

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

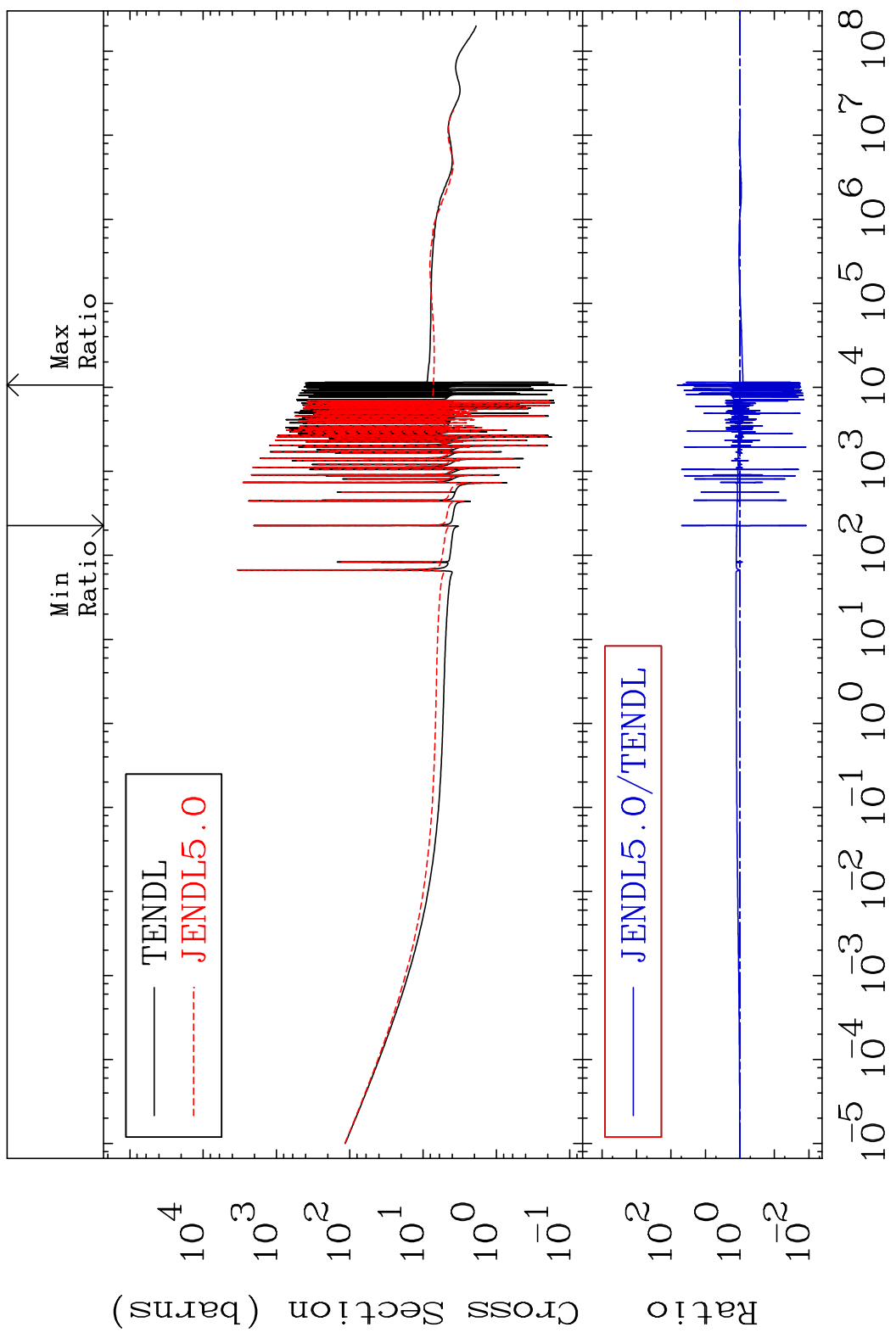
Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4843

Total Cross Section -98.82 To 6506. %
48-Cd-112



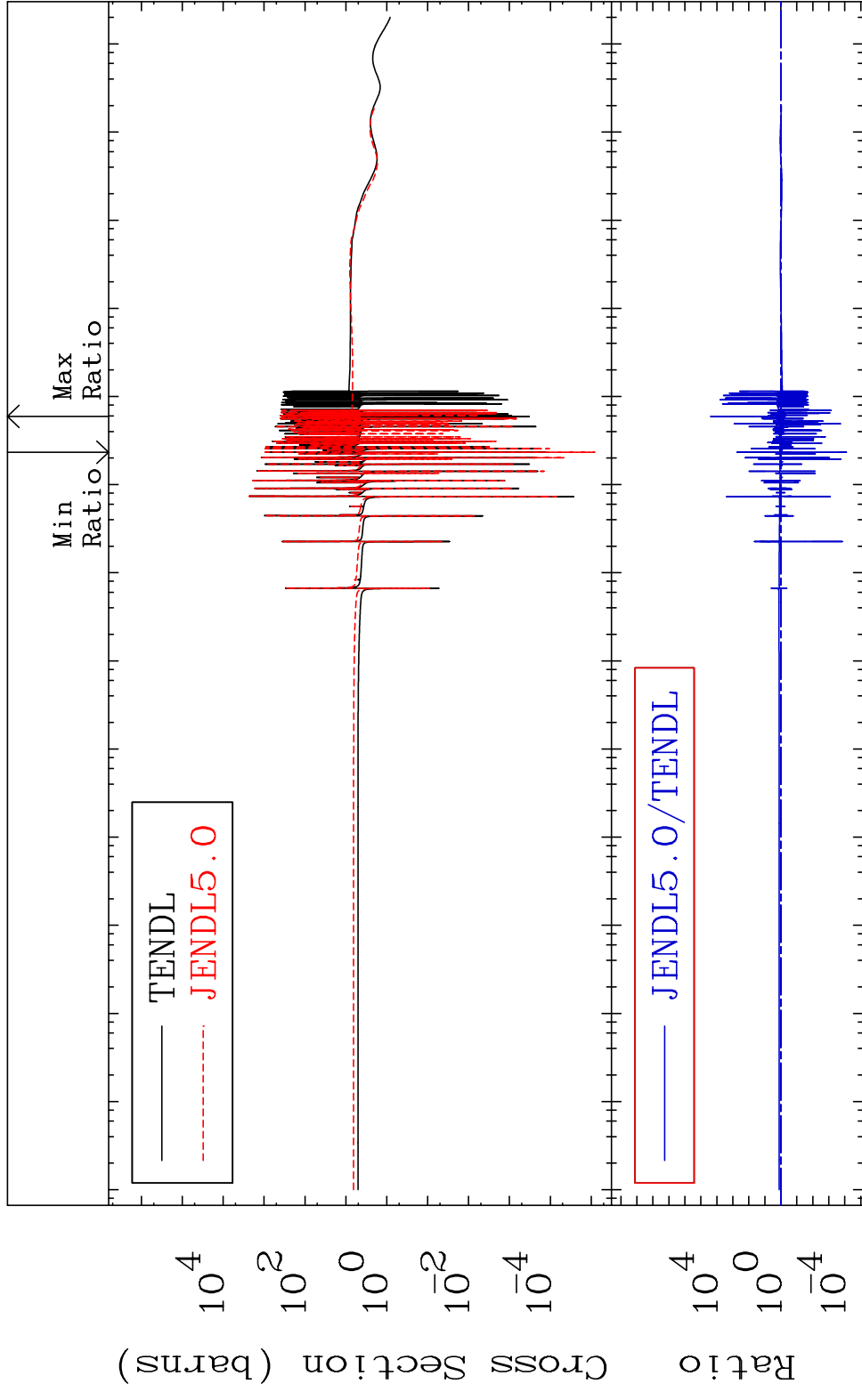
1 Incident Energy (eV) 48-Cd-112

MAT 4843

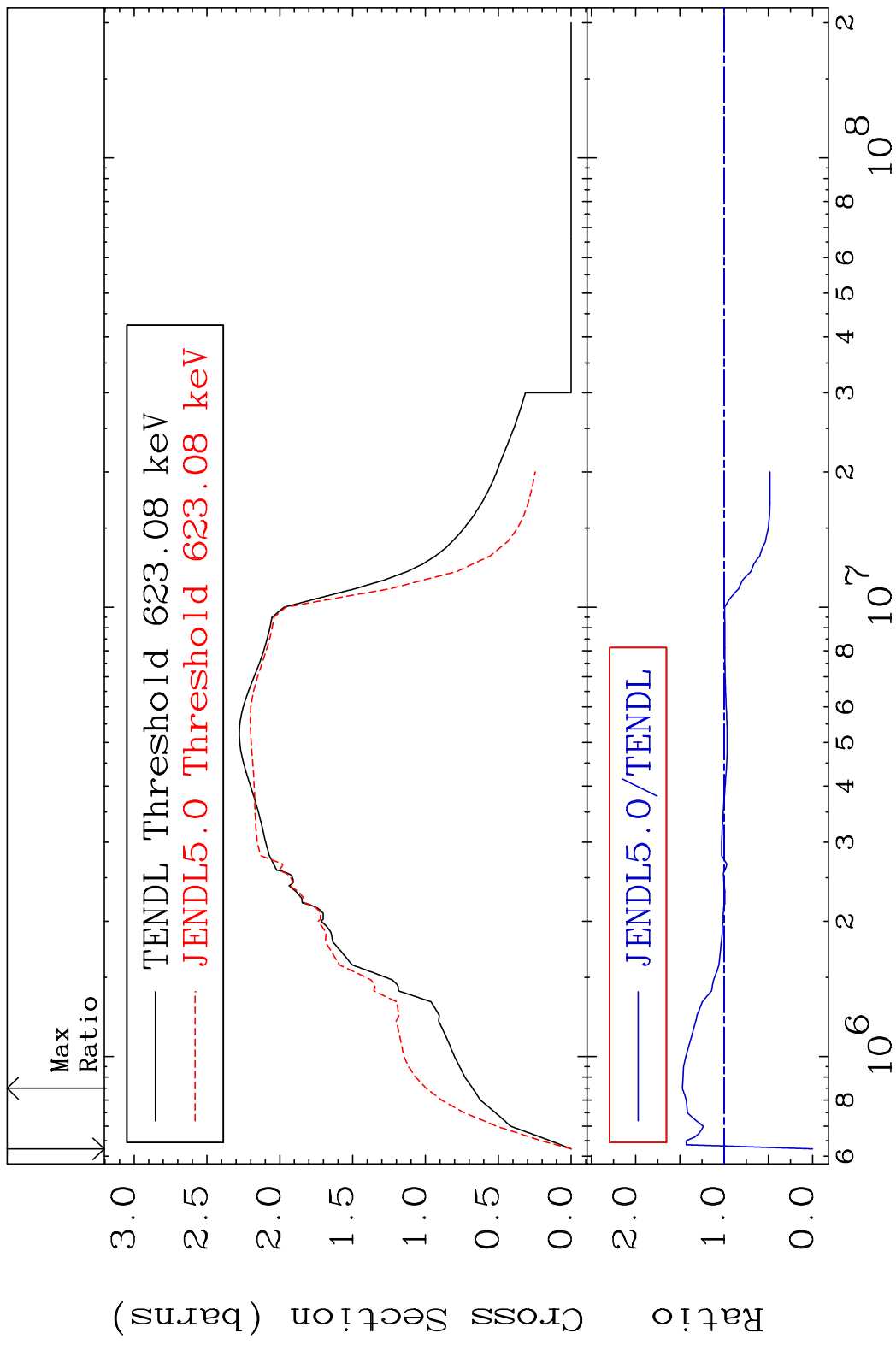
Elastic

48-Cd-112

Cross Section -99.99 To 9999. %



MAT 4843 Inelastic 48-Cd-112
 Cross Section -100.0 To 47.22 %



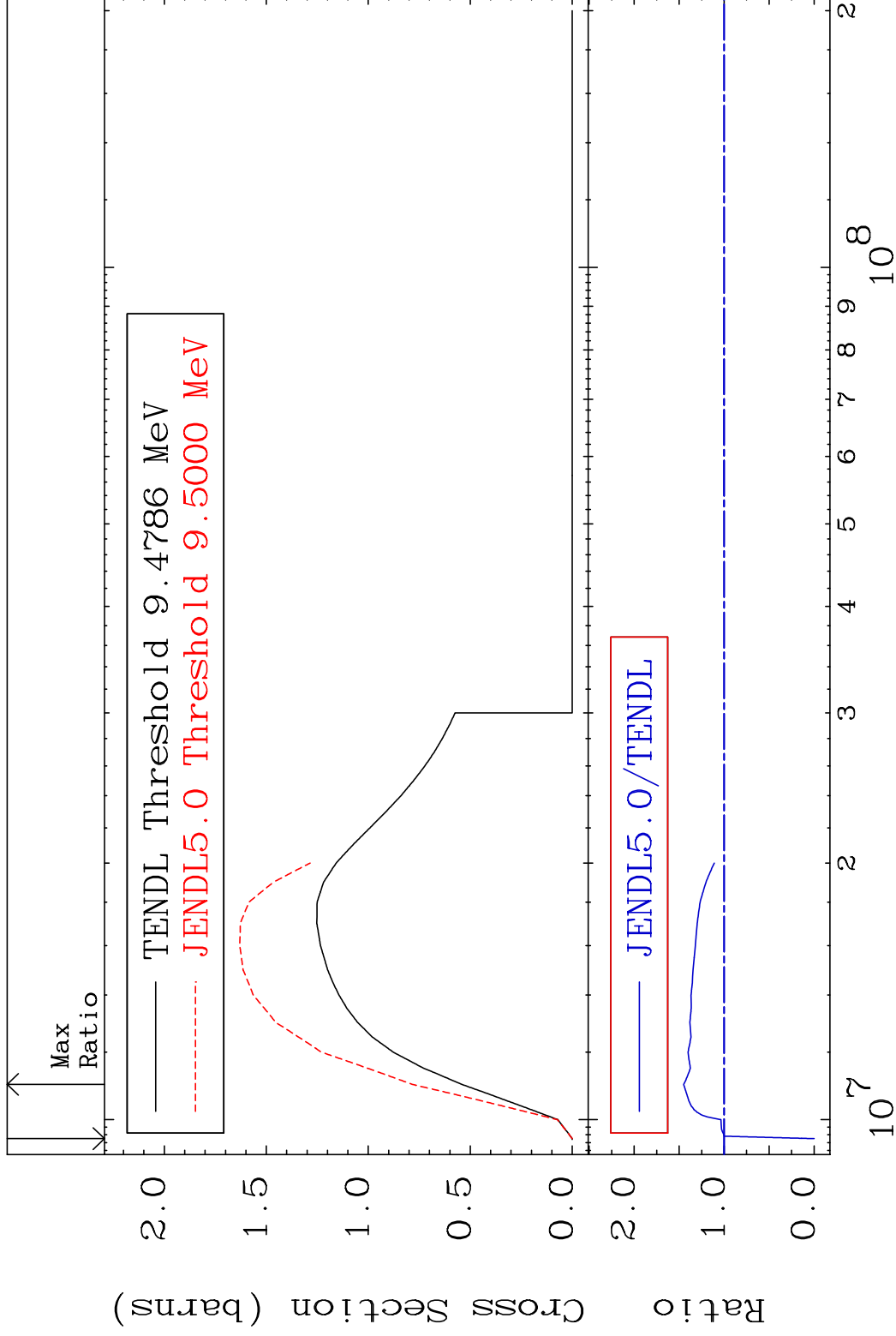
3 Incident Energy (eV) 48-Cd-112

MAT 4843

(n,2n)

48-Cd-112

Cross Section -100.0 To 44.99 %



4

Incident Energy (eV)

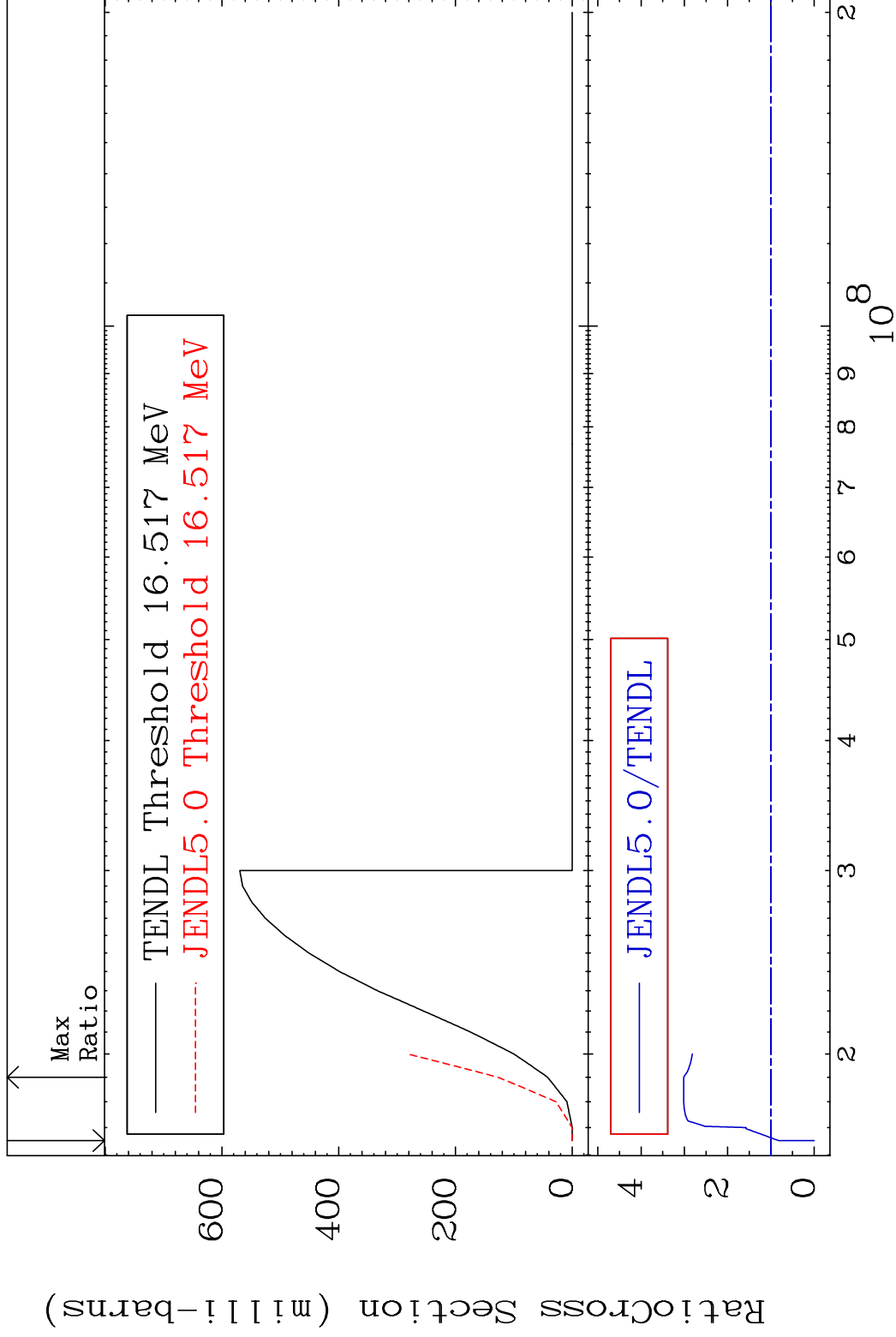
48-Cd-112

MAT 4843

(n,3n)

48-Cd-112

Cross Section -100.0 To 201.6 %

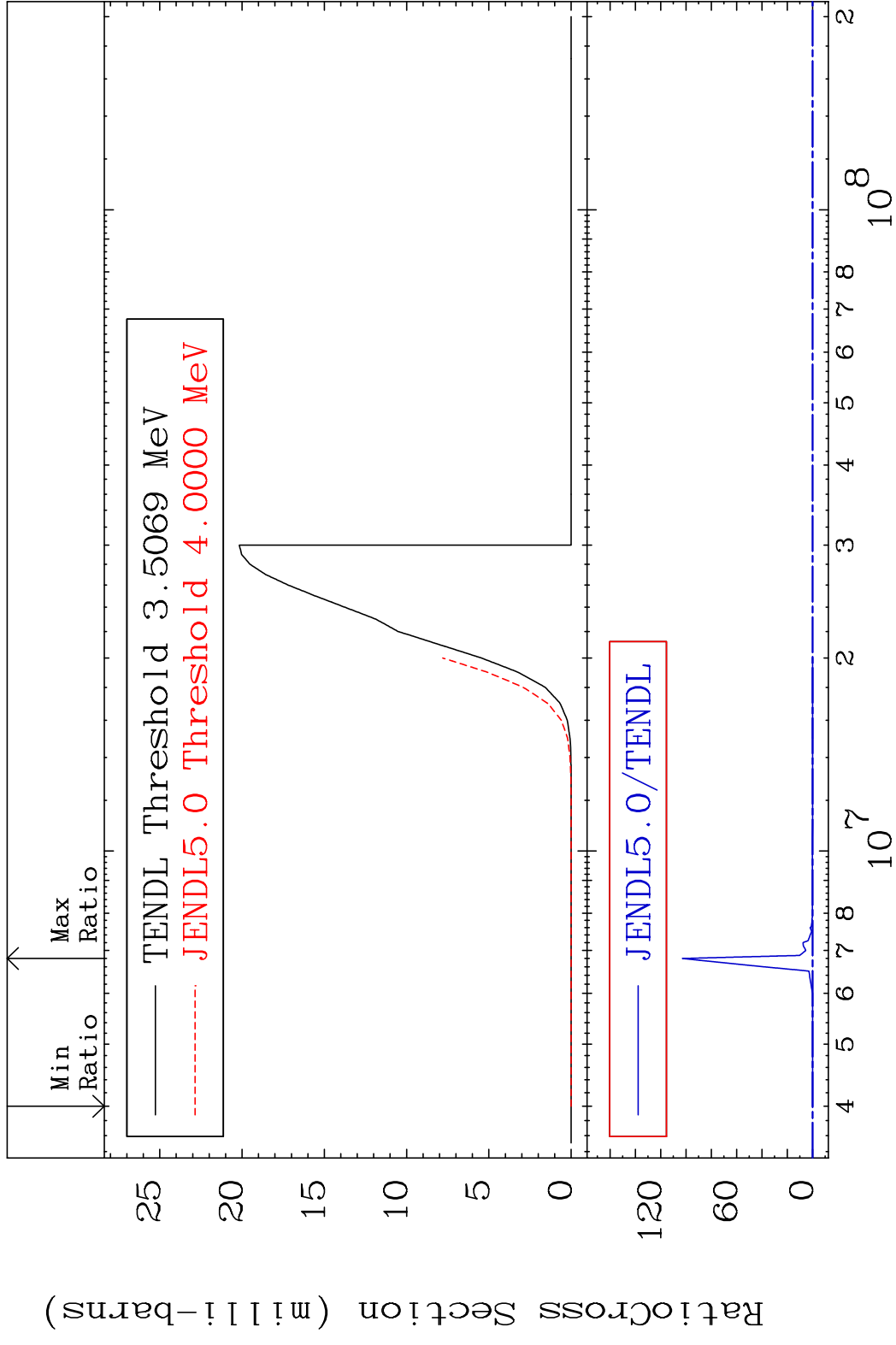


5

Incident Energy (eV)

48-Cd-112

MAT 4843 (n, n') α 48-Cd-112
 Cross Section -100.0 To 9999. %

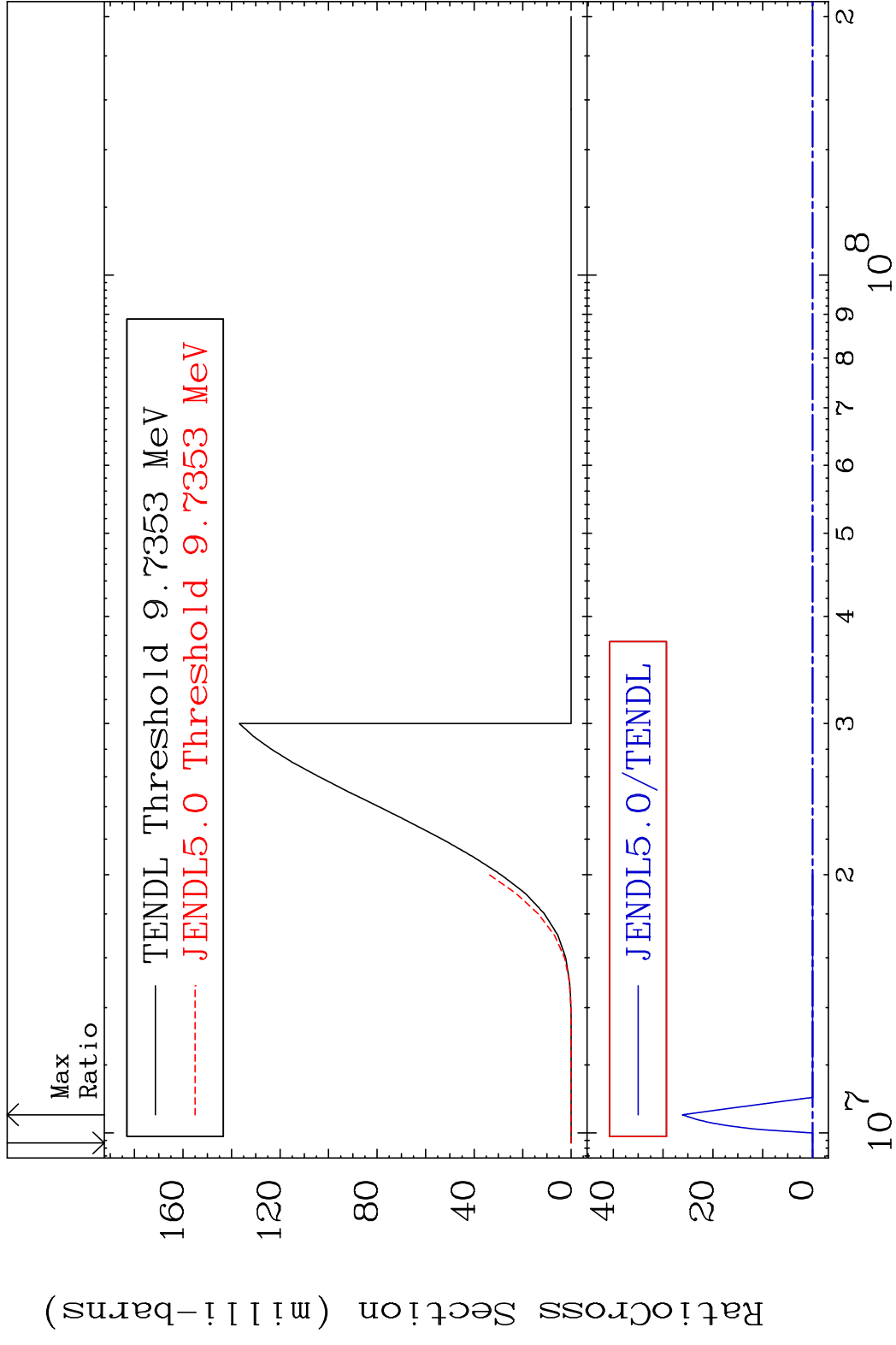


MAT 4843

(n, n') p

48-Cd-112

Cross Section -100.0 To 9999. %



48-Cd-112

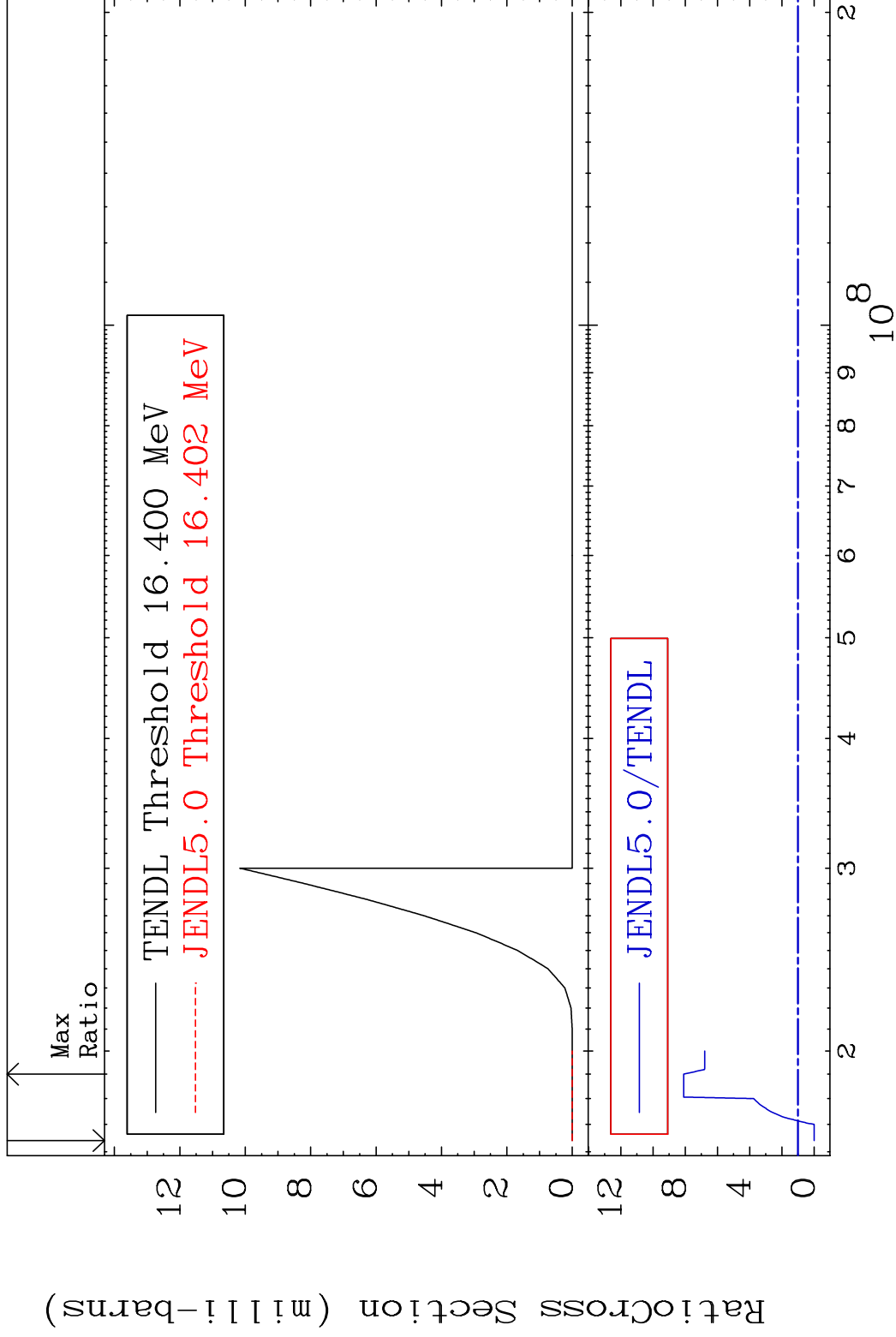
Incident Energy (eV)

