

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

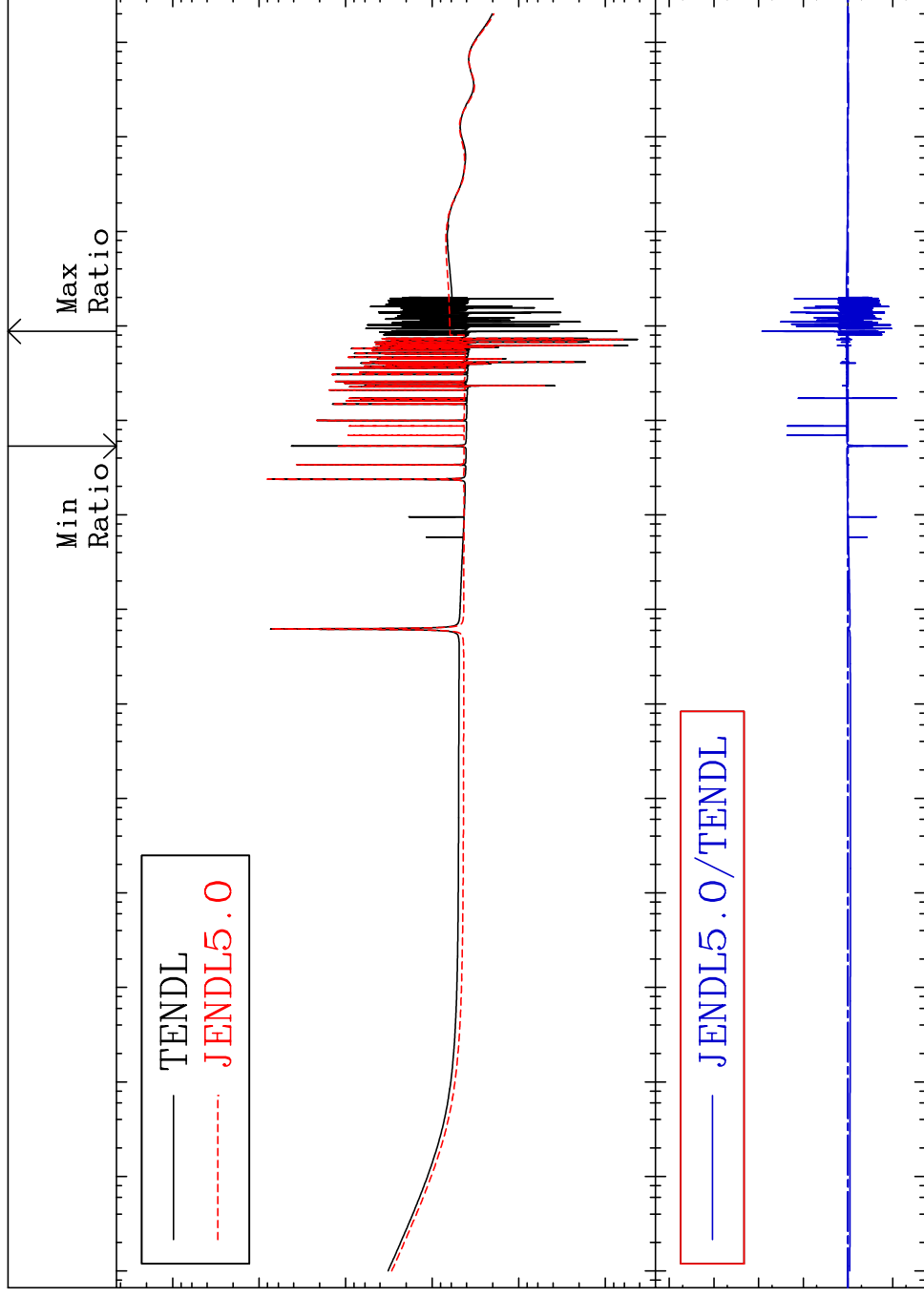
MAT 5061

Total

50-Sn-124

Cross Section

-95.28 To 8364. %



10⁴
10³
10²
10¹
10⁰
10⁻¹

Ratio
10²
10⁰

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

1

Incident Energy (eV)

50-Sn-124

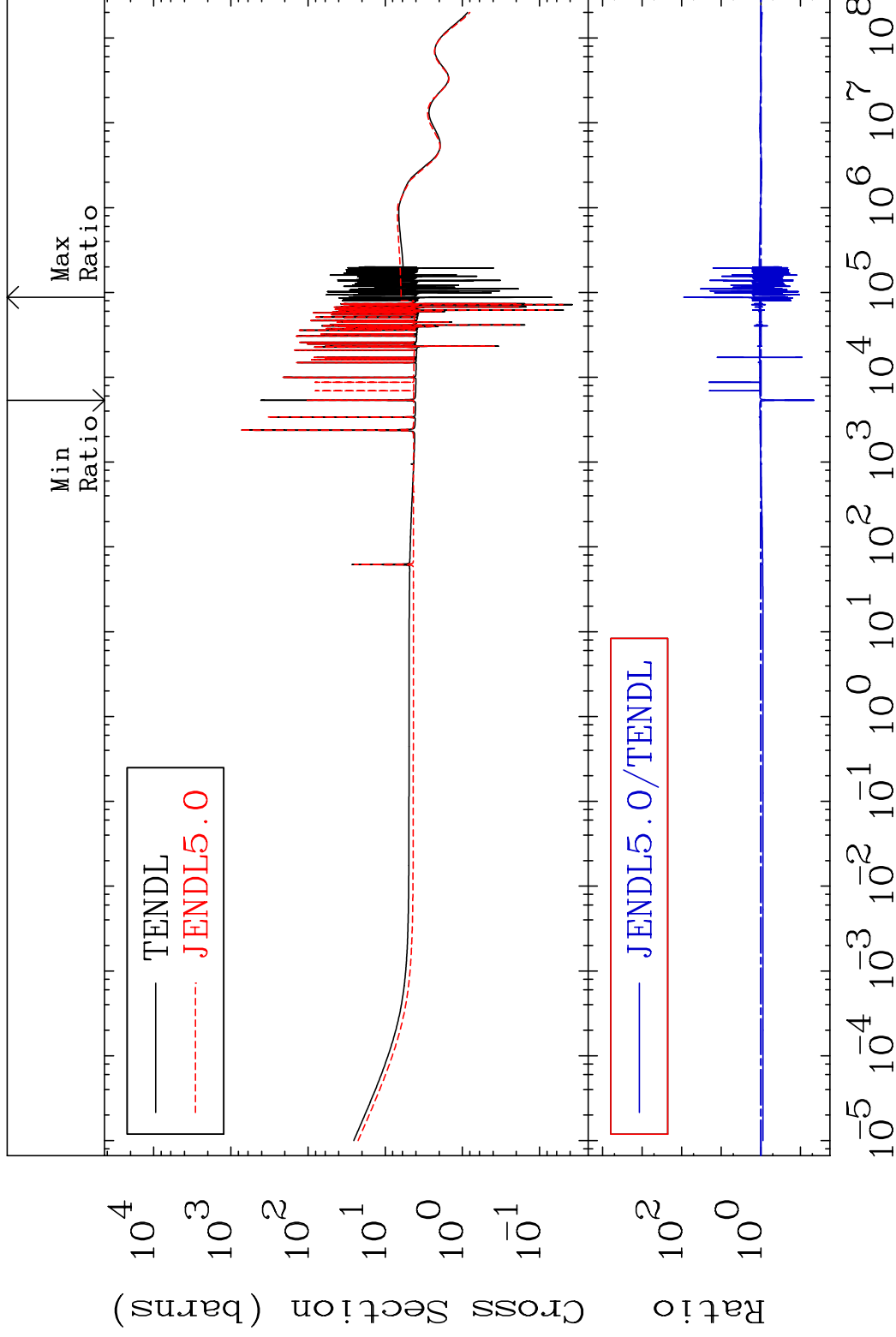
MAT 5061

Elastic

50-Sn-124

Cross Section

-95.49 To 8811. %



2

Incident Energy (eV)

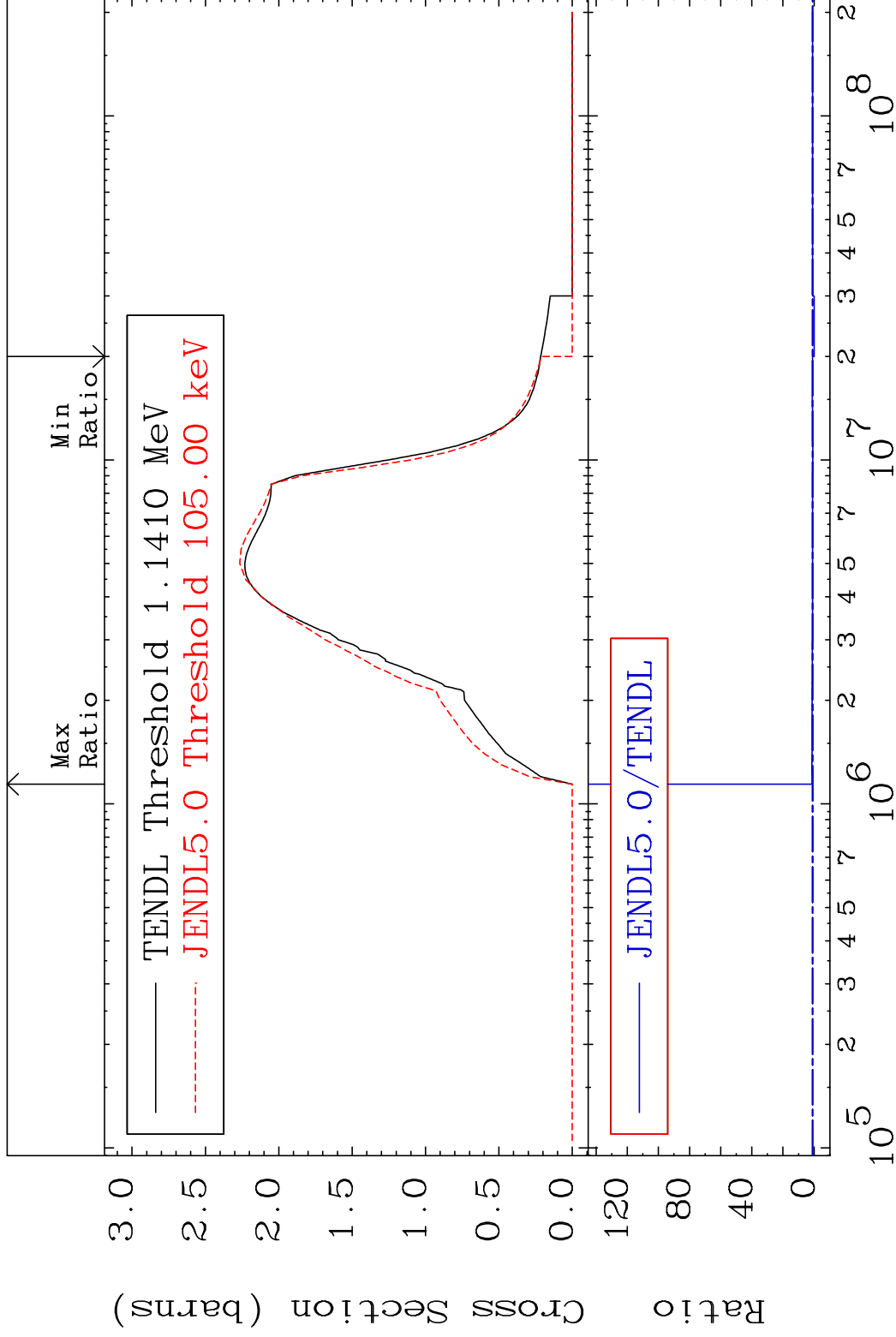
50-Sn-124

MAT 5061

Inelastic

50-Sn-124

Cross Section -100.0 To 8278. %

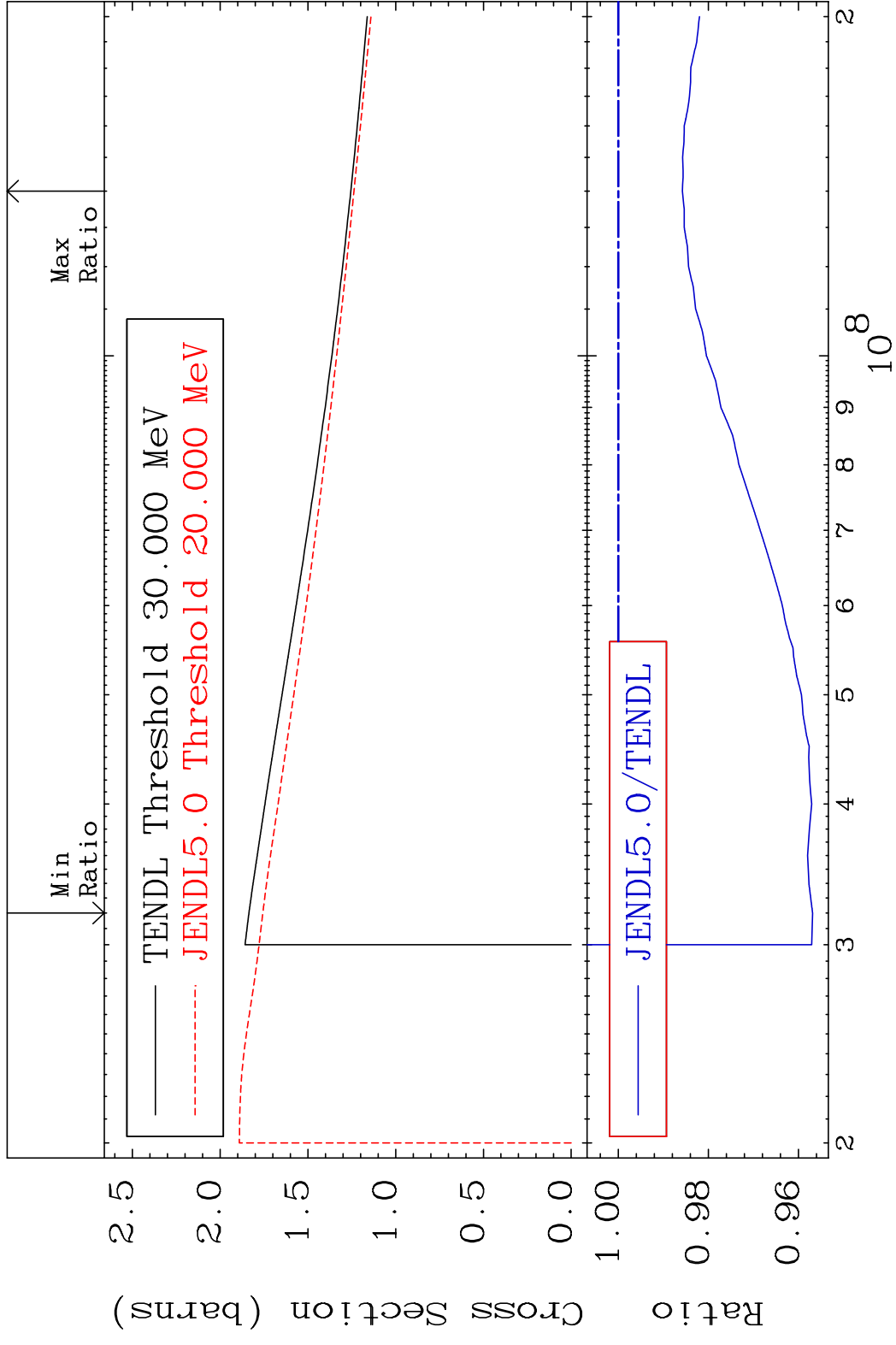


3

Incident Energy (eV)

50-Sn-124

MAT 5061 (n, remainder) 50-Sn-124
 Cross Section -4.314 To -1.422%



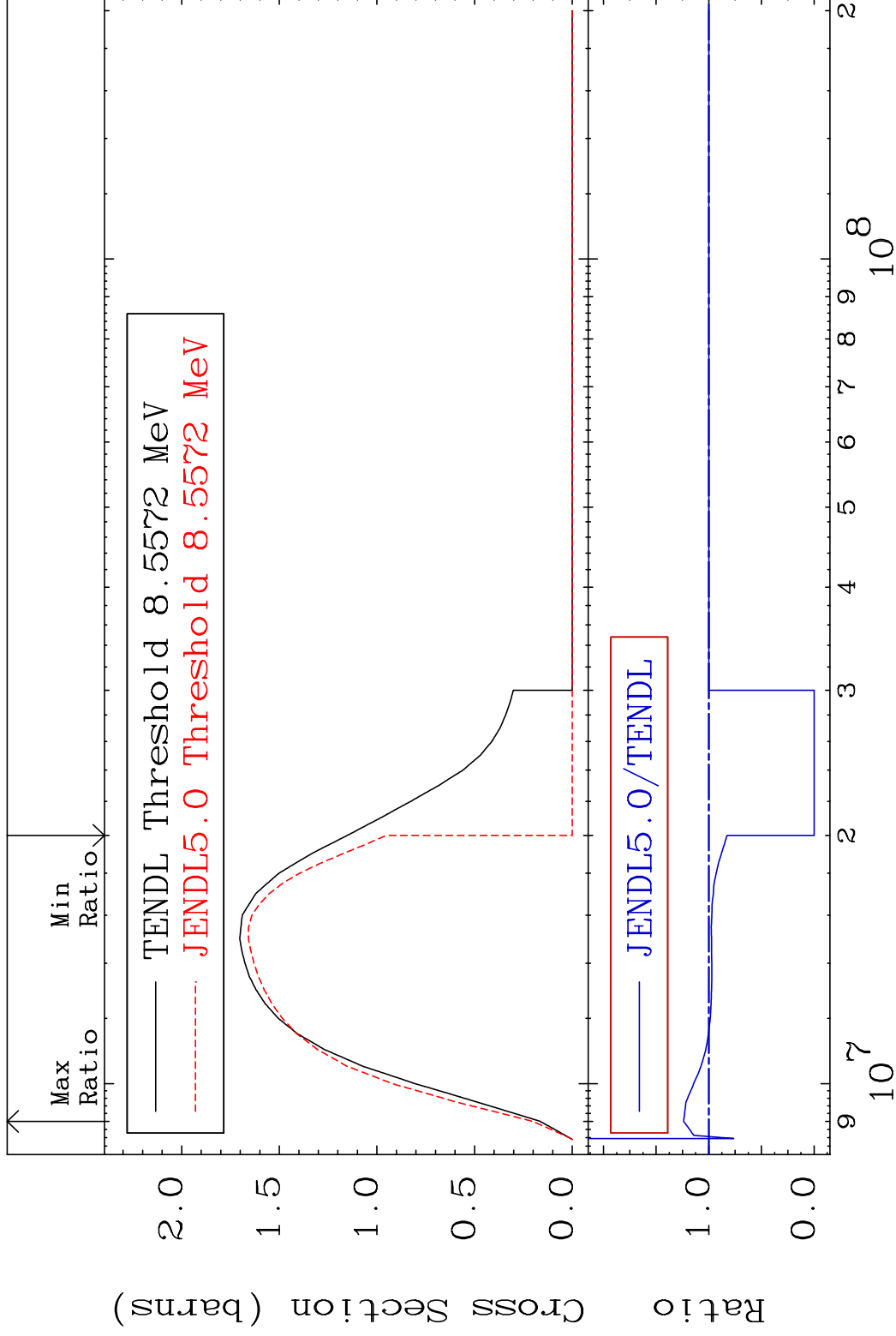
4 Incident Energy (eV) 50-Sn-124

MAT 5061

(n,2n)

50-Sn-124

Cross Section -100.0 To 23.86 %



5

Incident Energy (eV)

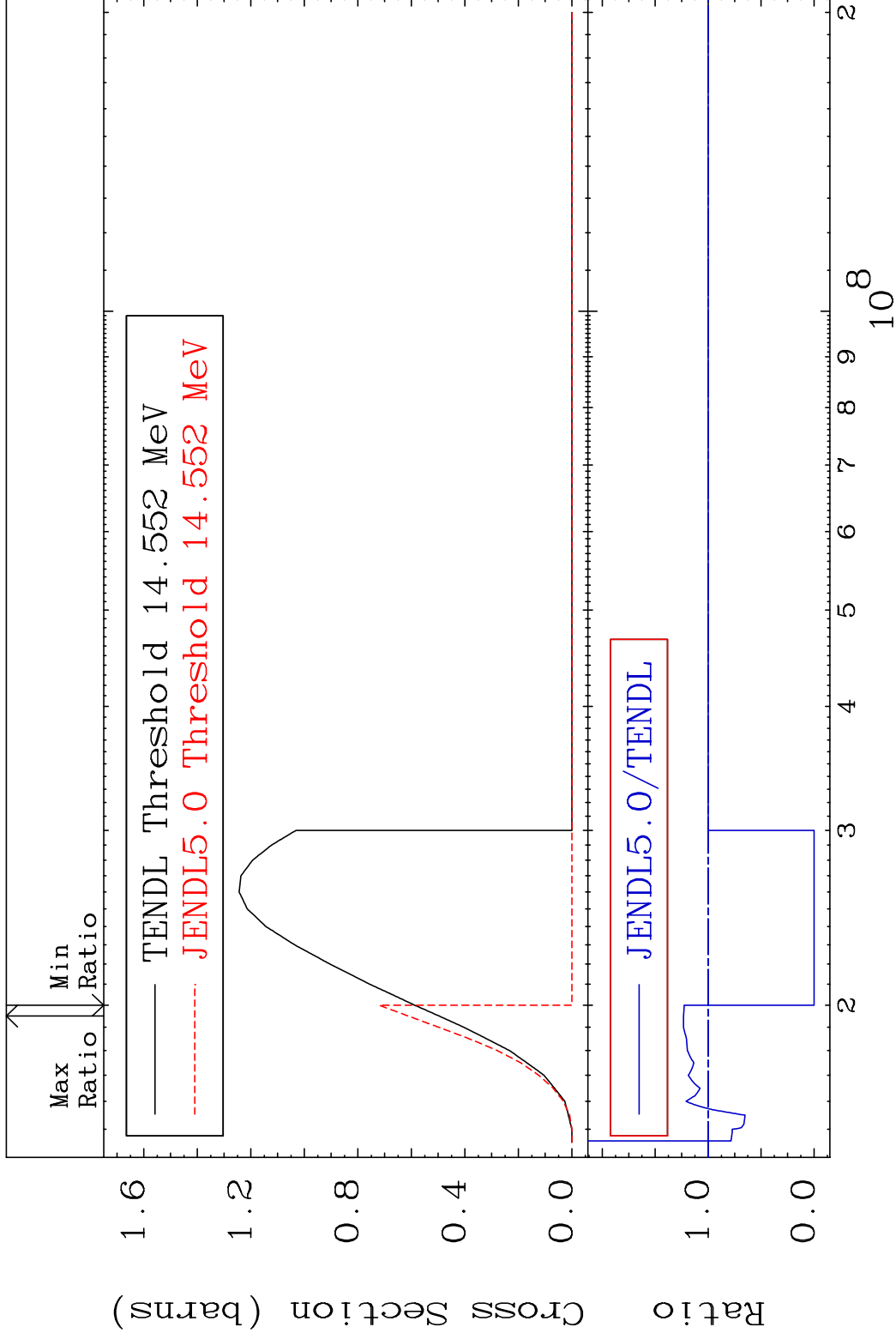
50-Sn-124

MAT 5061

(n,3n)

50-Sn-124

Cross Section -100.0 To 23.31 %

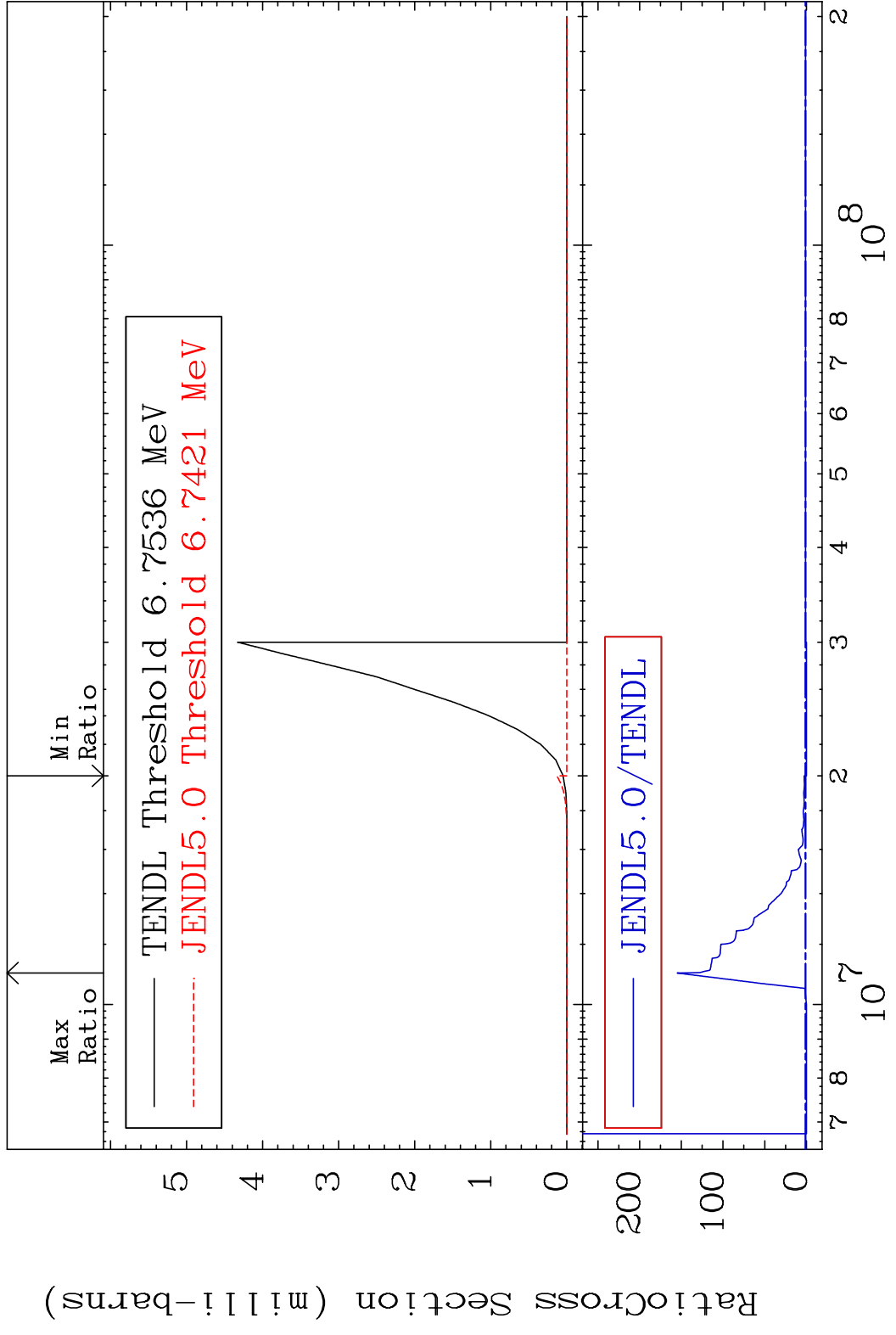


6

Incident Energy (eV)

50-Sn-124

MAT 5061 (n, n') α 50-Sn-124
 Cross Section -100.0 To 9999. %



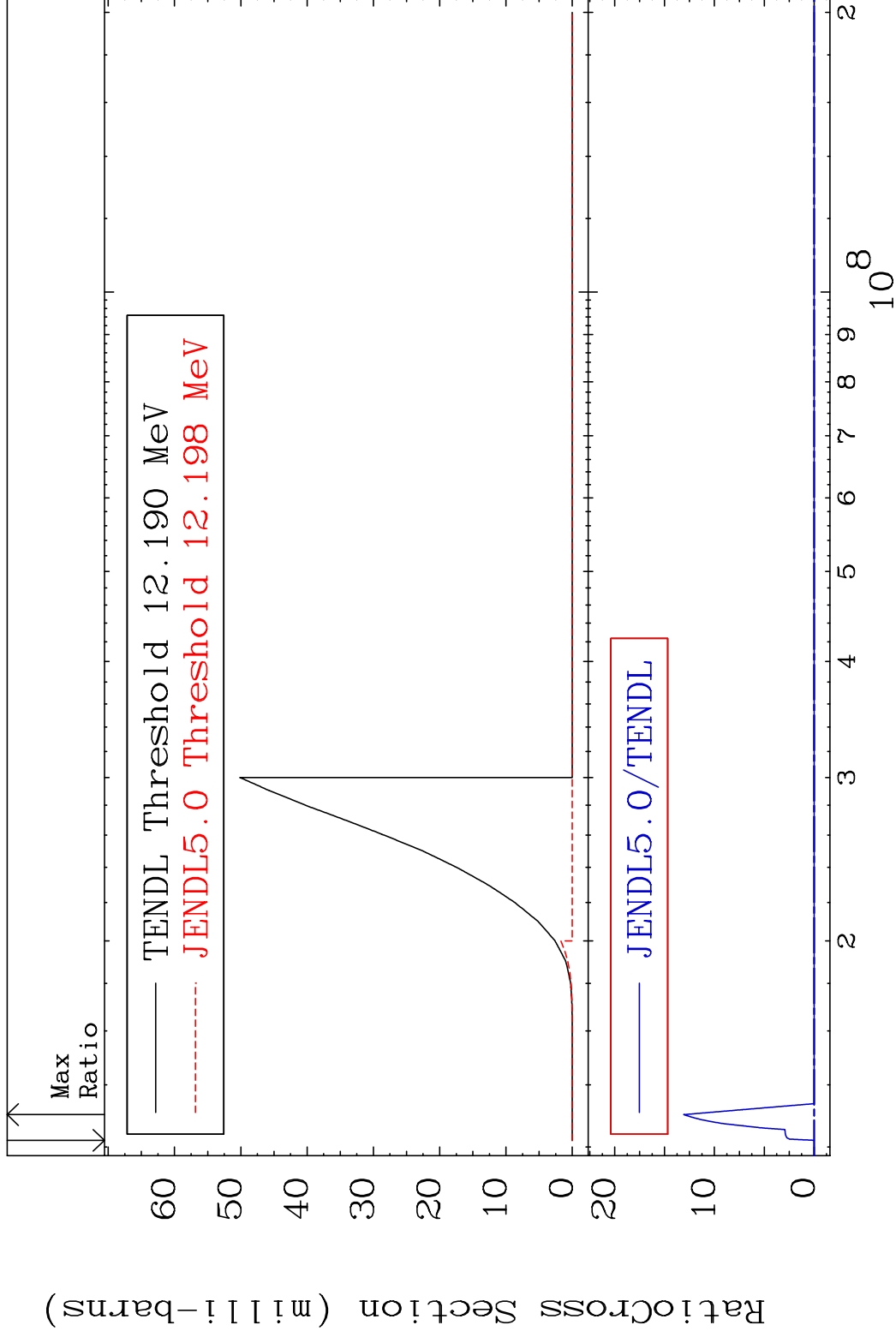
7 8 7 8 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

