

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

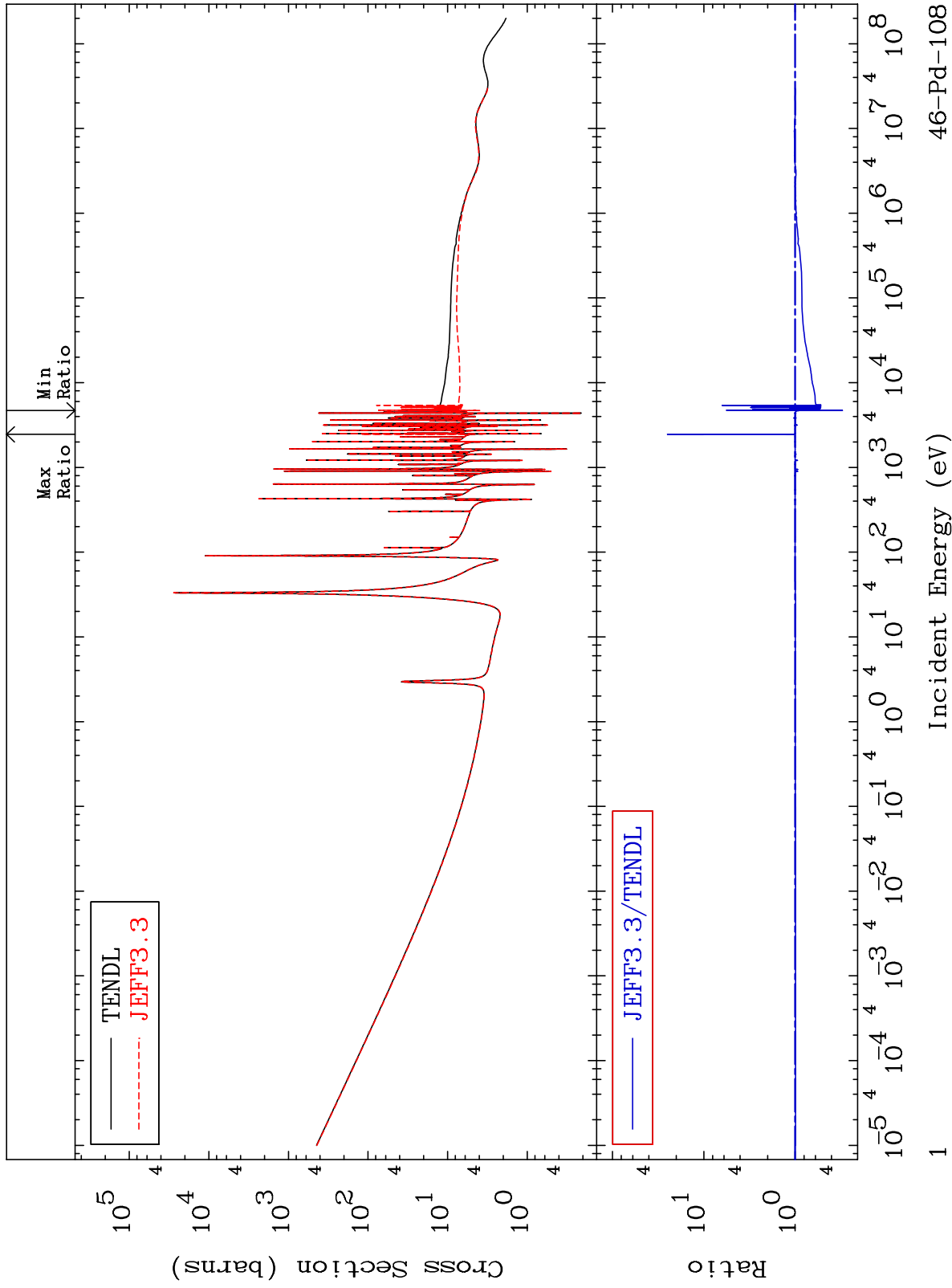
MAT 4643

Total

46-Pd-108

-69.83 To 2393. %

Cross Section

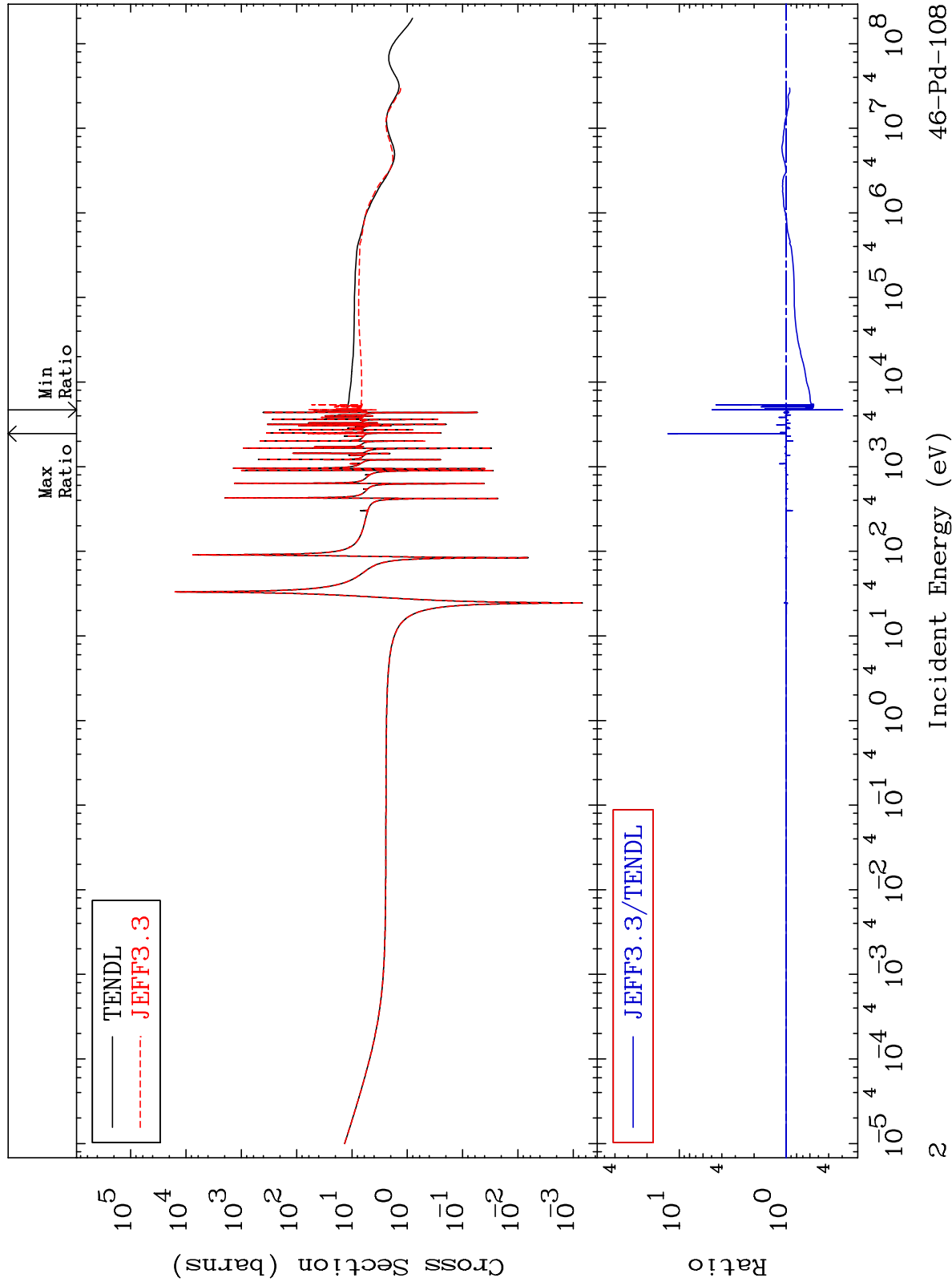


46-Pd-108

MAT 4643

Elastic
Cross Section

46-Pd-108
-70.49 To 1175. %



46-Pd-108

Incident Energy (eV)

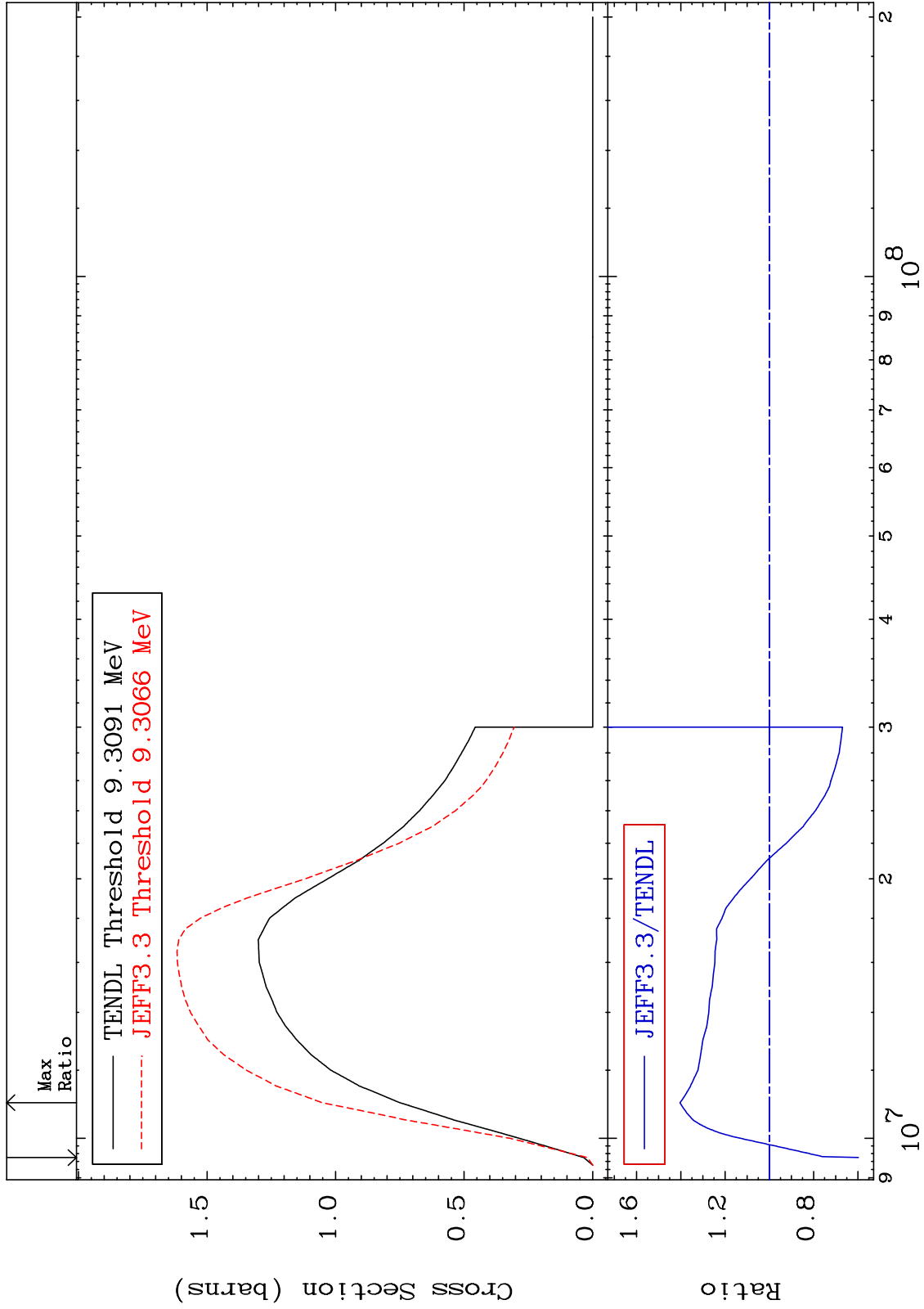
MAT 4643

(n,2n)

46-Pd-108

Cross Section

-40.25 To 40.35 %



Incident Energy (eV)

46-Pd-108

4

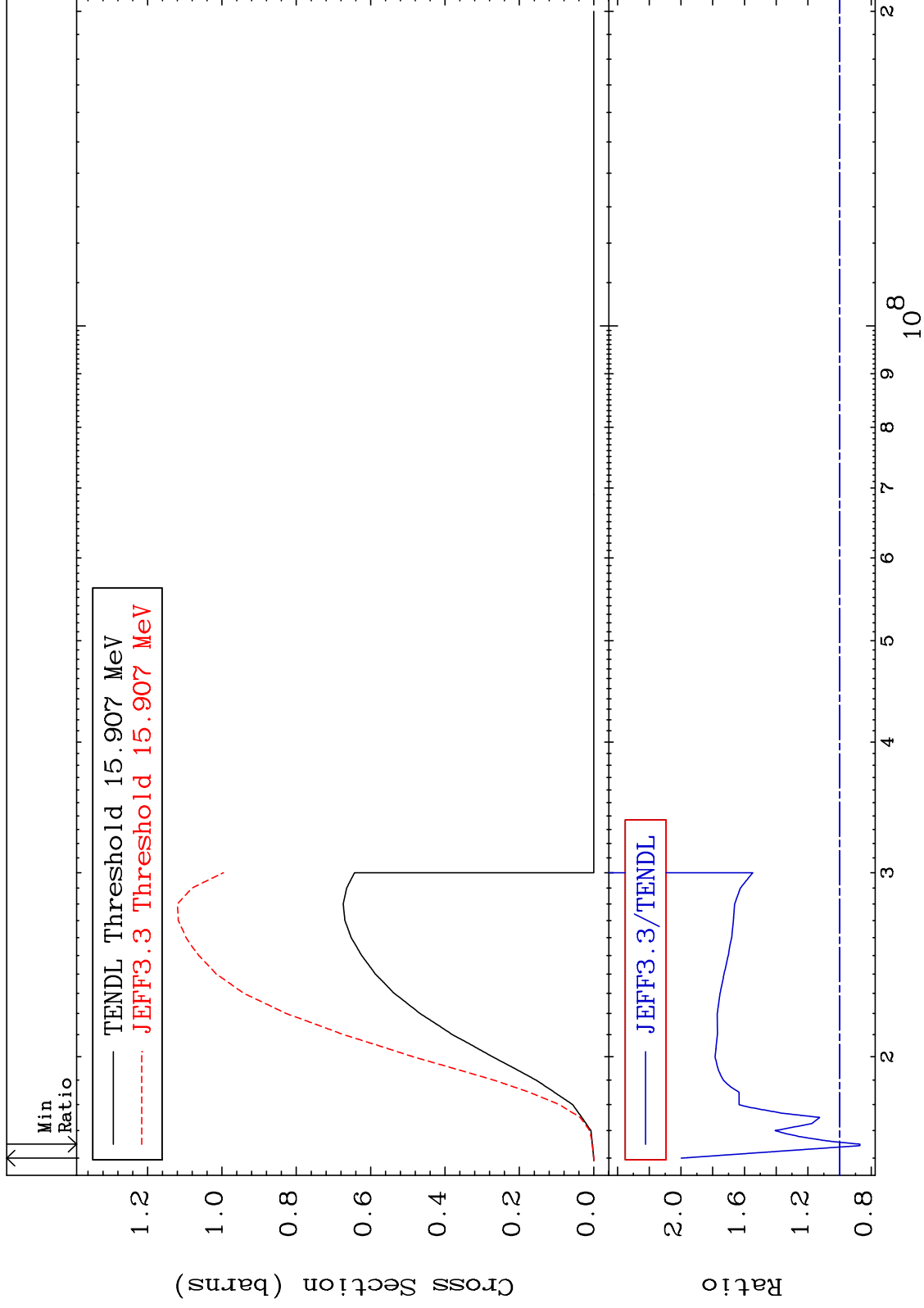
MAT 4643

(n, 3n)

46-Pd-108

Cross Section

-12.81 To 99.84 %



5

Incident Energy (eV)

46-Pd-108

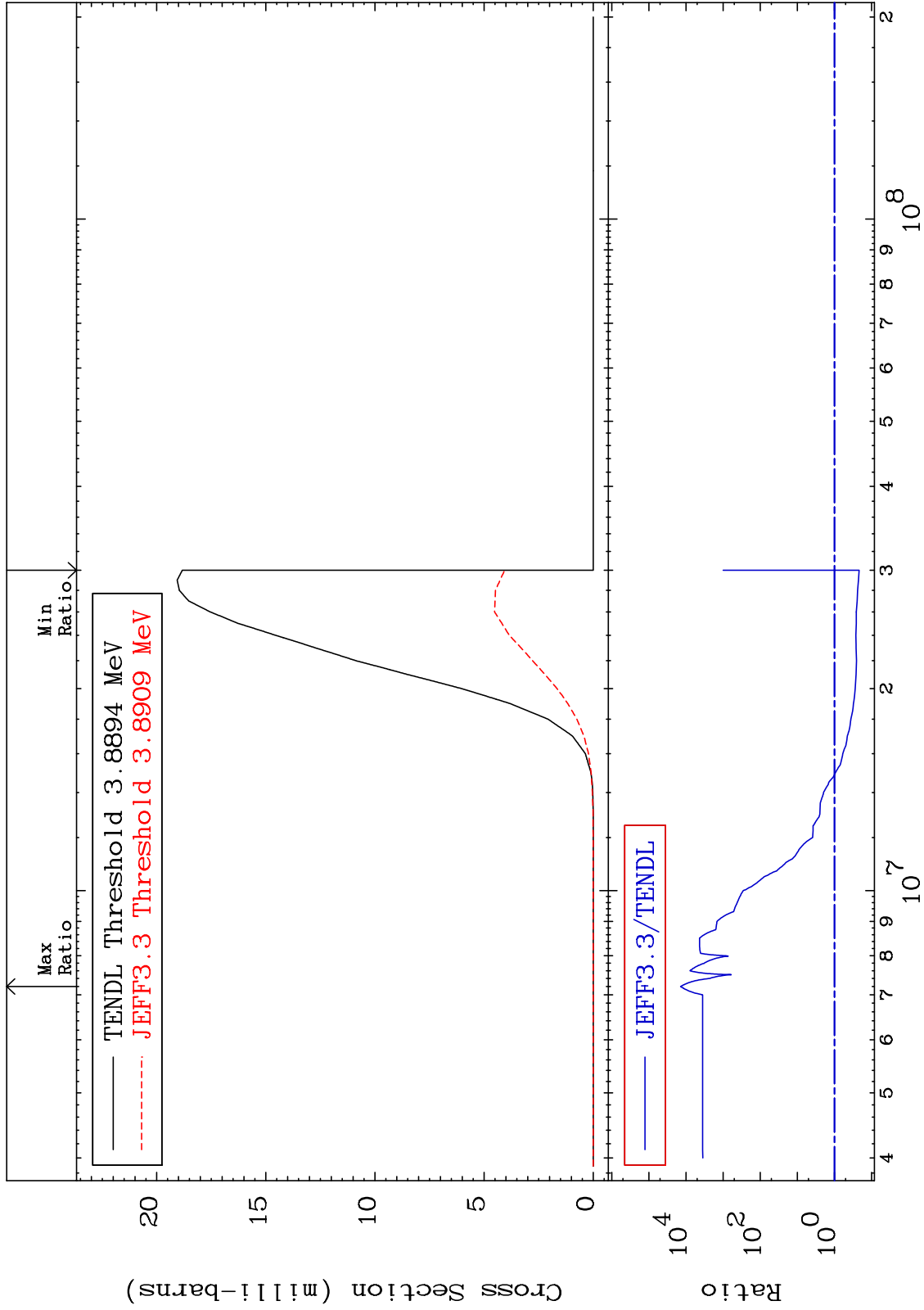
MAT 4643

(n, n') α

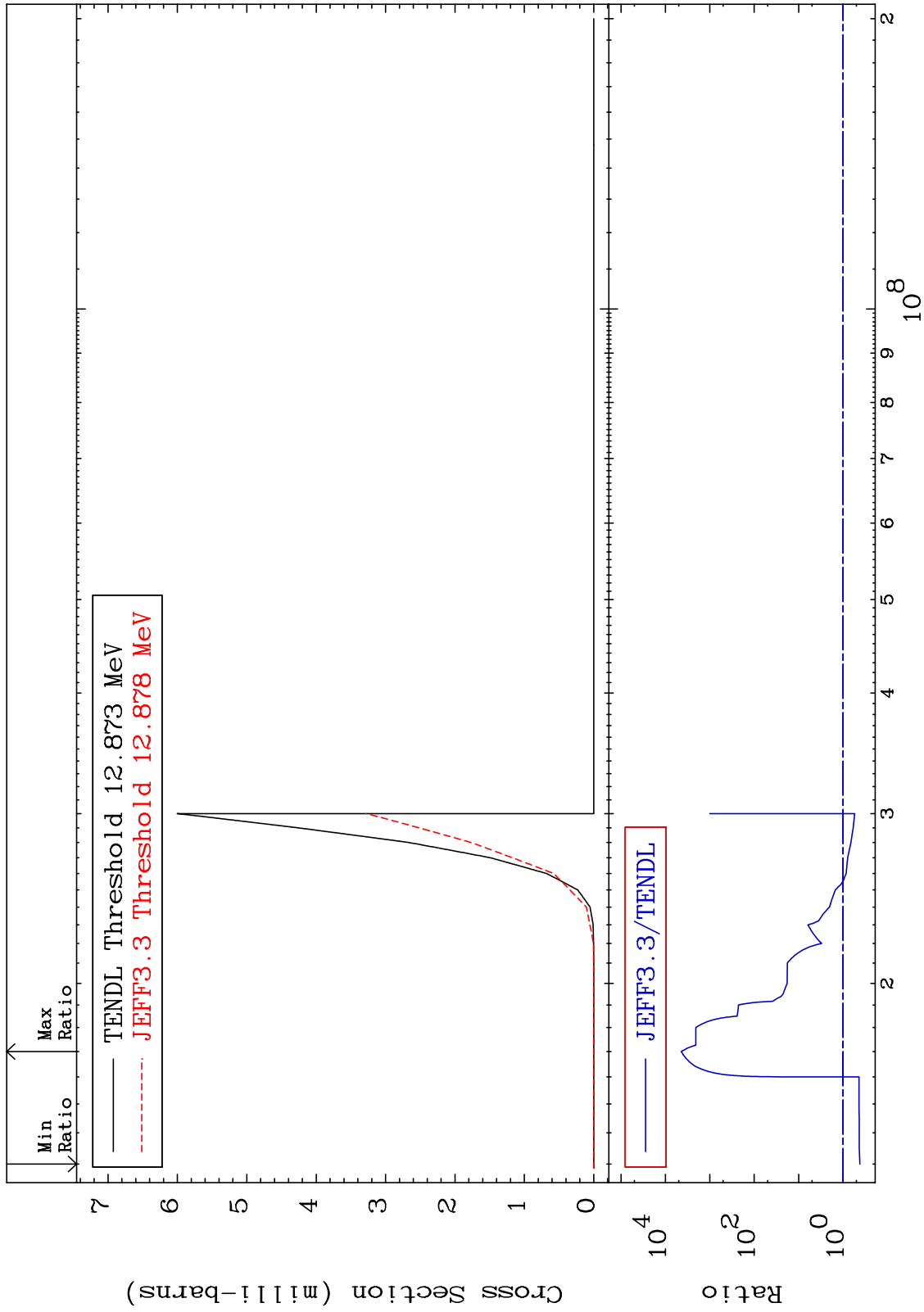
46-Pd-108

-78.44 To 9999. %

Cross Section



MAT 4643 (n,2n) α 46-Pd-108
 Cross Section -58.40 To 9999. %



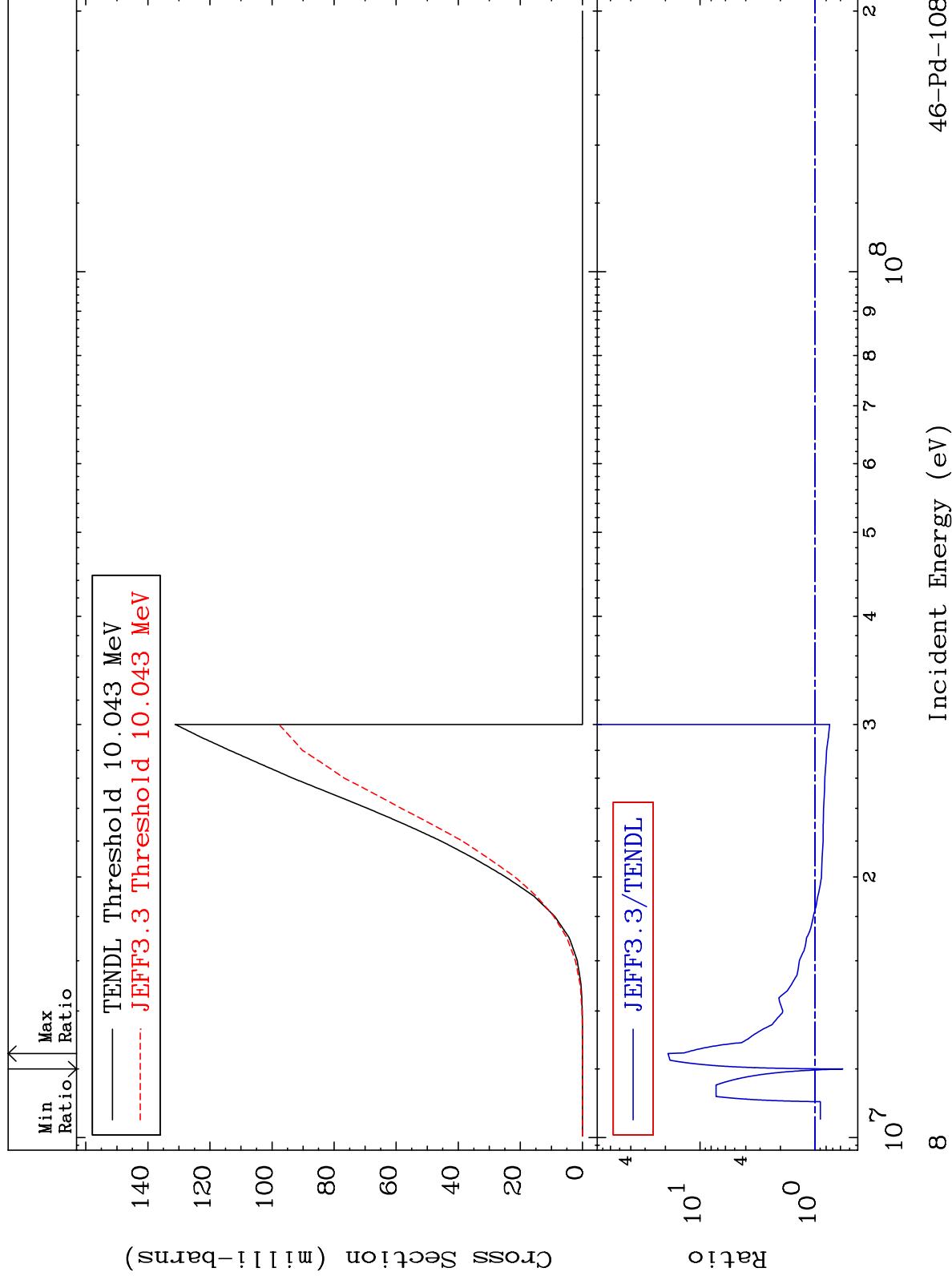
46-Pd-108

Incident Energy (eV)

