

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

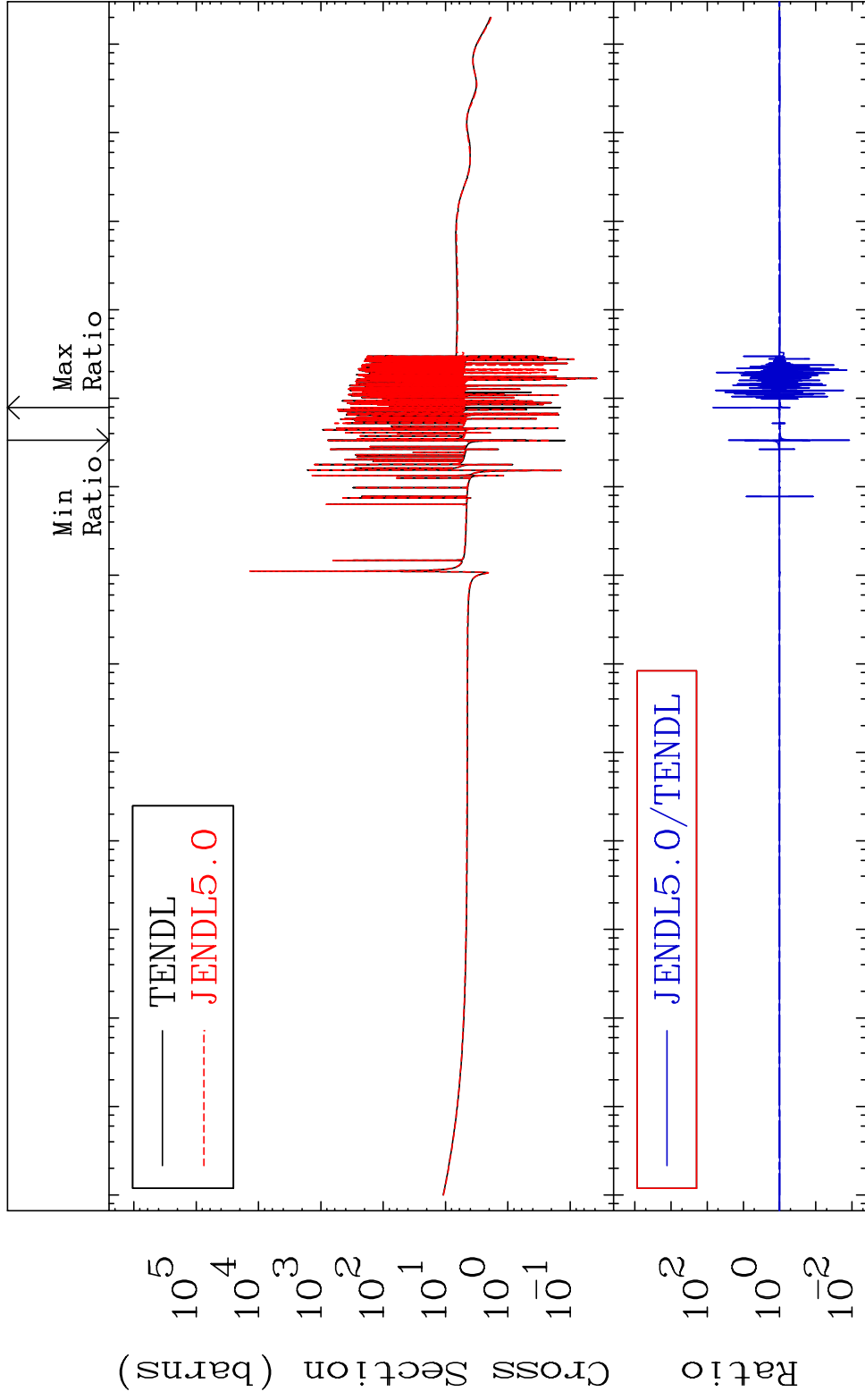
MAT 5037

Total

50-Sn-116

Cross Section

-98.81 To 6727. %



1

Incident Energy (eV)

50-Sn-116

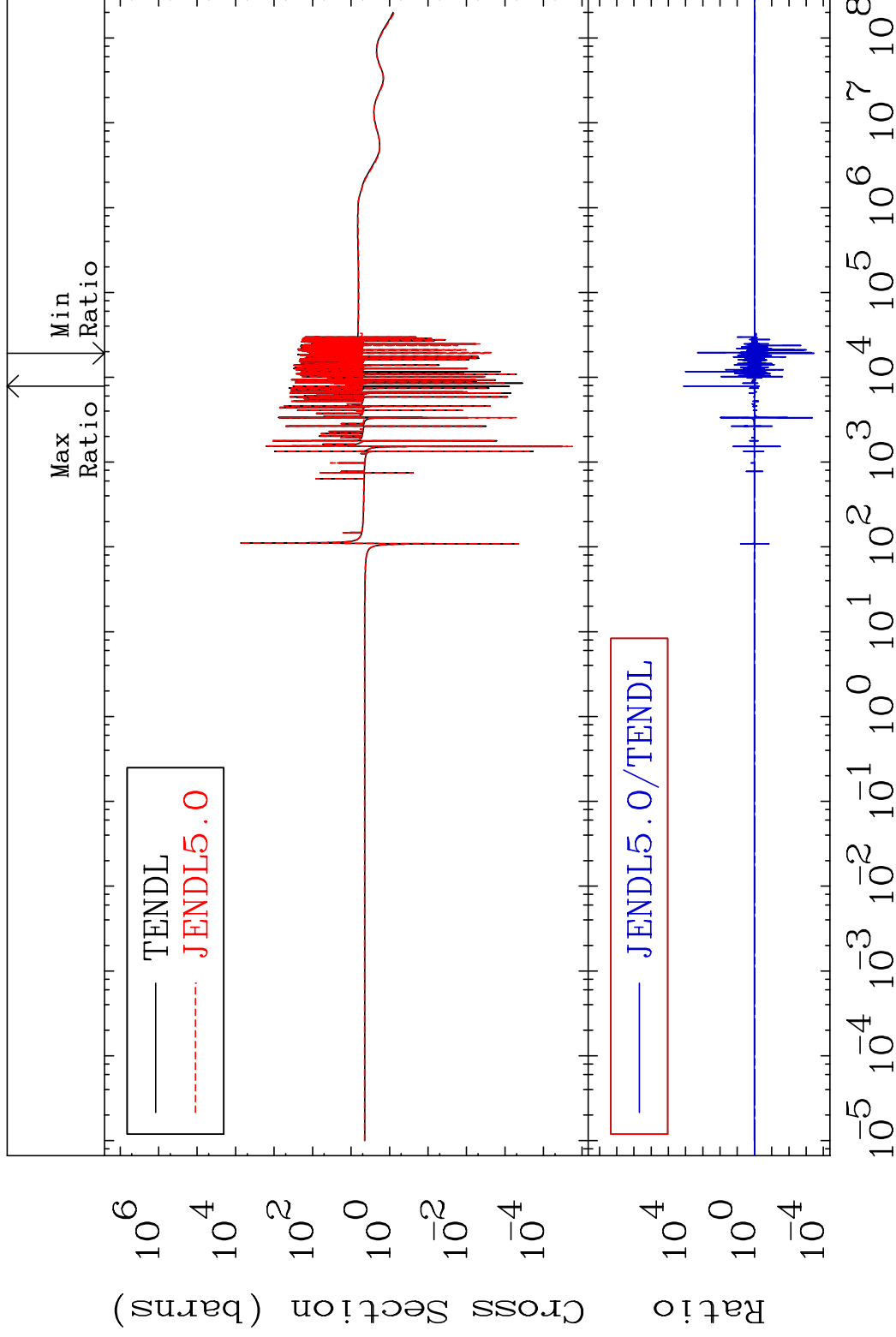
MAT 5037

Elastic

50-Sn-116

Cross Section

-99.97 To 9999. %

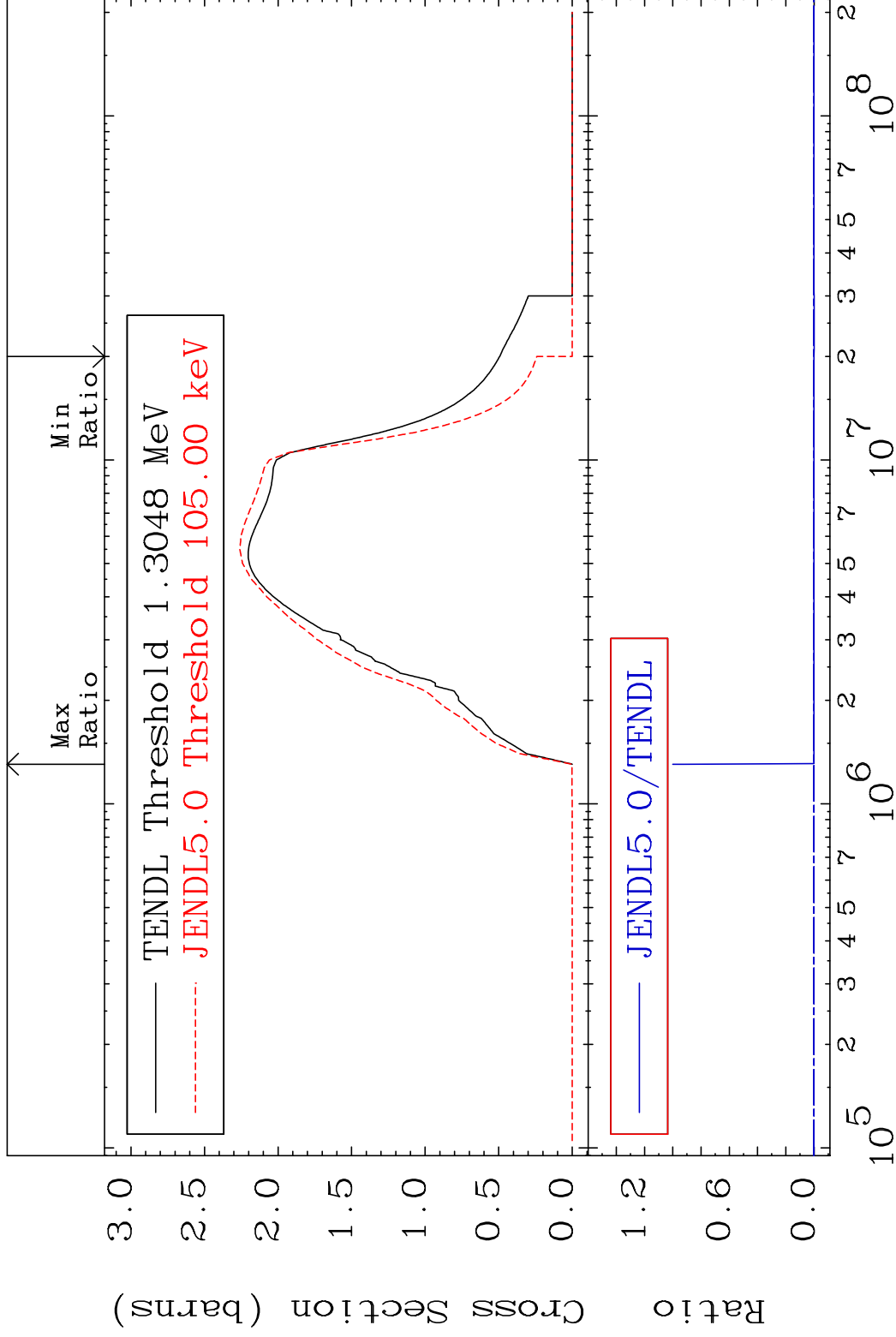


MAT 5037

Inelastic

50-Sn-116

Cross Section -100.0 To 9999. %



3

Incident Energy (eV)

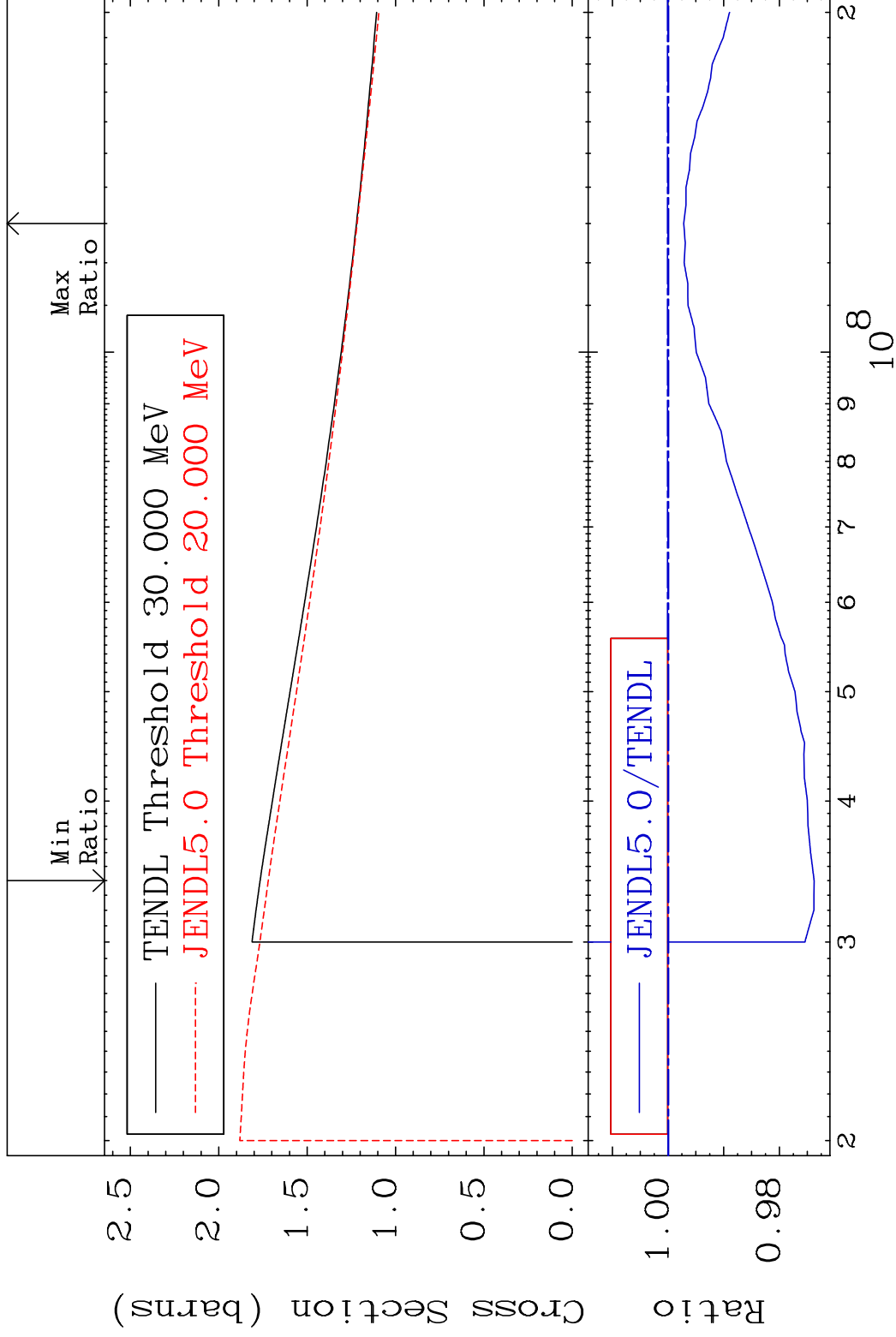
50-Sn-116

MAT 5037

(n, remainder)

50-Sn-116

Cross Section -2.623 To -0.281%



4

Incident Energy (eV)

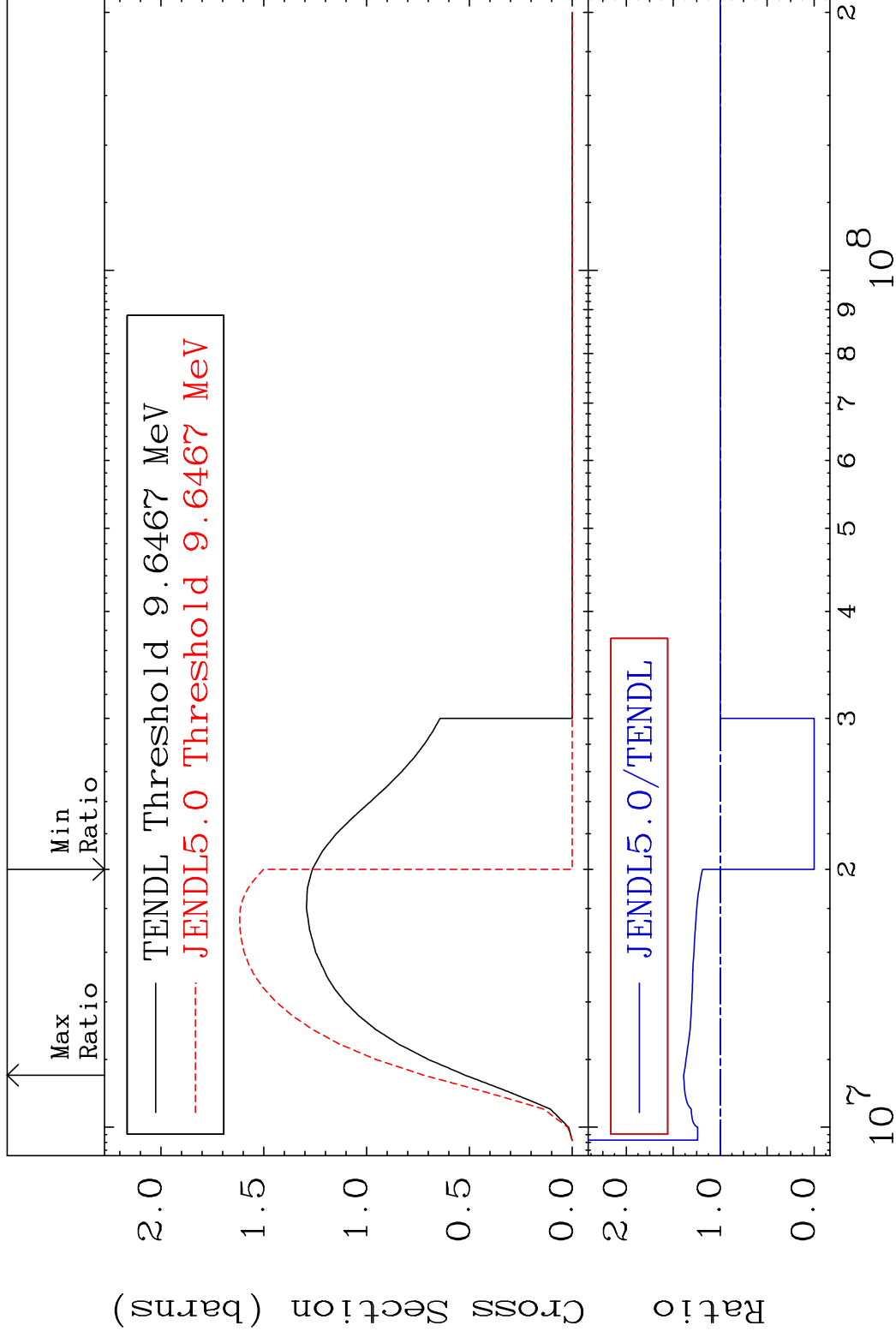
50-Sn-116

MAT 5037

(n,2n)

50-Sn-116

Cross Section -100.0 To 38.88 %

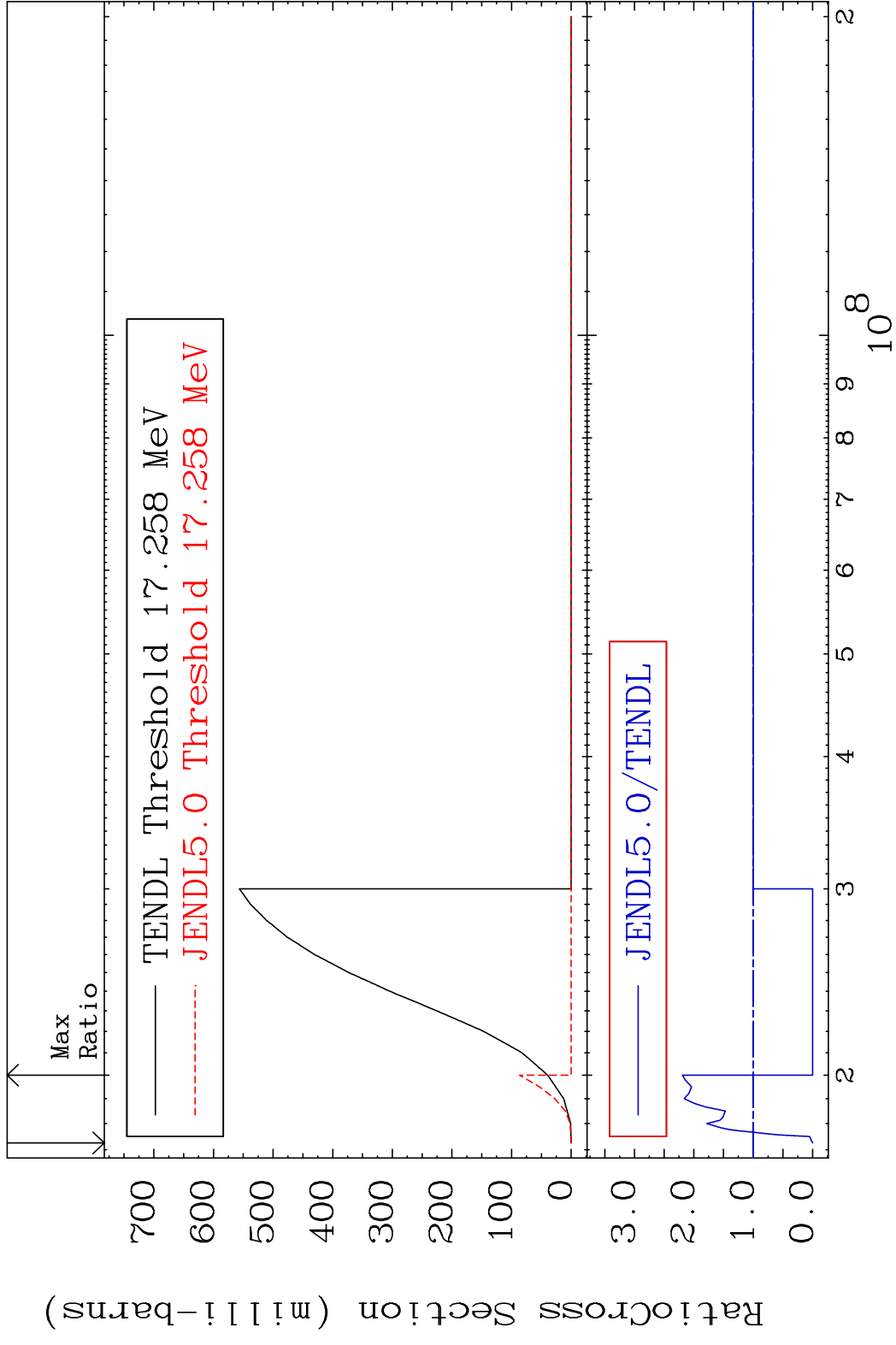


5

Incident Energy (eV)