MAT 5061

(n, n') p

50-Sn-124

Cross Section -100.0 To 9999. %

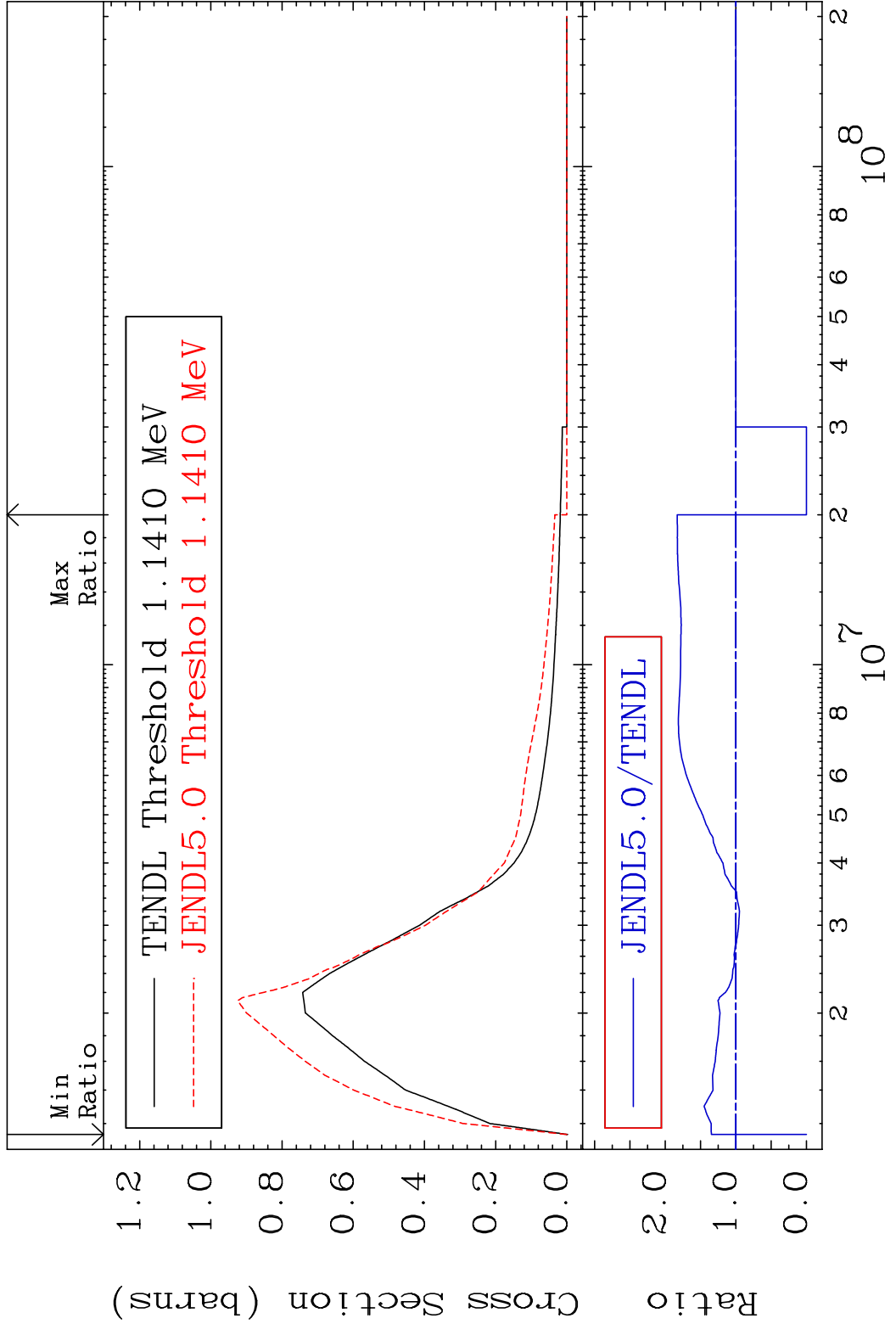


8

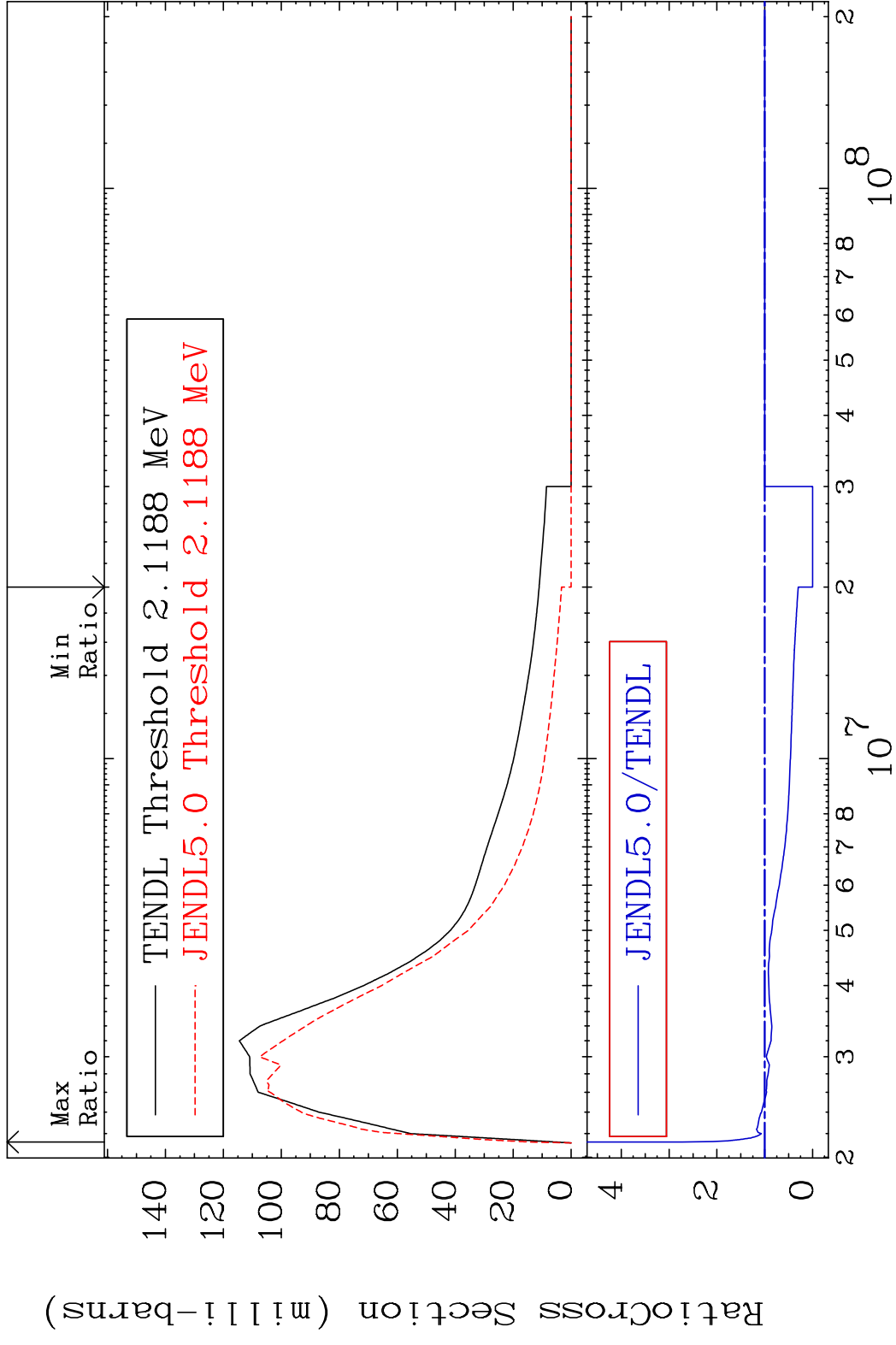
Incident Energy (eV)

50-Sn-124

MAT 5061 MT= 51 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 83.11 %

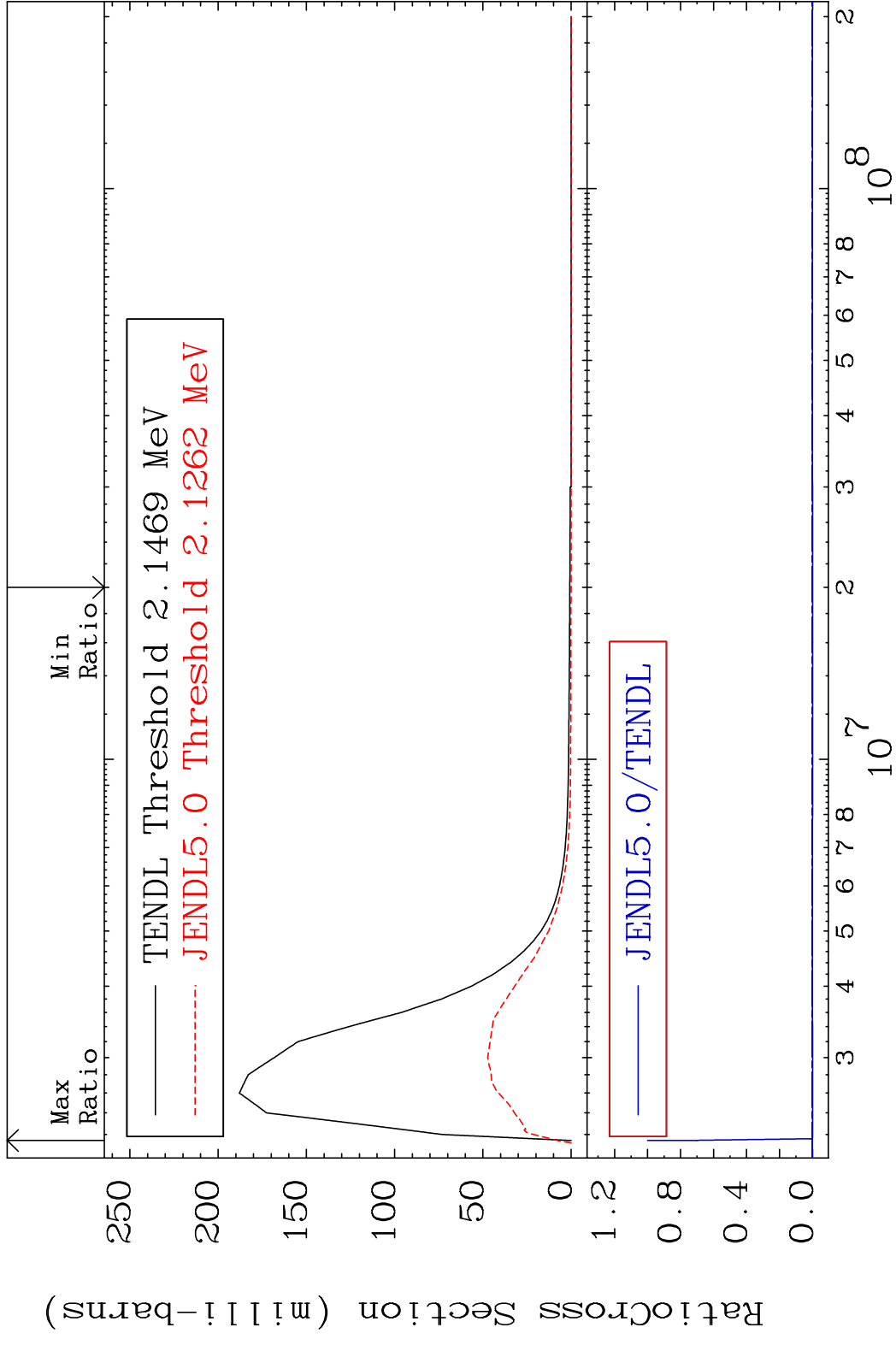


MAT 5061 MT= 52 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 172.3 %

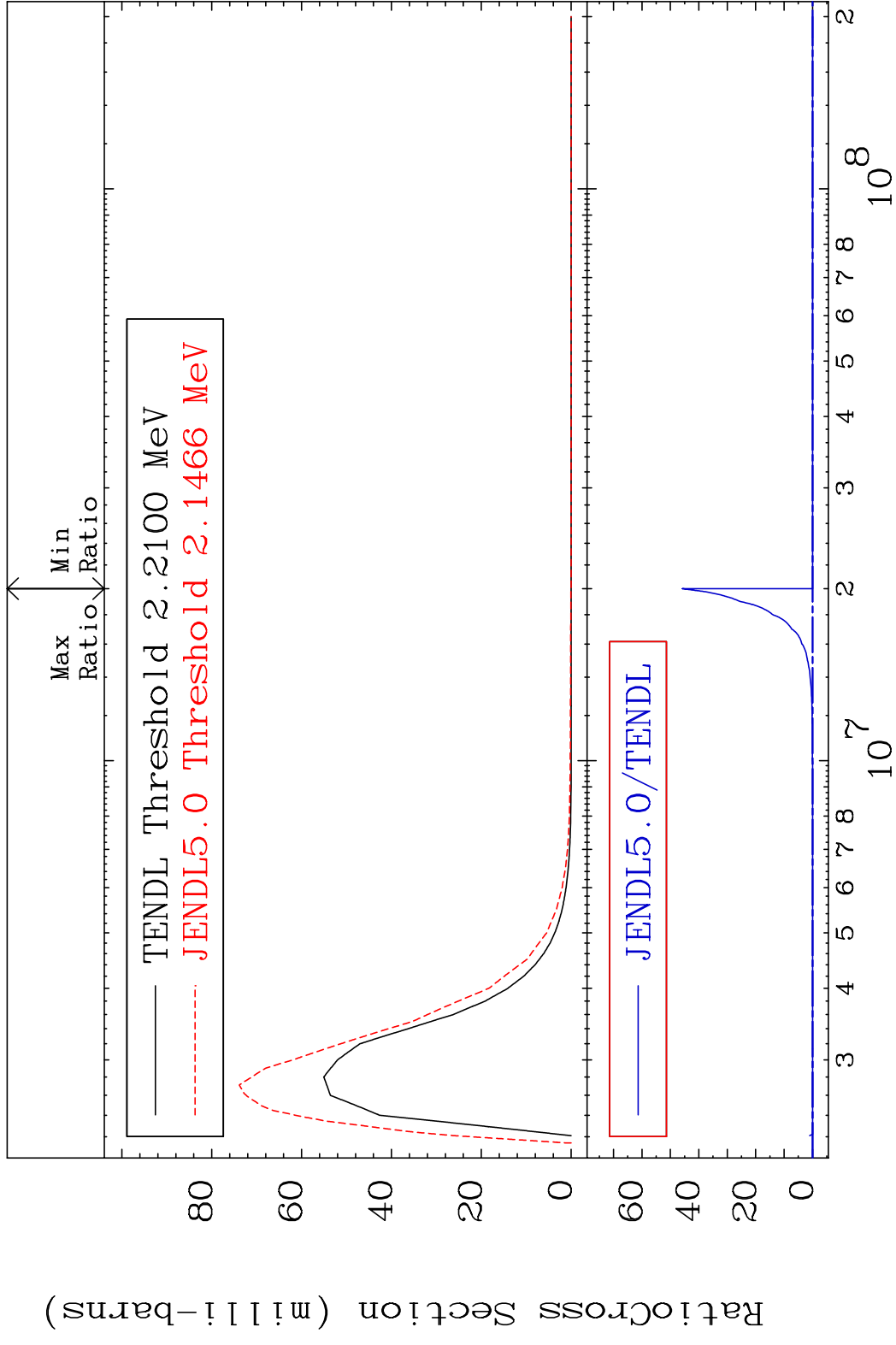


10 100 50-Sn-124

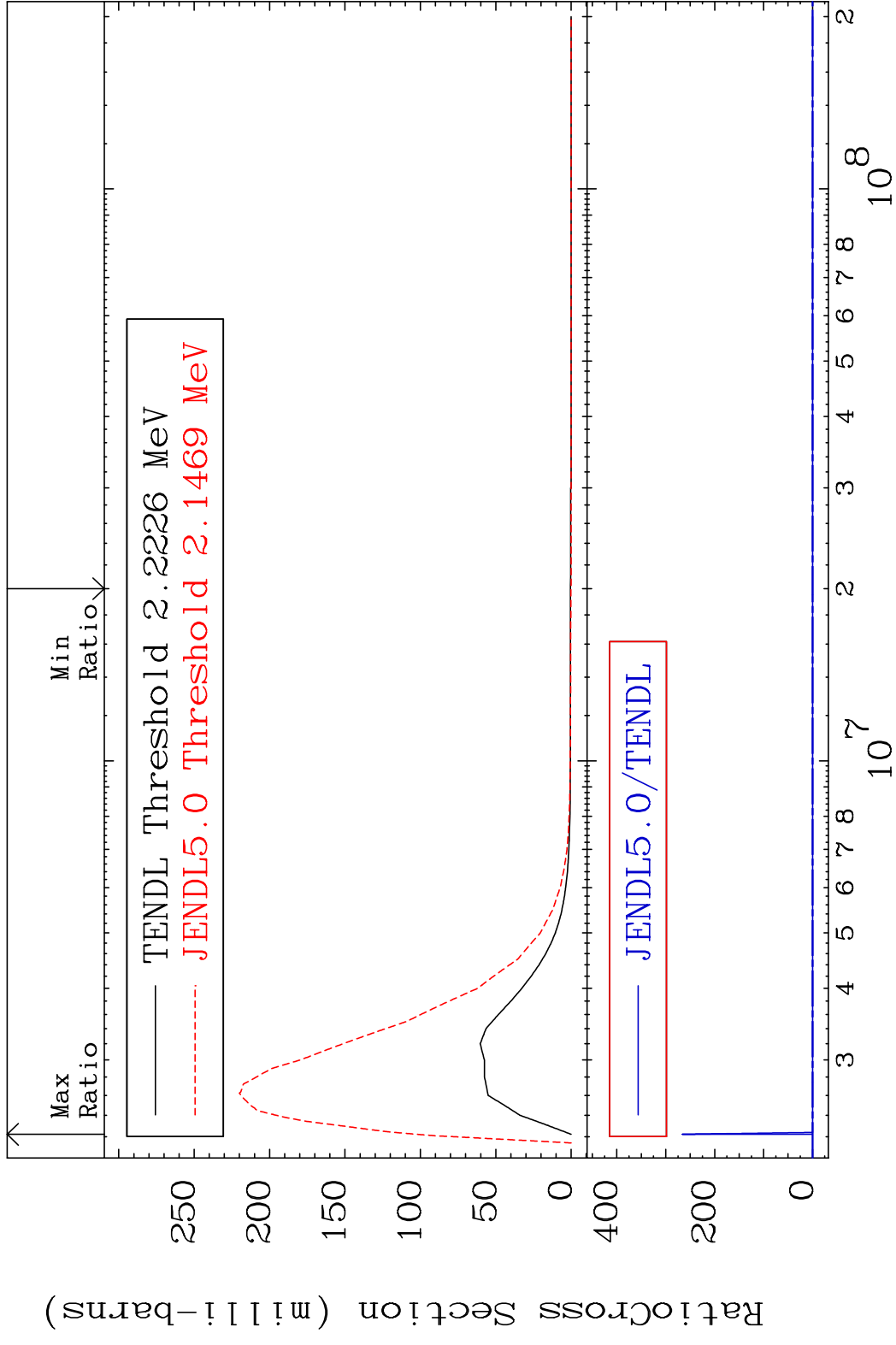
MAT 5061 MT= 53 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



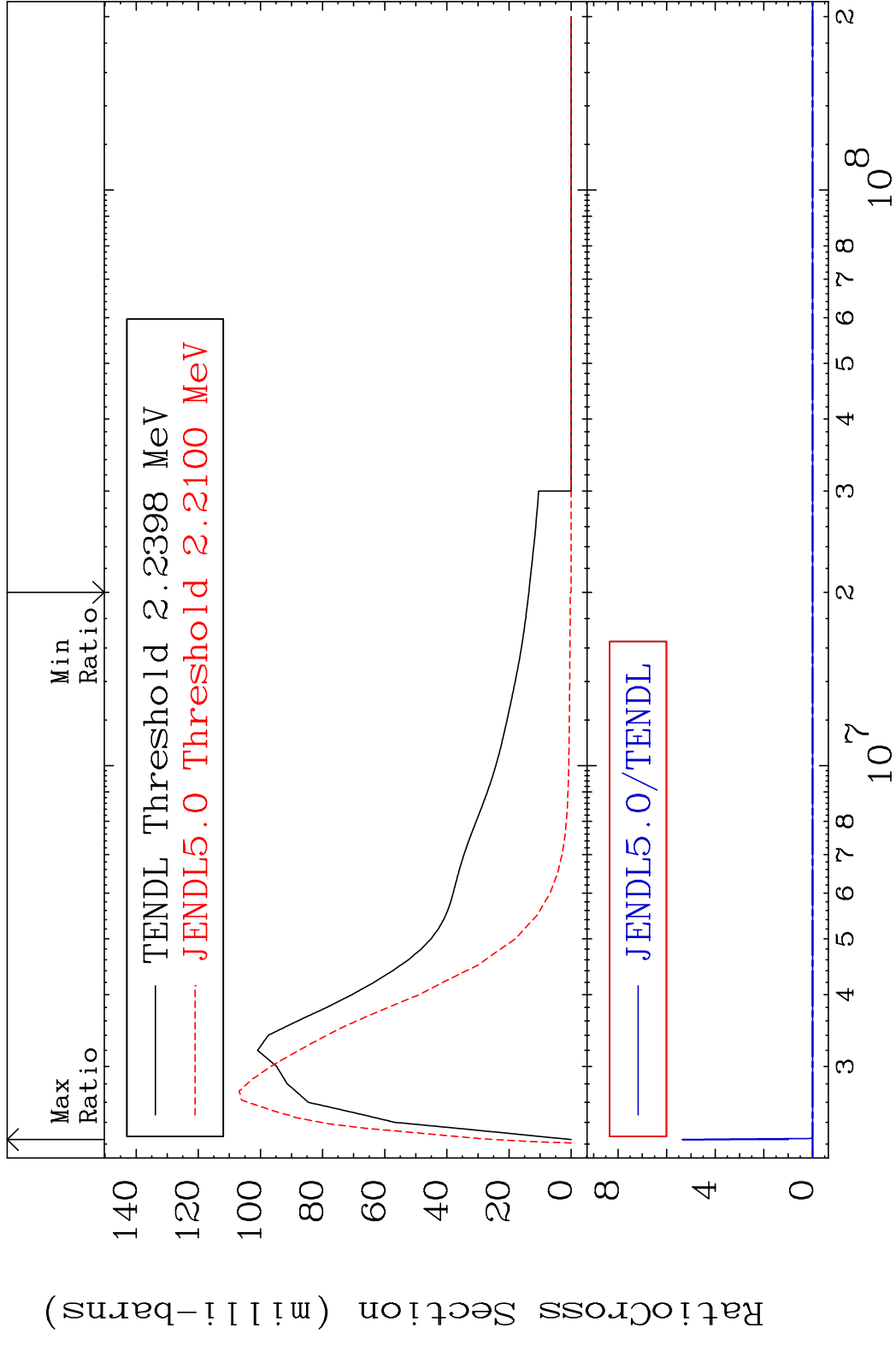
MAT 5061 MT= 54 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



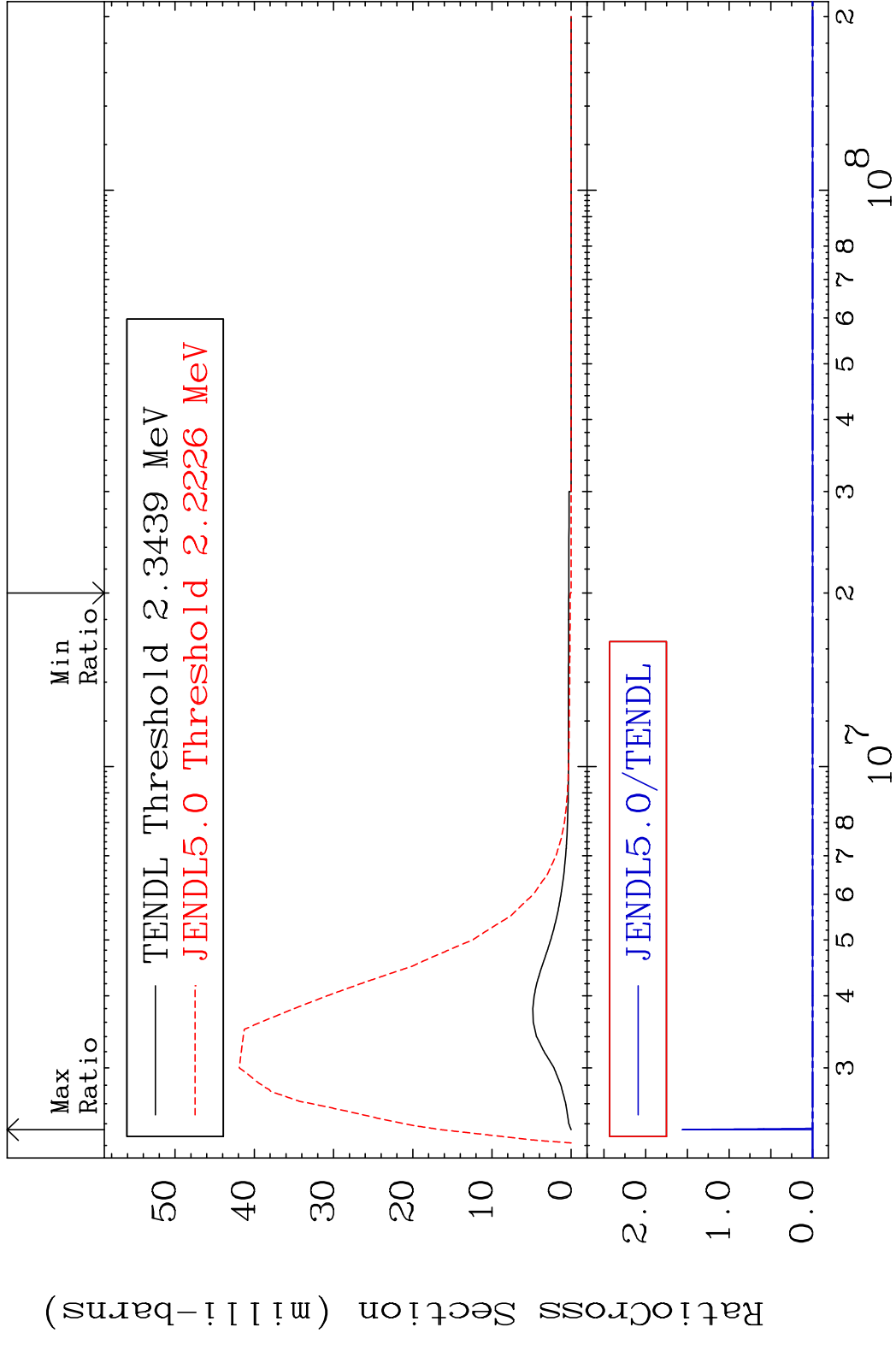
MAT 5061 MT= 55 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



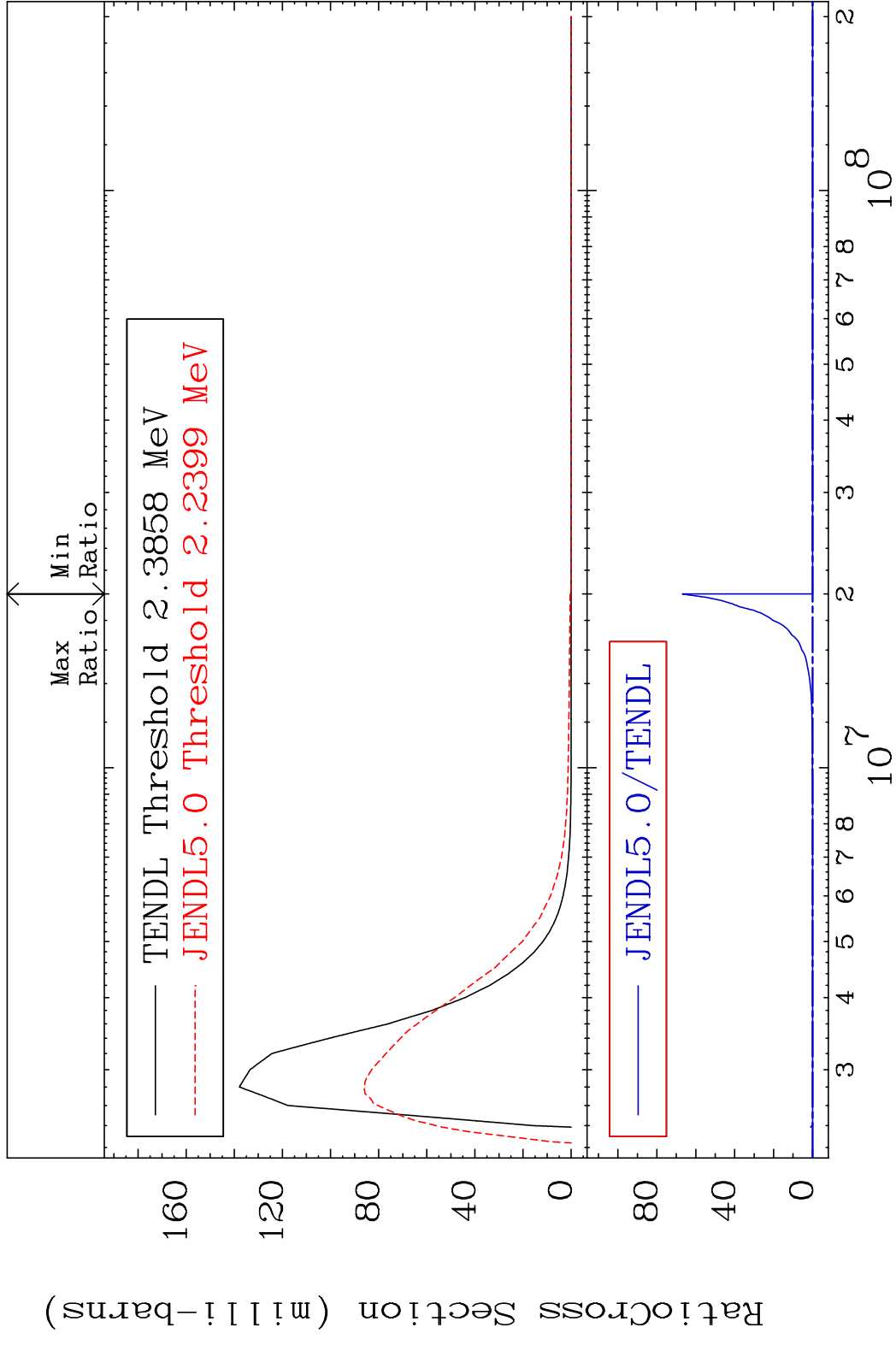
MAT 5061 MT= 56 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



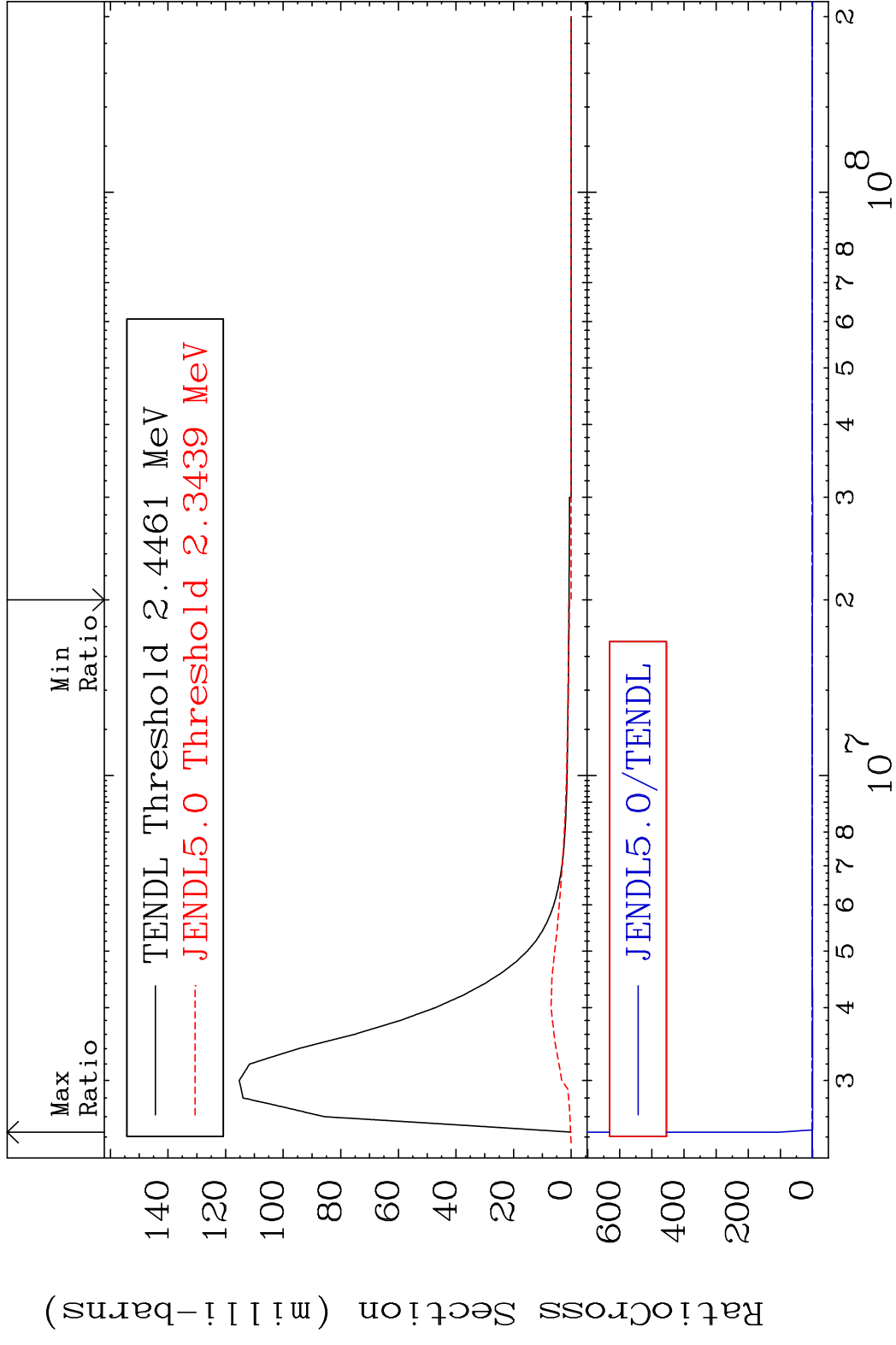
MAT 5061 MT= 57 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



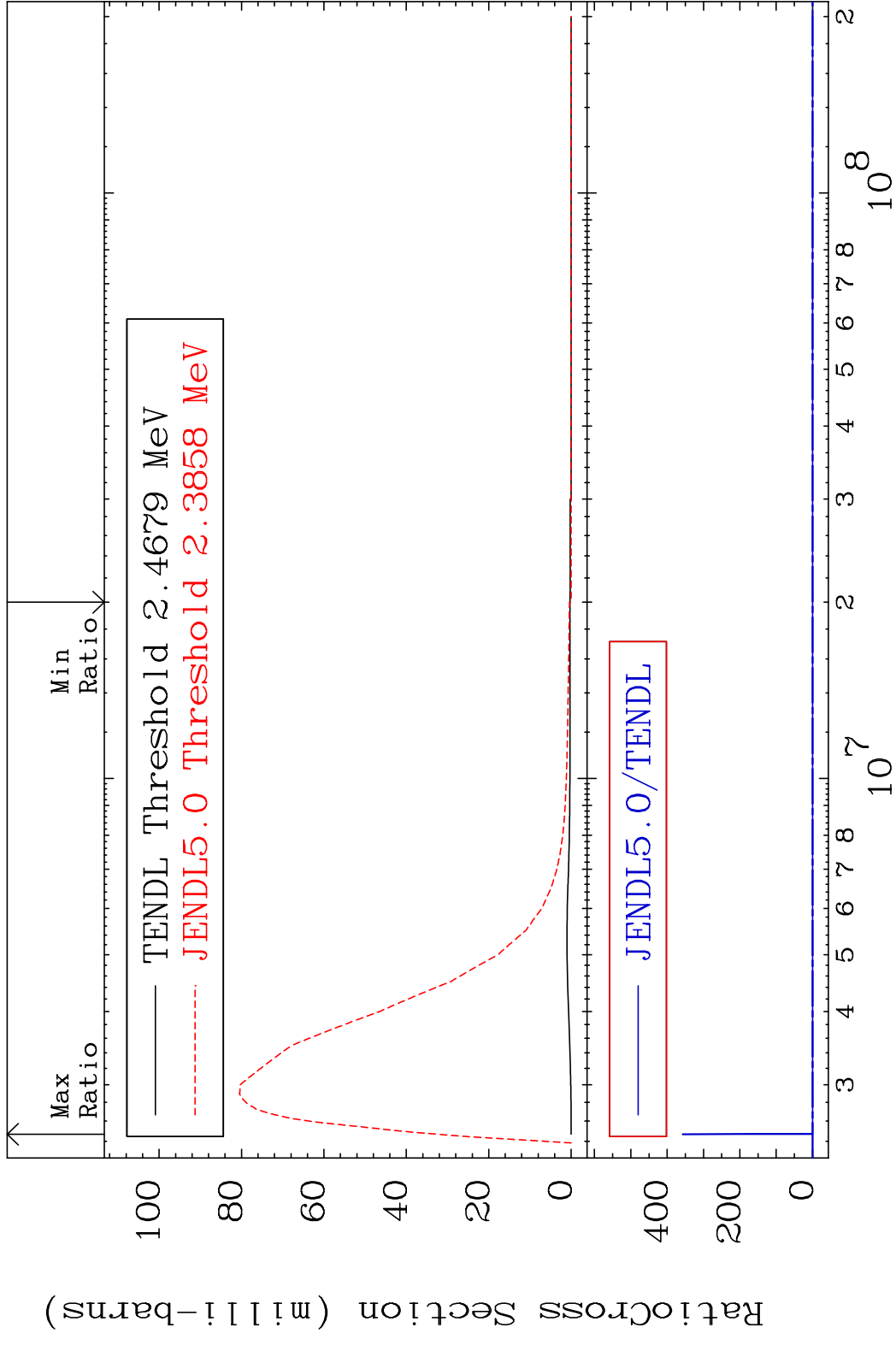
MAT 5061 MT= 58 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