MAT 4643

(n,n') p
Cross Section

46-Pd-108
-42.76 To 1797. %



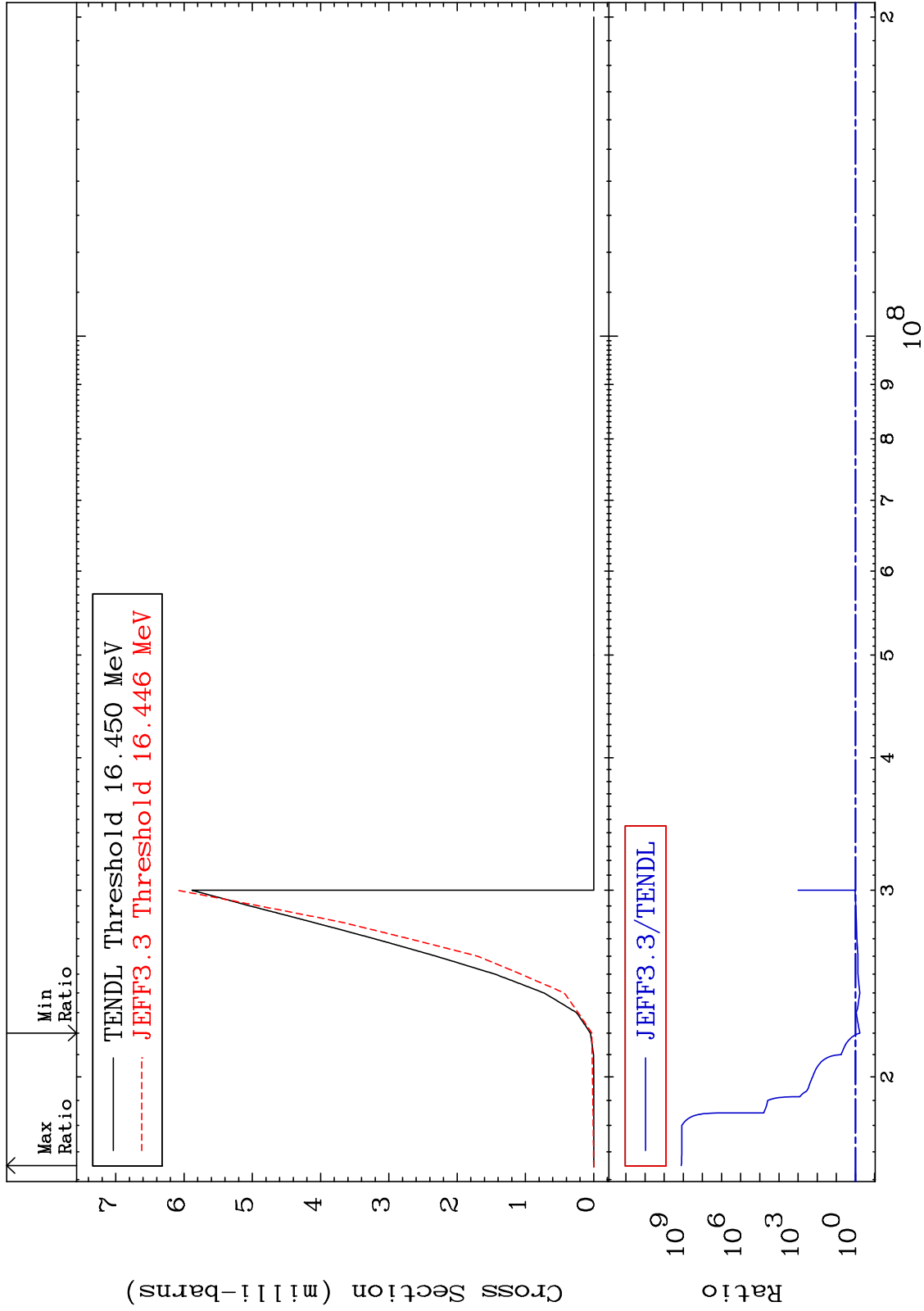
MAT 4643

(n, n') d

46-Pd-108

Cross Section

-41.69 To 9999. %



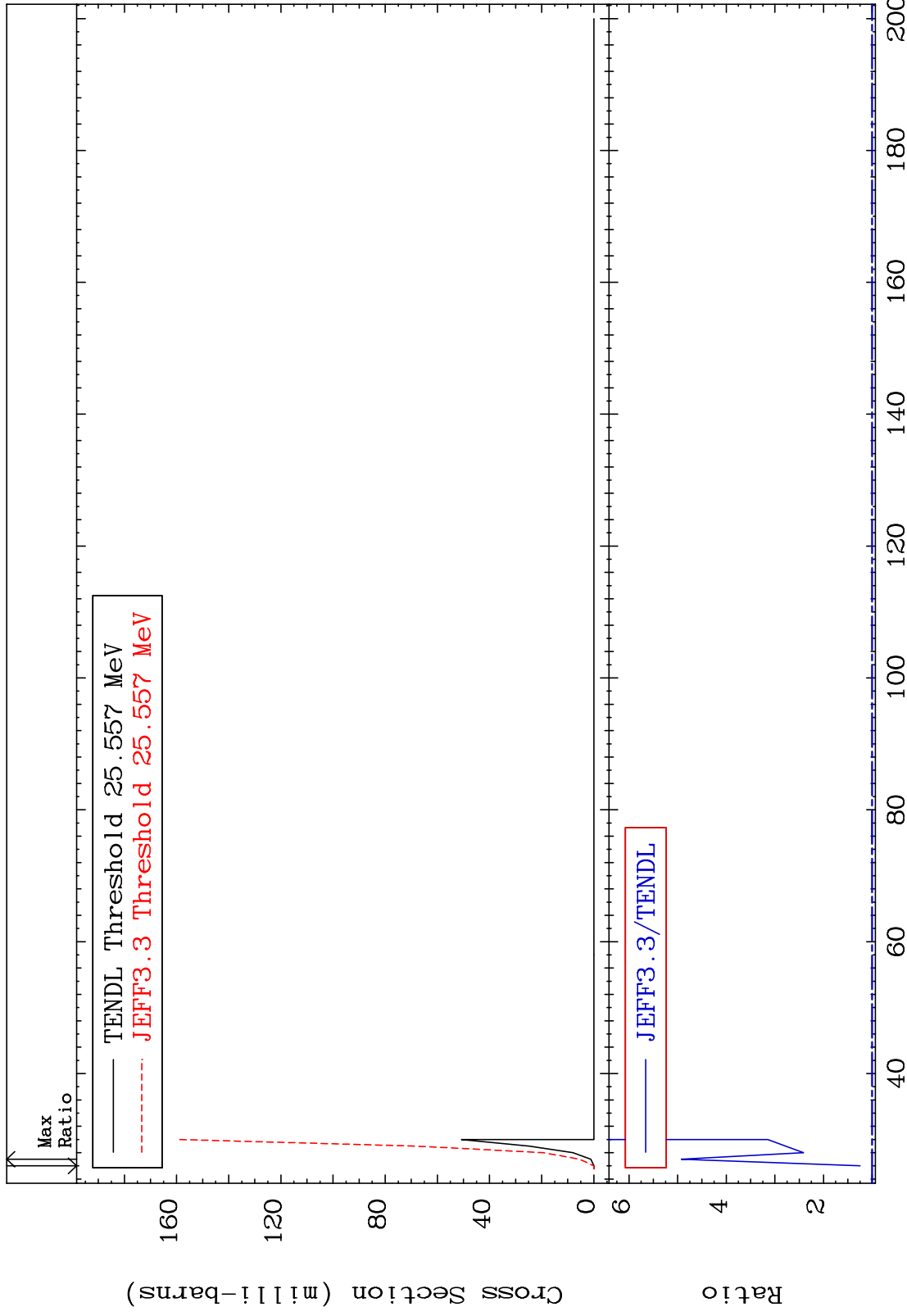
MAT 4643

(n, 4n)

46-Pd-108

Cross Section

24.74 To 392.3 %



10

Incident Energy (MeV)

46-Pd-108

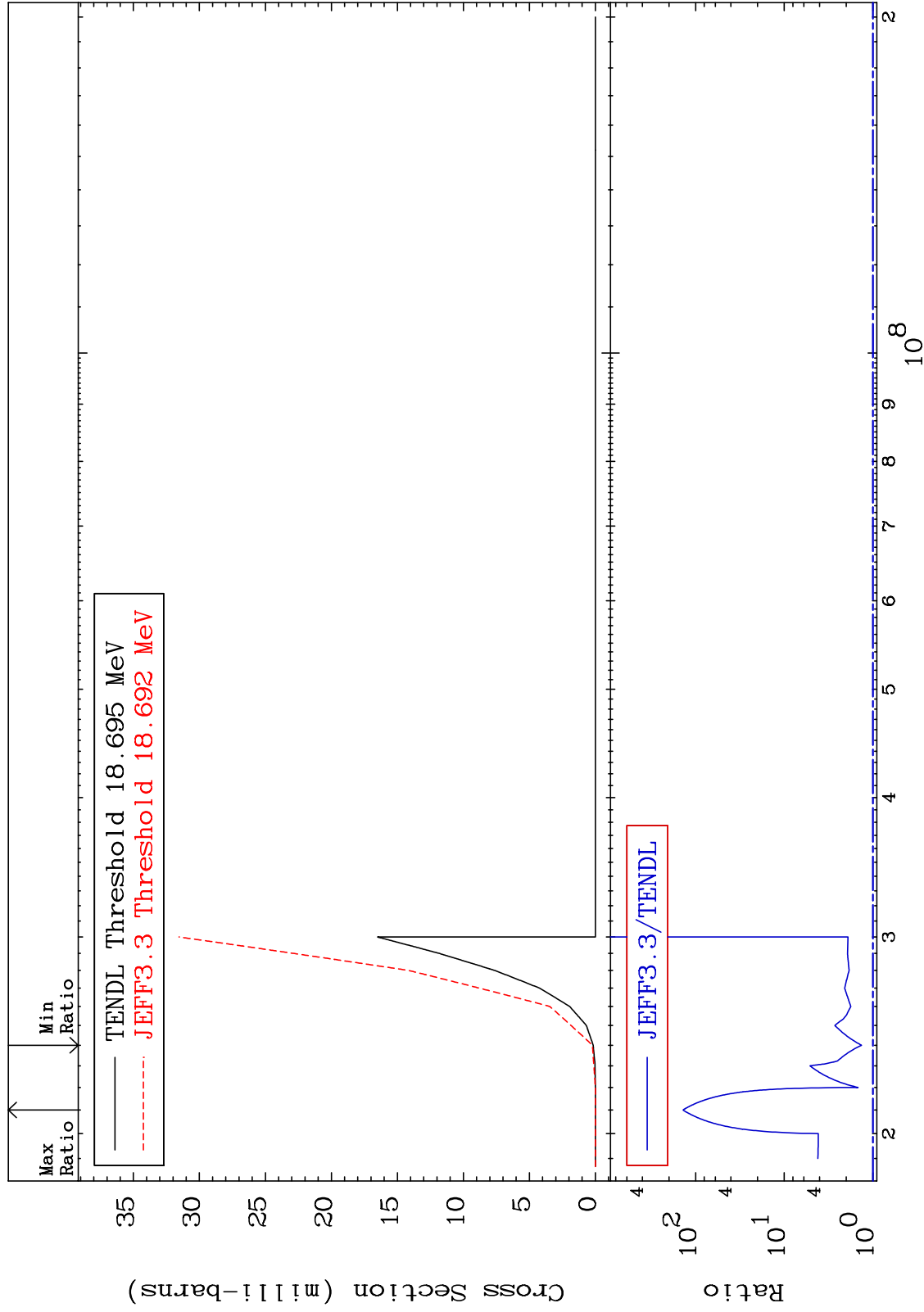
MAT 4643

(n,2n) p

46-Pd-108

Cross Section

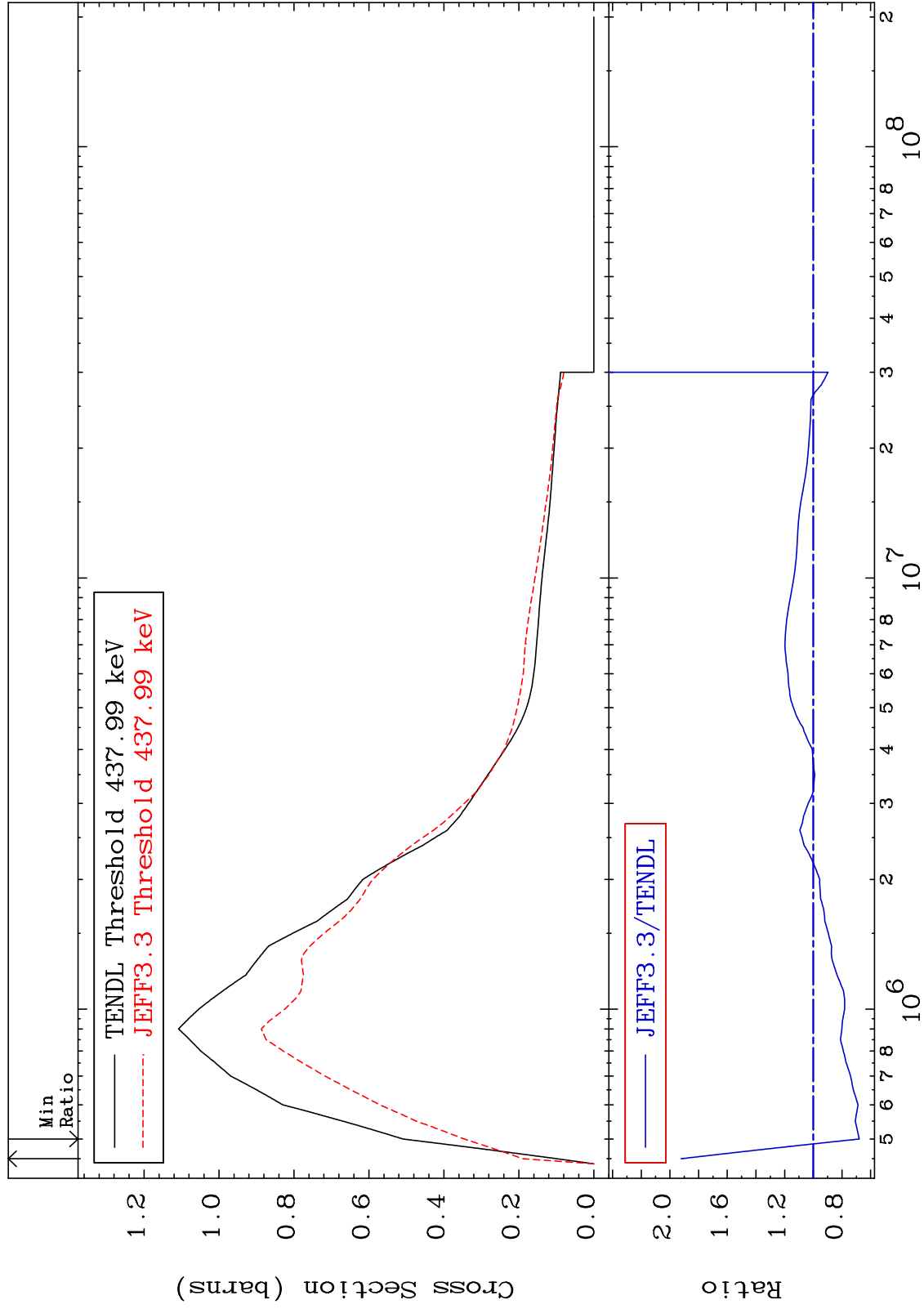
34.00 To 9999. %



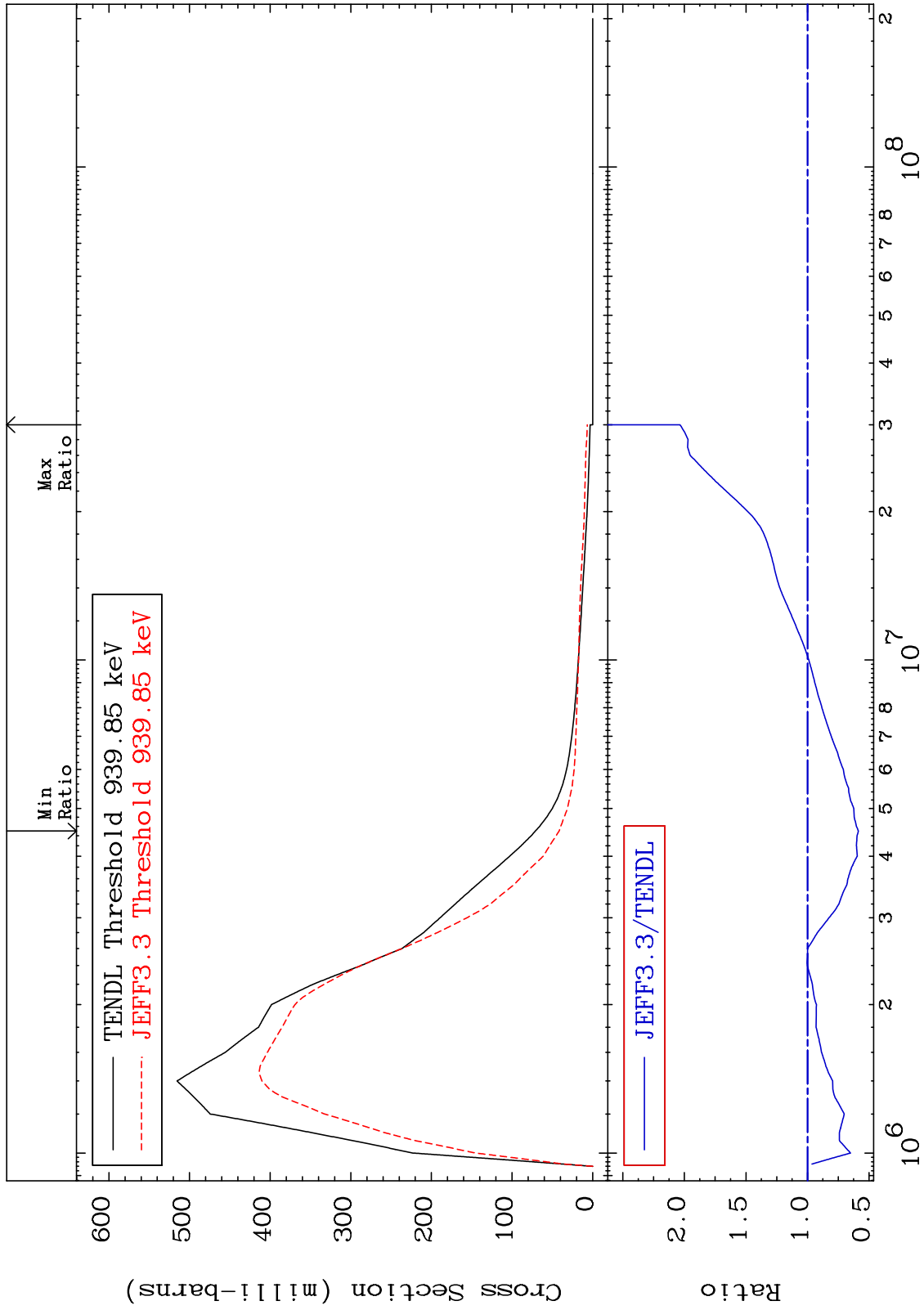
MAT 4643

MT= 51 (n,n') Level
Cross Section

46-Pd-108
-32.07 To 92.23 %



MAT 4643 MT= 52 (n,n') Level Cross Section 46-Pd-108 -41.41 To 103.6 %

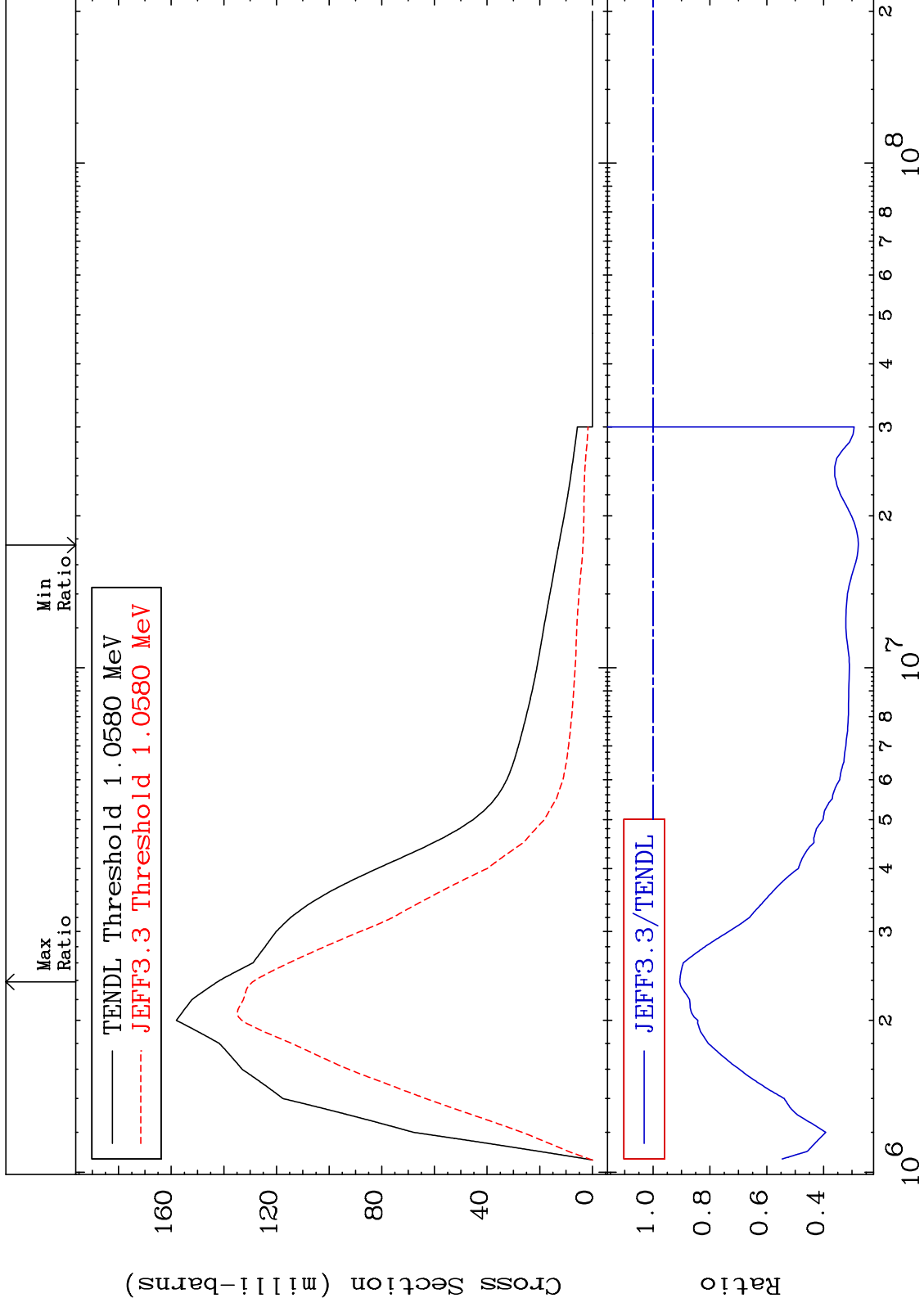


13 Incident Energy (eV) 46-Pd-108

MAT 4643

MT= 53 (n, n') Level
Cross Section

46-Pd-108
-72.22 To -9.384%



14

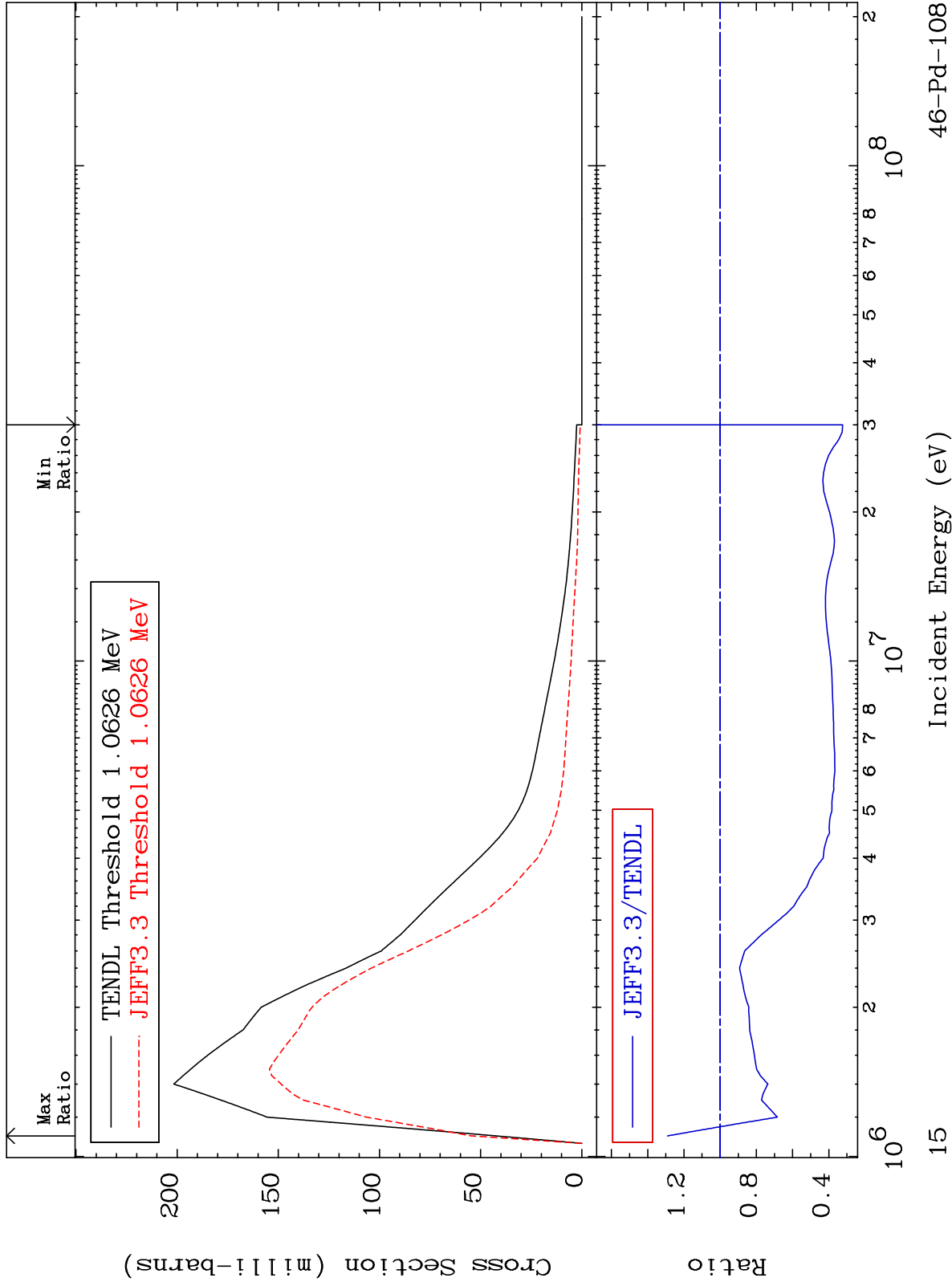
Incident Energy (eV)

