

Program Complot
(Version 2021-1)

by

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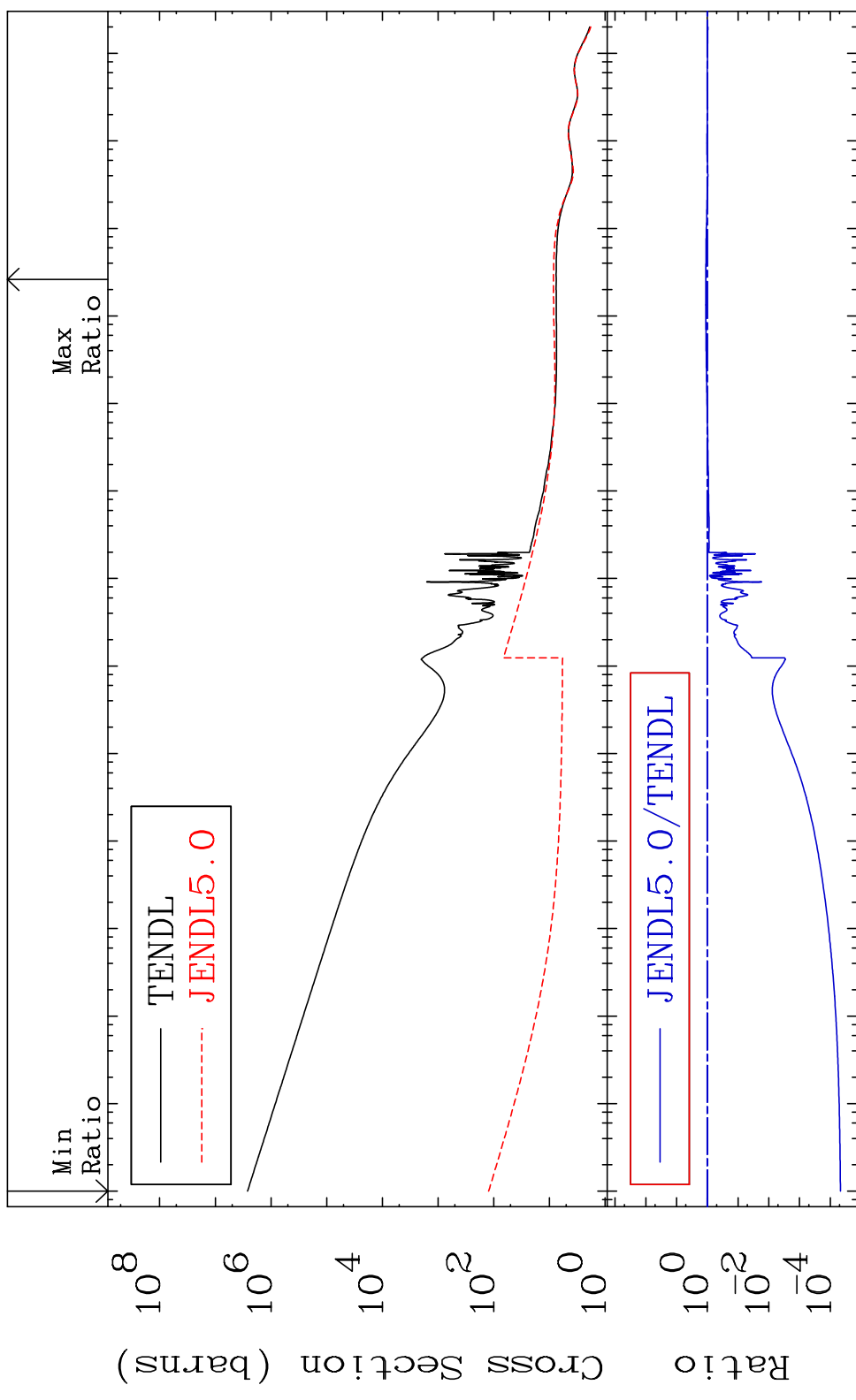
Press Mouse Button to Start

MAT 4847

Total

48-Cd-113m

Cross Section -100.0 To 12.23 %



1

Incident Energy (eV)

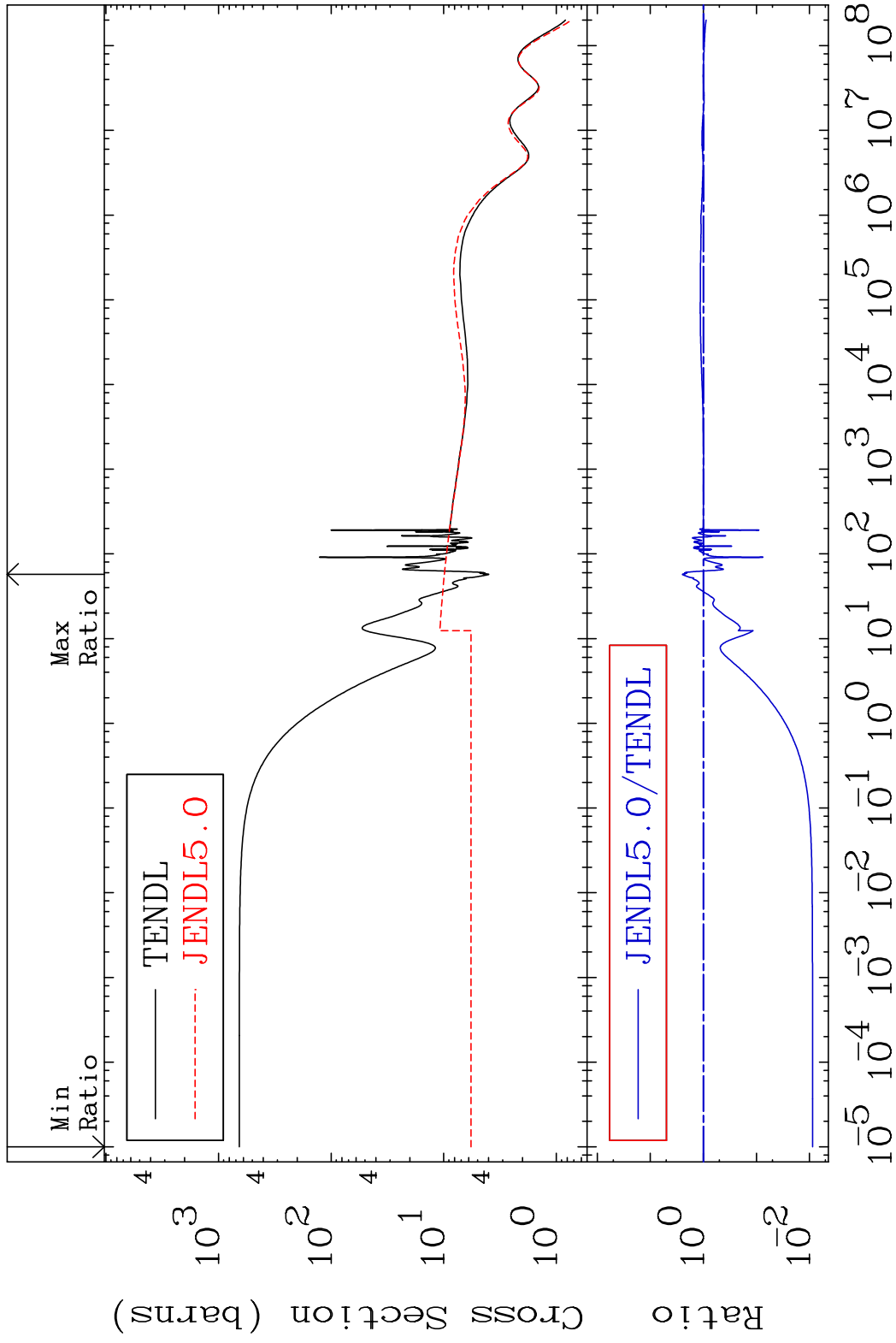
48-Cd-113m

MAT 4847

Elastic

48-Cd-113m

Cross Section -99.12 To 149.2 %

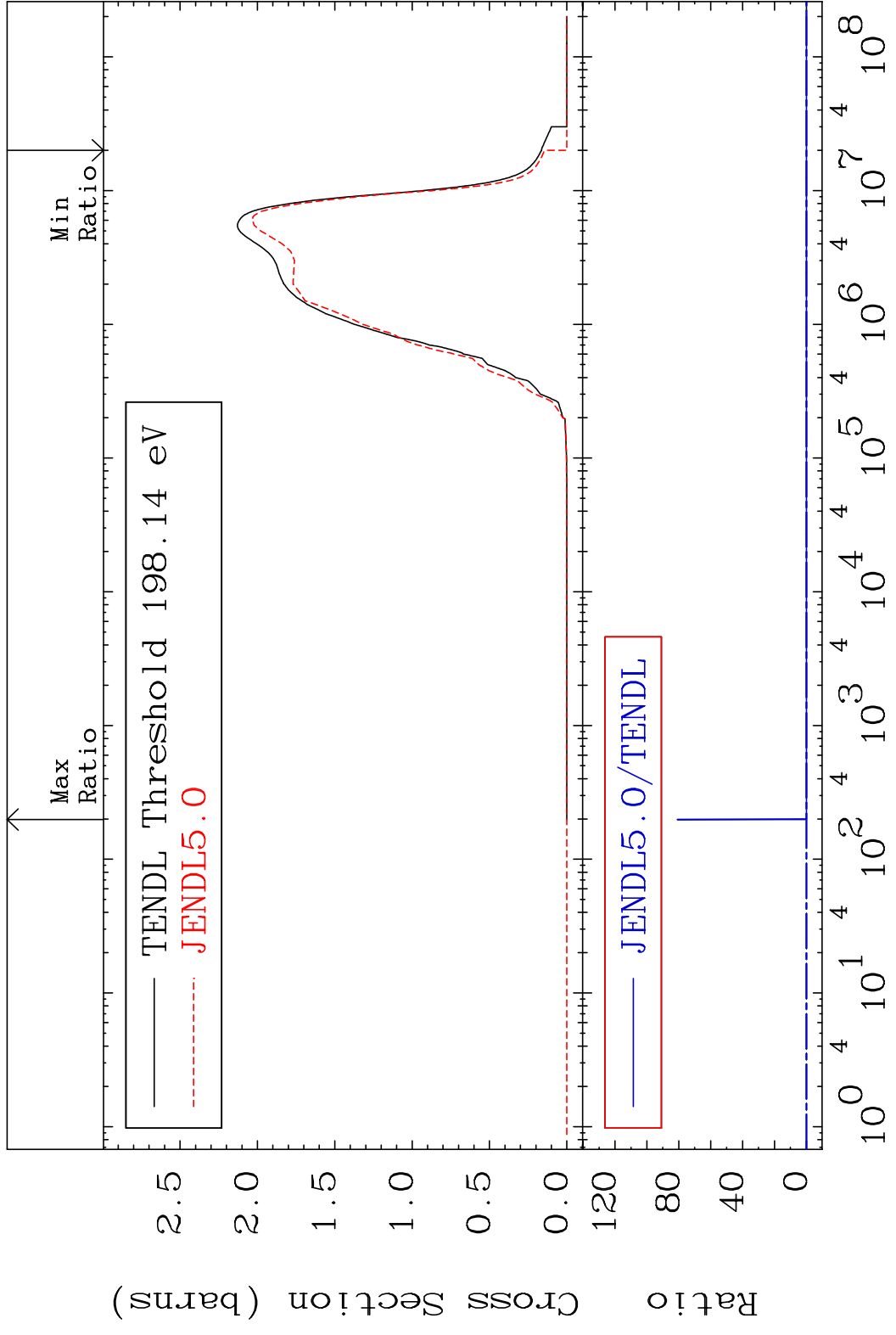


2

Incident Energy (eV)

48-Cd-113m

MAT 4847 Inelastic Cross Section -100.0 To 9999. % 48-Cd-113m



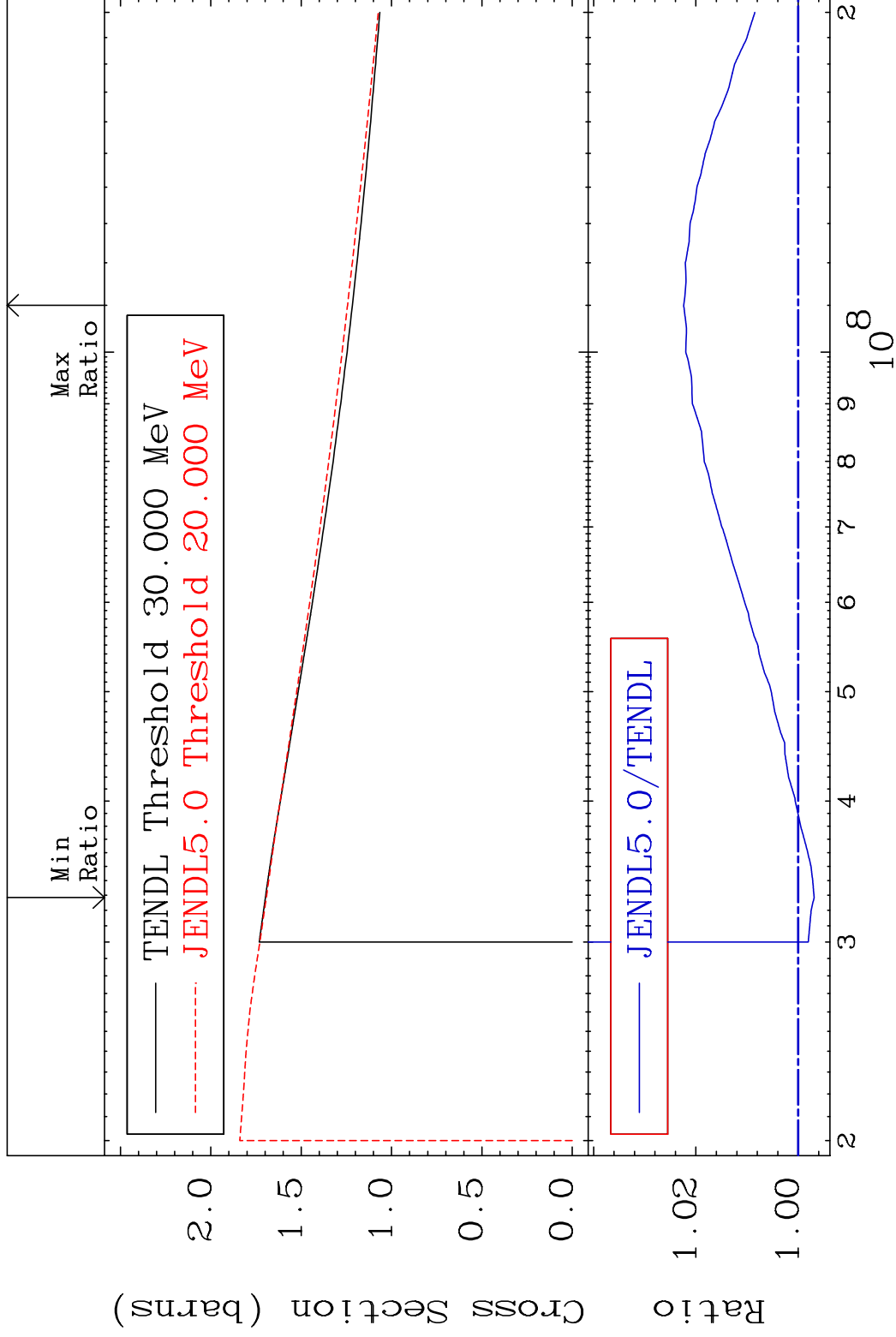
3 Incident Energy (eV) 48-Cd-113m

MAT 4847

(n, remainder)

48-Cd-113m

Cross Section -0.311 To 2.239 %



4

Incident Energy (eV)

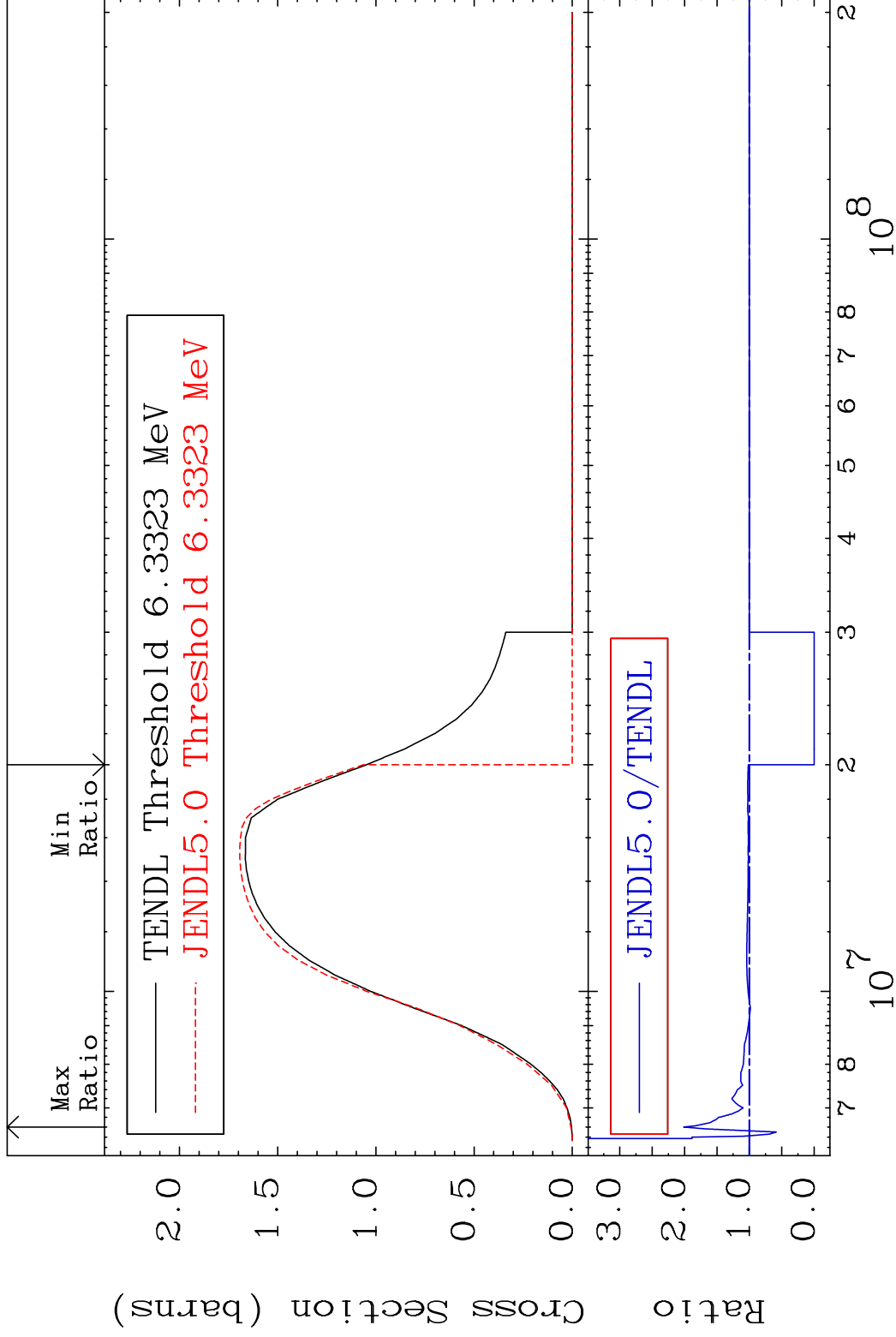
48-Cd-113m

MAT 4847

(n,2n)

48-Cd-113m

Cross Section -100.0 To 101.4 %



5

Incident Energy (eV)

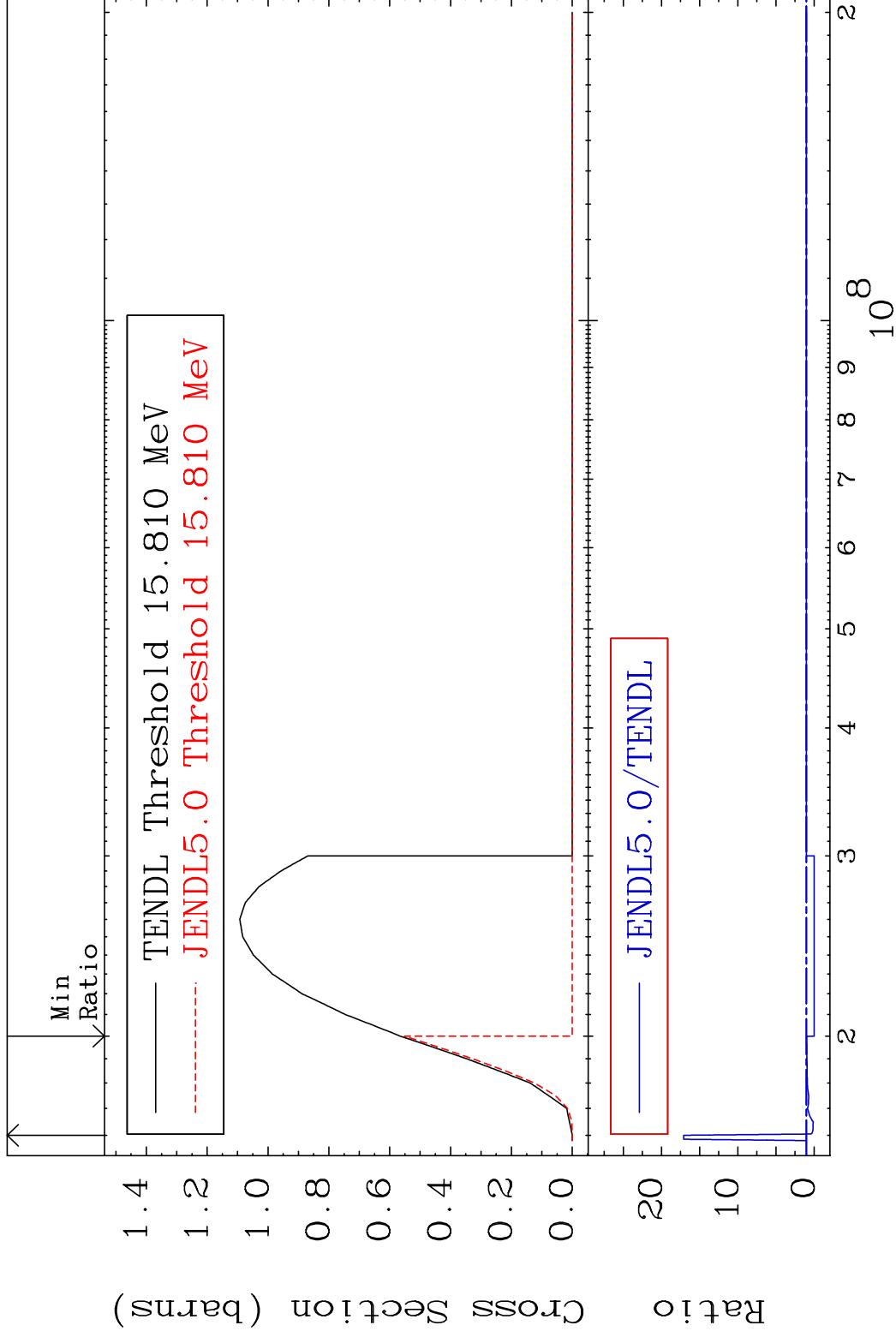
48-Cd-113m

MAT 4847

(n,3n)

48-Cd-113m

Cross Section -100.0 To 1609. %



6

Incident Energy (eV)

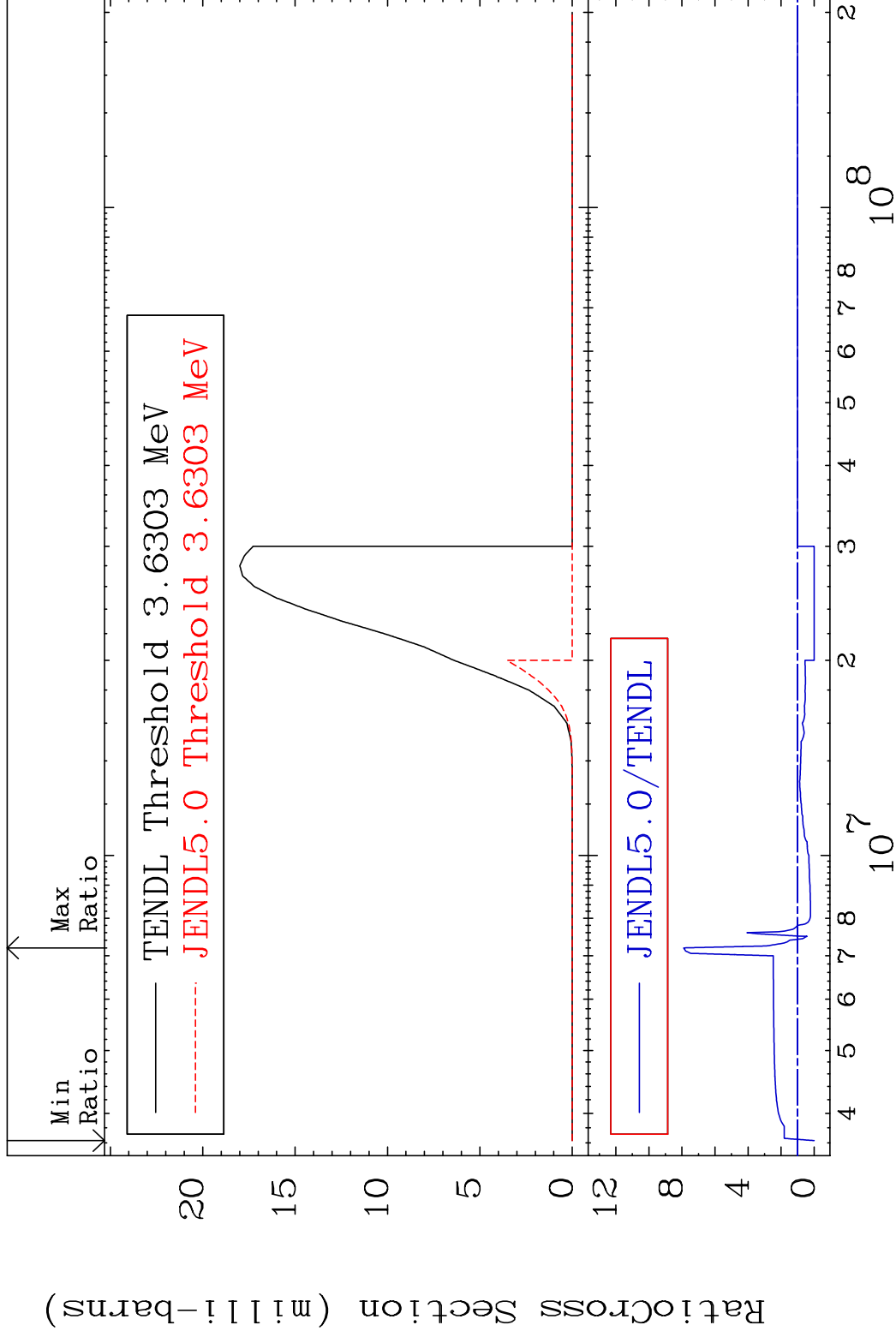
48-Cd-113m

MAT 4847

(n, n') α

48-Cd-113m

Cross Section -100.0 To 689.6 %



7

Incident Energy (eV)

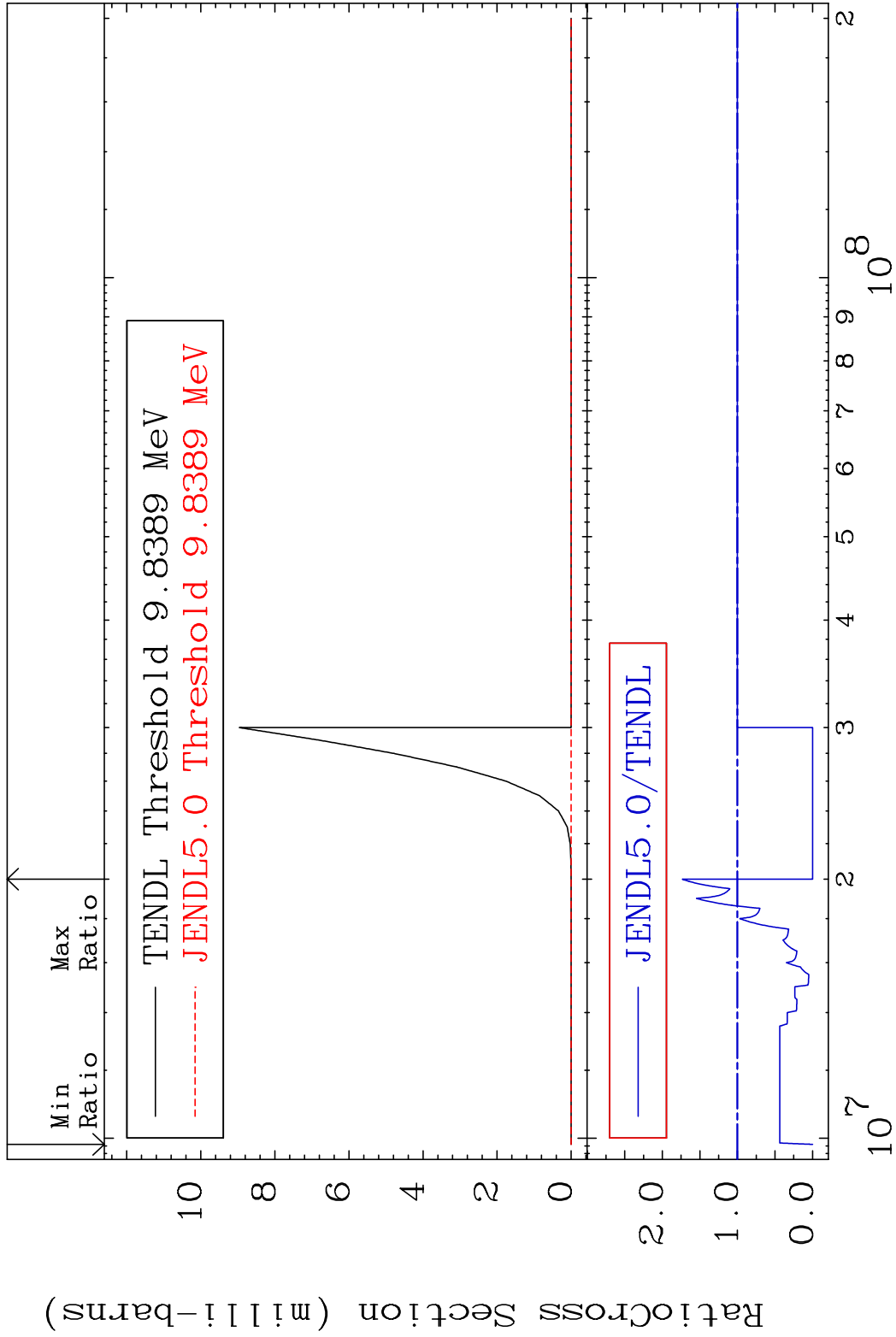
48-Cd-113m

MAT 4847

(n,2n) α

48-Cd-113m

Cross Section -100.0 To 73.33 %

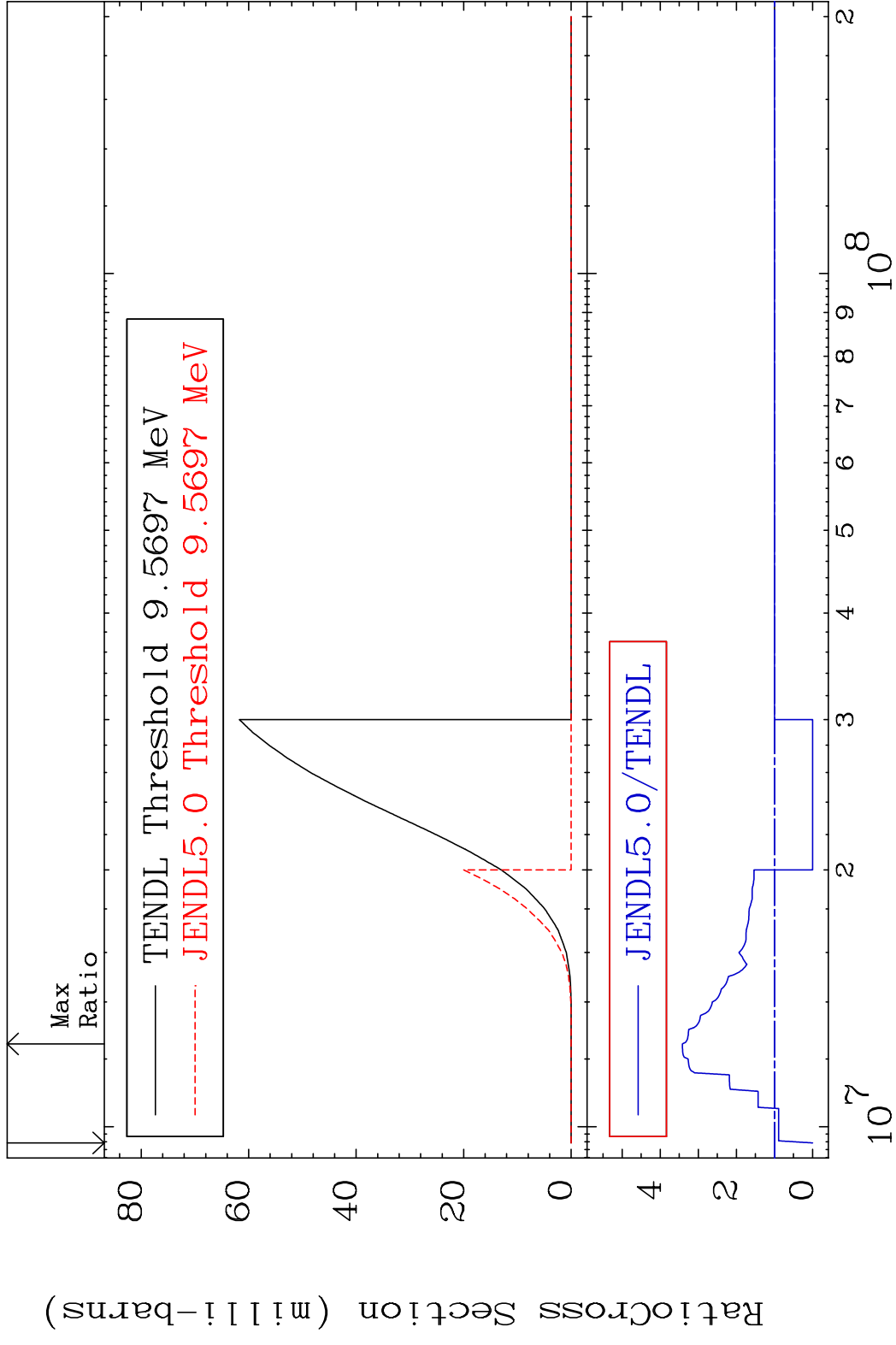


8

Incident Energy (eV)

