

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

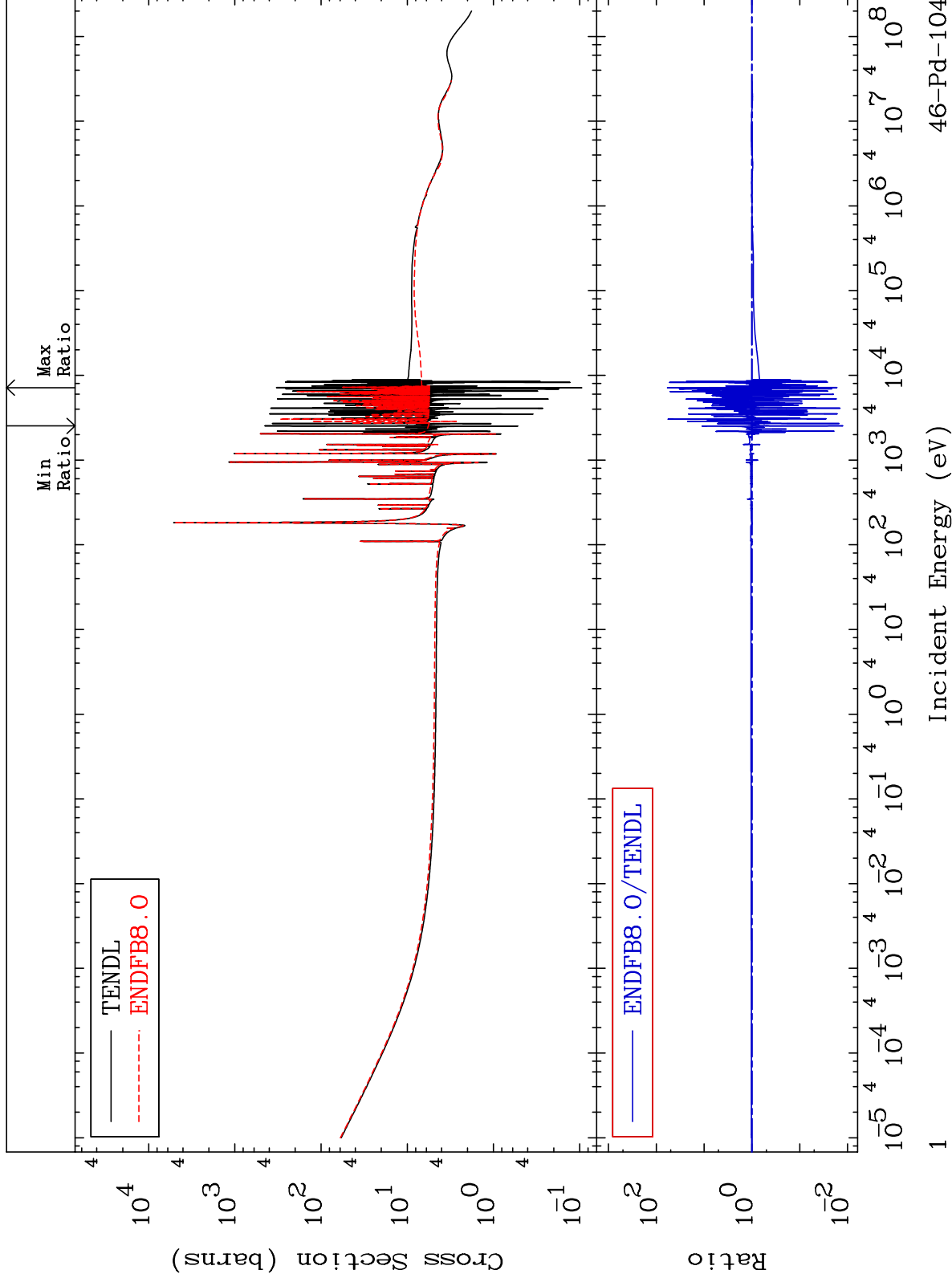
MAT 4631

Total

46-Pd-104

Cross Section

-98.73 To 5718. %

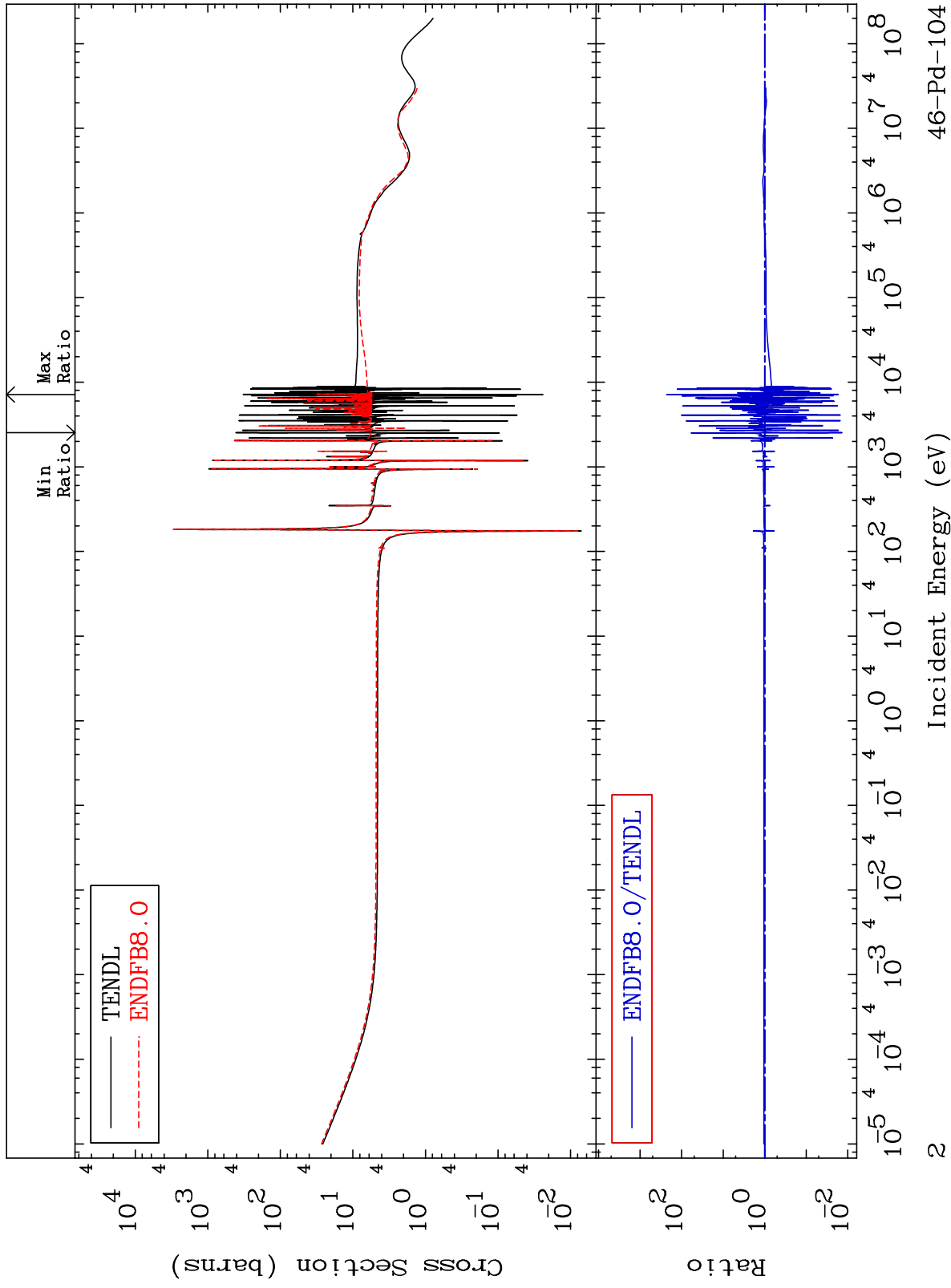


46-Pd-104

MAT 4631

Elastic
Cross Section

46-Pd-104
-98.61 To 9999. %



46-Pd-104

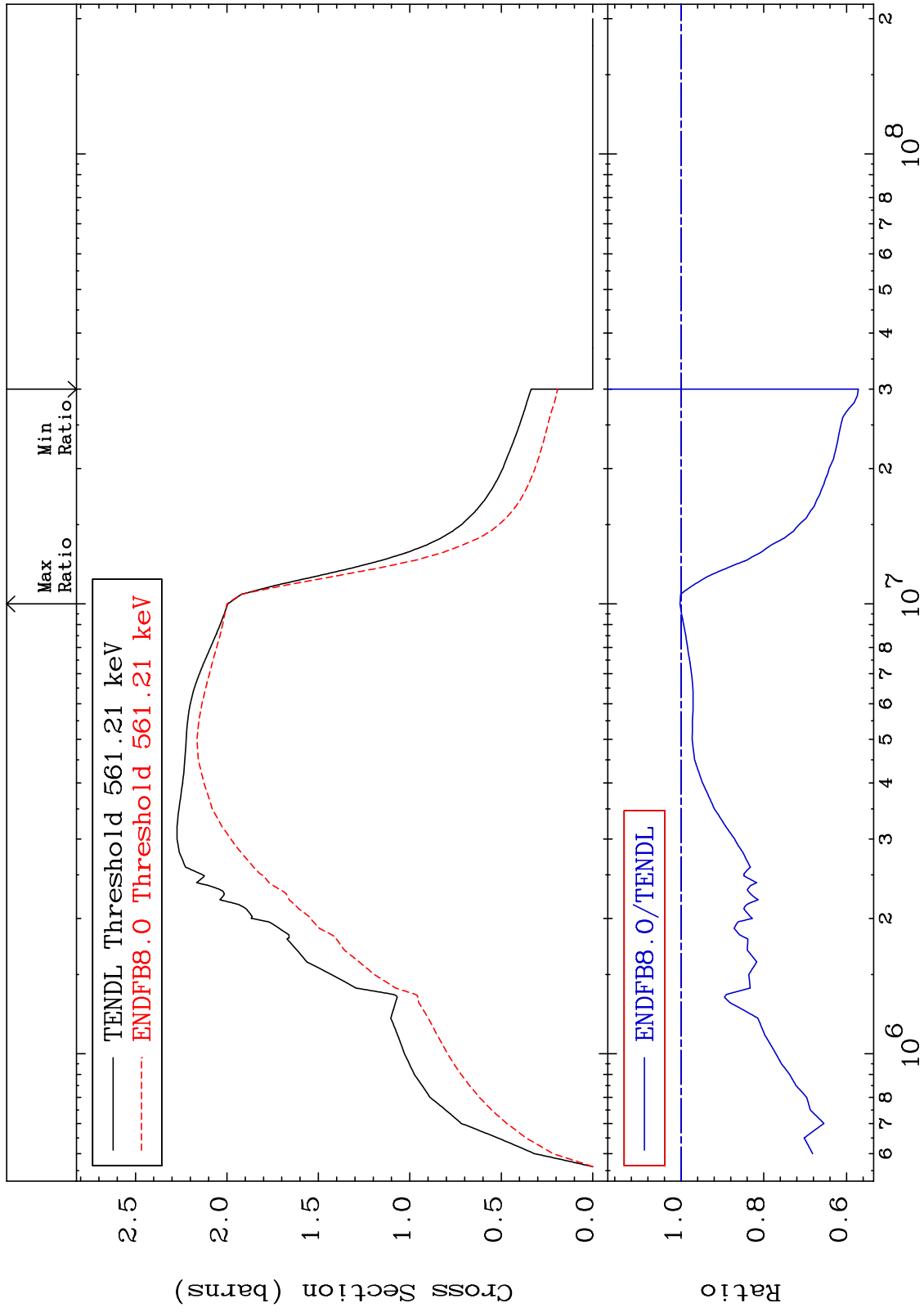
Incident Energy (eV)

MAT 4631

Inelastic
Cross Section

46-Pd-104

-42.87 To 0.242 %



3

Incident Energy (eV)

46-Pd-104

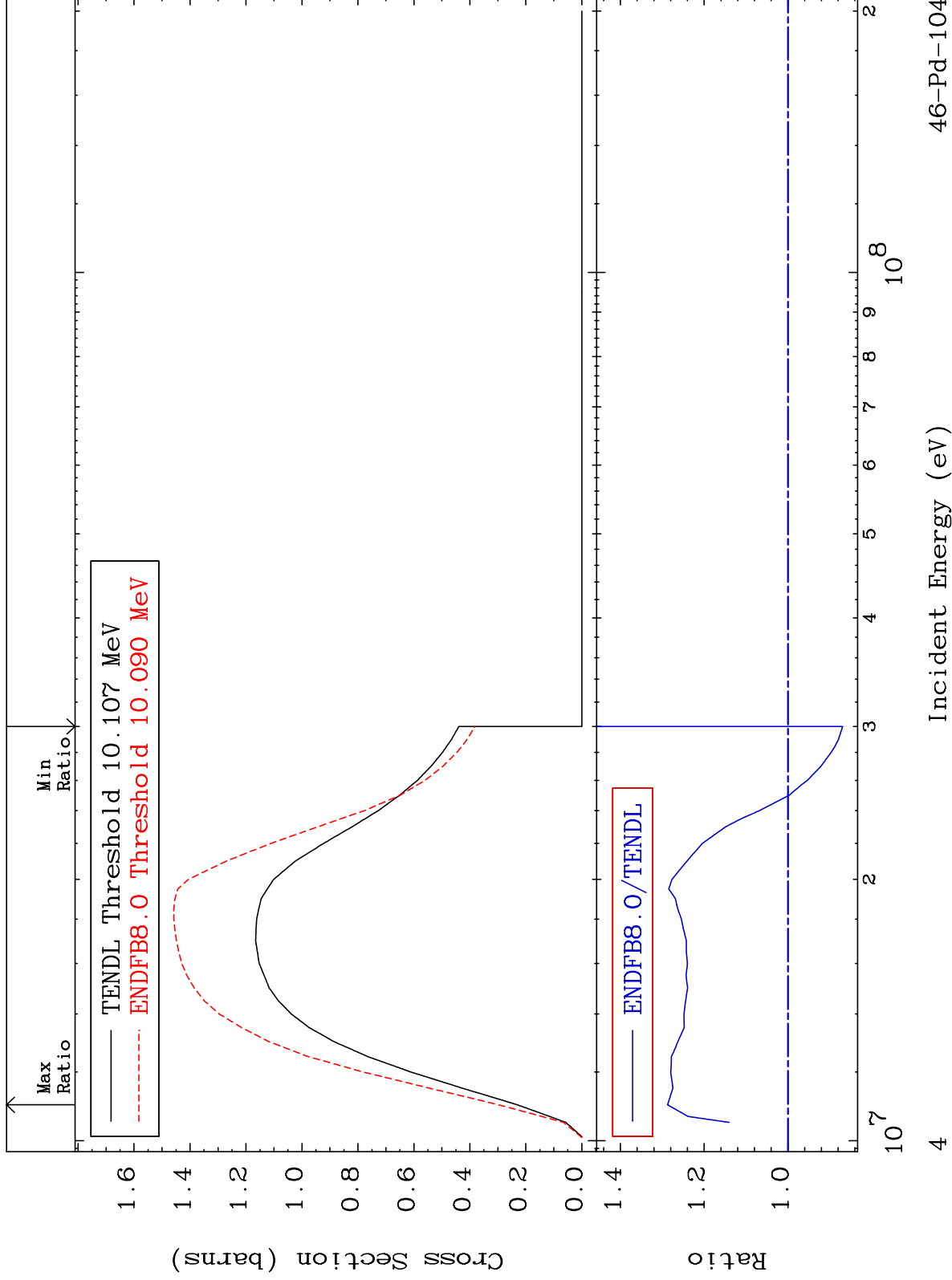
MAT 4631

(n,2n)

46-Pd-104

Cross Section

-13.07 To 28.74 %



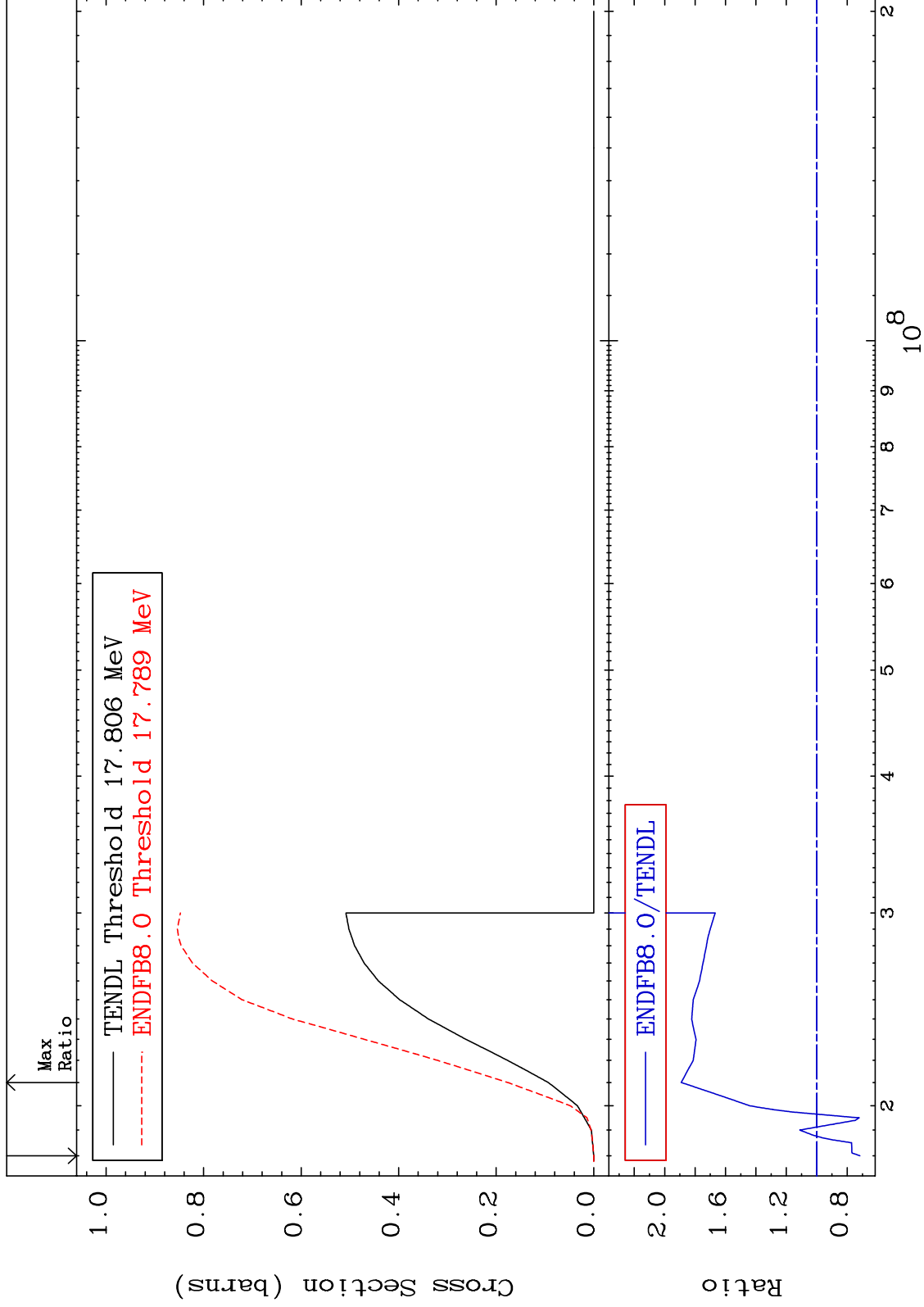
MAT 4631

(n, 3n)