46-Pd-108

MAT 4643

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

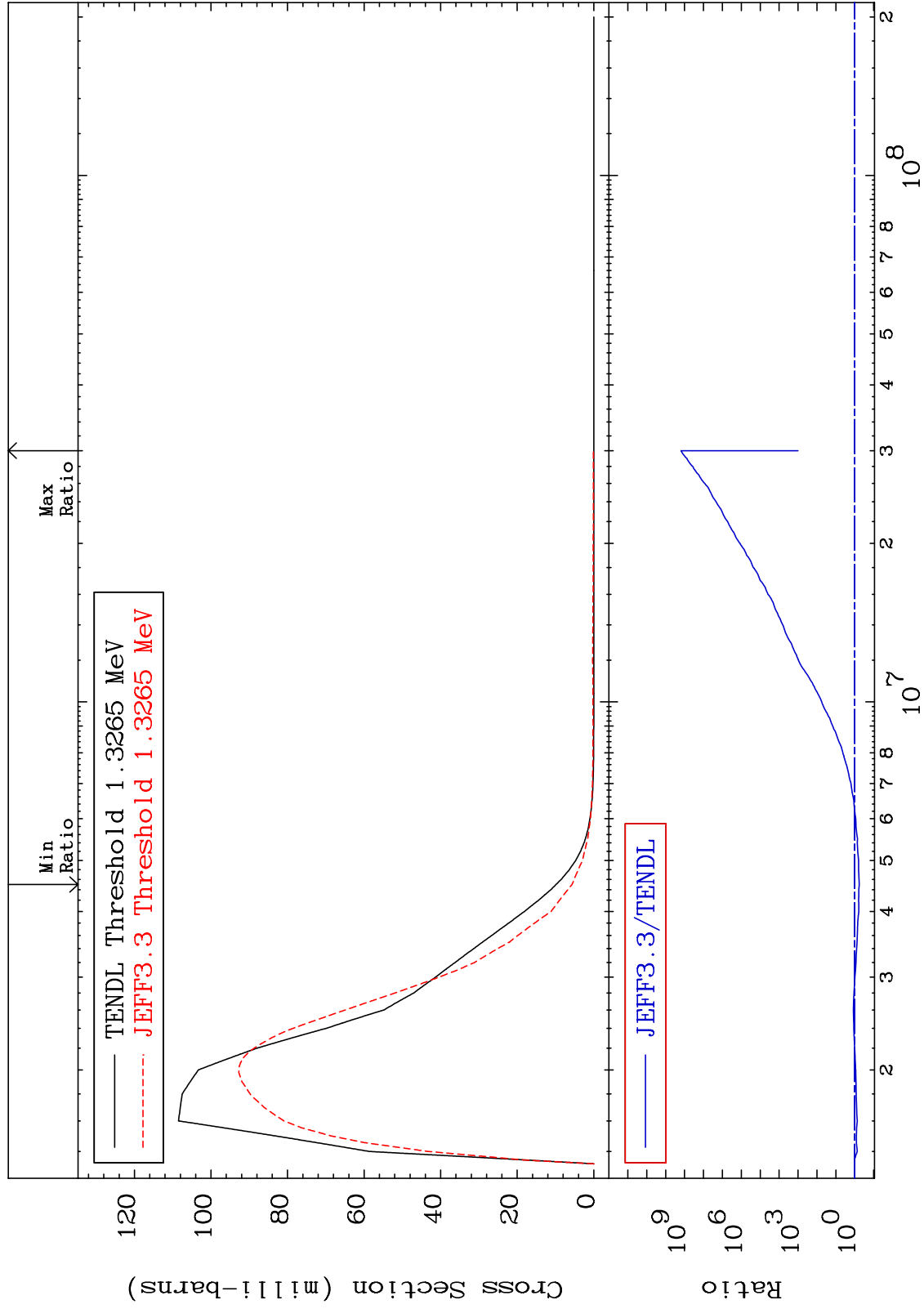
46-Pd-108
-67.63 To 29.03 %

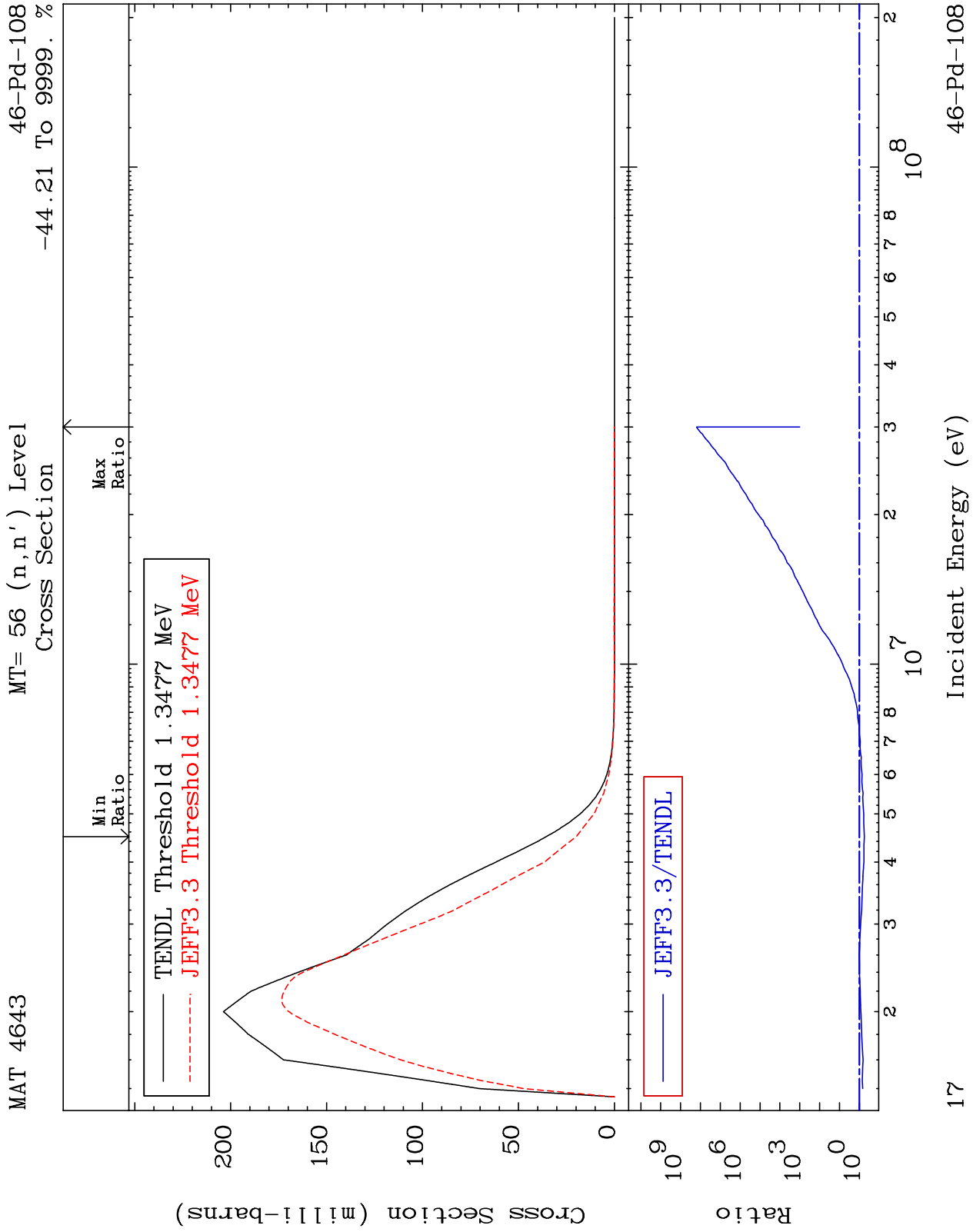


MAT 4643

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

46-Pd-108
-42.32 To 9999. %

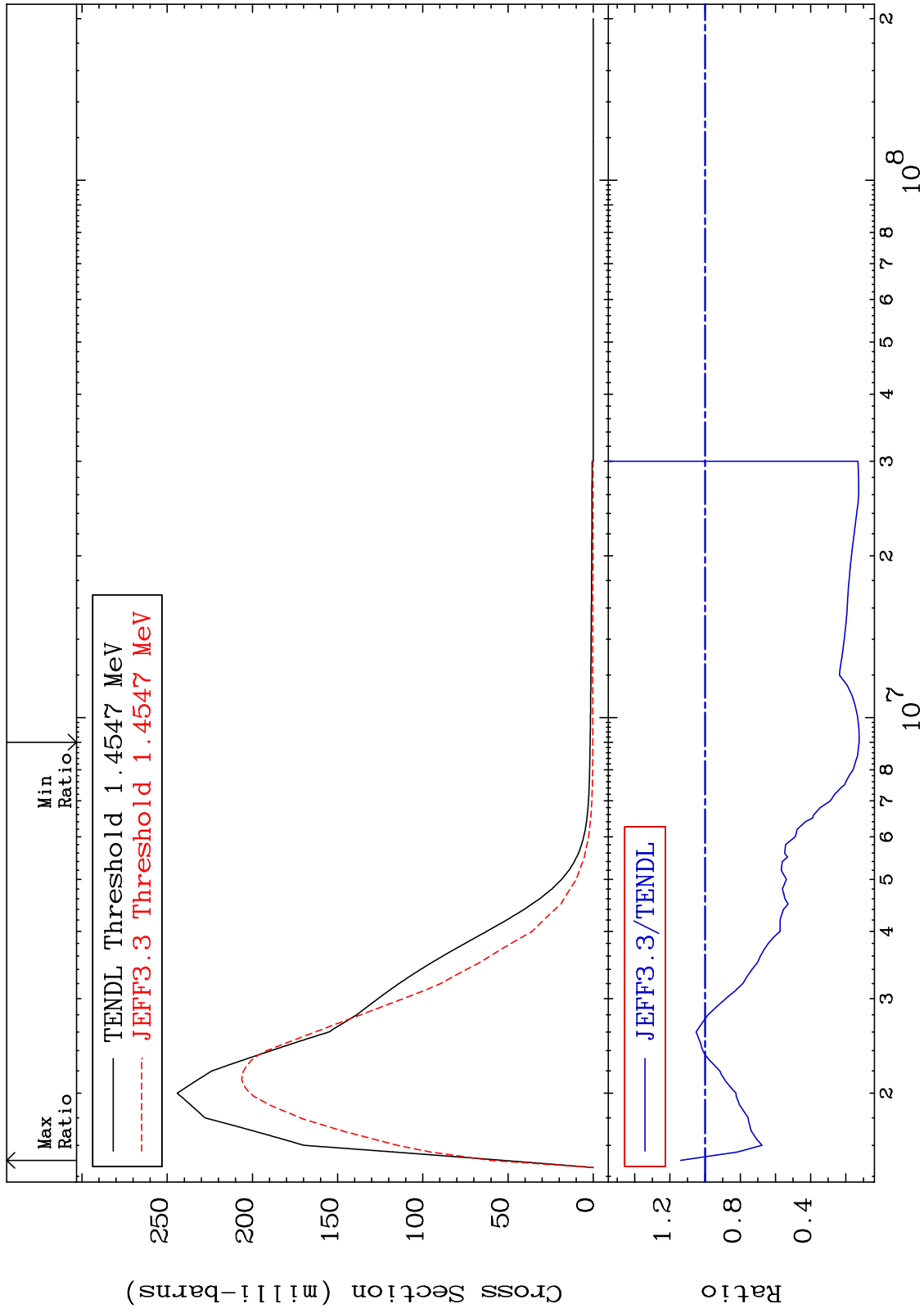




MAT 4643

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

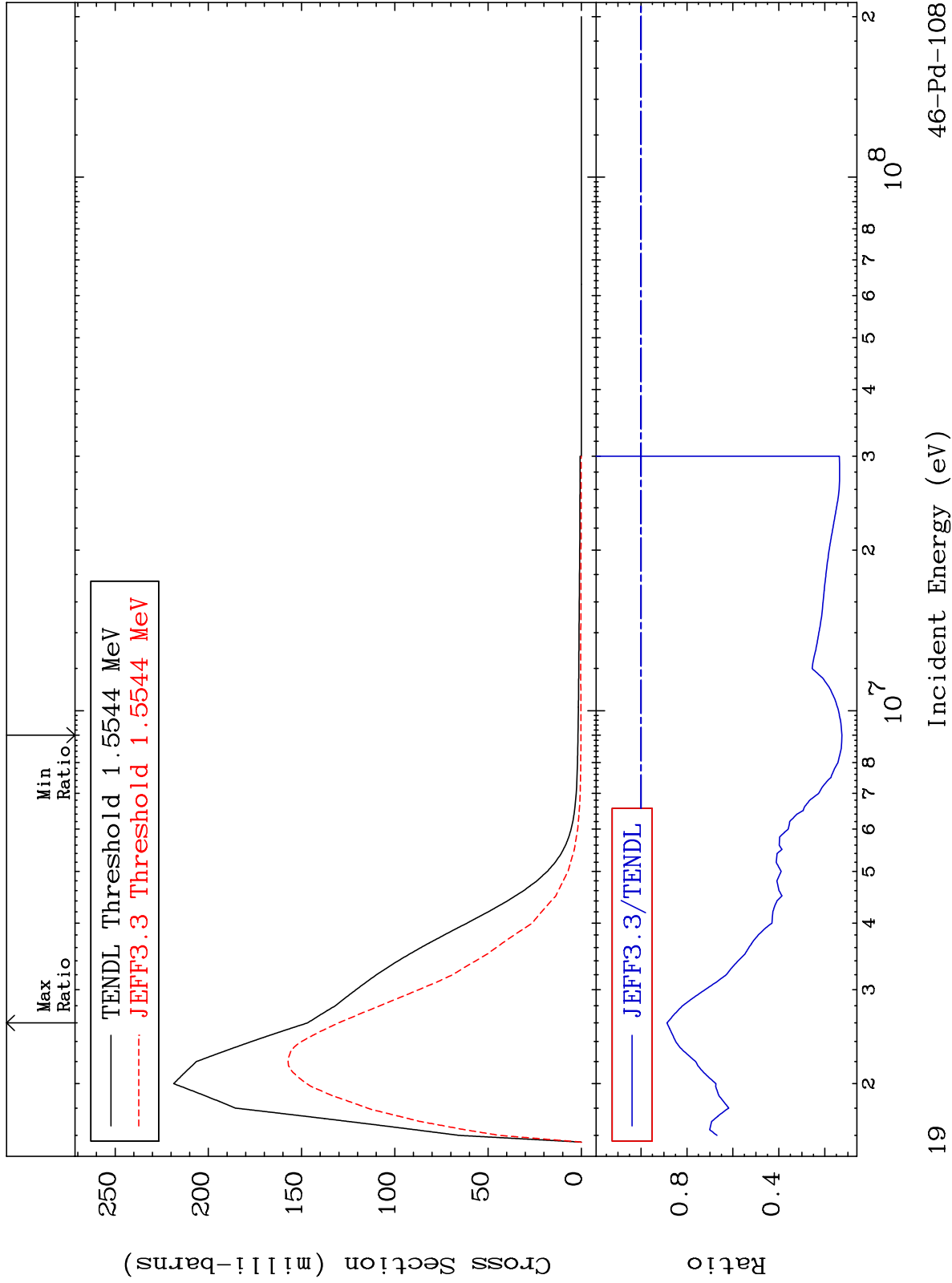
46-Pd-108
-87.60 To 13.93 %



MAT 4643

MT= 58 (n,n') Level
Cross Section

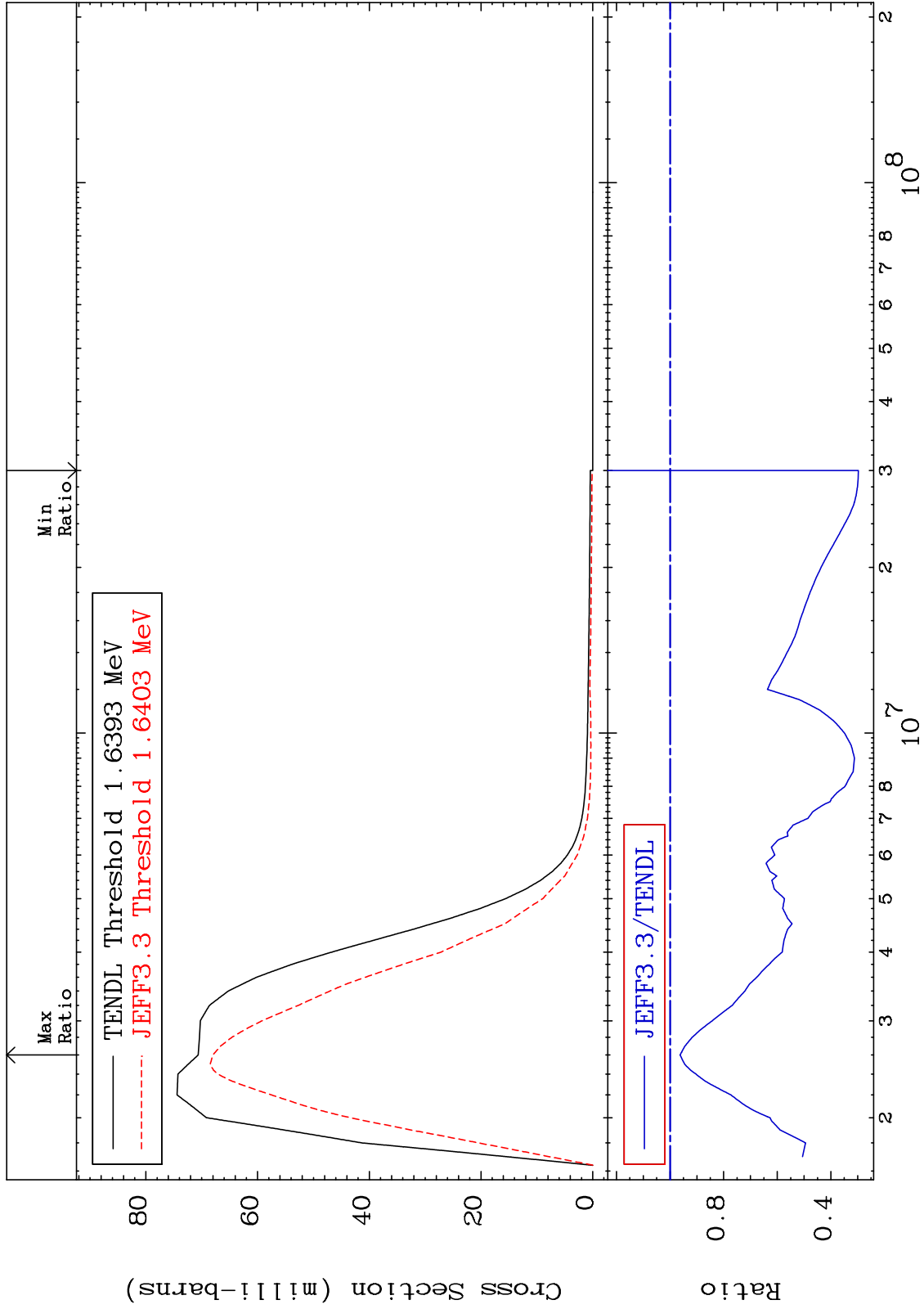
46-Pd-108
-87.43 To -11.32%



MAT 4643

MT= 59 (n,n') Level
Cross Section

46-Pd-108
-70.28 To -3.712%



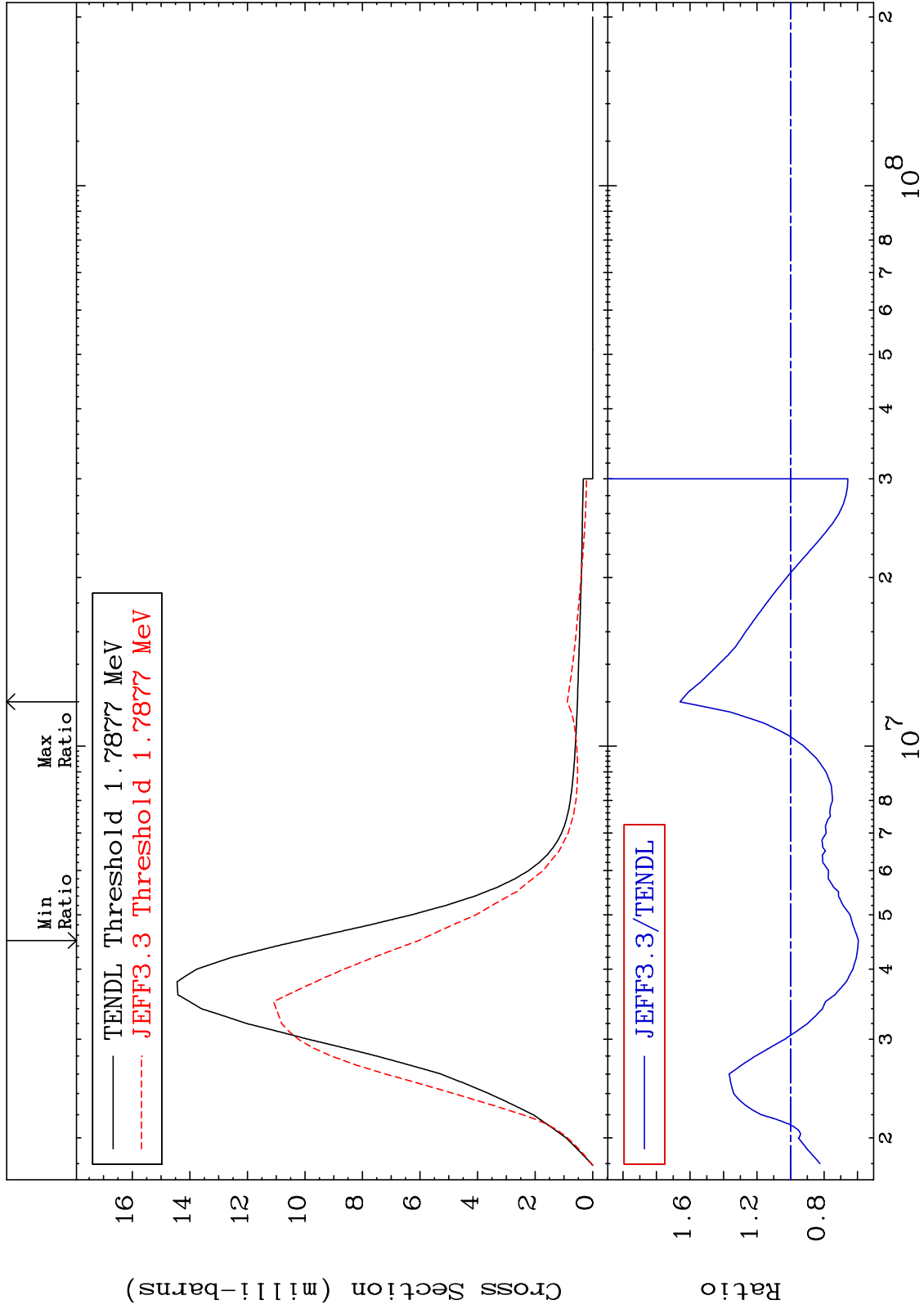
20

46-Pd-108

MAT 4643

MT= 60 (n,n') Level
Cross Section

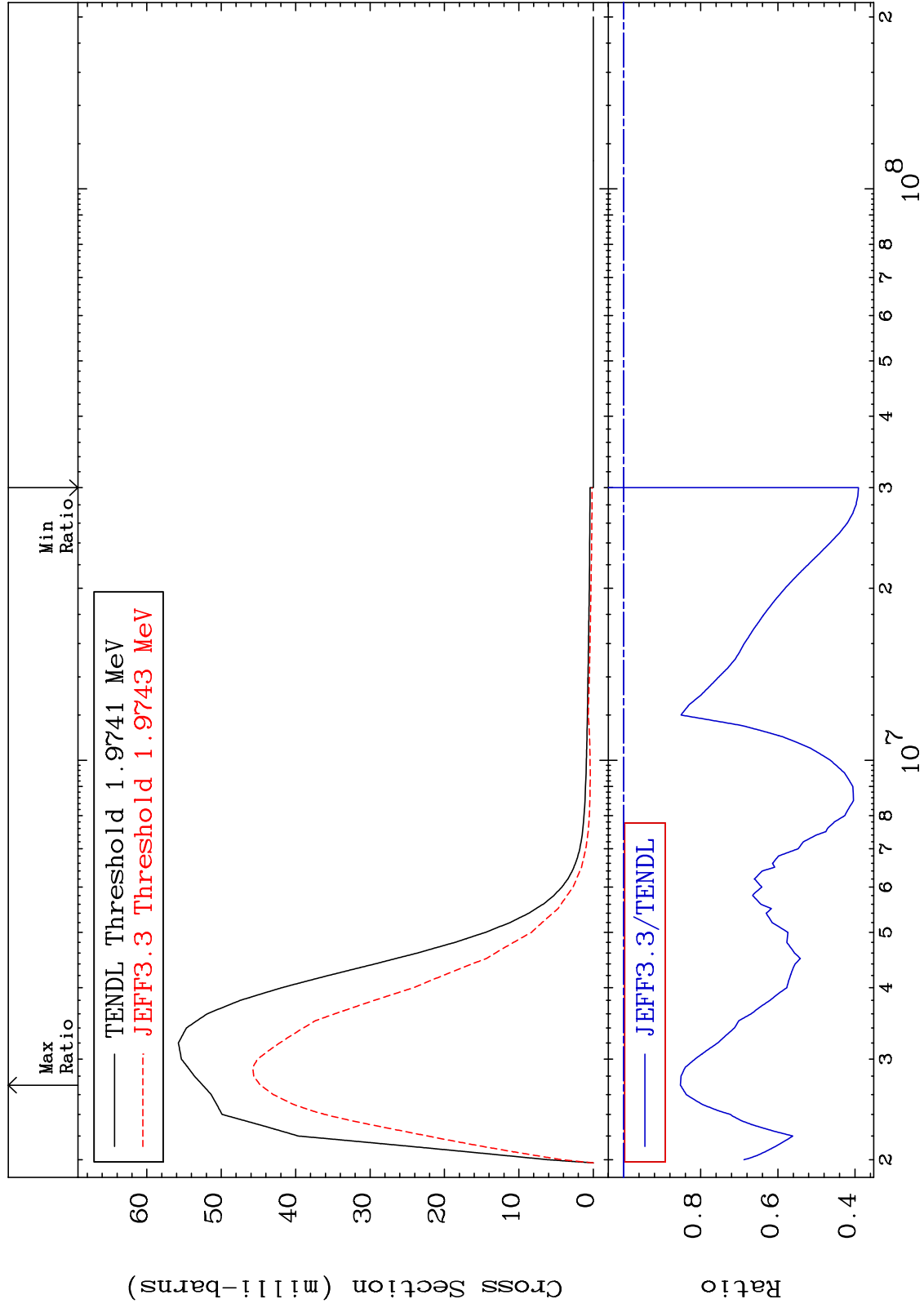
46-Pd-108
-40.51 To 65.95 %



MAT 4643

