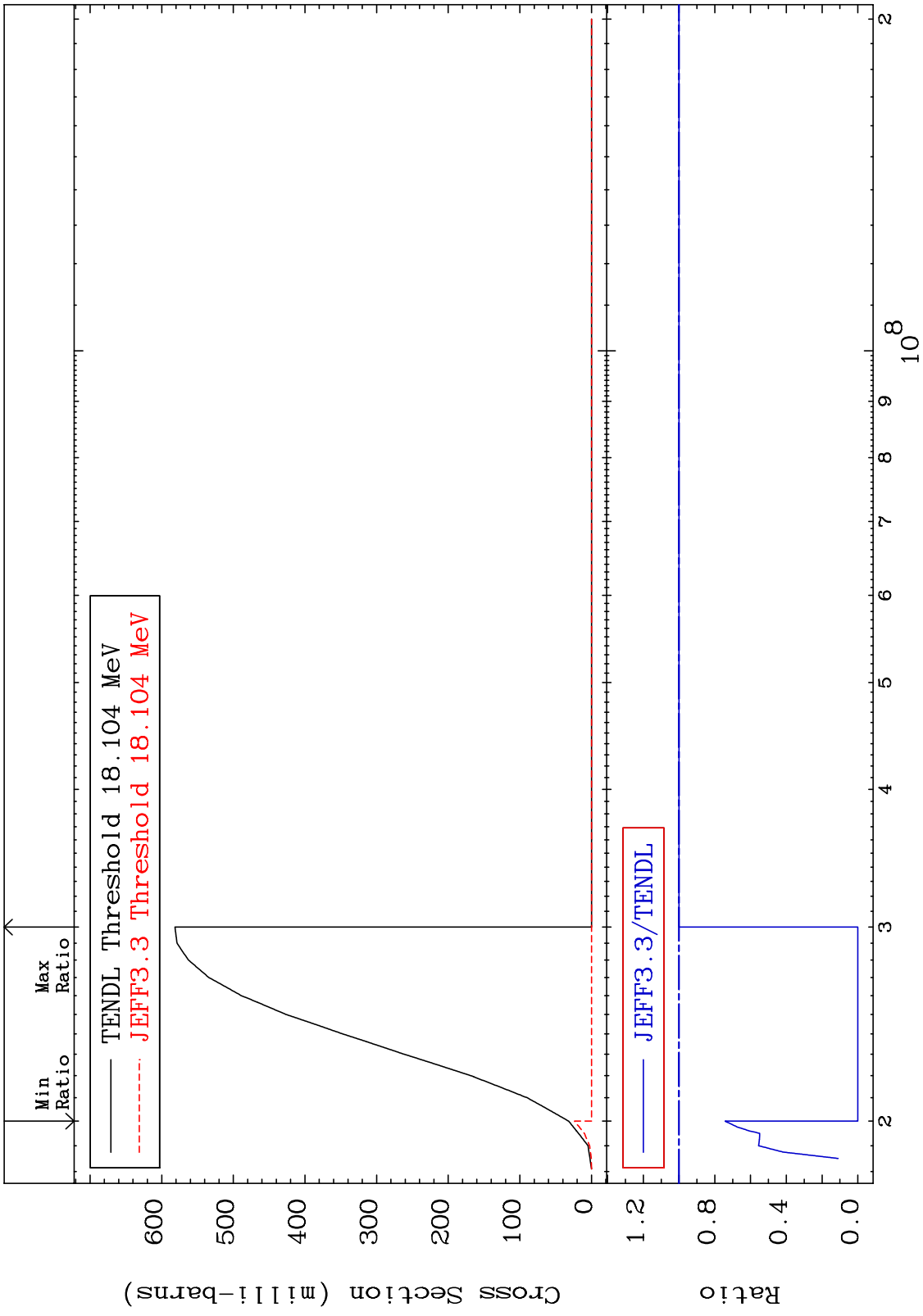


MAT 2931 (n,2n) 29-Cu-65
Cross Section -100.0 To 8.661 %

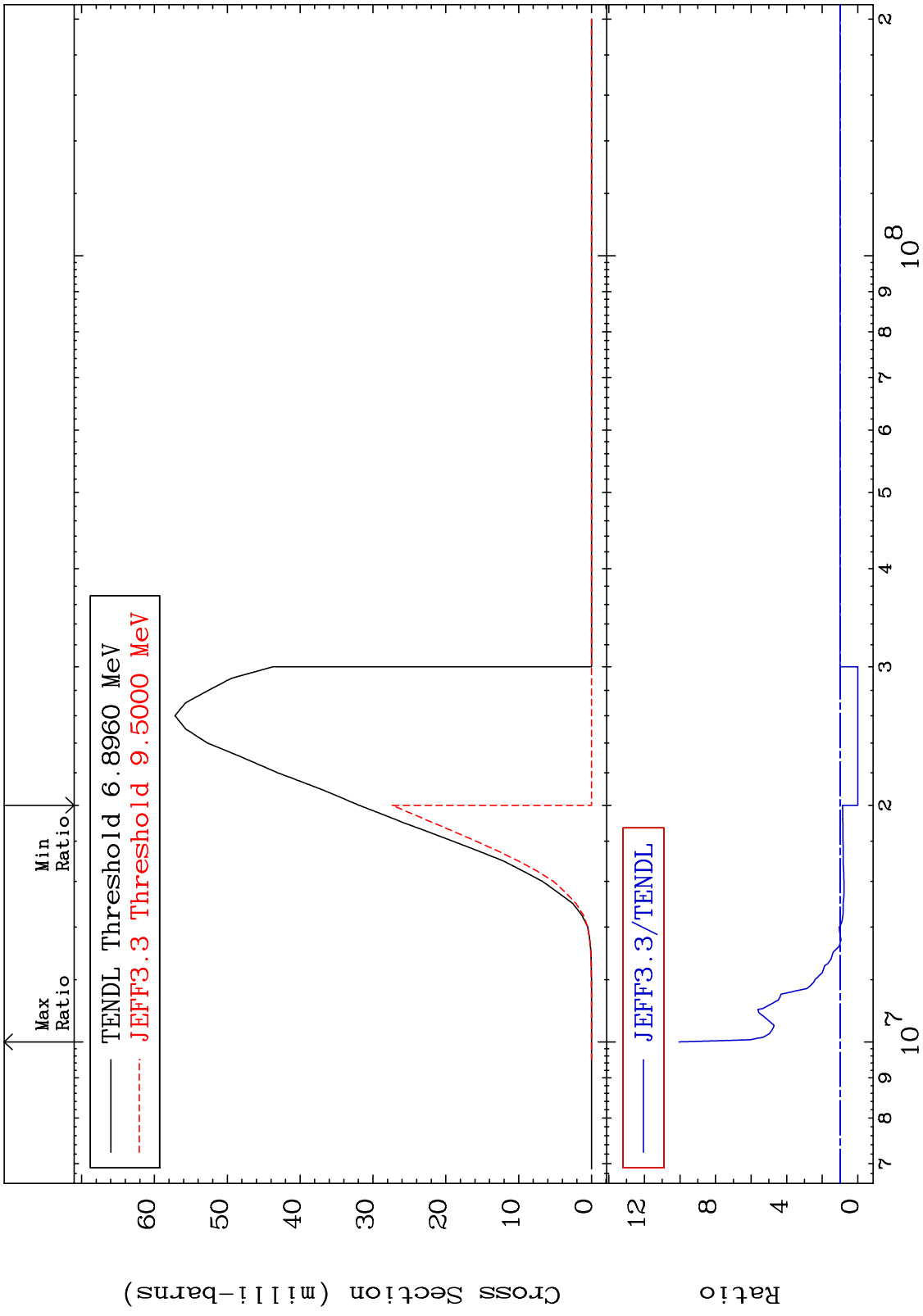


Incident Energy (eV) 29-Cu-65

MAT 2931 (n,3n) 29-Cu-65
 Cross Section -100.0 To 0.000 %

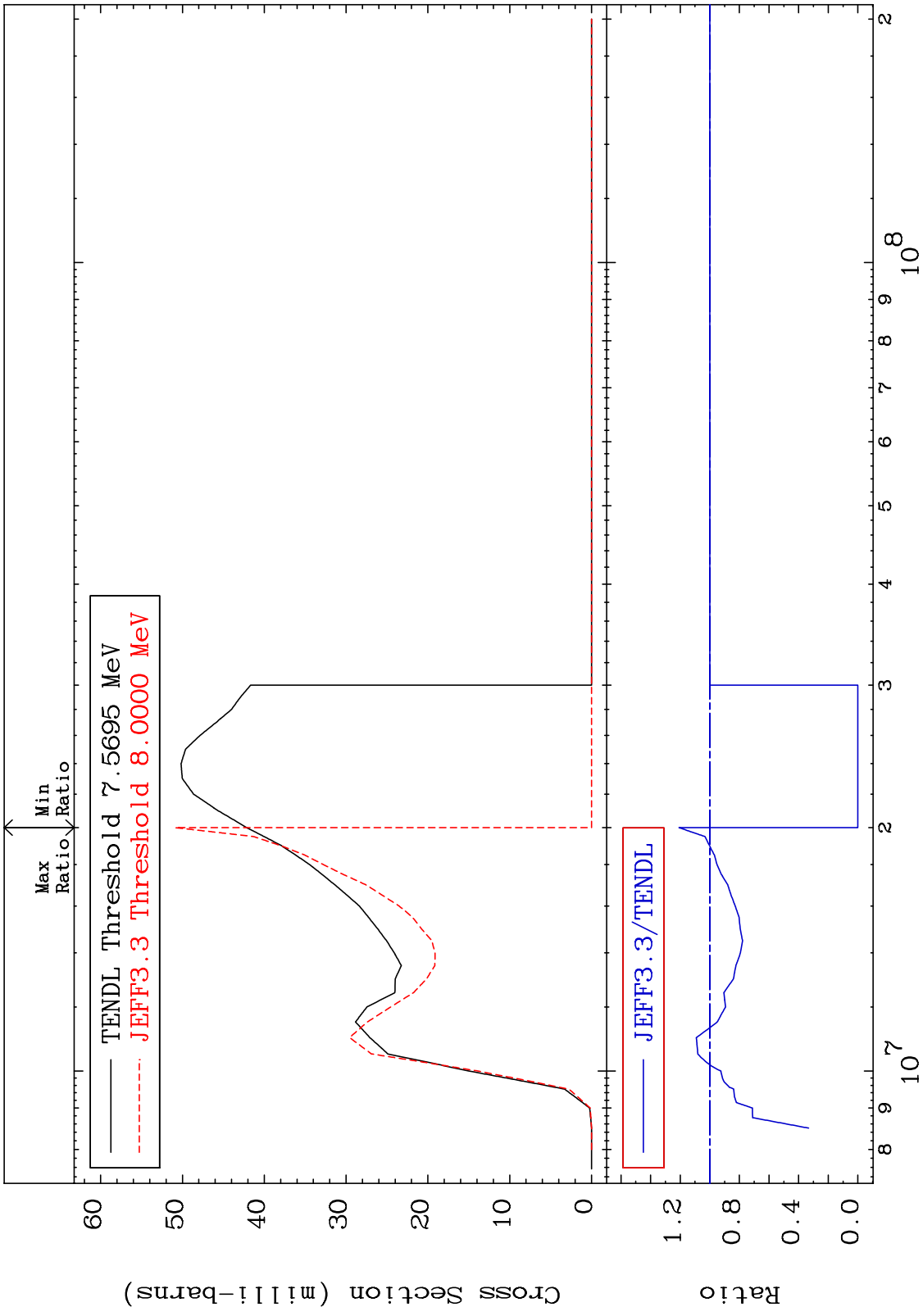


MAT 2931 $(n, n') \alpha$ 29-Cu-65
Cross Section -100.0 To 905.2 %



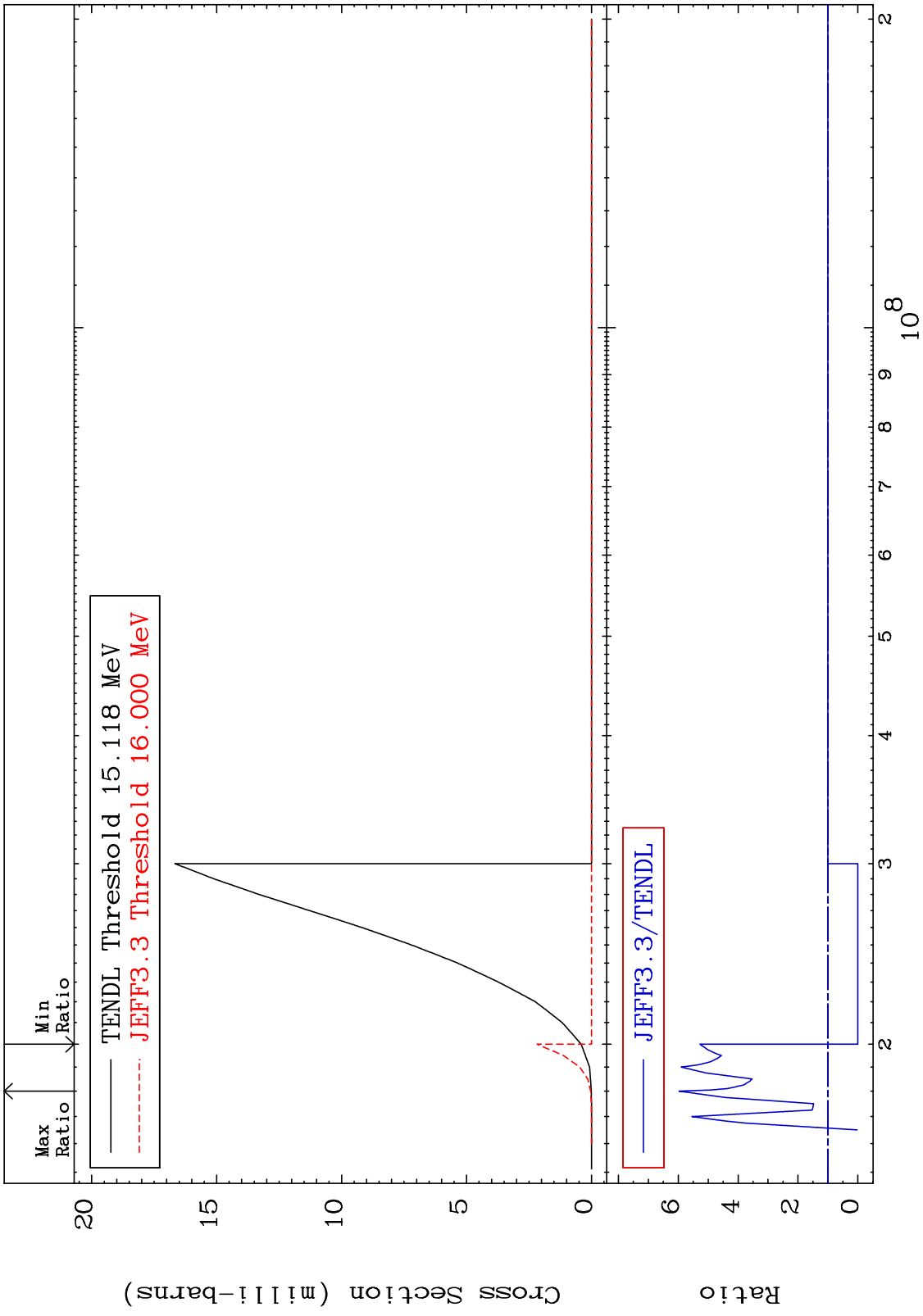
Incident Energy (eV) 29-Cu-65

MAT 2931 (n, n') p $^{29}\text{Cu-65}$
 Cross Section -100.0 To 20.79 %

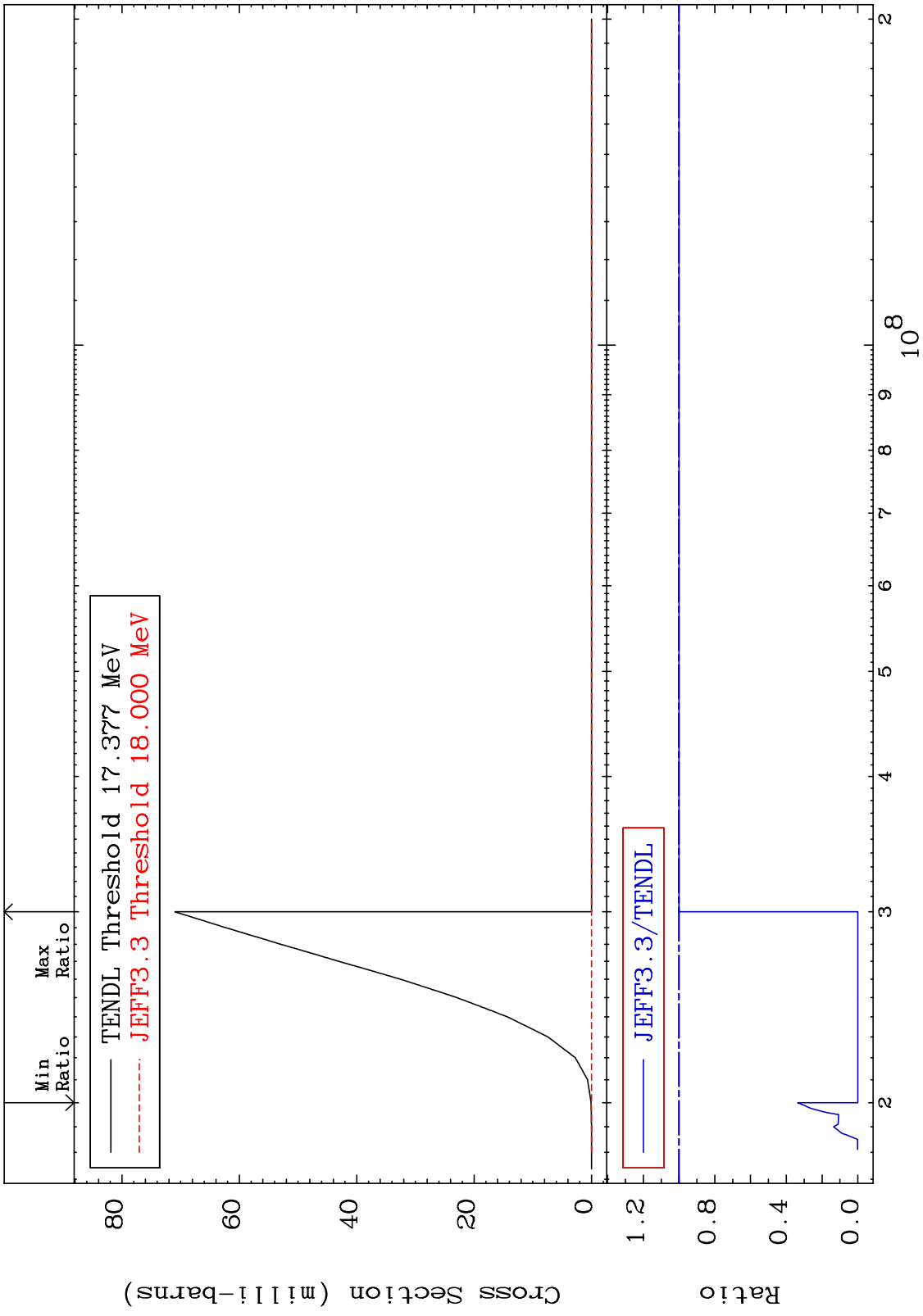


8 29-Cu-65

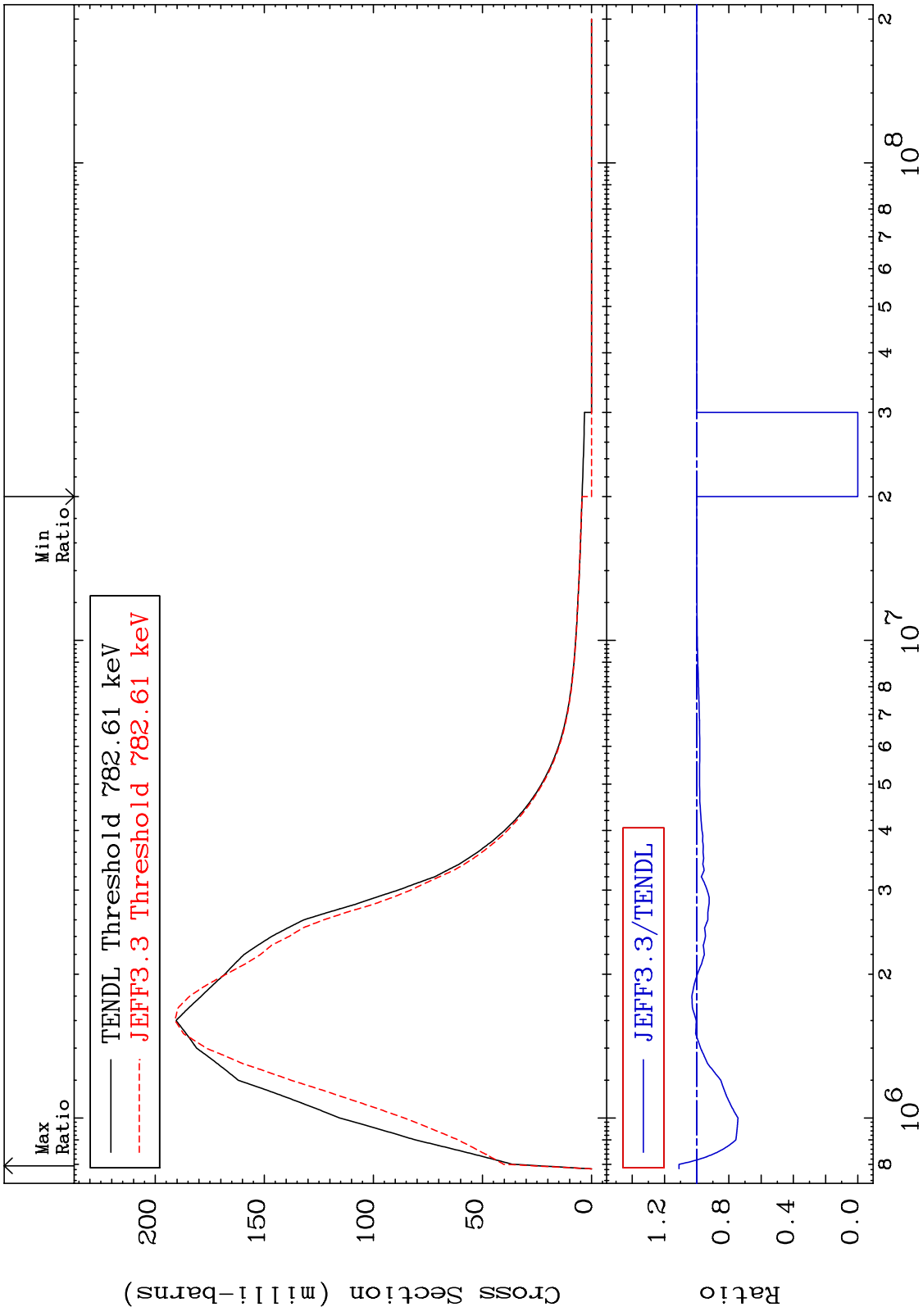
MAT 2931 (n, n') d 29-Cu-65
 Cross Section -100.0 To 497.3 %



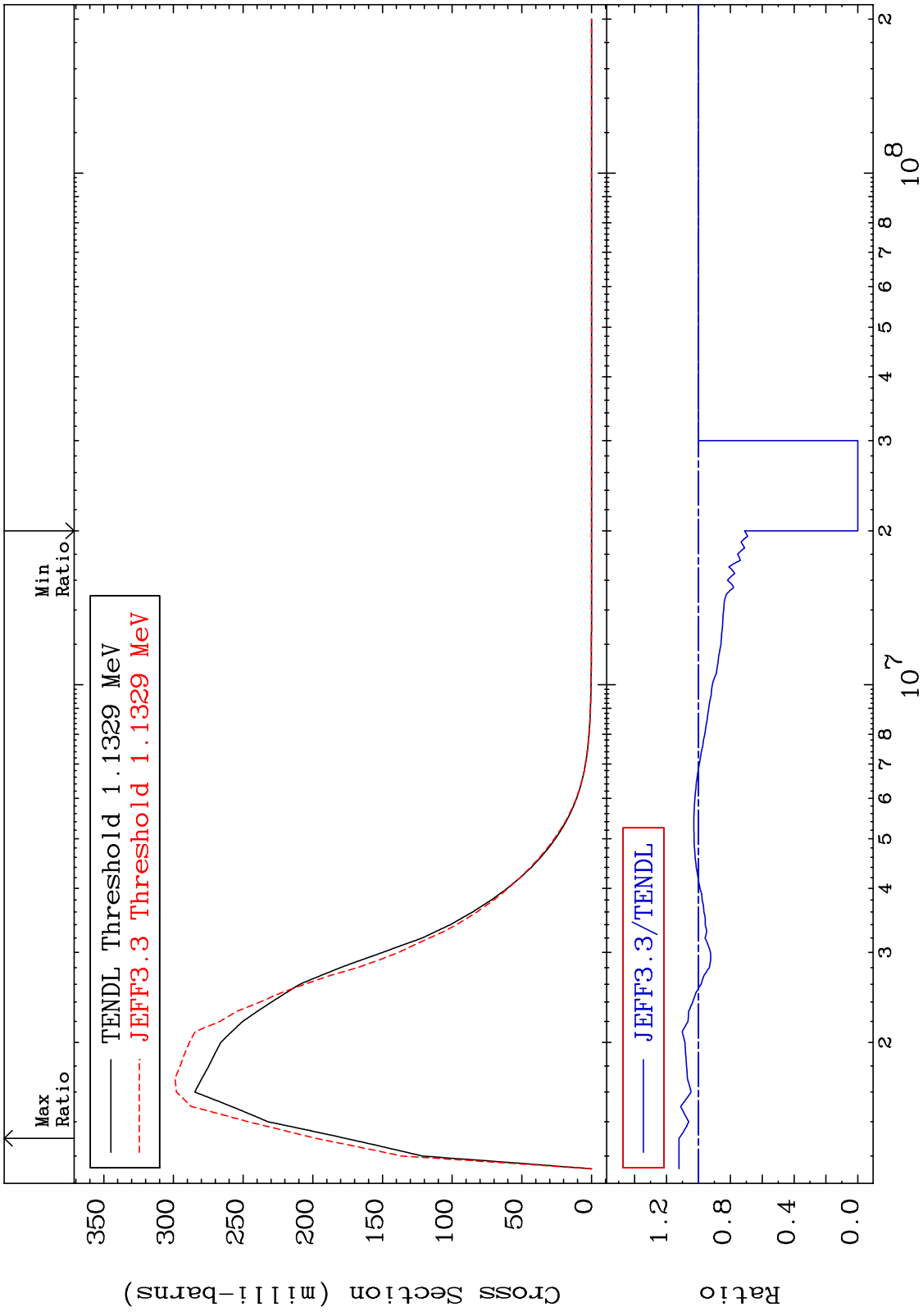
MAT 2931 (n,2n) p 29-Cu-65
 Cross Section -100.0 To 0.000 %



