

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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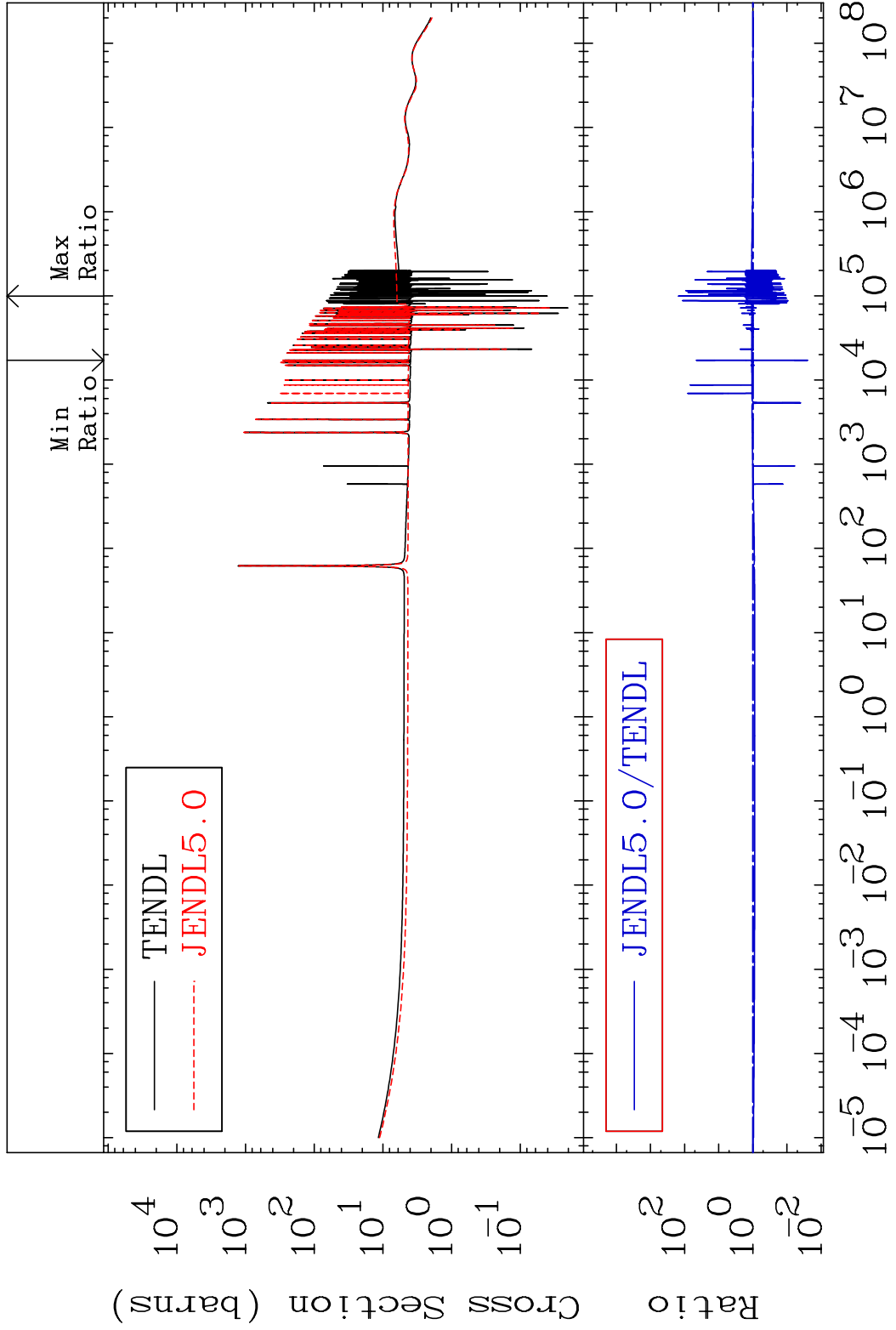
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5061 Total 50-Sn-124
 Cross Section -97.53 To 9999. %



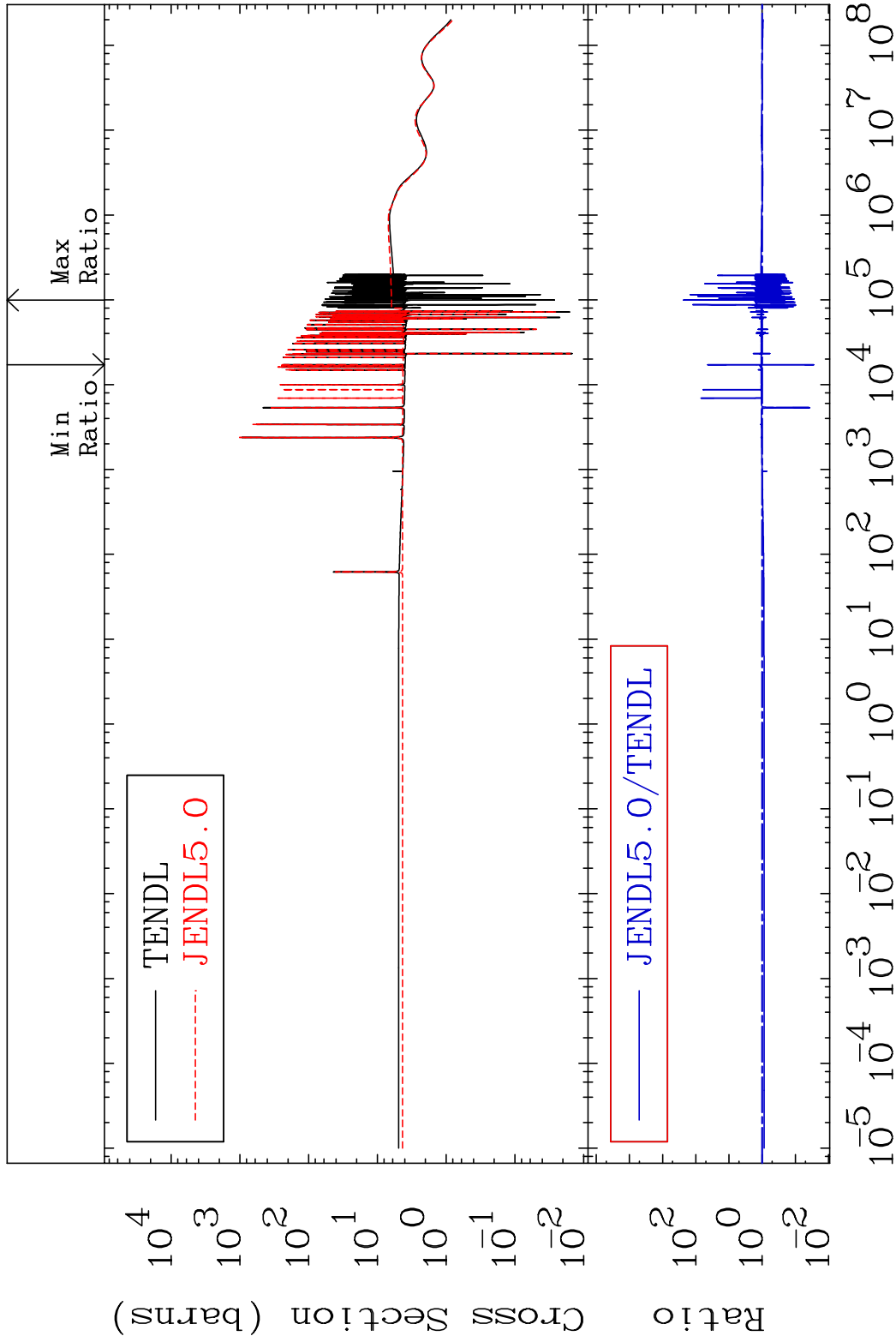
1 Incident Energy (eV) 50-Sn-124

MAT 5061

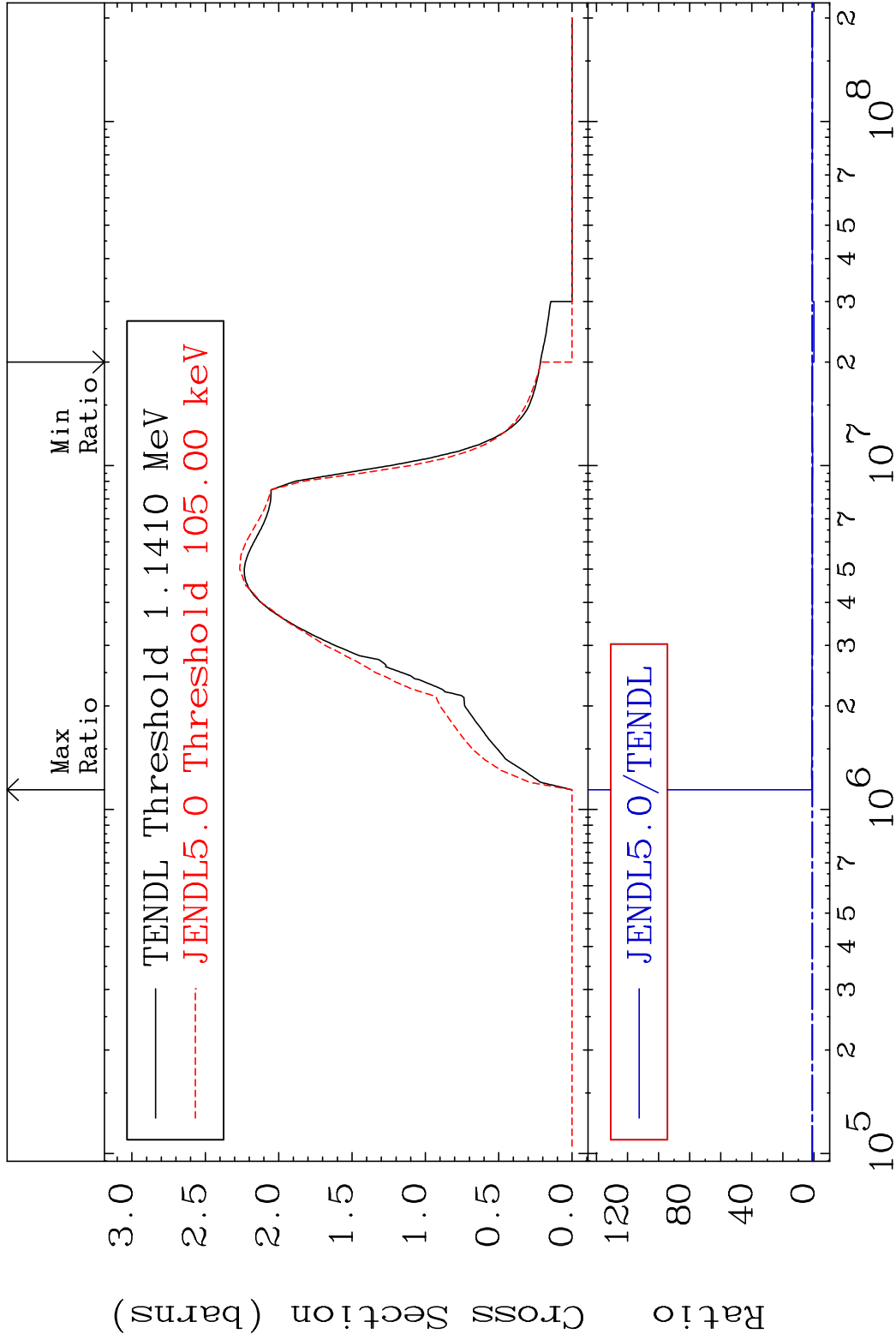
Elastic

50-Sn-124

Cross Section -97.23 To 9999. %

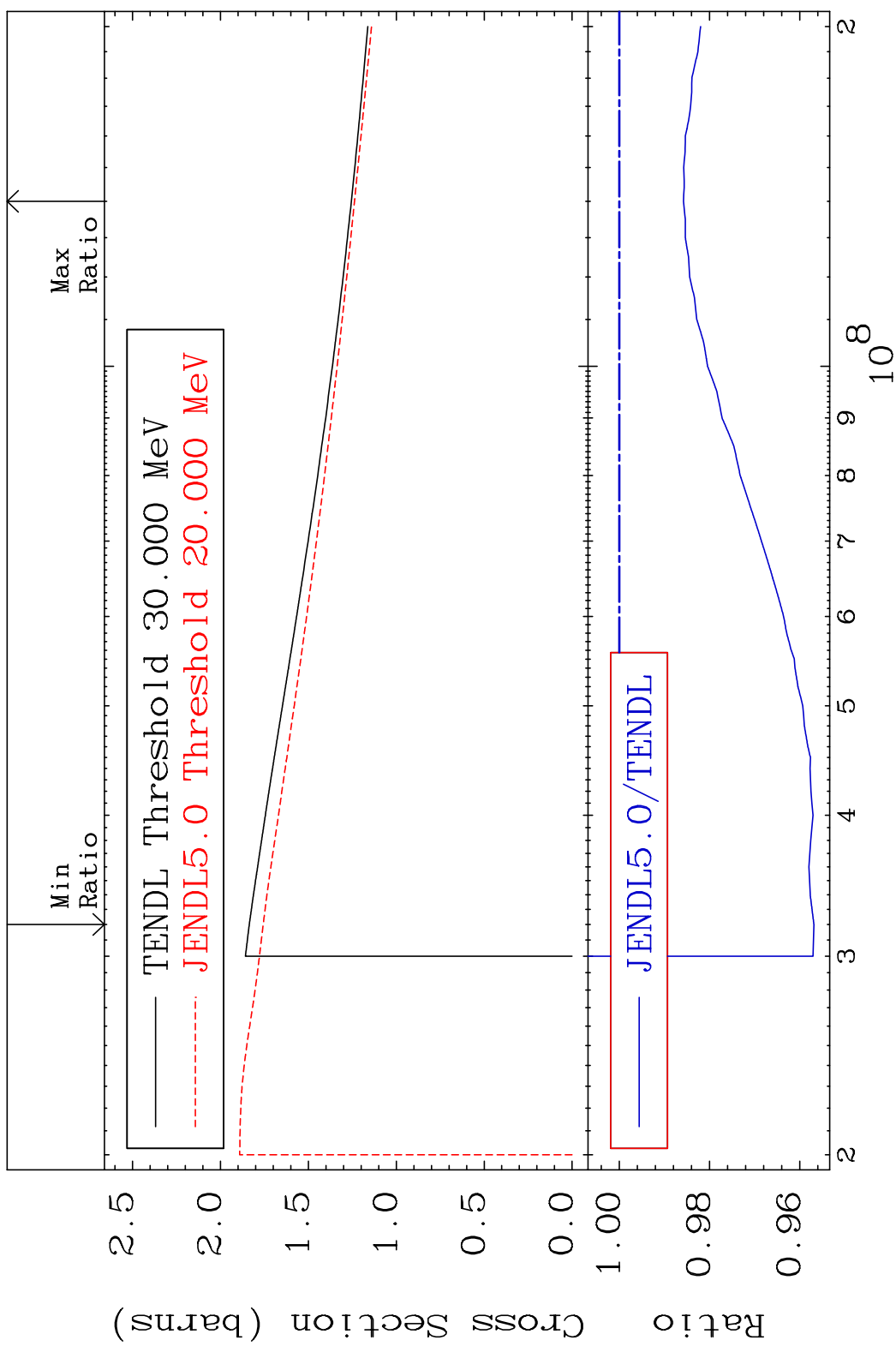


MAT 5061 Inelastic Cross Section -100.0 To 8302. % 50-Sn-124



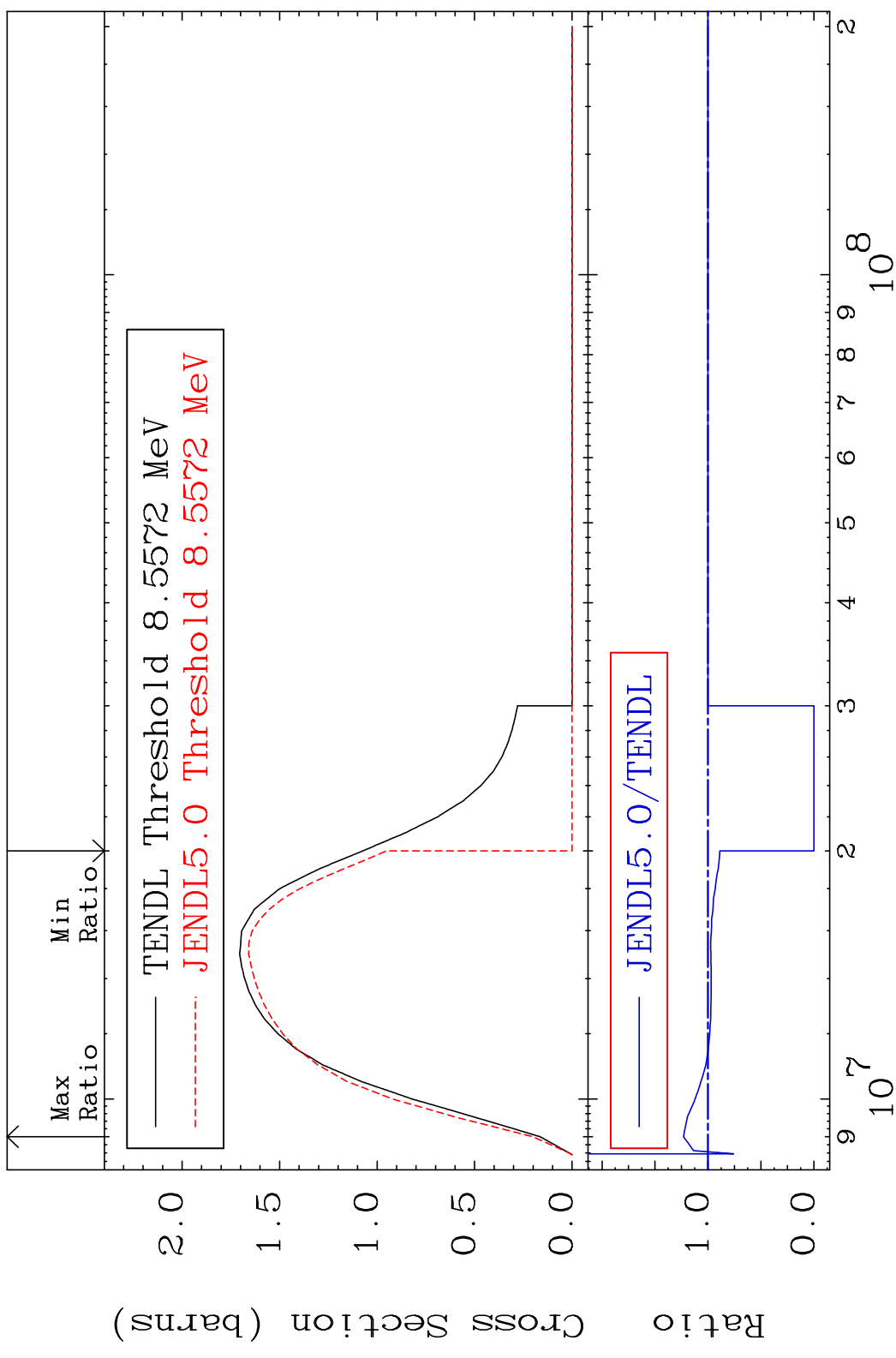
3 Incident Energy (eV) 50-Sn-124

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



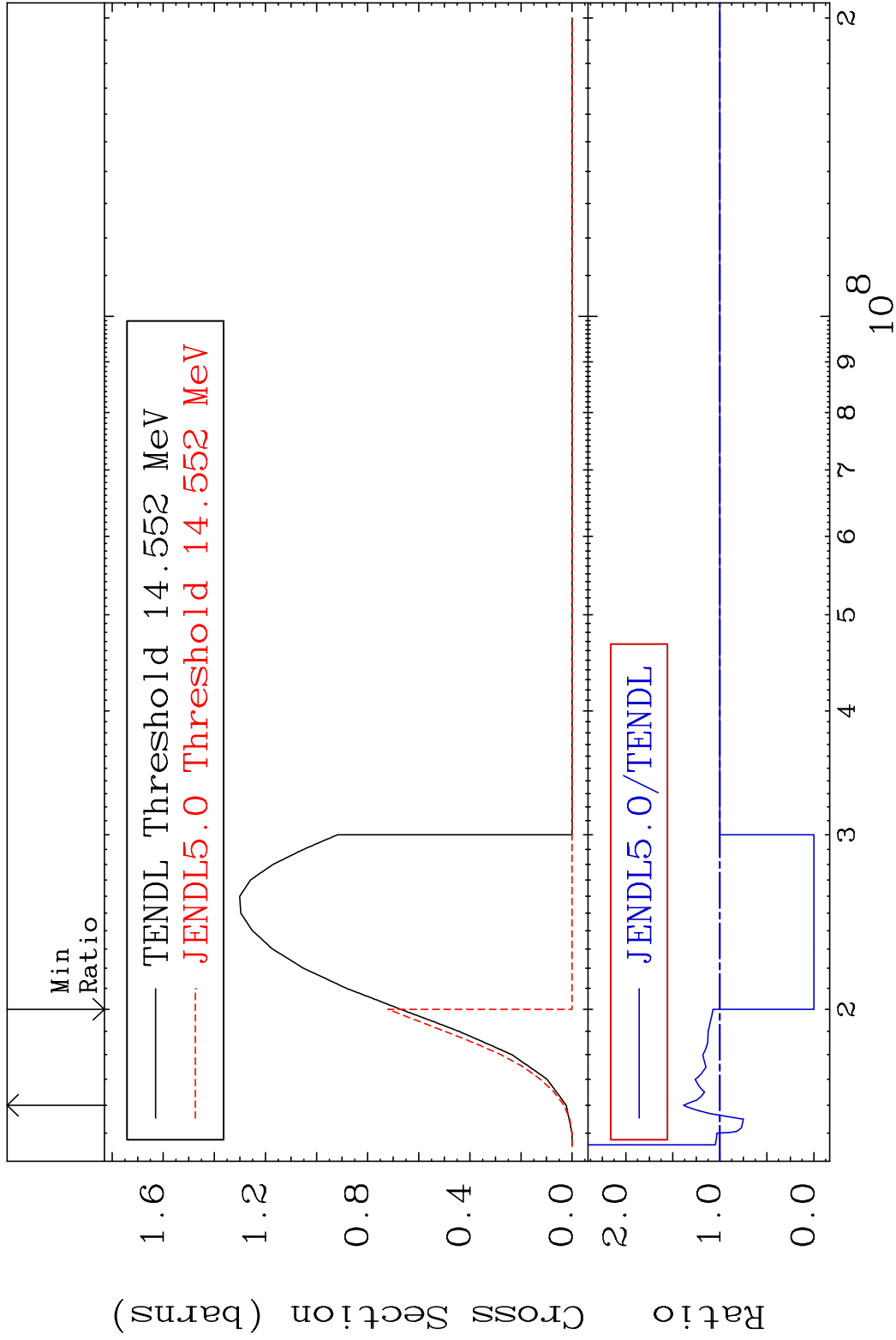
4 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,2n) 50-Sn-124
 Cross Section -100.0 To 23.14 %

