

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

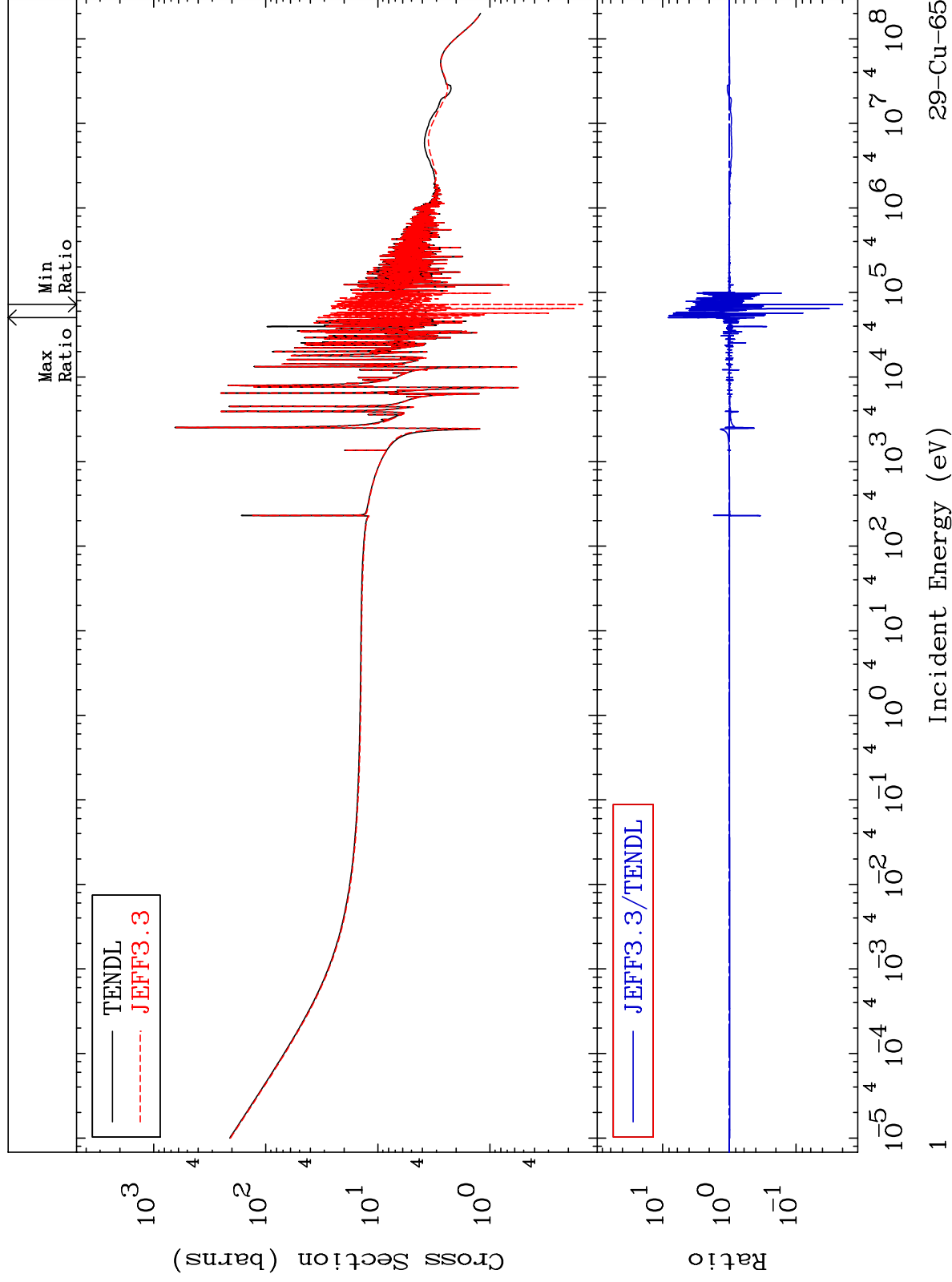
MAT 2931

Total

29-Cu-65

Cross Section

-98.02 To 729.4 %



29-Cu-65

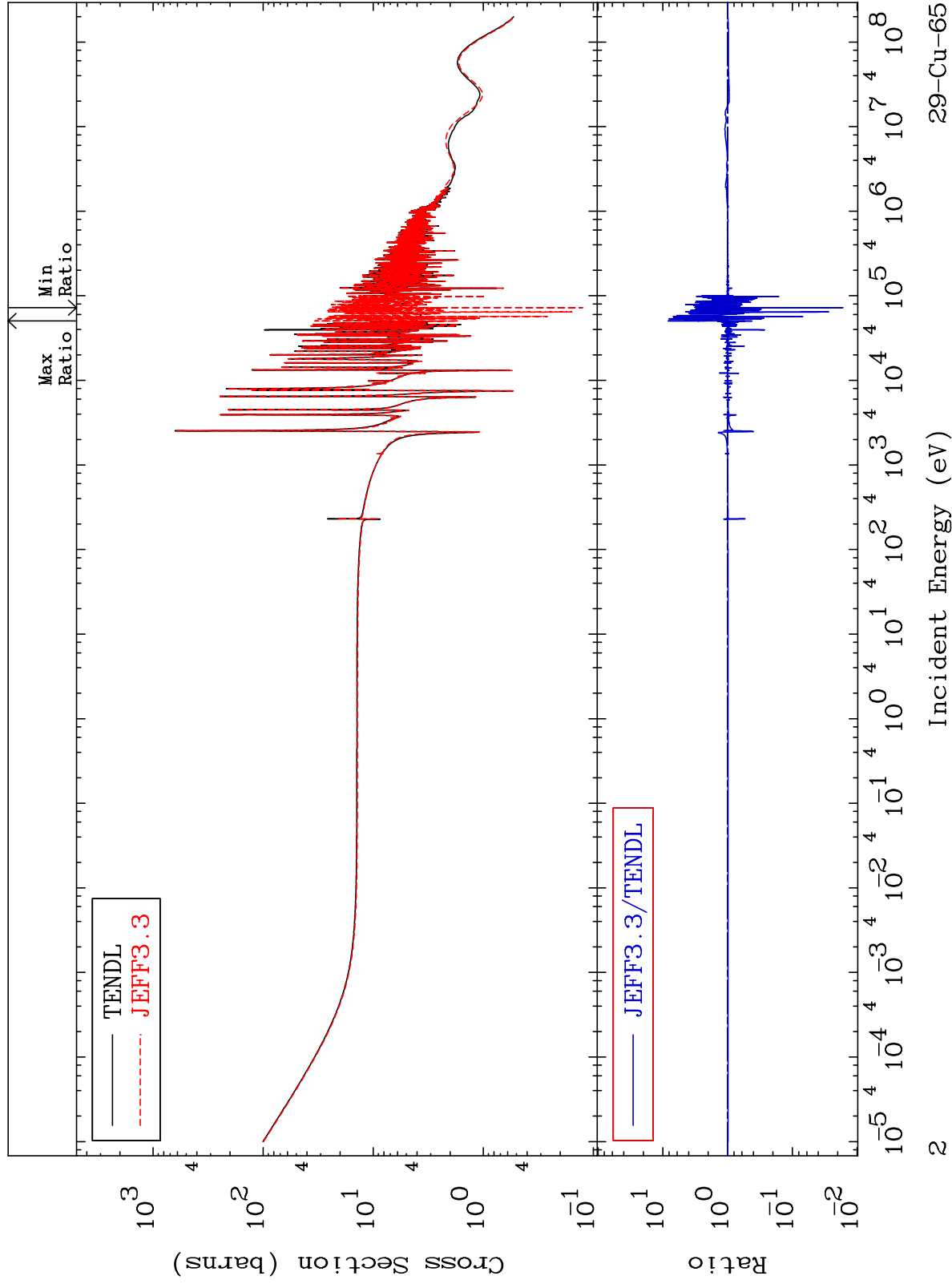
Incident Energy (eV)

1

MAT 2931

Elastic
Cross Section

29-Cu-65
-98.33 To 731.1 %

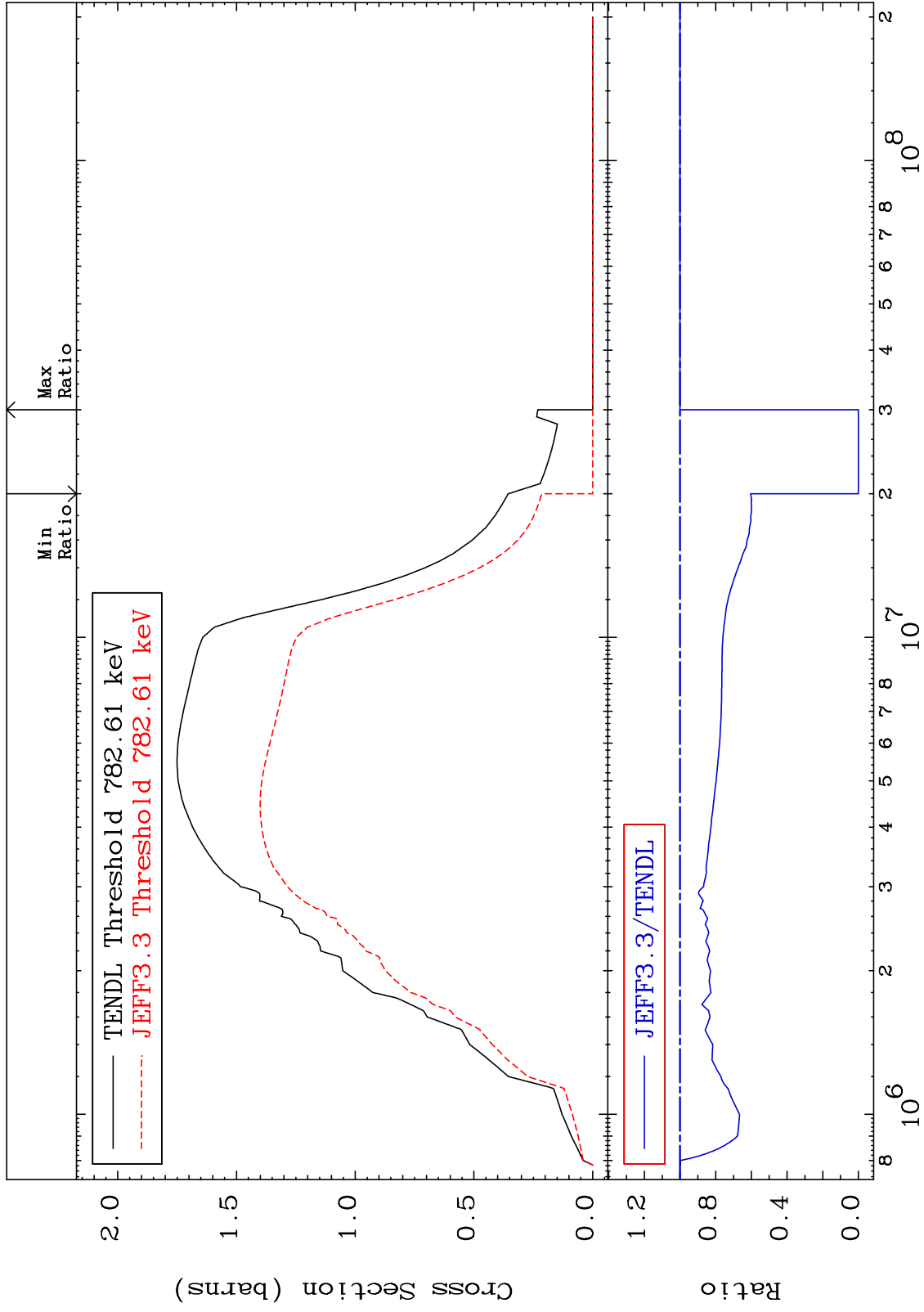


MAT 2931

Inelastic

29-Cu-65

-100.0 To 0.000 %



3

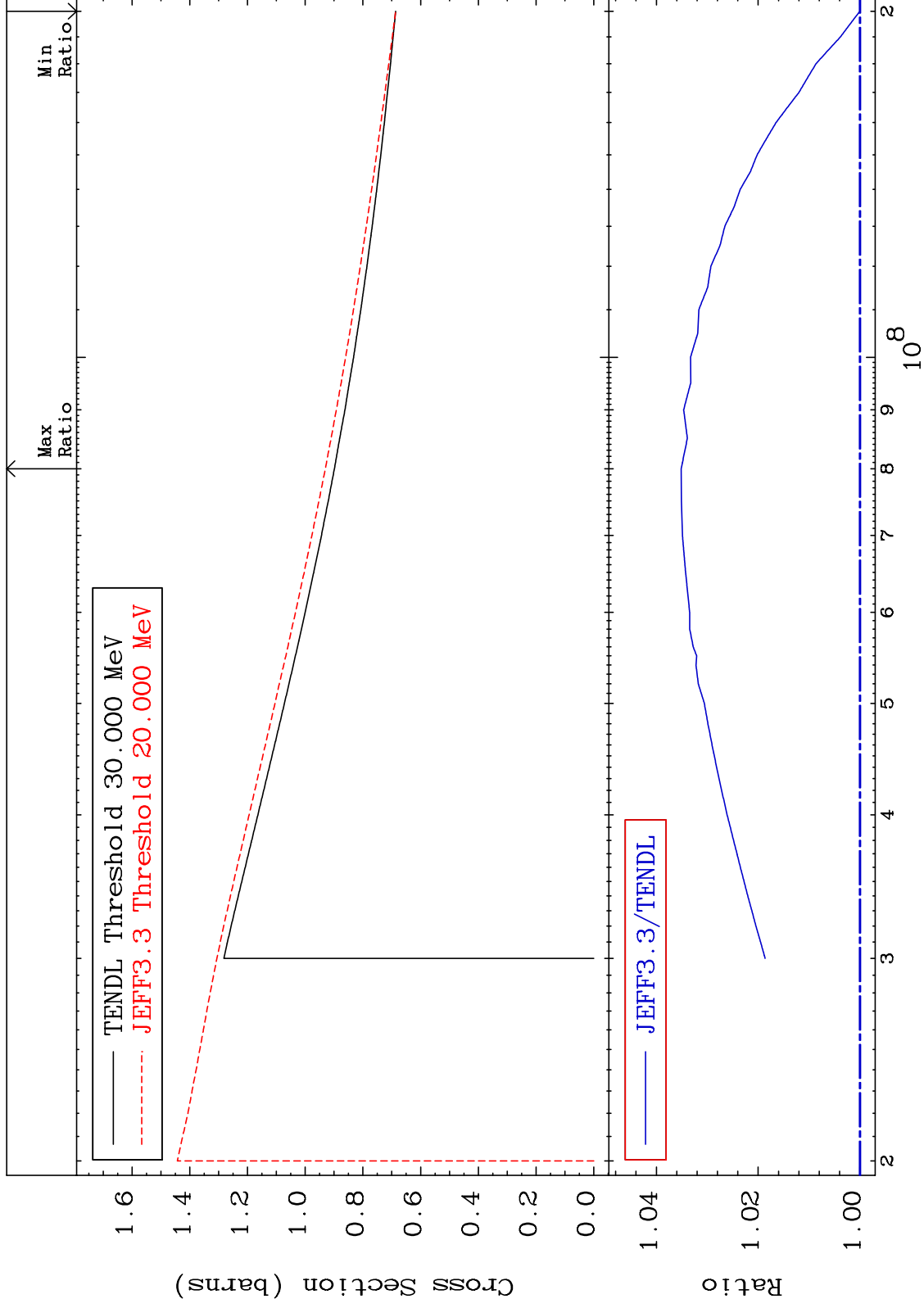
Incident Energy (eV)

29-Cu-65

MAT 2931

(n, remainder)
Cross Section

0.001 To 3.512 %
29-Cu-65



Incident Energy (eV)

29-Cu-65

4

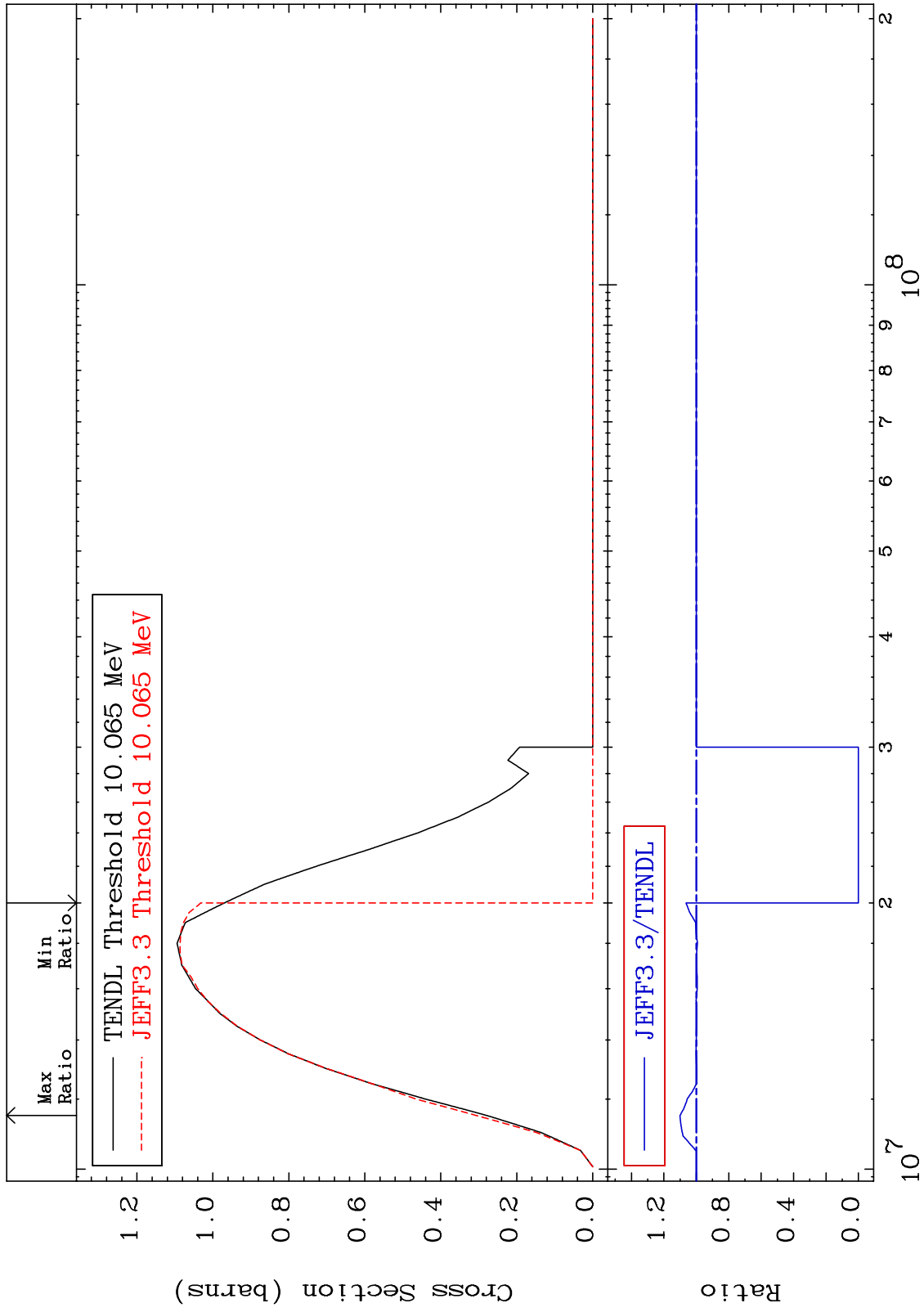
MAT 2931

(n,2n)

29-Cu-65

Cross Section

-100.0 To 10.04 %



Incident Energy (eV)

29-Cu-65

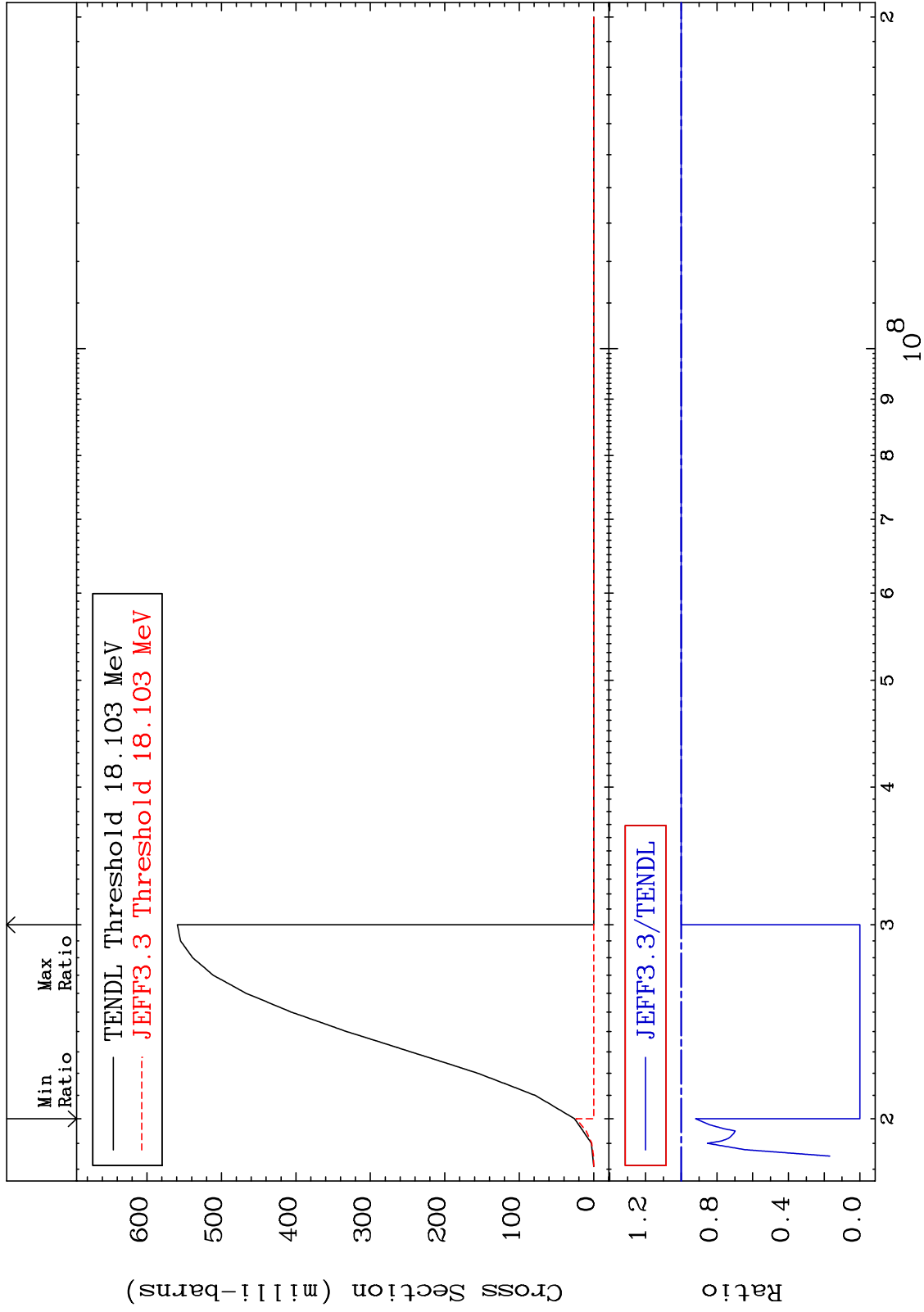
MAT 2931

(n,3n)

29-Cu-65

Cross Section

-100.0 To 0.000 %



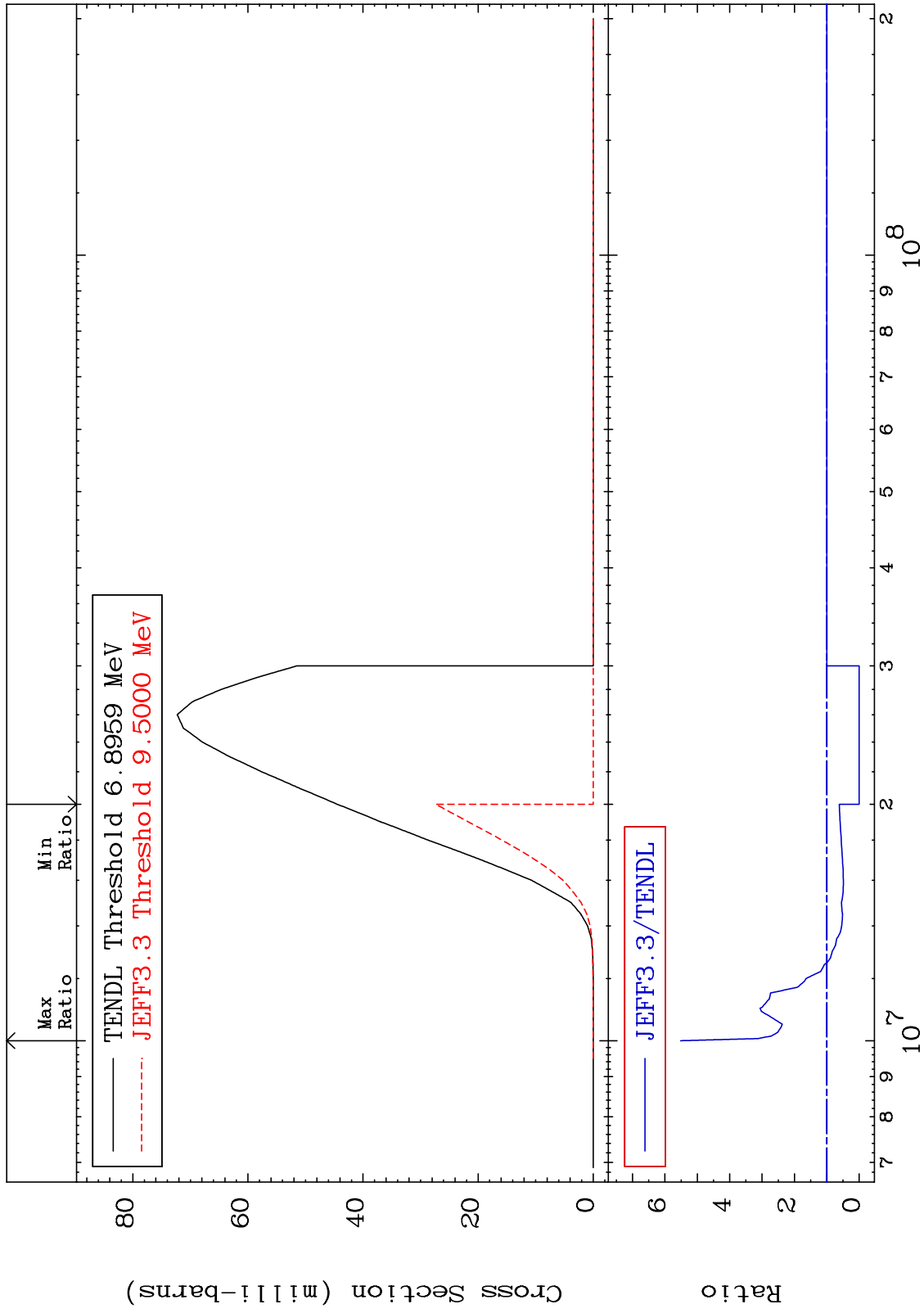
MAT 2931

$(n, n') \alpha$

²⁹-Cu-65

Cross Section

-100.0 To 451.6 %



7

Incident Energy (eV)

²⁹-Cu-65

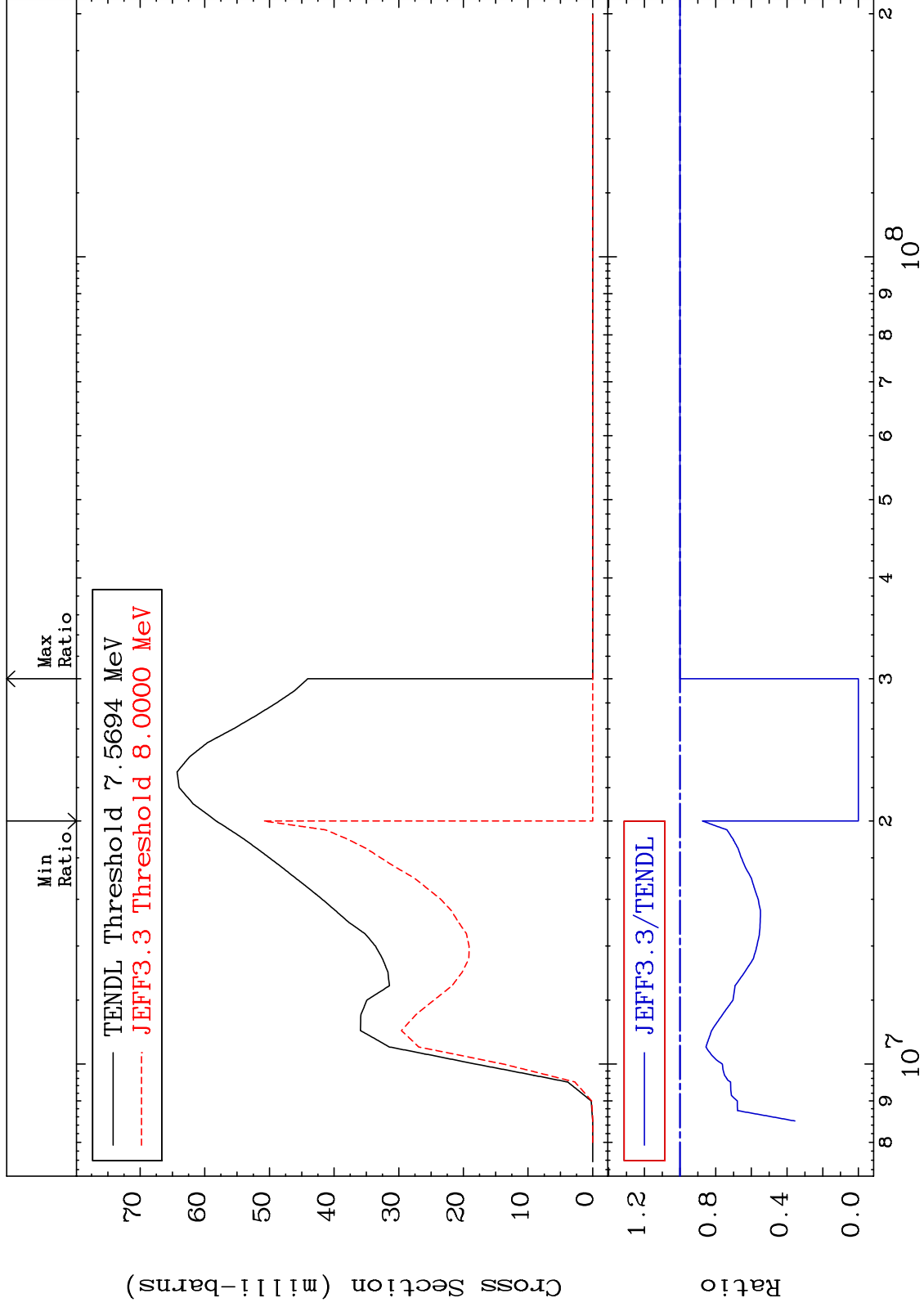
MAT 2931

(n, n') p

29-Cu-65

Cross Section

-100.0 To 0.000 %



8

Incident Energy (eV)