MAT 4843

(n, n') d

48-Cd-112

Cross Section -100.0 To 709.7 %

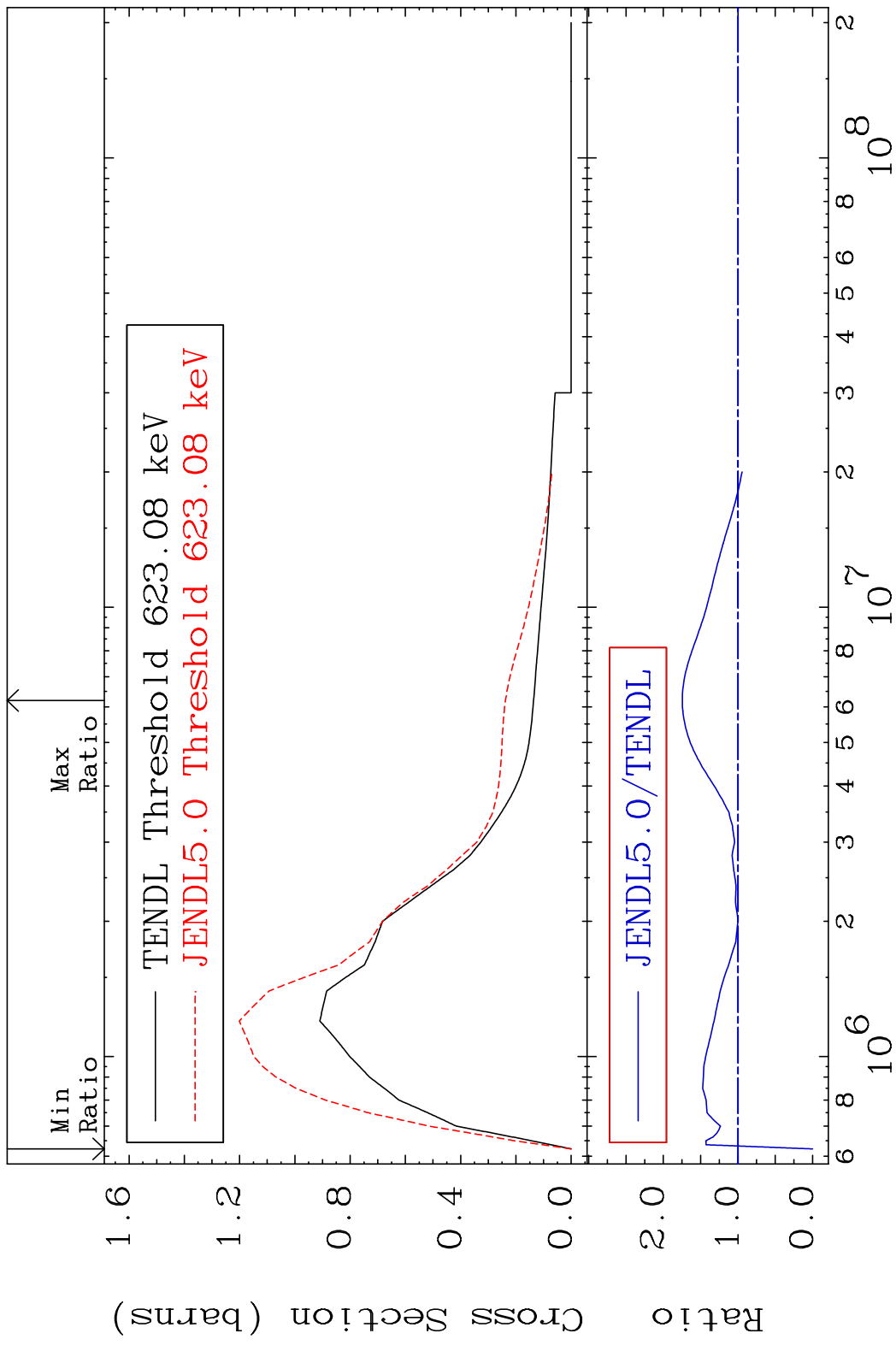


8

Incident Energy (eV)

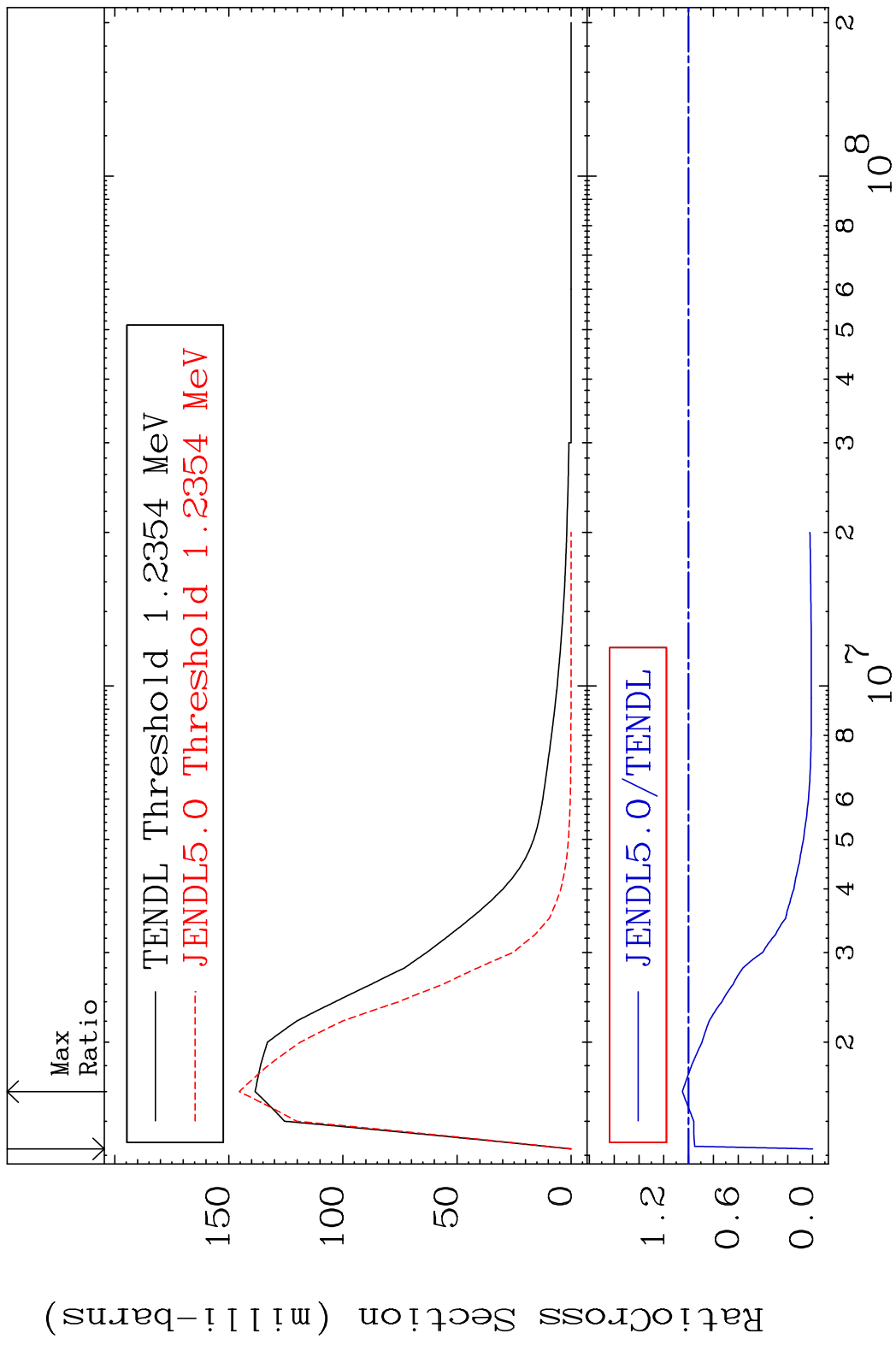
48-Cd-112

MAT 4843 MT= 51 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 74.49 %



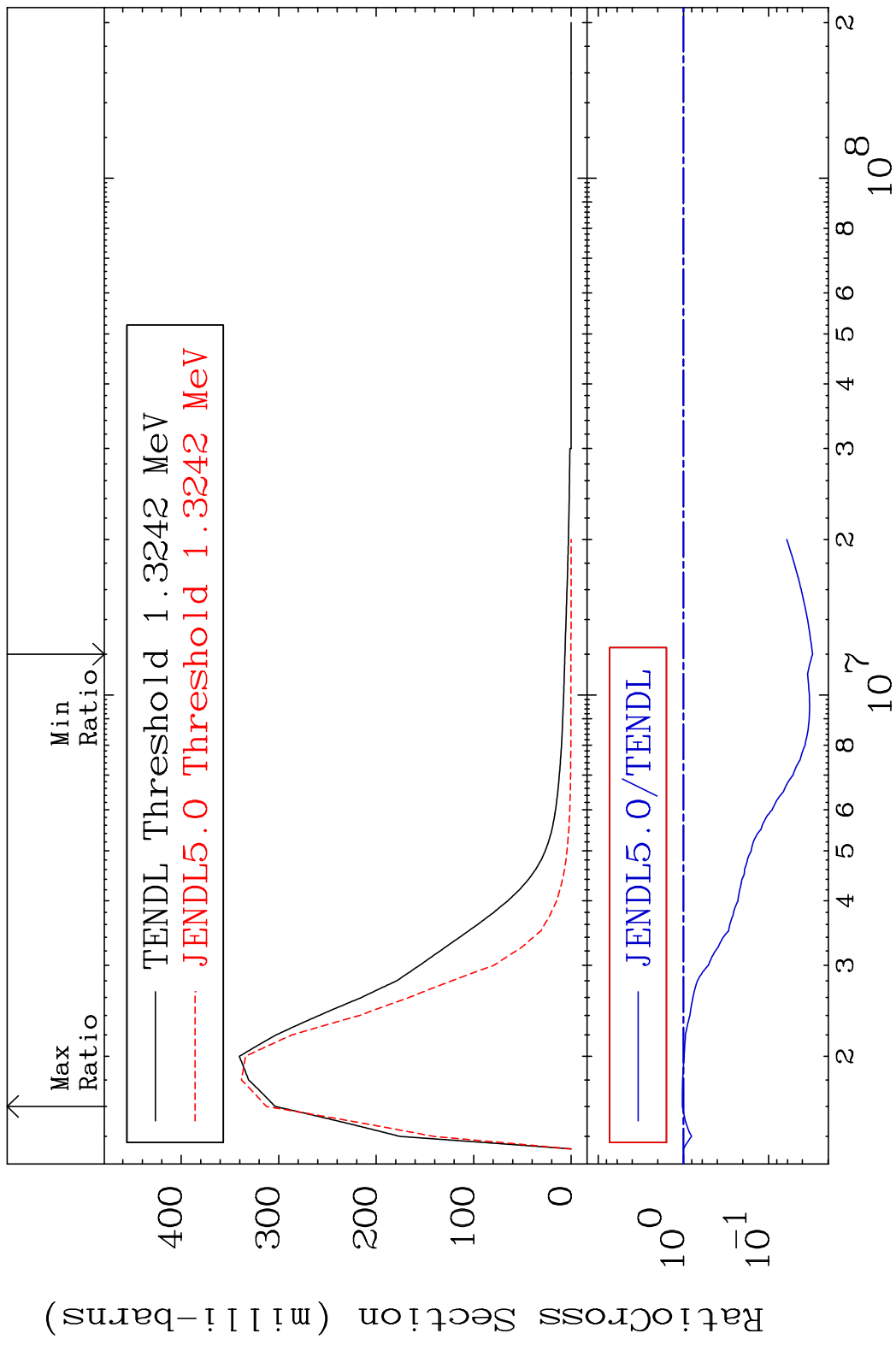
9 Incident Energy (eV) 48-Cd-112

MAT 4843 MT= 52 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 5.007 %

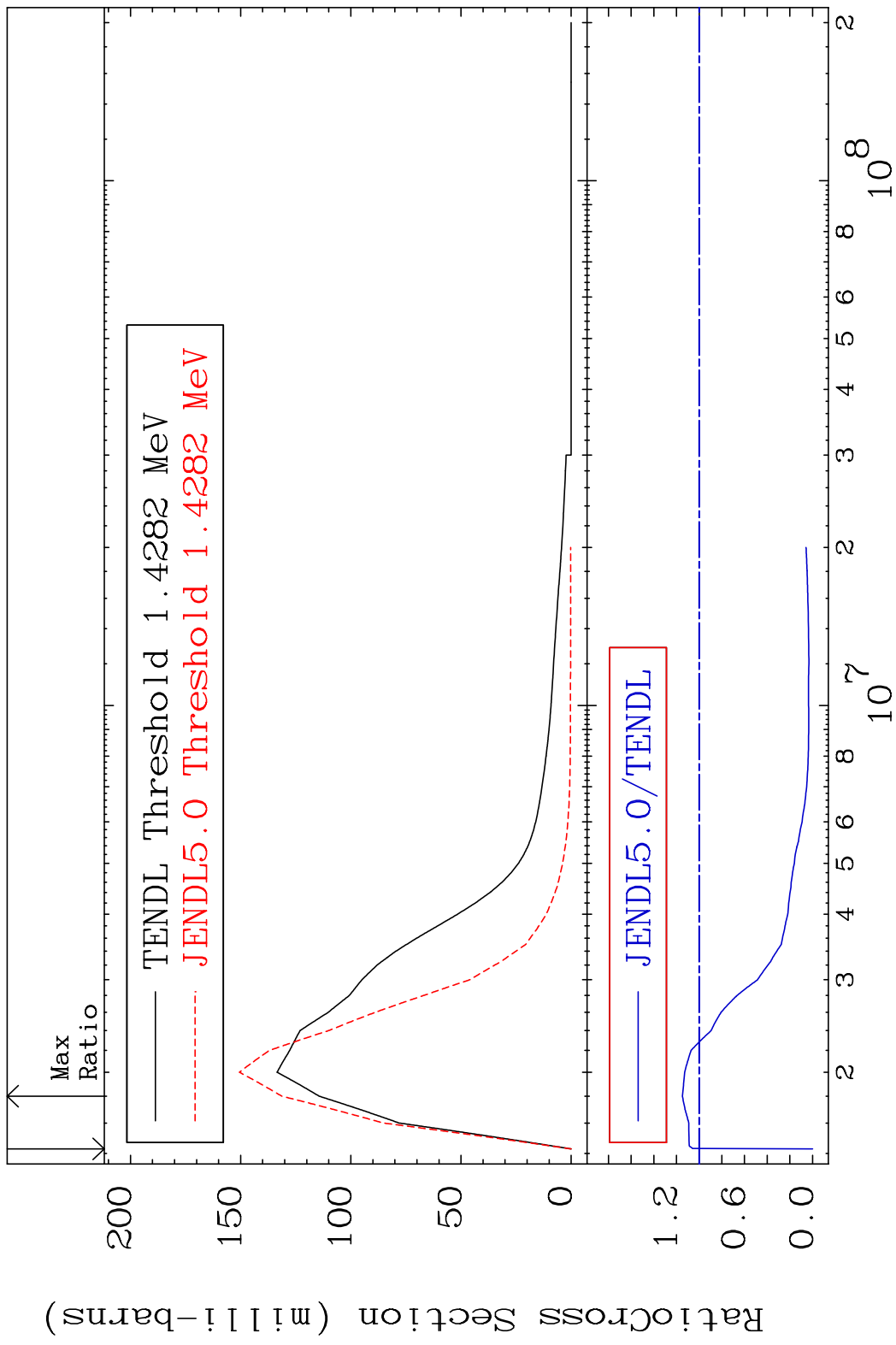


10 Incident Energy (eV) 48-Cd-112

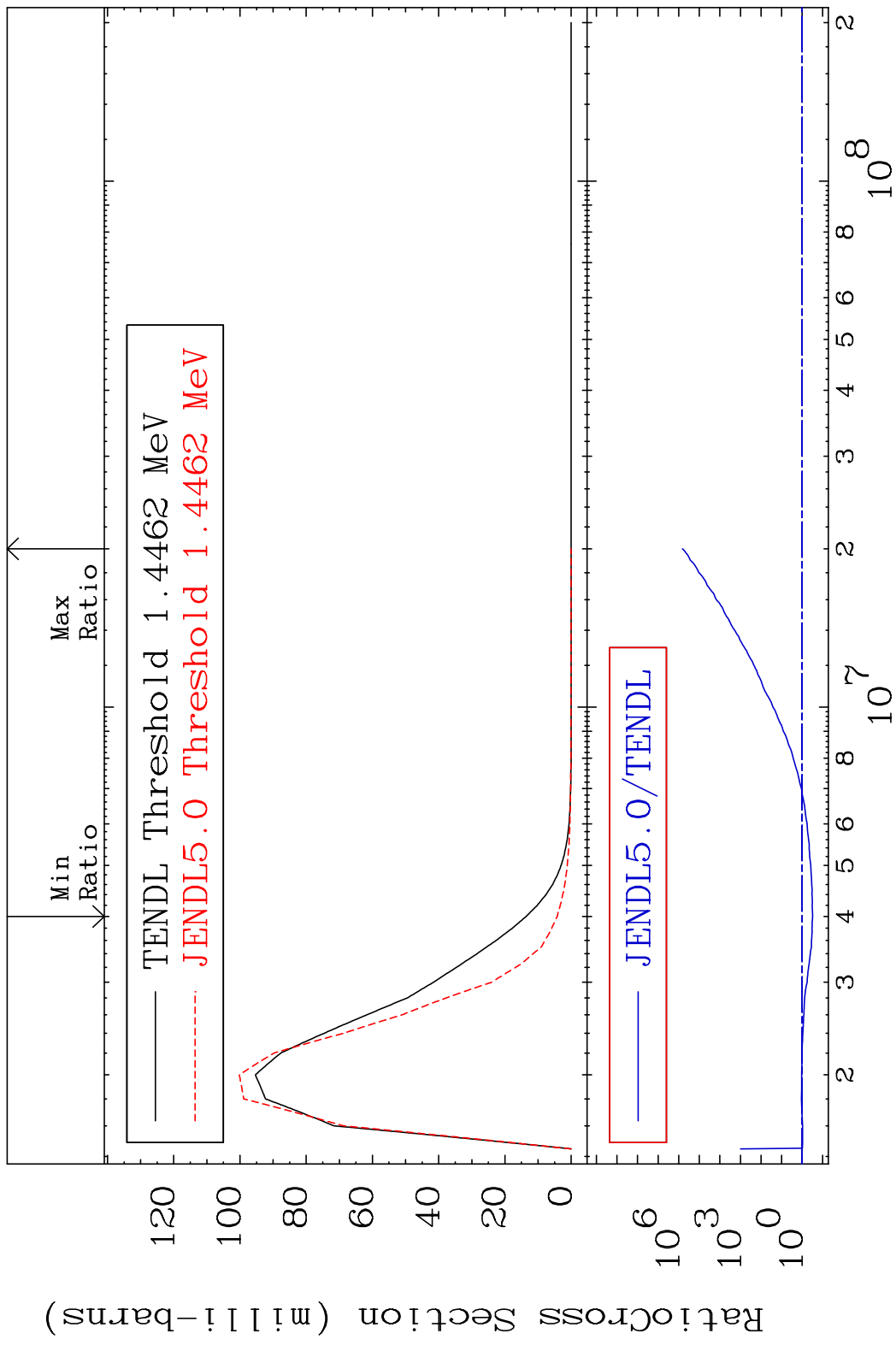
MAT 4843 MT= 53 (n, n') Level 48-Cd-112
 Cross Section -96.96 To 2.920 %



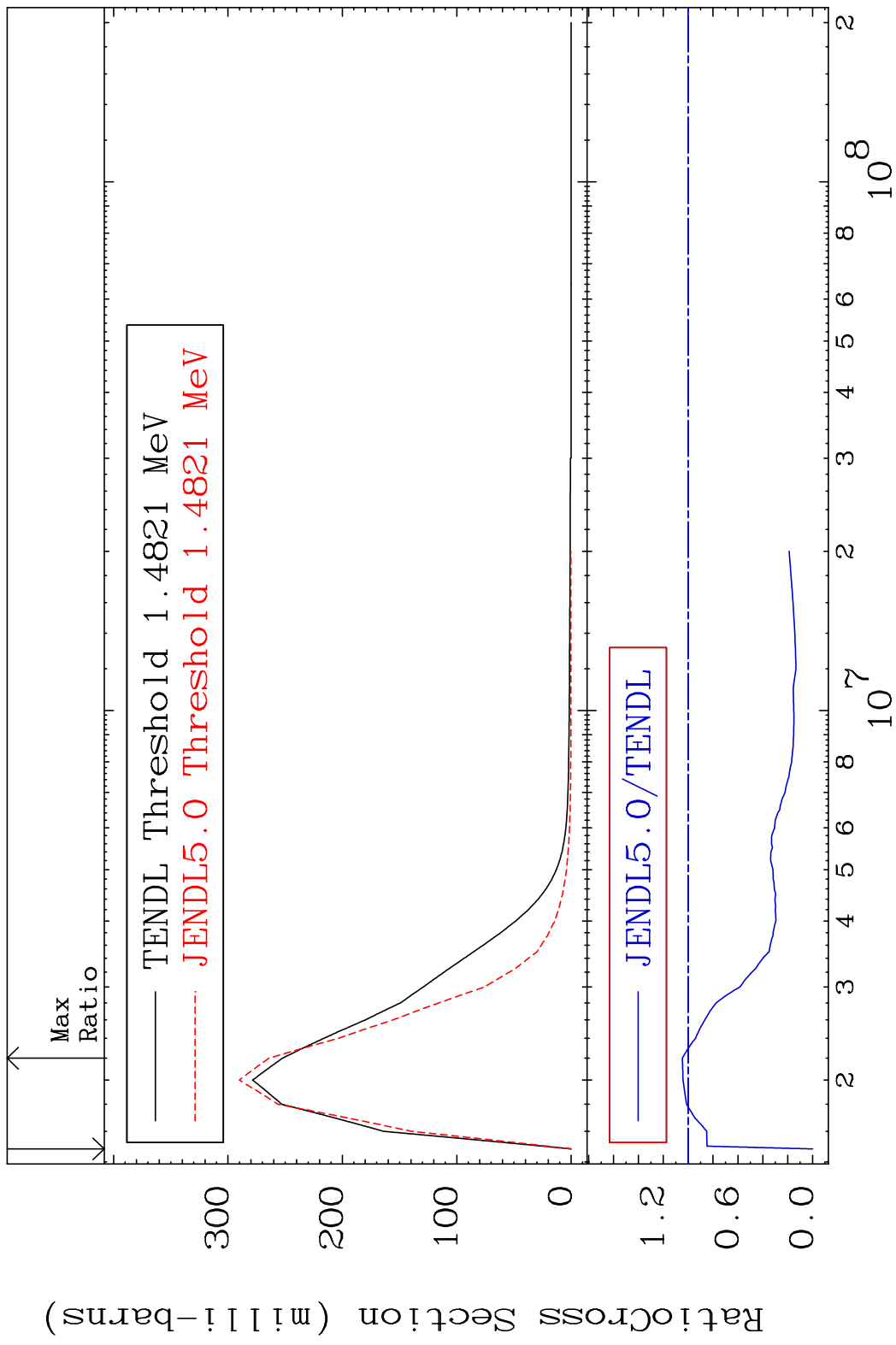
MAT 4843 MT= 54 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 14.82 %



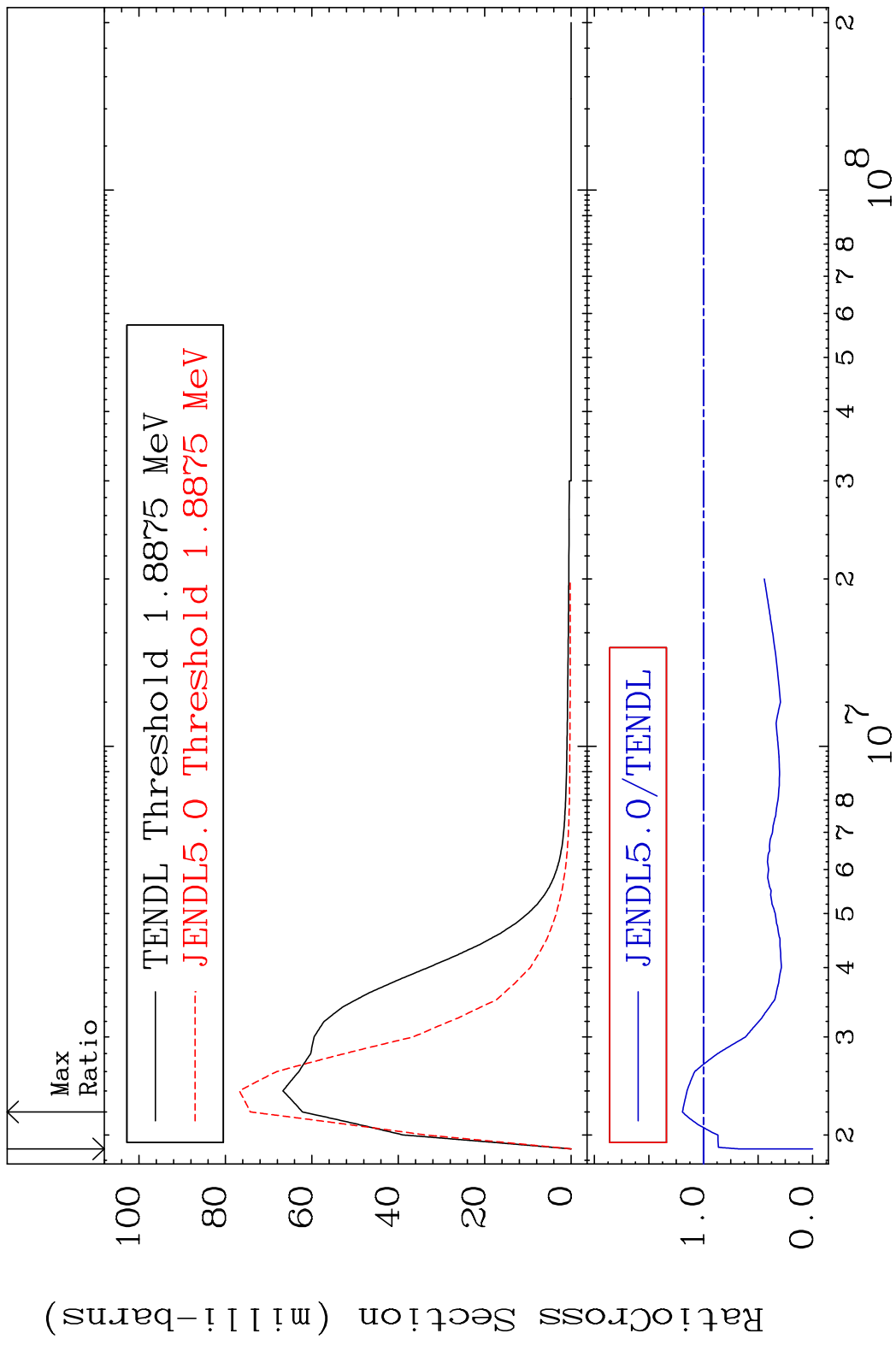
MAT 4843 MT= 55 (n, n') Level 48-Cd-112
 Cross Section -68.77 To 9999. %