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

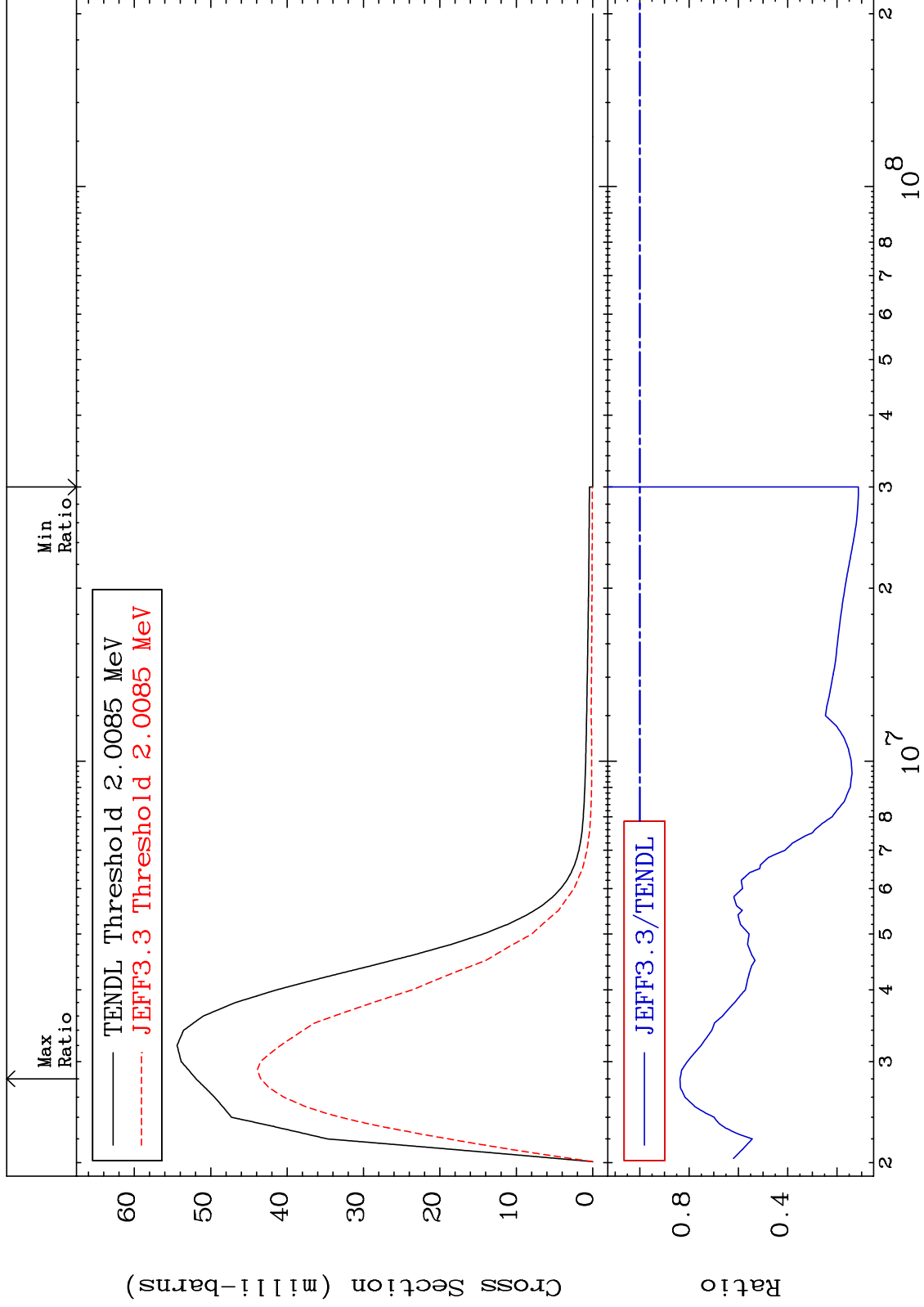
46-Pd-108
-60.92 To -14.74%



MAT 4643

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

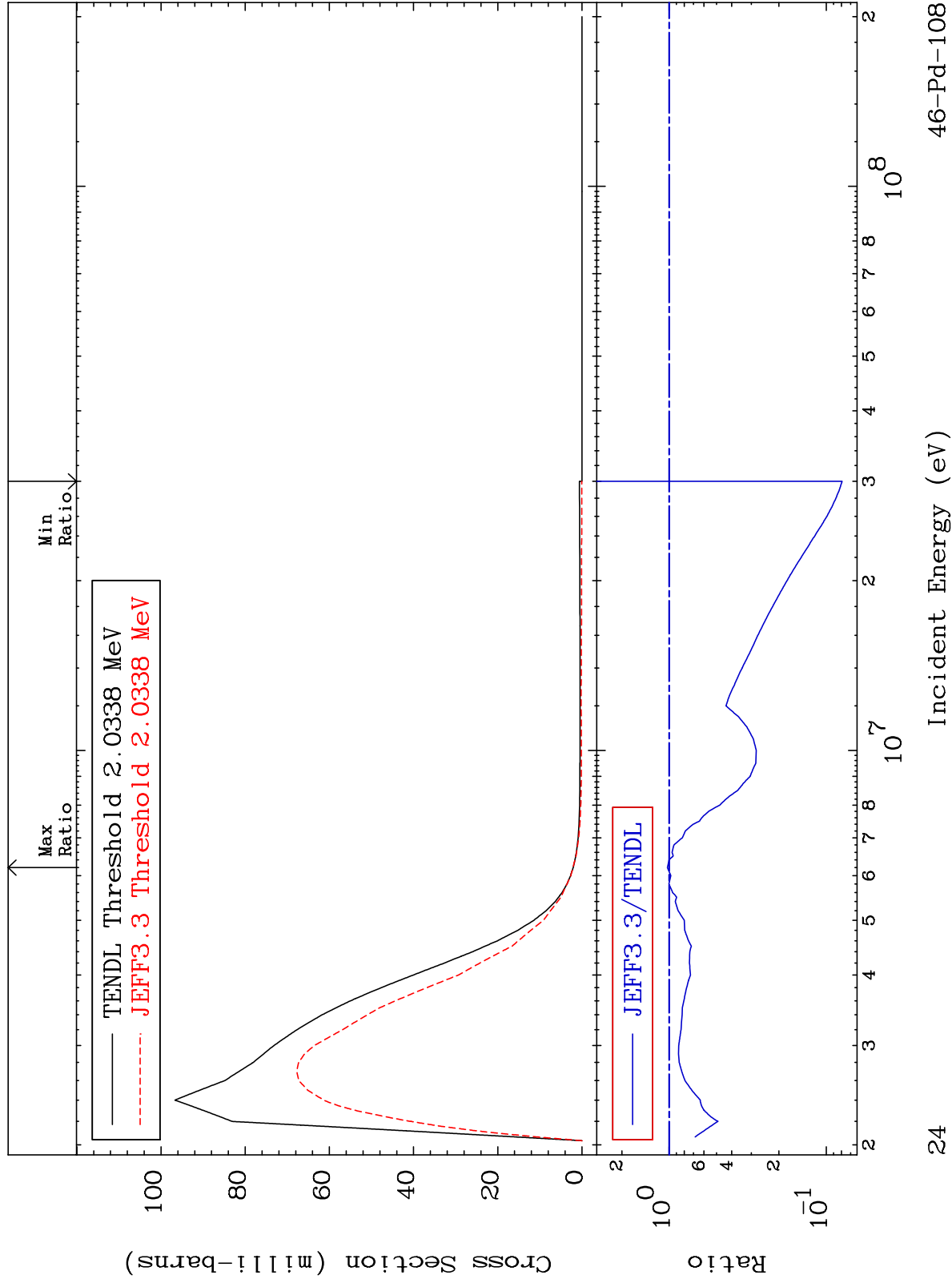
46-Pd-108
-88.71 To -16.33%



MAT 4643

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

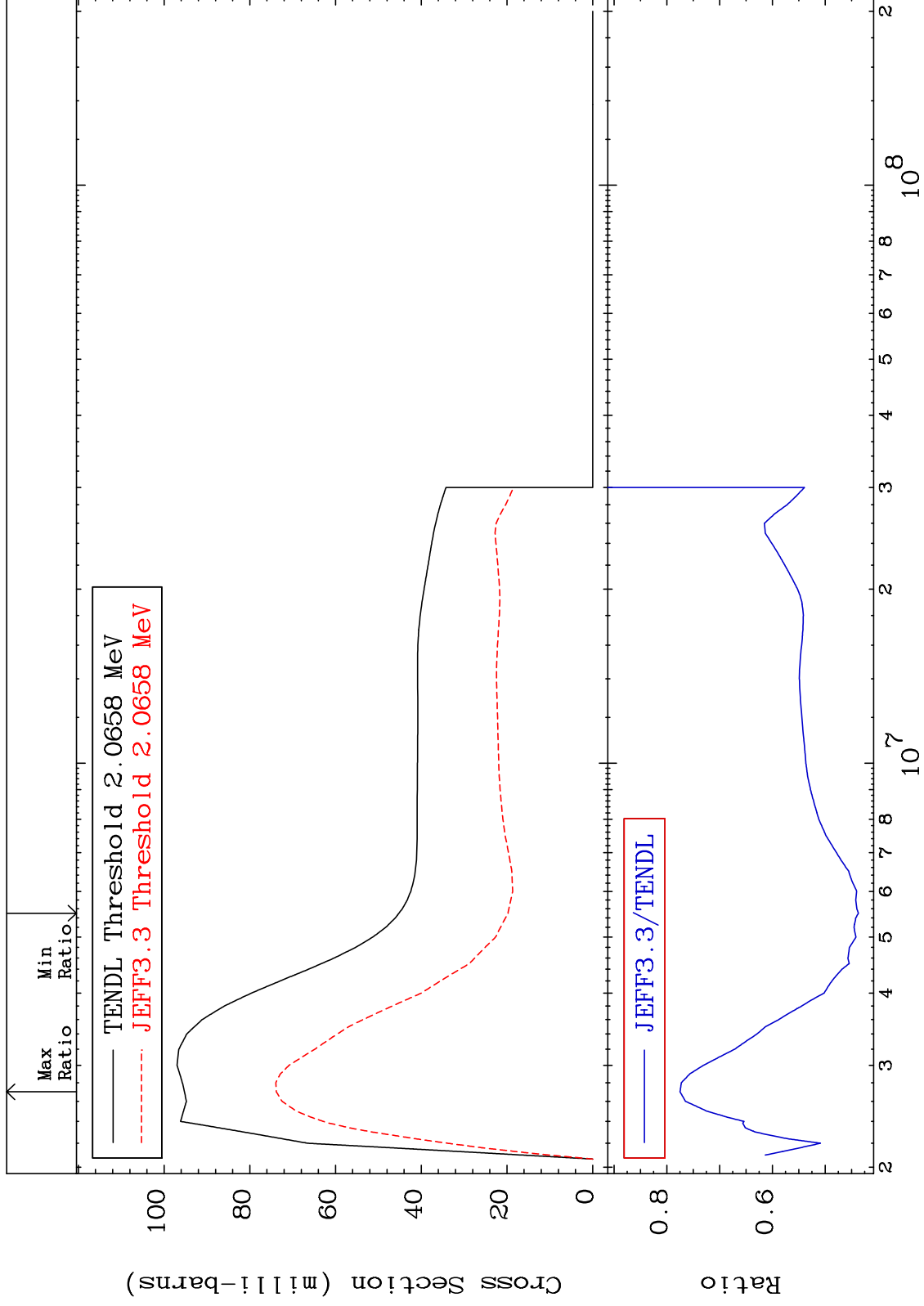
46-Pd-108
-92.07 To 2.450 %



MAT 4643

MT= 64 (n,n') Level
Cross Section

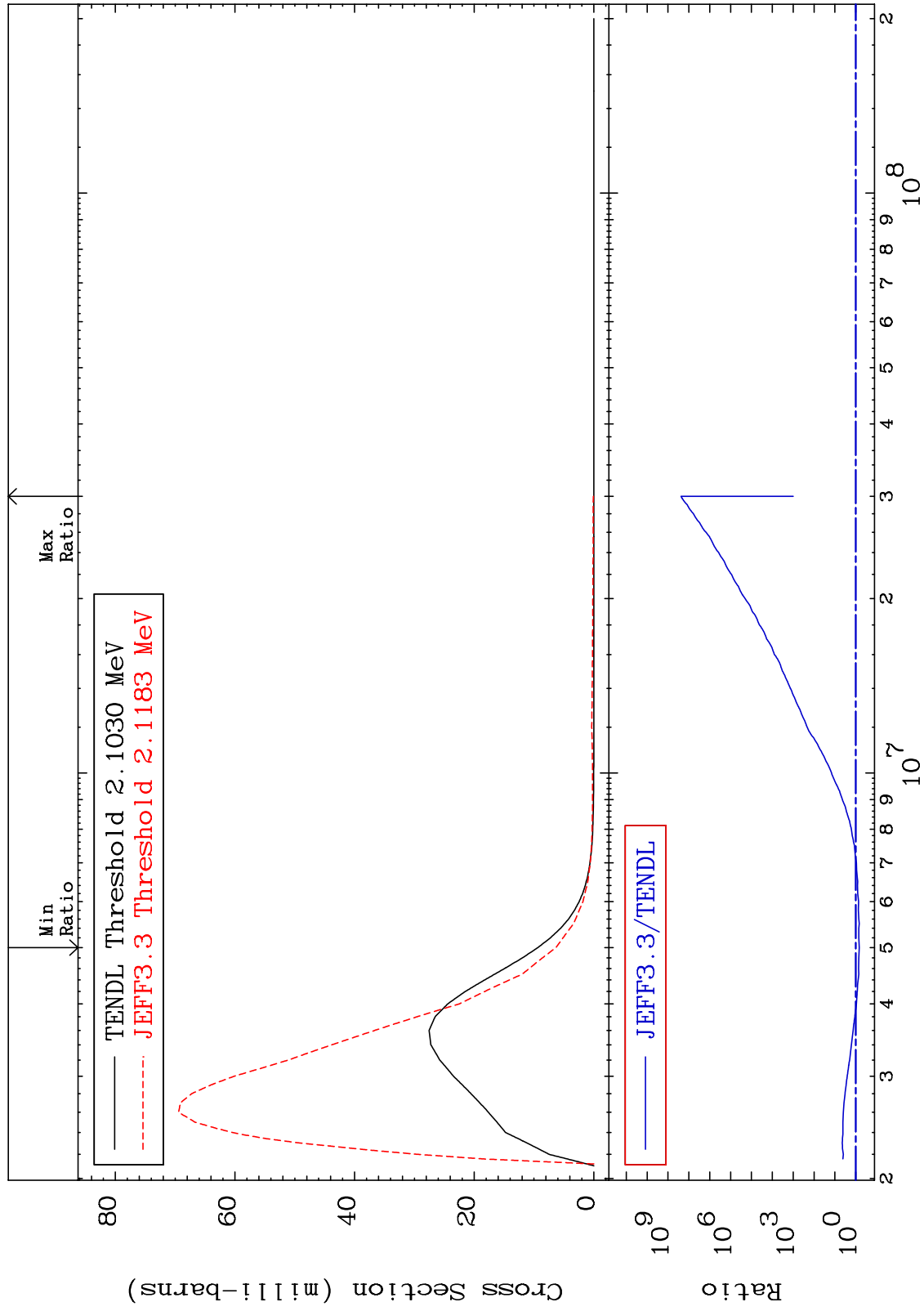
46-Pd-108
-56.30 To -22.51%



MAT 4643

MT= 65 (n,n') Level
Cross Section

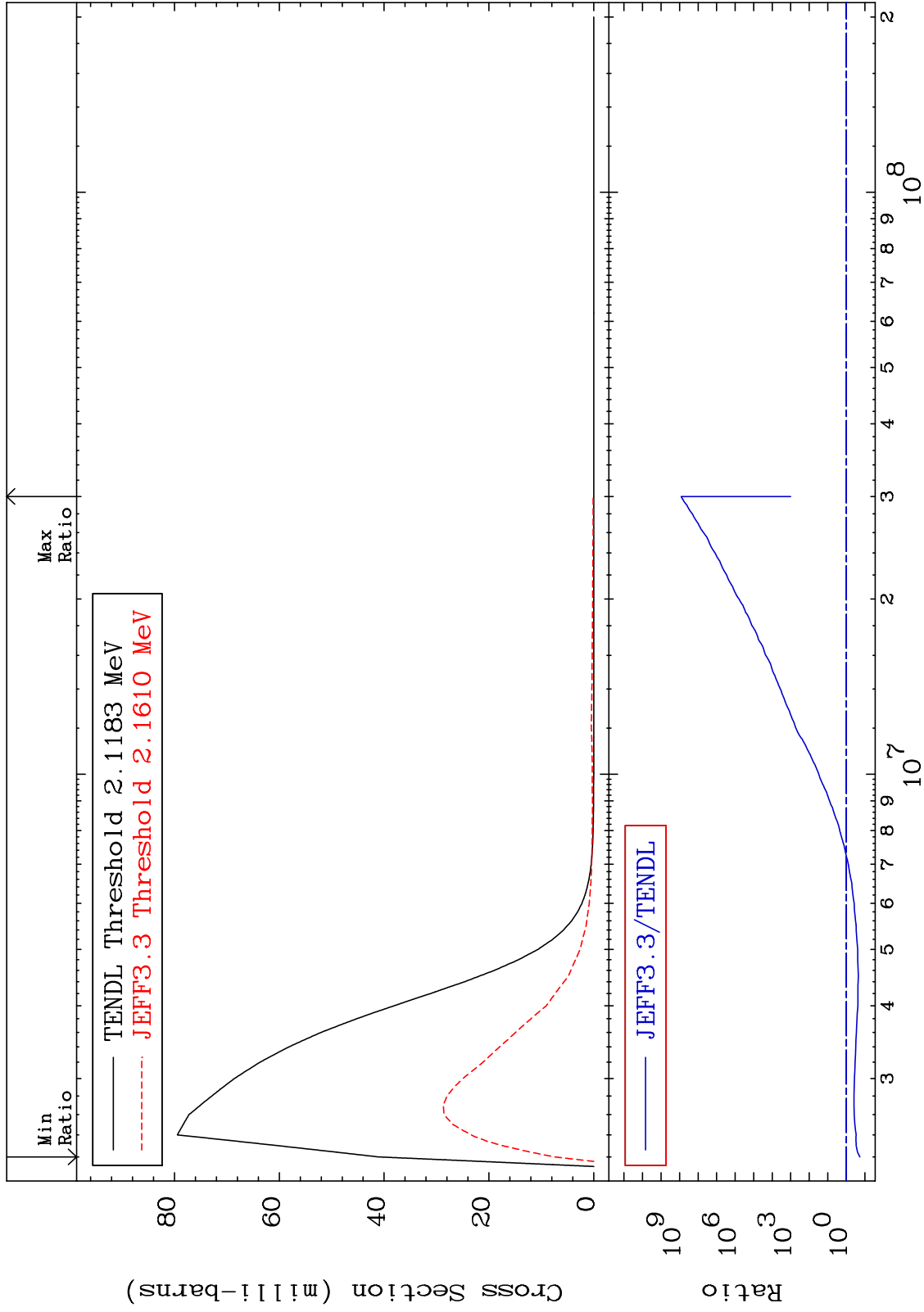
46-Pd-108
-32.34 To 9999. %



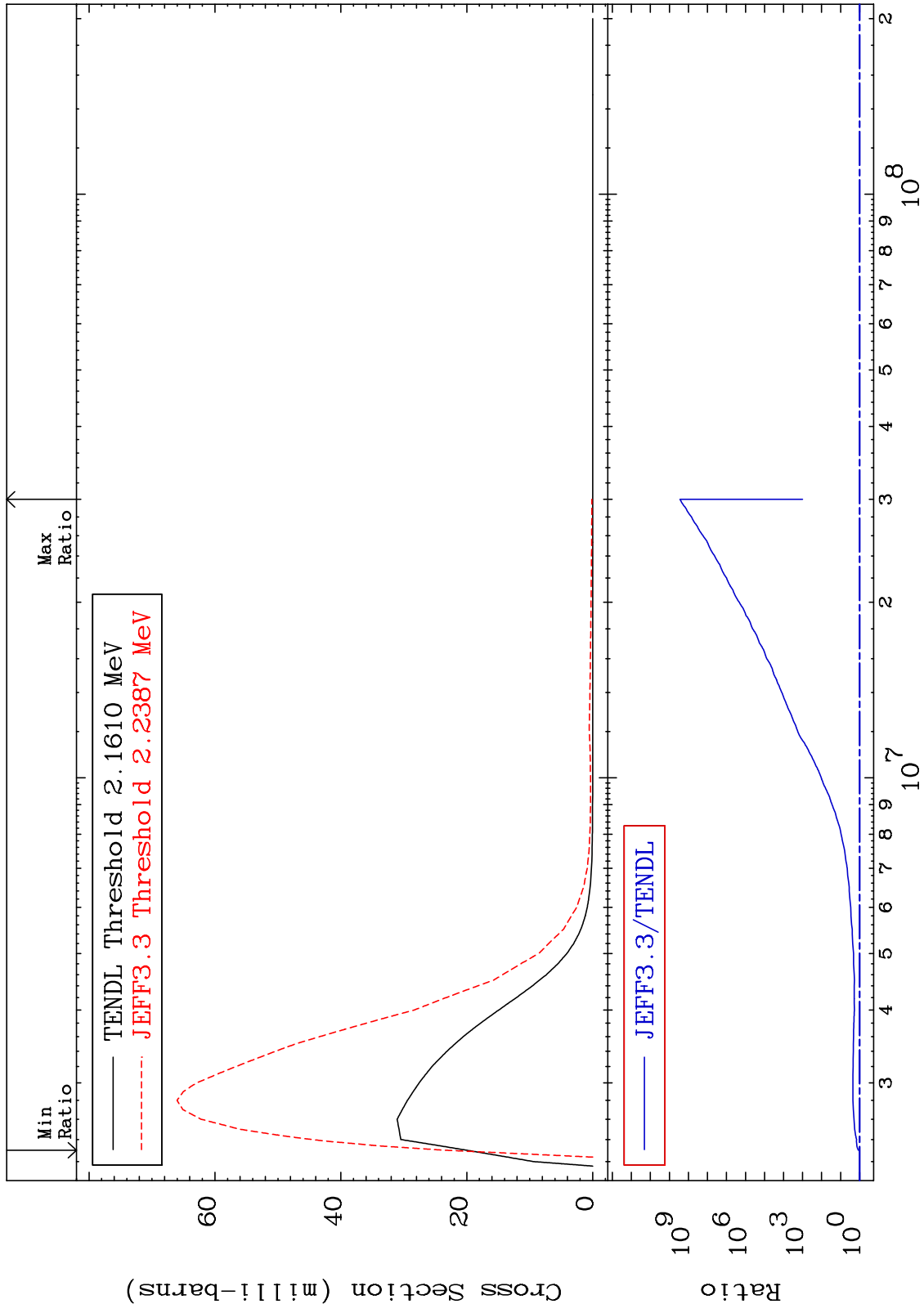
MAT 4643

MT= 66 (n,n') Level
Cross Section

46-Pd-108
-81.68 To 9999. %



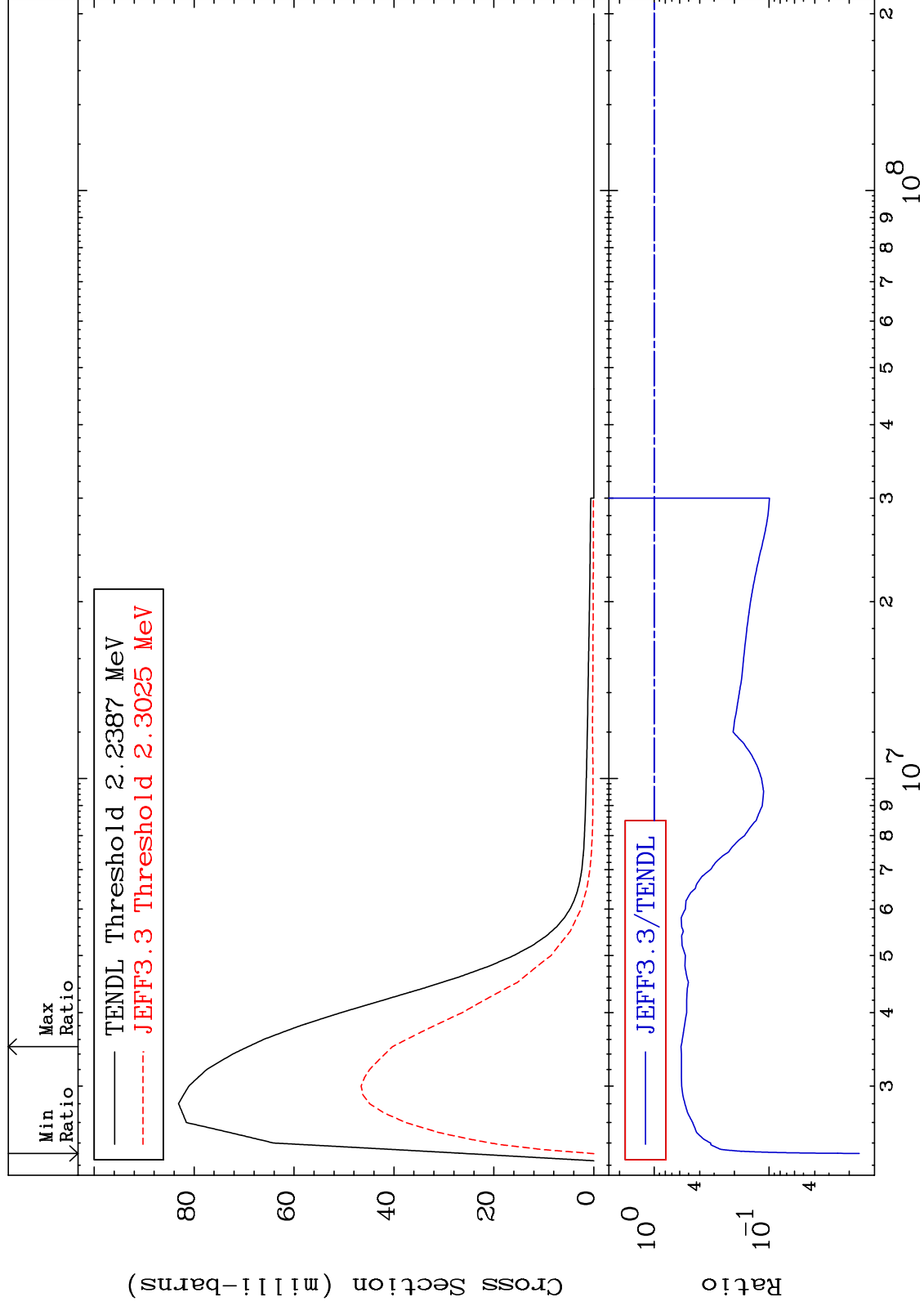
MAT 4643 MT= 67 (n, n') Level Cross Section 46-Pd-108 16.43 To 9999. %



