

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

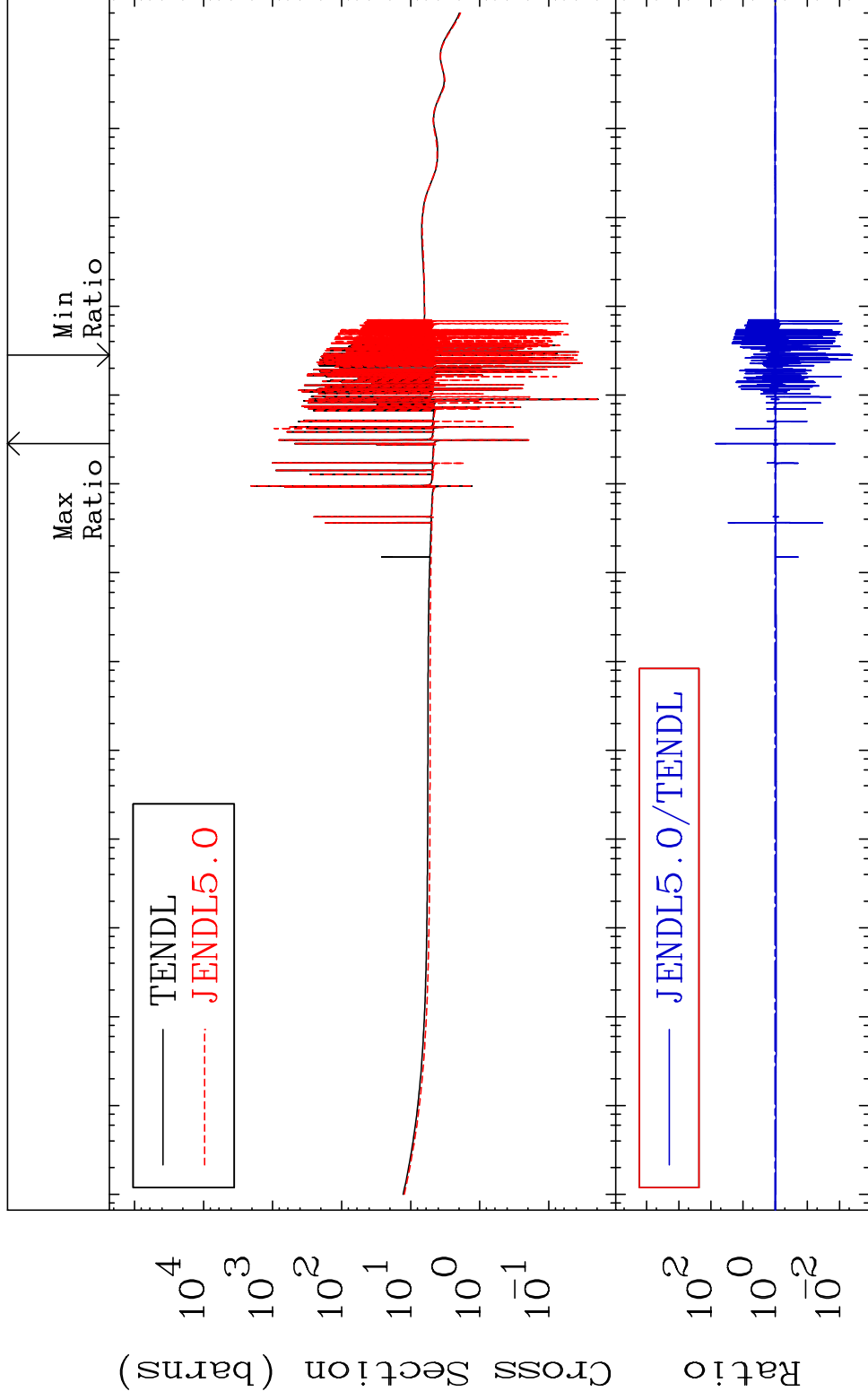
MAT 5049

Total

50-Sn-120

Cross Section

-99.60 To 7030. %



1

Incident Energy (eV)

50-Sn-120

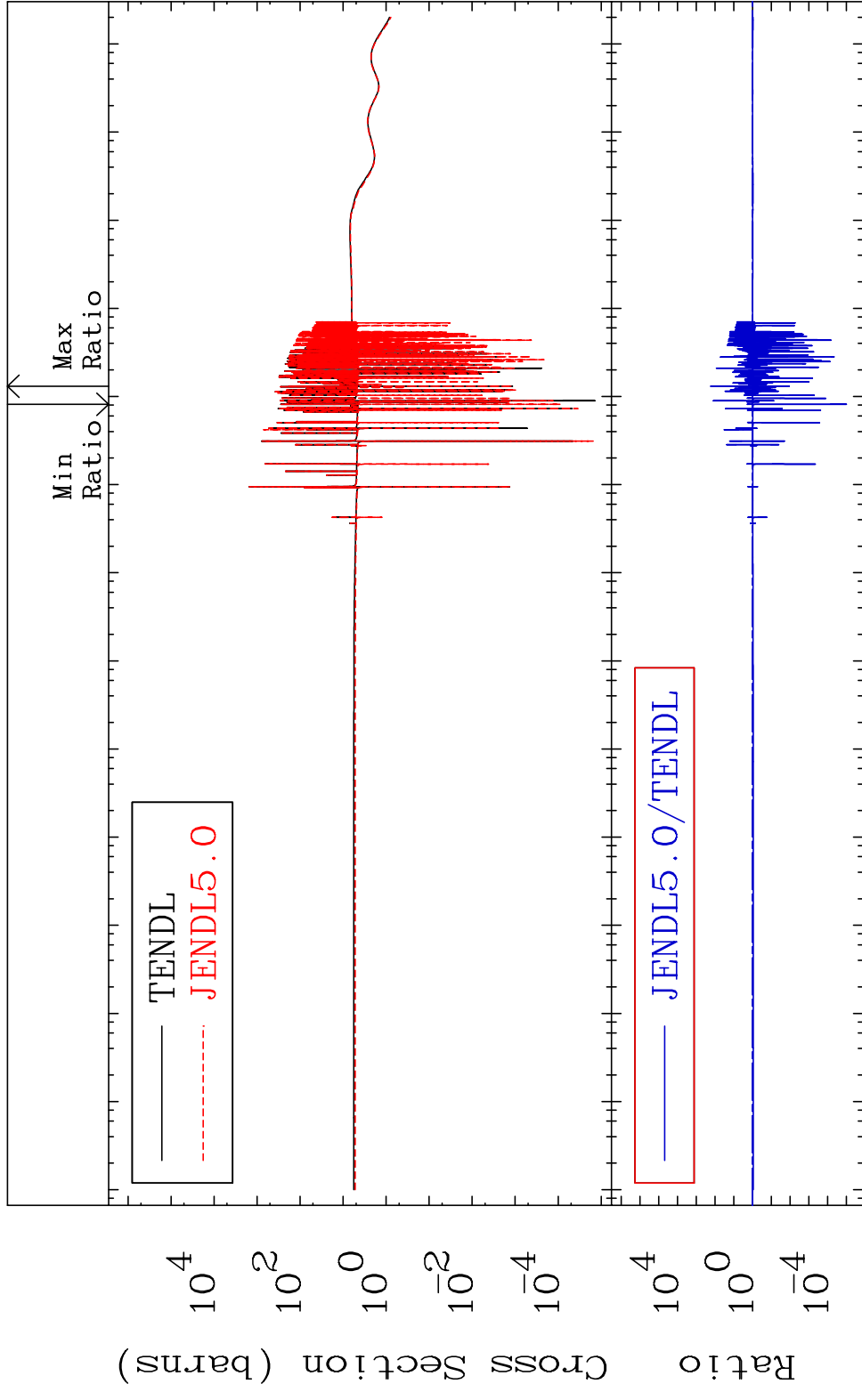
MAT 5049

Elastic

50-Sn-120

Cross Section

-100.0 To 9999. %



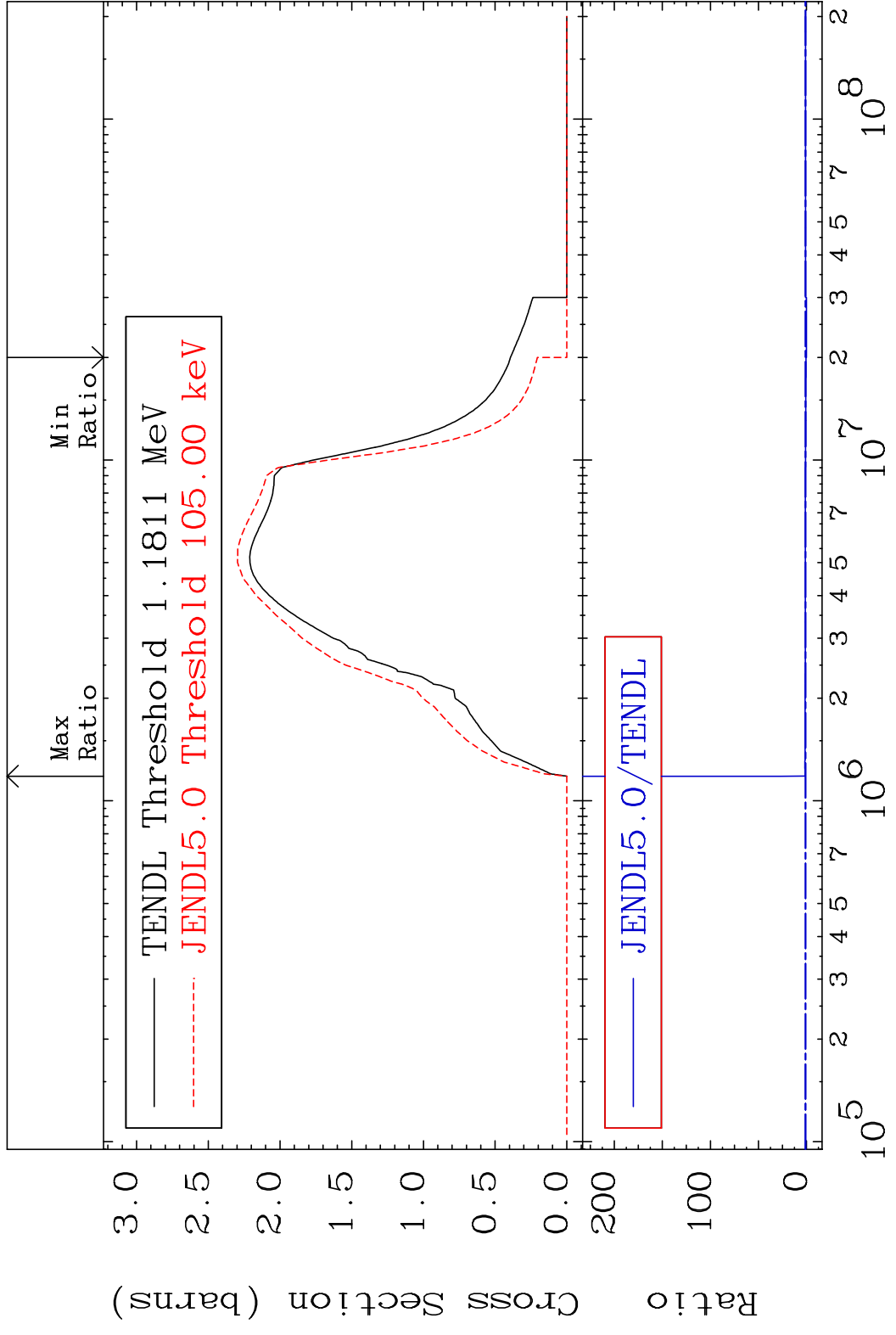
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

50-Sn-120

MAT 5049 Inelastic Cross Section -100.0 To 9999. % 50-Sn-120



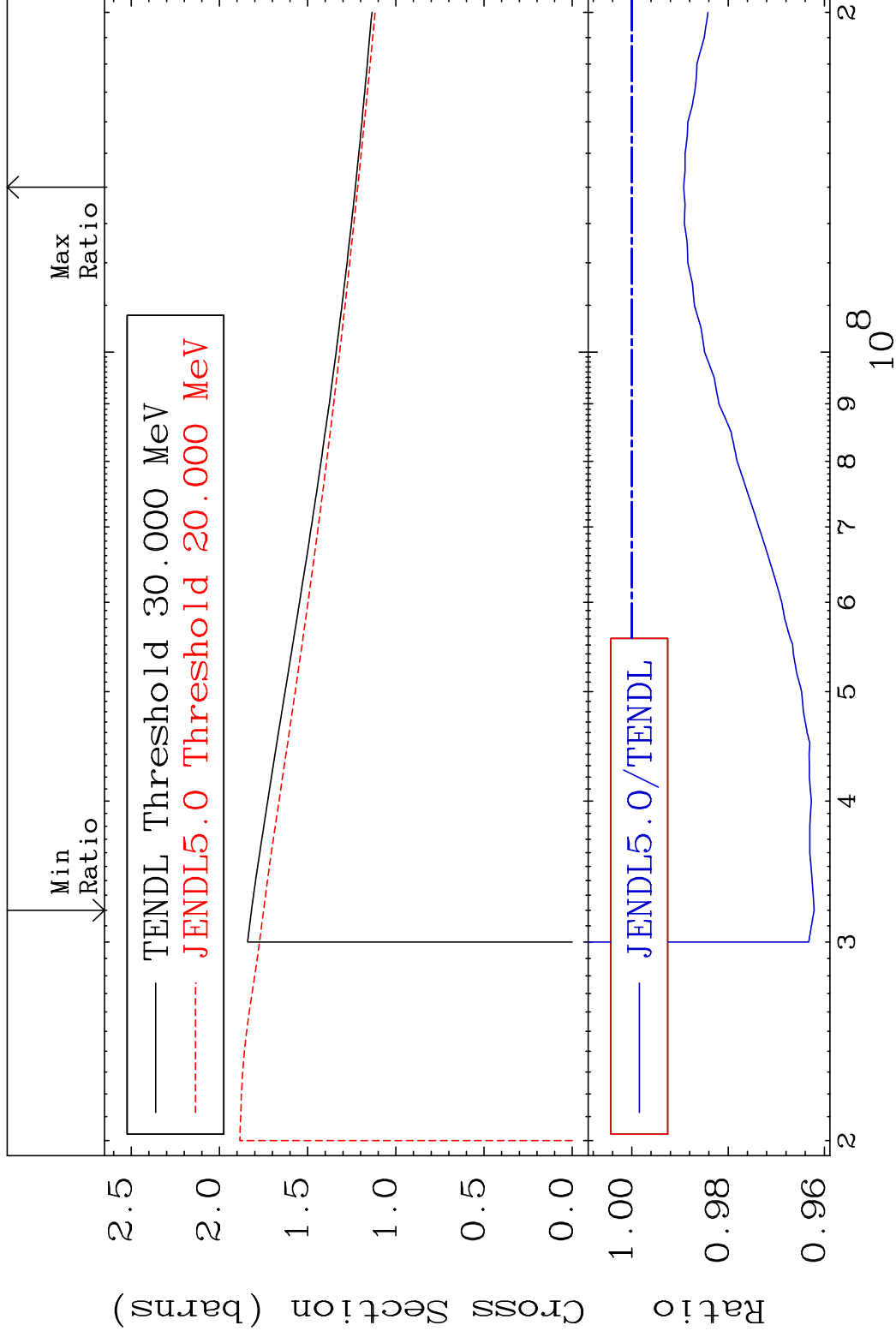
3 Incident Energy (eV) 50-Sn-120

MAT 5049

(n, remainder)

50-Sn-120

Cross Section -3.784 To -1.076%

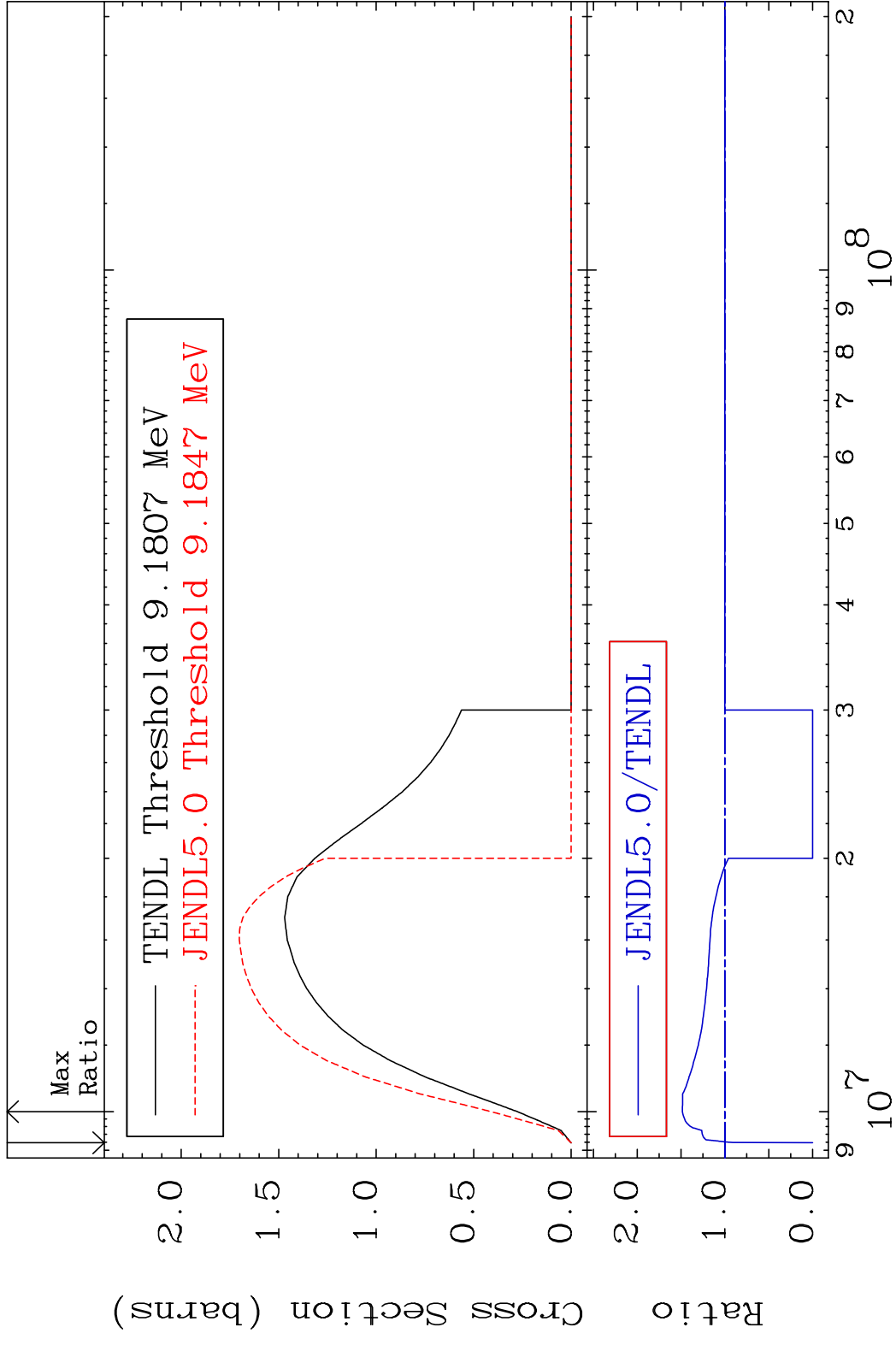


4

Incident Energy (eV)

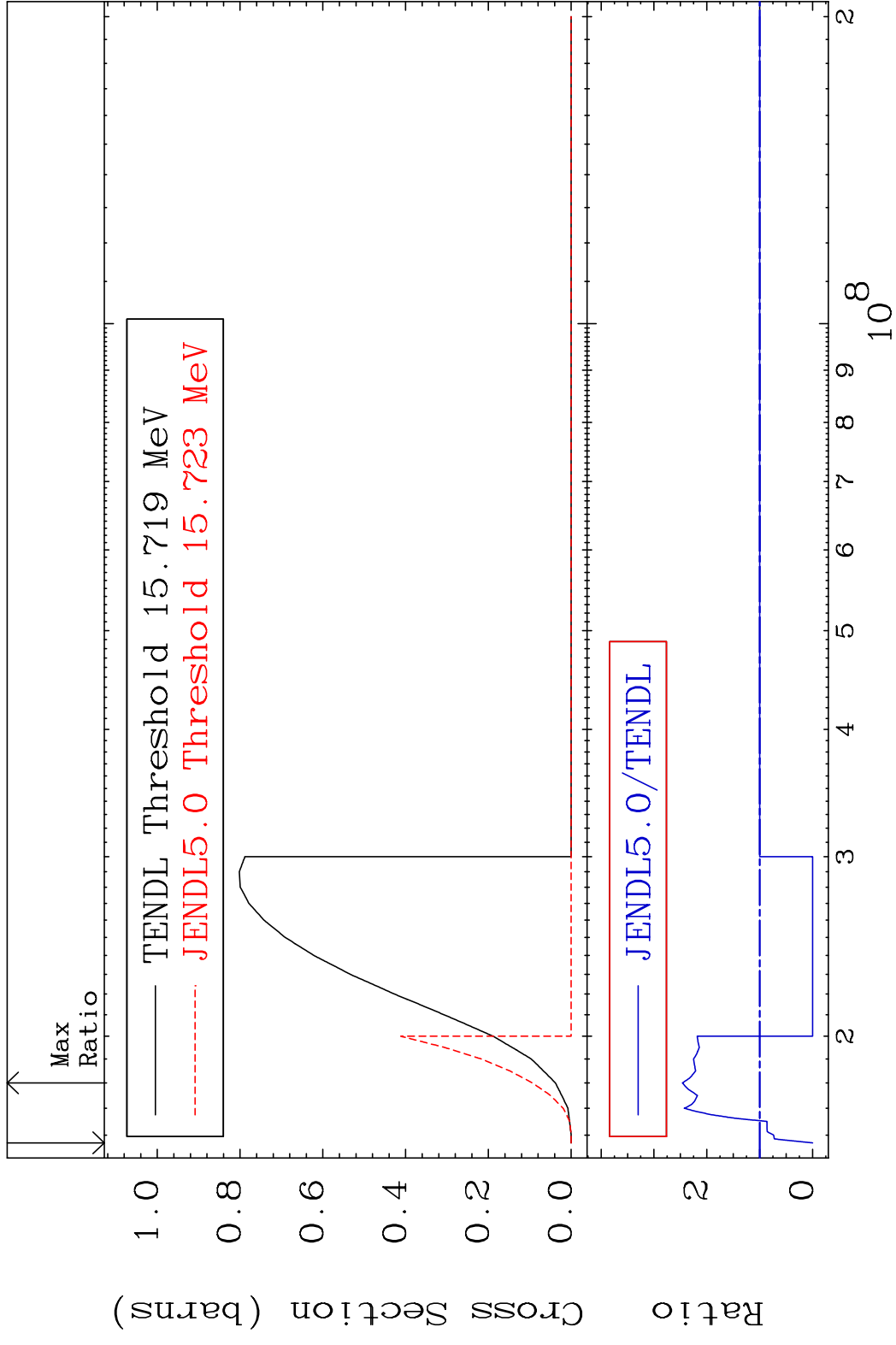
50-Sn-120

MAT 5049 (n,2n) 50-Sn-120
 Cross Section -100.0 To 48.51 %

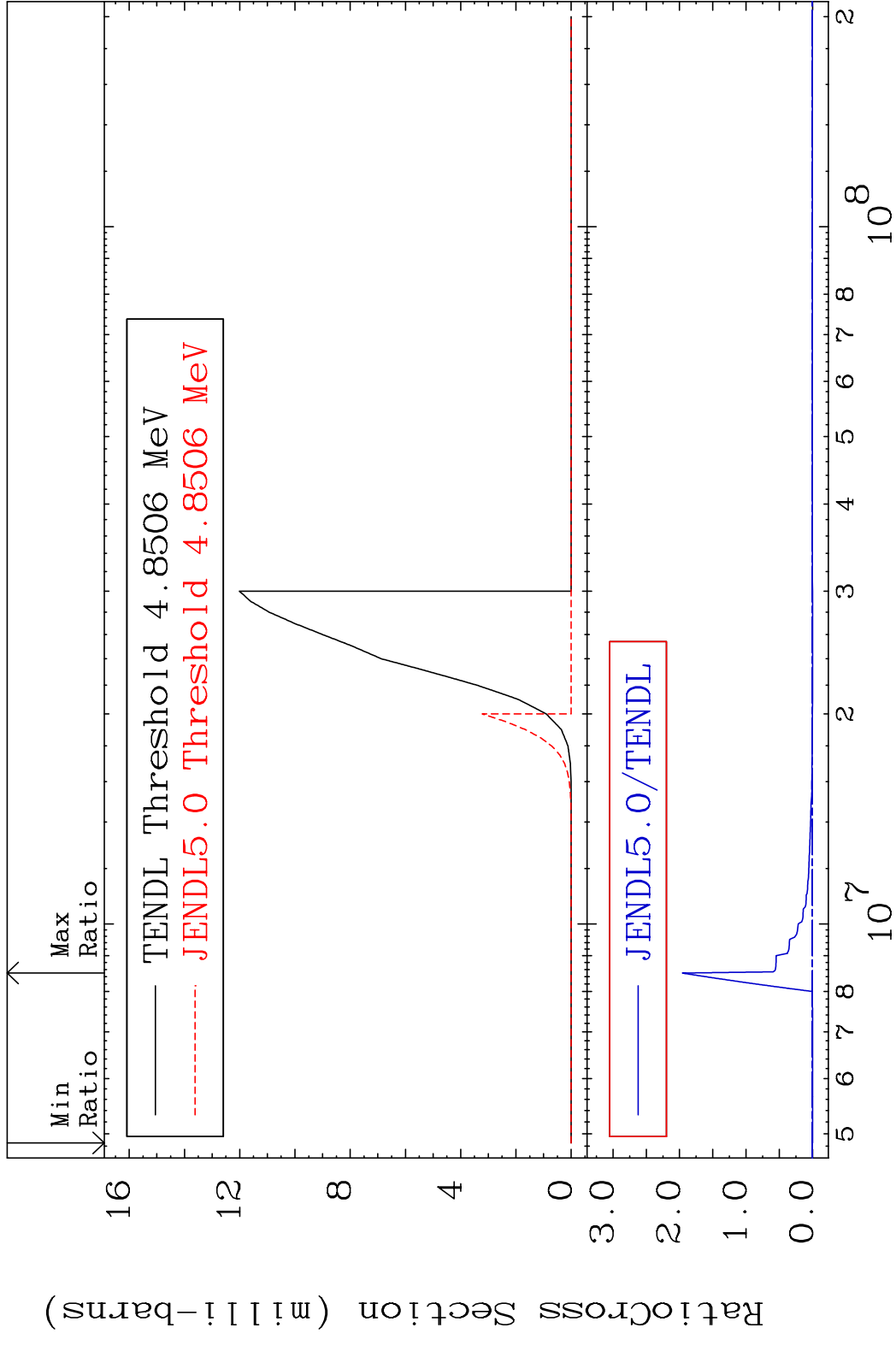


5 Incident Energy (eV) 50-Sn-120

MAT 5049 (n,3n) 50-Sn-120
 Cross Section -100.0 To 146.3 %

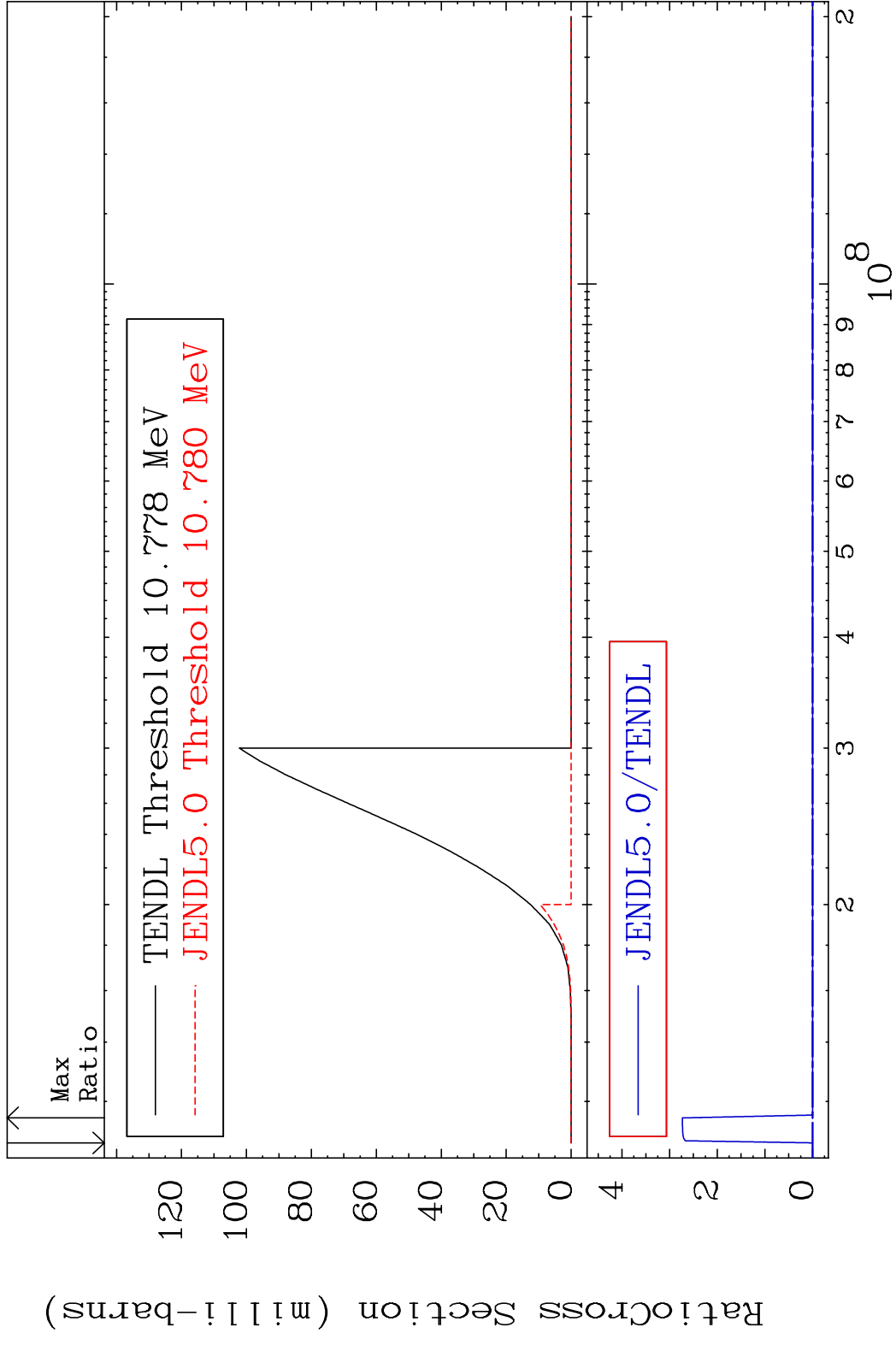


MAT 5049 (n, n') α 50-Sn-120
 Cross Section -100.0 To 9999. %

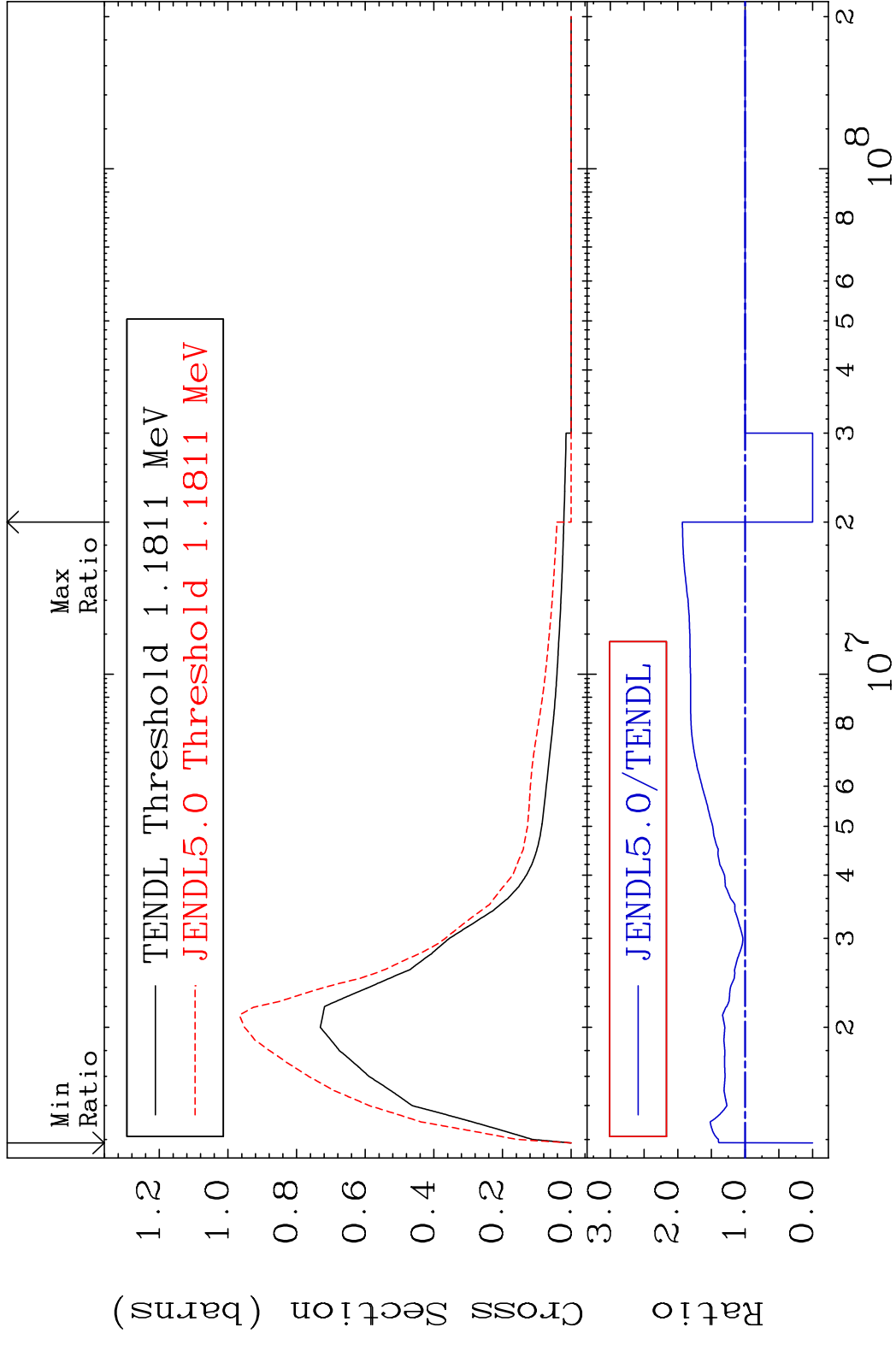


7 Incident Energy (eV) 50-Sn-120

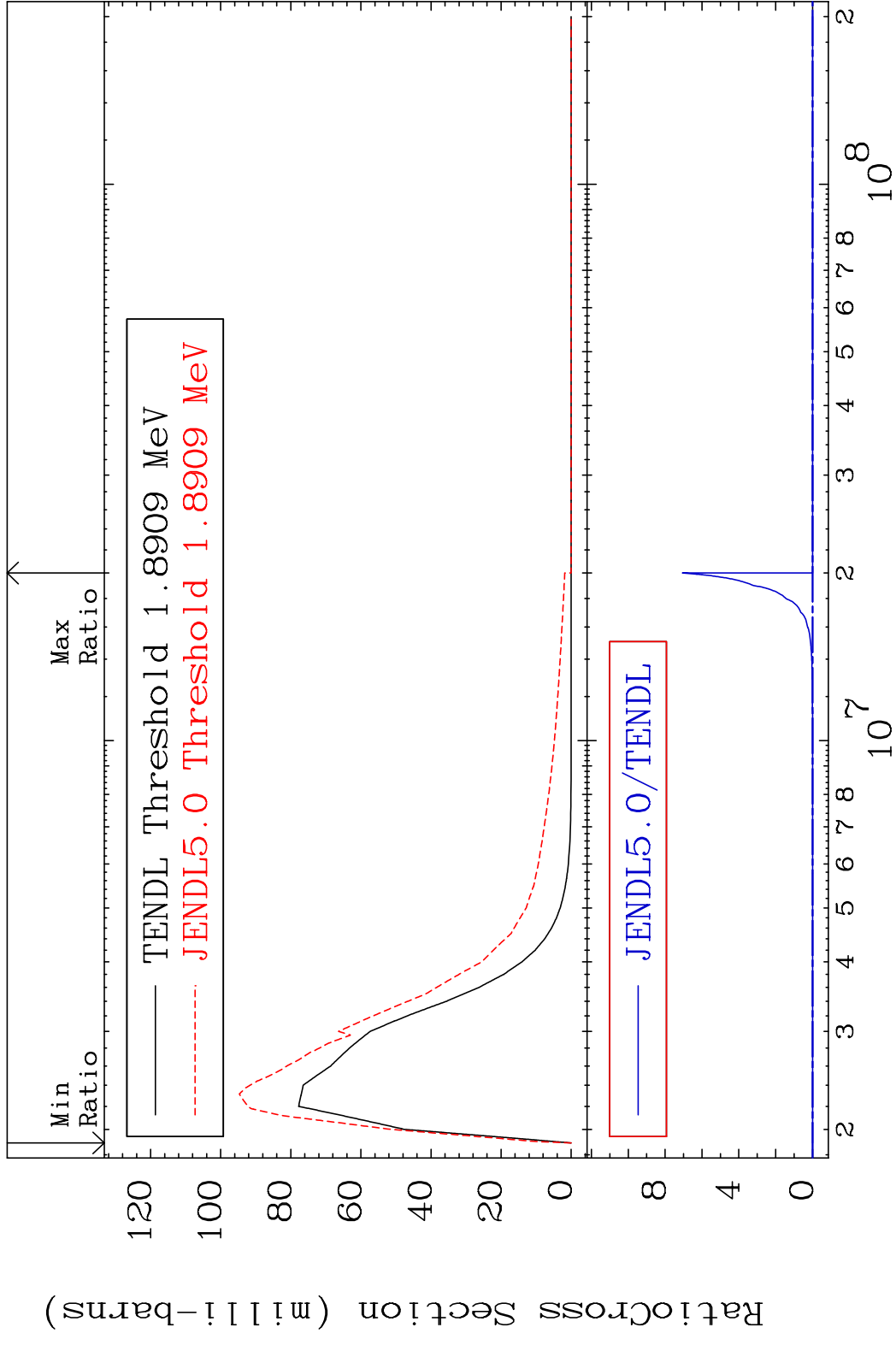
MAT 5049 (n, n') p 50-Sn-120
 Cross Section -100.0 To 9999. %