48-Cd-113m

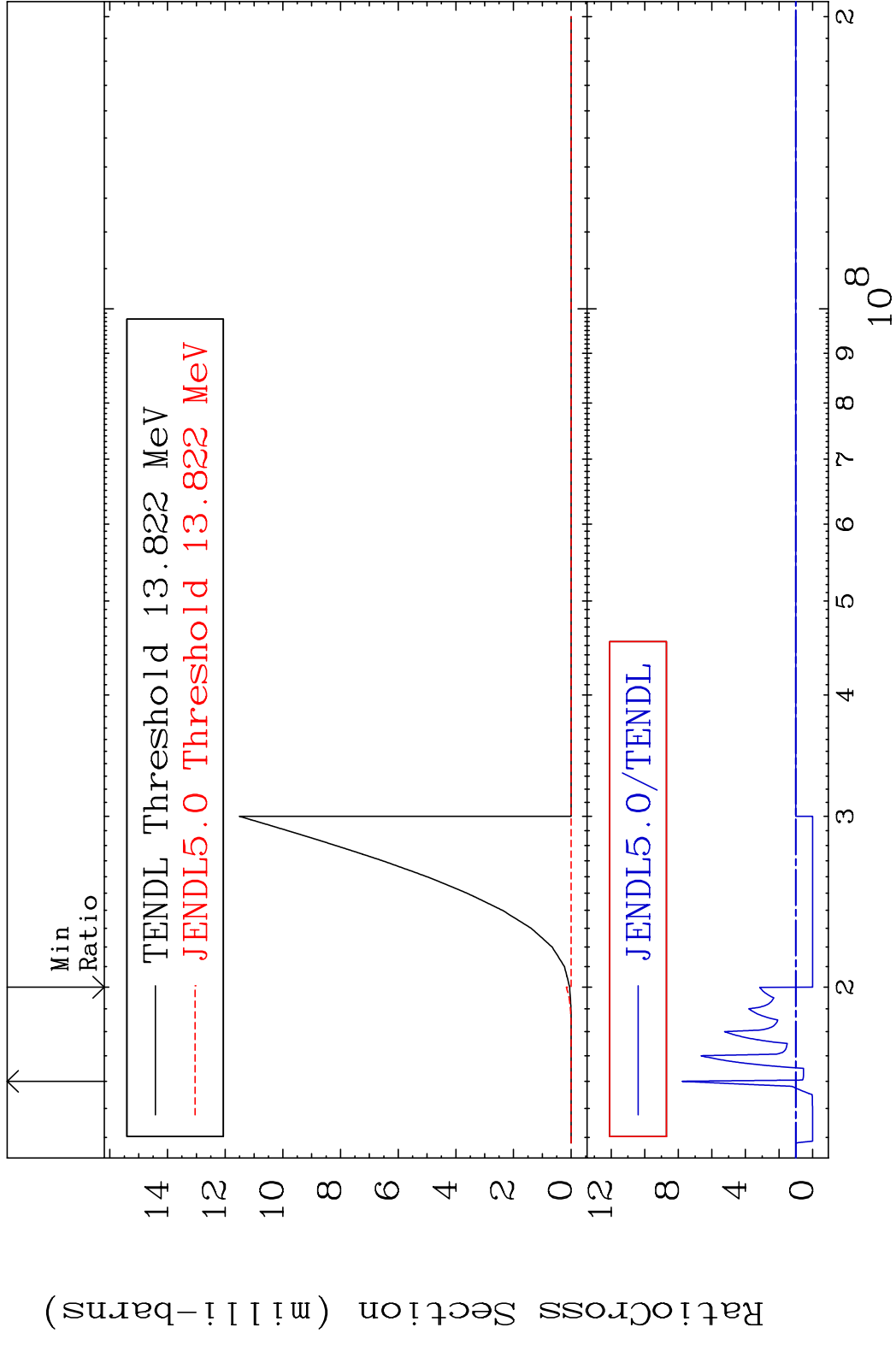
MAT 4847 (n, n') p 48-Cd-113m
 Cross Section -100.0 To 241.9 %



9 9 8 8 7 7 6 6 5 5 4 4 3 3 2 2

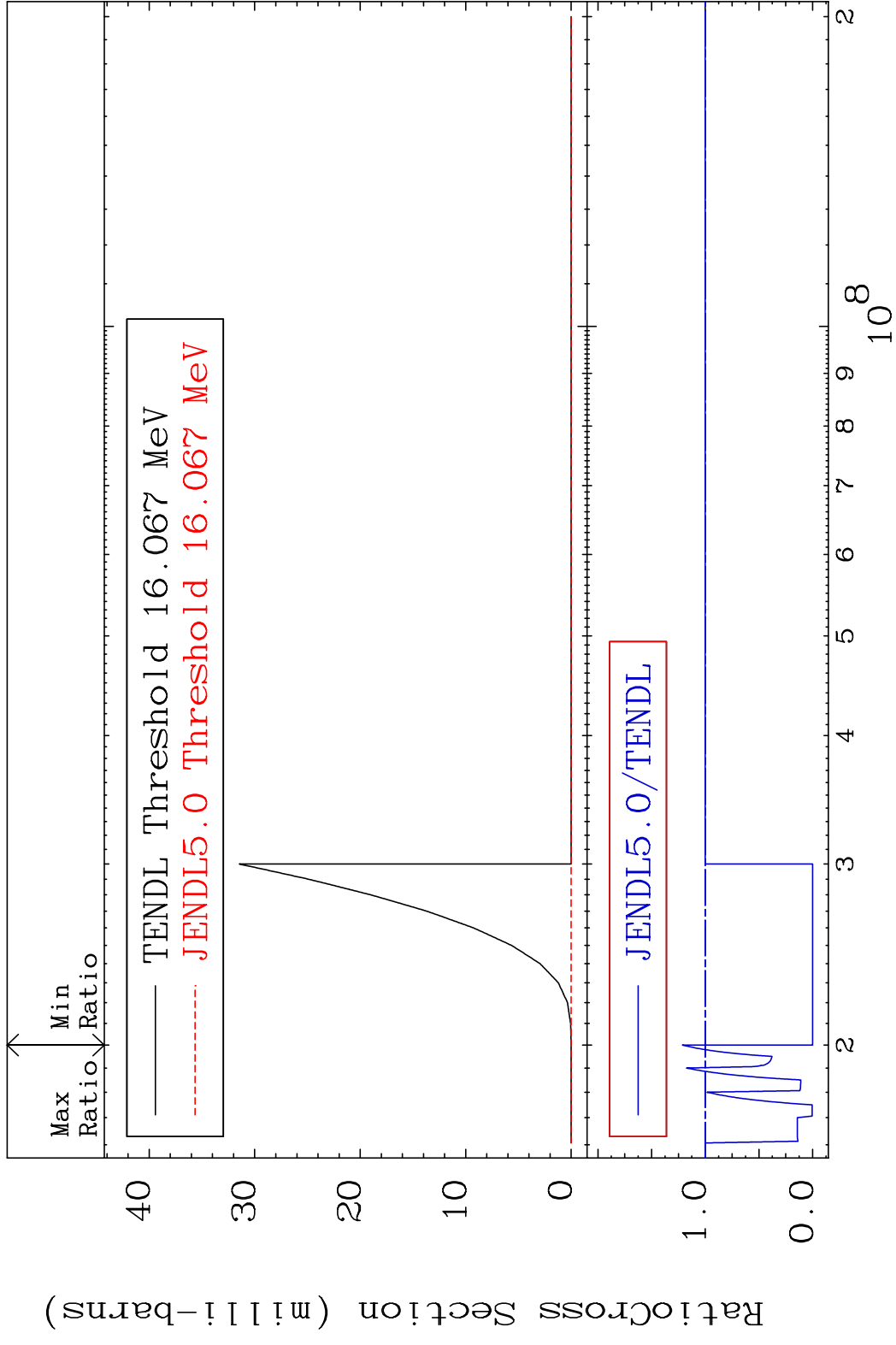
48-Cd-113m

MAT 4847 (n, n') d 48-Cd-113m
 Cross Section -100.0 To 675.9 %

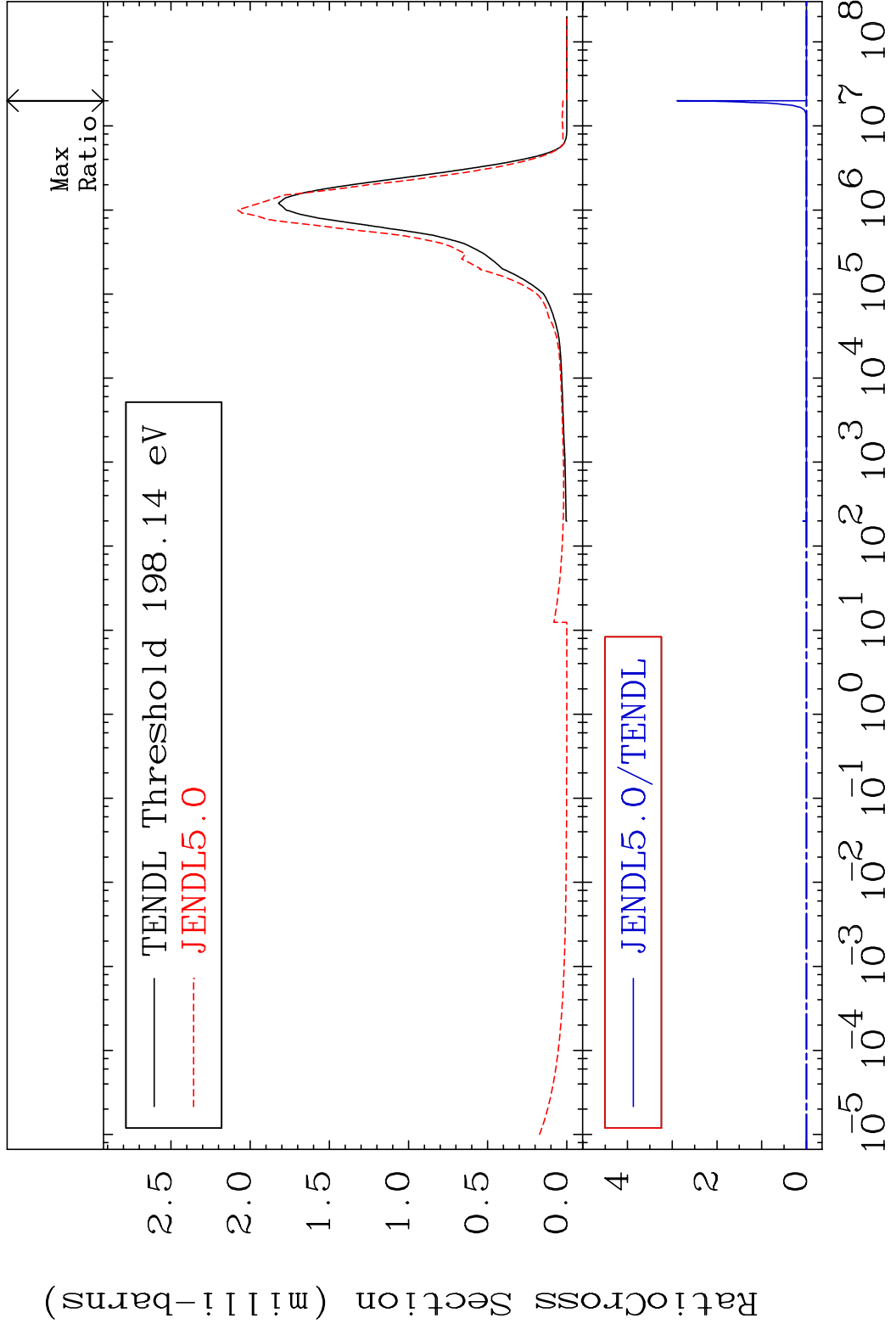


10 Incident Energy (eV) 48-Cd-113m

MAT 4847 (n,2n) p 48-Cd-113m
 Cross Section -100.0 To 21.33 %

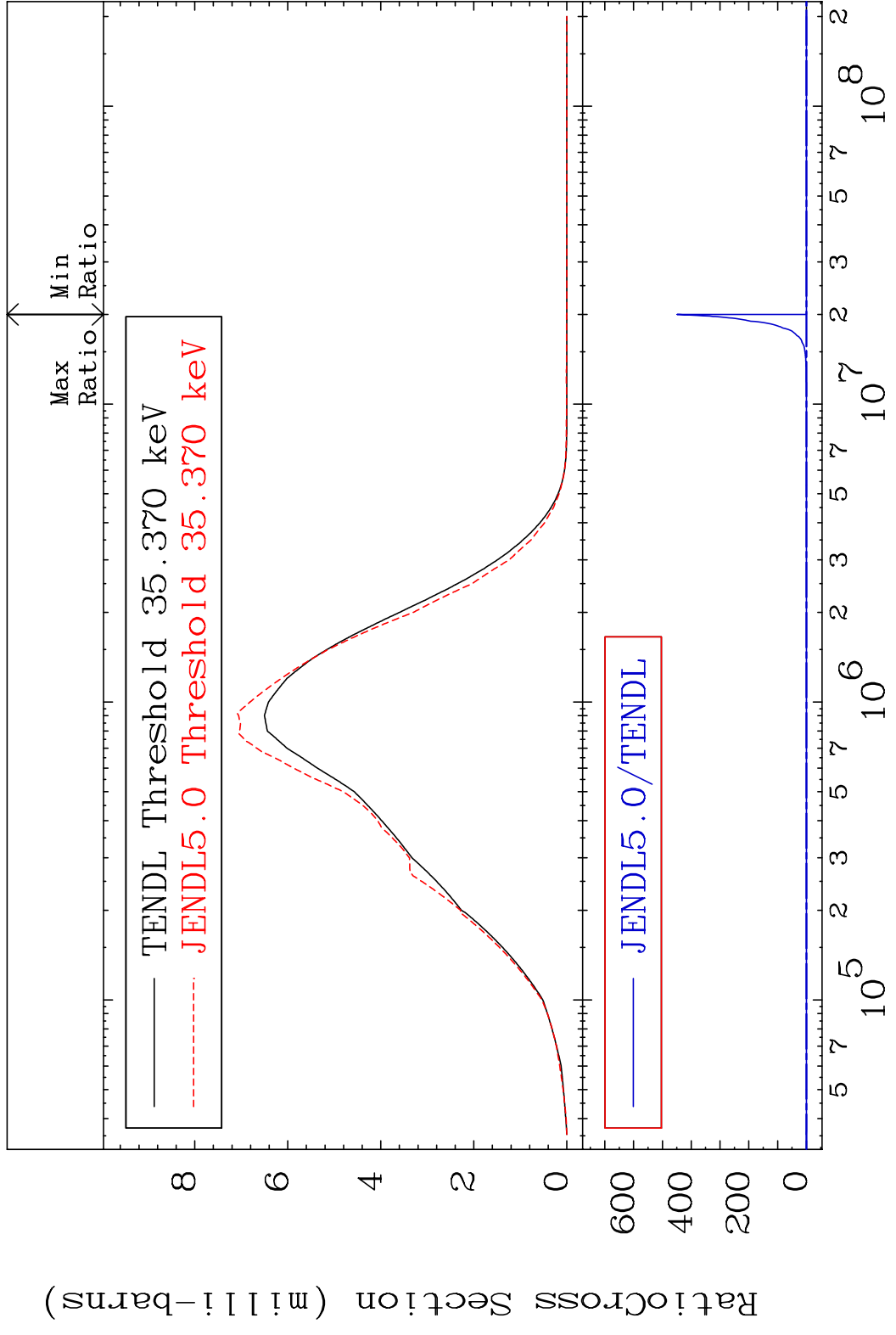


MAT 4847 MT= 51 (n,n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

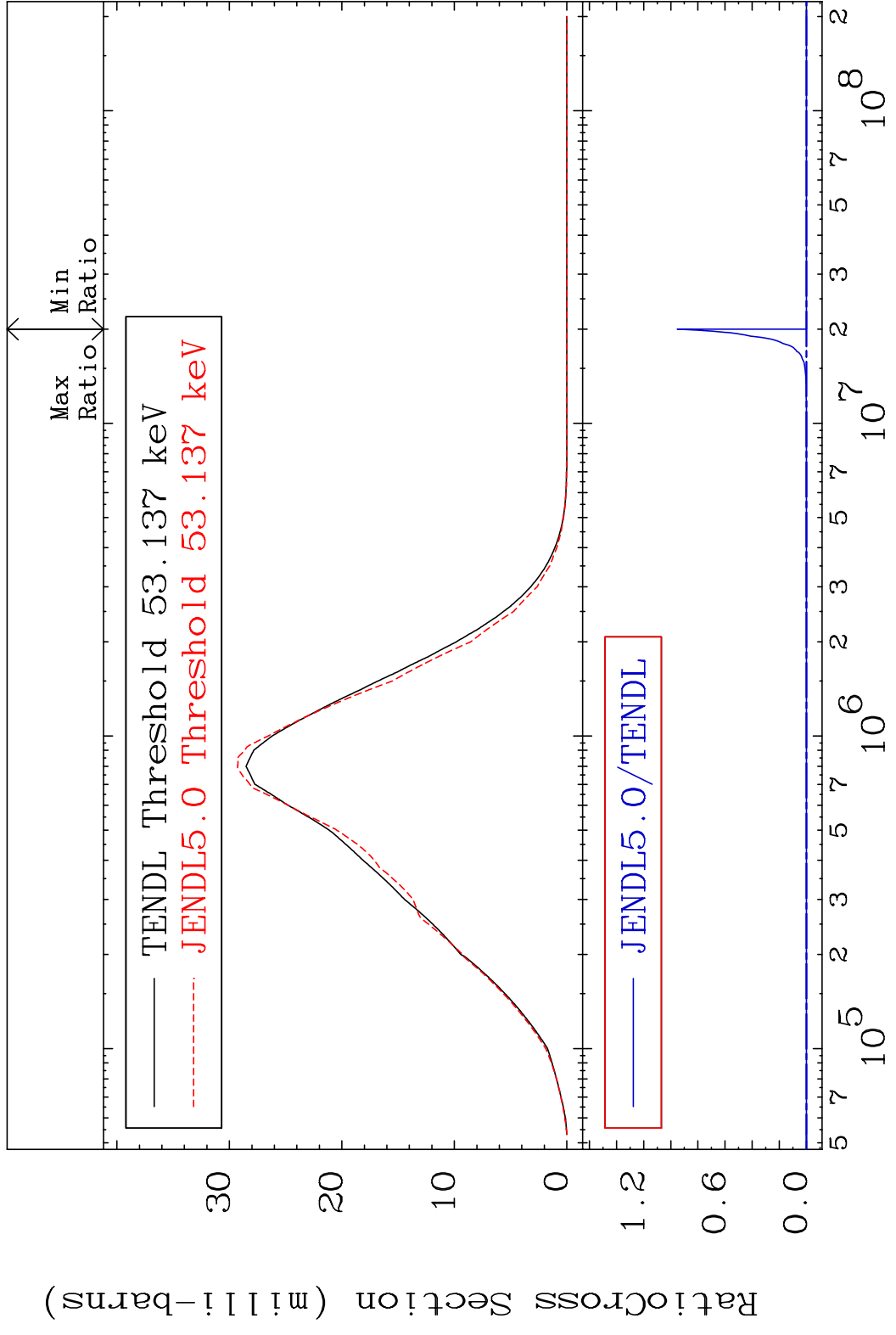


12 Incident Energy (eV) 48-Cd-113m

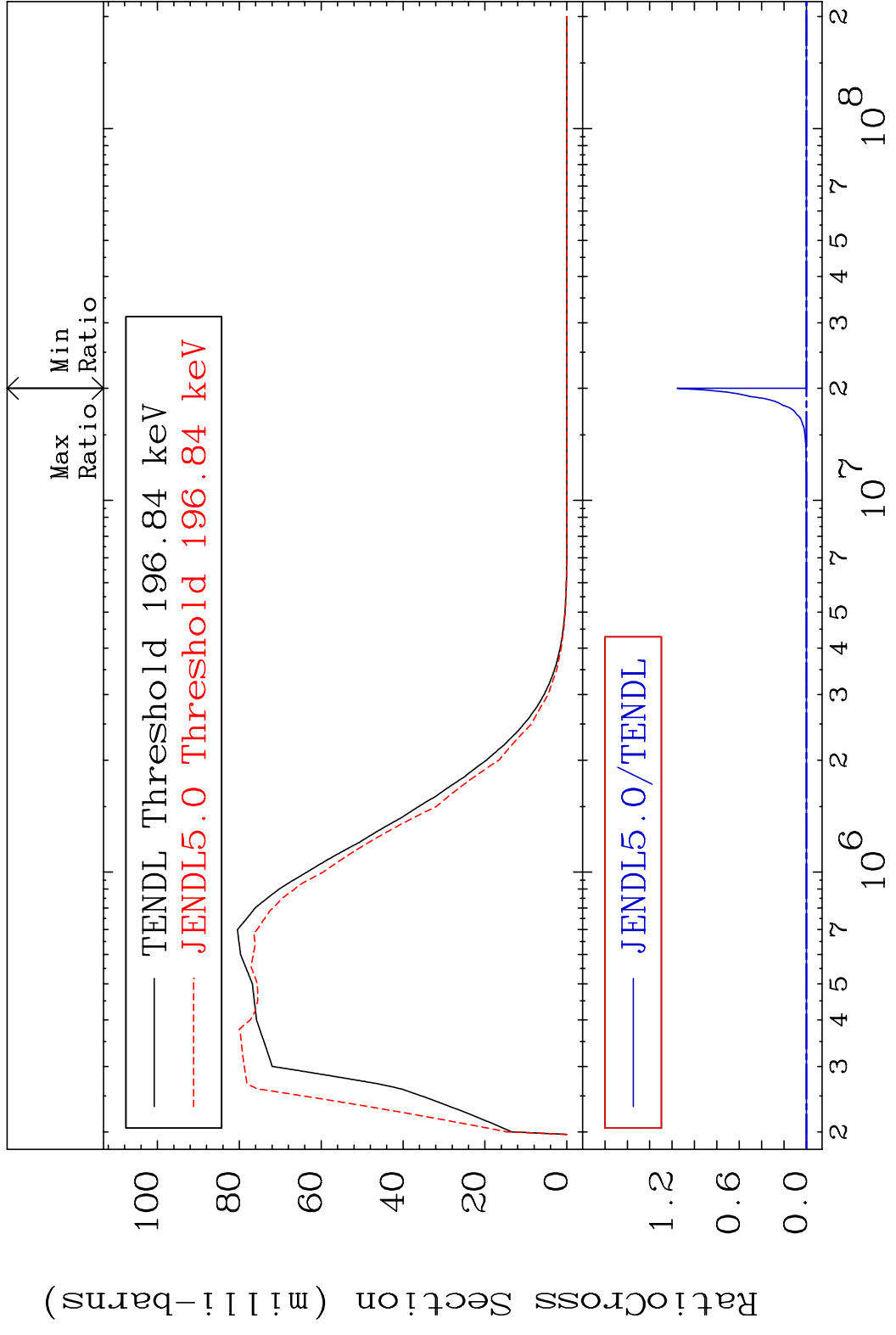
MAT 4847 MT= 52 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



MAT 4847 MT= 53 (n,n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

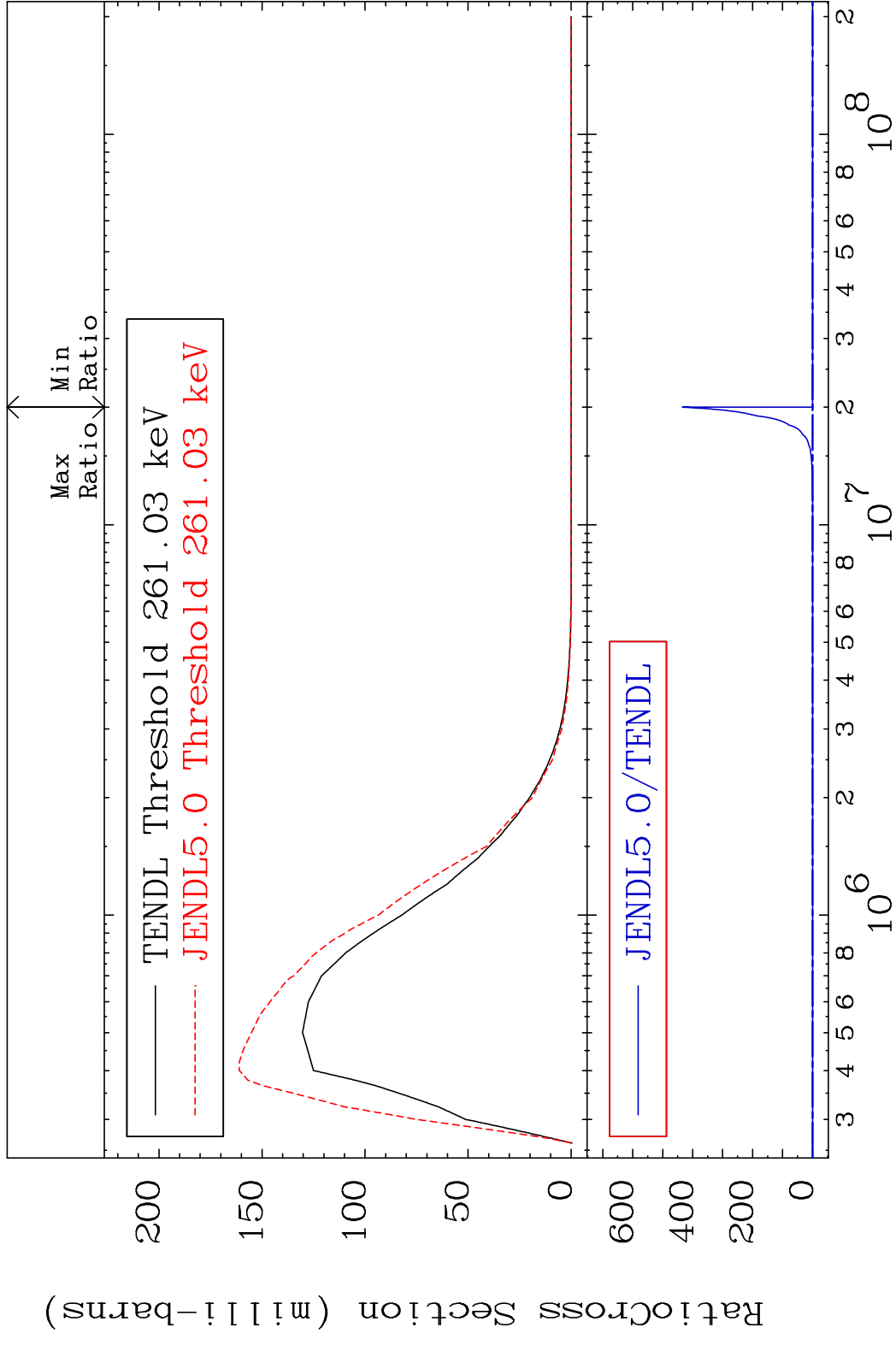


MAT 4847 MT= 54 (n,n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

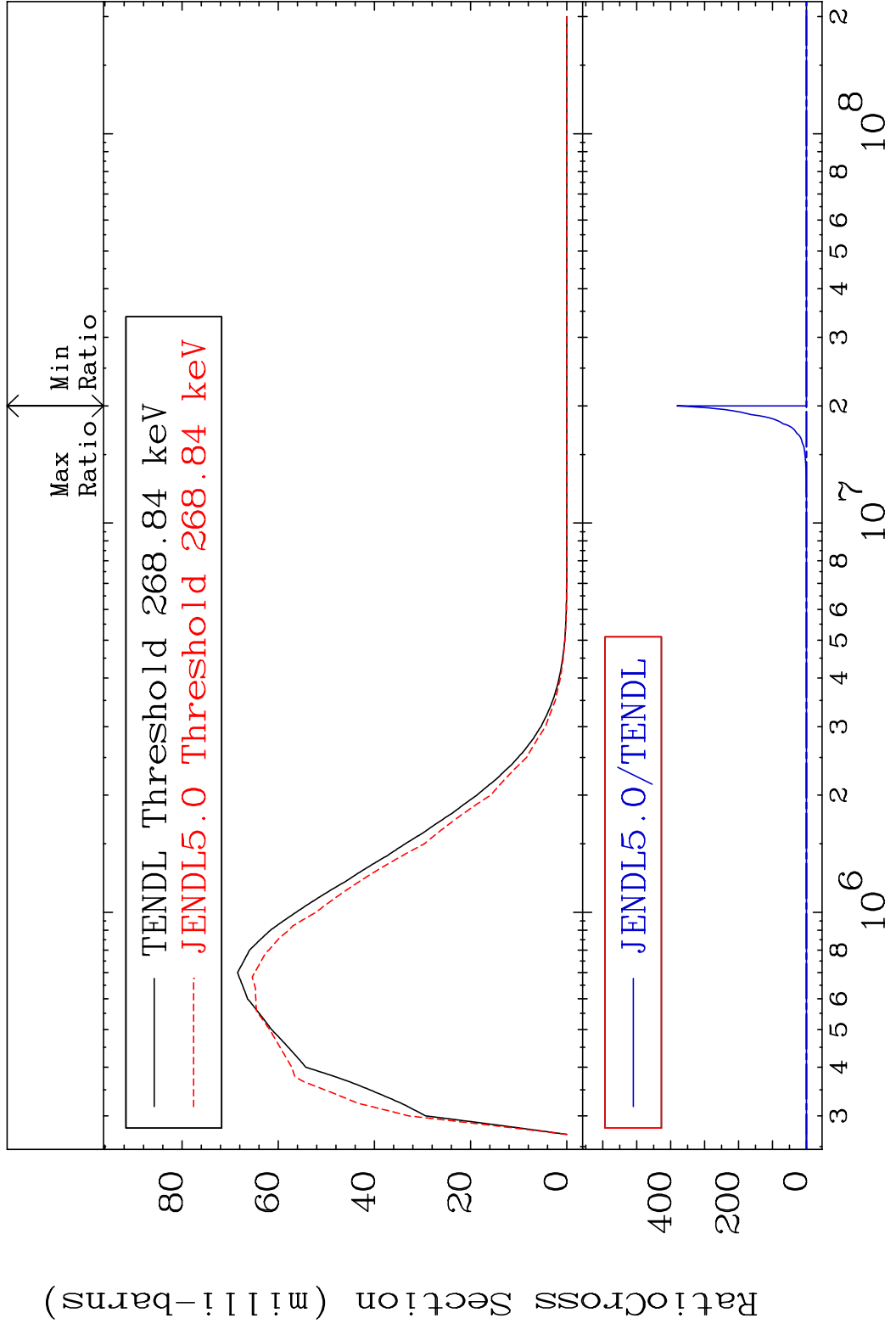


15 Incident Energy (eV) 48-Cd-113m

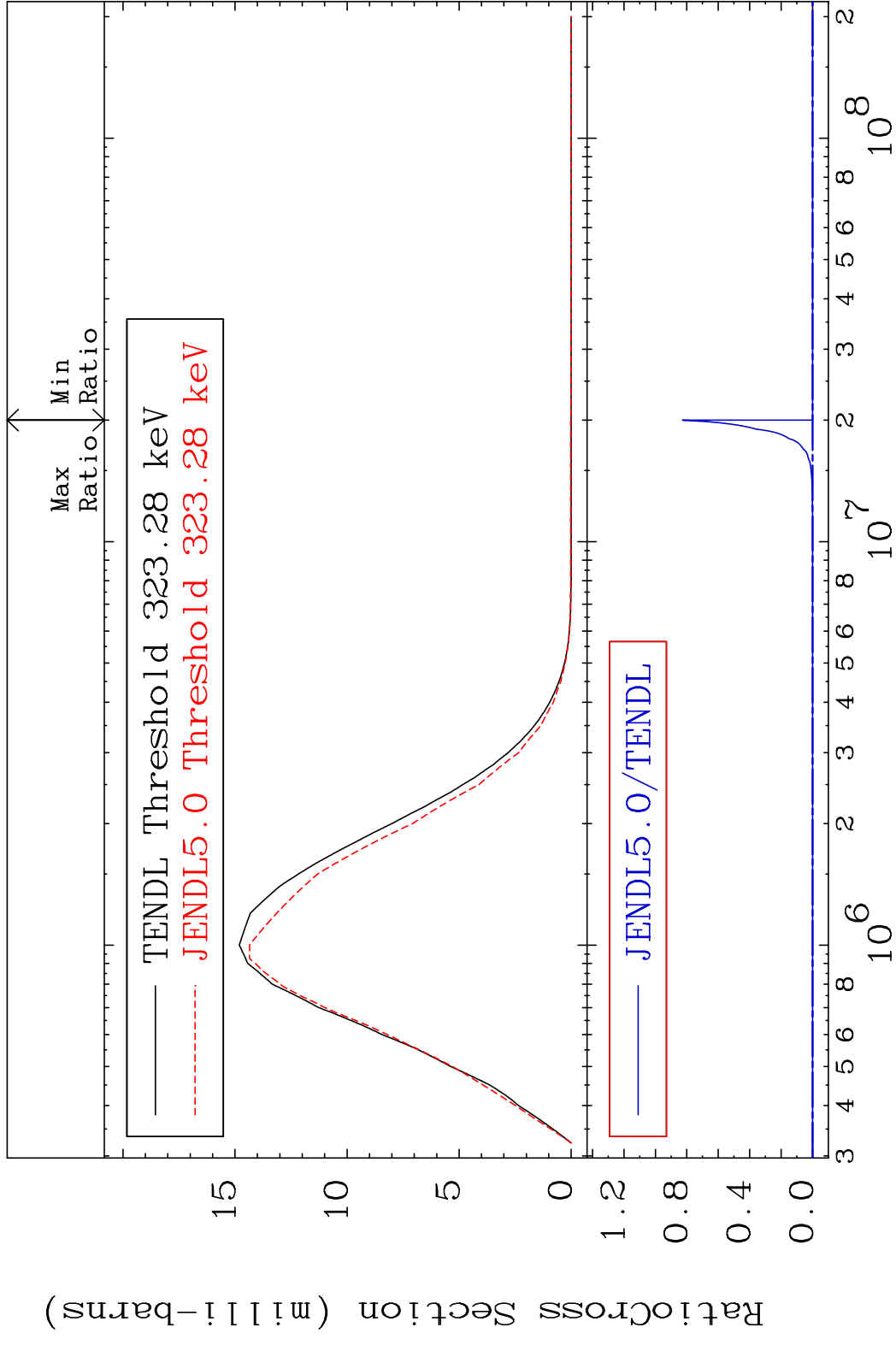
MAT 4847 MT= 55 (n,n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