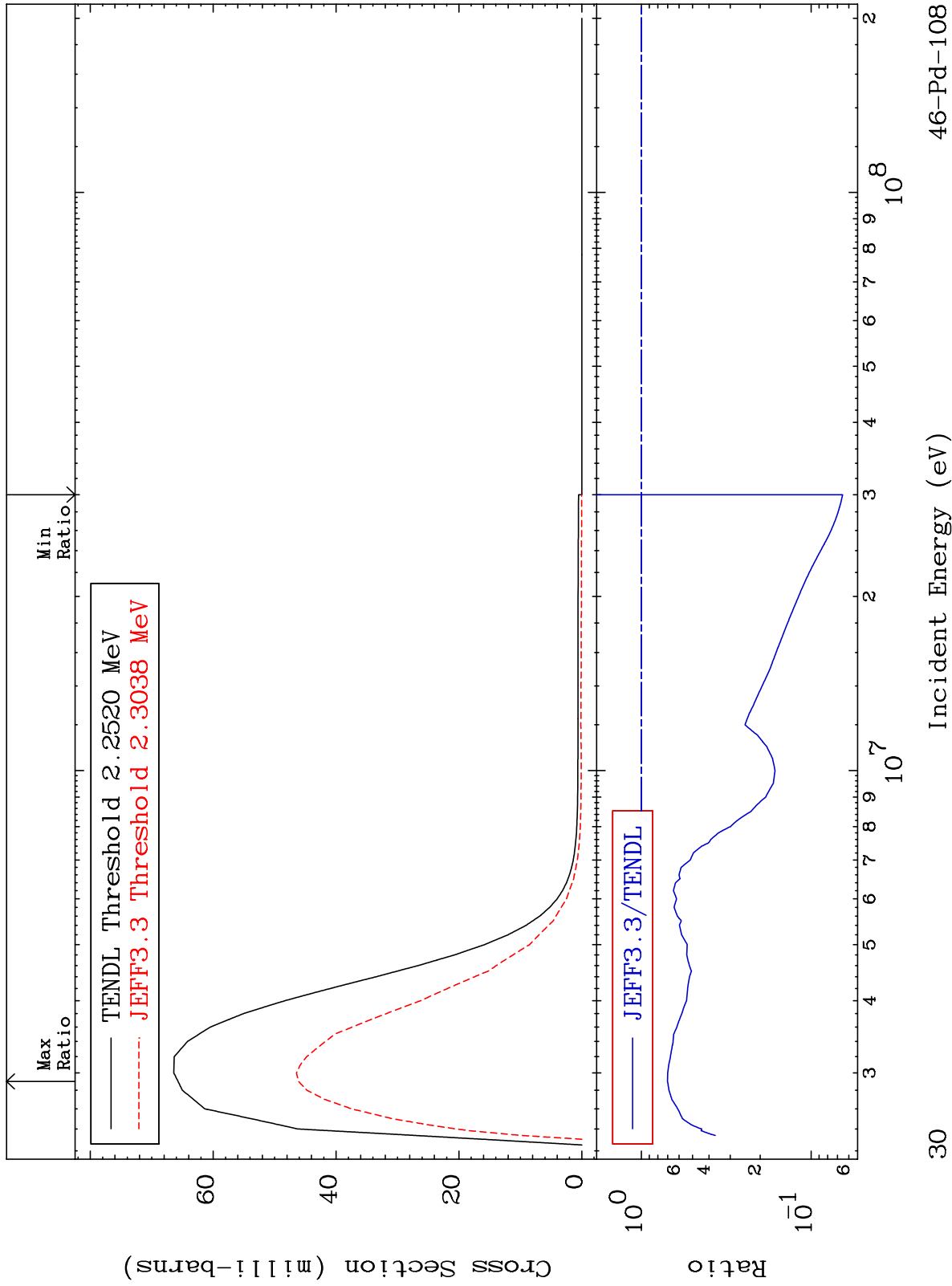
MAT 4643

MT= 68 (n,n') Level
Cross Section

46-Pd-108
-98.36 To -41.76%



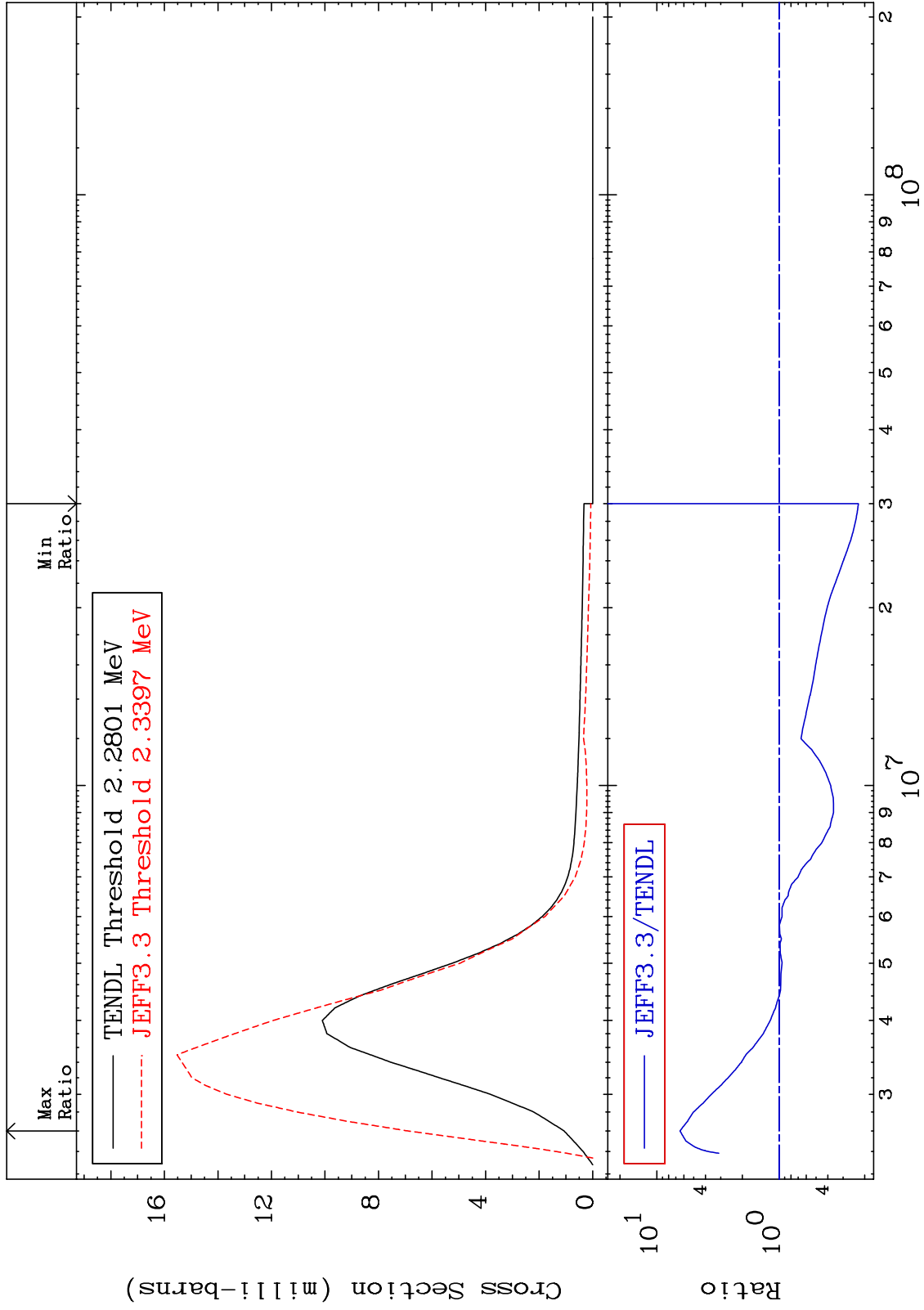
MAT 4643 MT= 69 (n,n') Level Cross Section 46-Pd-108
 -93.47 To -29.83%



MAT 4643

MT= 70 (n,n') Level
Cross Section

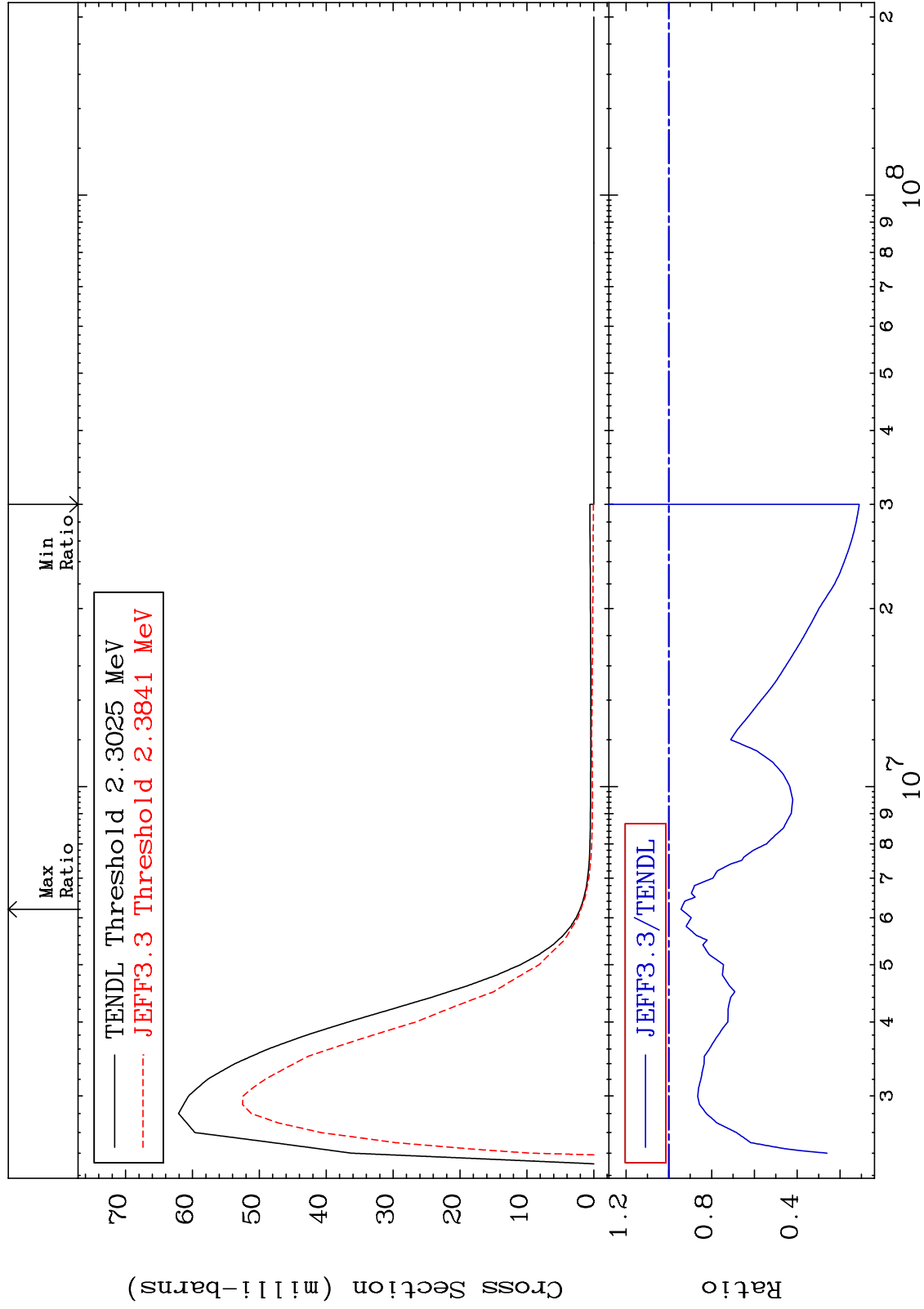
46-Pd-108
-77.51 To 546.1 %



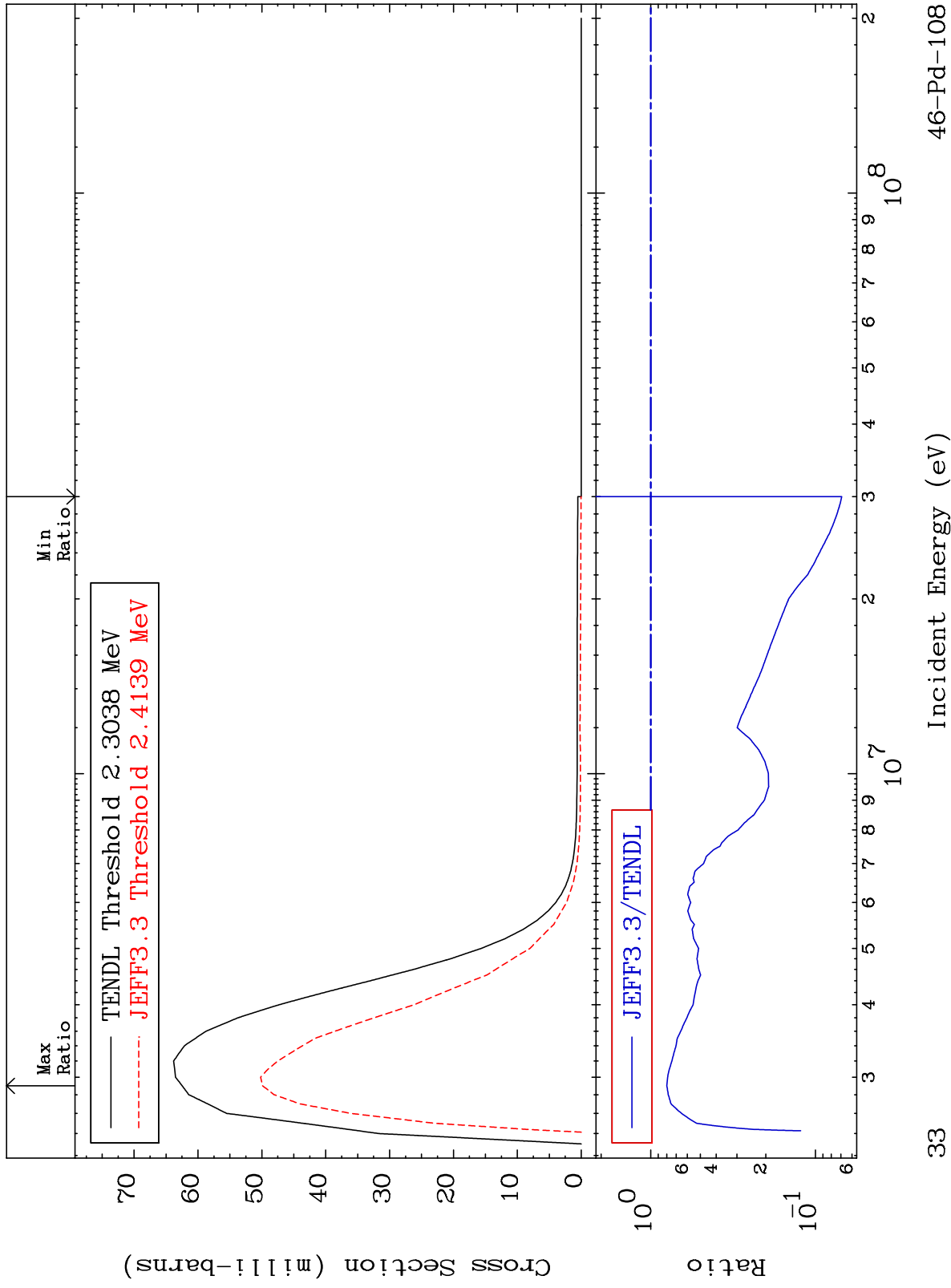
MAT 4643

MT= 71 (n,n') Level
Cross Section

46-Pd-108
-89.00 To -5.705%



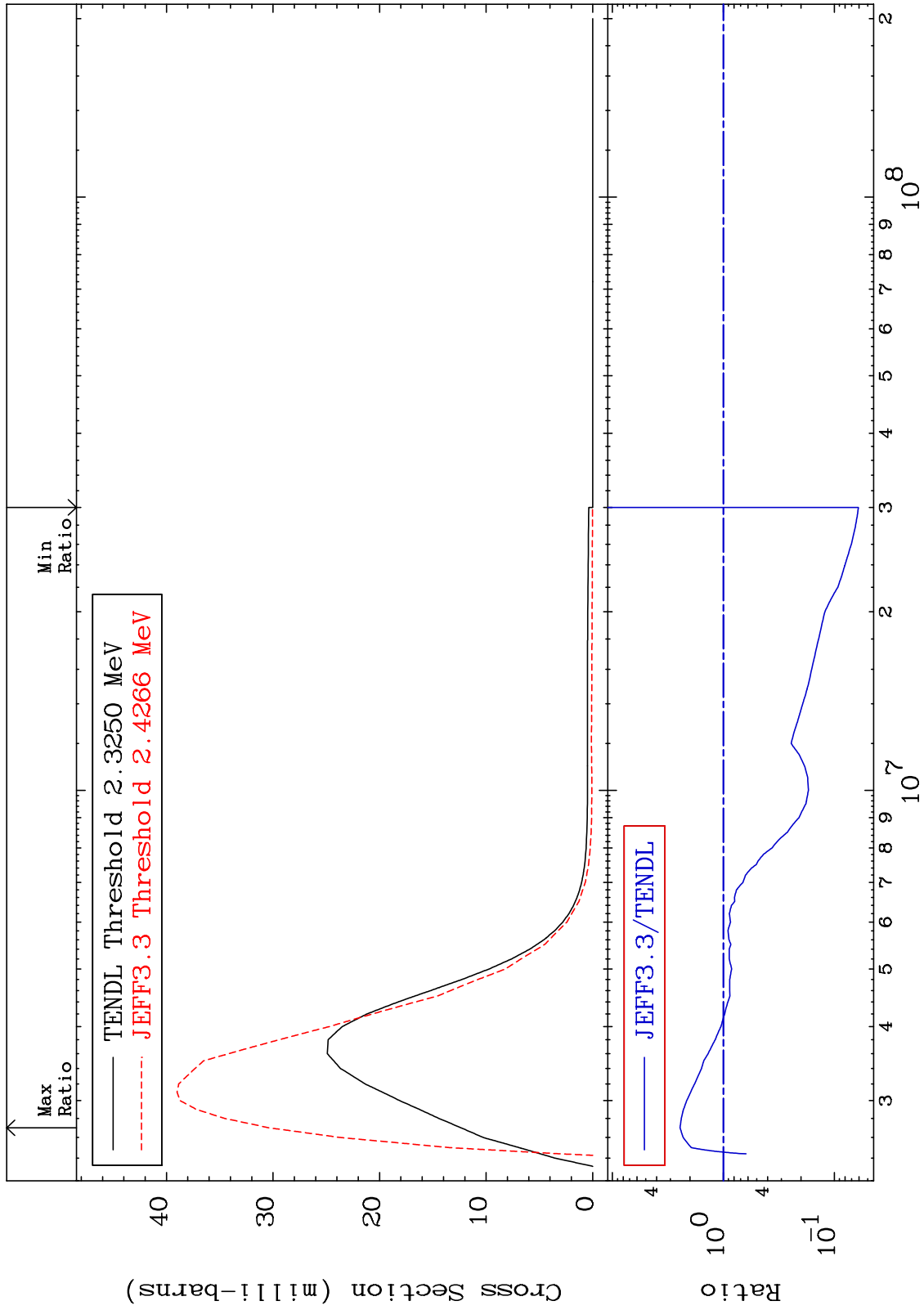
MAT 4643 MT= 72 (n, n') Level 46-Pd-108
 Cross Section -93.09 To -20.17%