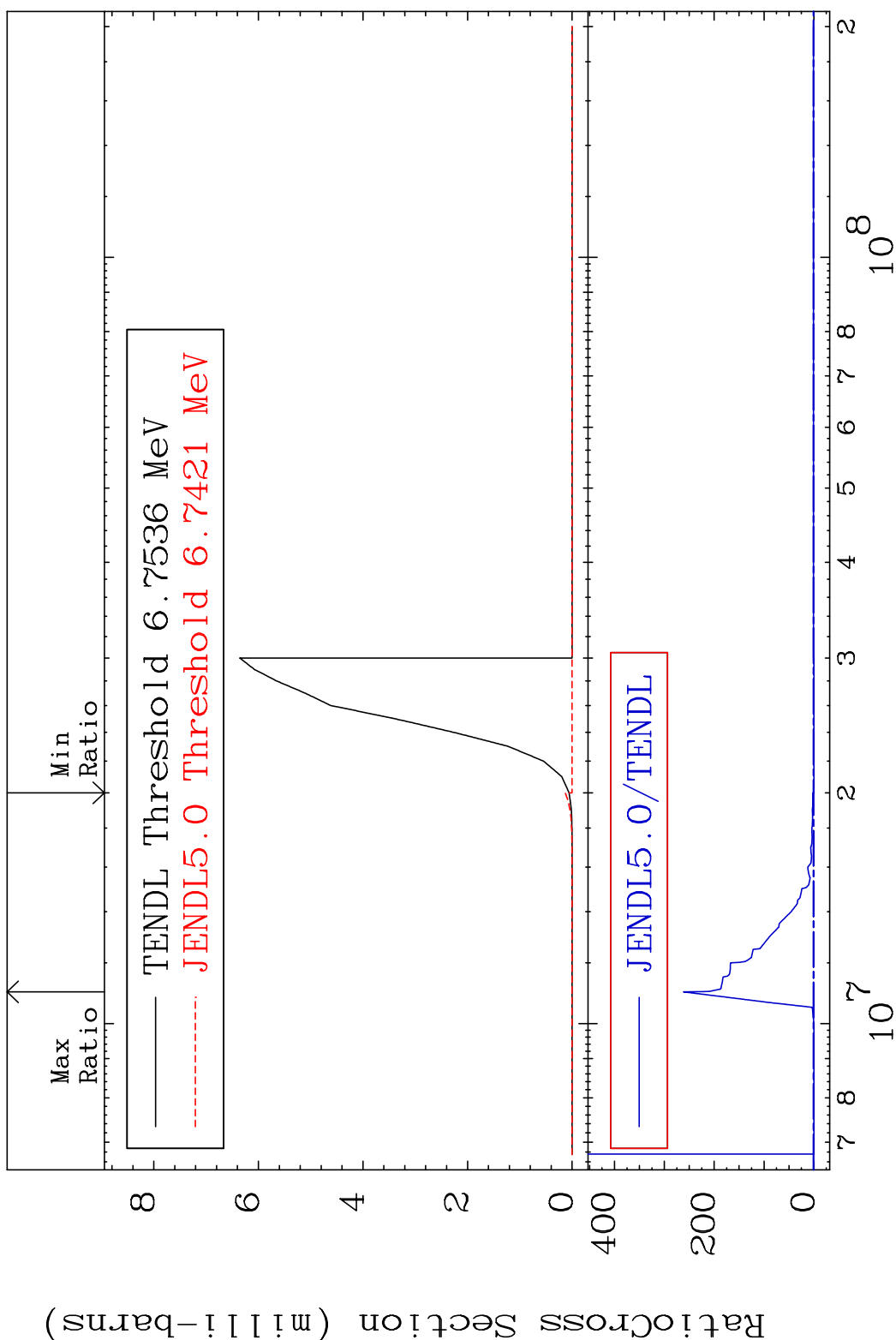


5 10⁷ 10⁸ 50-Sn-124

MAT 5061 (n,3n) 50-Sn-124
 Cross Section -100.0 To 38.74 %

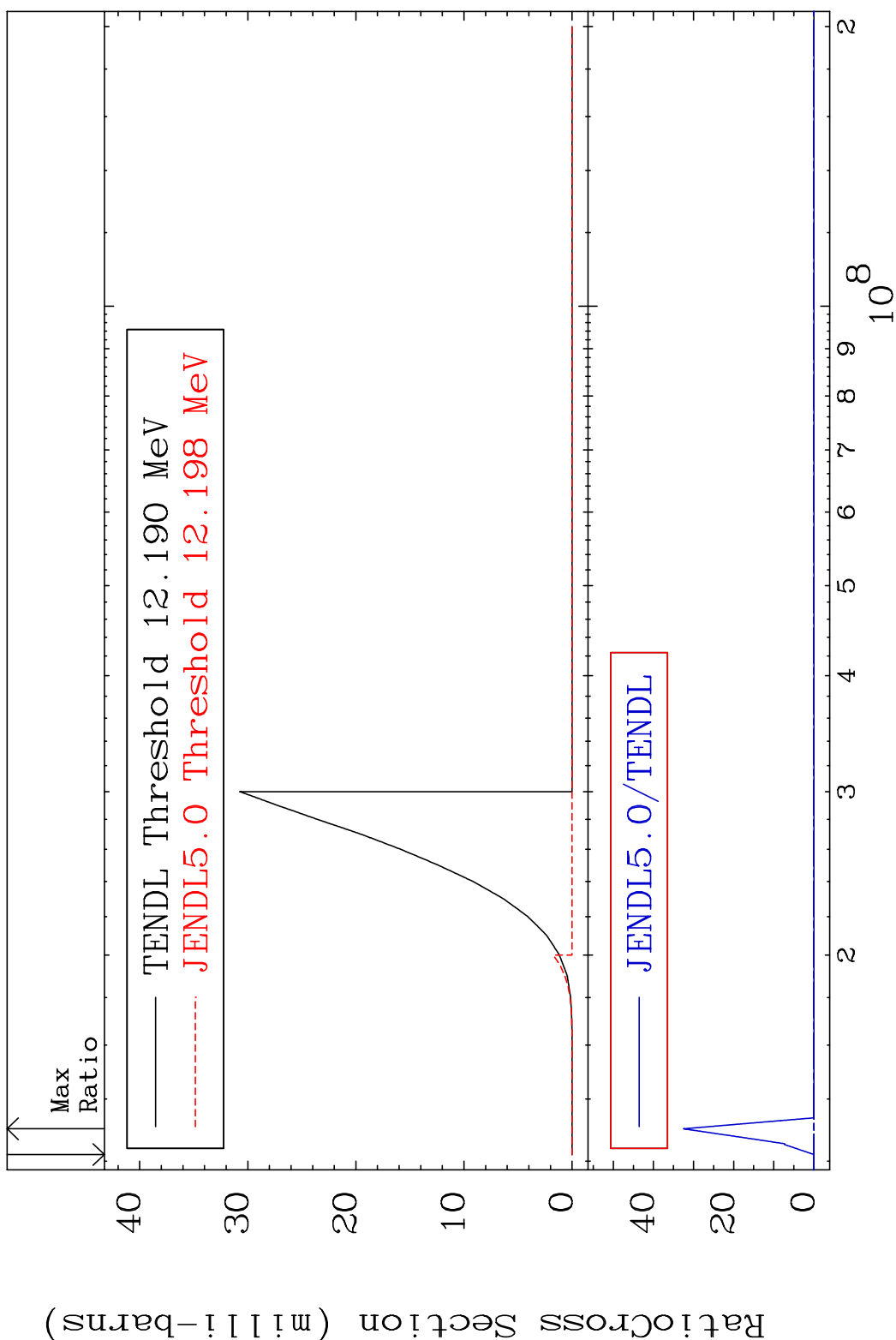


MAT 5061 (n, n') α 50-Sn-124
 Cross Section -100.0 To 9999. %



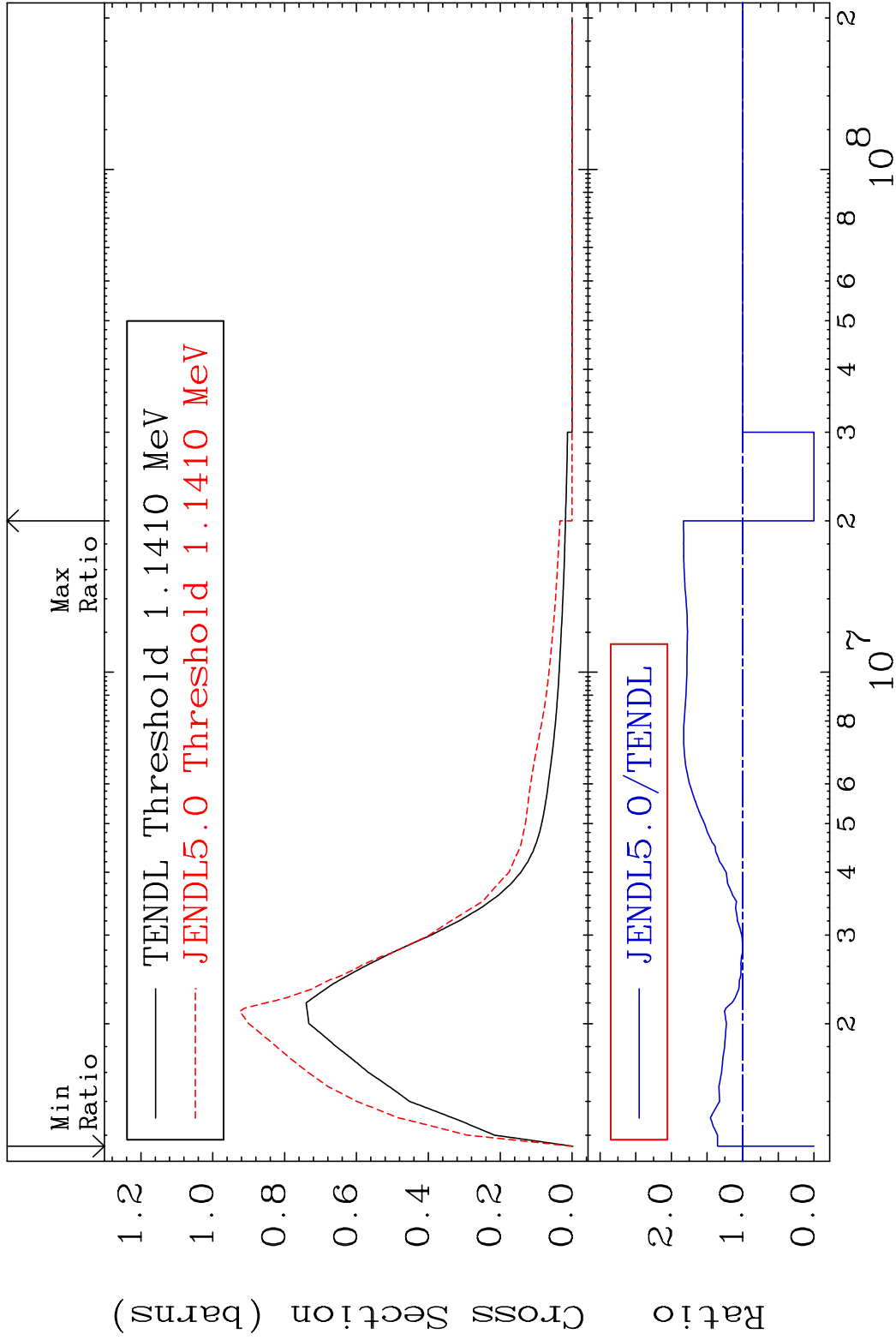
7 8 7 8 10⁷ 10⁸ 2

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

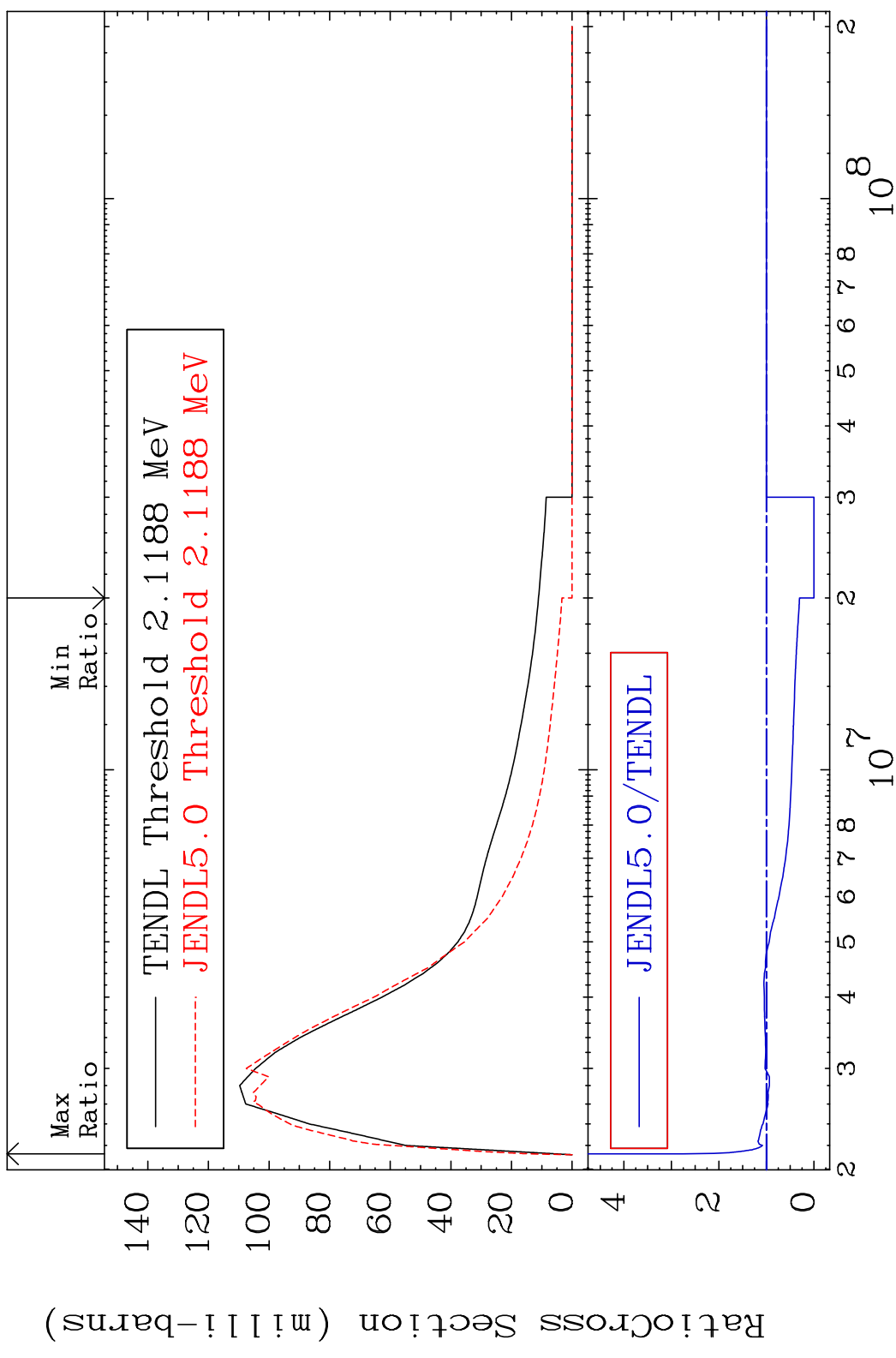


8 Incident Energy (eV) 50-Sn-124

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

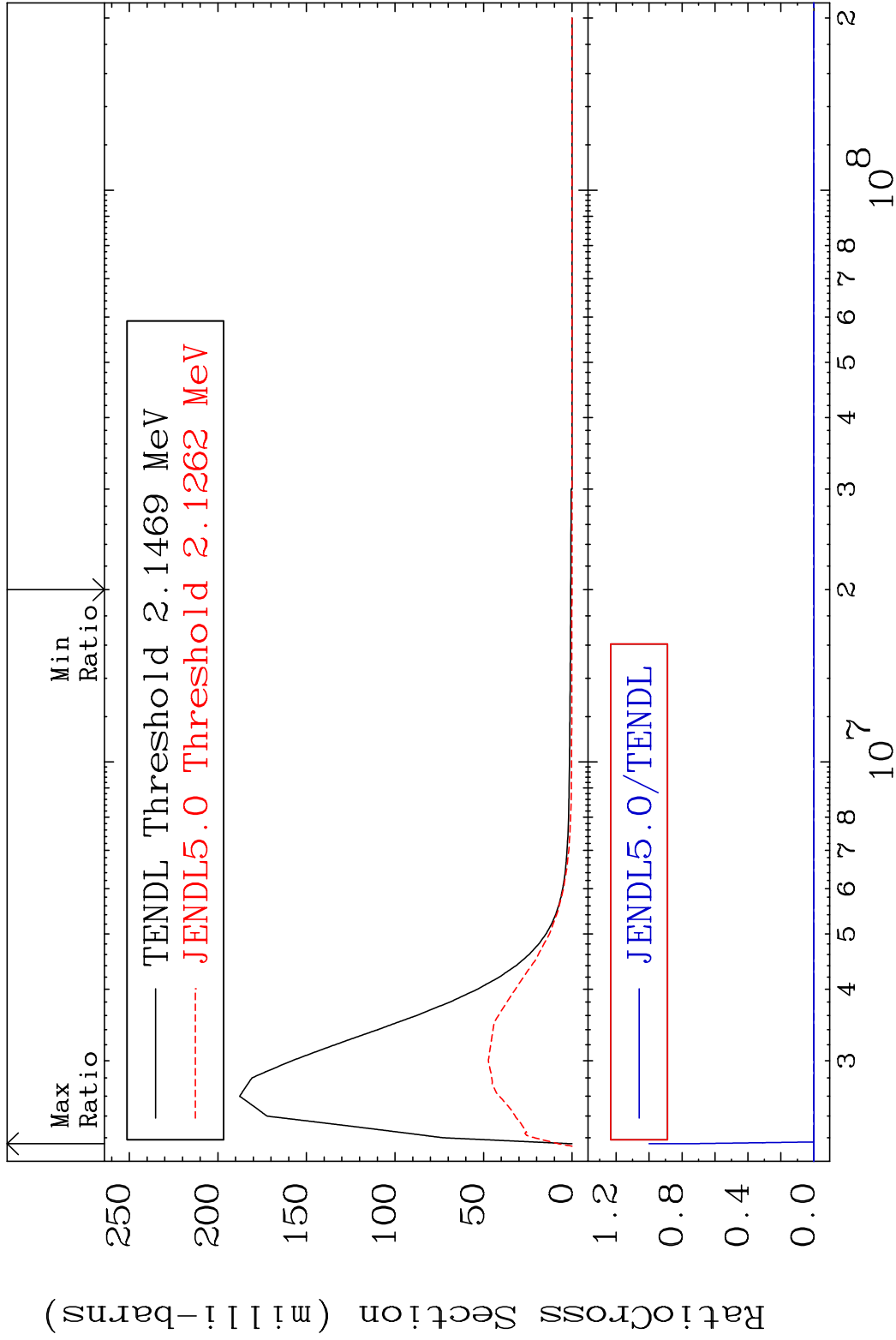


MAT 5061 MT= 52 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 174.7 %



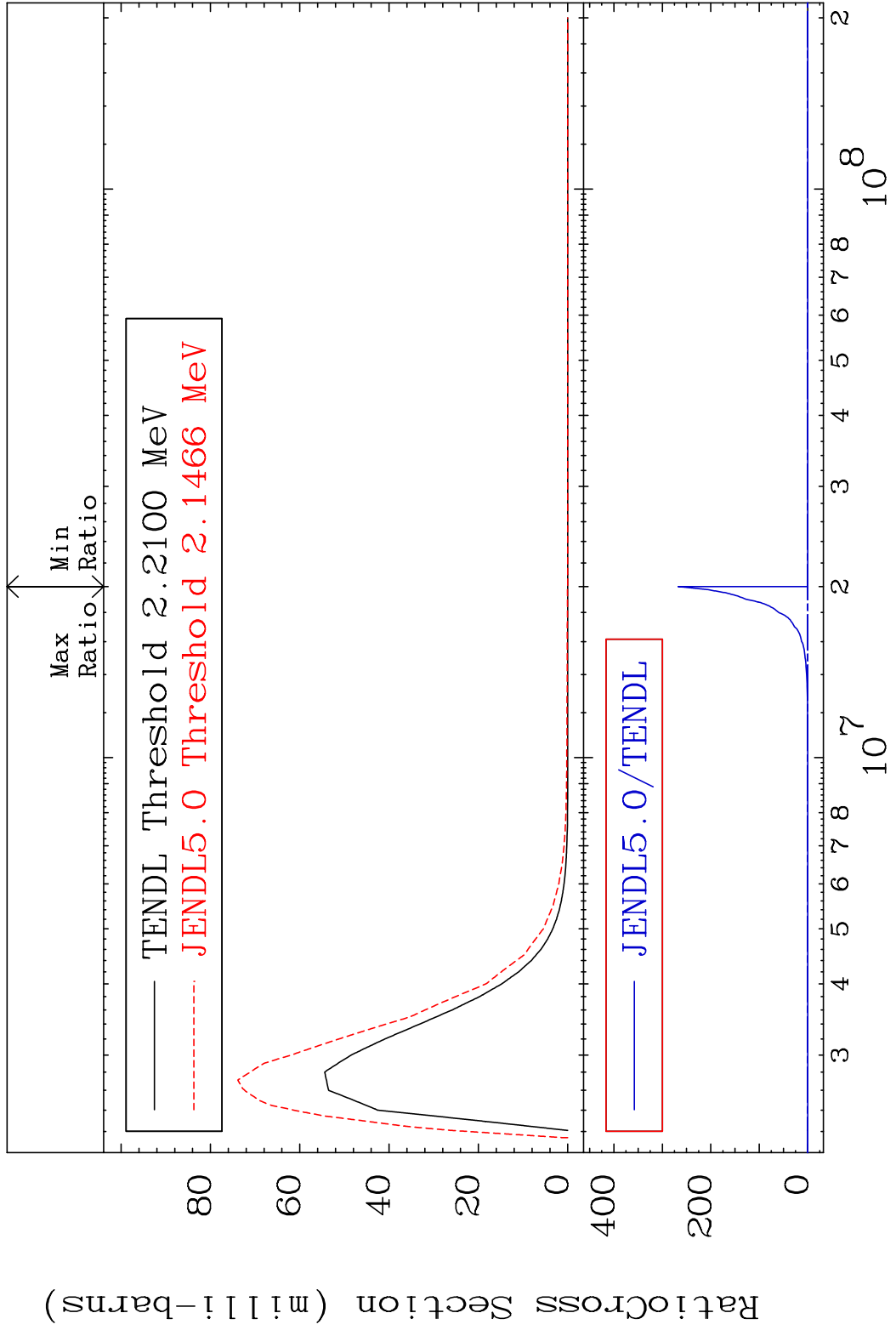
10 Incident Energy (eV) 50-Sn-124

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



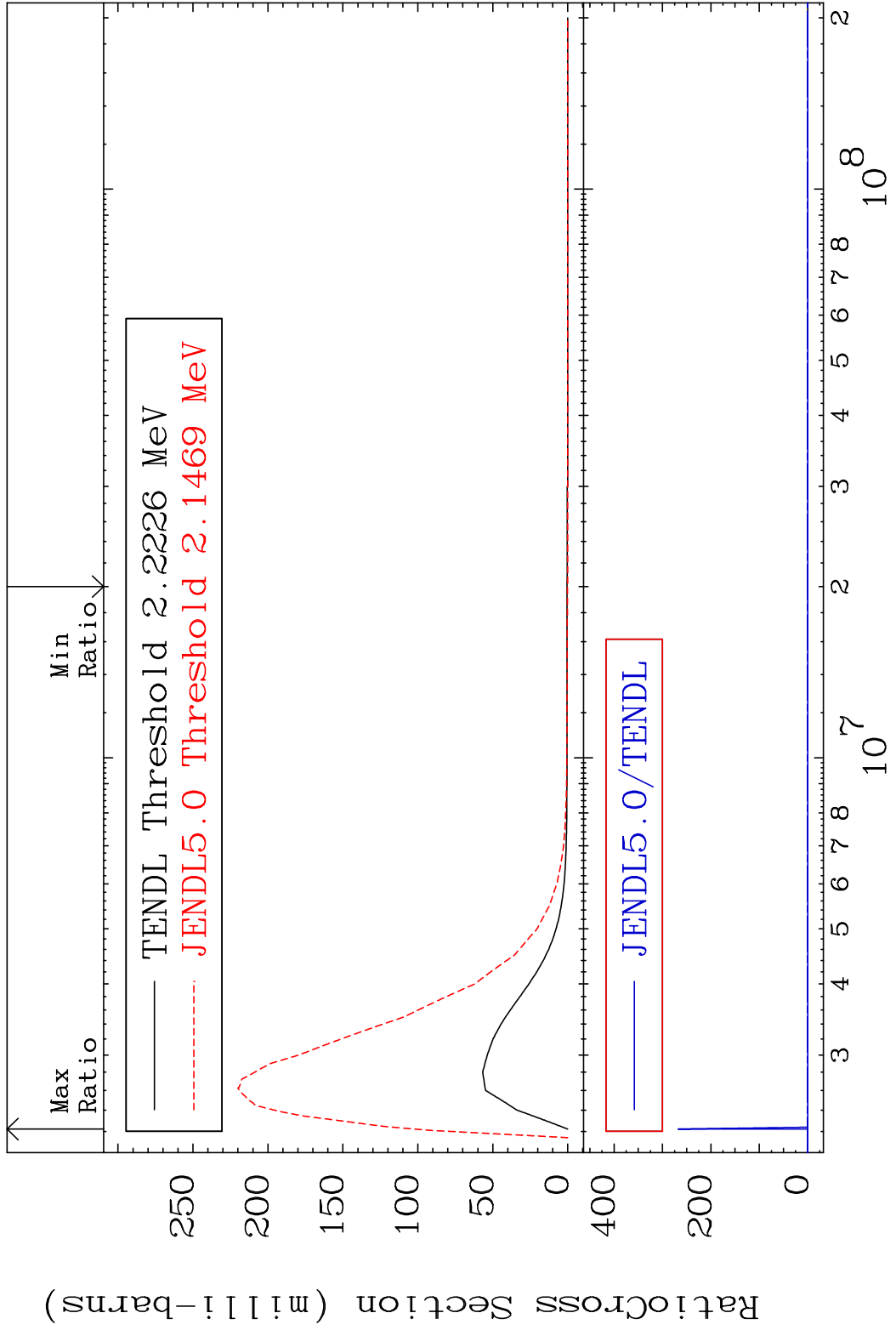
11 Incident Energy (eV) 50-Sn-124

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