MAT 4843 MT= 56 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 4.690 %

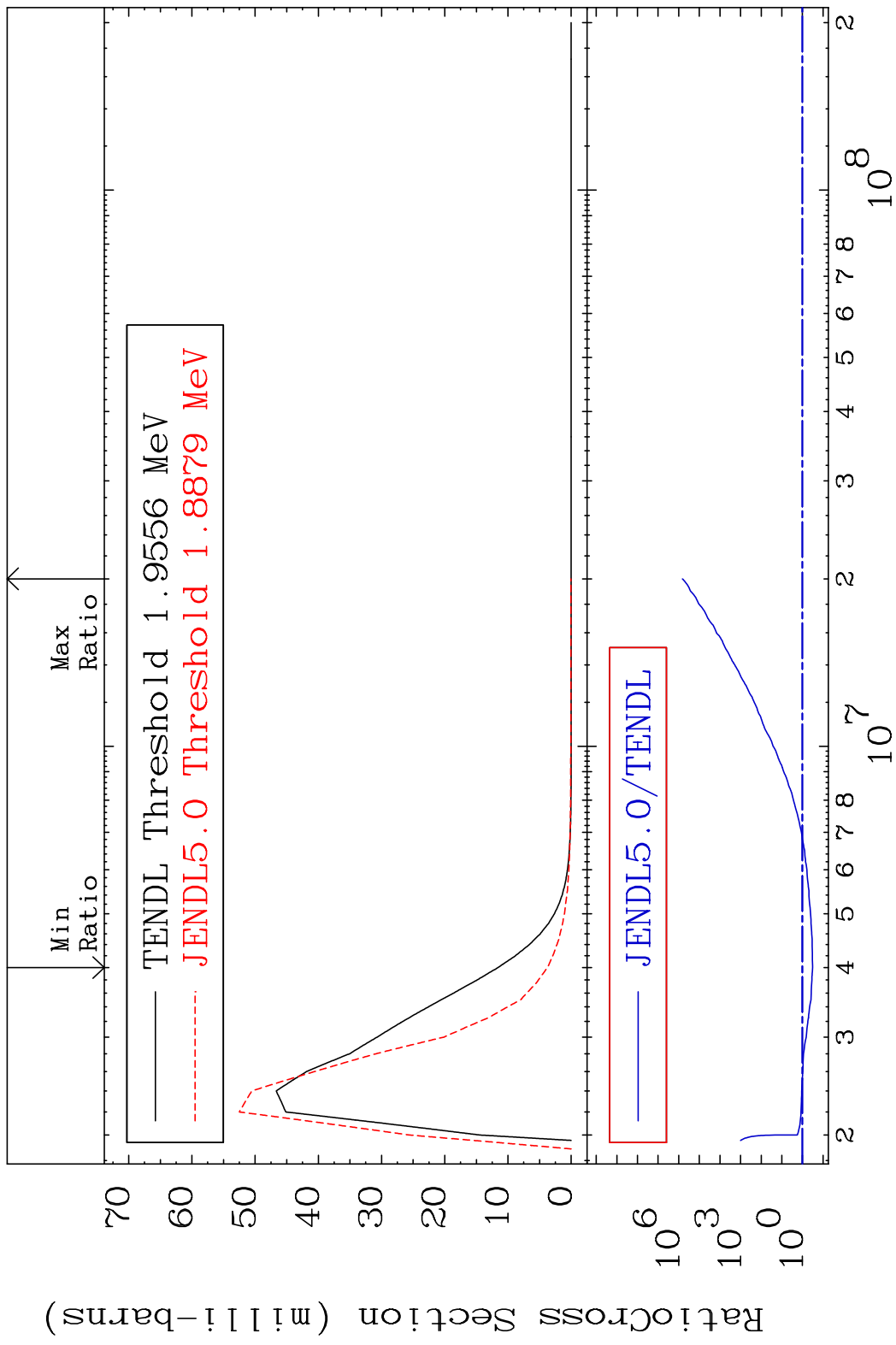


MAT 4843 MT= 57 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 19.38 %

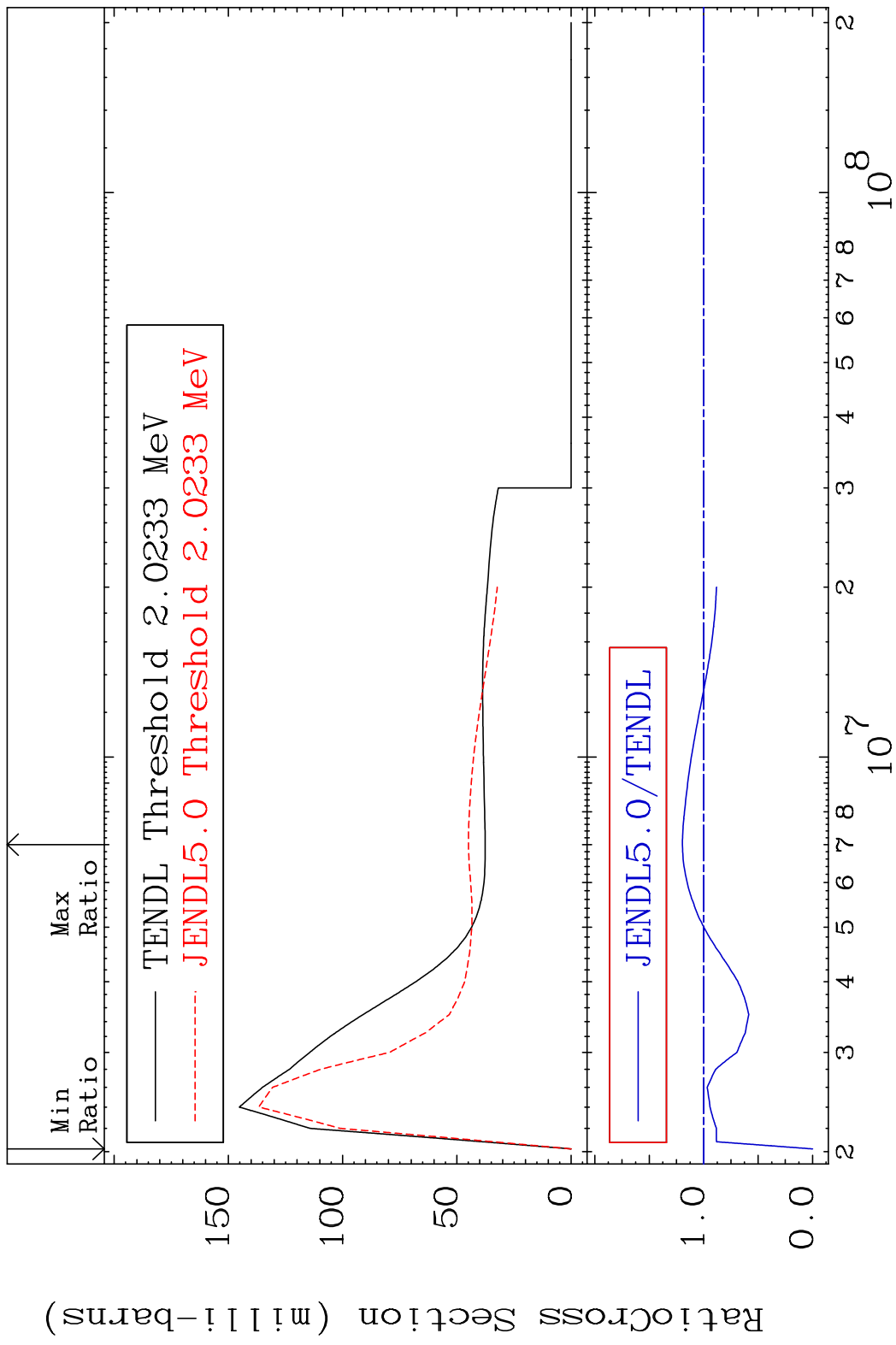


15 48-Cd-112

MAT 4843 MT= 58 (n, n') Level 48-Cd-112
 Cross Section -67.69 To 9999. %

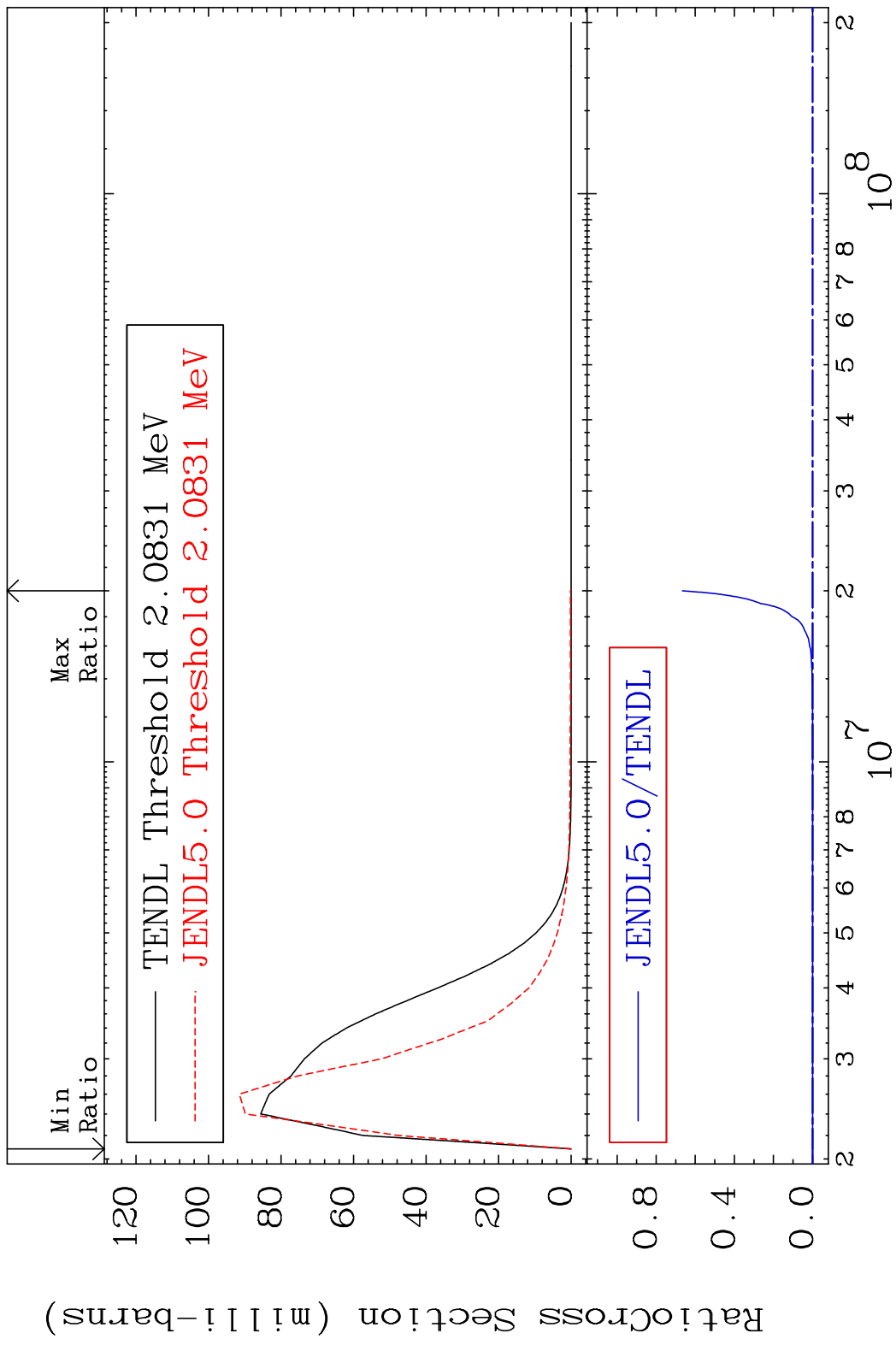


MAT 4843 MT= 59 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 19.57 %

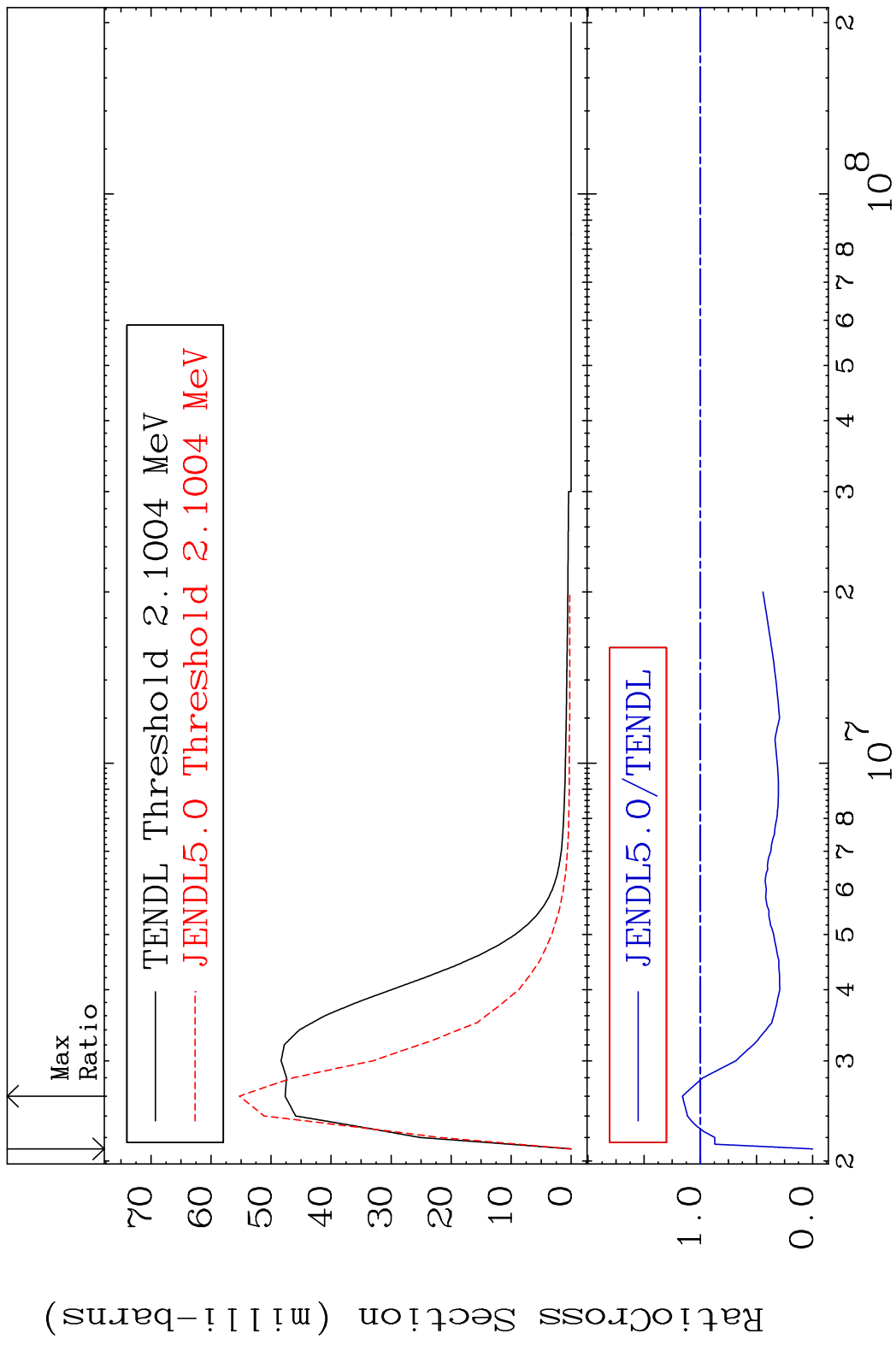


17 48-Cd-112

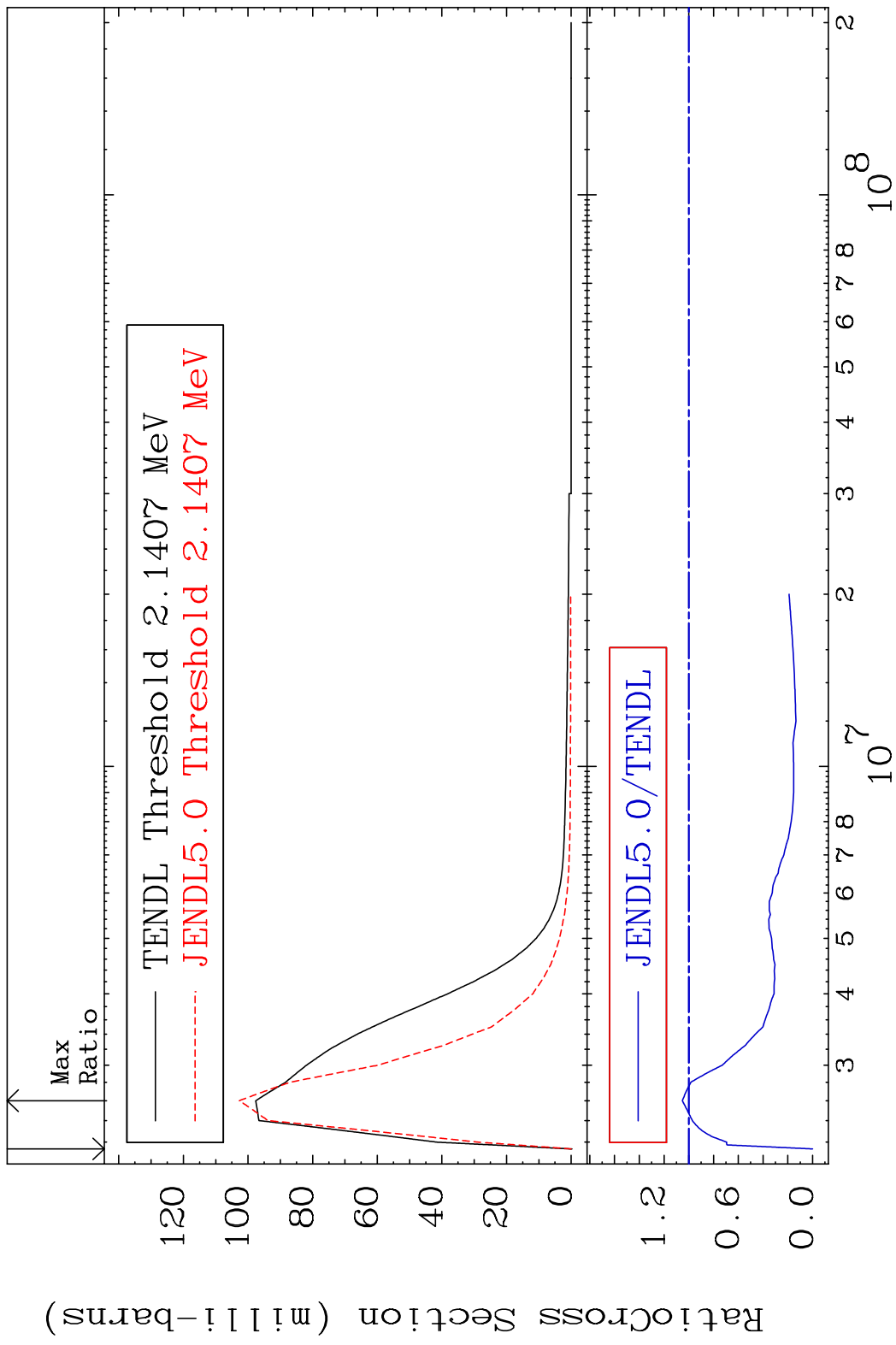
MAT 4843 MT= 60 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 9999. %



MAT 4843 MT= 61 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 15.99 %

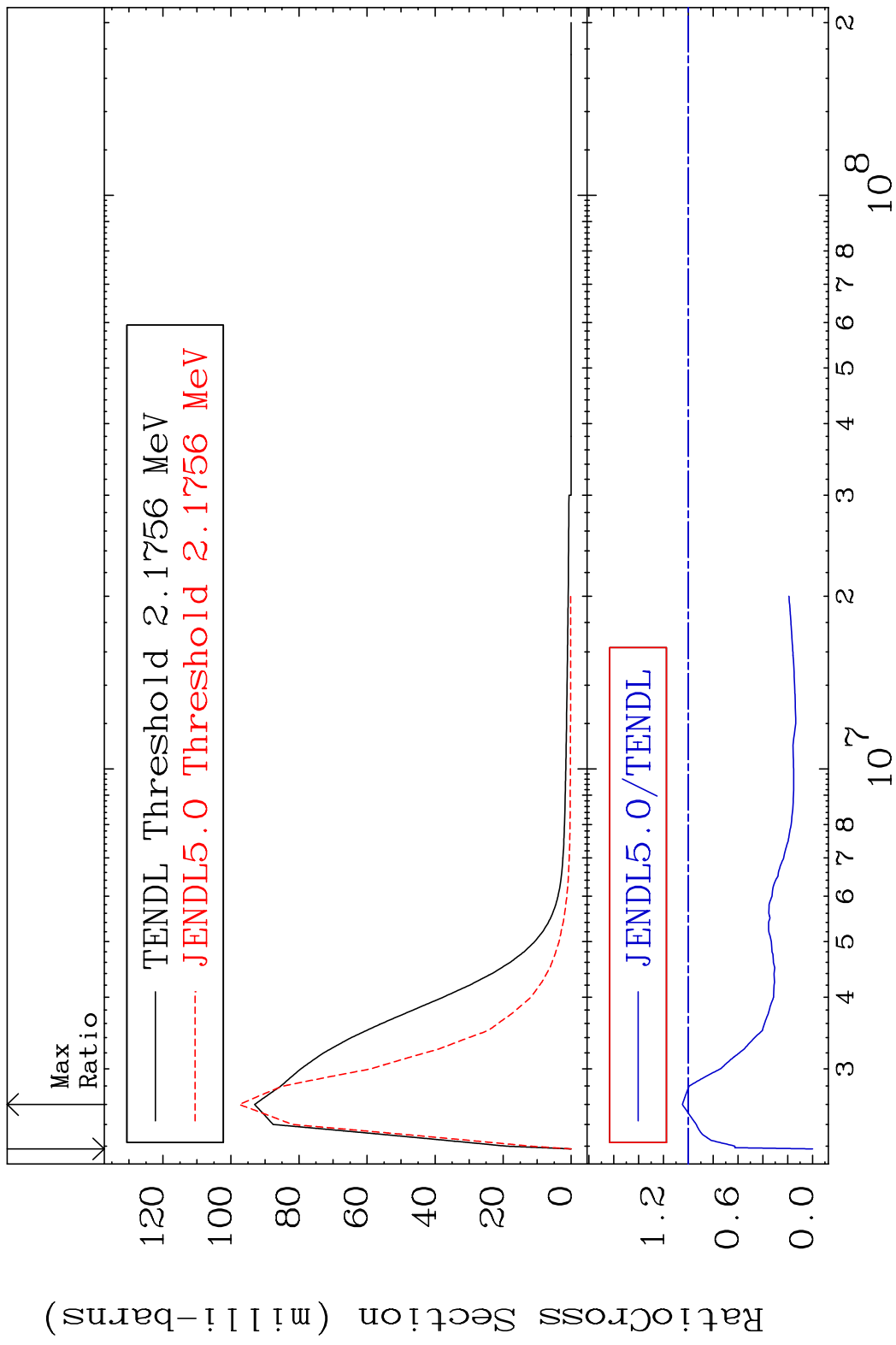


MAT 4843 MT= 62 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 5.207 %

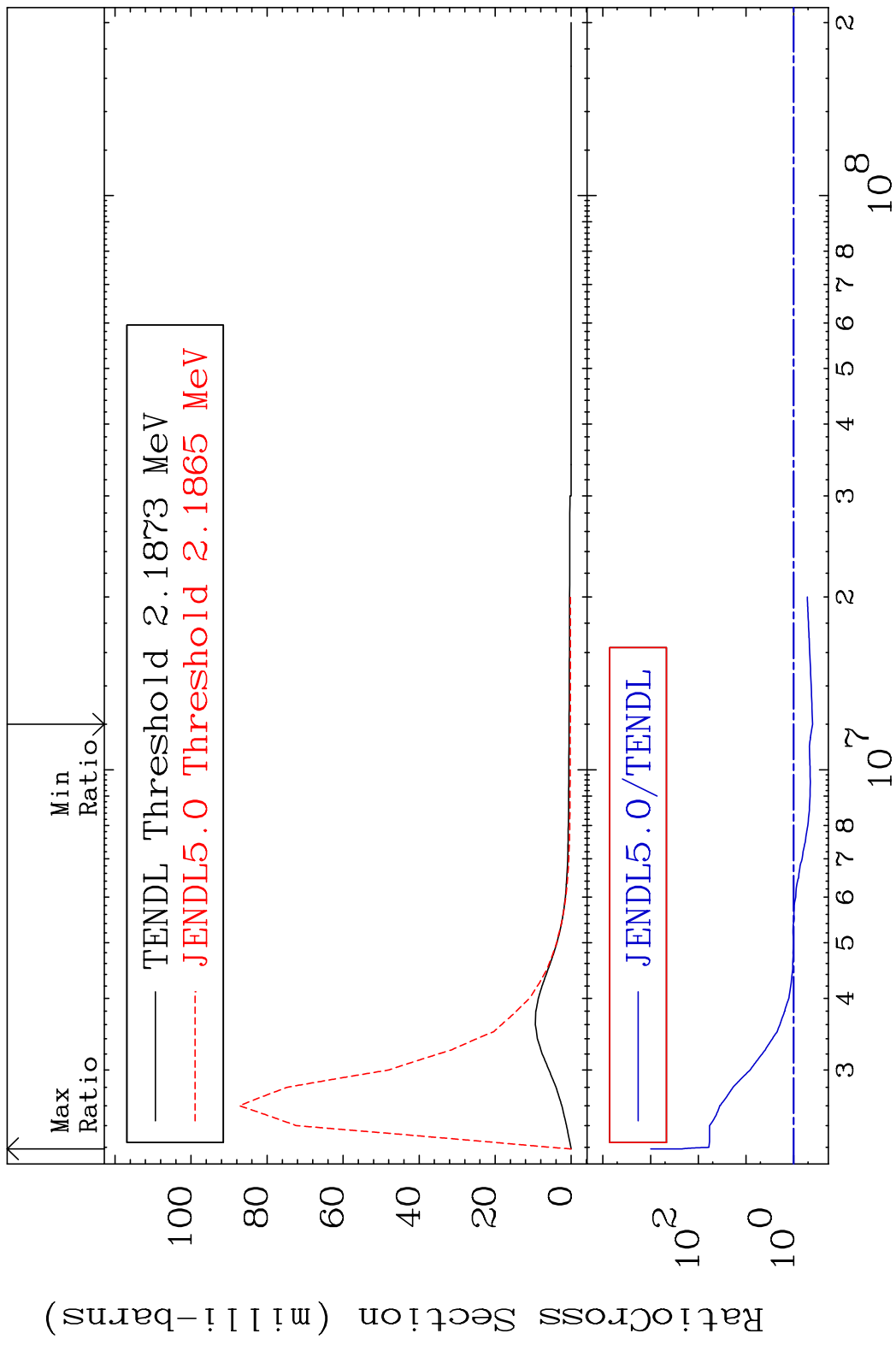


20 48-Cd-112

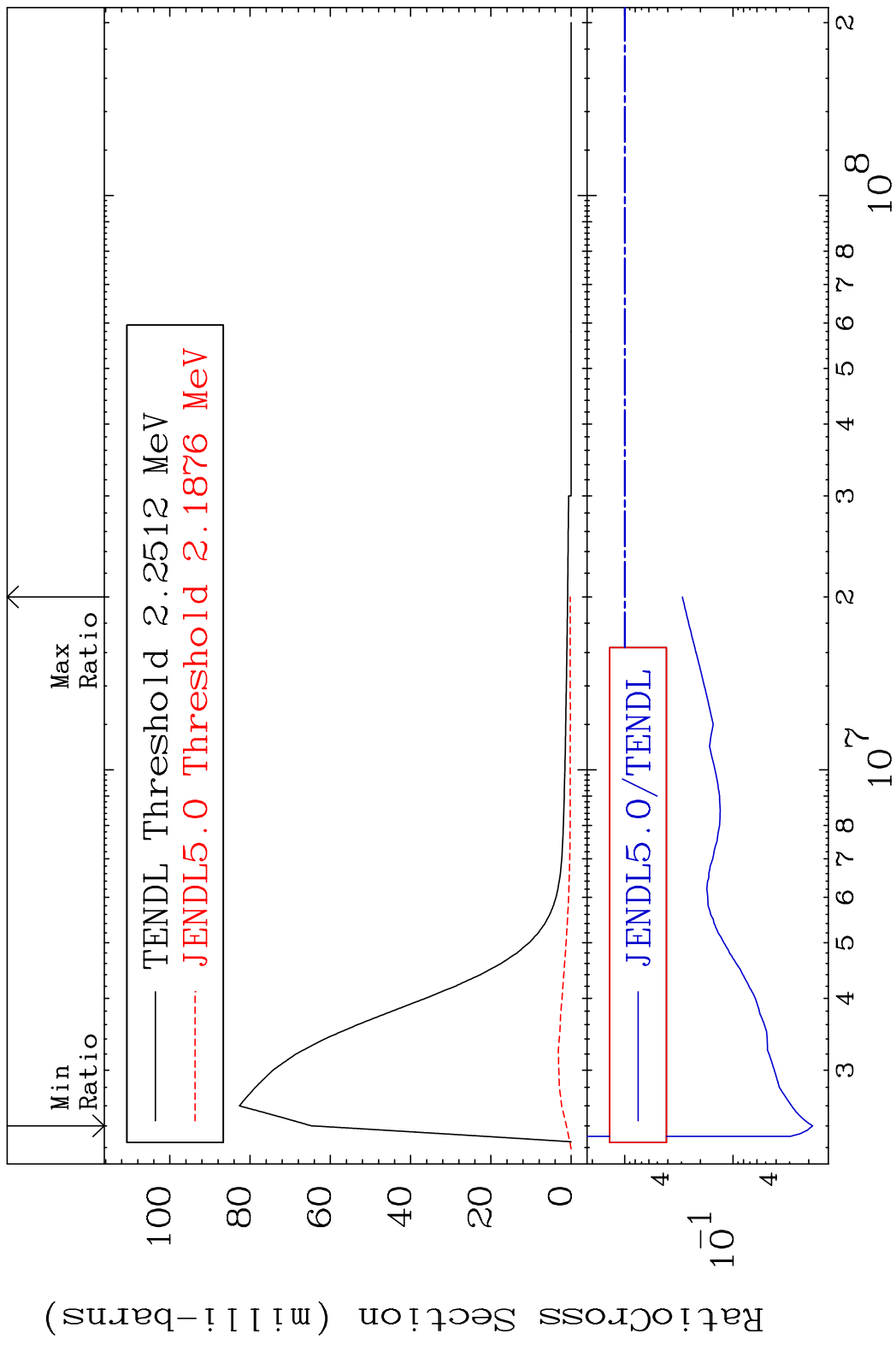
MAT 4843 MT= 63 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 4.827 %



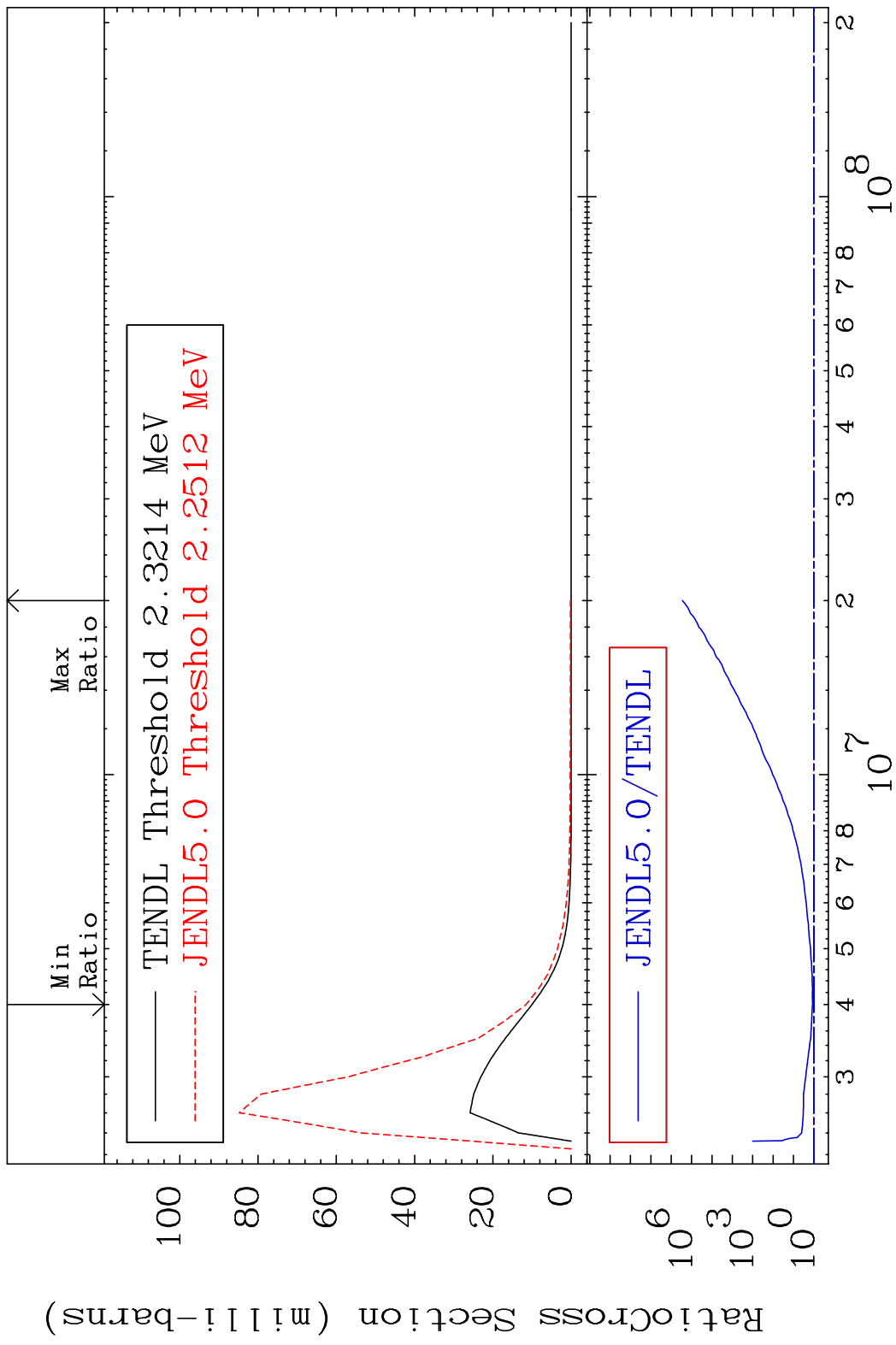
MAT 4843 MT= 64 (n,n') Level 48-Cd-112
 Cross Section -59.67 To 9999. %