46-Pd-104

Cross Section

-28.37 To 89.12 %



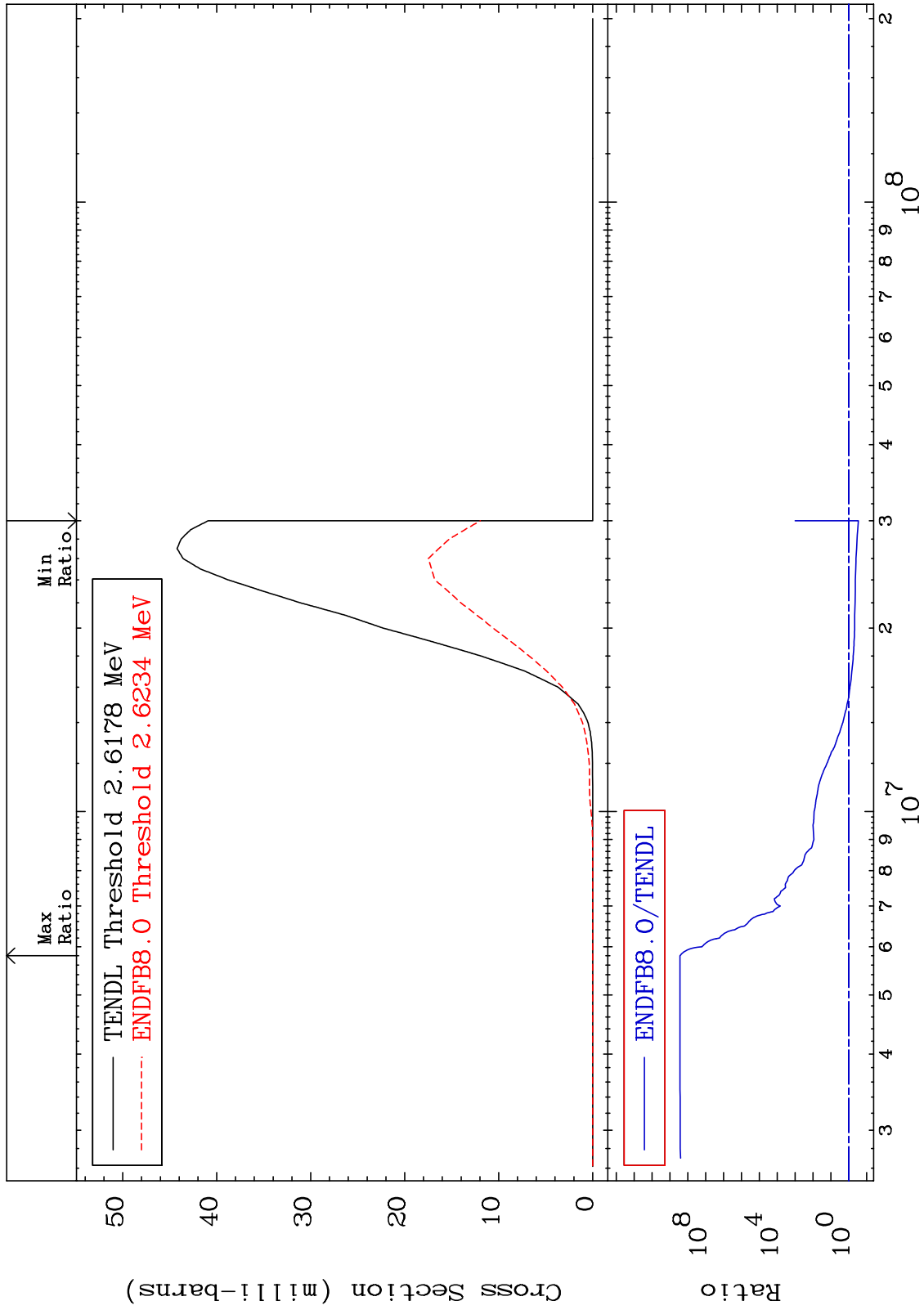
MAT 4631

(n,n') α

46-Pd-104

-70.79 To 9999. %

Cross Section



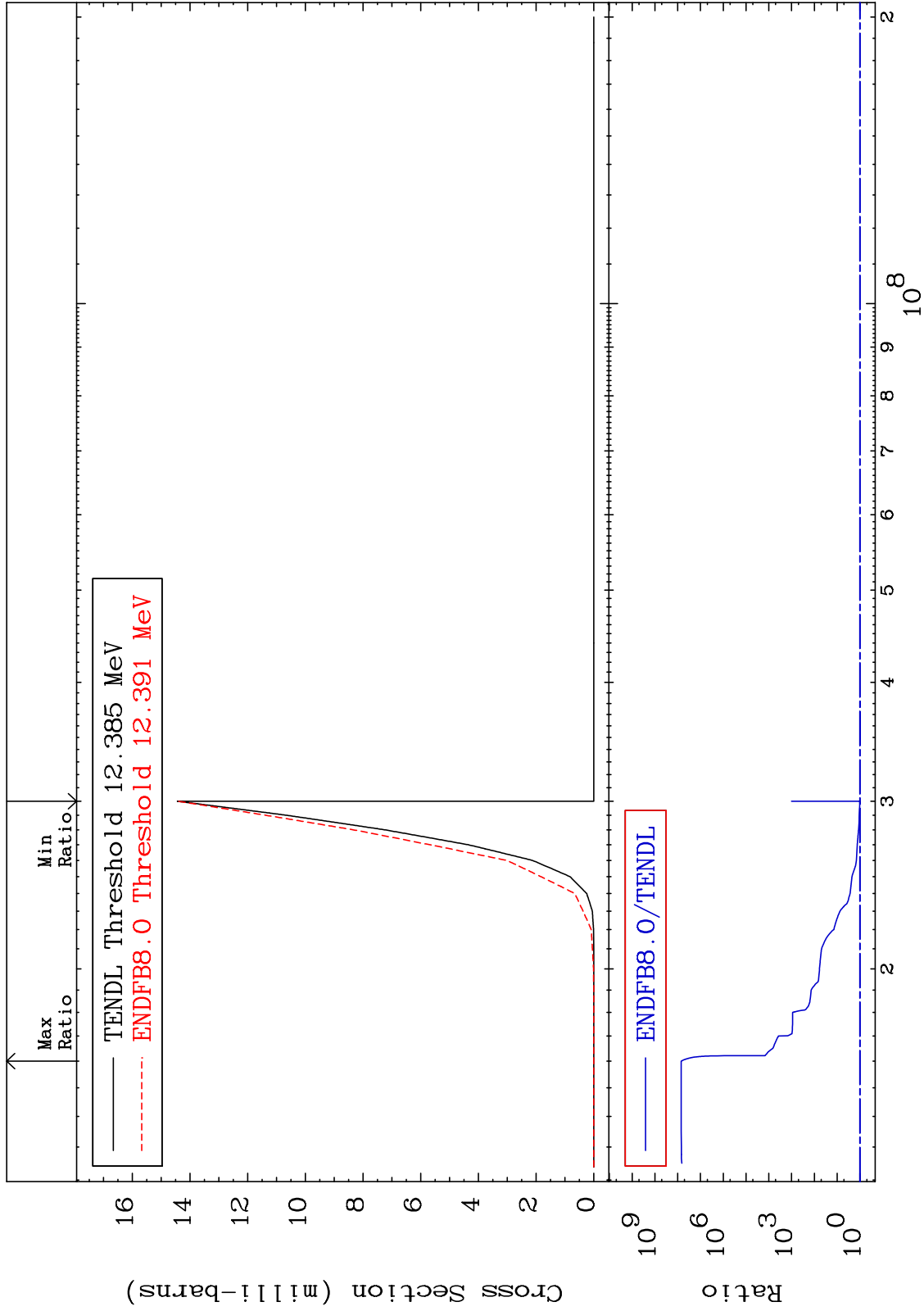
MAT 4631

(n,2n) α

46-Pd-104

Cross Section

-0.174 To 9999. %



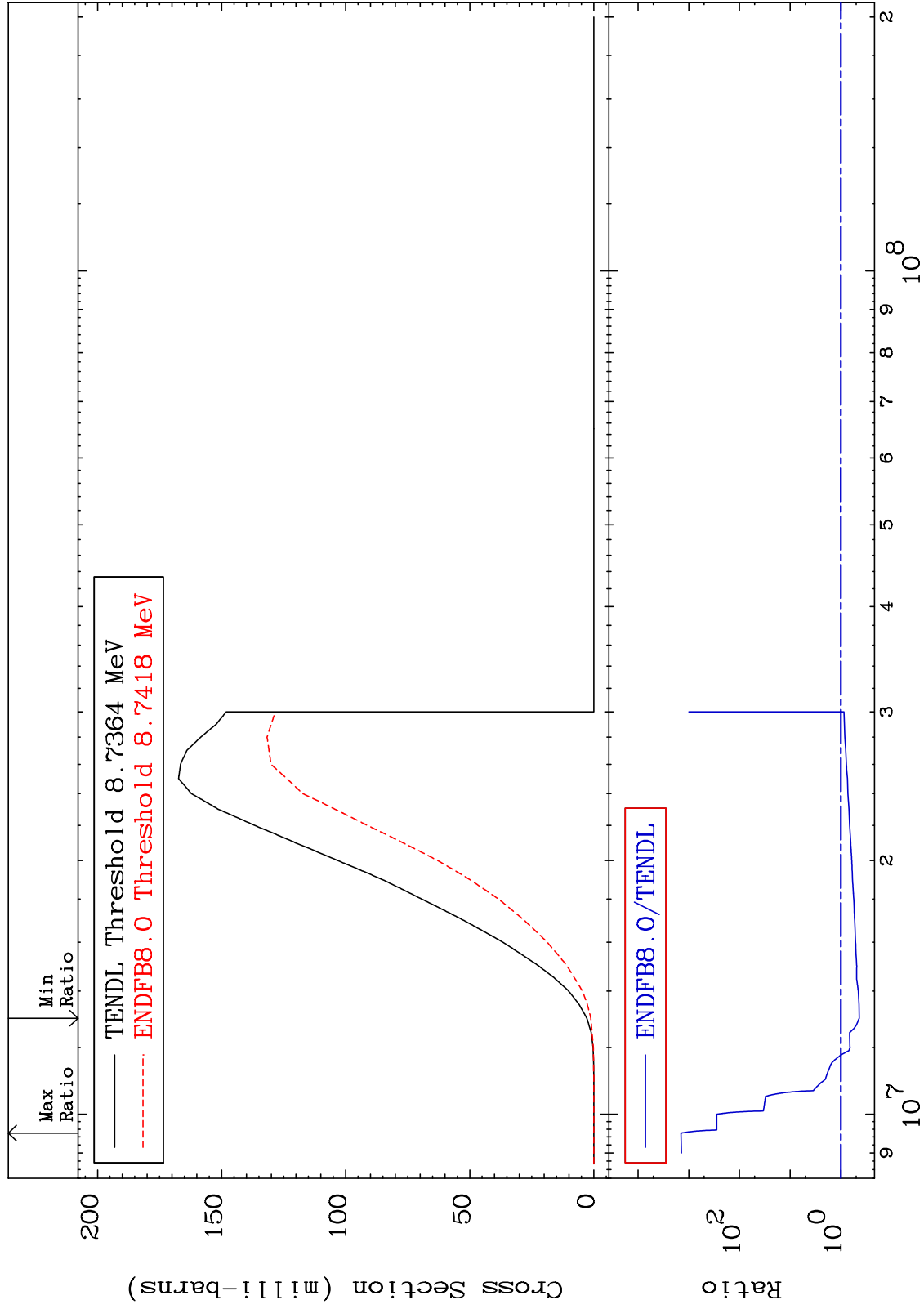
MAT 4631

(n,n') p

46-Pd-104

Cross Section

-56.71 To 9999. %



46-Pd-104

Incident Energy (eV)

8

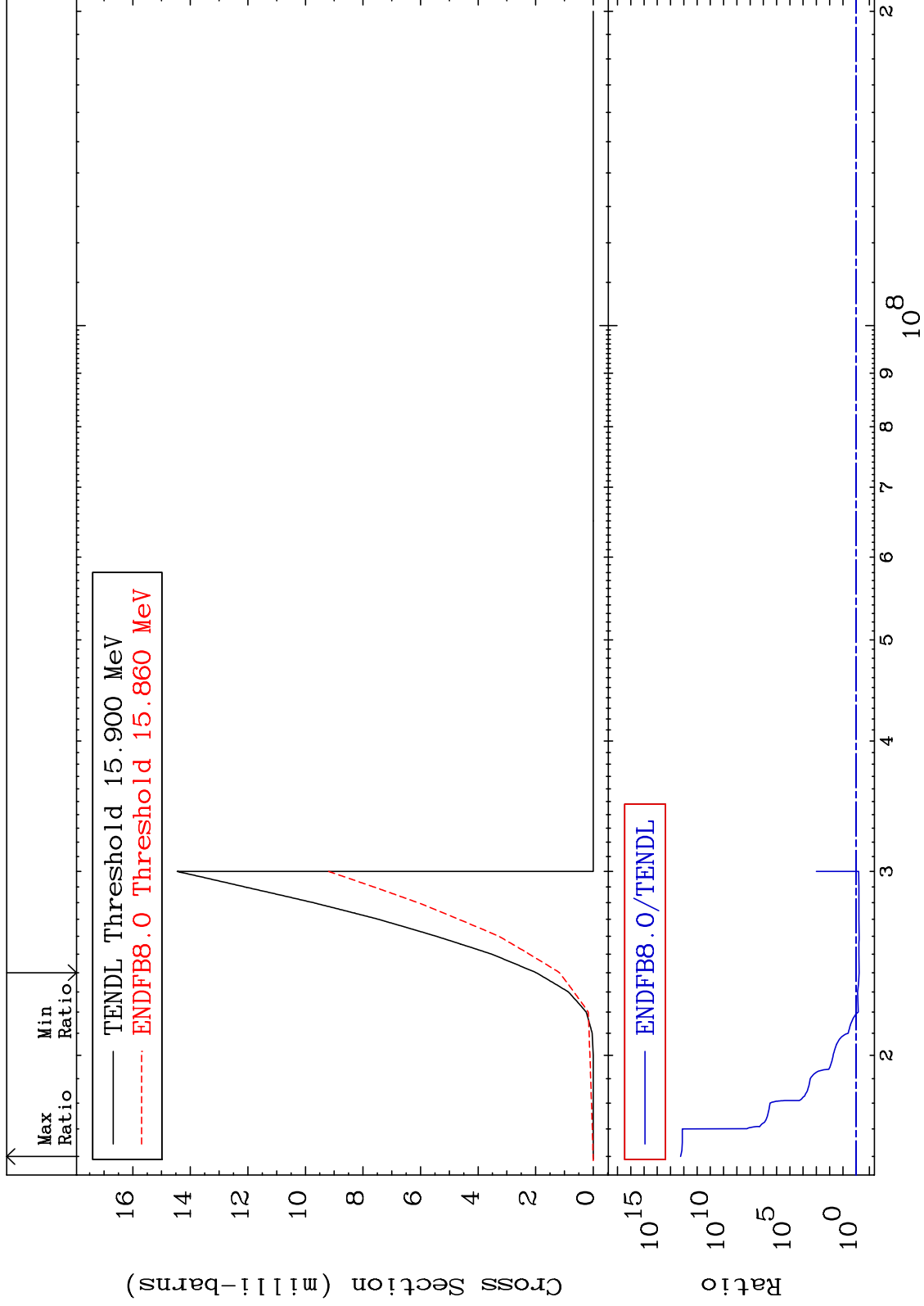
MAT 4631

(n,n') d

46-Pd-104

Cross Section

-40.89 To 9999. %



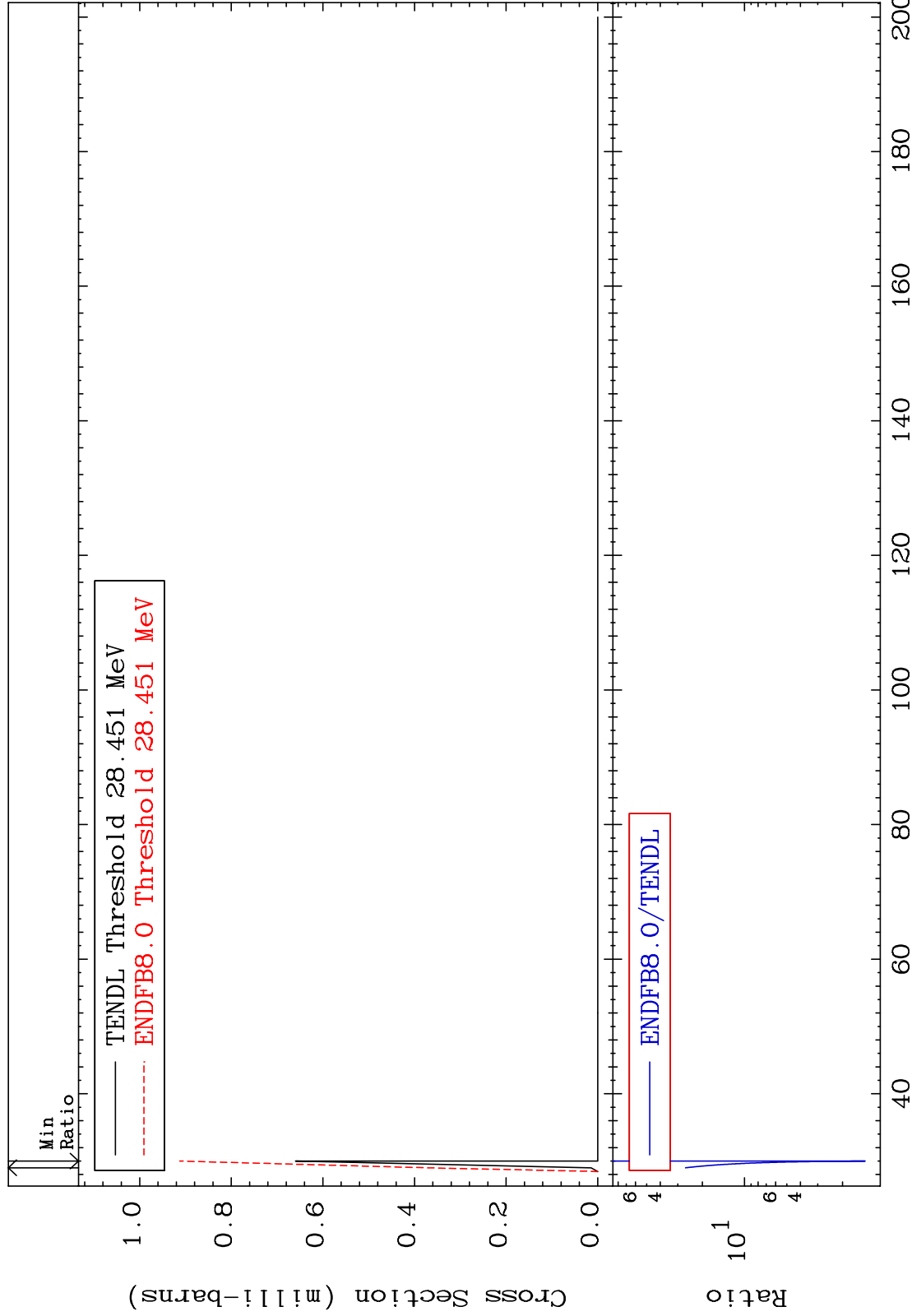
MAT 4631

(n, 4n)

46-Pd-104

Cross Section

38.32 To 2538. %



10

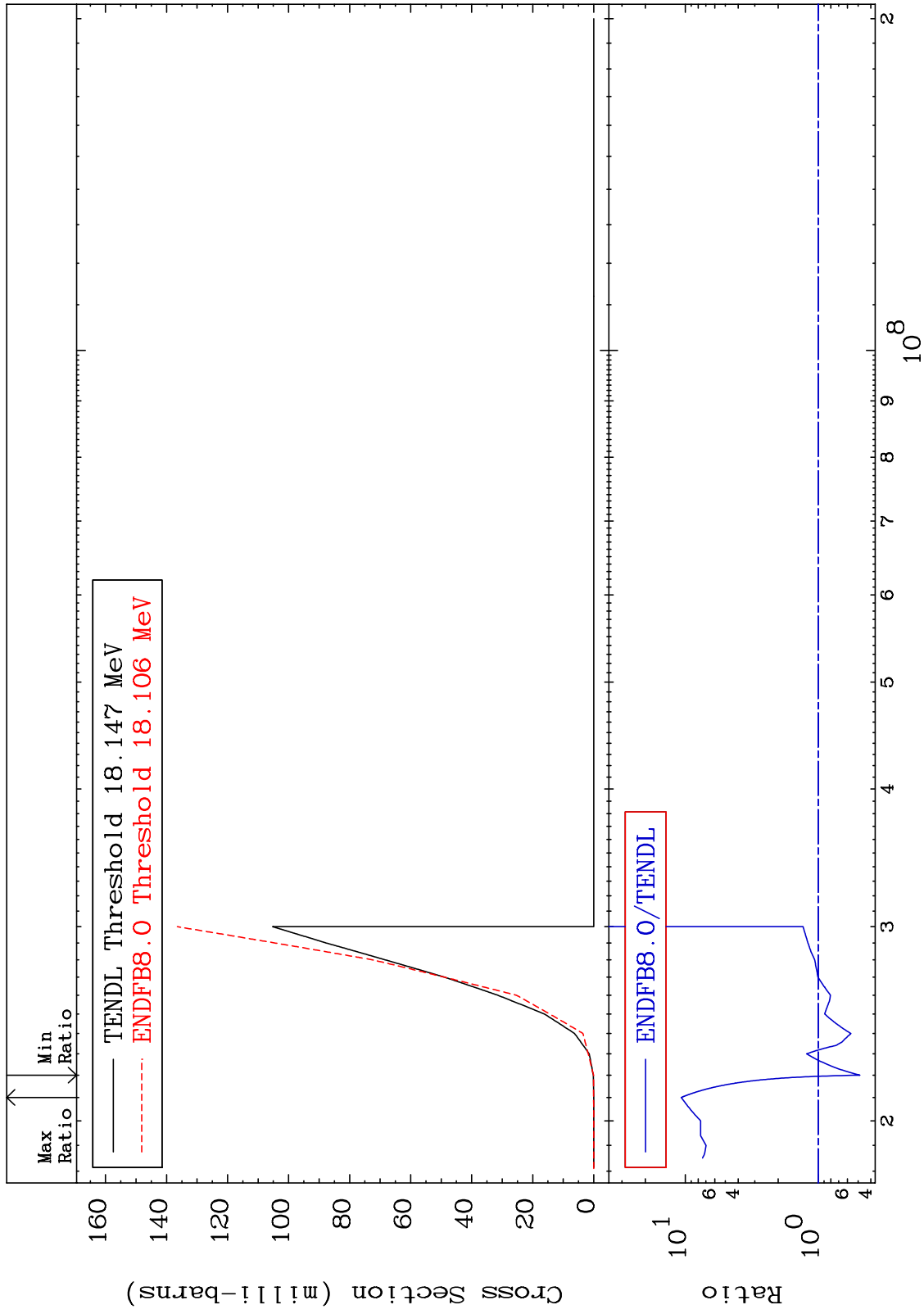
Incident Energy (MeV)

46-Pd-104

MAT 4631

(n,2n) p
Cross Section

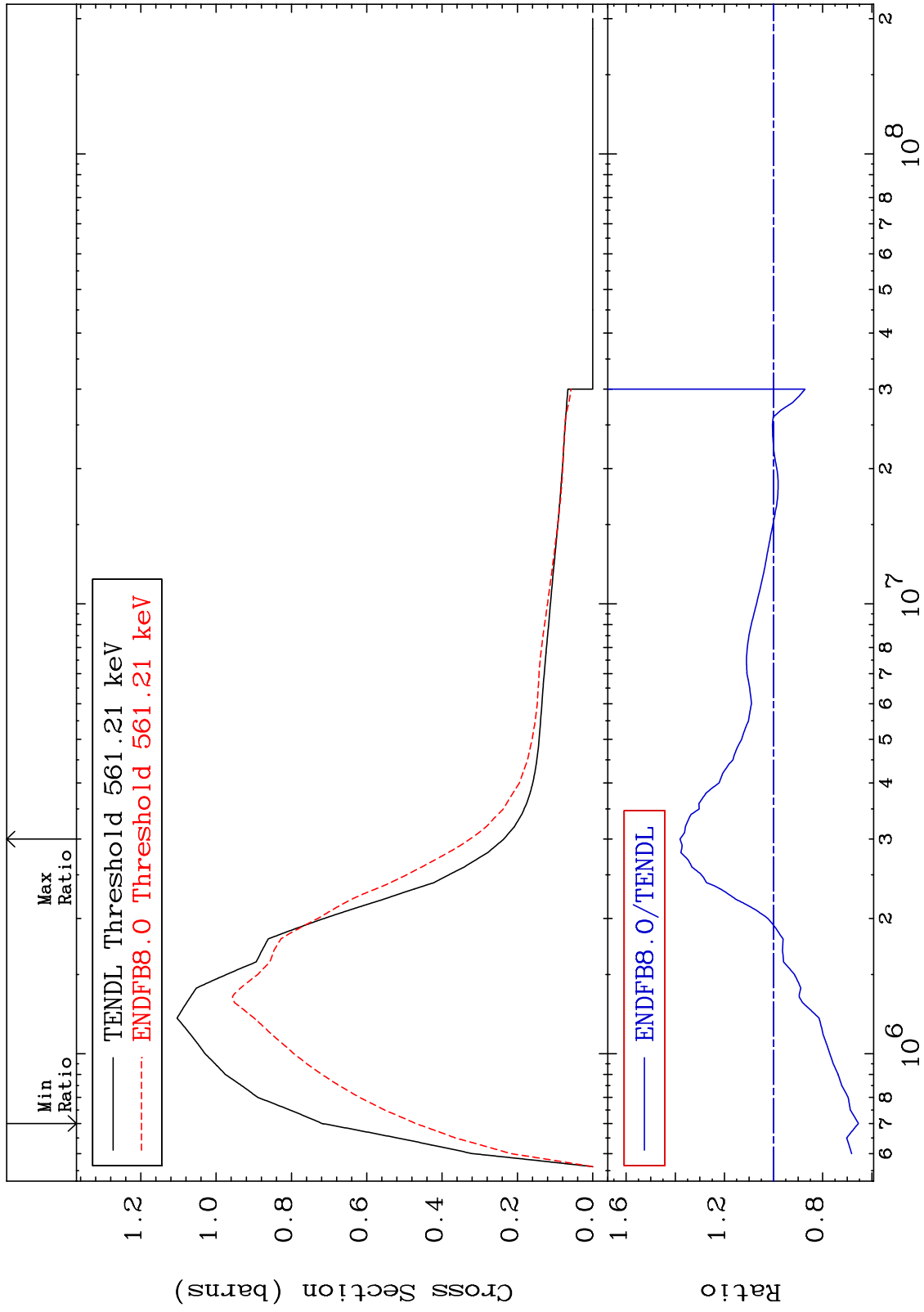
46-Pd-104
-51.62 To 972.1 %



MAT 4631

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

46-Pd-104
-34.54 To 38.07 %



12

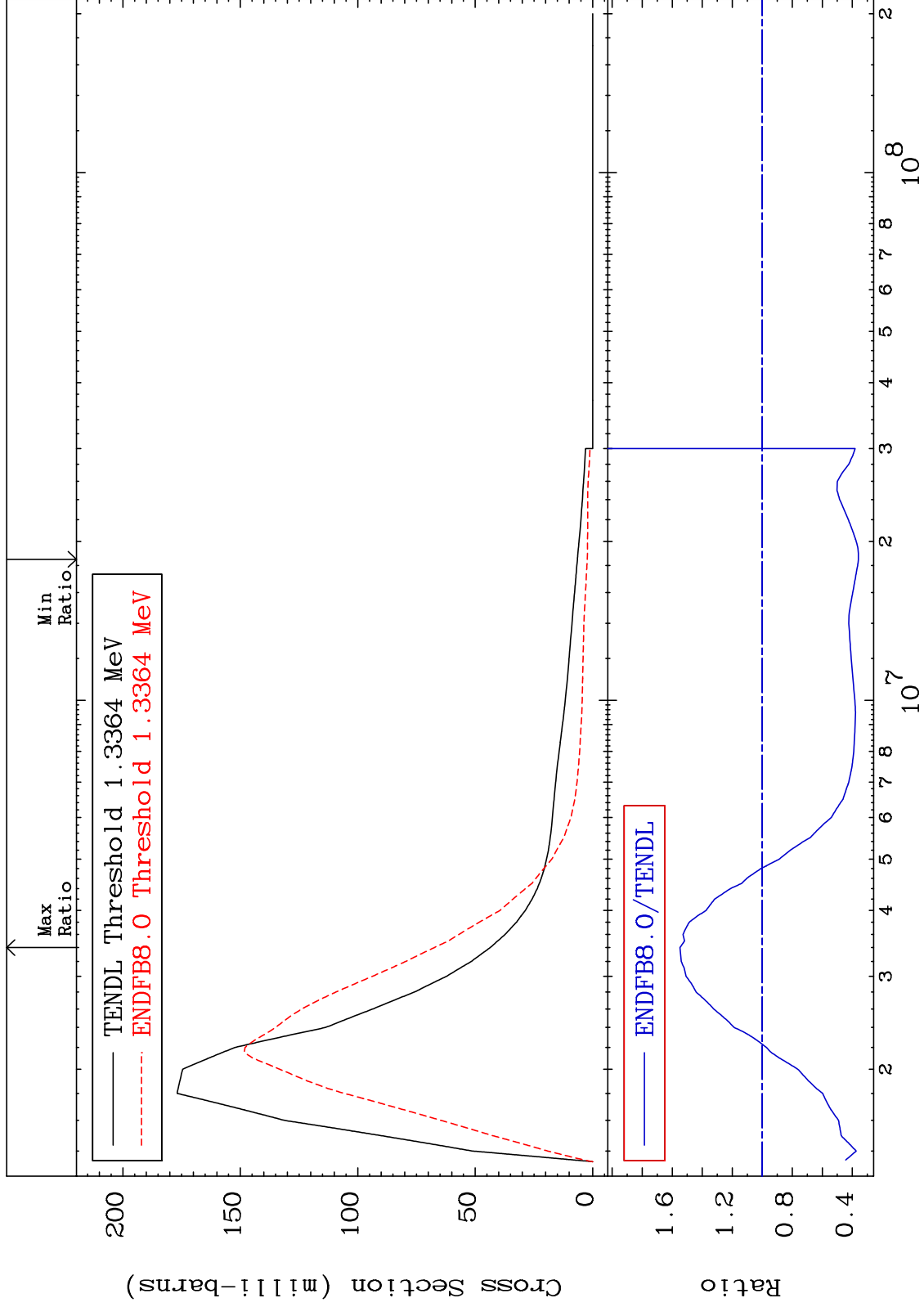
Incident Energy (eV)

