

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

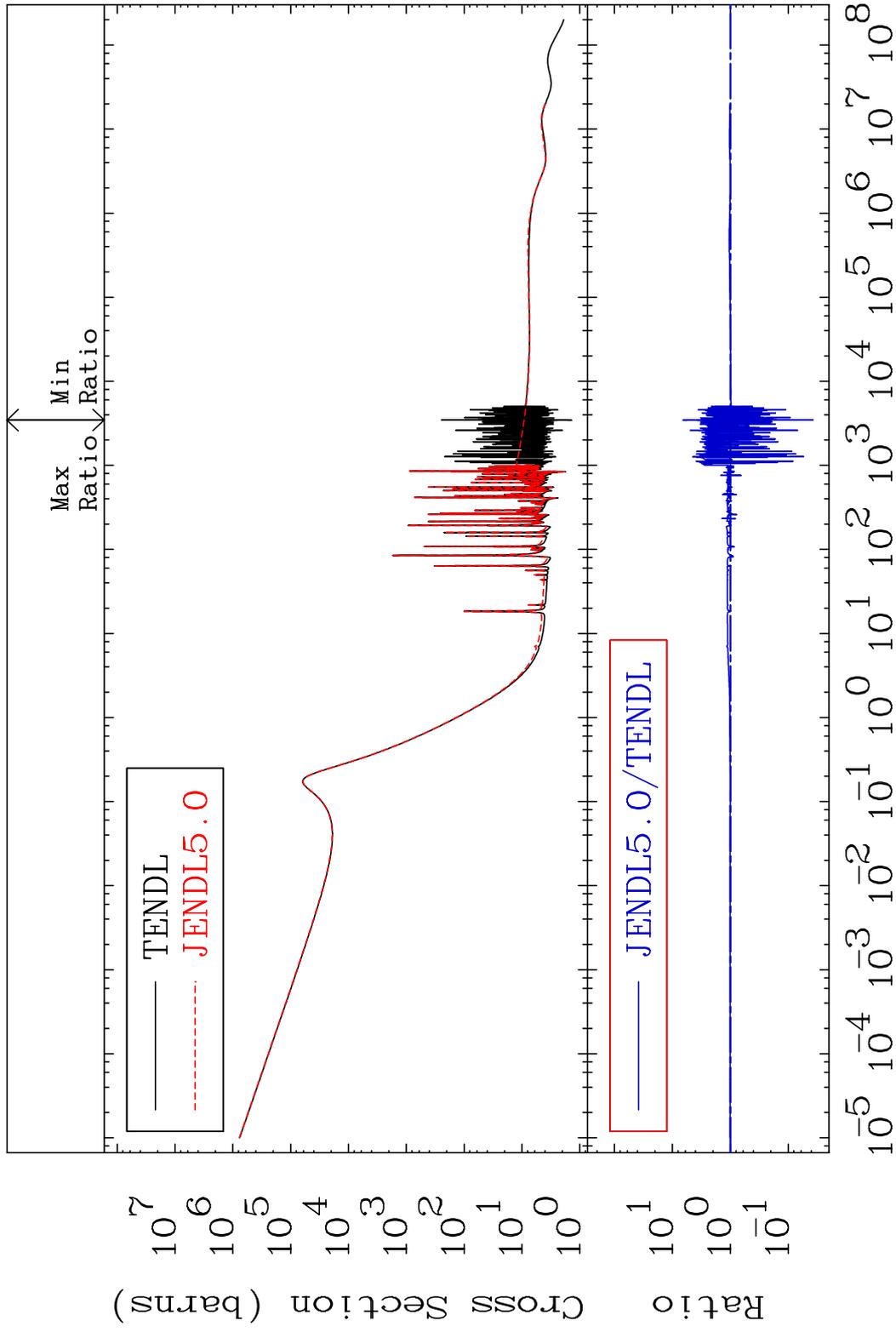
Press Mouse Button to Start

MAT 4846

Total

48-Cd-113

Cross Section -96.28 To 561.1 %



1

Incident Energy (eV)

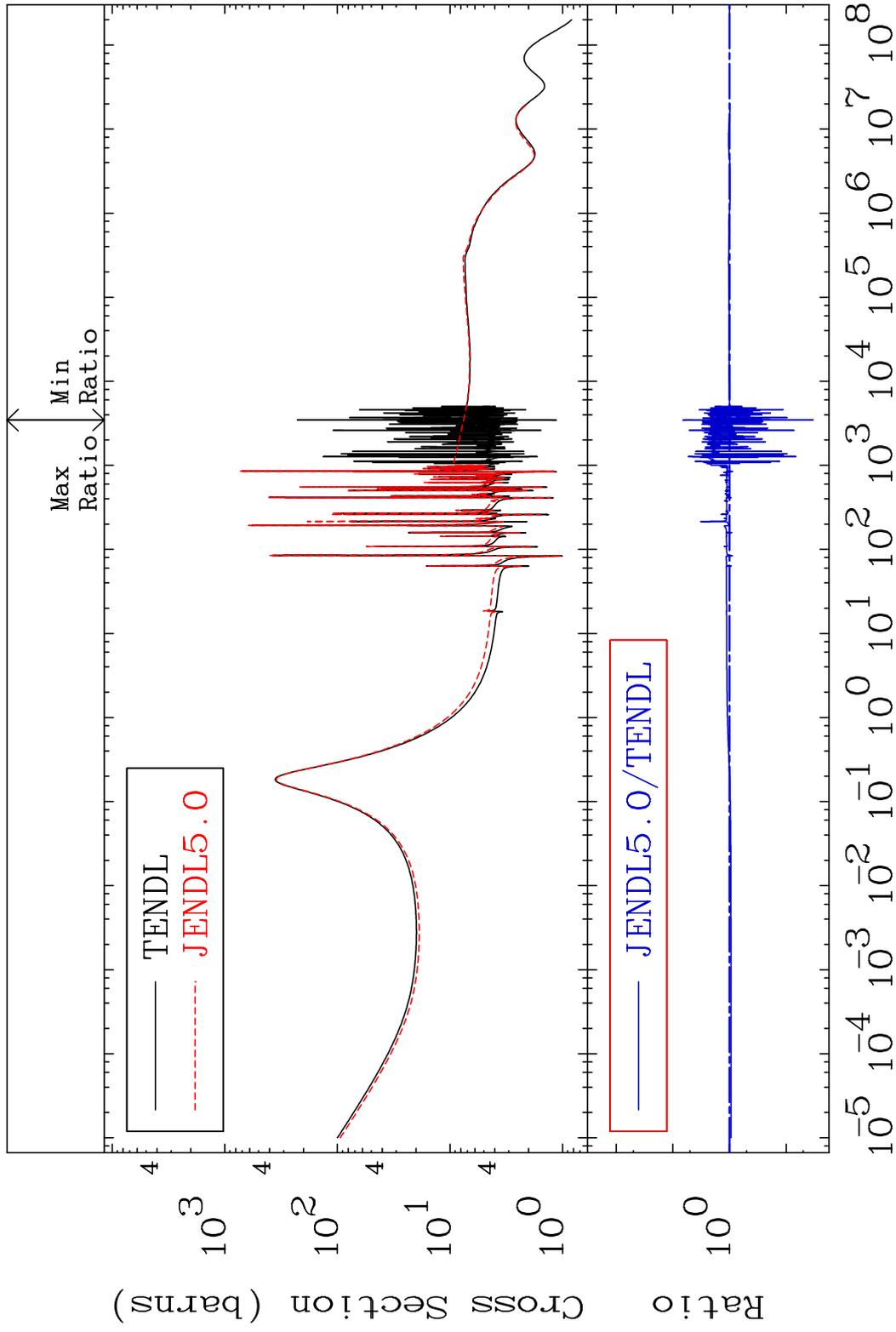
48-Cd-113

MAT 4846

Elastic

48-Cd-113

Cross Section -96.66 To 566.7 %

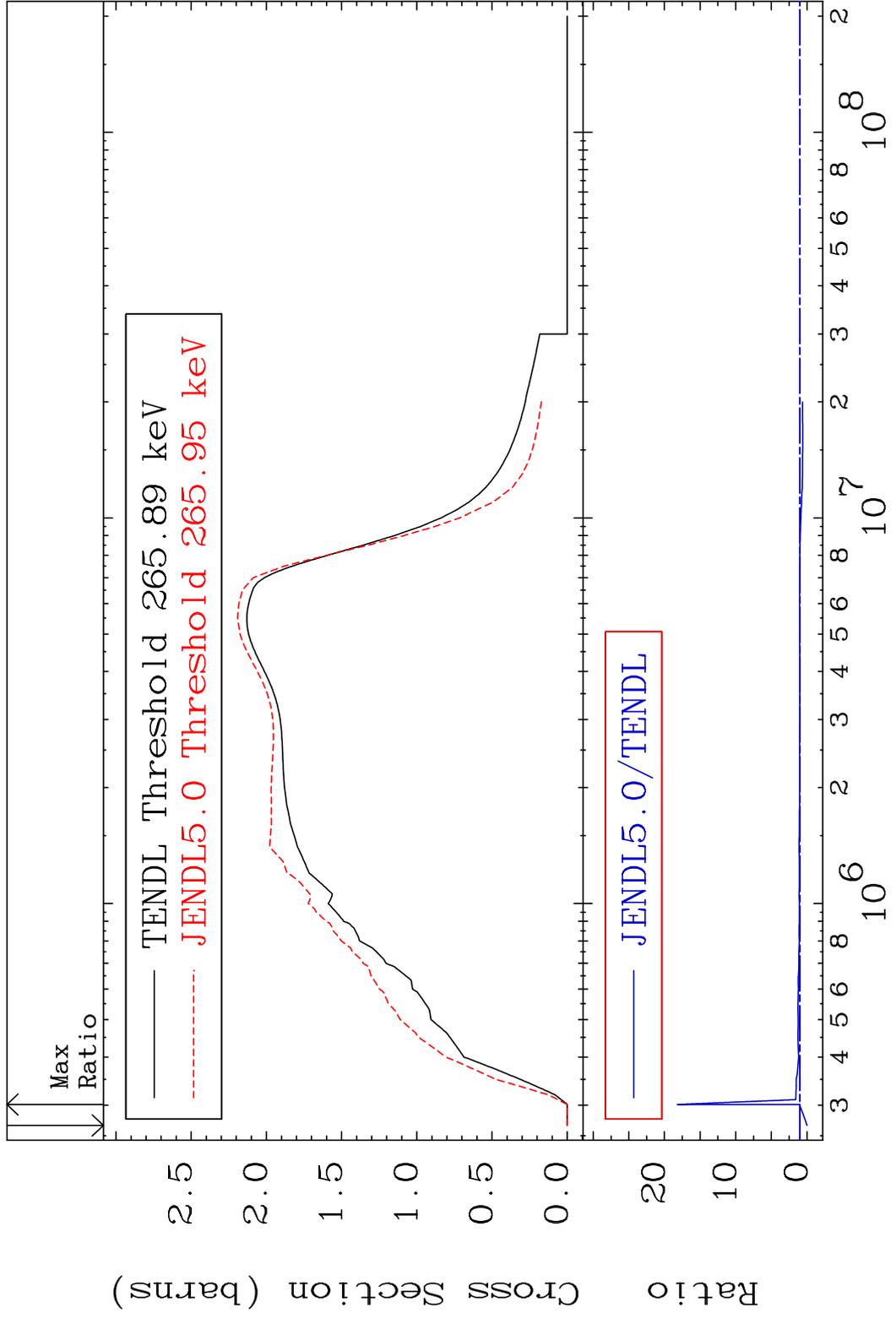


2

Incident Energy (eV)

48-Cd-113

MAT 4846 Inelastic 48-Cd-113
 Cross Section -100.0 To 1715. %

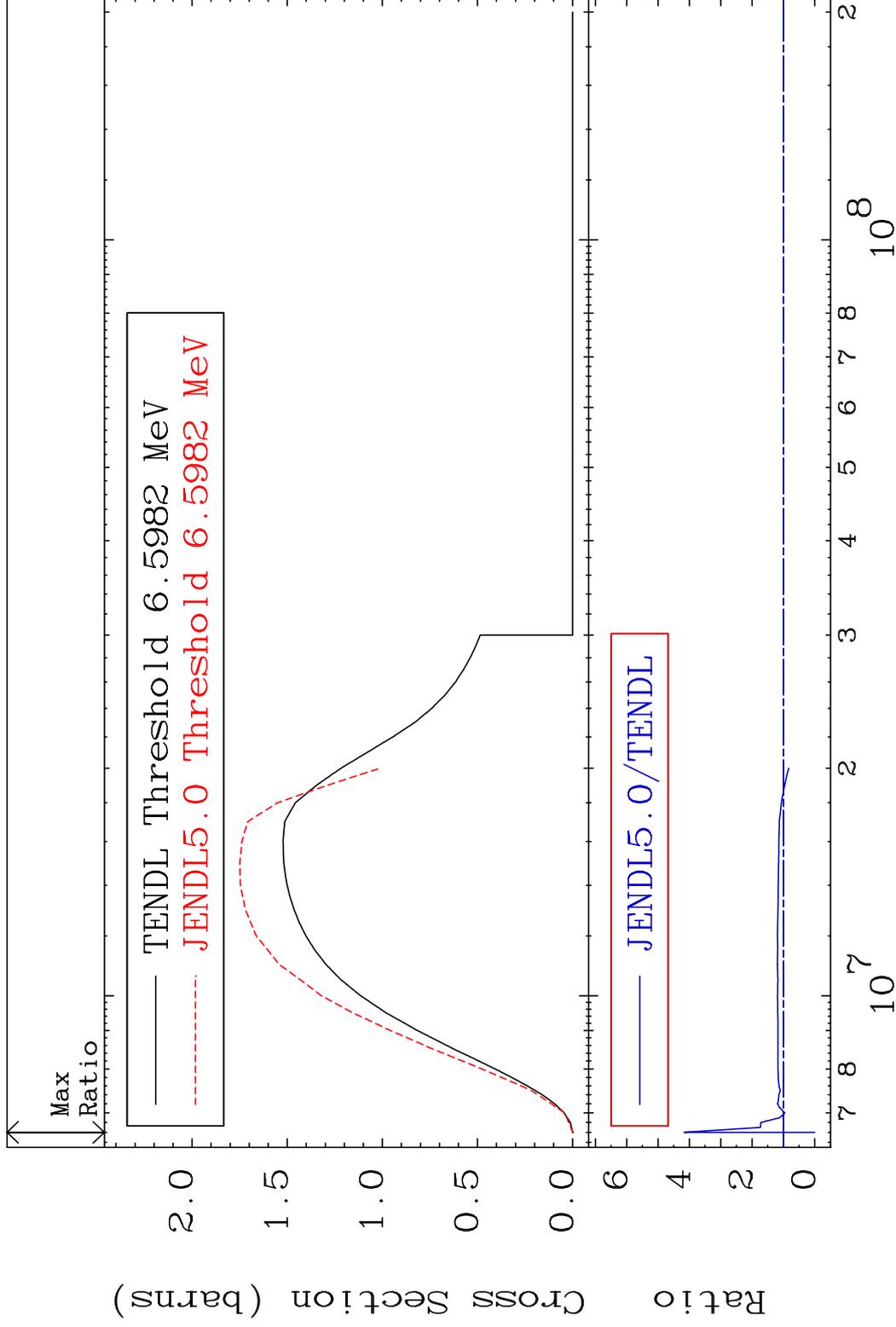


MAT 4846

(n,2n)

48-Cd-113

Cross Section -100.0 To 316.7 %



4

Incident Energy (eV)

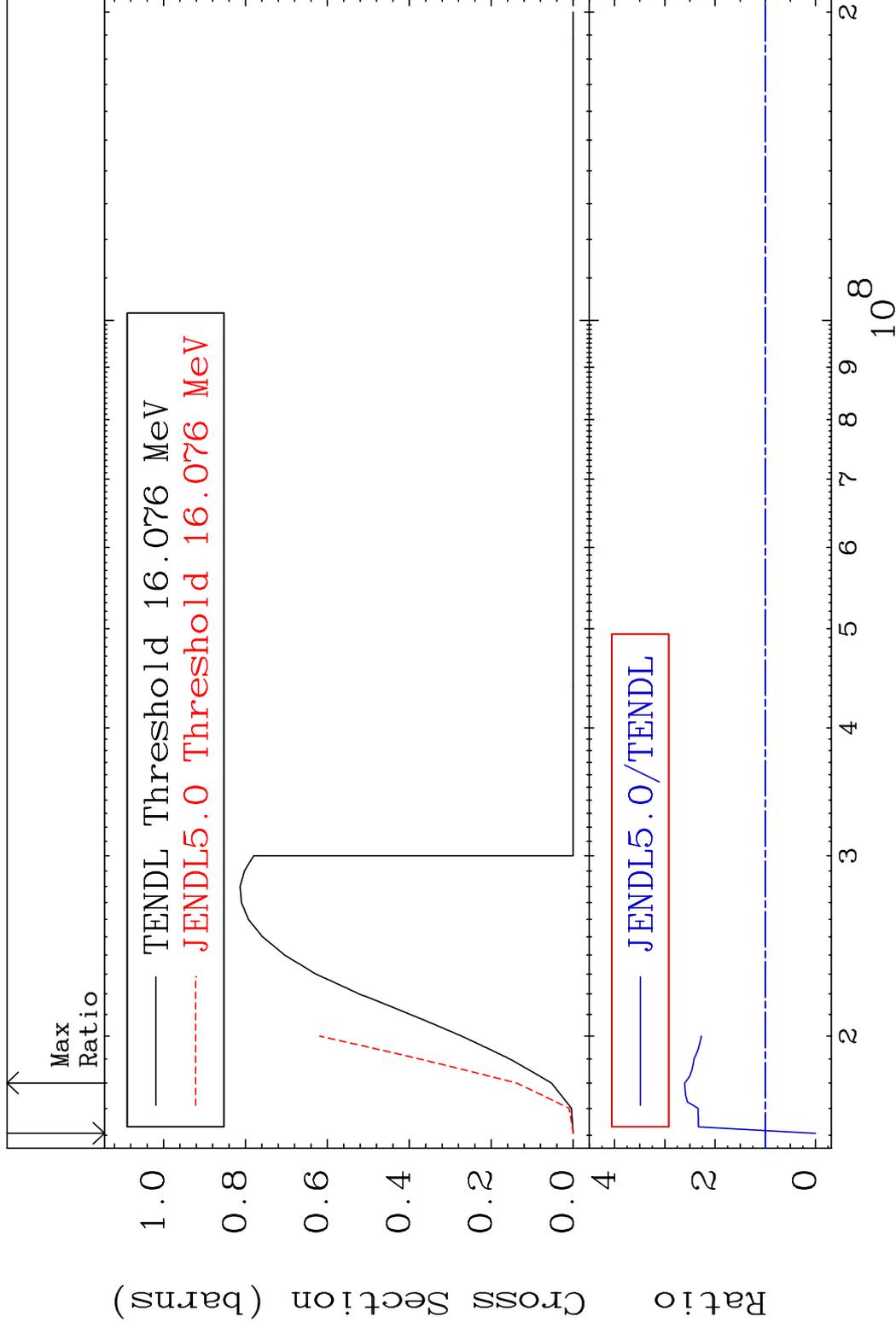
48-Cd-113

MAT 4846

(n,3n)

48-Cd-113

Cross Section -100.0 To 160.2 %



5

Incident Energy (eV)

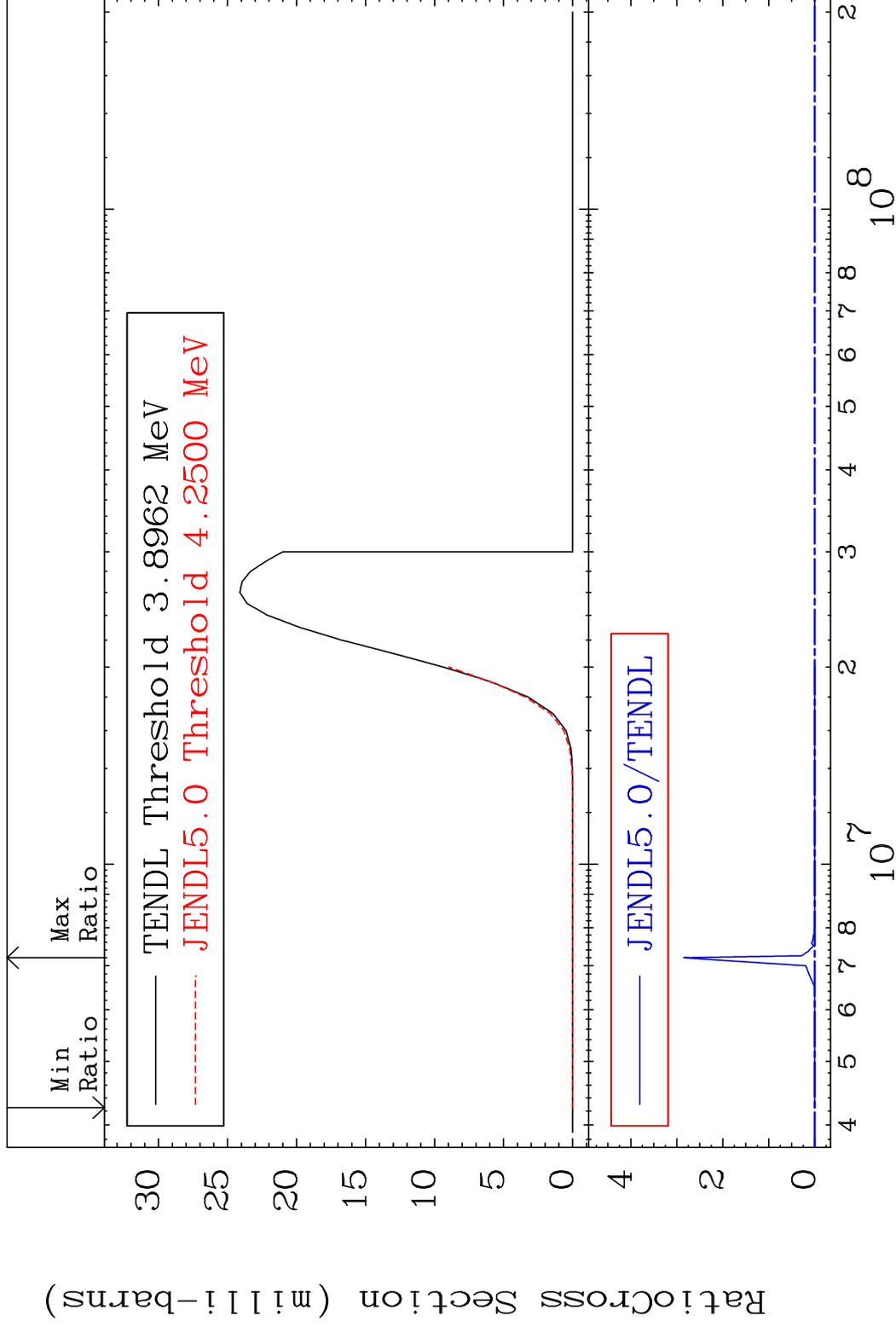
48-Cd-113

MAT 4846

(n, n') α

48-Cd-113

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

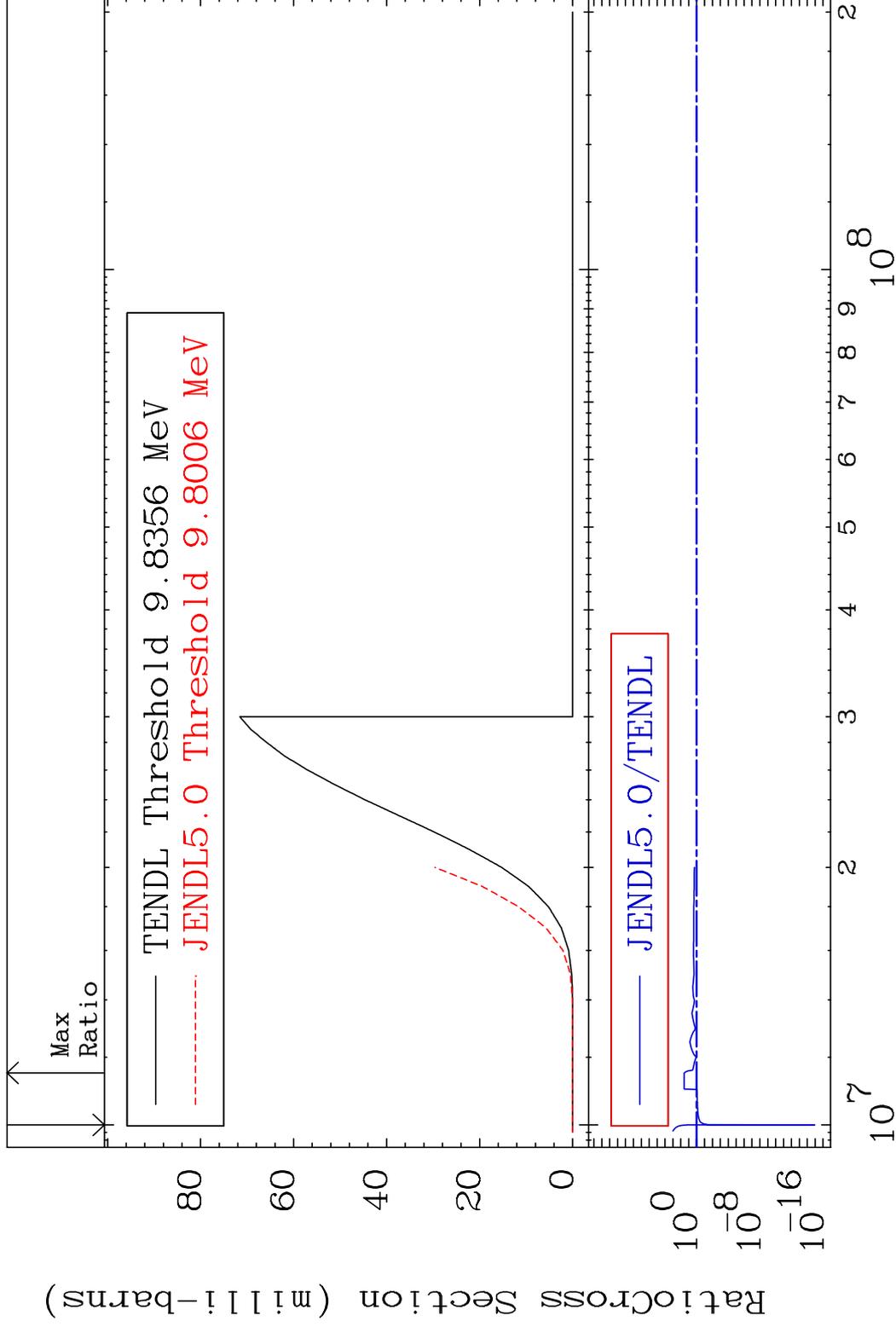
48-Cd-113

MAT 4846

(n, n') p

48-Cd-113

Cross Section -100.0 To 3707. %

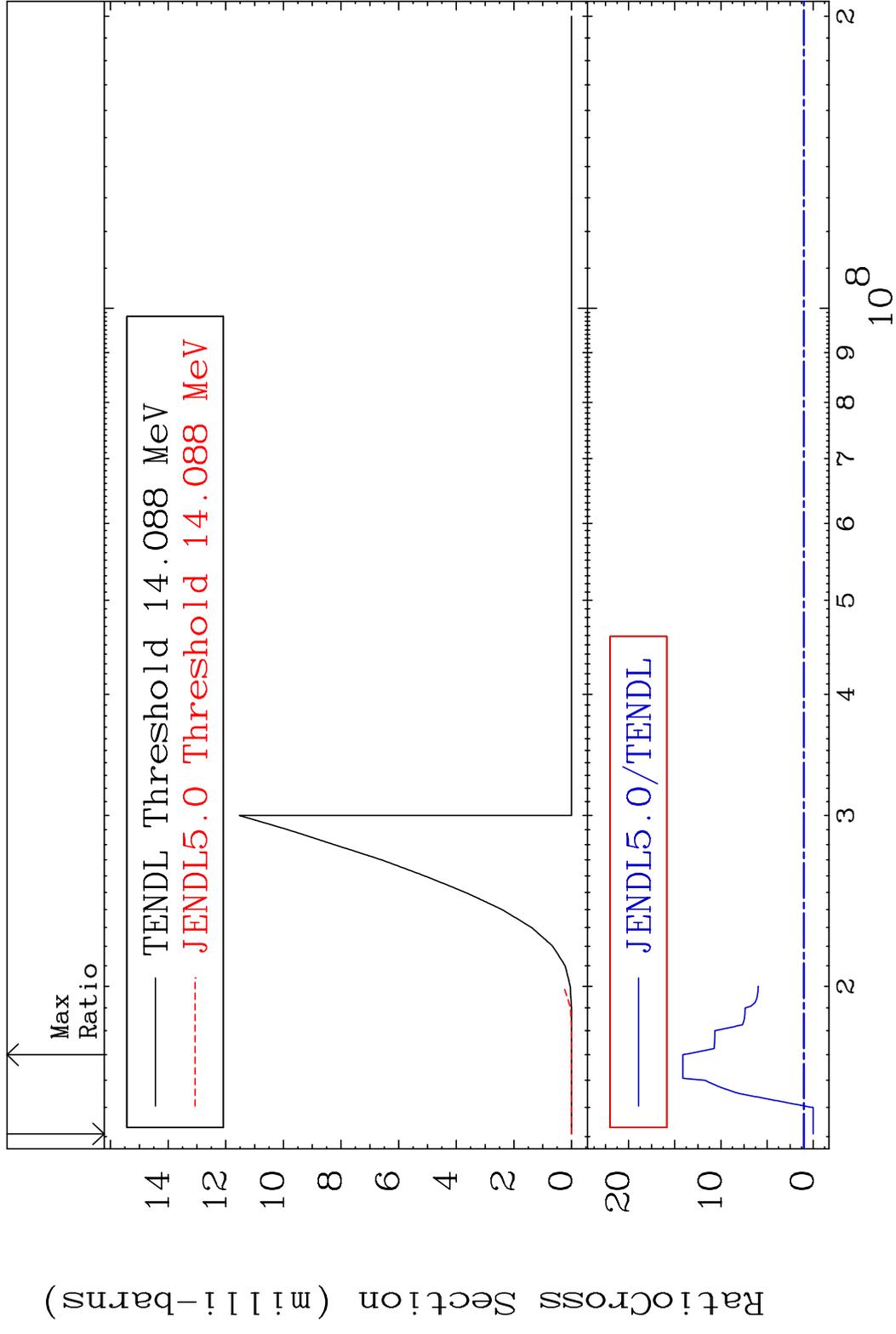


7

Incident Energy (eV)