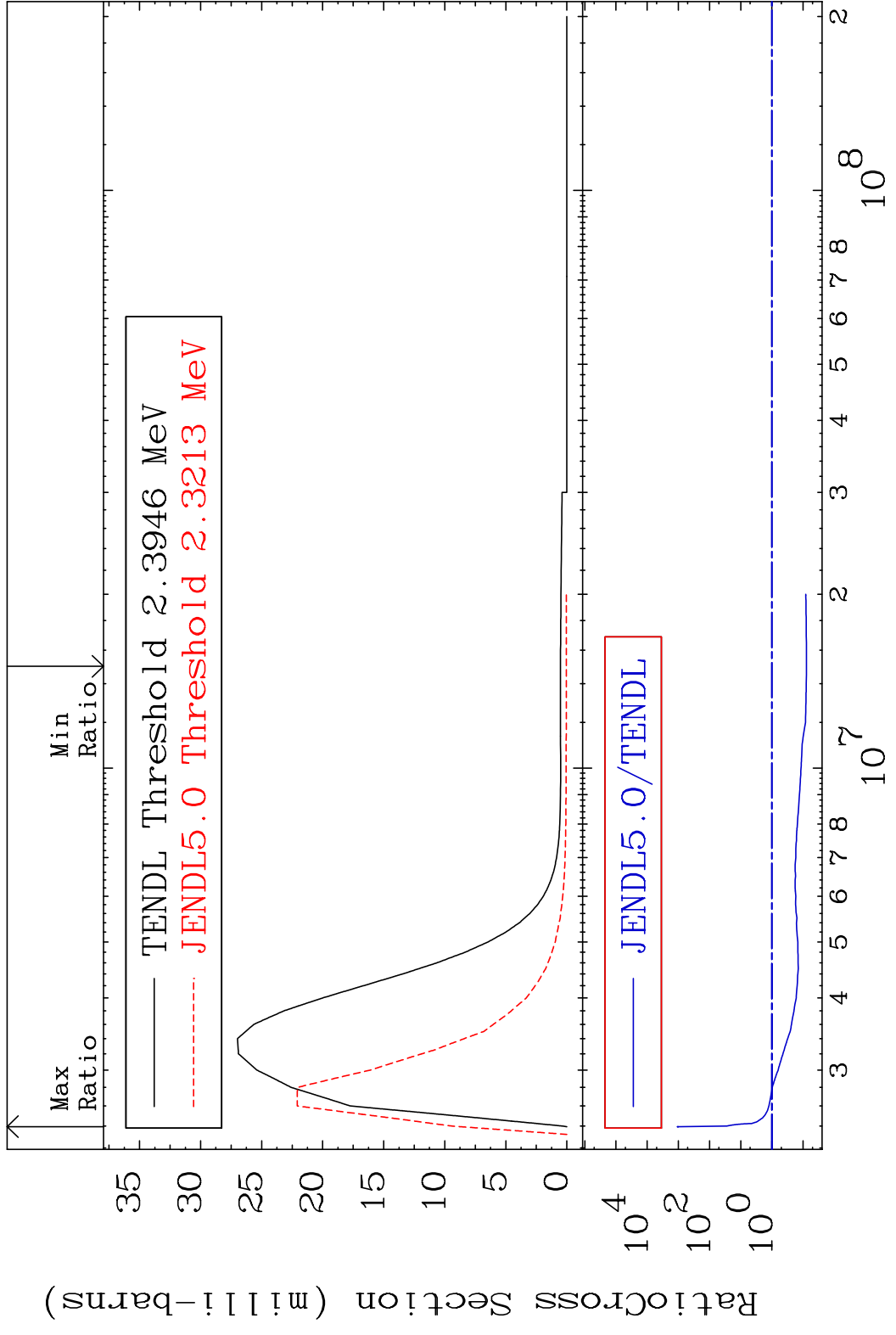
MAT 4843 MT= 65 (n, n') Level 48-Cd-112
 Cross Section -98.16 To -70.61%



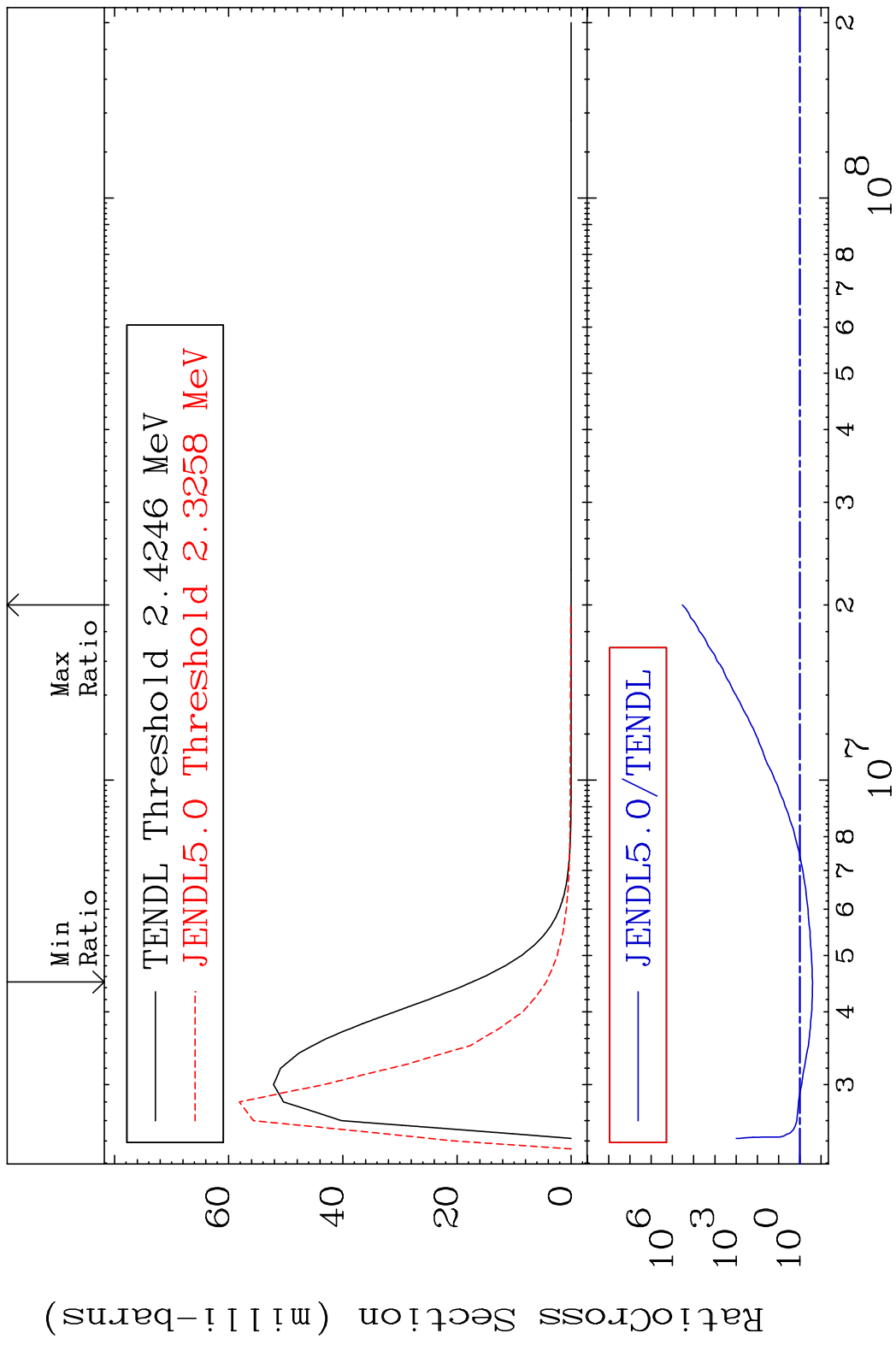
MAT 4843 MT= 66 (n, n') Level 48-Cd-112
 Cross Section 15.26 To 9999. %



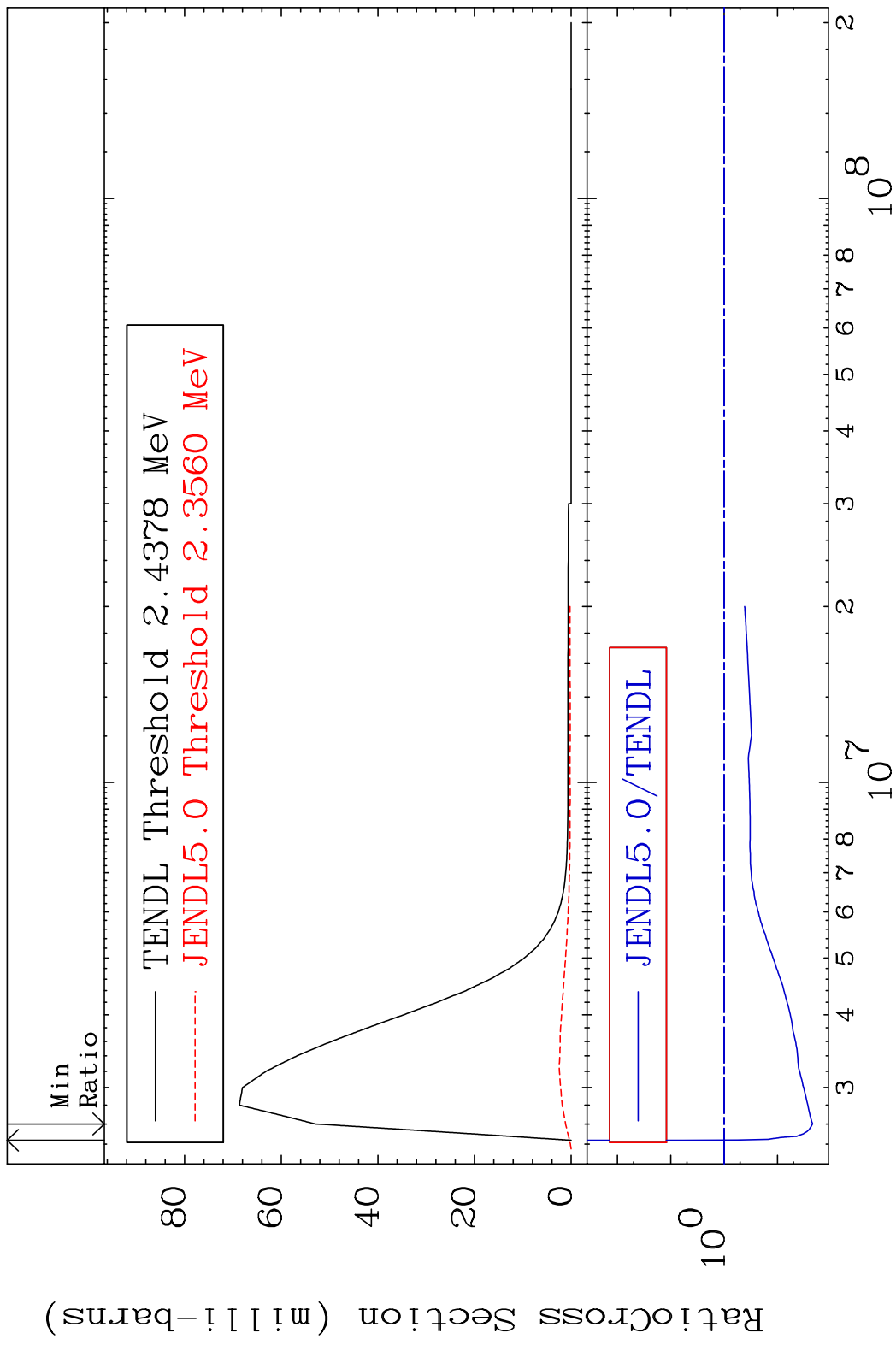
MAT 4843 MT= 67 (n,n') Level 48-Cd-112
 Cross Section -92.15 To 9999. %



MAT 4843 MT= 68 (n, n') Level 48-Cd-112
 Cross Section -74.84 To 9999. %

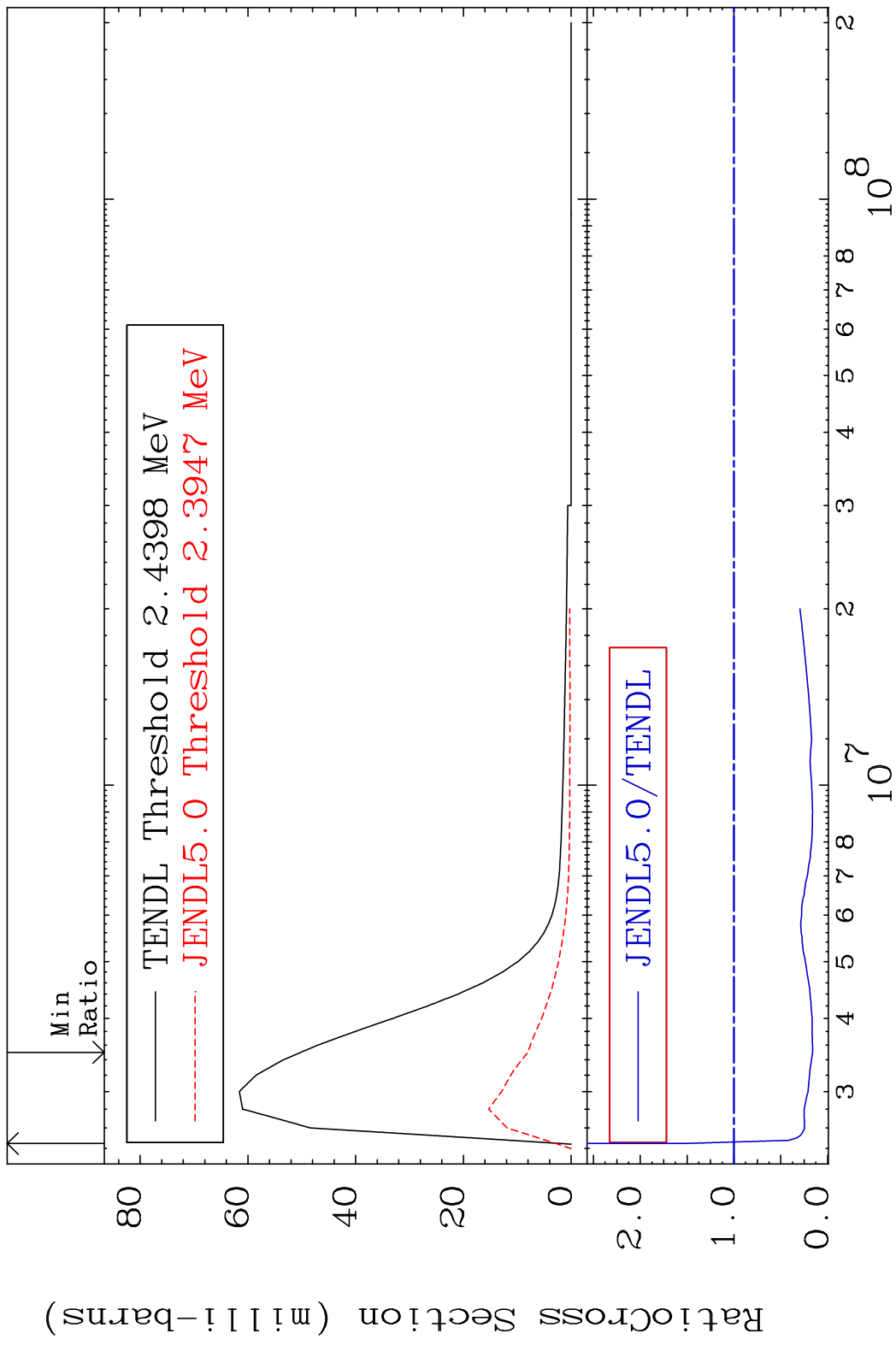


MAT 4843 MT= 69 (n,n') Level 48-Cd-112
 Cross Section -97.80 To 507.6 %

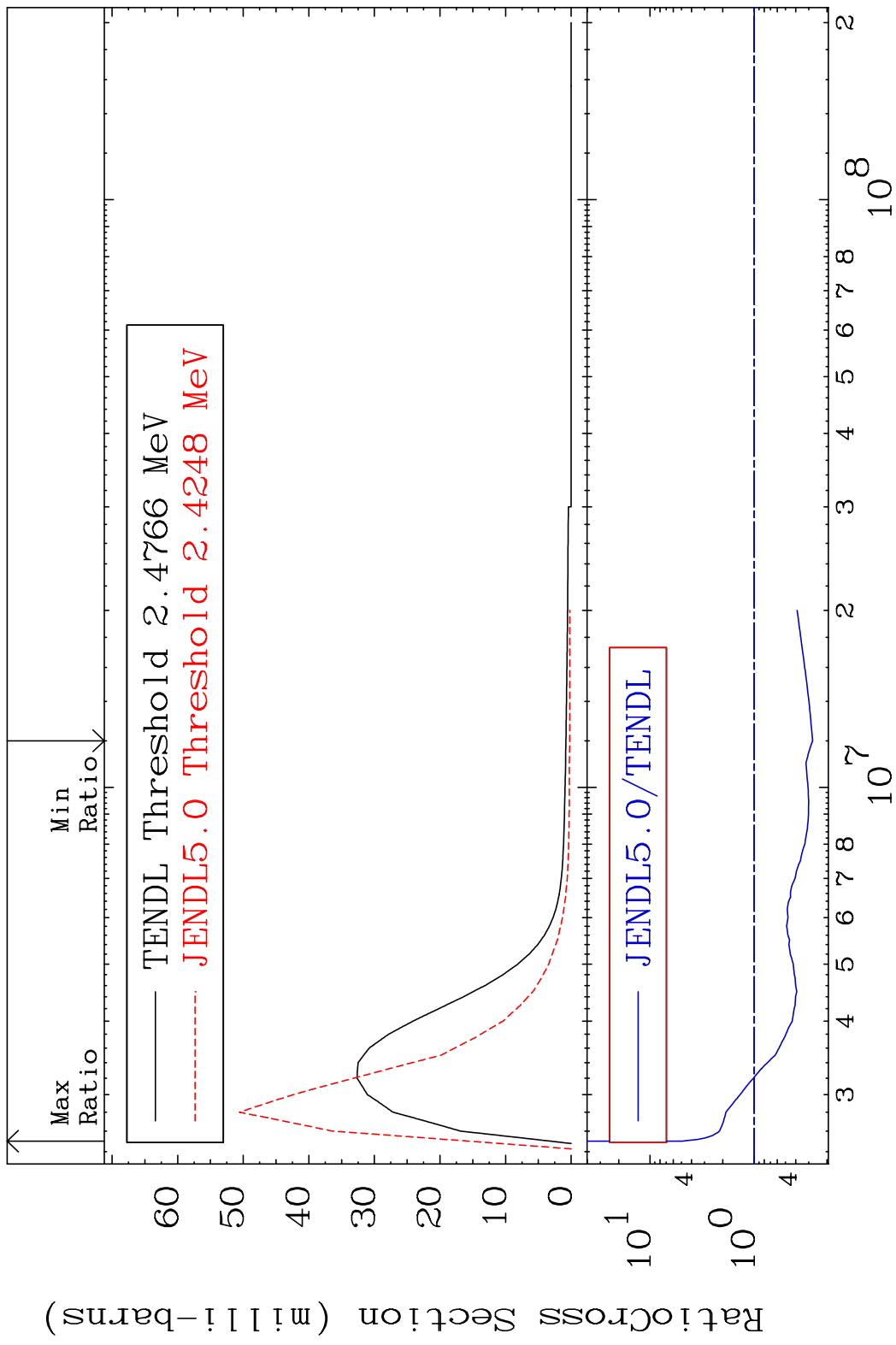


27 Incident Energy (eV) 48-Cd-112

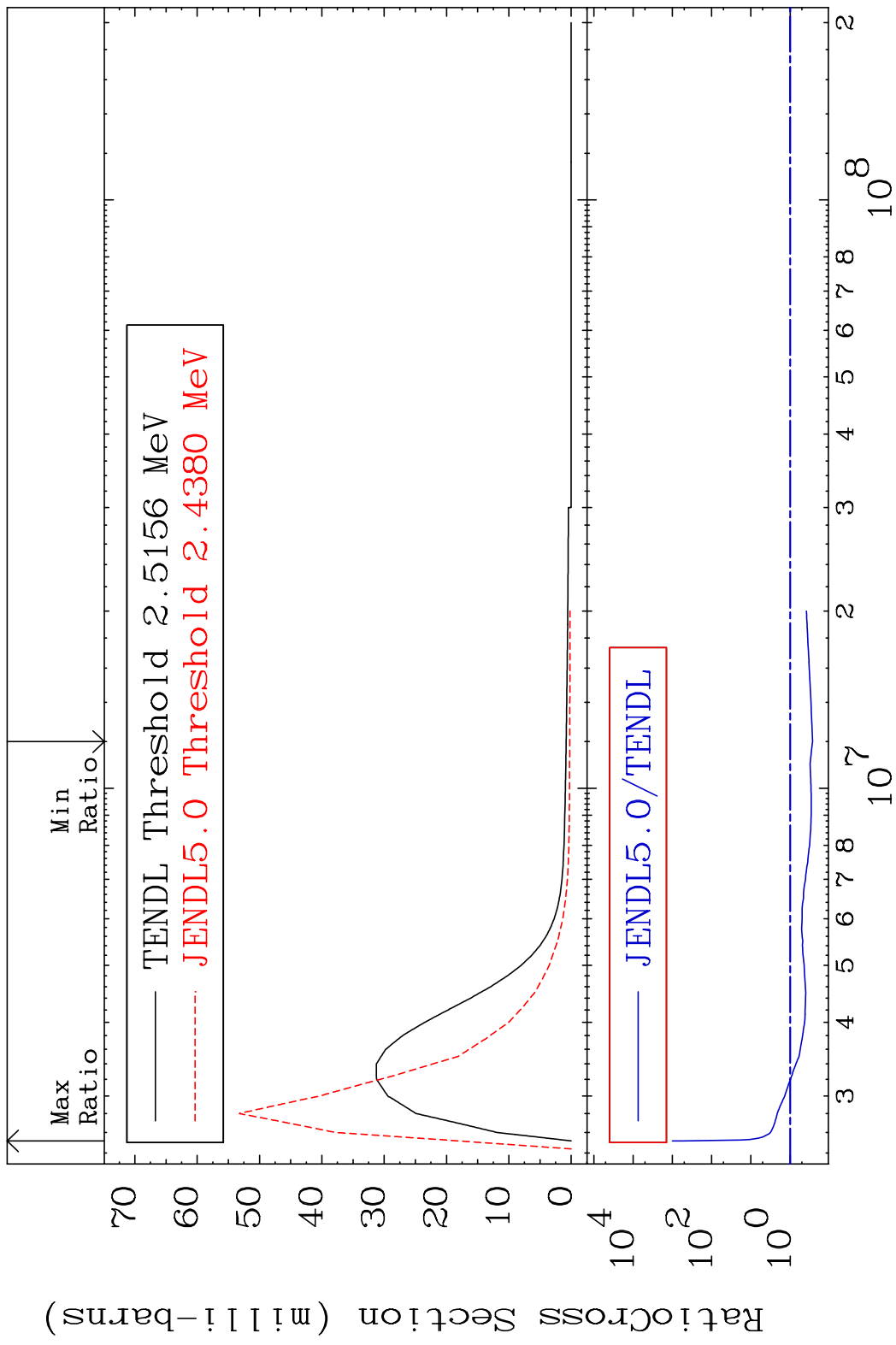
MAT 4843 MT= 70 (n,n') Level 48-Cd-112
 Cross Section -83.97 To 55.08 %



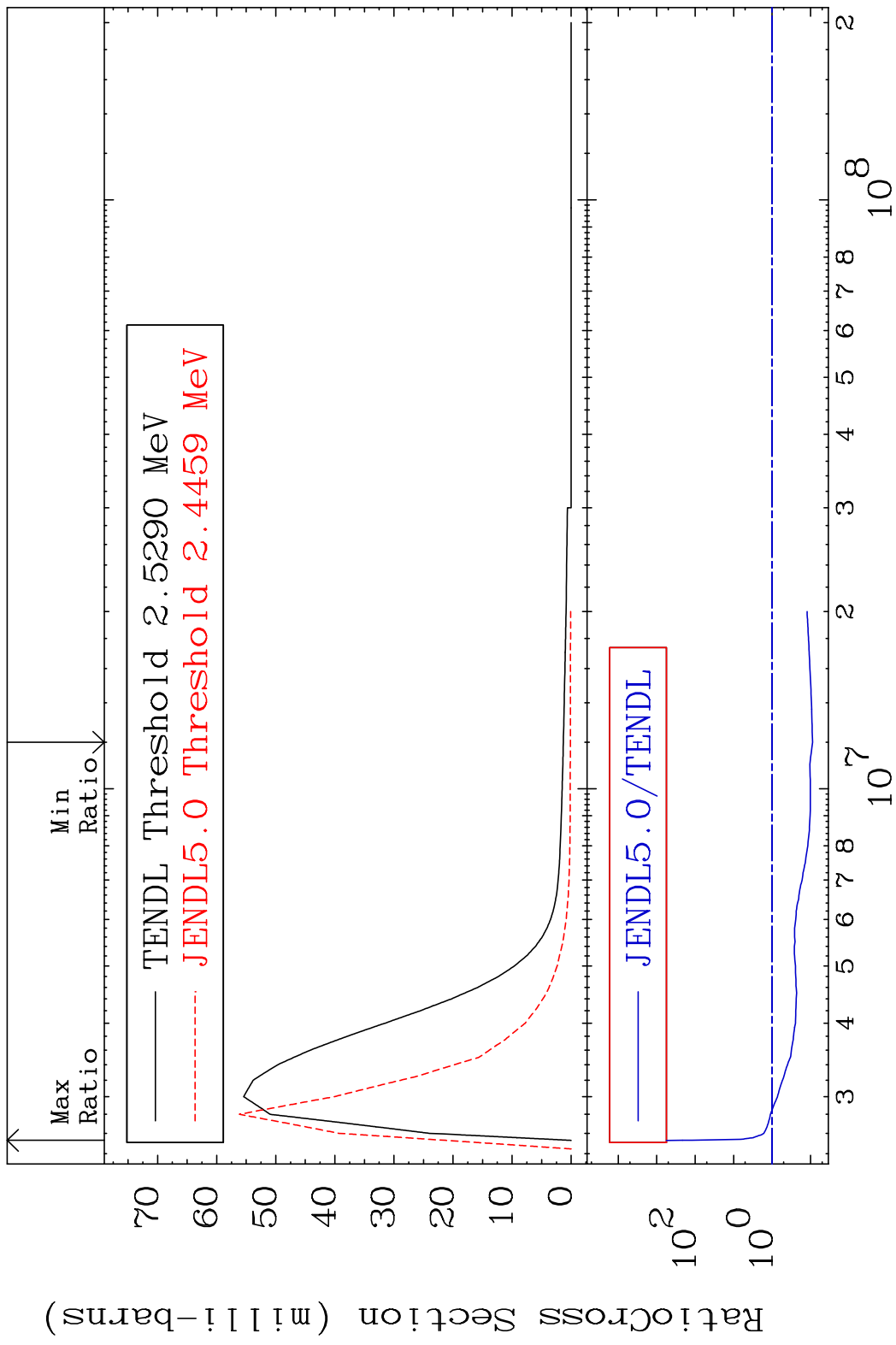
MAT 4843 MT= 71 (n,n') Level 48-Cd-112
 Cross Section -72.50 To 389.6 %



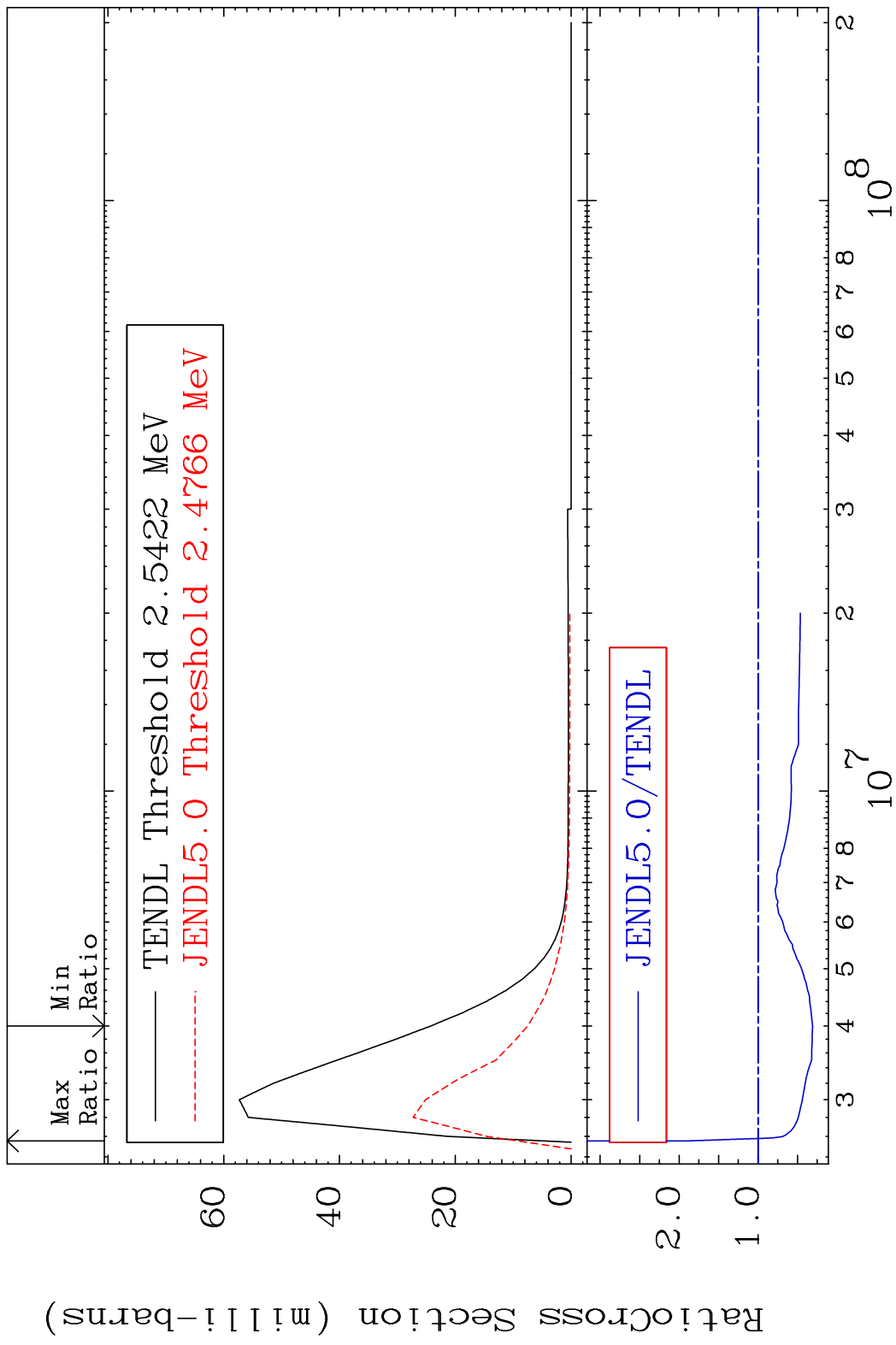
MAT 4843 MT= 72 (n,n') Level 48-Cd-112
 Cross Section -73.12 To 9999. %