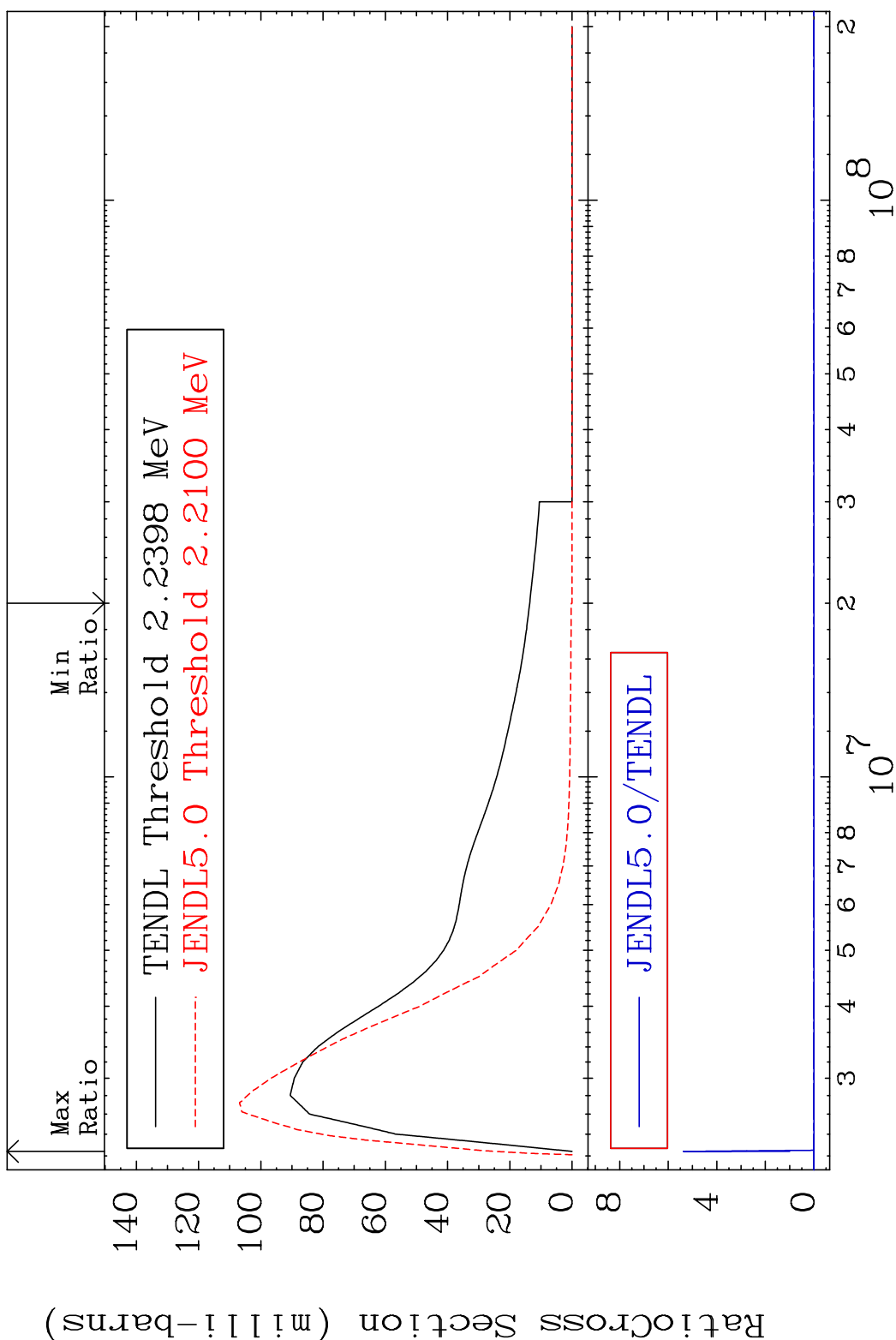
12 50-Sn-124

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



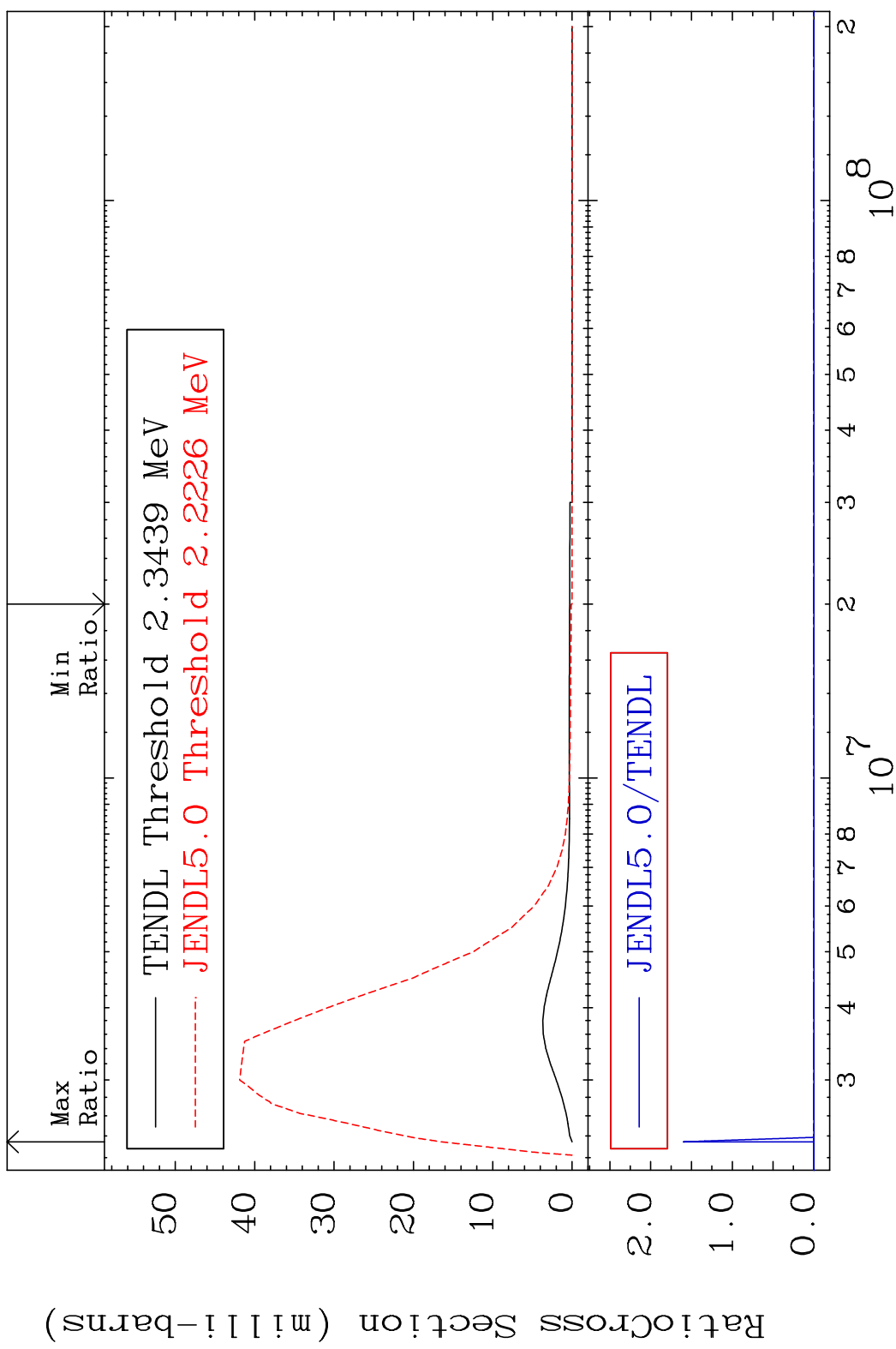
13 Incident Energy (eV) 50-Sn-124

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



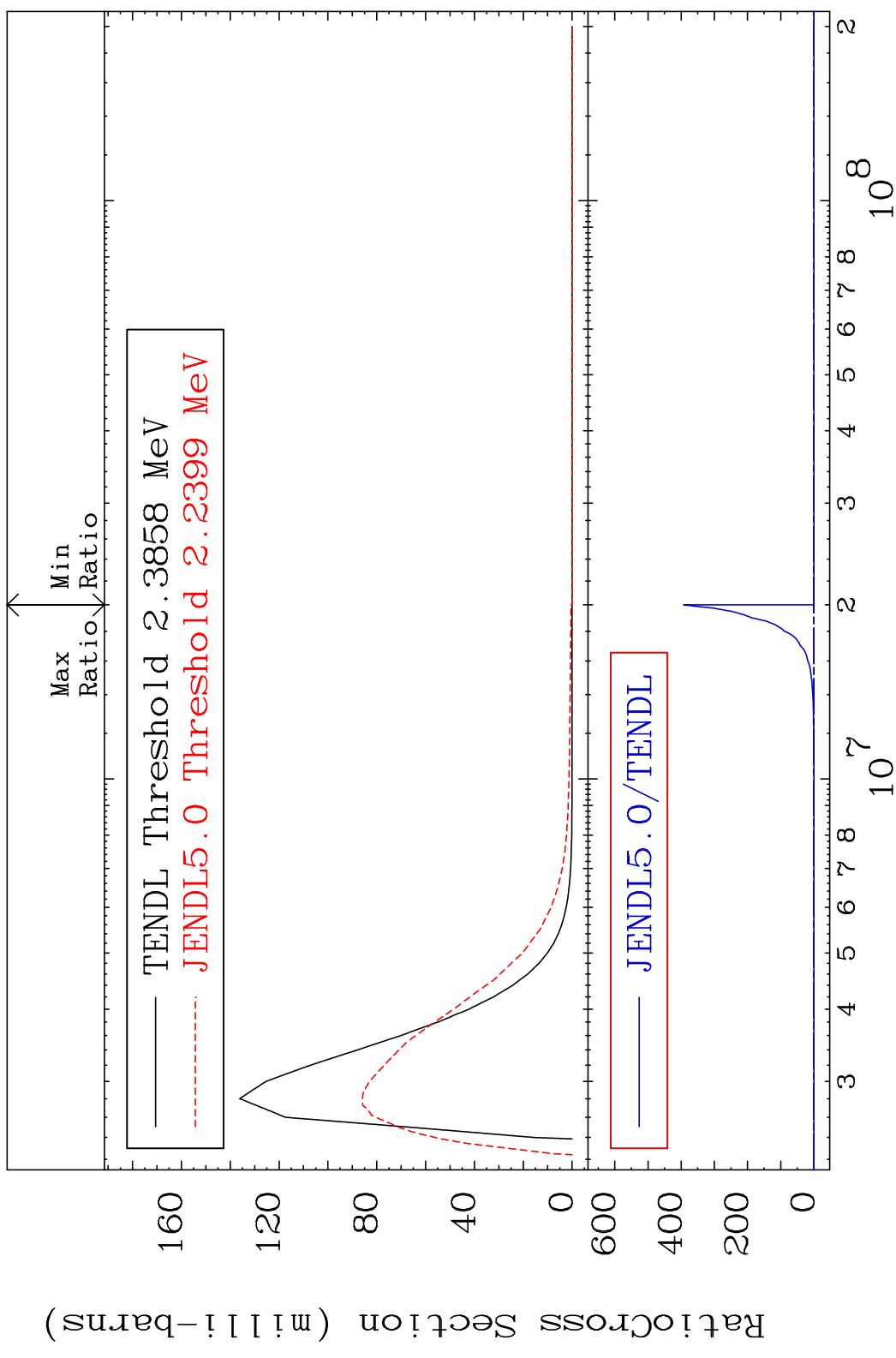
14 Incident Energy (eV) 50-Sn-124

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



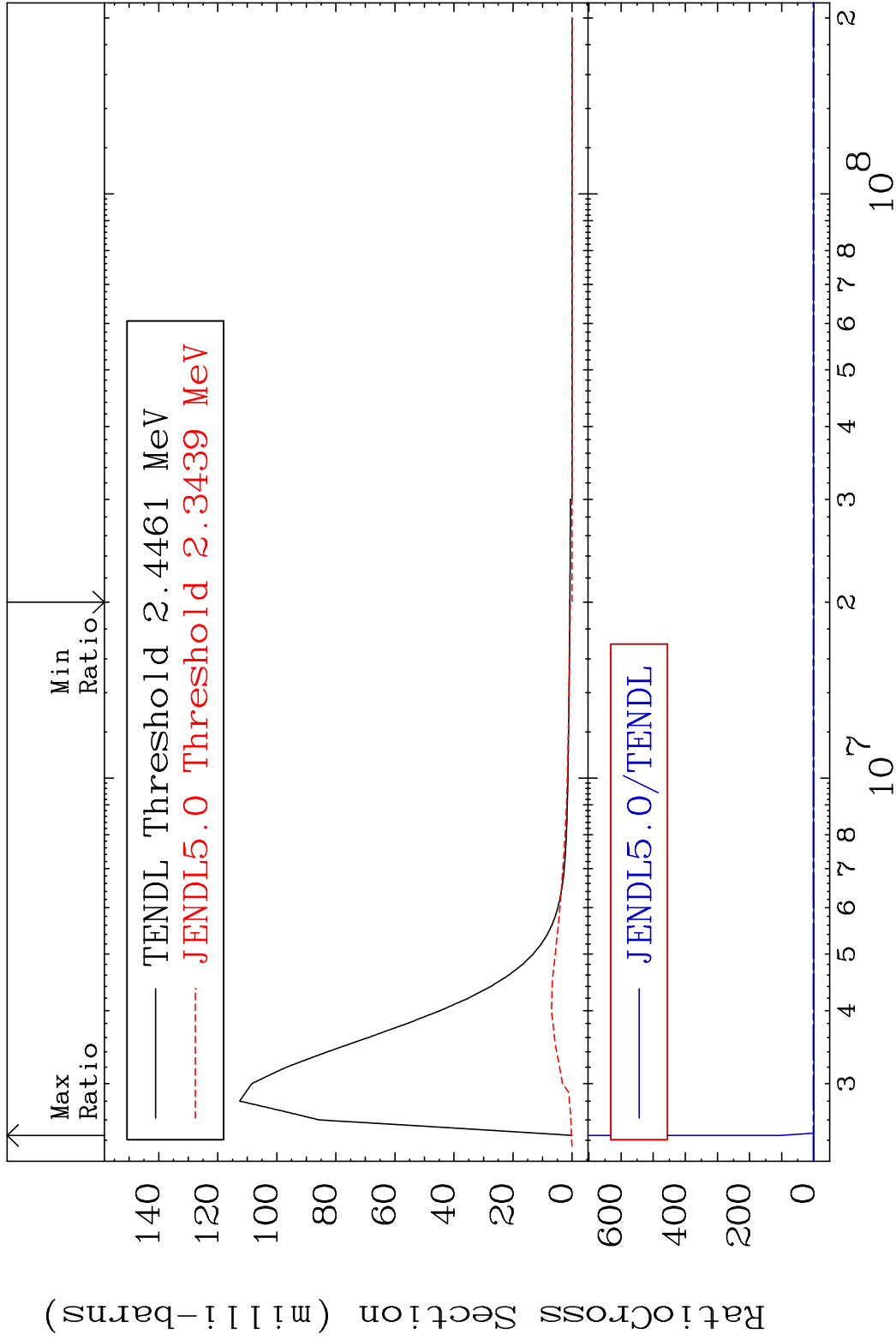
15 50-Sn-124

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



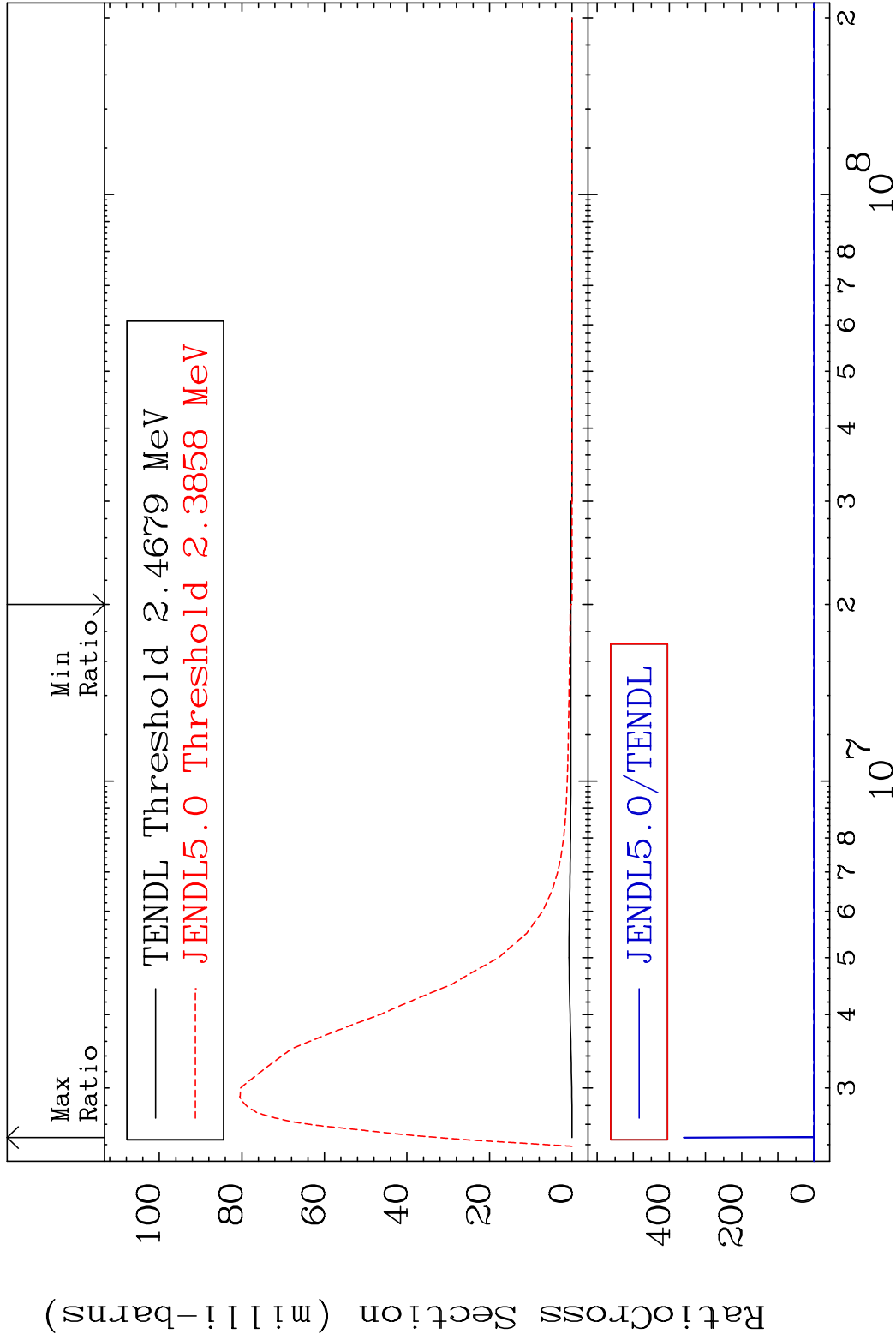
16 Incident Energy (eV) 50-Sn-124

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



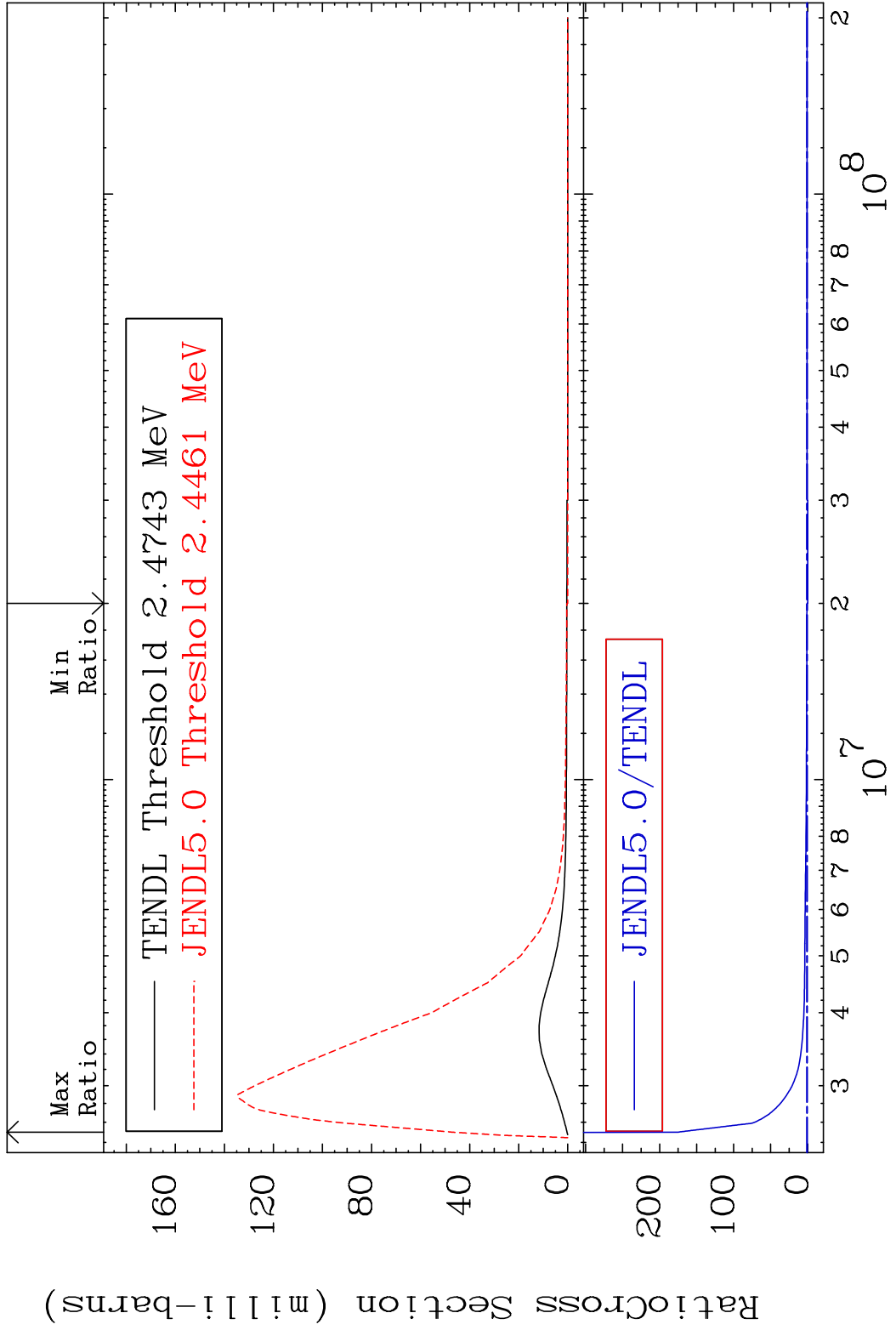
17 Incident Energy (eV) 50-Sn-124

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



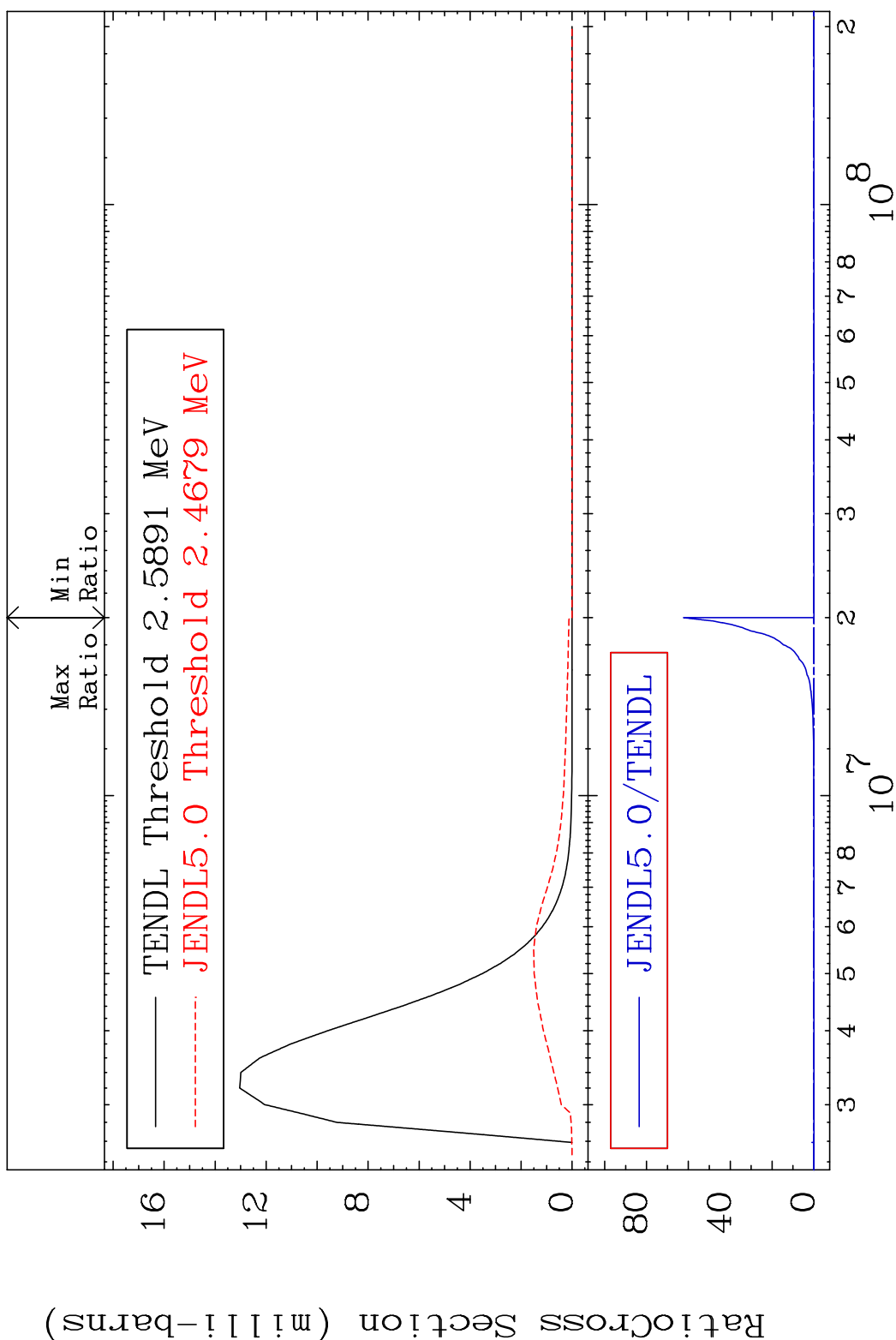
18 Incident Energy (eV) 50-Sn-124

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