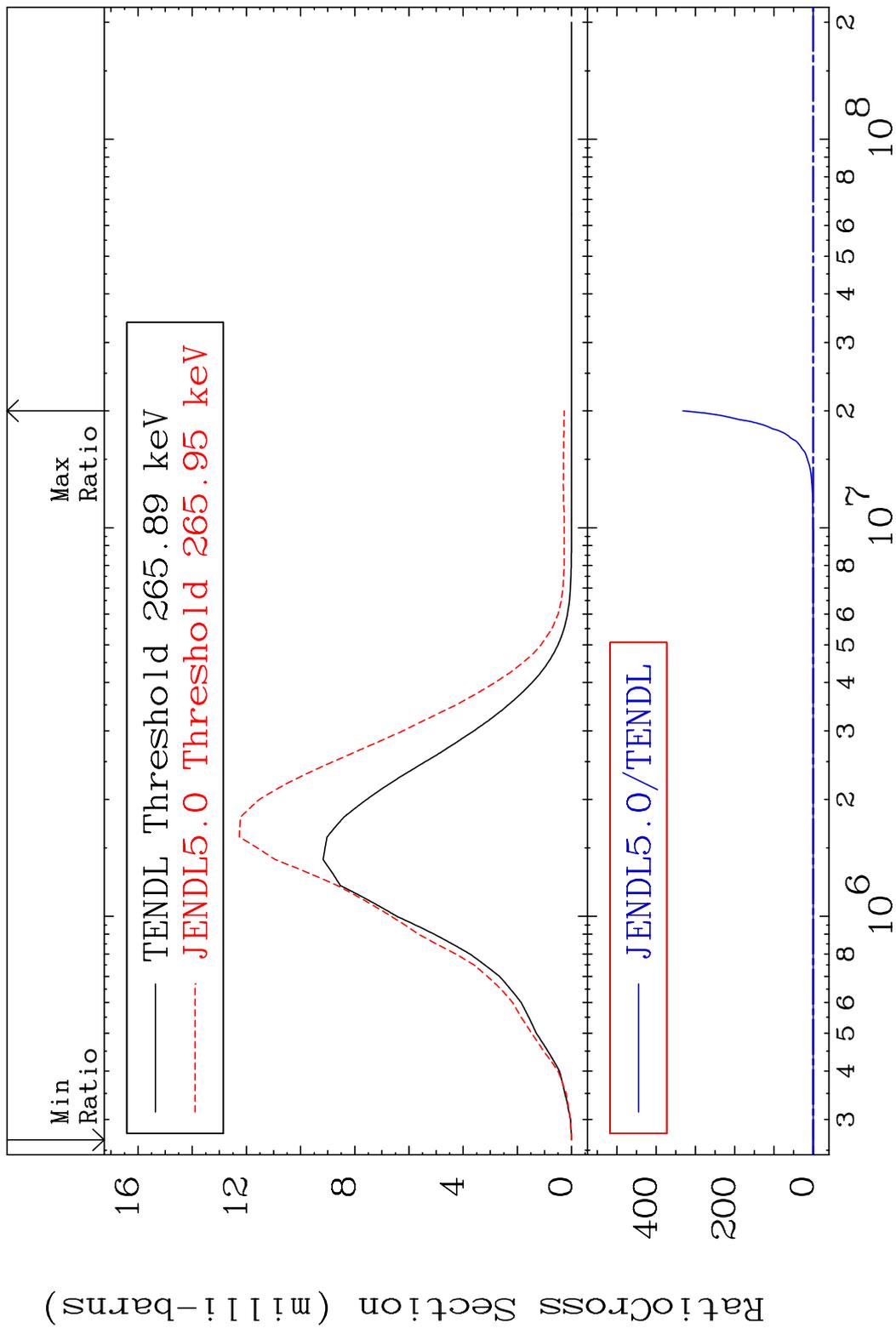
48-Cd-113

MAT 4846 (n, n') d 48-Cd-113
 Cross Section -100.0 To 1313. %

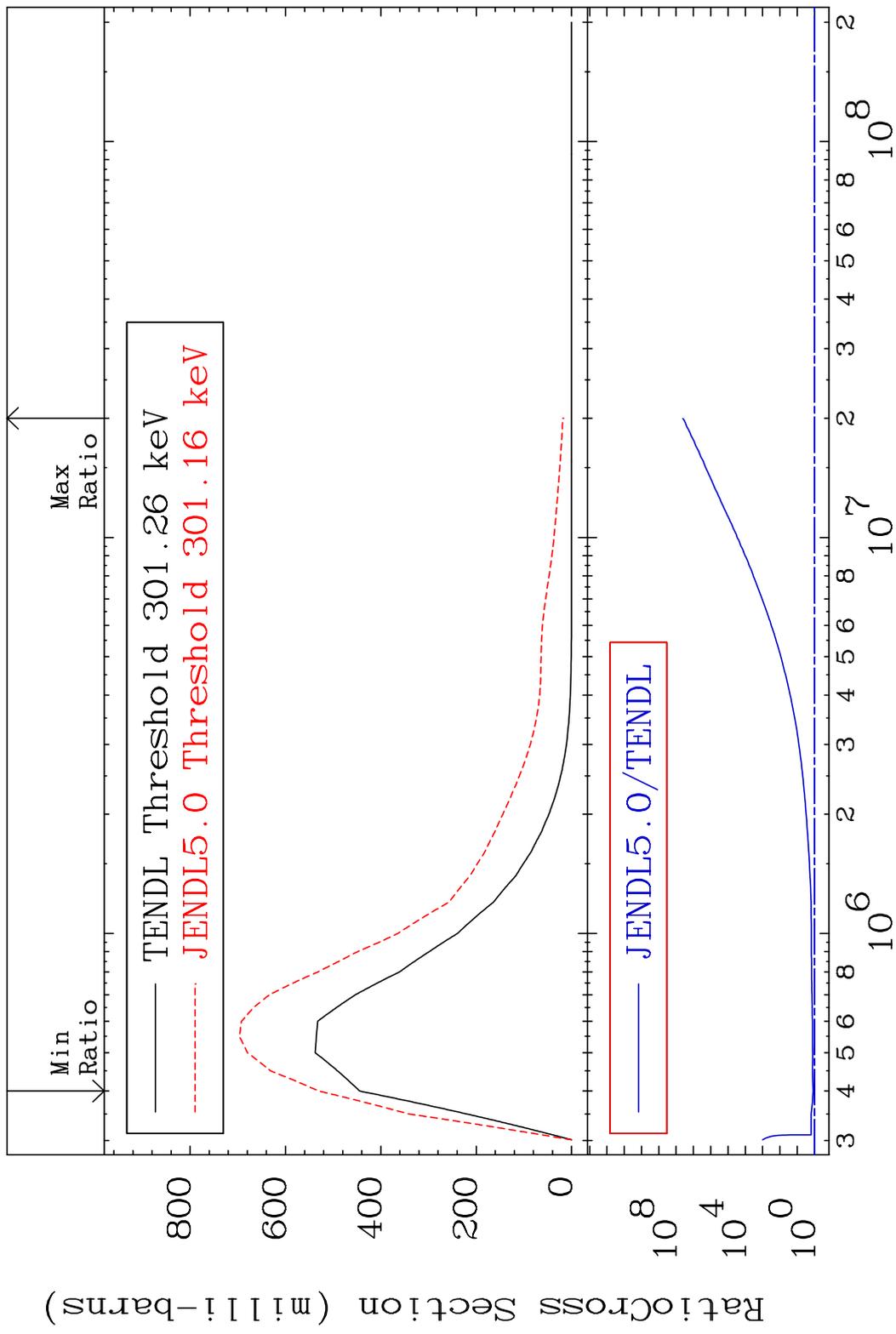


8 Incident Energy (eV) 48-Cd-113

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

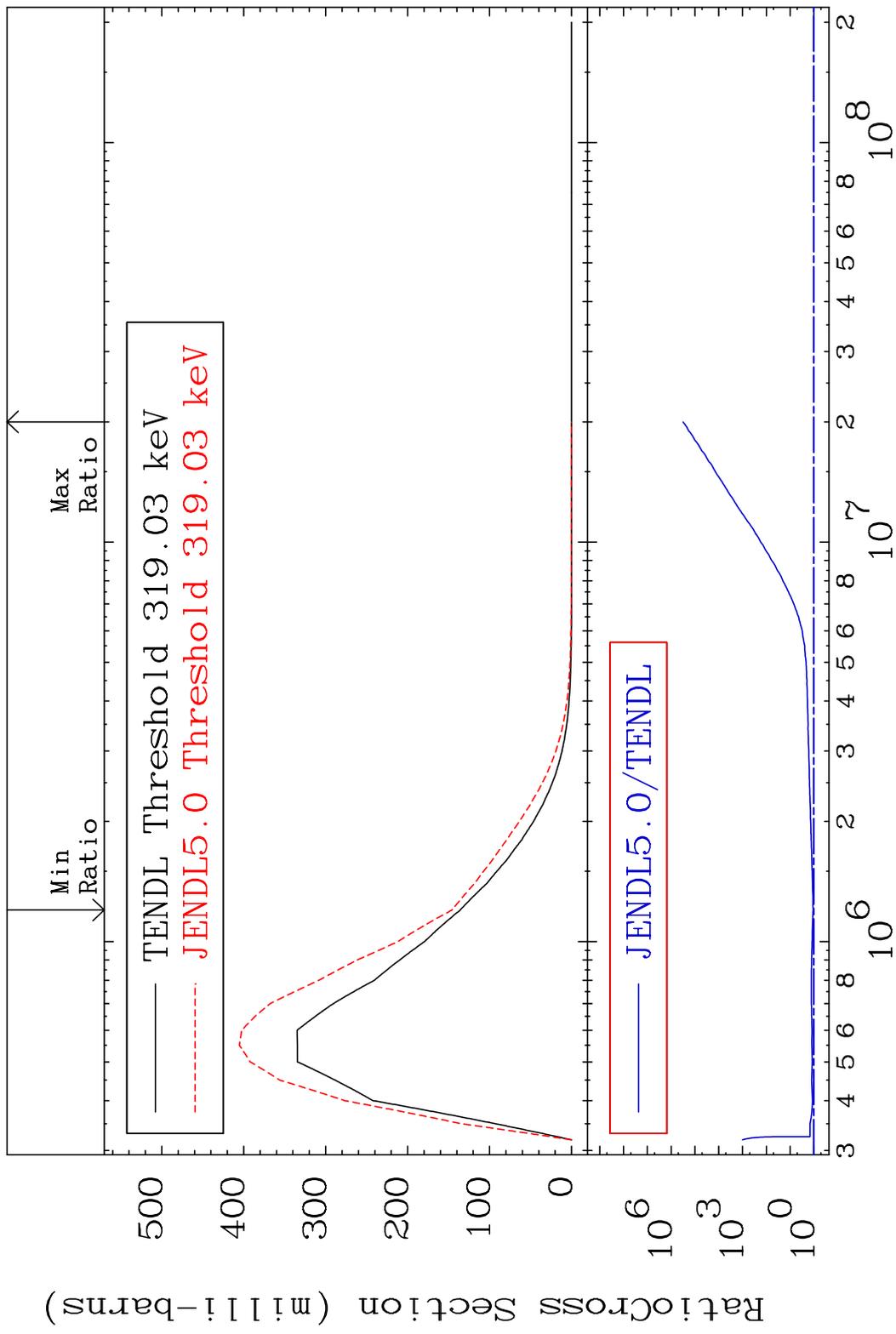


MAT 4846 MT= 52 (n, n') Level 48-Cd-113
 Cross Section 19.27 To 9999. %

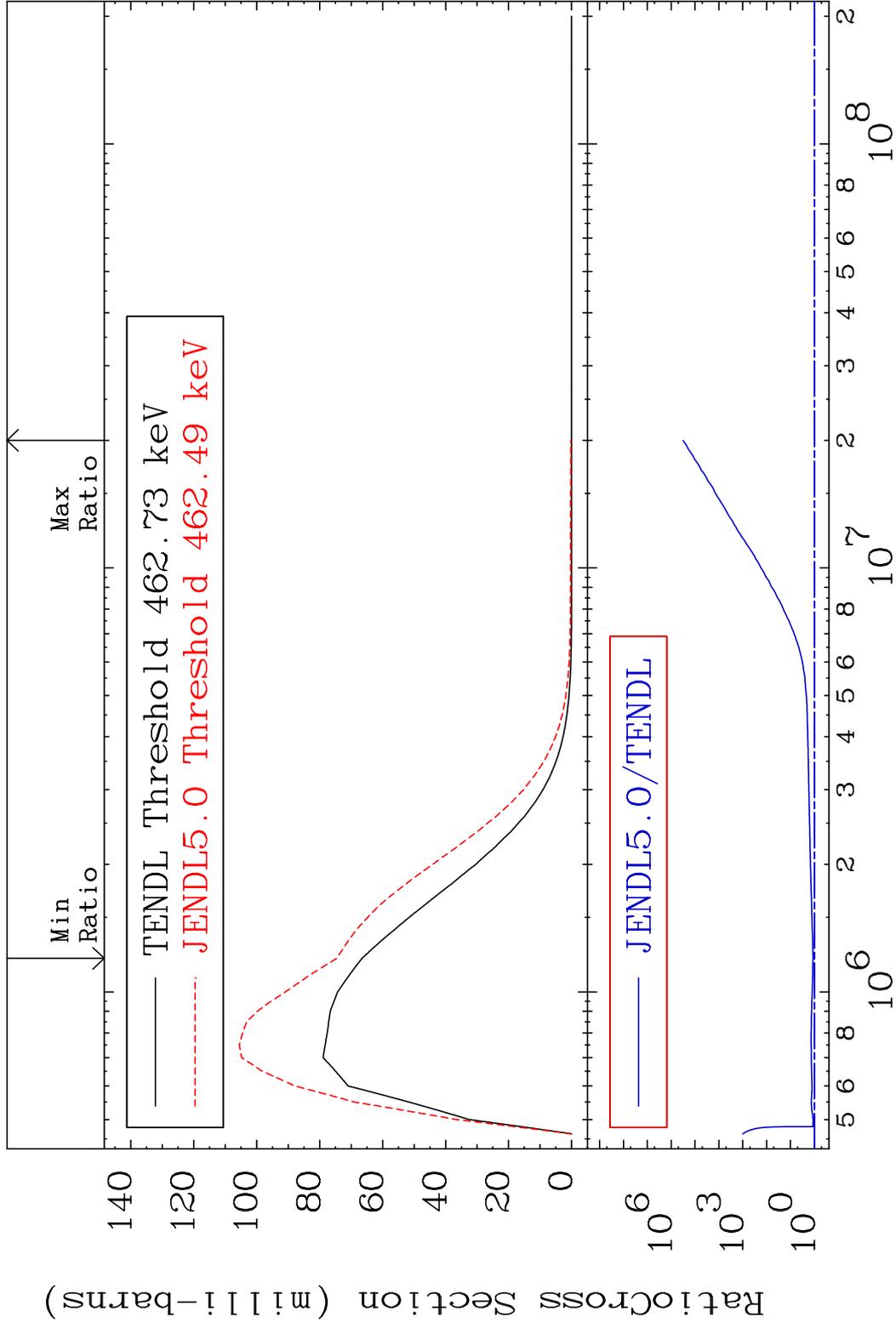


10 Incident Energy (eV) 48-Cd-113

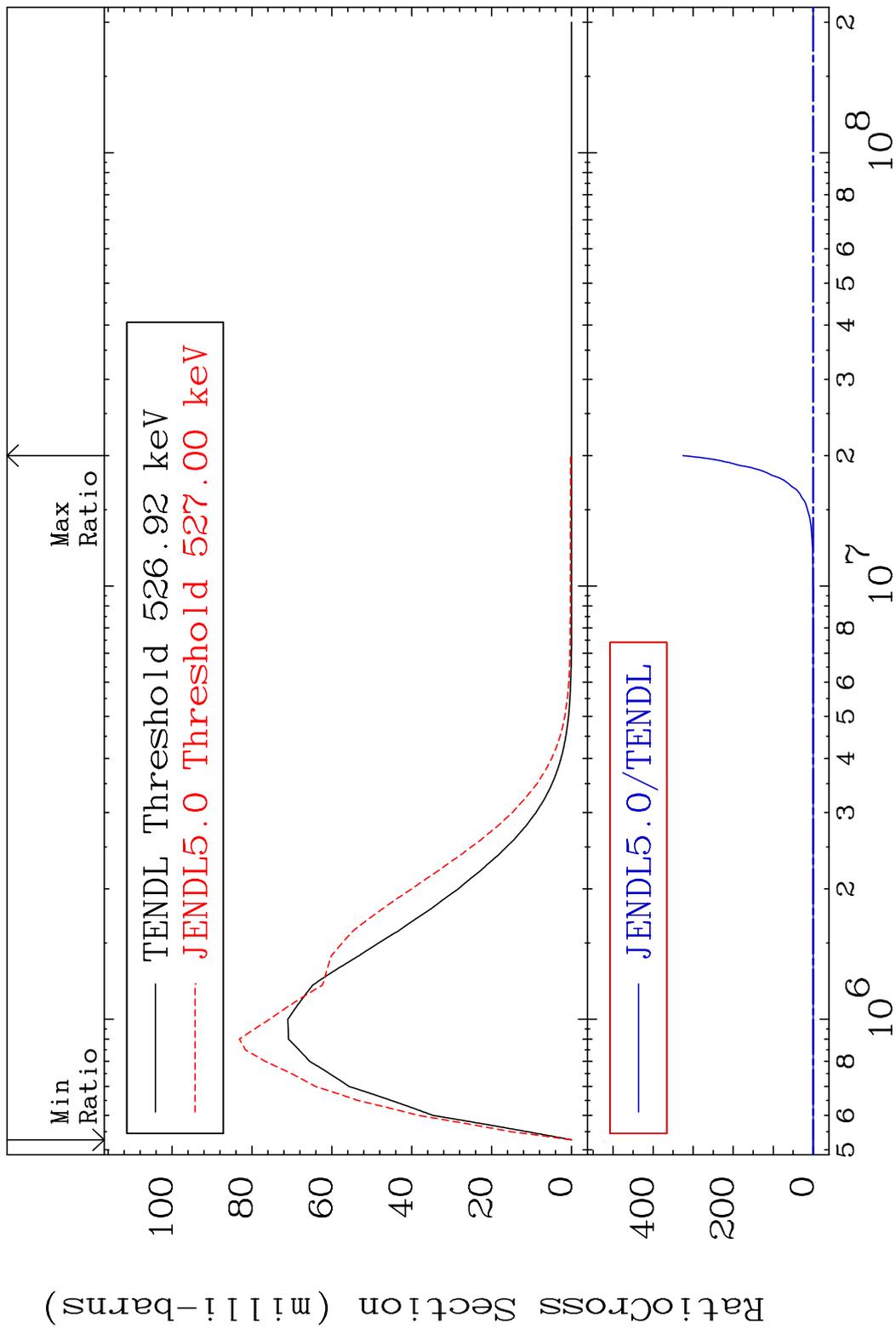
MAT 4846 MT= 53 (n,n') Level 48-Cd-113
 Cross Section 7.365 To 9999. %



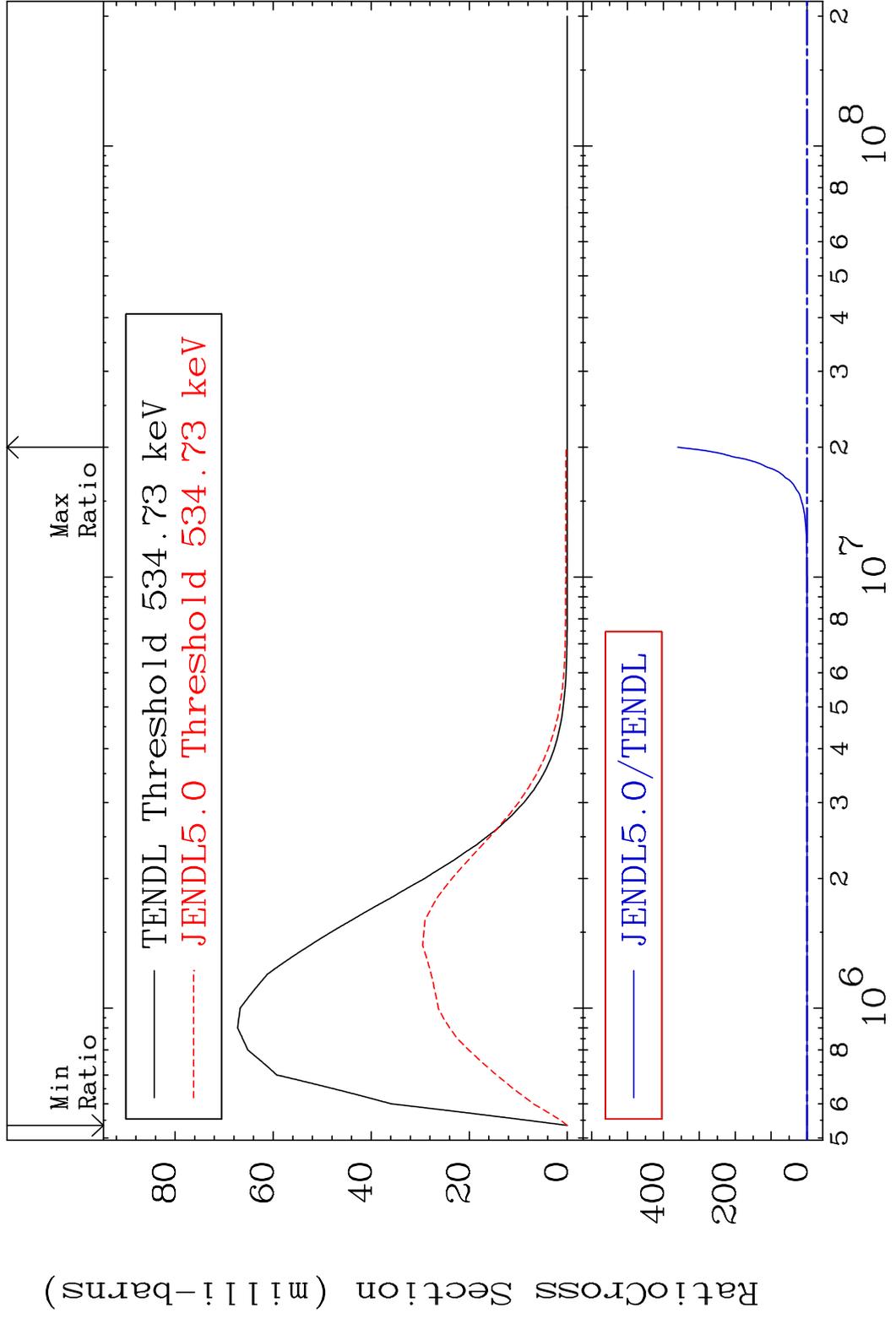
MAT 4846 MT= 54 (n, n') Level 48-Cd-113
 Cross Section 12.07 To 9999. %



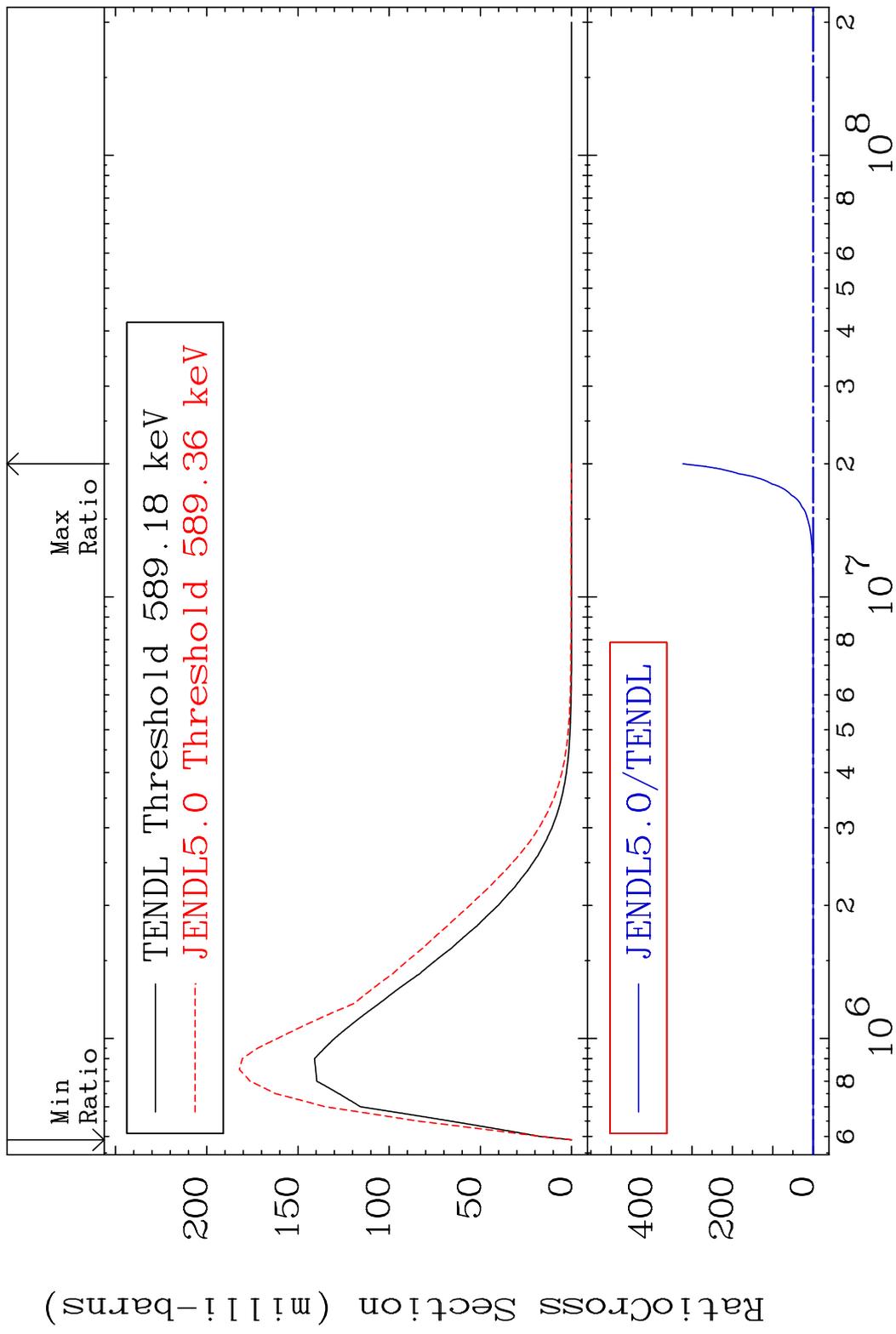
MAT 4846 MT= 55 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



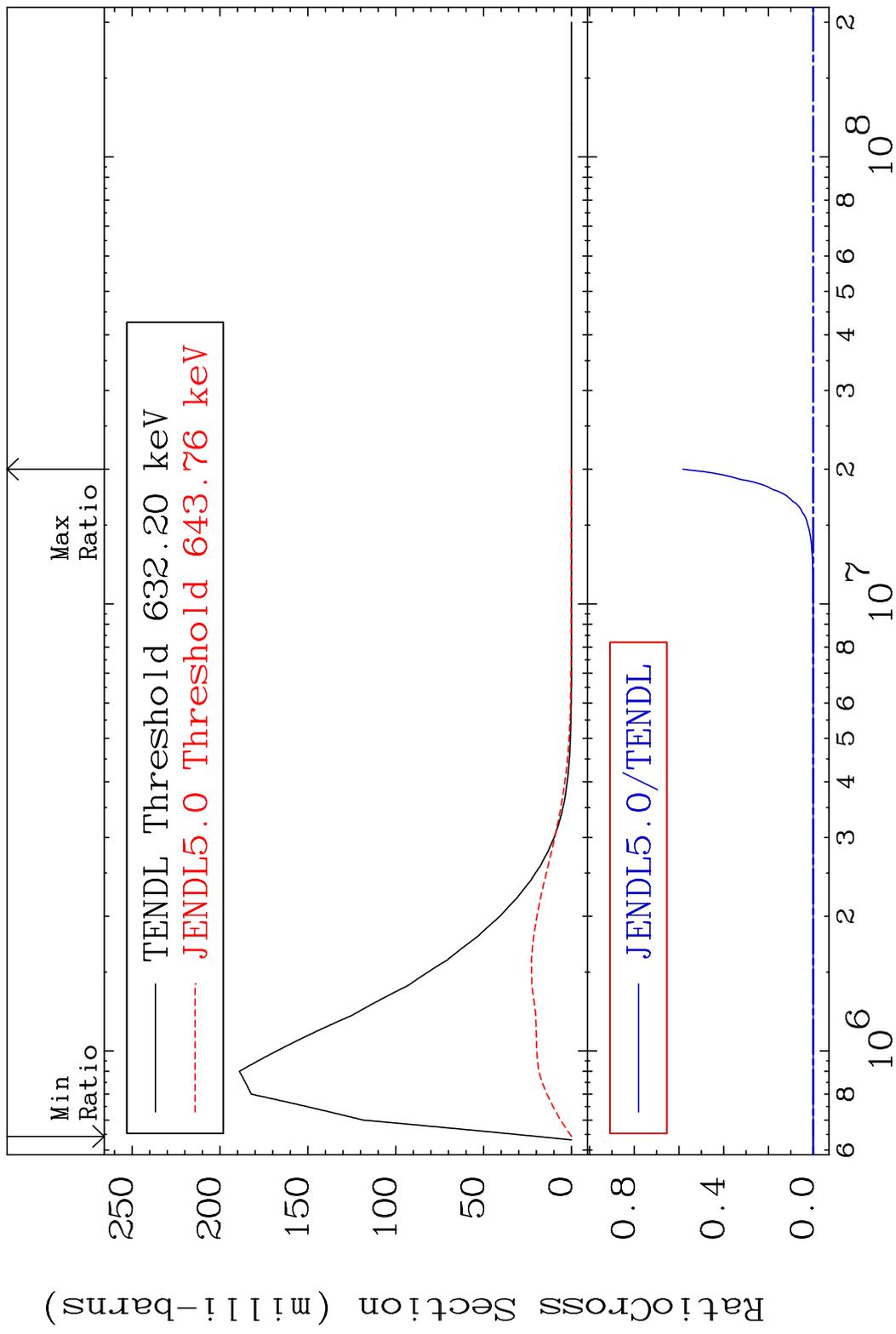
MAT 4846 MT= 56 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