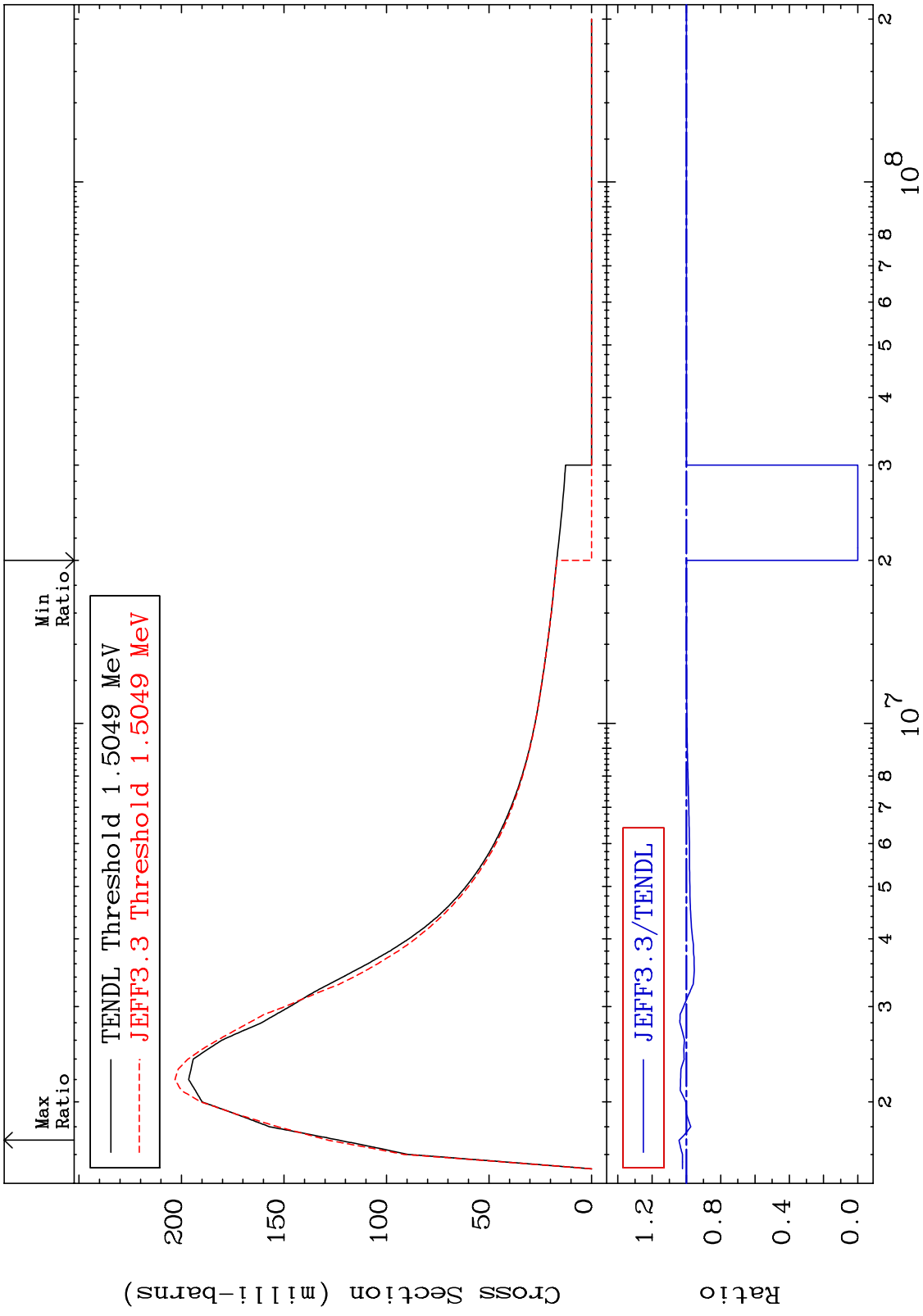
MAT 2931 MT= 51 (n,n') Level Cross Section -100.0 To 10.95 % 29-Cu-65



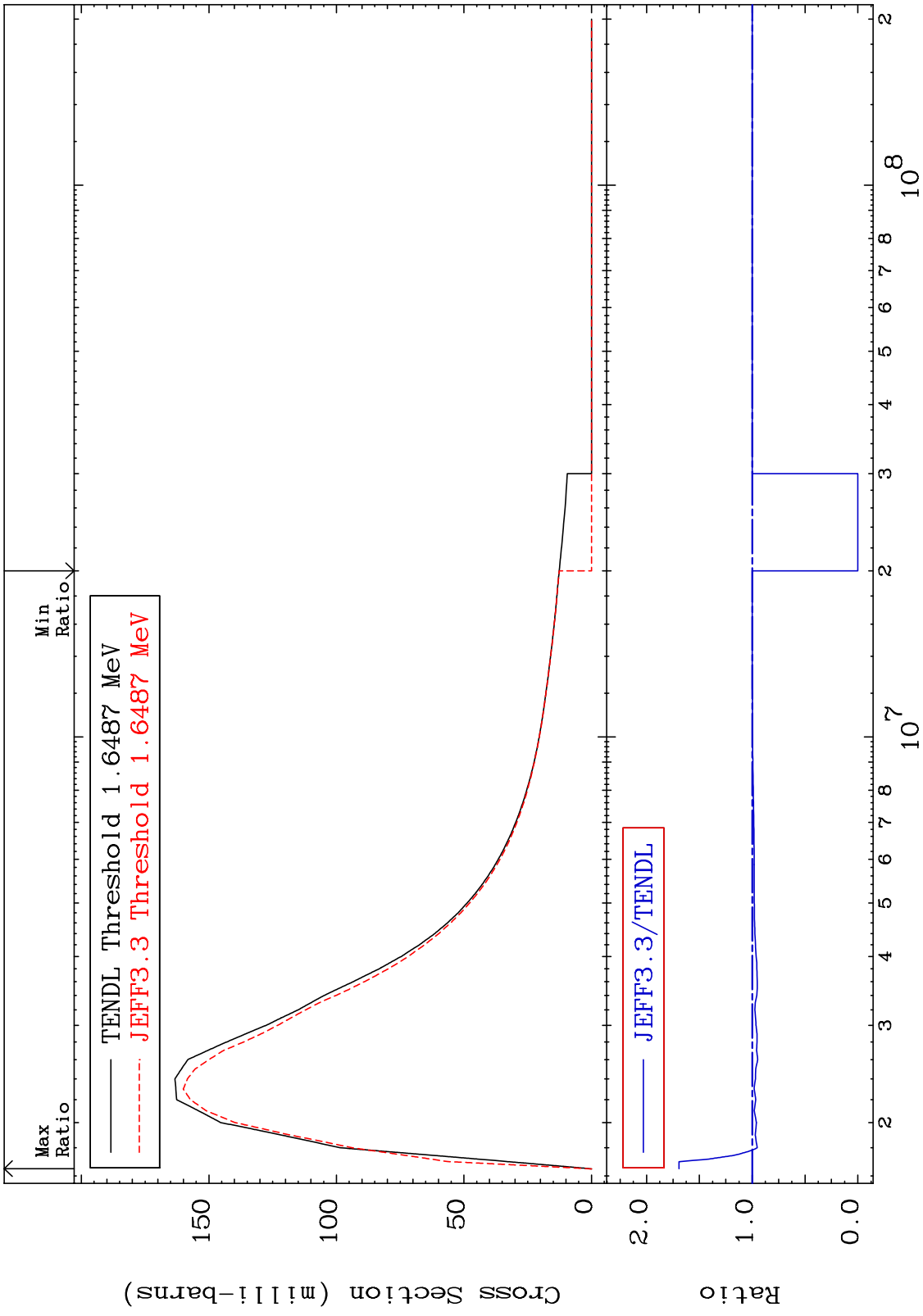
MAT 2931 MT= 52 (n,n') Level Cross Section -100.0 To 12.16 % 29-Cu-65



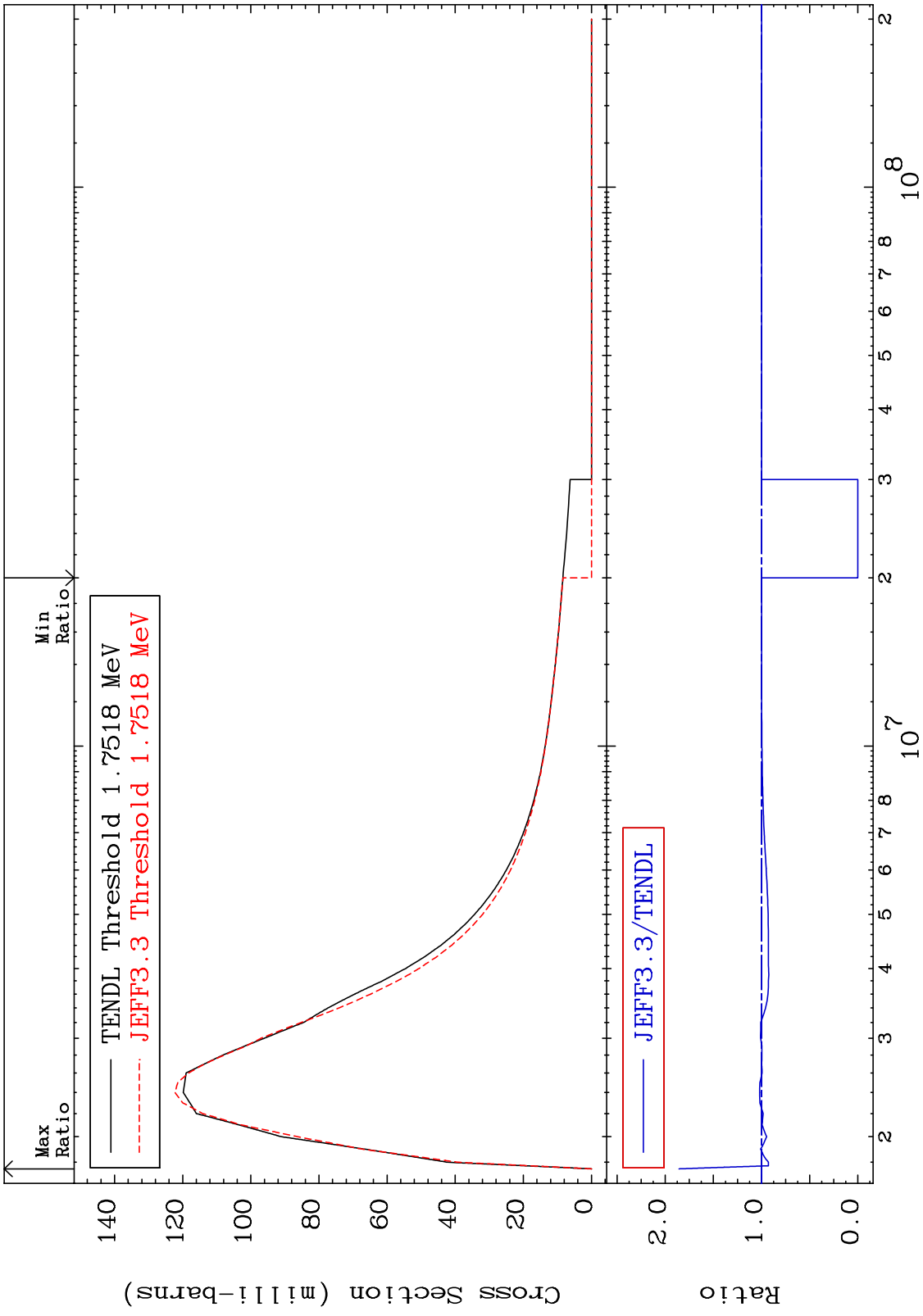
MAT 2931 MT= 53 (n,n') Level Cross Section -100.0 To 4.300 % 29-Cu-65



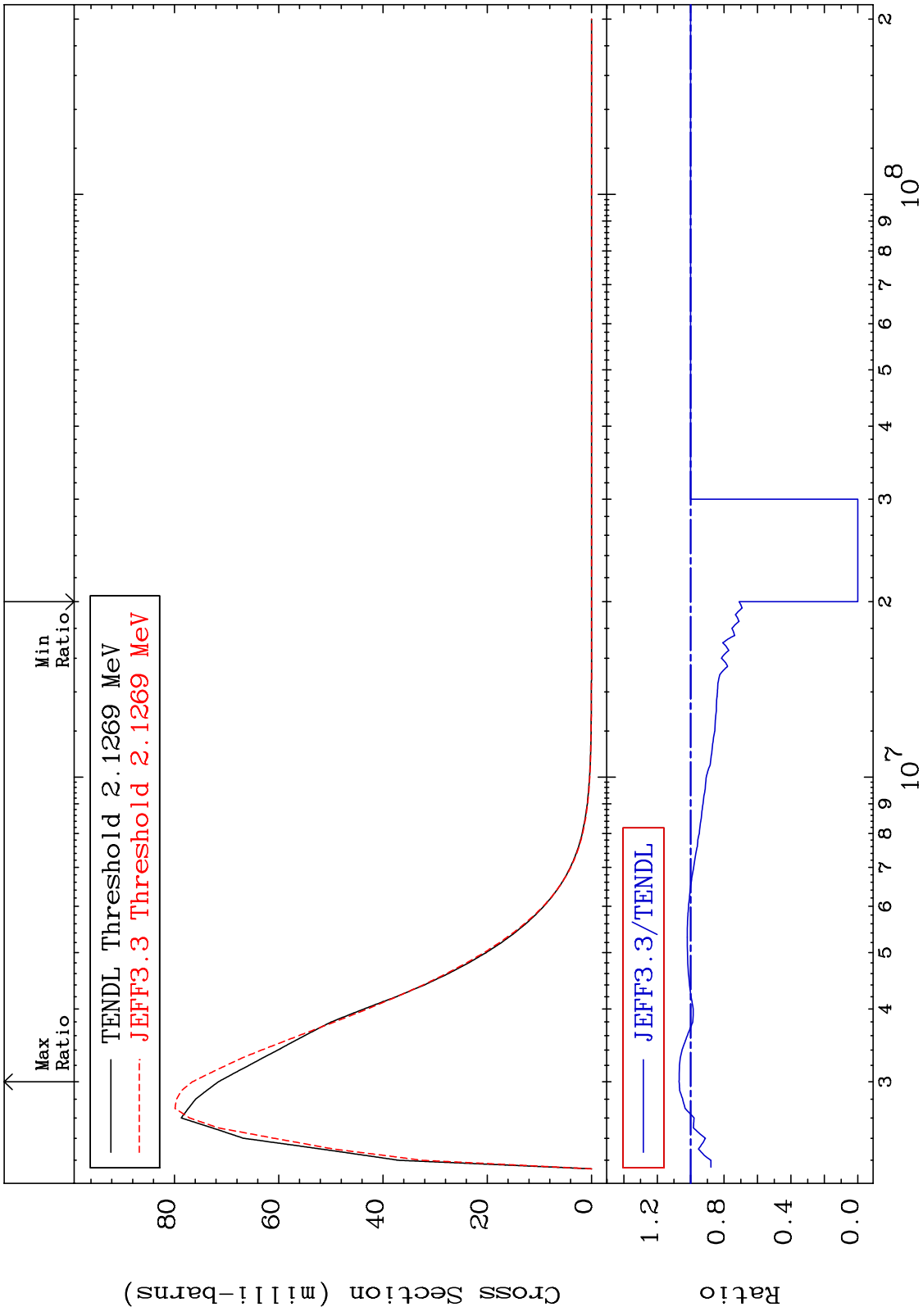
MAT 2931 MT= 54 (n,n') Level Cross Section -100.0 To 69.27 % 29-Cu-65



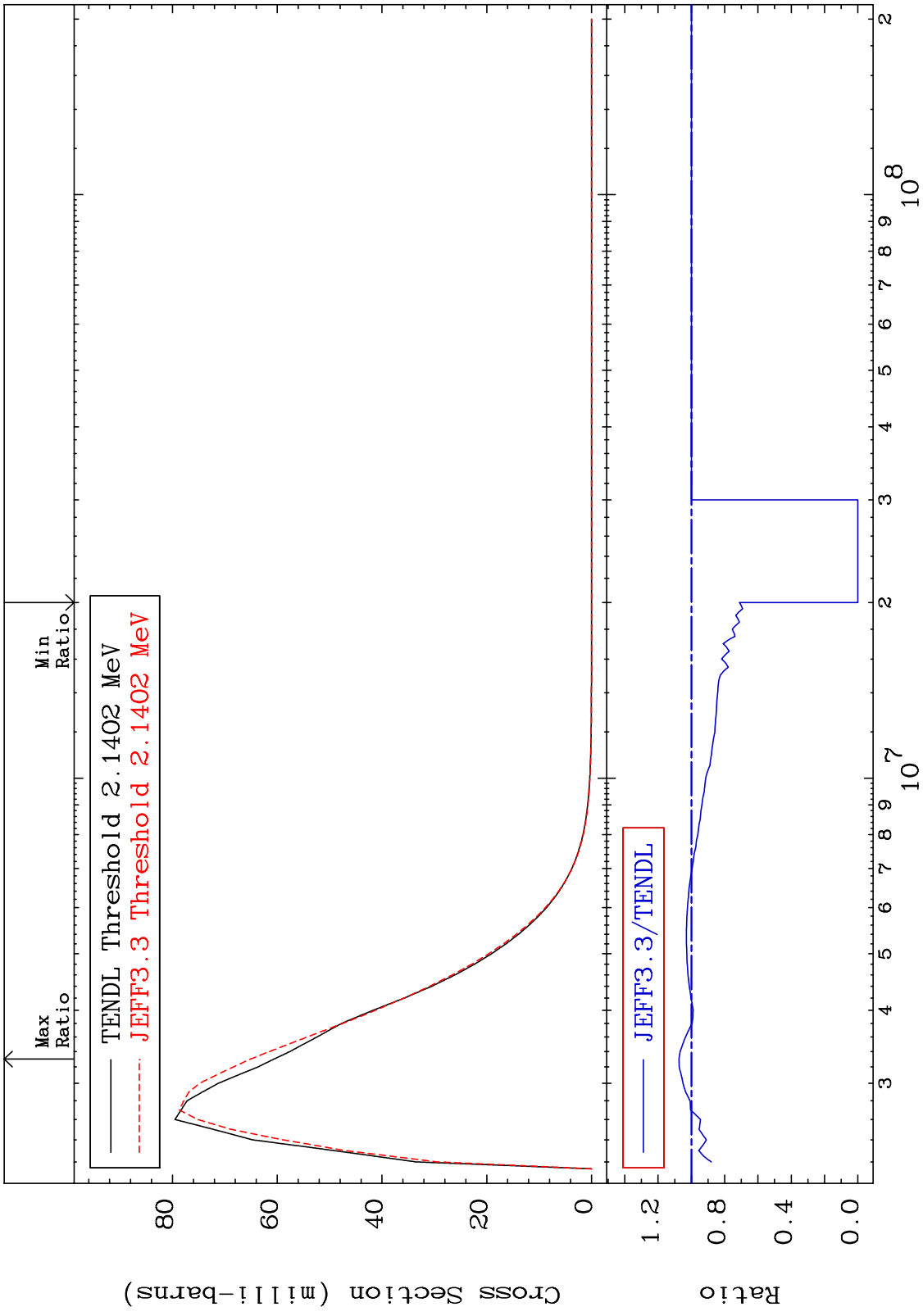
MAT 2931 MT= 55 (n,n') Level Cross Section -100.0 To 85.67 % 29-Cu-65



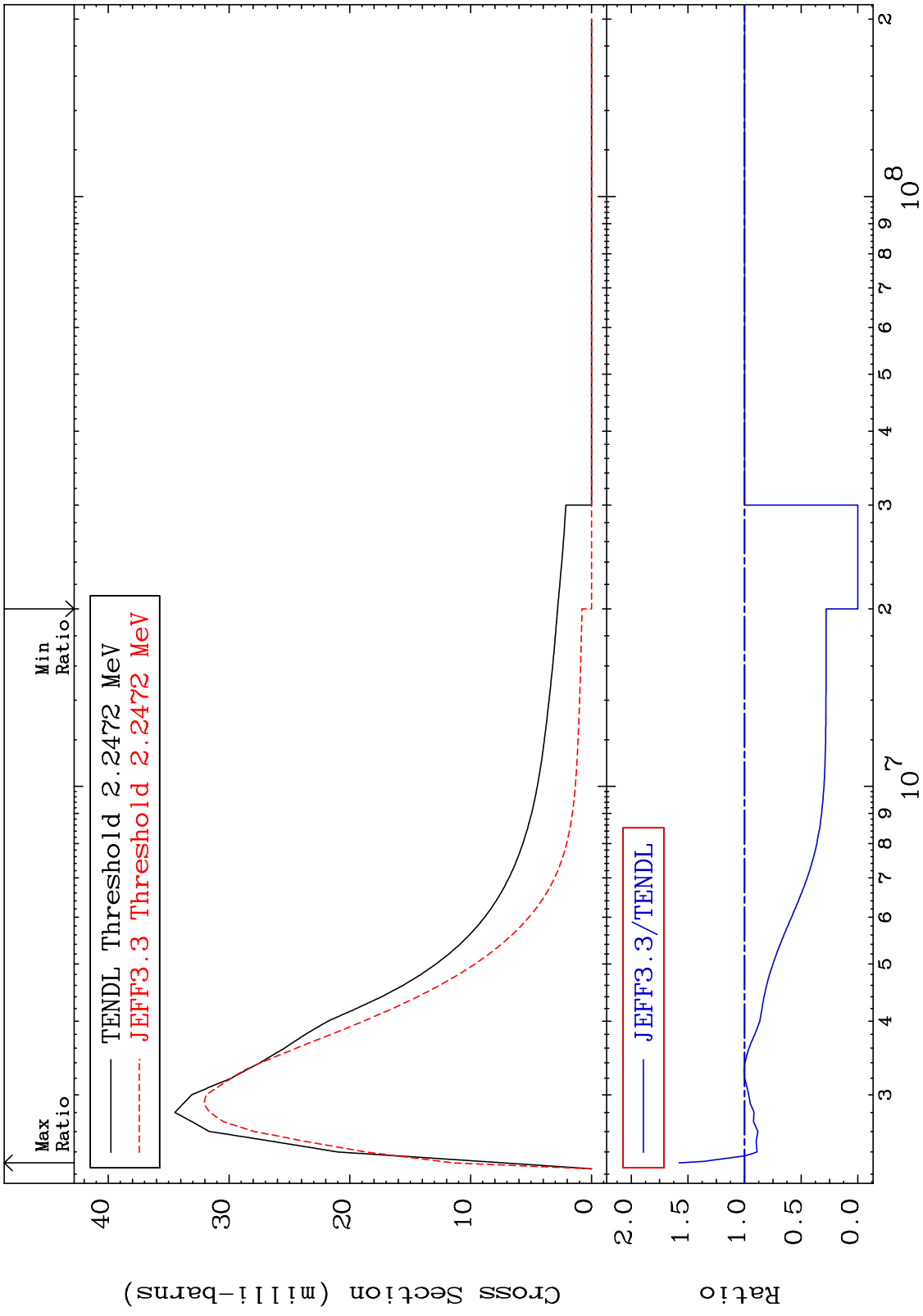
MAT 2931 MT= 56 (n,n') Level Cross Section -100.0 To 6.949 % 29-Cu-65



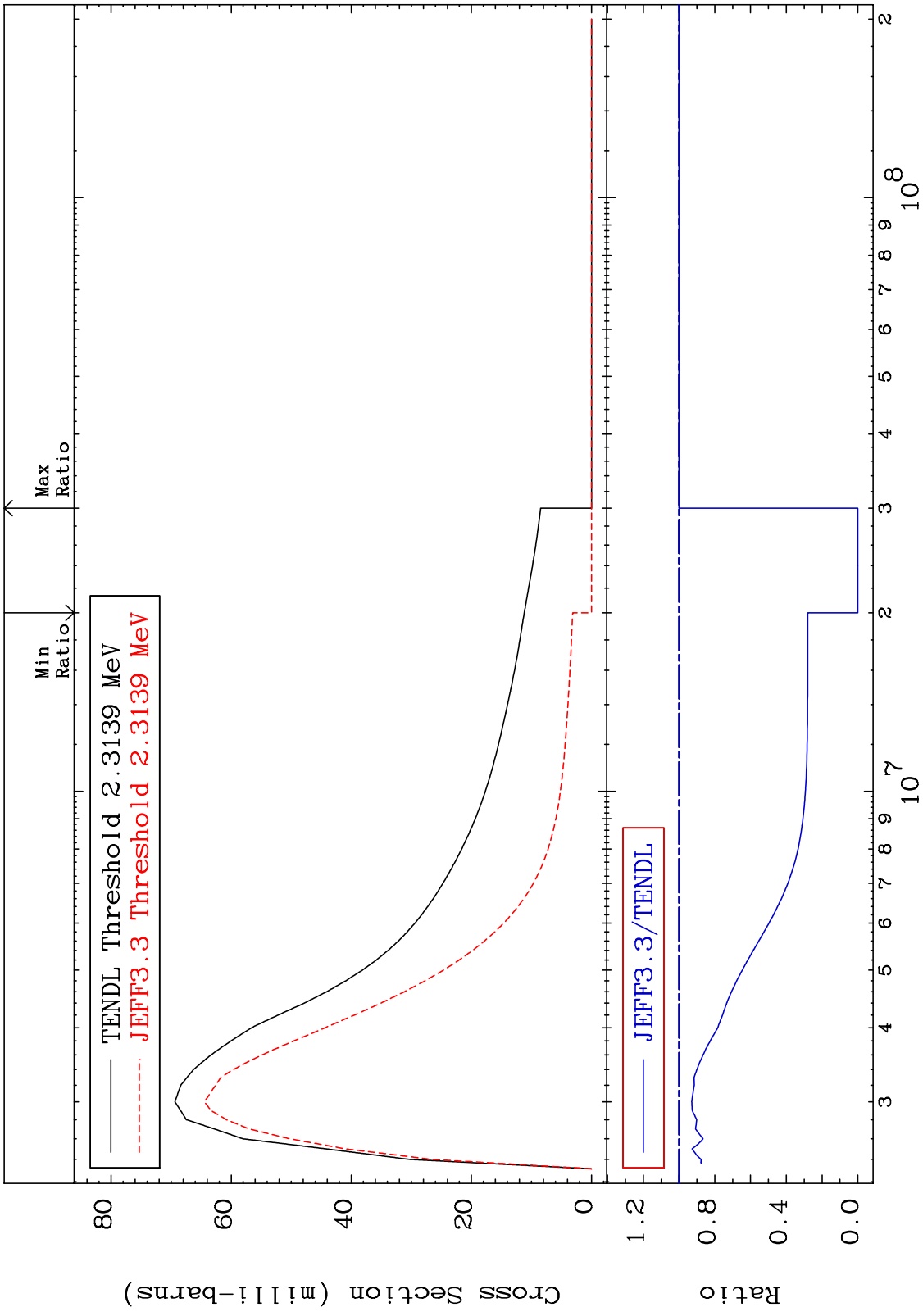
MAT 2931 MT= 57 (n,n') Level 29-Cu-65
 Cross Section -100.0 To 7.400 %