29-Cu-65

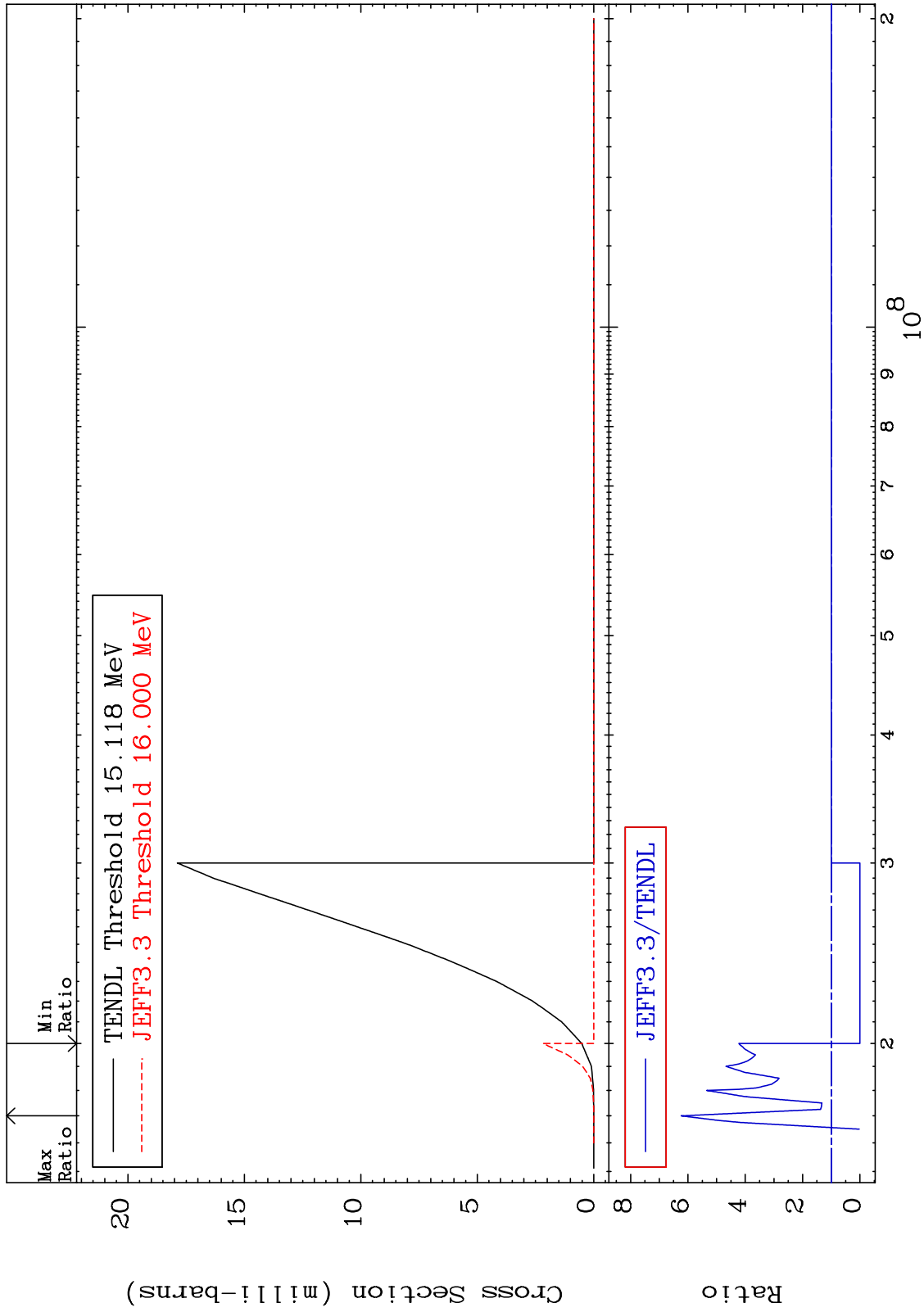
MAT 2931

(n, n') d

29-Cu-65

Cross Section

-100.0 To 523.4 %



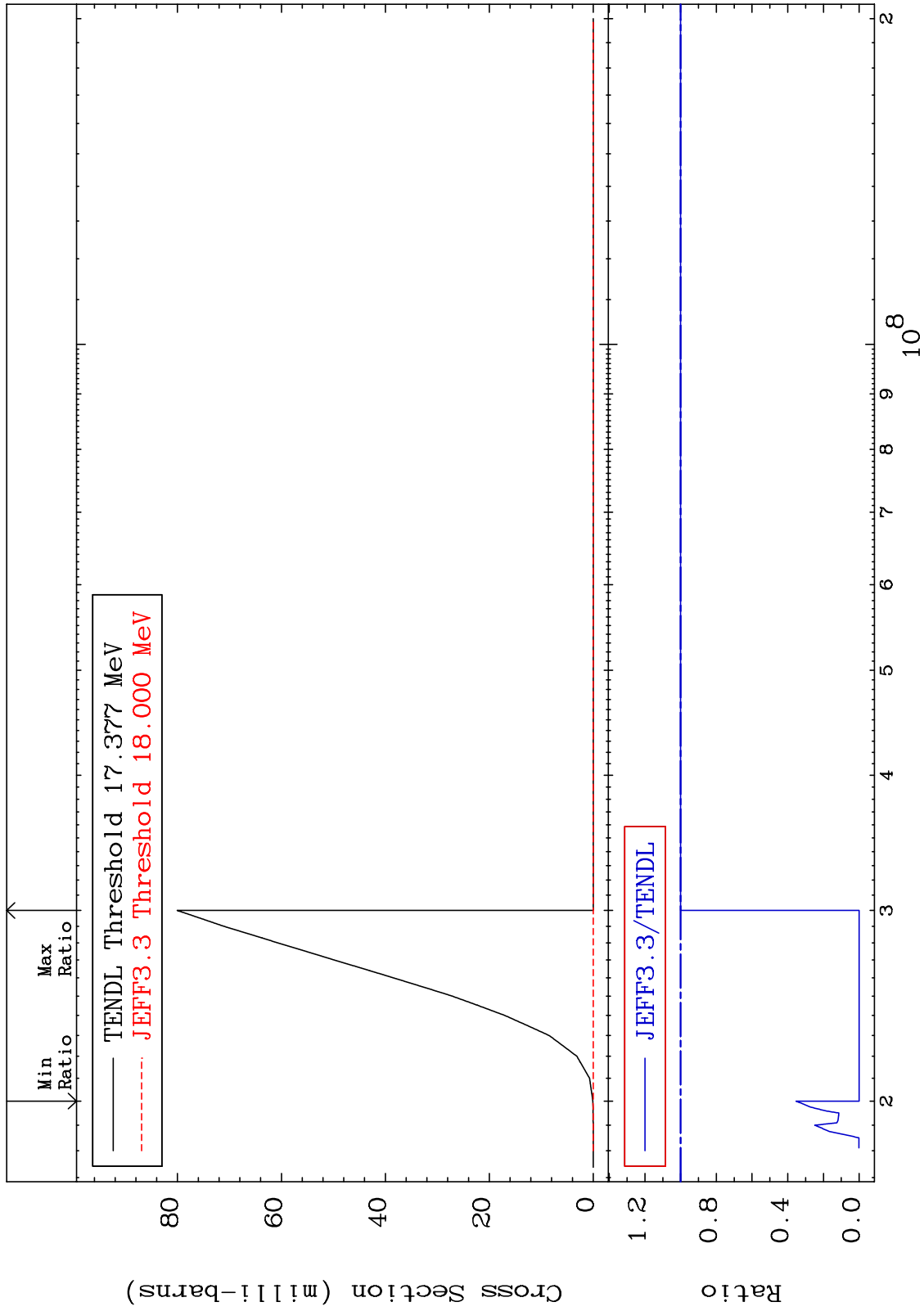
MAT 2931

(n,2n) p

29-Cu-65

Cross Section

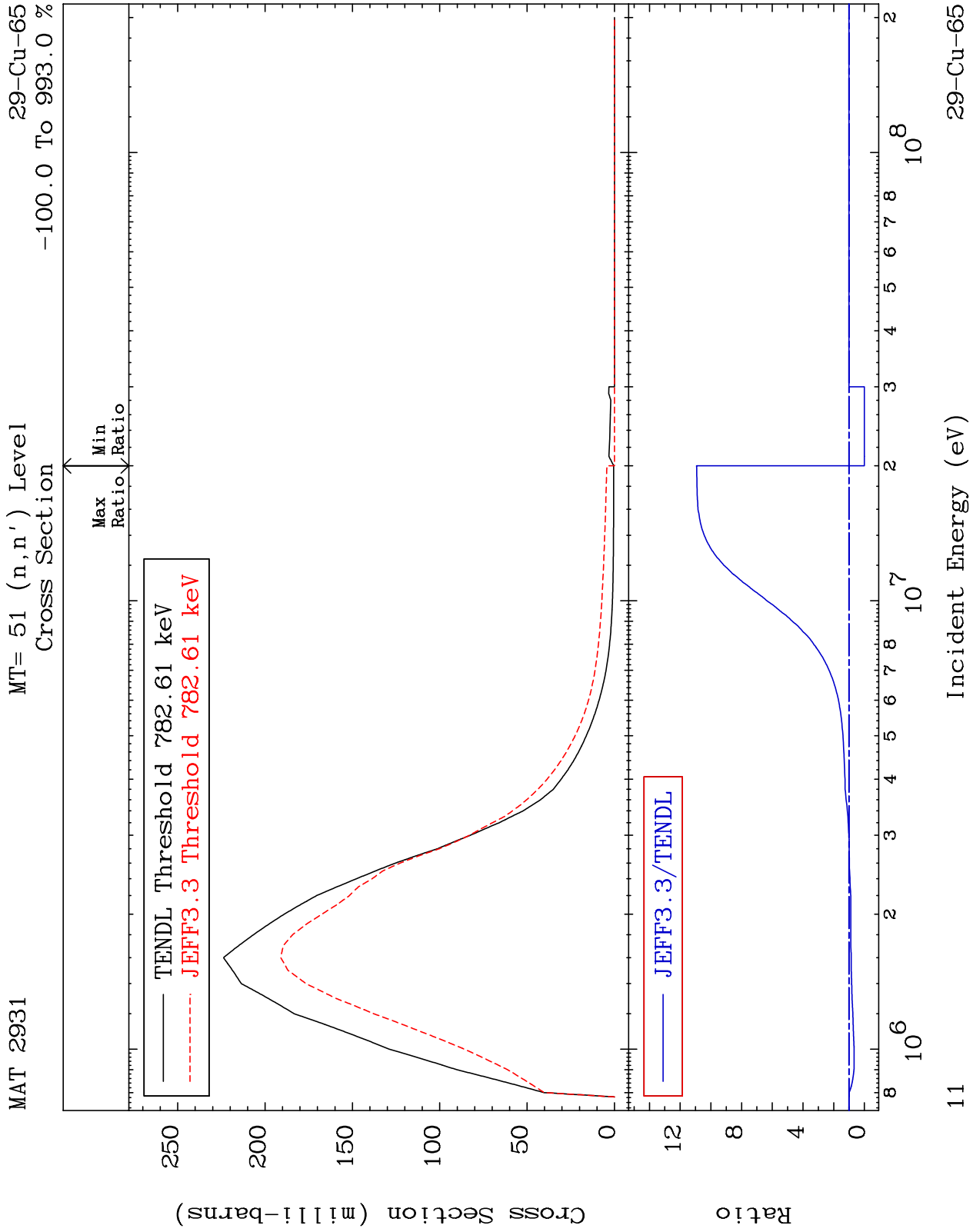
-100.0 To 0.000 %

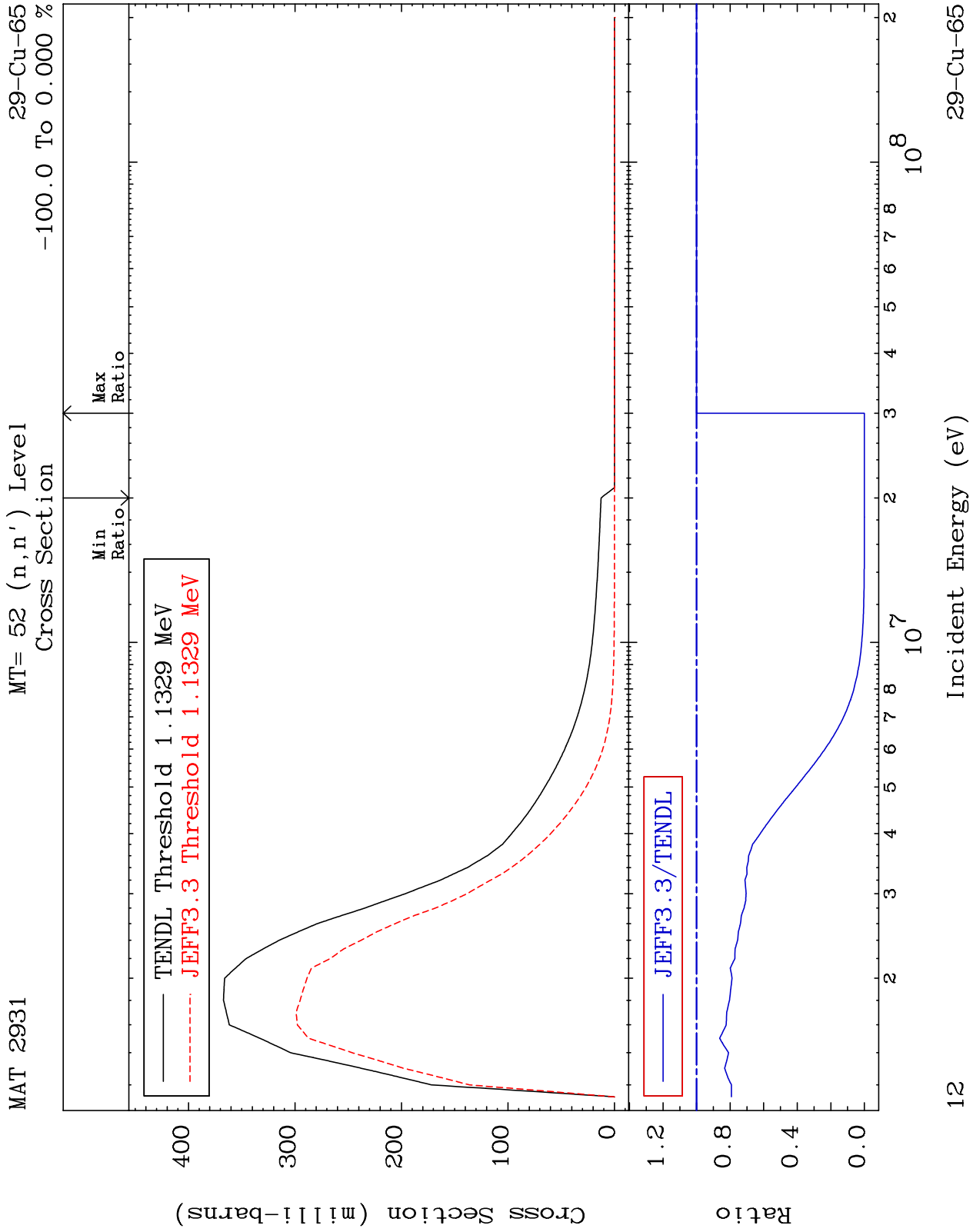


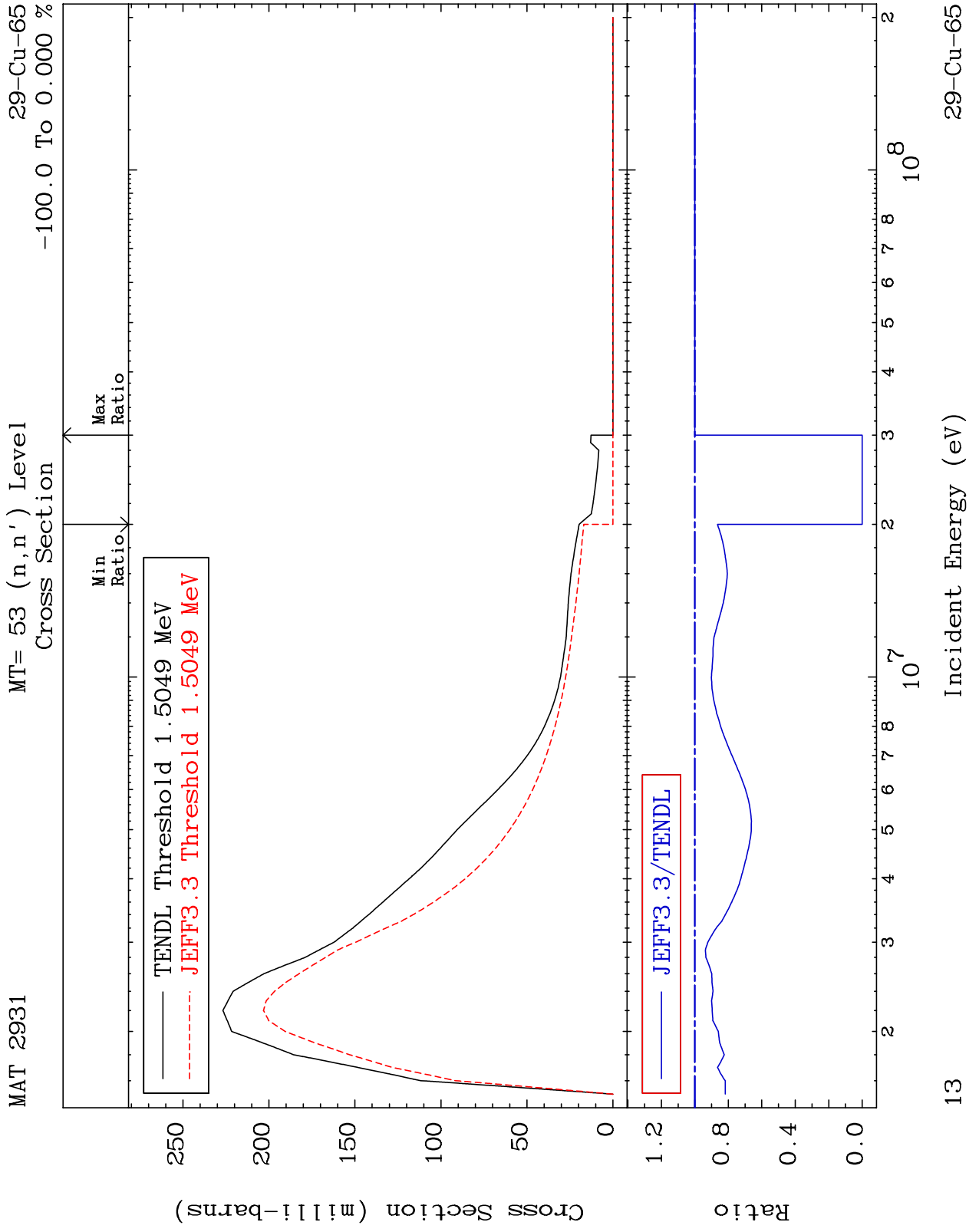
10

Incident Energy (eV)