50-Sn-116

MAT 5037 (n,3n) 50-Sn-116
 Cross Section -100.0 To 119.4 %

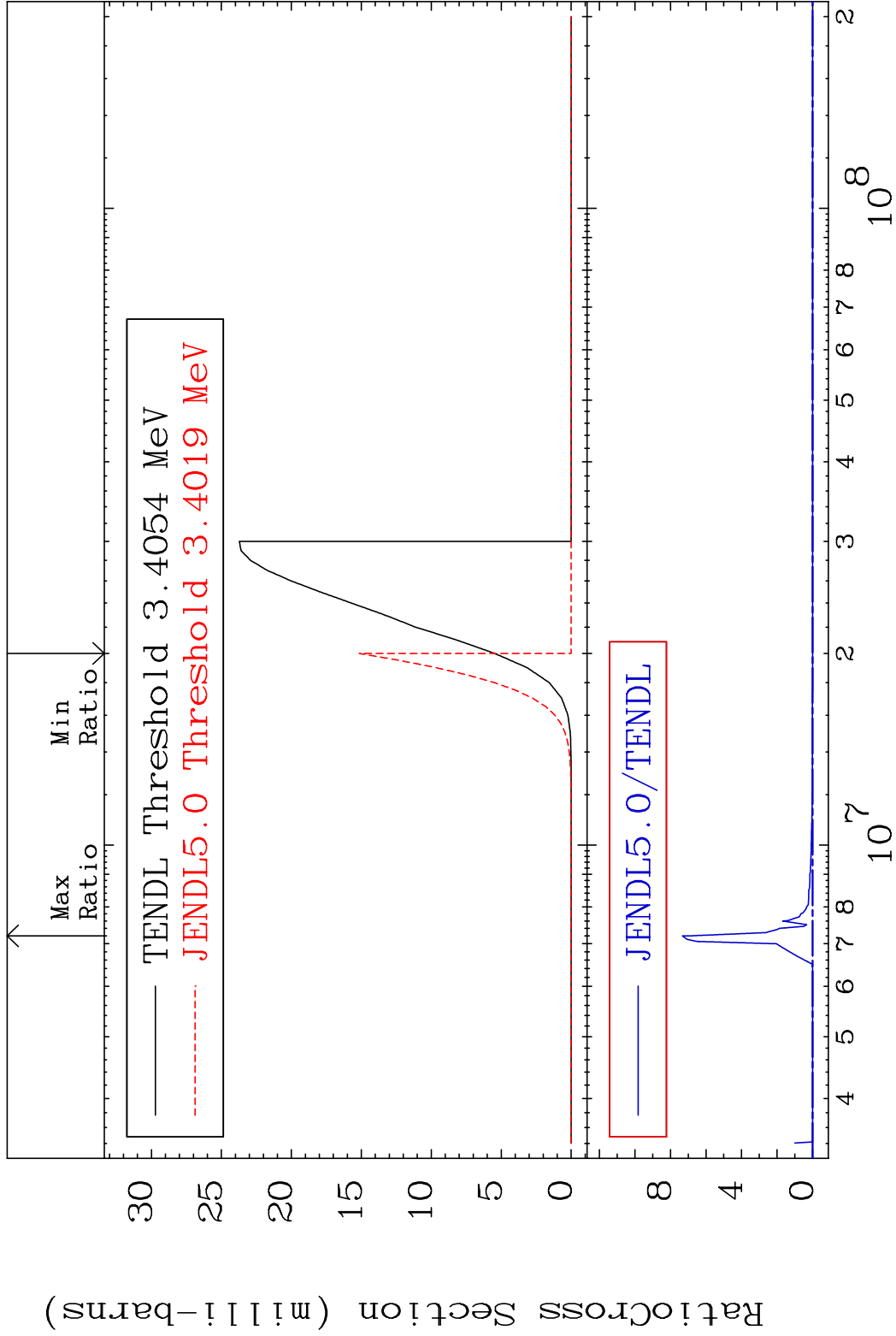


MAT 5037

(n, n') α

50-Sn-116

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

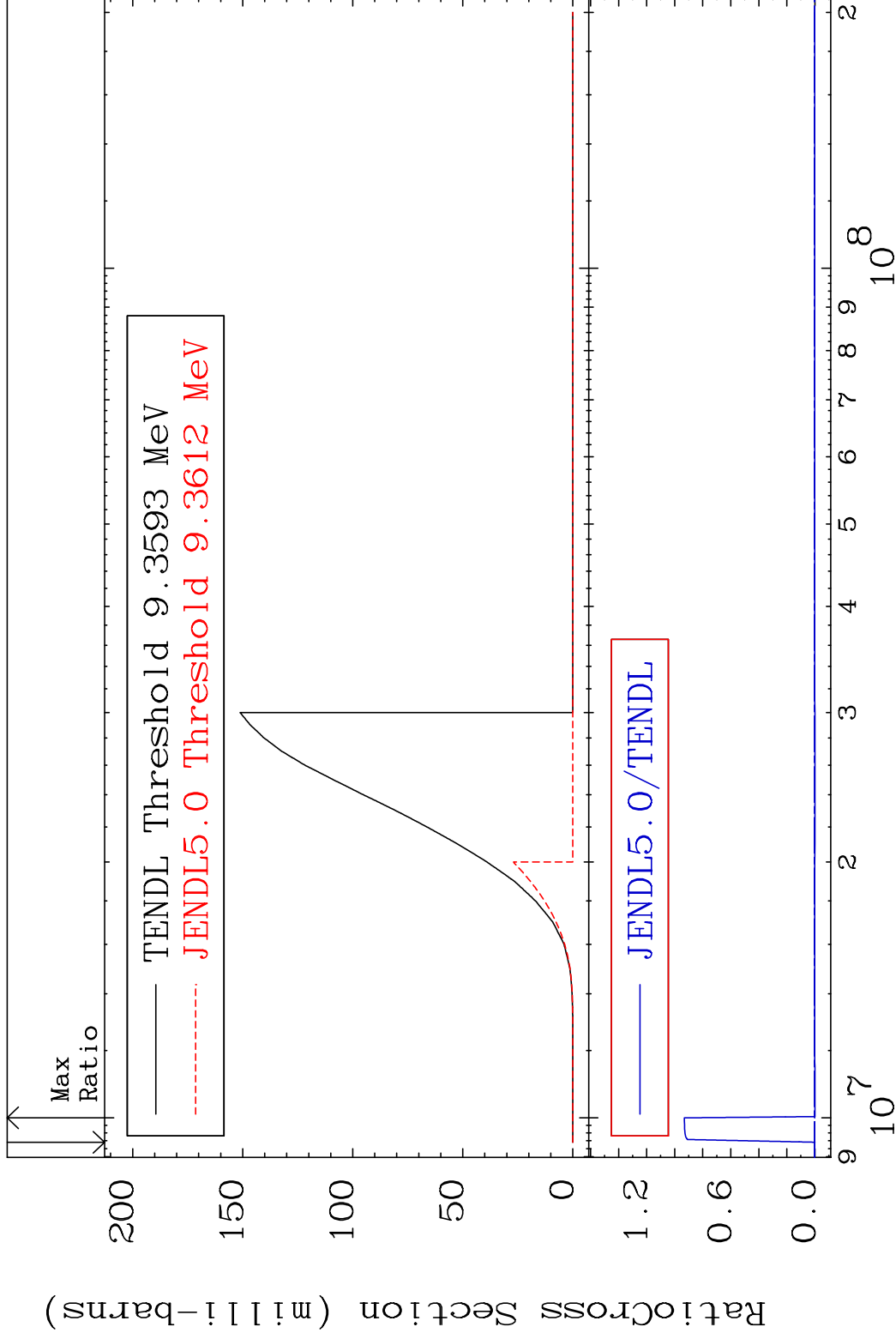
50-Sn-116

MAT 5037

(n, n') p

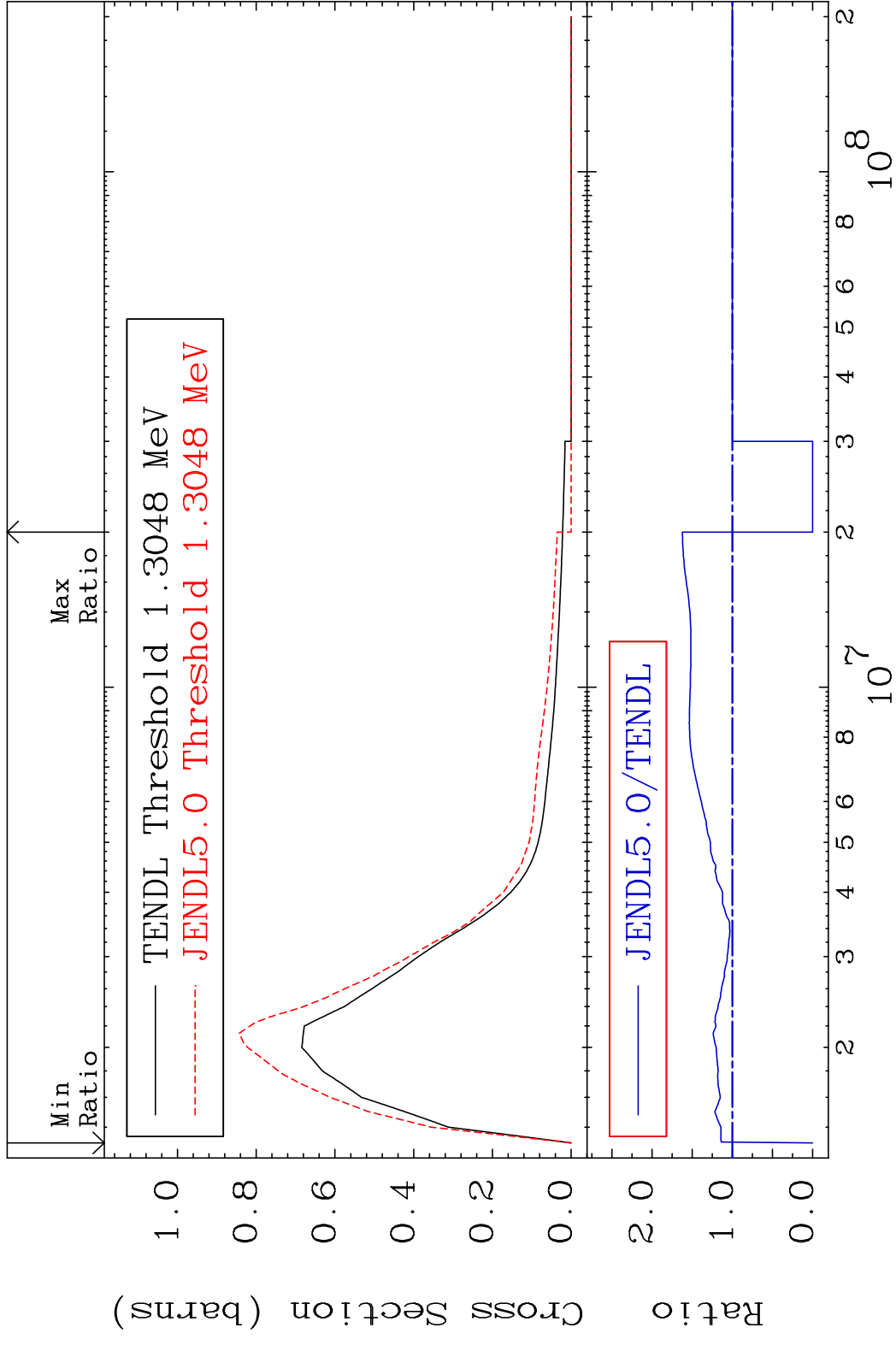
50-Sn-116

Cross Section -100.0 To 9999. %

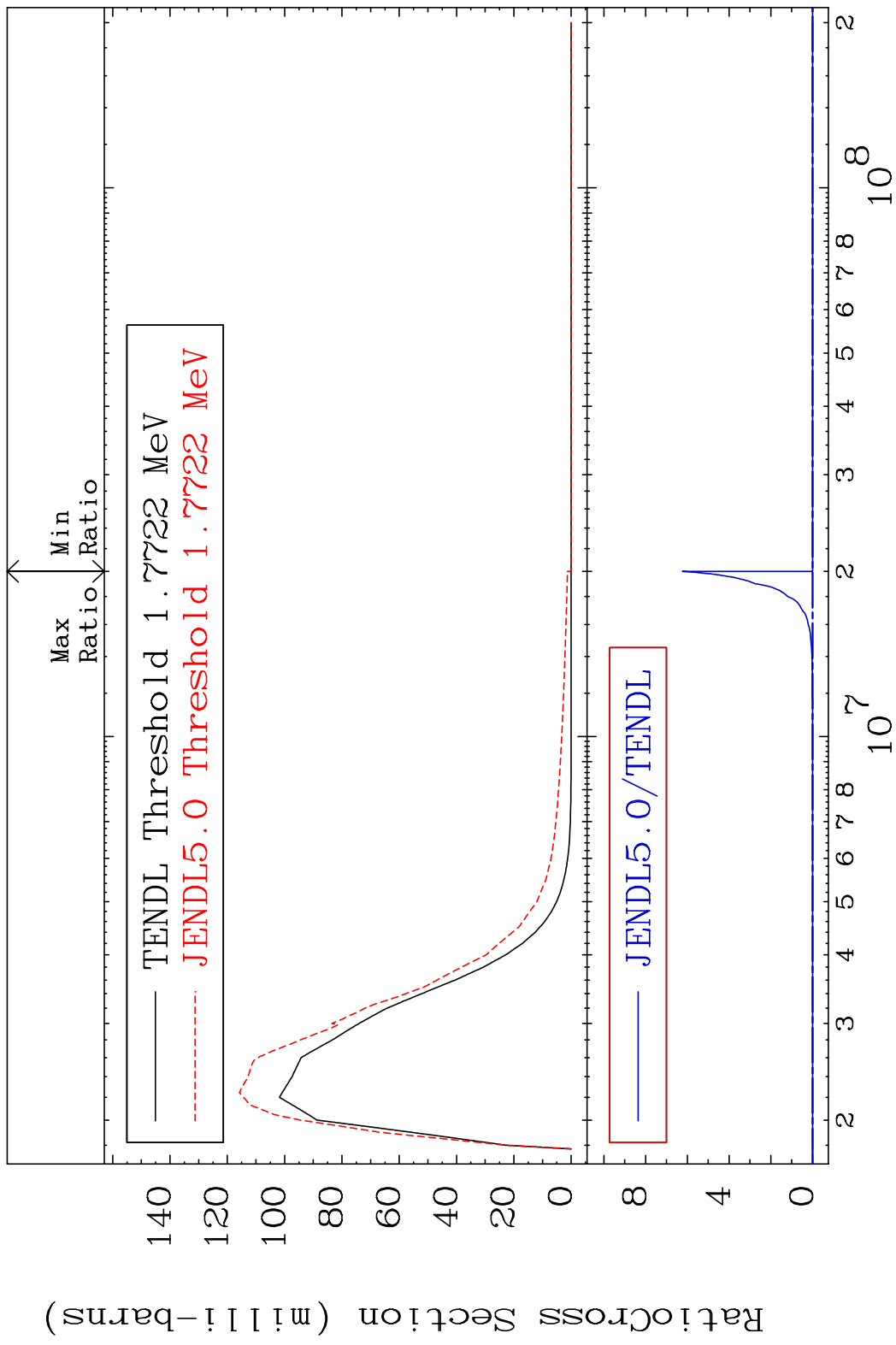


50-Sn-116

MAT 5037 MT= 51 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 62.29 %

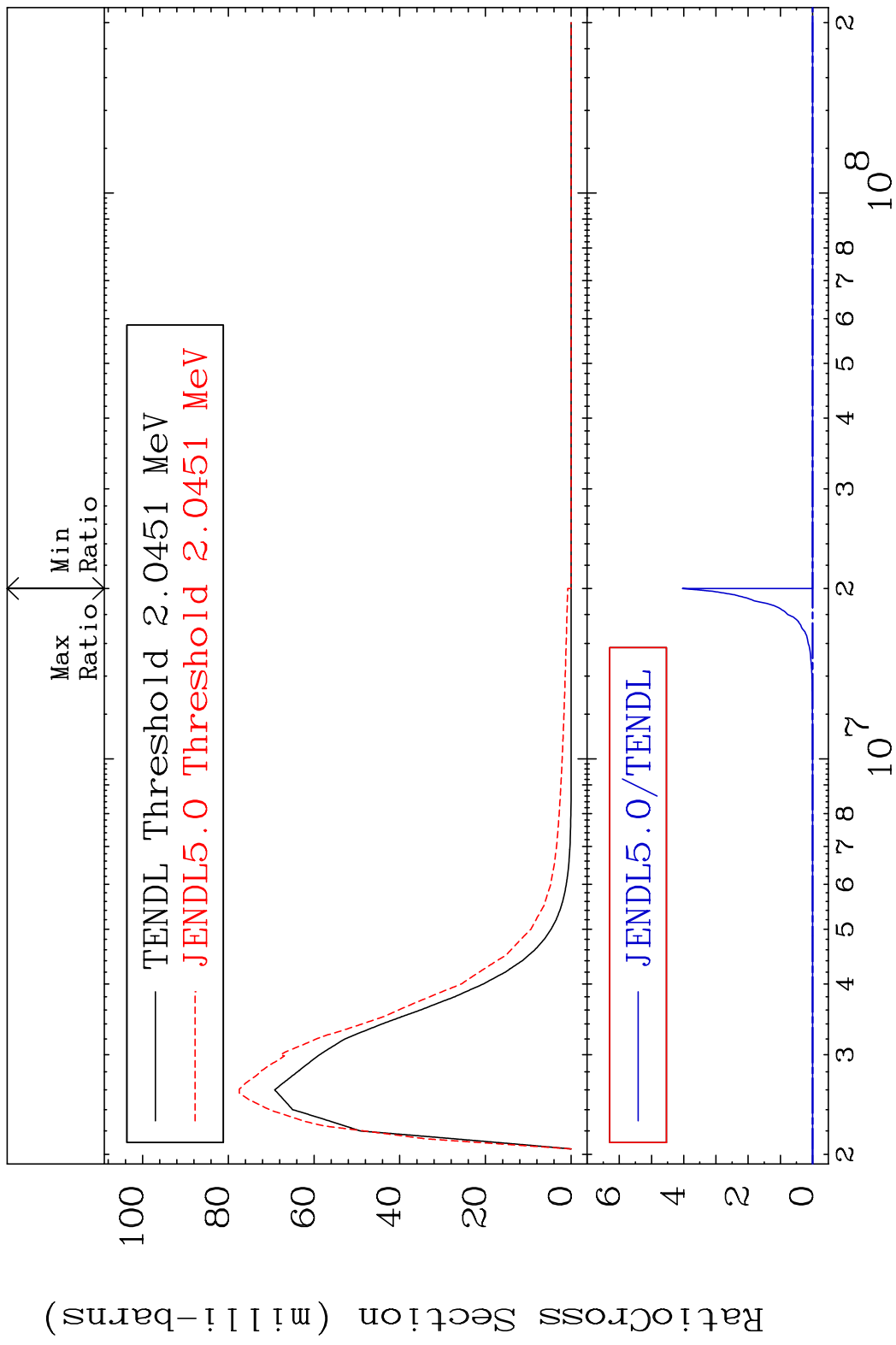


MAT 5037 MT= 52 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



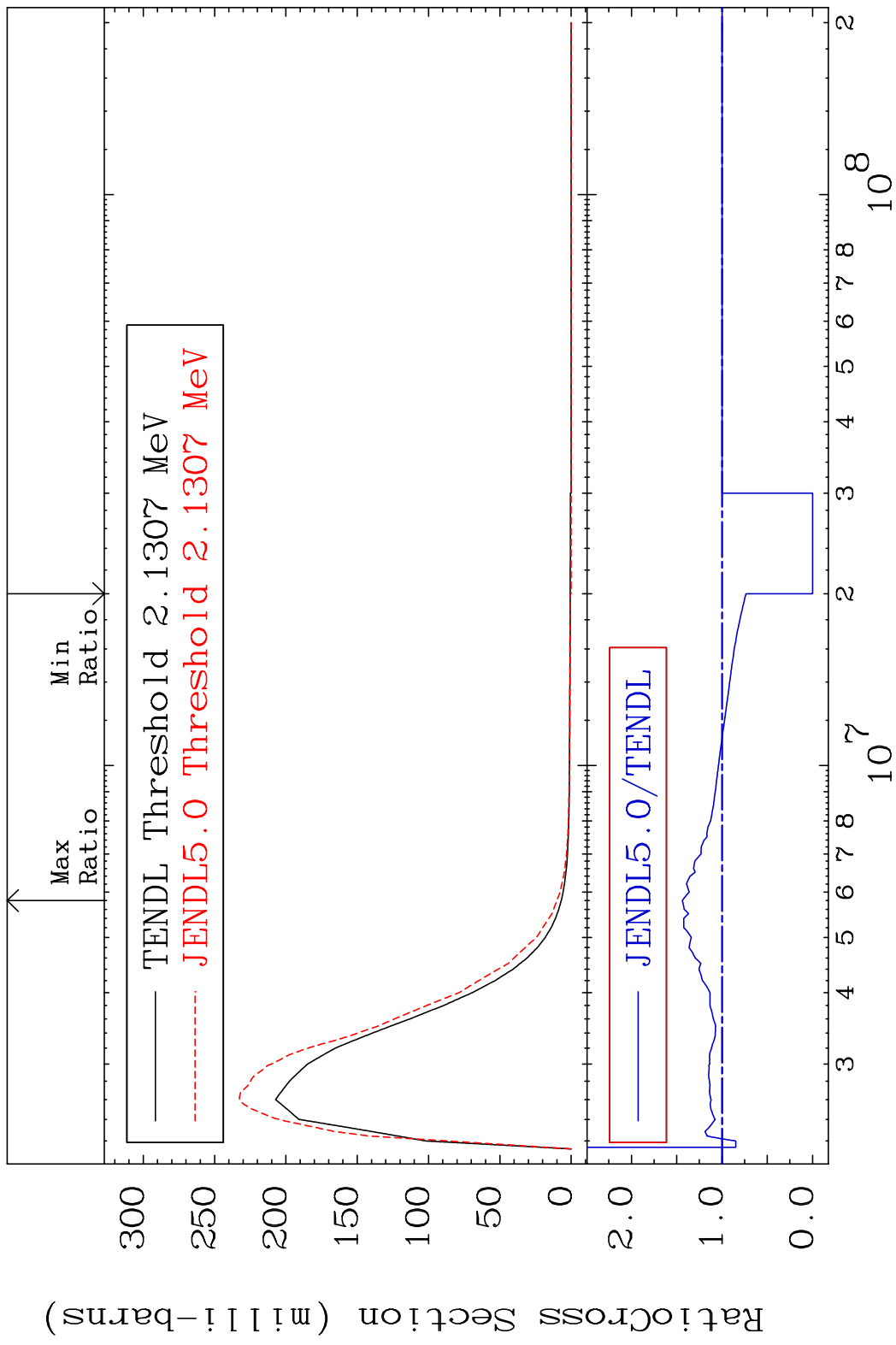
10 Incident Energy (eV) 50-Sn-116

MAT 5037 MT= 53 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %

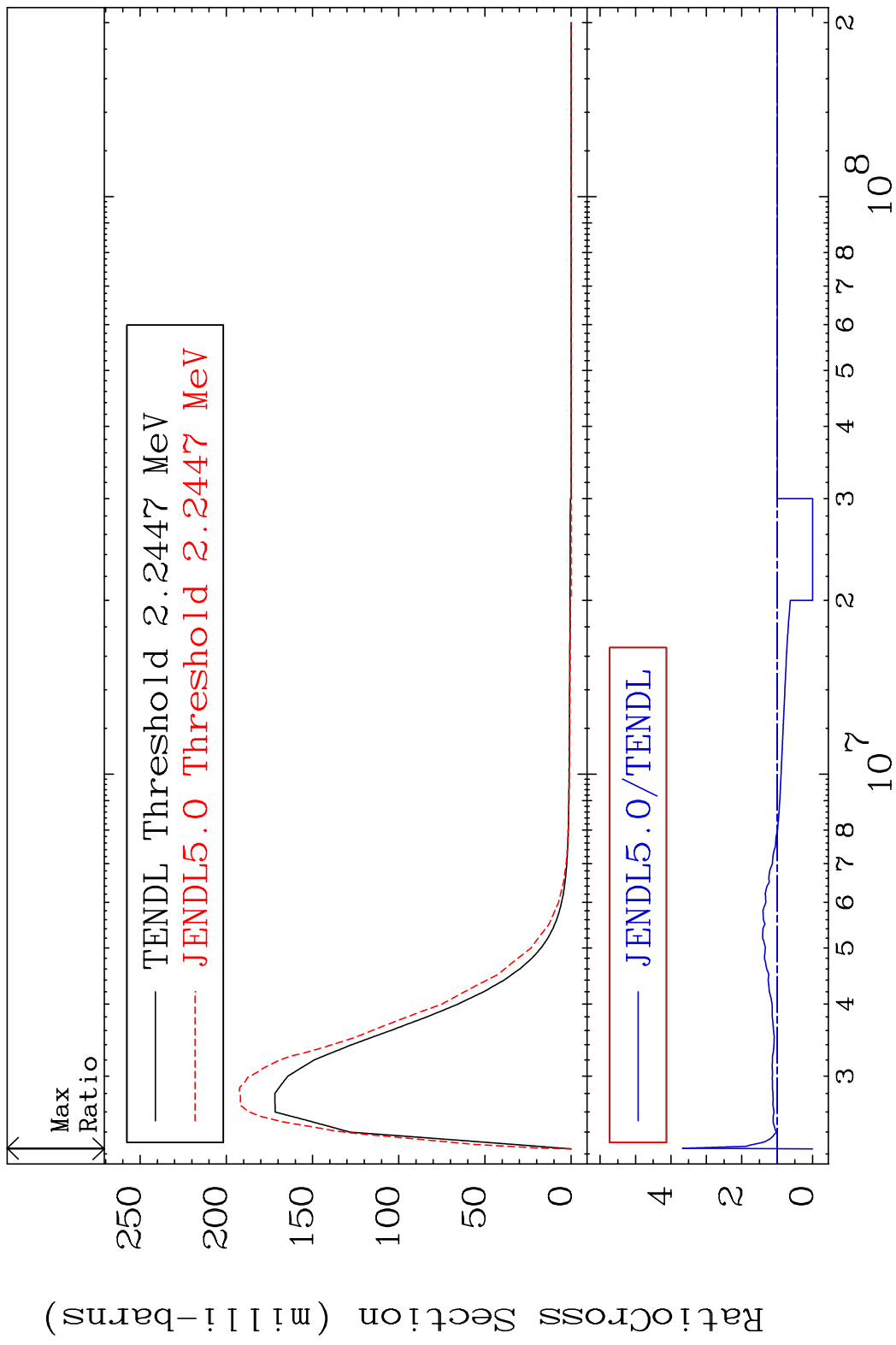


11 Incident Energy (eV) 50-Sn-116

MAT 5037 MT= 54 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 43.76 %

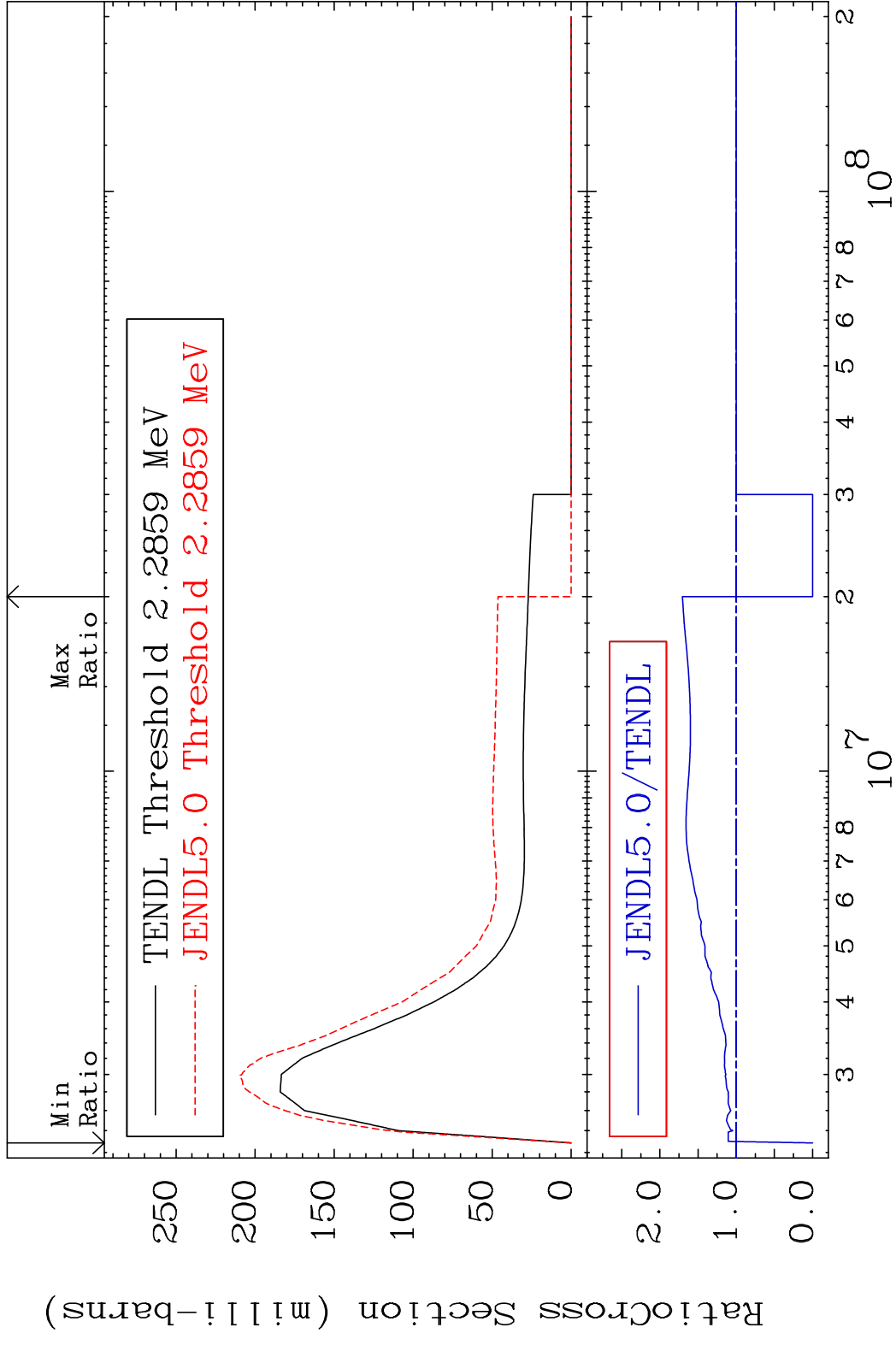


MAT 5037 MT= 55 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 267.8 %

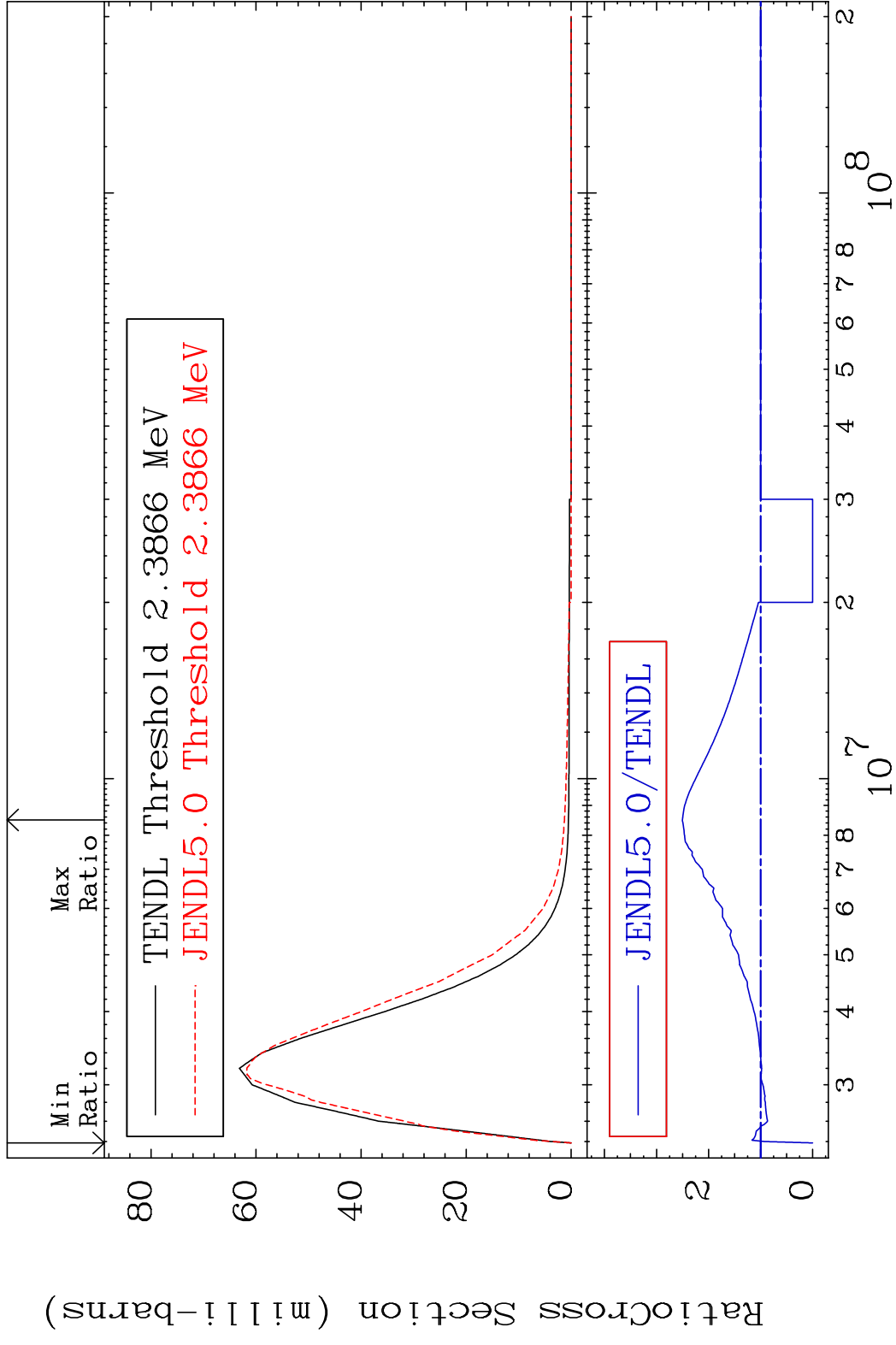


13 Incident Energy (eV) 50-Sn-116

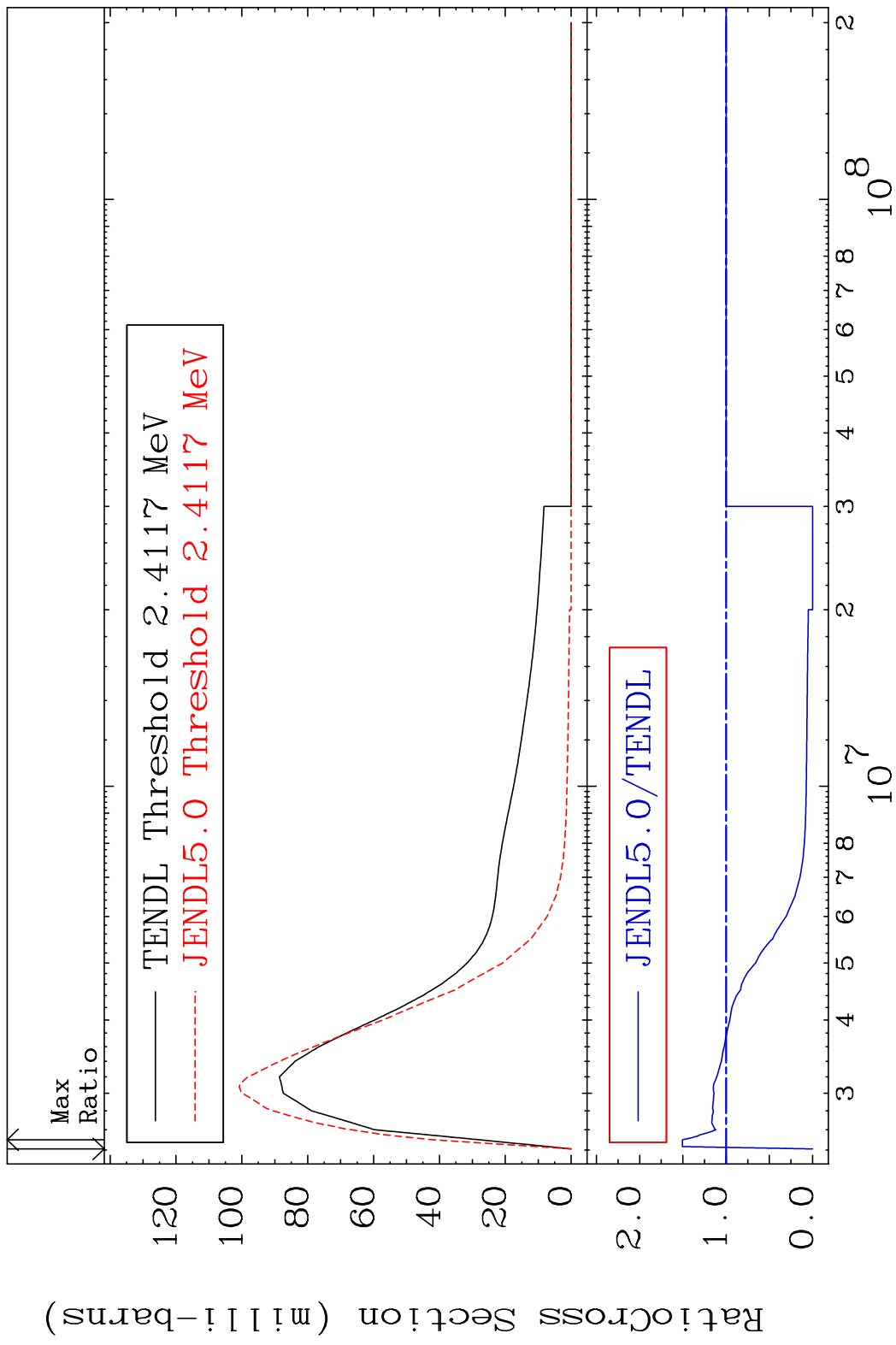
MAT 5037 MT= 56 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 70.60 %