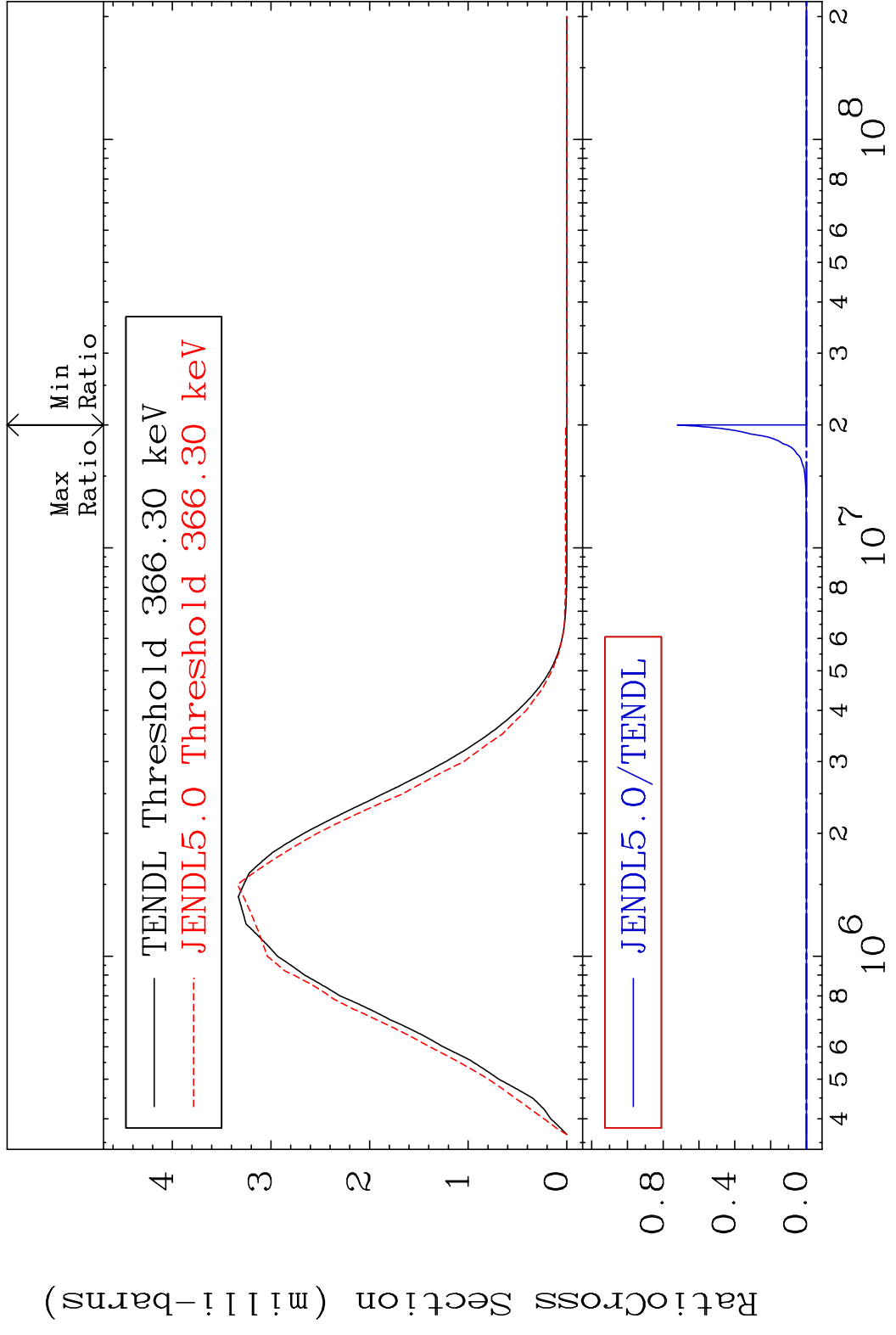
MAT 4847 MT= 56 (n,n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



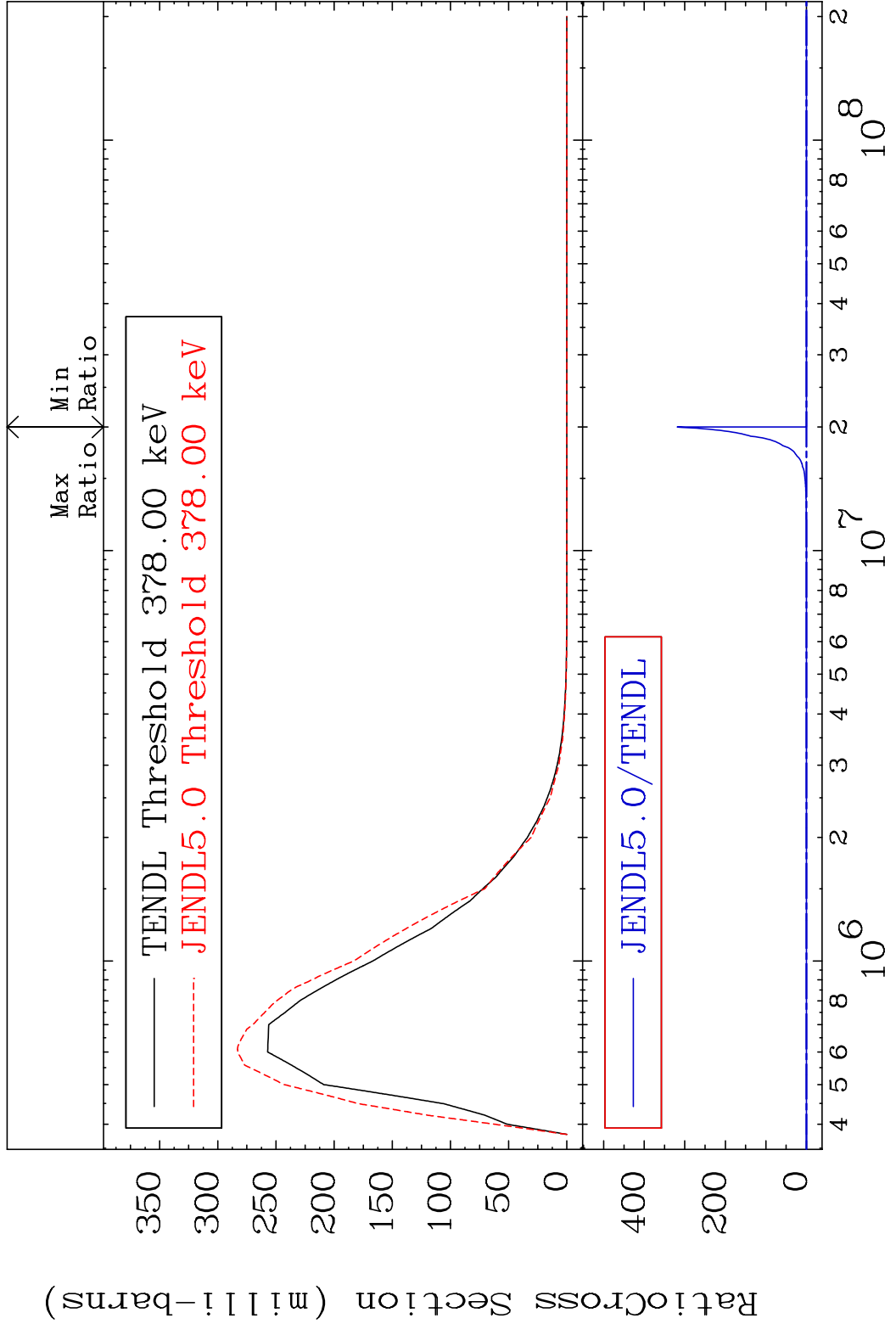
MAT 4847 MT= 57 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



MAT 4847 MT= 58 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

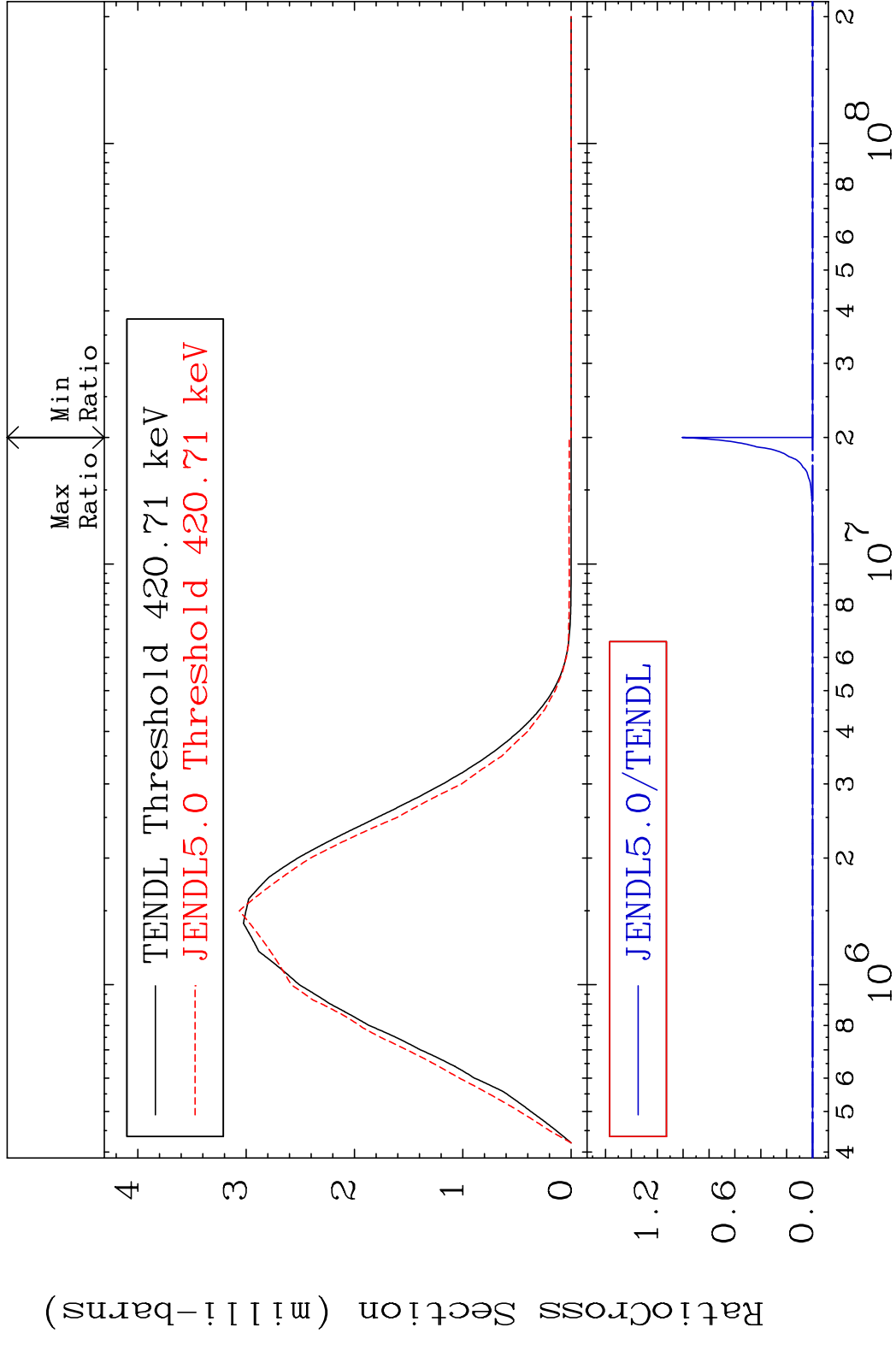


MAT 4847 MT= 59 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

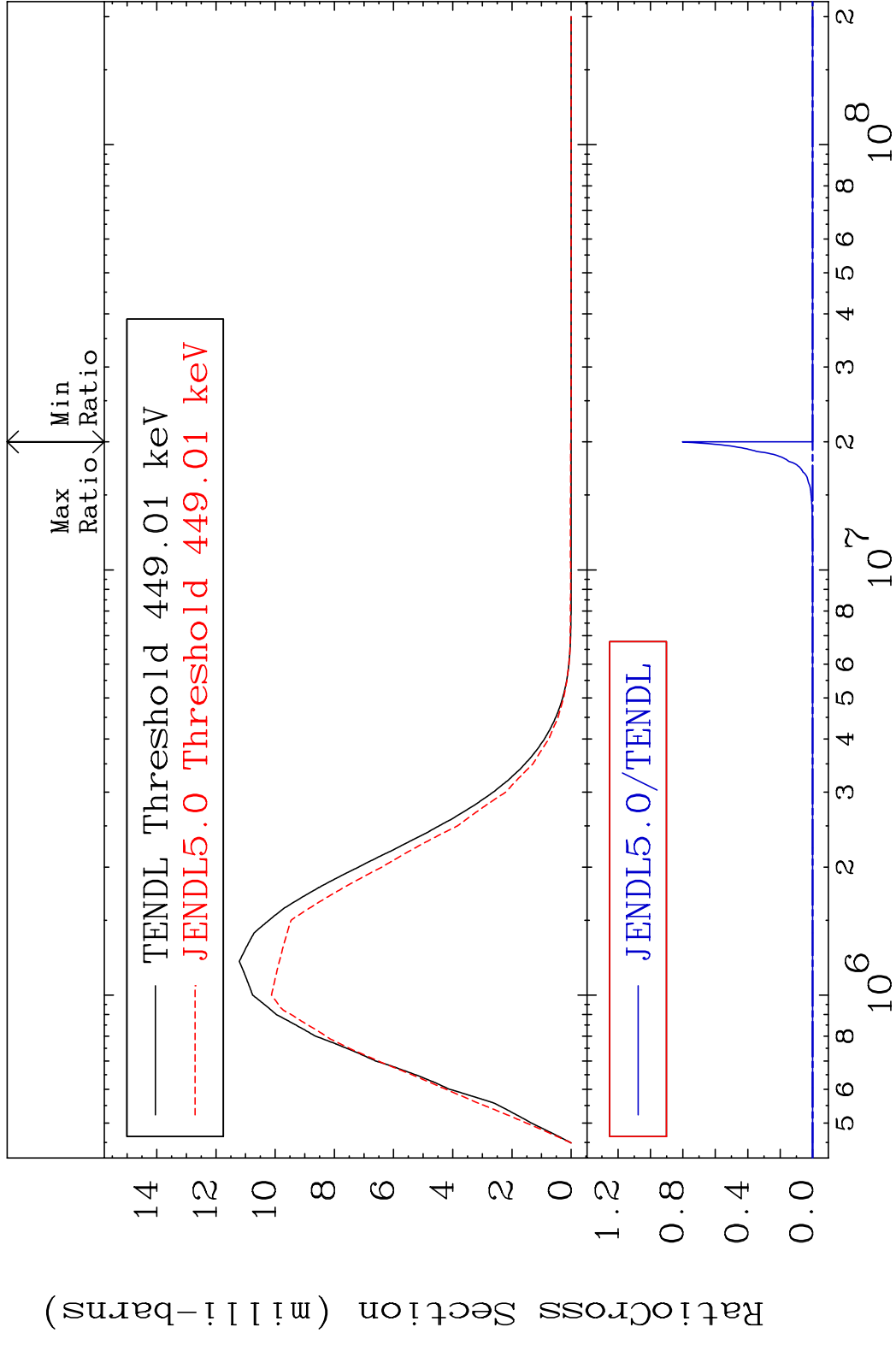


20 Incident Energy (eV) 48-Cd-113m

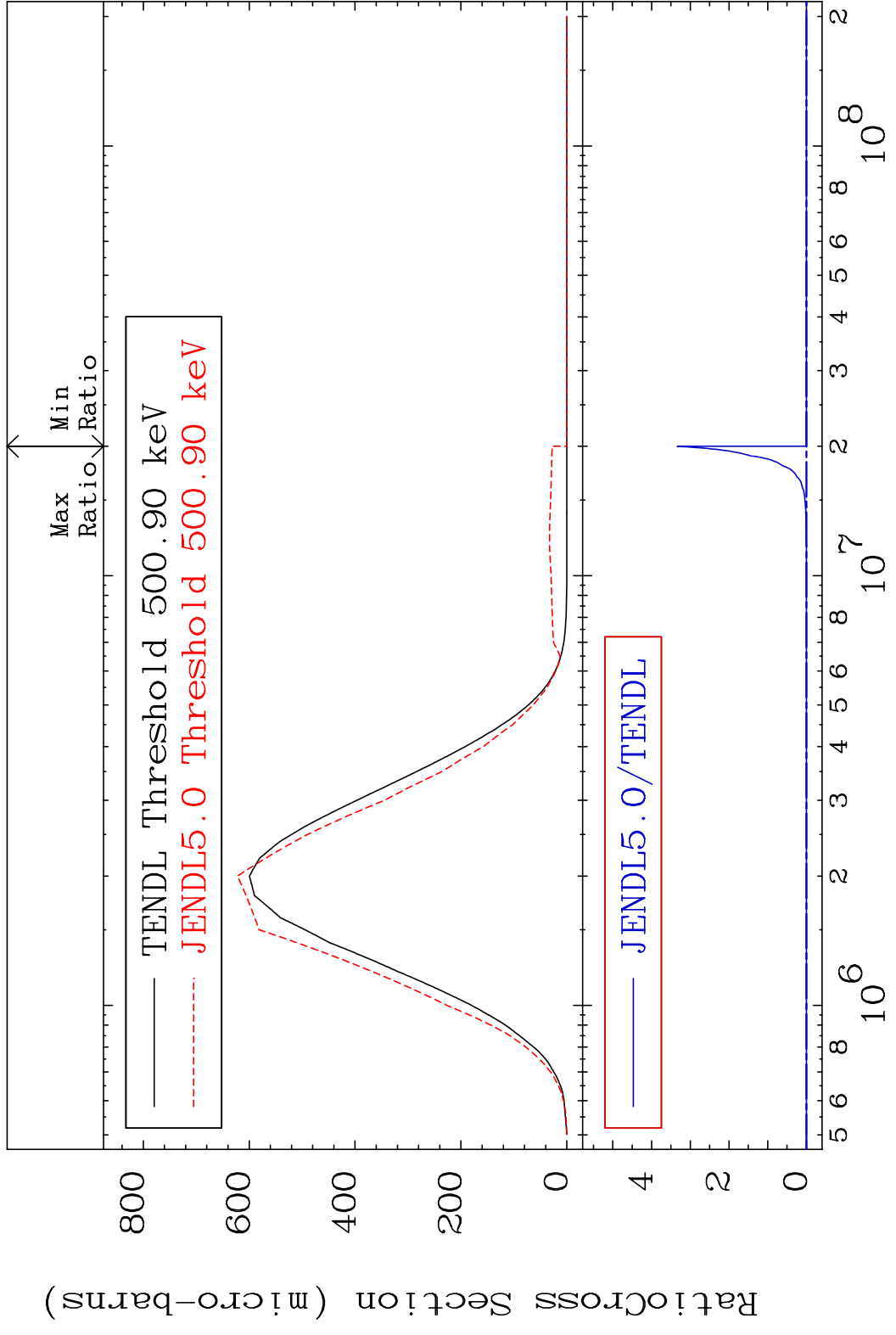
MAT 4847 MT= 60 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



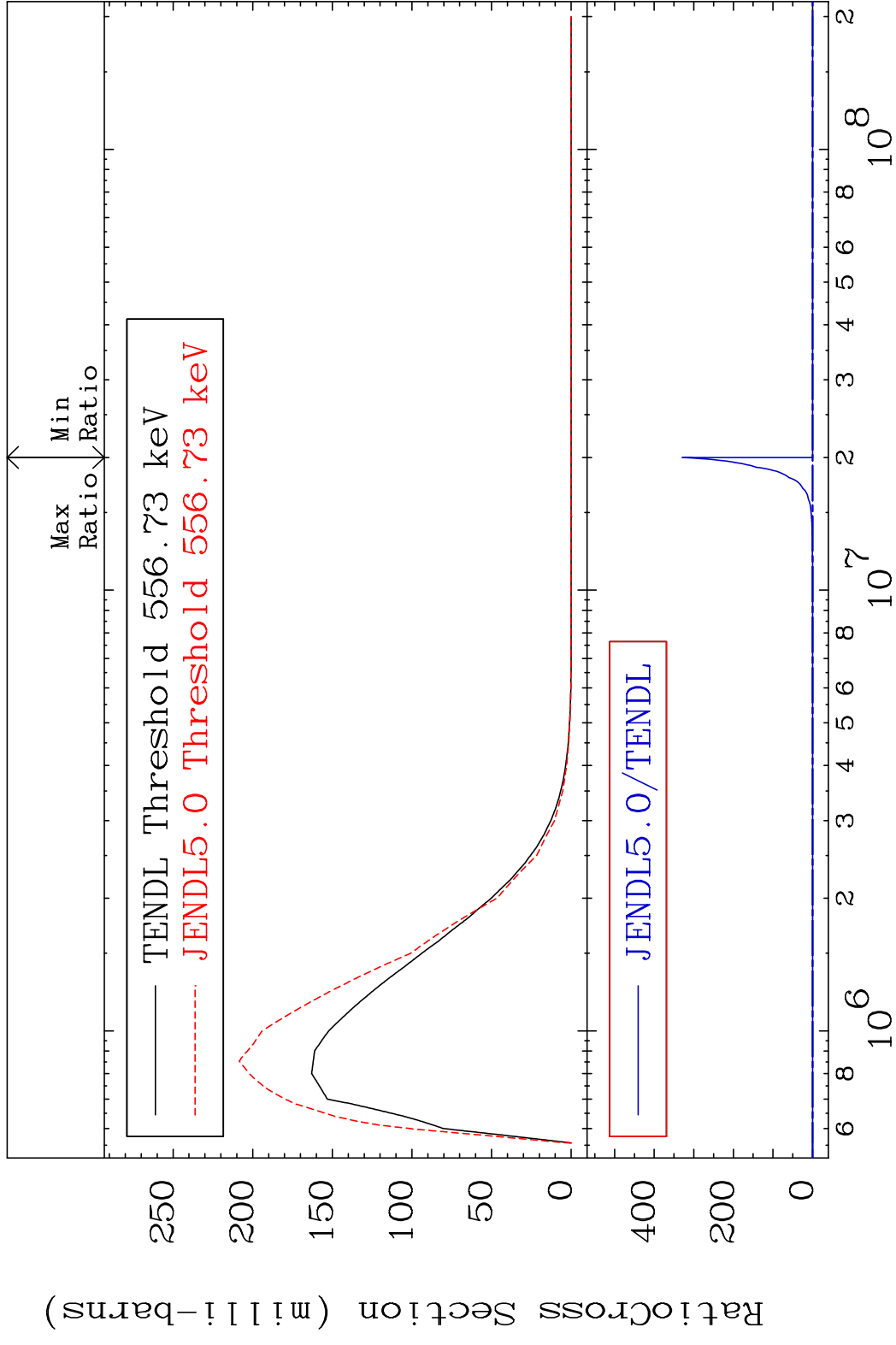
MAT 4847 MT= 61 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



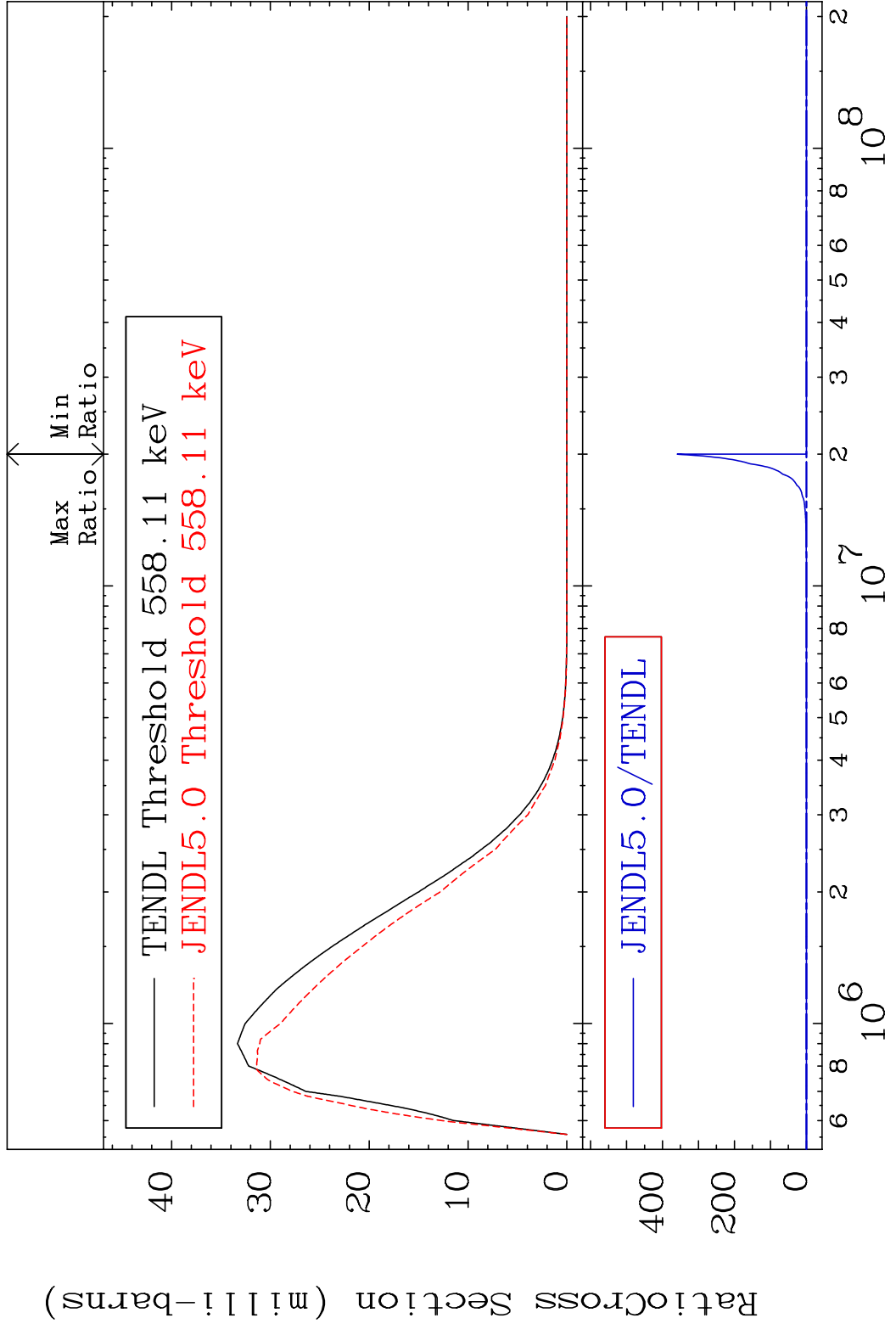
MAT 4847 MT= 62 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