29-Cu-65



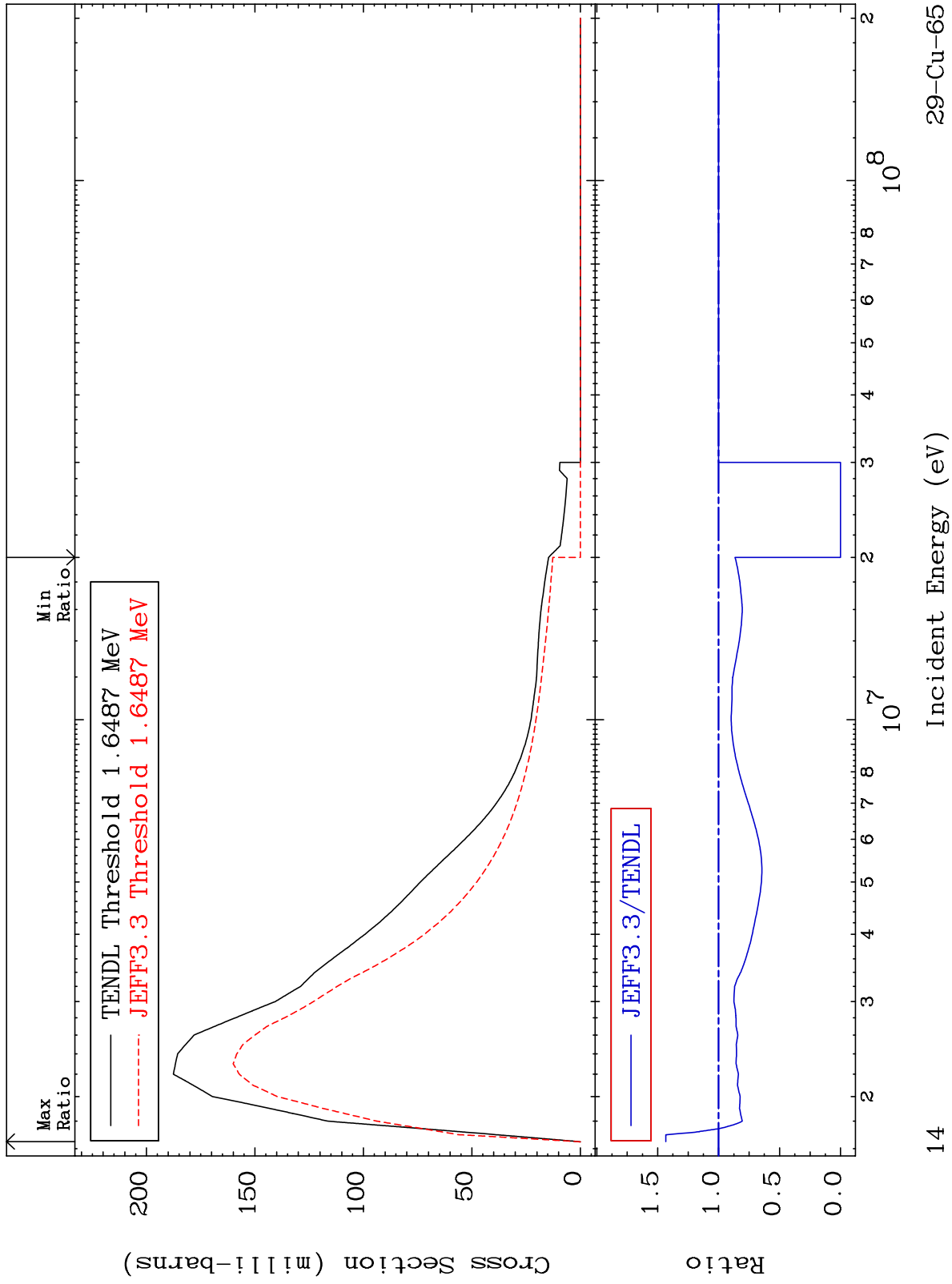




MAT 2931

MT= 54 (n,n') Level
Cross Section

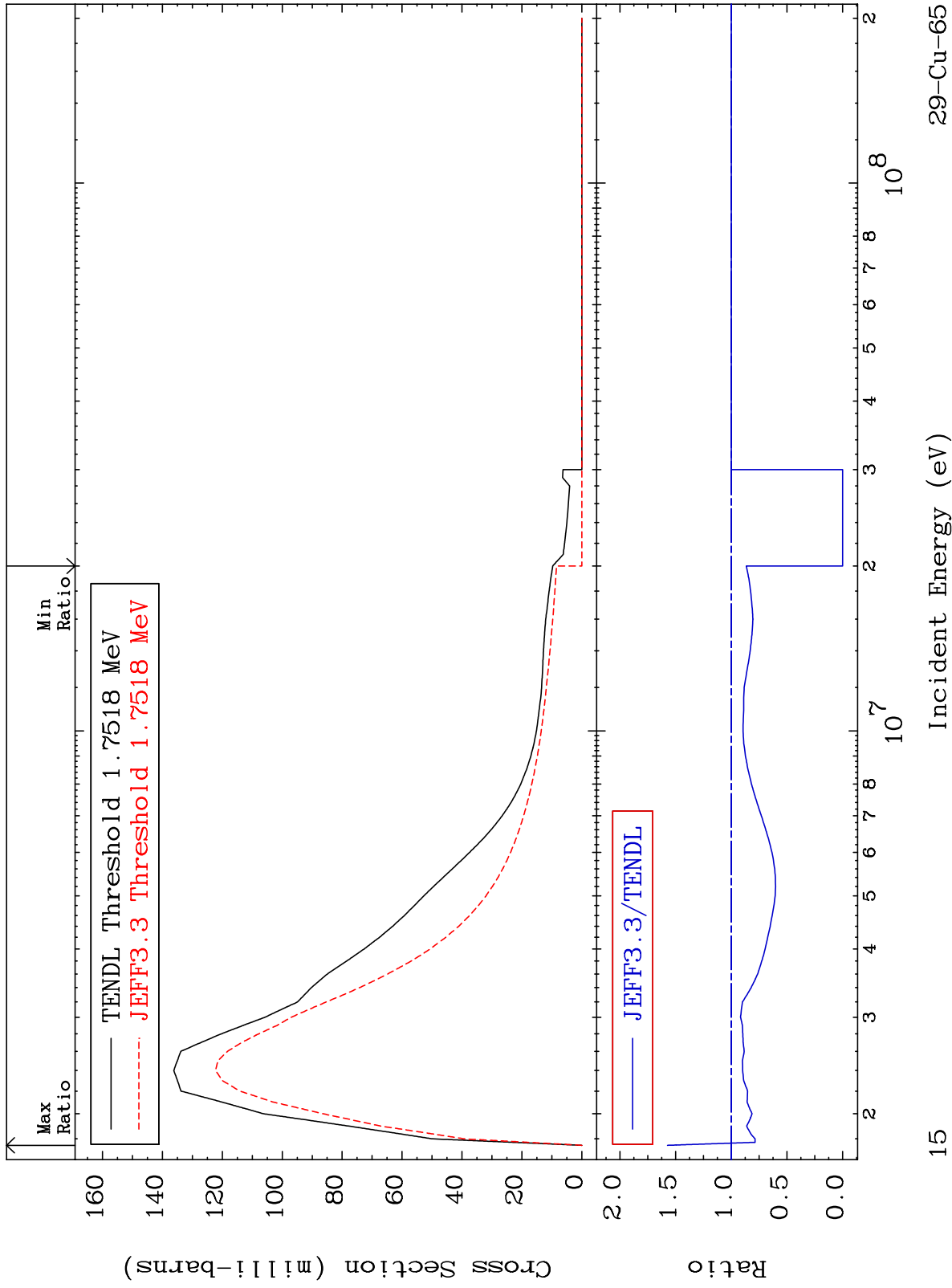
29-Cu-65
-100.0 To 43.28 %

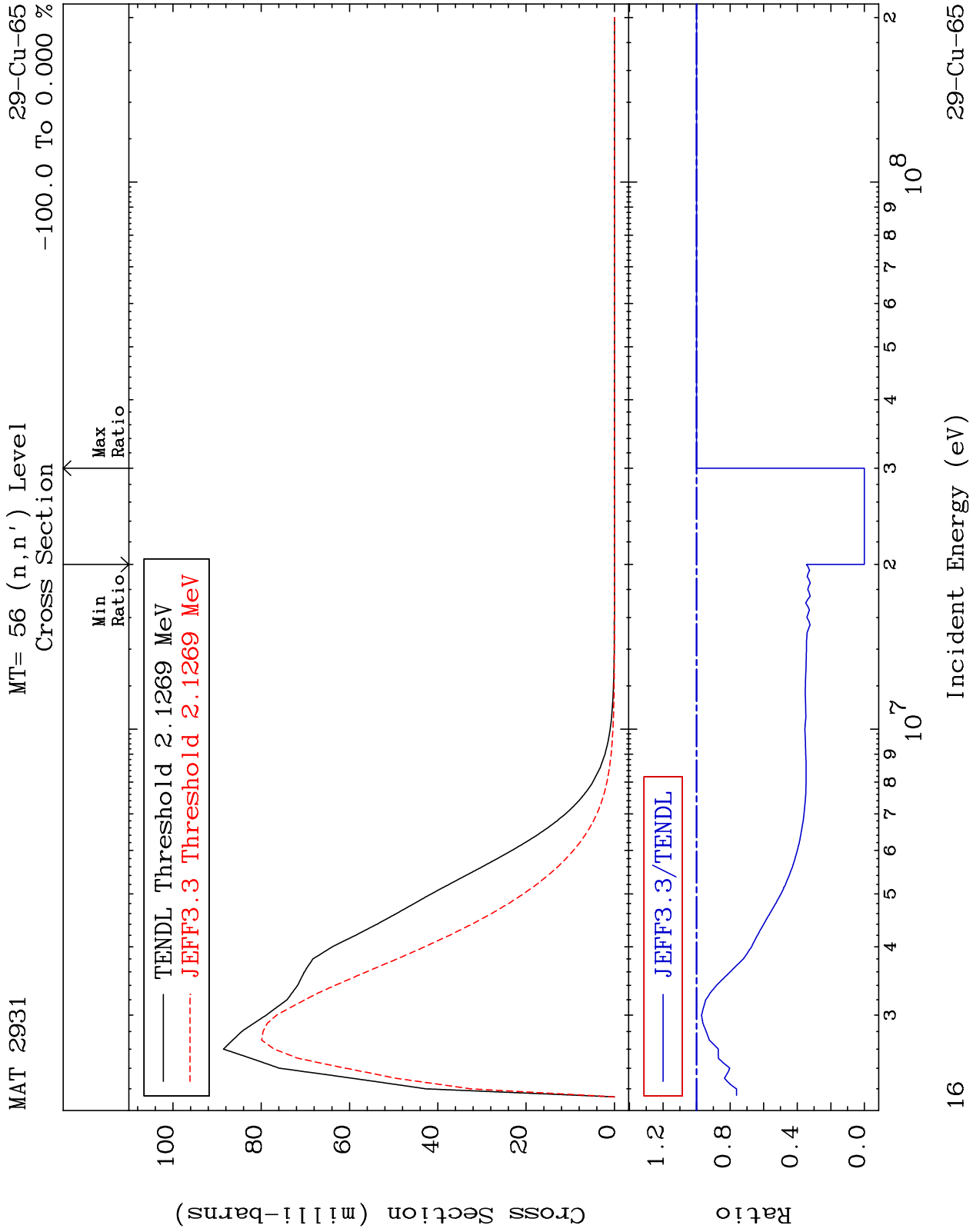


MAT 2931

MT= 55 (n,n') Level
Cross Section

29-Cu-65
-100.0 To 57.20 %

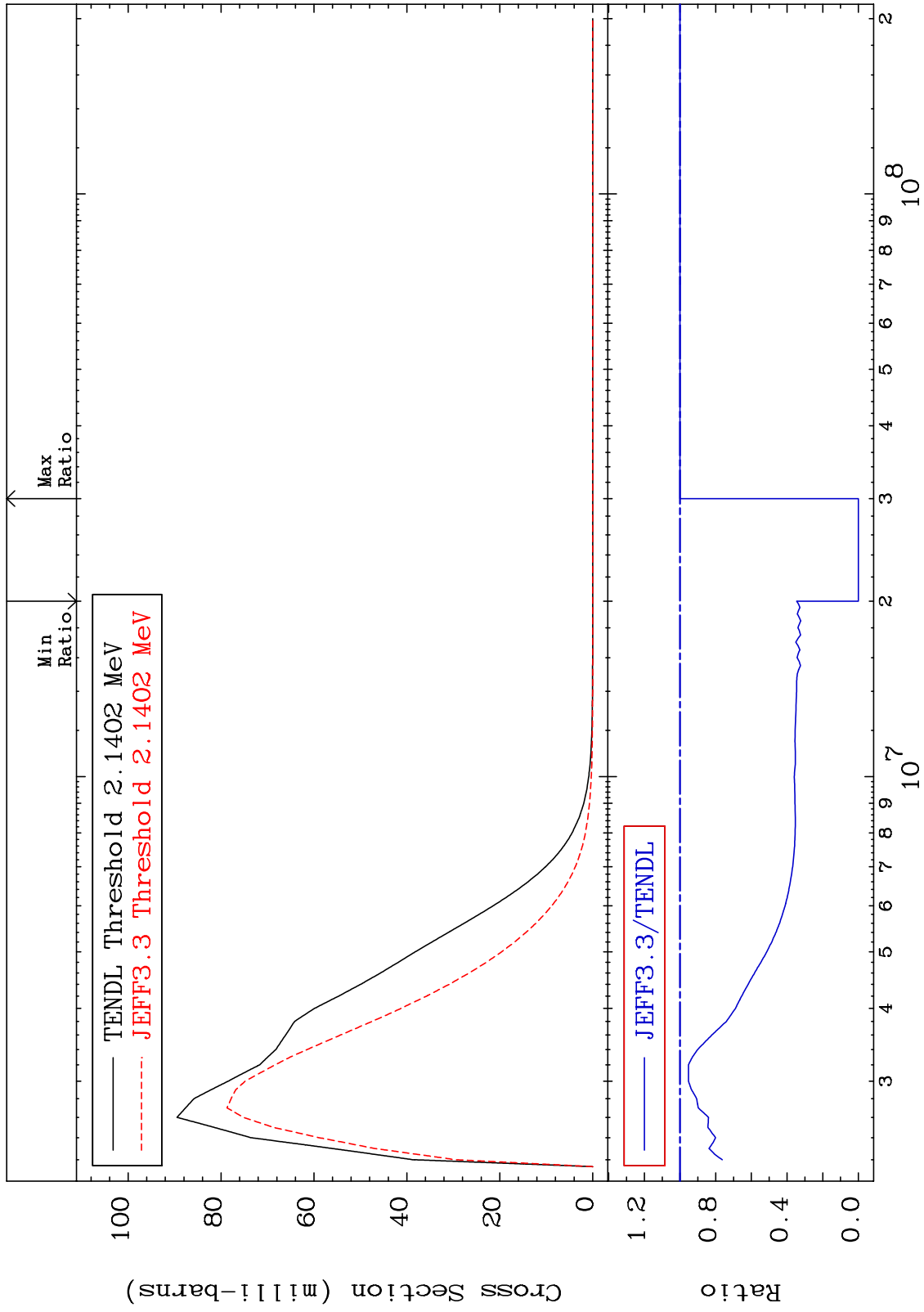


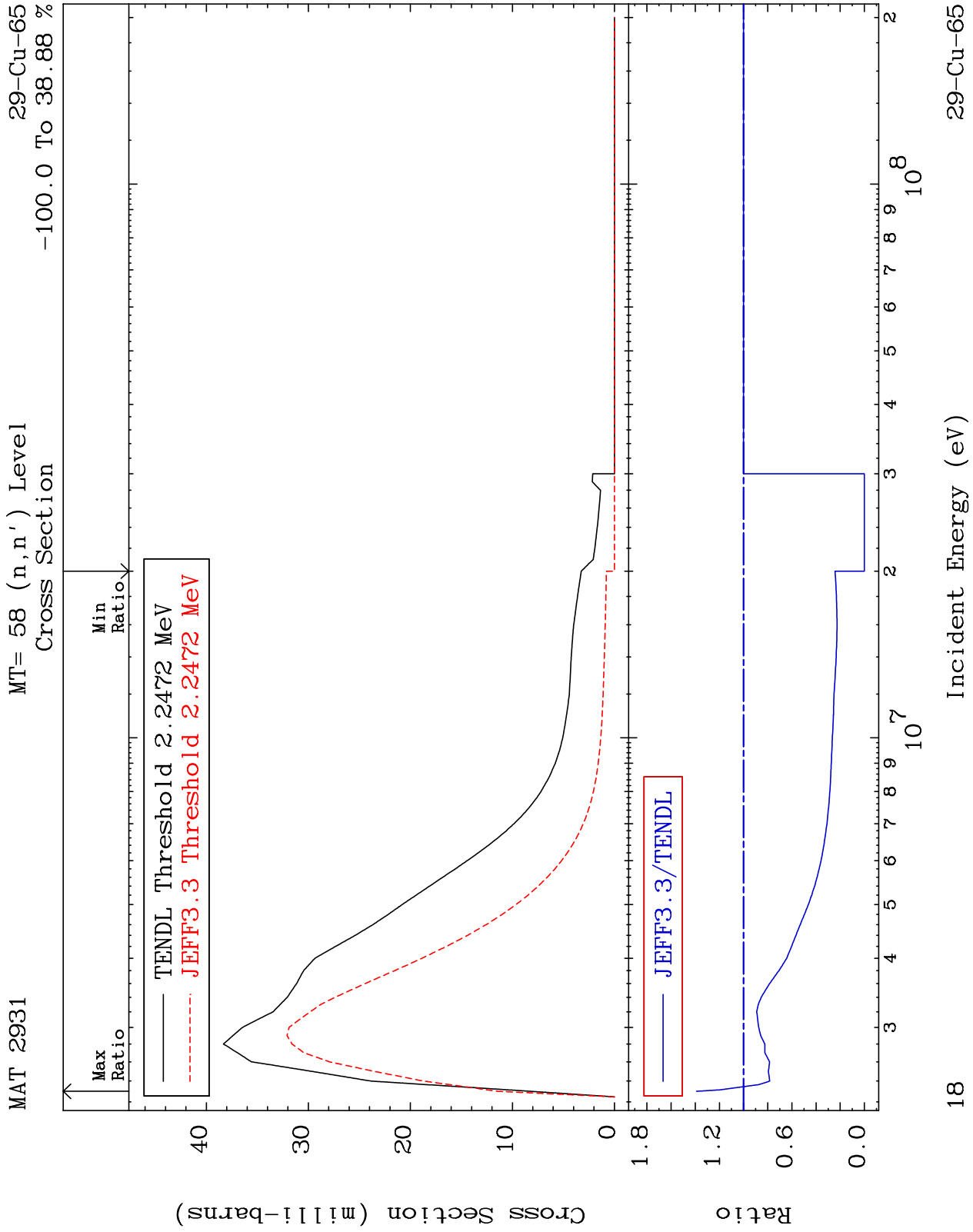


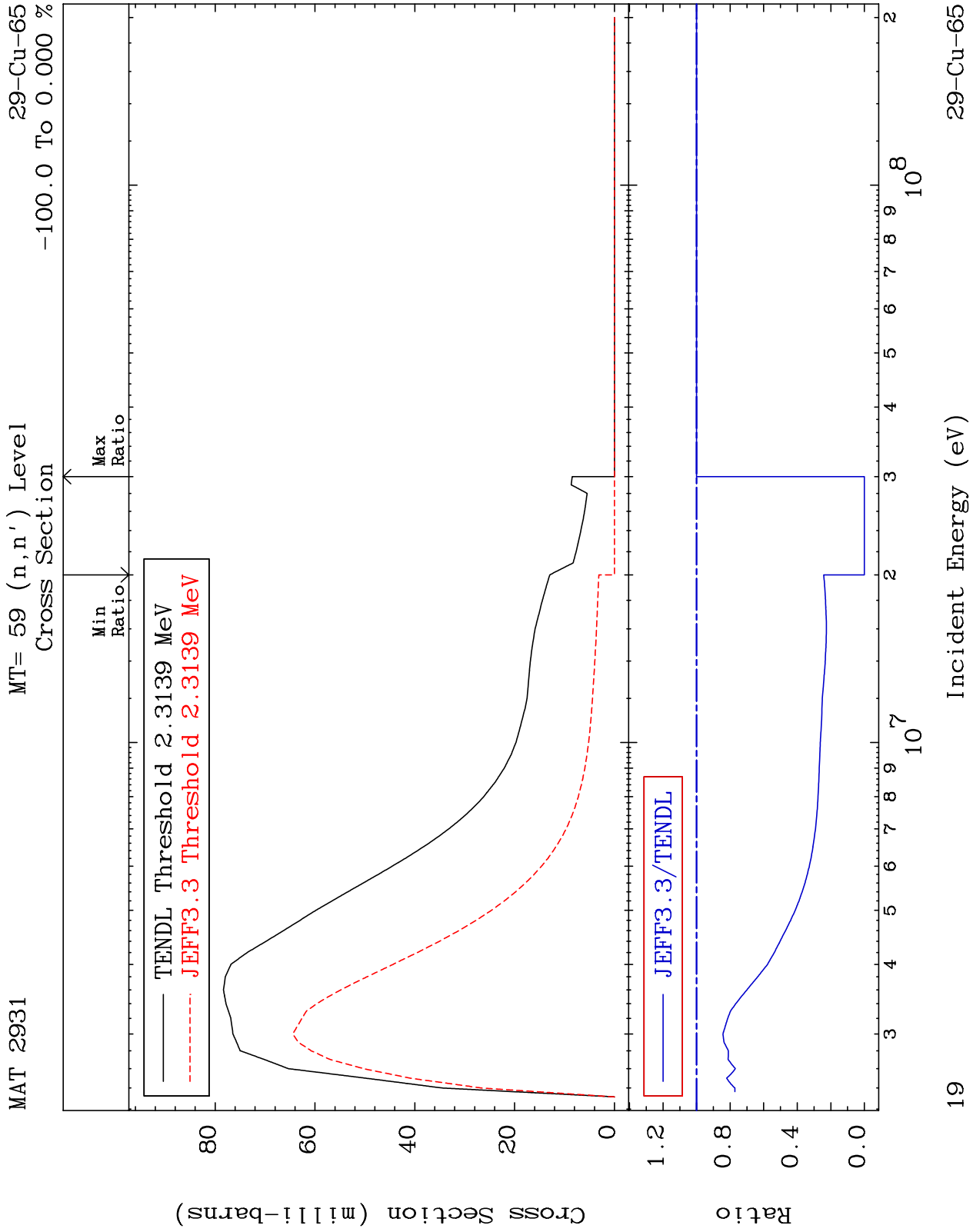
MAT 2931

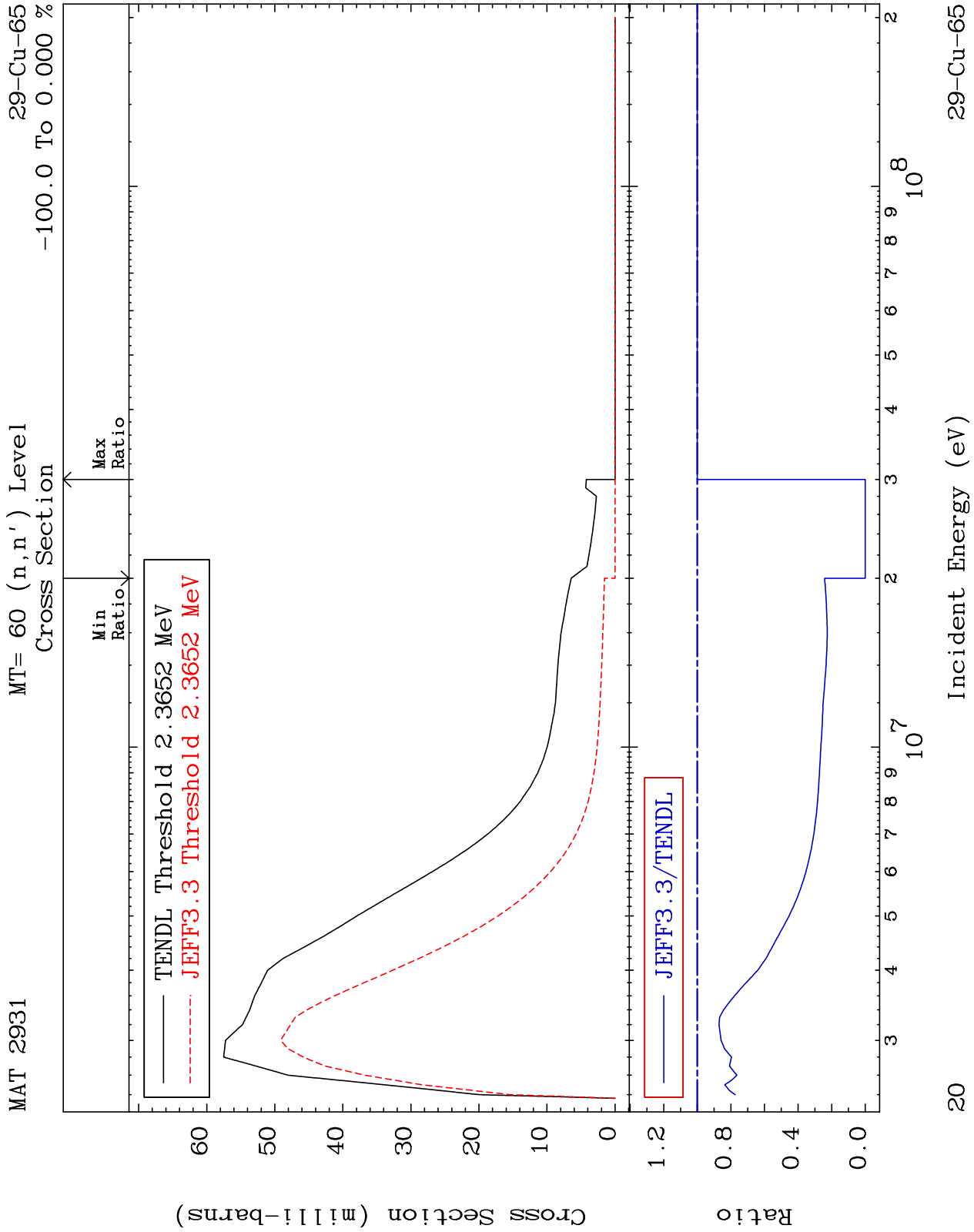
MT= 57 (n,n') Level
Cross Section

