

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

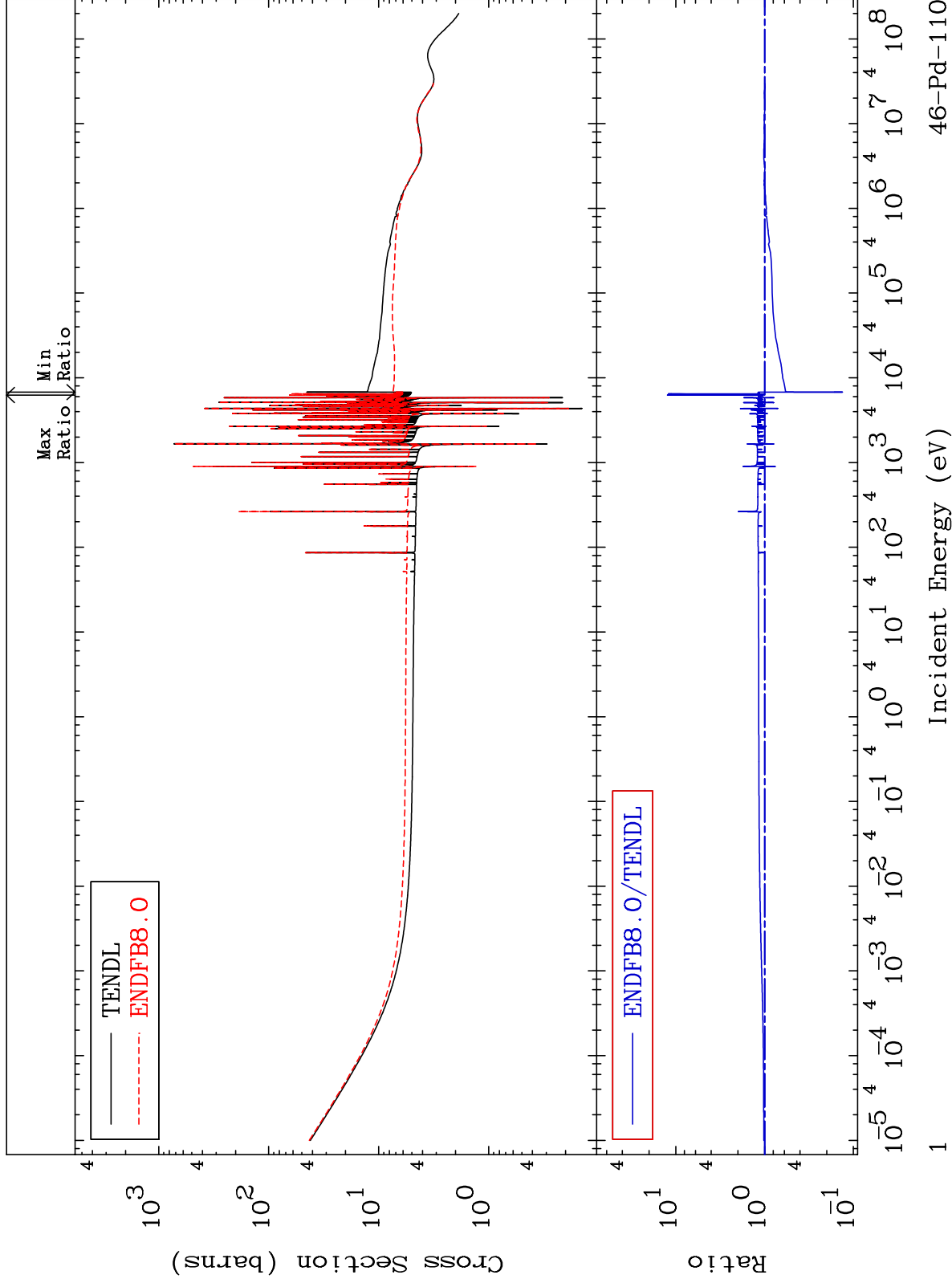
MAT 4649

Total

46-Pd-110

Cross Section

-86.78 To 1140. %



46-Pd-110

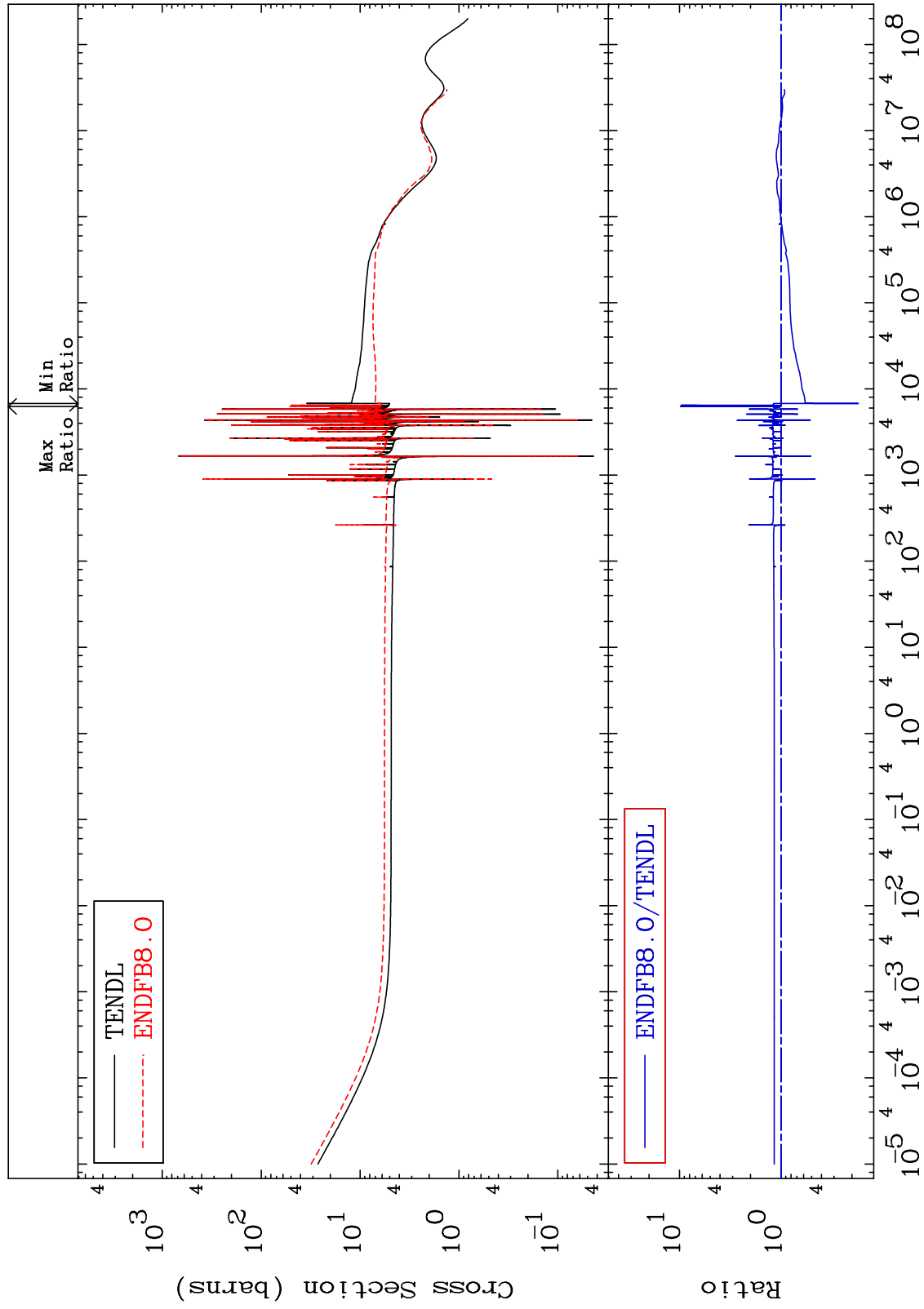
Incident Energy (eV)

1

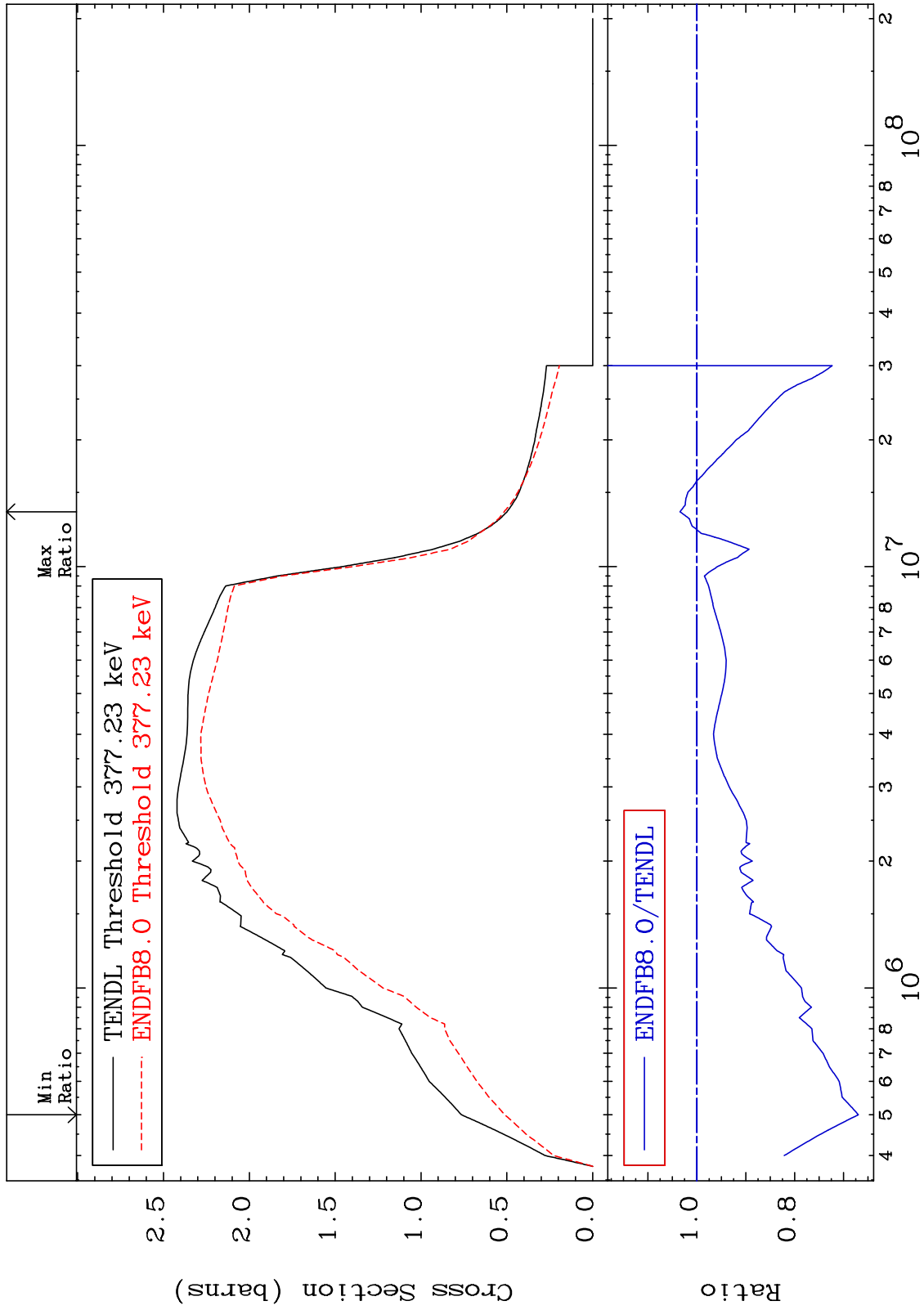
MAT 4649

Elastic
Cross Section

46-Pd-110
-82.76 To 881.0 %



MAT 4649 Inelastic Cross Section 46-Pd-110 -33.03 To 3.441 %



3 Incident Energy (eV) 46-Pd-110

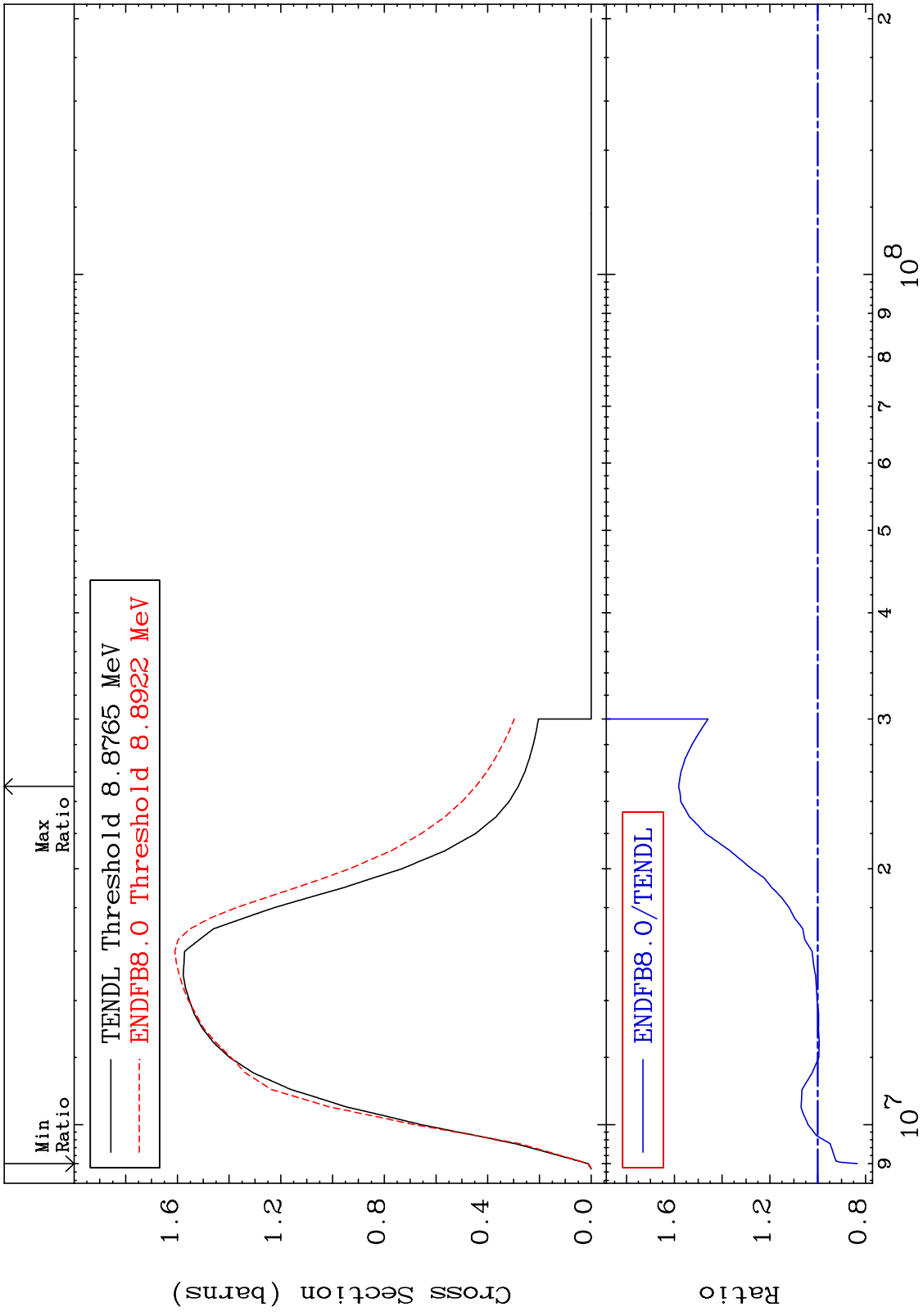
MAT 4649

(n,2n)

46-Pd-110

Cross Section

-16.58 To 58.19 %



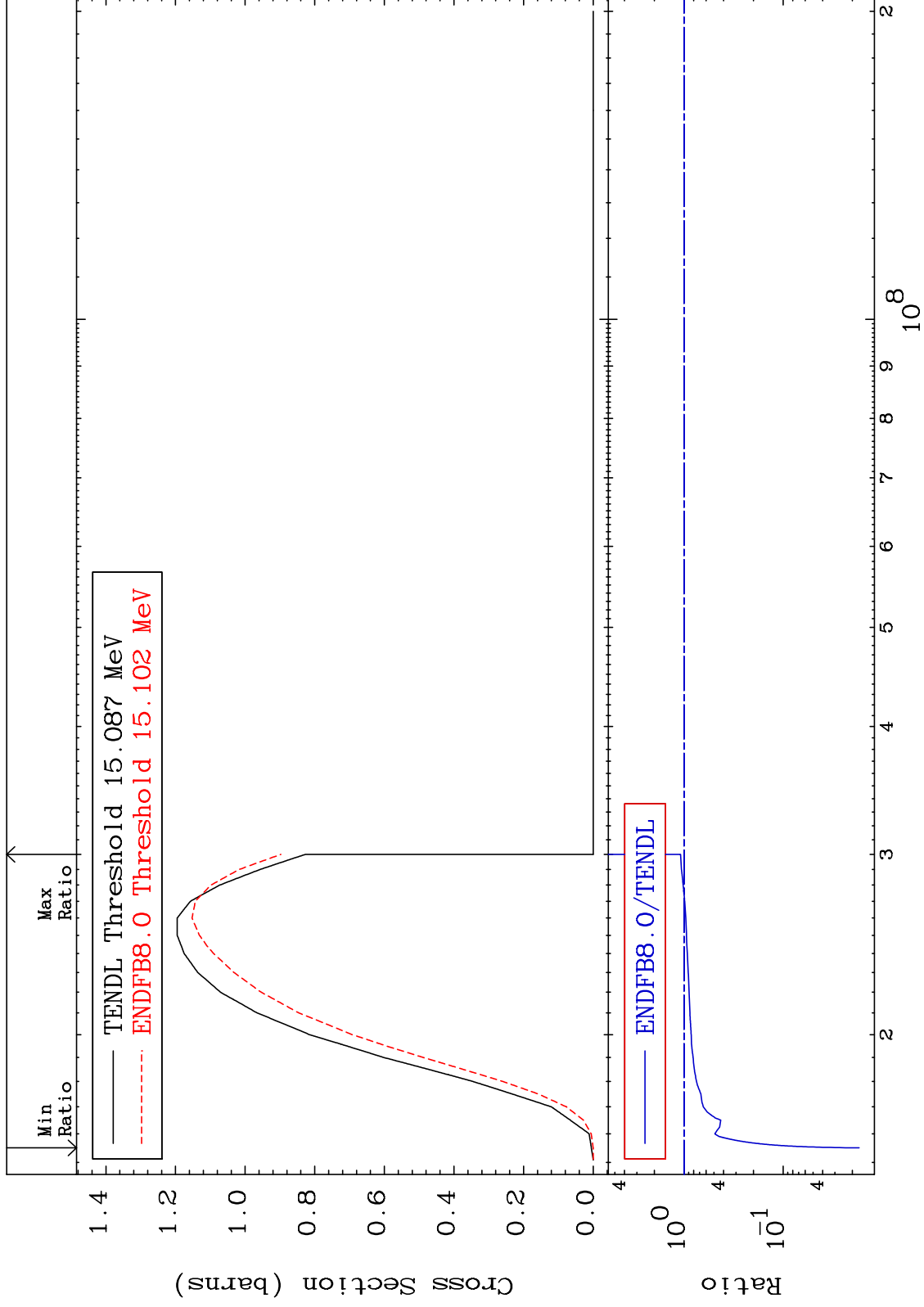
MAT 4649

(n,3n)