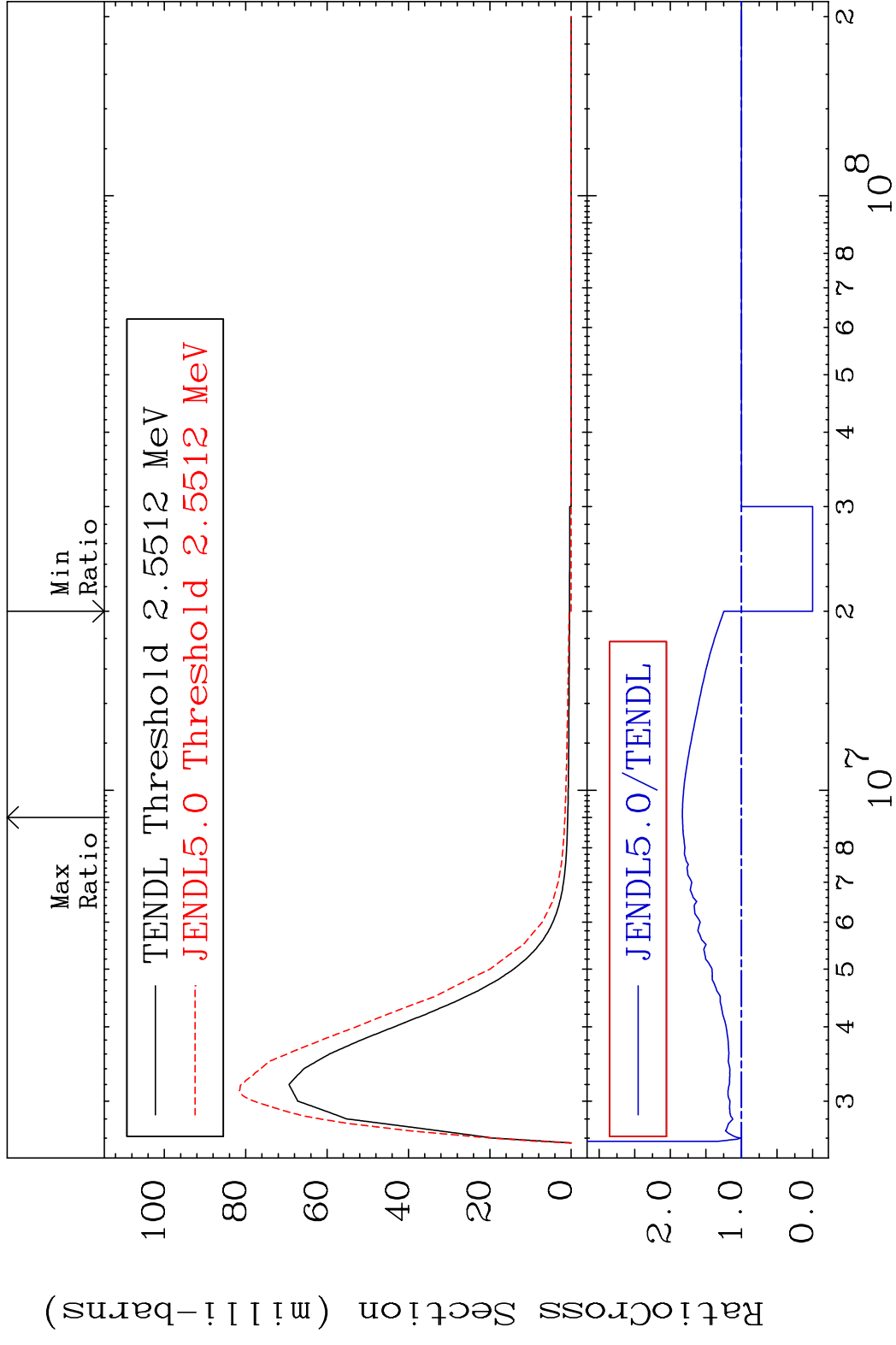
MAT 5037 MT= 57 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 150.3 %



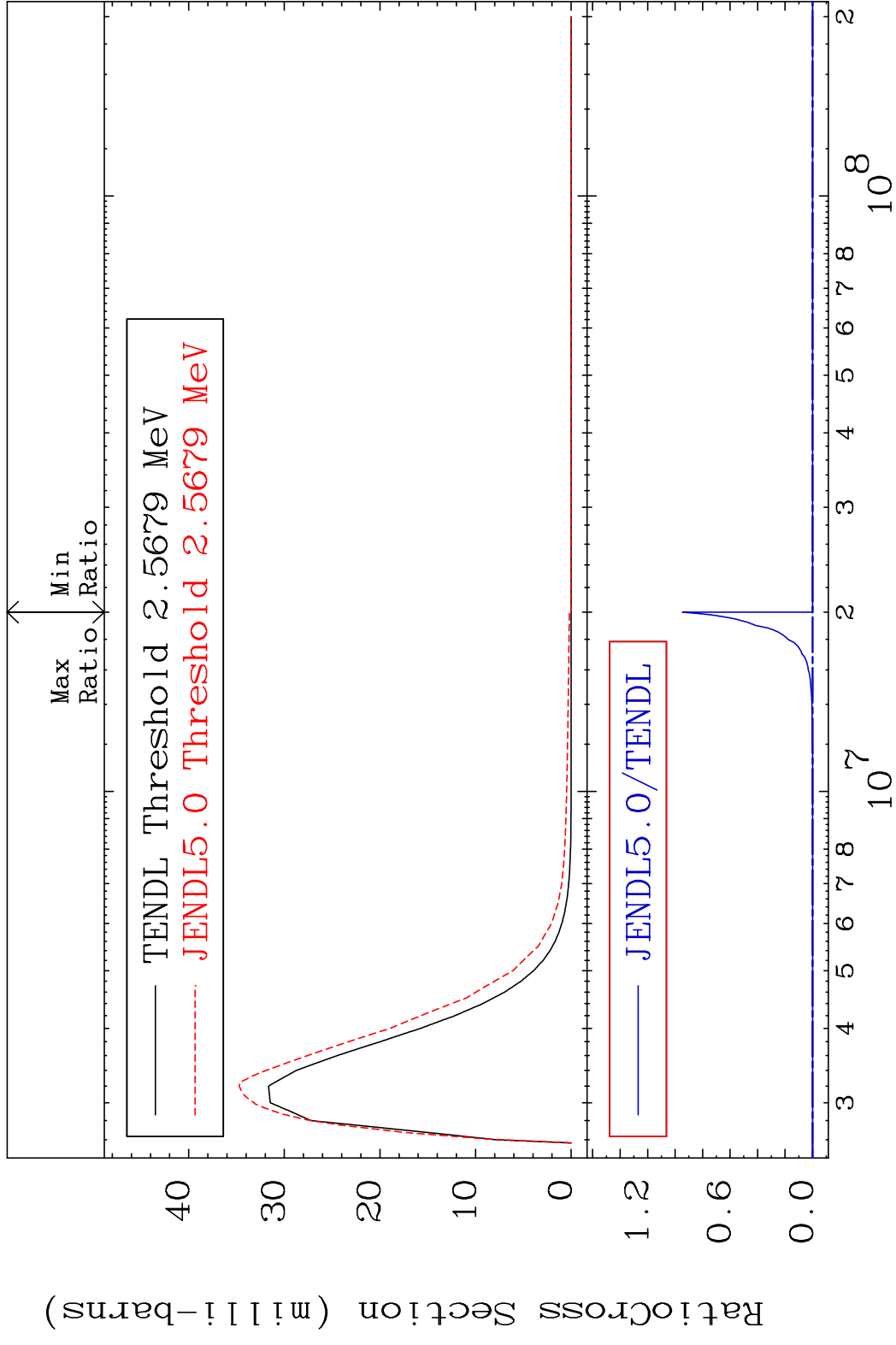
MAT 5037 MT= 58 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 50.63 %



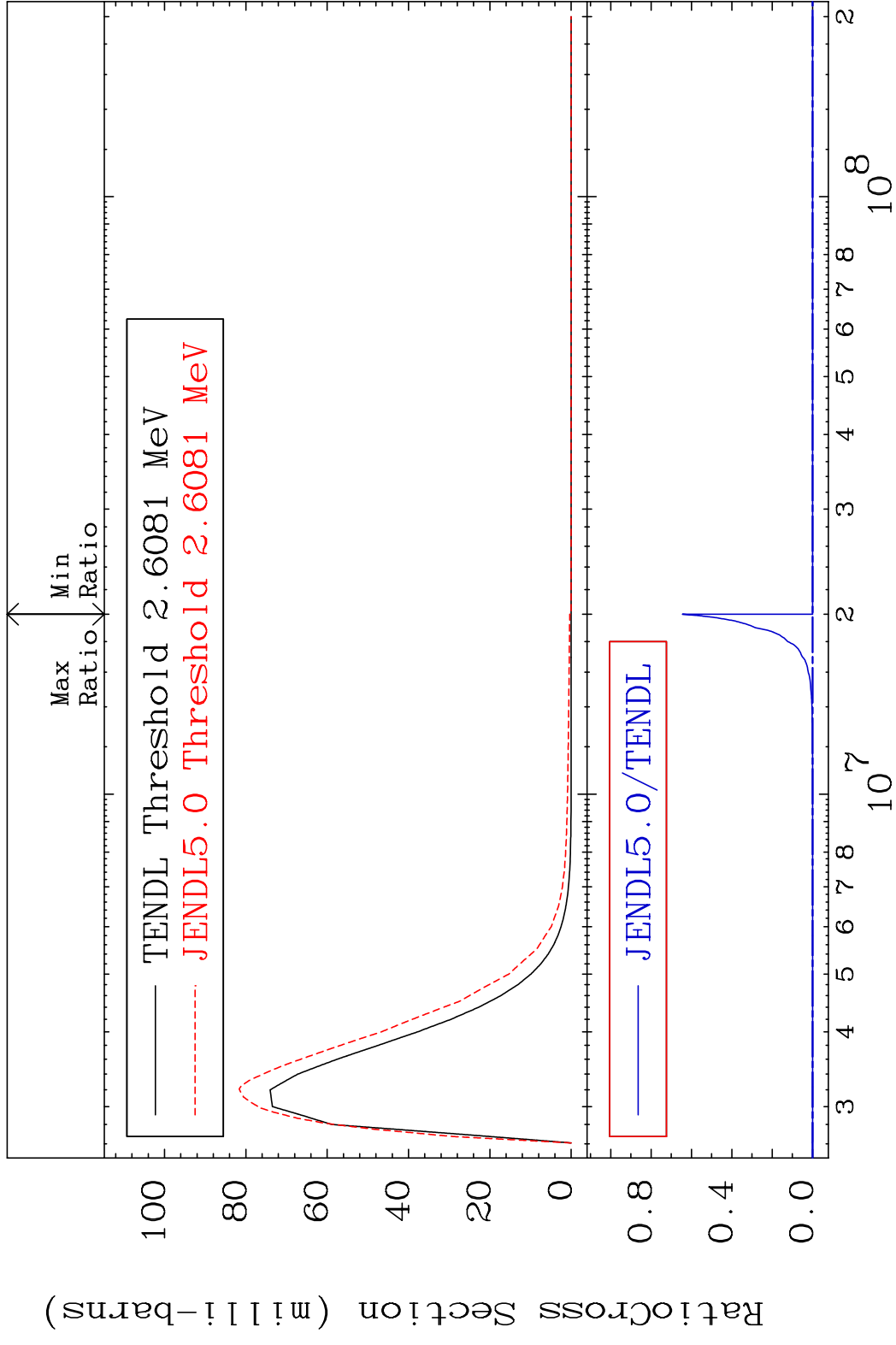
MAT 5037 MT= 59 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 83.02 %



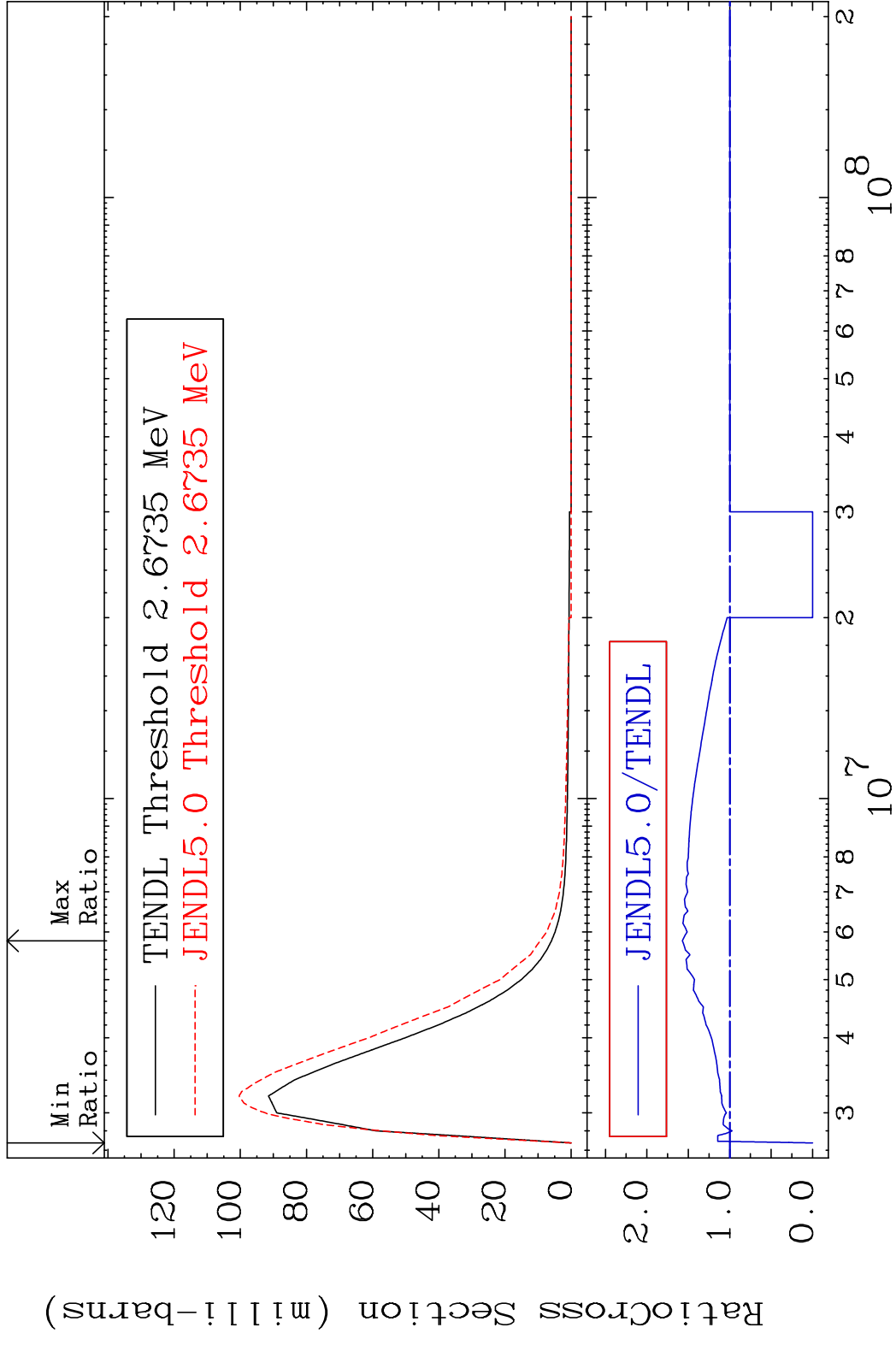
MAT 5037 MT= 60 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



MAT 5037 MT= 61 (n, n') Level 50-Sn-116
Cross Section -100.0 To 9999. %

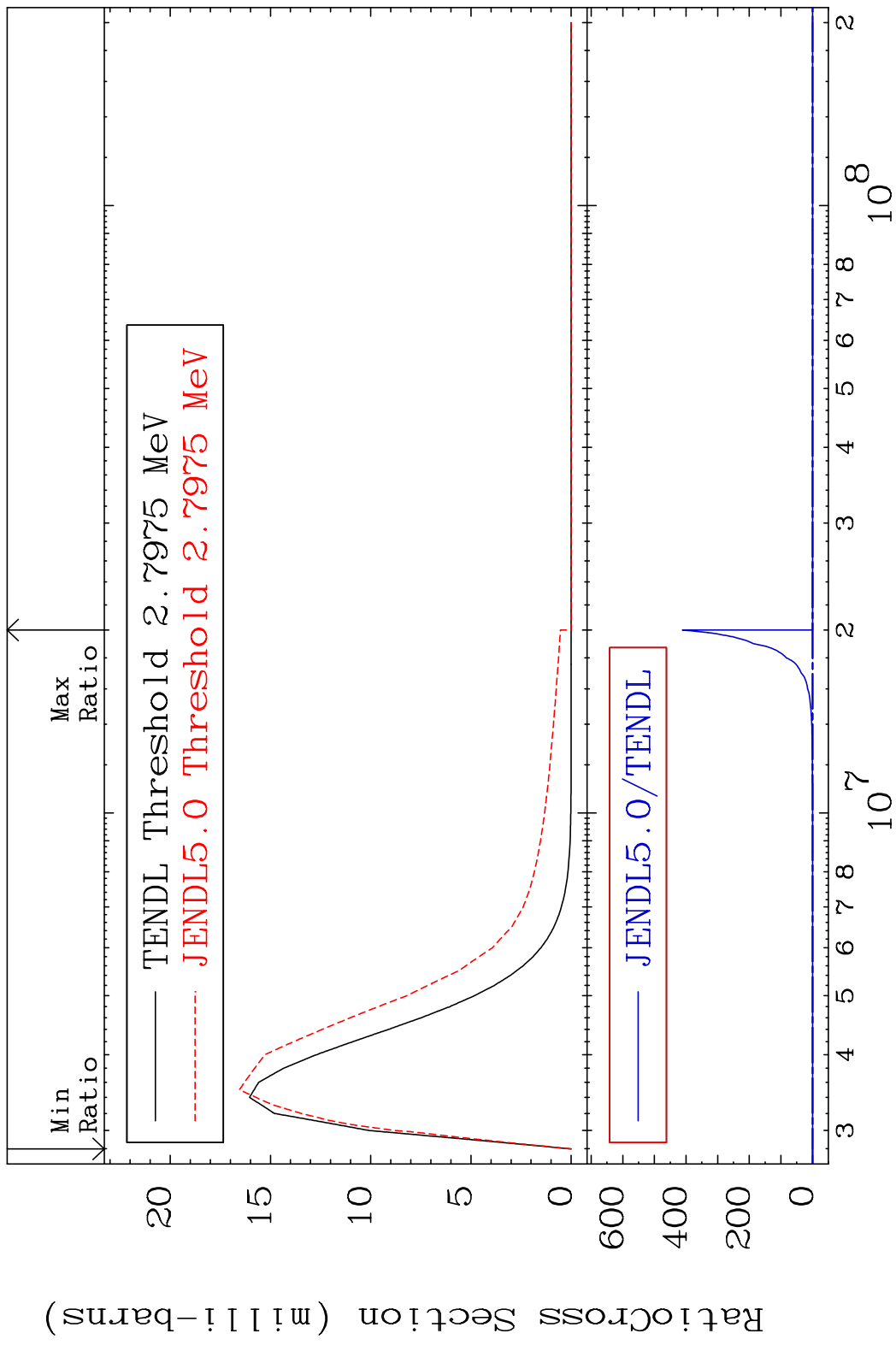


MAT 5037 MT= 62 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 57.18 %

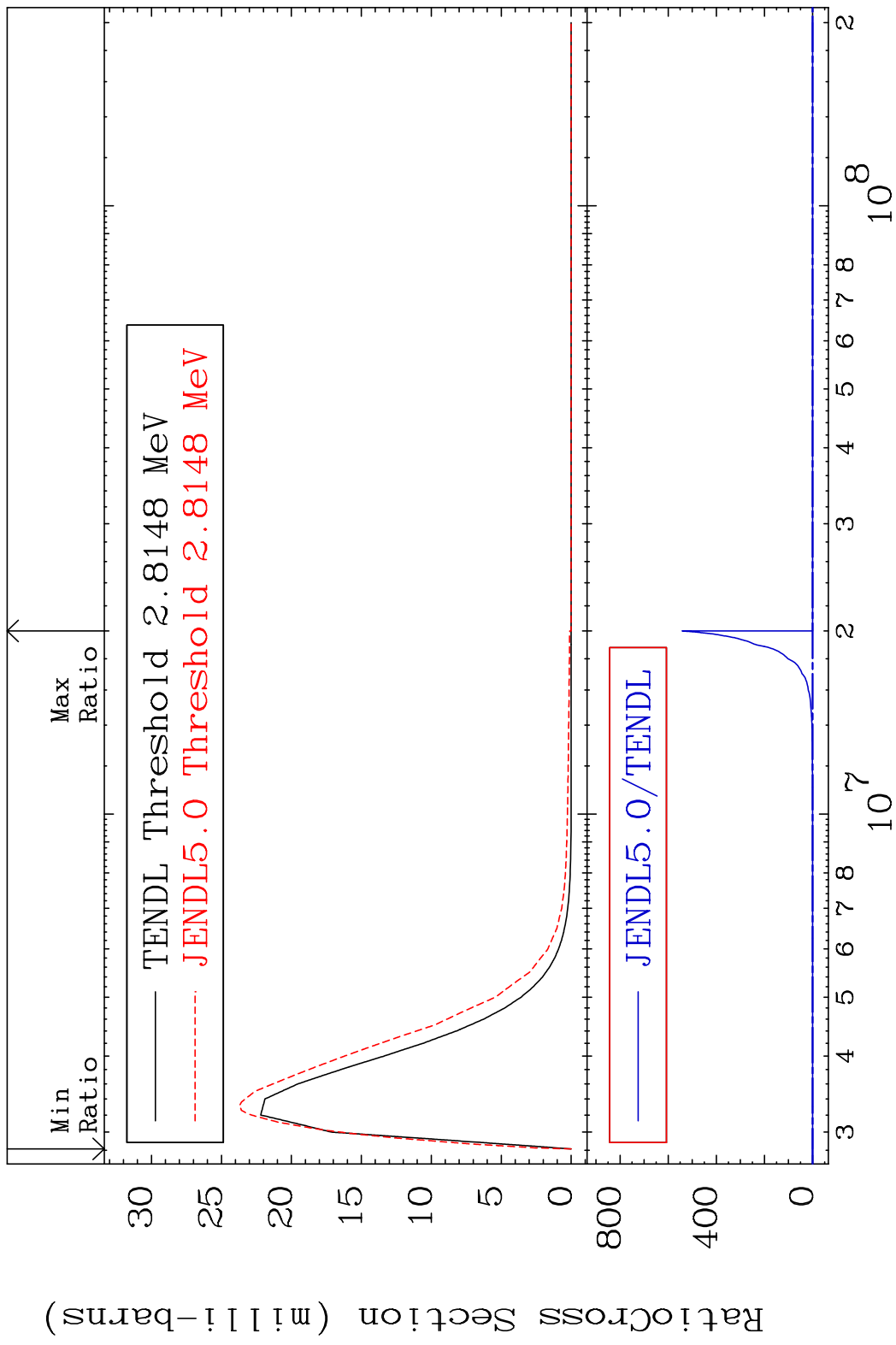


20 Incident Energy (eV) 50-Sn-116

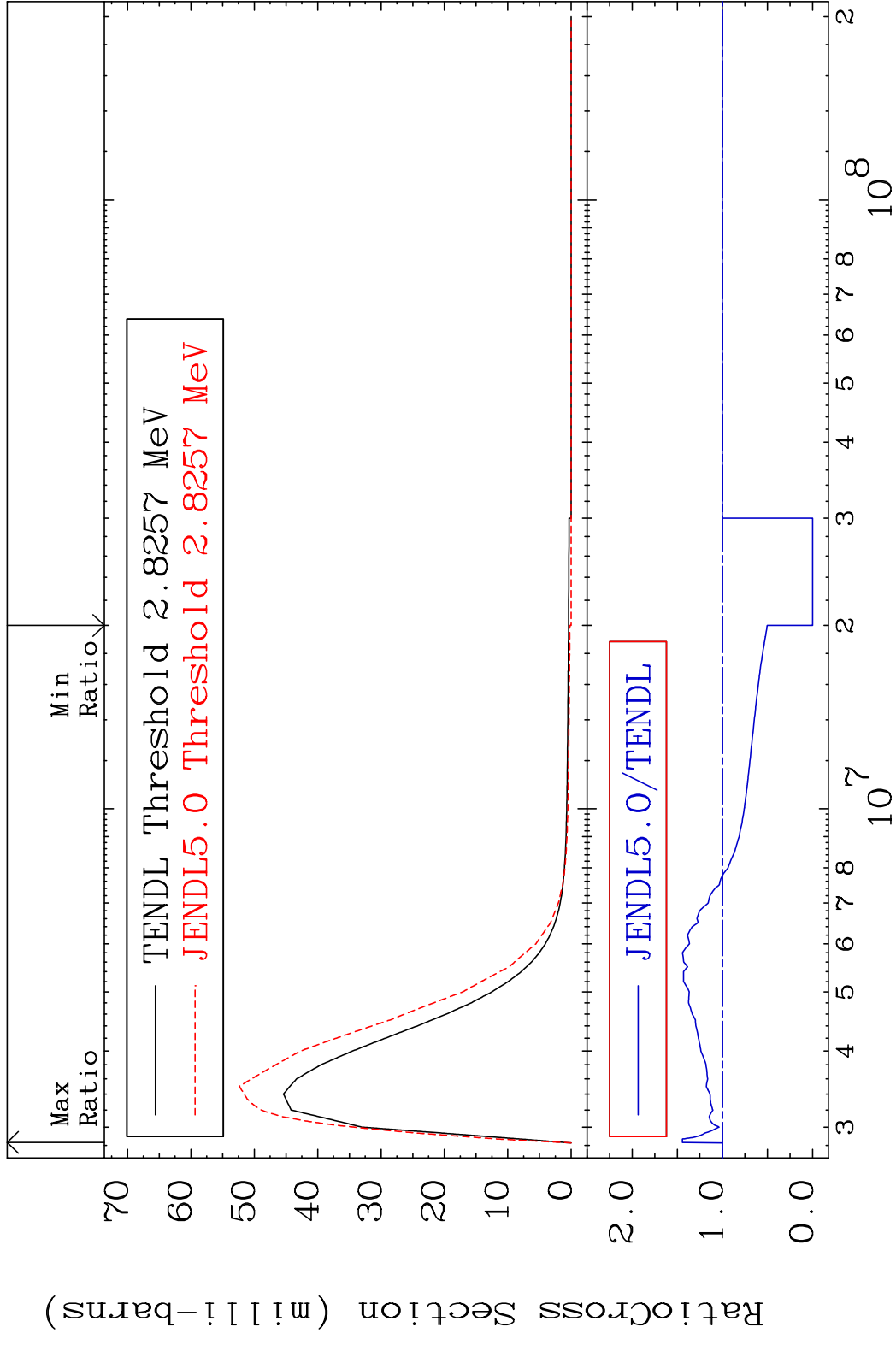
MAT 5037 MT= 63 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



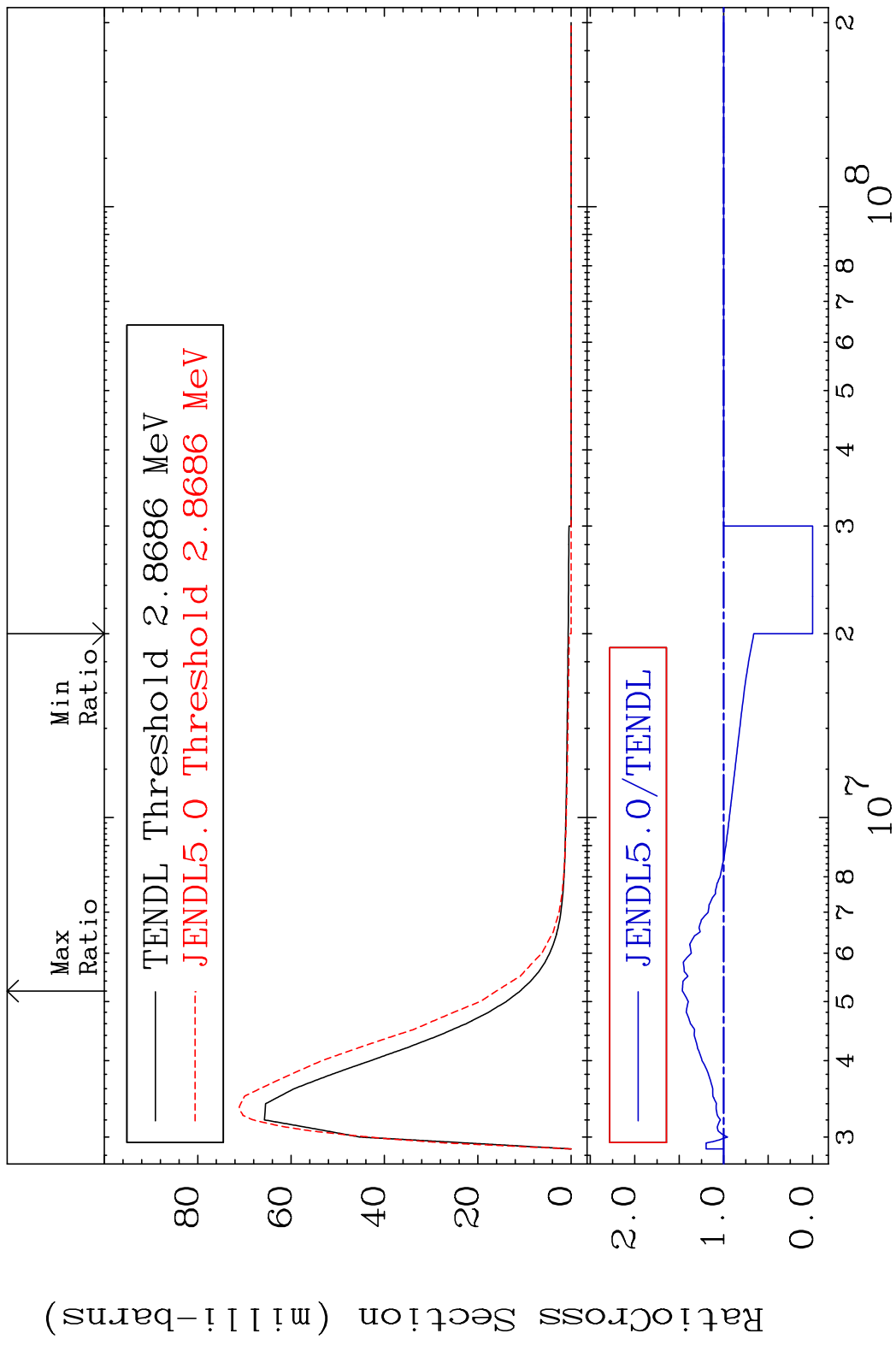
MAT 5037 MT= 64 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