MAT 5049 MT= 51 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 93.19 %

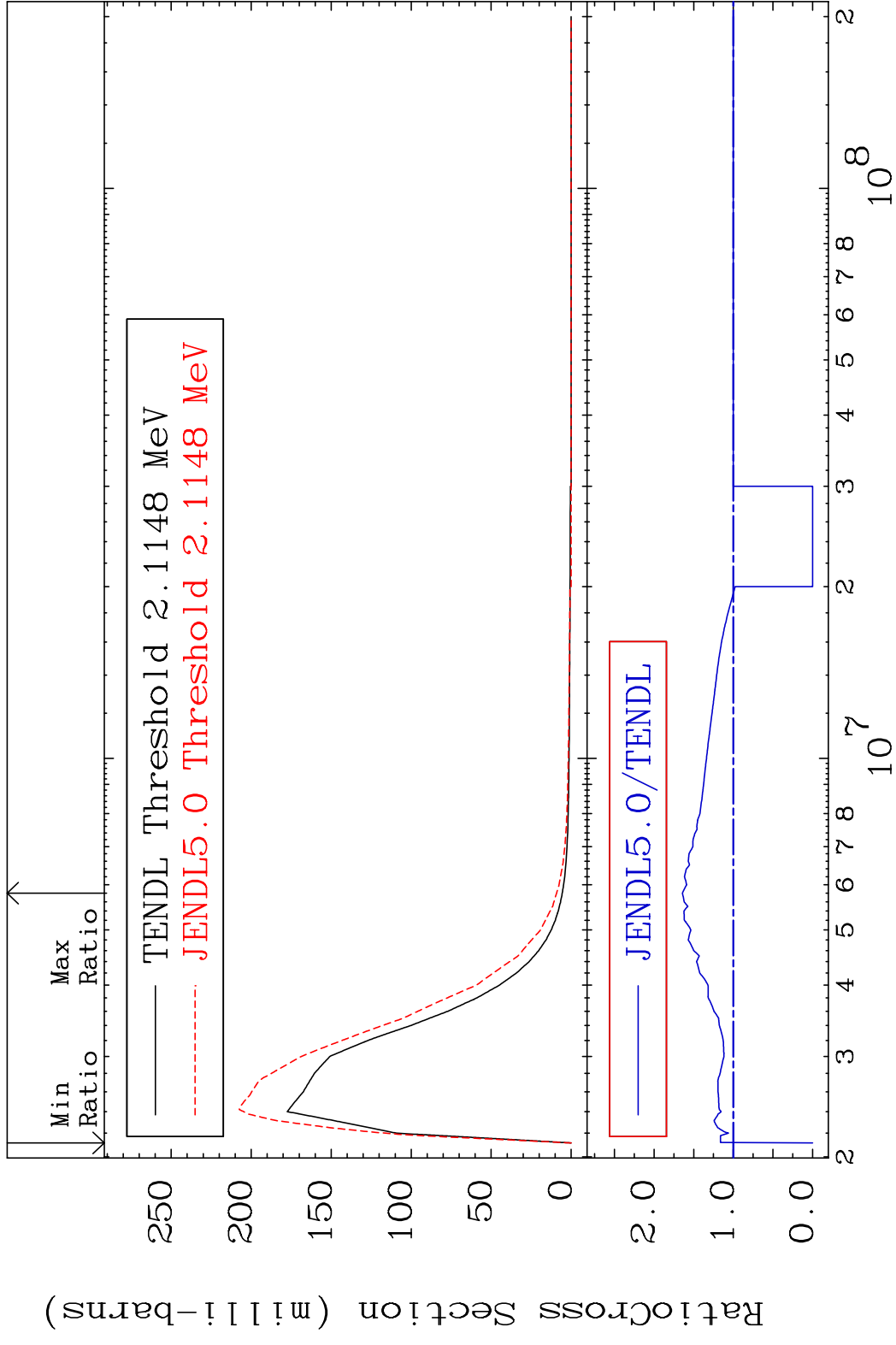


MAT 5049 MT= 52 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %

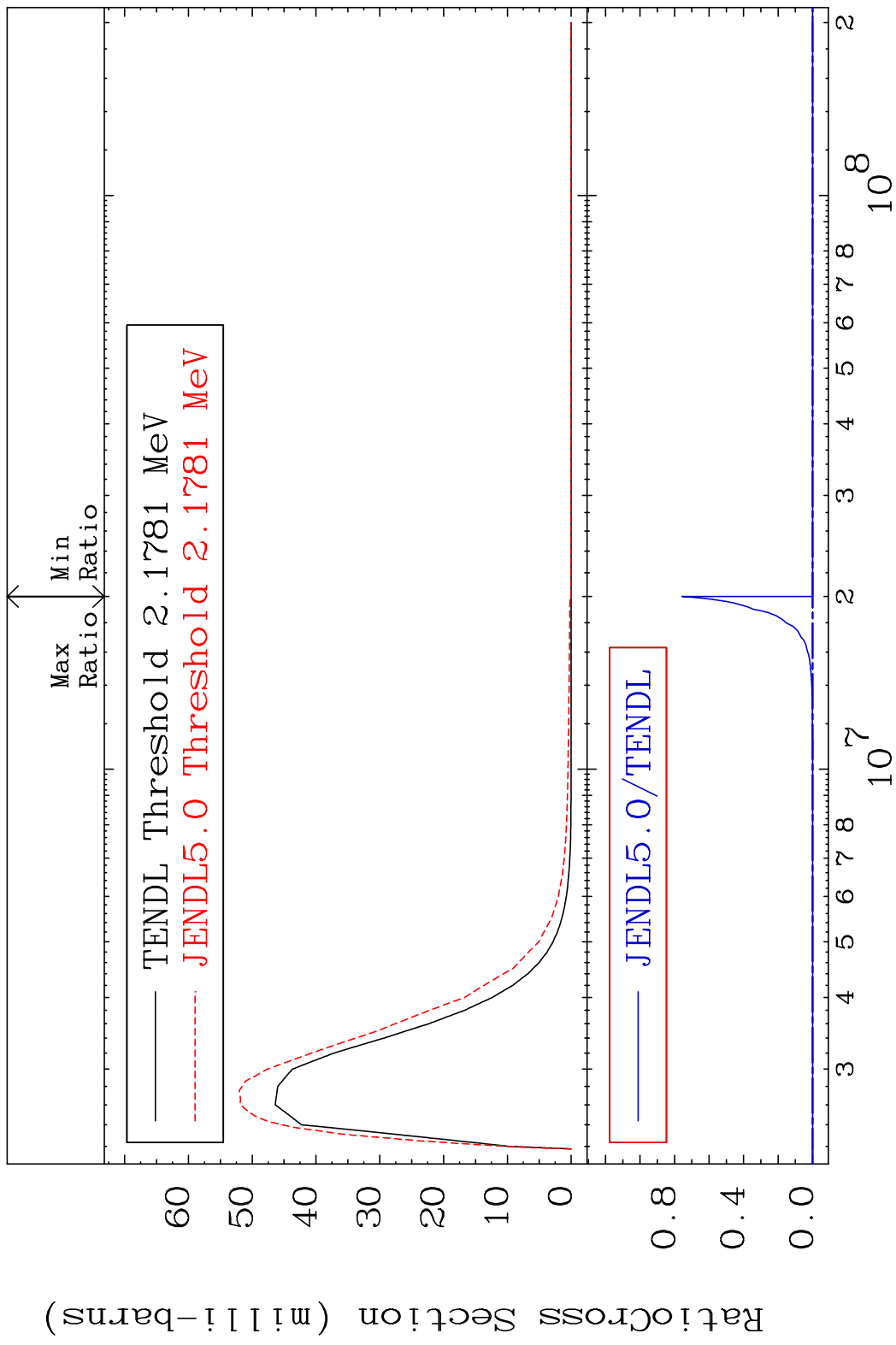


10 Incident Energy (eV) 50-Sn-120

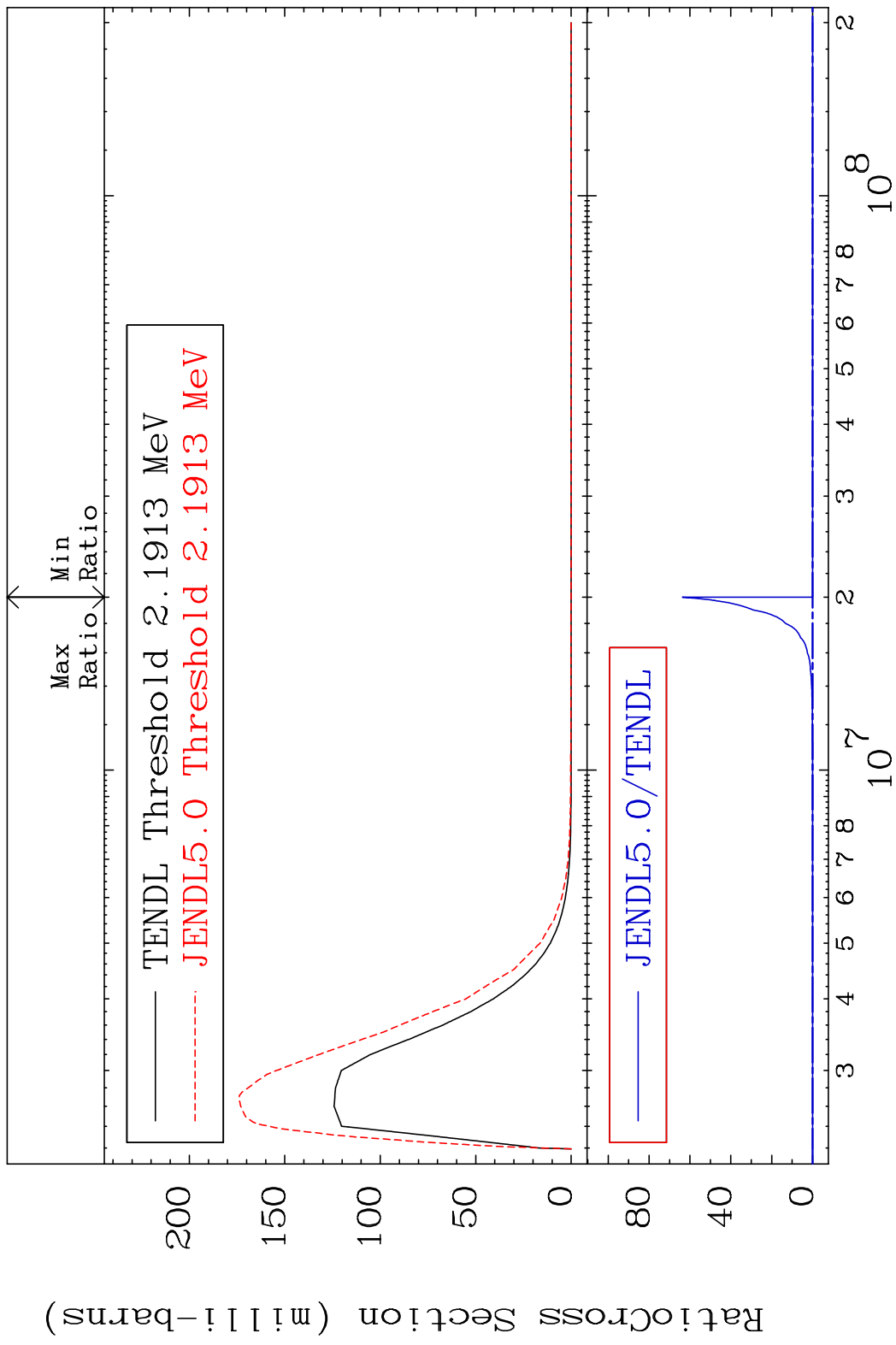
MAT 5049 MT= 53 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 64.30 %



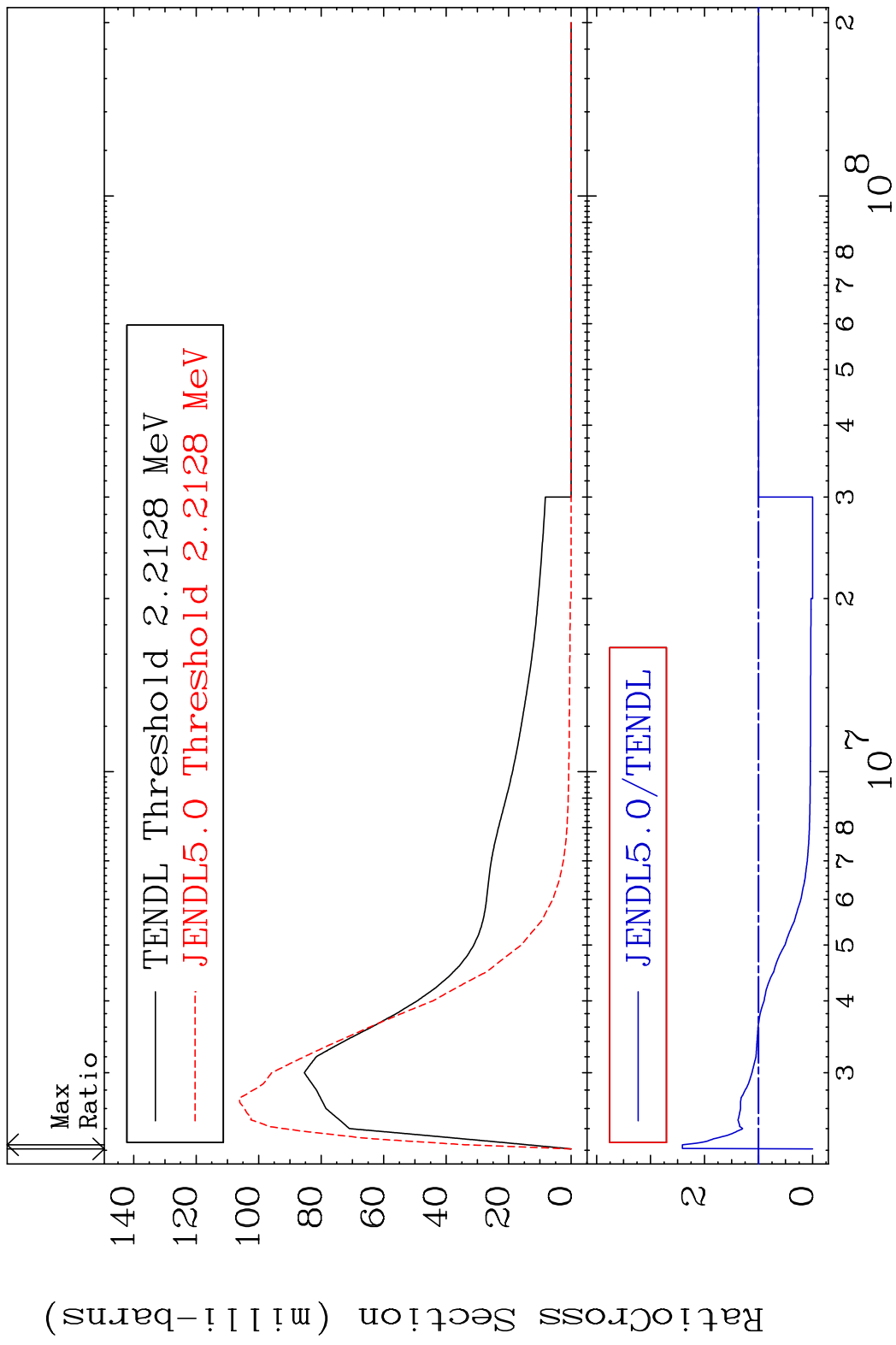
MAT 5049 MT= 54 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



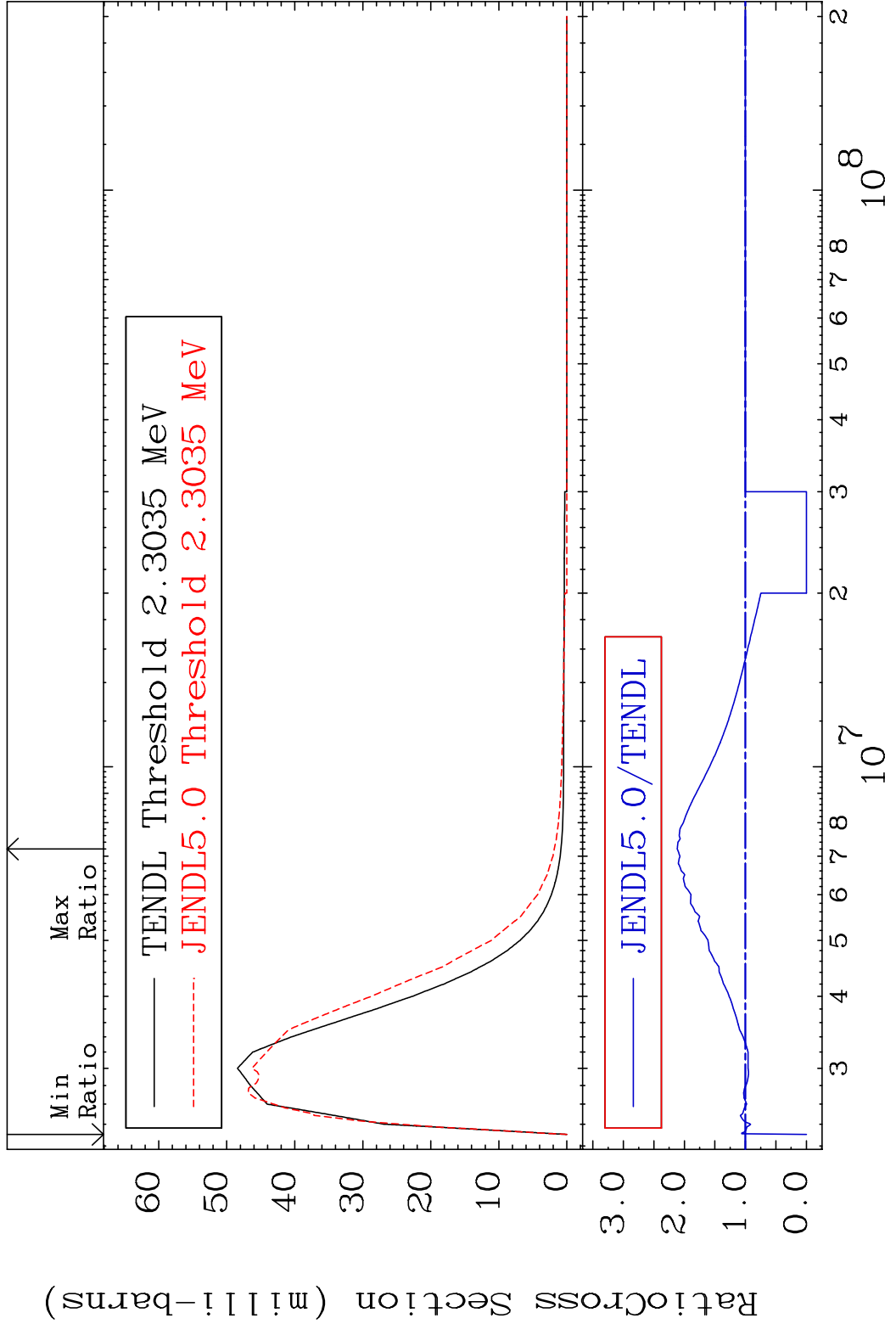
MAT 5049 MT= 55 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



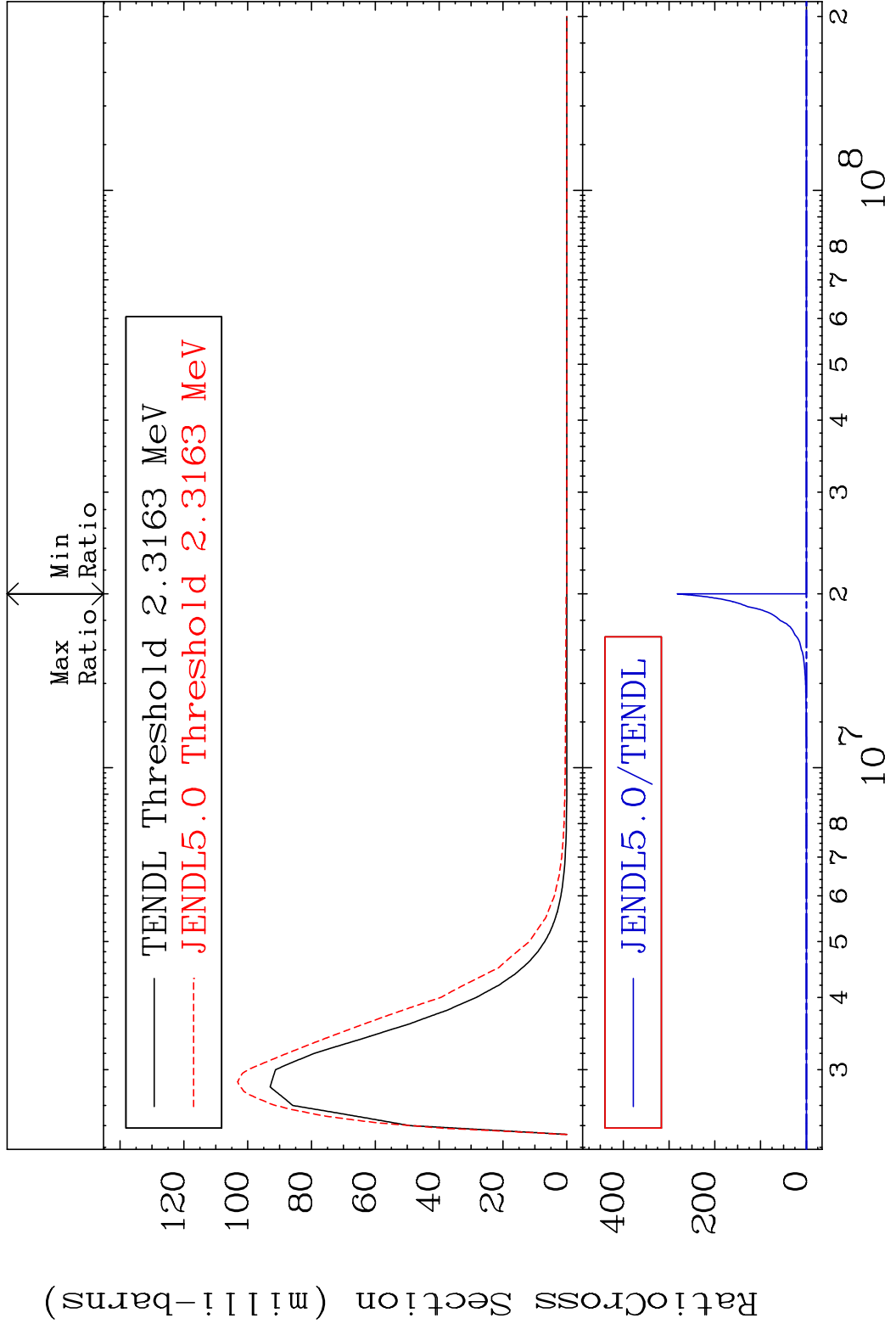
MAT 5049 MT= 56 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 141.1 %



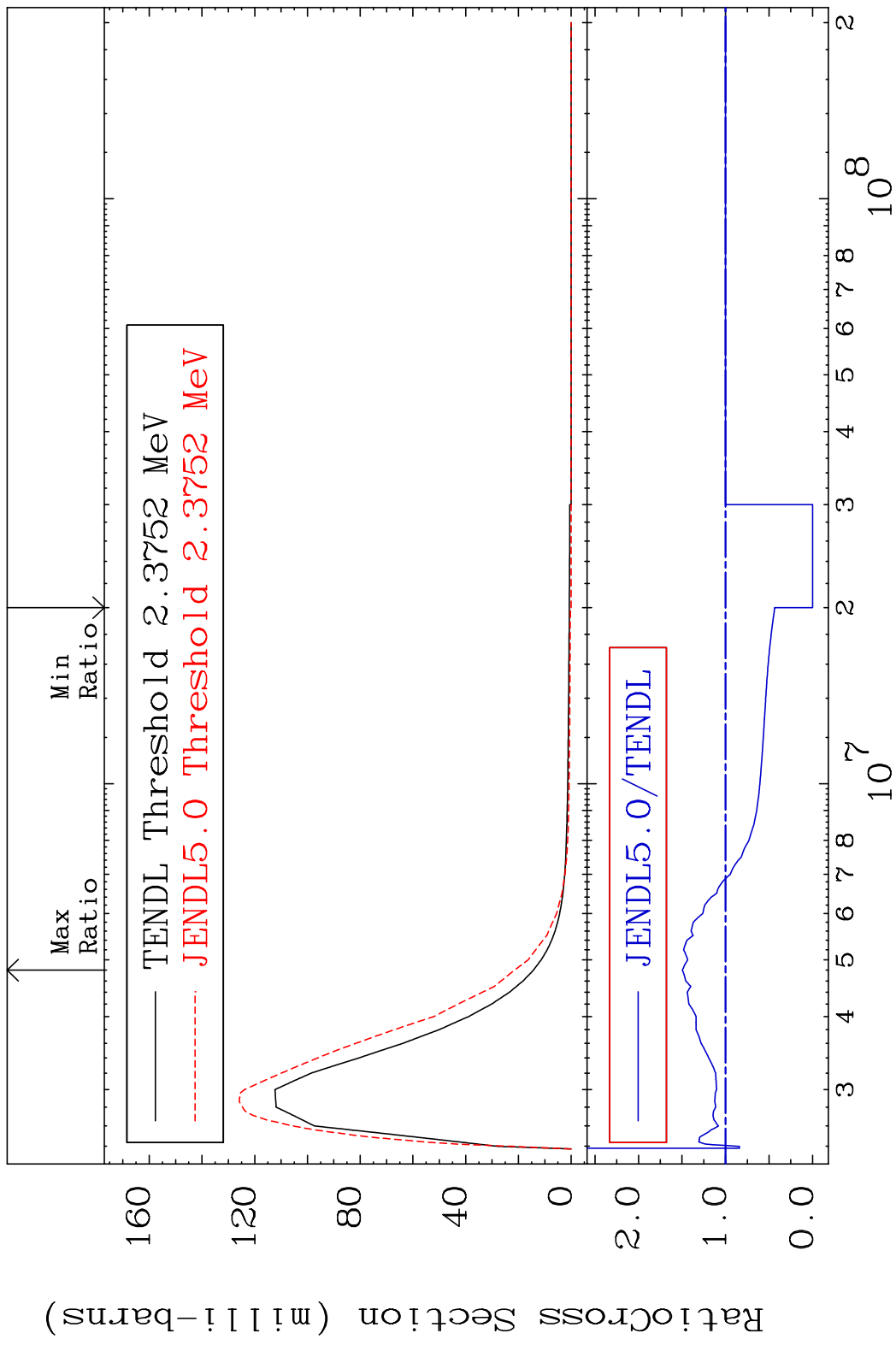
MAT 5049 MT= 57 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 111.8 %



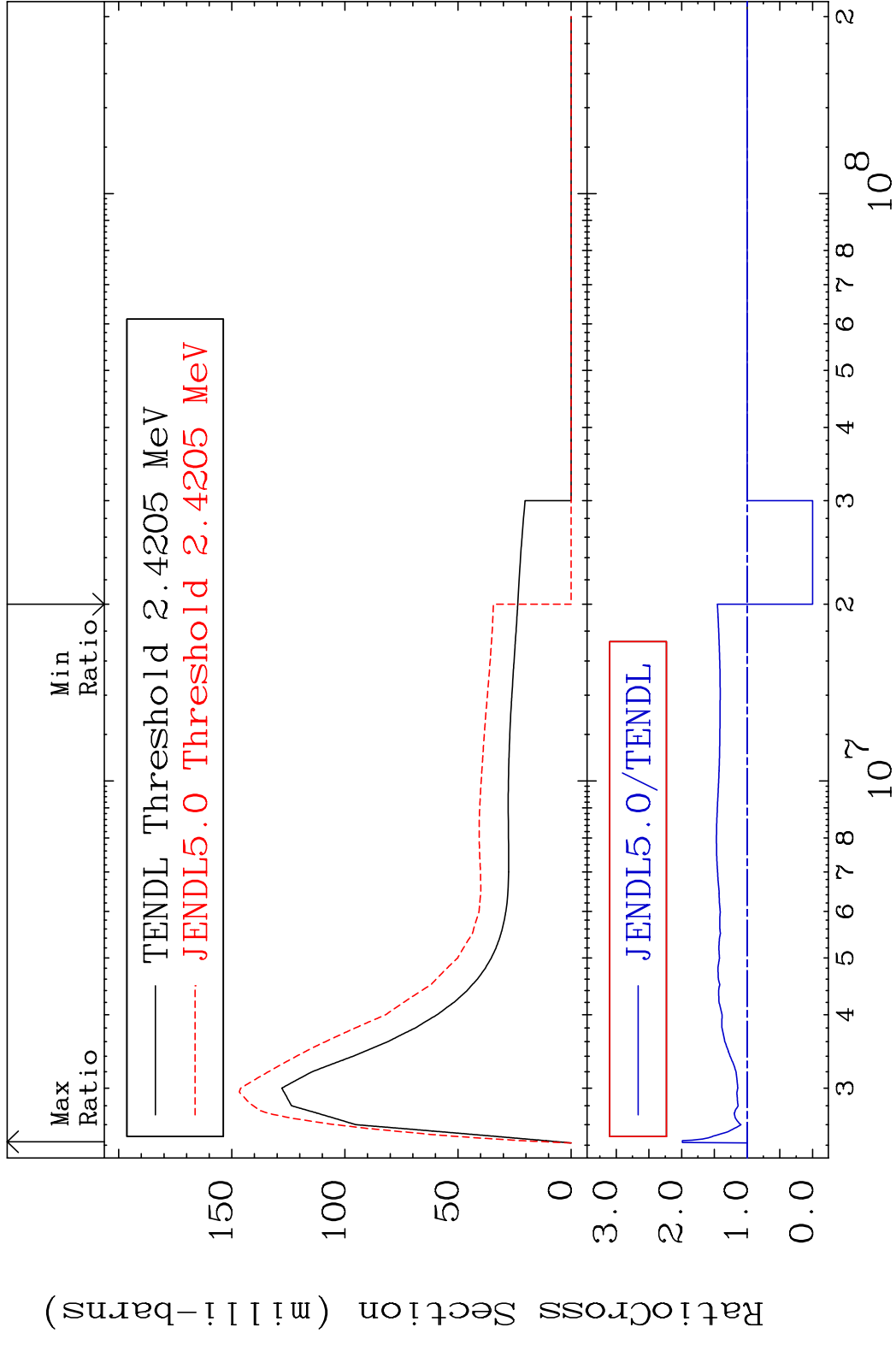
MAT 5049 MT= 58 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



