

Program Complot
(Version 2021-1)

by

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U.S.A.

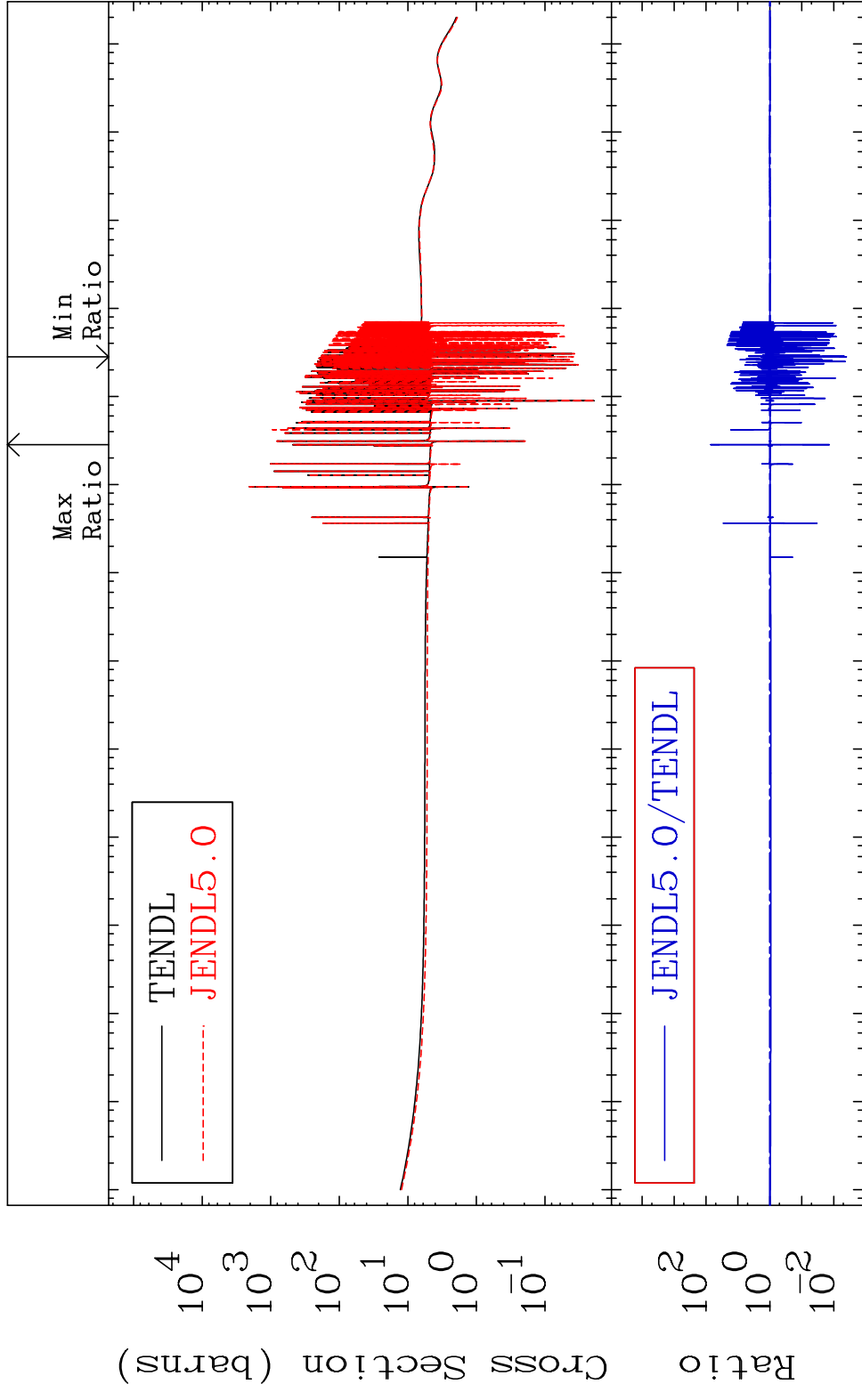
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5049

Total Cross Section
50-Sn-120
-99.60 To 7030. %



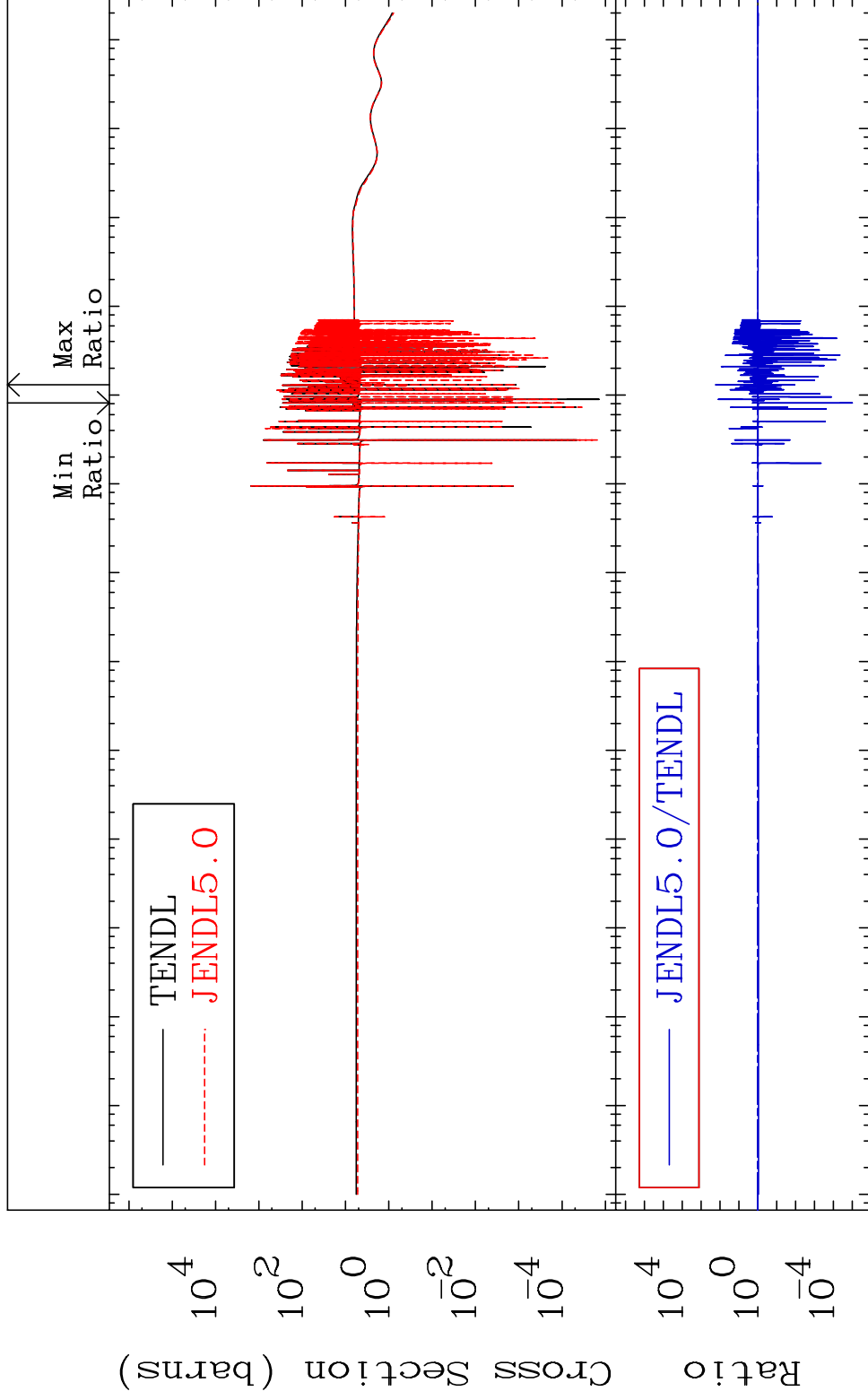
1 50-Sn-120

MAT 5049

Elastic

50-Sn-120

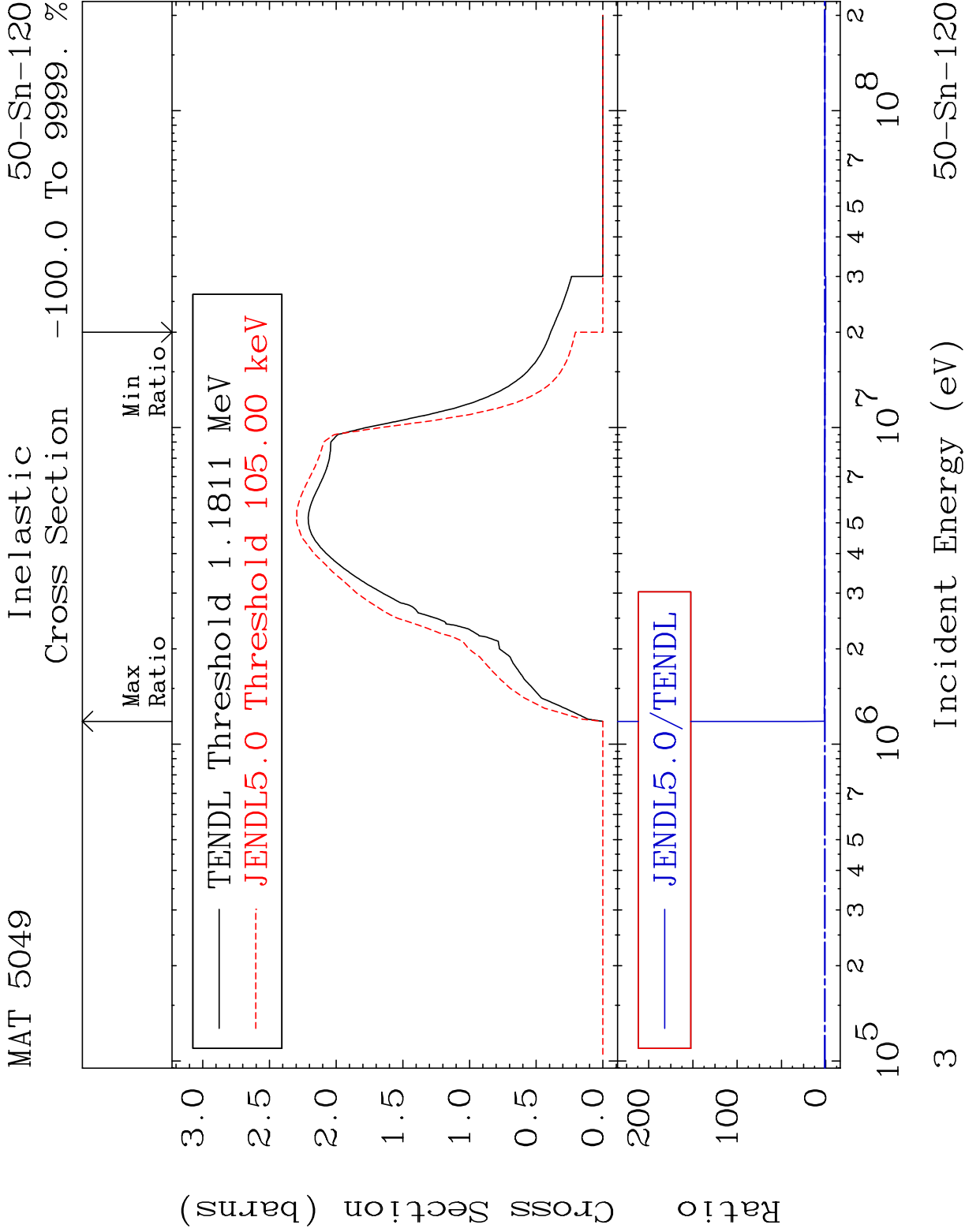
Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

50-Sn-120



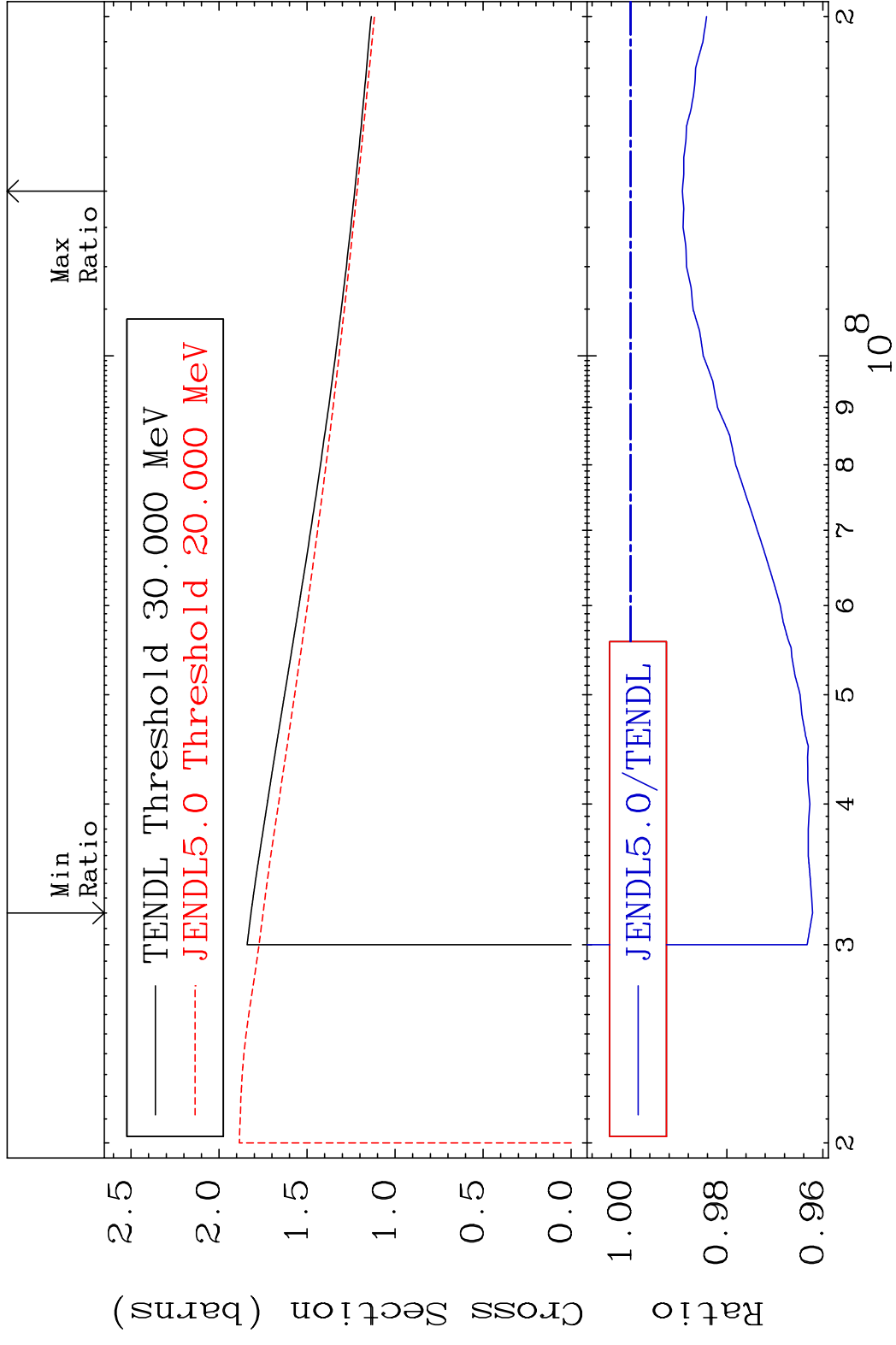
MAT 5049

(n, remainder)

50-Sn-120

Cross Section

-3.784 To -1.076%



4

Incident Energy (eV)

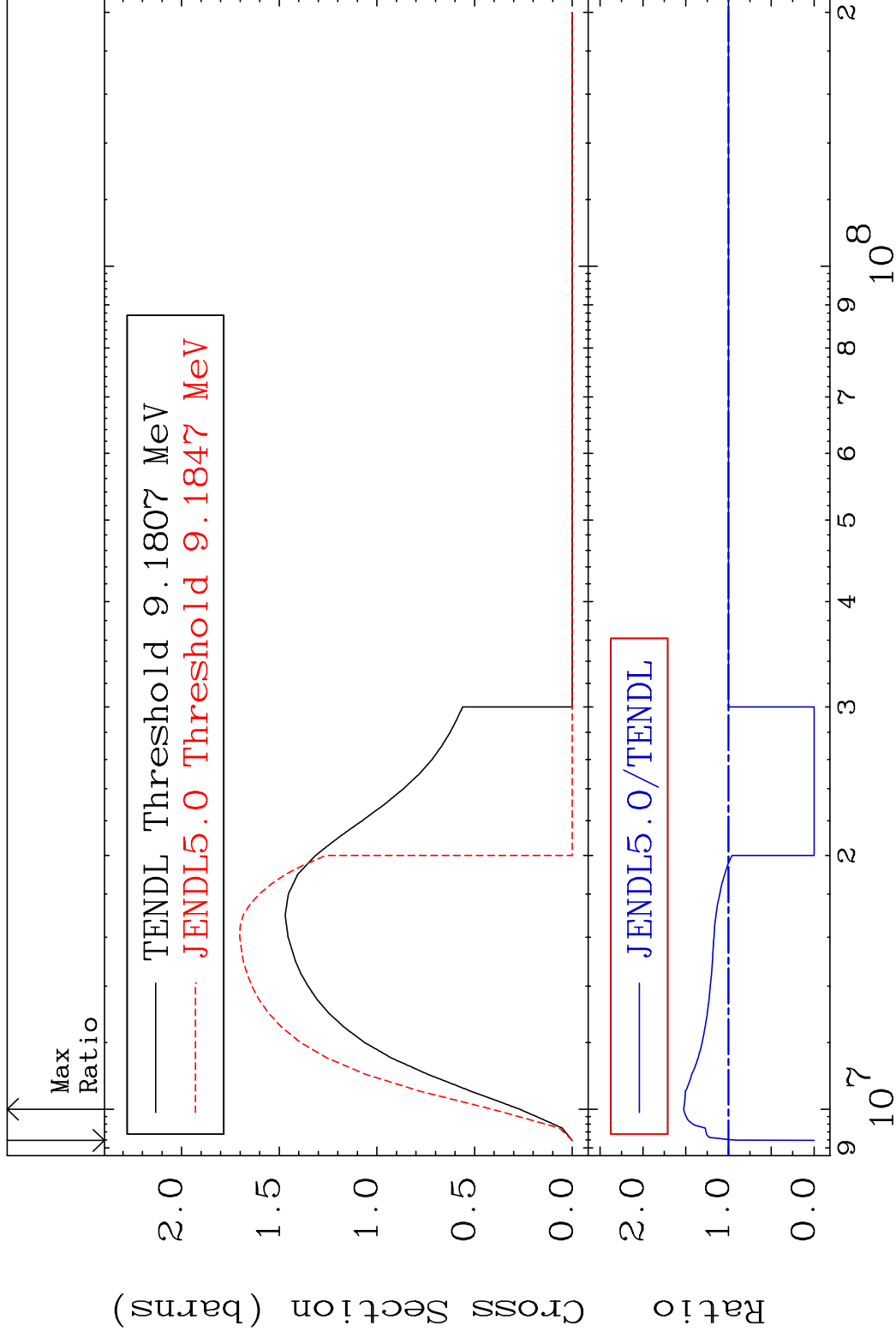
50-Sn-120

MAT 5049

(n,2n)

50-Sn-120

Cross Section -100.0 To 52.41 %

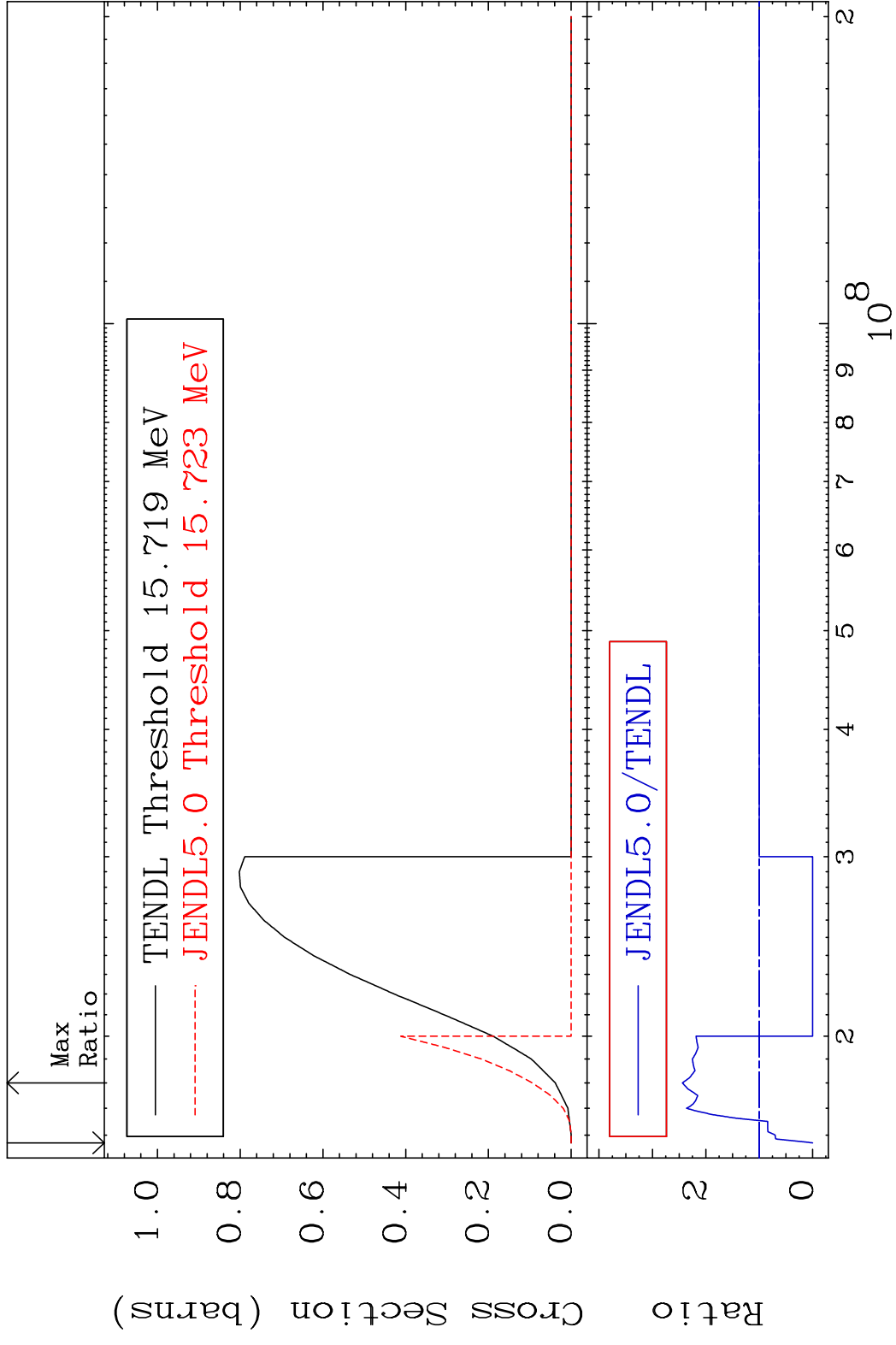


5

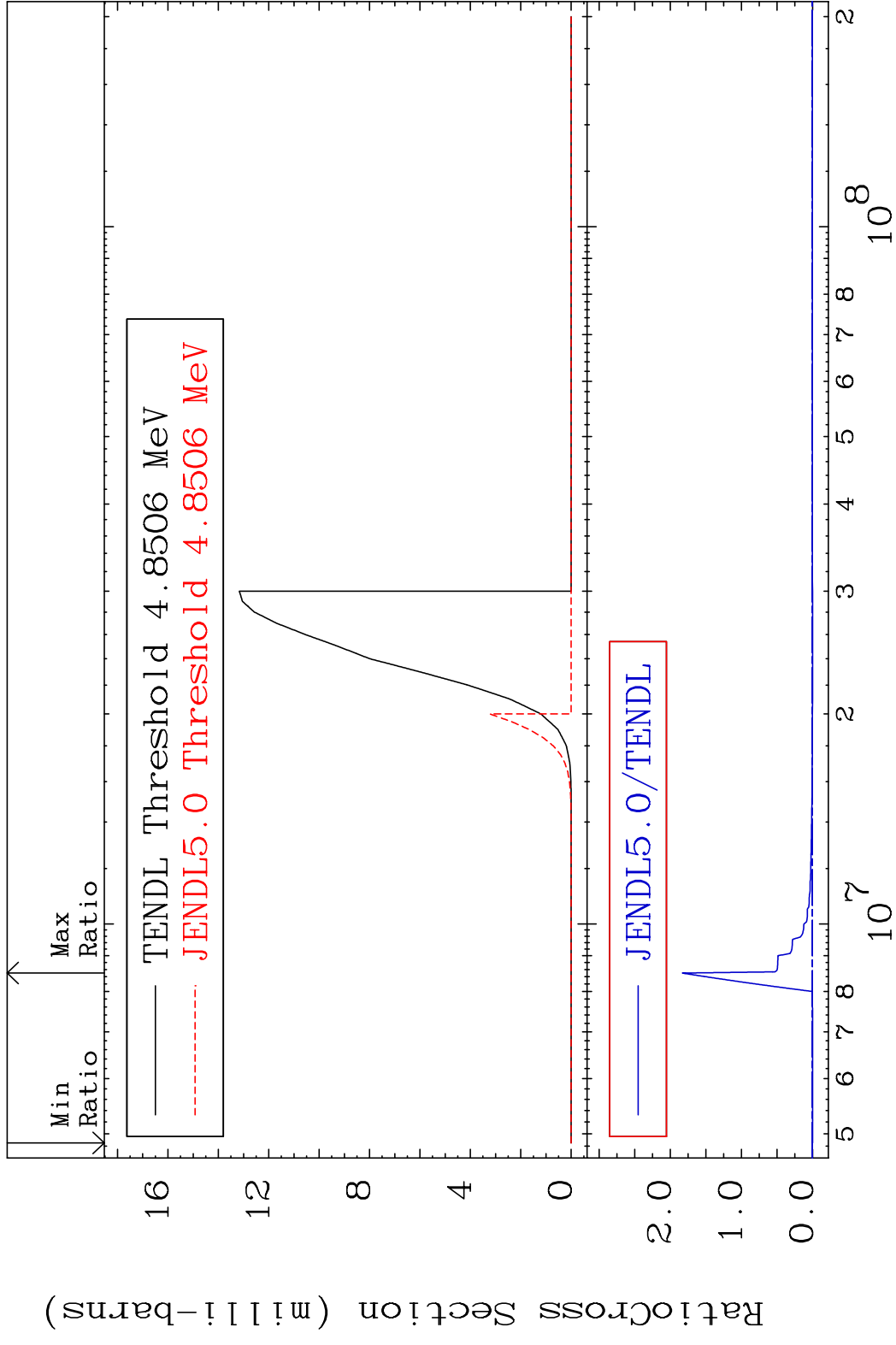
Incident Energy (eV)