MAT 2931 MT= 58 (n,n') Level Cross Section -100.0 To 57.84 % 29-Cu-65

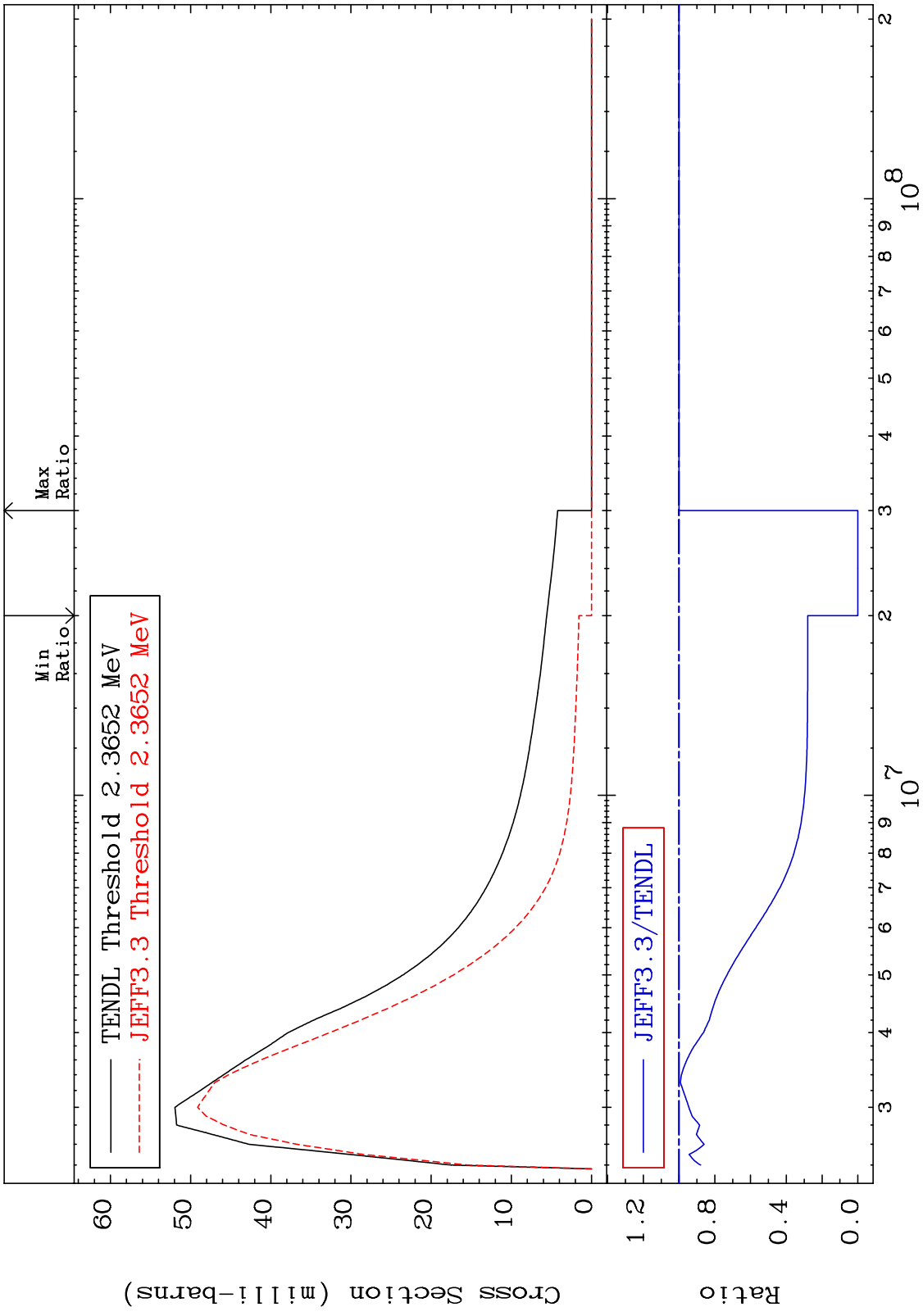


MAT 2931 MT= 59 (n,n') Level Cross Section -100.0 To 0.000 % 29-Cu-65

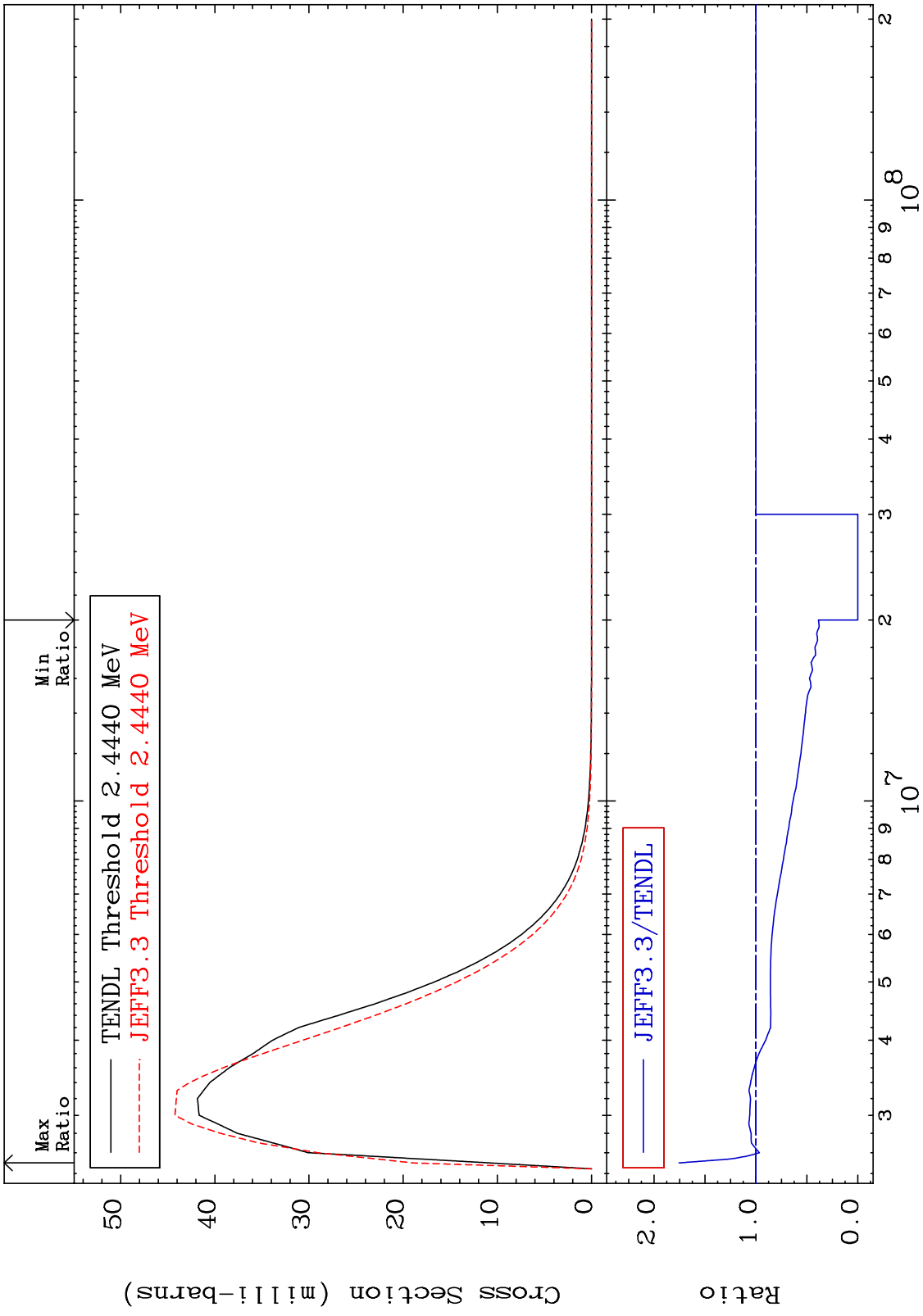


19 29-Cu-65

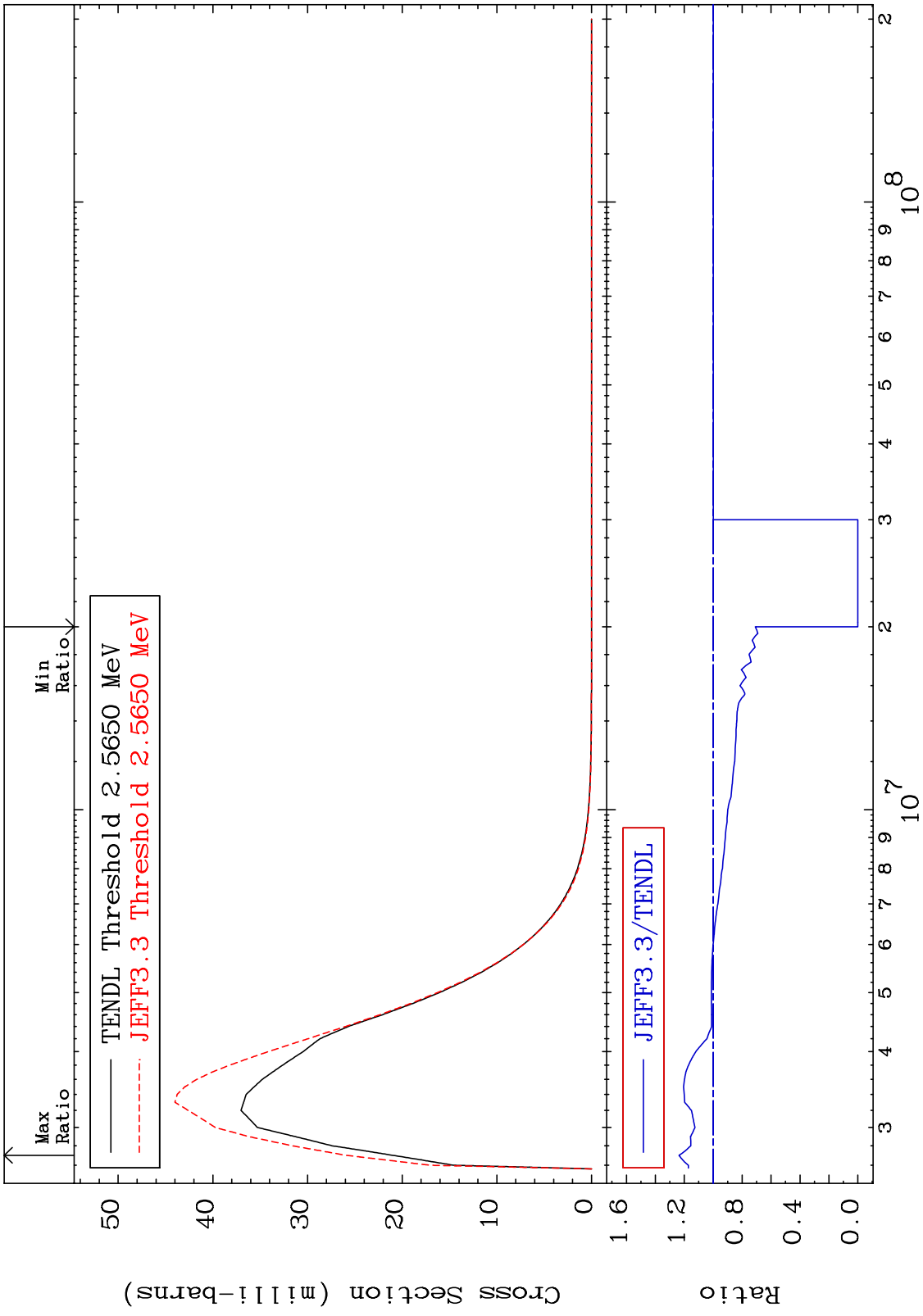
MAT 2931 MT= 60 (n,n') Level Cross Section 29-Cu-65
 -100.0 To 0.000 %



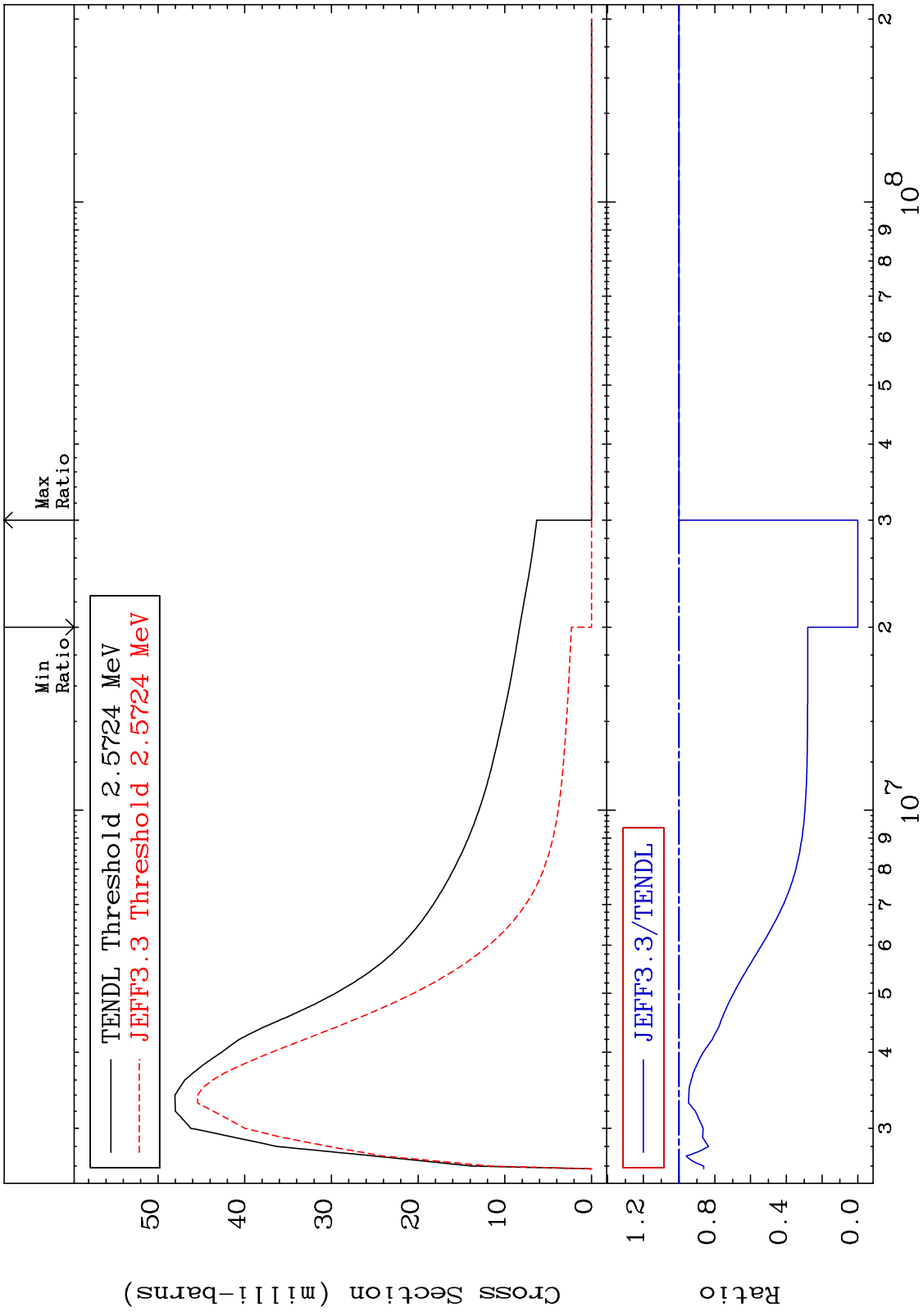
MAT 2931 MT= 61 (n,n') Level Cross Section -100.0 To 75.52 % 29-Cu-65



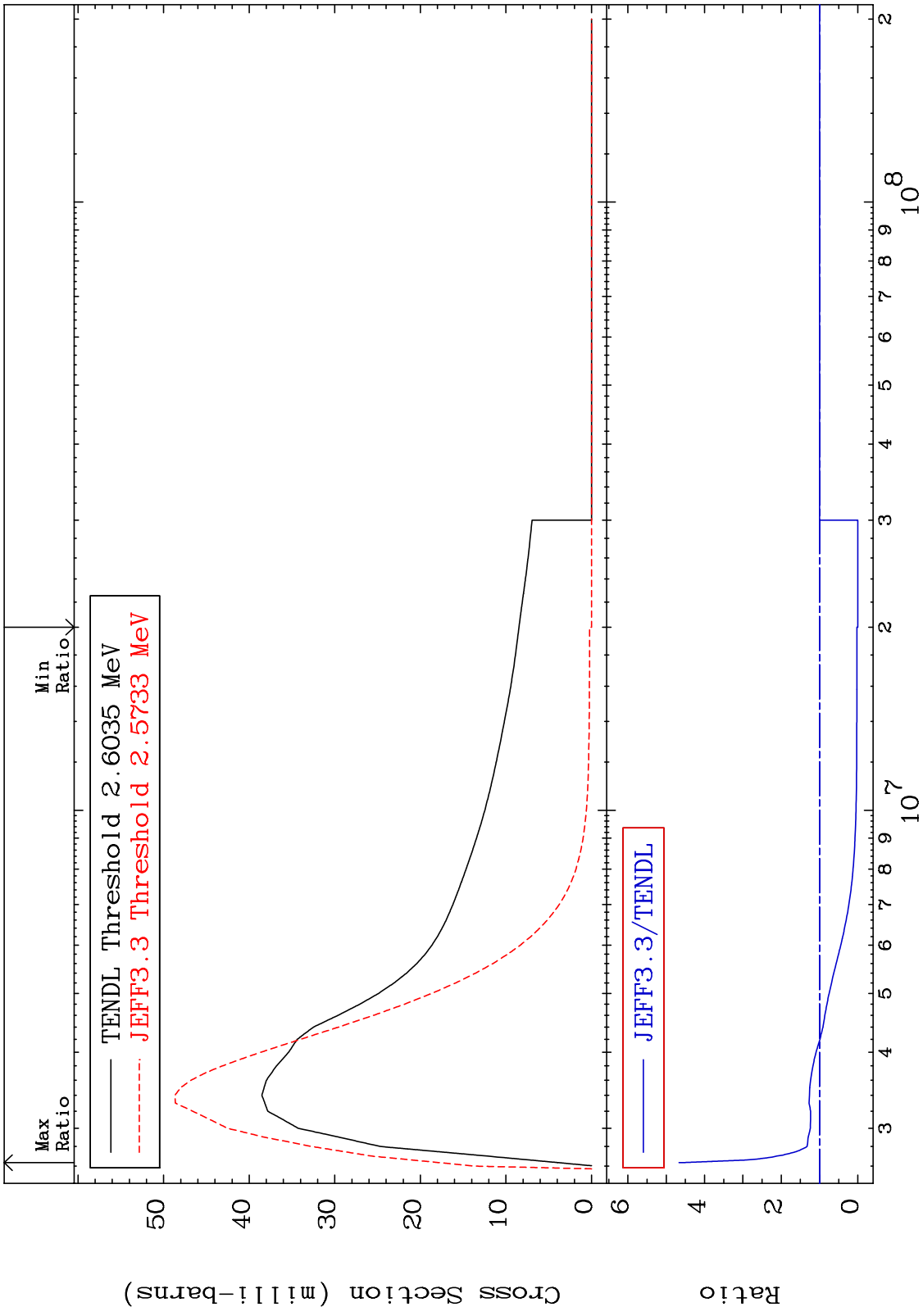
MAT 2931 MT= 62 (n,n') Level Cross Section -100.0 To 23.61 % 29-Cu-65



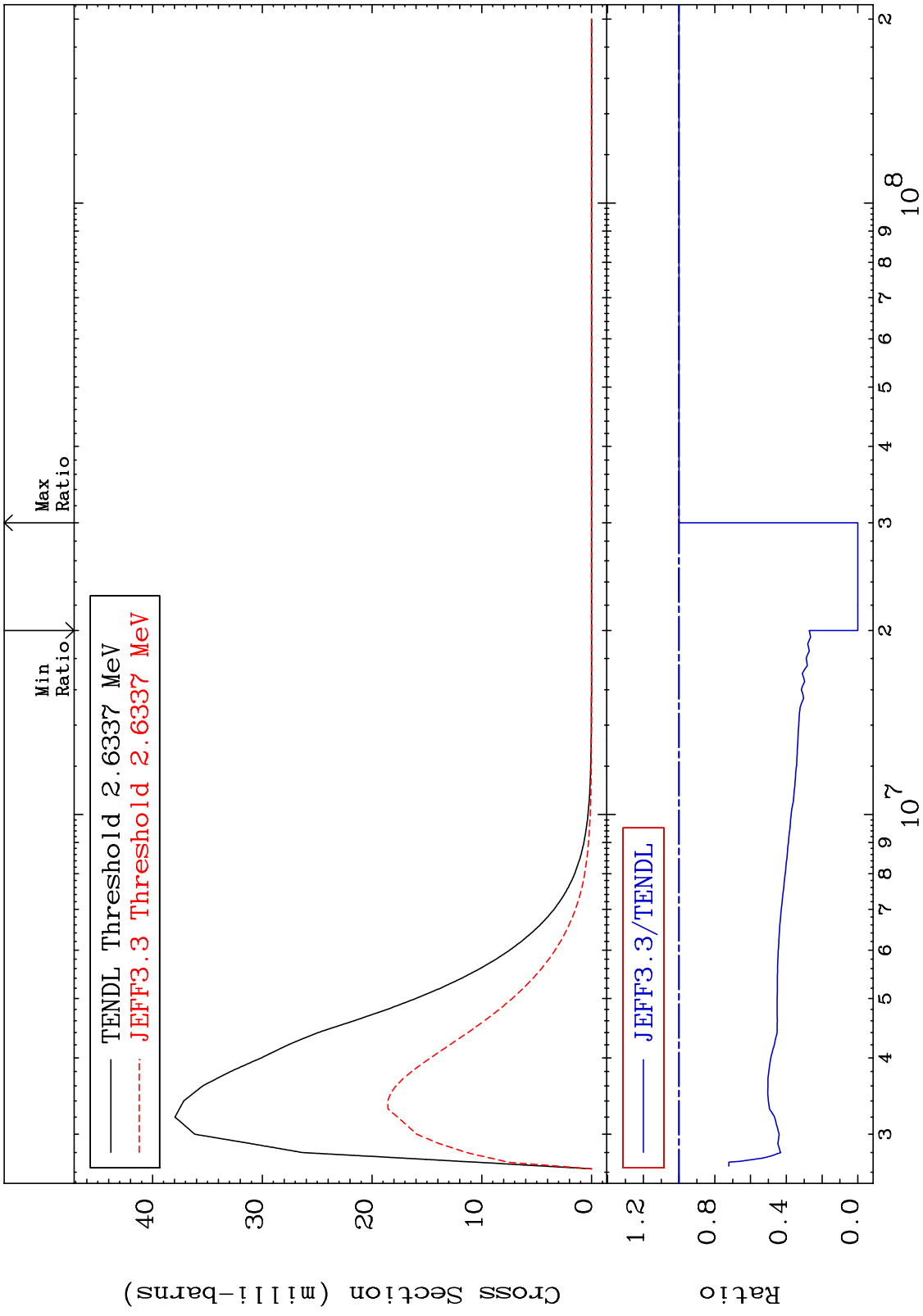
MAT 2931 MT= 63 (n,n') Level Cross Section -100.0 To 0.000 % 29-Cu-65



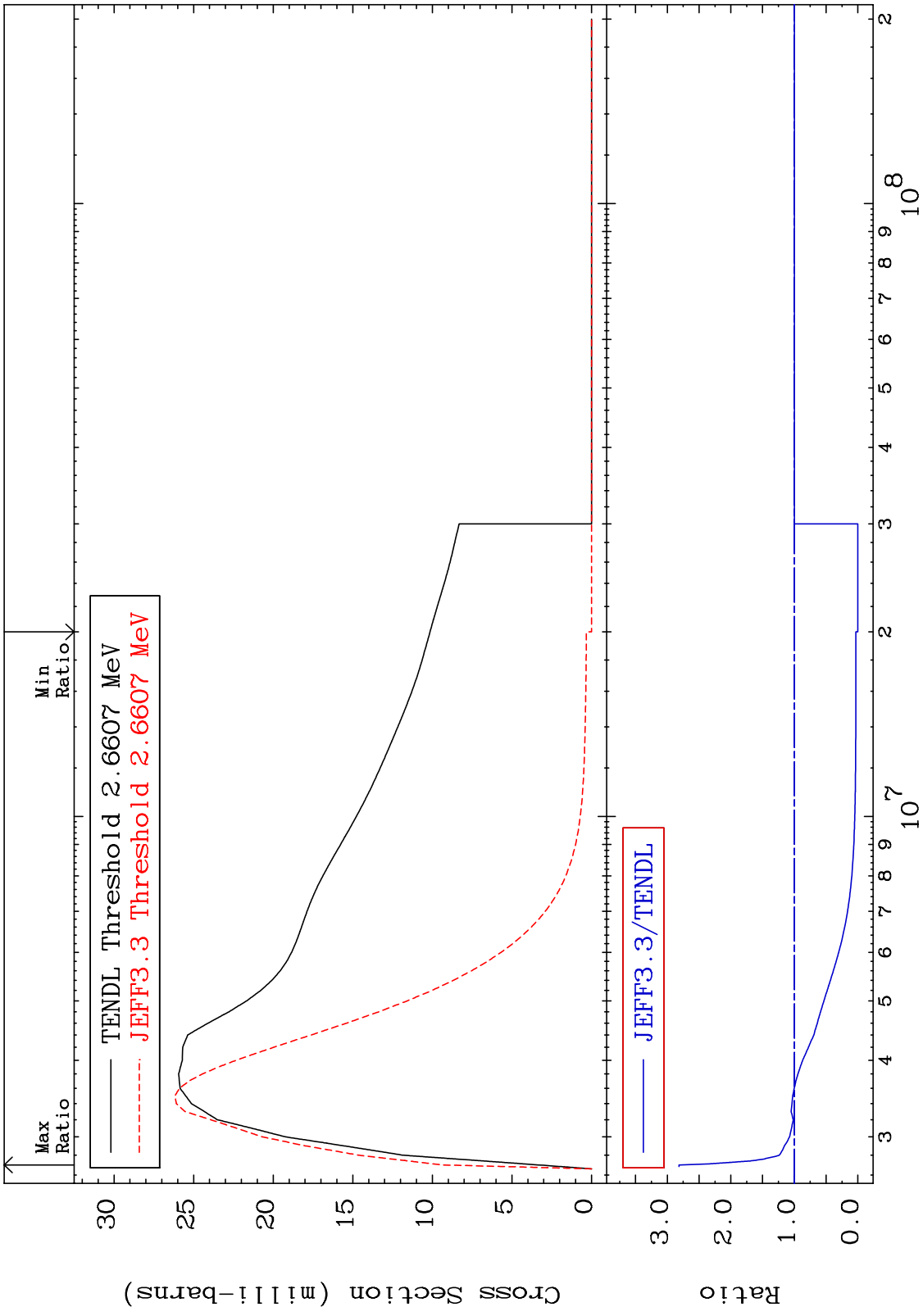
MAT 2931 MT= 64 (n,n') Level 29-Cu-65
 Cross Section -100.0 To 366.5 %