MAT 5037 MT= 65 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 44.37 %

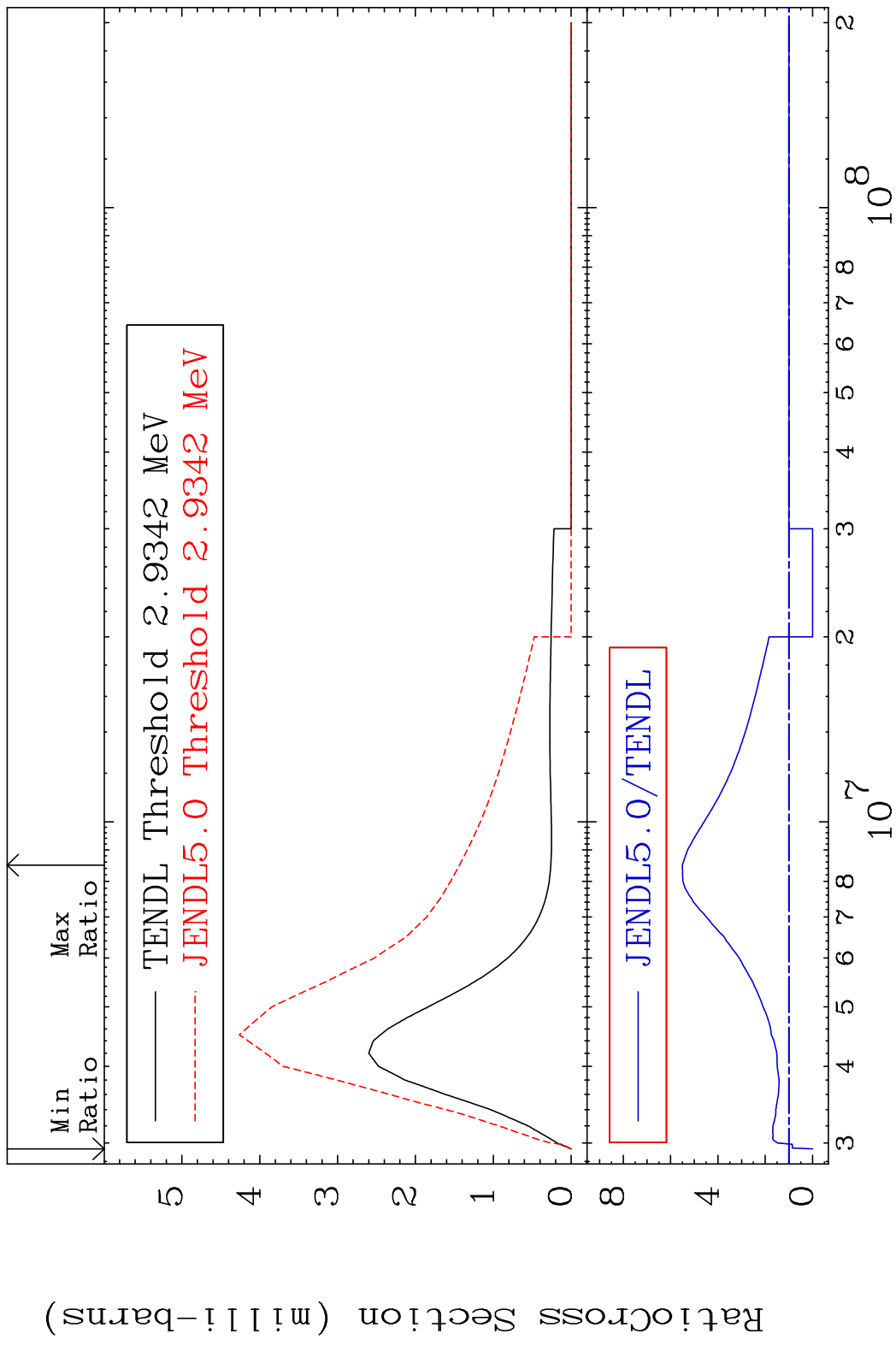


MAT 5037 MT= 66 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 46.47 %

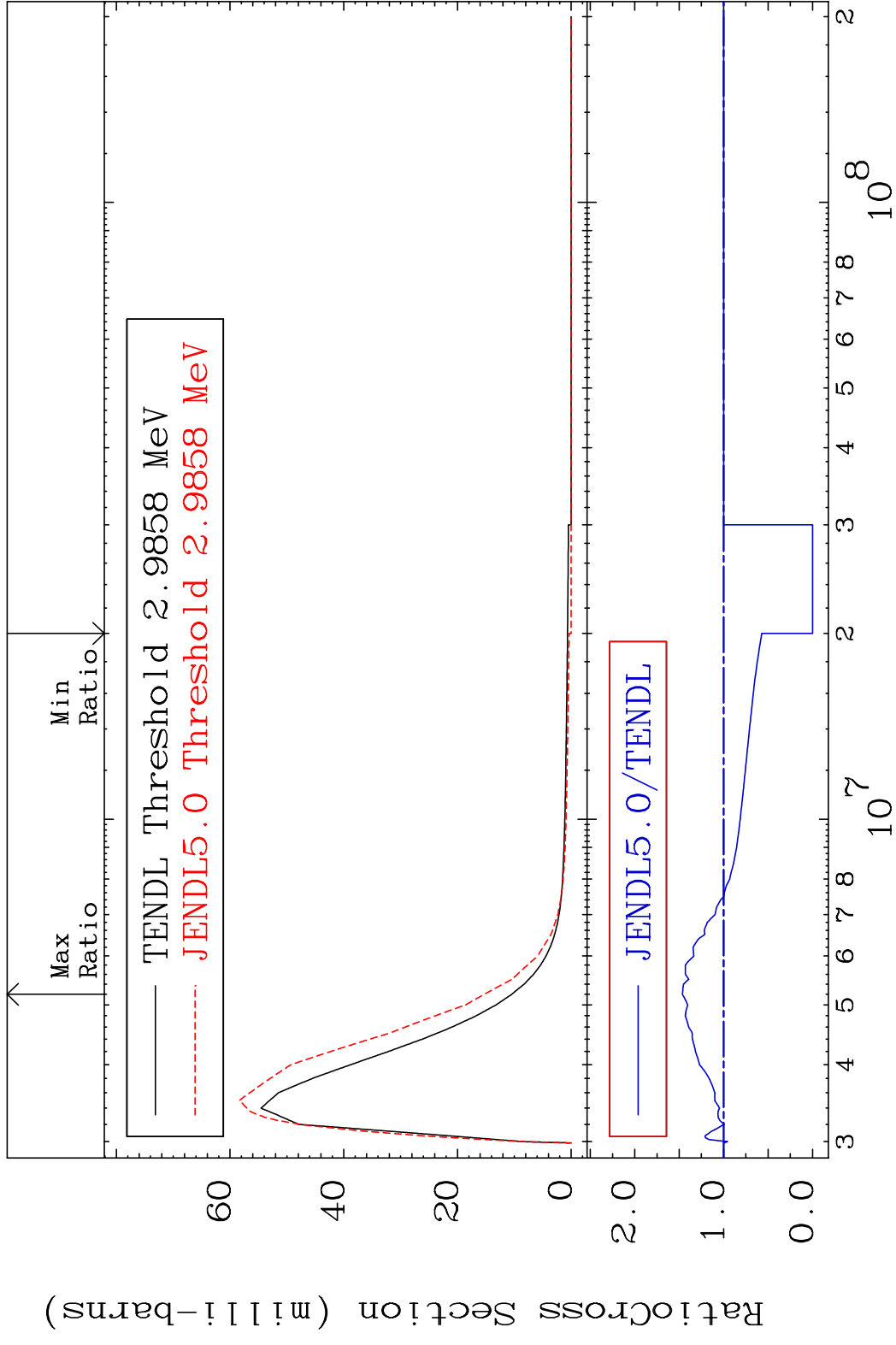


24 Incident Energy (eV) 50-Sn-116

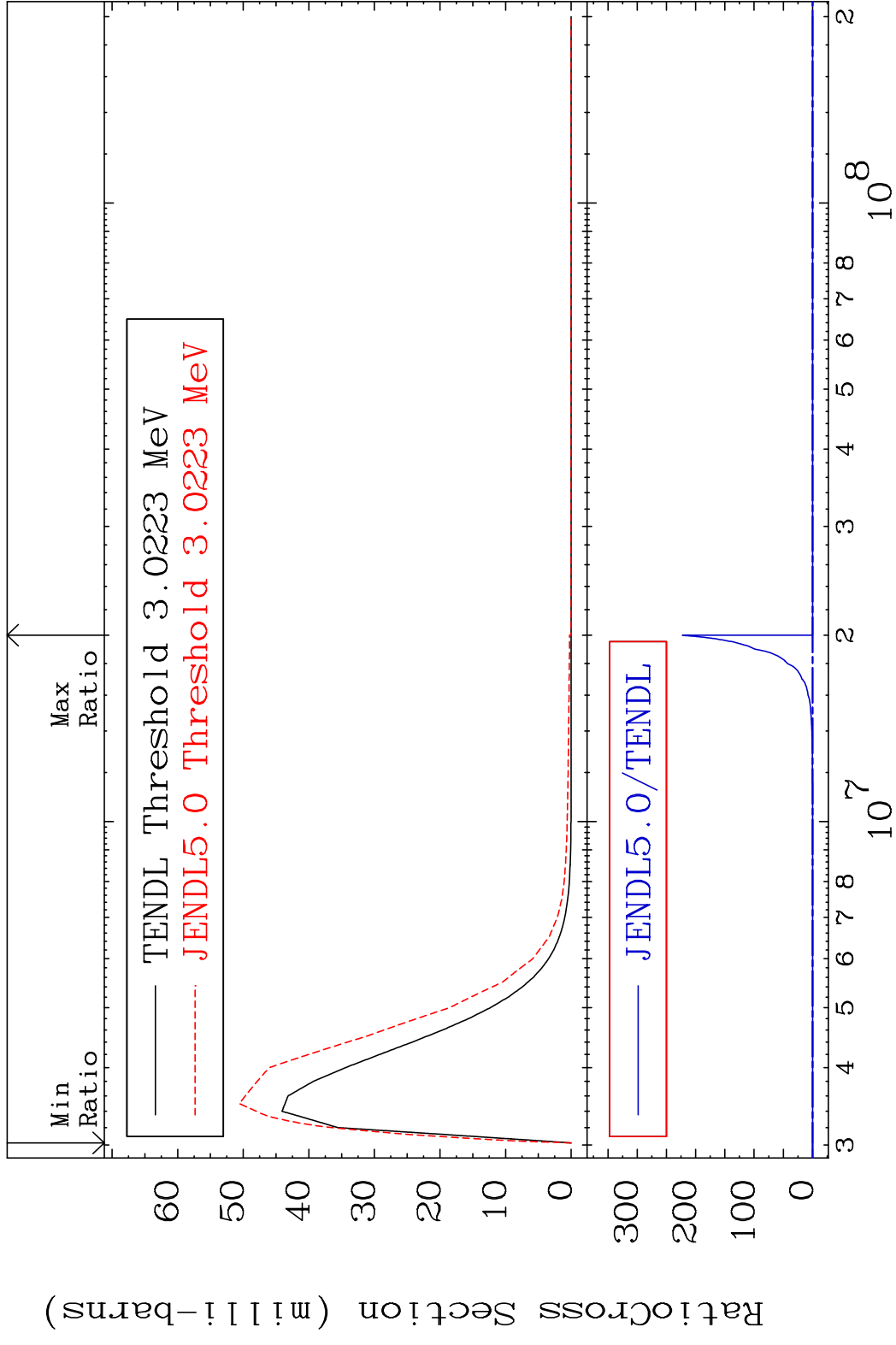
MAT 5037 MT= 67 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 450.4 %



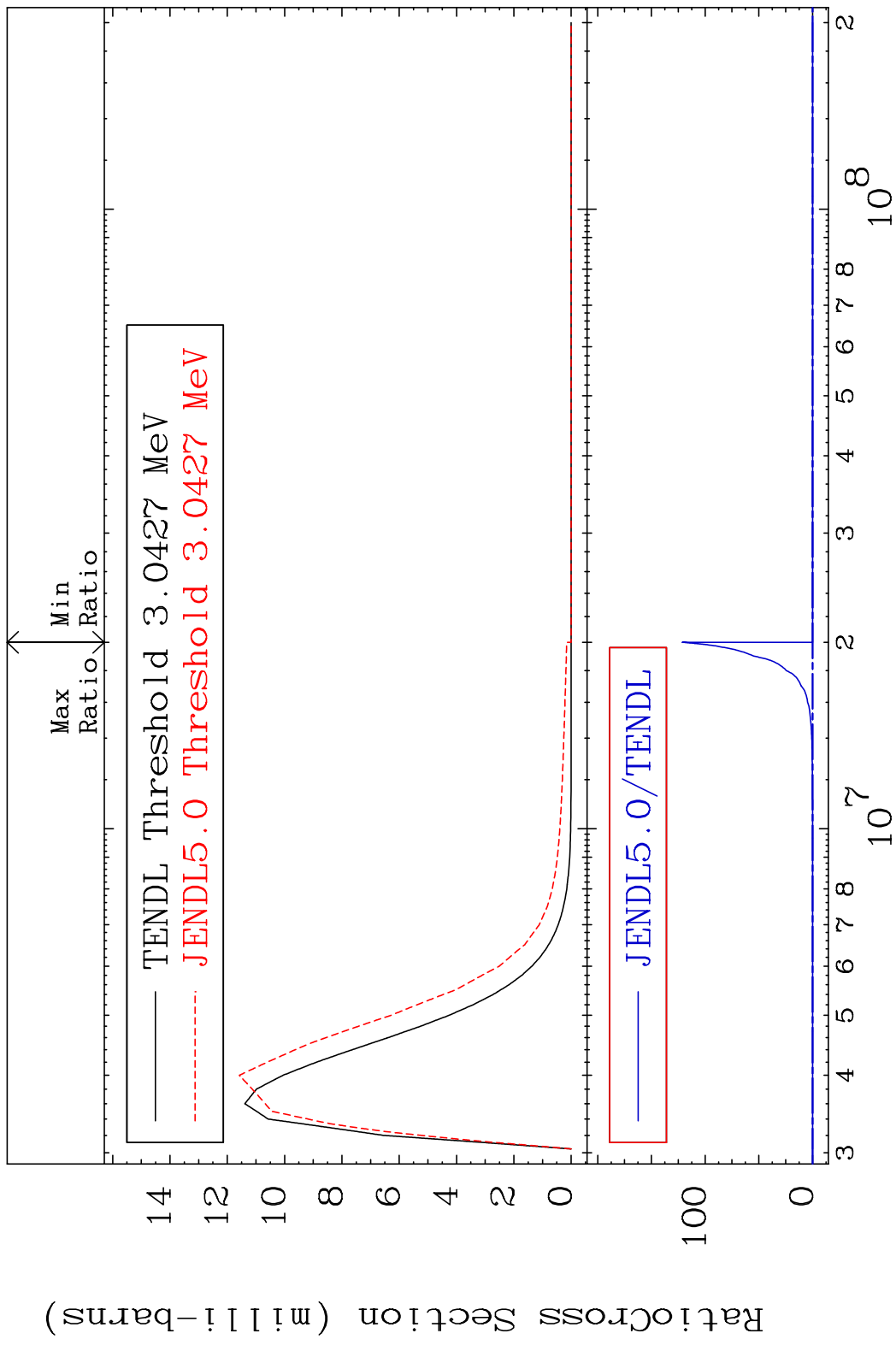
MAT 5037 MT= 68 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 46.46 %



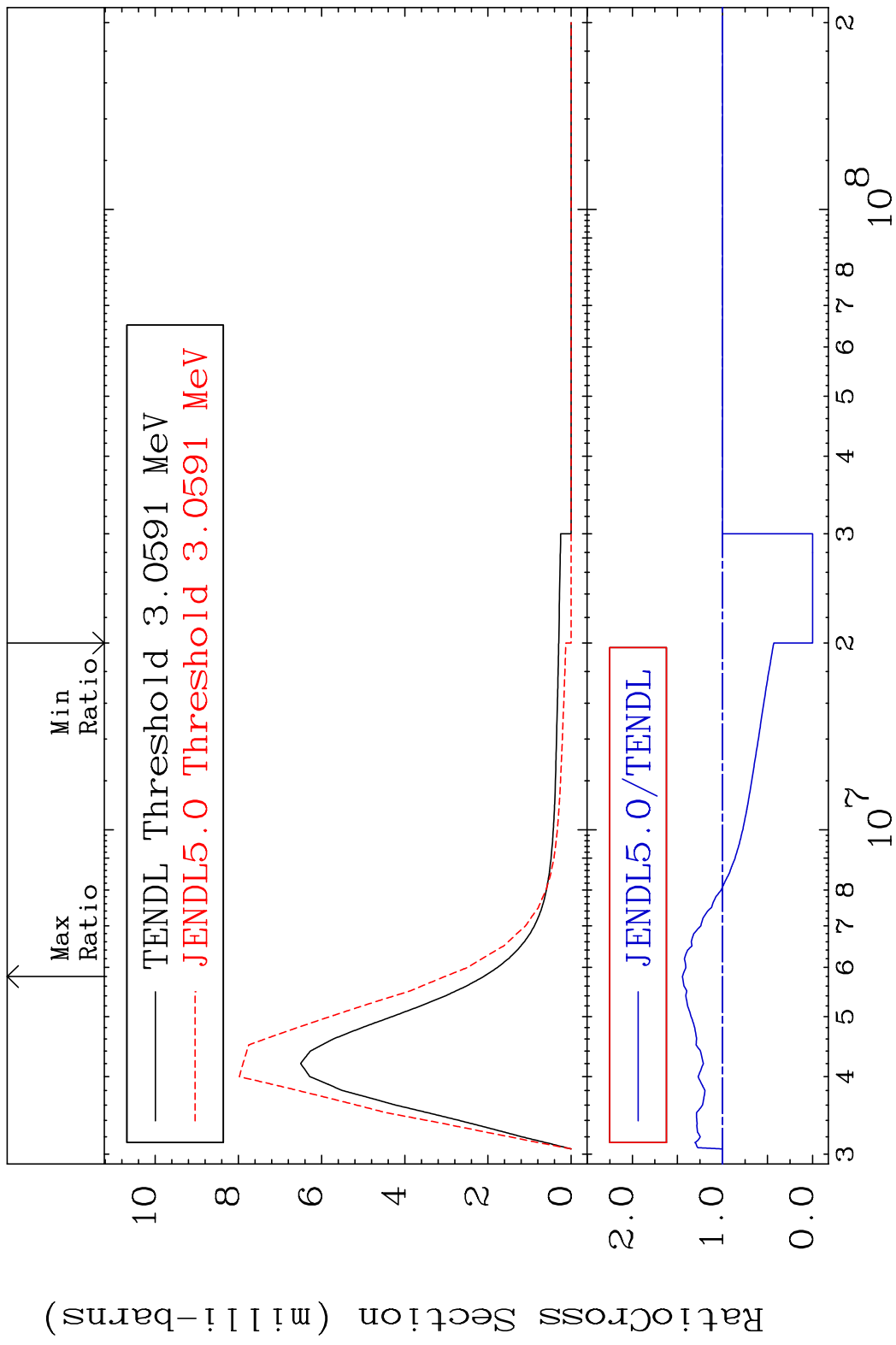
MAT 5037 MT= 69 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



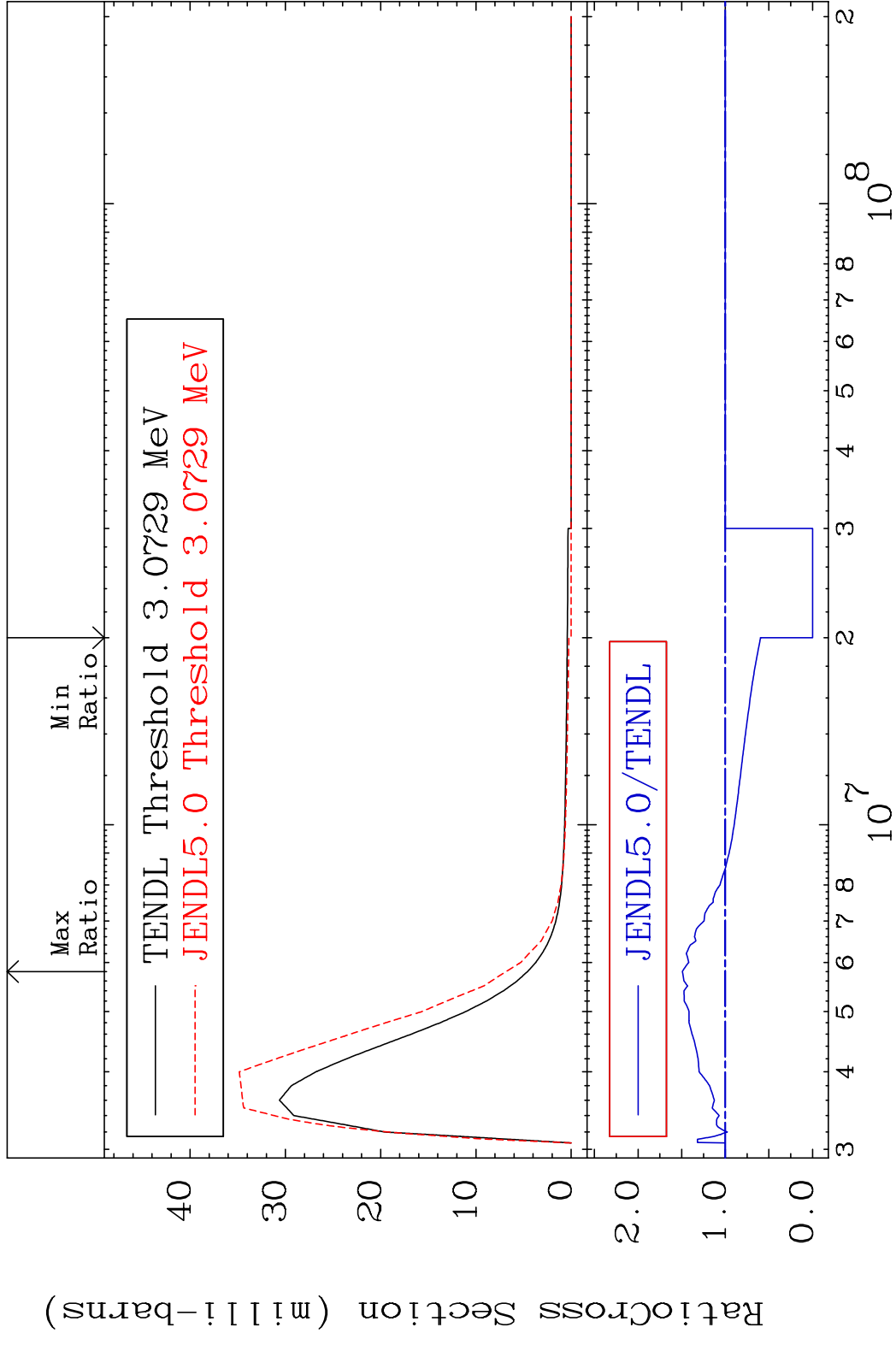
MAT 5037 MT= 70 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



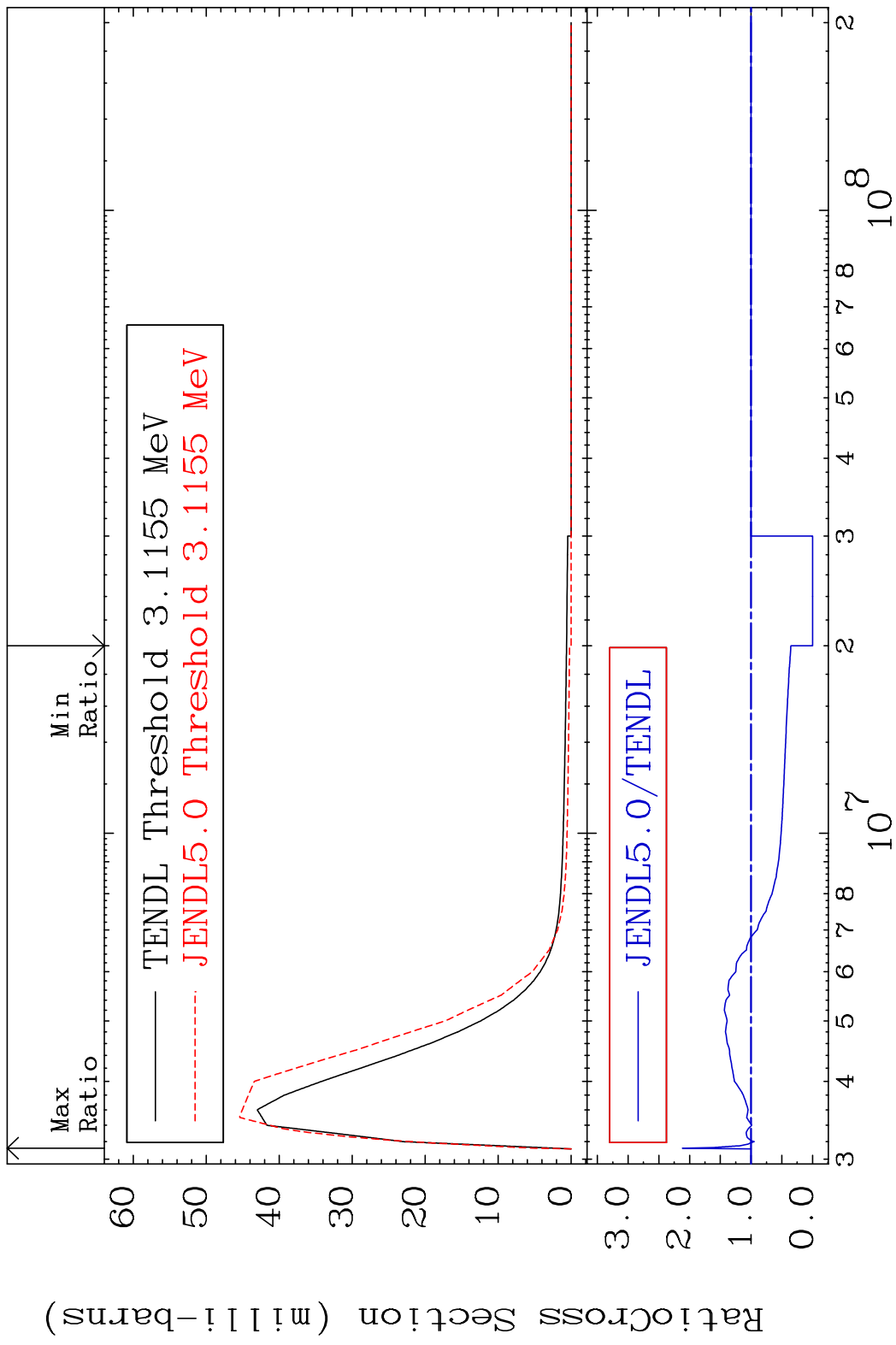
MAT 5037 MT= 71 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 44.53 %



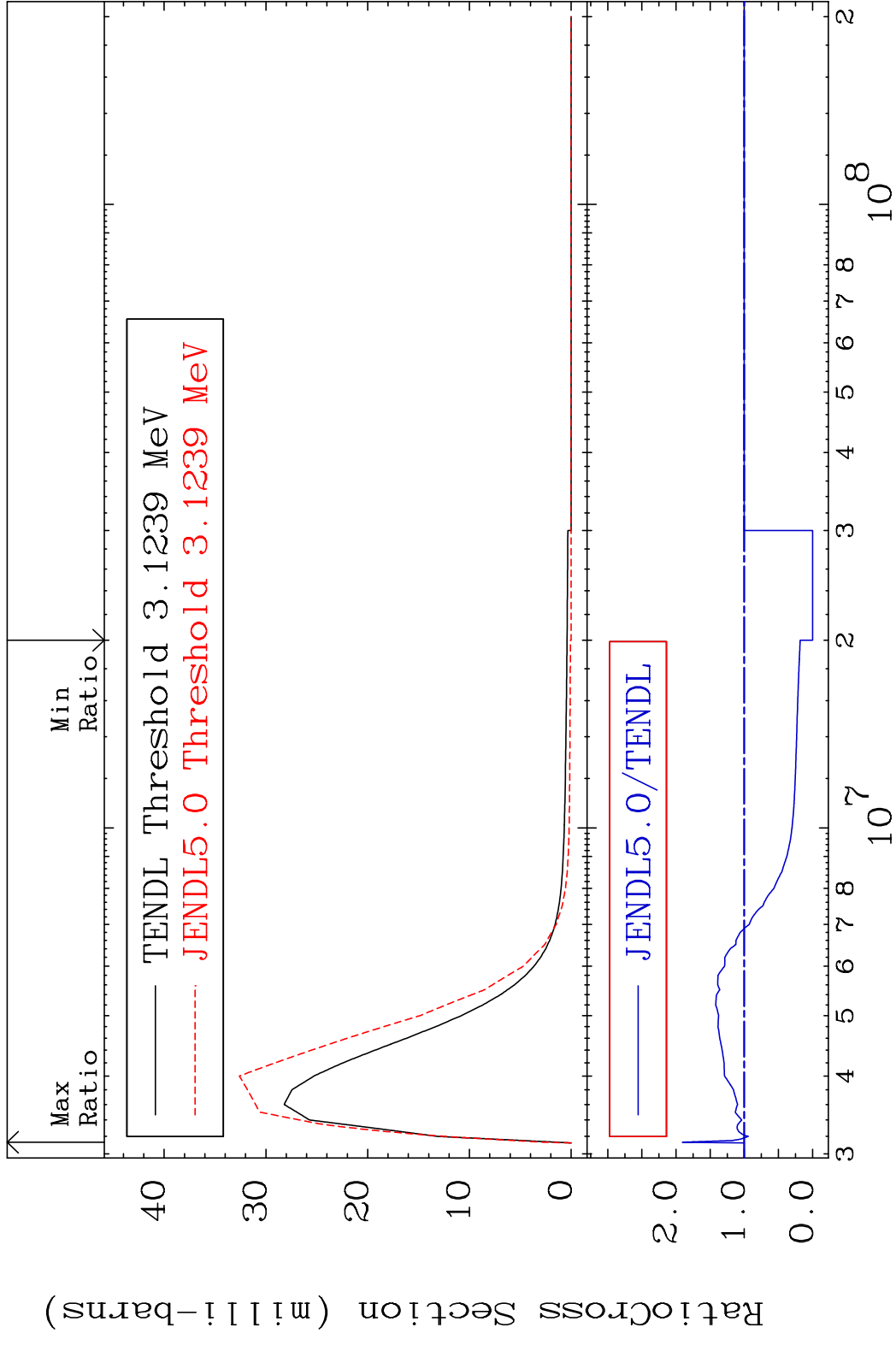
MAT 5037 MT= 72 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 49.22 %



MAT 5037 MT= 73 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 111.8 %



MAT 5037 MT= 74 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 90.71 %

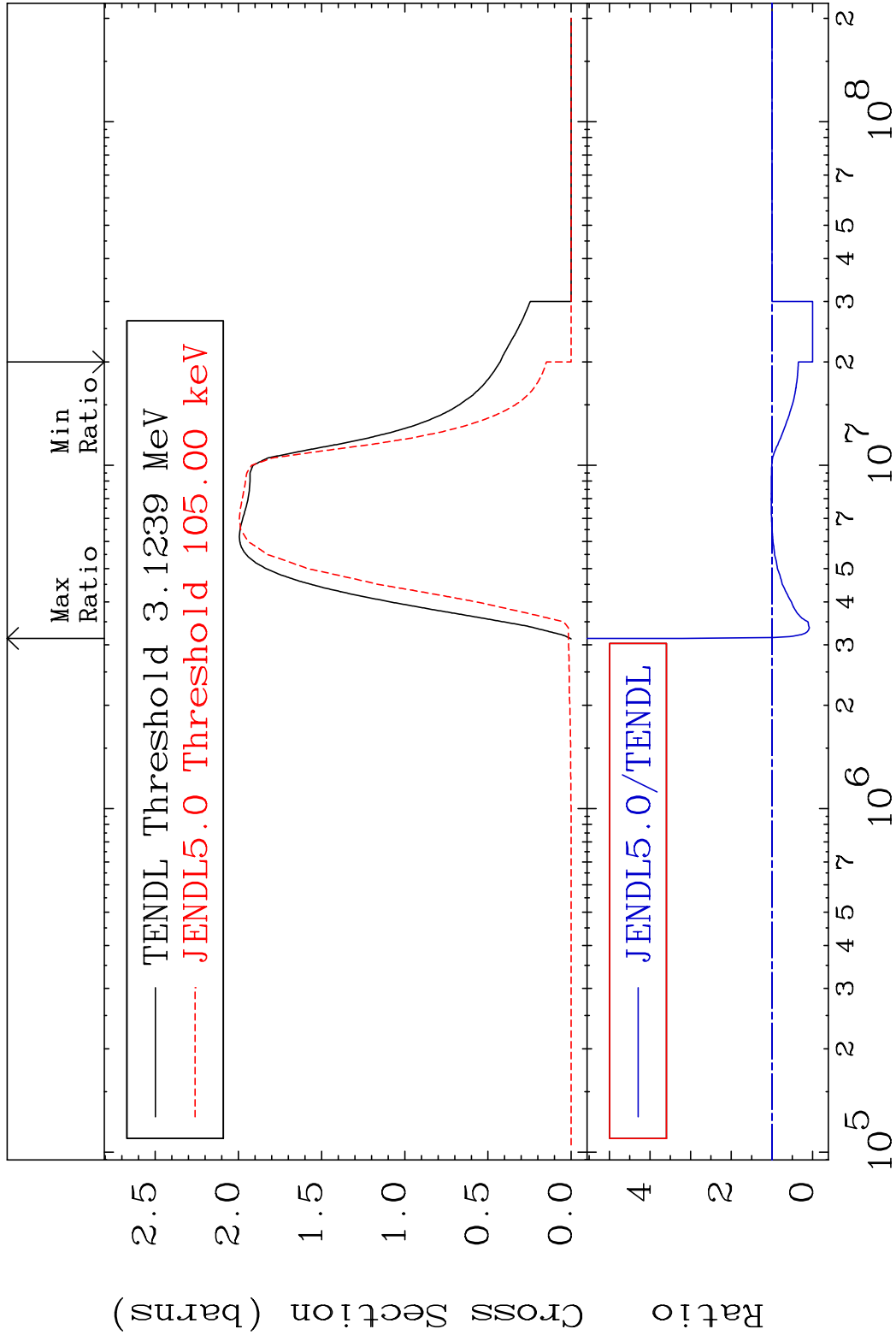


MAT 5037

(n,n') Continuum

50-Sn-116

Cross Section -100.0 To 220.5 %



33

Incident Energy (eV)

