

Program Complot
(Version 2021-1)

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

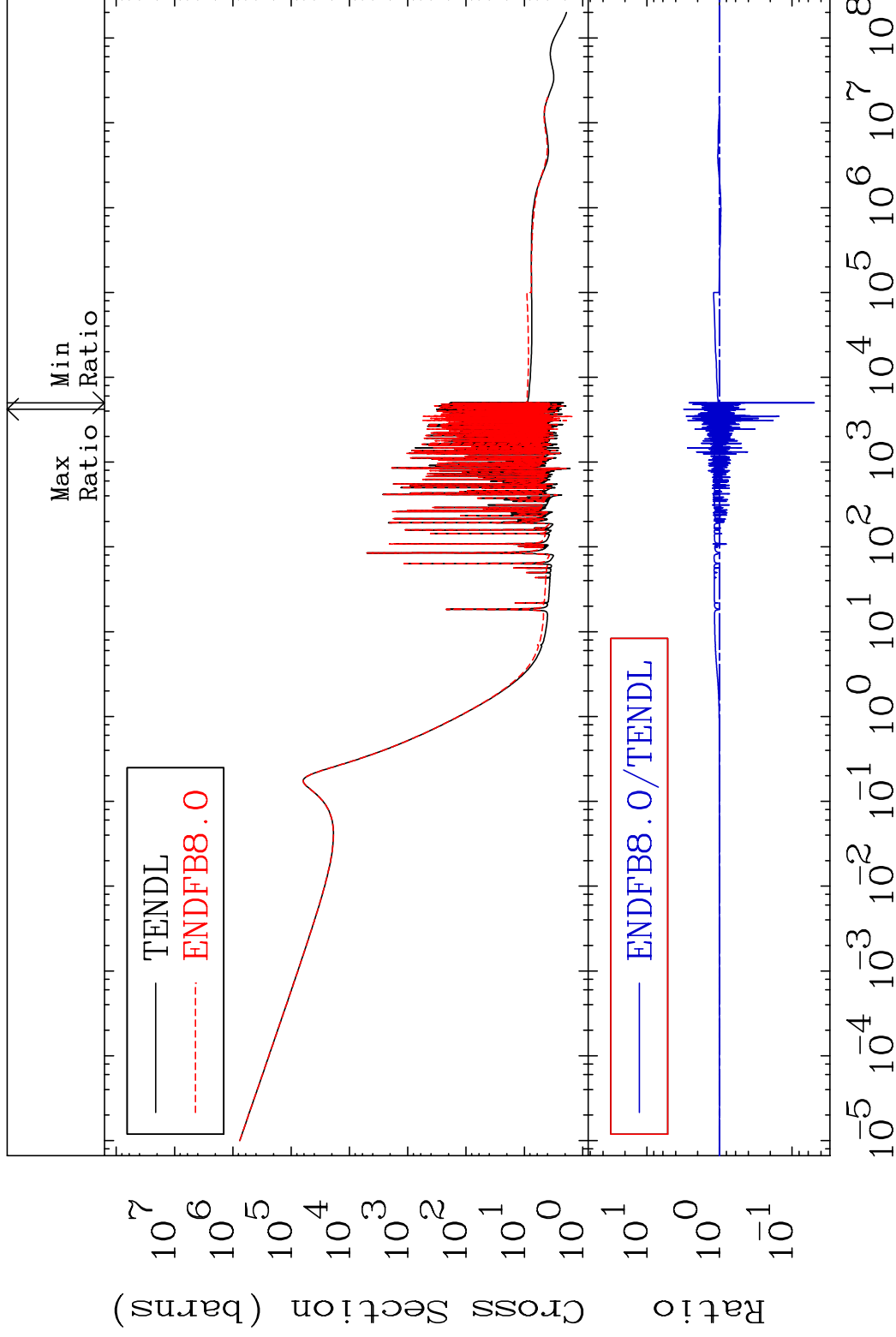
MAT 4846

Total

48-Cd-113

Cross Section

-95.03 To 211.1 %



1

Incident Energy (eV)

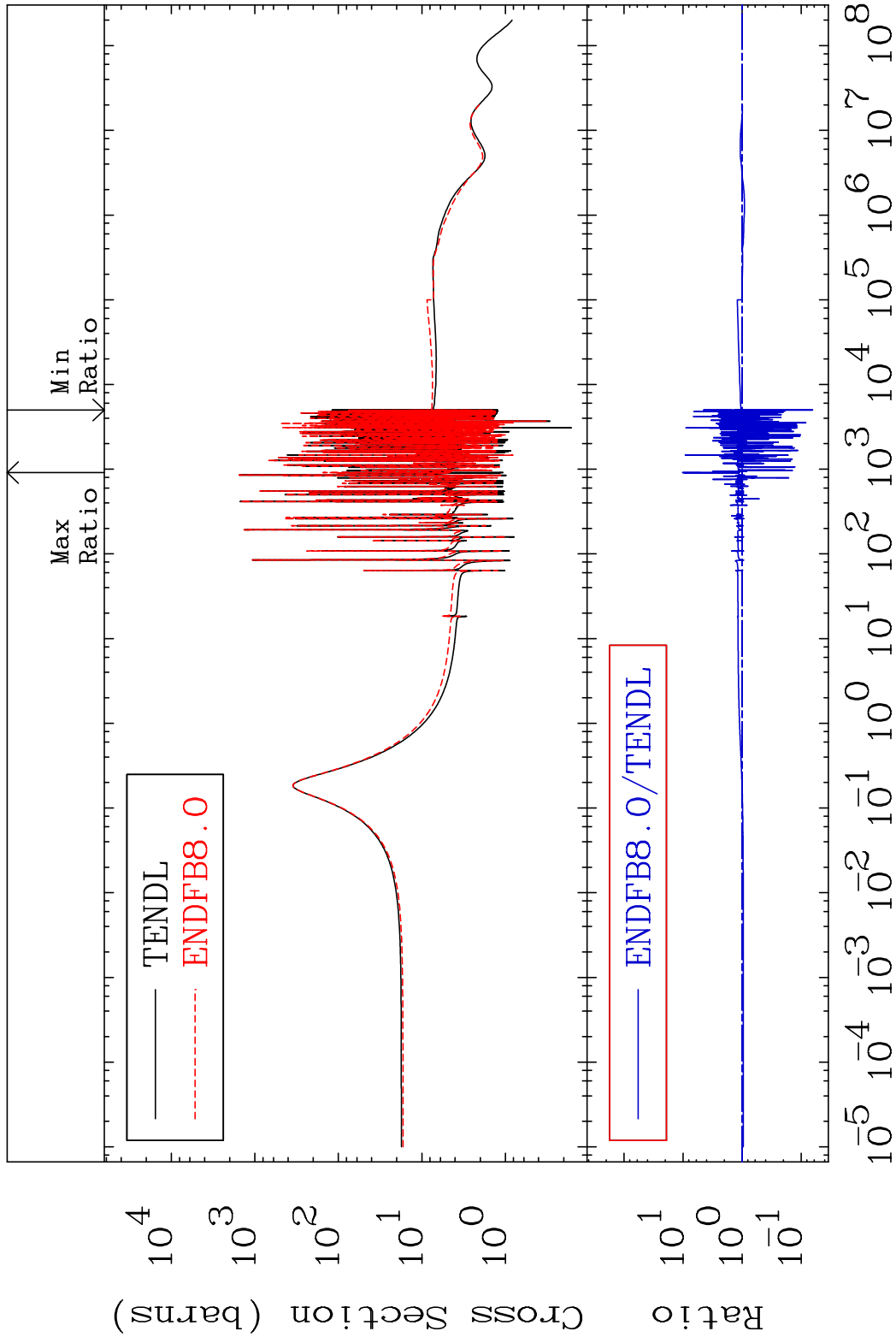
48-Cd-113

MAT 4846

Elastic

48-Cd-113

Cross Section -93.60 To 929.7 %

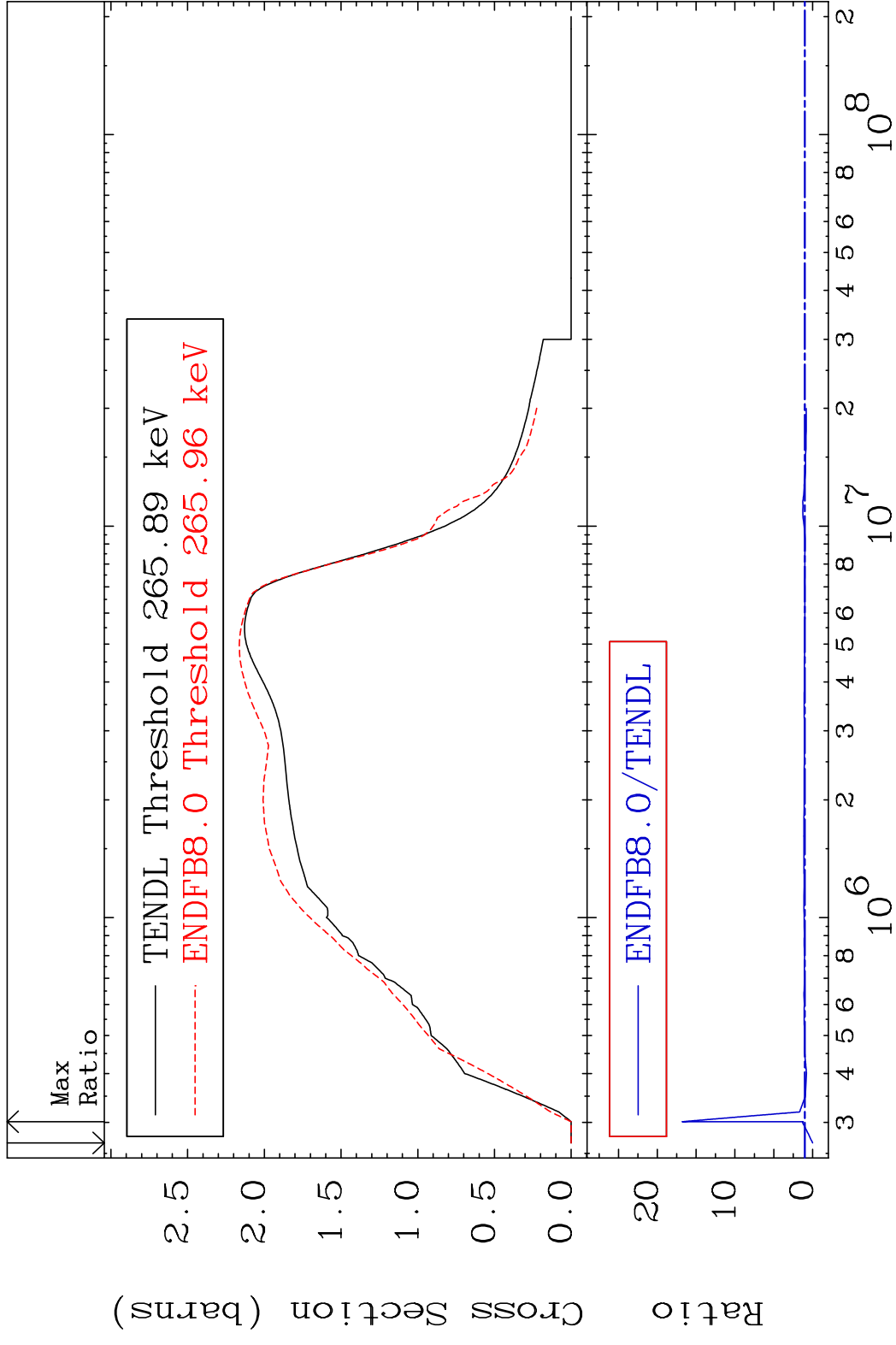


2

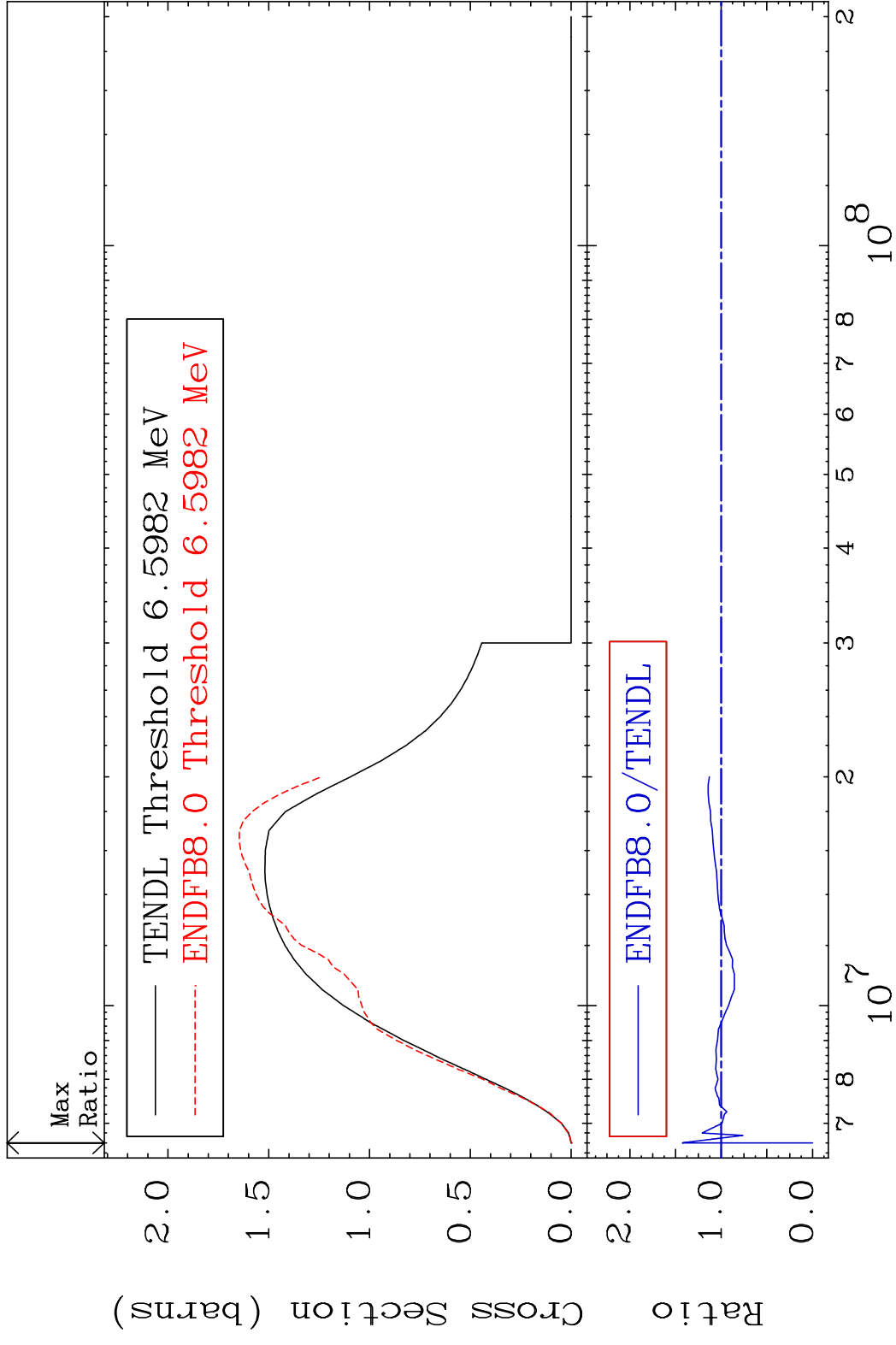
Incident Energy (eV)

48-Cd-113

MAT 4846 Inelastic 48-Cd-113
 Cross Section -100.0 To 1578. %



MAT 4846 (n,2n) 48-Cd-113
 Cross Section -100.0 To 42.52 %

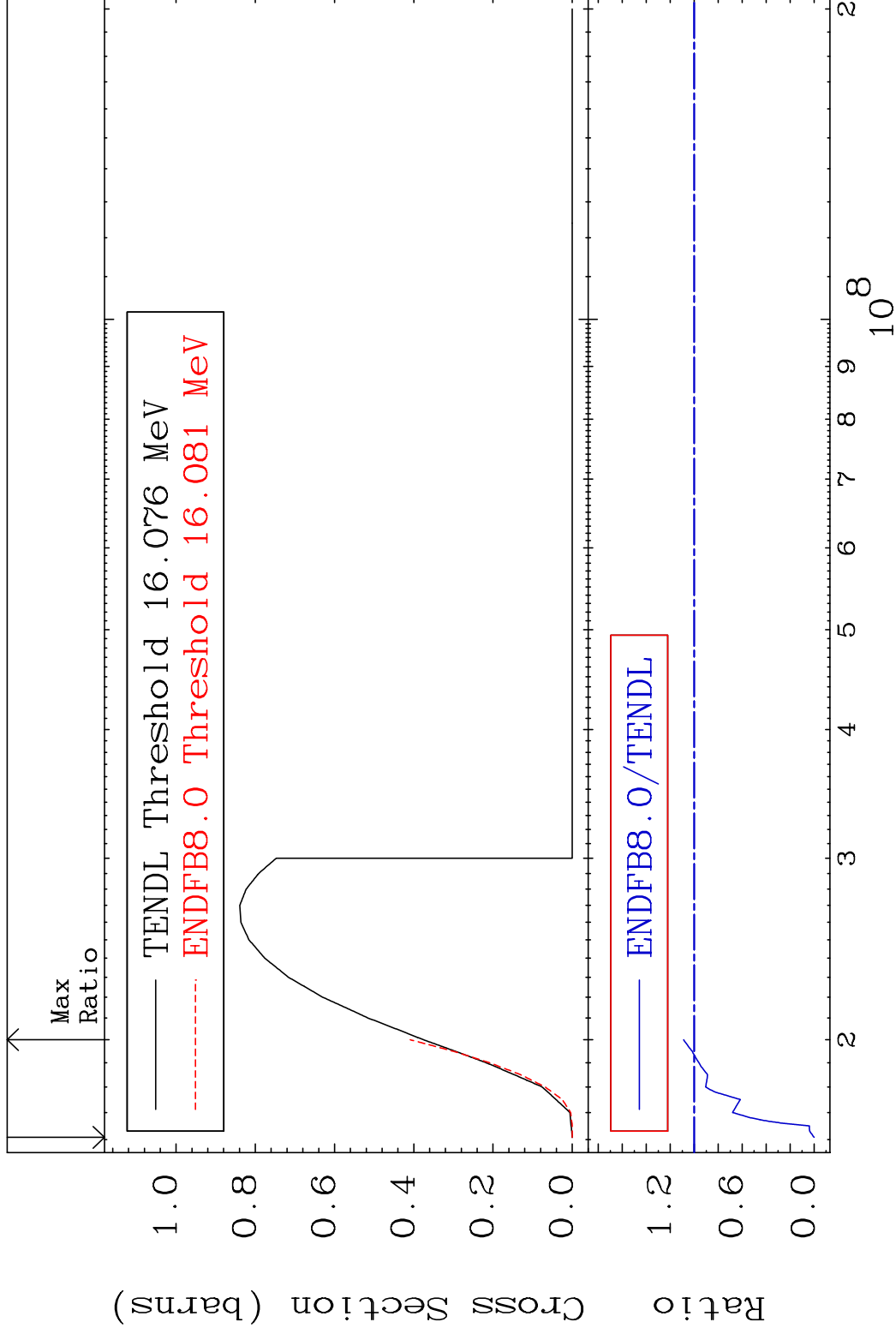


MAT 4846

(n,3n)

48-Cd-113

Cross Section -100.0 To 8.824 %



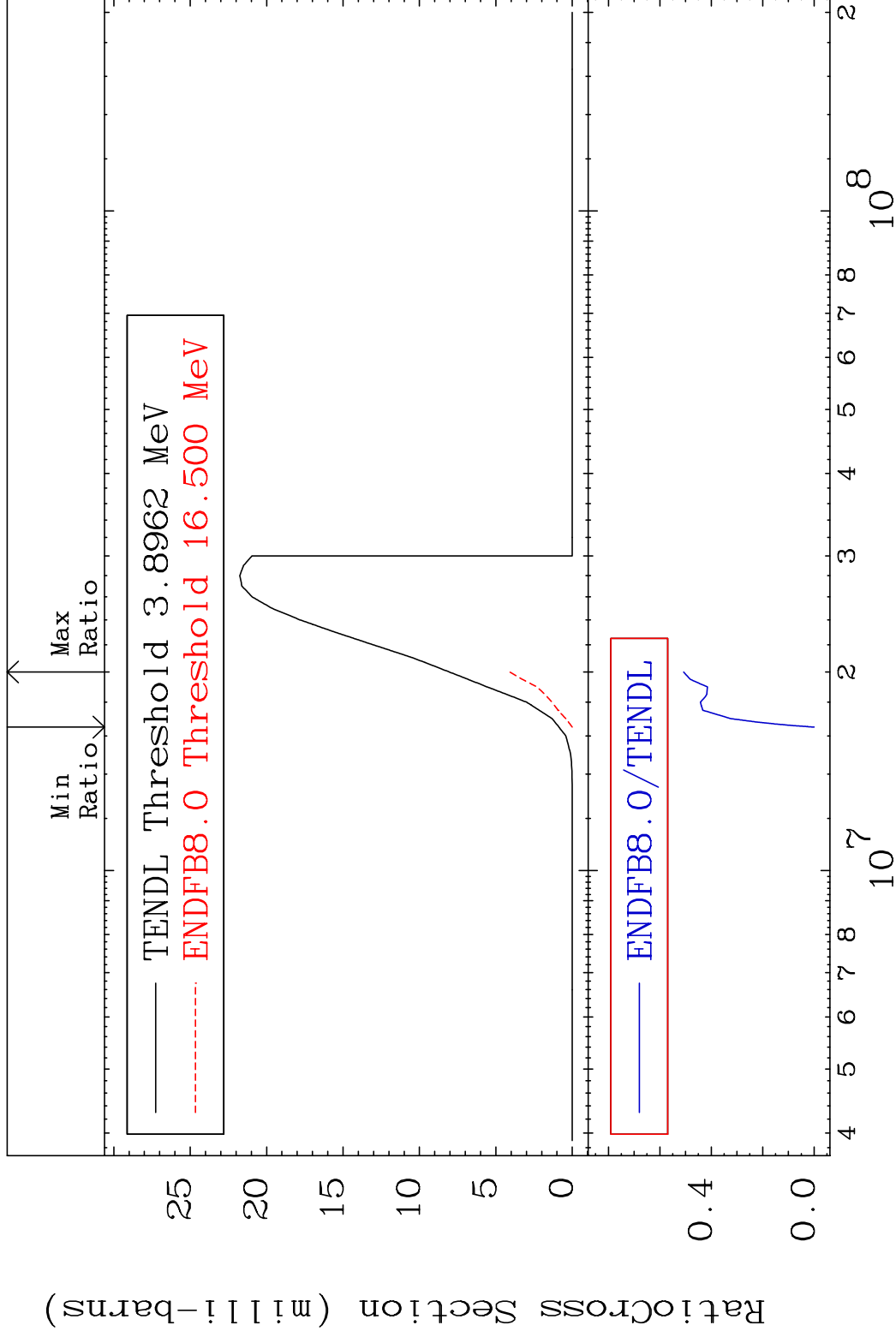
5

Incident Energy (eV)

48-Cd-113

MAT 4846

(n, n') α 48-Cd-113
Cross Section -100.0 To -49.26%



6

Incident Energy (eV)