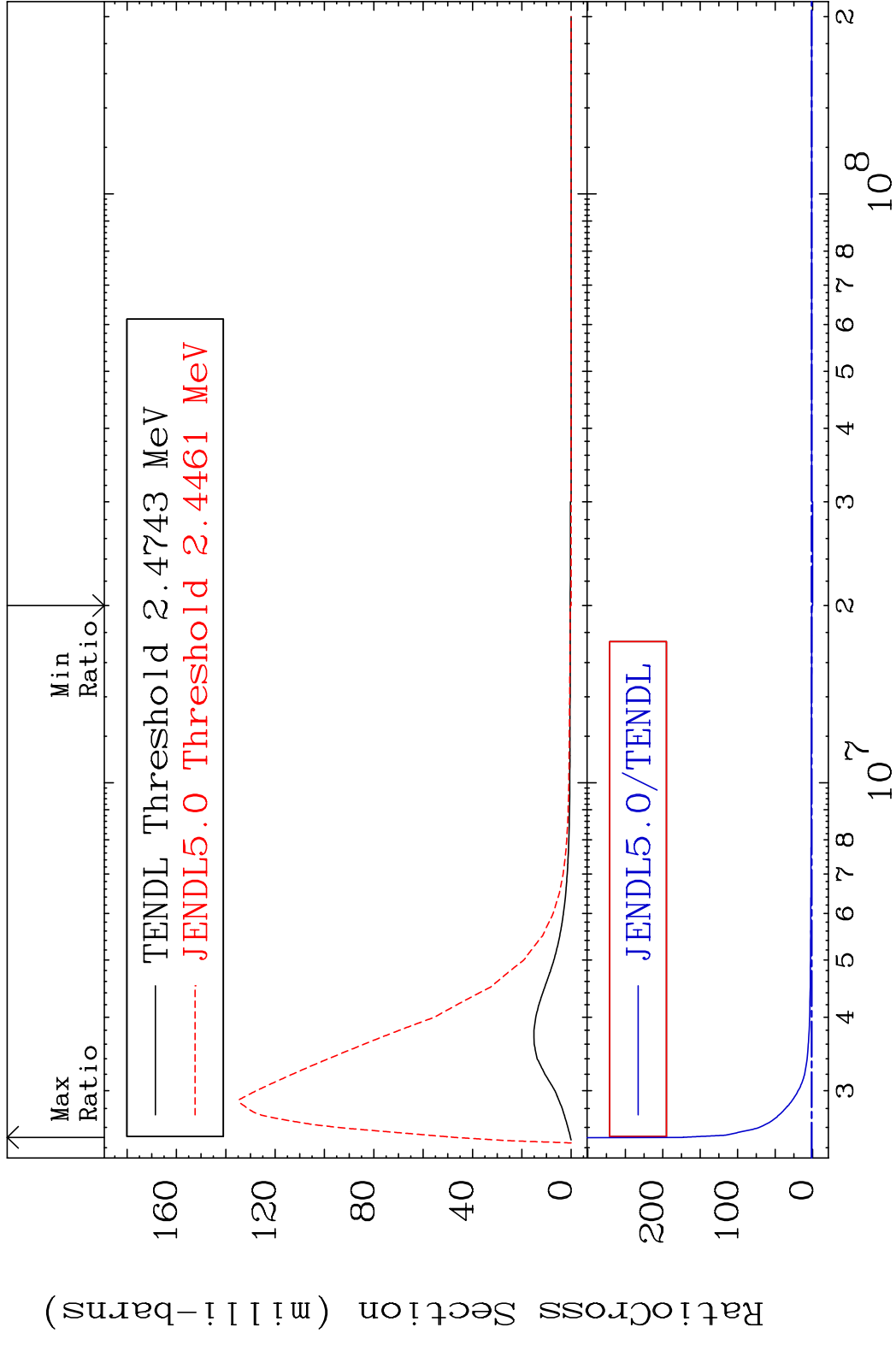
MAT 5061 MT= 59 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 60 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

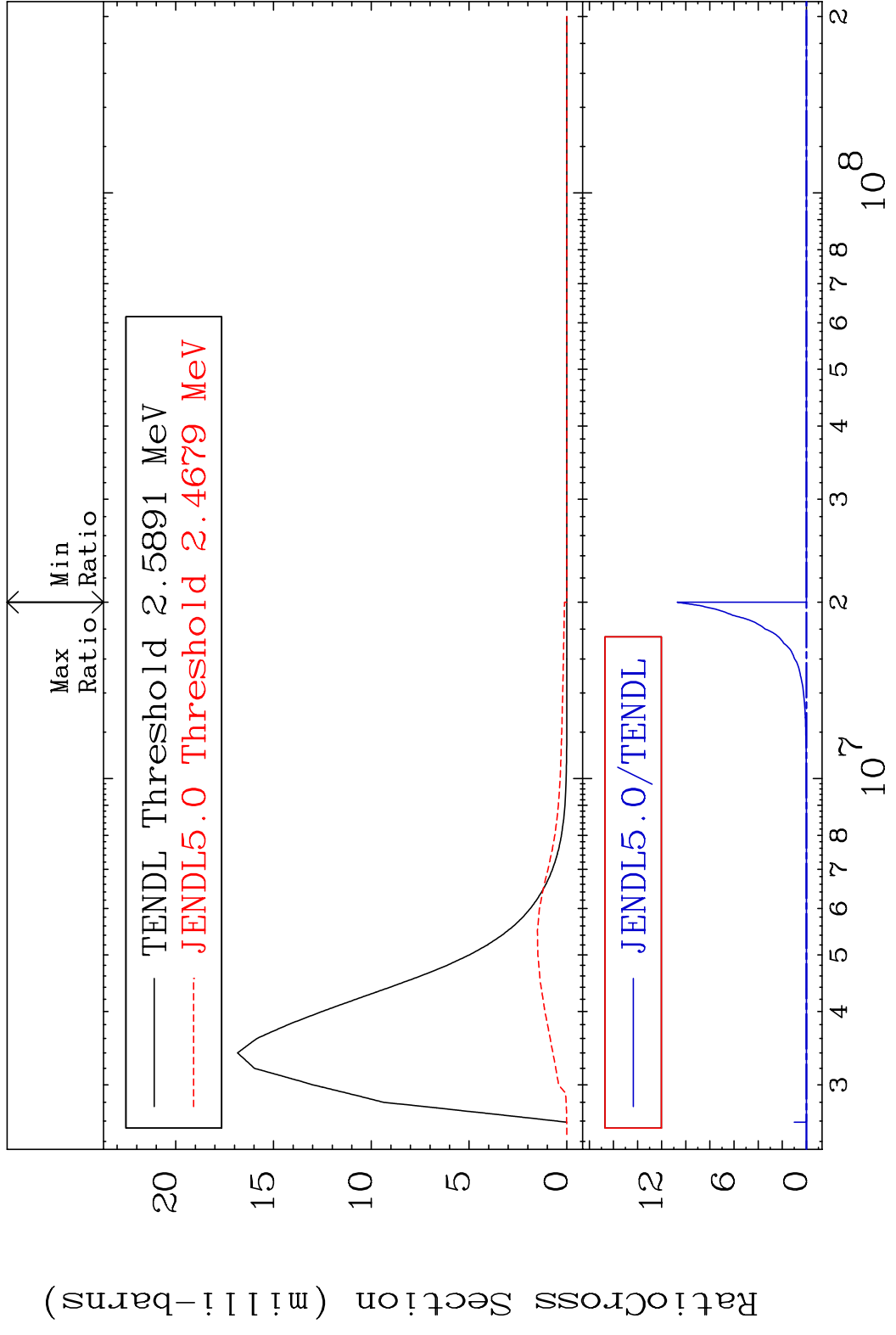


MAT 5061 MT= 61 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

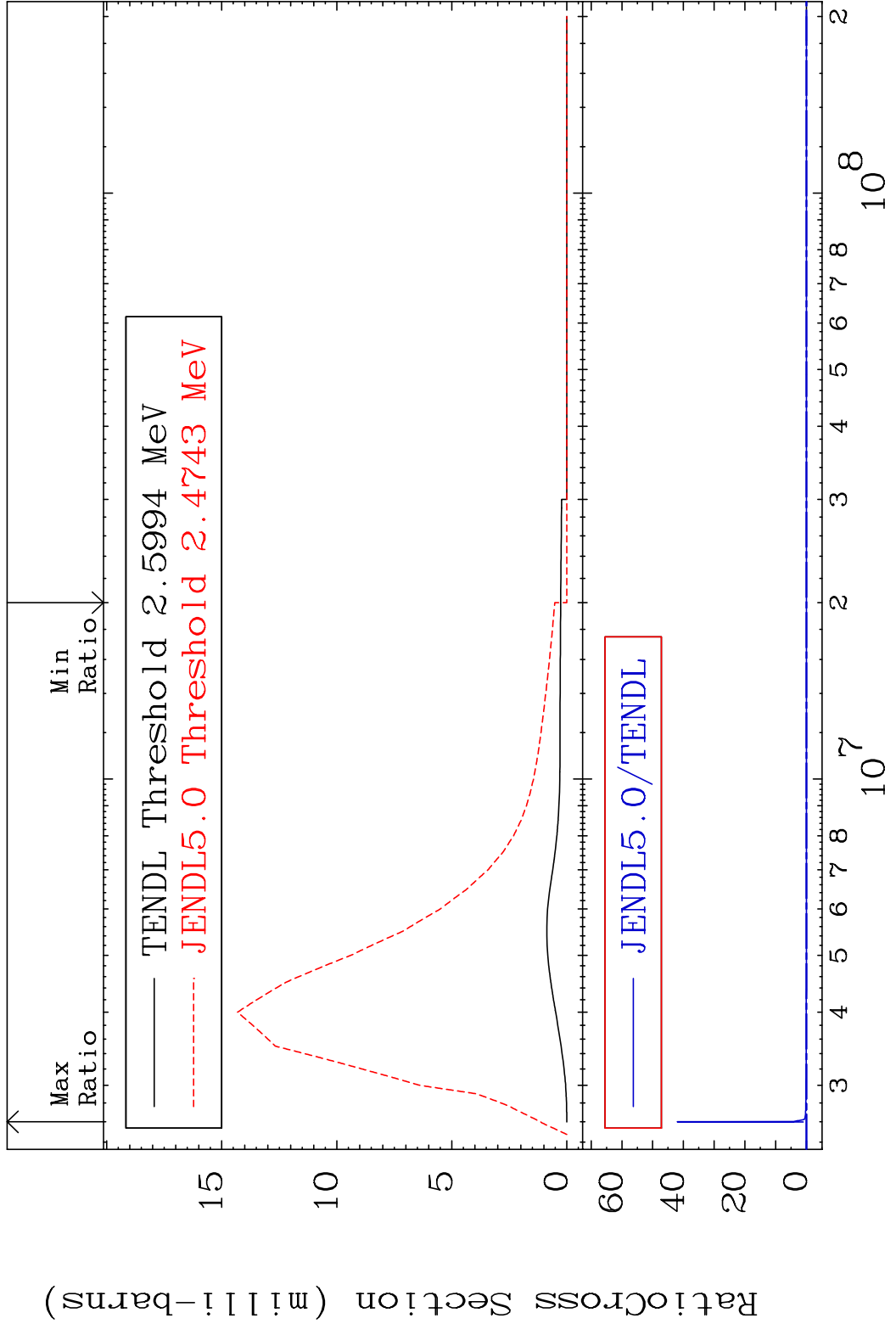


19 Incident Energy (eV) 50-Sn-124

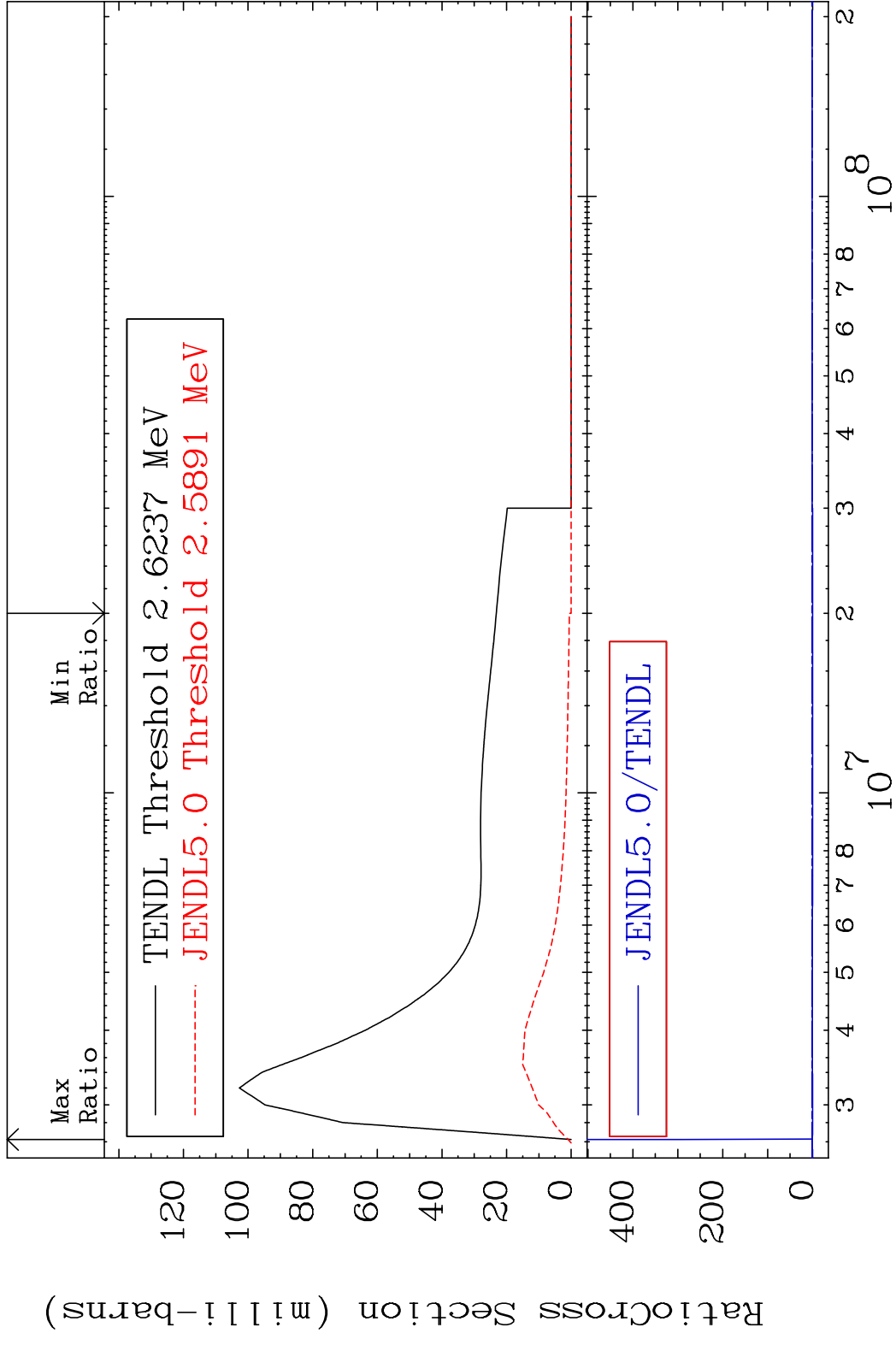
MAT 5061 MT= 62 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



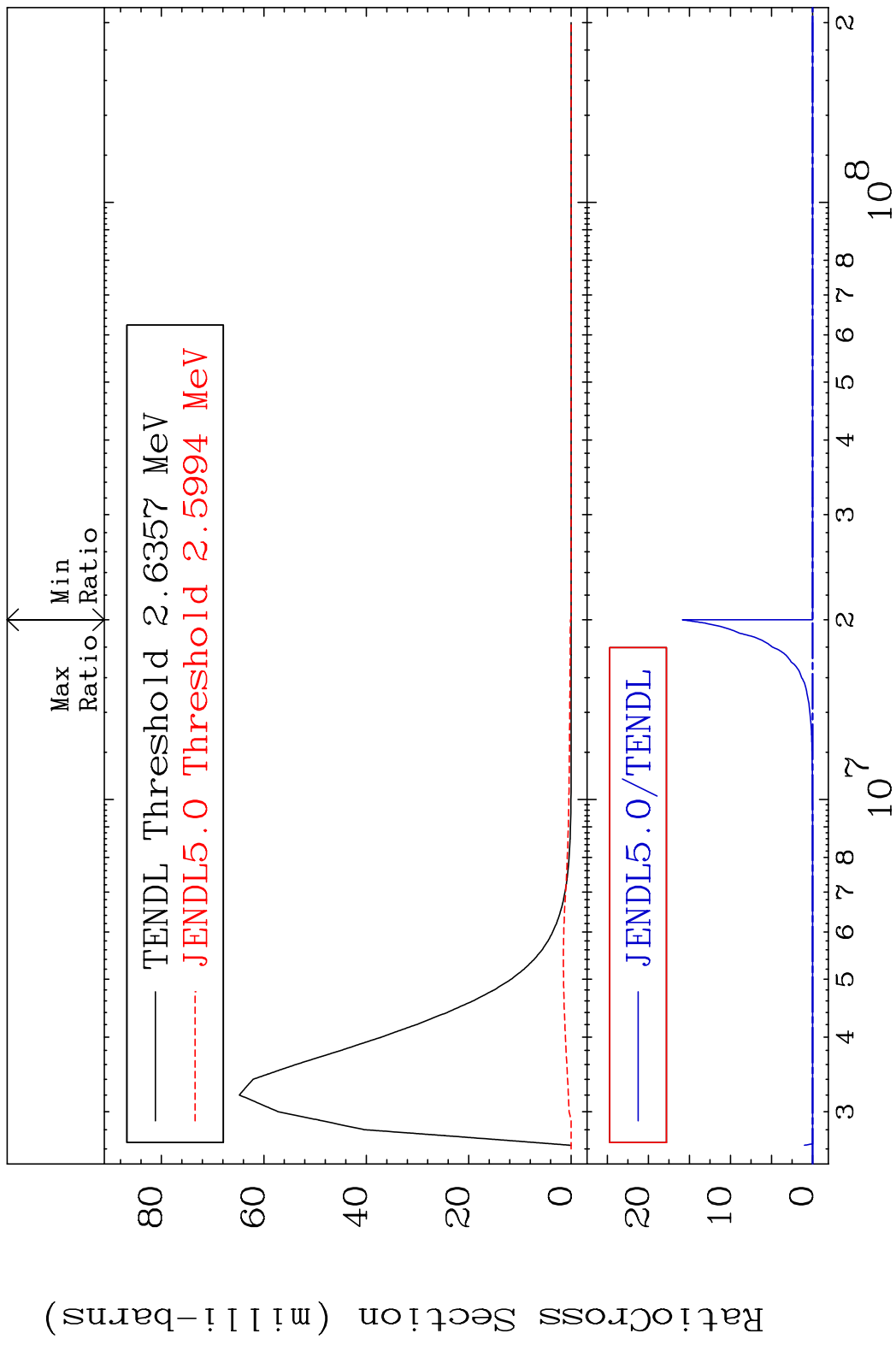
MAT 5061 MT= 63 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 64 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

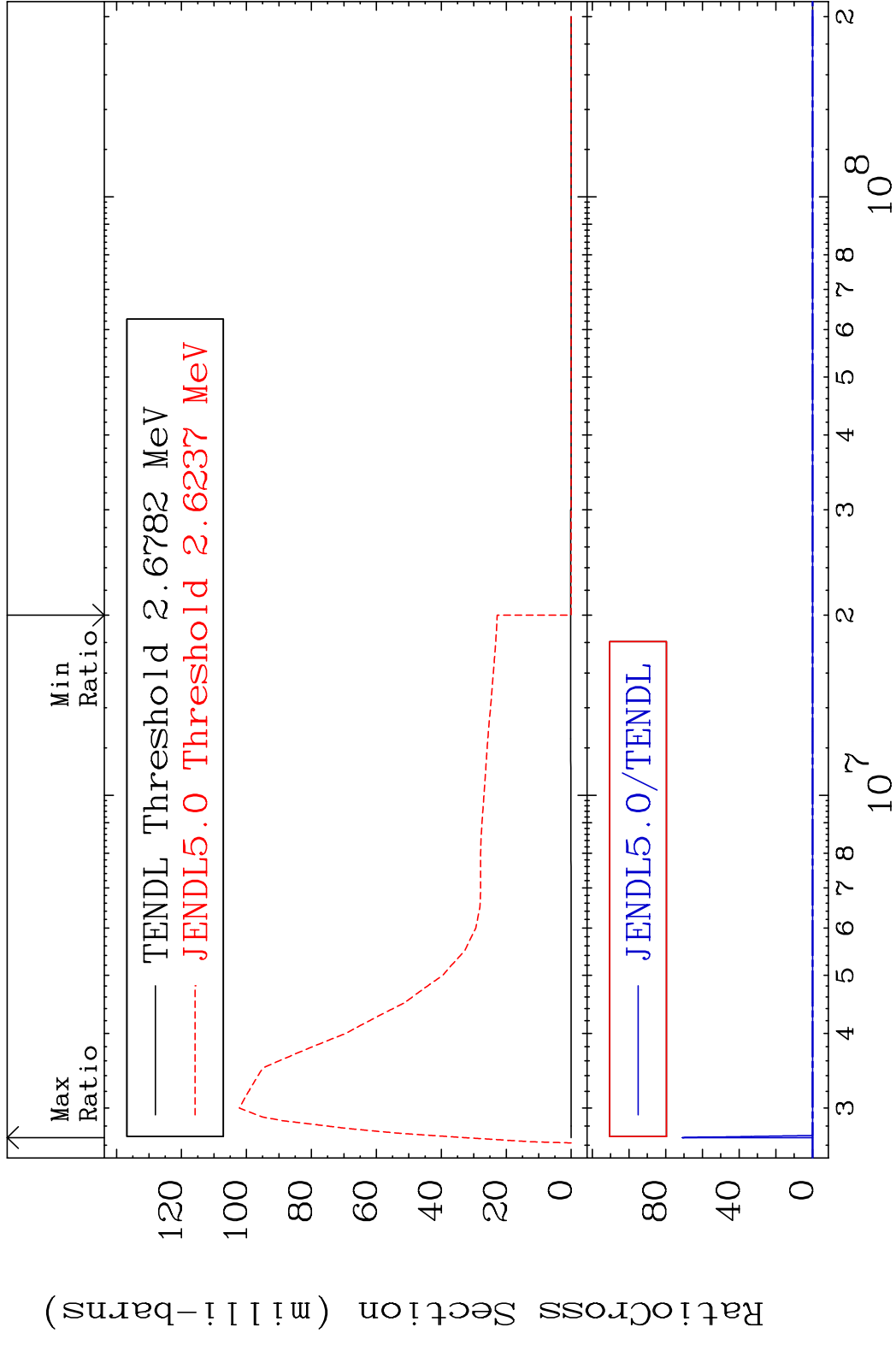


MAT 5061 MT= 65 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

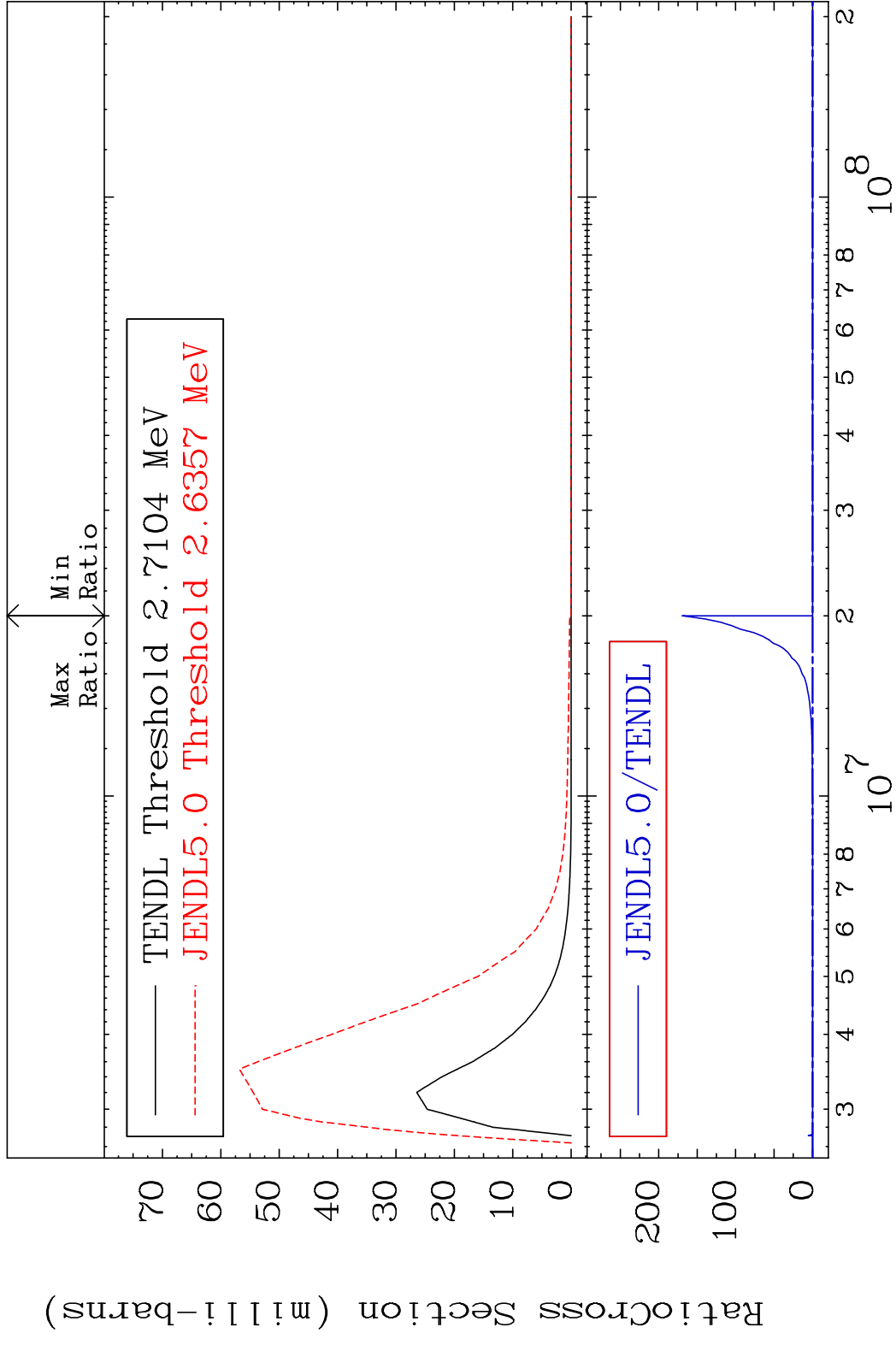


23 Incident Energy (eV) 50-Sn-124

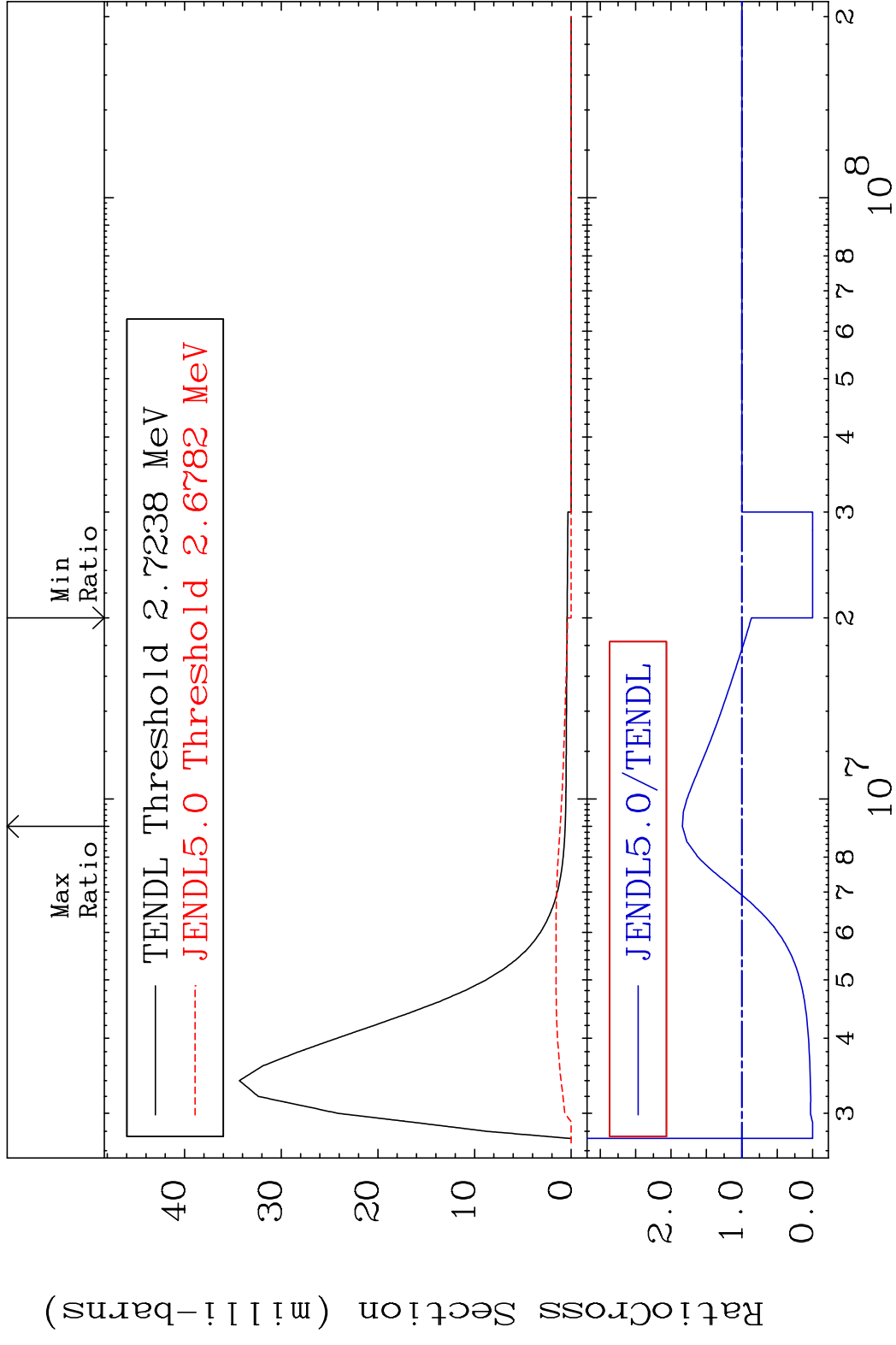
MAT 5061 MT= 66 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