46-Pd-110

Cross Section

-98.29 To 8.507 %



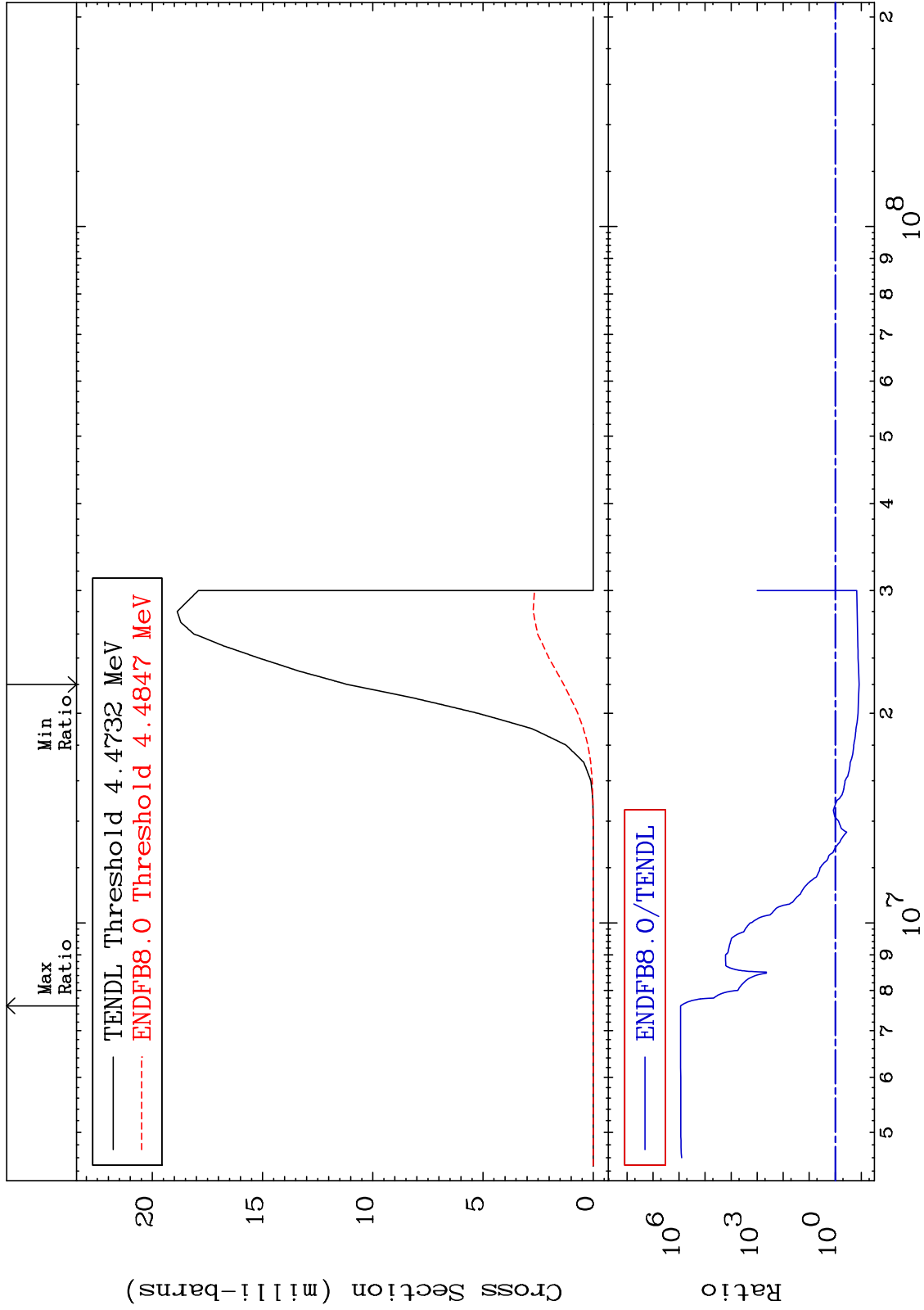
MAT 4649

(n,n') α

46-Pd-110

-87.97 To 9999. %

Cross Section



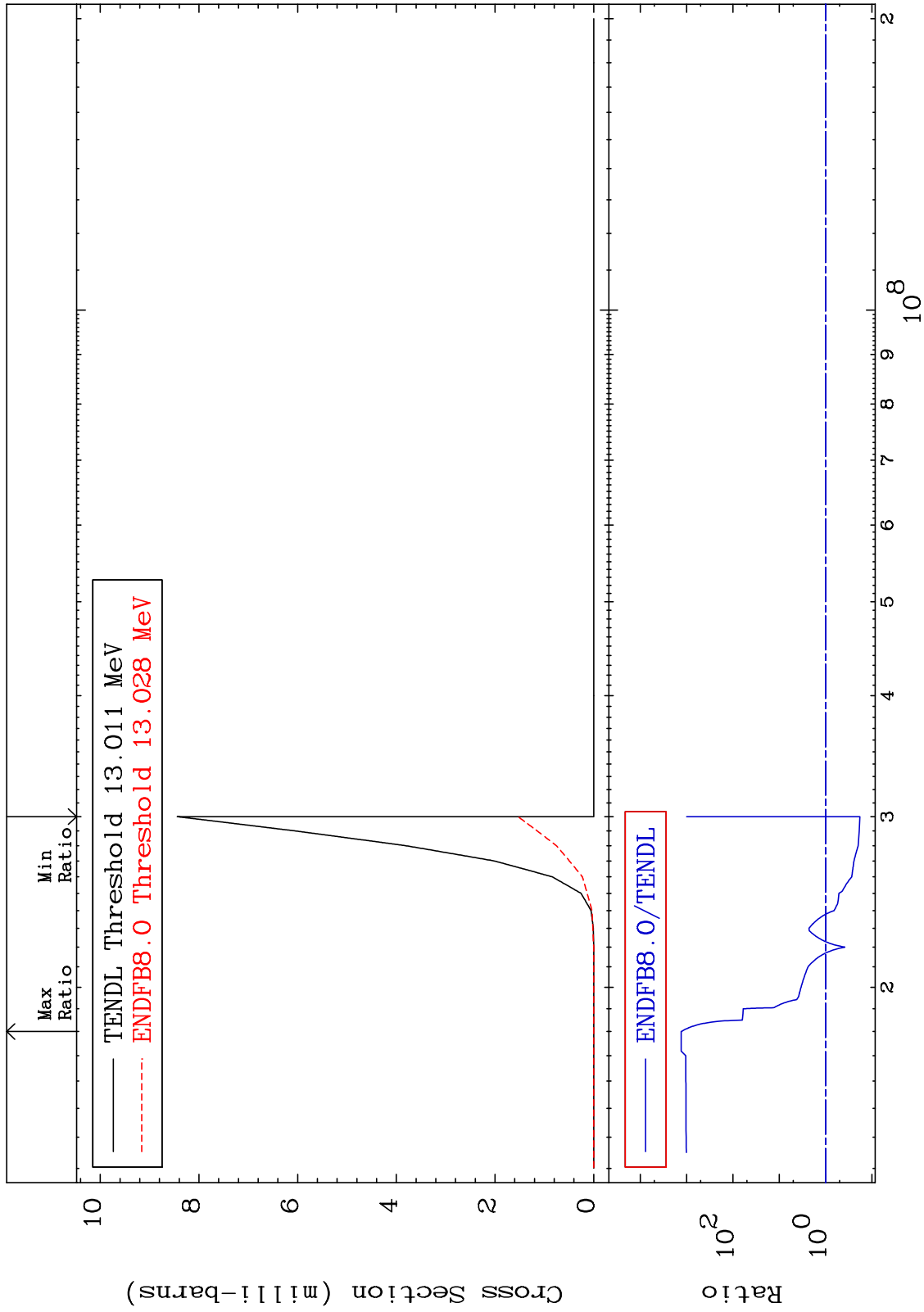
MAT 4649

(n,2n) α

46-Pd-110

Cross Section

-81.79 To 9999. %



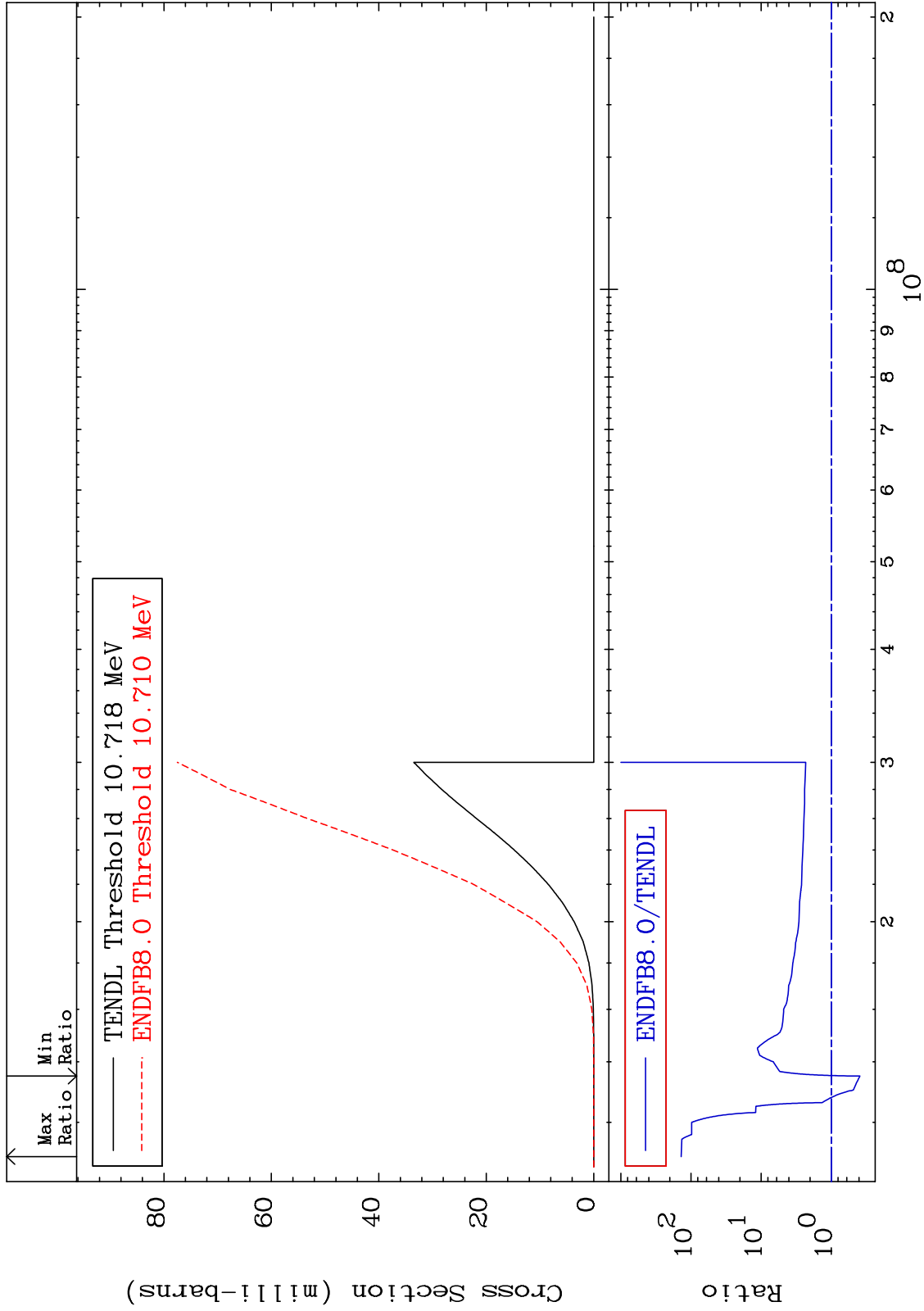
MAT 4649

(n,n') p

46-Pd-110

Cross Section

-61.10 To 9999. %



8

Incident Energy (eV)

46-Pd-110

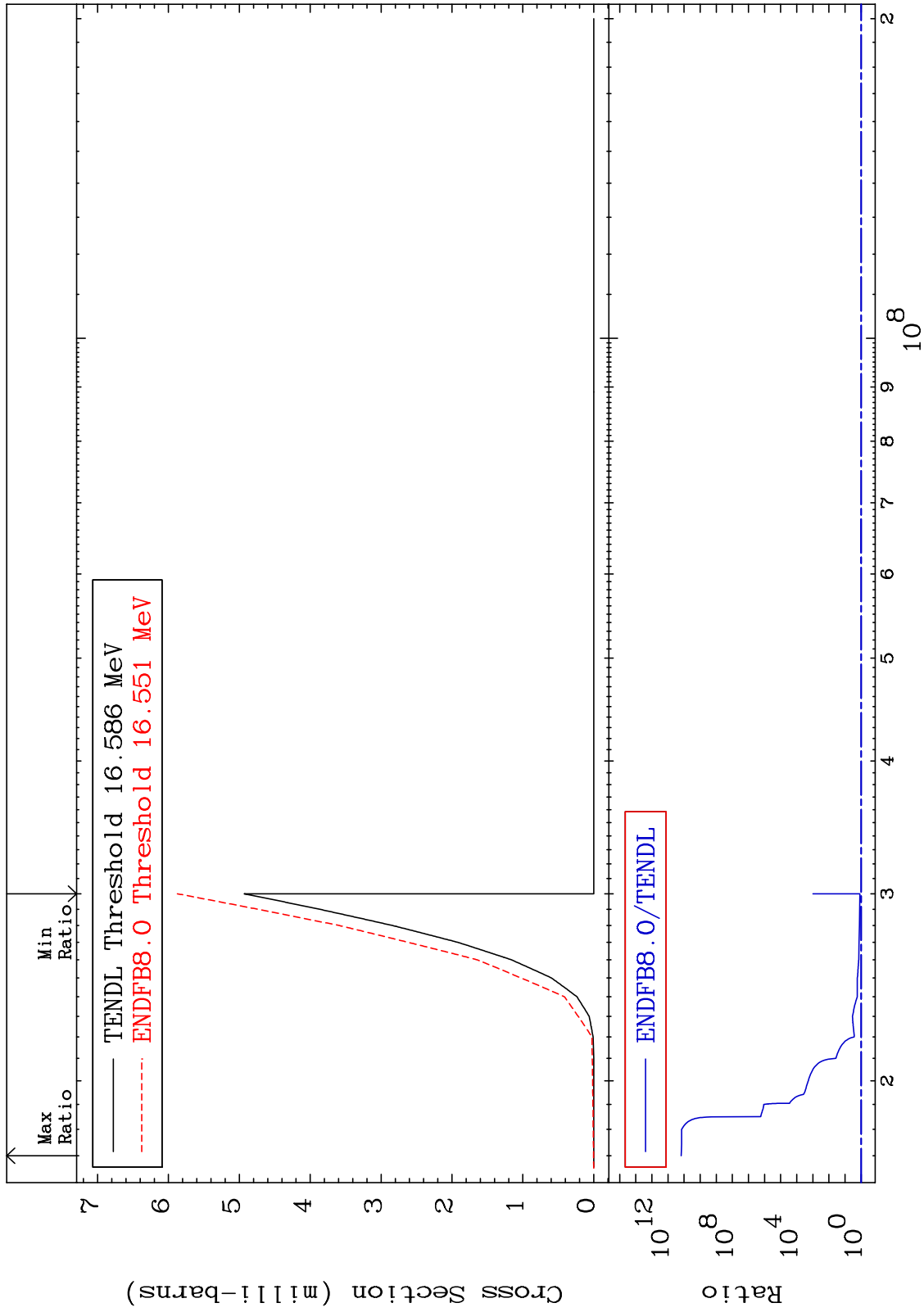
MAT 4649

(n,n') d

46-Pd-110

19.11 To 9999. %

Cross Section



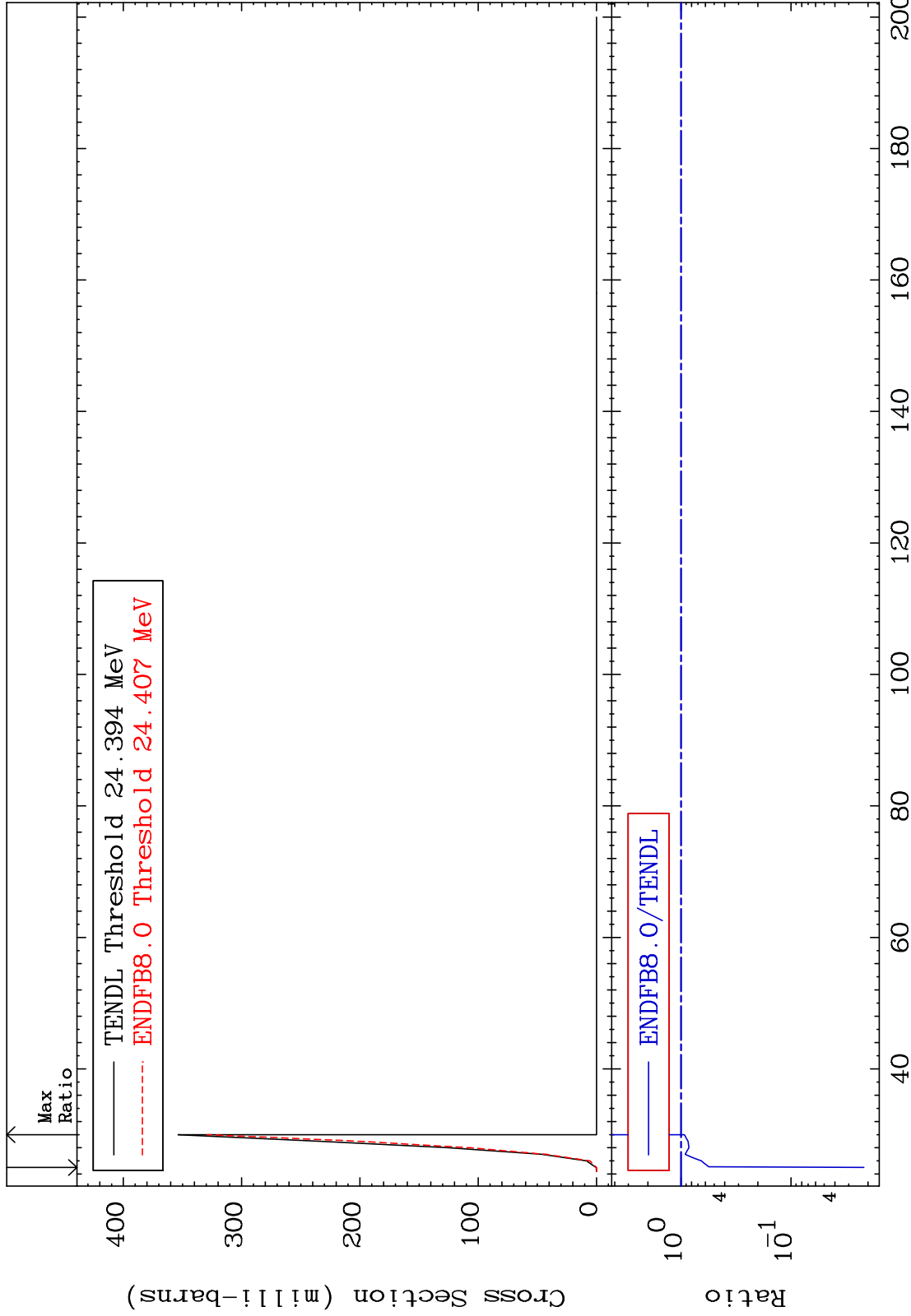
MAT 4649

(n, 4n)

46-Pd-110

Cross Section

-97.82 To -6.915%



10

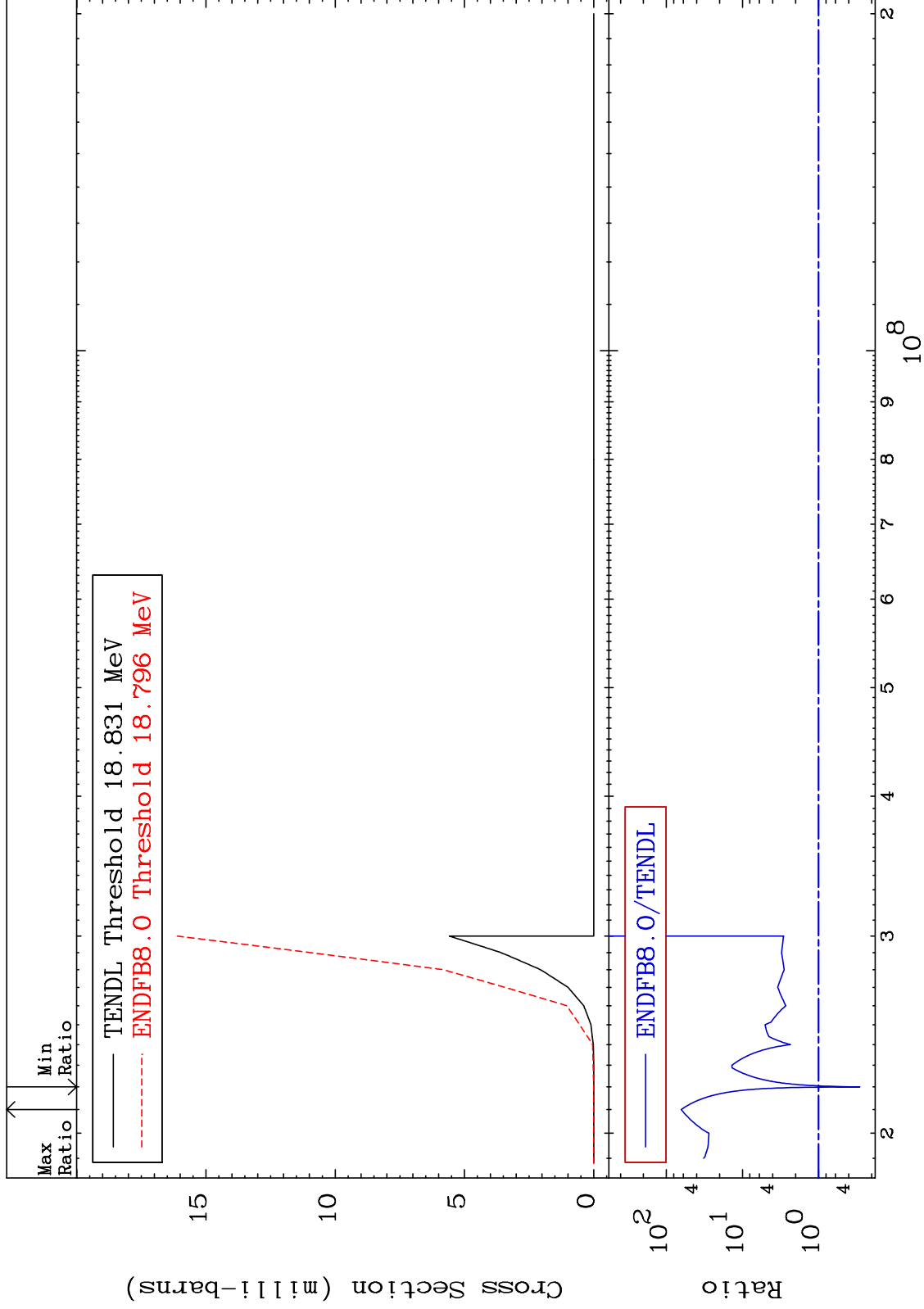
Incident Energy (MeV)

46-Pd-110

MAT 4649

(n,2n) p
Cross Section

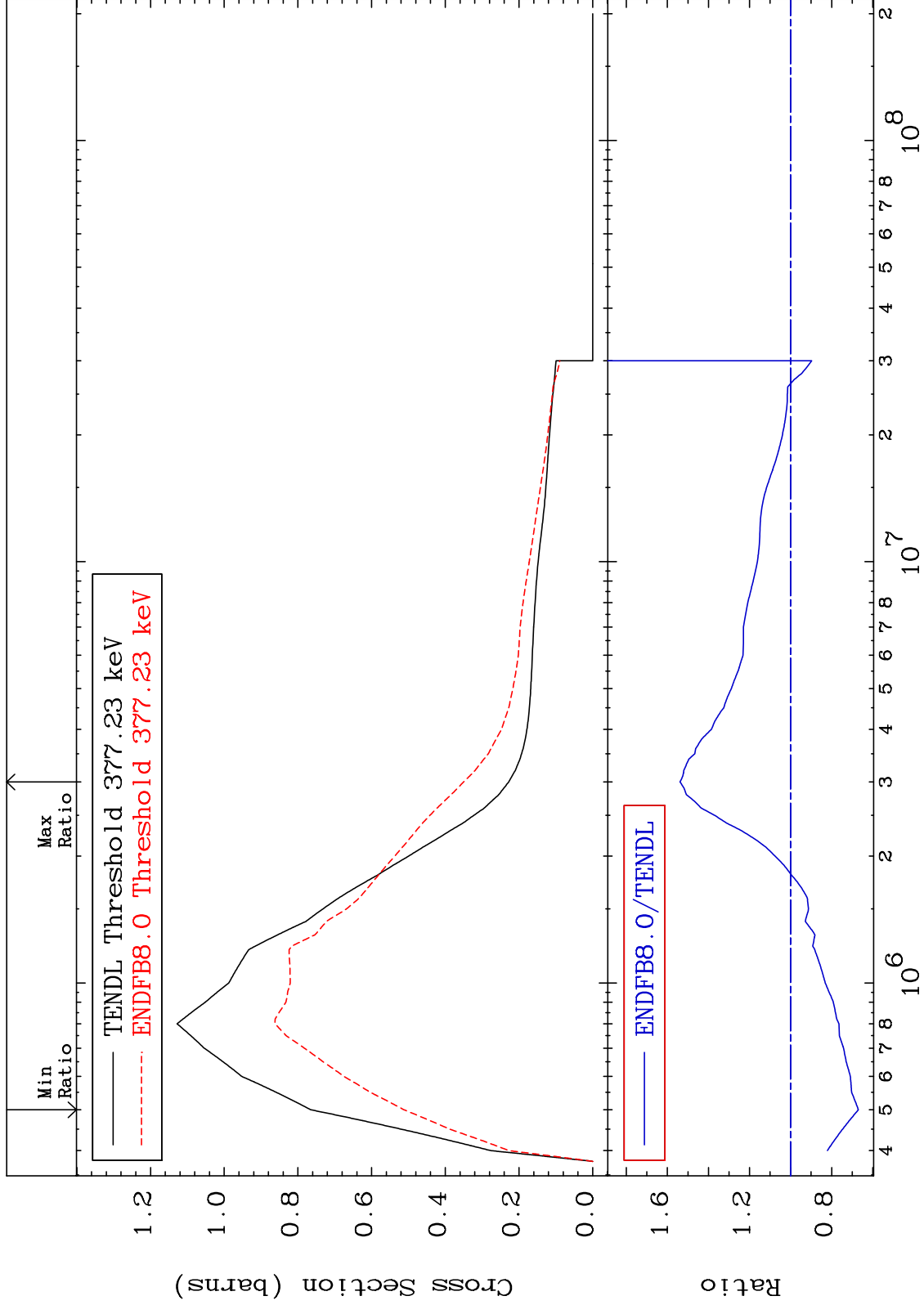
46-Pd-110
-71.40 To 6278. %



MAT 4649

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

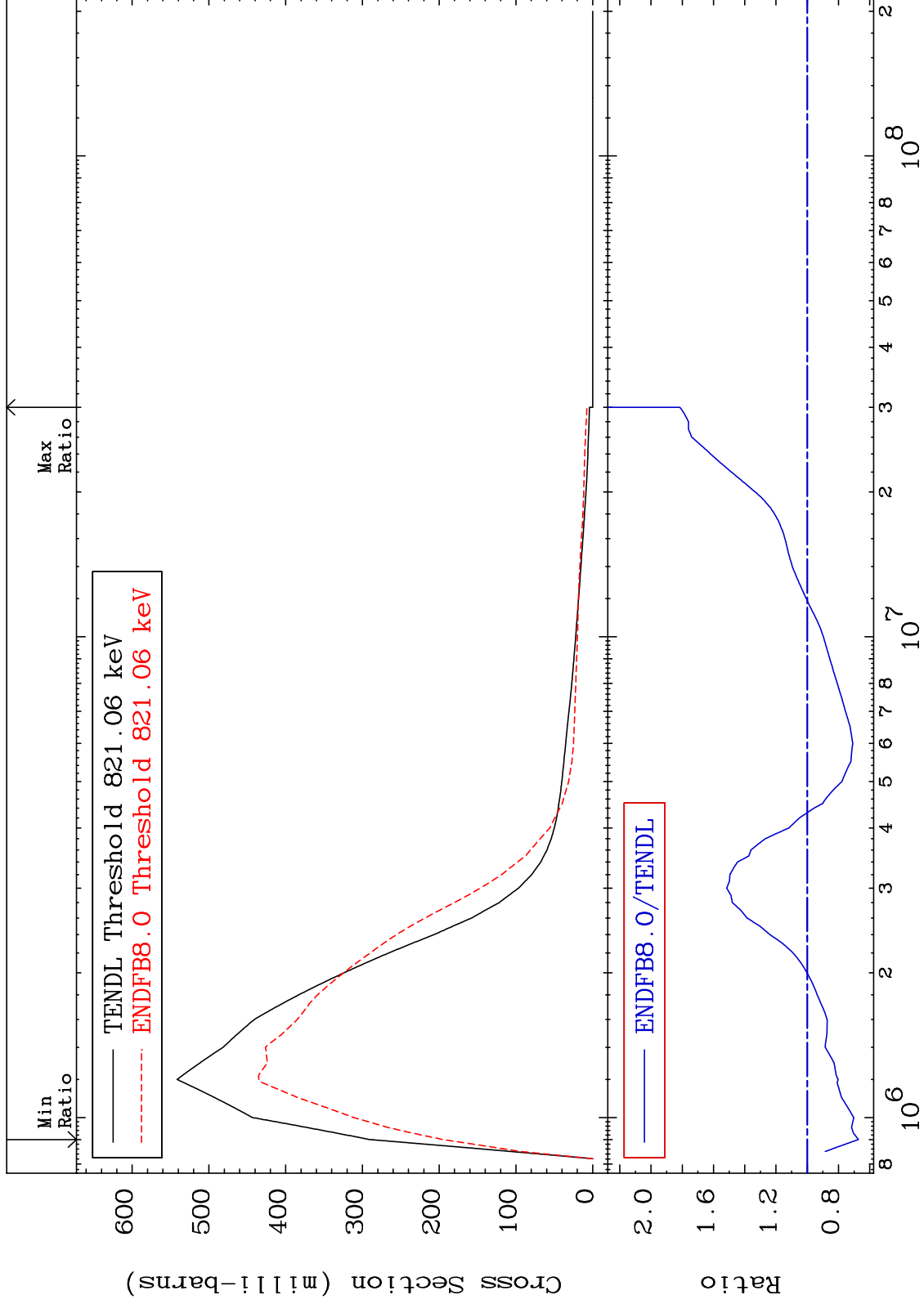
46-Pd-110
-33.03 To 53.85 %



MAT 4649

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

46-Pd-110
-32.75 To 81.45 %



13

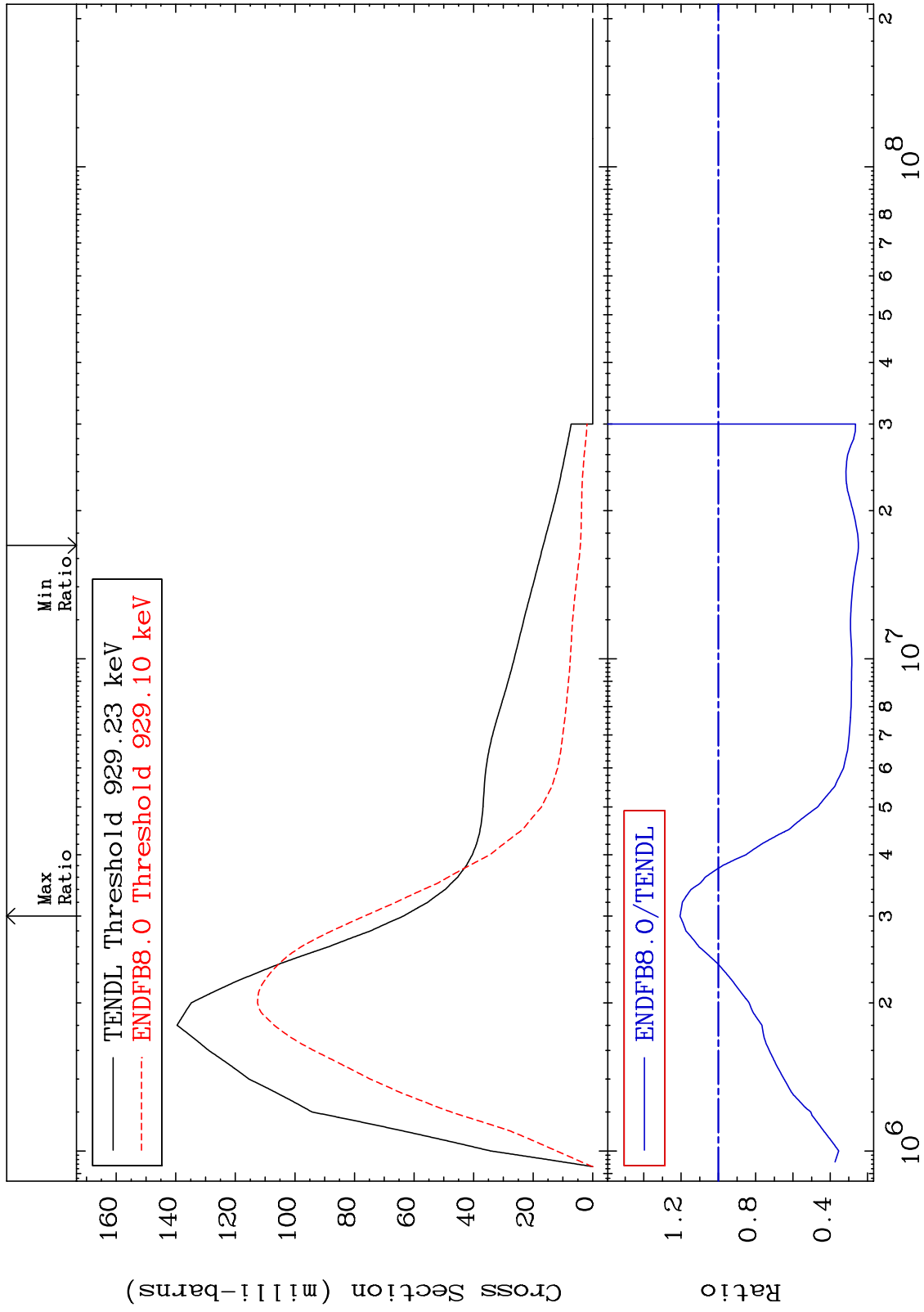
Incident Energy (eV)