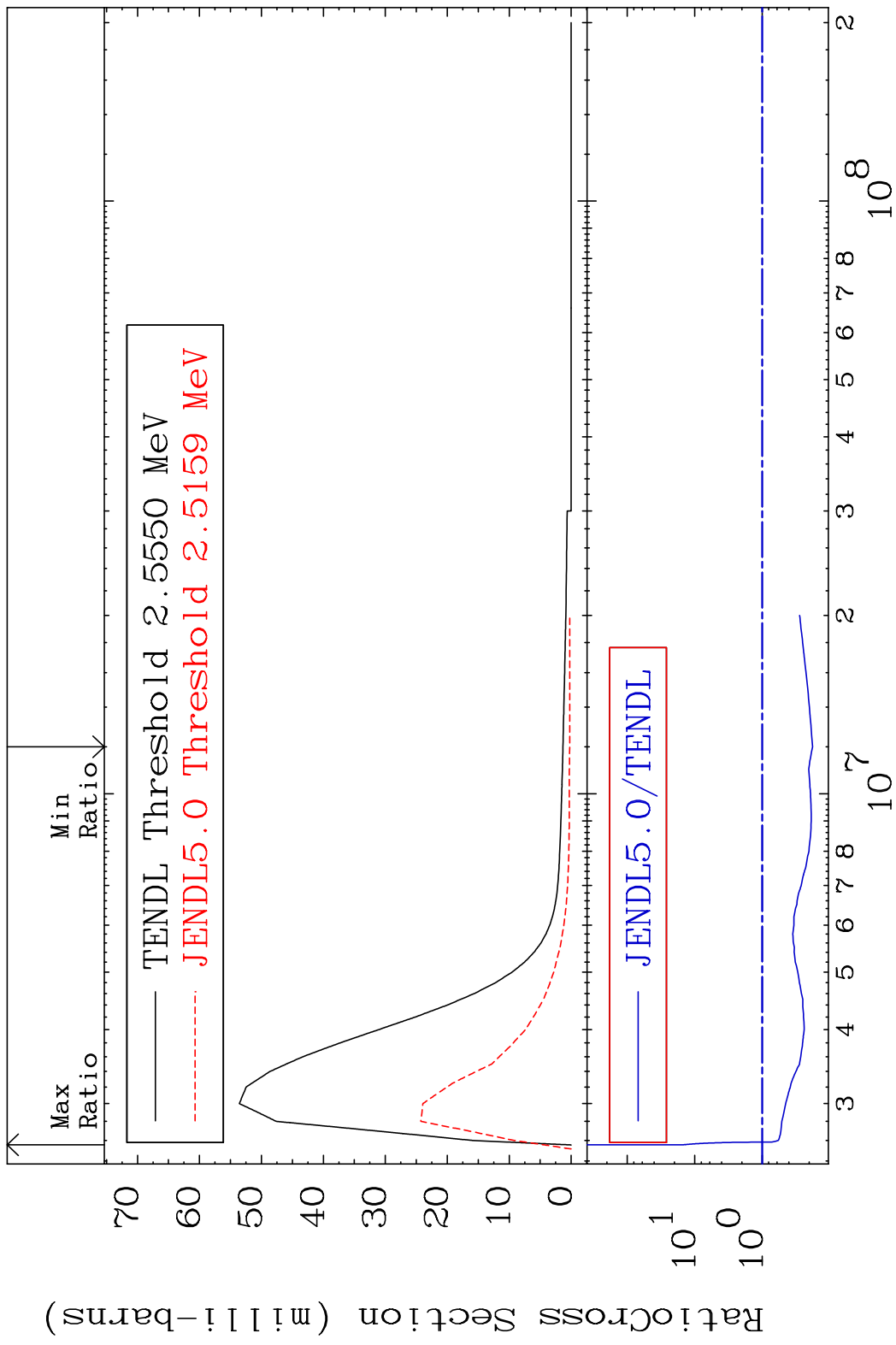
MAT 4843 MT= 73 (n,n') Level 48-Cd-112
 Cross Section -91.13 To 9999. %



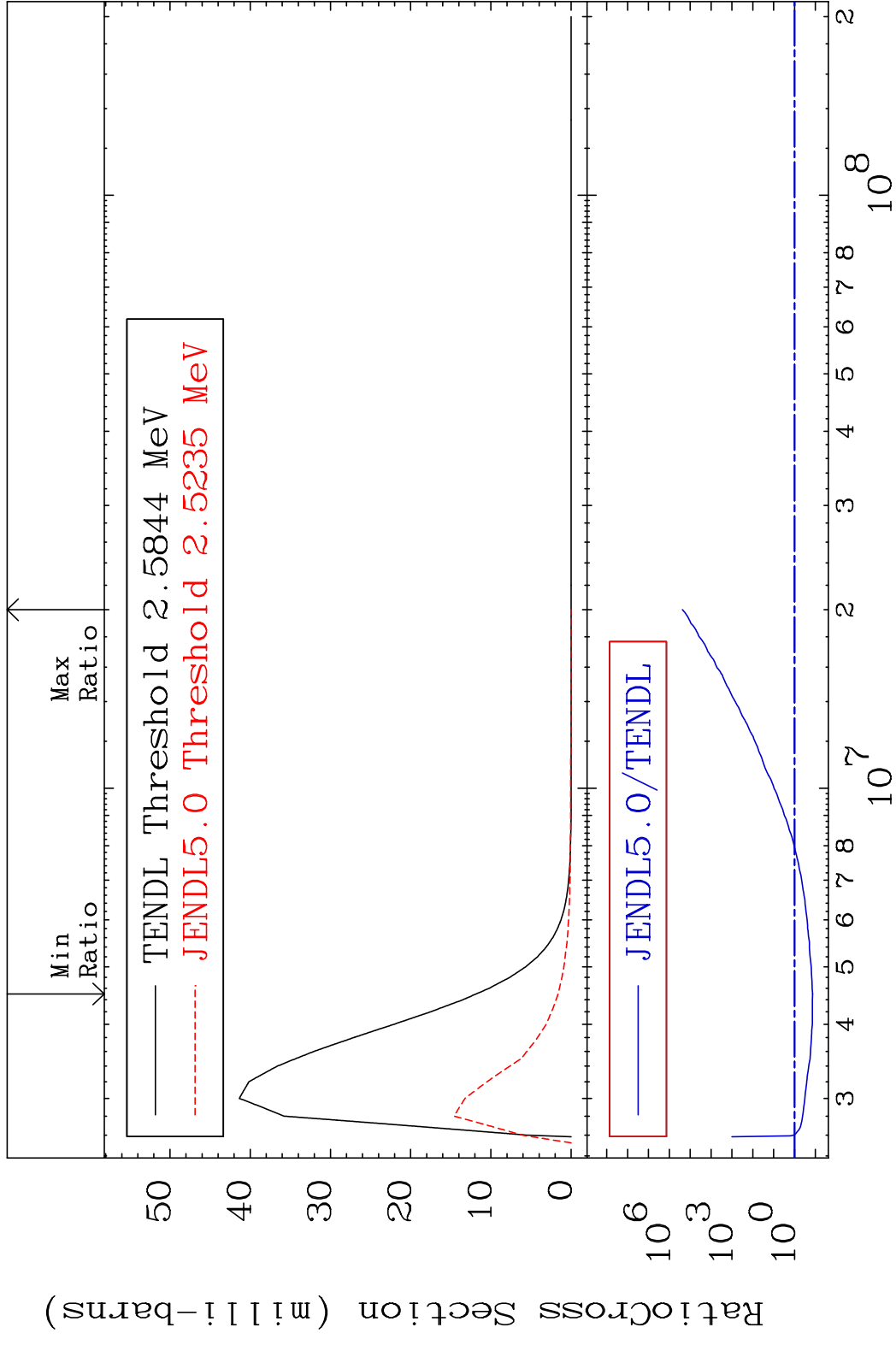
MAT 4843 MT= 74 (n,n') Level 48-Cd-112
 Cross Section -69.06 To 95.88 %



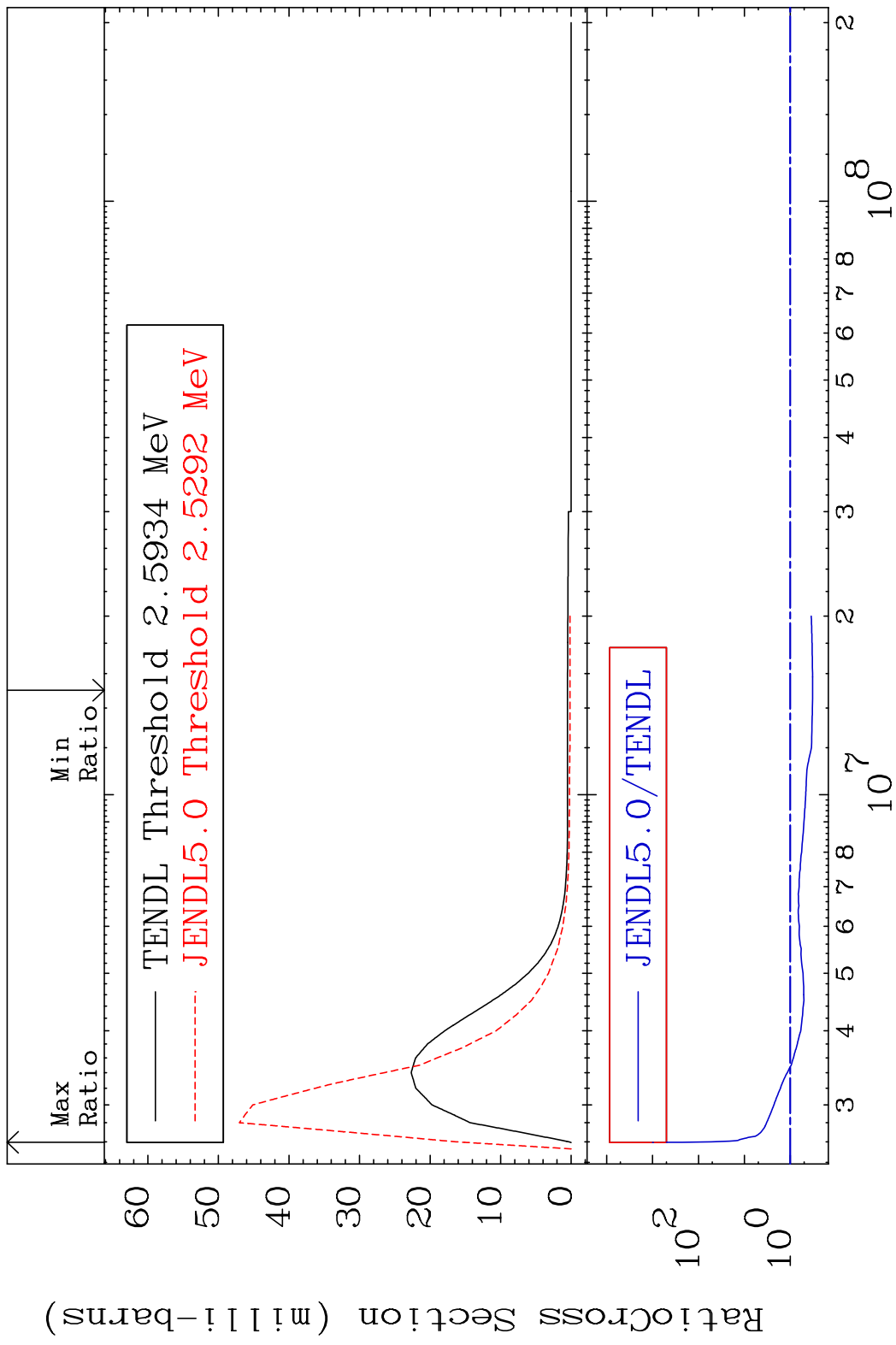
MAT 4843 MT= 75 (n,n') Level 48-Cd-112
 Cross Section -82.14 To 1425. %



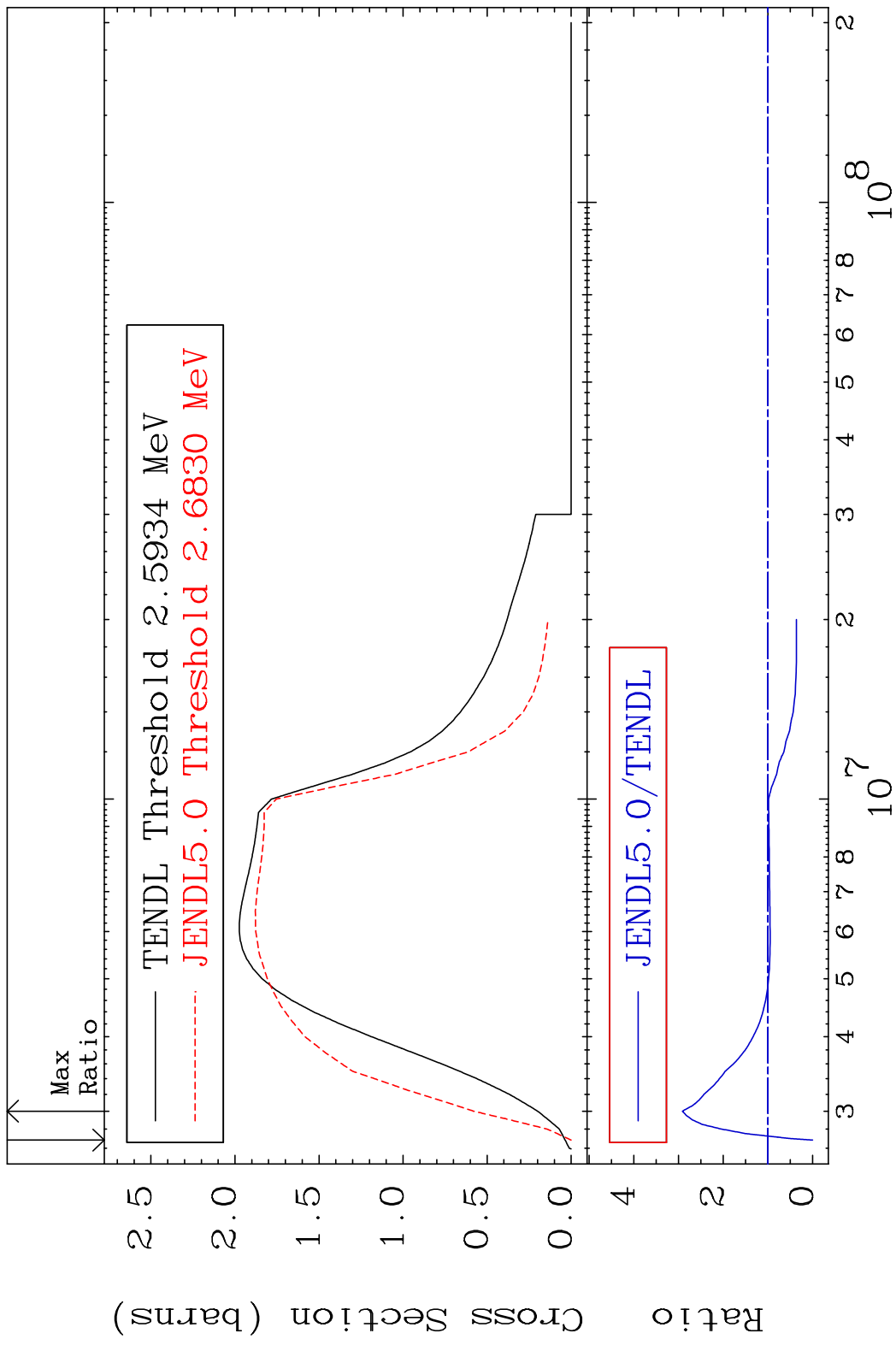
MAT 4843 MT= 76 (n,n') Level 48-Cd-112
 Cross Section -86.30 To 9999. %



MAT 4843 MT= 77 (n,n') Level 48-Cd-112
 Cross Section -67.13 To 9999. %



MAT 4843 (n,n') Continuum 48-Cd-112
 Cross Section -100.0 To 191.5 %

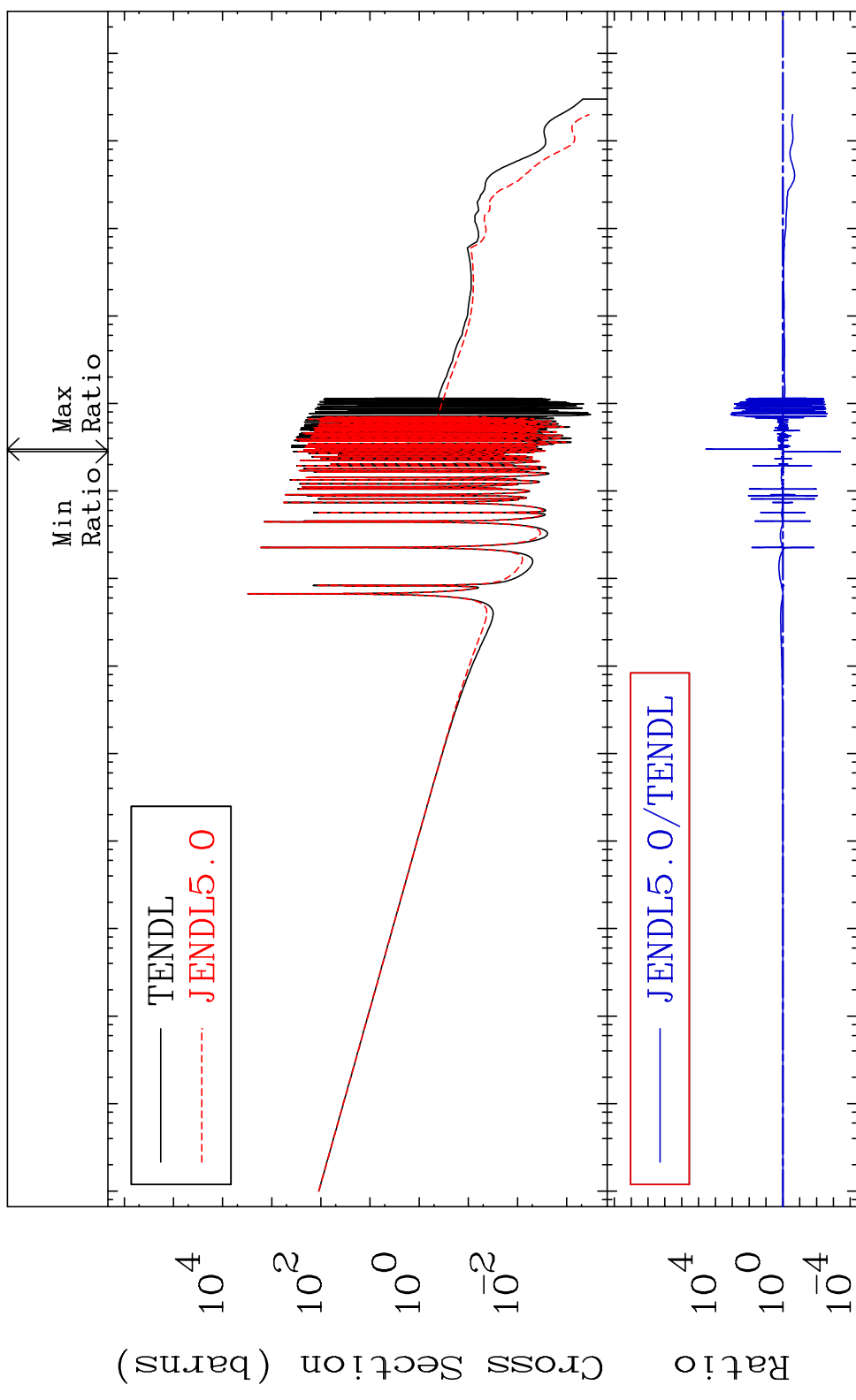


MAT 4843

(n, γ)

48-Cd-112

Cross Section -99.96 To 9999. %

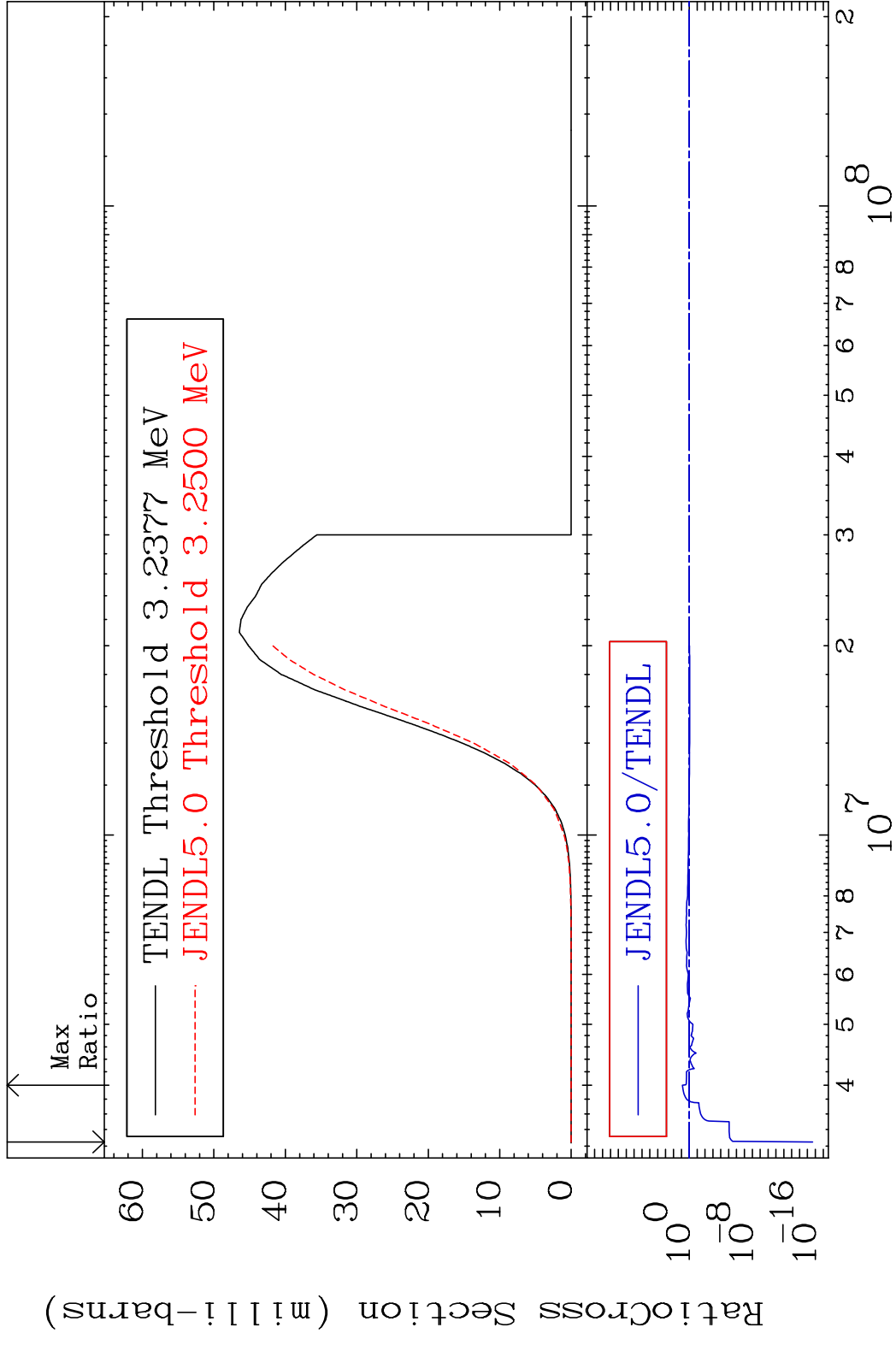


37

Incident Energy (eV)

48-Cd-112

MAT 4843 (n,p) 48-Cd-112
 Cross Section -100.0 To 650.6 %

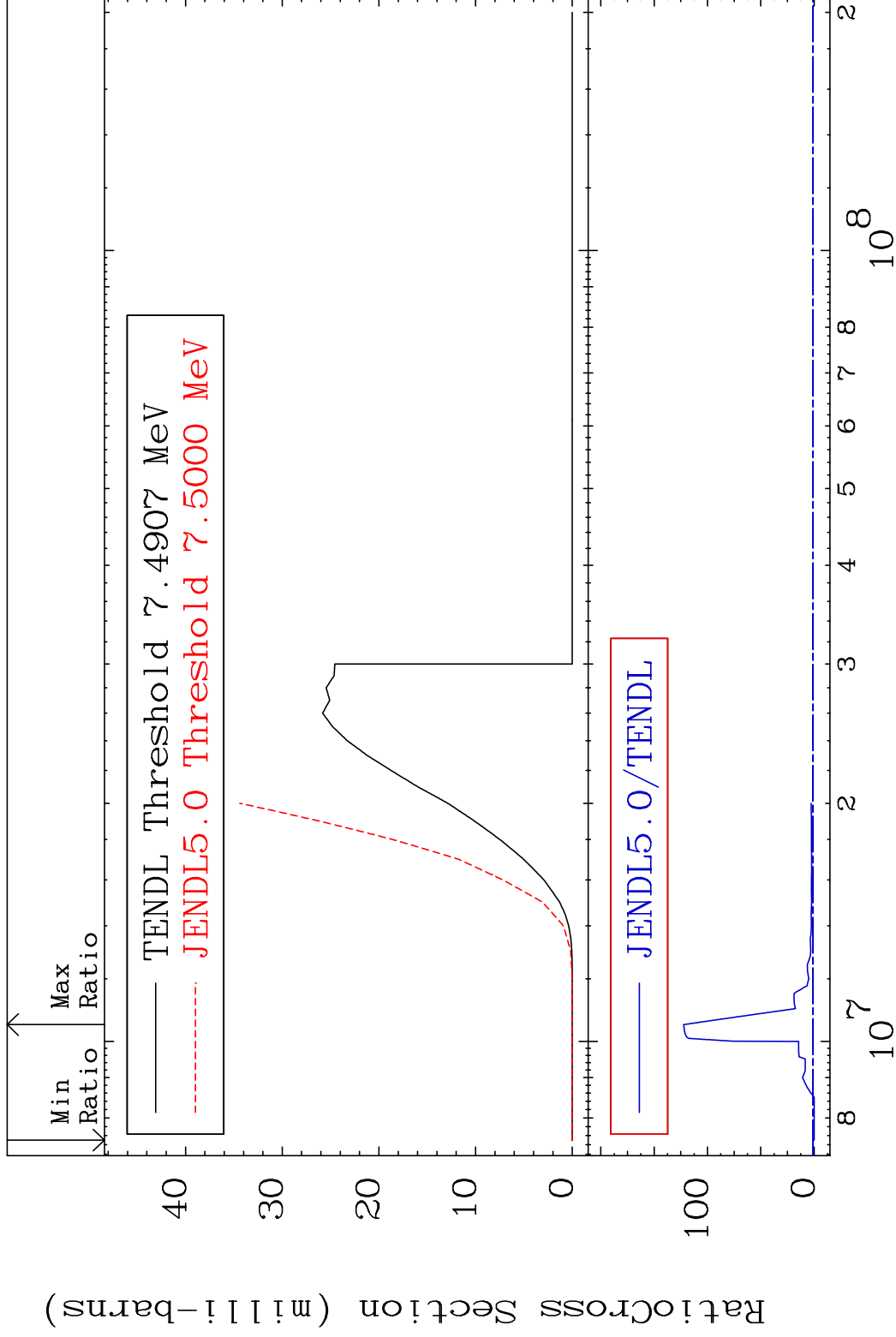


MAT 4843

(n,d)

48-Cd-112

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

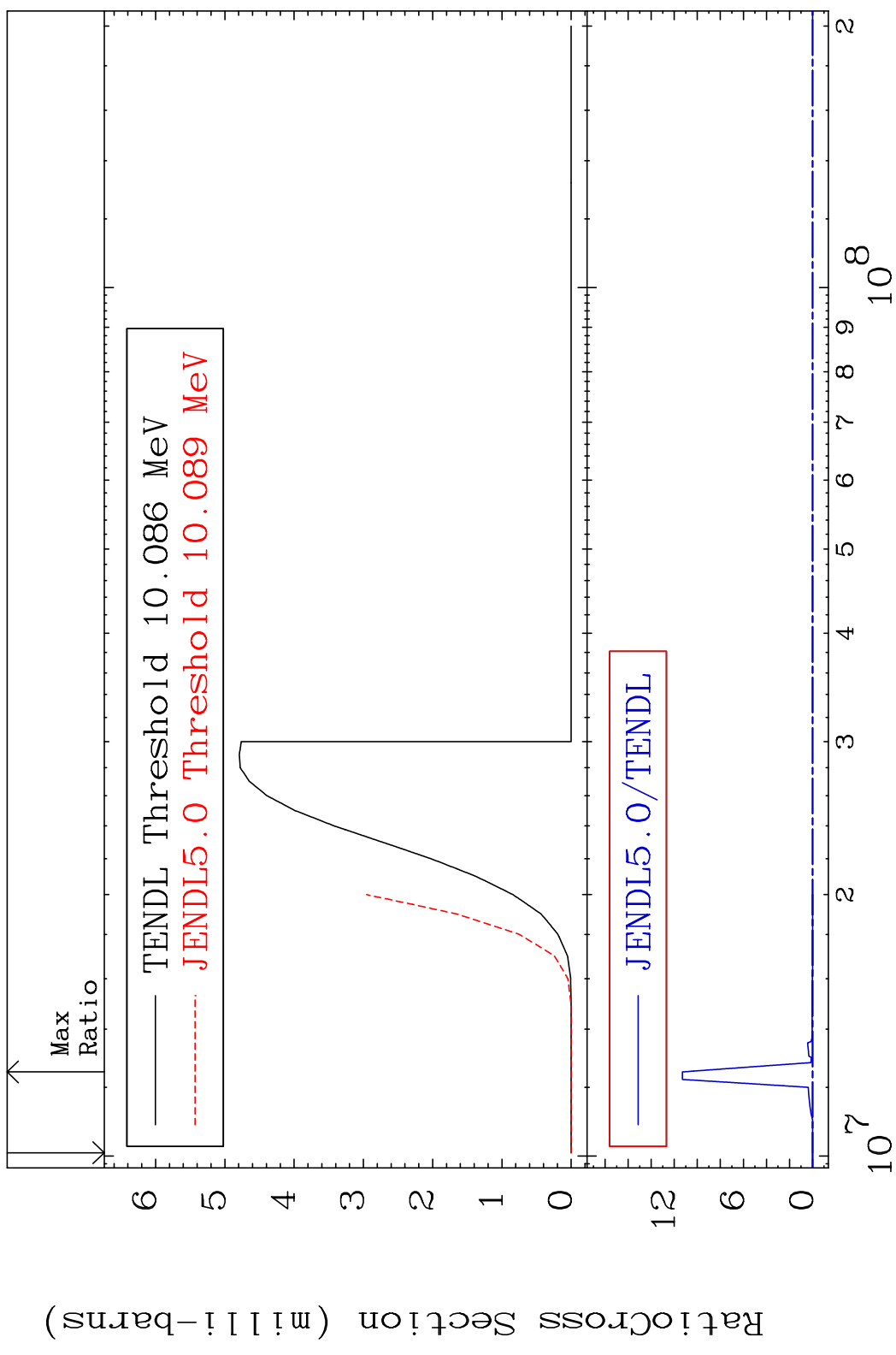
48-Cd-112

MAT 4843

(n, t)