50-Sn-120

MAT 5049 (n,3n) 50-Sn-120
 Cross Section -100.0 To 143.9 %

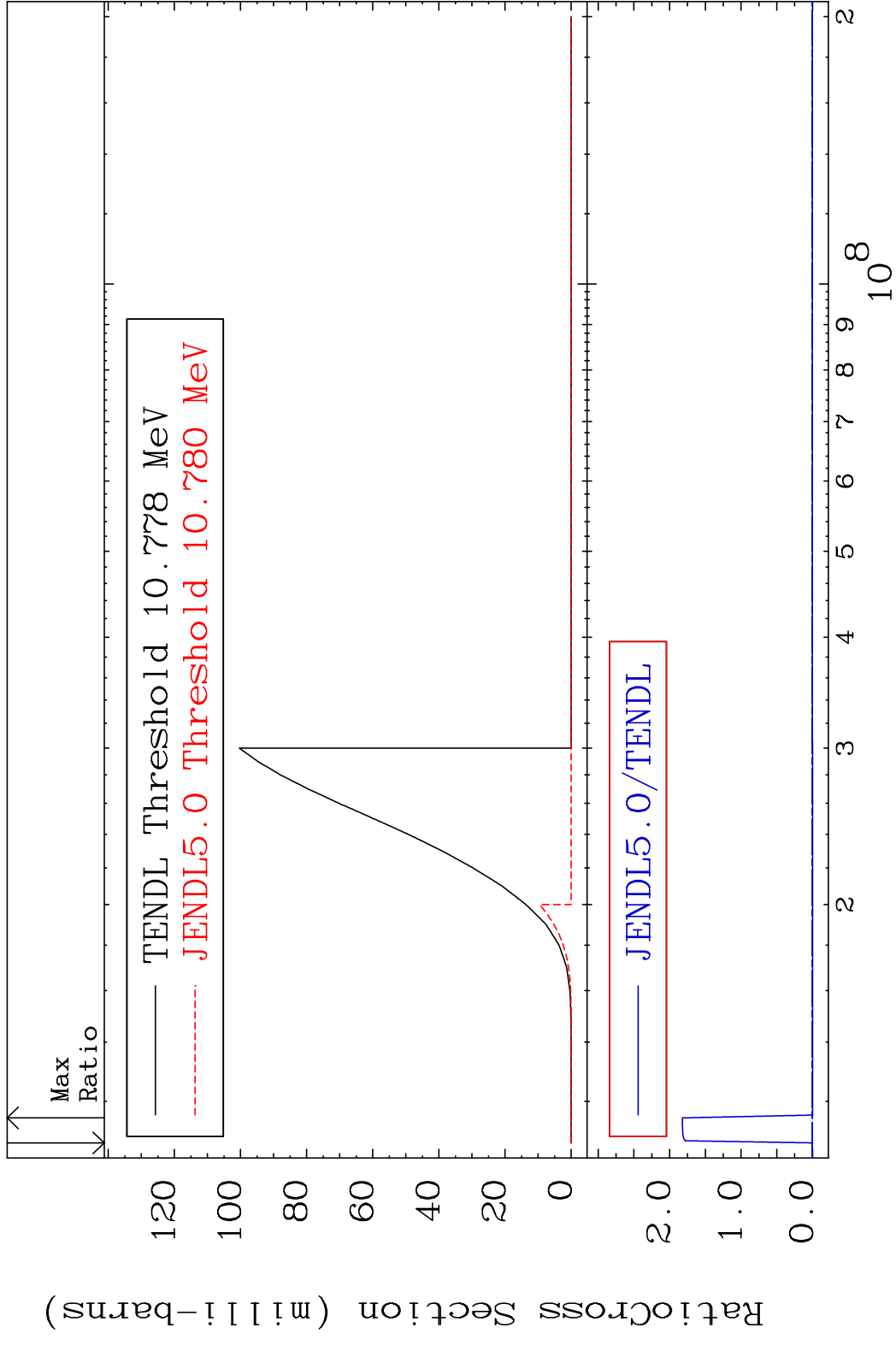


MAT 5049 (n, n') α 50-Sn-120
 Cross Section -100.0 To 9999. %

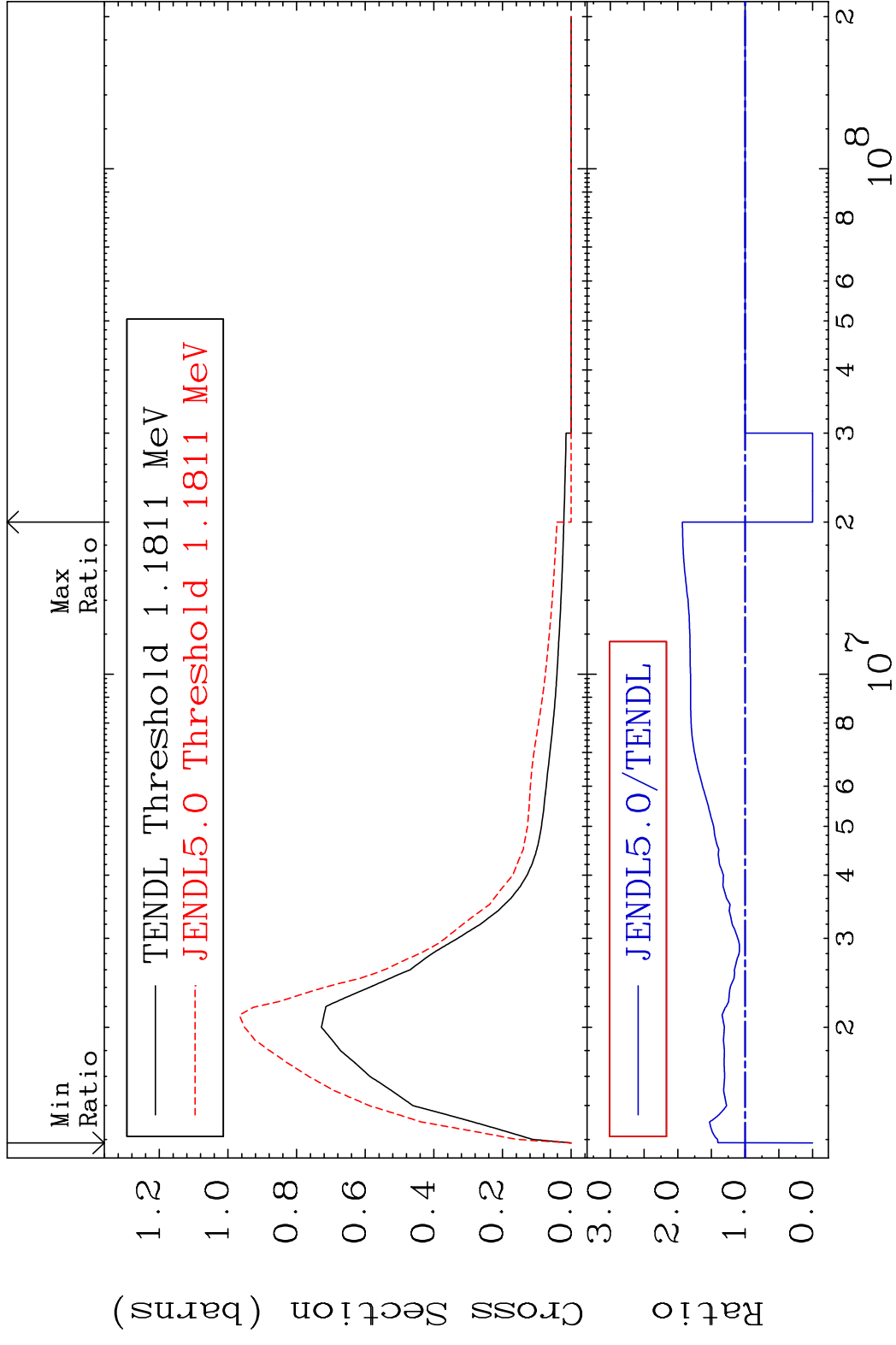


7 Incident Energy (eV) 50-Sn-120

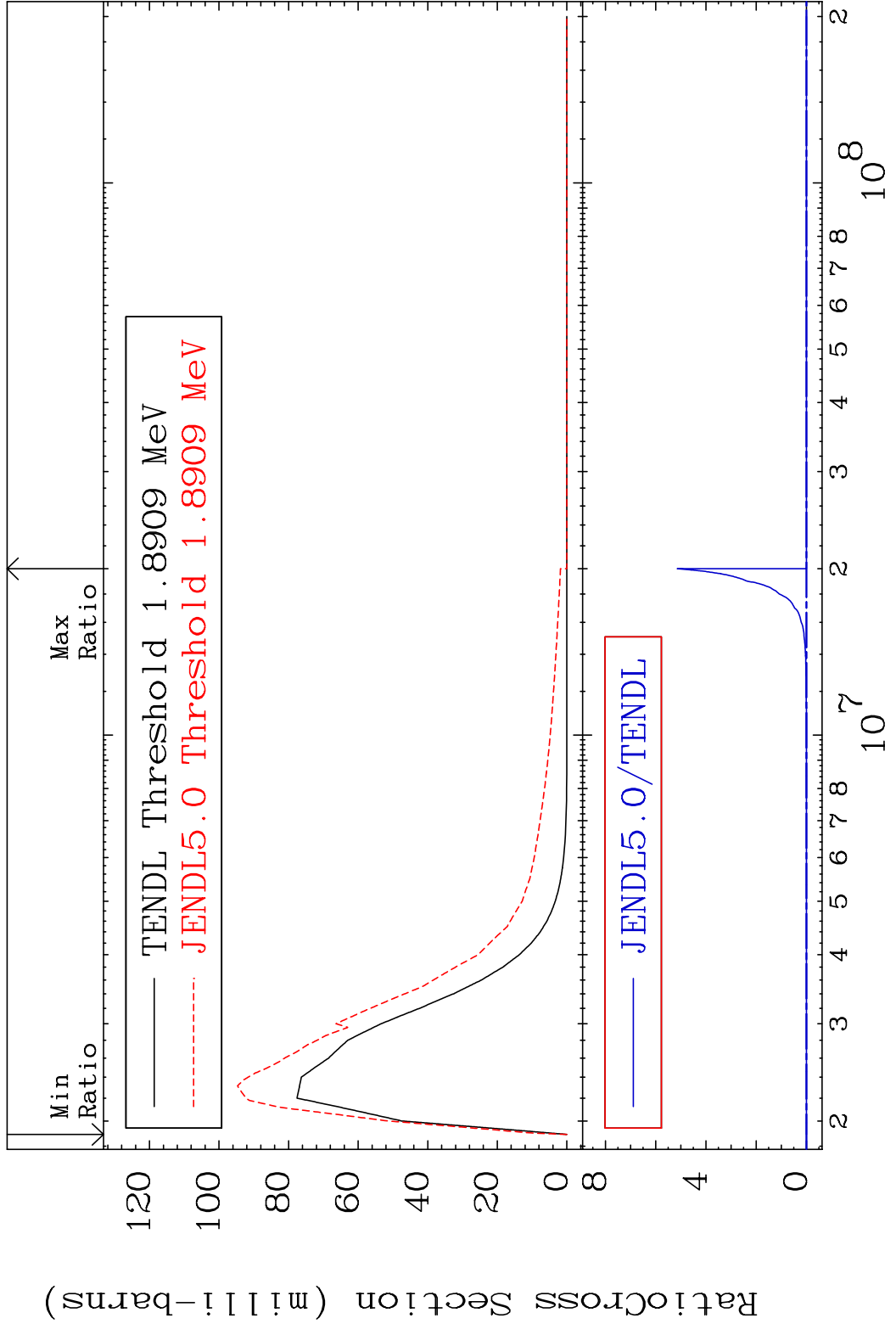
MAT 5049 (n, n') p 50-Sn-120
 Cross Section -100.0 To 9999. %



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

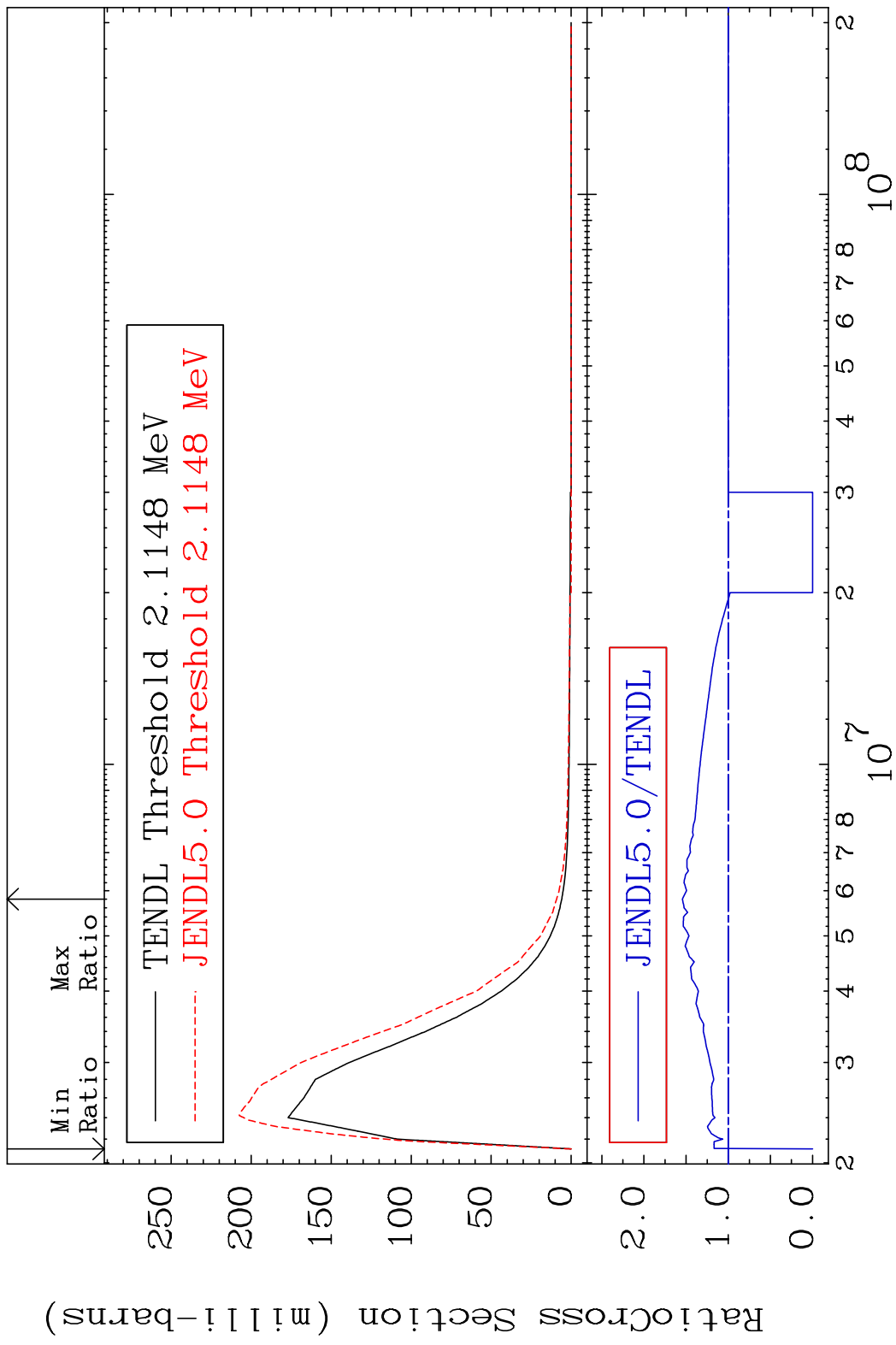


MAT 5049 MT= 52 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %

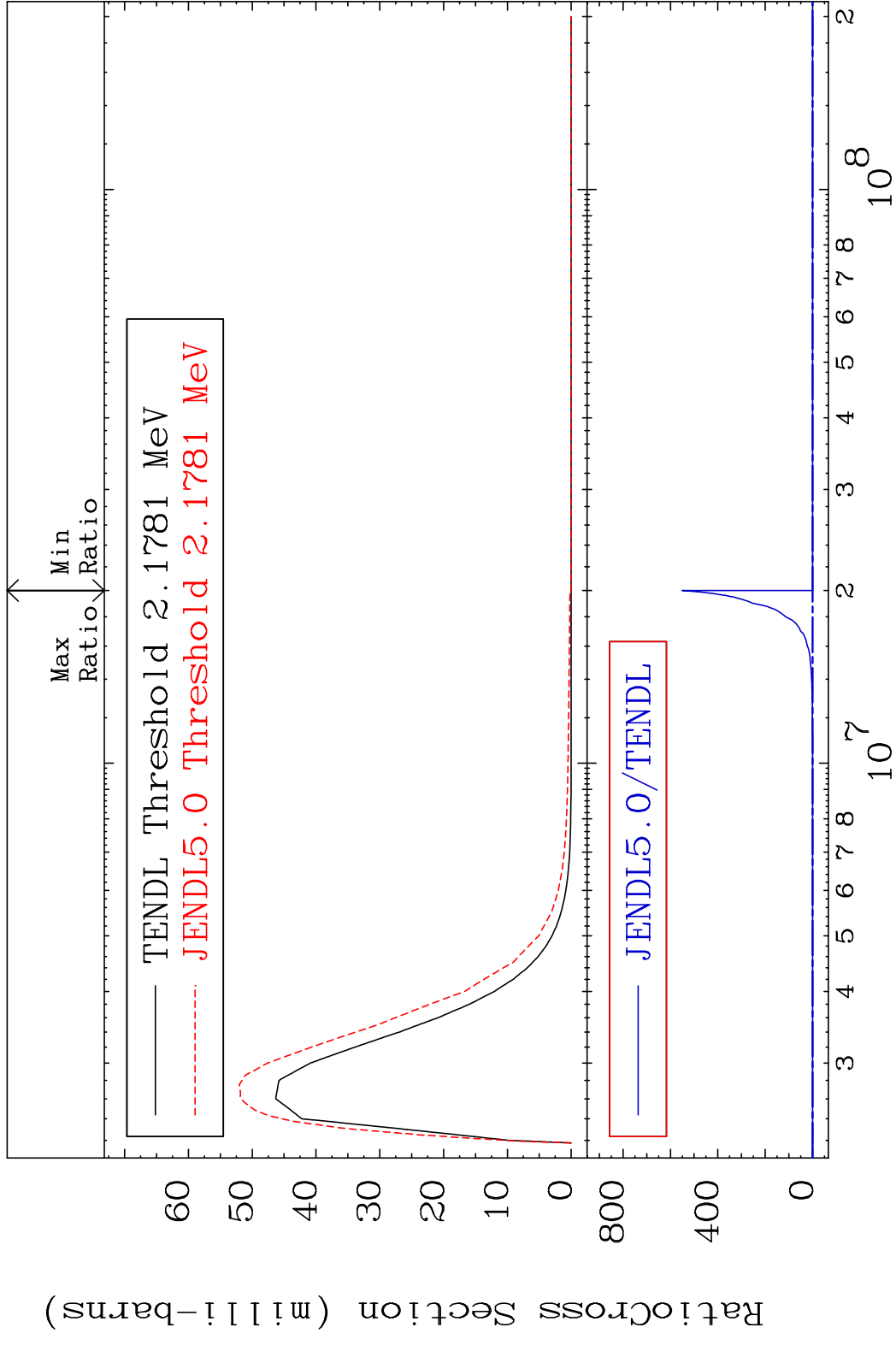


10 Incident Energy (eV) 50-Sn-120

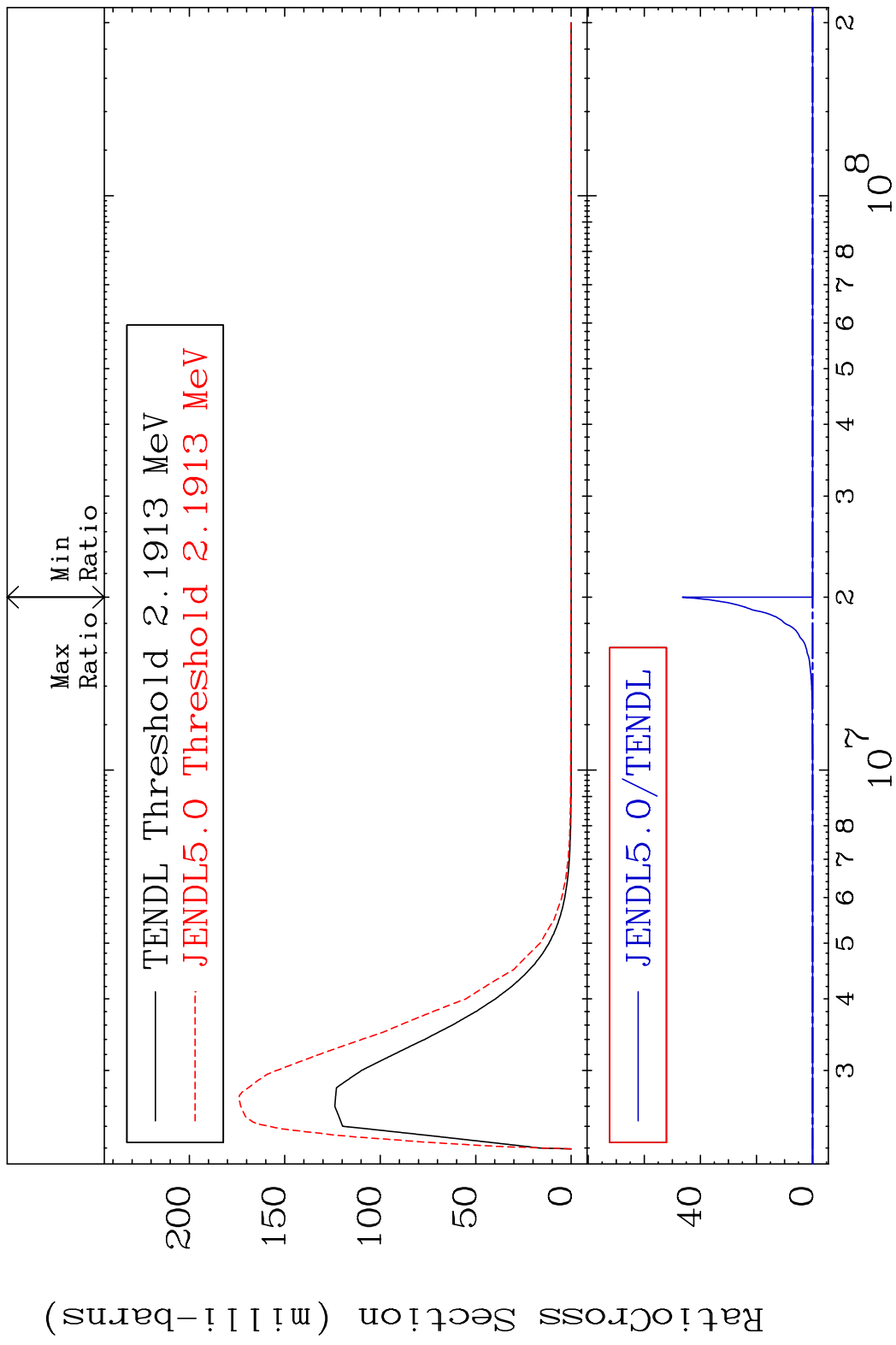
MAT 5049 MT= 53 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 54.45 %



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

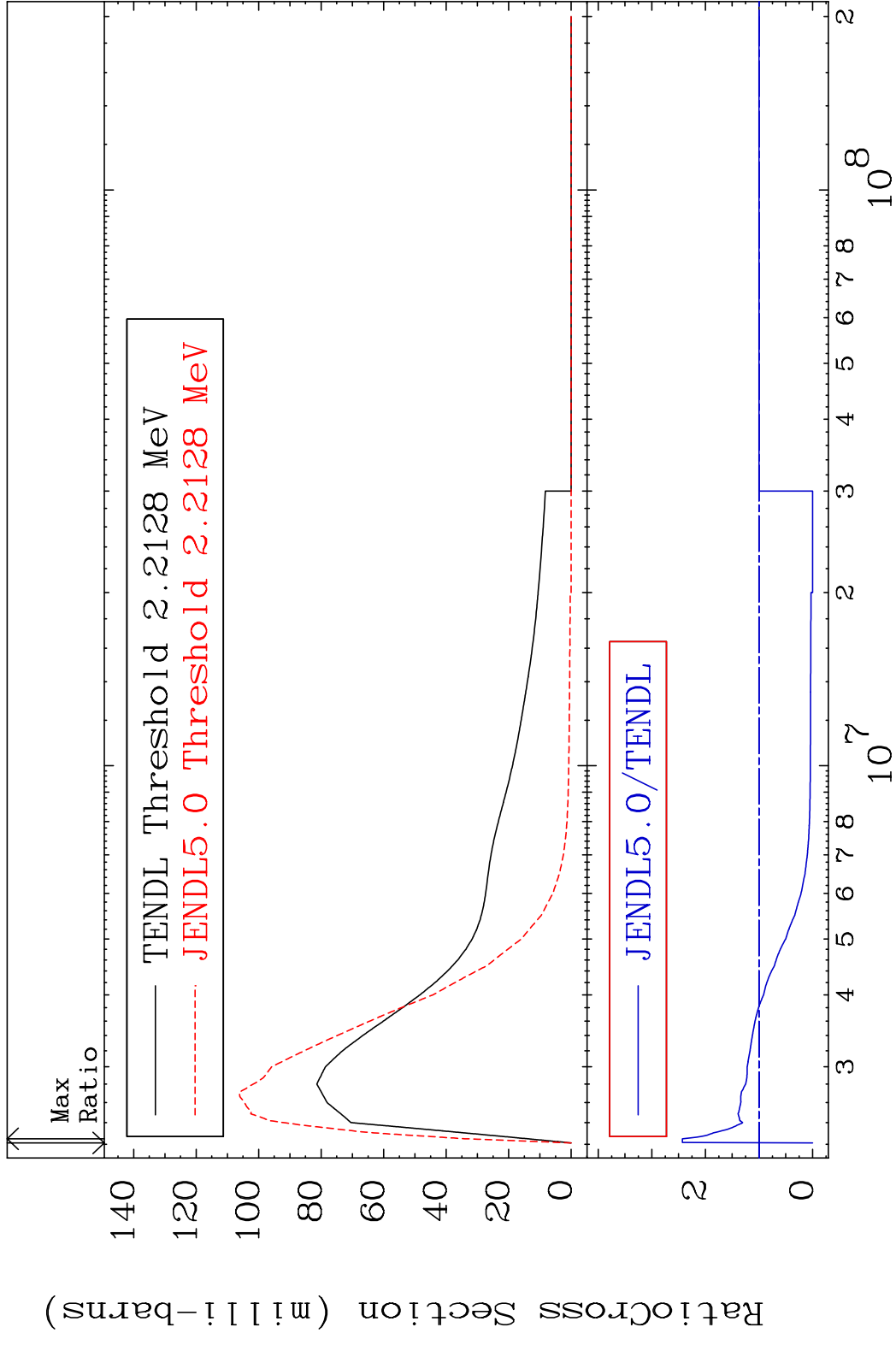


MAT 5049 MT= 55 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %

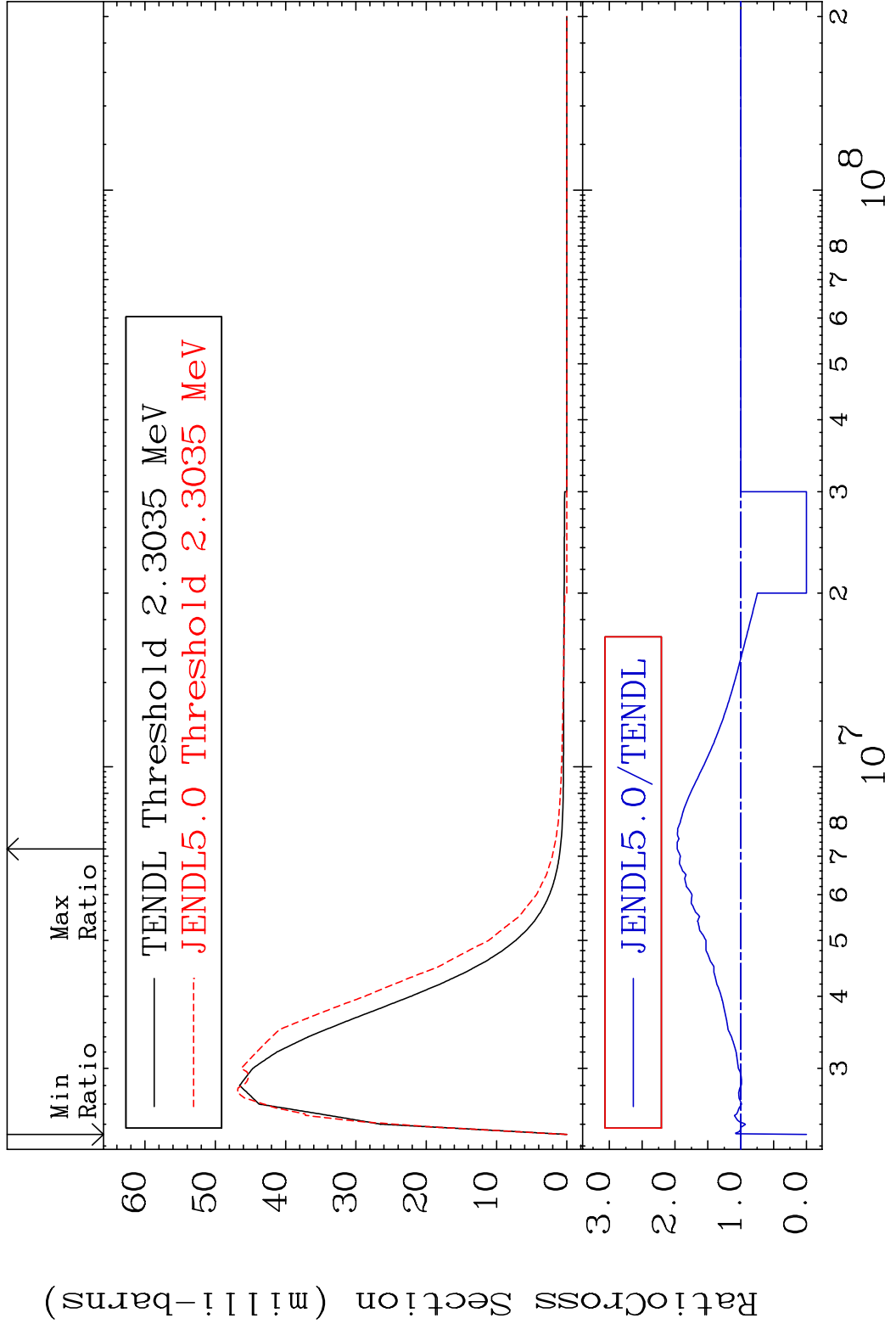


13 Incident Energy (eV) 50-Sn-120

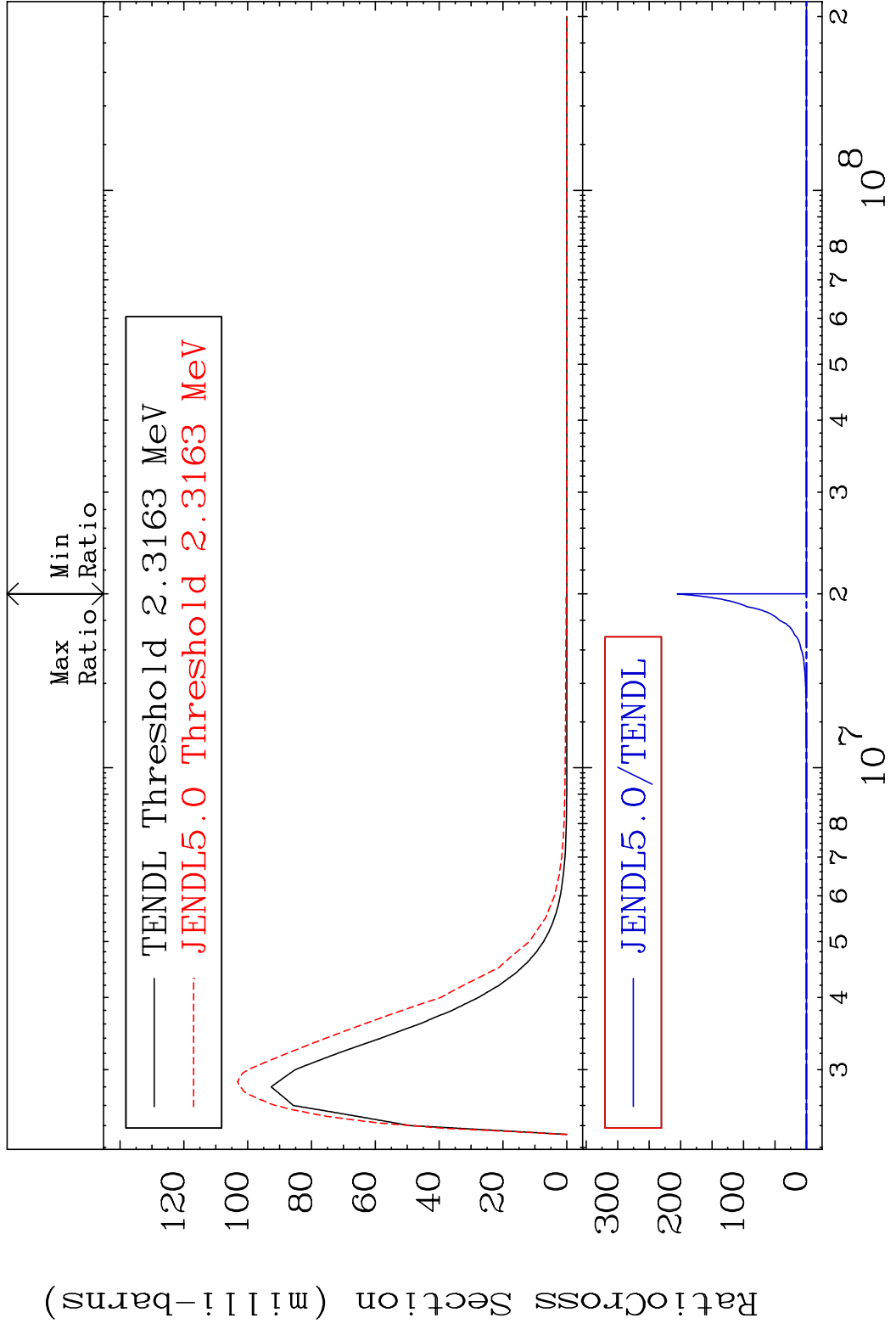
MAT 5049 MT= 56 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 142.9 %