46-Pd-110

MAT 4649

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

46-Pd-110
-75.12 To 20.57 %

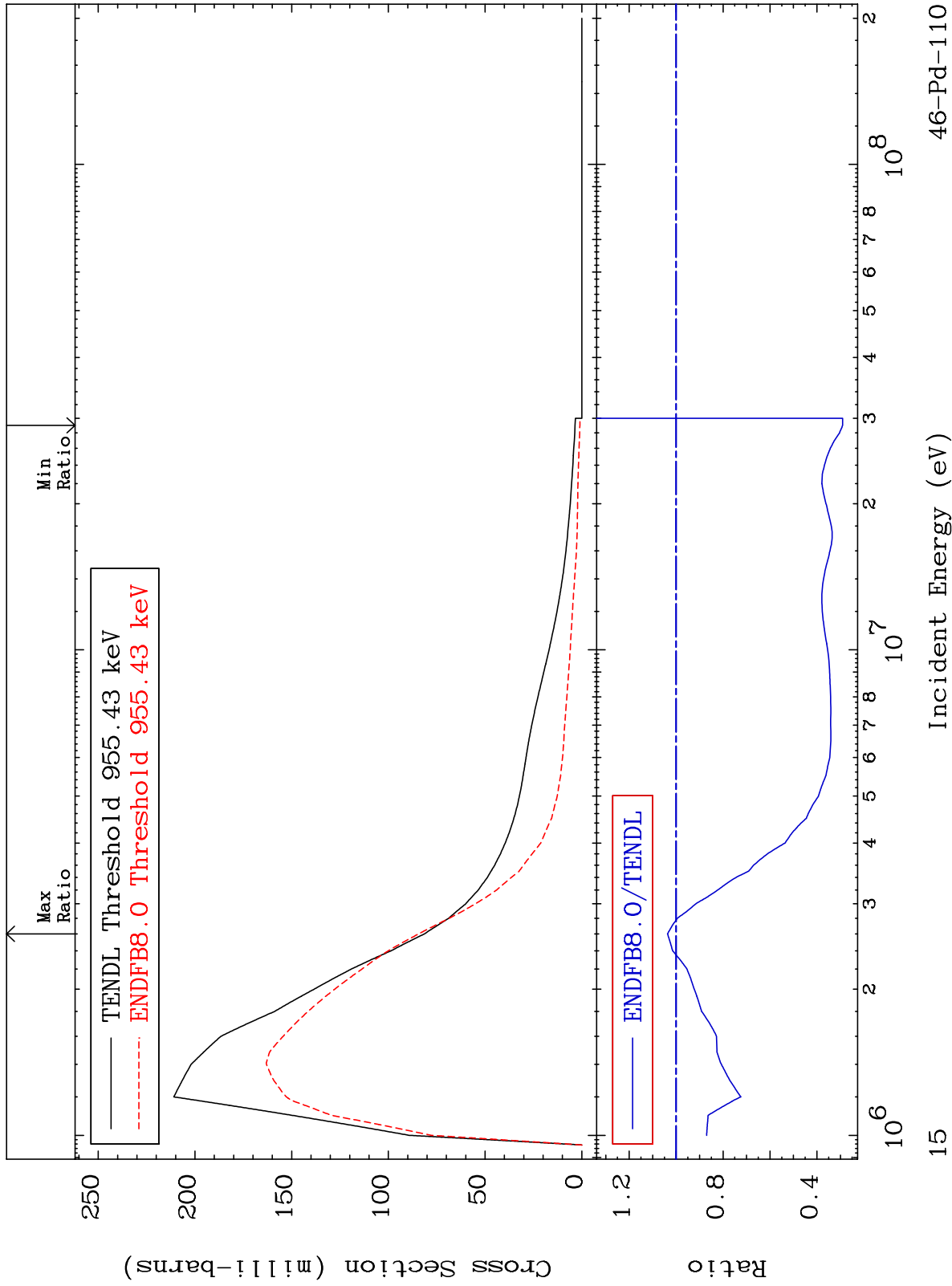


14

Incident Energy (eV)

46-Pd-110

MAT 4649 MT= 54 (n,n') Level 46-Pd-110
Cross Section -70.97 To 3.660 %



46-Pd-110

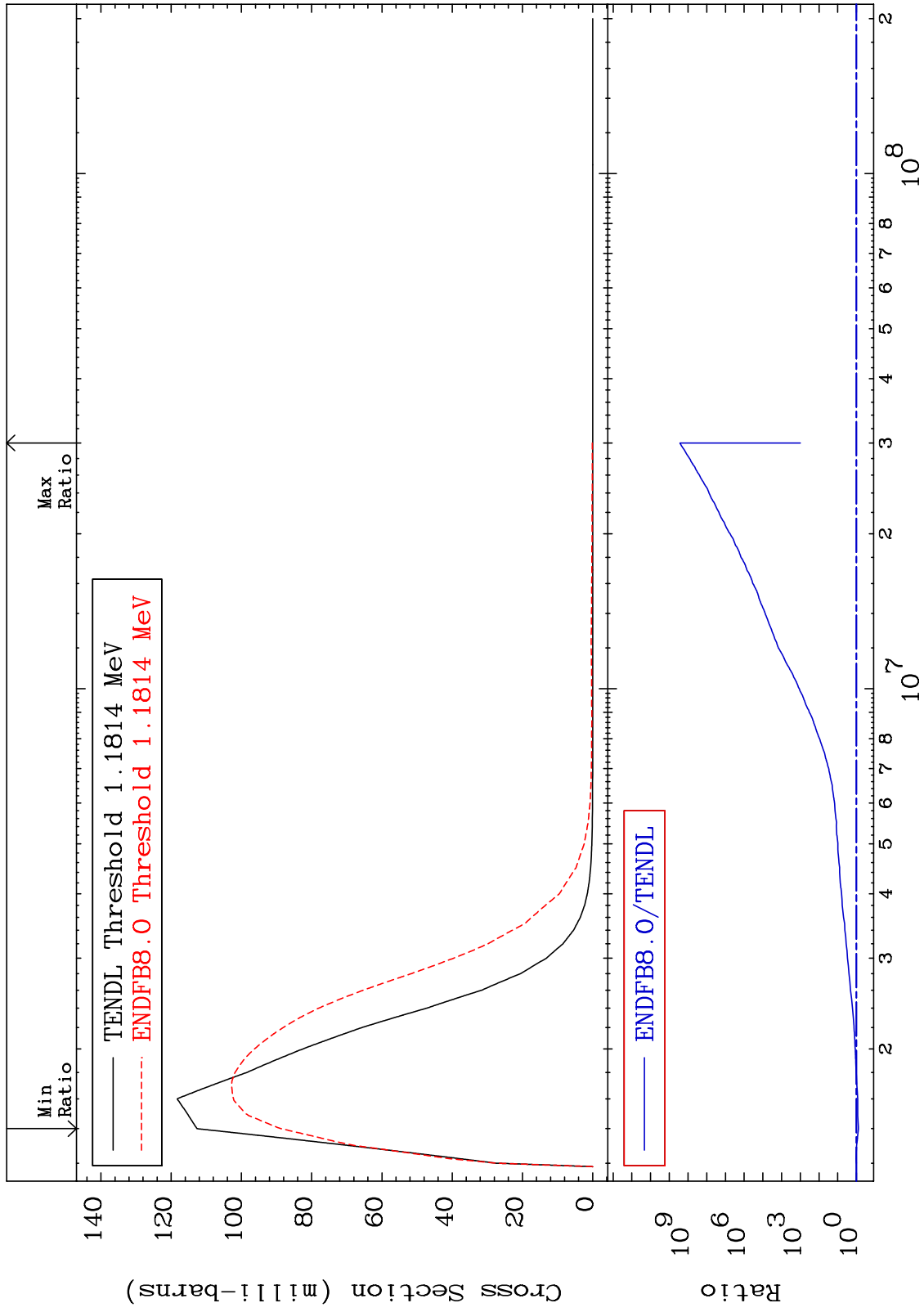
Incident Energy (eV)

15

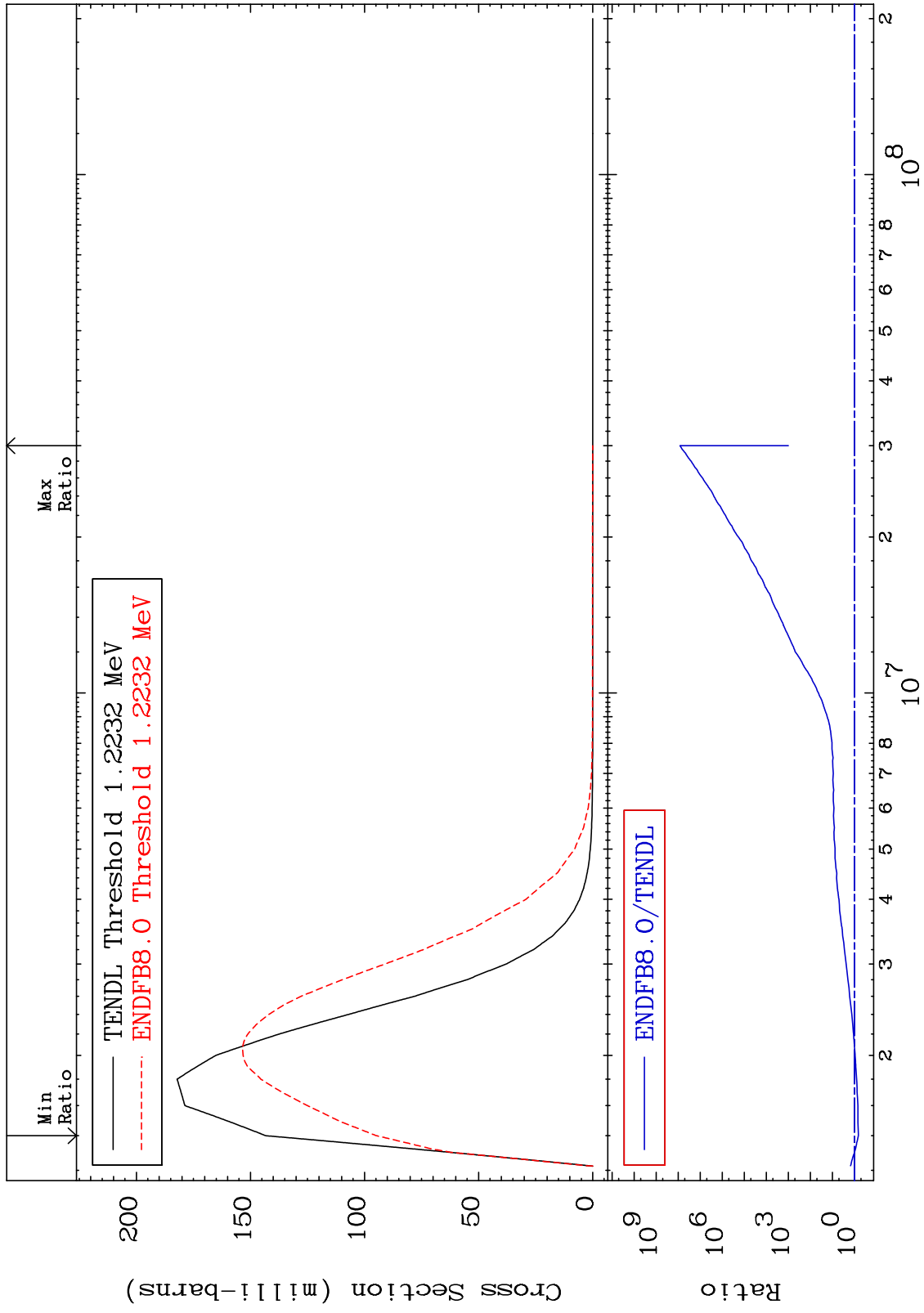
MAT 4649

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

46-Pd-110
-21.21 To 9999. %



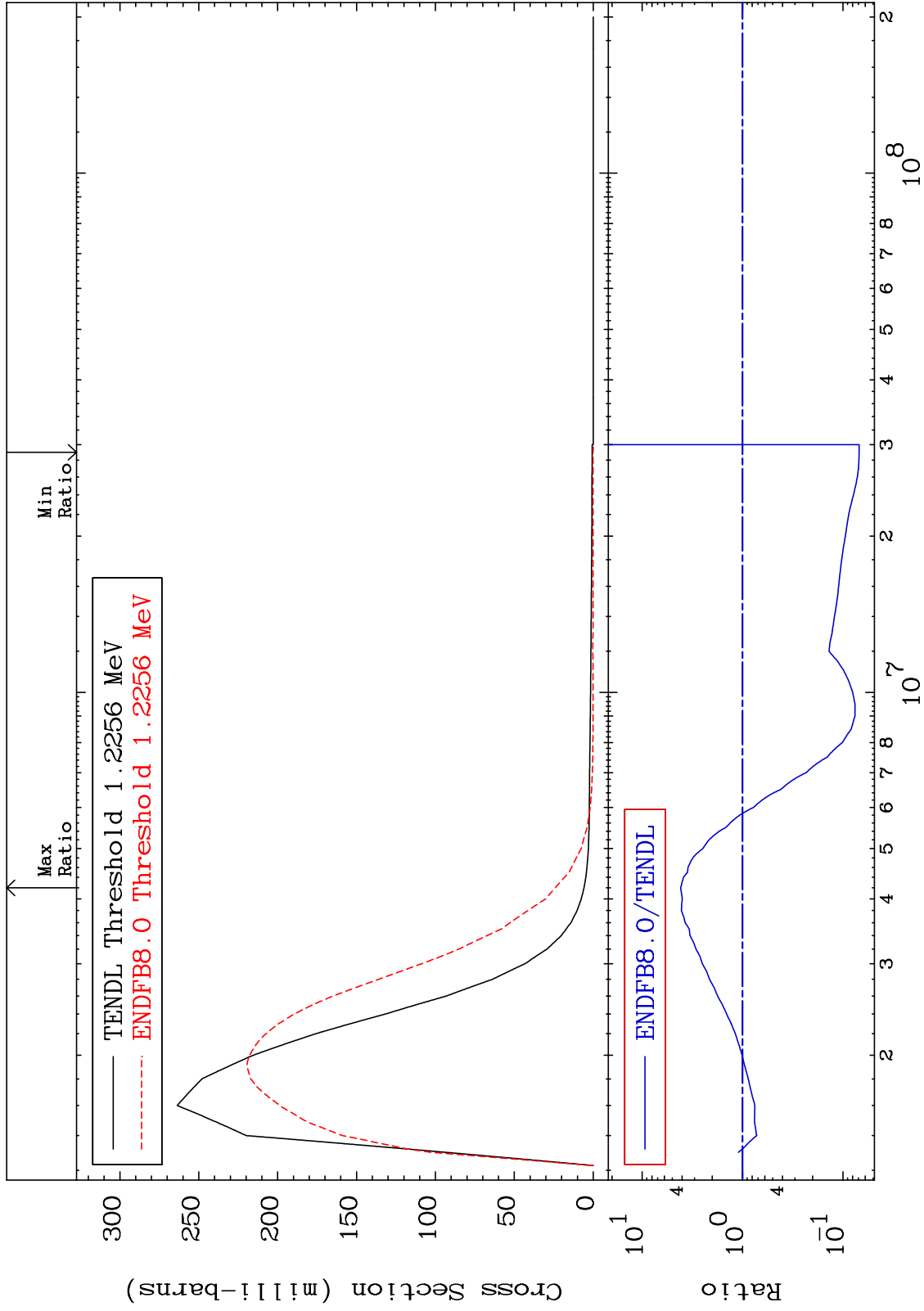
MAT 4649 MT= 56 (n,n') Level 46-Pd-110
 Cross Section -33.87 To 9999. %



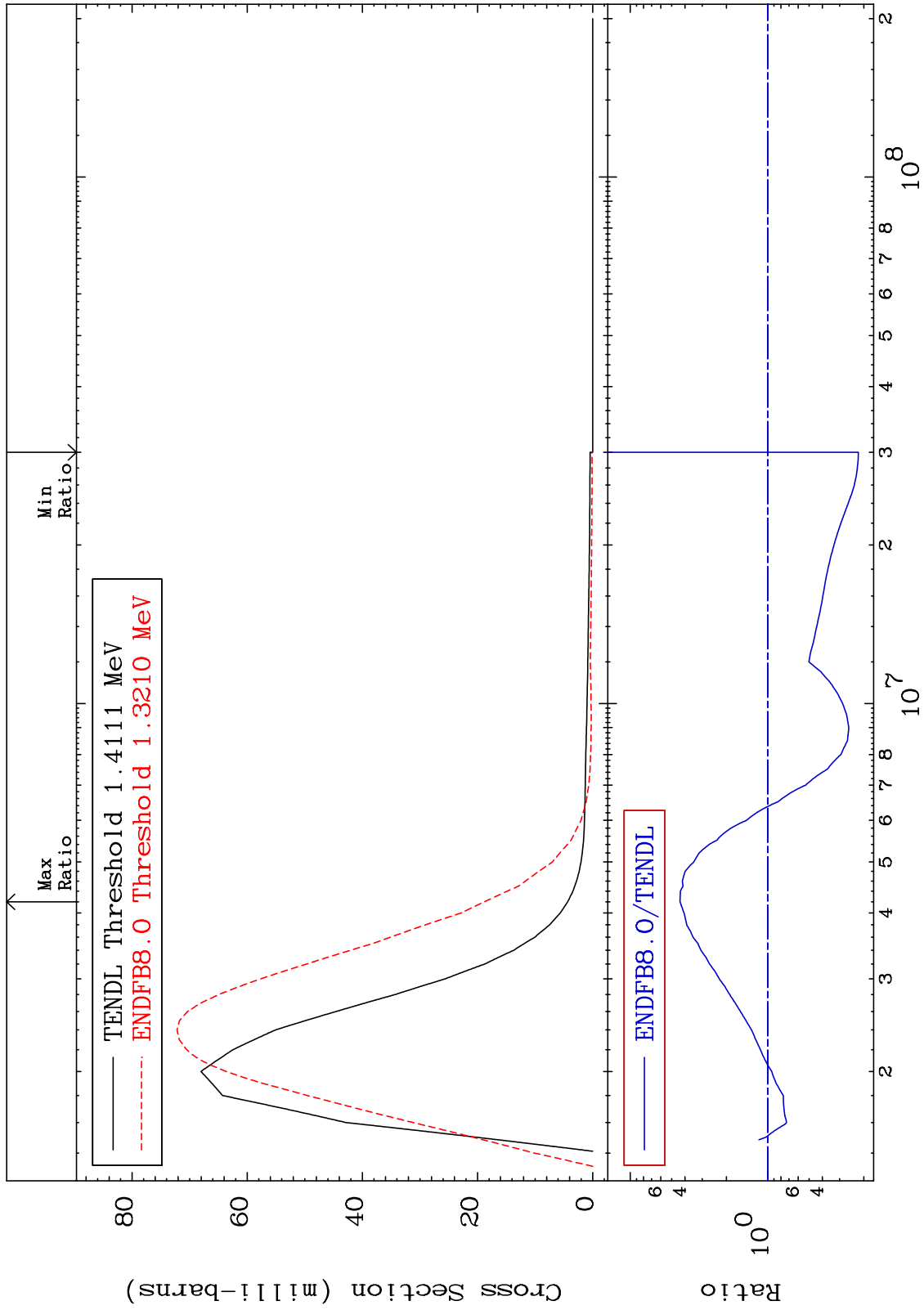
MAT 4649

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

46-Pd-110
-93.11 To 313.6 %



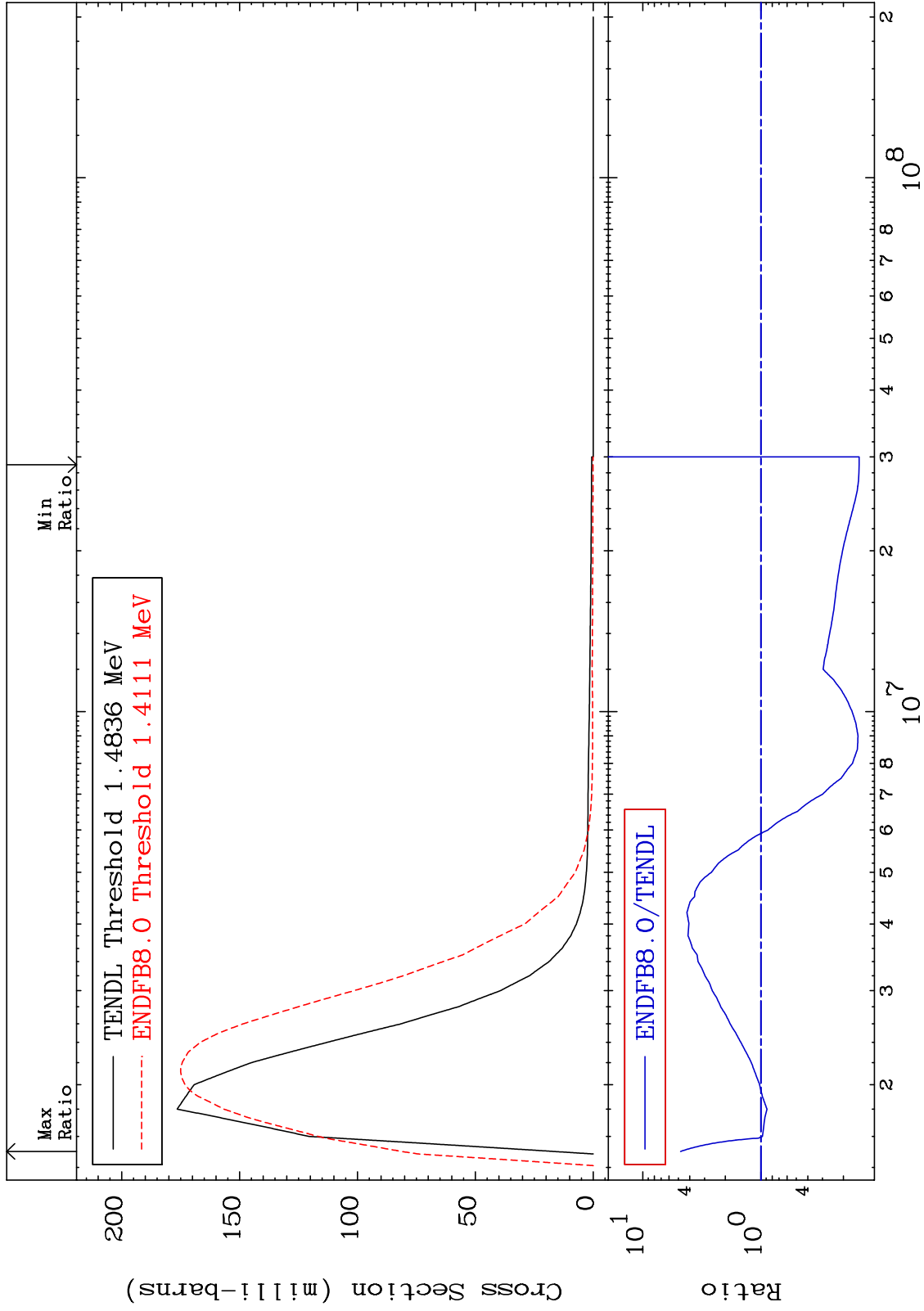
MAT 4649 MT= 58 (n,n') Level
 Cross Section 46-Pd-110
 -78.13 To 334.6 %