48-Cd-112

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

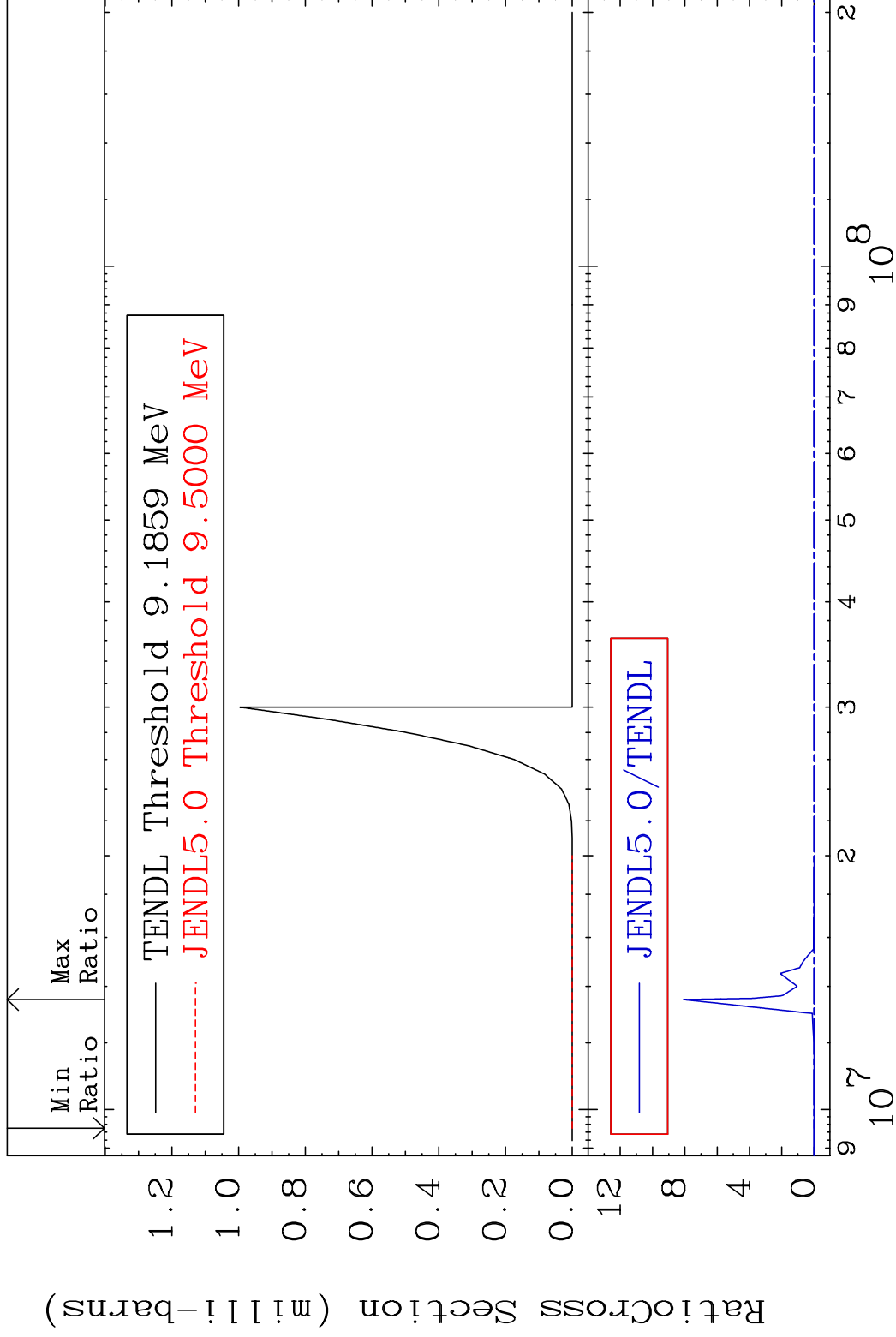
48-Cd-112

MAT 4843

(n, He-3)

48-Cd-112

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

48-Cd-112

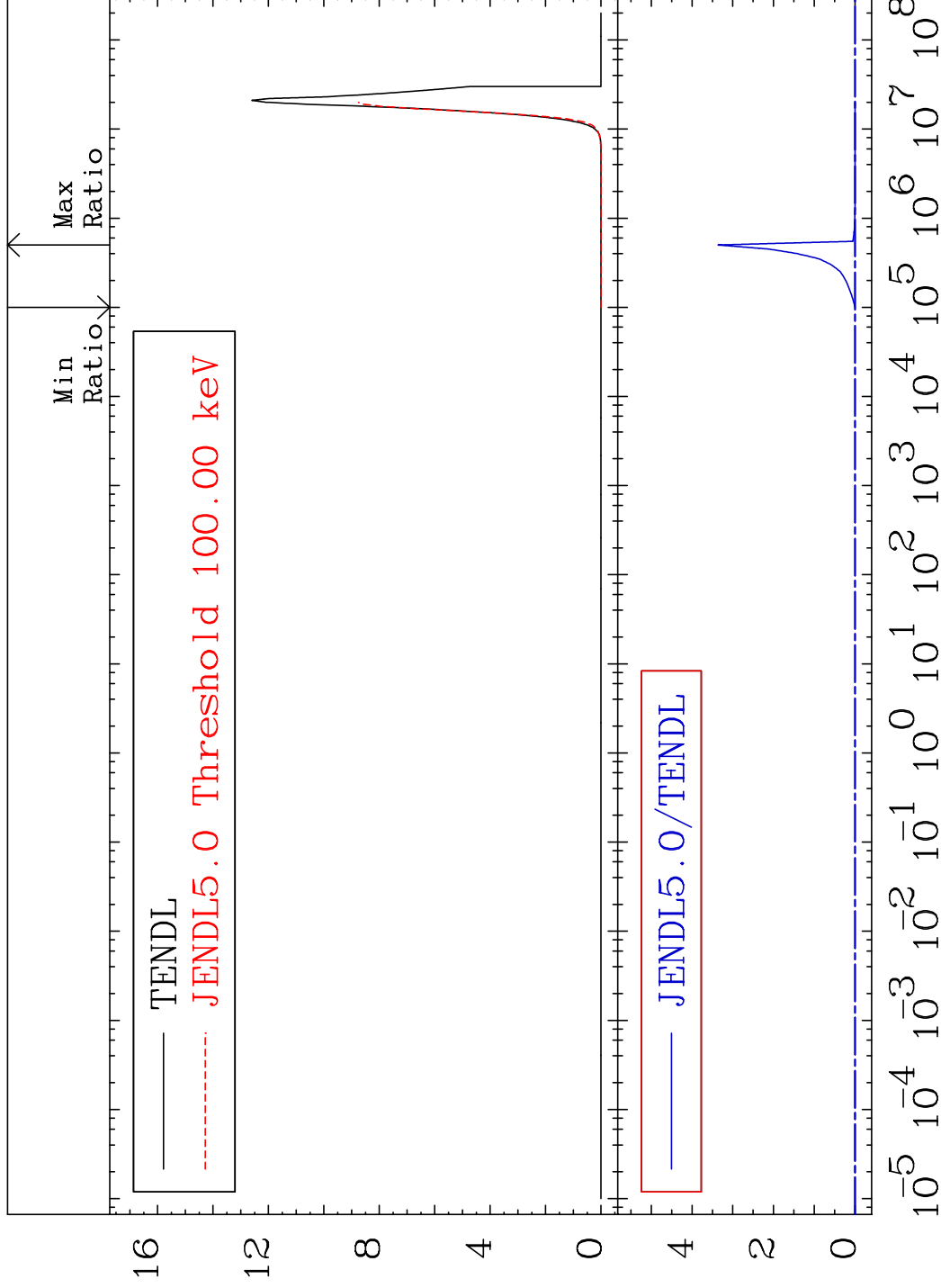
MAT 4843

(n, α)

48-Cd-112

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)

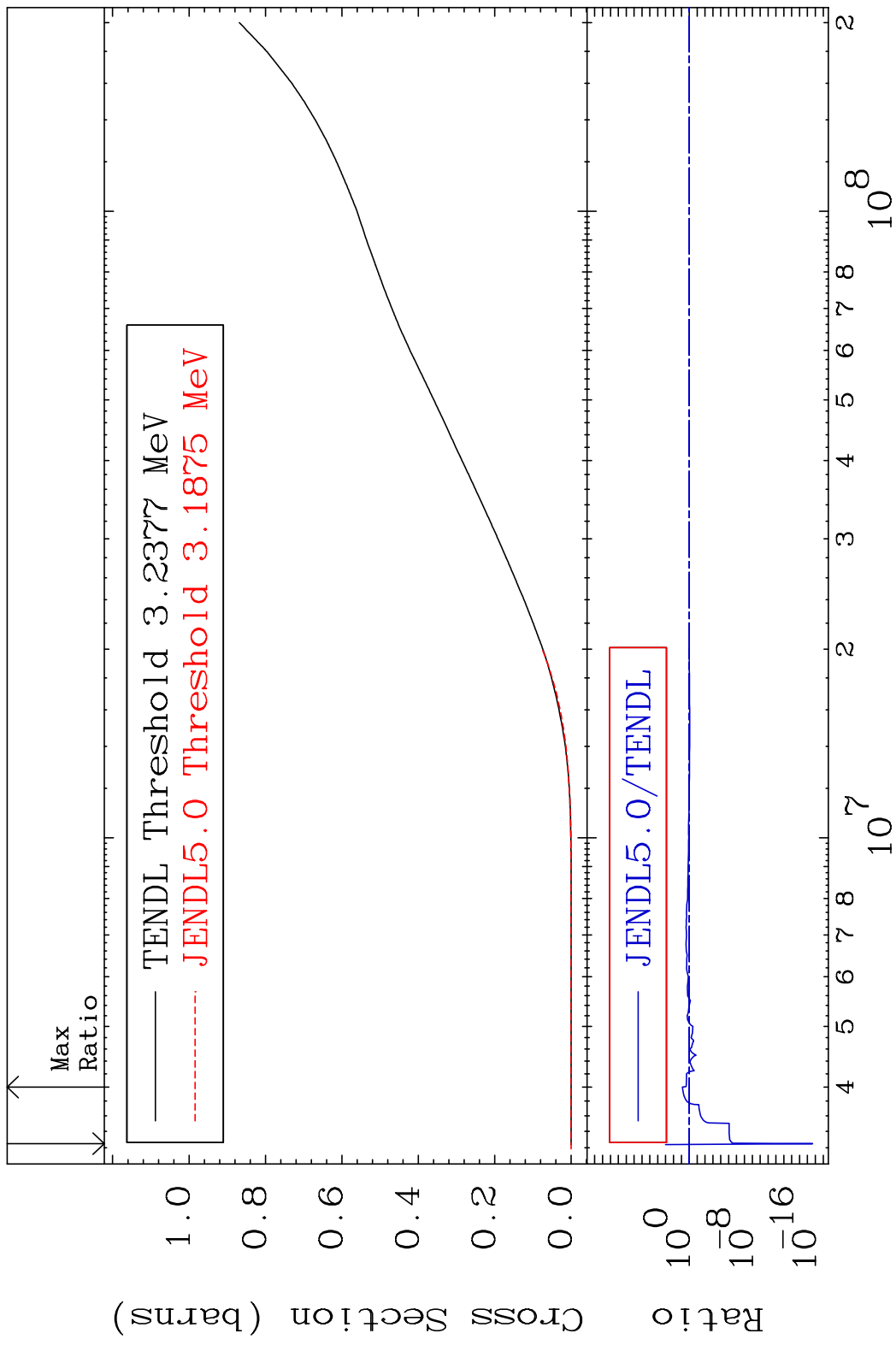


42

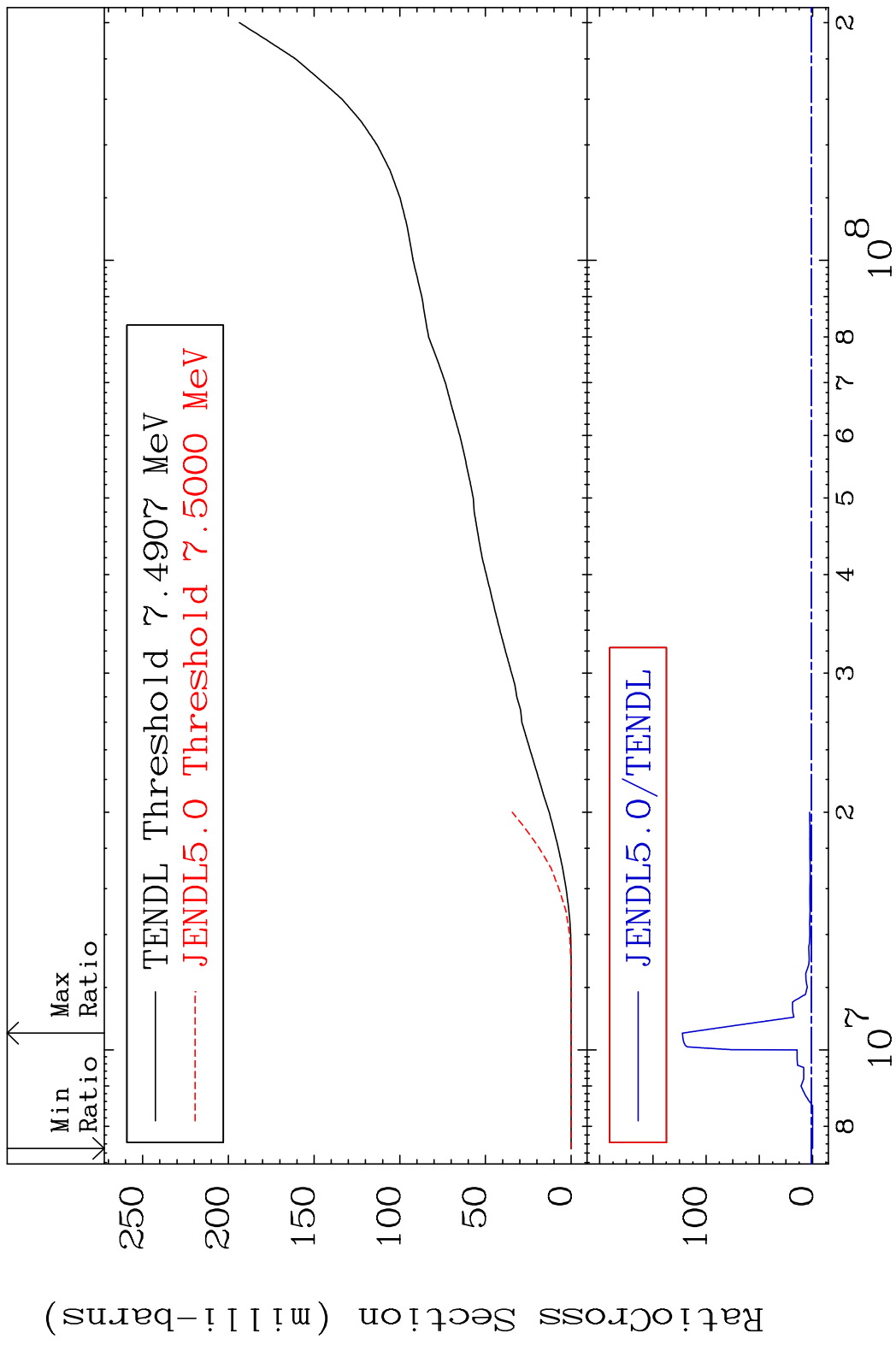
Incident Energy (eV)

48-Cd-112

MAT 4843 Hydrogen Production 48-Cd-112
 Cross Section -100.0 To 650.6 %

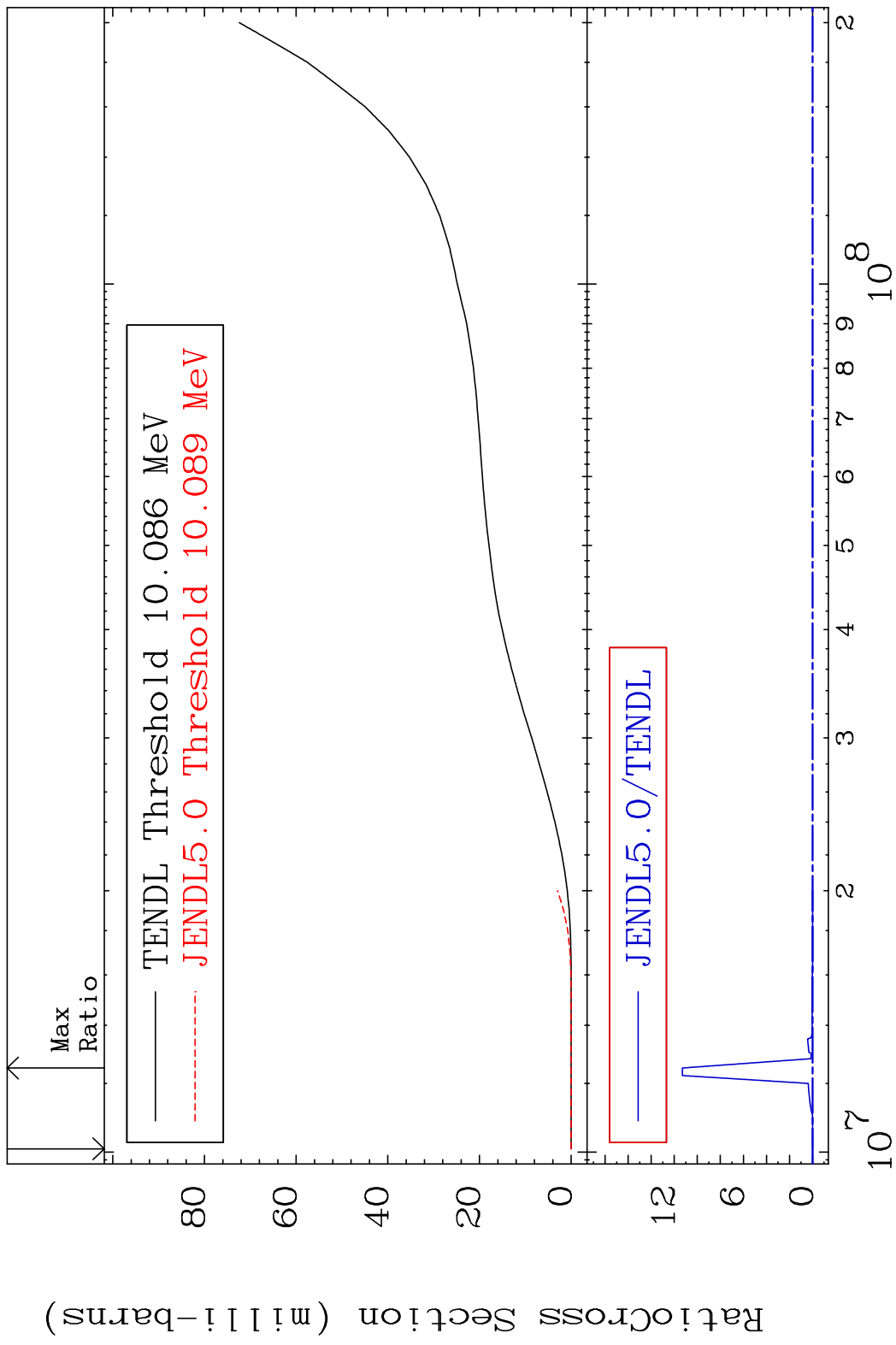


MAT 4843 Deuterium Production 48-Cd-112
 Cross Section -100.0 To 9999. %



44 Incident Energy (eV) 48-Cd-112

MAT 4843 Tritium Production 48-Cd-112
 Cross Section -100.0 To 9999. %



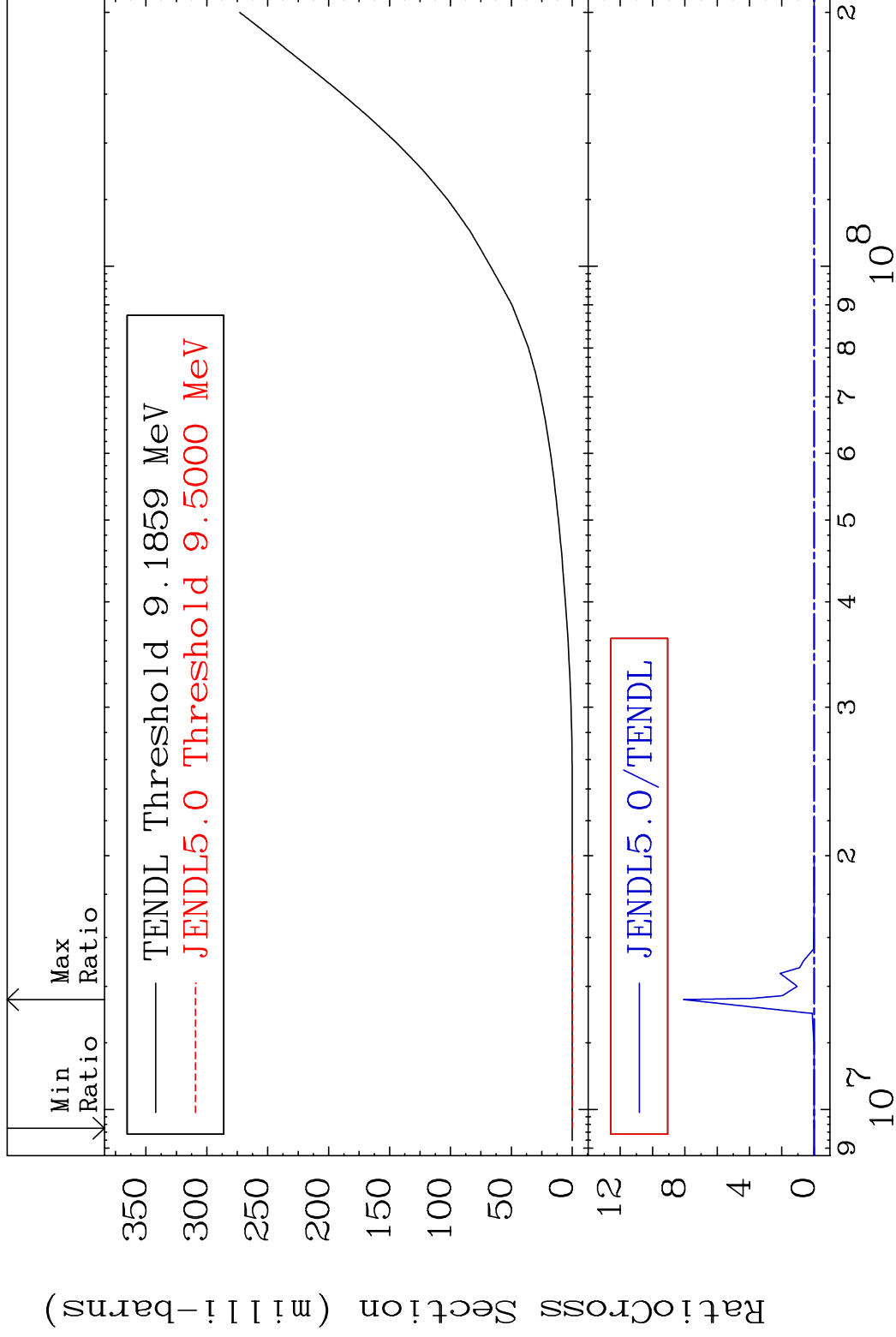
45 Incident Energy (eV) 48-Cd-112

MAT 4843

He-3 Production

48-Cd-112

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

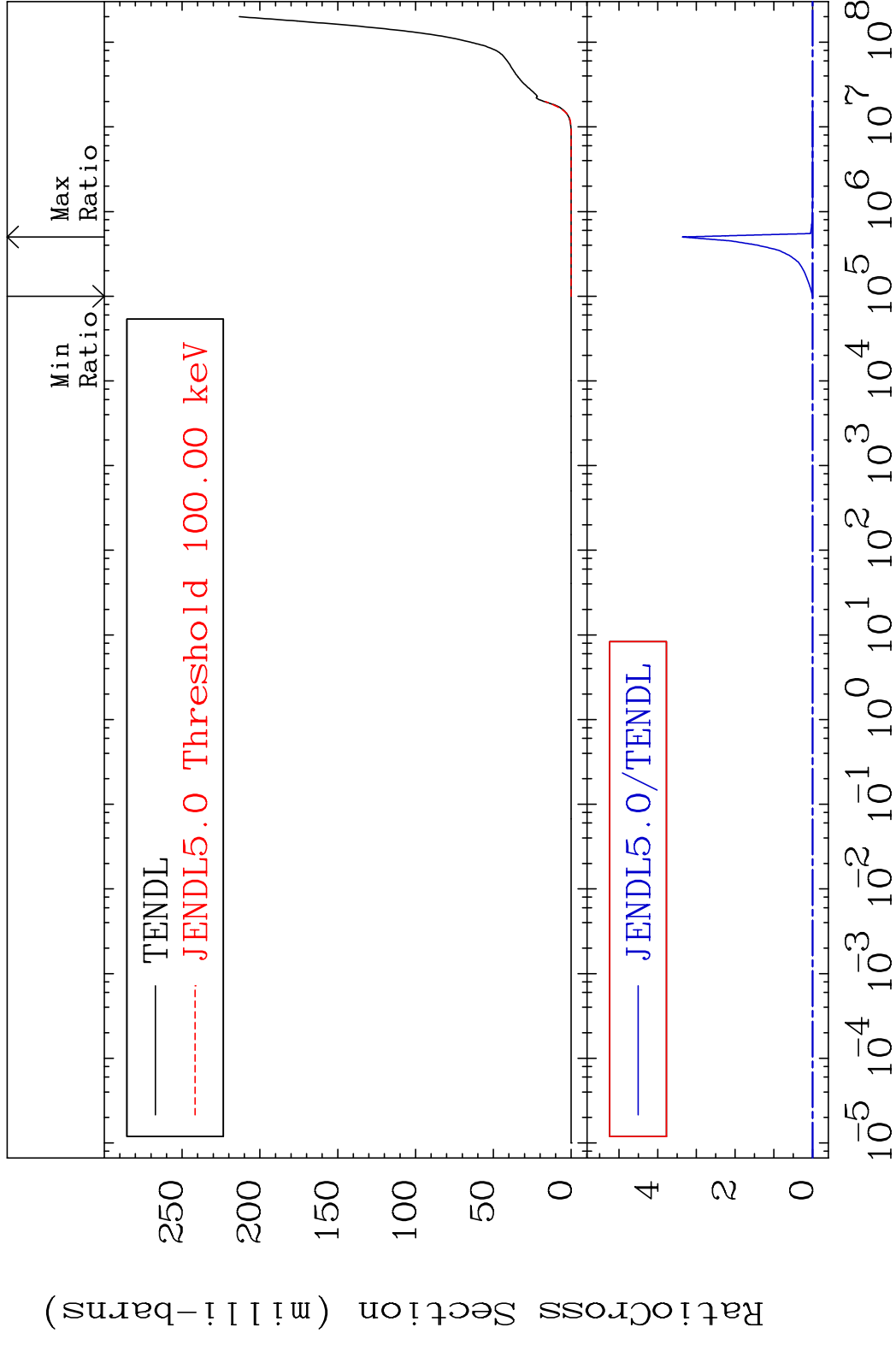
48-Cd-112

MAT 4843

He-4 Production

48-Cd-112

Cross Section -100.0 To 9999. %

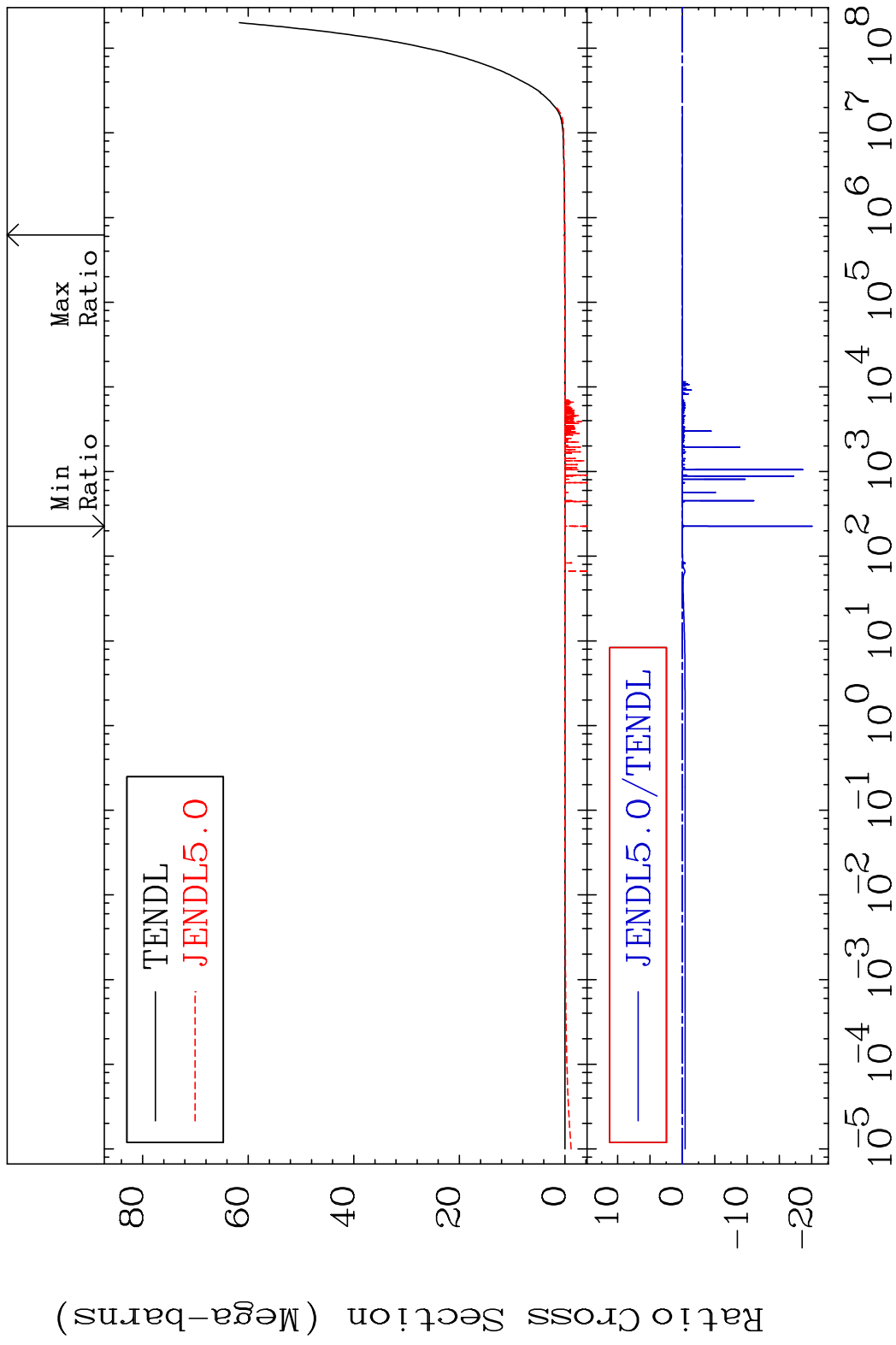


47

Incident Energy (eV)