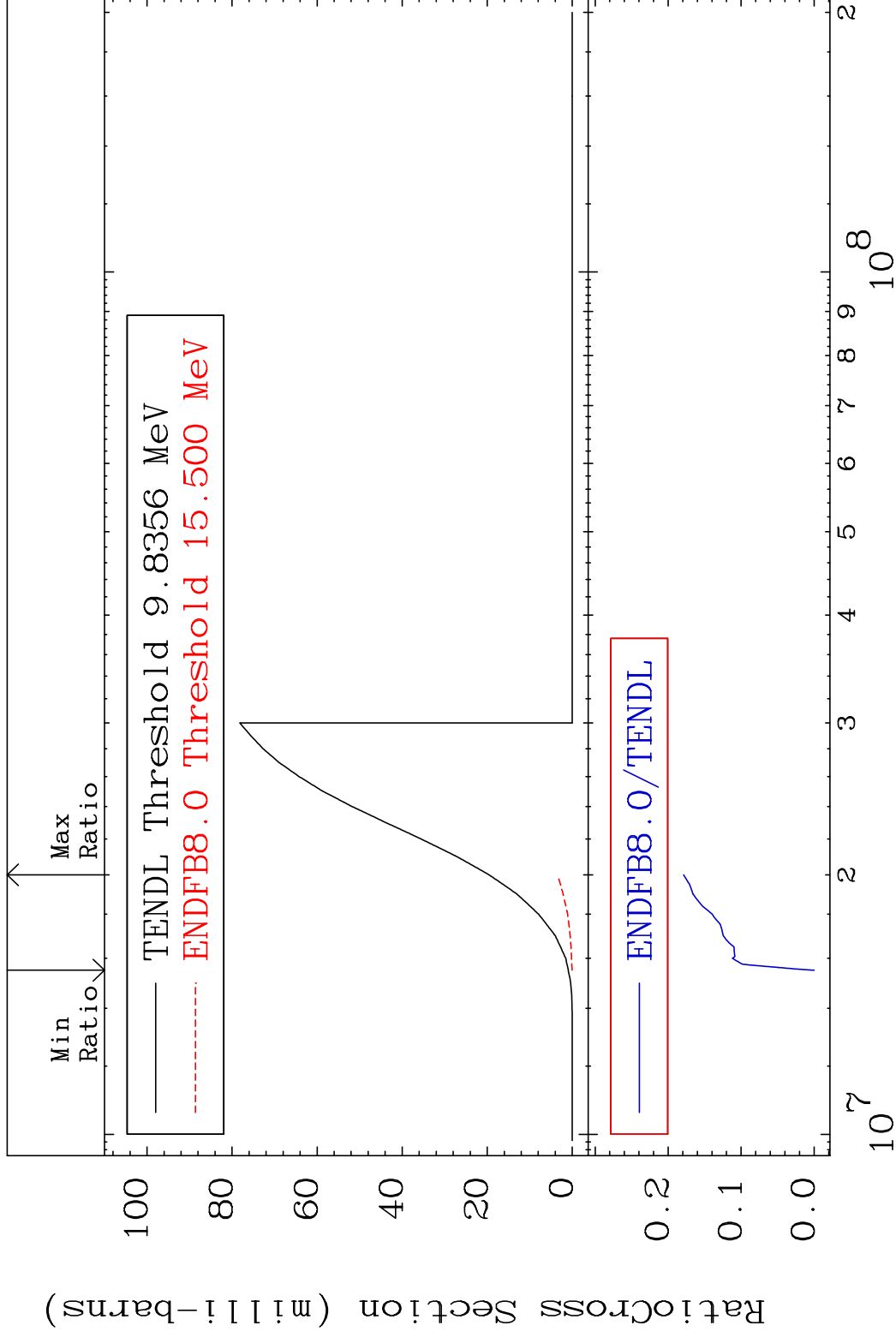
48-Cd-113

MAT 4846

(n, n') p

48-Cd-113

Cross Section -100.0 To -82.12%

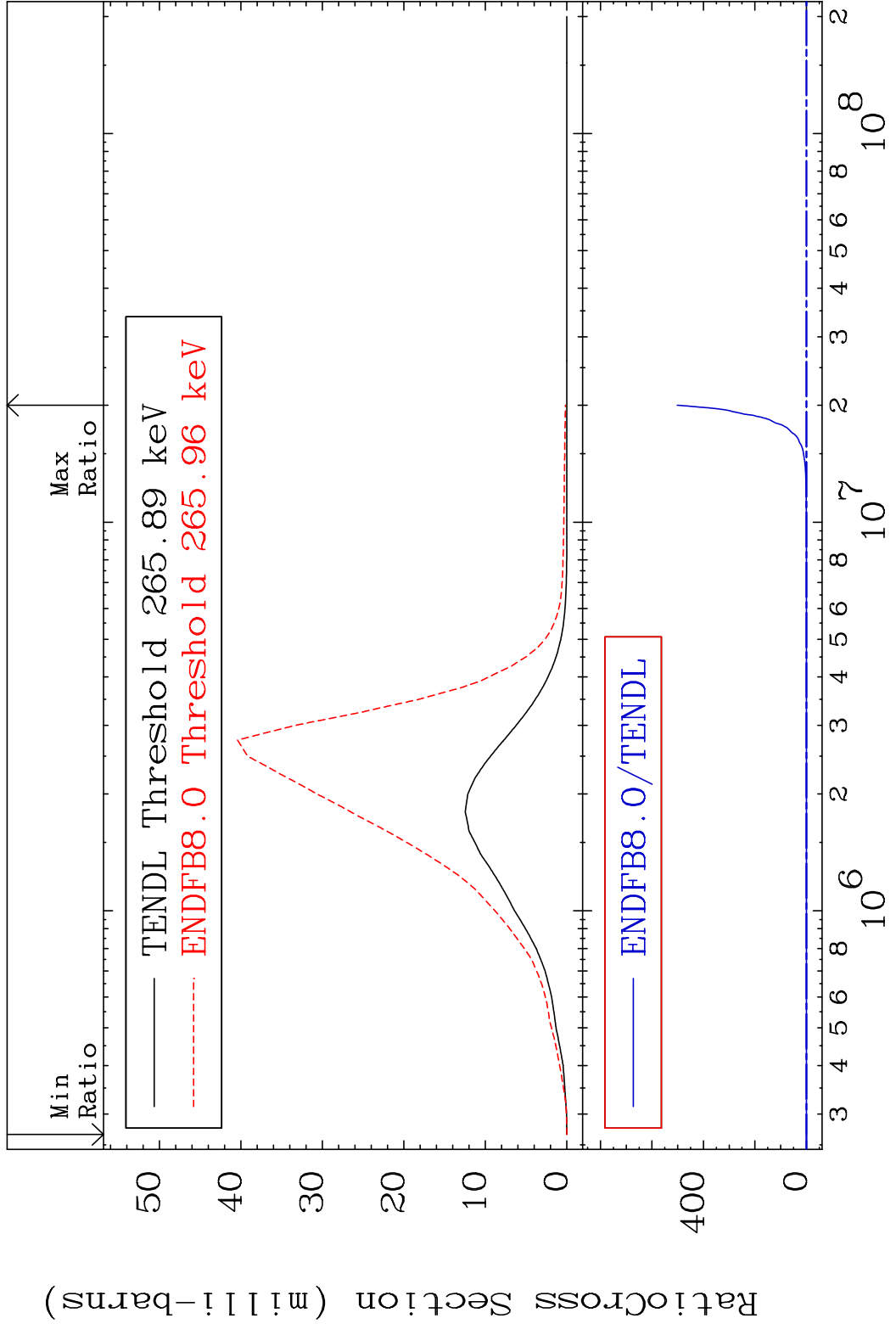


7

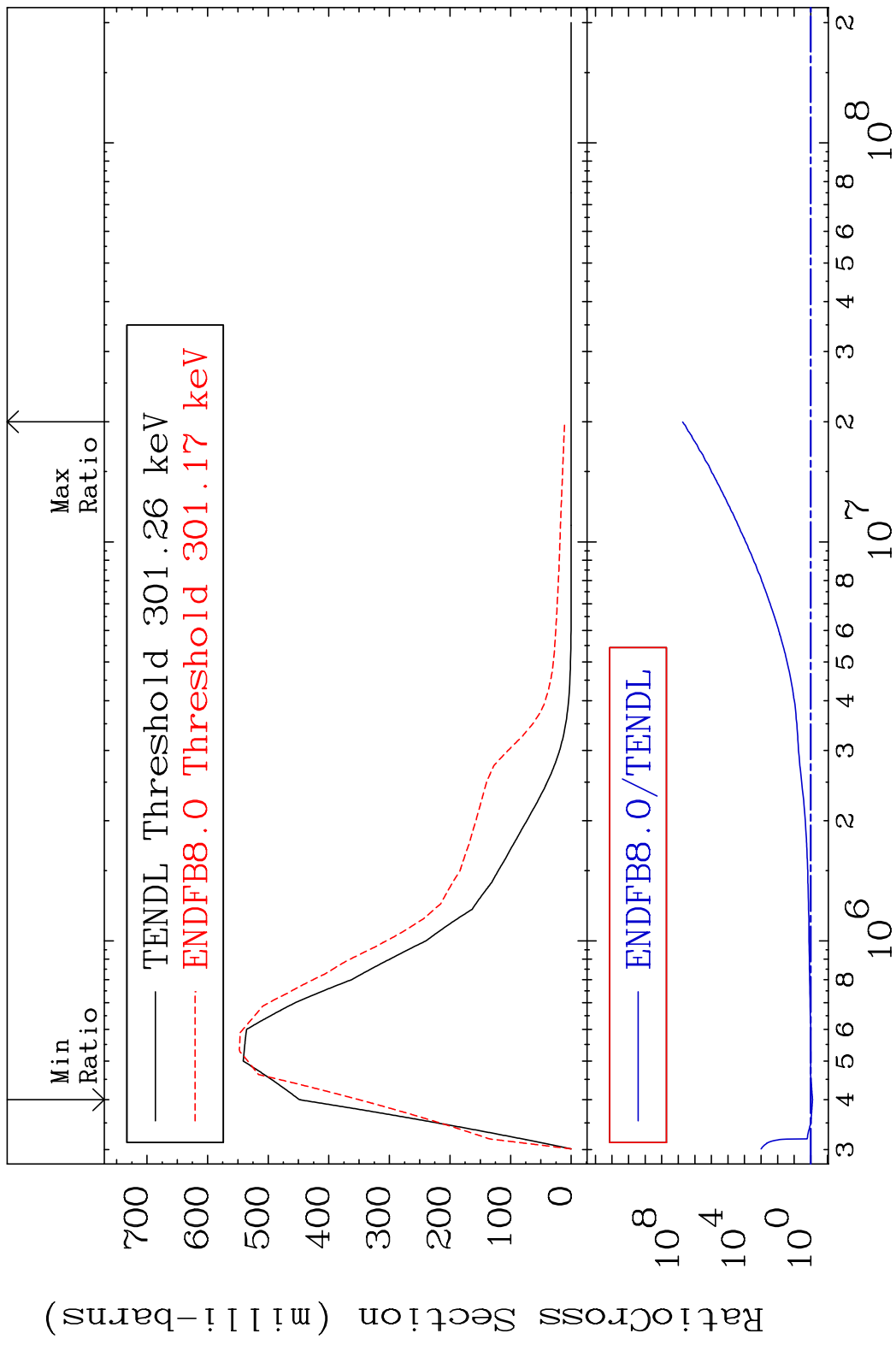
Incident Energy (eV)

48-Cd-113

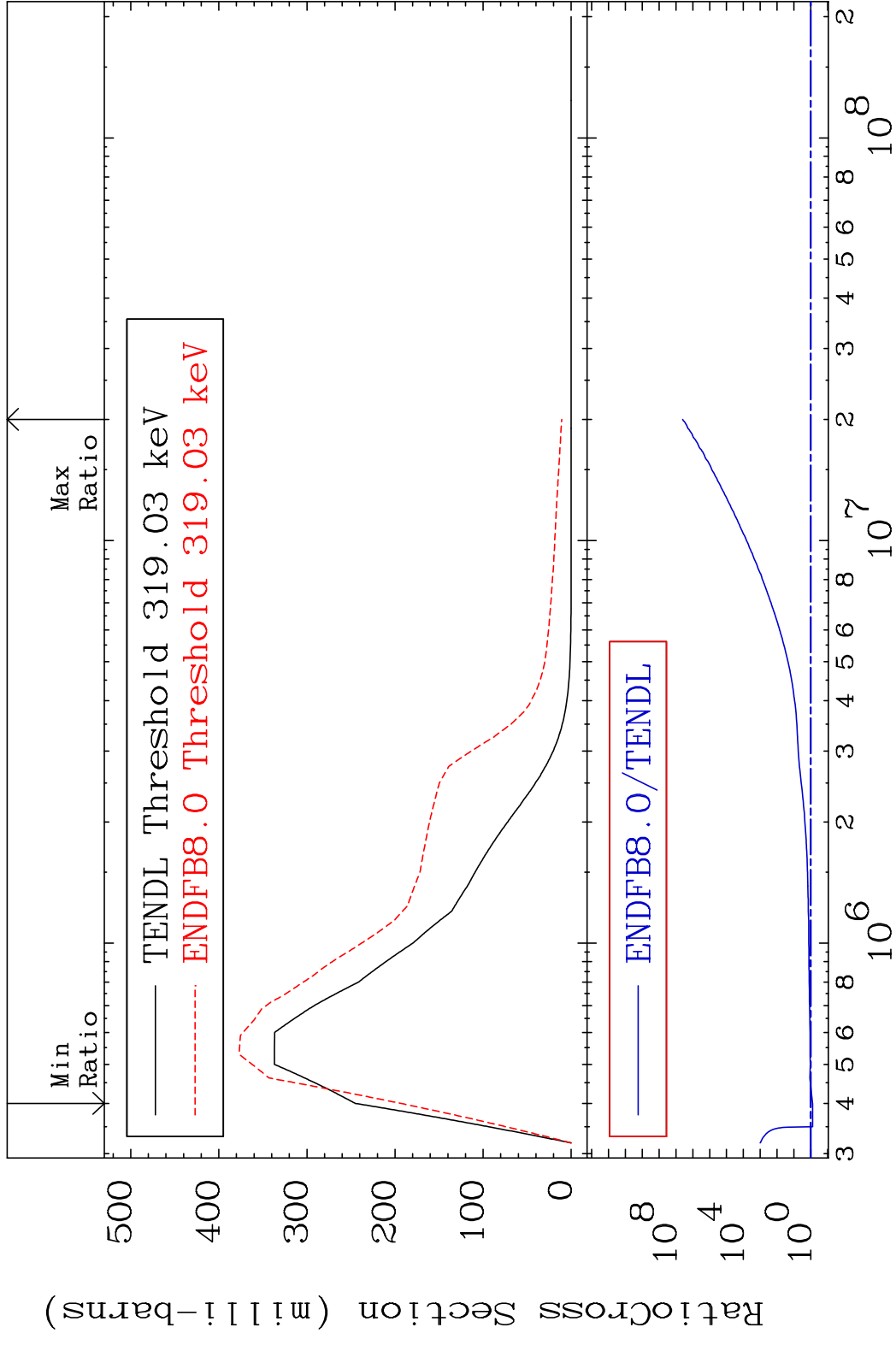
MAT 4846 MT= 51 (n,n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



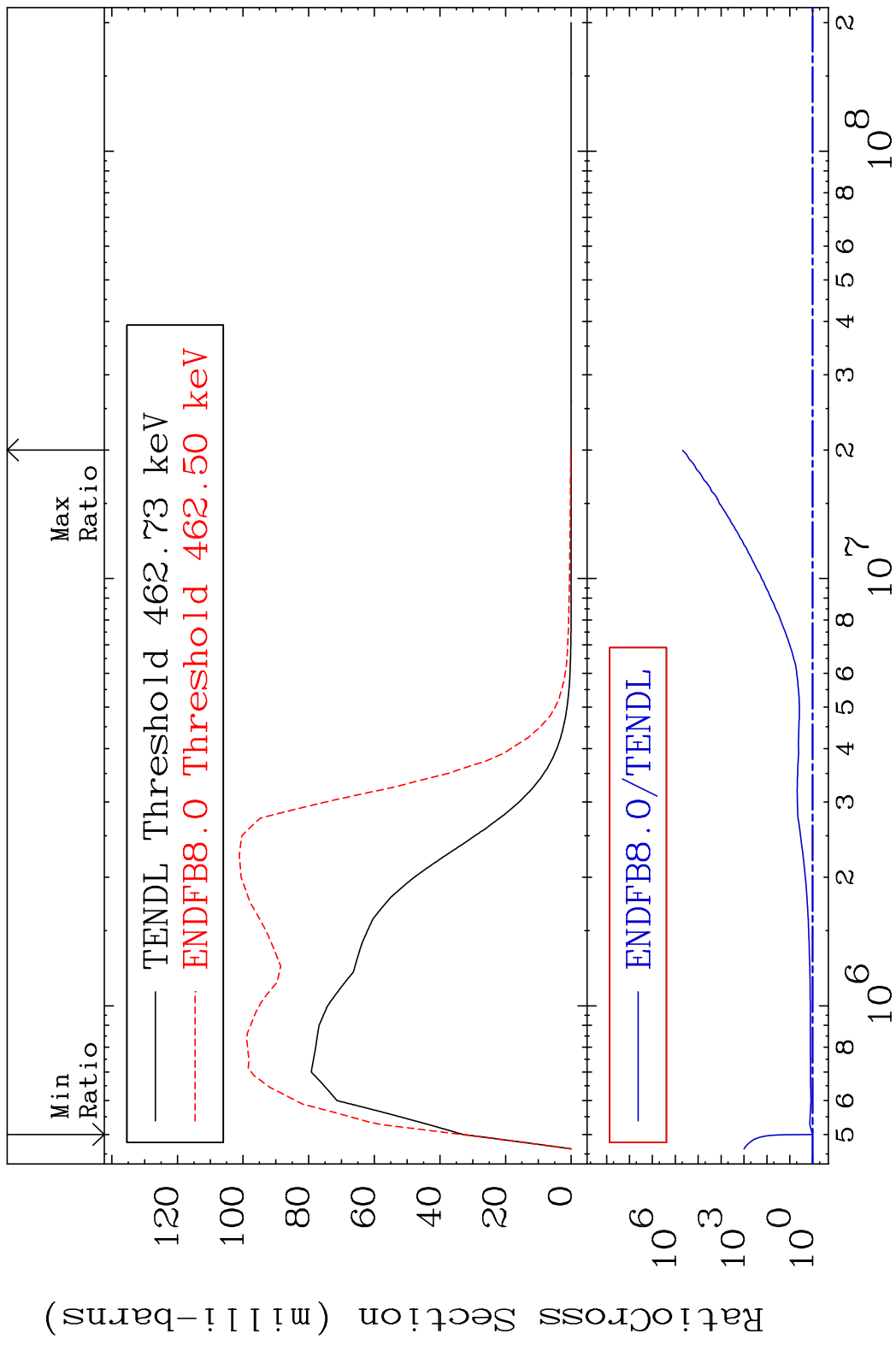
MAT 4846 MT= 52 (n,n') Level 48-Cd-113
 Cross Section -21.97 To 9999. %



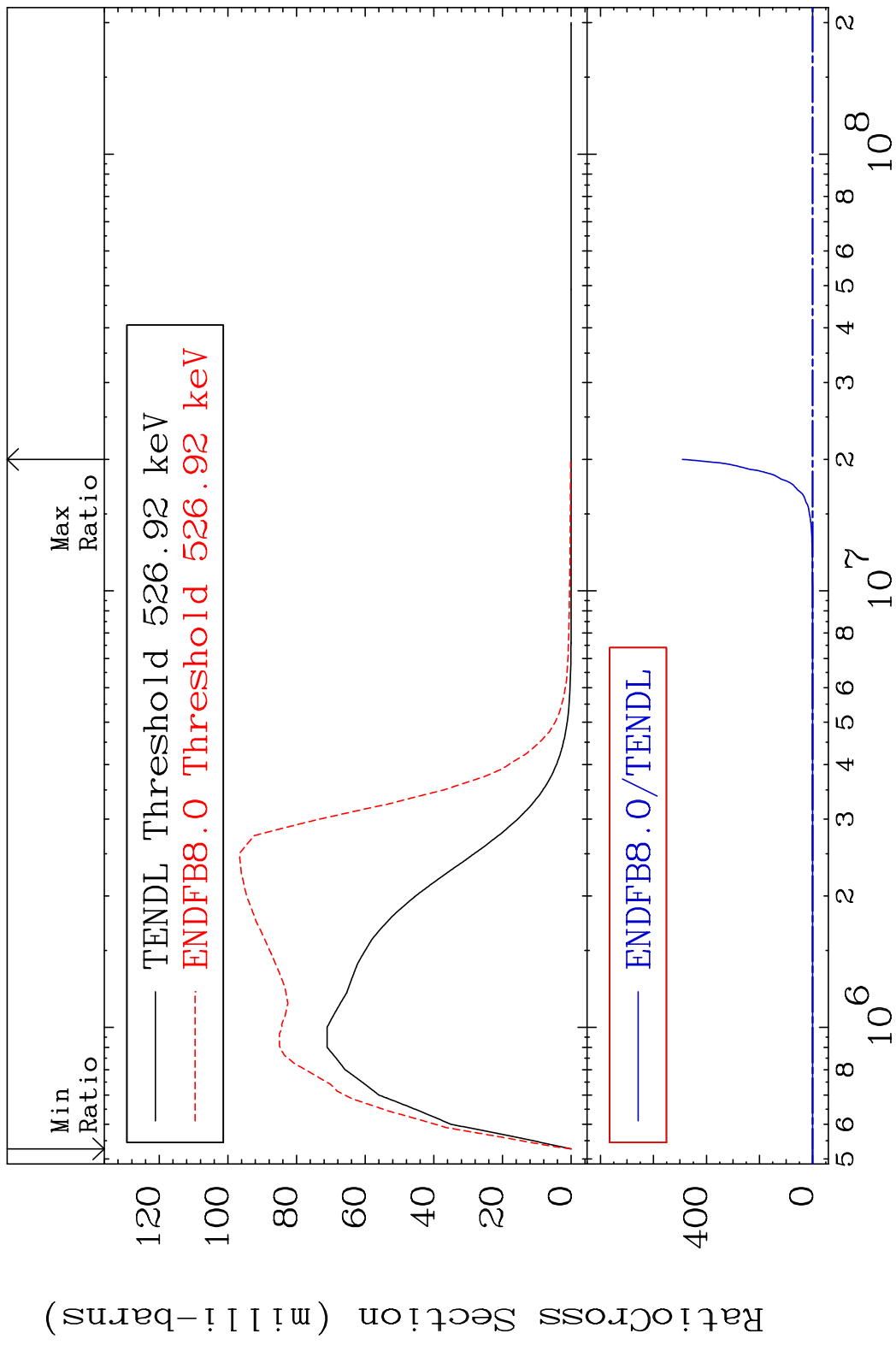
MAT 4846 MT= 53 (n, n') Level 48-Cd-113
 Cross Section -20.98 To 9999. %