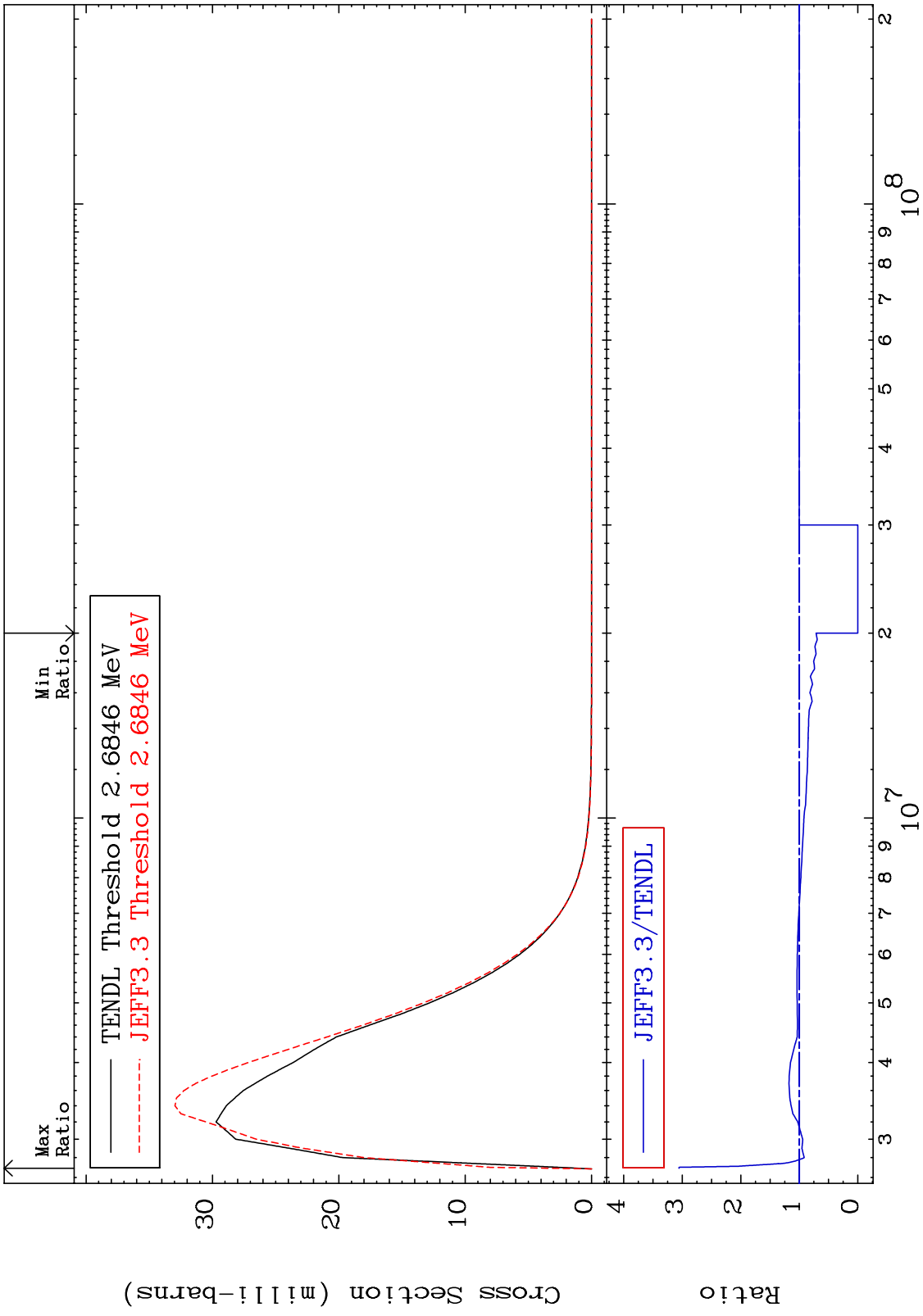
MAT 2931 MT= 65 (n,n') Level Cross Section -100.0 To 0.000 % 29-Cu-65



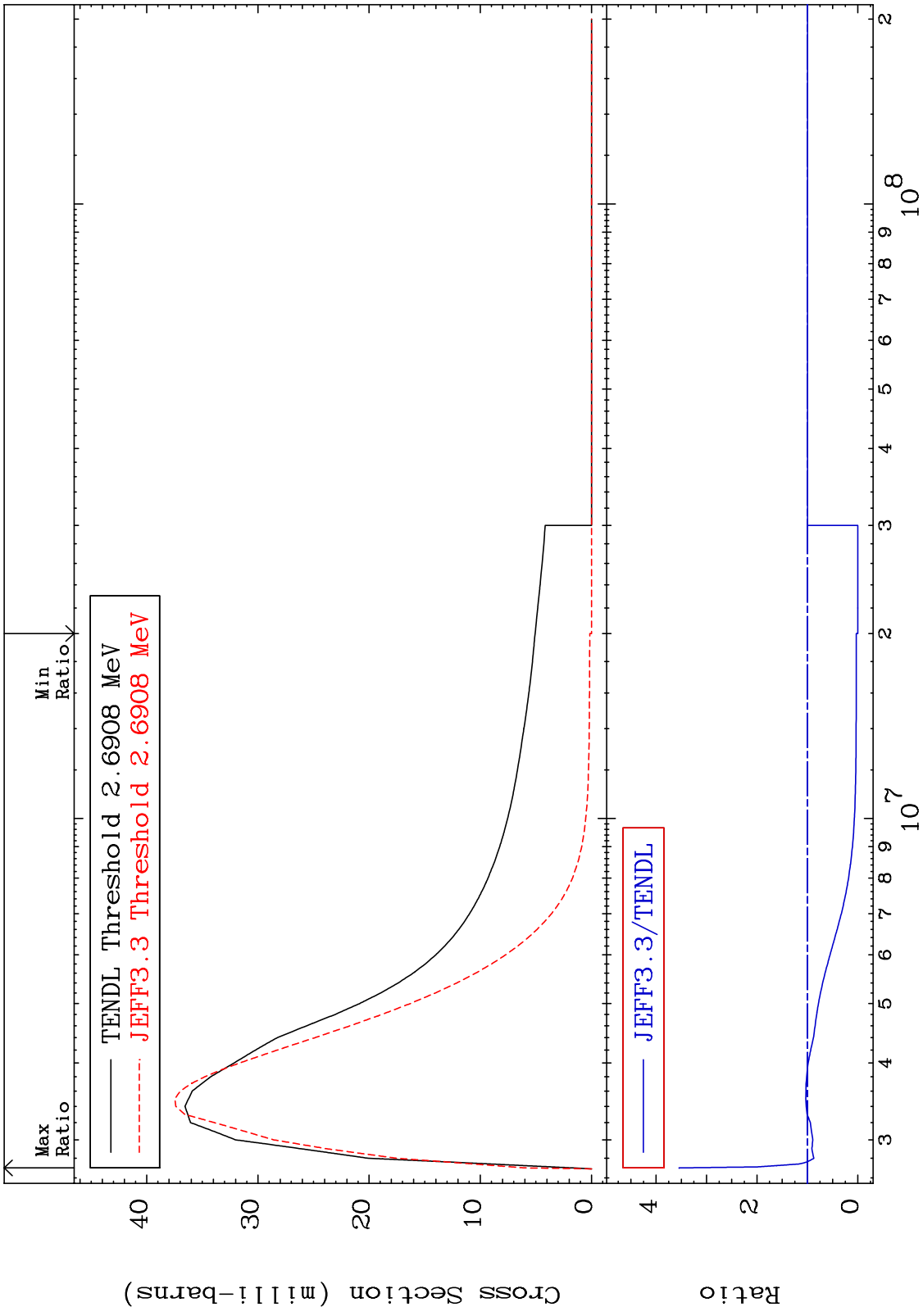
MAT 2931 MT= 66 (n,n') Level Cross Section 29-Cu-65
 -100.0 To 181.5 %



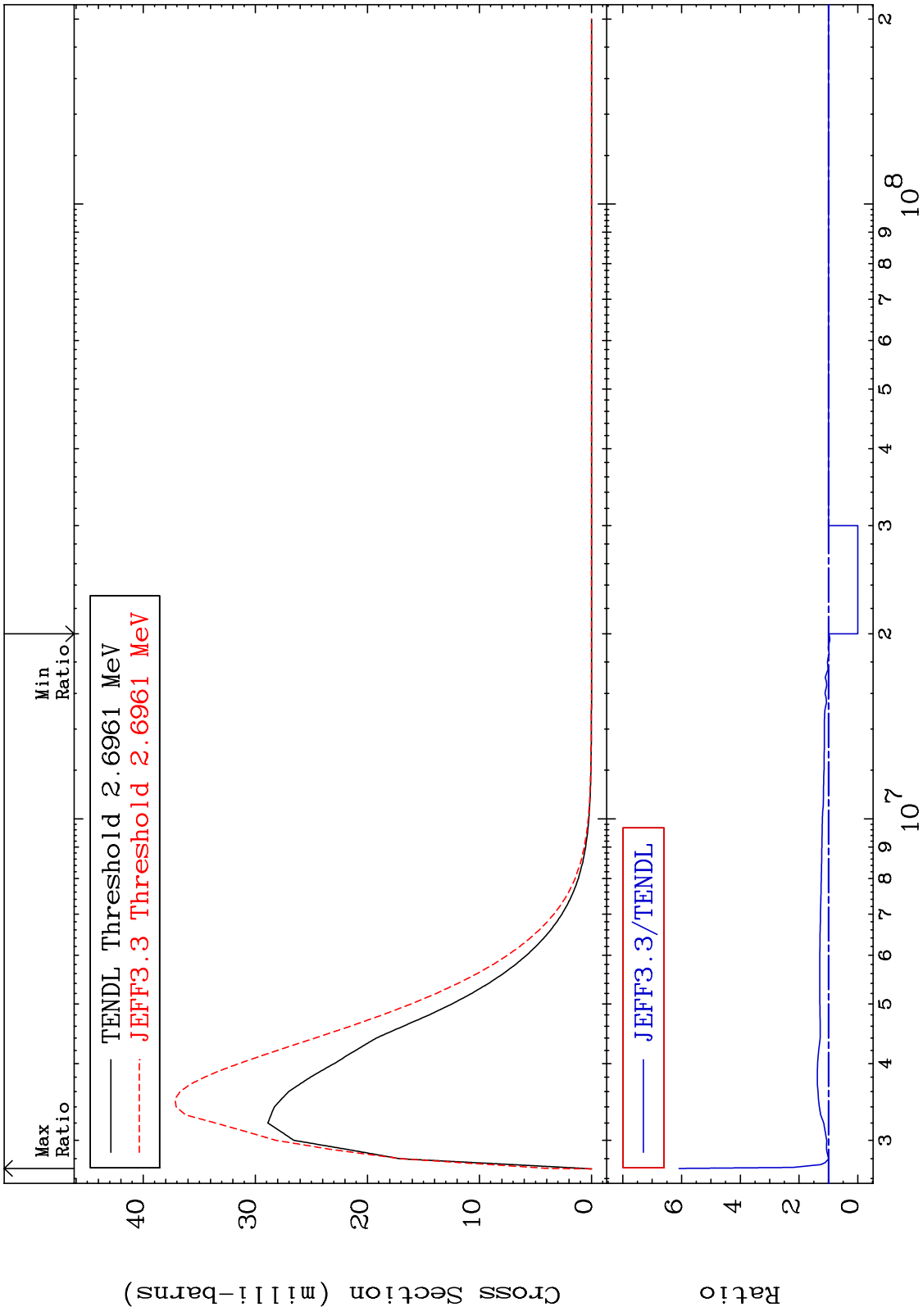
MAT 2931 MT= 67 (n,n') Level Cross Section -100.0 To 205.5 % 29-Cu-65



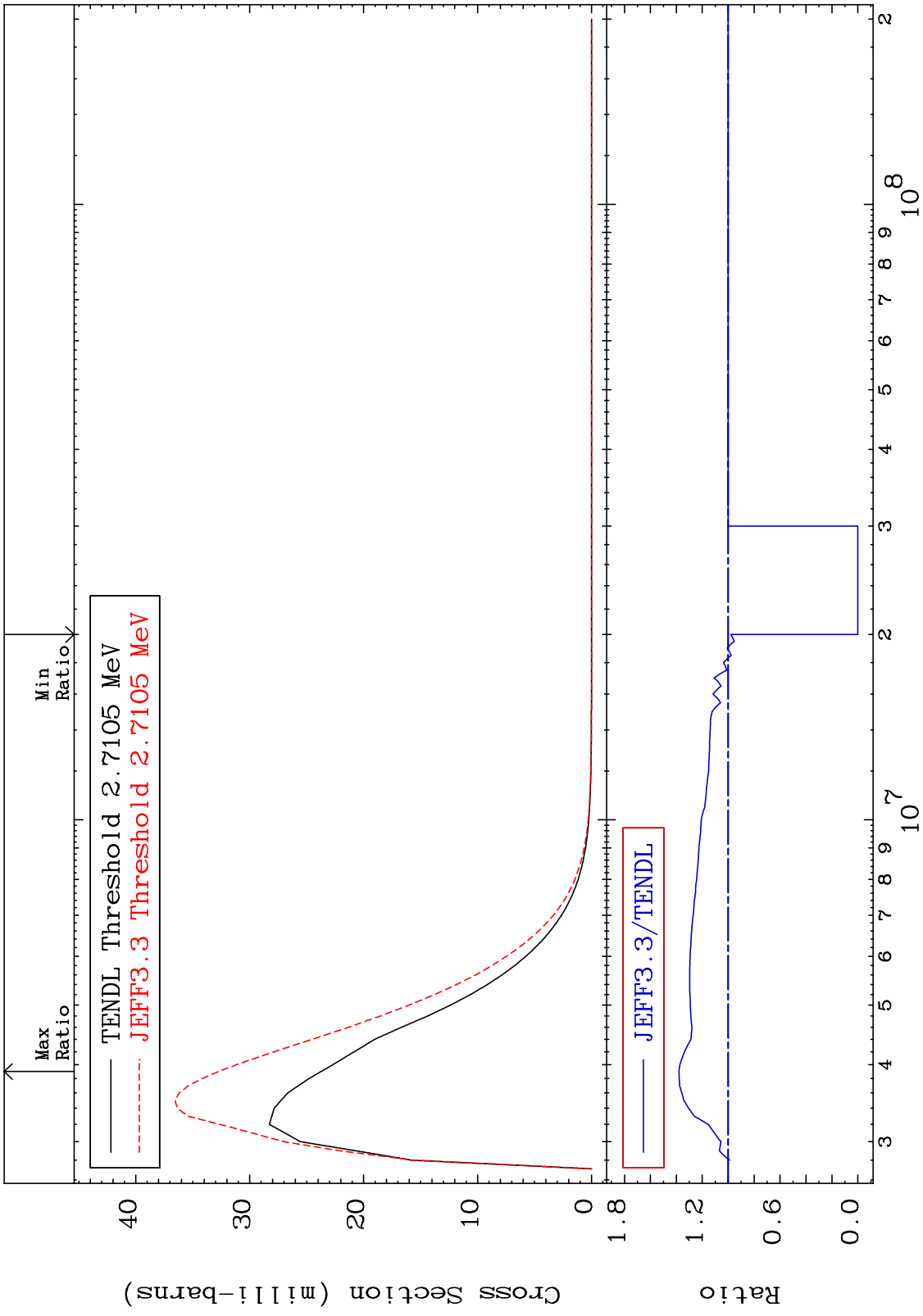
MAT 2931 MT= 68 (n,n') Level Cross Section -100.0 To 254.5 % 29-Cu-65

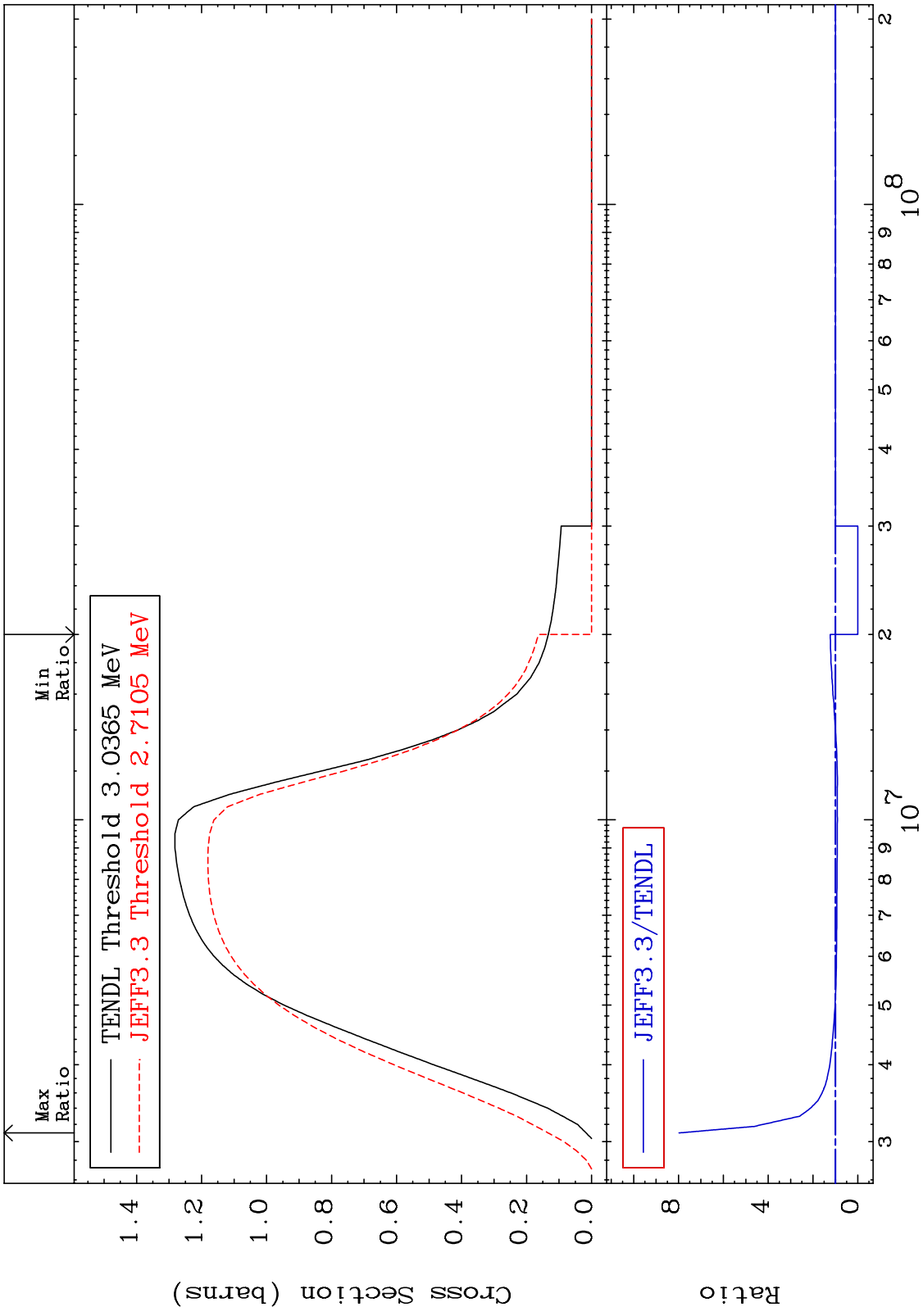


MAT 2931 MT= 69 (n,n') Level Cross Section -100.0 To 508.5 % 29-Cu-65



MAT 2931 MT= 70 (n,n') Level 29-Cu-65
 Cross Section -100.0 To 37.90 %





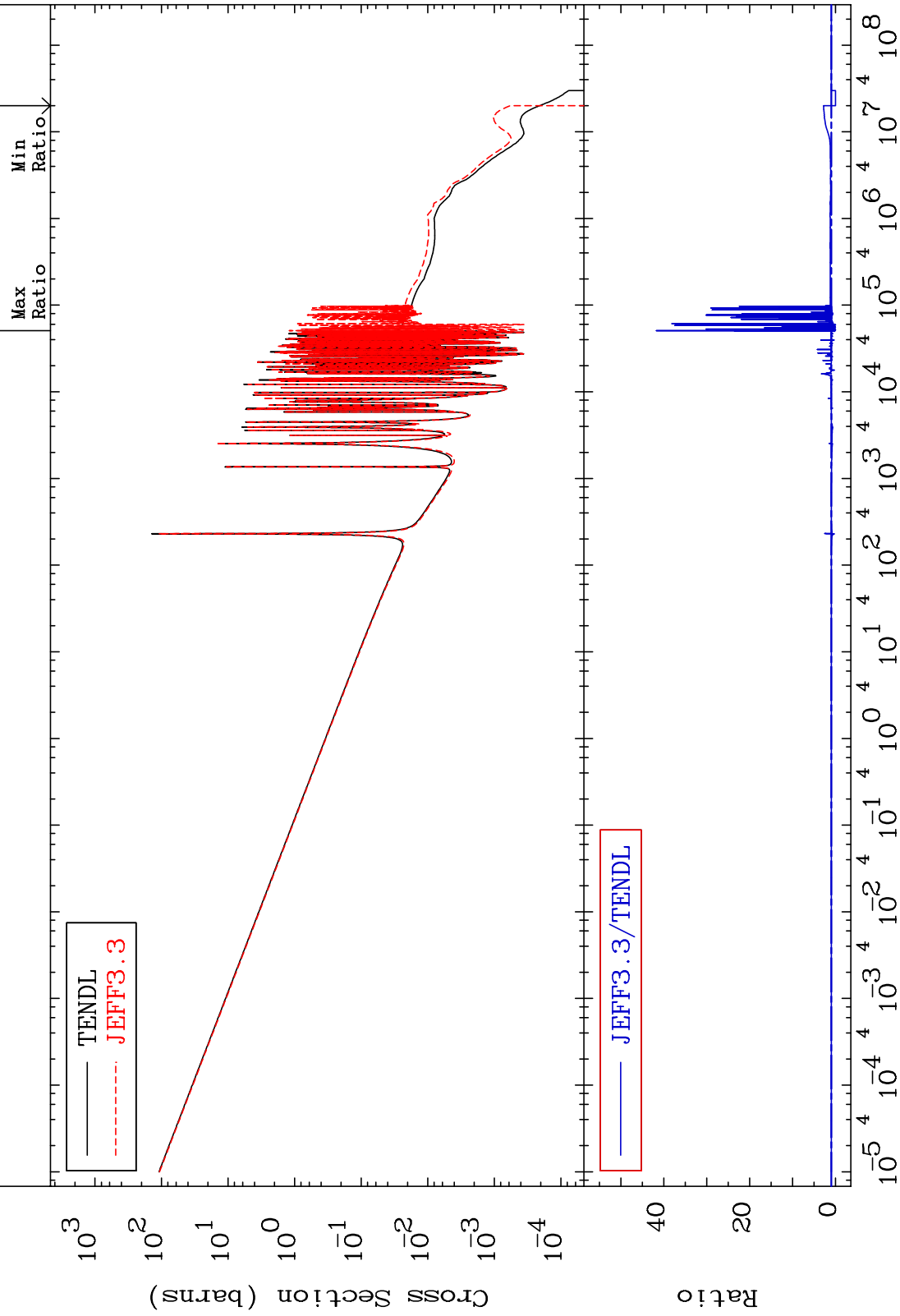
MAT 2931

(n, γ)