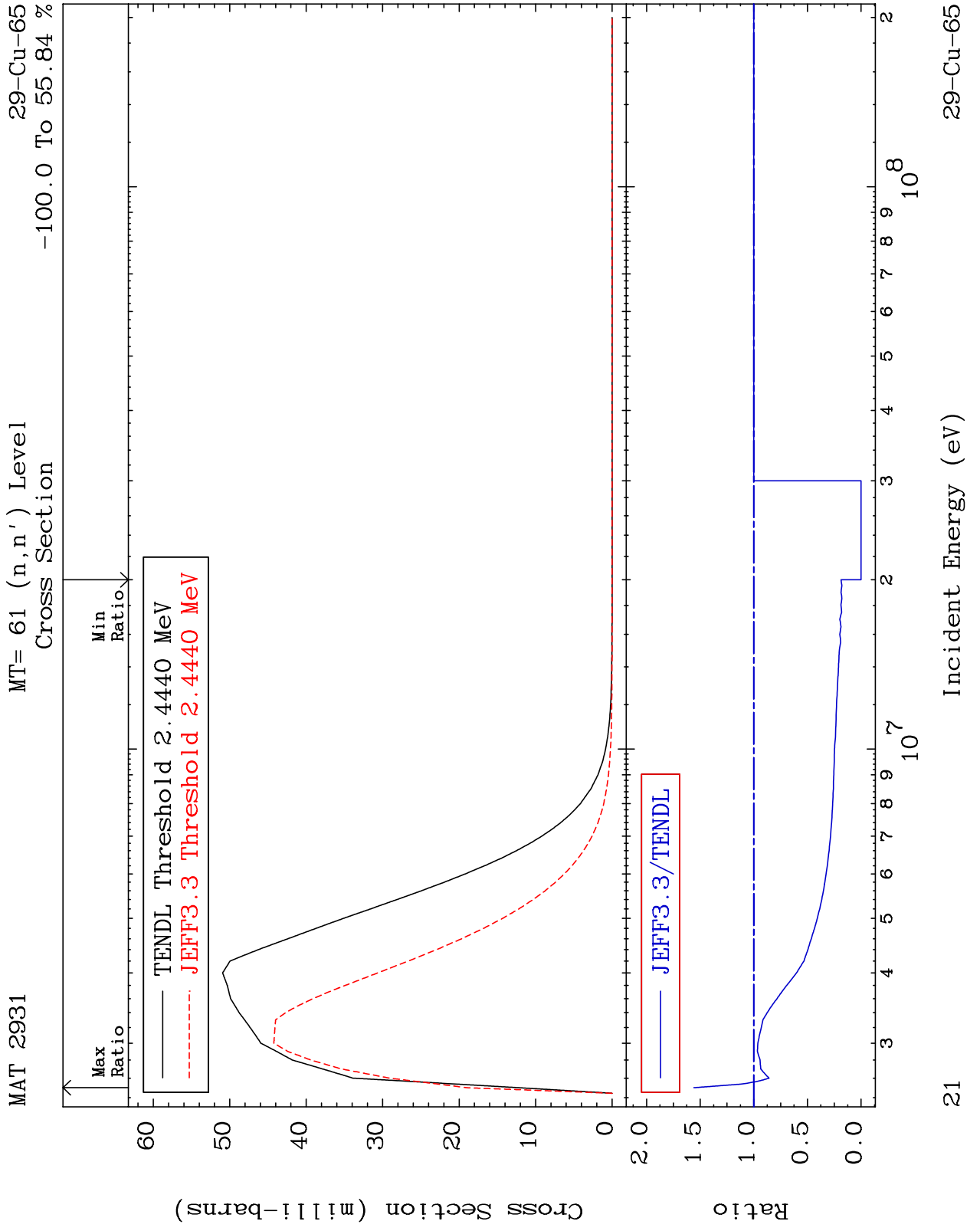
29-Cu-65
-100.0 To 0.000 %







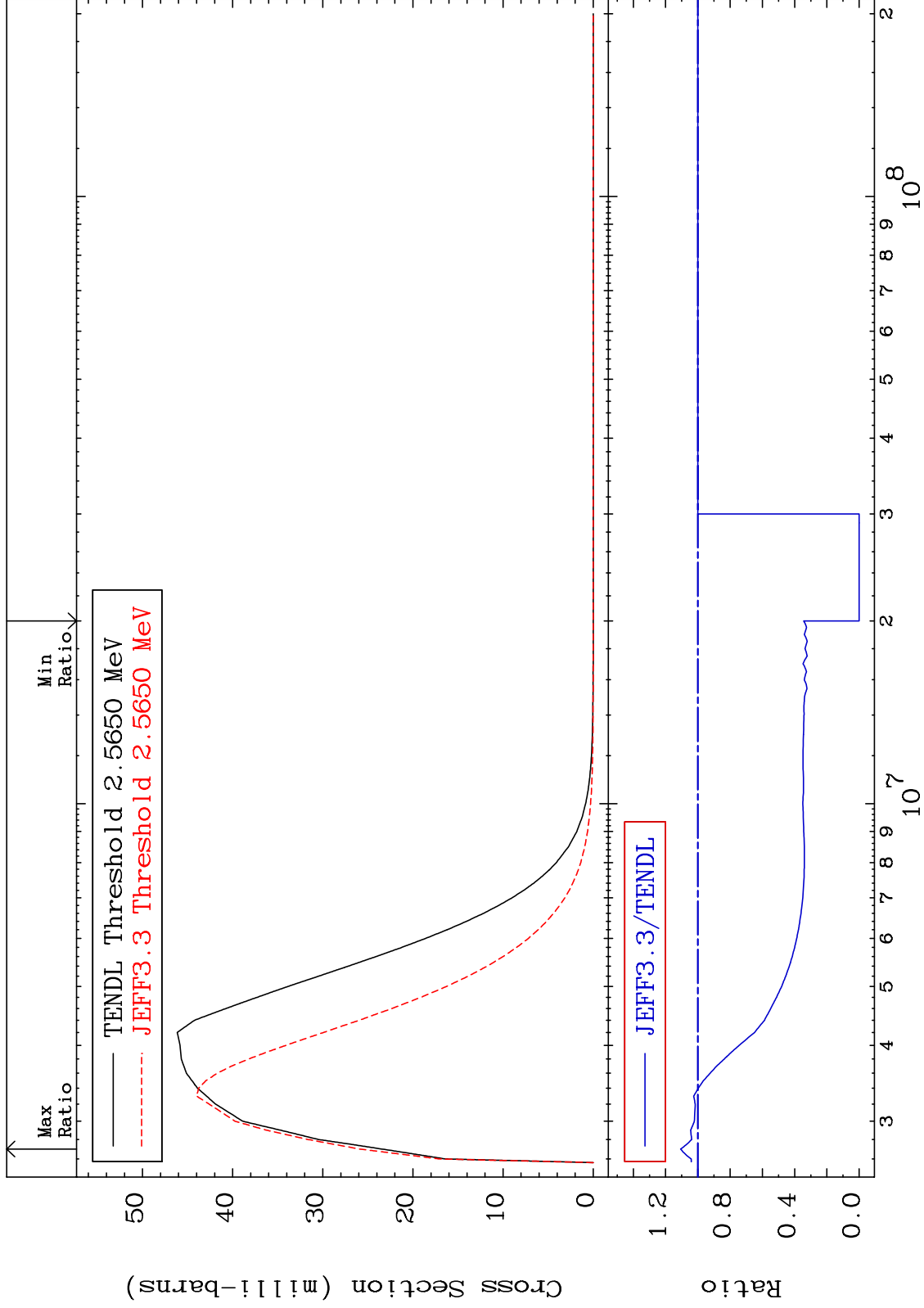




MAT 2931

MT= 62 (n,n') Level
Cross Section

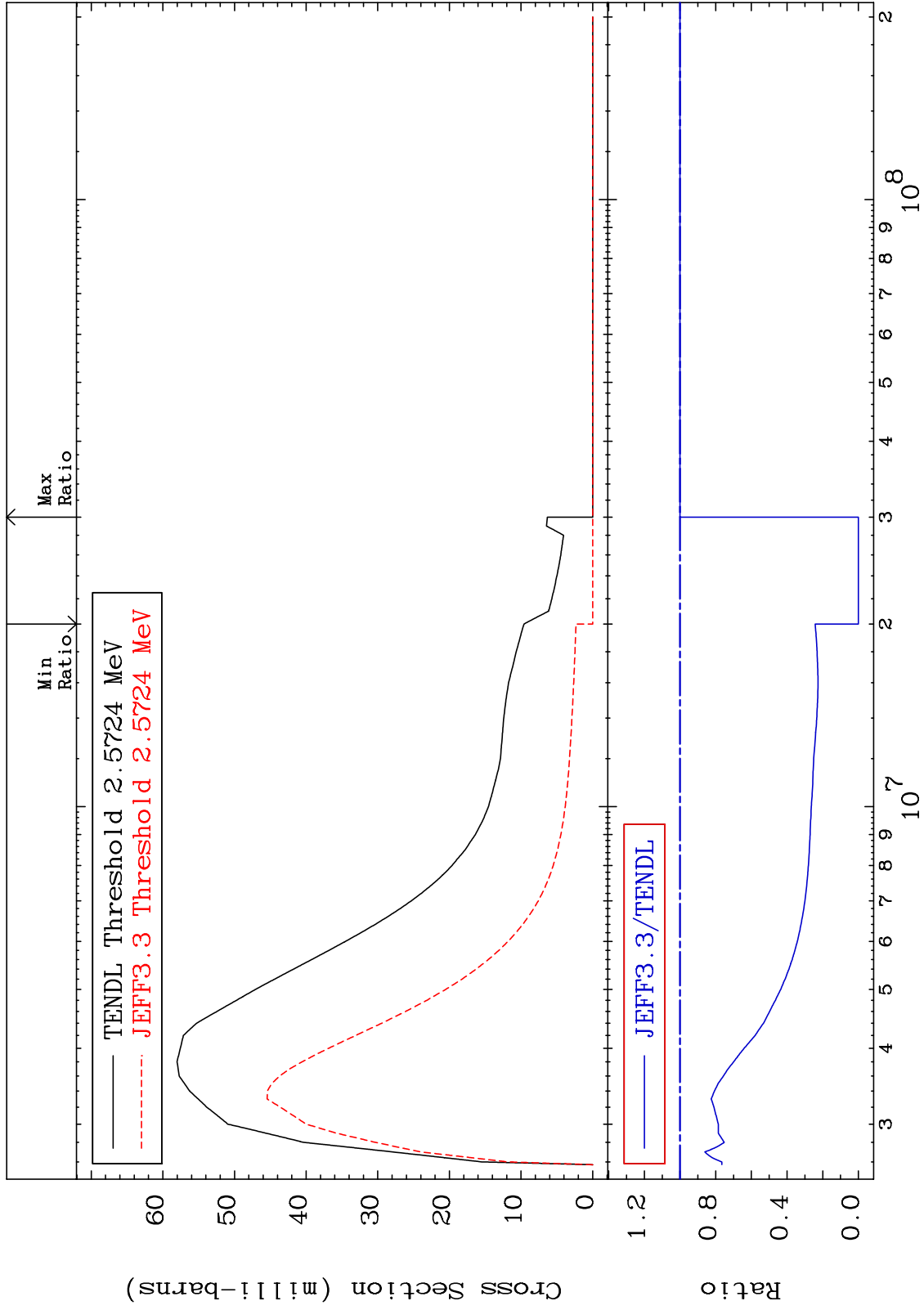
29-Cu-65
-100.0 To 10.68 %

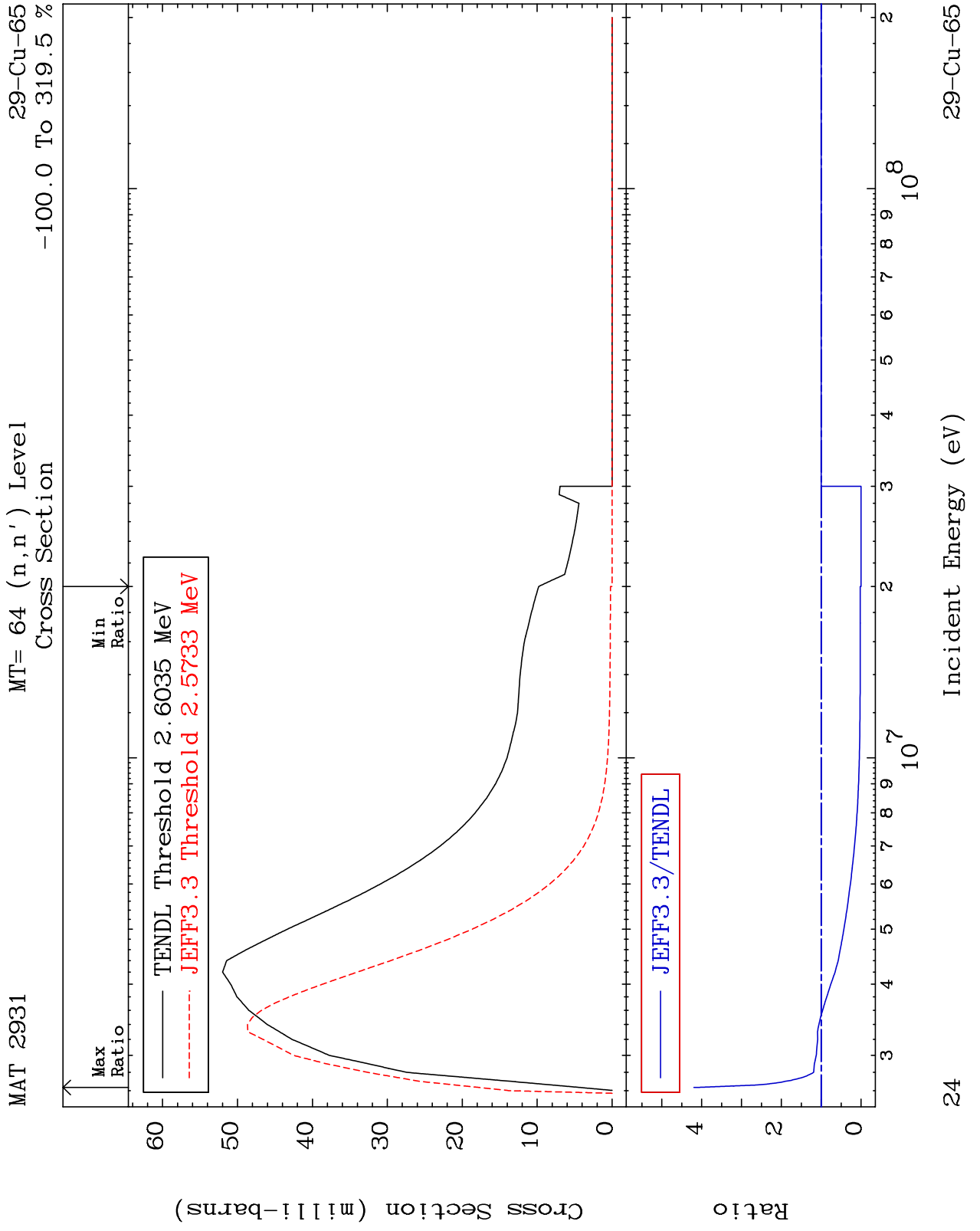


MAT 2931

MT= 63 (n,n') Level
Cross Section

29-Cu-65
-100.0 To 0.000 %





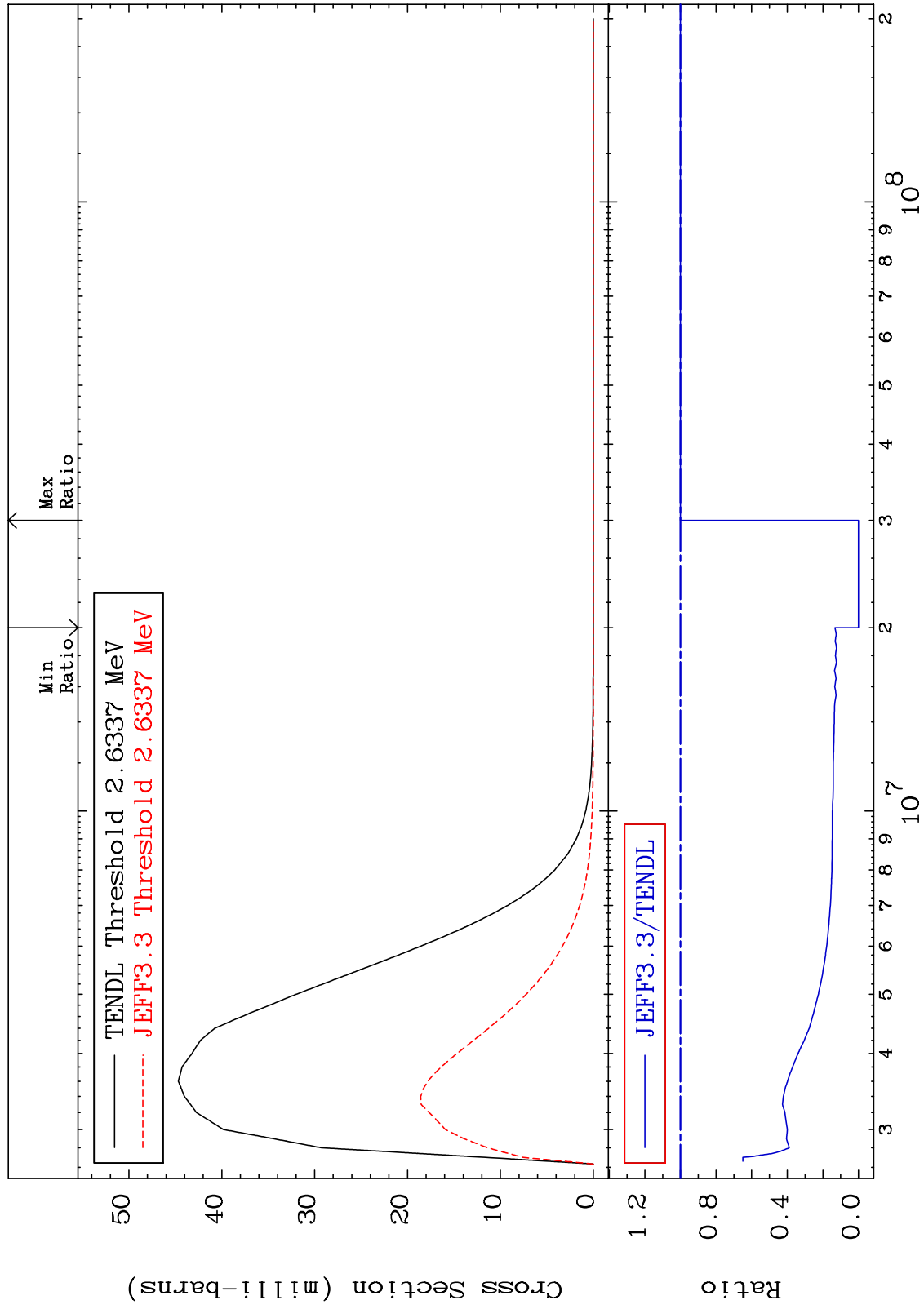
MAT 2931

MT= 65 (n,n') Level

29-Cu-65

-100.0 To 0.000 %

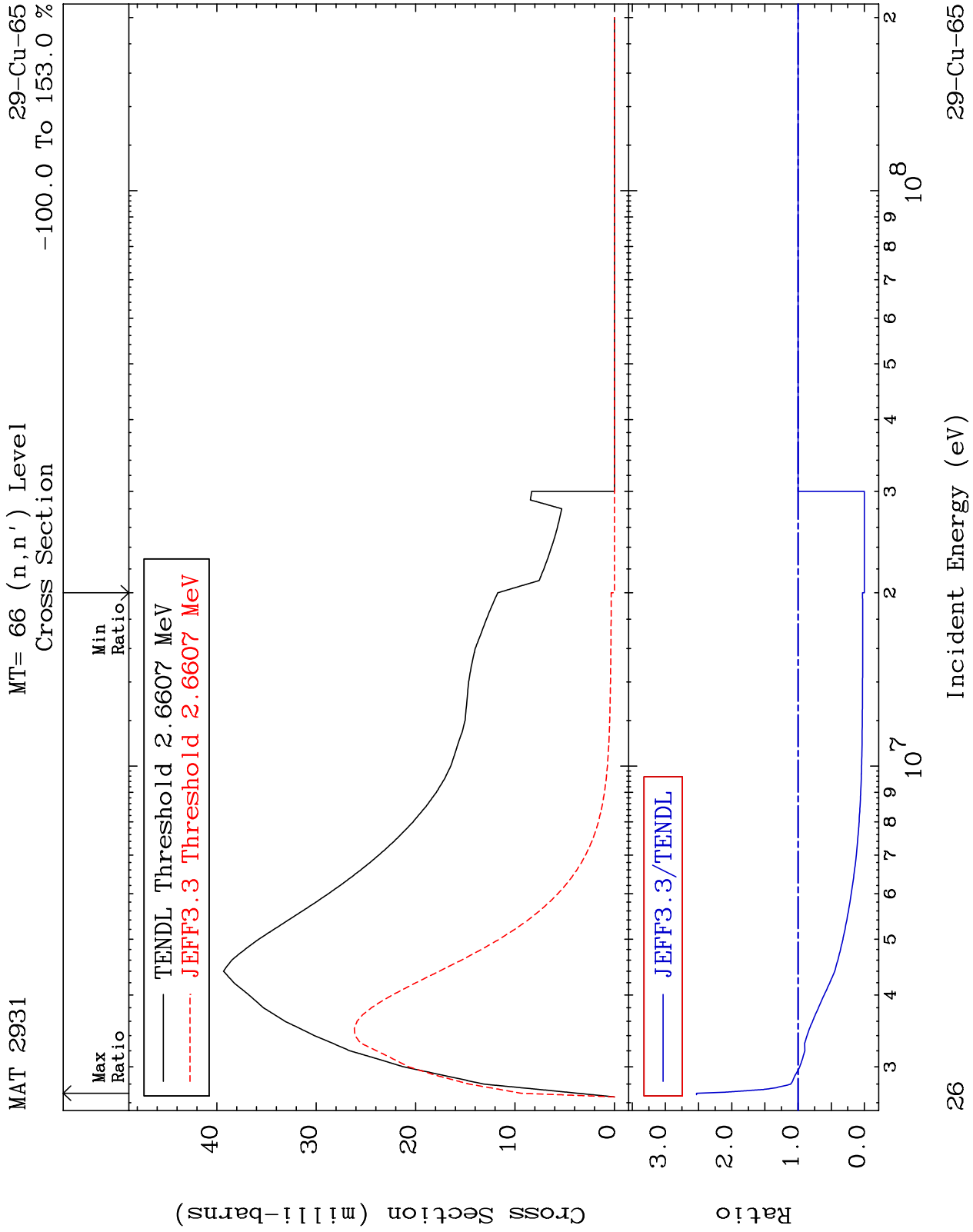
Cross Section



25

Incident Energy (eV)