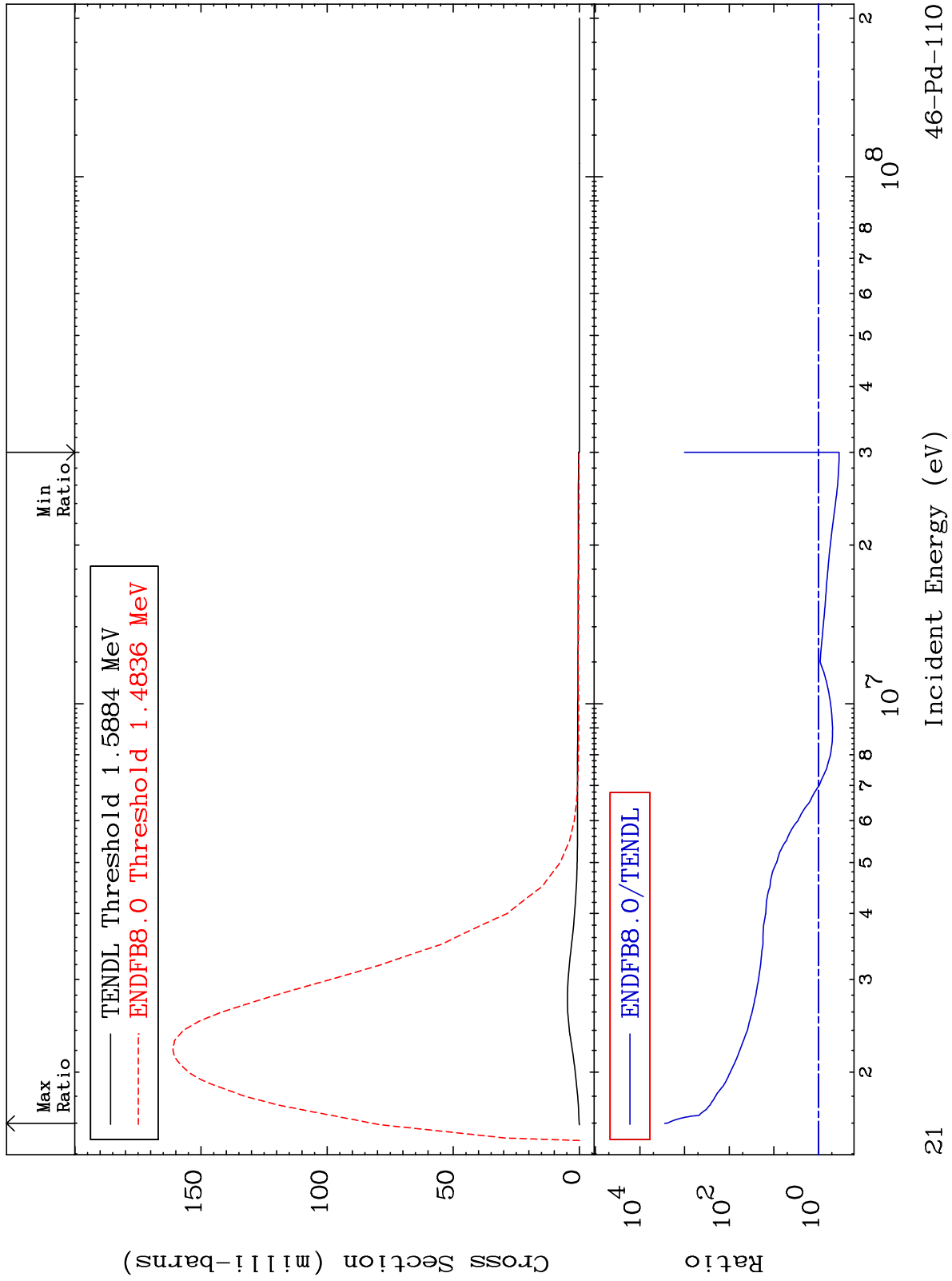
MAT 4649

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

46-Pd-110
-85.33 To 378.3 %



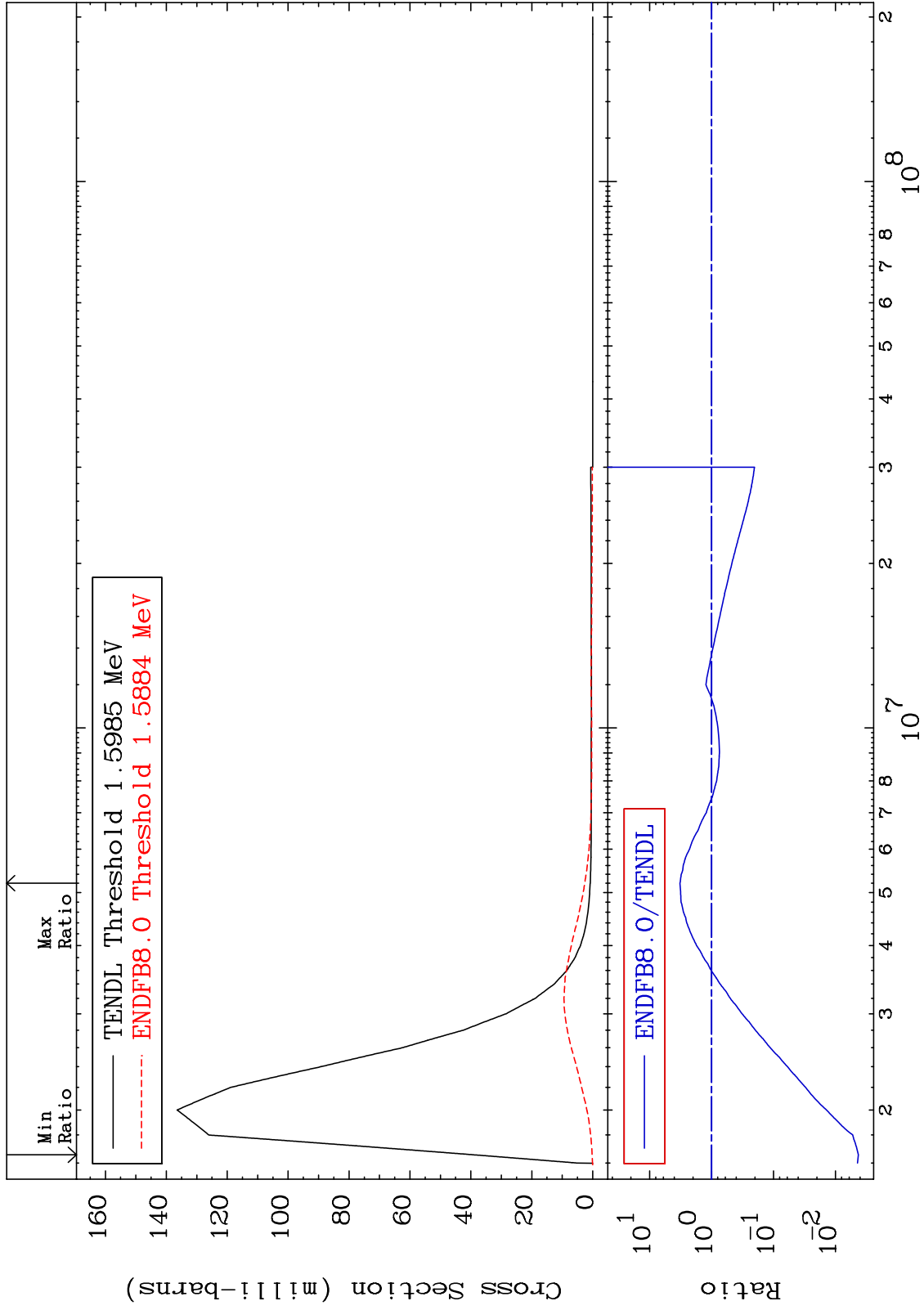
MAT 4649 MT= 60 (n,n') Level Cross Section 46-Pd-110
 -65.60 To 9999. %



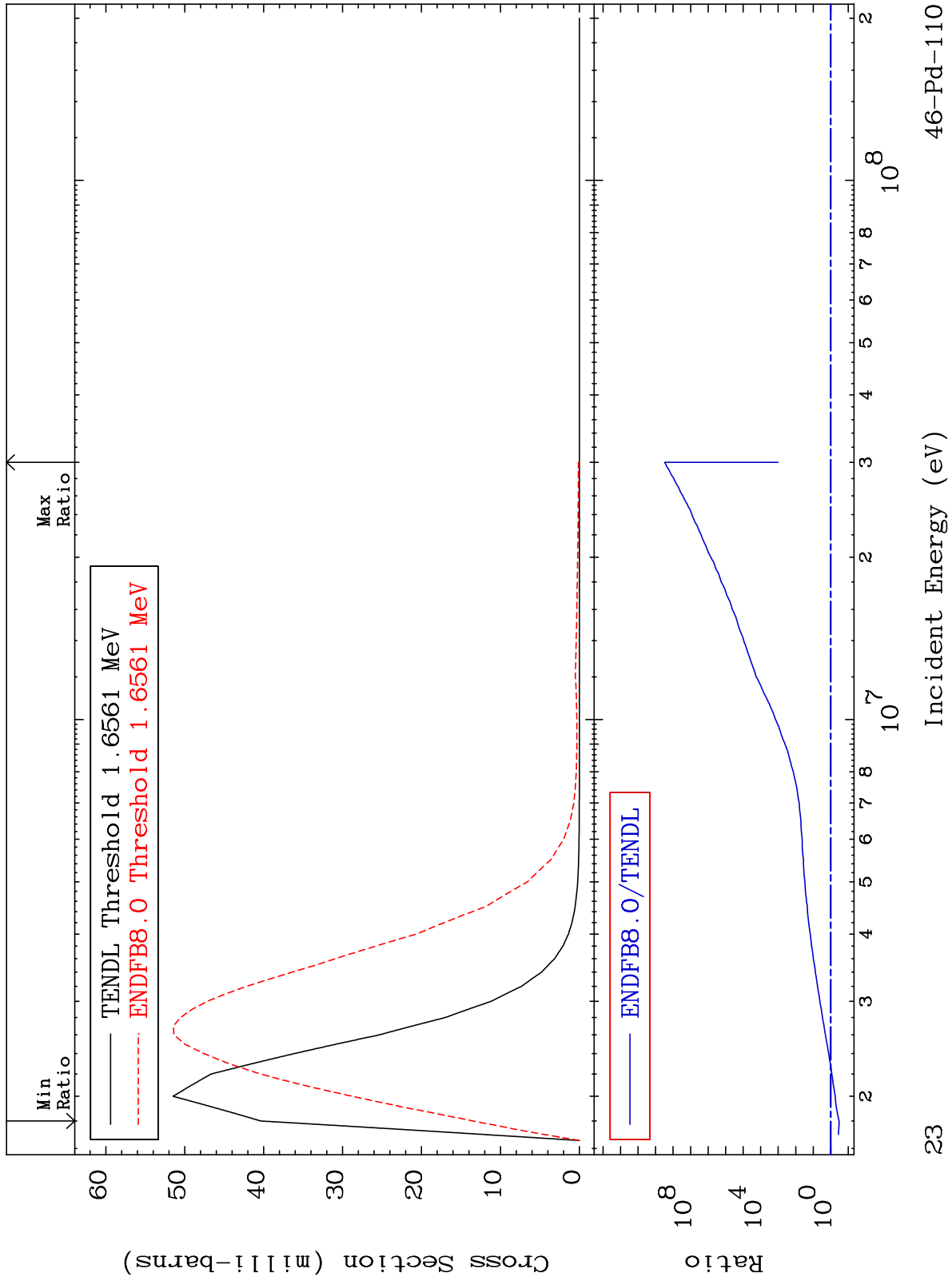
MAT 4649

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

46-Pd-110
-99.57 To 223.2 %



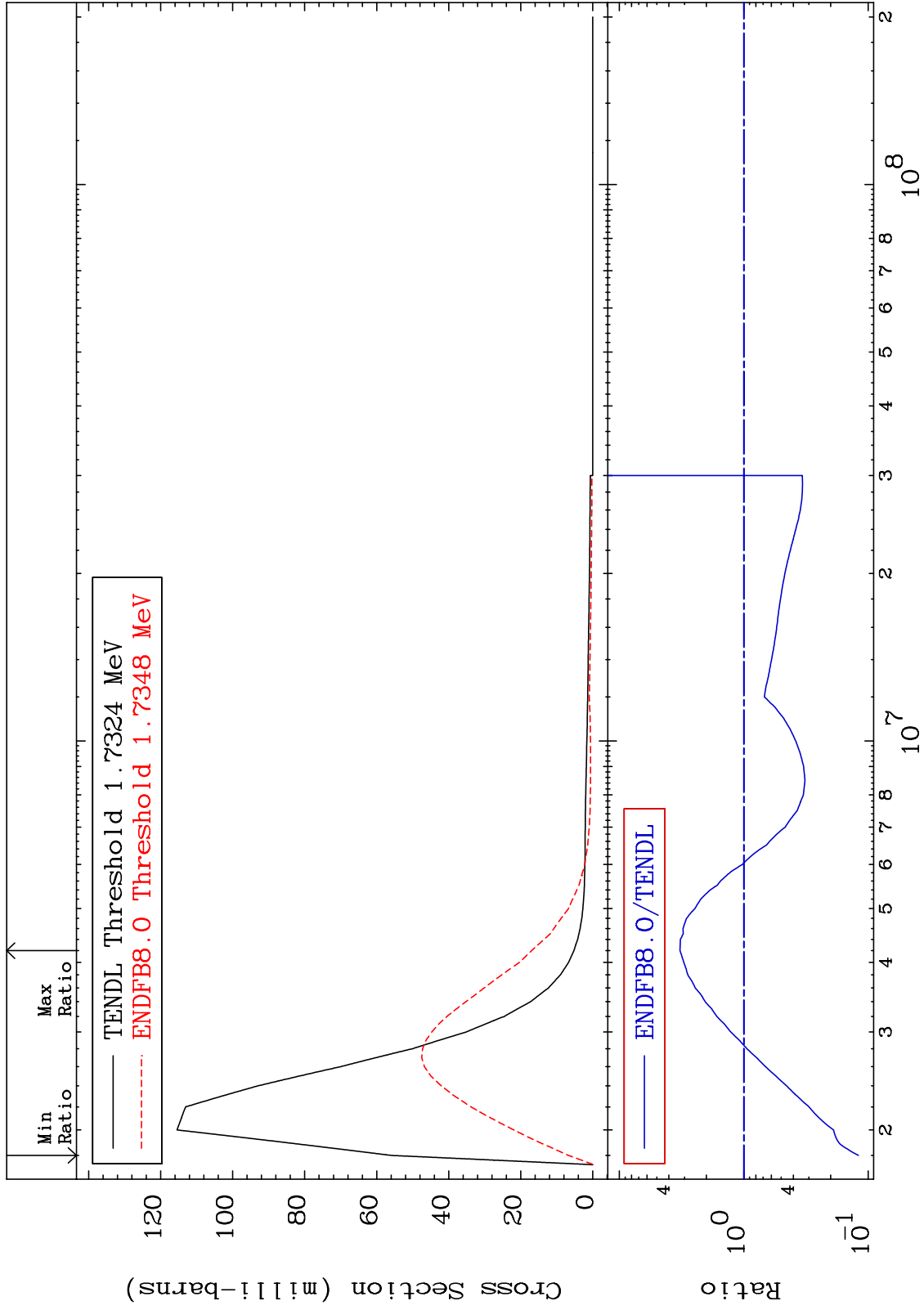
MAT 4649 MT= 62 (n,n') Level Cross Section 46-Pd-110
 -66.62 To 9999. %