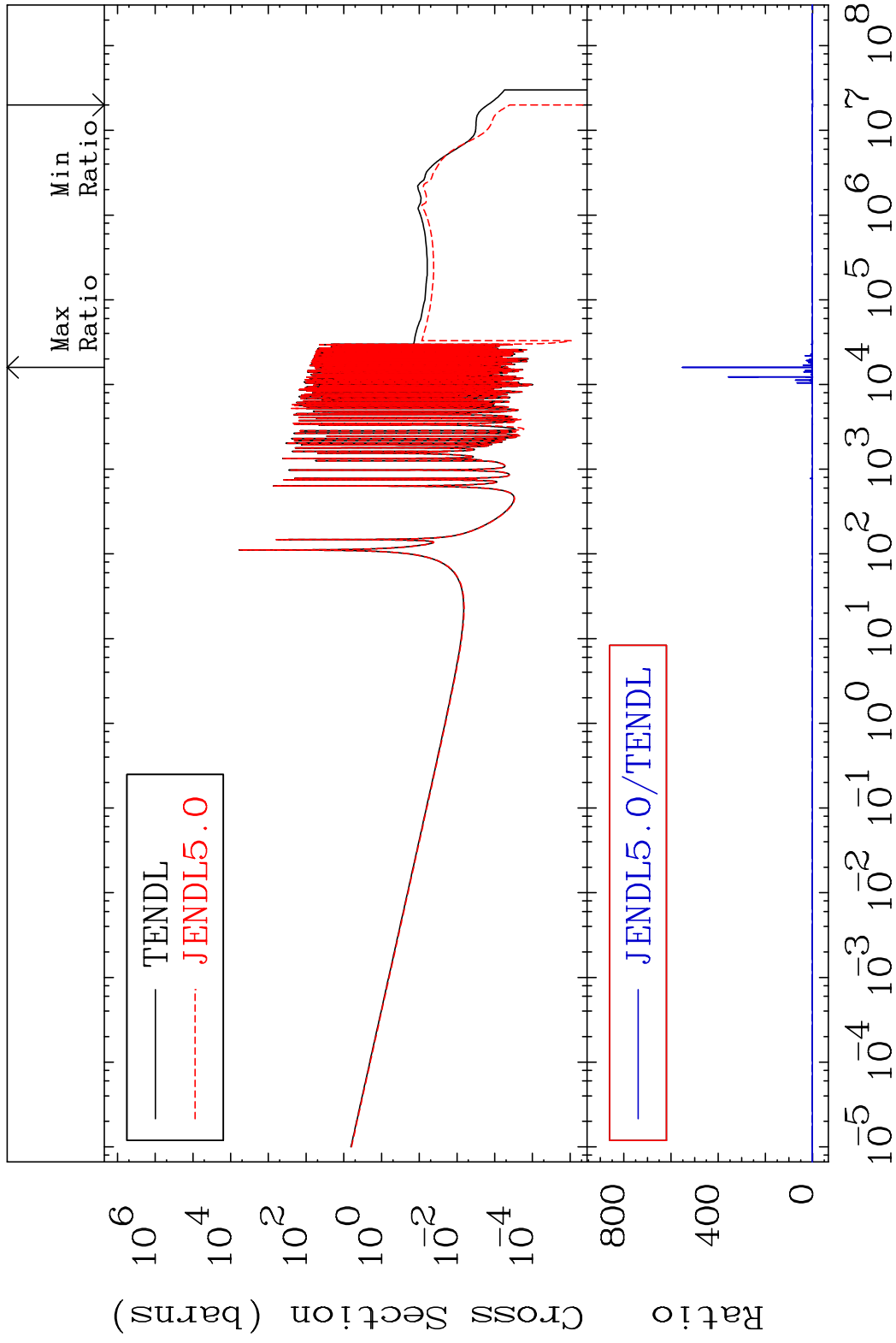
50-Sn-116

MAT 5037

(n, γ)

50-Sn-116

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

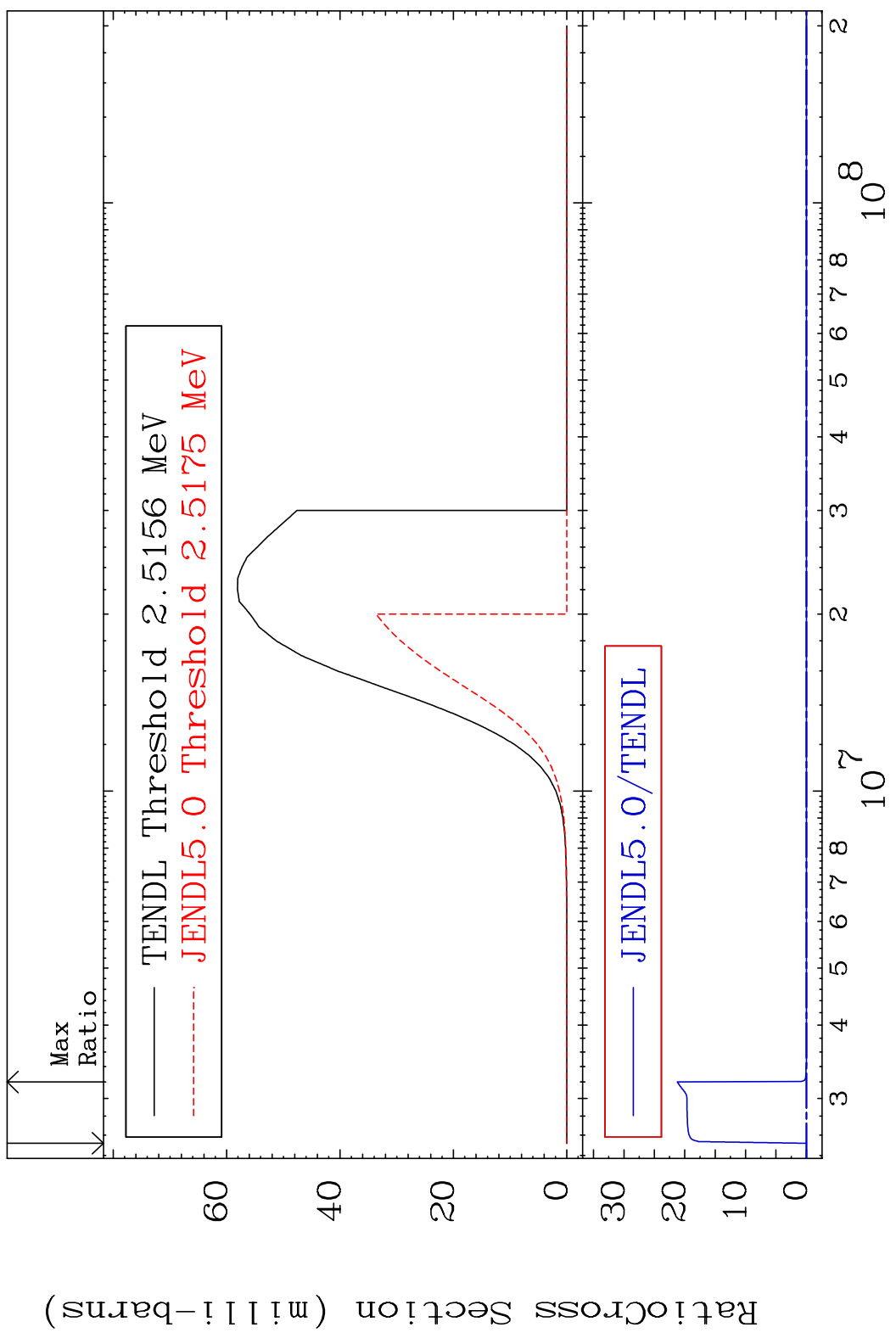
50-Sn-116

MAT 5037

(n,p)

50-Sn-116

Cross Section -100.0 To 9999. %

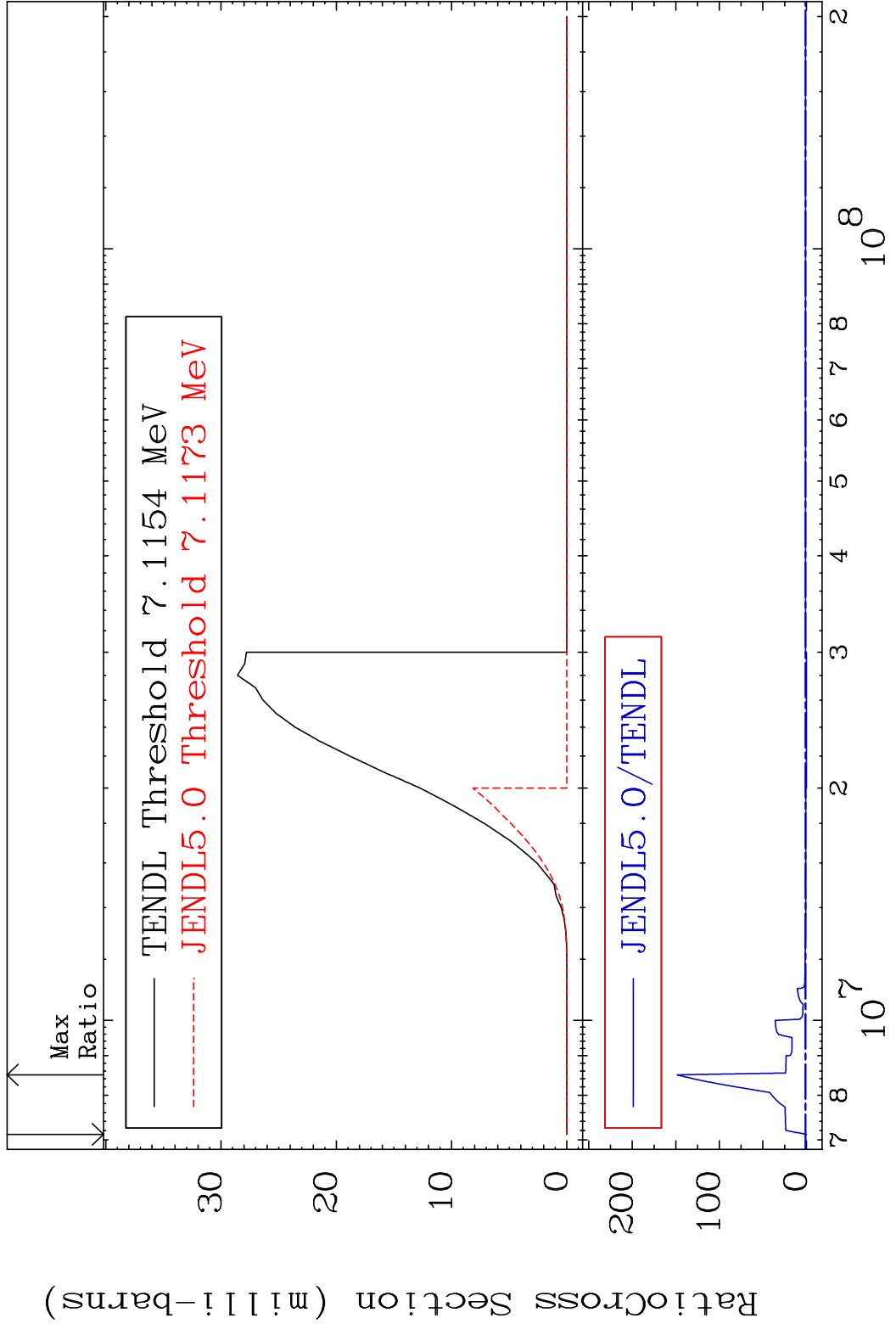


35

Incident Energy (eV)

50-Sn-116

MAT 5037 (n,d) 50-Sn-116
 Cross Section -100.0 To 9999. %

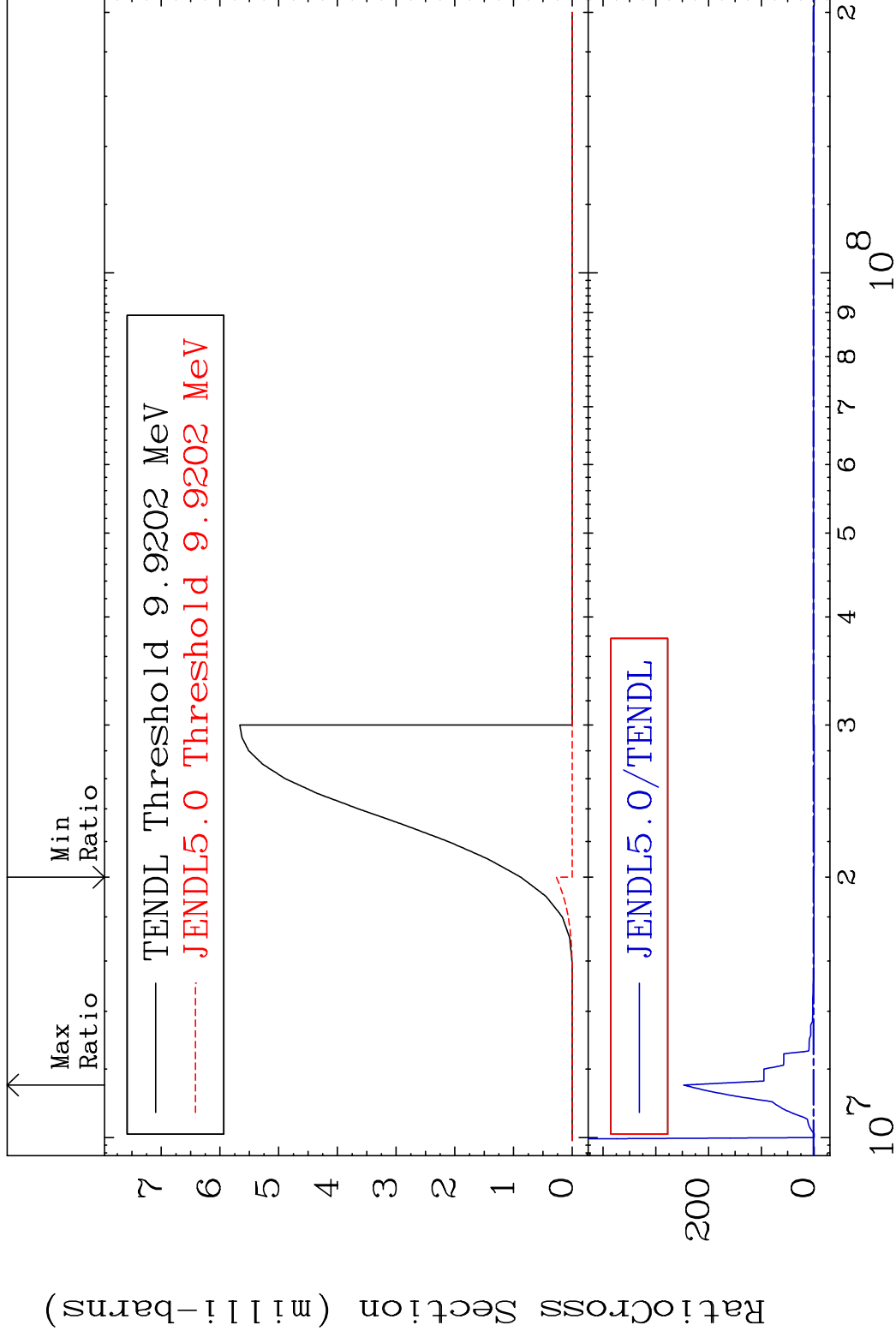


MAT 5037

(n, t)

50-Sn-116

Cross Section -100.0 To 9999. %

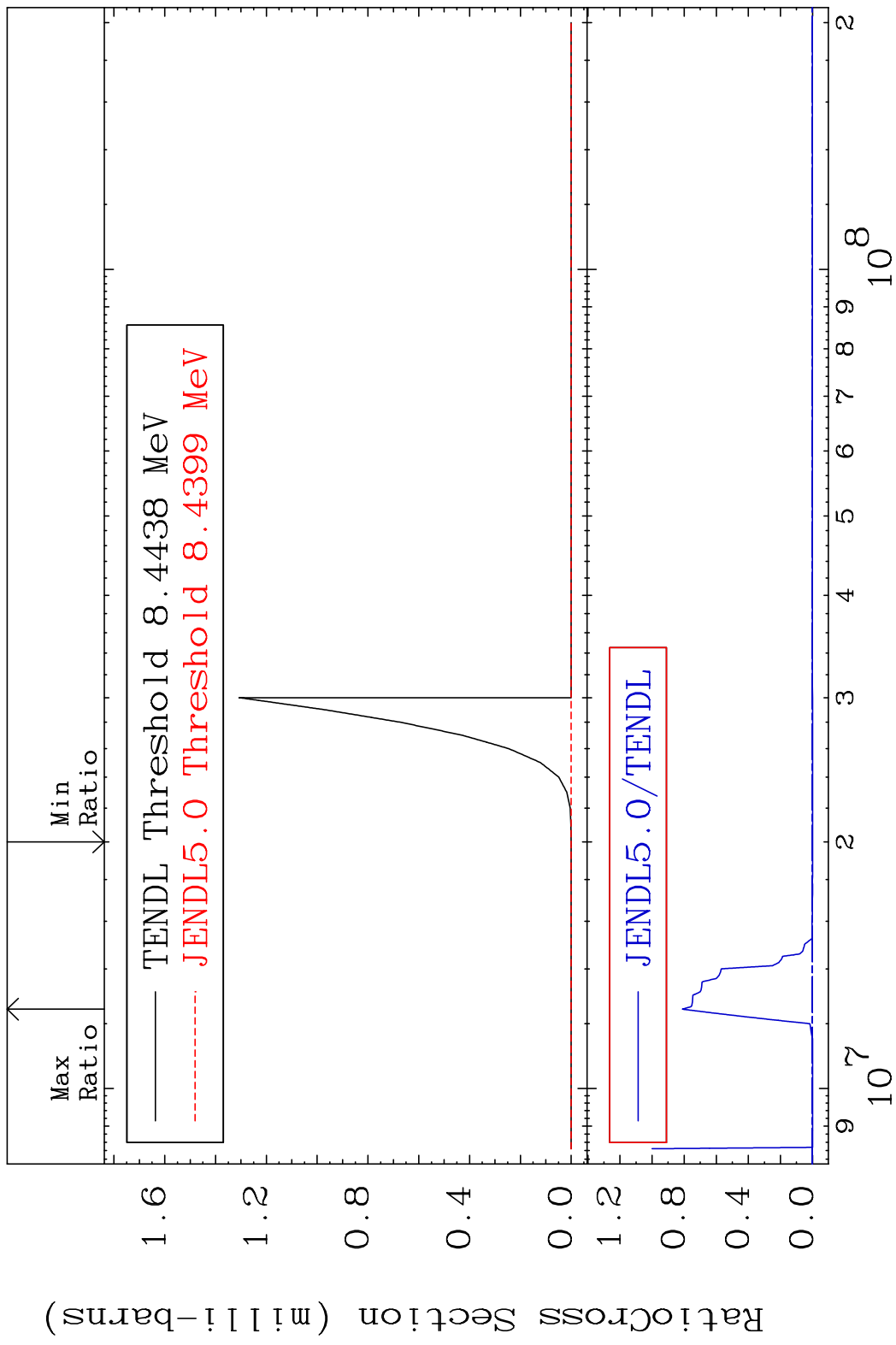


37

Incident Energy (eV)

50-Sn-116

MAT 5037 (n, He-3) 50-Sn-116
 Cross Section -100.0 To 9999. %

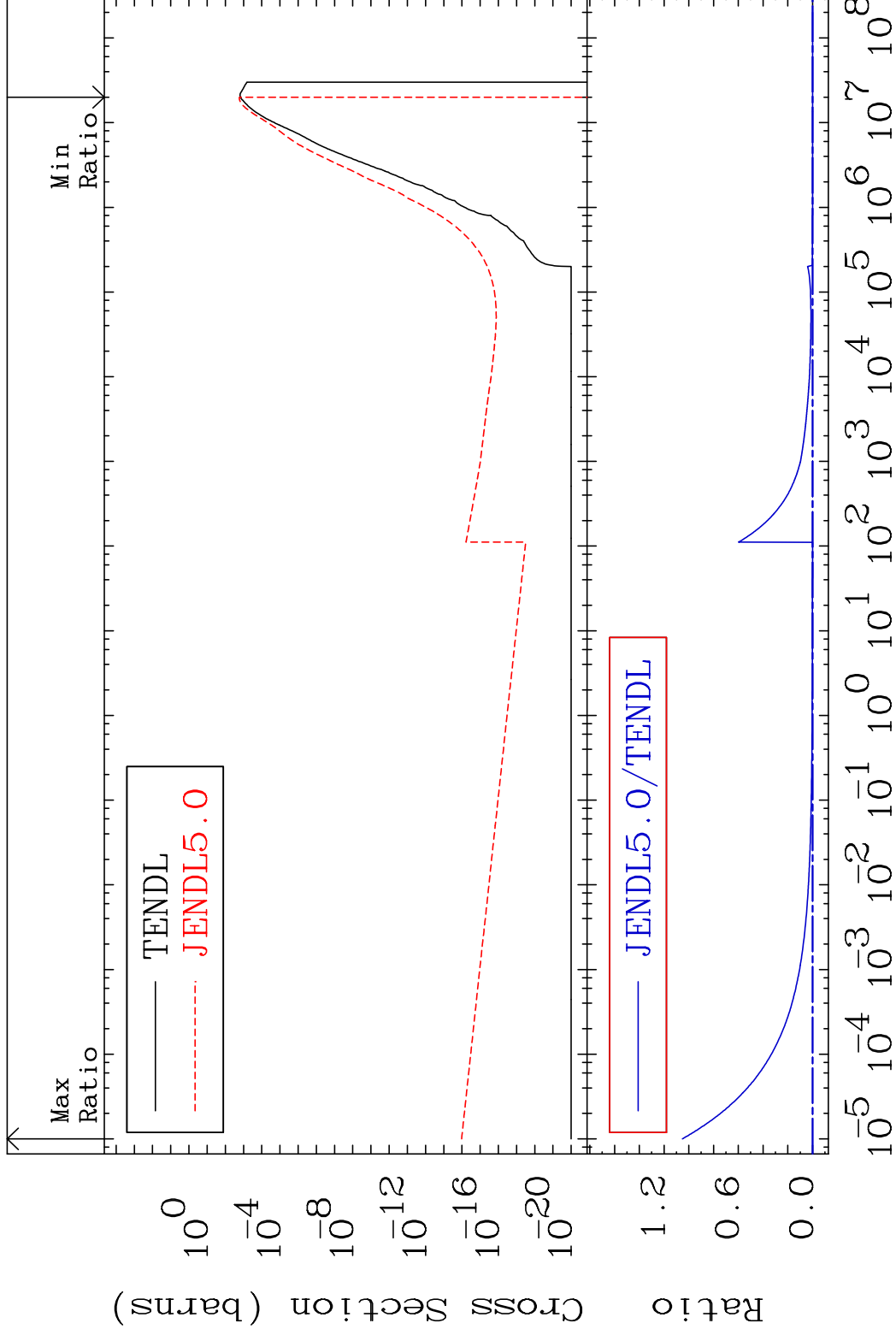


MAT 5037

(n, α)

50-Sn-116

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

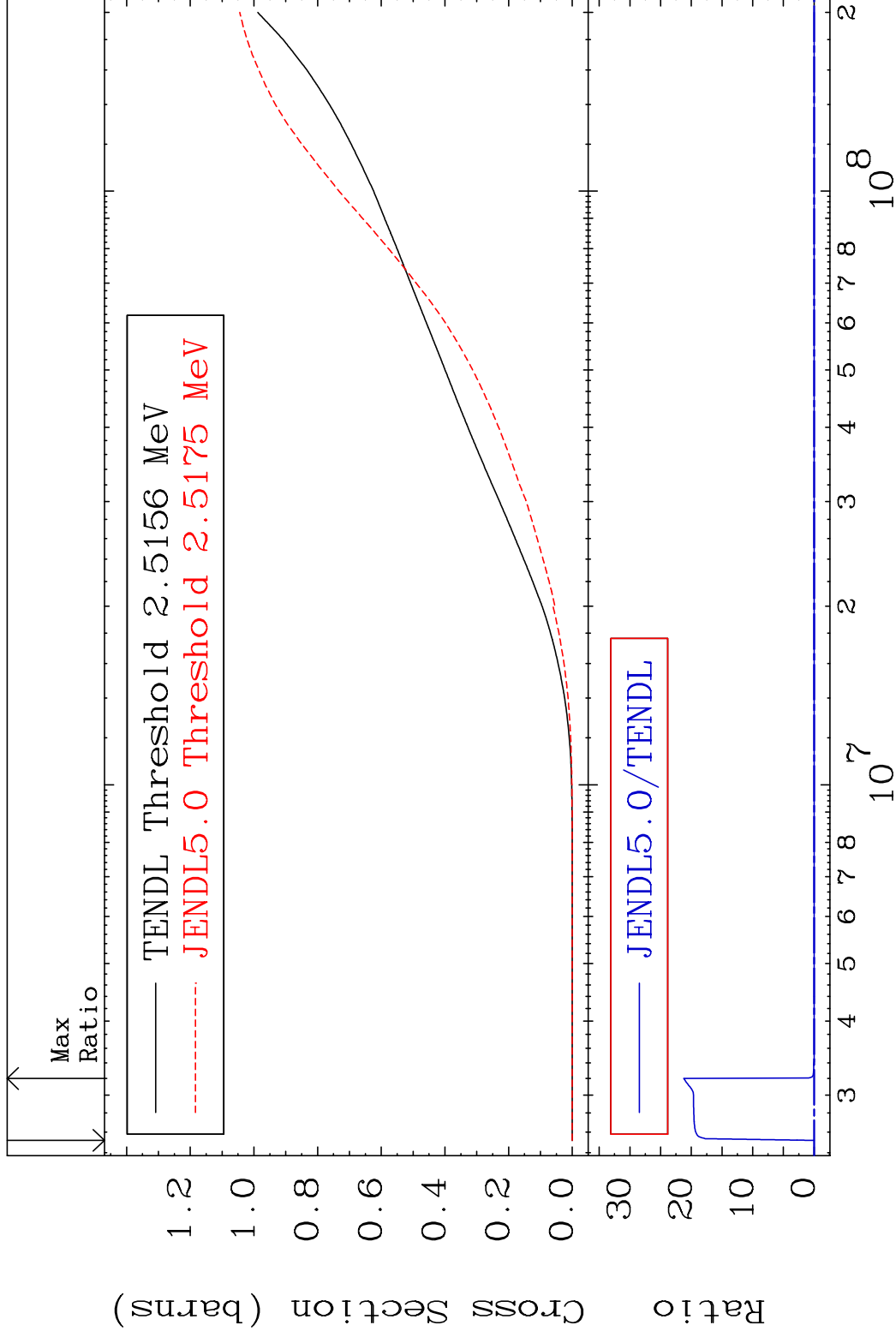
50-Sn-116

MAT 5037

Hydrogen Production

50-Sn-116

Cross Section -100.0 To 9999. %

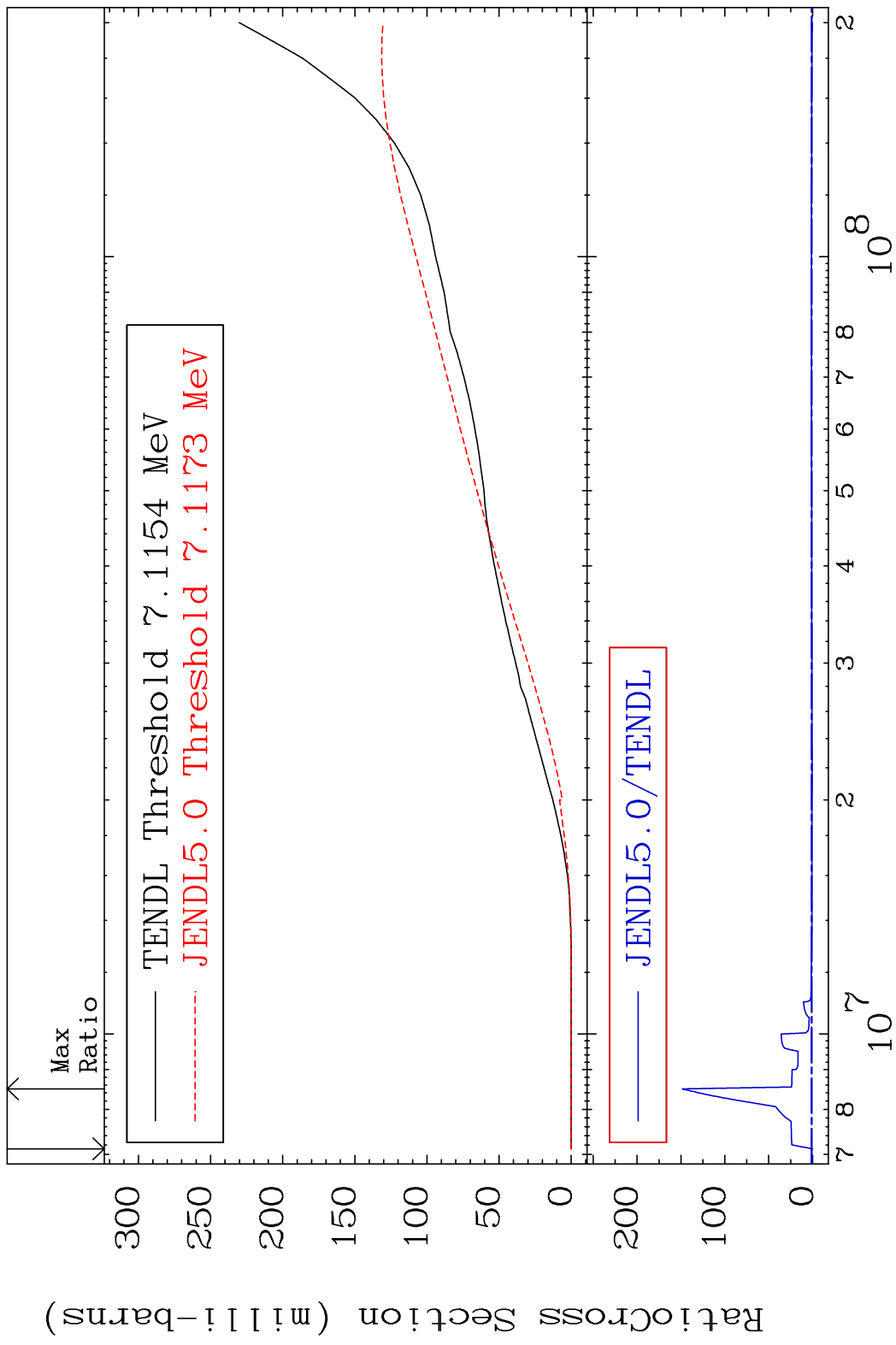


40

Incident Energy (eV)