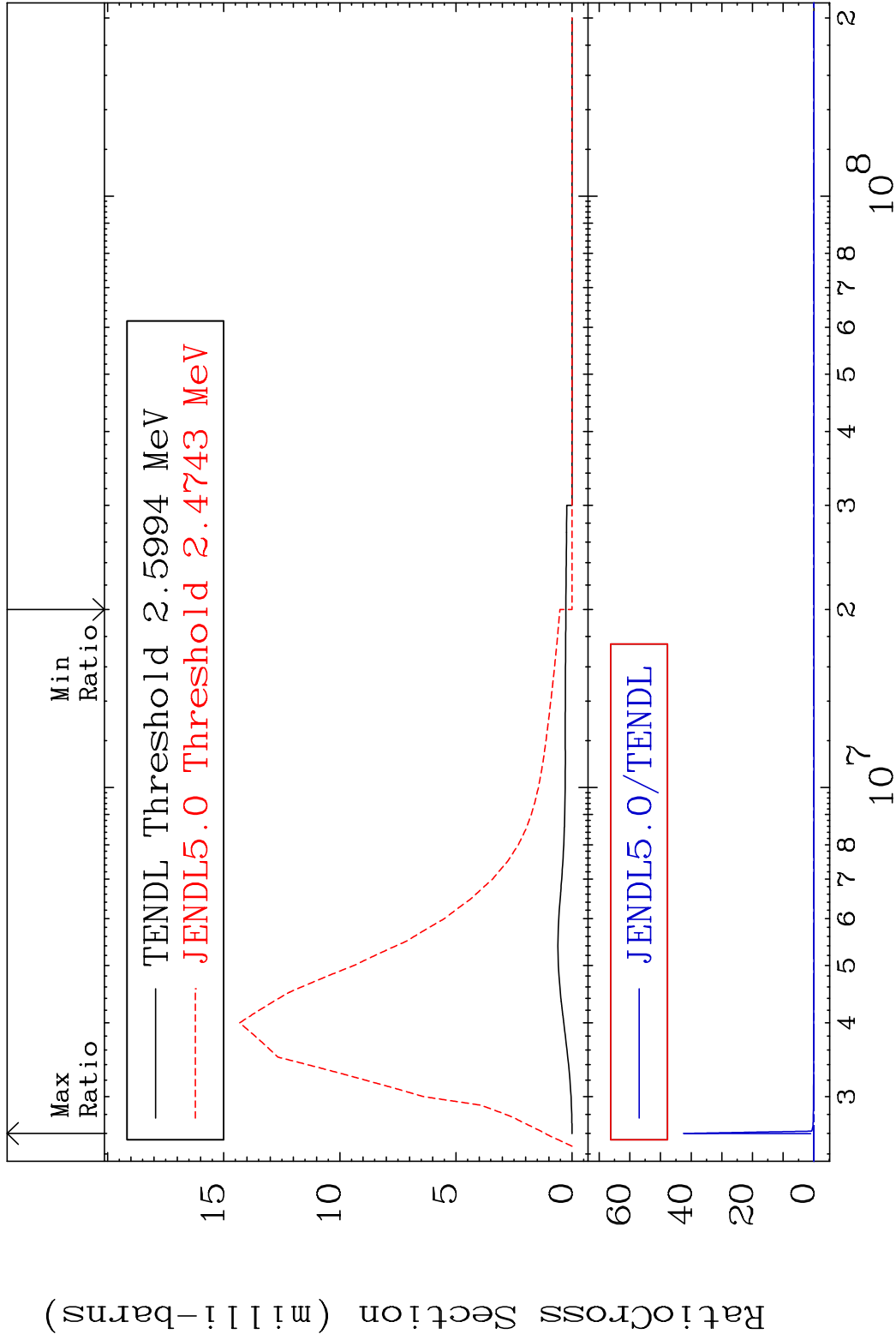
19 Incident Energy (eV) 50-Sn-124

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



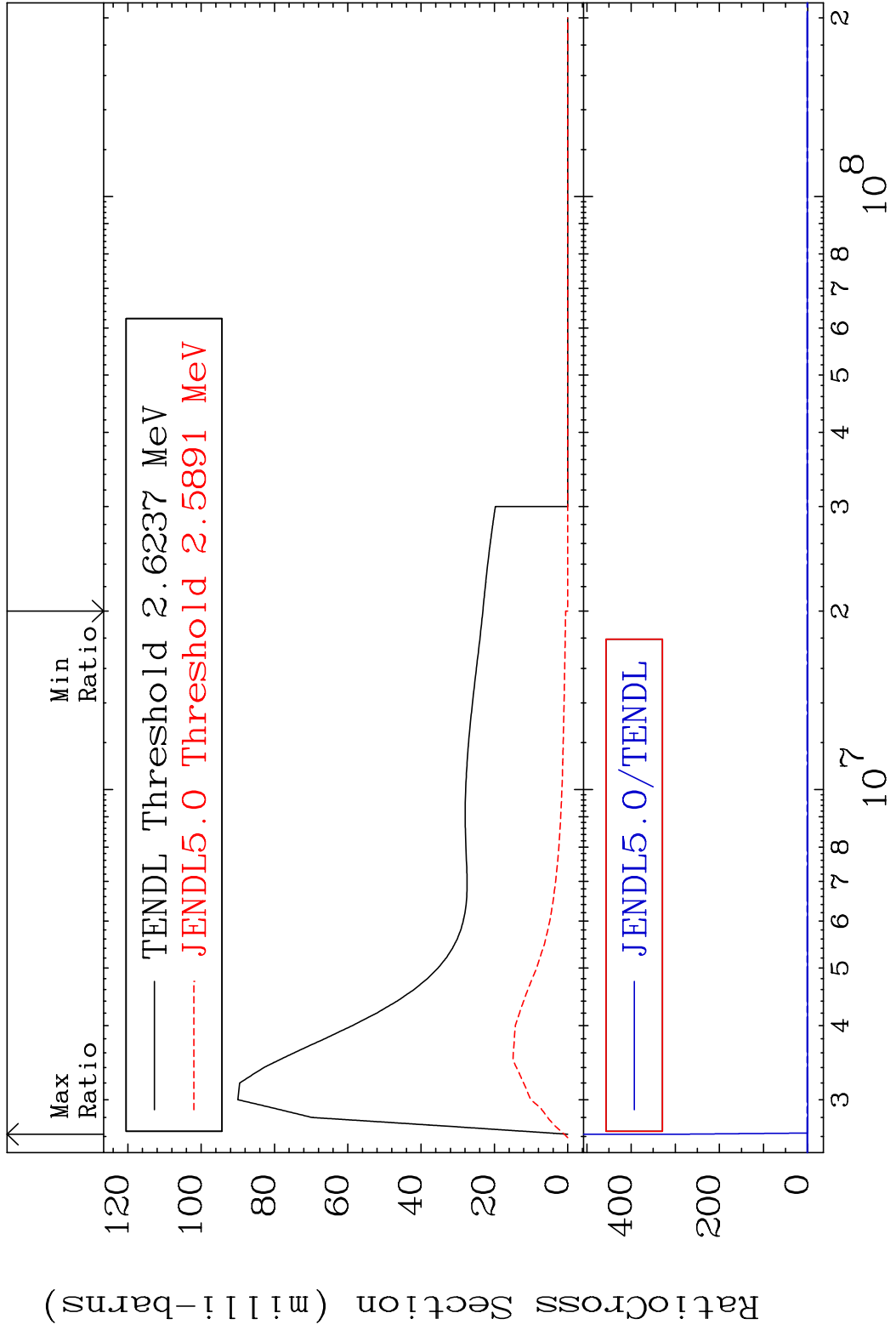
20 Incident Energy (eV) 50-Sn-124

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

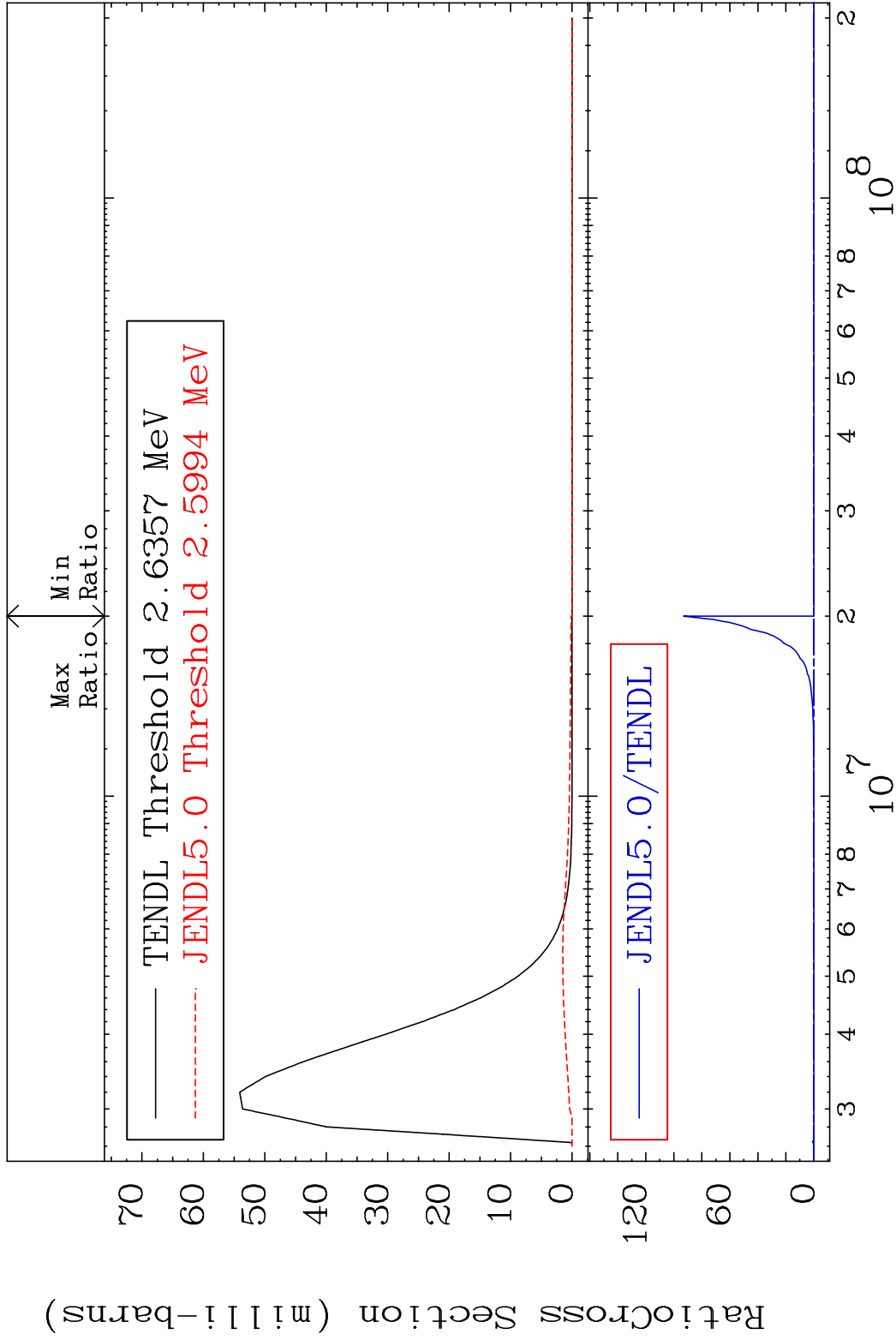


21 Incident Energy (eV) 50-Sn-124

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

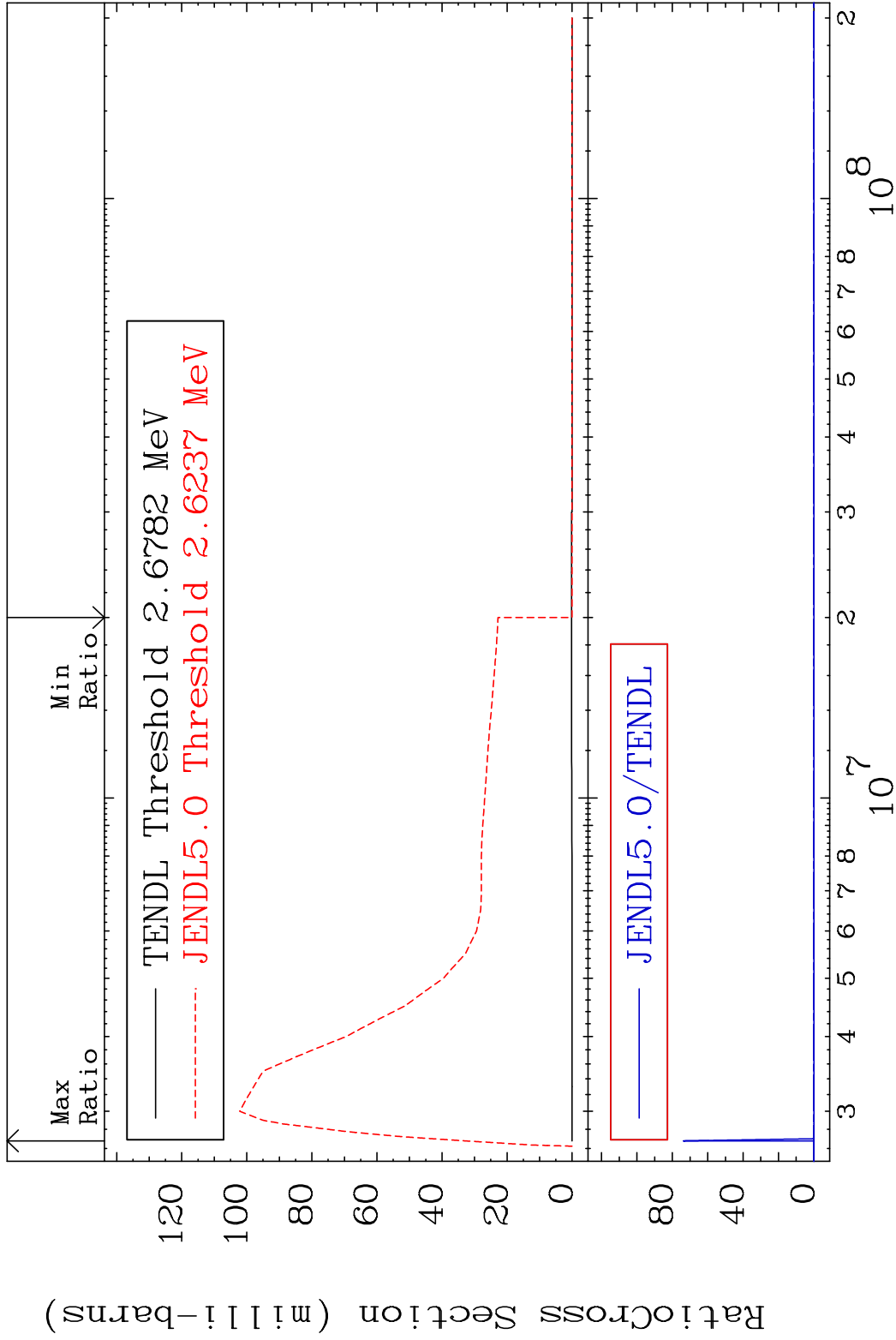


MAT 5061 MT= 65 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

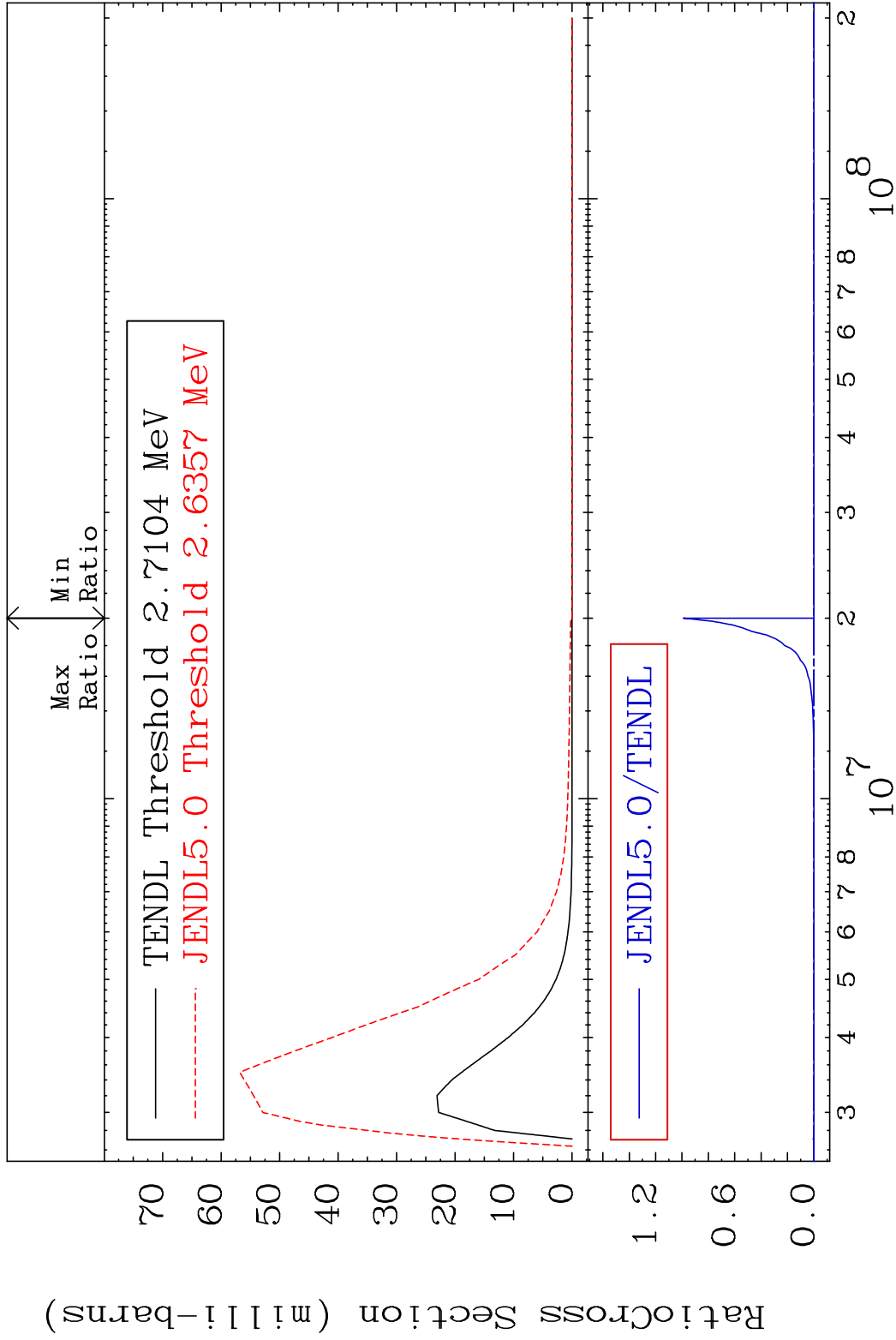


23 Incident Energy (eV) 50-Sn-124

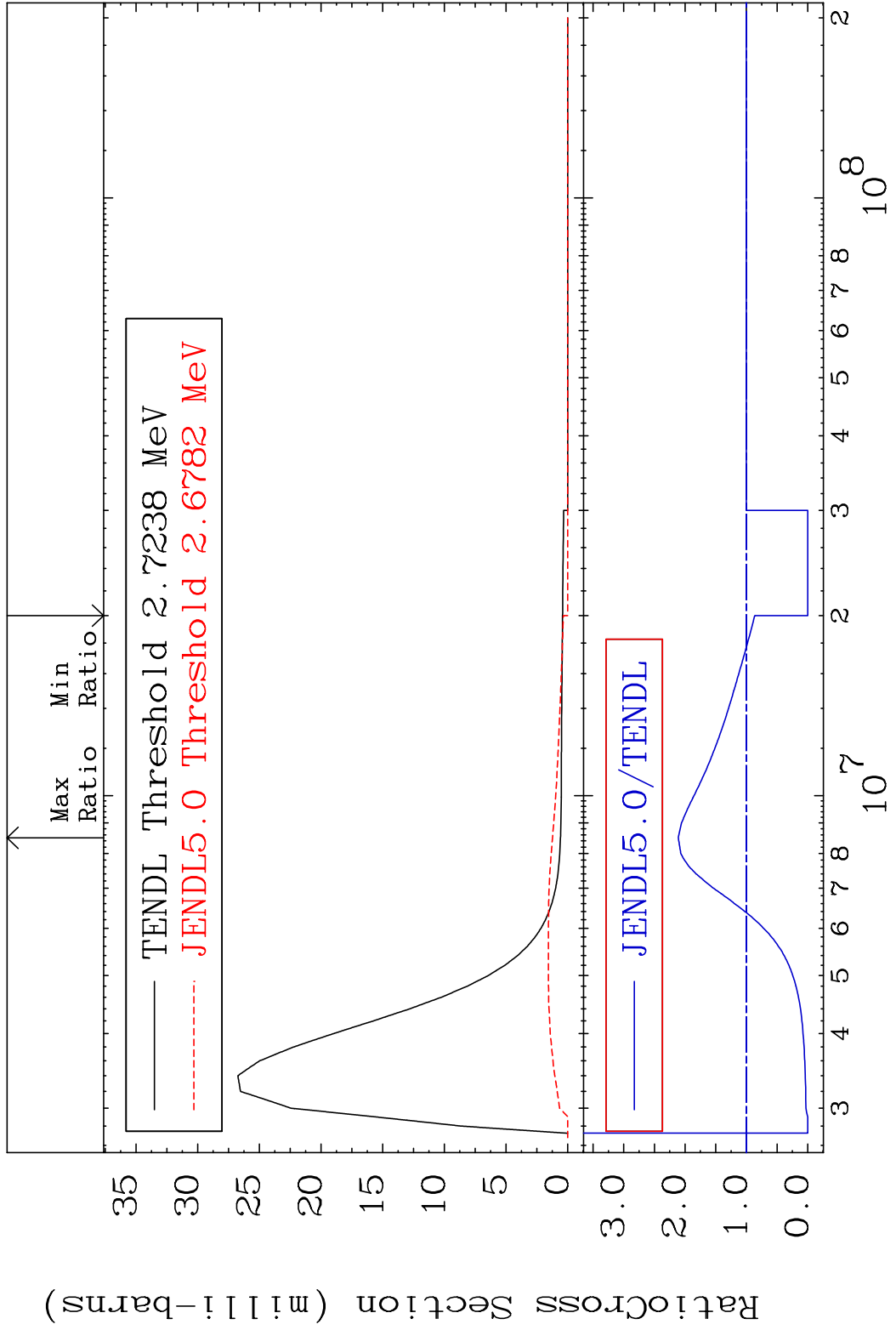
MAT 5061 MT= 66 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



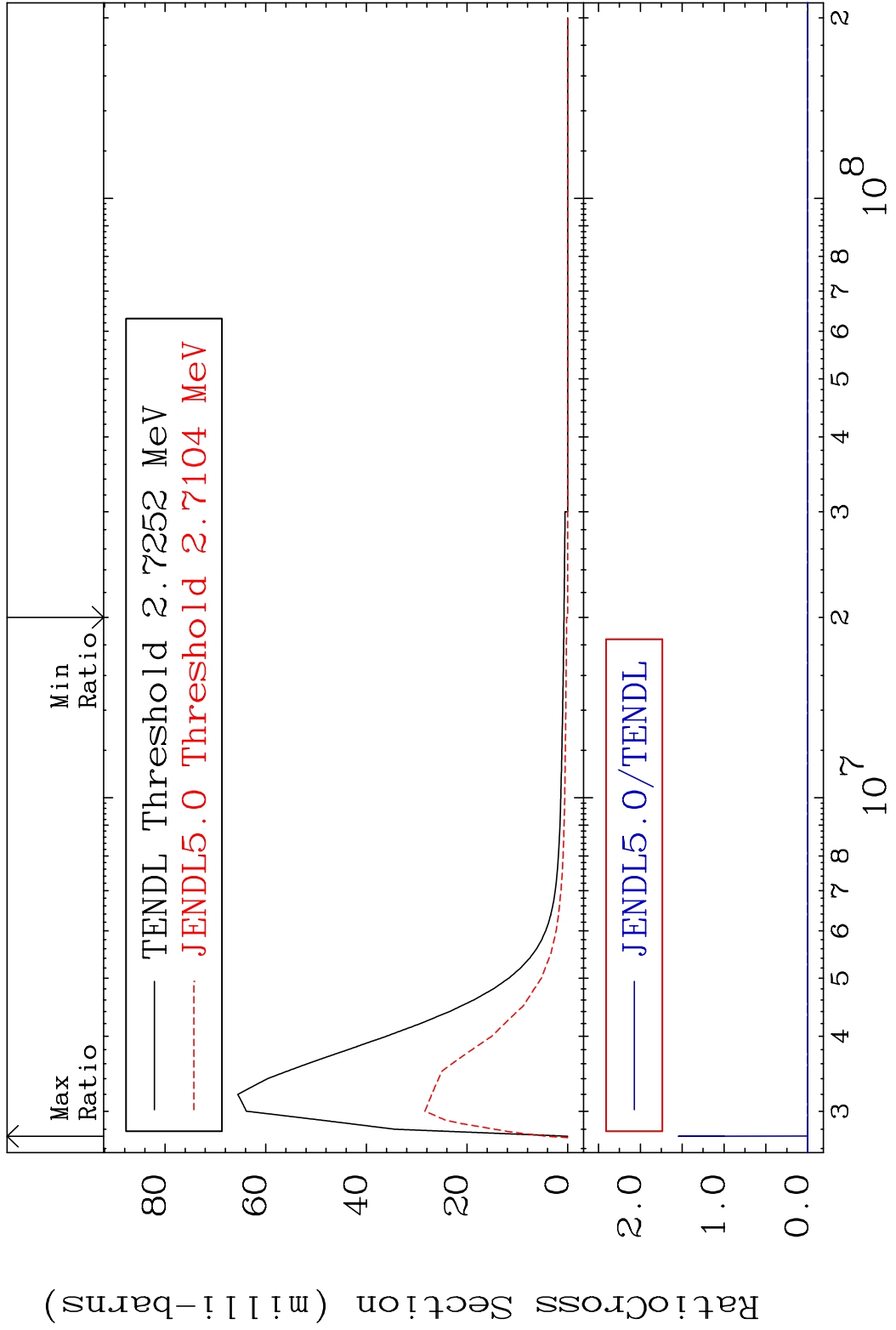
MAT 5061 MT= 67 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 68 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 111.1 %