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

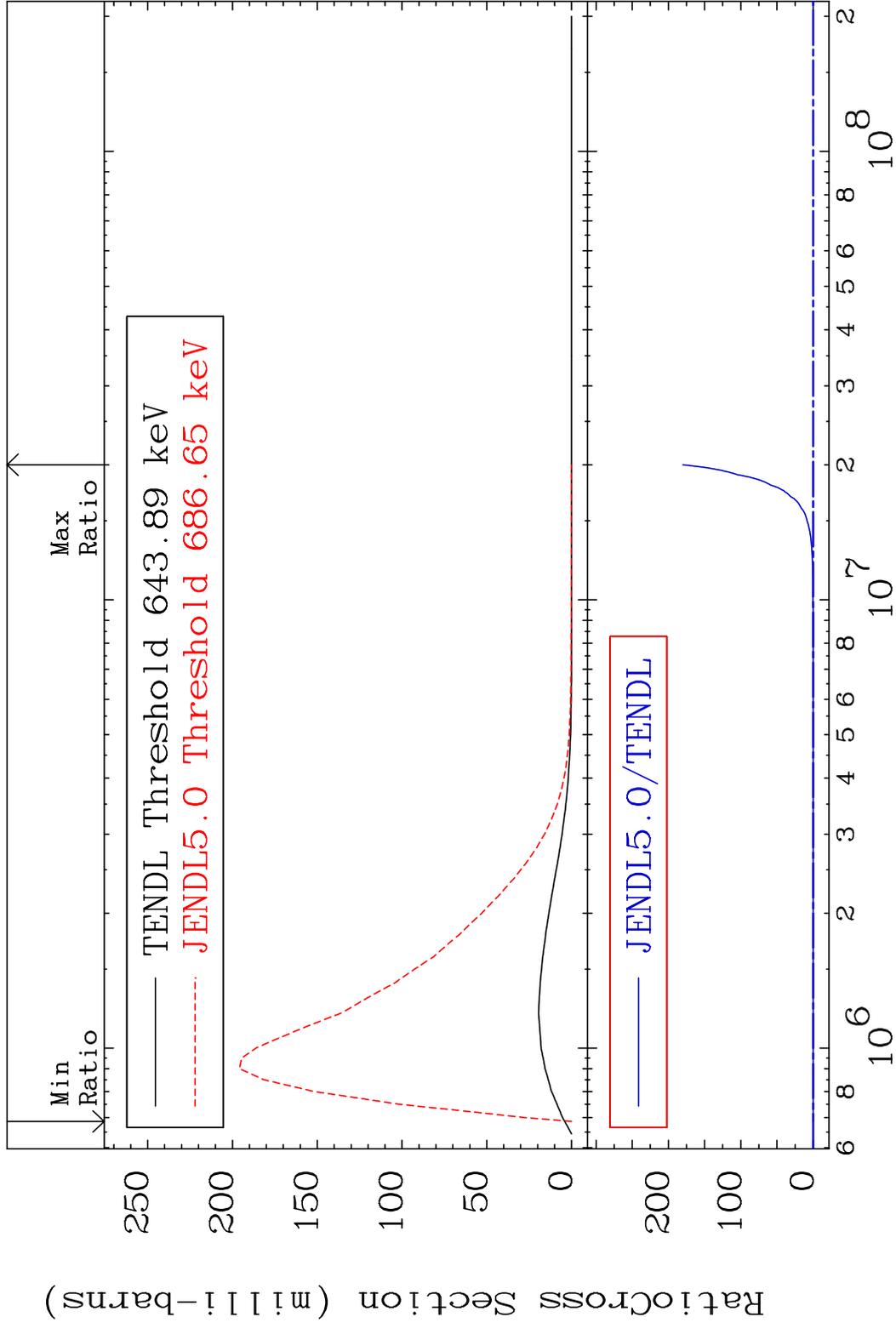


MAT 4846 MT= 58 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

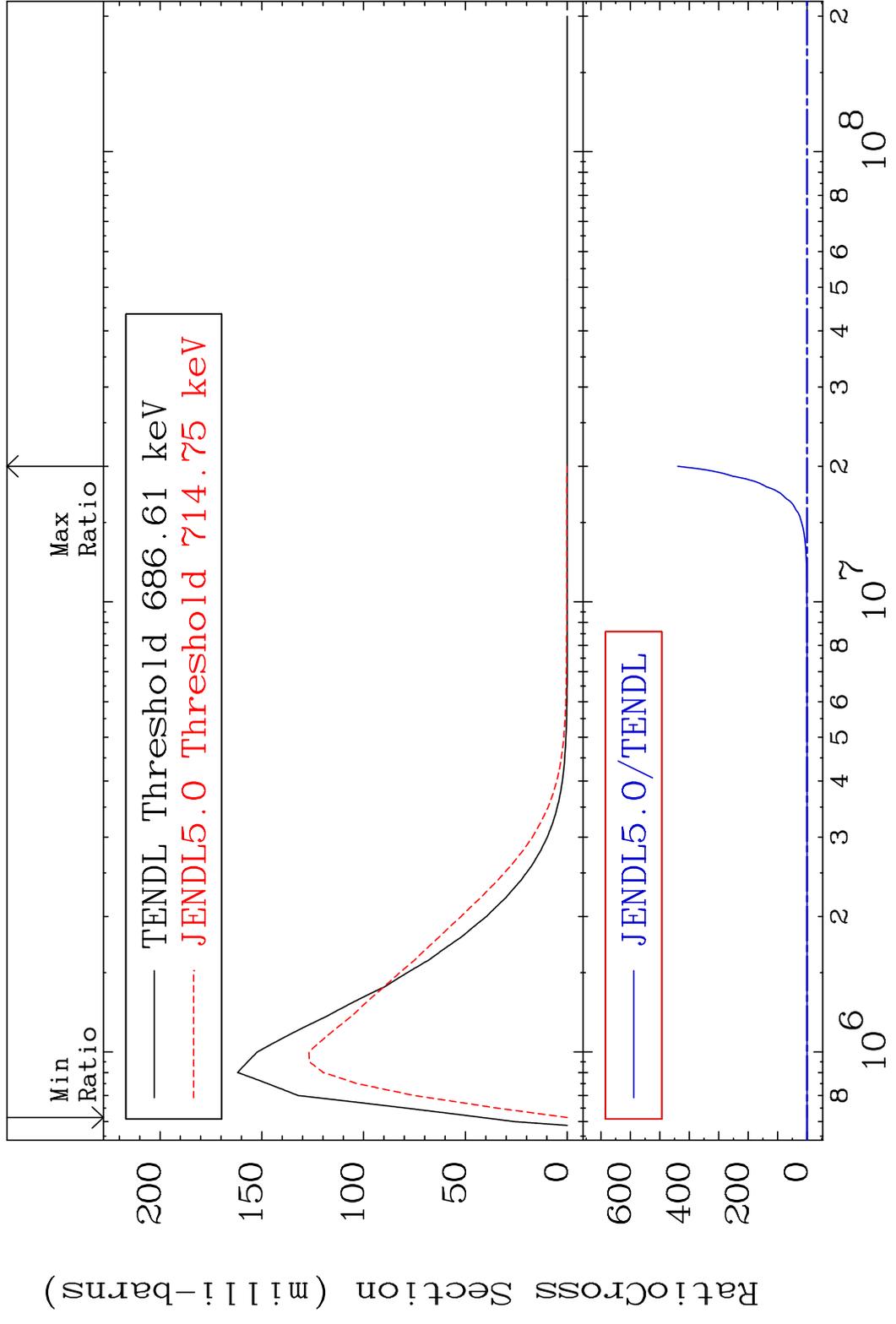


16 Incident Energy (eV) 48-Cd-113

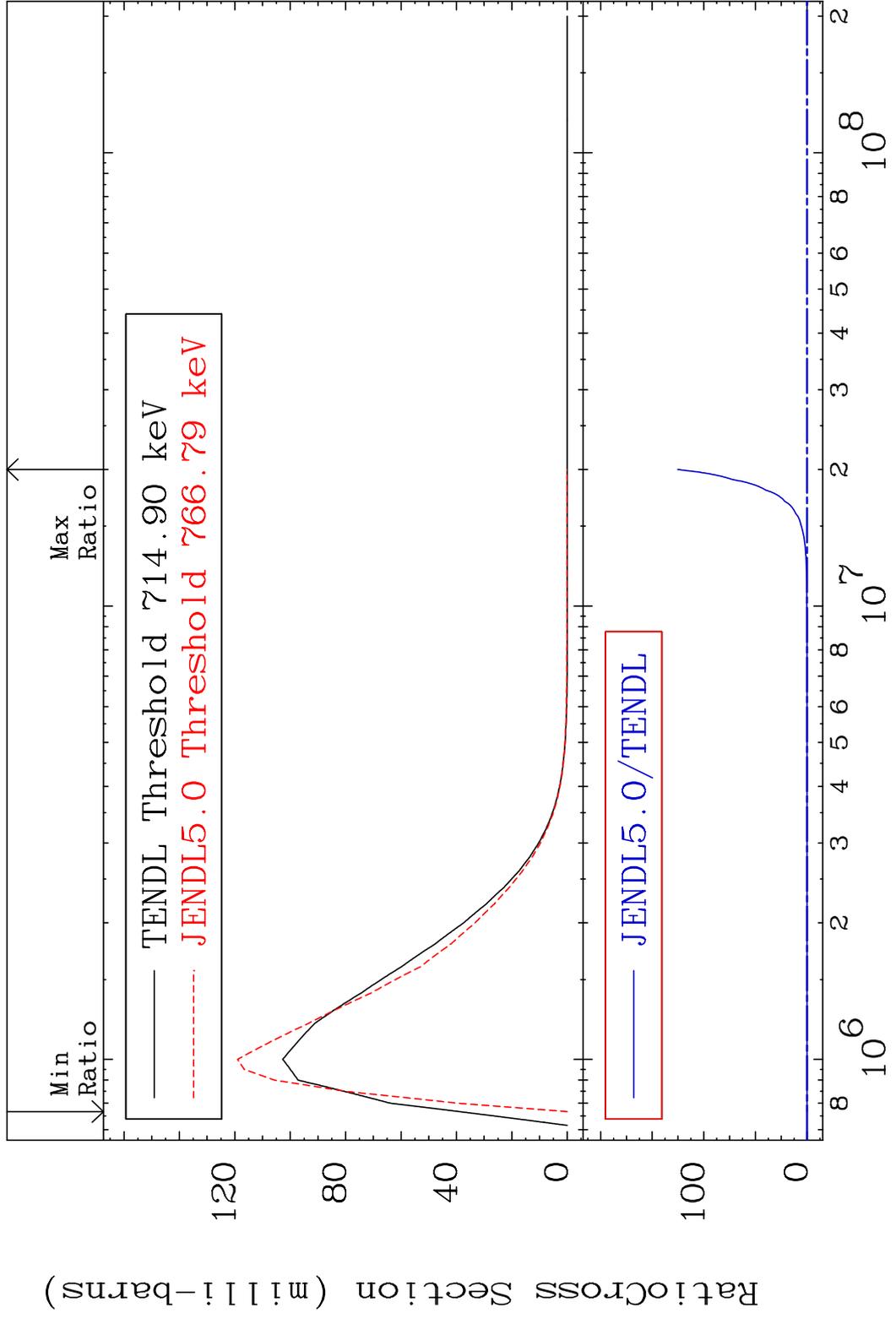
MAT 4846 MT= 59 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



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

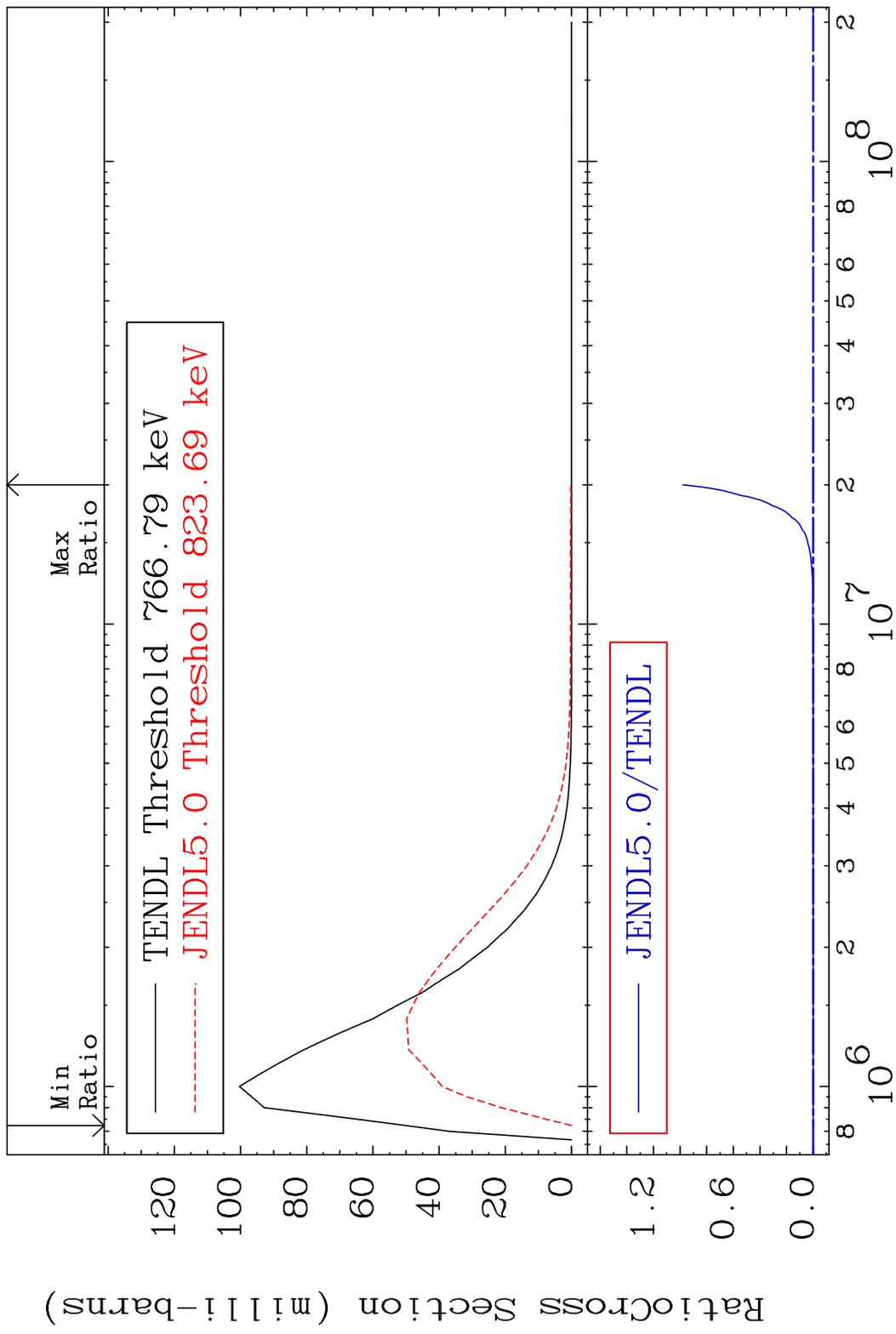


MAT 4846 MT= 61 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



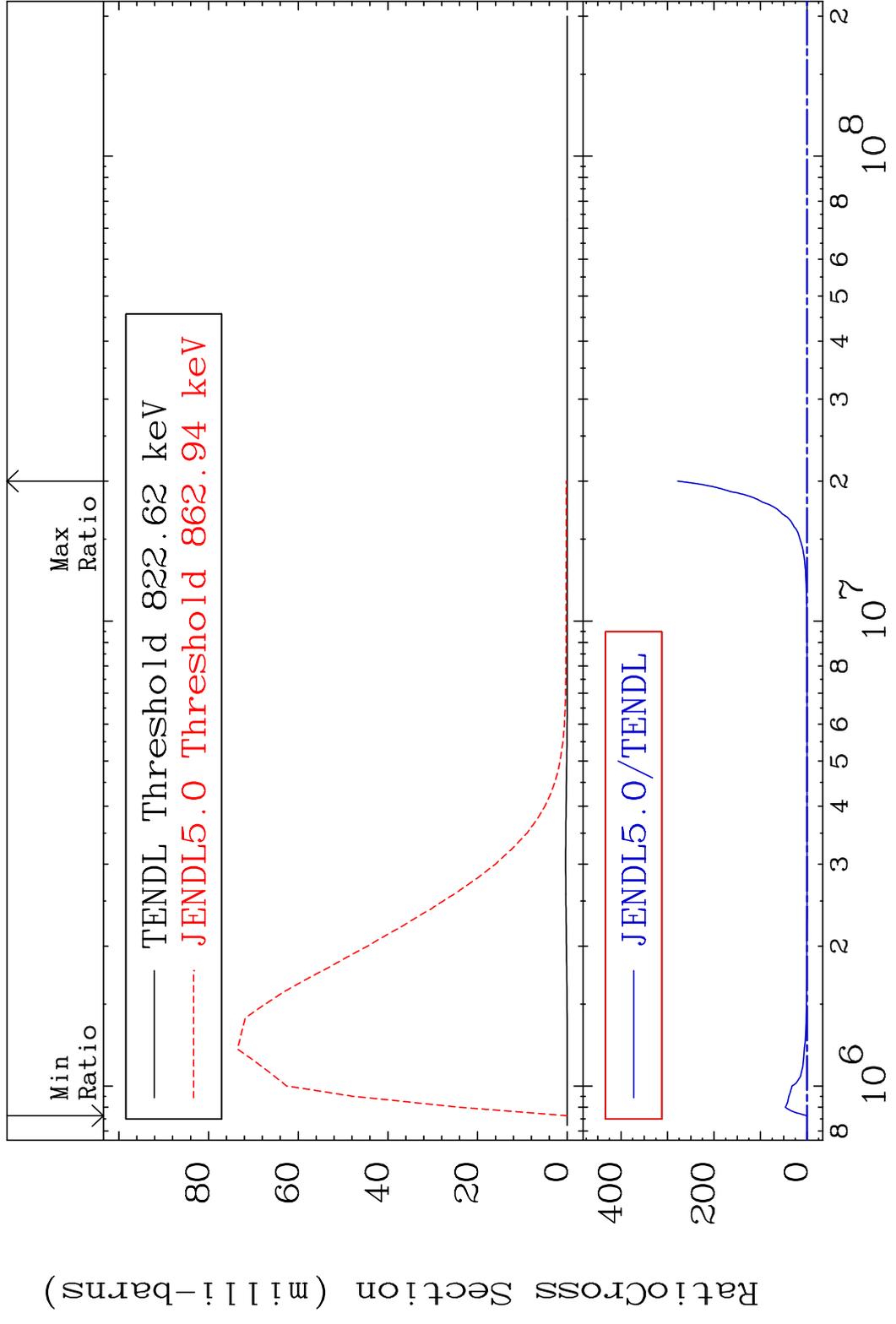
19 Incident Energy (eV) 48-Cd-113

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

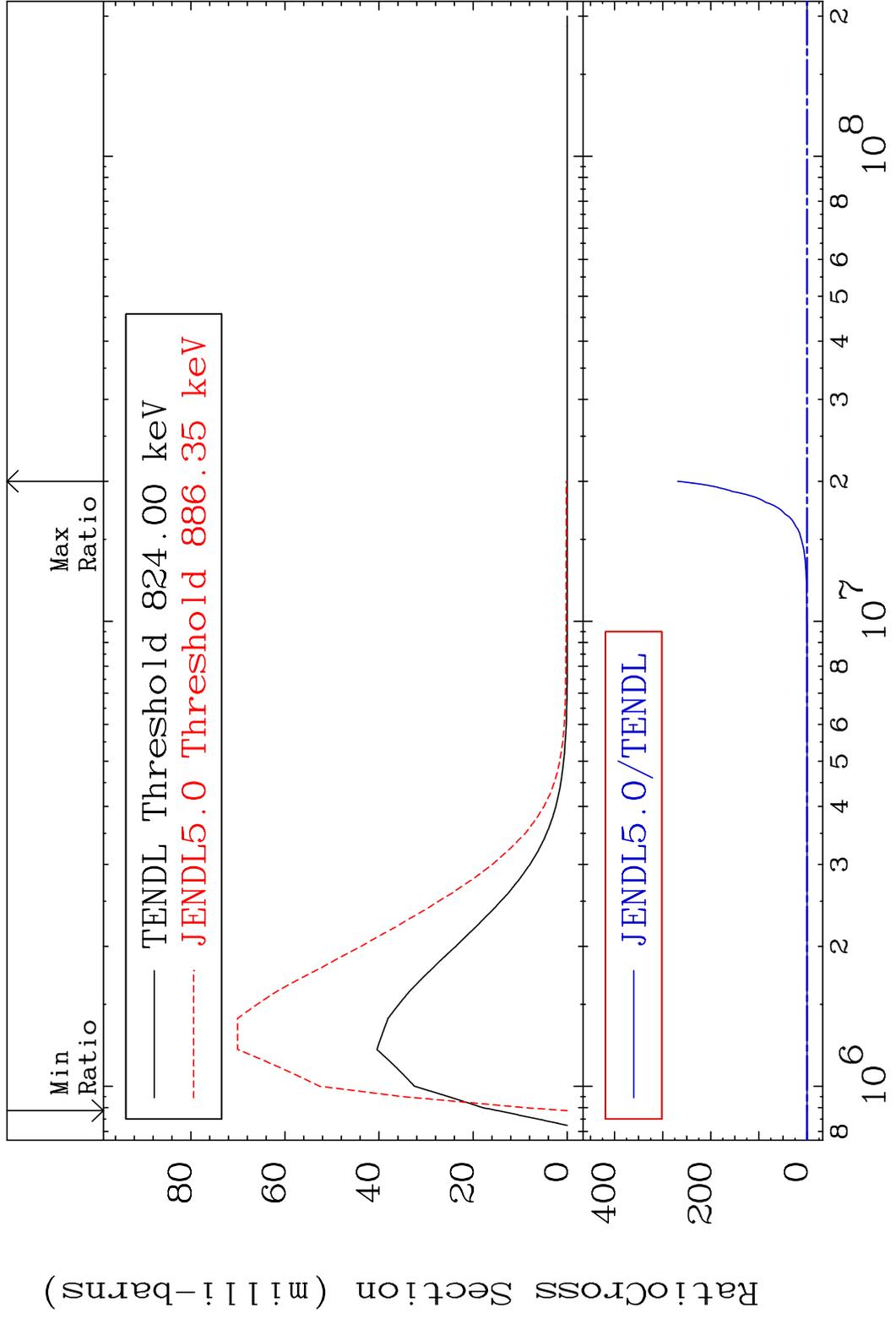


20 Incident Energy (eV) 48-Cd-113

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

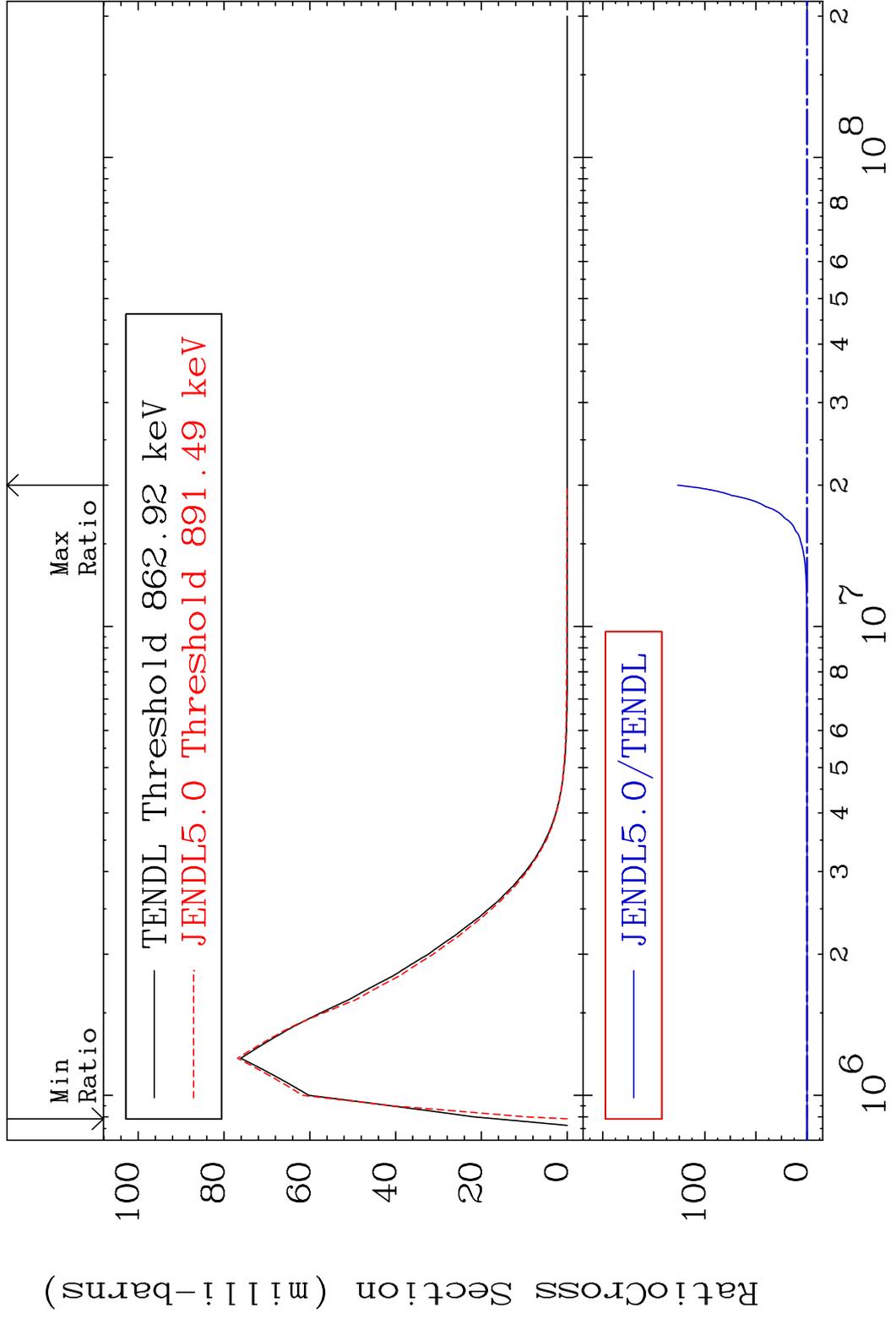


MAT 4846 MT= 64 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

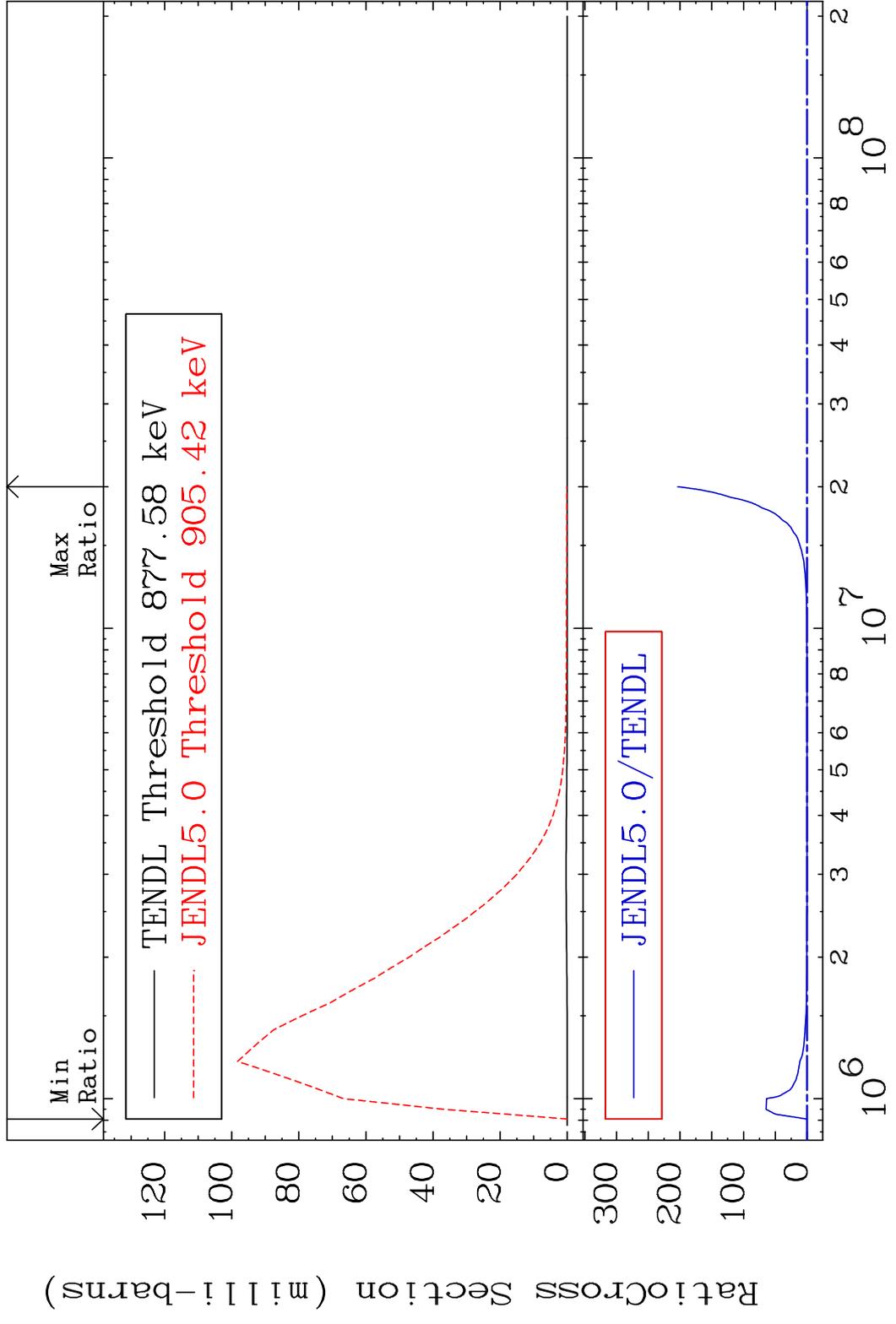


22 Incident Energy (eV) 48-Cd-113

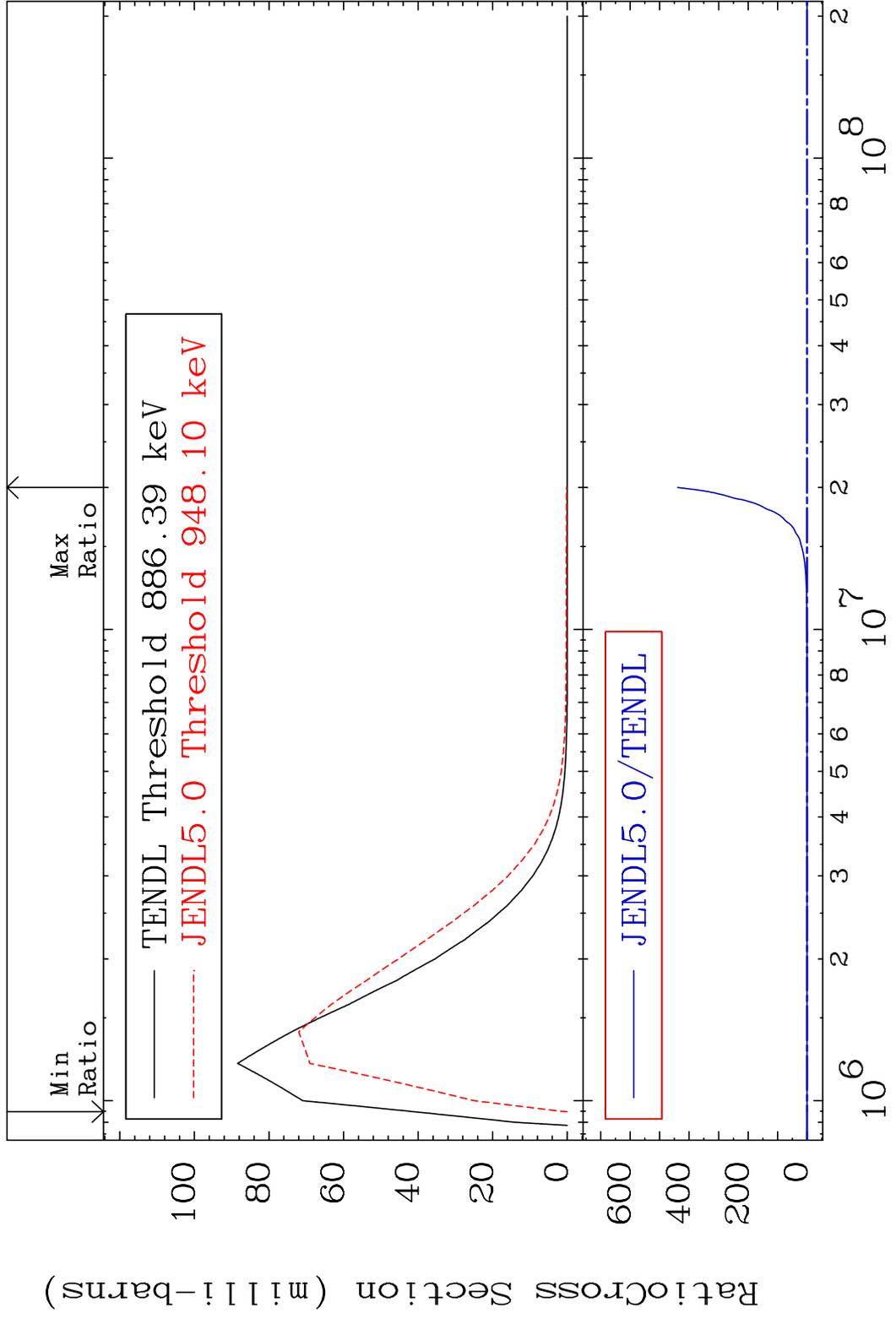
MAT 4846 MT= 65 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



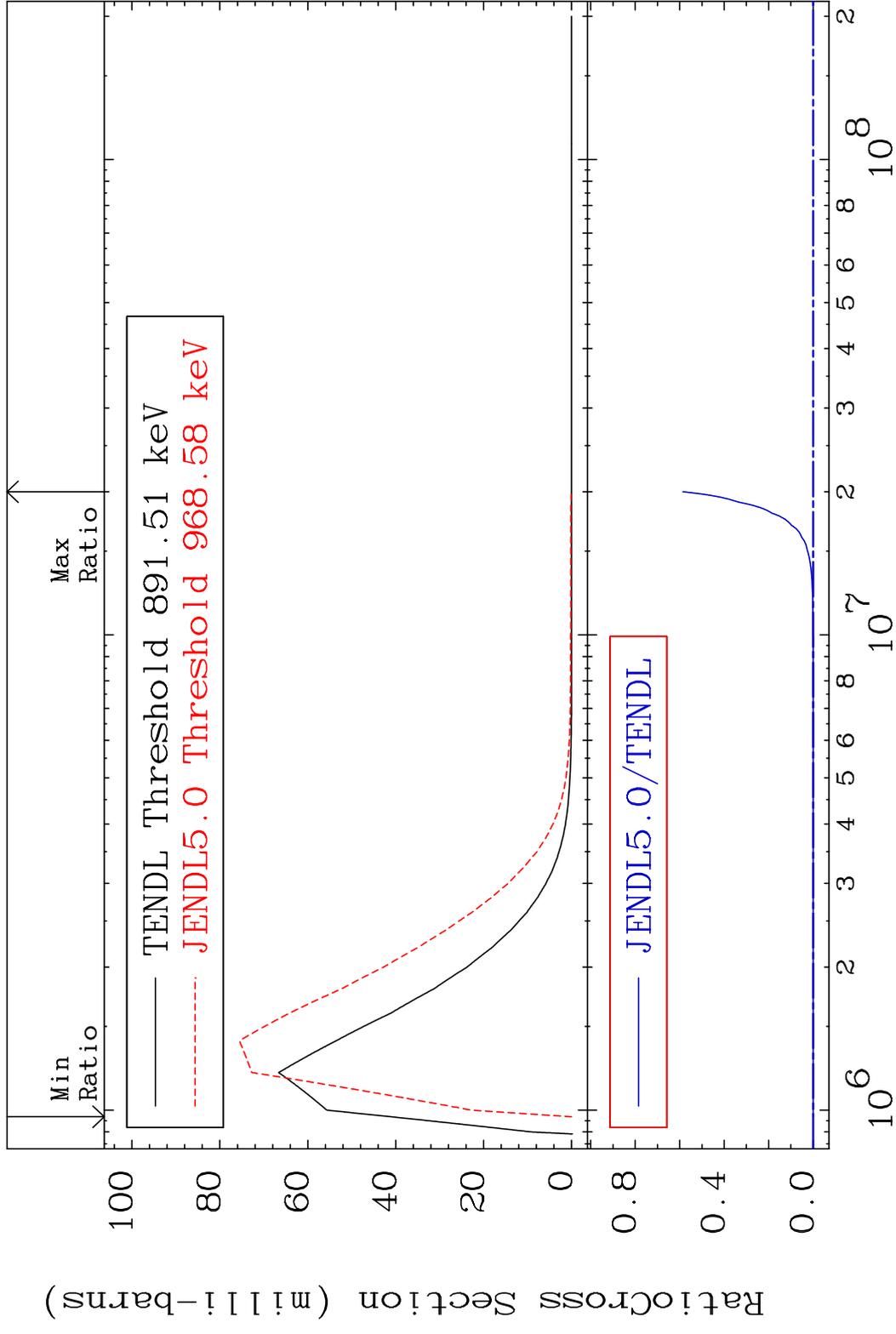
MAT 4846 MT= 66 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