MAT 5049 MT= 59 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 49.64 %

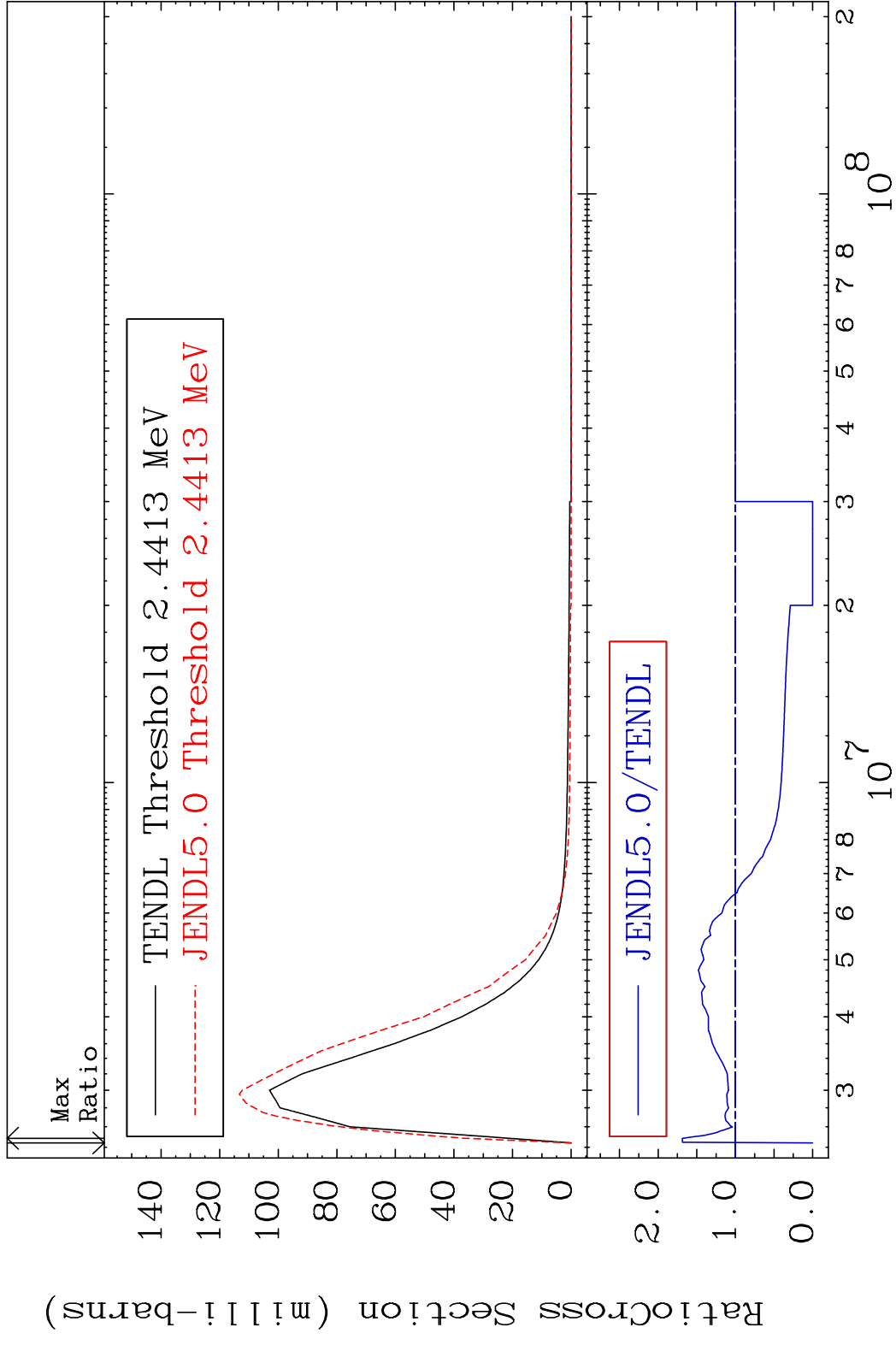


MAT 5049 MT= 60 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 98.88 %

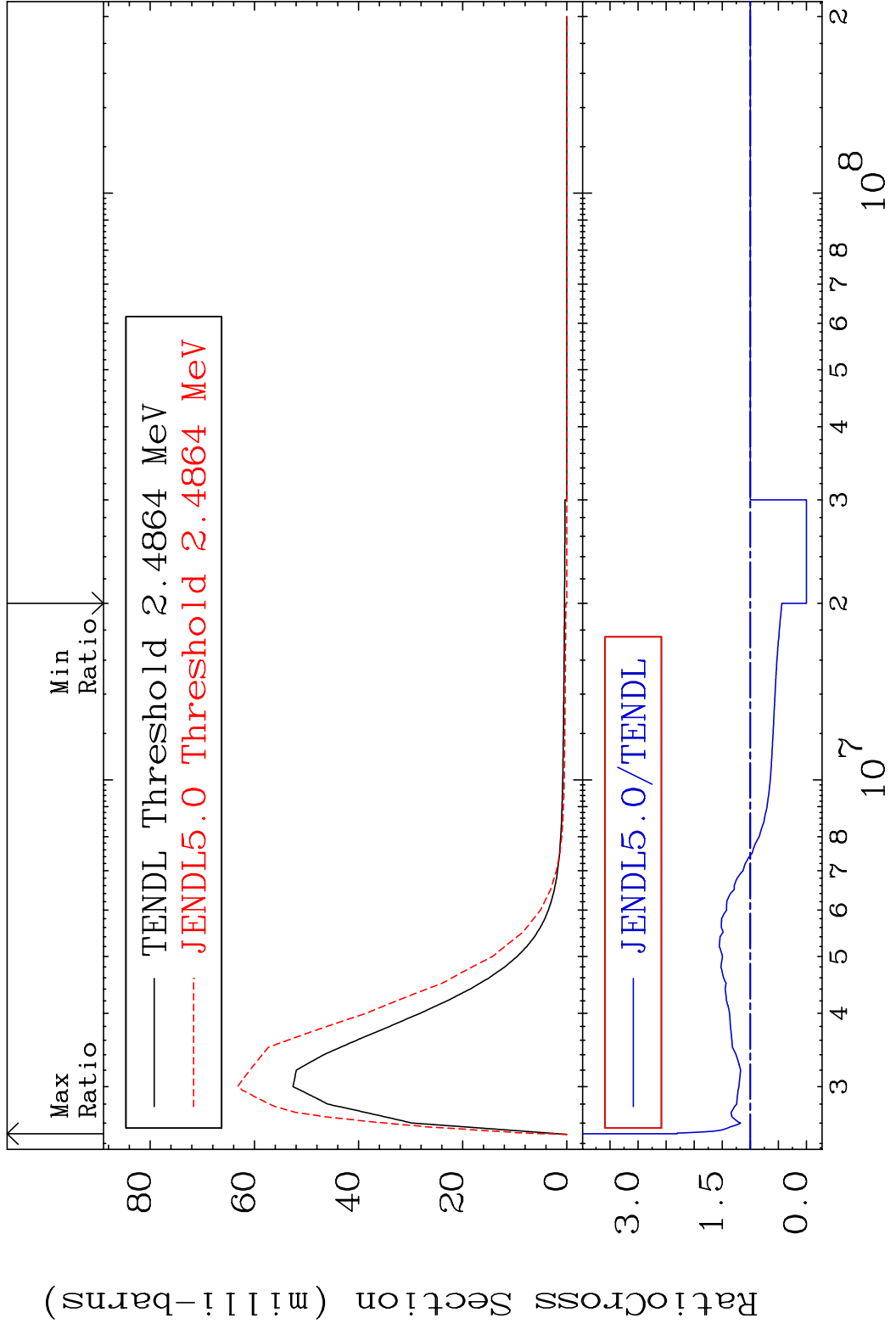


18 Incident Energy (eV) 50-Sn-120

MAT 5049 MT= 61 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 68.66 %

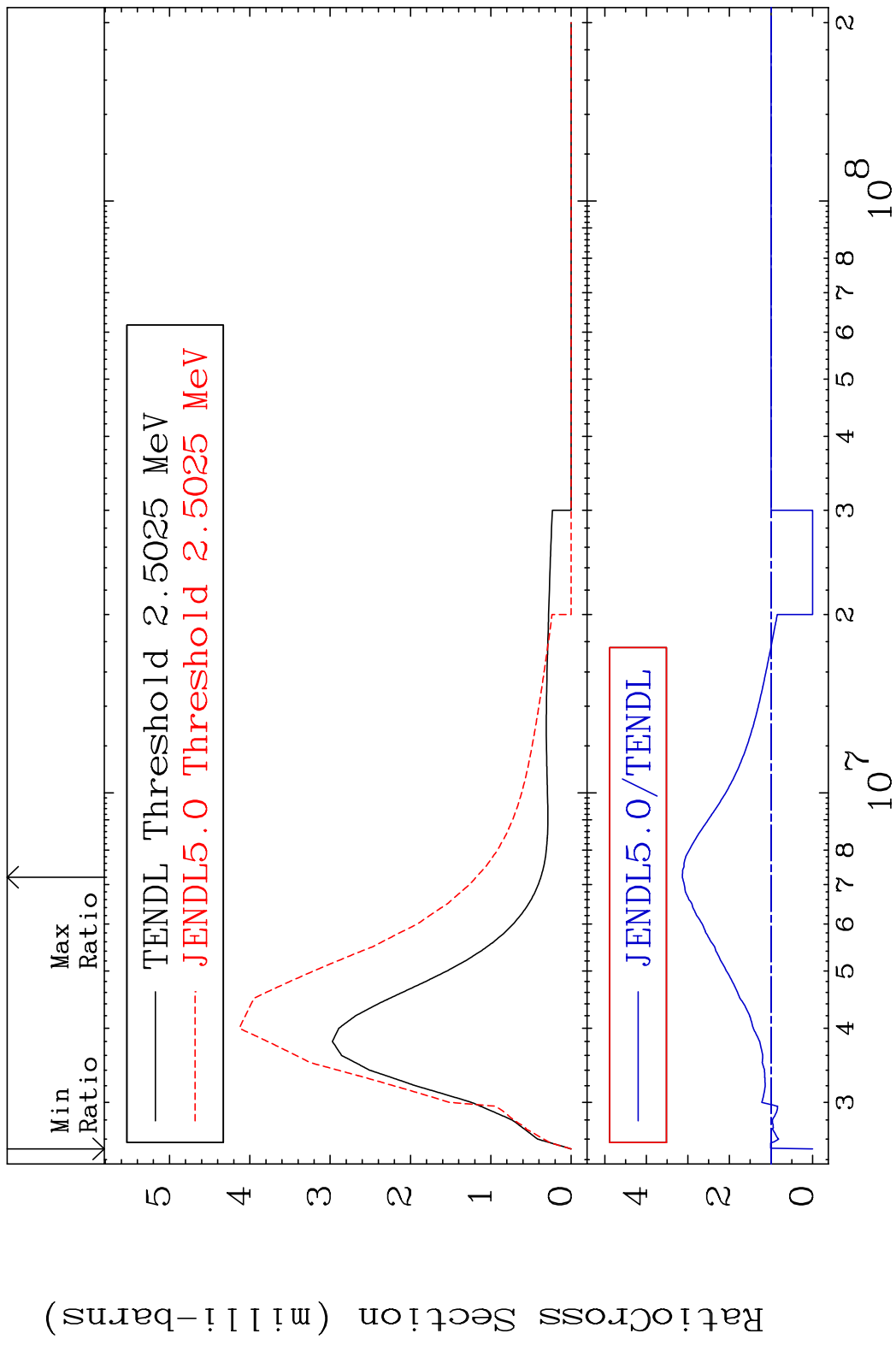


MAT 5049 MT= 62 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 130.2 %

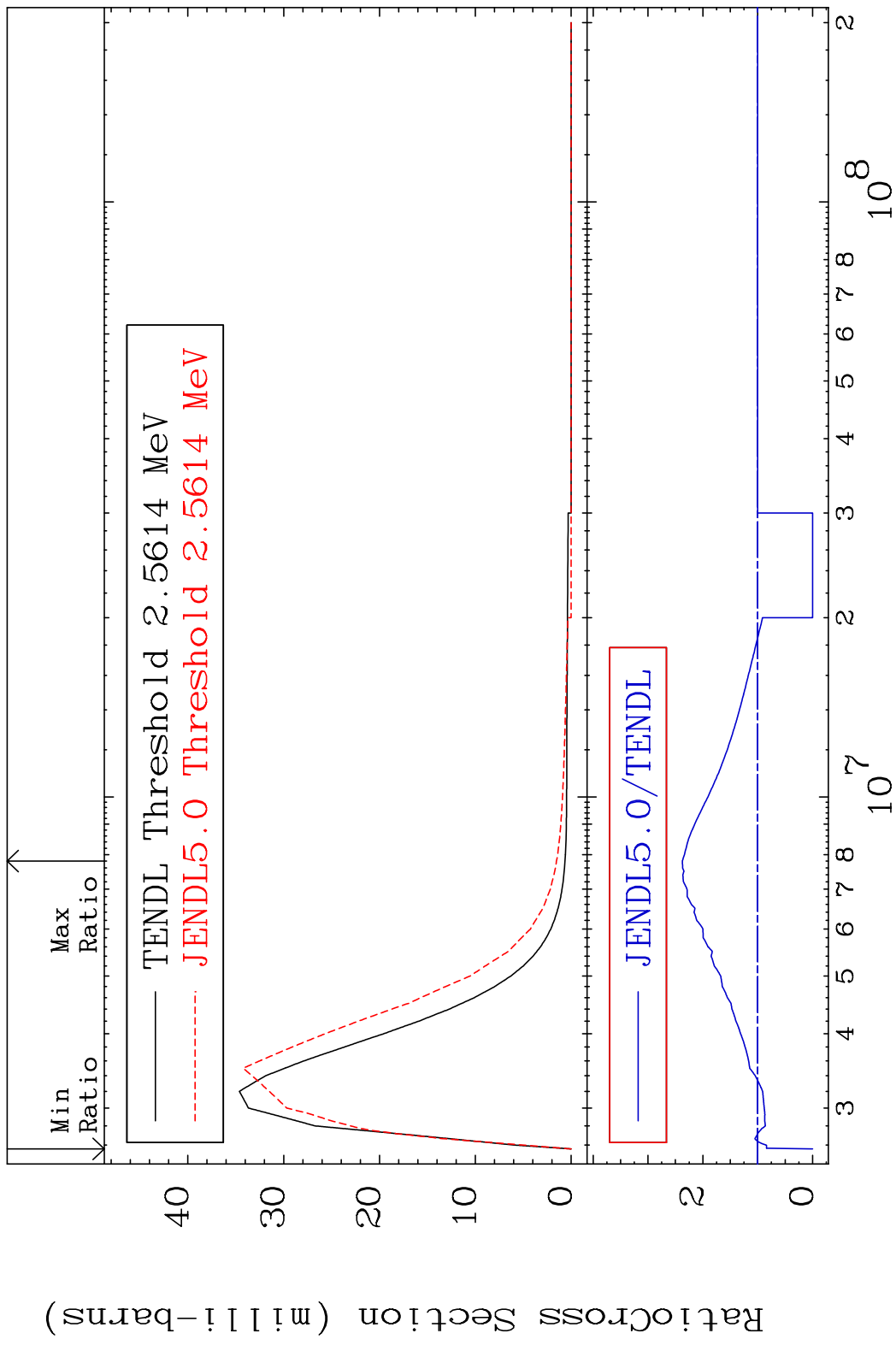


20 50-Sn-120

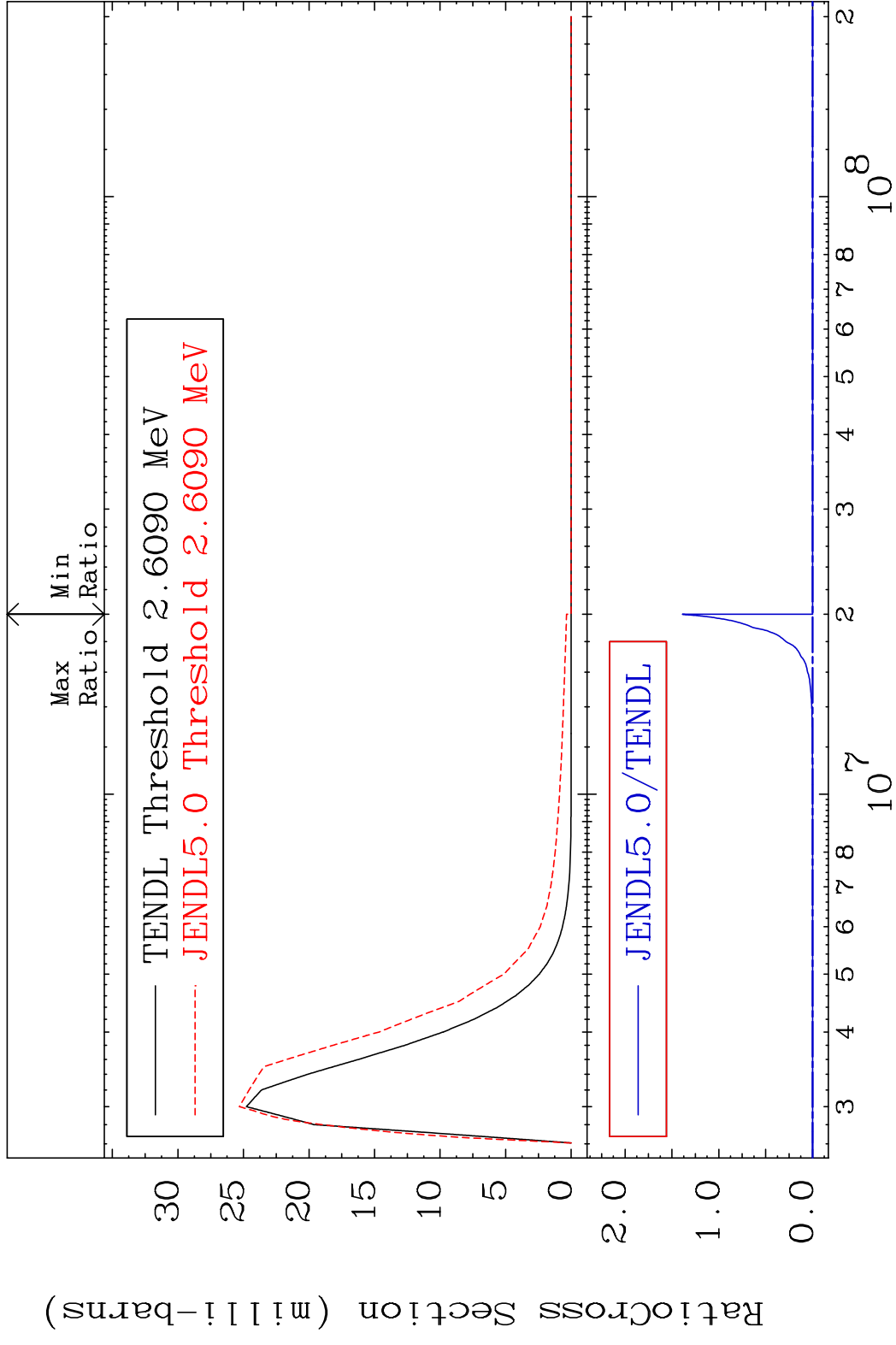
MAT 5049 MT= 63 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 213.4 %



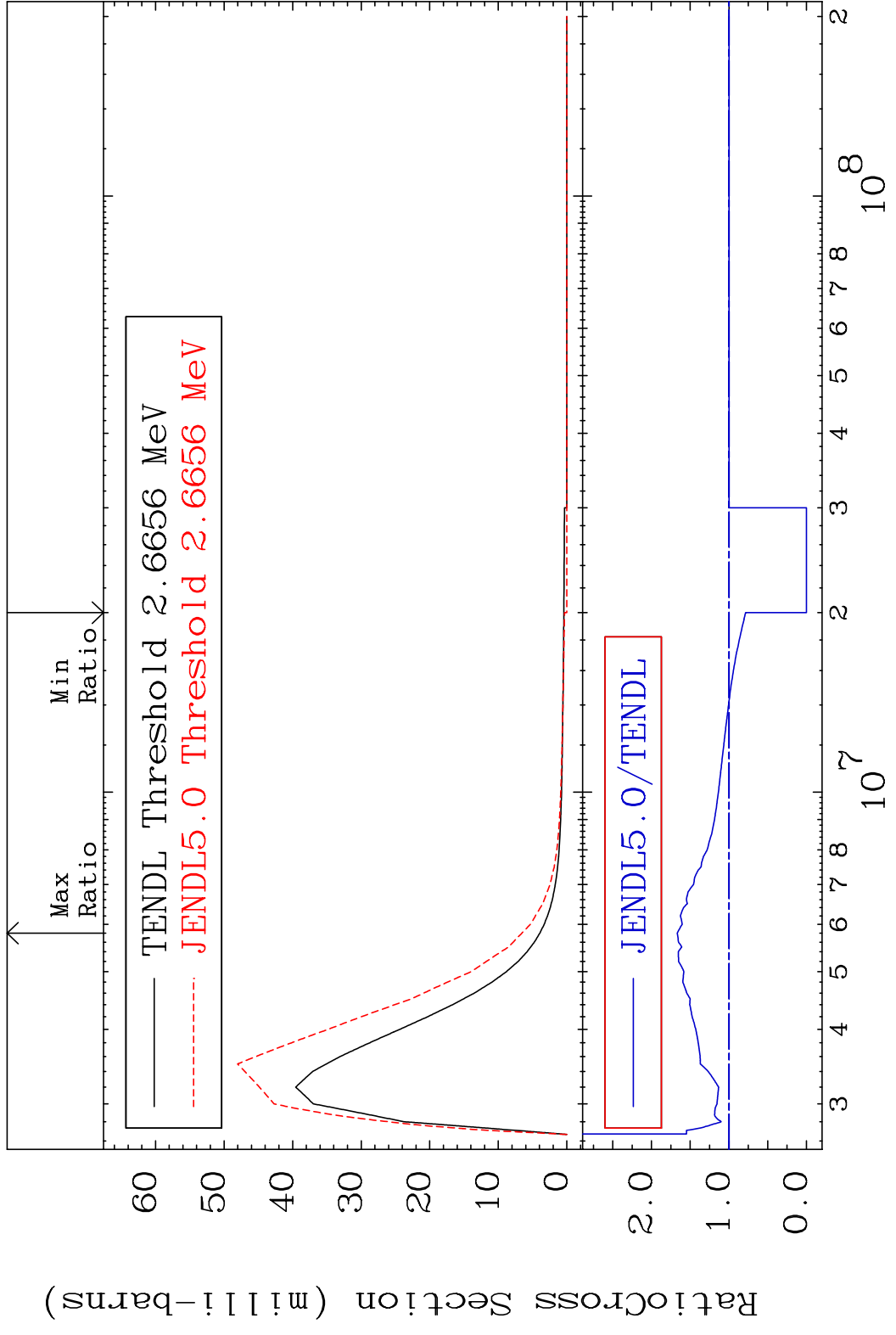
MAT 5049 MT= 64 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 137.3 %



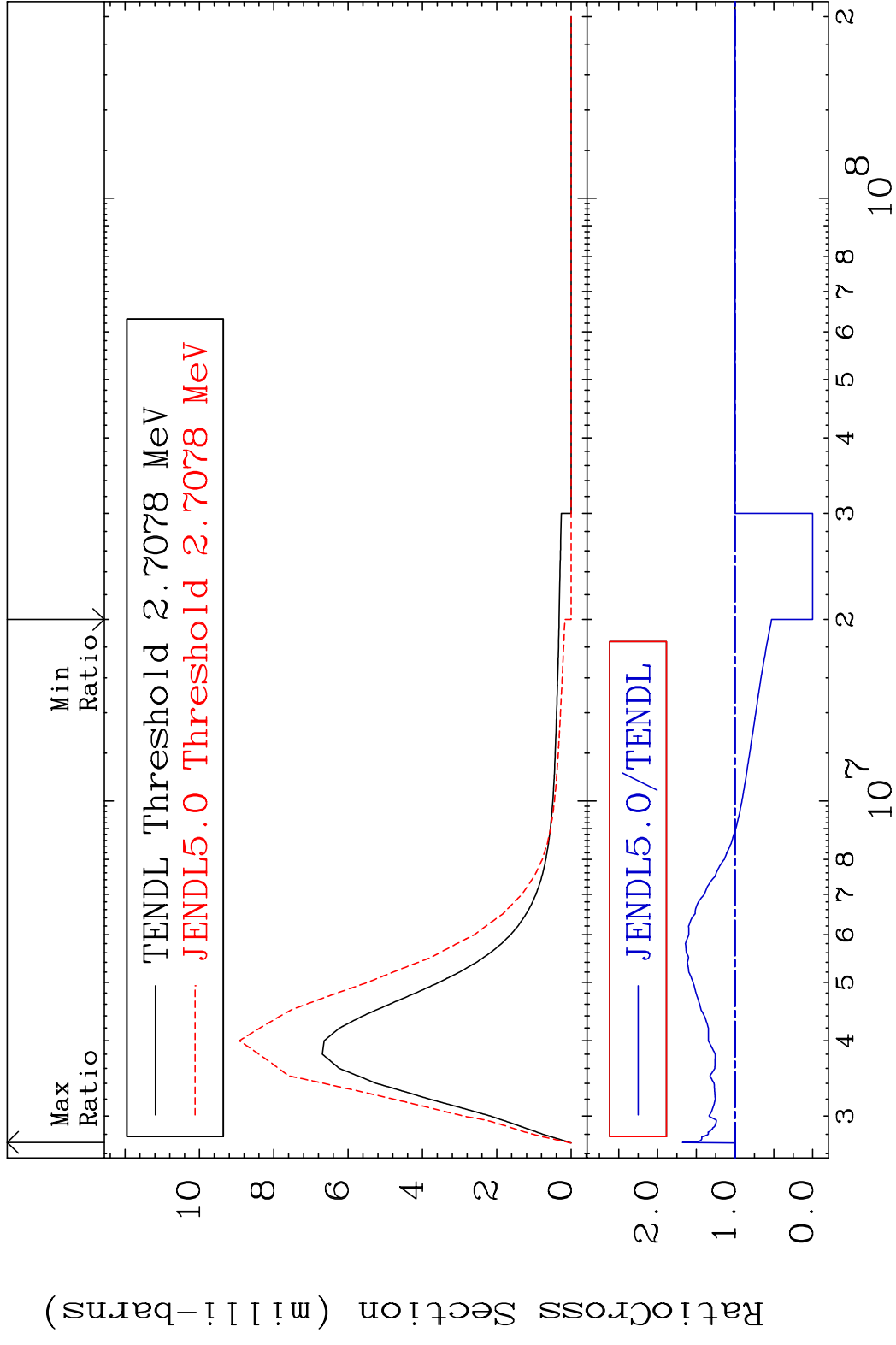
MAT 5049 MT= 65 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



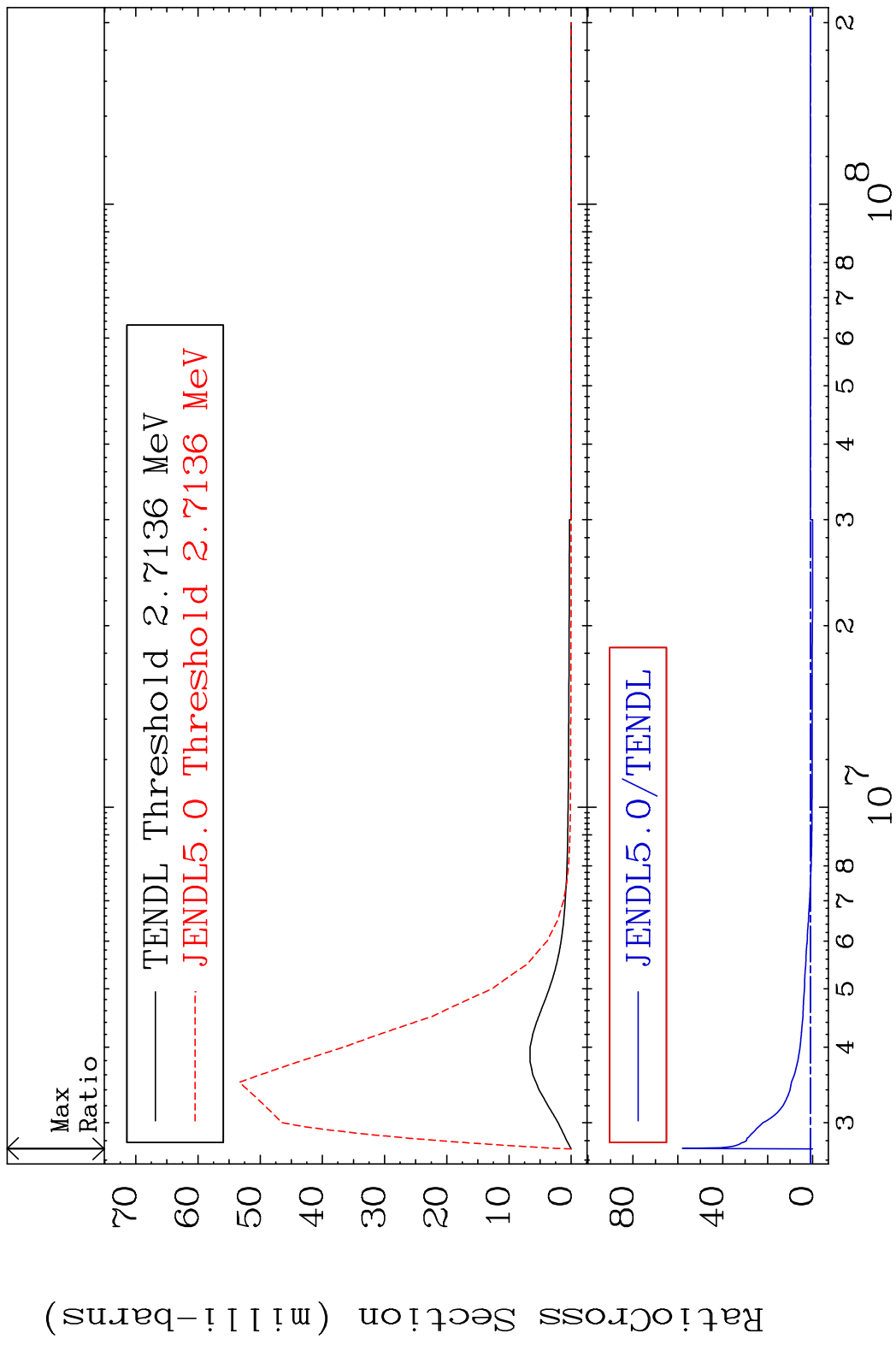
MAT 5049 MT= 66 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 66.84 %



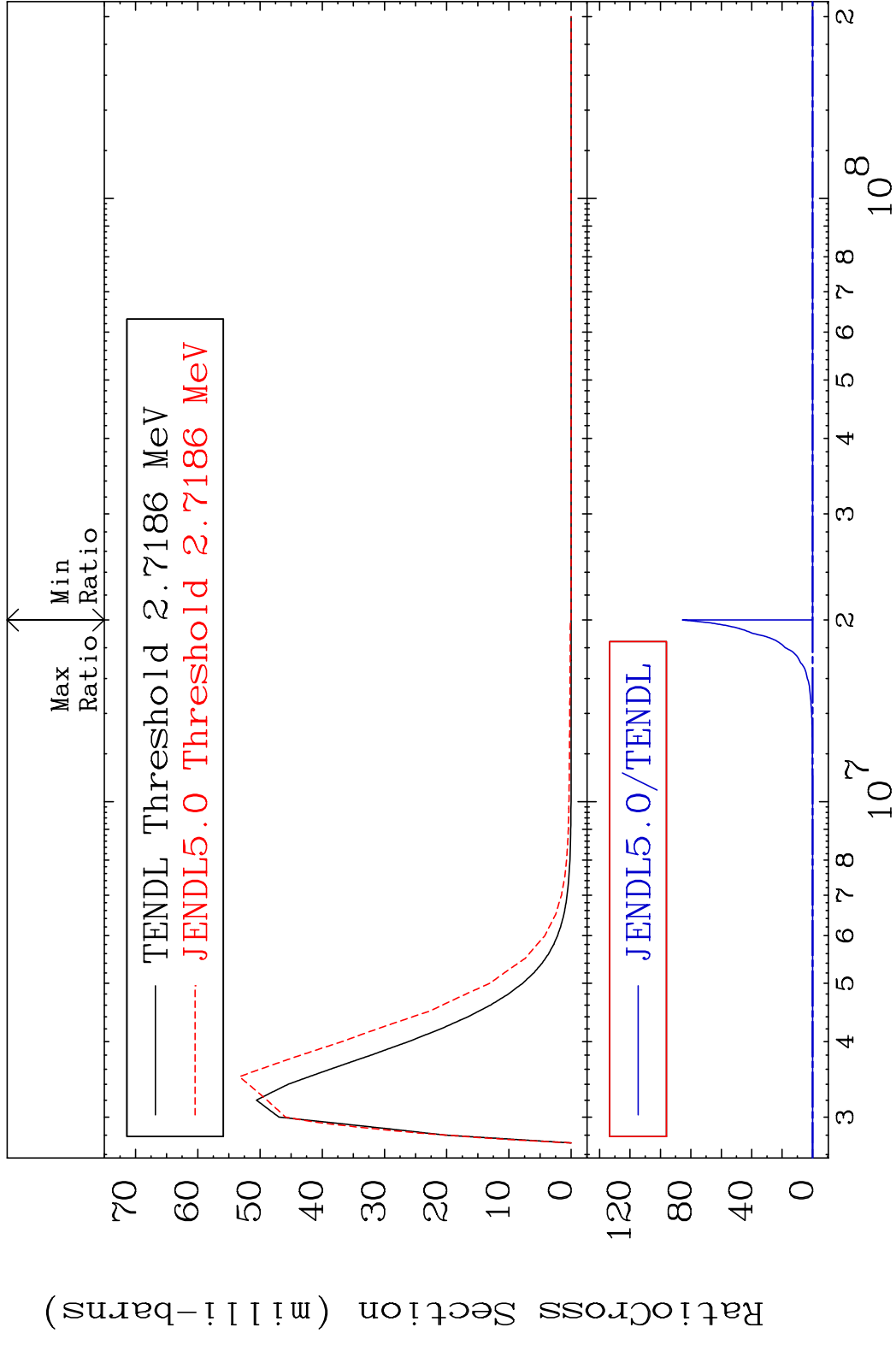
MAT 5049 MT= 67 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 67.93 %