46-Pd-104

MAT 4631

MT= 52 (n,n') Level
Cross Section

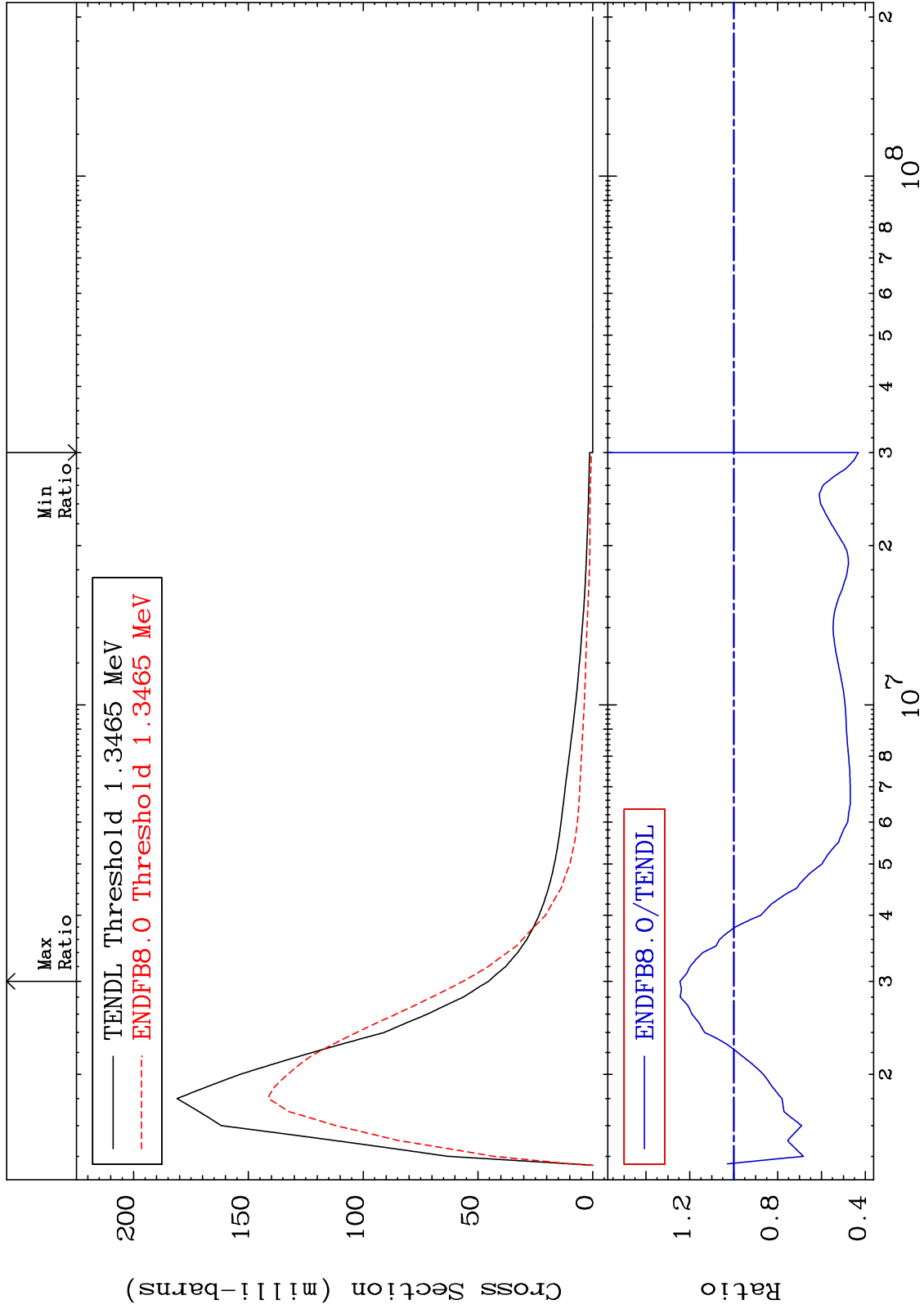
46-Pd-104
-64.08 To 54.81 %



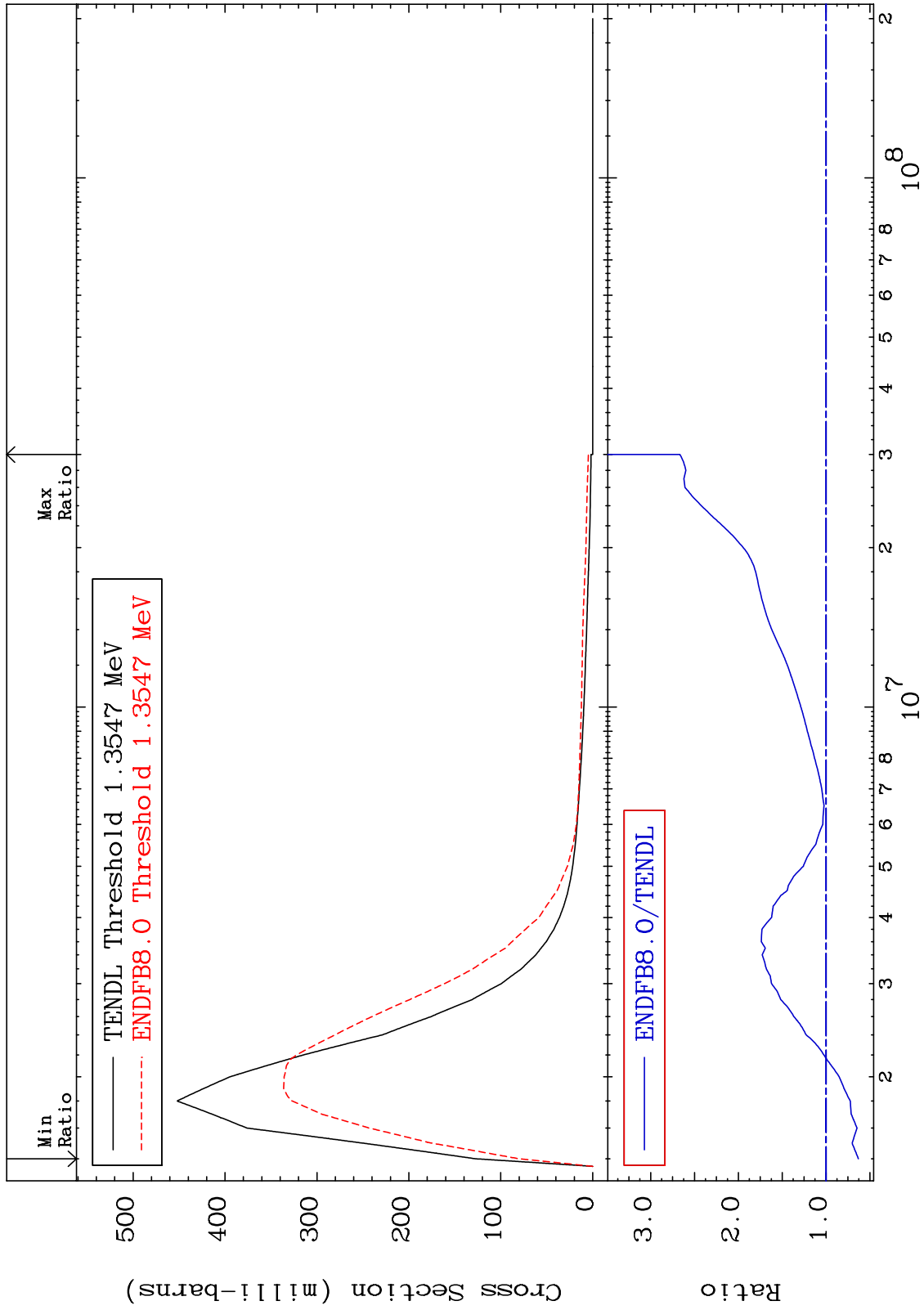
MAT 4631

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

46-Pd-104
-56.81 To 24.49 %



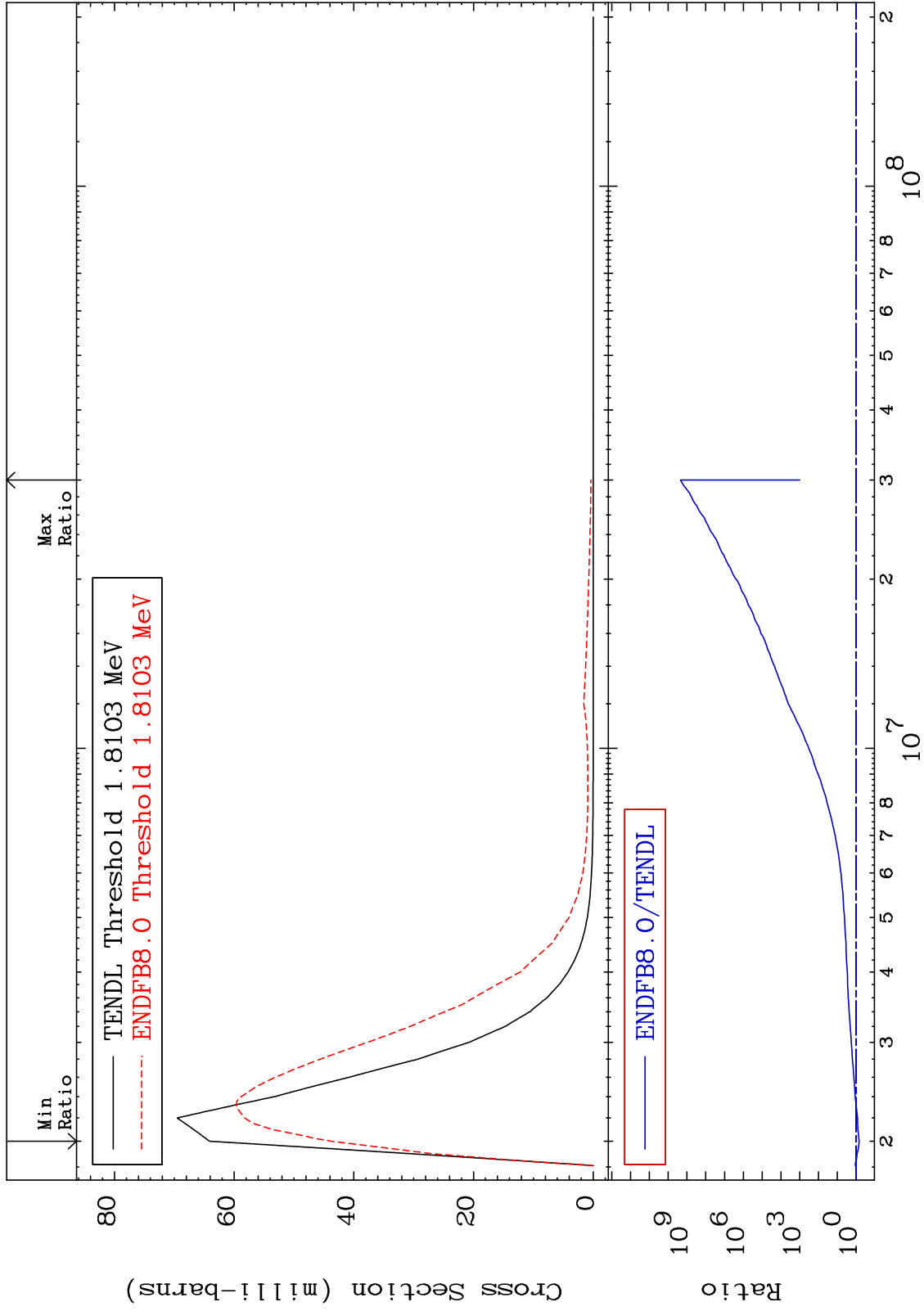
MAT 4631 MT= 54 (n,n') Level Cross Section 46-Pd-104
 -36.95 To 166.6 %



MAT 4631

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

46-Pd-104
-31.68 To 9999. %



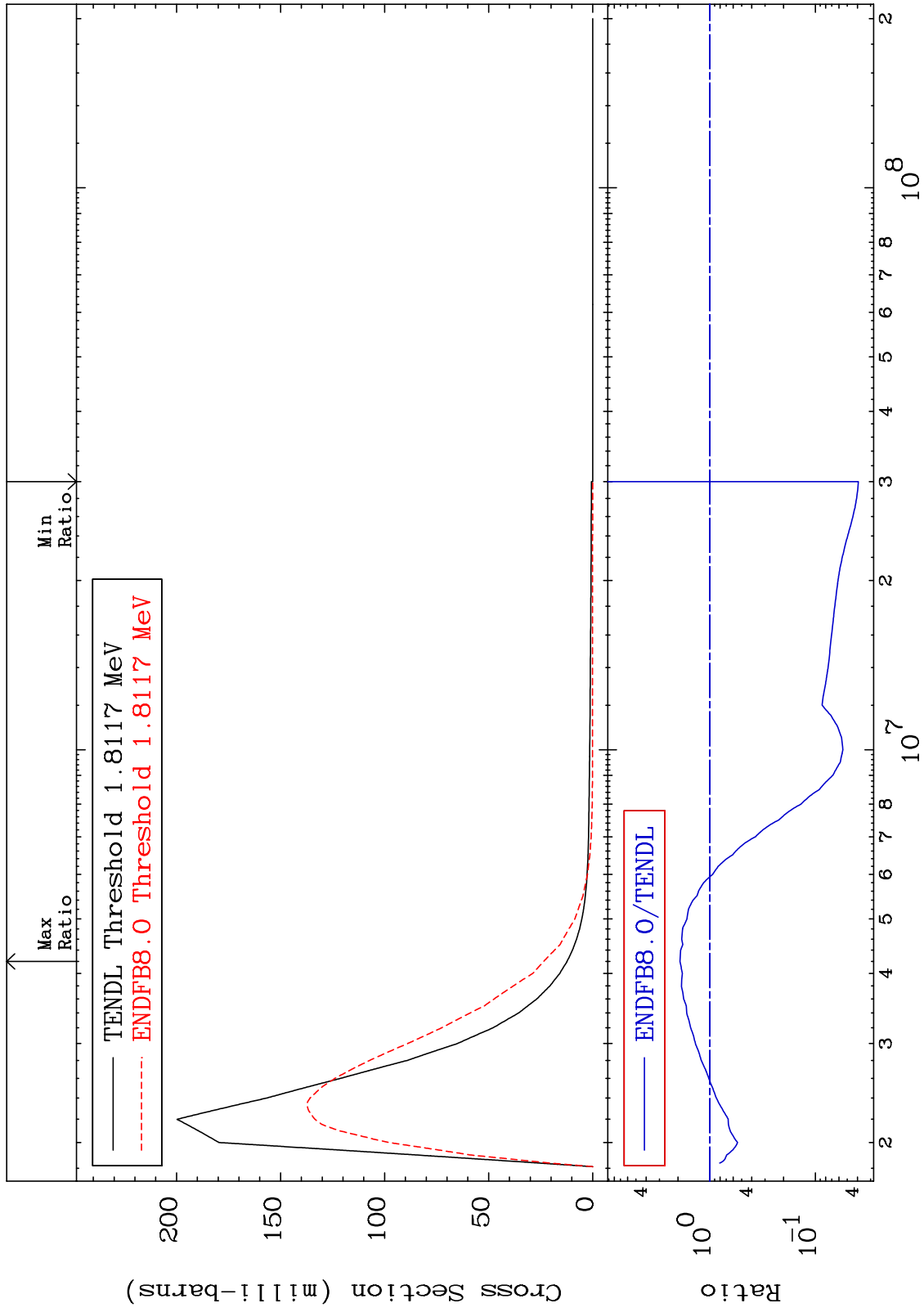
16

46-Pd-104

MAT 4631

MT= 56 (n,n') Level
Cross Section

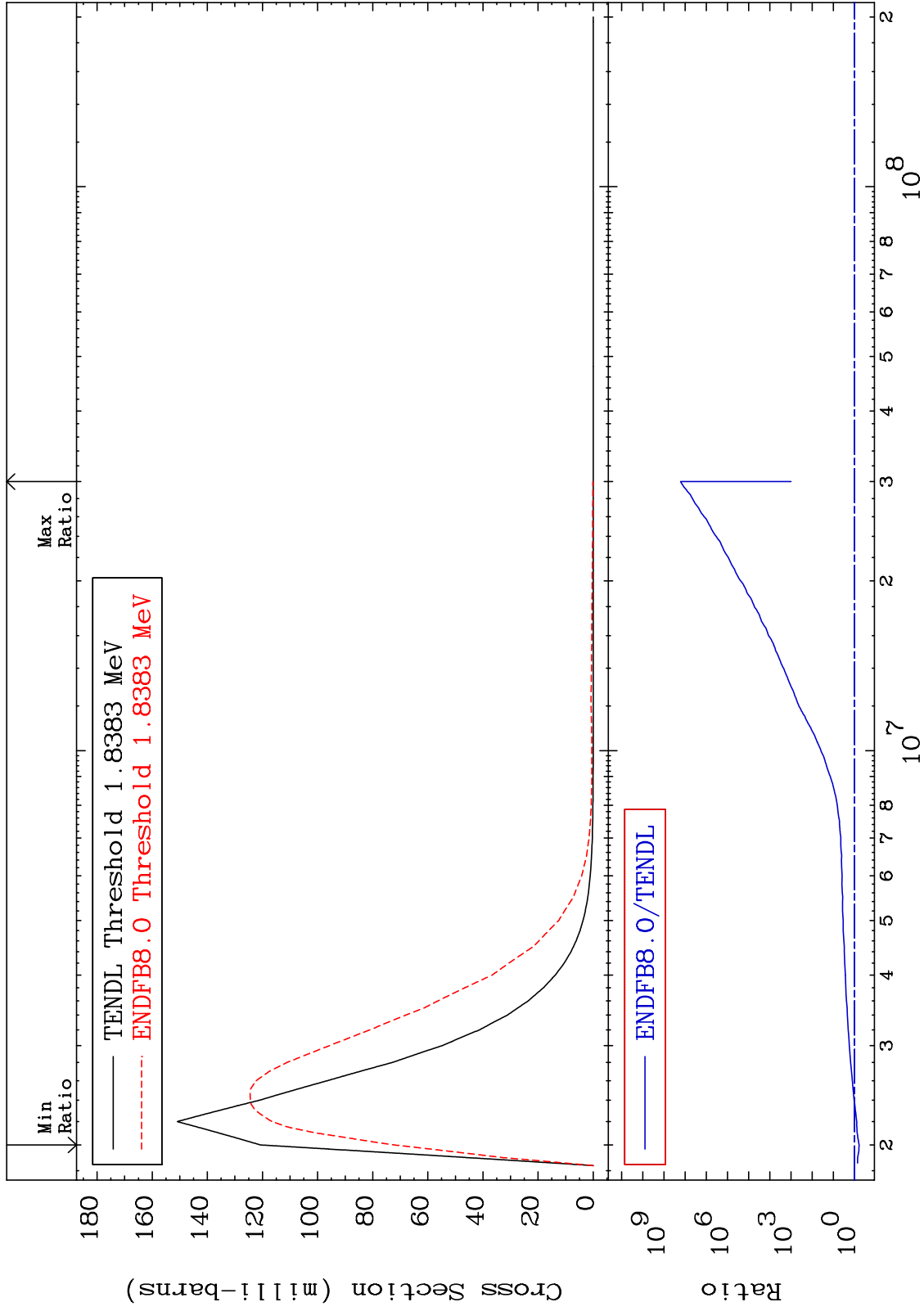
46-Pd-104
-96.08 To 91.24 %



MAT 4631

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

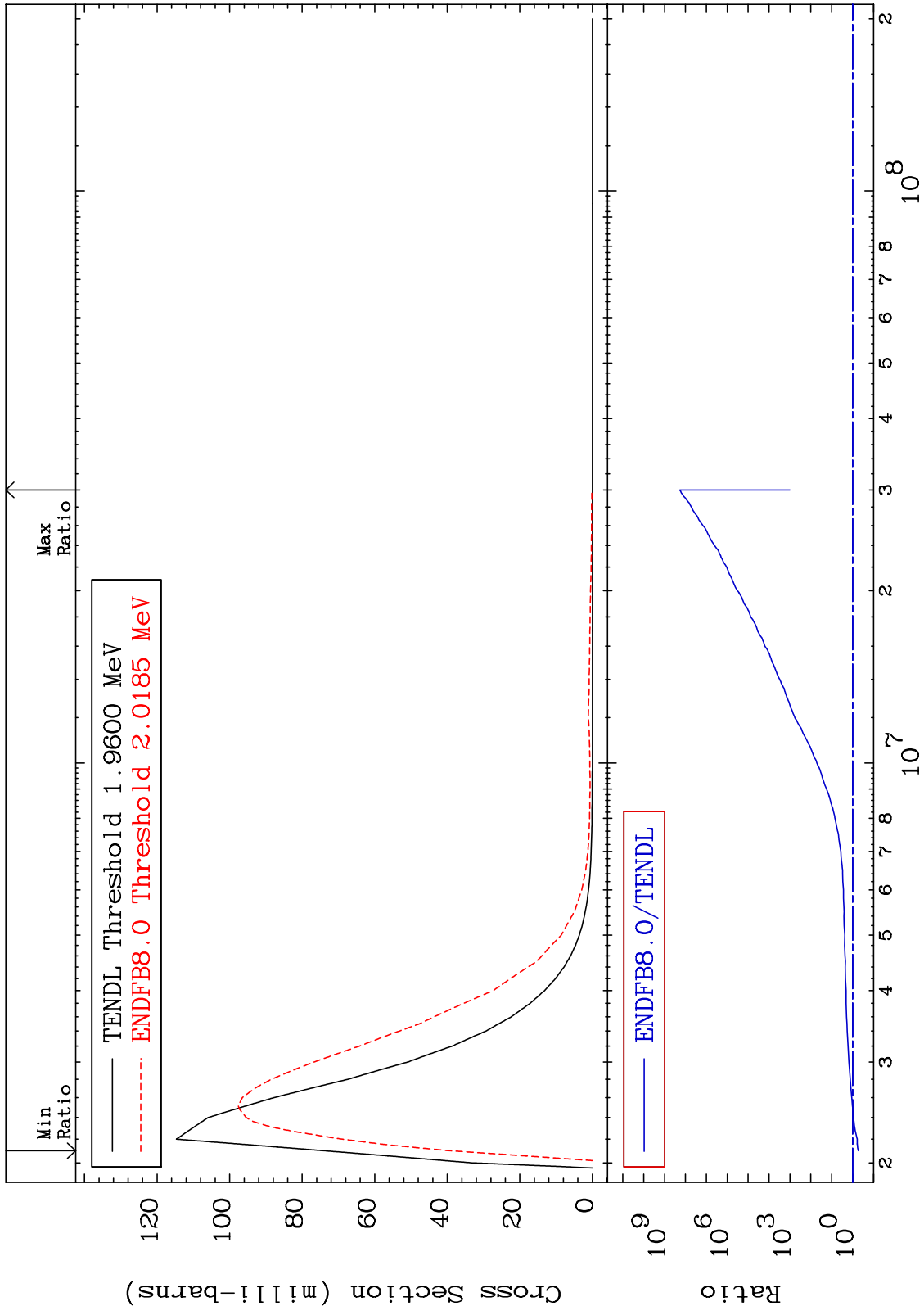
46-Pd-104
-40.24 To 9999. %



MAT 4631

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

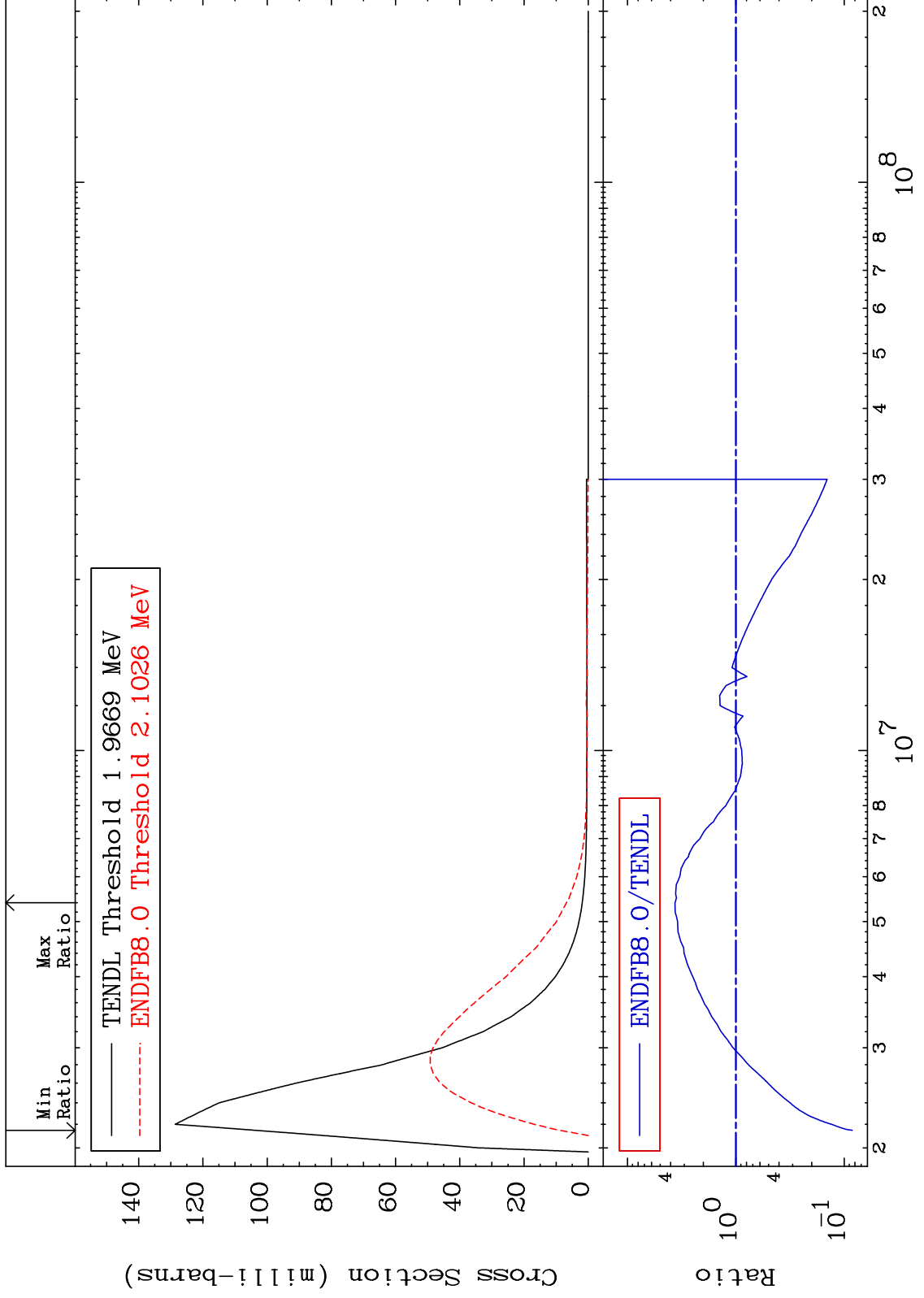
46-Pd-104
-46.91 To 9999. %



MAT 4631

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

46-Pd-104
-91.56 To 264.7 %



20

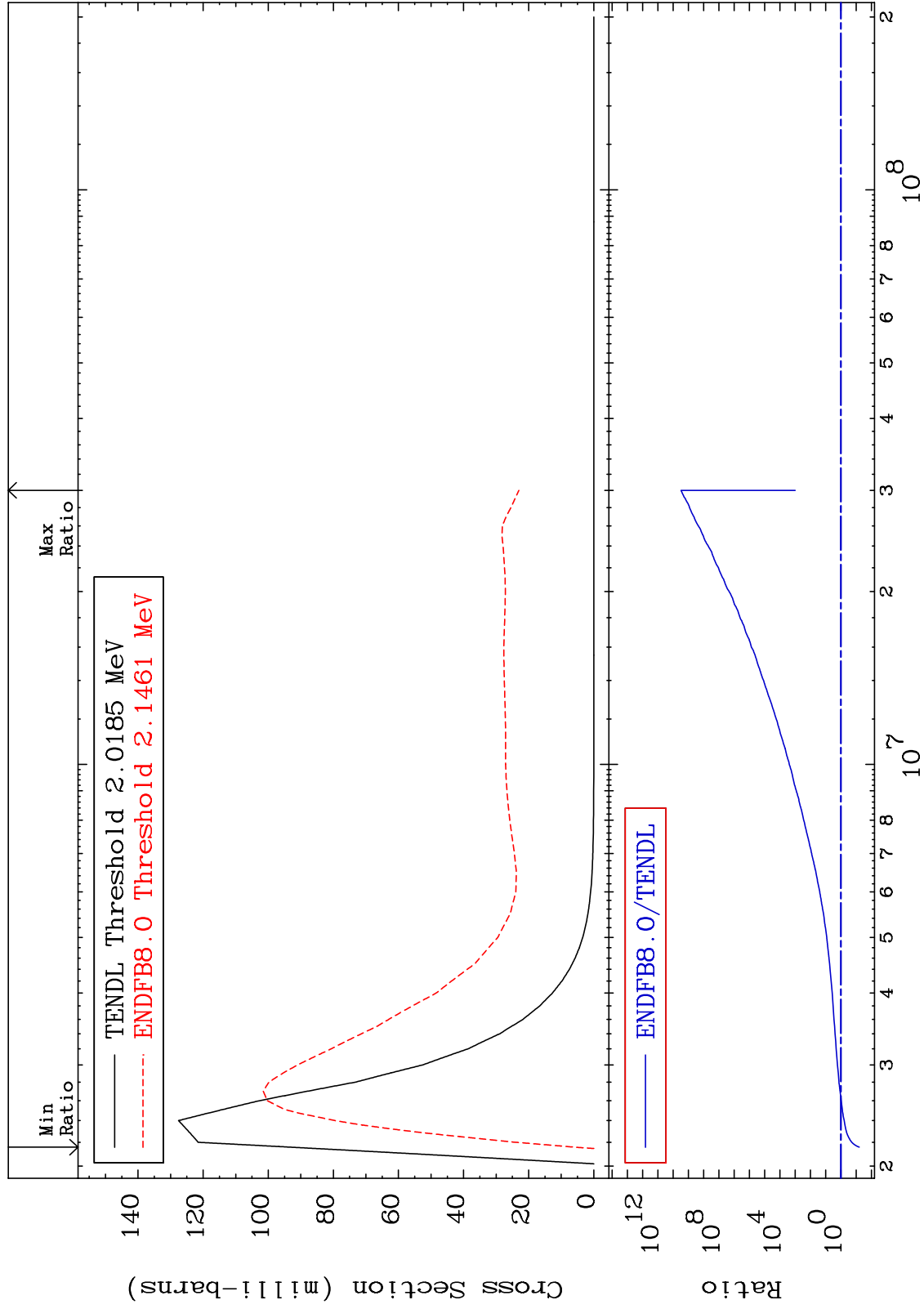
Incident Energy (eV)