MAT 4649

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

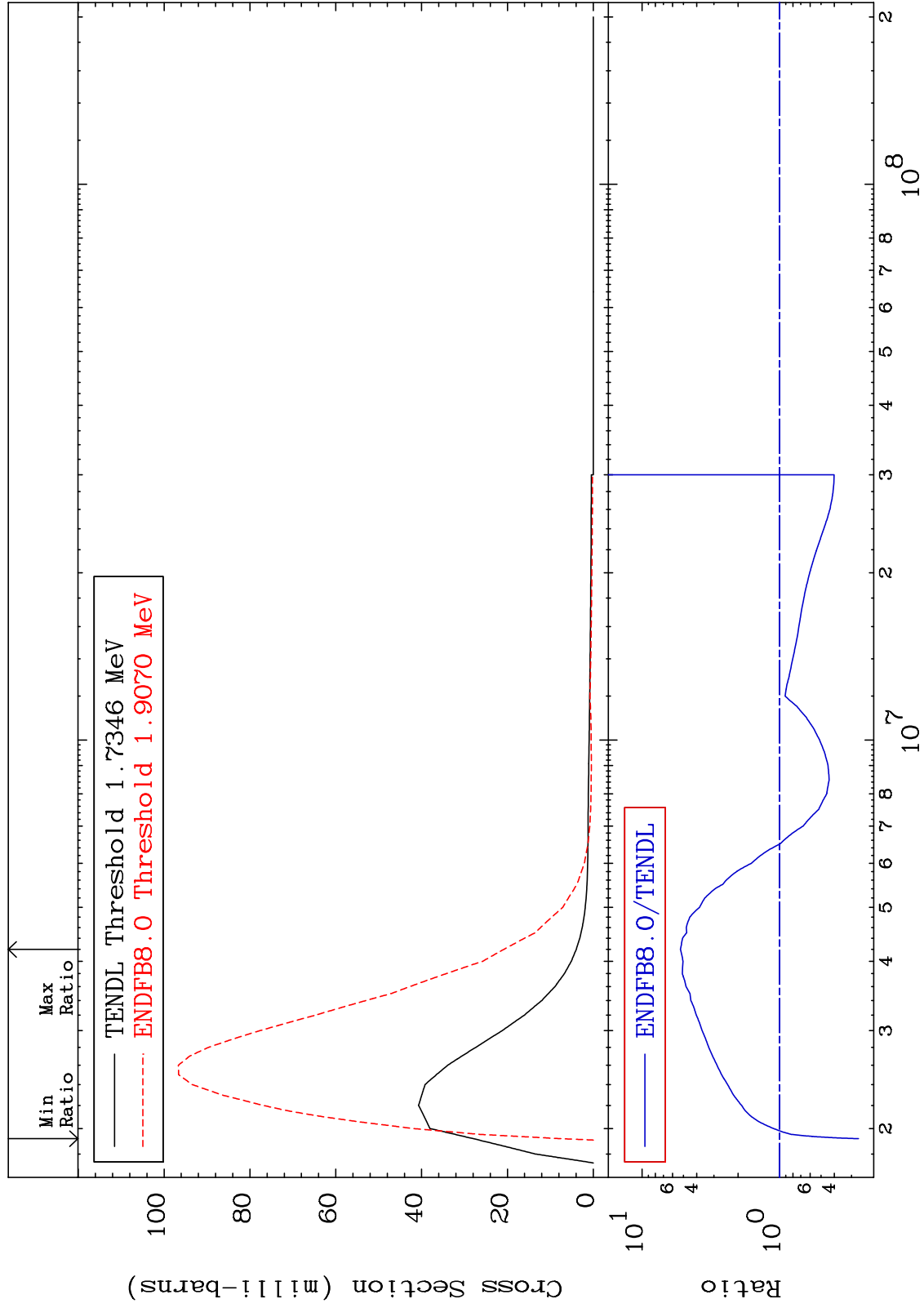
46-Pd-110
-88.01 To 225.6 %



MAT 4649

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

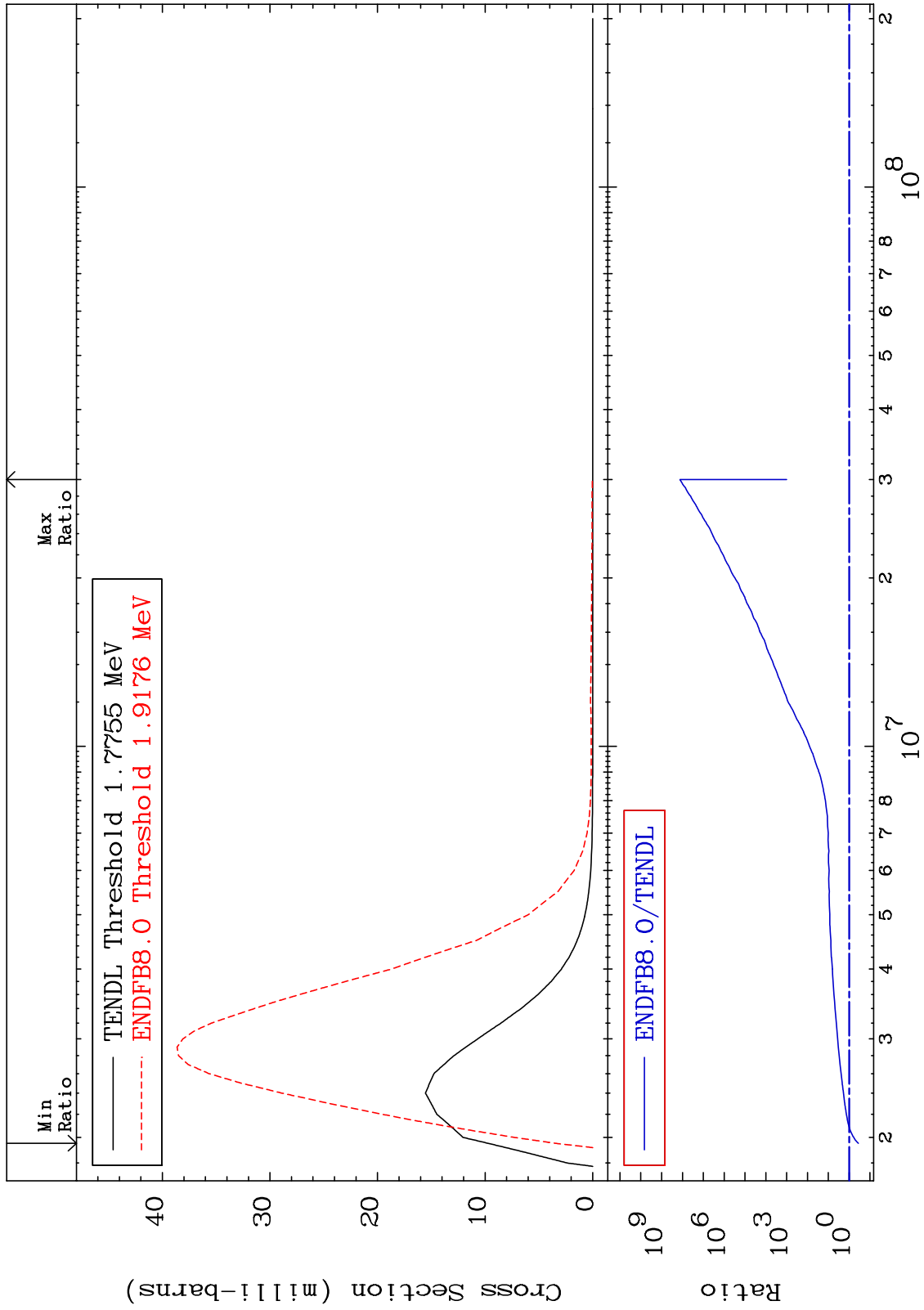
46-Pd-110
-73.36 To 426.0 %



MAT 4649

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

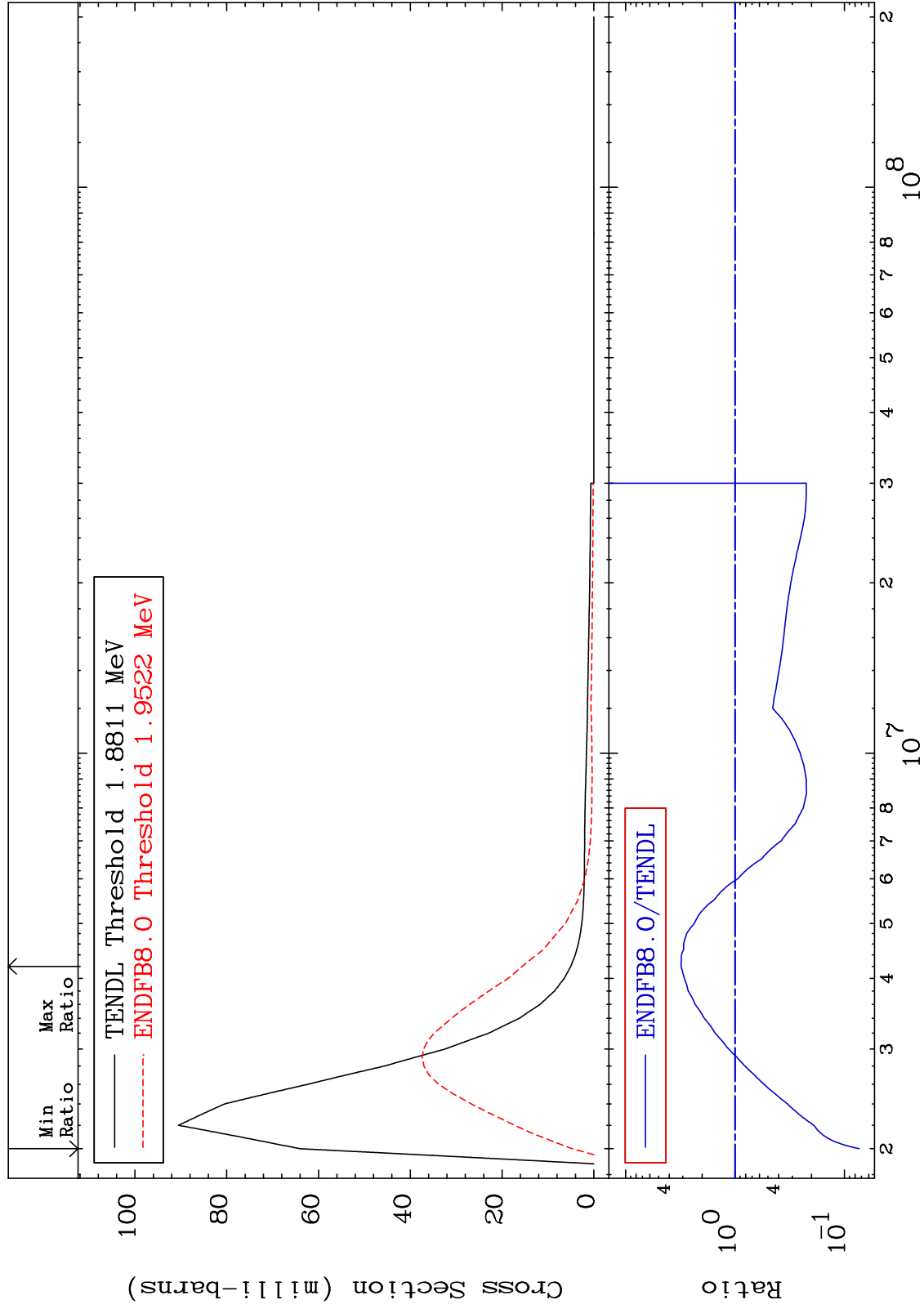
46-Pd-110
-64.12 To 9999. %



MAT 4649

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

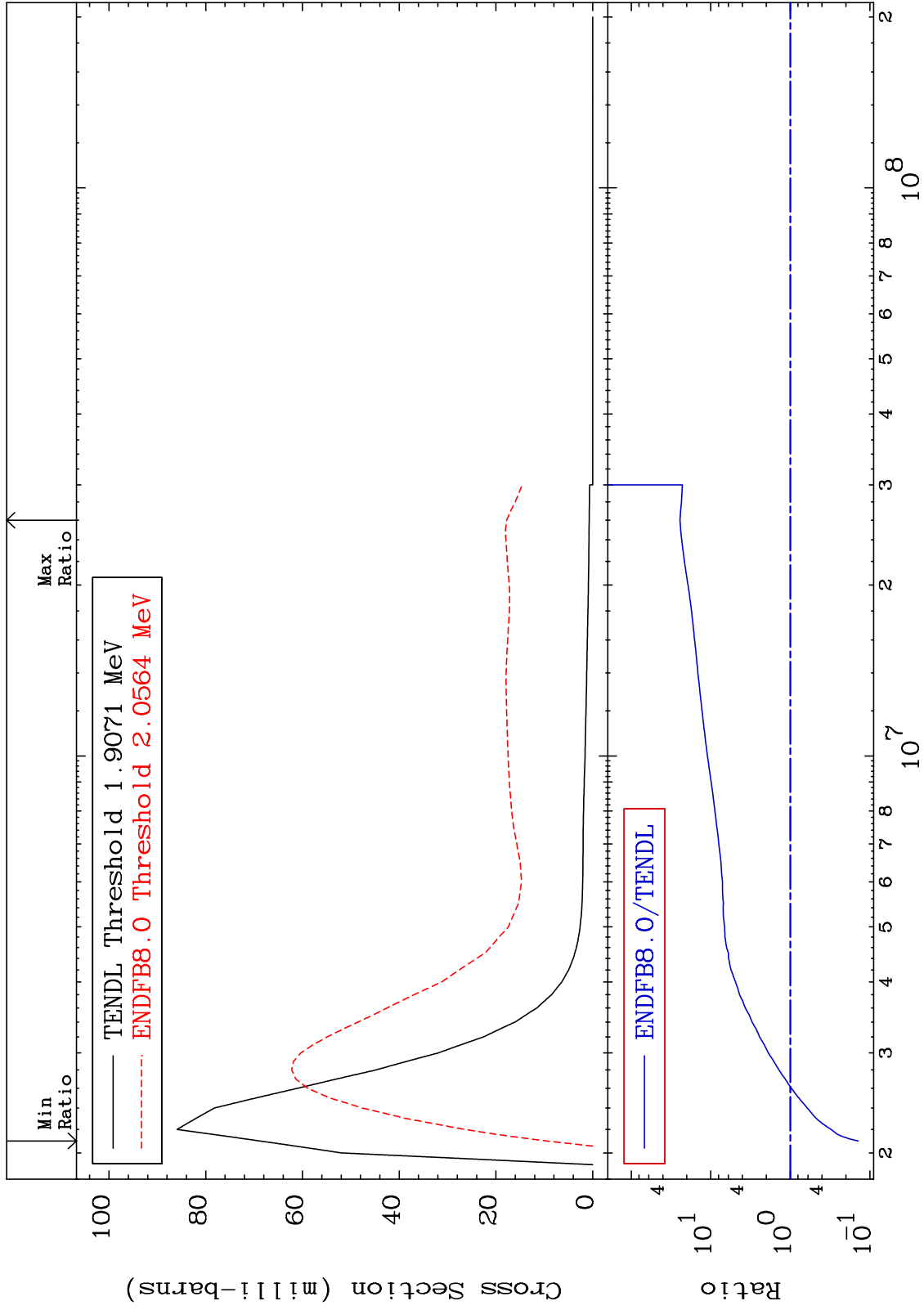
46-Pd-110
-92.67 To 211.3 %



MAT 4649

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

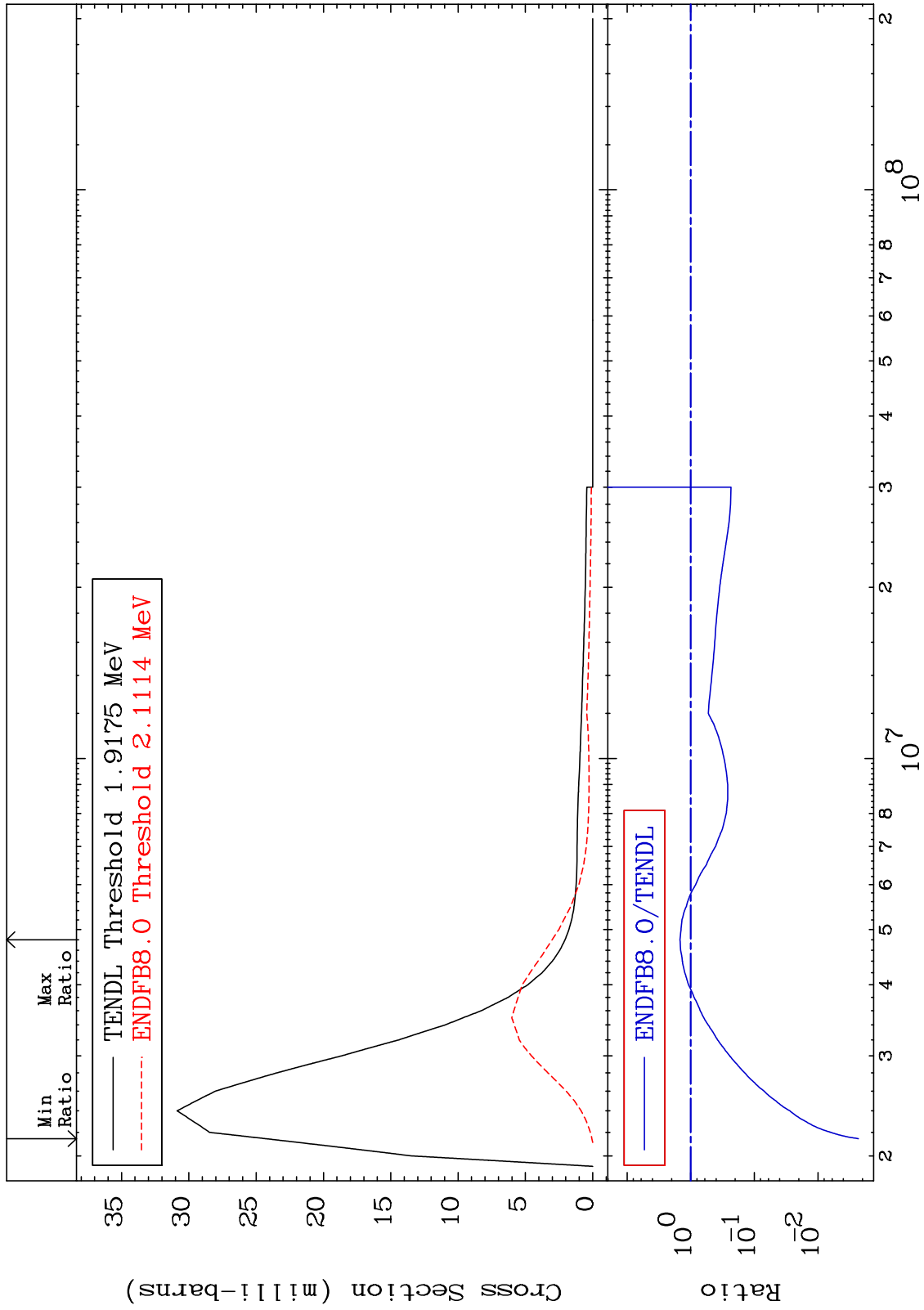
46-Pd-110
-86.07 To 2335. %



MAT 4649

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

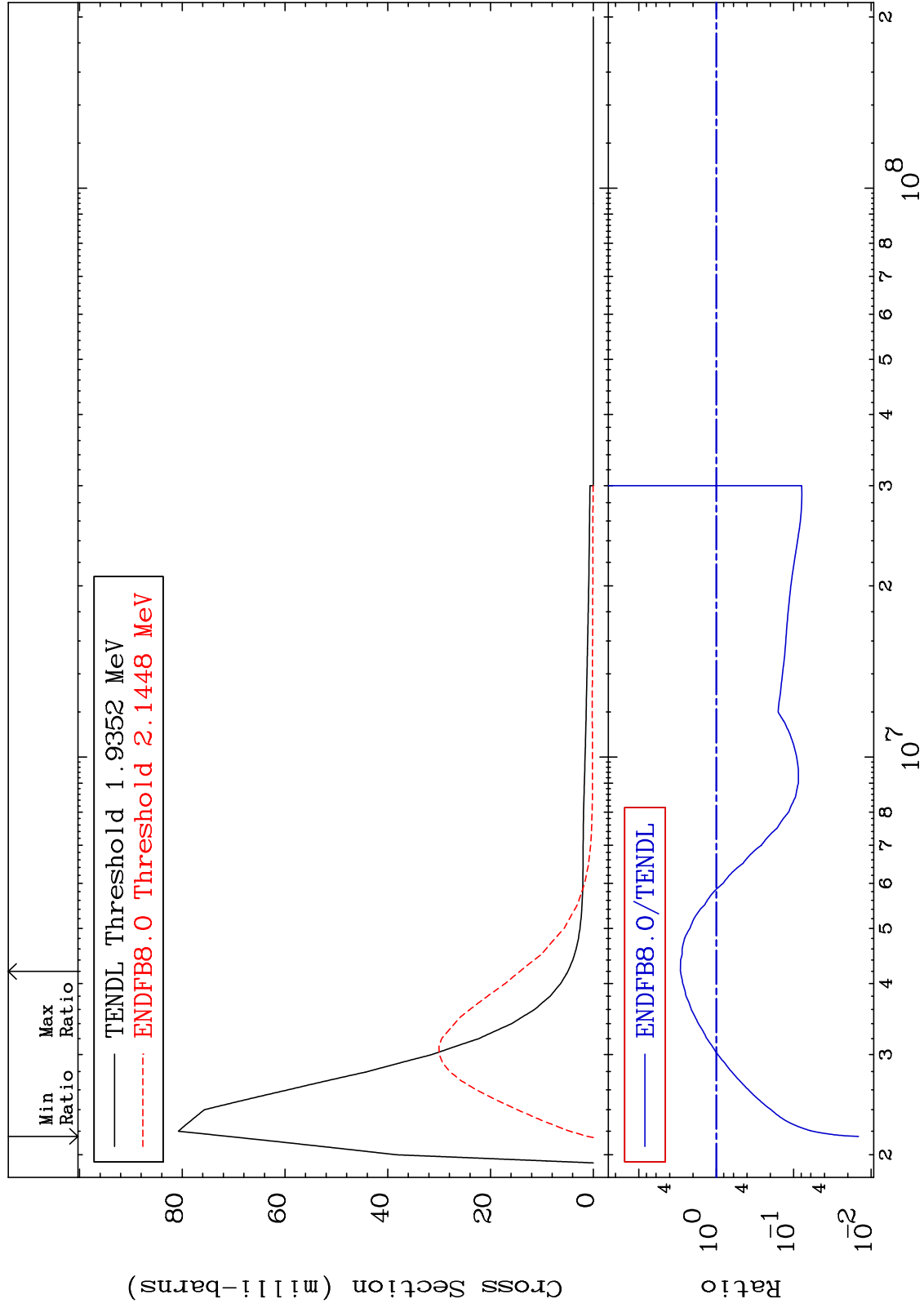
46-Pd-110
-99.77 To 47.41 %



MAT 4649

MT= 69 (n,n') Level
Cross Section

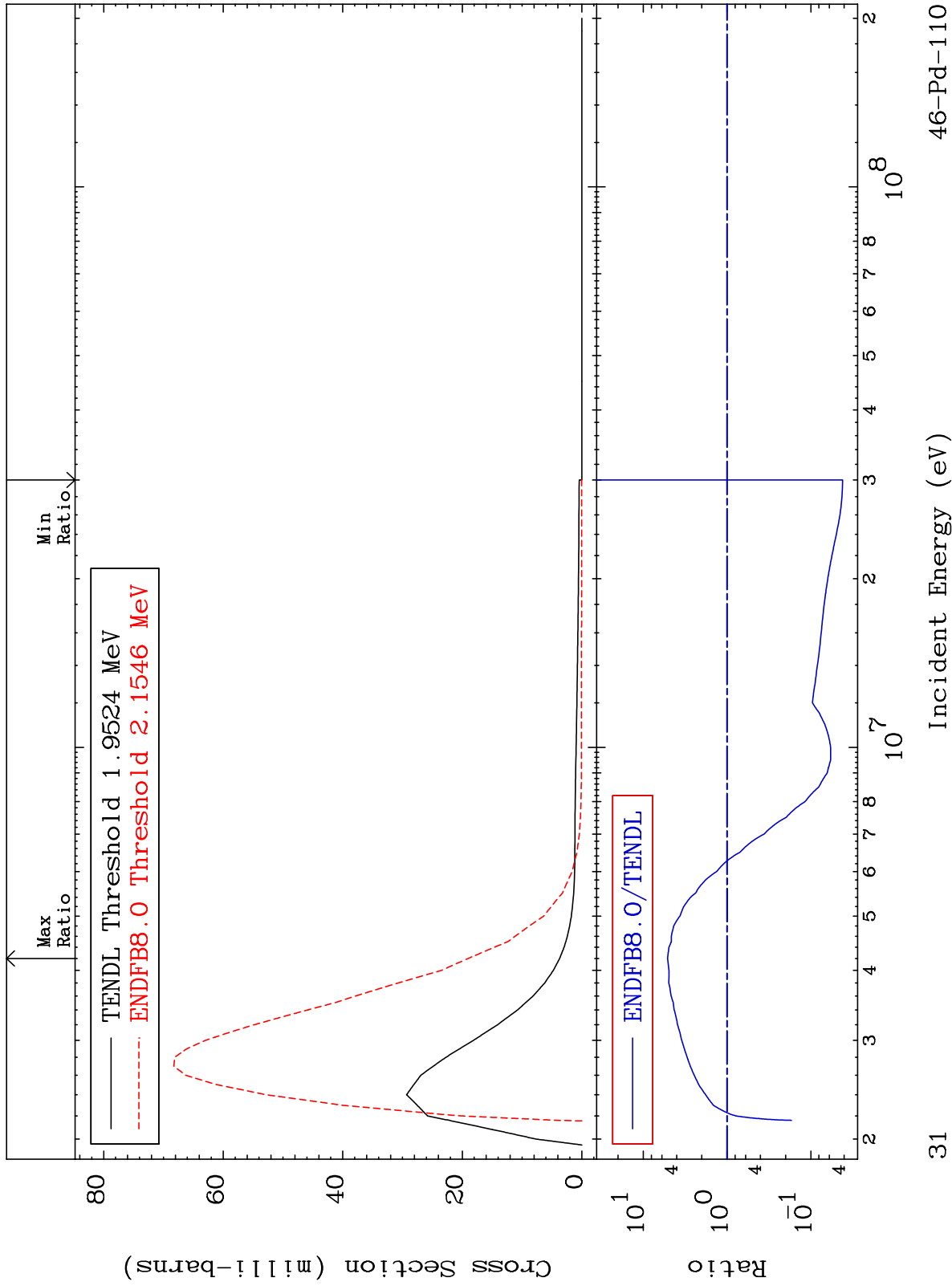
46-Pd-110
-98.55 To 190.3 %



30

46-Pd-110

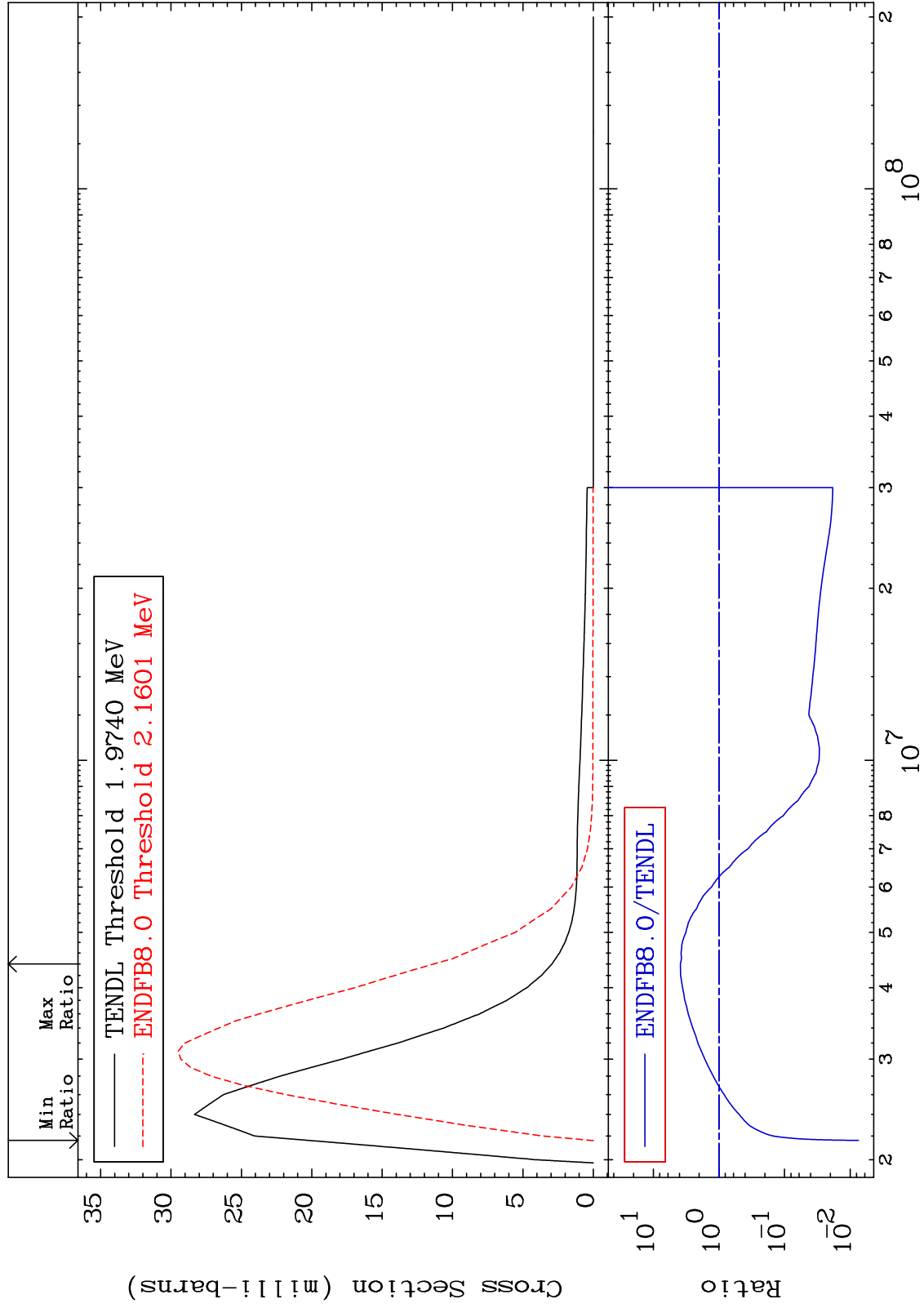
MAT 4649 MT= 70 (n,n') Level Cross Section 46-Pd-110
 -95.83 To 412.9 %