29-Cu-65

Cross Section

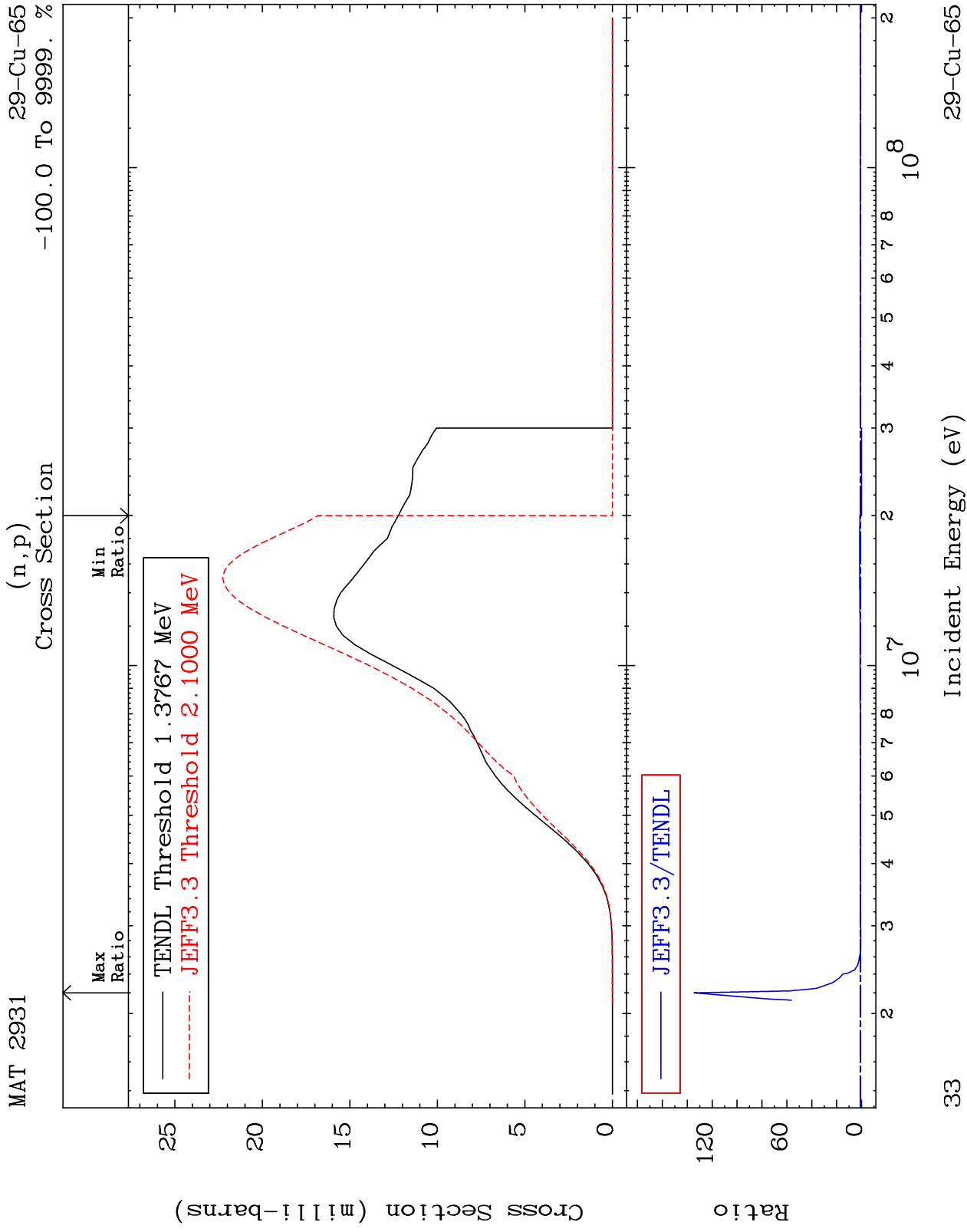
-100.0 To 4071. %



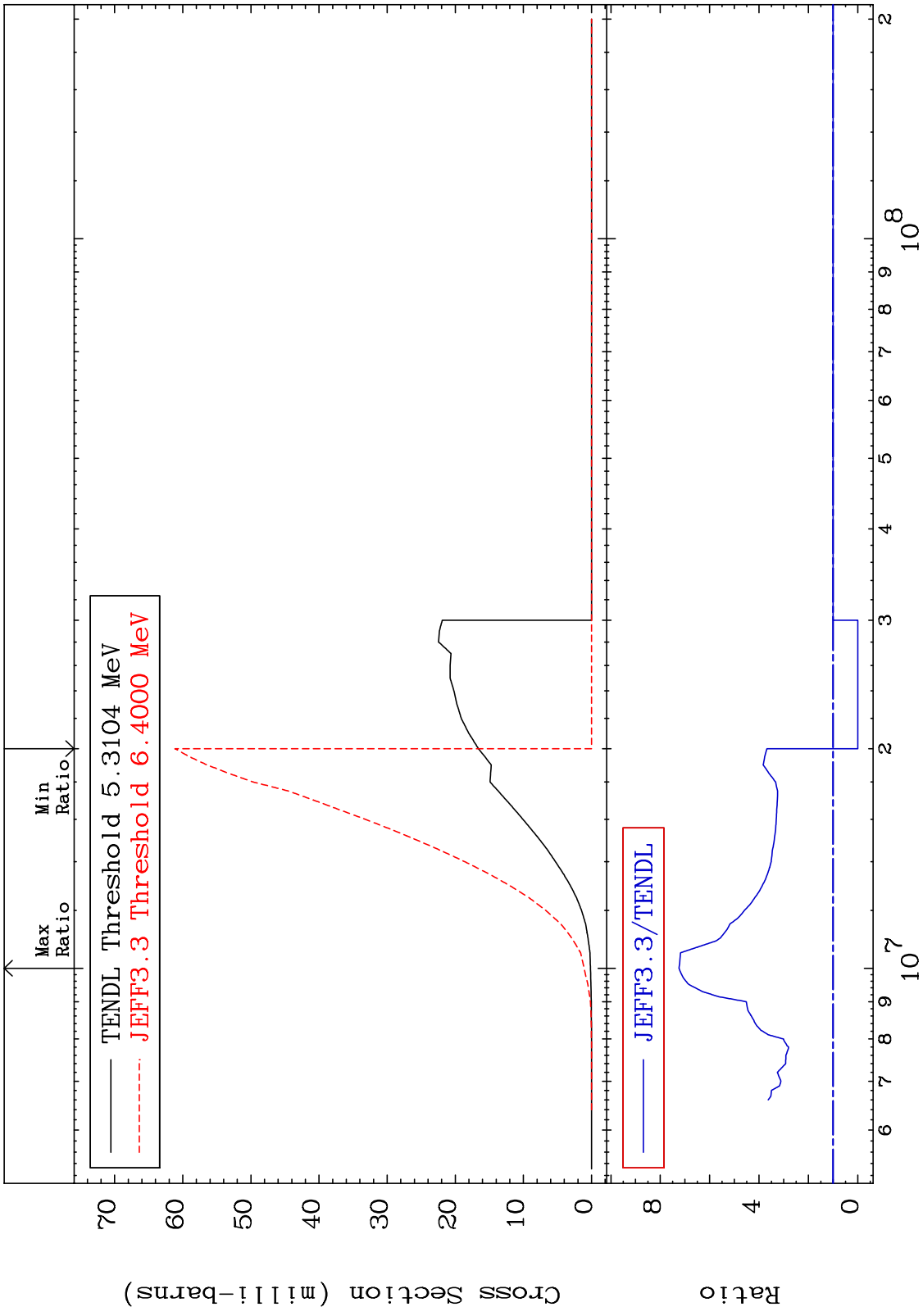
32

Incident Energy (eV)

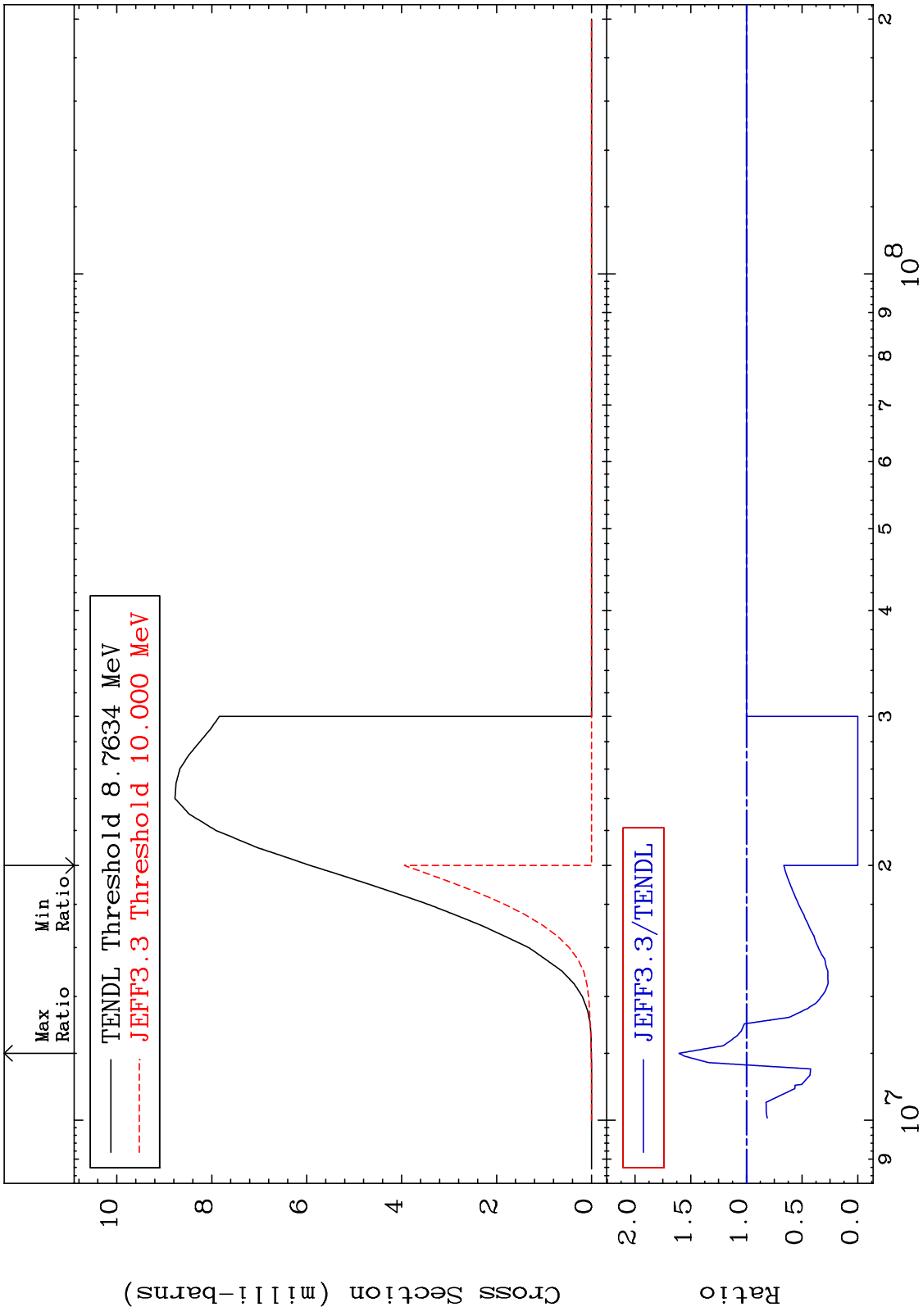
29-Cu-65



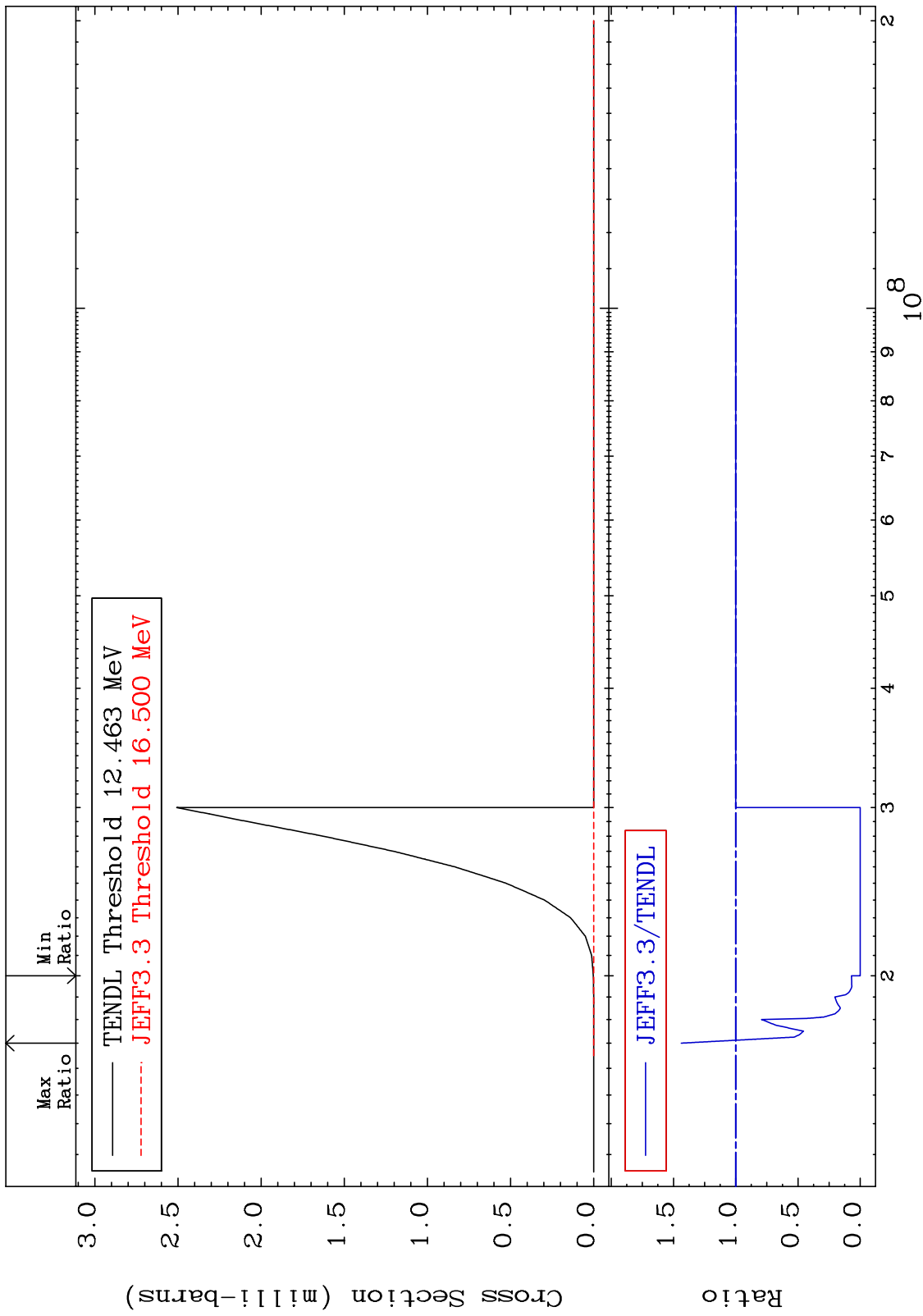
MAT 2931 (n,d) 29-Cu-65
 Cross Section -100.0 To 624.0 %



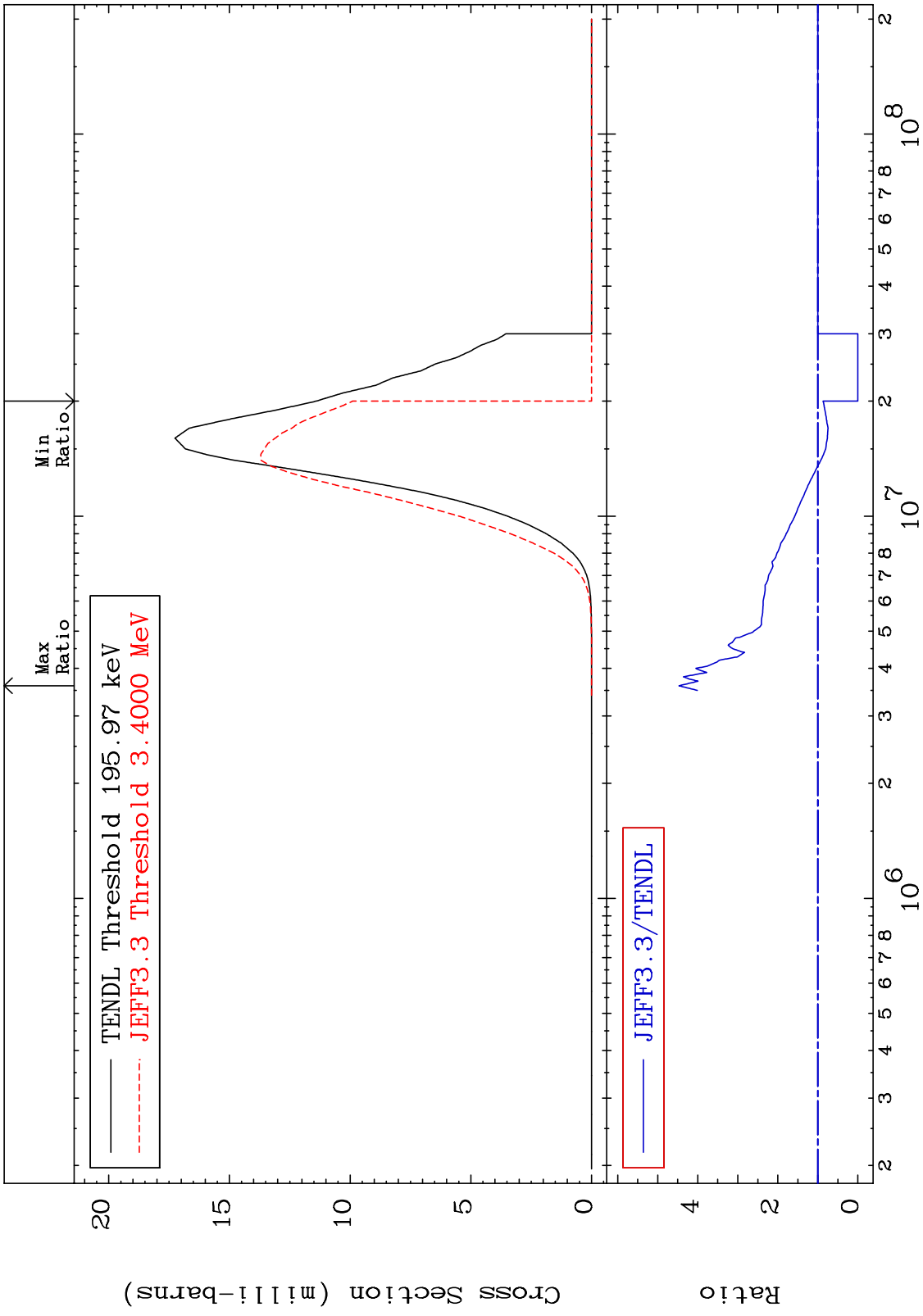
MAT 2931 (n,t) 29-Cu-65
 Cross Section -100.0 To 60.50 %



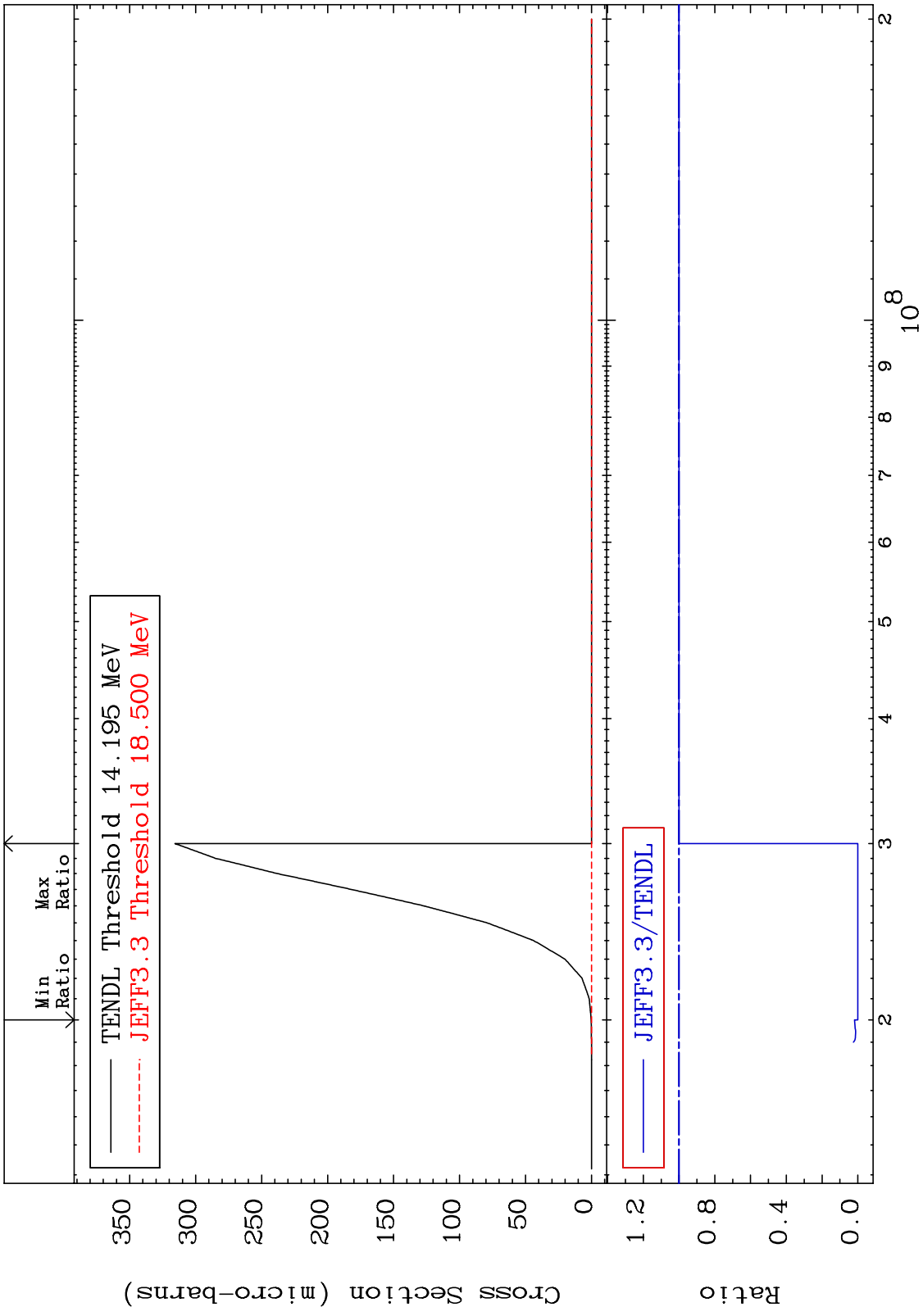
35 29-Cu-65



MAT 2931 29-Cu-65
 (n, α) -100.0 To 346.8 %
 Cross Section



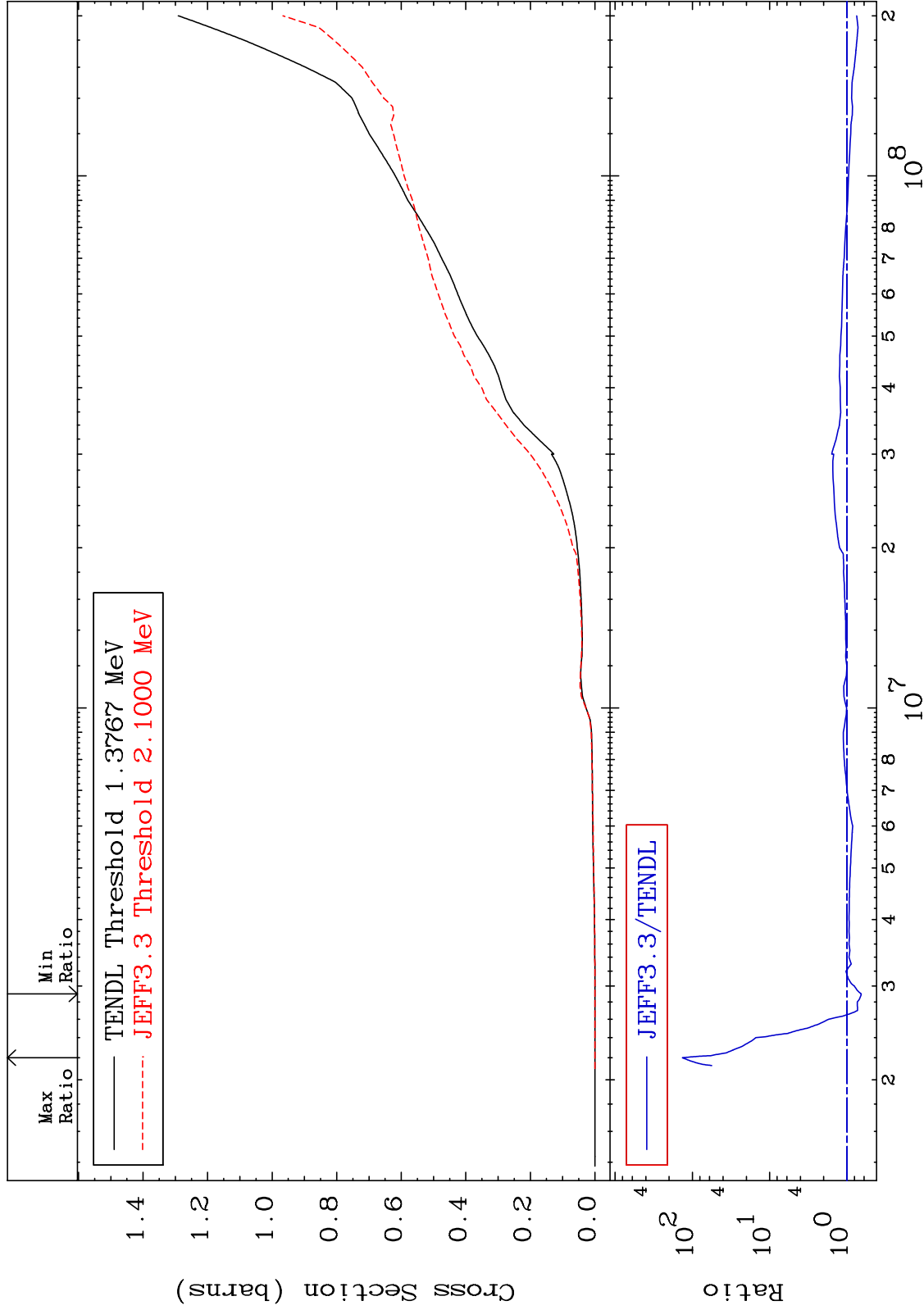
37 29-Cu-65
 Incident Energy (eV)