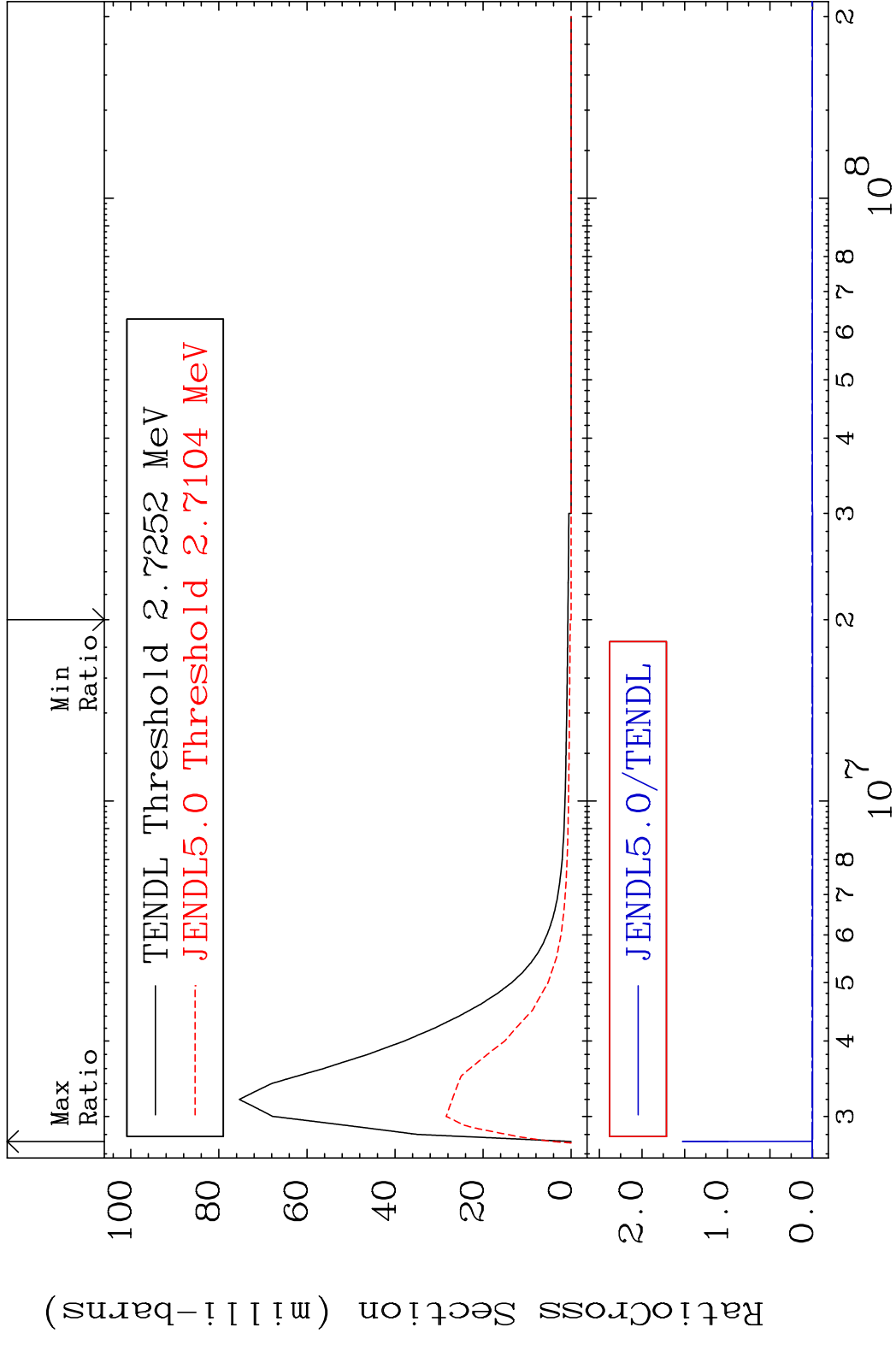
MAT 5061 MT= 67 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



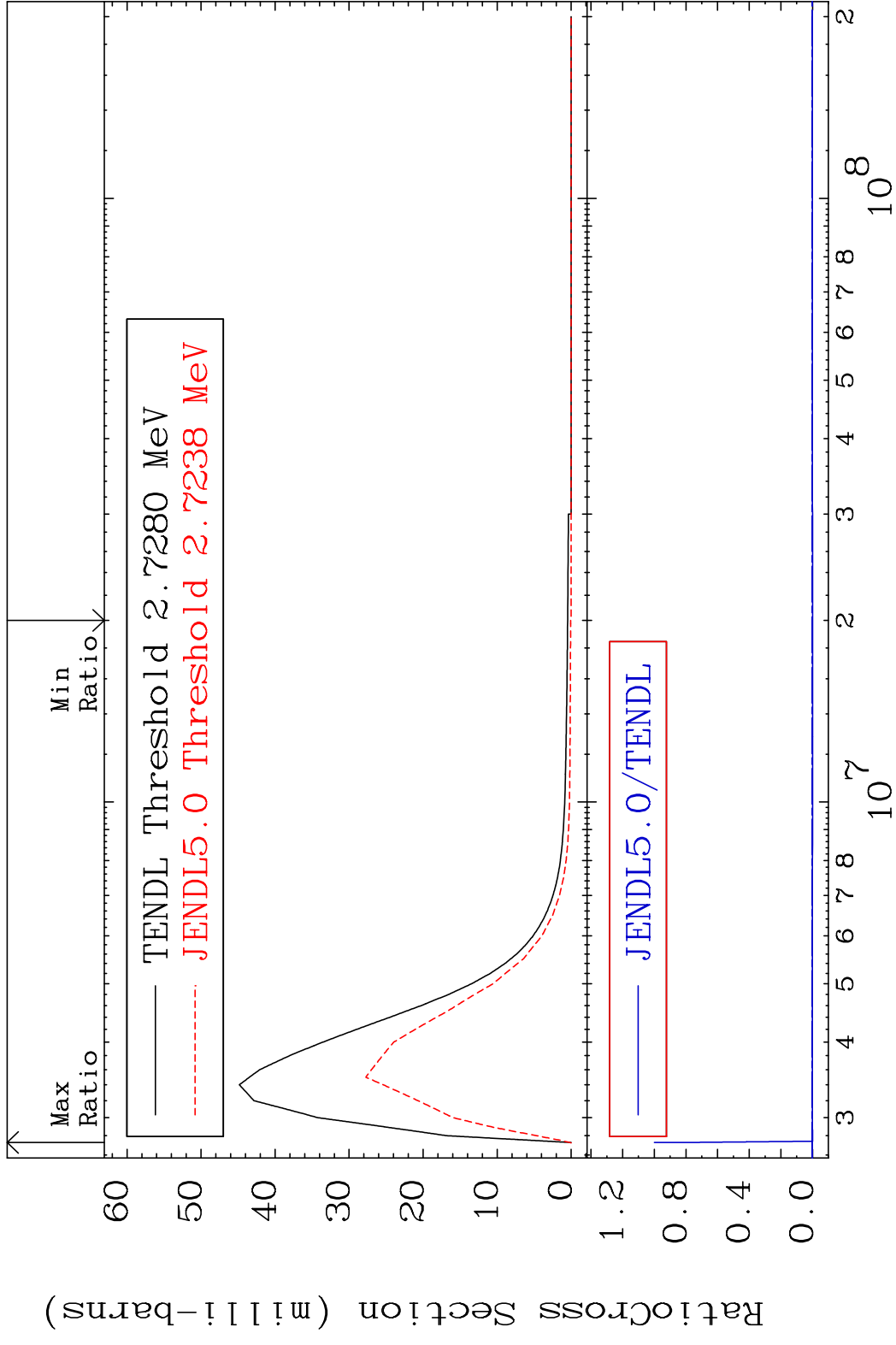
MAT 5061 MT= 68 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 84.02 %



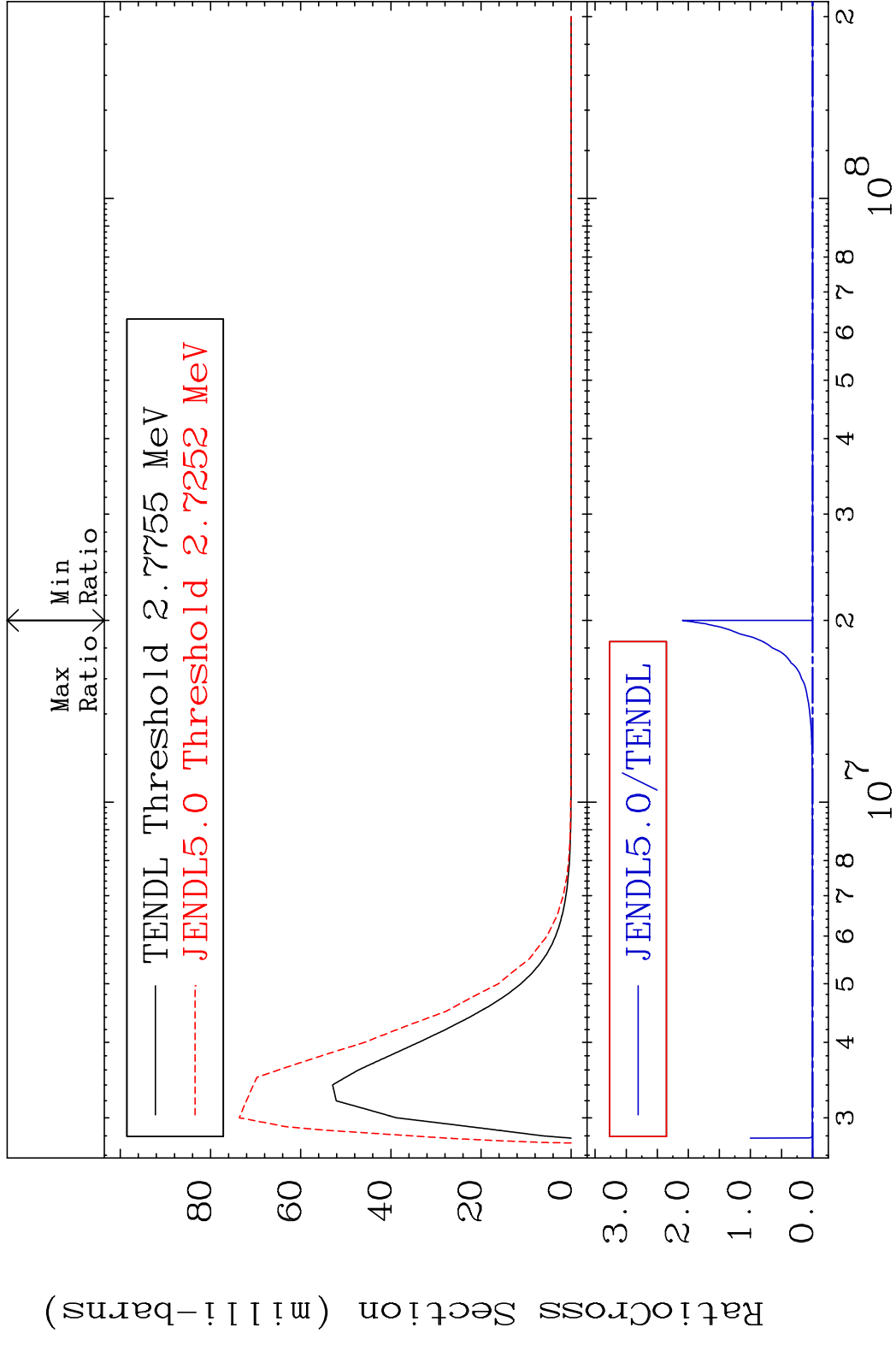
MAT 5061 MT= 69 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



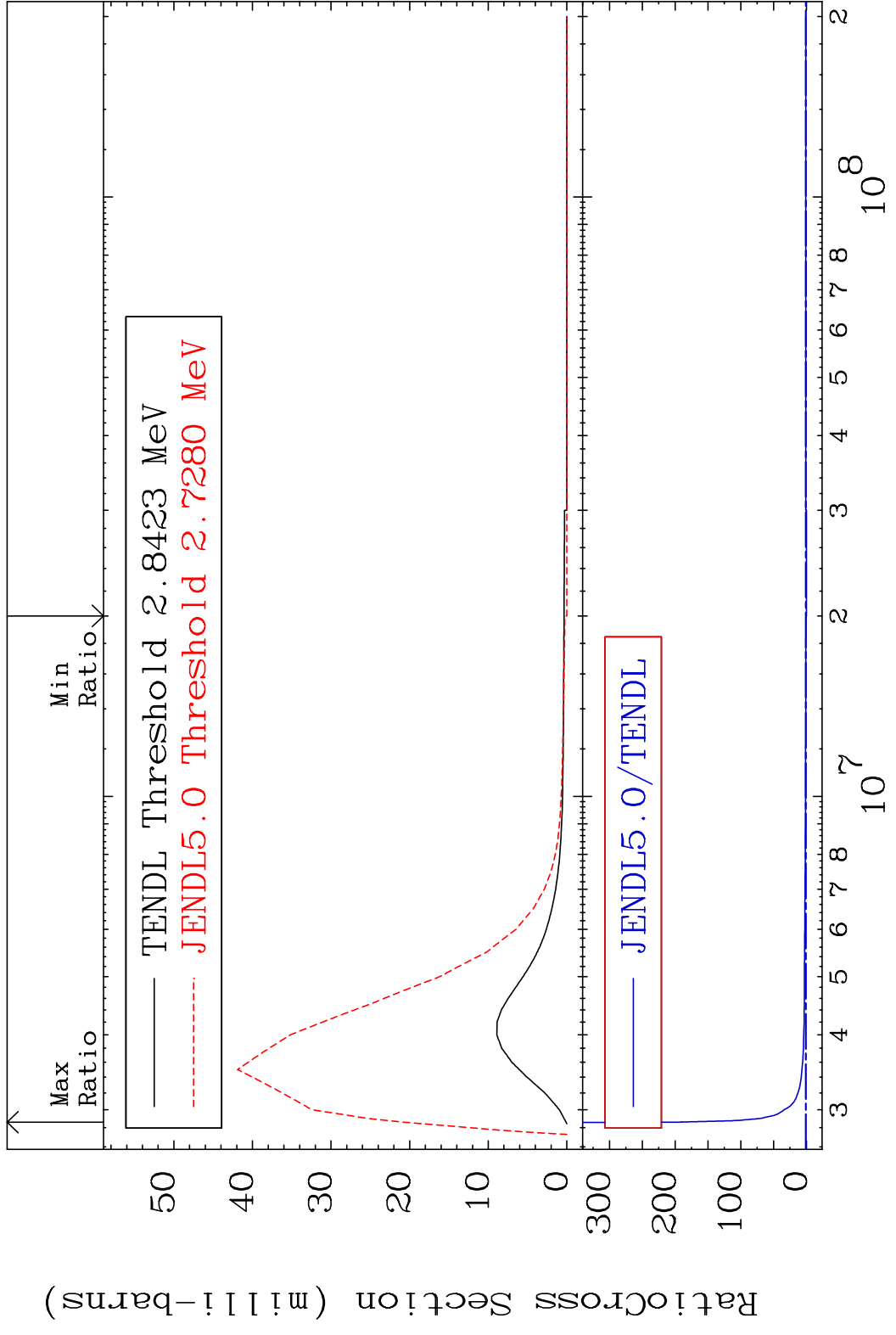
MAT 5061 MT= 70 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 71 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

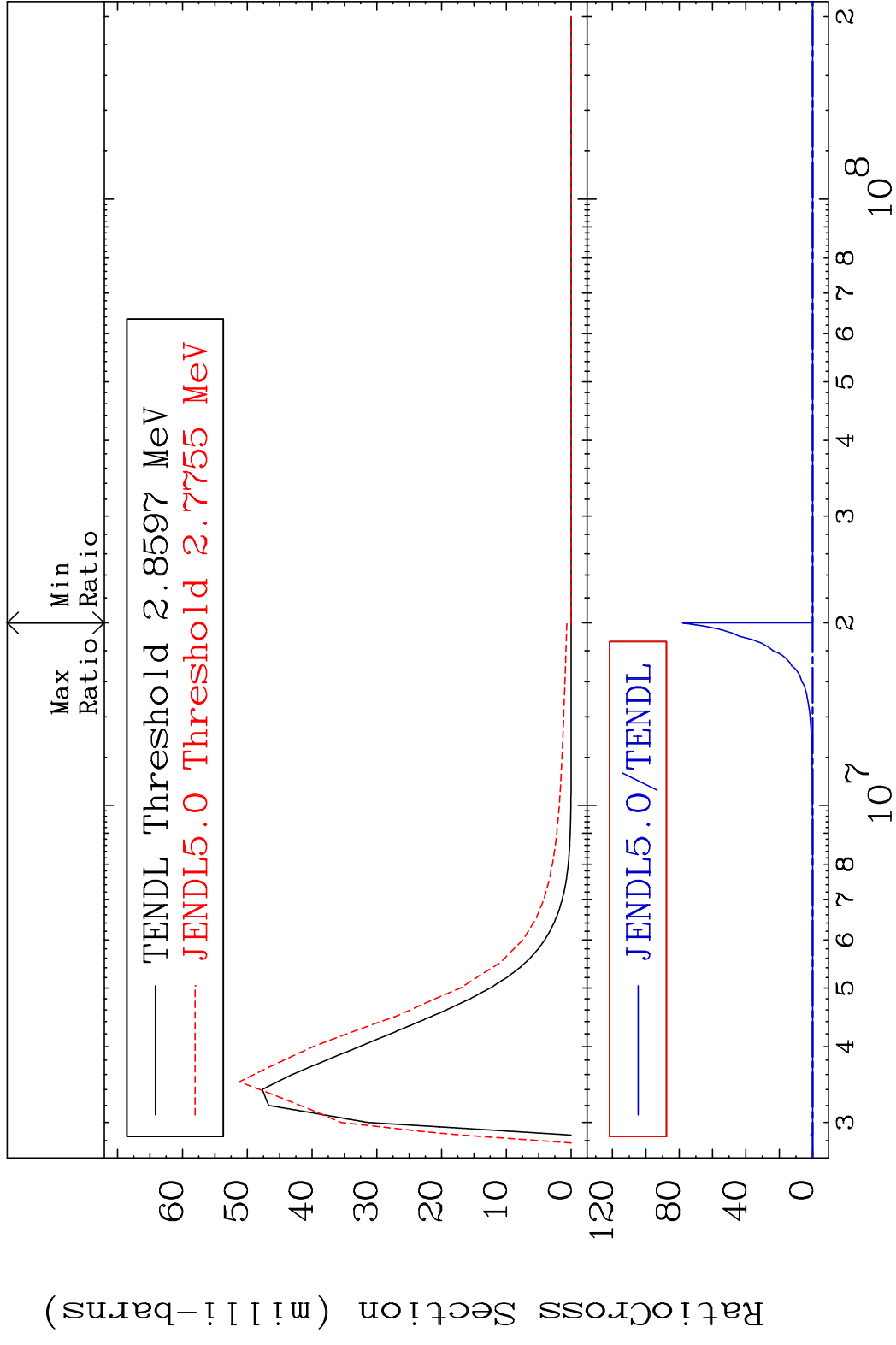


MAT 5061 MT= 72 (n,n') Level 50-Sn-124
Cross Section -100.0 To 9999. %

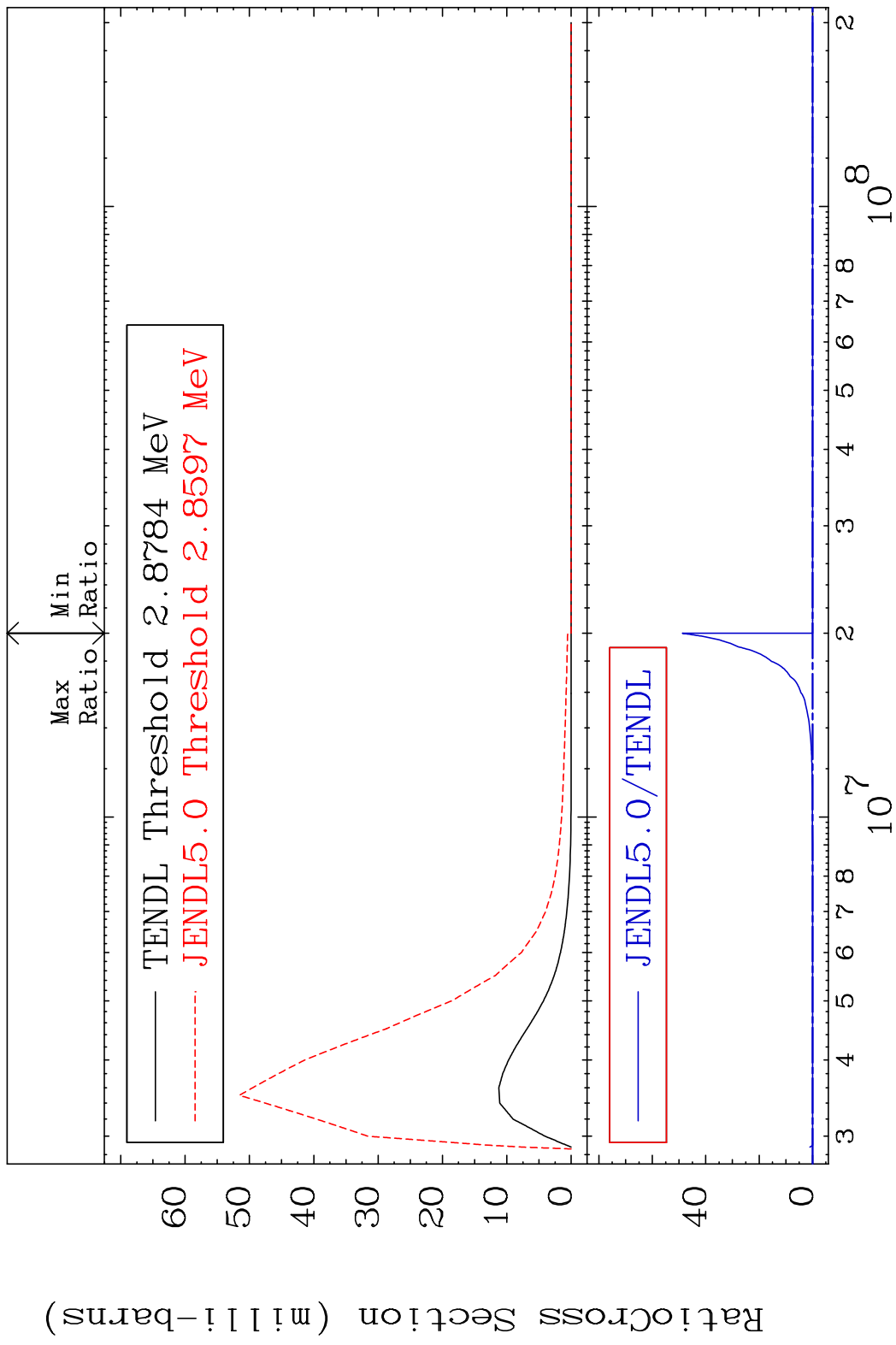


30 Incident Energy (eV) 50-Sn-124

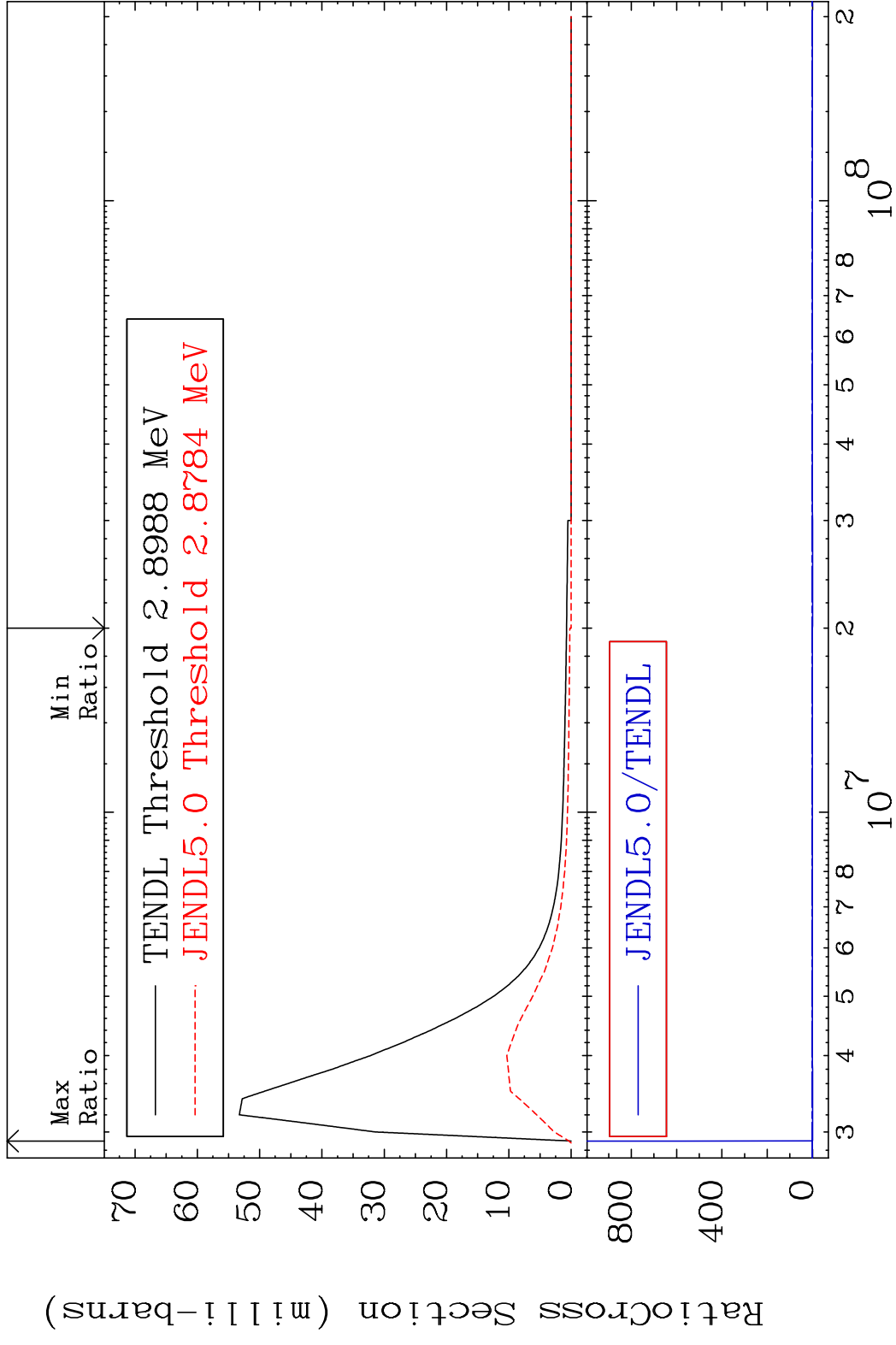
MAT 5061 MT= 73 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



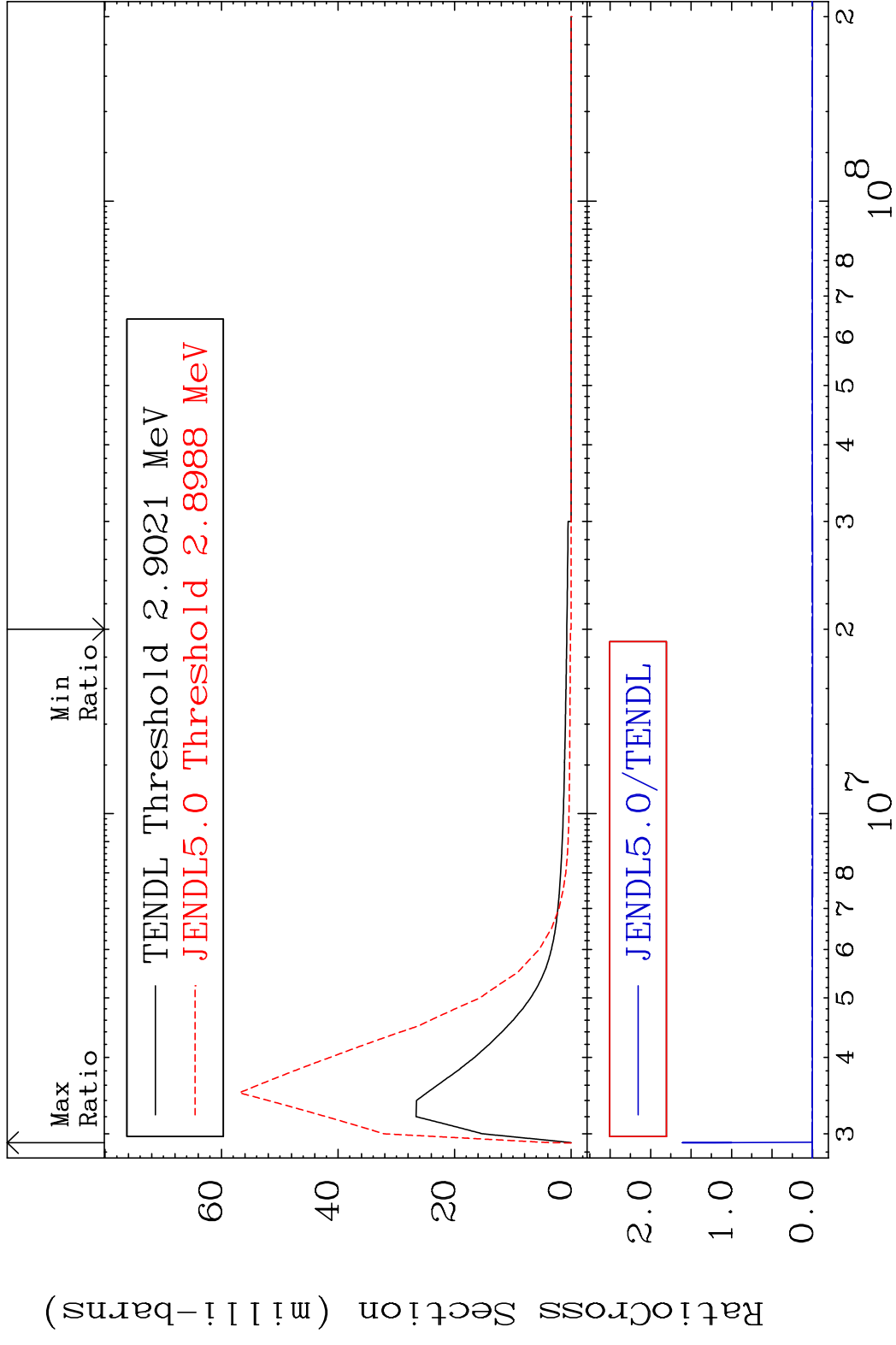
MAT 5061 MT= 74 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



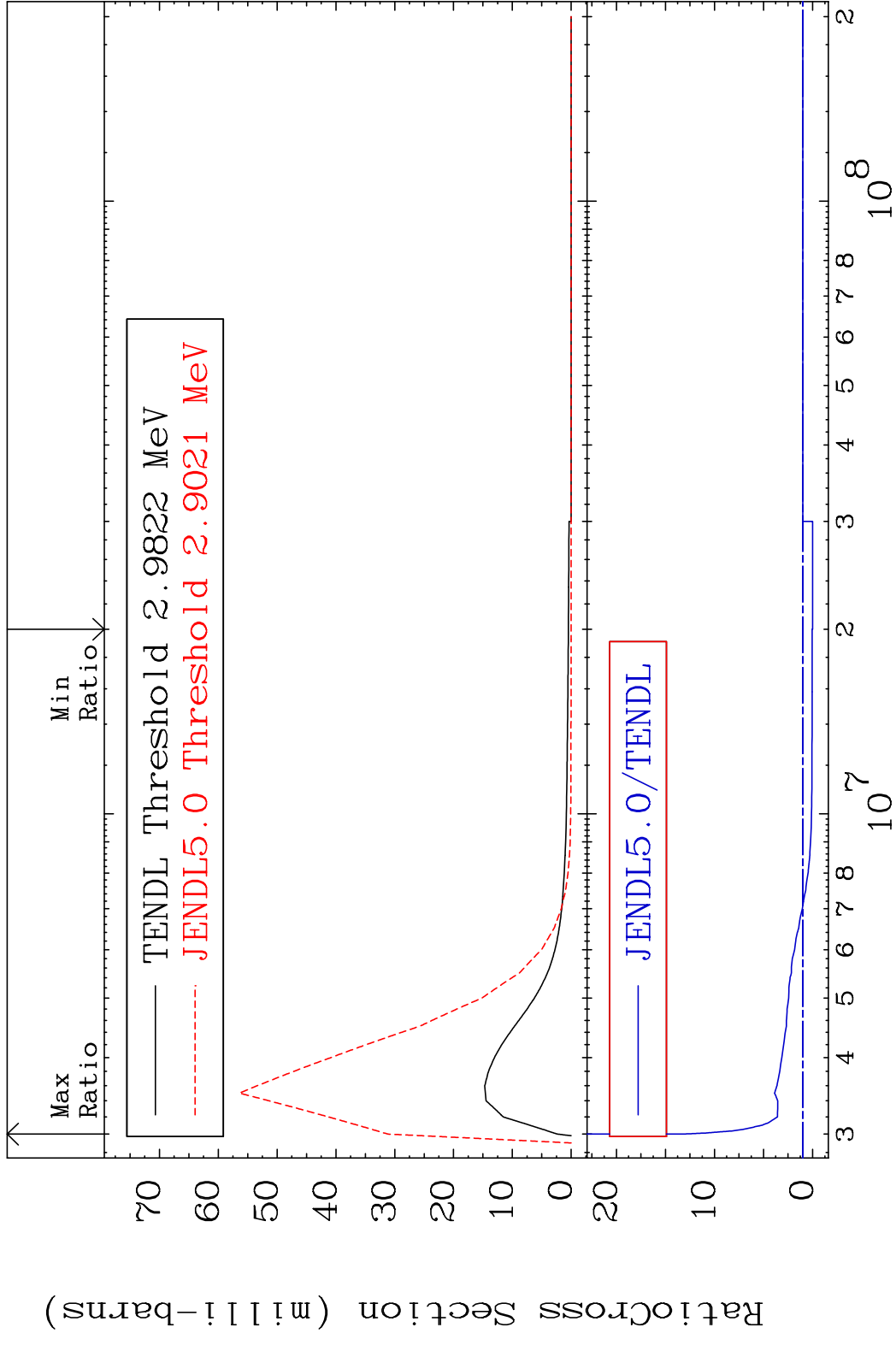
MAT 5061 MT= 75 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 76 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 77 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 1227. %