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

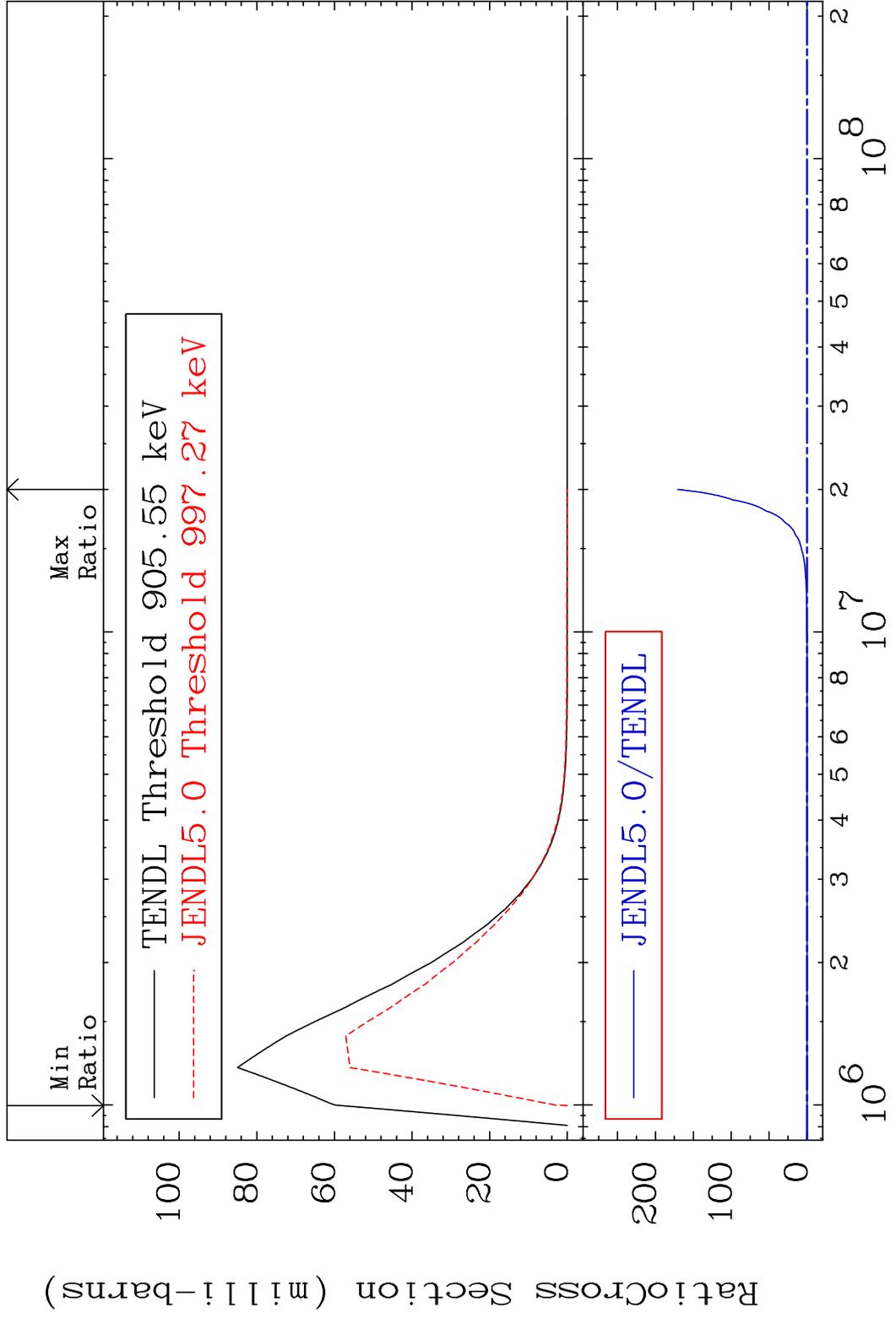


MAT 4846 MT= 68 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

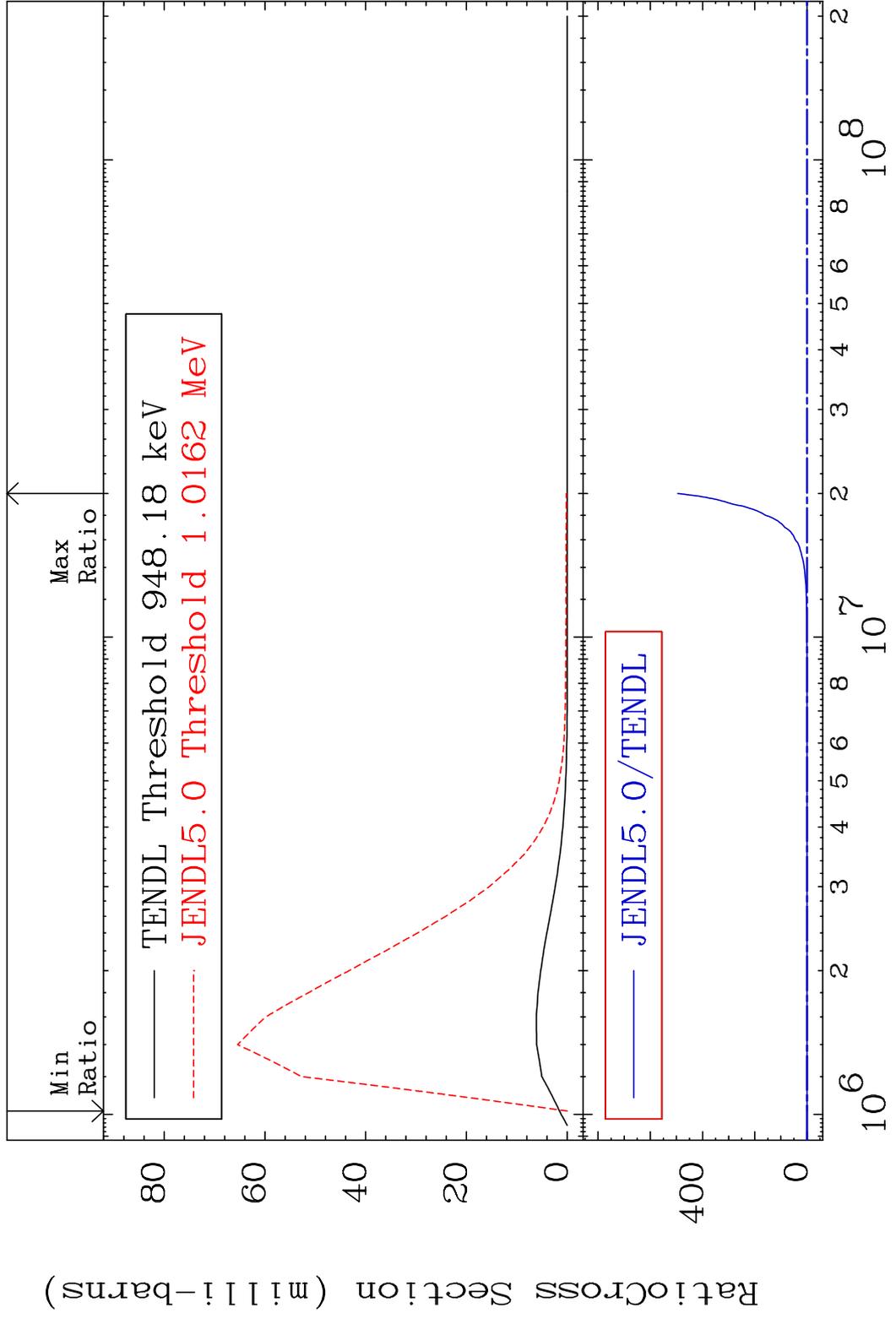


26 Incident Energy (eV) 48-Cd-113

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

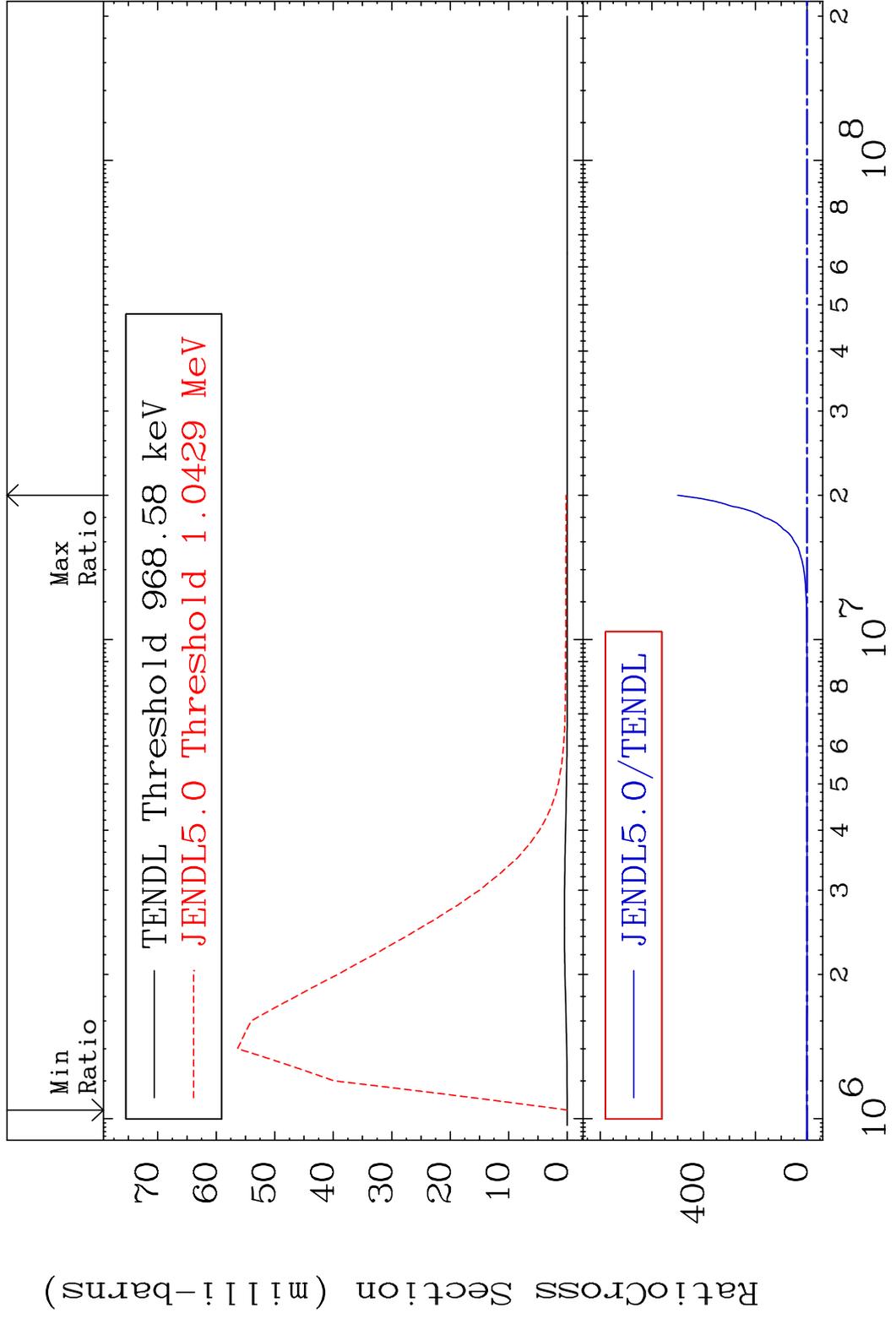


MAT 4846 MT= 70 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



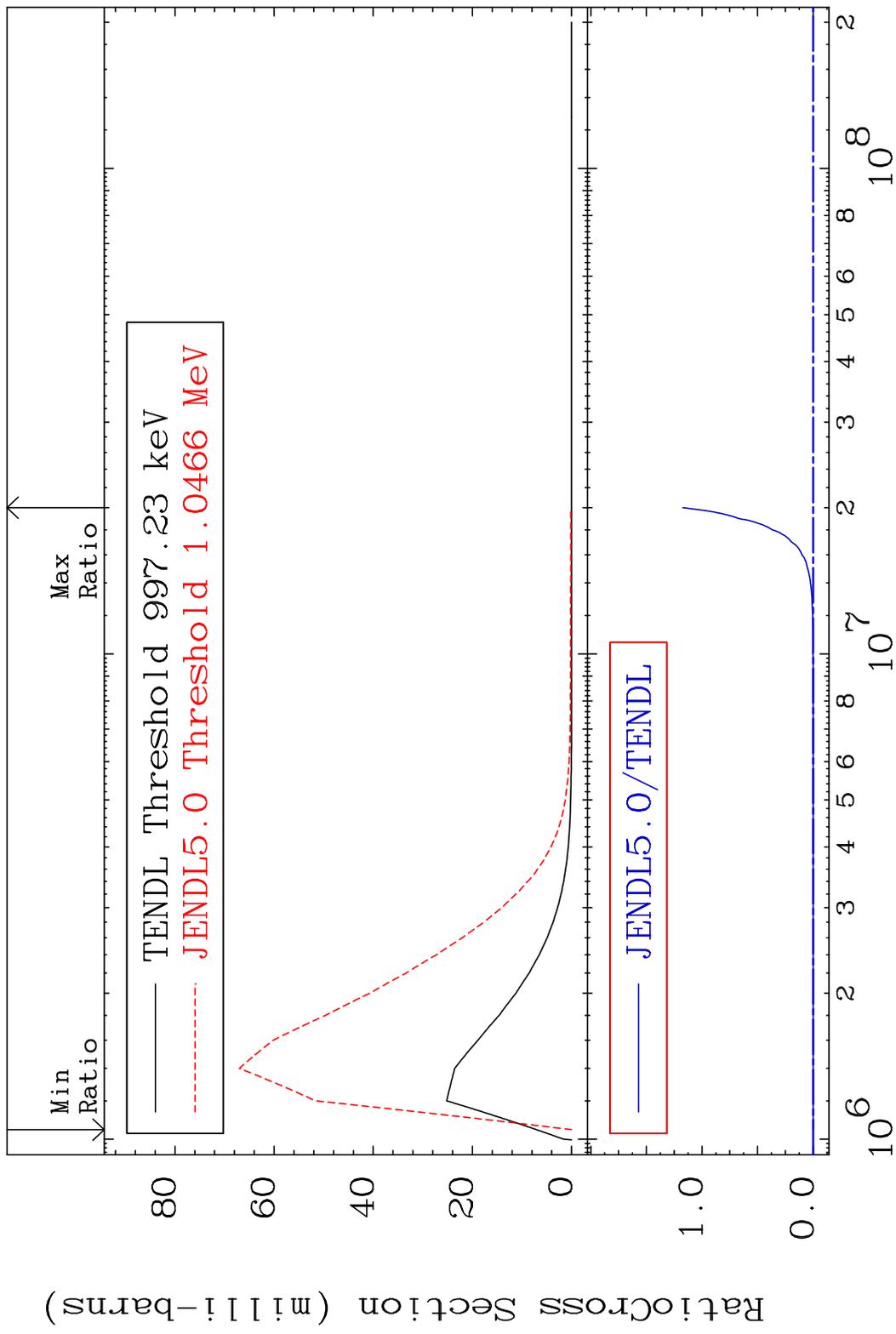
28 Incident Energy (eV) 48-Cd-113

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



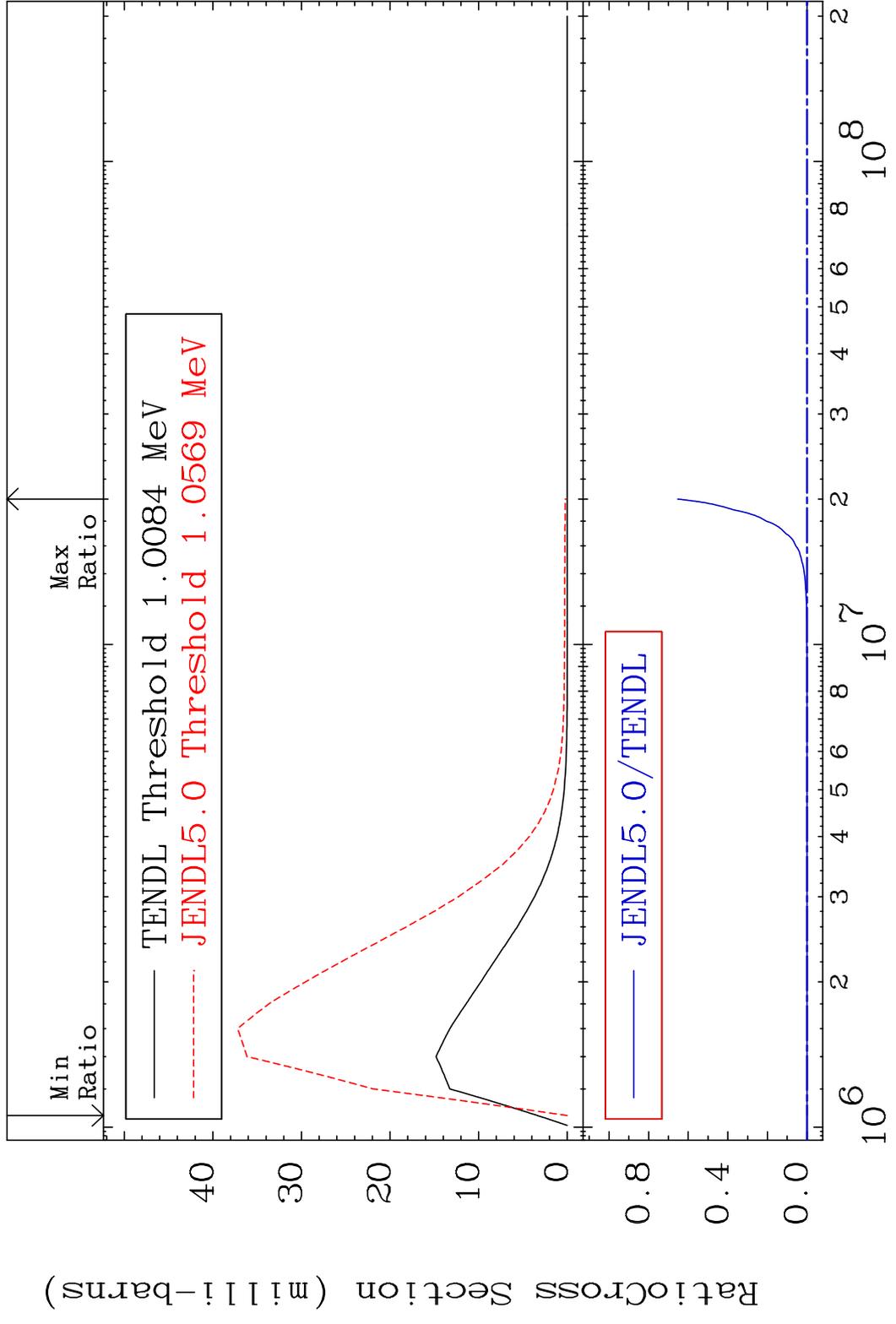
29 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 72 (n, n') Level 48-Cd-113
Cross Section -100.0 To 9999. %

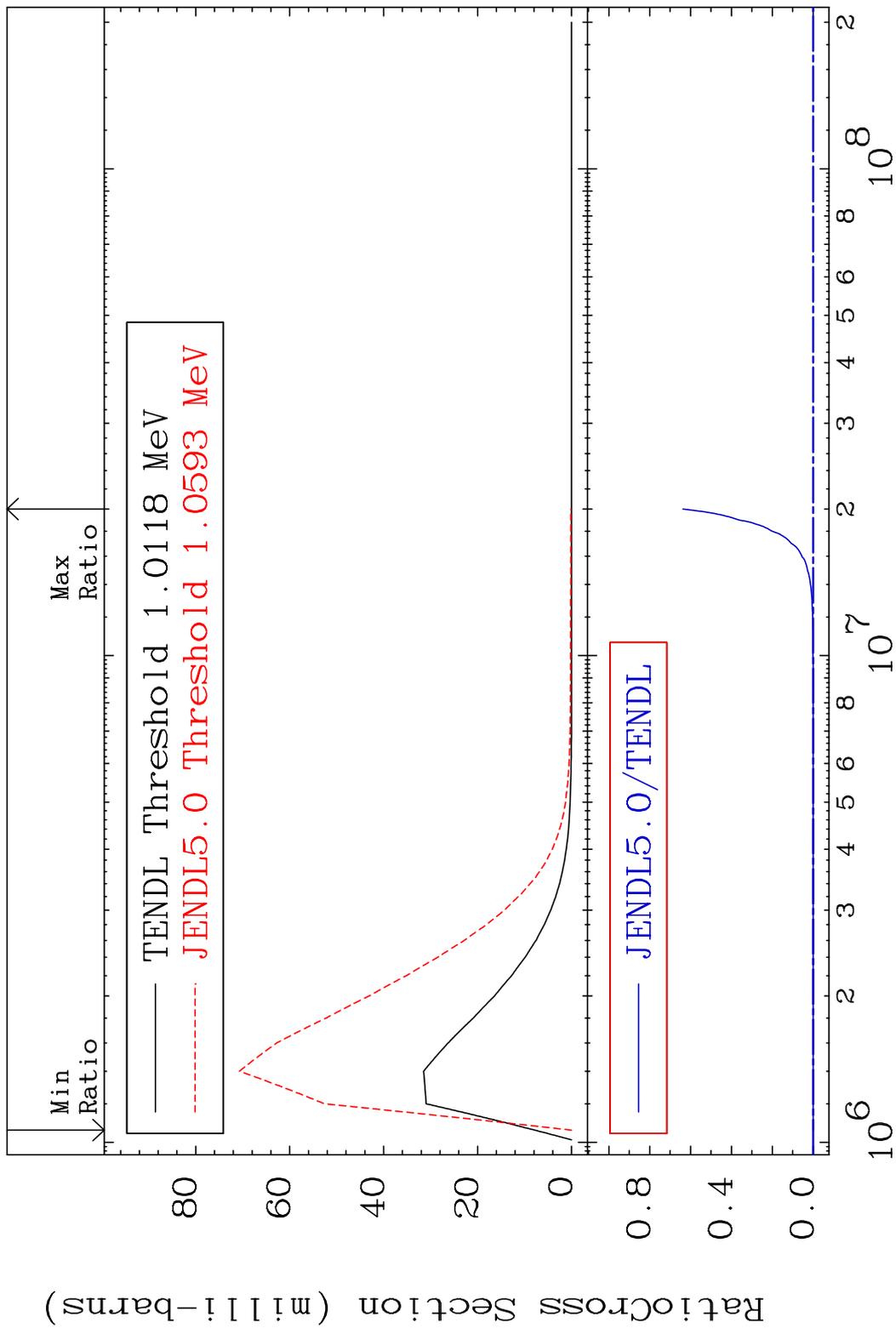


30 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 73 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

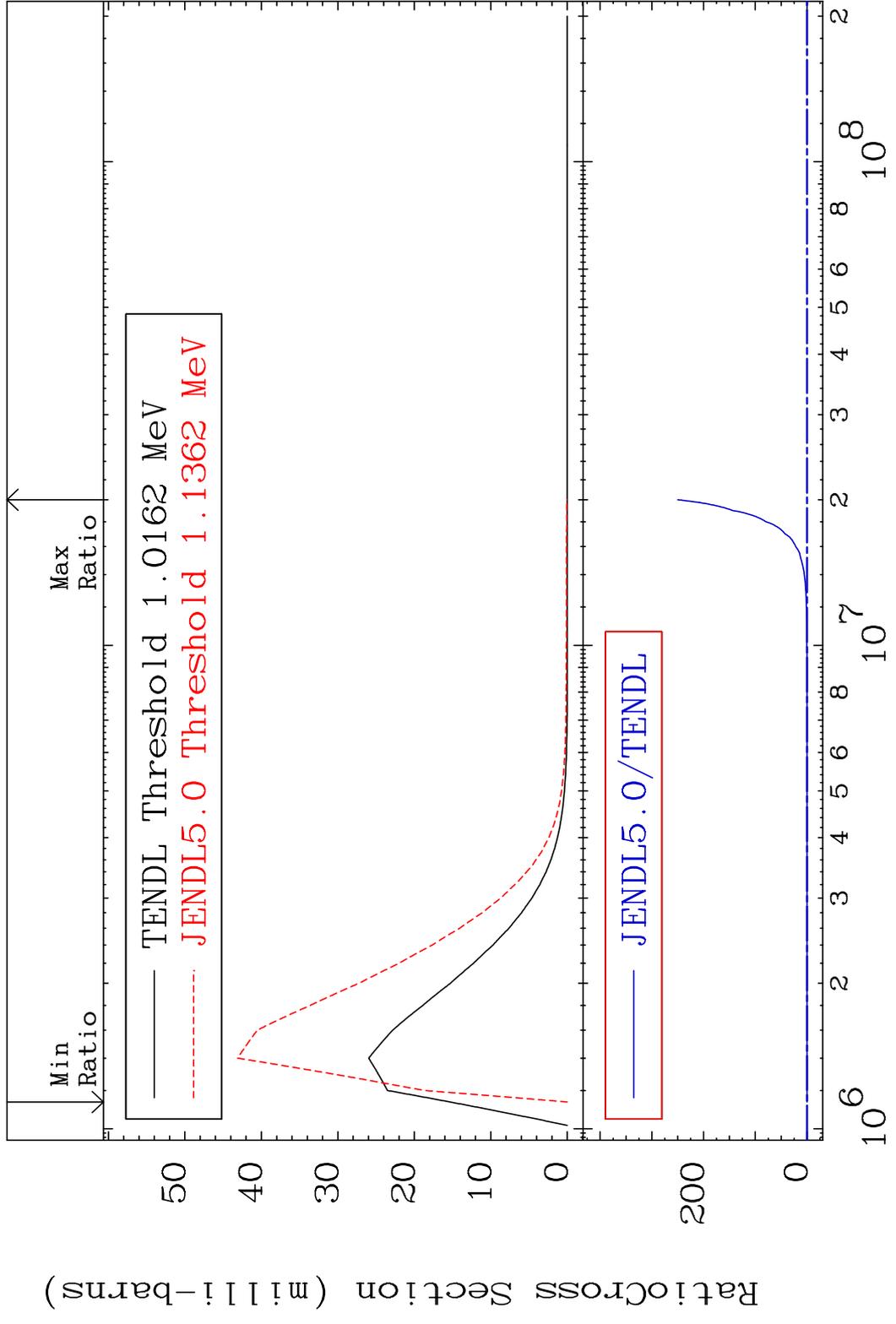


MAT 4846 MT= 74 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



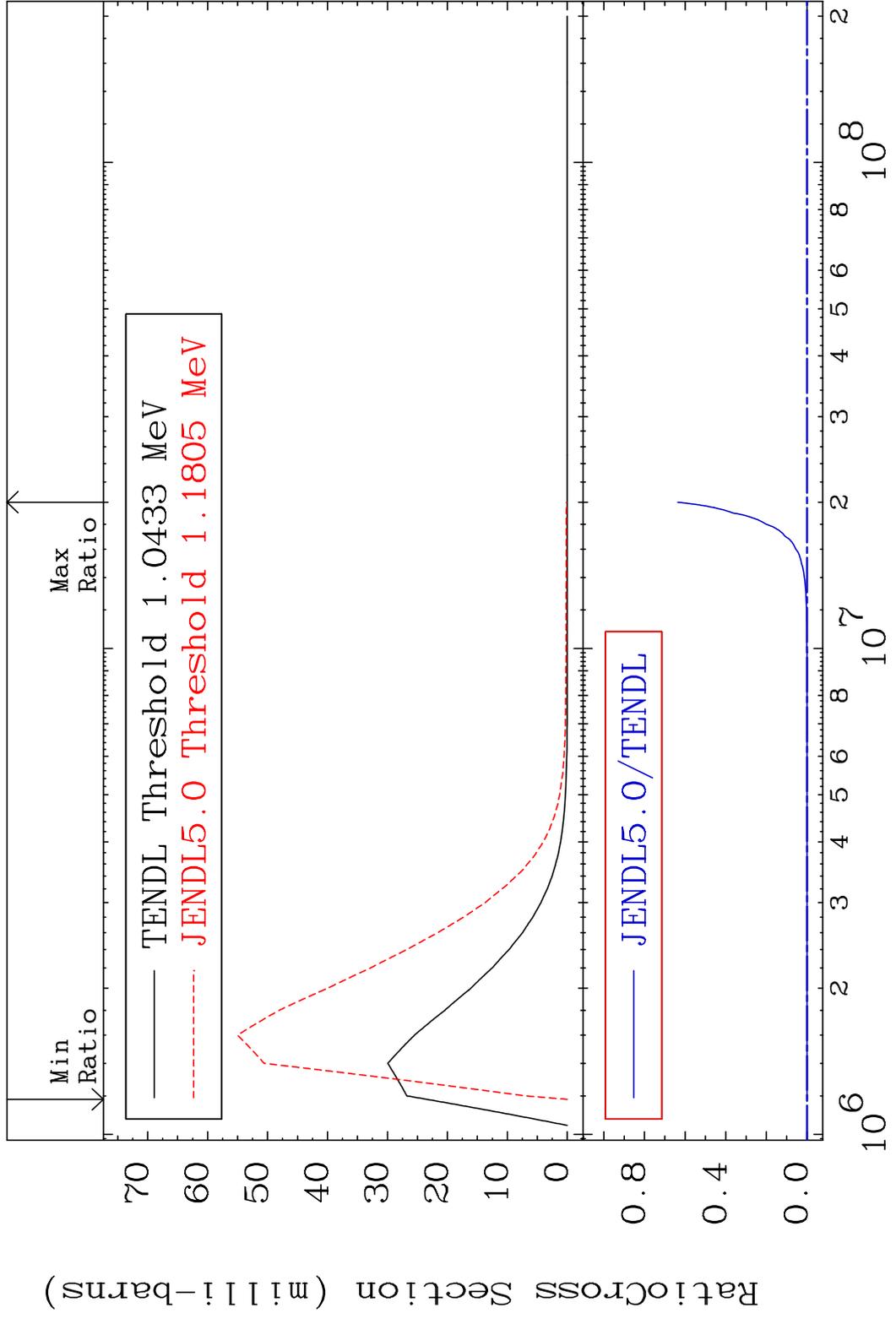
32 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 75 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

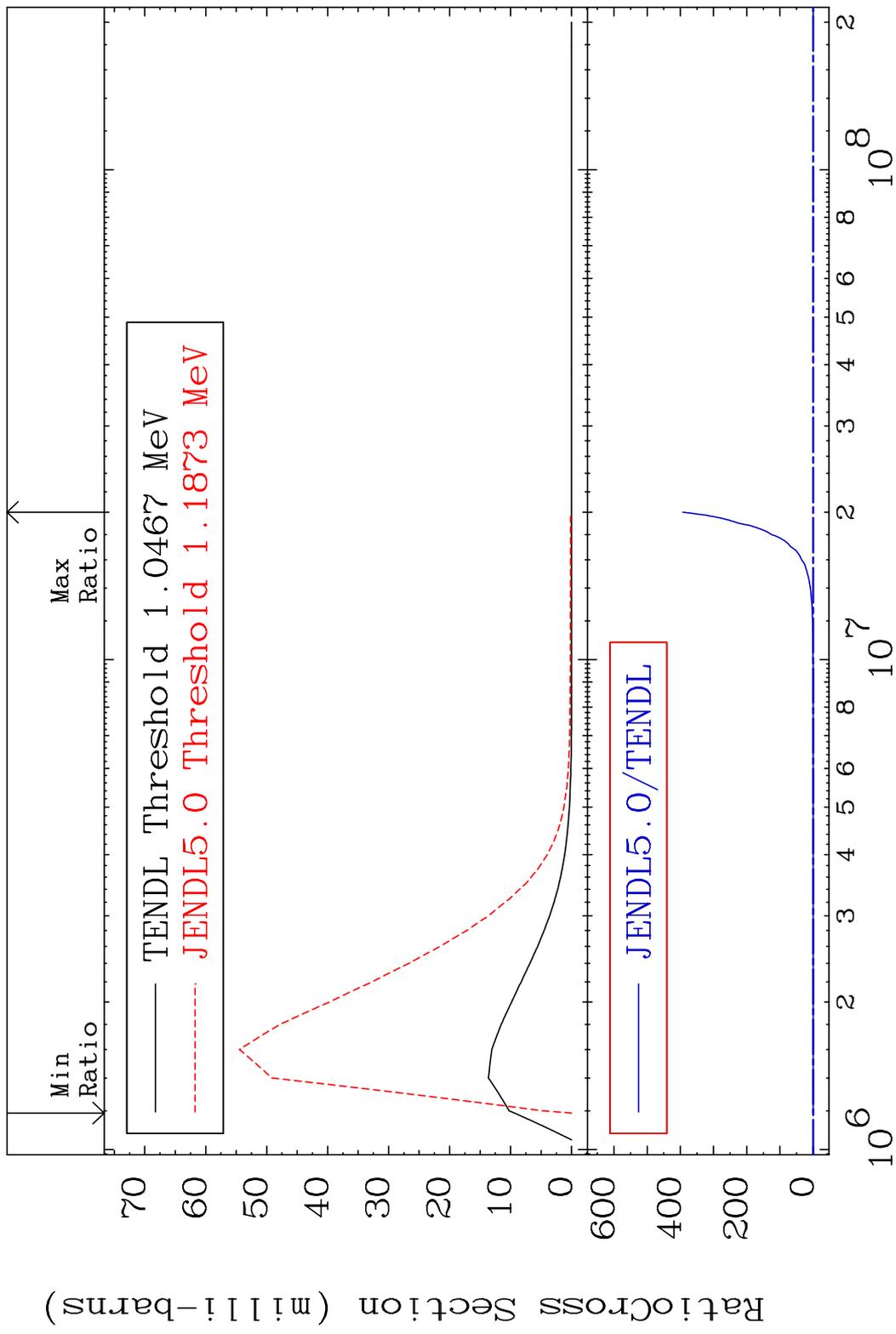


33 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 76 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