MAT 4847 MT= 63 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

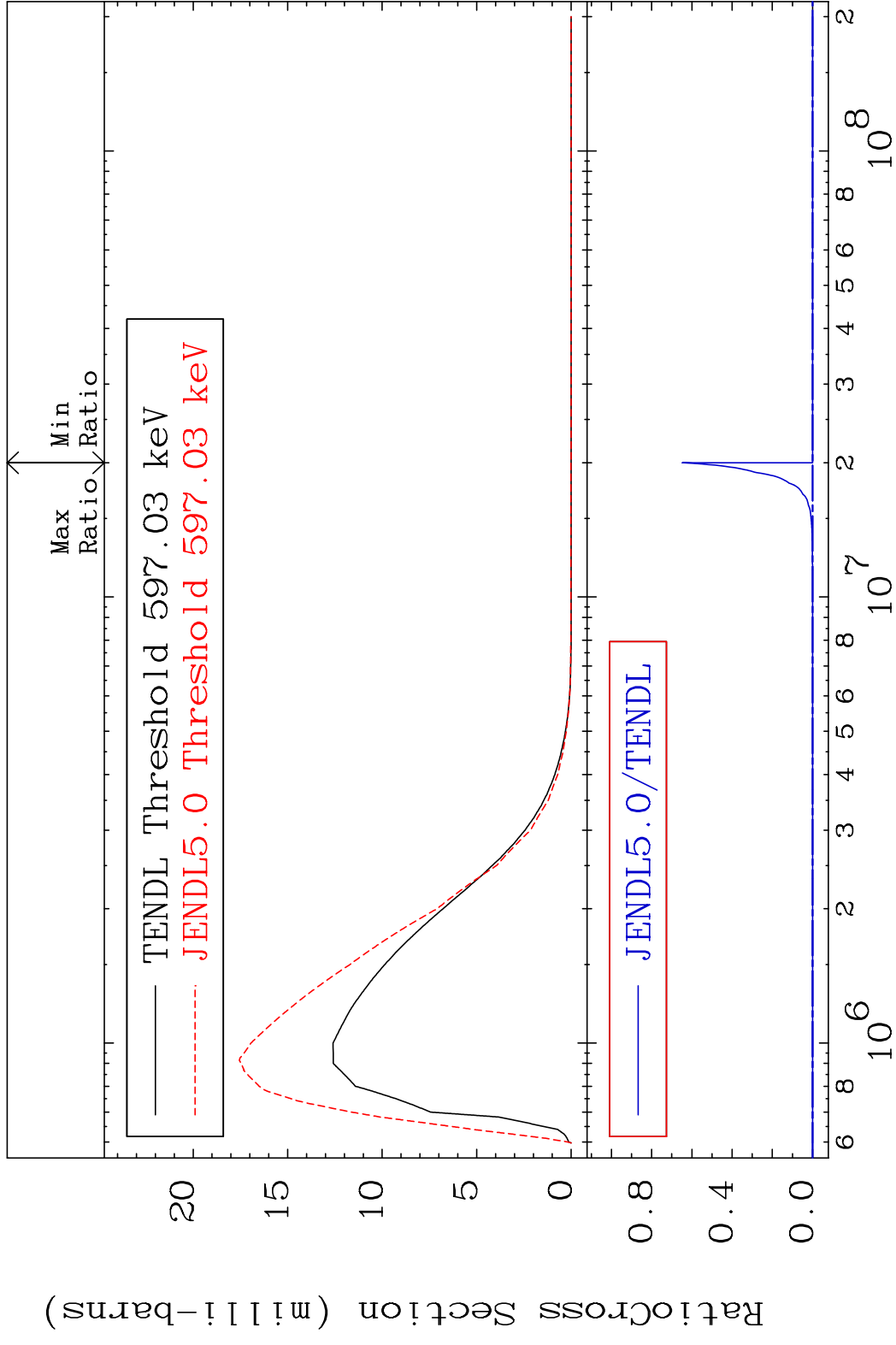


MAT 4847 MT= 64 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

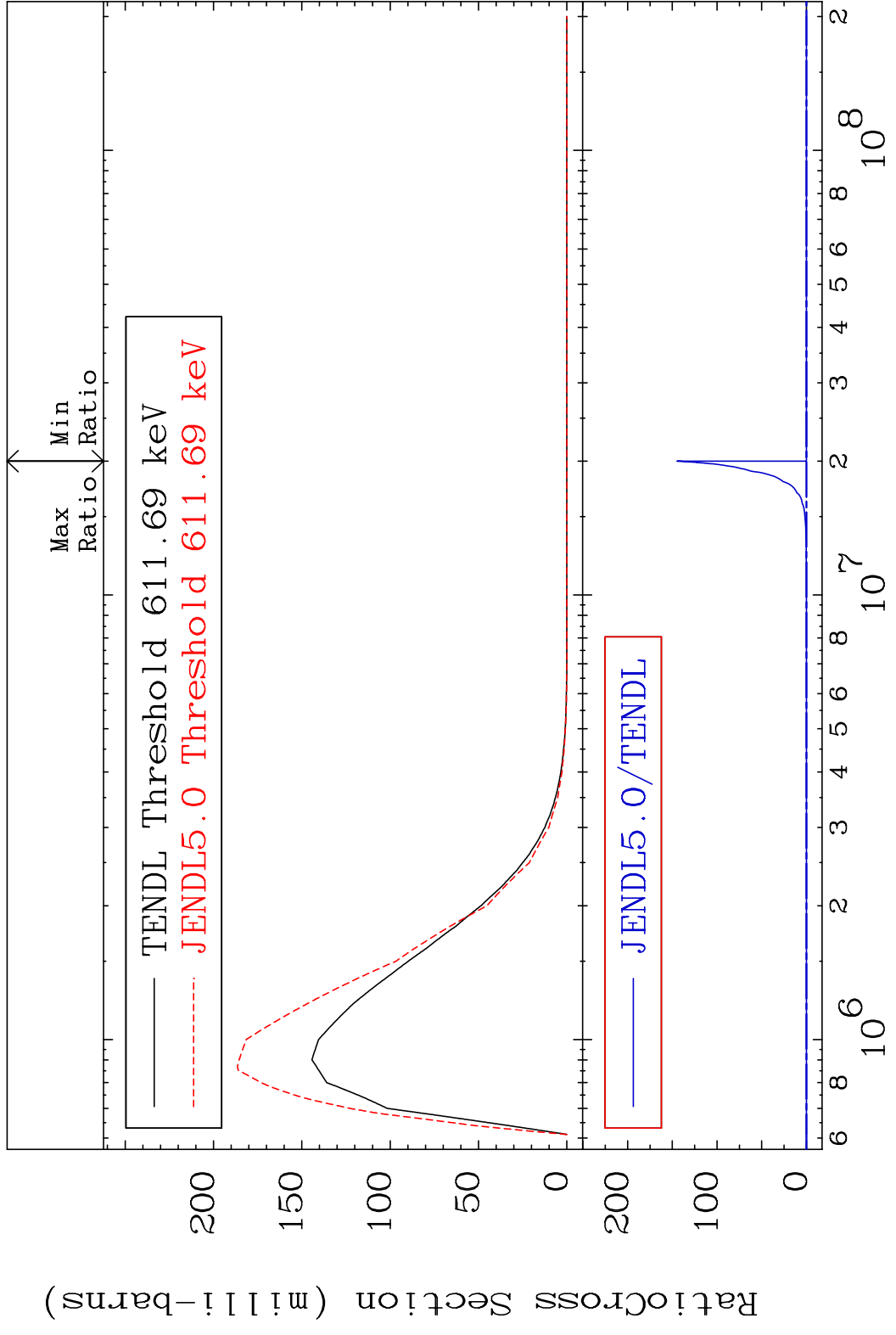


25 Incident Energy (eV) 48-Cd-113m

MAT 4847 MT= 65 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

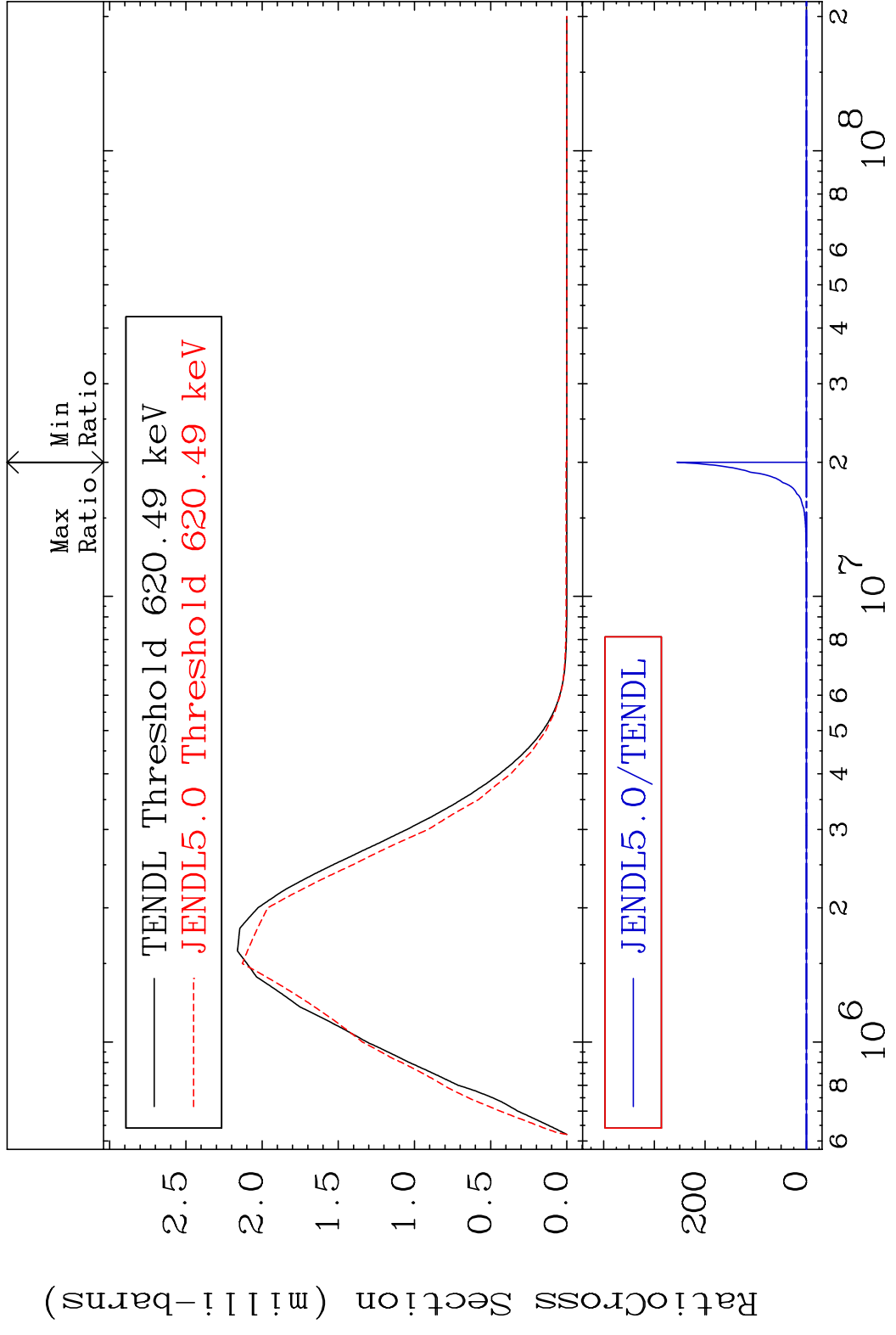


MAT 4847 MT= 66 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

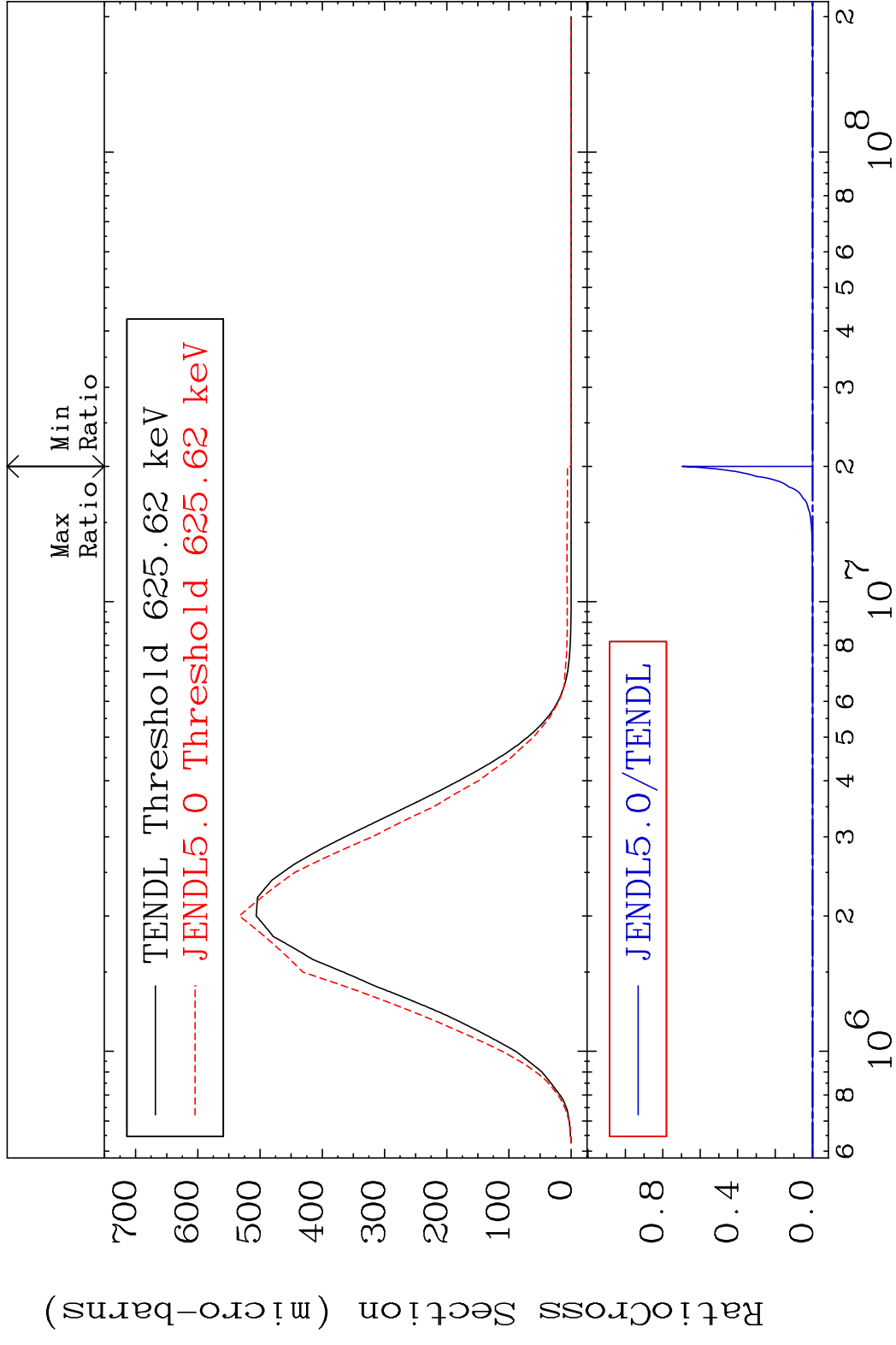


27 Incident Energy (eV) 48-Cd-113m

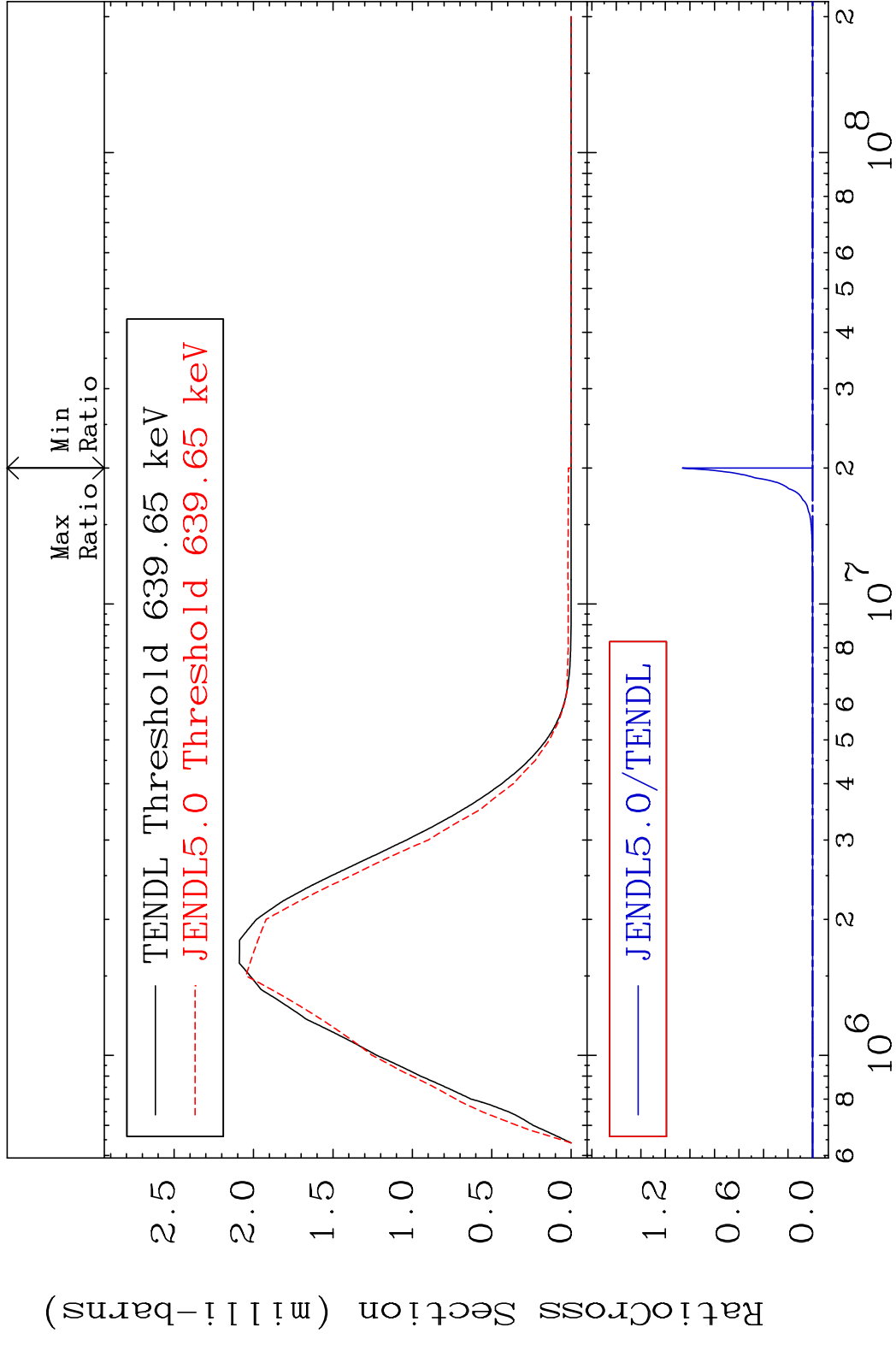
MAT 4847 MT= 67 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



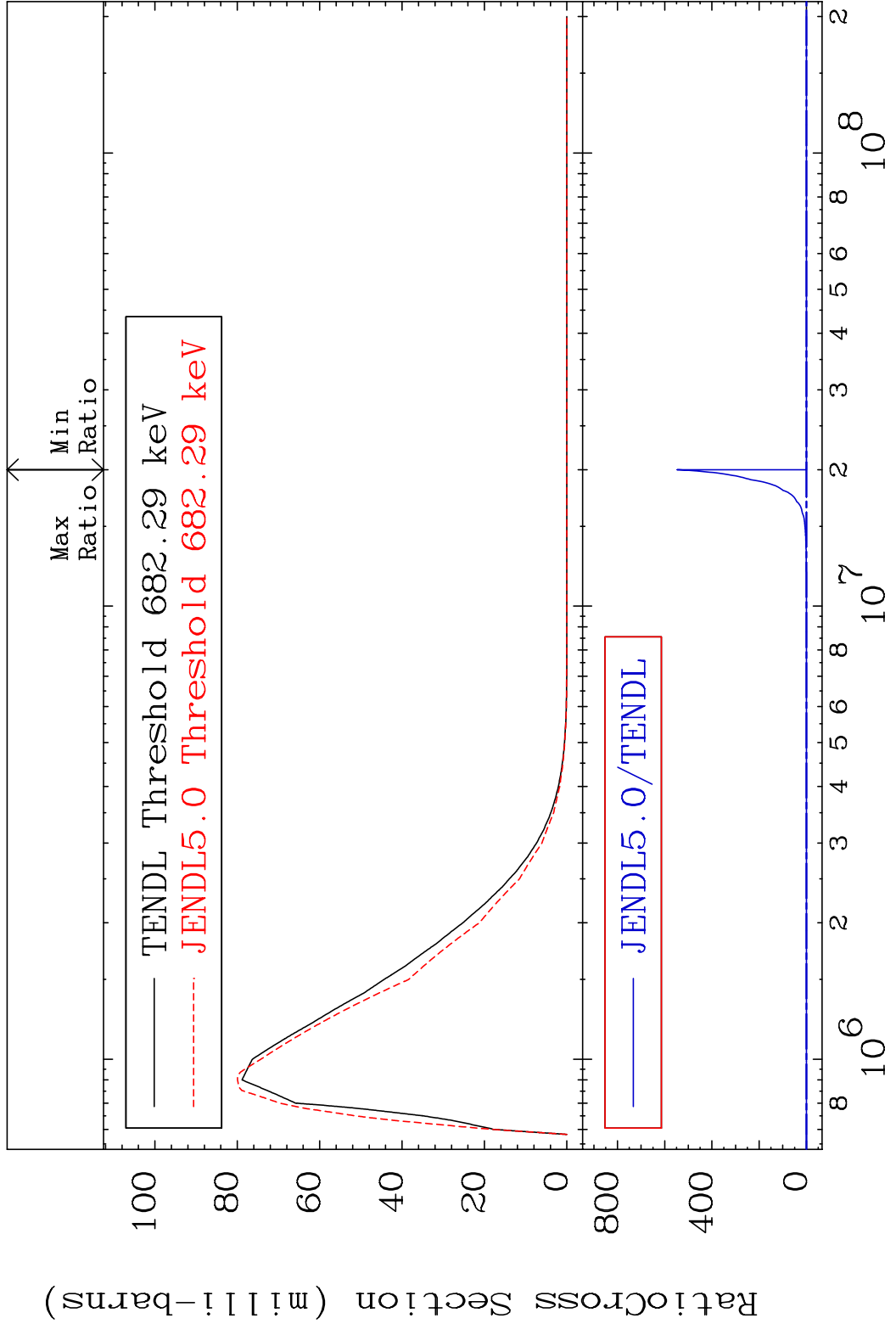
MAT 4847 MT= 68 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



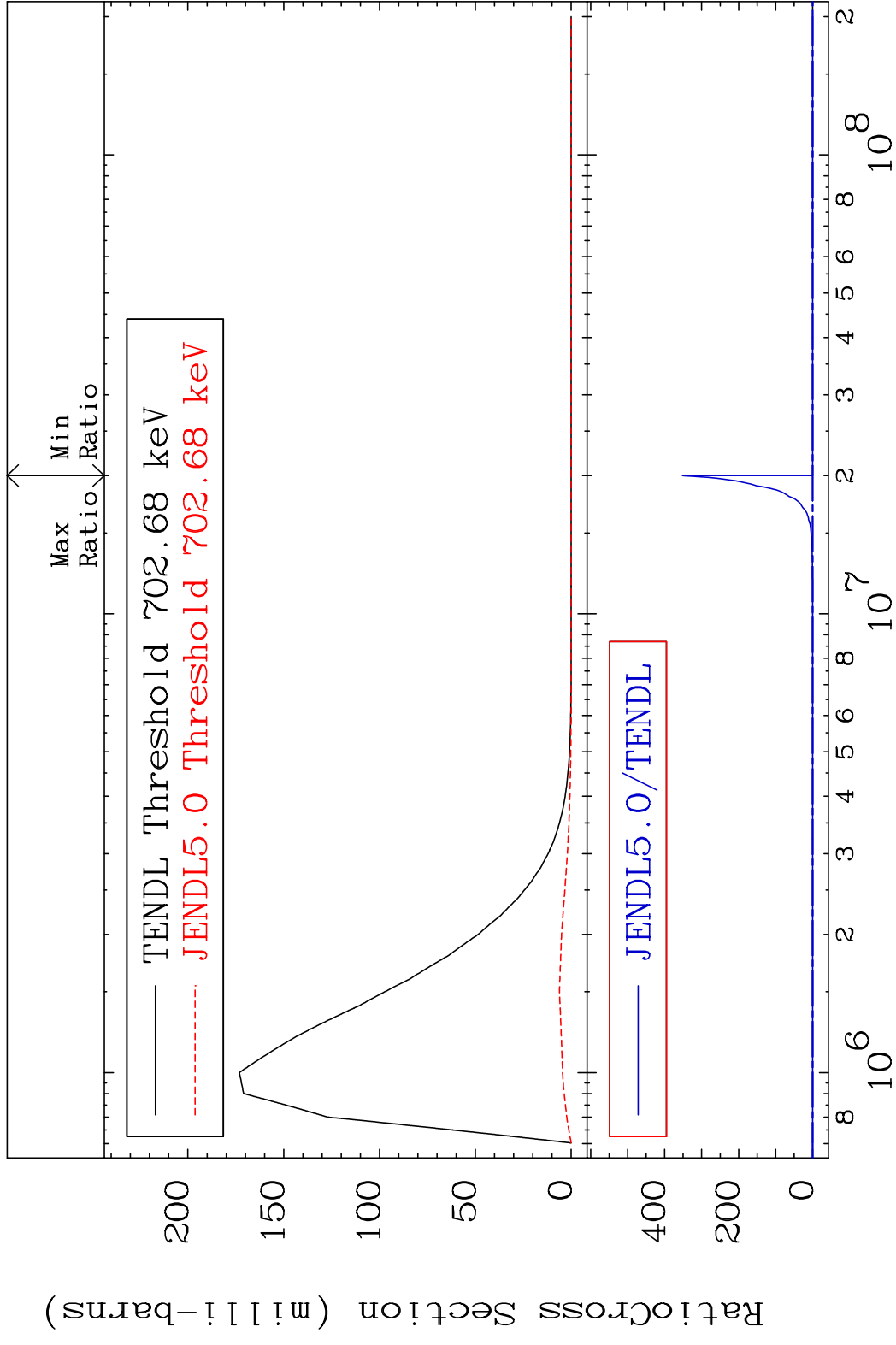
MAT 4847 MT= 69 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



MAT 4847 MT= 70 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %

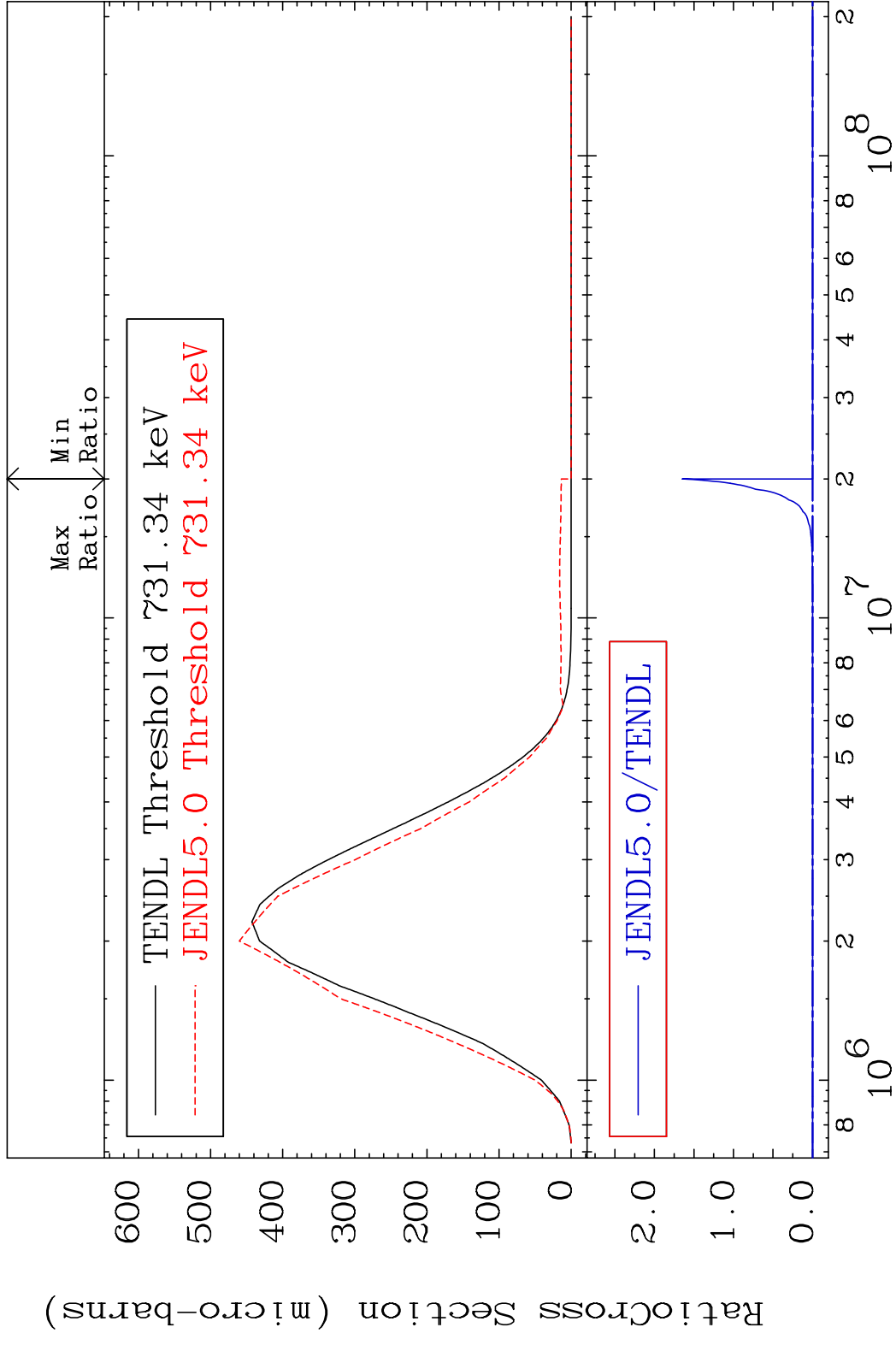


MAT 4847 MT= 71 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



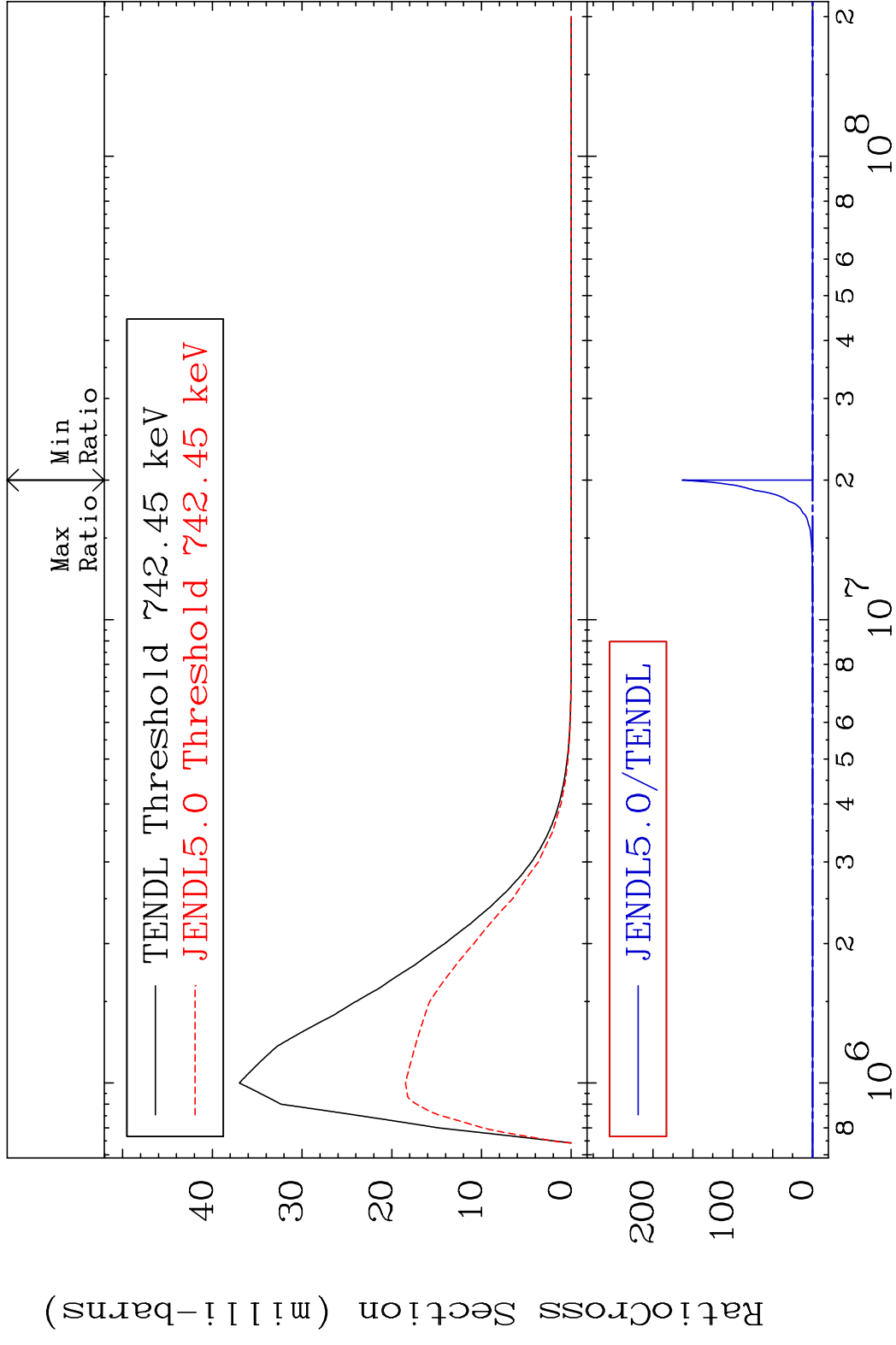
32 Incident Energy (eV) 48-Cd-113m

MAT 4847 MT= 72 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



33 Incident Energy (eV) 48-Cd-113m

MAT 4847 MT= 73 (n, n') Level 48-Cd-113m
 Cross Section -100.0 To 9999. %



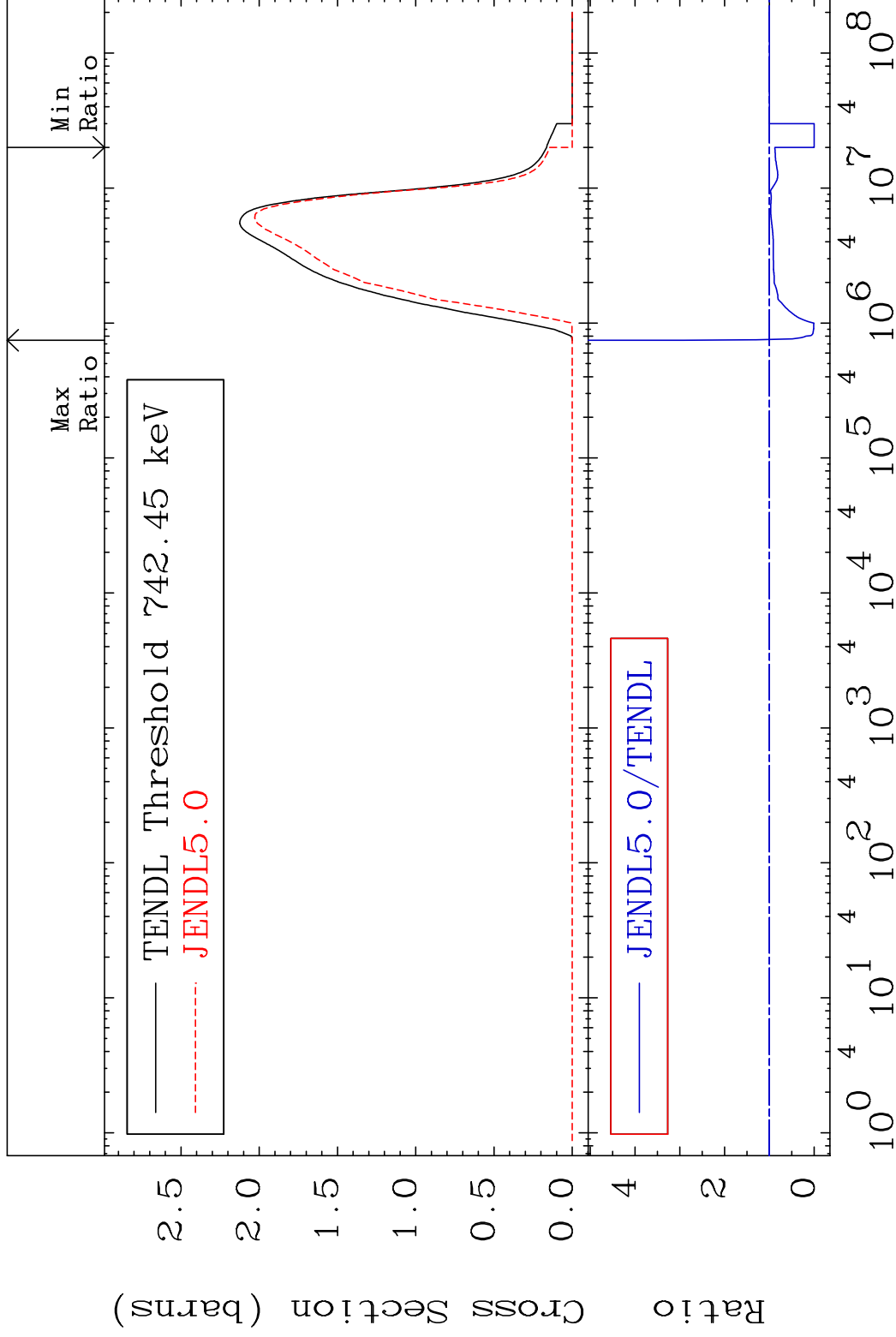
34 Incident Energy (eV) 48-Cd-113m

MAT 4847

(n, n') Continuum

48-Cd-113m

Cross Section -100.0 To 191.2 %



35

Incident Energy (eV)

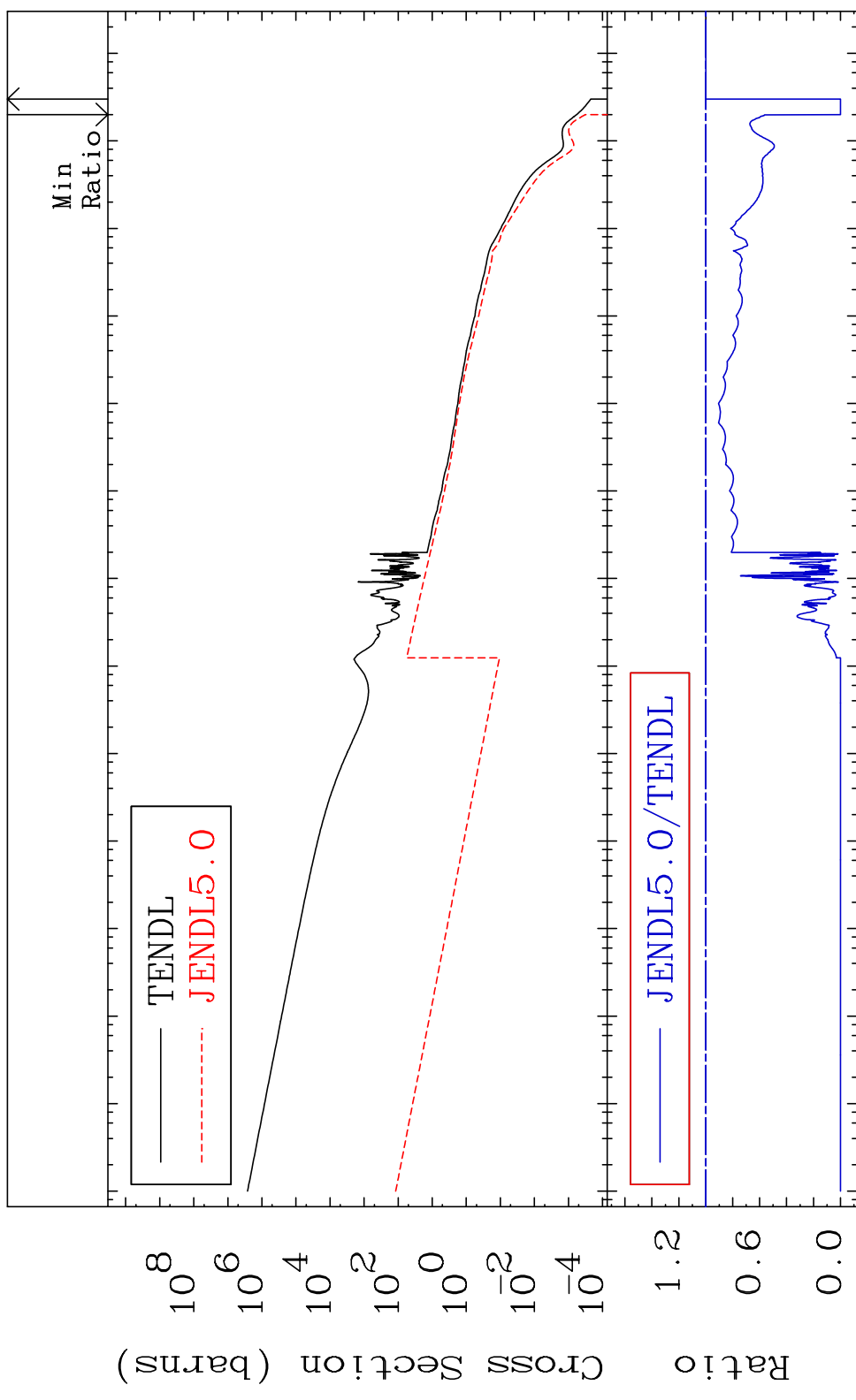
48-Cd-113m

MAT 4847

(n, γ)

48-Cd-113m

Cross Section -100.0 To 0.000 %



36

Incident Energy (eV)