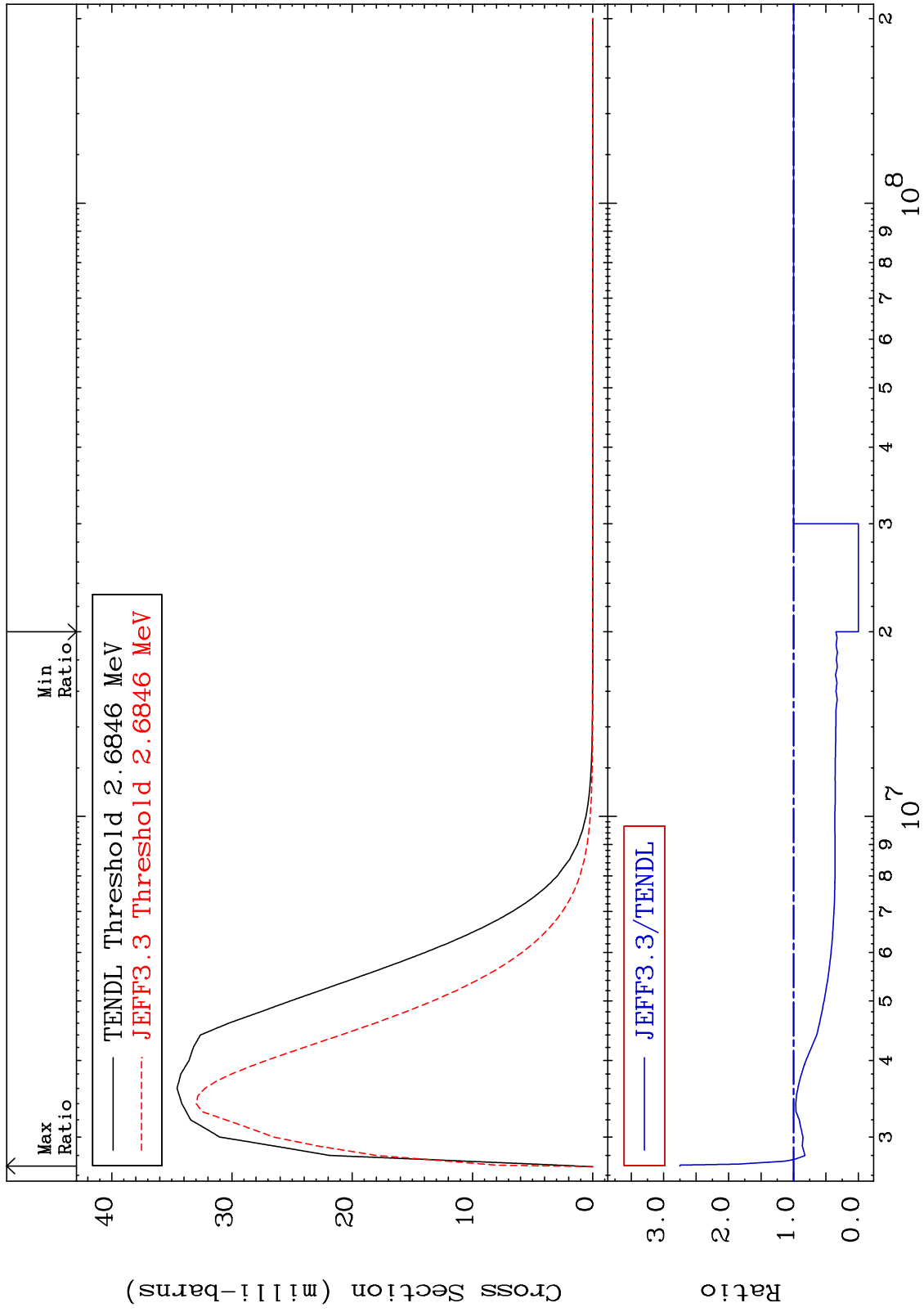
29-Cu-65

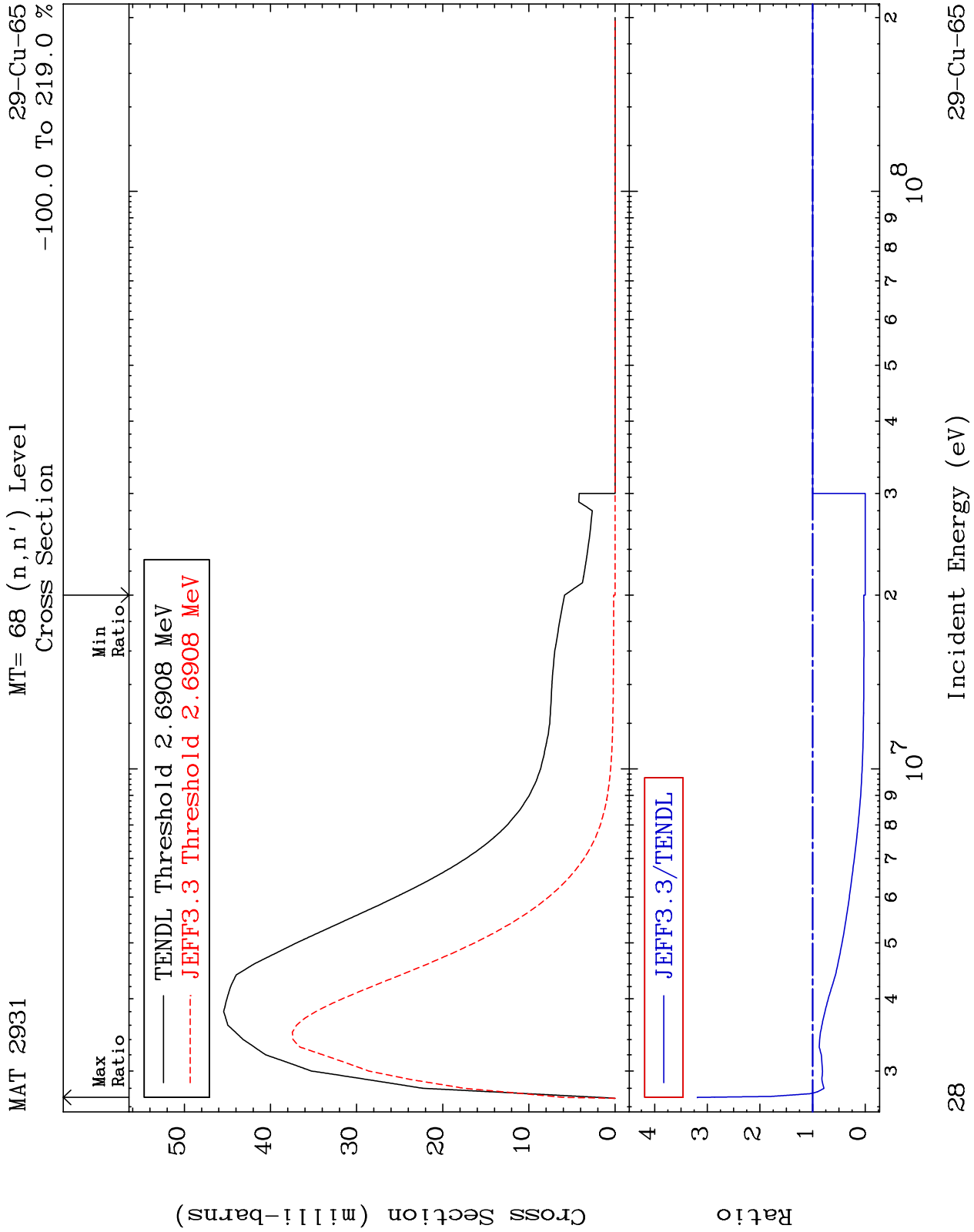


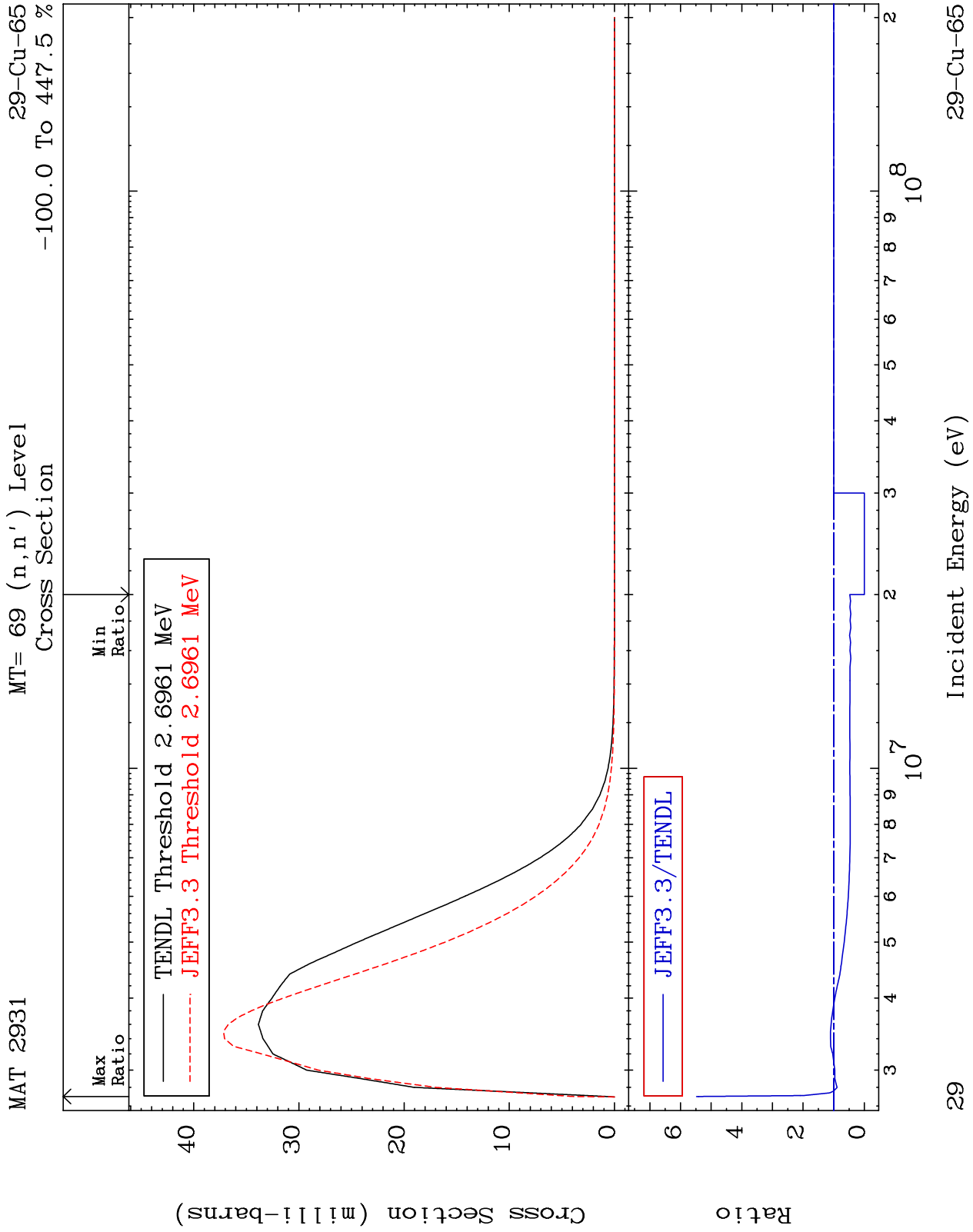
MAT 2931

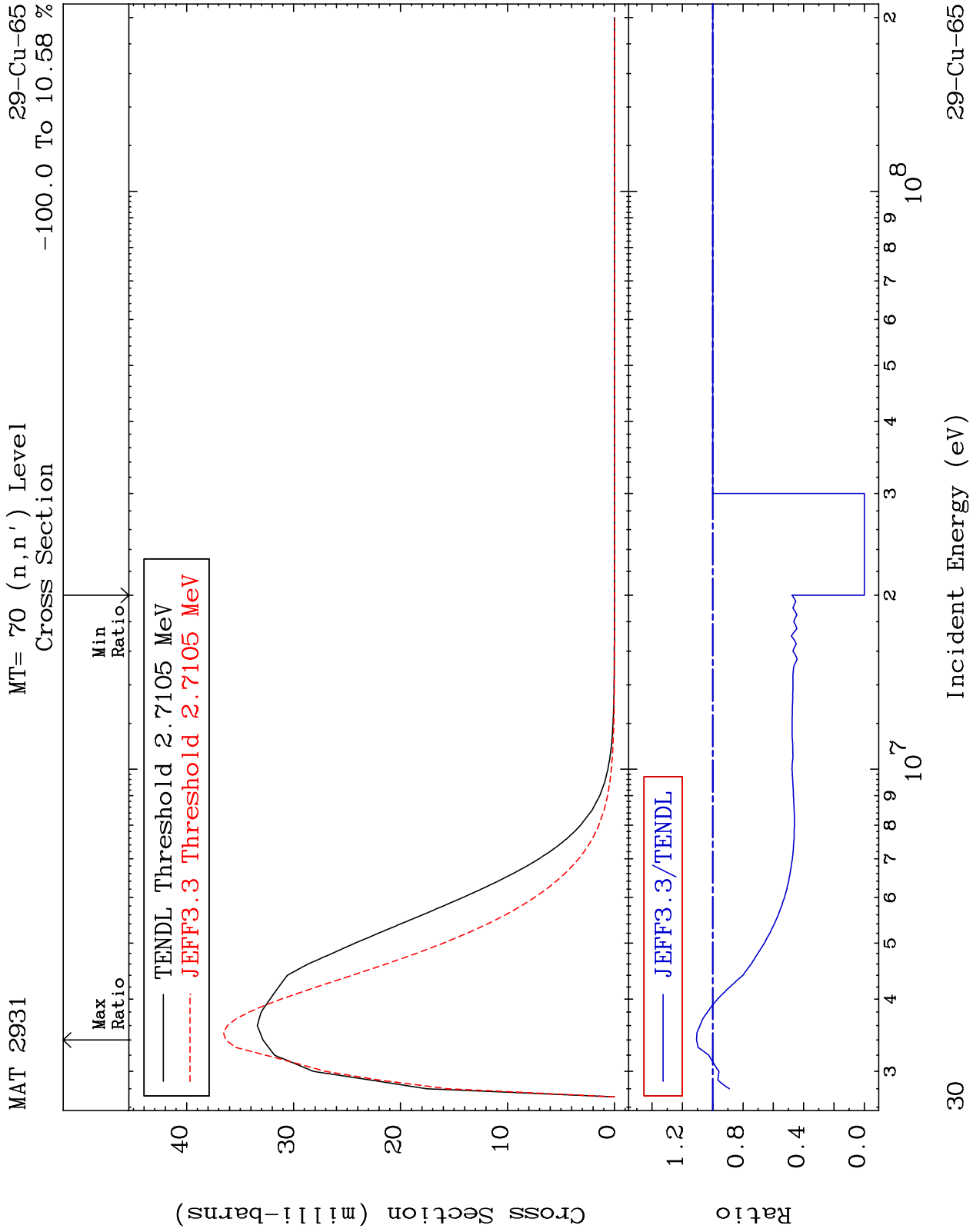
MT= 67 (n,n') Level
Cross Section

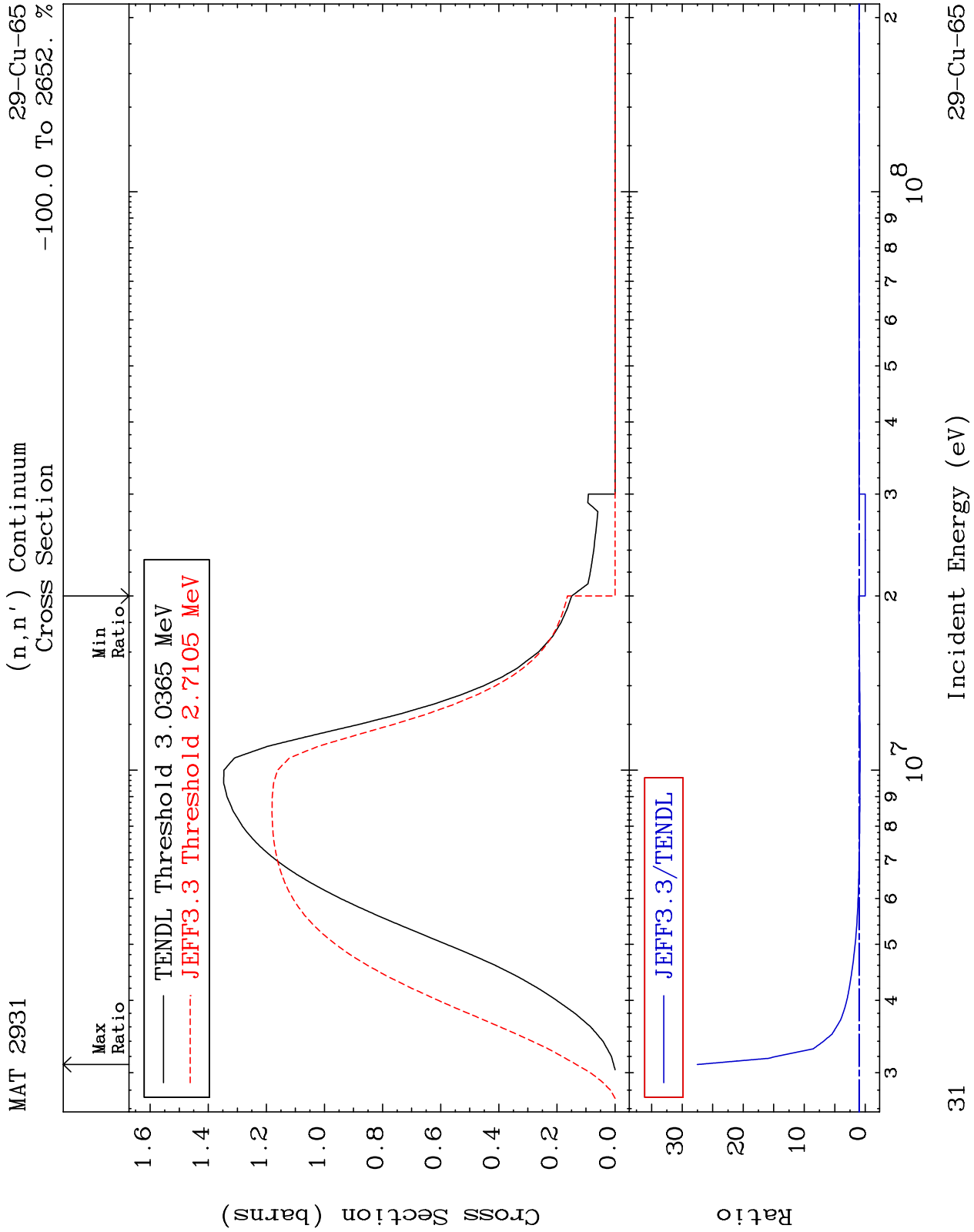
29-Cu-65
-100.0 To 174.8 %











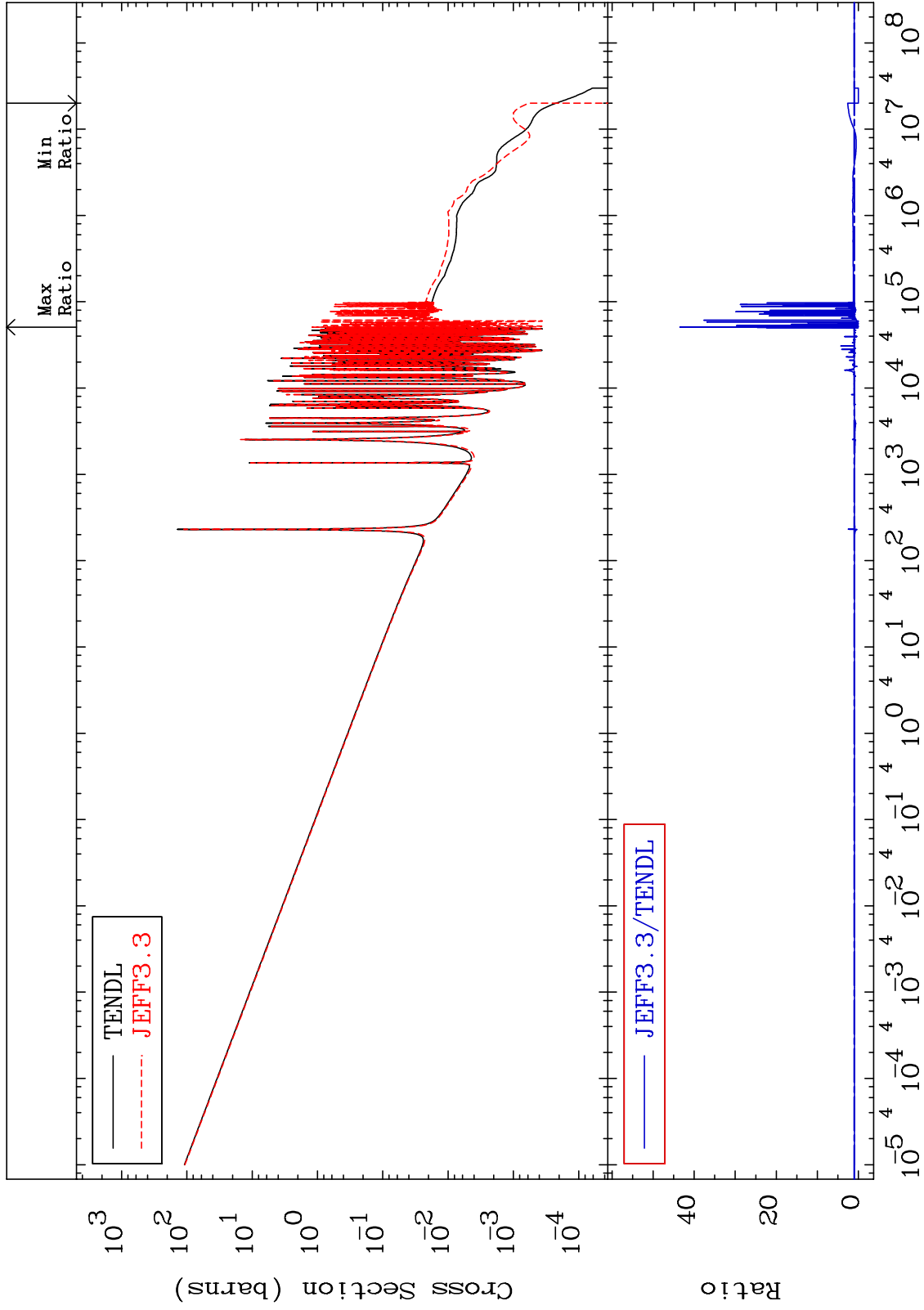
MAT 2931

(n, γ)

29-Cu-65

Cross Section

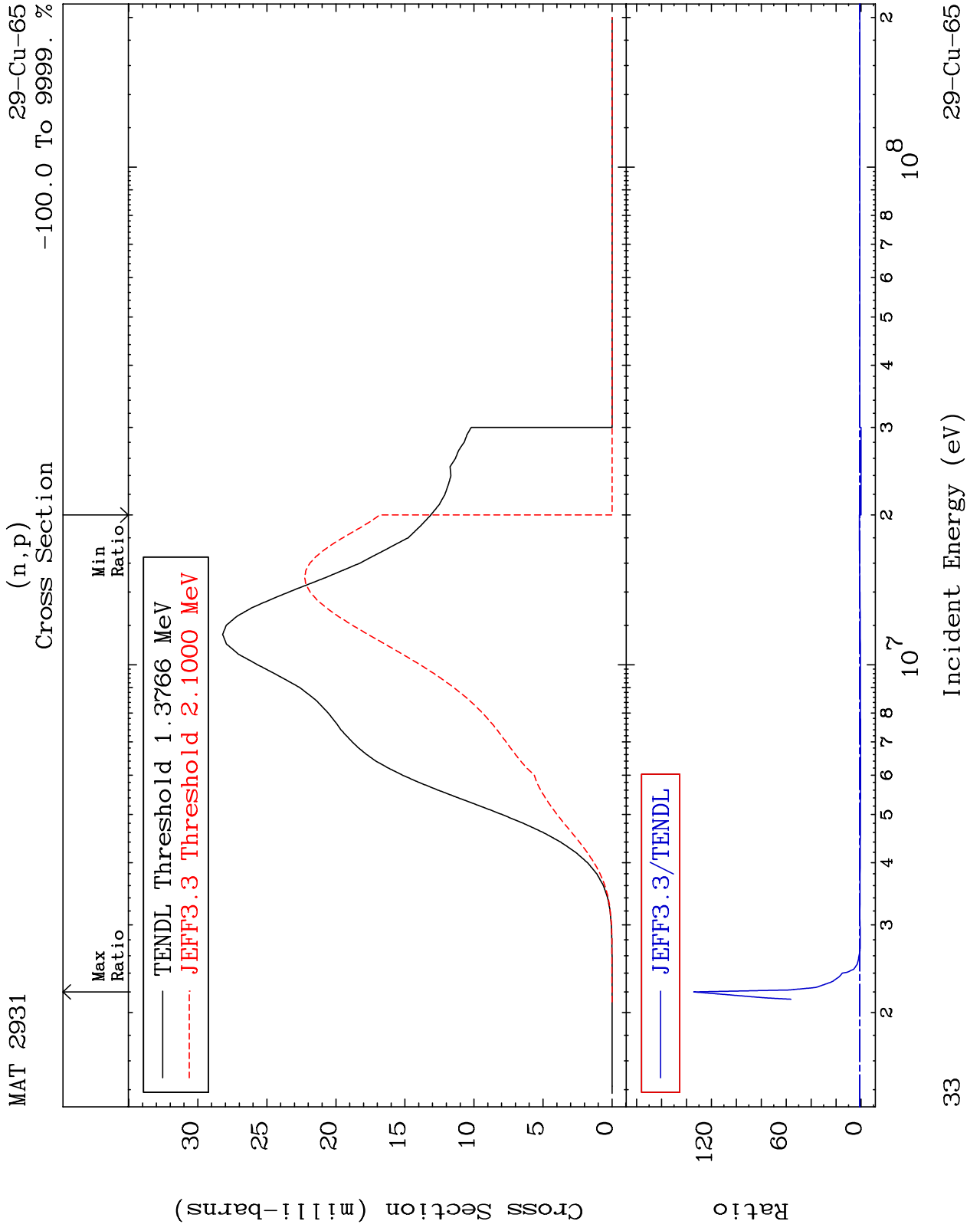
-100.0 To 4245. %



32

Incident Energy (eV)

29-Cu-65



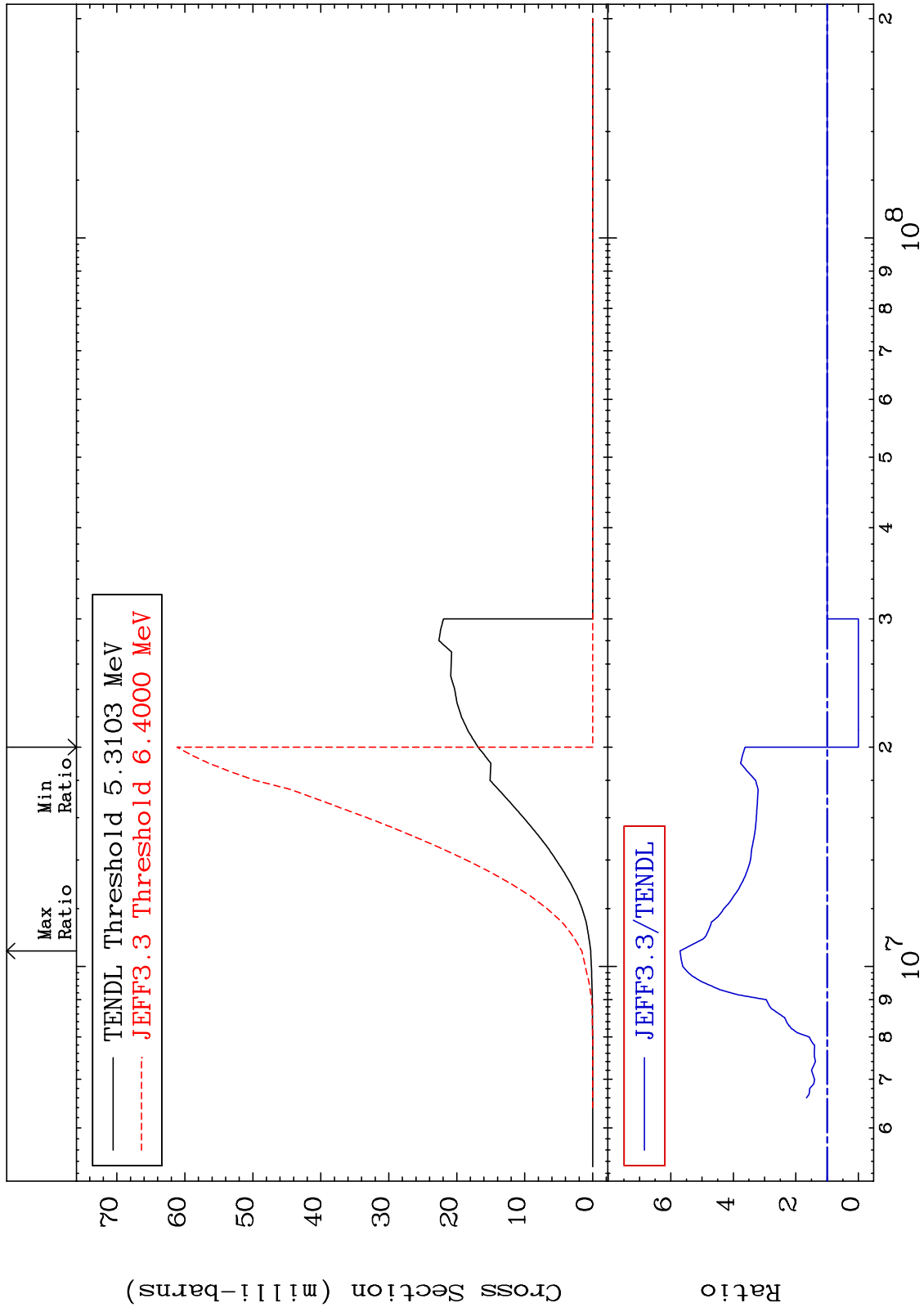
MAT 2931

(n, d)

²⁹-Cu-65

Cross Section

-100.0 To 470.5 %

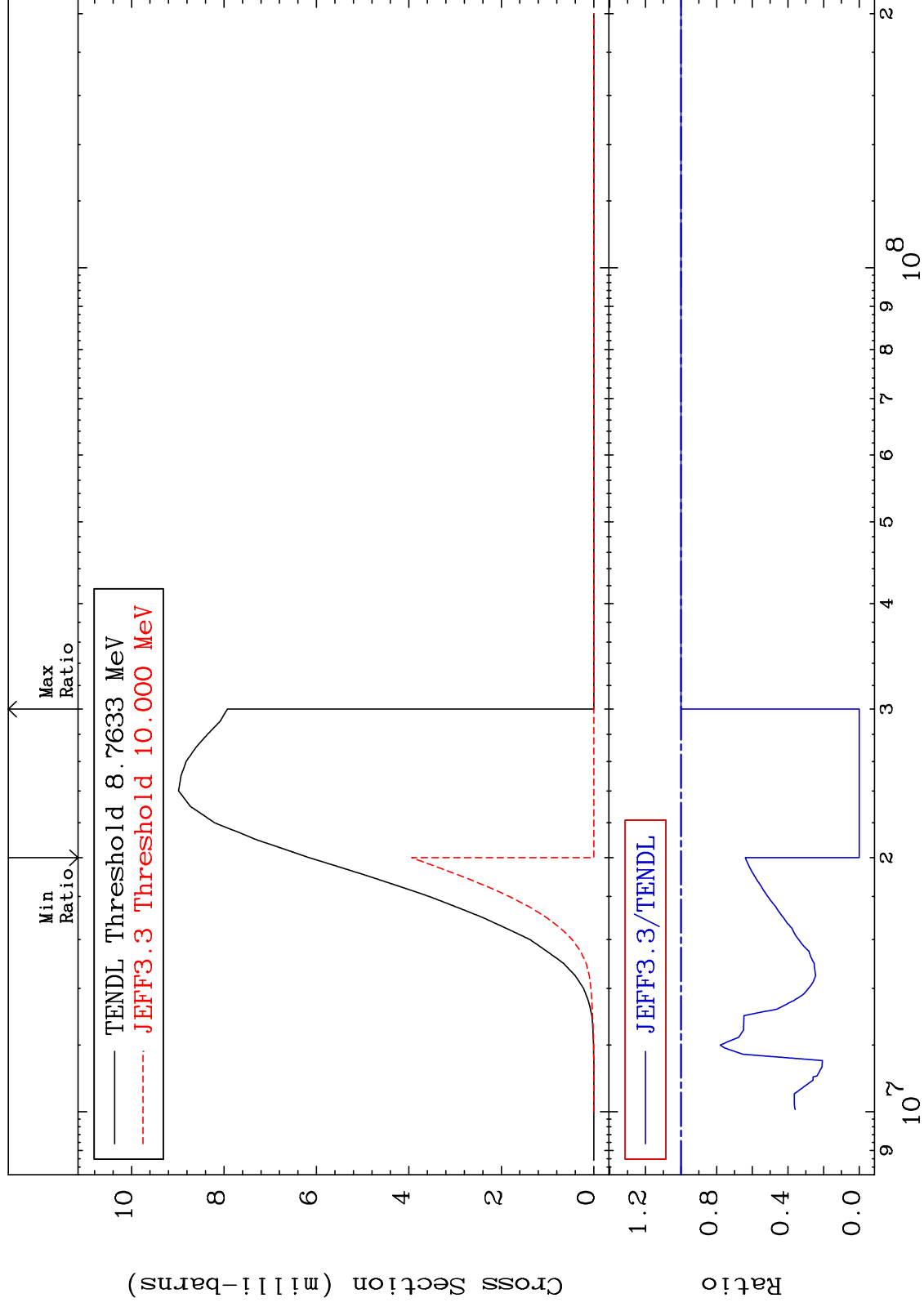


MAT 2931

²⁹Cu-65

(n, t)
Cross Section

-100.0 To 0.000 %



35

Incident Energy (eV)

²⁹Cu-65

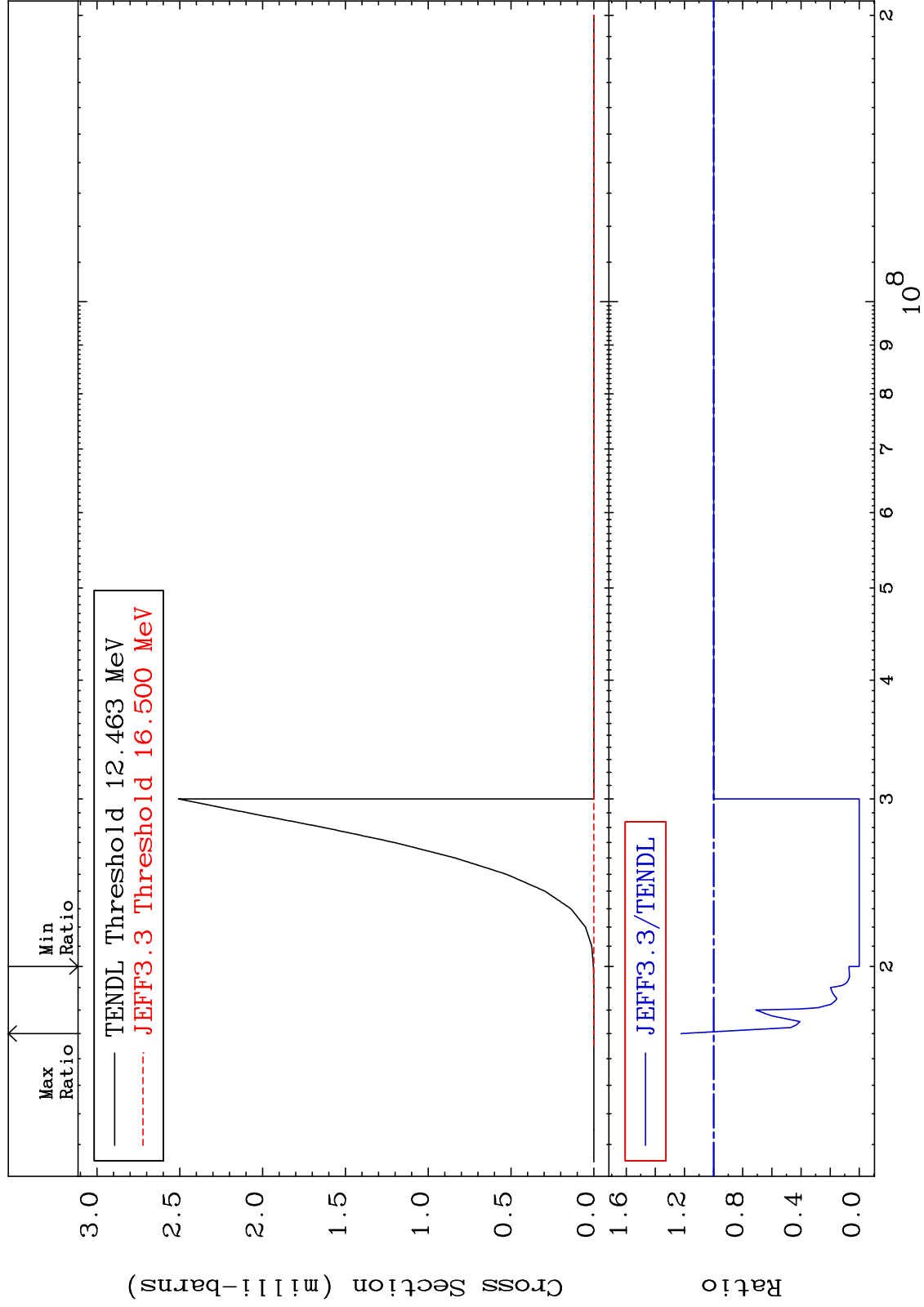
MAT 2931

(n, He-3)

29-Cu-65

Cross Section

-100.0 To 22.34 %



36

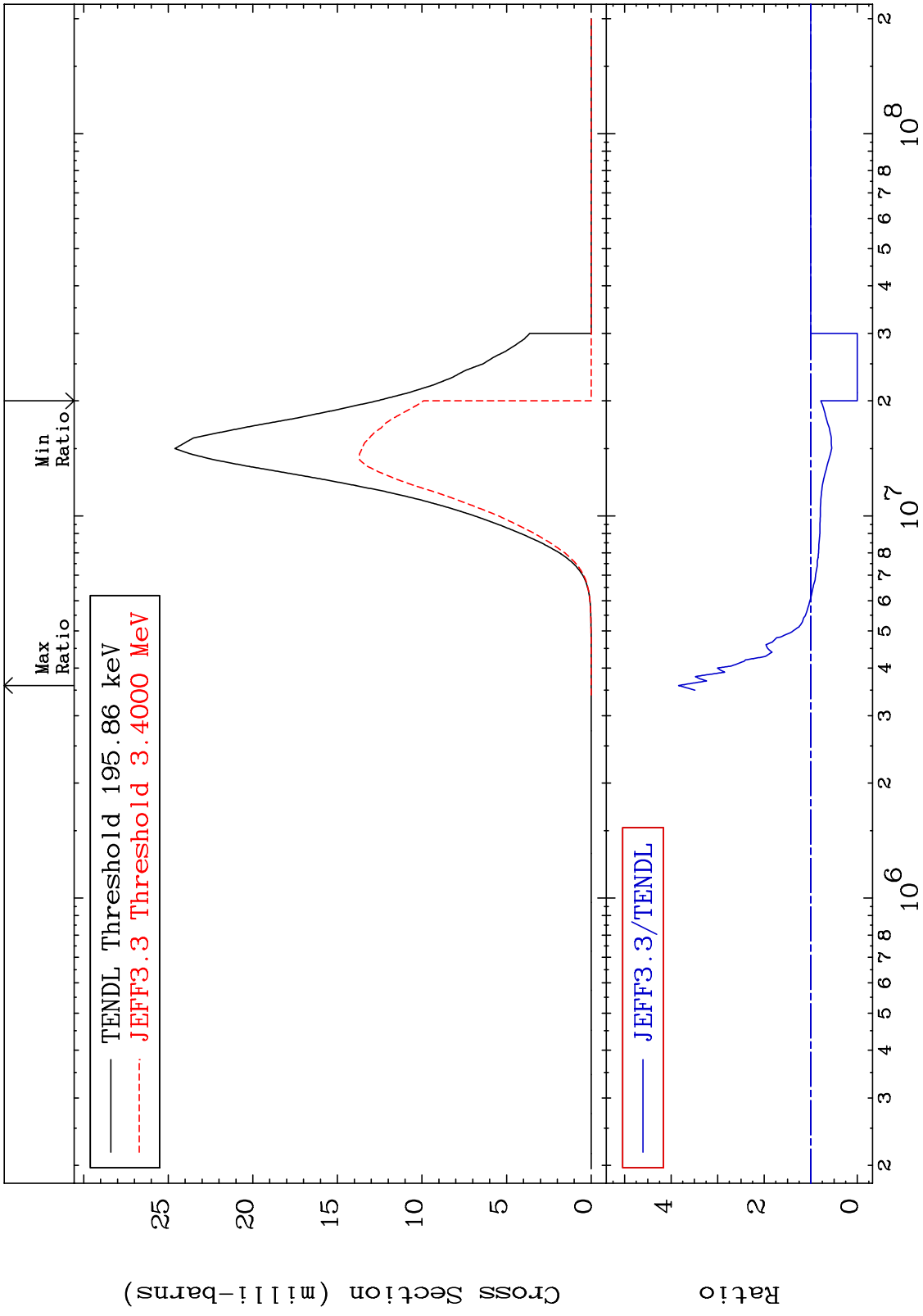
Incident Energy (eV)

29-Cu-65

MAT 2931

²⁹-Cu-65

(n,α)
Cross Section
-100.0 To 283.8 %



37

Incident Energy (eV)

²⁹-Cu-65

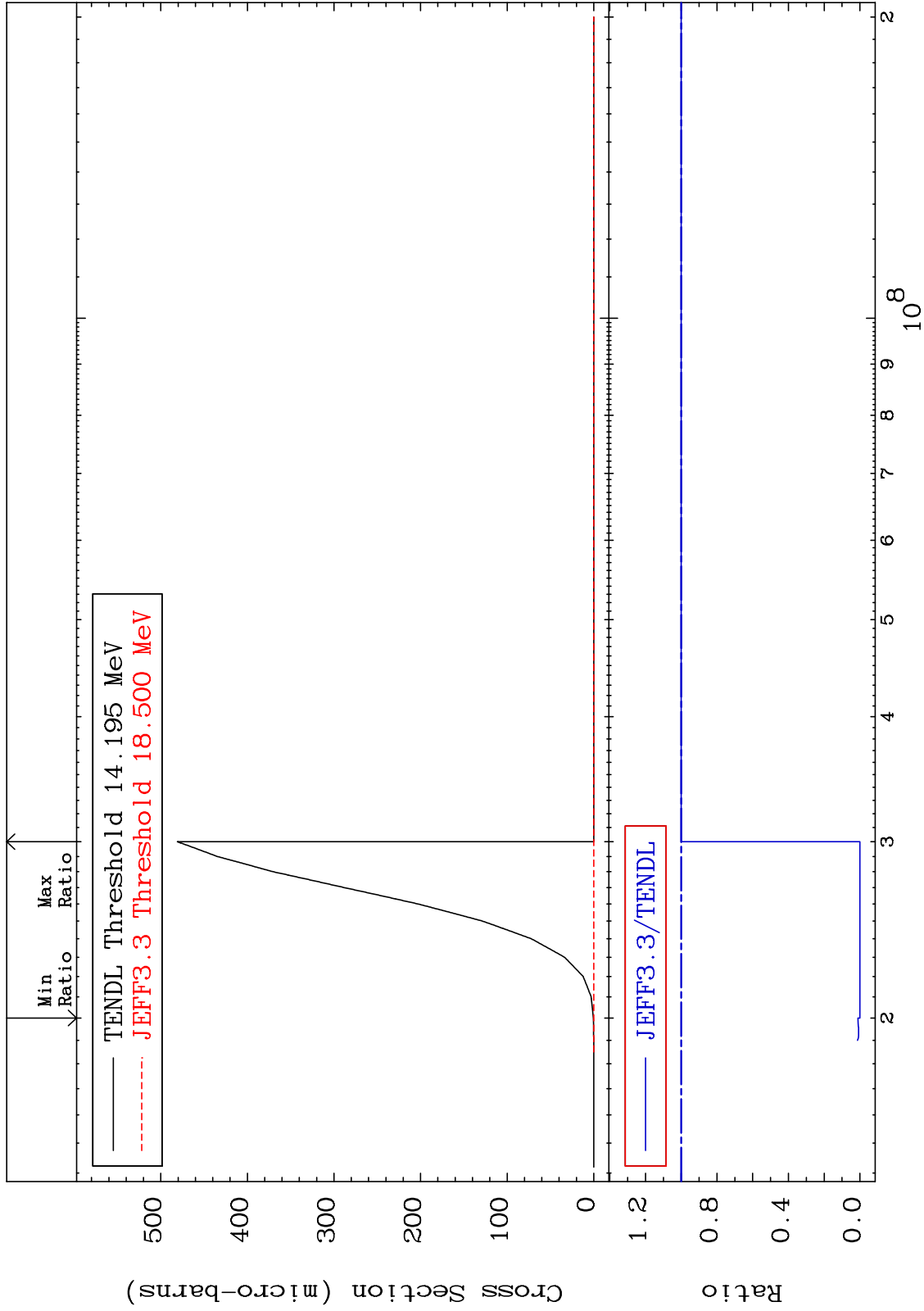
MAT 2931

(n,2p)