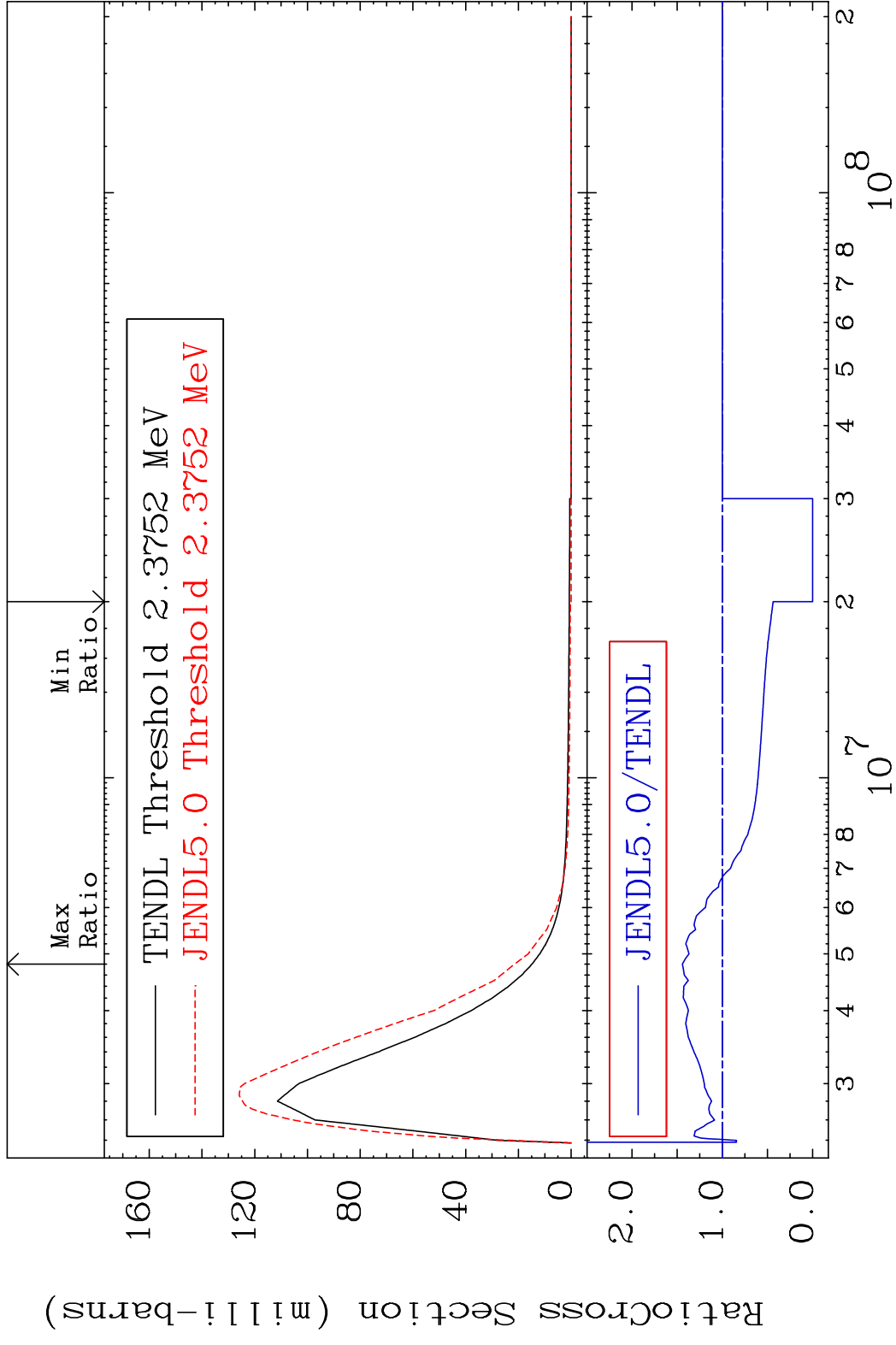
MAT 5049 MT= 57 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 96.72 %



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

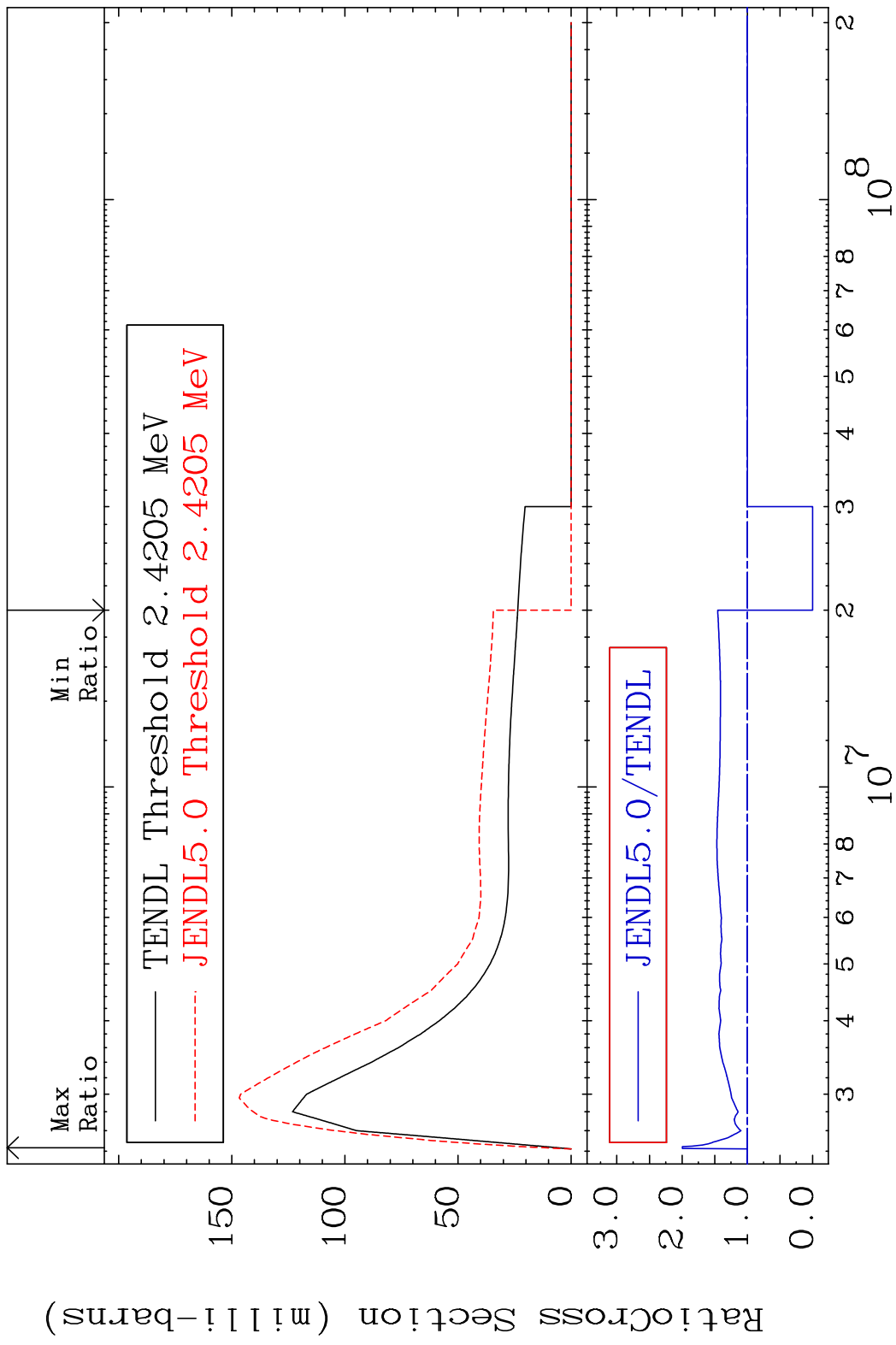


MAT 5049 MT= 59 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 44.18 %



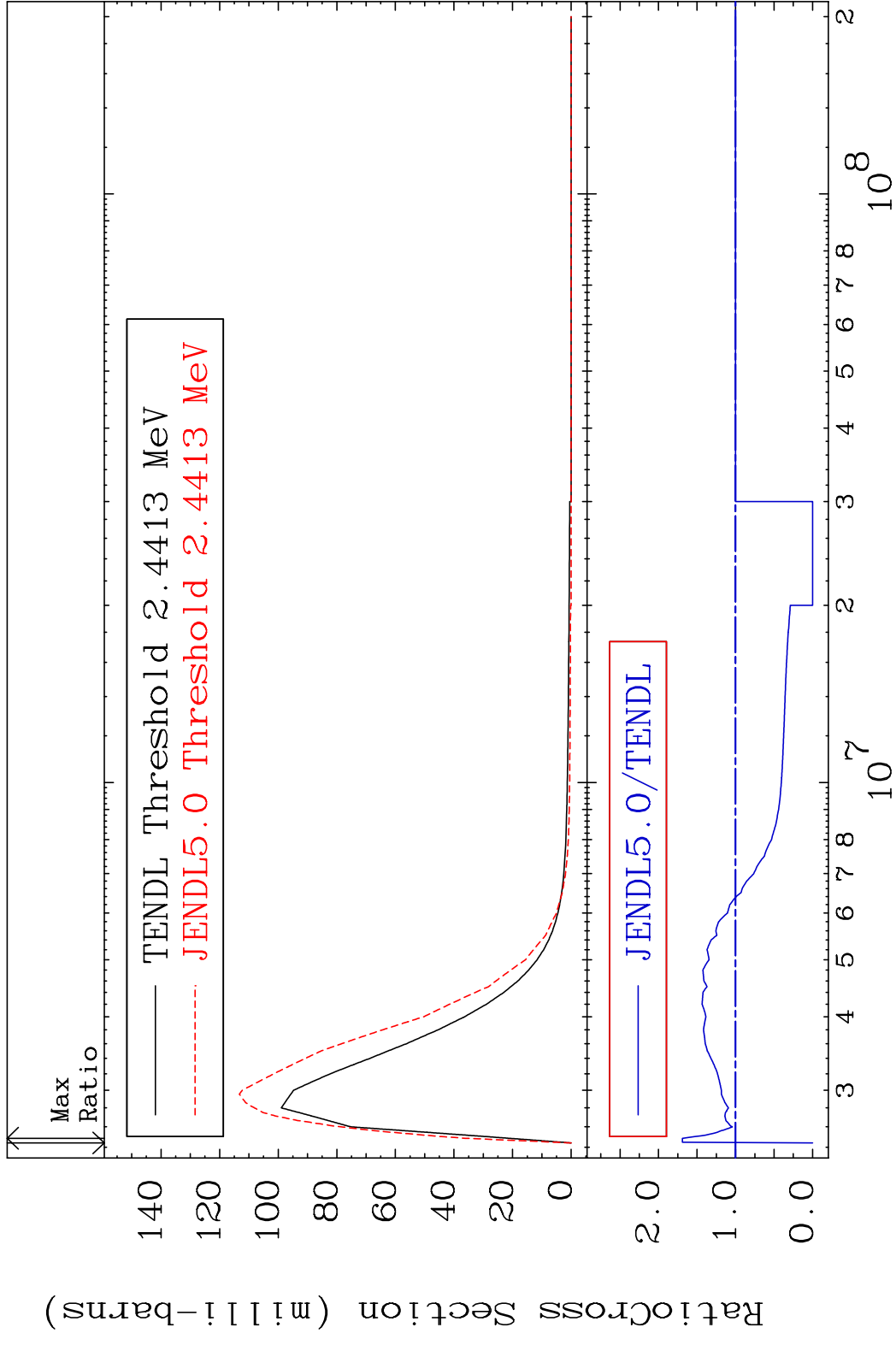
17 50-Sn-120

MAT 5049 MT= 60 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 99.56 %

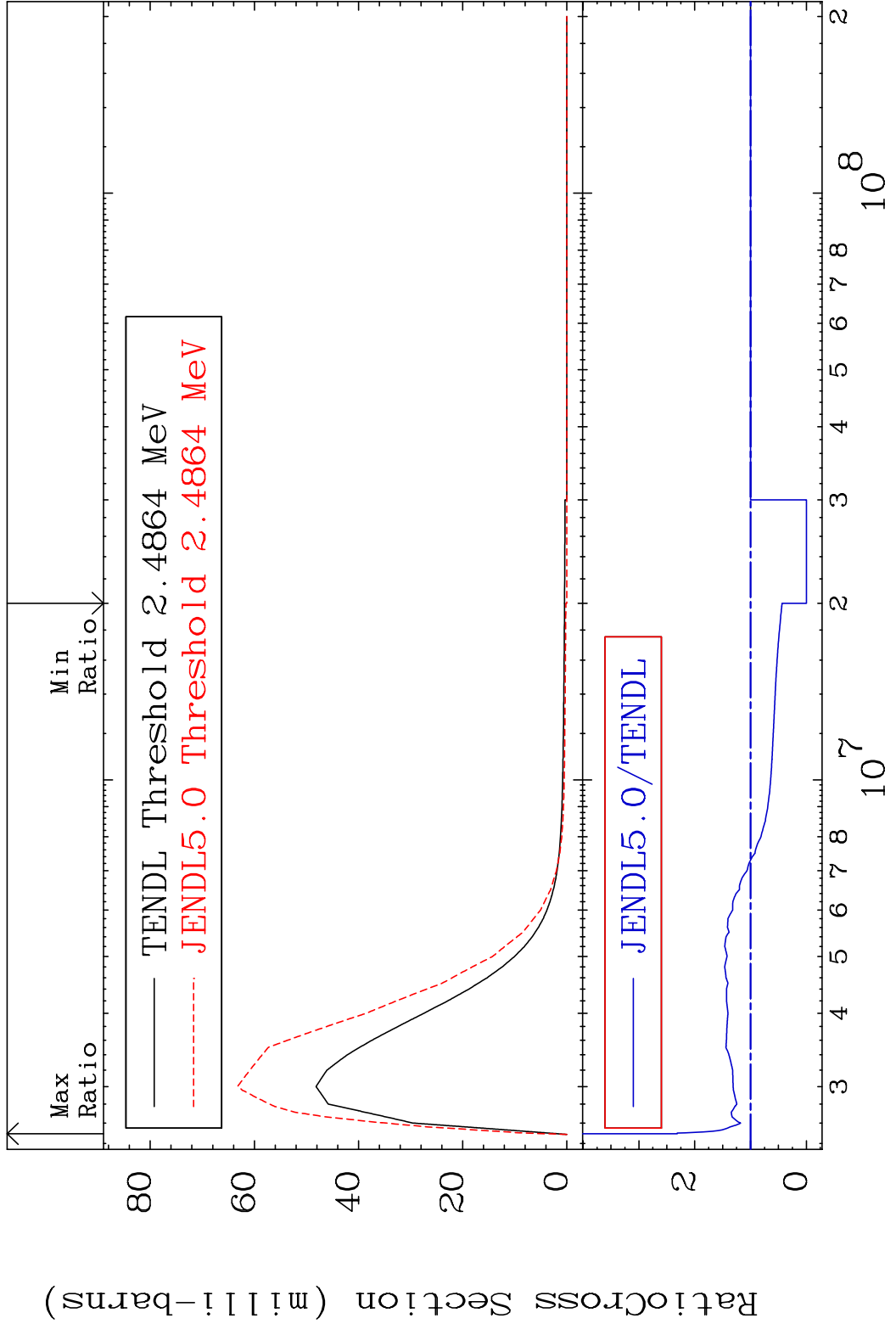


18 Incident Energy (eV) 50-Sn-120

MAT 5049 MT= 61 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 69.07 %

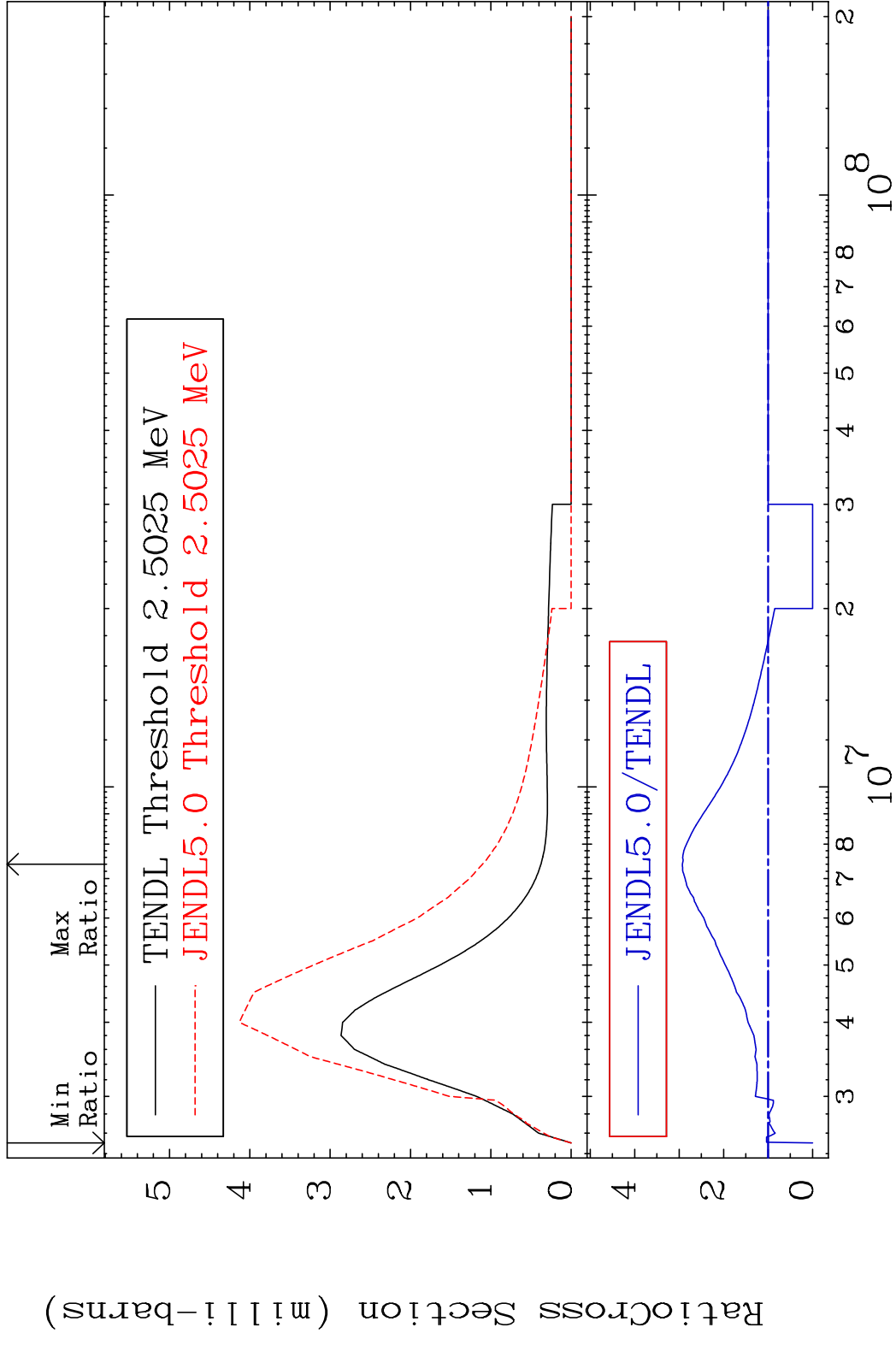


MAT 5049 MT= 62 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 131.4 %

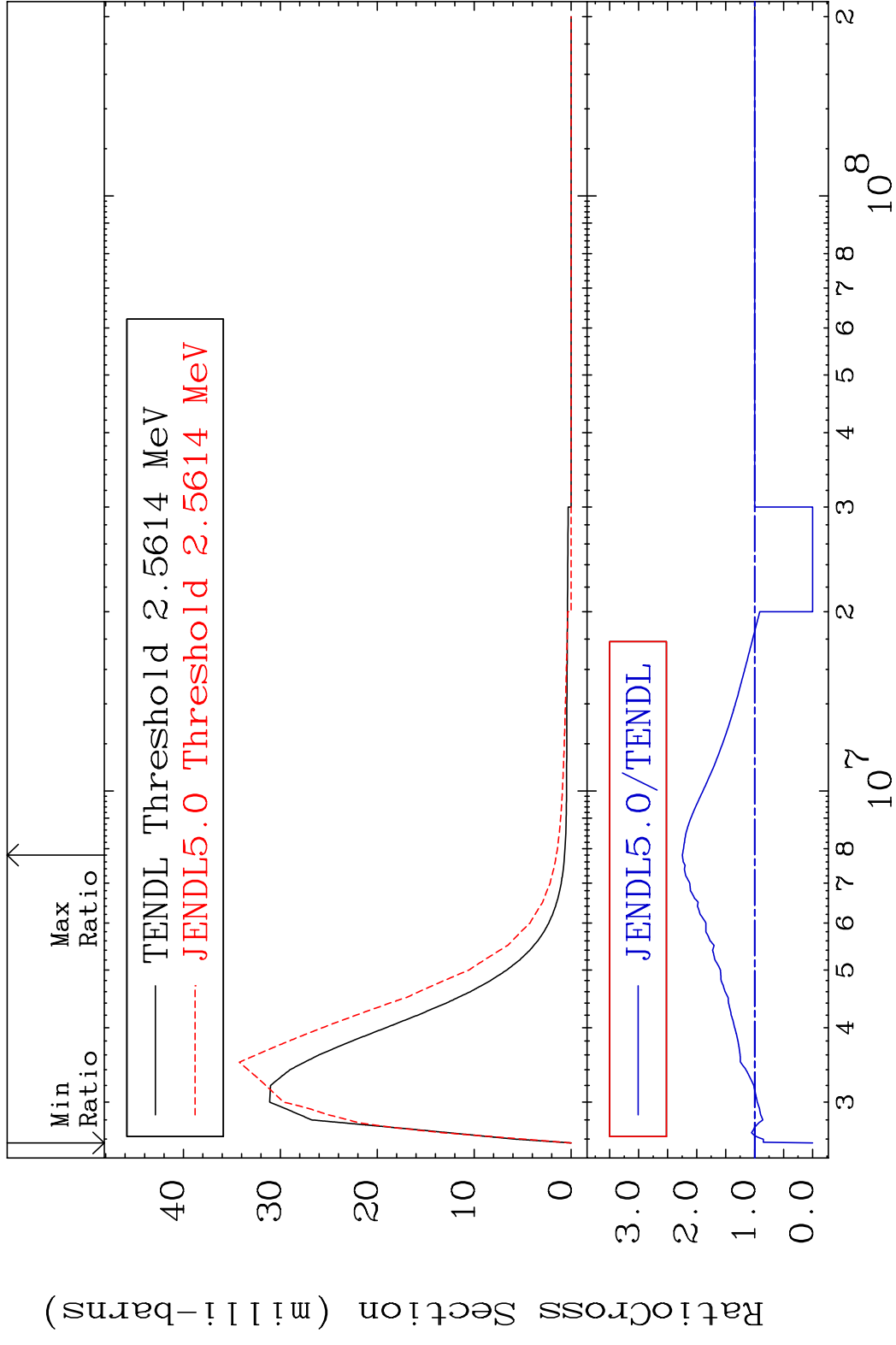


20 50-Sn-120

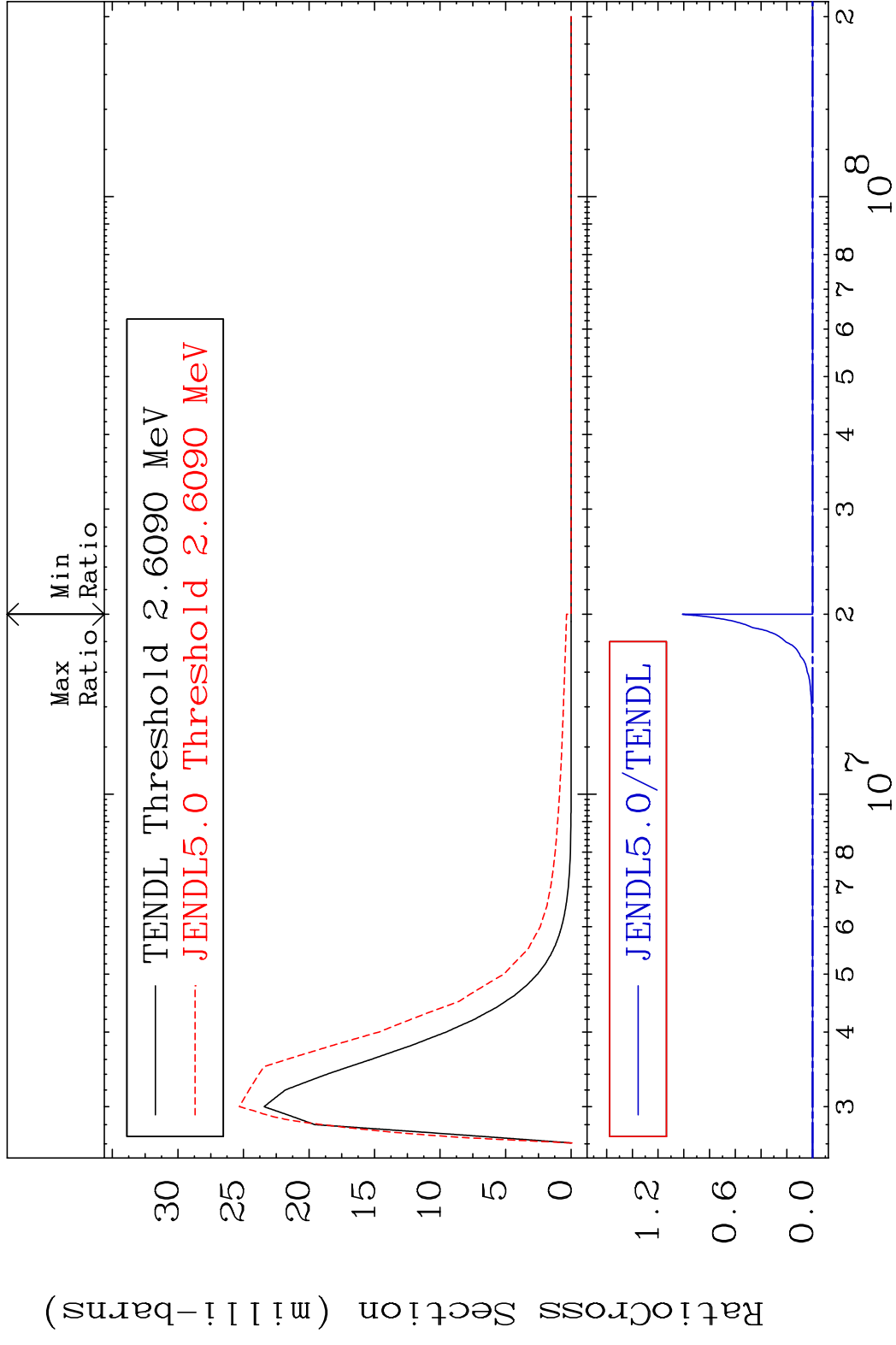
MAT 5049 MT= 63 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 192.8 %