50-Sn-116

MAT 5037 Deuterium Production 50-Sn-116
 Cross Section -100.0 To 9999. %

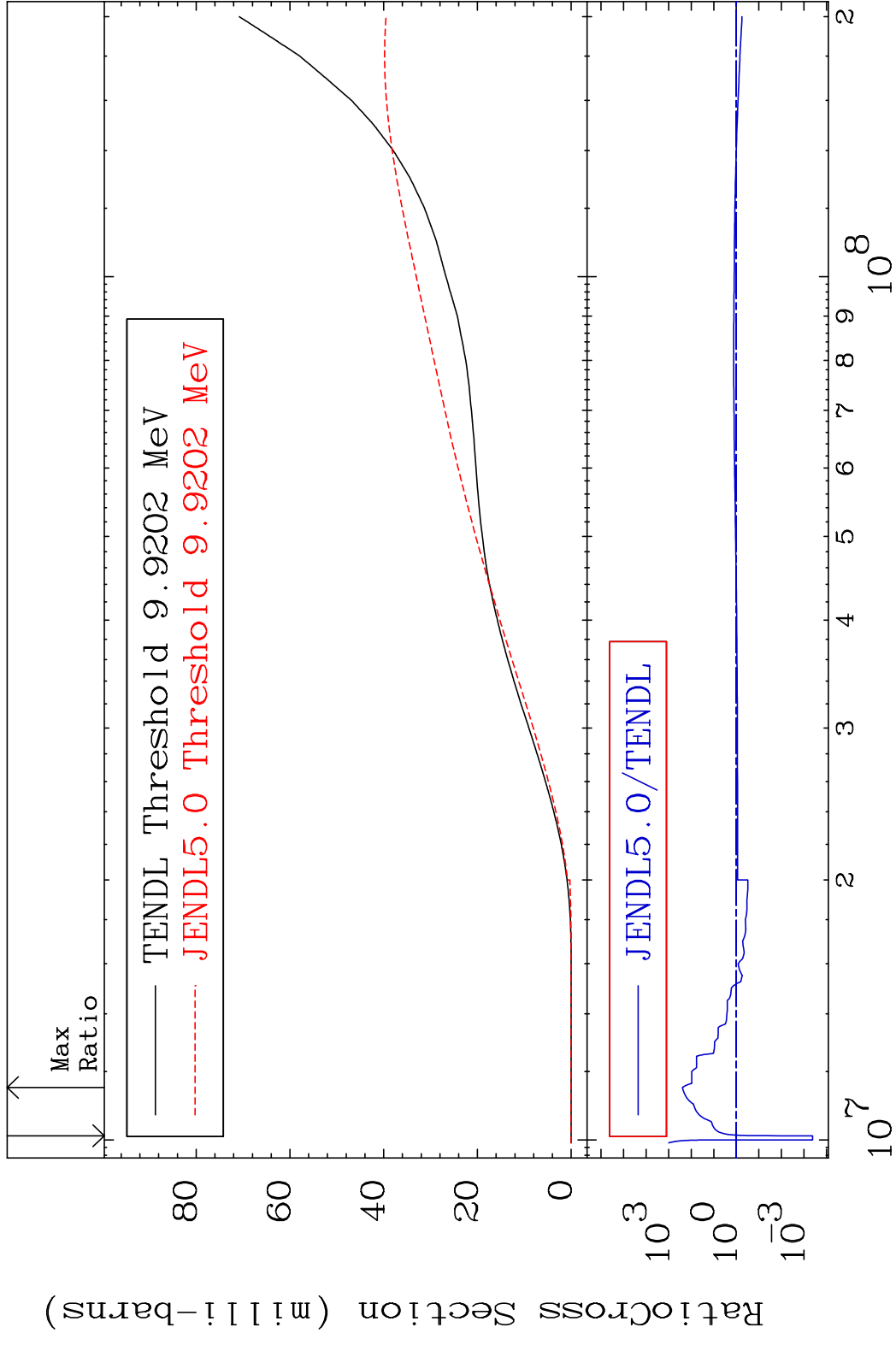


MAT 5037

Tritium Production

50-Sn-116

Cross Section -99.96 To 9999. %



42

Incident Energy (eV)

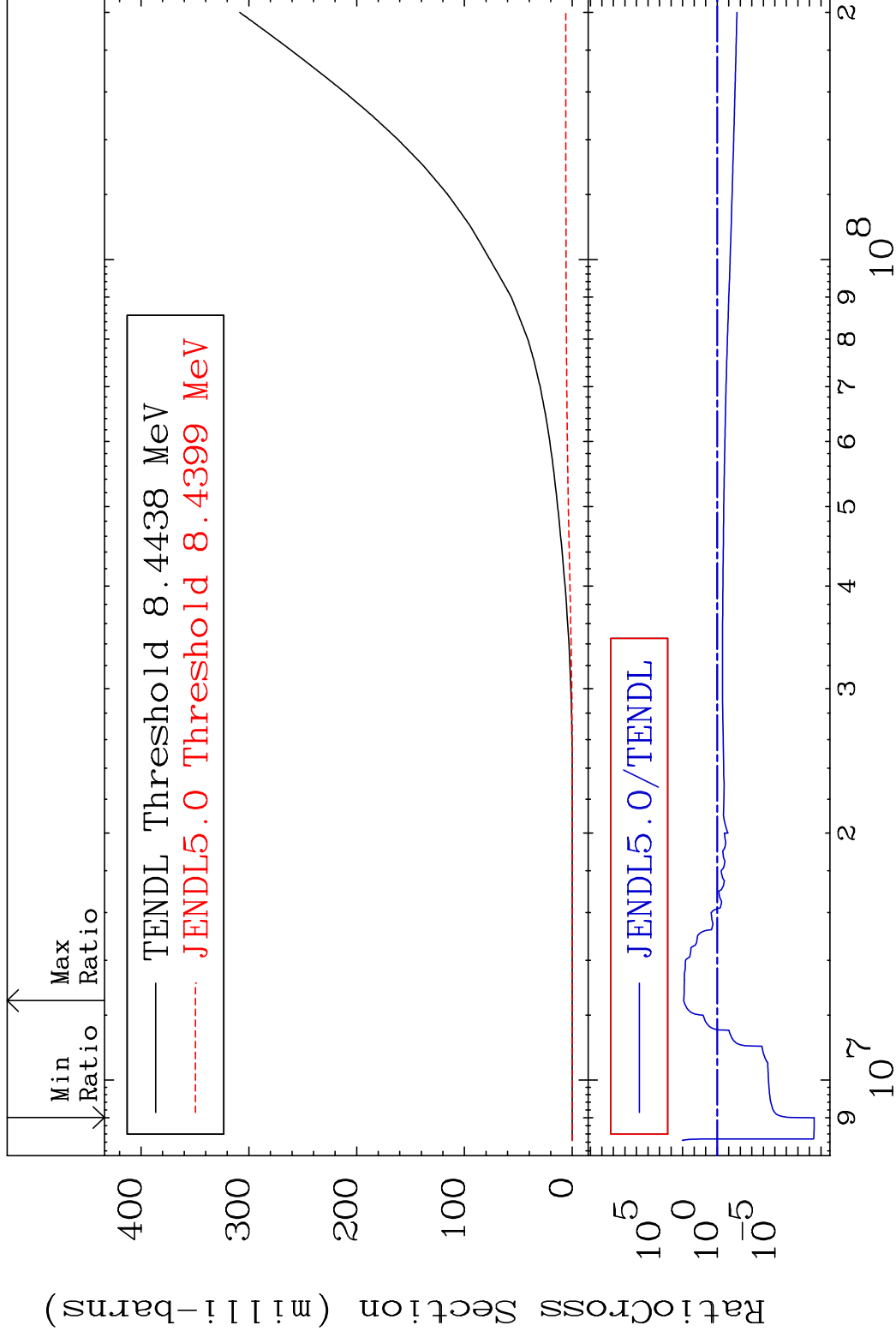
50-Sn-116

MAT 5037

He-3 Production

50-Sn-116

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

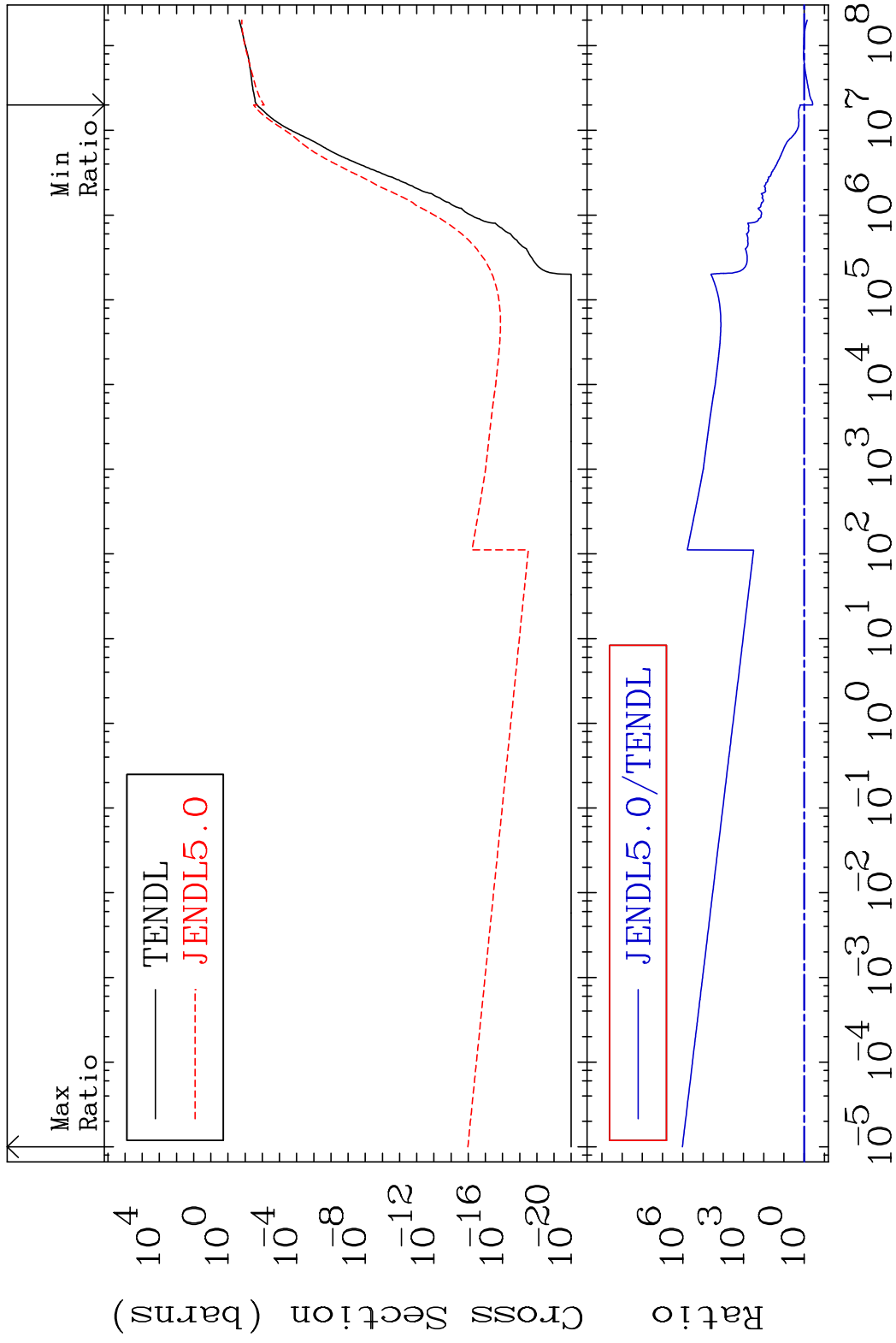
50-Sn-116

MAT 5037

He-4 Production

50-Sn-116

Cross Section -61.49 To 9999. %

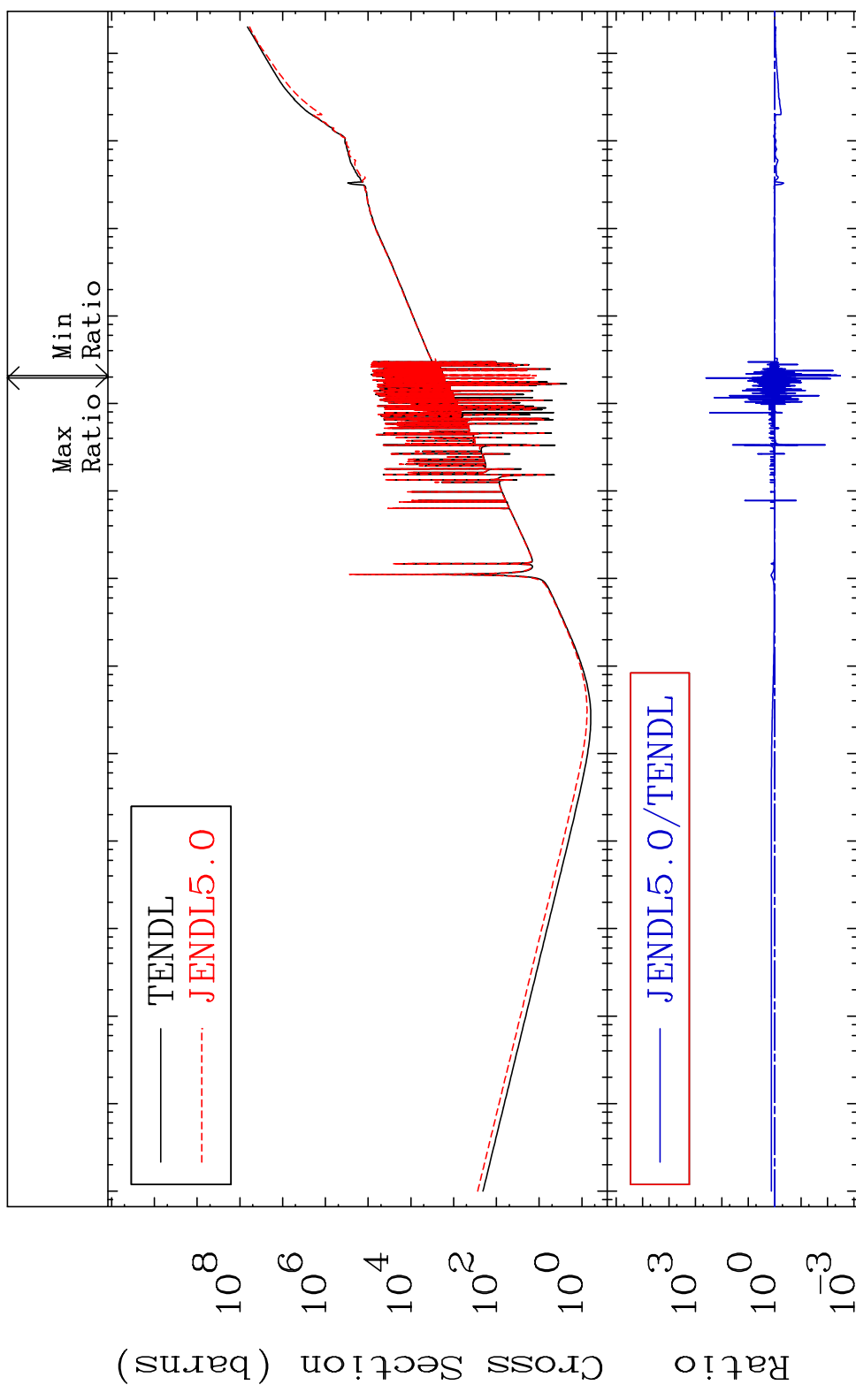


MAT 5037

Kerma total (eV-barns)

50-Sn-116

Cross Section -99.68 To 9999. %



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

45

Incident Energy (eV)

50-Sn-116

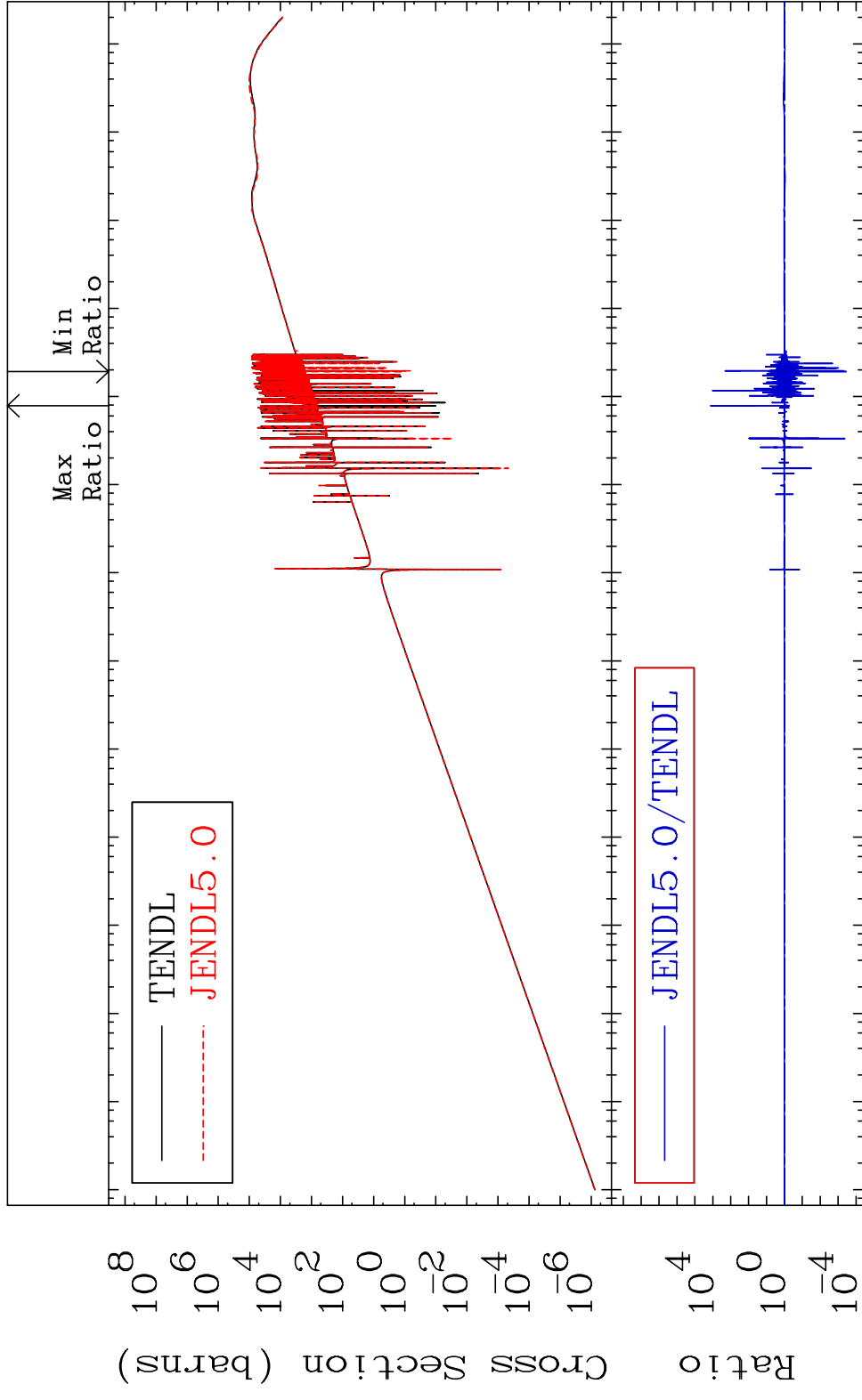
MAT 5037

Kerma elastic

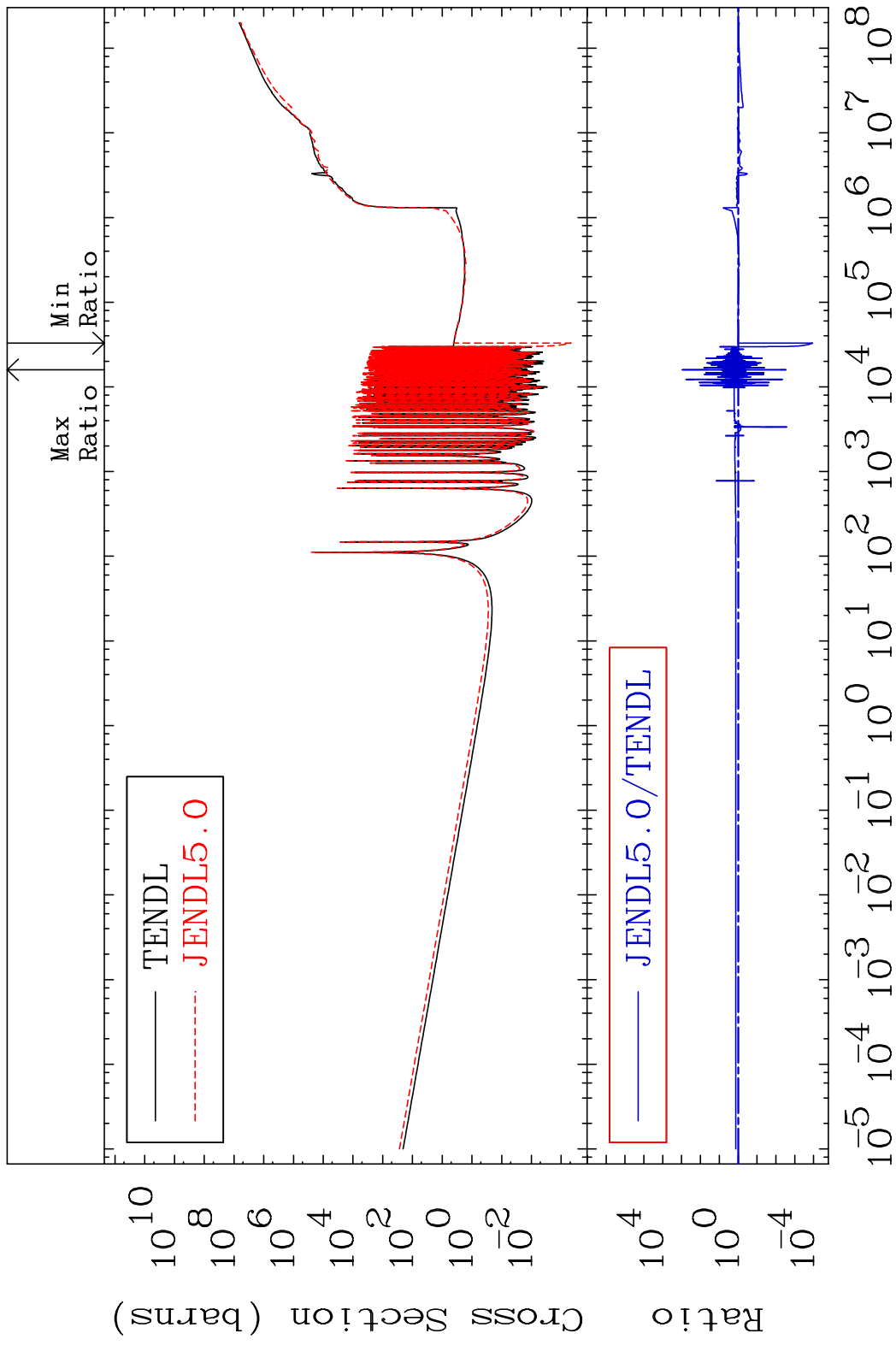
50-Sn-116

Cross Section

-99.97 To 9999. %



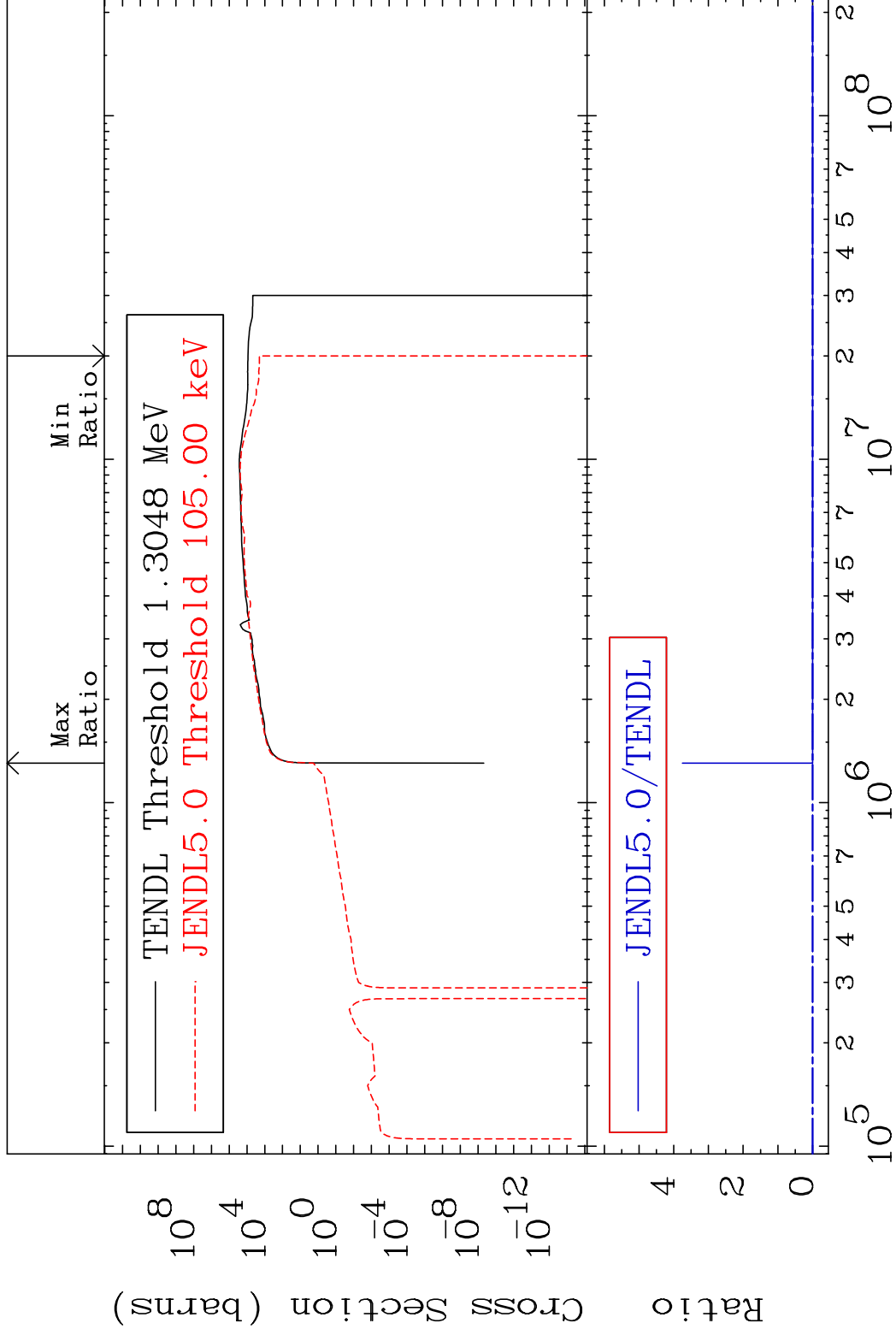
MAT 5037 Kerma non-elastic (all but mt2) 50-Sn-116
Cross Section -99.99 To 9999. %



MAT 5037

Kerma inelastic (mt51-91) 50-Sn-116

Cross Section -100.0 To 9999. %

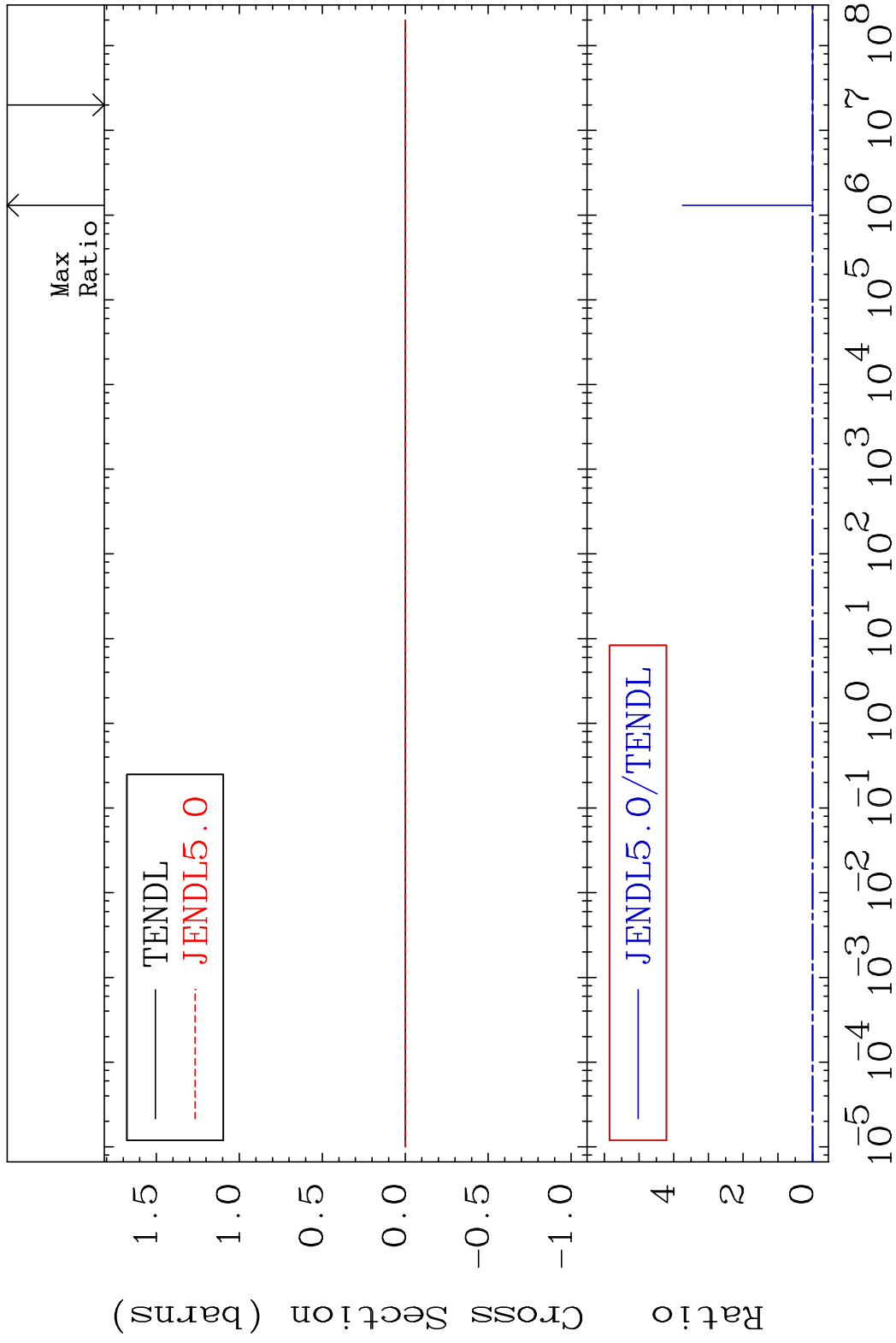


48

Incident Energy (eV)