²⁹-Cu-65

Cross Section

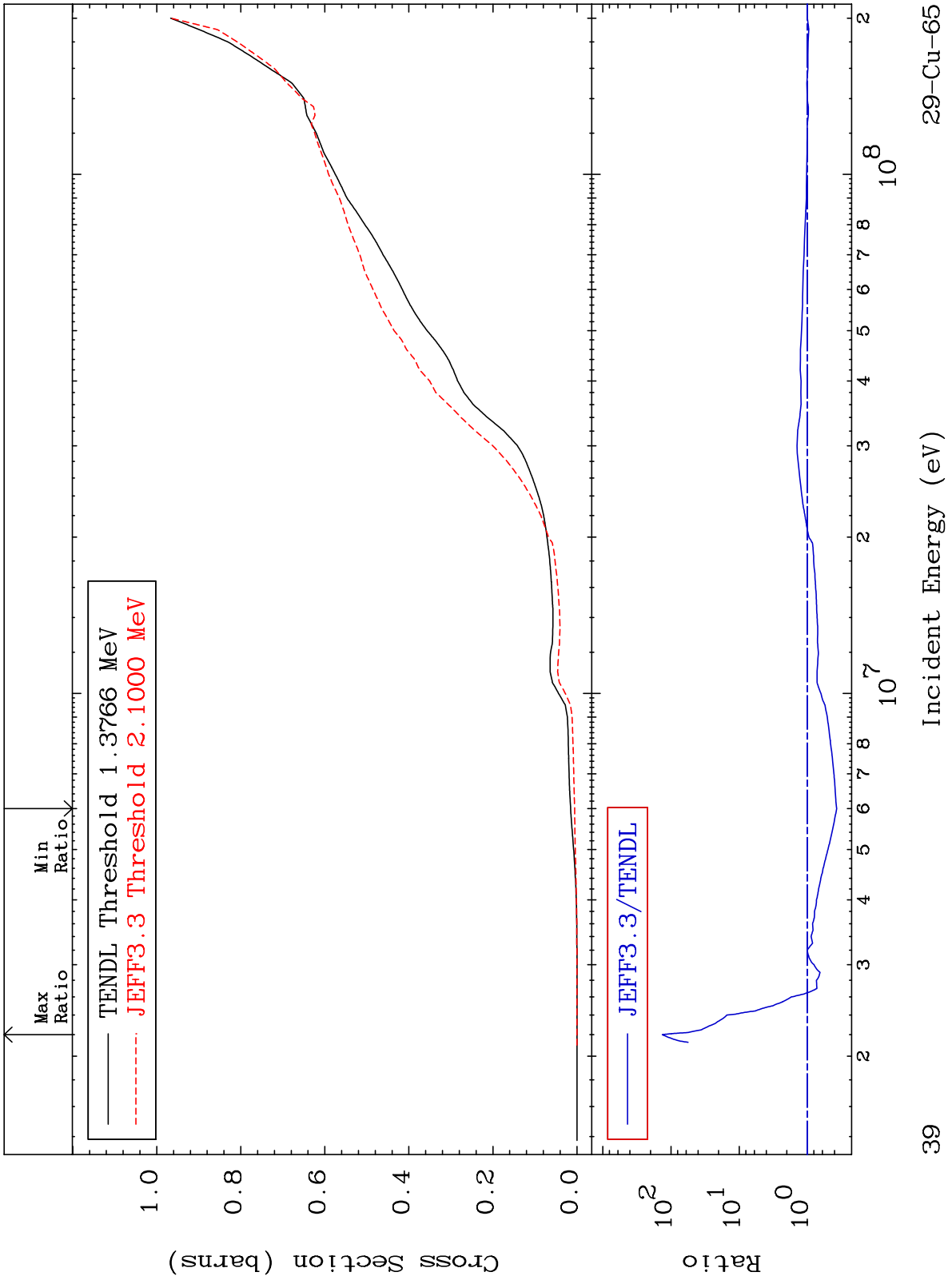
-100.0 To 0.000 %



MAT 2931

Hydrogen Production
Cross Section

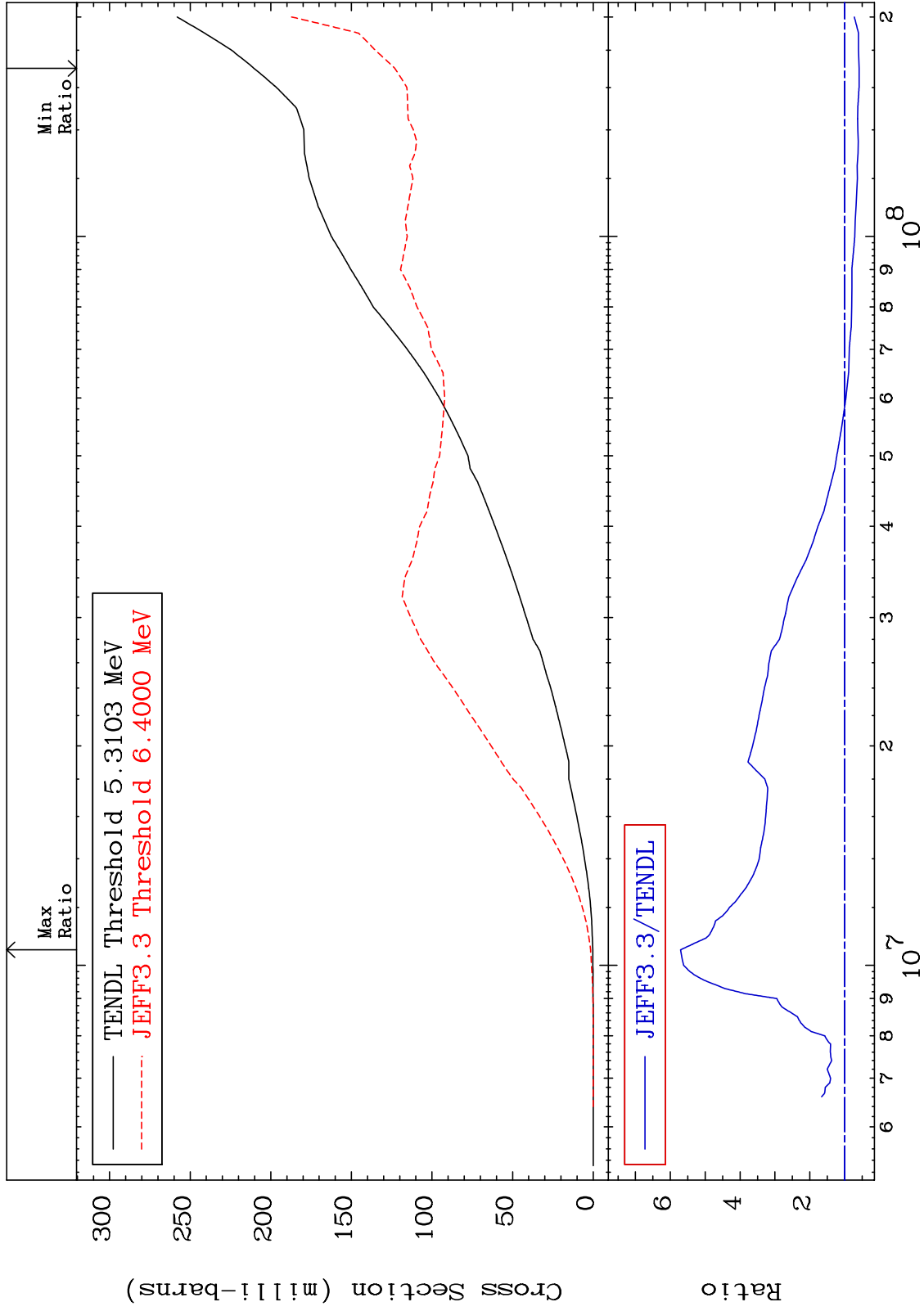
29-Cu-65
-62.91 To 9999. %



MAT 2931

Deuterium Production
Cross Section

29-Cu-65
-41.53 To 470.5 %



40

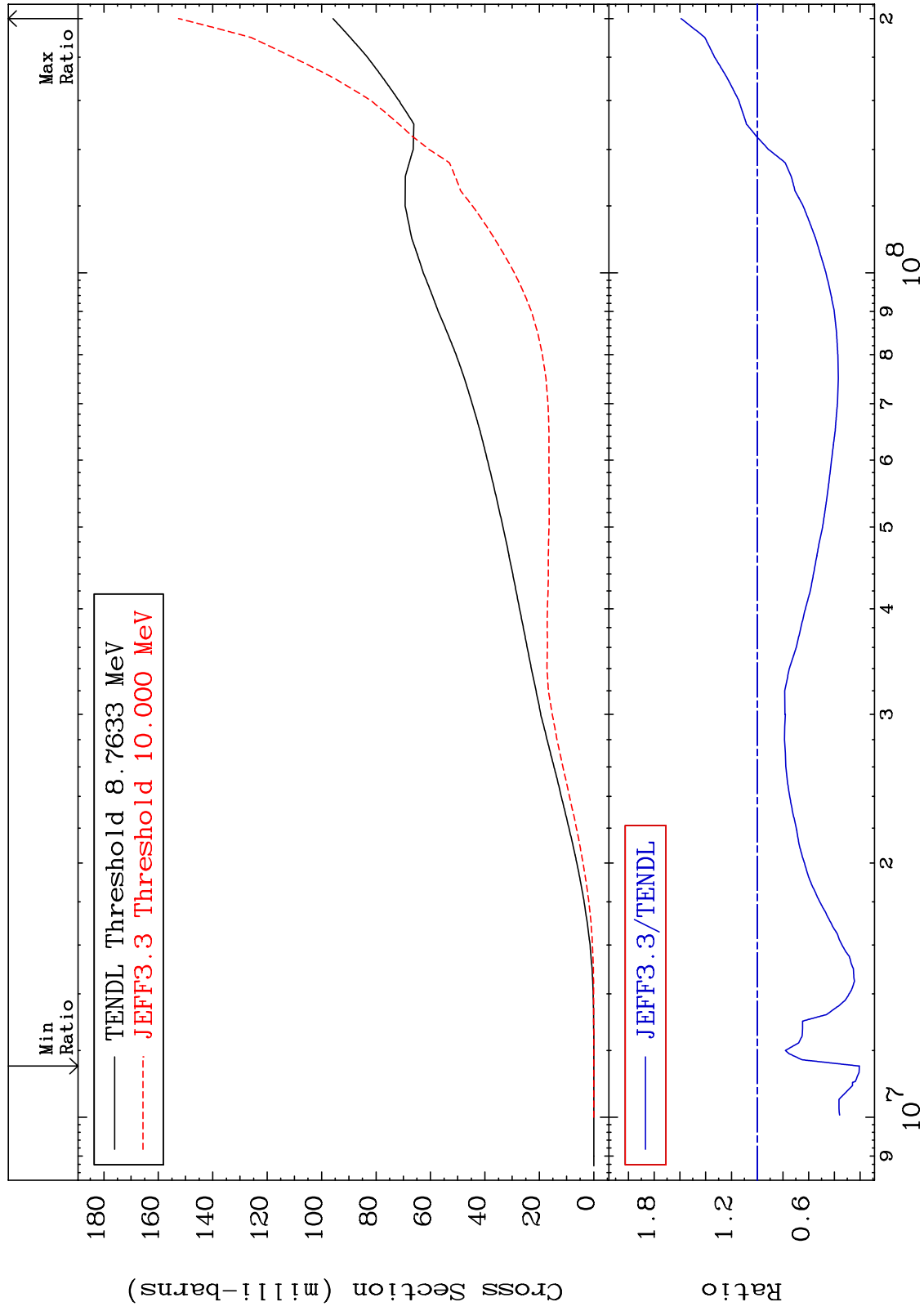
Incident Energy (eV)

29-Cu-65

MAT 2931

Tritium Production
Cross Section

$^{29}\text{Cu-65}$
-79.34 To 59.17 %



41

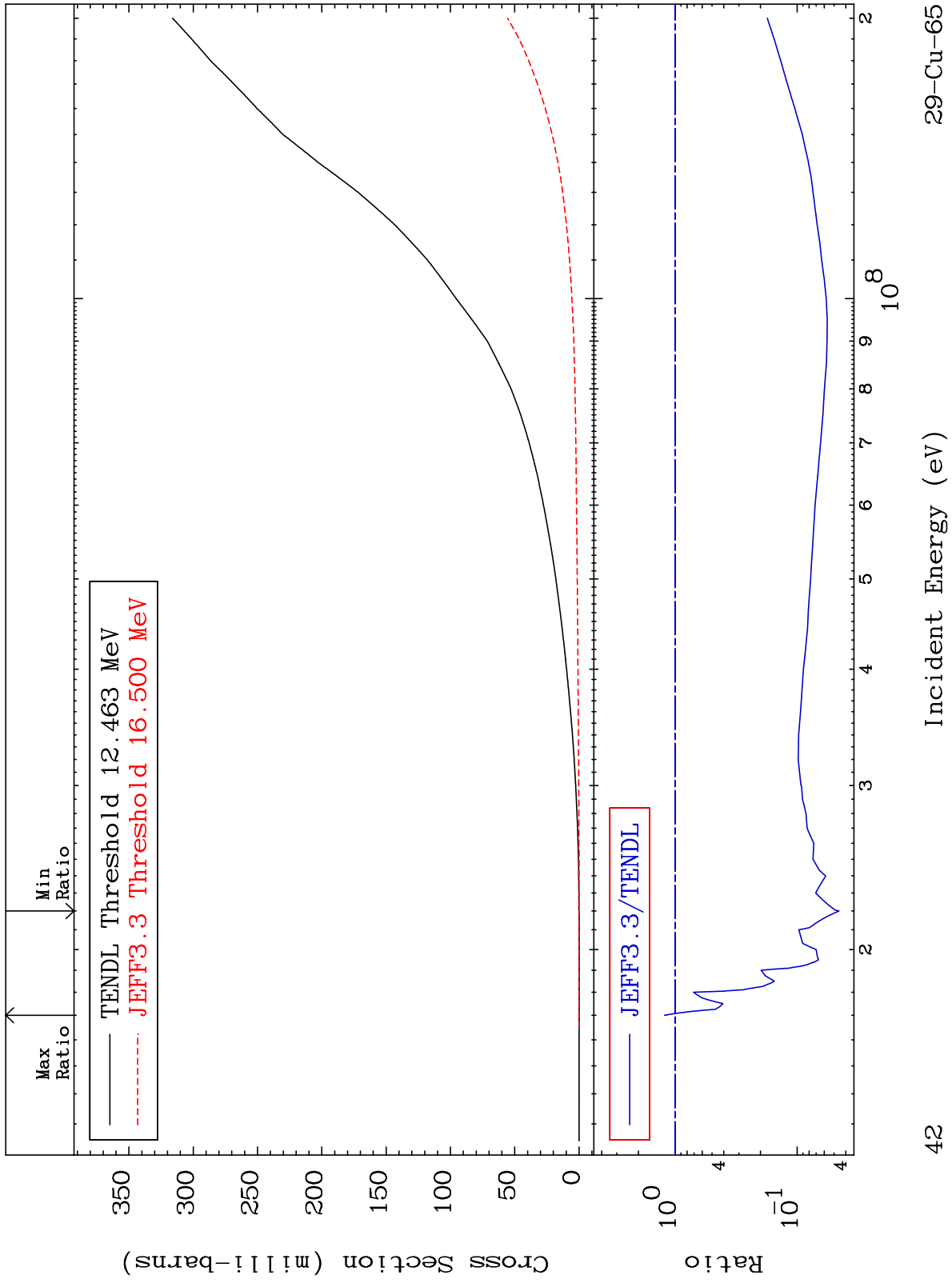
Incident Energy (eV)

$^{29}\text{Cu-65}$

MAT 2931

He-3 Production
Cross Section

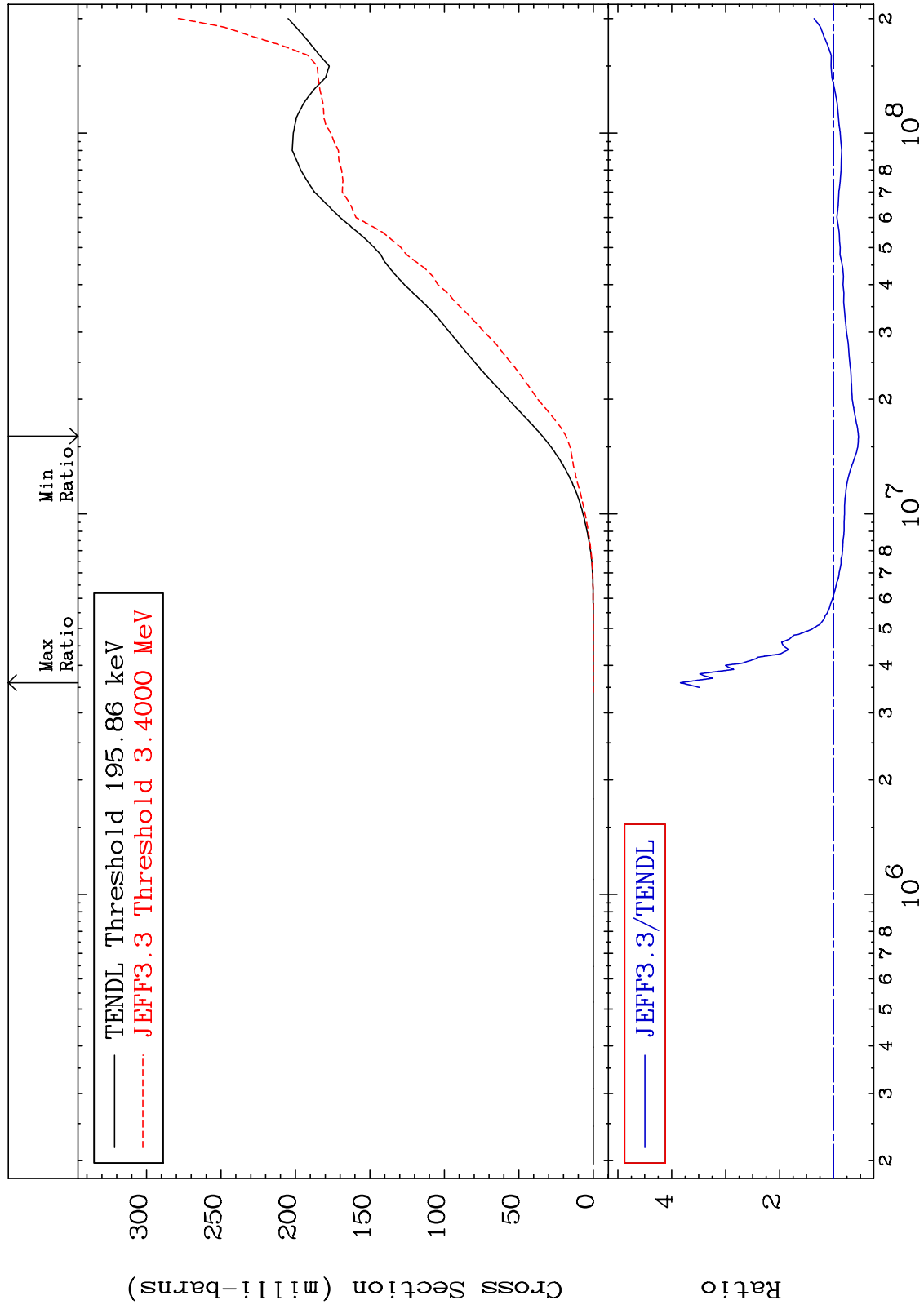
29-Cu-65
-95.45 To 22.34 %



MAT 2931

He-4 Production
Cross Section

29-Cu-65
-46.41 To 283.8 %



43

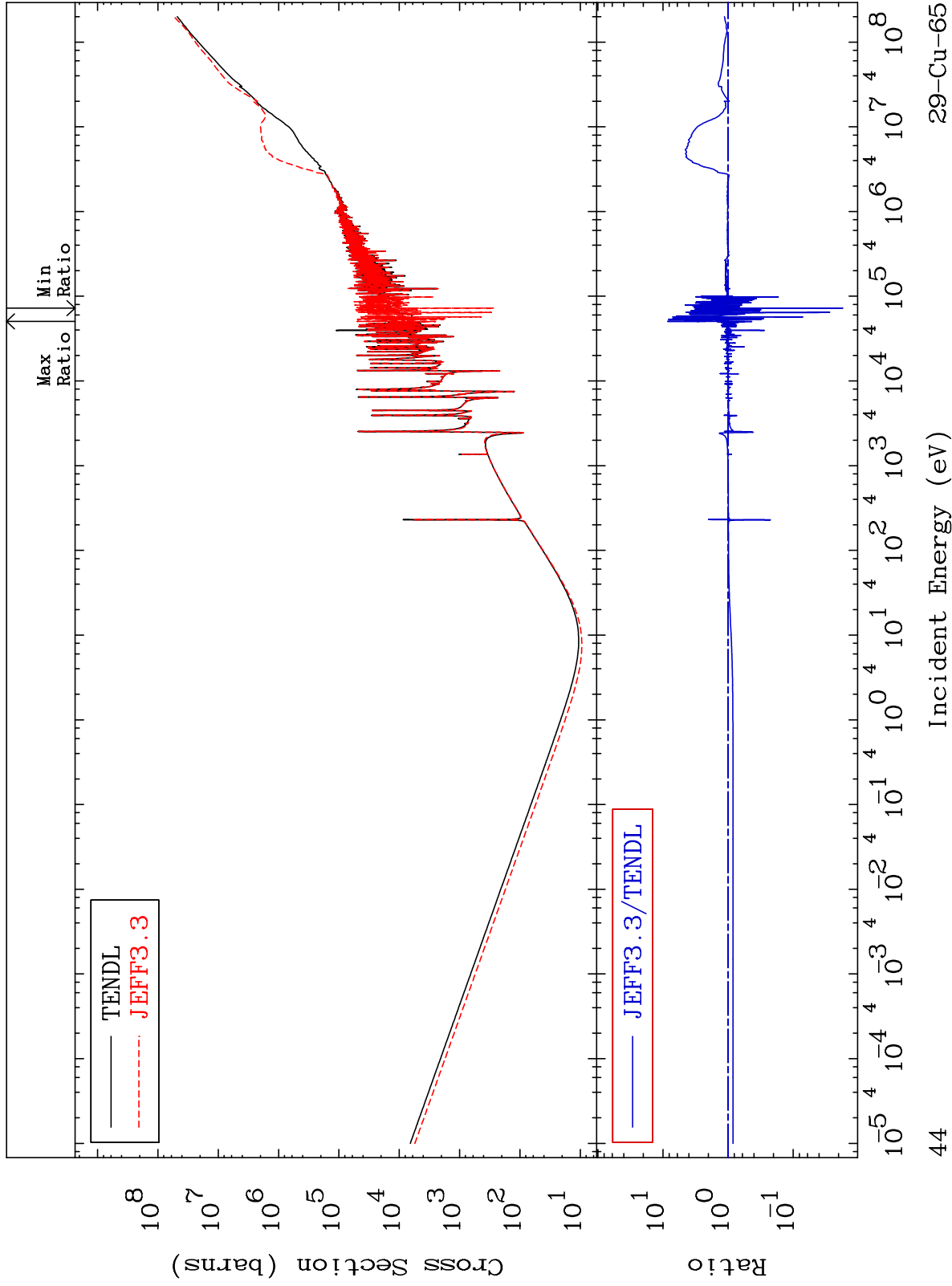
Incident Energy (eV)