MAT 4643

MT= 73 (n,n') Level
Cross Section

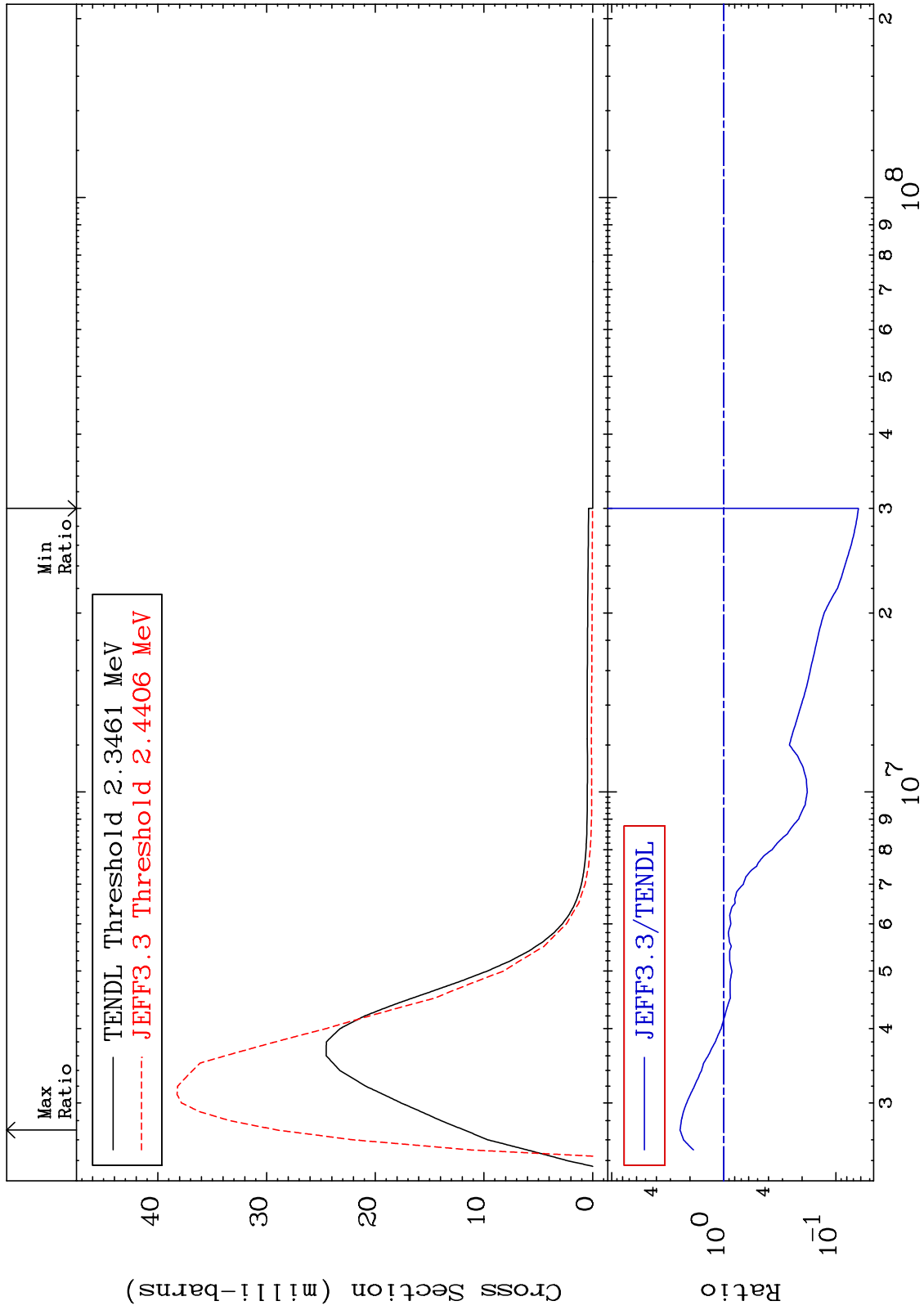
46-Pd-108
-93.93 To 145.9 %



MAT 4643

MT= 74 (n,n') Level
Cross Section

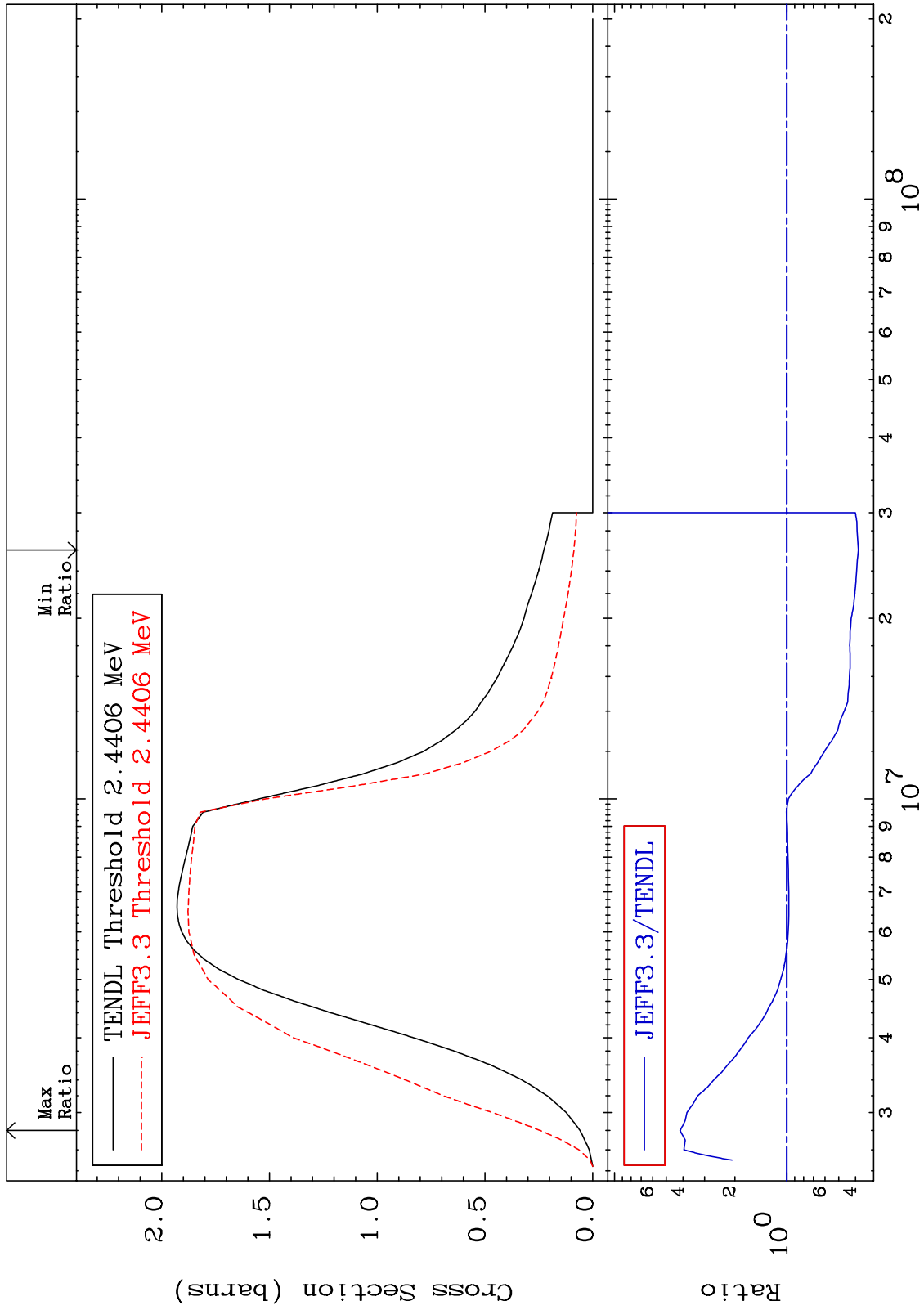
46-Pd-108
-93.70 To 145.7 %



MAT 4643

(n, n') Continuum
Cross Section

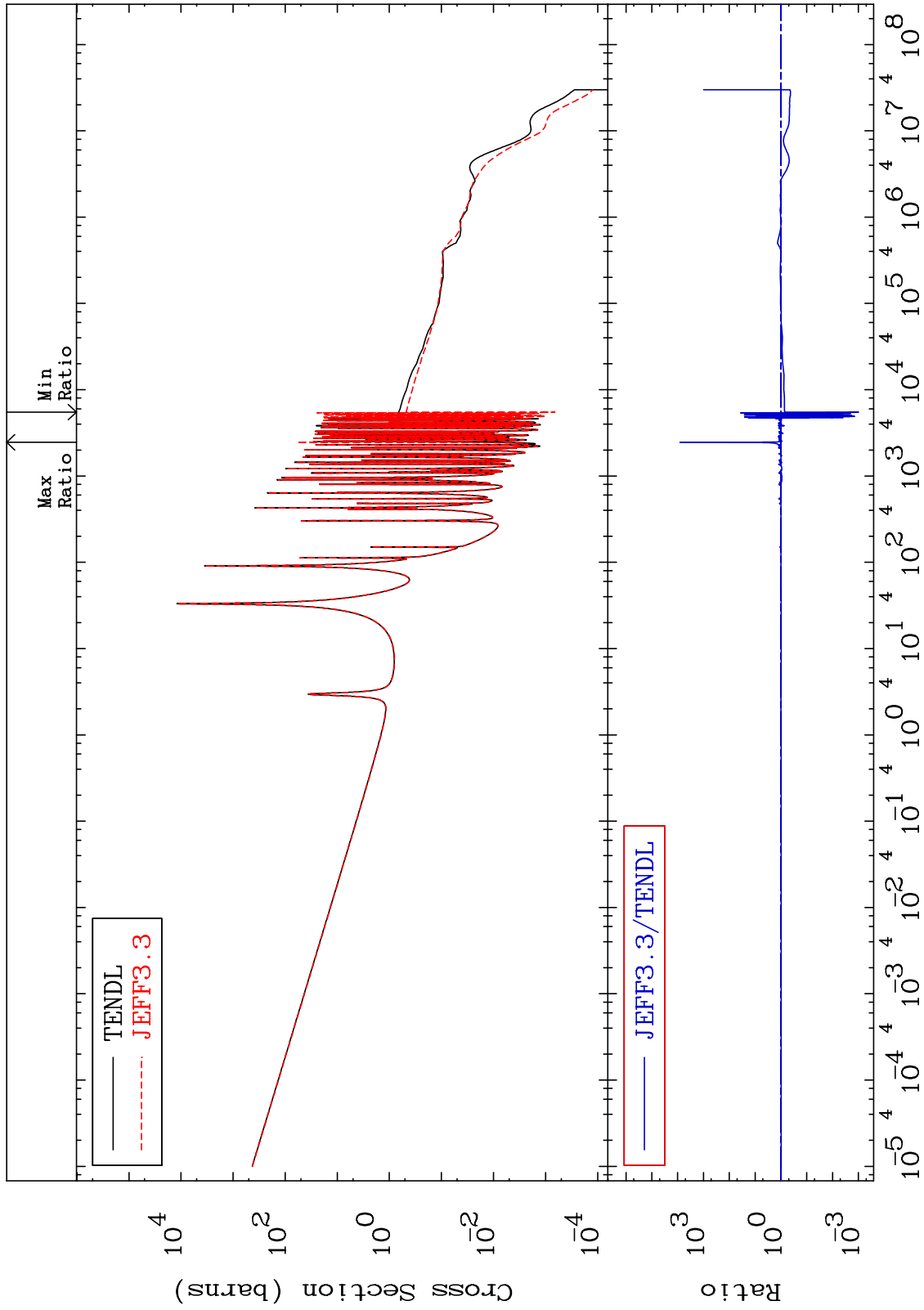
46-Pd-108
-61.57 To 316.3 %



MAT 4643

(n, γ)
Cross Section

46-Pd-108
-99.90 To 9999. %



37

46-Pd-108

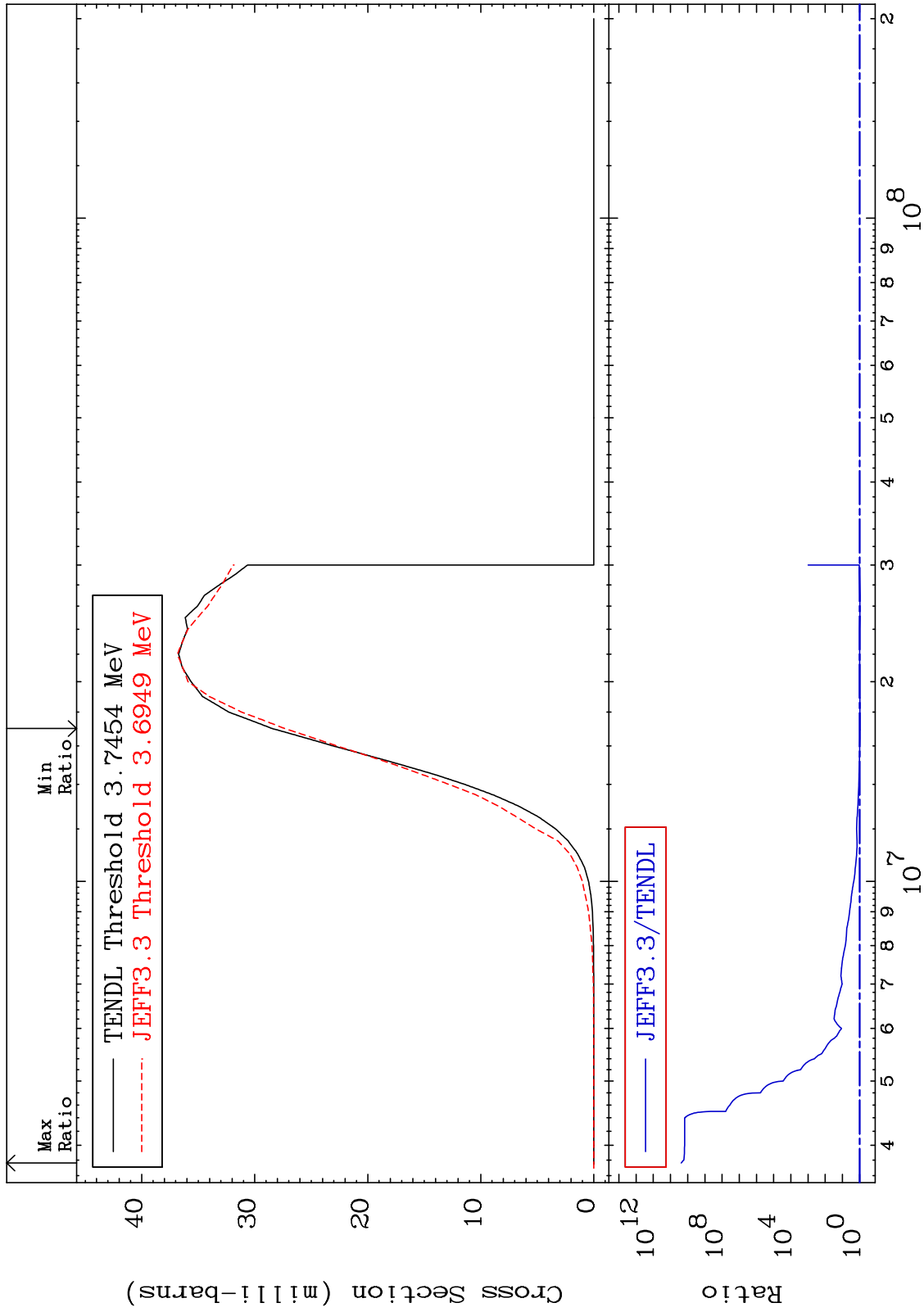
MAT 4643

(n,p)

46-Pd-108

Cross Section

-3.886 To 9999. %



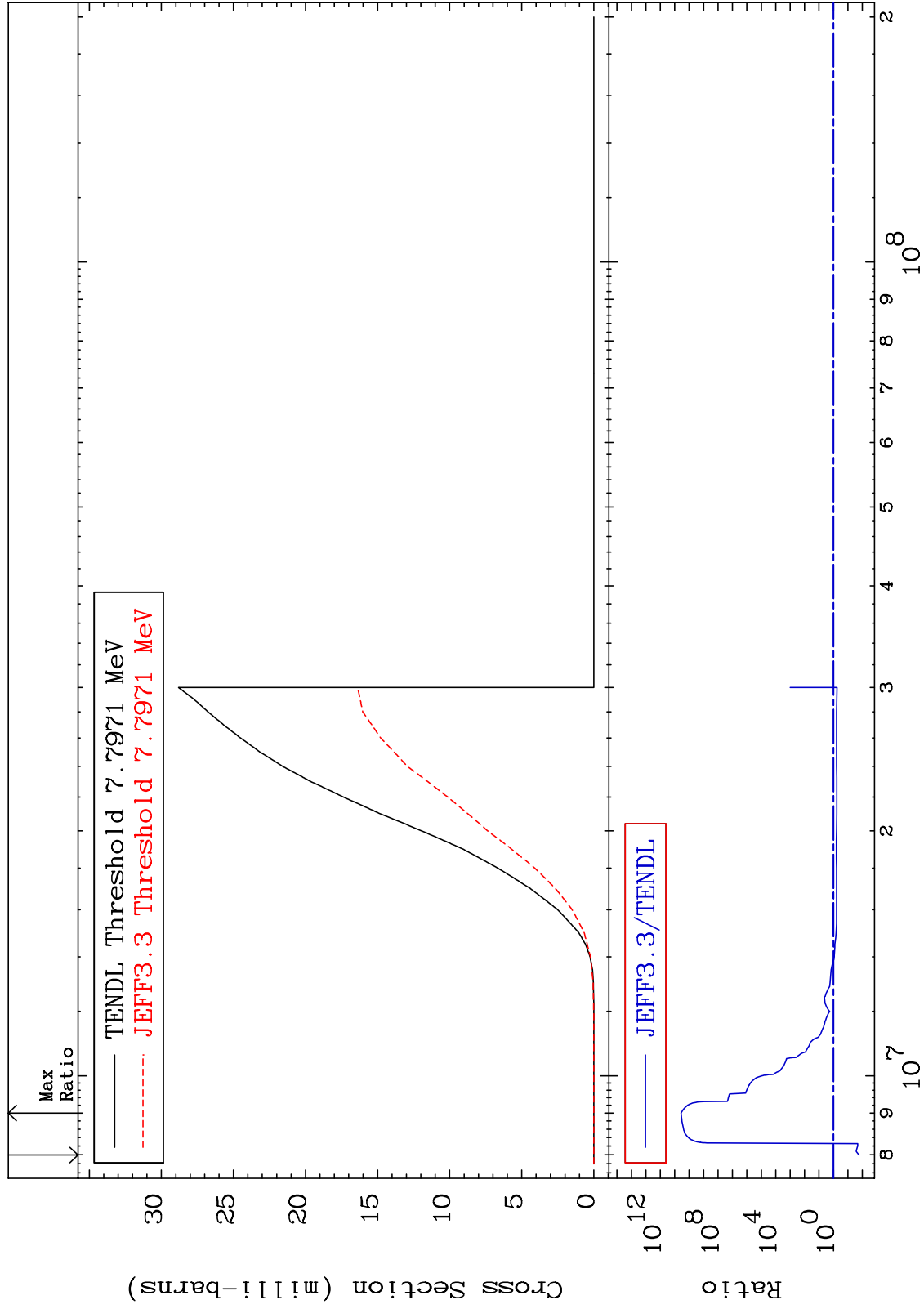
MAT 4643

(n, d)

46-Pd-108

Cross Section

-98.38 To 9999. %



39

Incident Energy (eV)

46-Pd-108

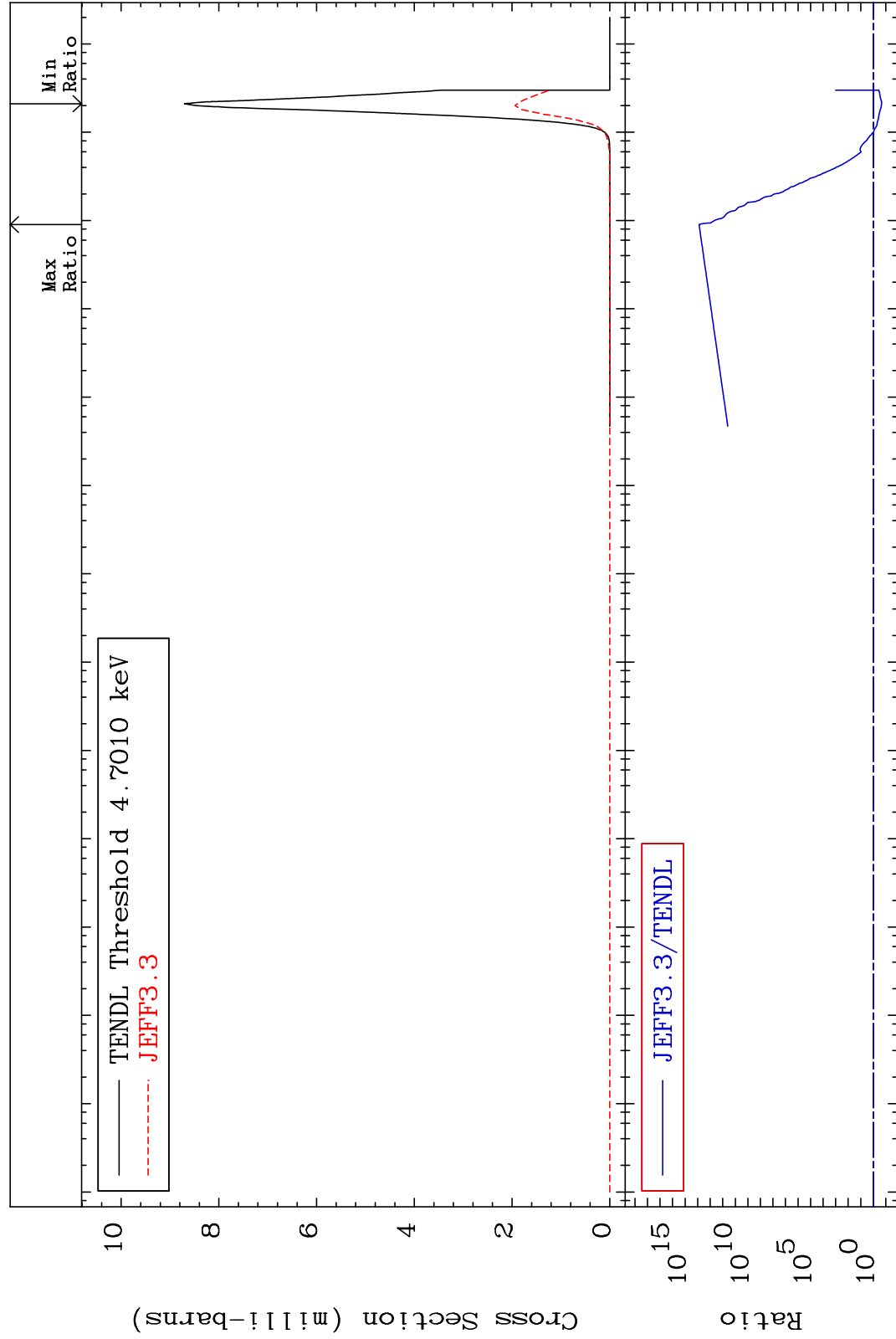
MAT 4643

(n, α)

46-Pd-108

Cross Section

-78.28 To 9999. %



40

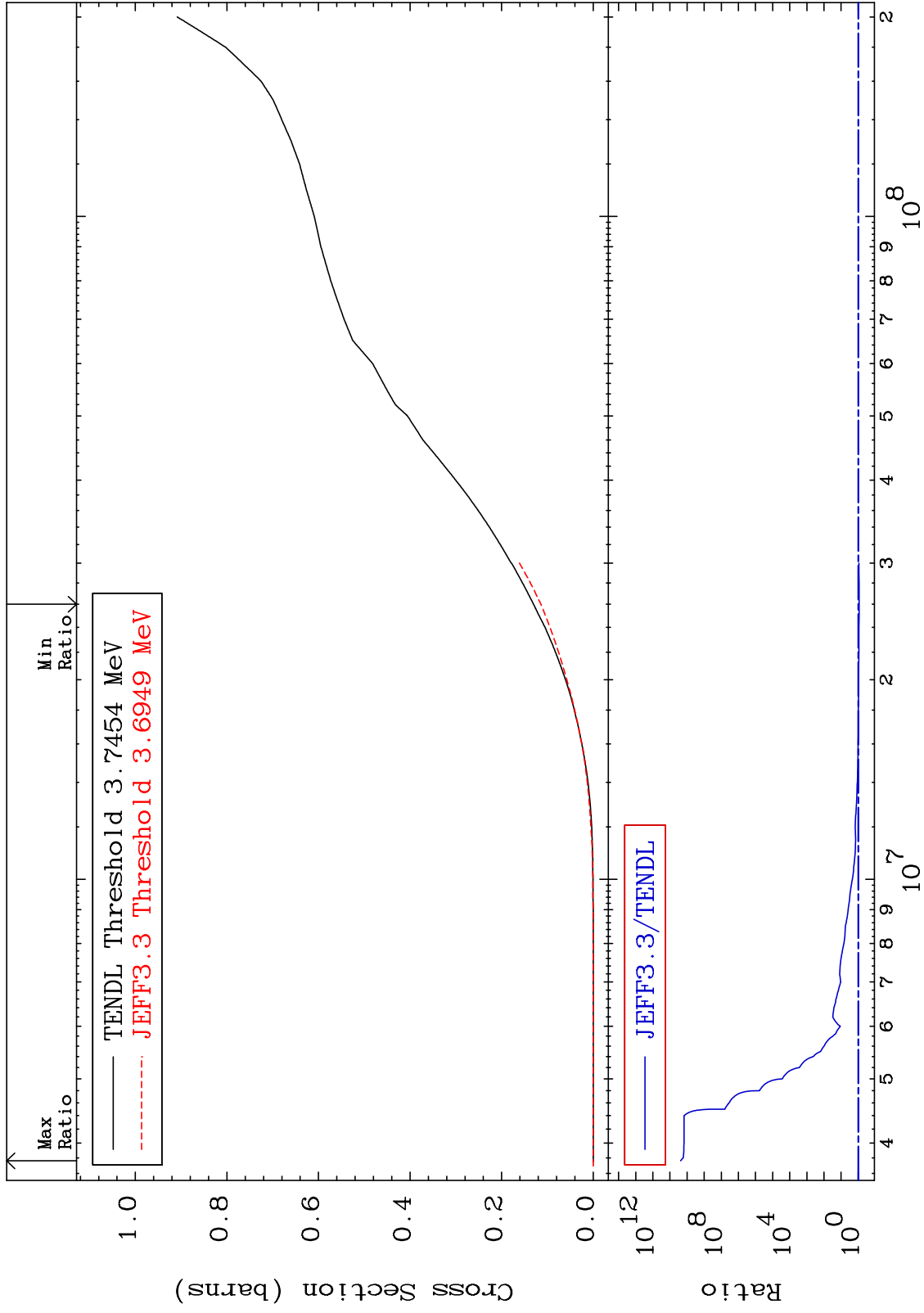
Incident Energy (eV)