50-Sn-116

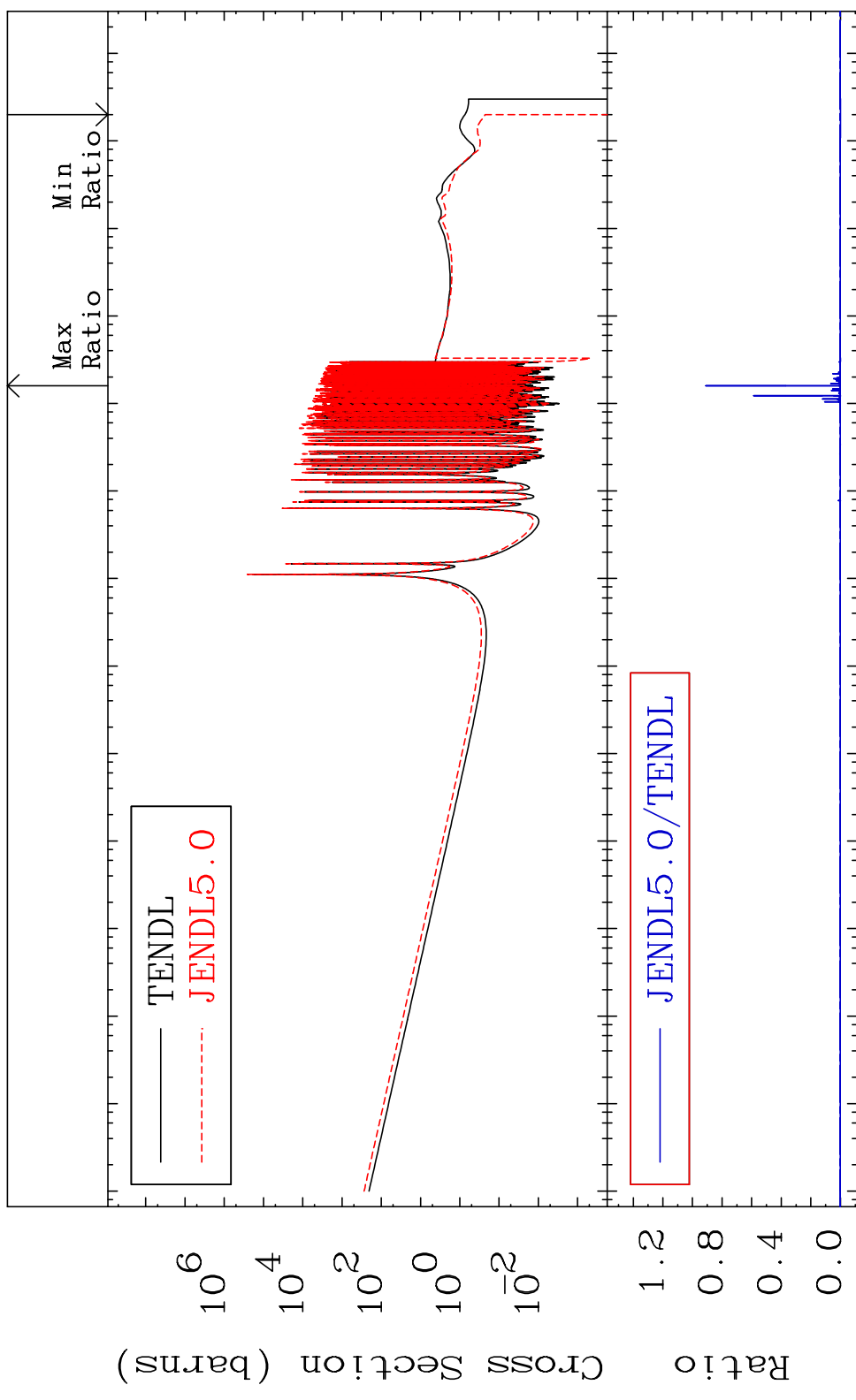
MAT 5037 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-116
 Cross Section -100.0 To 9999. %



MAT 5037

Kerma capture (mt102) 50-Sn-116

Cross Section -100.0 To 9999. %



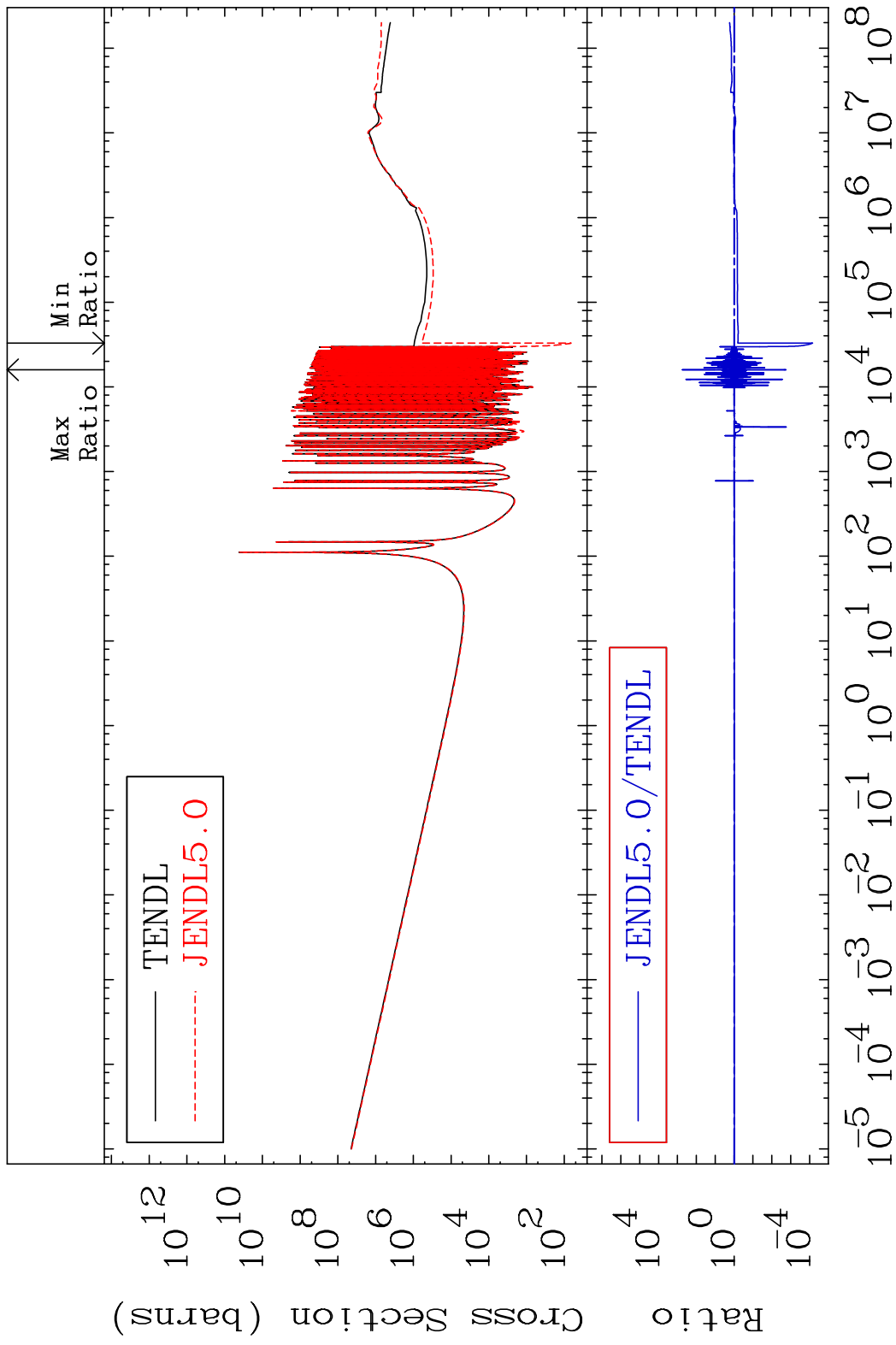
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

50

Incident Energy (eV)

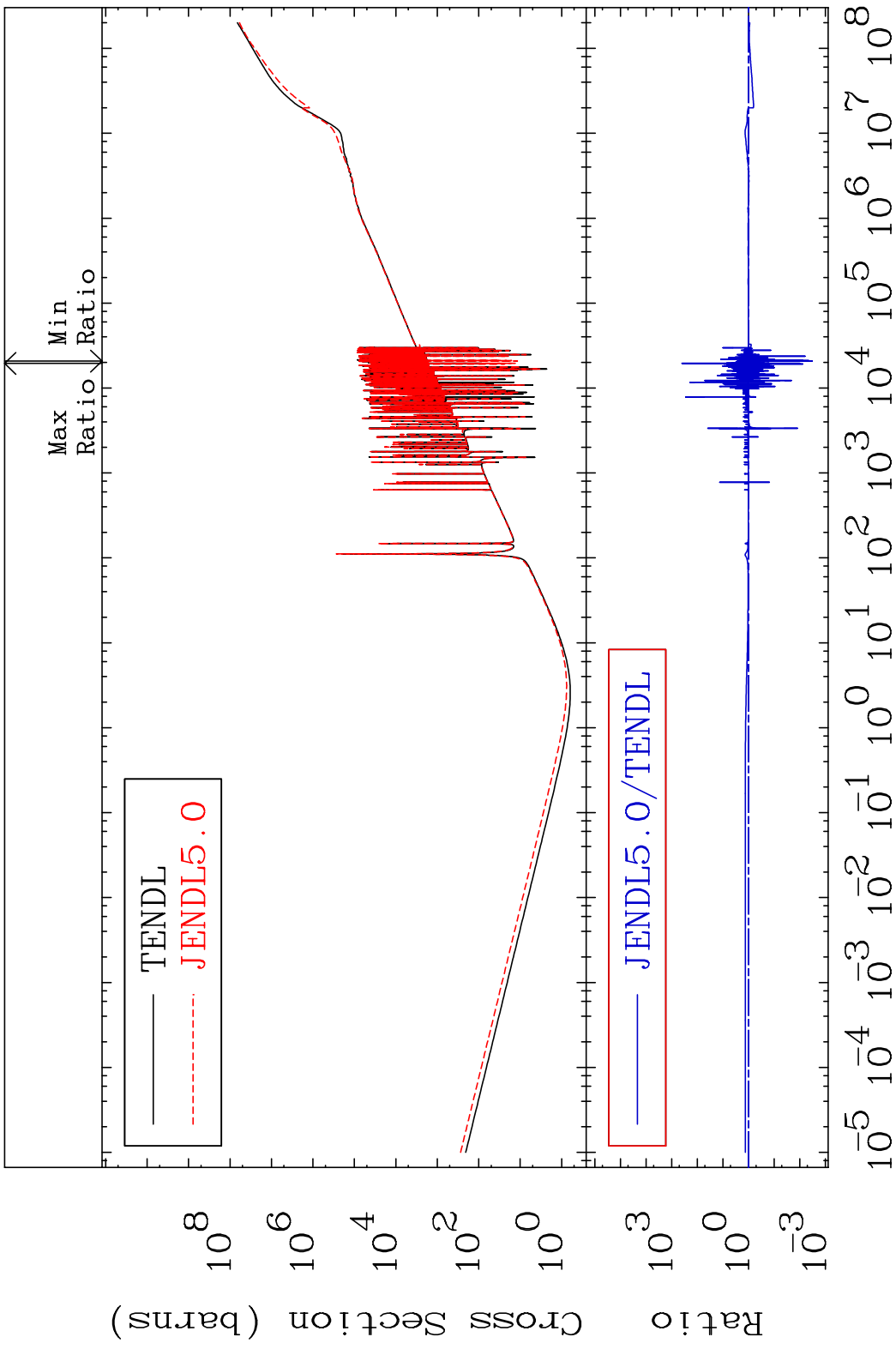
50-Sn-116

MAT 5037 Total photon (eV-barns) 50-Sn-116
Cross Section -99.99 To 9999. %



51 Incident Energy (eV) 50-Sn-116

MAT 5037 Total kinematic kerma (high limit) 50-Sn-116
Cross Section -99.68 To 9999. %

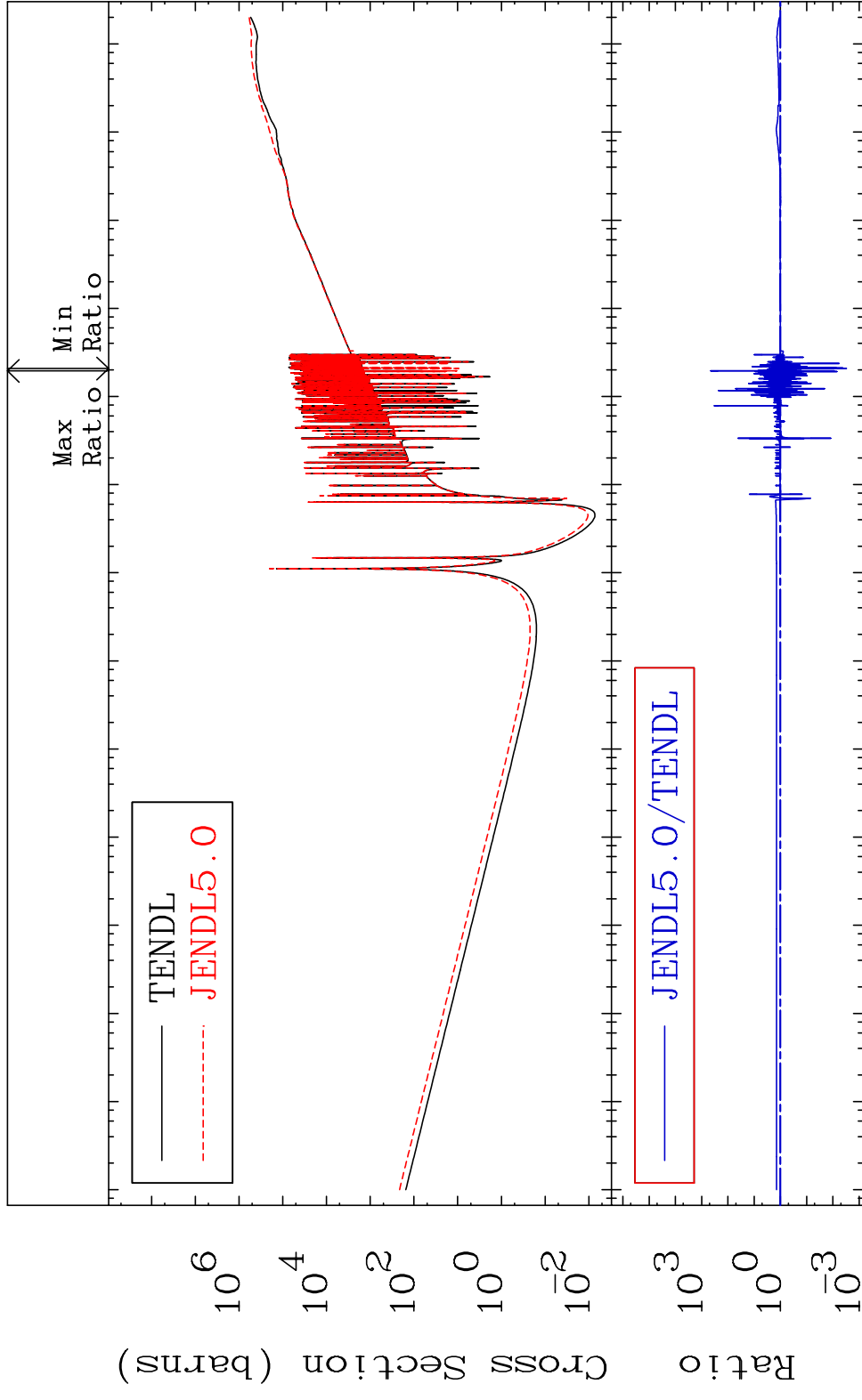


MAT 5037

Dpa total (eV-barns)

50-Sn-116

Cross Section -99.69 To 9999. %

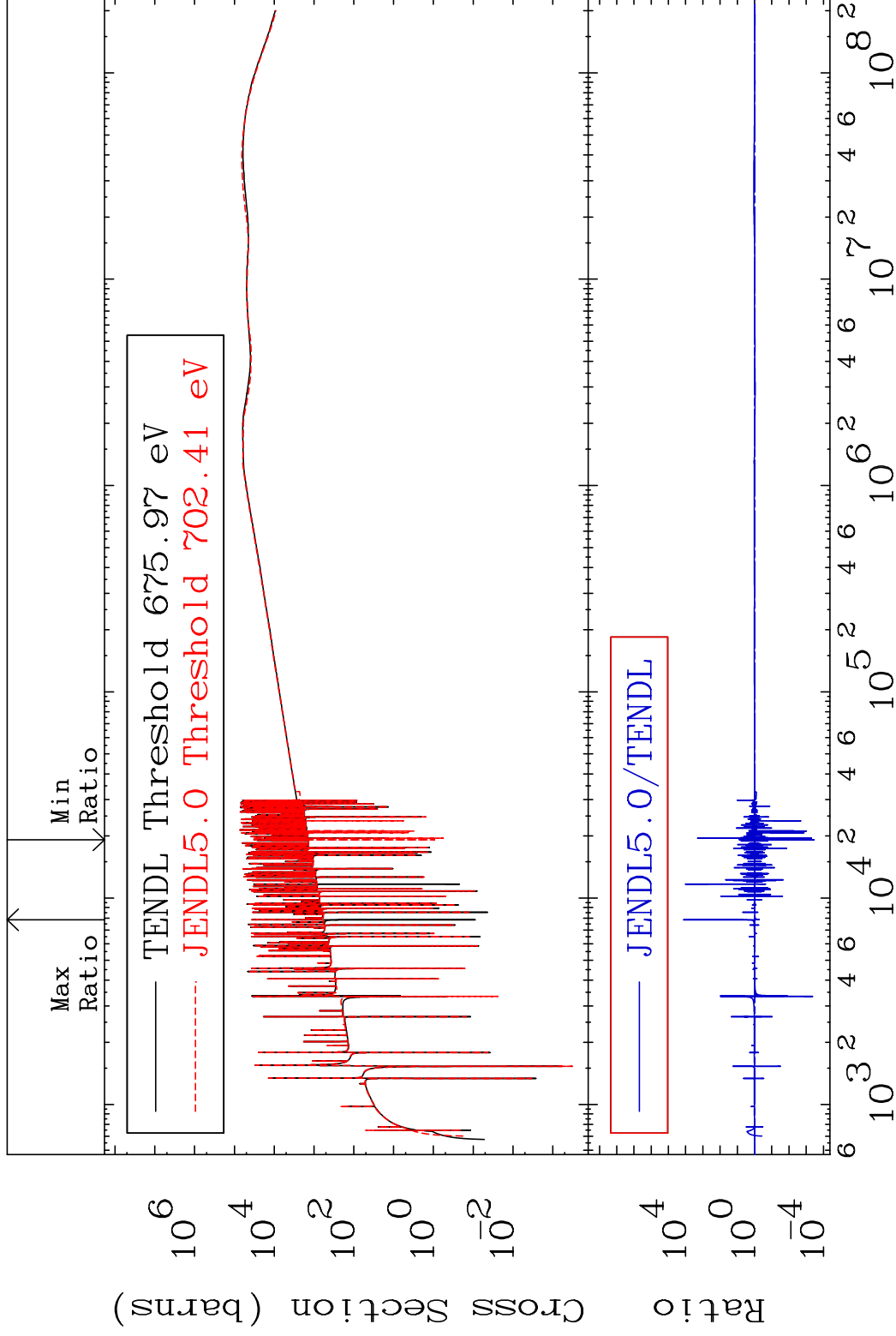


MAT 5037

Dpa elastic (mt2)

50-Sn-116

Cross Section -99.97 To 9999. %



54

Incident Energy (eV)

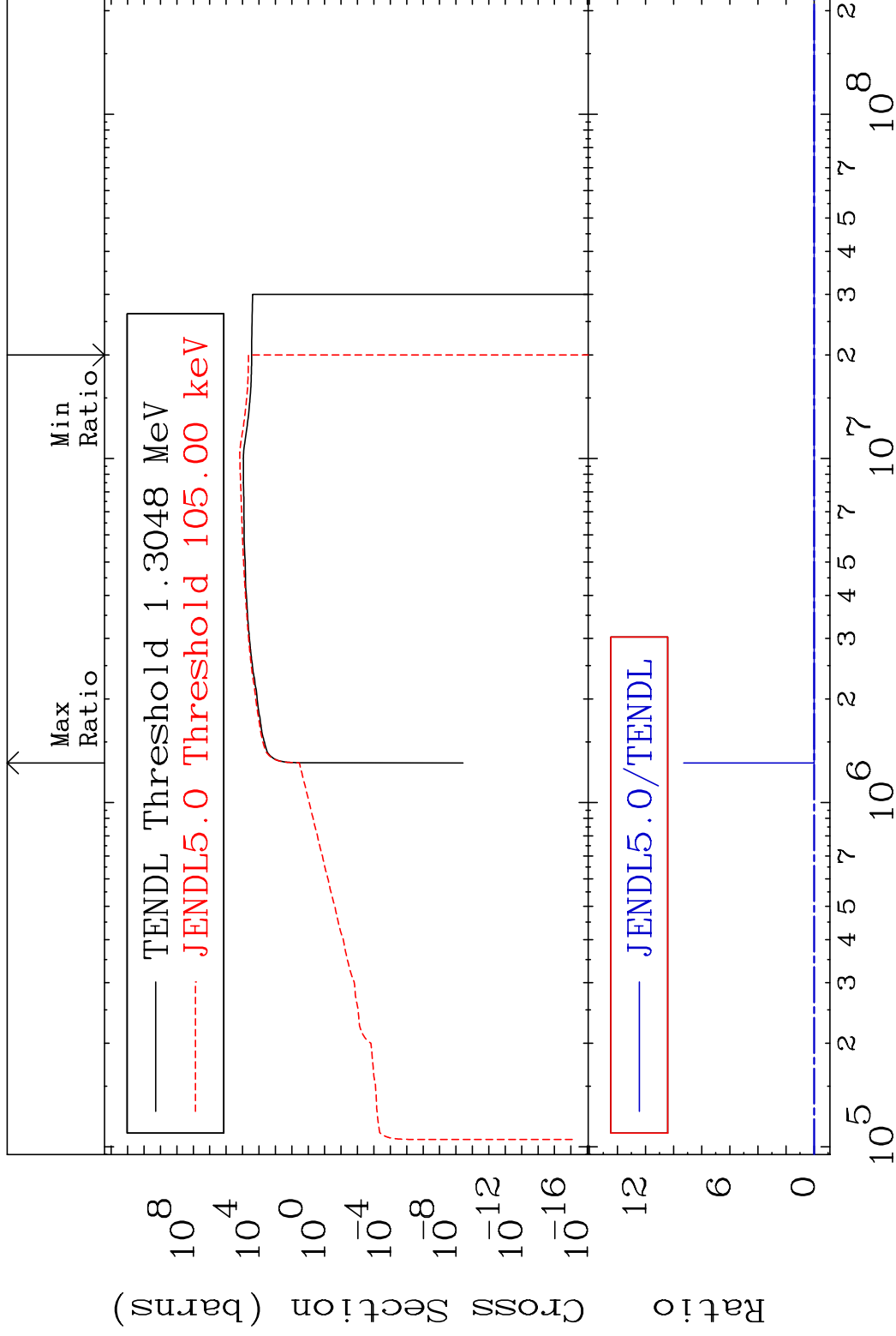
50-Sn-116

MAT 5037

Dpa inelastic (mt51-91)

50-Sn-116

Cross Section -100.0 To 9999. %

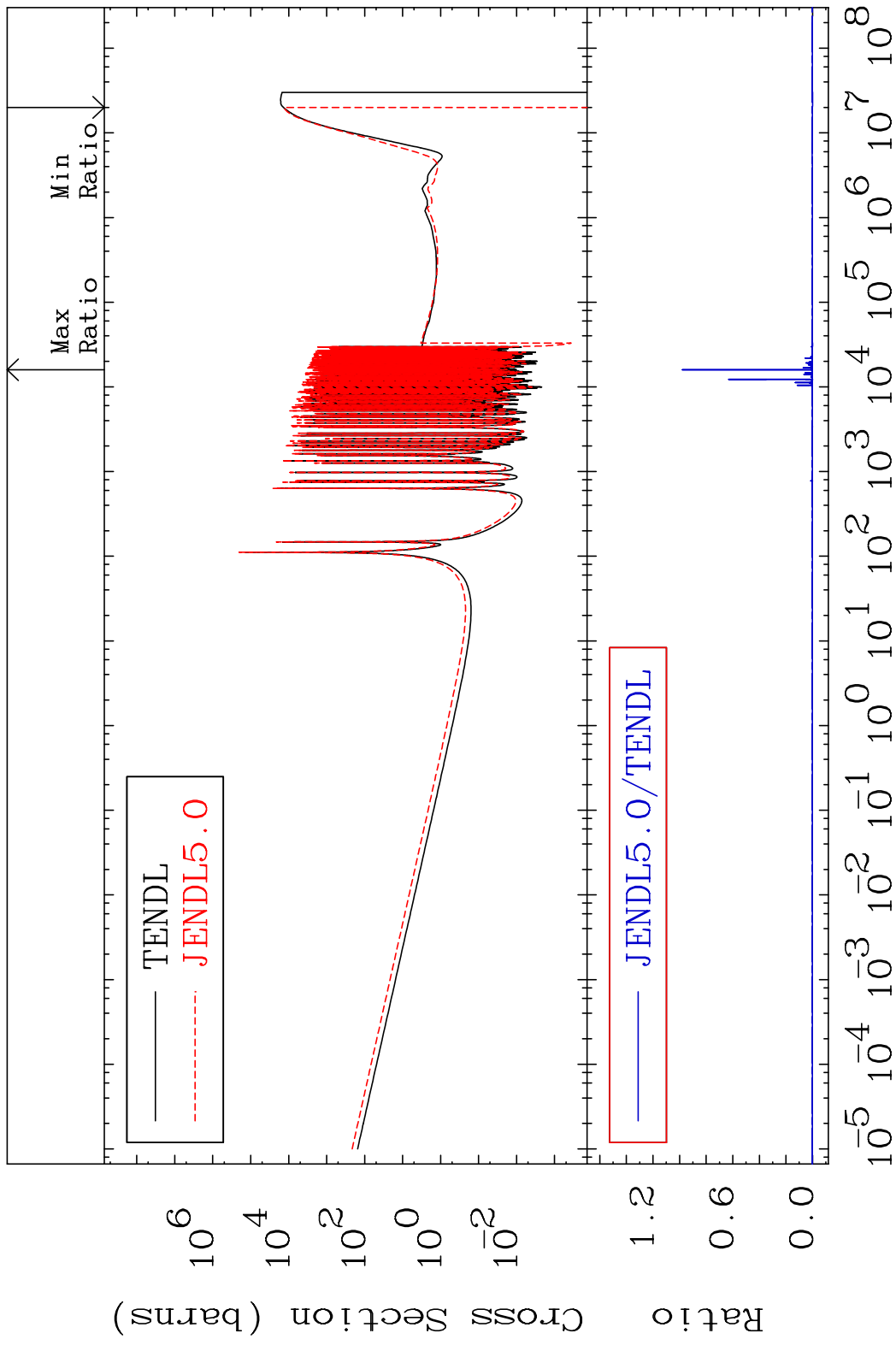


55

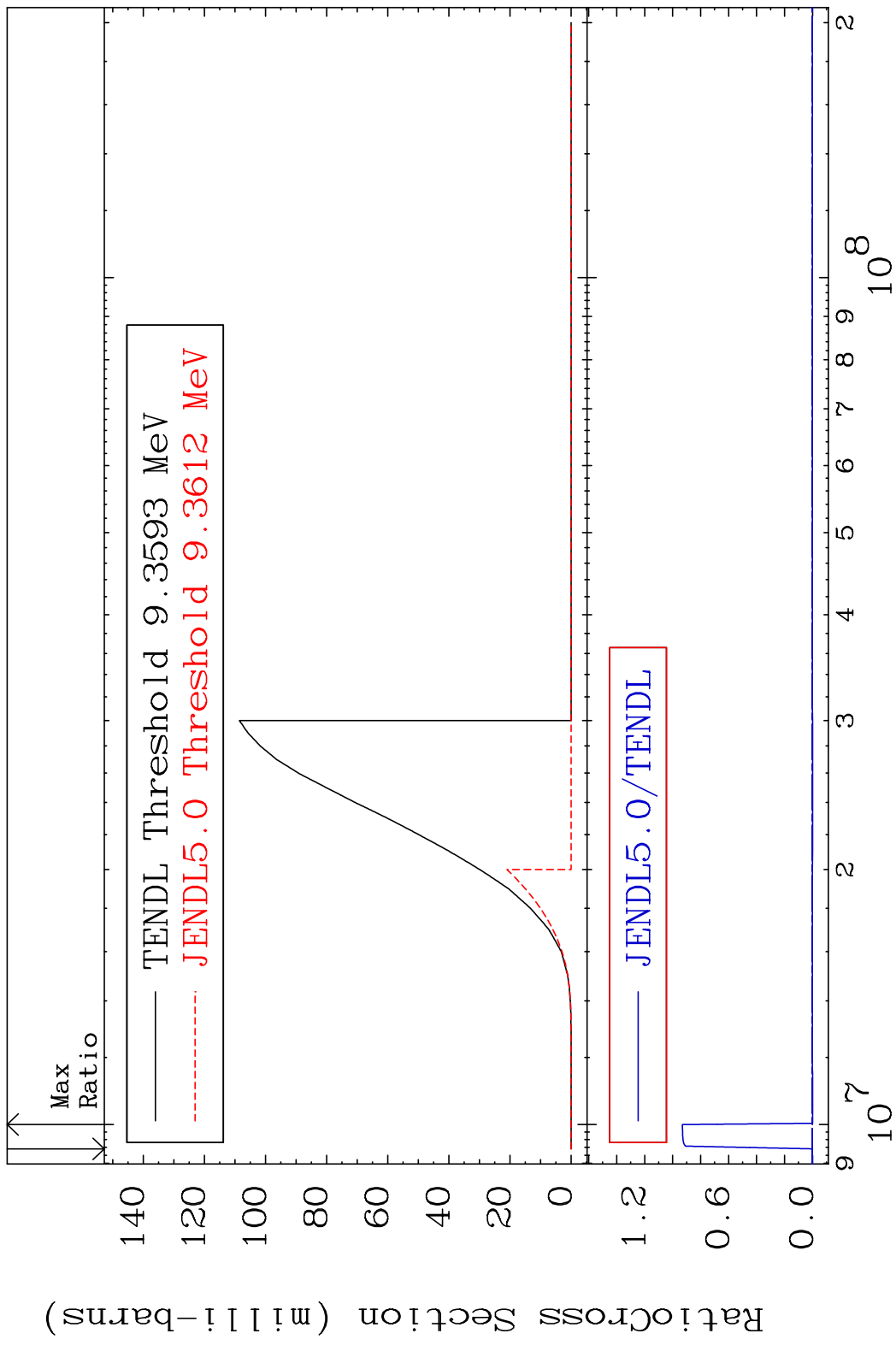
Incident Energy (eV)