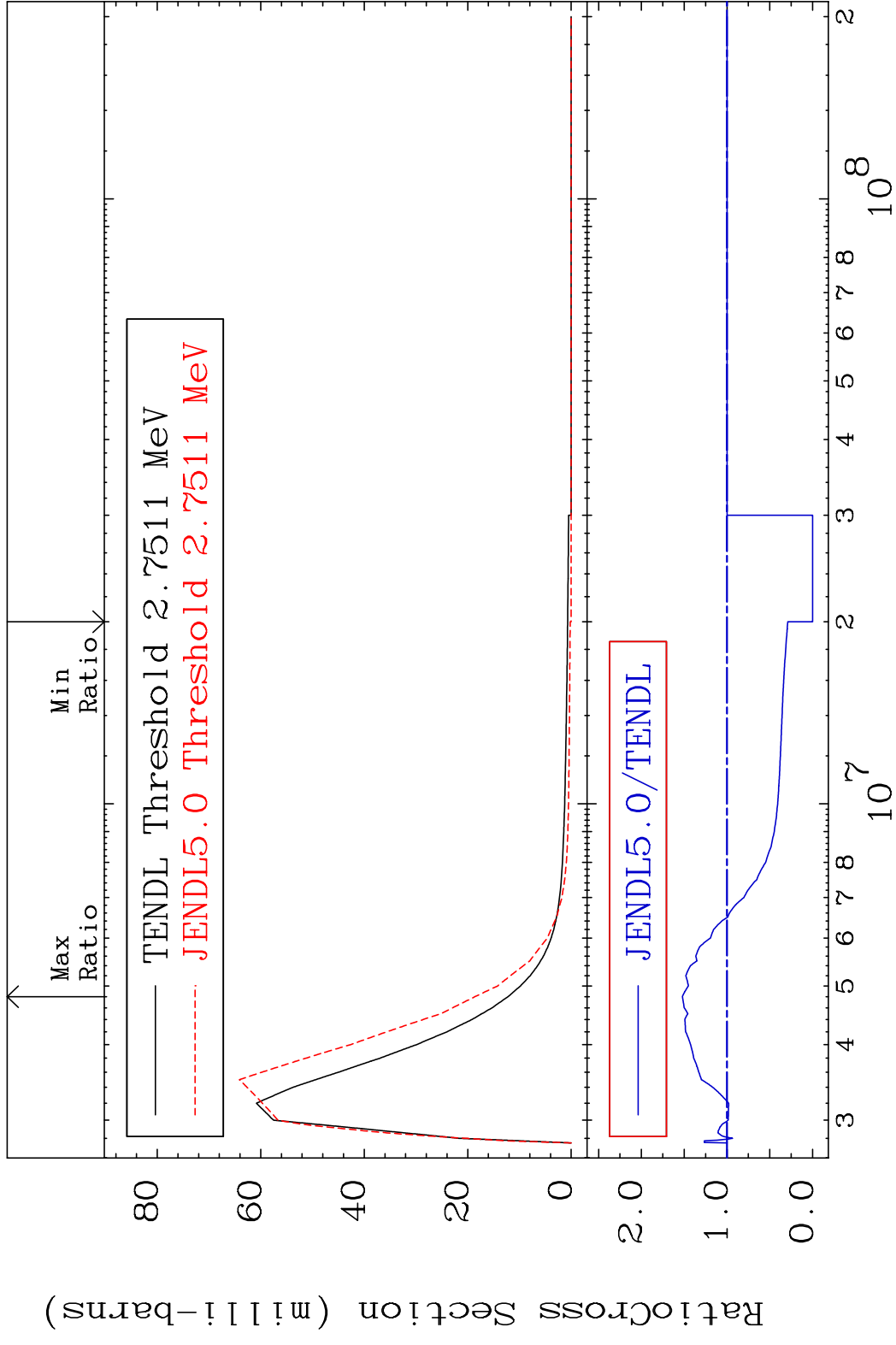
MAT 5049 MT= 68 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 5700. %



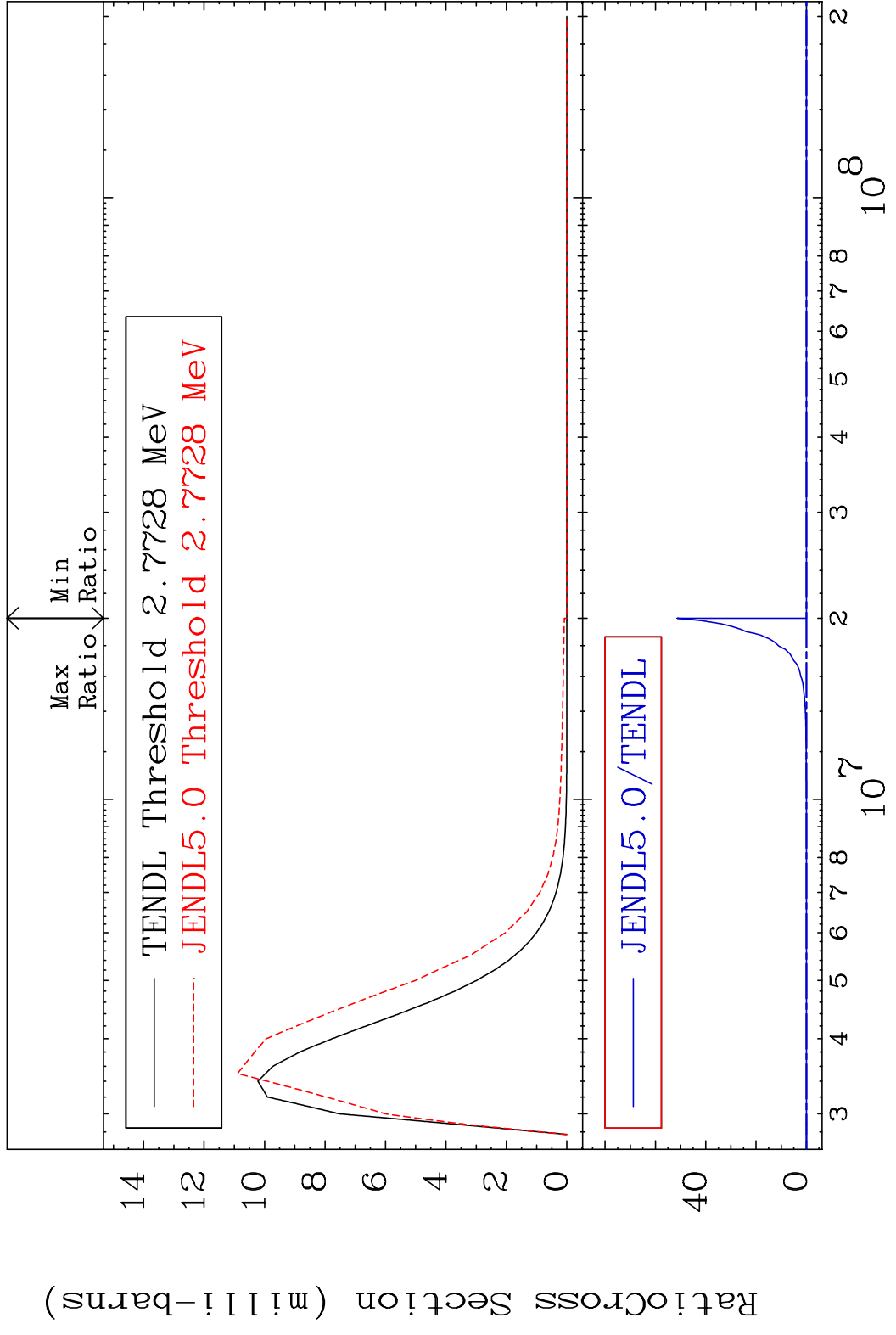
MAT 5049 MT= 69 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



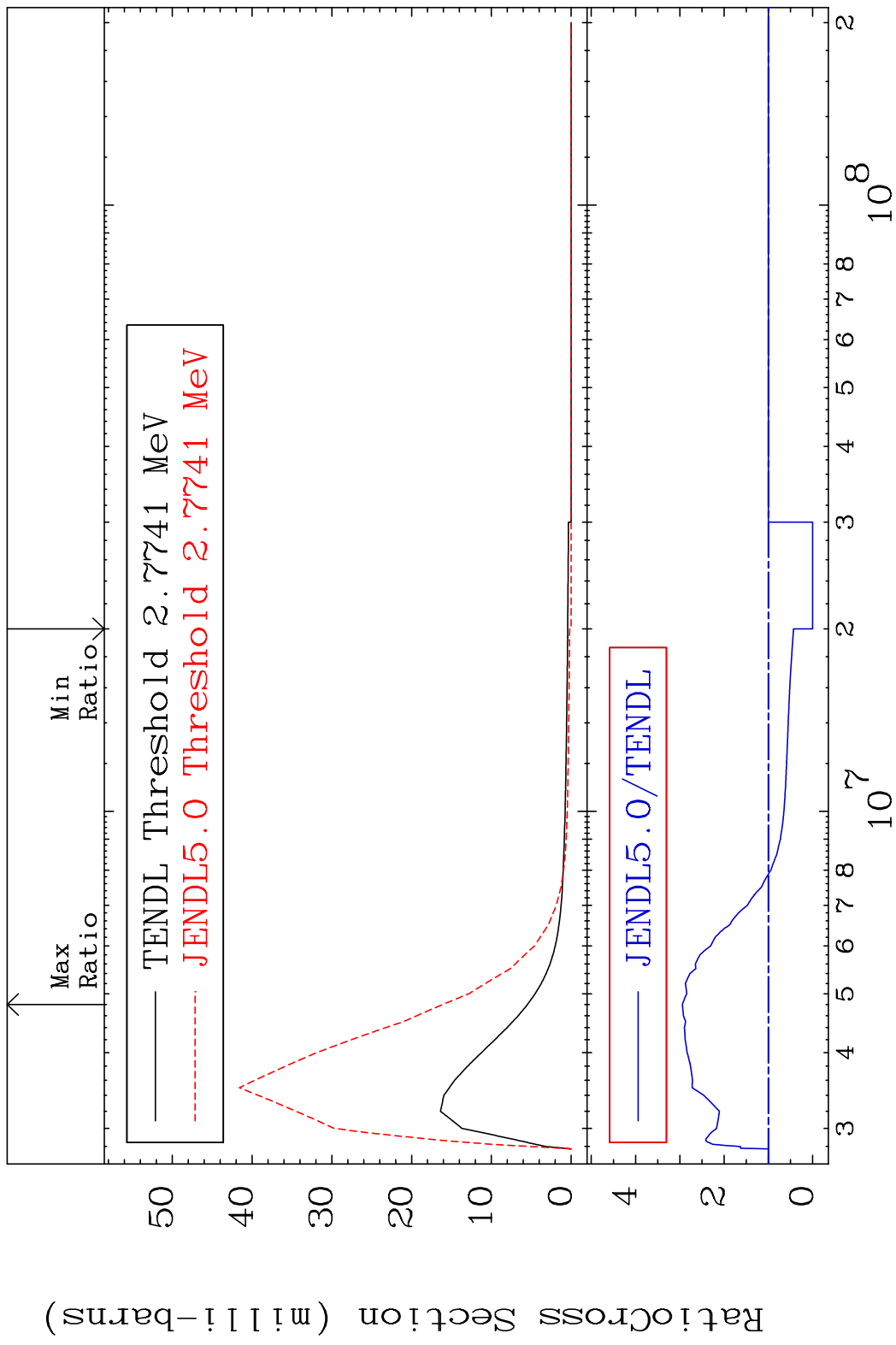
MAT 5049 MT= 70 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 52.15 %



MAT 5049 MT= 71 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



MAT 5049 MT= 72 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 194.2 %

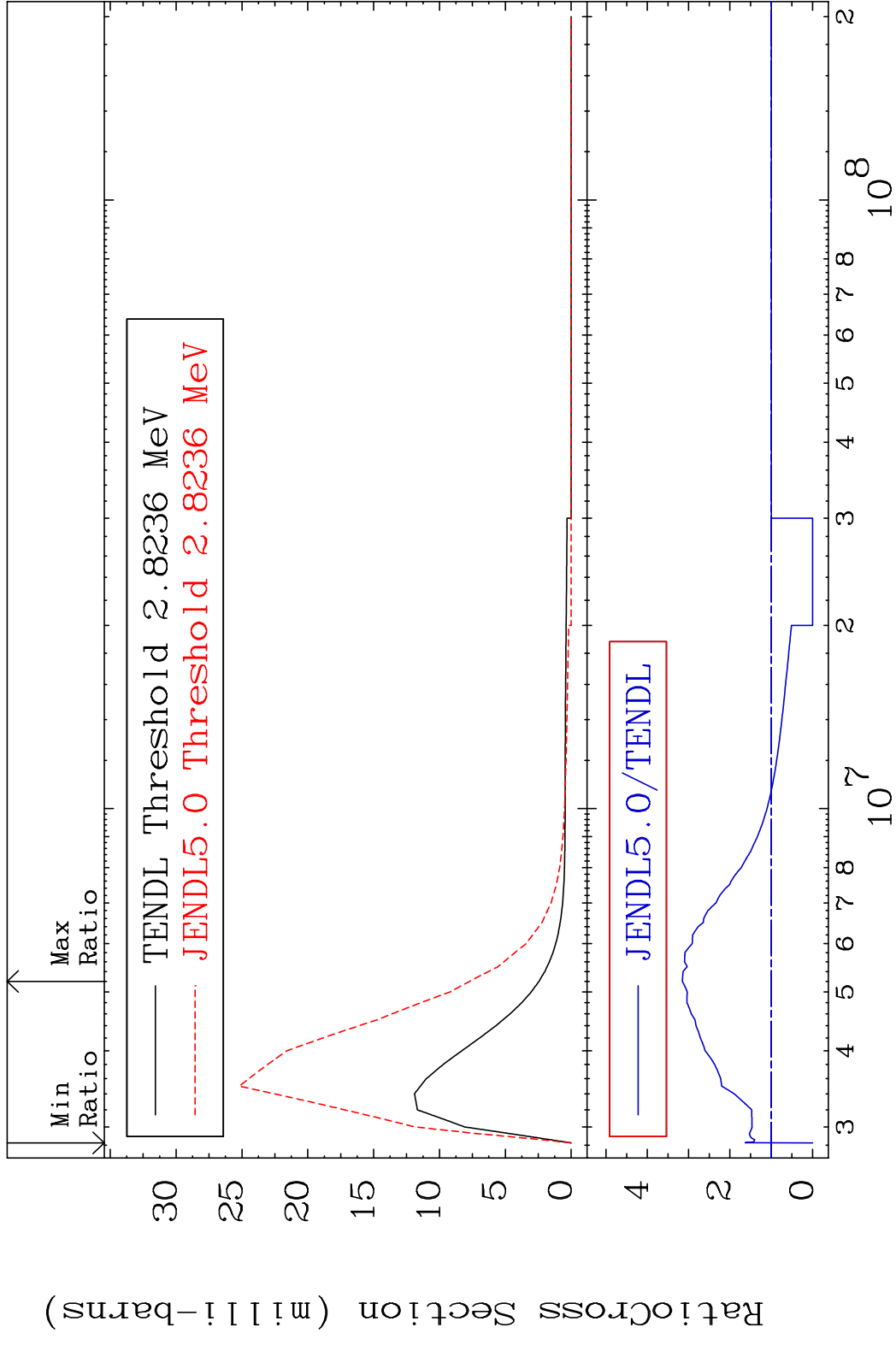


30

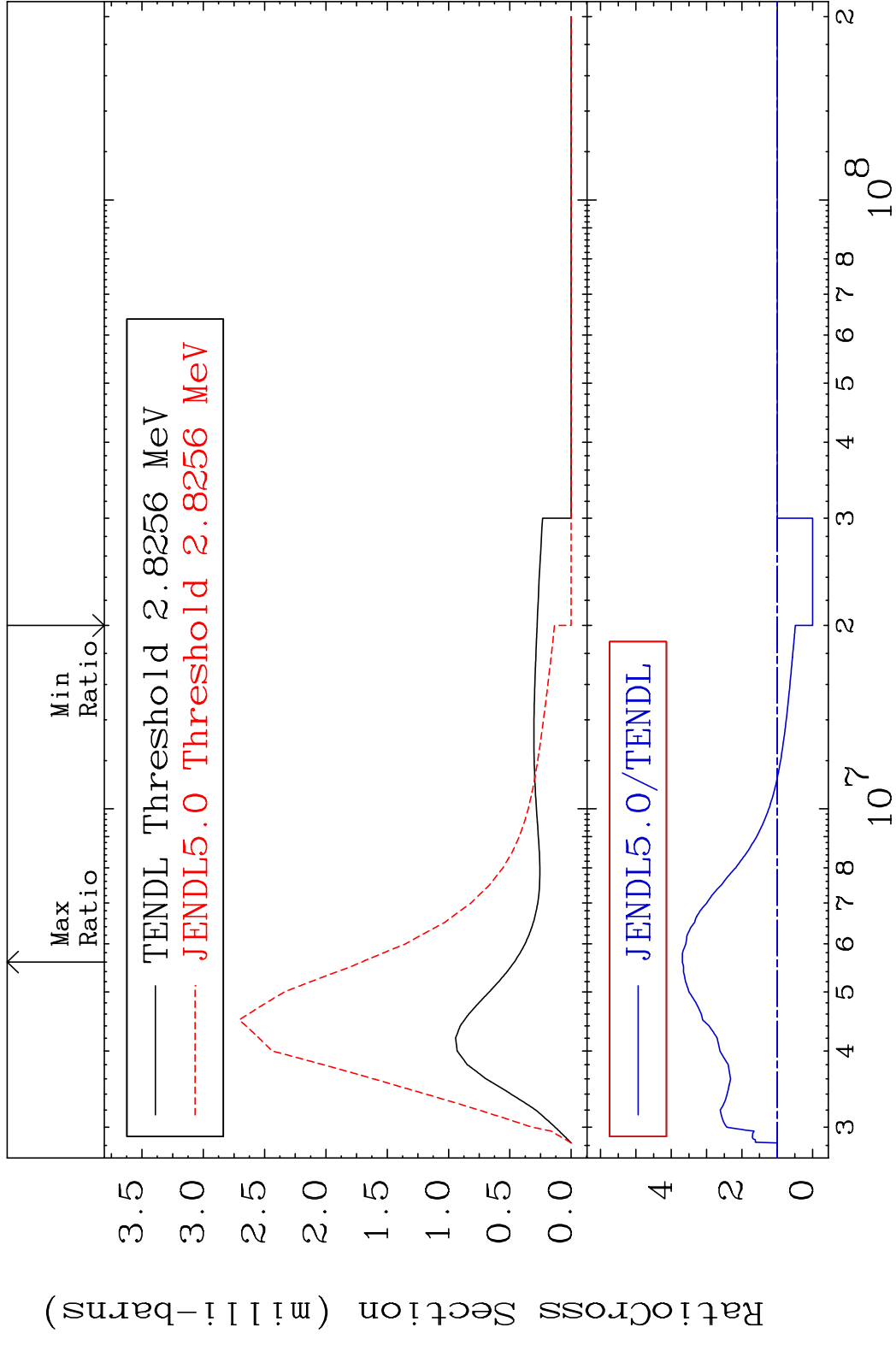
Incident Energy (eV)

50-Sn-120

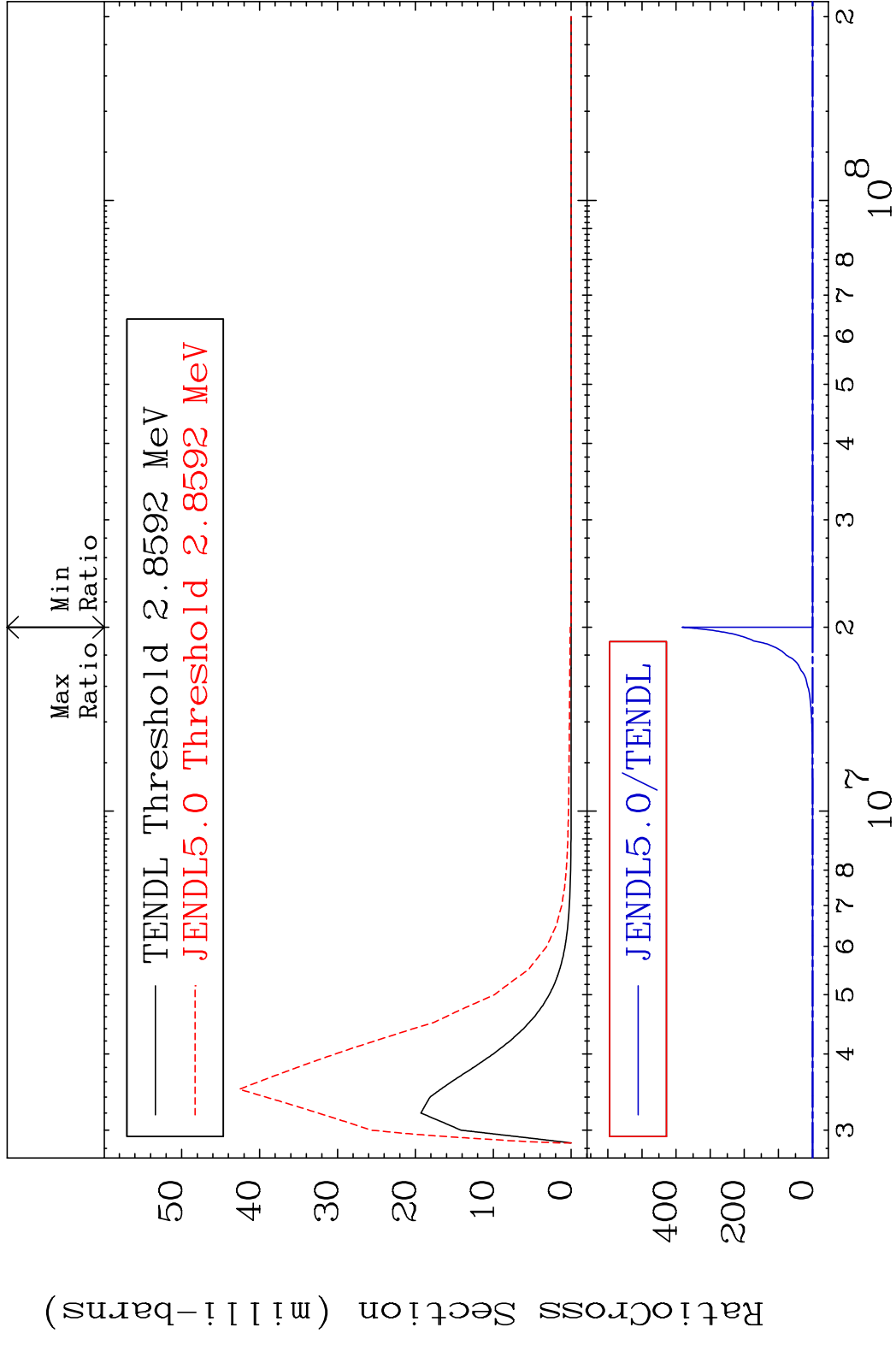
MAT 5049 MT= 73 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 215.2 %



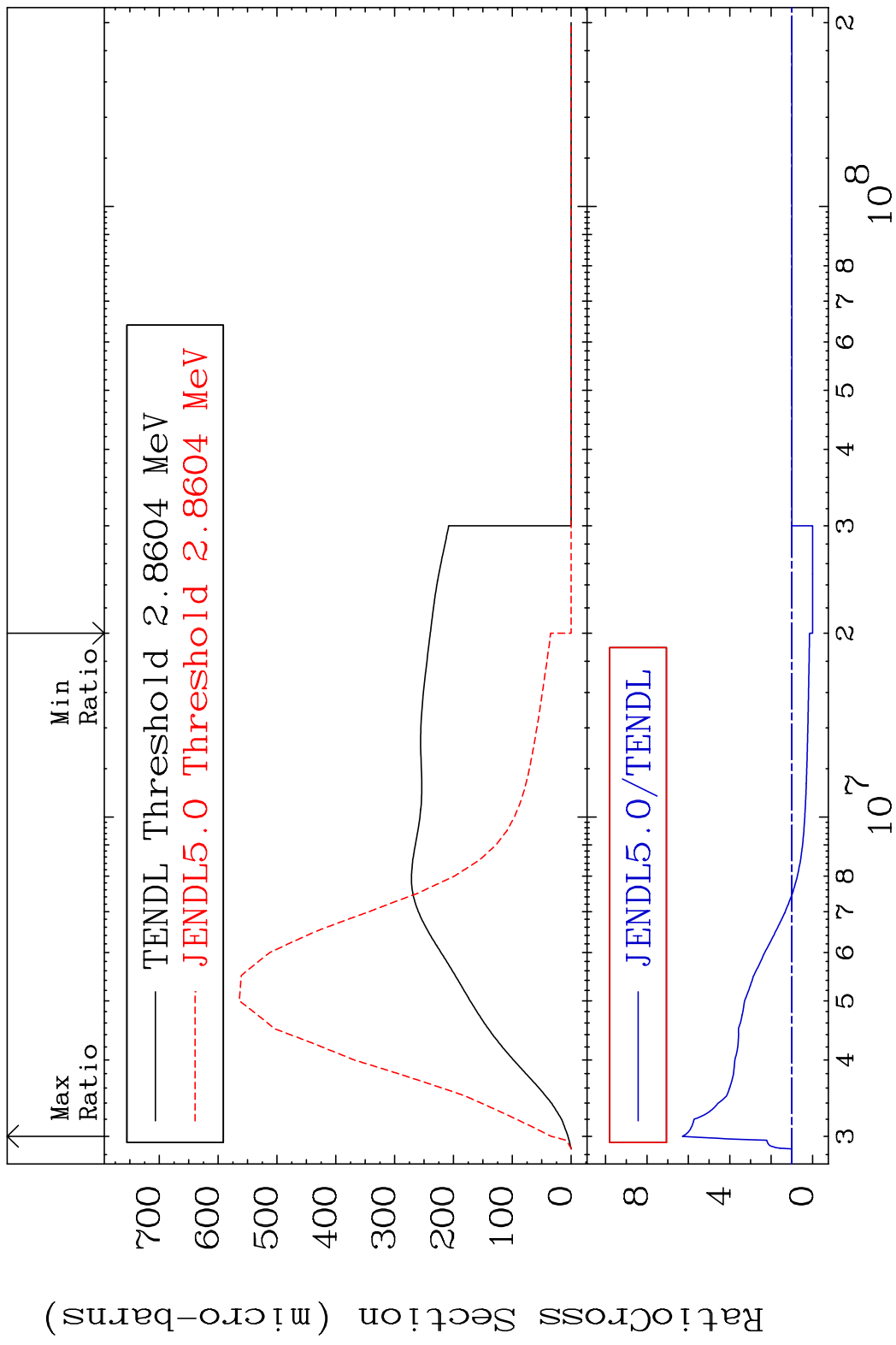
MAT 5049 MT= 74 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 268.6 %



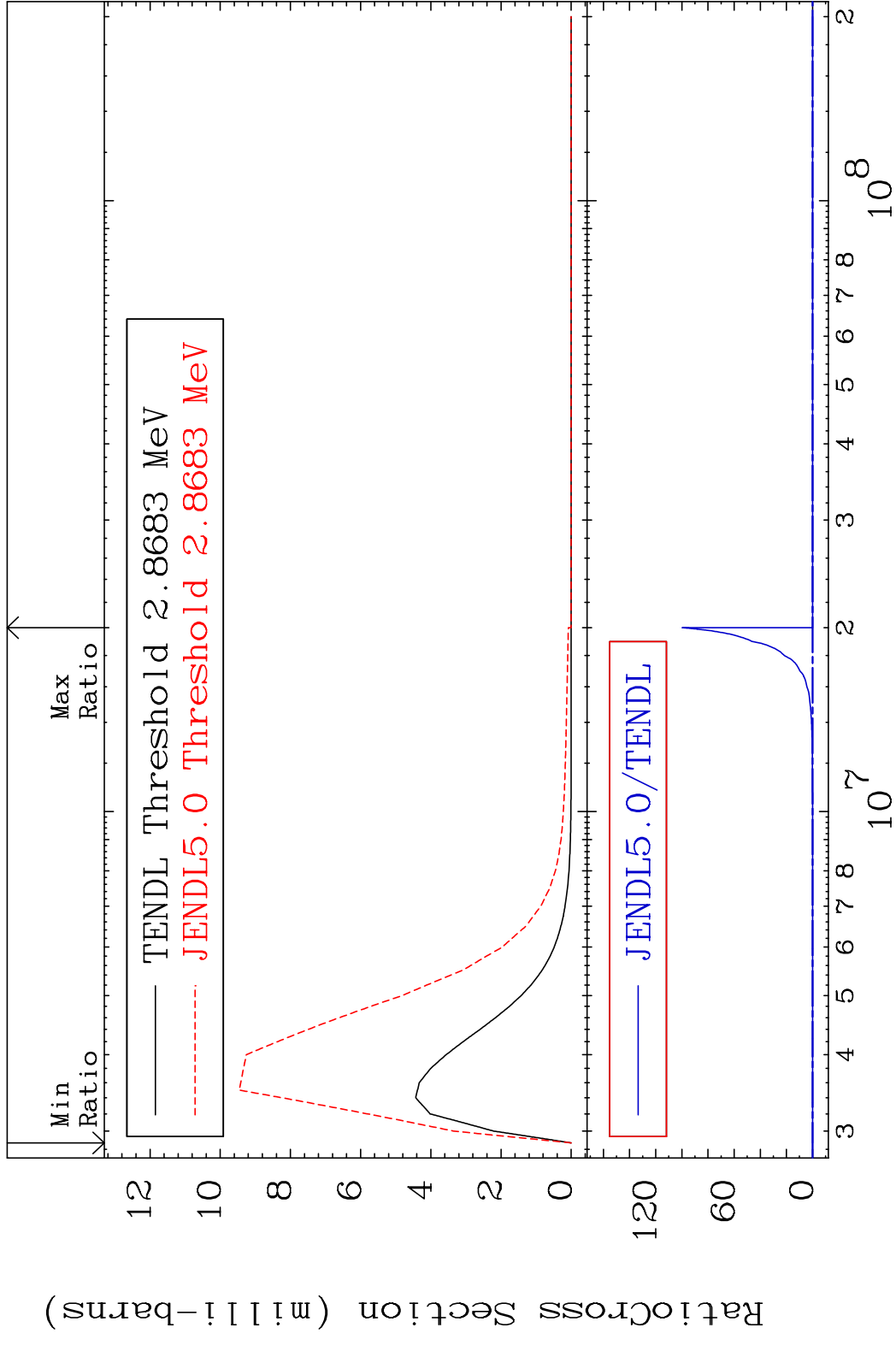
MAT 5049 MT= 75 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



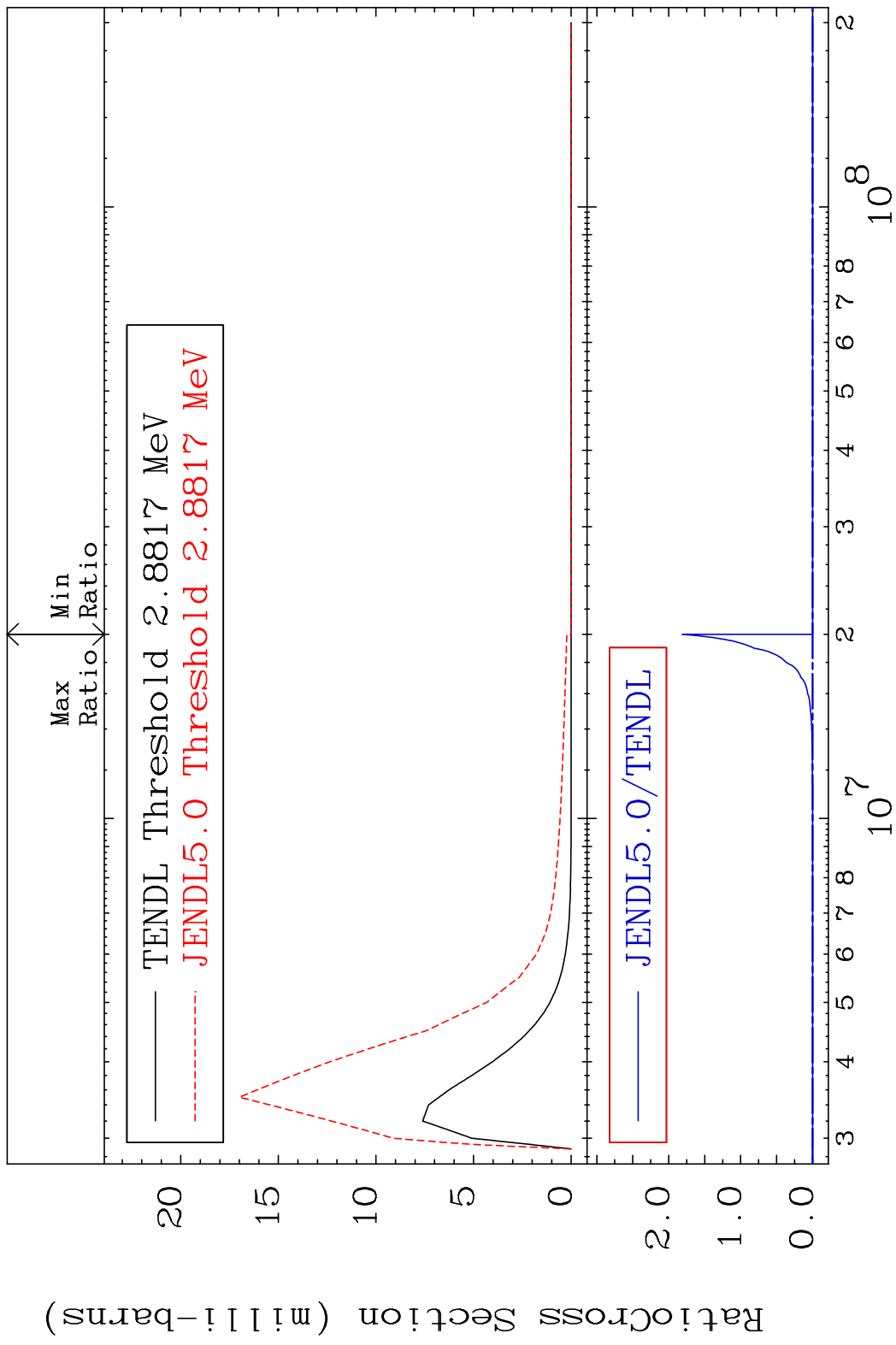
MAT 5049 MT= 76 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 529.2 %



