

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

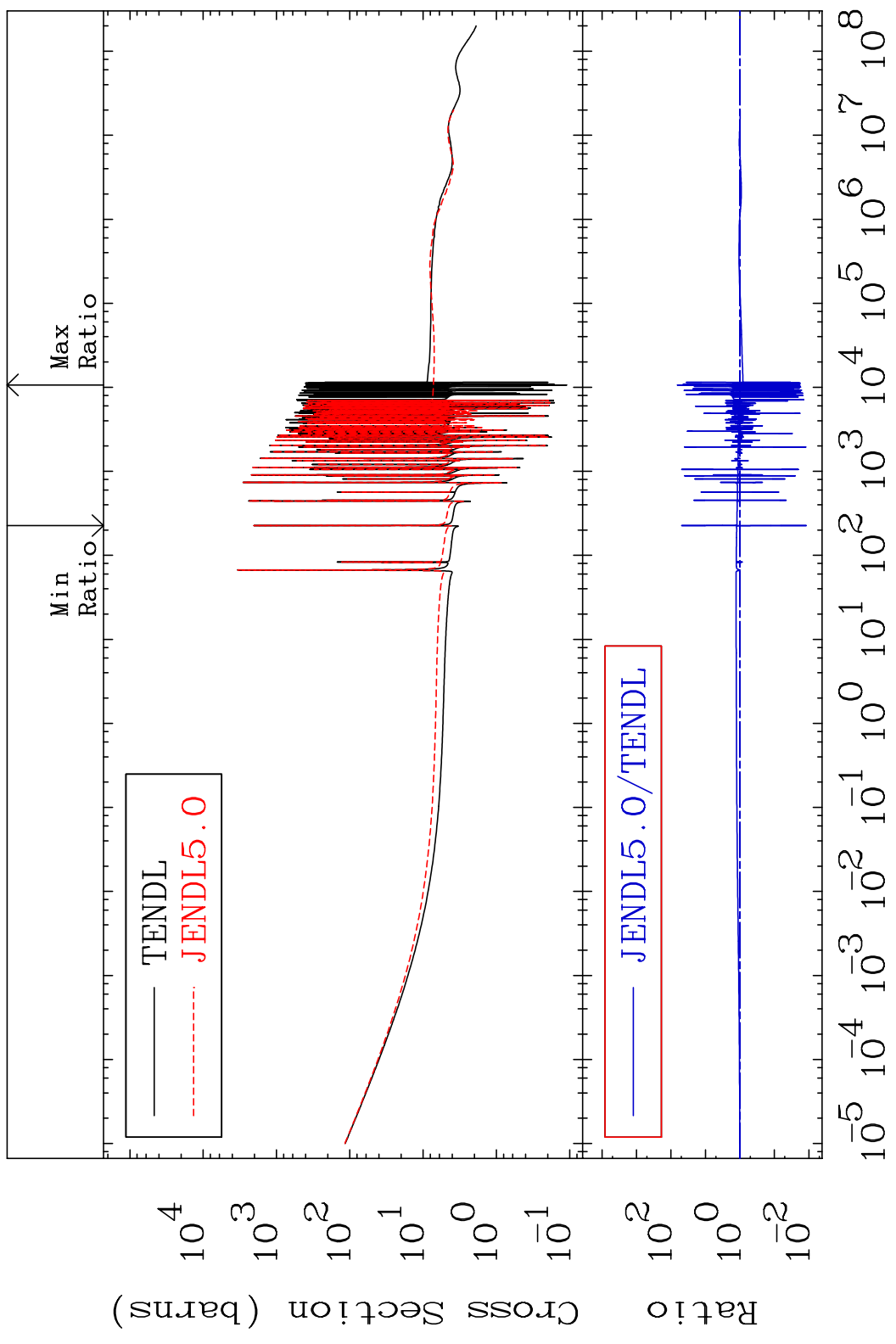
Tele: 925-443-1911

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



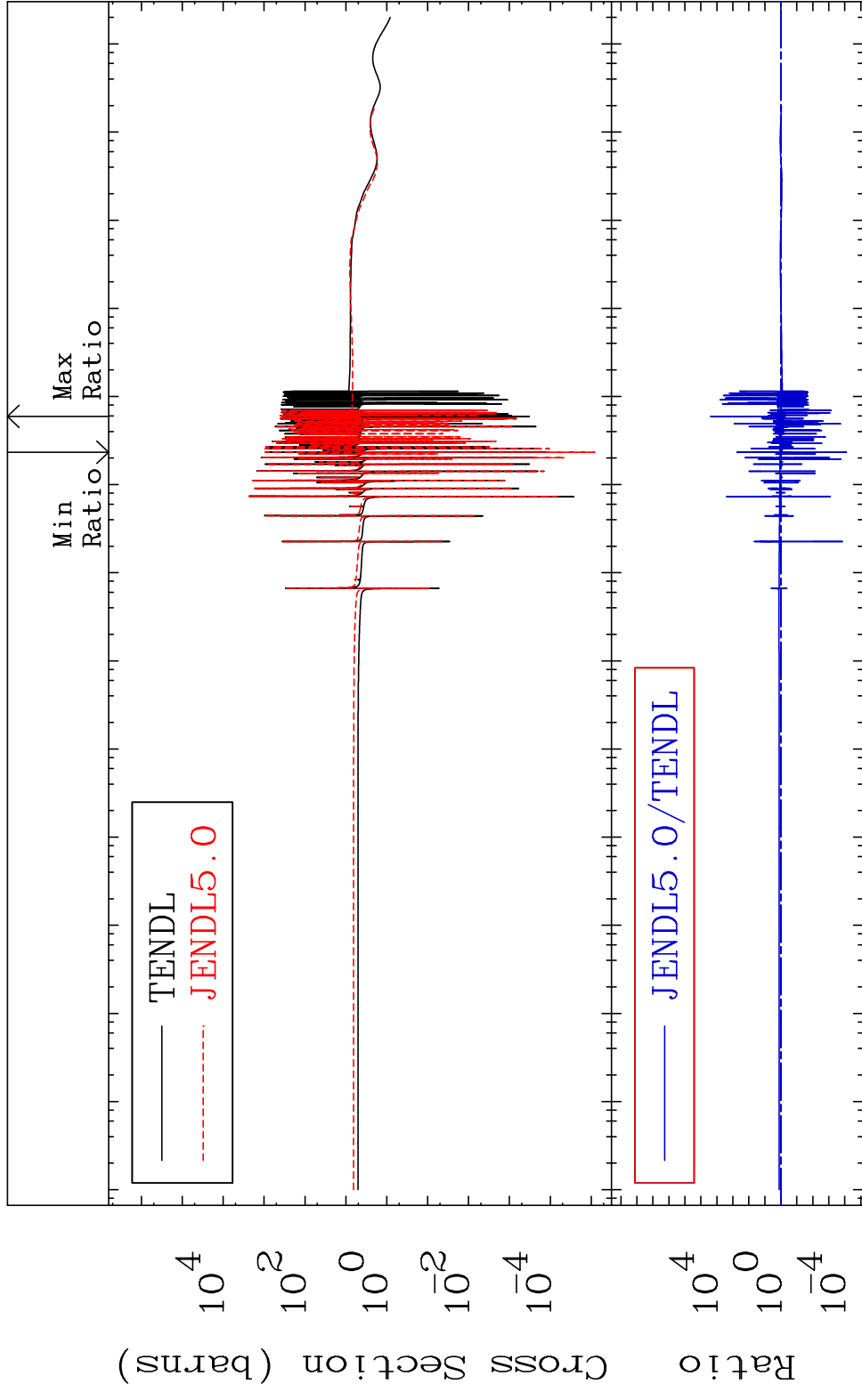
1 Incident Energy (eV) 48-Cd-112

MAT 4843

Elastic

48-Cd-112

Cross Section -99.99 To 9999. %

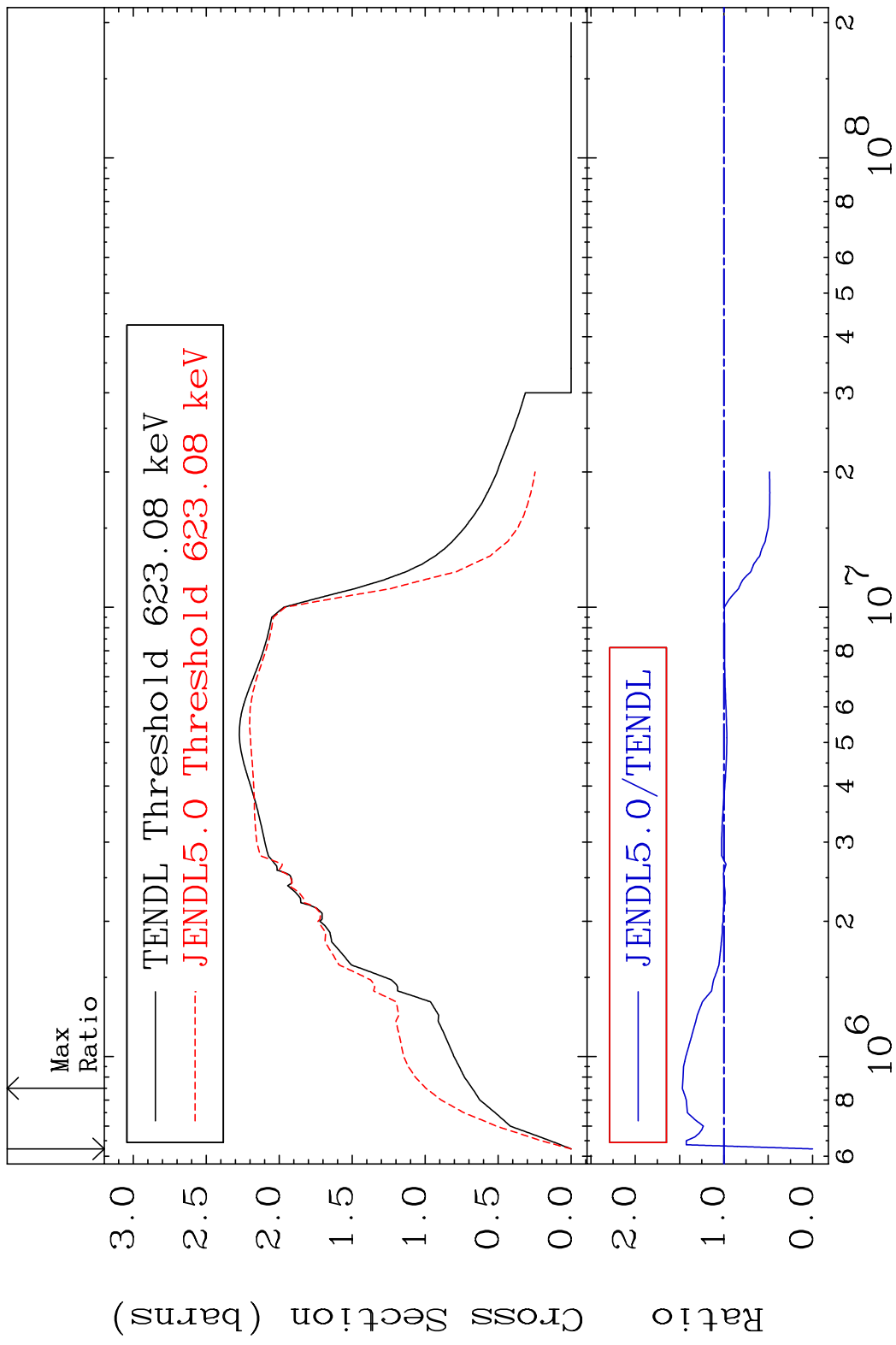


2

Incident Energy (eV)

48-Cd-112

MAT 4843 Inelastic 48-Cd-112
 Cross Section -100.0 To 46.86 %



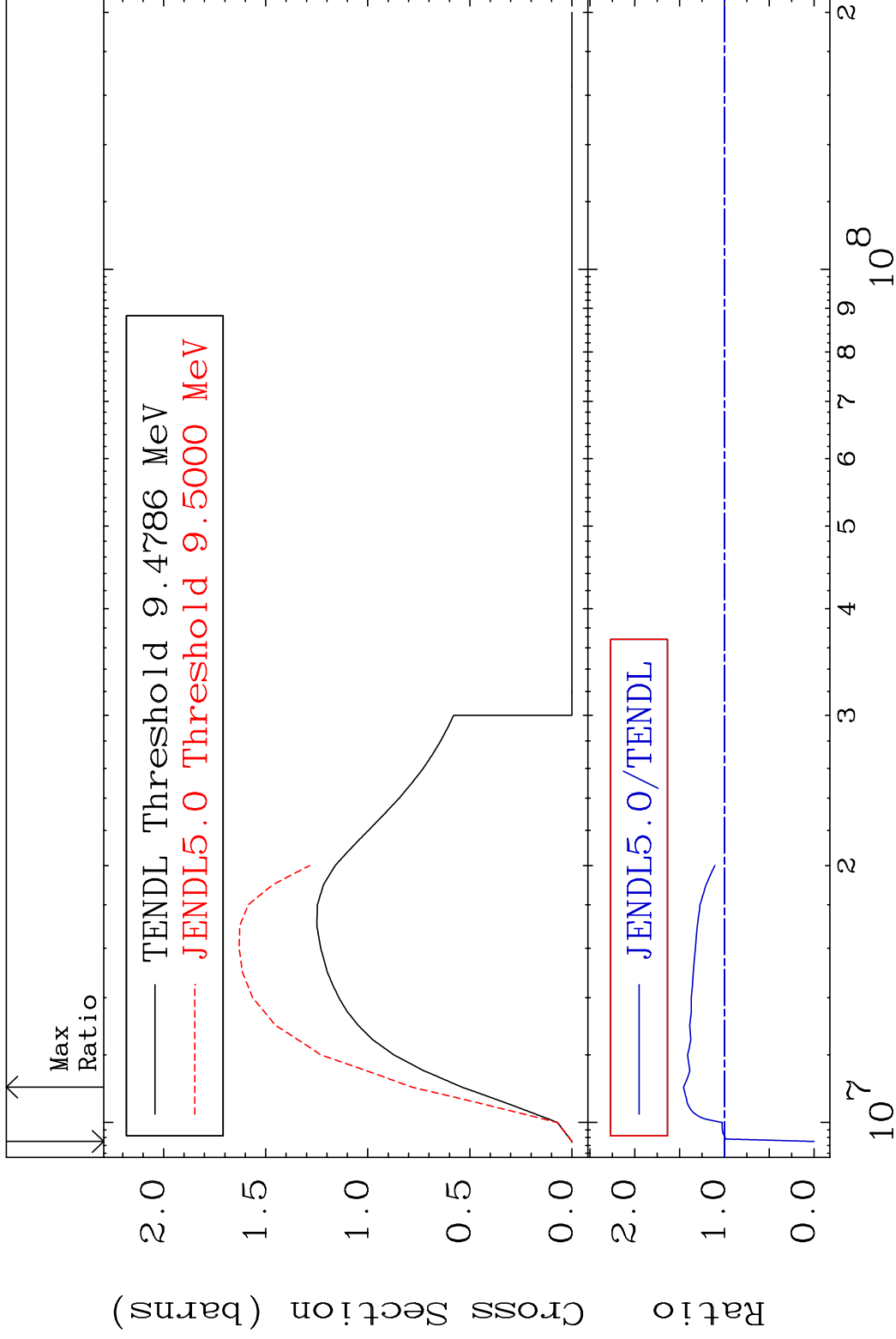
3 Incident Energy (eV) 48-Cd-112

MAT 4843

(n,2n)

48-Cd-112

Cross Section -100.0 To 45.69 %



4

Incident Energy (eV)

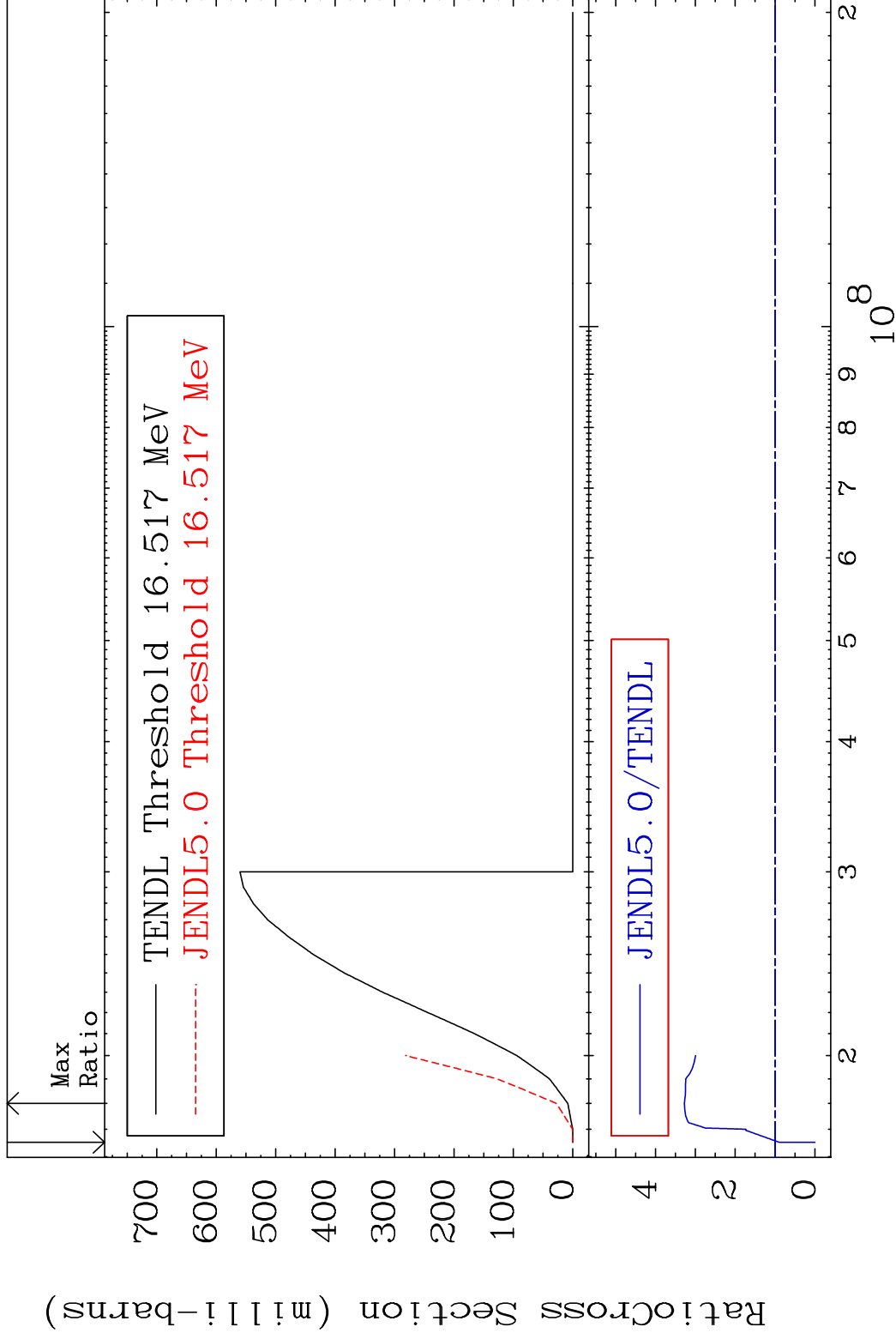
48-Cd-112

MAT 4843

(n,3n)

48-Cd-112

Cross Section -100.0 To 227.7 %

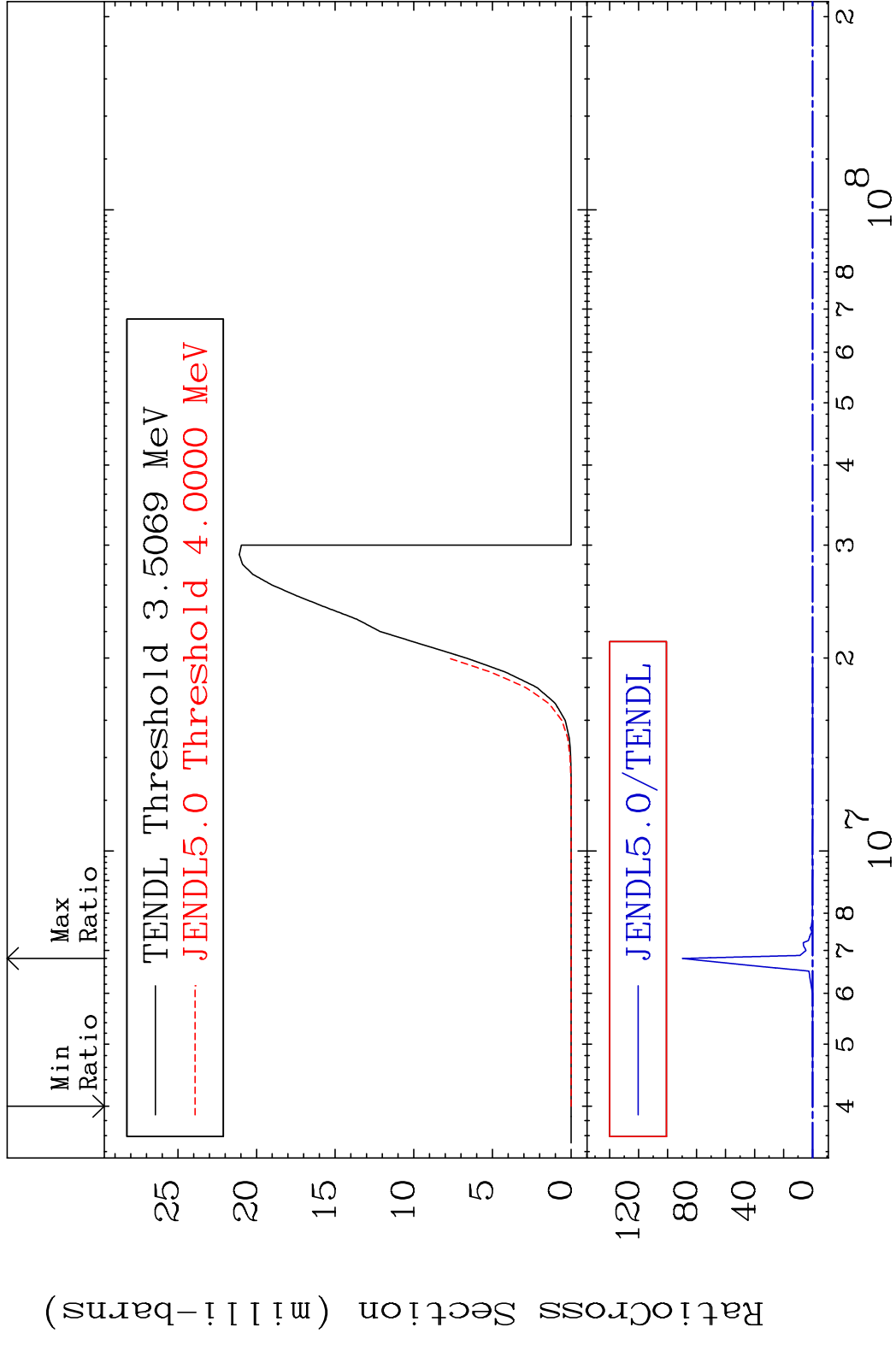


5

Incident Energy (eV)

48-Cd-112

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

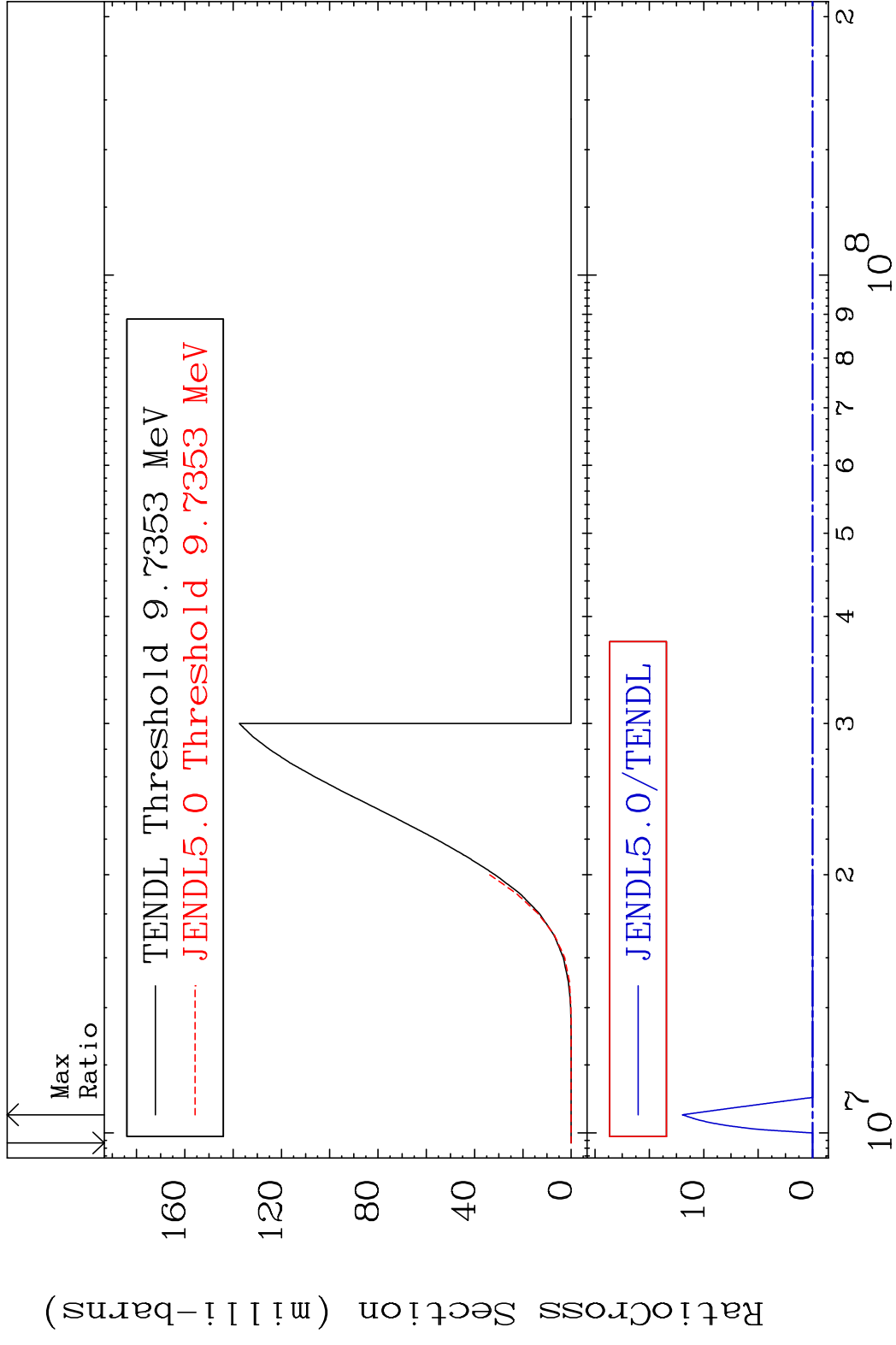


MAT 4843

(n, n') p

48-Cd-112

Cross Section -100.0 To 9999. %



48-Cd-112

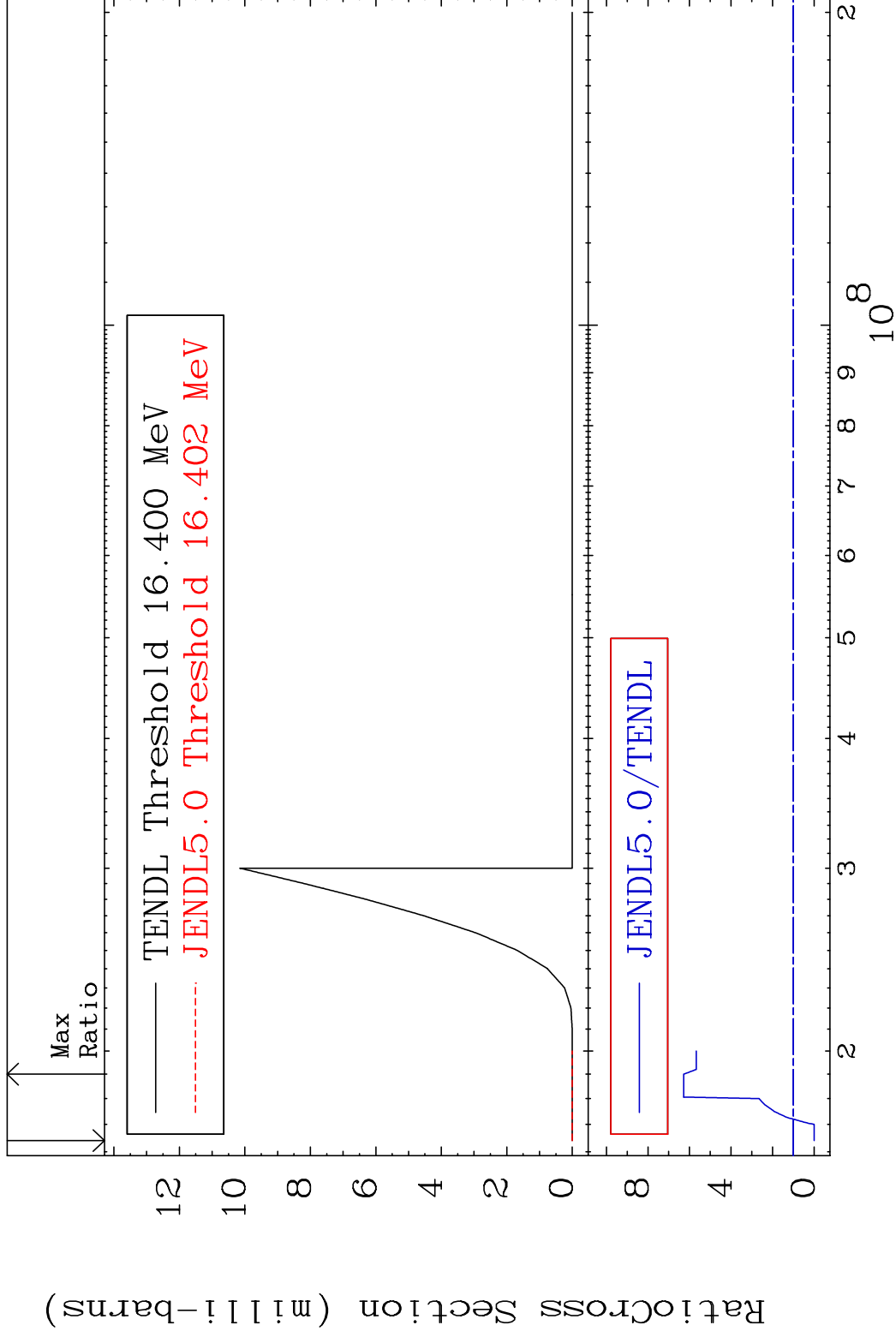
Incident Energy (eV)