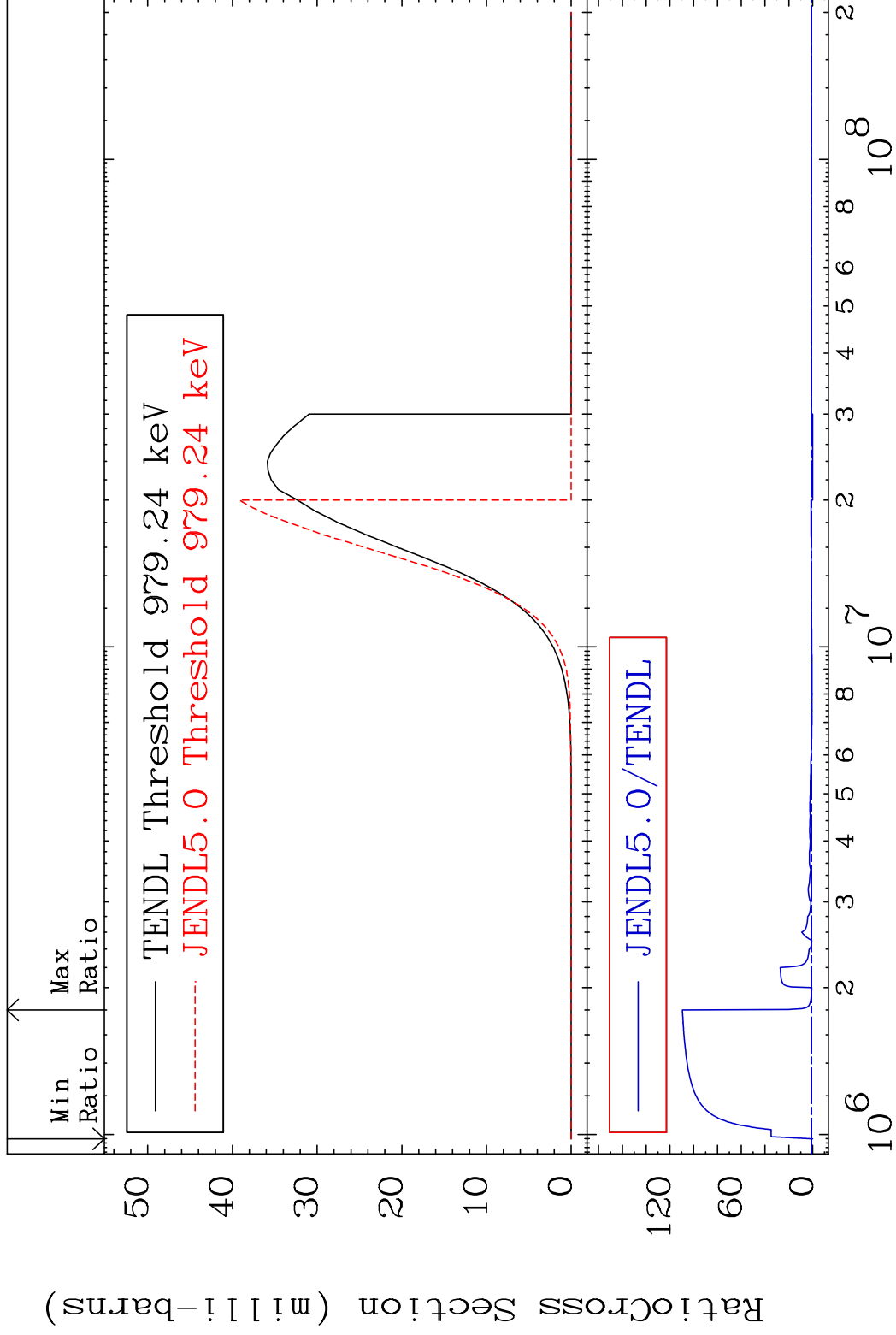
48-Cd-113m

MAT 4847

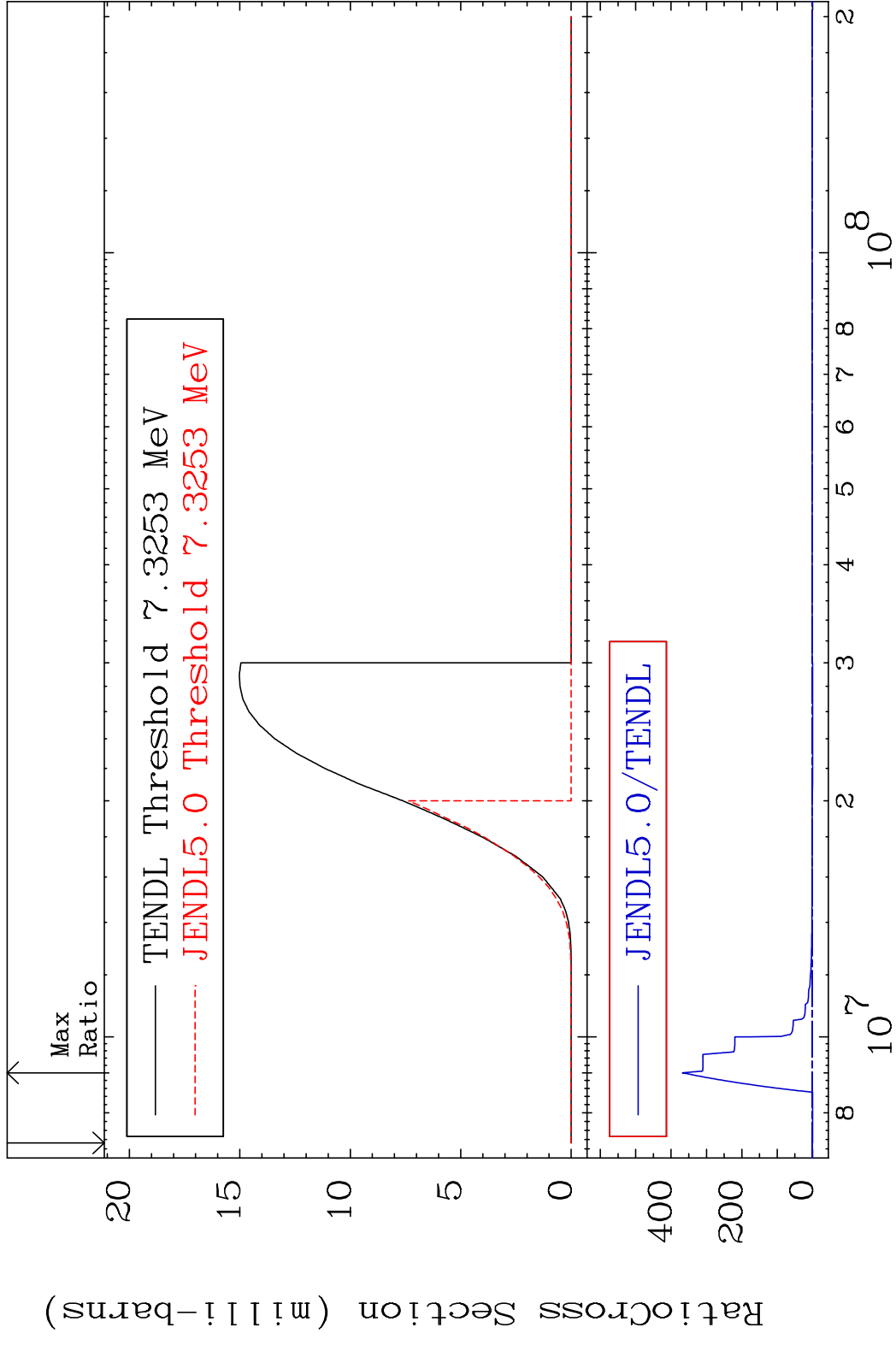
(n,p)

48-Cd-113m

Cross Section -100.0 To 9999. %



MAT 4847 (n,d) 48-Cd-113m
 Cross Section -100.0 To 9999. %



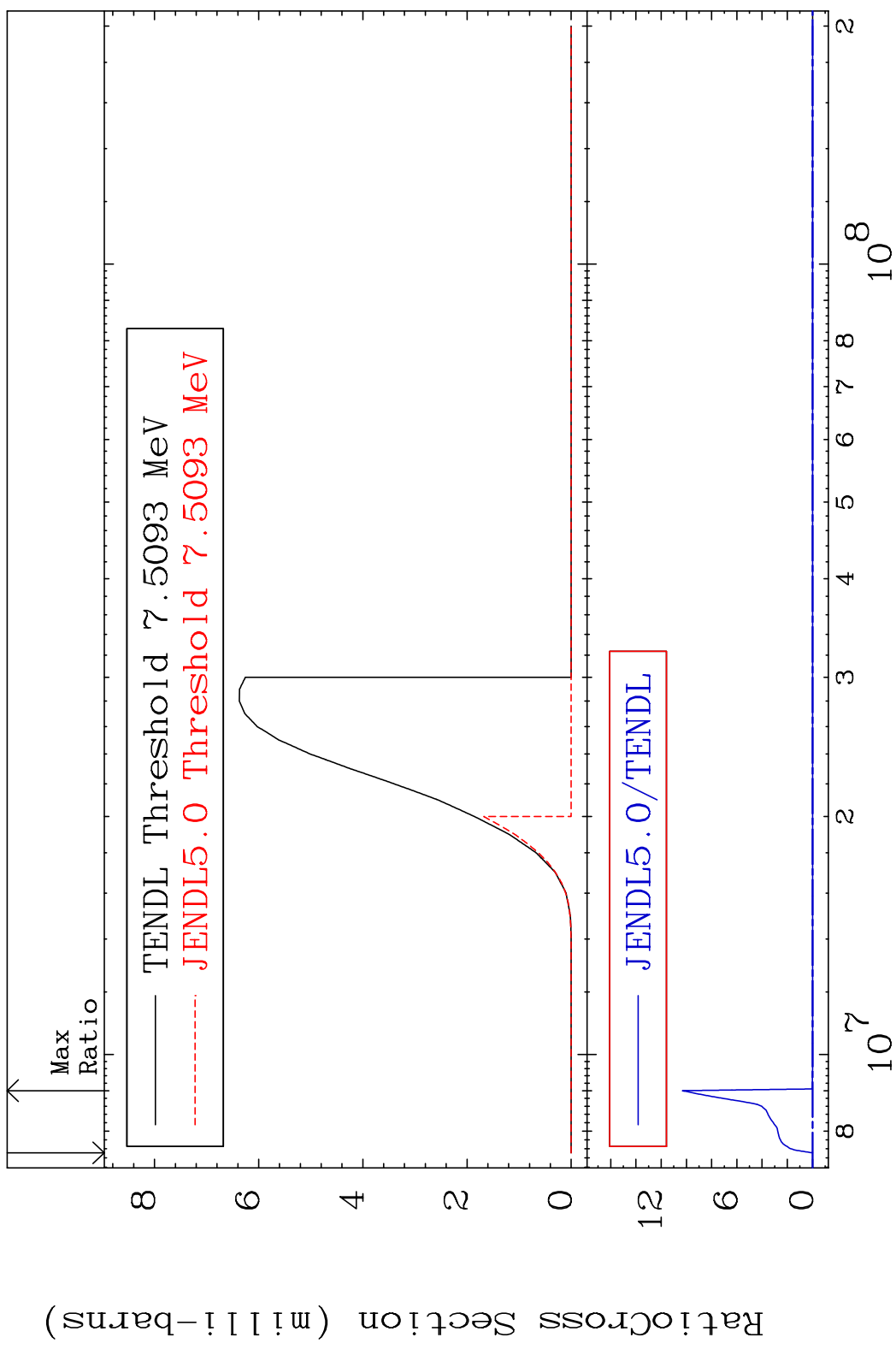
38 Incident Energy (eV) 48-Cd-113m

MAT 4847

(n, t)

48-Cd-113m

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

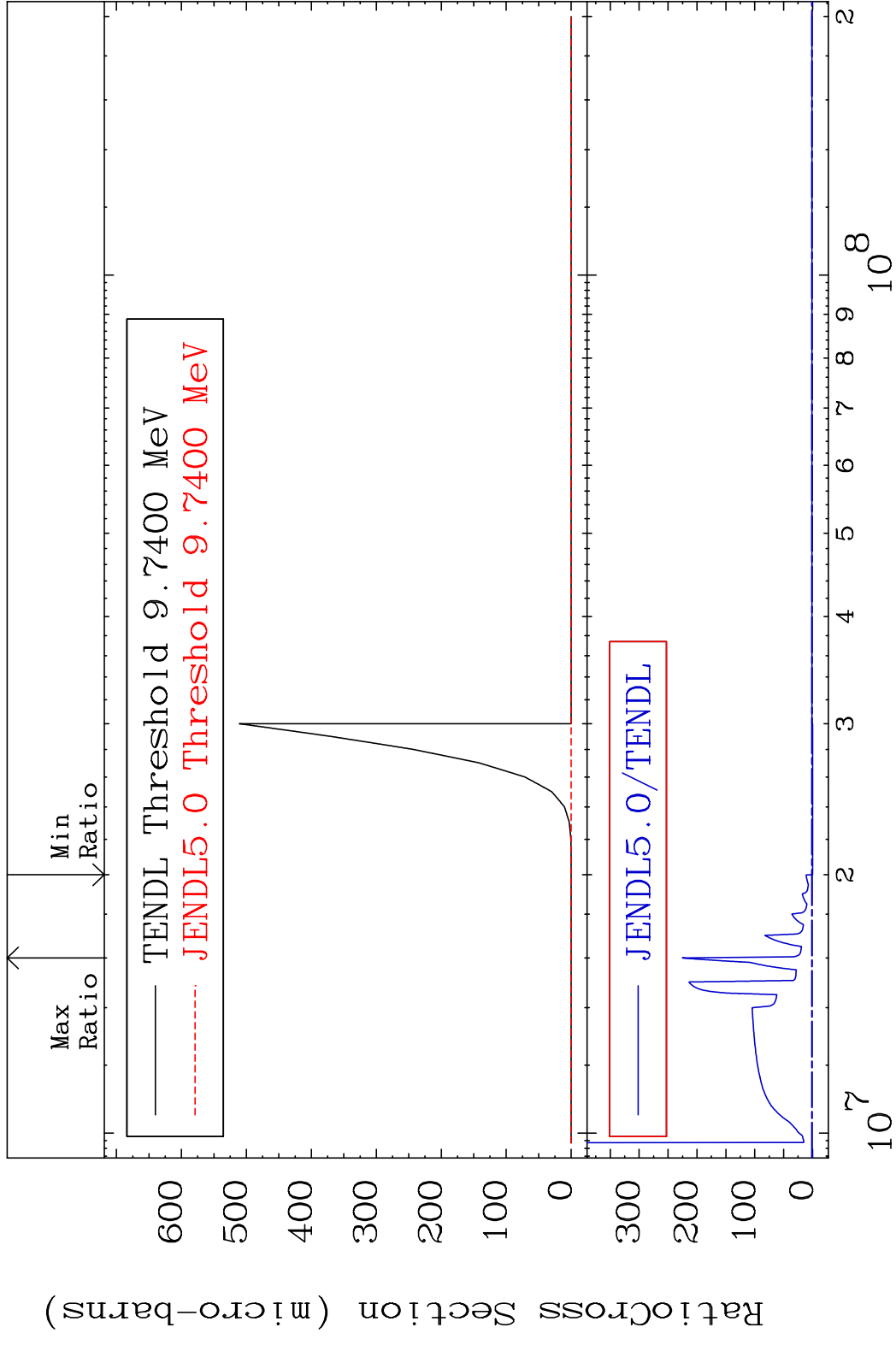
48-Cd-113m

MAT 4847

(n, He-3)

48-Cd-113m

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

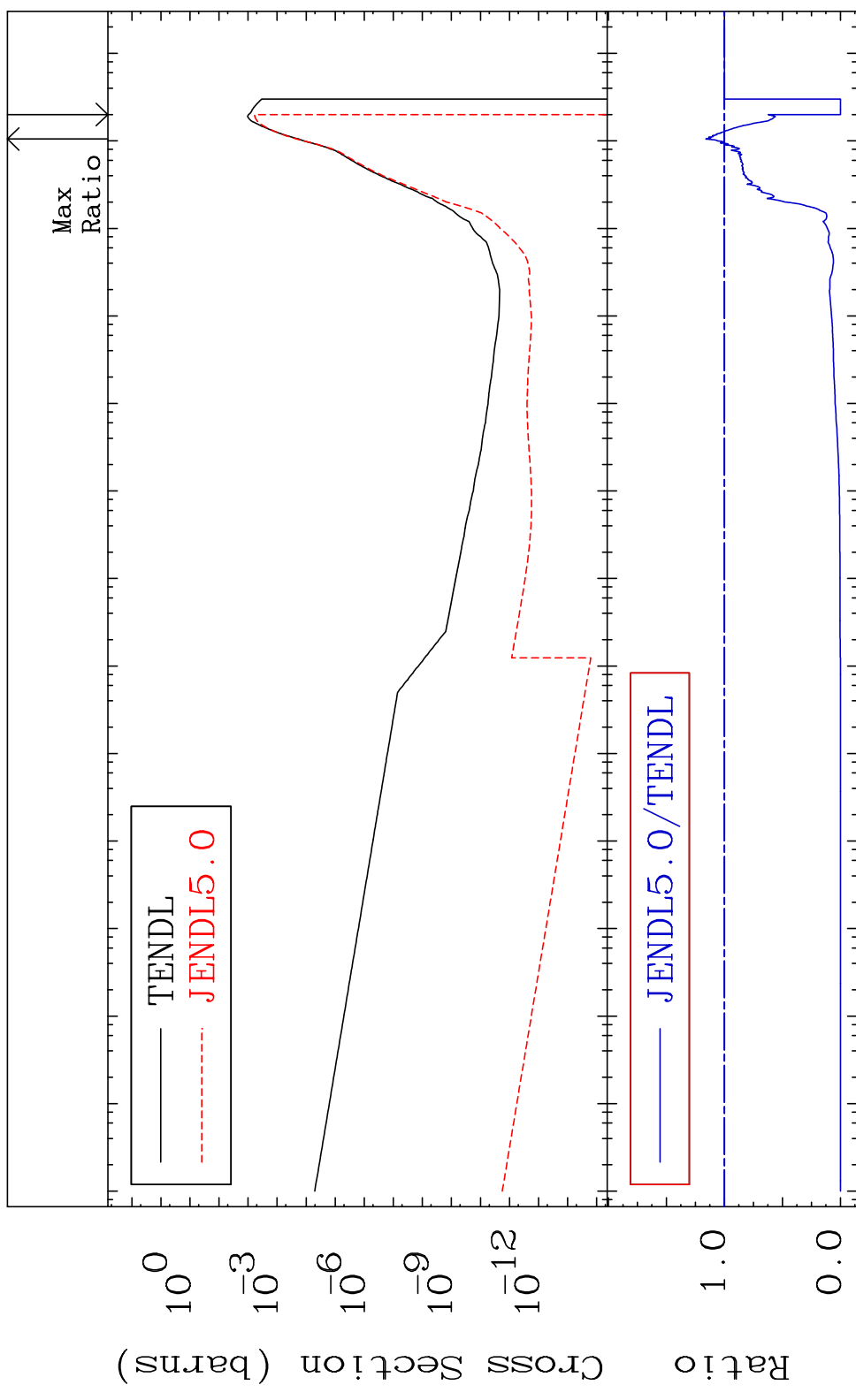
48-Cd-113m

MAT 4847

(n, α)

48-Cd-113m

Cross Section -100.0 To 16.07 %



41

Incident Energy (eV)

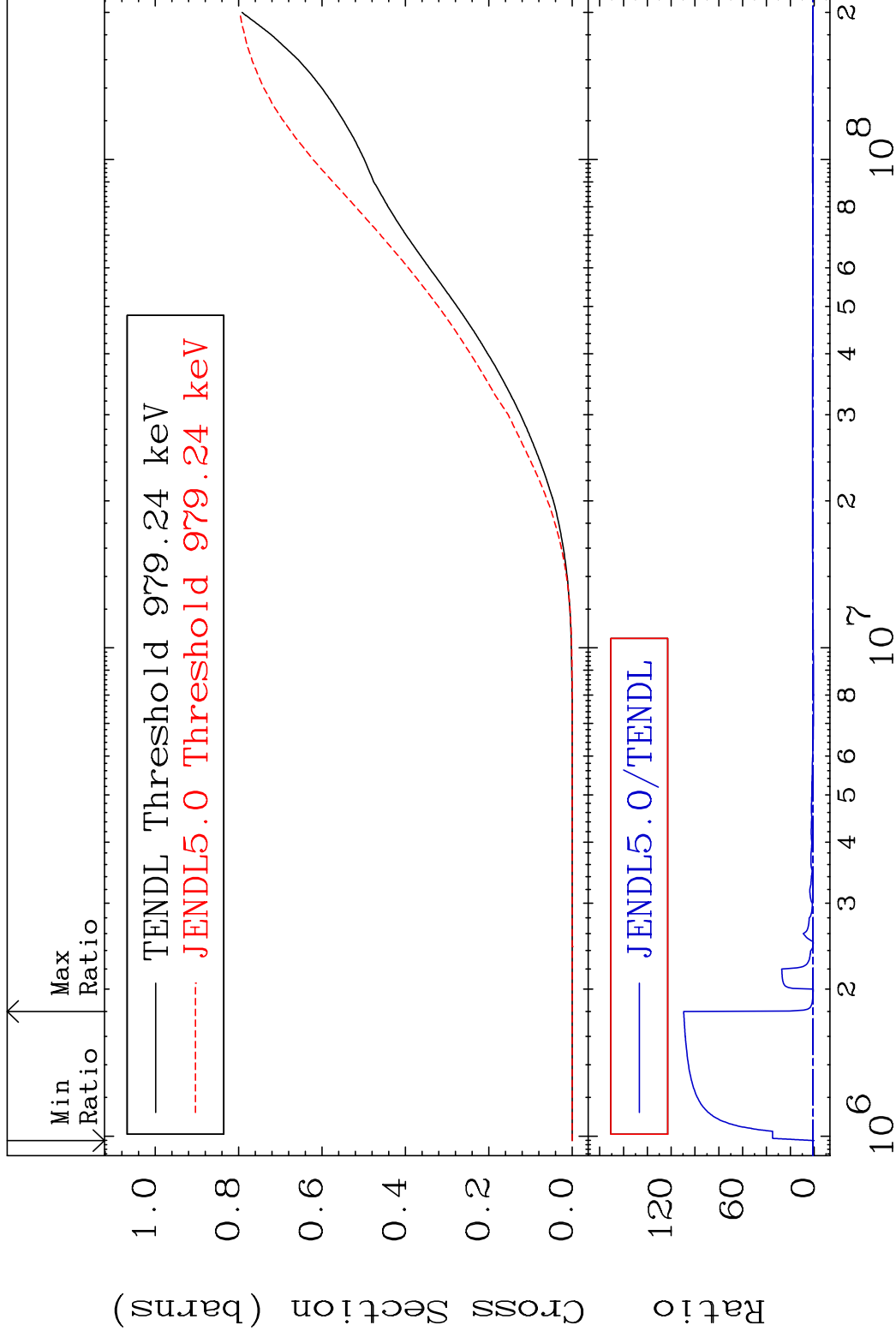
48-Cd-113m

MAT 4847

Hydrogen Production

48-Cd-113m

Cross Section -100.0 To 9999. %

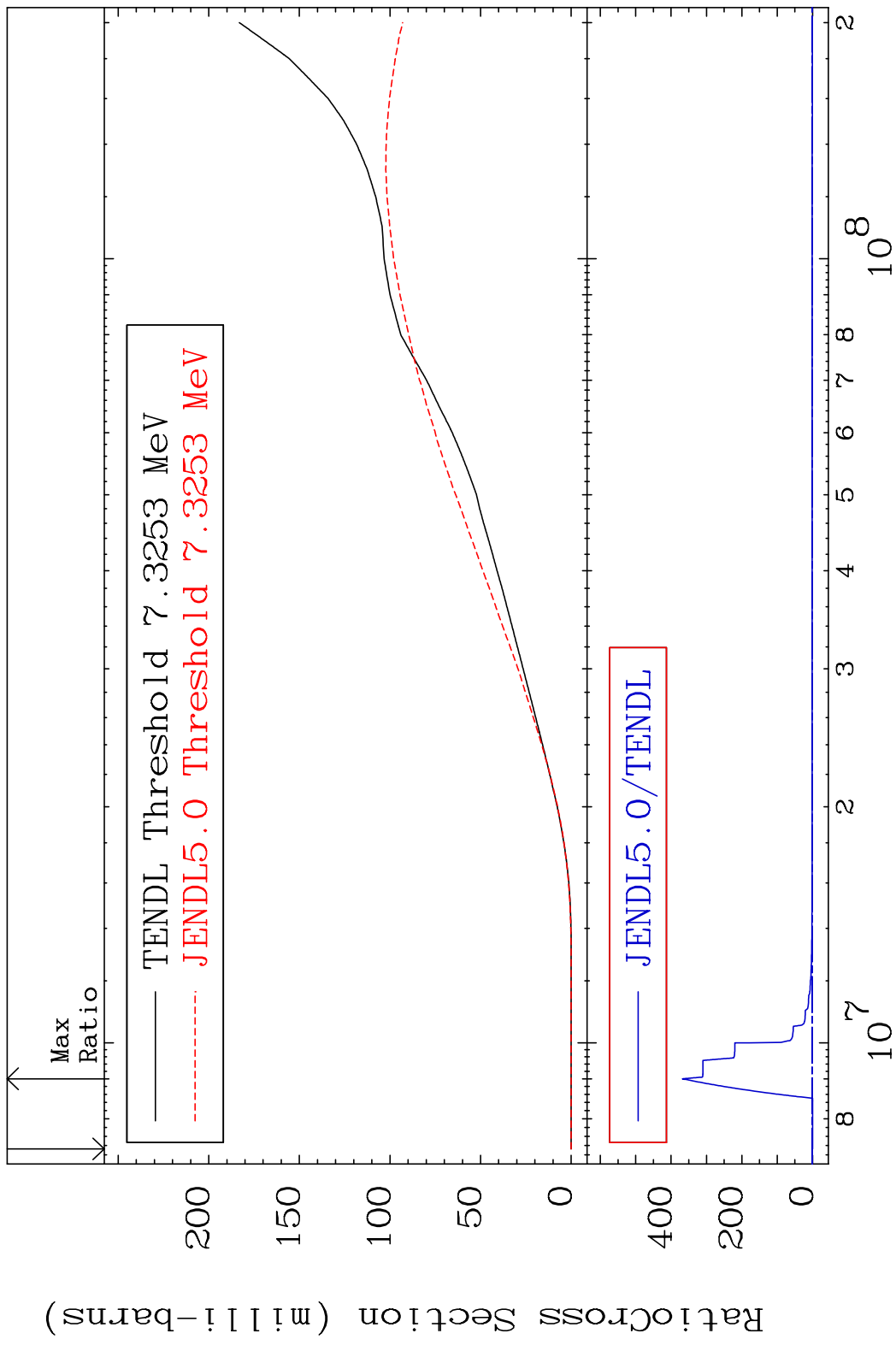


42

Incident Energy (eV)

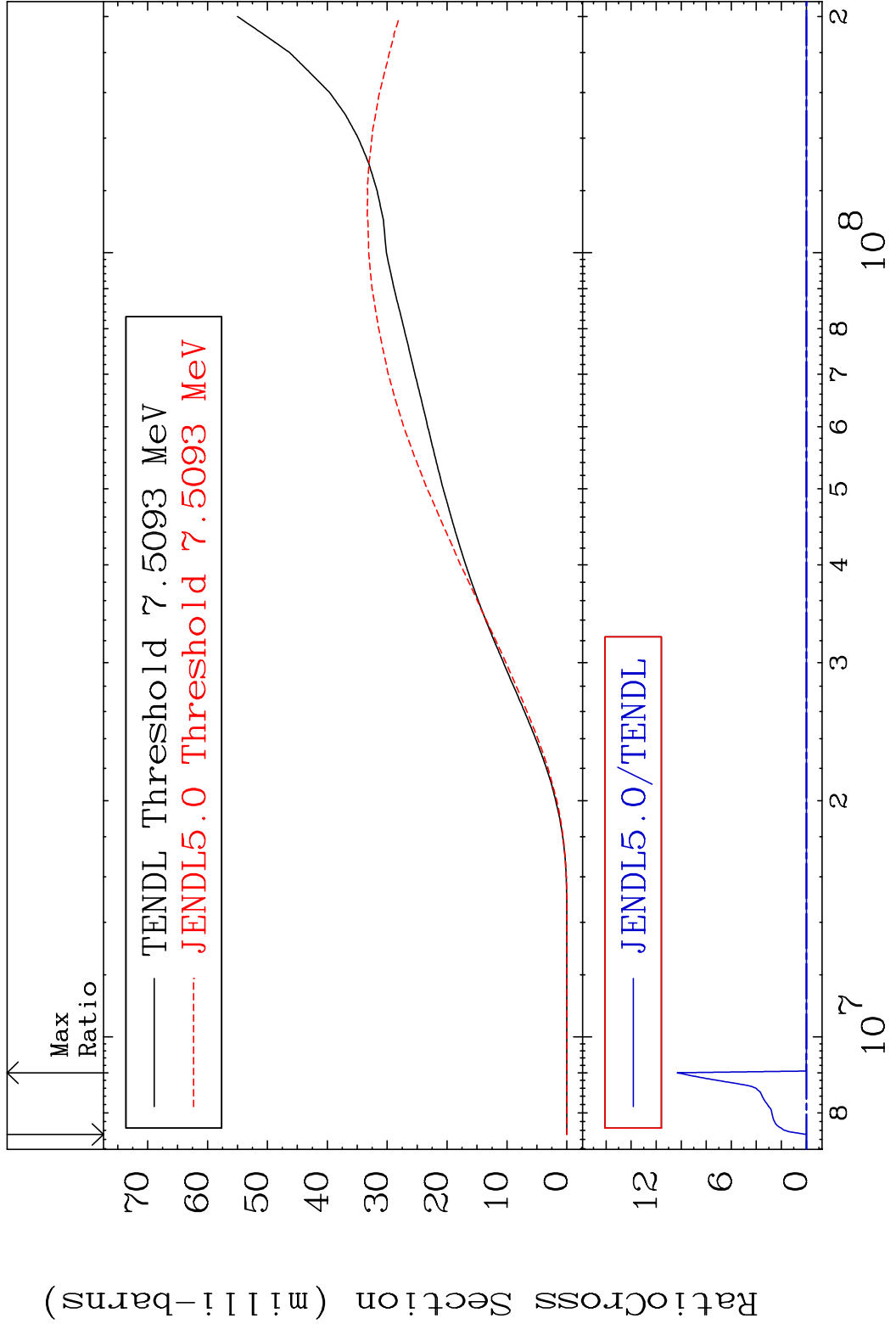
48-Cd-113m

MAT 4847 Deuterium Production 48-Cd-113m
 Cross Section -100.0 To 9999. %



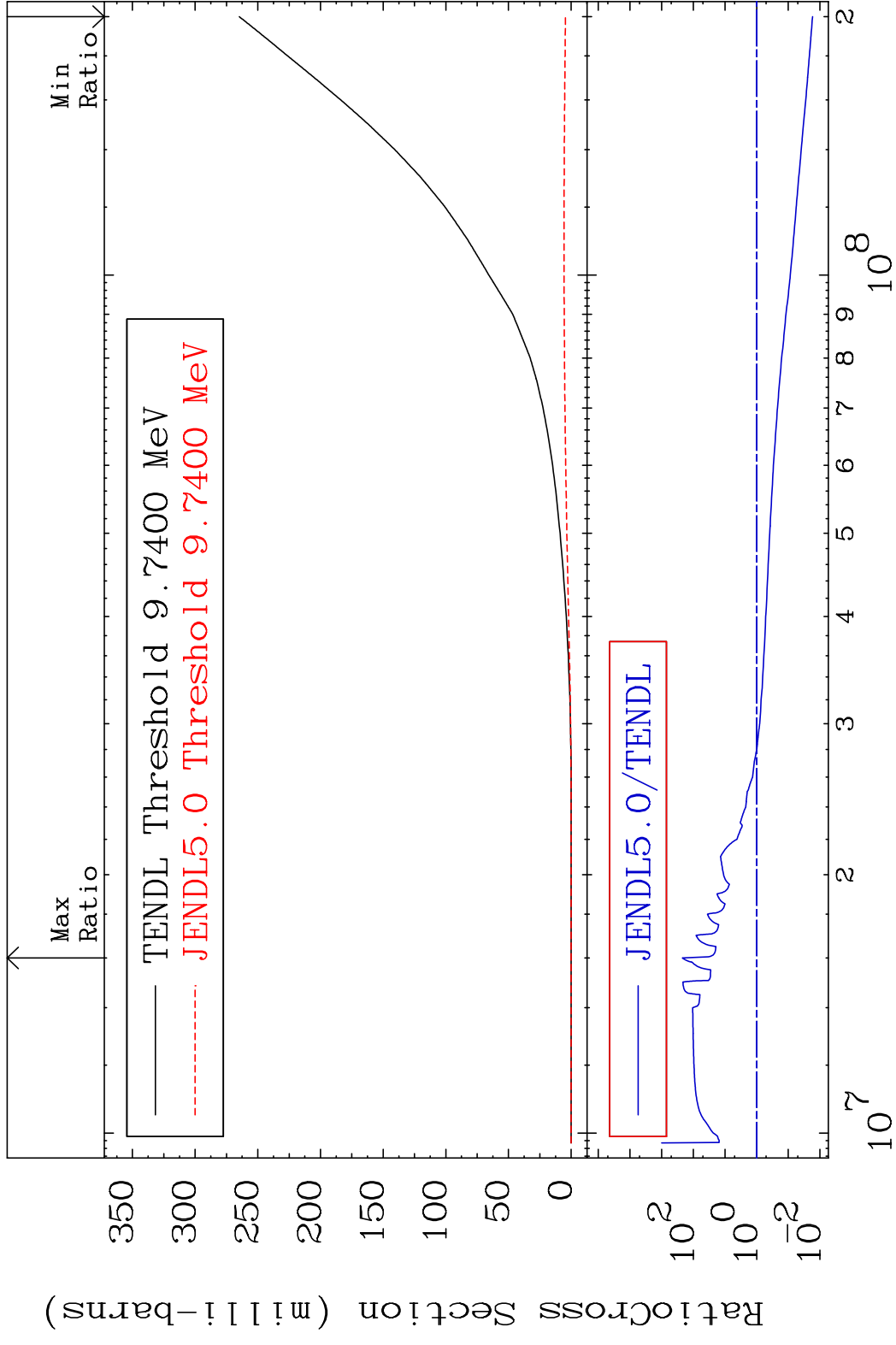
43 Incident Energy (eV) 48-Cd-113m

MAT 4847 Tritium Production 48-Cd-113m
 Cross Section -100.0 To 9999. %



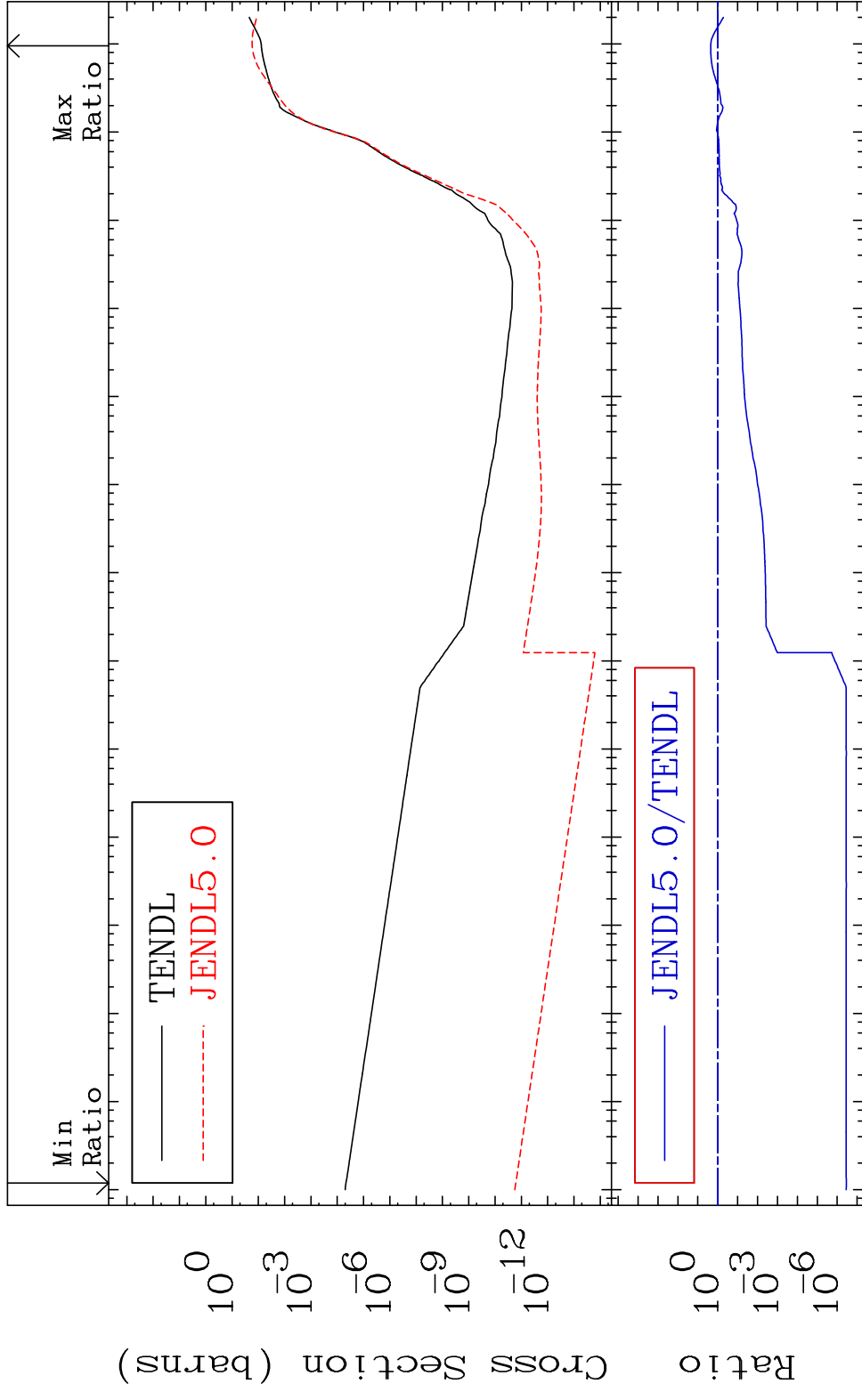
44 Incident Energy (eV) 48-Cd-113m

MAT 4847 He-3 Production 48-Cd-113m
 Cross Section -98.29 To 9999. %



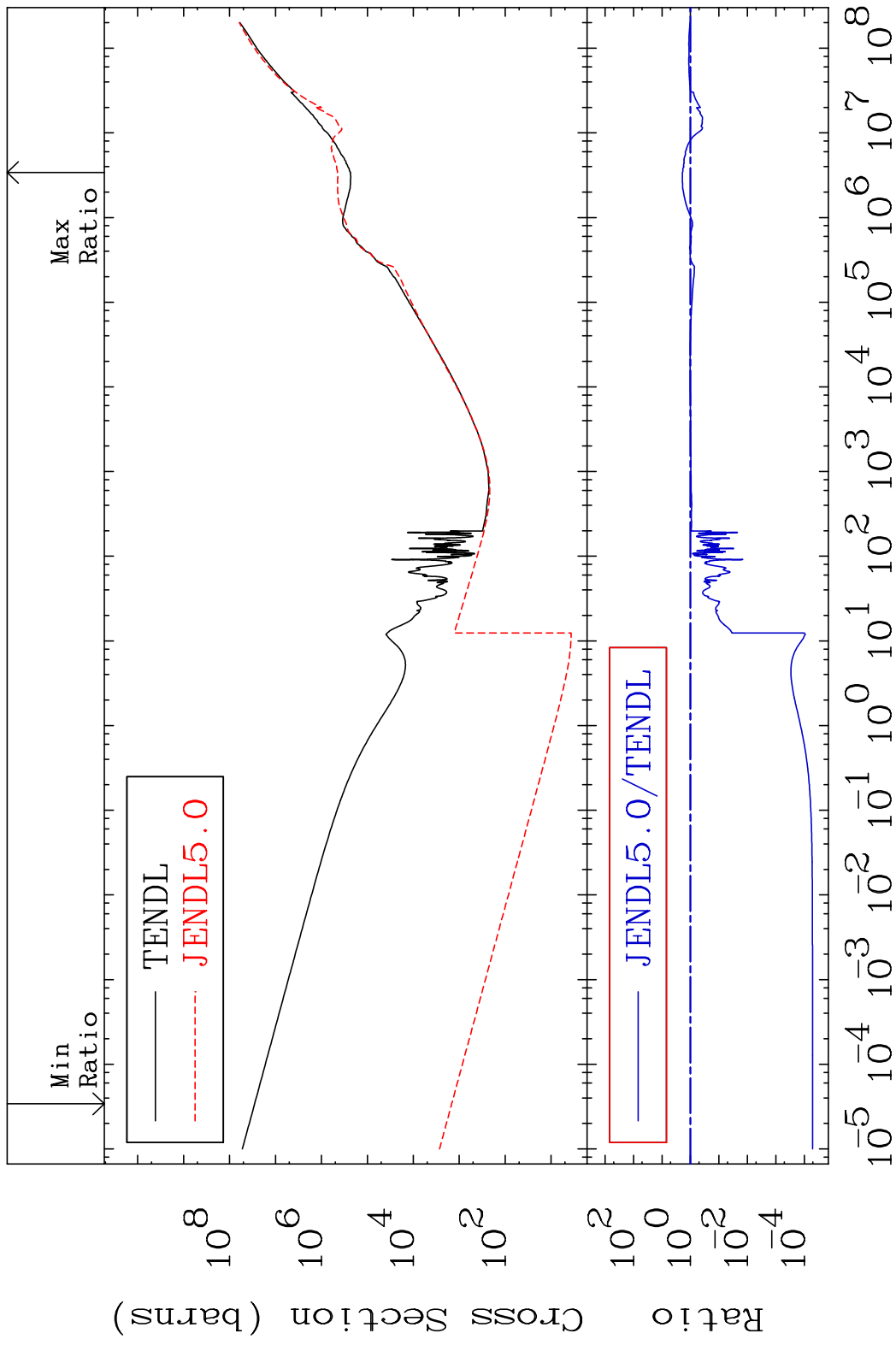
45 Incident Energy (eV) 48-Cd-113m

MAT 4847 He-4 Production 48-Cd-113m
 Cross Section -100.0 To 124.1 %



Ratio
 10⁰
 10⁻³
 10⁻⁶
 10⁻⁹
 10⁻¹²
 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV) 48-Cd-113m