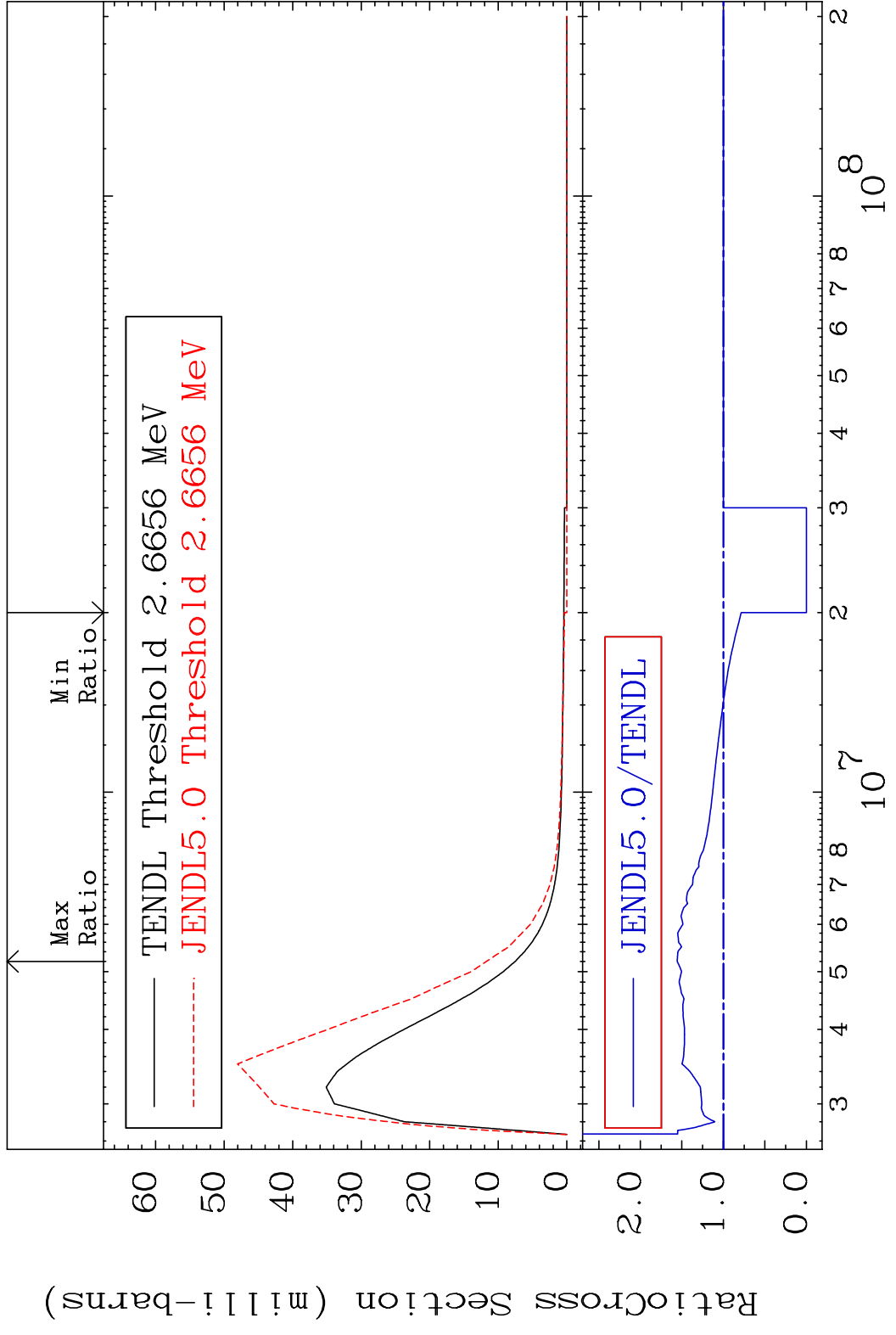
MAT 5049 MT= 64 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 124.7 %



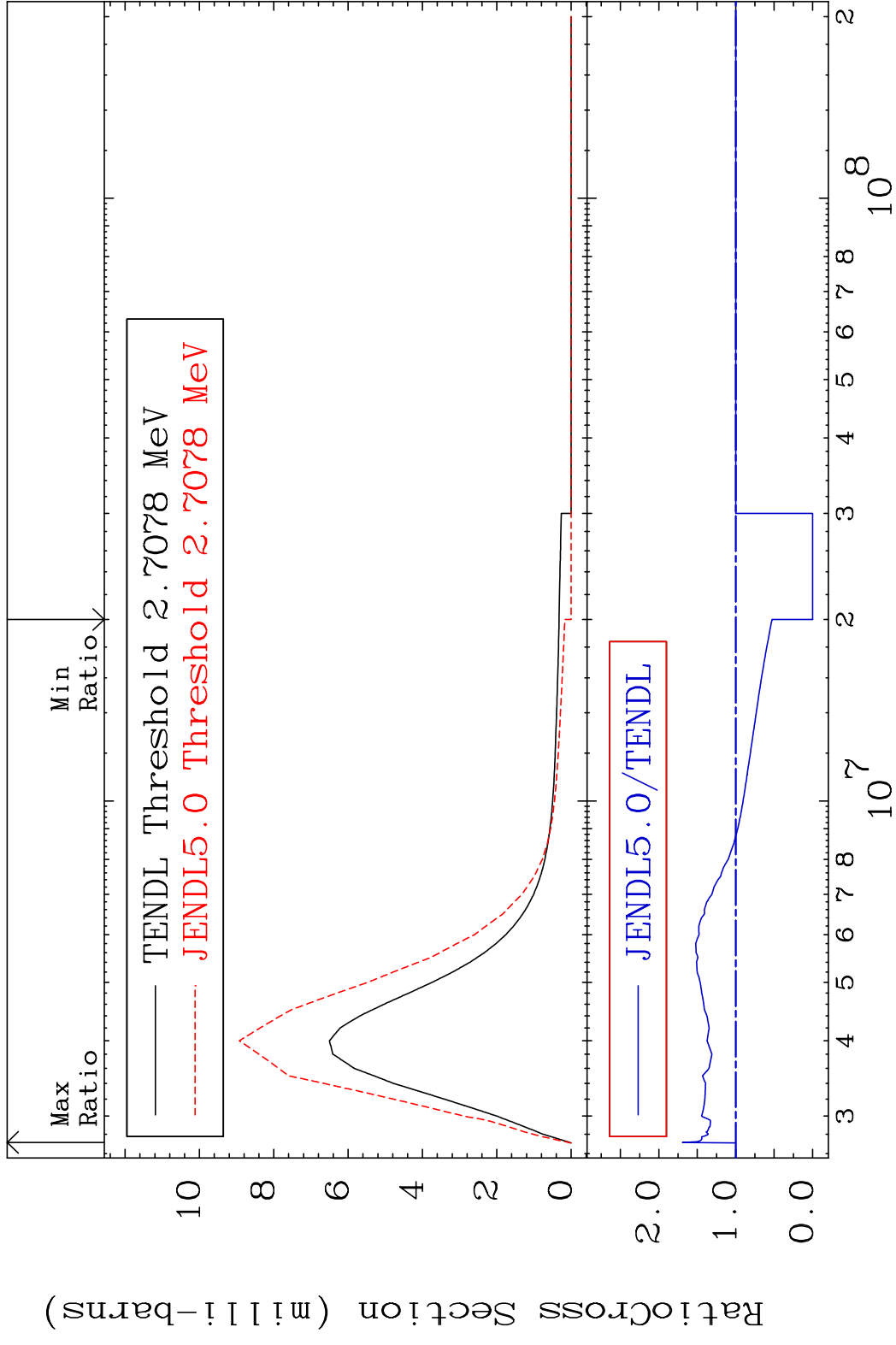
MAT 5049 MT= 65 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



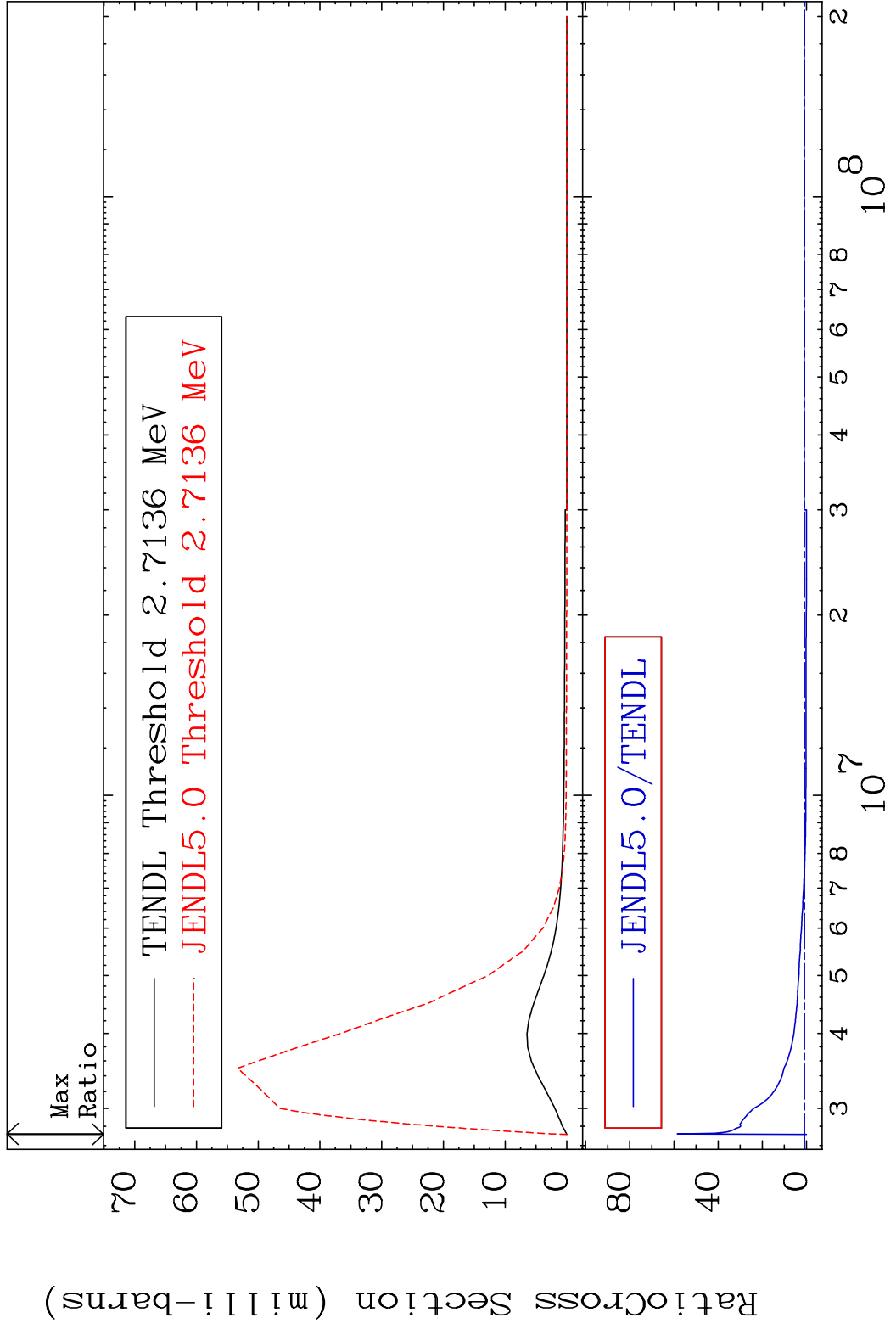
MAT 5049 MT= 66 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 55.62 %



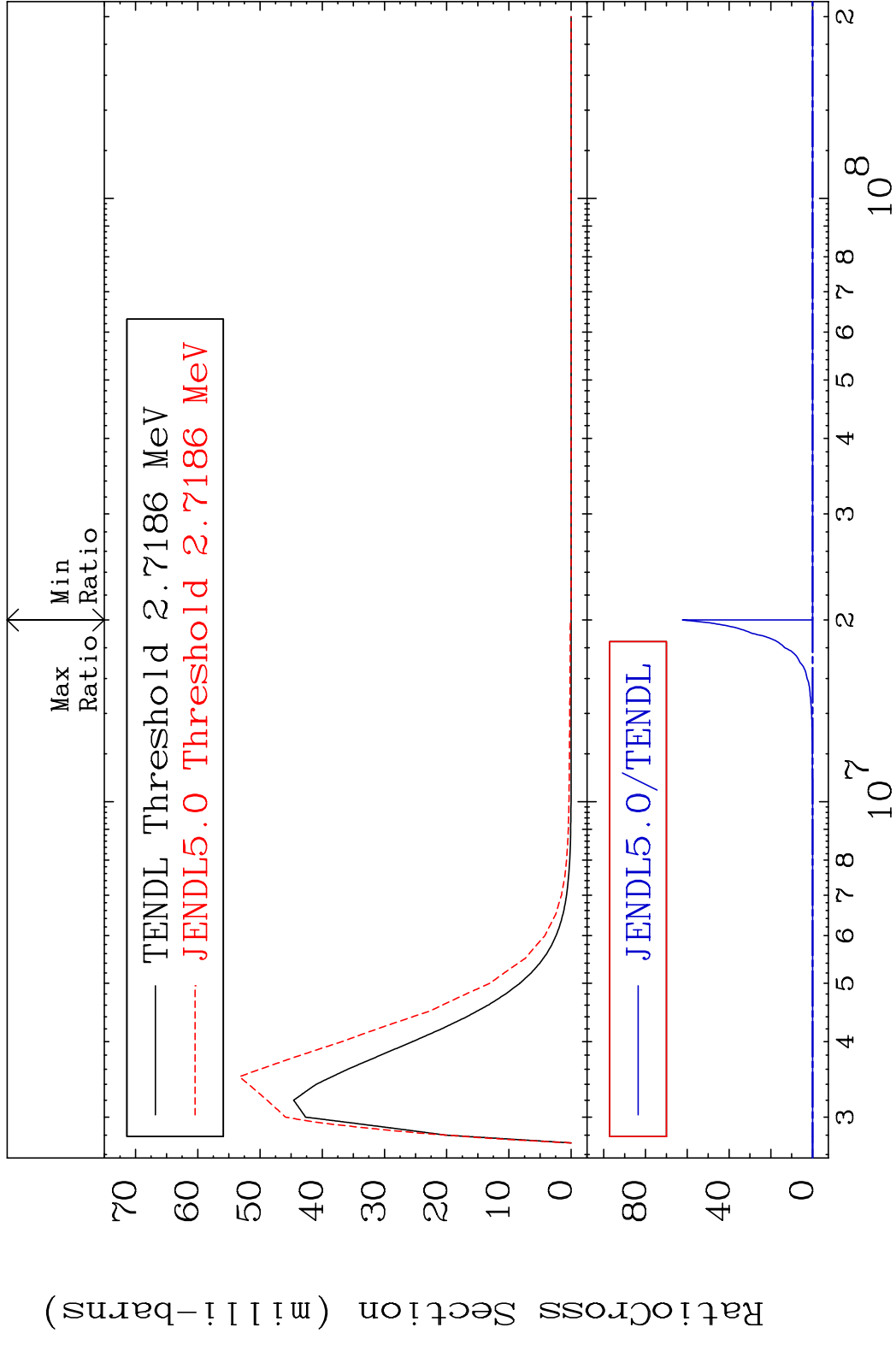
MAT 5049 MT= 67 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 69.44 %



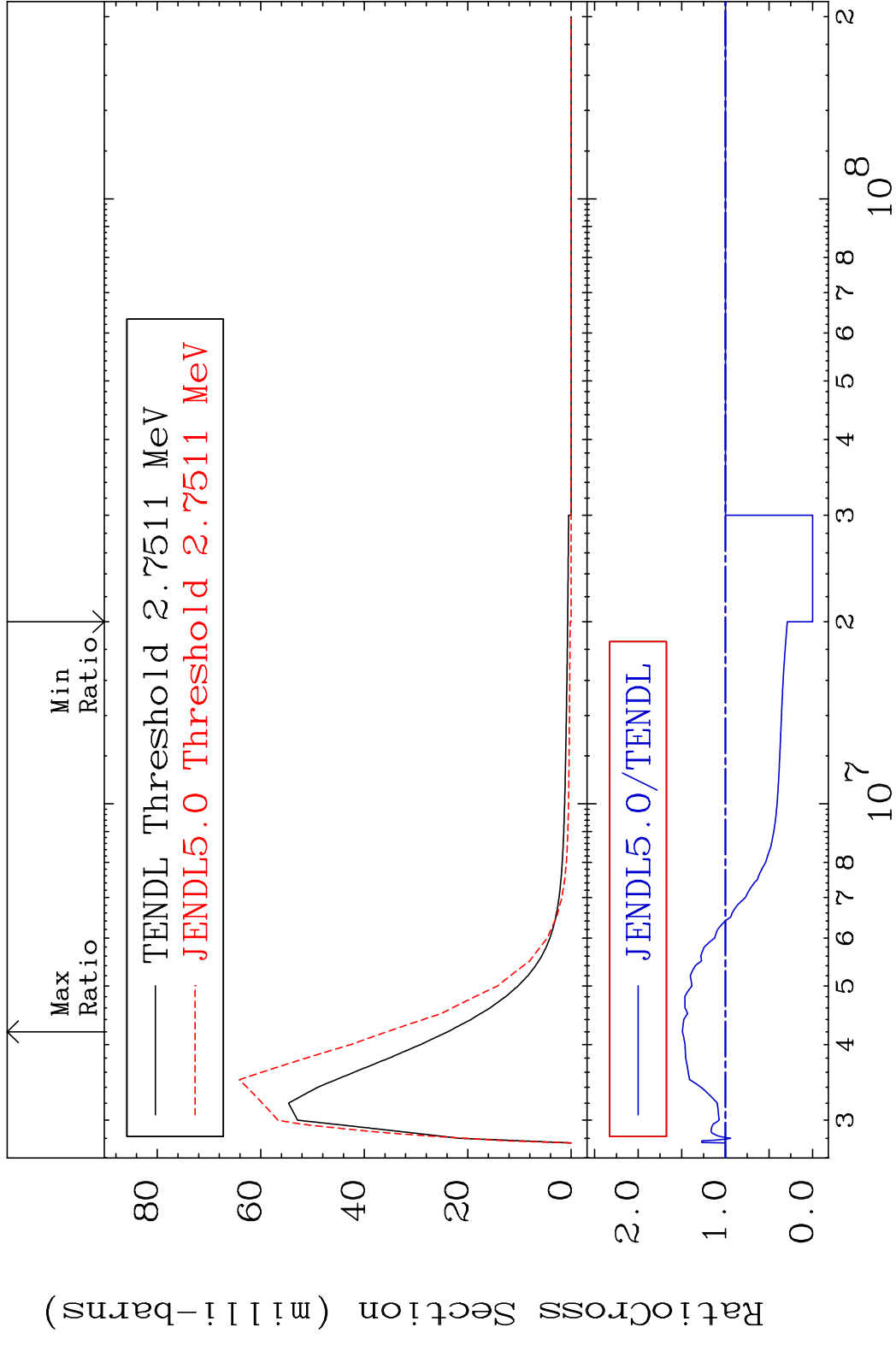
MAT 5049 MT= 68 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 5754. %



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 49.35 %



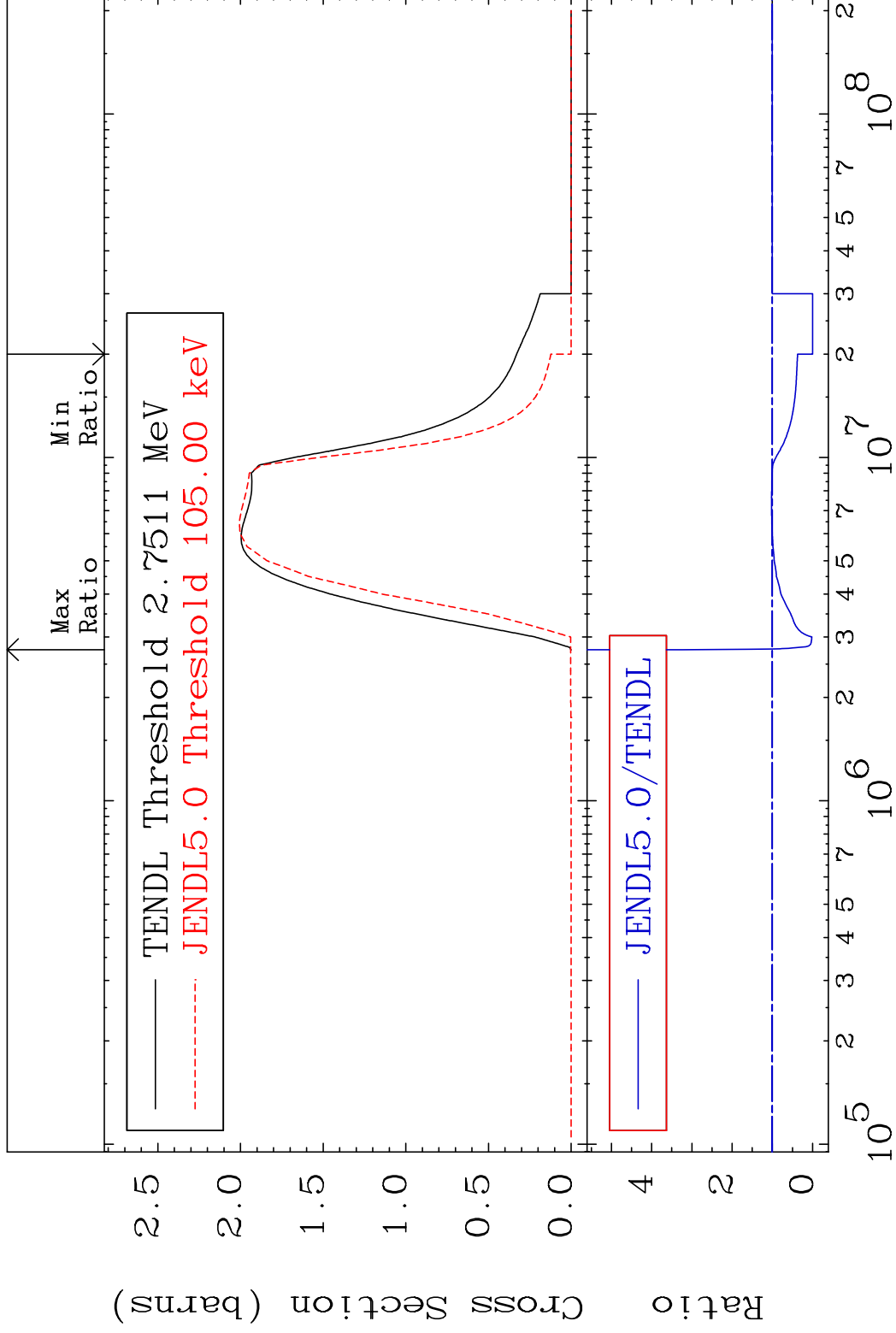
MAT 5049

(n, n') Continuum

50-Sn-120

Cross Section

-100.0 To 223.6 %



29

Incident Energy (eV)

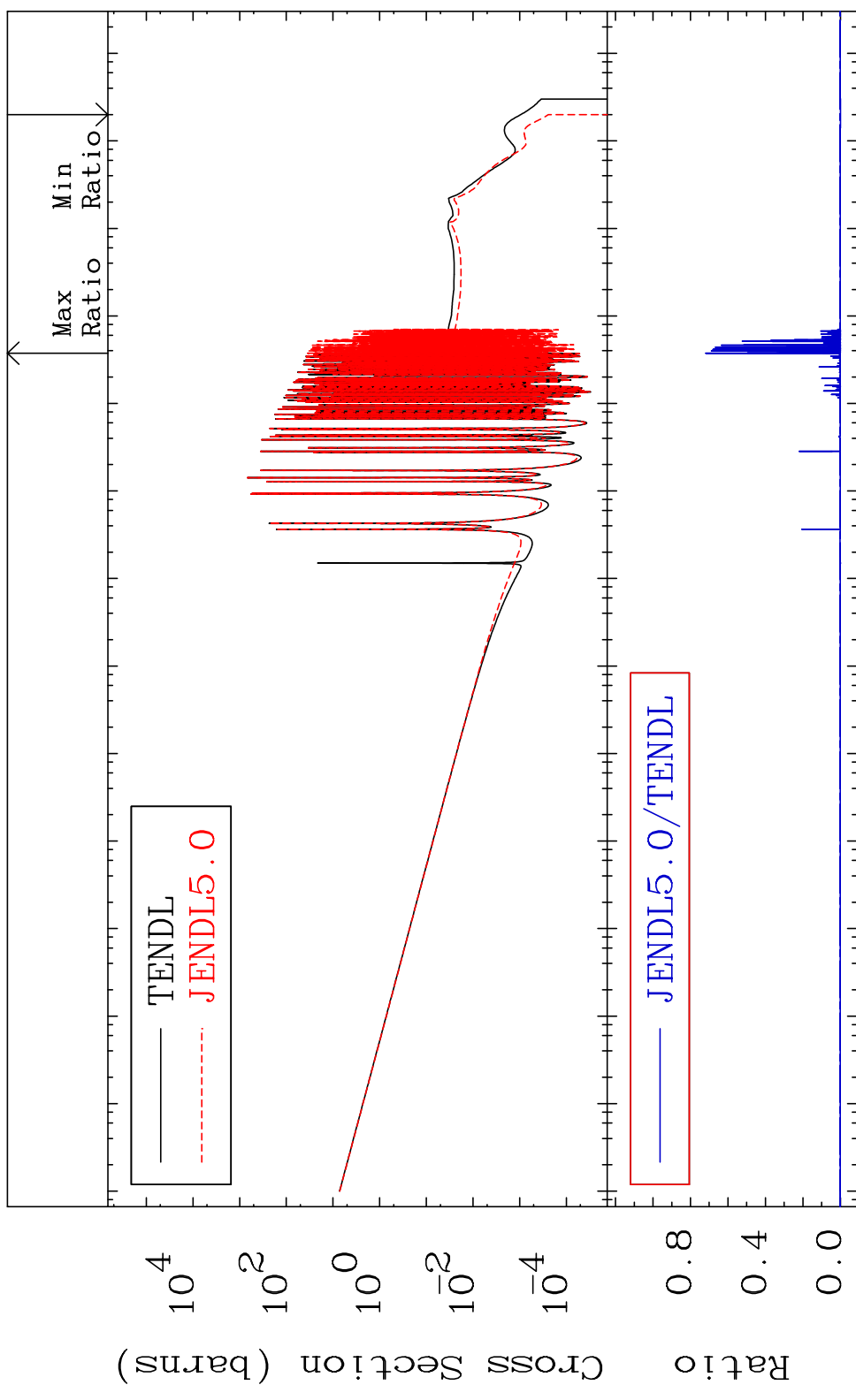
50-Sn-120

MAT 5049

(n, γ)

50-Sn-120

Cross Section -100.0 To 9999. %

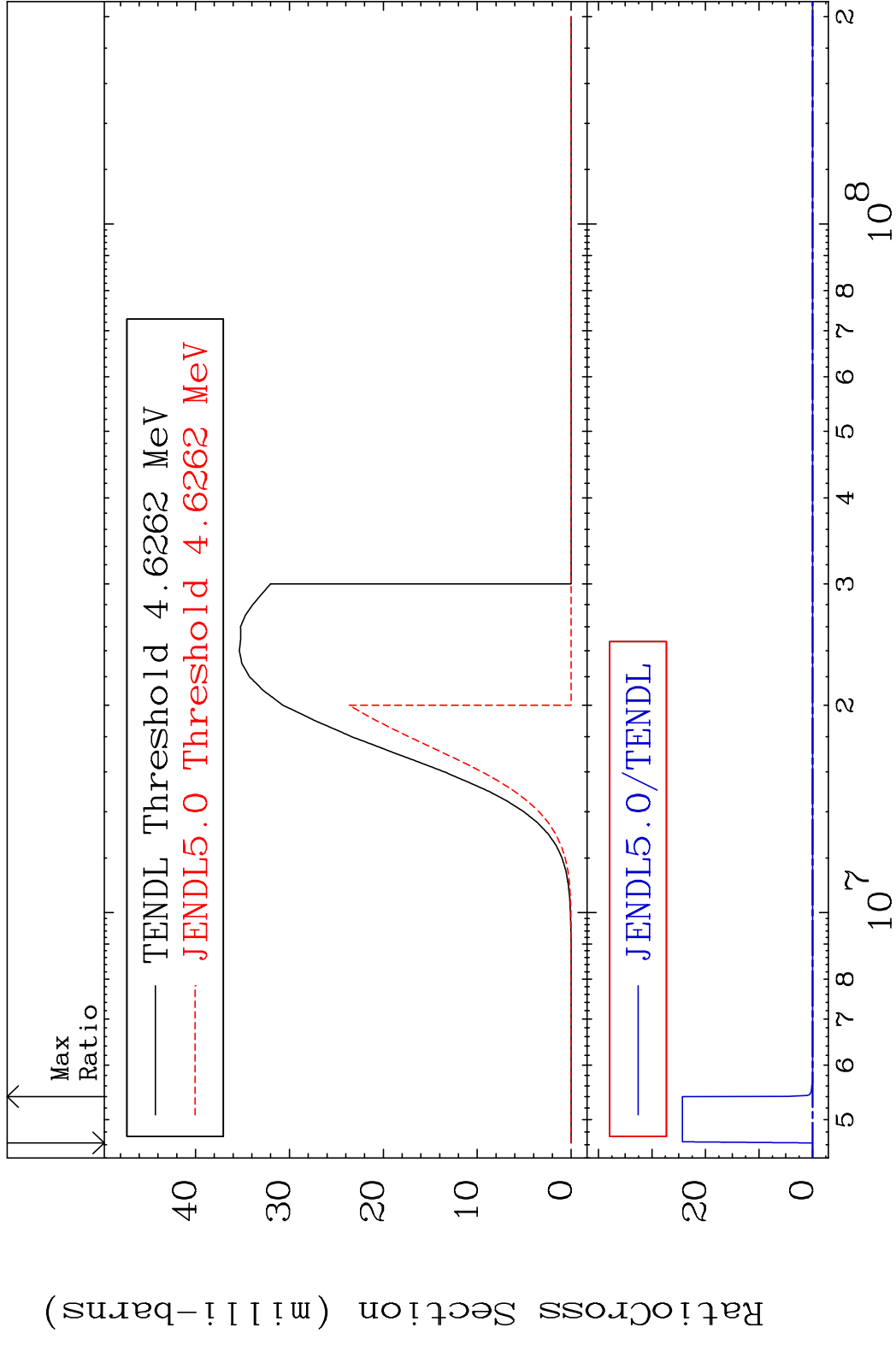


30

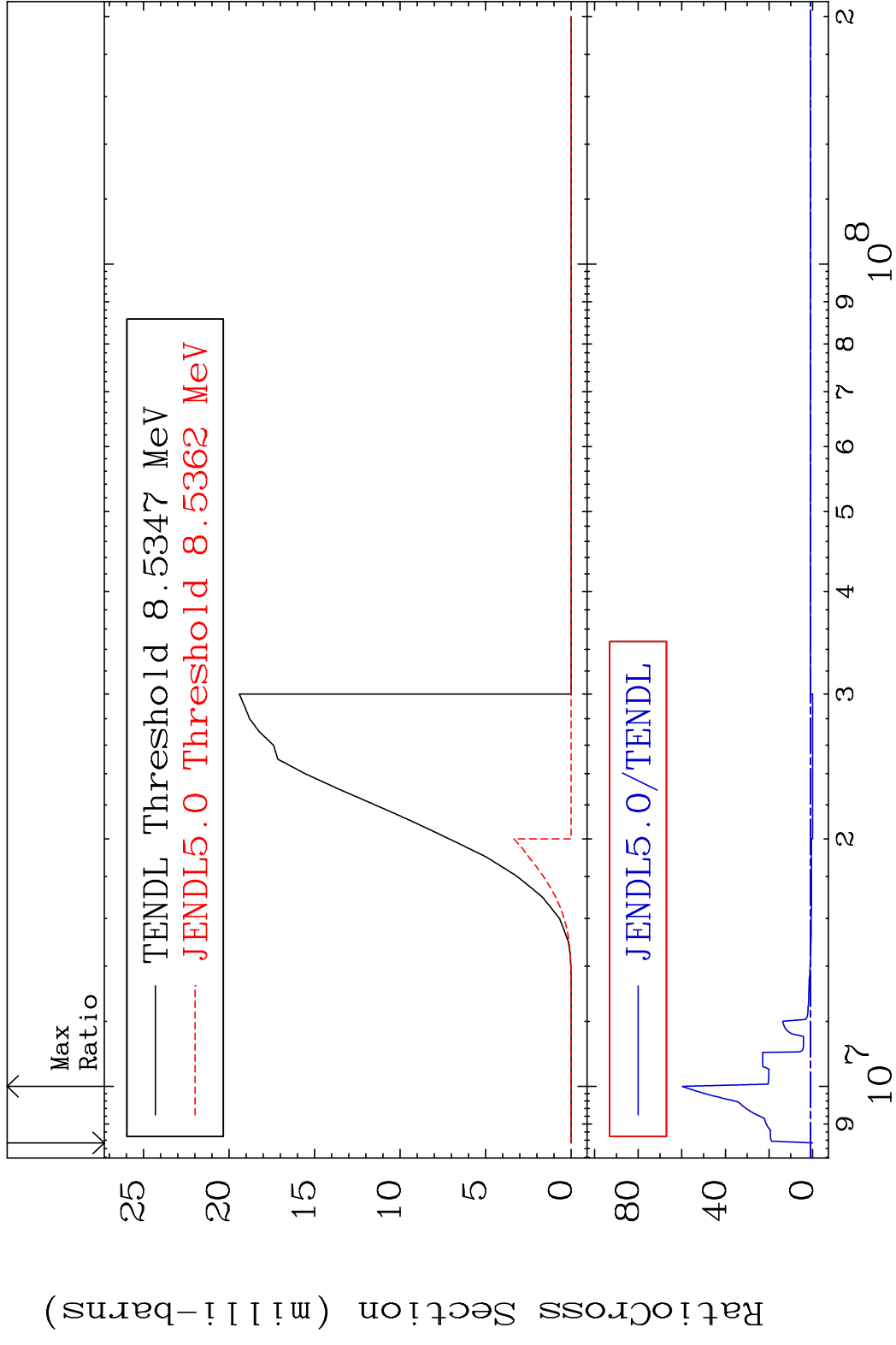
Incident Energy (eV)