MAT 4843

(n, n') d

48-Cd-112

Cross Section -100.0 To 528.1 %

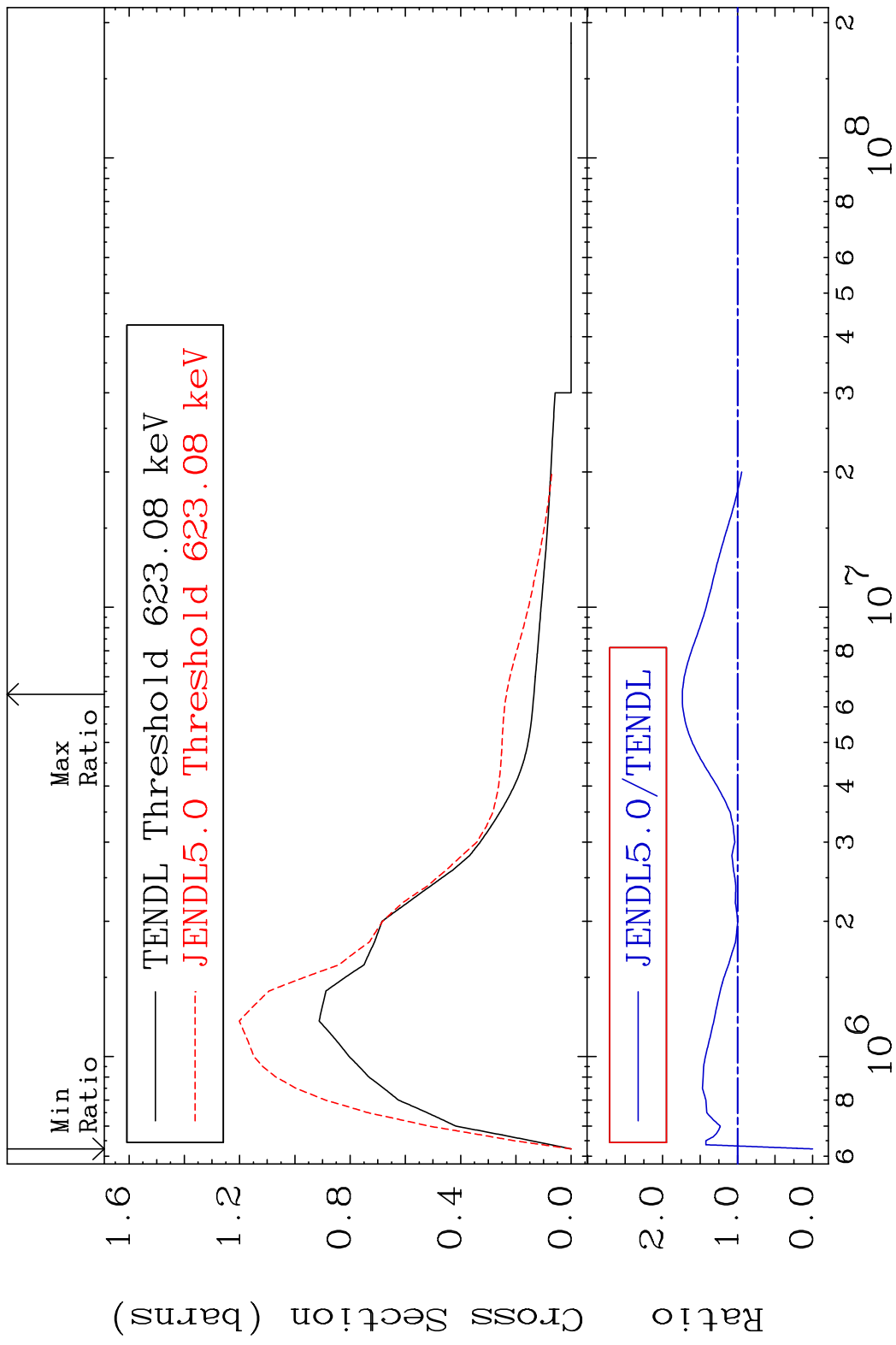


8

Incident Energy (eV)