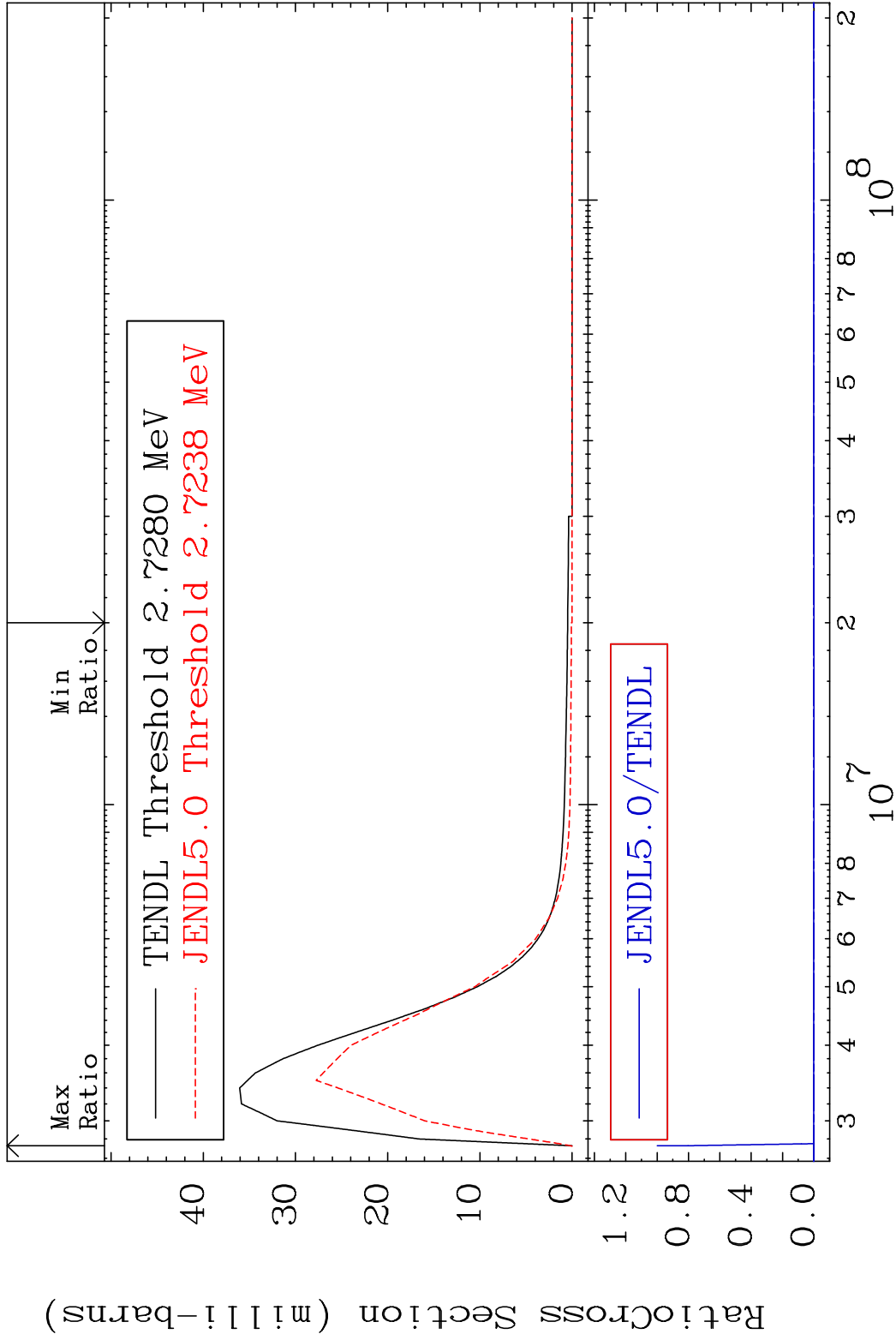


MAT 5061 MT= 69 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

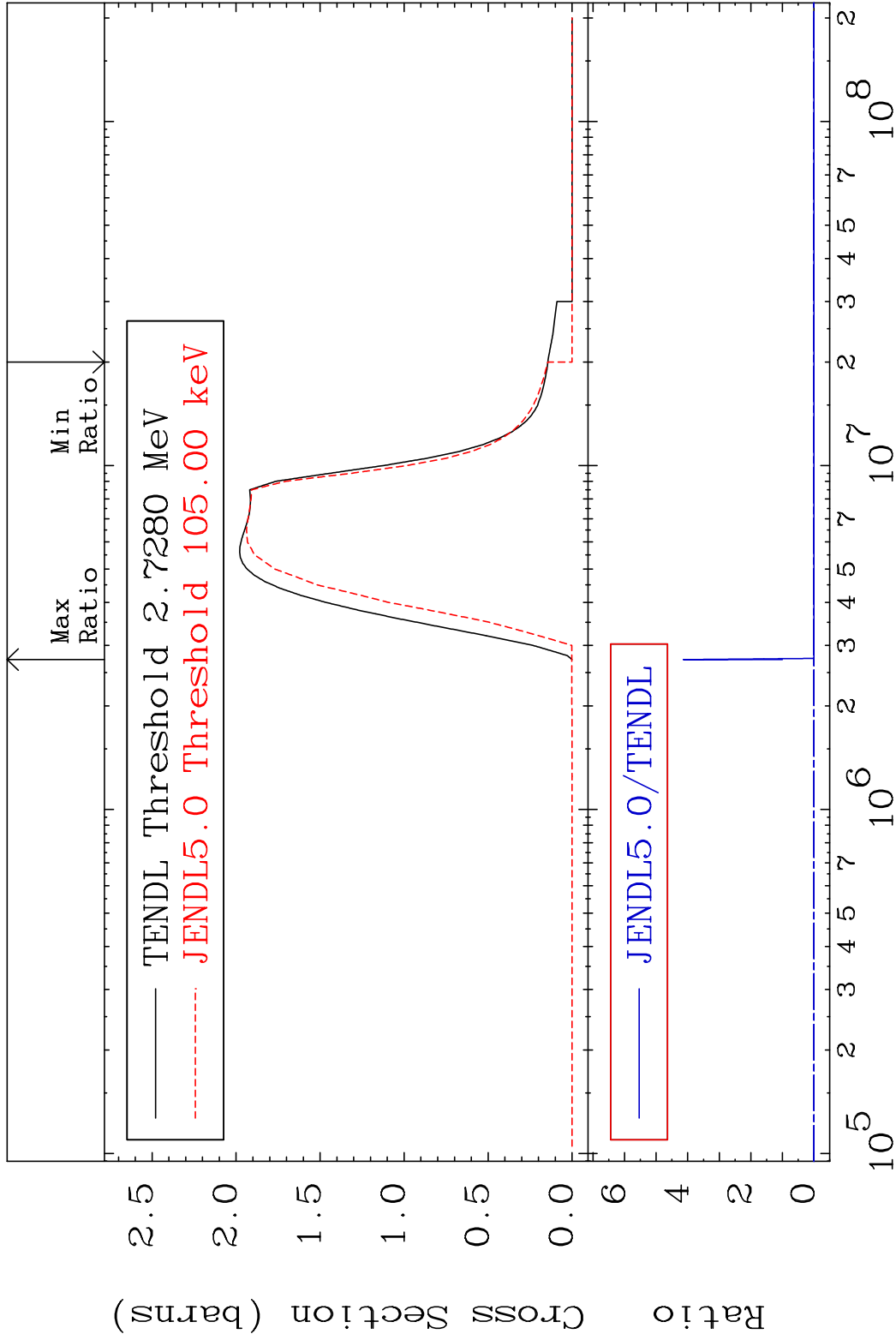


27 50-Sn-124

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



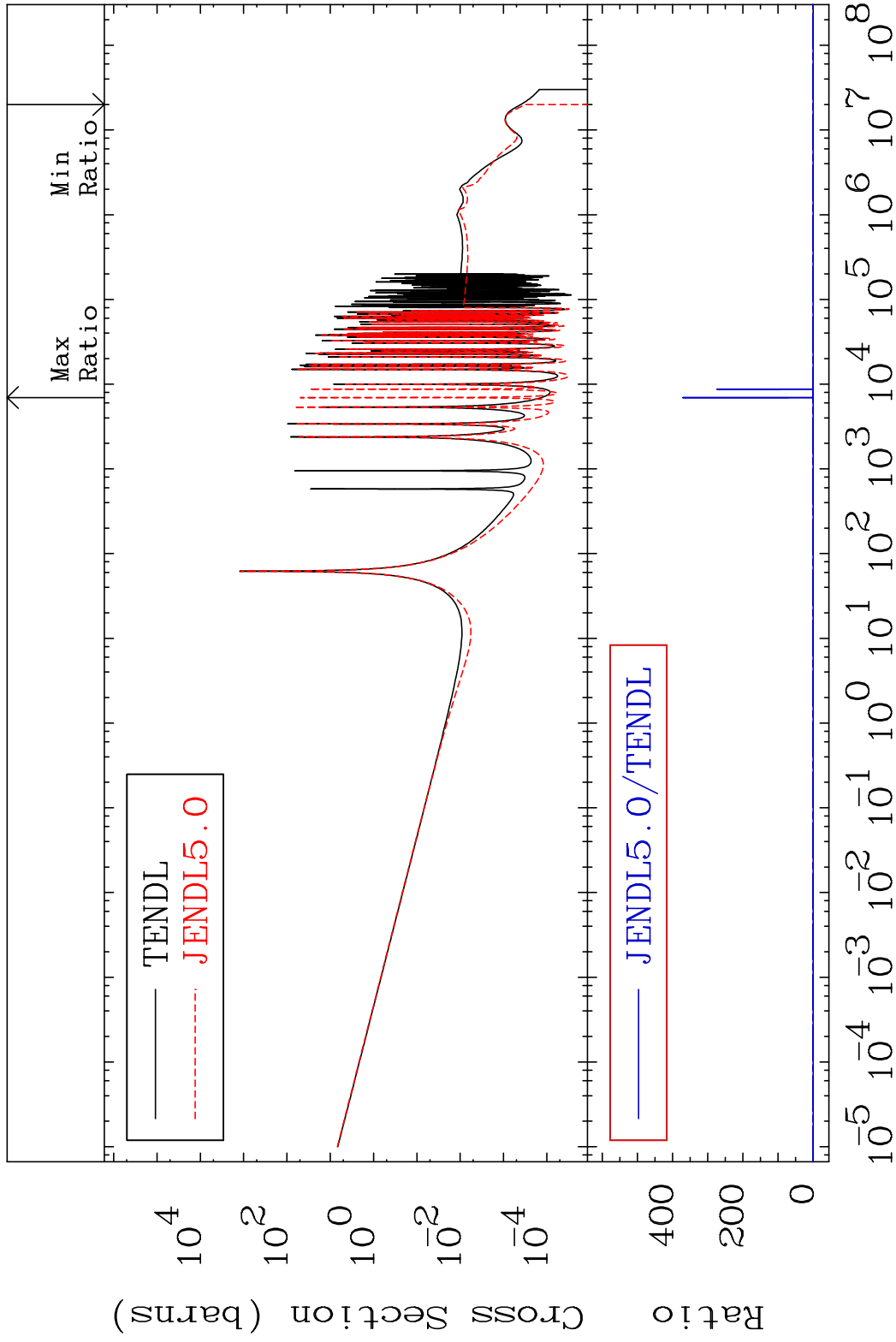
MAT 5061 (n,n') Continuum 50-Sn-124
 Cross Section -100.0 To 9999. %



29 Incident Energy (eV) 50-Sn-124

MAT 5061

(n, γ)
Cross Section -100.0 To 9999. %
50-Sn-124

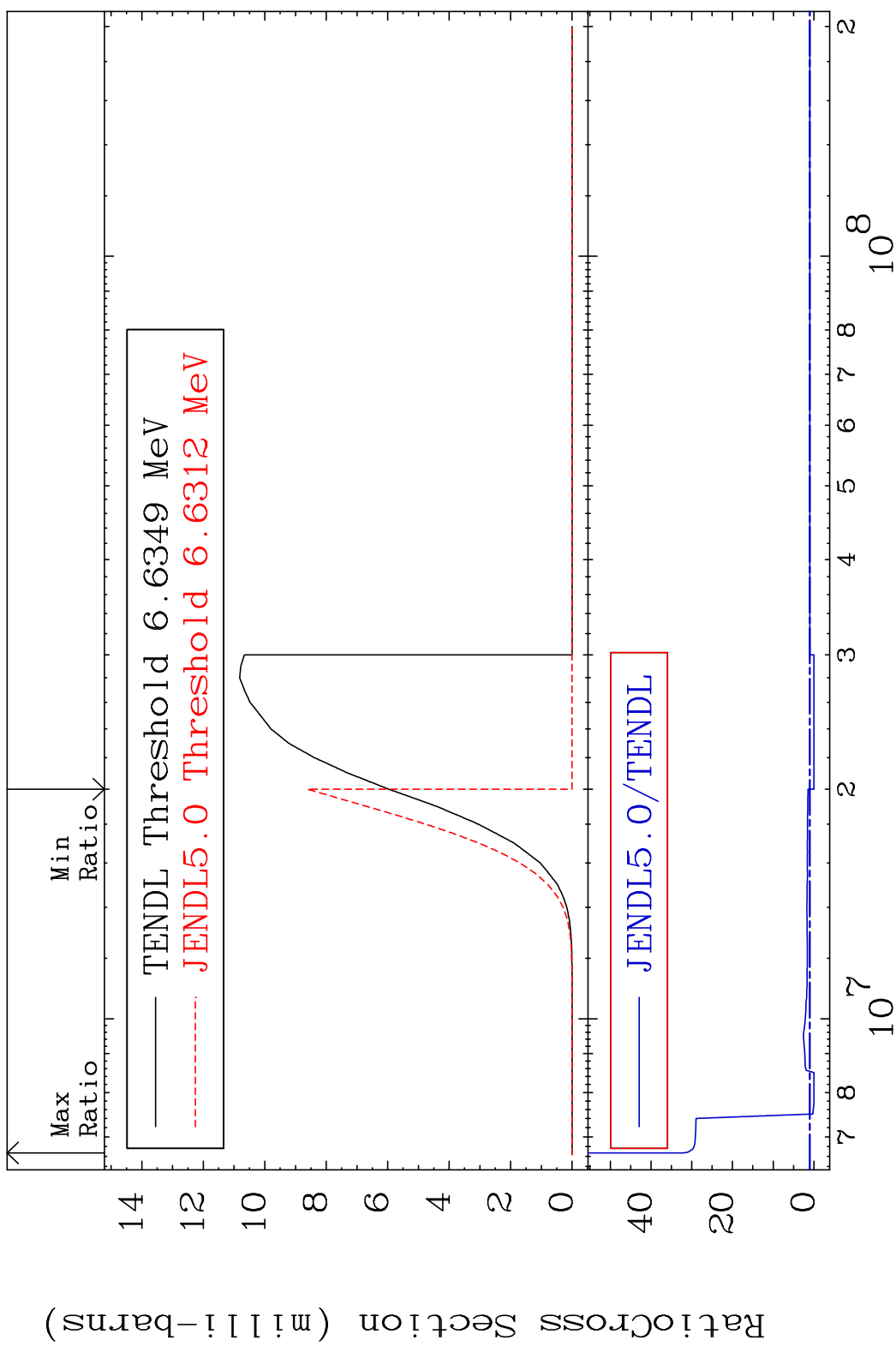


30

Incident Energy (eV)