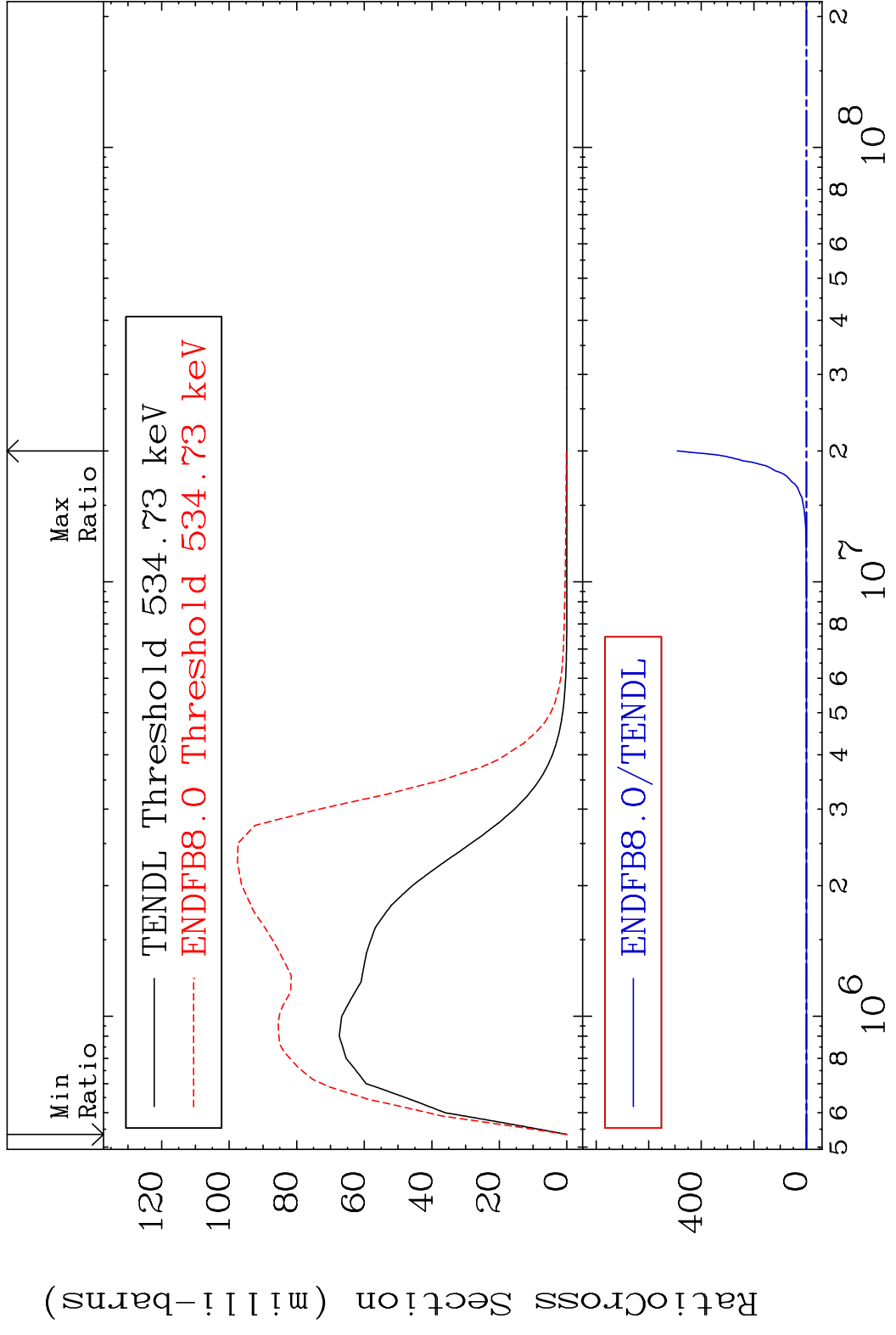
MAT 4846 MT= 54 (n, n') Level 48-Cd-113
 Cross Section 1.535 To 9999. %



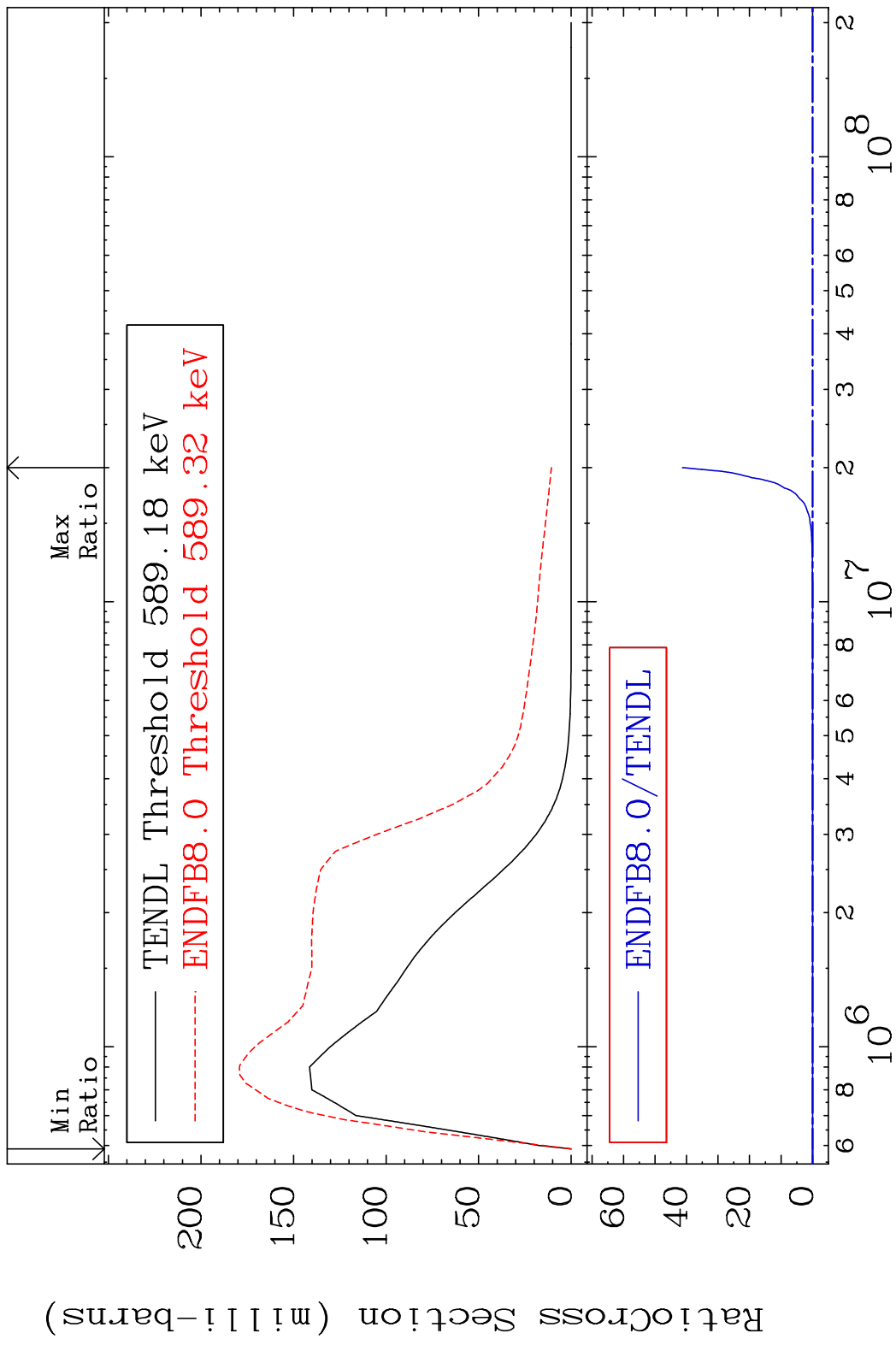
MAT 4846 MT= 55 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



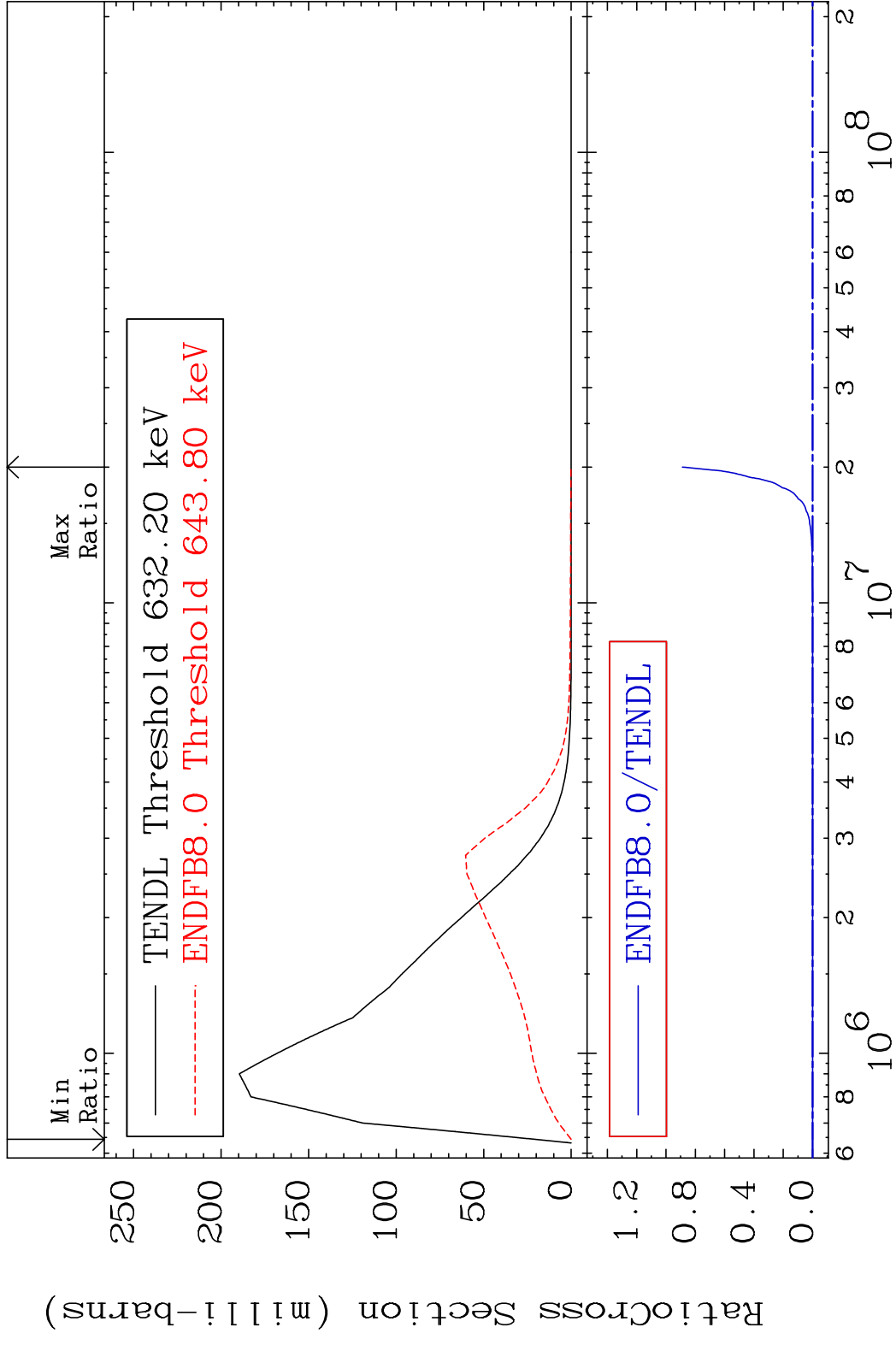
MAT 4846 MT= 56 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



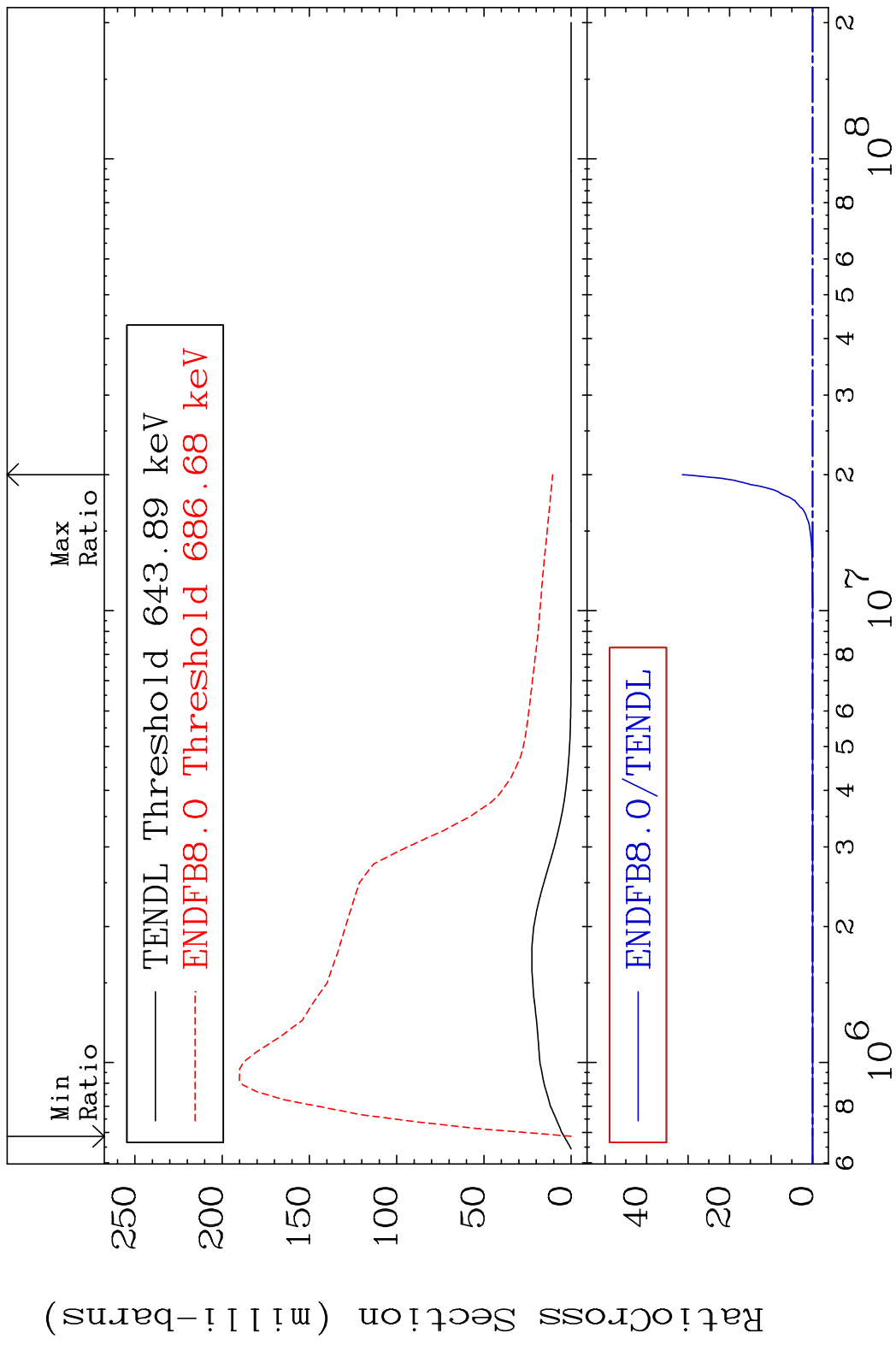
MAT 4846 MT= 57 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



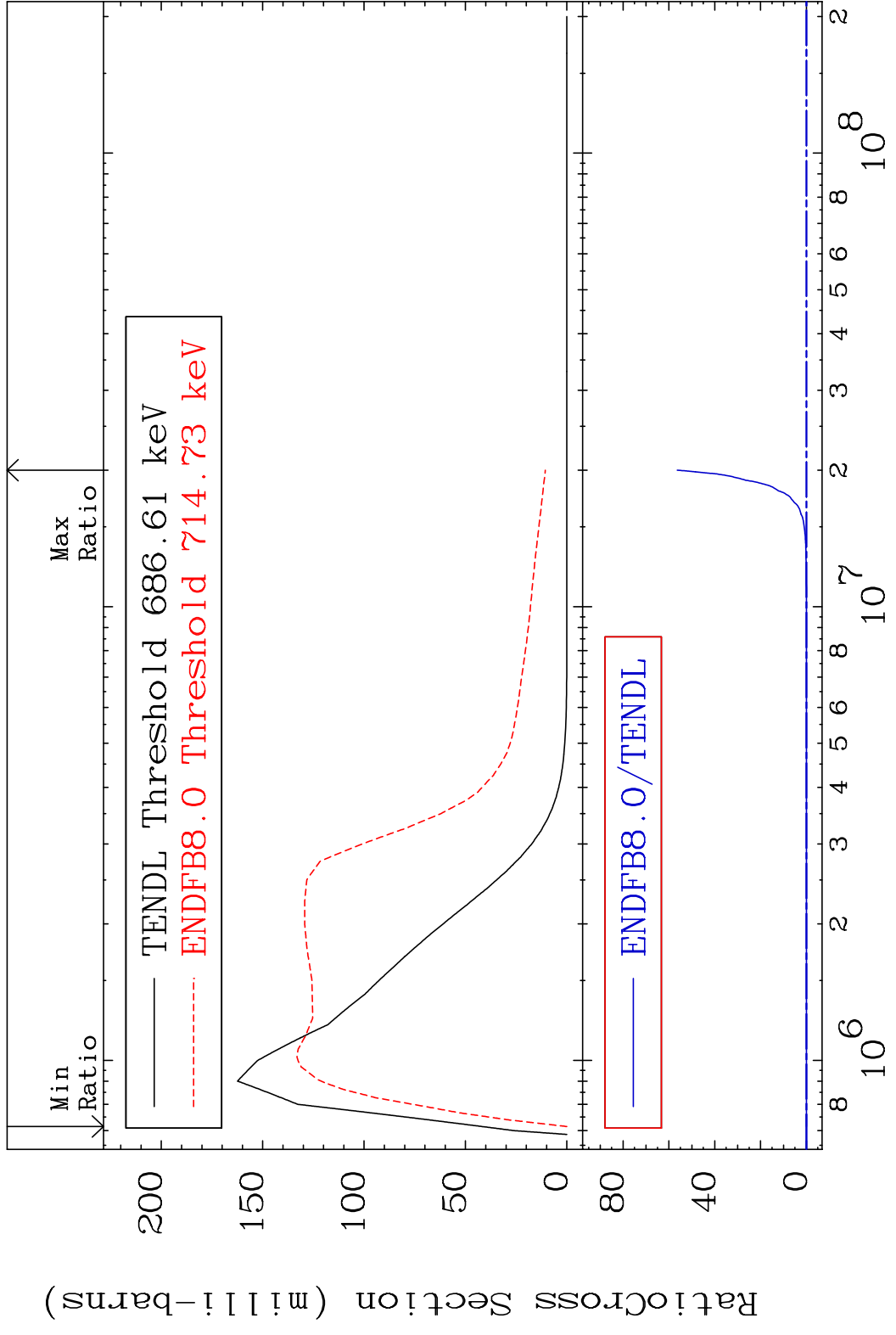
MAT 4846 MT= 58 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



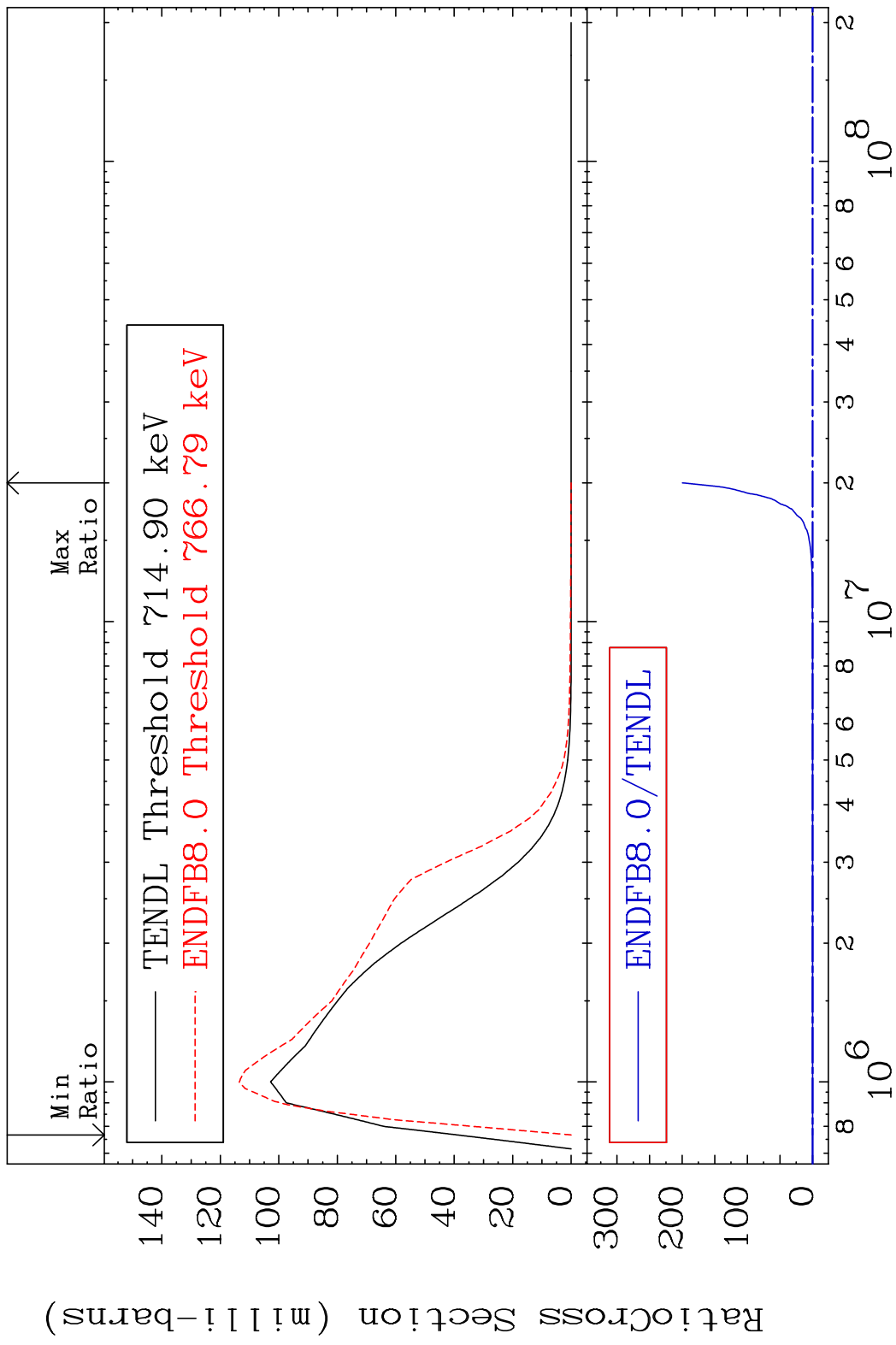
MAT 4846 MT= 59 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