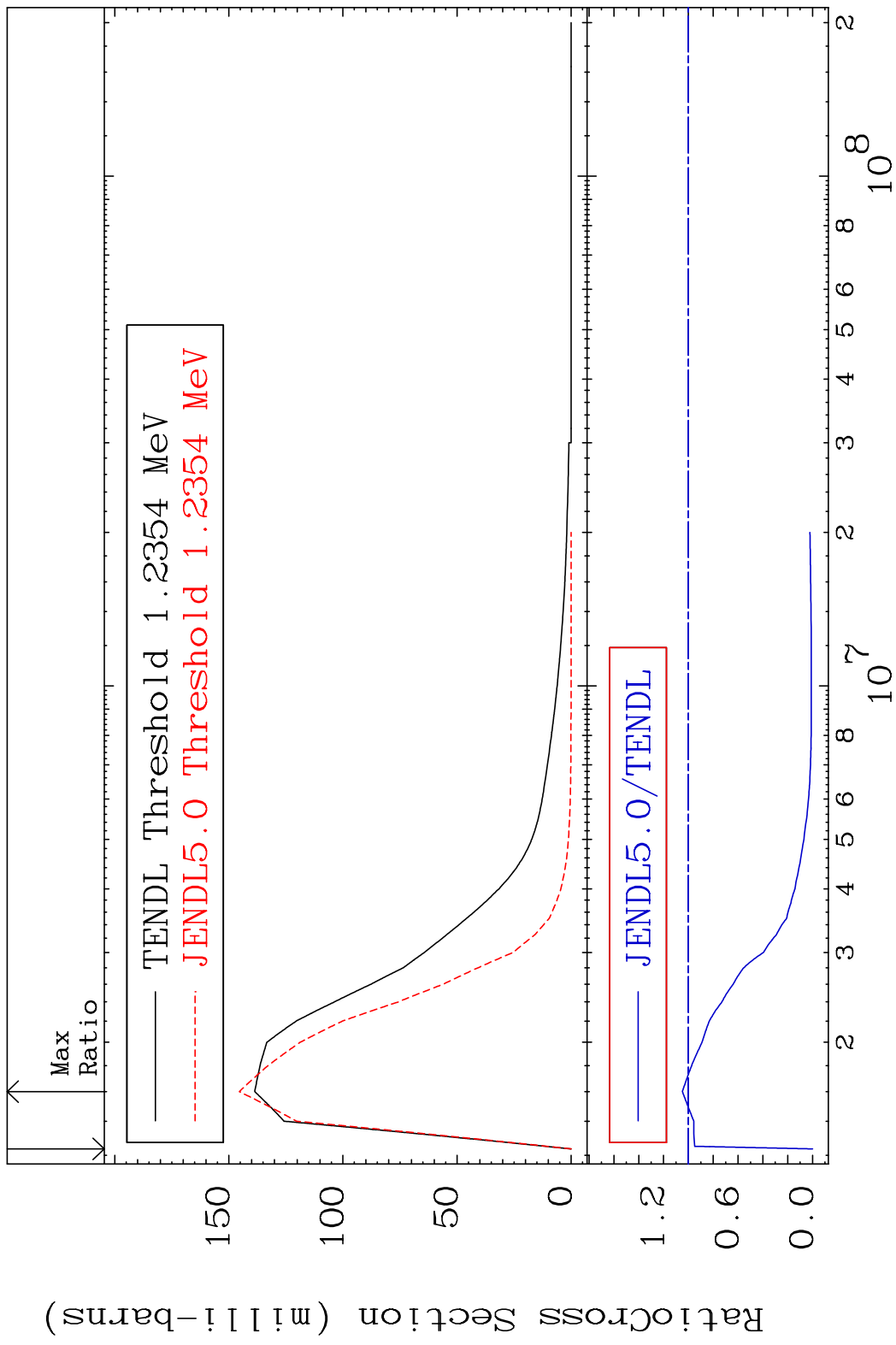
48-Cd-112

MAT 4843 MT= 51 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 73.66 %



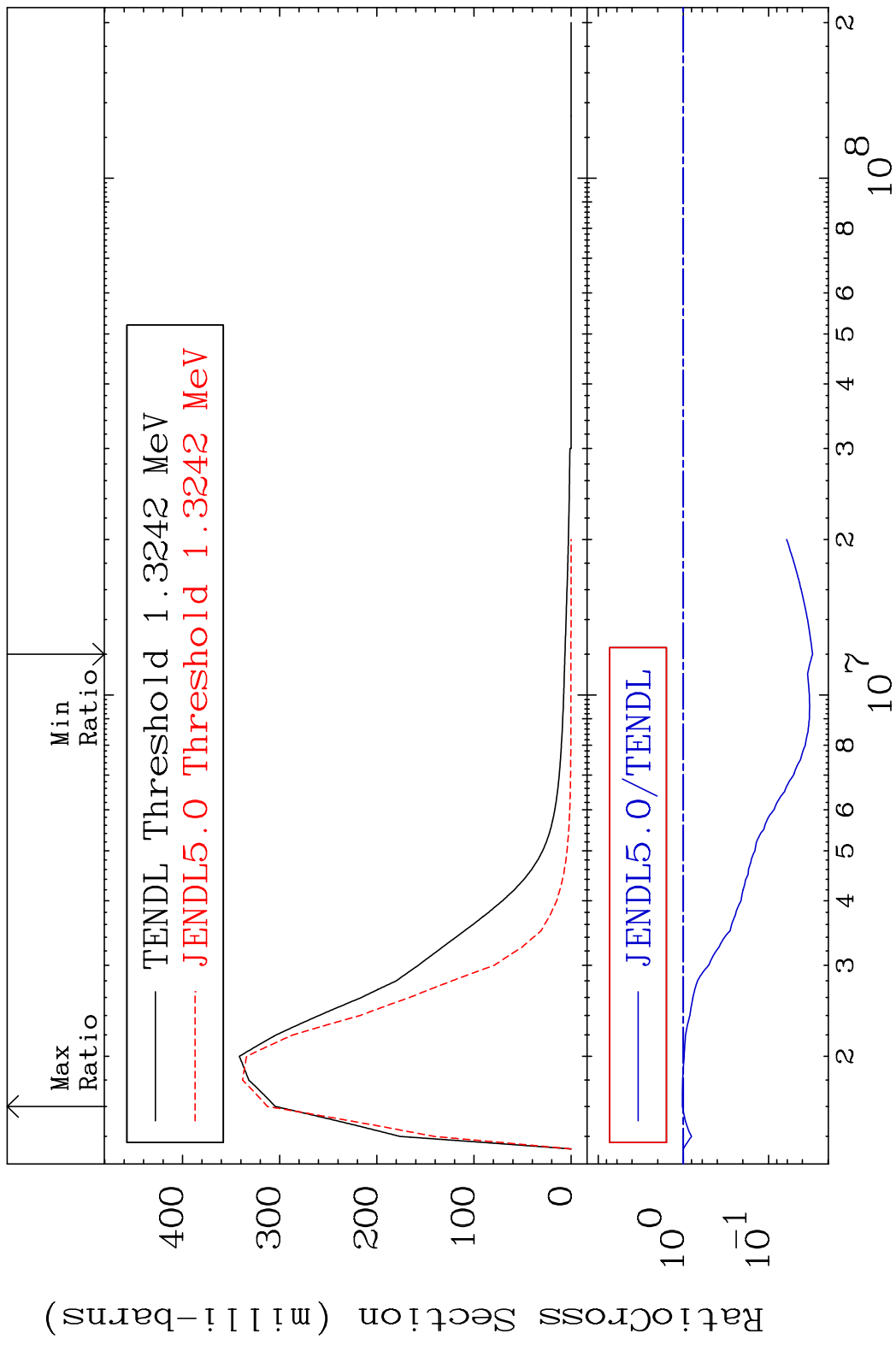
9 Incident Energy (eV) 48-Cd-112

MAT 4843 MT= 52 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 4.869 %

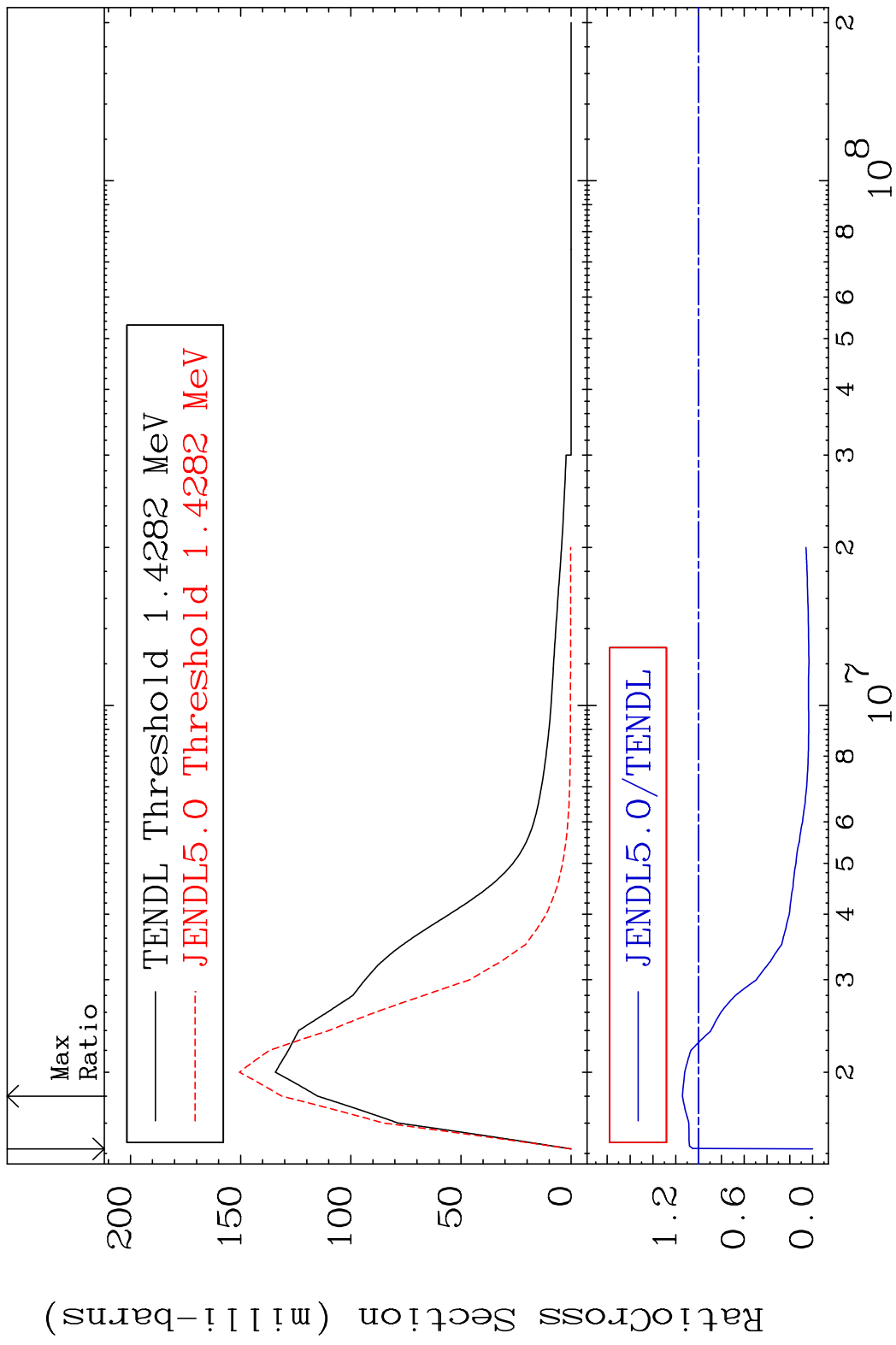


10 Incident Energy (eV) 48-Cd-112

MAT 4843 MT= 53 (n, n') Level 48-Cd-112
 Cross Section -96.96 To 2.663 %



MAT 4843 MT= 54 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 14.15 %

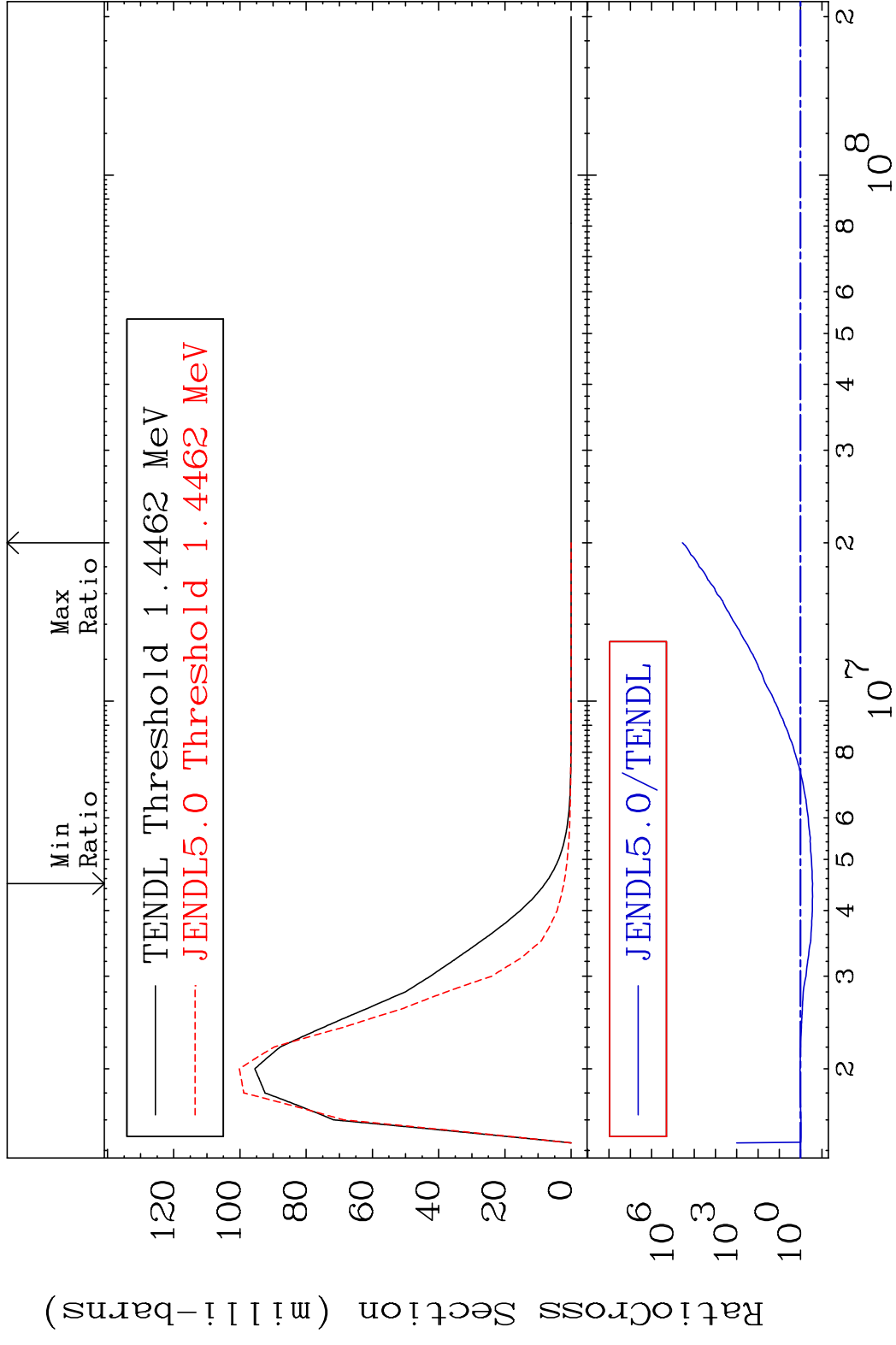


MAT 4843

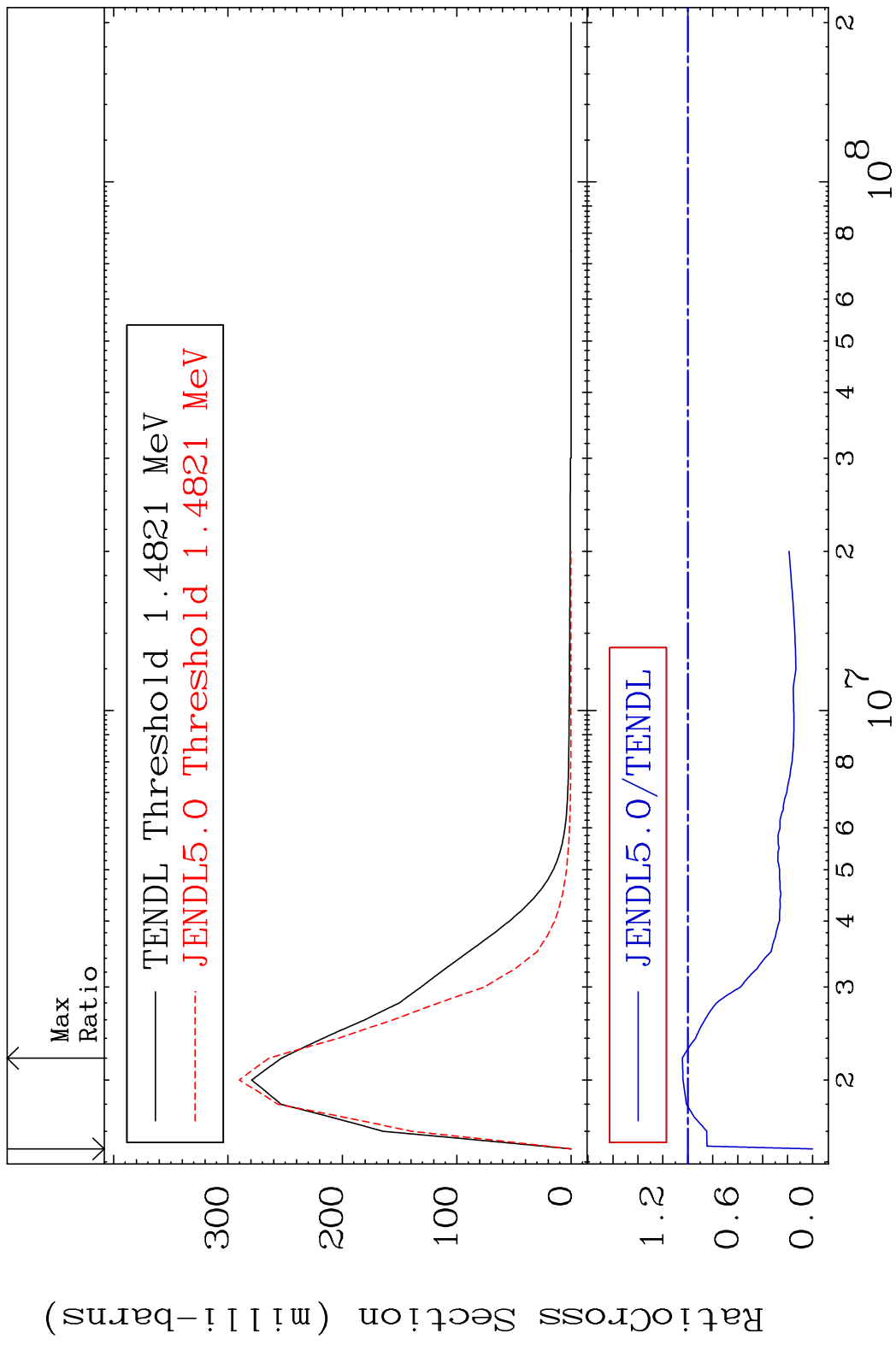
MT= 55 (n, n') Level

48-Cd-112

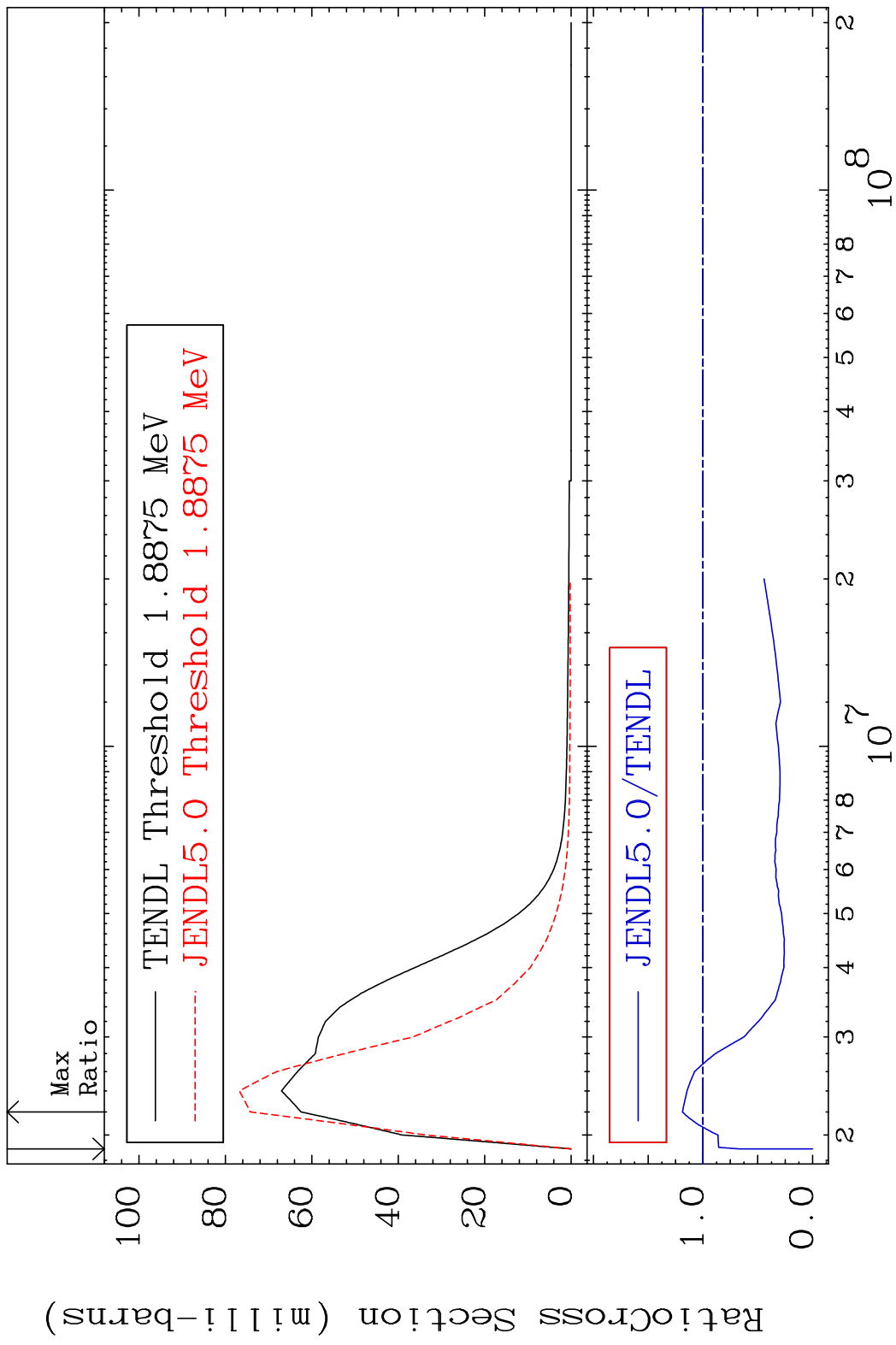
Cross Section -72.53 To 9999. %



MAT 4843 MT= 56 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 4.373 %

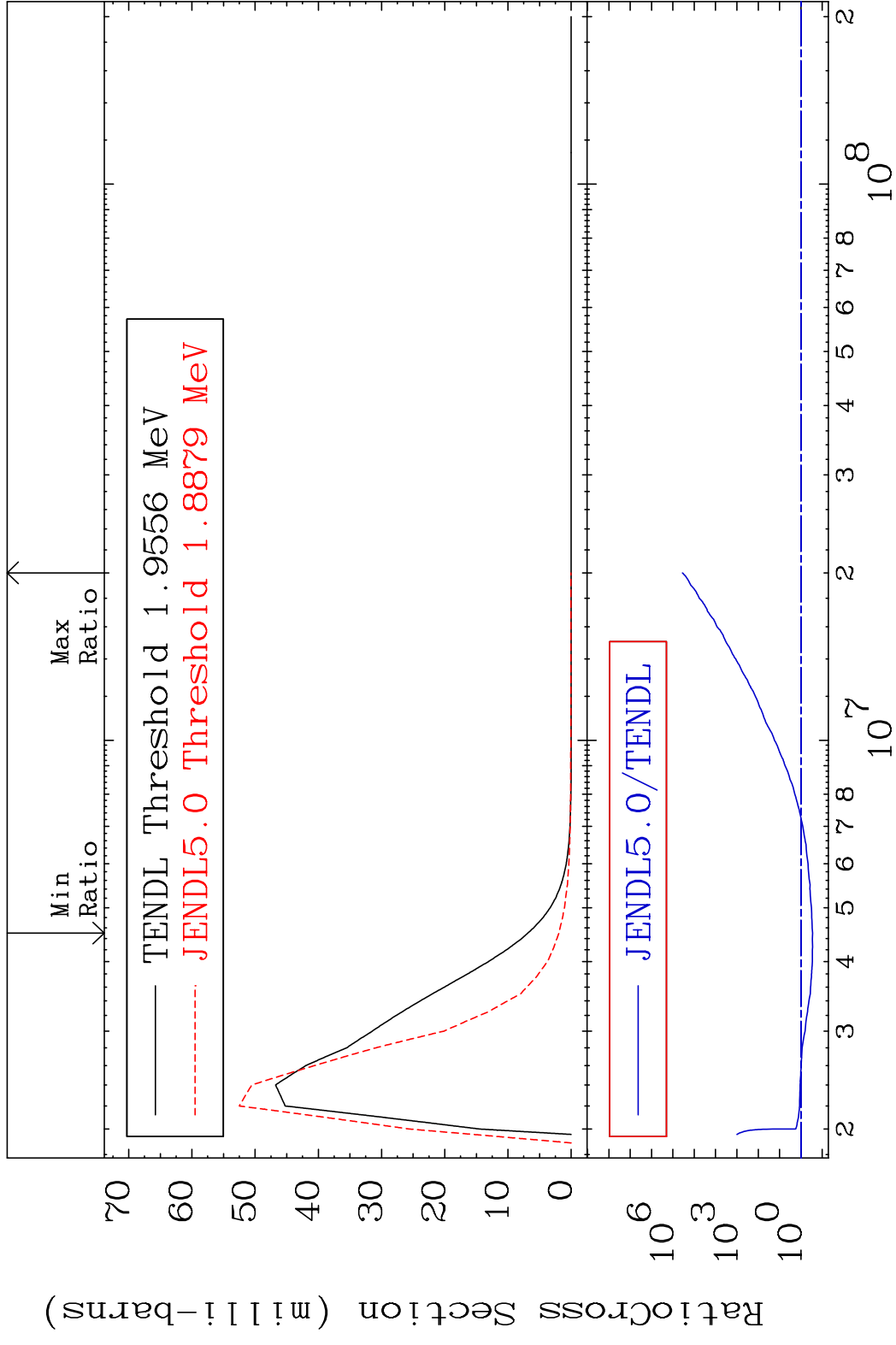


MAT 4843 MT= 57 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 18.79 %

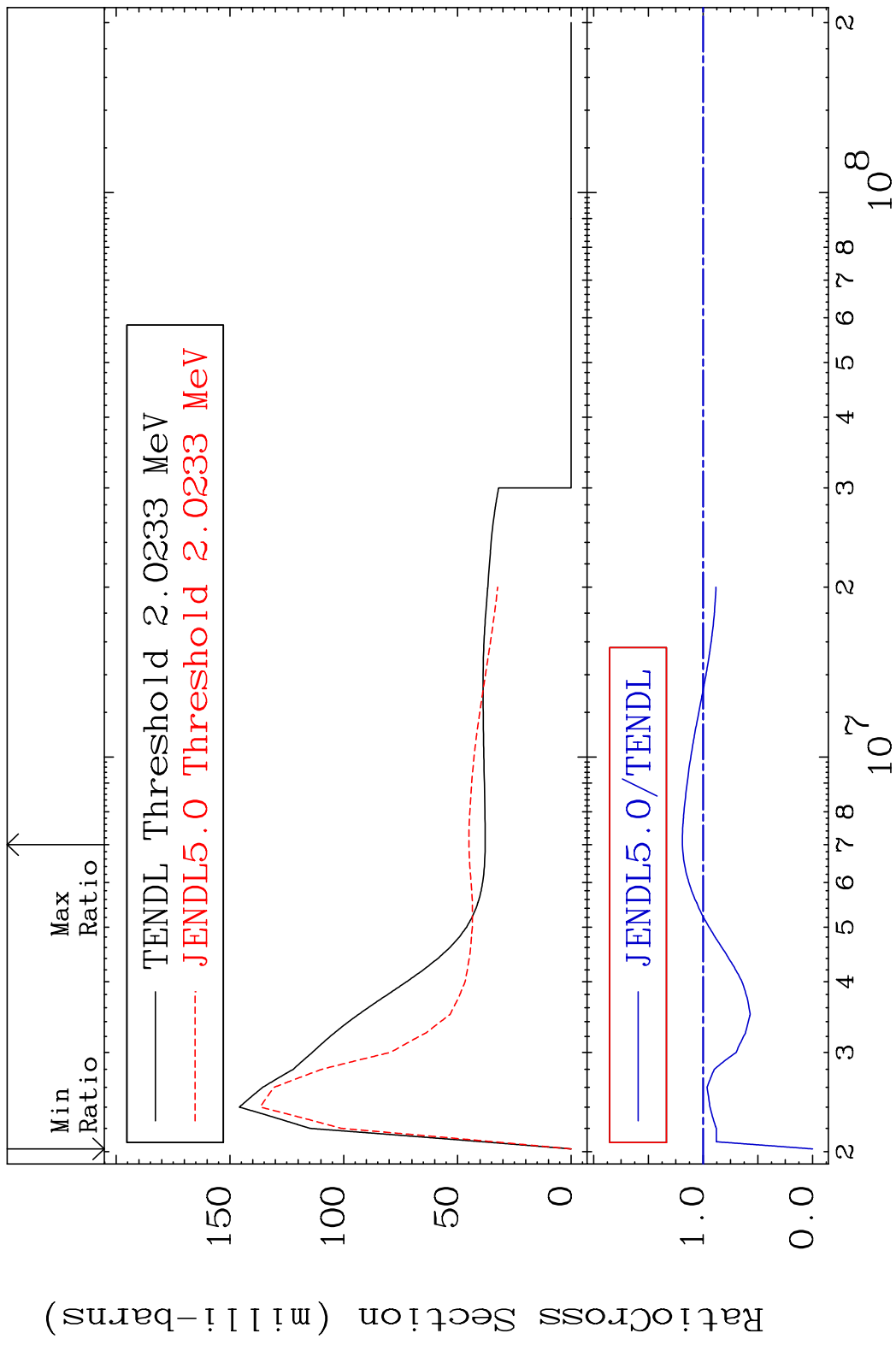


15 48-Cd-112

MAT 4843 MT= 58 (n, n') Level 48-Cd-112
 Cross Section -71.64 To 9999. %

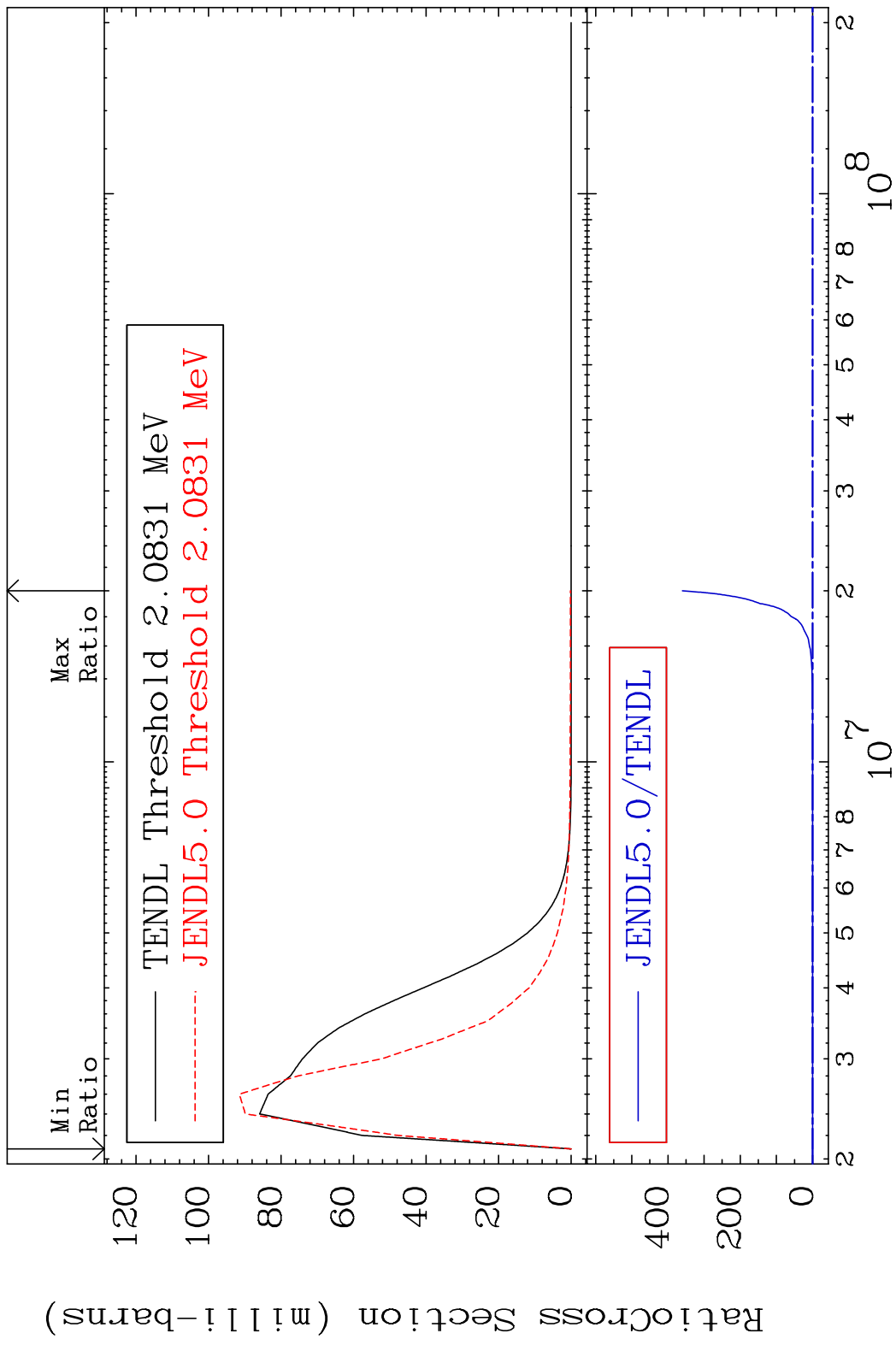


MAT 4843 MT= 59 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 18.93 %

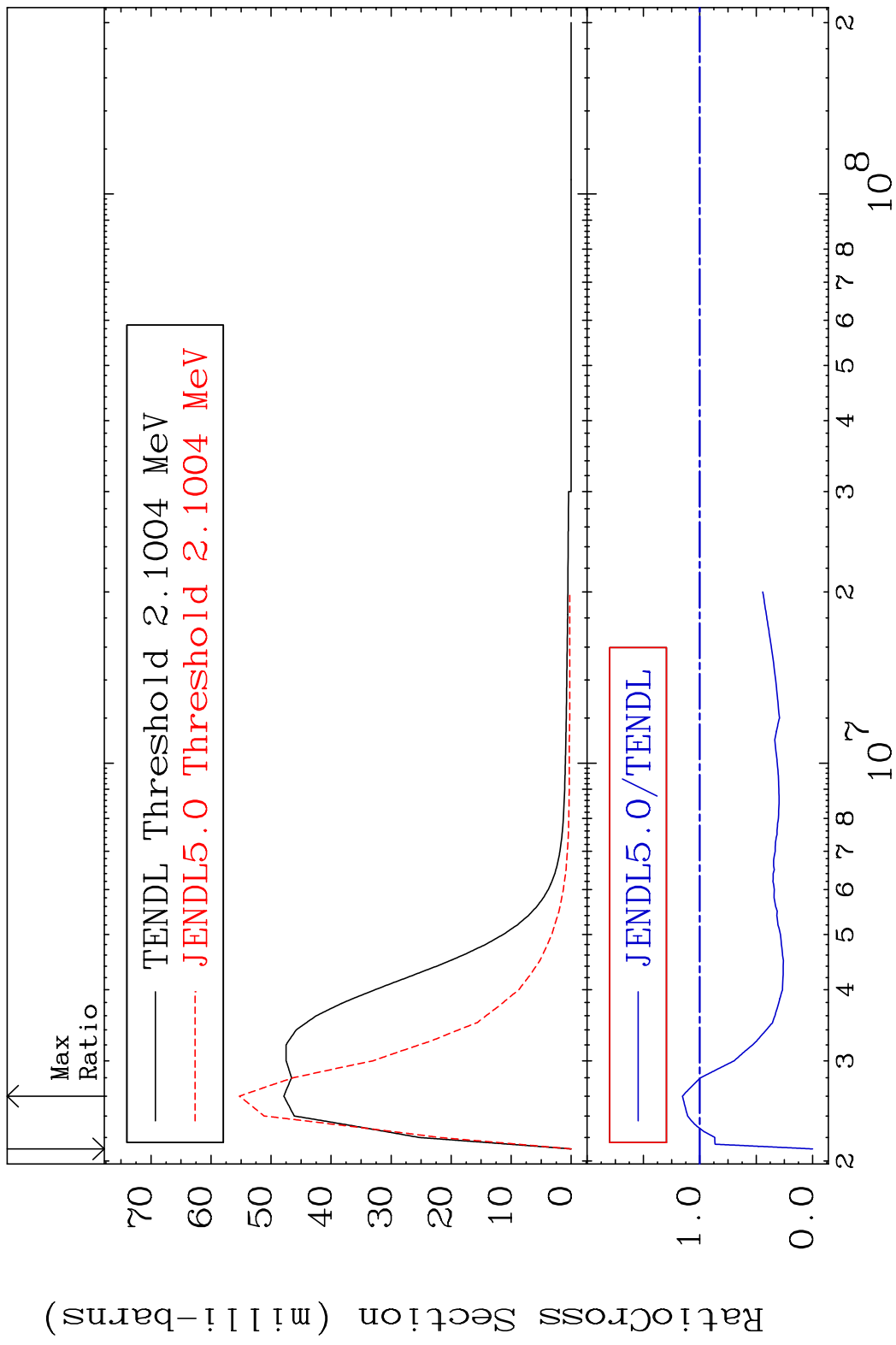


17 17 Incident Energy (eV) 48-Cd-112

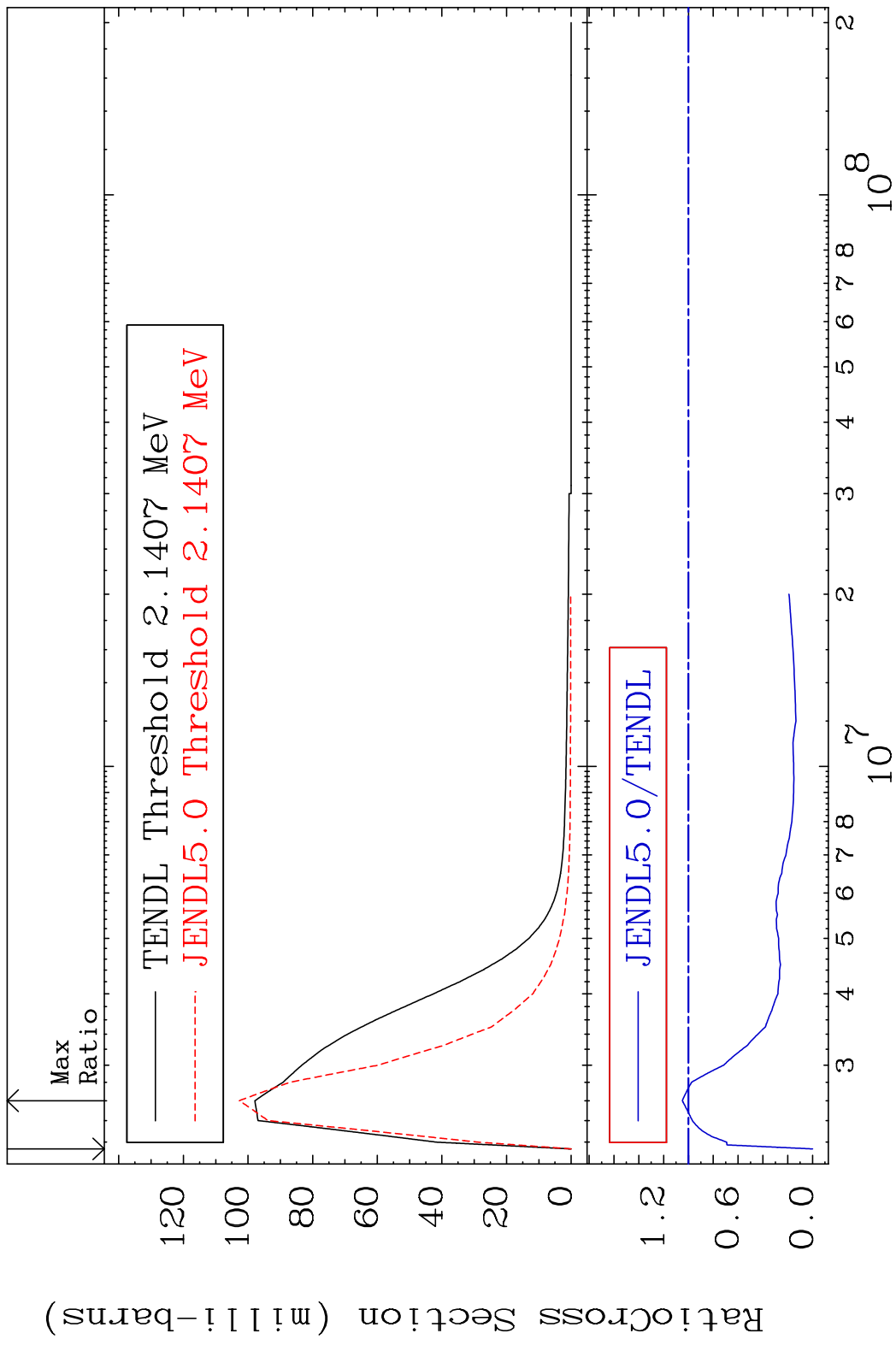
MAT 4843 MT= 60 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 9999. %



MAT 4843 MT= 61 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 15.48 %

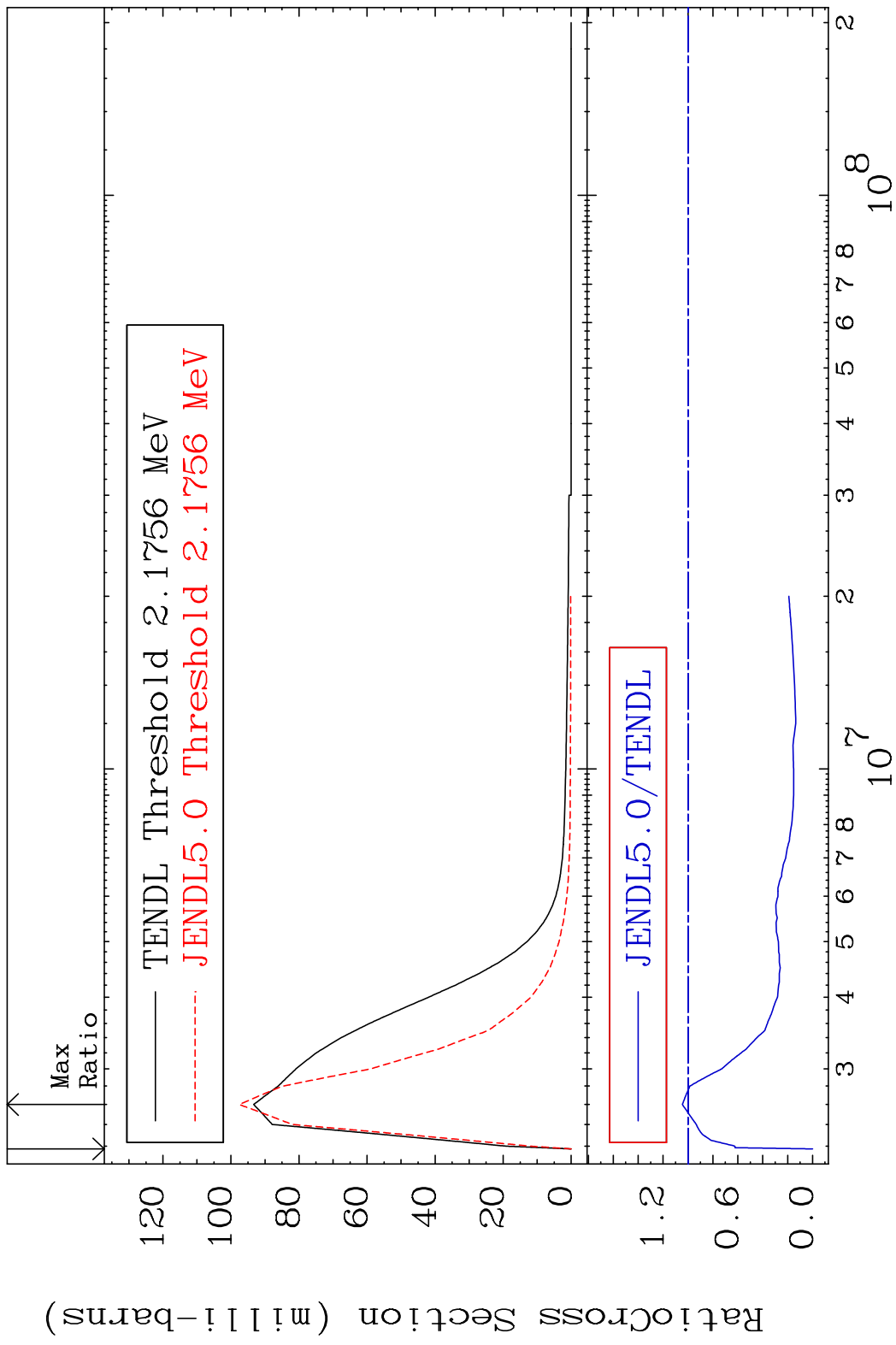


MAT 4843 MT= 62 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 4.906 %

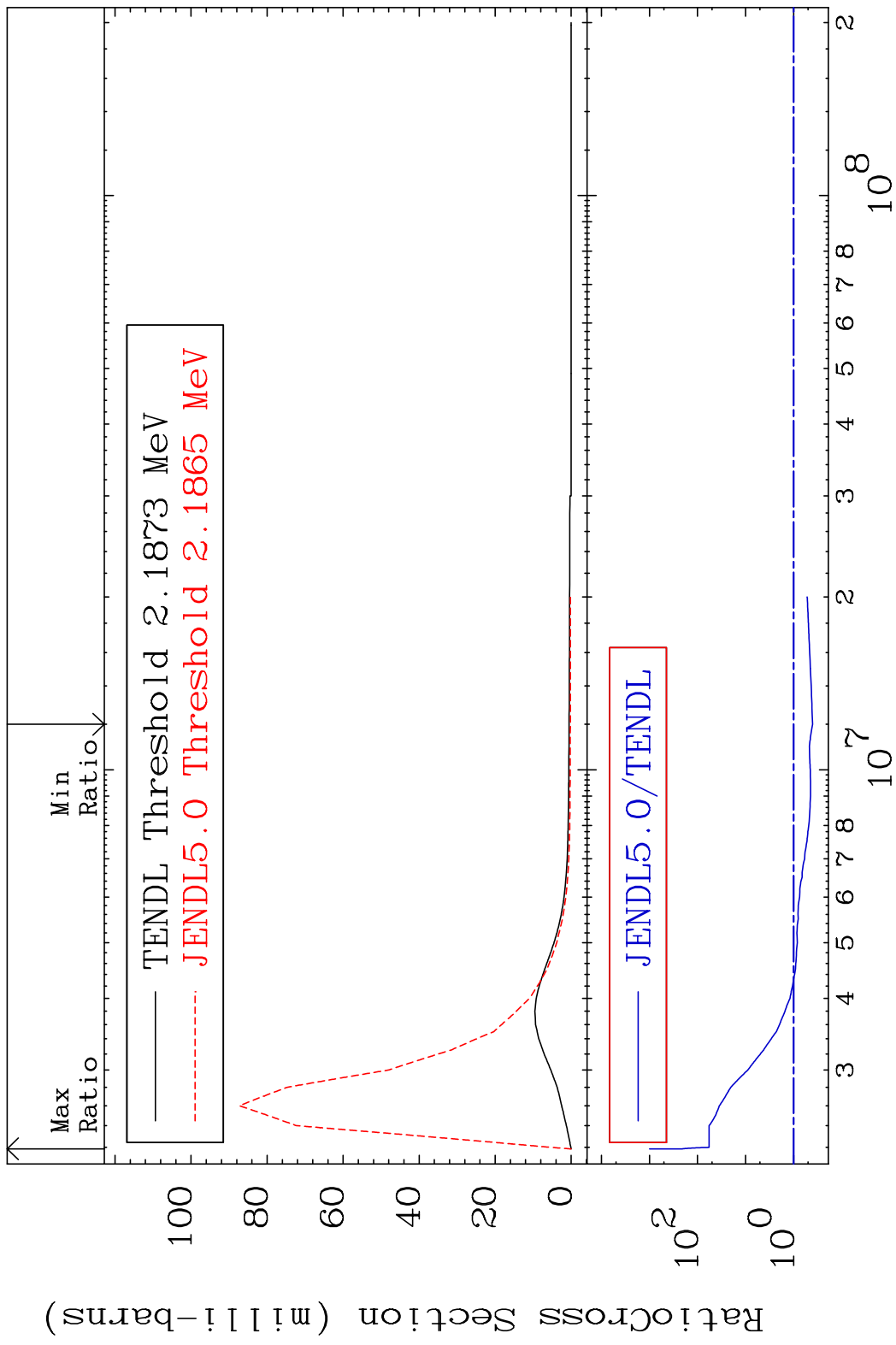


20 48-Cd-112

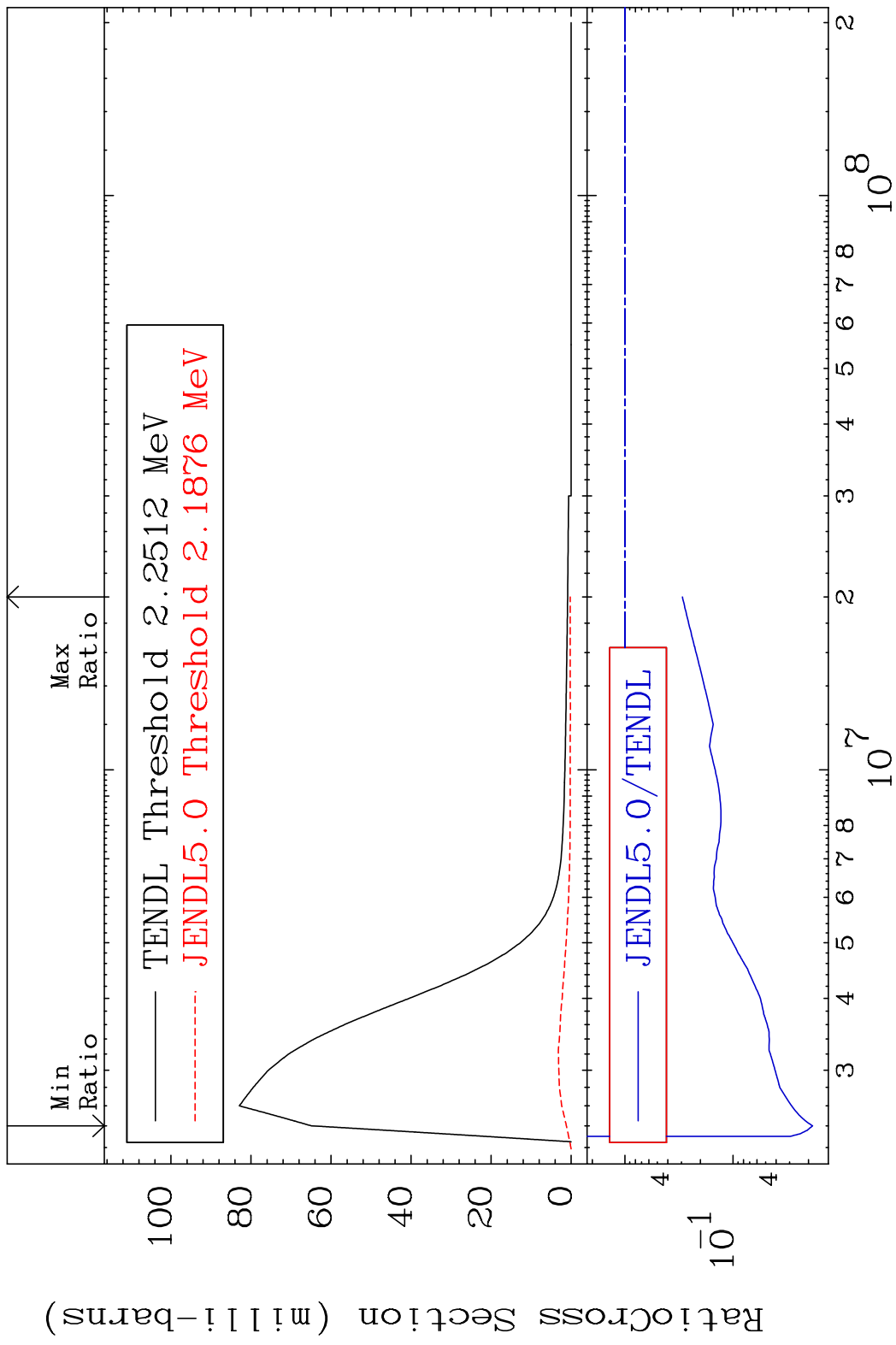
MAT 4843 MT= 63 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 4.529 %



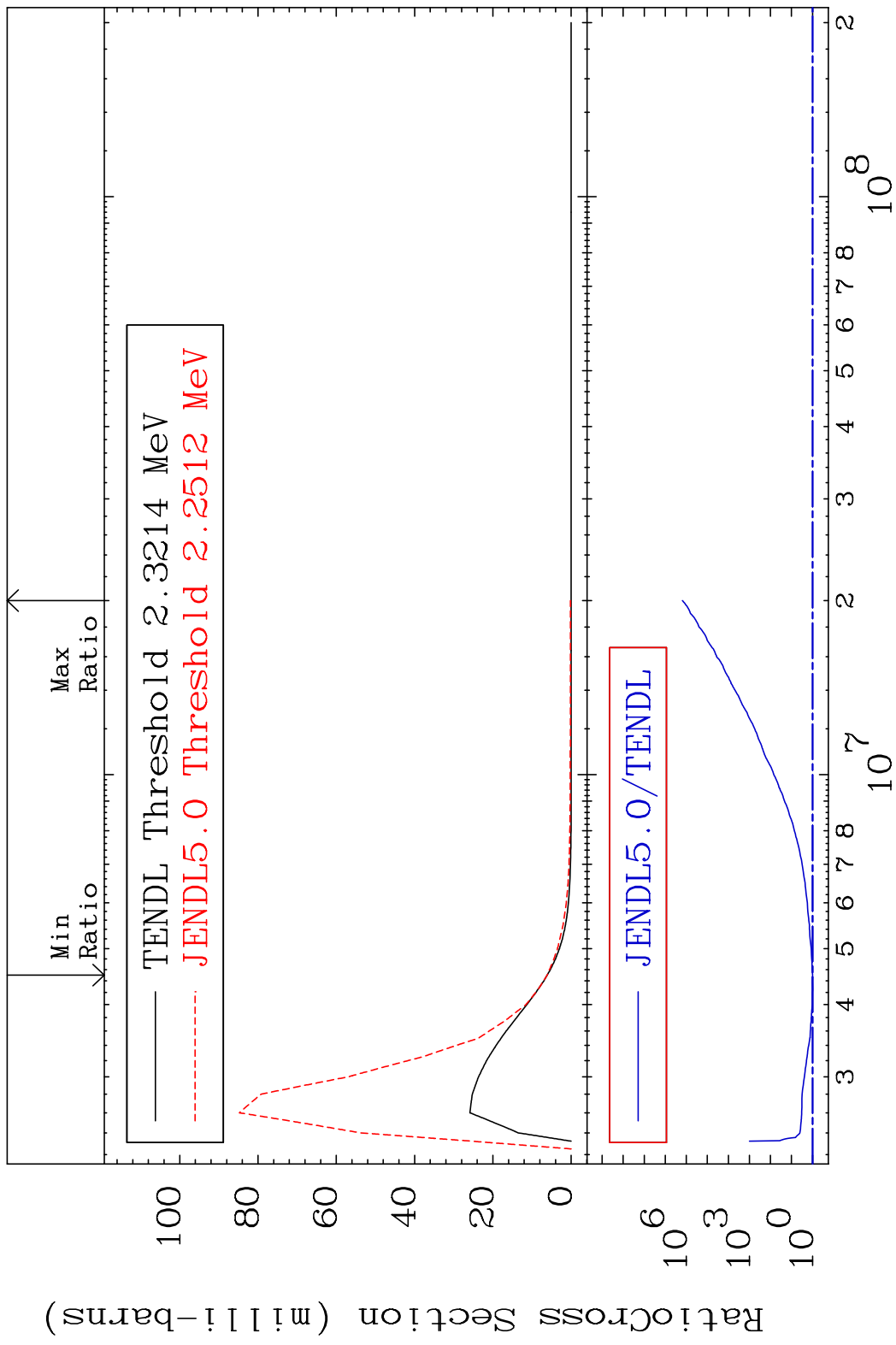
MAT 4843 MT= 64 (n,n') Level 48-Cd-112
 Cross Section -59.71 To 9999. %



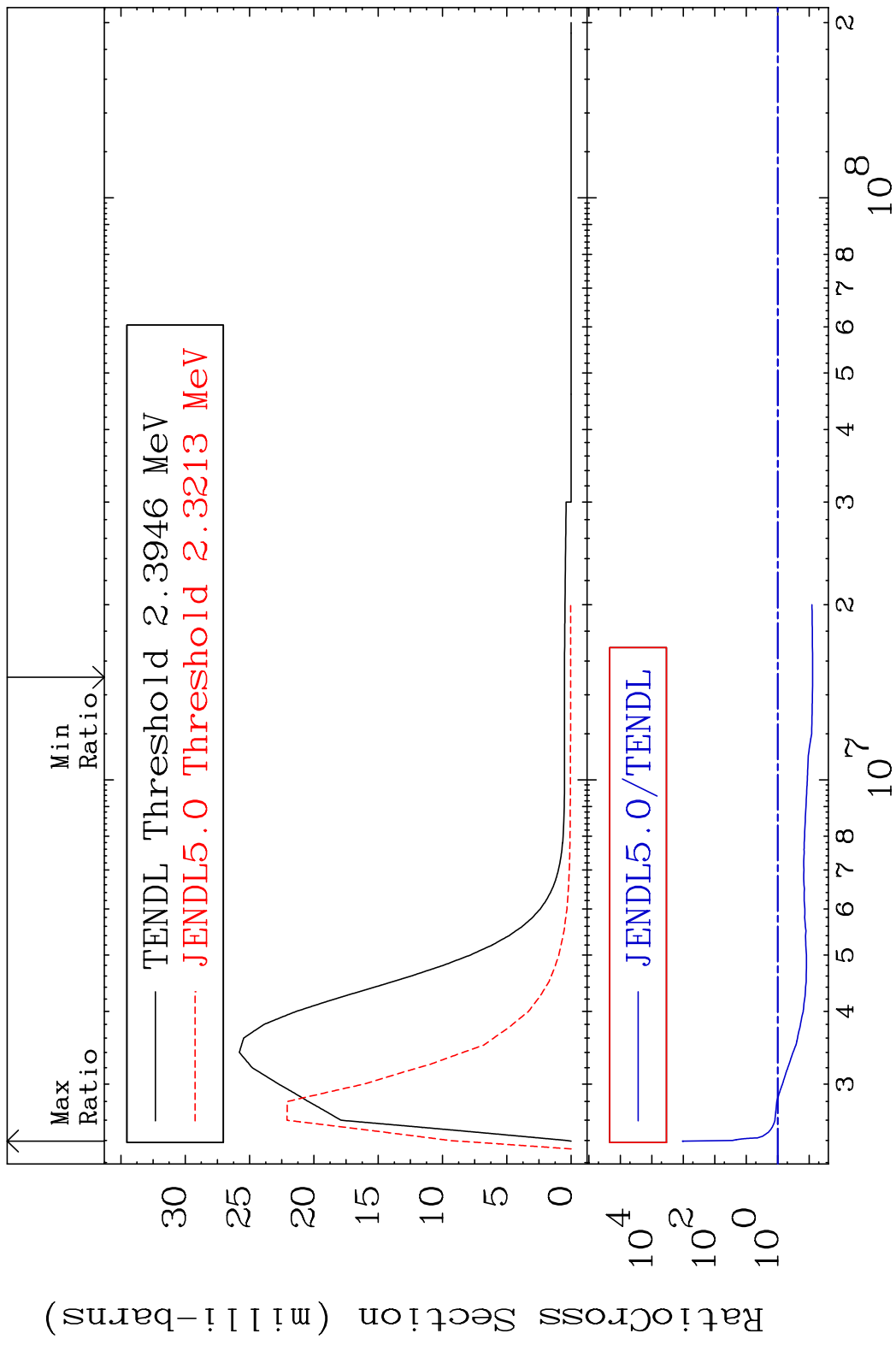
MAT 4843 MT= 65 (n, n') Level 48-Cd-112
 Cross Section -98.16 To -70.61%