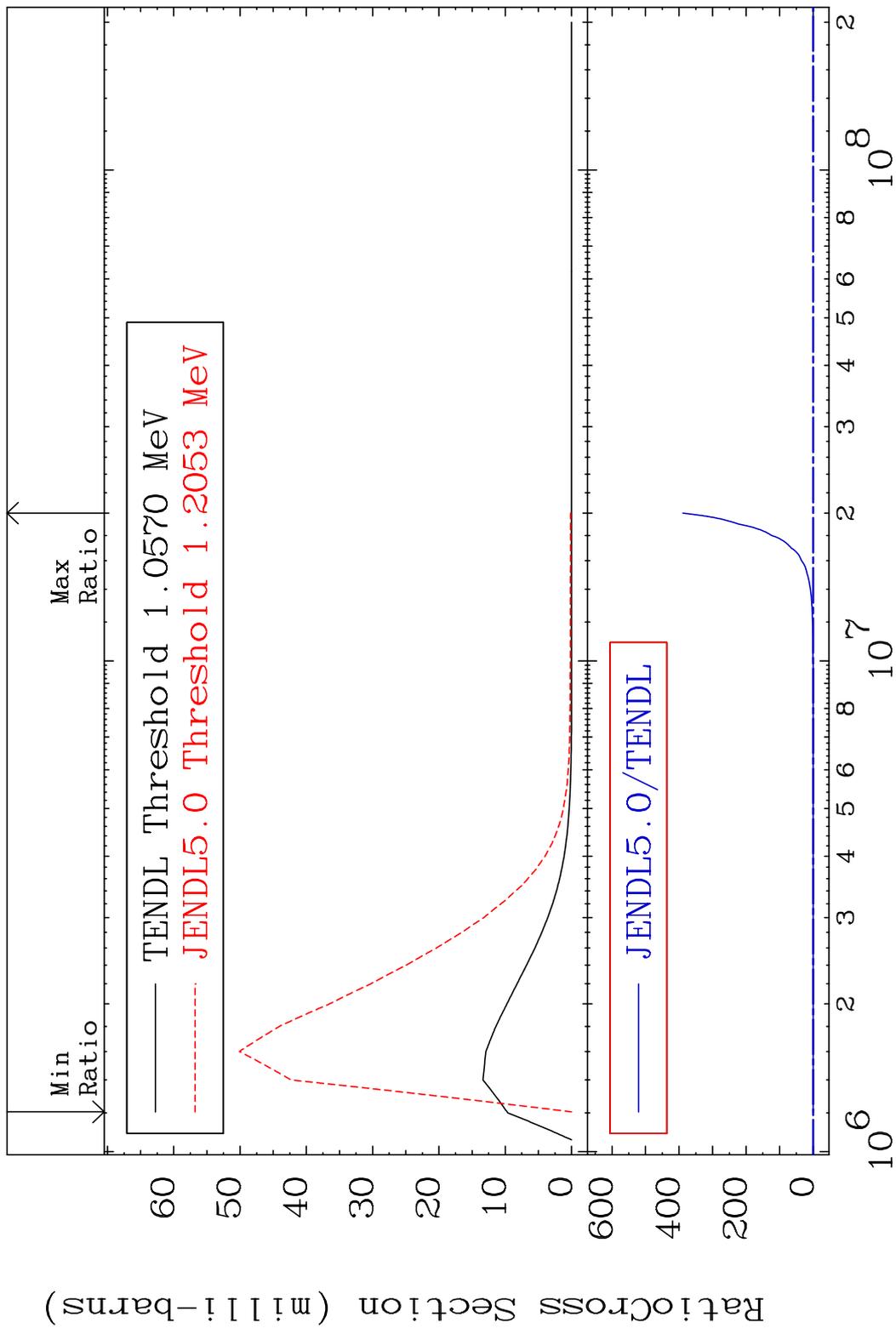


MAT 4846 MT= 77 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



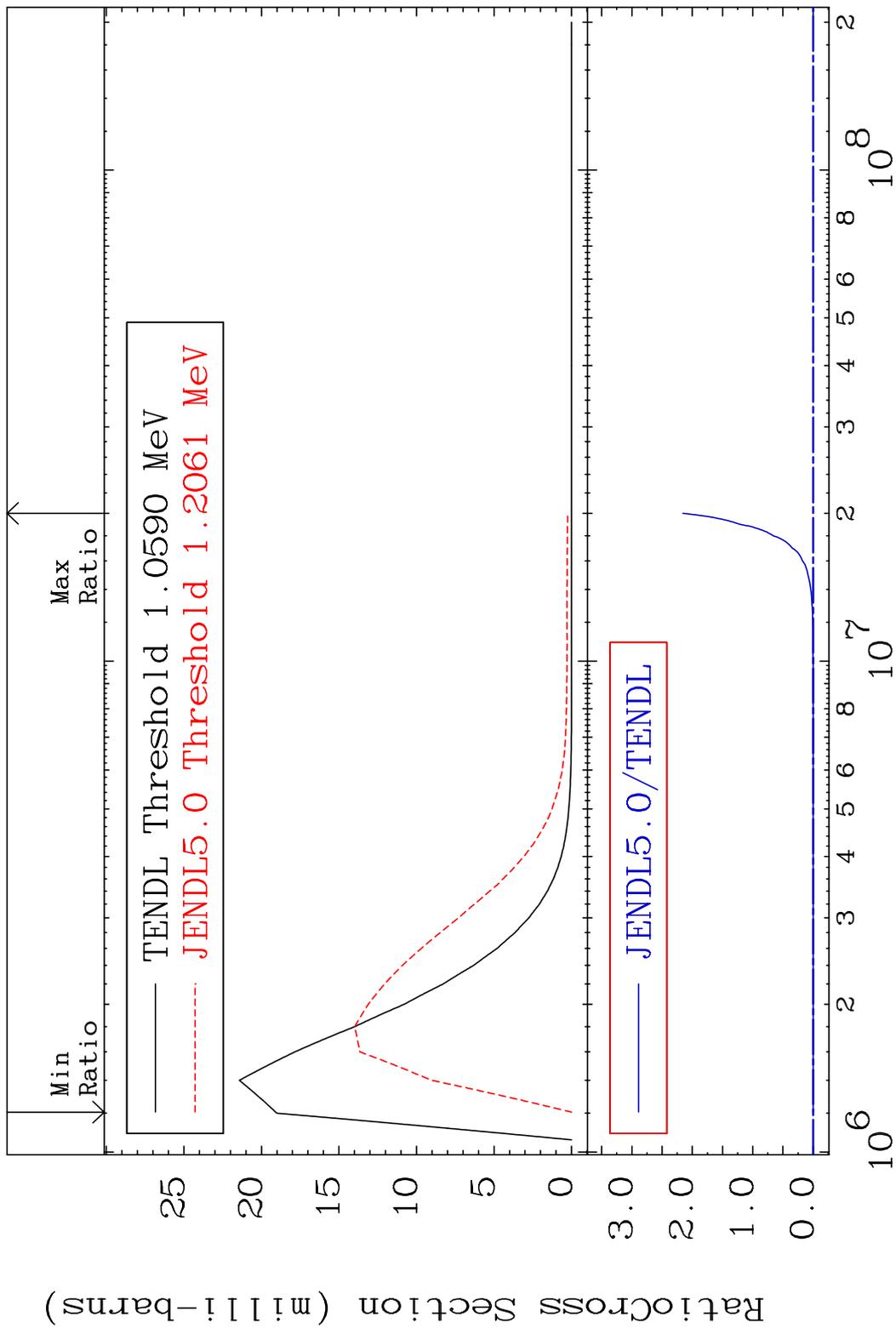
35 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 78 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

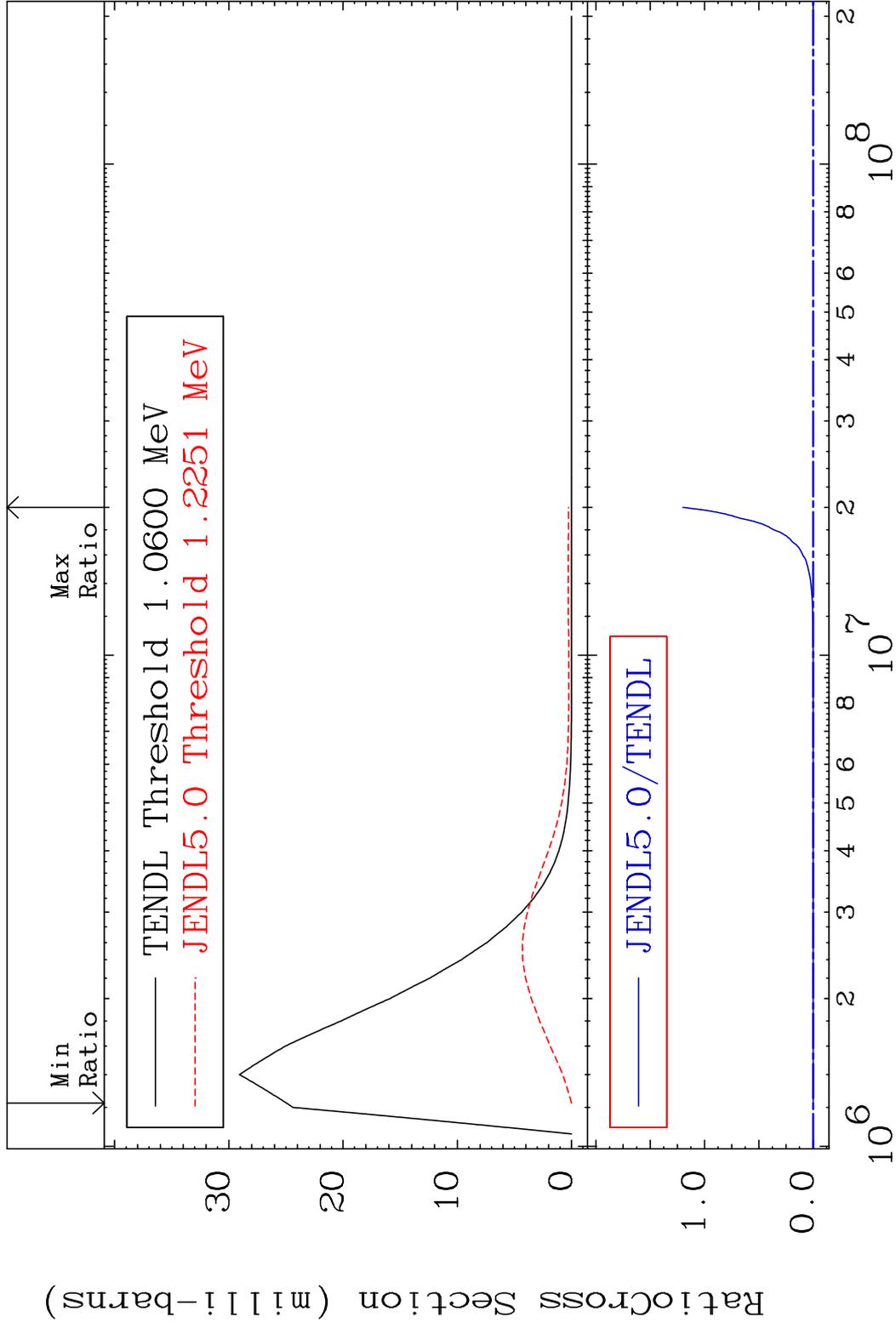


36 Incident Energy (eV) 48-Cd-113

MAT 4846 MT= 79 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %



MAT 4846 MT= 80 (n, n') Level 48-Cd-113
 Cross Section -100.0 To 9999. %

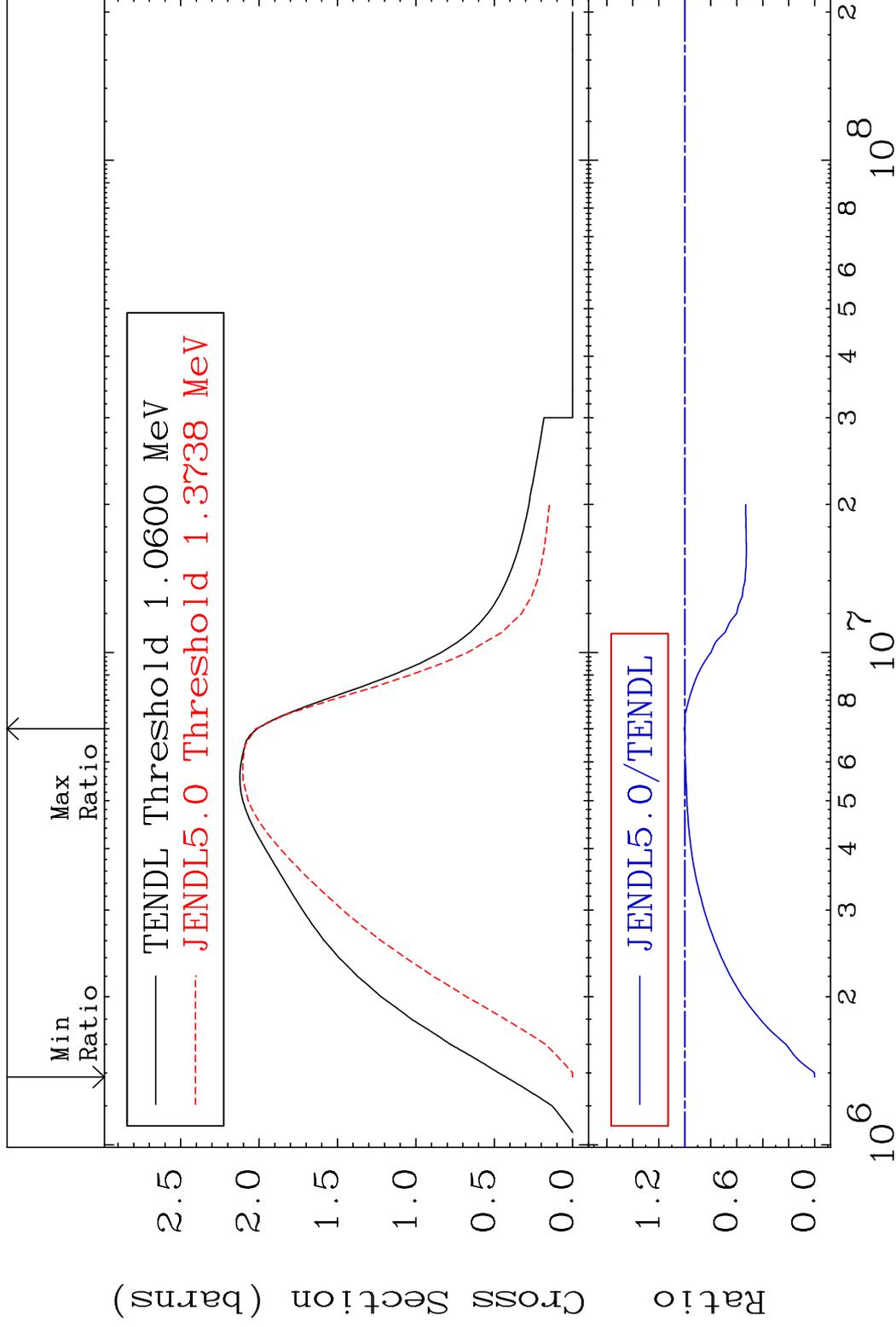


MAT 4846

(n, n') Continuum

48-Cd-113

Cross Section -100.0 To 0.484 %



39

Incident Energy (eV)

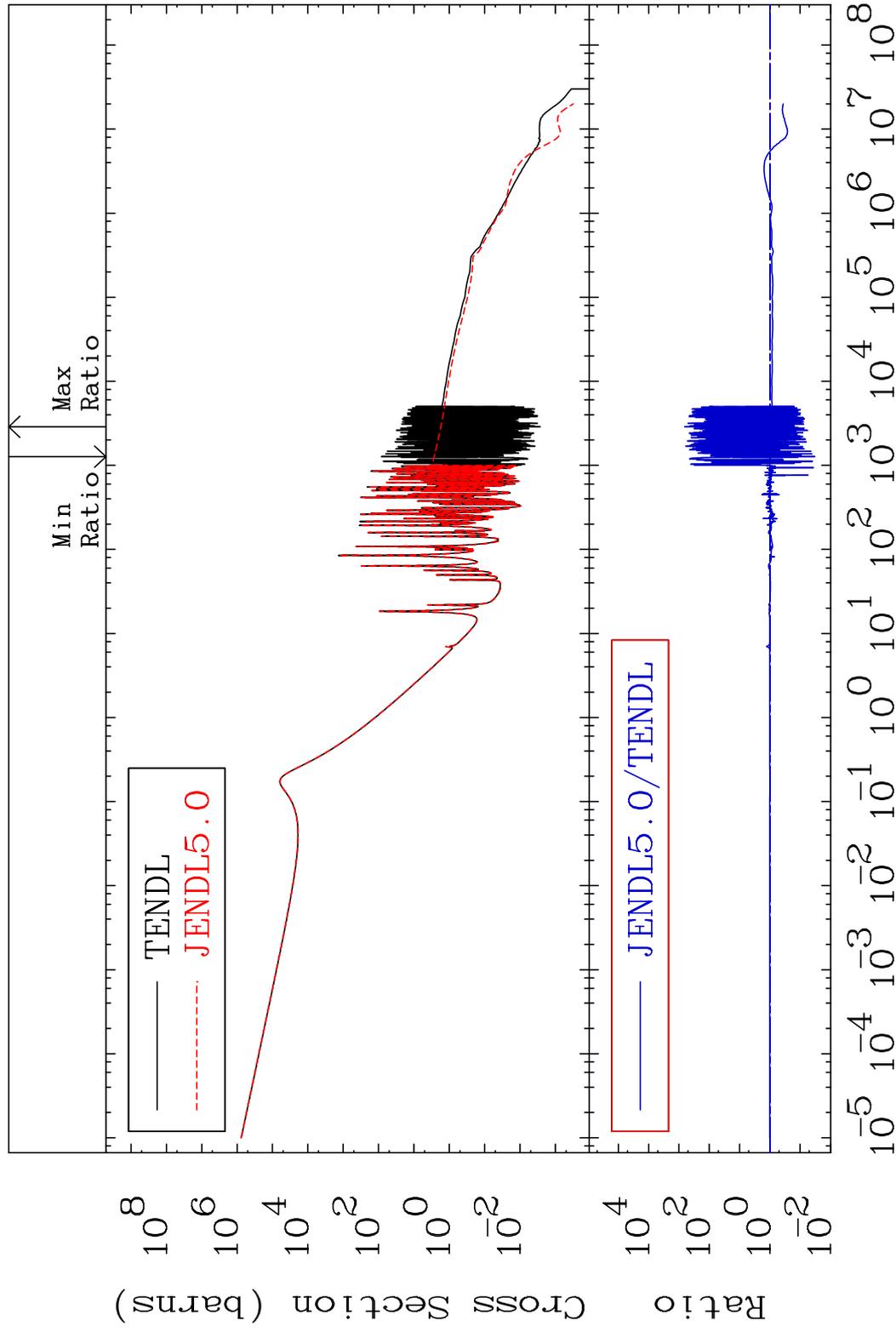
48-Cd-113

MAT 4846

(n, γ)

48-Cd-113

Cross Section -96.73 To 9999. %

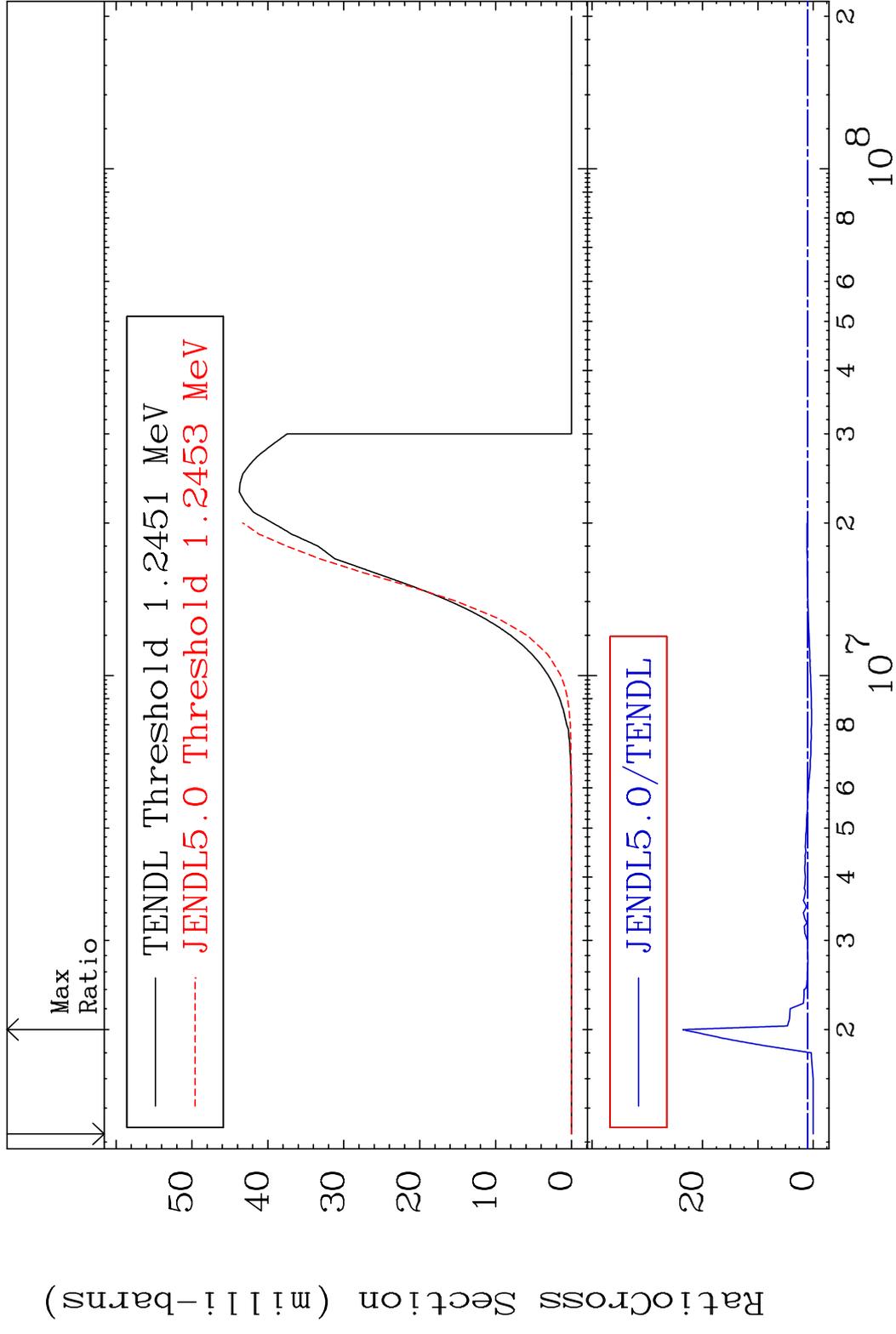


40

Incident Energy (eV)

48-Cd-113

MAT 4846 (n,p) 48-Cd-113
 Cross Section -100.0 To 2257. %

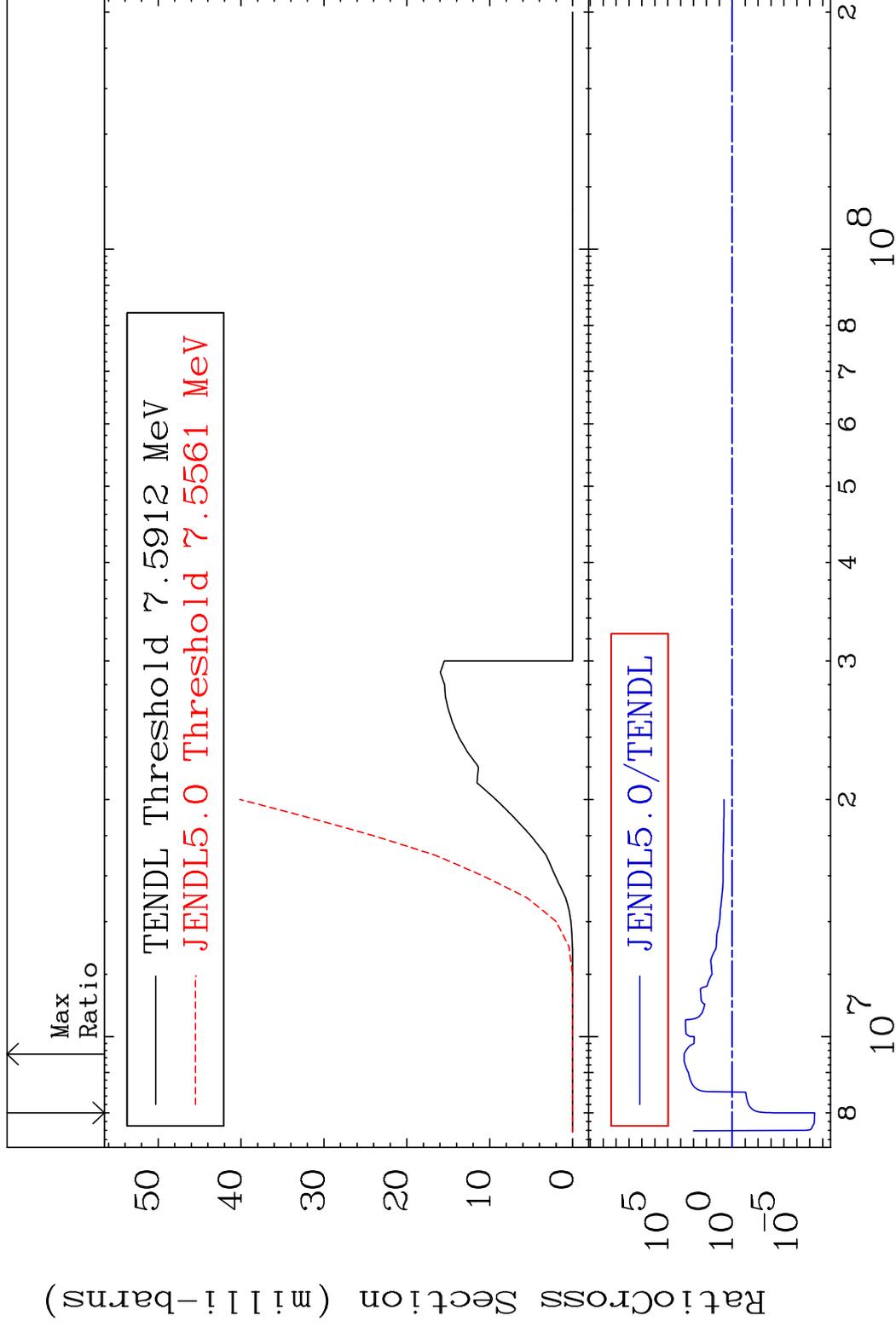


MAT 4846

(n,d)

48-Cd-113

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

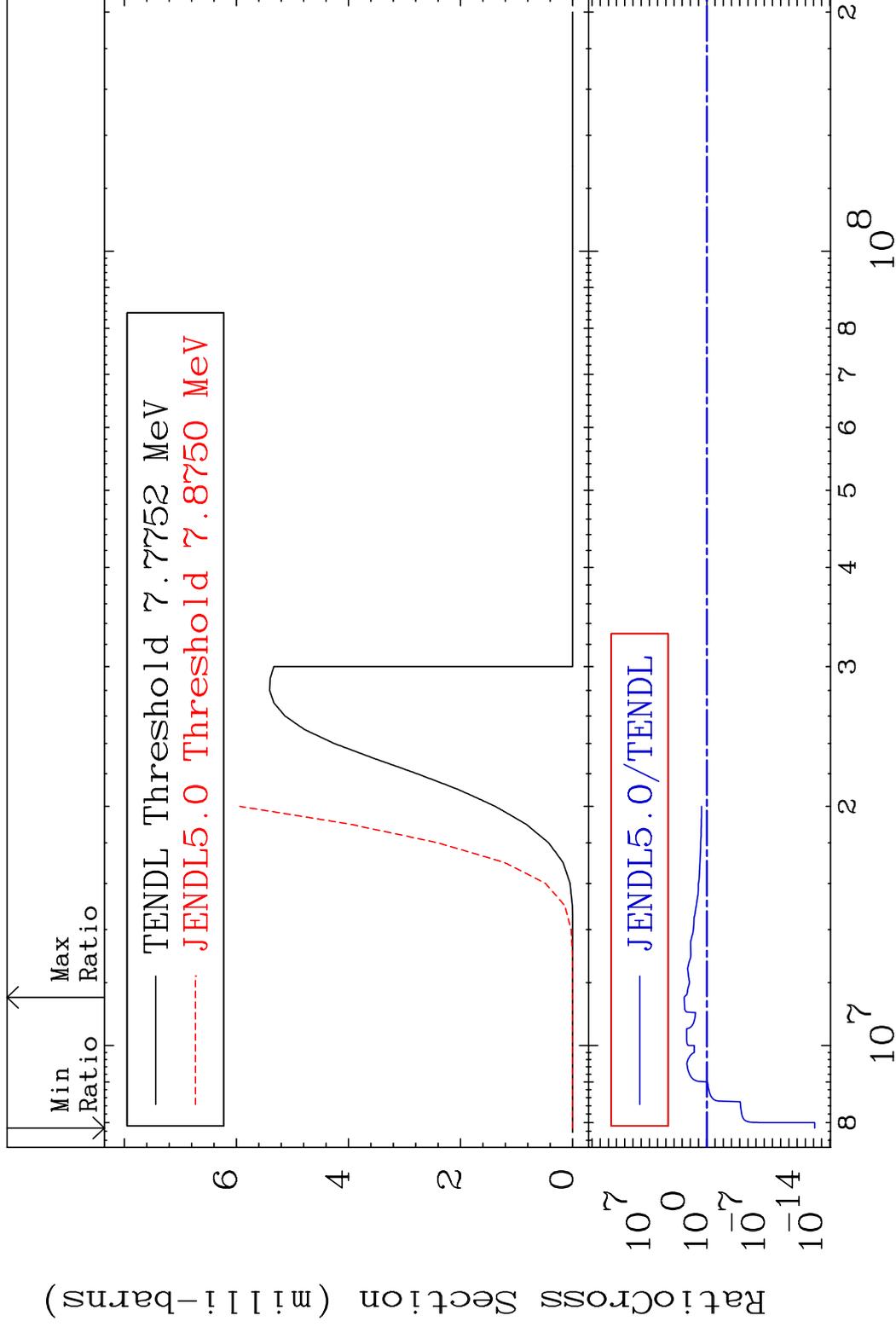
48-Cd-113

MAT 4846

(n, t)

48-Cd-113

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

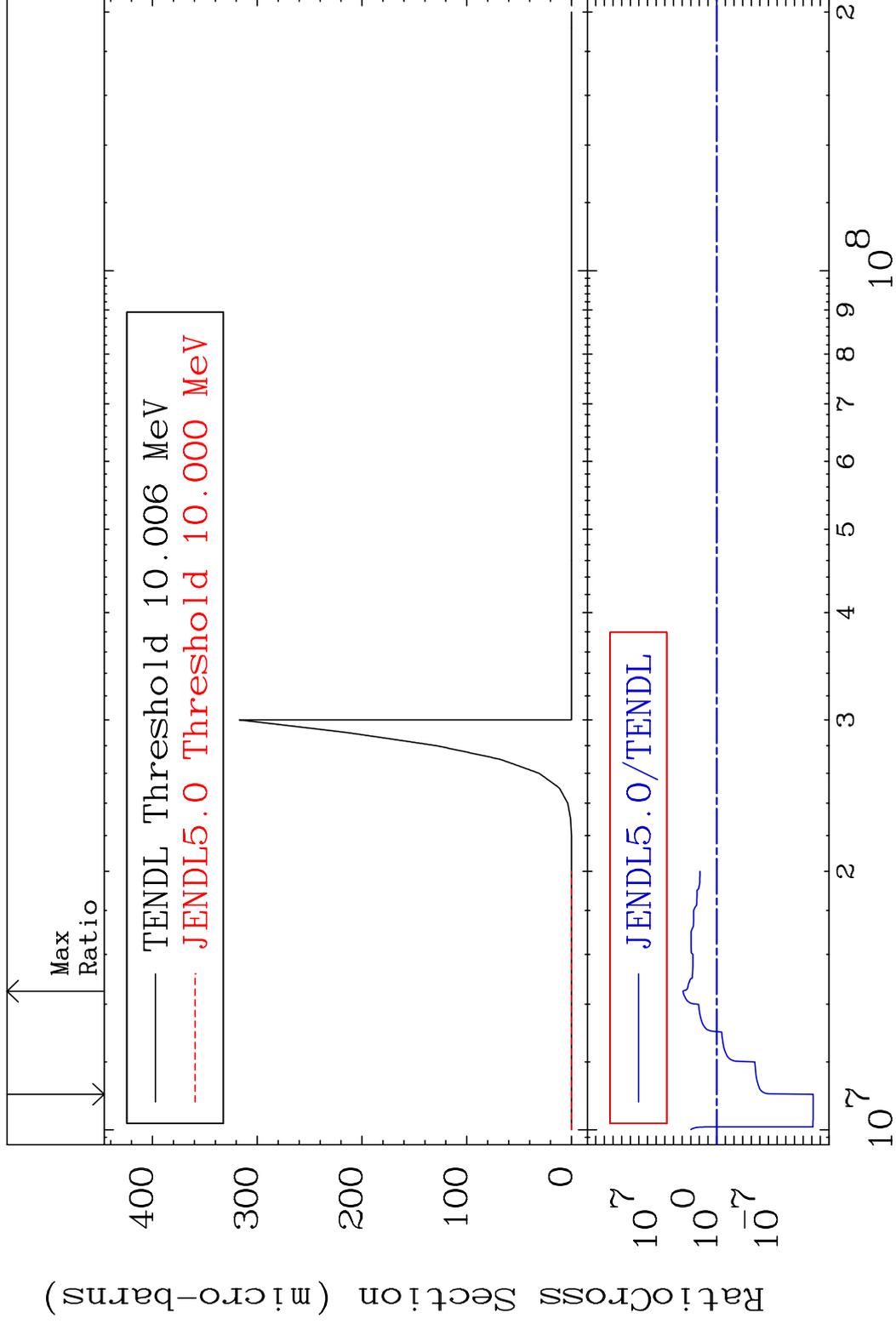
48-Cd-113

MAT 4846

(n, He-3)