MAT 2931

Hydrogen Production
Cross Section

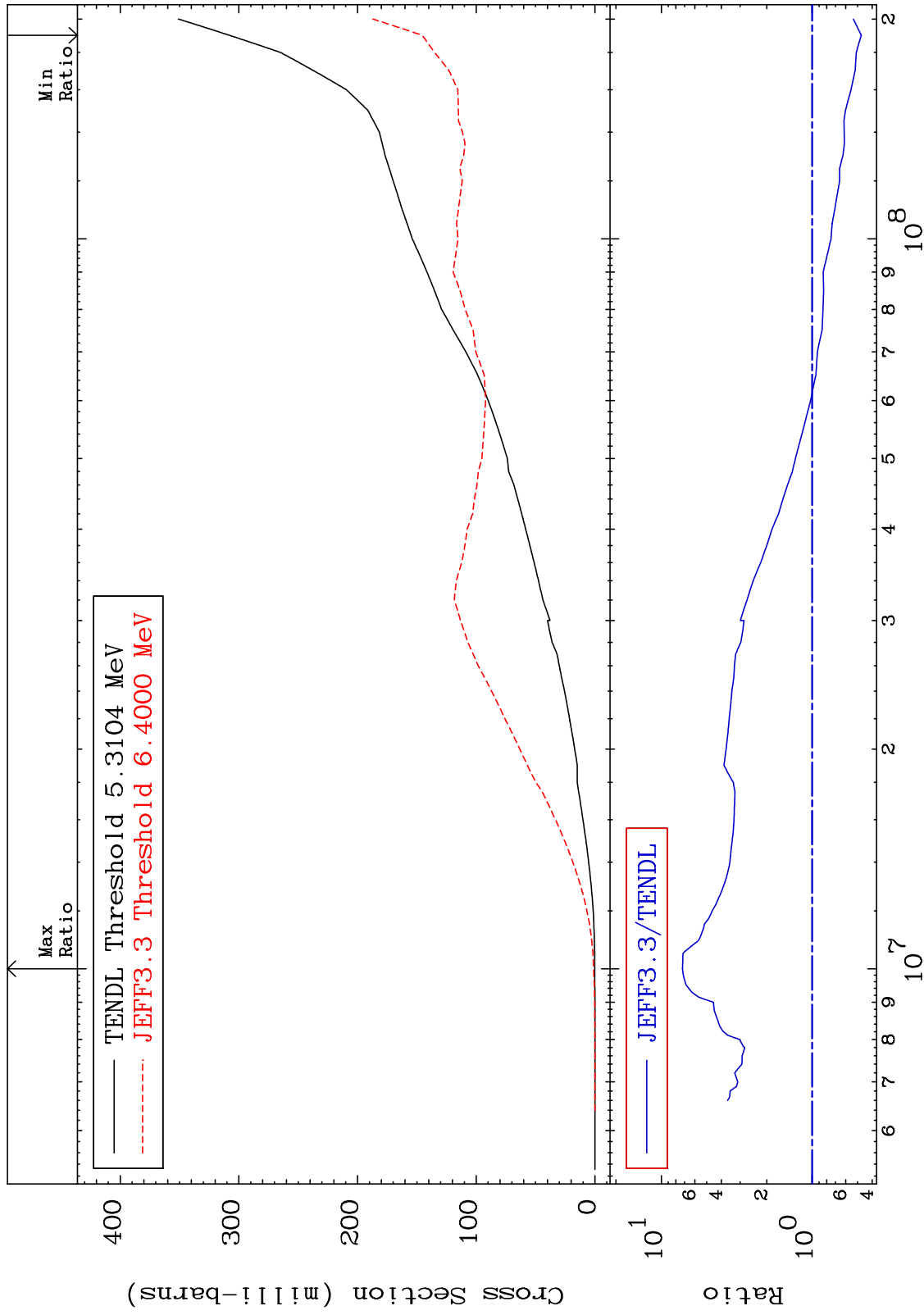
29-Cu-65
-34.78 To 9999. %



MAT 2931

Deuterium Production
Cross Section

²⁹Cu-65
-52.76 To 624.0 %

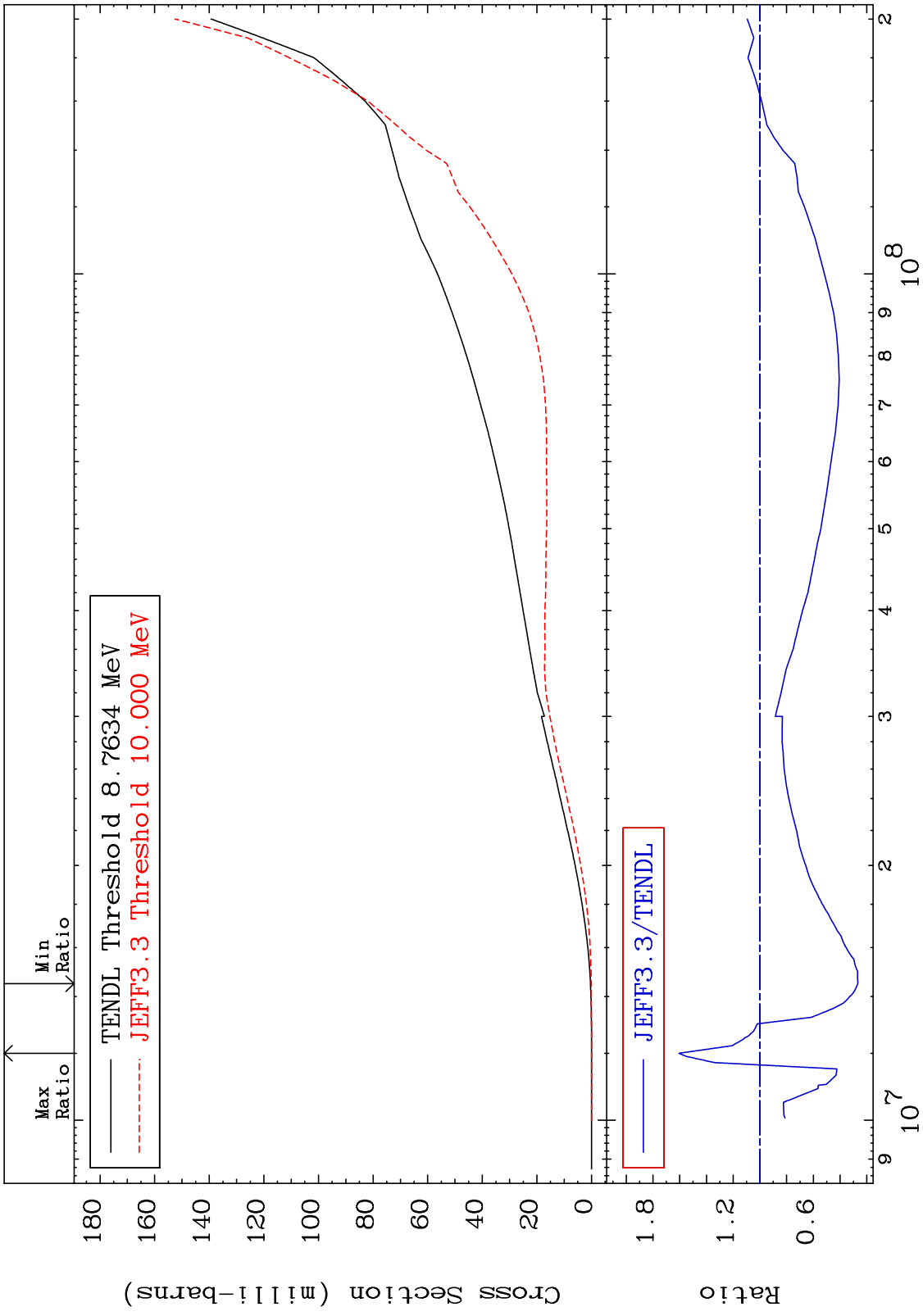


40

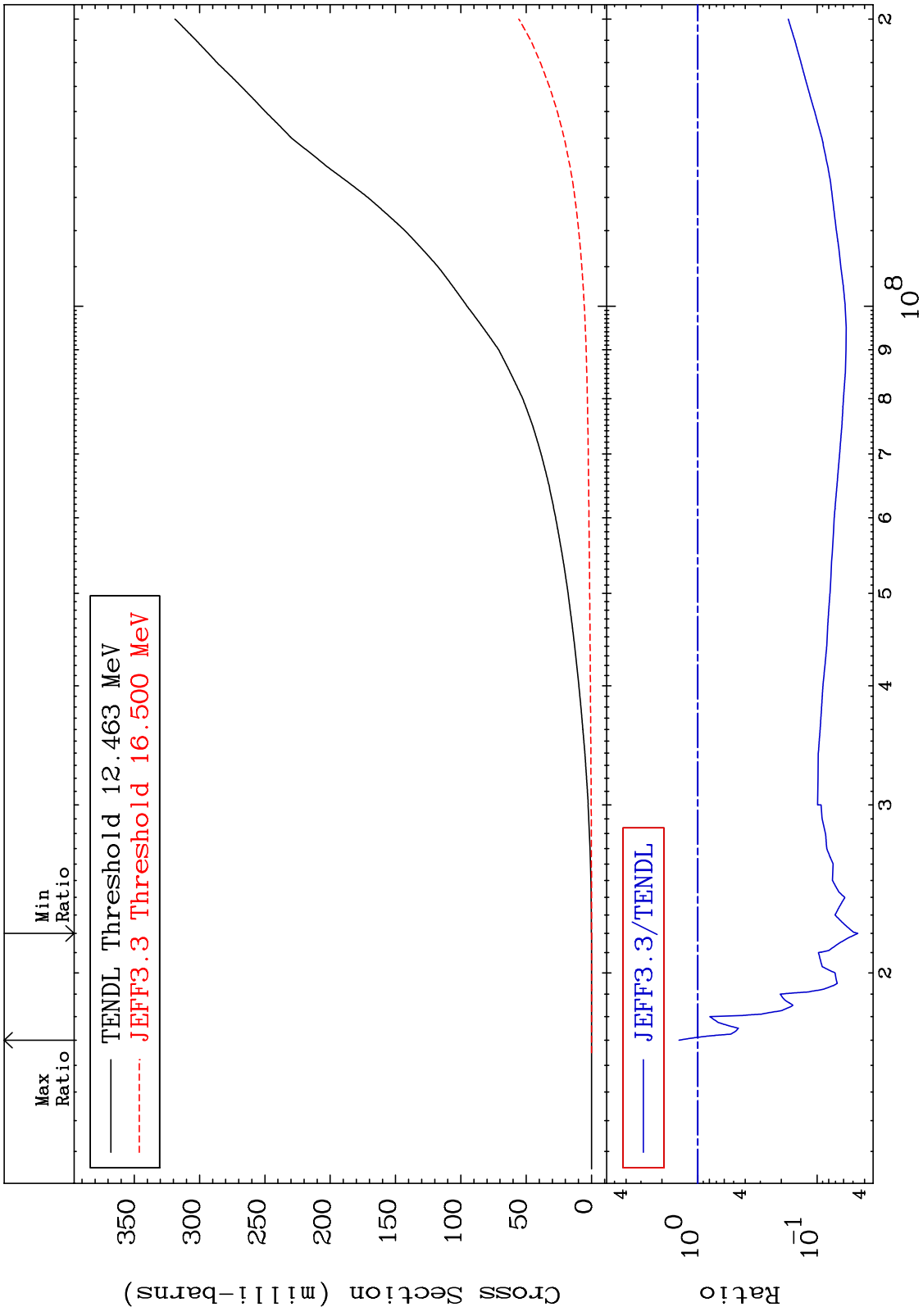
Incident Energy (eV)

²⁹Cu-65

MAT 2931 Tritium Production Cross Section $^{29}\text{Cu-65}$
 -73.27 To 60.50 %



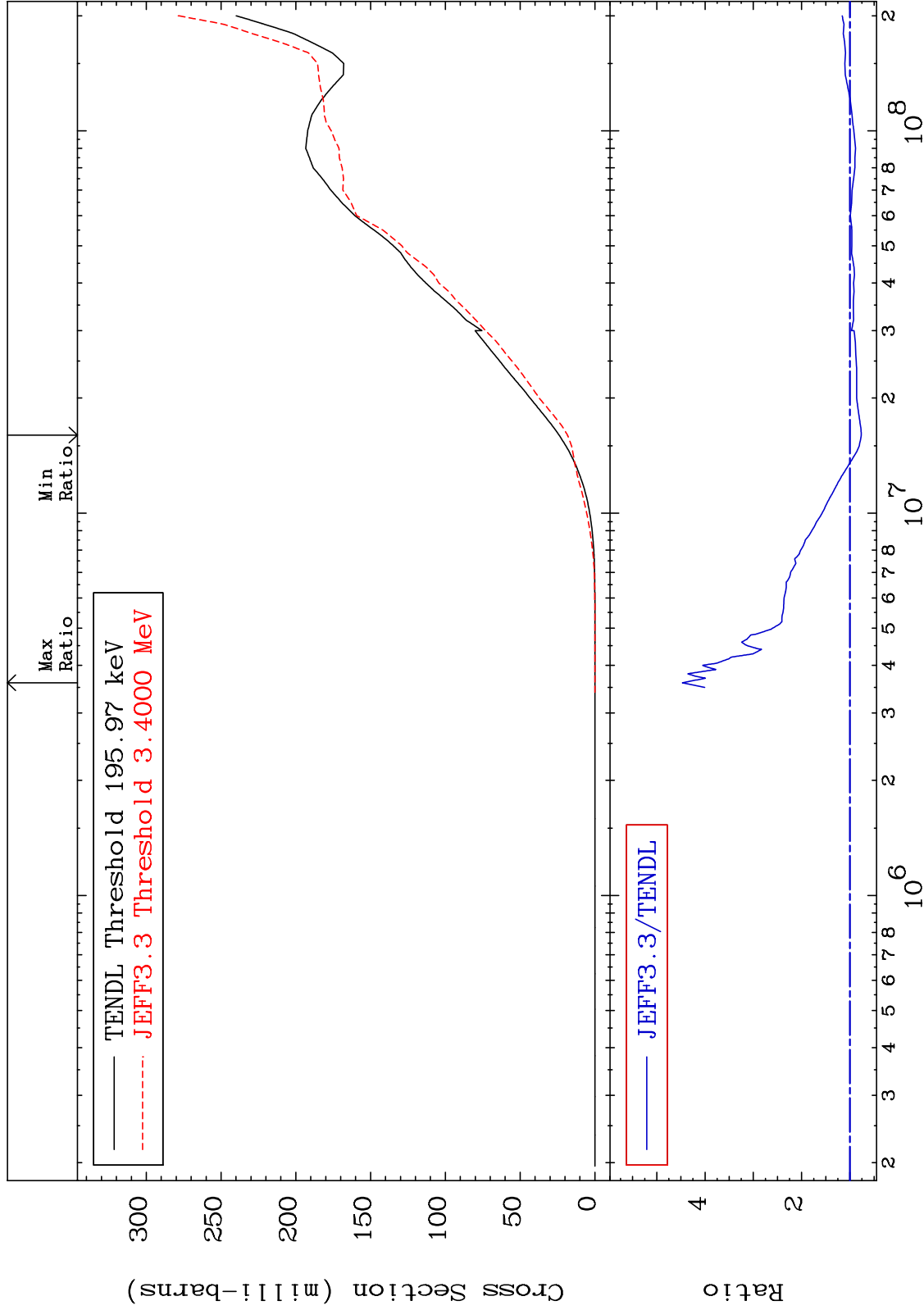
MAT 2931 He-3 Production Cross Section -95.45 To 43.71 % 29-Cu-65



MAT 2931

He-4 Production
Cross Section

²⁹Cu-65
-23.56 To 346.8 %



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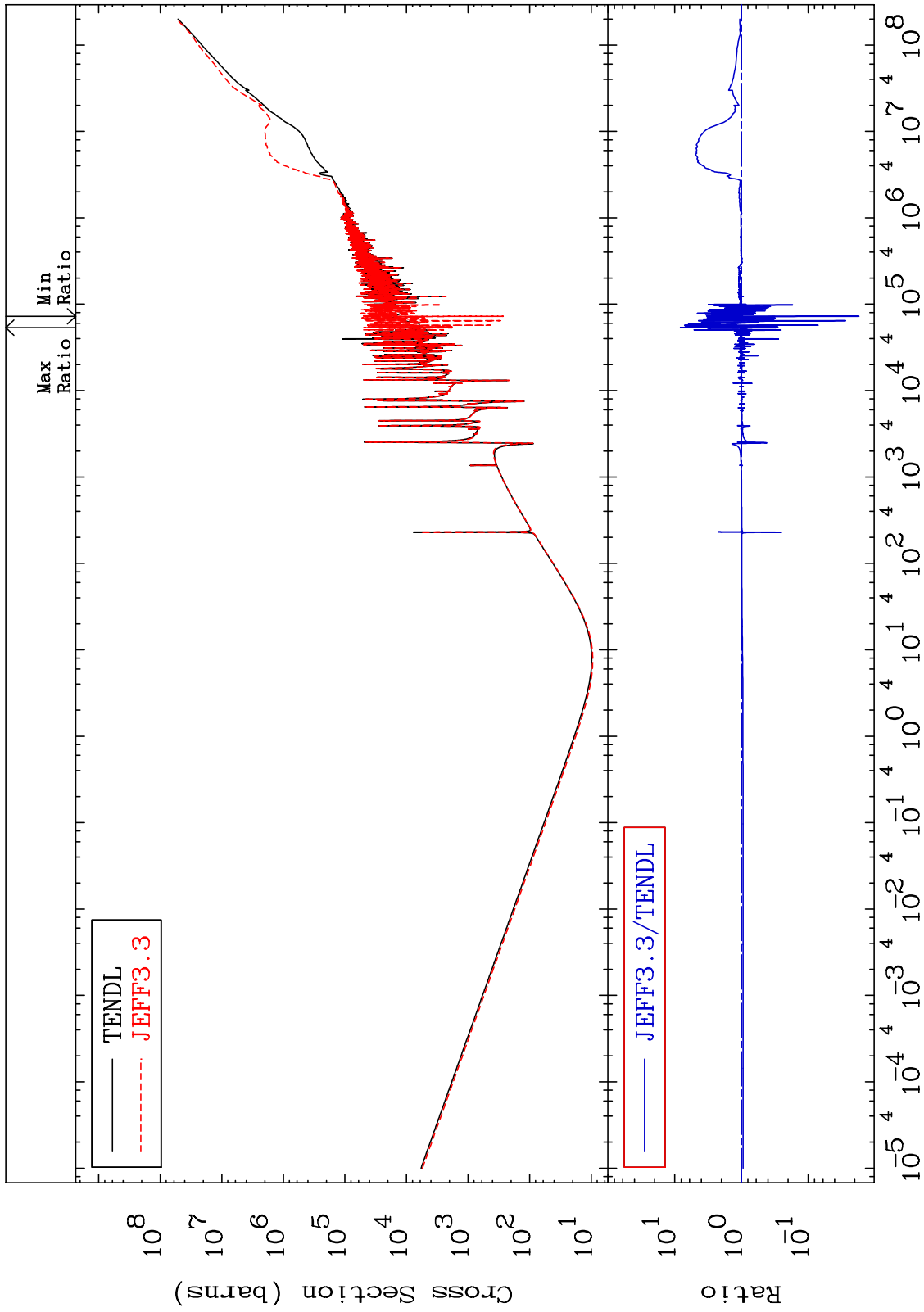
Incident Energy (eV)

²⁹Cu-65

MAT 2931

Kerma total (eV-barns)
Cross Section

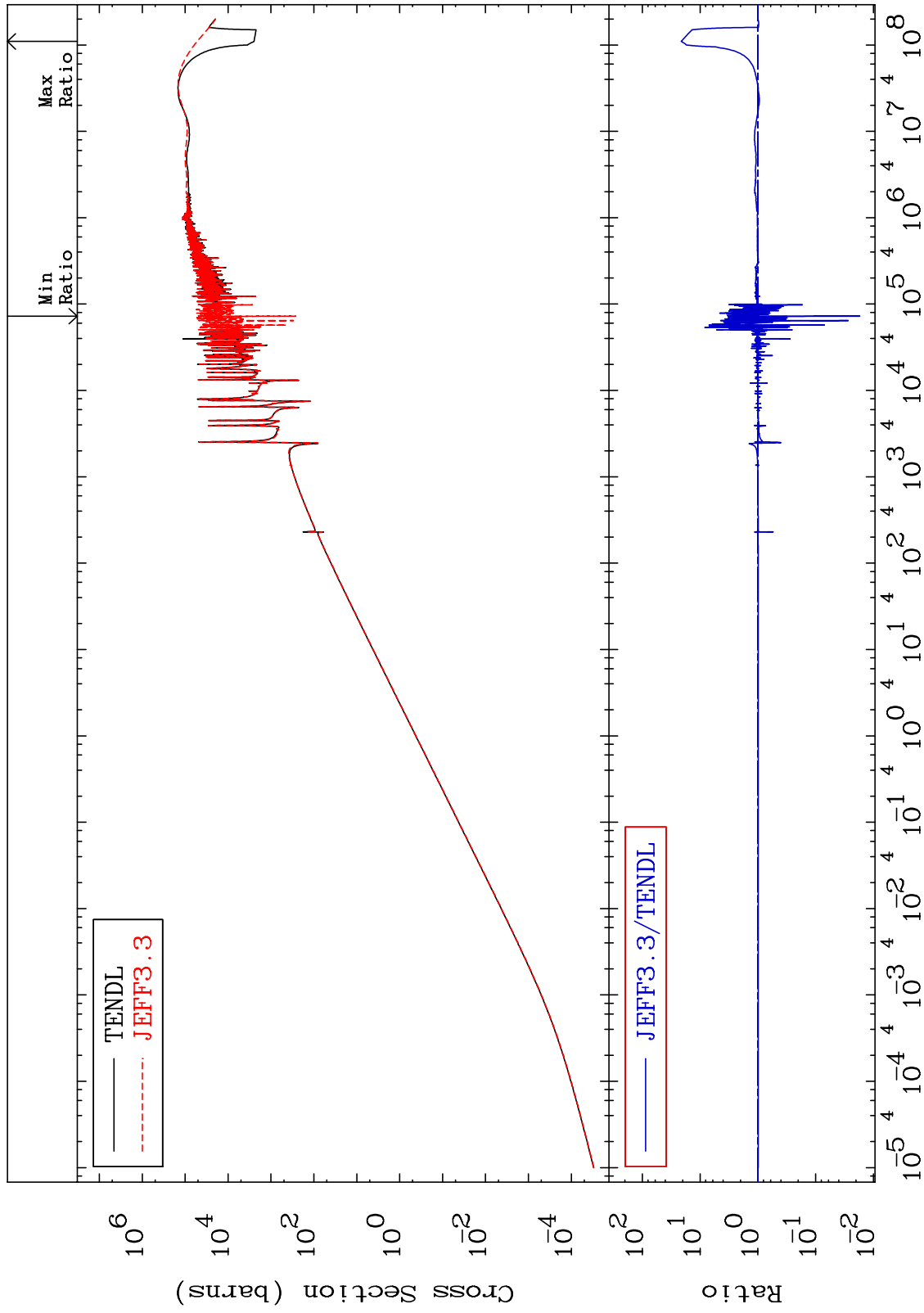
29-Cu-65
-98.27 To 726.7 %



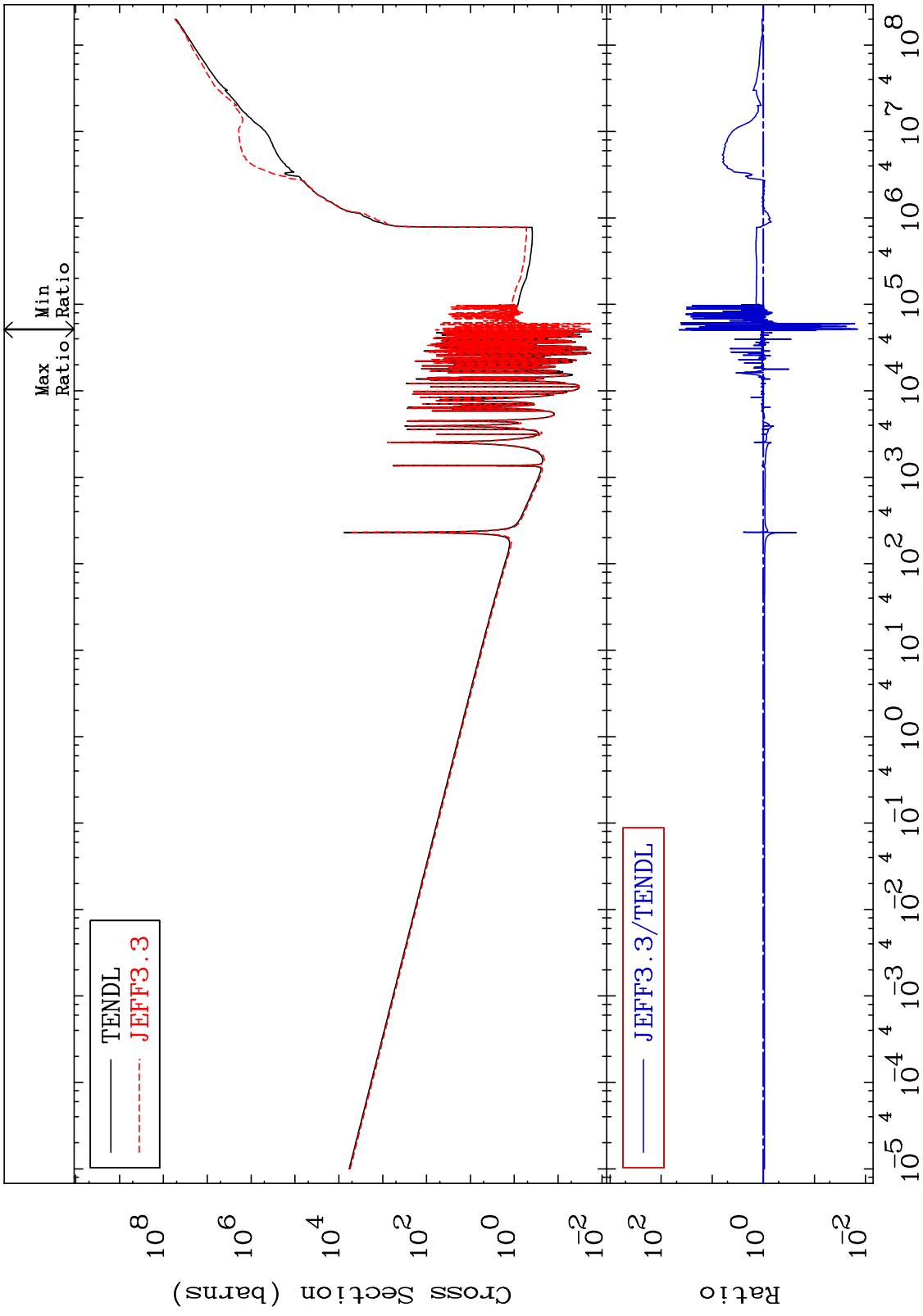
MAT 2931

Kerma elastic
Cross Section

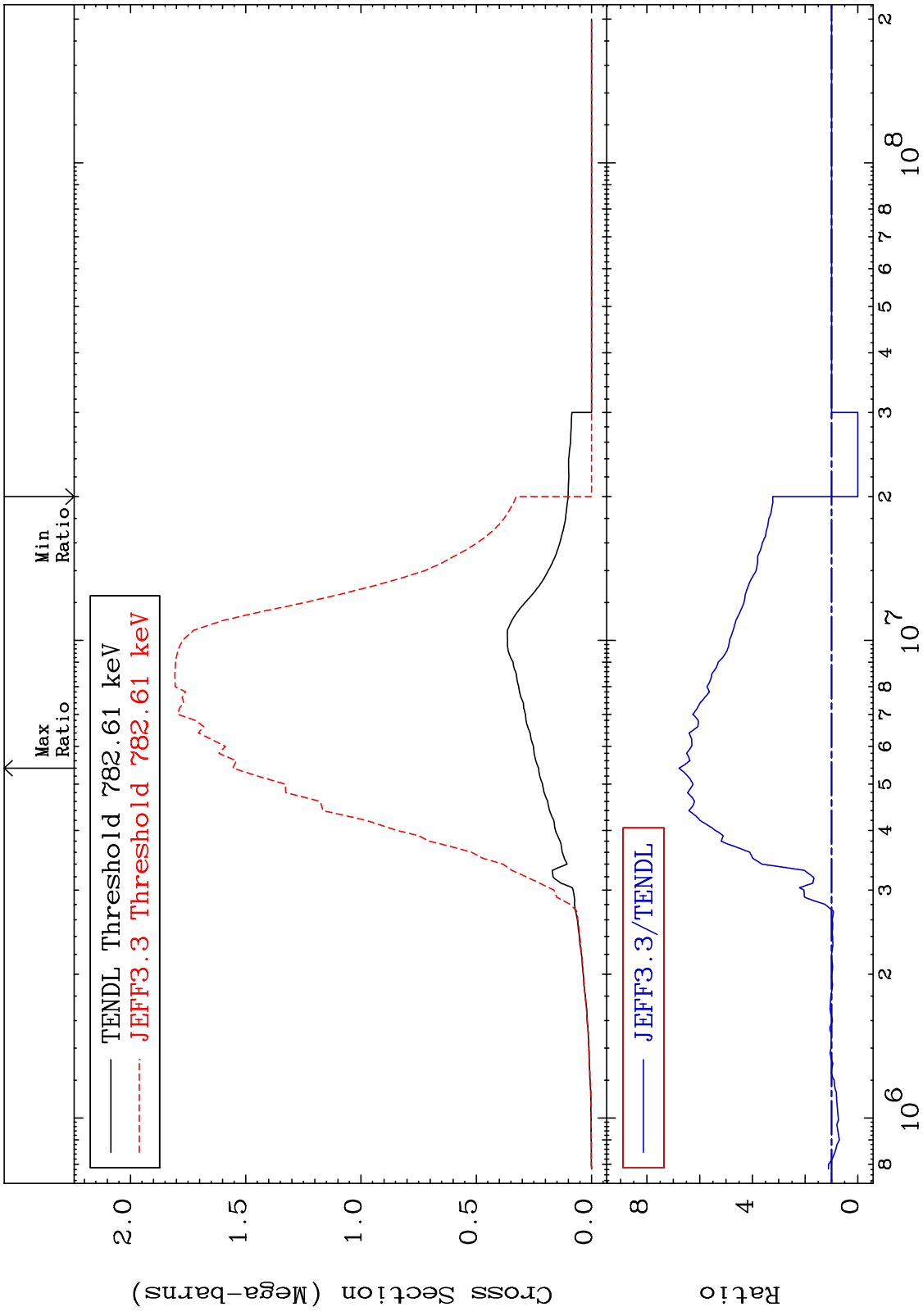
29-Cu-65
-98.27 To 2020. %



MAT 2931 Kerma non-elastic (all but mt2) Cross Section 29-Cu-65
 -98.59 To 4363. %