46-Pd-104

MAT 4631

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

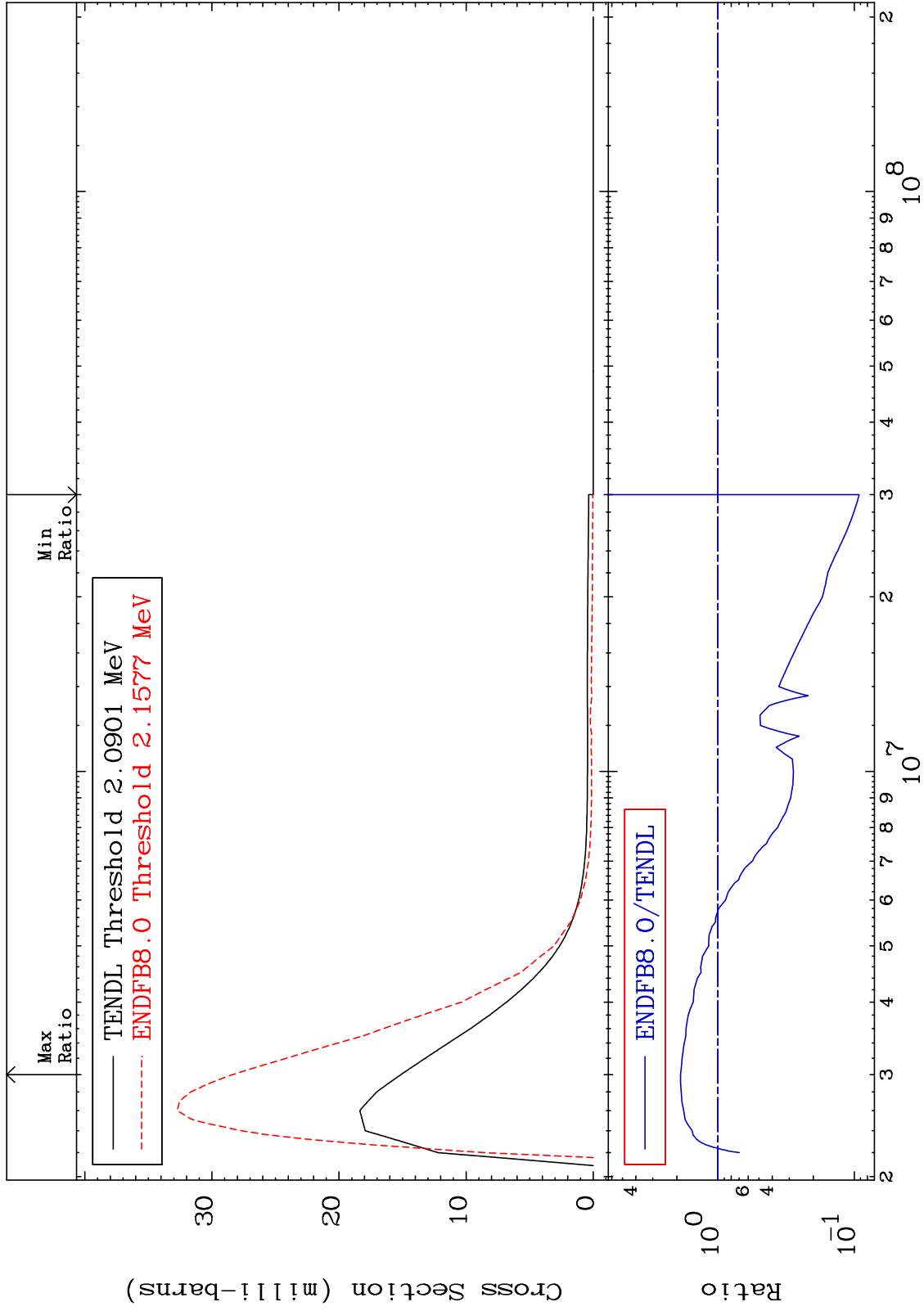
46-Pd-104
-93.65 To 9999. %



MAT 4631

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

46-Pd-104
-90.79 To 87.57 %



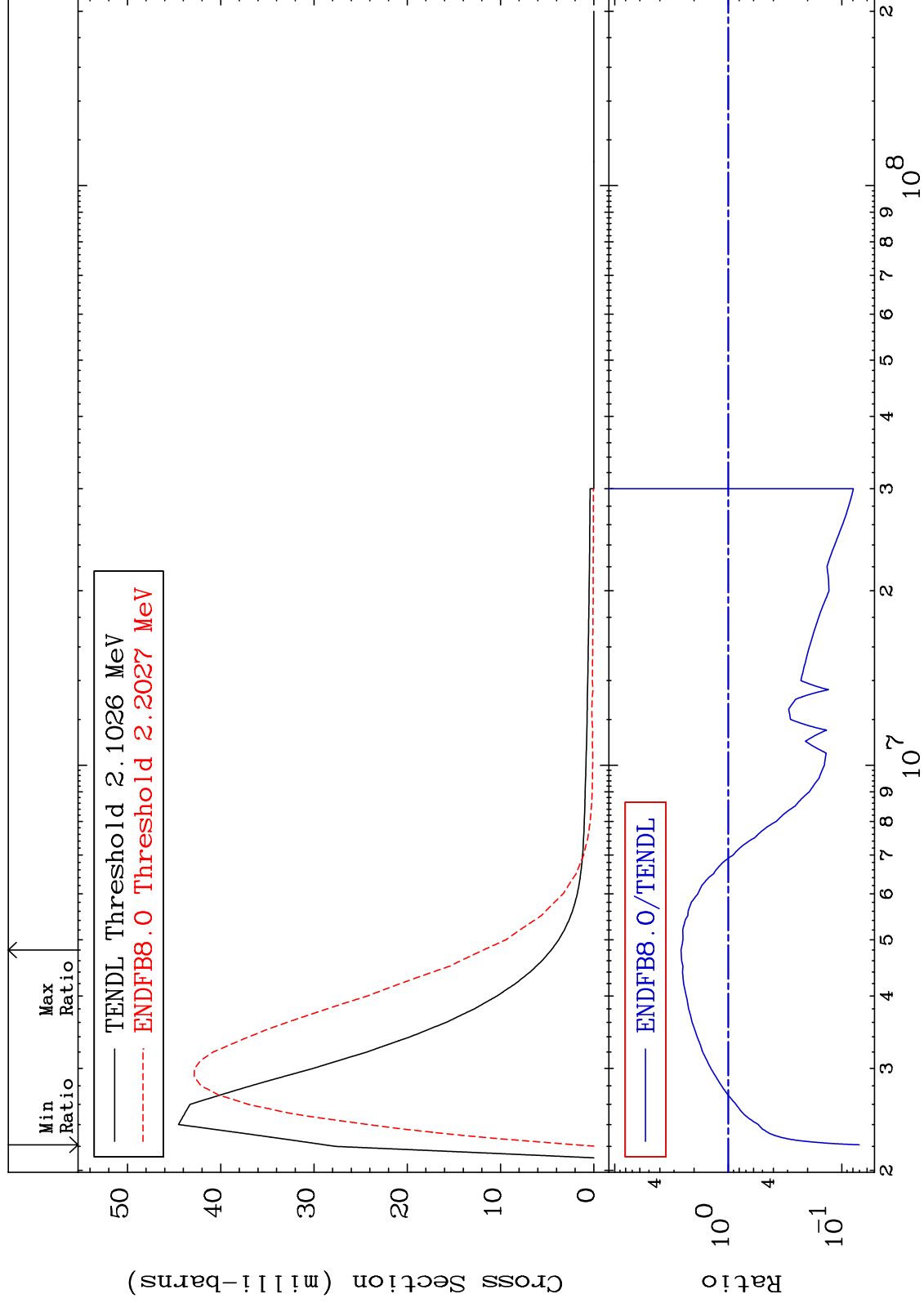
22

46-Pd-104

MAT 4631

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

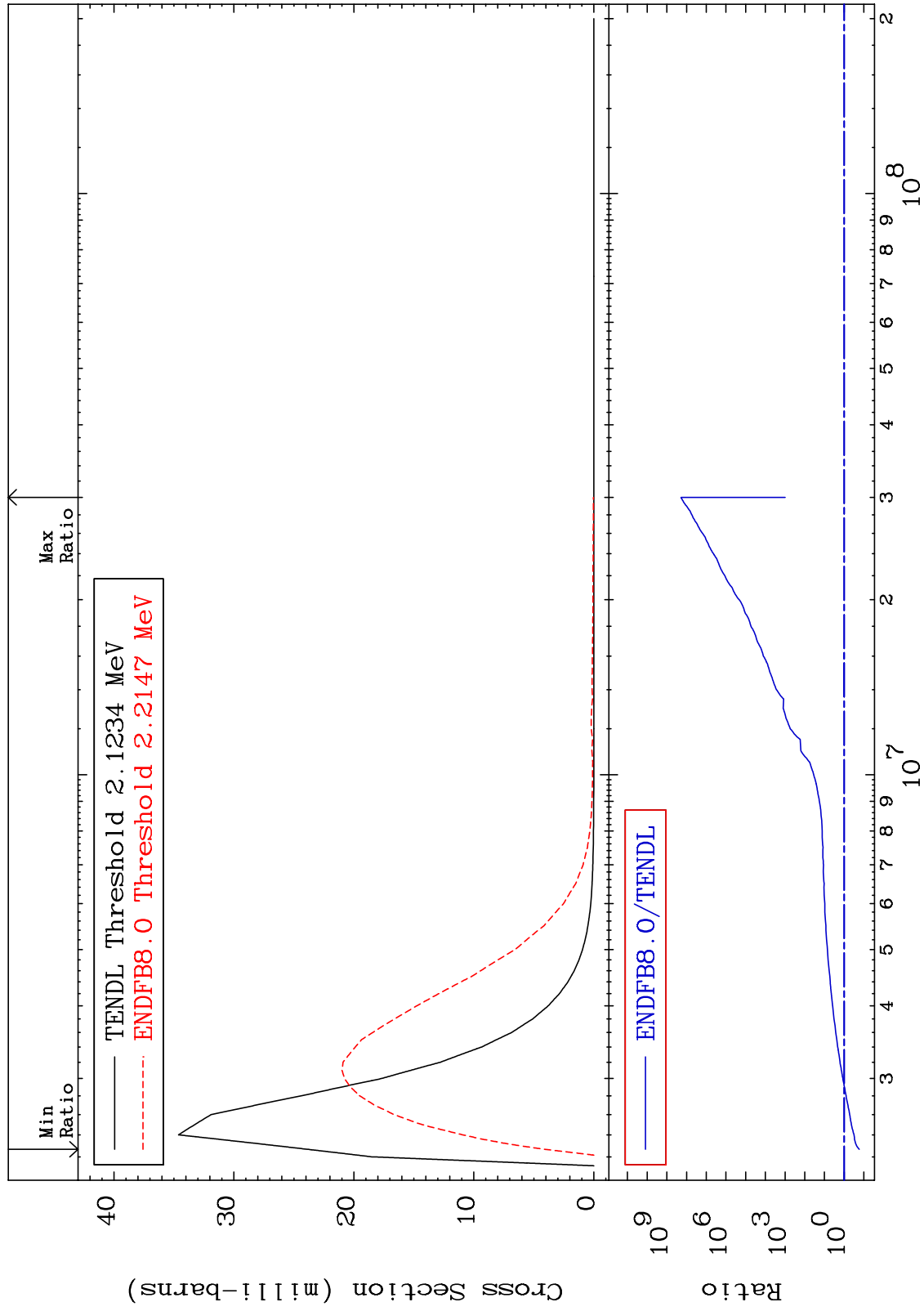
46-Pd-104
-92.98 To 160.3 %



MAT 4631

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

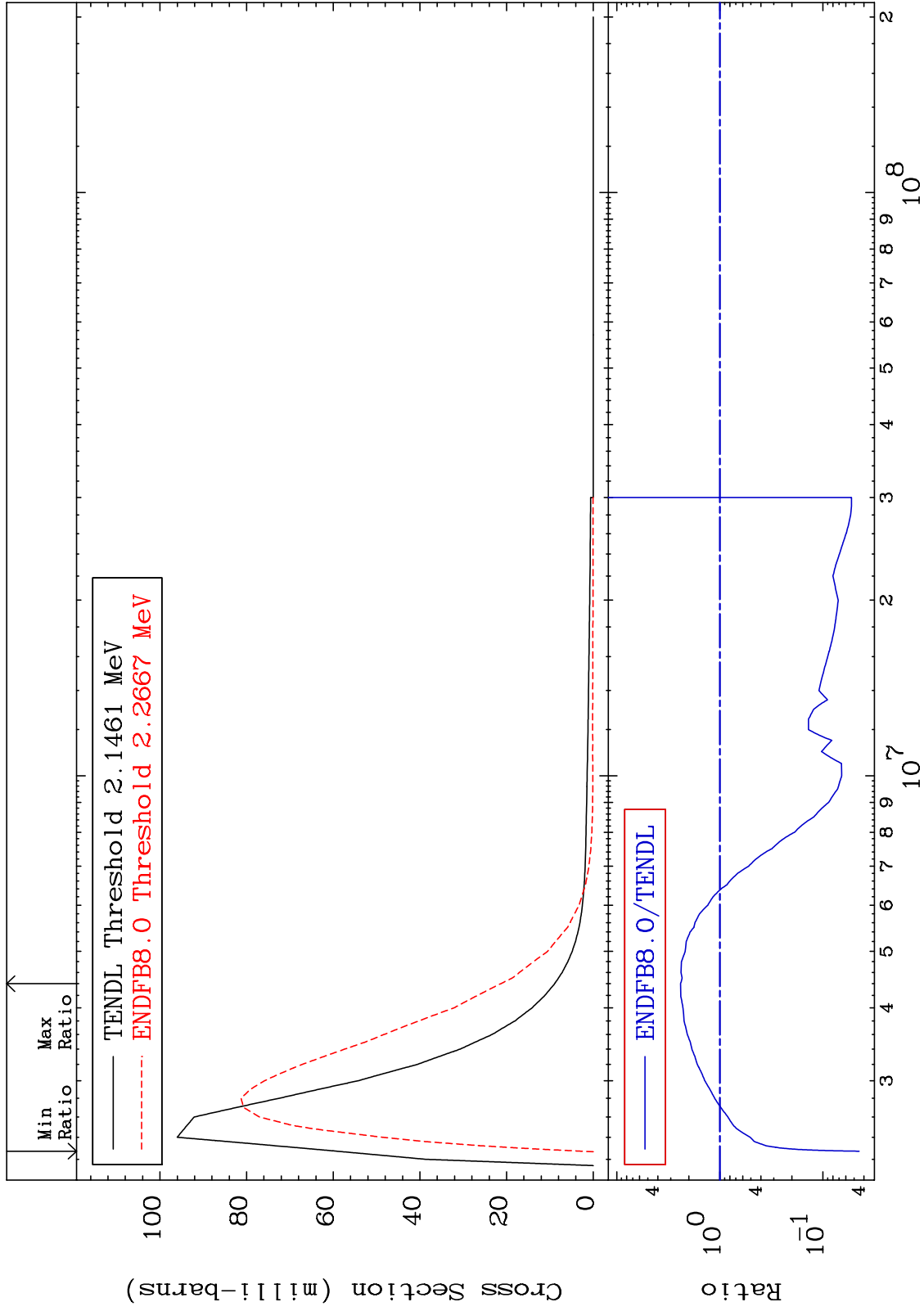
46-Pd-104
-82.91 To 9999. %



MAT 4631

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

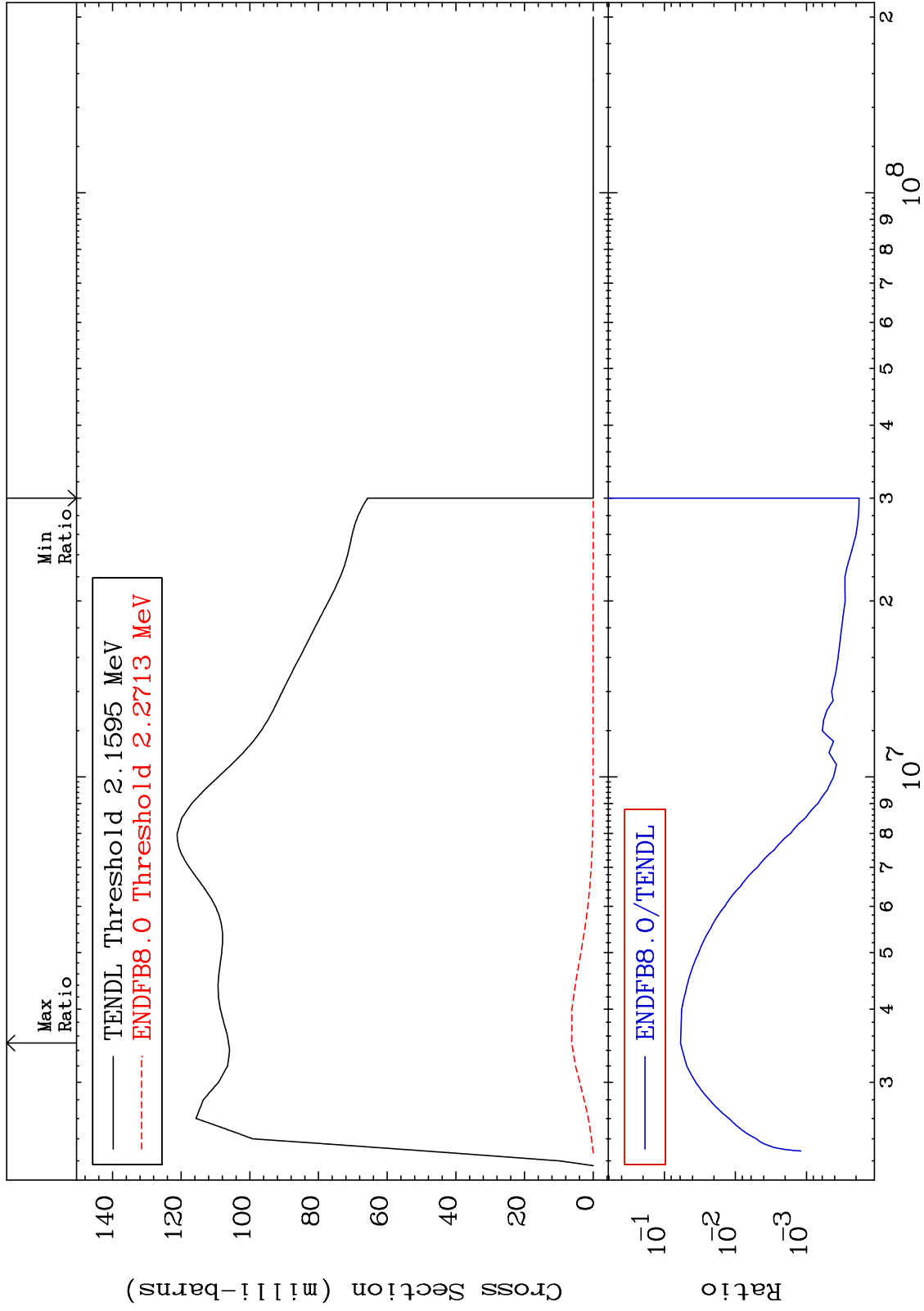
46-Pd-104
-95.54 To 140.2 %



MAT 4631

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

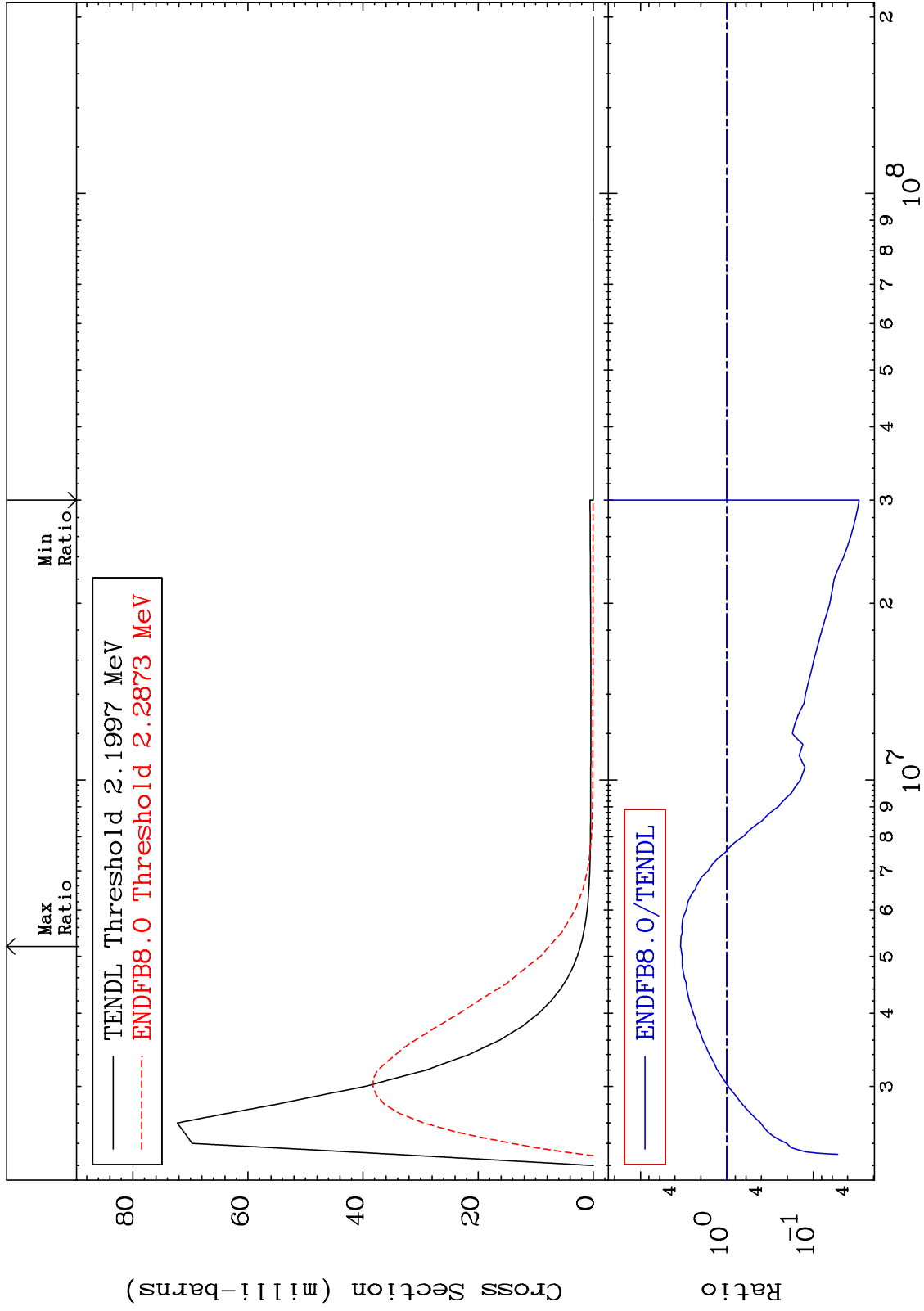
46-Pd-104
-99.98 To -94.11%



MAT 4631

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

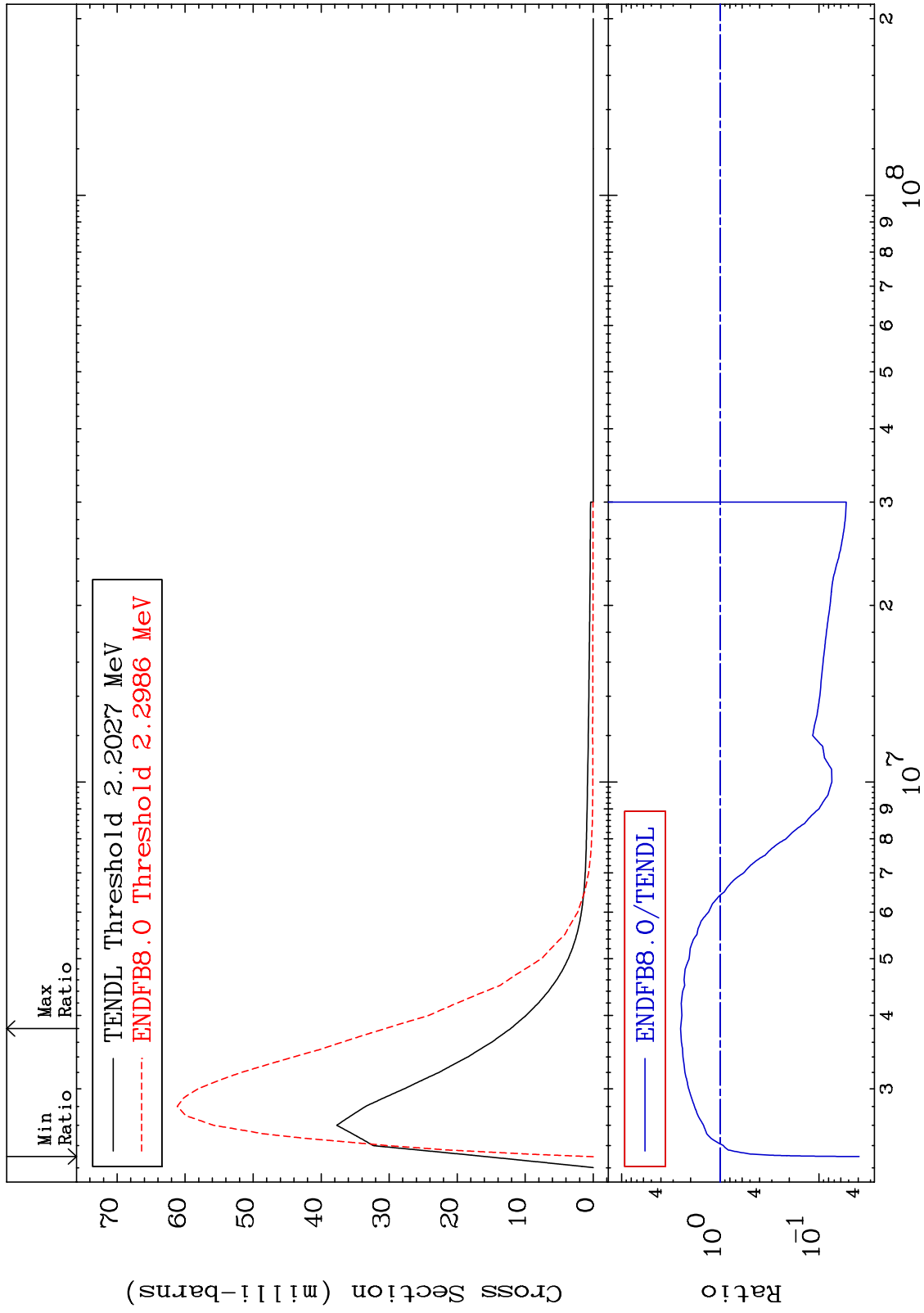