48-Cd-113

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

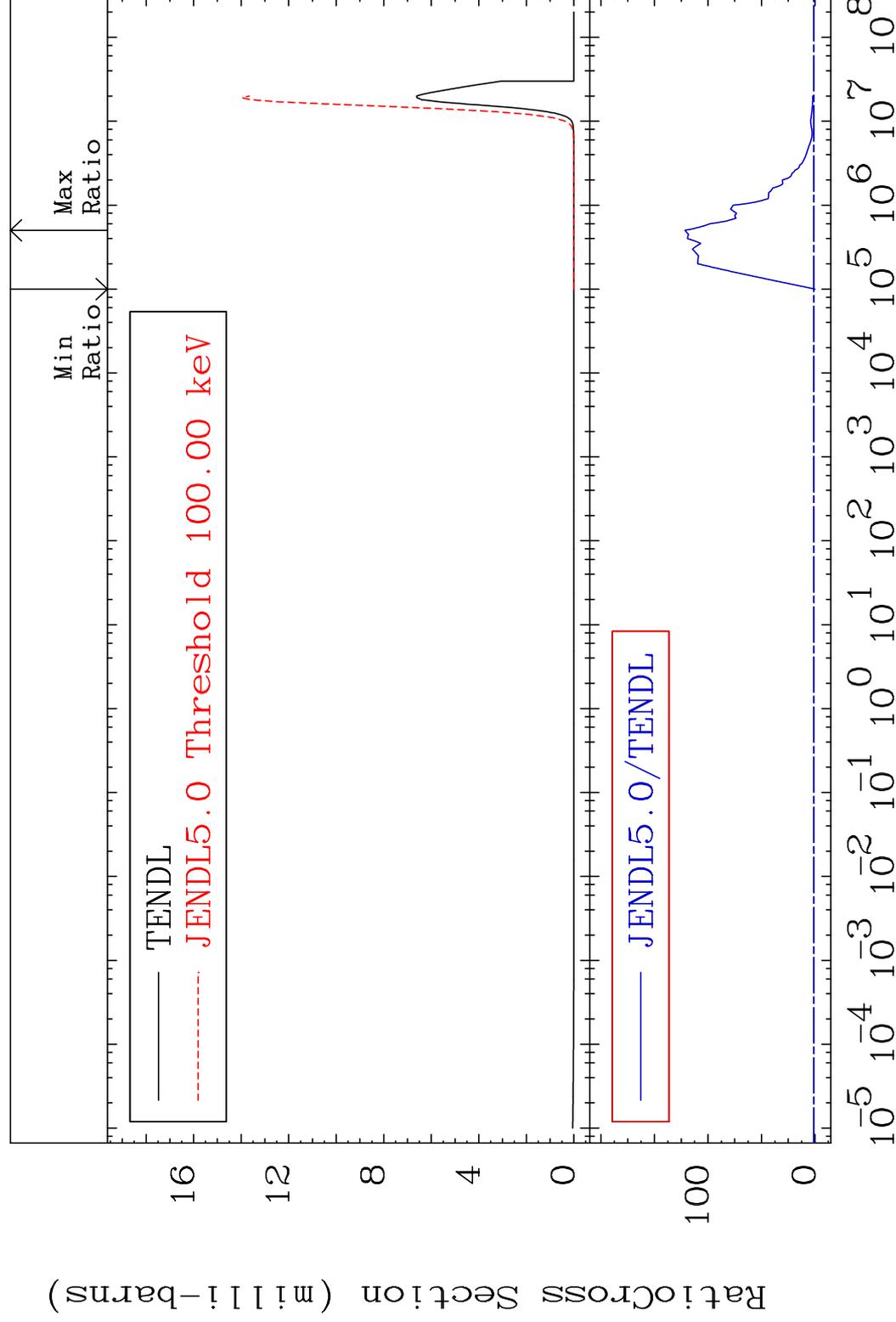
48-Cd-113

MAT 4846

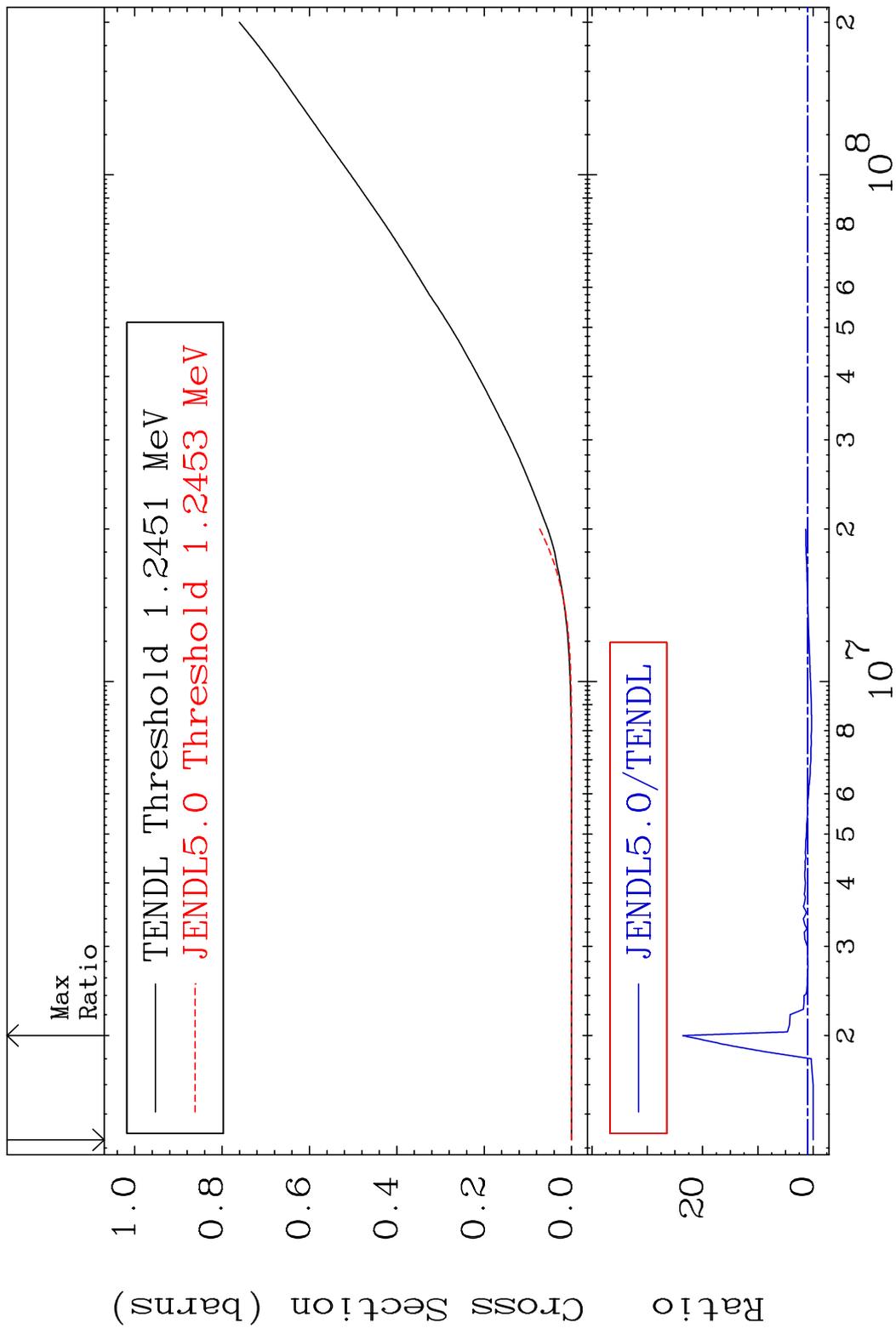
(n, α)

48-Cd-113

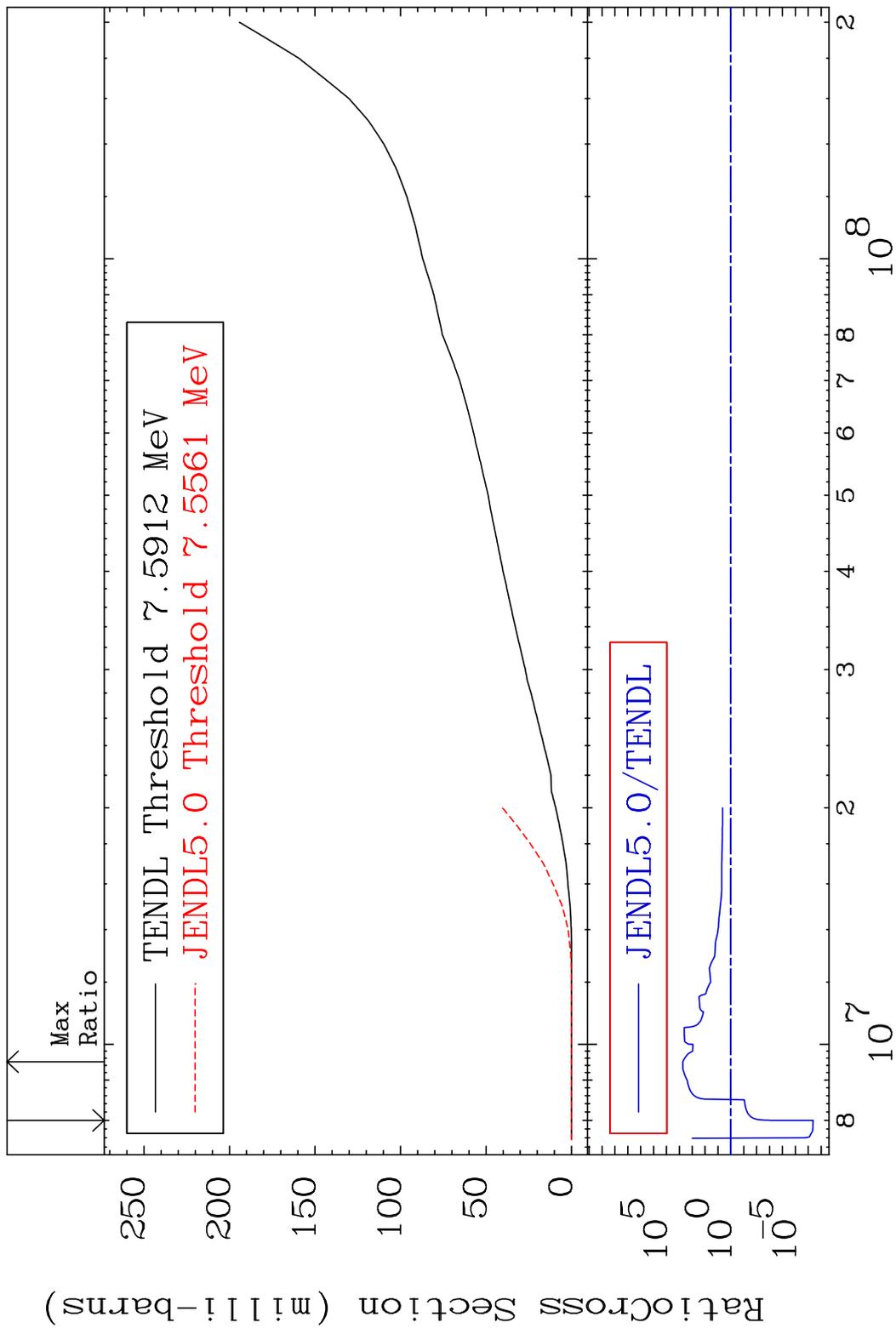
Cross Section -100.0 To 9999. %



MAT 4846 Hydrogen Production 48-Cd-113
 Cross Section -100.0 To 2257. %

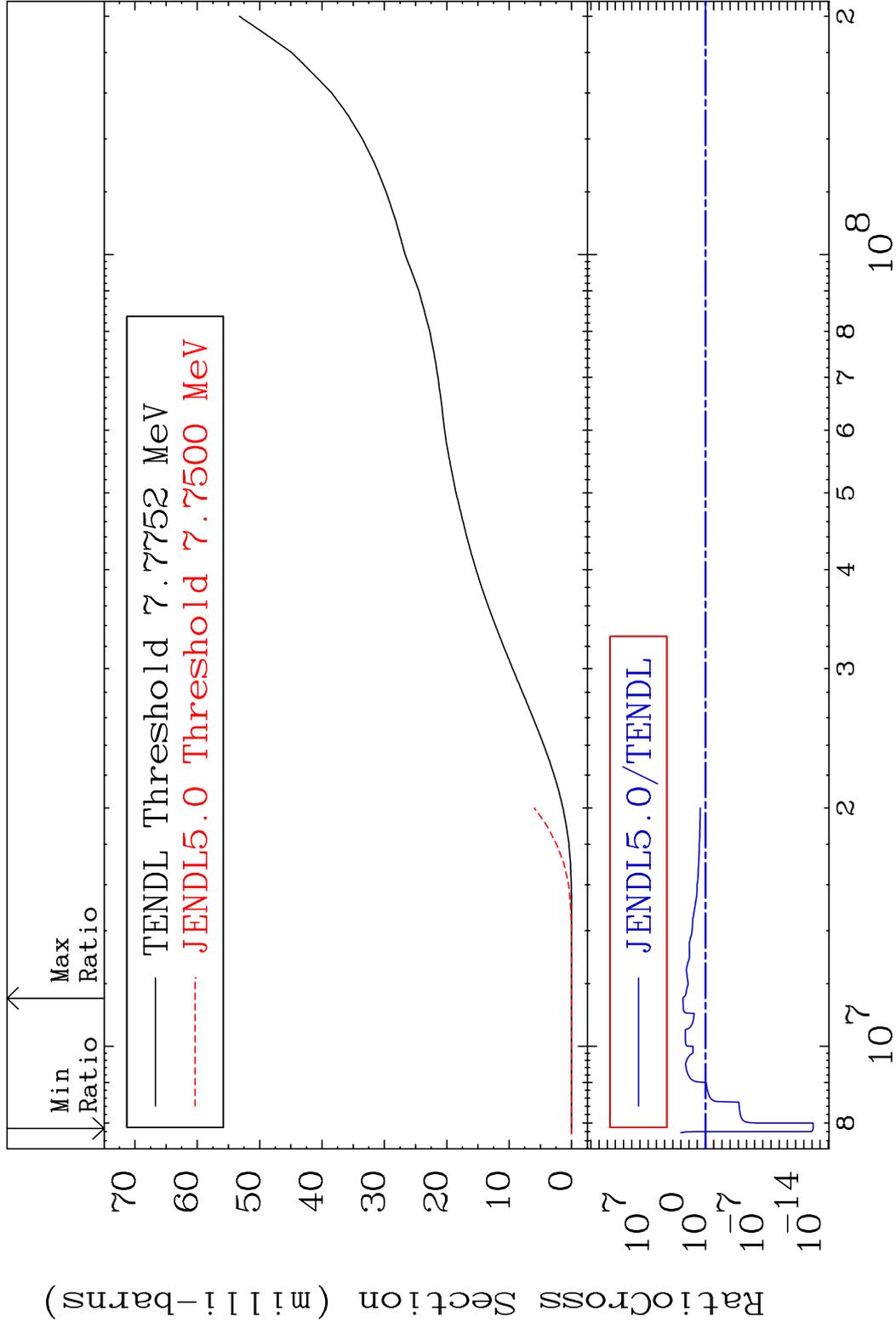


MAT 4846 Deuterium Production 48-Cd-113
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 48-Cd-113

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

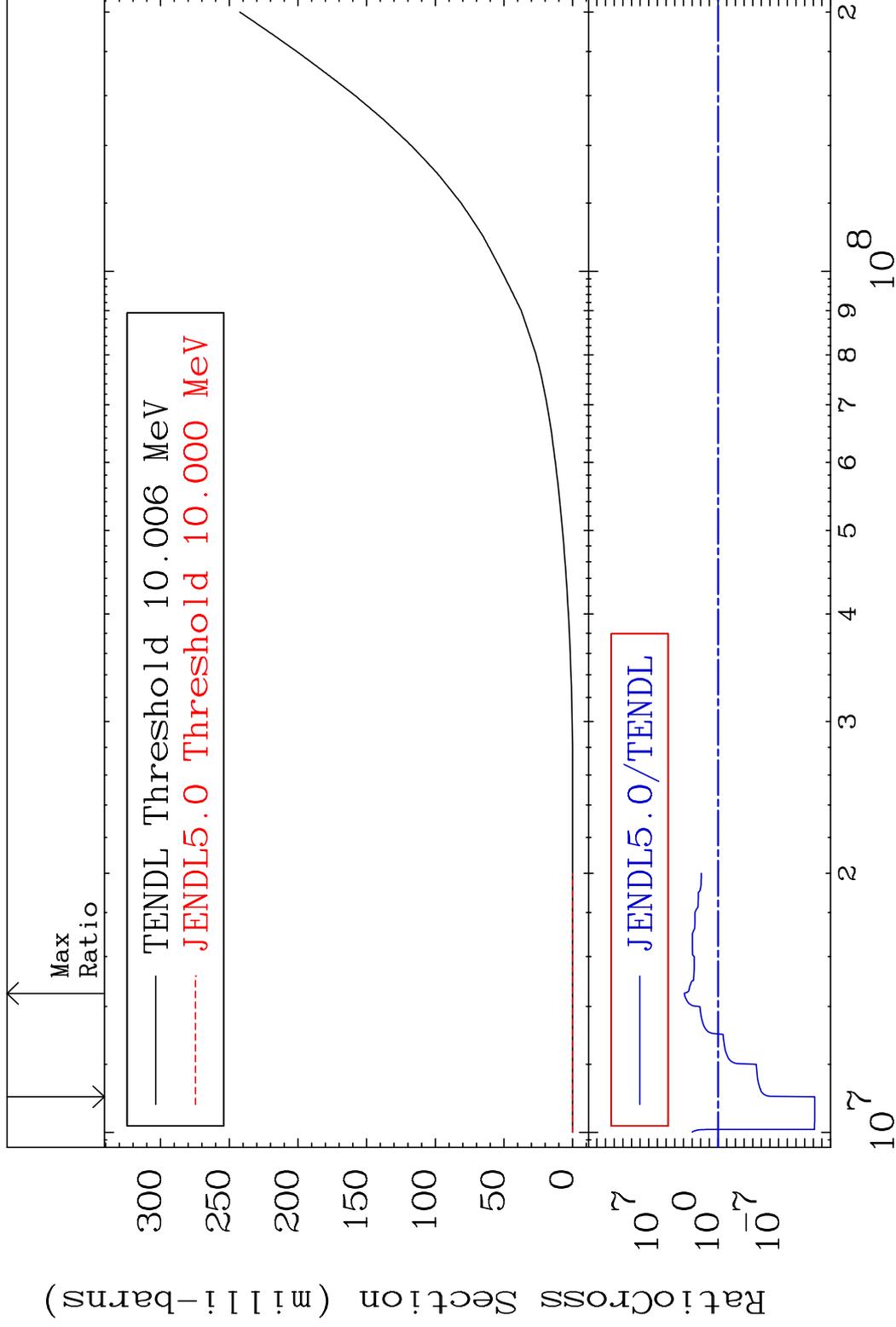


MAT 4846

He-3 Production

48-Cd-113

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

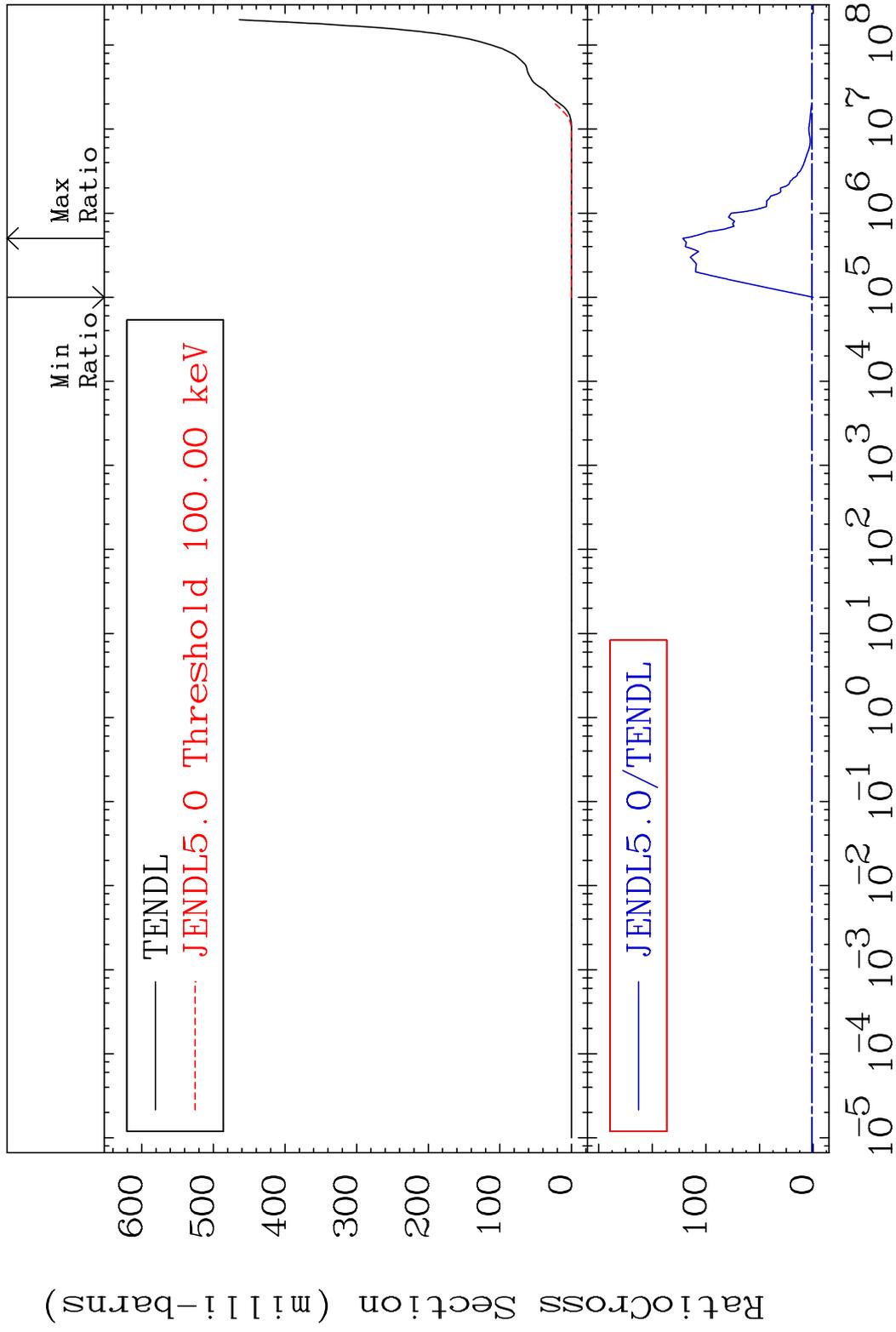
48-Cd-113

MAT 4846

He-4 Production

48-Cd-113

Cross Section -100.0 To 9999. %

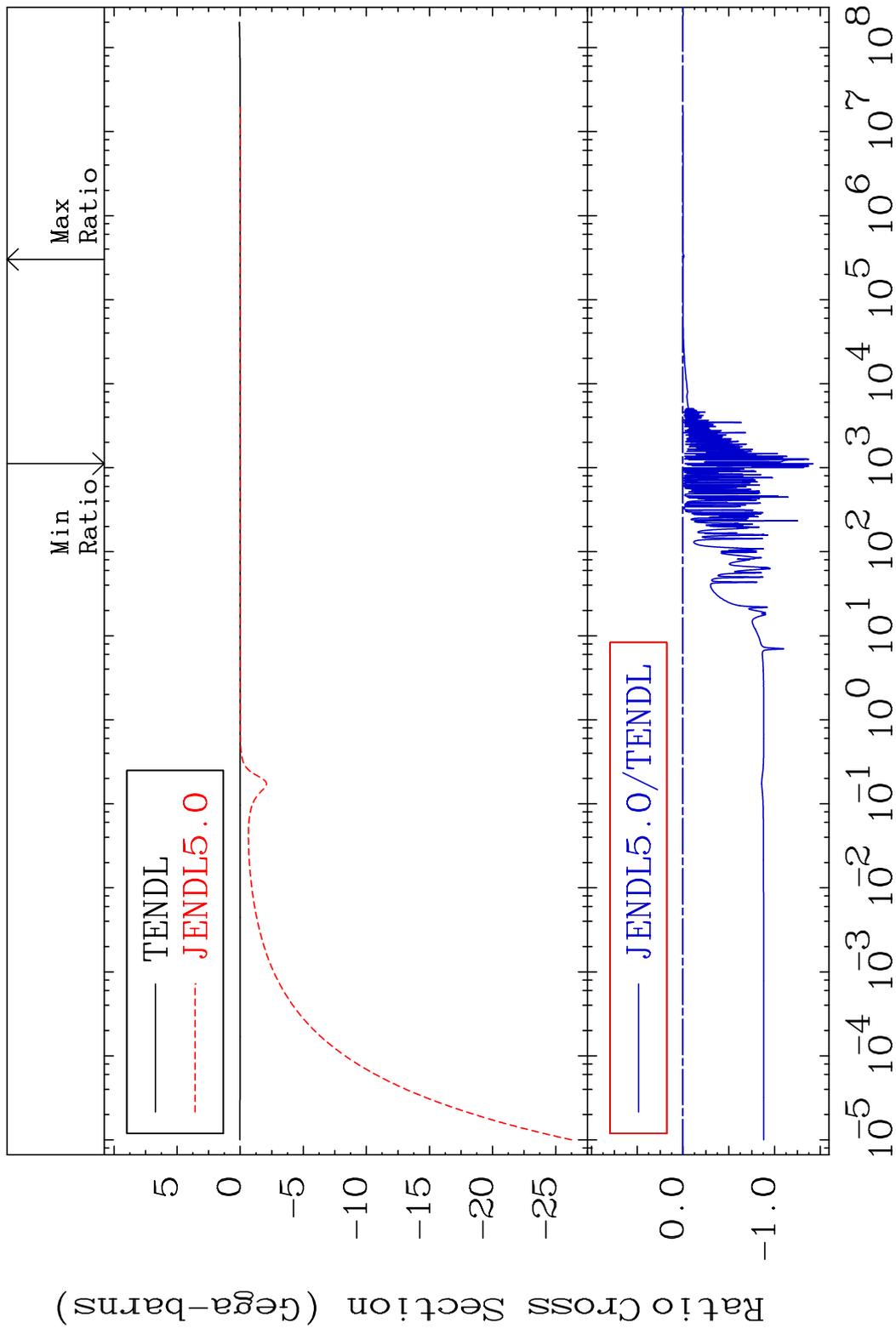


50

Incident Energy (eV)