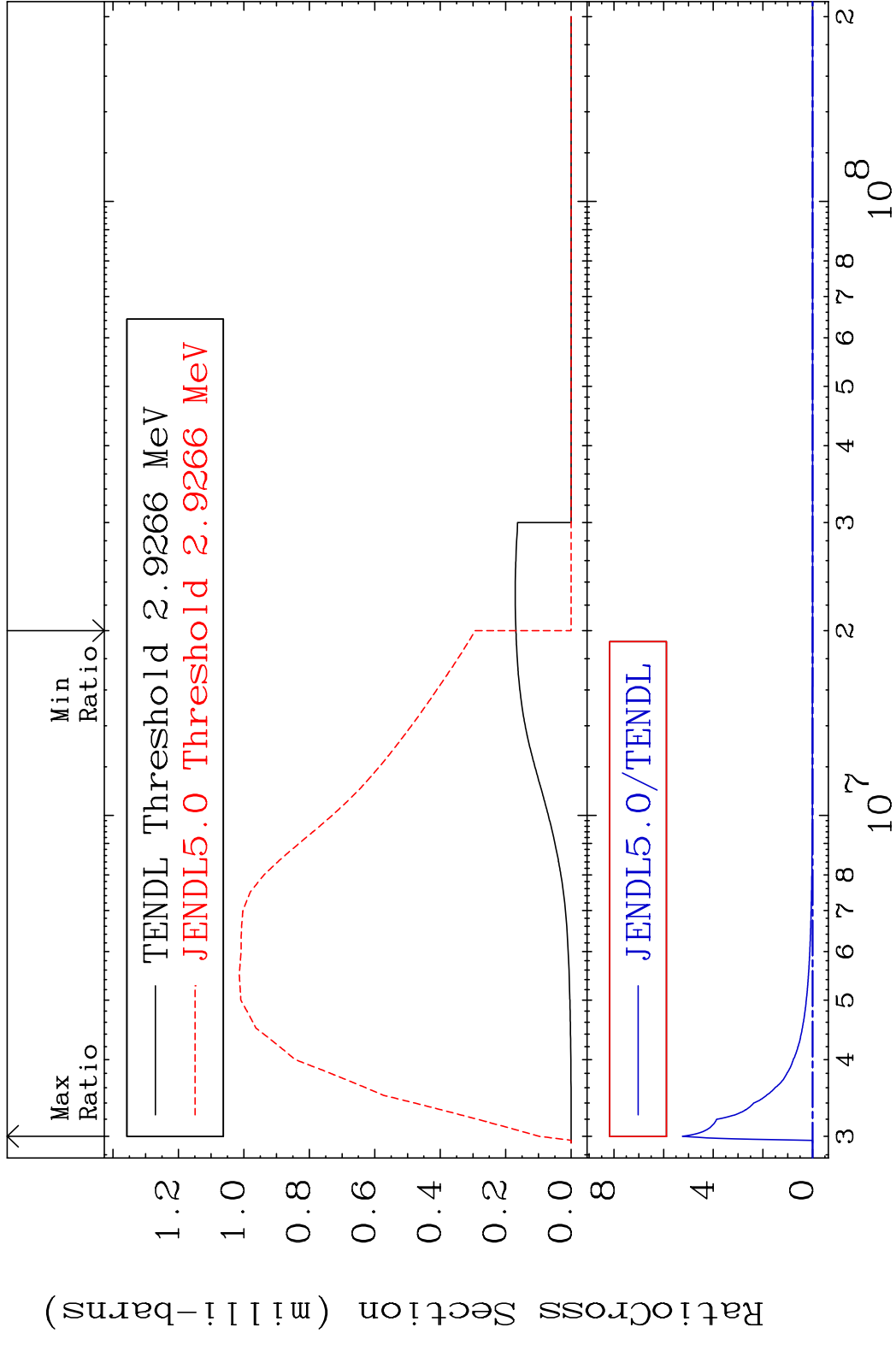
MAT 5049 MT= 77 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



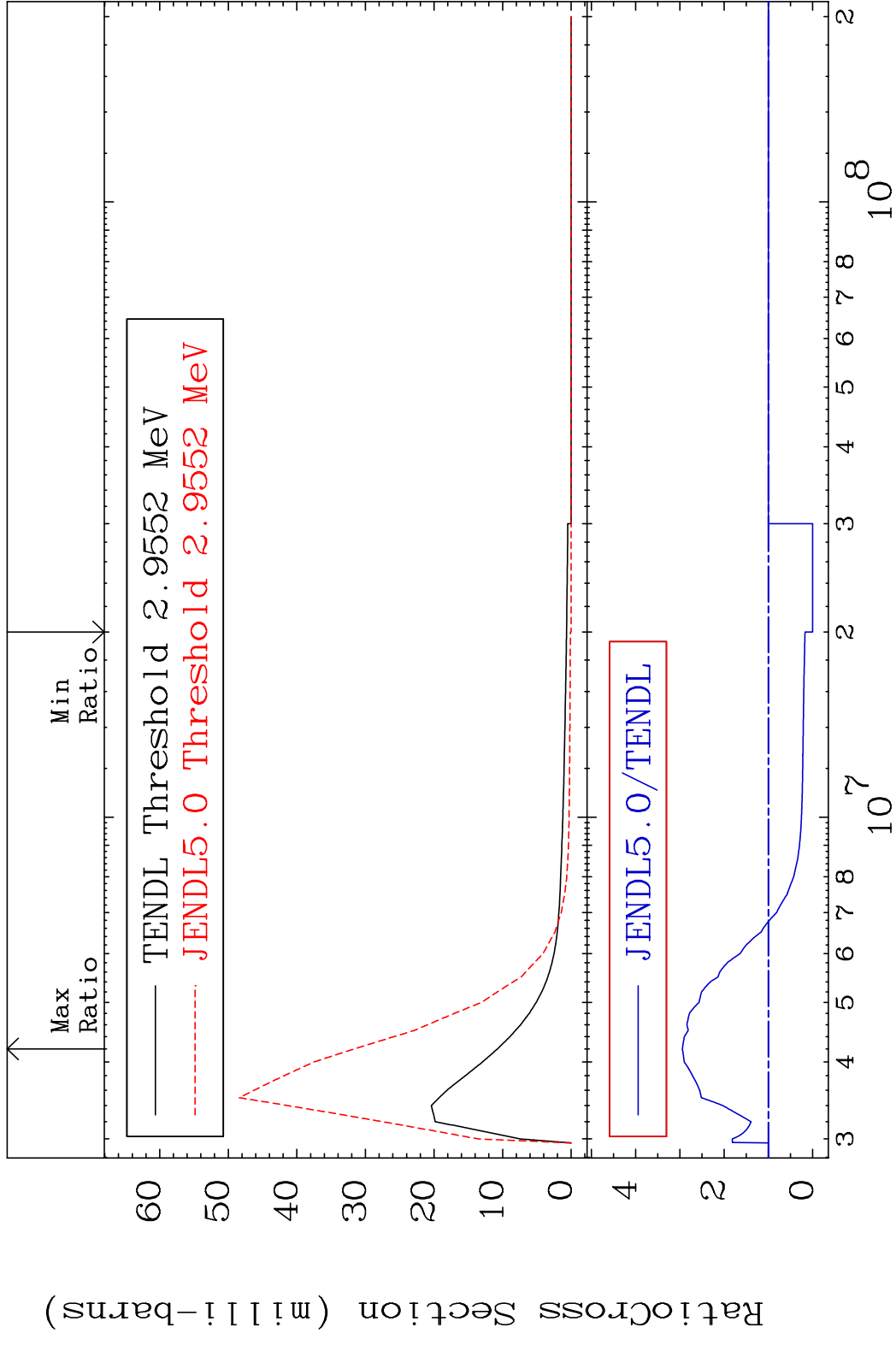
MAT 5049 MT= 78 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



MAT 5049 MT= 79 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



MAT 5049 MT= 80 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 194.3 %



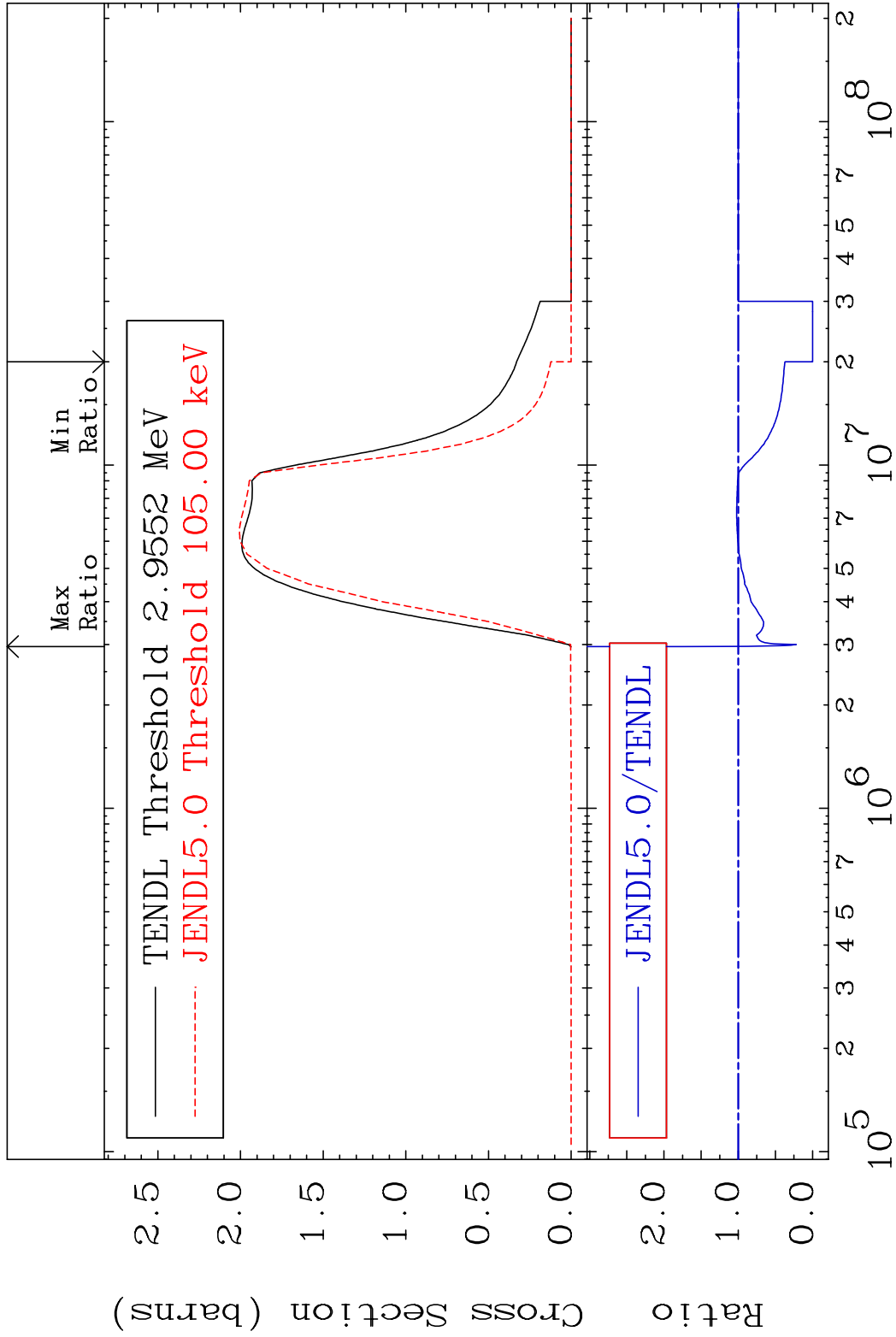
MAT 5049

(n, n') Continuum

50-Sn-120

Cross Section

-100.0 To 75.27 %



39

Incident Energy (eV)

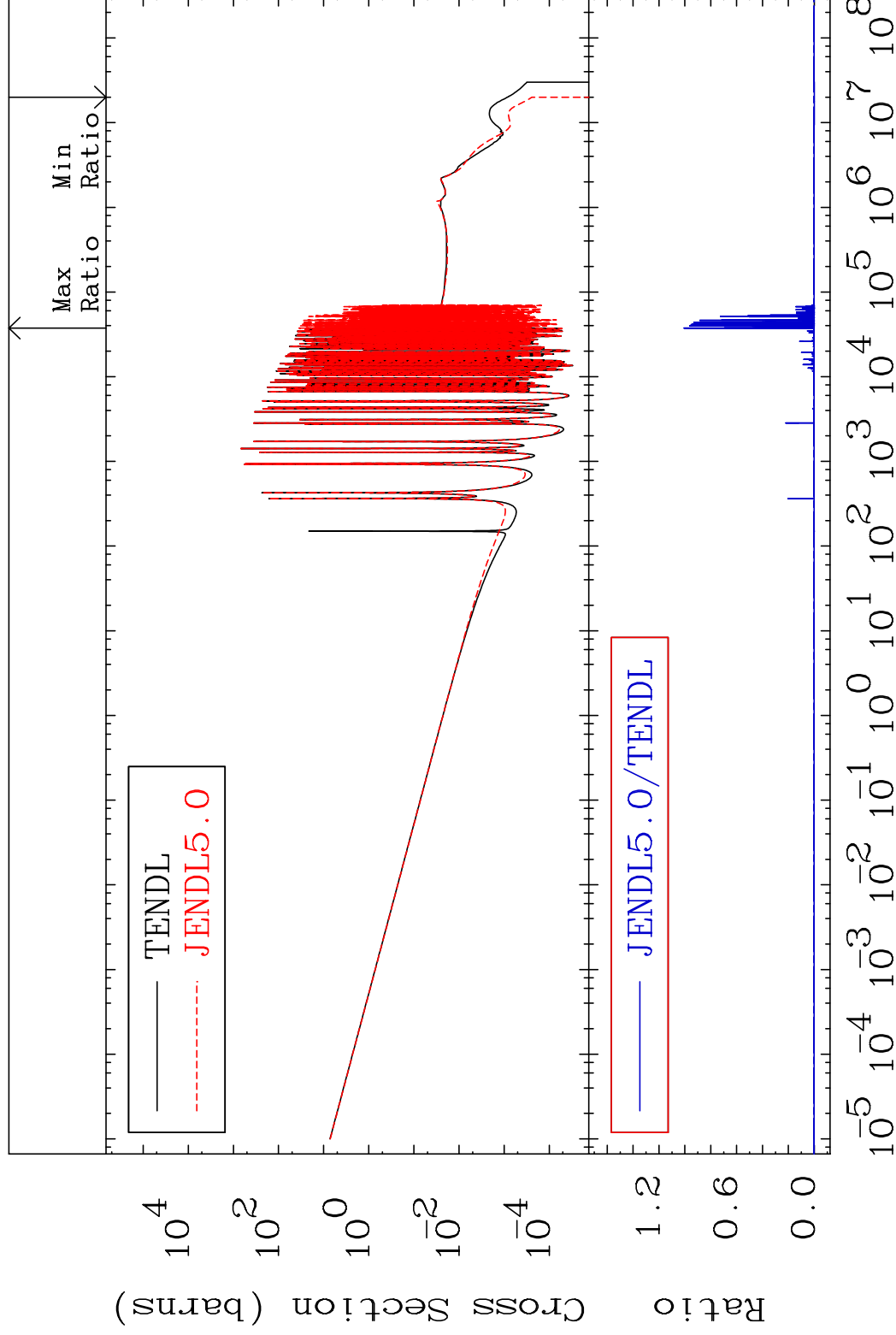
50-Sn-120

MAT 5049

(n, γ)

50-Sn-120

Cross Section -100.0 To 9999. %

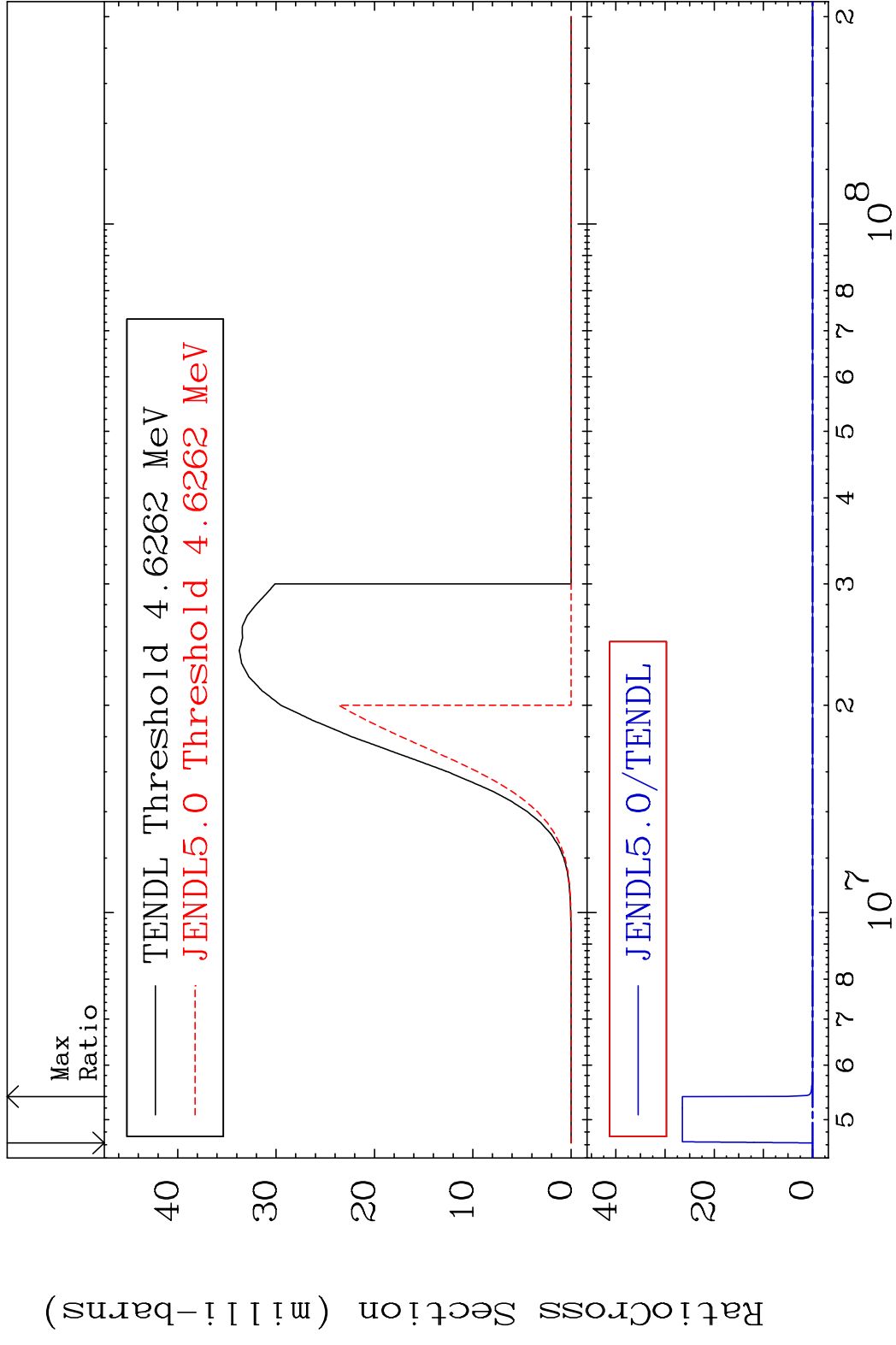


40

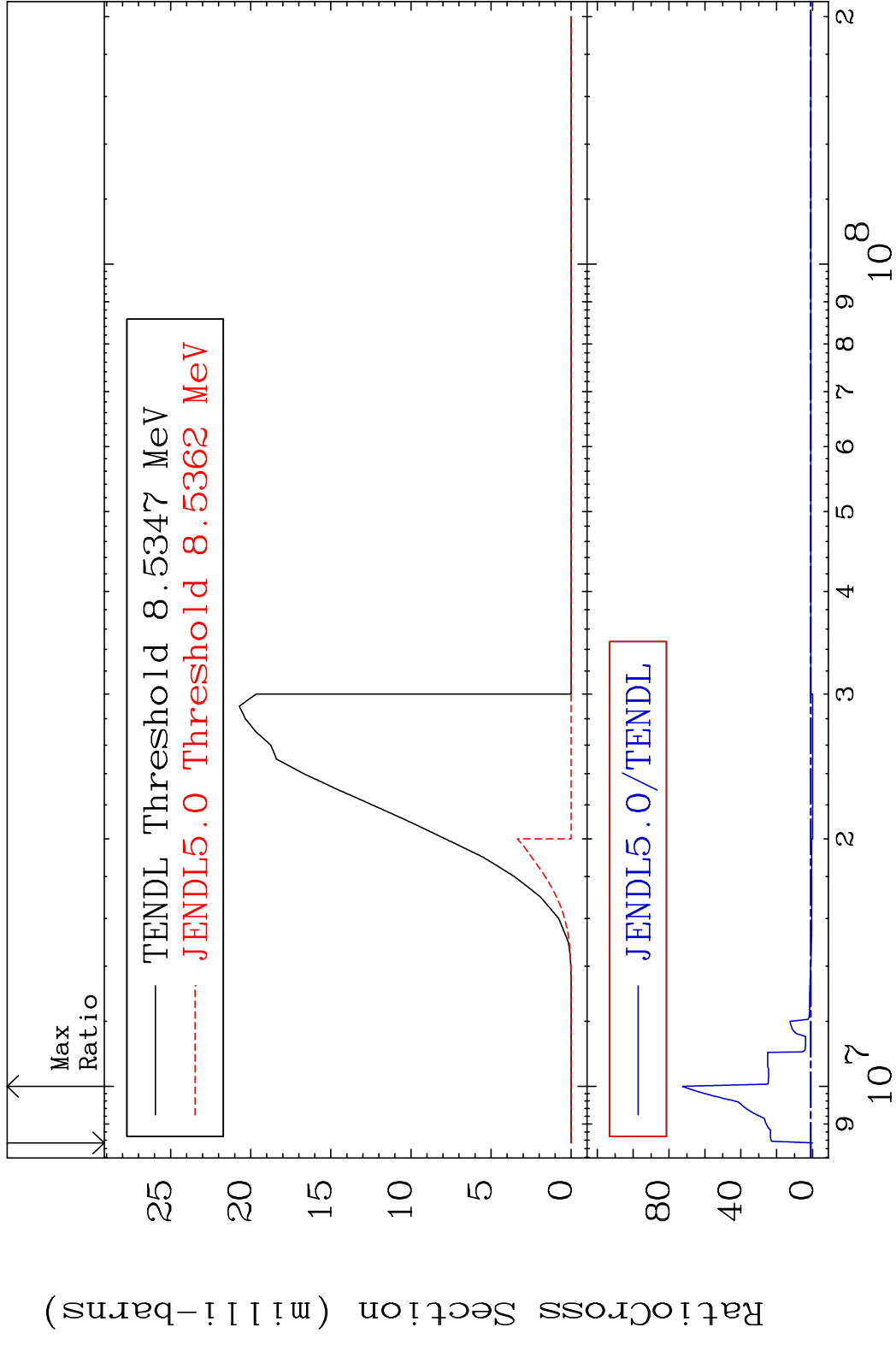
Incident Energy (eV)

50-Sn-120

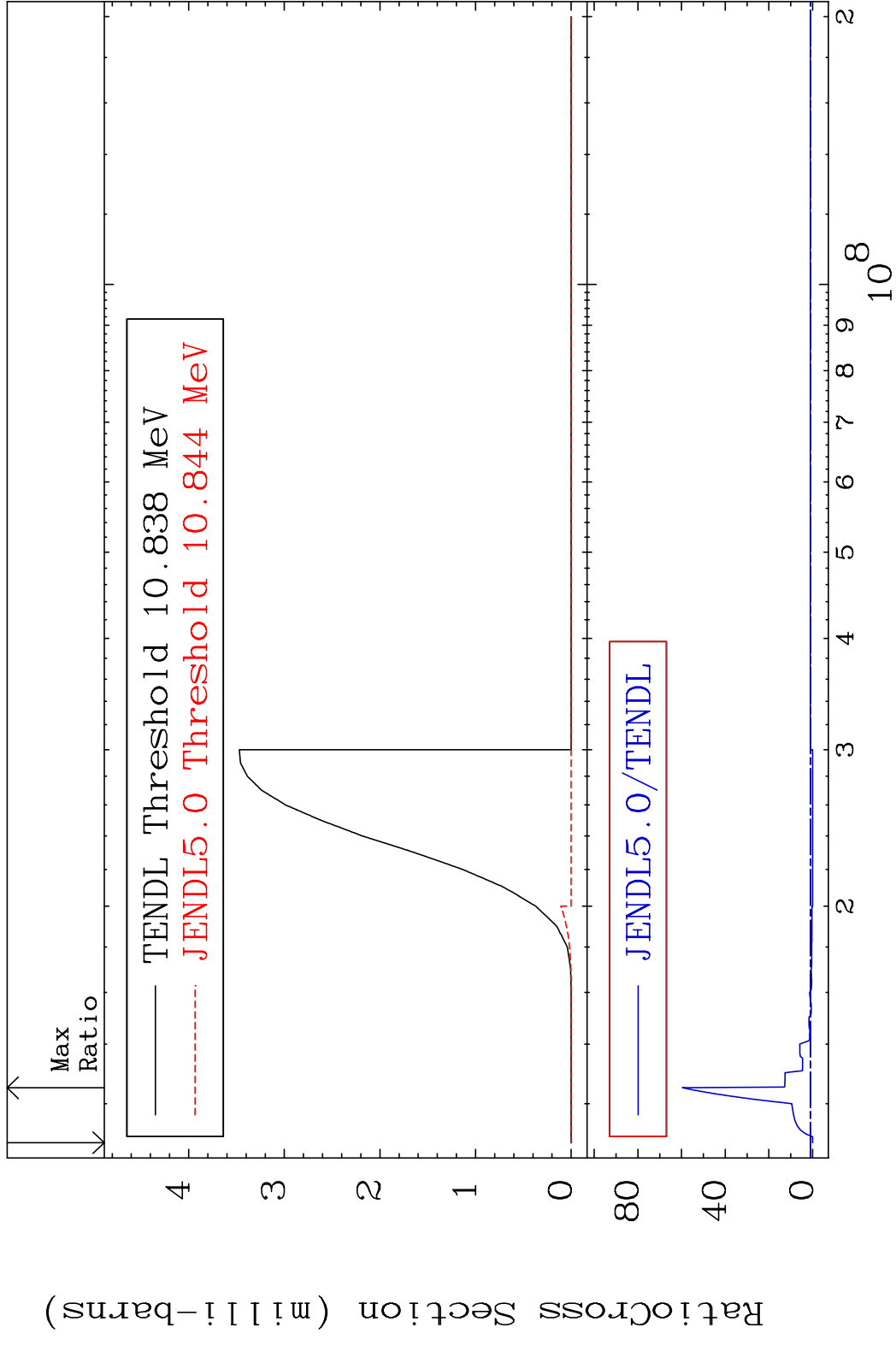
MAT 5049 (n,p) 50-Sn-120
 Cross Section -100.0 To 9999. %



MAT 5049 (n,d) 50-Sn-120
 Cross Section -100.0 To 7157. %



MAT 5049 (n, t) 50-Sn-120
 Cross Section -100.0 To 5863. %

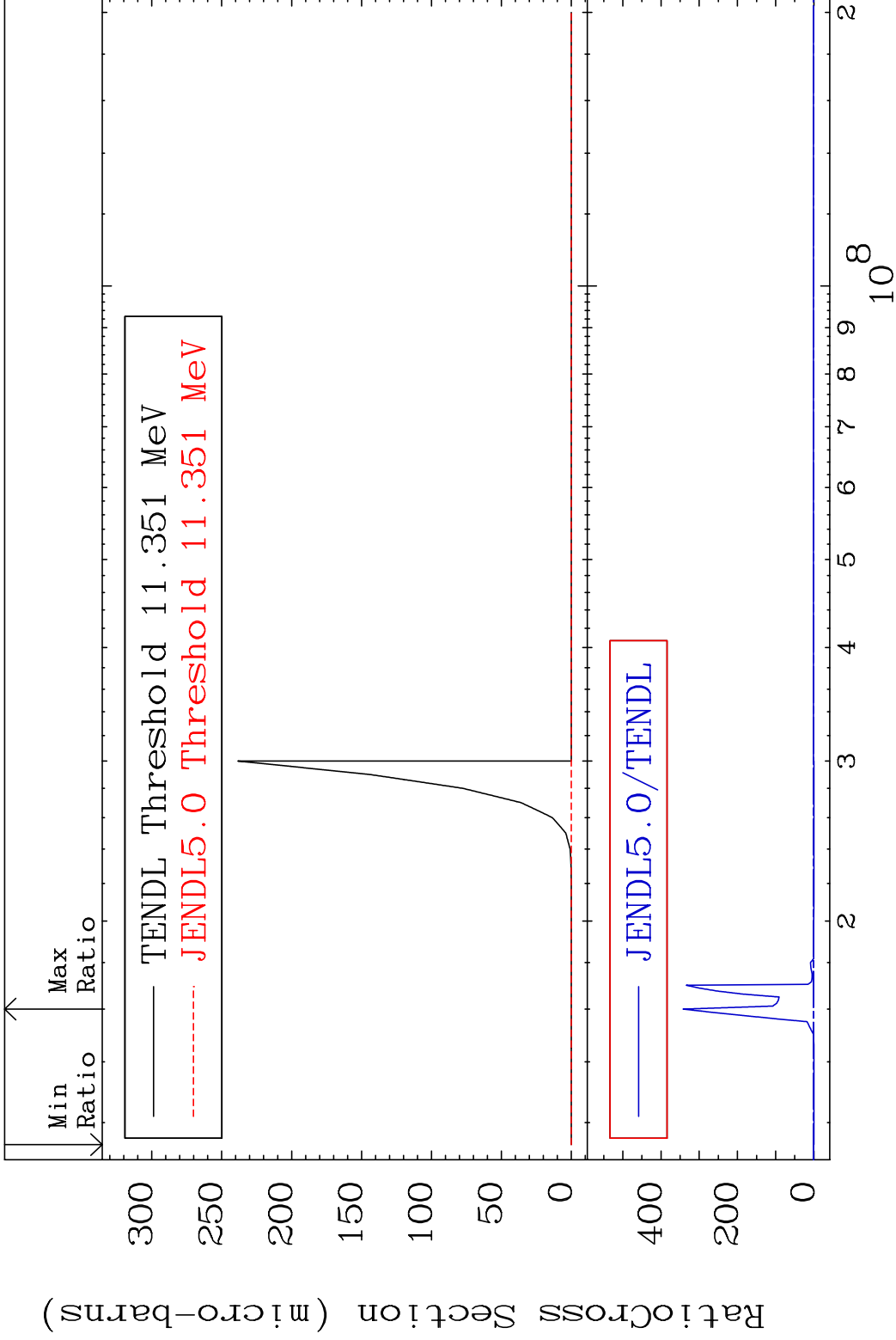


MAT 5049

(n, He-3)

50-Sn-120

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

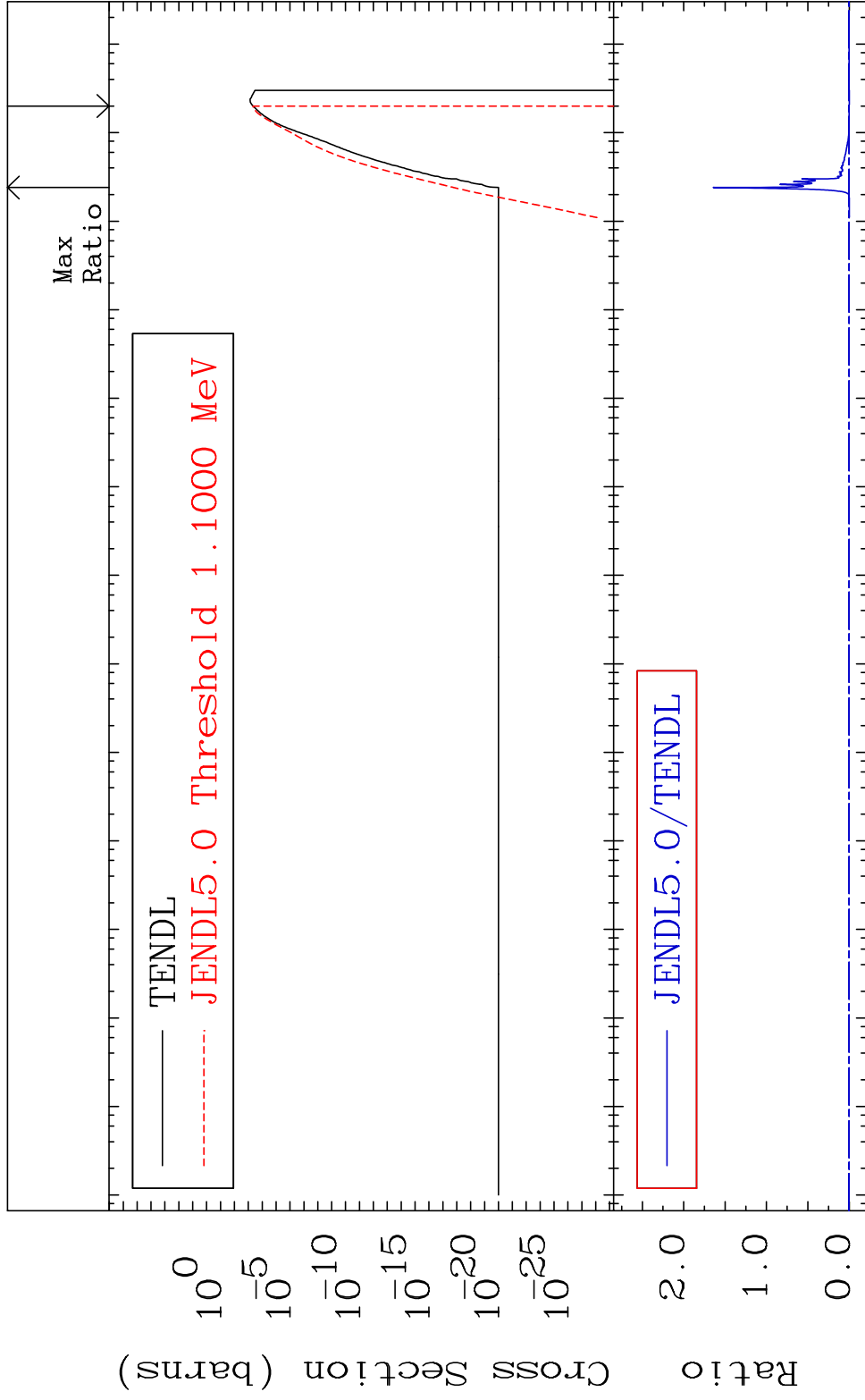
50-Sn-120

MAT 5049

(n, α)