46-Pd-108

MAT 4643

Hydrogen Production
Cross Section

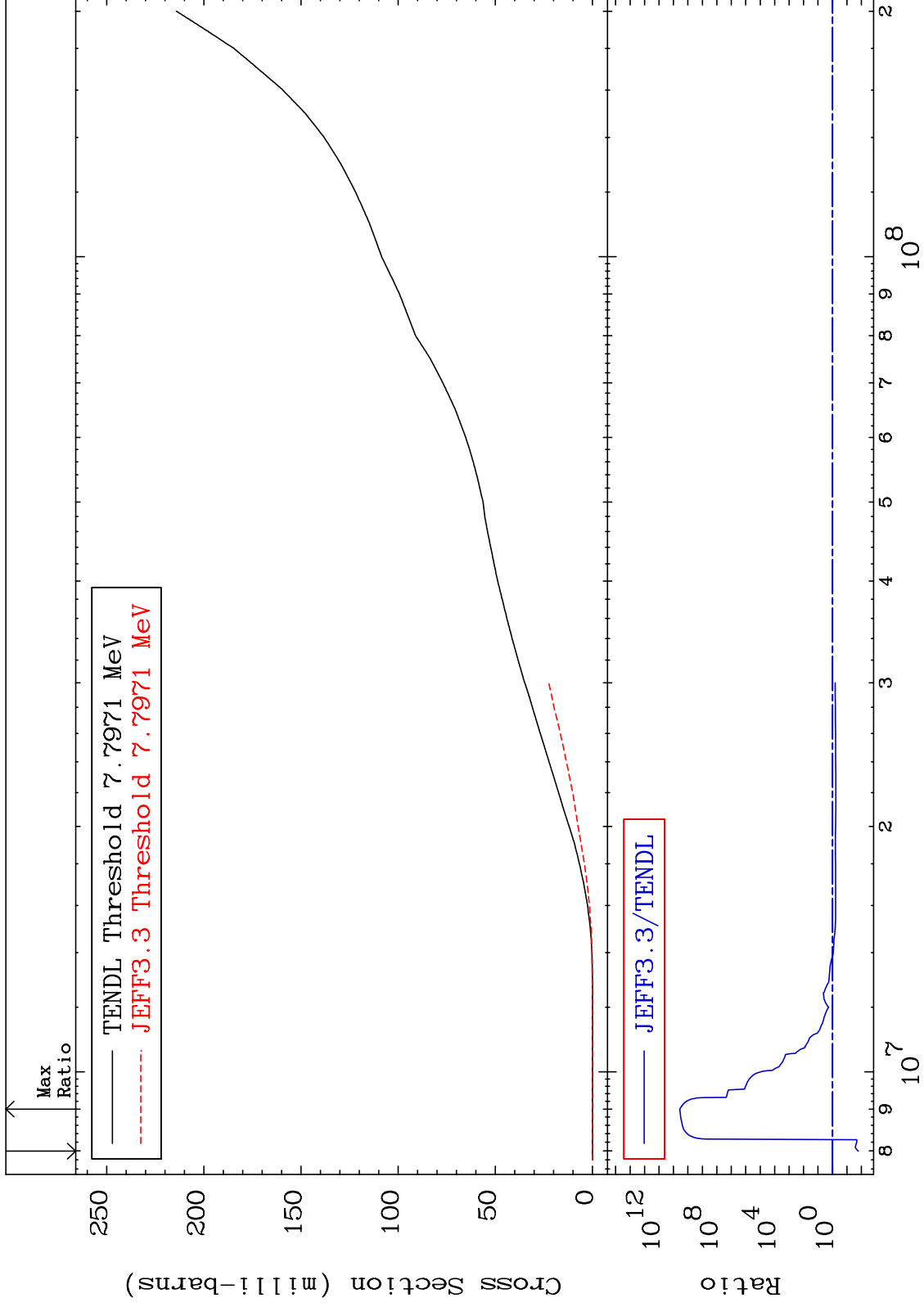
46-Pd-108
-12.27 To 9999. %



MAT 4643

Deuterium Production
Cross Section

46-Pd-108
-98.38 To 9999. %



42

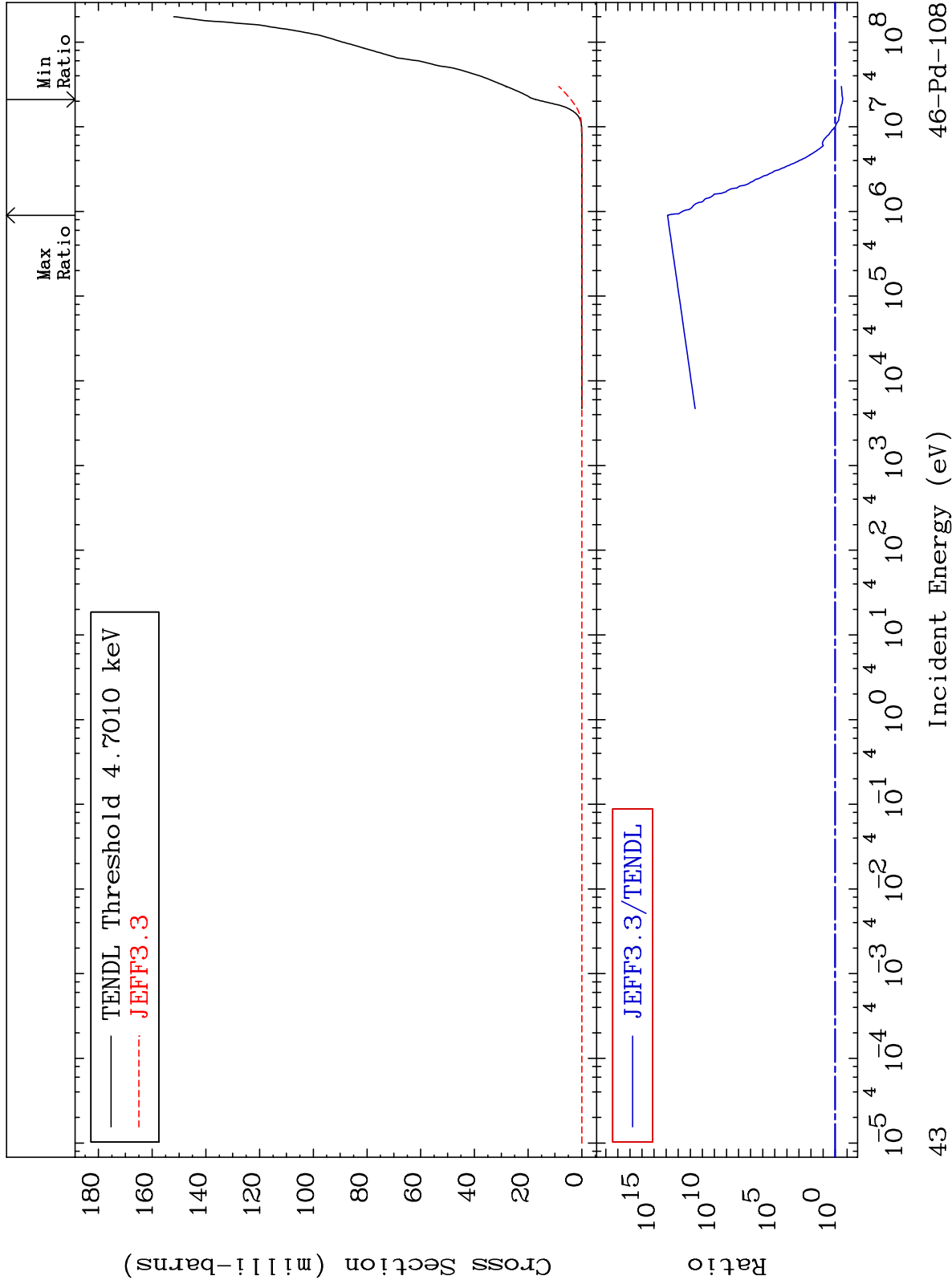
Incident Energy (eV)

46-Pd-108

MAT 4643

He-4 Production
Cross Section

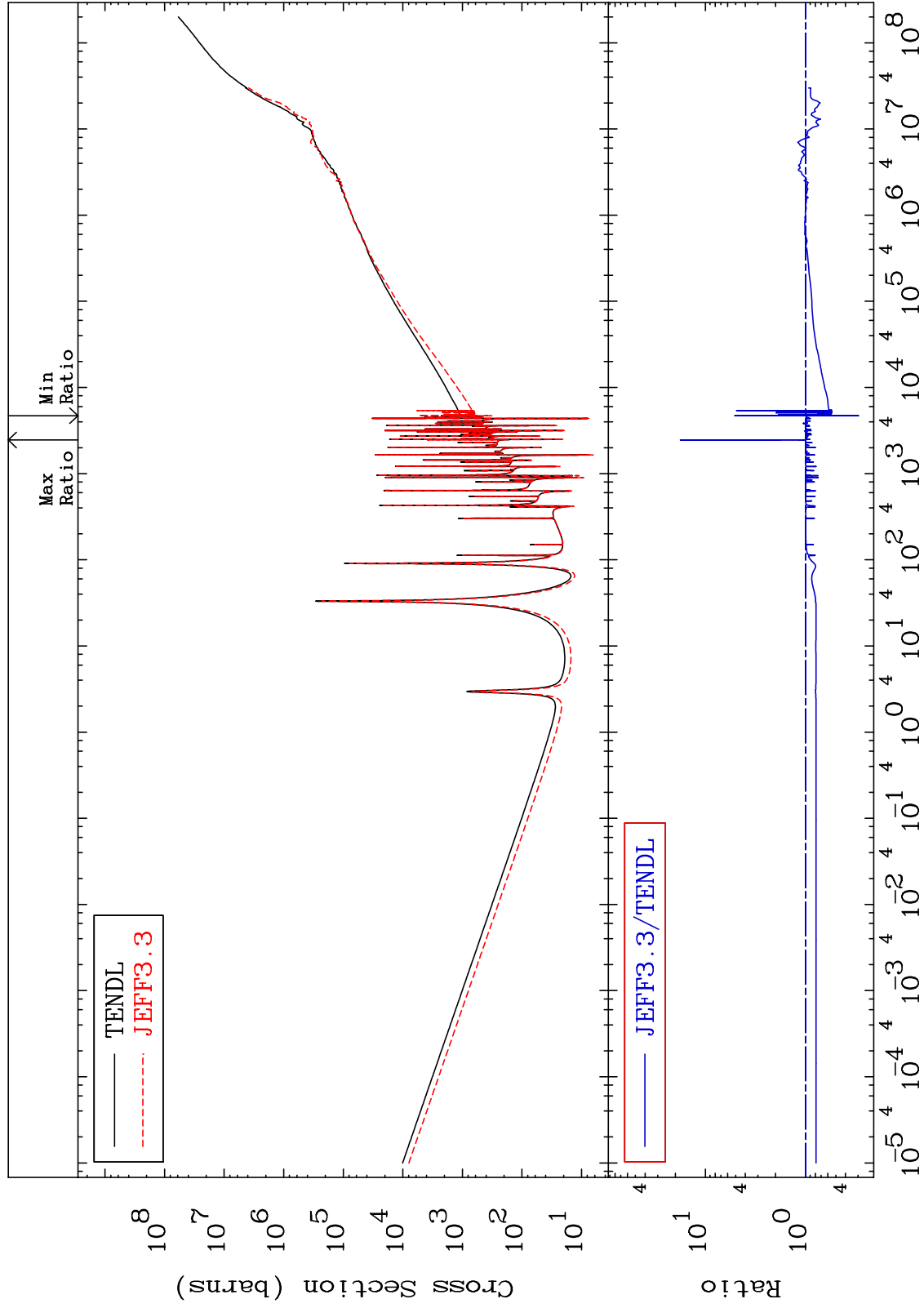
46-Pd-108
-76.16 To 9999. %



MAT 4643

Kerma total (eV-barns)
Cross Section

46-Pd-108
-70.37 To 1676. %



44

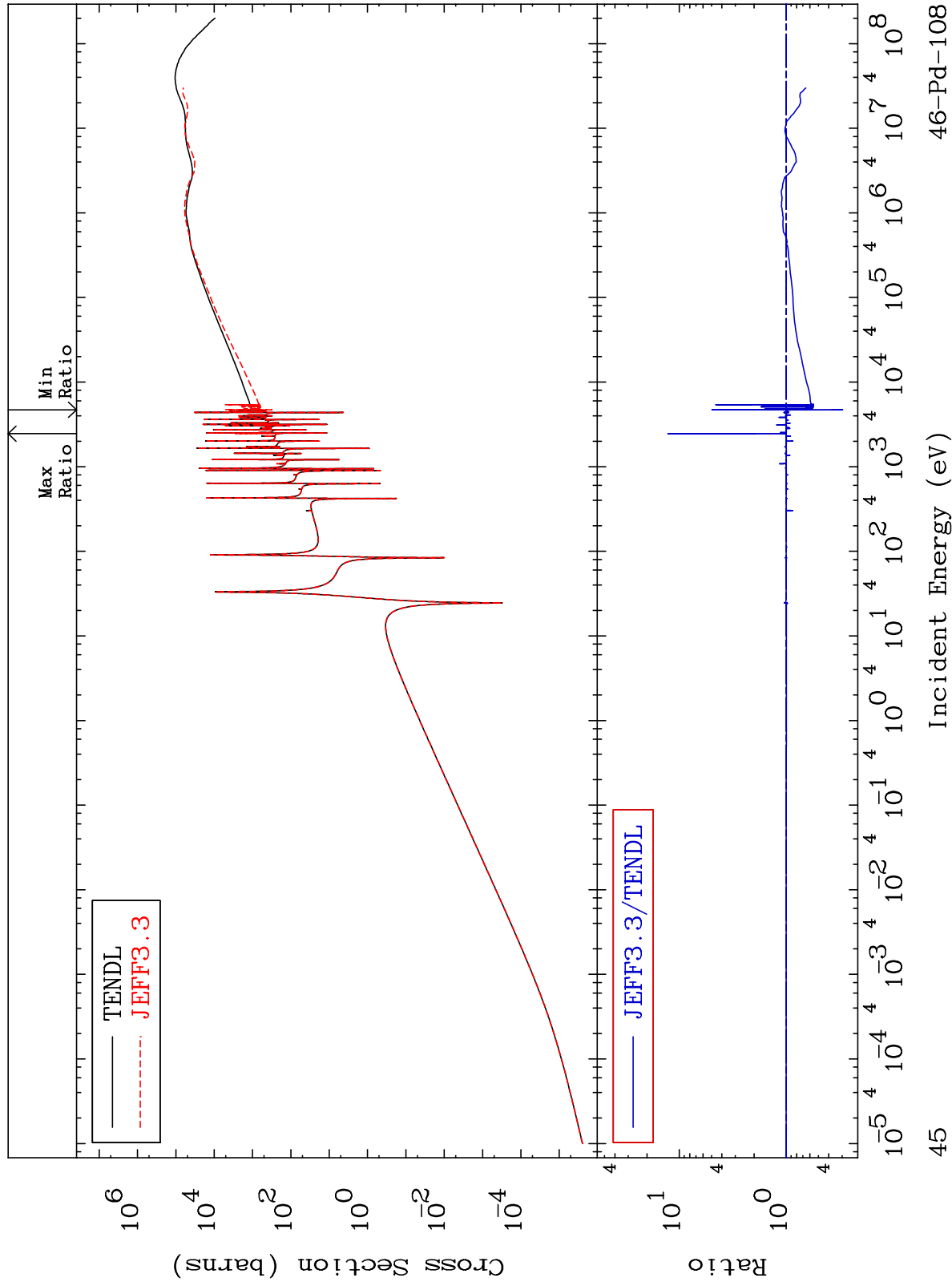
Incident Energy (eV)

46-Pd-108

MAT 4643

Kerma elastic
Cross Section

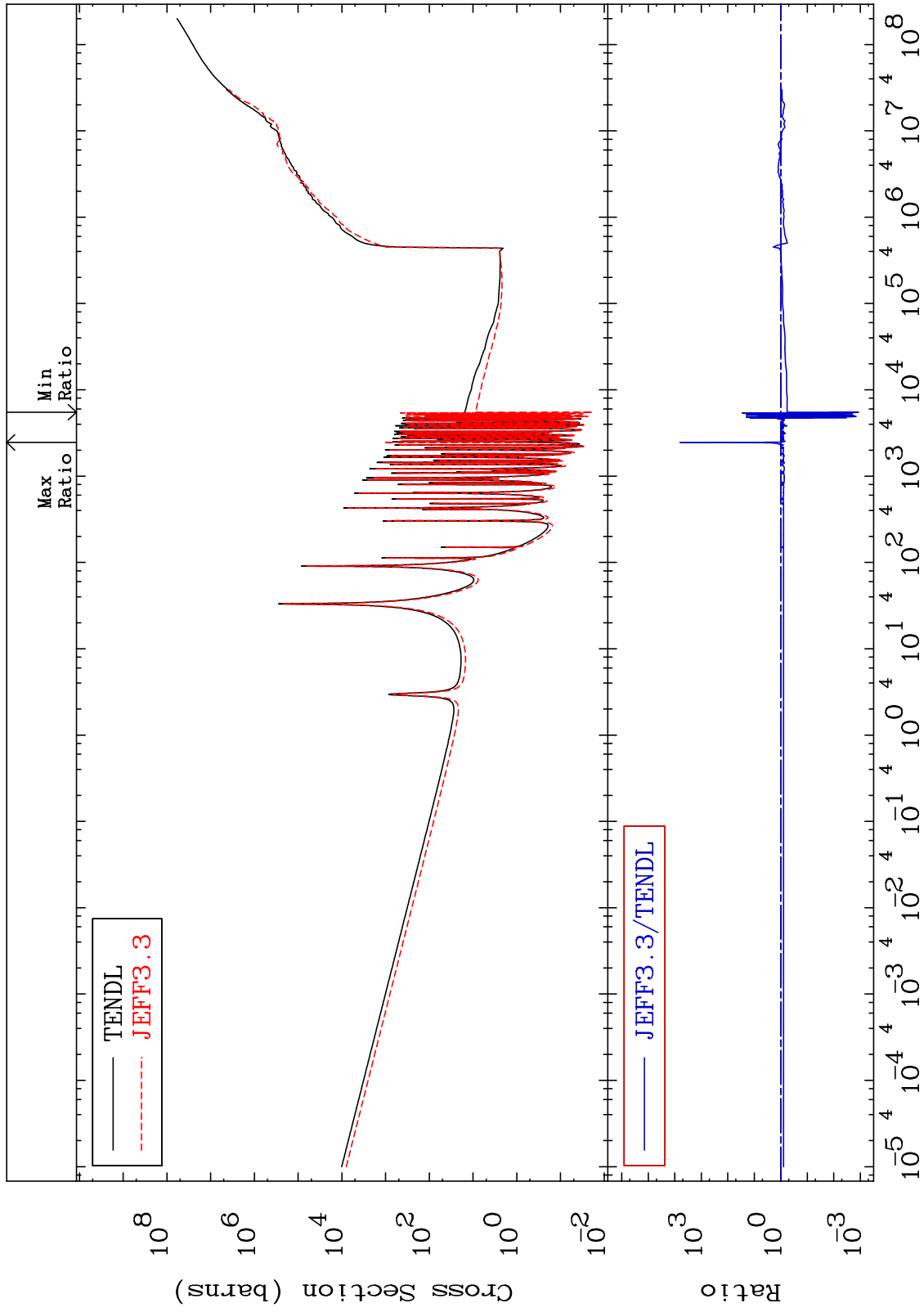
46-Pd-108
-70.46 To 1175. %



MAT 4643

Kerma non-elastic (all but mt2)
Cross Section

46-Pd-108
-99.88 To 9999. %



46

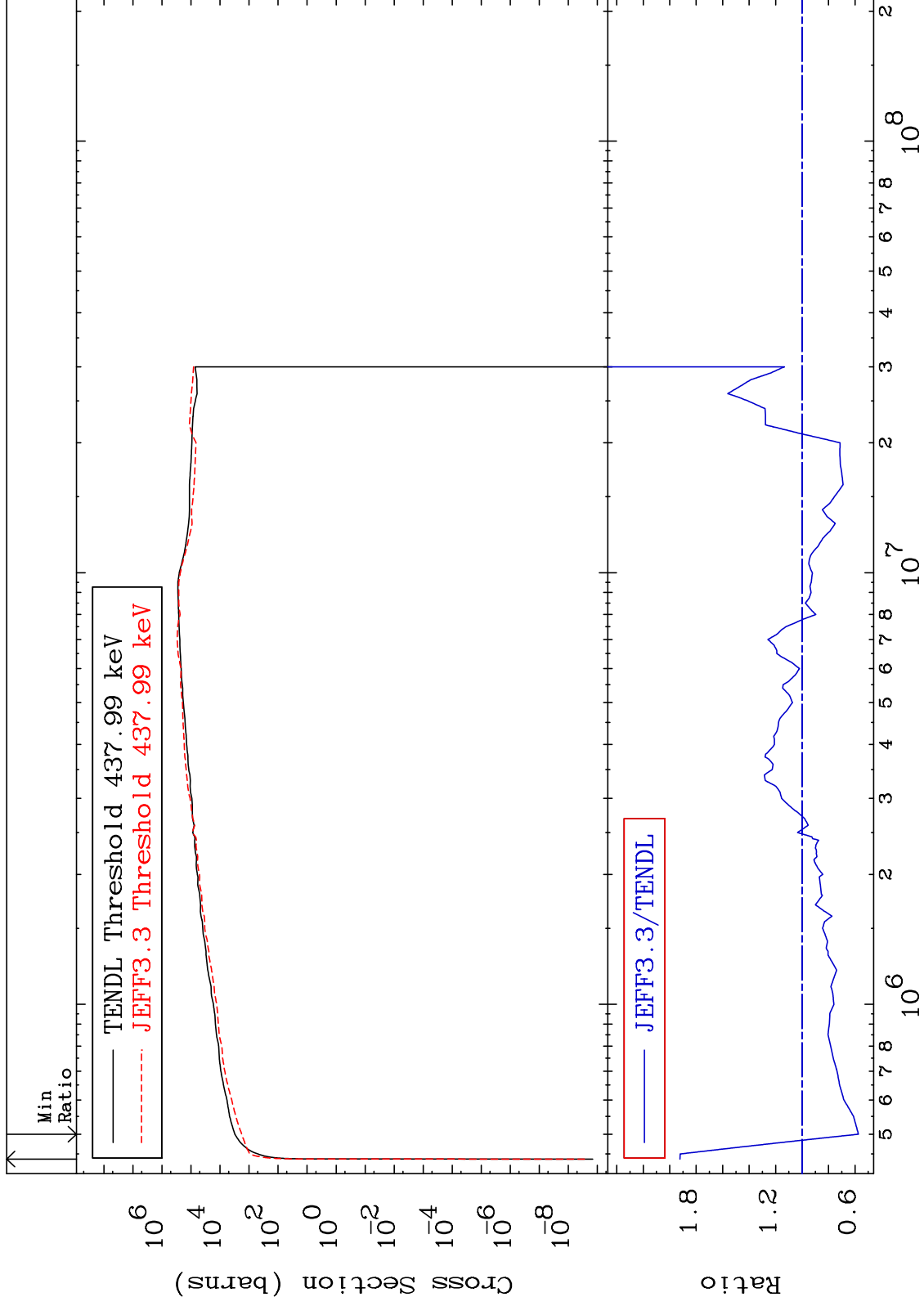
Incident Energy (eV)

46-Pd-108

MAT 4643

Kerma inelastic (mt51-91)
Cross Section

46-Pd-108
-42.56 To 92.23 %



47

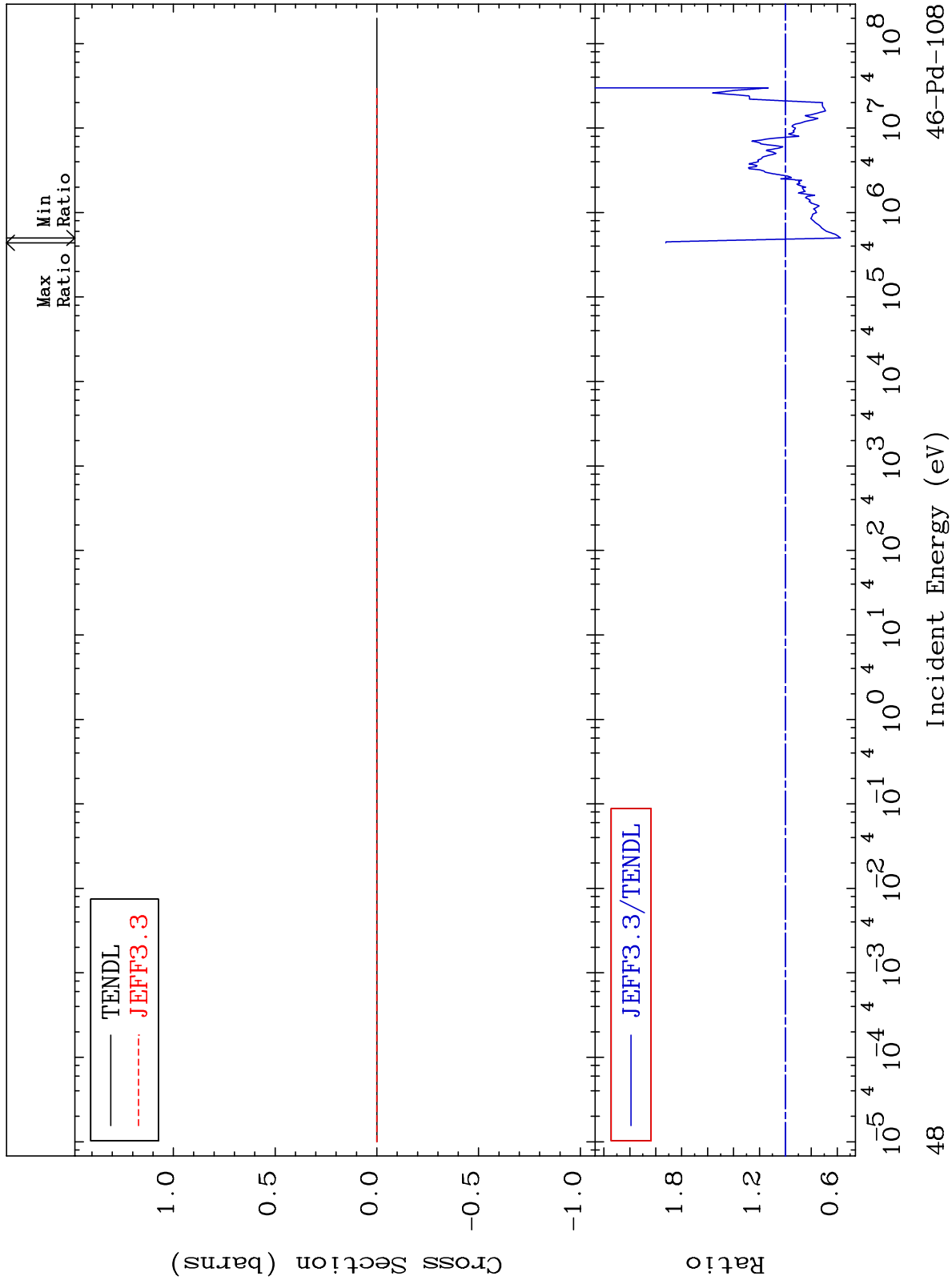
Incident Energy (eV)