MAT 4847 Kerma total (eV-barns) 48-Cd-113m
 Cross Section -99.99 To 92.92 %



47 Incident Energy (eV) 48-Cd-113m

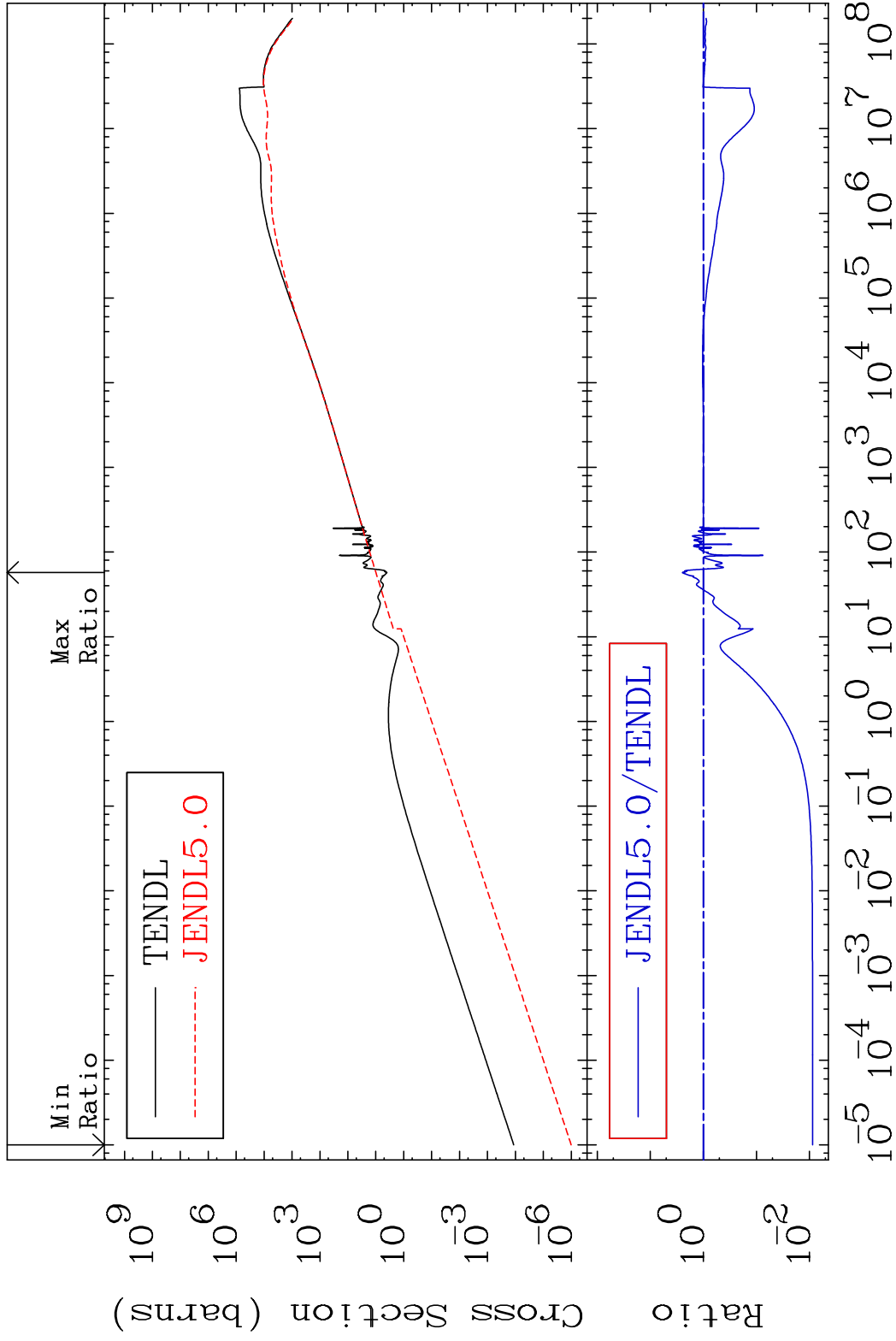
MAT 4847

Kerma elastic

48-Cd-113m

Cross Section

-99.12 To 149.1 %

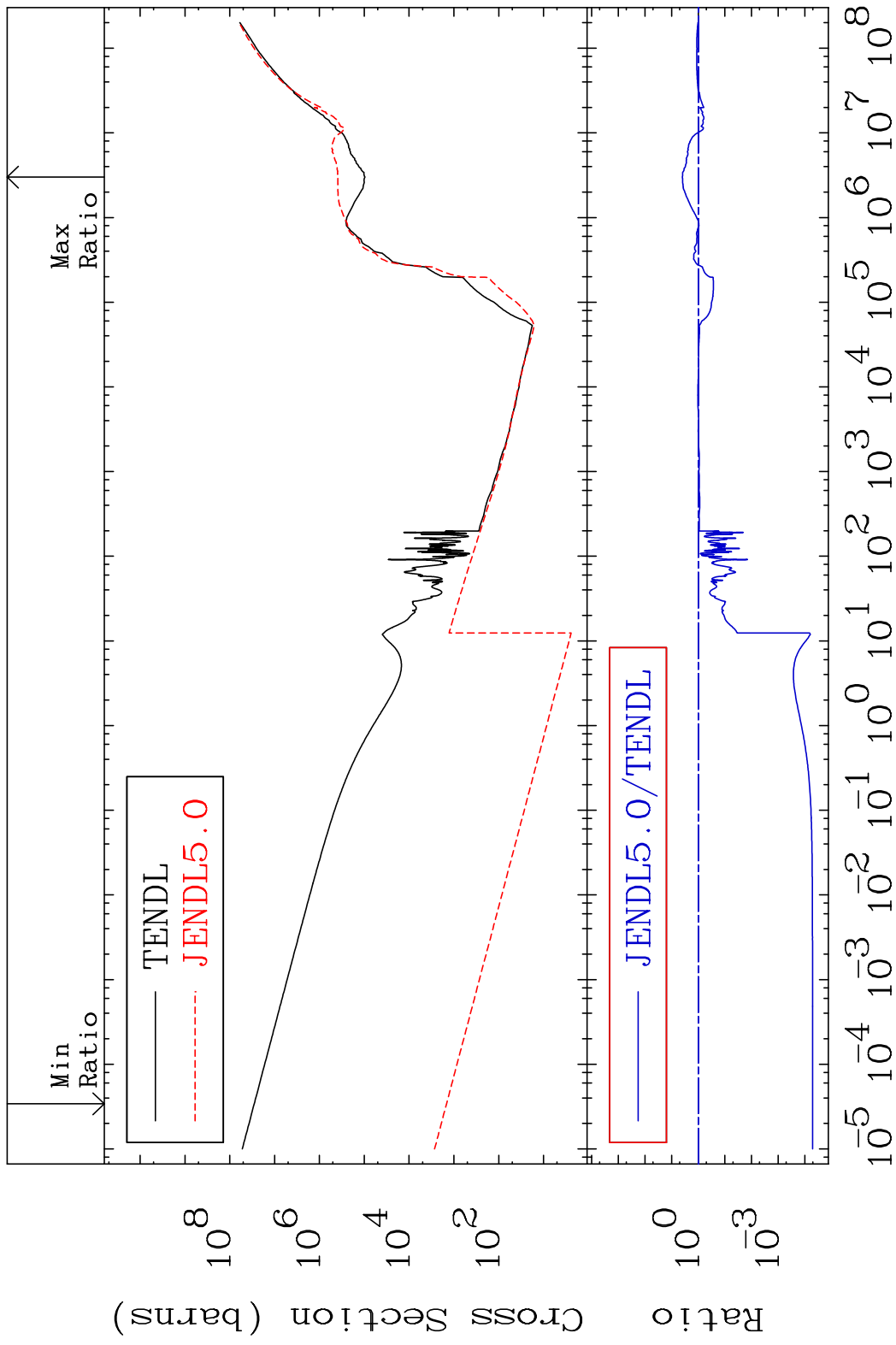


48

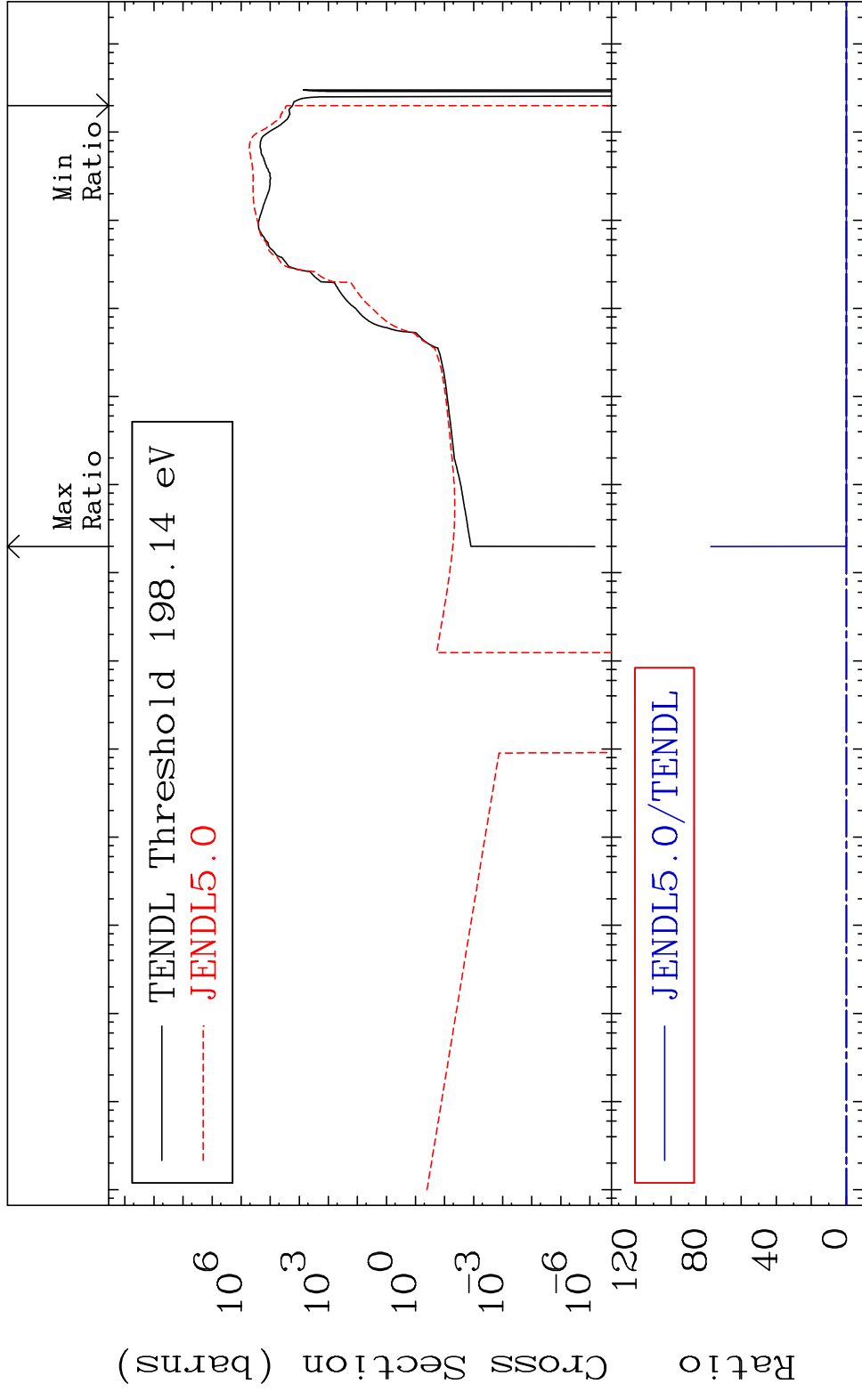
Incident Energy (eV)

48-Cd-113m

MAT 4847 Kerma non-elastic (all but mt2) 48-Cd-113m
 Cross Section -99.99 To 295.1 %

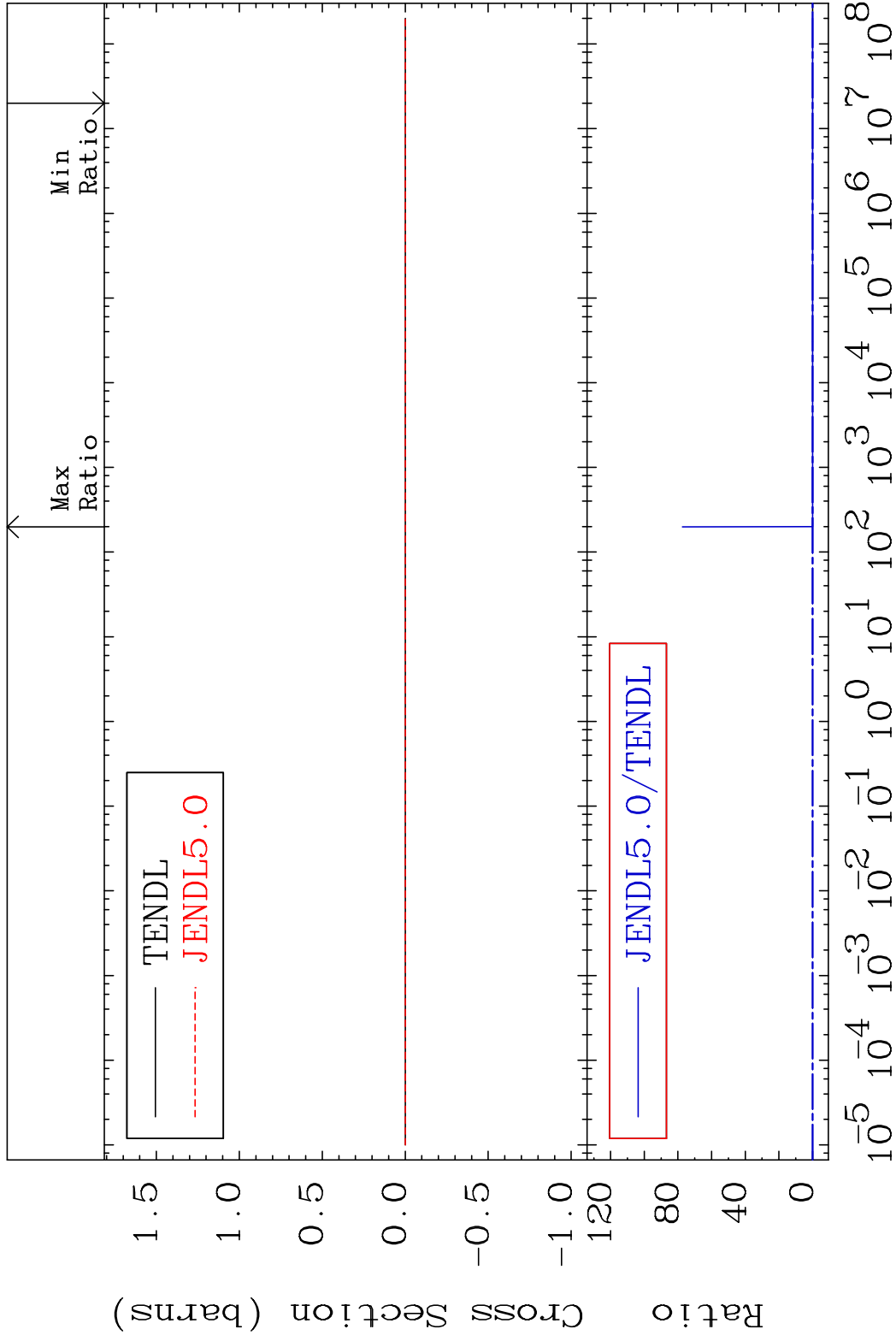


MAT 4847 Kerma inelastic (mt51-91) 48-Cd-113m
 Cross Section -100.0 To 9999. %

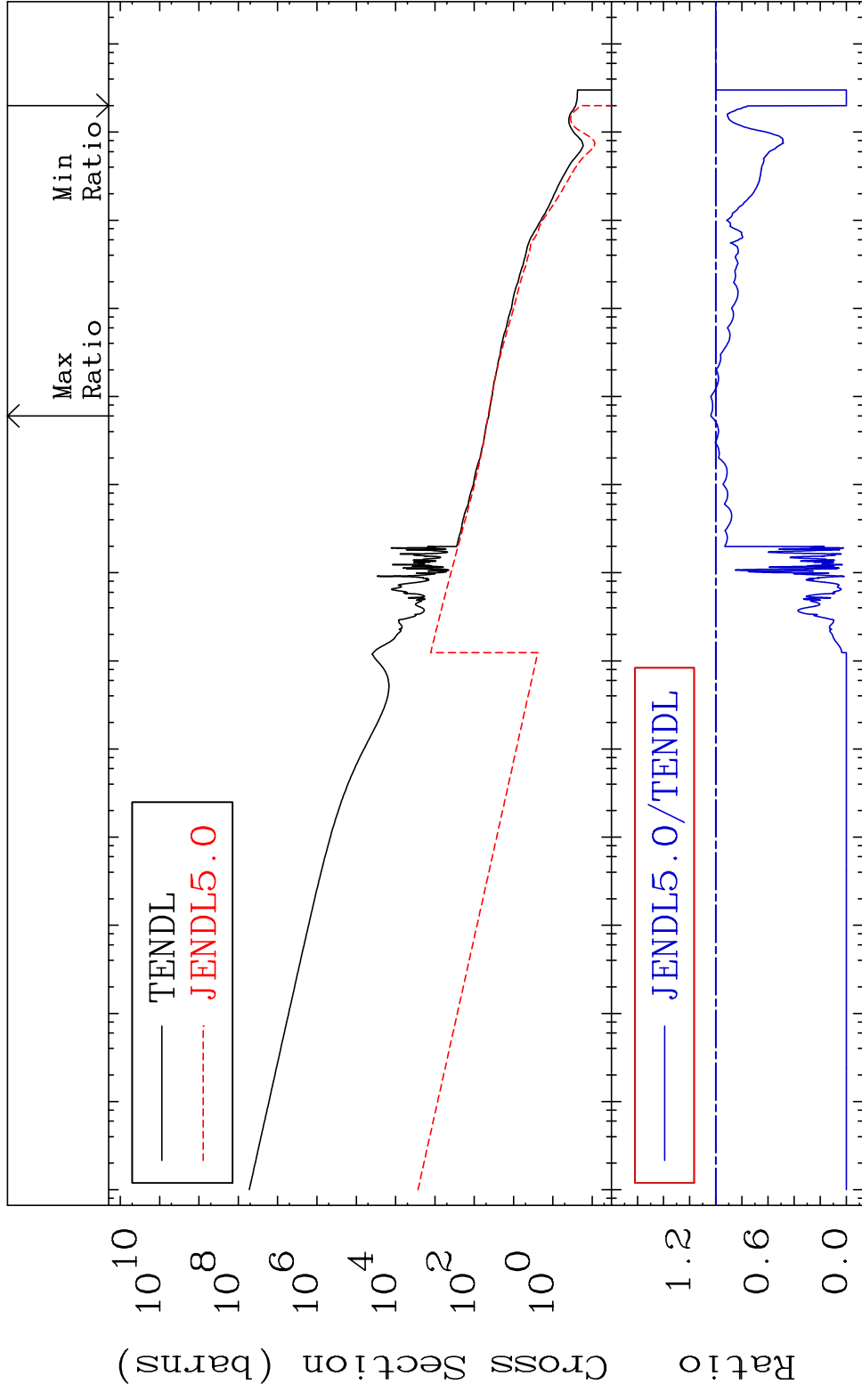


50 Incident Energy (eV) 48-Cd-113m

MAT 4847 Kerma fission (mt18 or mt19-20-21-38) Cd-113m
 Cross Section -100.0 To 9999. %

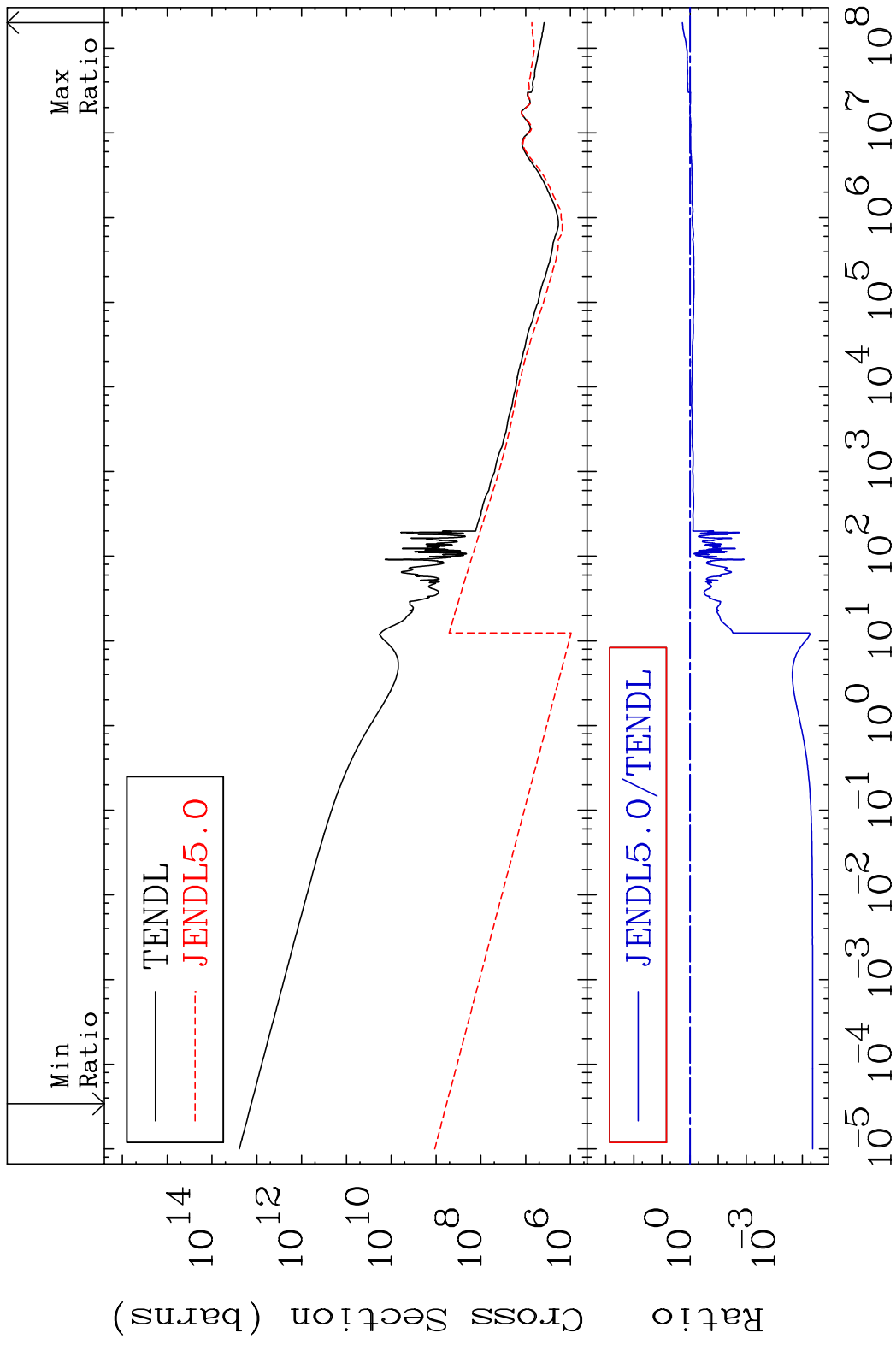


MAT 4847 Kerma capture (mt102) 48-Cd-113m
 Cross Section -100.0 To 3.899 %



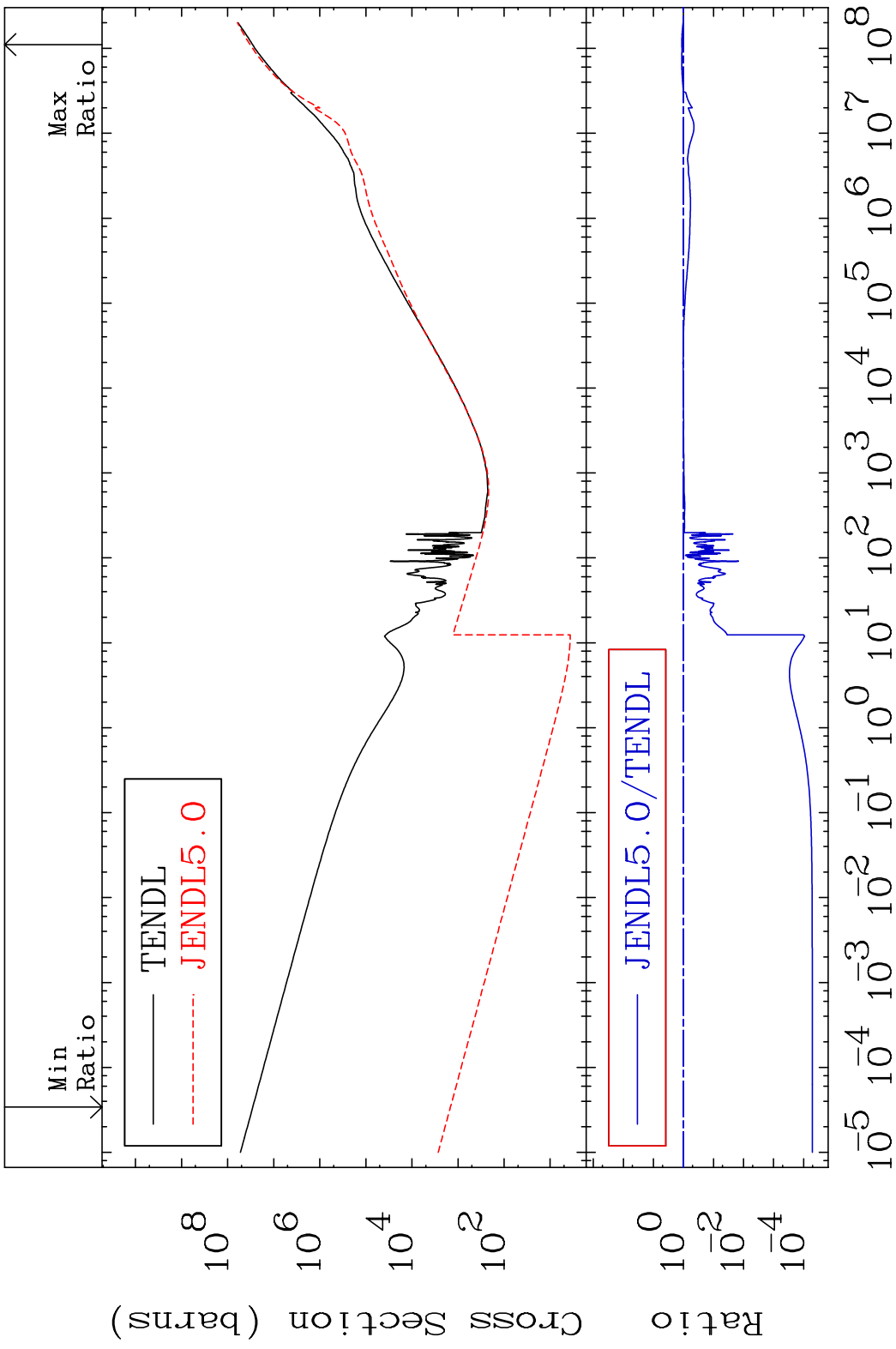
52 Incident Energy (eV) 48-Cd-113m

MAT 4847 Total photon (eV-barns) 48-Cd-113m
Cross Section -100.0 To 87.83 %

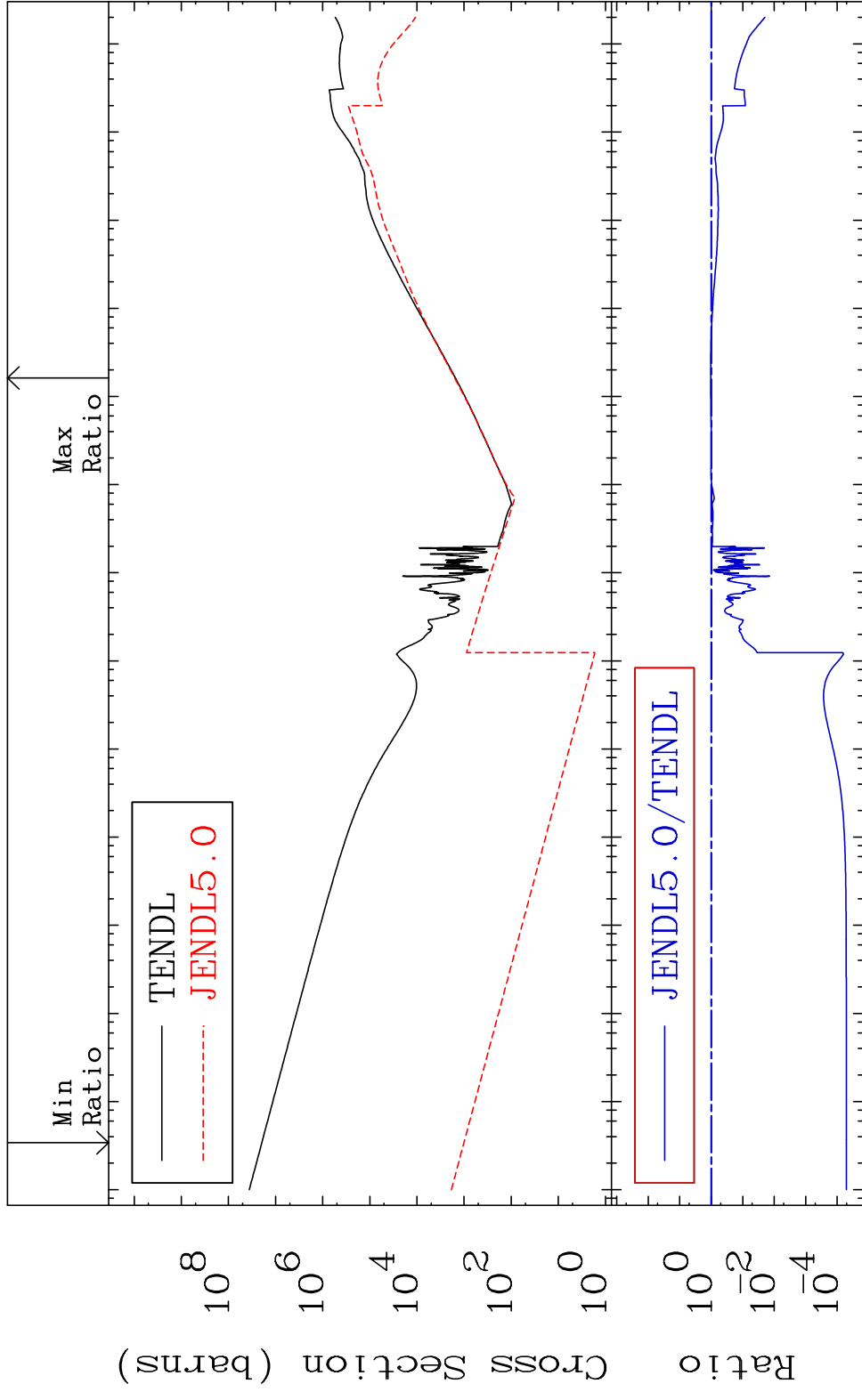


53 Incident Energy (eV) 48-Cd-113m

MAT 4847 Total kinematic kerma (high limit)48-Cd-113m
 Cross Section -99.99 To 14.15 %