MAT 4649

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

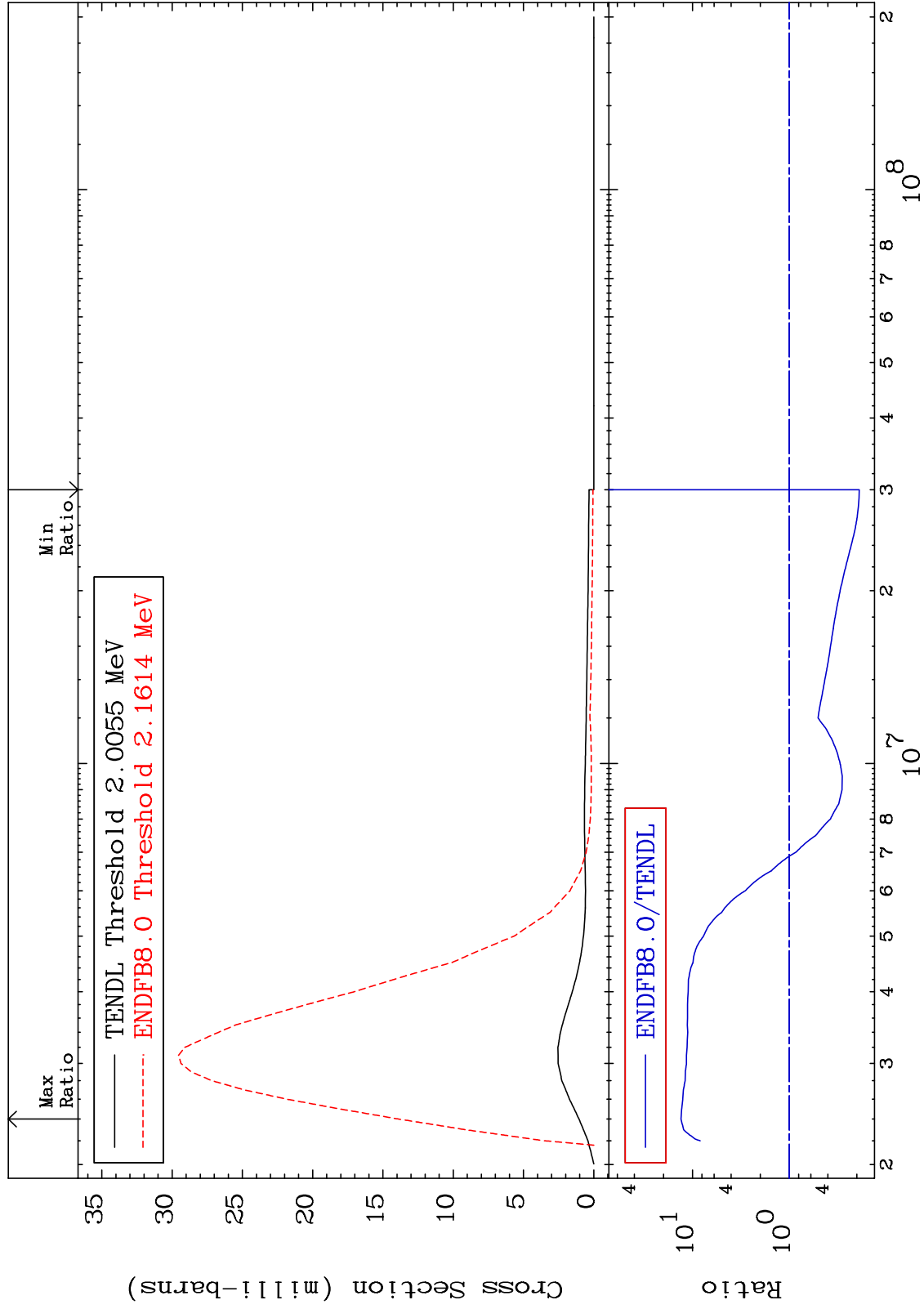
46-Pd-110
-99.25 To 285.8 %



MAT 4649

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

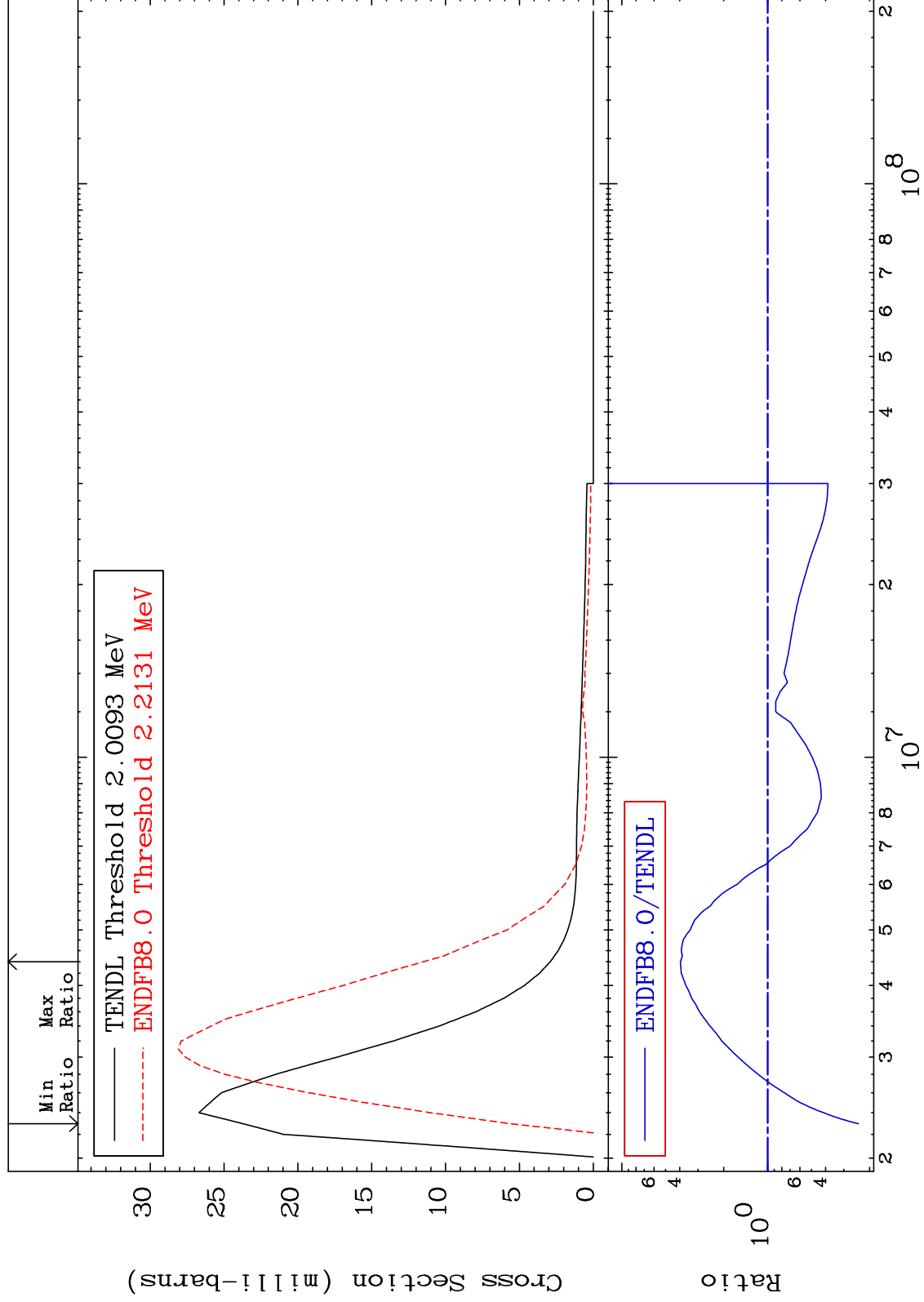
46-Pd-110
-81.09 To 1218. %



MAT 4649

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

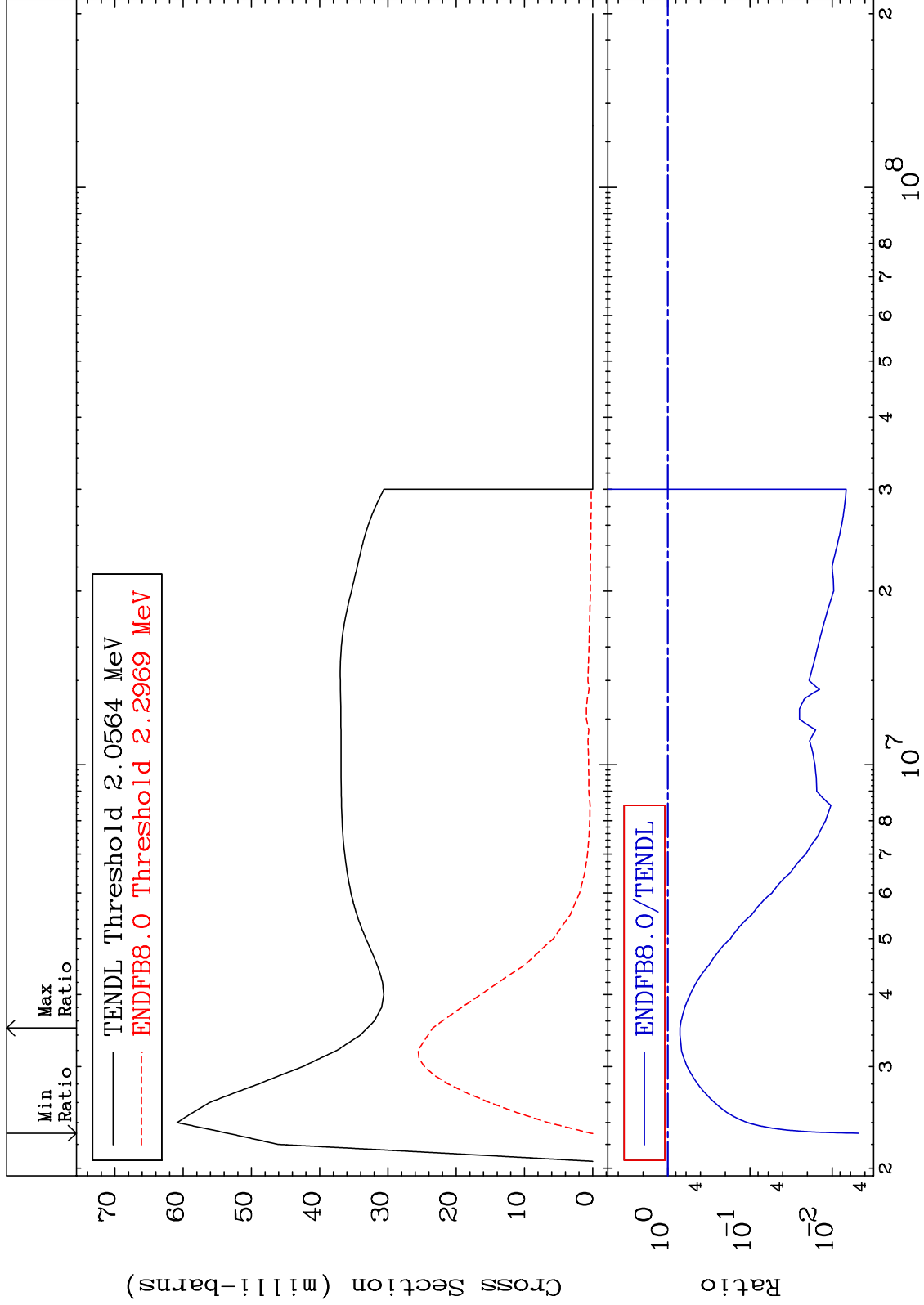
46-Pd-110
-76.20 To 295.9 %



MAT 4649

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

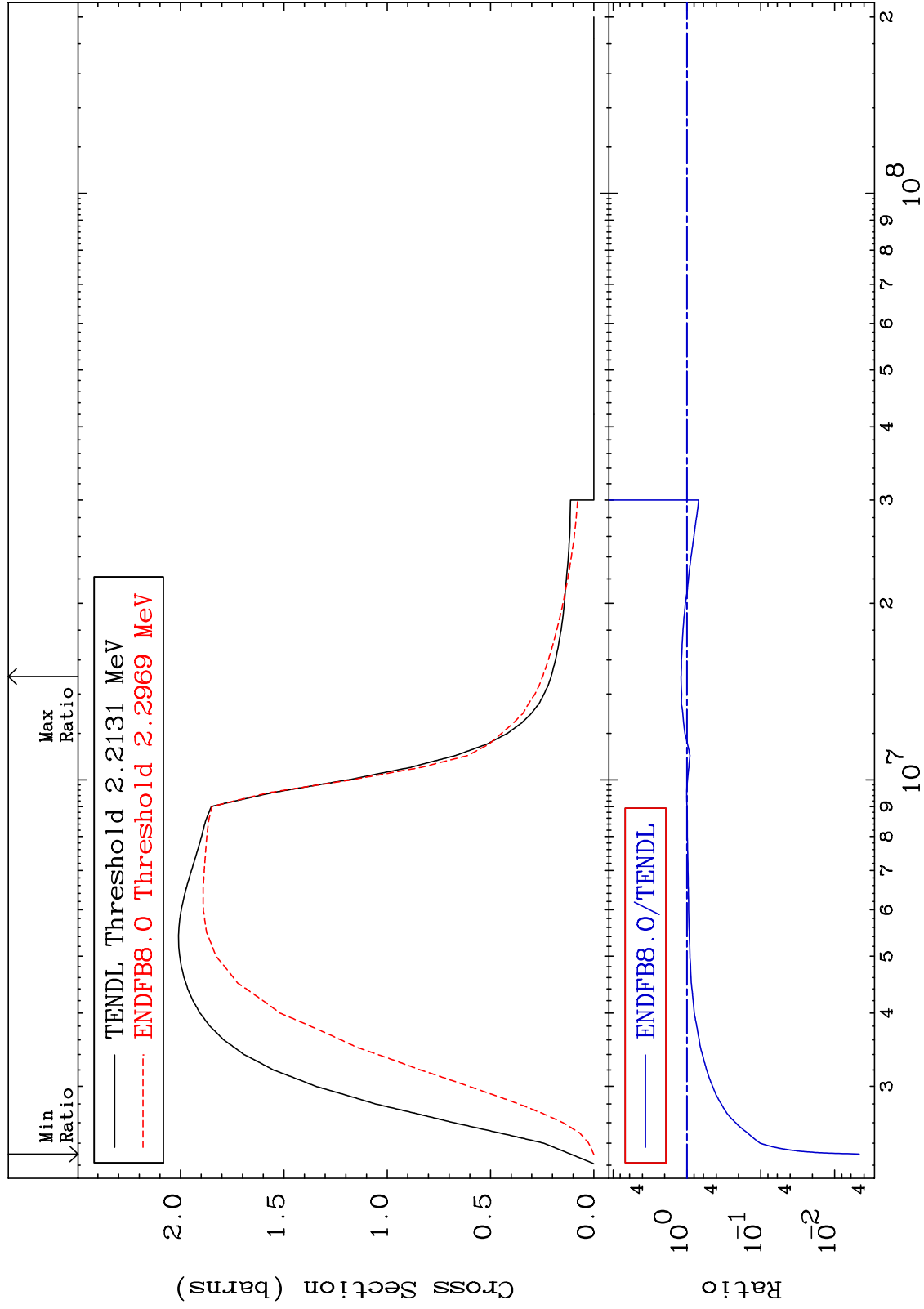
46-Pd-110
-99.52 To -29.06%



MAT 4649

(n, n') Continuum
Cross Section

46-Pd-110
-99.54 To 20.22 %



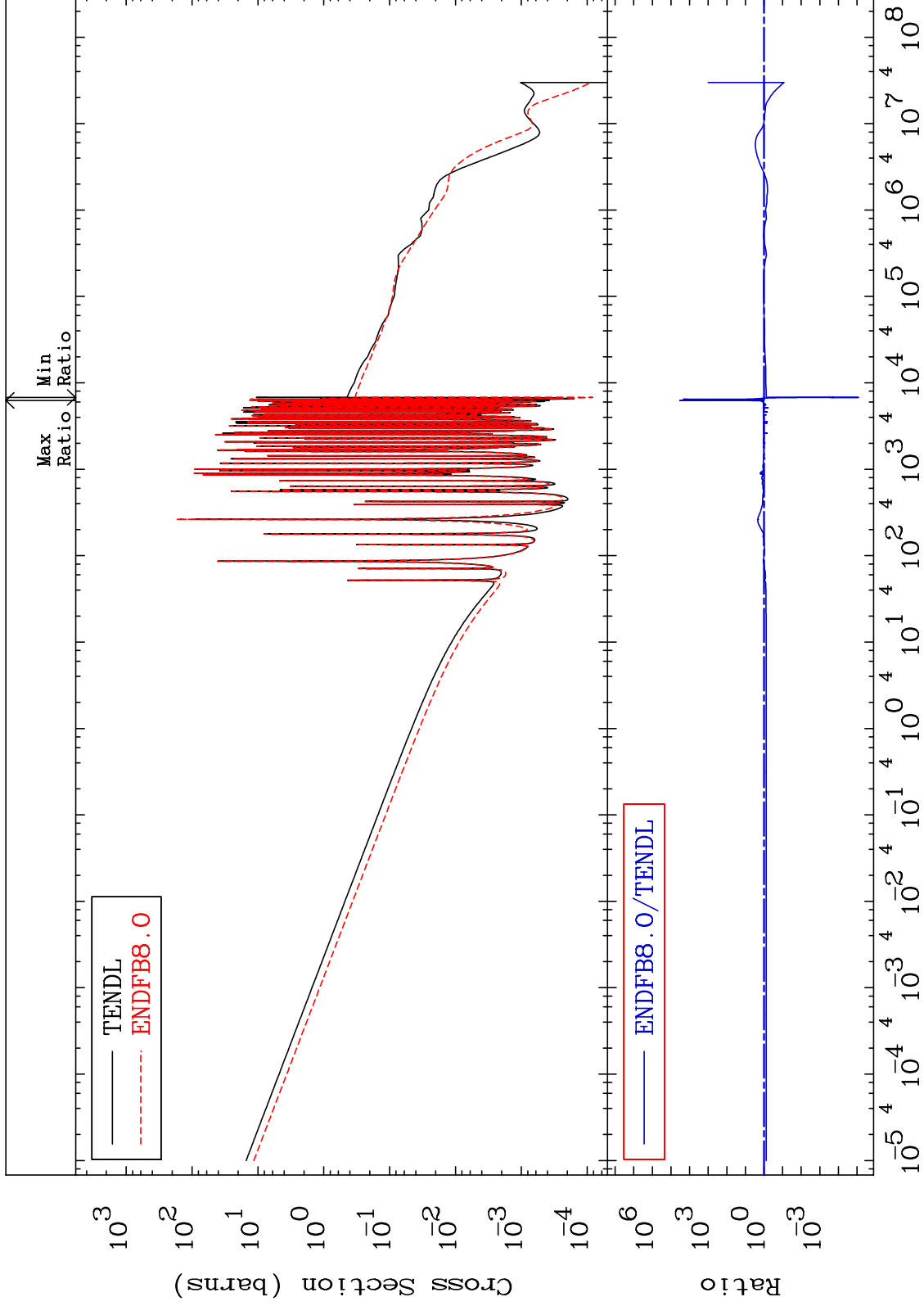
MAT 4649

(n, γ)

46-Pd-110

Cross Section

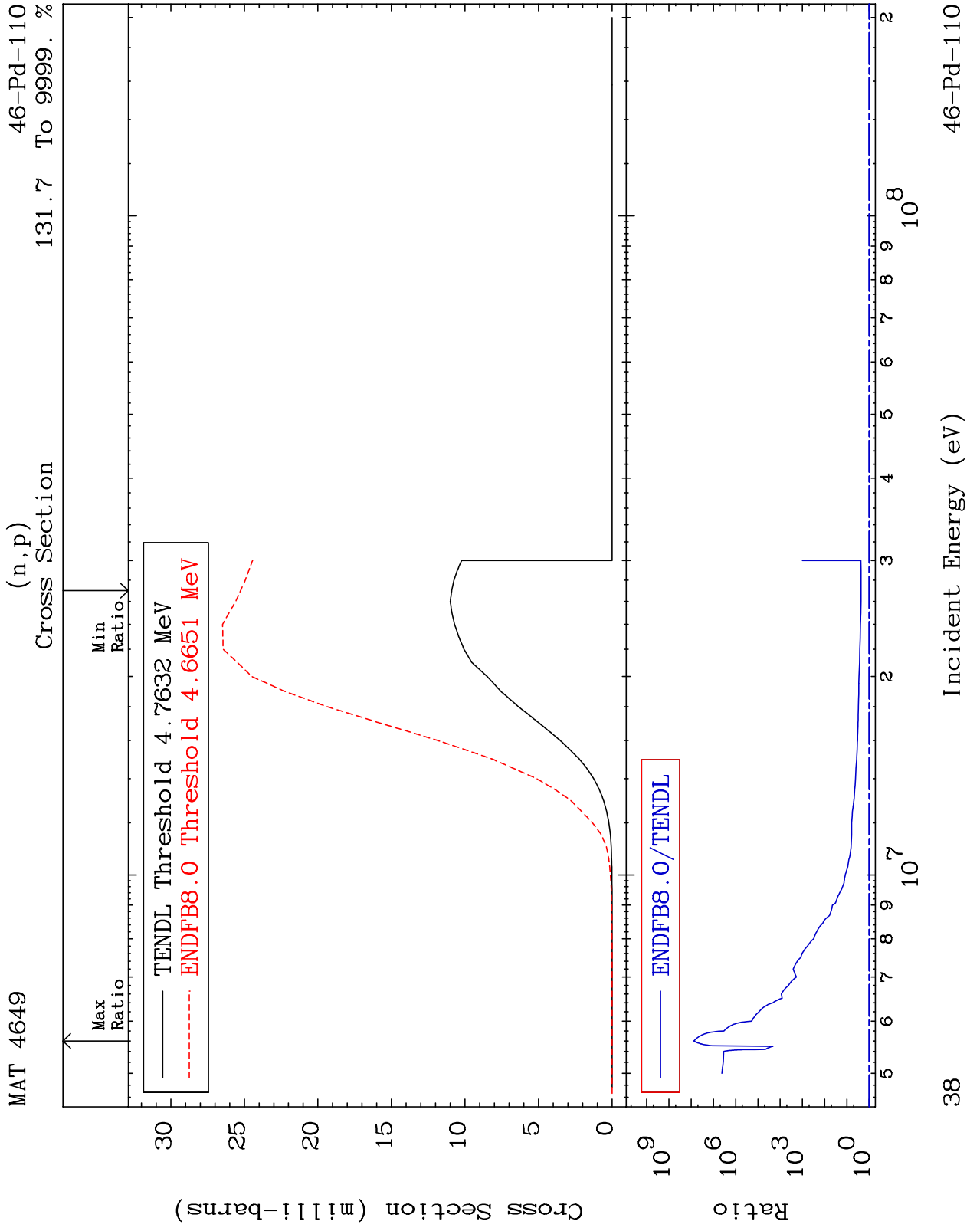
-100.0 To 9999. %



37

Incident Energy (eV)

46-Pd-110



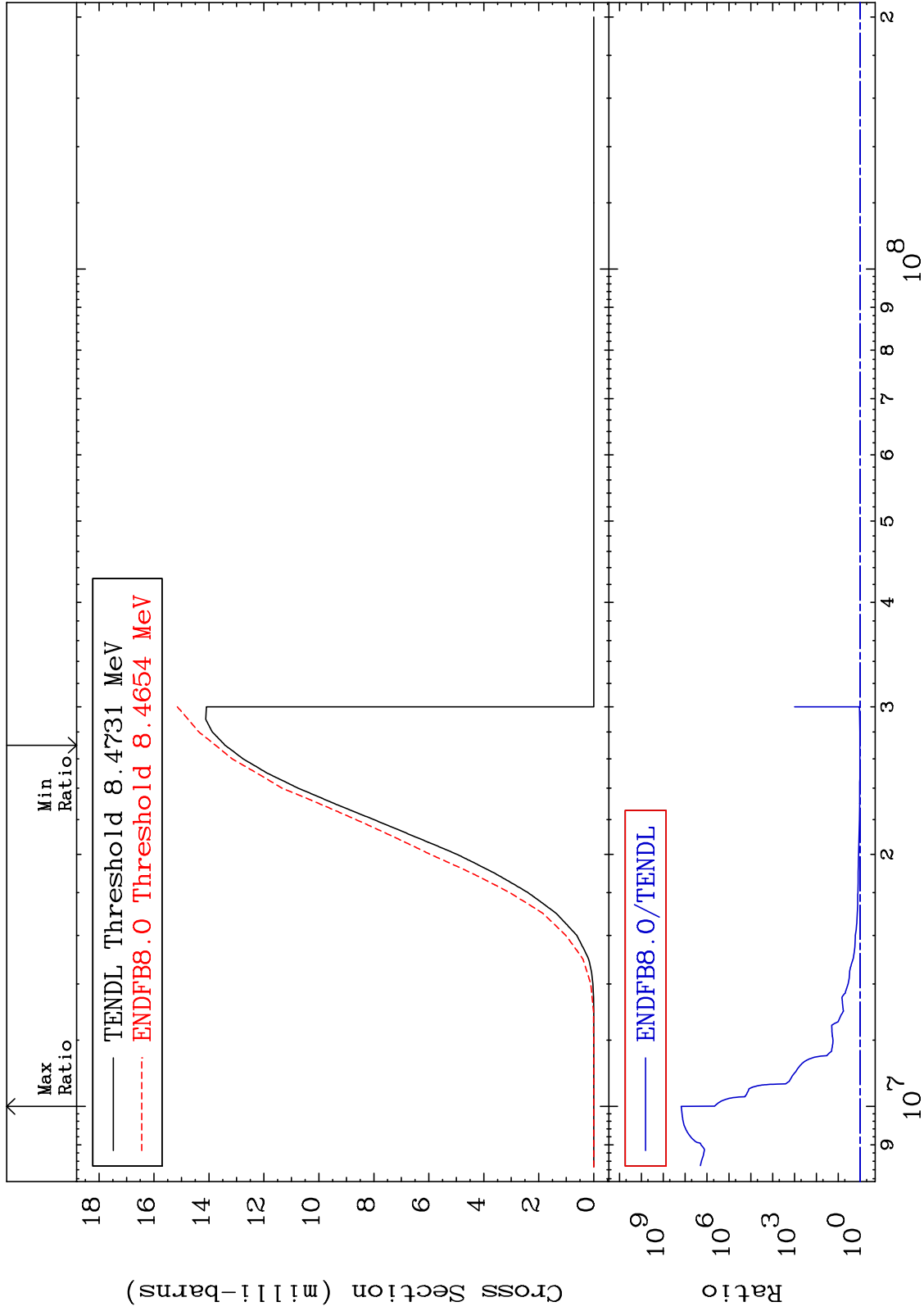
MAT 4649

(n,d)

46-Pd-110

Cross Section

2.585 To 9999. %



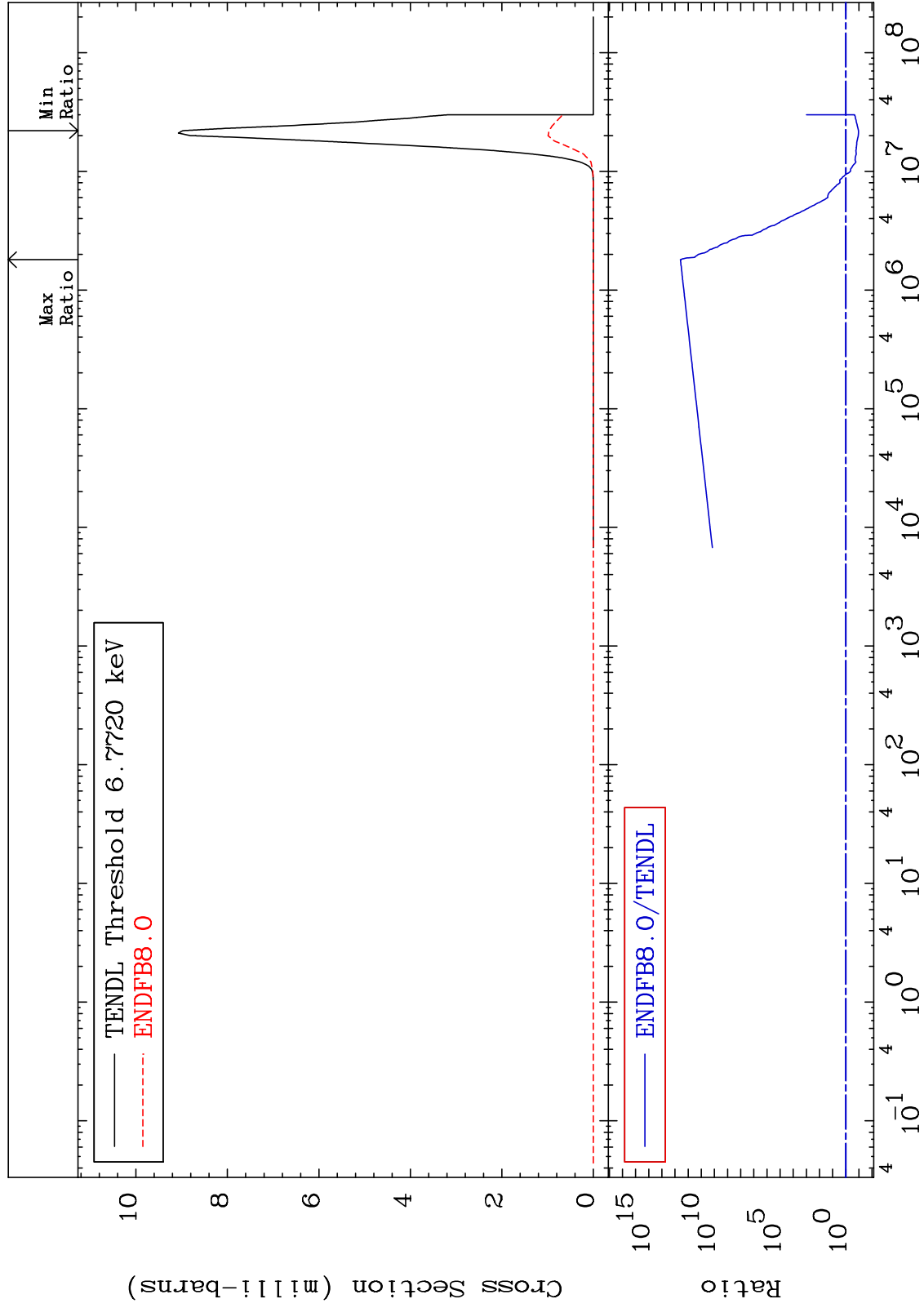
MAT 4649

(n, α)

46-Pd-110

Cross Section

-89.23 To 9999. %



40

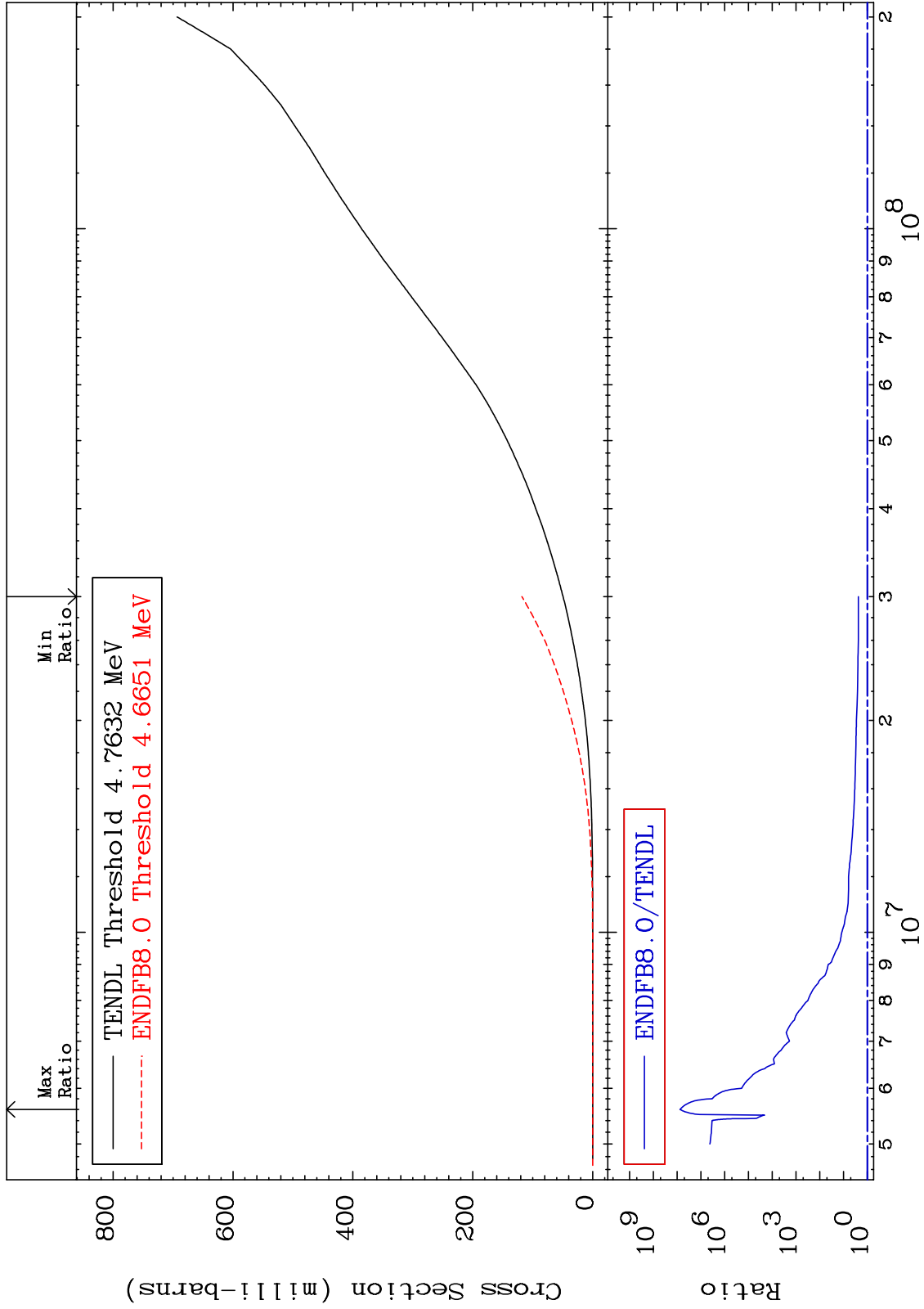
Incident Energy (eV)