29-Cu-65

MAT 2931

Kerma total (eV-barns)
Cross Section

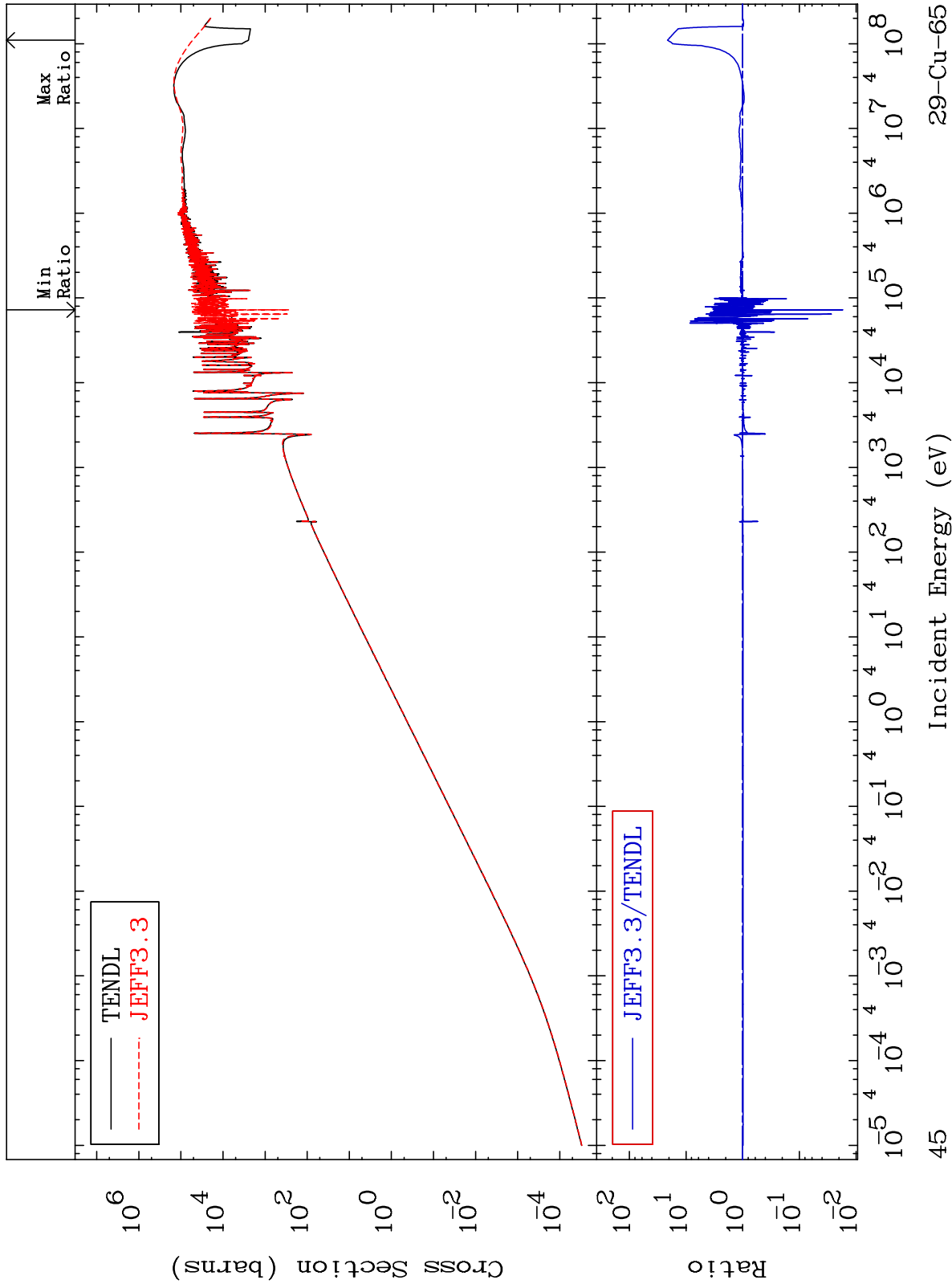
29-Cu-65
-98.27 To 749.4 %



MAT 2931

Kerma elastic
Cross Section

29-Cu-65
-98.27 To 2020. %



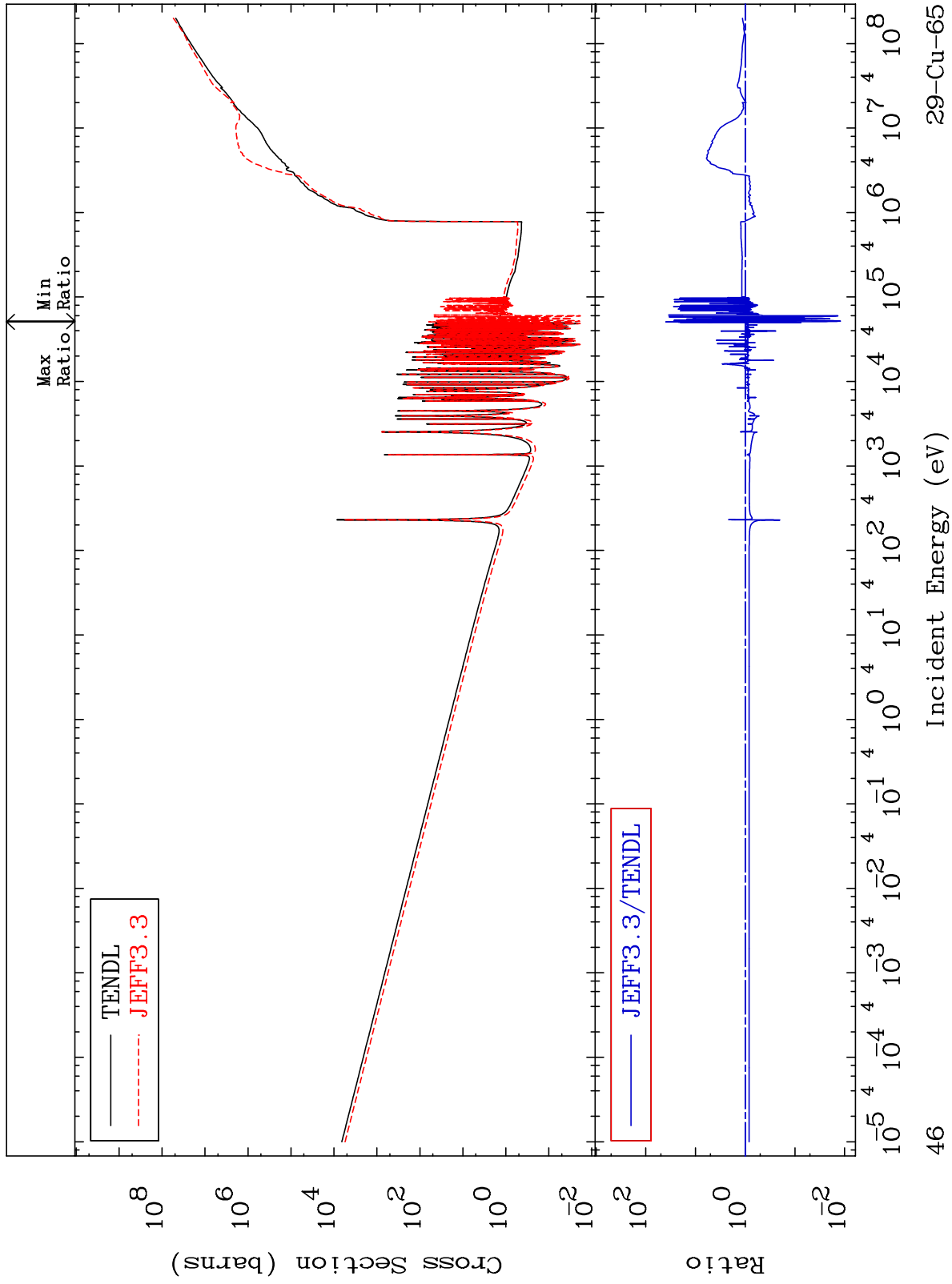
45

29-Cu-65

MAT 2931

Kerma non-elastic (all but mt2)
Cross Section

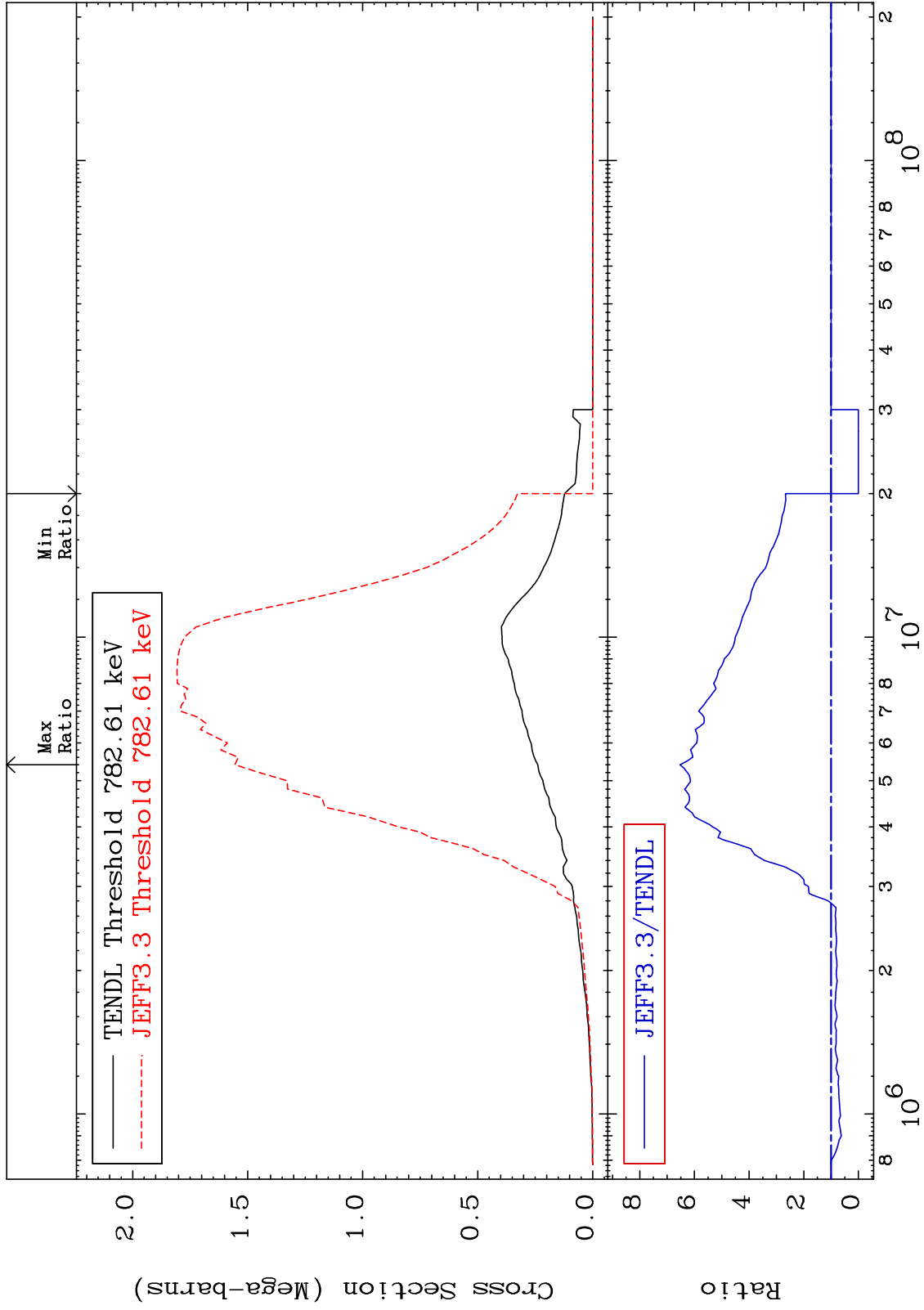
29-Cu-65
-98.79 To 3851. %



MAT 2931

Kerma inelastic (mt51-91)
Cross Section

29-Cu-65
-100.0 To 552.8 %

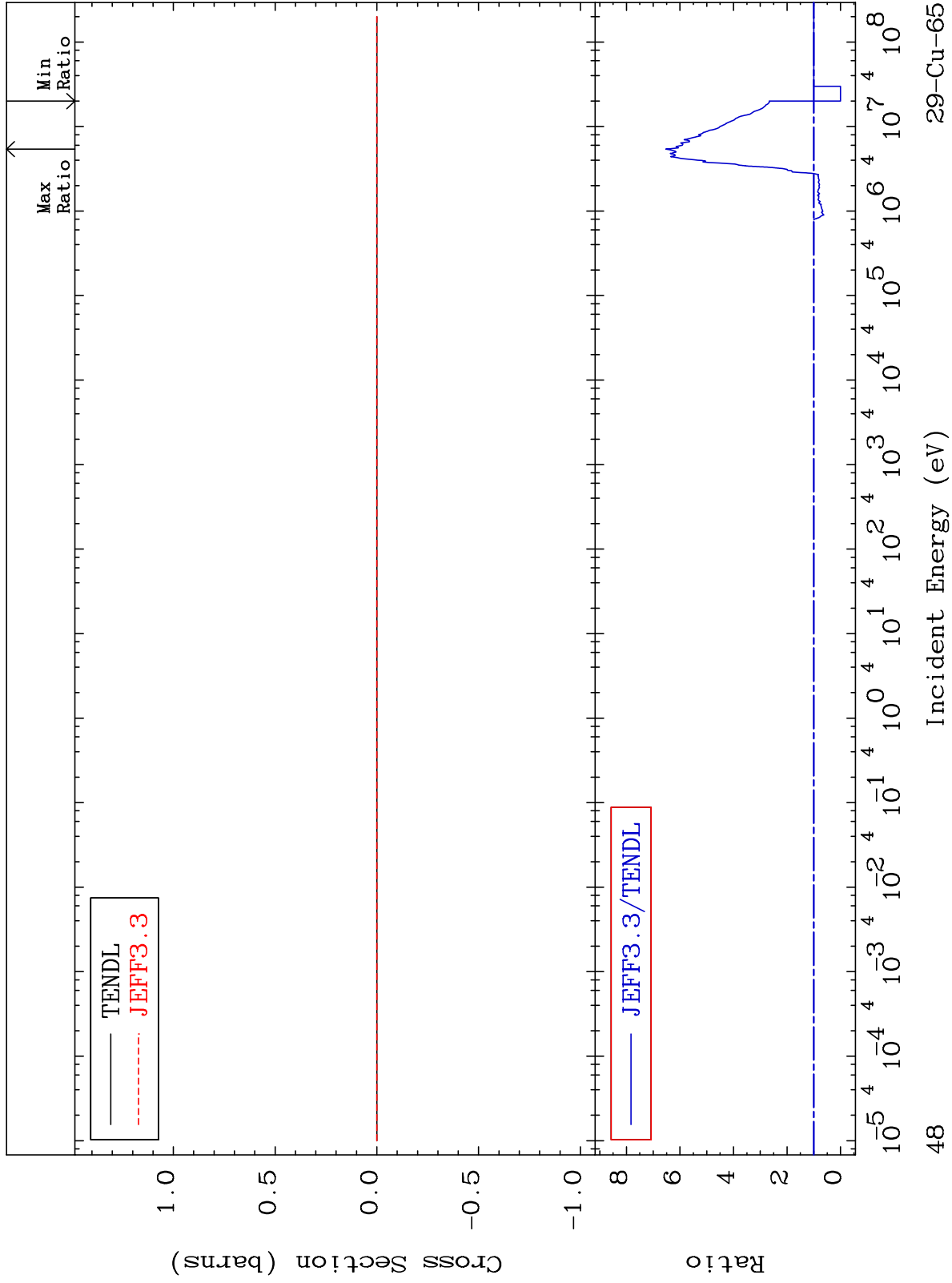


47

MAT 2931

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

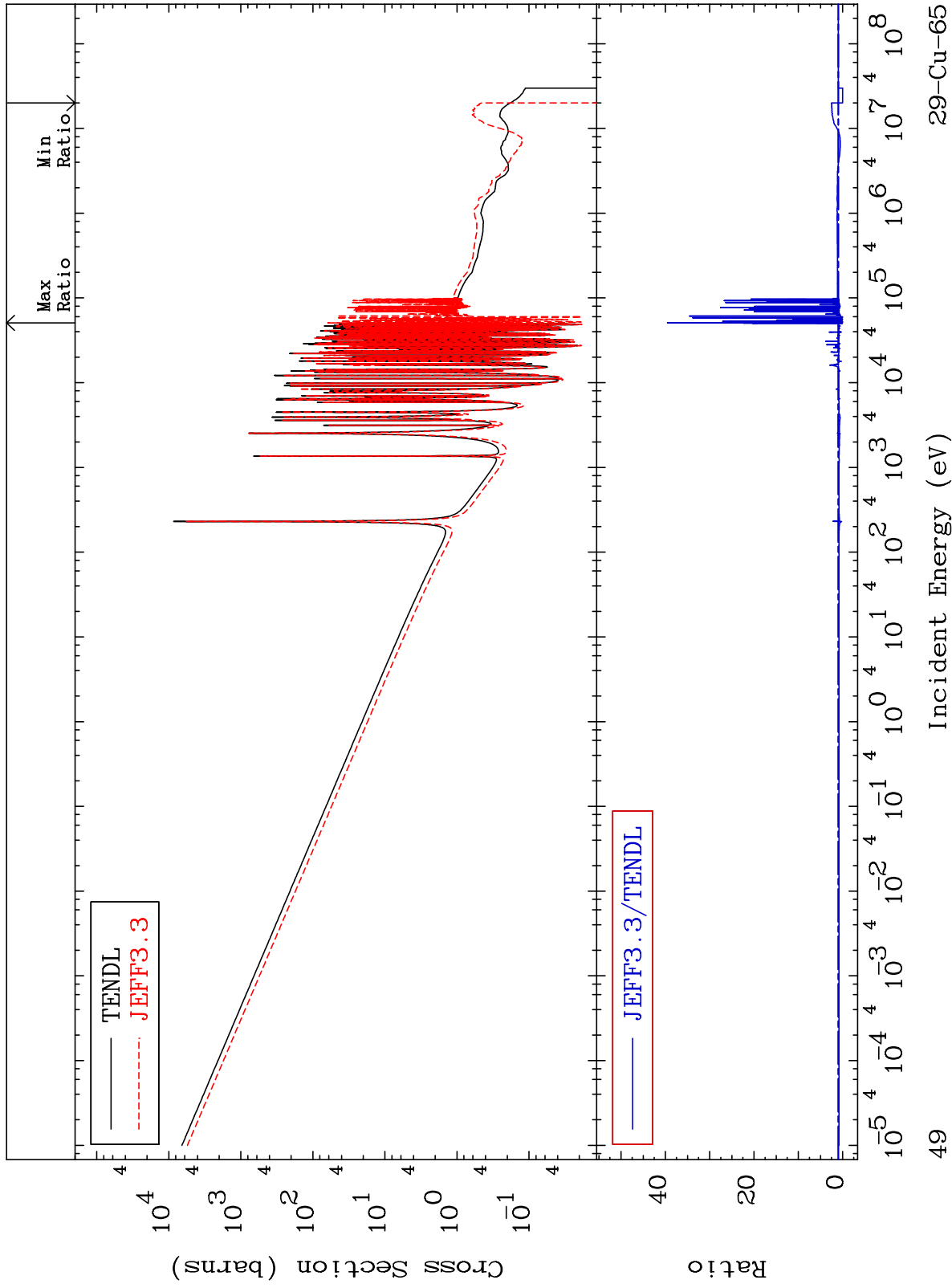
29-Cu-65
-100.0 To 552.8 %



MAT 2931

Kerma capture (mt102)
Cross Section

29-Cu-65
-100.0 To 3851. %



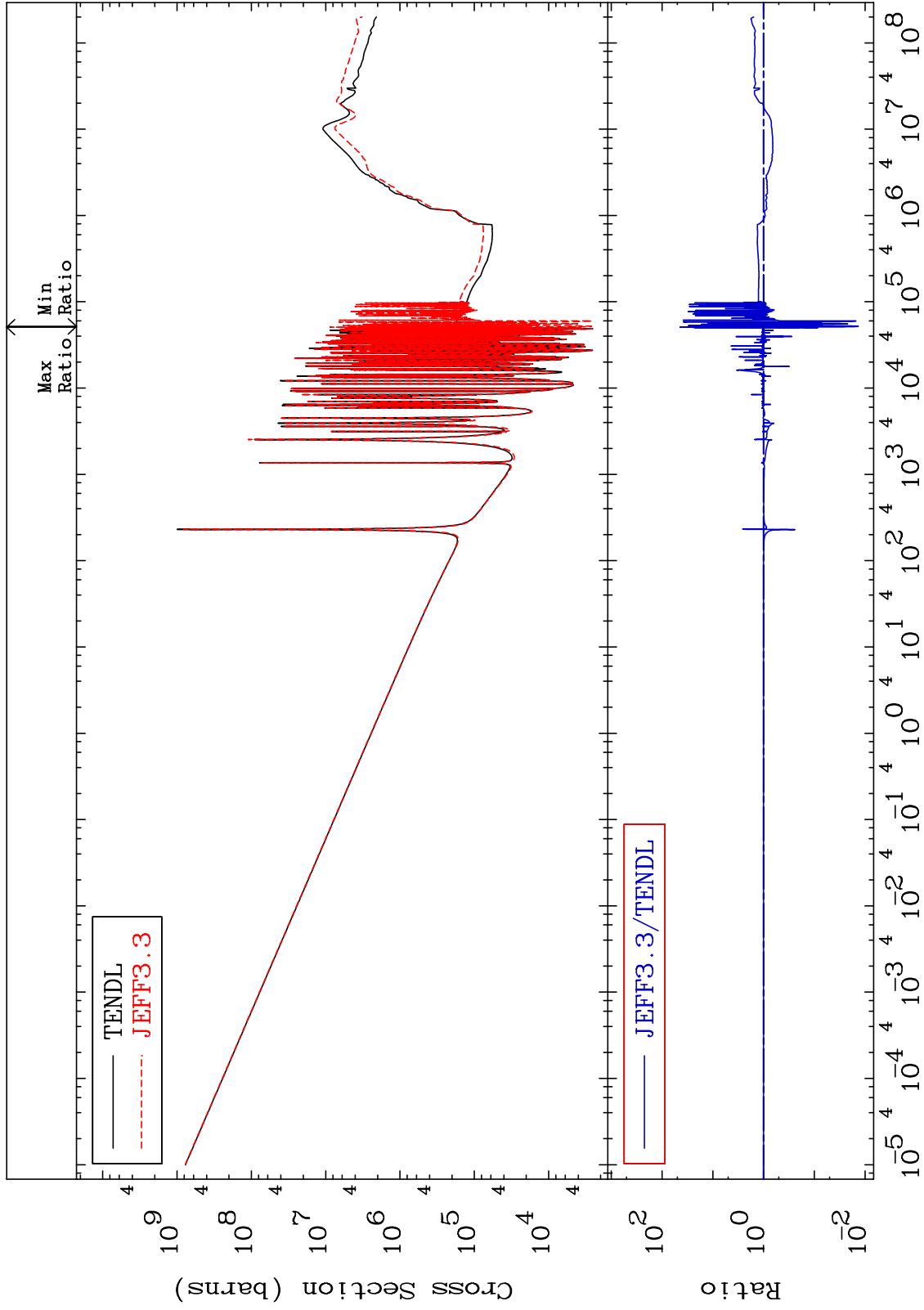
49

29-Cu-65

MAT 2931

Total photon (eV-barns)
Cross Section

29-Cu-65
-98.65 To 4326. %



50

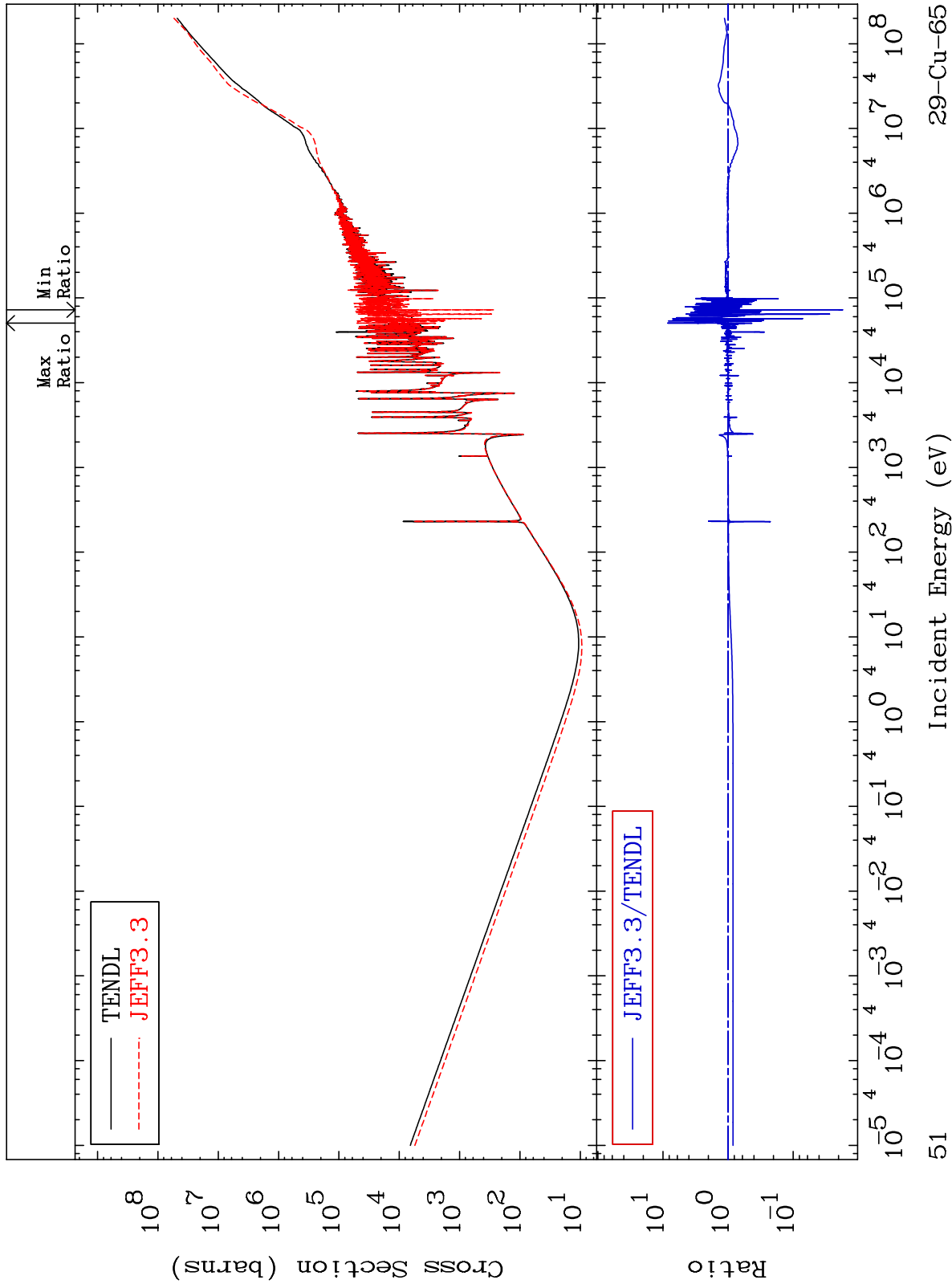
Incident Energy (eV)