46-Pd-104
-97.07 To 244.0 %



MAT 4631

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

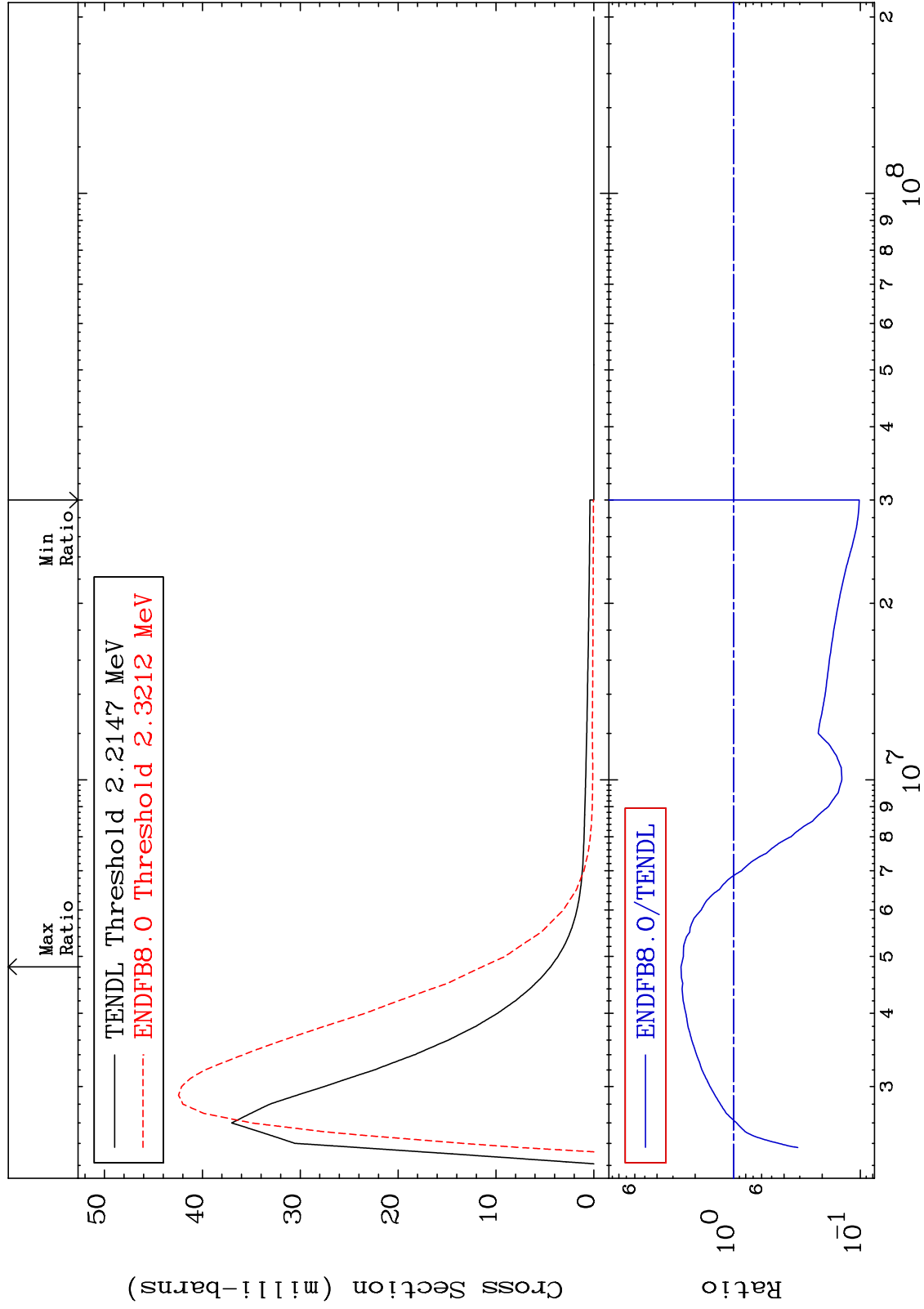
46-Pd-104
-96.08 To 152.3 %



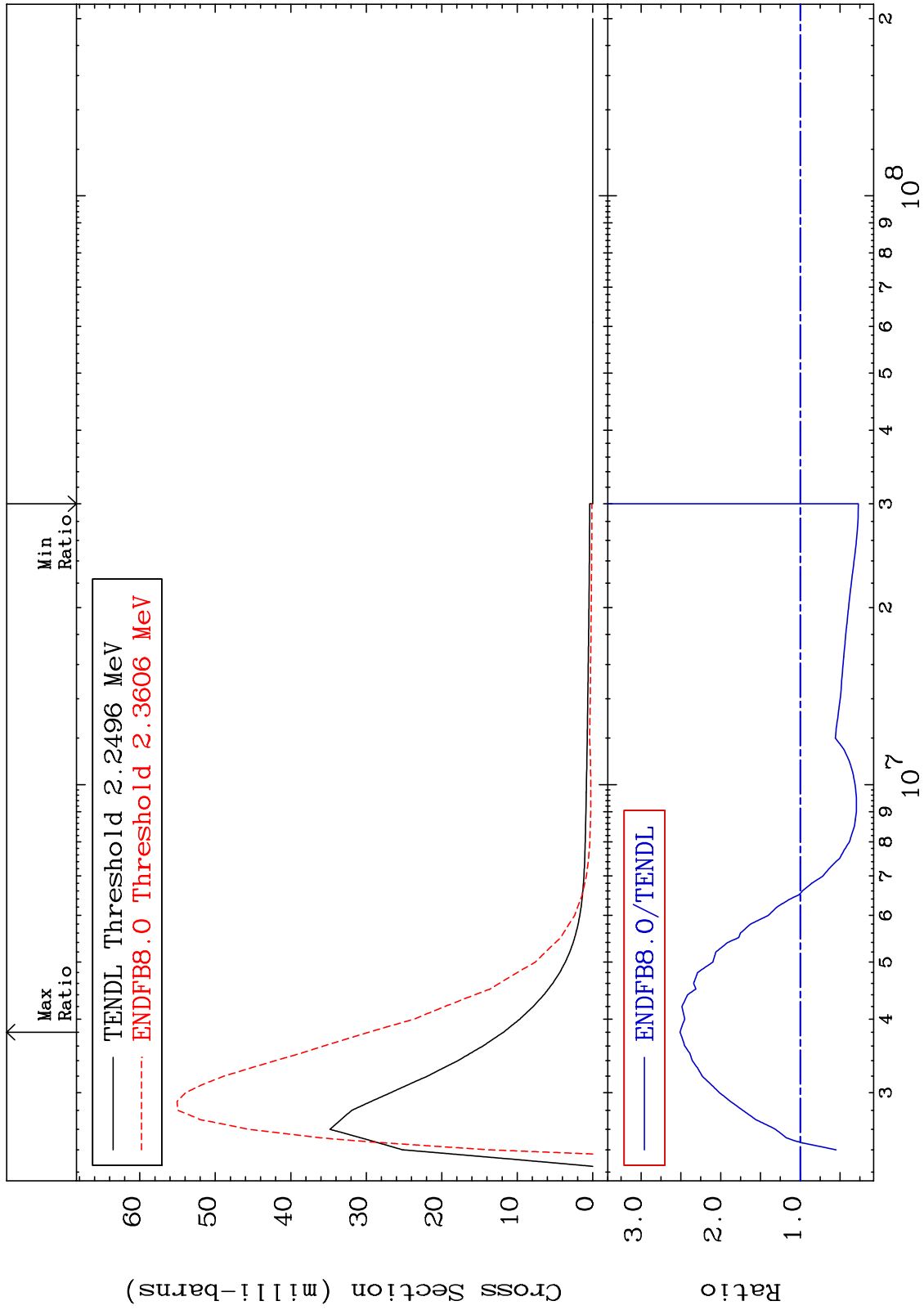
MAT 4631

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

46-Pd-104
-89.79 To 158.8 %



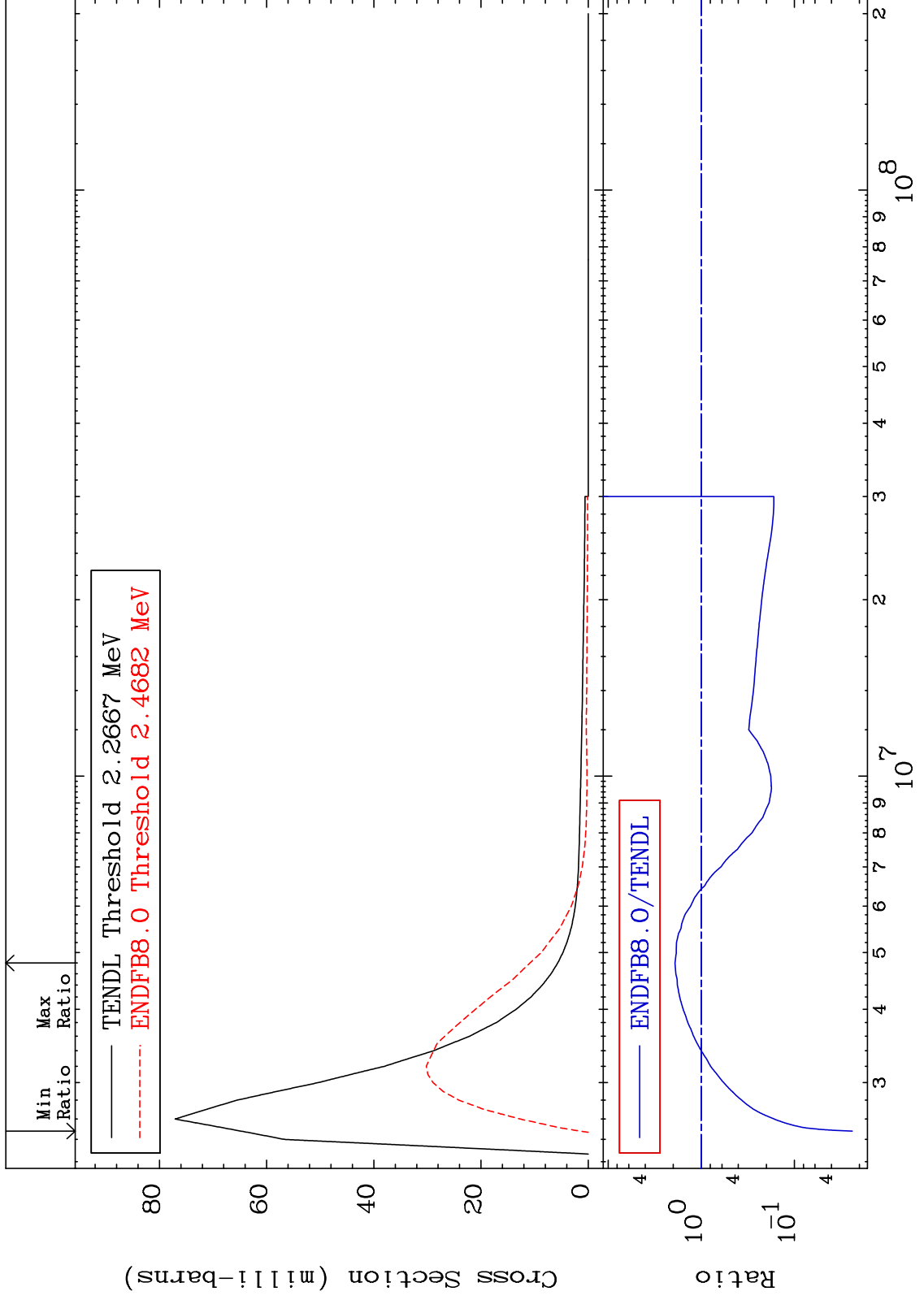
MAT 4631 MT= 69 (n,n') Level Cross Section 46-Pd-104 -73.06 To 151.0 %



MAT 4631

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

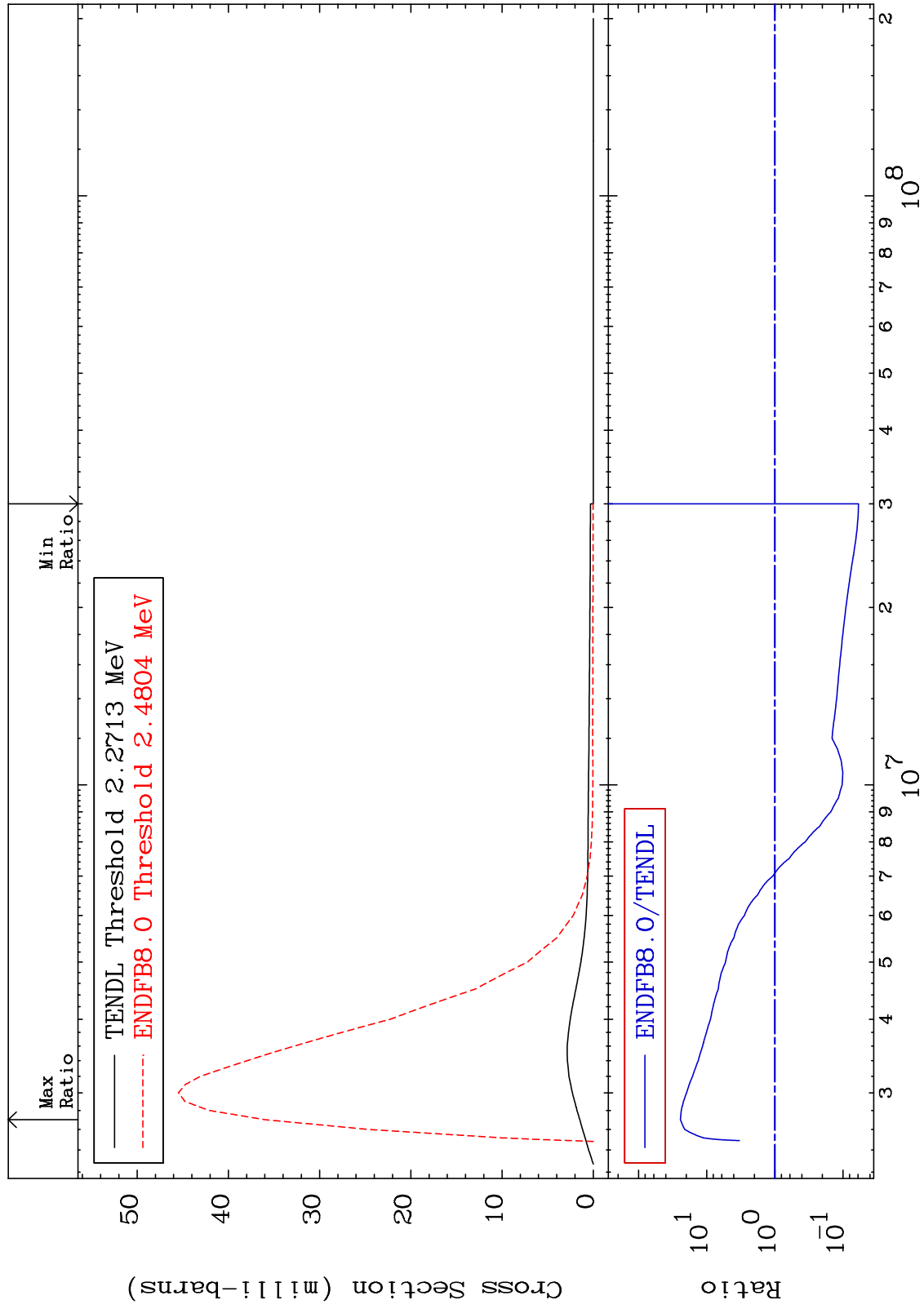
46-Pd-104
-97.61 To 91.25 %



MAT 4631

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

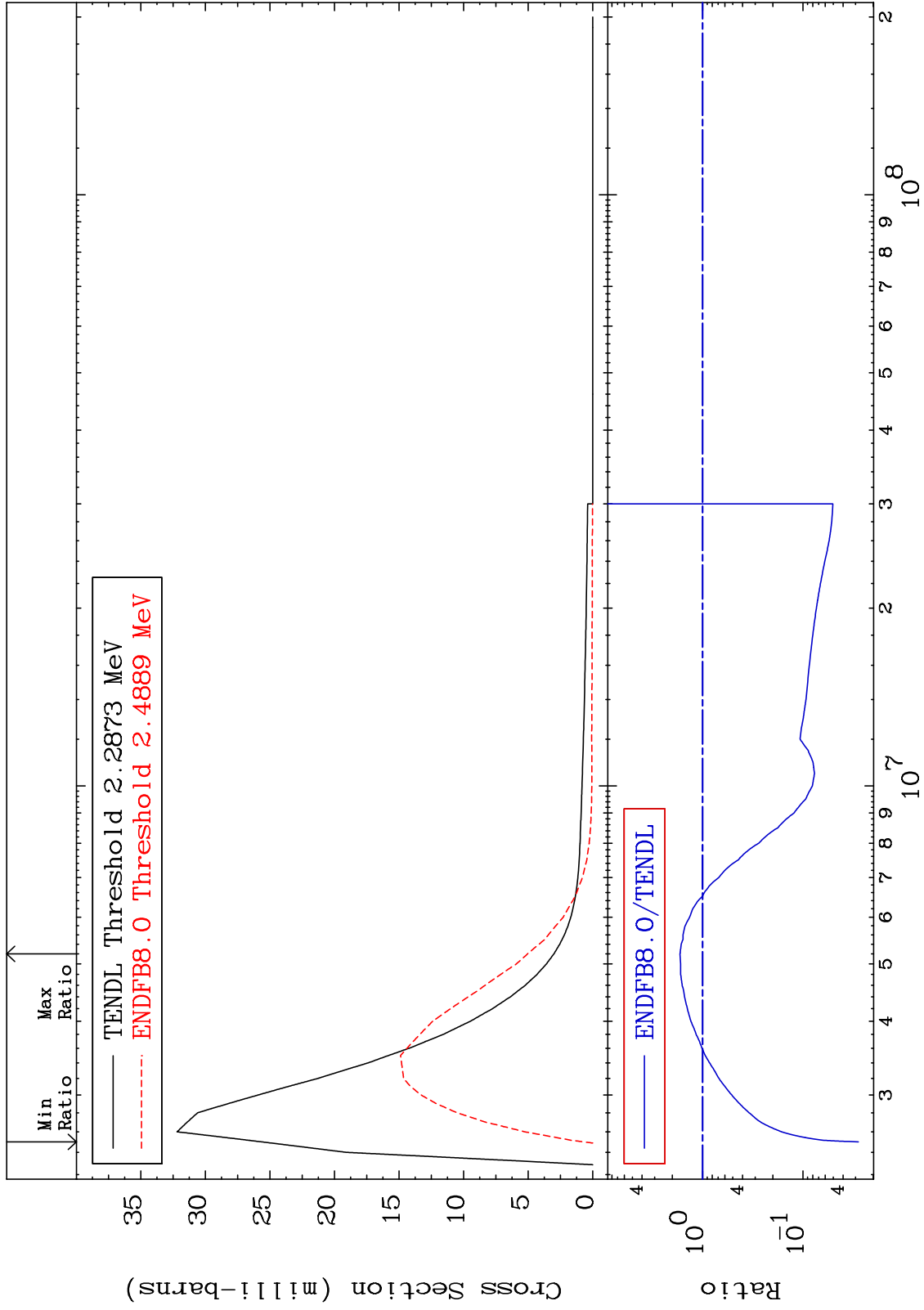
46-Pd-104
-94.10 To 2331. %



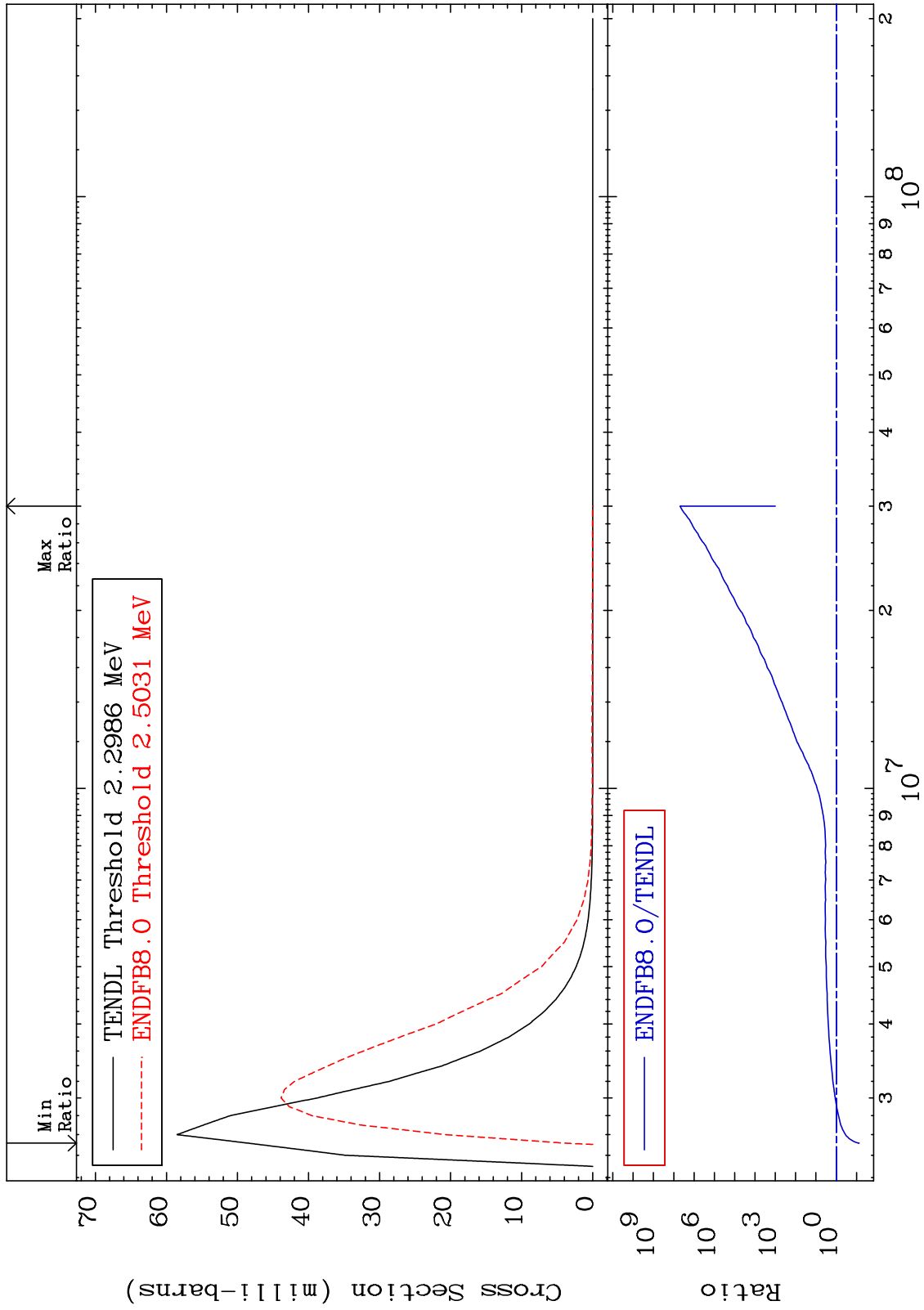
MAT 4631

MT= 72 (n,n') Level
Cross Section

46-Pd-104
-97.19 To 67.69 %



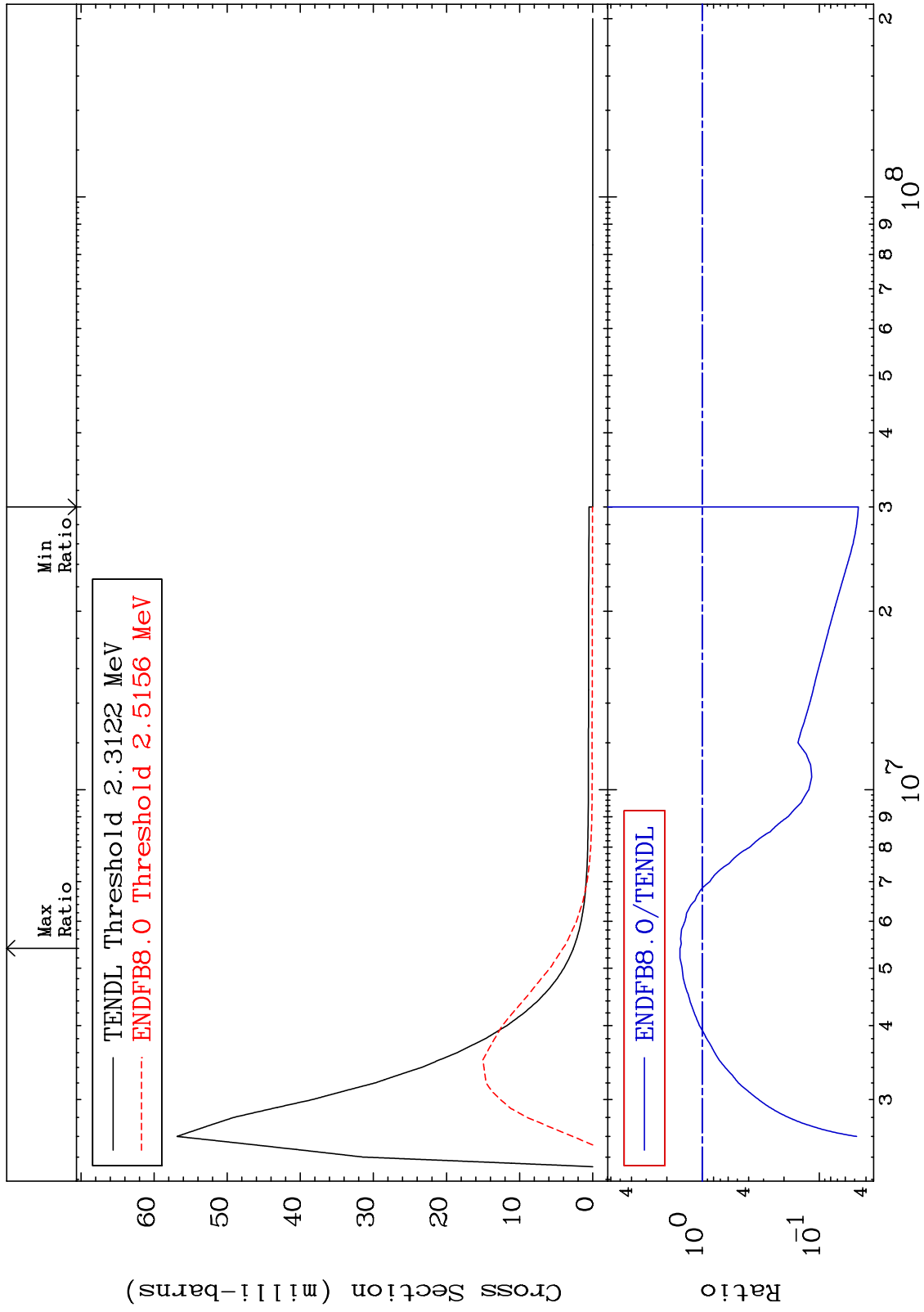
MAT 4631 MT= 73 (n,n') Level Cross Section 46-Pd-104
 -91.89 To 9999. %