50-Sn-120

Cross Section -100.0 To 9999. %

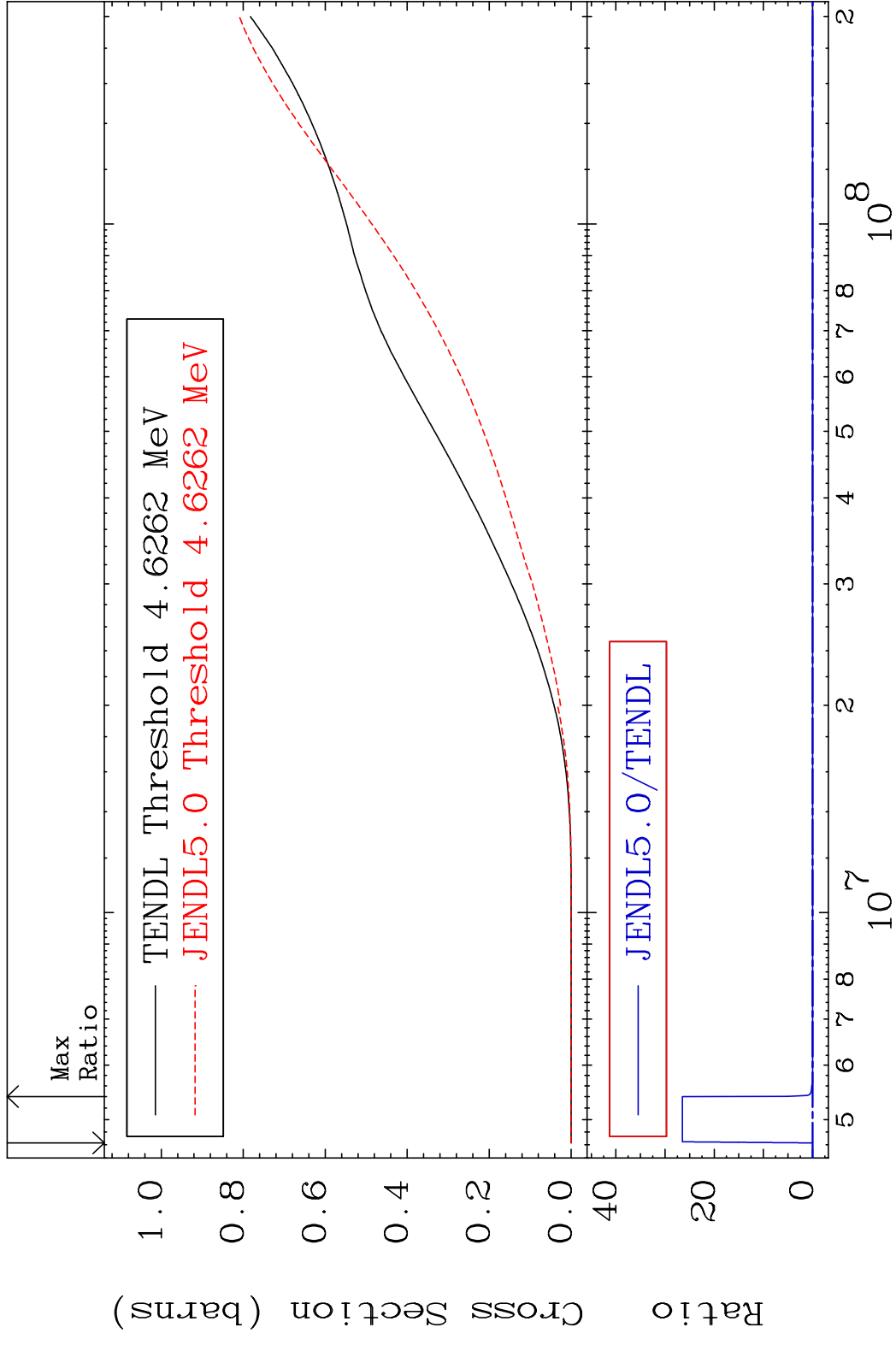


45

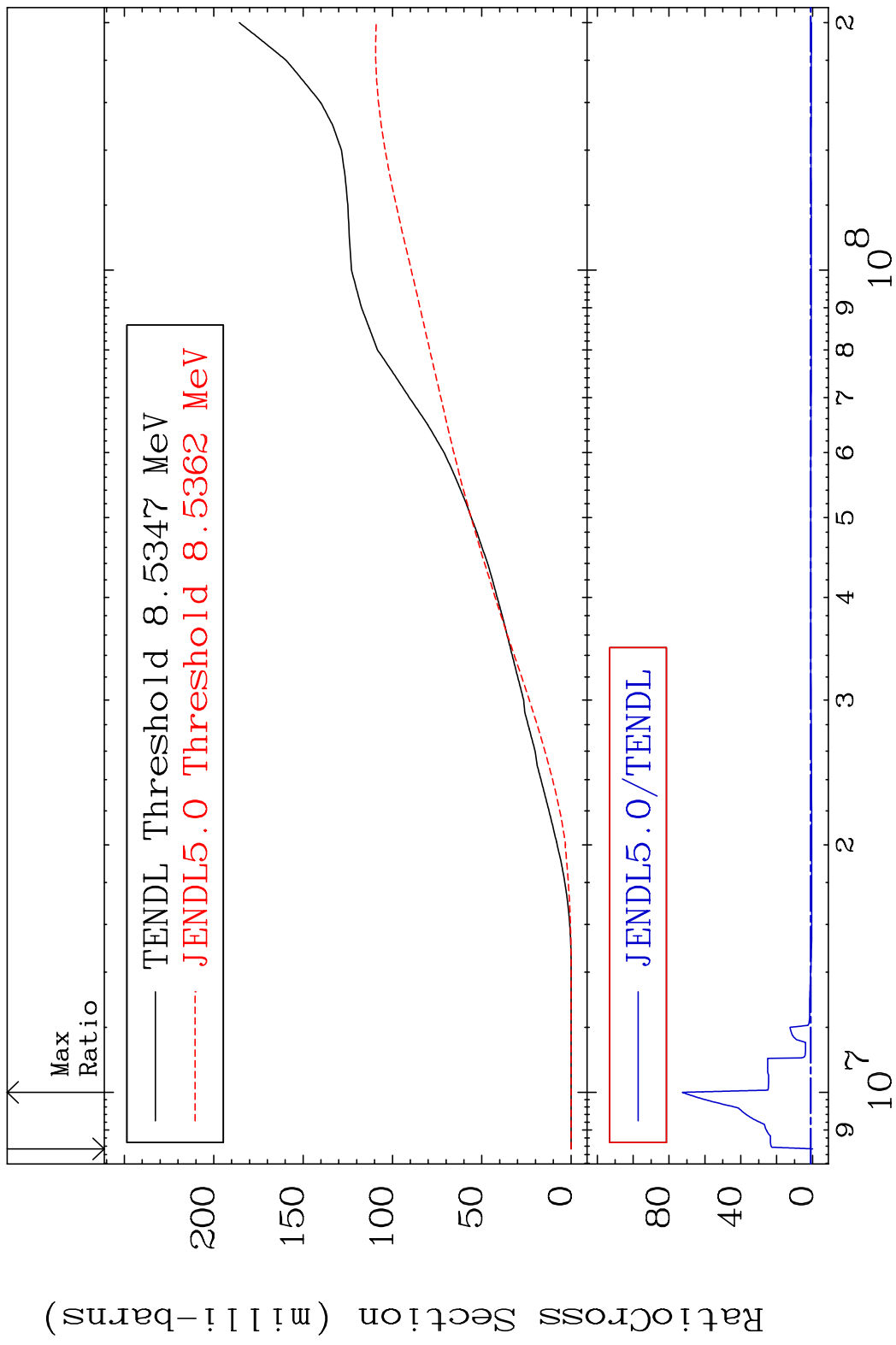
Incident Energy (eV)

50-Sn-120

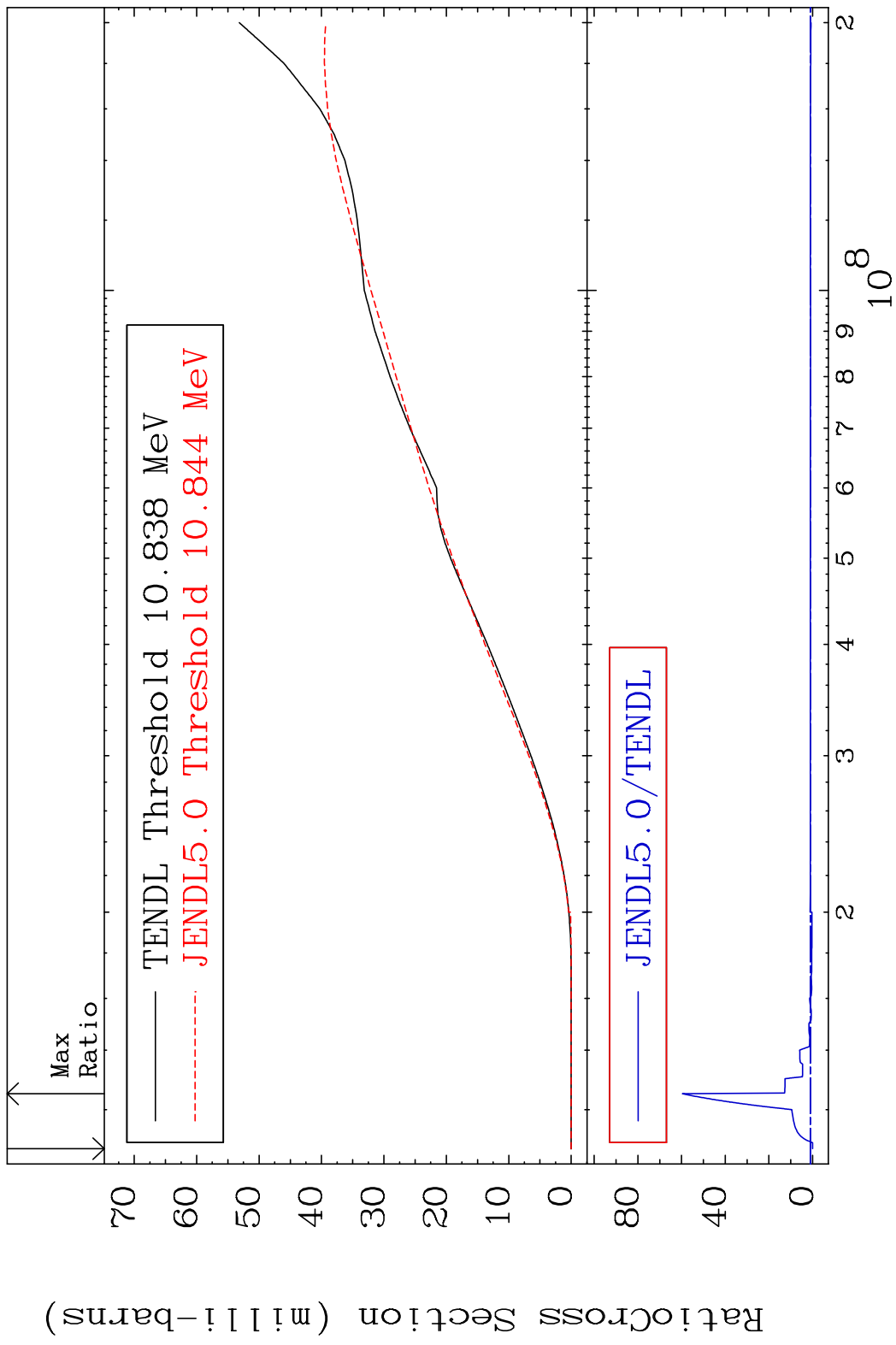
MAT 5049 Hydrogen Production 50-Sn-120
 Cross Section -100.0 To 9999. %



MAT 5049 Deuterium Production 50-Sn-120
 Cross Section -100.0 To 7157. %



MAT 5049 Tritium Production 50-Sn-120
 Cross Section -100.0 To 5863. %

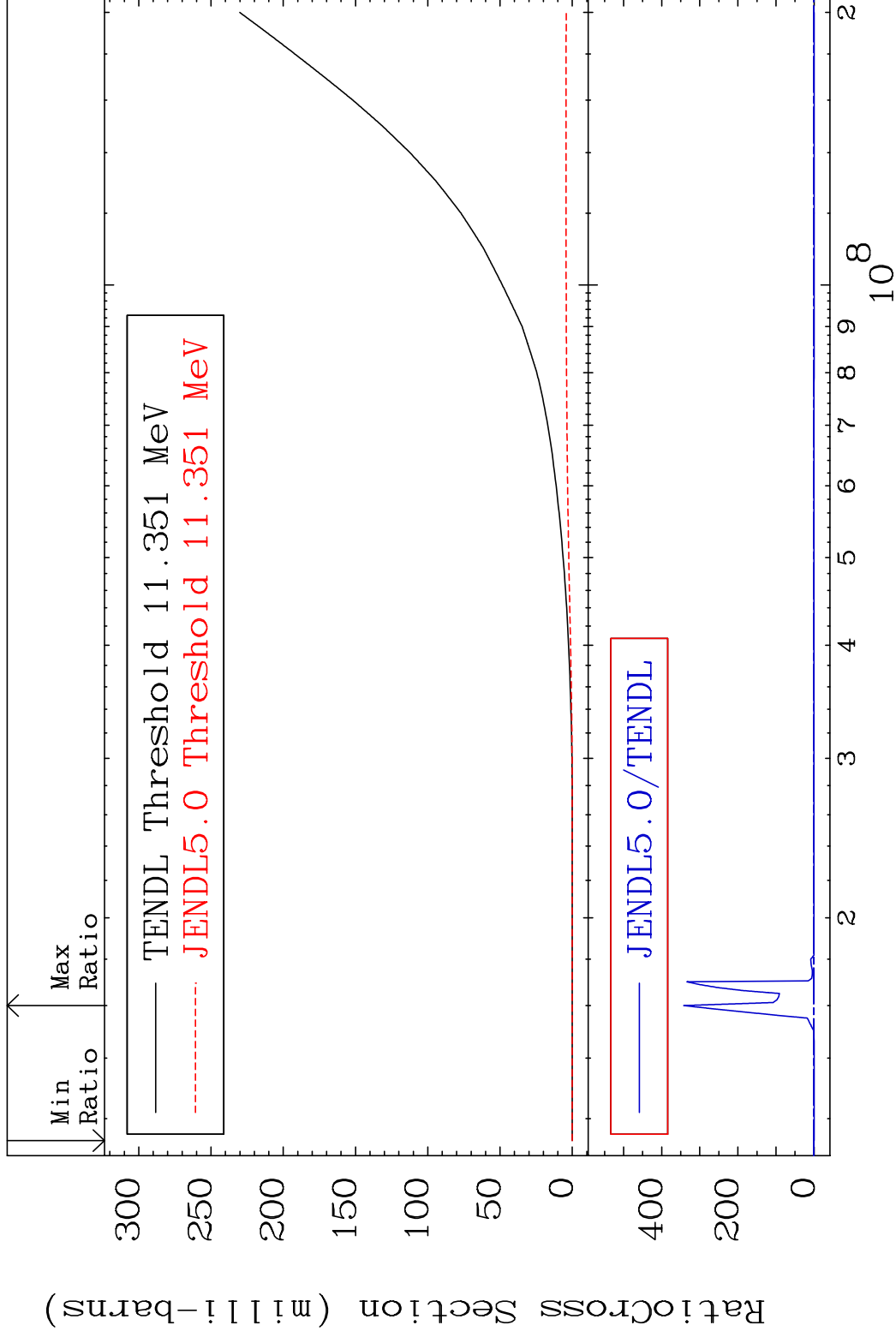


MAT 5049

He-3 Production

50-Sn-120

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

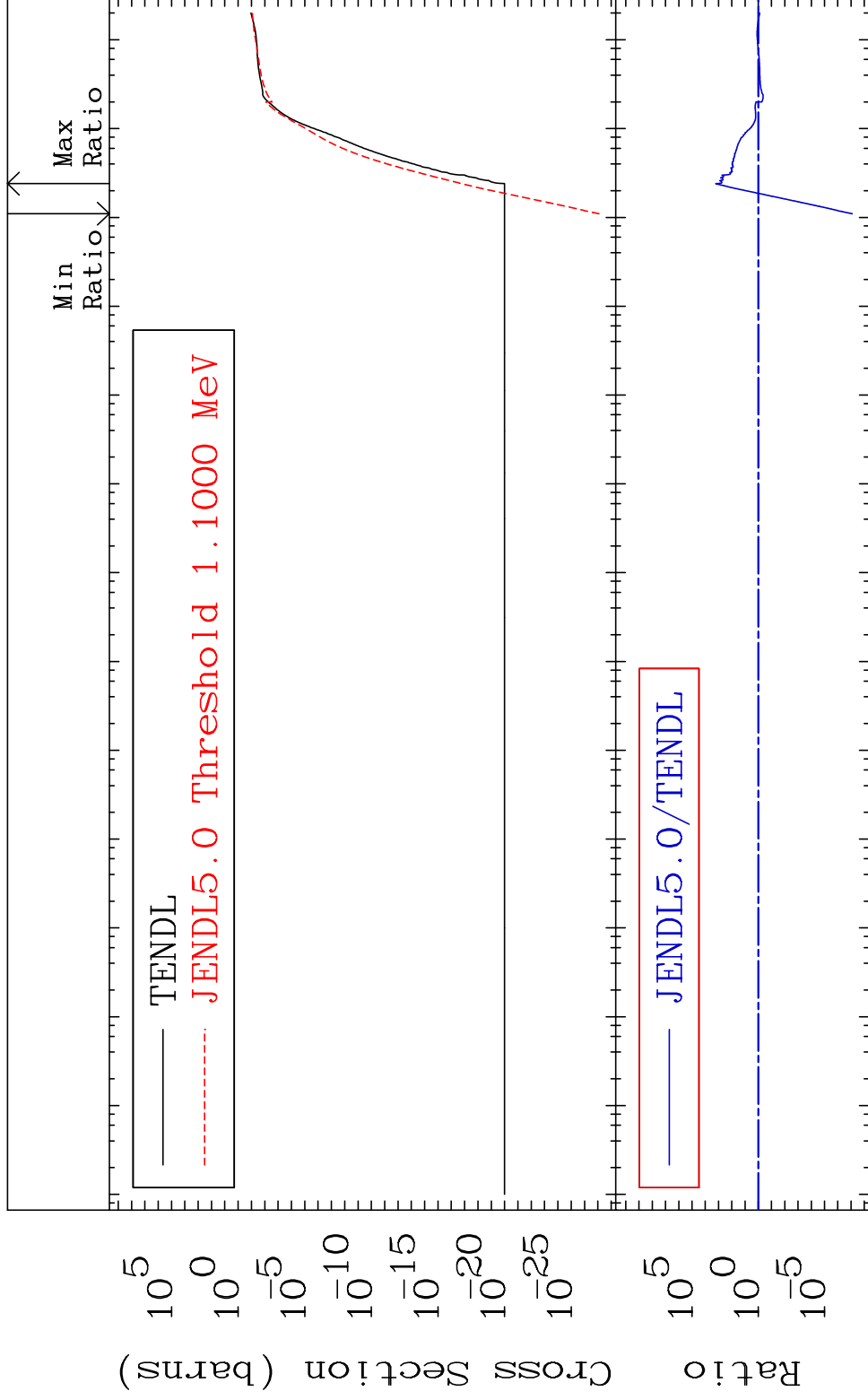
50-Sn-120

MAT 5049

He-4 Production

50-Sn-120

Cross Section -100.0 To 9999. %

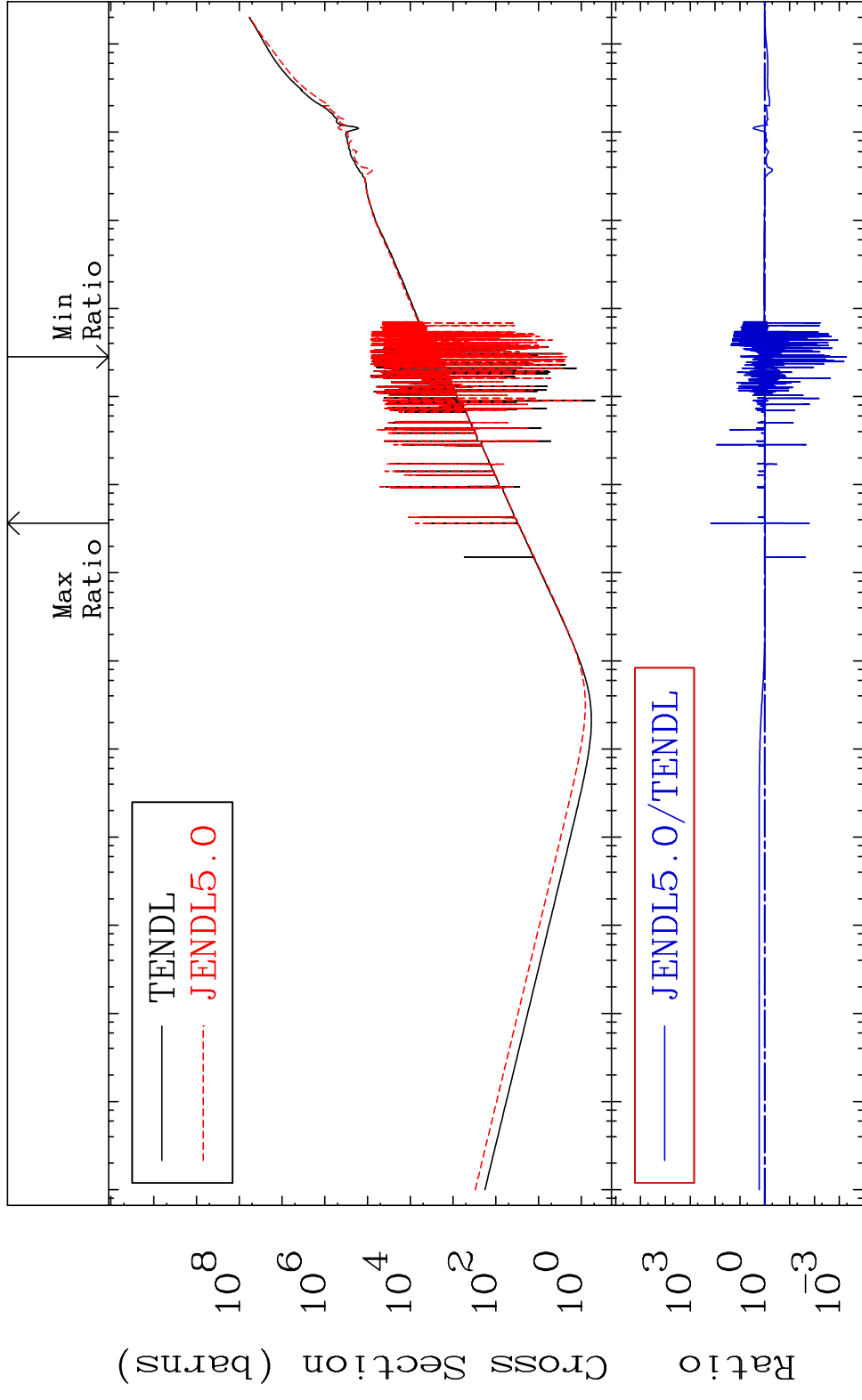


50

Incident Energy (eV)

50-Sn-120

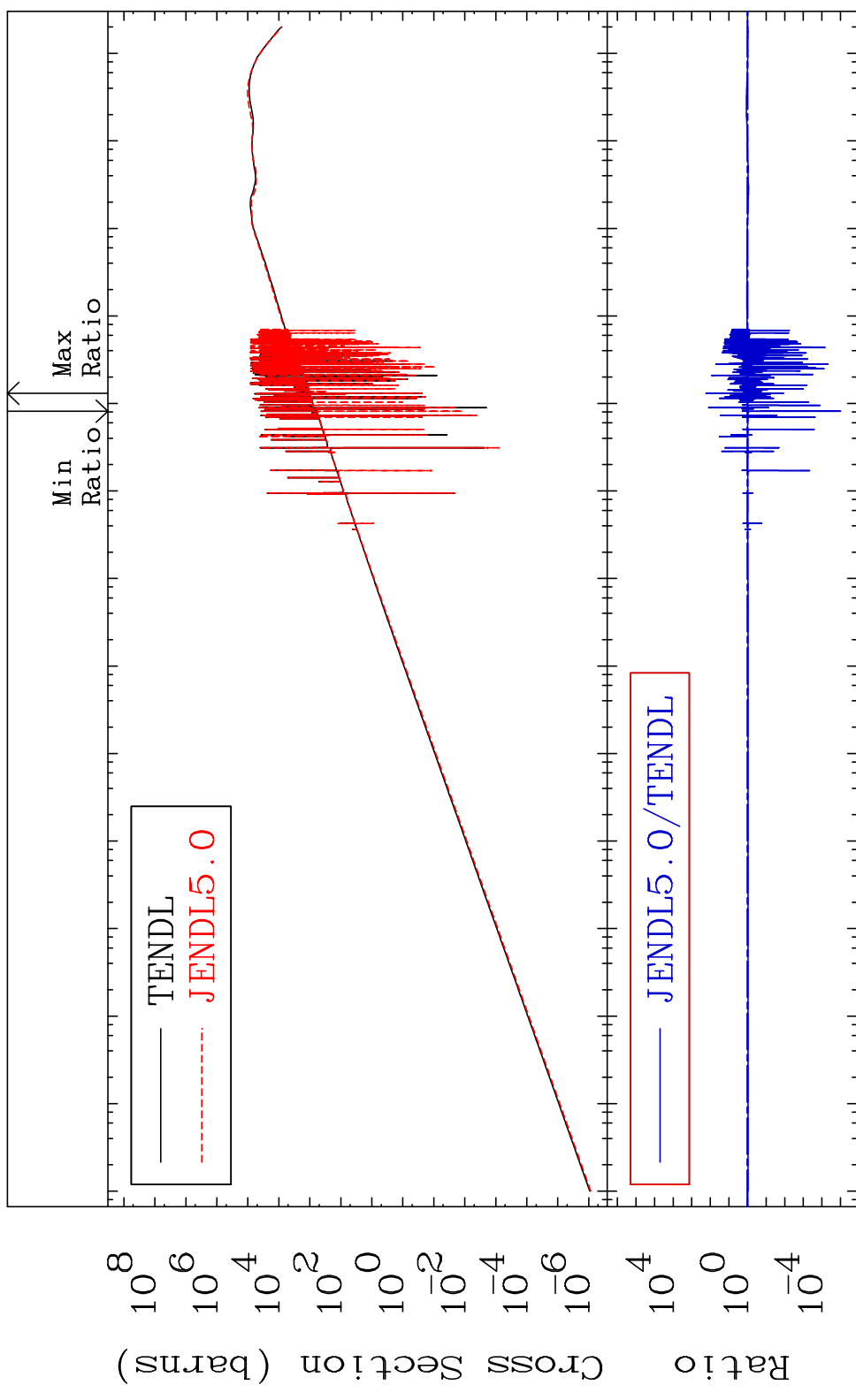
MAT 5049 Kerma total (eV-barns) 50-Sn-120
 Cross Section -99.95 To 9999. %



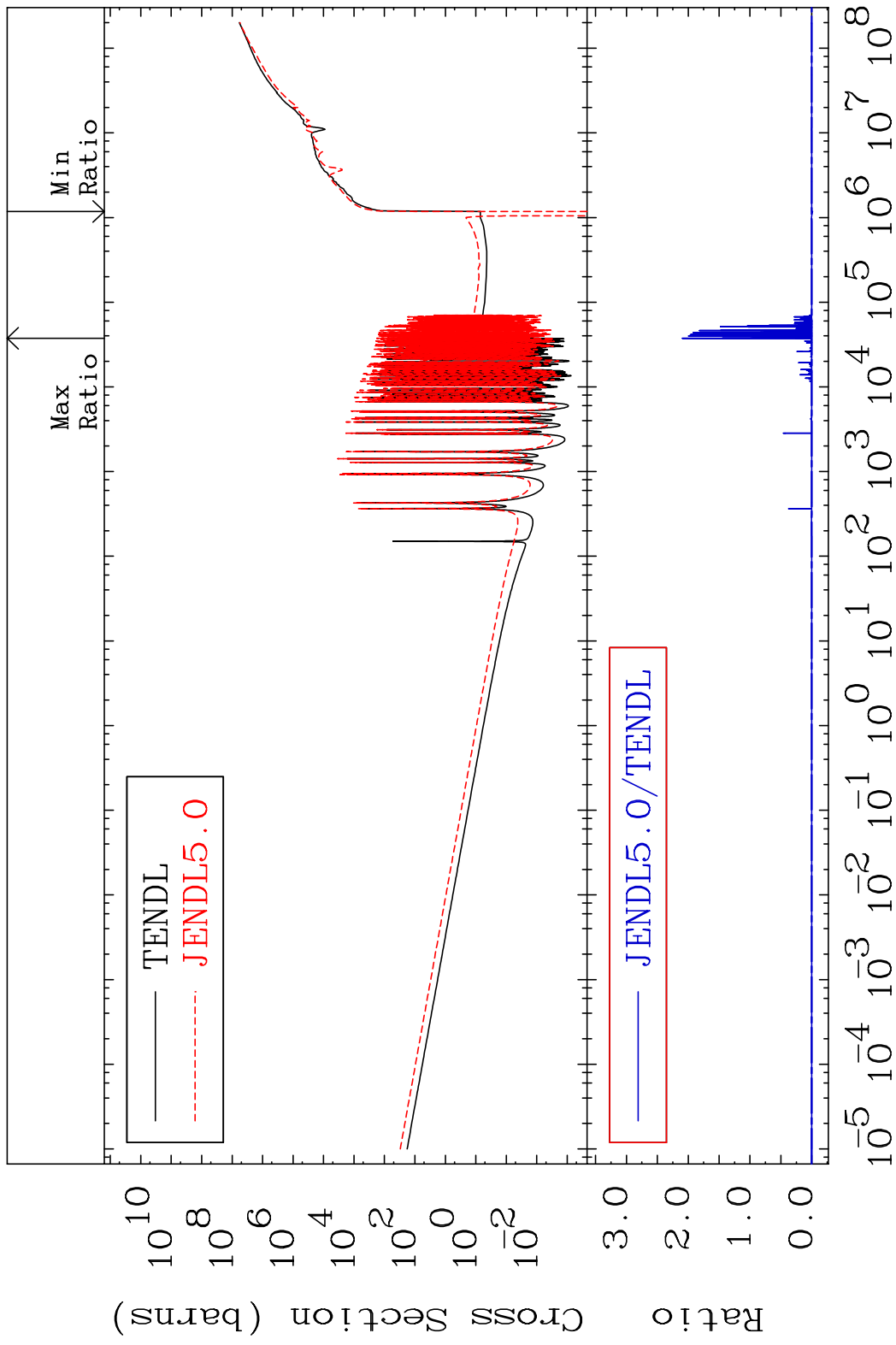
51 Incident Energy (eV) 50-Sn-120

MAT 5049

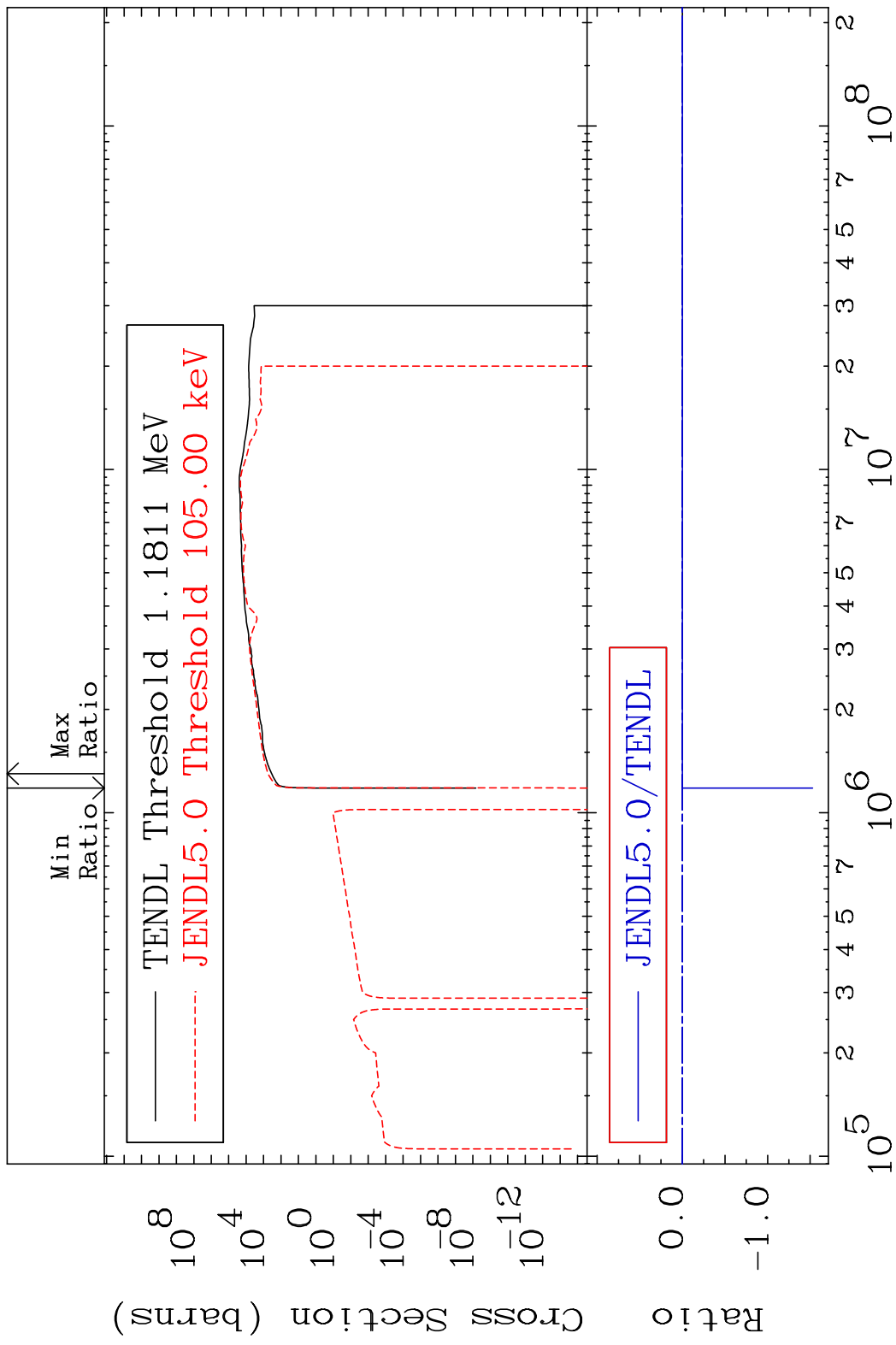
Kerma elastic Cross Section -100.0 To 9999. %
50-Sn-120



MAT 5049 Kerma non-elastic (all but mt2) 50-Sn-120
 Cross Section -1397. To 9999. %