50-Sn-120

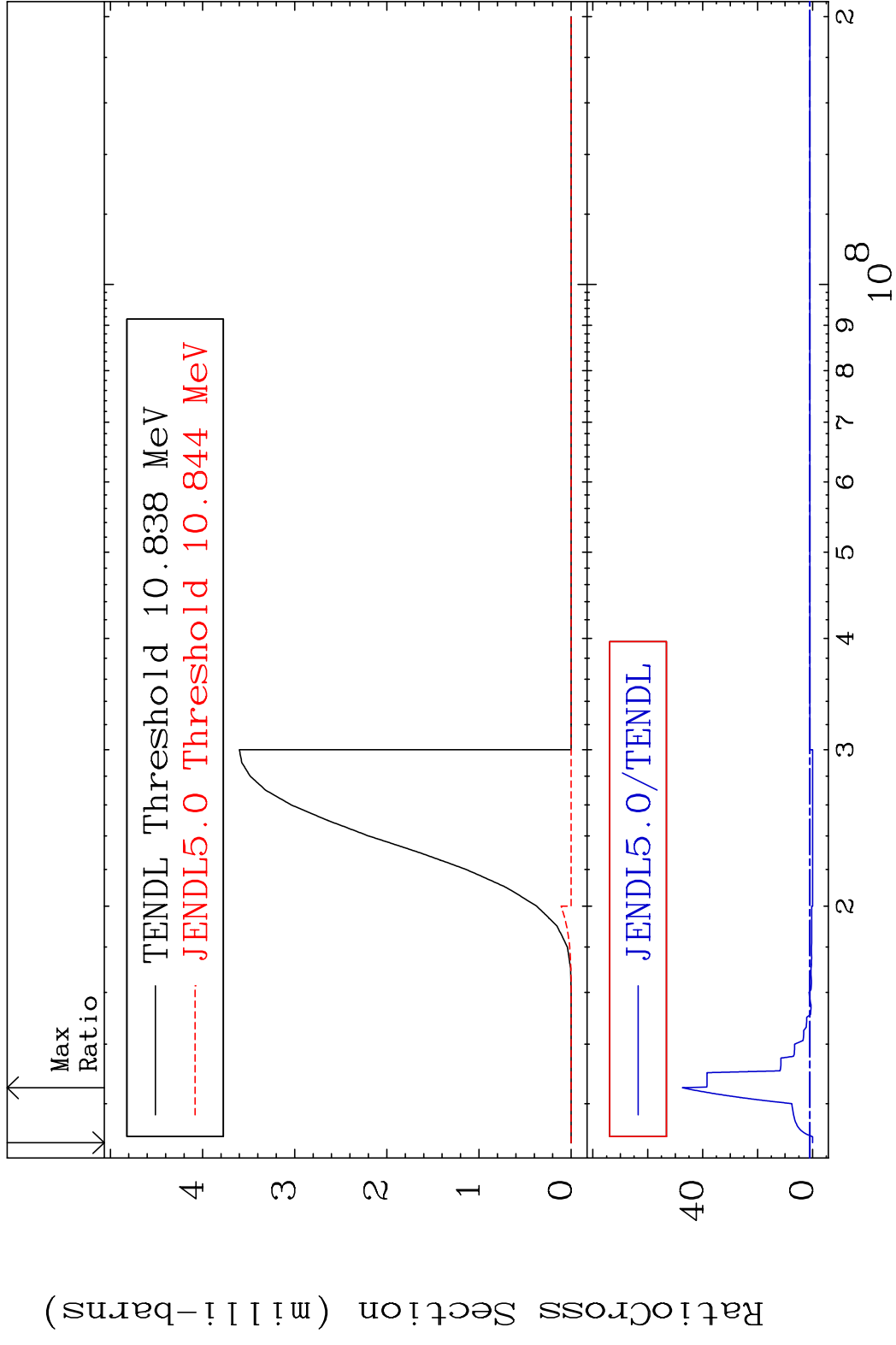
MAT 5049 (n,p) 50-Sn-120
 Cross Section -100.0 To 9999. %



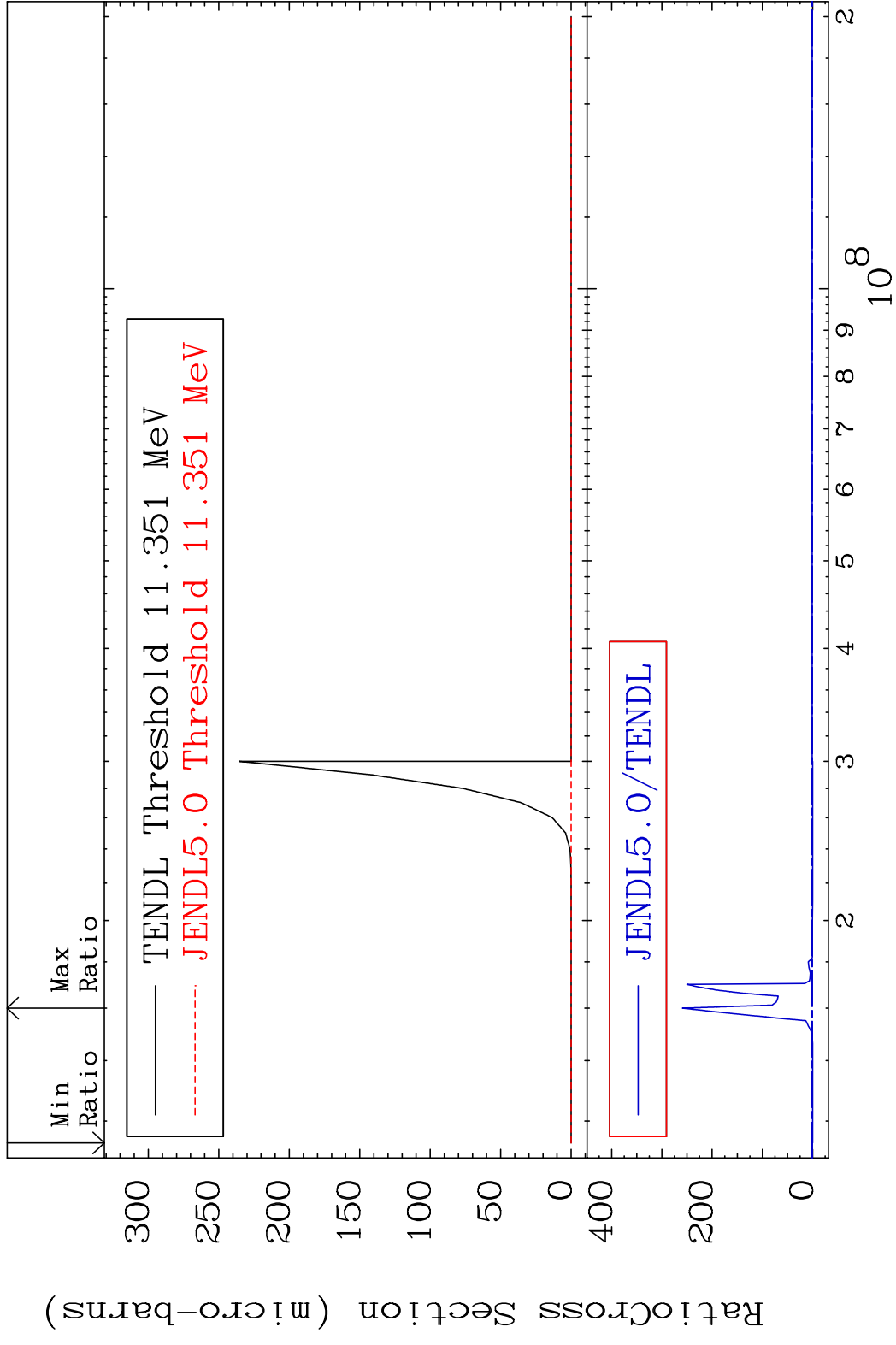
MAT 5049 (n,d) 50-Sn-120
 Cross Section -100.0 To 5875. %



MAT 5049 (n, t) 50-Sn-120
 Cross Section -100.0 To 4641. %



MAT 5049 (n, He-3) 50-Sn-120
 Cross Section -100.0 To 9999. %

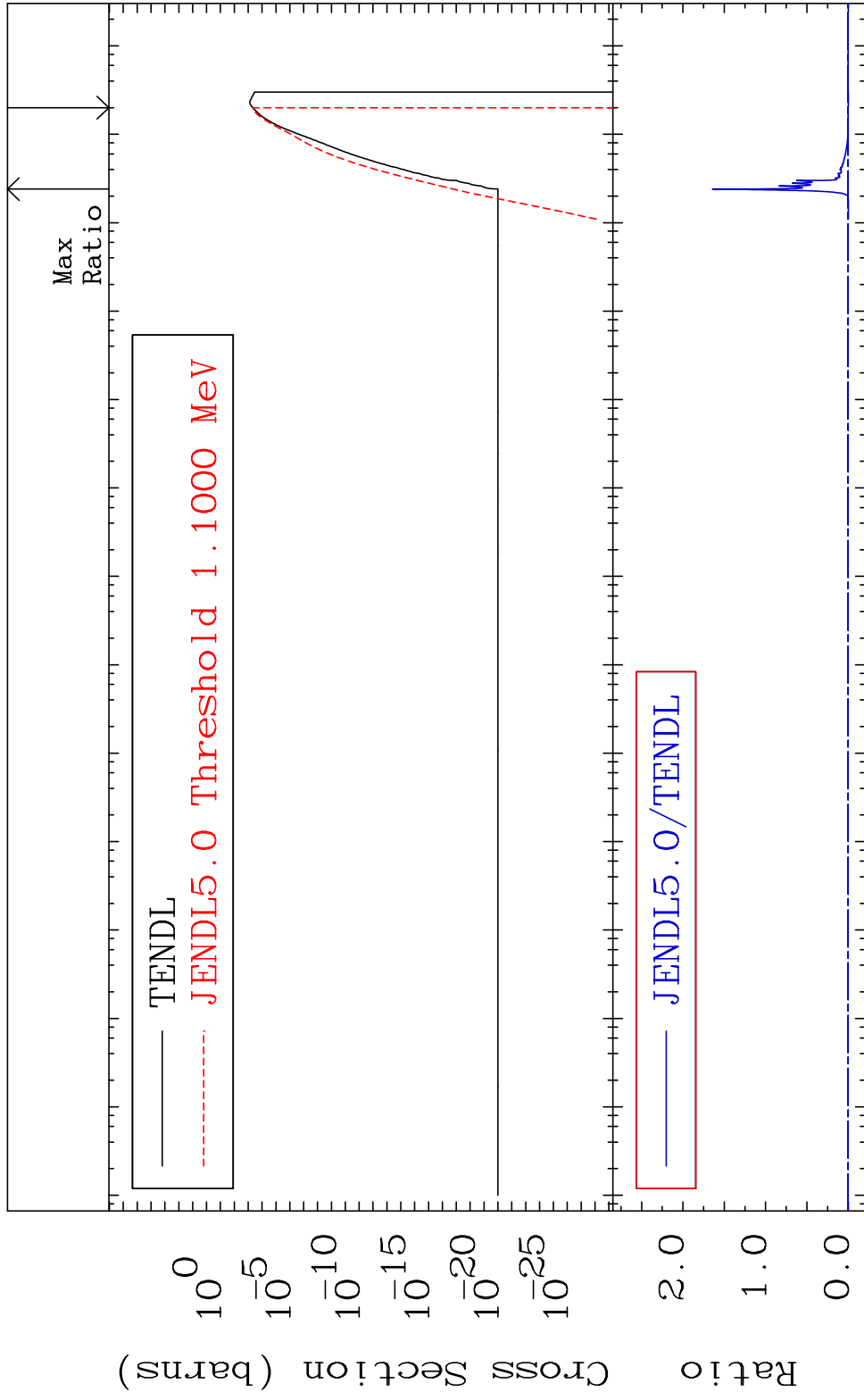


MAT 5049

(n, α)

50-Sn-120

Cross Section -100.0 To 9999. %



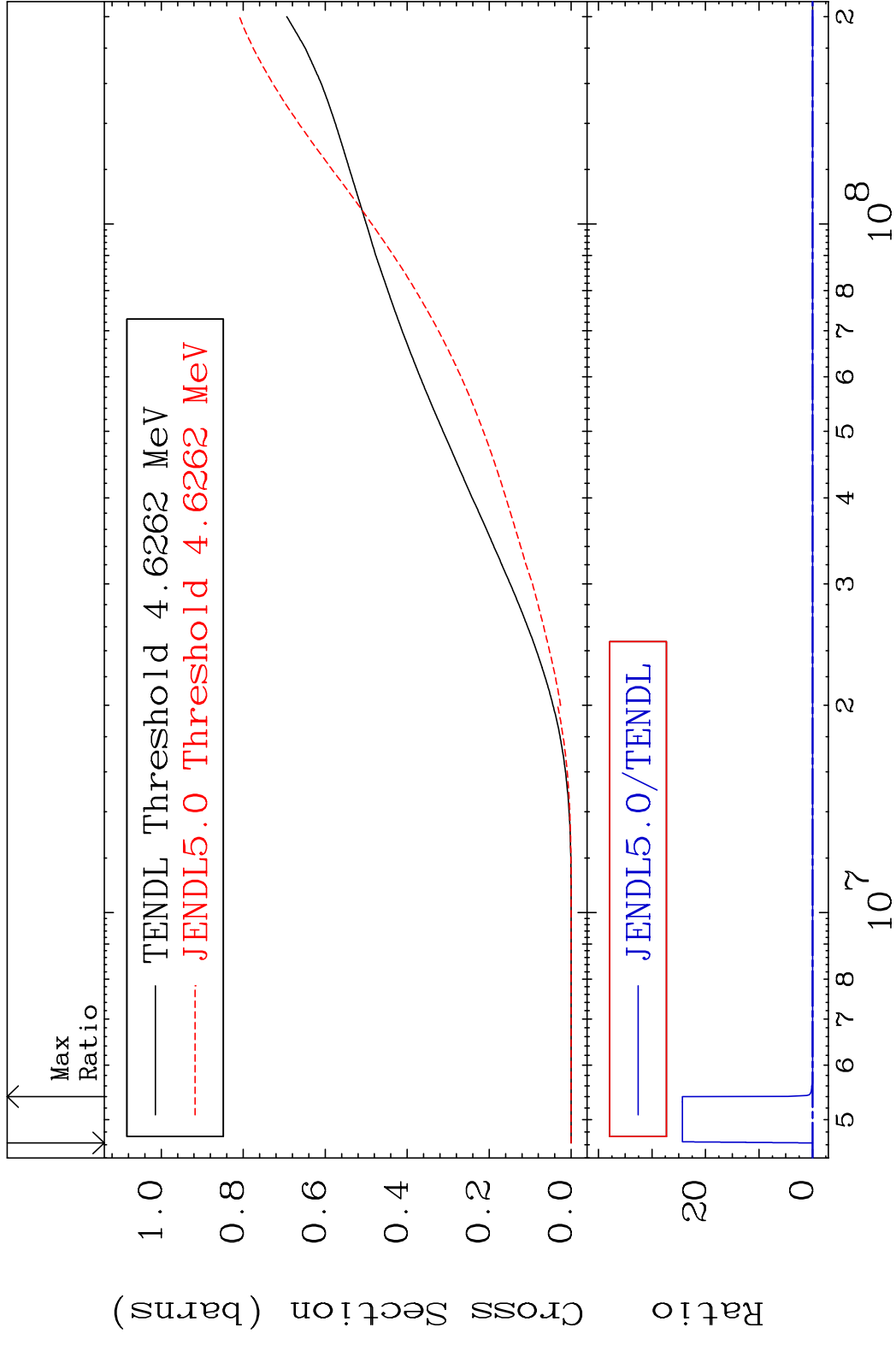
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

35

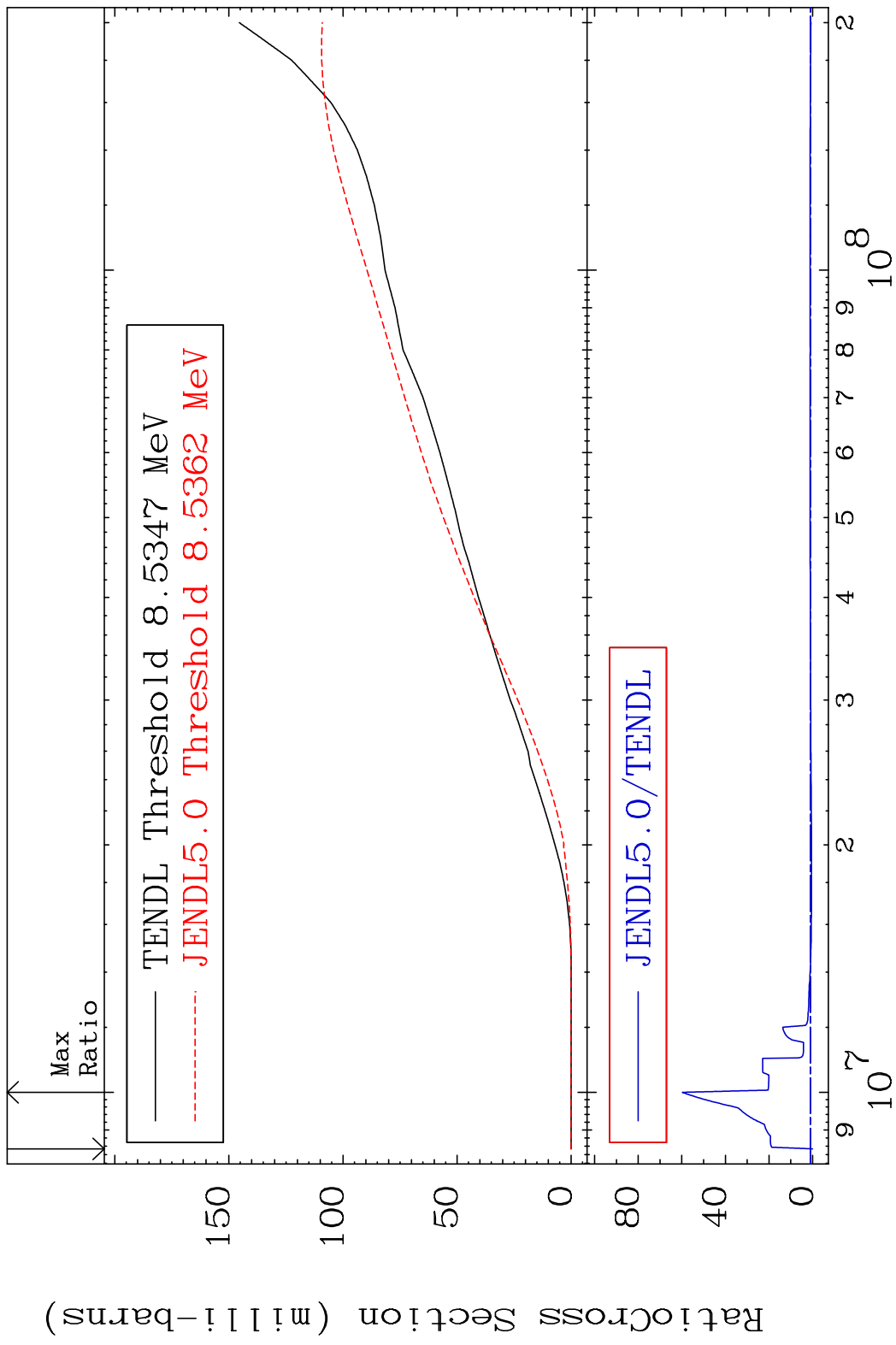
Incident Energy (eV)

50-Sn-120

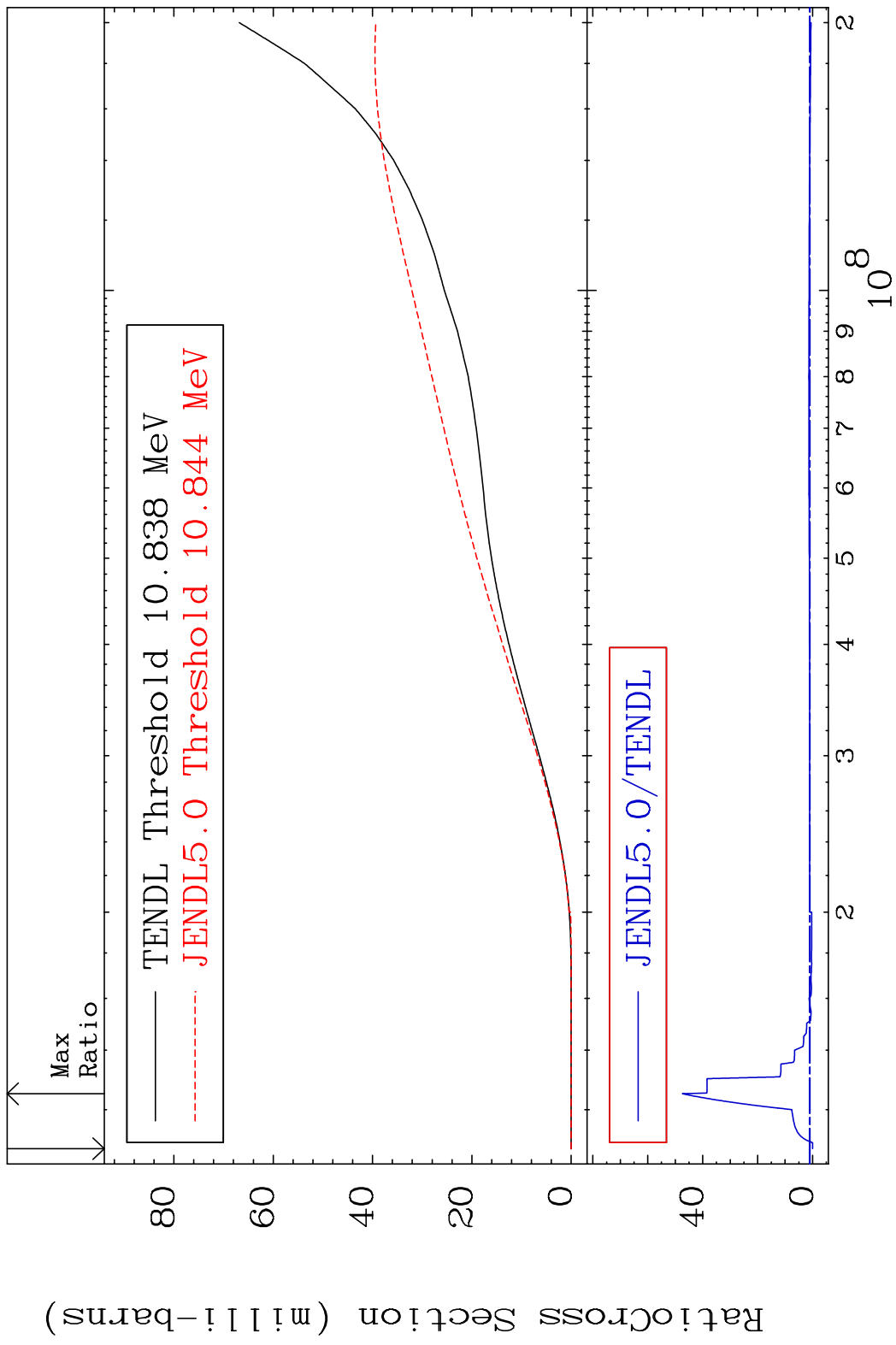
MAT 5049 Hydrogen Production 50-Sn-120
 Cross Section -100.0 To 9999. %