MAT 4631

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

46-Pd-104
-95.36 To 54.28 %



35

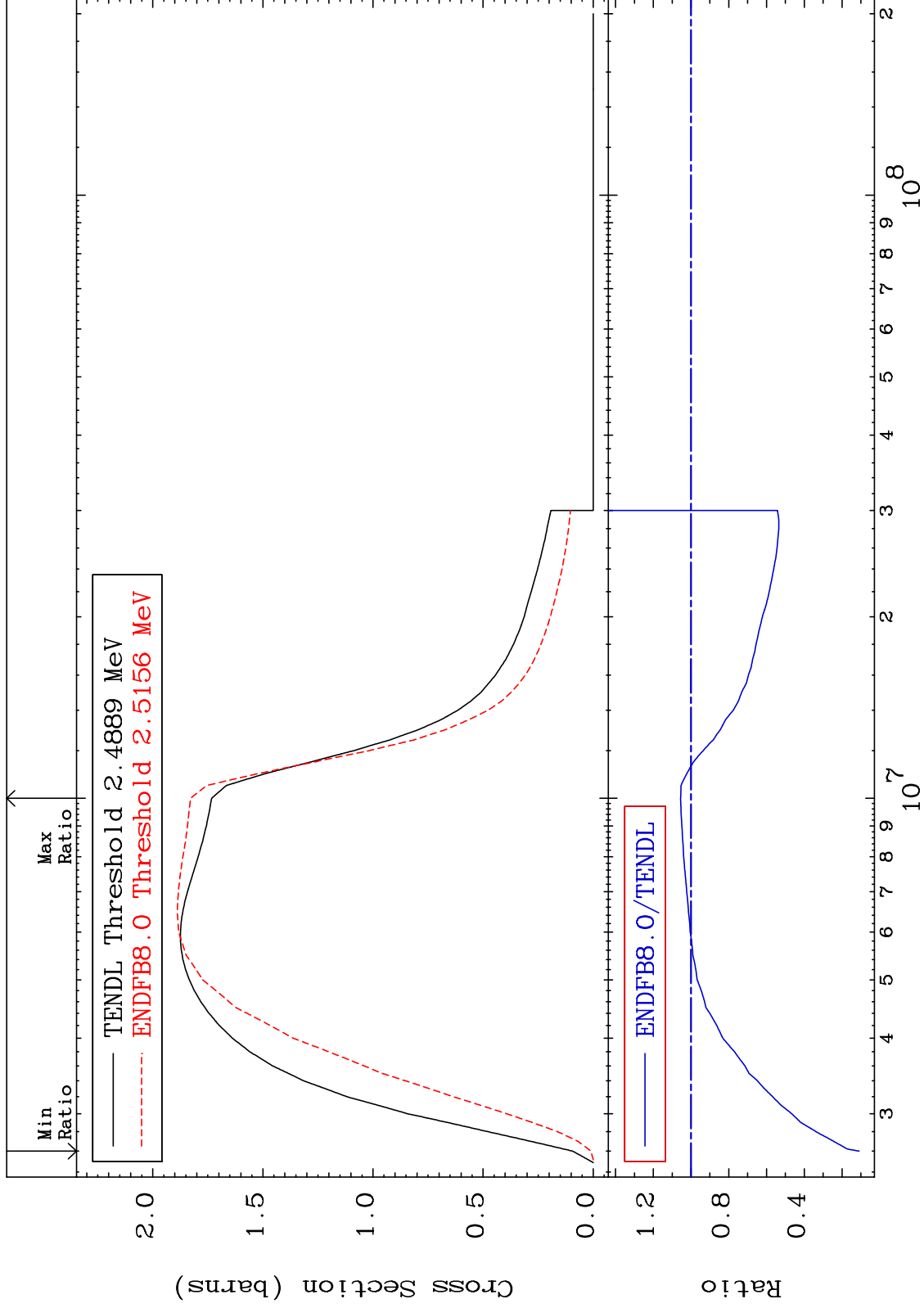
Incident Energy (eV)

46-Pd-104

MAT 4631

(n,n') Continuum
Cross Section

46-Pd-104
-89.07 To 5.514 %



36

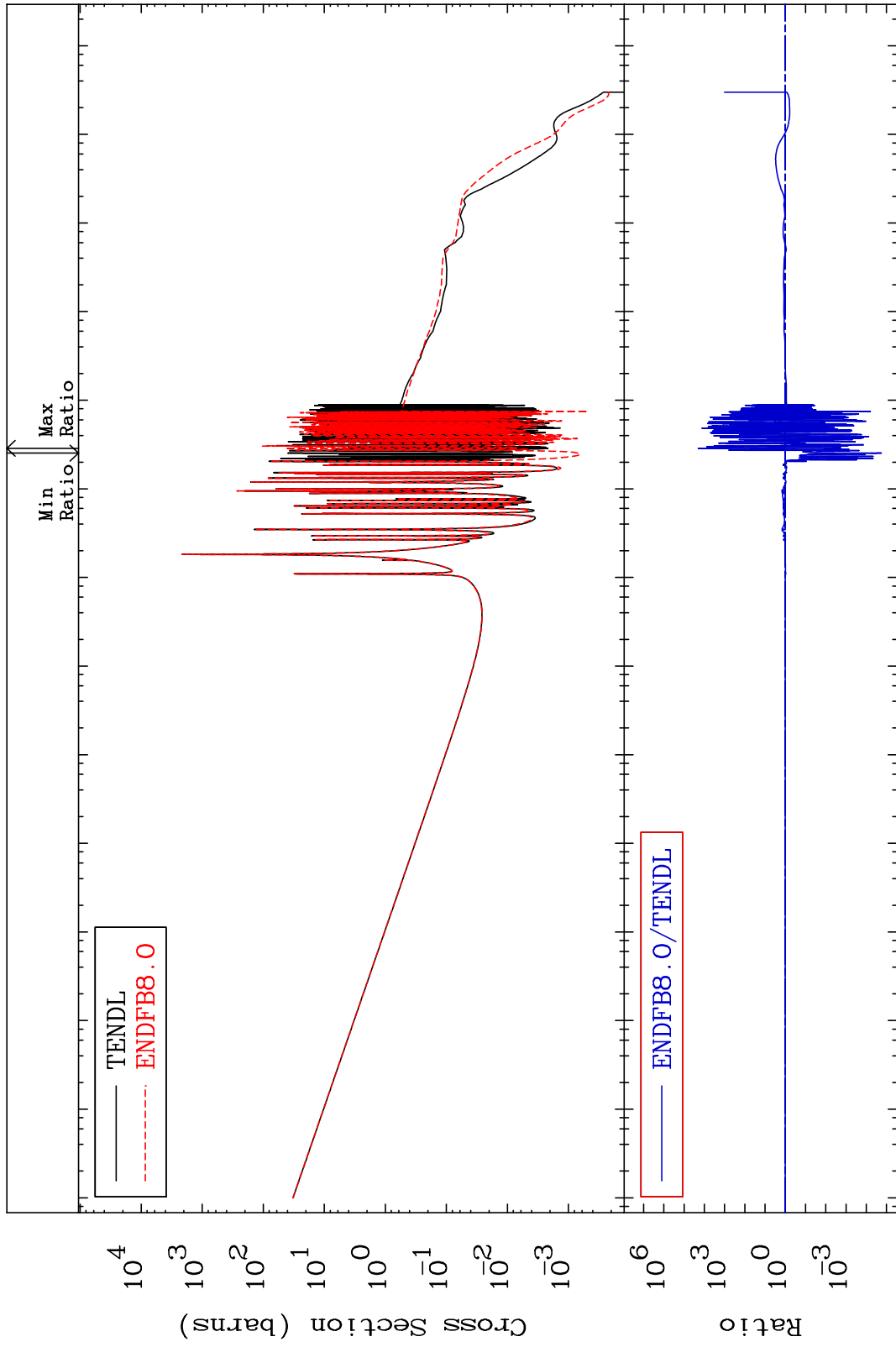
Incident Energy (eV)

46-Pd-104

MAT 4631

(n, γ)
Cross Section

46-Pd-104
-100.0 To 9999. %



37

Incident Energy (eV)

46-Pd-104

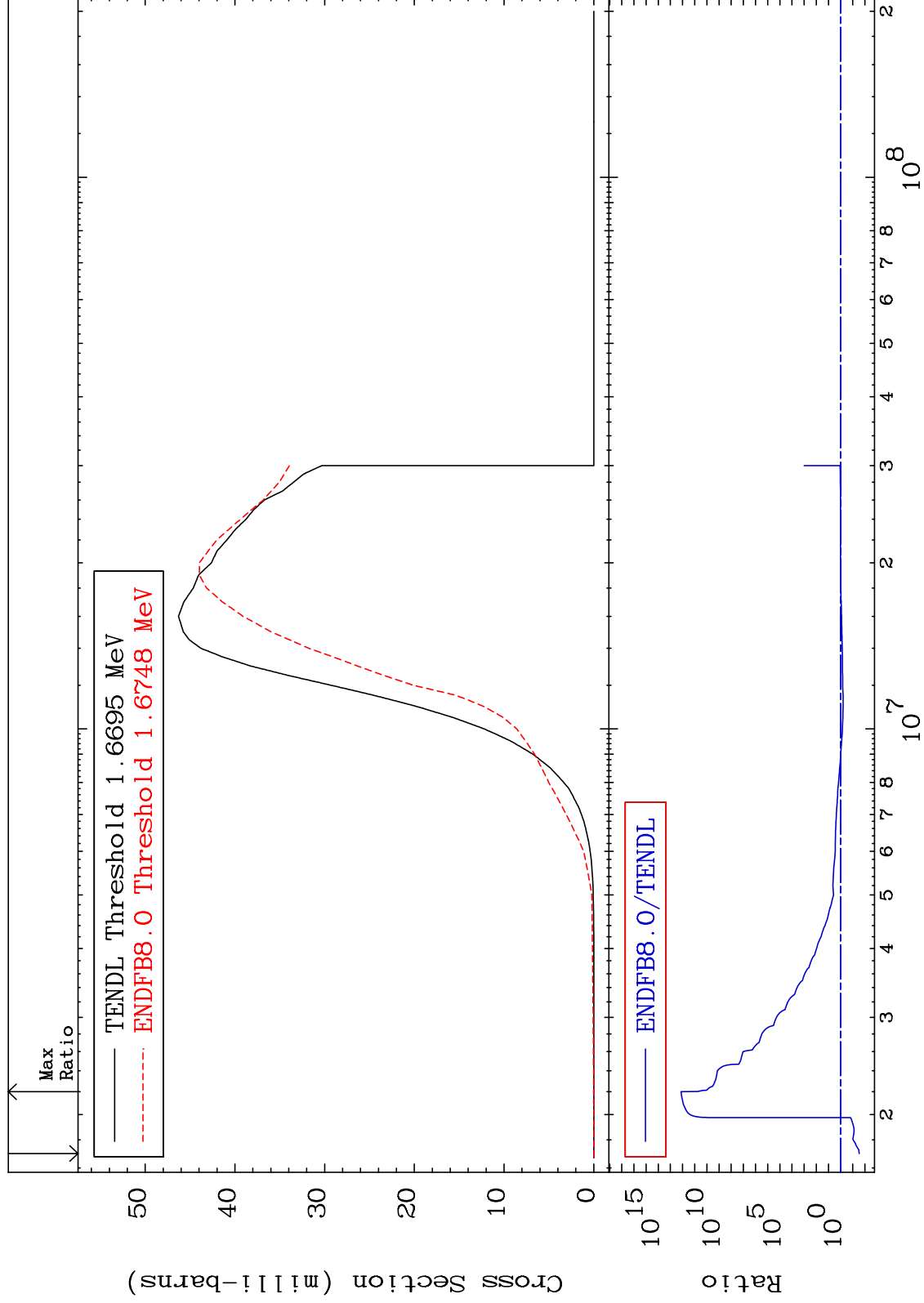
MAT 4631

(n,p)

46-Pd-104

Cross Section

-97.10 To 9999. %



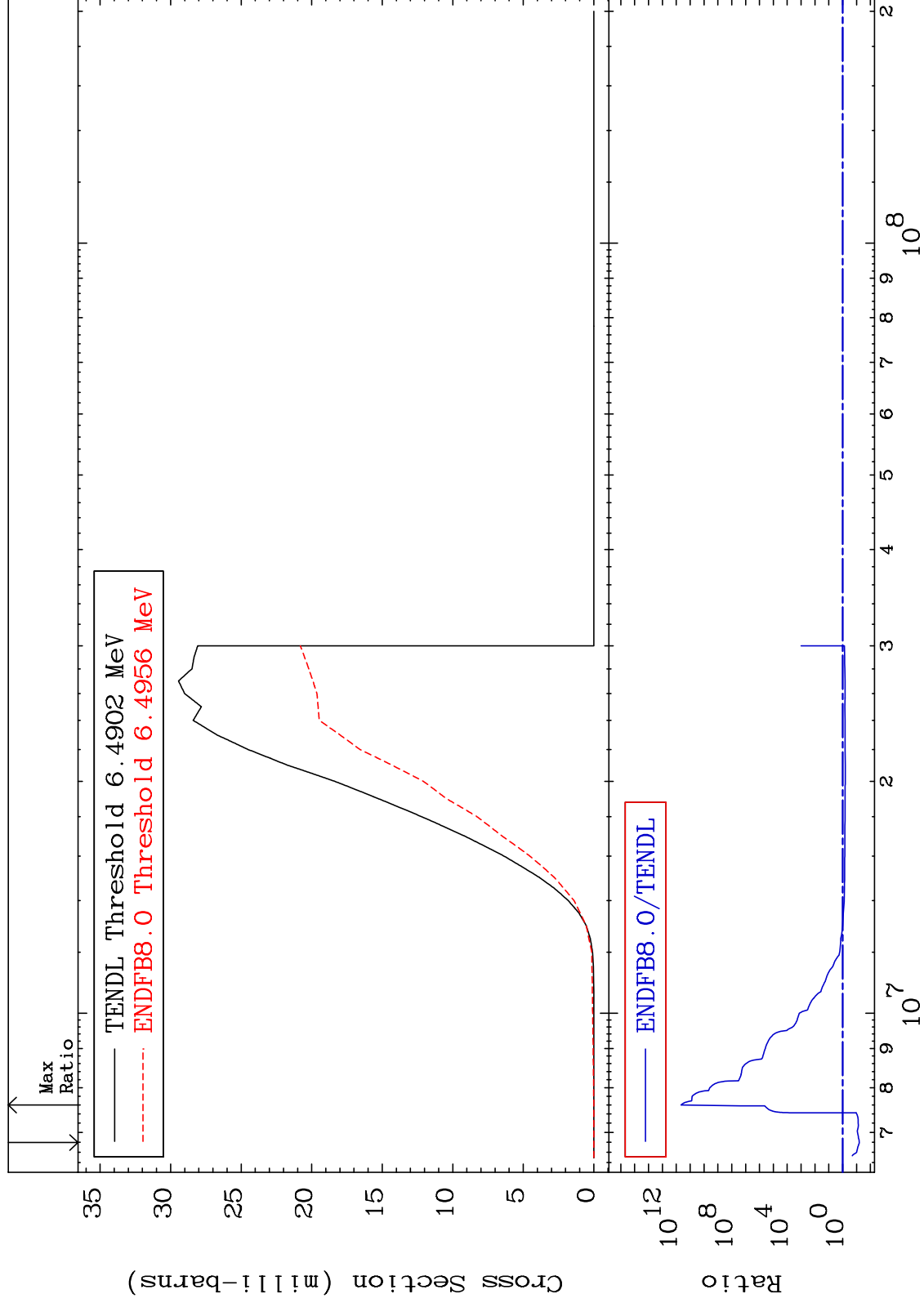
MAT 4631

(n,d)

46-Pd-104

Cross Section

-93.63 To 9999. %



39

Incident Energy (eV)

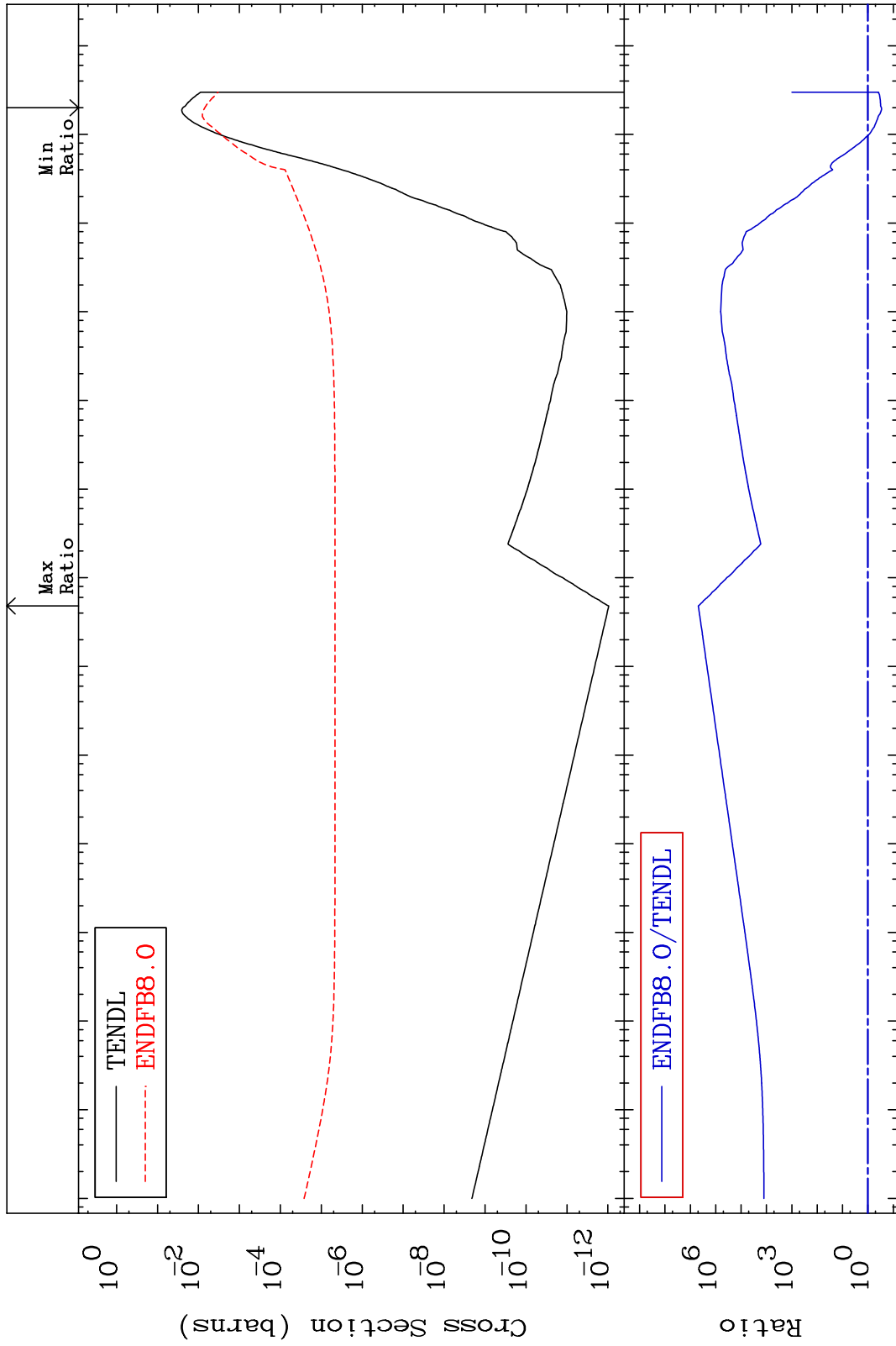
46-Pd-104

MAT 4631

46-Pd-104

-71.00 To 9999. %

(n, α)
Cross Section



46-Pd-104

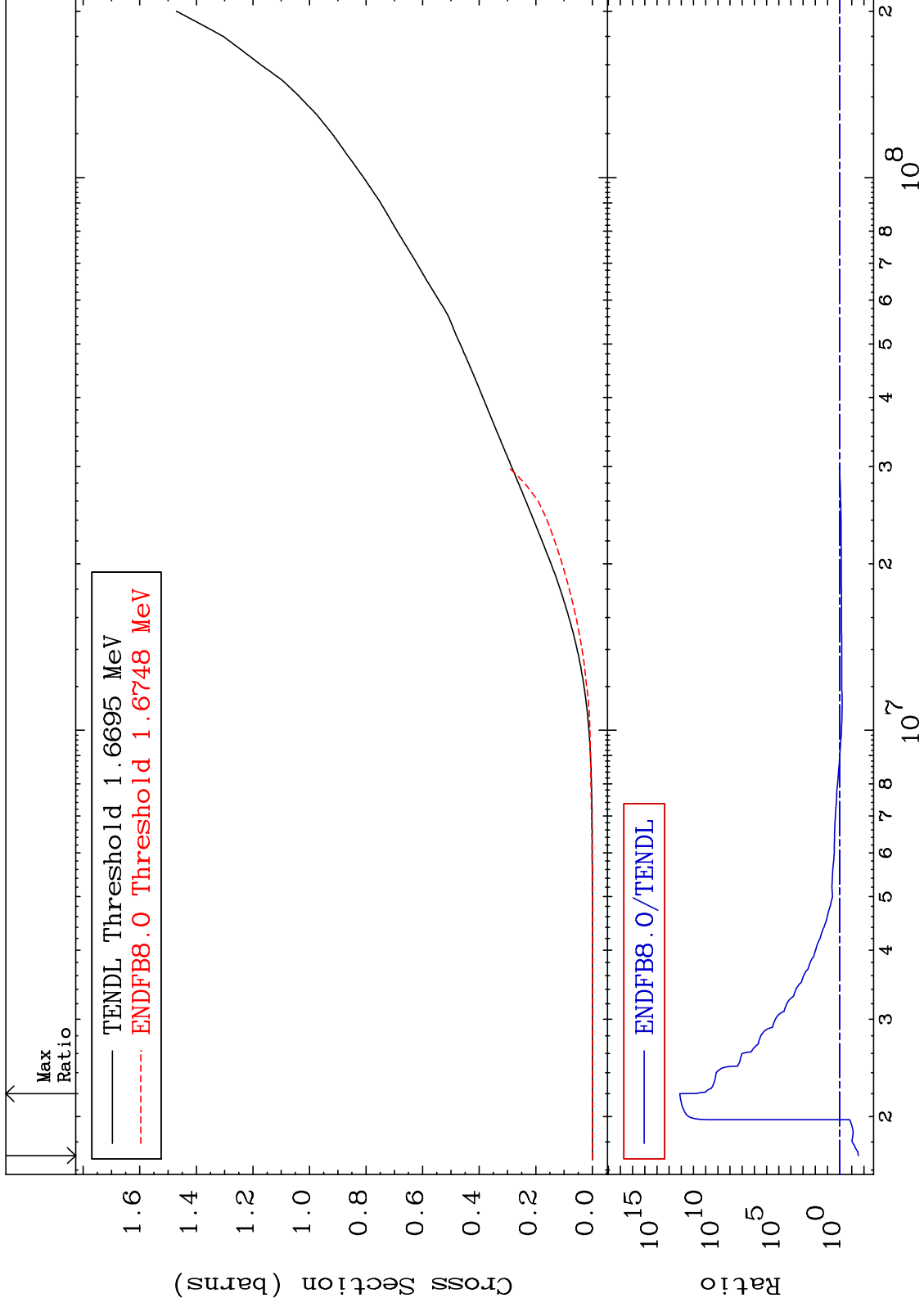
Incident Energy (eV)