MAT 4846 MT= 60 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

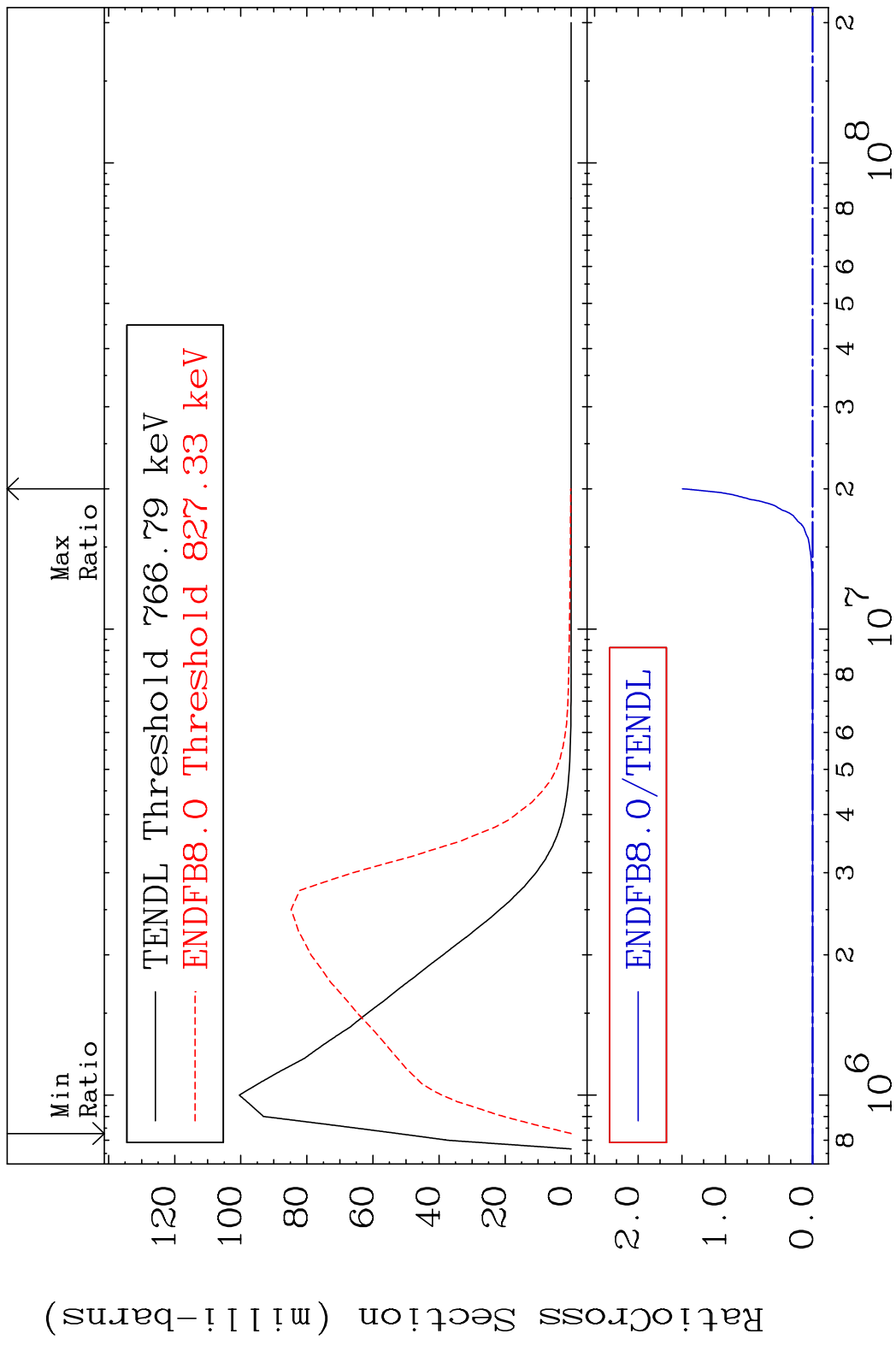


MAT 4846 MT= 61 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



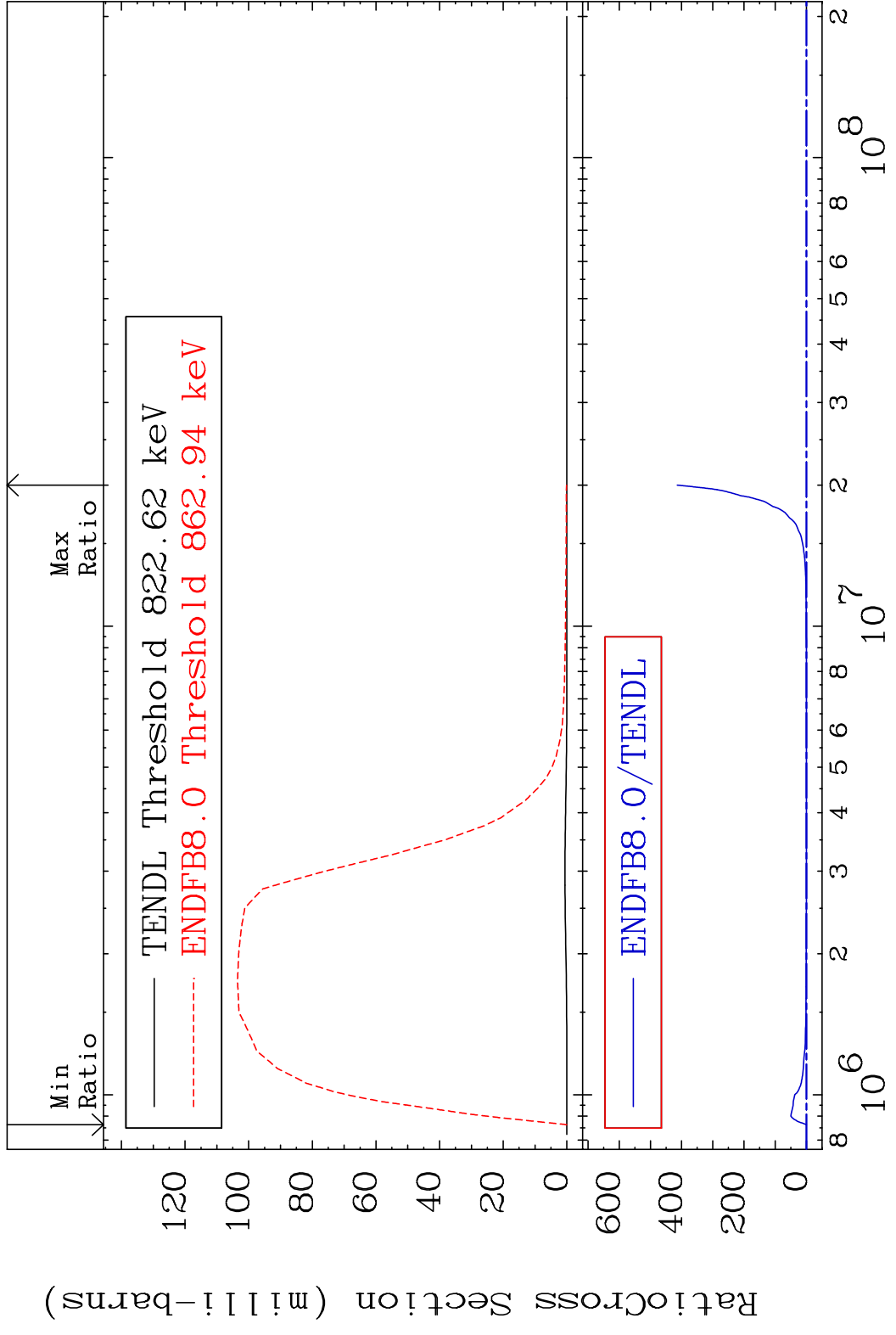
18 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 62 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



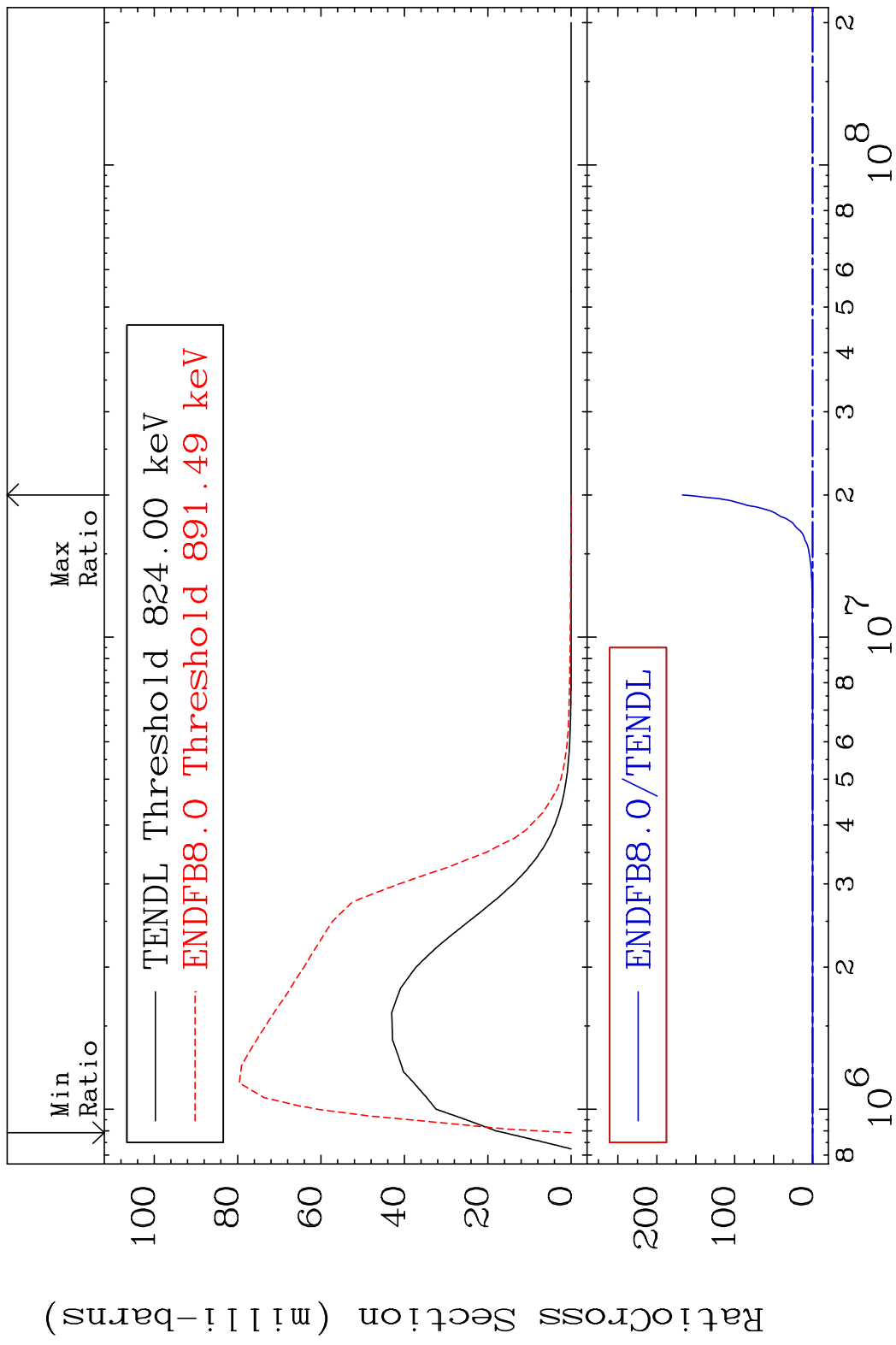
19 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 63 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

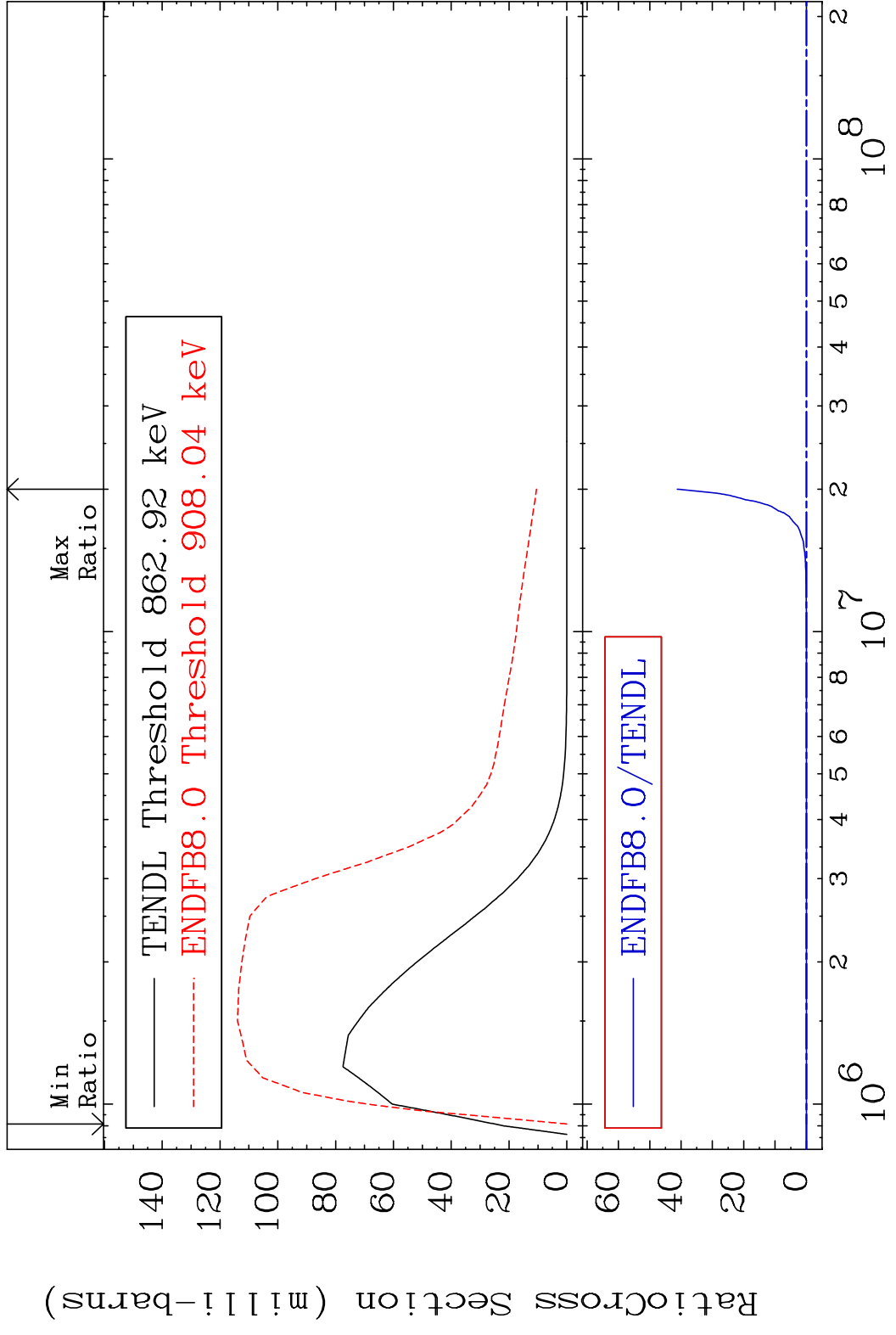


20 Incident Energy (eV) 48-Cd-113

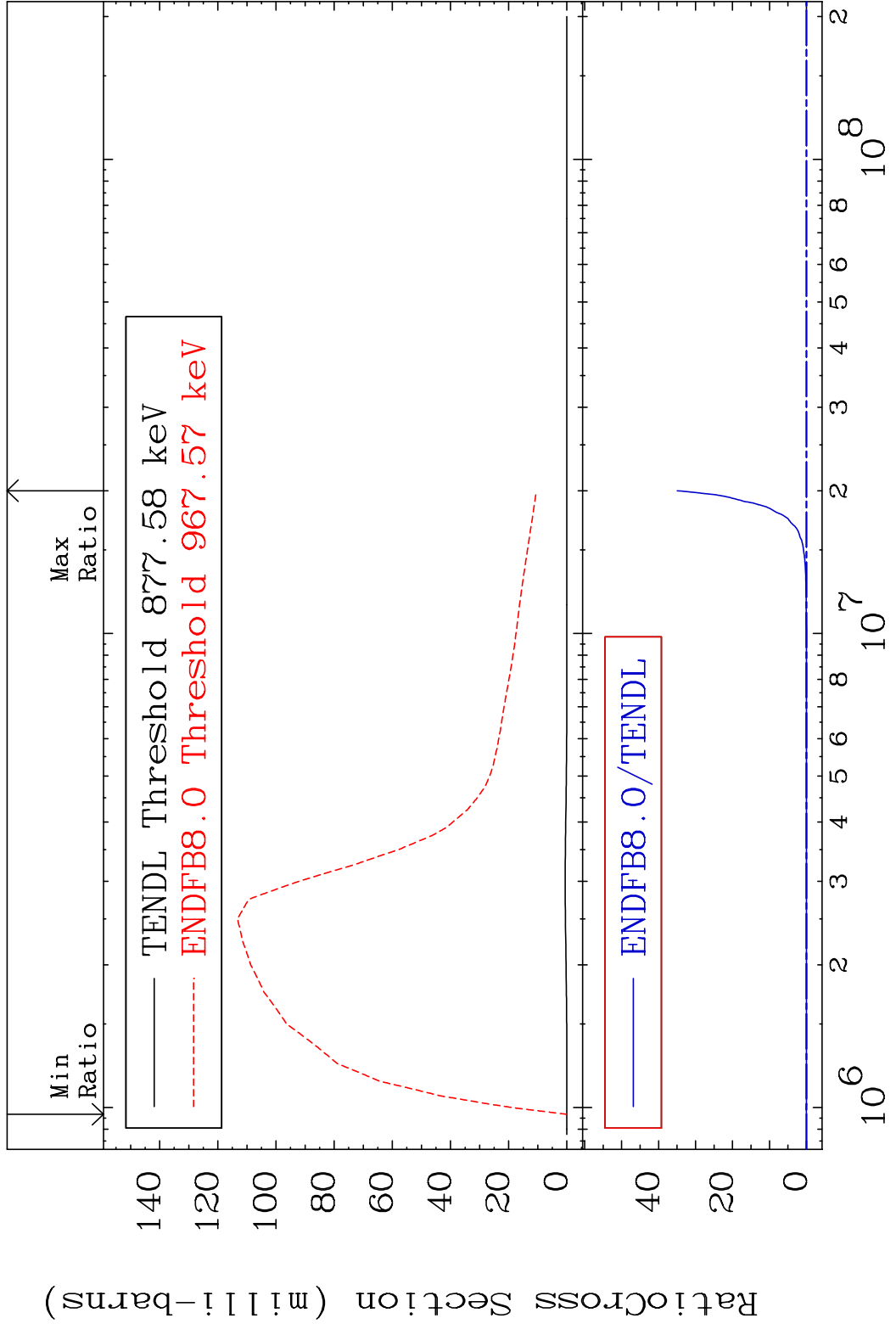
MAT 4846 MT= 64 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



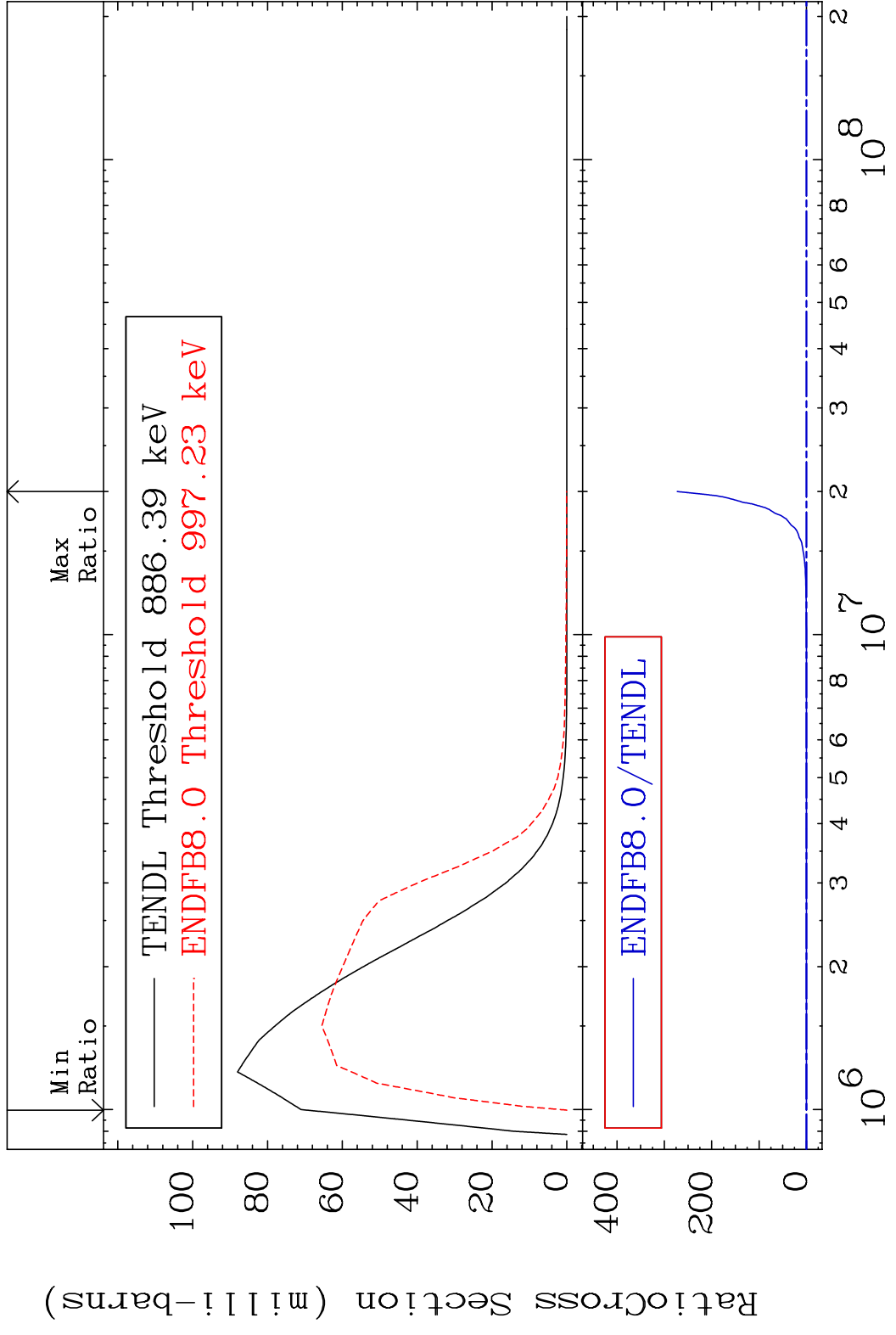
MAT 4846 MT= 65 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