MAT 5049 Deuterium Production 50-Sn-120
 Cross Section -100.0 To 5875. %



MAT 5049 Tritium Production 50-Sn-120
 Cross Section -100.0 To 4641. %

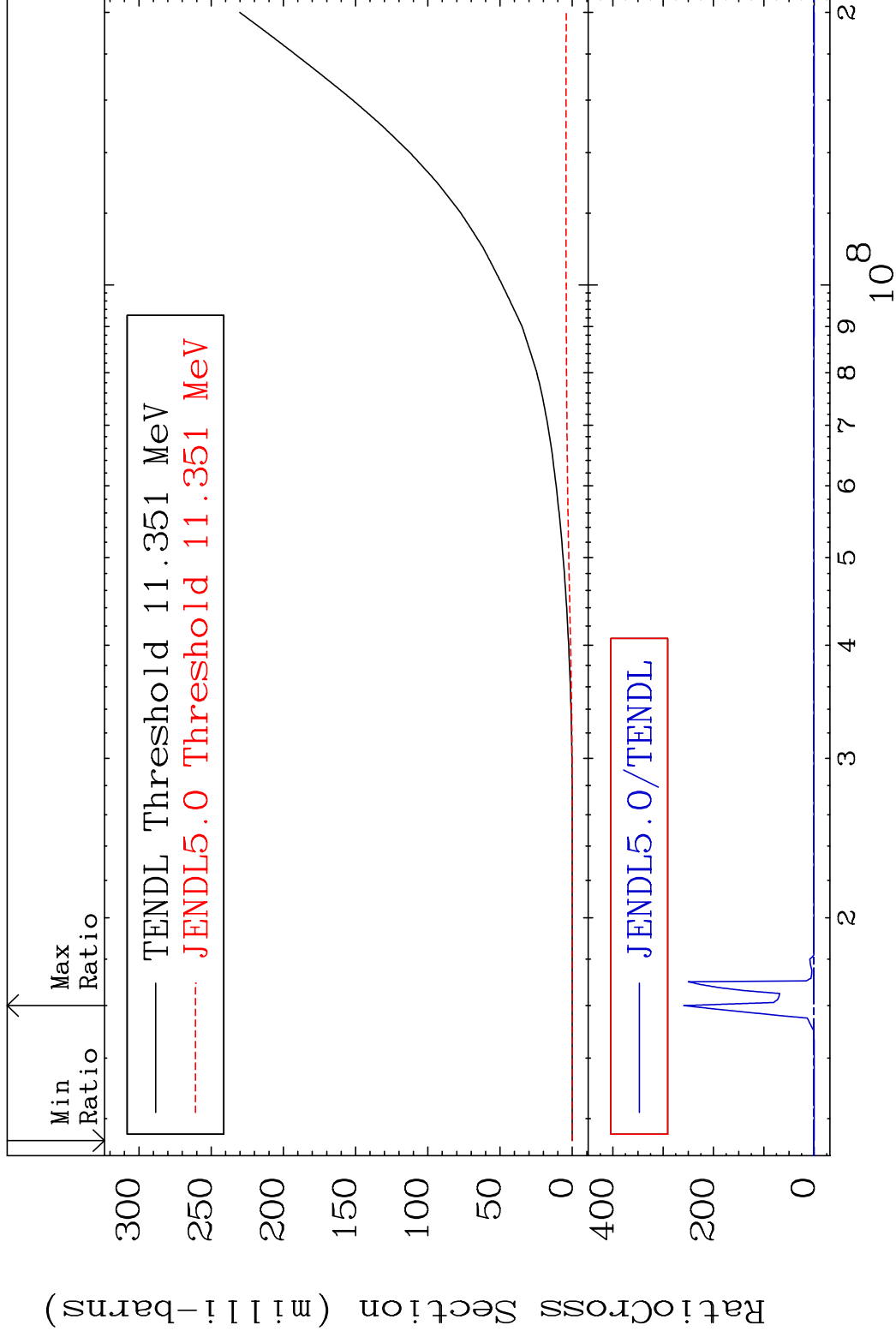


MAT 5049

He-3 Production

50-Sn-120

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

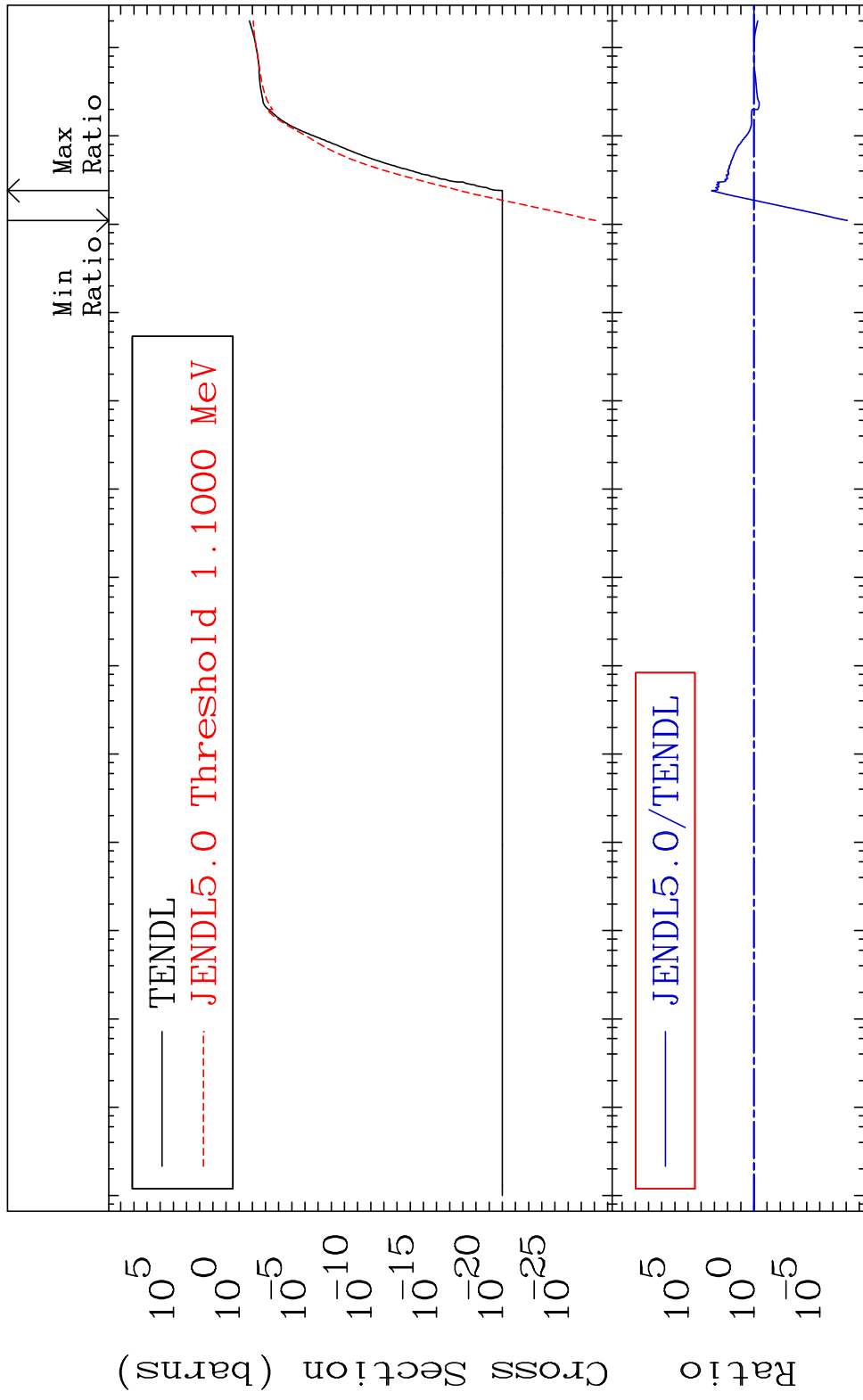
50-Sn-120

MAT 5049

He-4 Production

50-Sn-120

Cross Section -100.0 To 9999. %

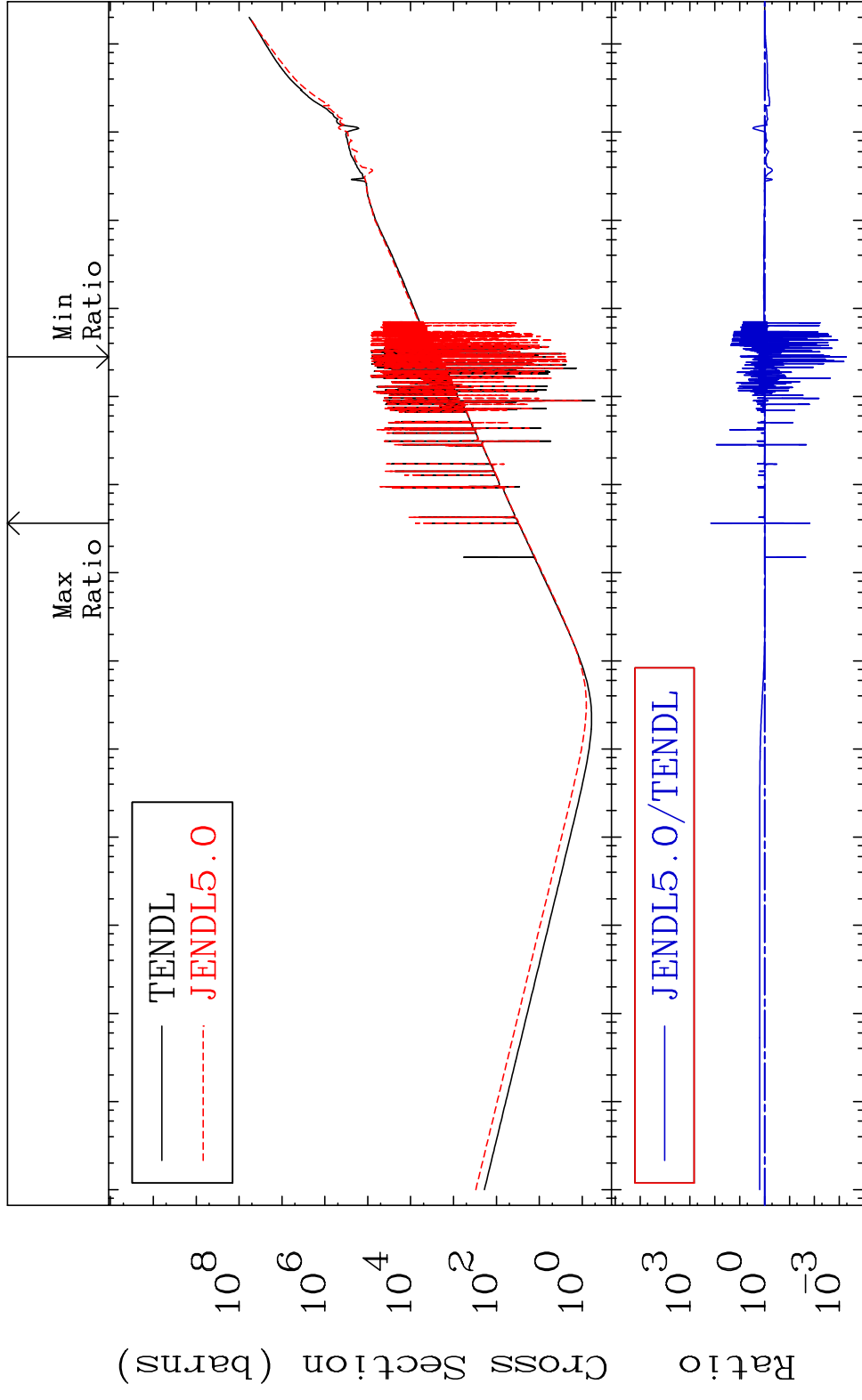


40

Incident Energy (eV)

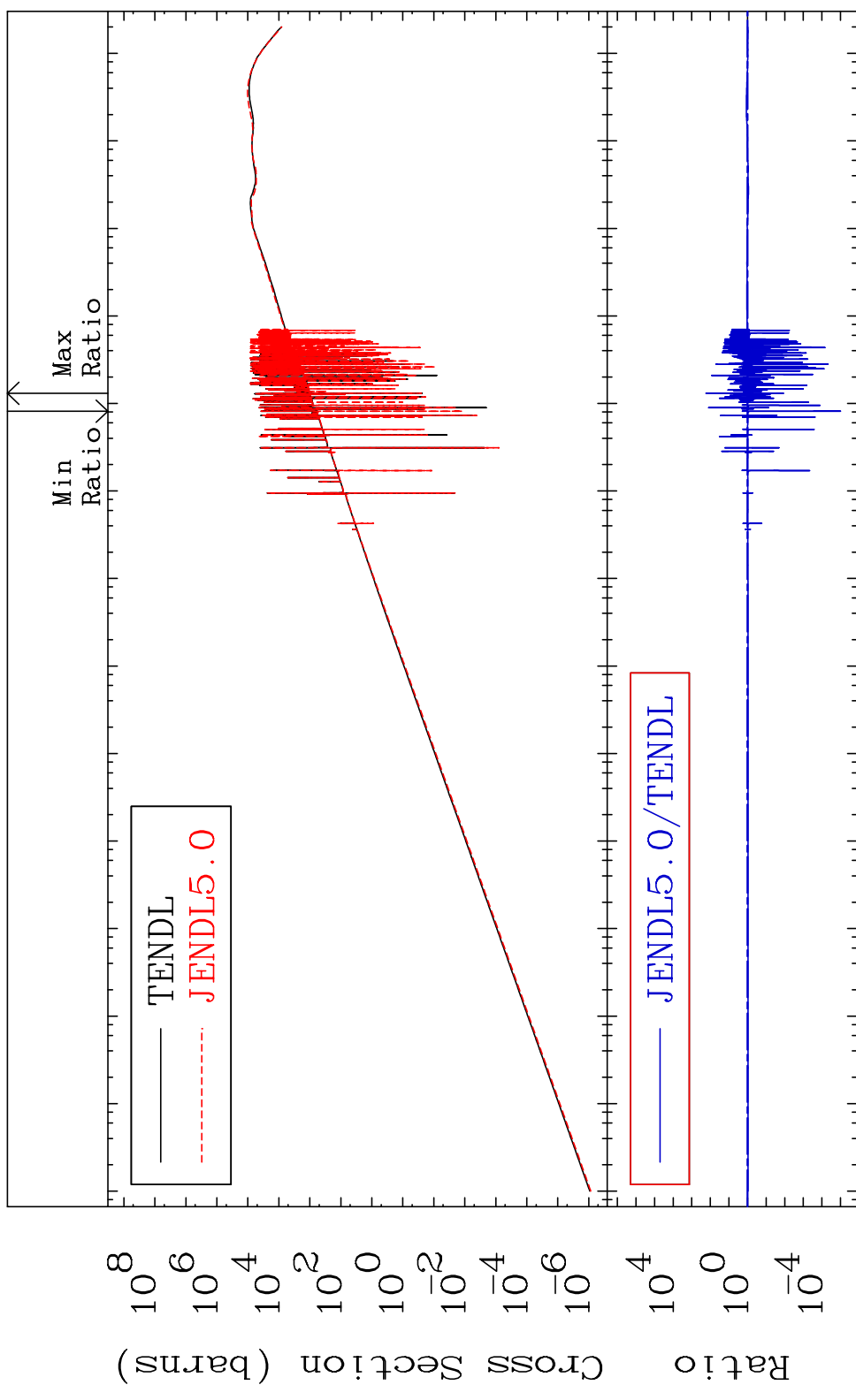
50-Sn-120

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

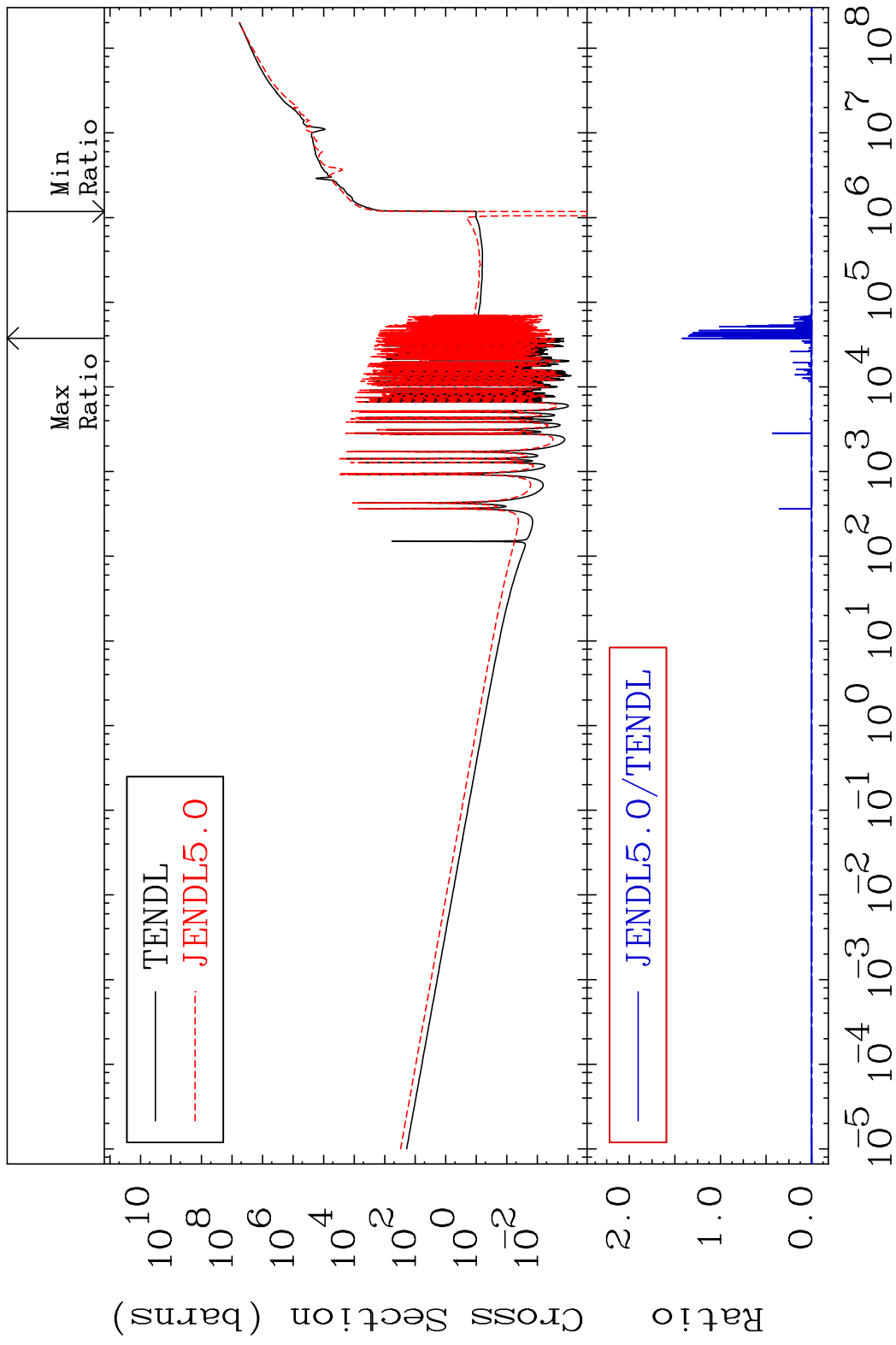


MAT 5049

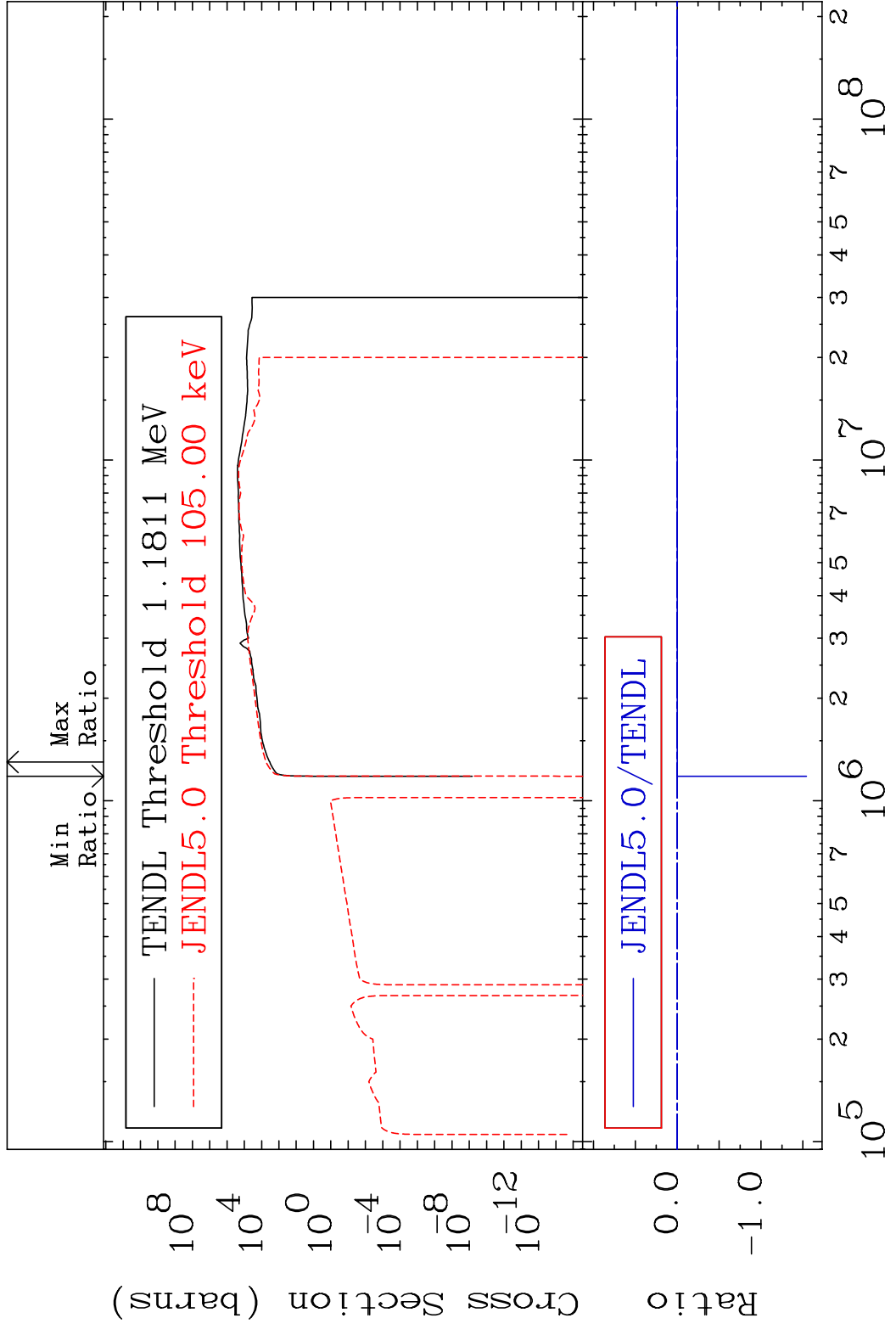
Kerma elastic Cross Section
50-Sn-120
-100.0 To 9999. %



MAT 5049 Kerma non-elastic (all but mt2) 50-Sn-120
 Cross Section -1018. To 9999. %

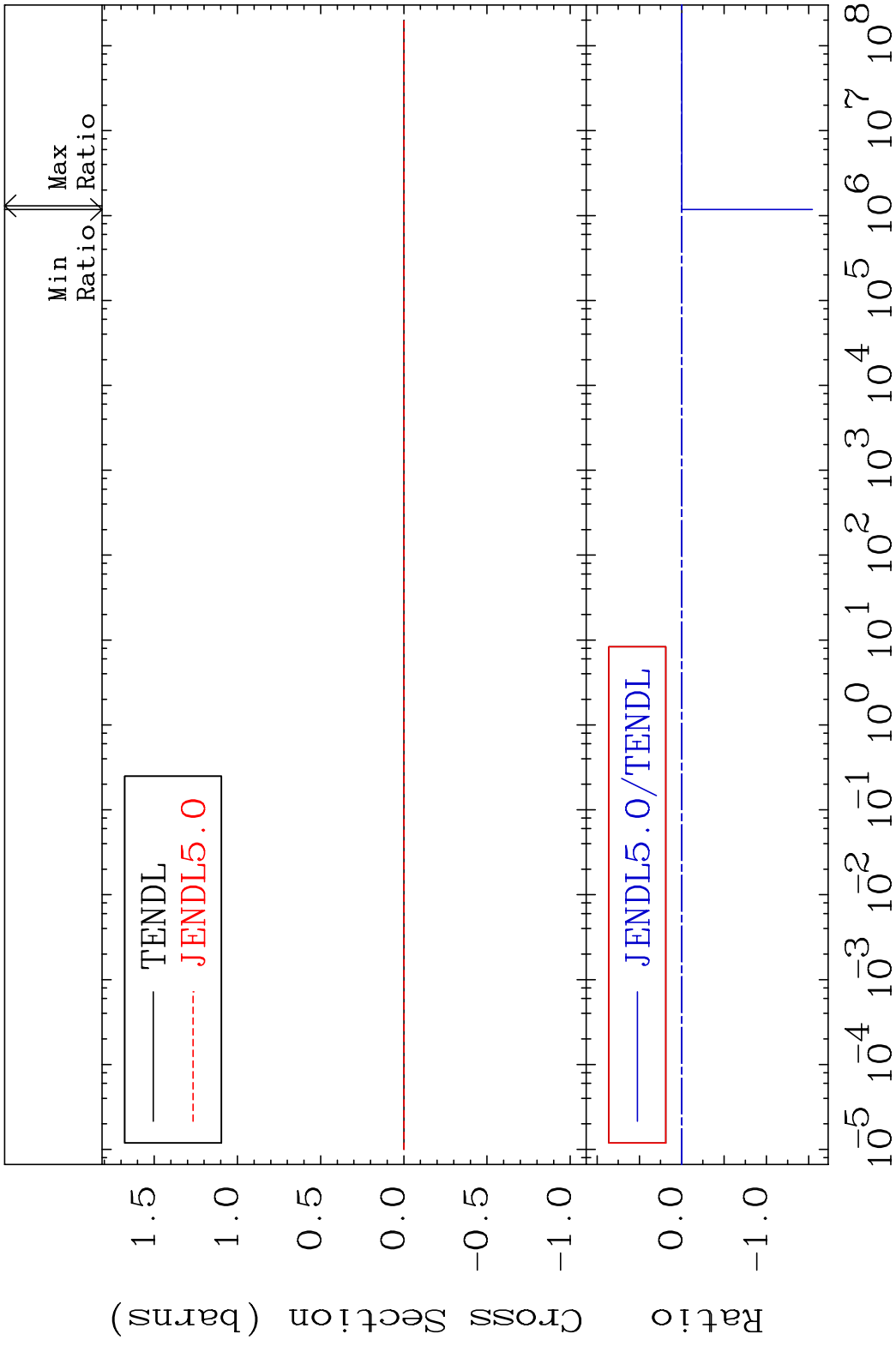


MAT 5049 Kerma inelastic (mt51-91) 50-Sn-120
 Cross Section -9999. To 65.43 %



44 Incident Energy (eV) 50-Sn-120

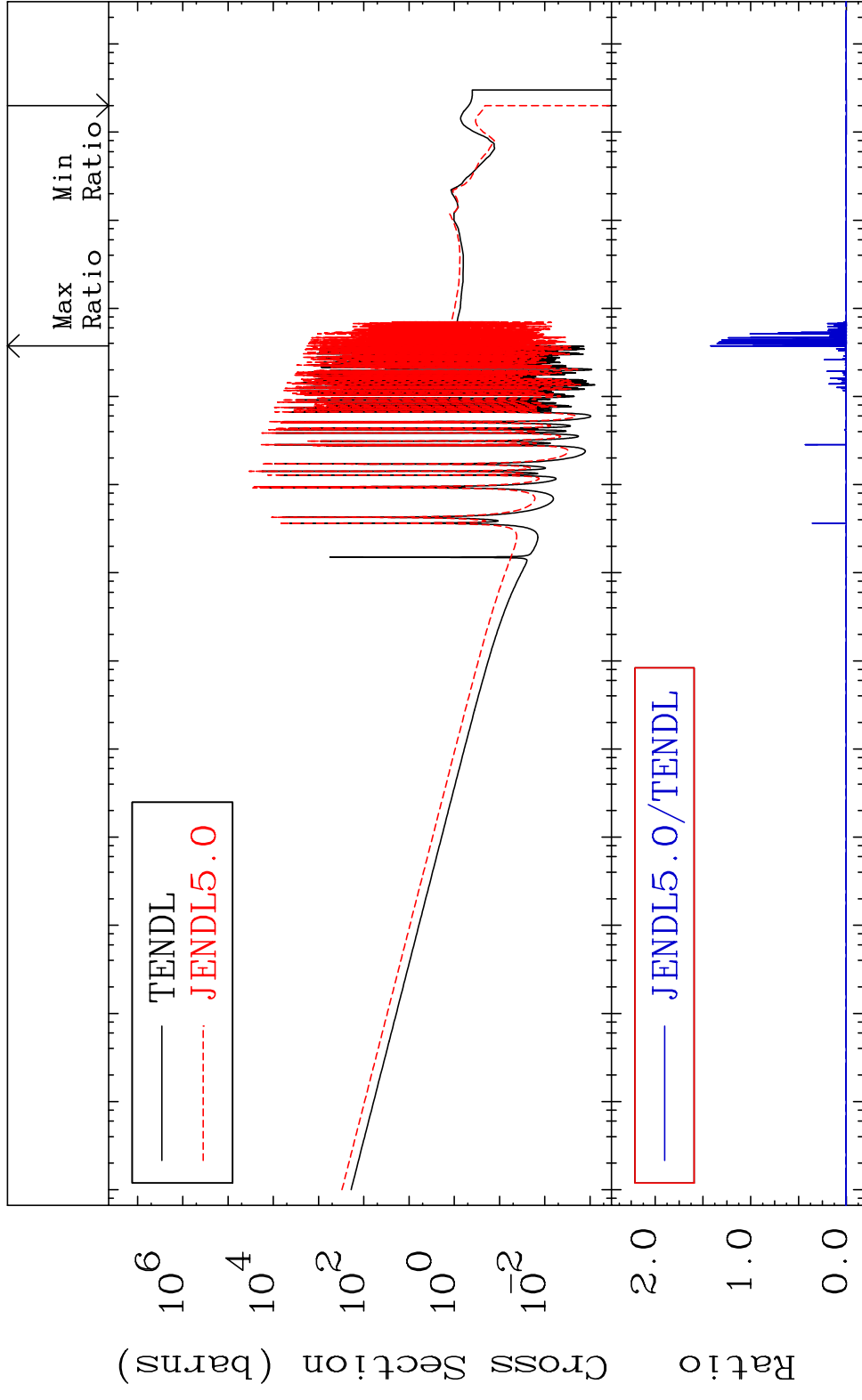
MAT 5049 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-120
 Cross Section -9999. To 65.43 %