40

MAT 4631

Hydrogen Production
Cross Section

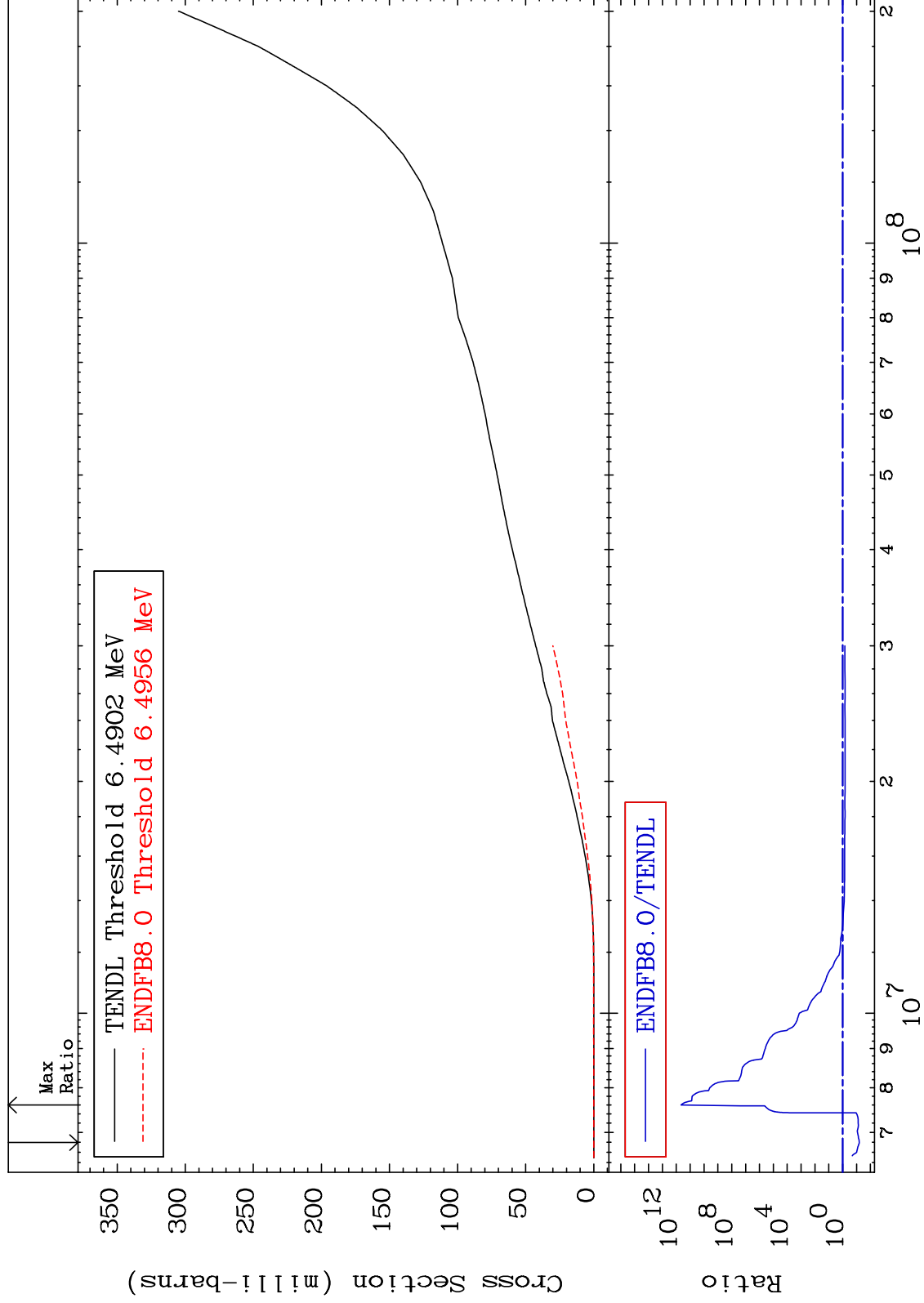
46-Pd-104
-97.10 To 9999. %



MAT 4631

Deuterium Production
Cross Section

46-Pd-104
-93.63 To 9999. %



42

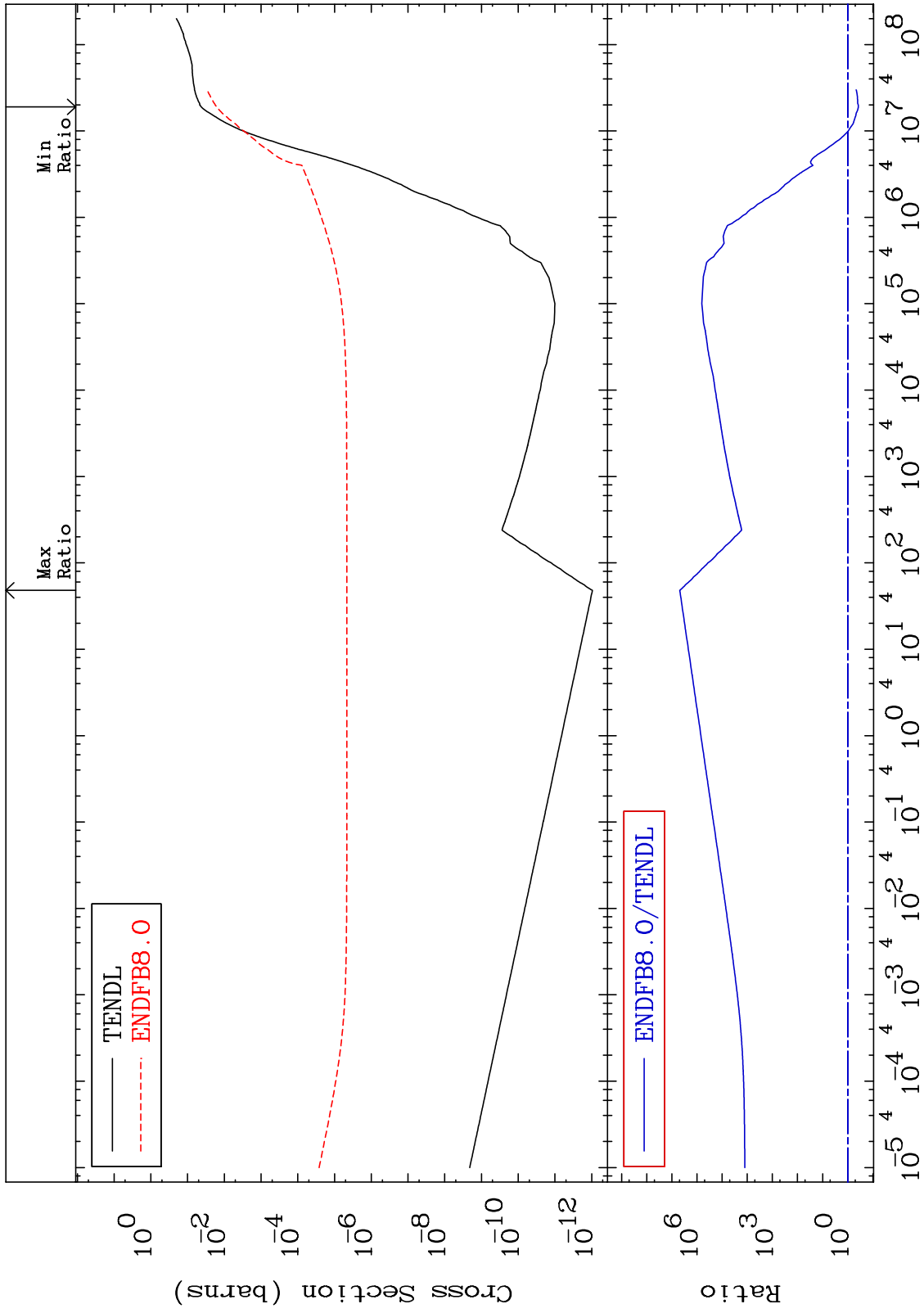
Incident Energy (eV)

46-Pd-104

MAT 4631

He-4 Production
Cross Section

46-Pd-104
-62.12 To 9999. %



43

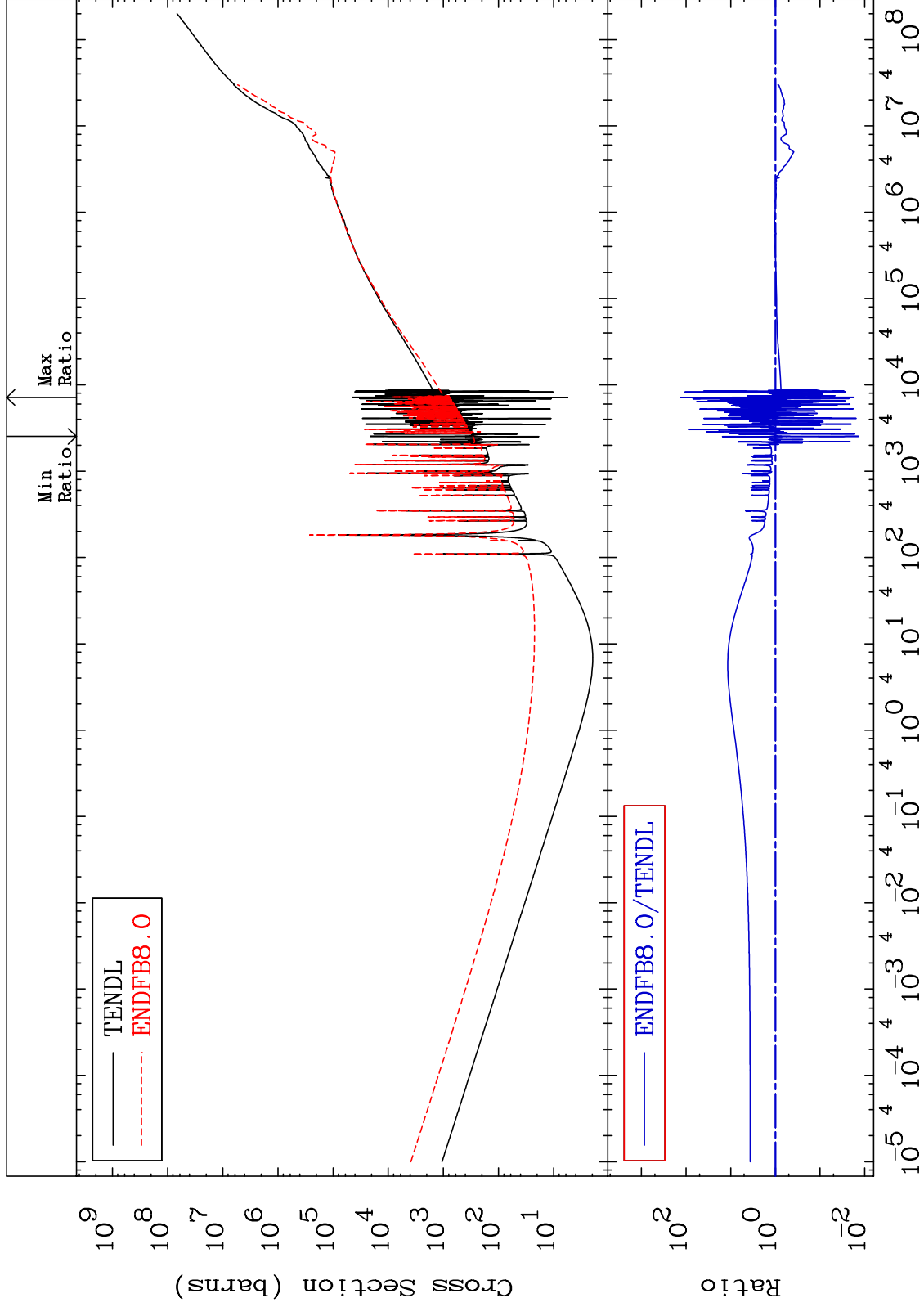
Incident Energy (eV)

46-Pd-104

MAT 4631

Kerma total (eV-barns)
Cross Section

46-Pd-104
-98.61 To 9999. %



44

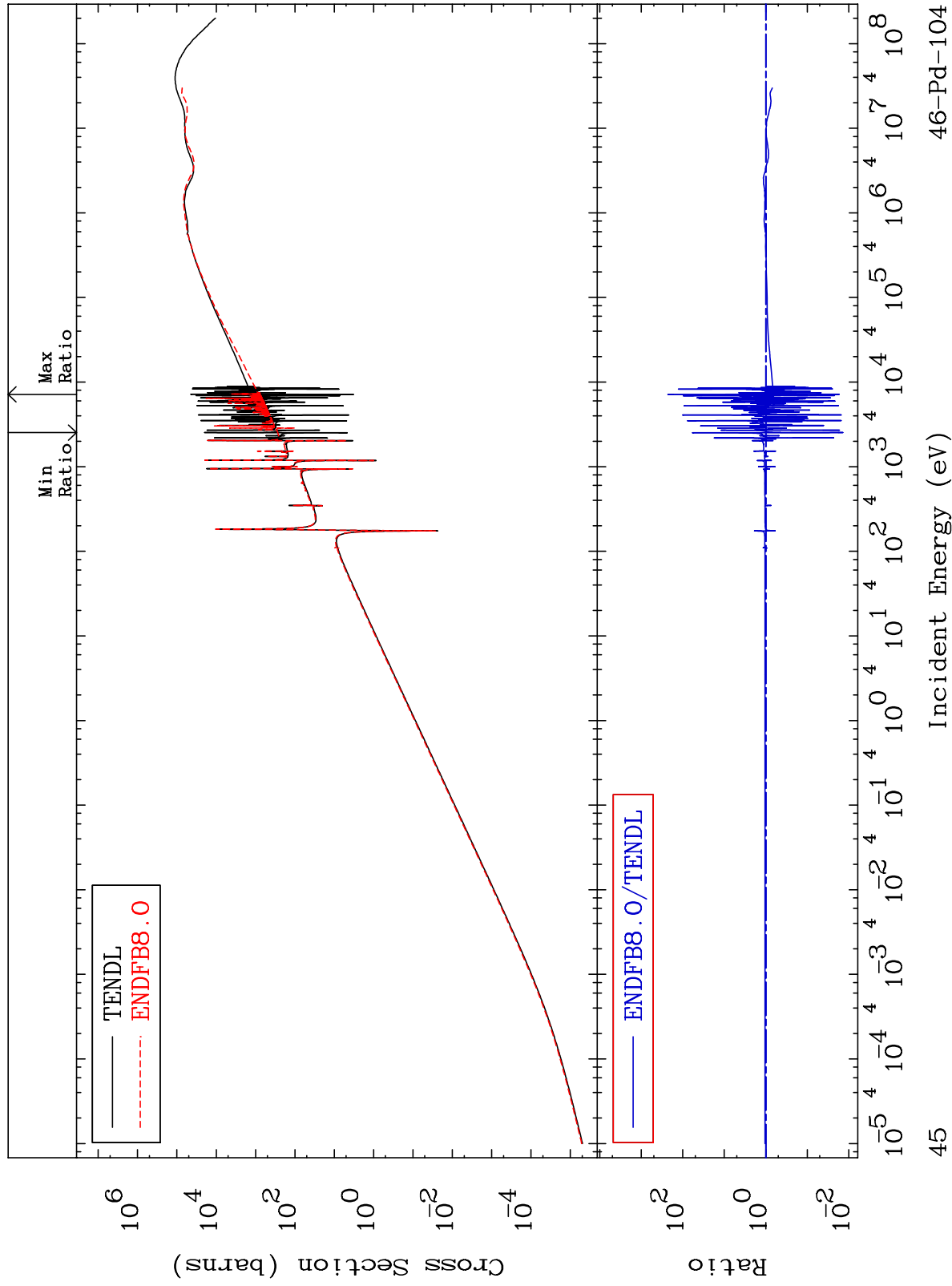
Incident Energy (eV)

46-Pd-104

MAT 4631

Kerma elastic
Cross Section

46-Pd-104
-98.61 To 9999. %



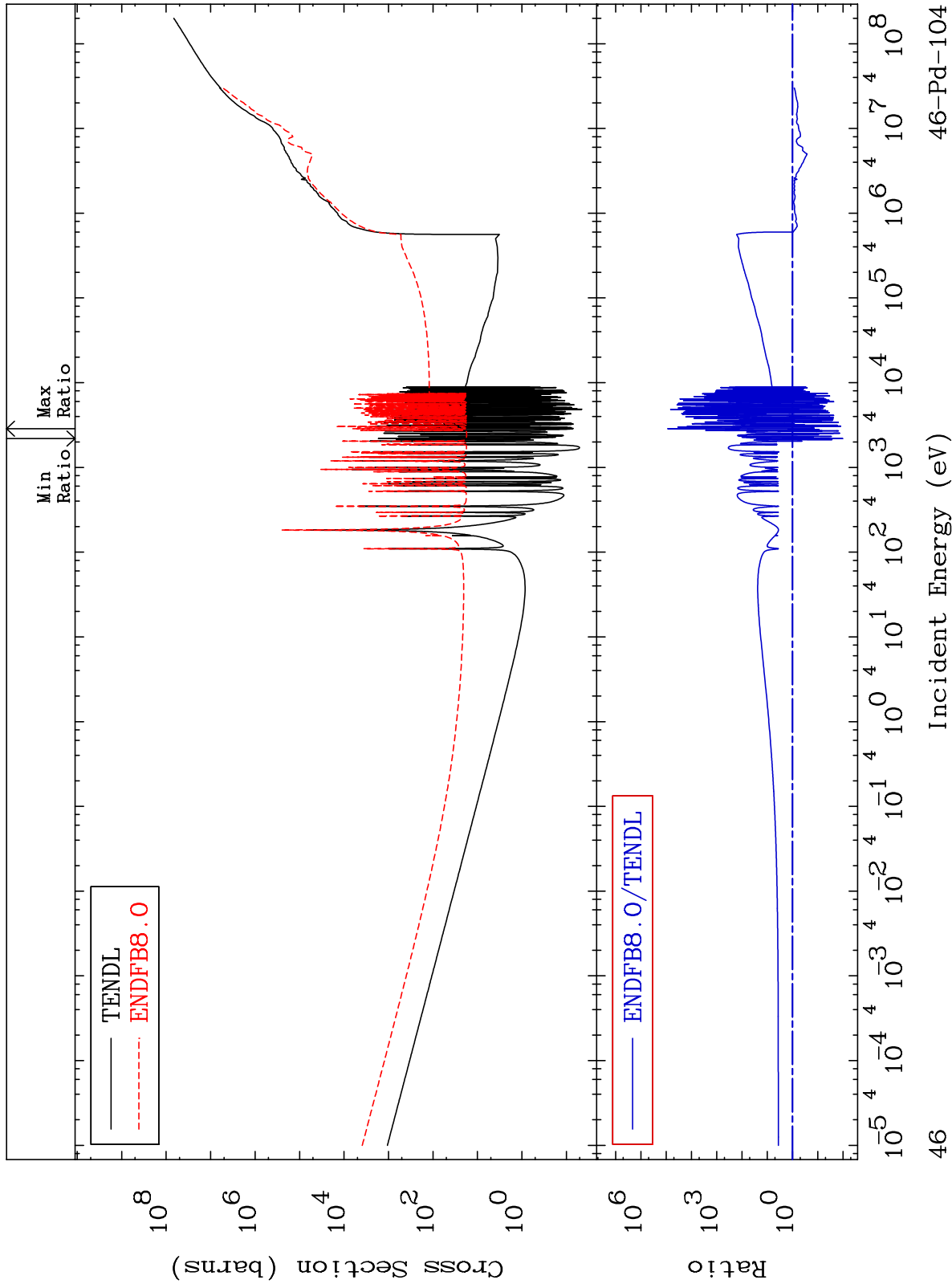
45

46-Pd-104

MAT 4631

Kerma non-elastic (all but mt2)
Cross Section

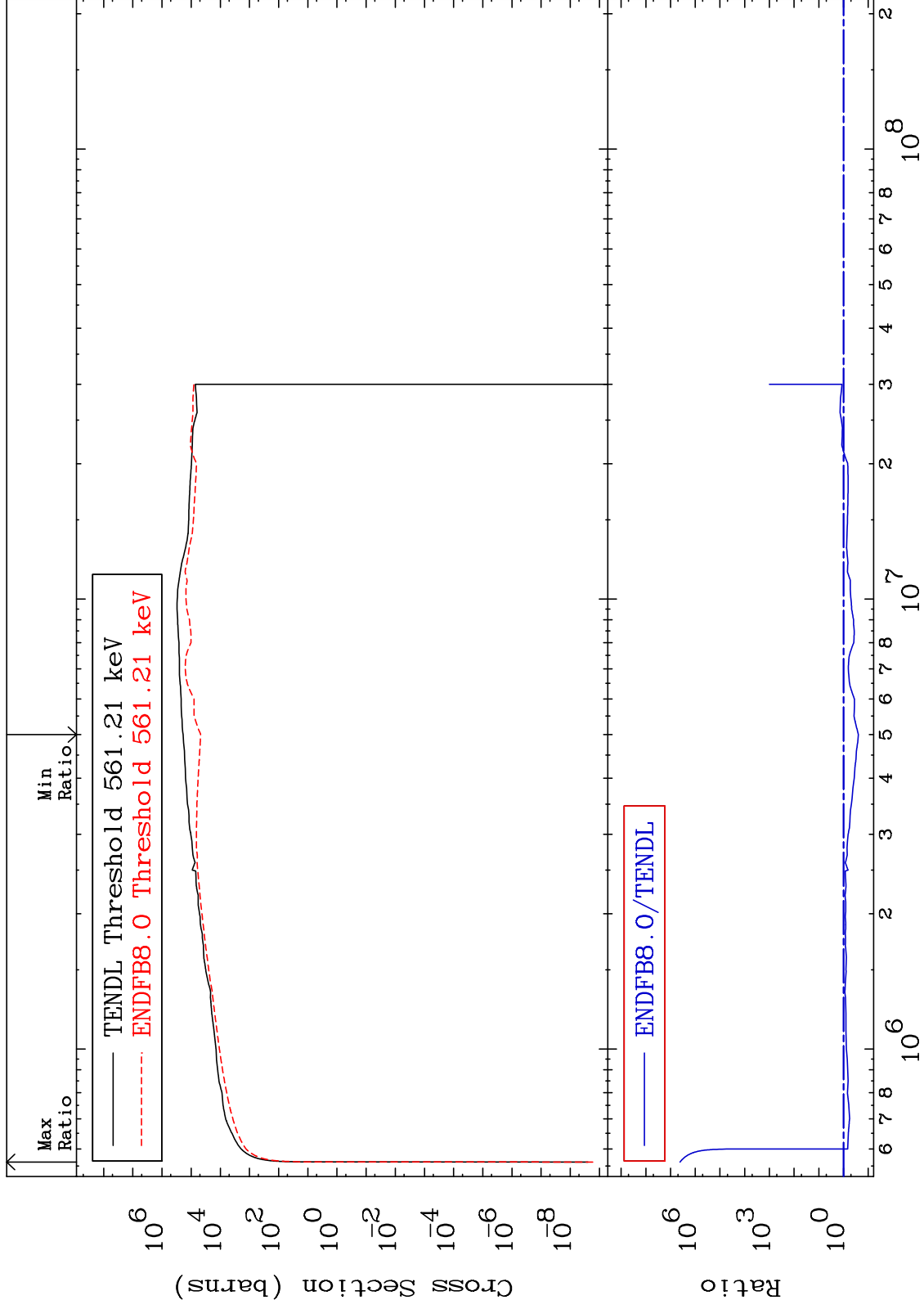
46-Pd-104
-98.96 To 9999. %



MAT 4631

Kerma inelastic (mt51-91)
Cross Section

46-Pd-104
-75.12 To 9999. %



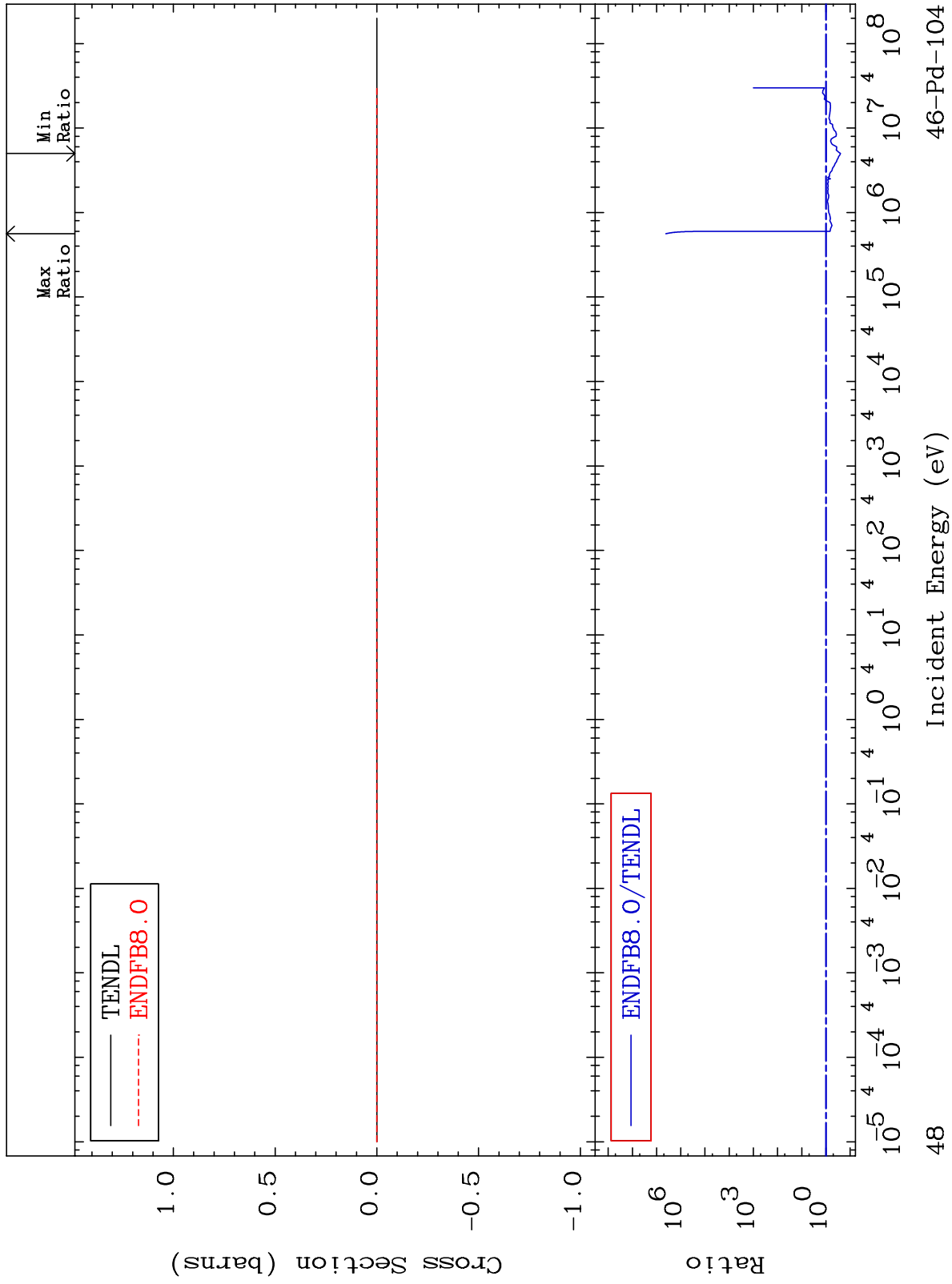
47

46-Pd-104

MAT 4631

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

46-Pd-104
-75.12 To 9999. %



48

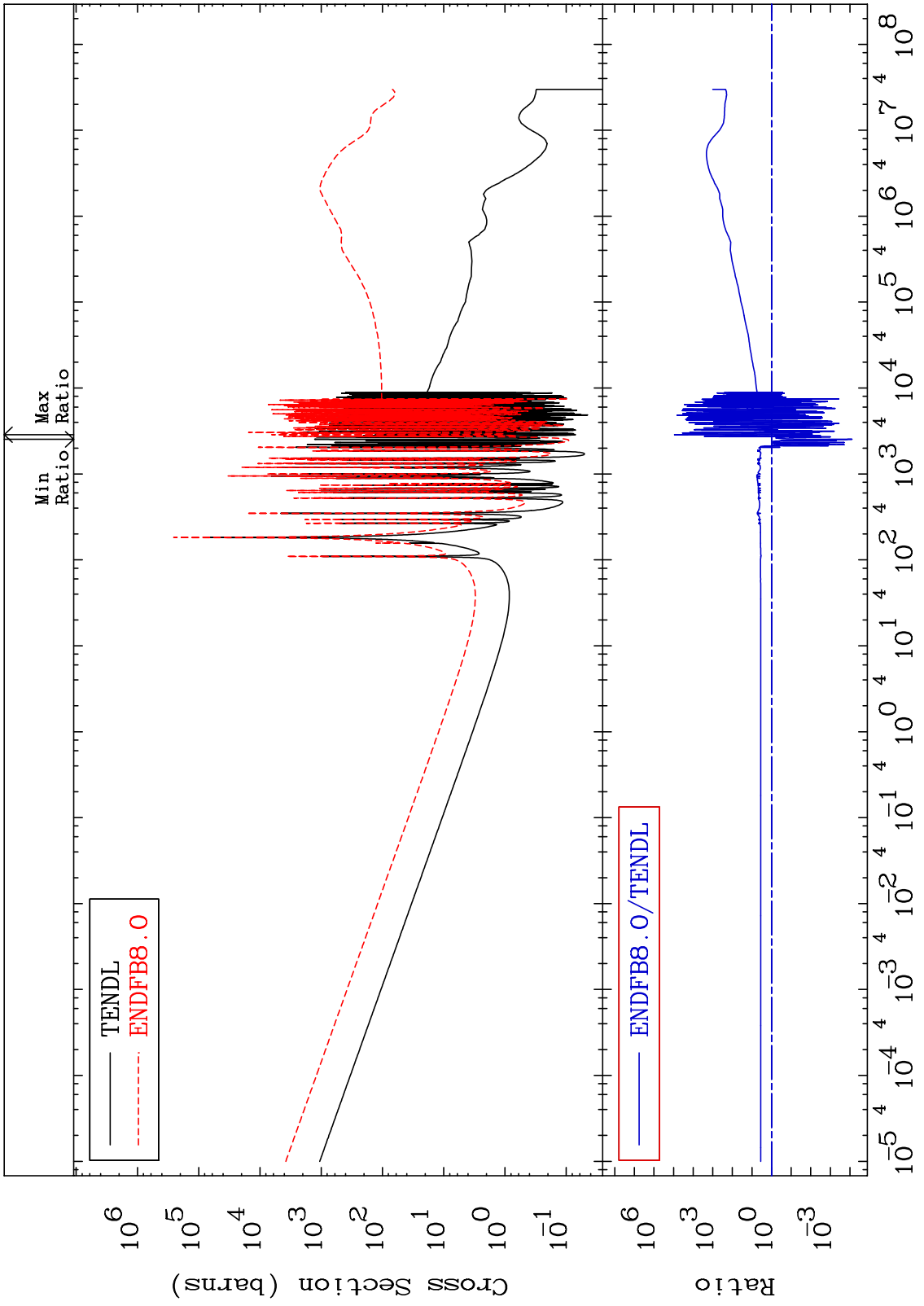
Incident Energy (eV)