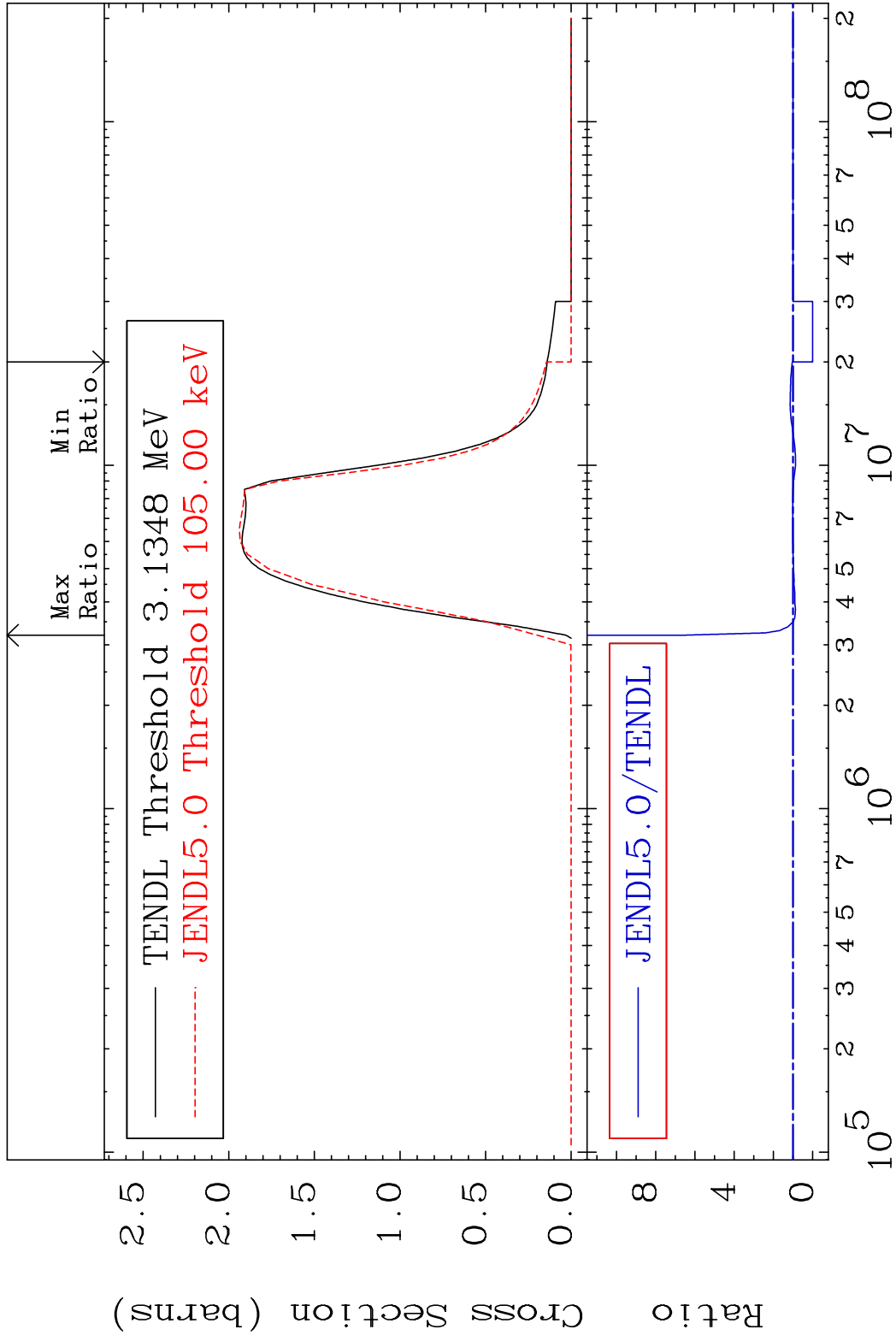


MAT 5061

(n,n') Continuum

50-Sn-124

Cross Section -100.0 To 563.9 %



36

Incident Energy (eV)

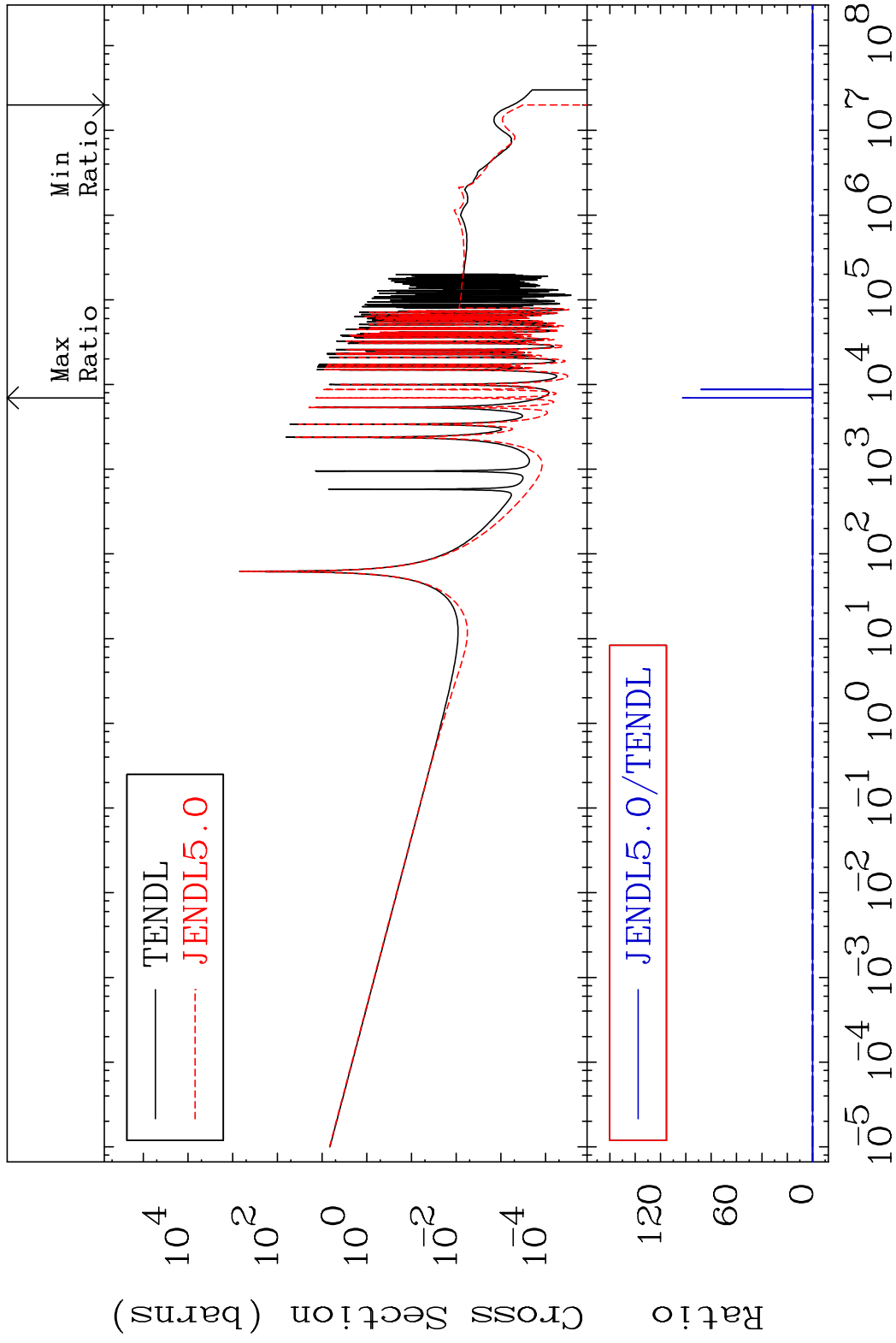
50-Sn-124

MAT 5061

(n, γ)

50-Sn-124

Cross Section -100.0 To 9999. %

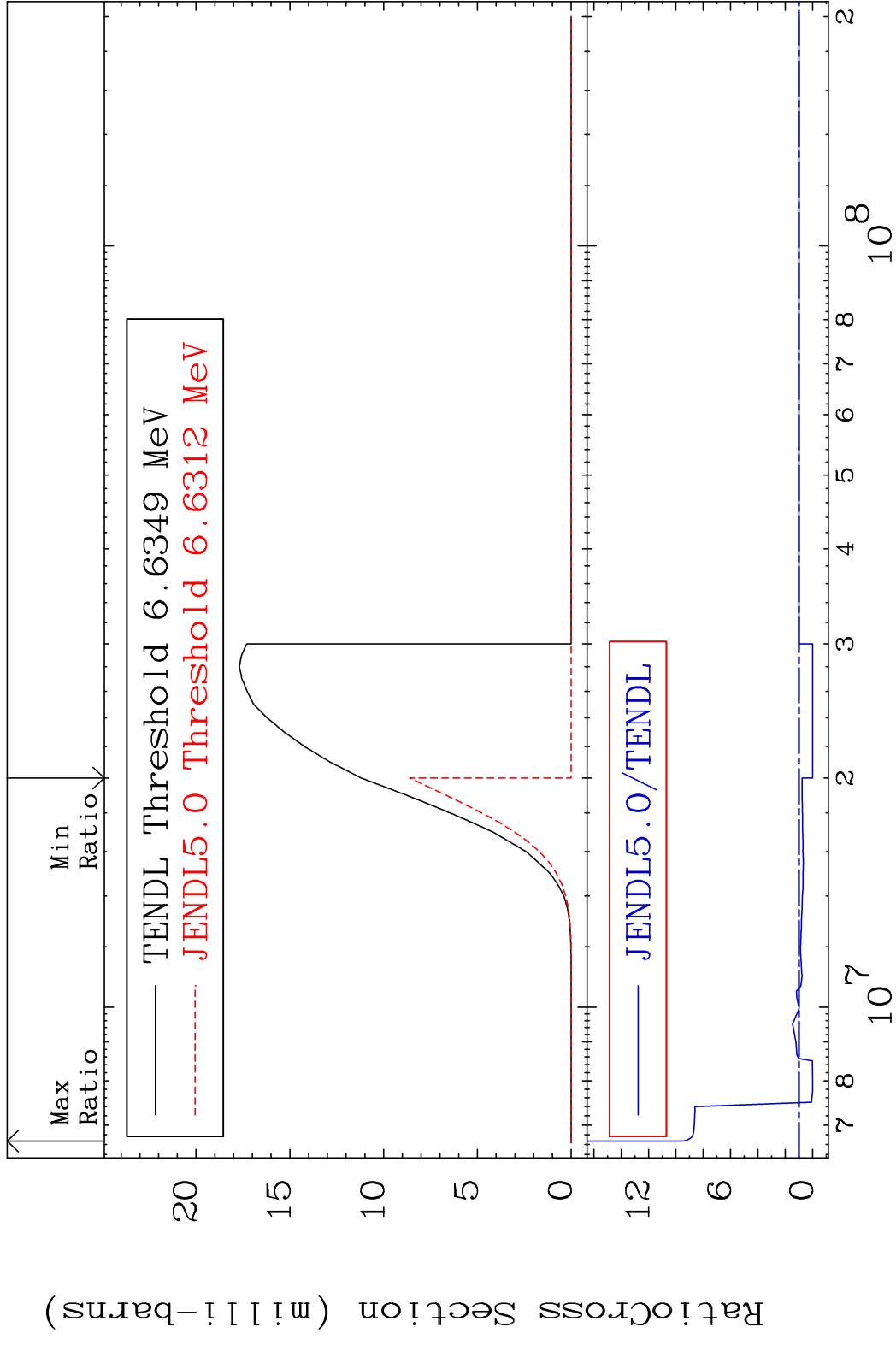


37

Incident Energy (eV)

50-Sn-124

MAT 5061 (n,p) 50-Sn-124
 Cross Section -100.0 To 852.6 %

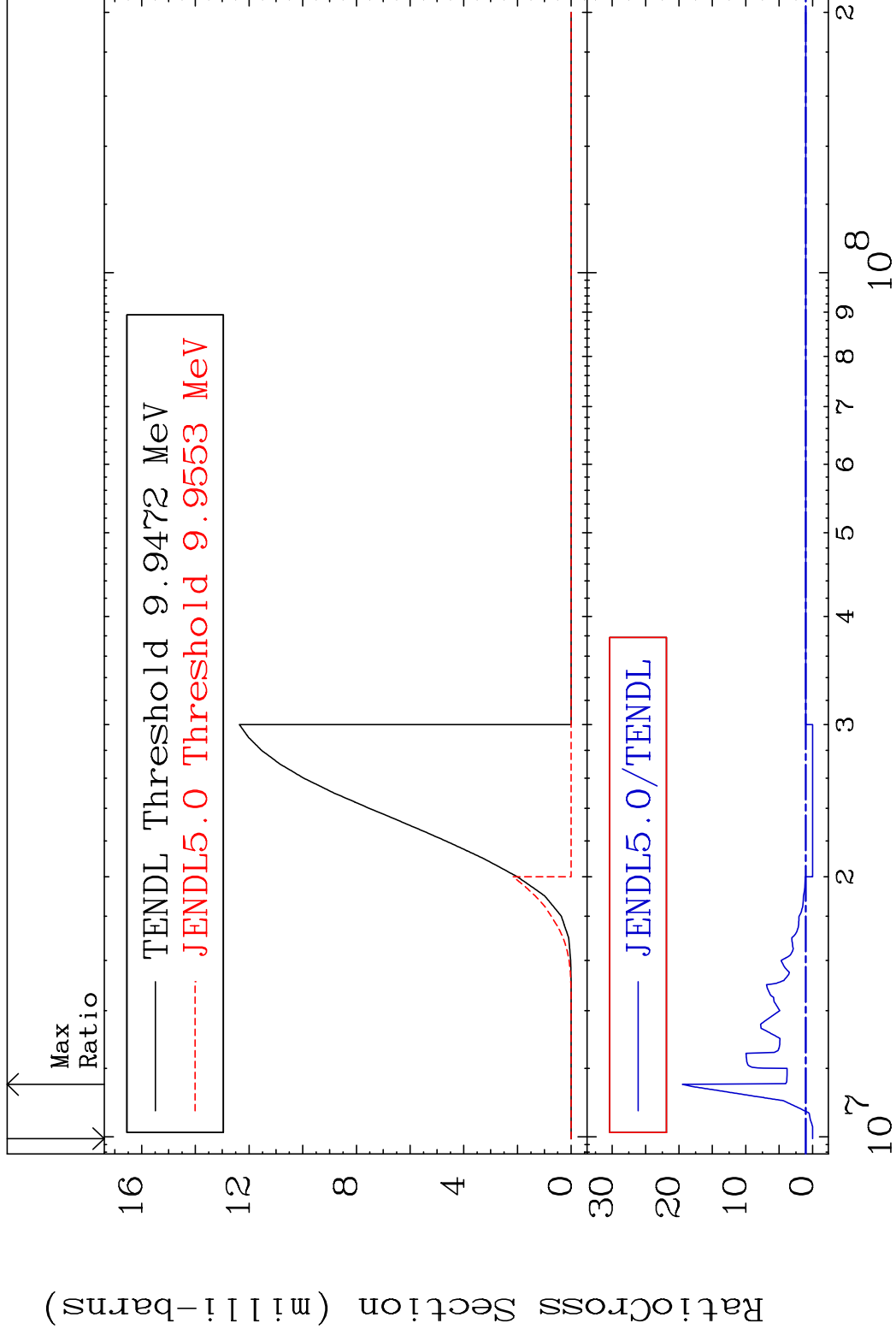


MAT 5061

(n,d)

50-Sn-124

Cross Section -100.0 To 1849. %



39

Incident Energy (eV)

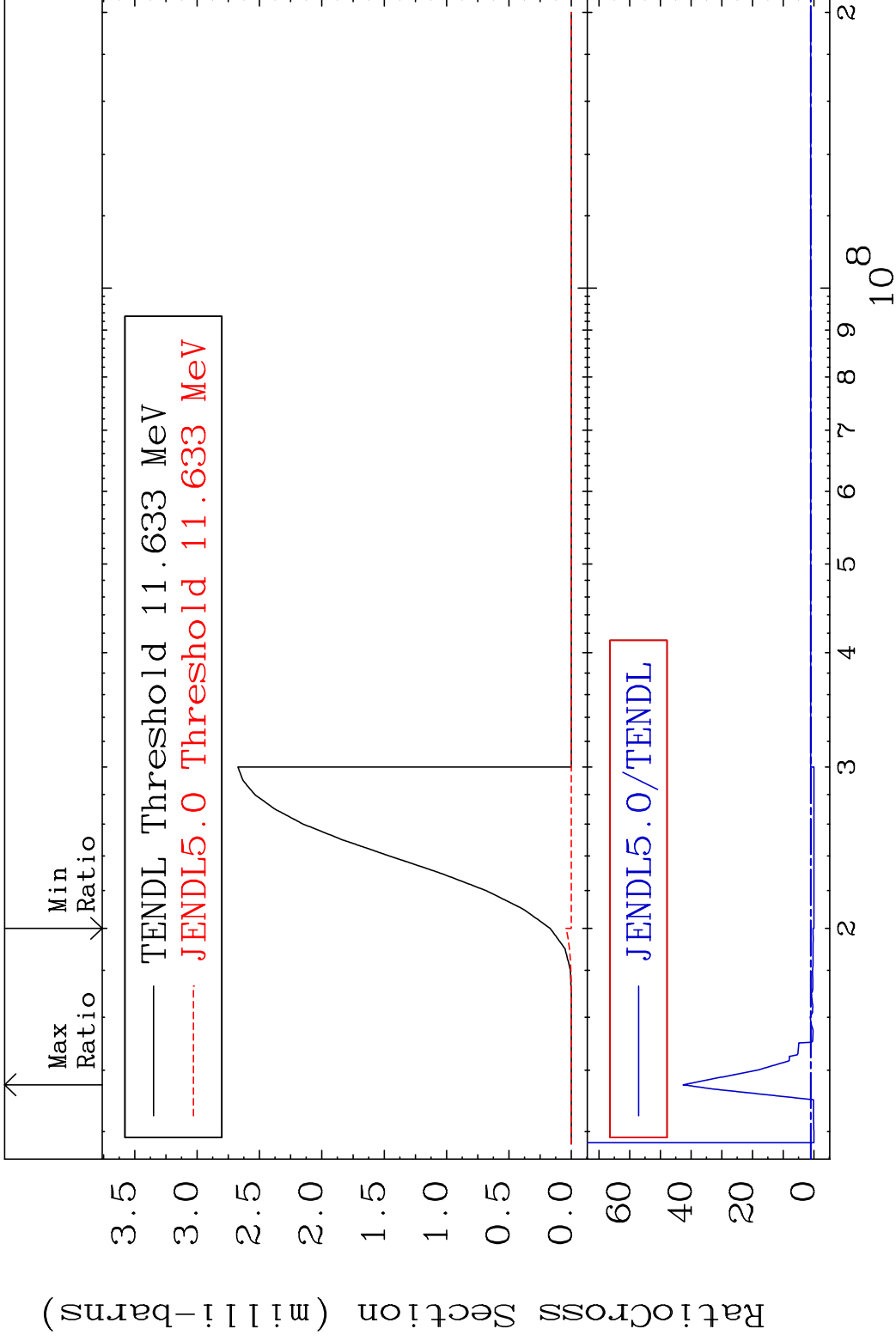
50-Sn-124

MAT 5061

(n, t)

50-Sn-124

Cross Section -100.0 To 4162. %



40

Incident Energy (eV)

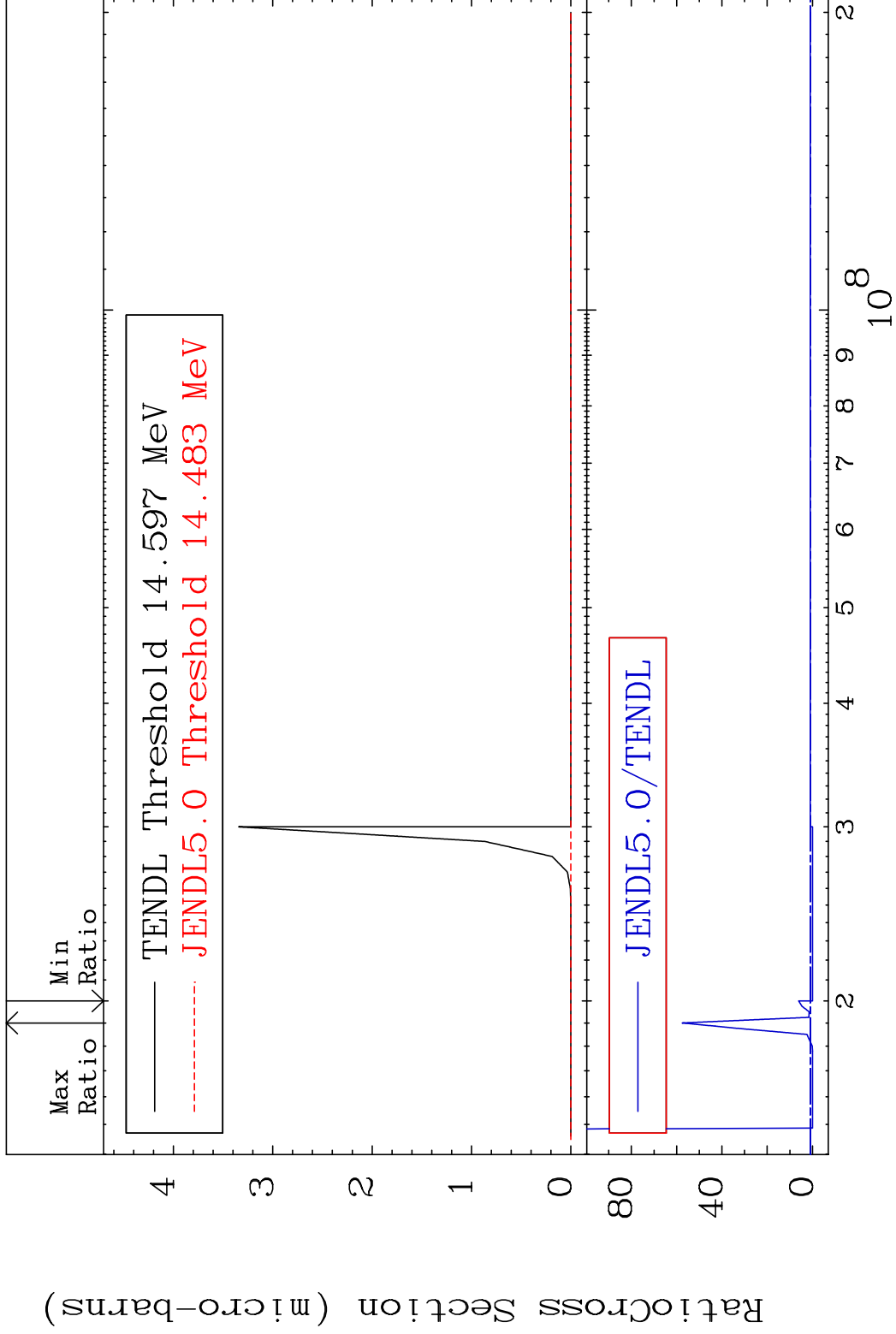
50-Sn-124

MAT 5061

(n, He-3)

50-Sn-124

Cross Section -100.0 To 5657. %



41

Incident Energy (eV)

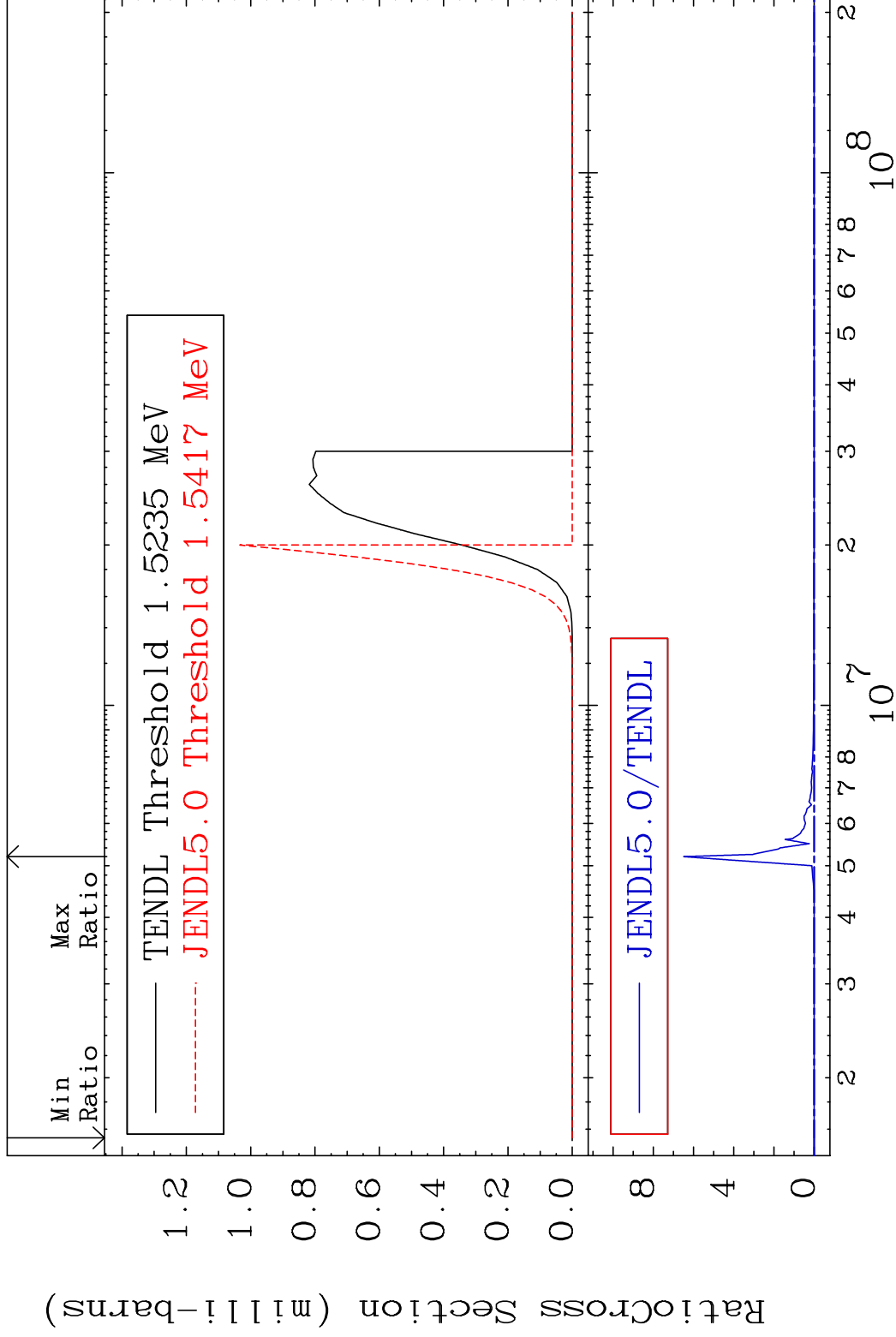
50-Sn-124

MAT 5061

(n, α)

50-Sn-124

Cross Section -100.0 To 9999. %

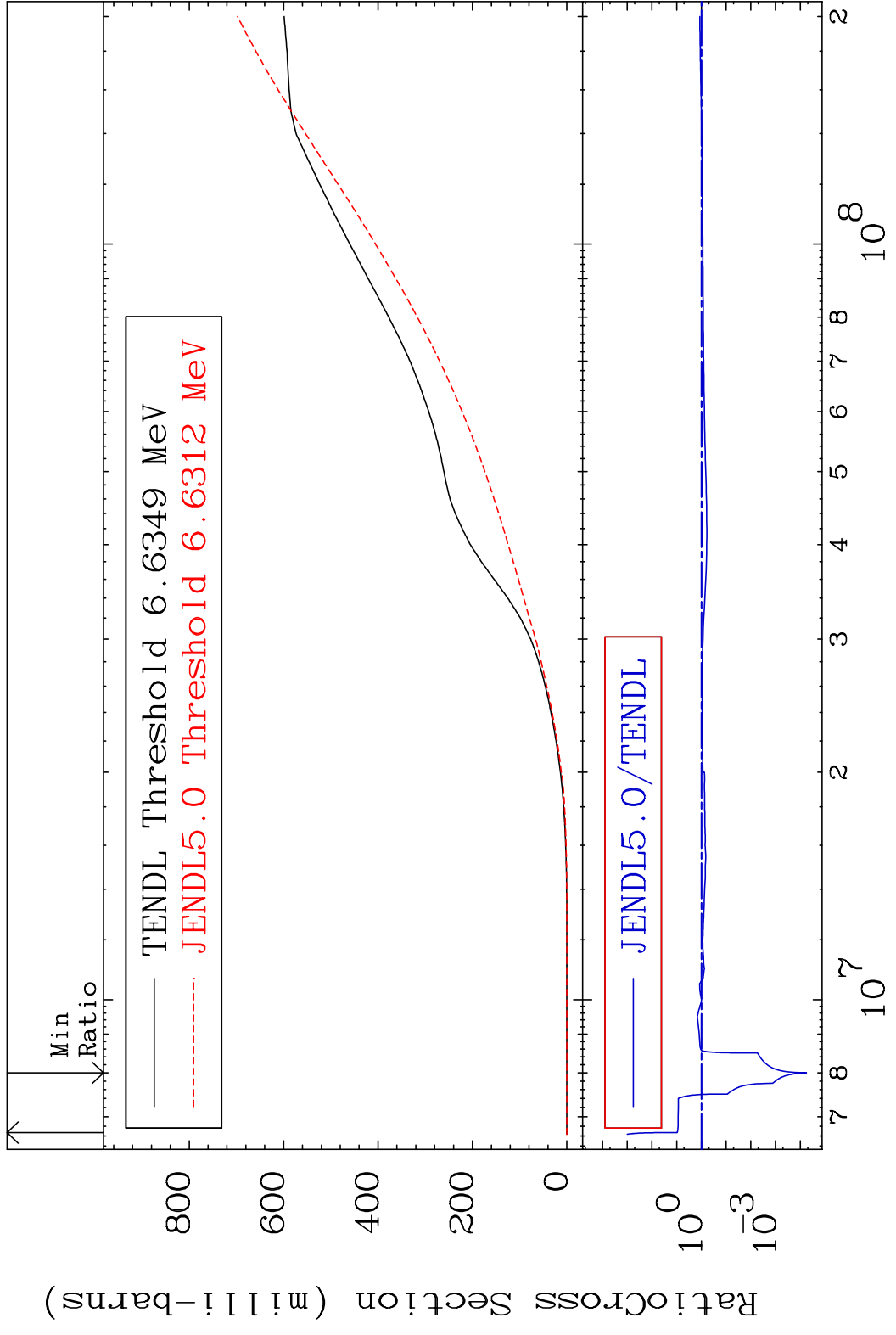


42

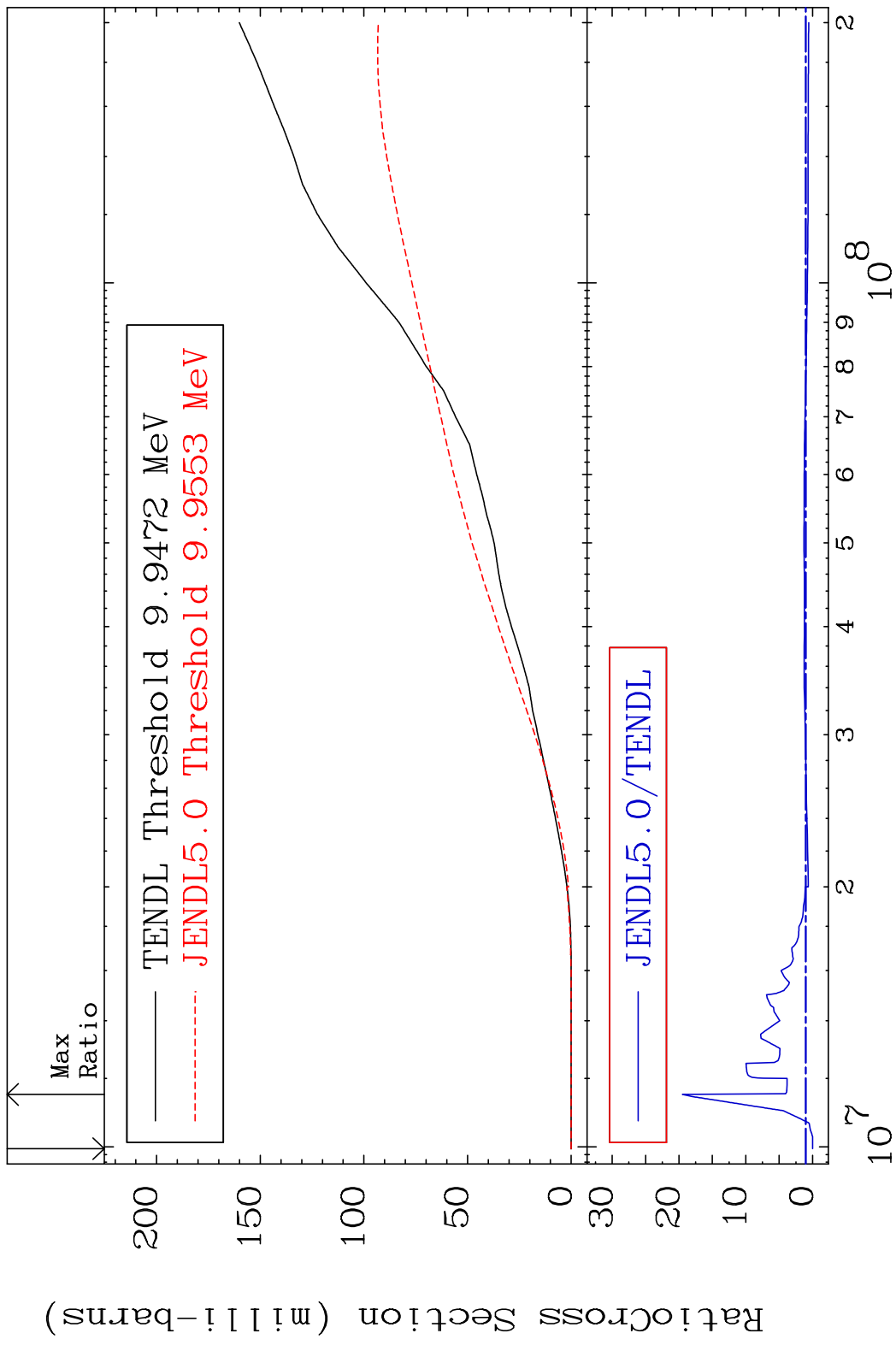
Incident Energy (eV)