46-Pd-110

MAT 4649

Hydrogen Production
Cross Section

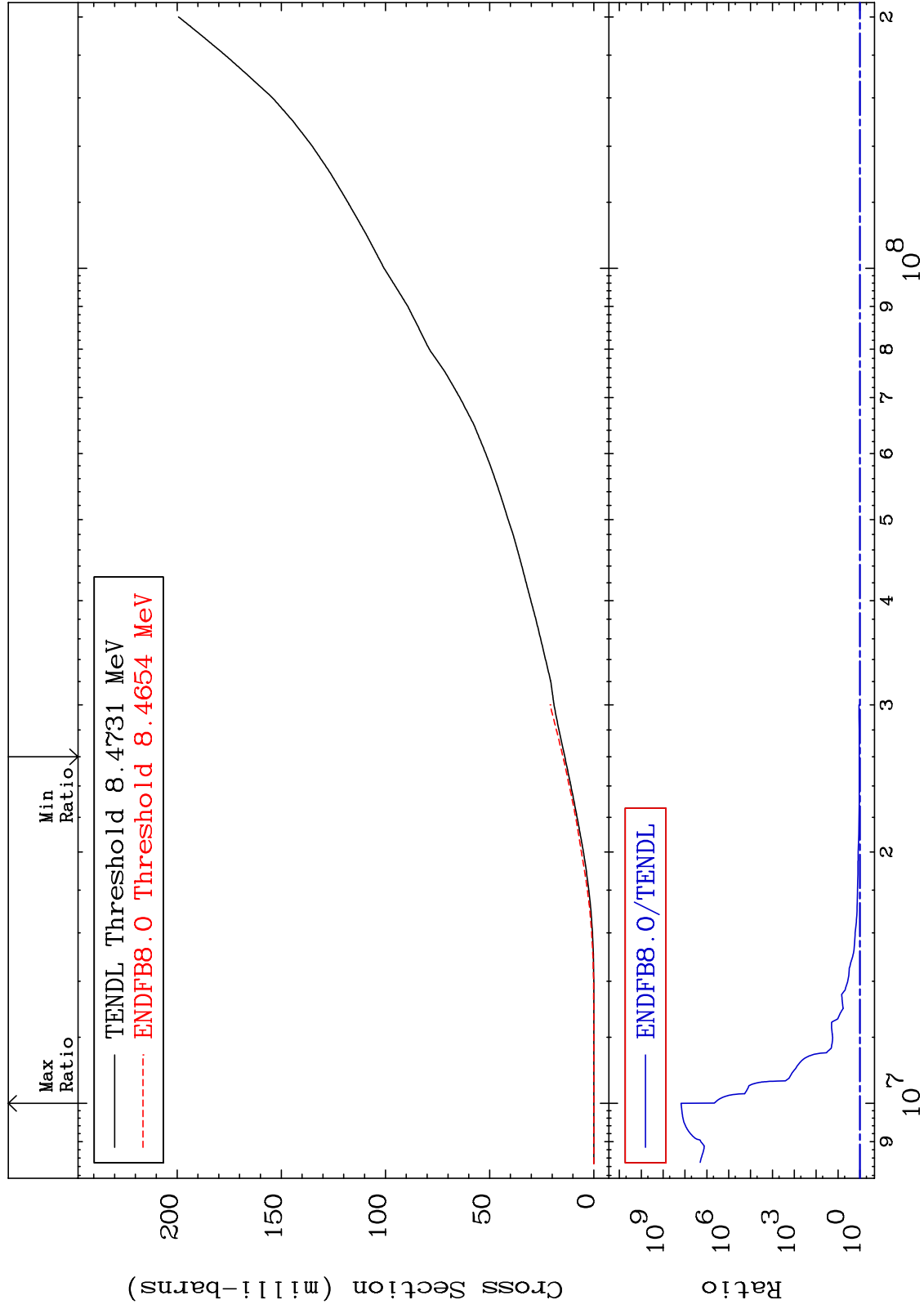
46-Pd-110
138.6 To 9999. %



MAT 4649

Deuterium Production
Cross Section

46-Pd-110
6.347 To 9999. %



42

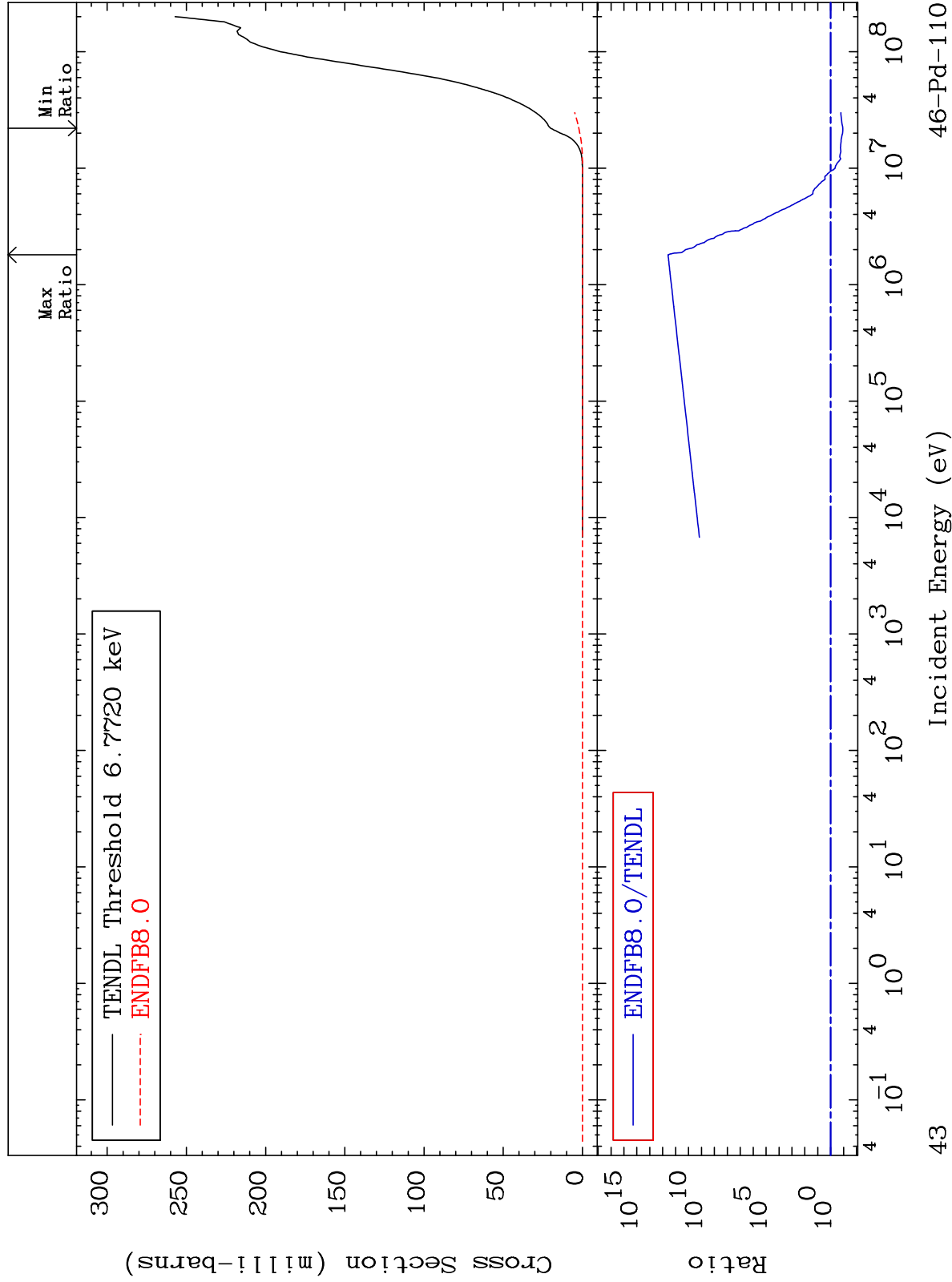
Incident Energy (eV)

46-Pd-110

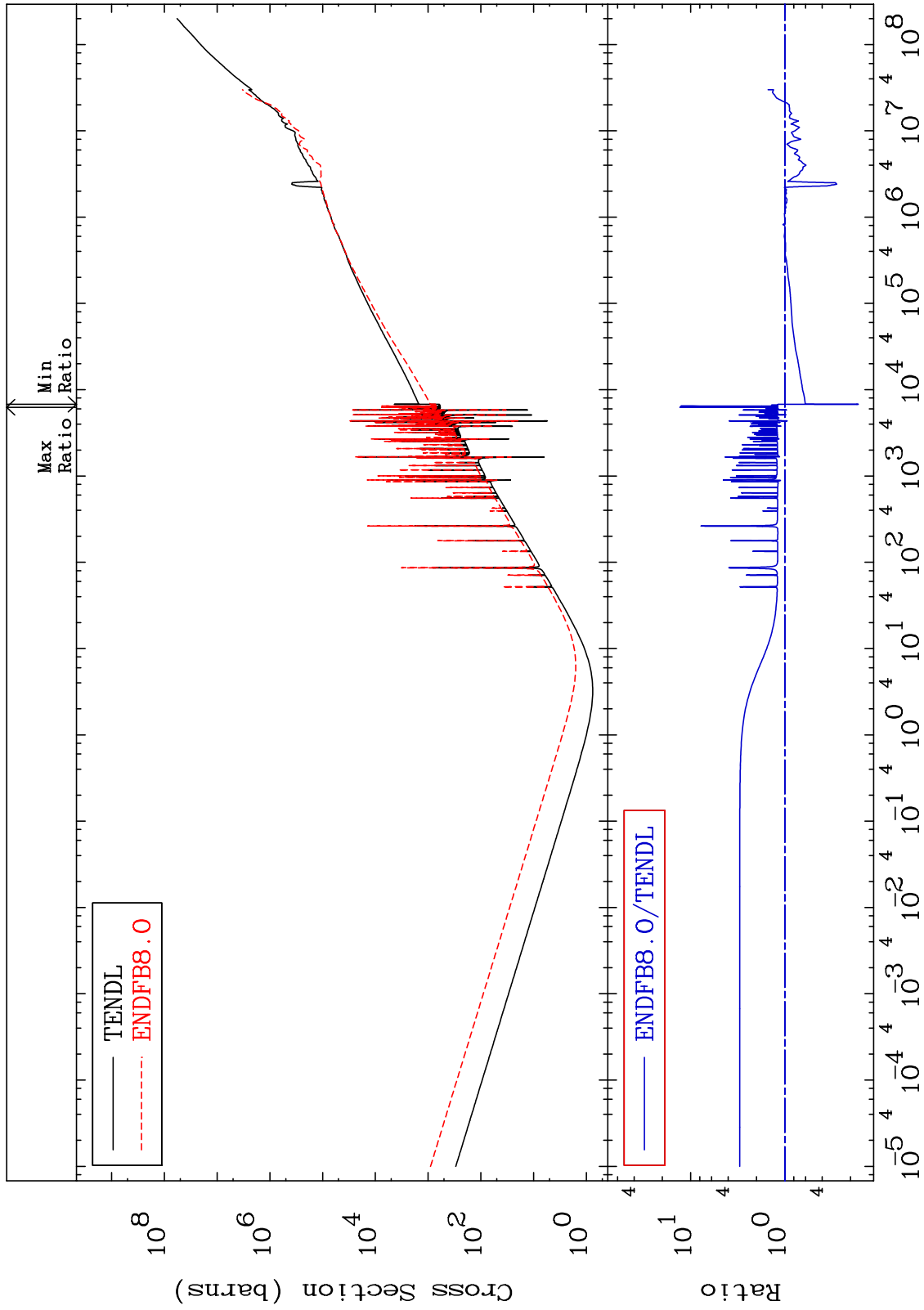
MAT 4649

He-4 Production
Cross Section

46-Pd-110
-88.53 To 9999. %



MAT 4649 Kerma total (eV-barns) 46-Pd-110
Cross Section -83.52 To 1199. %

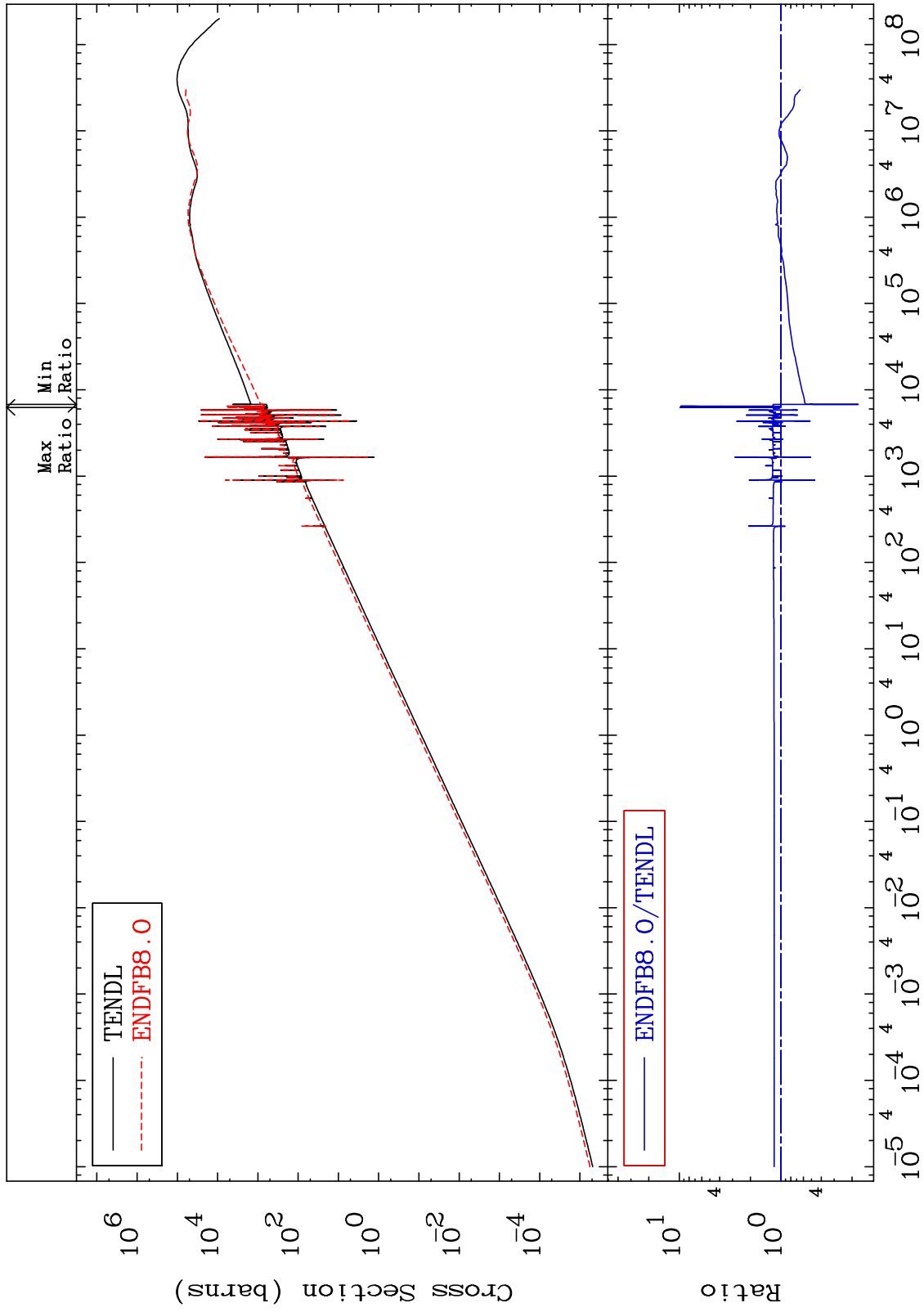


44 Incident Energy (eV) 46-Pd-110

MAT 4649

Kerma elastic
Cross Section

46-Pd-110
-82.71 To 883.5 %



45

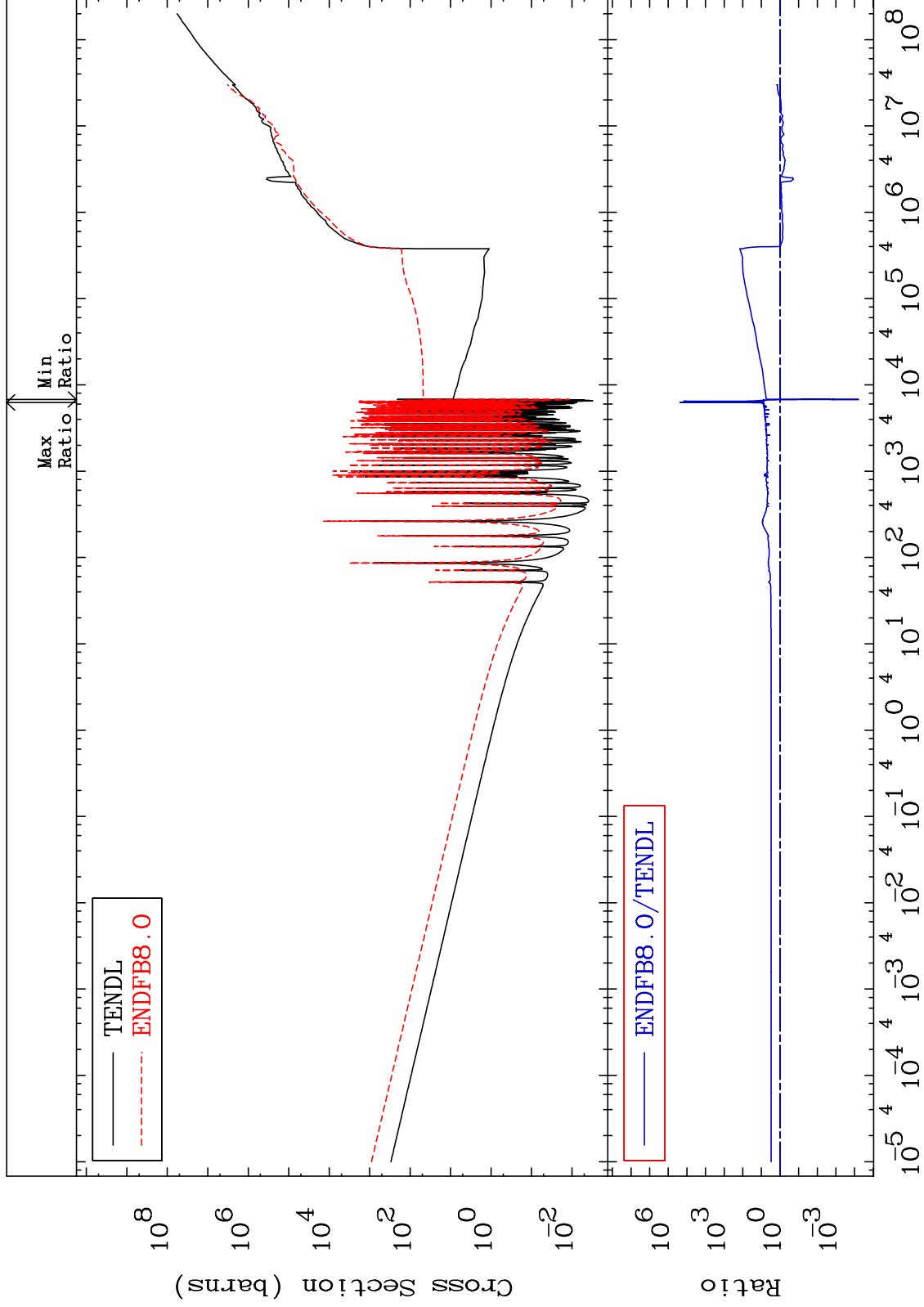
Incident Energy (eV)

46-Pd-110

MAT 4649

Kerma non-elastic (all but mt2)
Cross Section

46-Pd-110
-99.99 To 9999. %



46

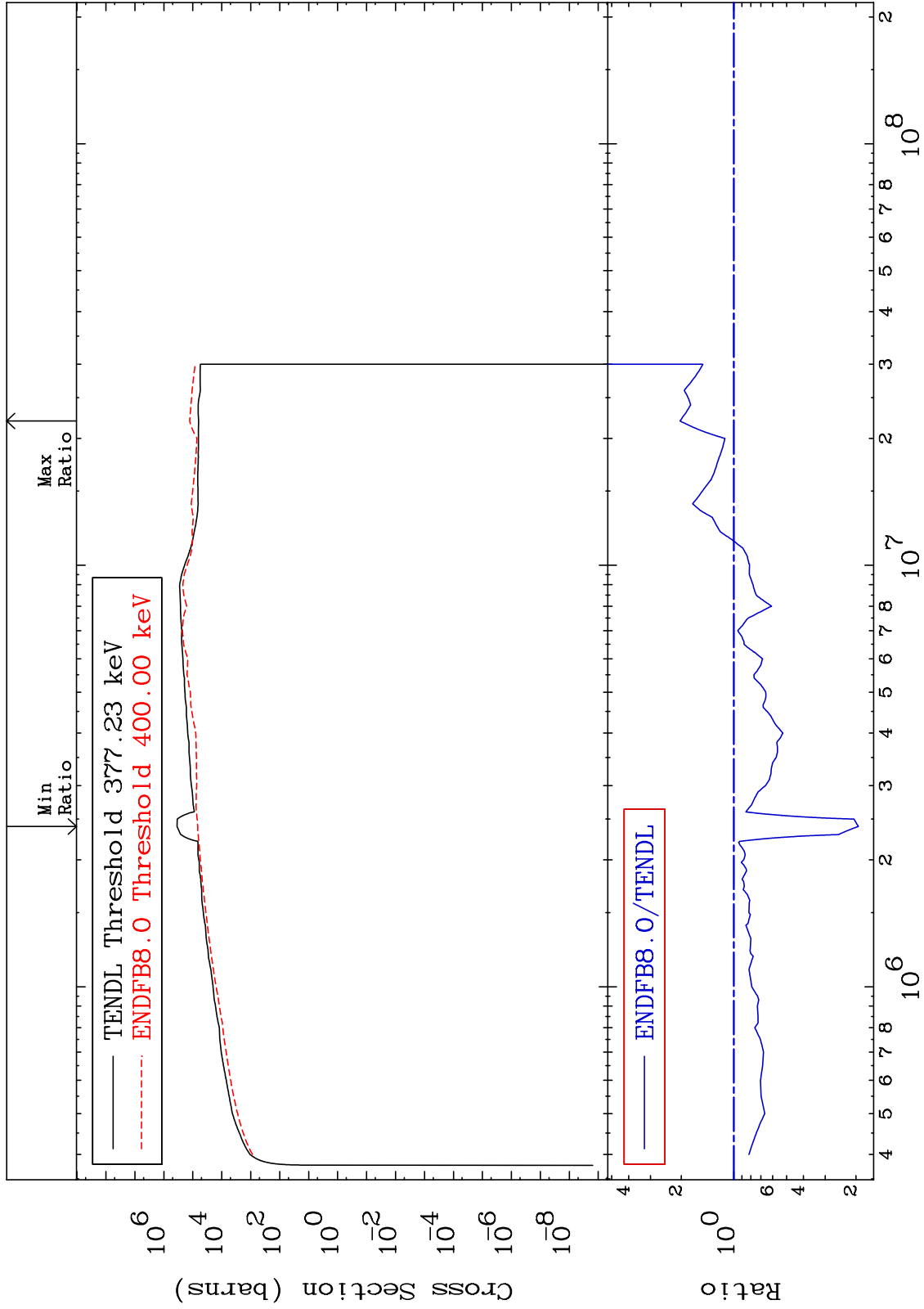
Incident Energy (eV)

46-Pd-110

MAT 4649

Kerma inelastic (mt51-91)
Cross Section

46-Pd-110
-80.62 To 103.4 %



47

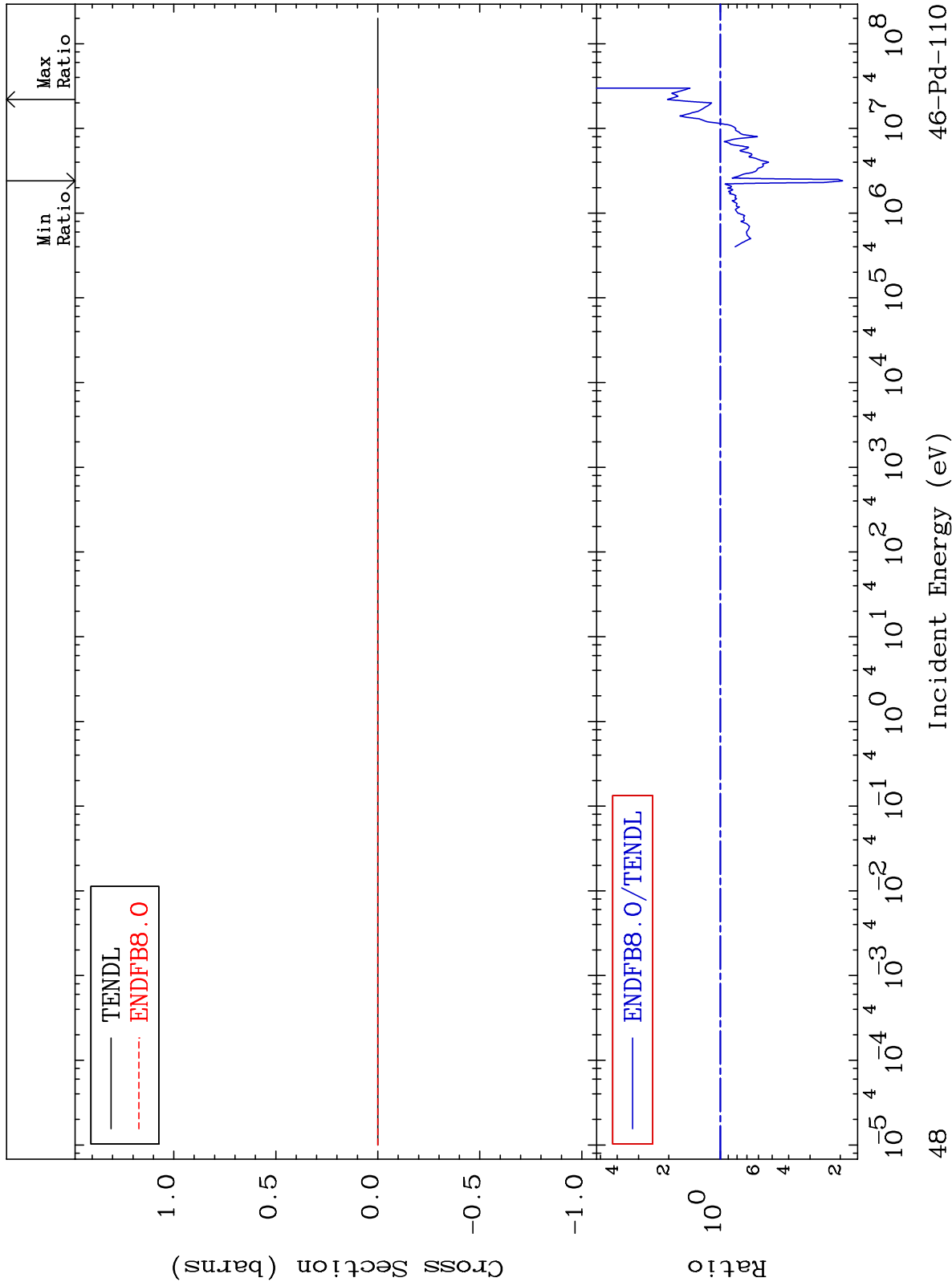
Incident Energy (eV)