48-Cd-112

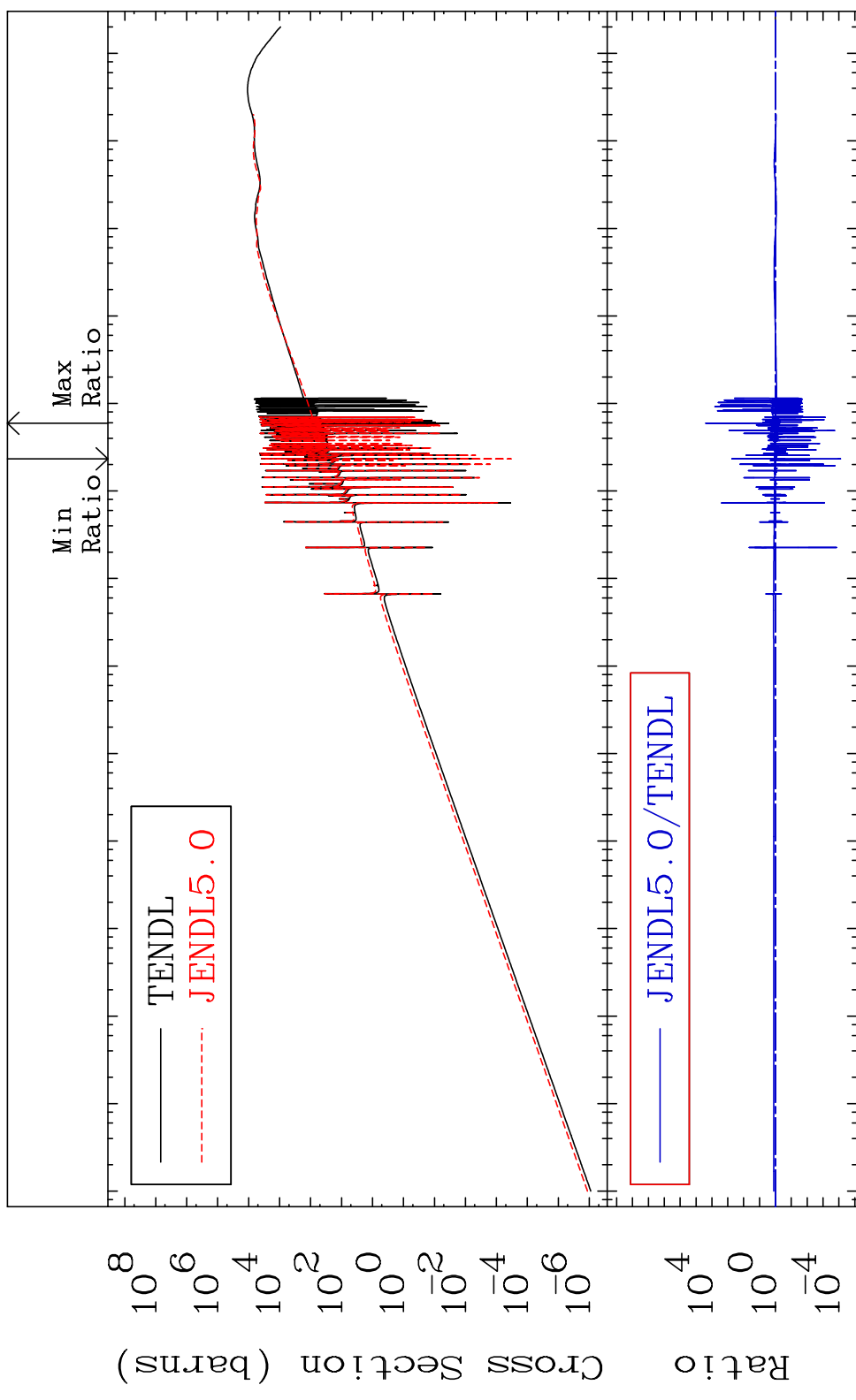
MAT 4843 Kerma total (eV-barns) 48-Cd-112
Cross Section -9999. To 433.7 %



48 Incident Energy (eV) 48-Cd-112

MAT 4843

Kerma elastic Cross Section -99.99 To 9999. %
48-Cd-112

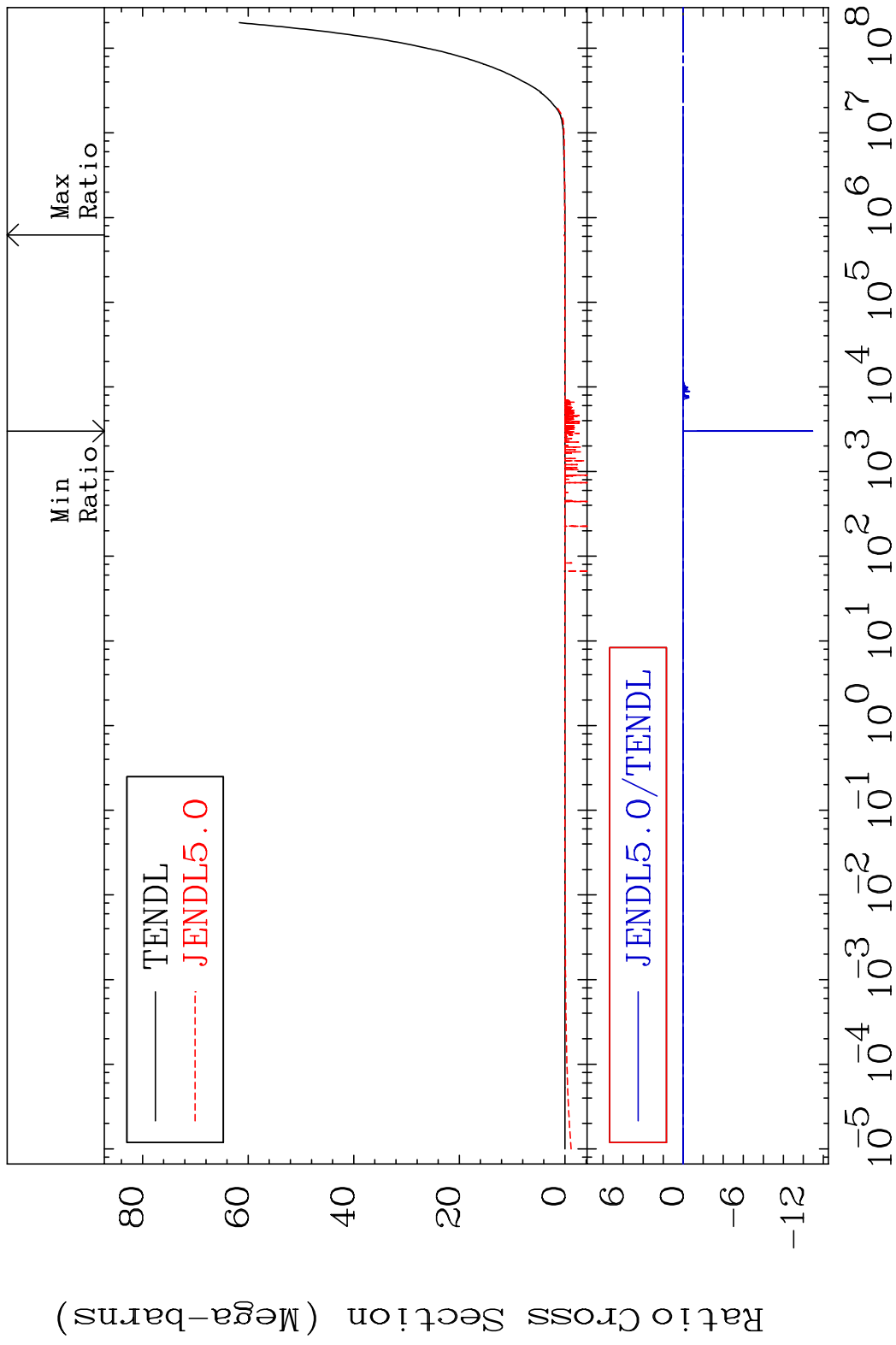


49

Incident Energy (eV)

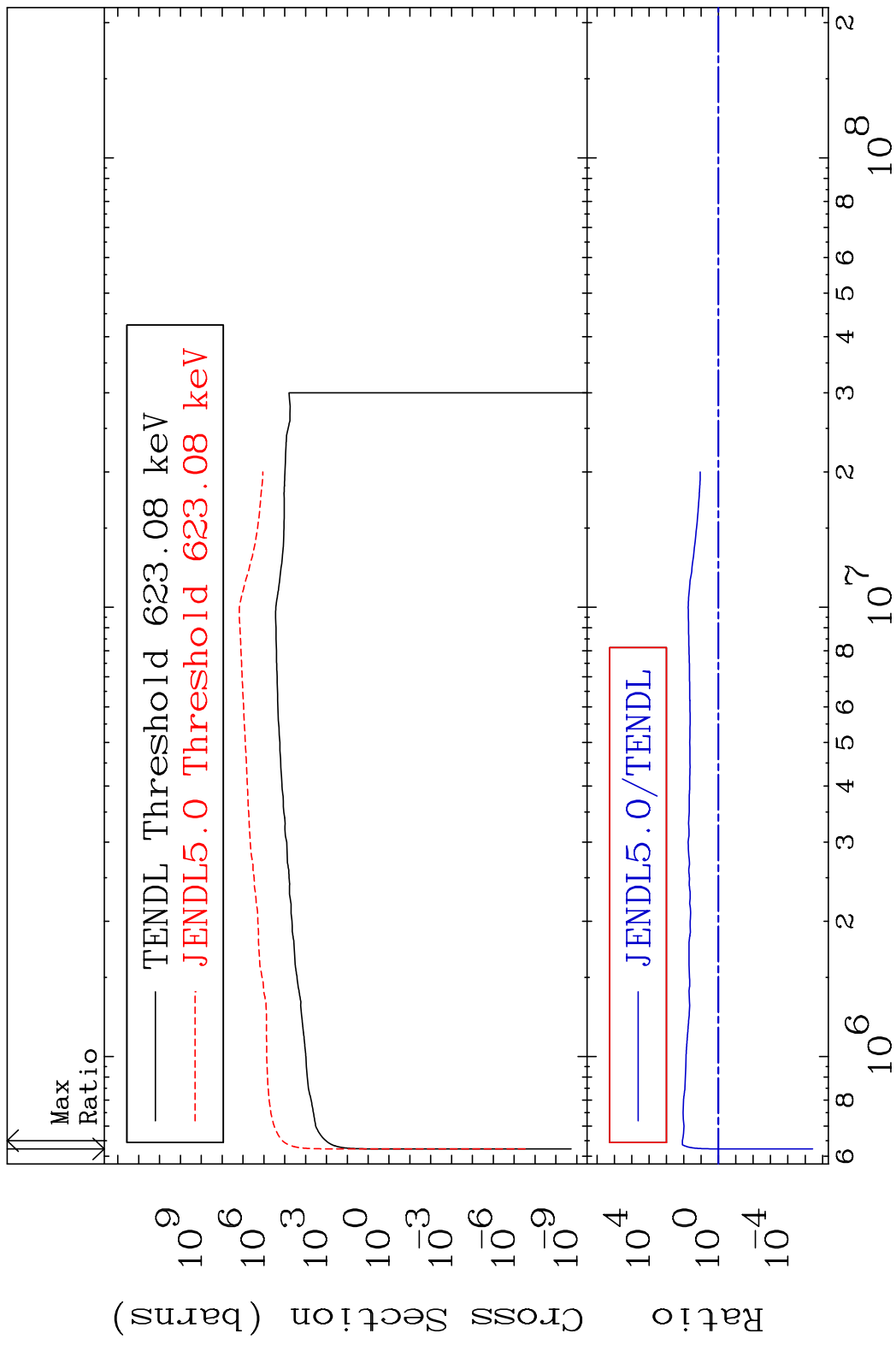
48-Cd-112

MAT 4843 Kerma non-elastic (all but mt2) 48-Cd-112
Cross Section -9999. To 9999. %

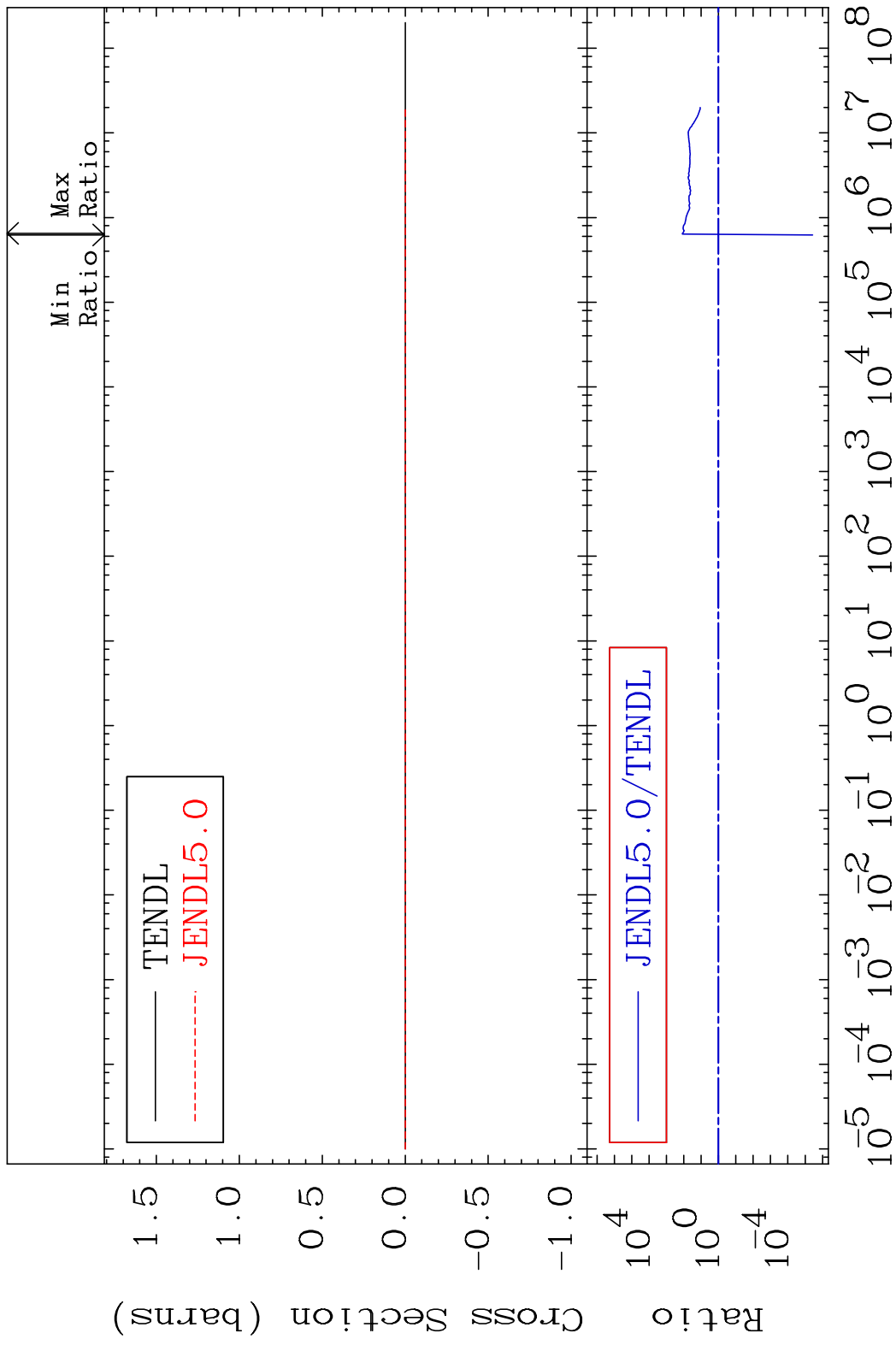


50 Incident Energy (eV) 48-Cd-112

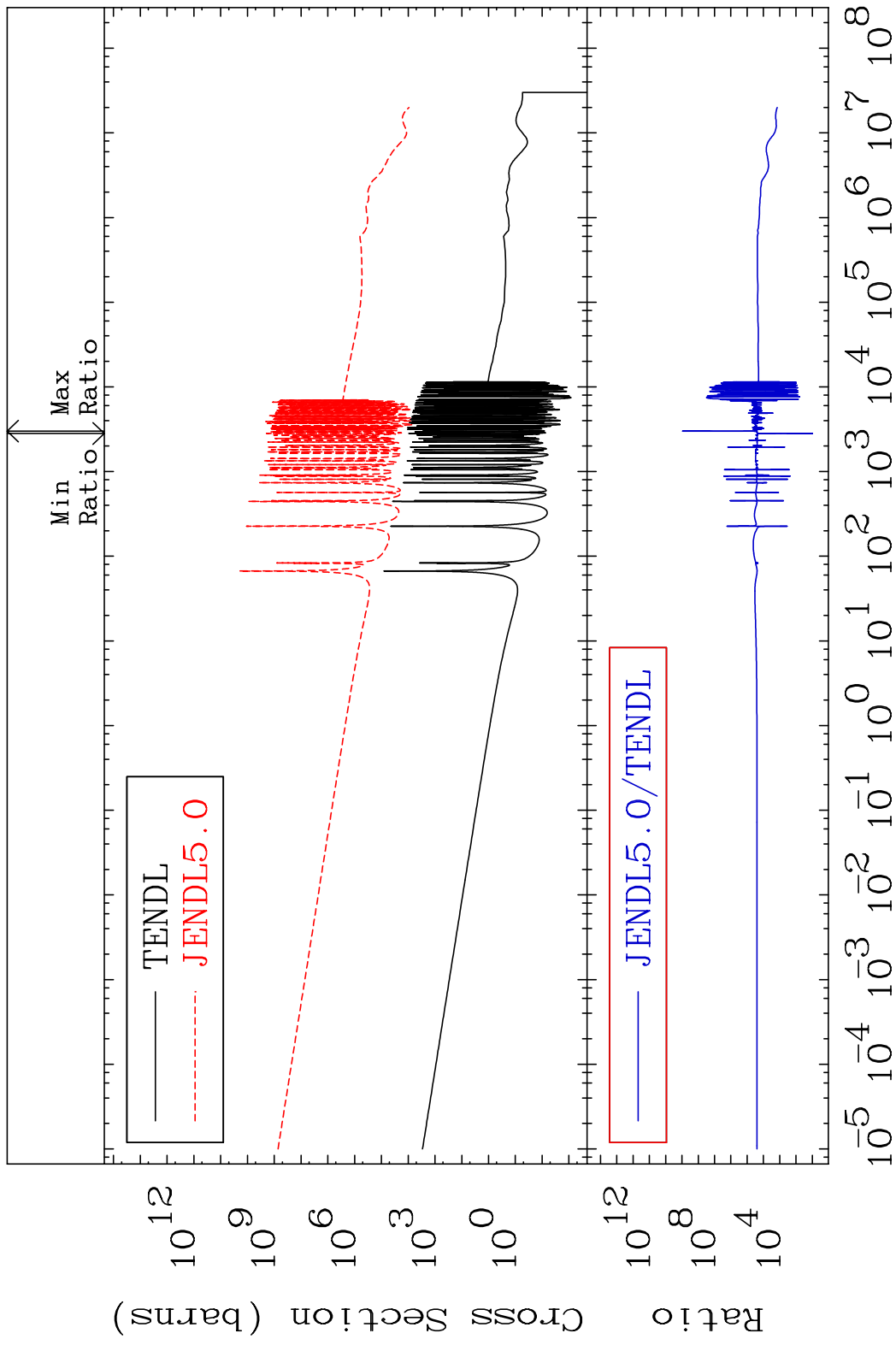
MAT 4843 Kerma inelastic (mt51-91) 48-Cd-112
 Cross Section -100.0 To 9999. %



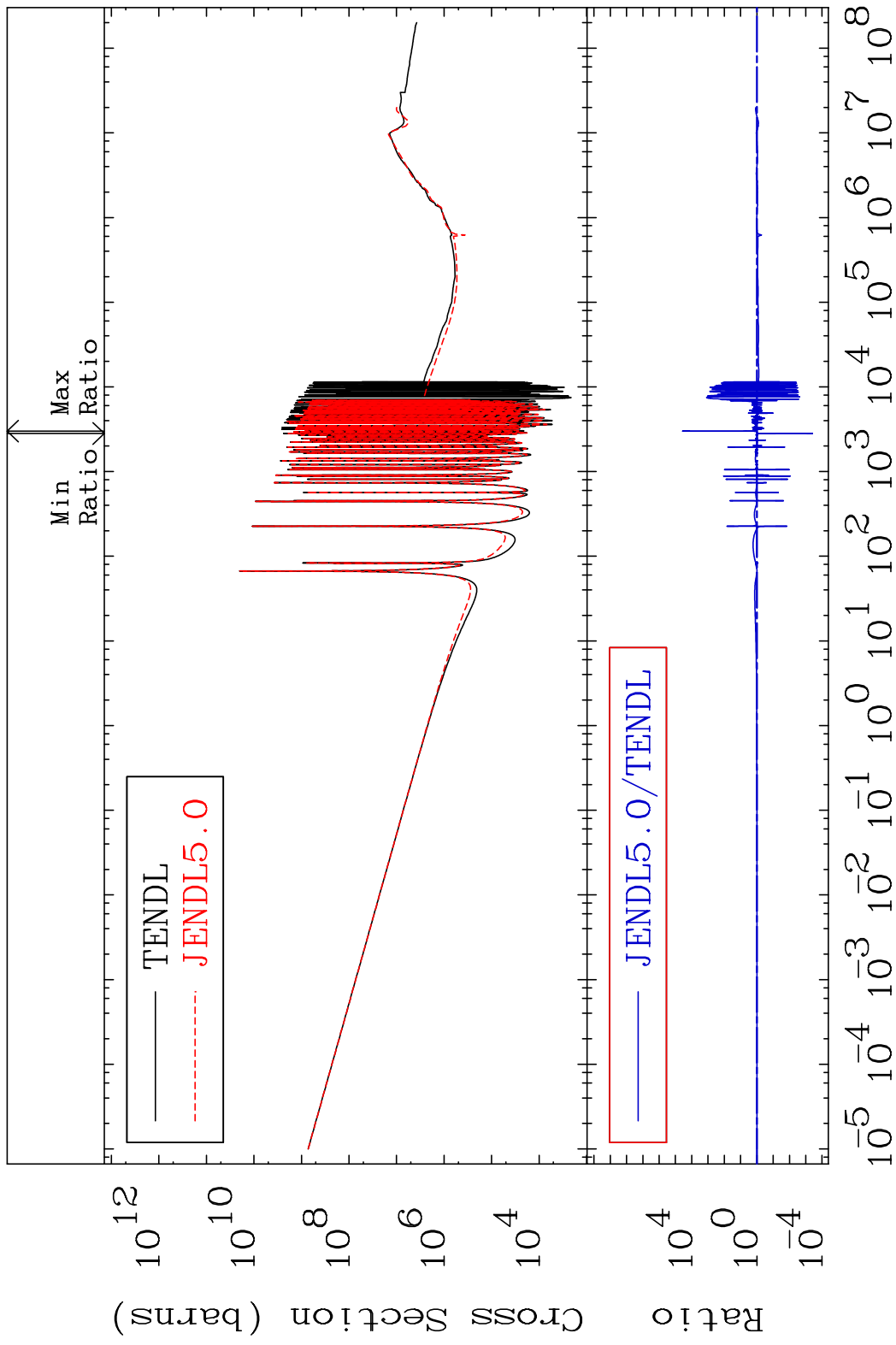
MAT 4843 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-112
 Cross Section -100.0 To 9999. %



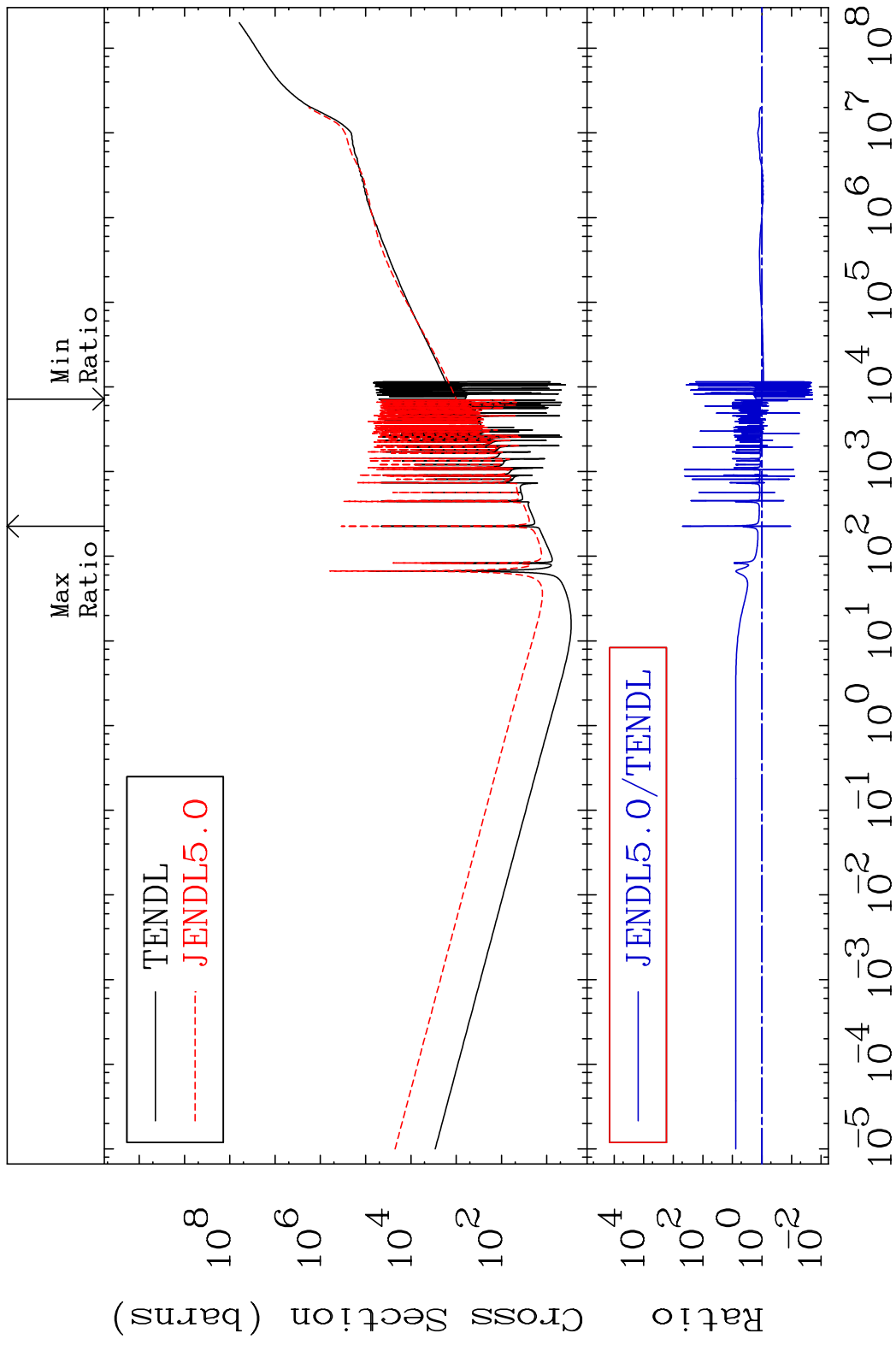
MAT 4843 Kerma capture (mt102) 48-Cd-112
 Cross Section 9545. To 9999. %



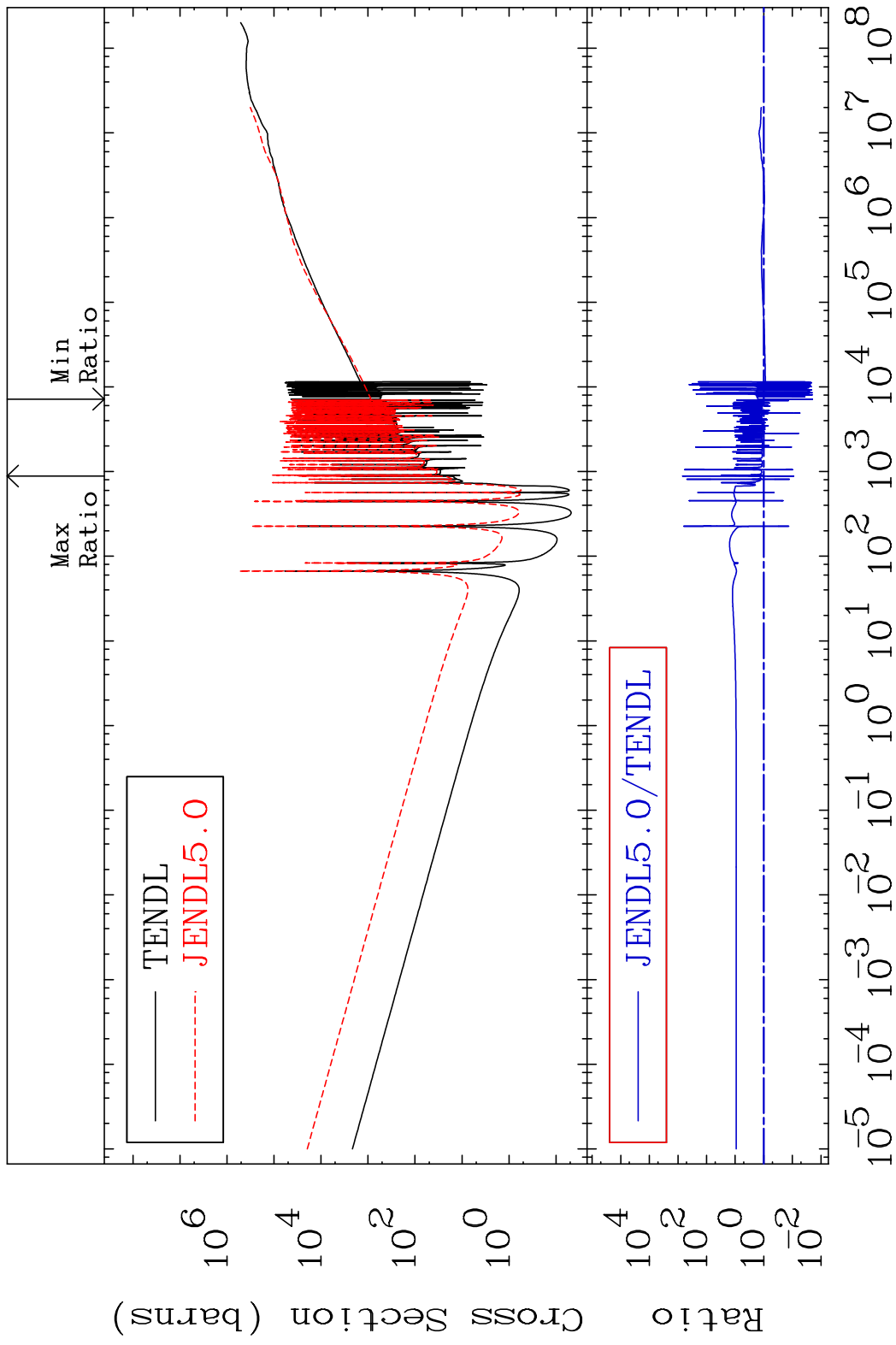
MAT 4843 Total photon (eV-barns) 48-Cd-112
 Cross Section -99.96 To 9999. %



MAT 4843 Total kinematic kerma (high limit) 48-Cd-112
Cross Section -98.05 To 9999. %