MAT 4843 MT= 66 (n, n') Level 48-Cd-112
 Cross Section -0.403 To 9999. %

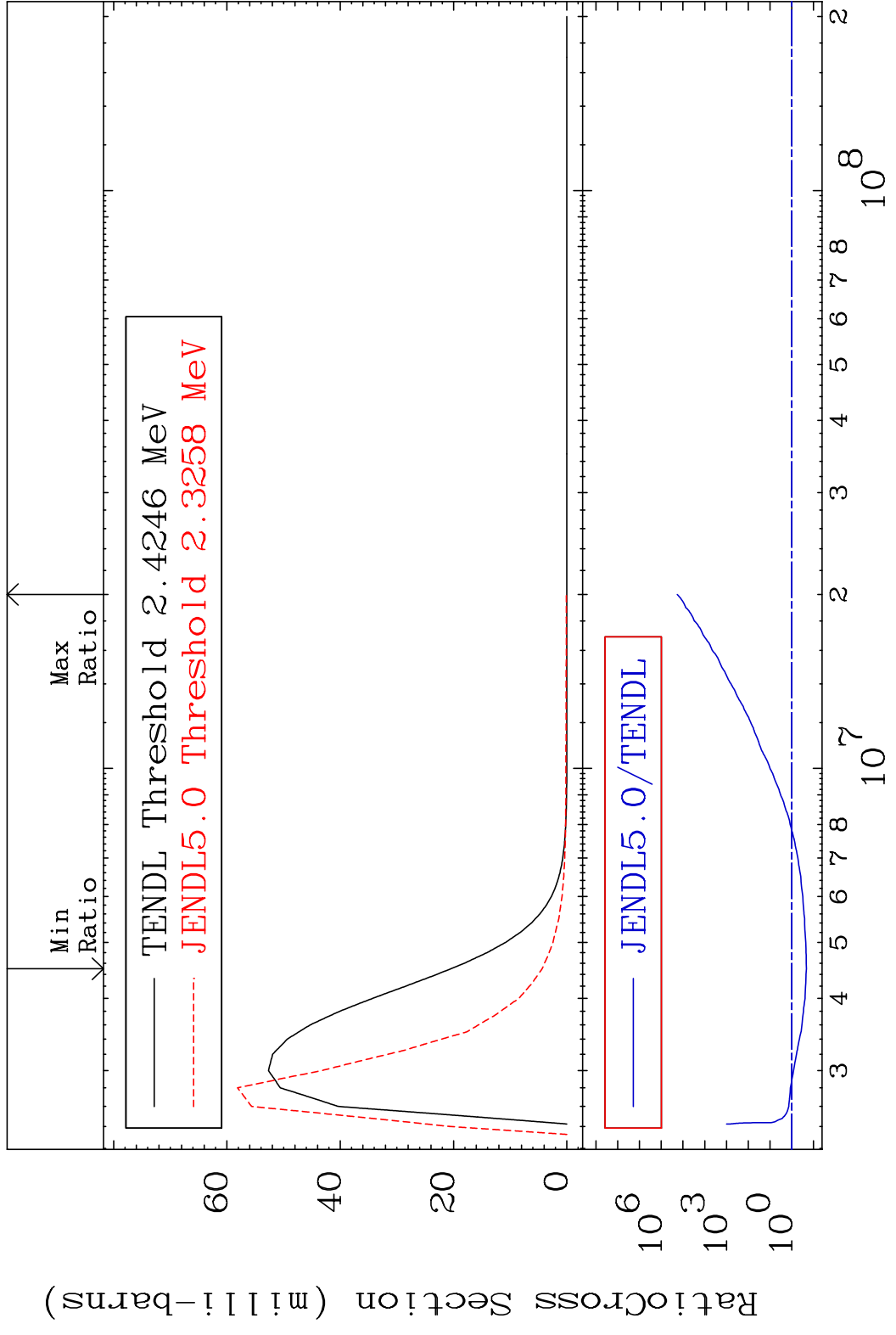


MAT 4843 MT= 67 (n,n') Level 48-Cd-112
 Cross Section -92.15 To 9999. %

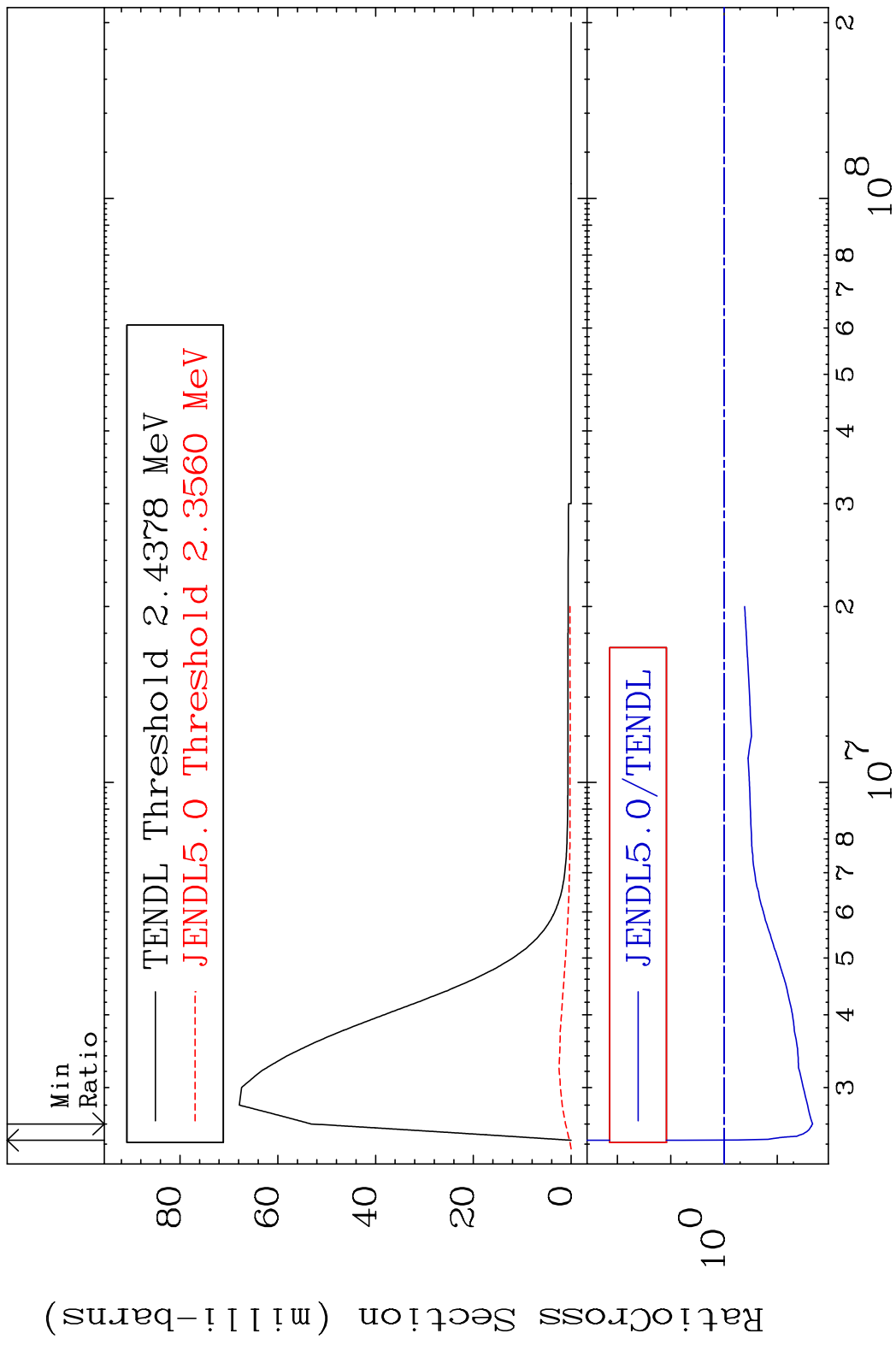


25 Incident Energy (eV) 48-Cd-112

MAT 4843 MT= 68 (n, n') Level 48-Cd-112
 Cross Section -78.69 To 9999. %

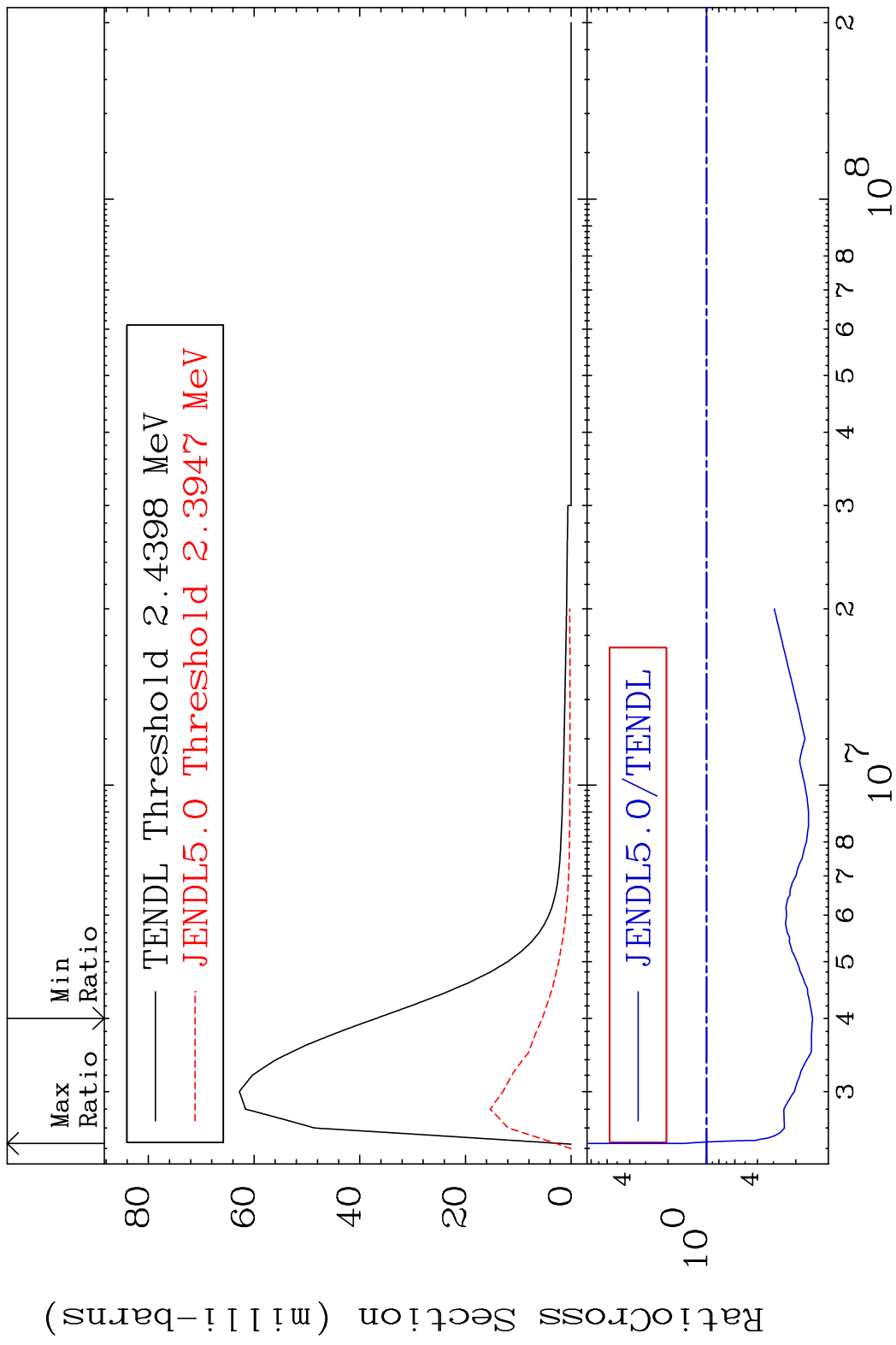


MAT 4843 MT= 69 (n,n') Level 48-Cd-112
 Cross Section -97.81 To 504.7 %

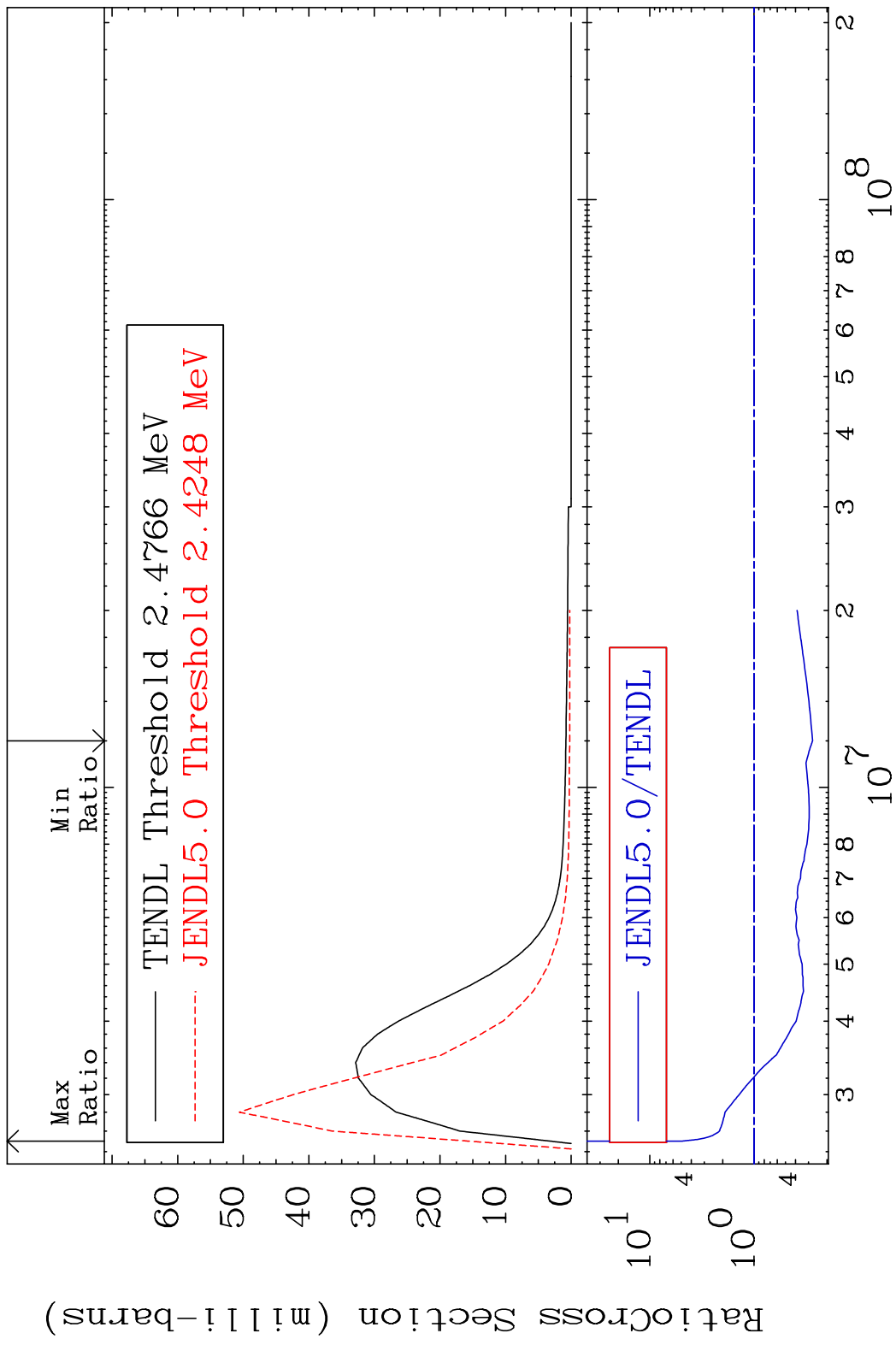


27 Incident Energy (eV) 48-Cd-112

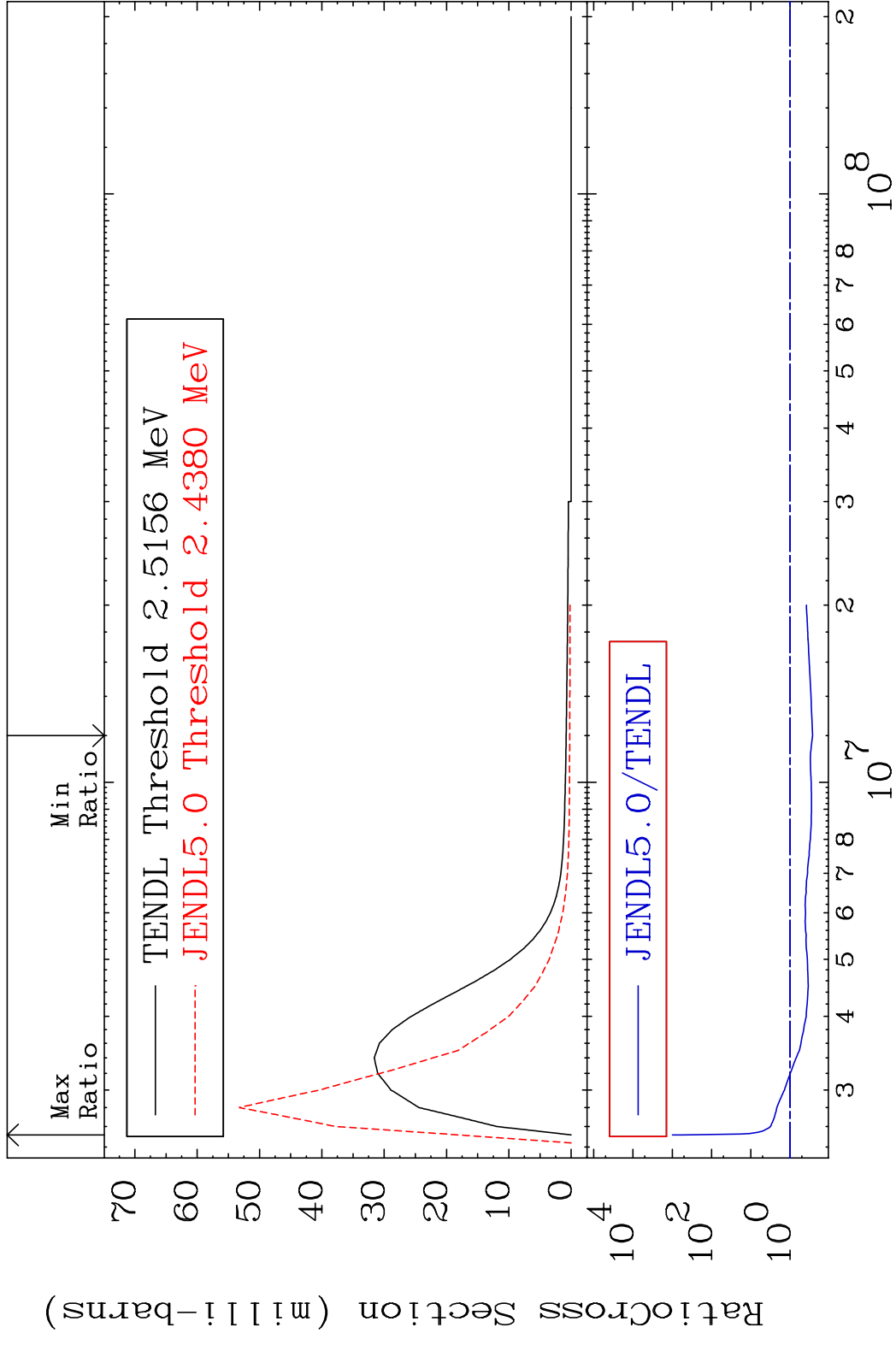
MAT 4843 MT= 70 (n,n') Level 48-Cd-112
 Cross Section -85.21 To 54.64 %



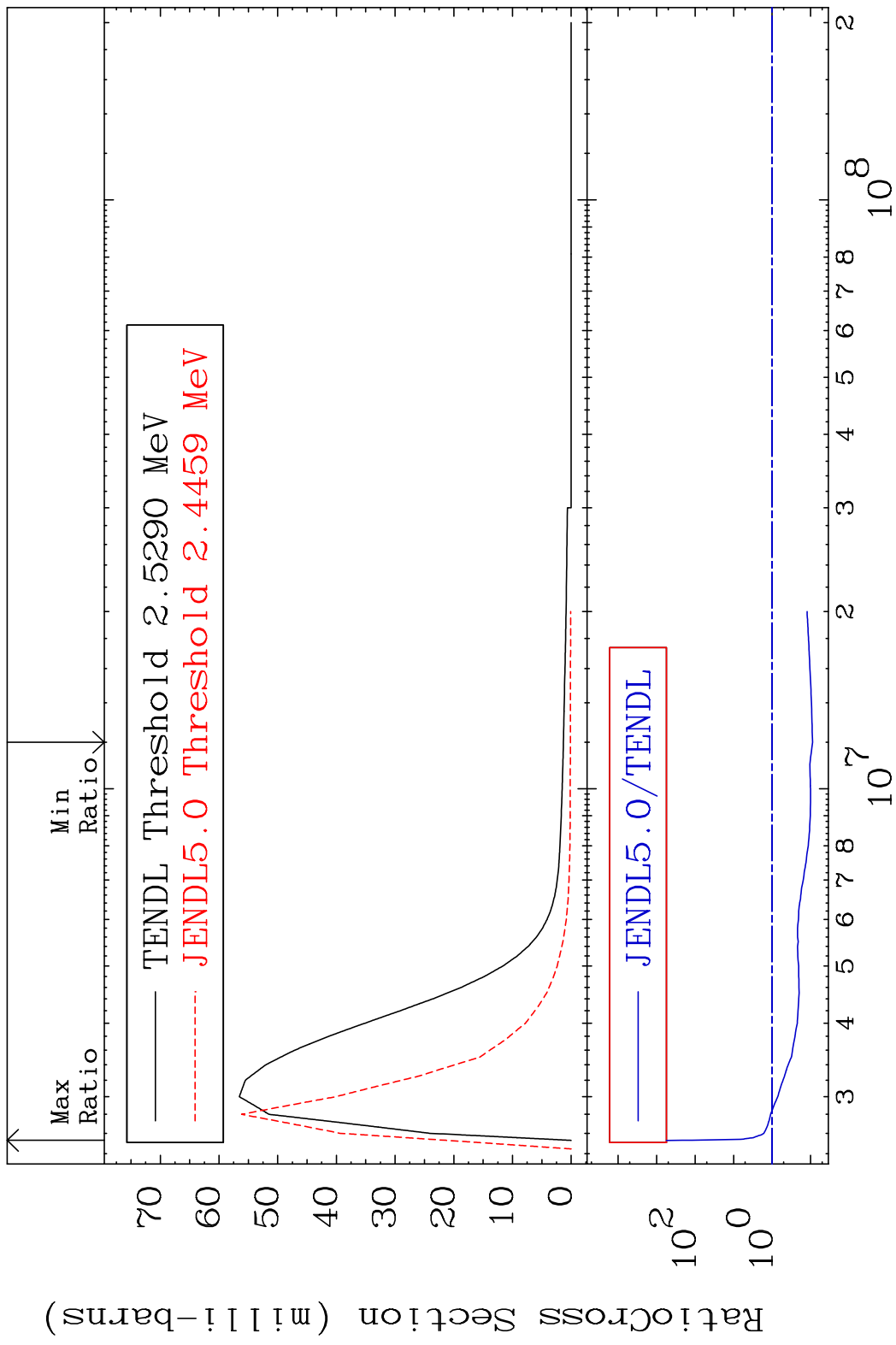
MAT 4843 MT= 71 (n,n') Level 48-Cd-112
 Cross Section -72.52 To 387.2 %



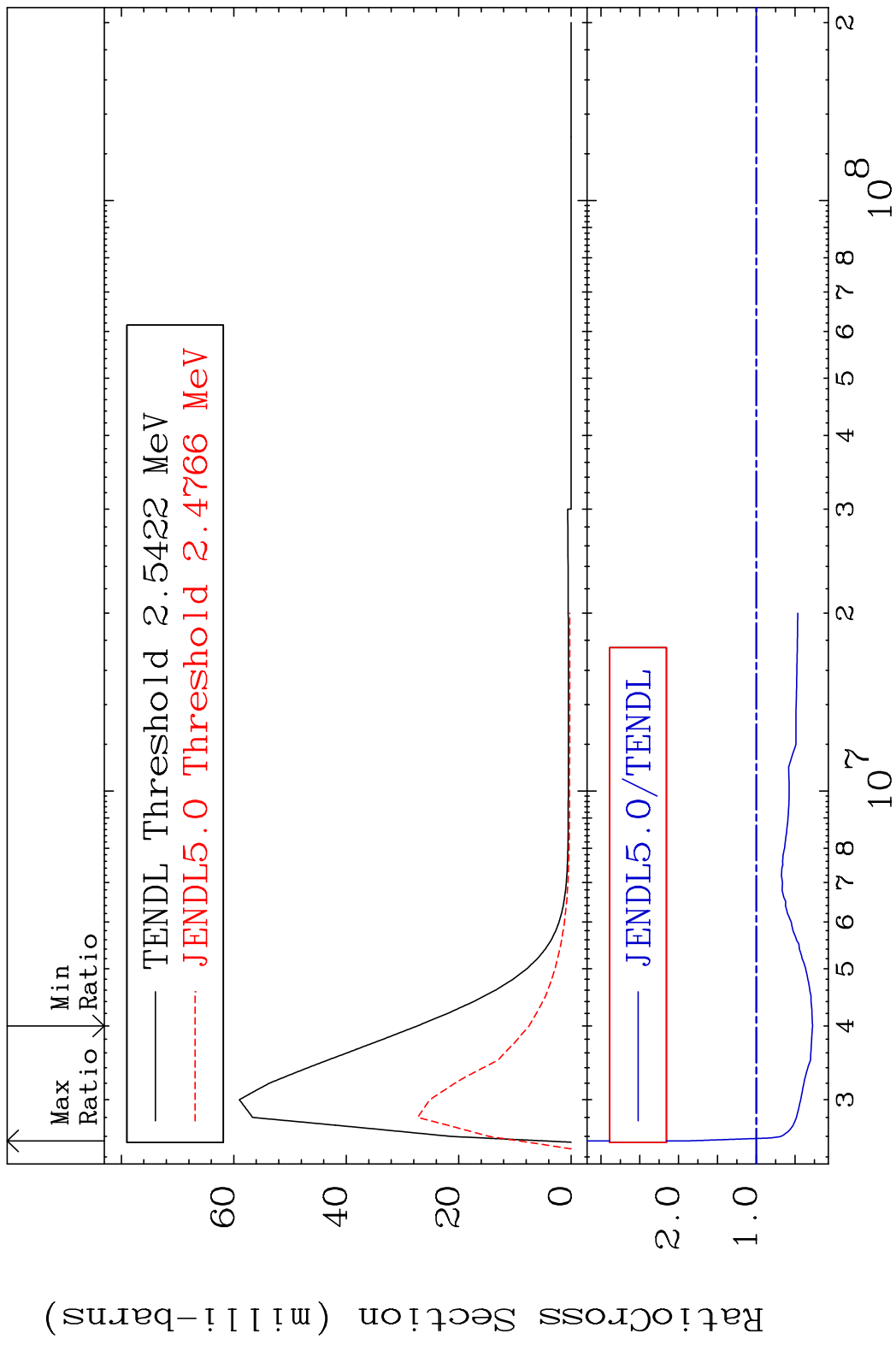
MAT 4843 MT= 72 (n,n') Level 48-Cd-112
 Cross Section -73.14 To 9999. %



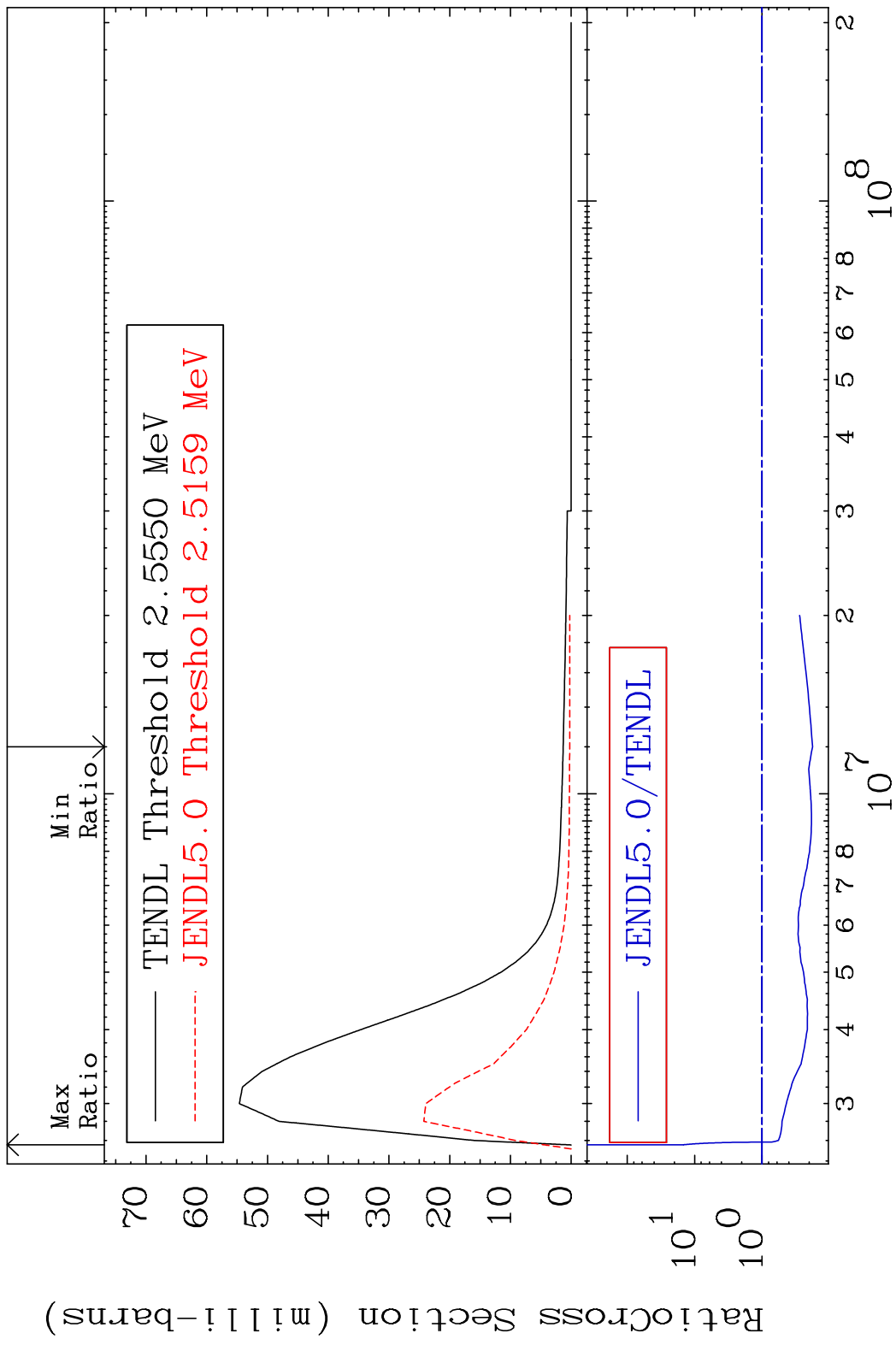
MAT 4843 MT= 73 (n,n') Level 48-Cd-112
 Cross Section -91.13 To 9999. %



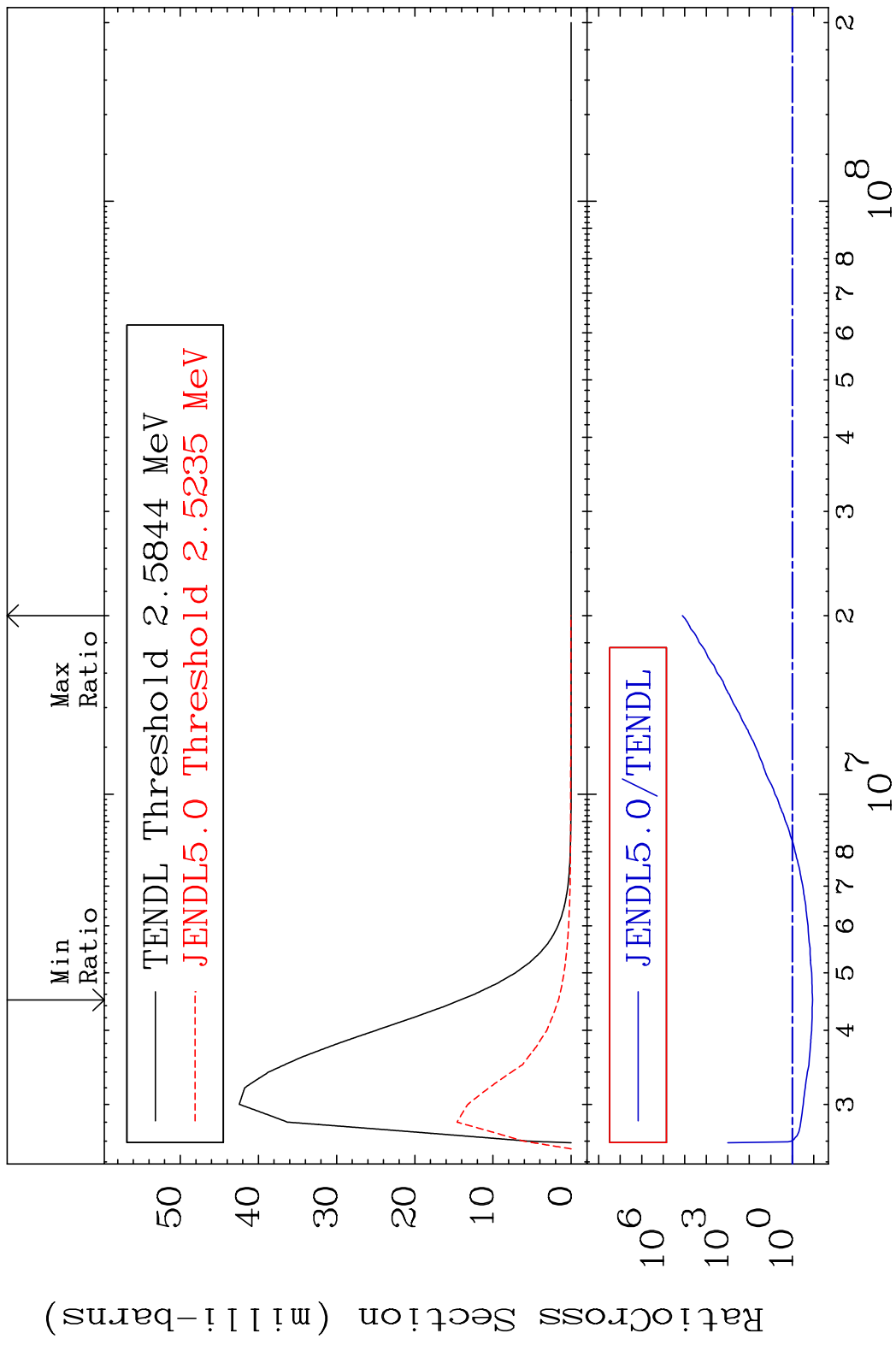
MAT 4843 MT= 74 (n,n') Level 48-Cd-112
 Cross Section -72.62 To 95.16 %