MAT 4847 Dpa total (eV-barns) 48-Cd-113m
 Cross Section -99.99 To 3.552 %



55 Incident Energy (eV) 48-Cd-113m

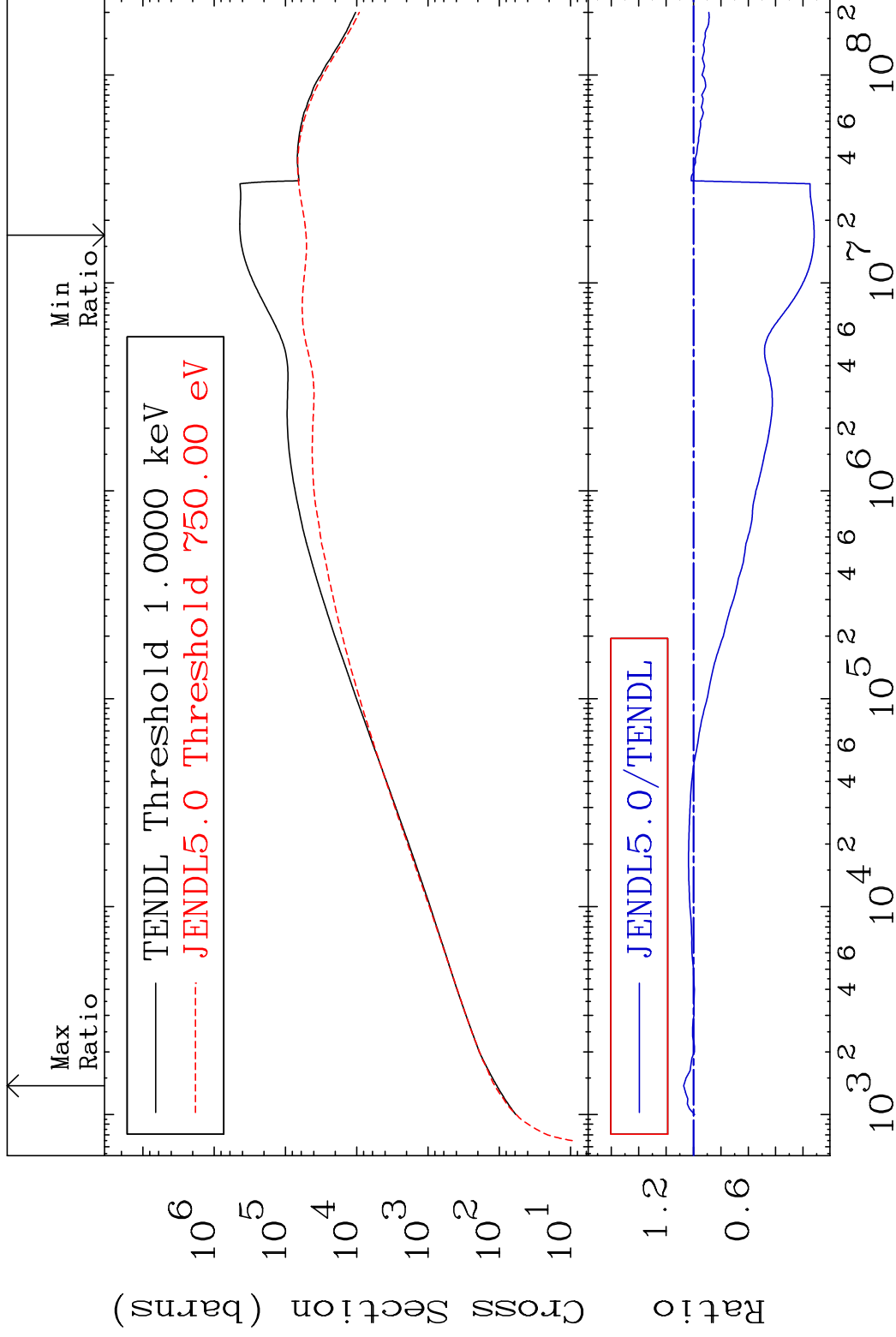
MAT 4847

Dpa elastic (mt2)

48-Cd-113m

Cross Section

-88.08 To 7.186 %

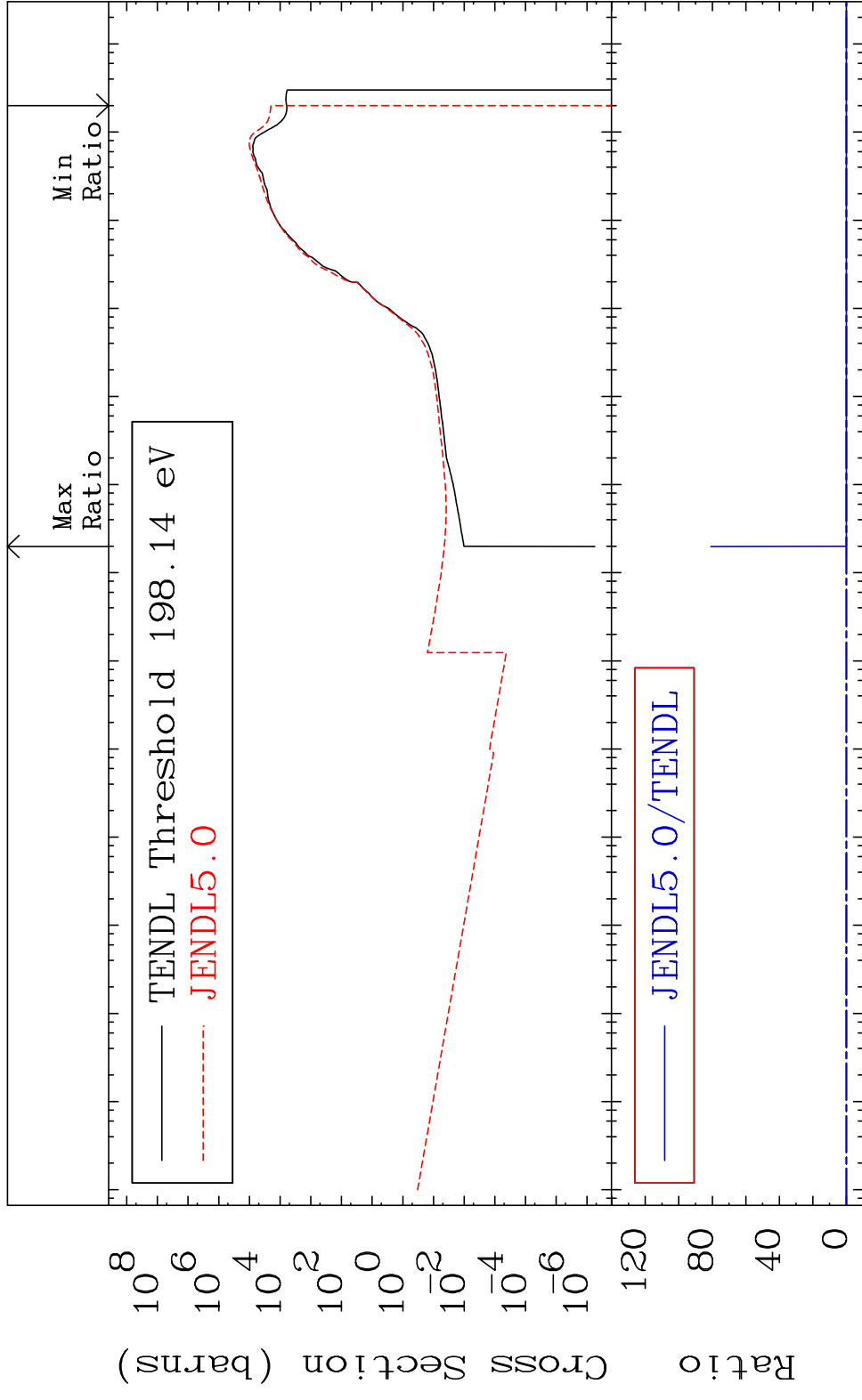


56

Incident Energy (eV)

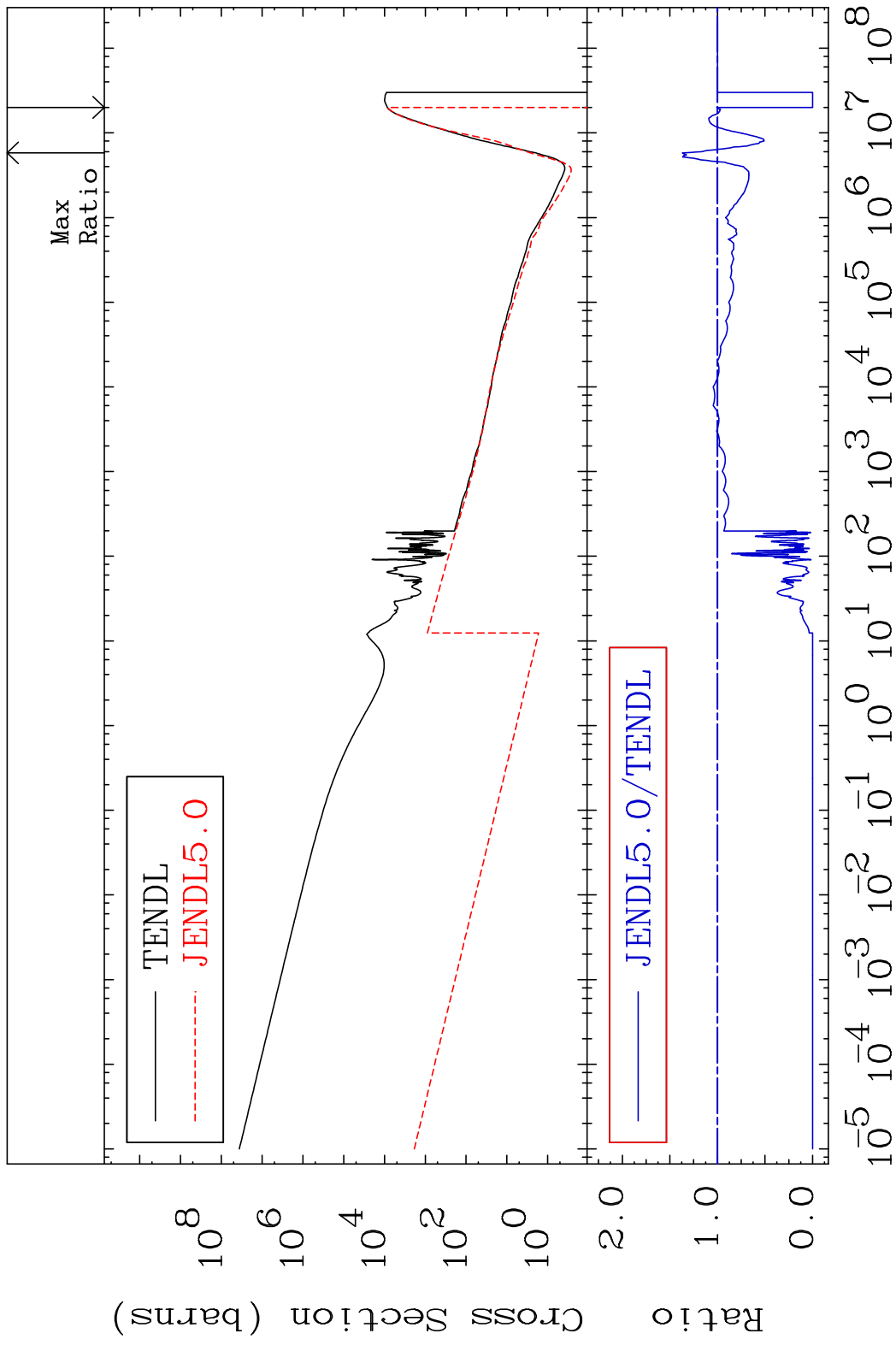
48-Cd-113m

MAT 4847 Dpa inelastic (mt51-91) 48-Cd-113m
 Cross Section -100.0 To 9999. %



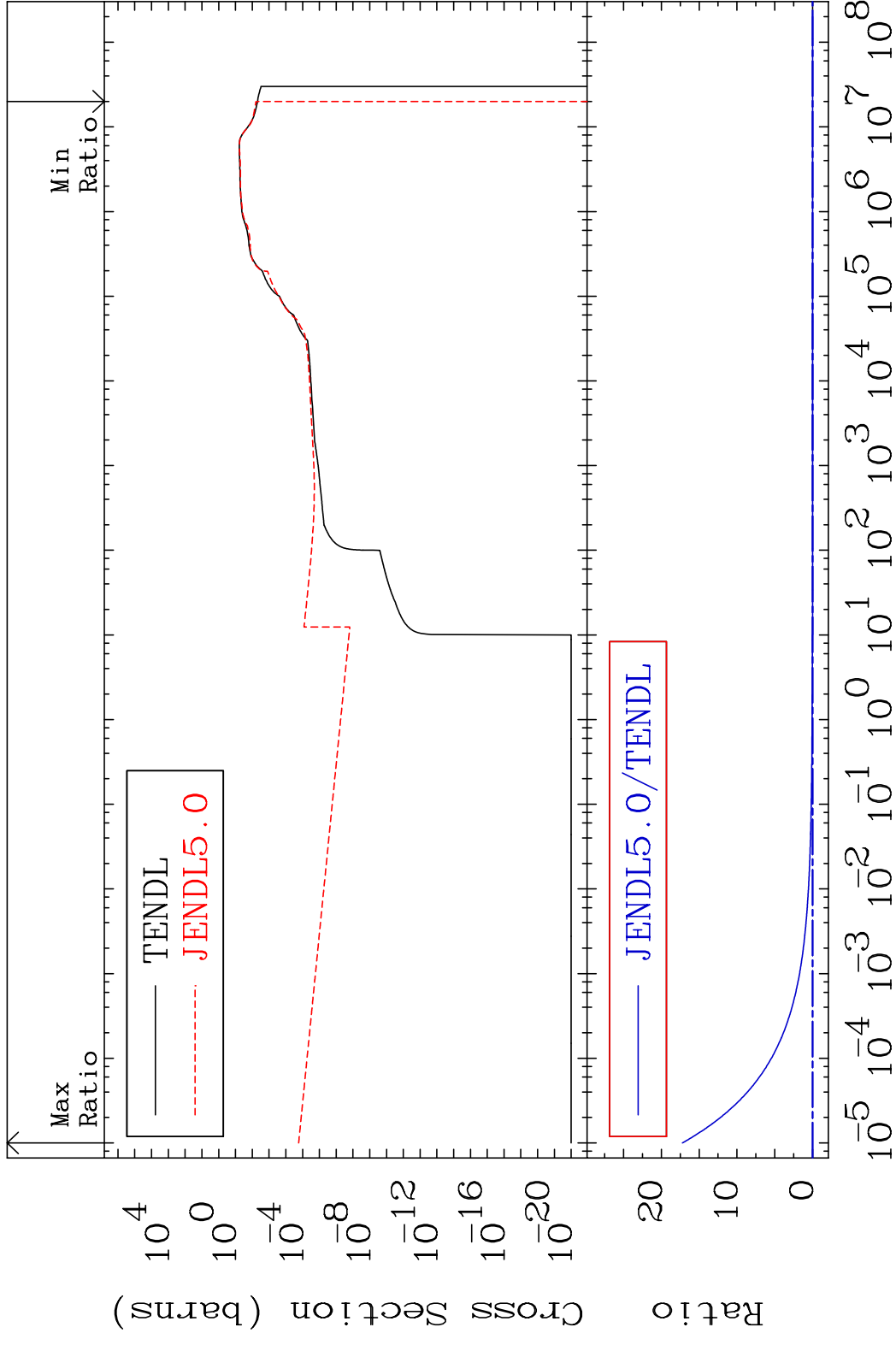
57 Incident Energy (eV) 48-Cd-113m

MAT 4847 Dpa disappearance (mt102 -120) 48-Cd-113m
 Cross Section -100.0 To 36.88 %



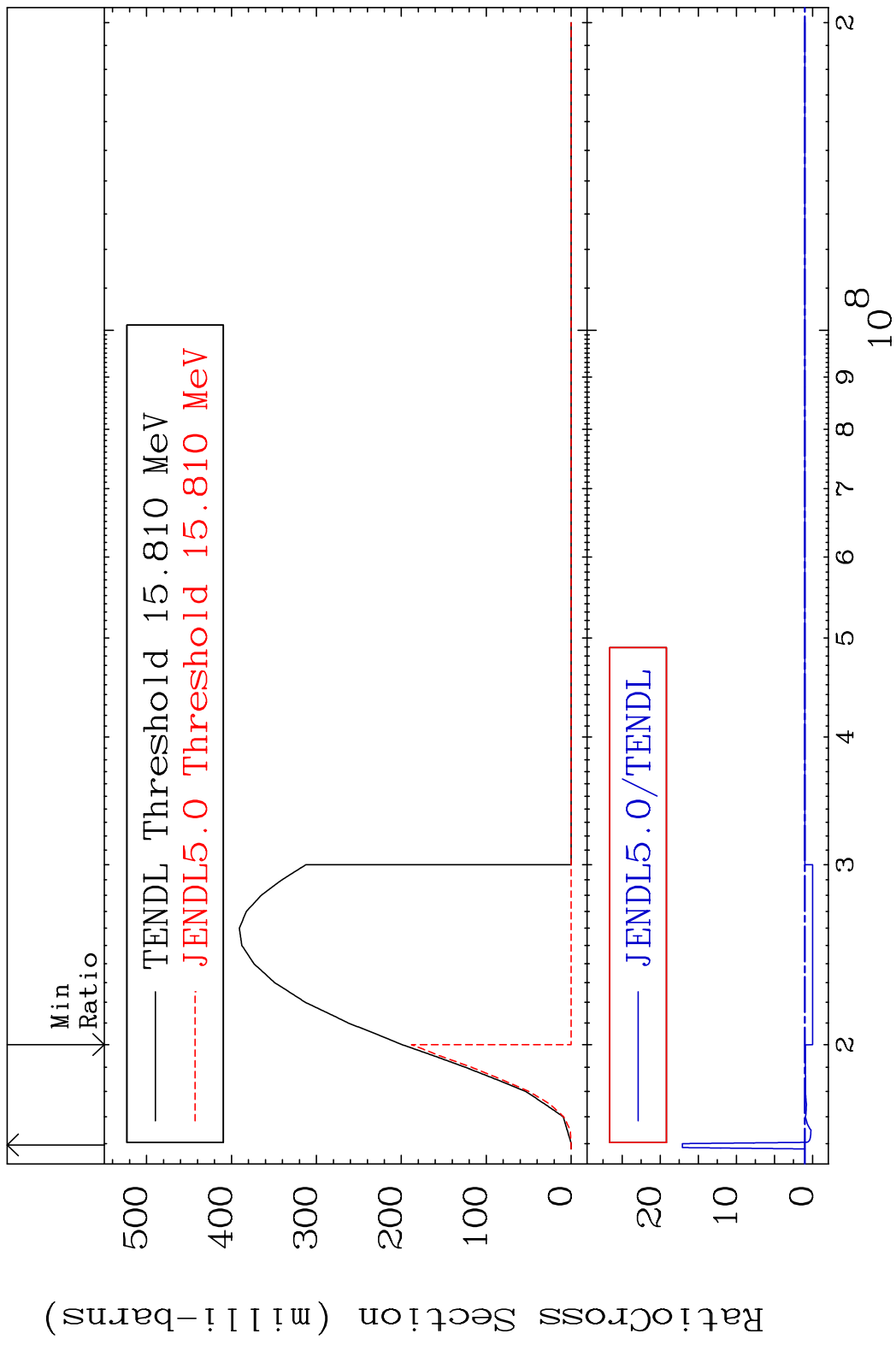
58 Incident Energy (eV) 48-Cd-113m

MAT 4847 Inelastic: 48-Cd-113g 48-Cd-113m
 Radionuclide Production Cross Section Ratio 9999. %

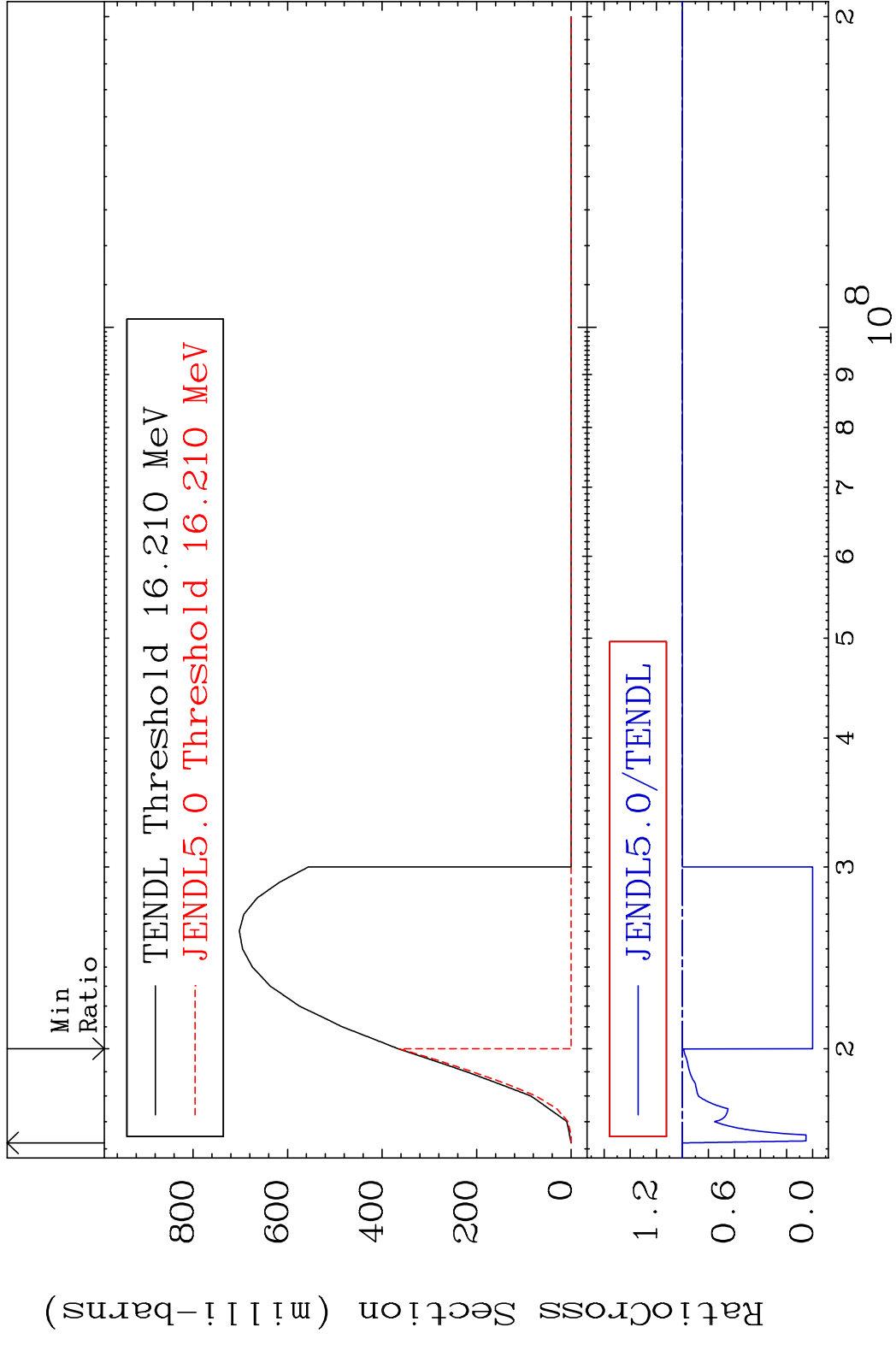


59 Incident Energy (eV) 48-Cd-113m

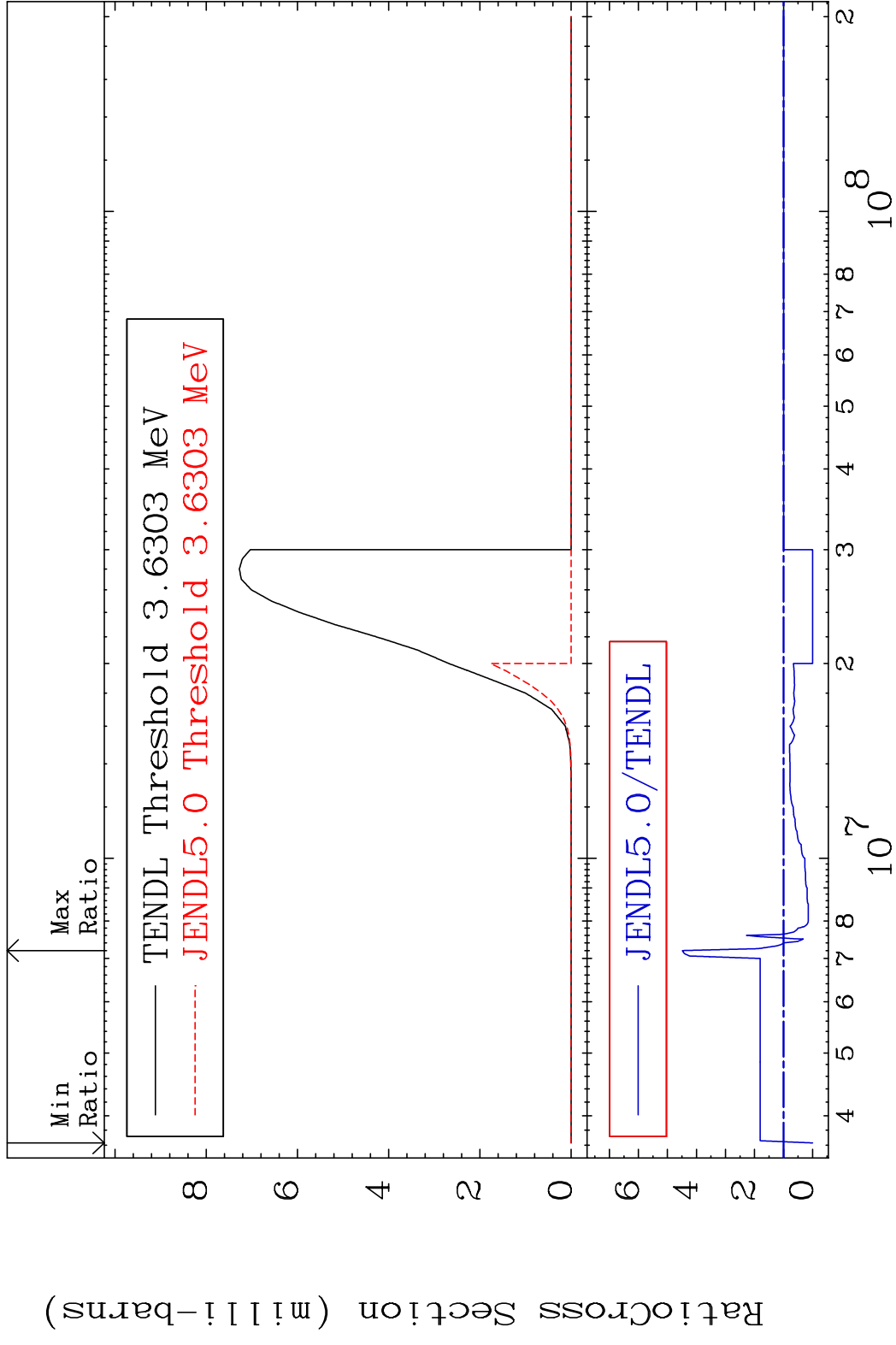
MAT 4847 (n,3n):48-Cd-111g 48-Cd-113m
 Radionuclide Production Cross Section to 1609. %

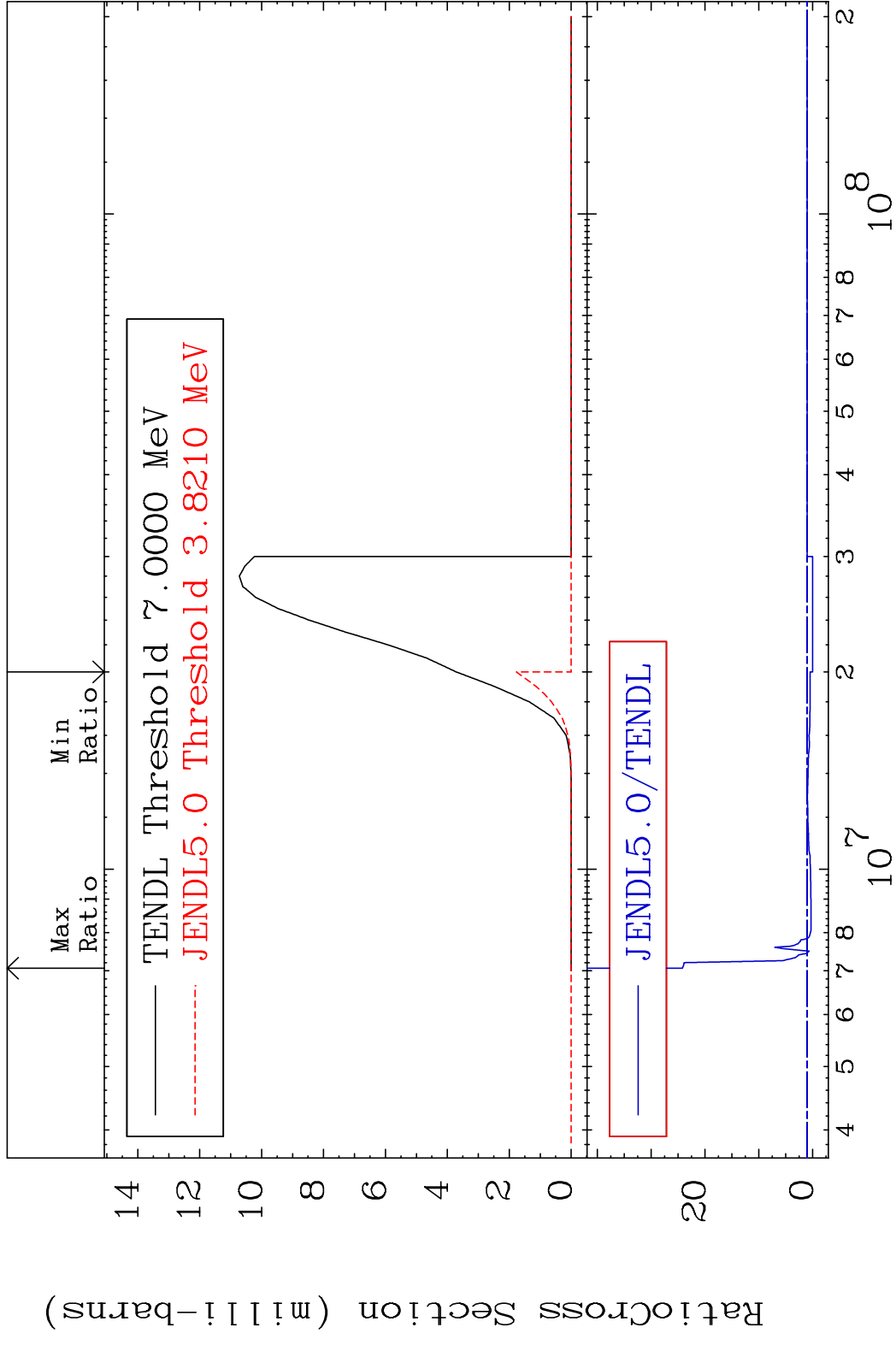


MAT 4847 (n, 3n) : 48-Cd-111m3 48-Cd-113m
 Radionuclide Production Cross Section 100.000 %

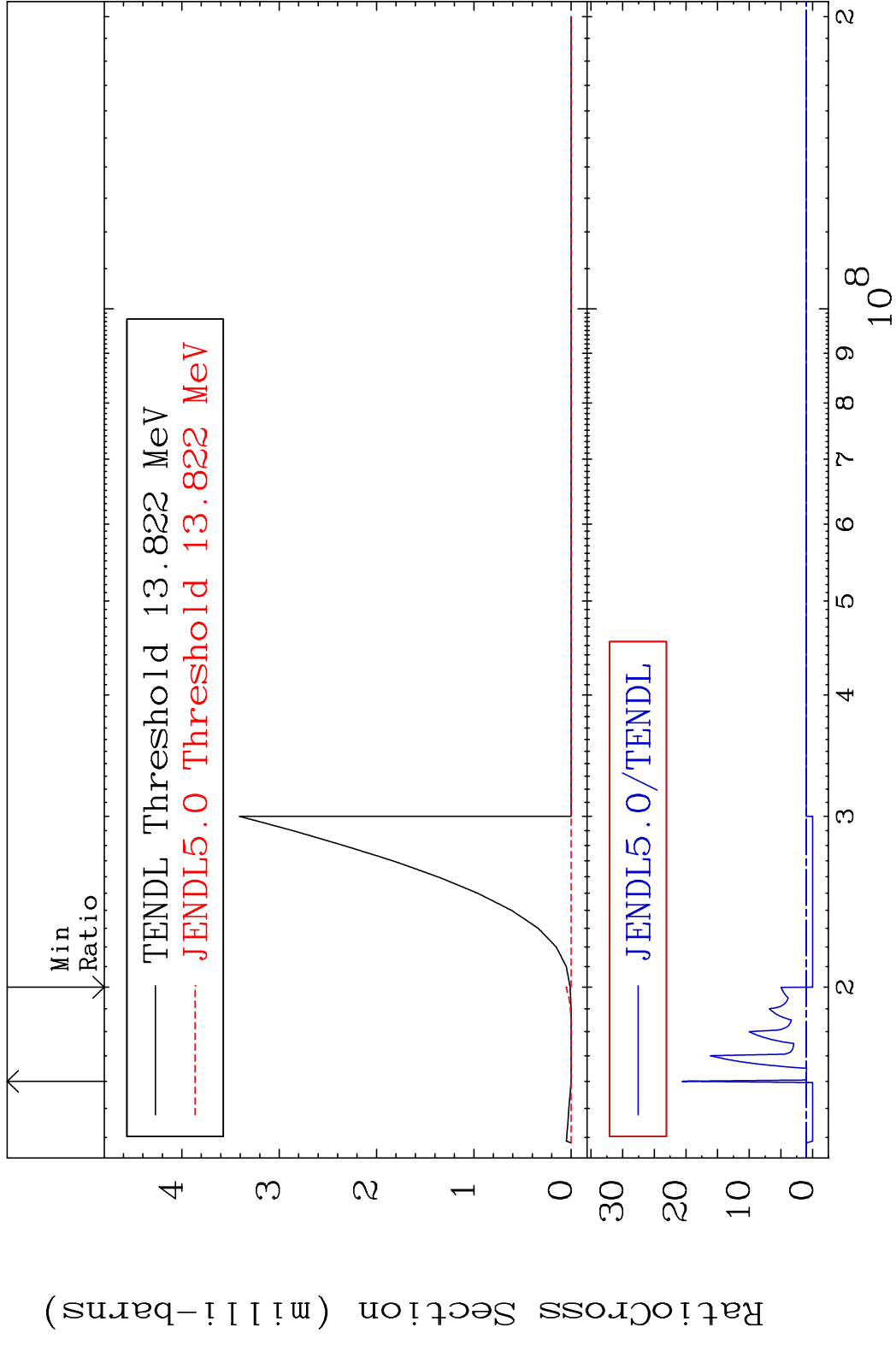


MAT 4847 (n, n') α :46-Pd-109g 48-Cd-113m
 Radionuclide Production Cross Section 180.0 dth 348.6 %