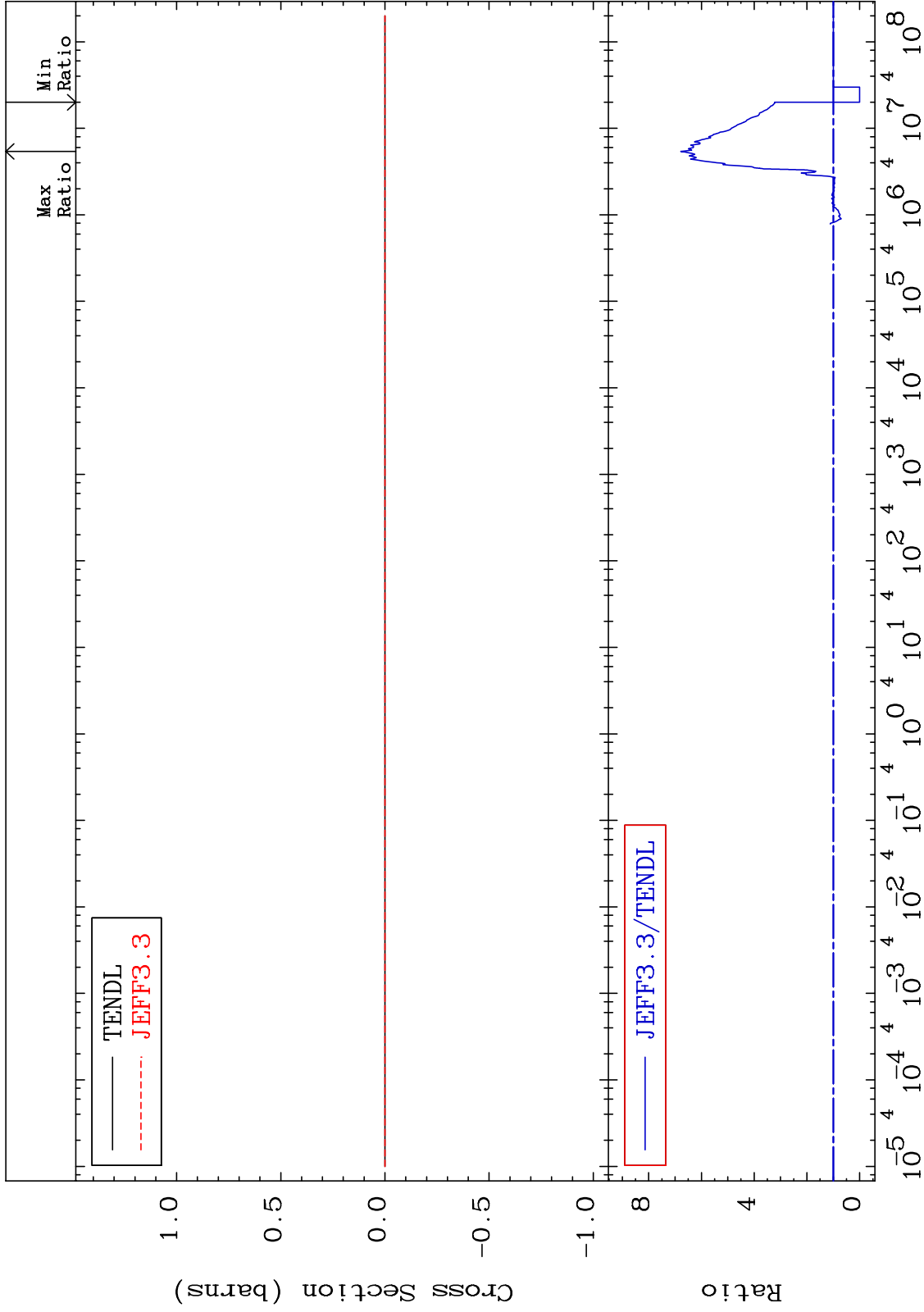
MAT 2931 Kerma inelastic (mt51-91) 29-Cu-65
 -100.0 To 578.1 %



MAT 2931

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

29-Cu-65
-100.0 To 578.1 %

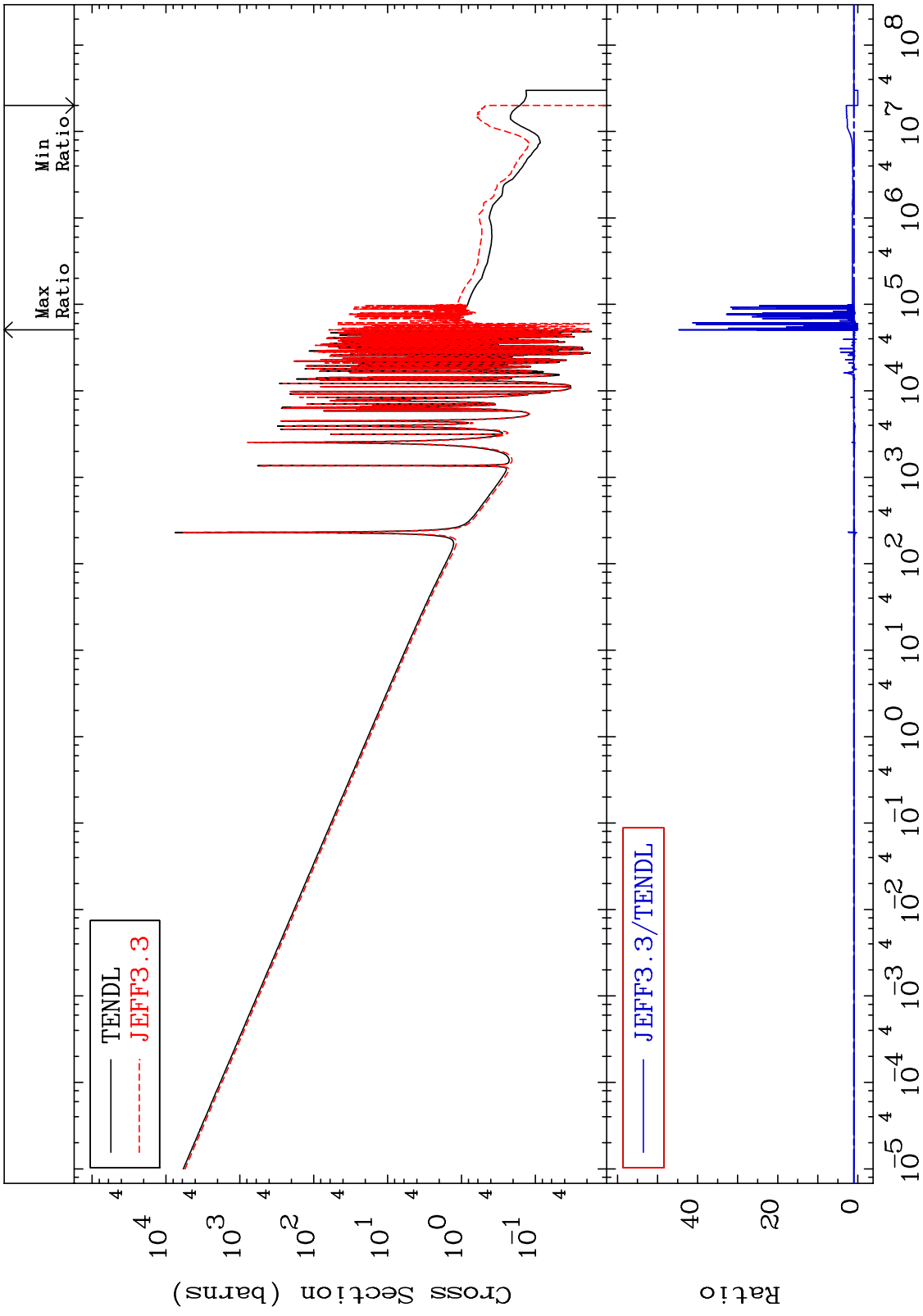


48

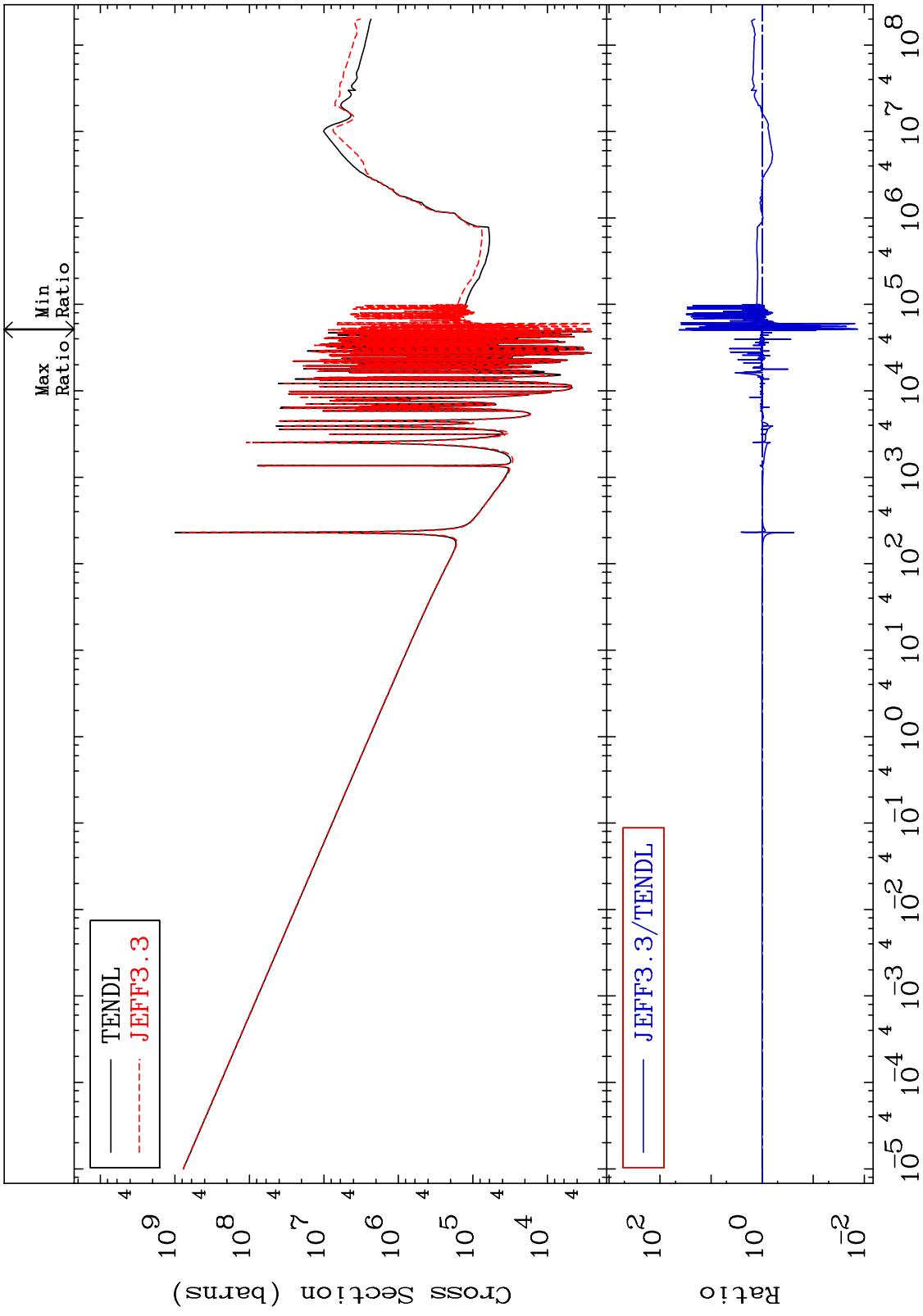
Incident Energy (eV)

29-Cu-65

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



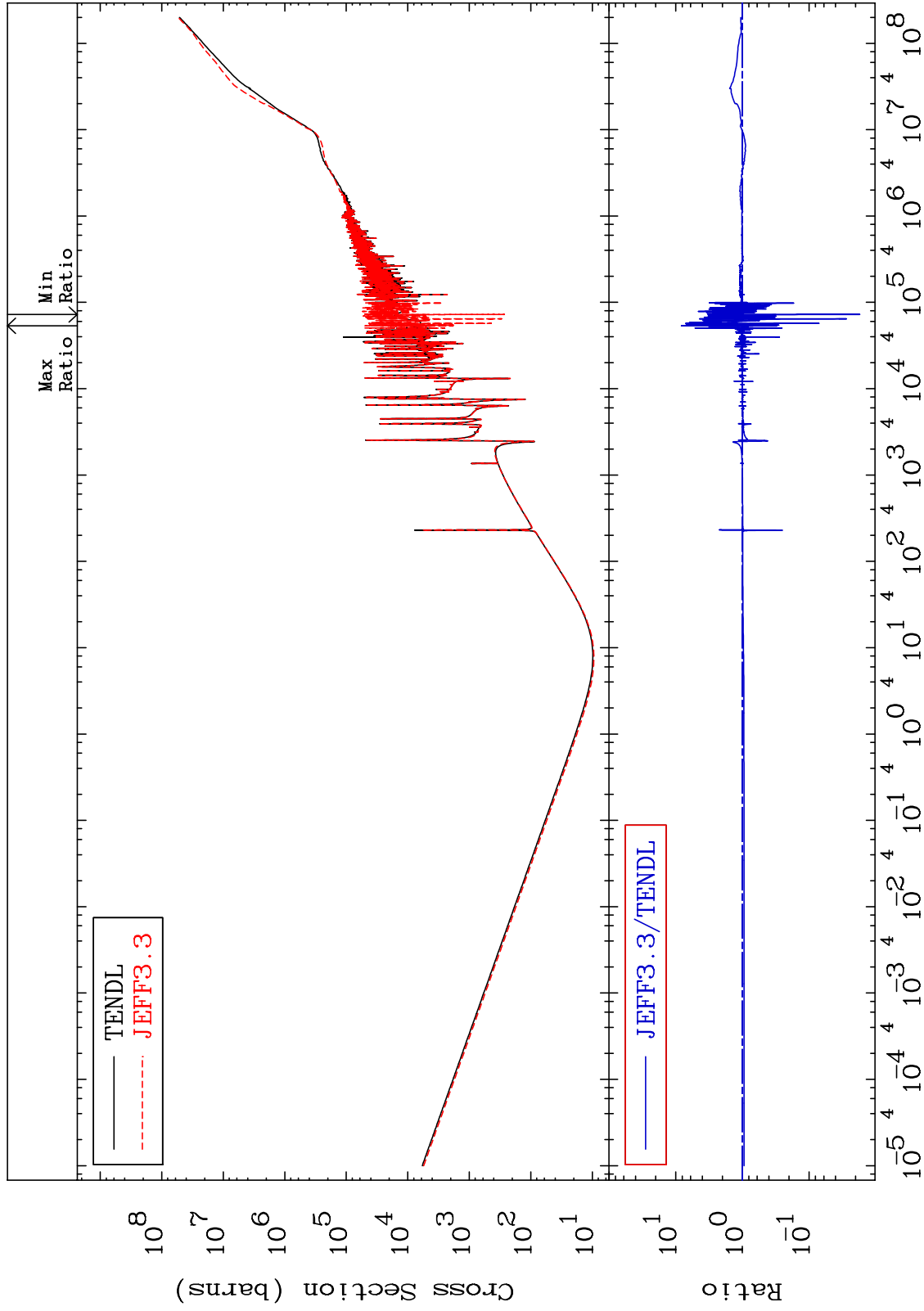
MAT 2931 Total photon (eV-barns) Cross Section 29-Cu-65 -98.66 To 4150. %