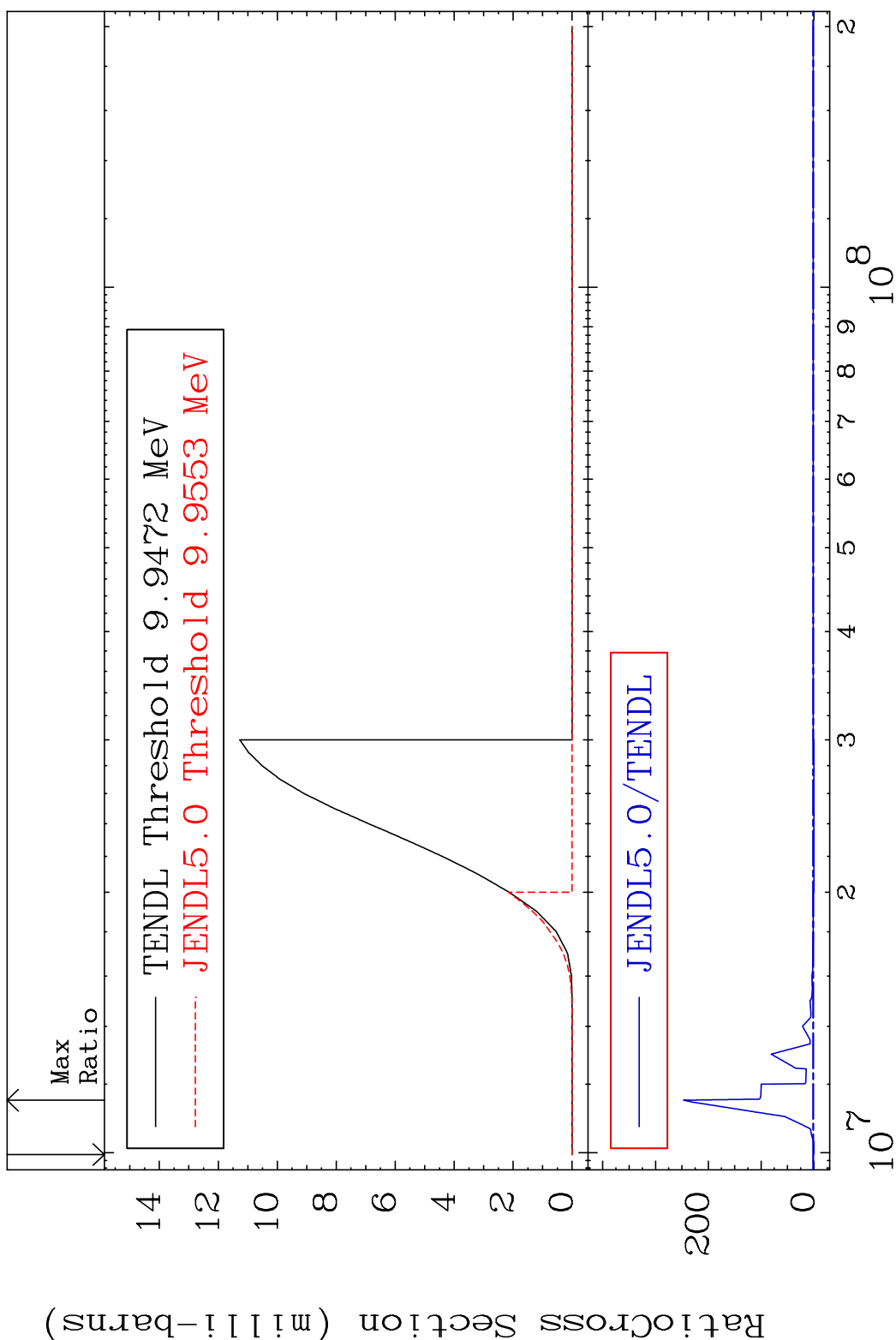
50-Sn-124

MAT 5061 (n,p) 50-Sn-124
 Cross Section -100.0 To 3103. %



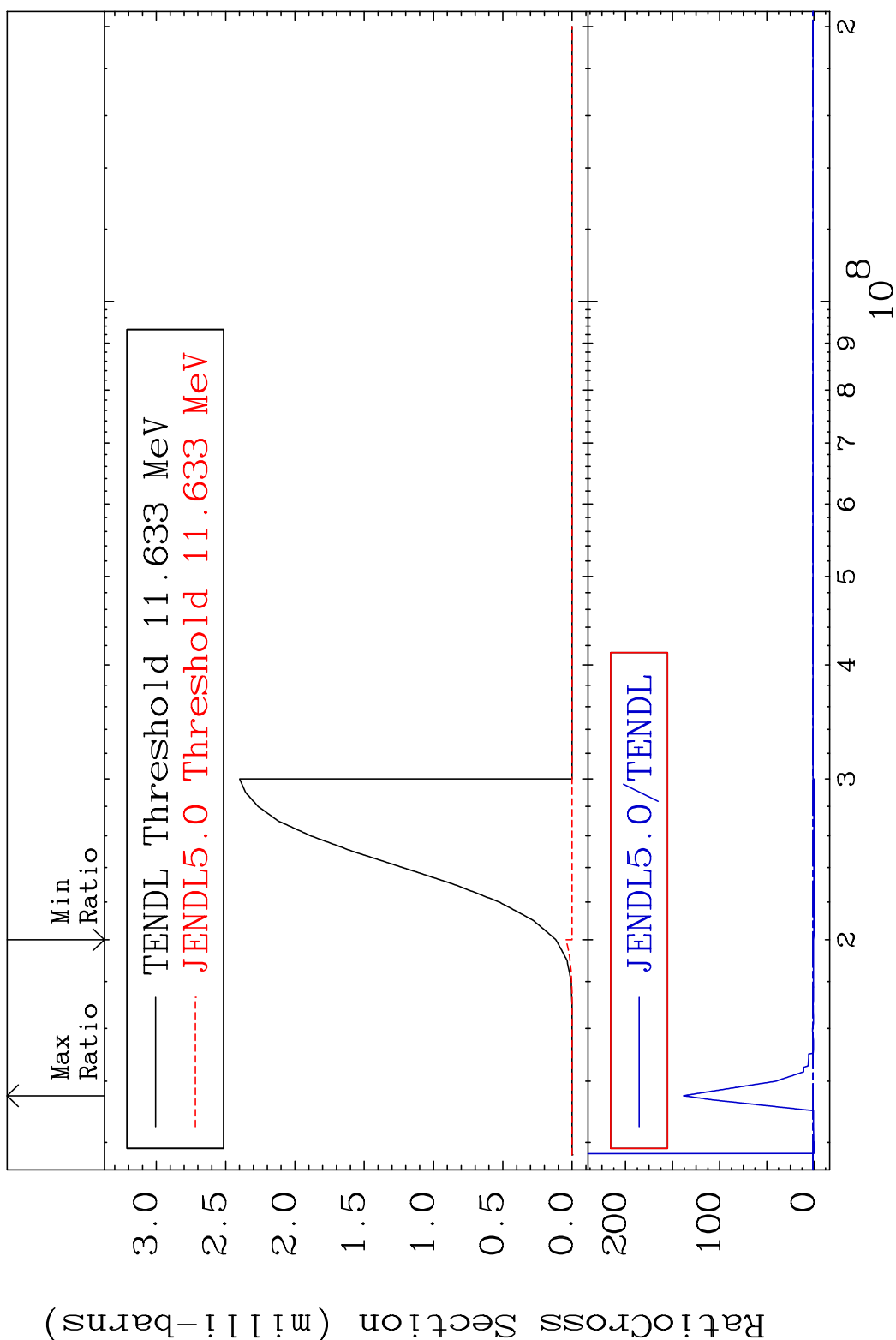
31 50-Sn-124

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

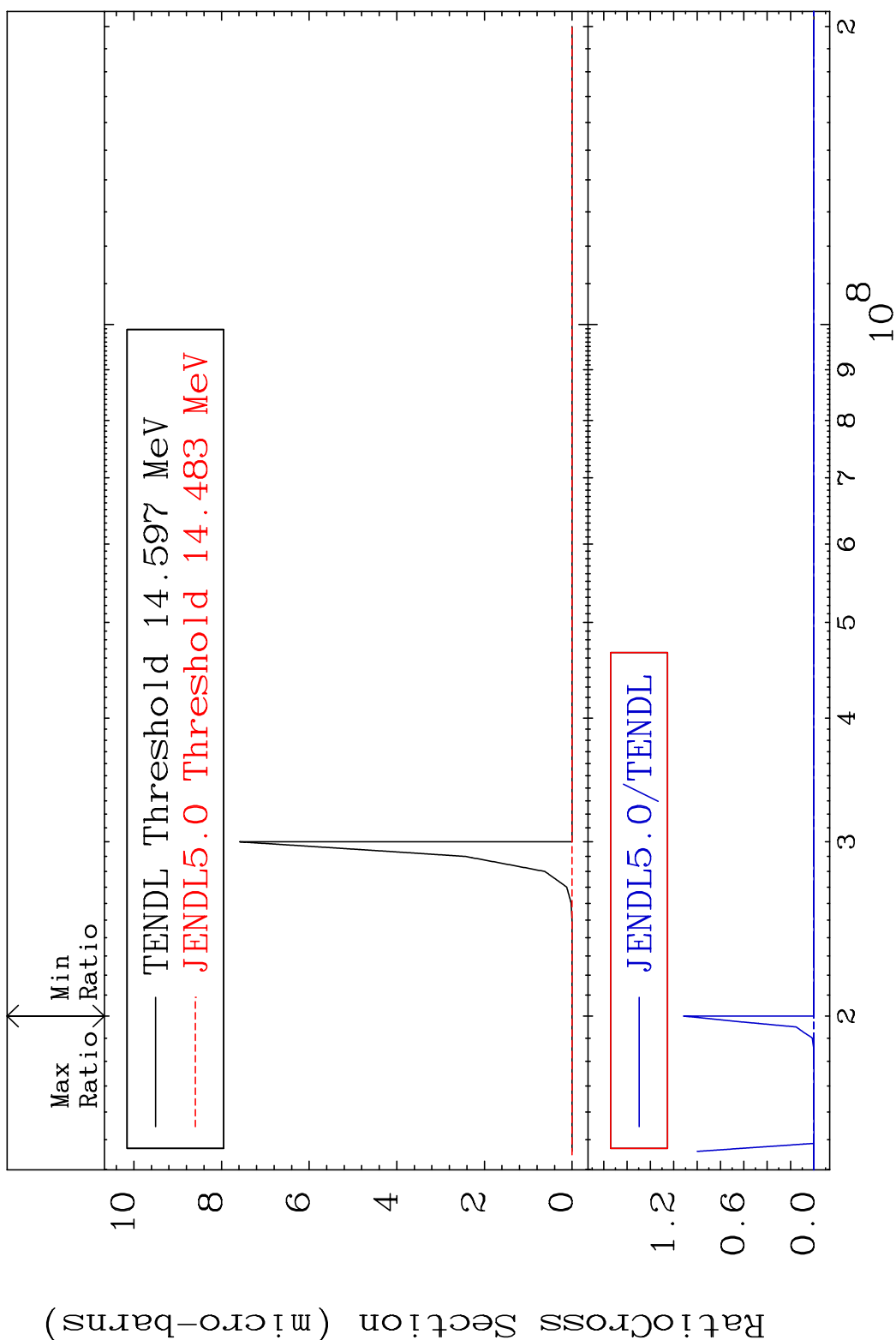


32 Incident Energy (eV) 50-Sn-124

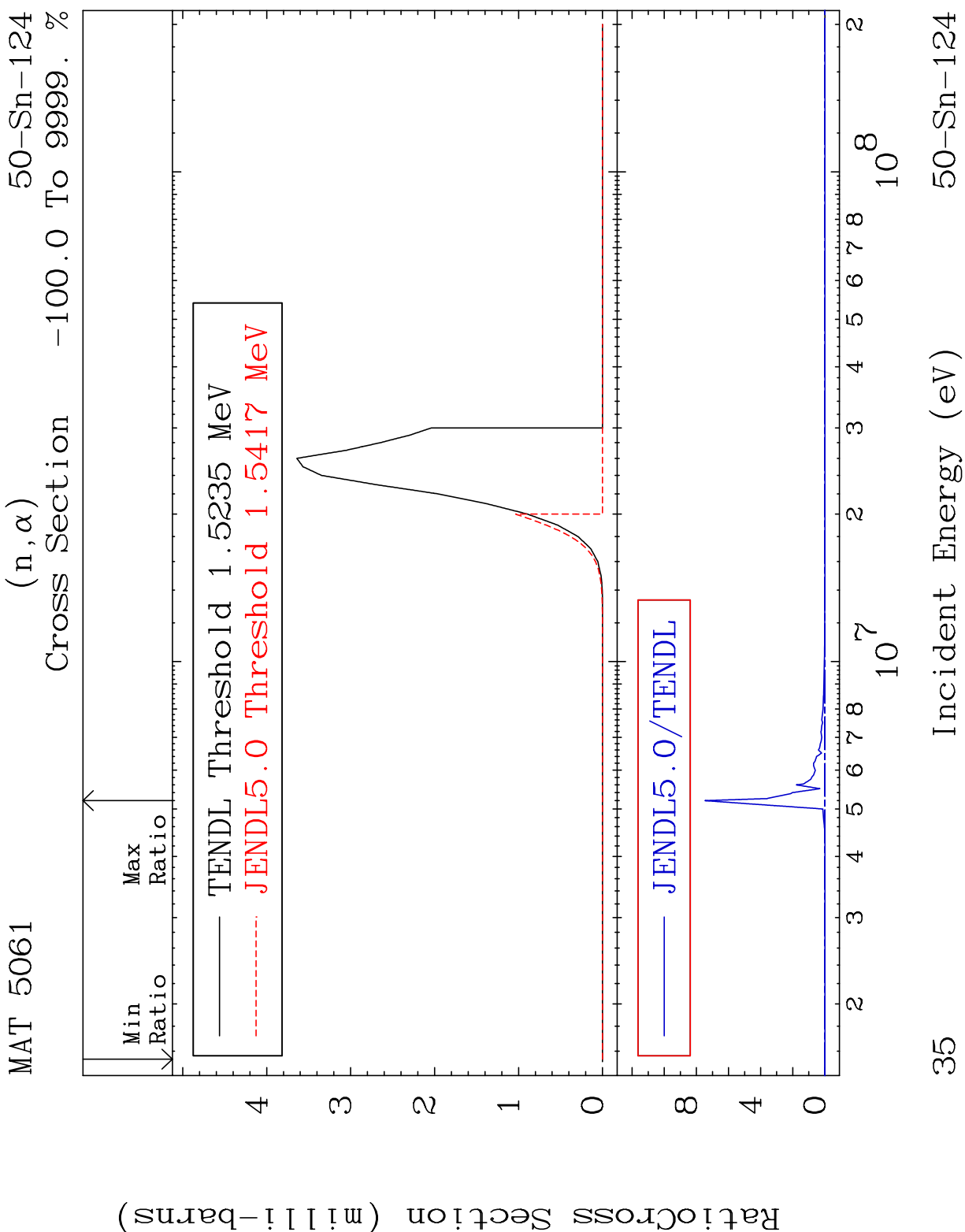
MAT 5061 (n, t) 50-Sn-124
 Cross Section -100.0 To 9999. %



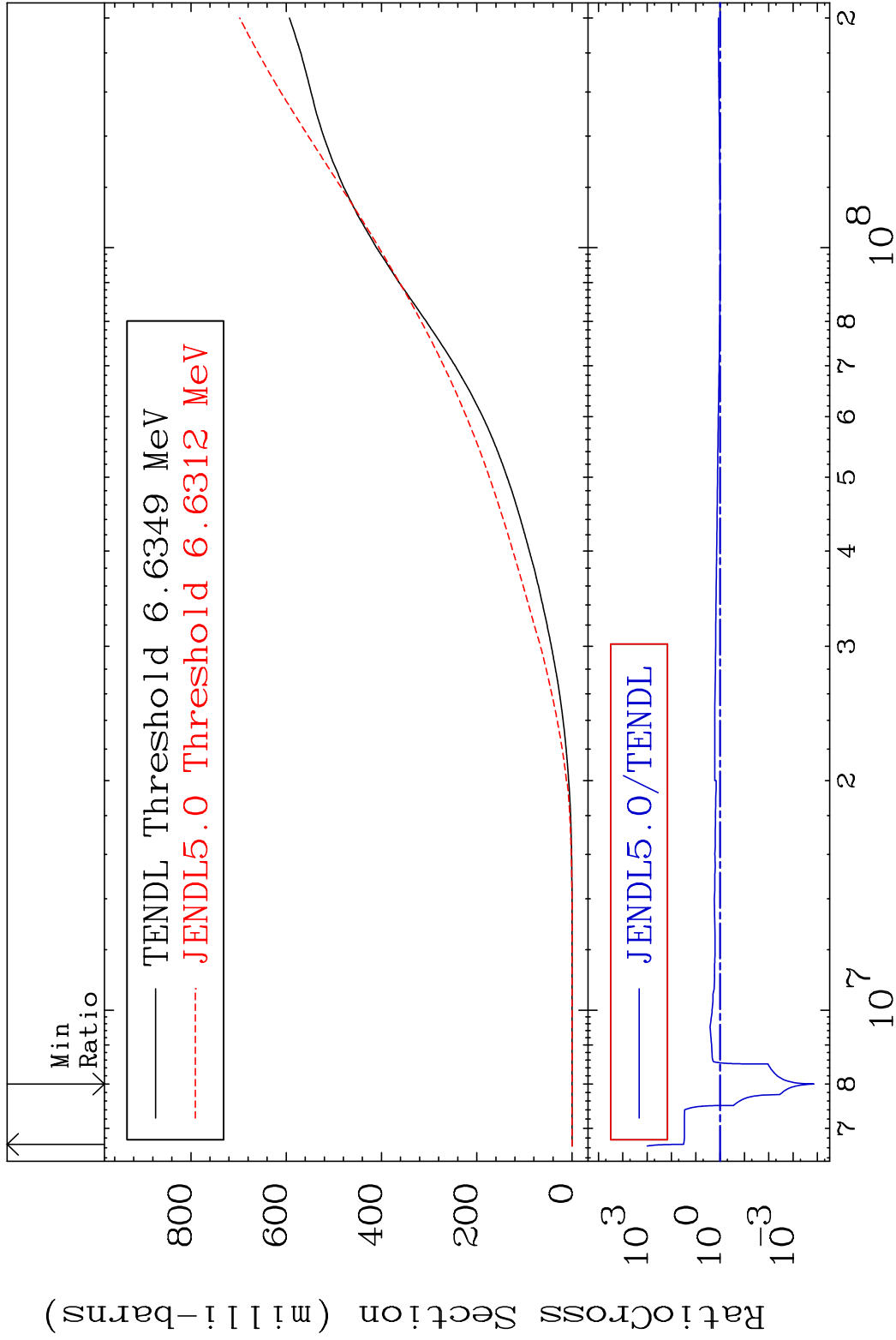
MAT 5061 (n, He-3) 50-Sn-124
 Cross Section -100.0 To 9999. %