50-Sn-124

MAT 5061 Hydrogen Production 50-Sn-124
 Cross Section -99.99 To 852.6 %

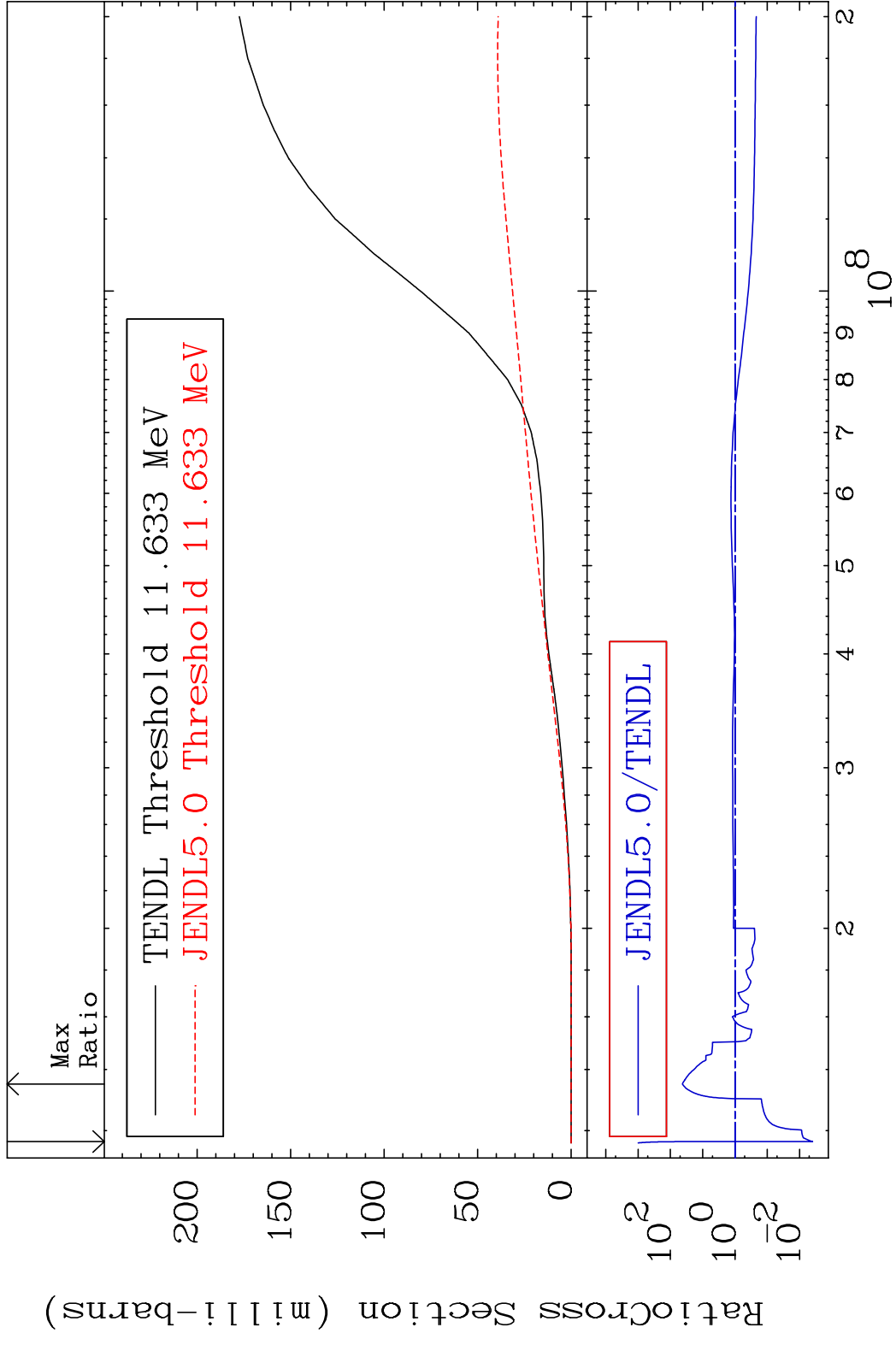


MAT 5061 Deuterium Production 50-Sn-124
 Cross Section -100.0 To 1849. %



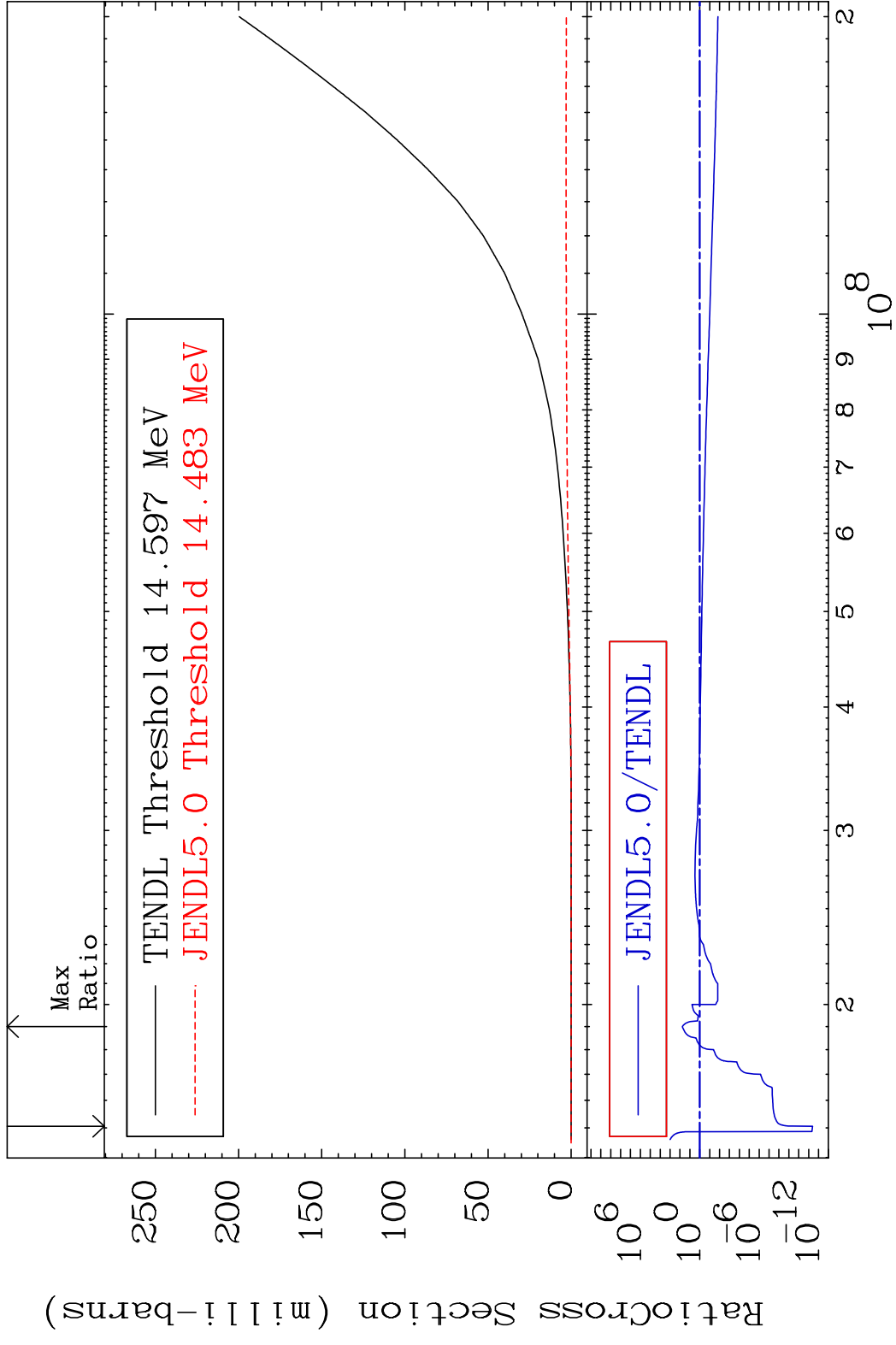
44 50-Sn-124

MAT 5061 Tritium Production 50-Sn-124
 Cross Section -99.61 To 4162. %



45 Incident Energy (eV) 50-Sn-124

MAT 5061 He-3 Production 50-Sn-124
 Cross Section -100.0 To 5657. %

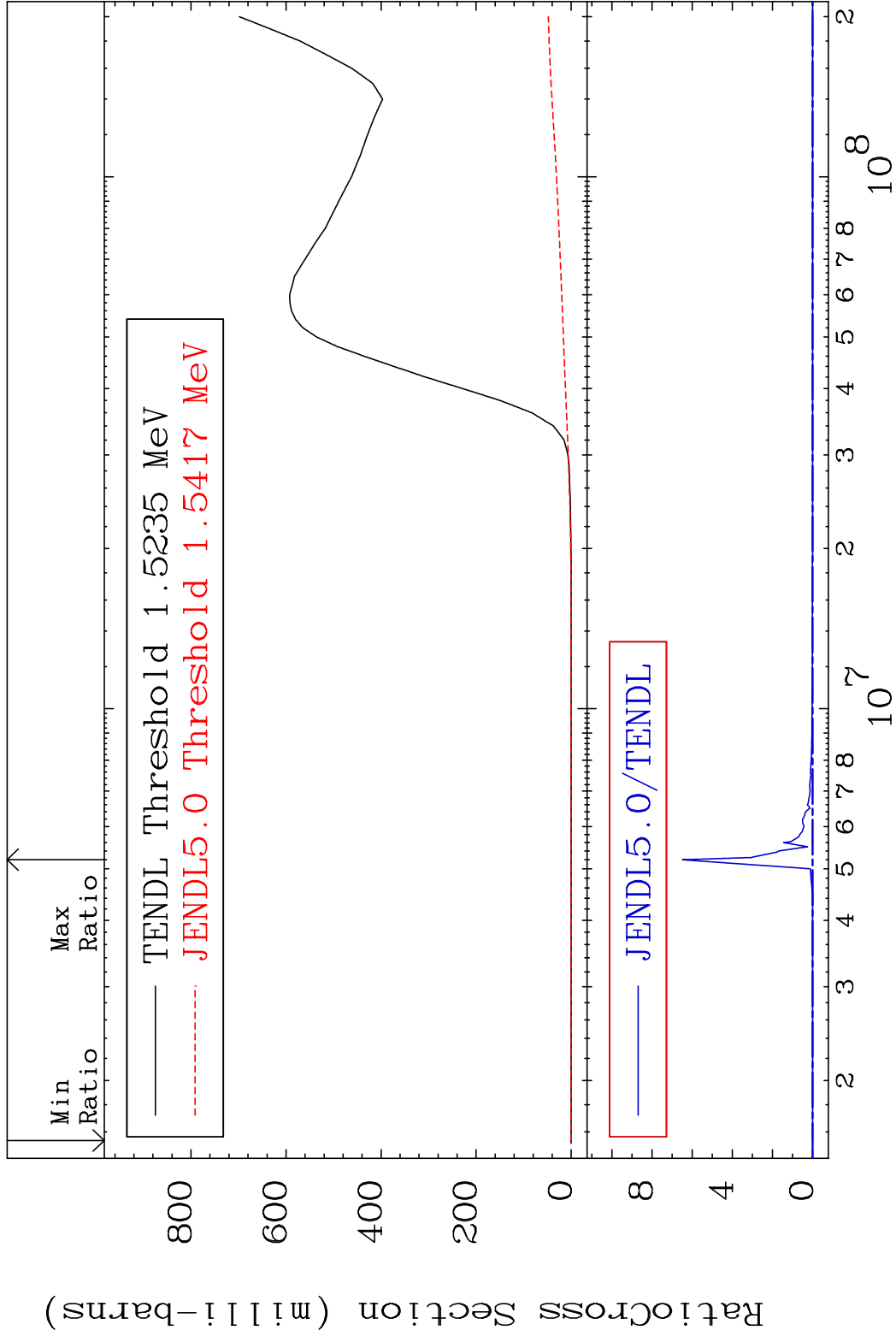


MAT 5061

He-4 Production

50-Sn-124

Cross Section -100.0 To 9999. %

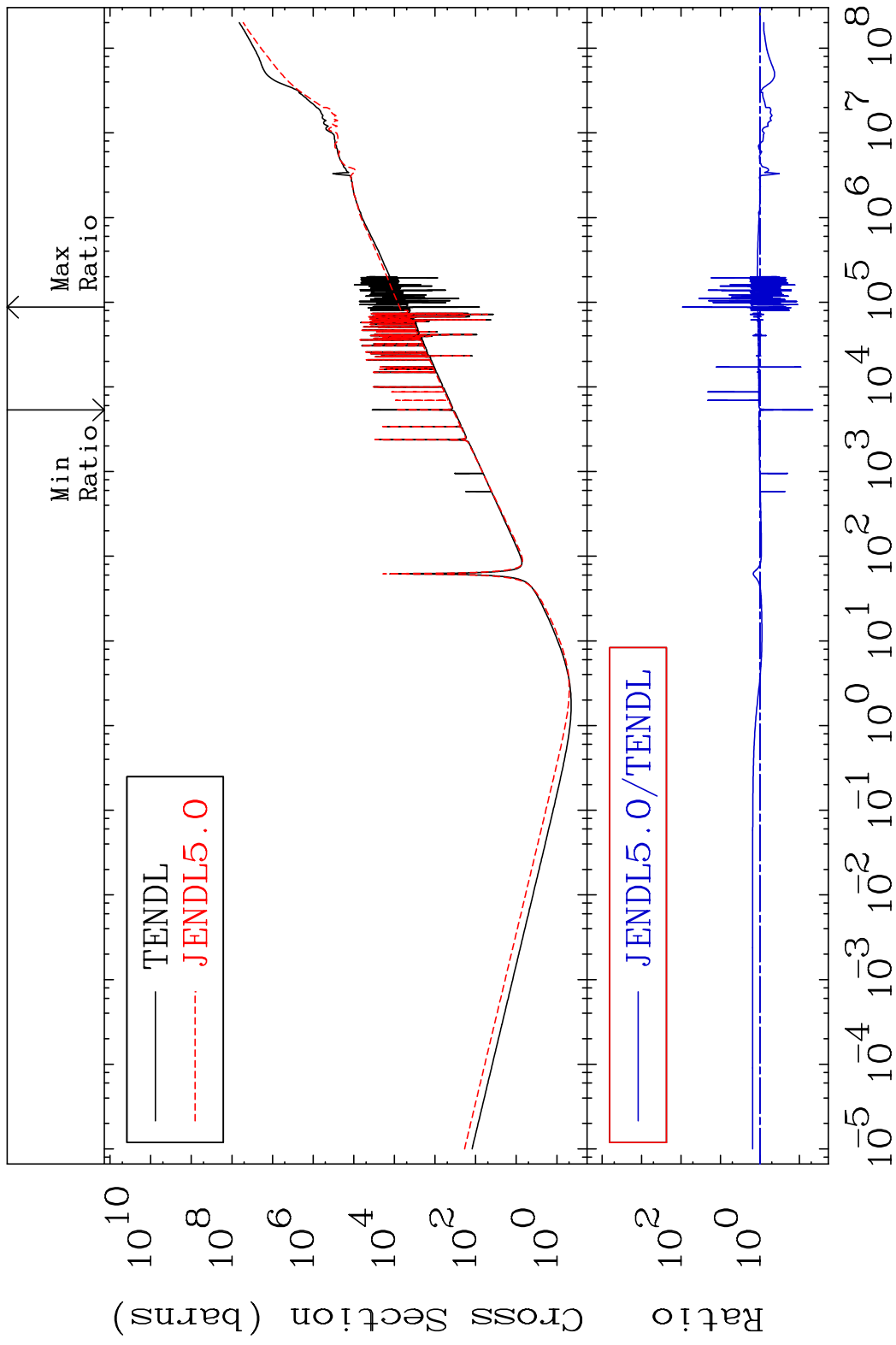


47

Incident Energy (eV)

50-Sn-124

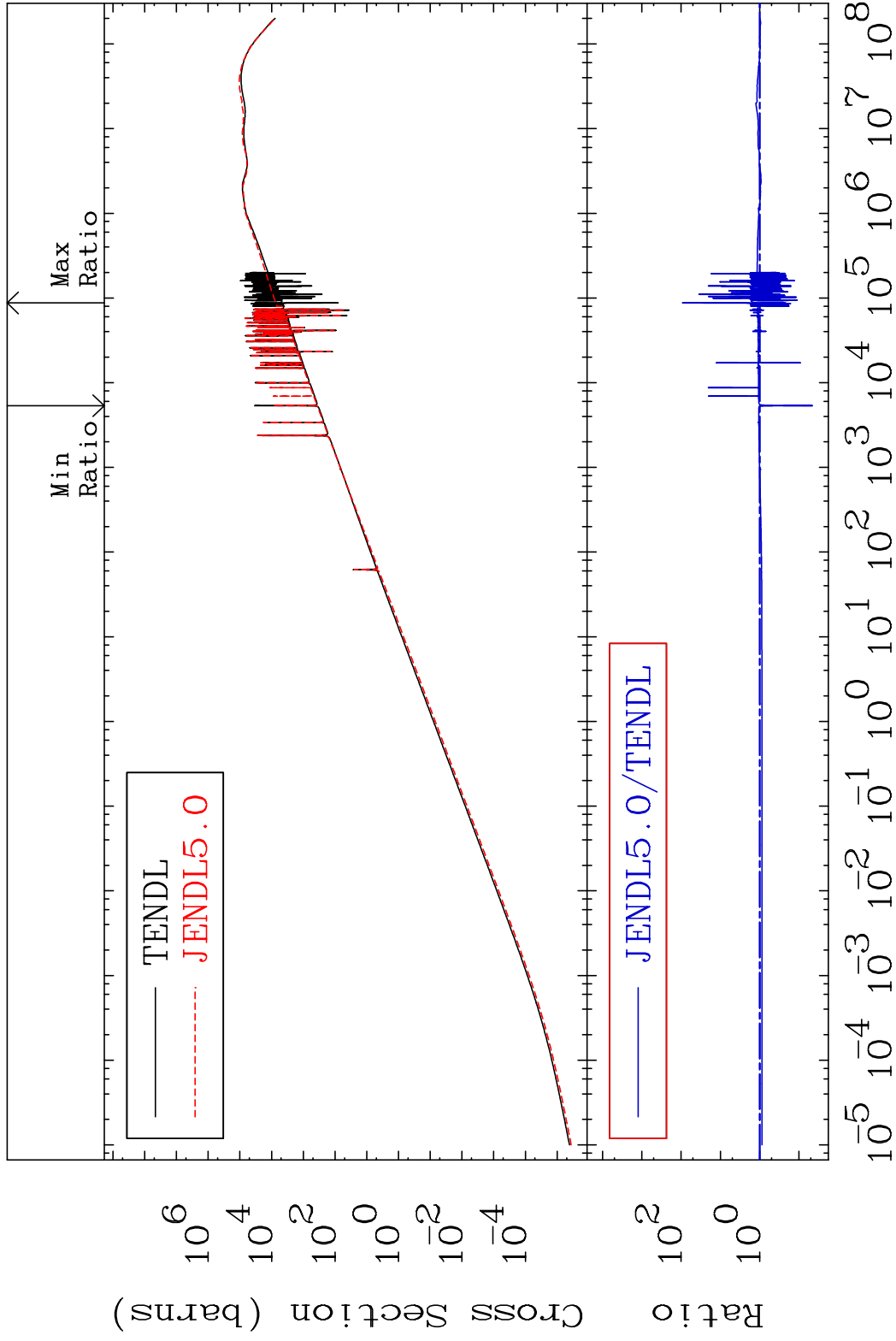
MAT 5061 Kerma total (eV-barns) 50-Sn-124
 Cross Section -95.38 To 9179. %



MAT 5061

Kerma elastic
Cross Section

50-Sn-124
-95.48 To 9187. %

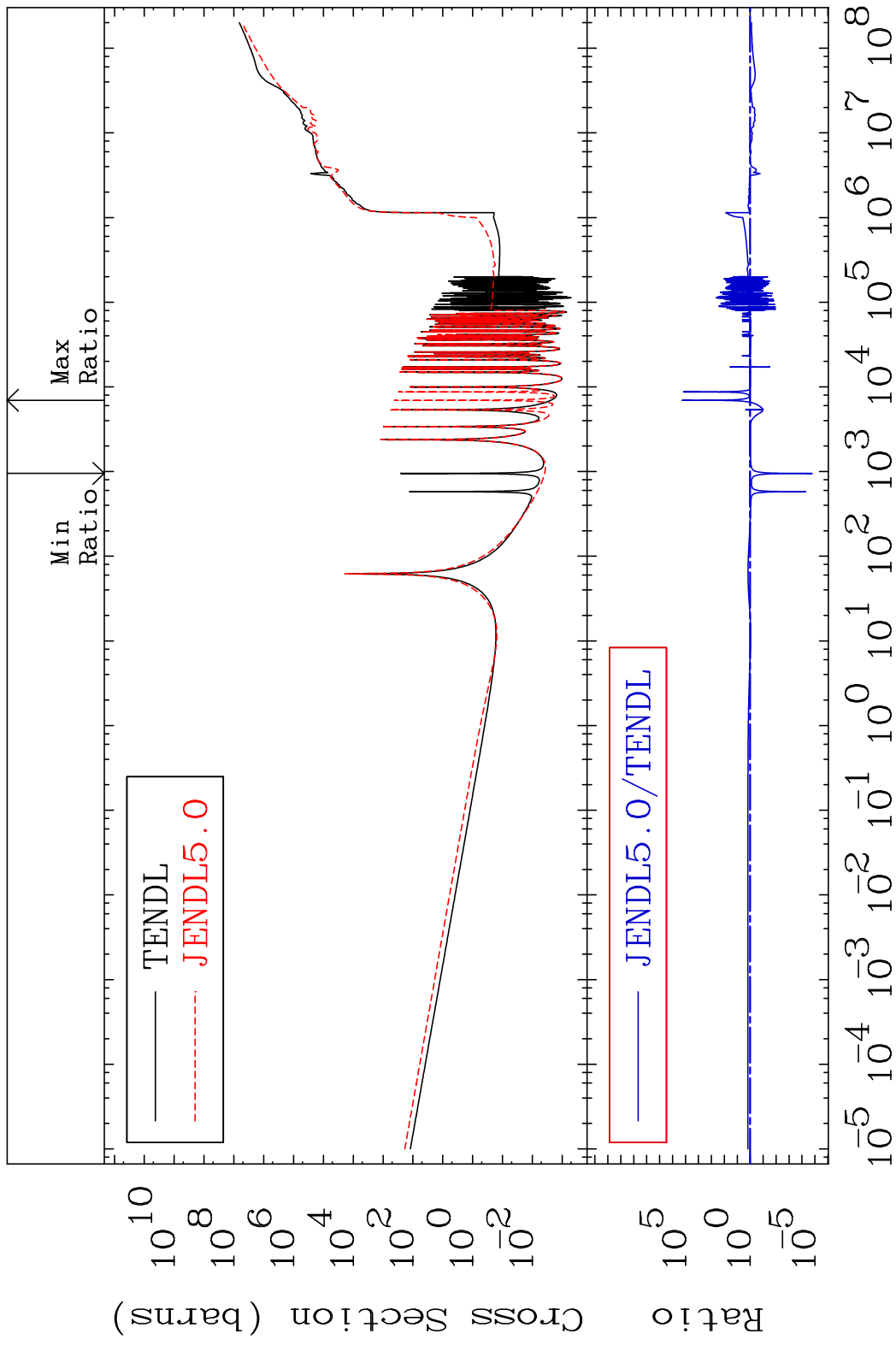


49

Incident Energy (eV)

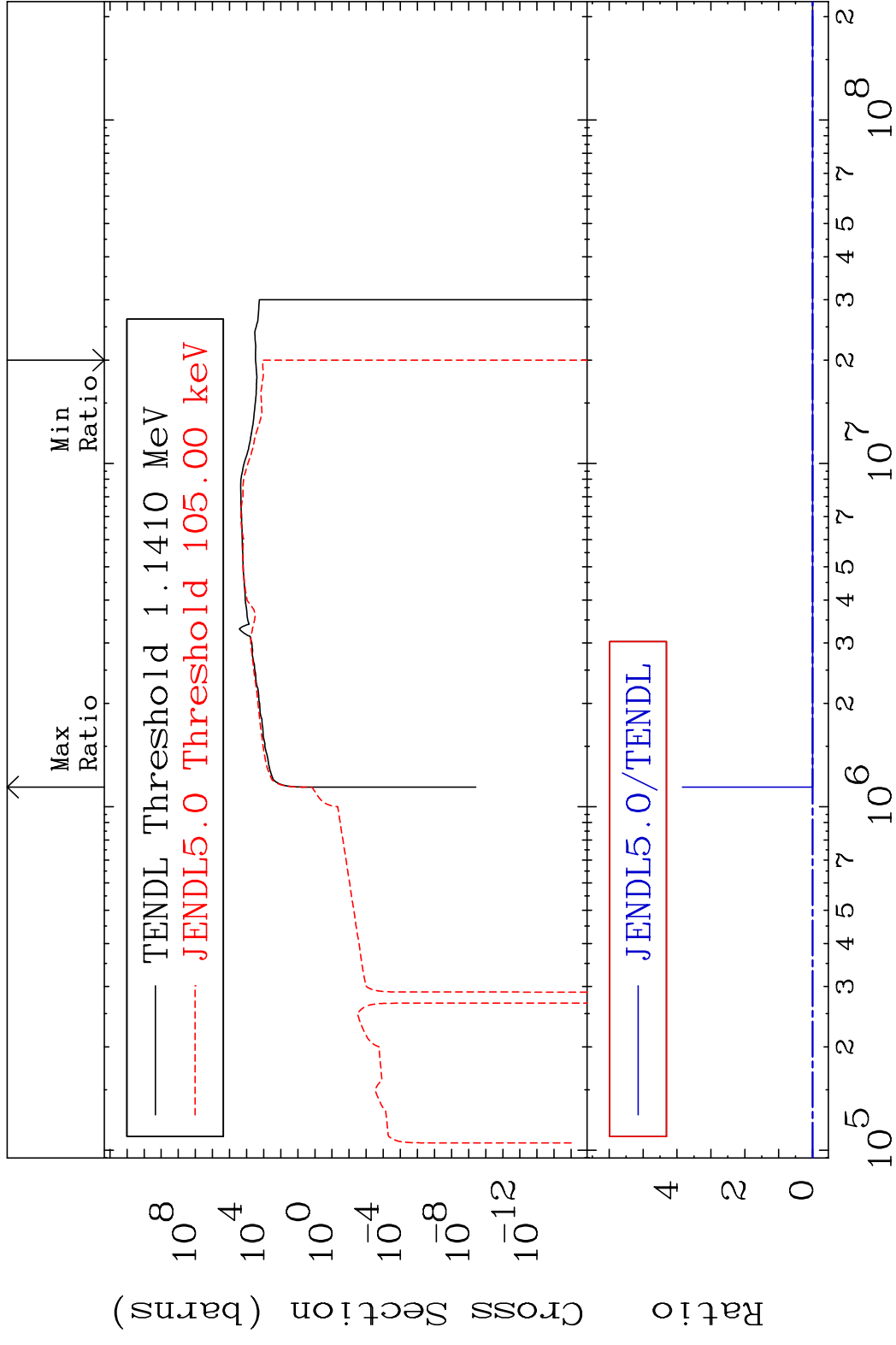
50-Sn-124

MAT 5061 Kerma non-elastic (all but mt2) 50-Sn-124
 Cross Section -100.0 To 9999. %

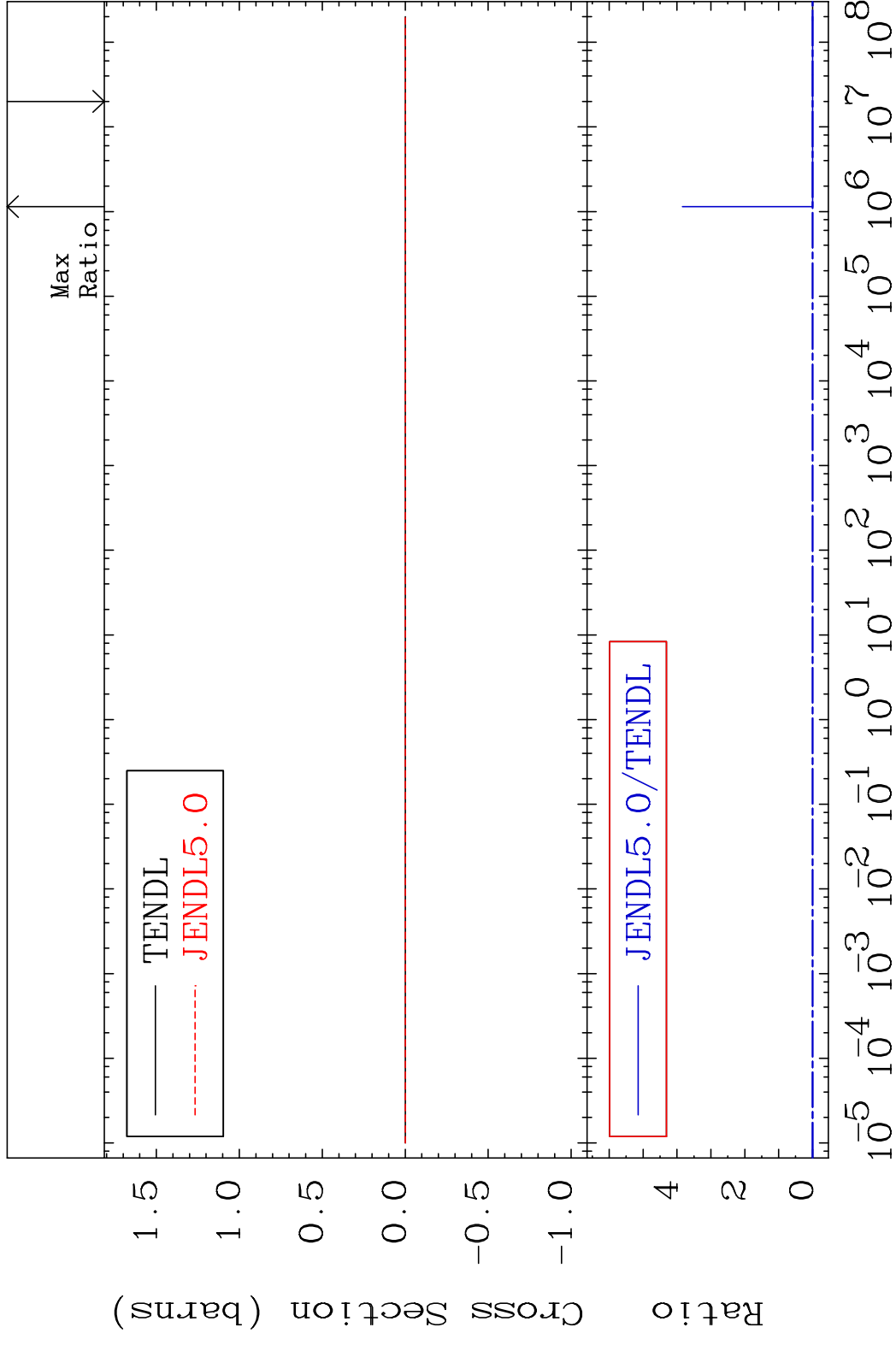


50 Incident Energy (eV) 50-Sn-124

MAT 5061 Kerma inelastic (mt51-91) 50-Sn-124
 Cross Section -100.0 To 9999. %



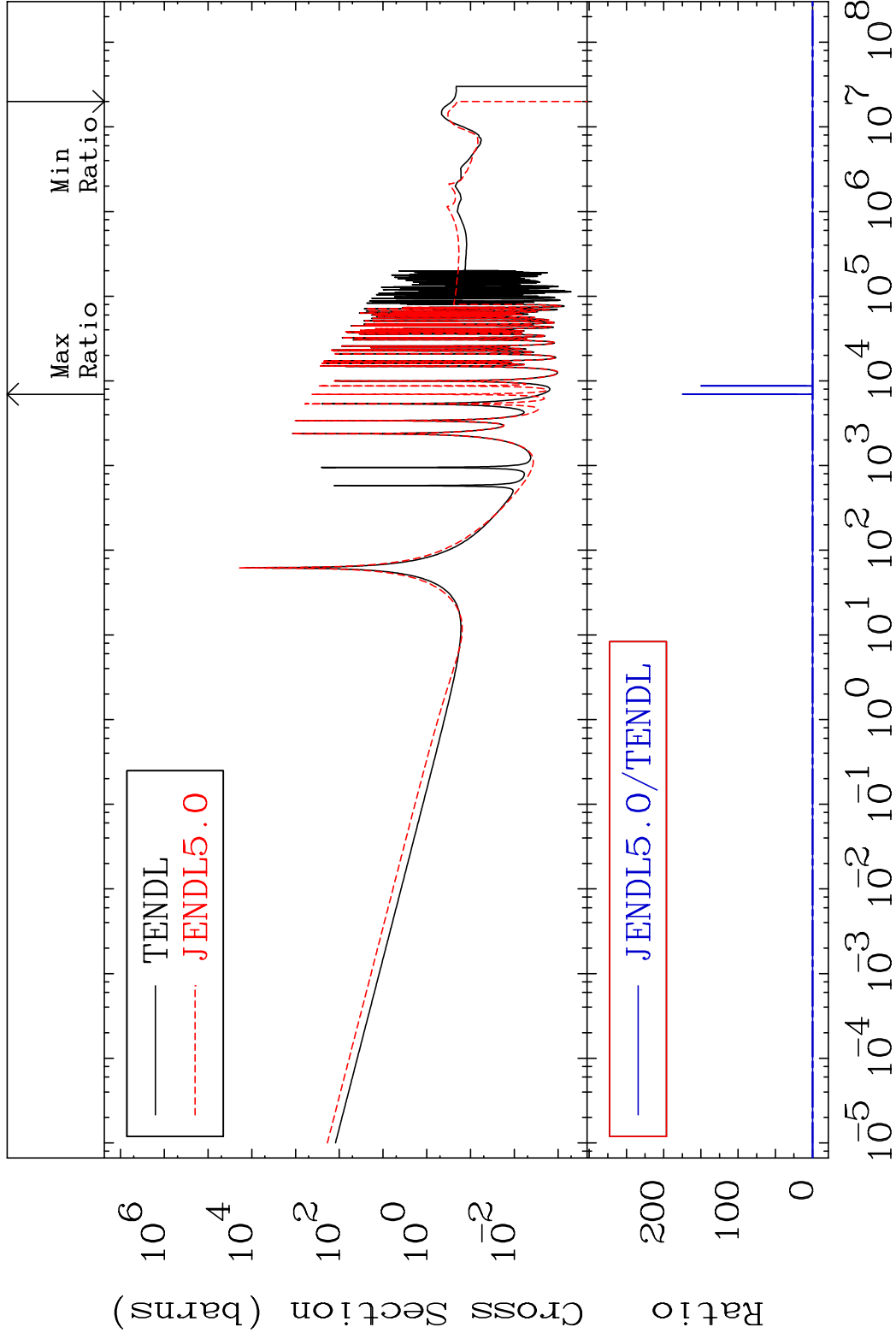
MAT 5061 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061