46-Pd-104

MAT 4631

Kerma capture (mt102)
Cross Section

46-Pd-104
-99.99 To 9999. %

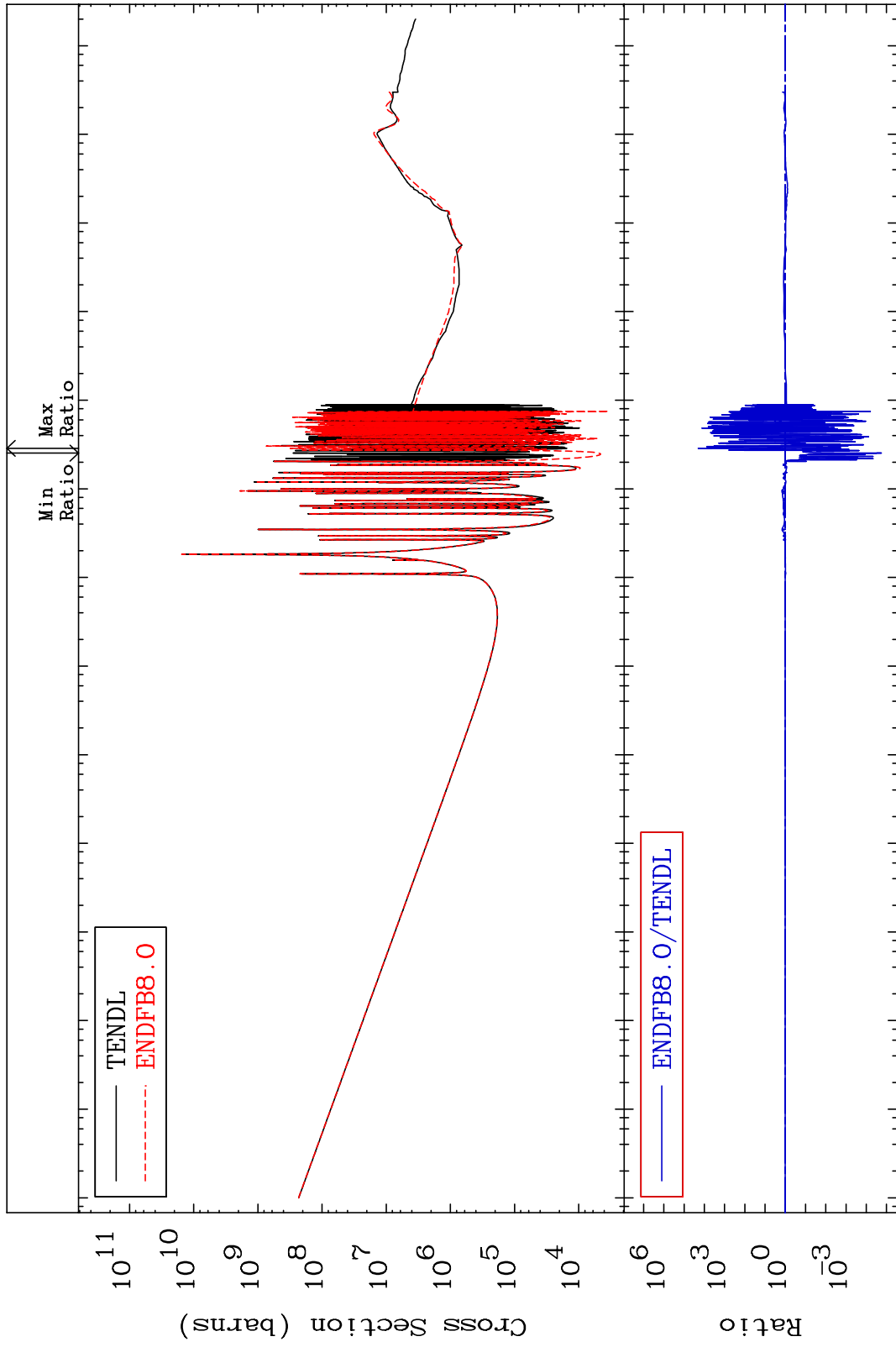


MAT 4631

Total photon (eV-barns)
Cross Section

46-Pd-104

-100.0 To 9999. %

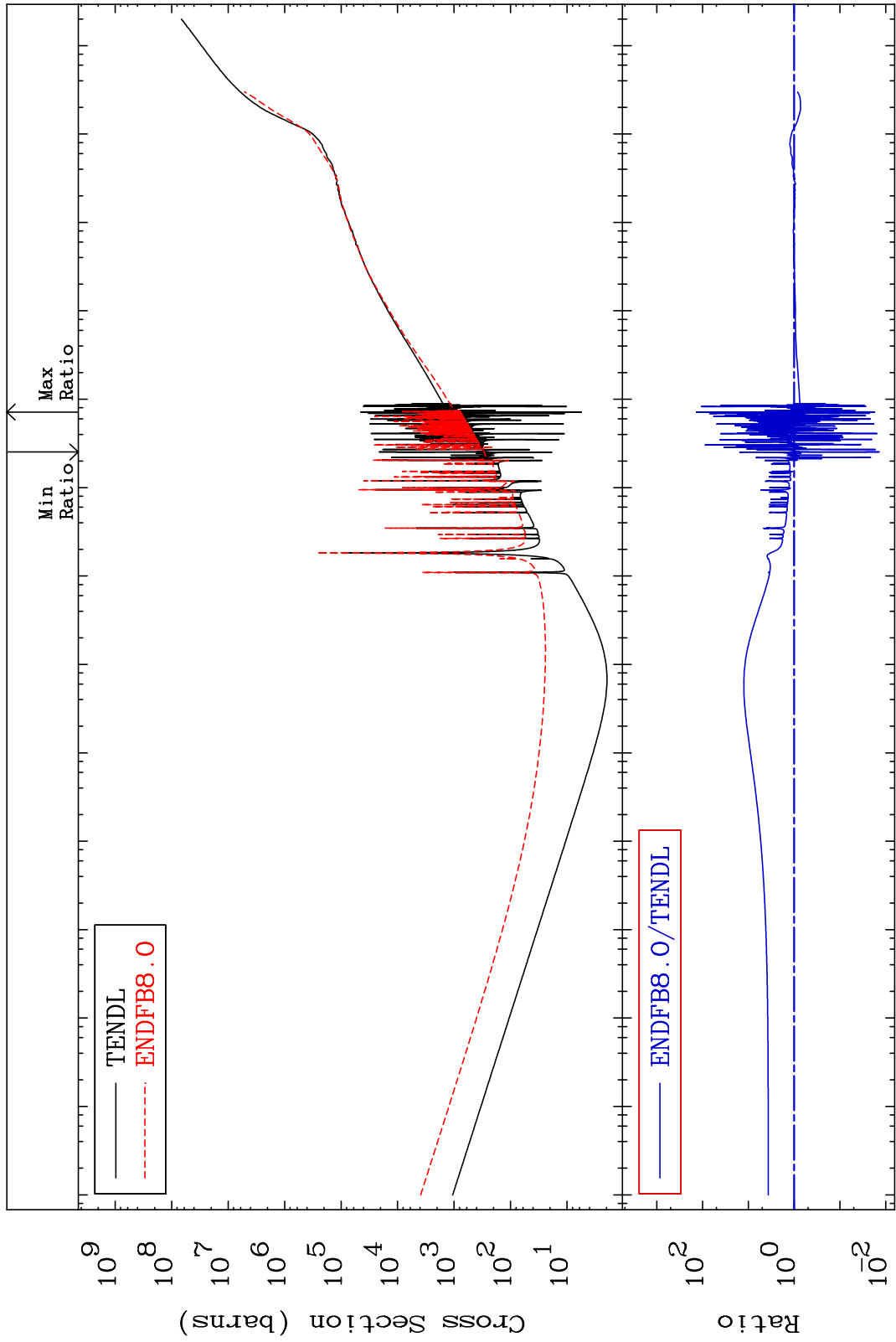


Incident Energy (eV)

46-Pd-104

50

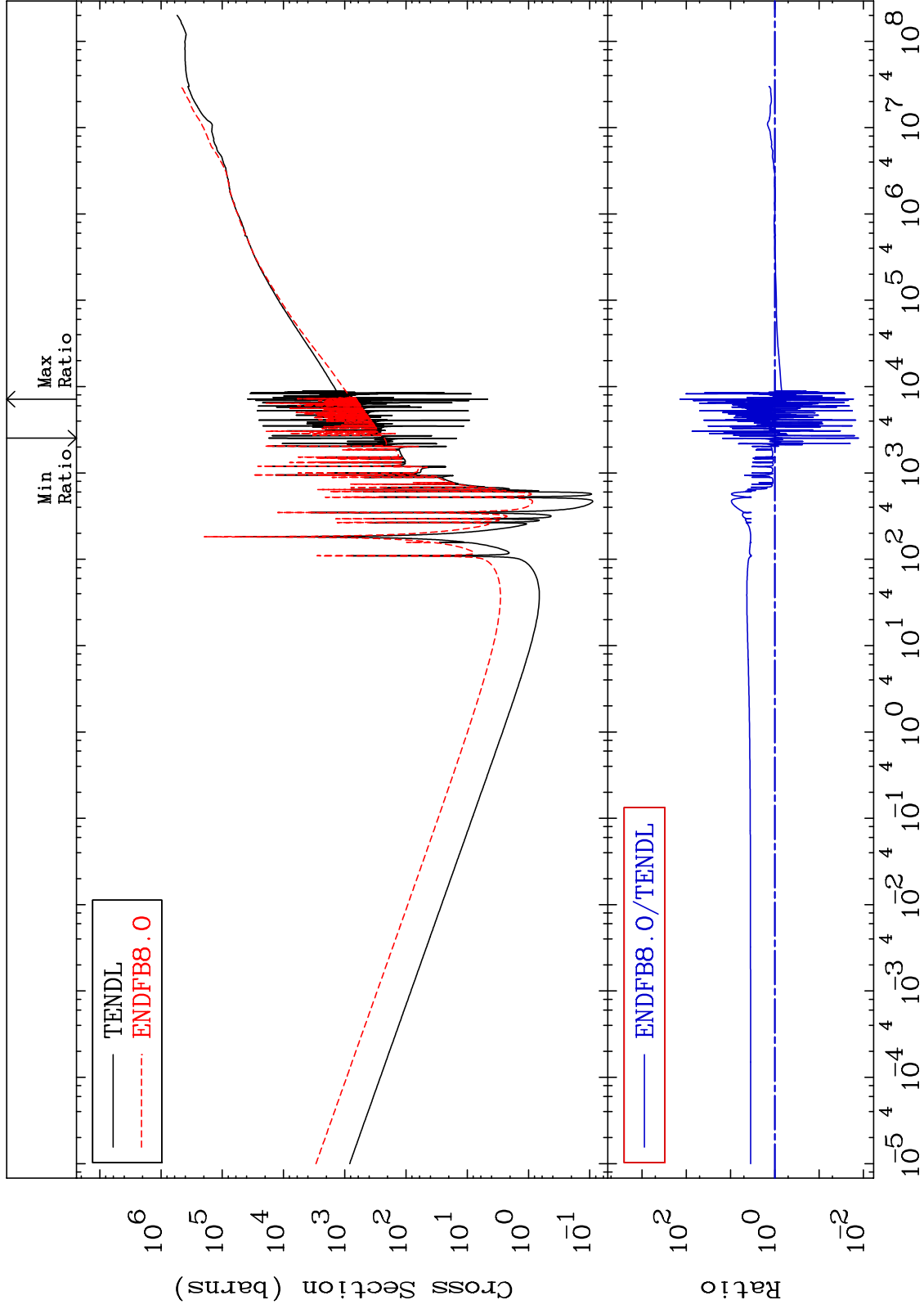
MAT 4631 Total kinematic kerma (high limit) 46-Pd-104
 Cross Section -98.61 To 9999. %



MAT 4631

Dpa total (eV-barns)
Cross Section

46-Pd-104
-98.70 To 9999. %



52

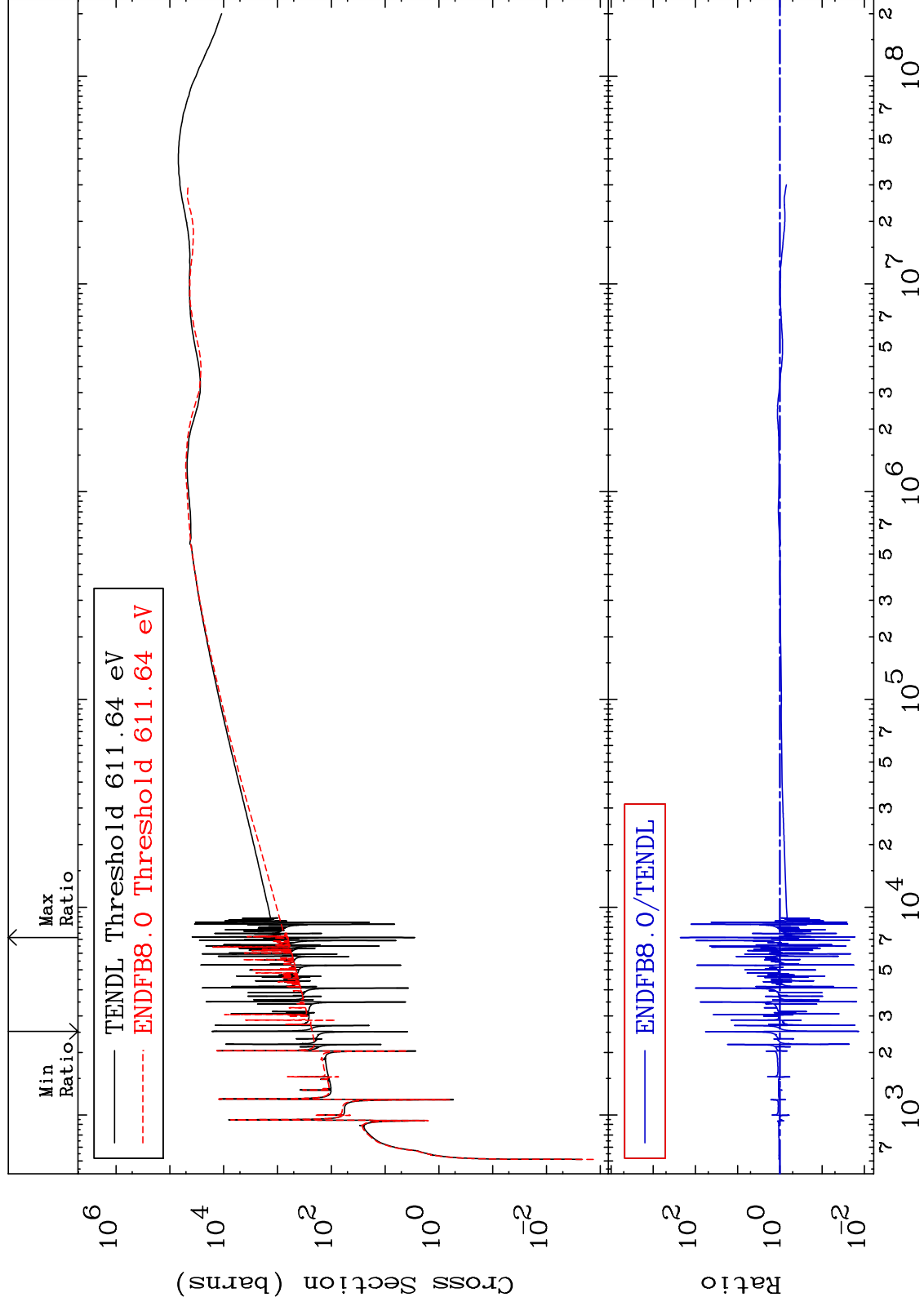
Incident Energy (eV)

46-Pd-104

MAT 4631

Dpa elastic (mt2)
Cross Section

46-Pd-104
-98.62 To 9999. %



53

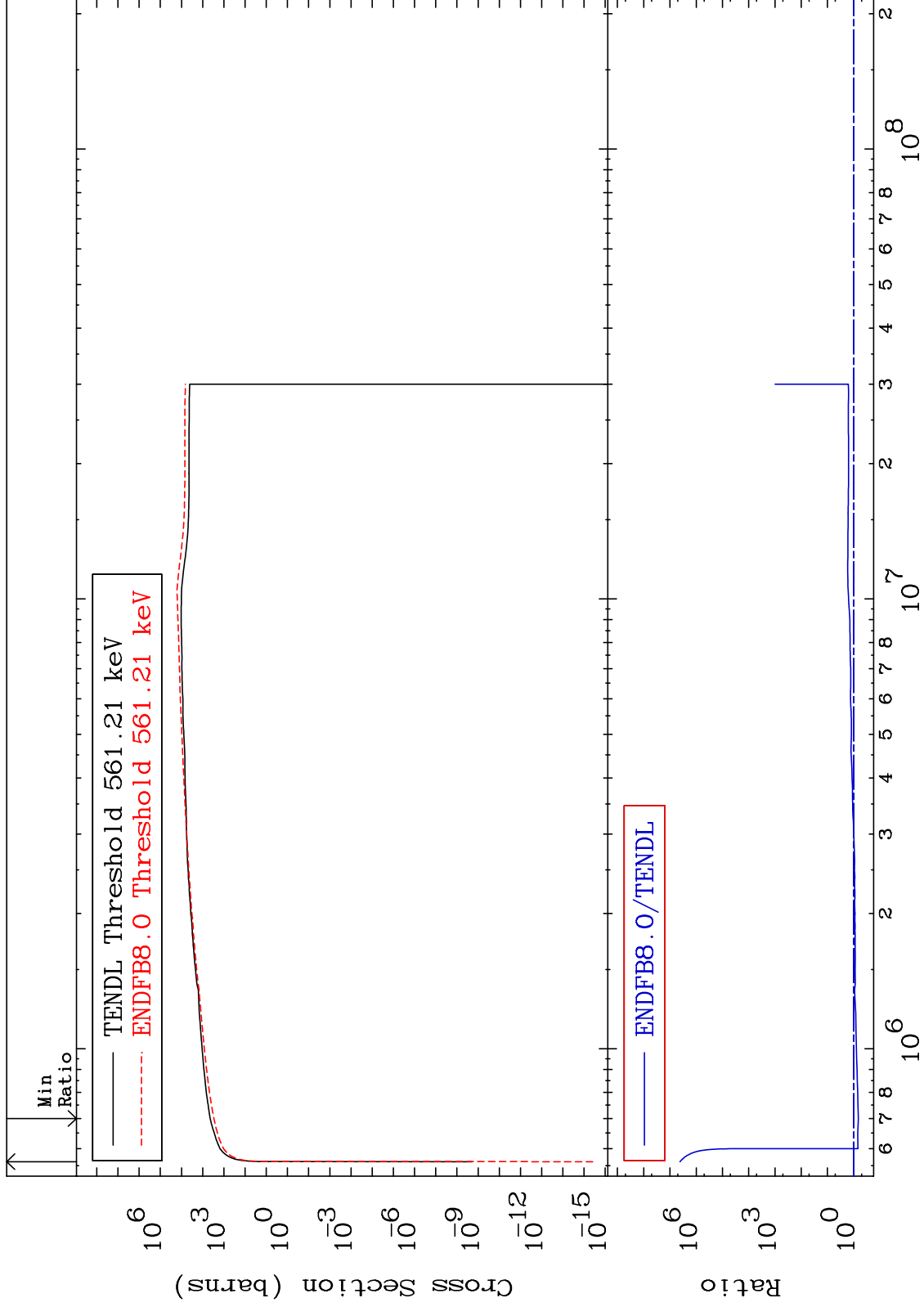
46-Pd-104

46-Pd-104

MAT 4631

Dpa inelastic (mt51-91)
Cross Section

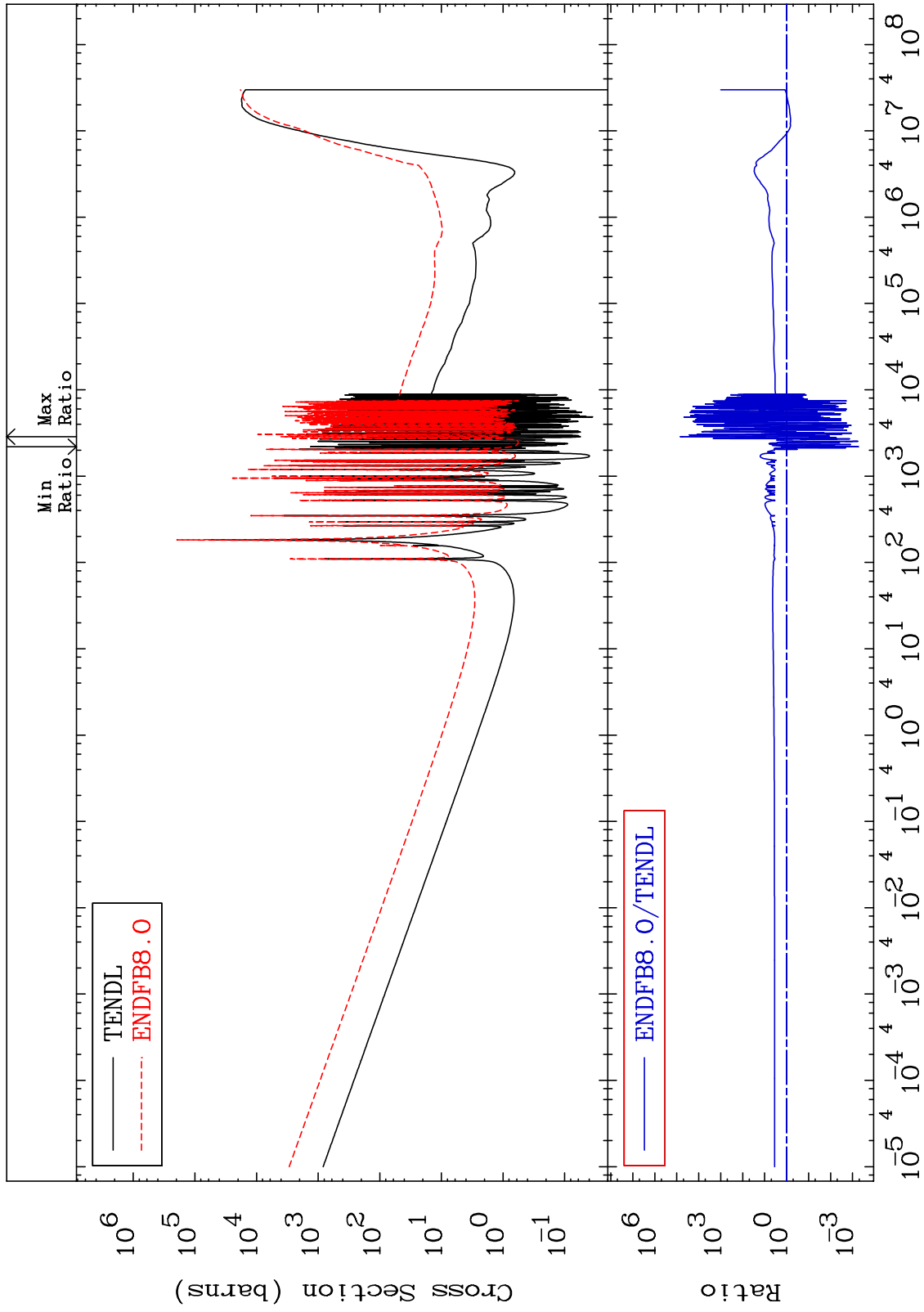
46-Pd-104
-33.96 To 9999. %



MAT 4631

Dpa disappearance (mt102 -120)
Cross Section

46-Pd-104
-99.95 To 9999. %



55

Incident Energy (eV)

46-Pd-104