MAT 4846 MT= 66 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

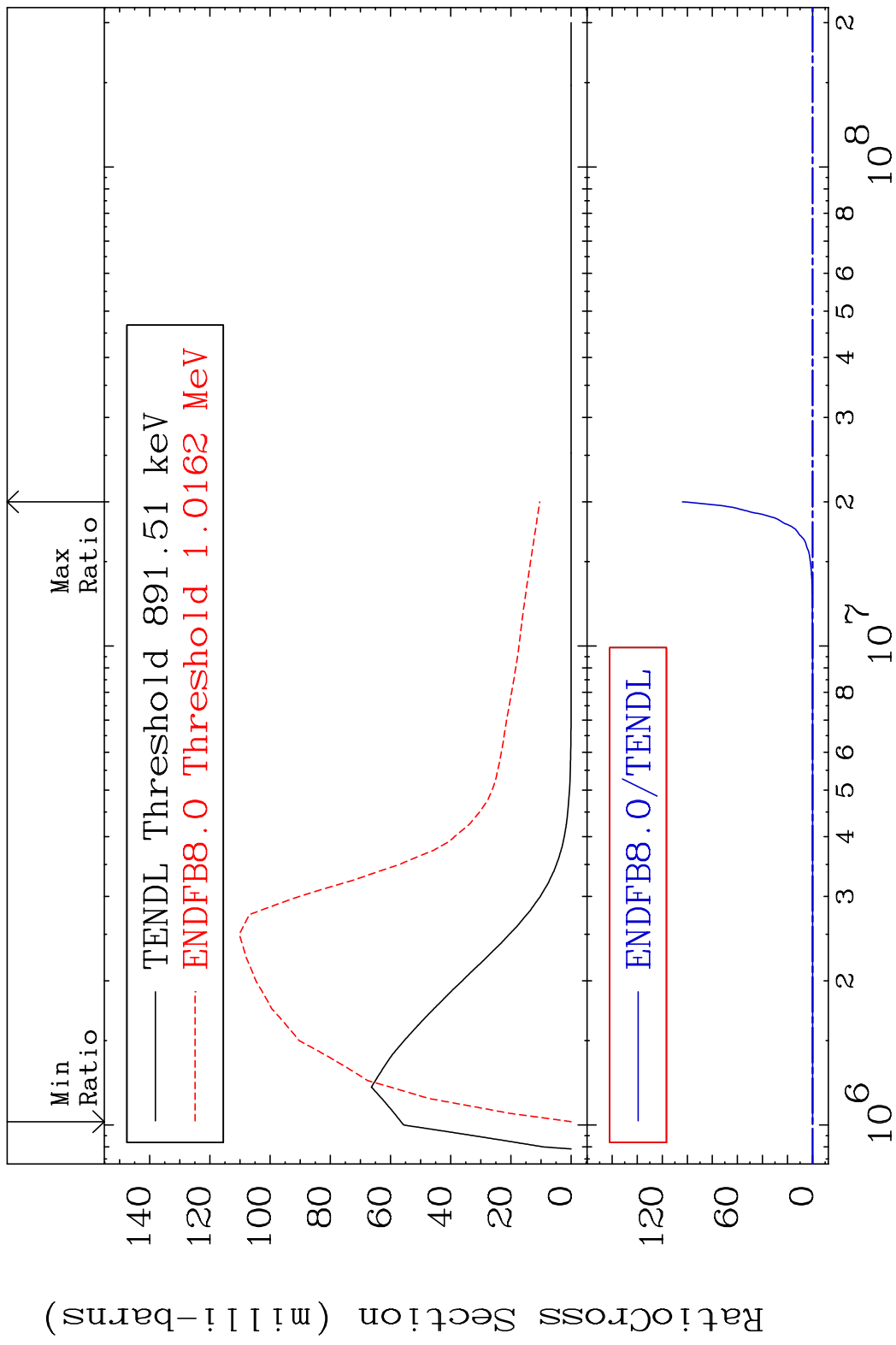


MAT 4846 MT= 67 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

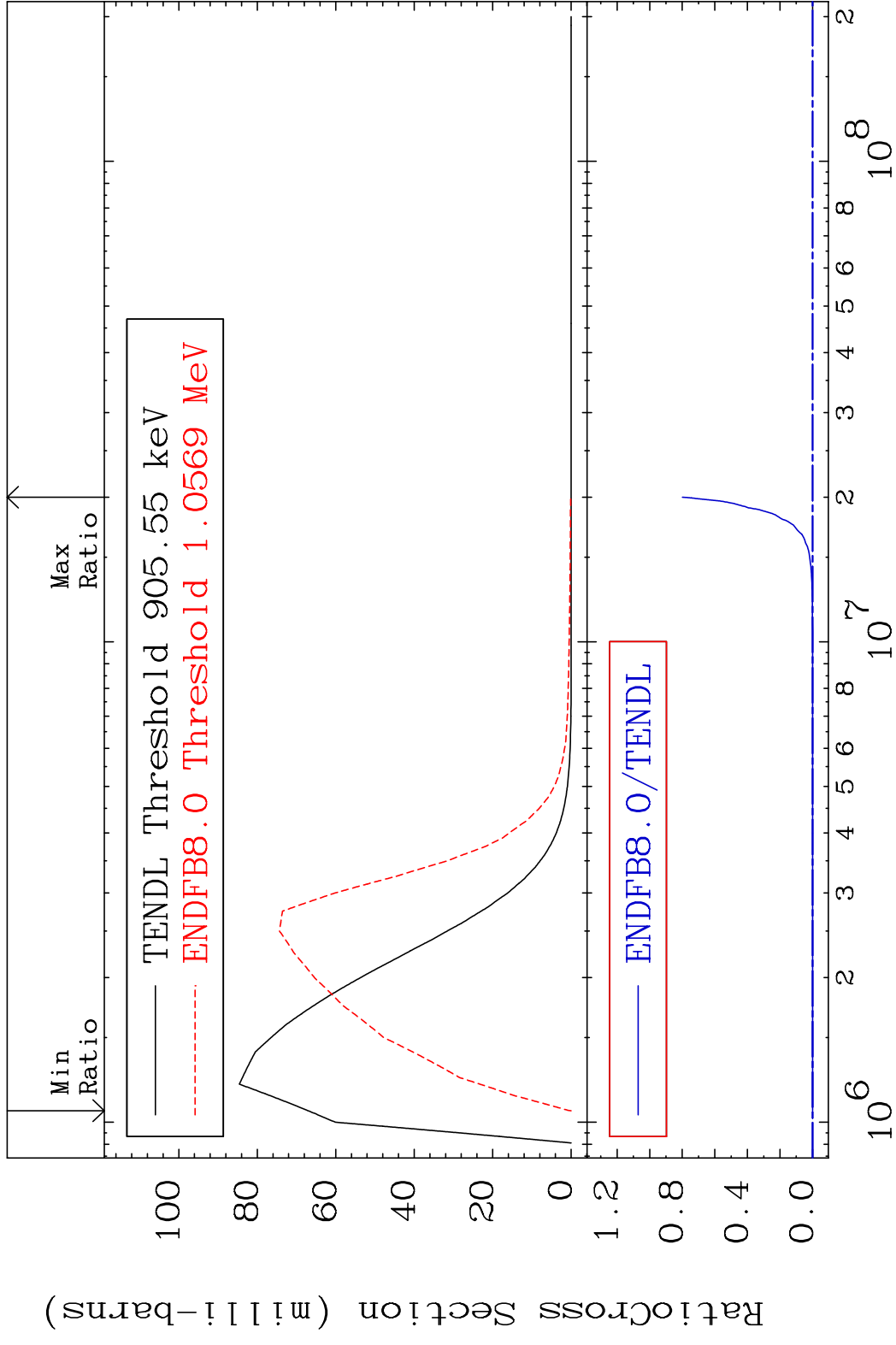


24 Incident Energy (eV) 48-Cd-113

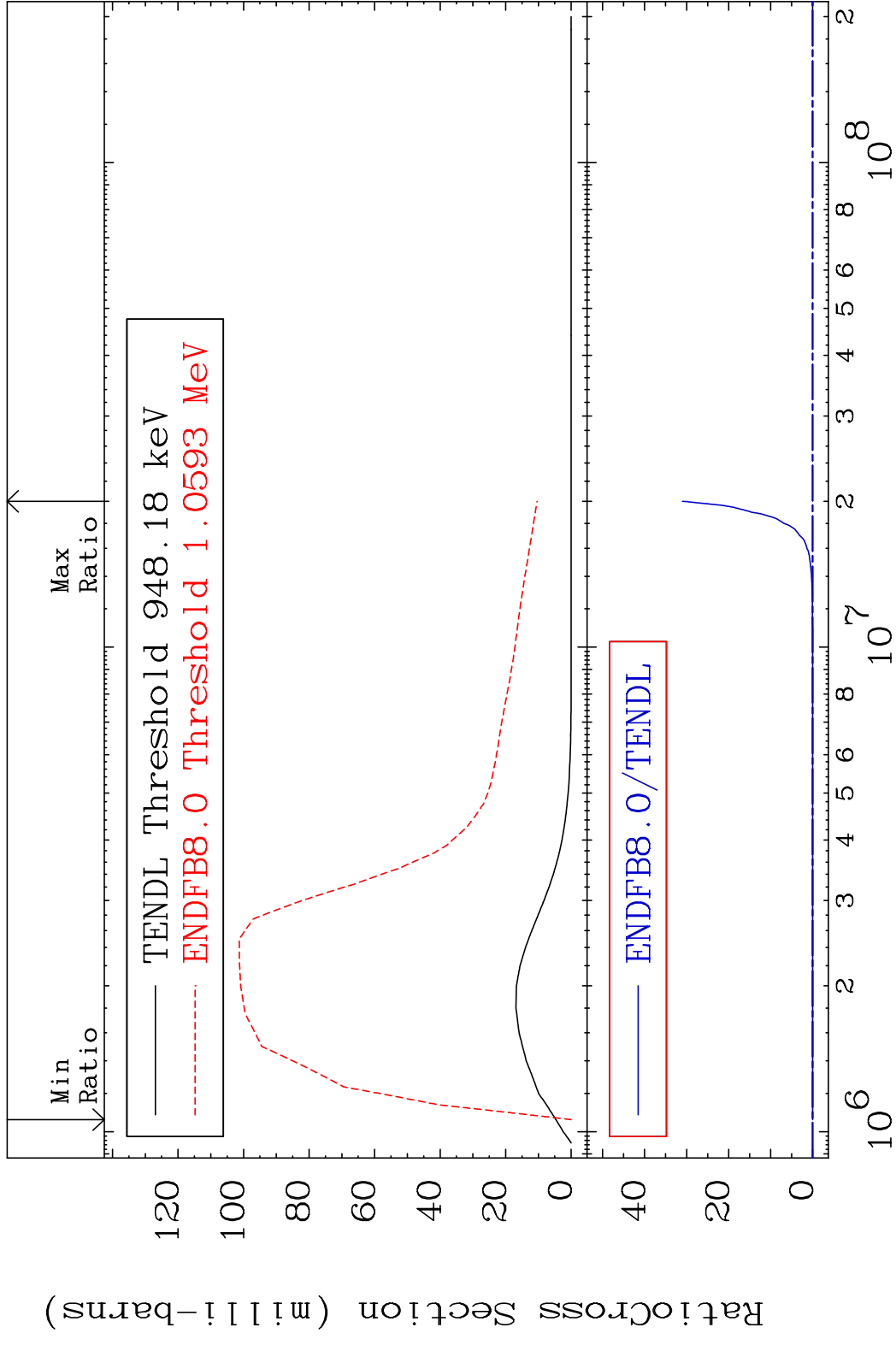
MAT 4846 MT= 68 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



MAT 4846 MT= 69 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

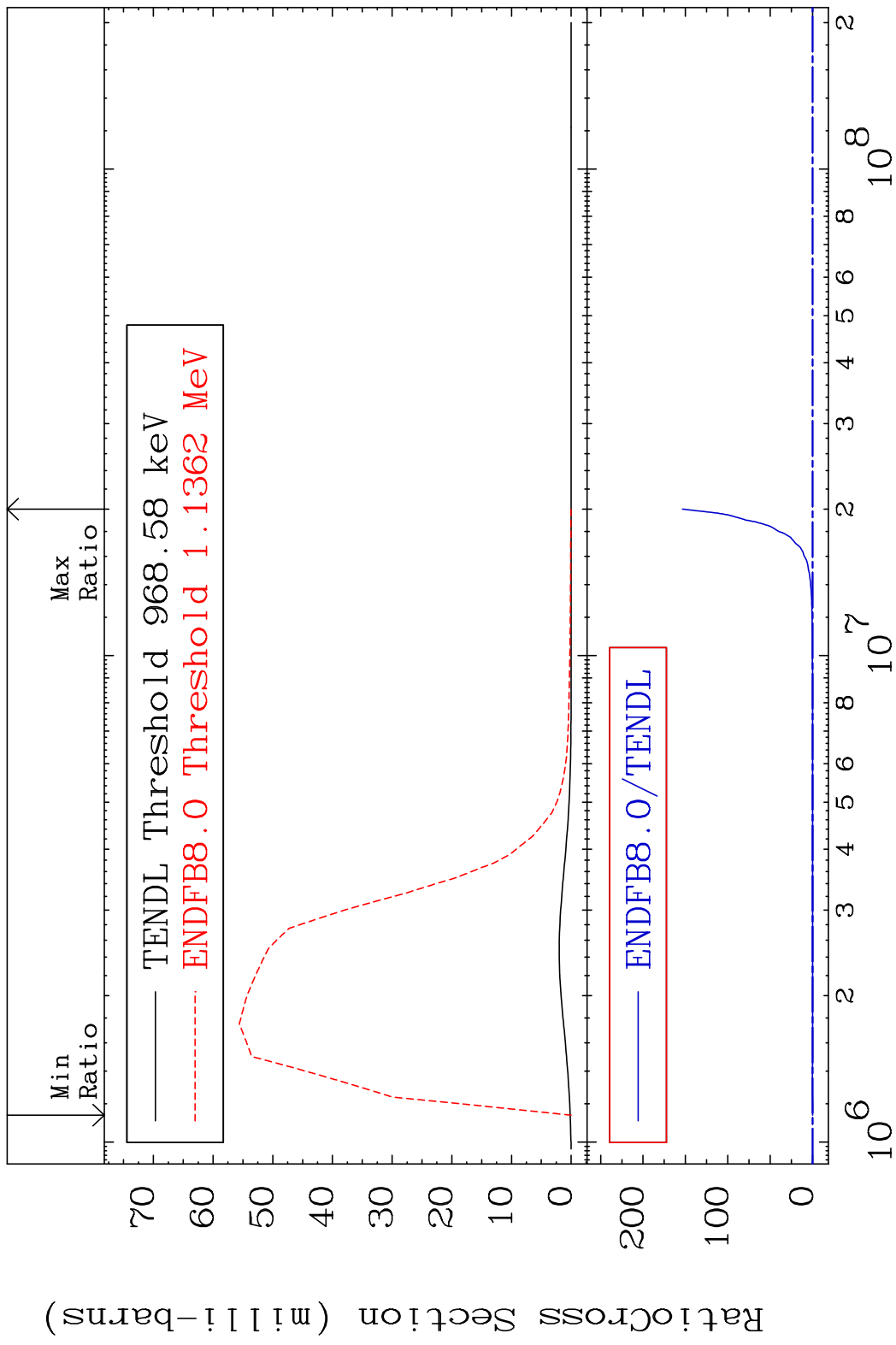


MAT 4846 MT= 70 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



27 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 71 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

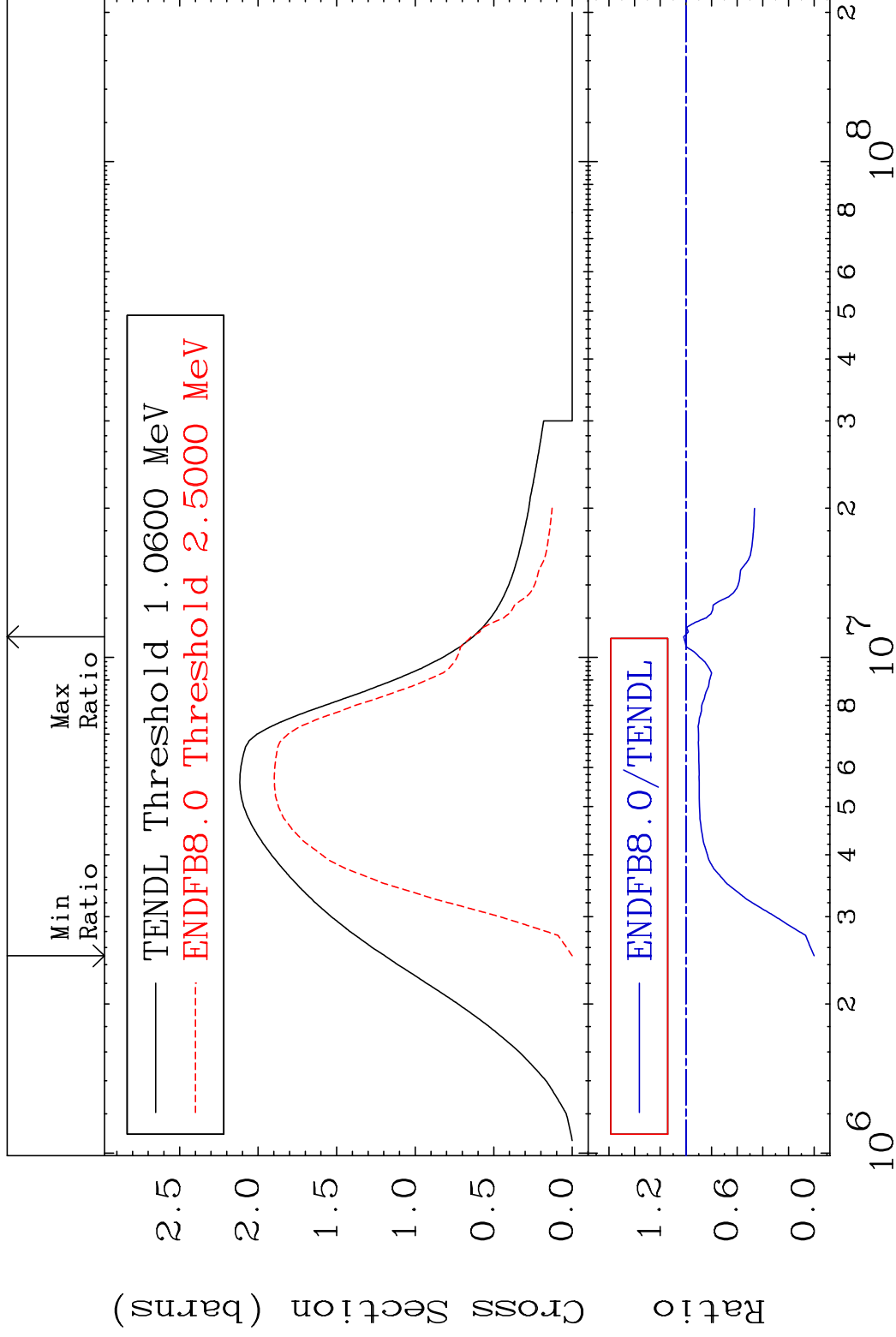


MAT 4846

(n, n') Continuum

48-Cd-113

Cross Section -100.0 To 1.743 %



29

Incident Energy (eV)

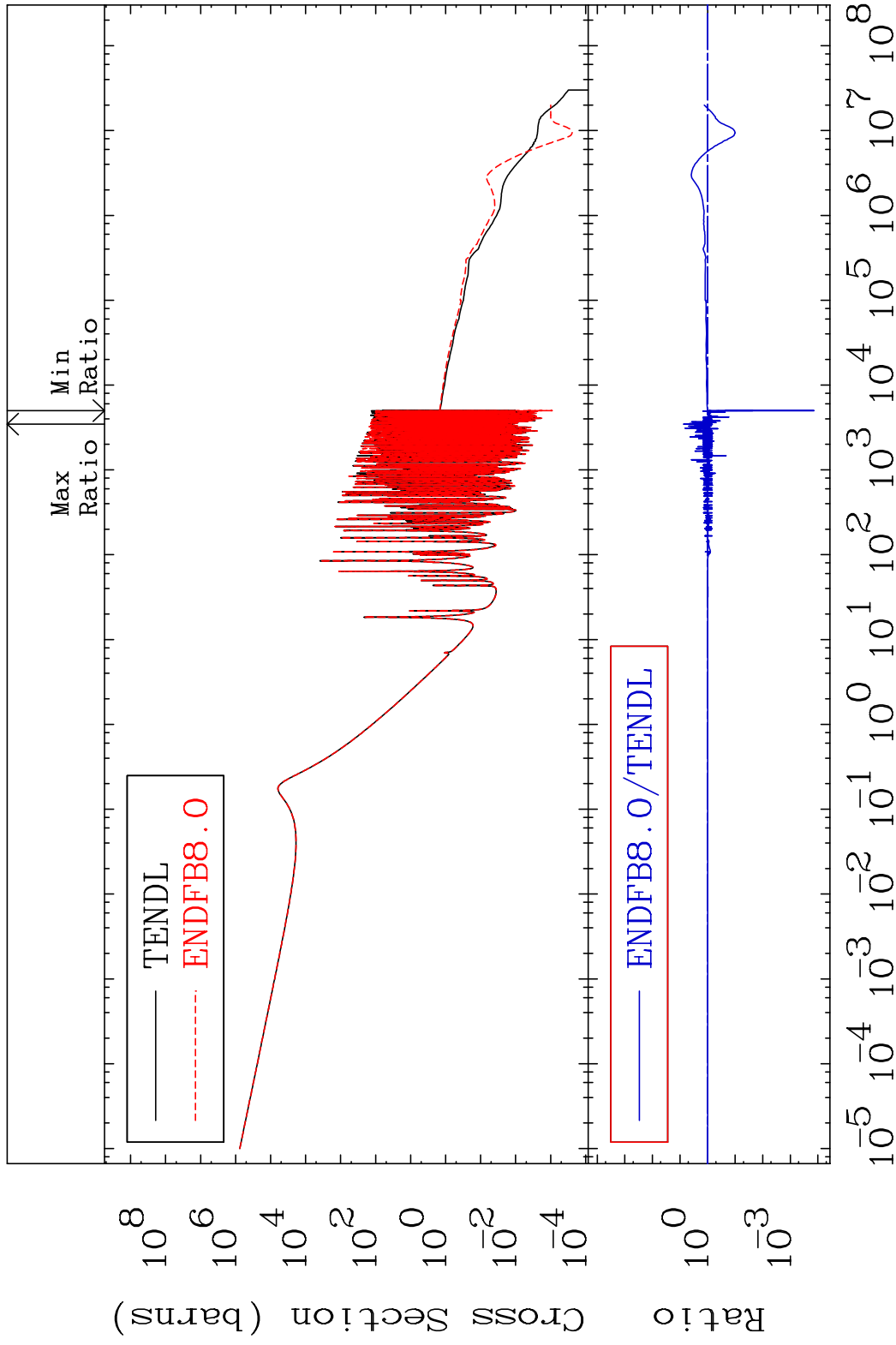
48-Cd-113

MAT 4846

(n, γ)

48-Cd-113

Cross Section -99.99 To 637.0 %



30

Incident Energy (eV)

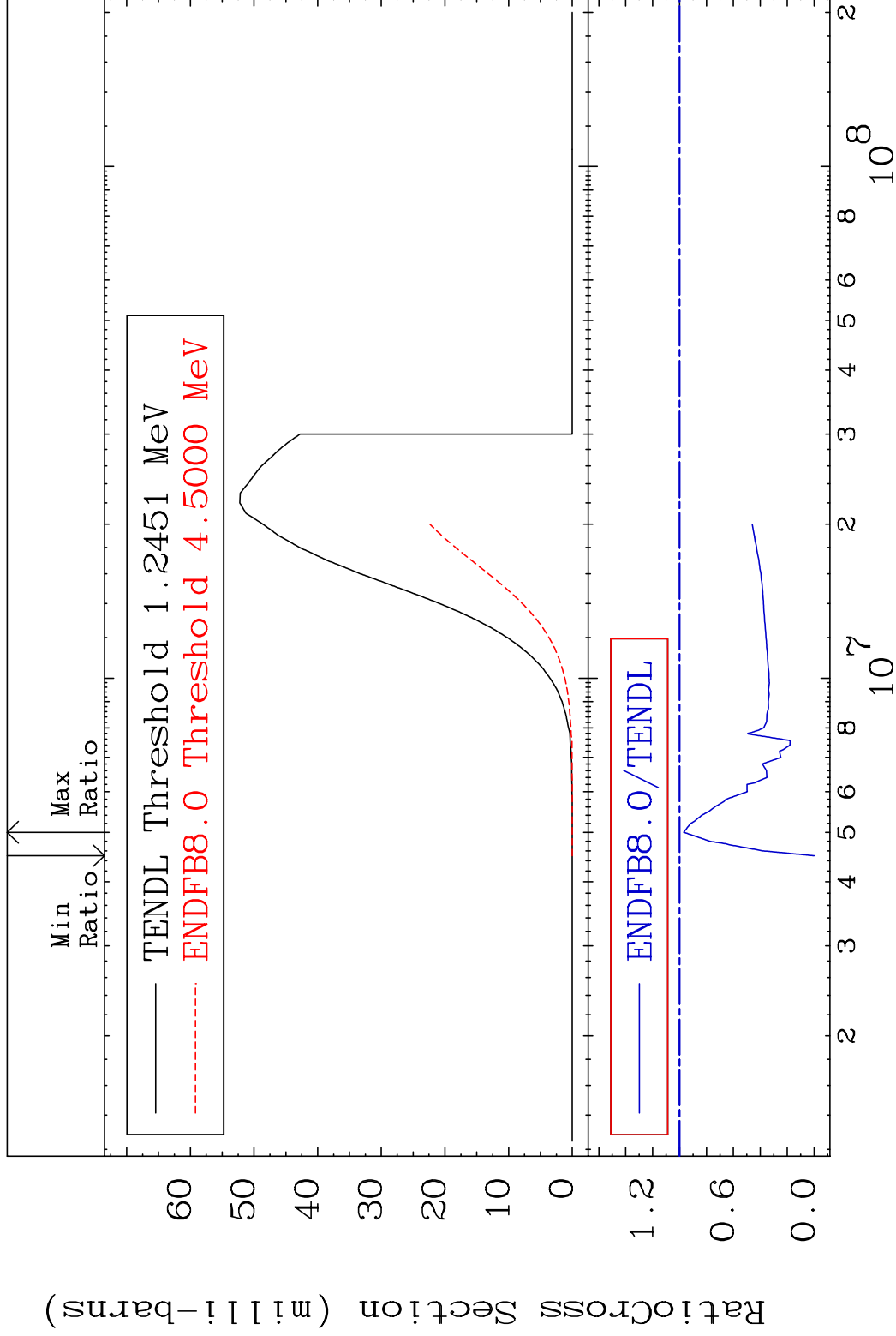
48-Cd-113

MAT 4846

(n, p)