46-Pd-110

MAT 4649

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

46-Pd-110
-80.62 To 103.4 %



48

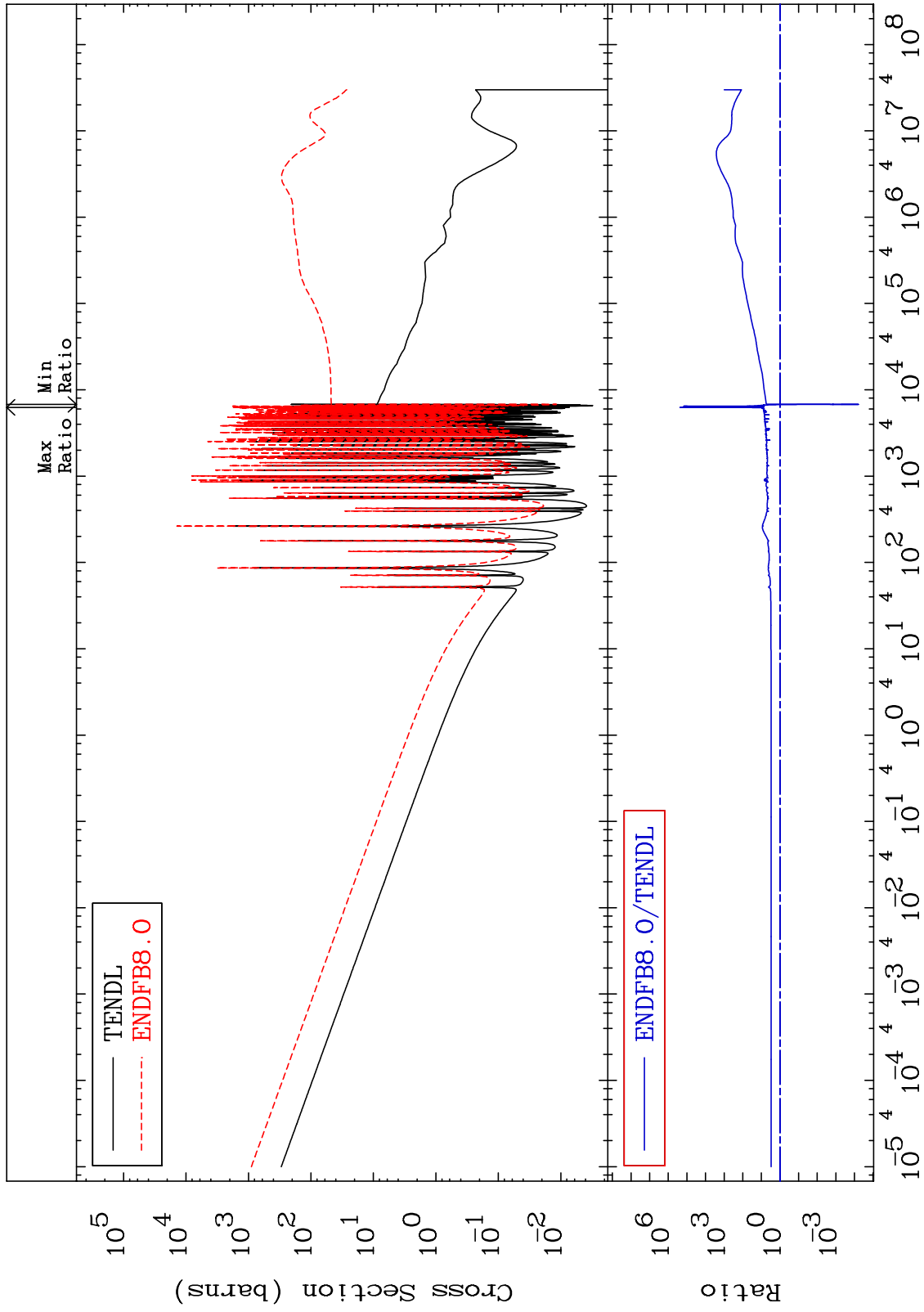
Incident Energy (eV)

46-Pd-110

MAT 4649

Kerma capture (mt102)
Cross Section

46-Pd-110
-99.99 To 9999. %



49

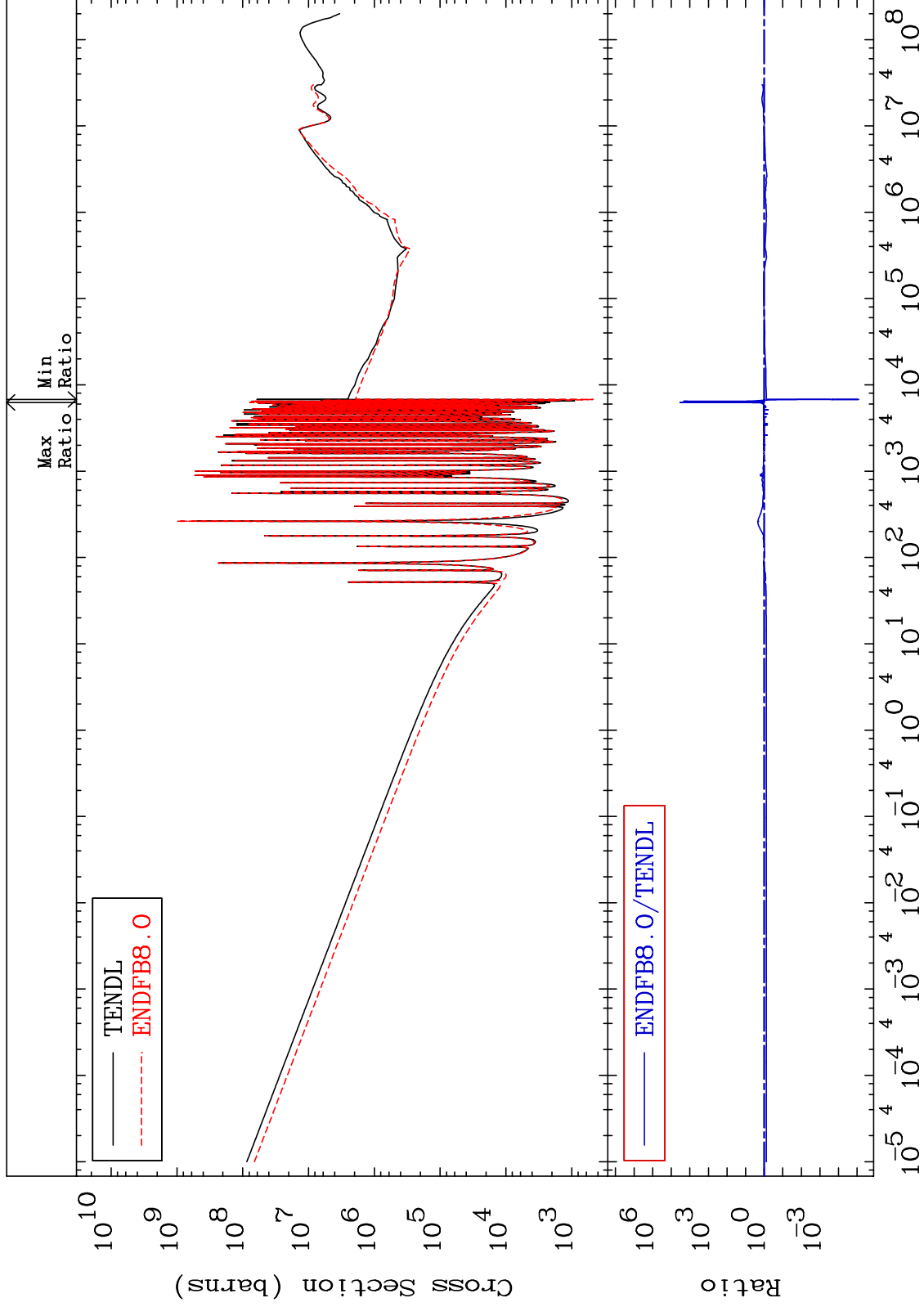
Incident Energy (eV)

46-Pd-110

MAT 4649

Total photon (eV-barns)
Cross Section

46-Pd-110
-100.0 To 9999. %



50

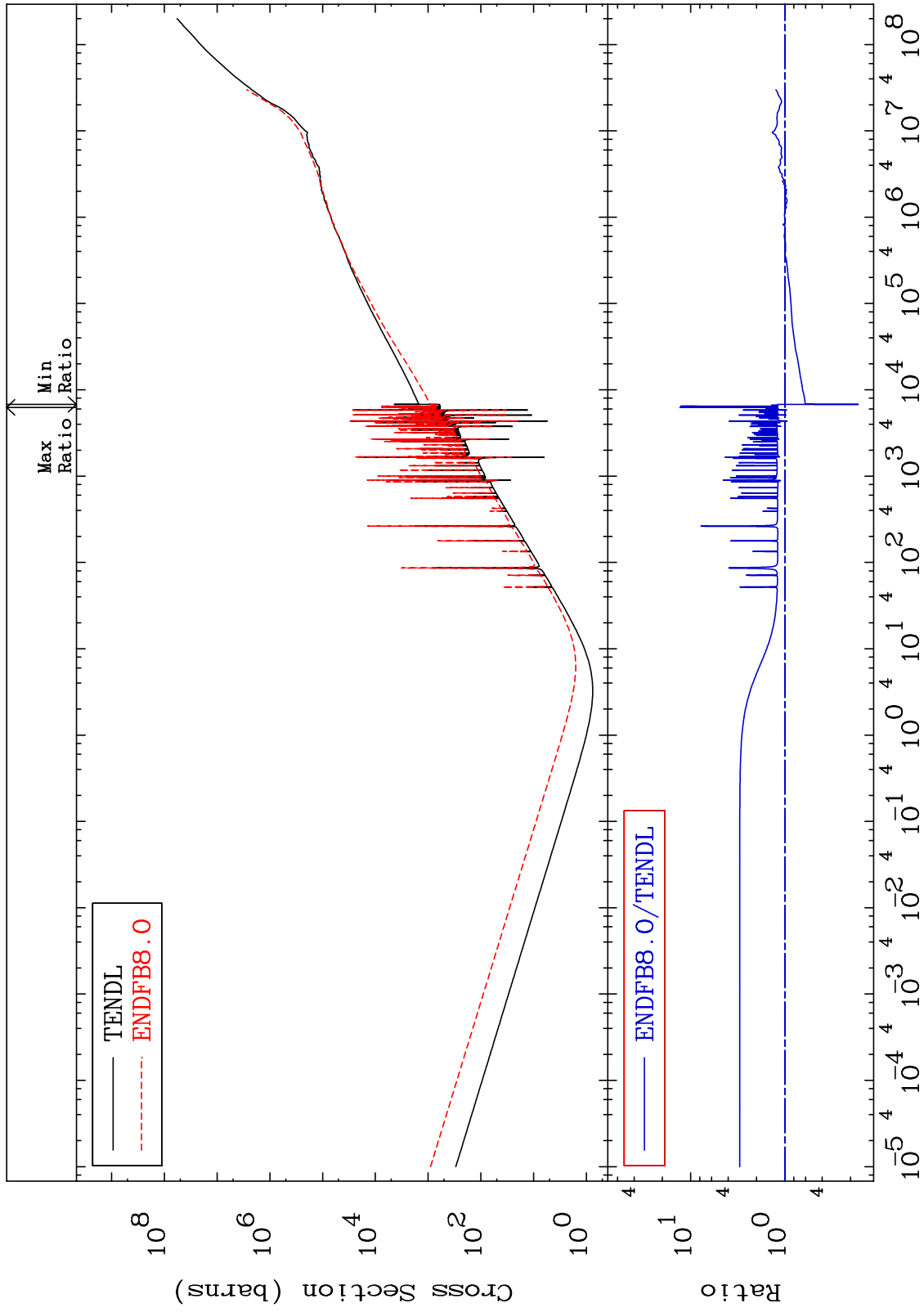
Incident Energy (eV)

46-Pd-110

MAT 4649

Total kinematic kerma (high limit)
Cross Section

46-Pd-110
-83.52 To 1199. %



51

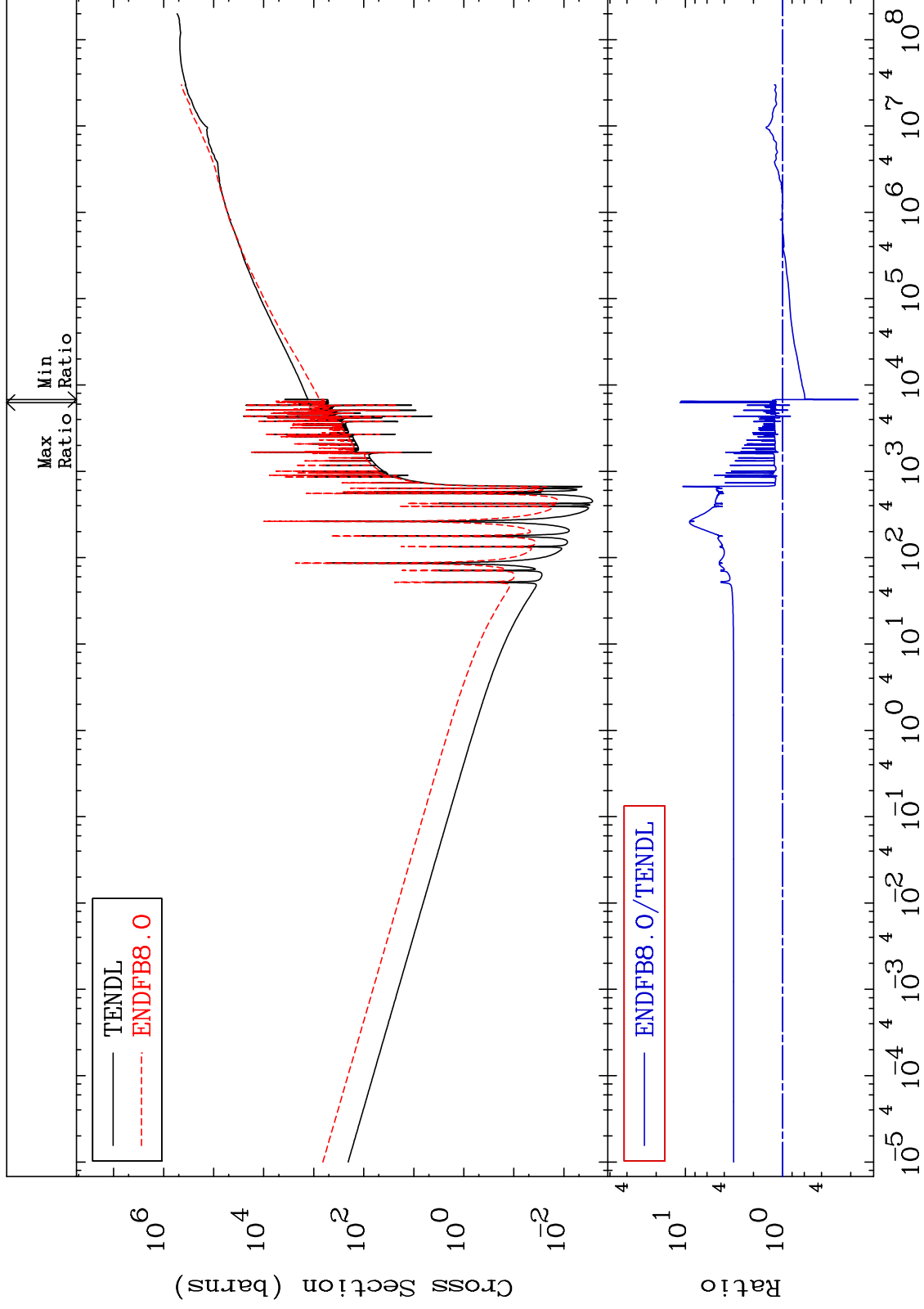
Incident Energy (eV)

46-Pd-110

MAT 4649

Dpa total (eV-barns)
Cross Section

46-Pd-110
-83.34 To 1038. %



52

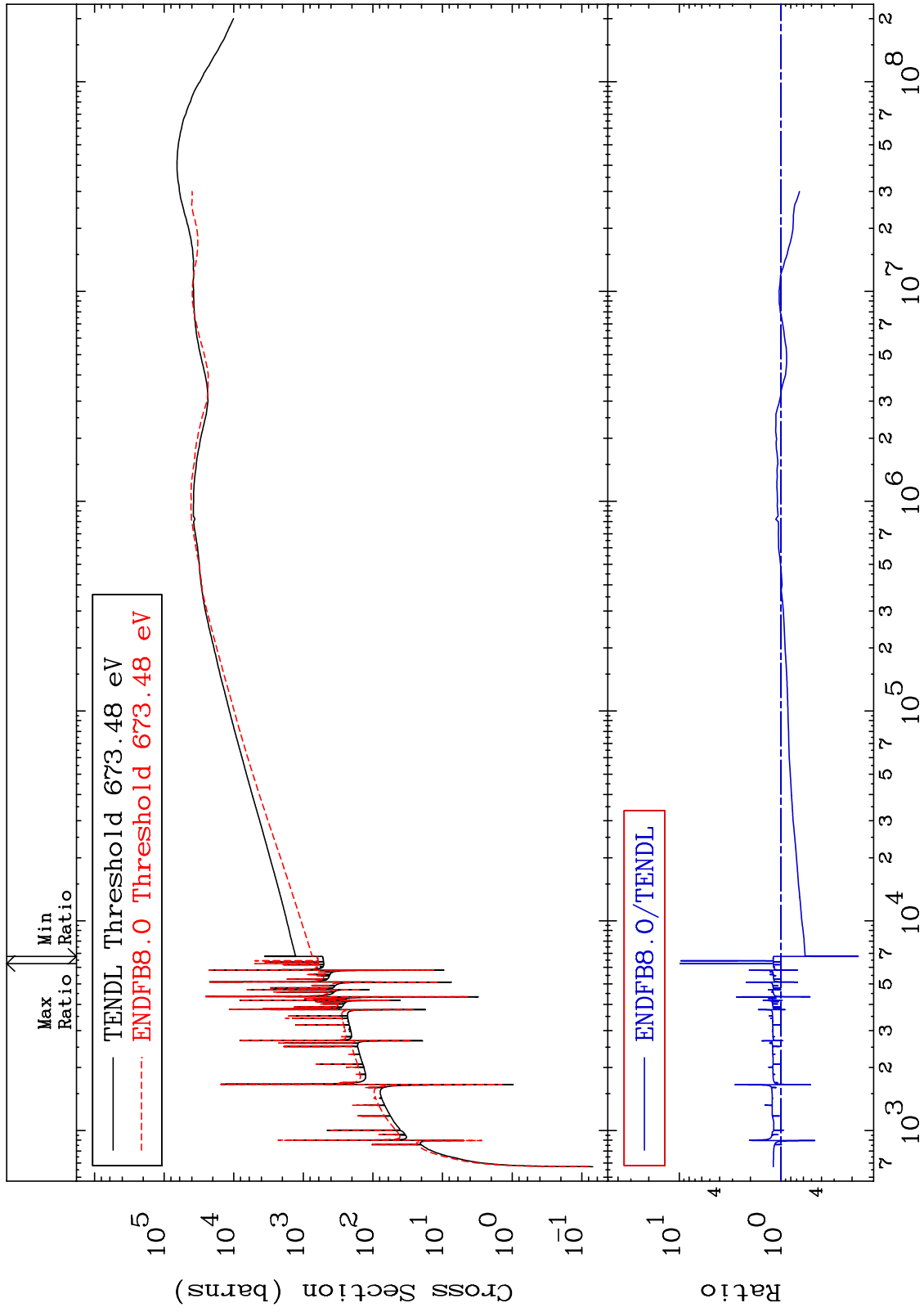
Incident Energy (eV)

46-Pd-110

MAT 4649

Dpa elastic (mt2)
Cross Section

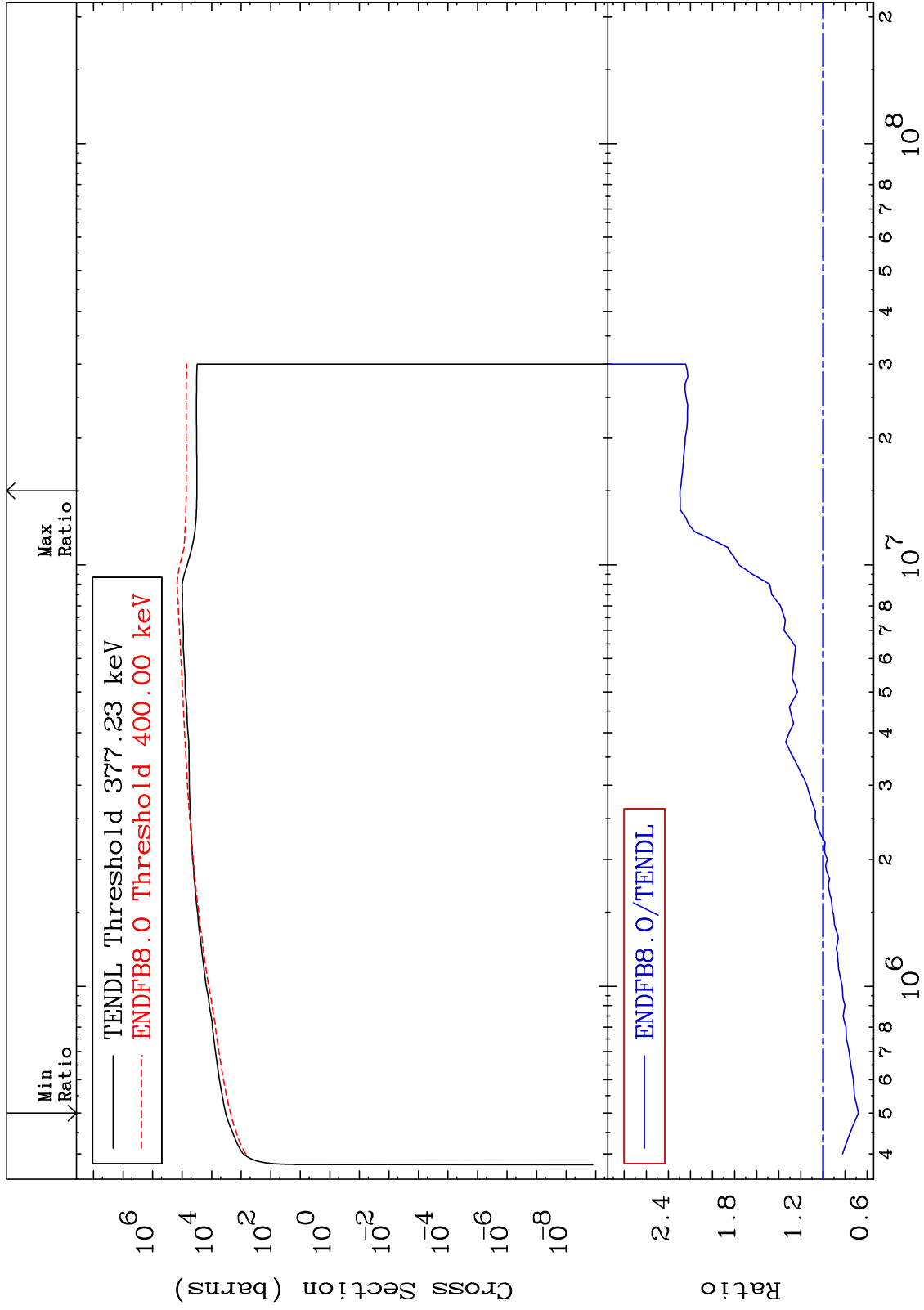
46-Pd-110
-82.70 To 883.7 %



MAT 4649

Dpa inelastic (mt51-91)
Cross Section

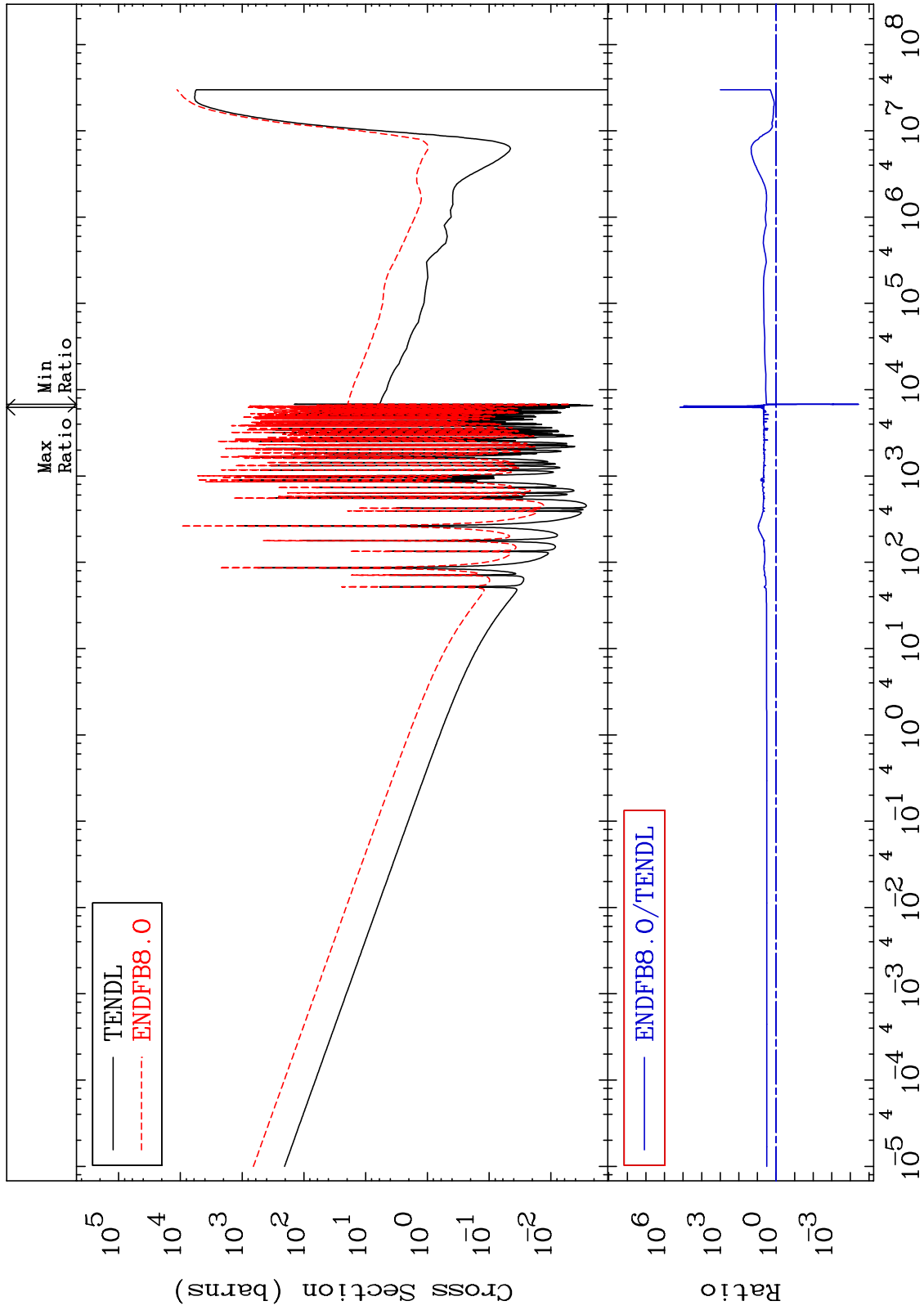
46-Pd-110
-32.11 To 129.5 %



MAT 4649

Dpa disappearance (mt102 -120)
Cross Section

46-Pd-110
-100.0 To 9999. %



55

Incident Energy (eV)

46-Pd-110