34 Incident Energy (eV) 50-Sn-124

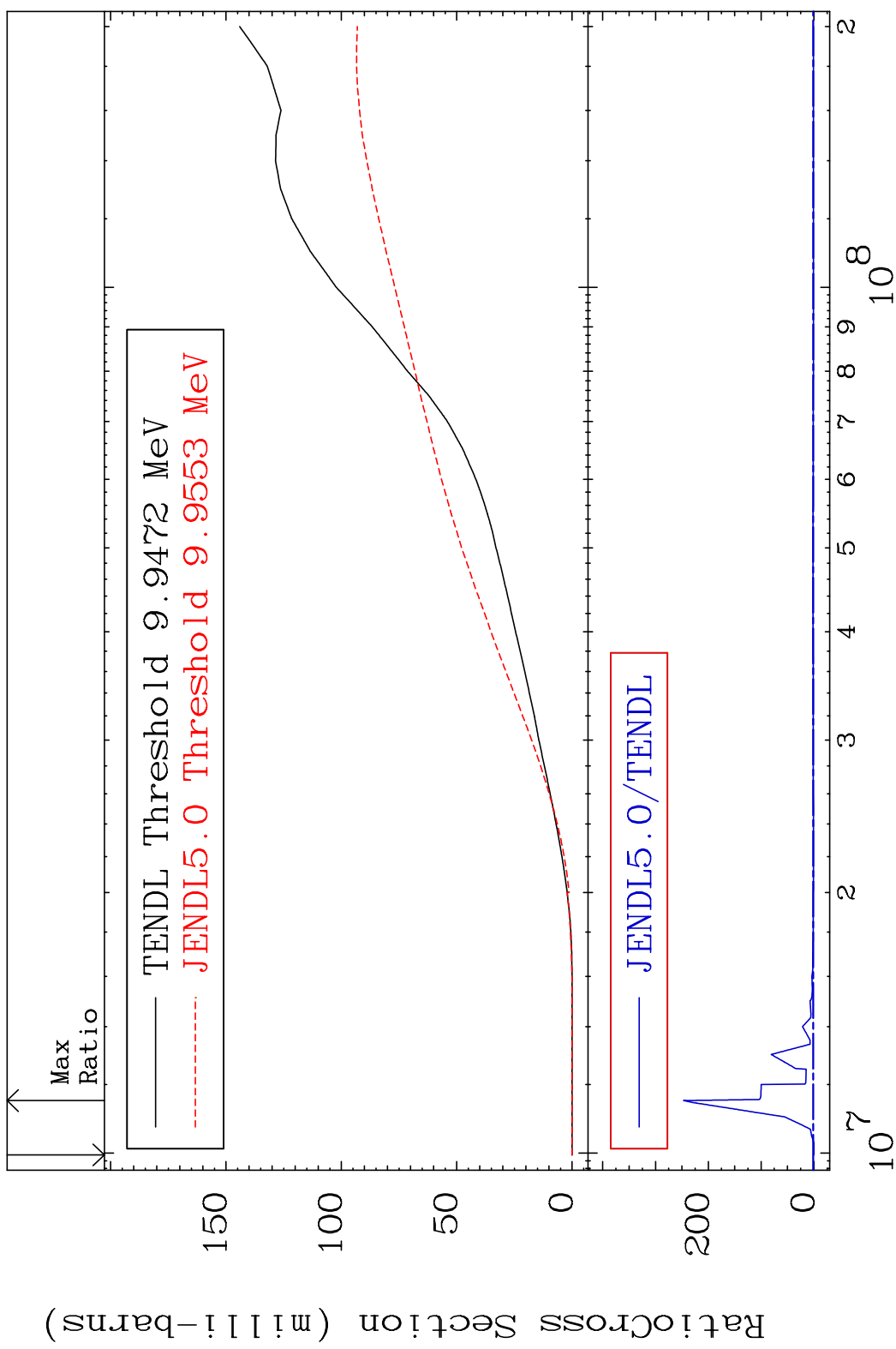


MAT 5061 Hydrogen Production 50-Sn-124
 Cross Section -99.99 To 3103. %



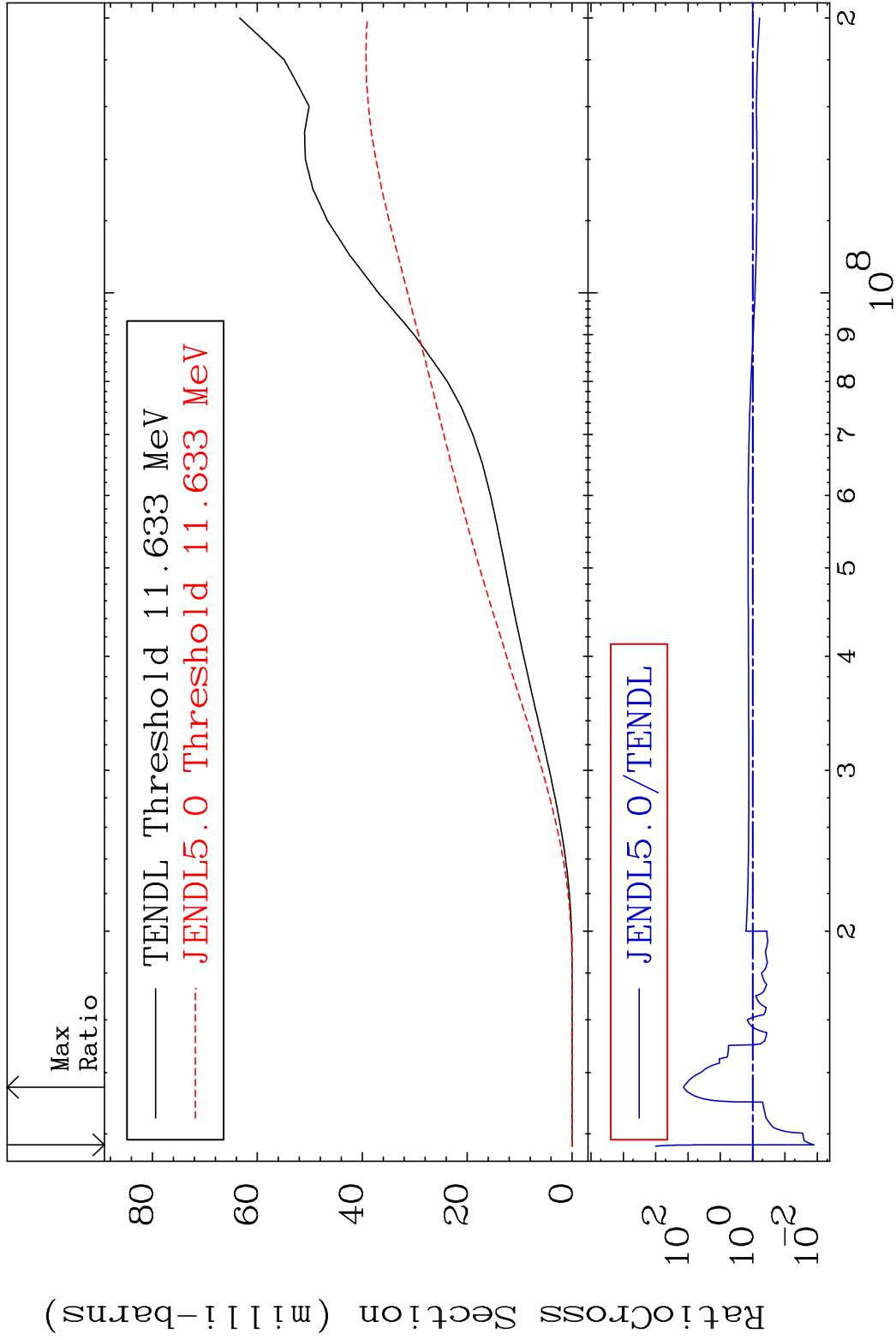
36 Incident Energy (eV) 50-Sn-124

MAT 5061 Deuterium Production 50-Sn-124
 Cross Section -100.0 To 9999. %



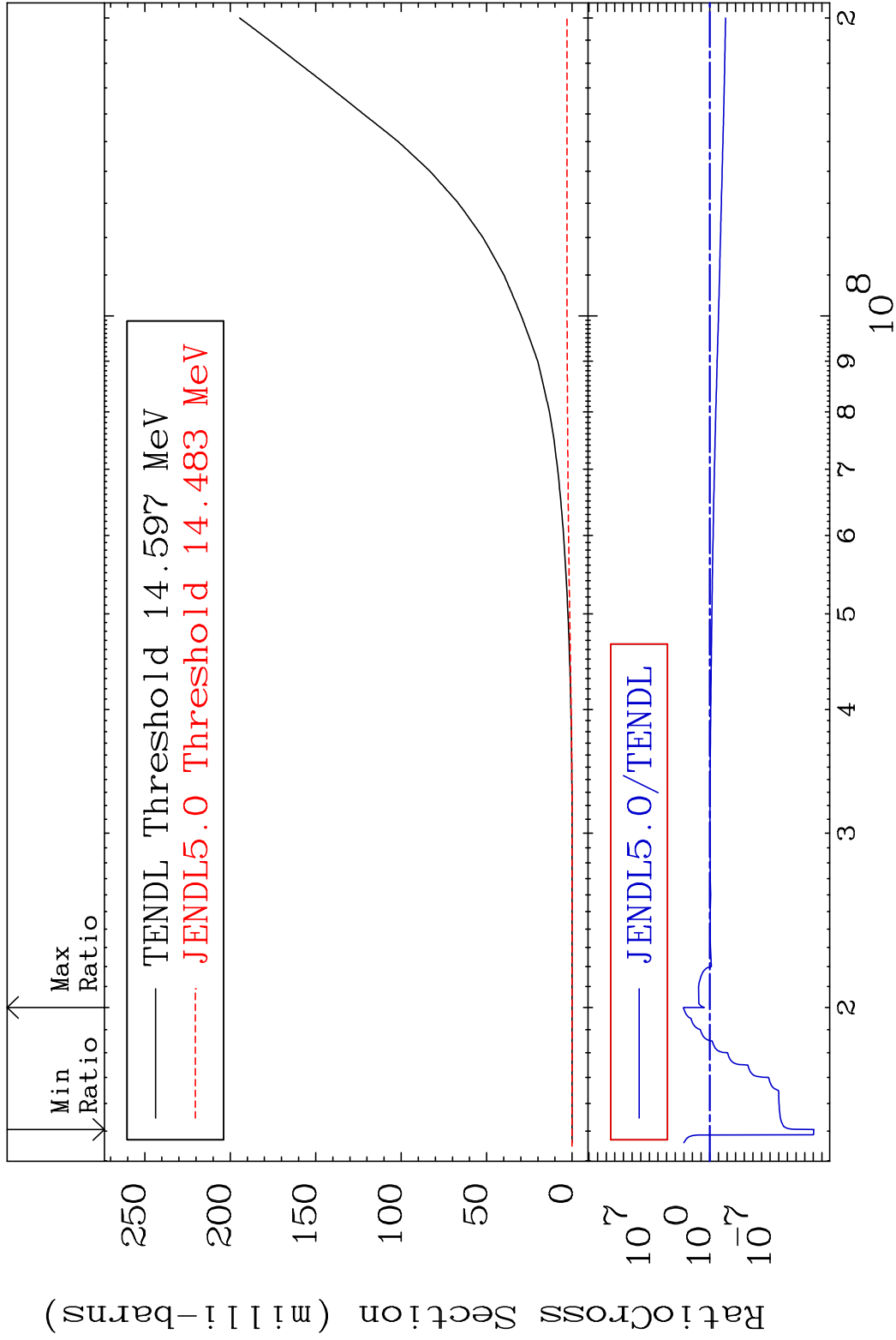
37 Incident Energy (eV) 50-Sn-124

MAT 5061 Tritium Production 50-Sn-124
Cross Section -98.72 To 9999. %

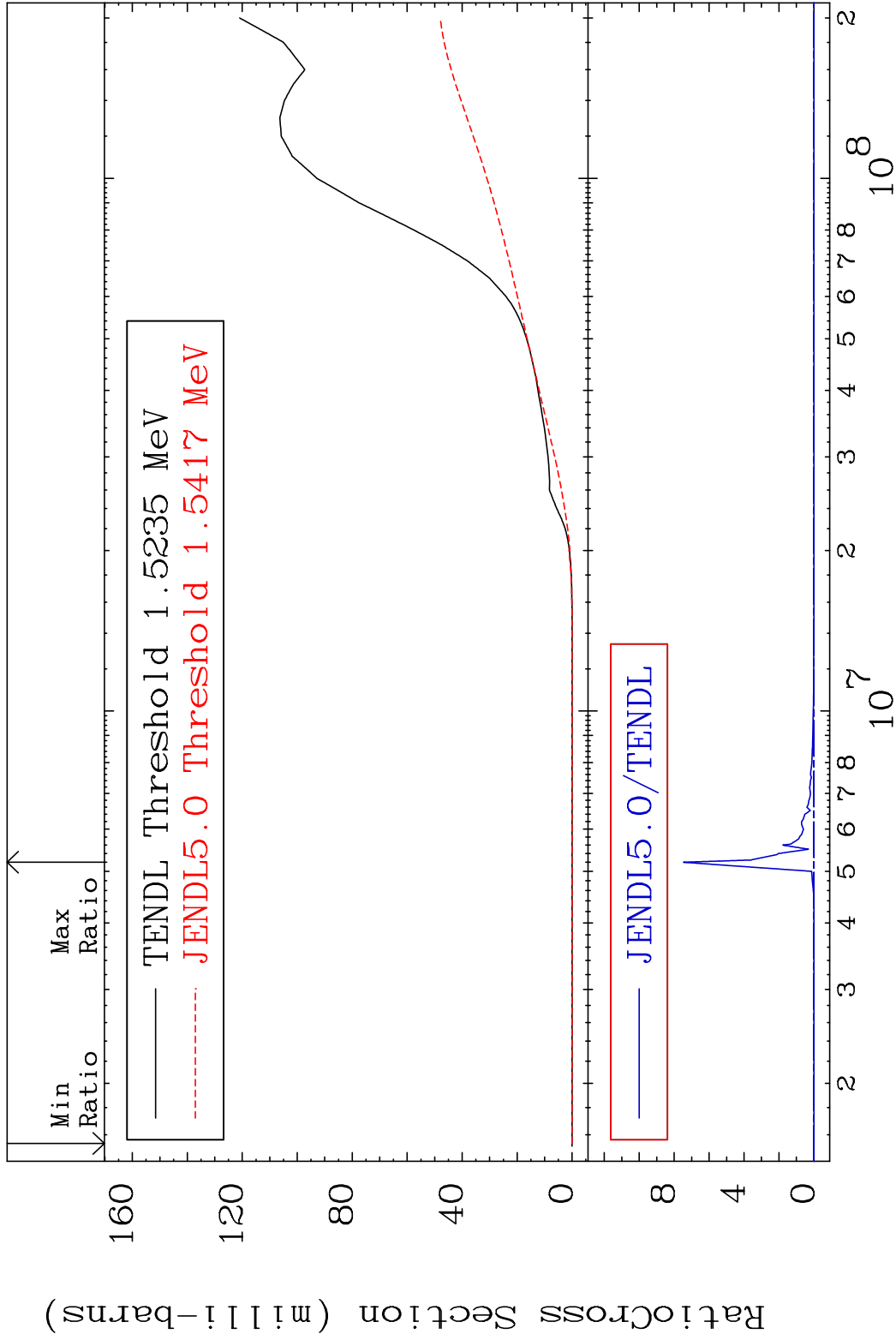


38 Incident Energy (eV) 50-Sn-124

MAT 5061 He-3 Production 50-Sn-124
 Cross Section -100.0 To 9999. %

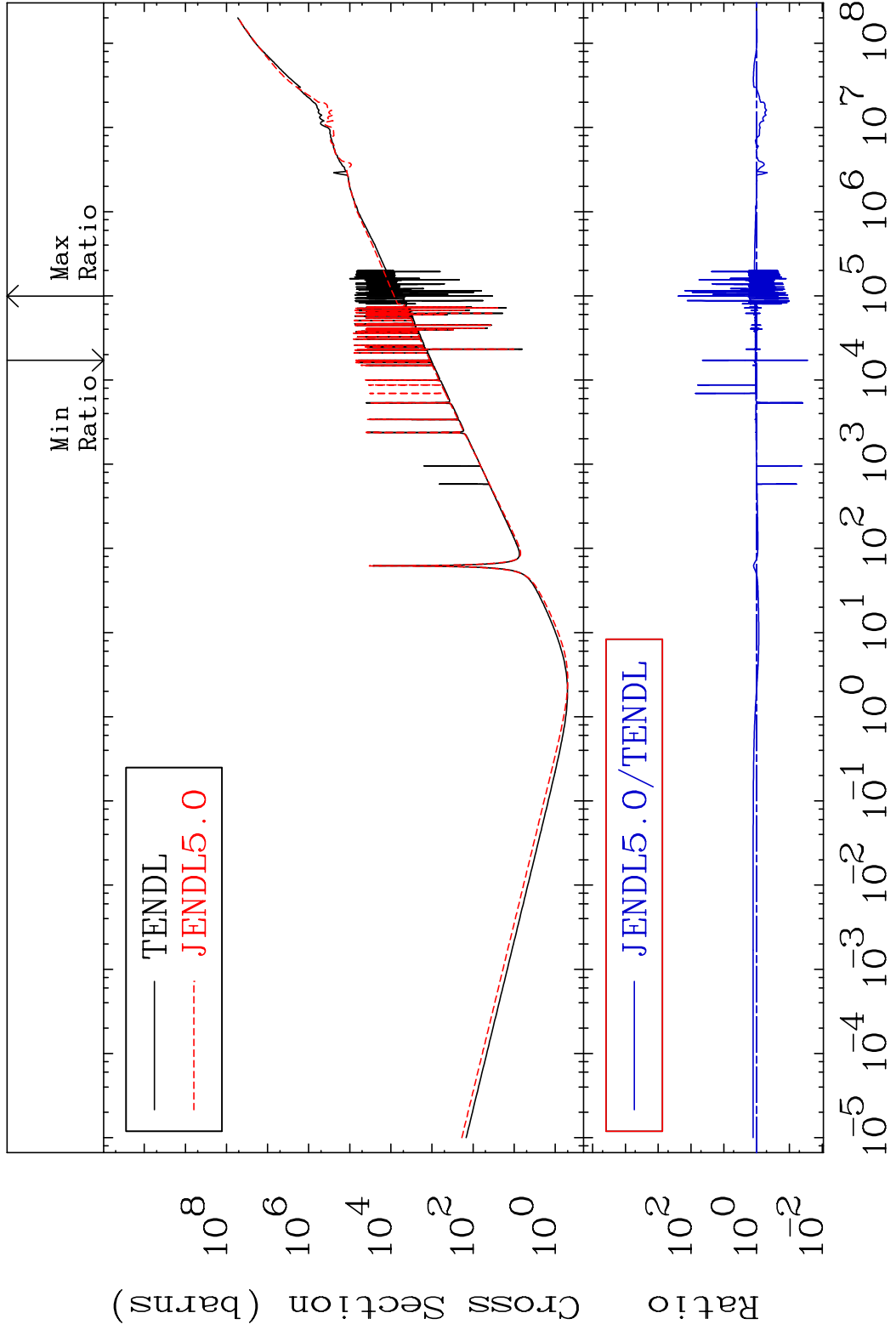


MAT 5061 He-4 Production 50-Sn-124
 Cross Section -100.0 To 9999. %

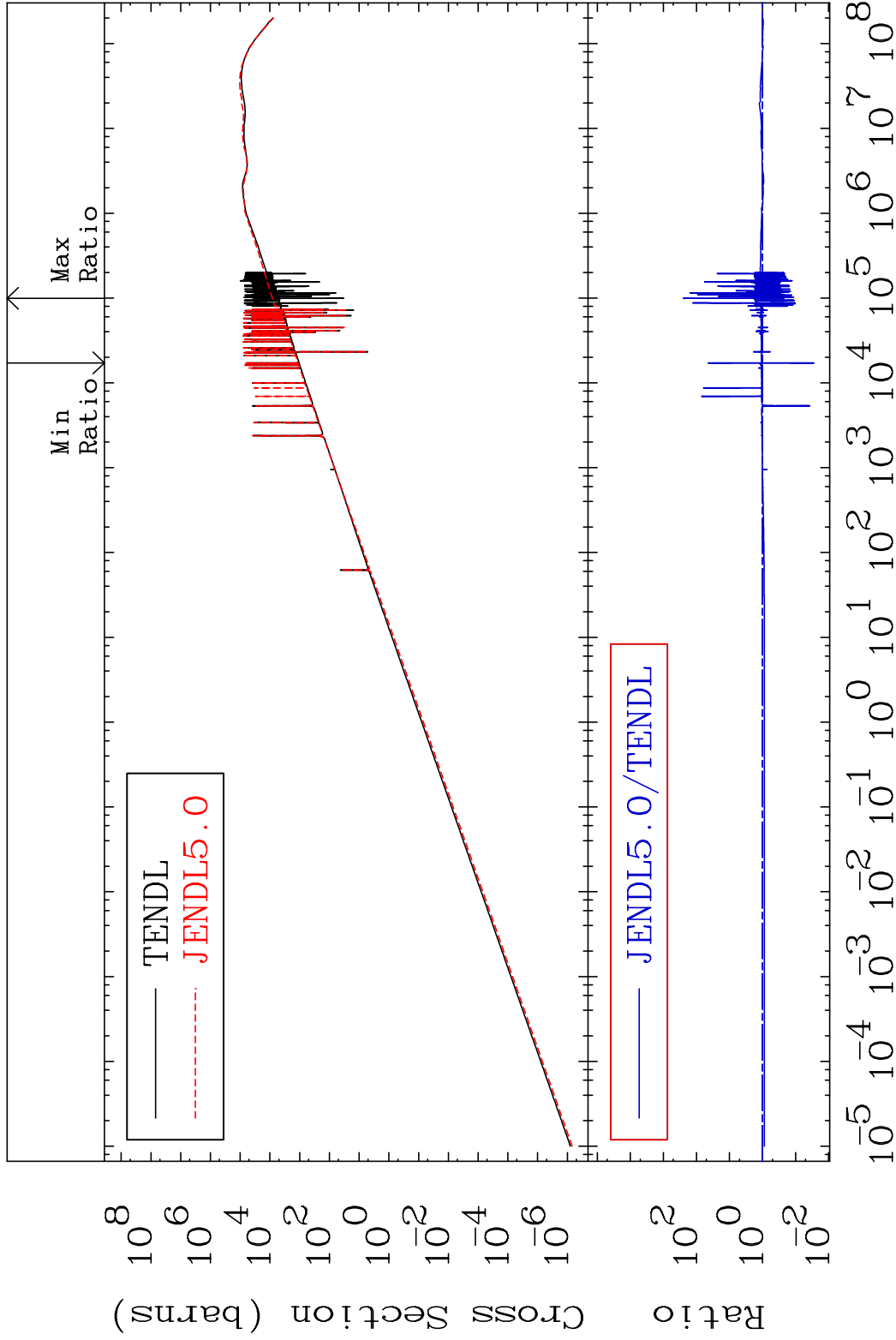


40 Incident Energy (eV) 50-Sn-124

MAT 5061 Kerma total (eV-barns) 50-Sn-124
 Cross Section -97.23 To 9999. %

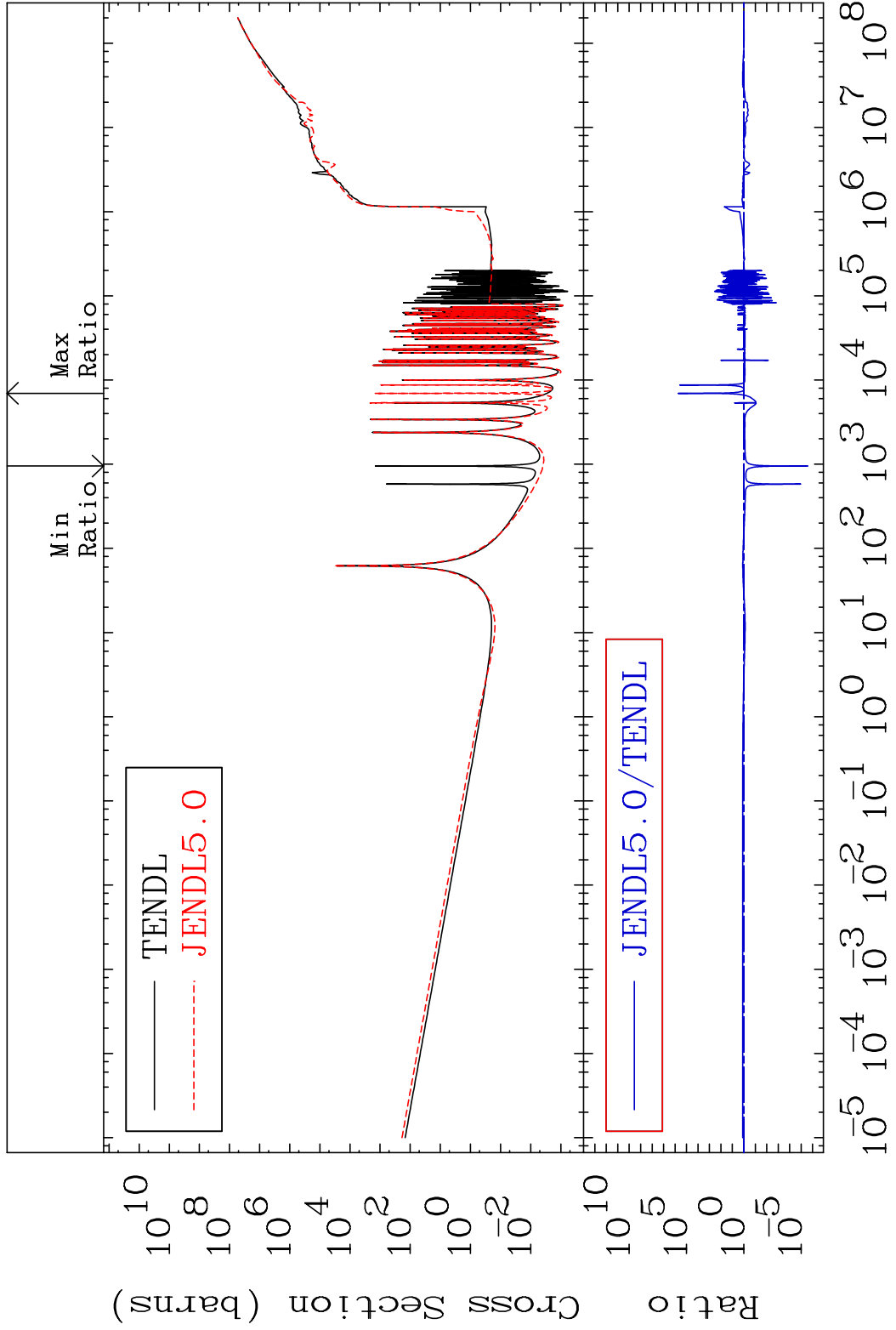


MAT 5061 Kerma elastic 50-Sn-124
 Cross Section -97.21 To 9999. %



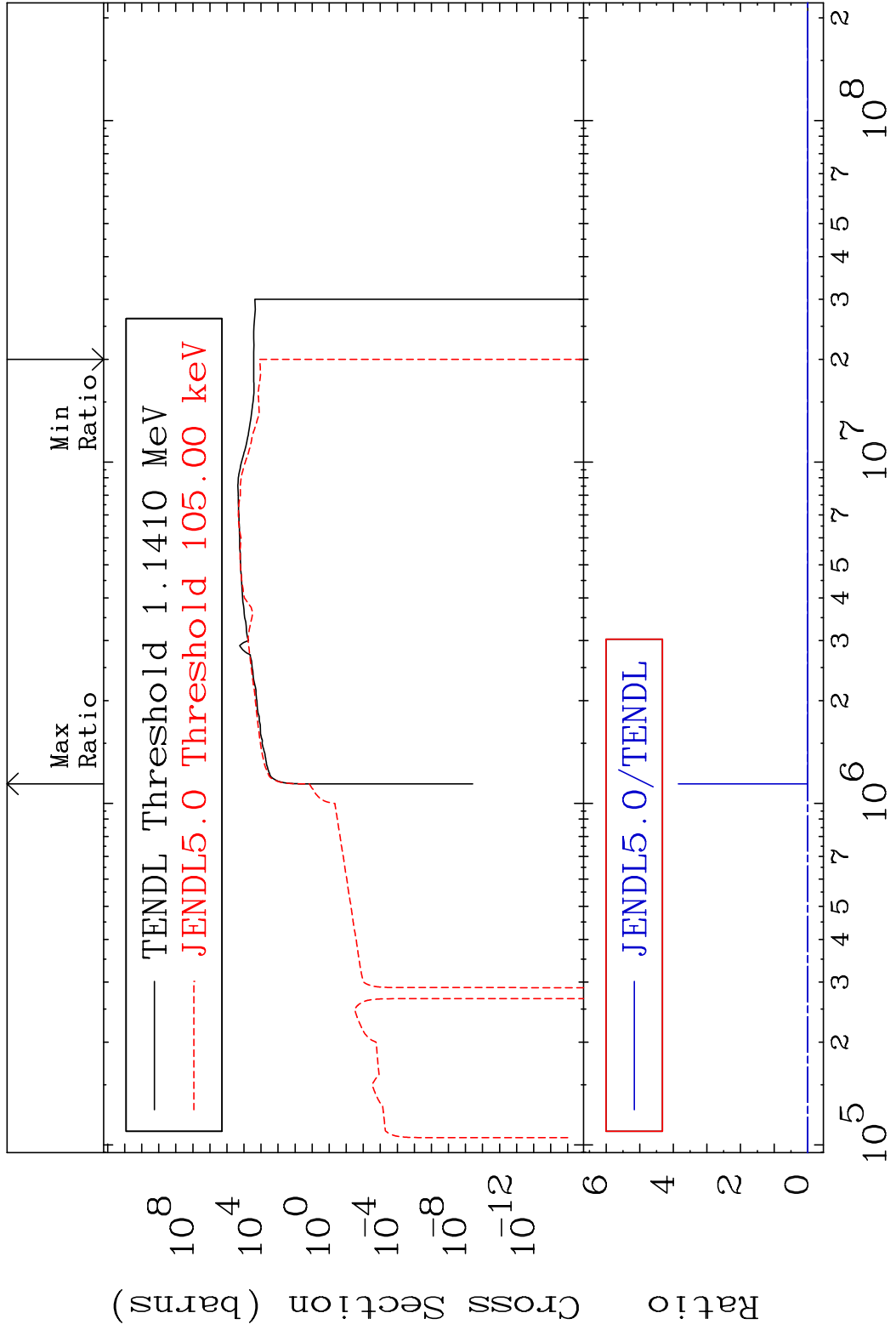
42 Incident Energy (eV) 50-Sn-124

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



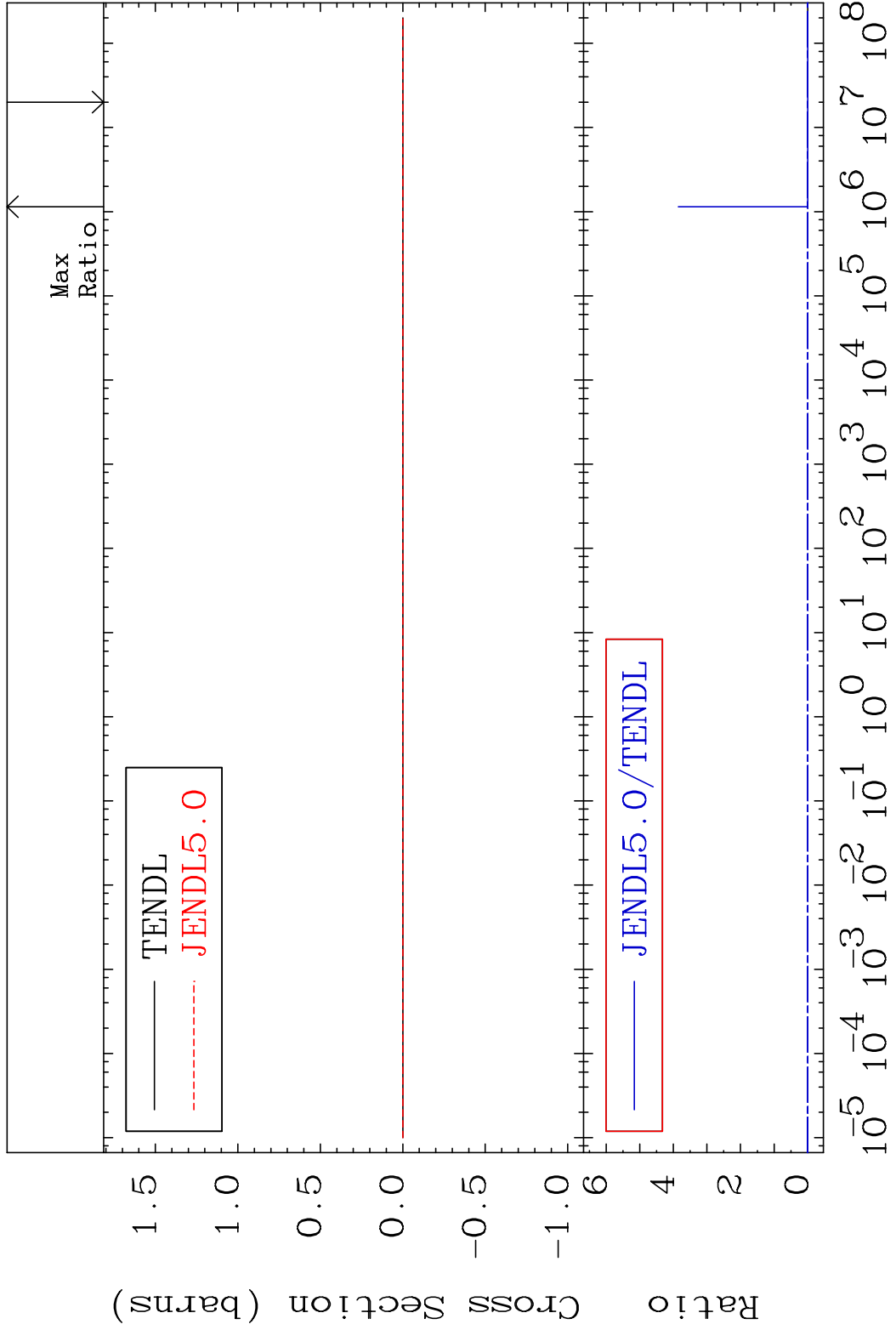
43 Incident Energy (eV) 50-Sn-124

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