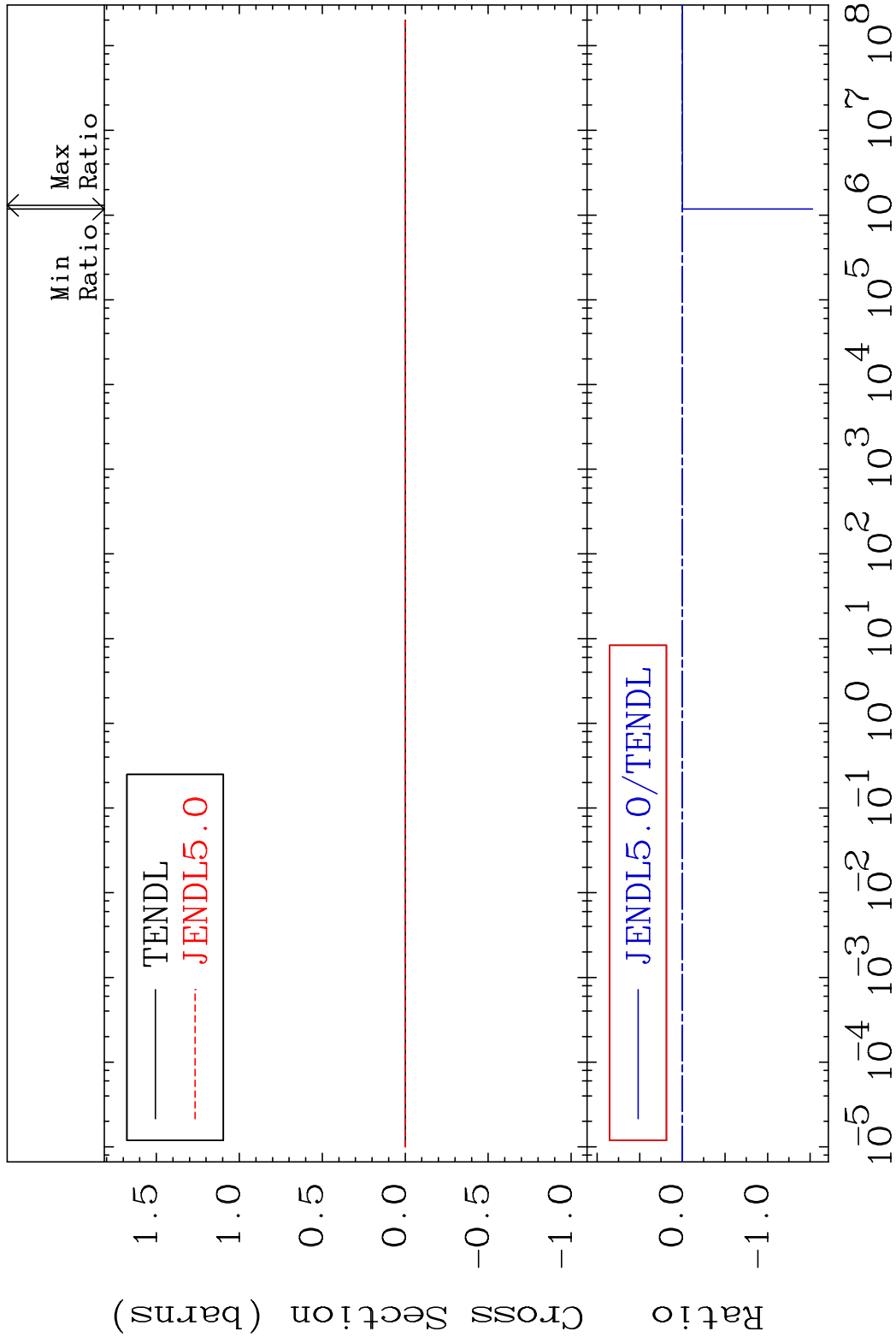


MAT 5049 Kerma inelastic (mt51-91) 50-Sn-120
 Cross Section -9999. To 64.55 %

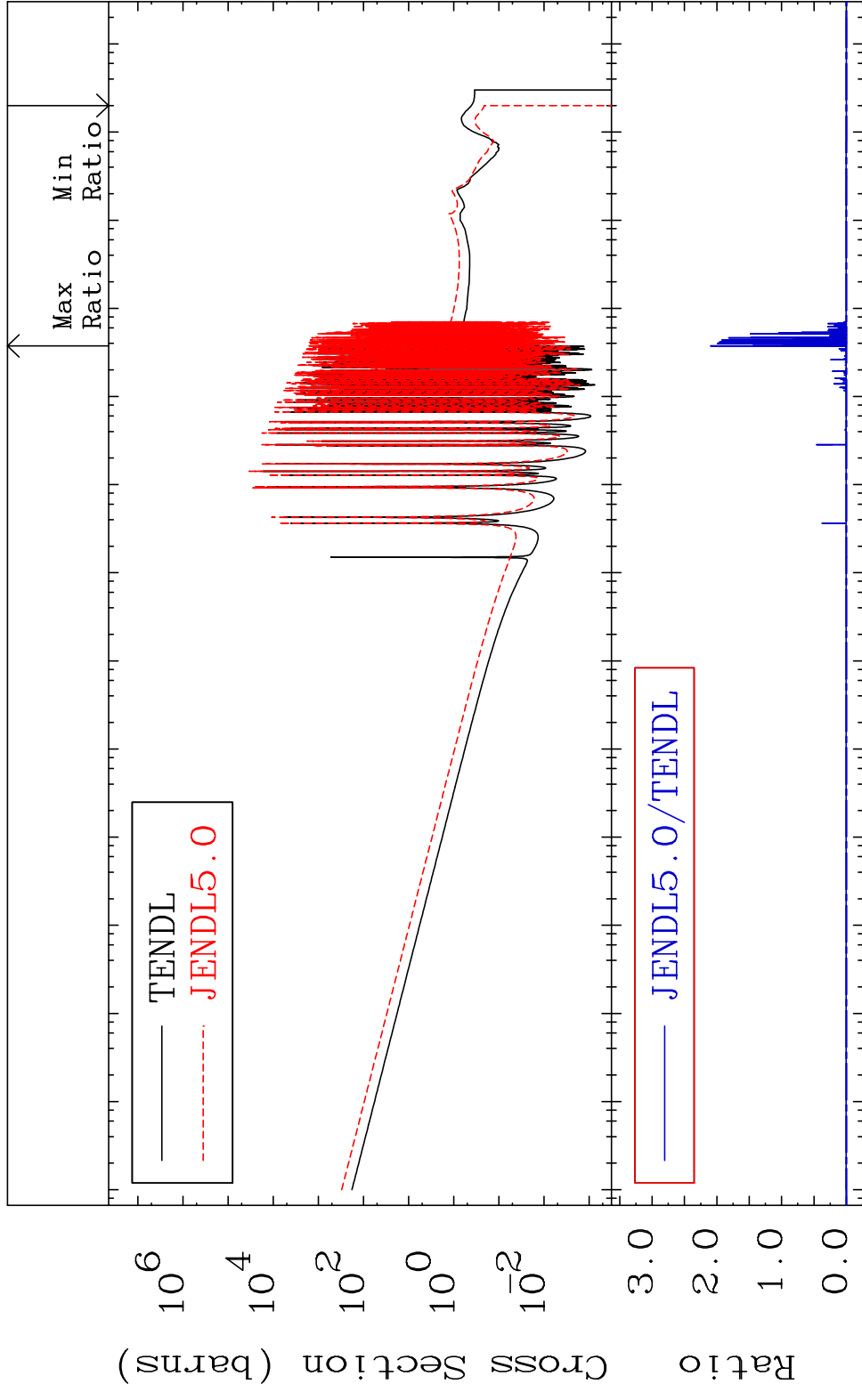


54 Incident Energy (eV) 50-Sn-120

MAT 5049 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-120
 Cross Section -9999. To 64.55 %

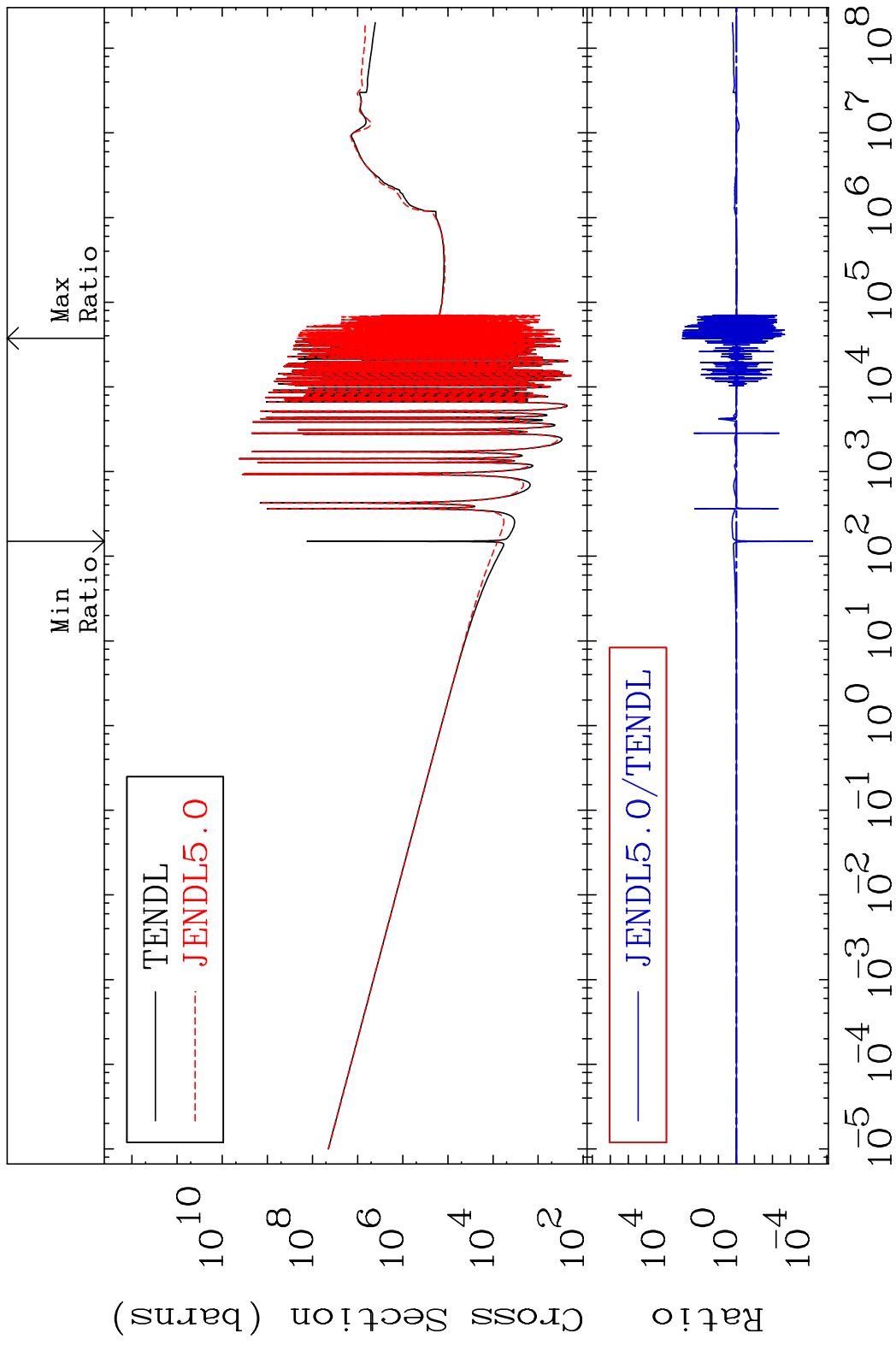


MAT 5049 Kerma capture (mt102) 50-Sn-120
 Cross Section -100.0 To 9999. %



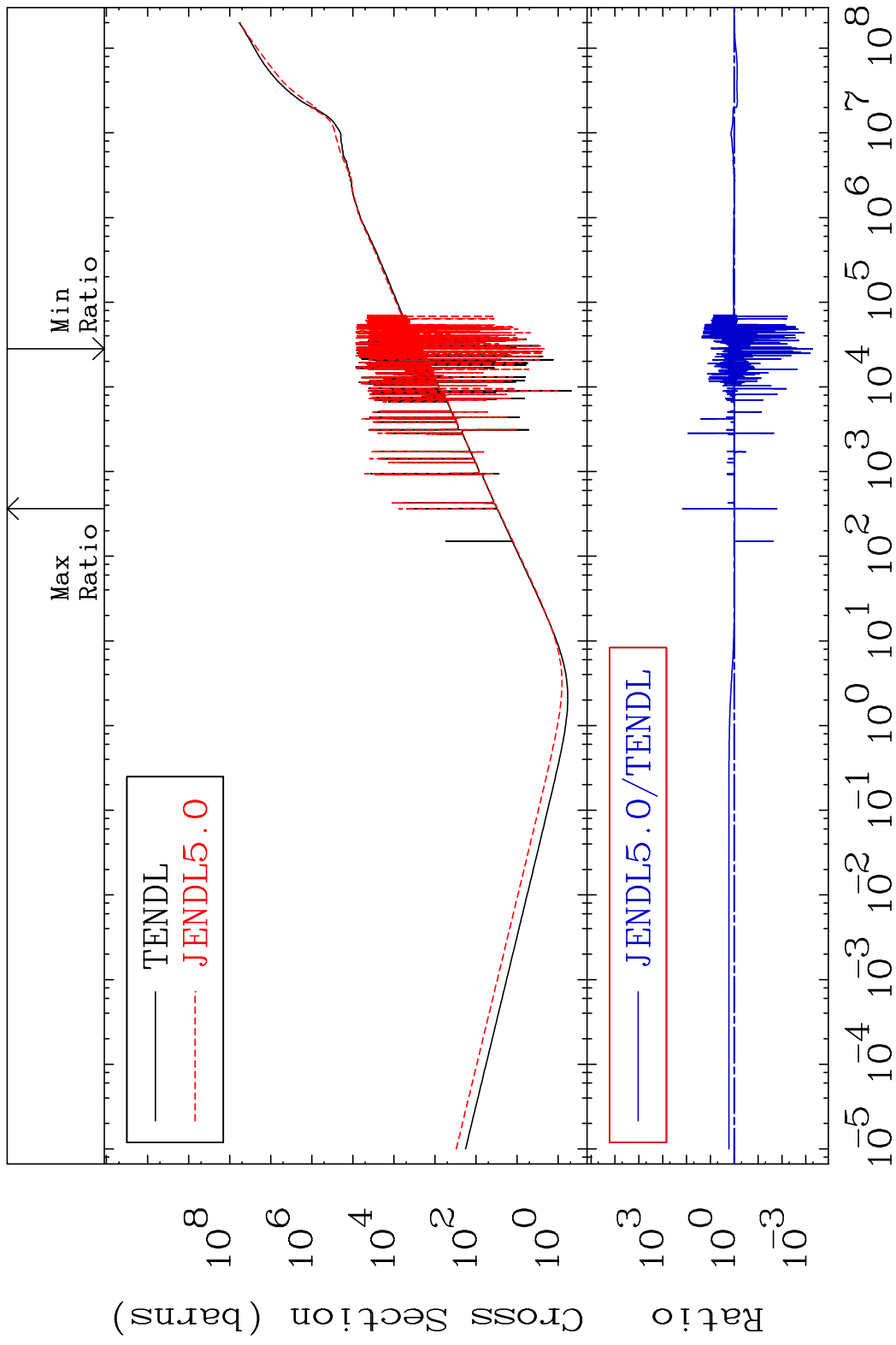
56 Incident Energy (eV) 50-Sn-120

MAT 5049 Total photon (eV-barns) 50-Sn-120
 Cross Section -99.99 To 9999. %

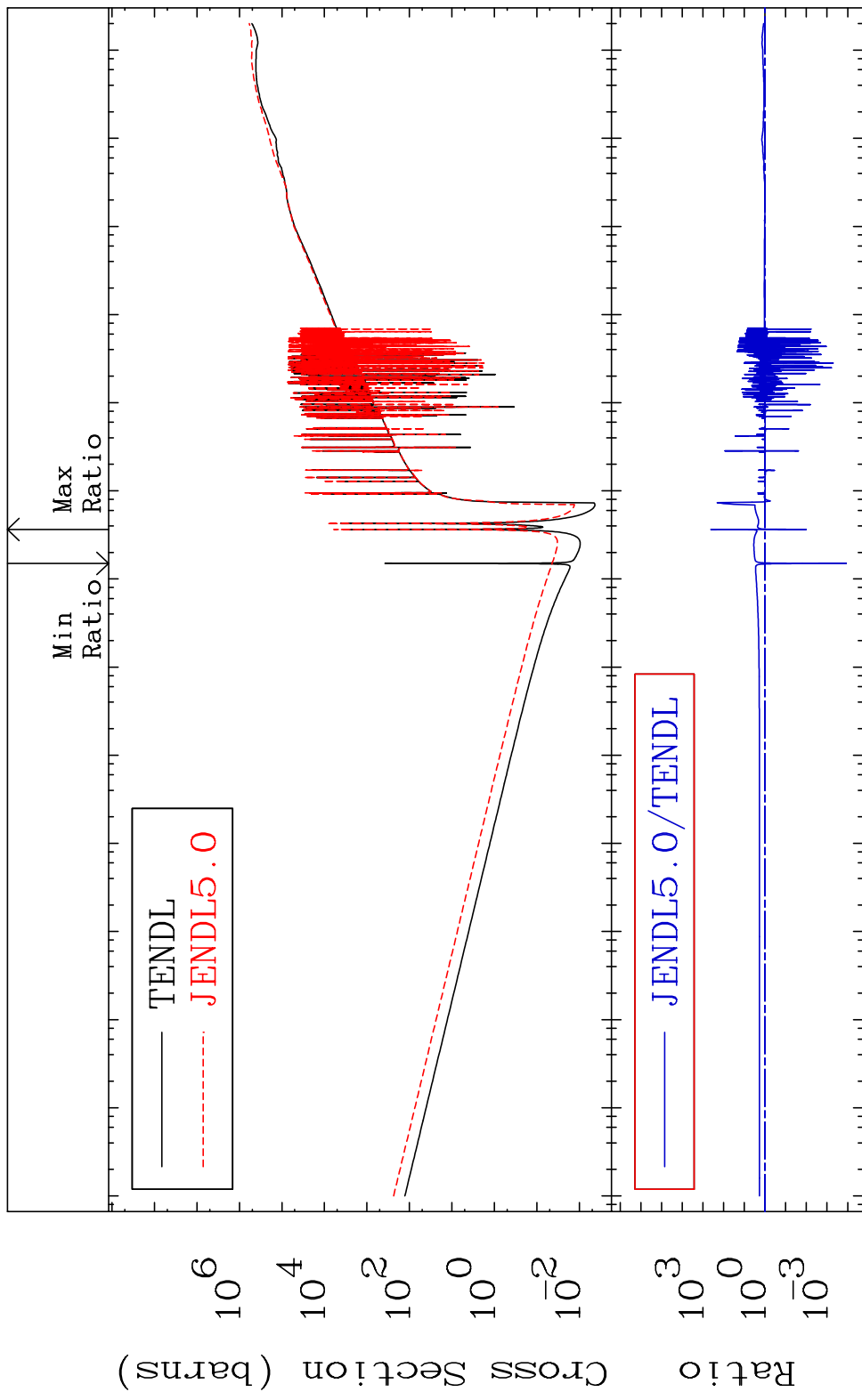


57 Incident Energy (eV) 50-Sn-120

MAT 5049 Total kinematic kerma (high limit) 50-Sn-120
 Cross Section -99.95 To 9999. %



MAT 5049 Dpa total (eV-barns) 50-Sn-120
 Cross Section -99.99 To 9999. %



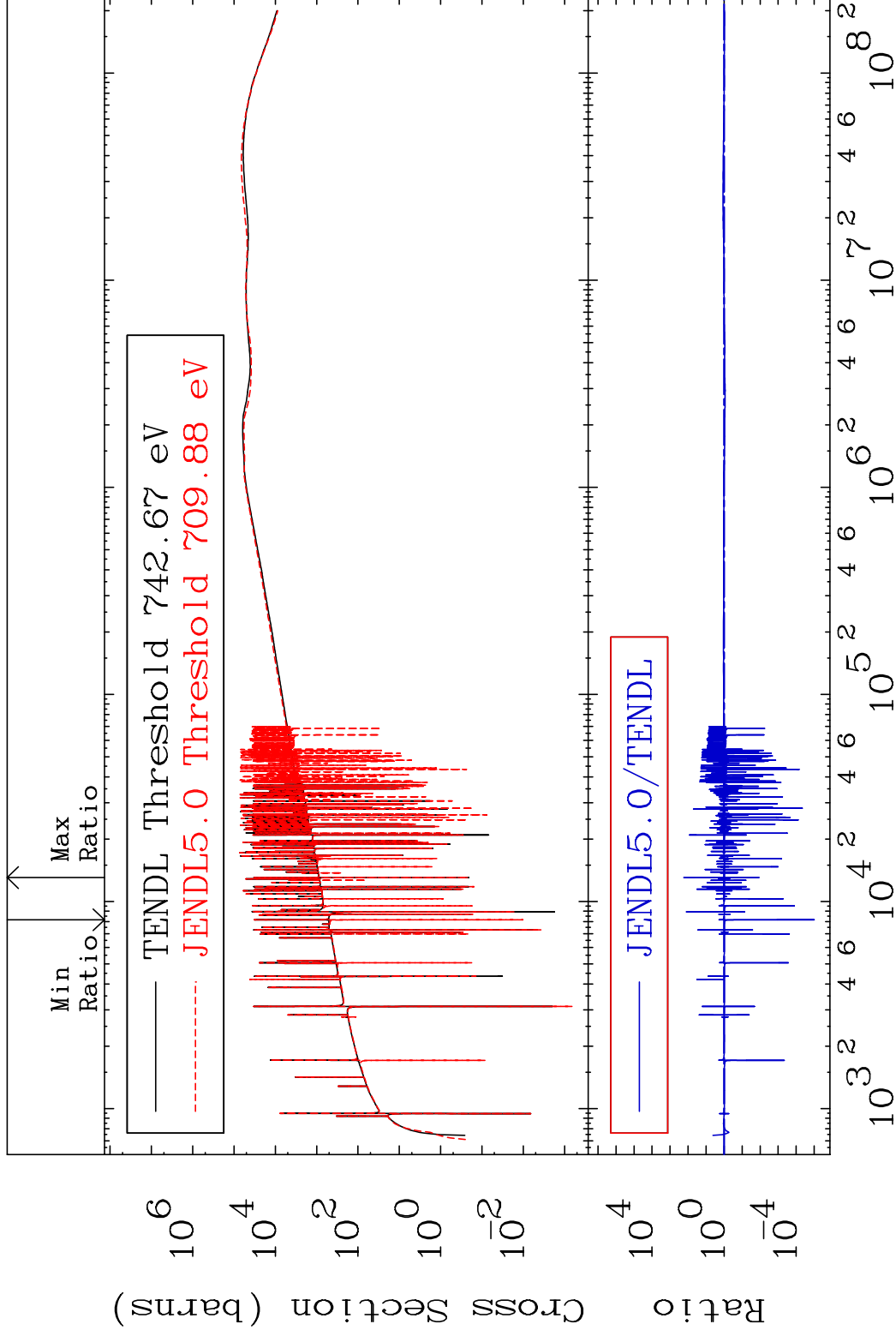
59 Incident Energy (eV) 50-Sn-120

MAT 5049

Dpa elastic (mt2)

50-Sn-120

Cross Section -100.0 To 9999. %

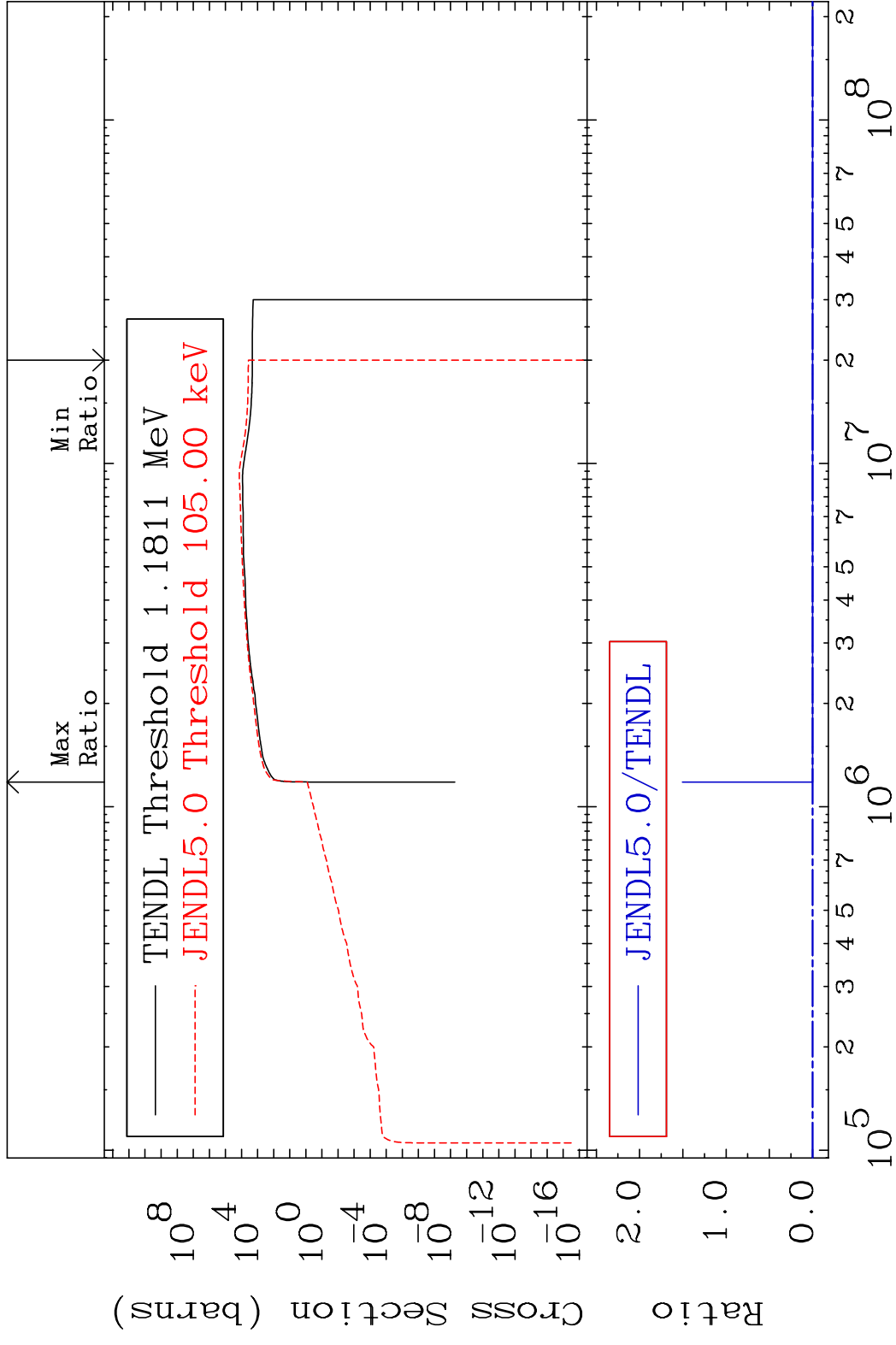


60

Incident Energy (eV)

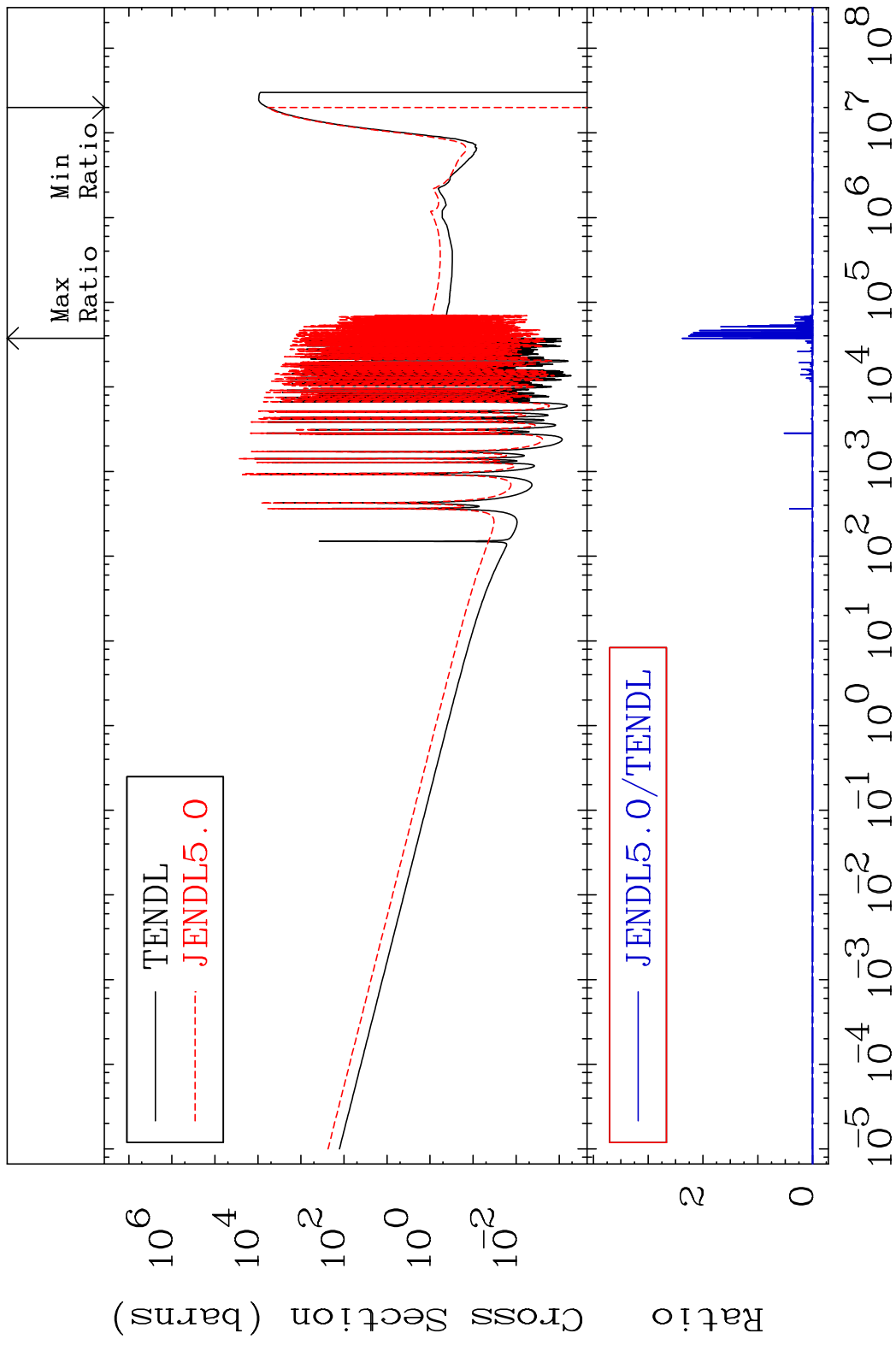
50-Sn-120

MAT 5049 Dpa inelastic (mt51-91) 50-Sn-120
 Cross Section -100.0 To 9999. %

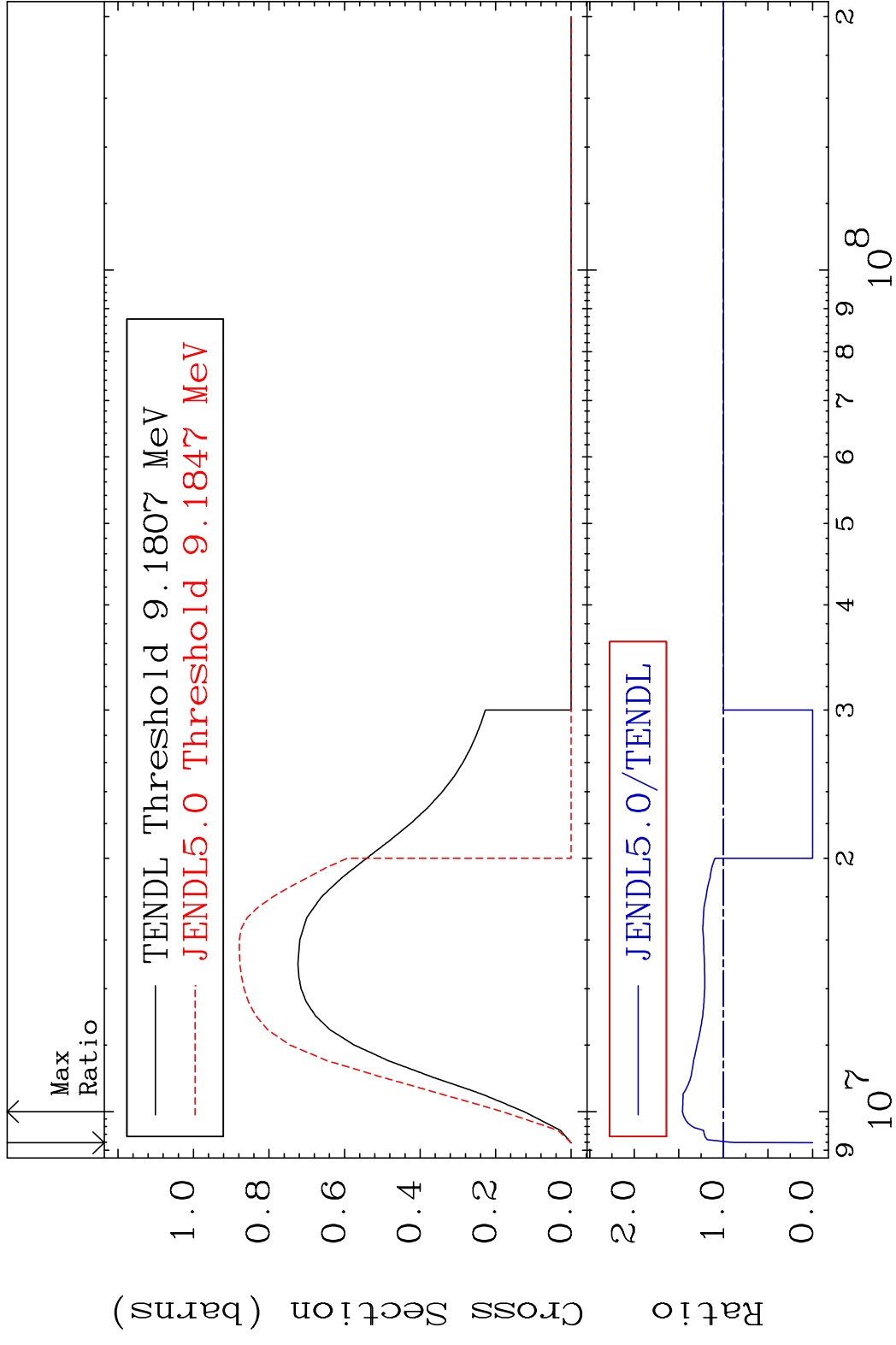


61 Incident Energy (eV) 50-Sn-120

MAT 5049 Dpa disappearance (mt102 -120) 50-Sn-120
 Cross Section -100.0 To 9999. %