Kerma capture (mt102) 50-Sn-124

Cross Section -100.0 To 9999. %

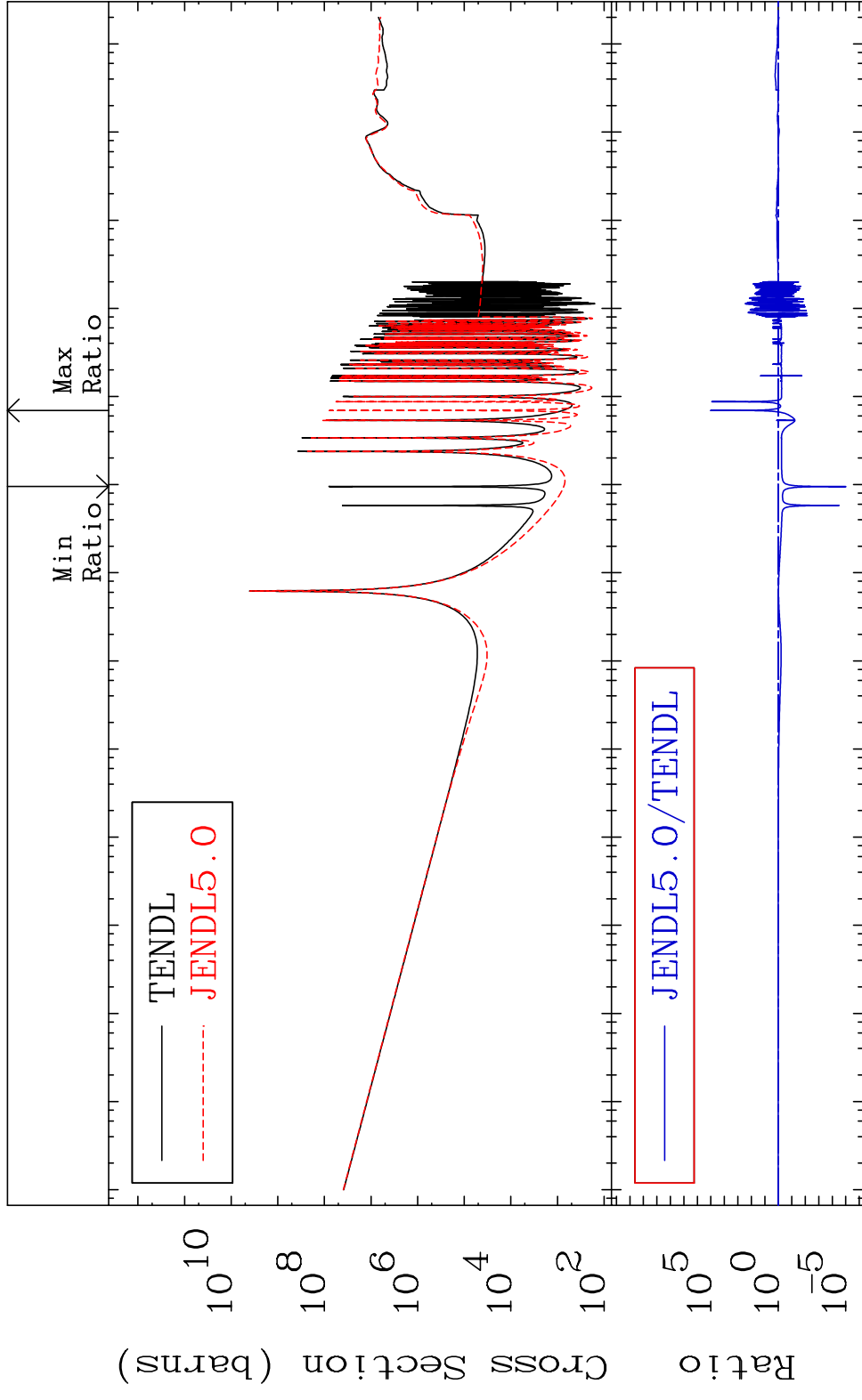


53

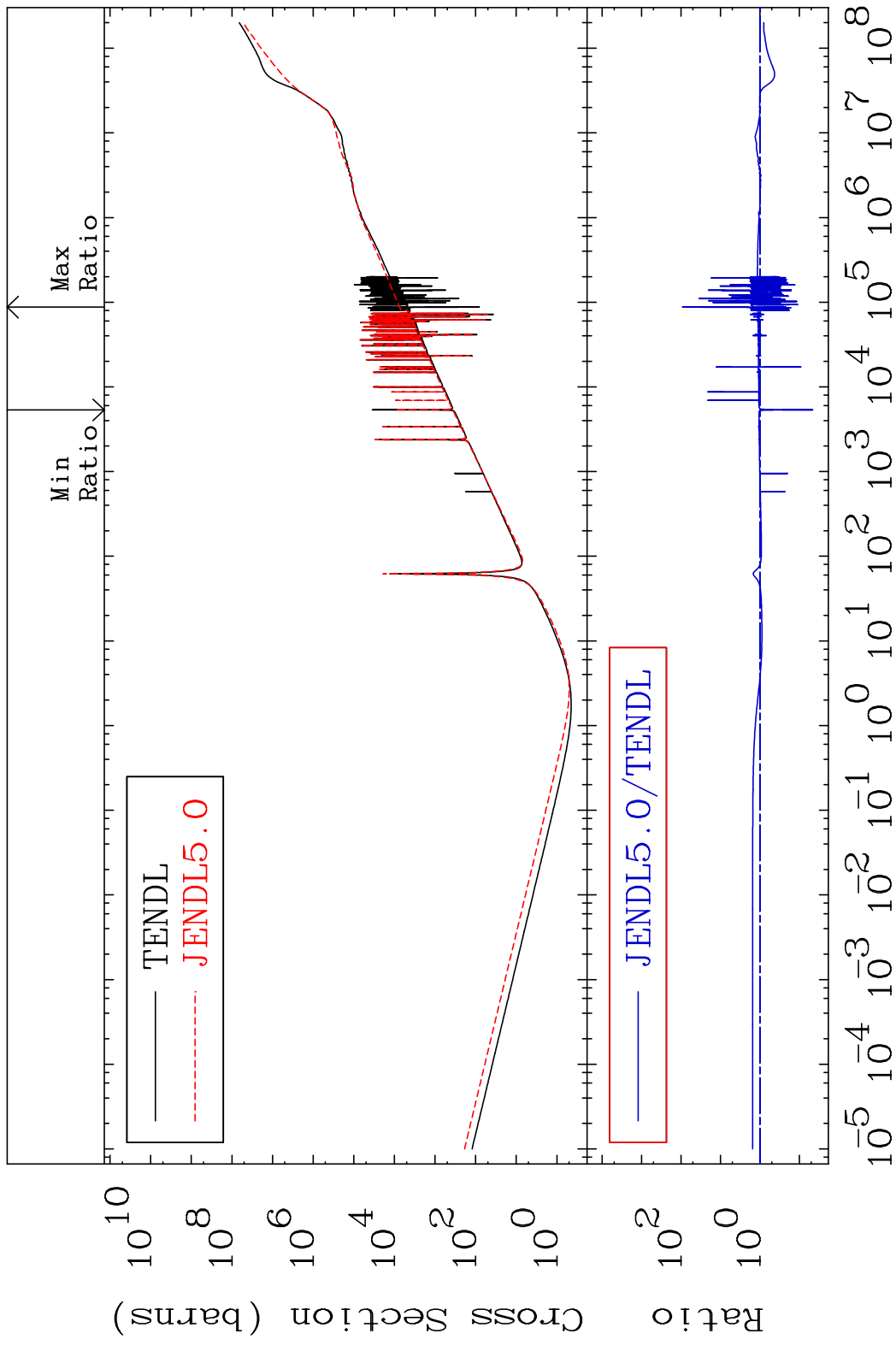
Incident Energy (eV)

50-Sn-124

MAT 5061 Total photon (eV-barns) 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 Total kinematic kerma (high limit) 50-Sn-124
 Cross Section -95.38 To 9179. %

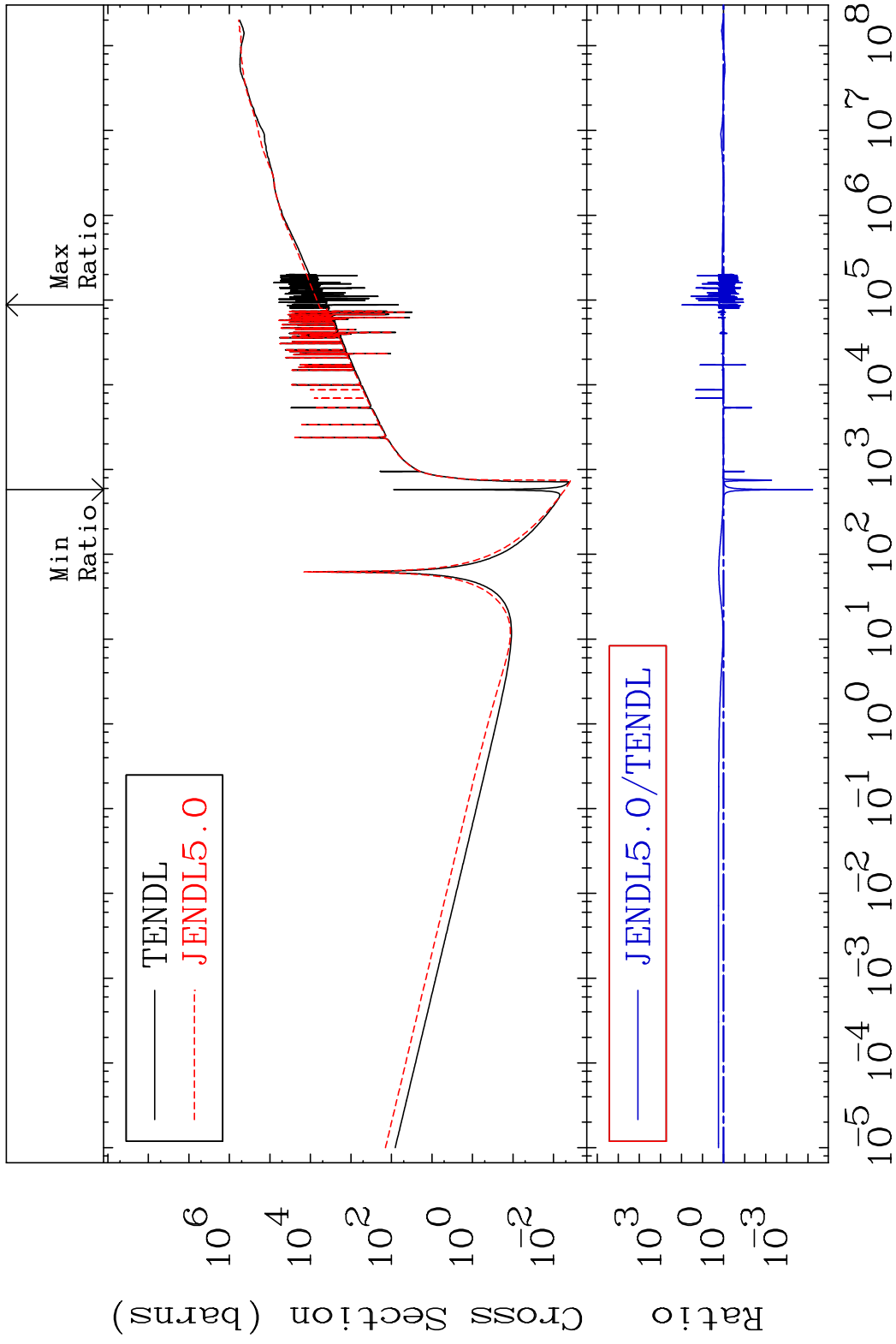


MAT 5061

Dpa total (eV-barns)

50-Sn-124

Cross Section -99.99 To 9172. %



56

Incident Energy (eV)

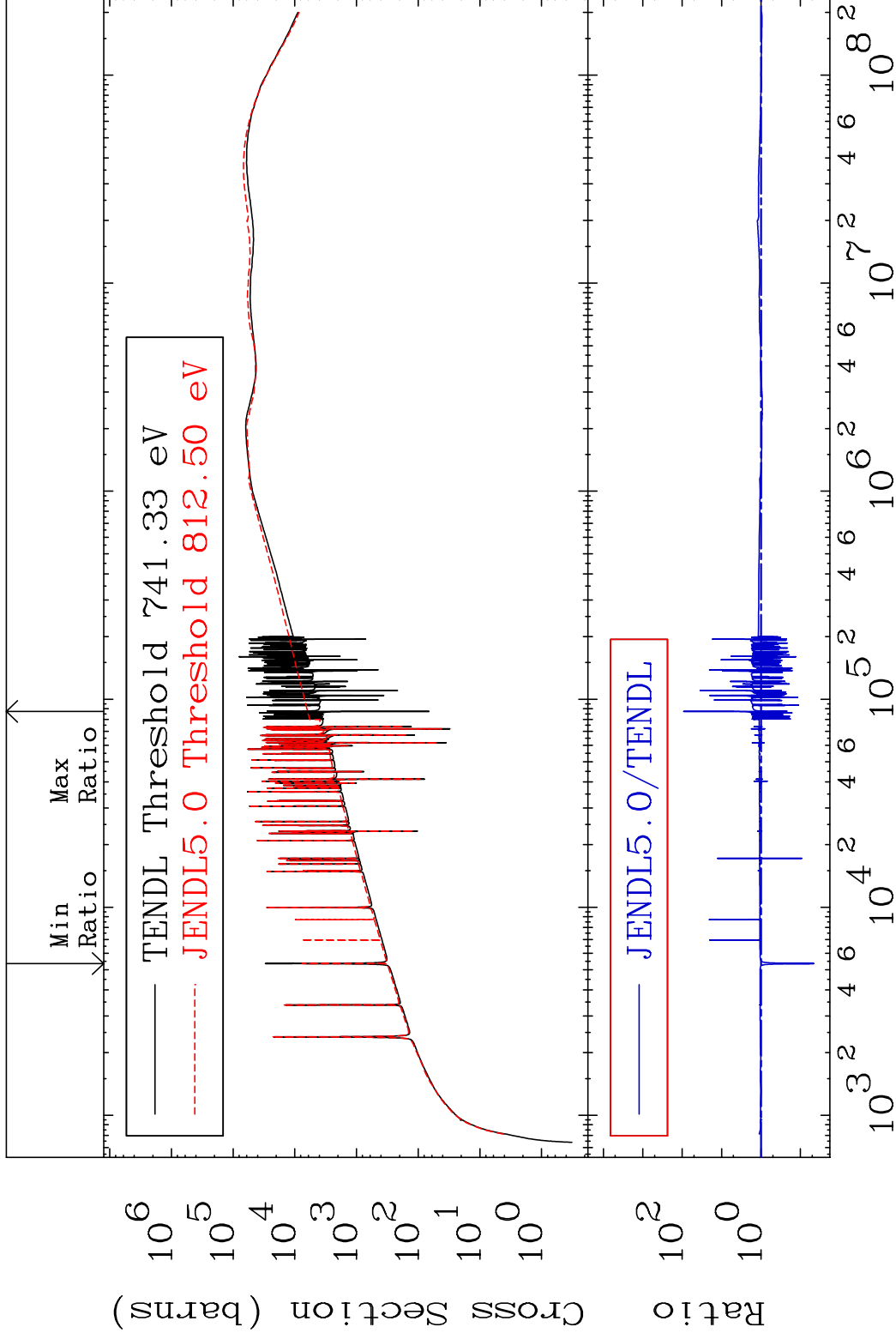
50-Sn-124

MAT 5061

Dpa elastic (mt2)

50-Sn-124

Cross Section -95.48 To 9178. %

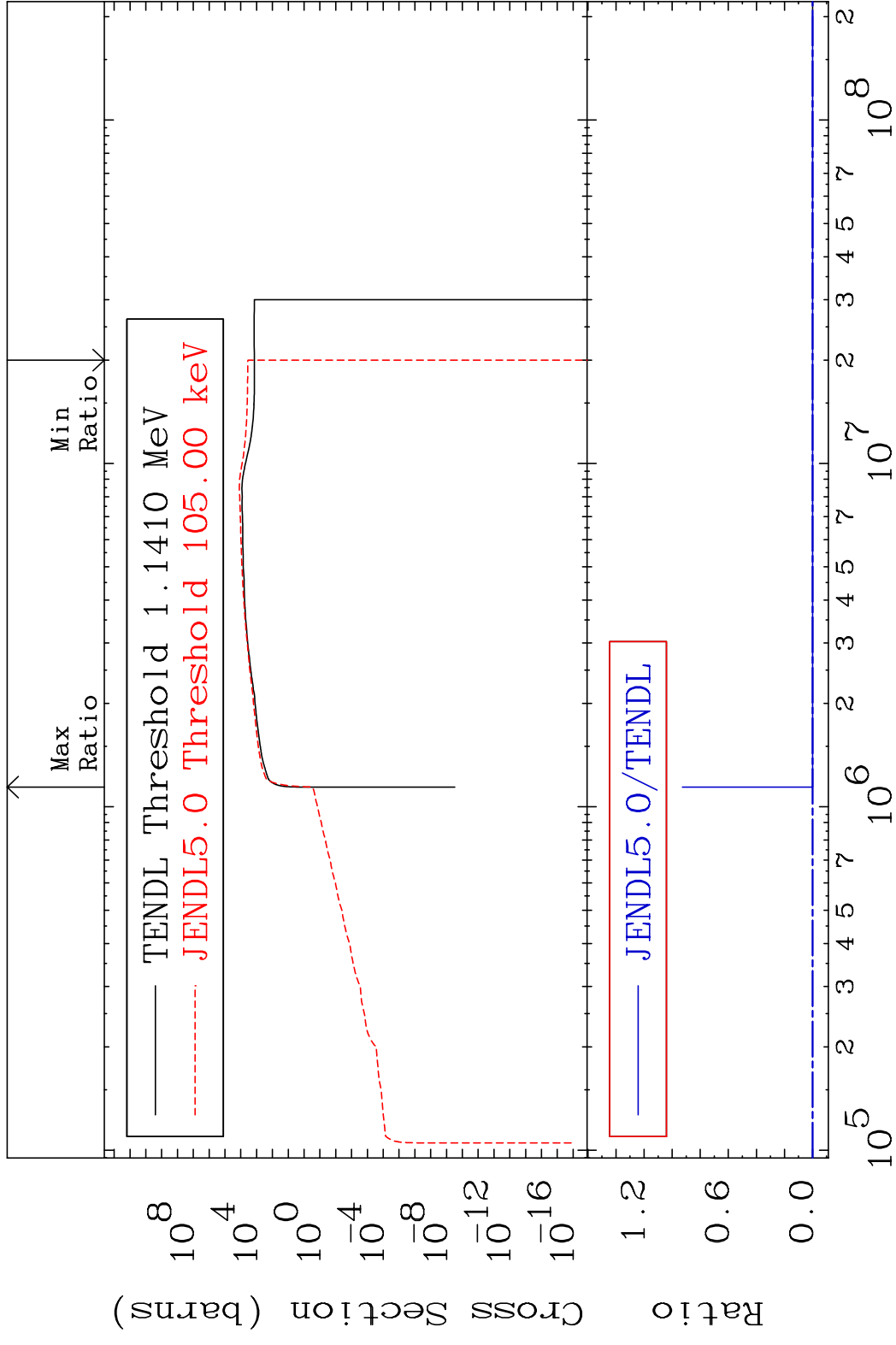


57

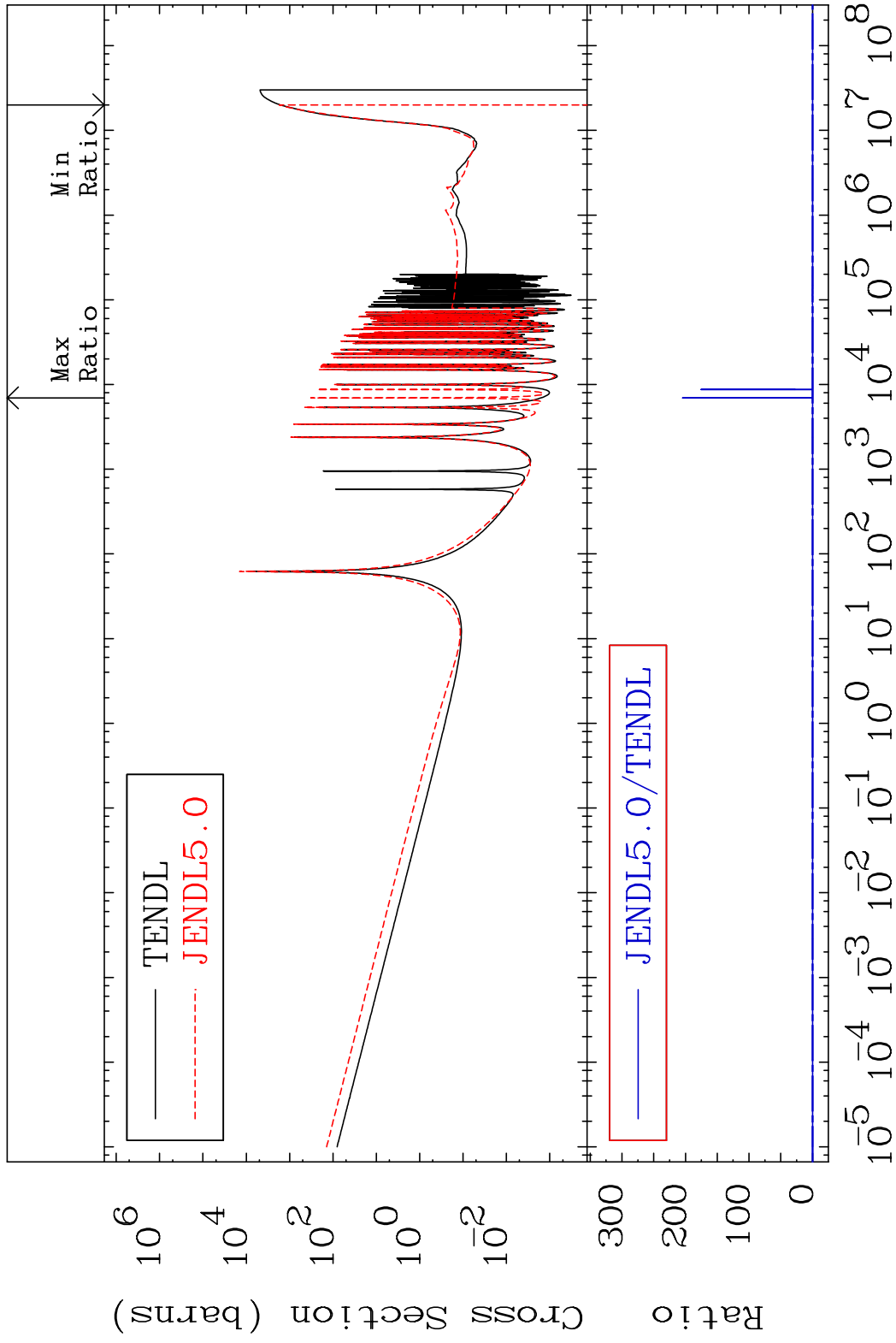
Incident Energy (eV)

50-Sn-124

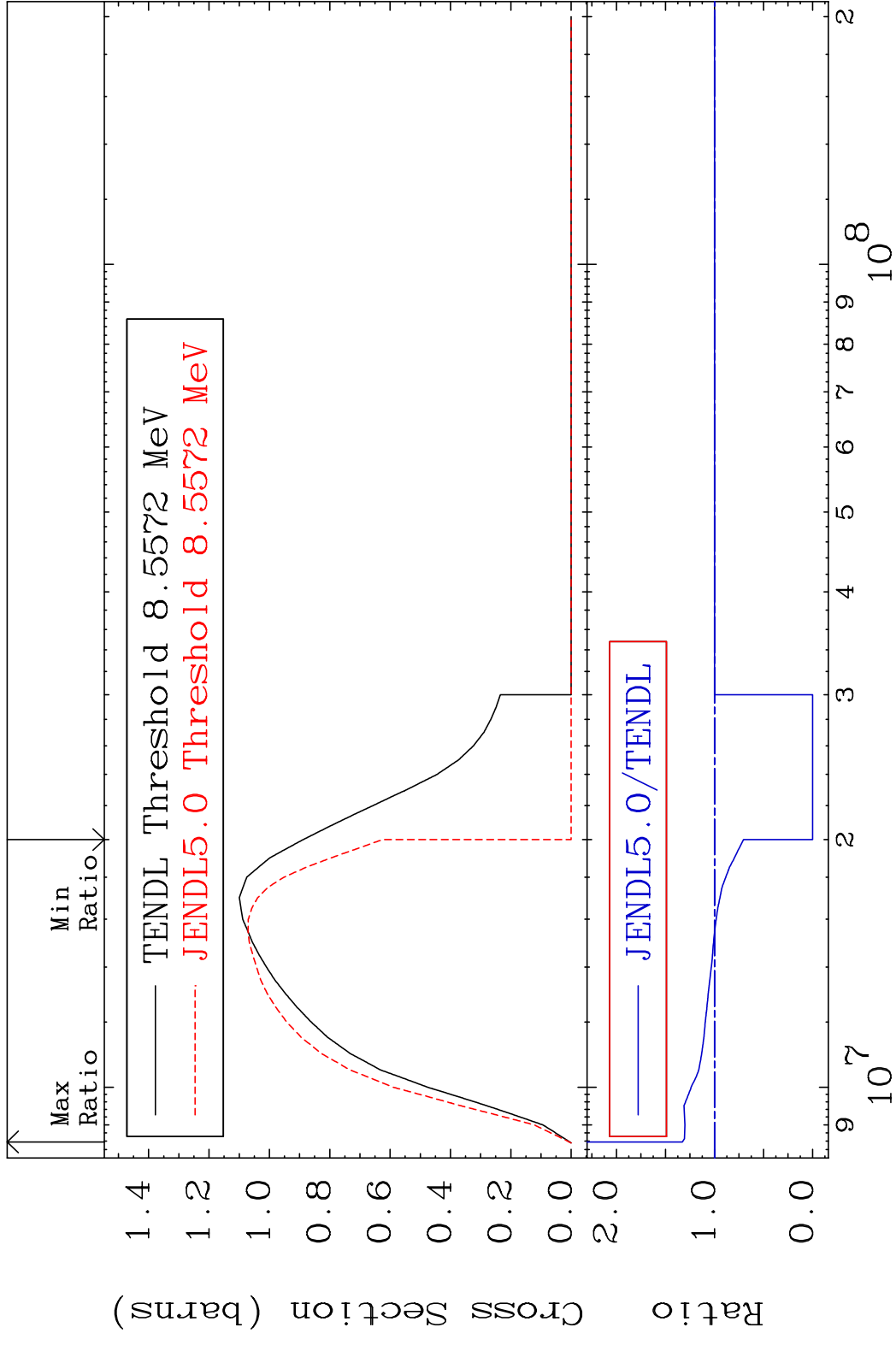
MAT 5061 Dpa inelastic (mt51-91) 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 Dpa disappearance (mt102 -120) 50-Sn-124
 Cross Section -100.0 To 9999. %

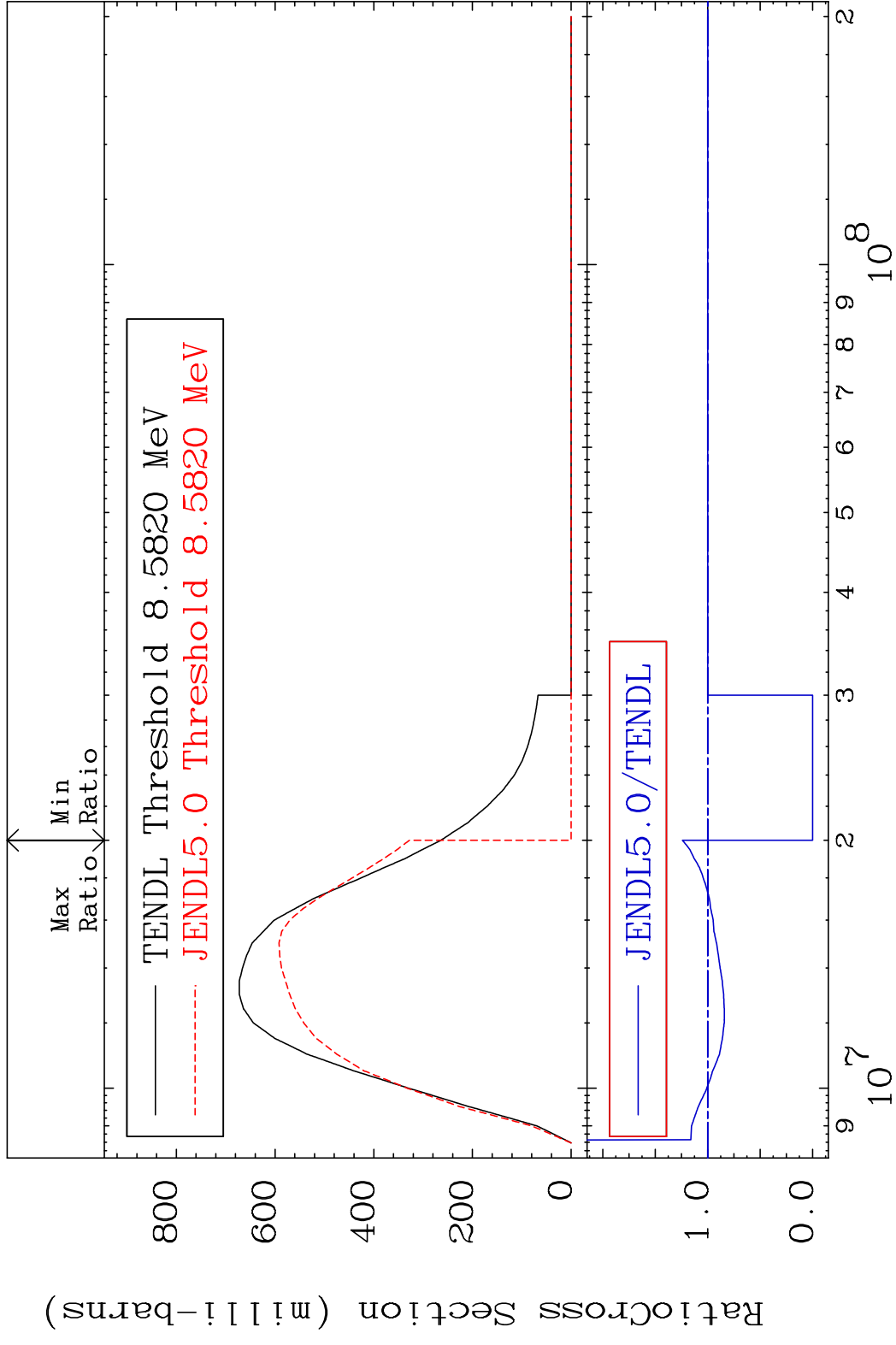


MAT 5061 (n,2n):50-Sn-123g 50-Sn-124
 Radionuclide Production Cross Section 180.01 dth 32.80 %