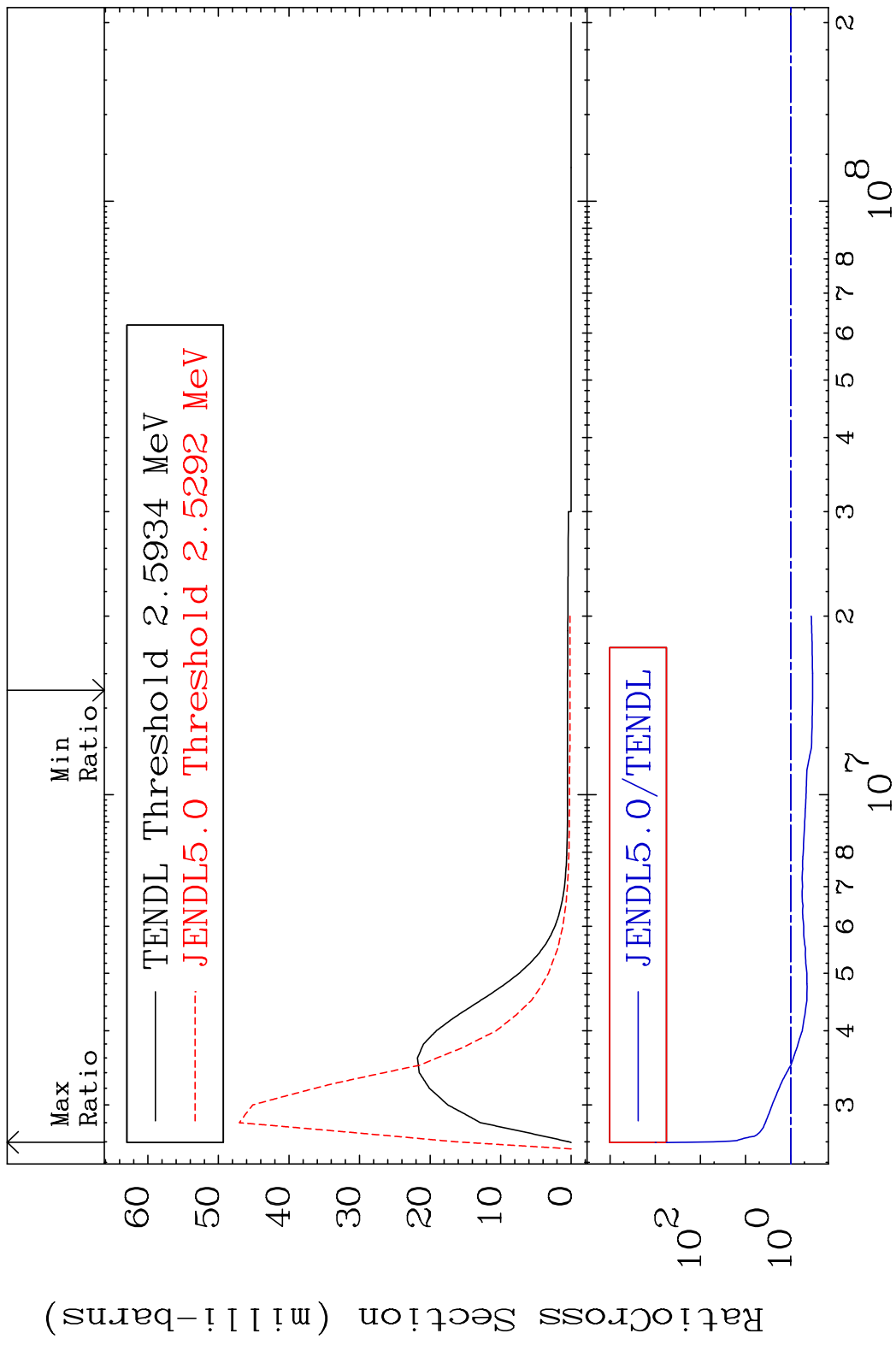
MAT 4843 MT= 75 (n,n') Level 48-Cd-112
 Cross Section -82.14 To 1420. %



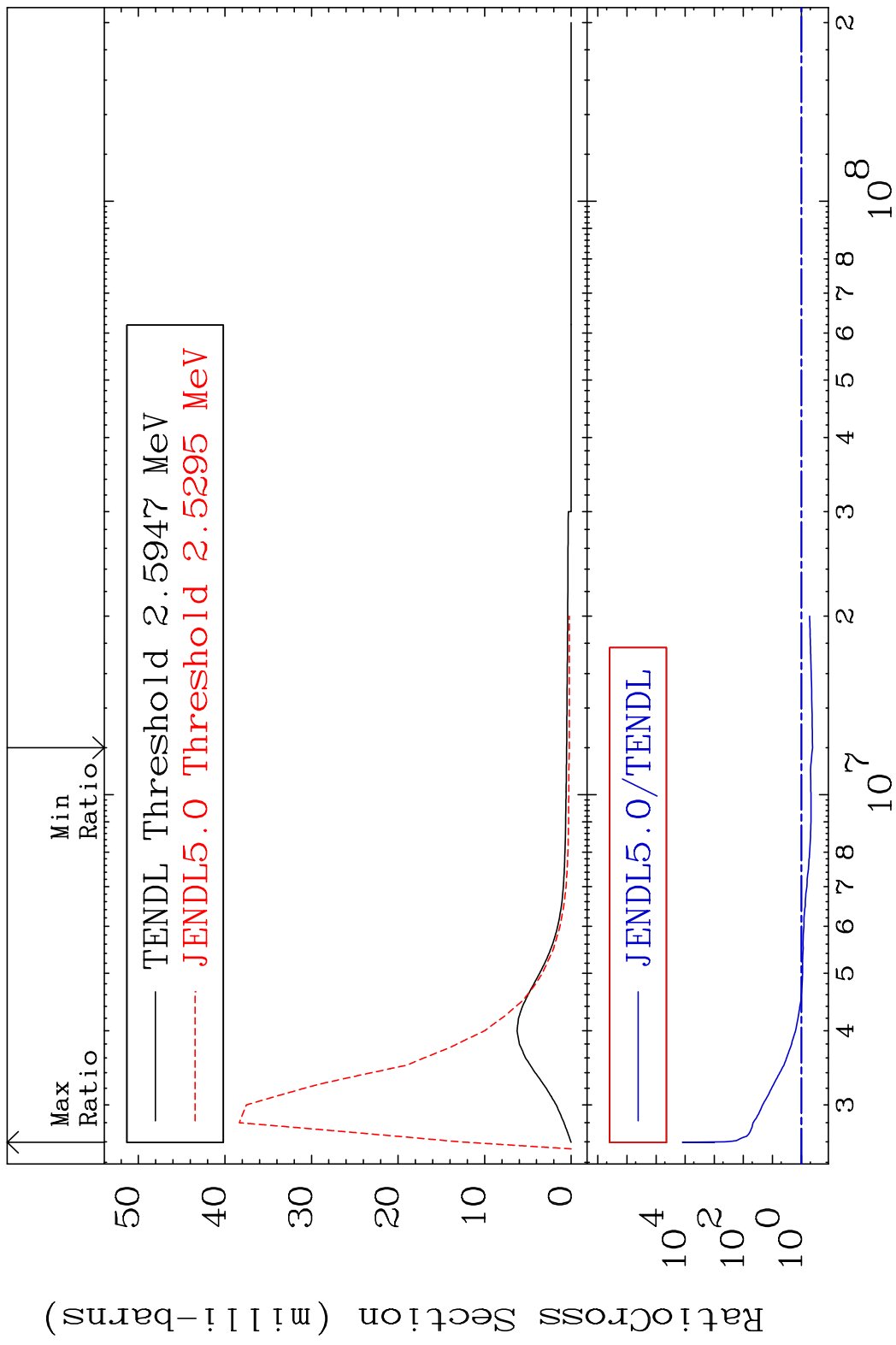
MAT 4843 MT= 76 (n,n') Level 48-Cd-112
 Cross Section -88.54 To 9999. %



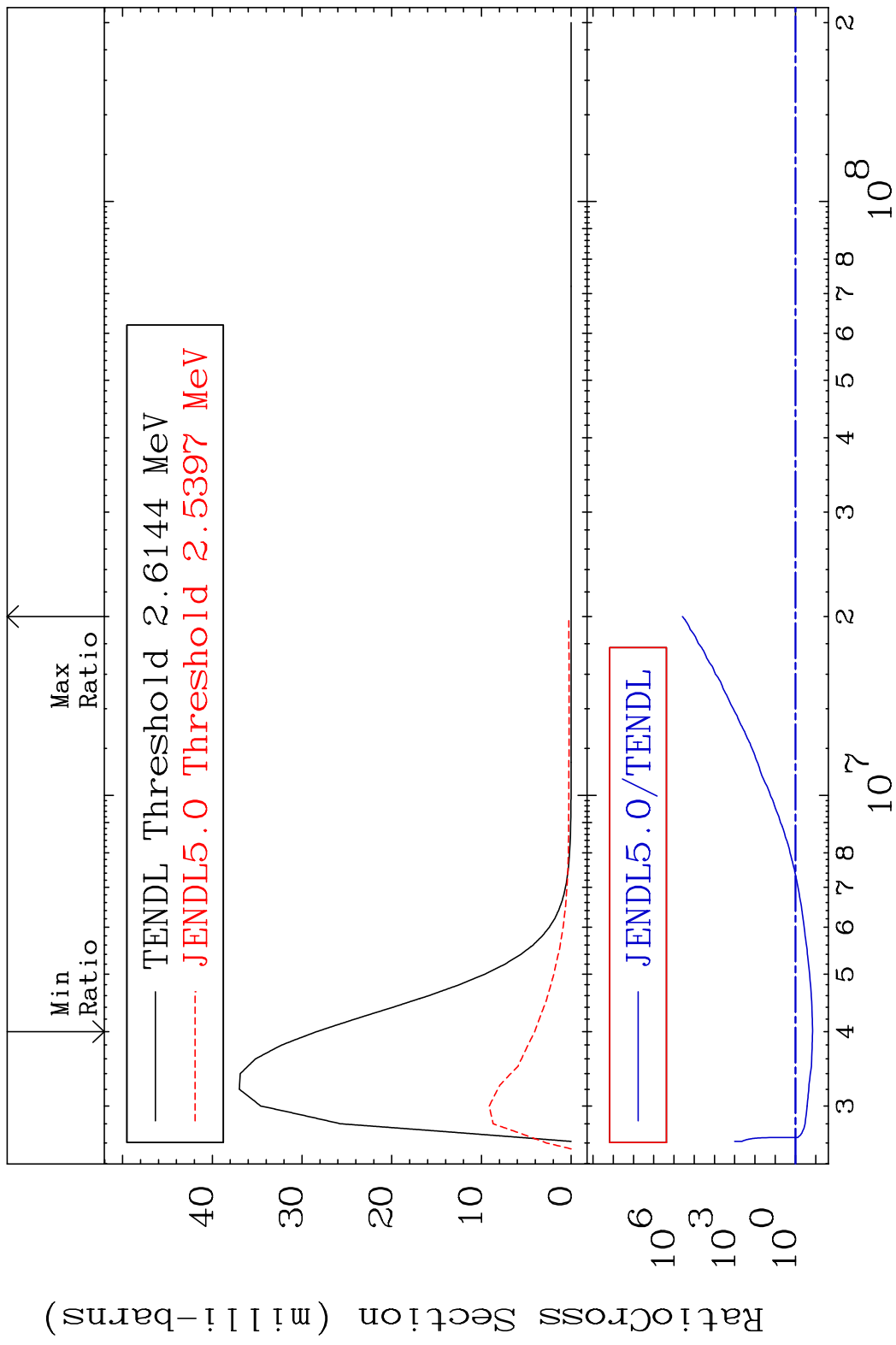
MAT 4843 MT= 77 (n, n') Level 48-Cd-112
 Cross Section -67.13 To 9999. %



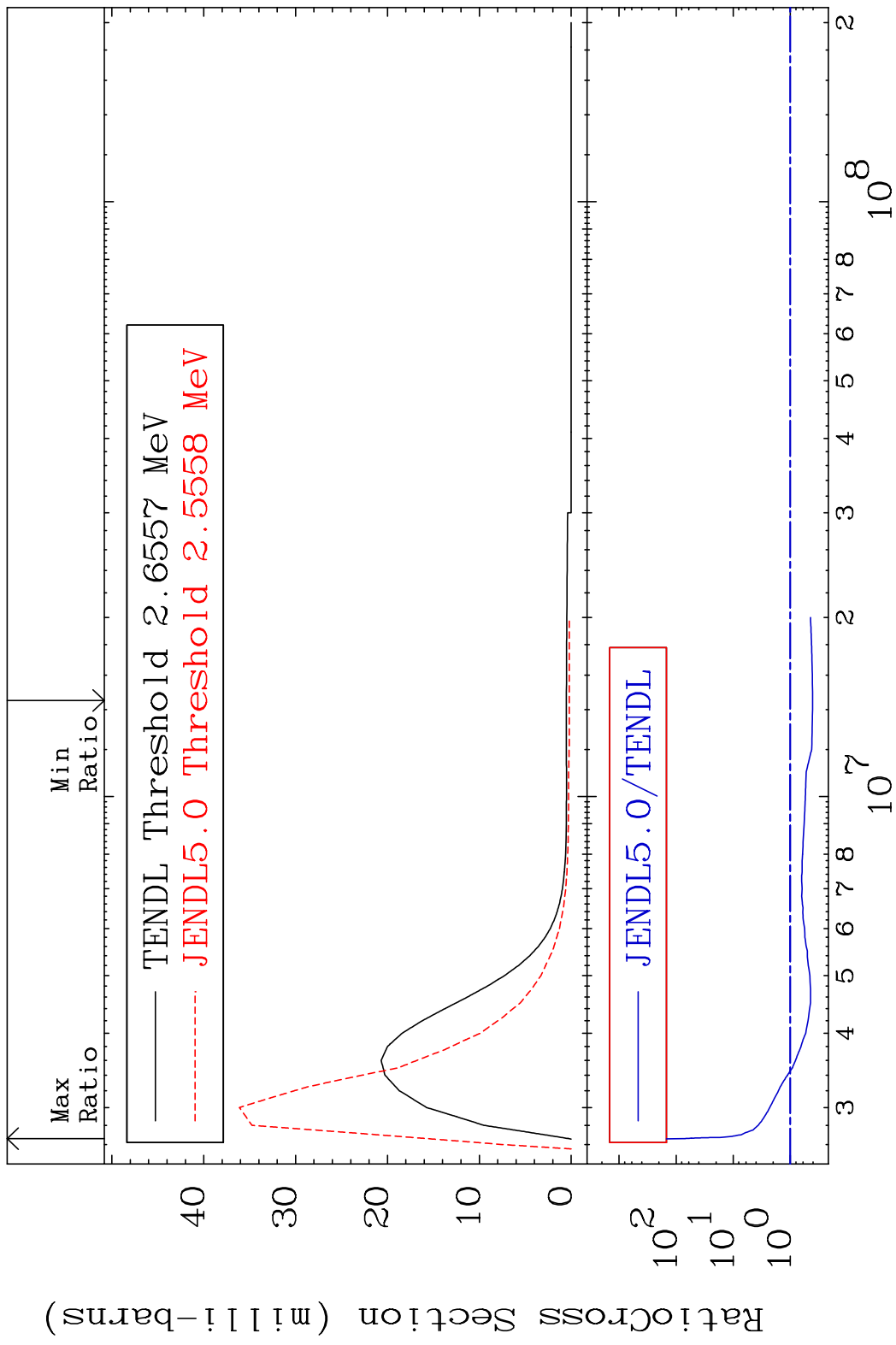
MAT 4843 MT= 78 (n,n') Level 48-Cd-112
 Cross Section -58.35 To 9999. %



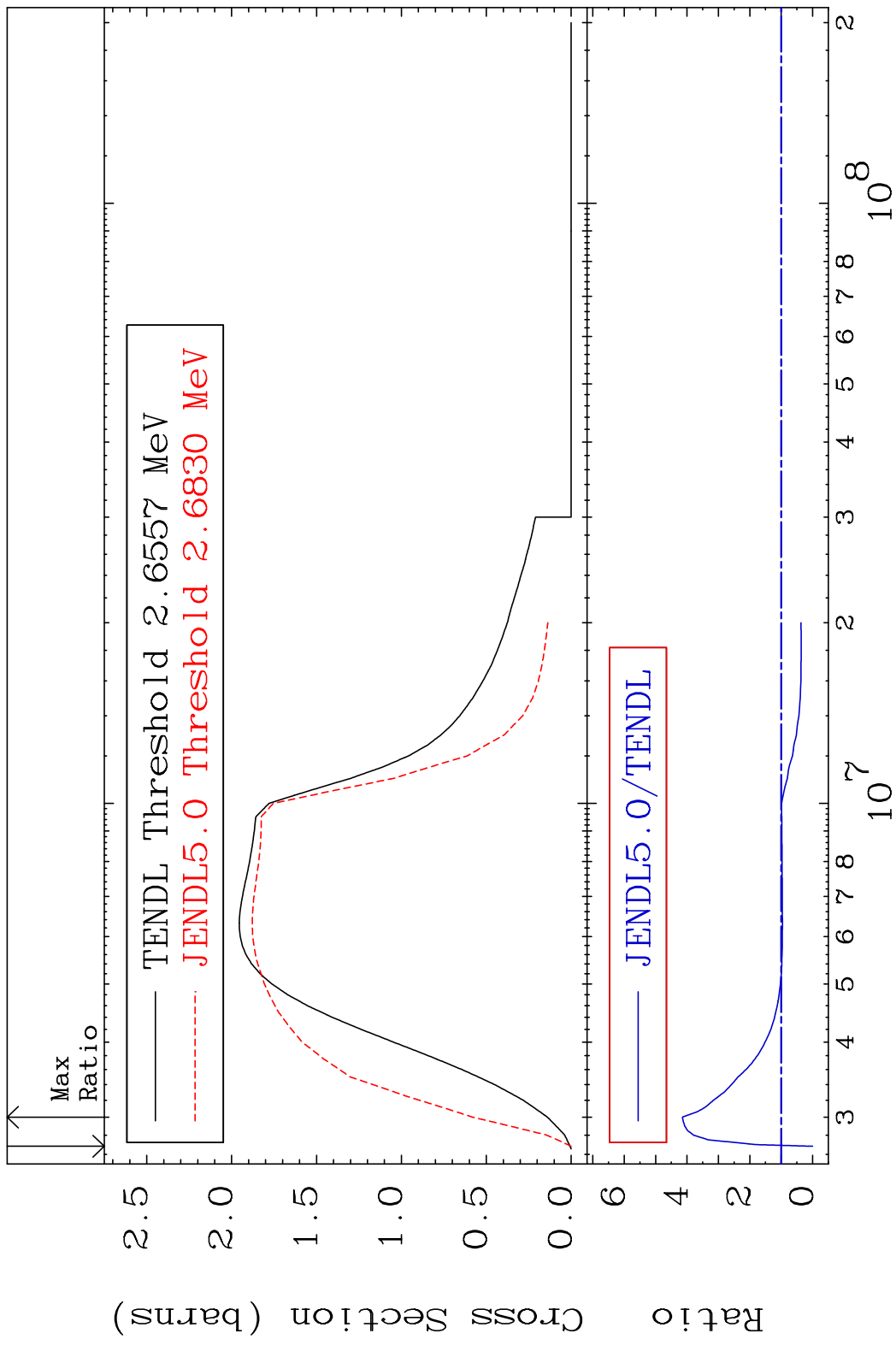
MAT 4843 MT= 79 (n, n') Level 48-Cd-112
 Cross Section -85.68 To 9999. %



MAT 4843 MT= 80 (n,n') Level 48-Cd-112
 Cross Section -59.14 To 7691. %



MAT 4843 (n,n') Continuum 48-Cd-112
 Cross Section -100.0 To 314.8 %

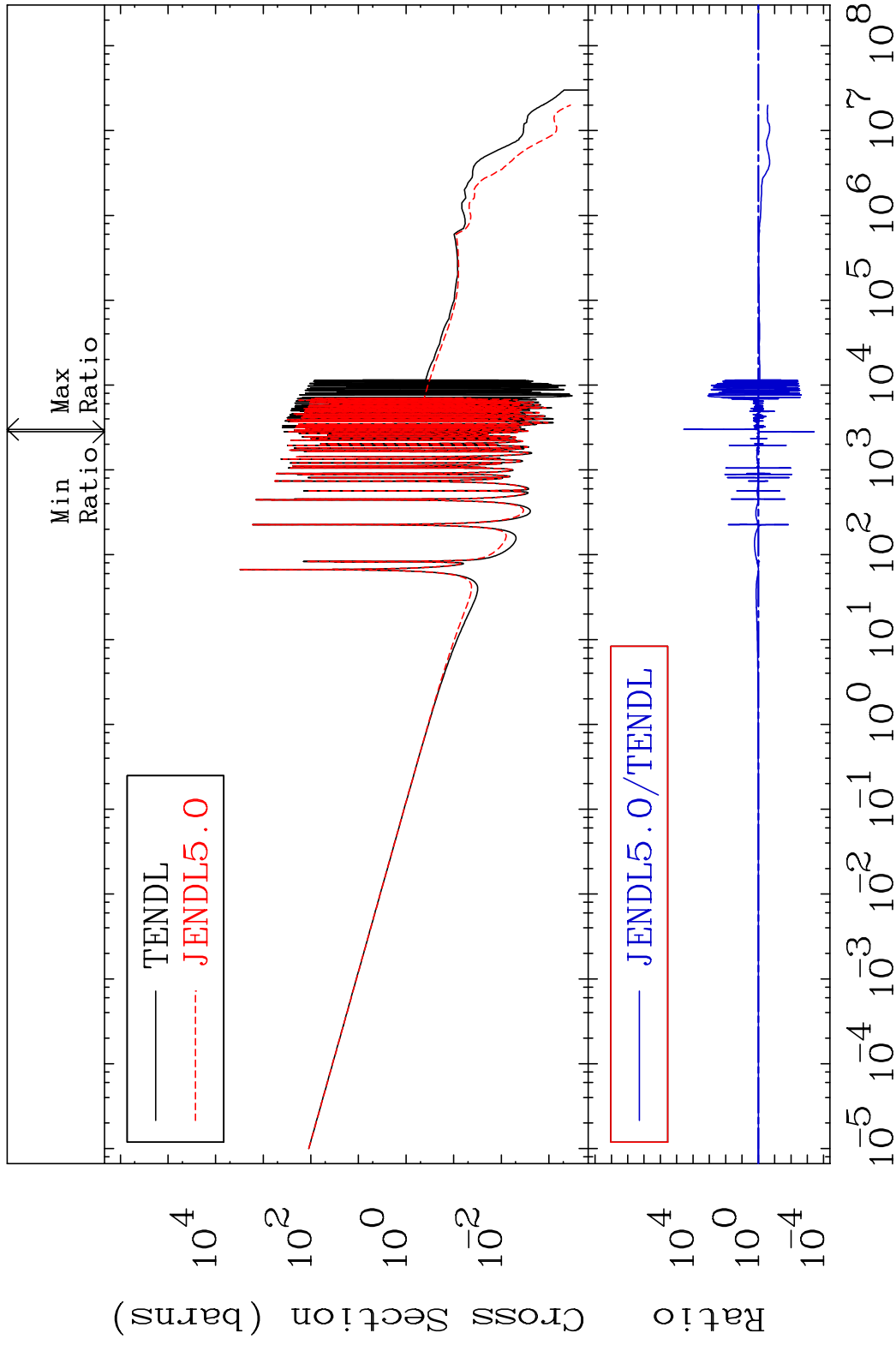


MAT 4843

(n, γ)

48-Cd-112

Cross Section -99.96 To 9999. %

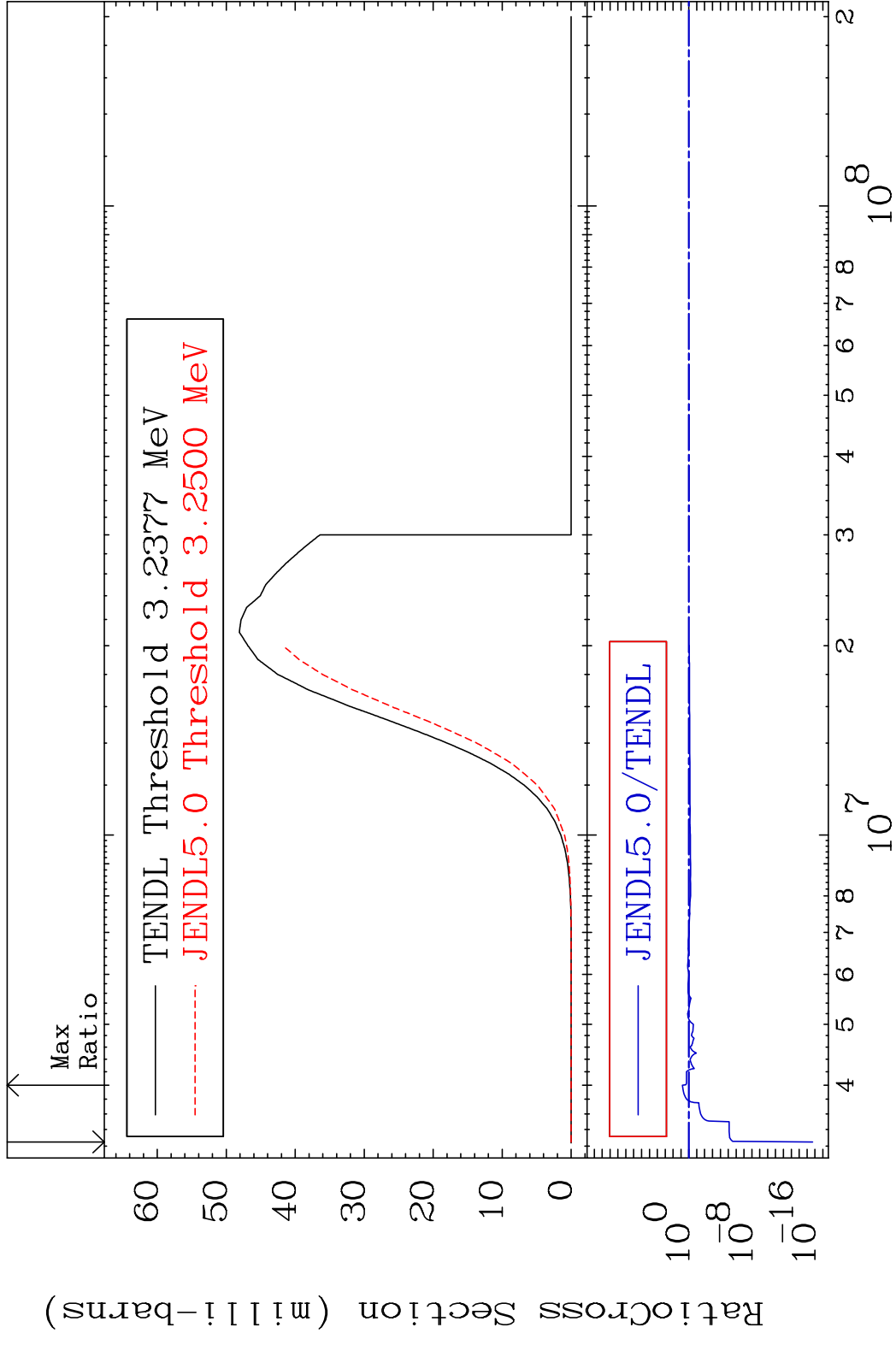


40

Incident Energy (eV)

48-Cd-112

MAT 4843 (n,p) 48-Cd-112
 Cross Section -100.0 To 566.4 %

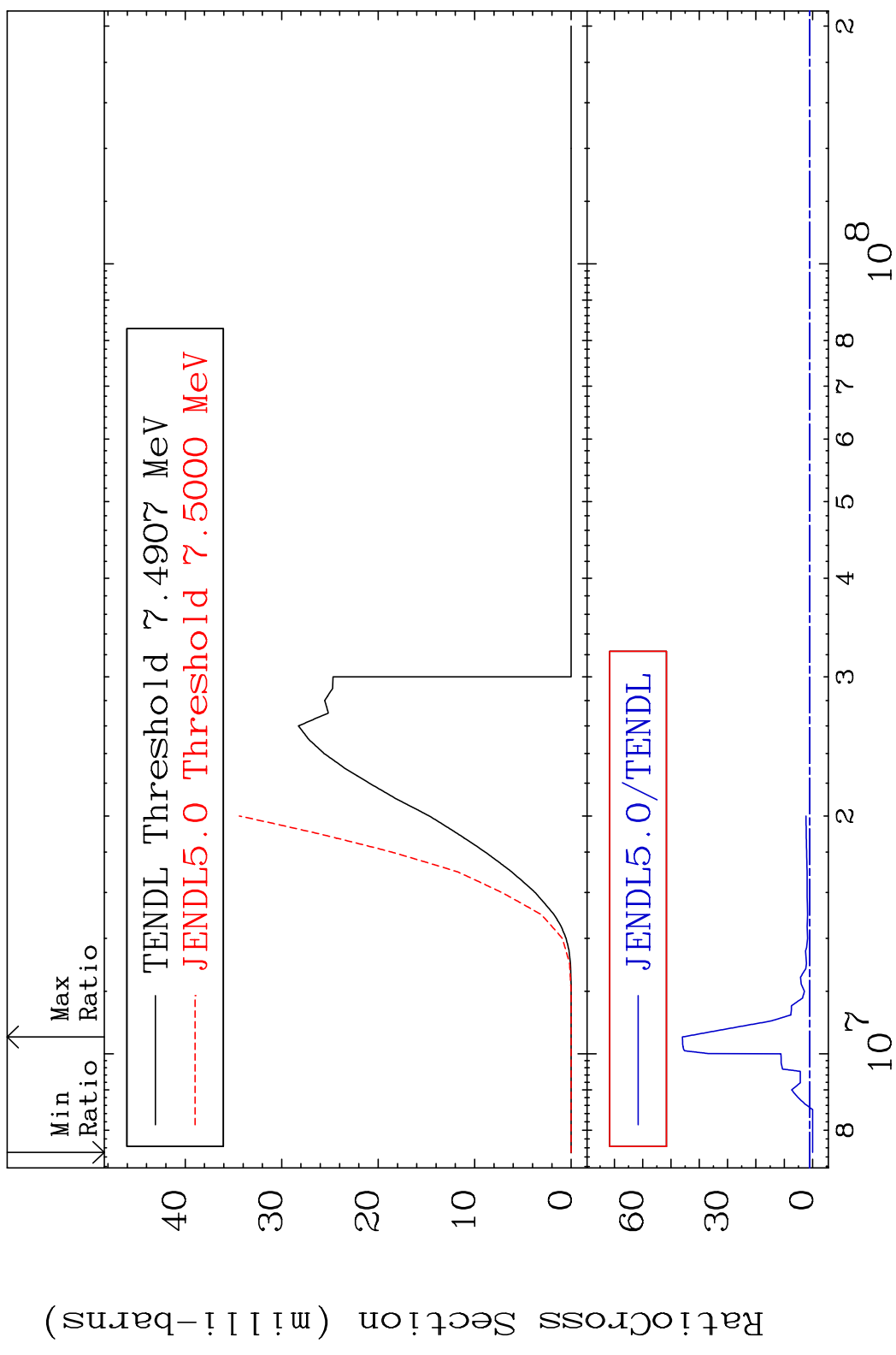


MAT 4843

(n,d)