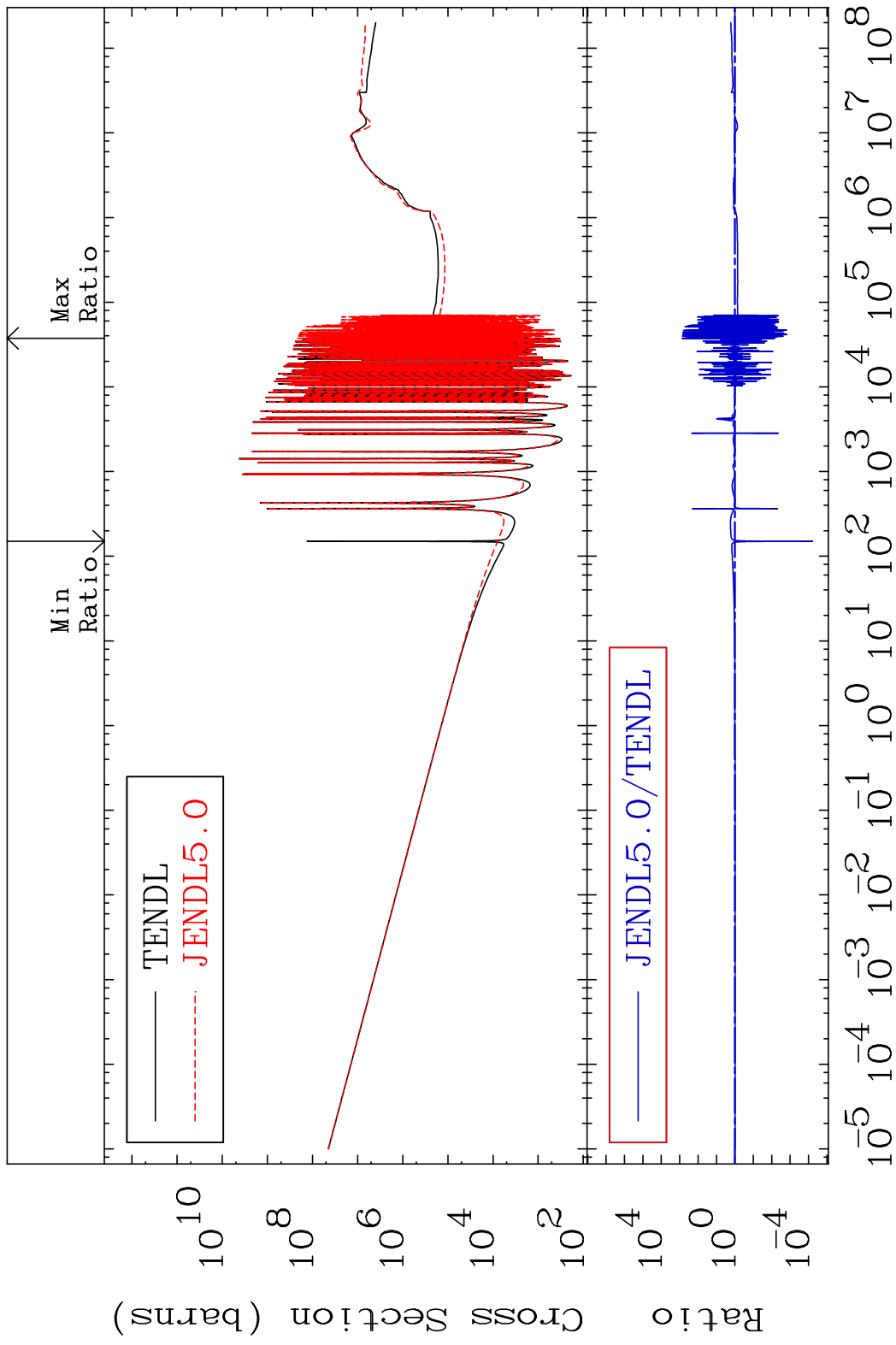
MAT 5049

Kerma capture (mt102) 50-Sn-120

Cross Section -100.0 To 9999. %

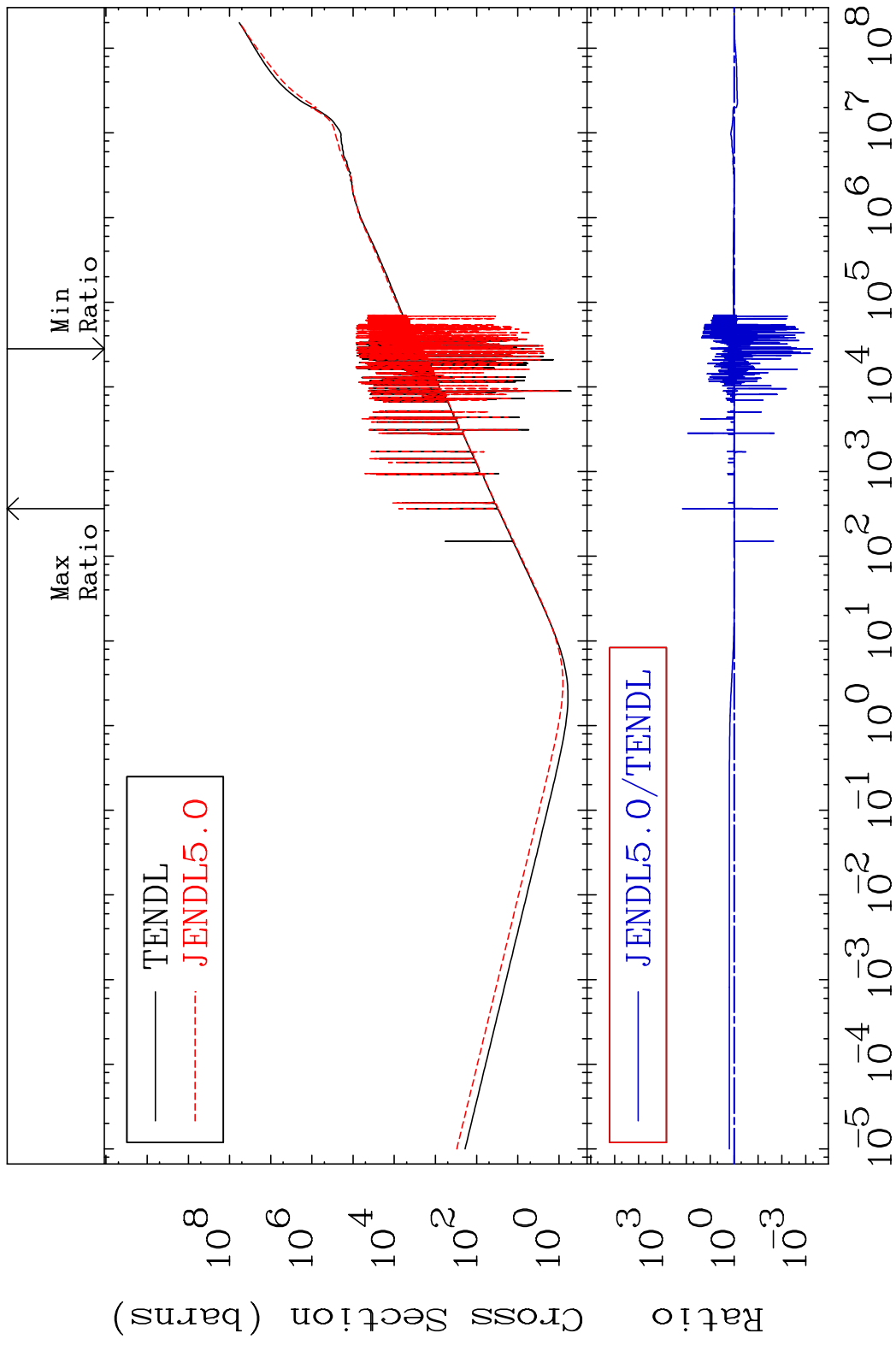


MAT 5049 Total photon (eV-barns) 50-Sn-120
 Cross Section -99.99 To 9999. %

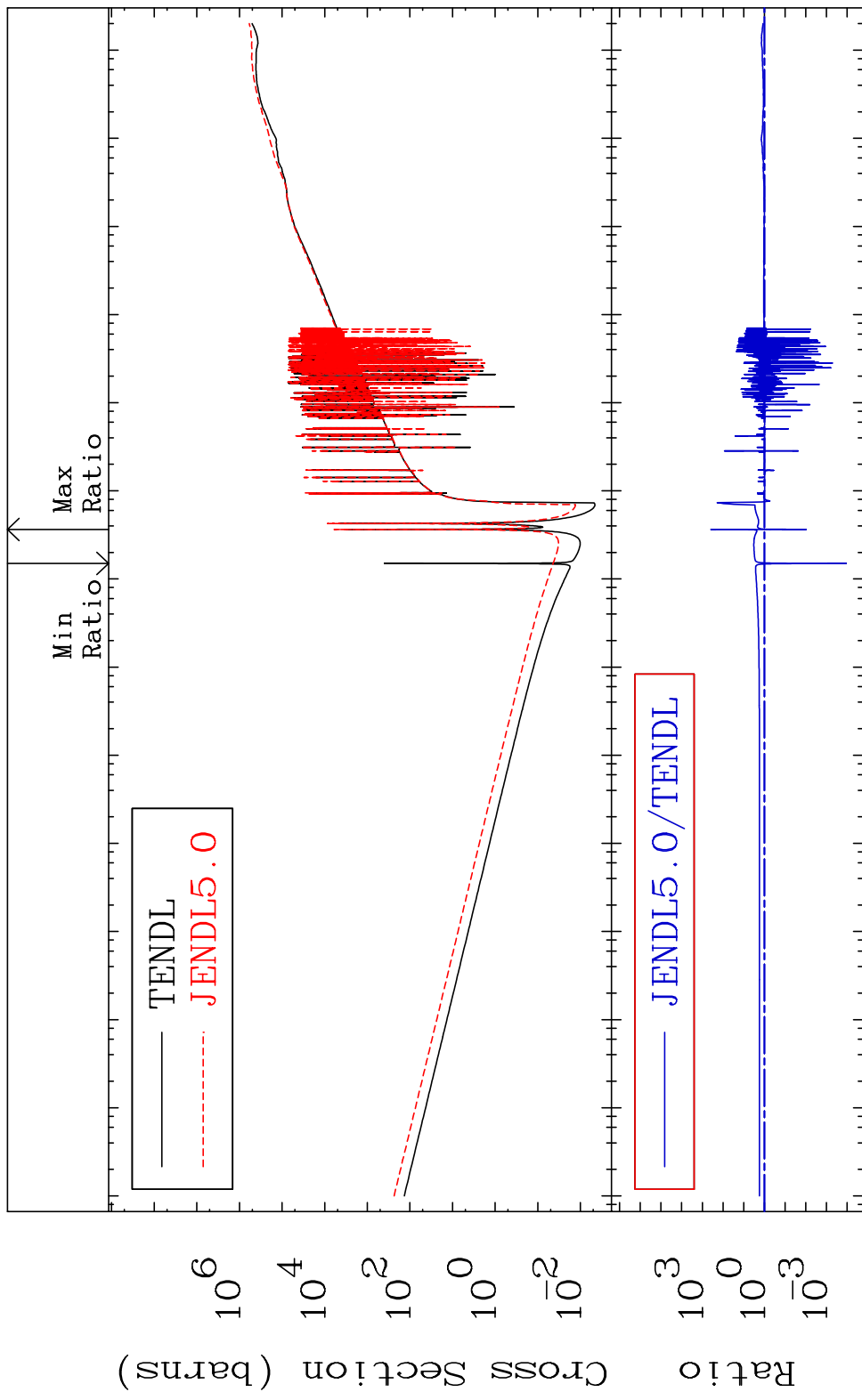


47 Incident Energy (eV) 50-Sn-120

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. %

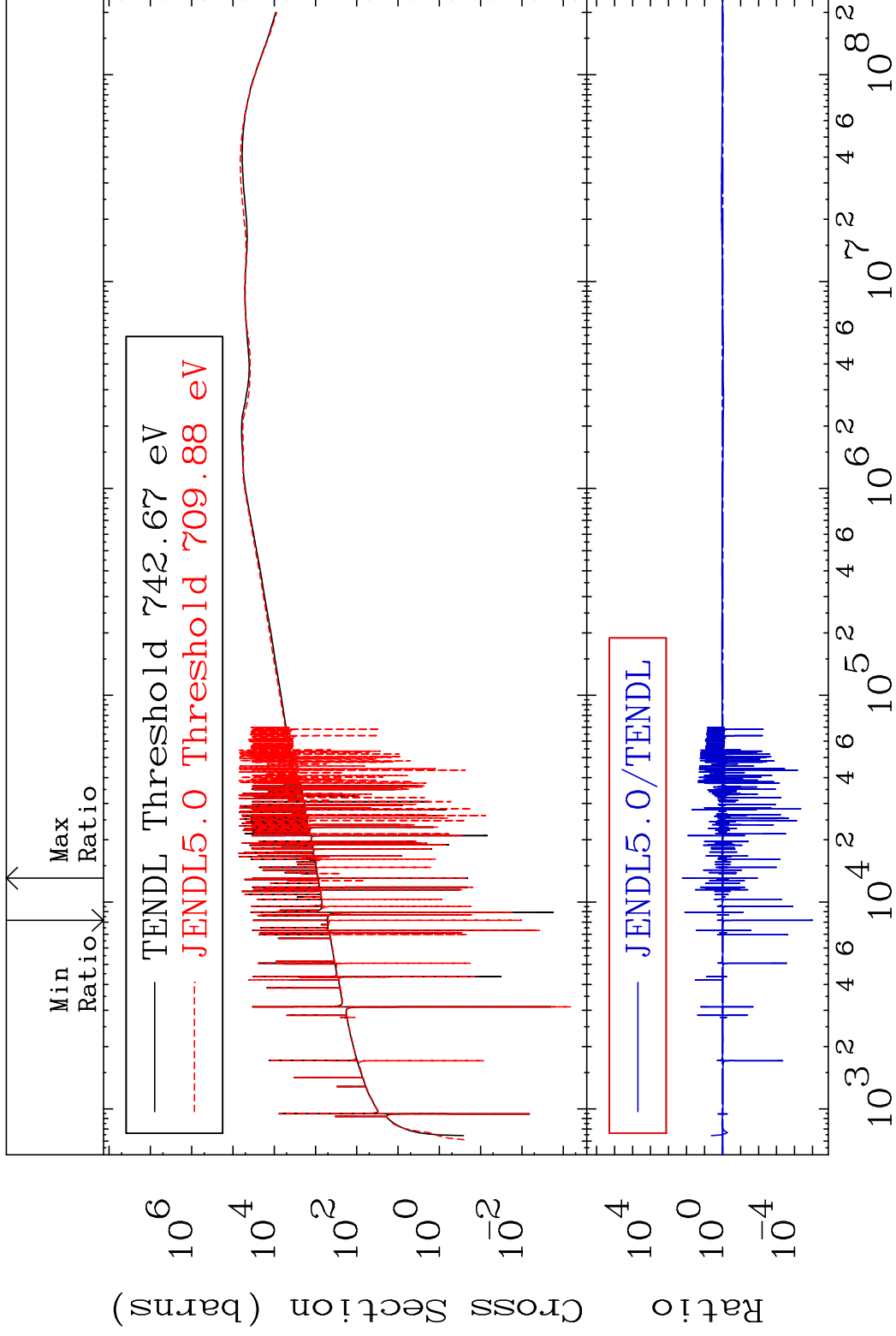


MAT 5049

Dpa elastic (mt2)

50-Sn-120

Cross Section -100.0 To 9999. %

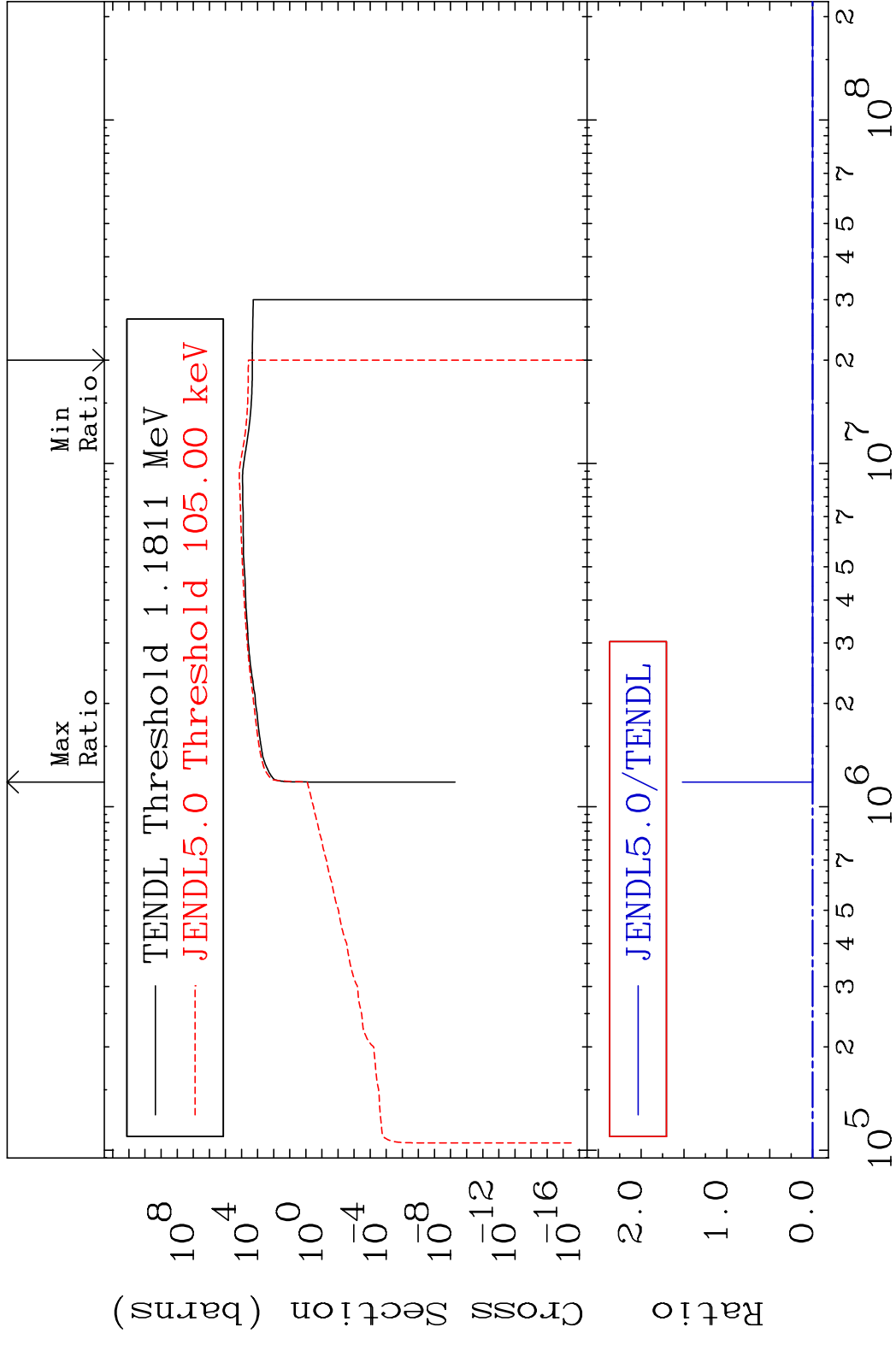


50

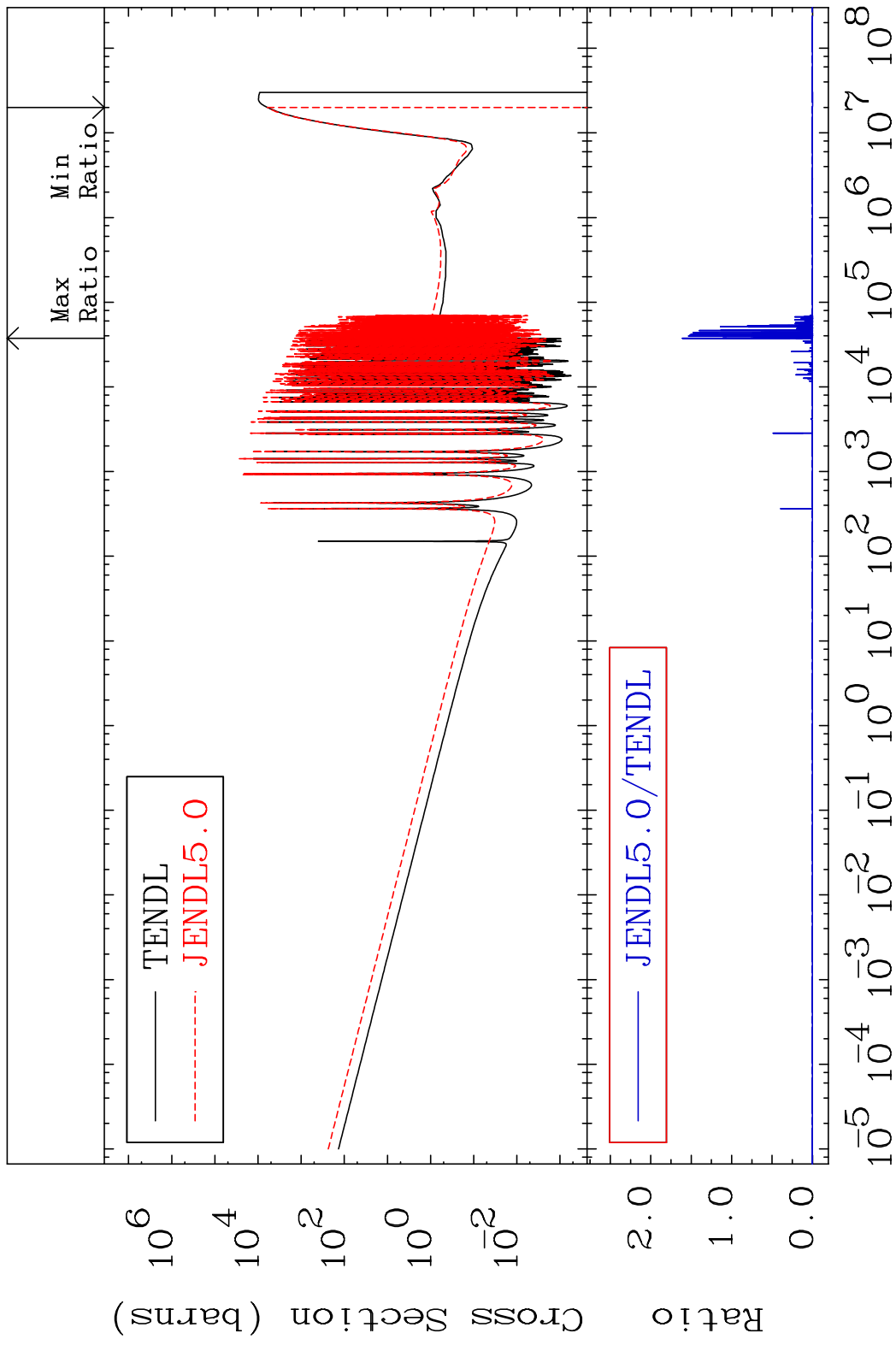
Incident Energy (eV)

50-Sn-120

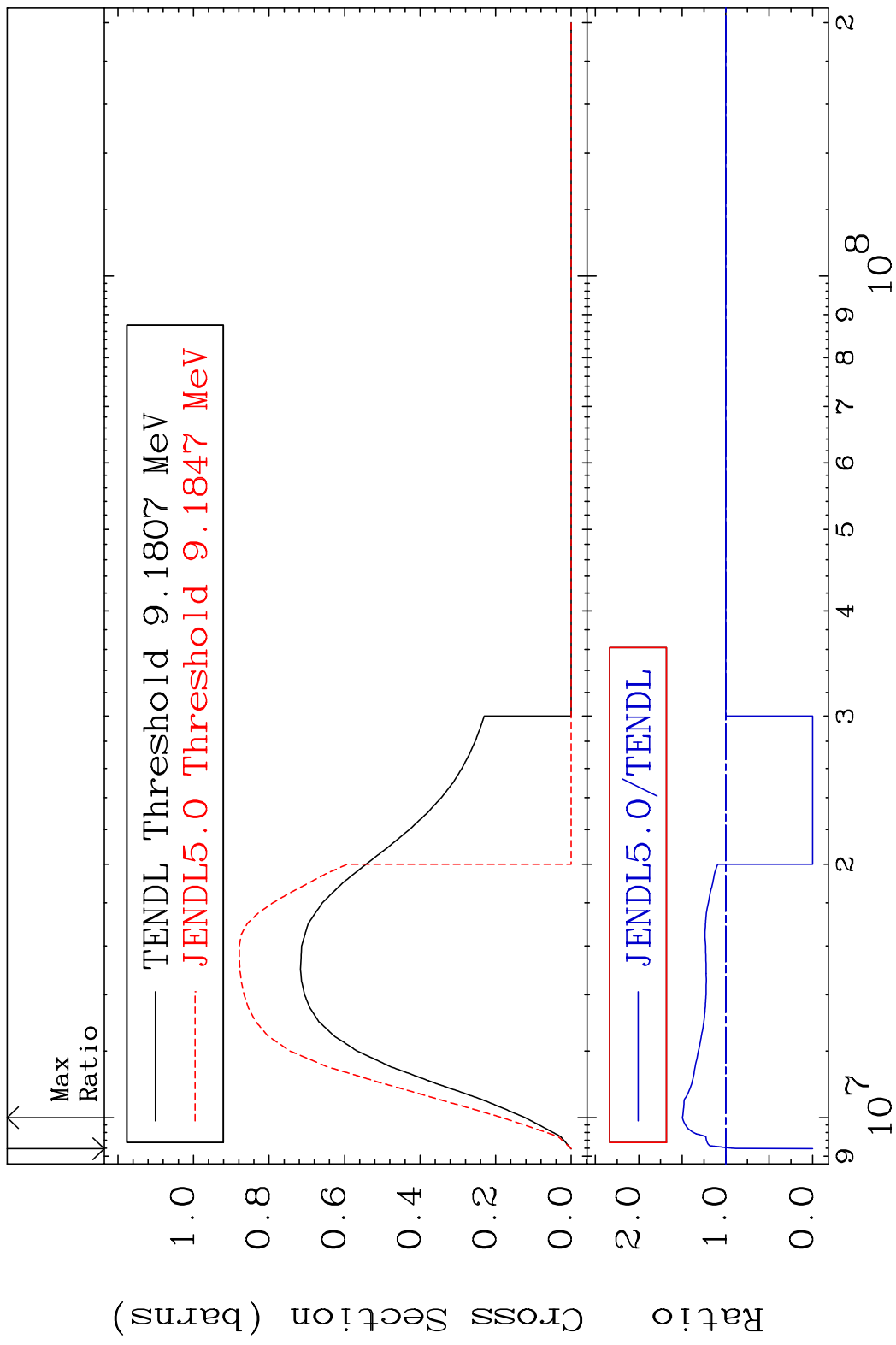
MAT 5049 Dpa inelastic (mt51-91) 50-Sn-120
 Cross Section -100.0 To 9999. %



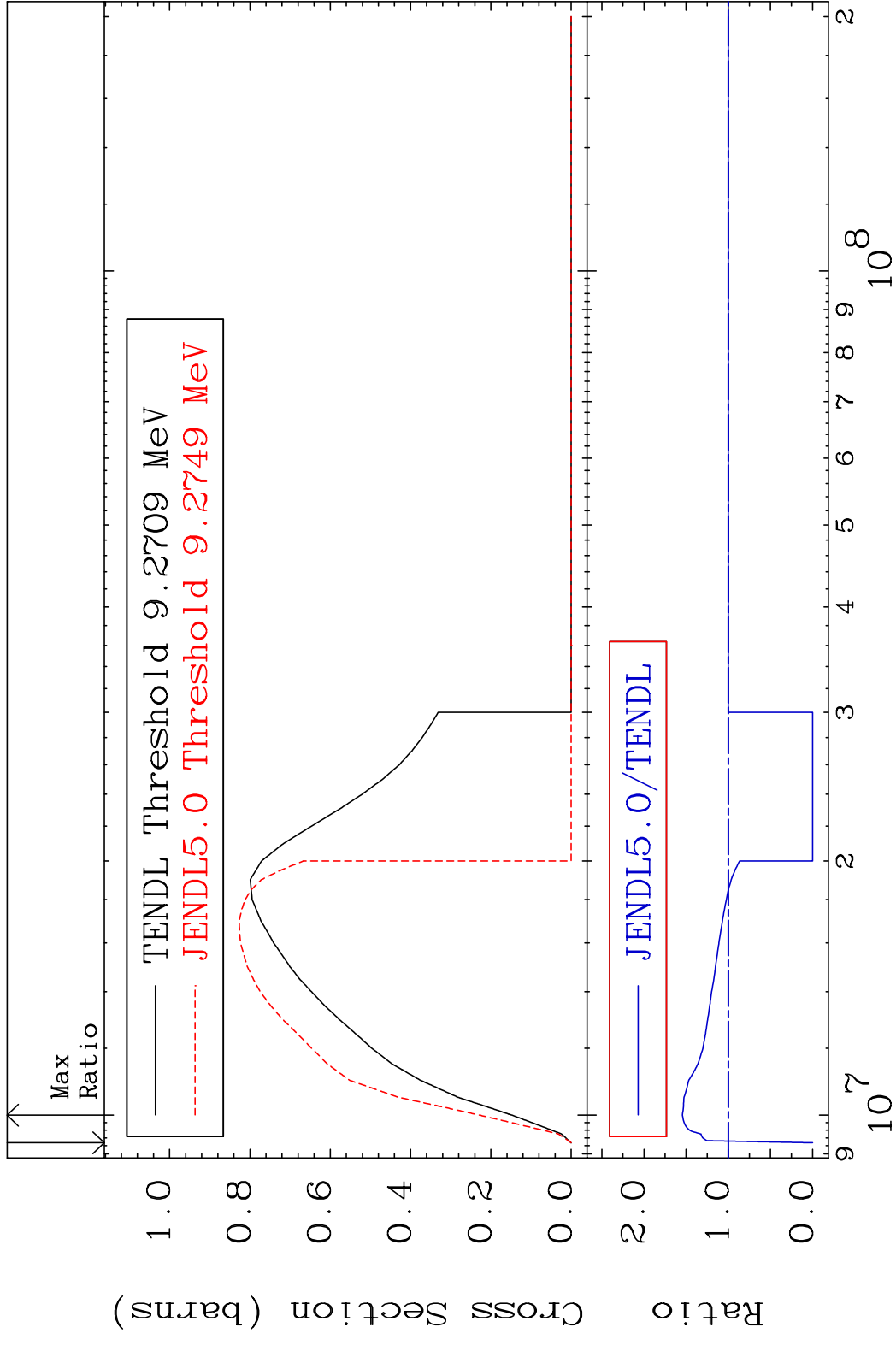
MAT 5049 Dpa disappearance (mt102 -120) 50-Sn-120
 Cross Section -100.0 To 9999. %