48-Cd-113

MAT 4846 Kerma total (eV-barns) 48-Cd-113
 Cross Section -9999. To 152.3 %

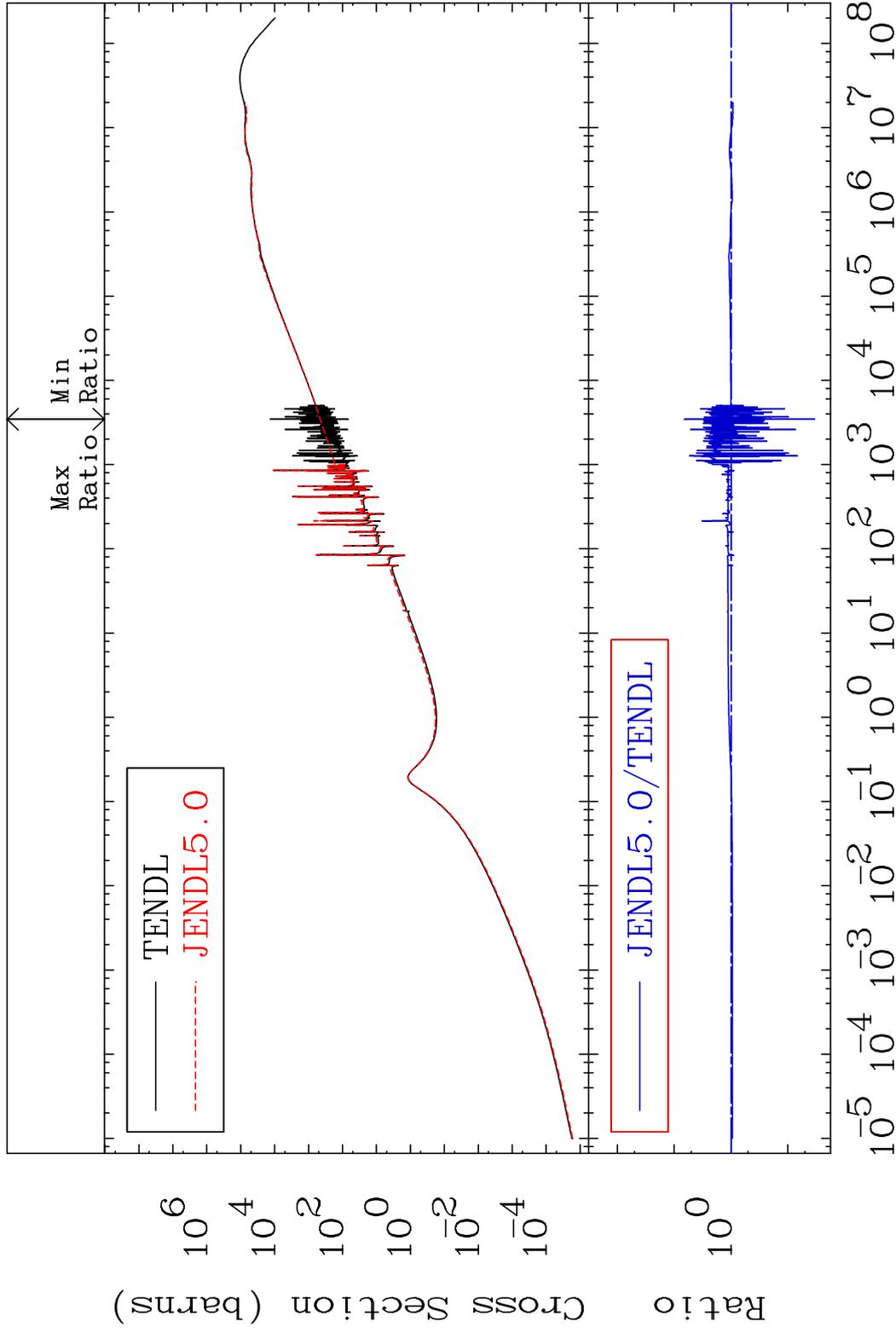


MAT 4846

Kerma elastic

48-Cd-113

Cross Section -96.65 To 567.4 %

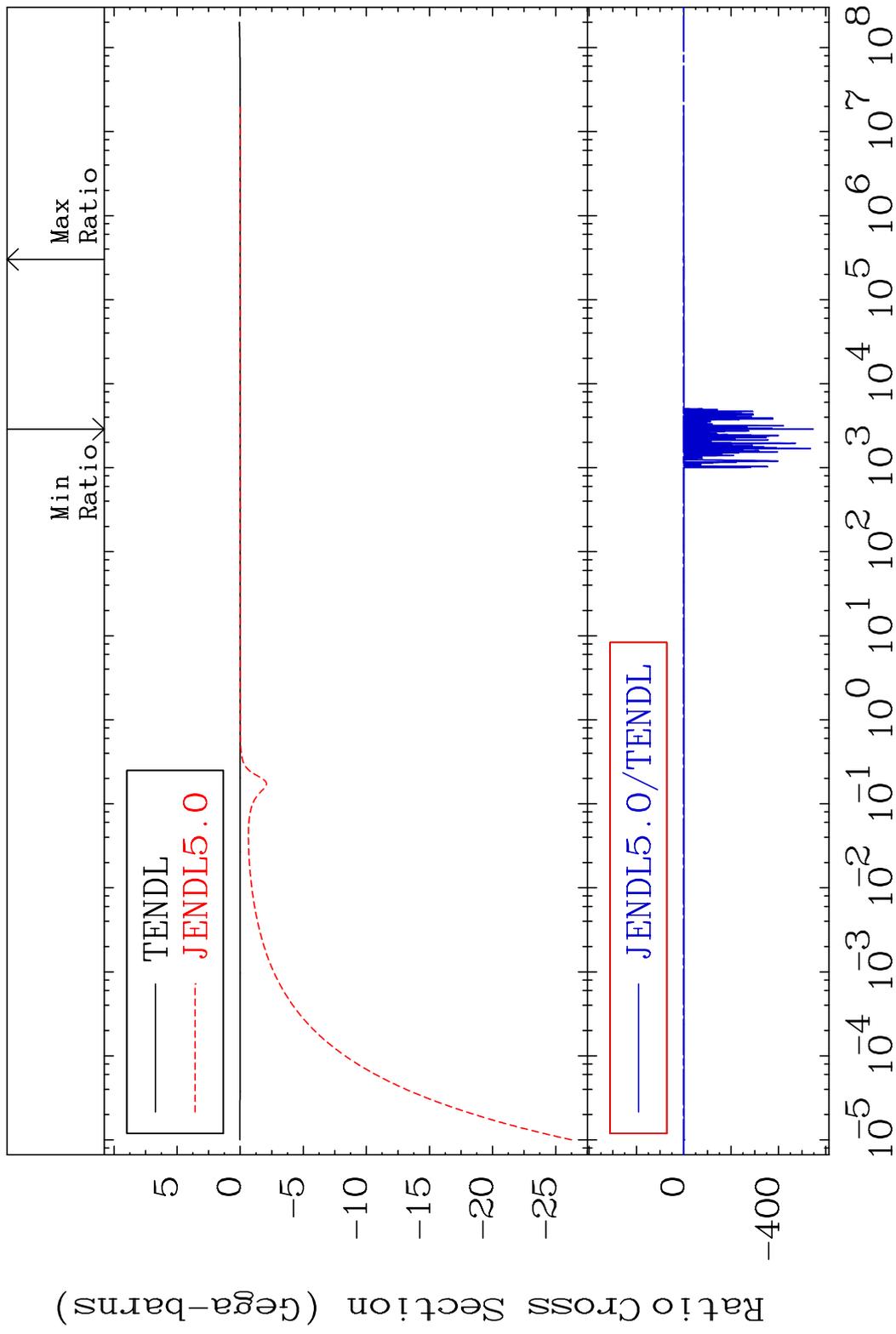


52

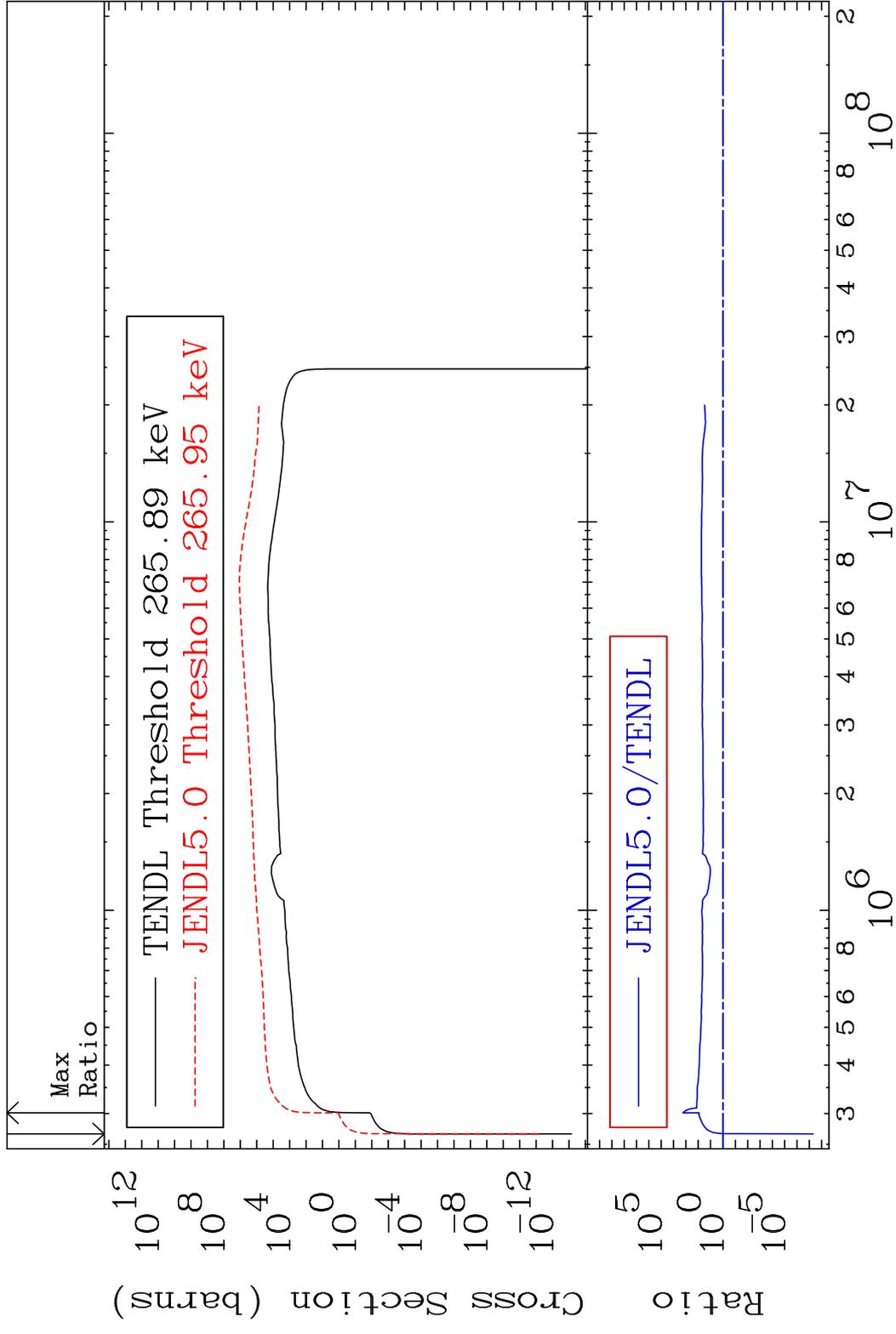
Incident Energy (eV)

48-Cd-113

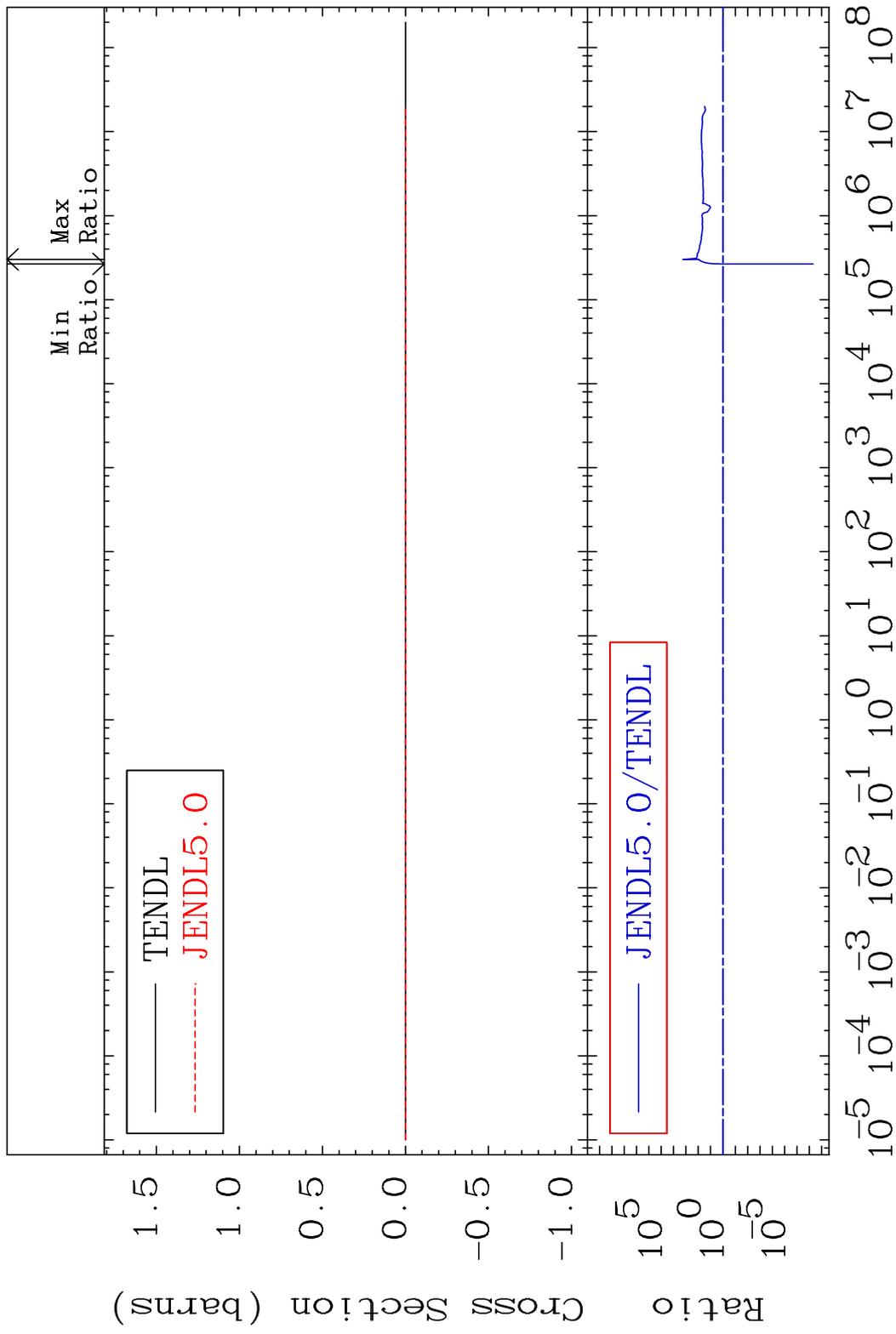
MAT 4846 Kerma non-elastic (all but mt2) 48-Cd-113
Cross Section -9999. To 9999. %

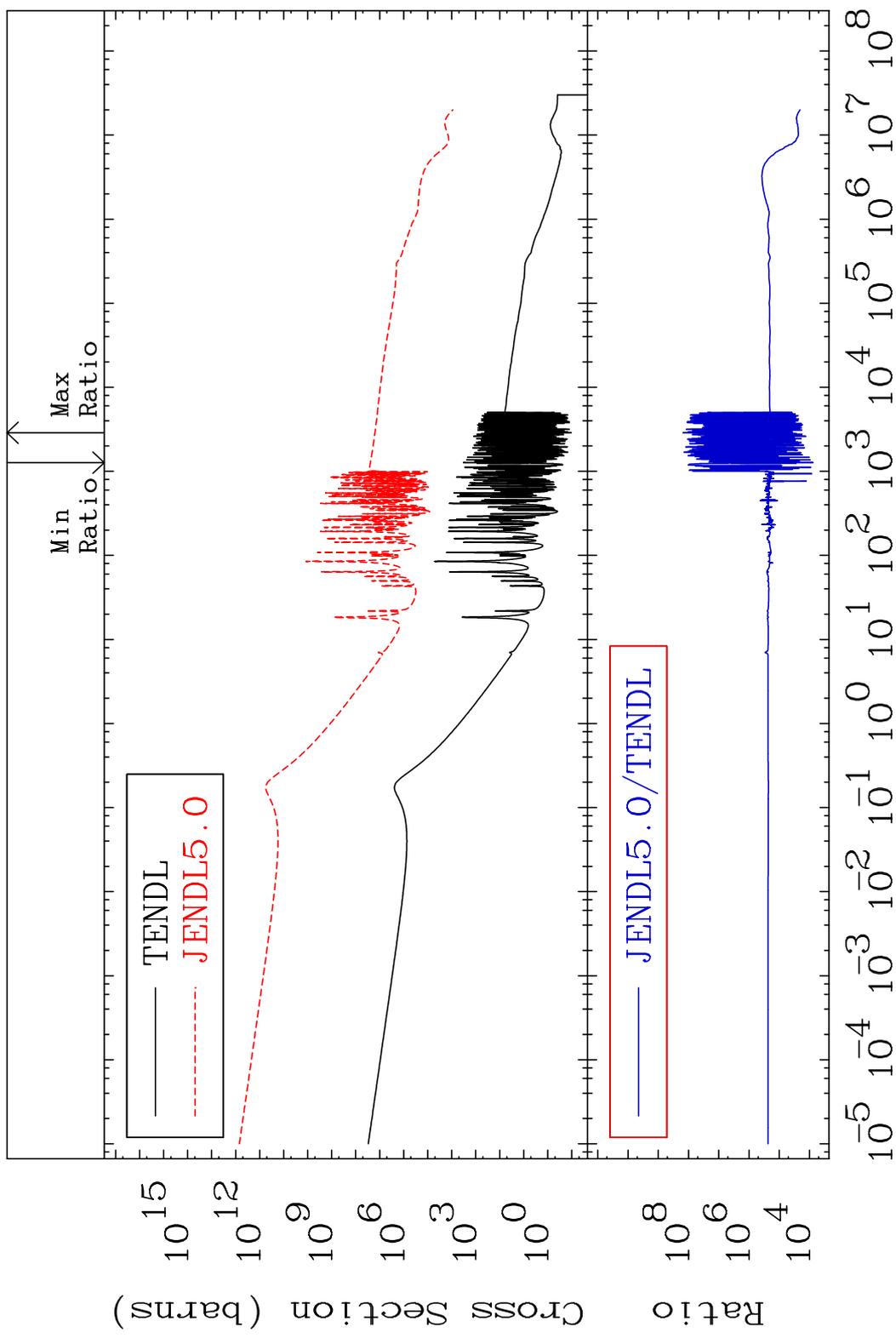


MAT 4846 Kerma inelastic (mt51-91) 48-Cd-113
 Cross Section -100.0 To 9999. %

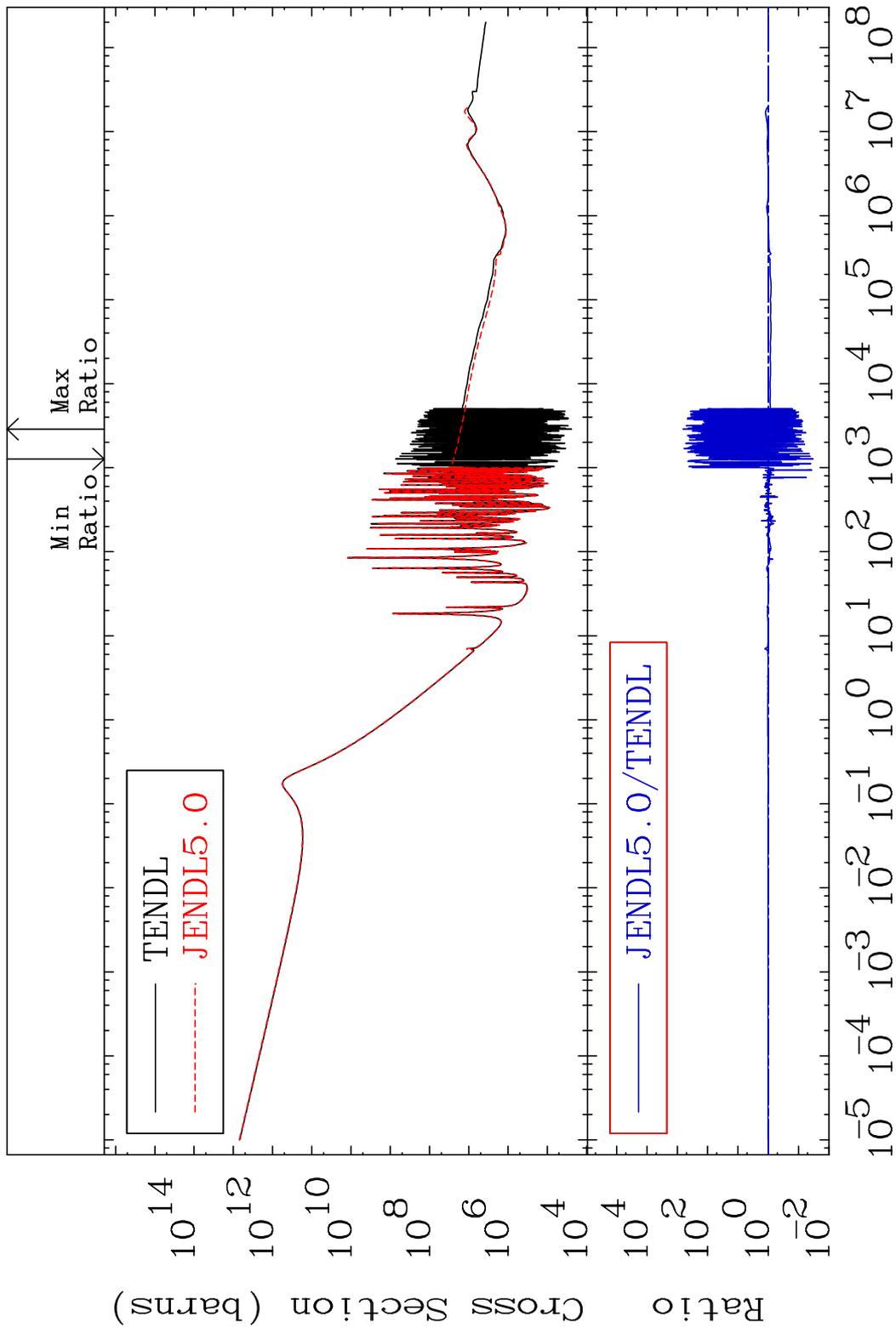


MAT 4846 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-113
 Cross Section -100.0 To 9999. %

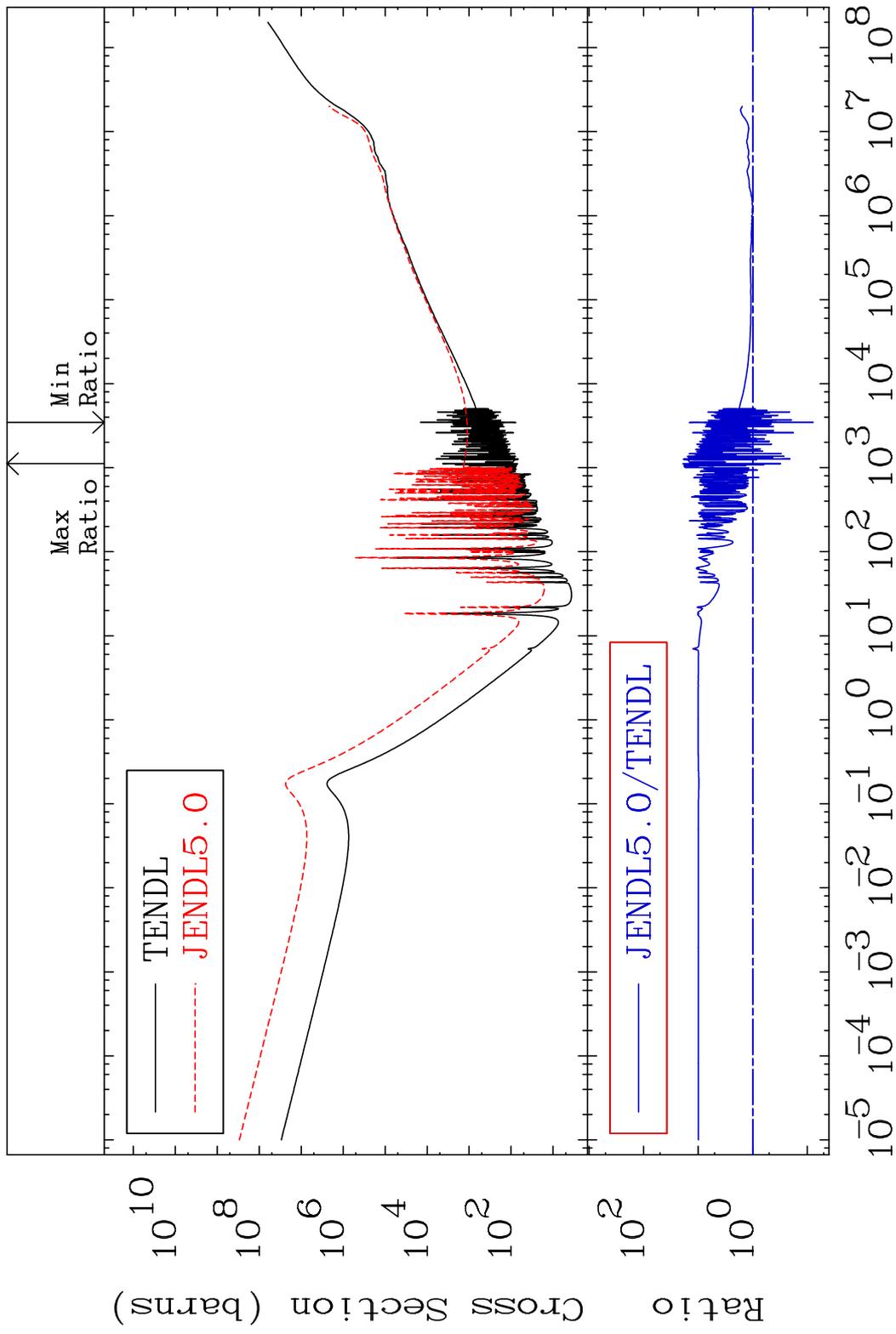




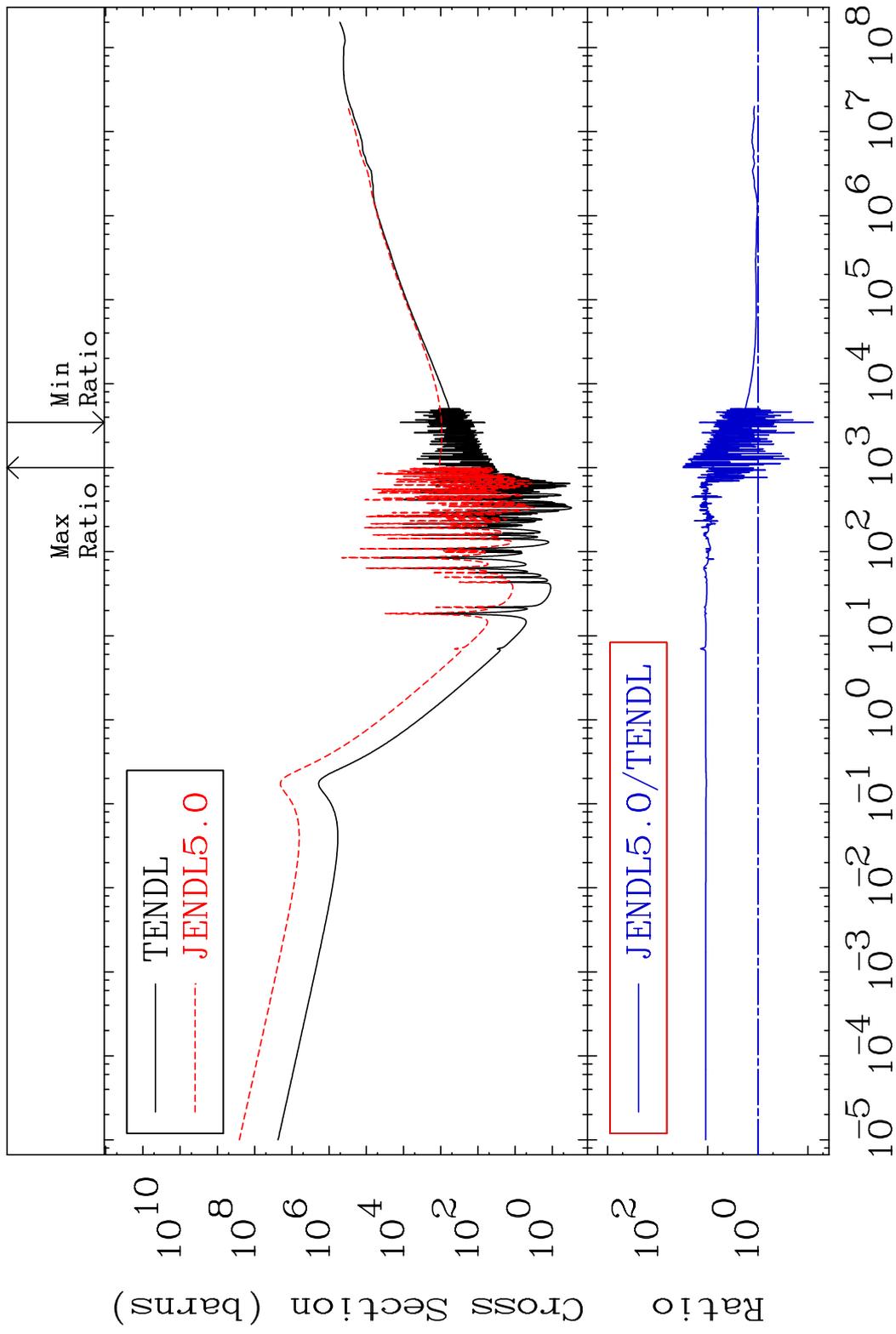
MAT 4846 Total photon (eV-barns) 48-Cd-113
Cross Section -96.72 To 9999. %



MAT 4846 Total kinematic kerma (high limit) 48-Cd-113
 Cross Section -92.20 To 1811. %



MAT 4846 Dpa total (eV-barns) 48-Cd-113
 Cross Section -92.12 To 3040. %

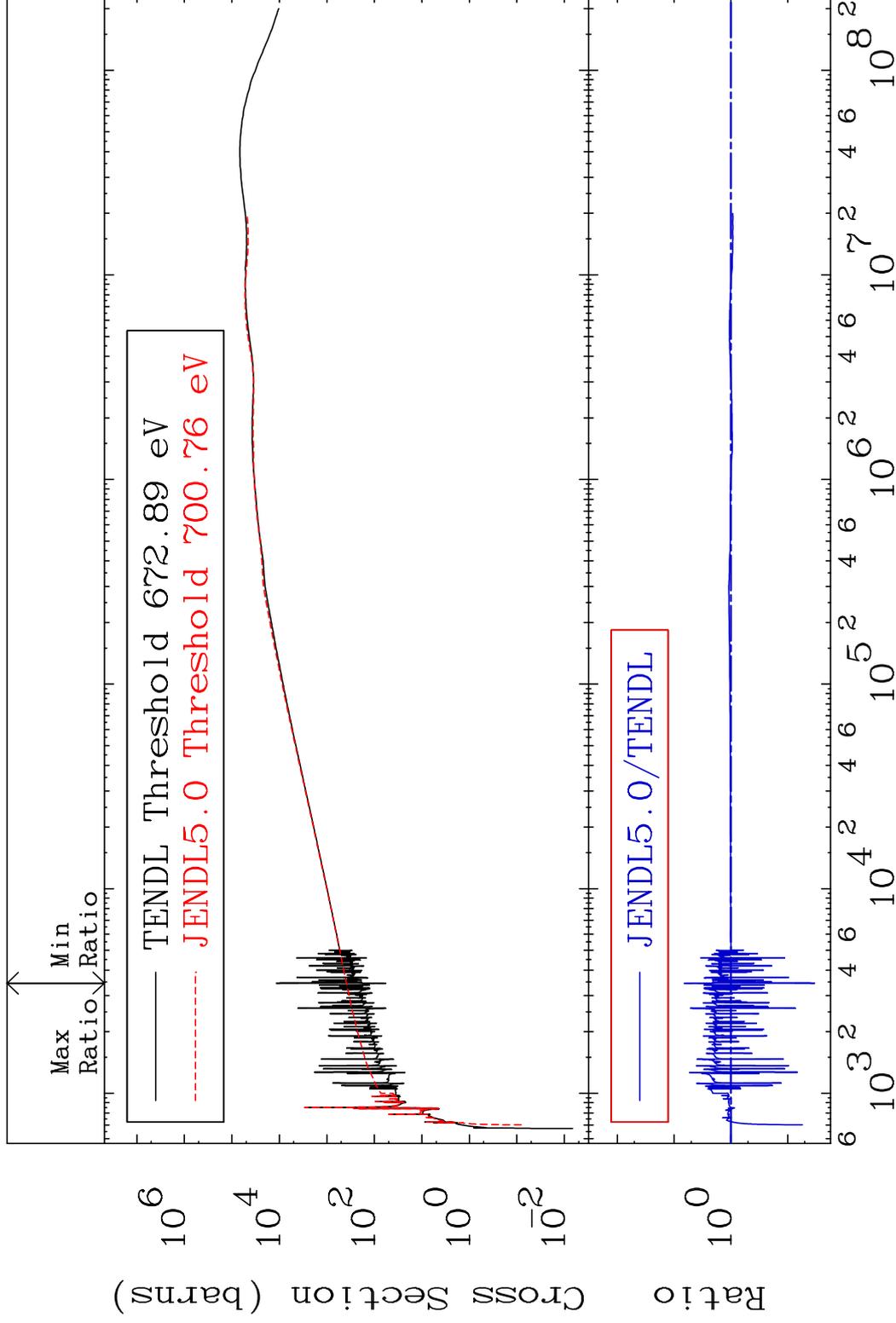


MAT 4846

Dpa elastic (mt2)

48-Cd-113

Cross Section -96.66 To 565.9 %

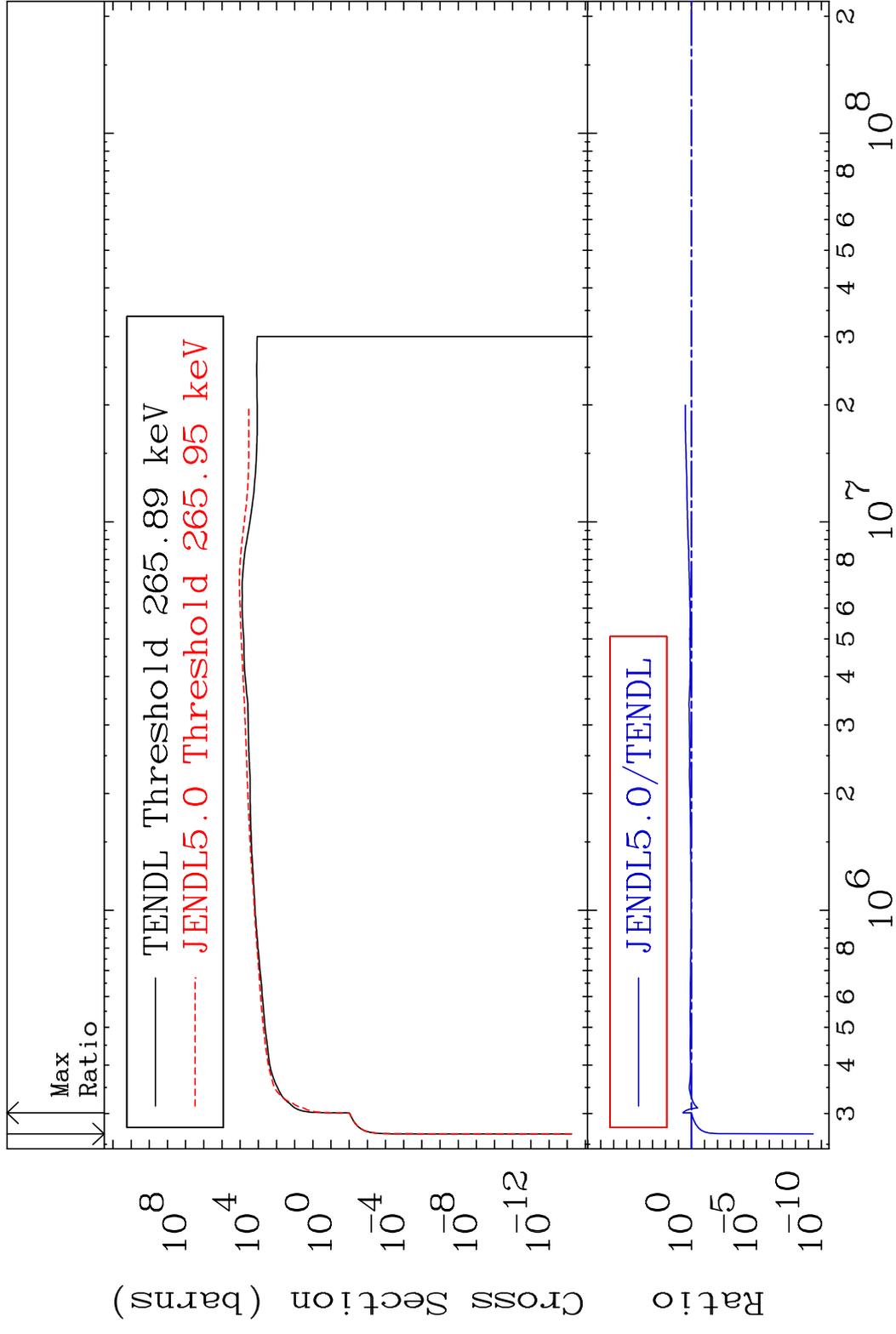


60

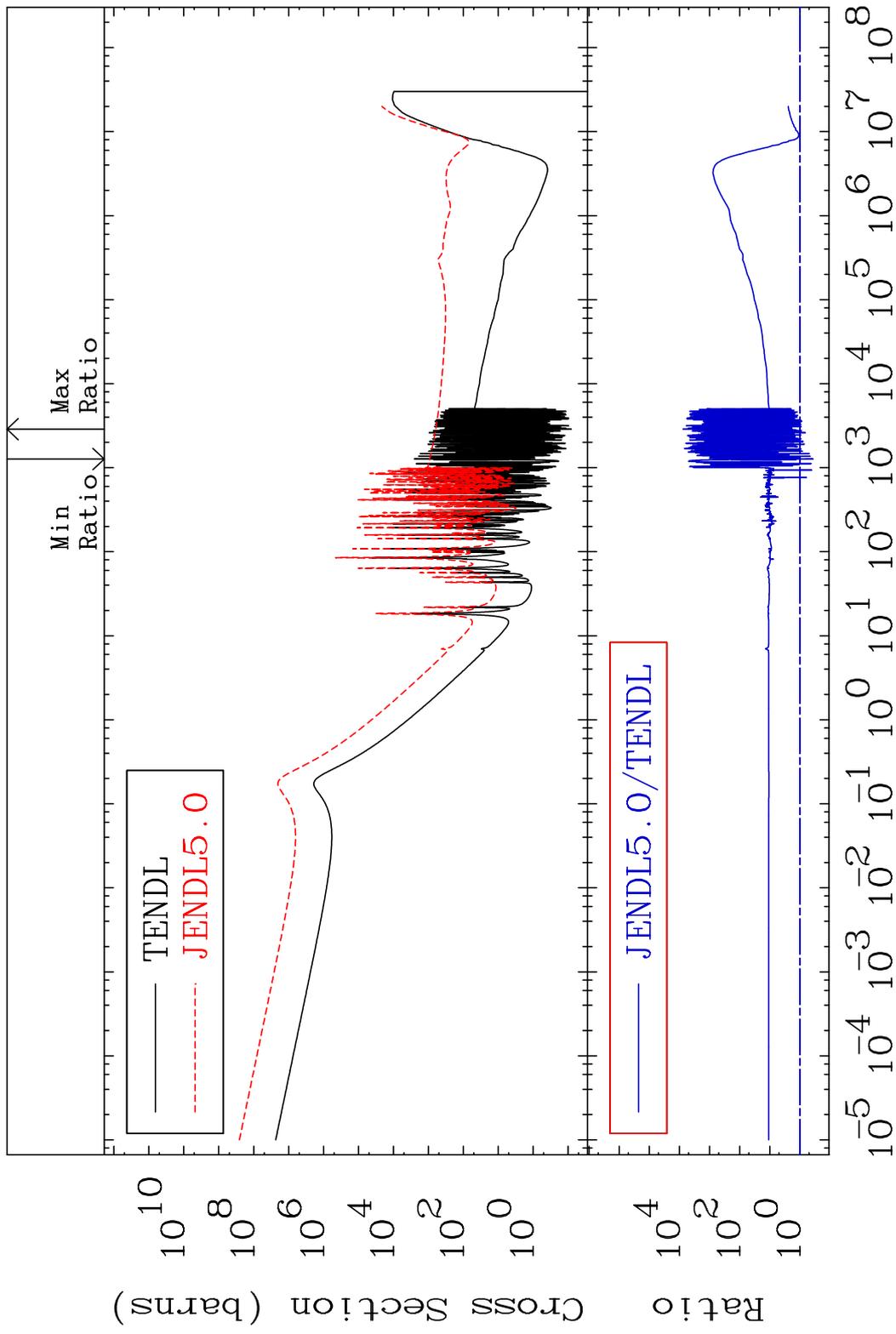
Incident Energy (eV)