MAT 2931

Total kinematic kerma (high limit)
Cross Section

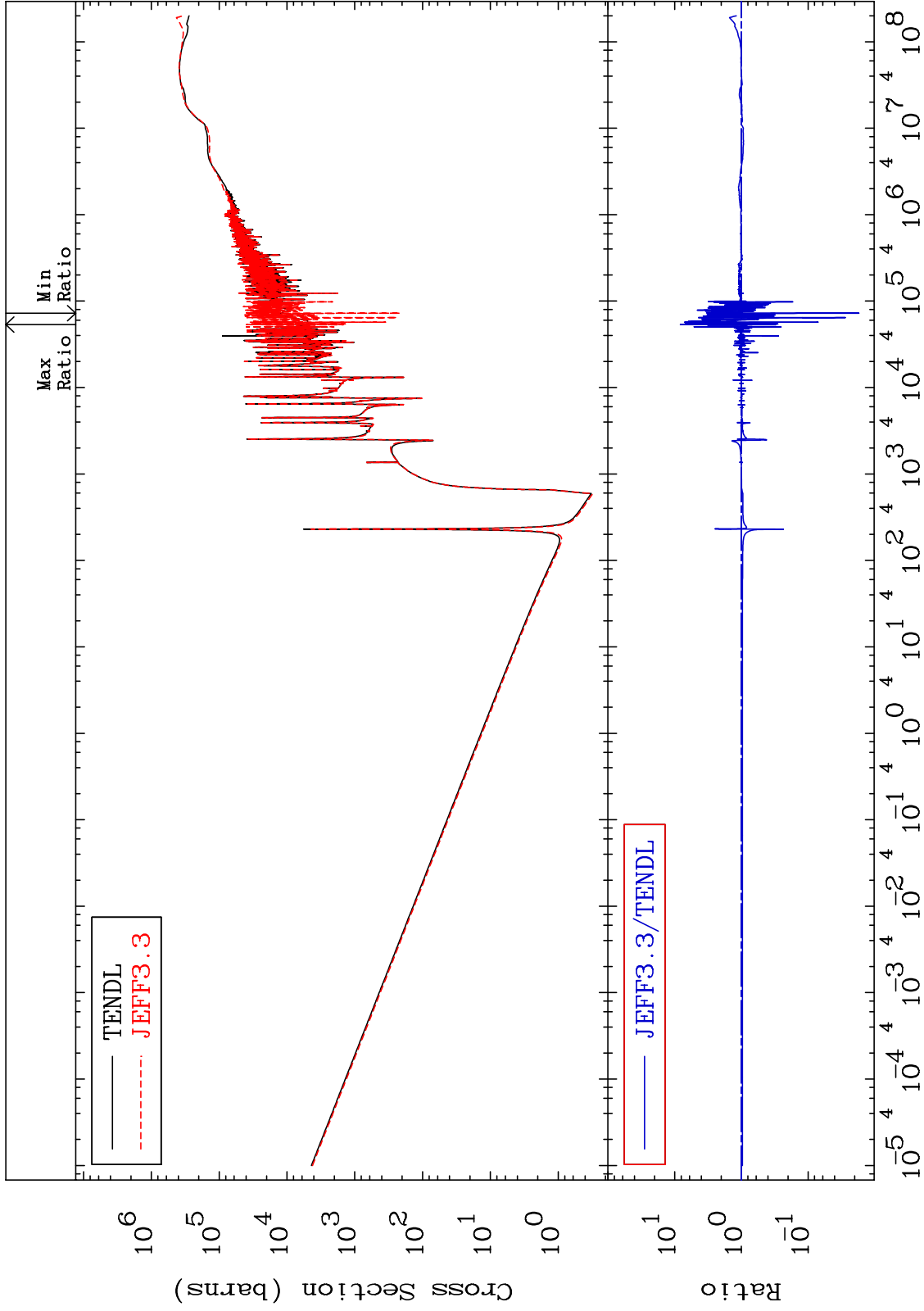
29-Cu-65
-98.27 To 726.7 %



MAT 2931

Dpa total (eV-barns)
Cross Section

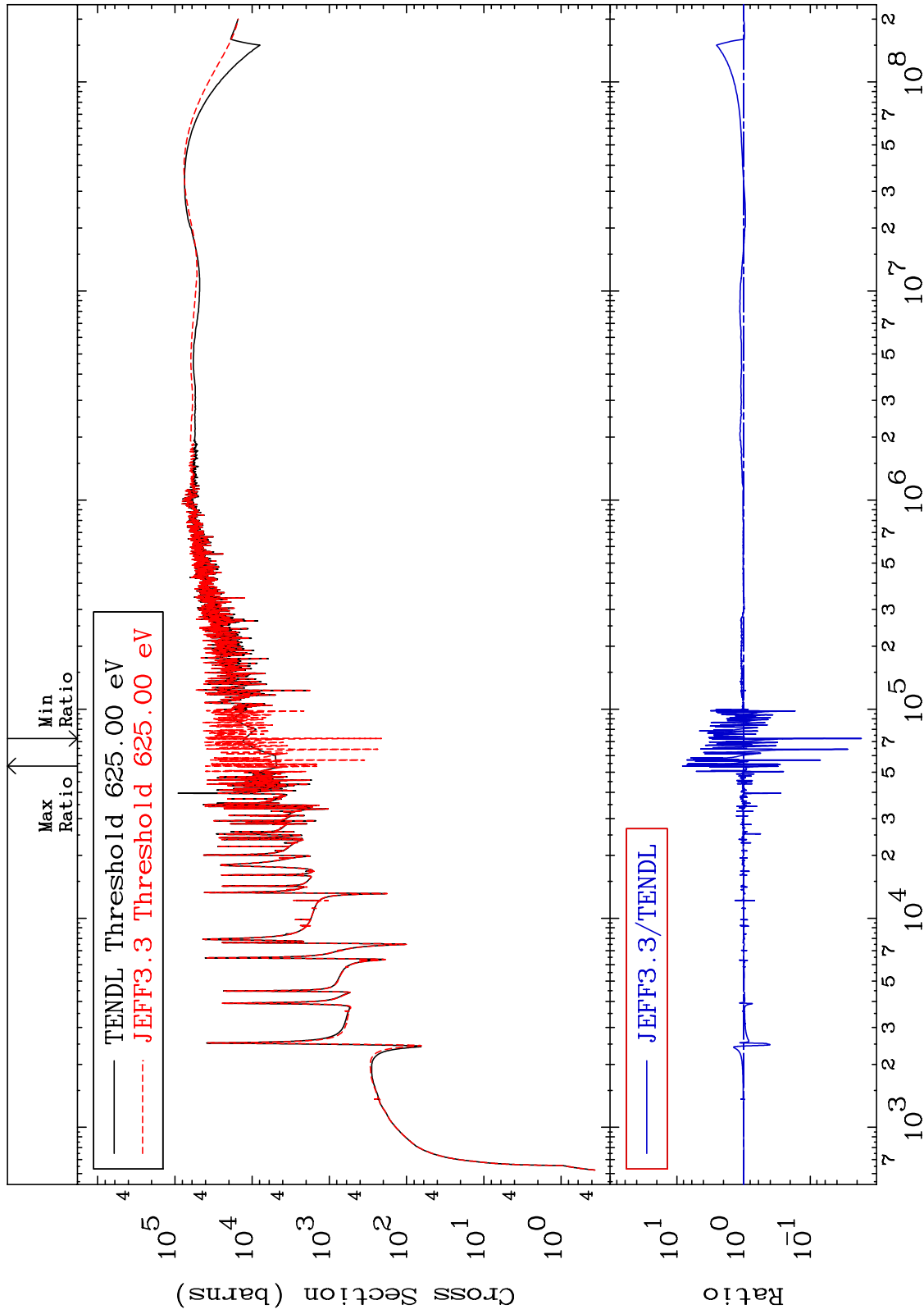
29-Cu-65
-98.27 To 726.4 %

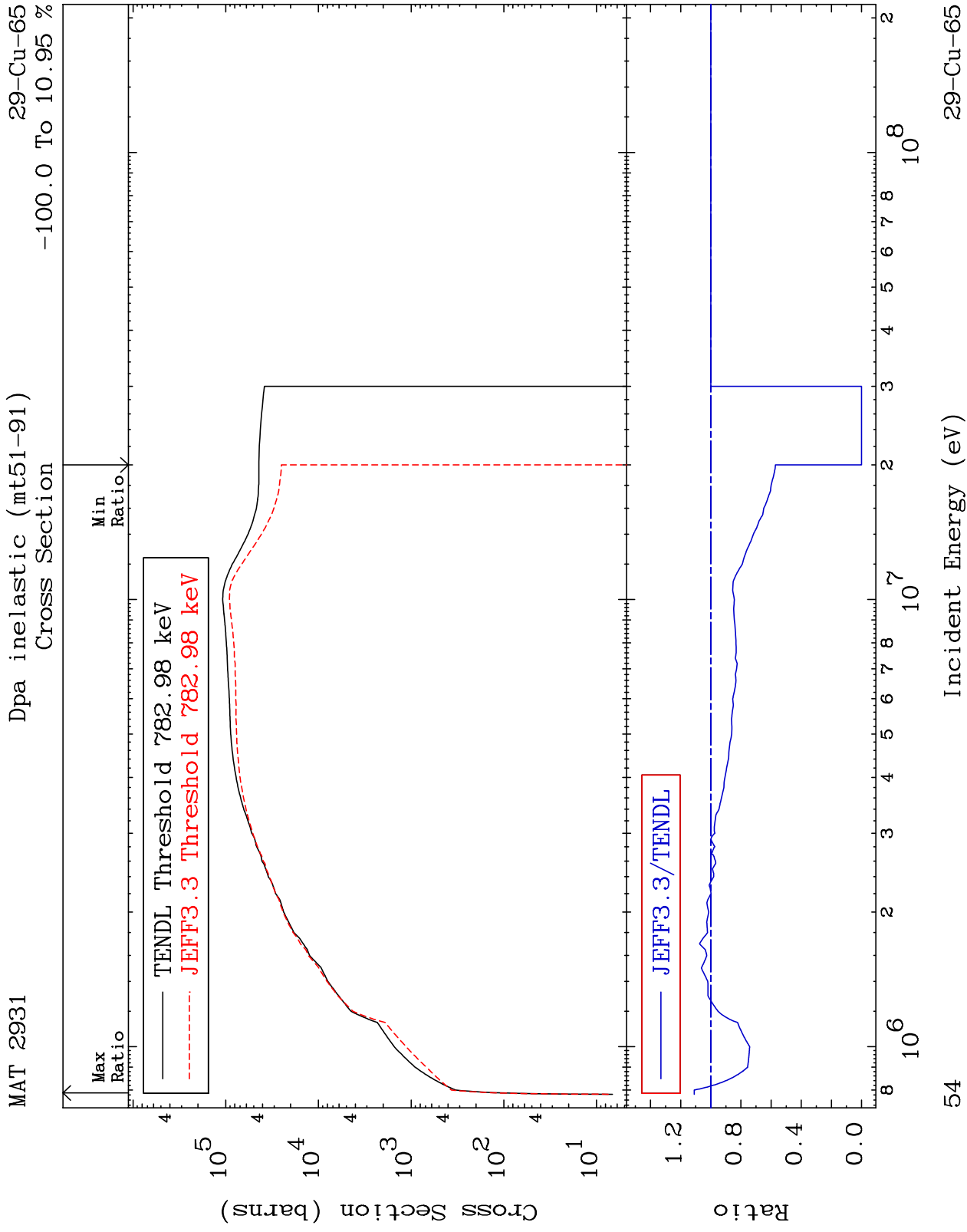


MAT 2931

Dpa elastic (mt2)
Cross Section

29-Cu-65
-98.28 To 726.4 %

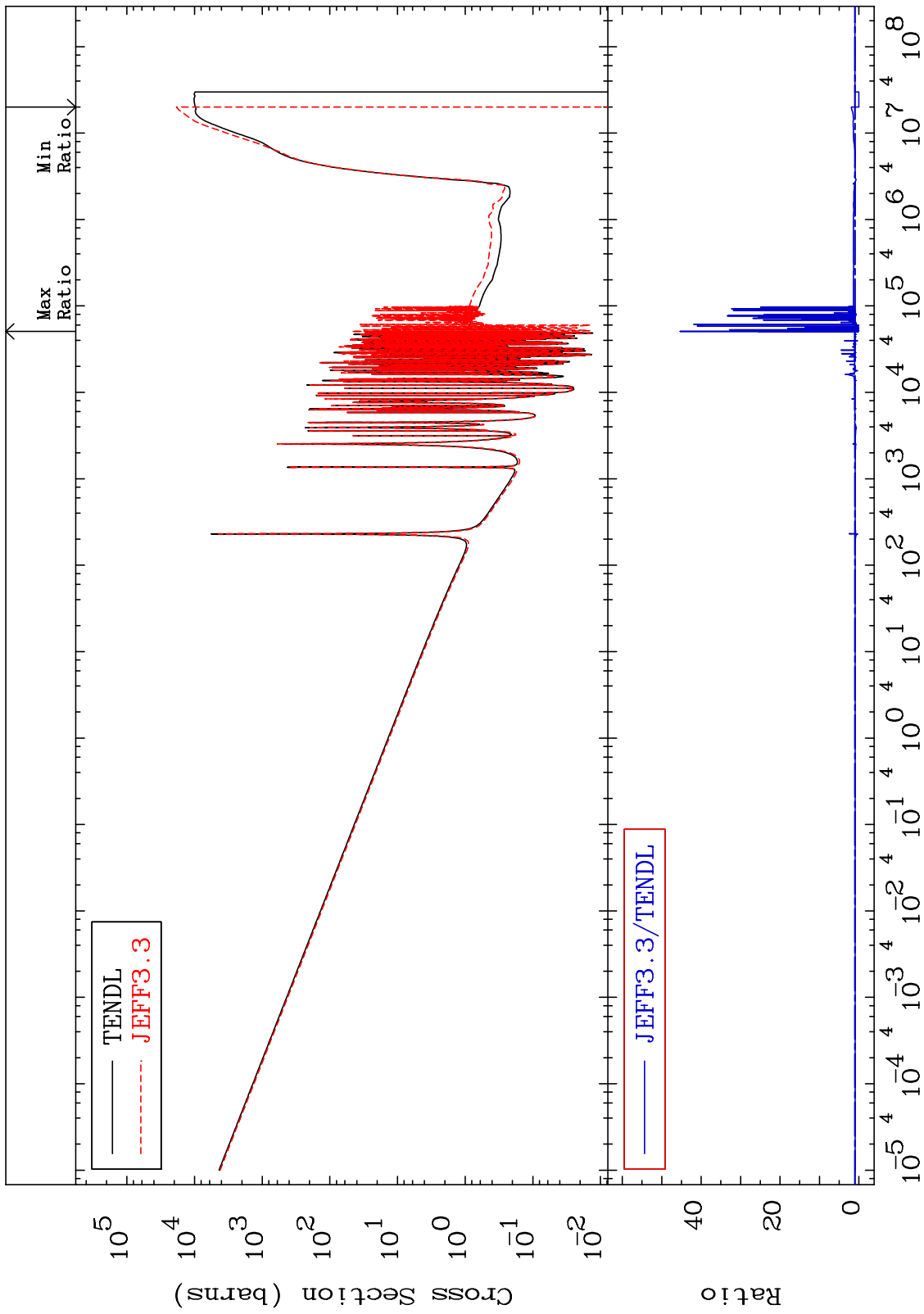




MAT 2931

Dpa disappearance (mt102 -120)
Cross Section

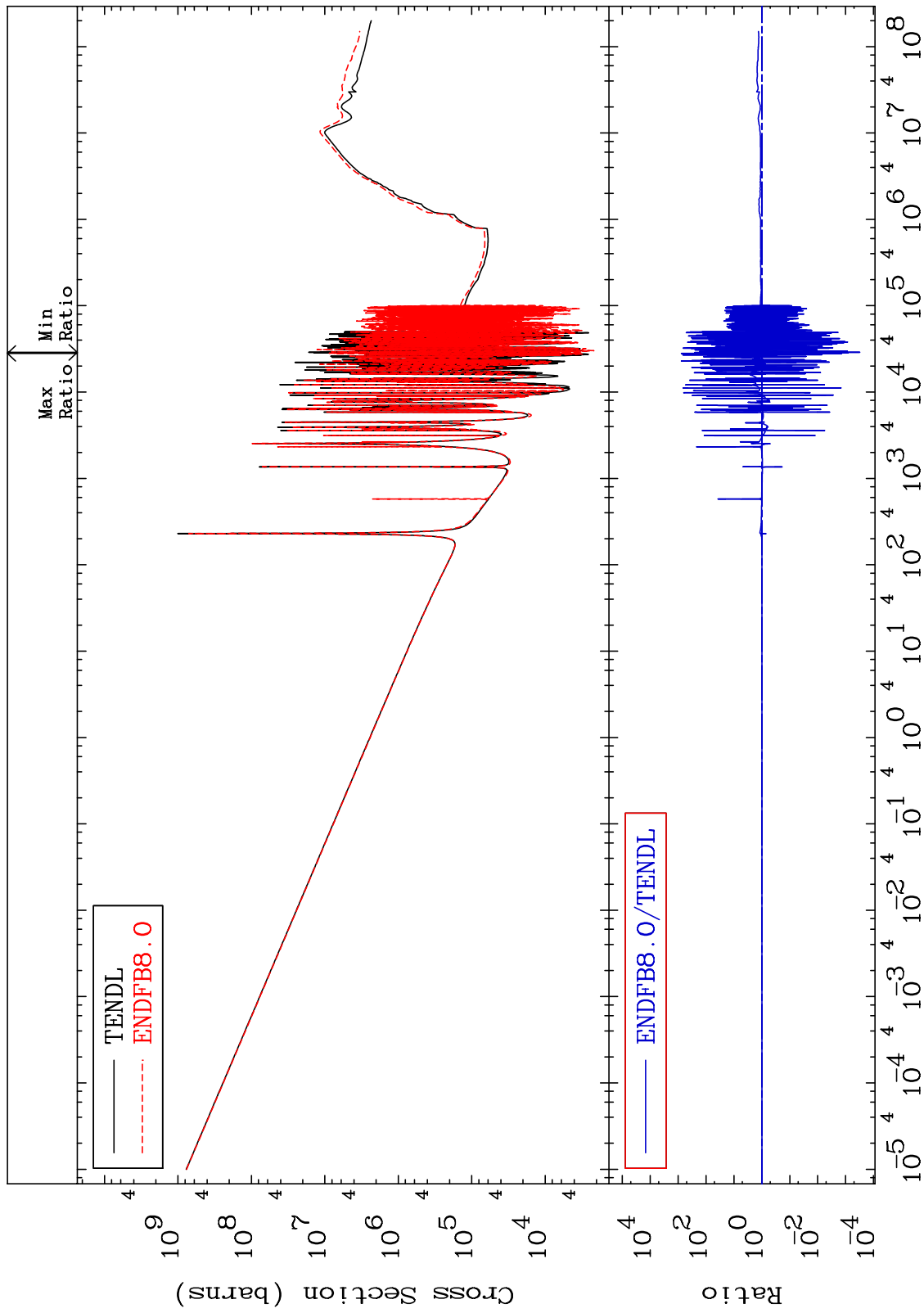
29-Cu-65
-100.0 To 4430. %



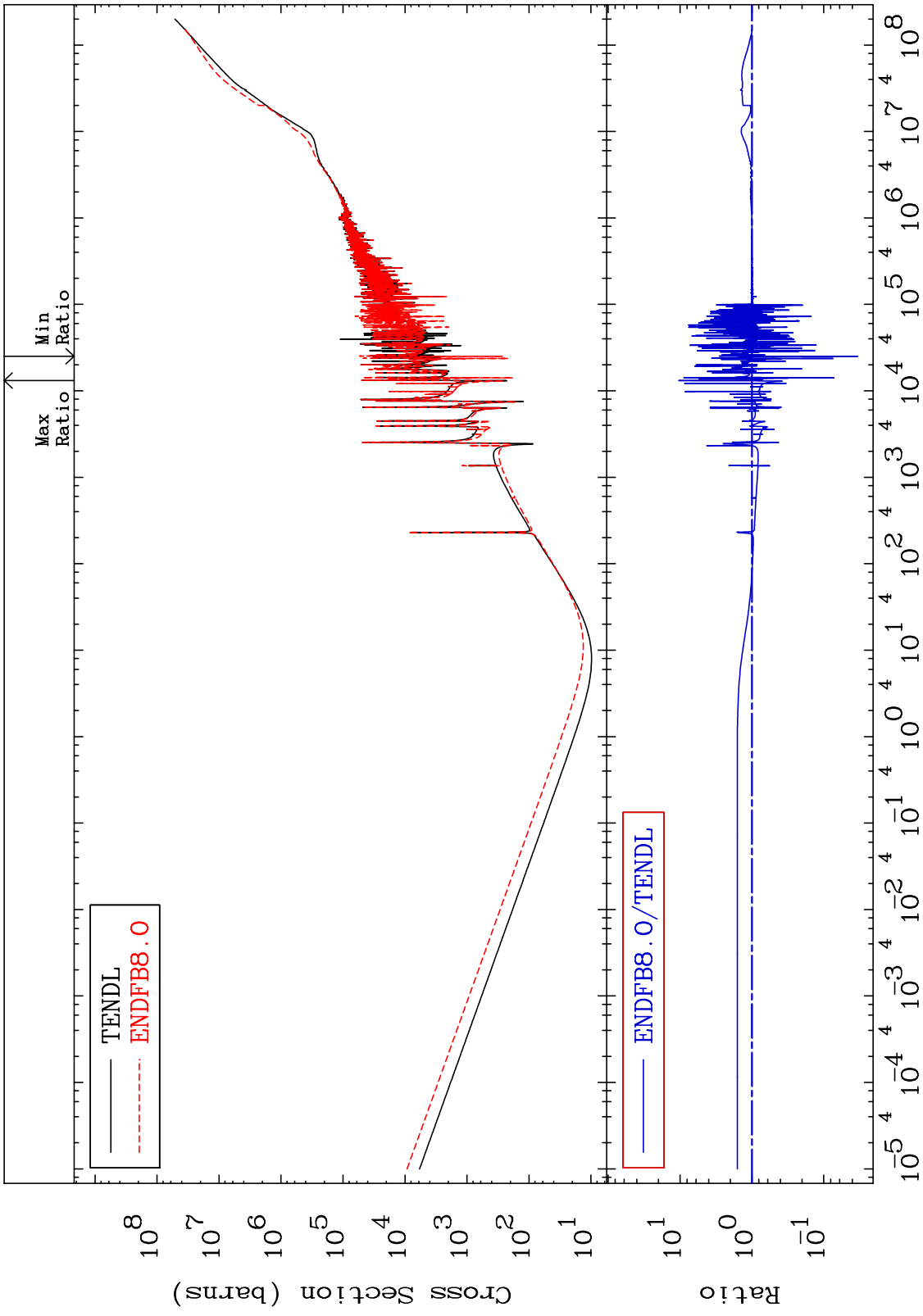
MAT 2931

Total photon (eV-barns)
Cross Section

29-Cu-65
-99.97 To 9999. %



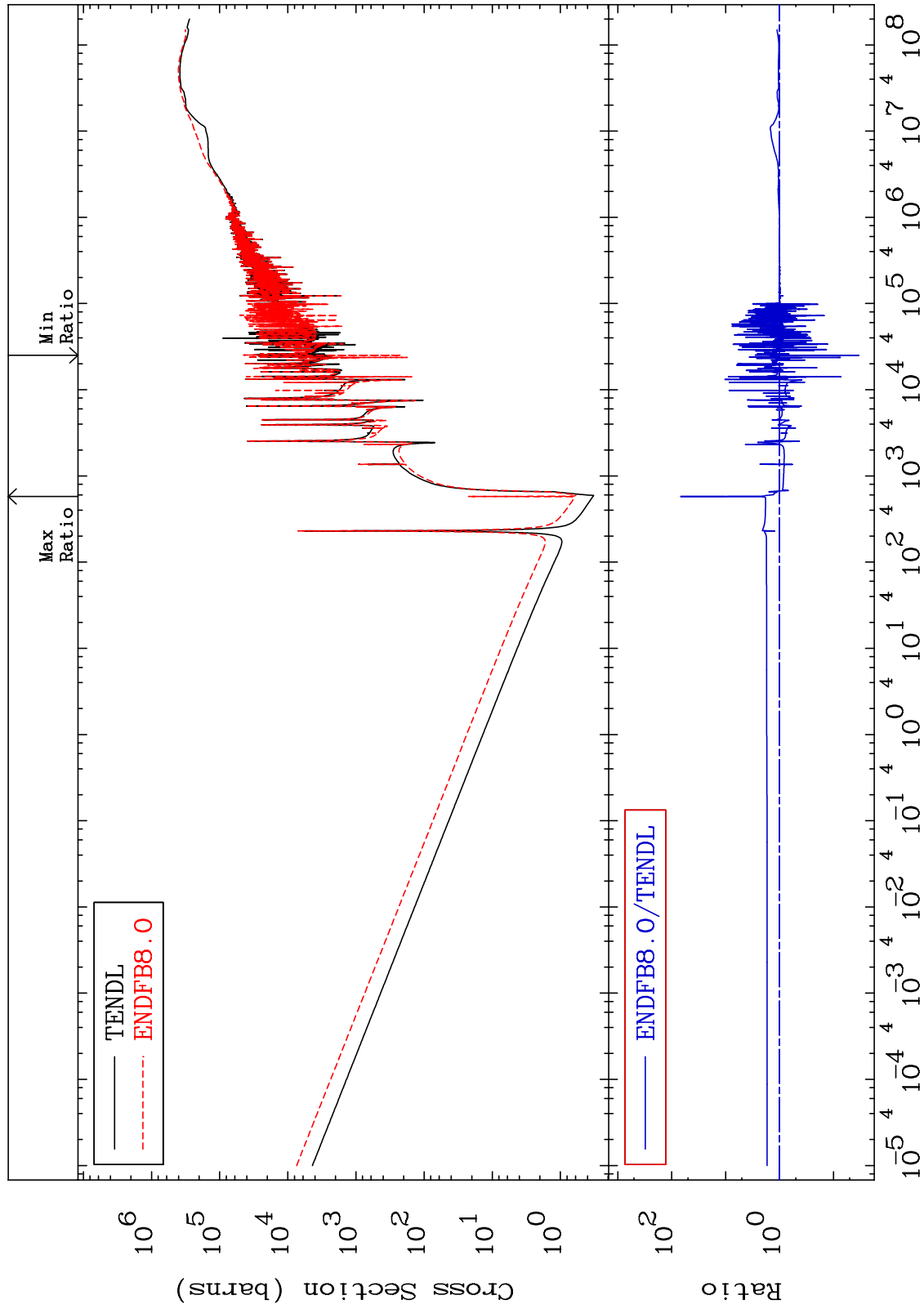
MAT 2931 Total kinematic kerma (high limit) 29-Cu-65
 Cross Section -96.65 To 933.7 %



MAT 2931

Dpa total (eV-barns)
Cross Section

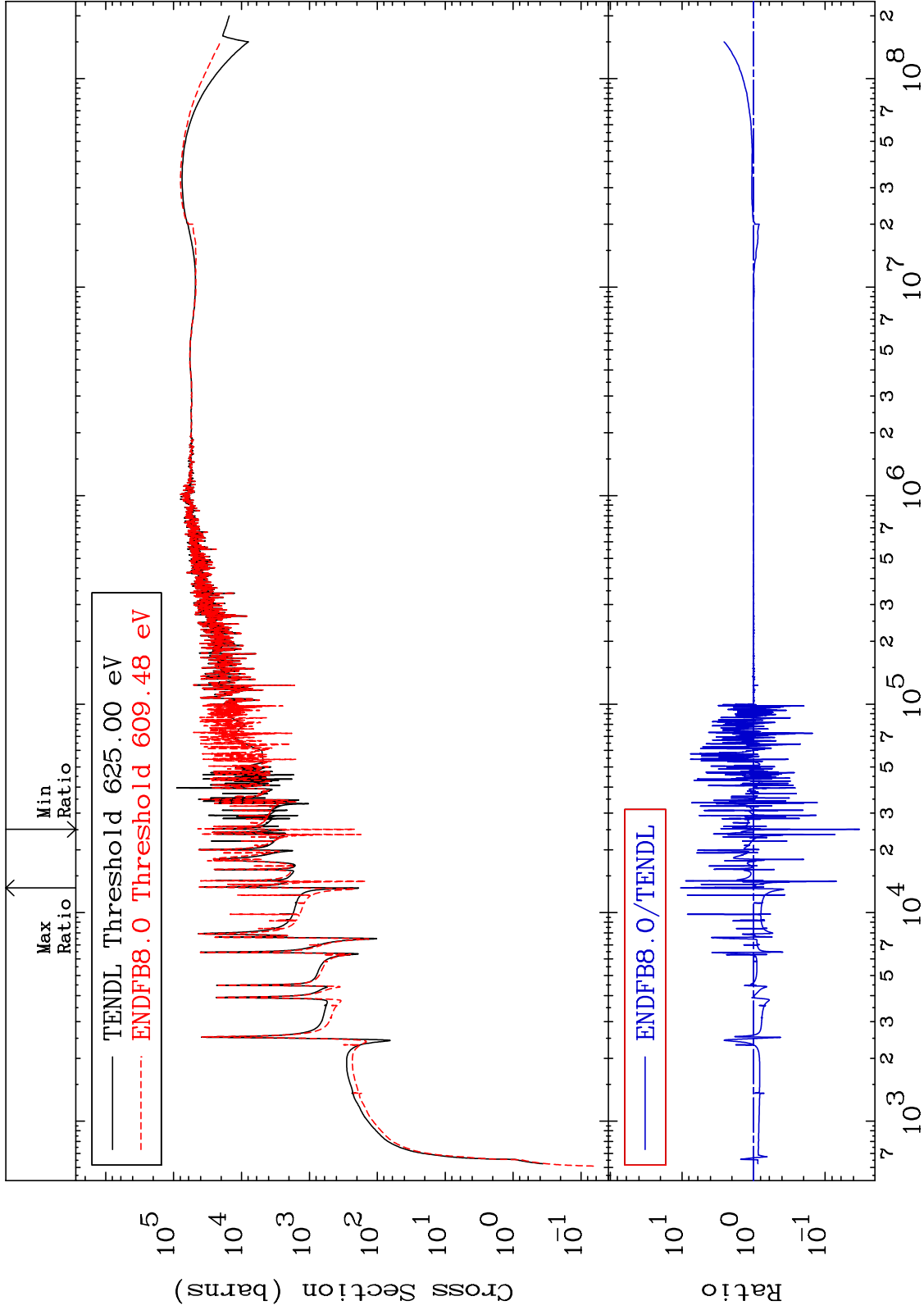
29-Cu-65
-96.65 To 6663. %



MAT 2931

Dpa elastic (mt2)
Cross Section

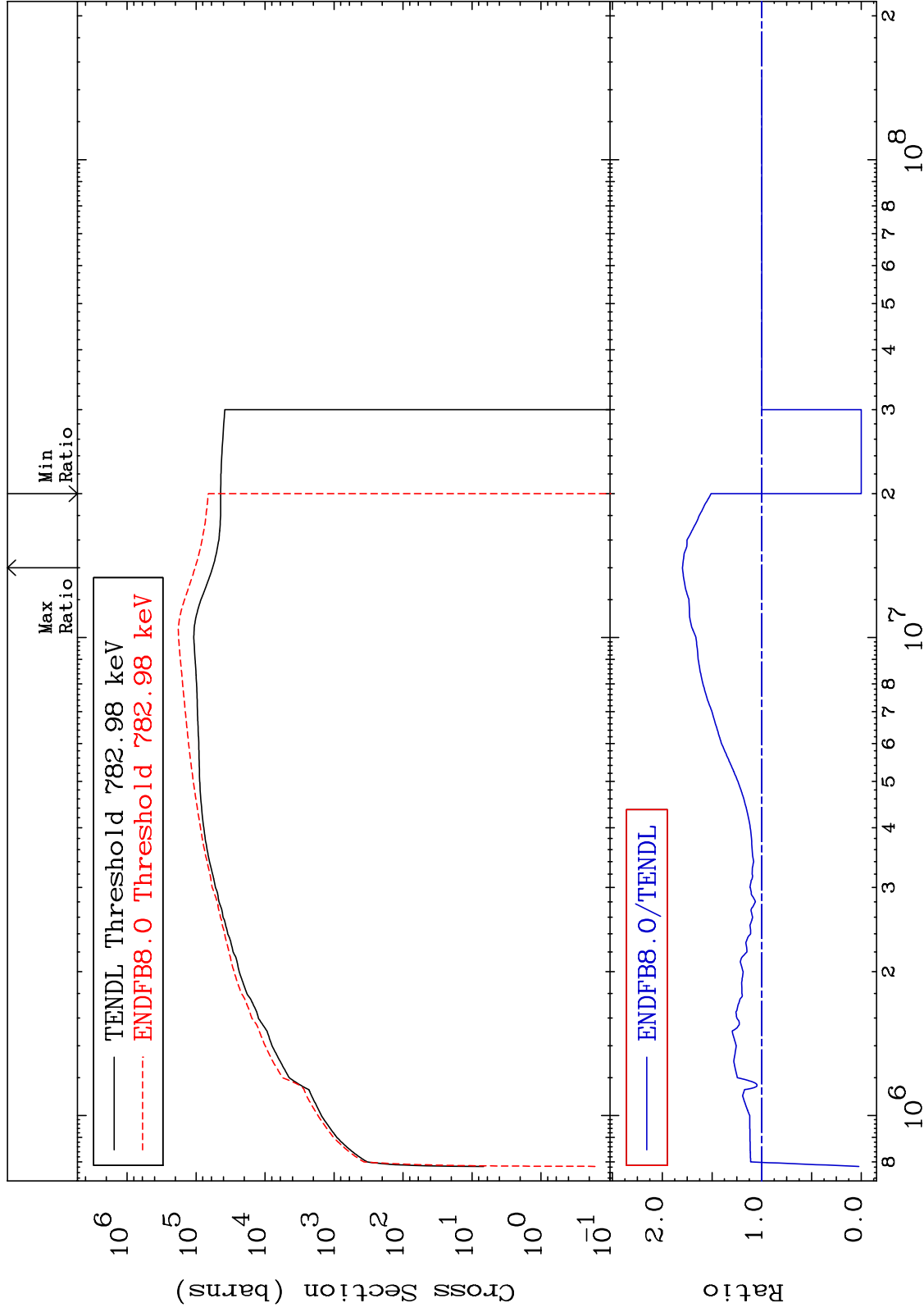
29-Cu-65
-96.71 To 937.9 %



MAT 2931

Dpa inelastic (mt51-91)
Cross Section

29-Cu-65
-100.0 To 79.71 %



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Incident Energy (eV)

29-Cu-65

MAT 2931

Dpa disappearance (mt102 -120)
Cross Section

29-Cu-65
-100.0 To 9999. %