29-Cu-65

MAT 2931

Total kinematic kerma (high limit)
Cross Section

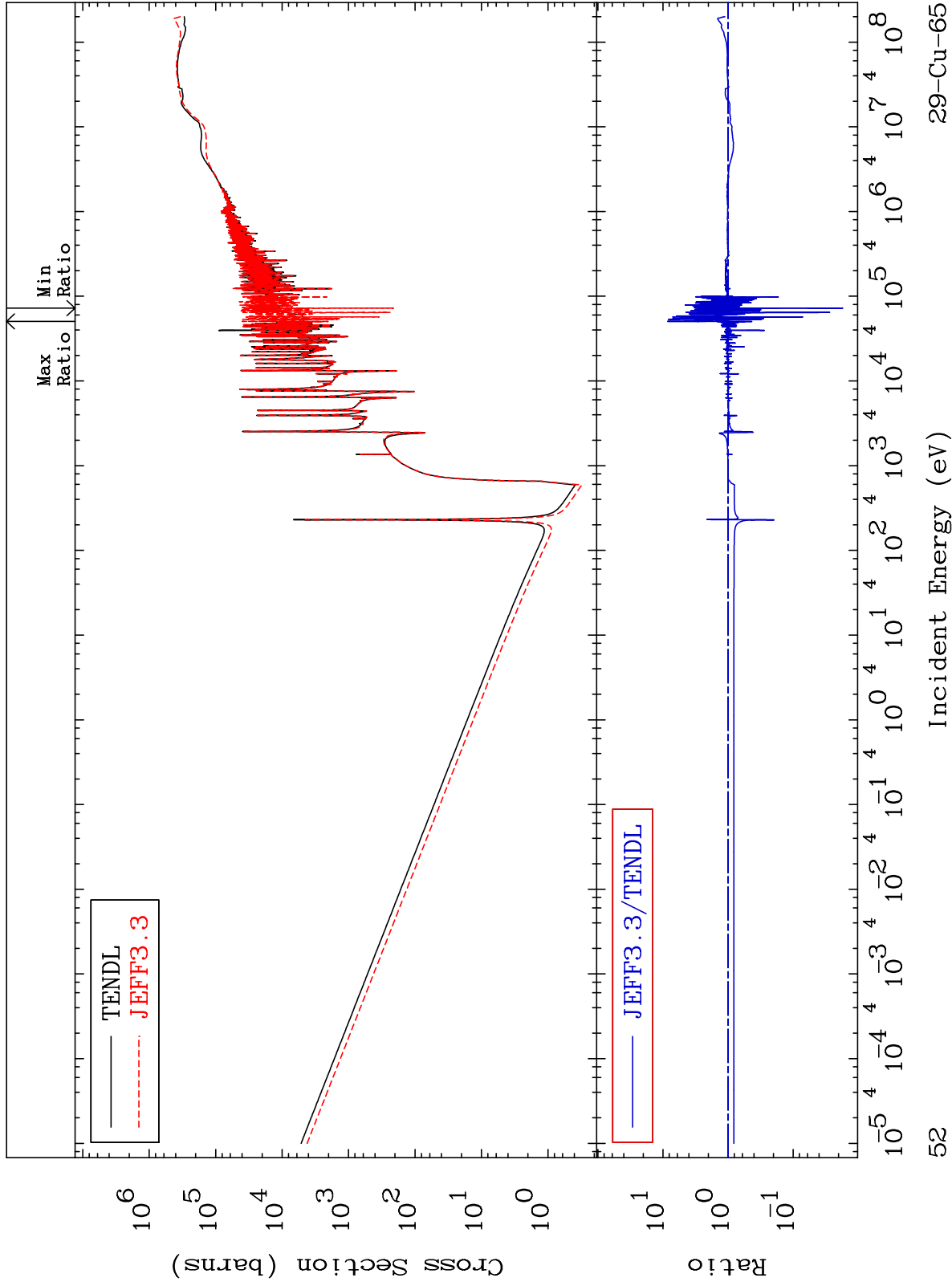
29-Cu-65
-98.27 To 749.4 %



MAT 2931

Dpa total (eV-barns)
Cross Section

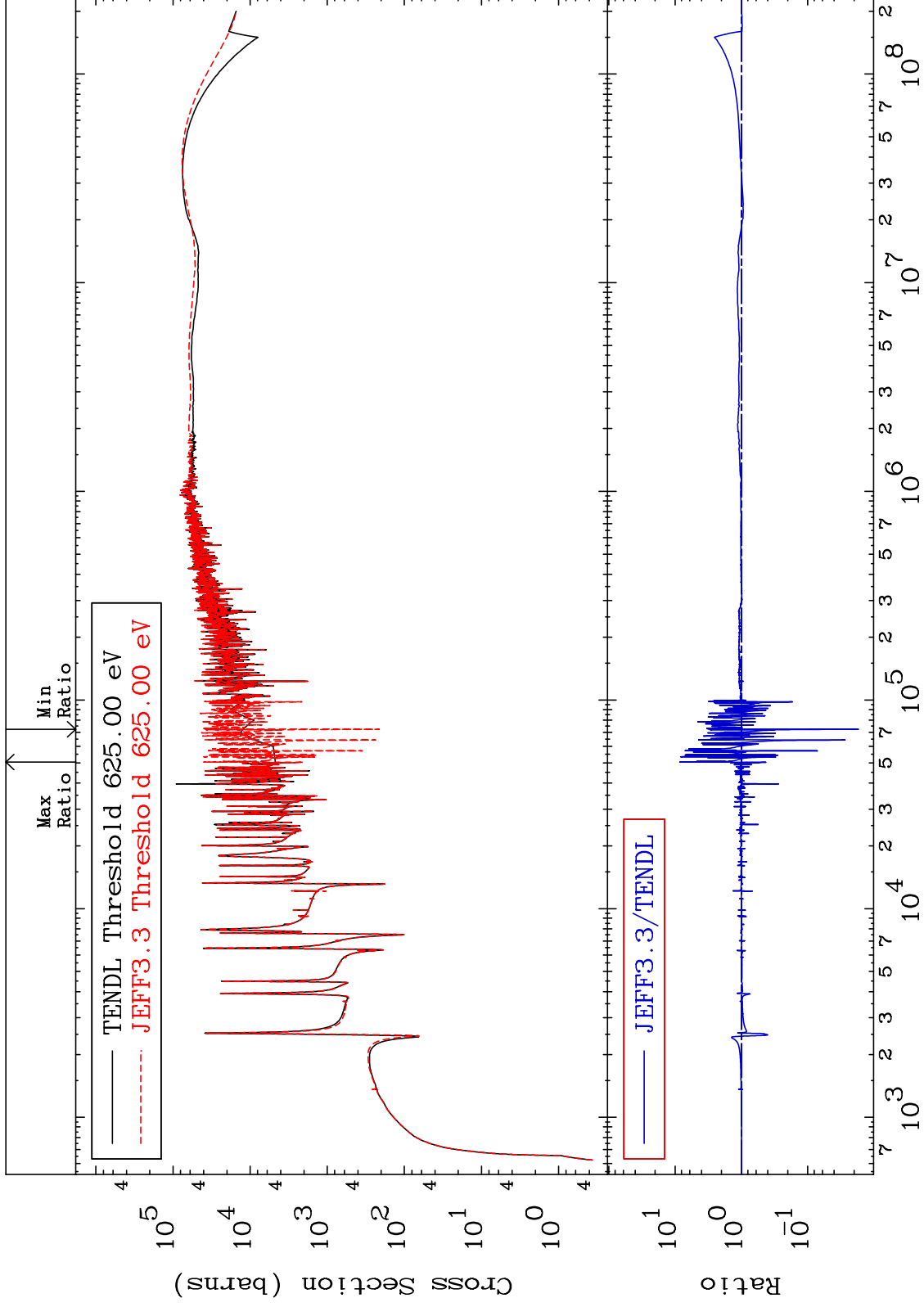
29-Cu-65
-98.27 To 749.0 %



MAT 2931

Dpa elastic (mt2)
Cross Section

29-Cu-65
-98.28 To 749.1 %



53

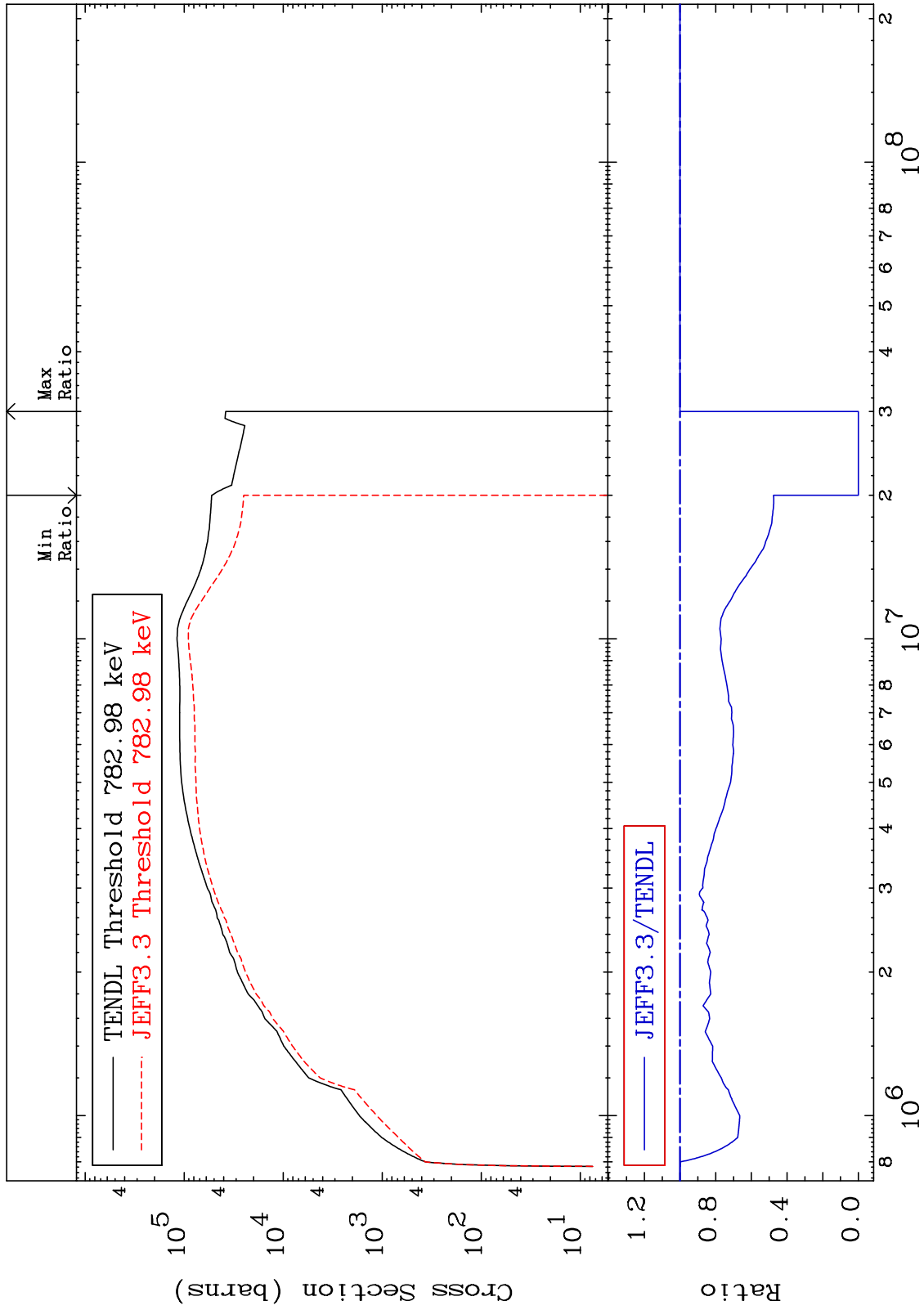
29-Cu-65

29-Cu-65

MAT 2931

Dpa inelastic (mt51-91)
Cross Section

29-Cu-65
-100.0 To 0.000 %



54

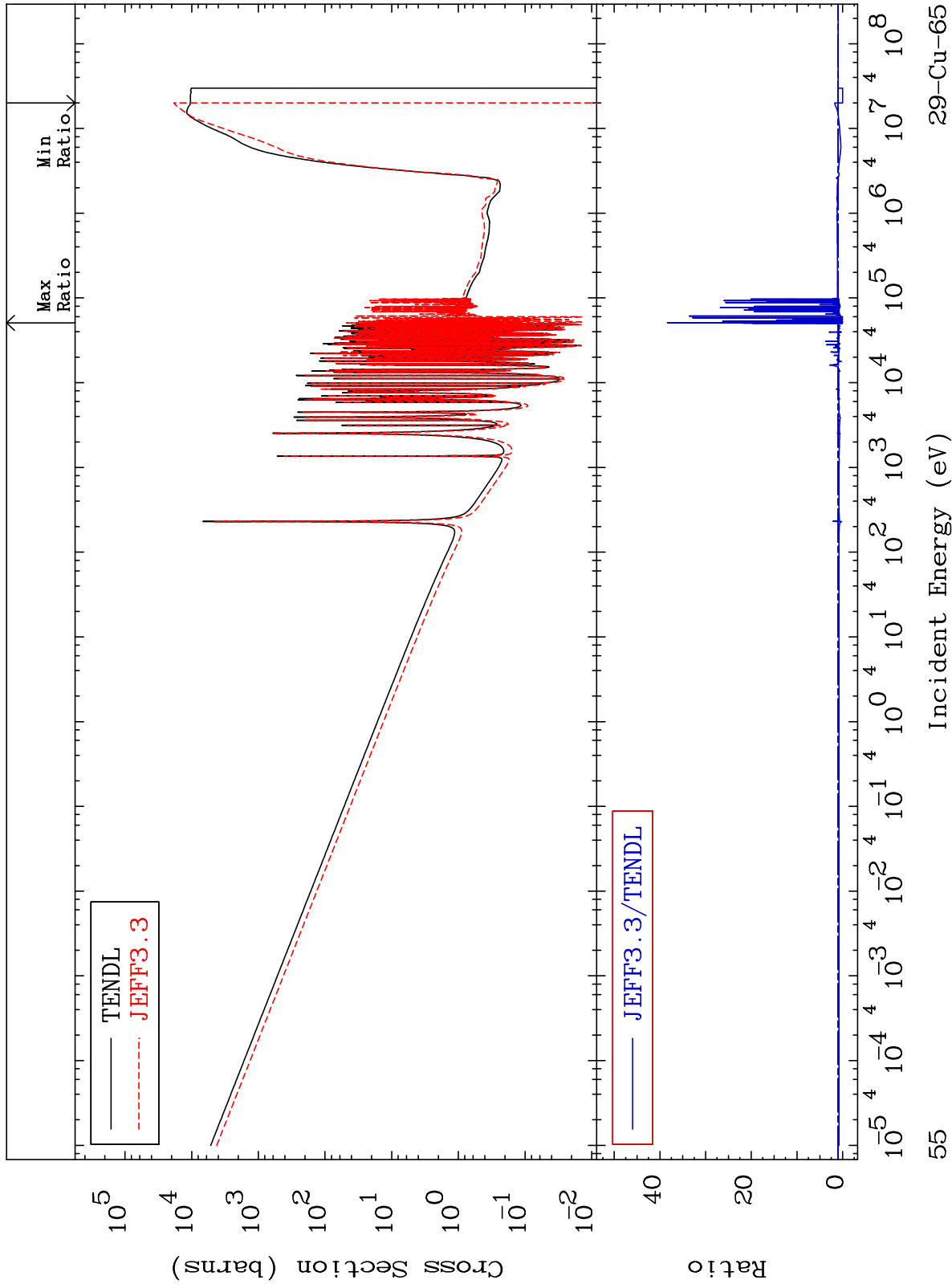
Incident Energy (eV)

29-Cu-65

MAT 2931

Dpa disappearance (mt102 -120)
Cross Section

29-Cu-65
-100.0 To 3733. %



55

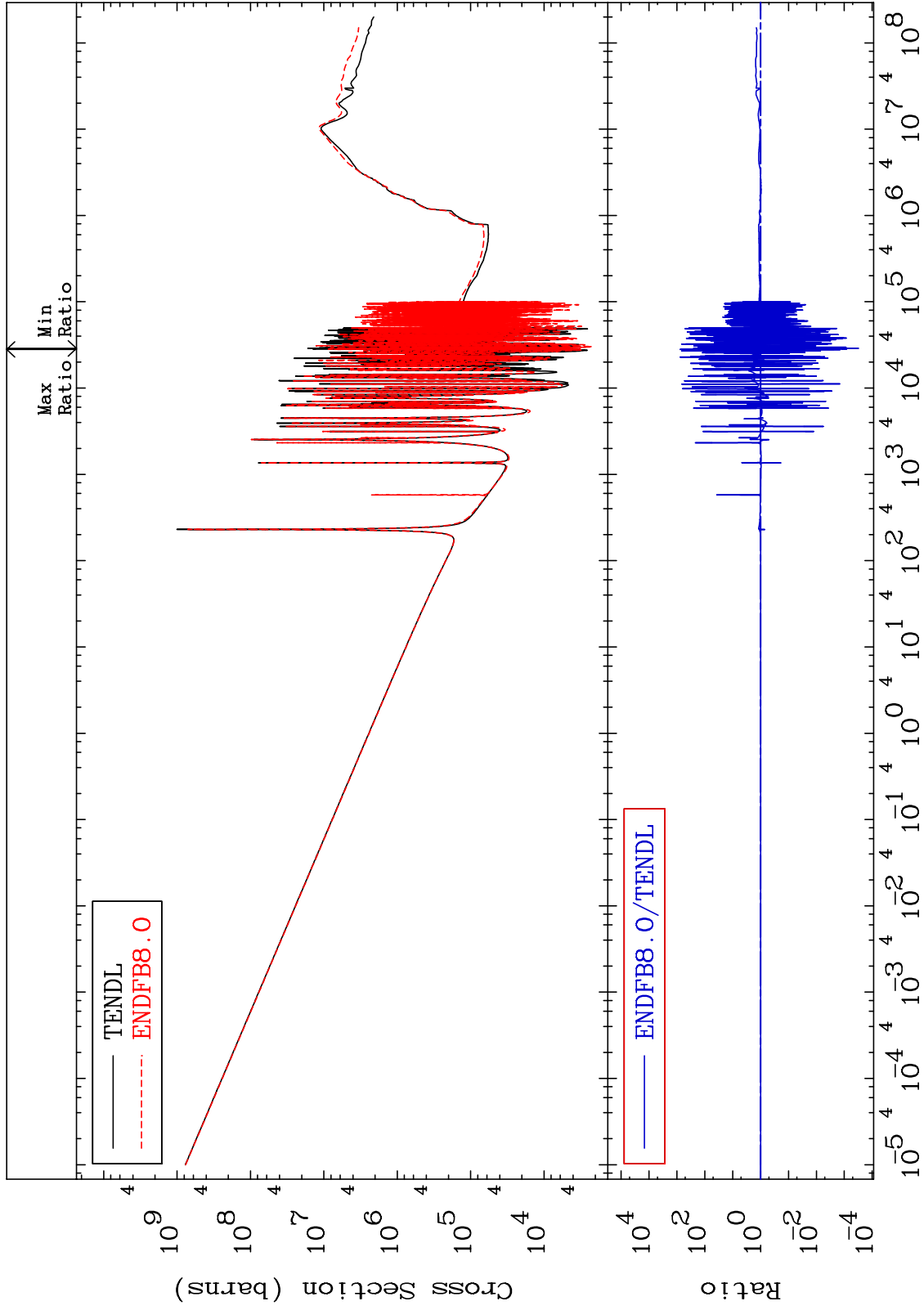
Incident Energy (eV)

29-Cu-65

MAT 2931

Total photon (eV-barns)
Cross Section

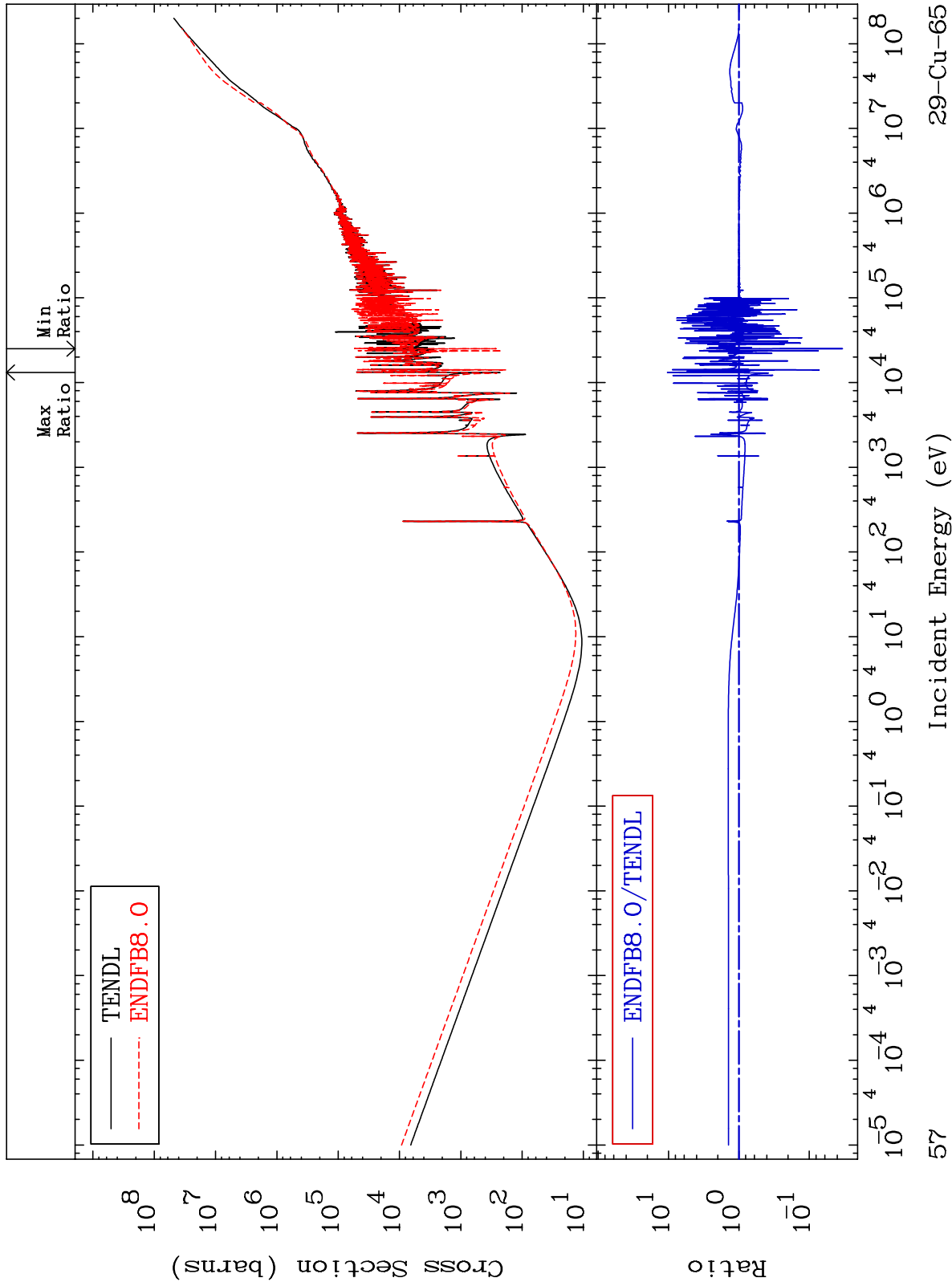
29-Cu-65
-99.97 To 9999. %



MAT 2931

Total kinematic kerma (high limit)
Cross Section

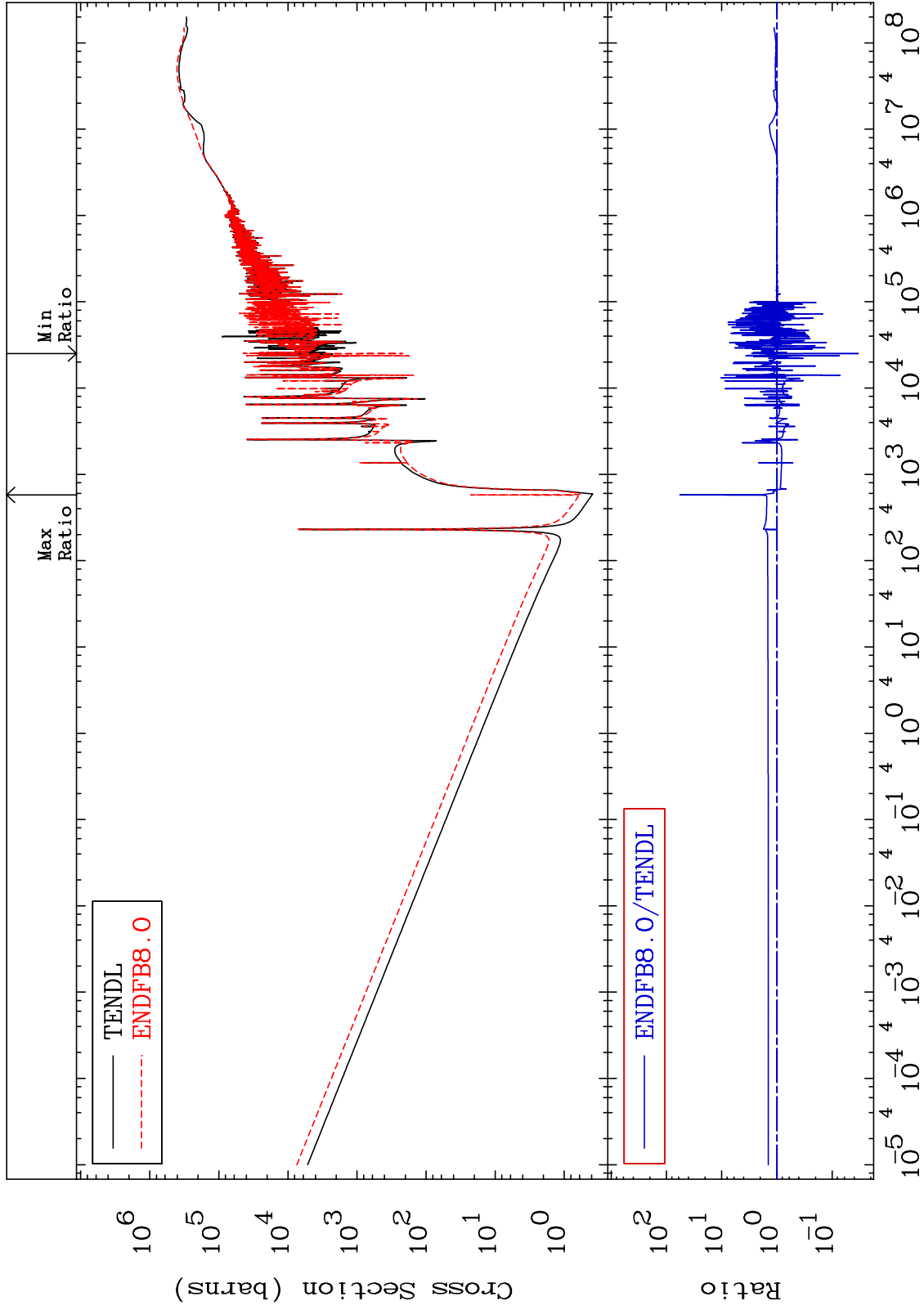
29-Cu-65
-96.65 To 932.4 %



MAT 2931

Dpa total (eV-barns)
Cross Section

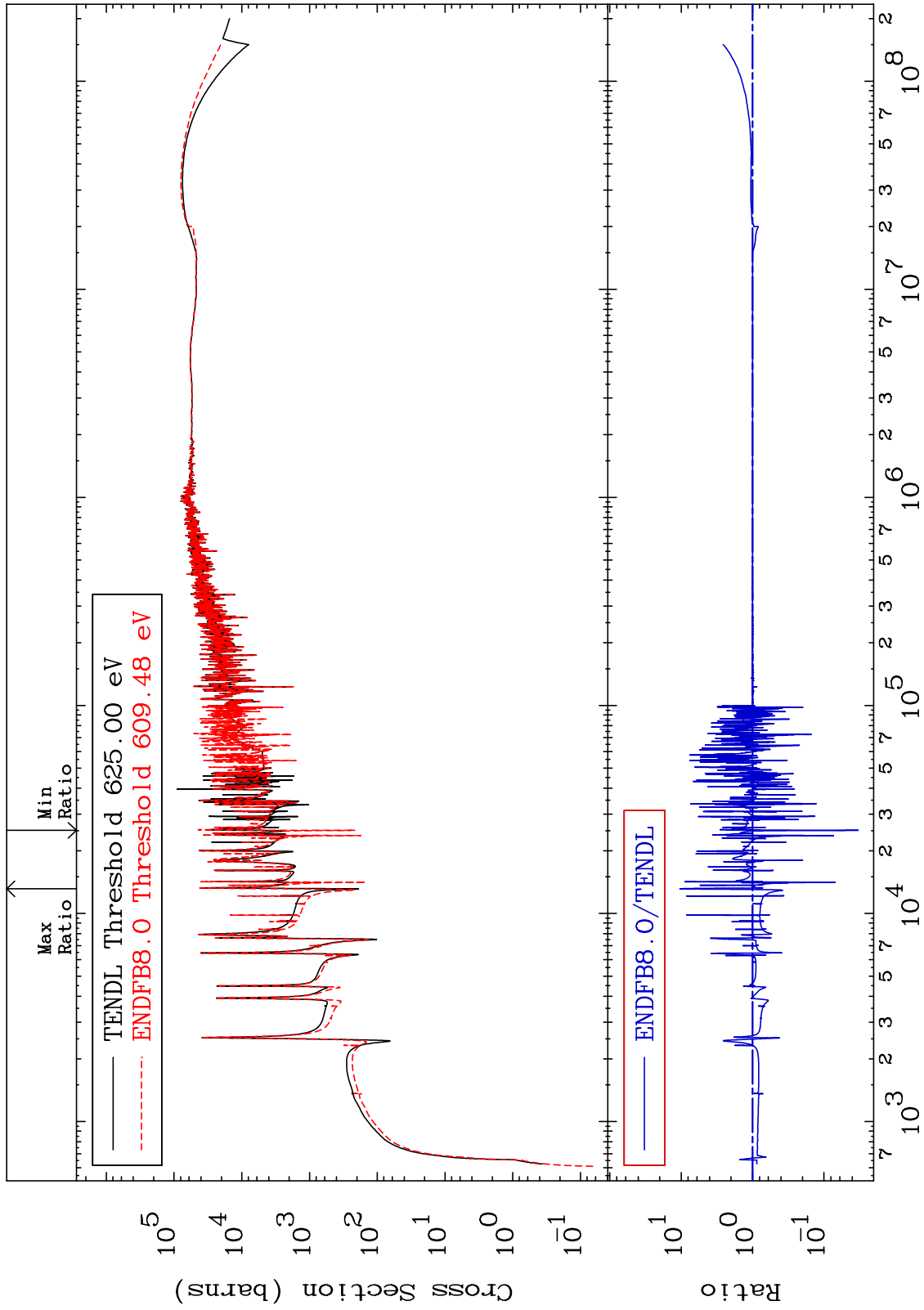
29-Cu-65
-96.65 To 5584. %



MAT 2931

Dpa elastic (mt2)
Cross Section

29-Cu-65
-96.71 To 937.8 %



59

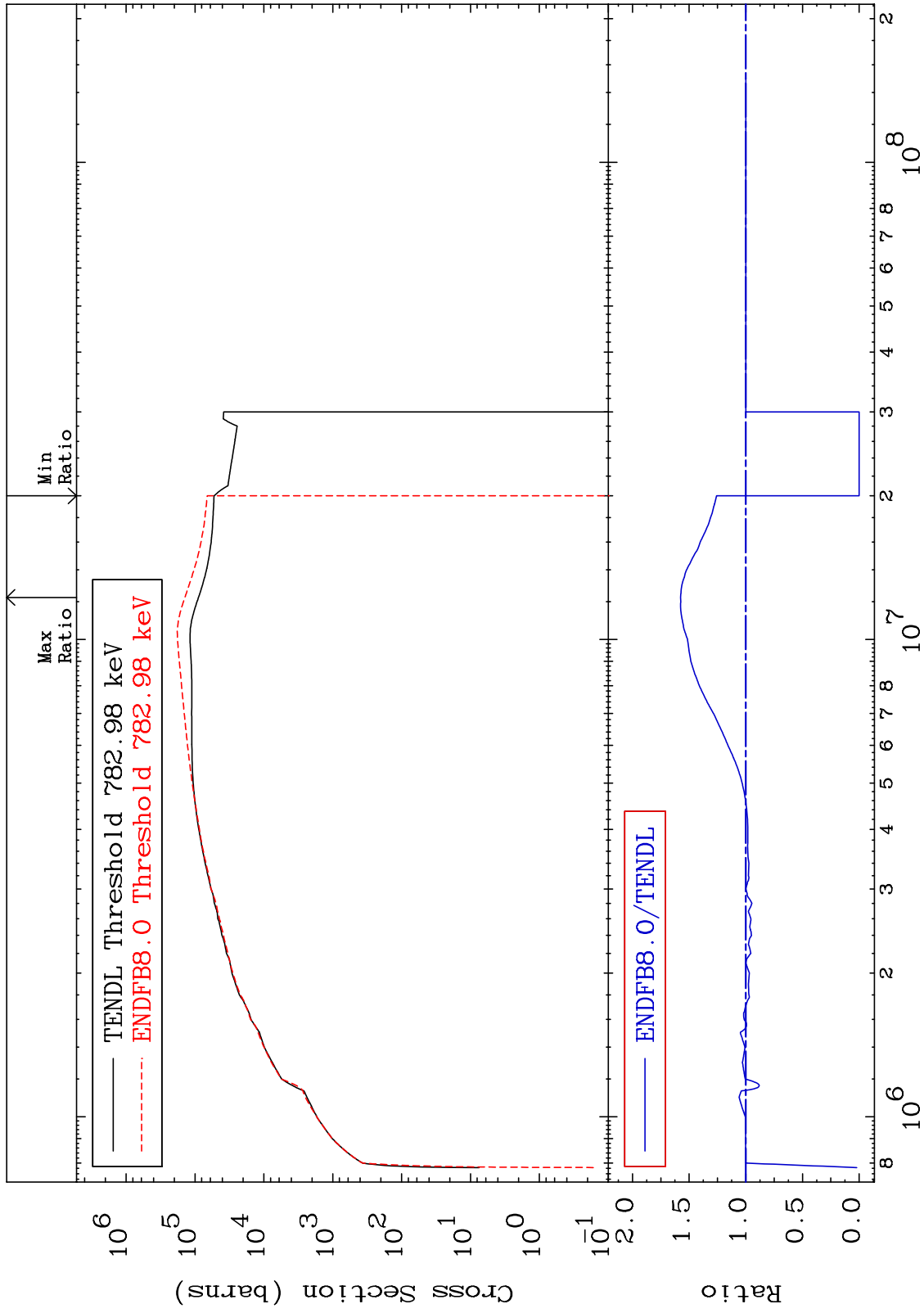
Incident Energy (eV)

29-Cu-65

MAT 2931

Dpa inelastic (mt51-91)
Cross Section

29-Cu-65
-100.0 To 57.53 %



60

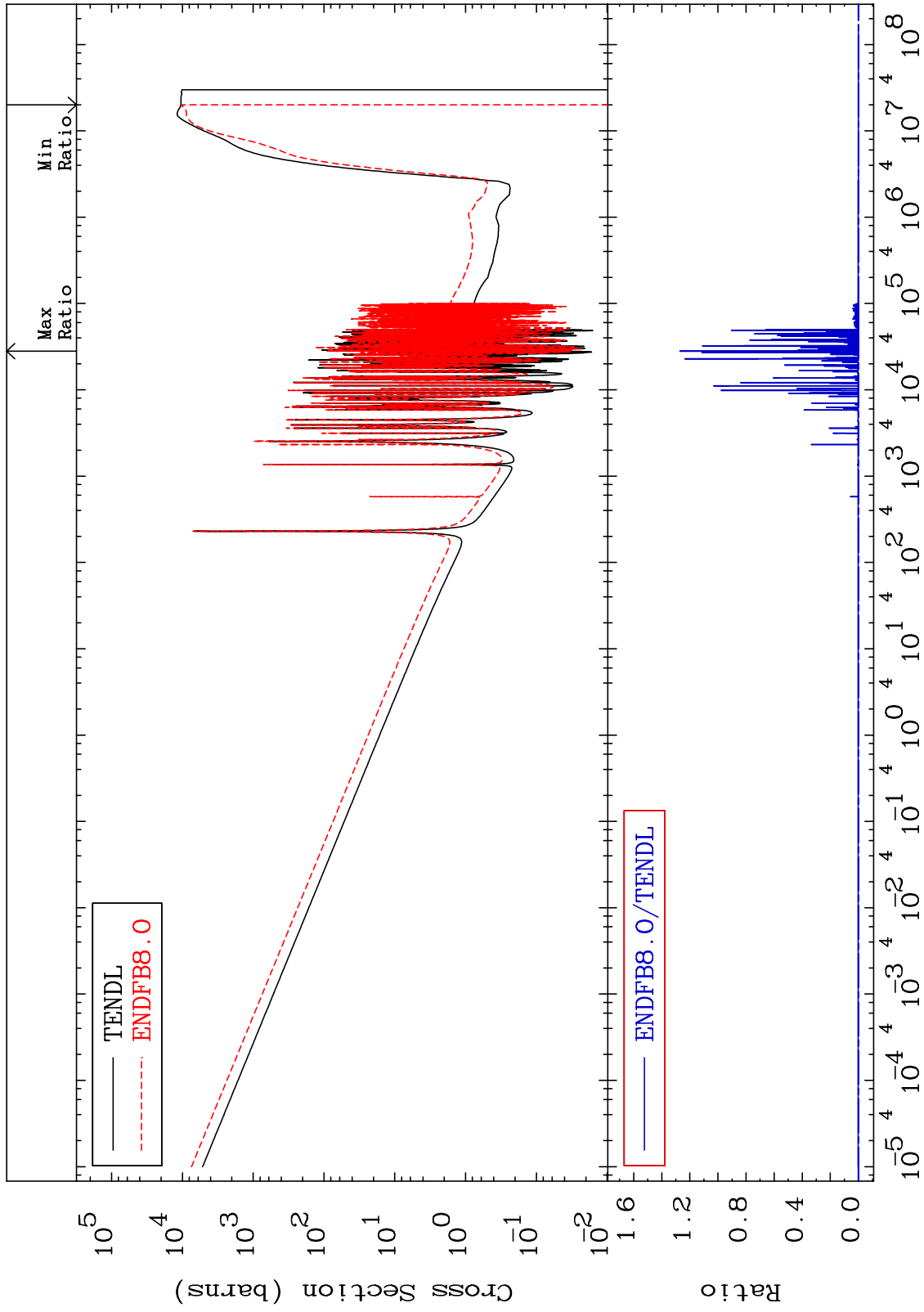
Incident Energy (eV)

29-Cu-65

MAT 2931

Dpa disappearance (mt102 -120)
Cross Section

29-Cu-65
-100.0 To 9999. %



61

Incident Energy (eV)

29-Cu-65