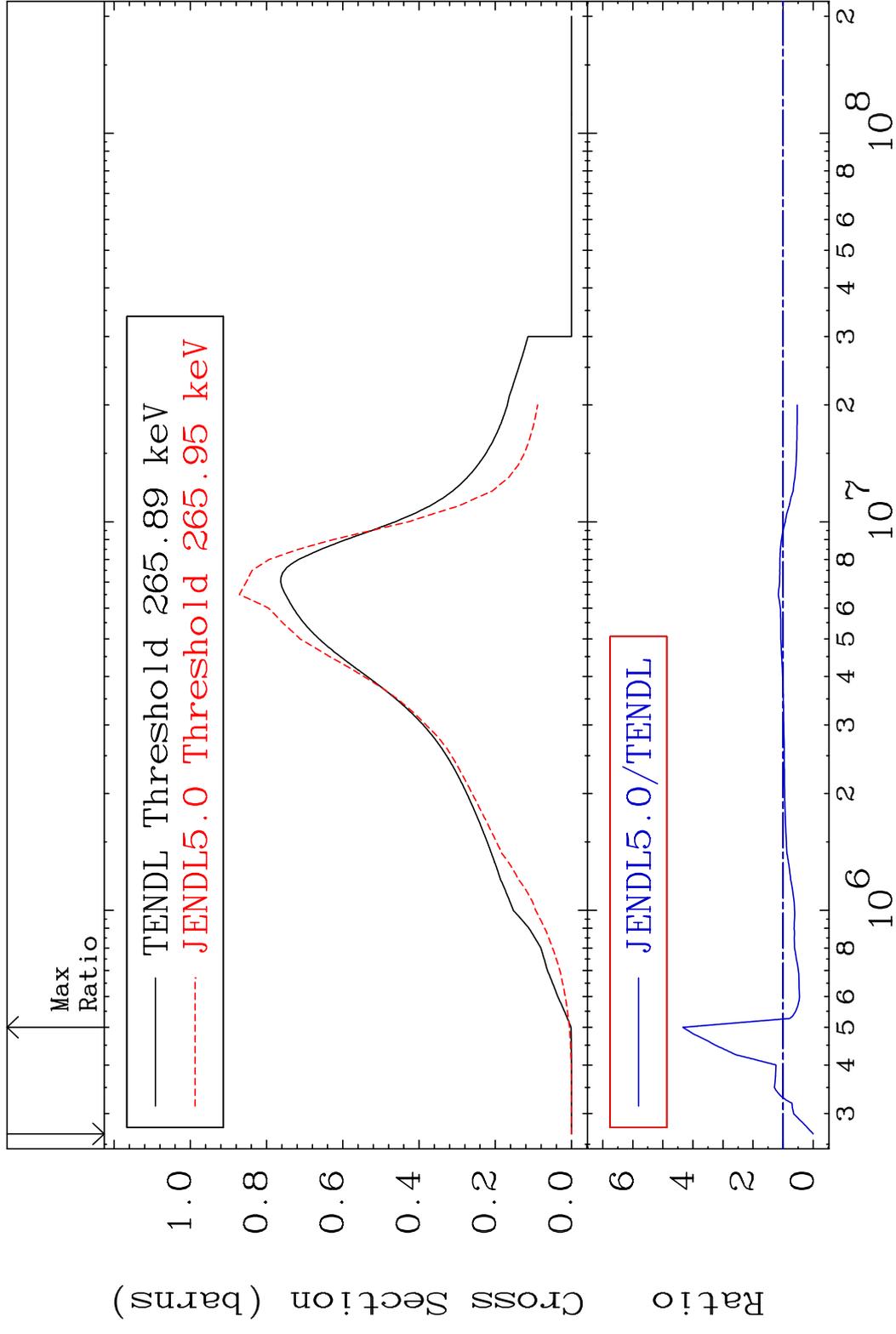
48-Cd-113

MAT 4846 Dpa inelastic (mt51-91) 48-Cd-113
 Cross Section -100.0 To 368.9 %

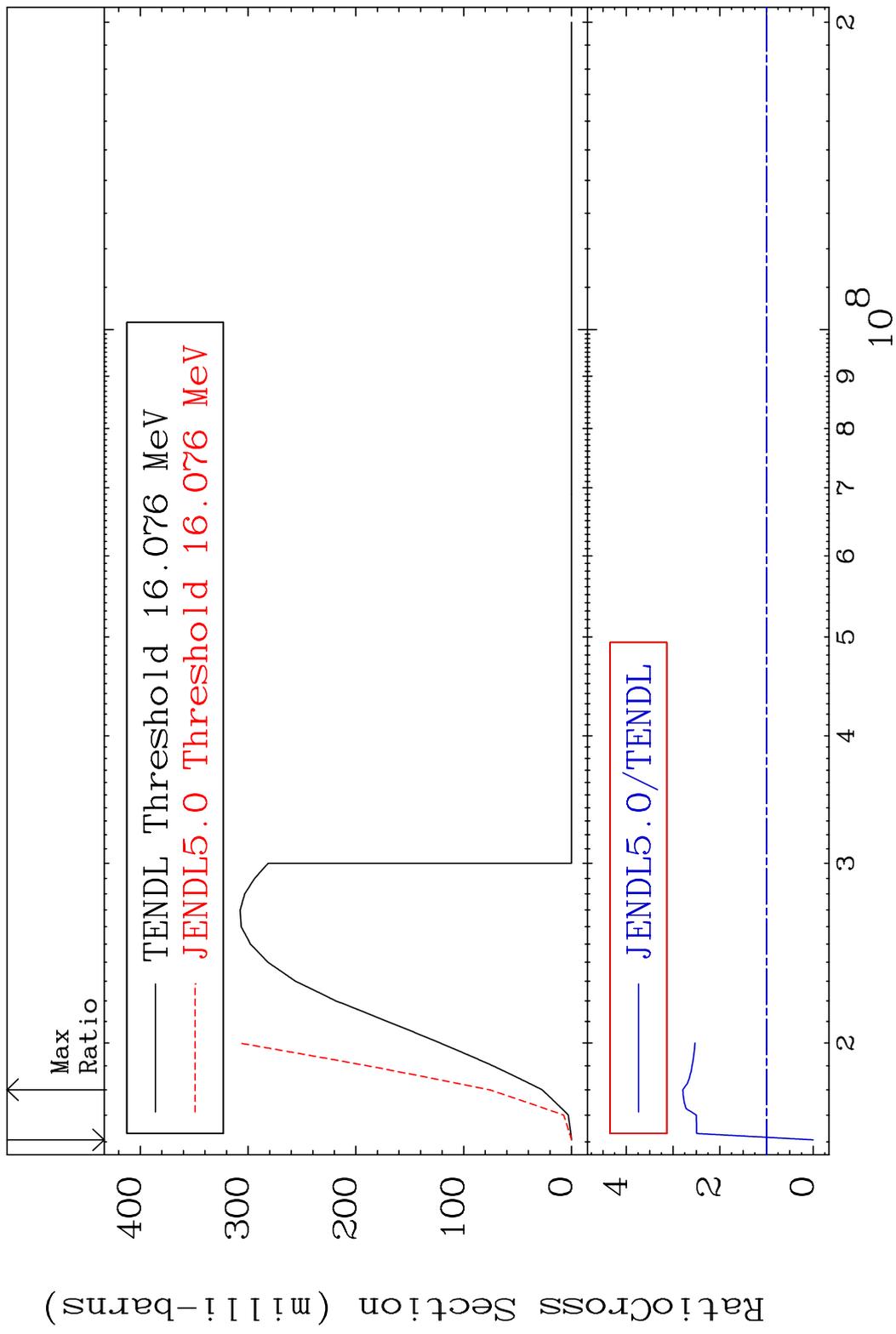


MAT 4846 Dpa disappearance (mt102 -120) 48-Cd-113
 Cross Section -63.52 To 9999. %

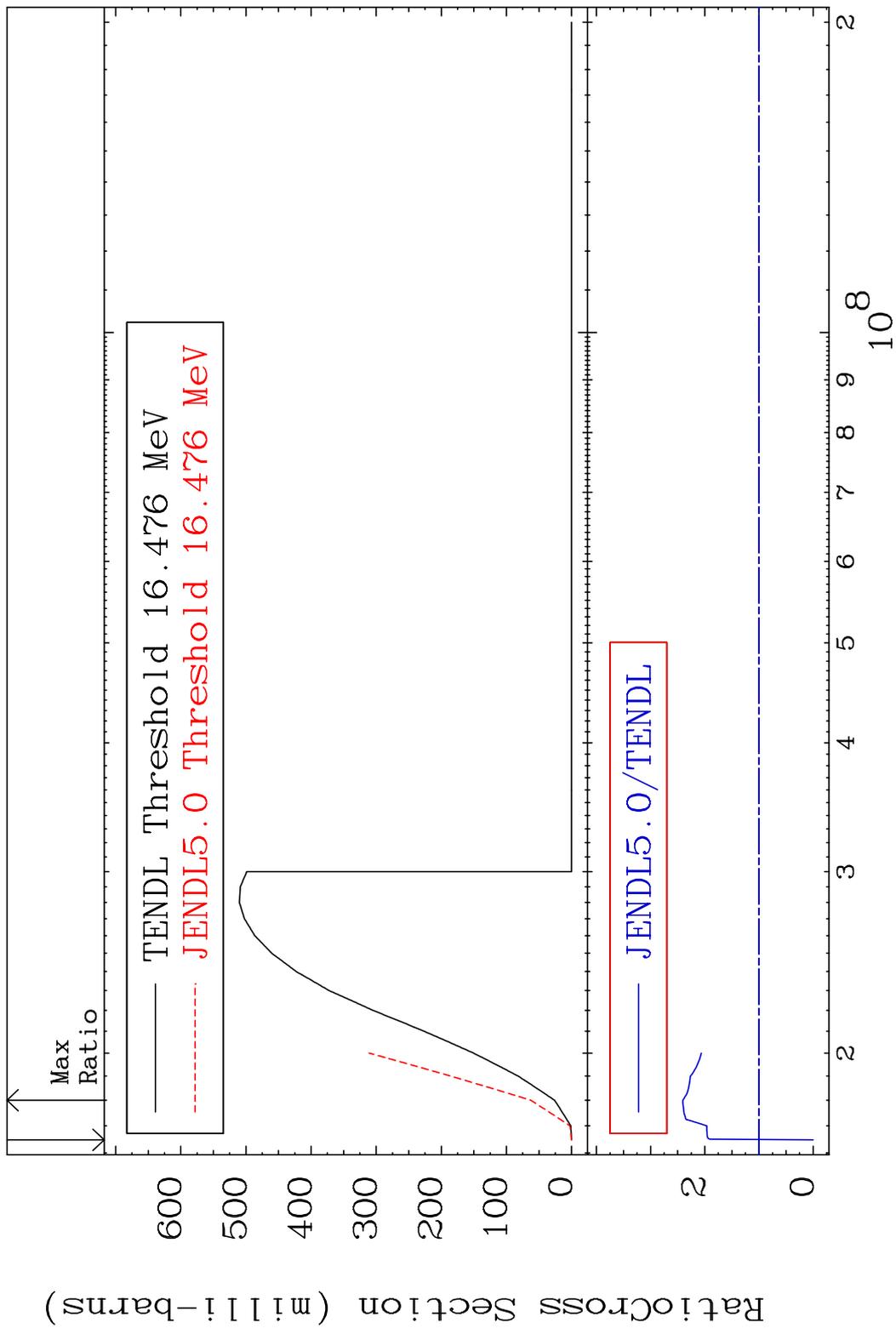


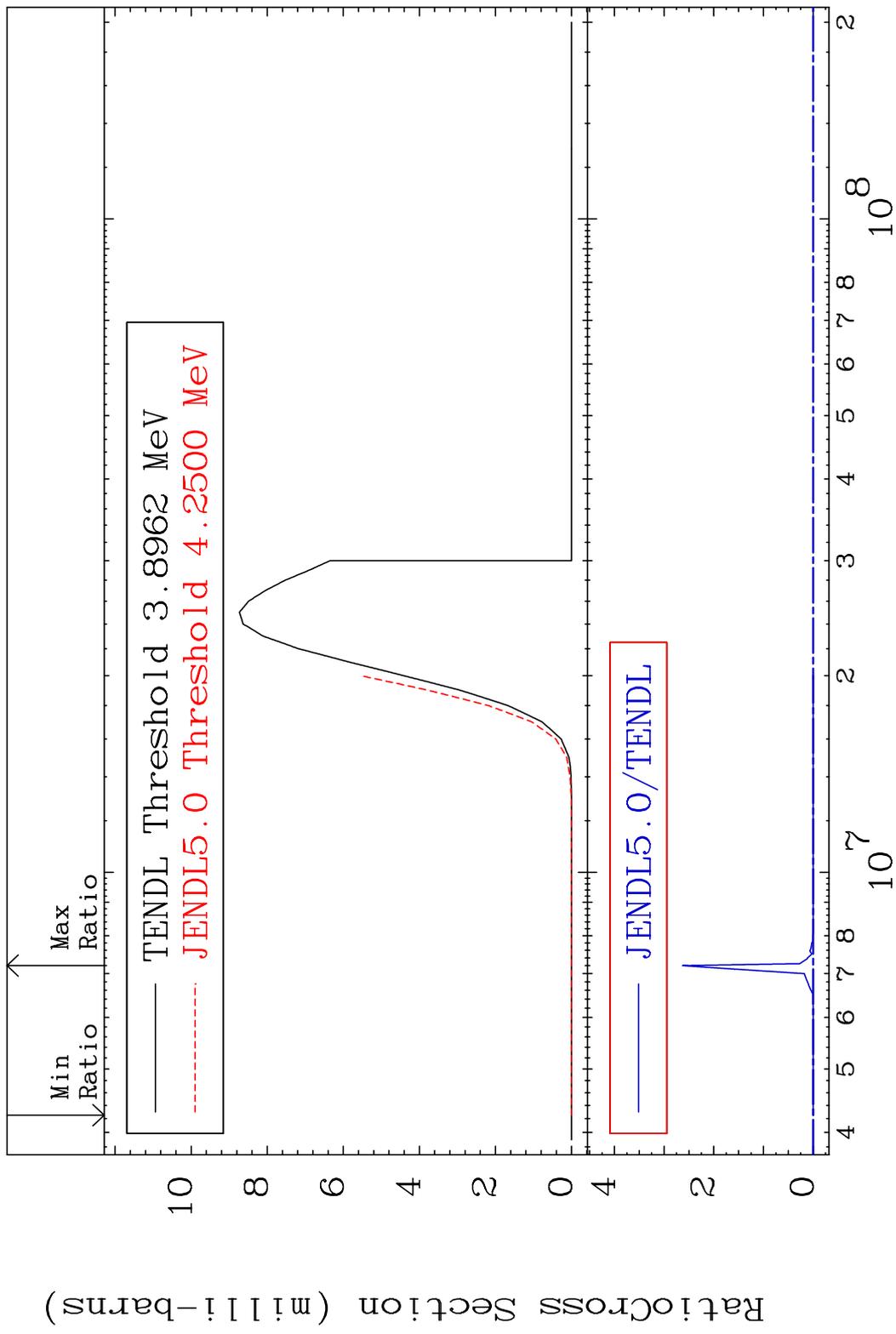


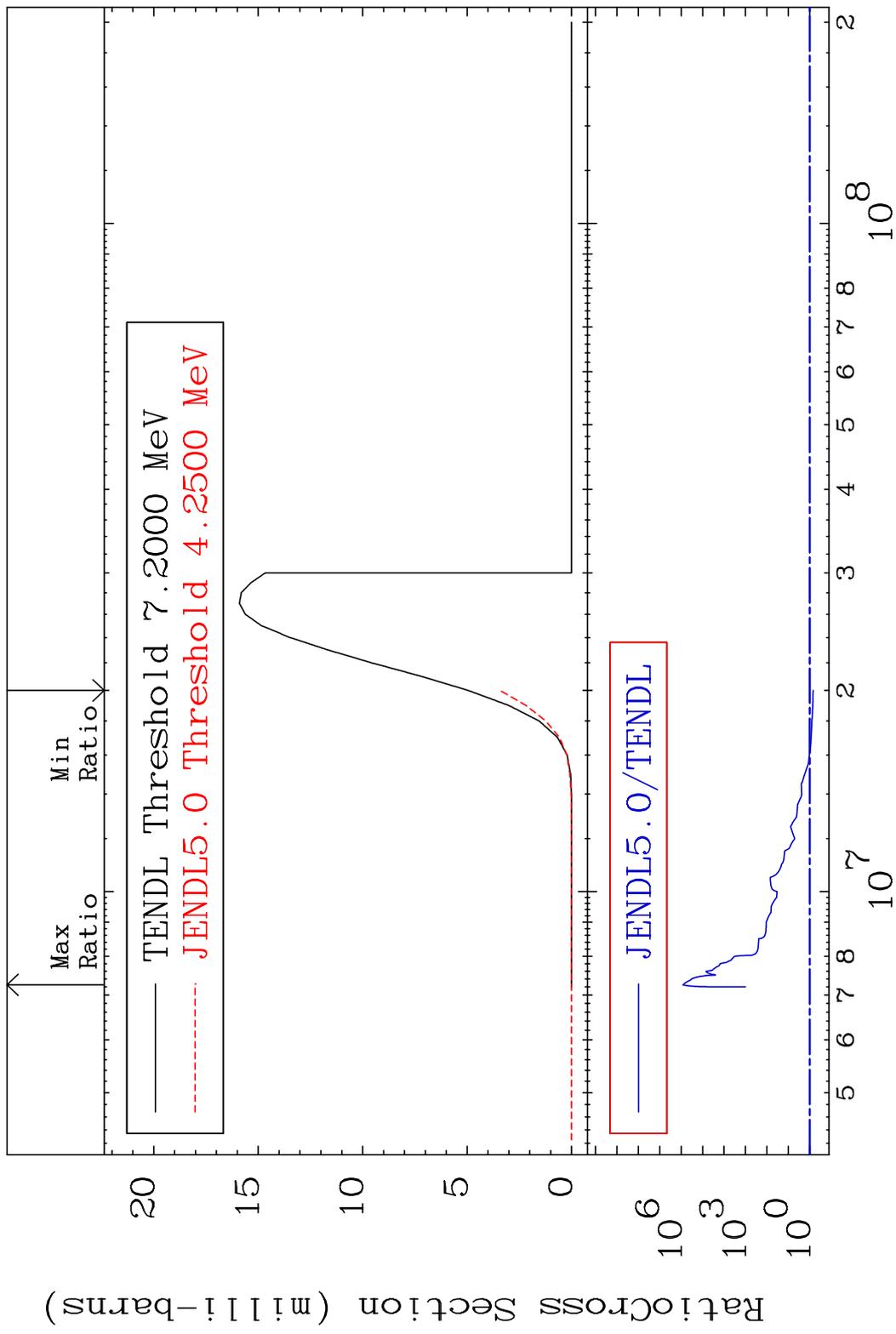
MAT 4846 (n,3n):48-Cd-111g 48-Cd-113
 Radionuclide Production Cross Section 180.0 mb 179.0 %

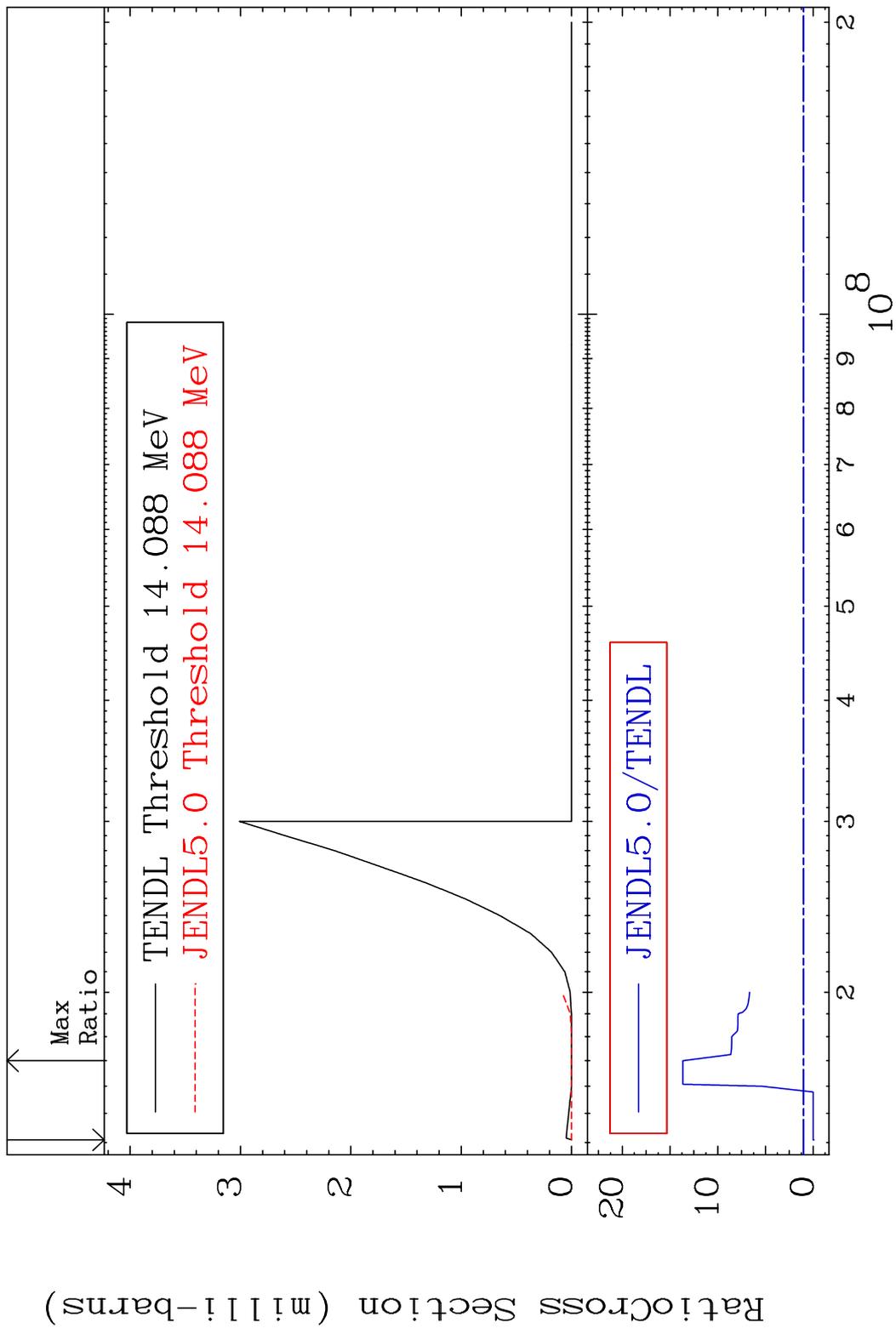


MAT 4846 (n, 3n) : 48-Cd-111m3 48-Cd-113
 Radionuclide Production Cross Section 180.0 mb 140.5 %

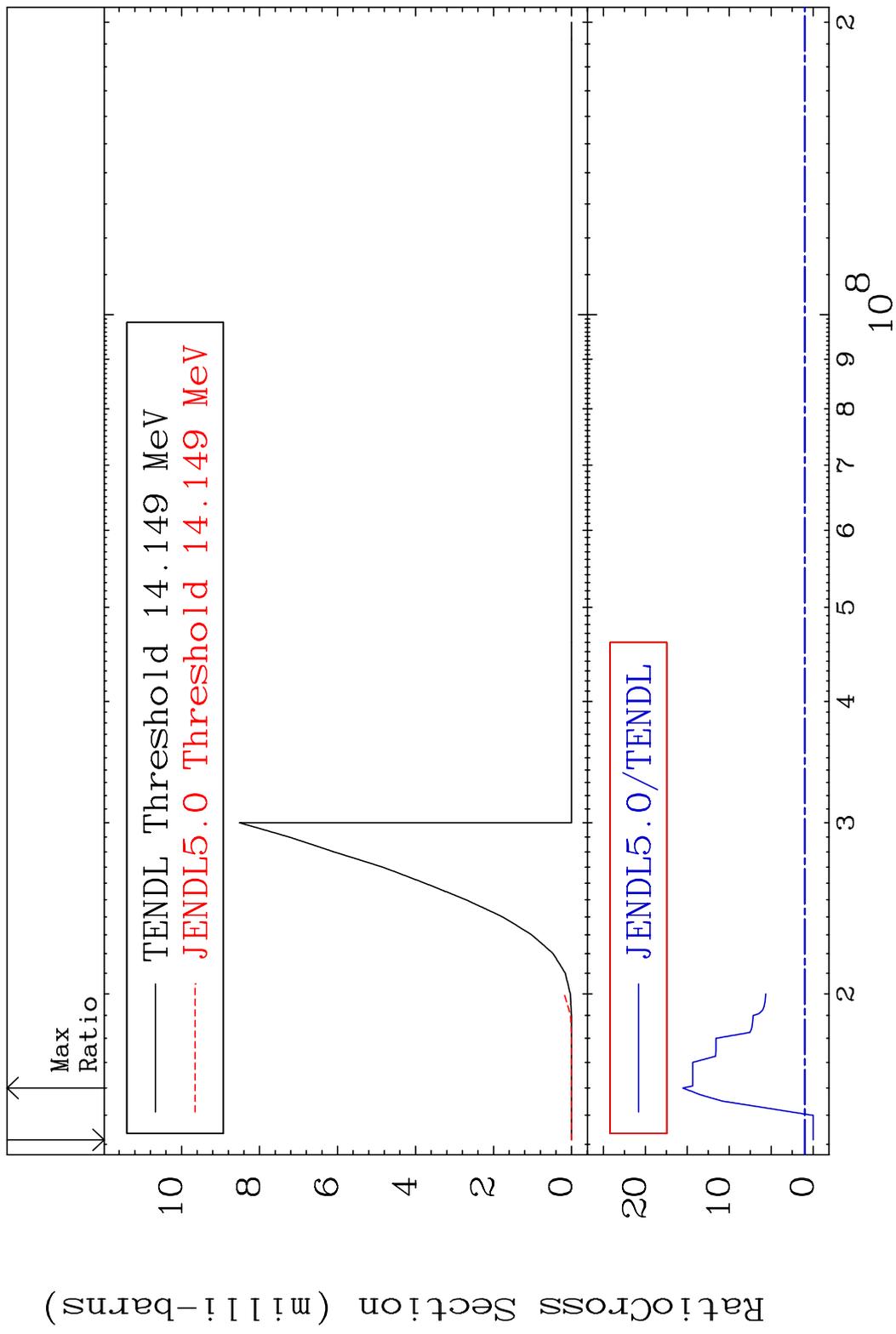


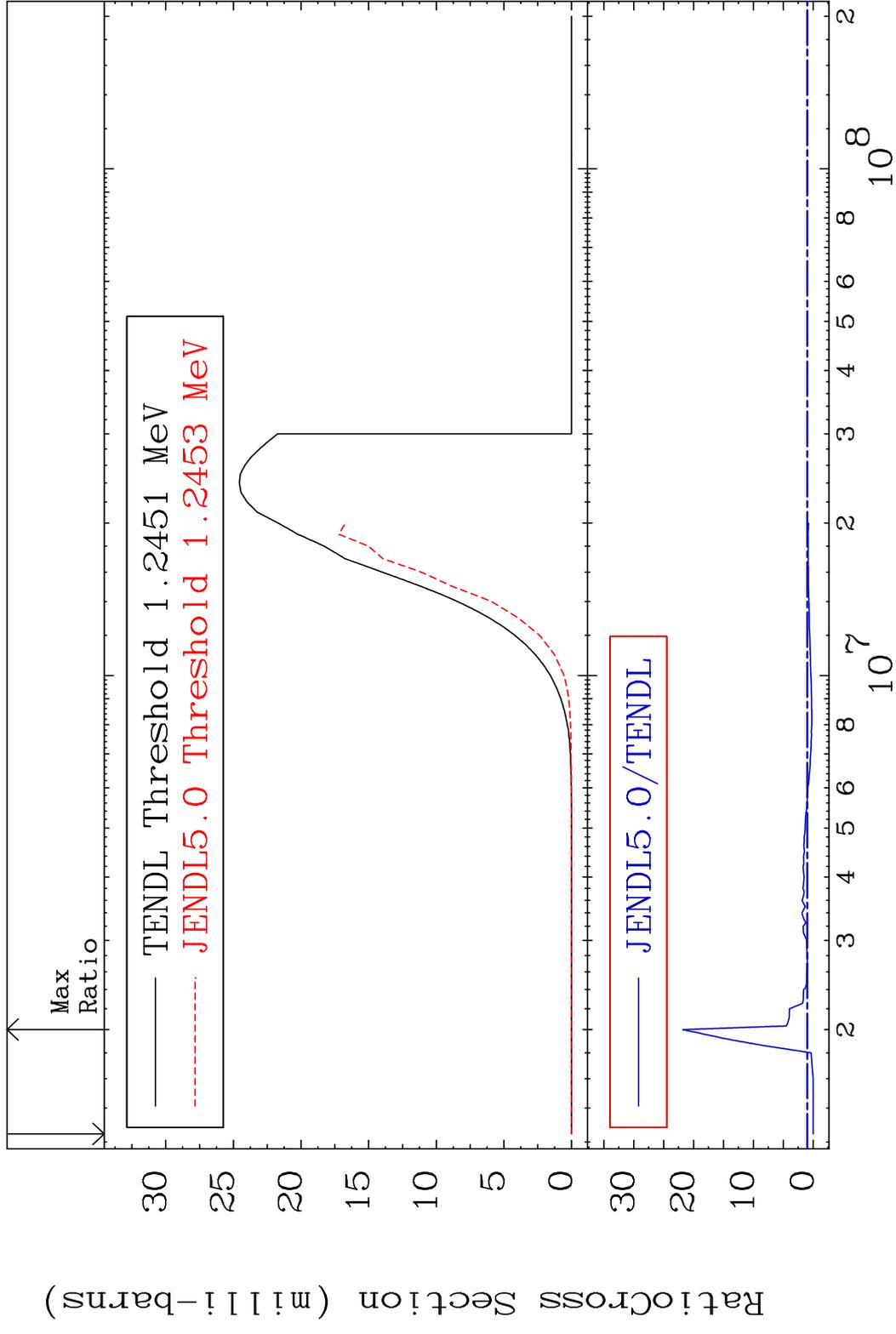






MAT 4846 (n, n') d:47-Ag-111m1 48-Cd-113
 Radionuclide Production Cross Section 180.01 dth 1453. %





MAT 4846 (n, p): 47-Ag-113m1 48-Cd-113
 Radionuclide Production Cross Section Ratio 4003. %