48-Cd-112

Cross Section -100.0 To 4498. %



42

Incident Energy (eV)

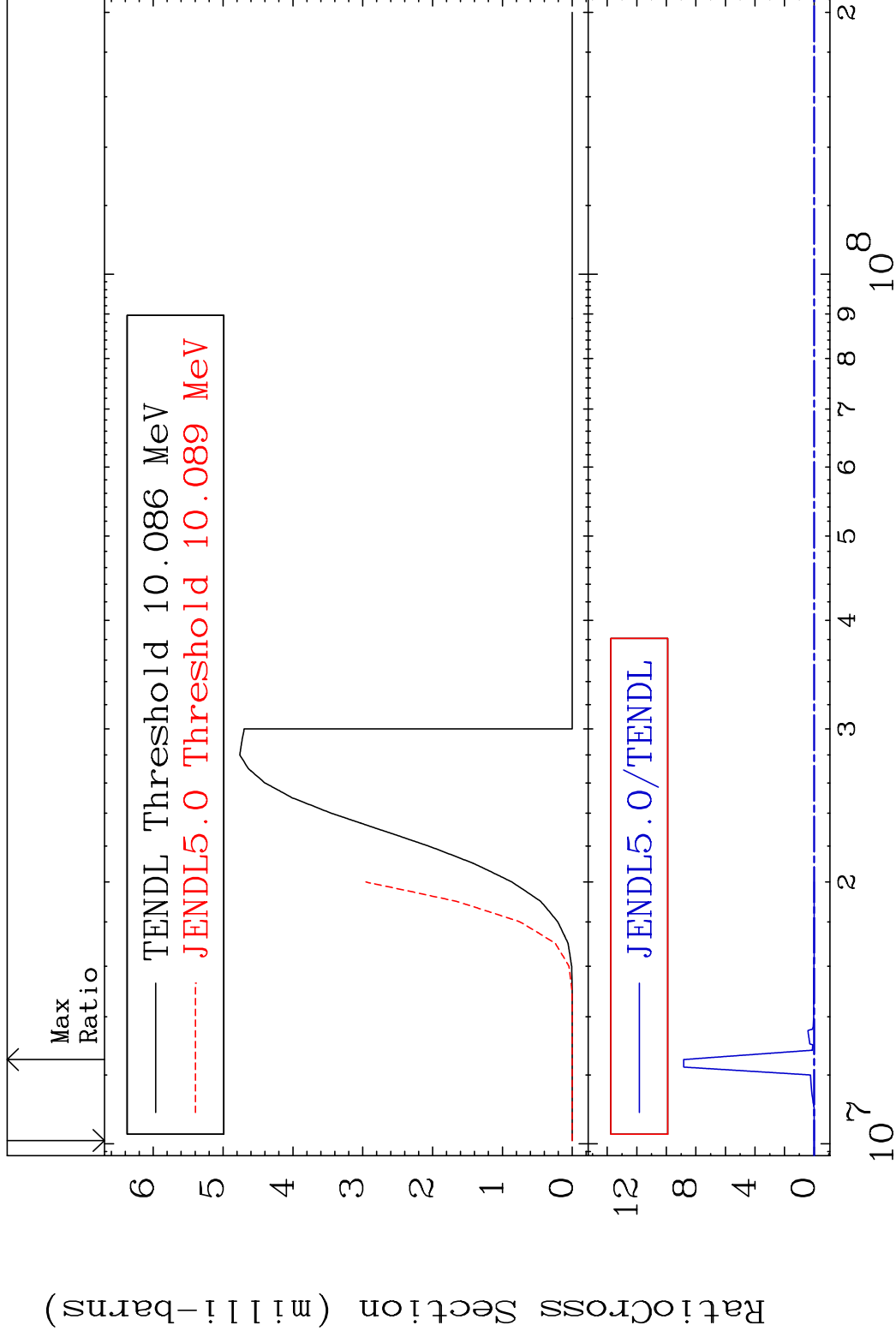
48-Cd-112

MAT 4843

(n, t)

48-Cd-112

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

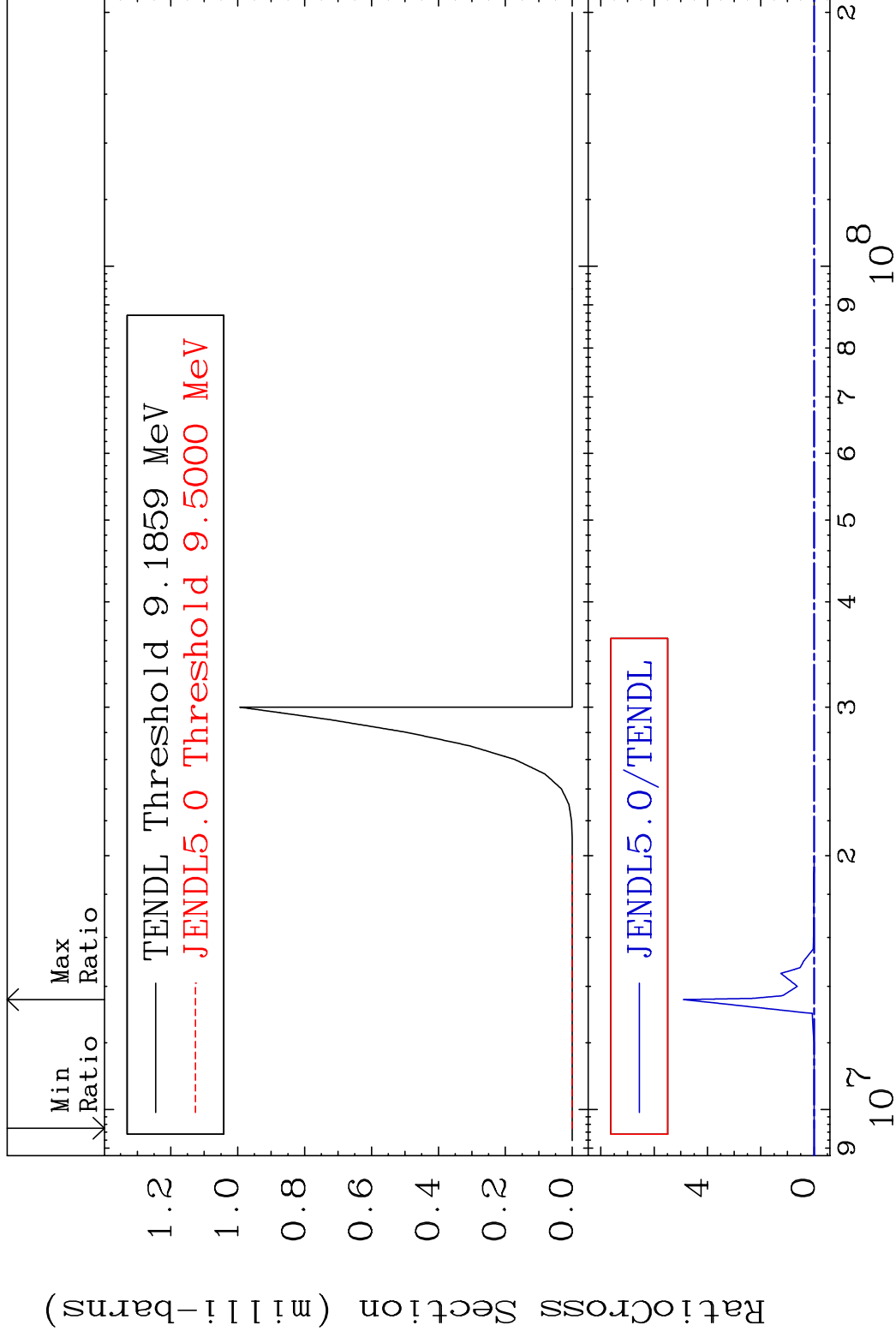
48-Cd-112

MAT 4843

(n, He-3)

48-Cd-112

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

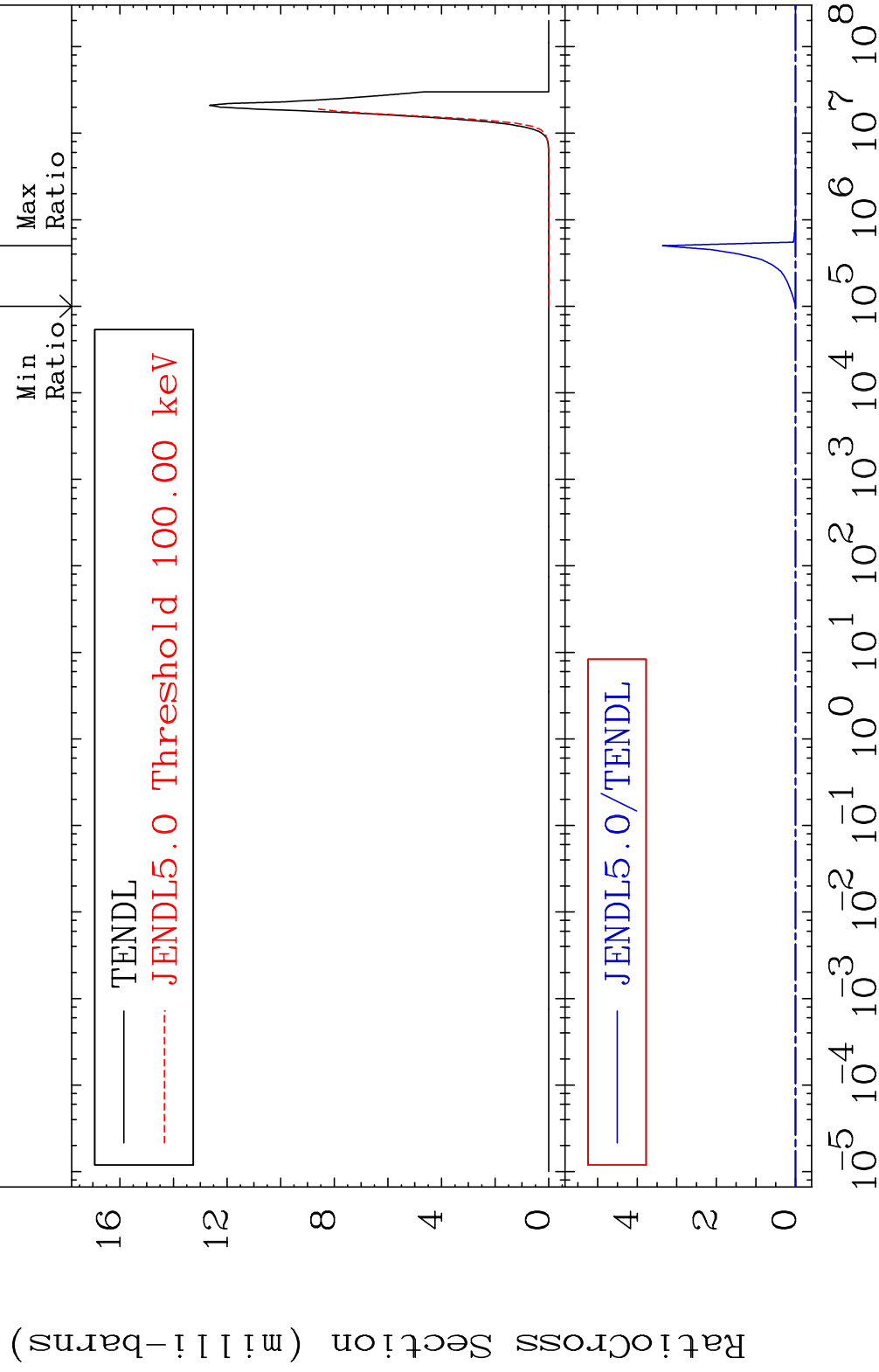
48-Cd-112

MAT 4843

(n, α)

48-Cd-112

Cross Section -100.0 To 9999. %

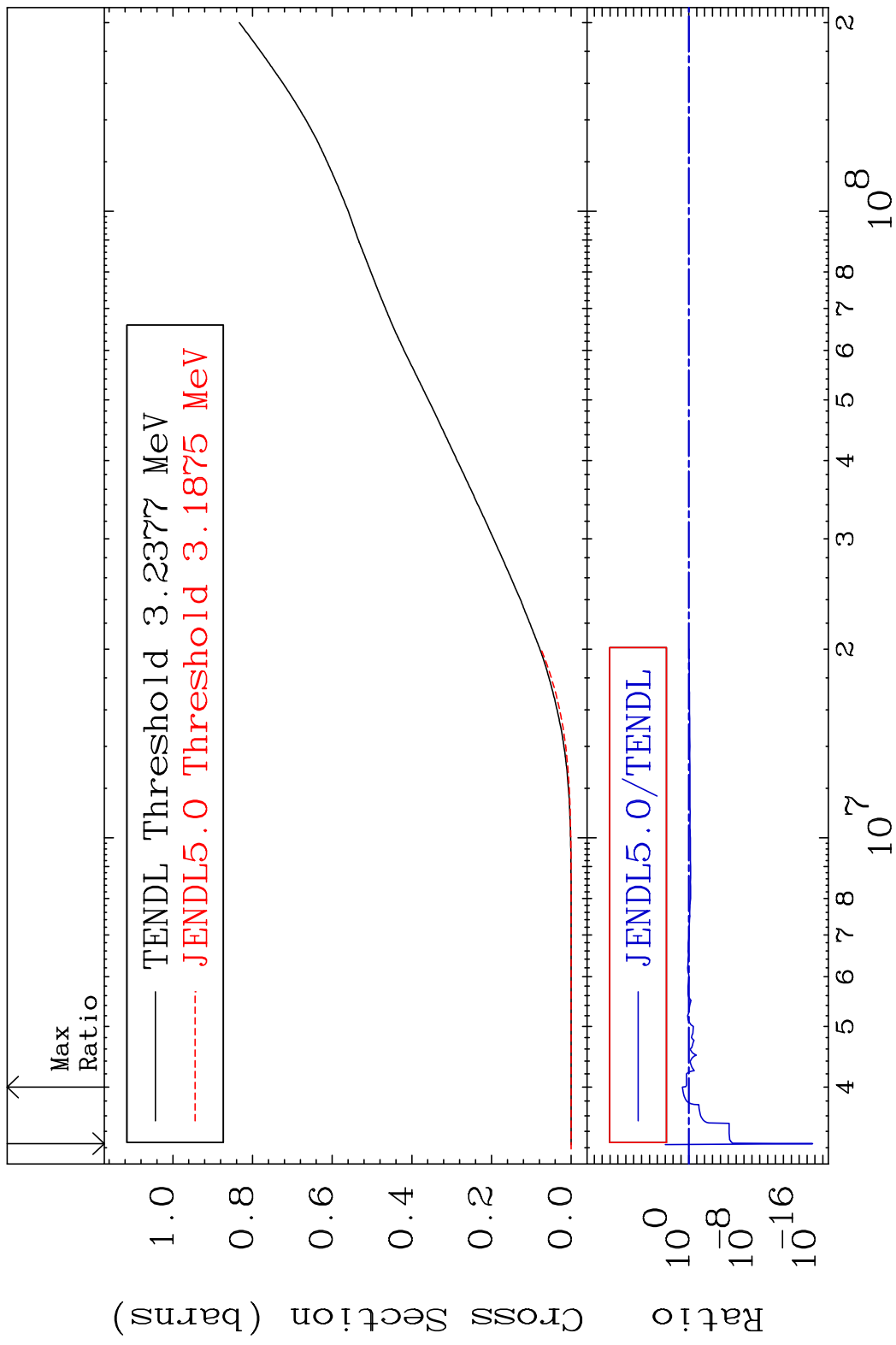


45

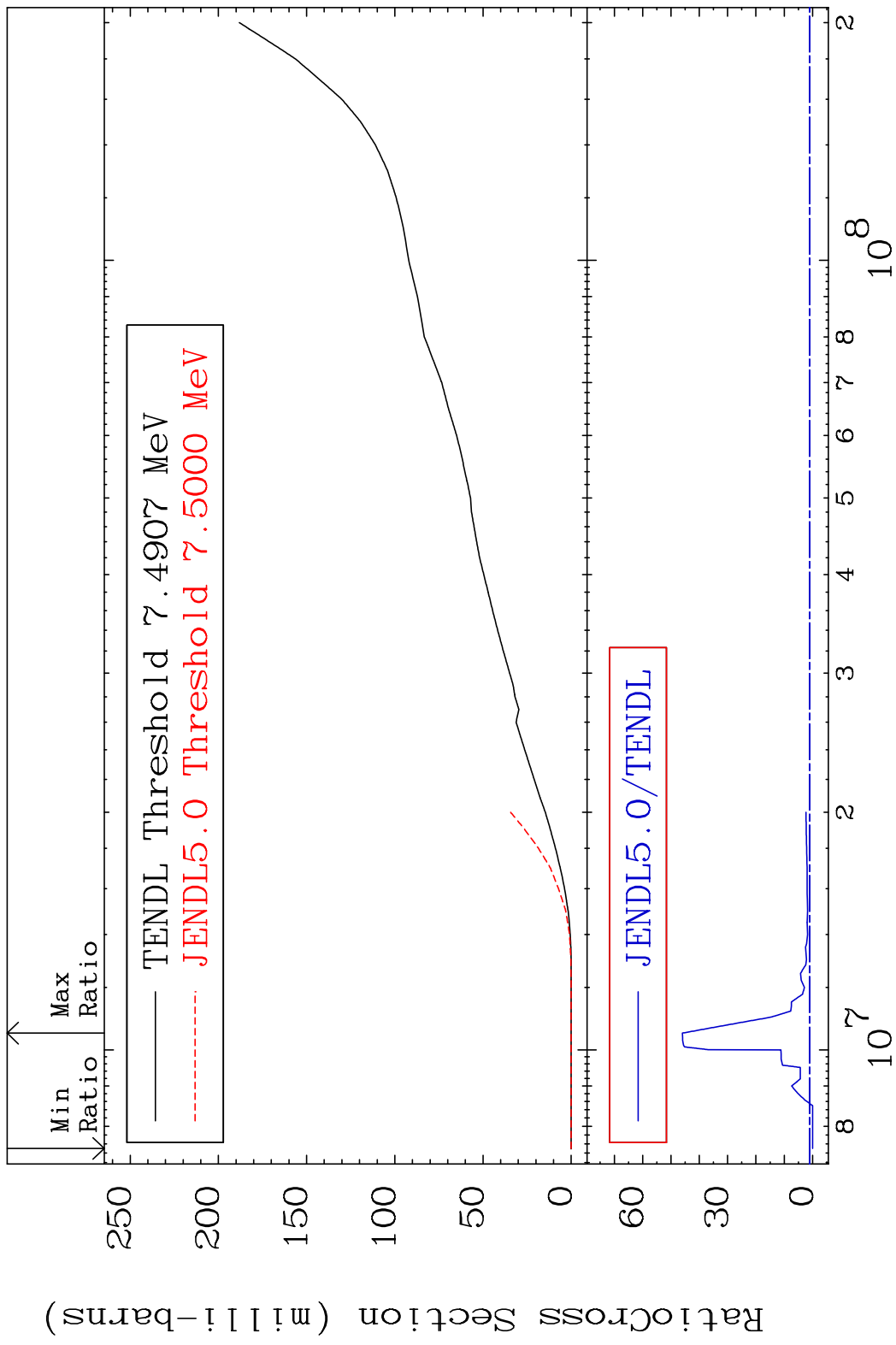
Incident Energy (eV)