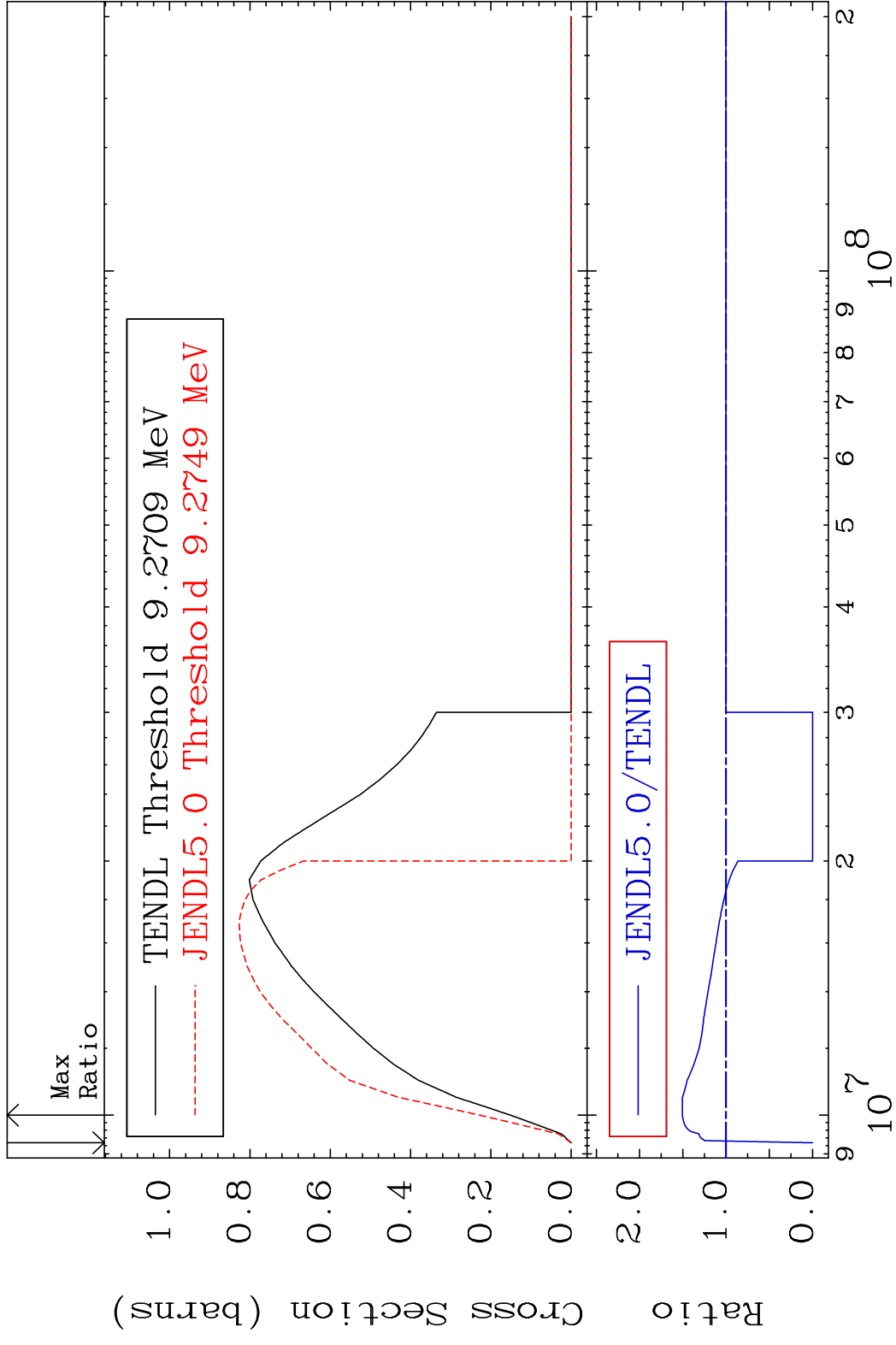


MAT 5049 (n,2n):50-Sn-119g 50-Sn-120
 Radionuclide Production Cross Section 180.01 dth 46.07 %

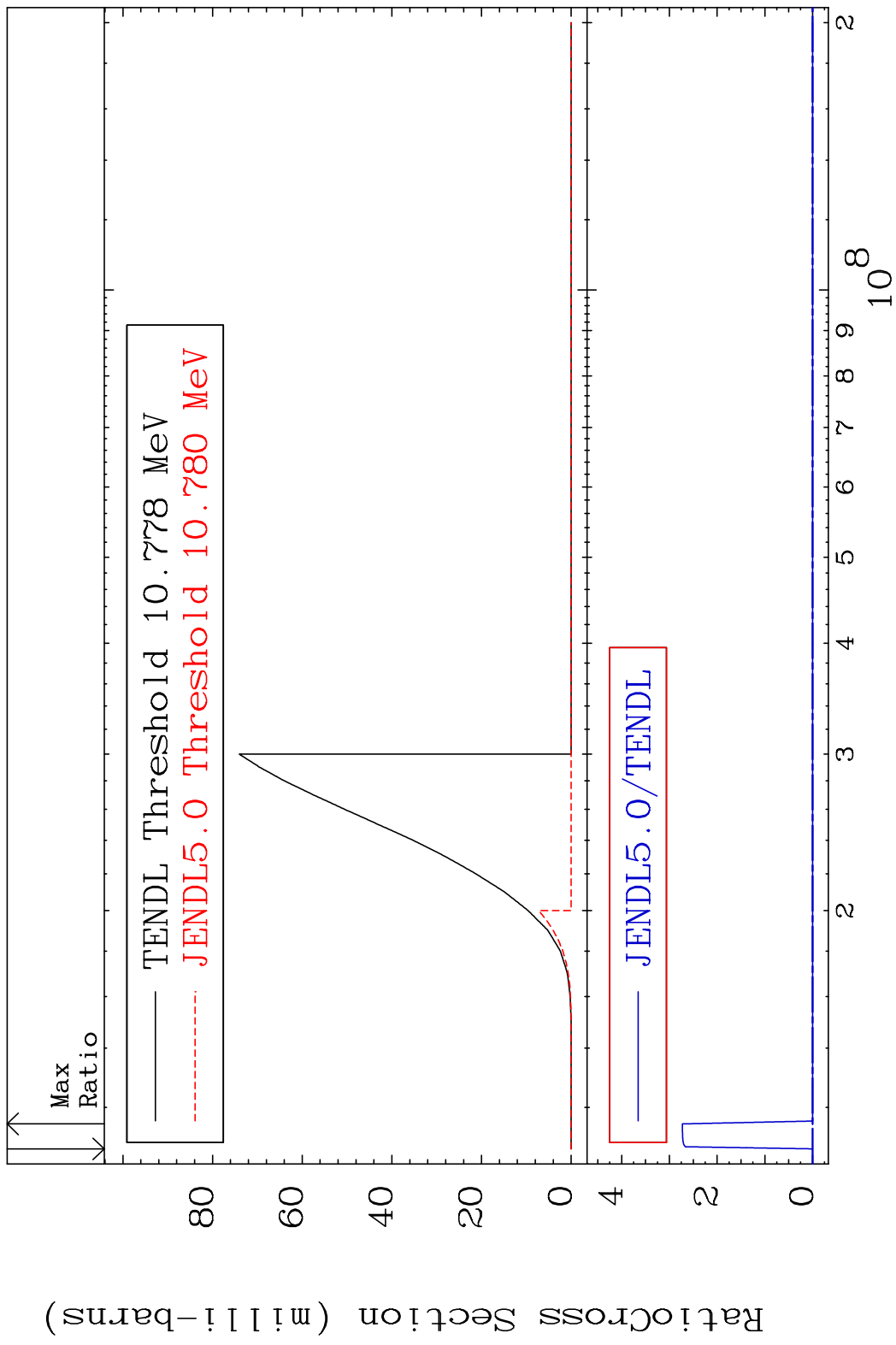


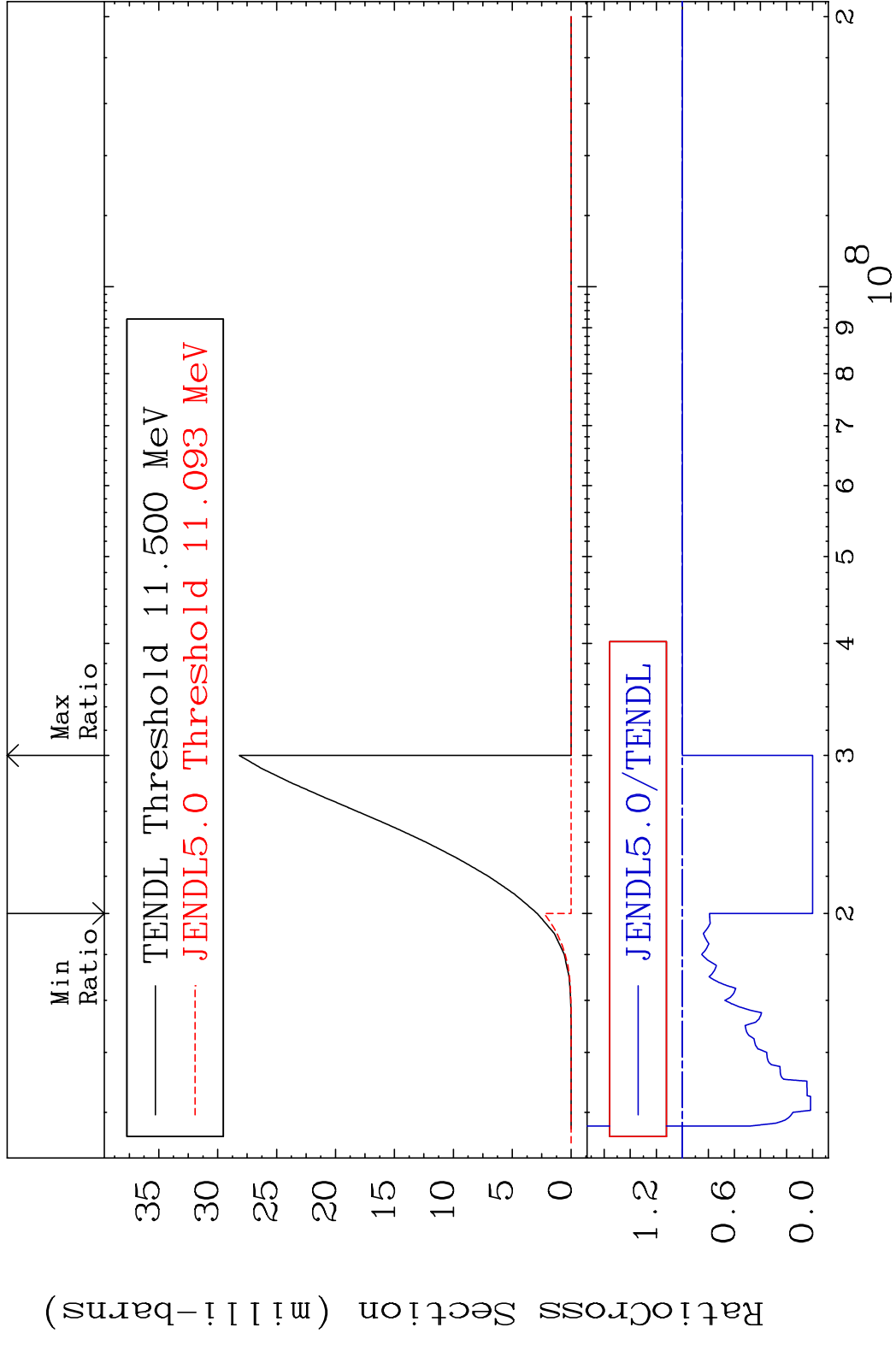
63 Incident Energy (eV) 50-Sn-120

MAT 5049 (n,2n):50-Sn-119m2 50-Sn-120
 Radionuclide Production Cross Section 180.01 dth 50.53 %

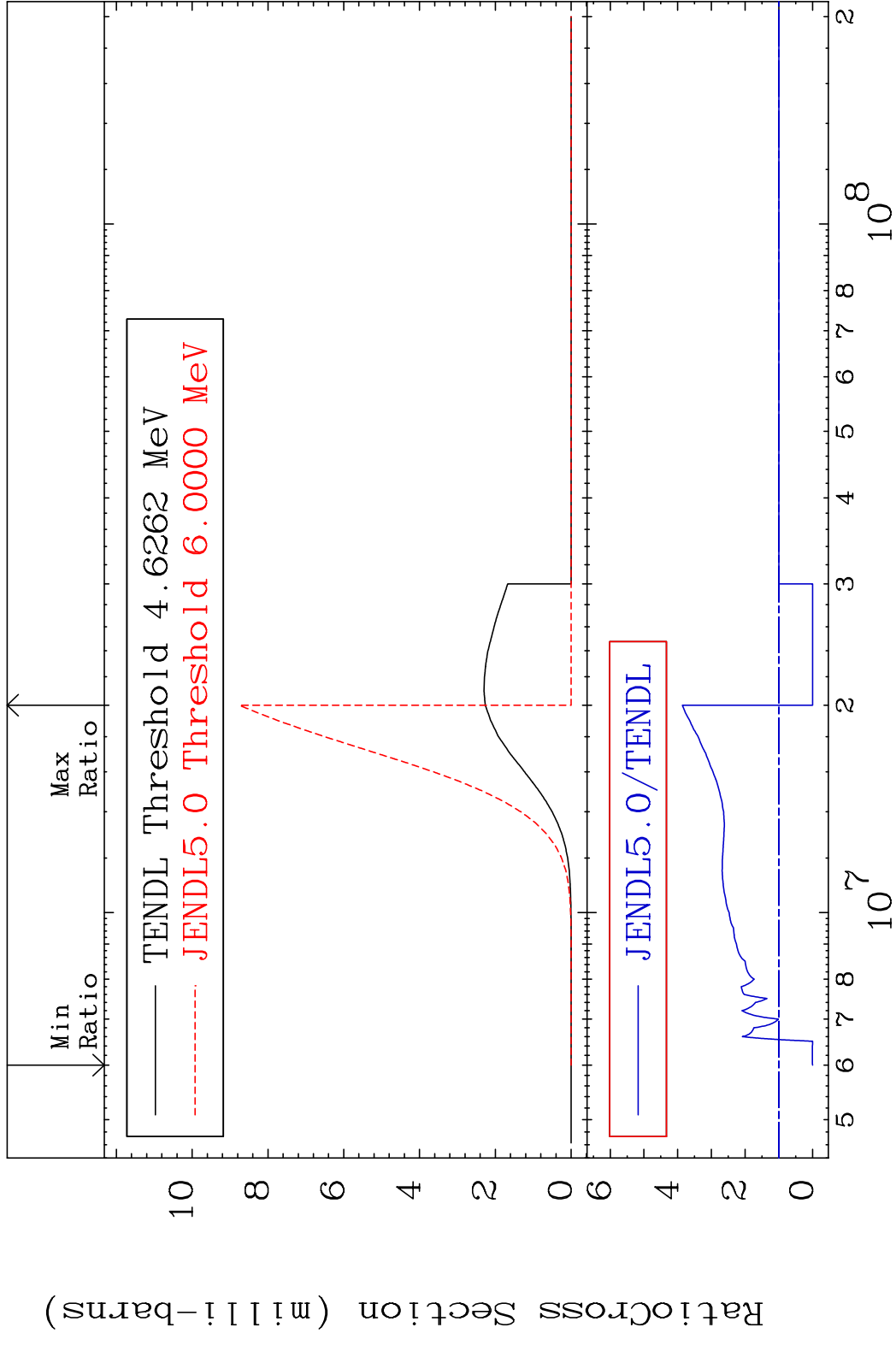


MAT 5049 (n, n') p:49-In-119g 50-Sn-120
 Radionuclide Production Cross Section 100.00 %
 100.00 %

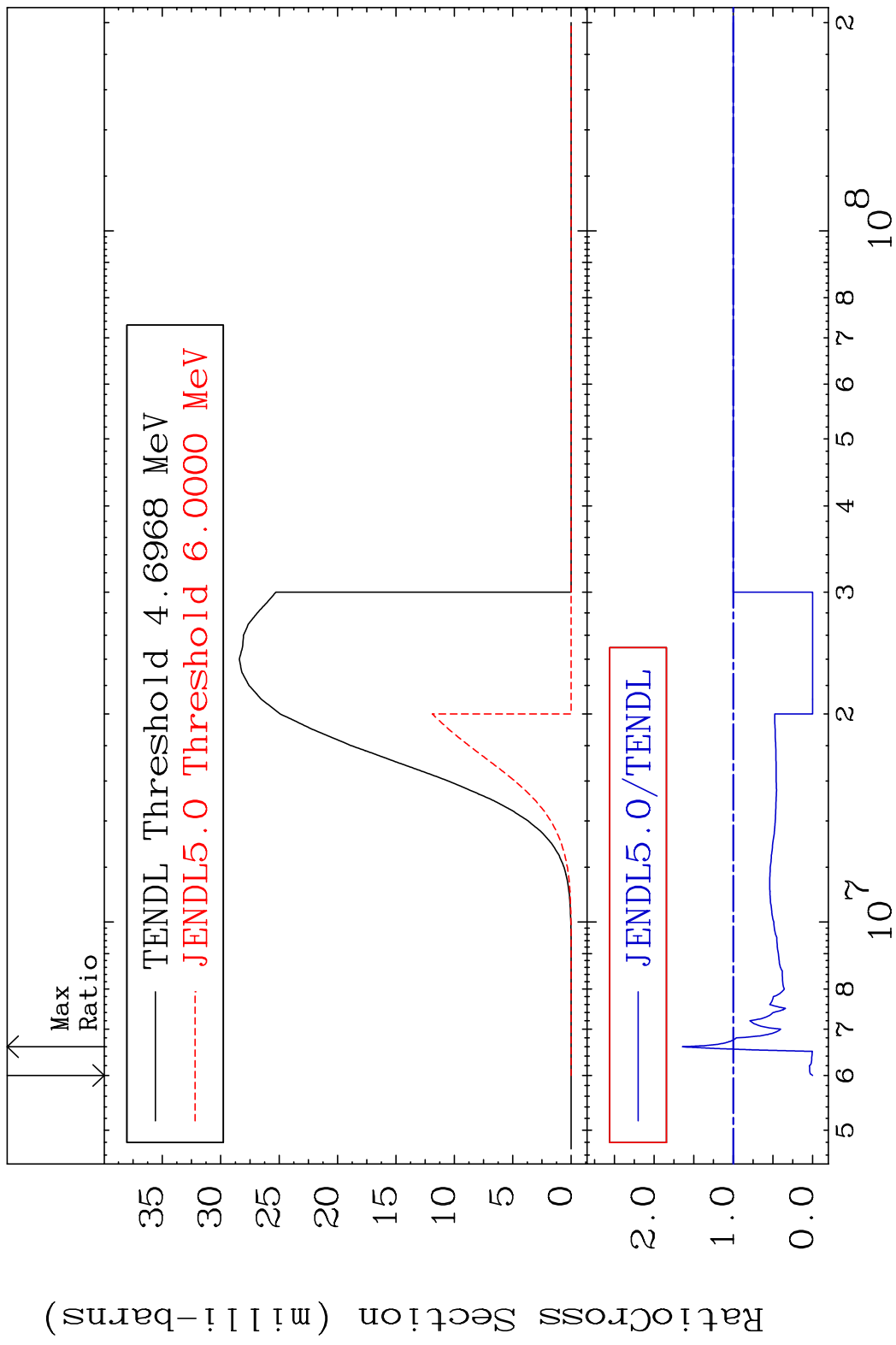




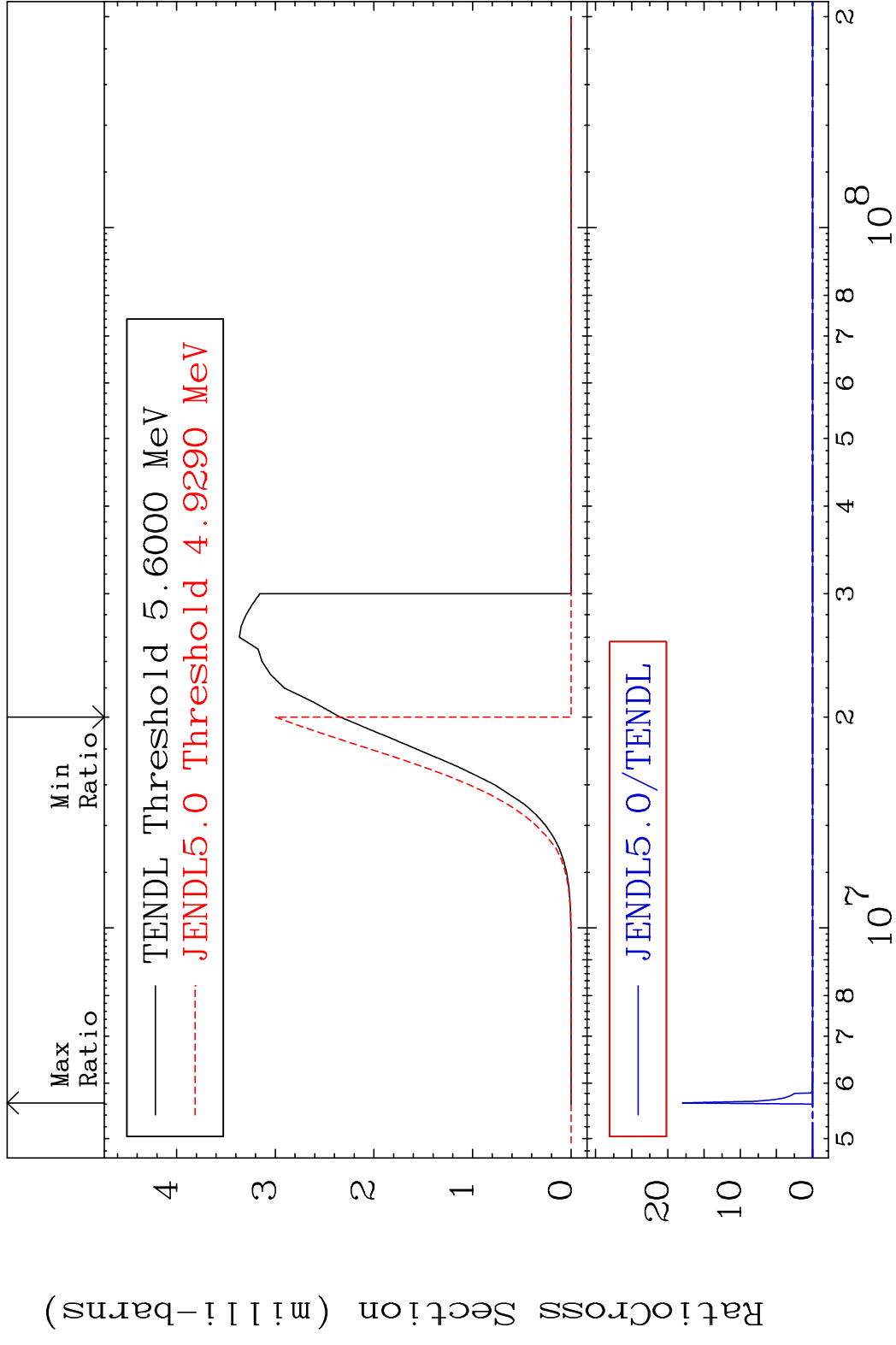
MAT 5049 (n,p):49-In-120g 50-Sn-120
 Radionuclide Production Cross Section 180.01 dth 286.1 %



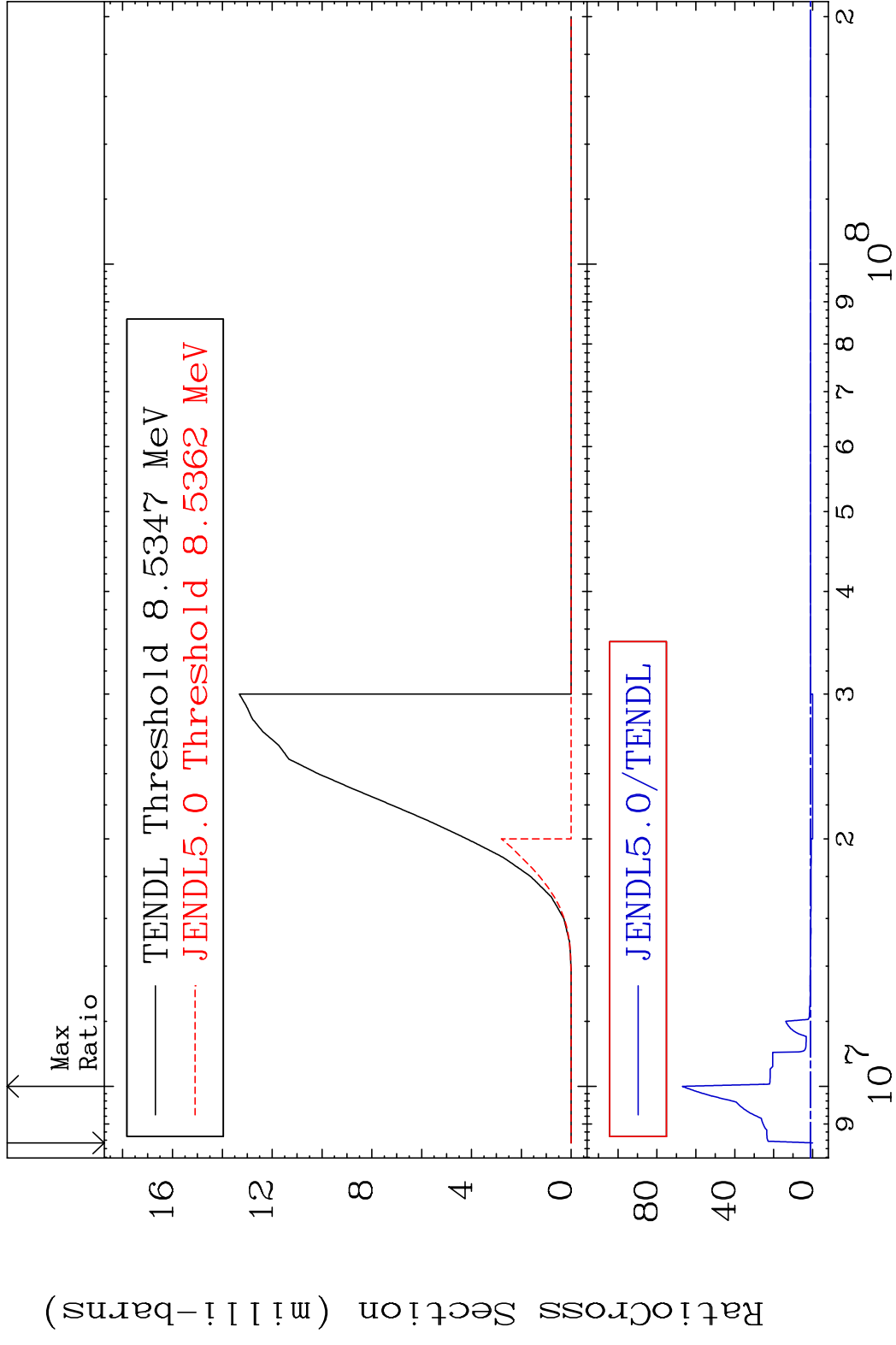
MAT 5049 (n, p): 49-In-120m1 50-Sn-120
 Radionuclide Production Cross Section Ratio 64.32 %



MAT 5049 (n, p): 49-In-120m2 50-Sn-120
 Radionuclide Production Cross Section Ratio

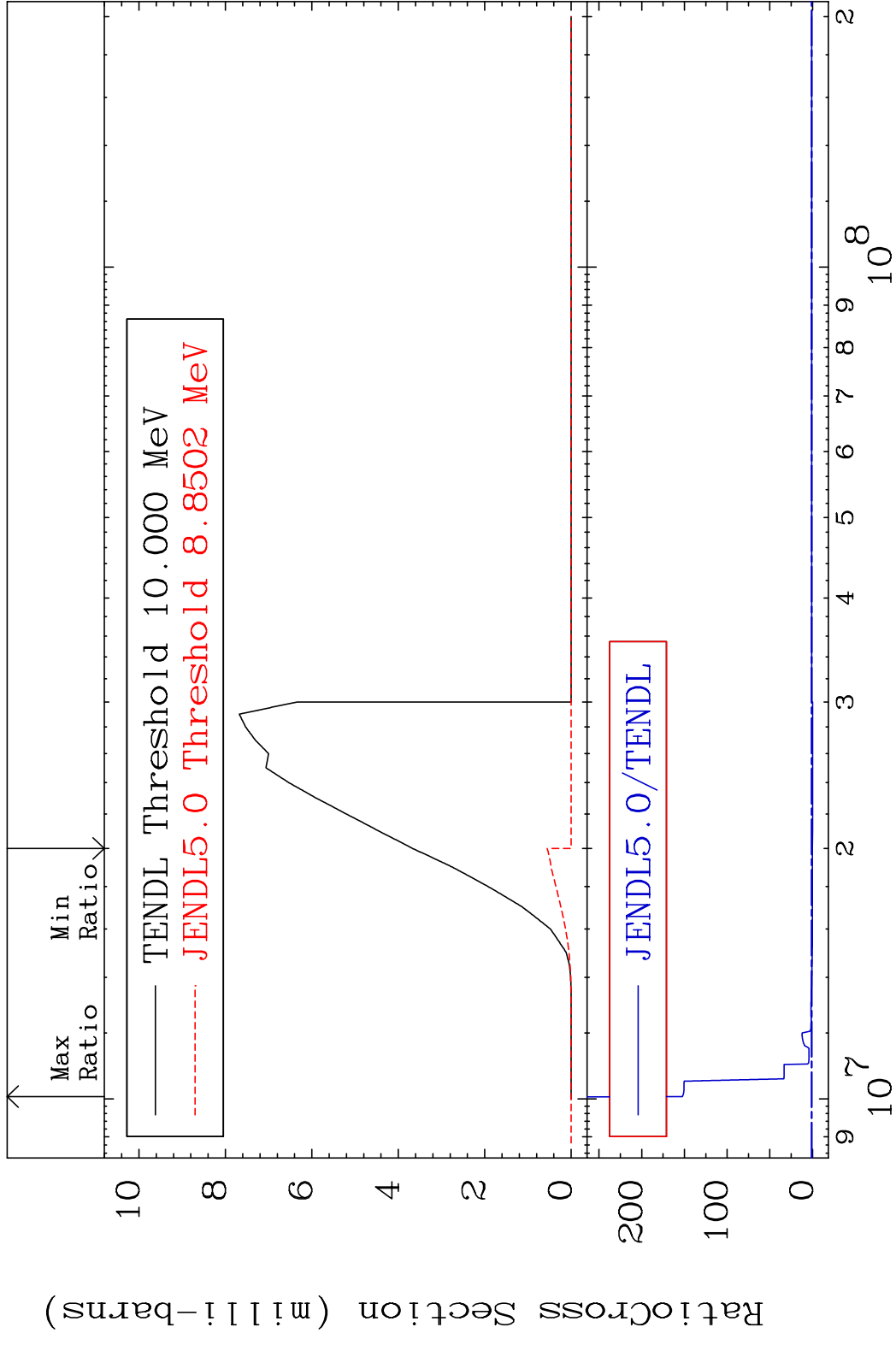


MAT 5049 (n,d):49-In-119g 50-Sn-120
 Radionuclide Production Cross Section 180.01 dth 6593. %

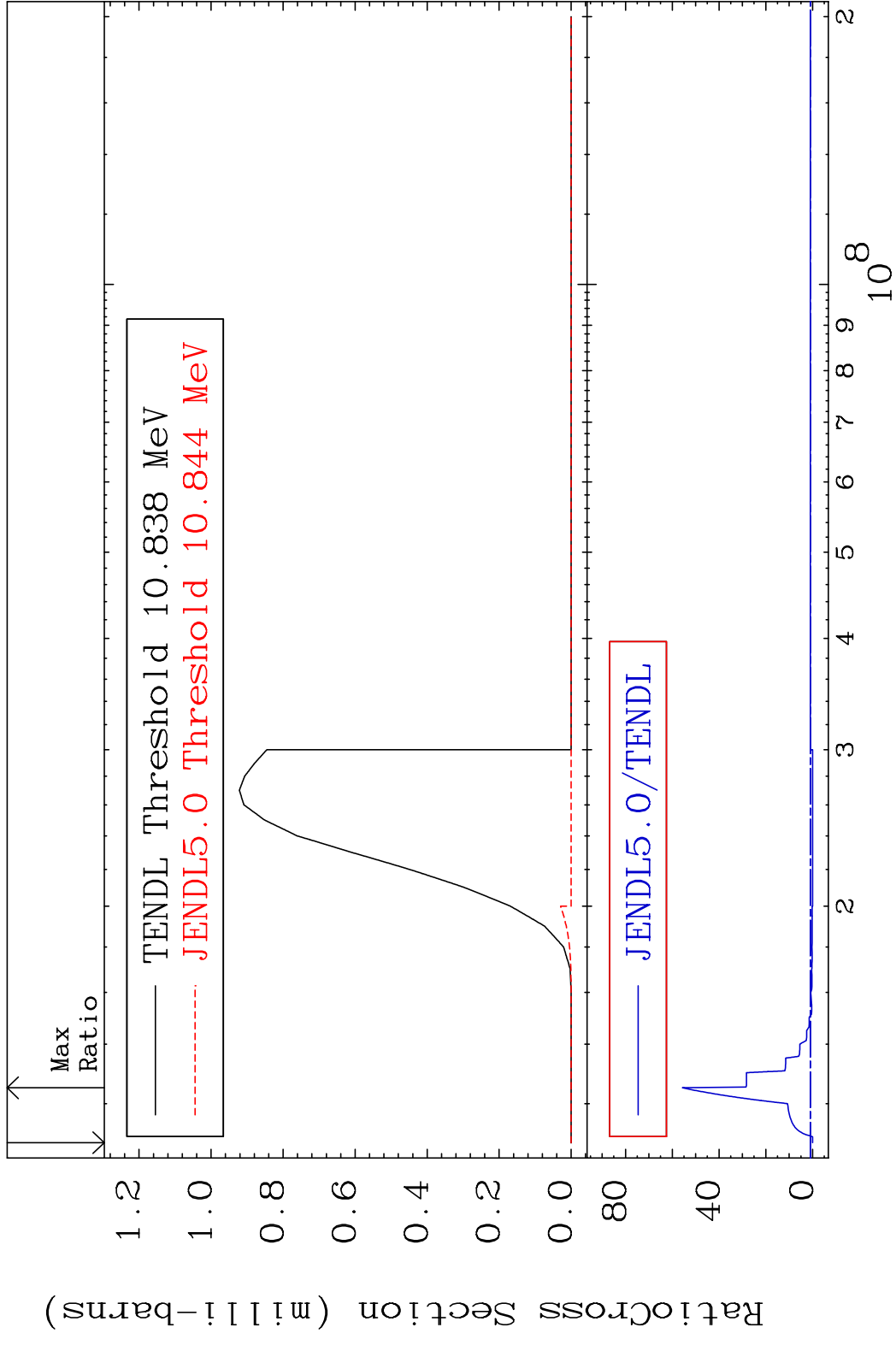


70 Incident Energy (eV) 50-Sn-120

MAT 5049 (n, d):49-In-119m1 50-Sn-120
 Radionuclide Production Cross Section to 9999. %



MAT 5049 (n,t):49-In-118g 50-Sn-120
 Radionuclide Production Cross Section 1800 dth 5469. %



MAT 5049 (n, t): 49-In-118m1 50-Sn-120
 Radionuclide Production Cross Section Ratio 6365. %