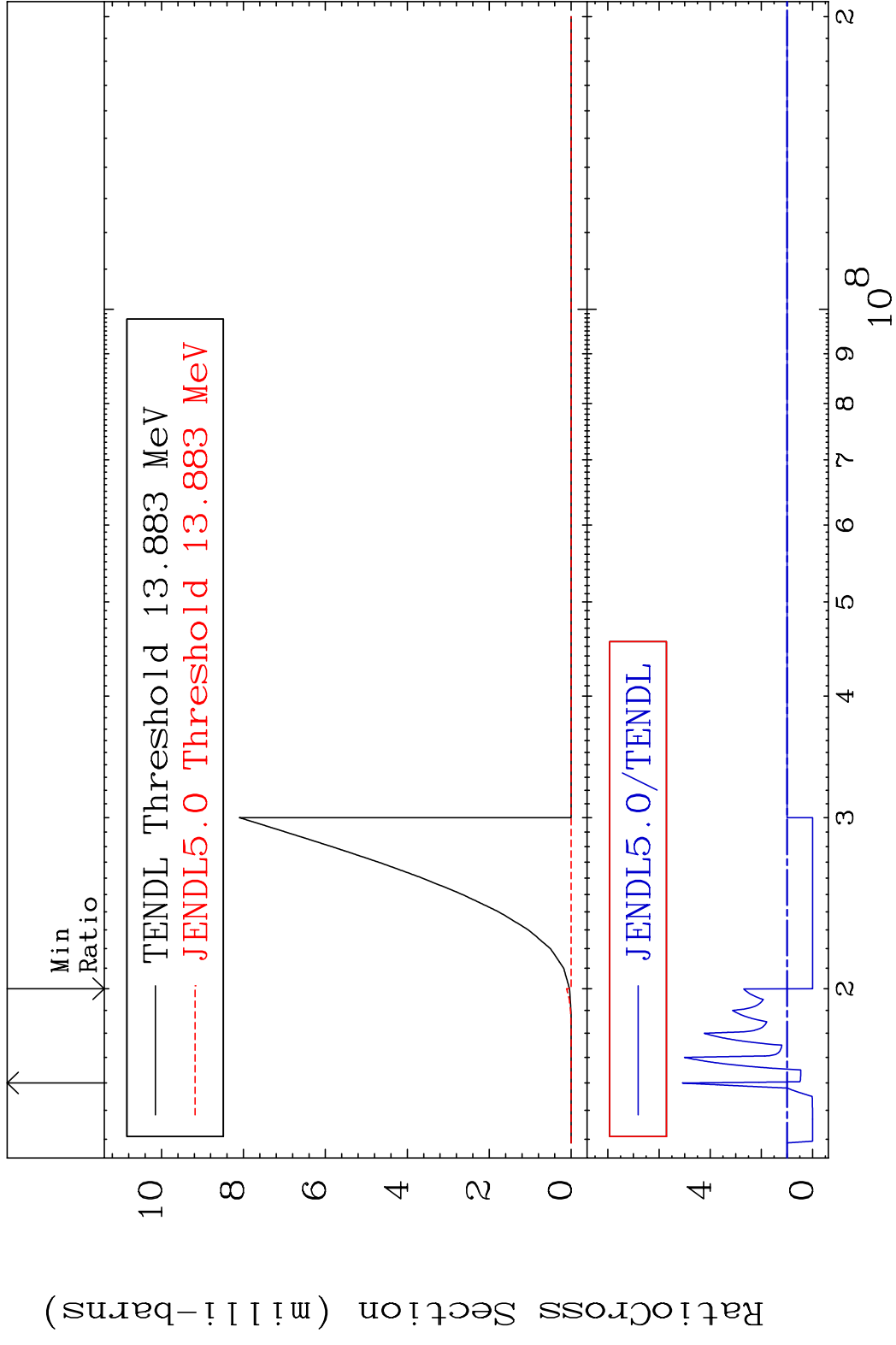




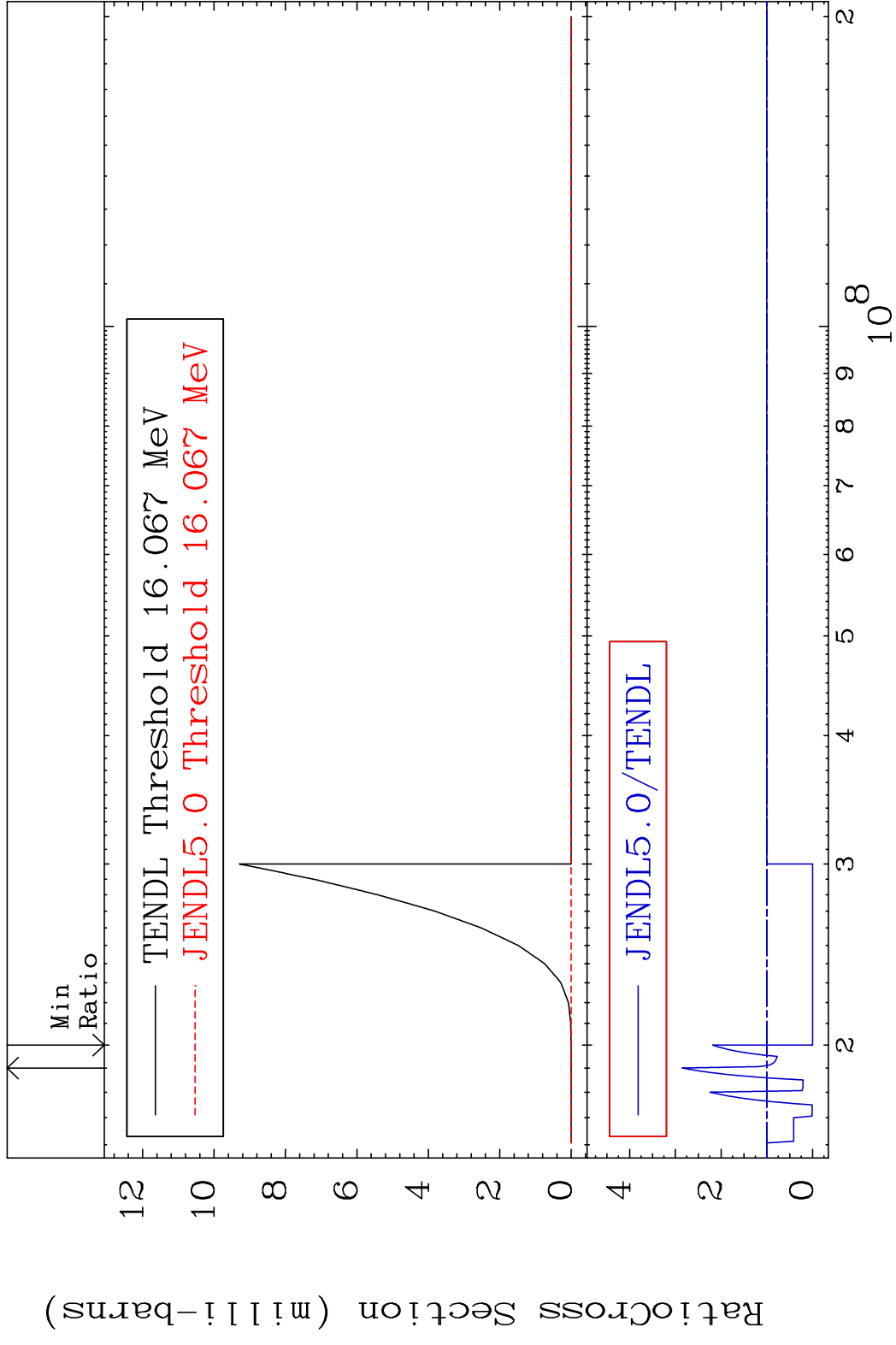
MAT 4847 (n, n') d:47-Ag-111g 48-Cd-113m
 Radionuclide Production Cross Section 1957. %



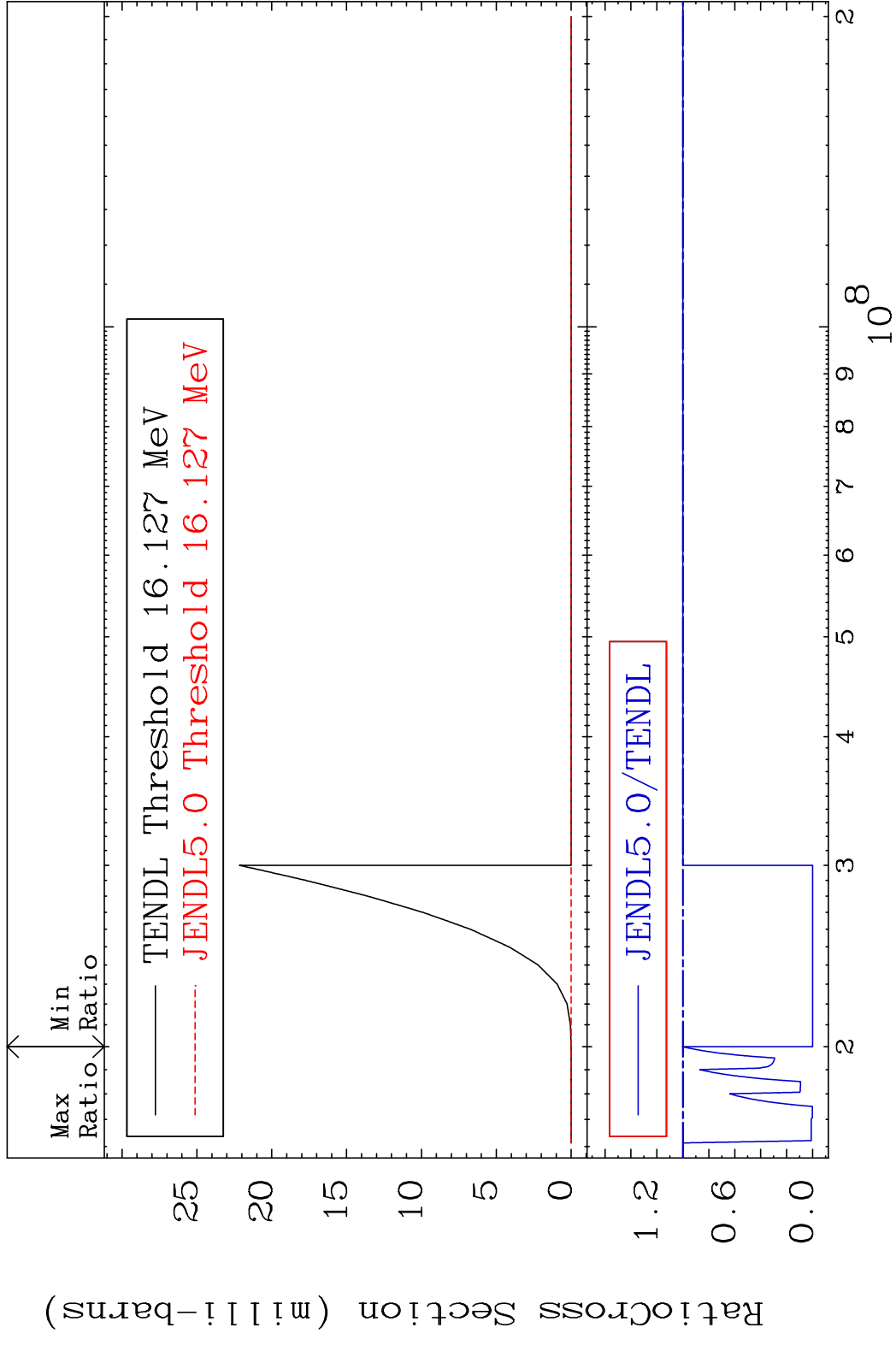
MAT 4847 (n, n') d:47-Ag-111m1 48-Cd-113m
 Radionuclide Production Cross Section Ratio 408.8 %



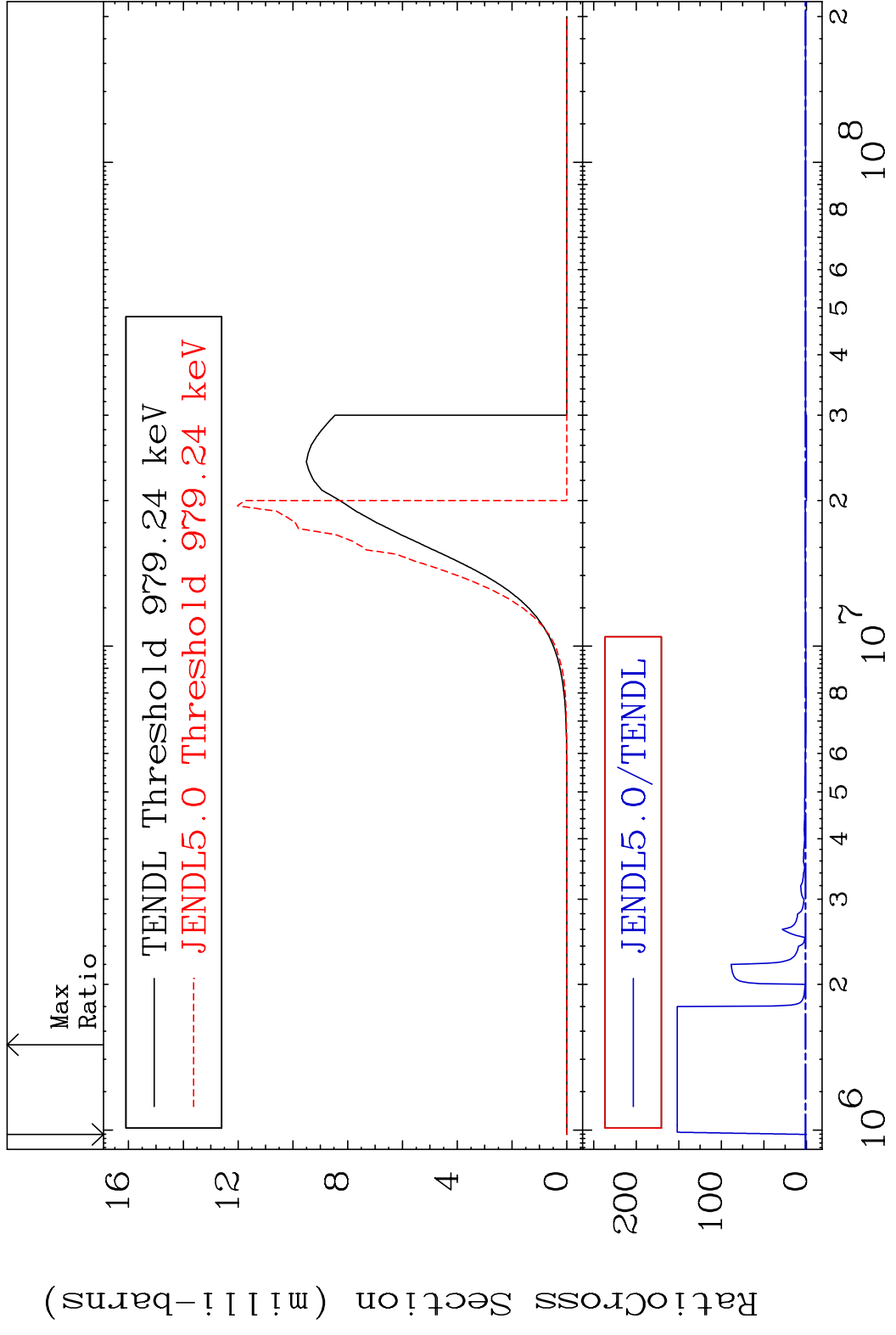
MAT 4847 (n,2n) p:47-Ag-111g 48-Cd-113m
 Radionuclide Production Cross Section 184.8 %



MAT 4847 (n,2n) p:47-Ag-111m1 48-Cd-113m
 Radionuclide Production Cross Section Ratio 0.380 %

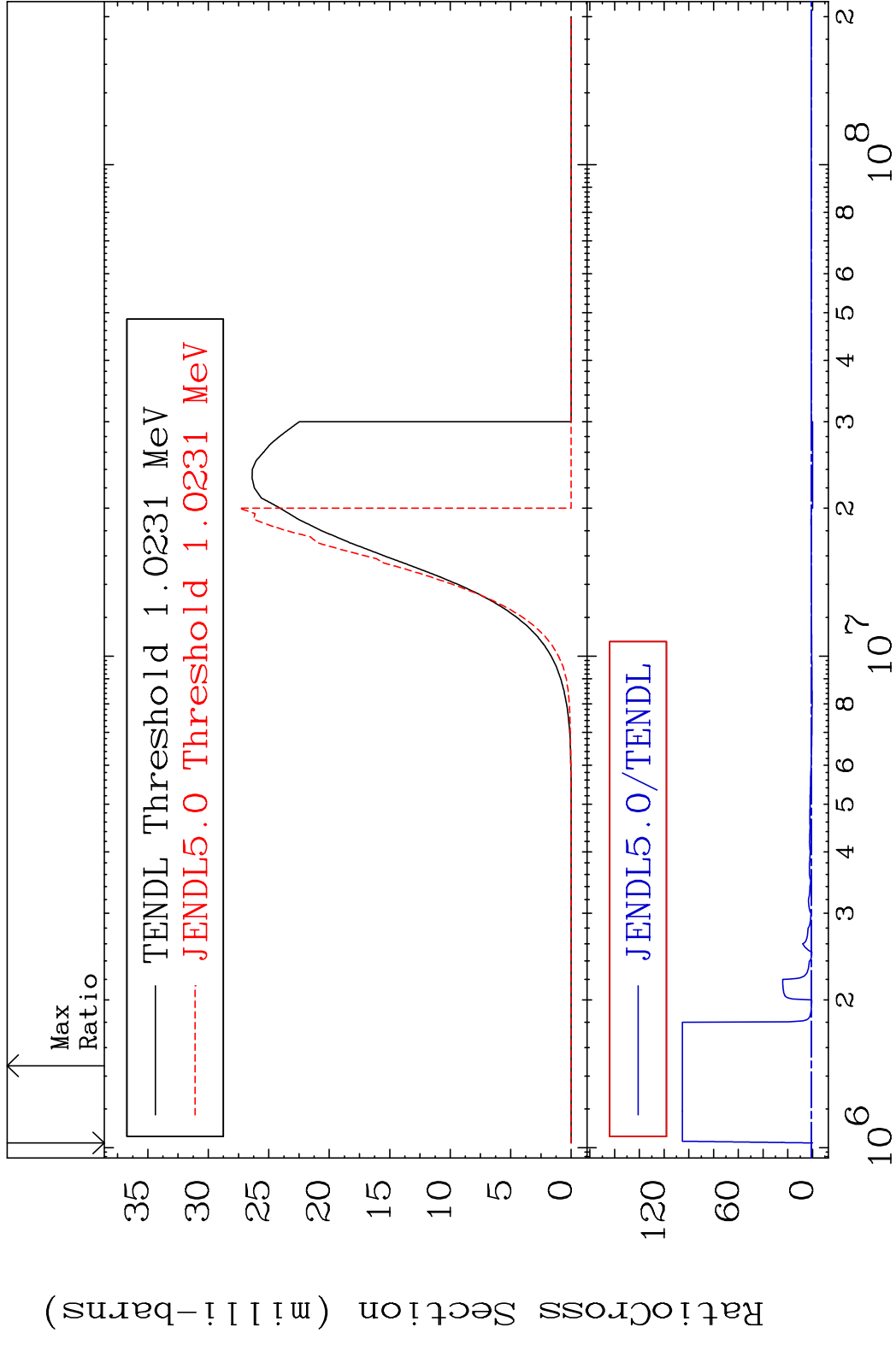


MAT 4847 (n,p):47-Ag-113g 48-Cd-113m
 Radionuclide Production Cross Section to 9999. %



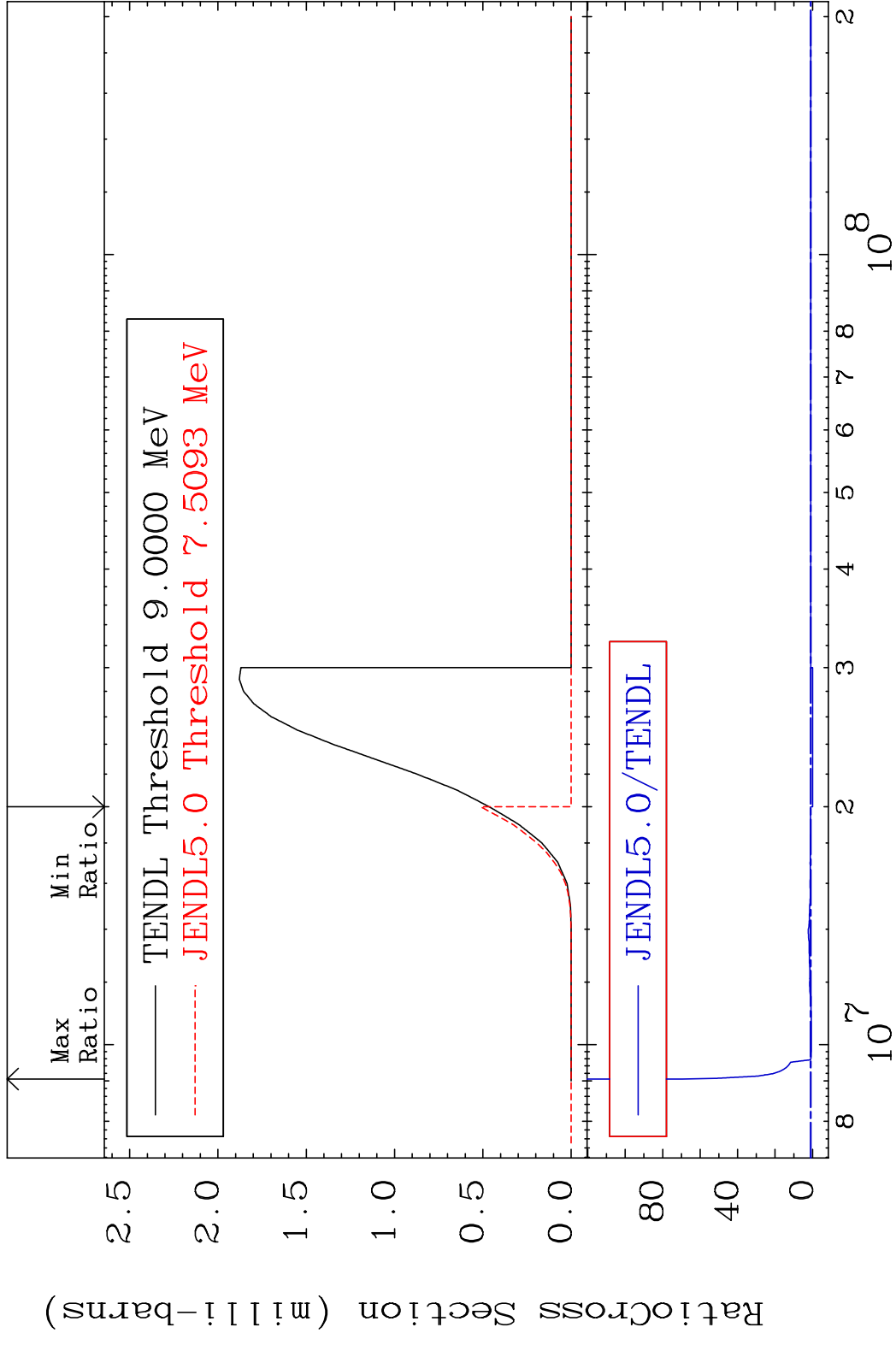
68 Incident Energy (eV) 48-Cd-113m

MAT 4847 (n, p): 47-Ag-113m 48-Cd-113m
 Radionuclide Production Cross Section to Incident Ratio 9999. %



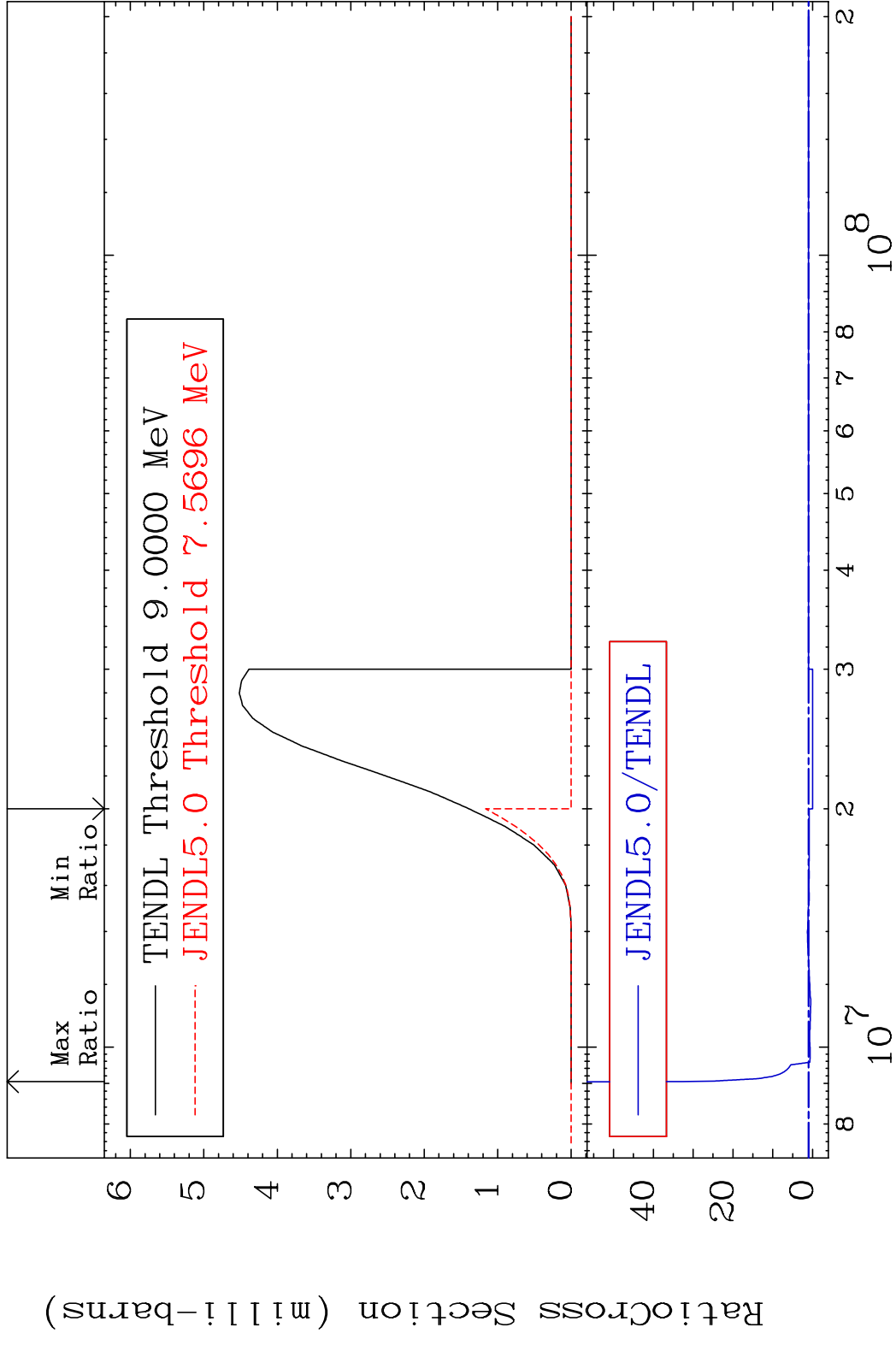
69 Incident Energy (eV) 48-Cd-113m

MAT 4847 (n,t):47-Ag-111g 48-Cd-113m
 Radionuclide Production Cross Section 6849. %

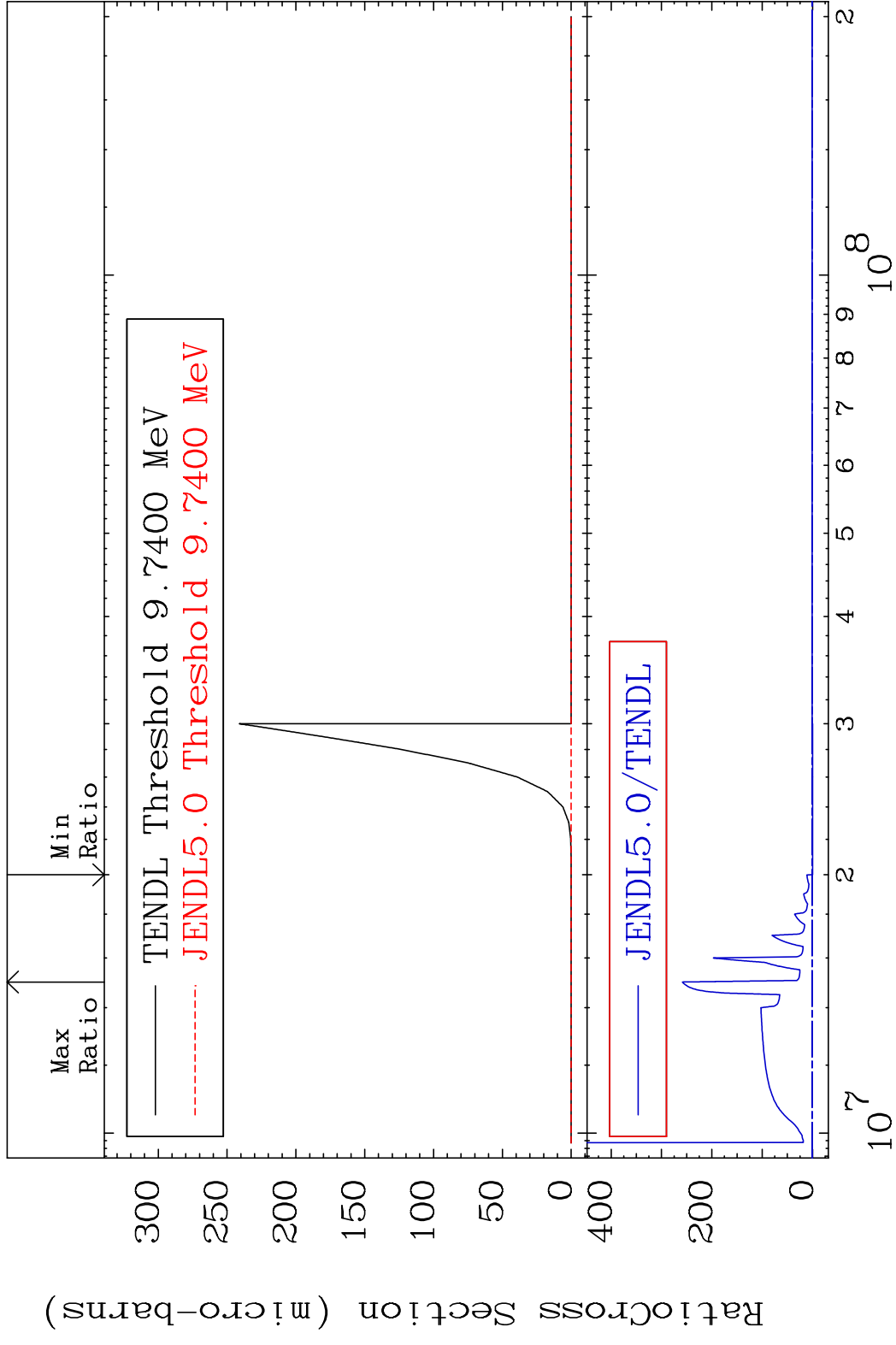


70 Incident Energy (eV) 48-Cd-113m

MAT 4847 (n, t): 47-Ag-111m1 48-Cd-113m
 Radionuclide Production Cross Section Ratio 3171. %

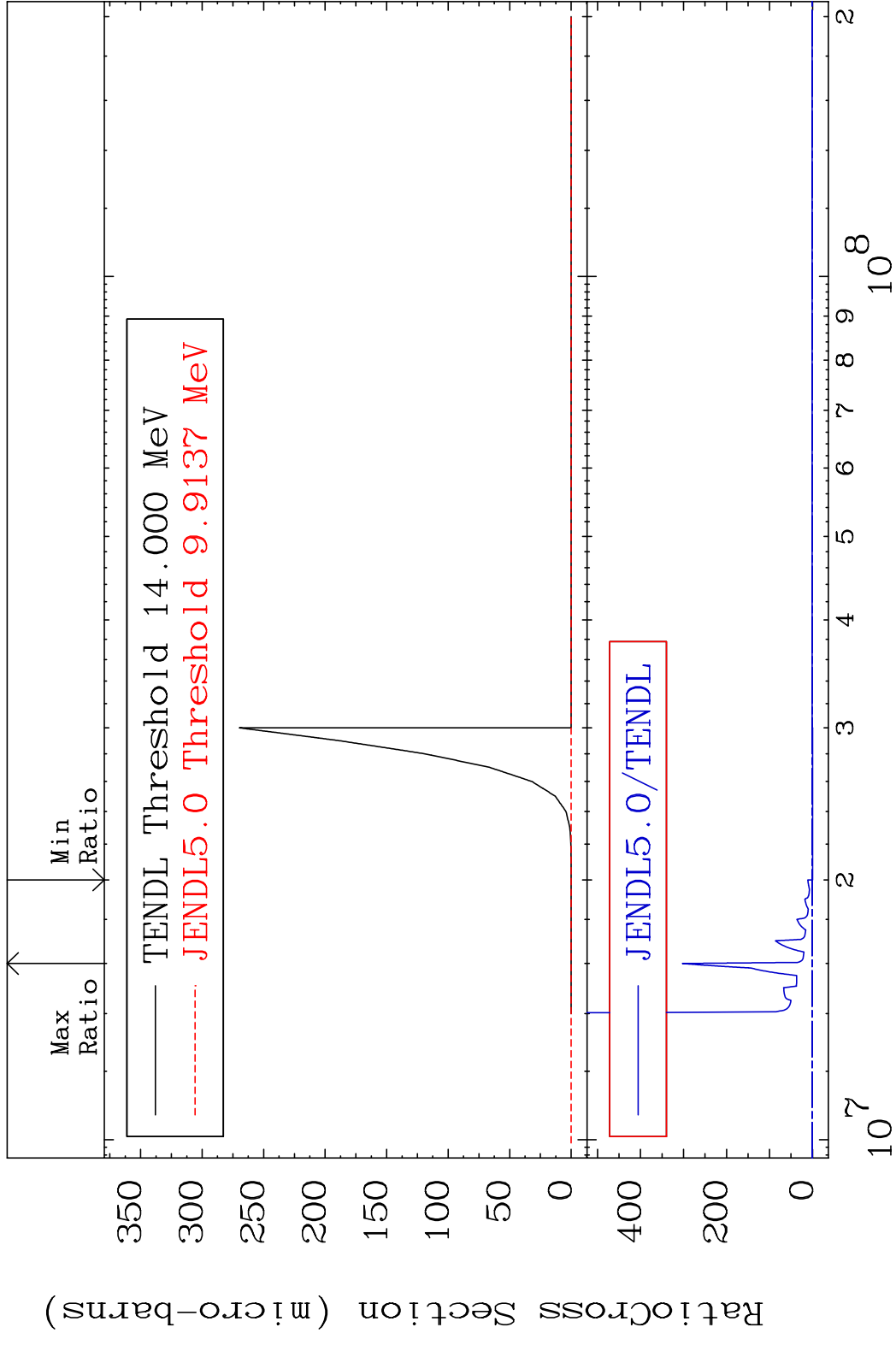


MAT 4847 (n, He-3):46-Pd-111g 48-Cd-113m
 Radionuclide Production Cross Section 100.00 to 9999.00 %



72 Incident Energy (eV) 48-Cd-113m

MAT 4847 (n, He-3) : 46-Pd-111m2 48-Cd-113m
 Radionuclide Production Cross Section 100.00 to 9999.9 %



73 Incident Energy (eV) 48-Cd-113m