48-Cd-112

MAT 4843 Hydrogen Production 48-Cd-112
 Cross Section -100.0 To 566.4 %

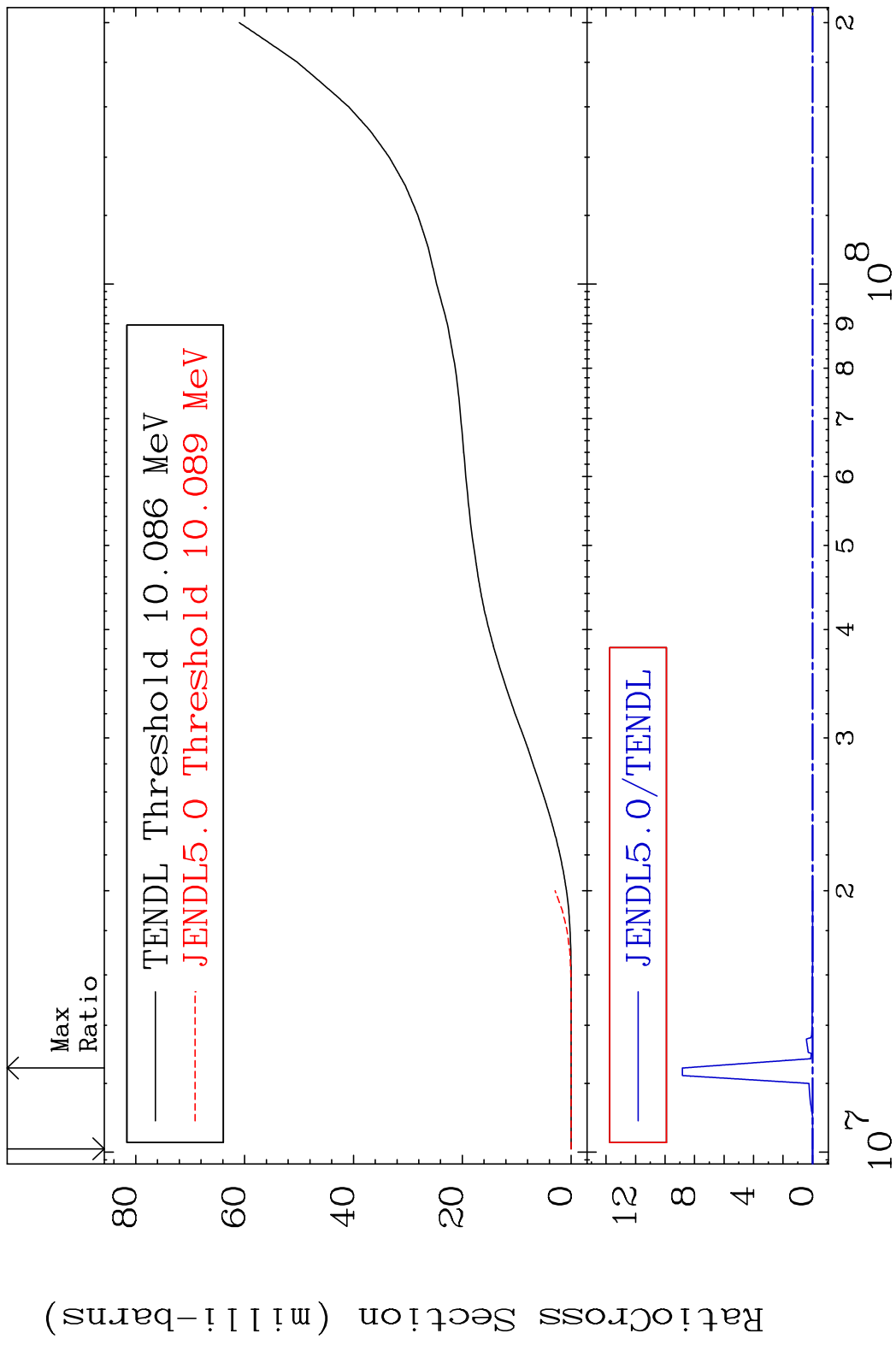


MAT 4843 Deuterium Production 48-Cd-112
 Cross Section -100.0 To 4498. %



47 Incident Energy (eV) 48-Cd-112

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



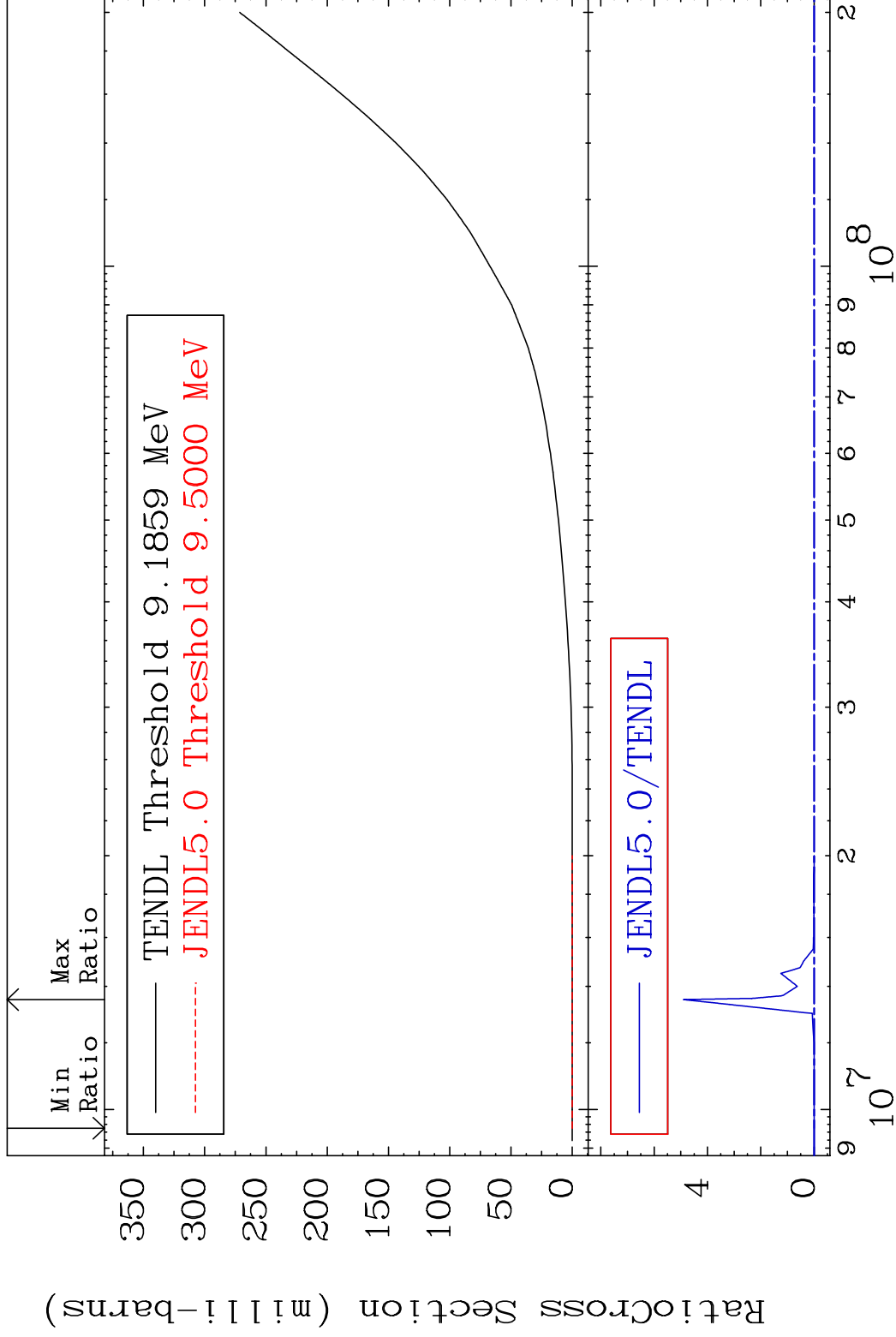
48 Incident Energy (eV) 48-Cd-112

MAT 4843

He-3 Production

48-Cd-112

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

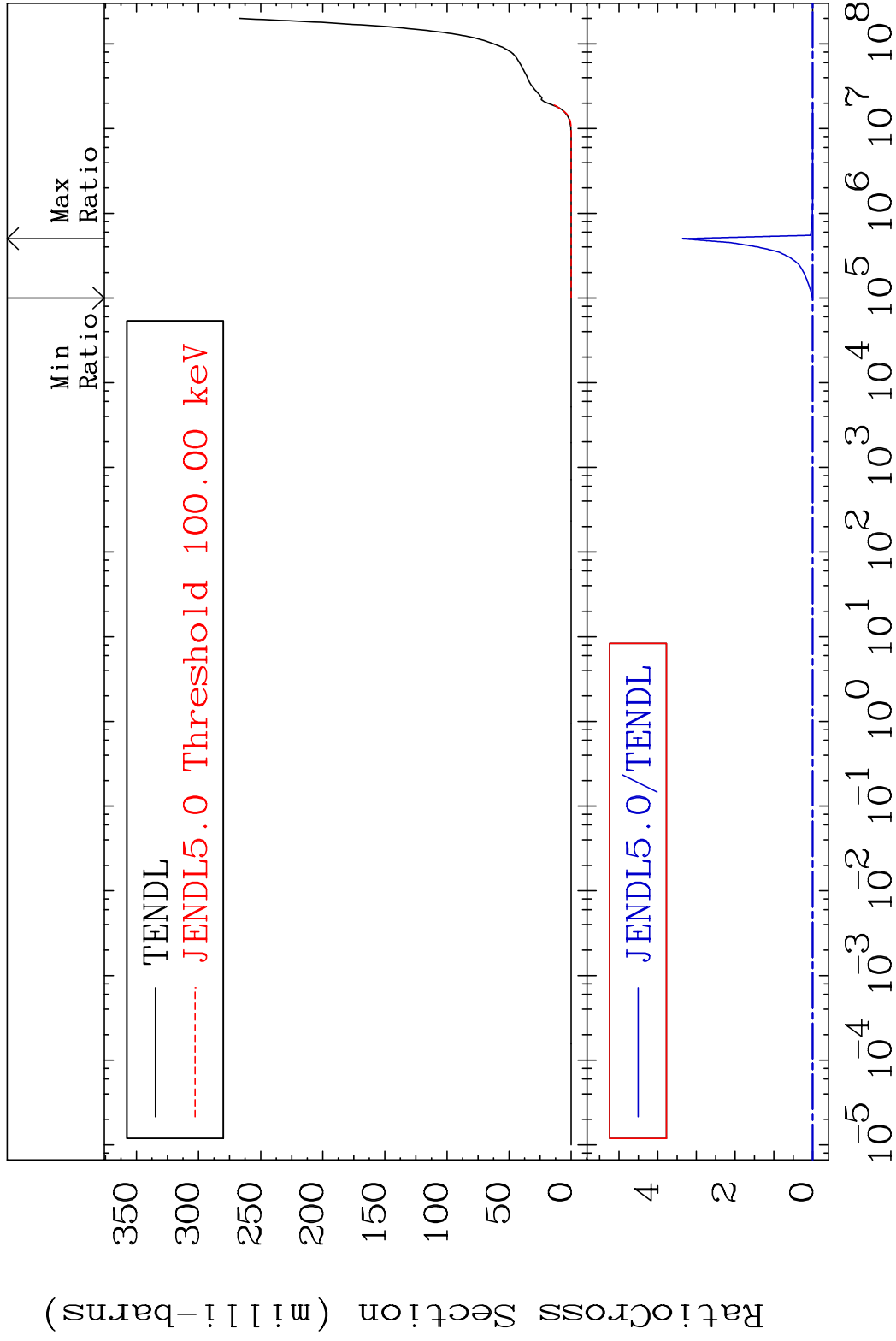
48-Cd-112

MAT 4843

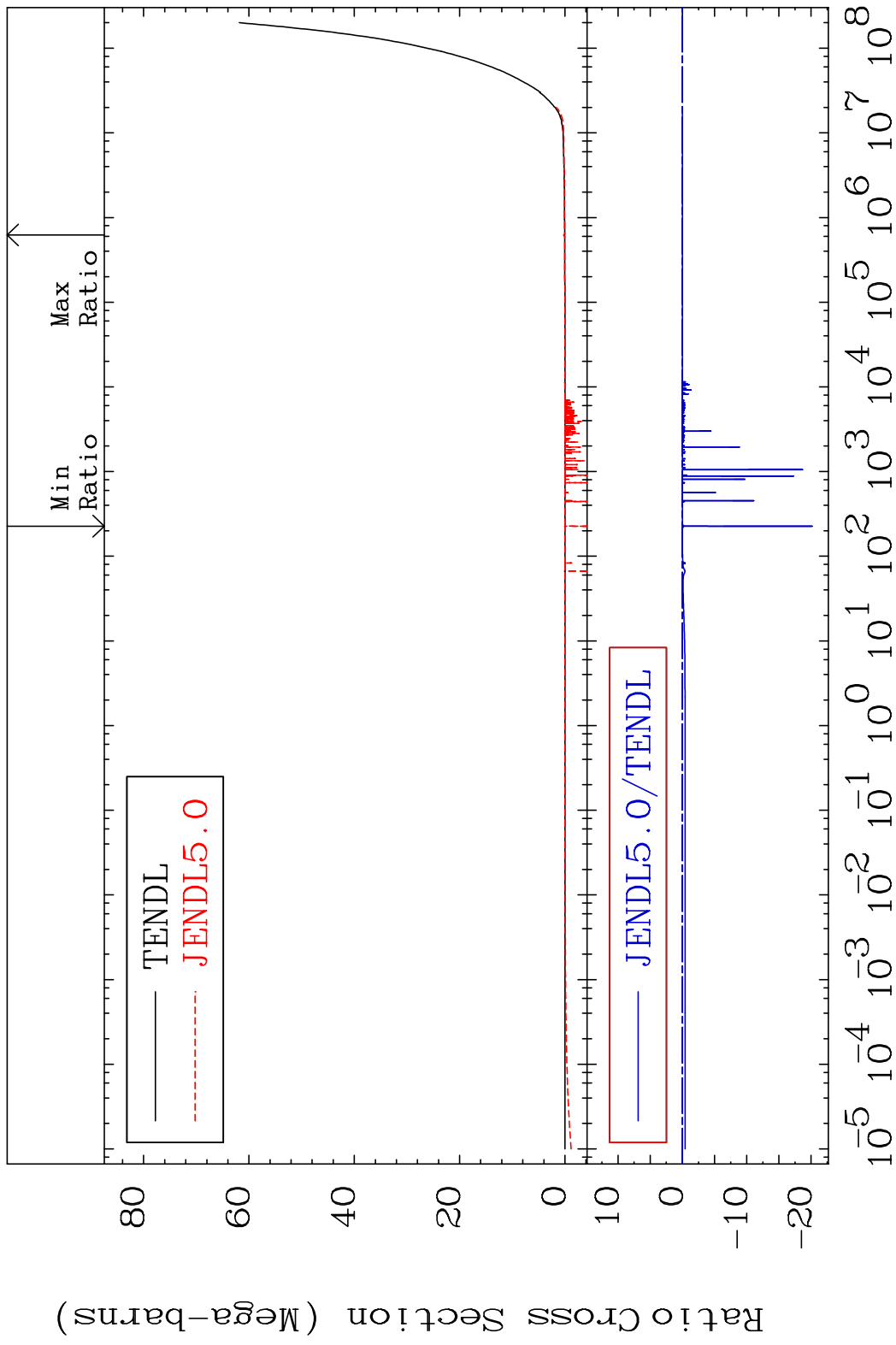
He-4 Production

48-Cd-112

Cross Section -100.0 To 9999. %



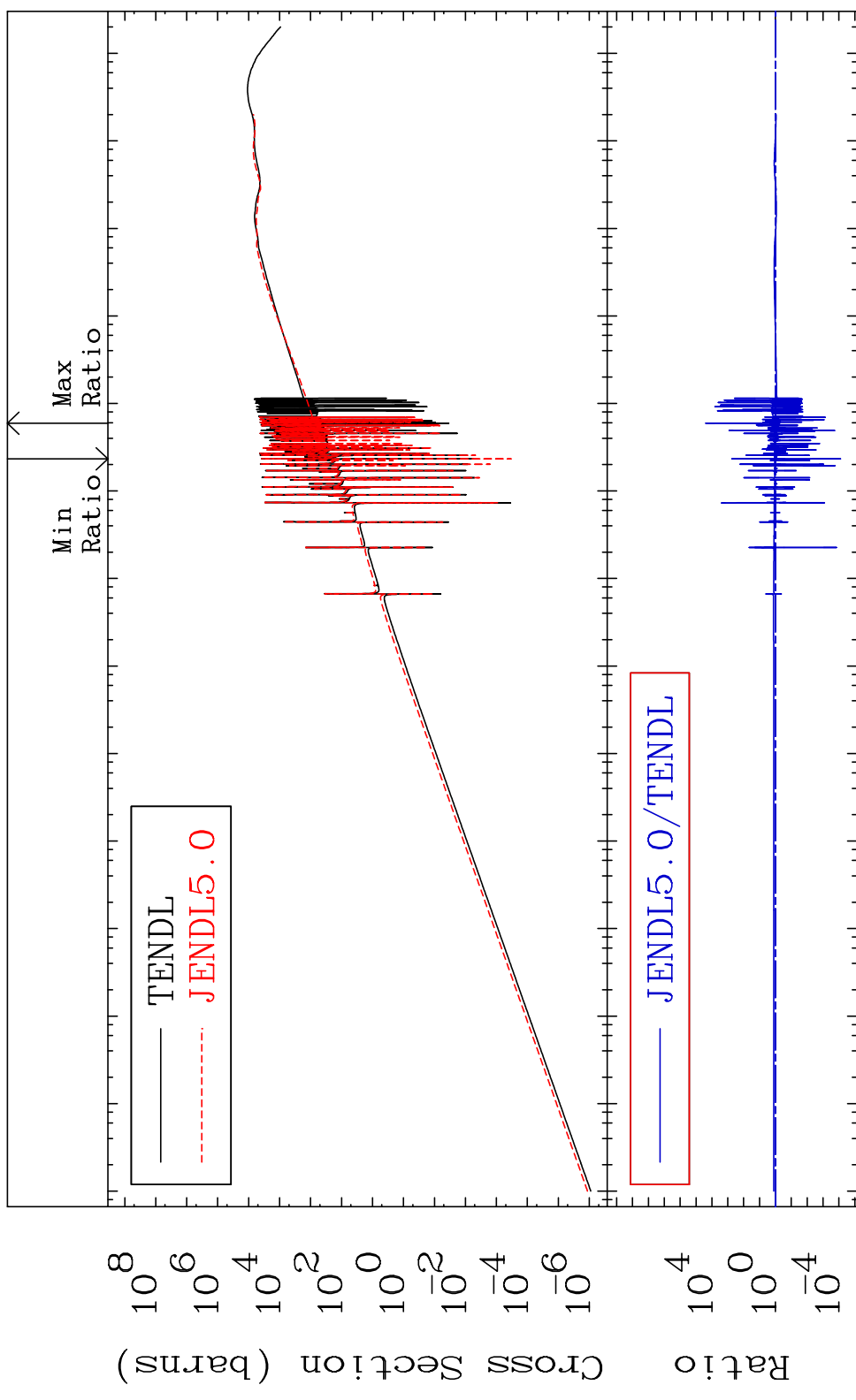
MAT 4843 Kerma total (eV-barns) 48-Cd-112
Cross Section -9999. To 432.9 %



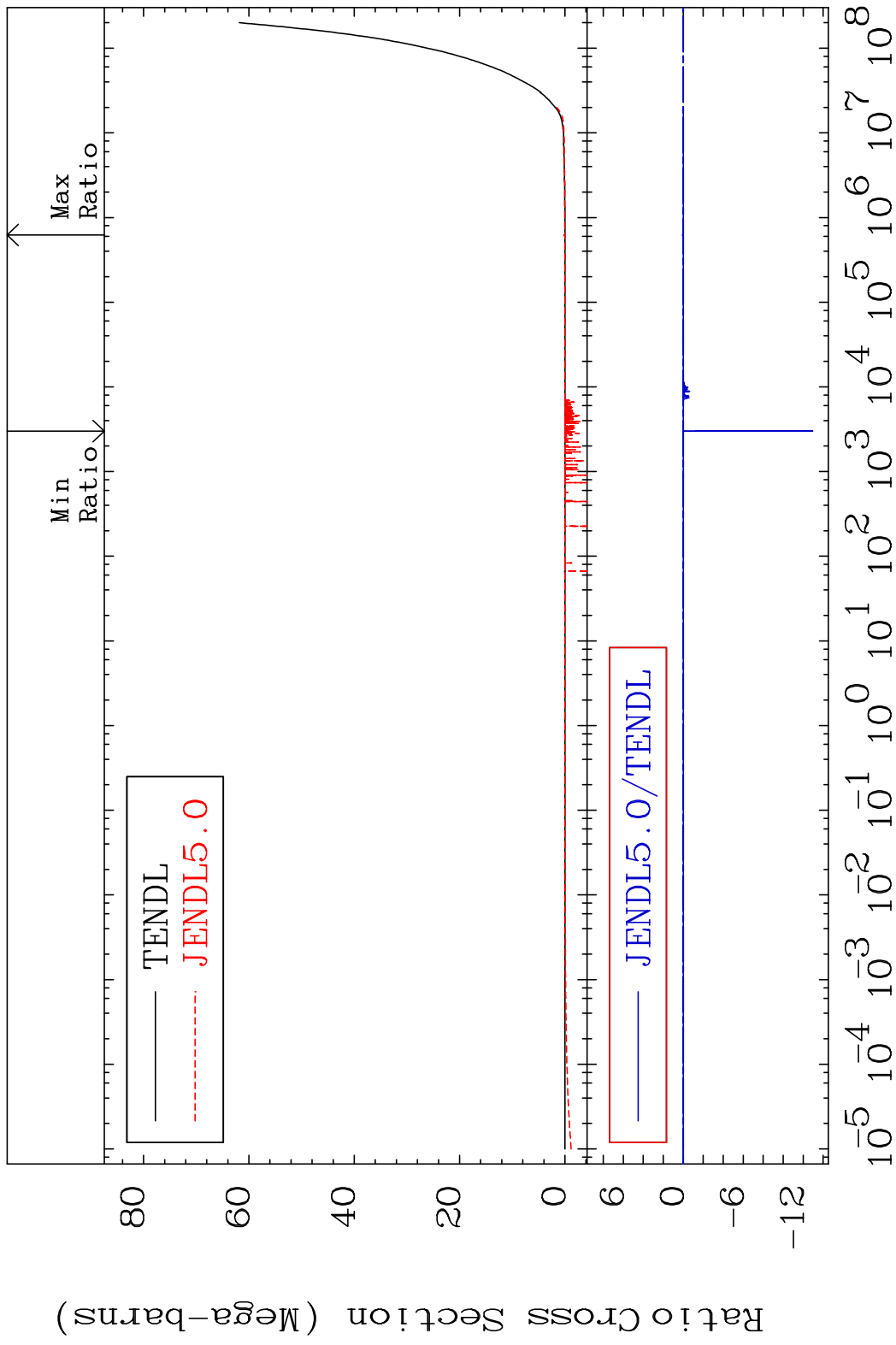
MAT 4843

Kerma elastic
Cross Section -99.99 To 9999. %

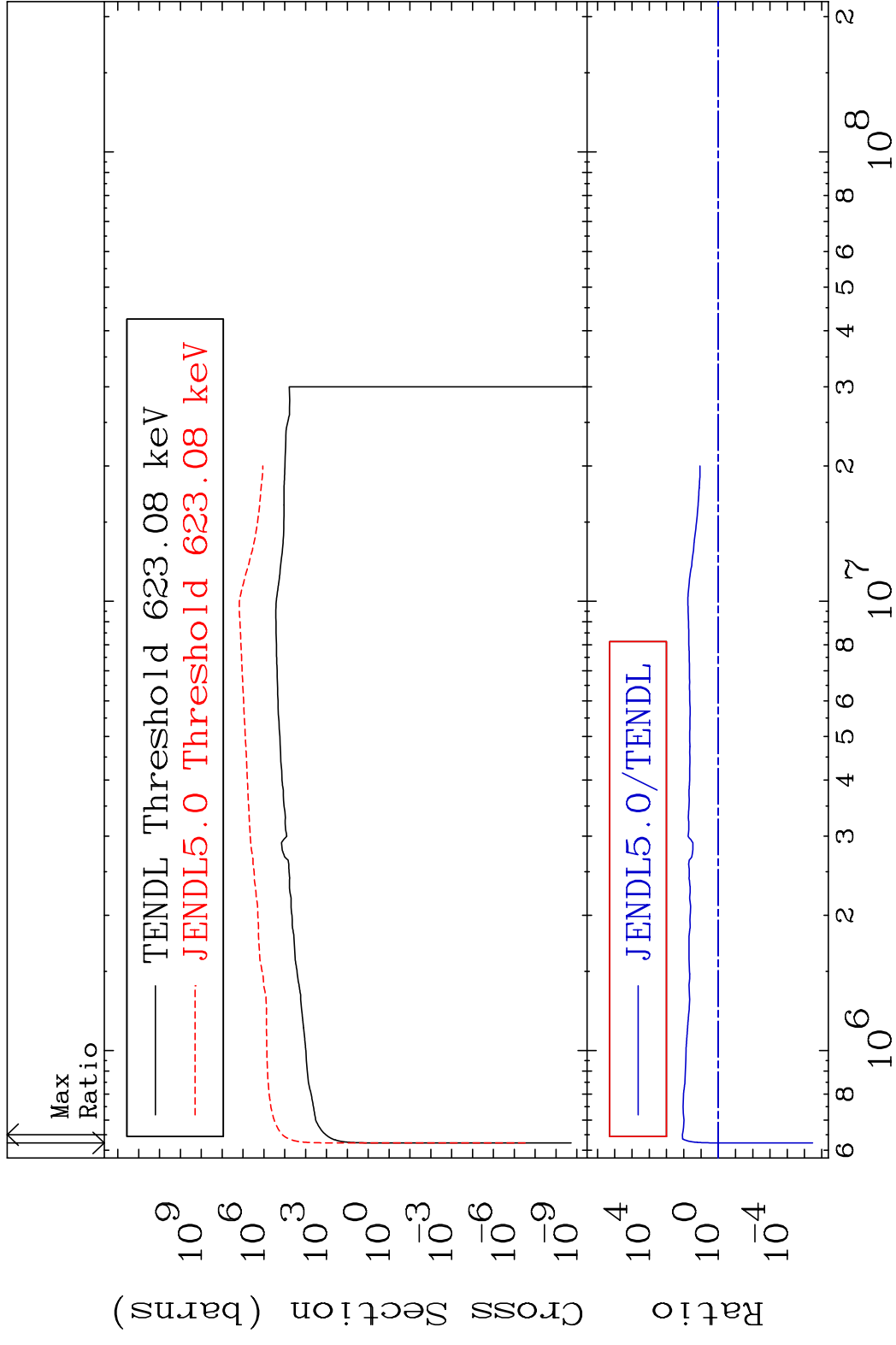
48-Cd-112



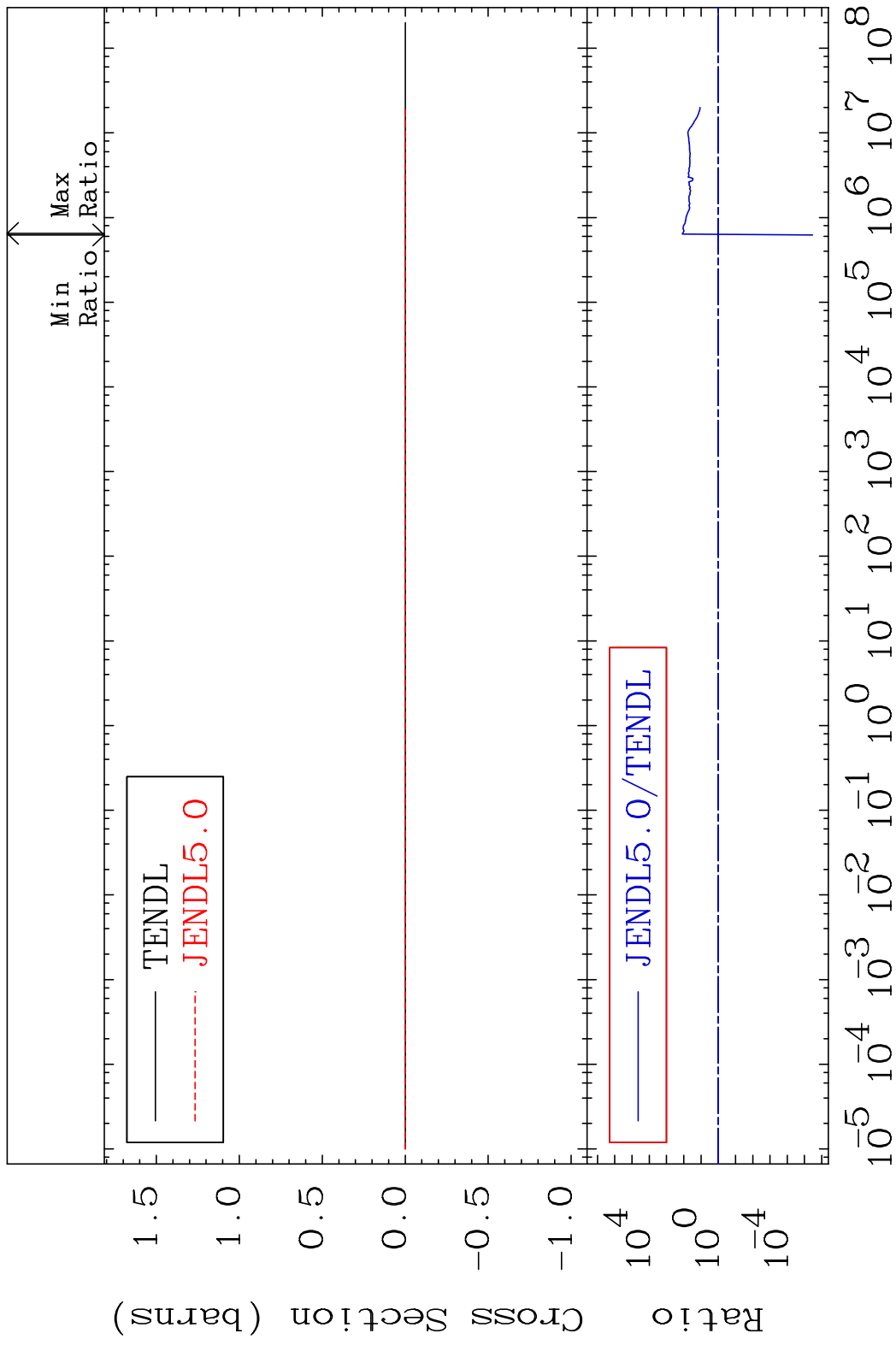
MAT 4843 Kerma non-elastic (all but mt2) 48-Cd-112
Cross Section -9999. To 9999. %



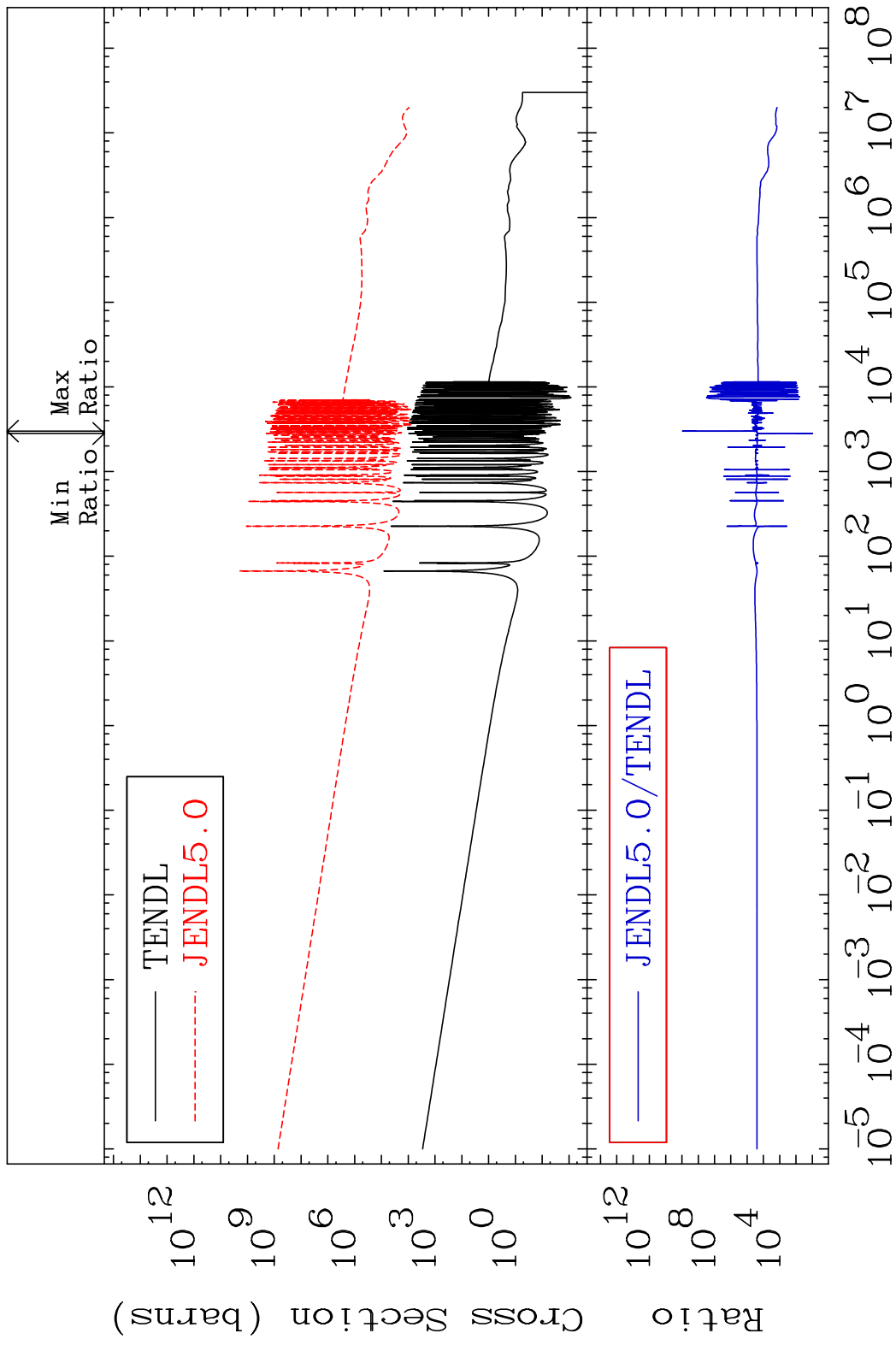
MAT 4843 Kerma inelastic (mt51-91) 48-Cd-112
 Cross Section -100.0 To 9999. %



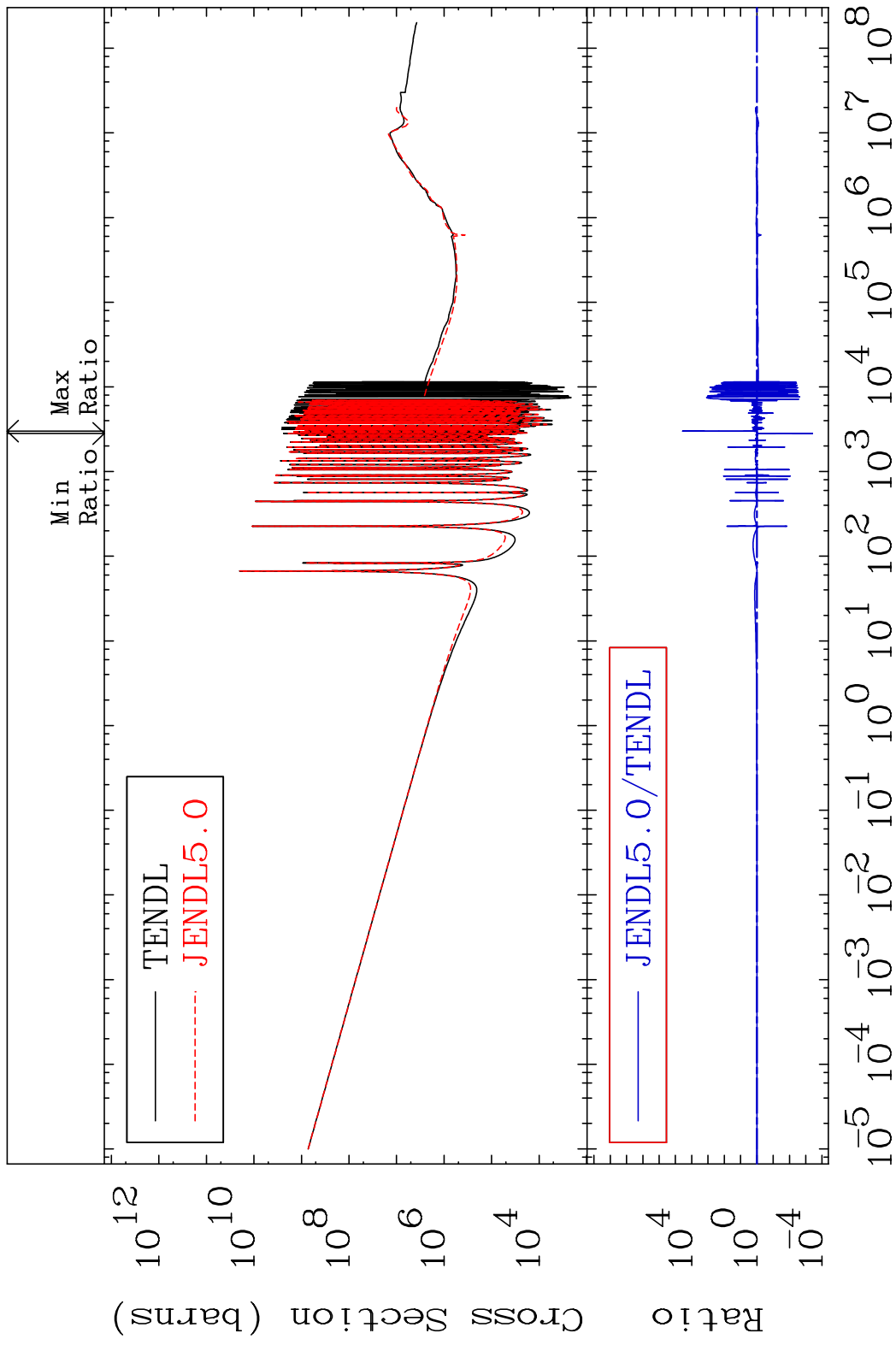
MAT 4843 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-112
 Cross Section -100.0 To 9999. %



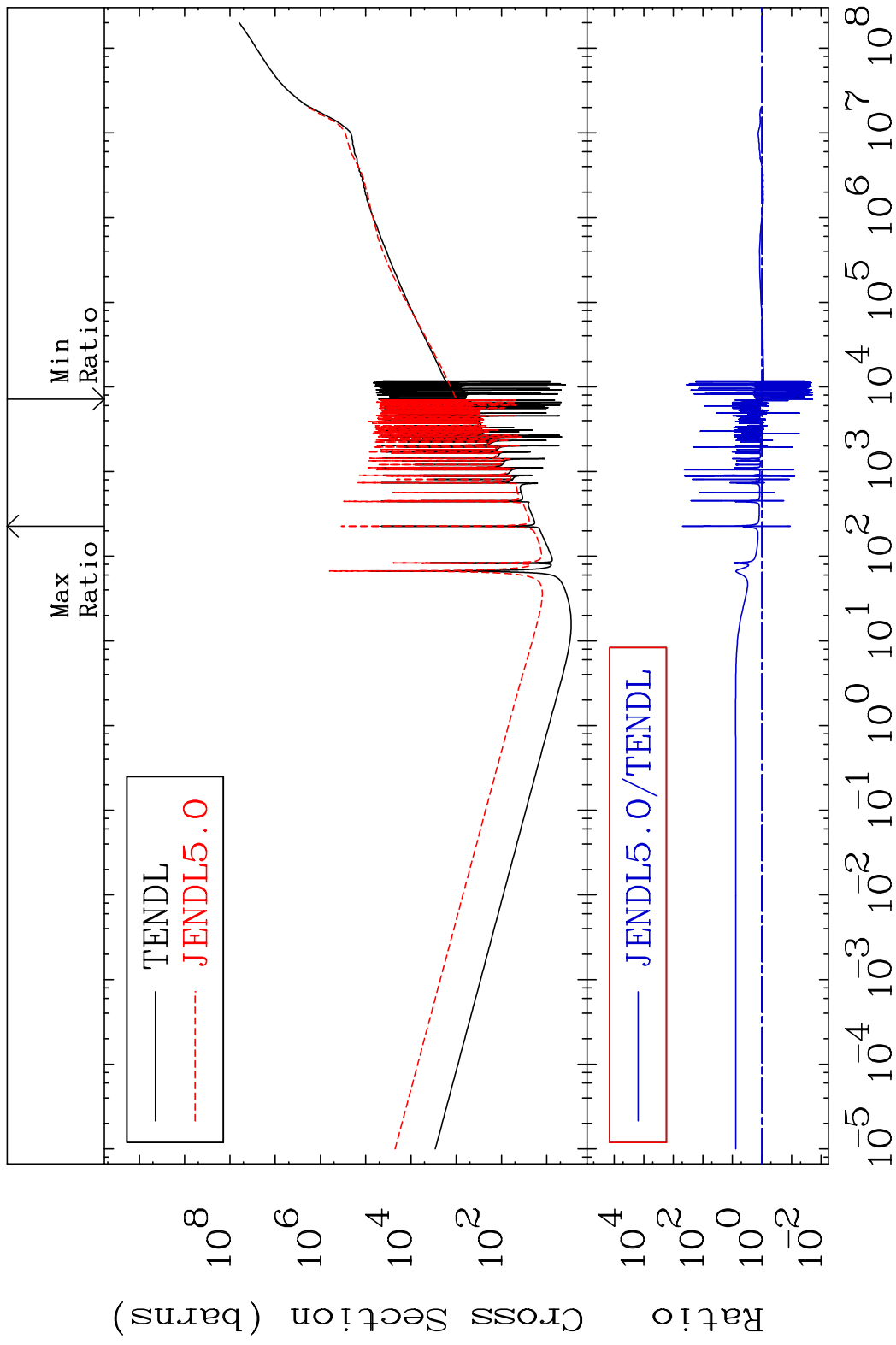
MAT 4843 Kerma capture (mt102) 48-Cd-112
 Cross Section 9561. To 9999. %



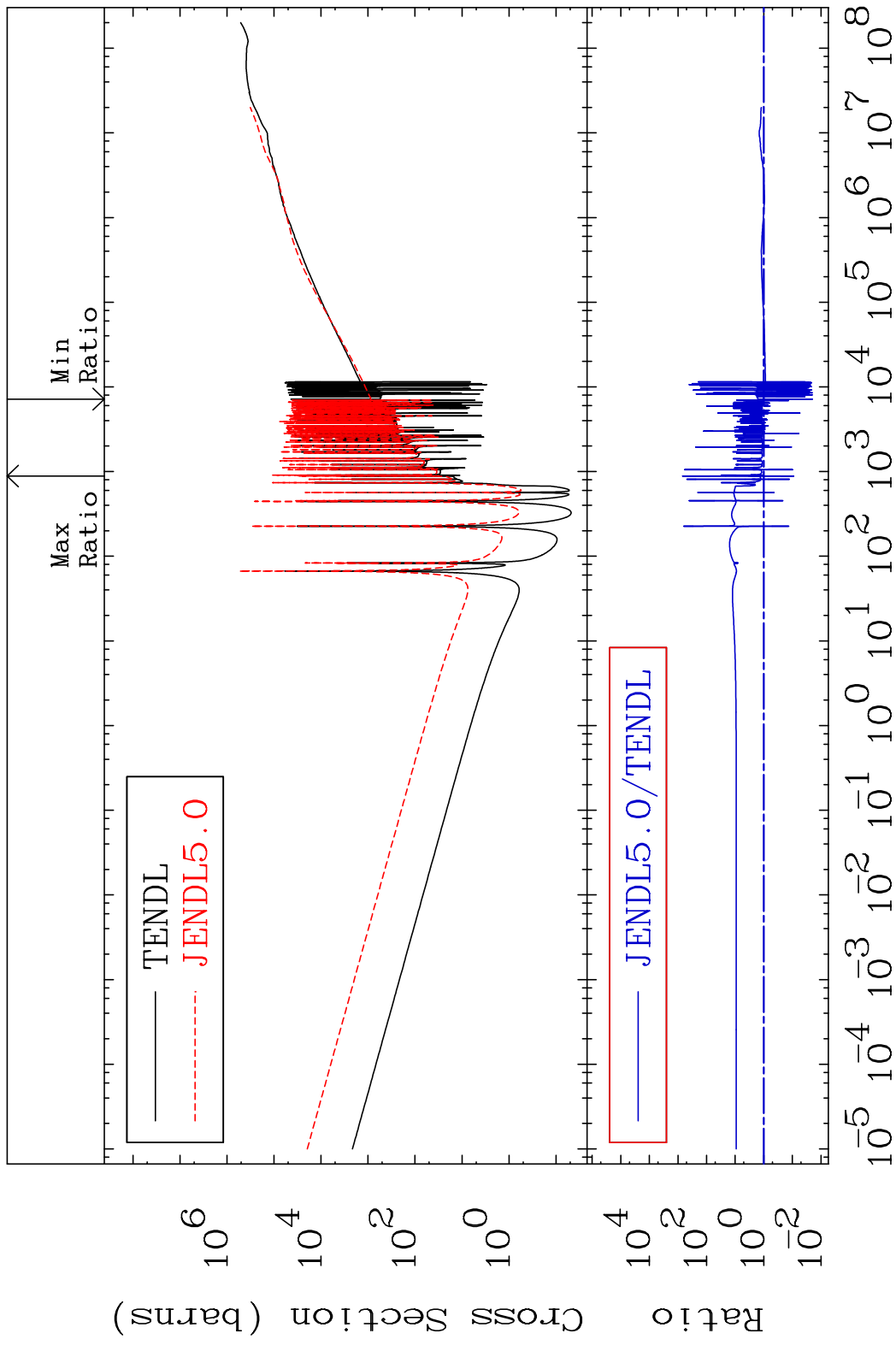
MAT 4843 Total photon (eV-barns) 48-Cd-112
 Cross Section -99.96 To 9999. %