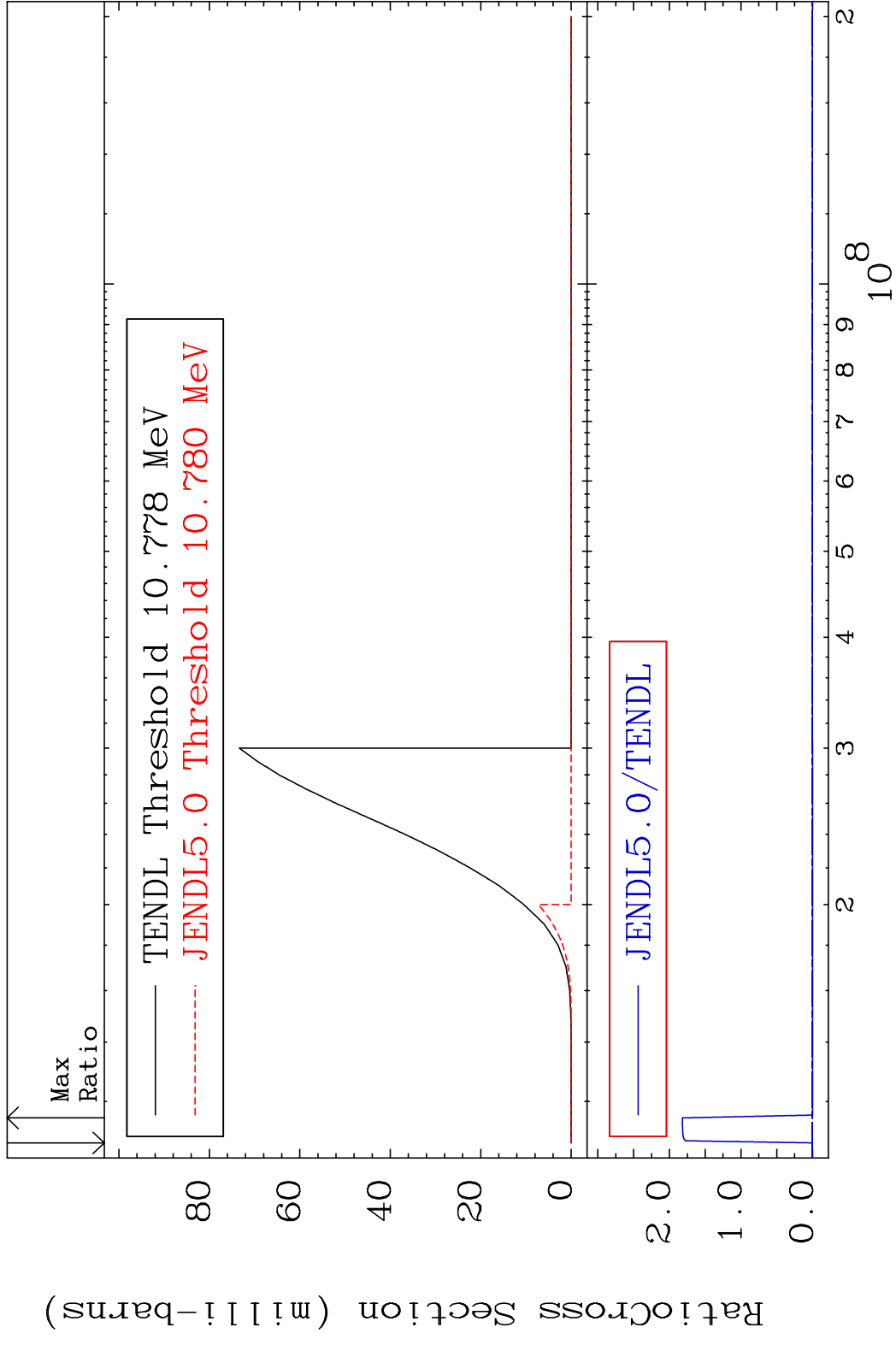


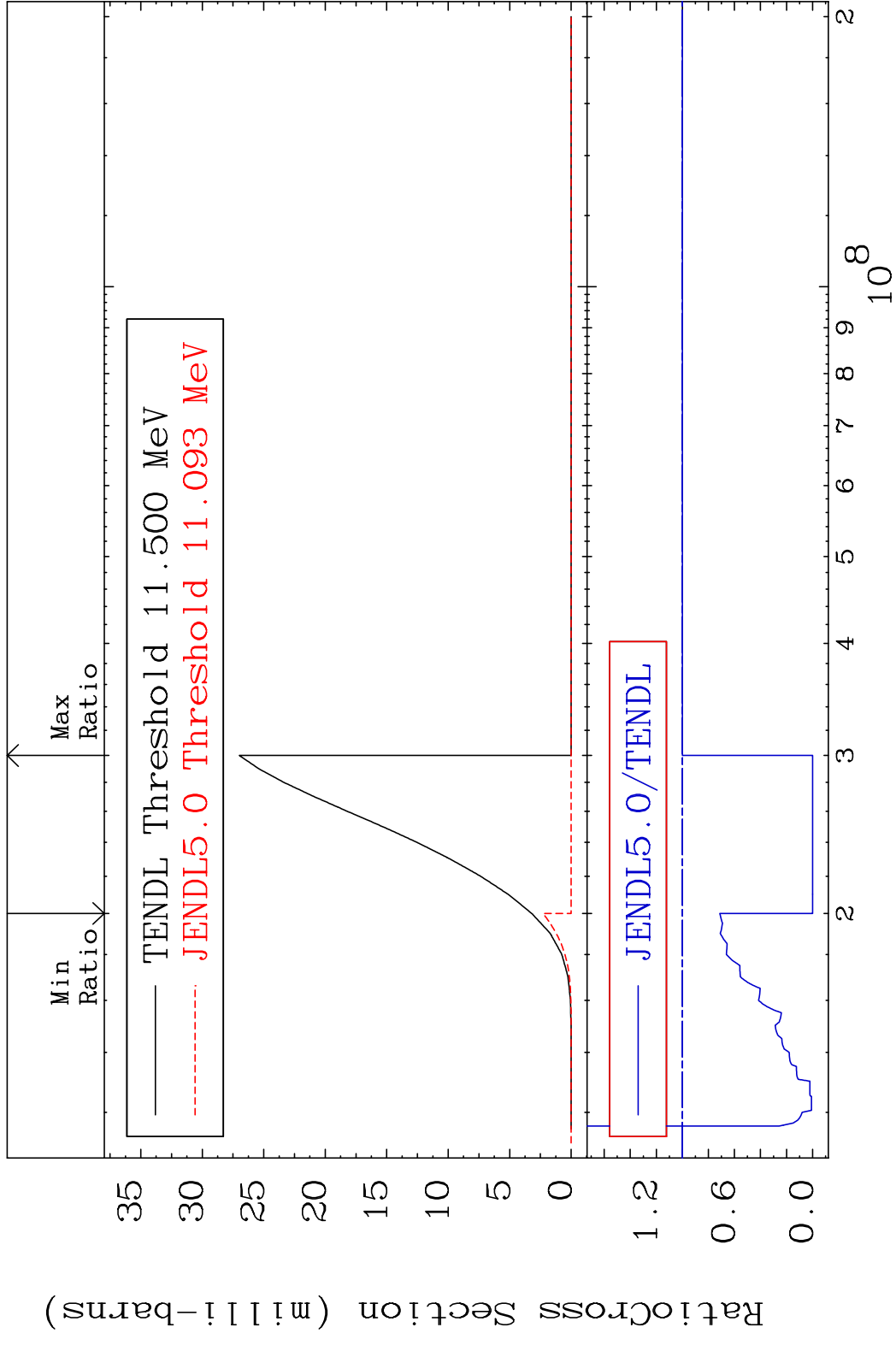
MAT 5049 (n,2n):50-Sn-119g 50-Sn-120
 Radionuclide Production Cross Section Ratio 49.87 %



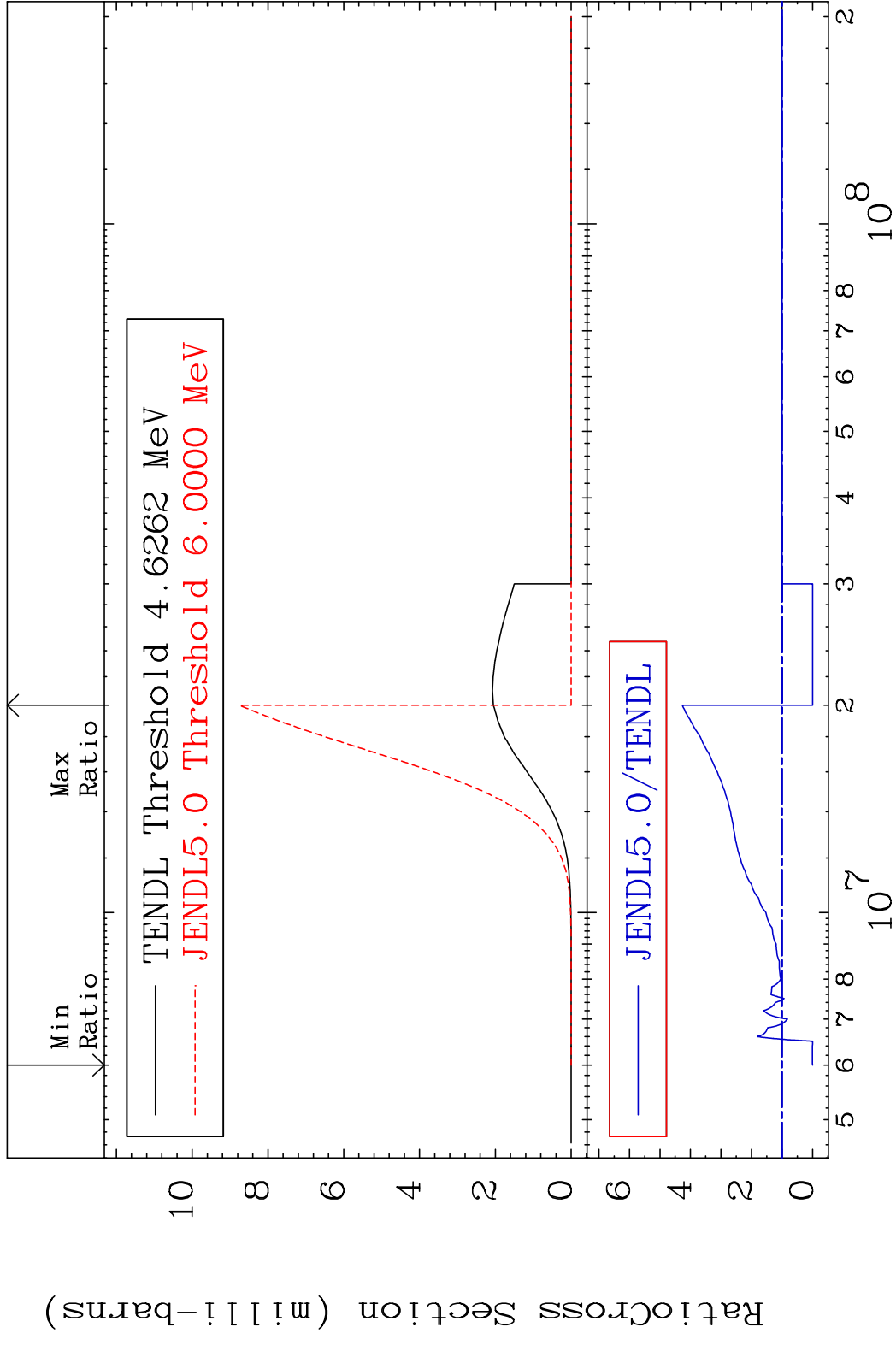
MAT 5049 (n,2n):50-Sn-119m2 50-Sn-120
 Radionuclide Production Cross Section Ratio 54.50 %



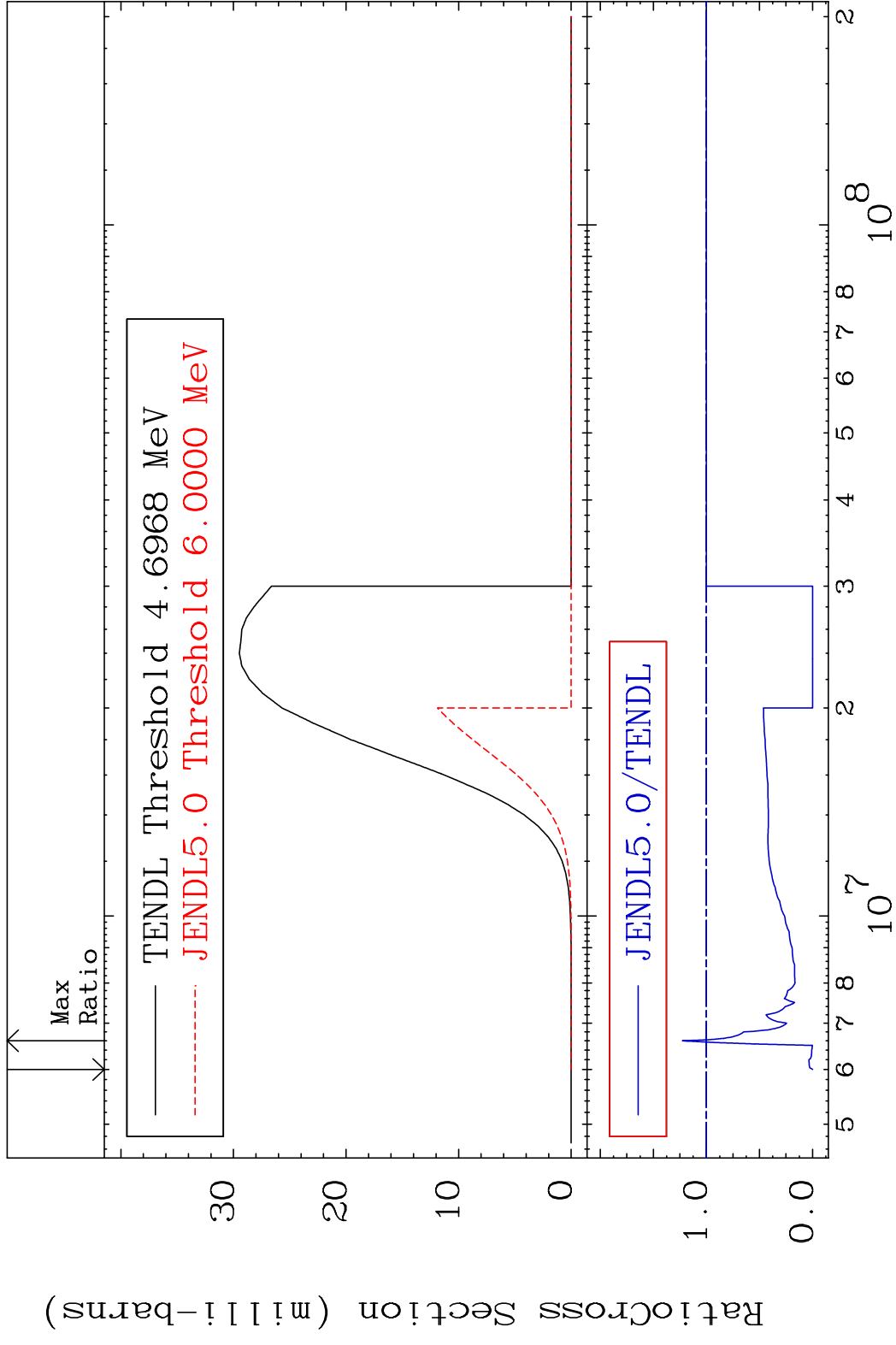




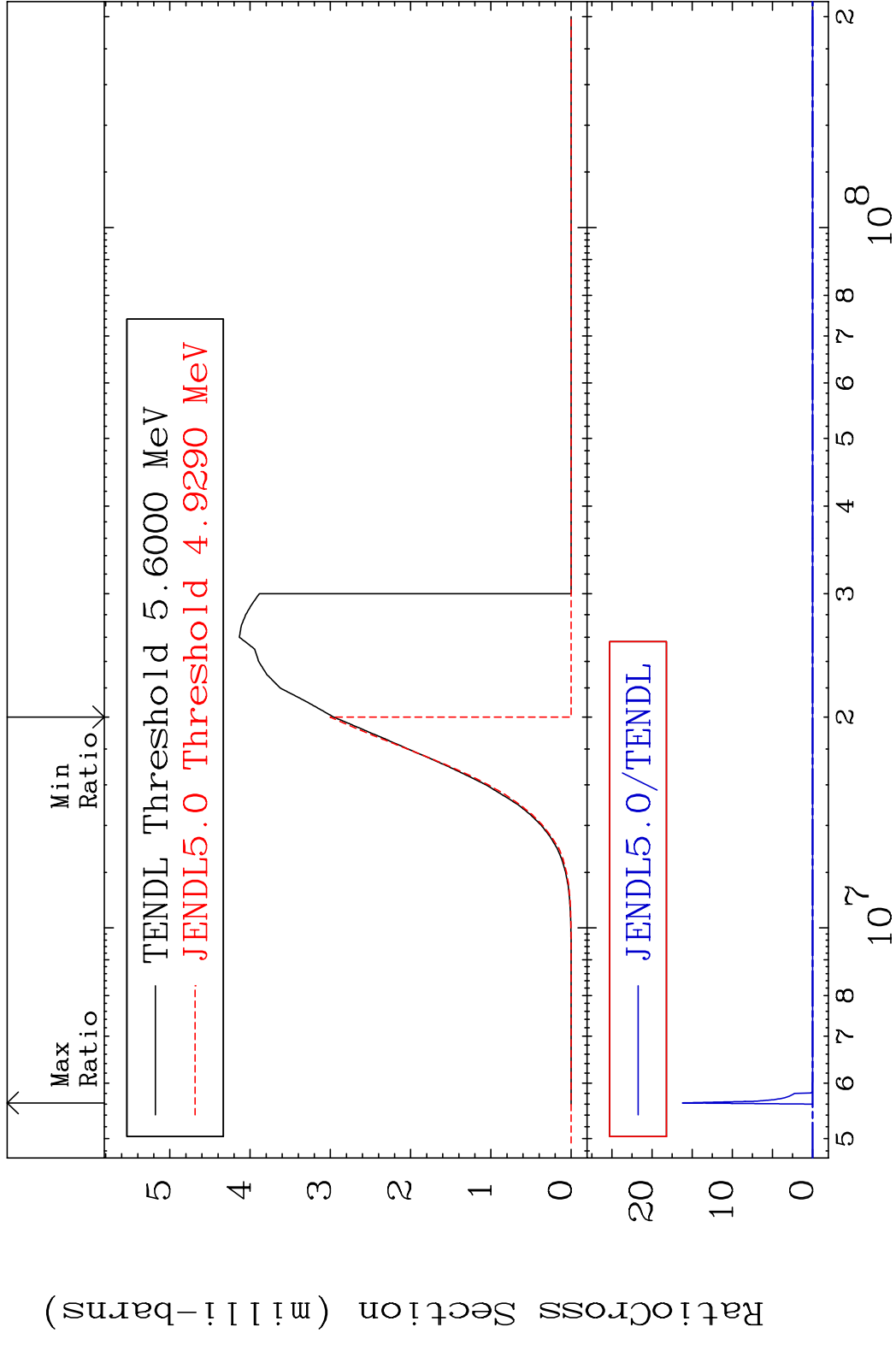
MAT 5049 (n,p):49-In-120g 50-Sn-120
 Radionuclide Production Cross Section 180.0 dth 326.6 %



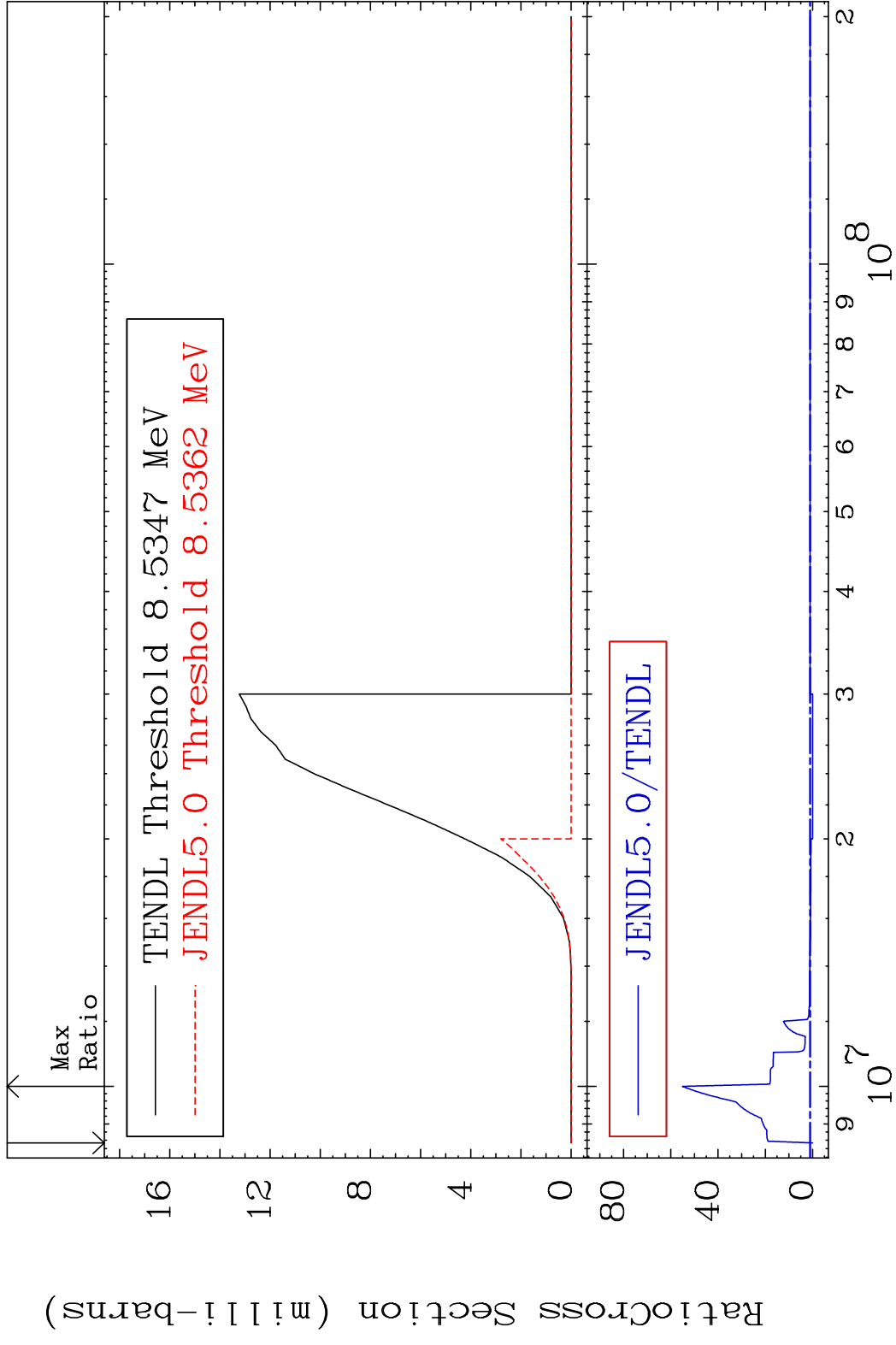
MAT 5049 (n, p): 49-In-120m1 50-Sn-120
 Radionuclide Production Cross Section 180.0 mb 22.68 %



MAT 5049 (n, p): 49-In-120m2 50-Sn-120
 Radionuclide Production Cross Section 100% 9999. %

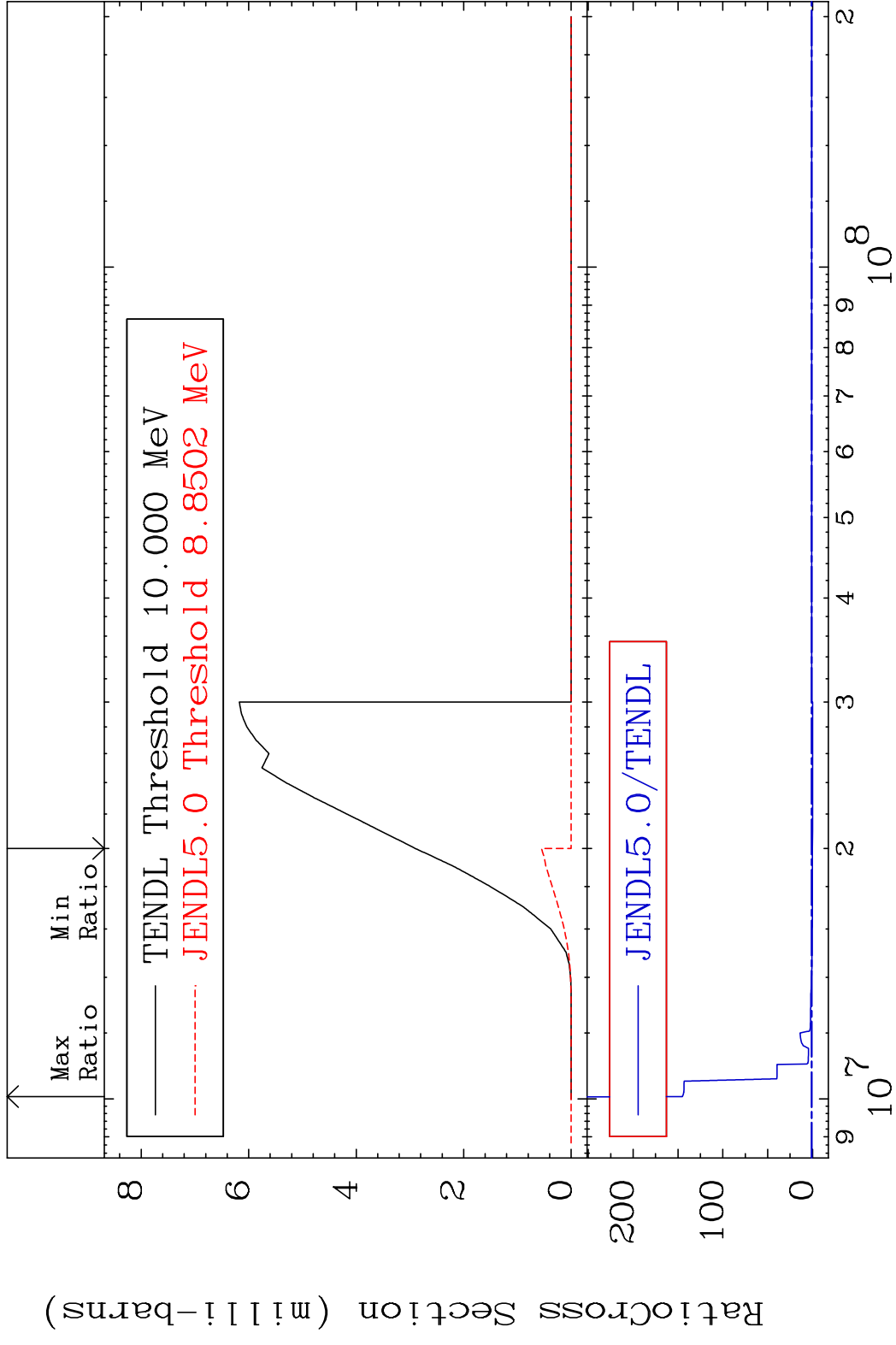


MAT 5049 (n,d):49-In-119g 50-Sn-120
 Radionuclide Production Cross Section Ratio 5411. %



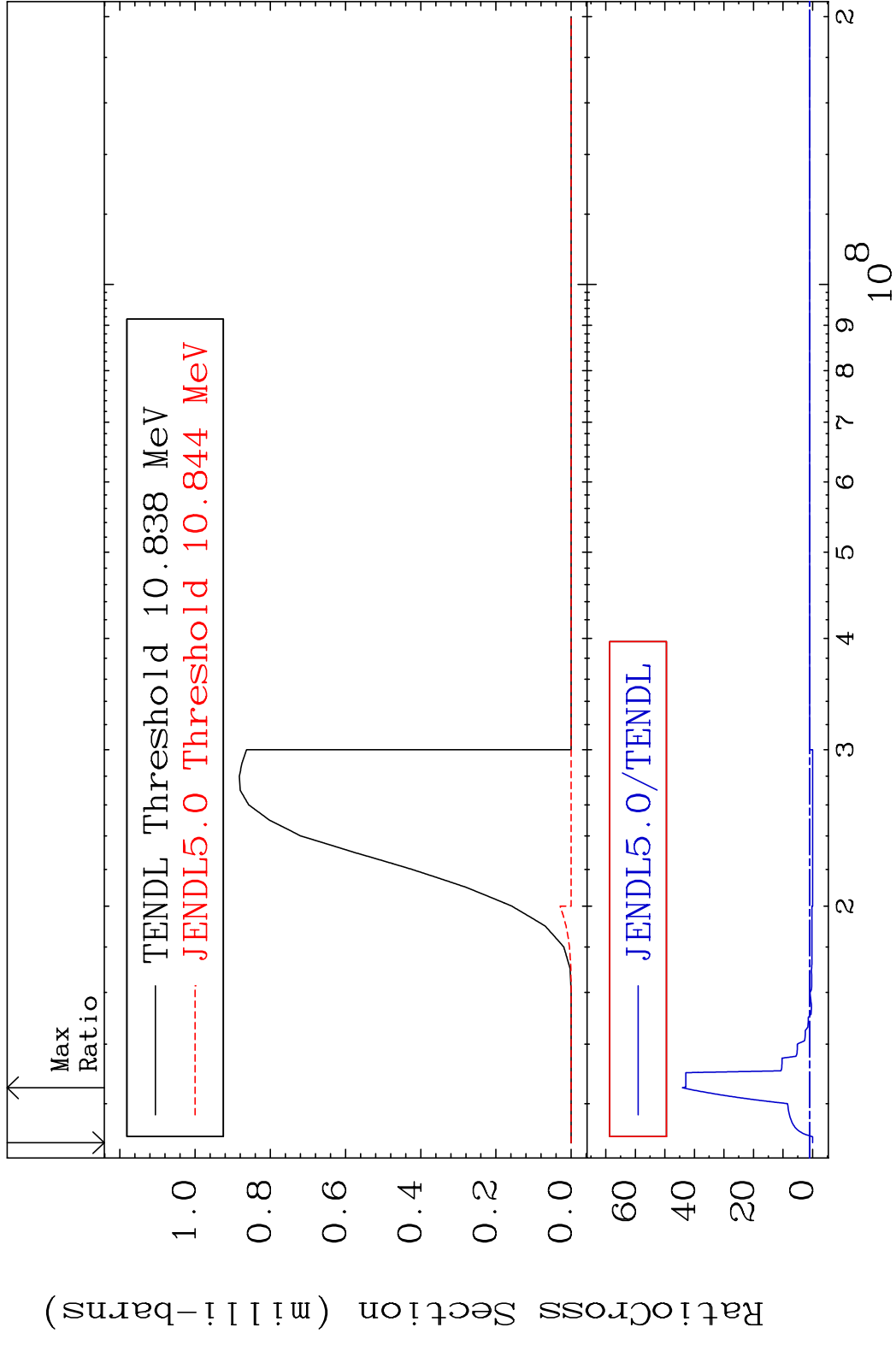
60 Incident Energy (eV) 50-Sn-120

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



61 Incident Energy (eV) 50-Sn-120

MAT 5049 (n,t):49-In-118g 50-Sn-120
 Radionuclide Production Cross Section 4308. %



MAT 5049 (n, t): 49-In-118m1 50-Sn-120
 Radionuclide Production Cross Section 180.01 dth 5036. %