48-Cd-113

Cross Section -100.0 To -3.044%



31

Incident Energy (eV)

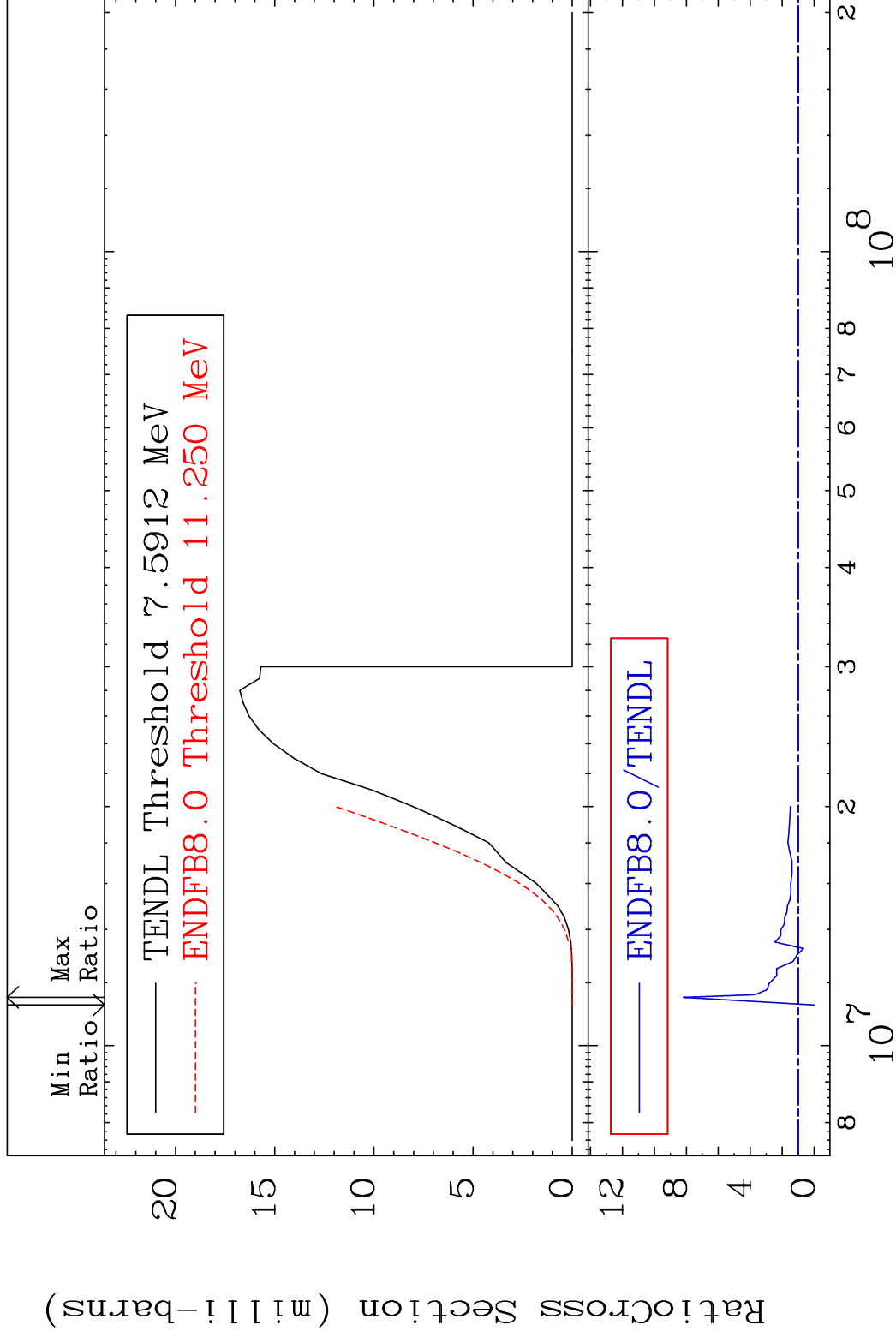
48-Cd-113

MAT 4846

(n,d)

48-Cd-113

Cross Section -100.0 To 716.8 %

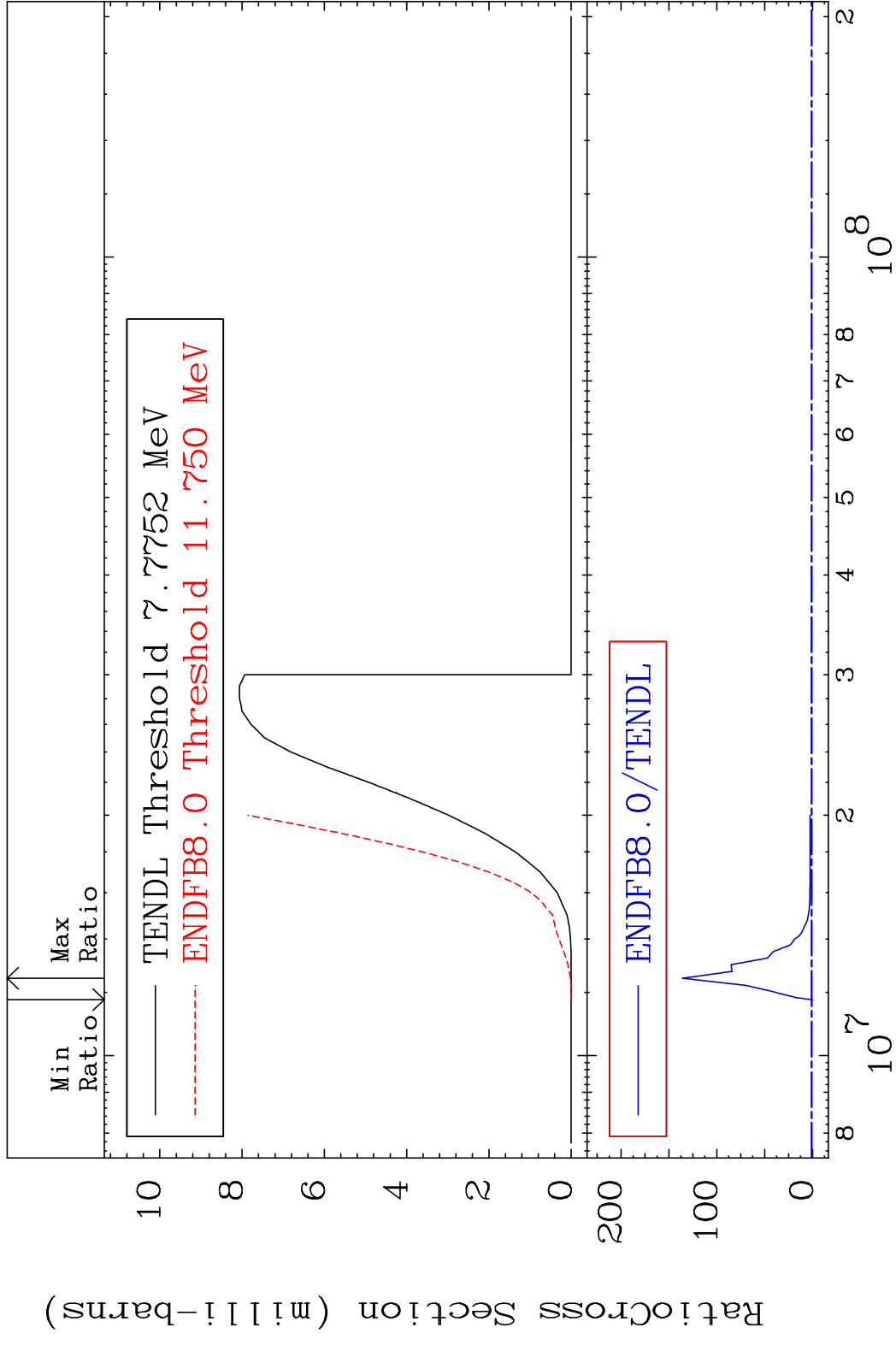


32

Incident Energy (eV)

48-Cd-113

MAT 4846 (n, t) 48-Cd-113
 Cross Section -100.0 To 9999. %

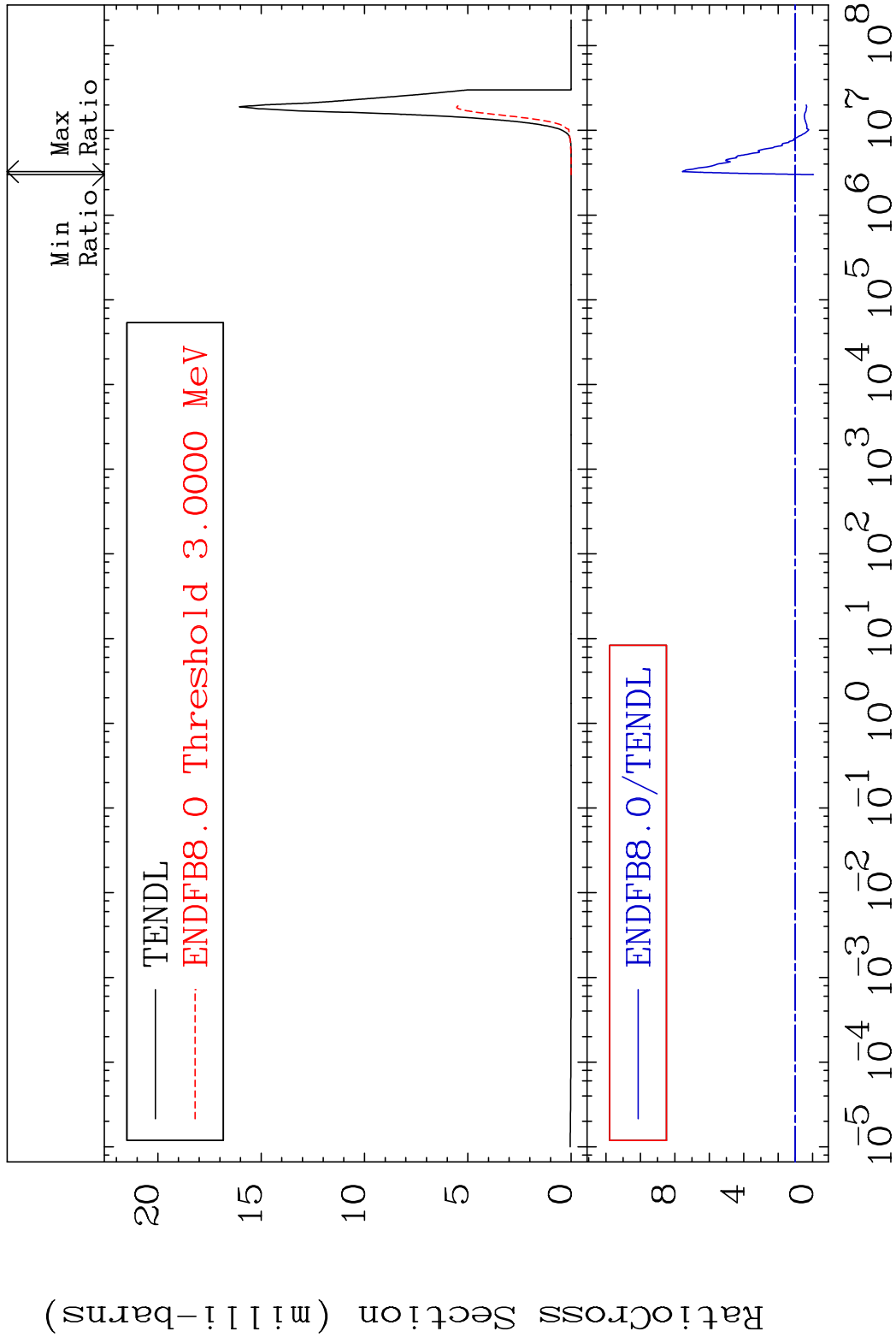


MAT 4846

(n, α)

48-Cd-113

Cross Section -100.0 To 656.3 %

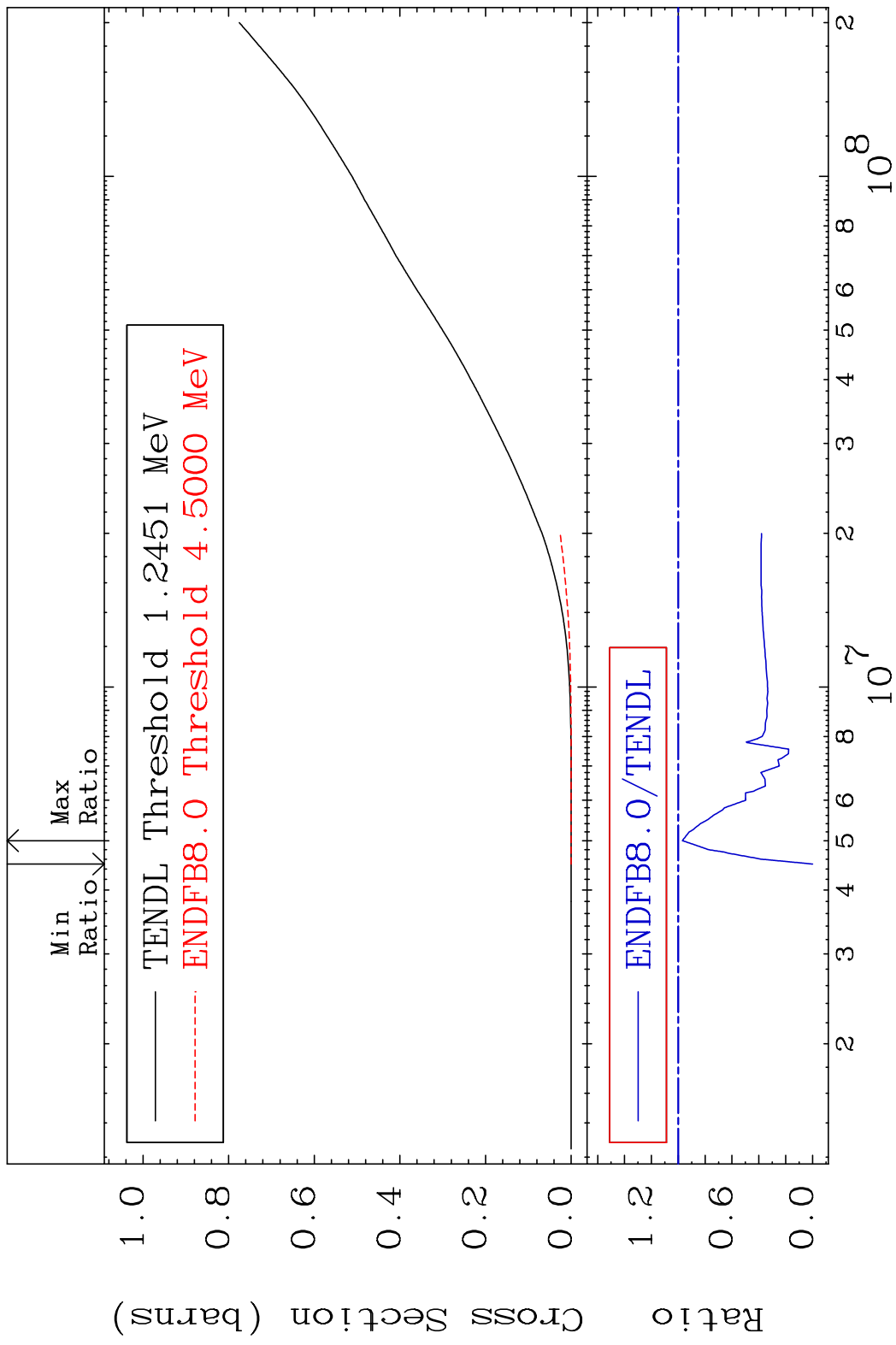


34

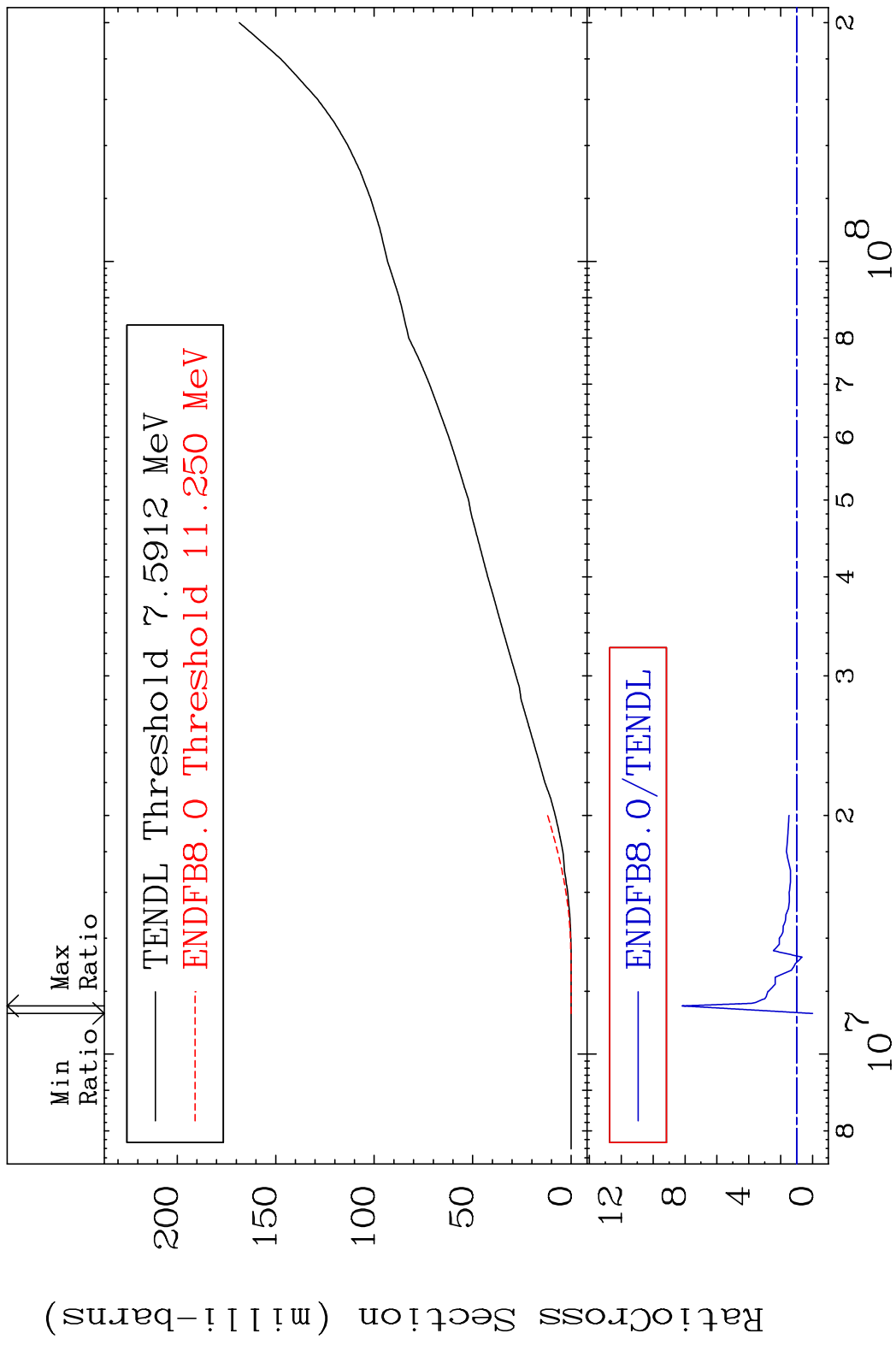
Incident Energy (eV)