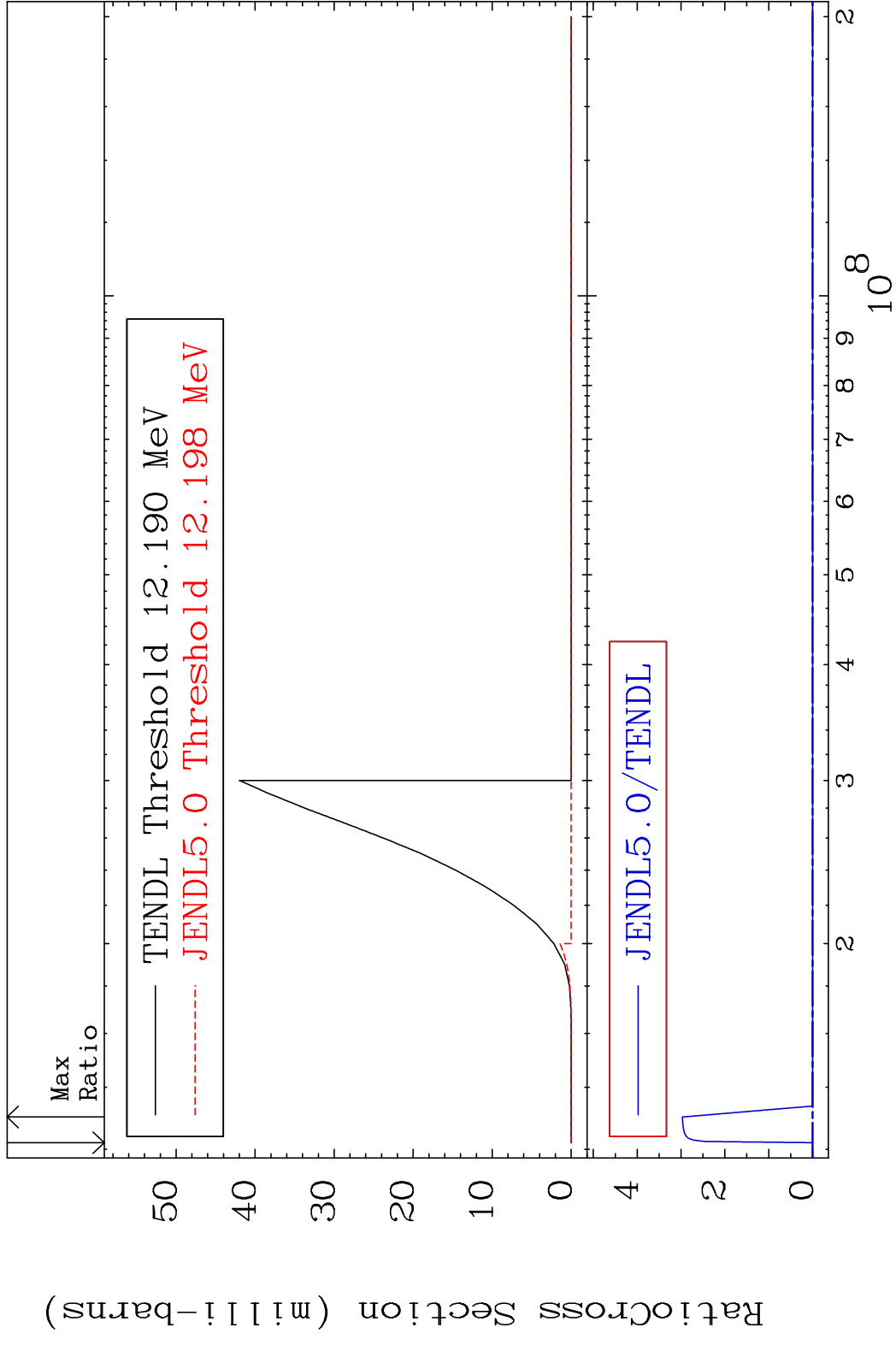
60 50-Sn-124

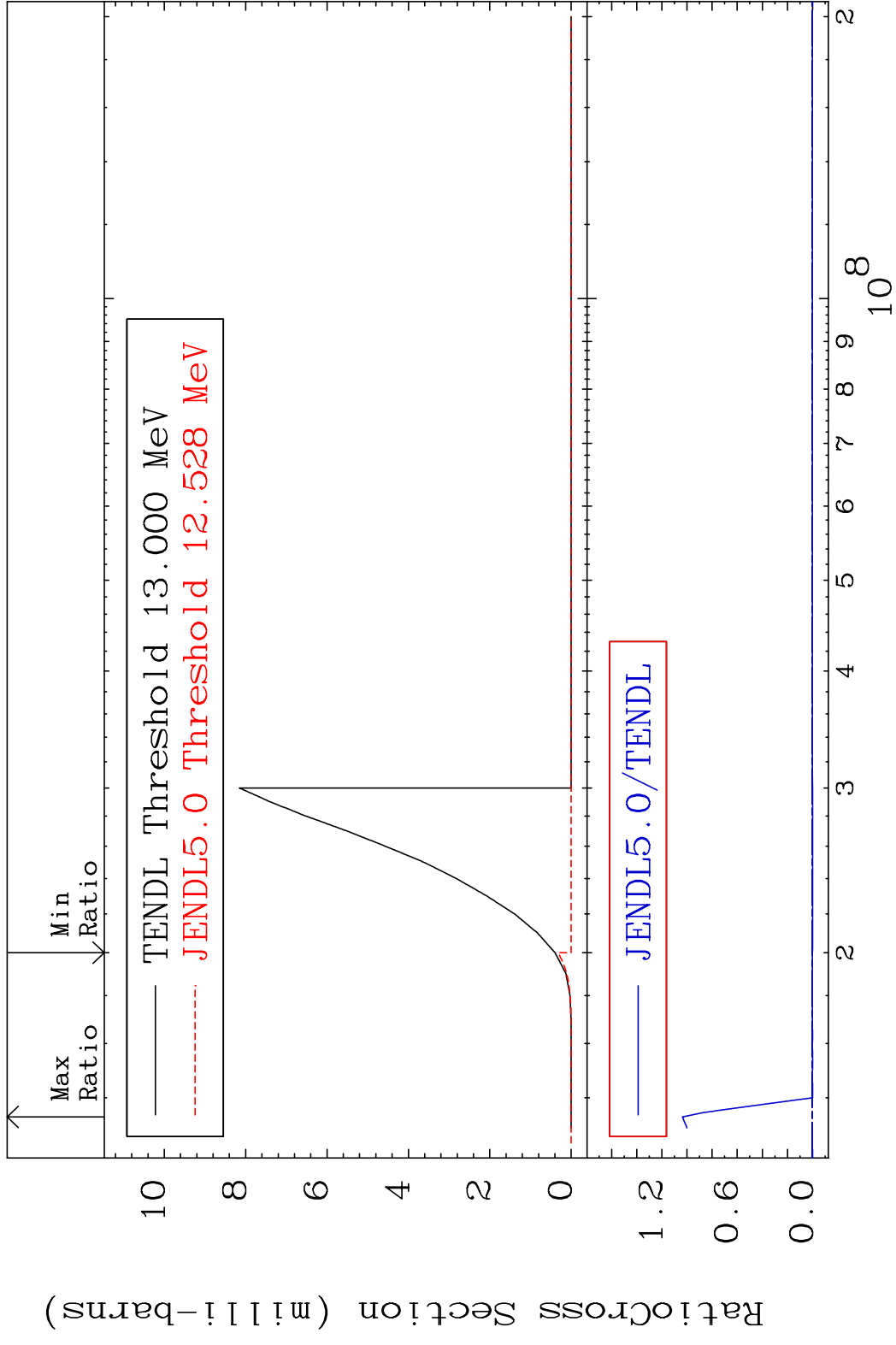
MAT 5061 (n, 2n):50-Sn-123m1 50-Sn-124
 Radionuclide Production Cross Section Ratio 24.13 %



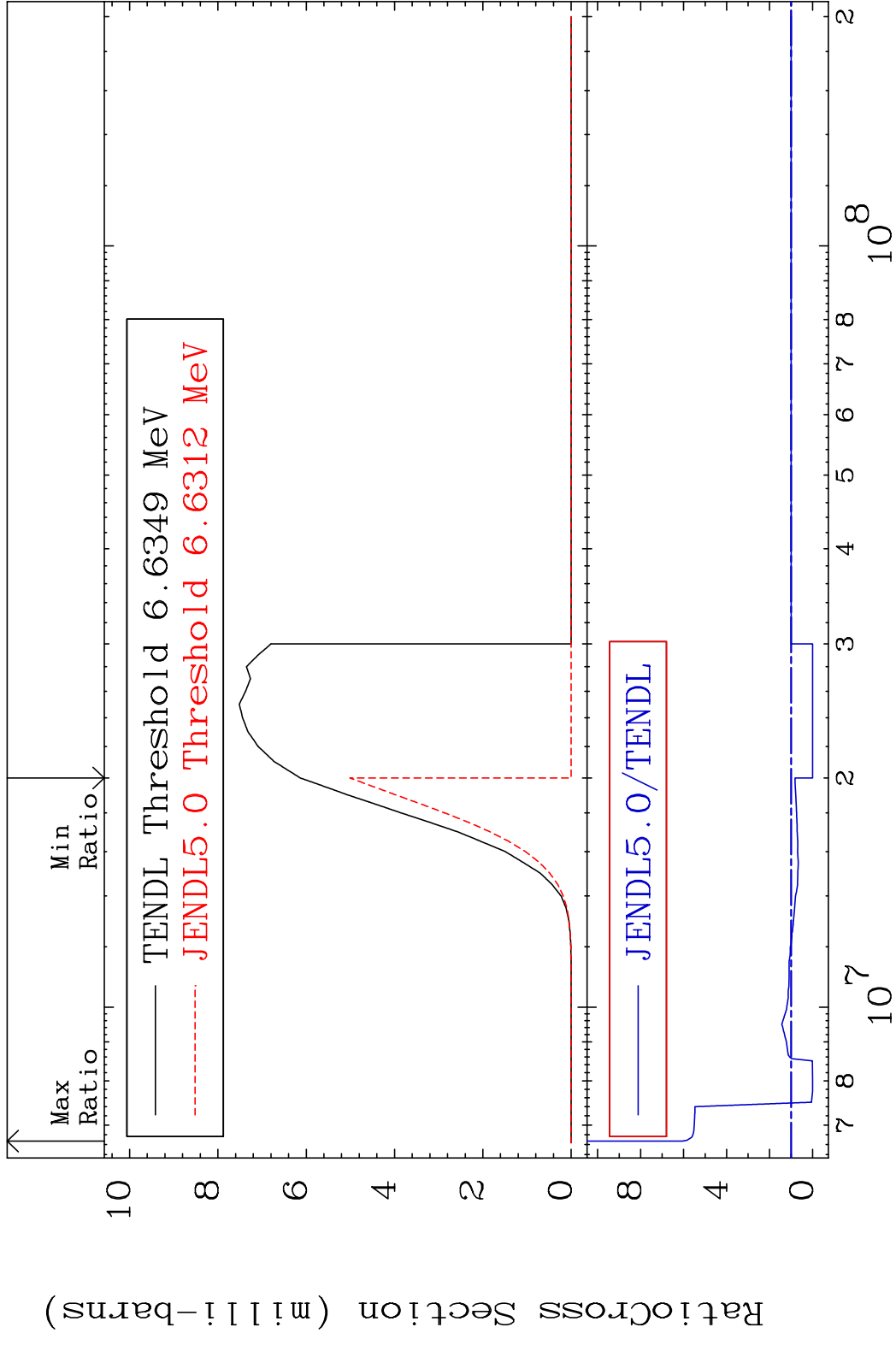
61 Incident Energy (eV) 50-Sn-124

MAT 5061 (n, n') p:49-In-123g 50-Sn-124
 Radionuclide Production Cross Section to 9999. %

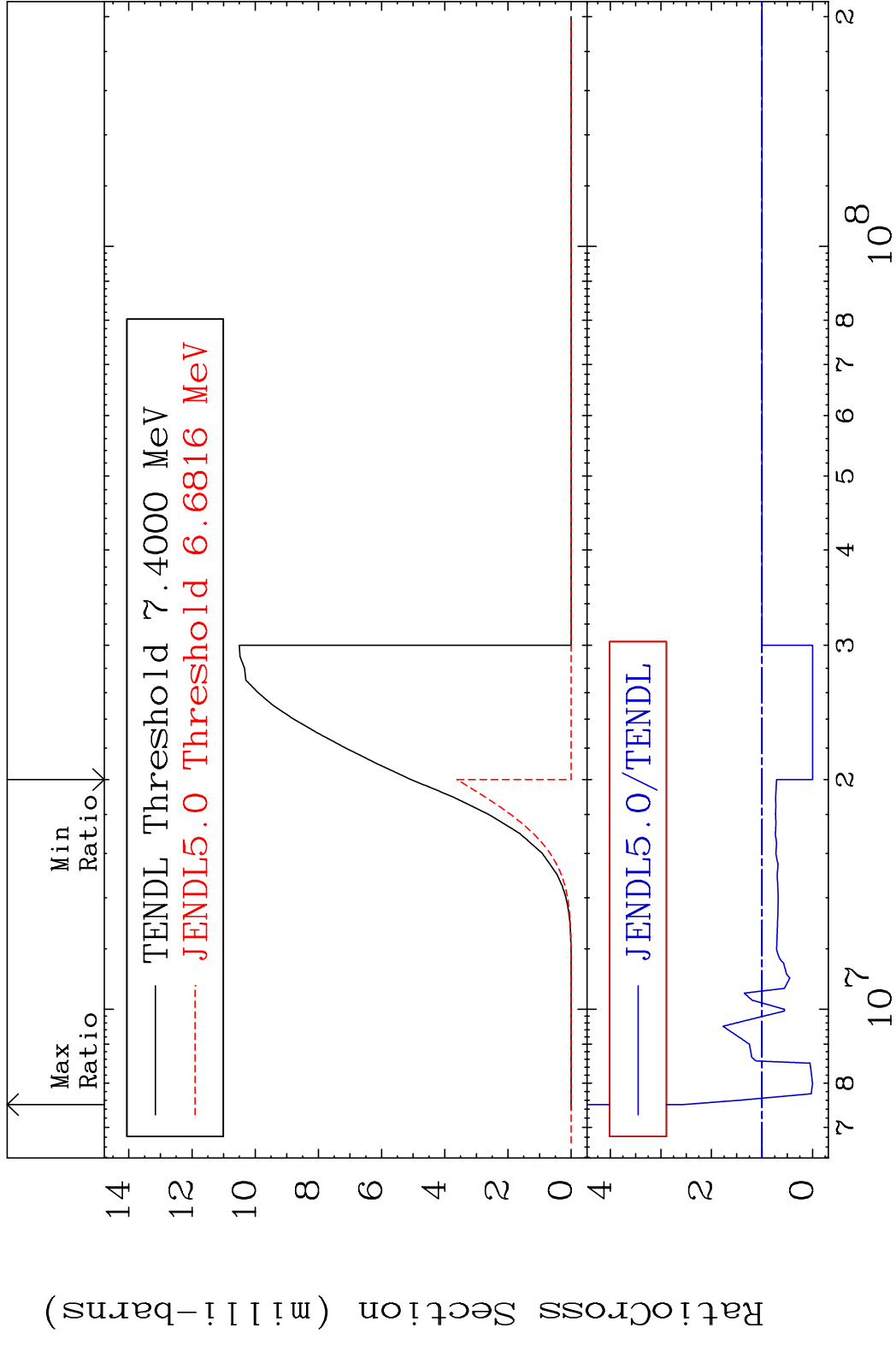




MAT 5061 (n,p):49-In-124g 50-Sn-124
 Radionuclide Production Cross Section 5061.d0 505.9 %

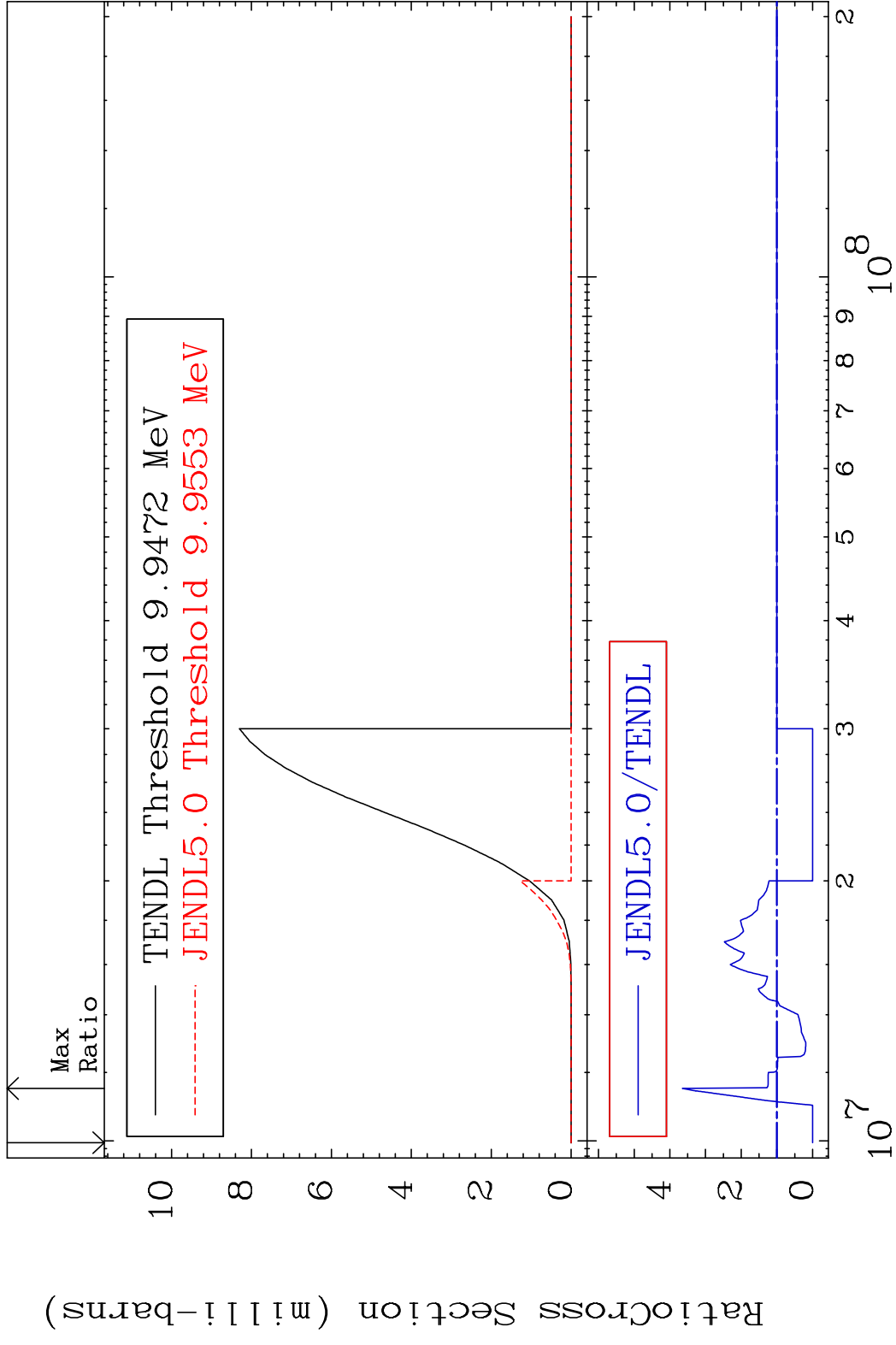


MAT 5061 (n, p): 49-In-124m2 50-Sn-124
 Radionuclide Production Cross Section 157.6 %



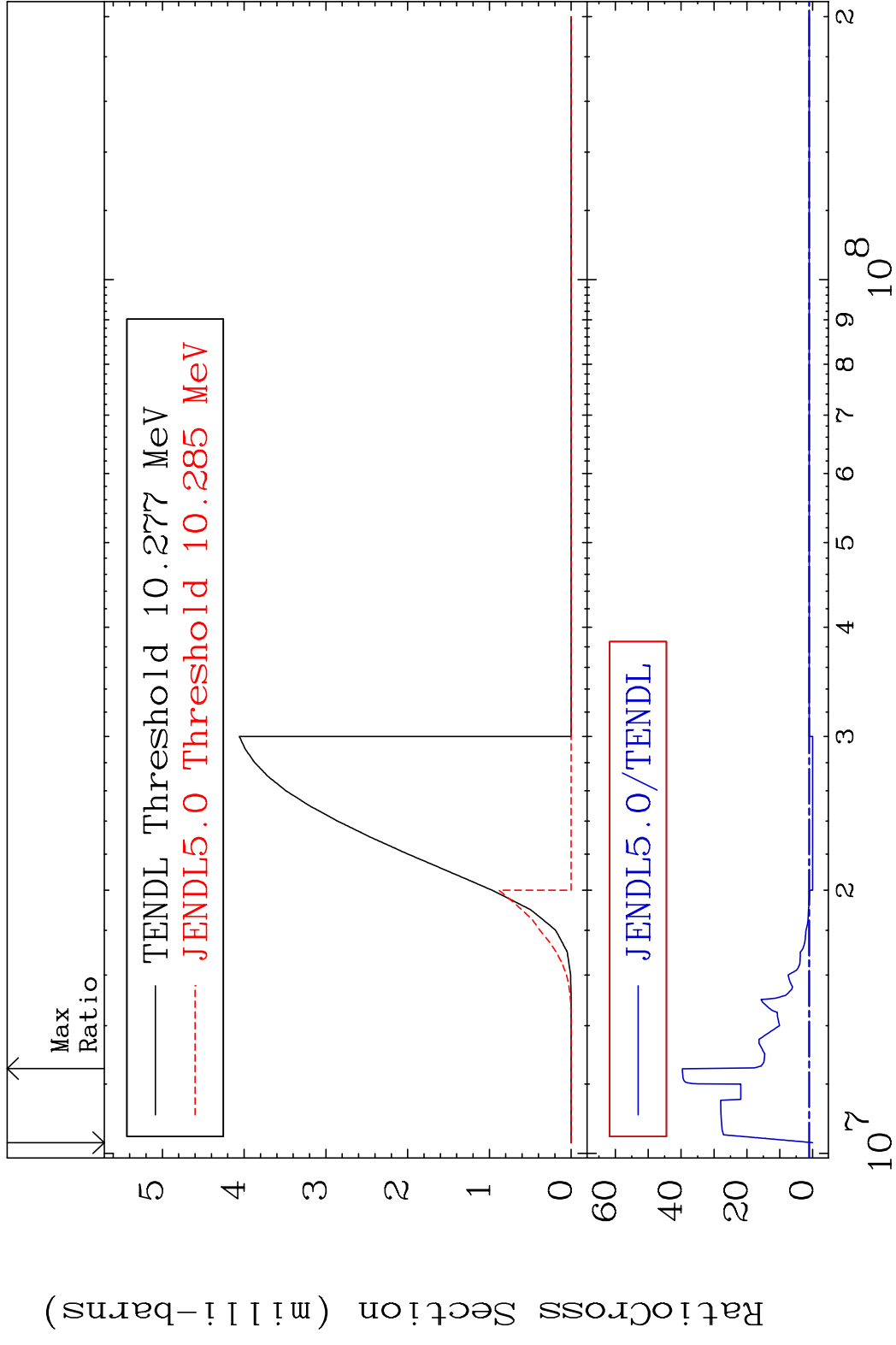
65 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,d):49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 180.0 dth 265.0 %



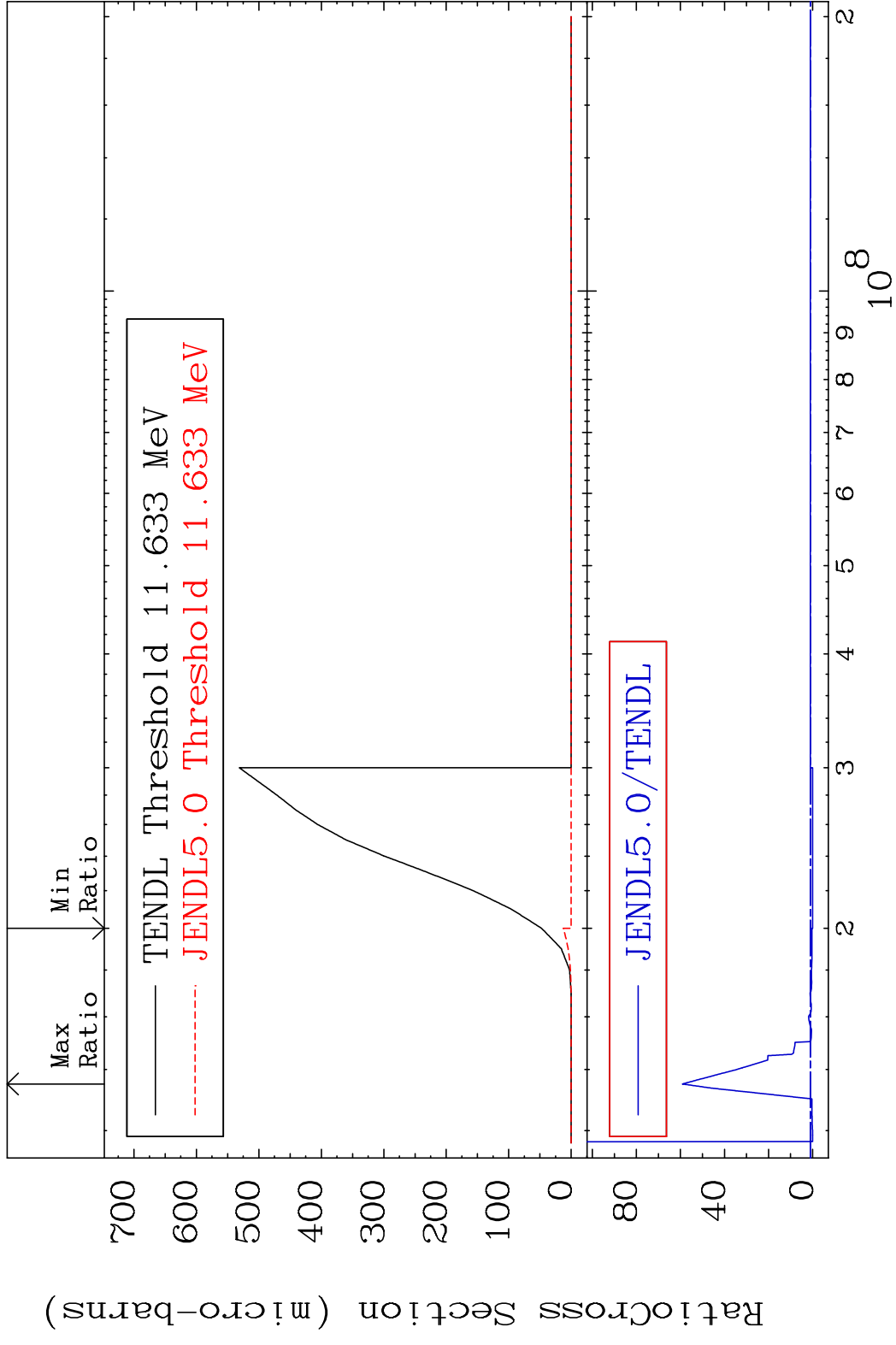
66 50-Sn-124

MAT 5061 (n, d):49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section 180.01 dth 3863. %

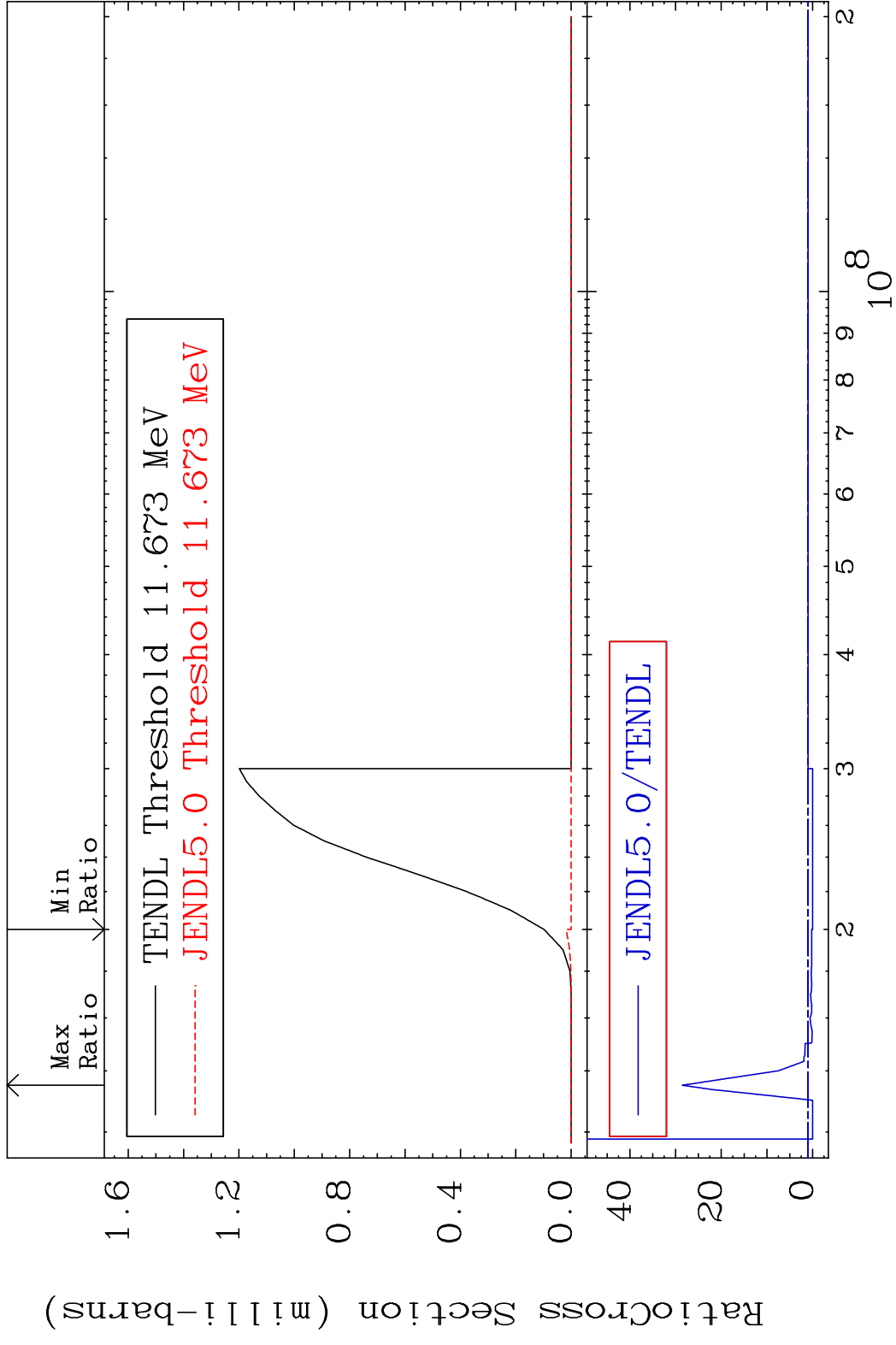


67 Incident Energy (eV) 50-Sn-124

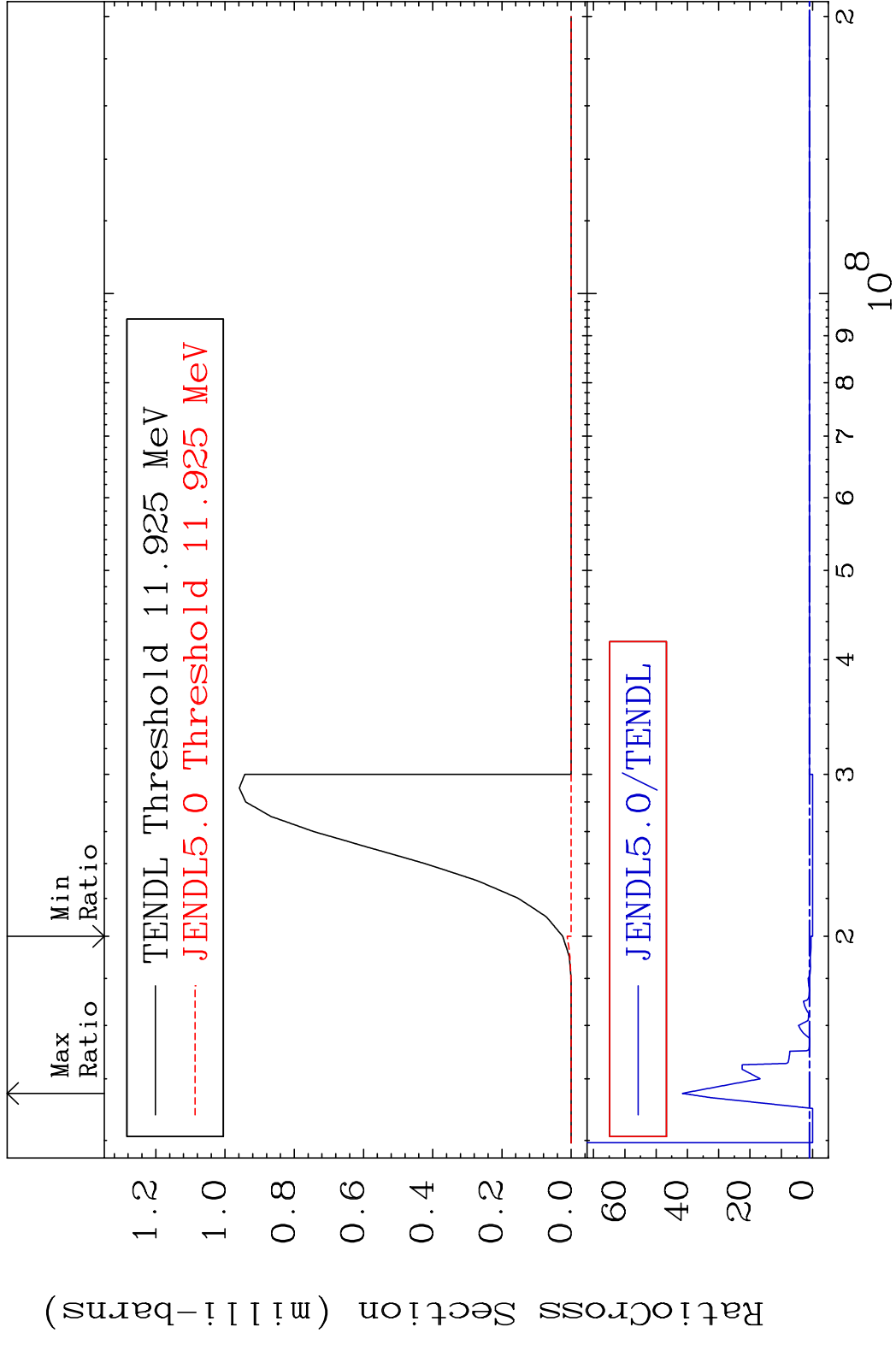
MAT 5061 (n, t): 49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 5812. %



MAT 5061 (n, t): 49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section Ratio 2753. %



MAT 5061 (n, t): 49-In-122m5 50-Sn-124
 Radionuclide Production Cross Section Ratio 4062. %



MAT 5061 (n,α):48-Cd-121g 50-Sn-124
 Radionuclide Production Cross Section 100.00 dth 9999. %