46-Pd-108

MAT 4643

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

46-Pd-108
-42.56 To 92.23 %



48

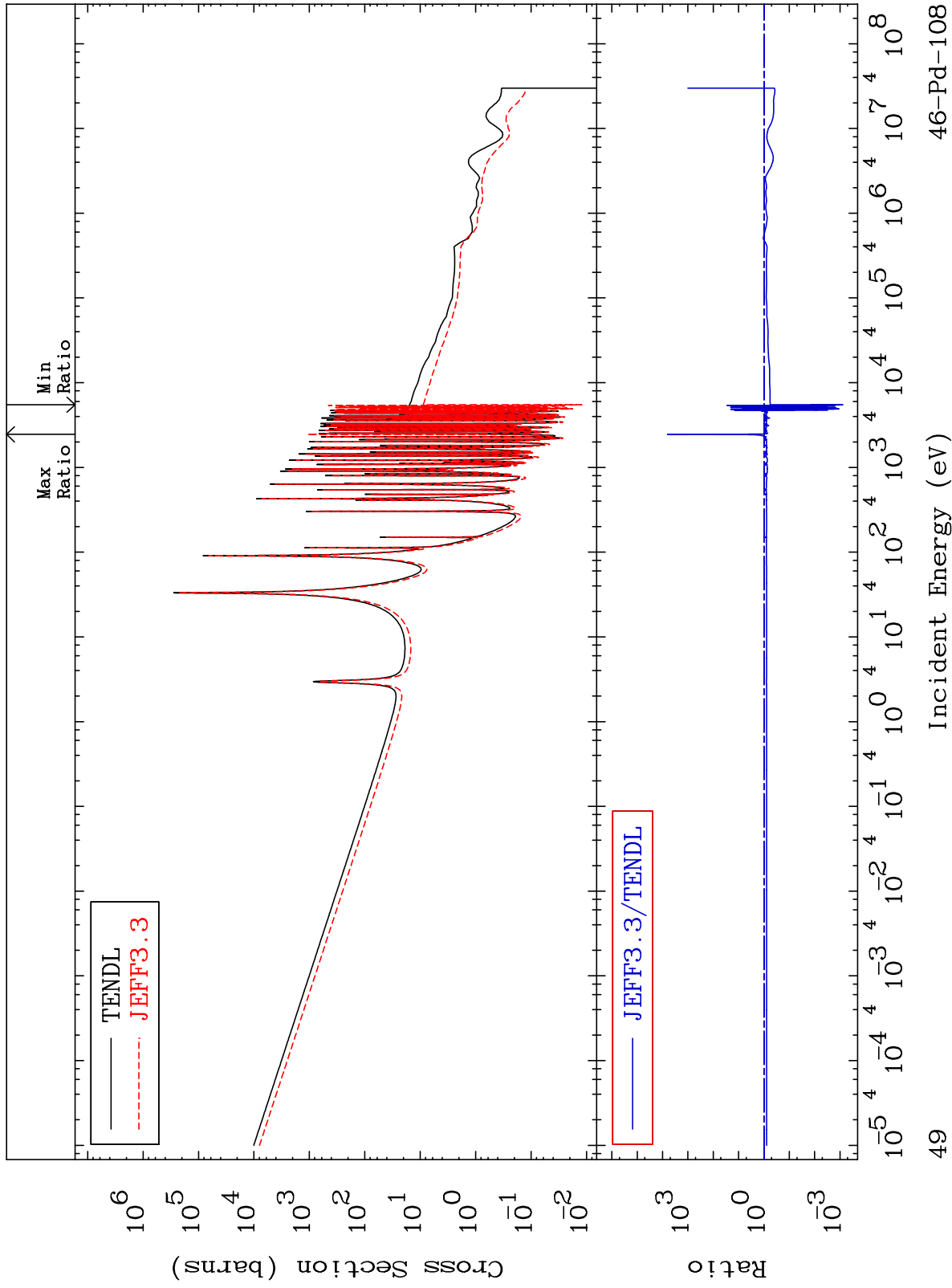
Incident Energy (eV)

46-Pd-108

MAT 4643

Kerma capture (mt102)
Cross Section

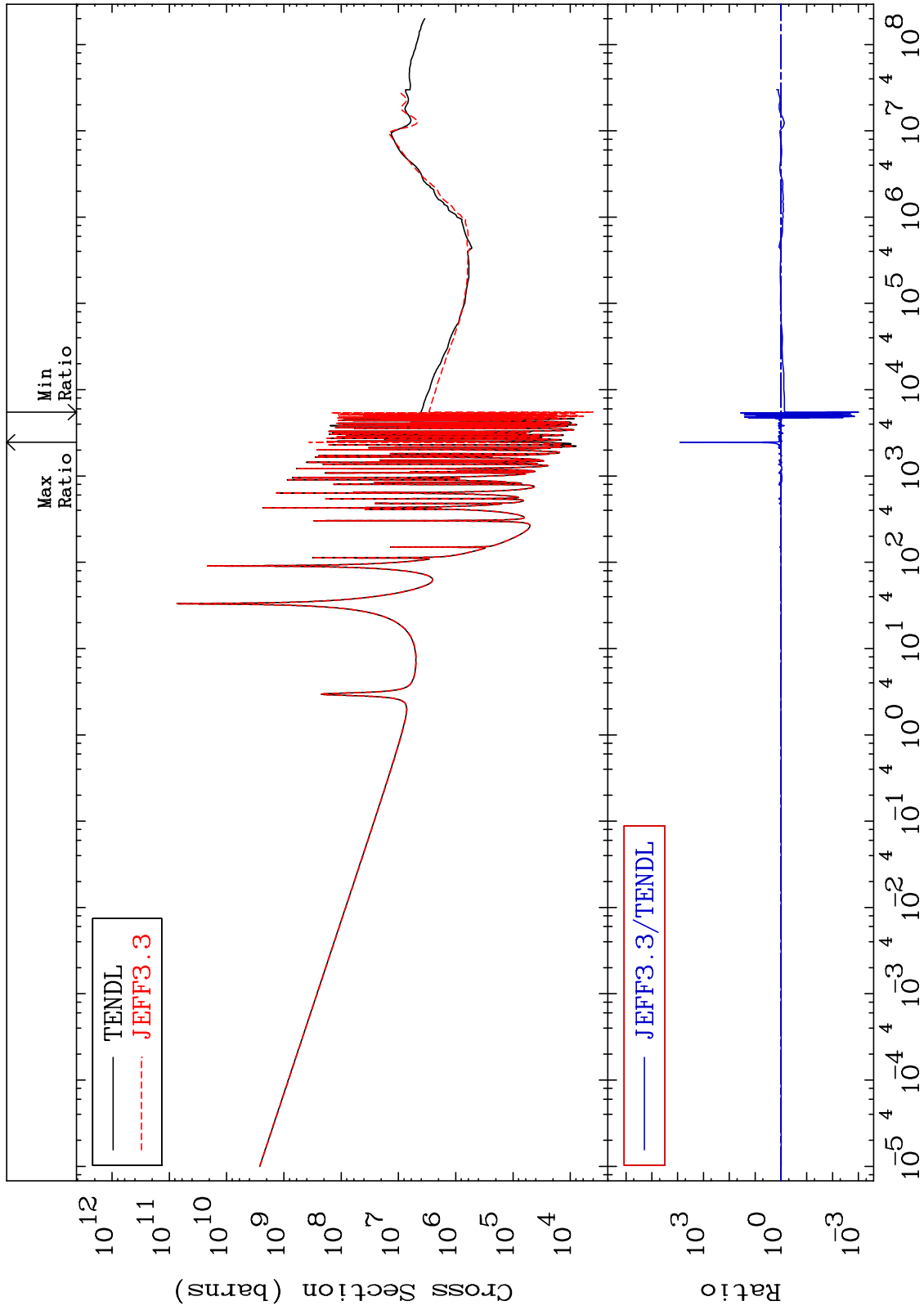
46-Pd-108
-99.92 To 9999. %



MAT 4643

Total photon (eV-barns)
Cross Section

46-Pd-108
-99.90 To 9999. %



50

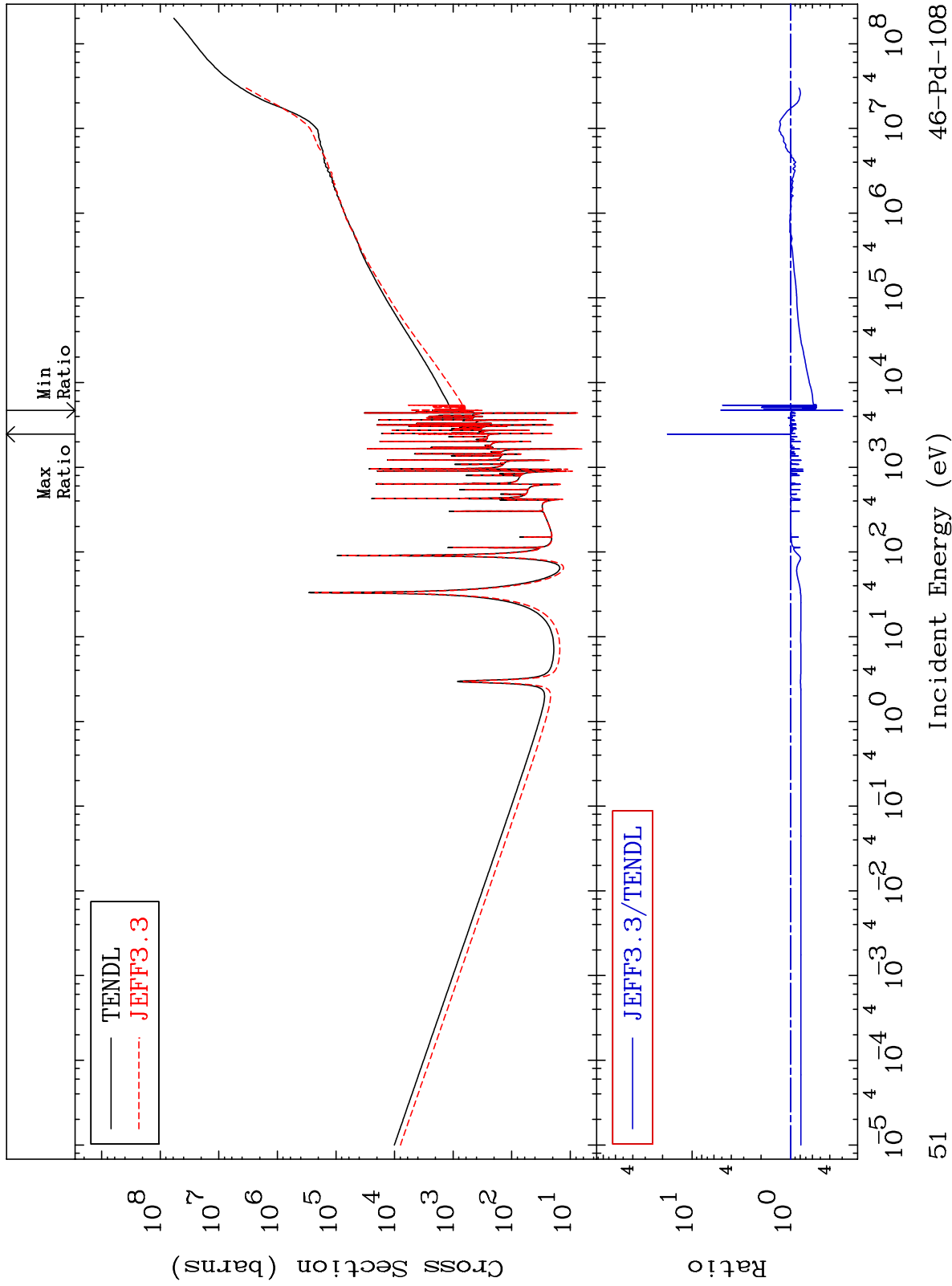
Incident Energy (eV)

46-Pd-108

MAT 4643

Total kinematic kerma (high limit)
Cross Section

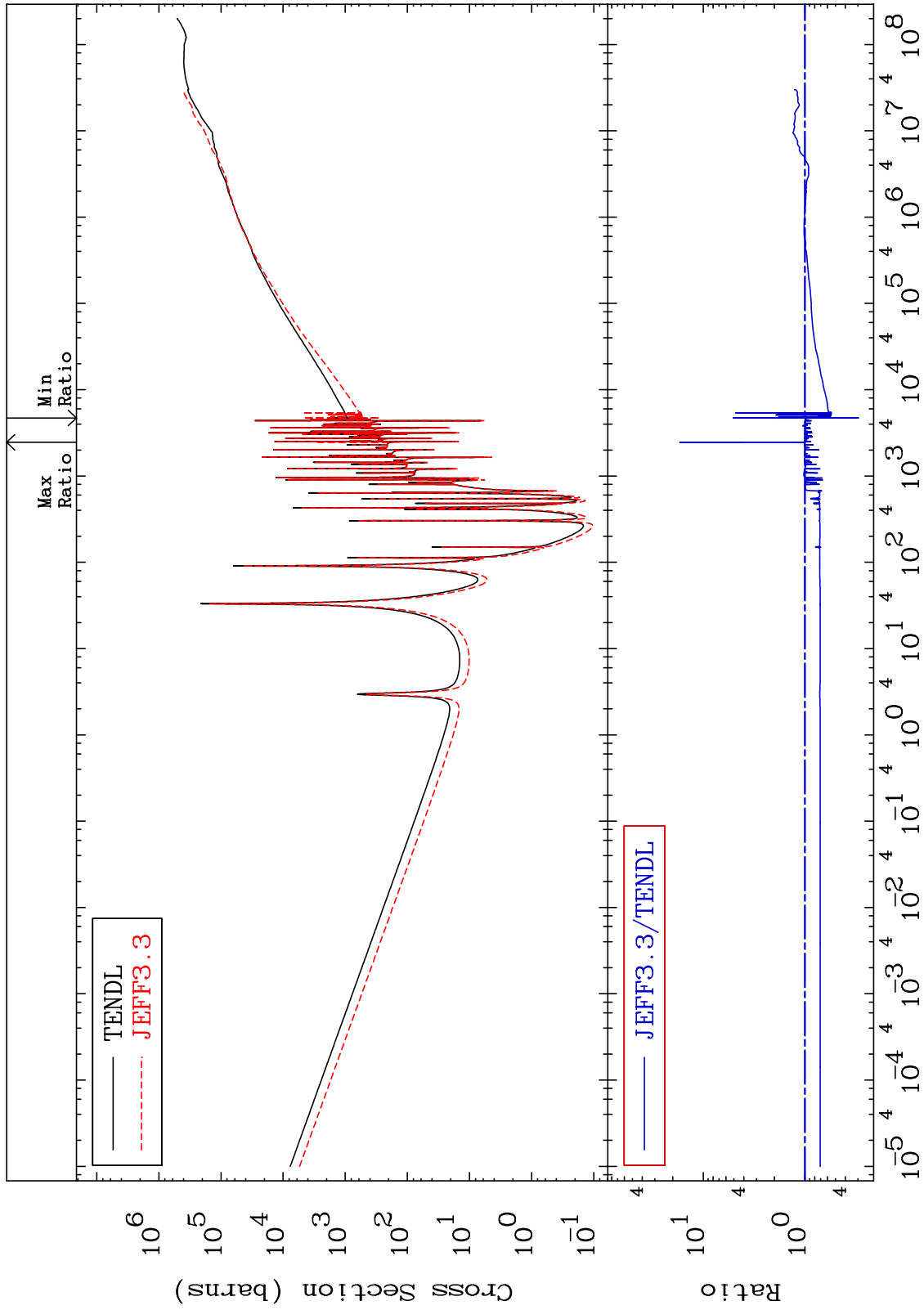
46-Pd-108
-70.37 To 1676. %



MAT 4643

Dpa total (eV-barns)
Cross Section

46-Pd-108
-70.35 To 1599. %



52

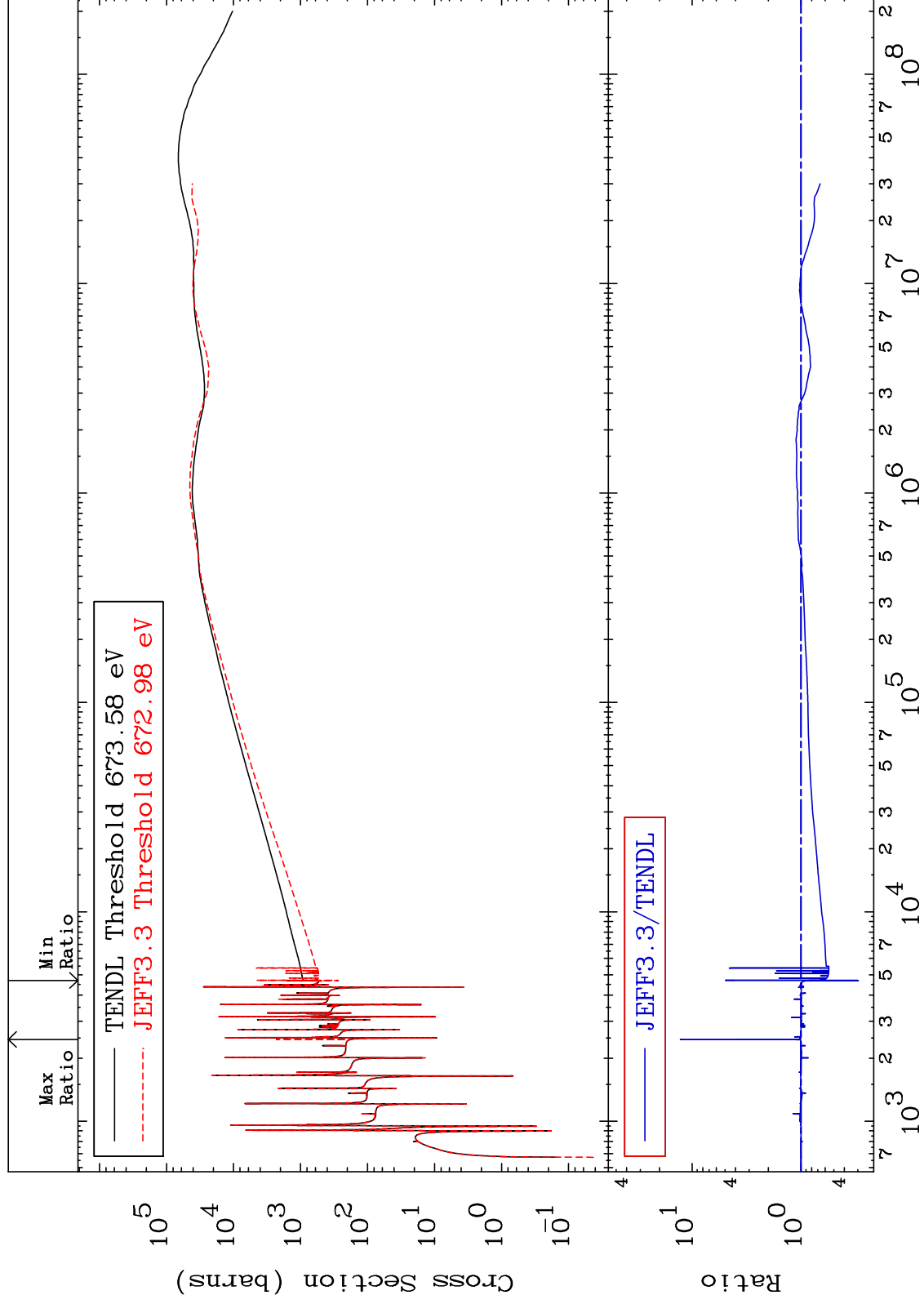
Incident Energy (eV)

46-Pd-108

MAT 4643

Dpa elastic (mt2)
Cross Section

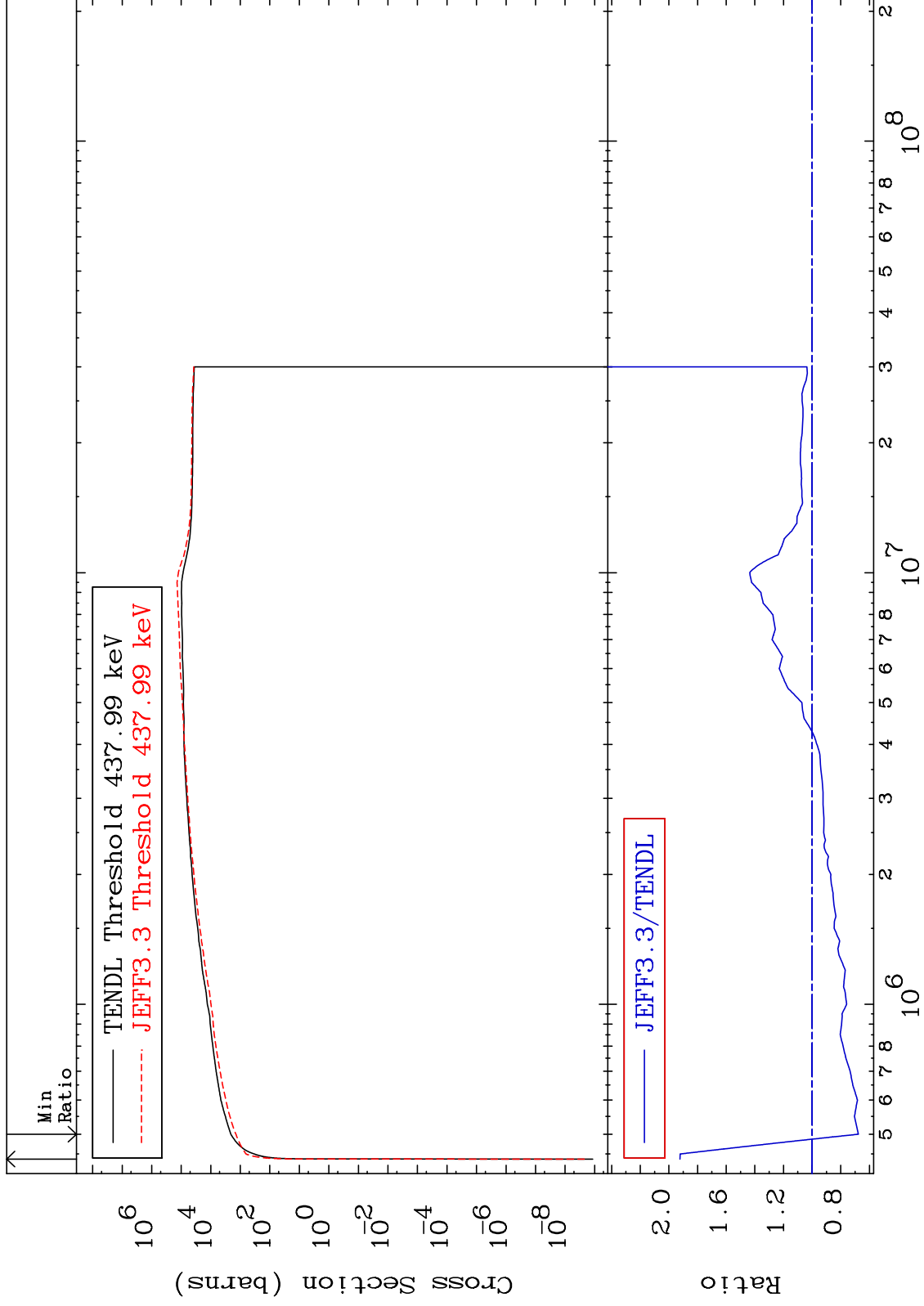
46-Pd-108
-70.39 To 1182. %



MAT 4643

Dpa inelastic (mt51-91)
Cross Section

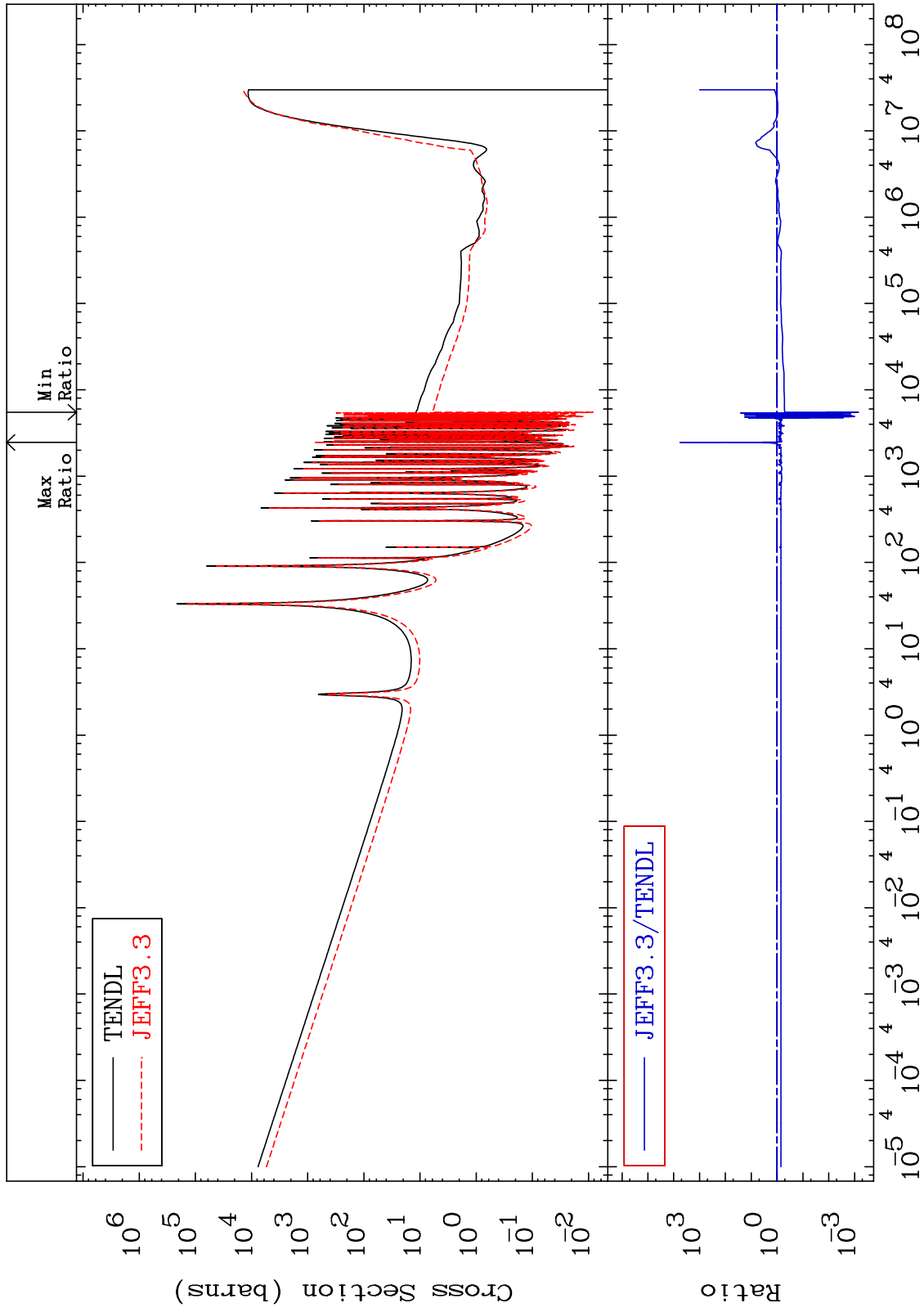
46-Pd-108
-32.29 To 92.23 %



MAT 4643

Dpa disappearance (mt102 -120)
Cross Section

46-Pd-108
-99.93 To 9999. %



55

Incident Energy (eV)

46-Pd-108