48-Cd-113

MAT 4846 Hydrogen Production 48-Cd-113
 Cross Section -100.0 To -3.044%

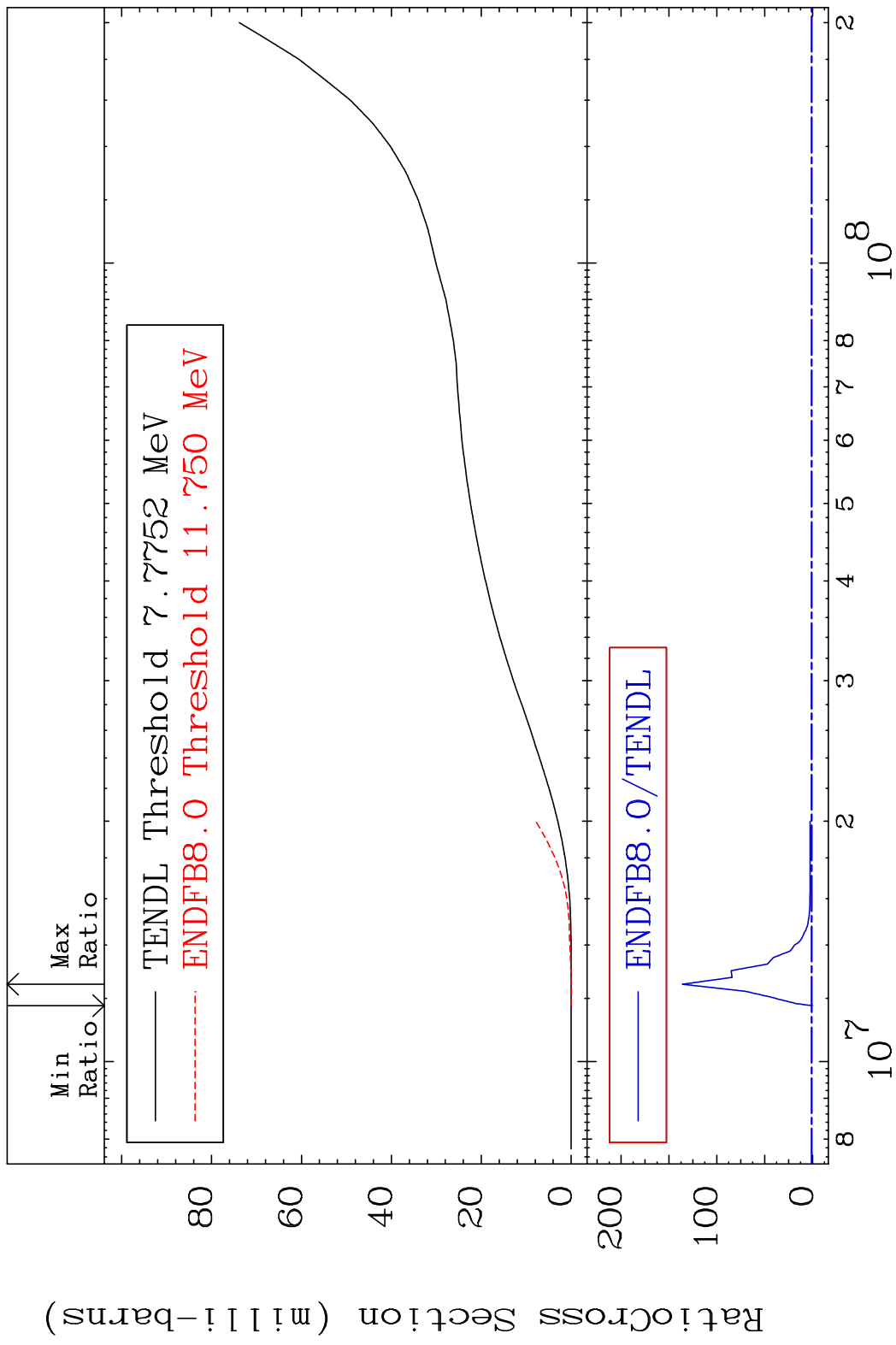


MAT 4846 Deuterium Production 48-Cd-113
 Cross Section -100.0 To 716.8 %



36 Incident Energy (eV) 48-Cd-113

MAT 4846 Tritium Production 48-Cd-113
 Cross Section -100.0 To 9999. %

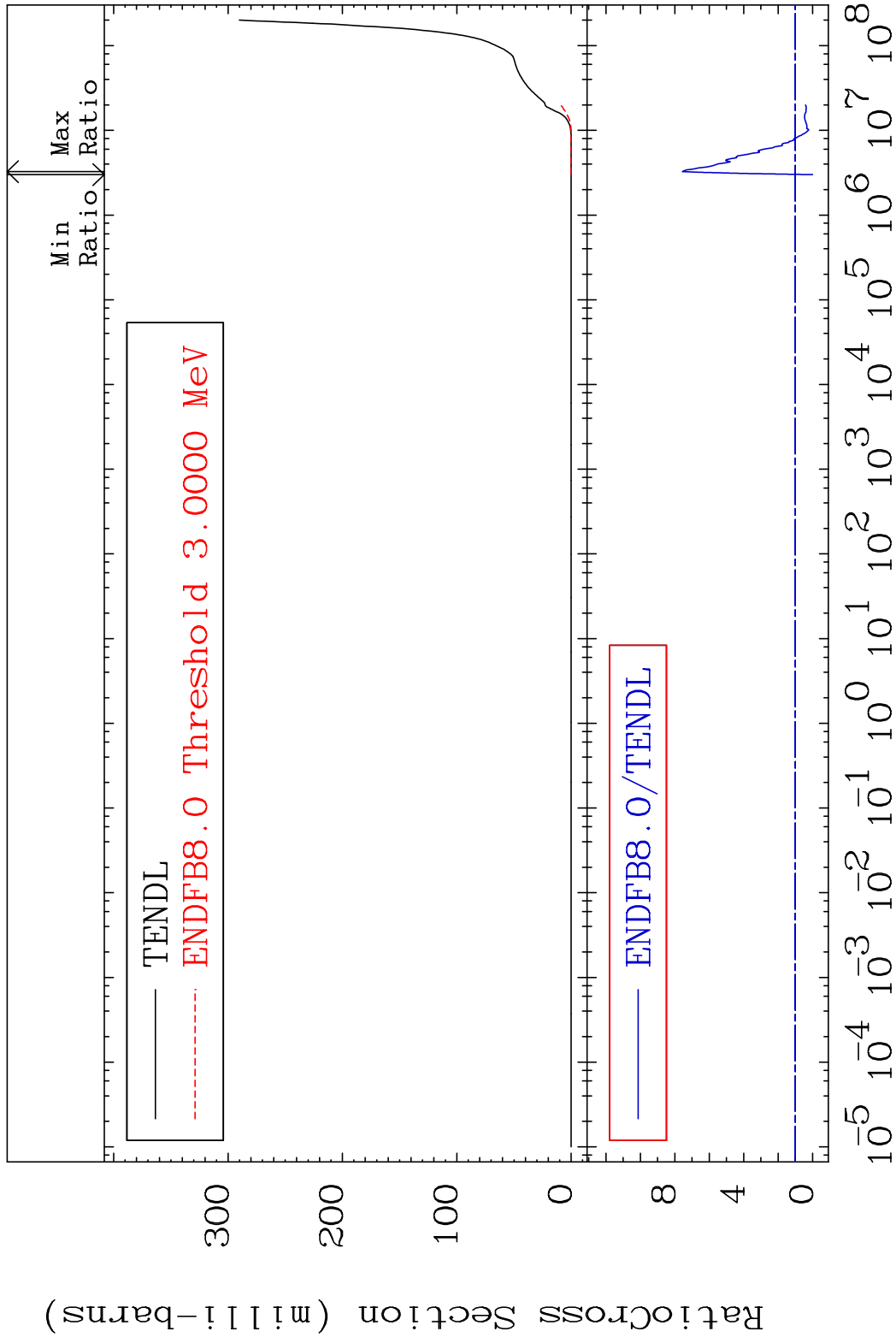


MAT 4846

He-4 Production

48-Cd-113

Cross Section -100.0 To 656.3 %

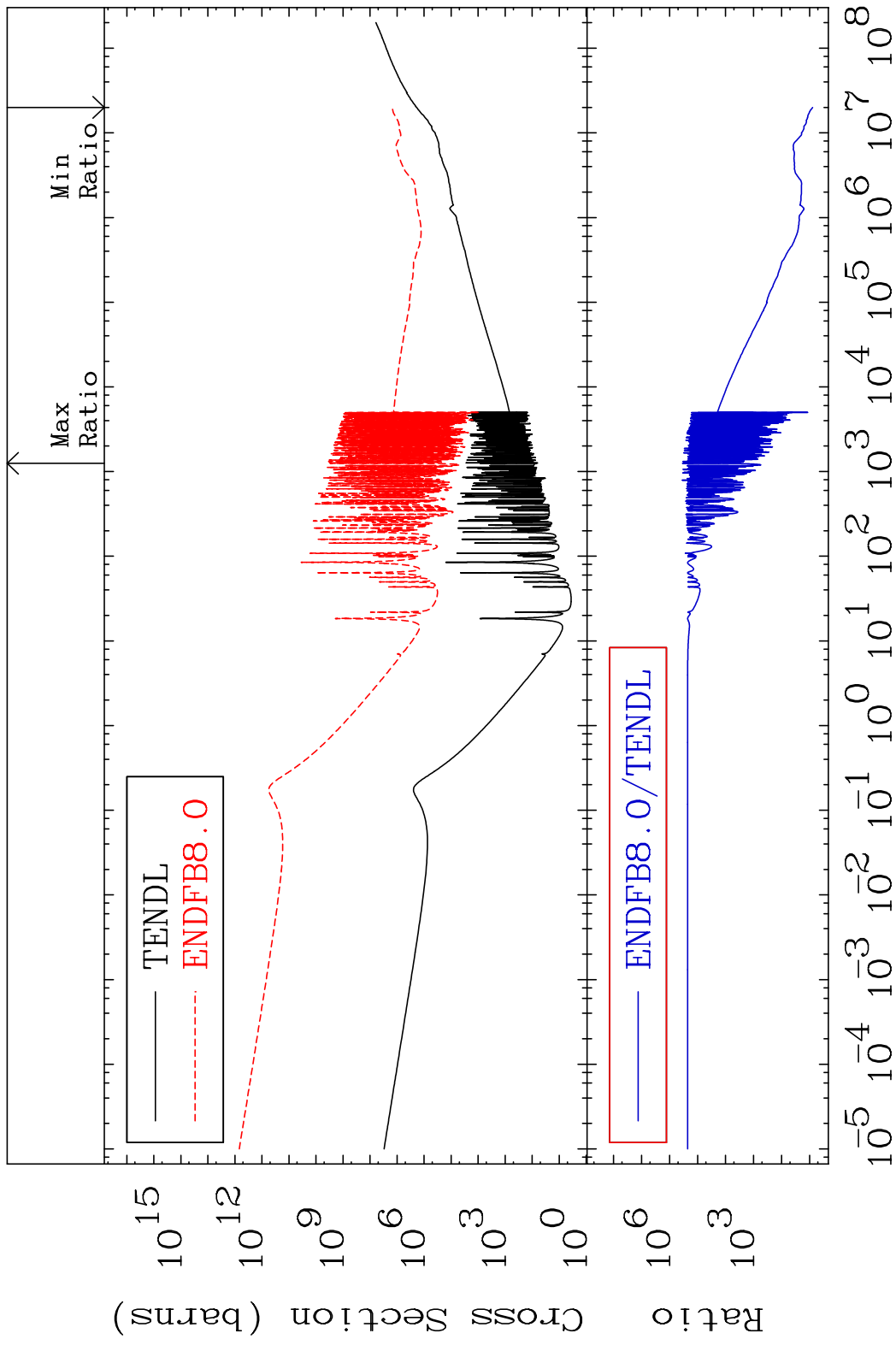


38

Incident Energy (eV)

48-Cd-113

MAT 4846 Kerma total (eV-barns) 48-Cd-113
 Cross Section 679.9 To 9999. %

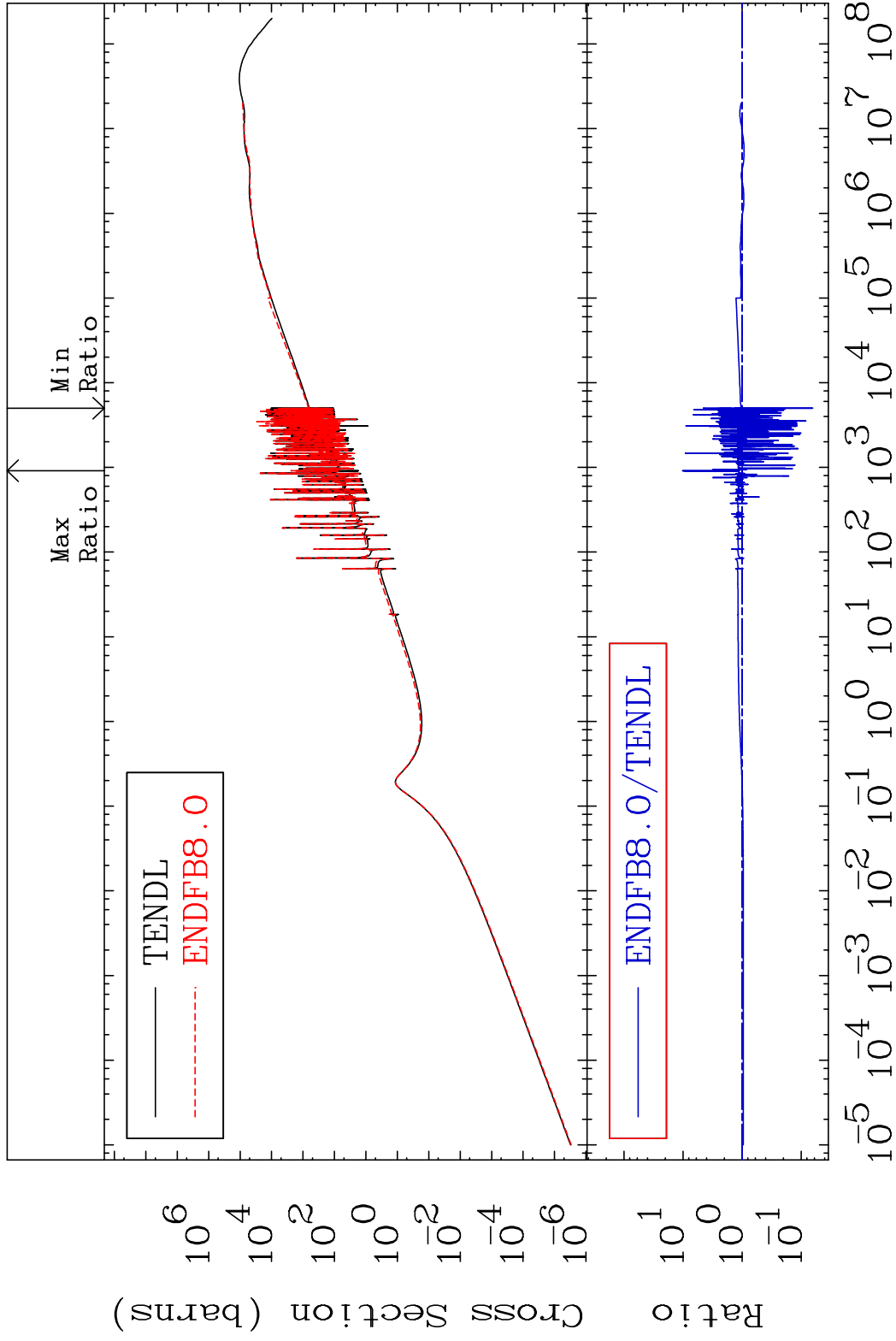


MAT 4846

Kerma elastic

48-Cd-113

Cross Section -93.577 To 930.3 %

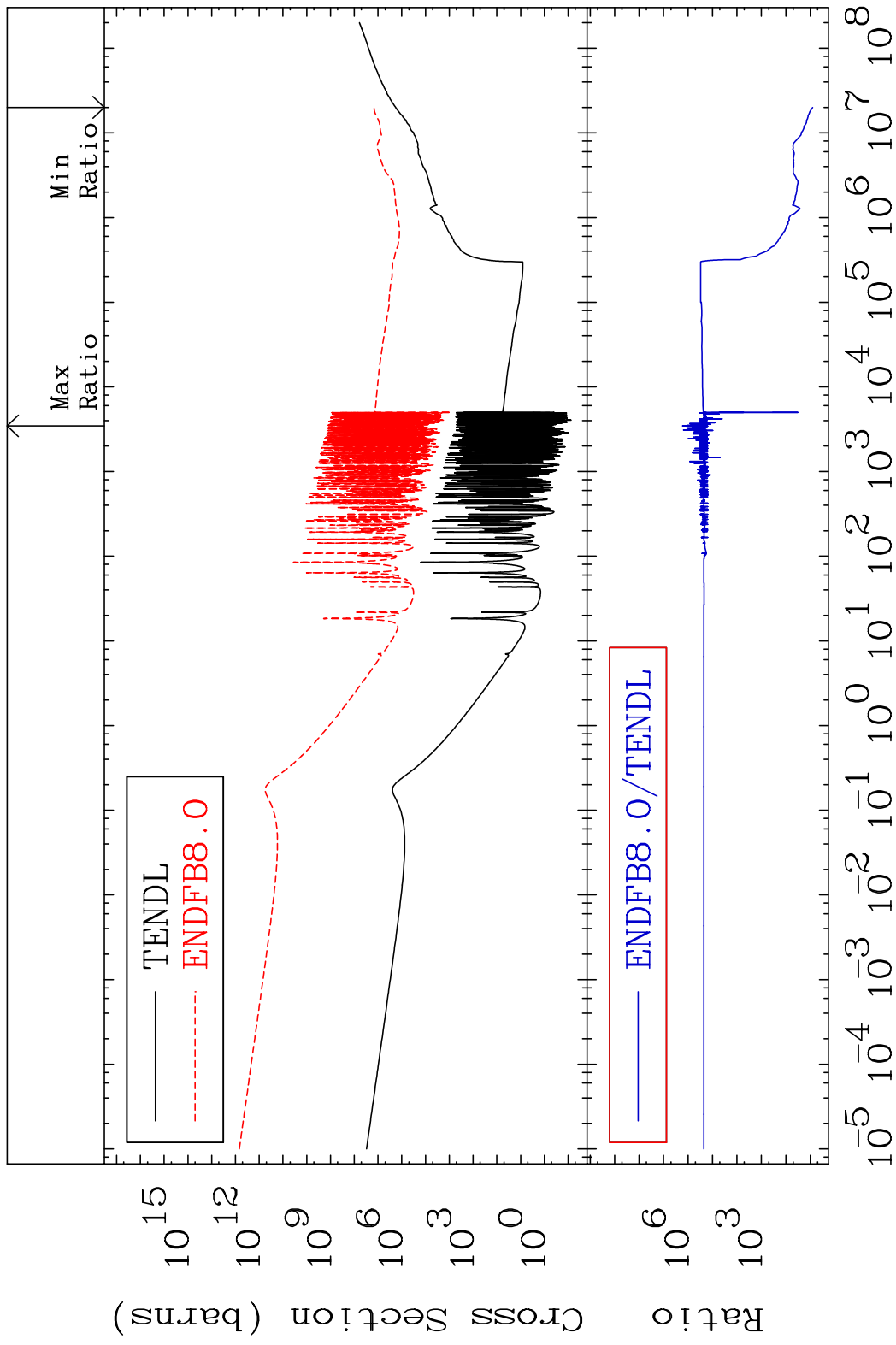


40

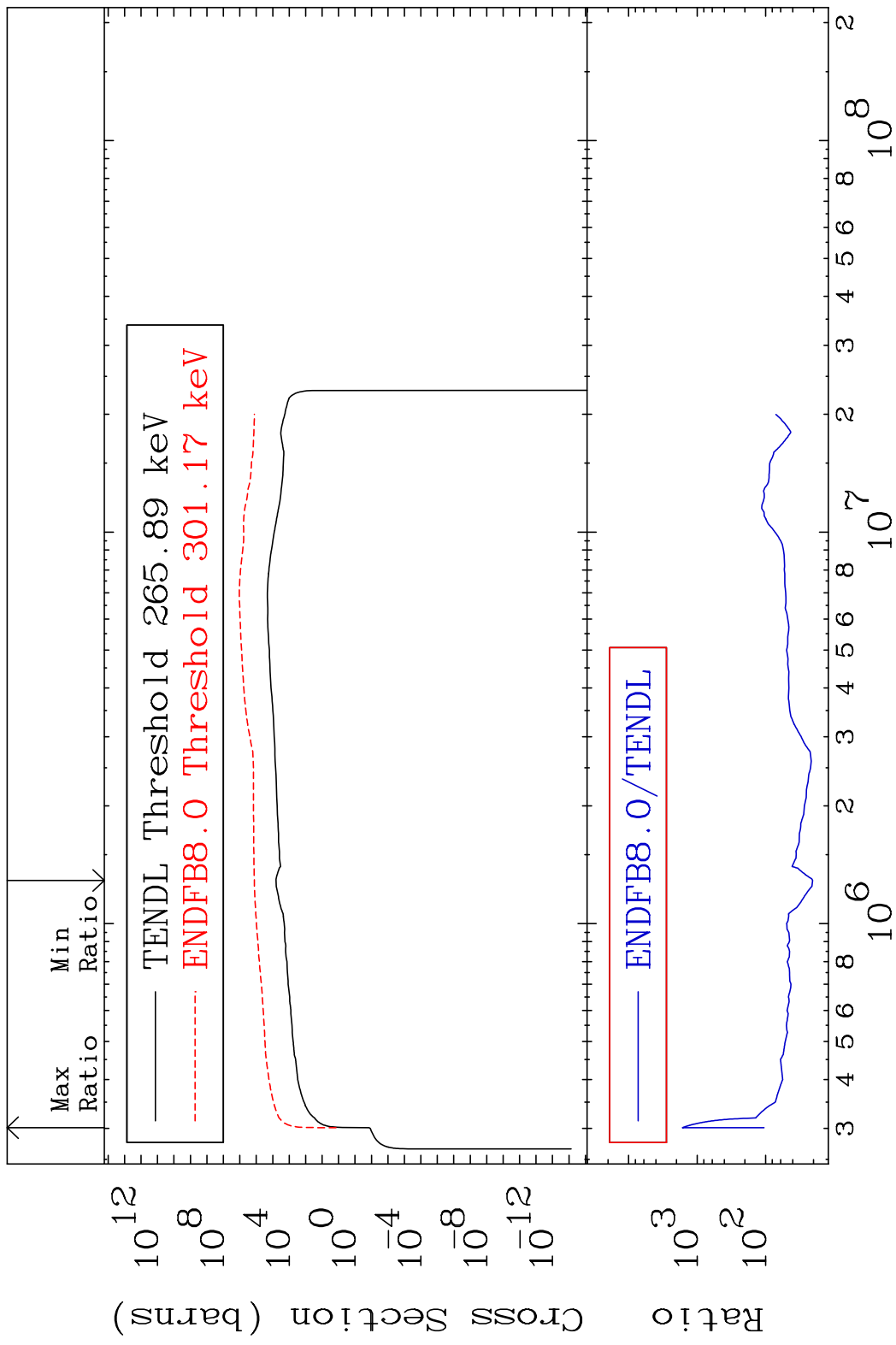
Incident Energy (eV)

48-Cd-113

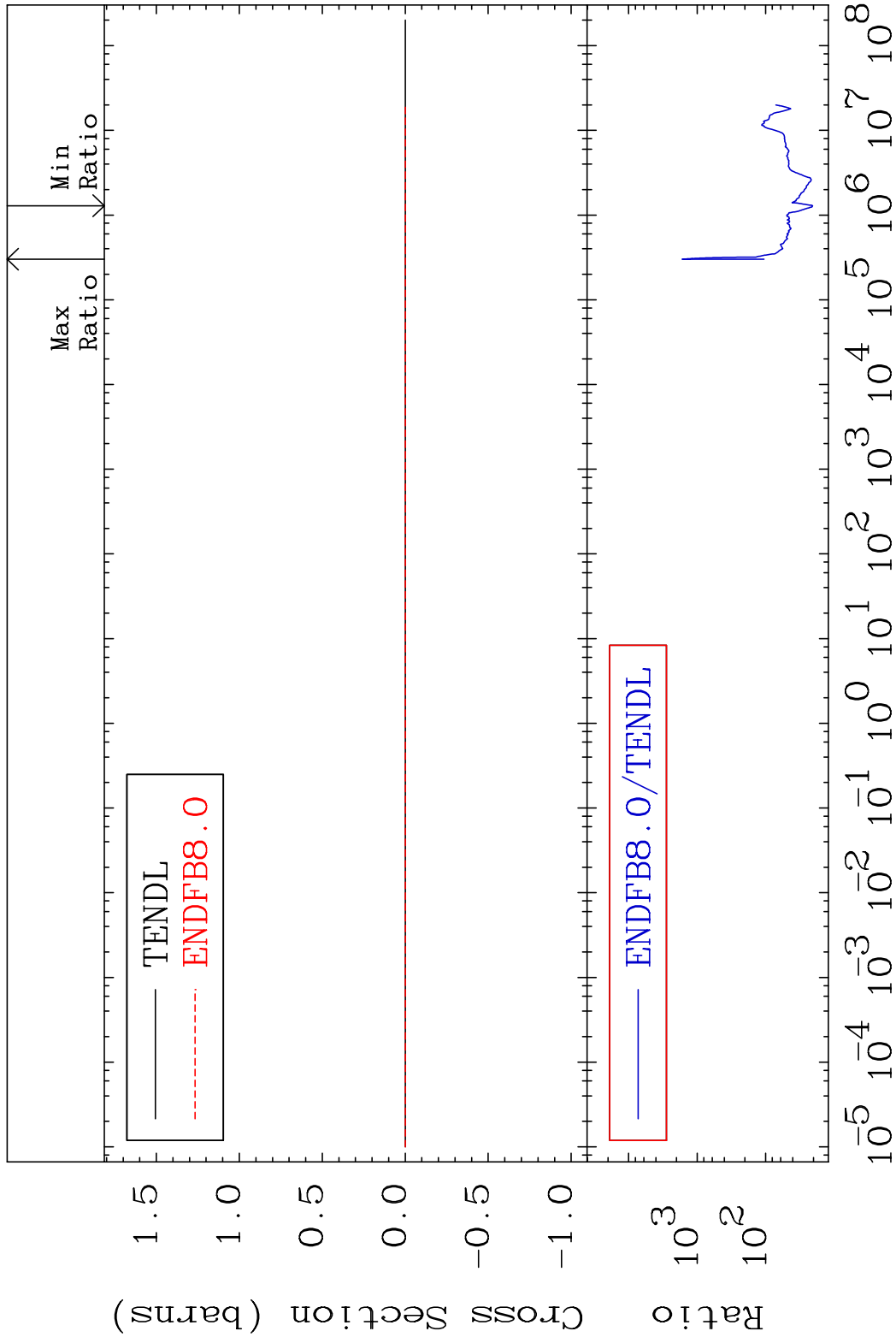
MAT 4846 Kerma non-elastic (all but mt2) 48-Cd-113
 Cross Section 709.7 To 9999. %