MAT 4843 Dpa total (eV-barns) 48-Cd-112
 Cross Section -98.03 To 9999. %



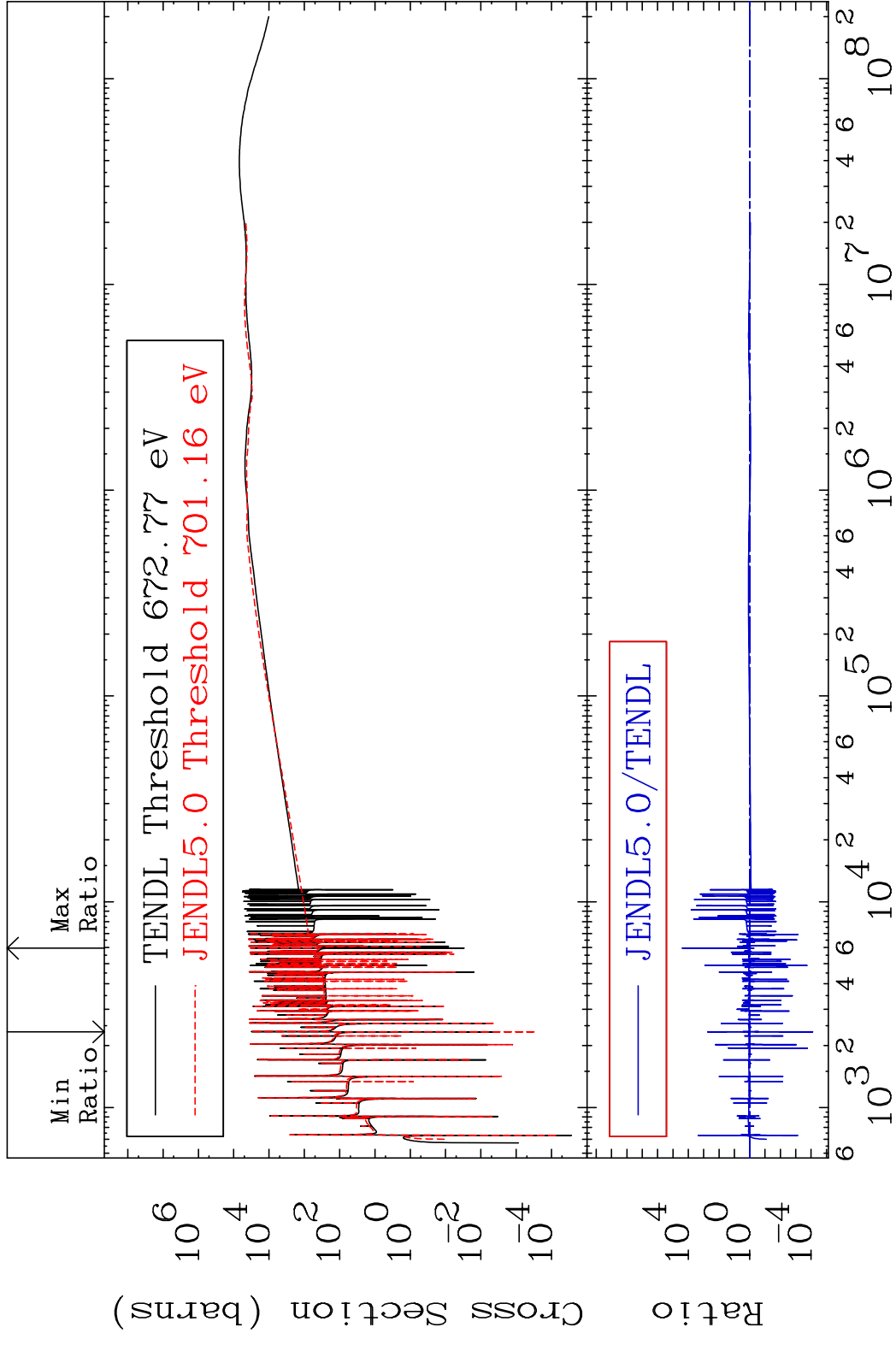
MAT 4843

Dpa elastic (mt2)

48-Cd-112

Cross Section

-99.99 To 9999. %

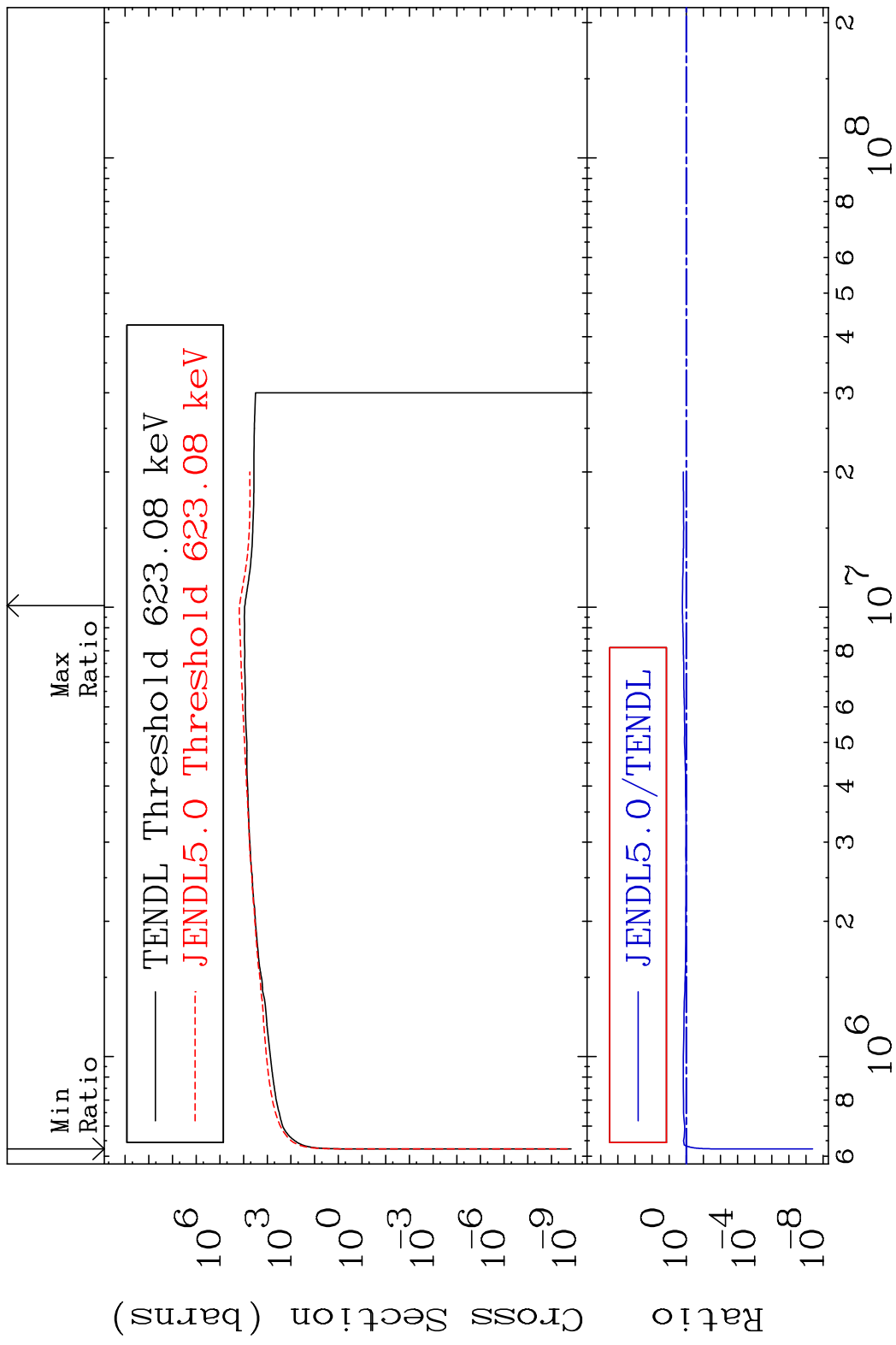


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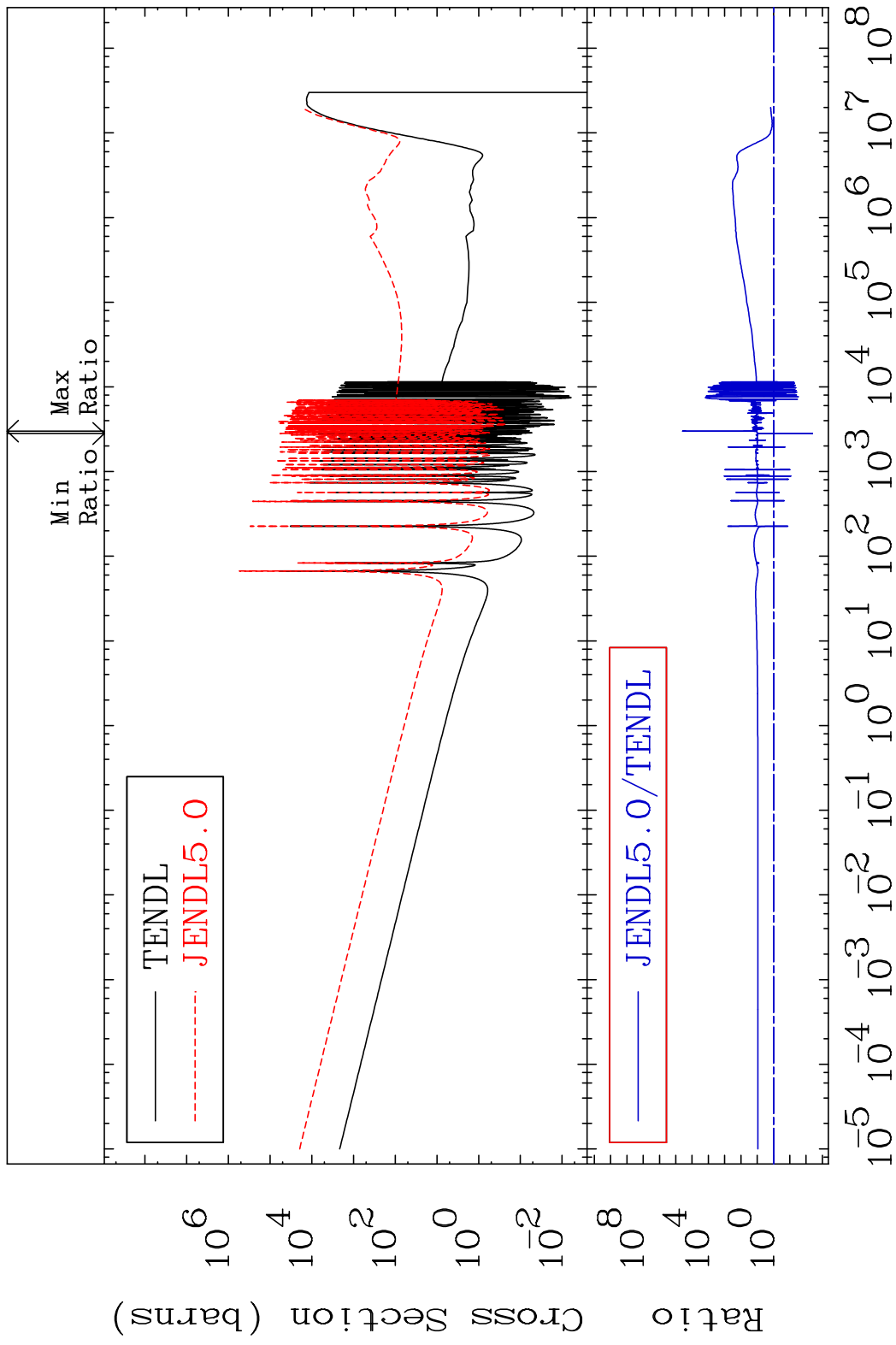
Incident Energy (eV)

48-Cd-112

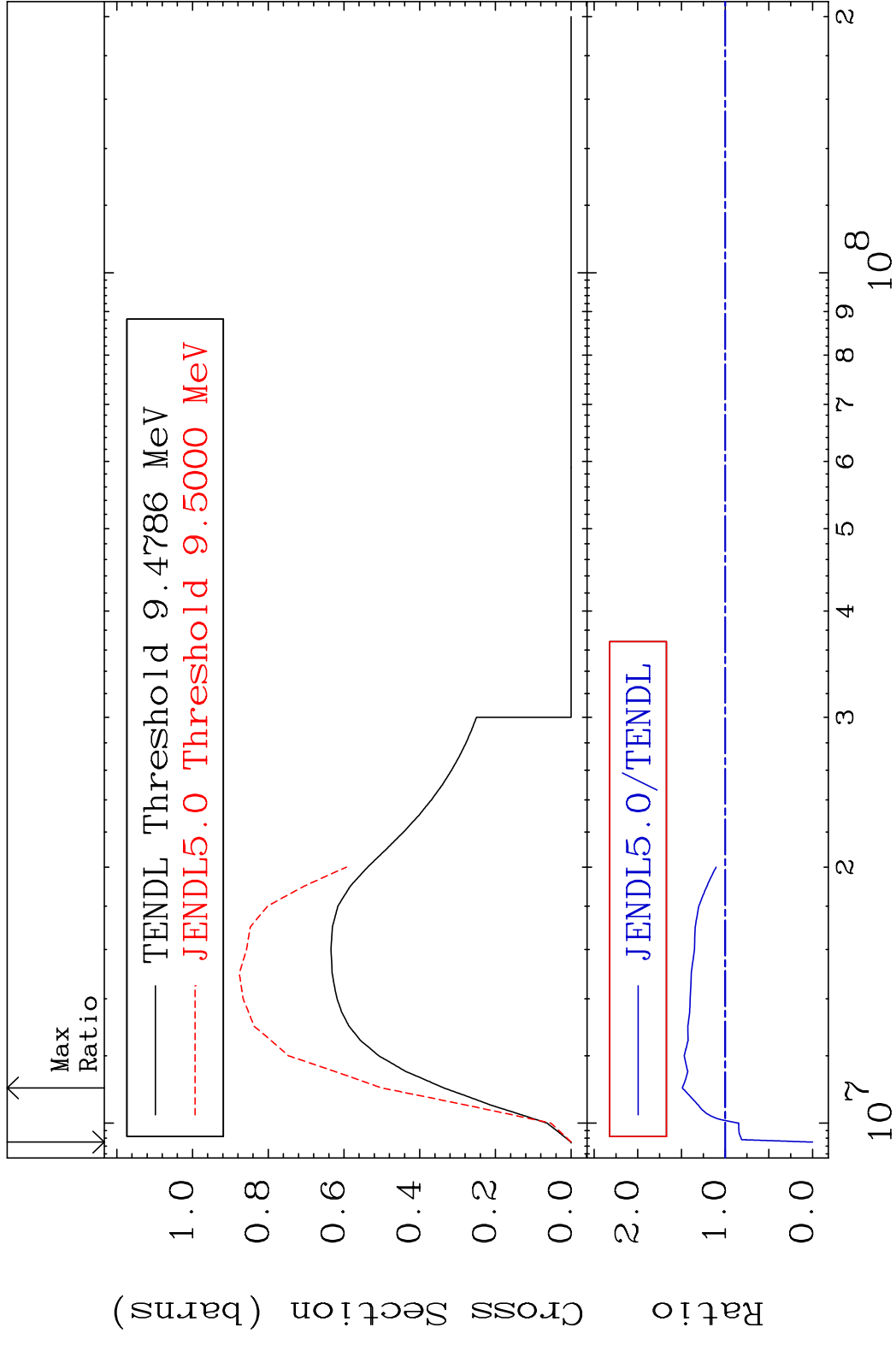
MAT 4843 Dpa inelastic (mt51-91) 48-Cd-112
 Cross Section -100.0 To 67.96 %



MAT 4843 Dpa disappearance (mt102 -120) 48-Cd-112
 Cross Section -99.60 To 9999. %

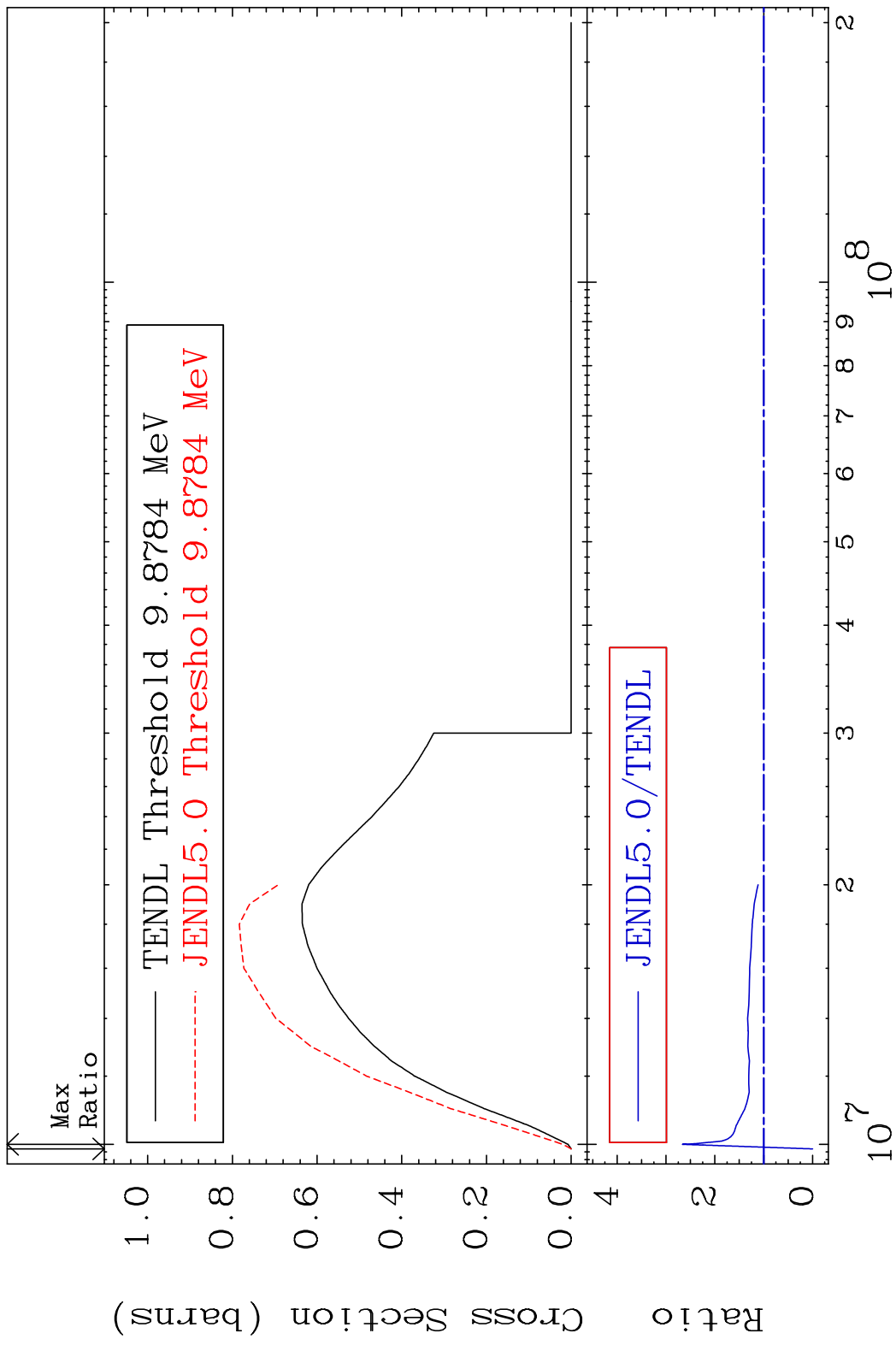


MAT 4843 (n,2n):48-Cd-111g 48-Cd-112
 Radionuclide Production Cross Section 180.01 dpo 48.99 %

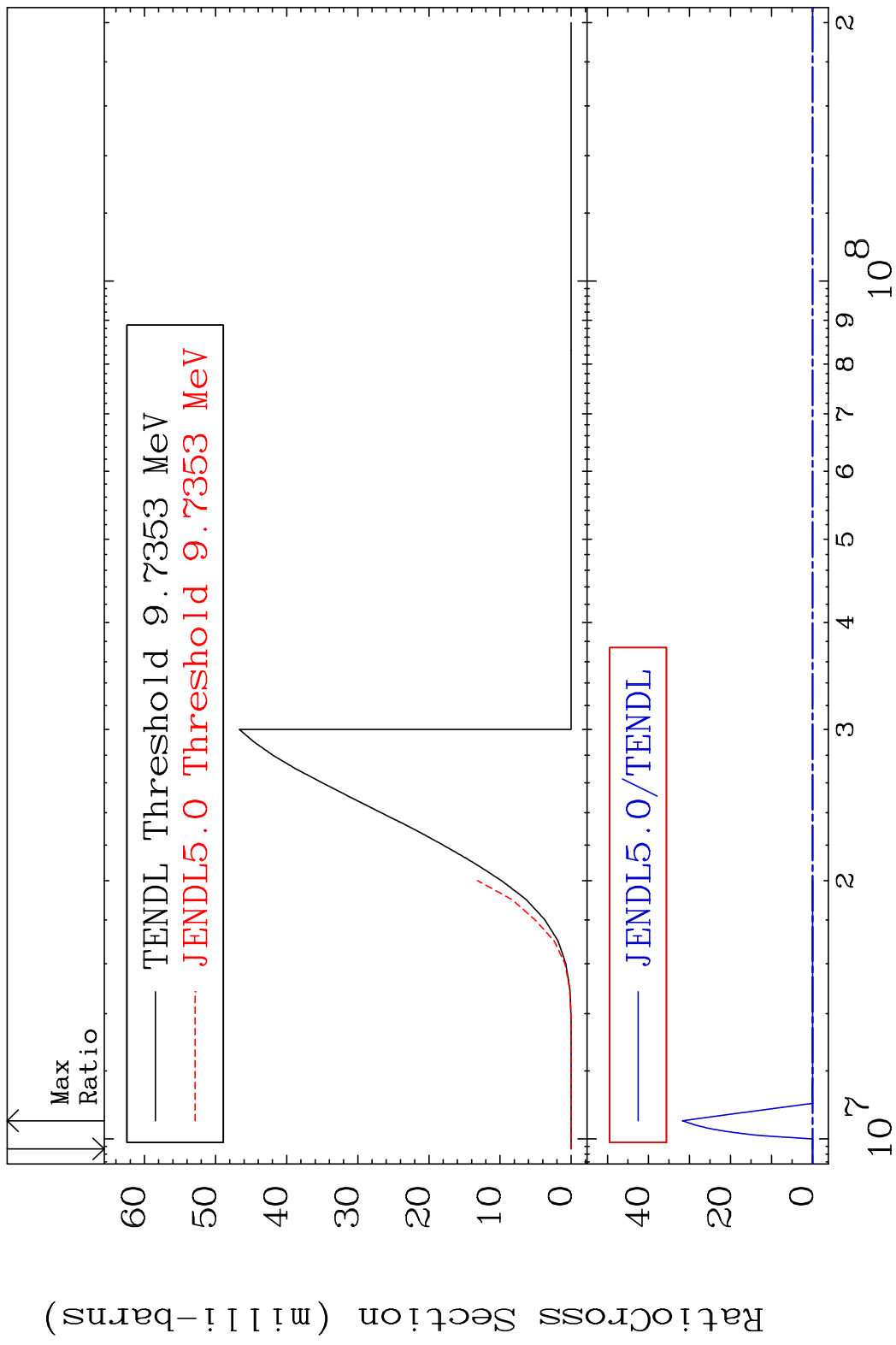


60 Incident Energy (eV) 48-Cd-112

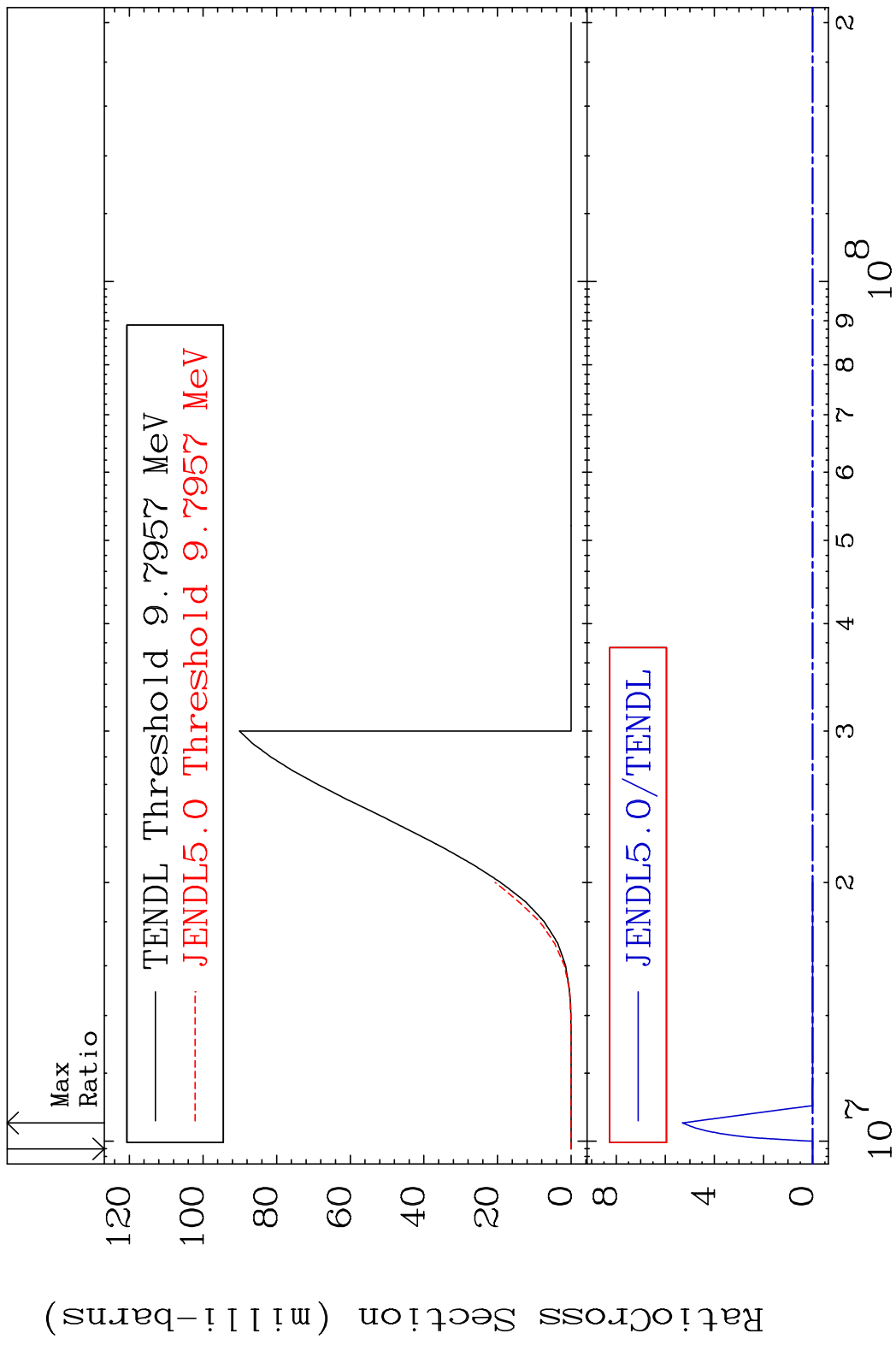
MAT 4843 (n,2n): 48-Cd-111m3 48-Cd-112
 Radionuclide Production Cross Section 180.0 dth 166.5 %



61 Incident Energy (eV) 48-Cd-112

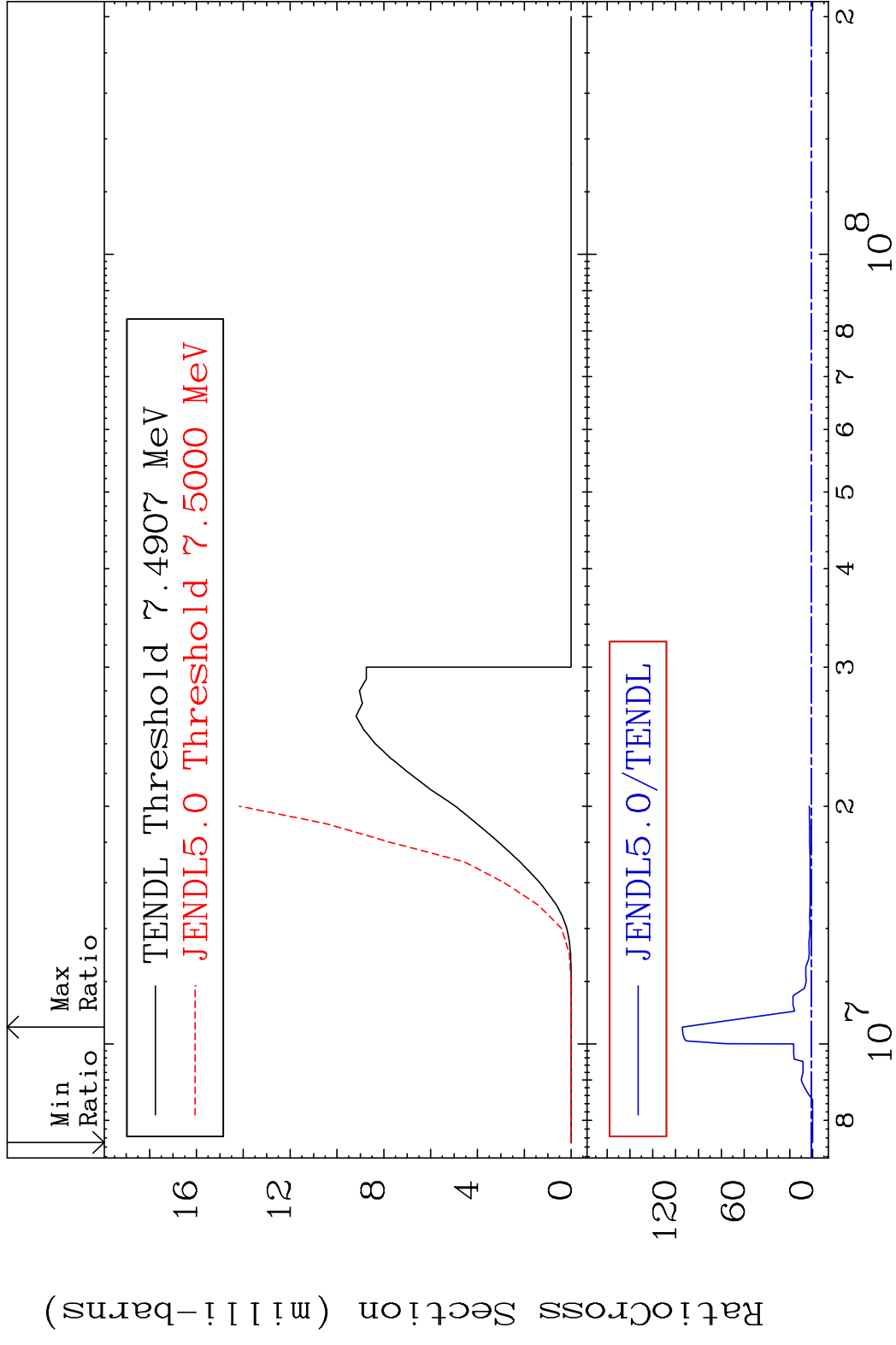


MAT 4843 (n, n') p:47-Ag-111m1 48-Cd-112
 Radionuclide Production Cross Section Ratio 9999. %



63 Incident Energy (eV) 48-Cd-112

MAT 4843 (n,d):47-Ag-111g 48-Cd-112
 Radionuclide Production Cross Section Ratio 9999. %



64 Incident Energy (eV) 48-Cd-112

MAT 4843 (n,d):47-Ag-111m1 48-Cd-112
 Radionuclide Production Cross Section Ratio