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. %



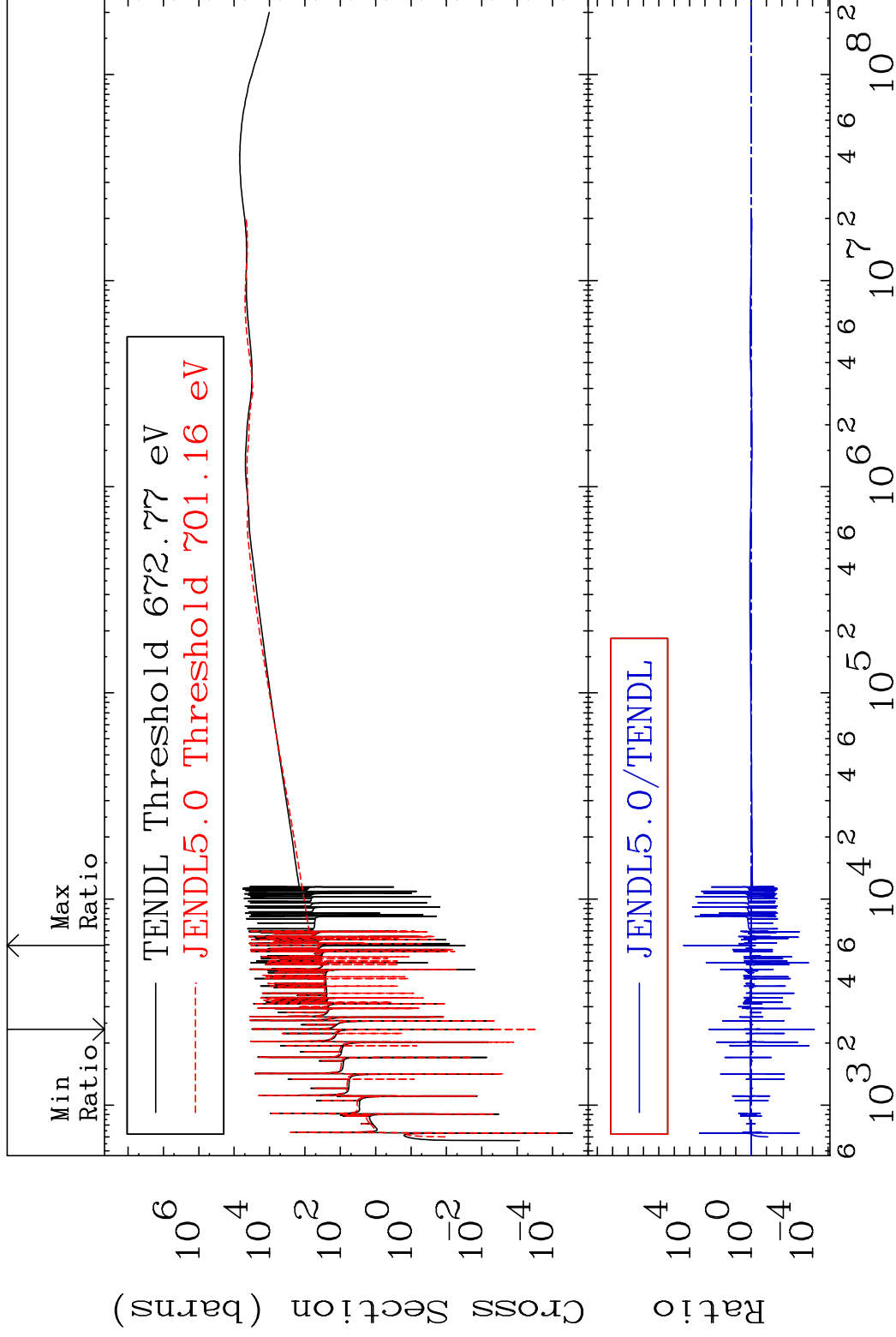
59 Incident Energy (eV) 48-Cd-112

MAT 4843

Dpa elastic (mt2)

48-Cd-112

Cross Section -99.99 To 9999. %

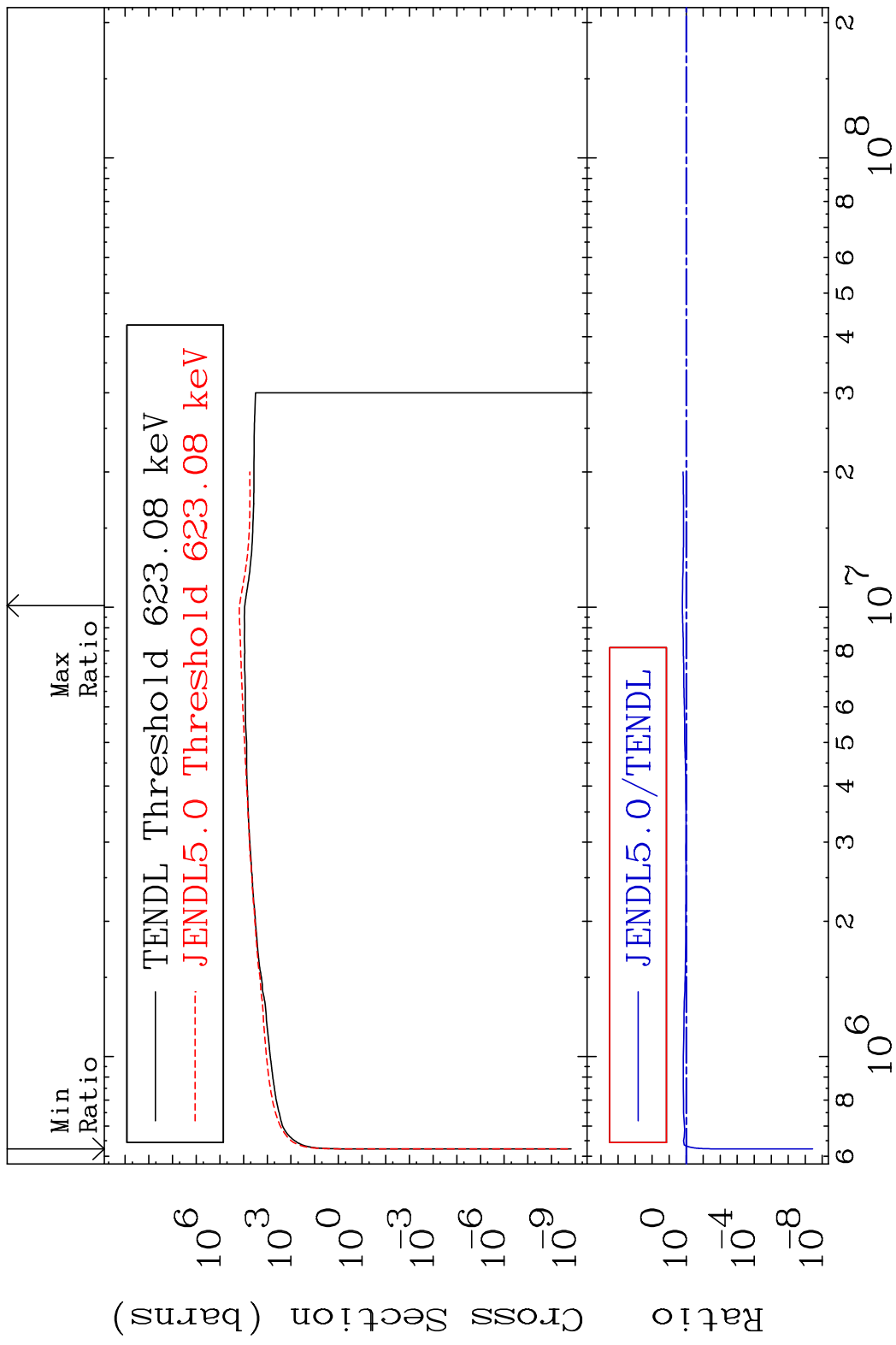


60

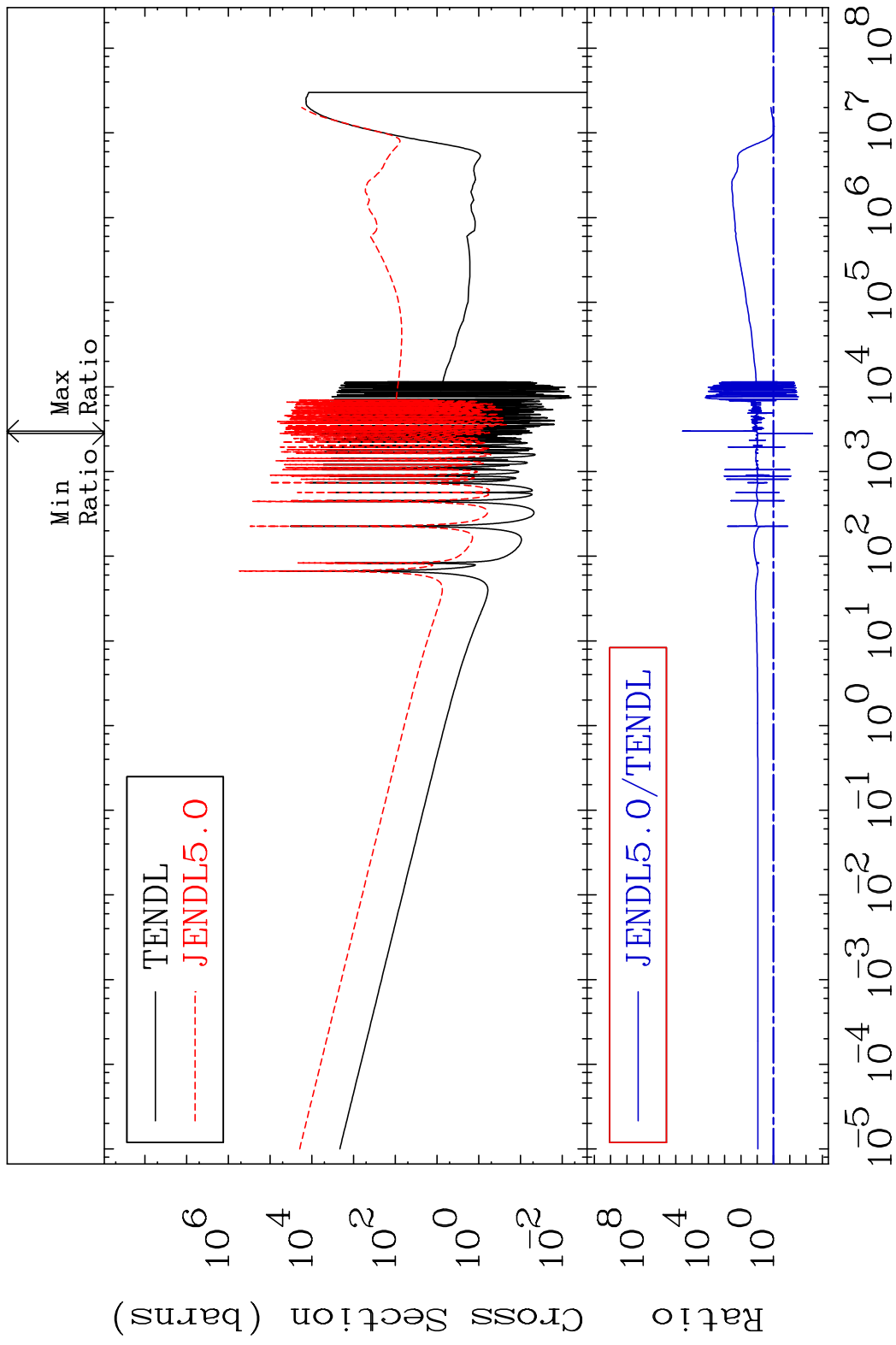
Incident Energy (eV)

48-Cd-112

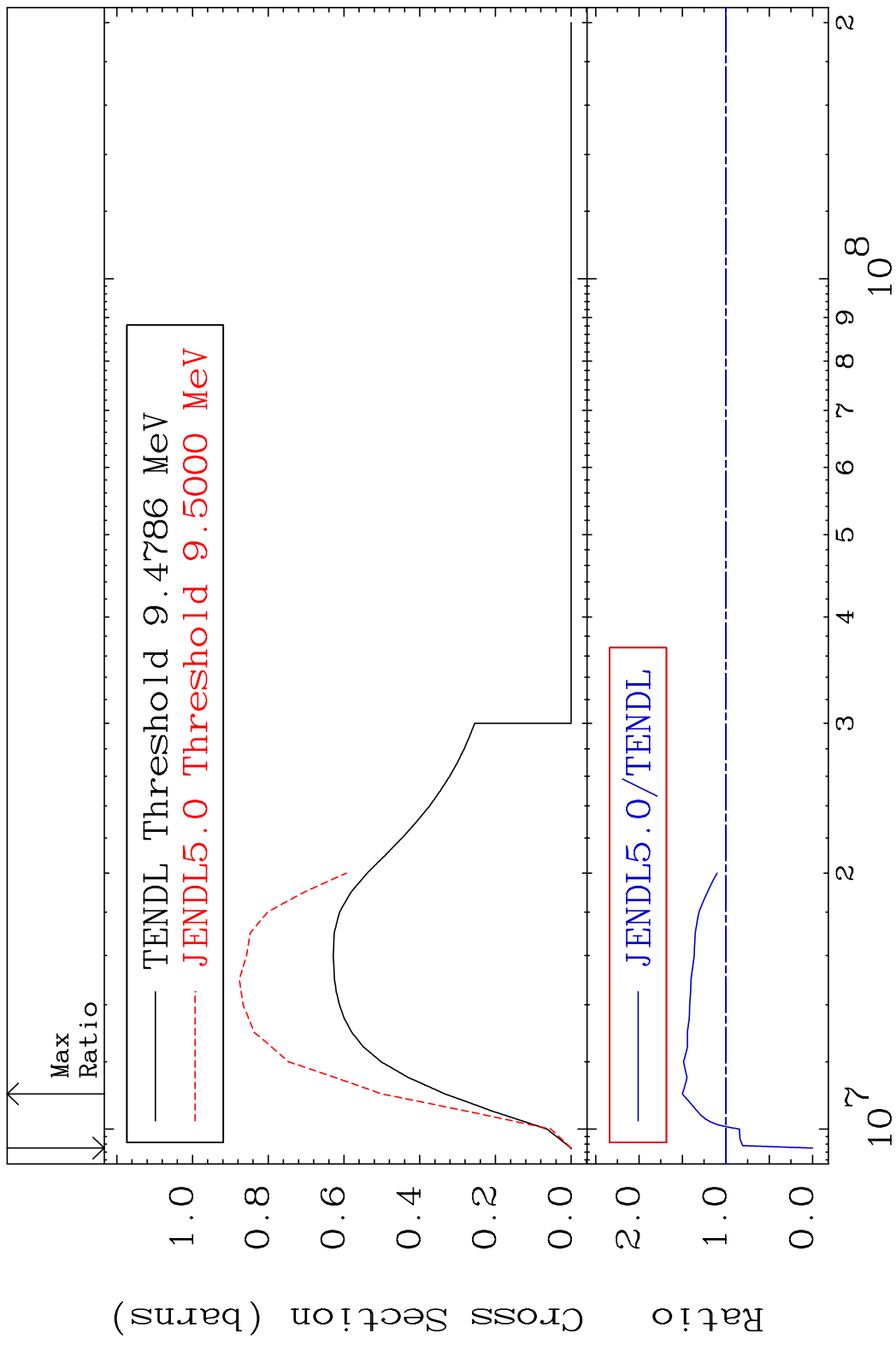
MAT 4843 Dpa inelastic (mt51-91) 48-Cd-112
 Cross Section -100.0 To 67.31 %



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

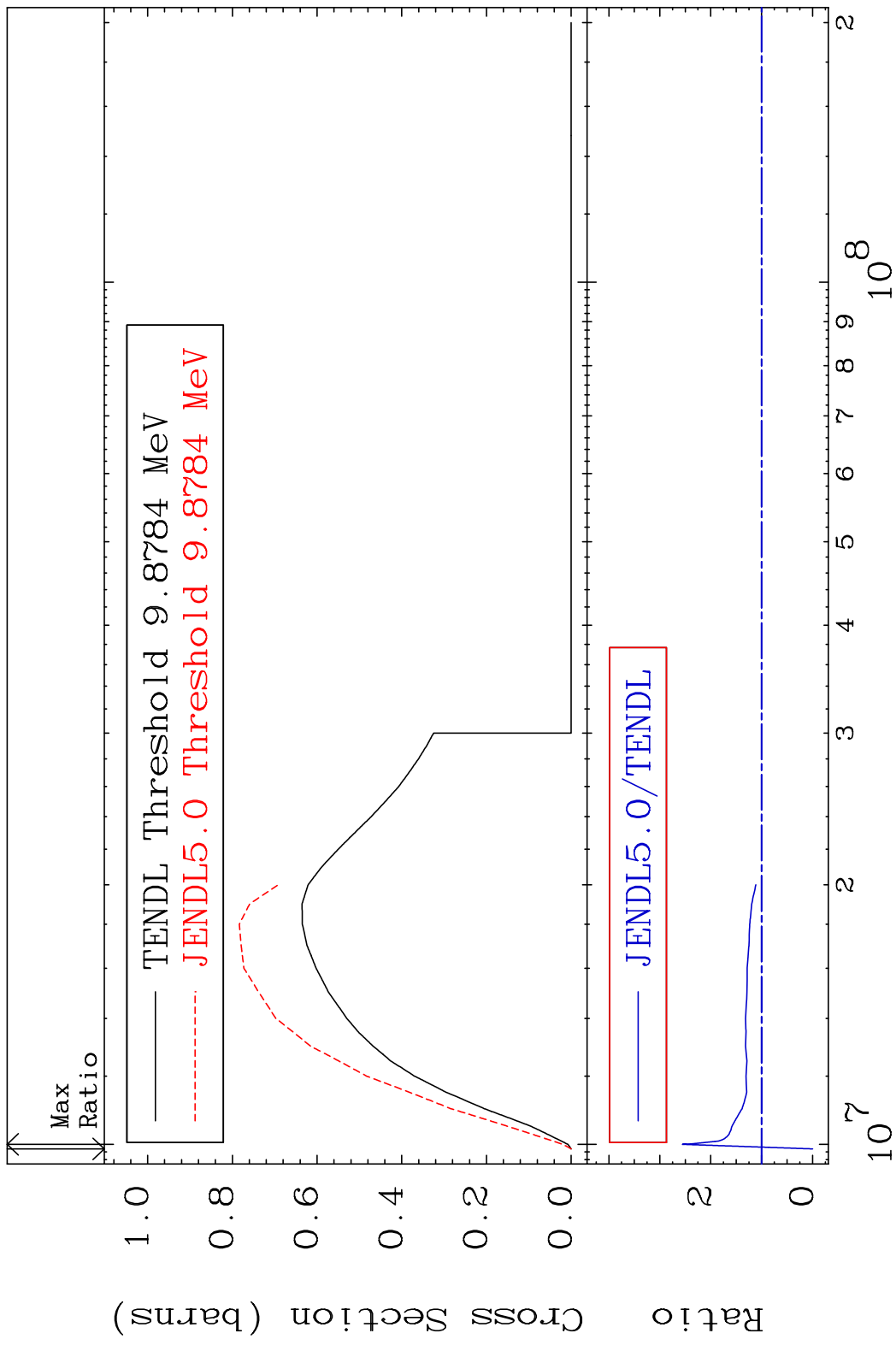


MAT 4843 (n,2n):48-Cd-111g 48-Cd-112
 Radionuclide Production Cross Section 50.13 %

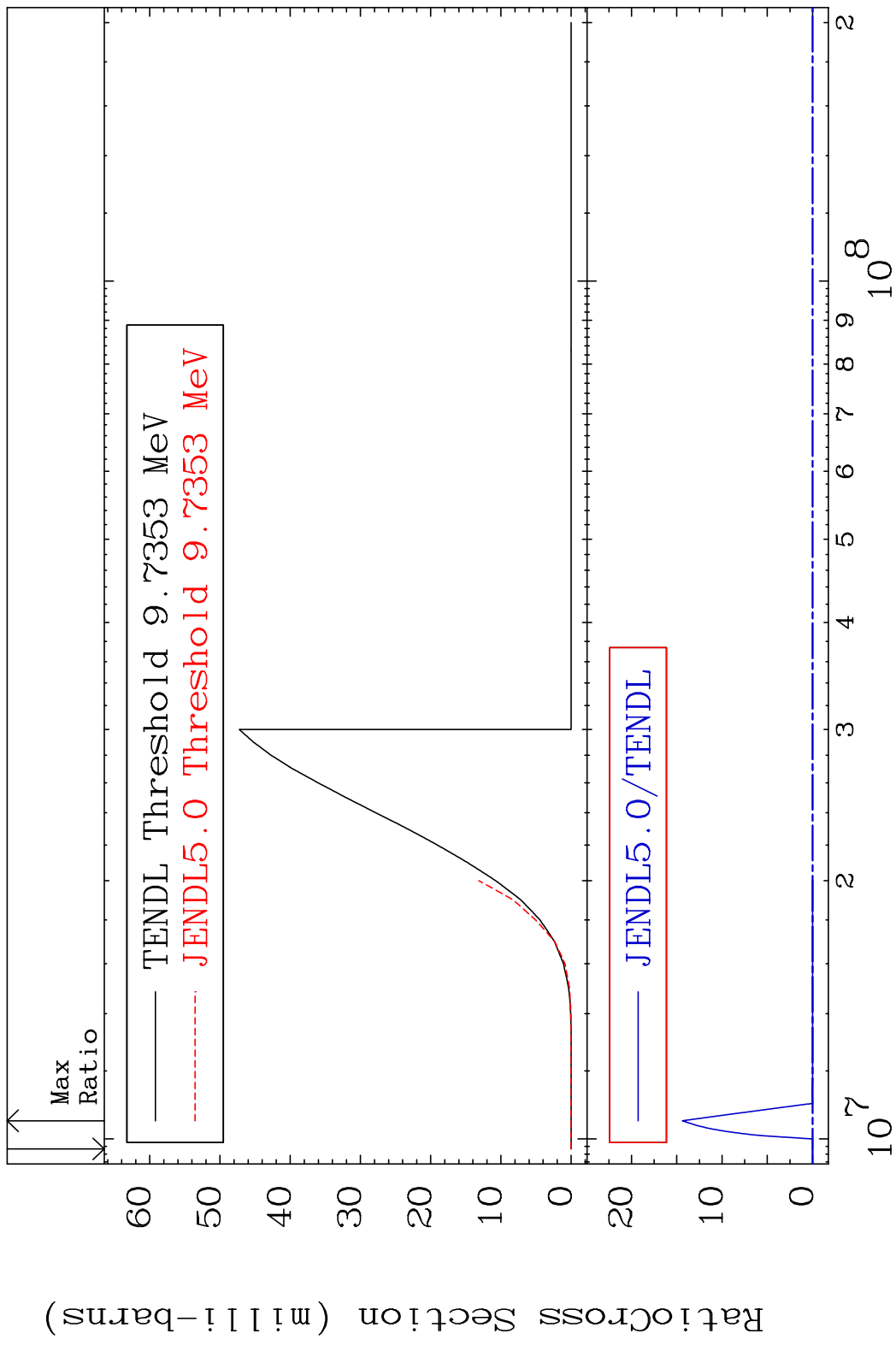


63 Incident Energy (eV) 48-Cd-112

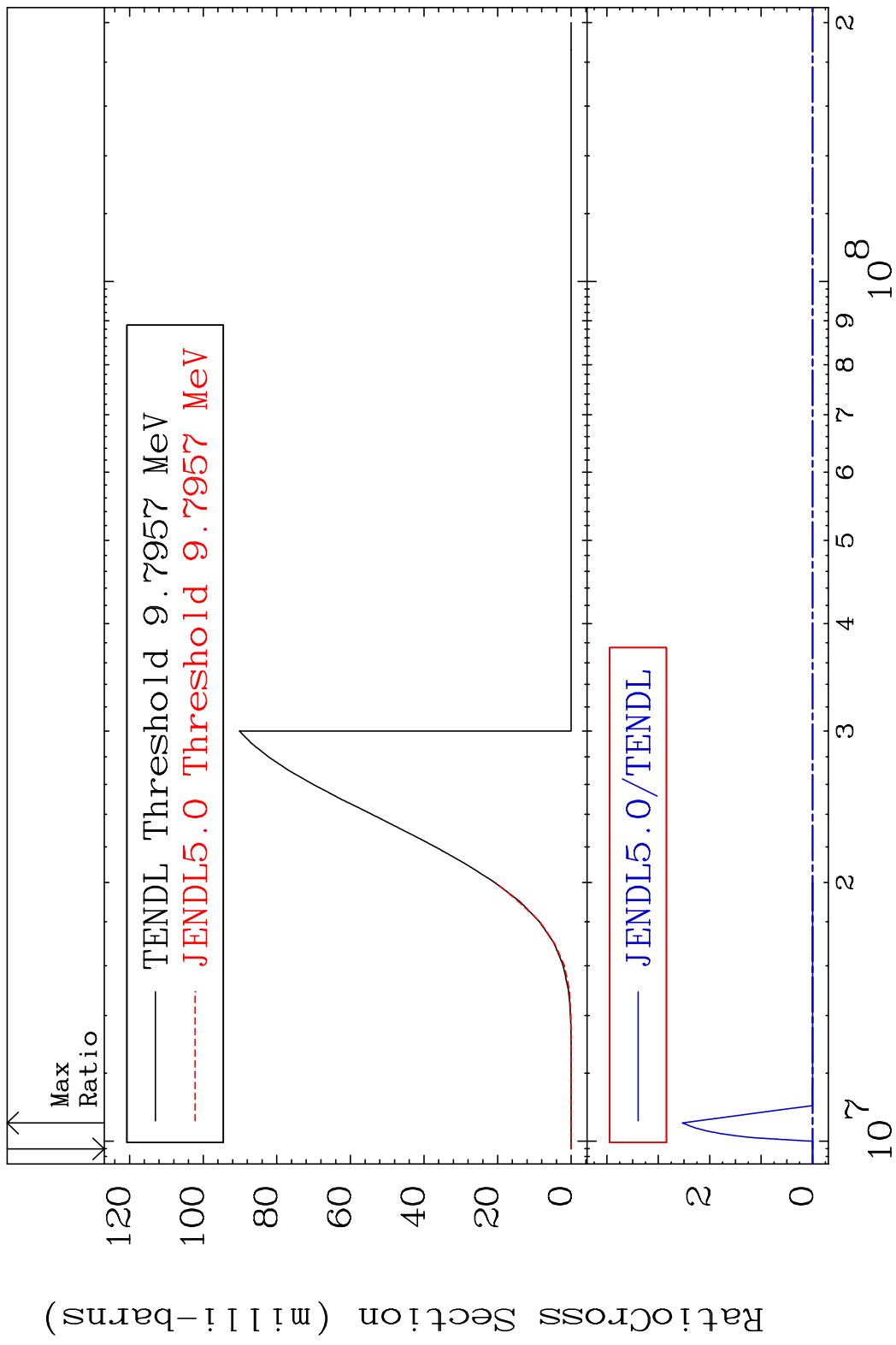
MAT 4843 (n,2n): 48-Cd-111m3 48-Cd-112
 Radionuclide Production Cross Section 155.7 %



64 Incident Energy (eV) 48-Cd-112

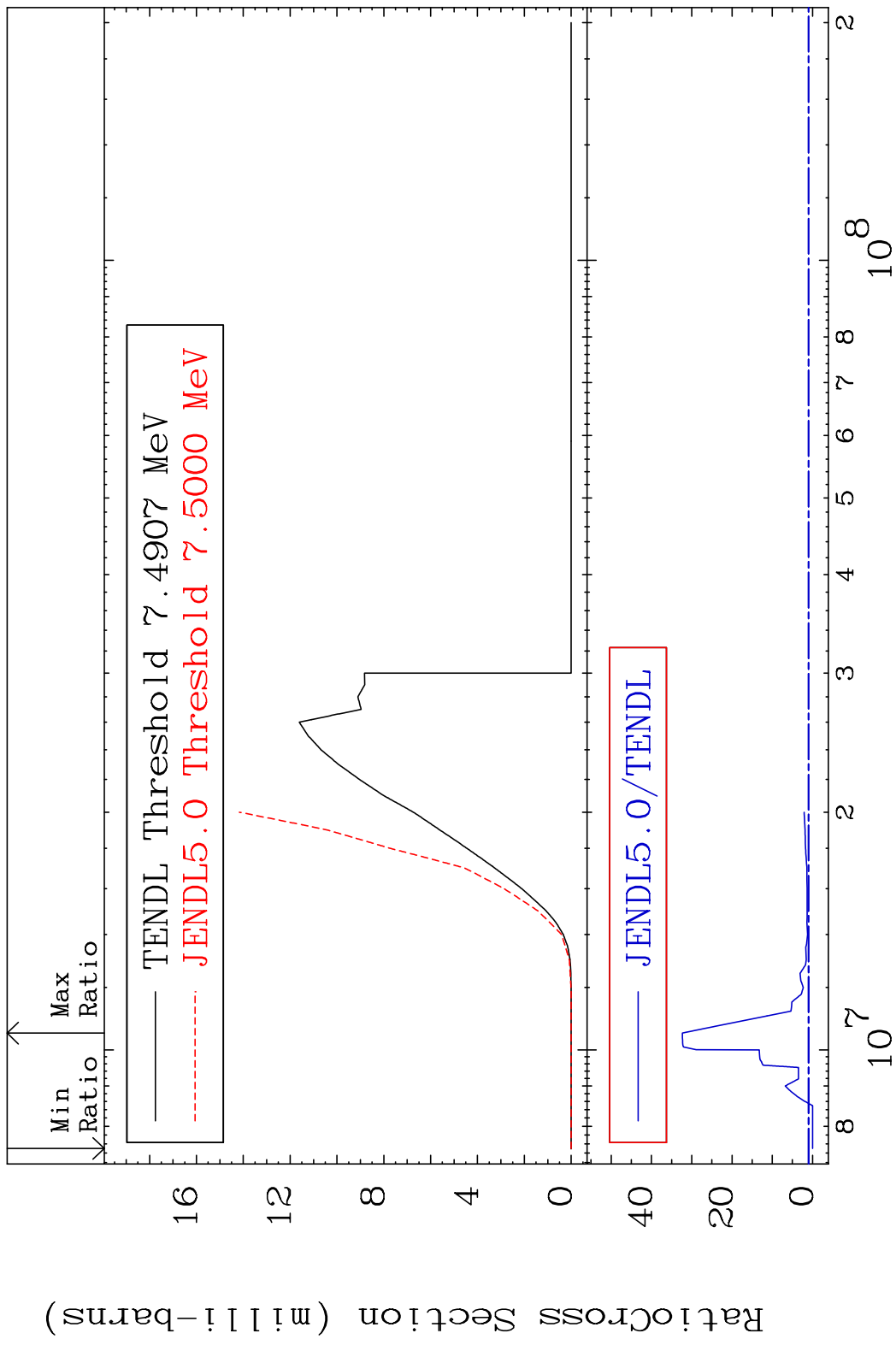


MAT 4843 (n, n') p:47-Ag-111m1 48-Cd-112
 Radionuclide Production Cross Section Ratio



66 Incident Energy (eV) 48-Cd-112

MAT 4843 (n,d):47-Ag-111g 48-Cd-112
 Radionuclide Production Cross Section 100.00 %
 3133. %



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