MAT 4846 Kerma inelastic (mt51-91) 48-Cd-113
 Cross Section 1959. To 9999. %

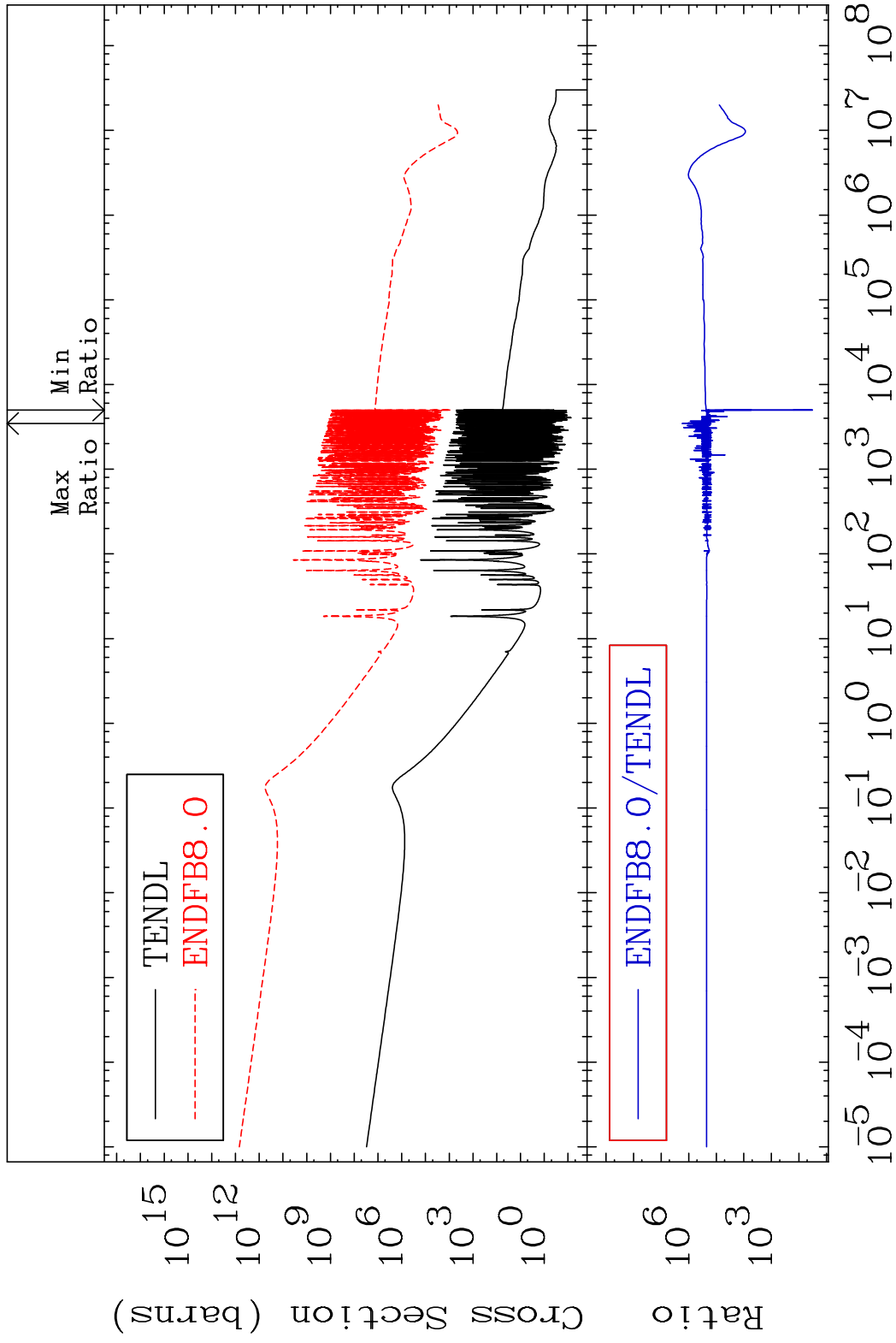


MAT 4846 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-113
 Cross Section 1959. To 9999. %

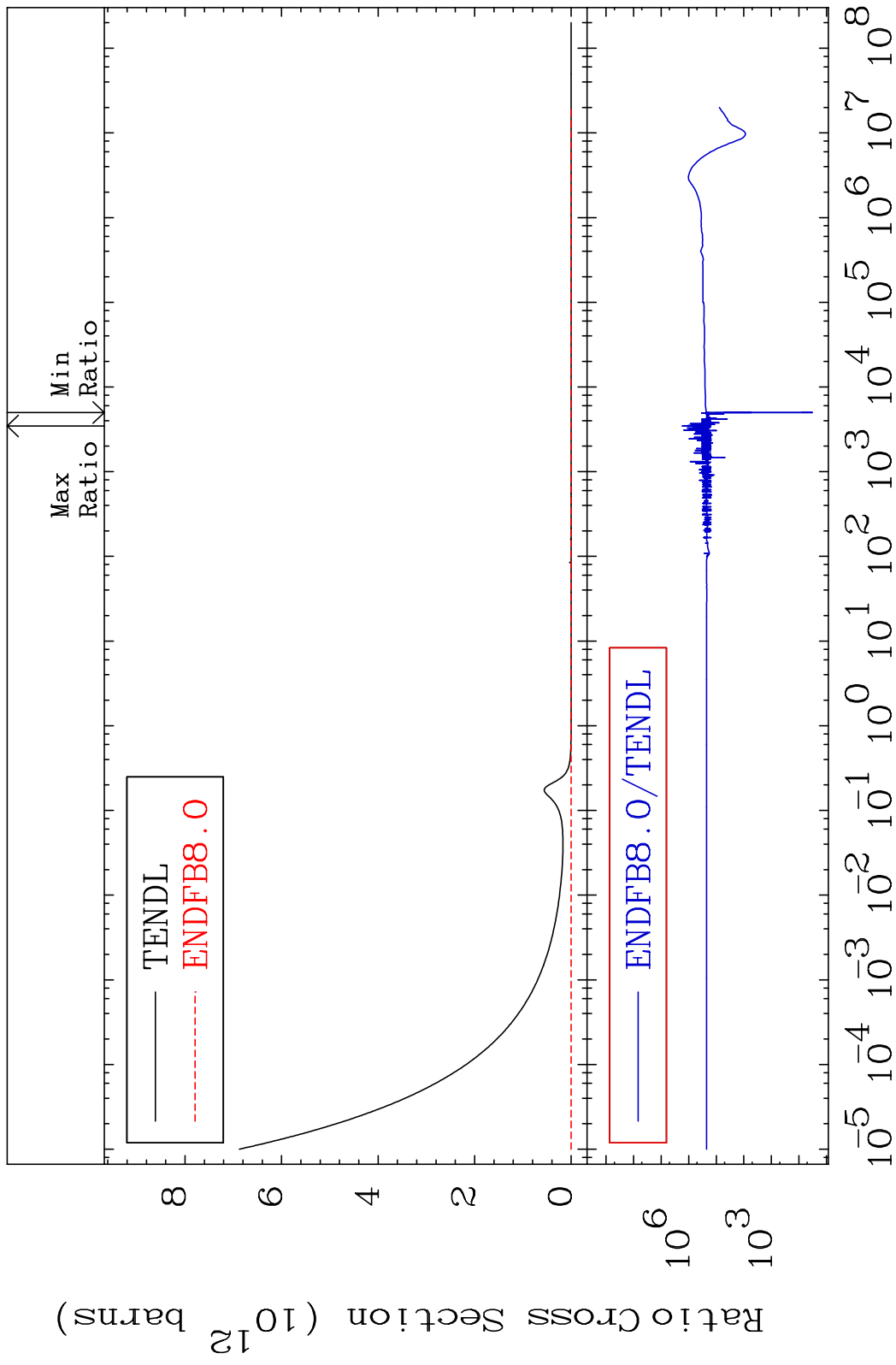


MAT 4846

Kerma capture (mt102) 48-Cd-113
Cross Section 3103. To 9999. %

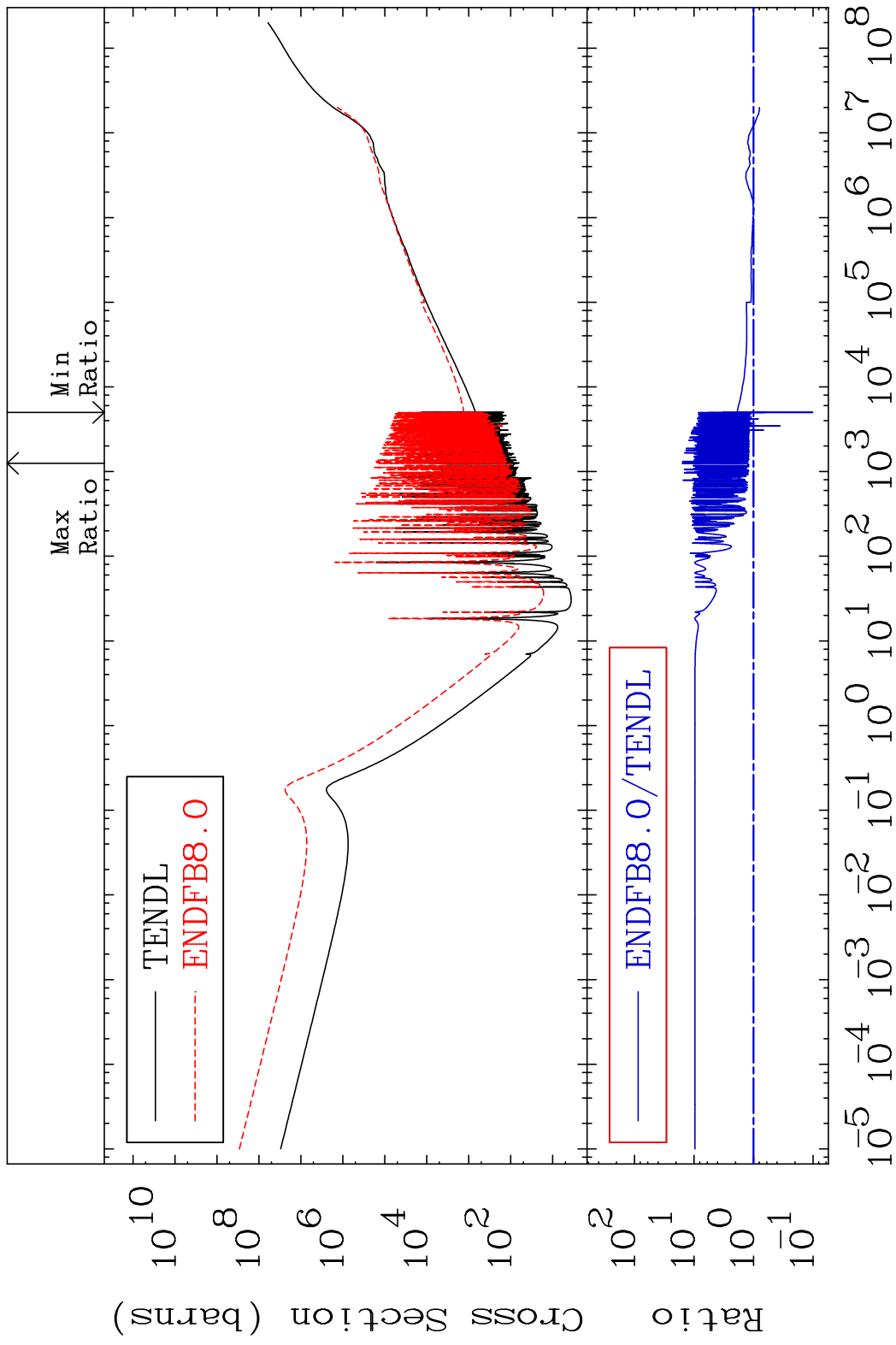


MAT 4846 Total photon (eV-barns) 48-Cd-113
Cross Section 3103. To 9999. %

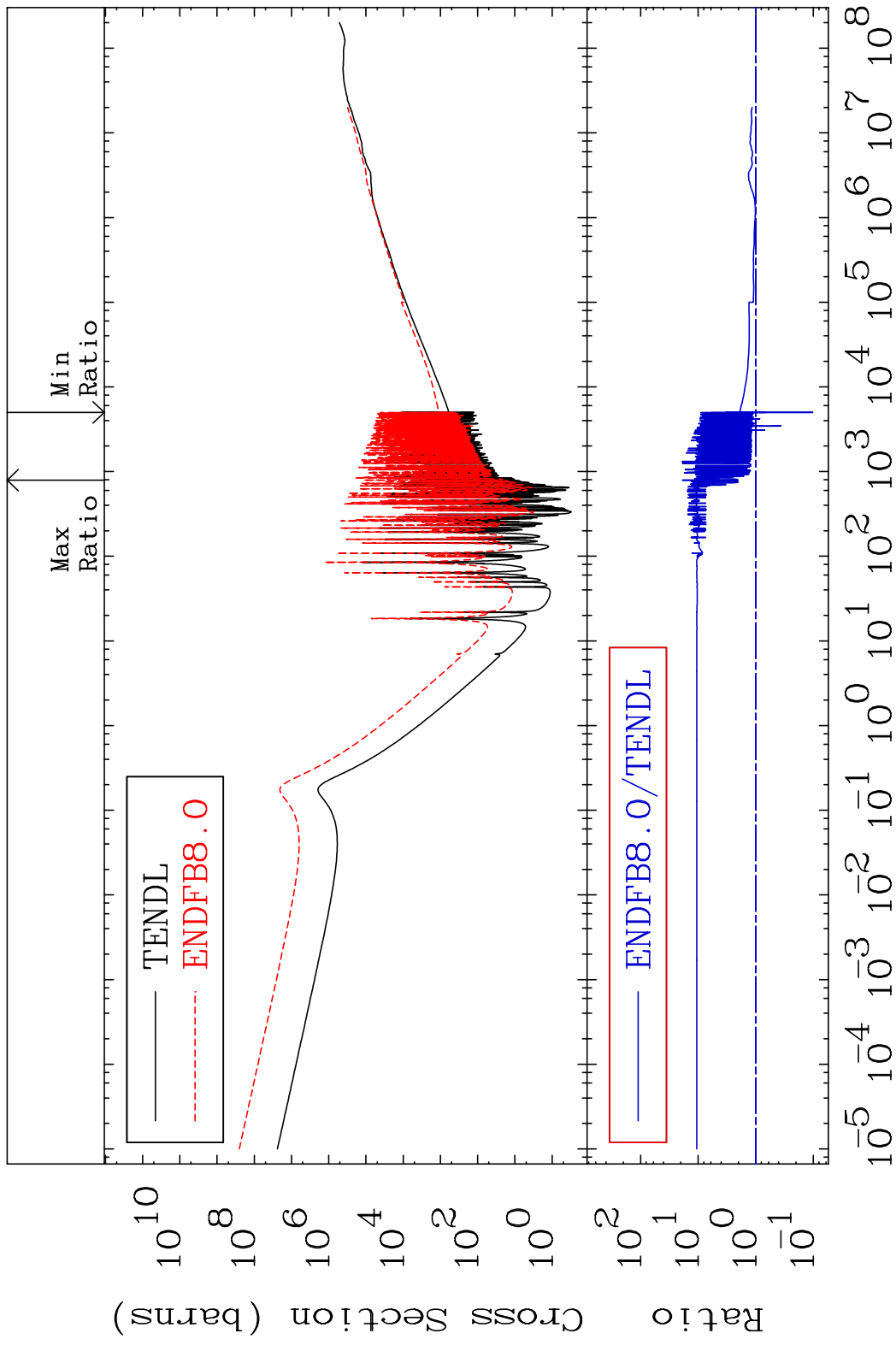


45 48-Cd-113

MAT 4846 Total kinematic kerma (high limit) 48-Cd-113
 Cross Section -89.84 To 1466. %



MAT 4846 Dpa total (eV-barns) 48-Cd-113
 Cross Section -89.70 To 1783. %



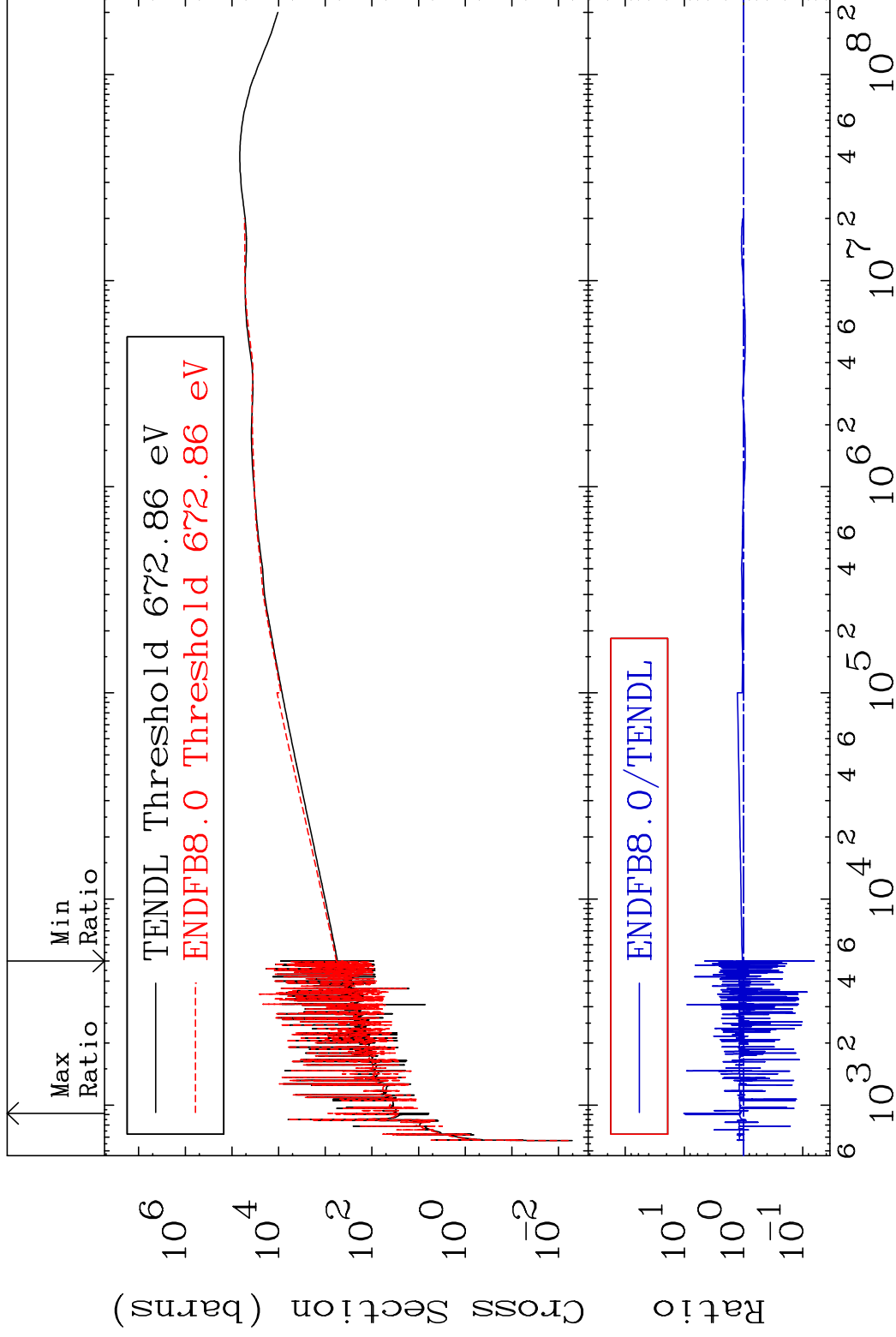
47 Incident Energy (eV) 48-Cd-113

MAT 4846

Dpa elastic (mt2)

48-Cd-113

Cross Section -93.59 To 930.9 %

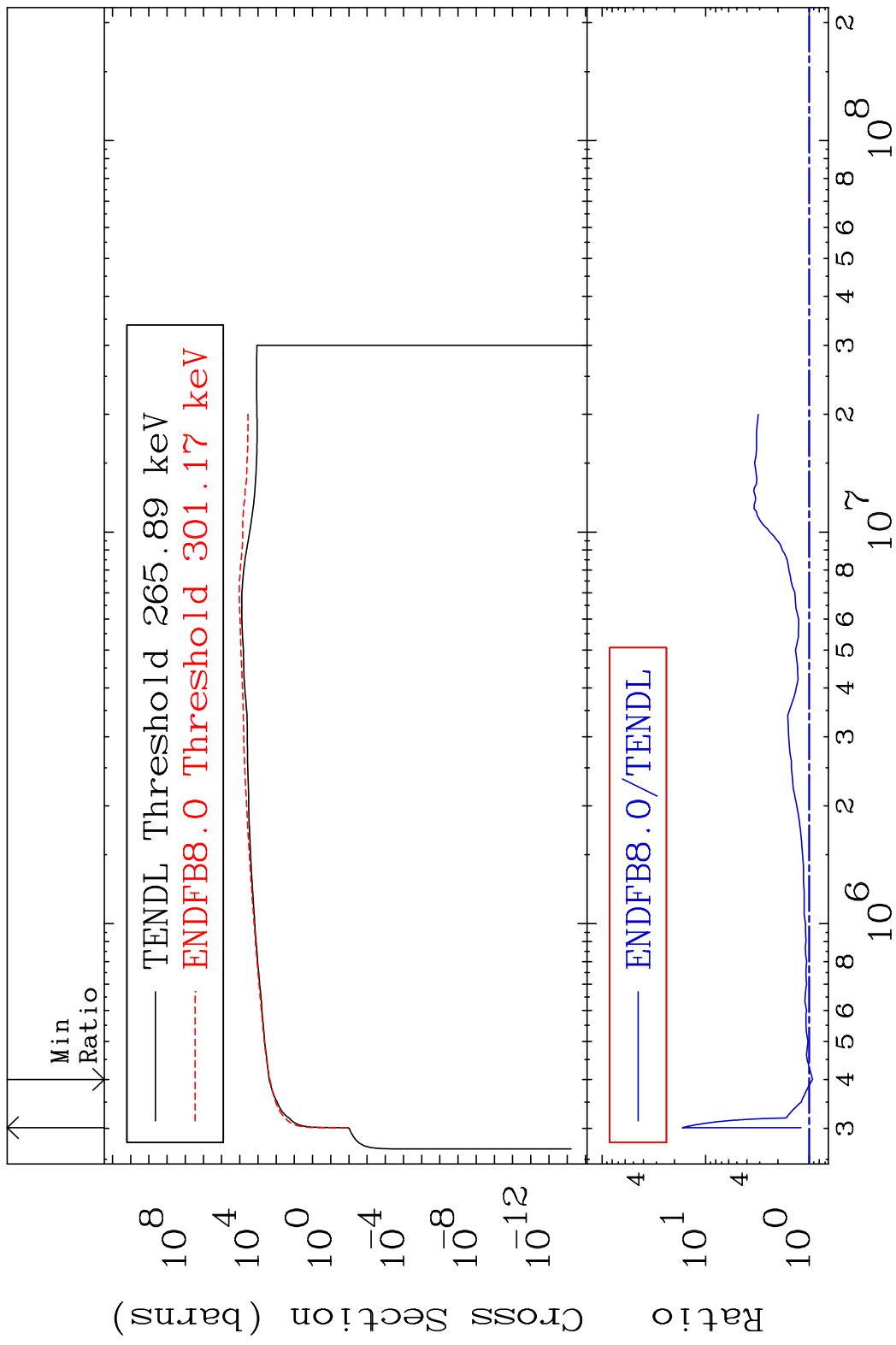


48

Incident Energy (eV)

48-Cd-113

MAT 4846 Dpa inelastic (mt51-91) 48-Cd-113
 Cross Section -7.410 To 1580. %



MAT 4846 Dpa disappearance (mt102 -120) 48-Cd-113
 Cross Section -99.83 To 9999. %