50-Sn-116

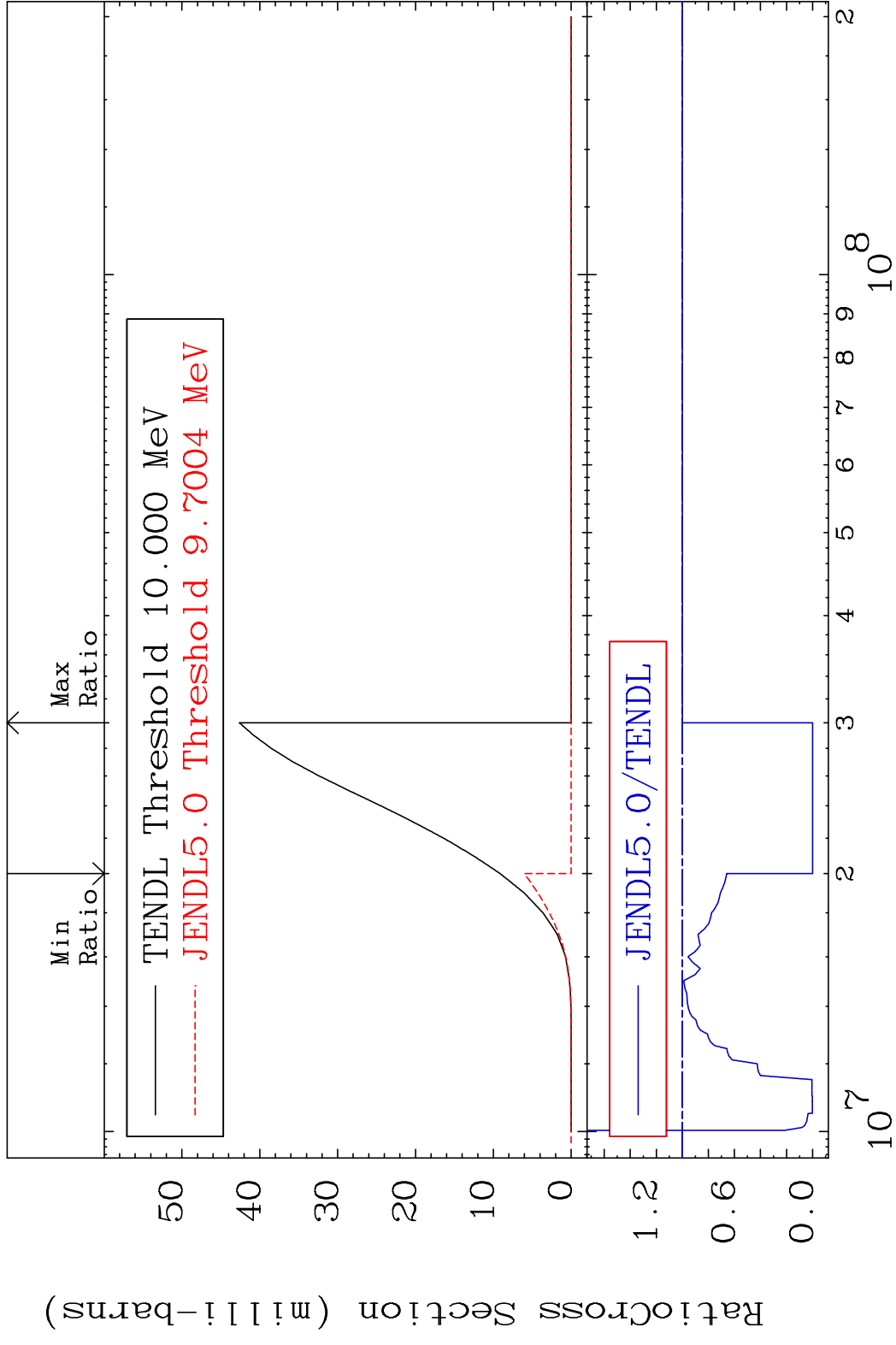
MAT 5037 Dpa disappearance (mt102 -120) 50-Sn-116
 Cross Section -100.0 To 9999. %



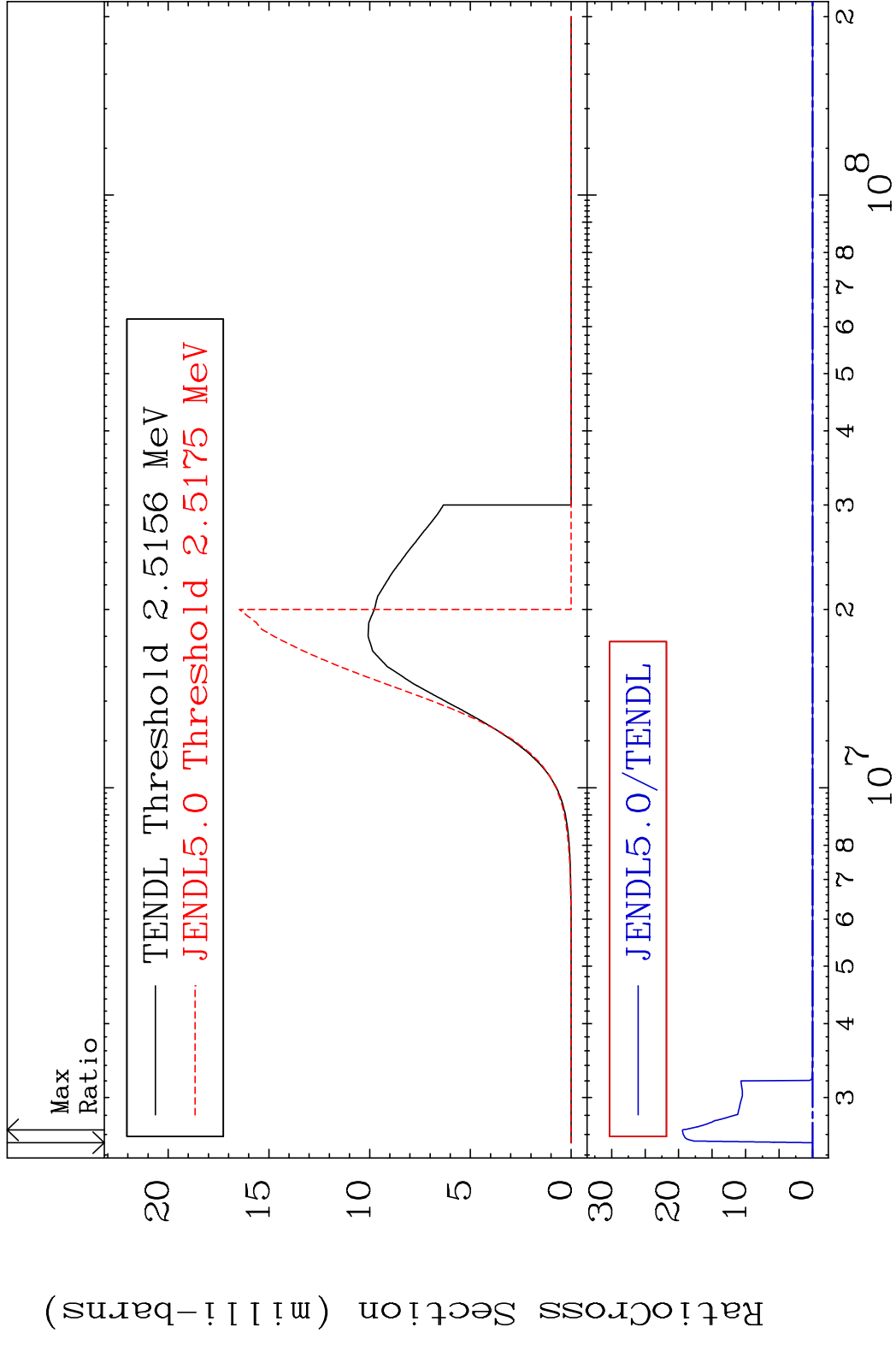
MAT 5037 (n, n') p:49-In-115g 50-Sn-116
 Radionuclide Production Cross Section 1800.0 dth 9999. %



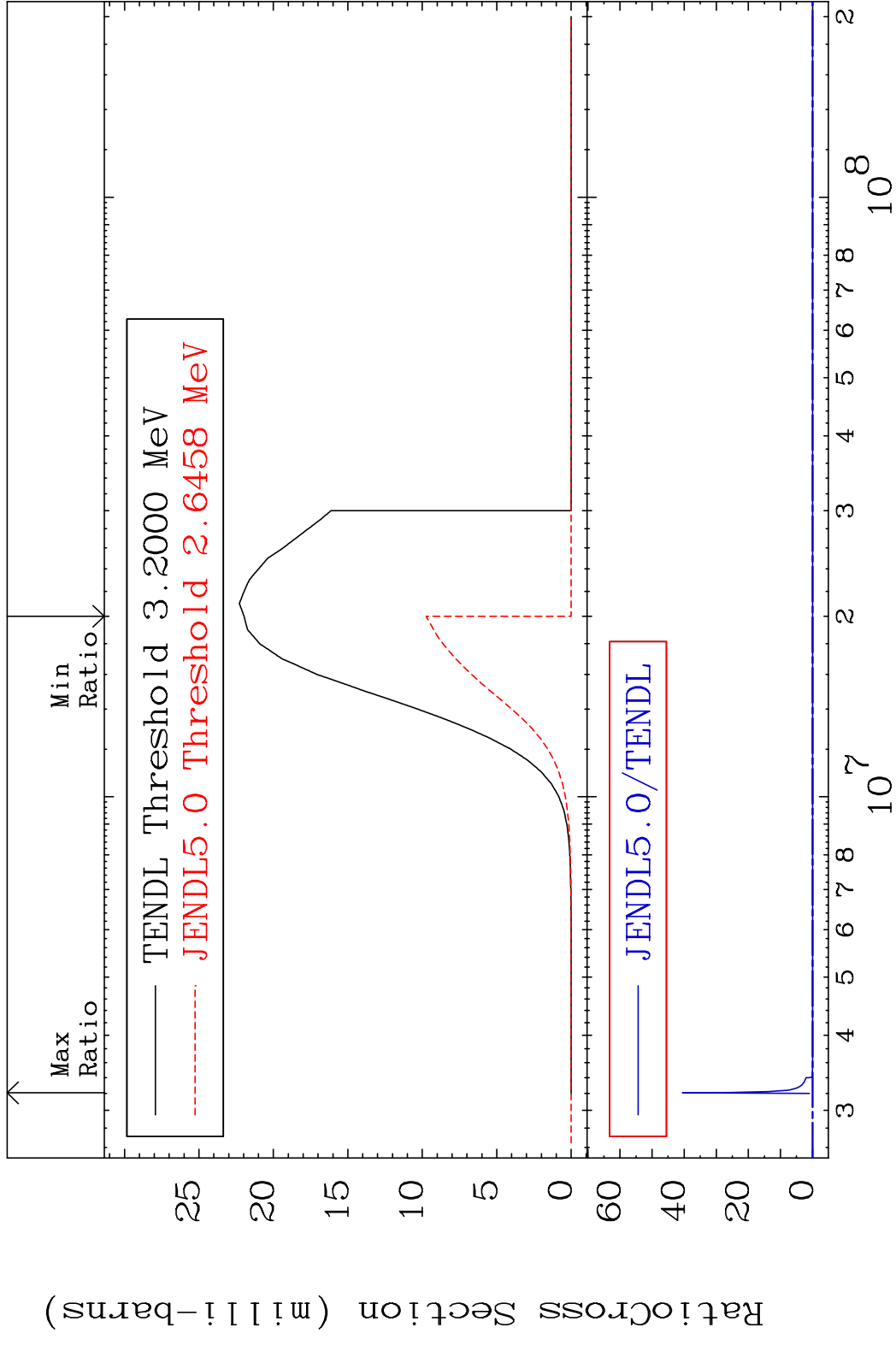
57 Incident Energy (eV) 50-Sn-116



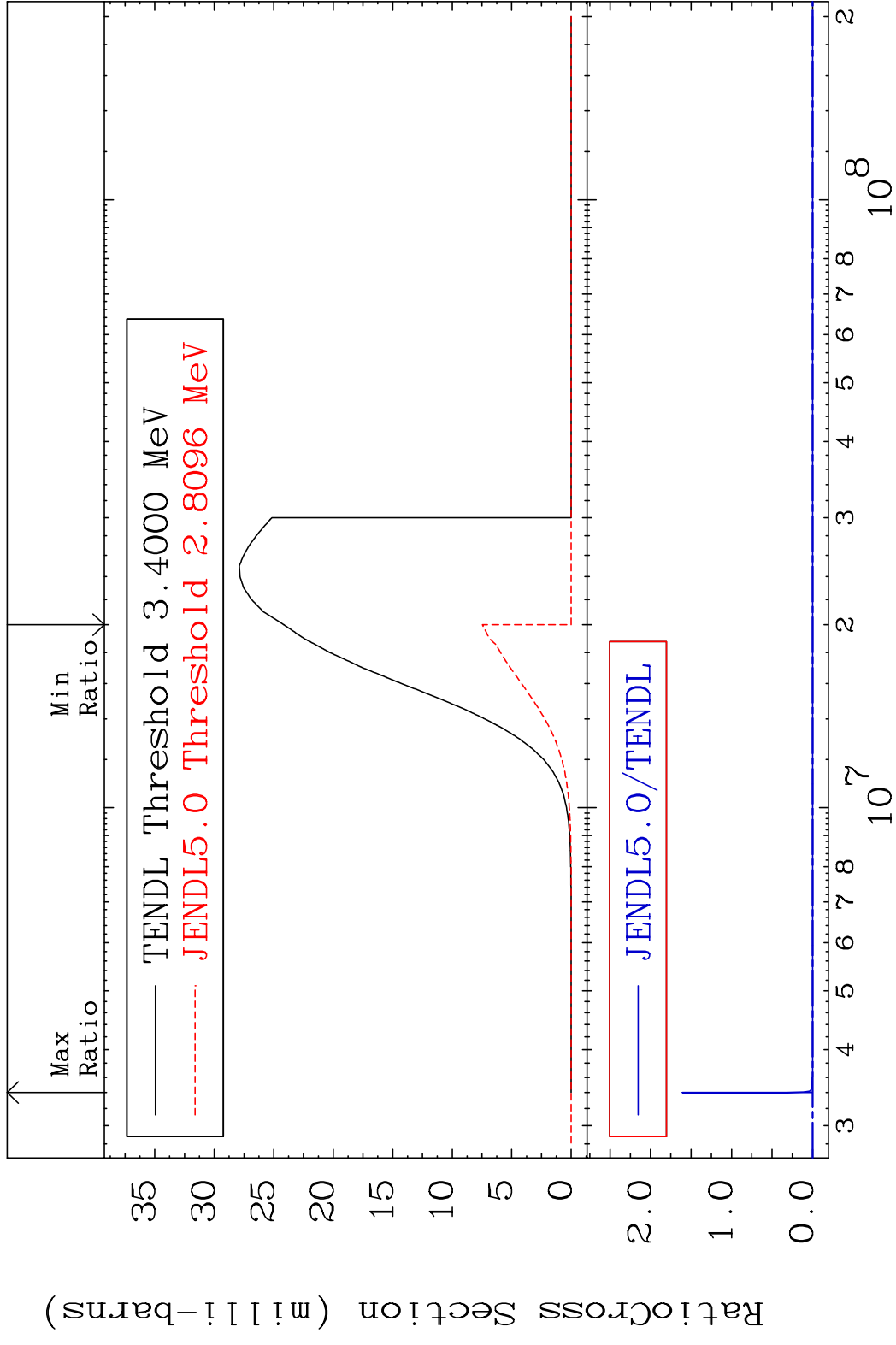
MAT 5037 (n,p):49-In-116g 50-Sn-116
 Radionuclide Production Cross Section Ratio 9999. %



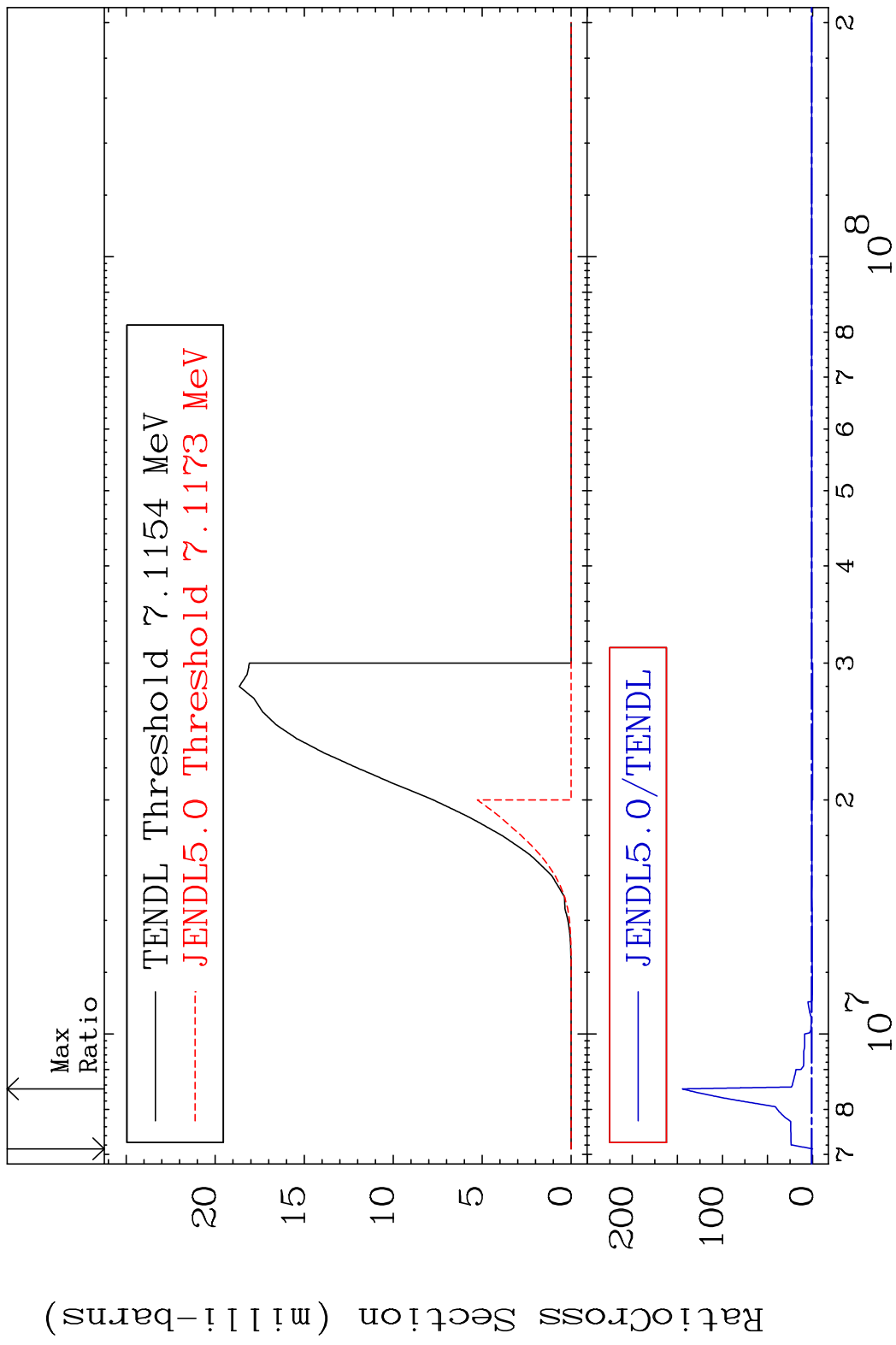
MAT 5037 (n, p):49-In-116m1 50-Sn-116
 Radionuclide Production Cross Section (%)



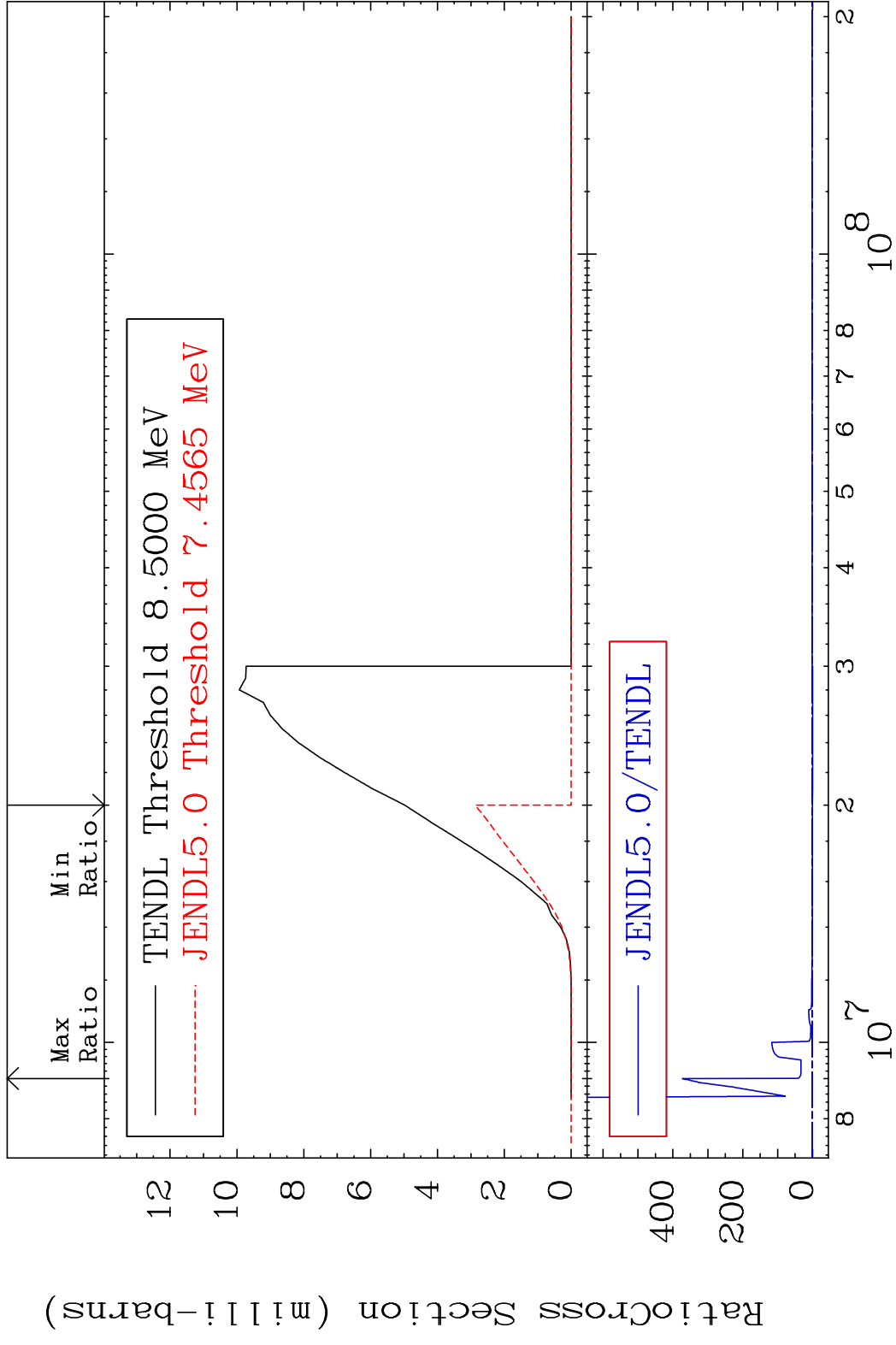
60 Incident Energy (eV) 50-Sn-116

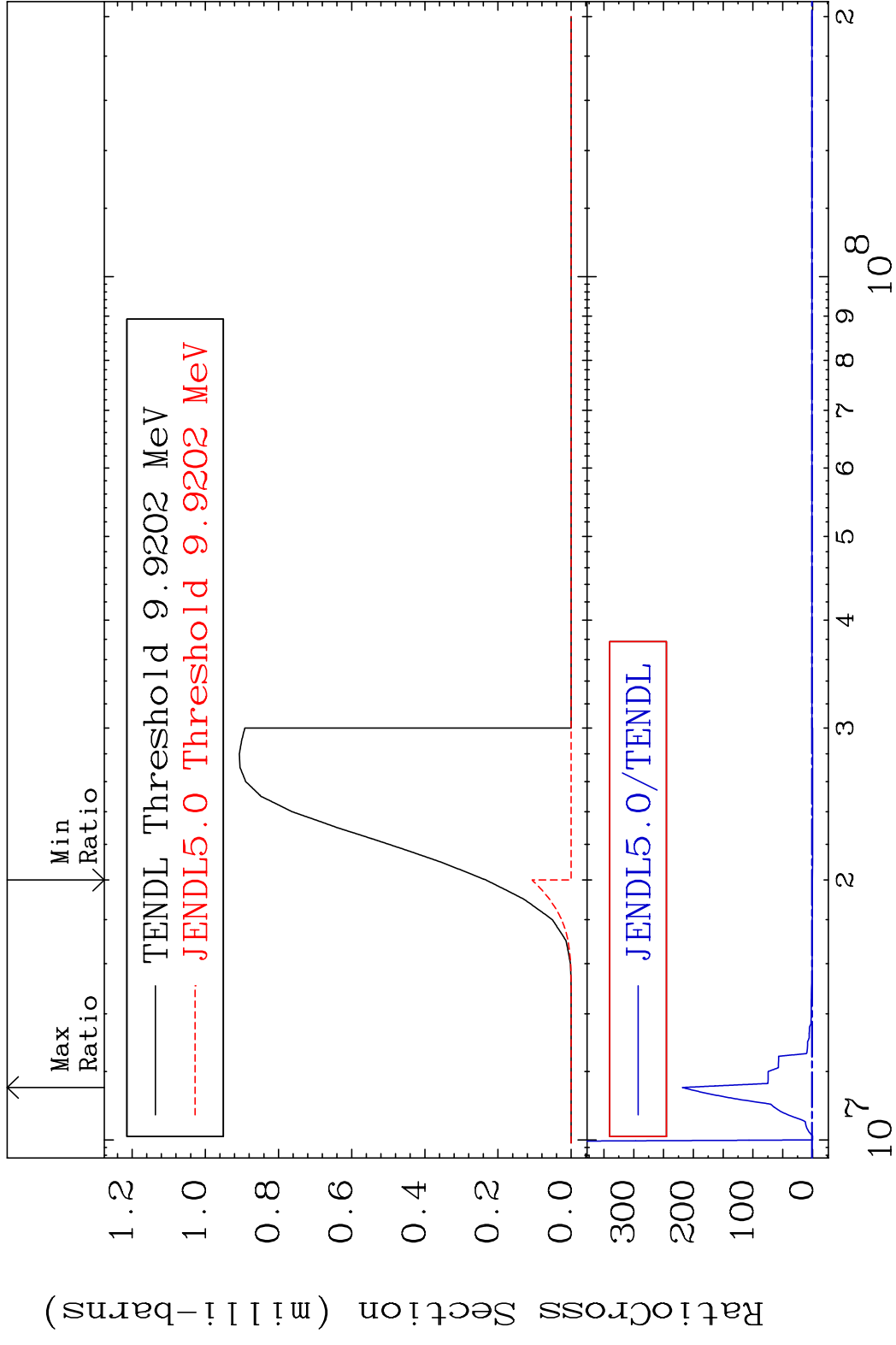


MAT 5037 (n,d):49-In-115g 50-Sn-116
 Radionuclide Production Cross Section 100.00 dth 9999. %

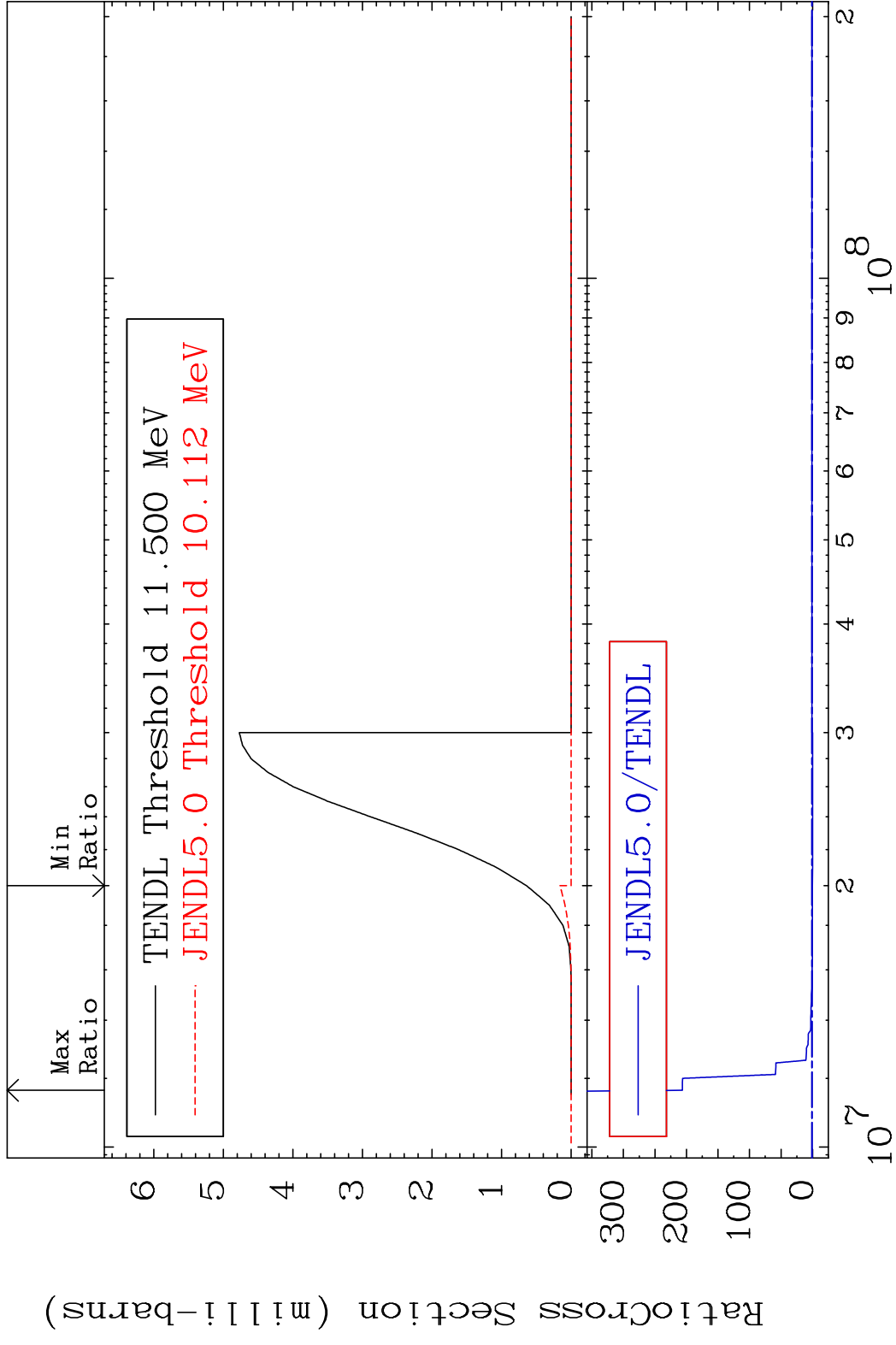


MAT 5037 (n,d):49-In-115m1 50-Sn-116
 Radionuclide Production Cross Section 100.00 dth 9999. %





MAT 5037 (n, t):49-In-114m1 50-Sn-116
 Radionuclide Production Cross Section to 9999. %



65 50-Sn-116