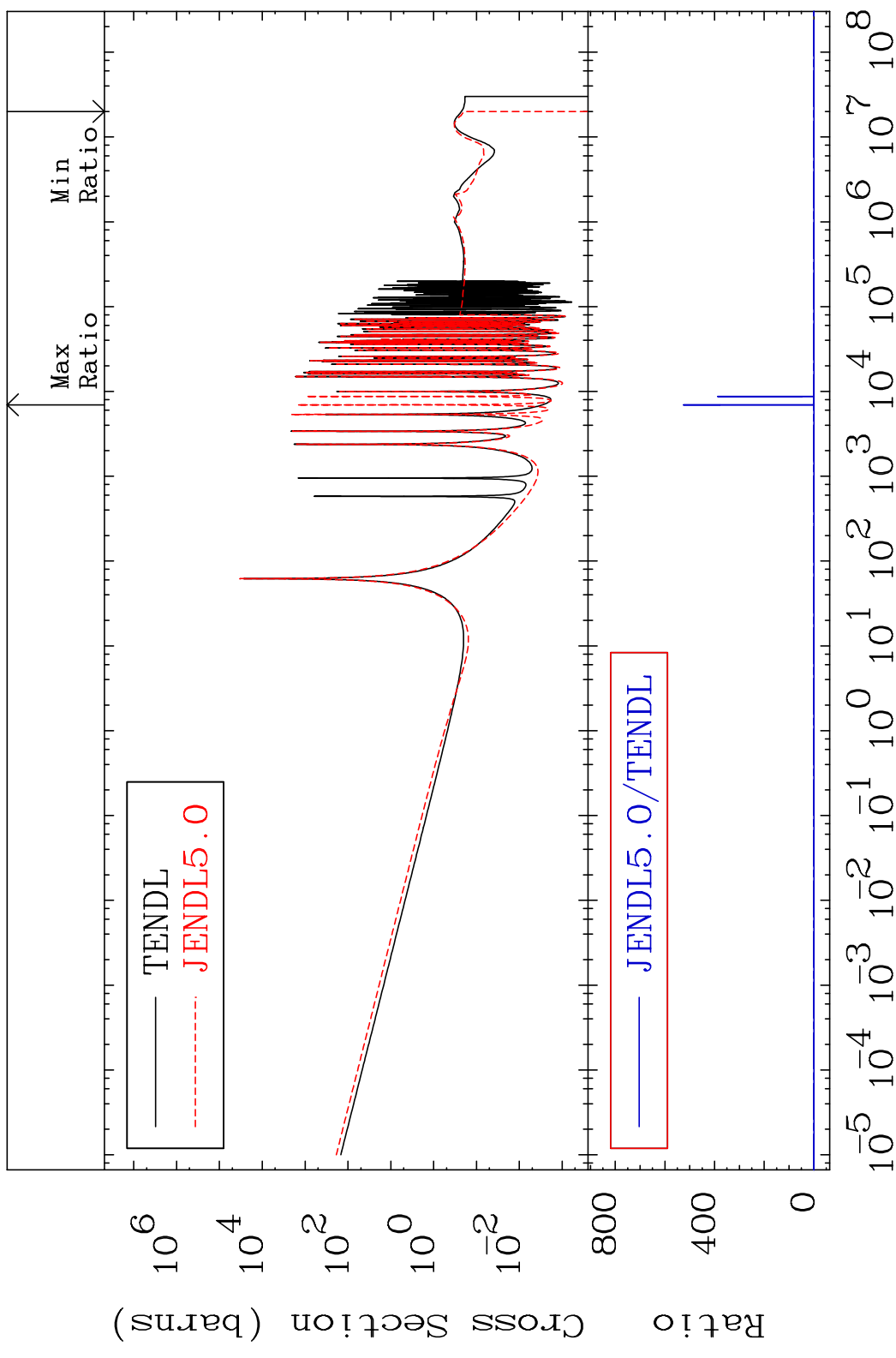
44 Incident Energy (eV) 50-Sn-124

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



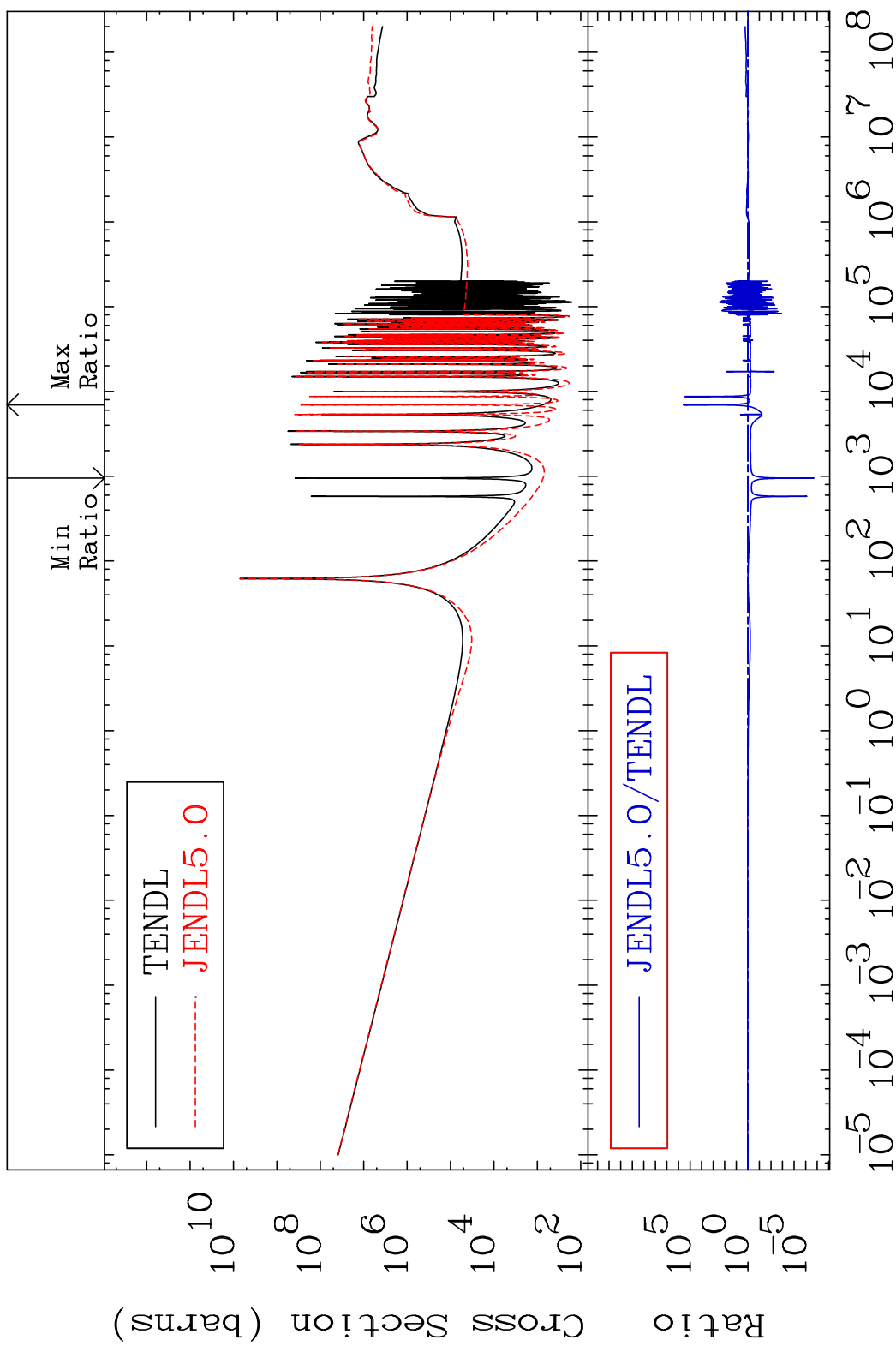
45 Incident Energy (eV) 50-Sn-124

MAT 5061 Kerma capture (mt102) 50-Sn-124
 Cross Section -100.0 To 9999. %



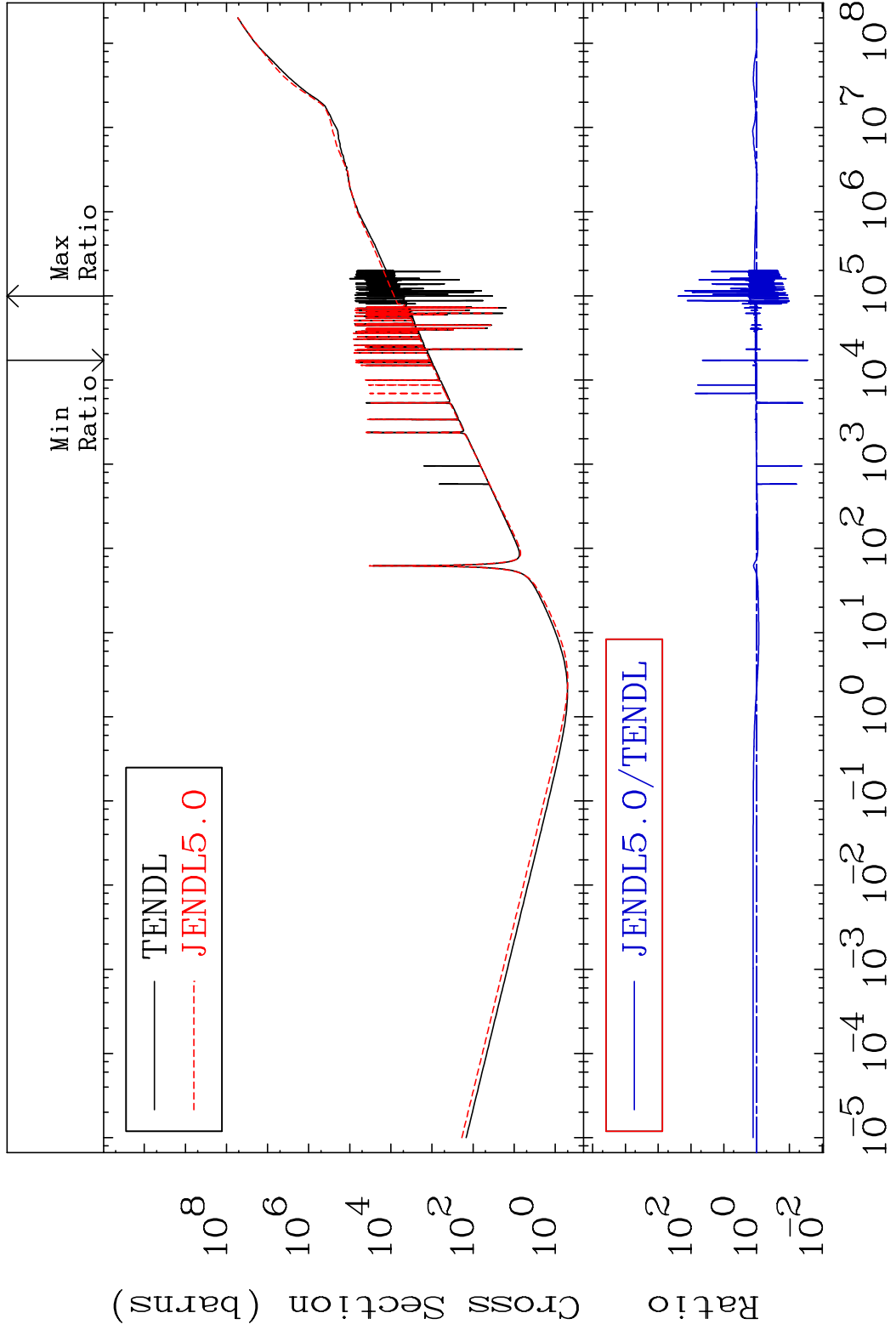
46 Incident Energy (eV) 50-Sn-124

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

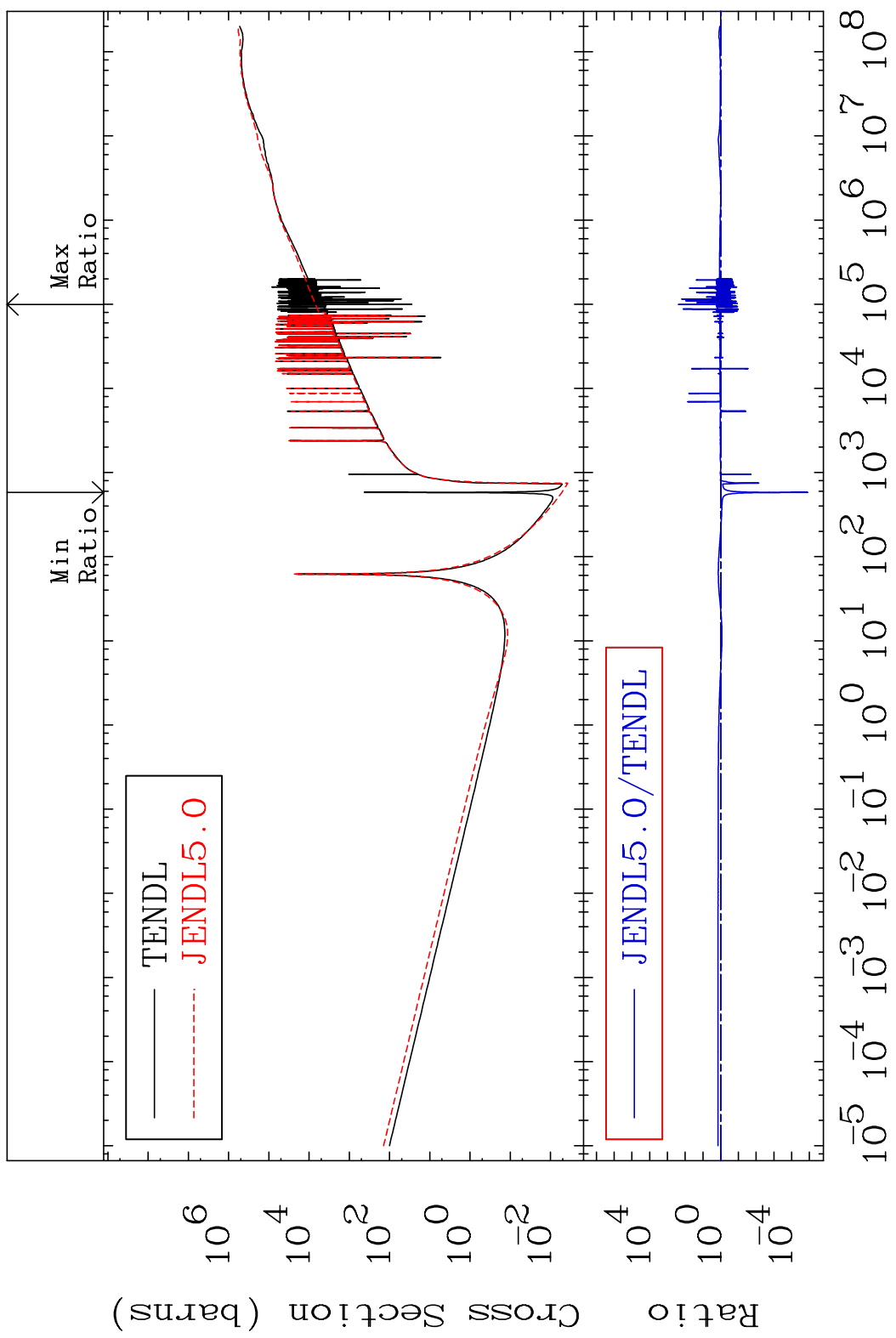


47 Incident Energy (eV) 50-Sn-124

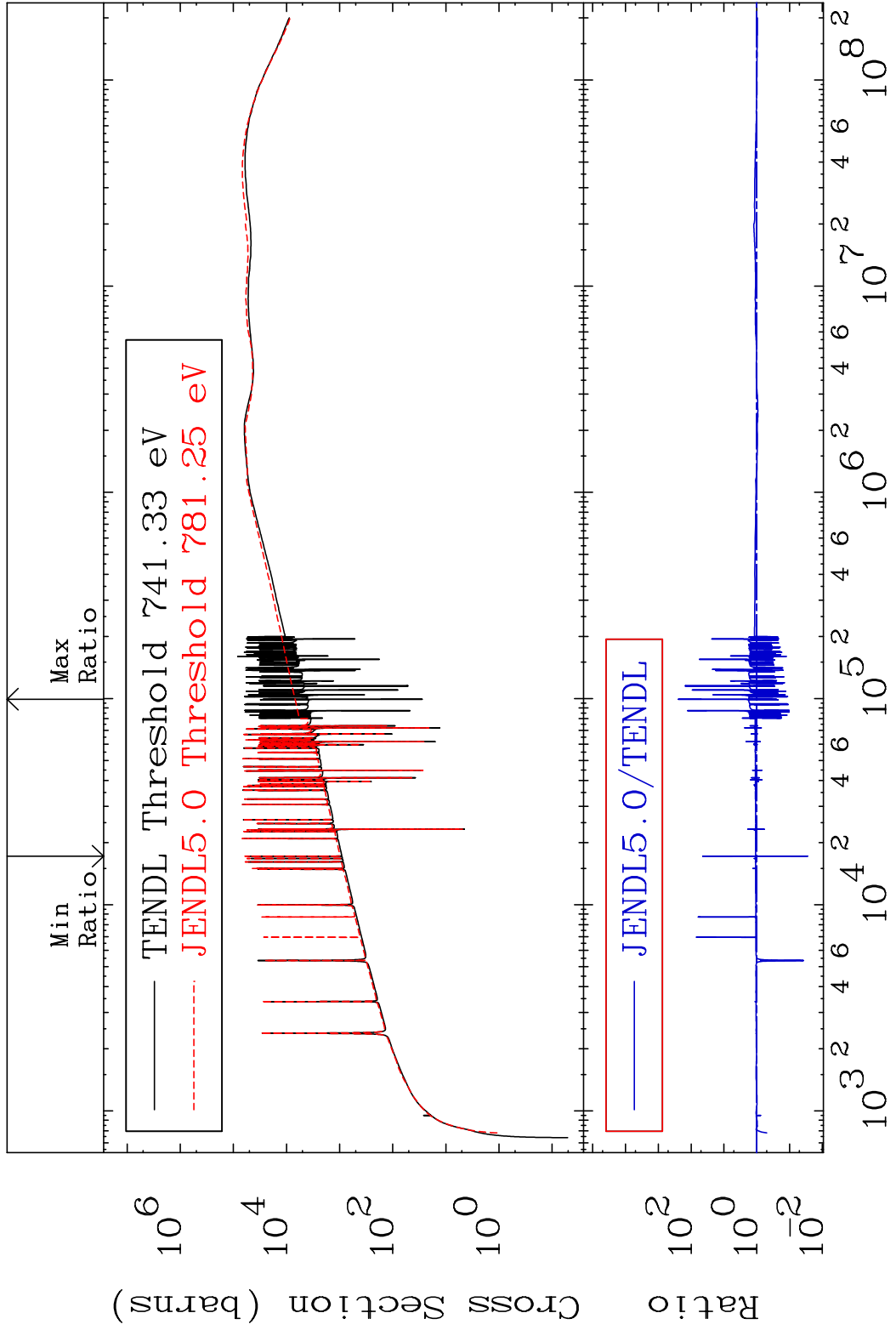
MAT 5061 Total kinematic kerma (high limit) 50-Sn-124
 Cross Section -97.23 To 9999. %



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

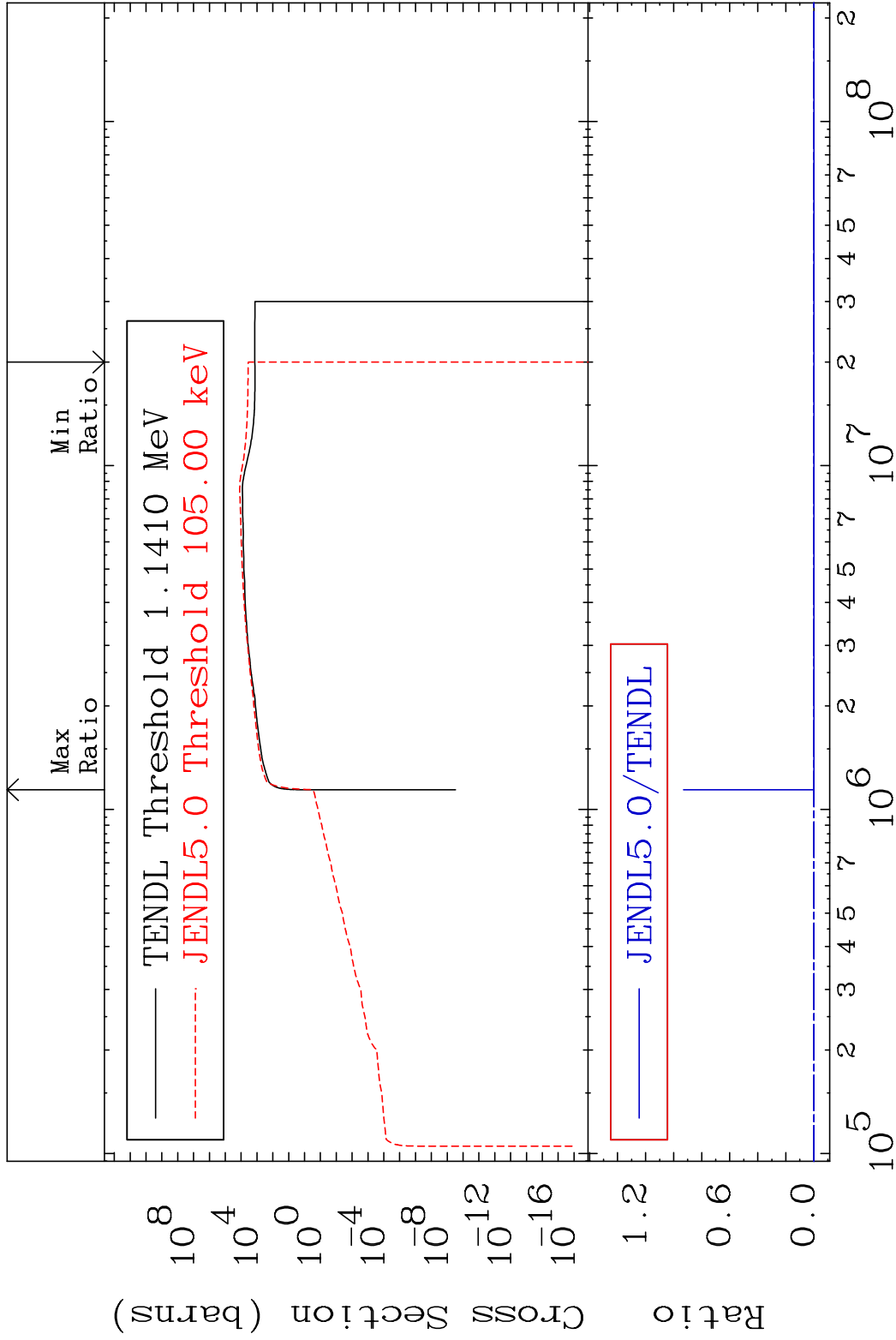


MAT 5061 Dpa elastic (mt2) 50-Sn-124
 Cross Section -97.21 To 9999. %



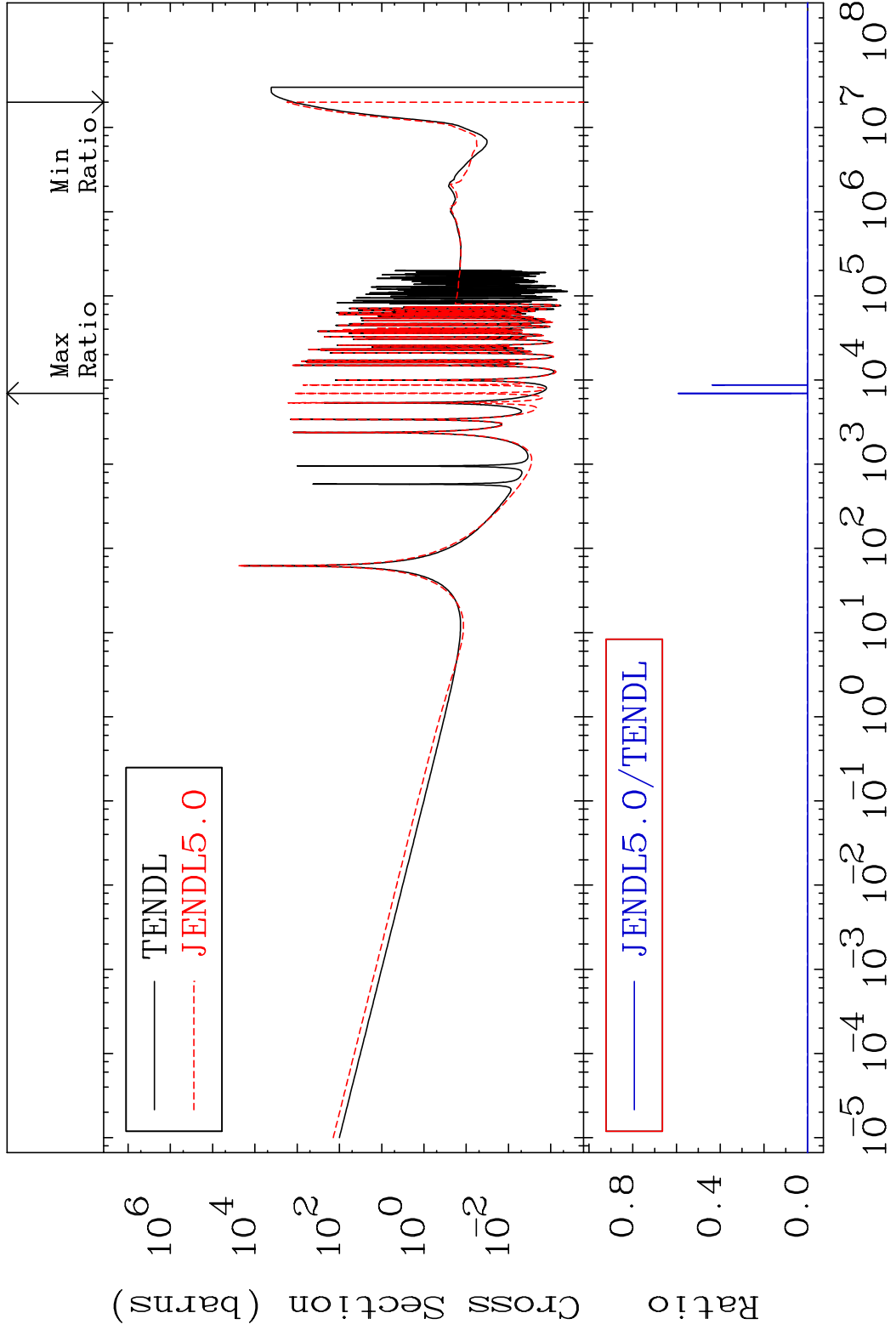
50 Incident Energy (eV) 50-Sn-124

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



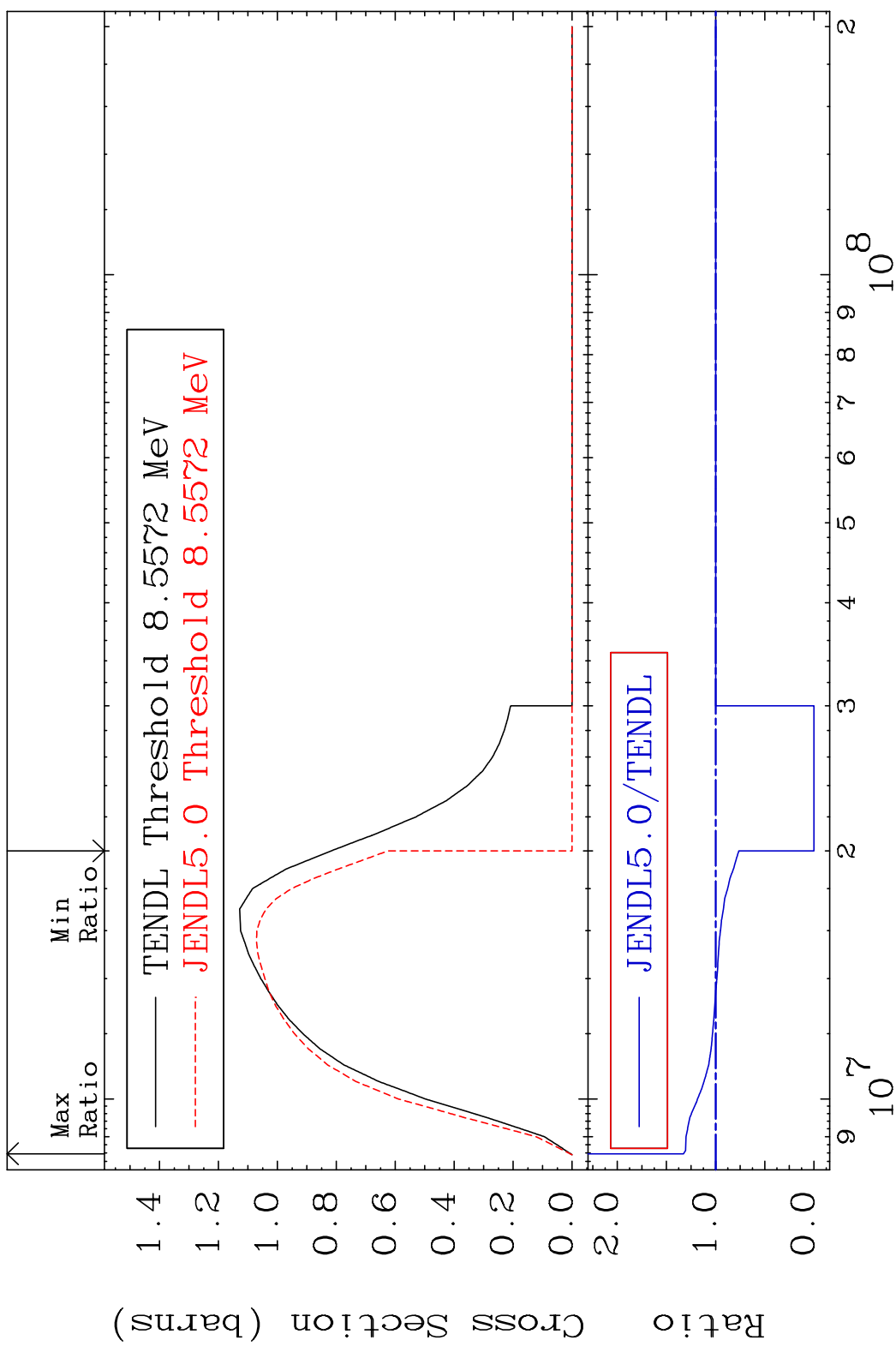
51 Incident Energy (eV) 50-Sn-124

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

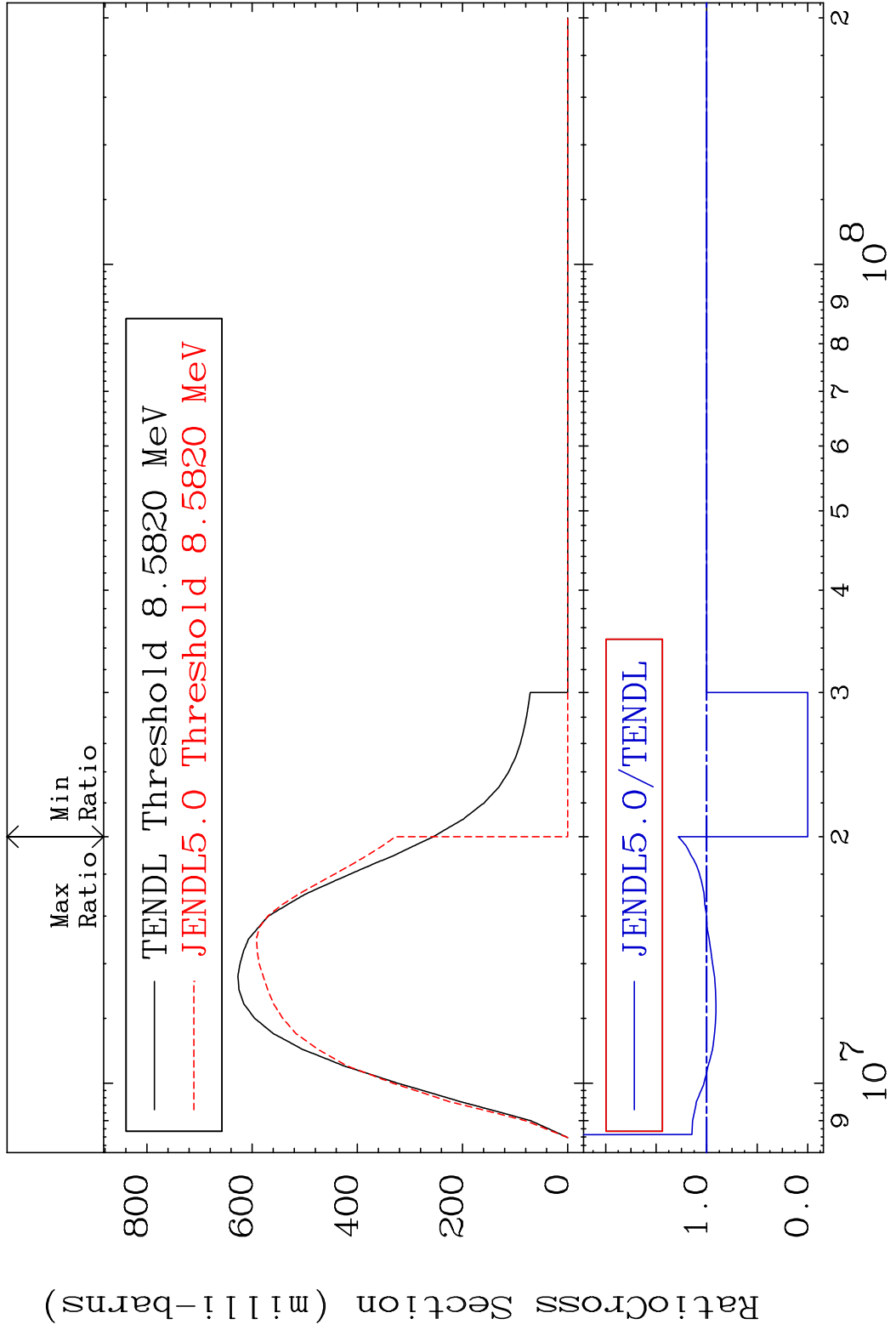


52 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,2n):50-Sn-123g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 32.71 %

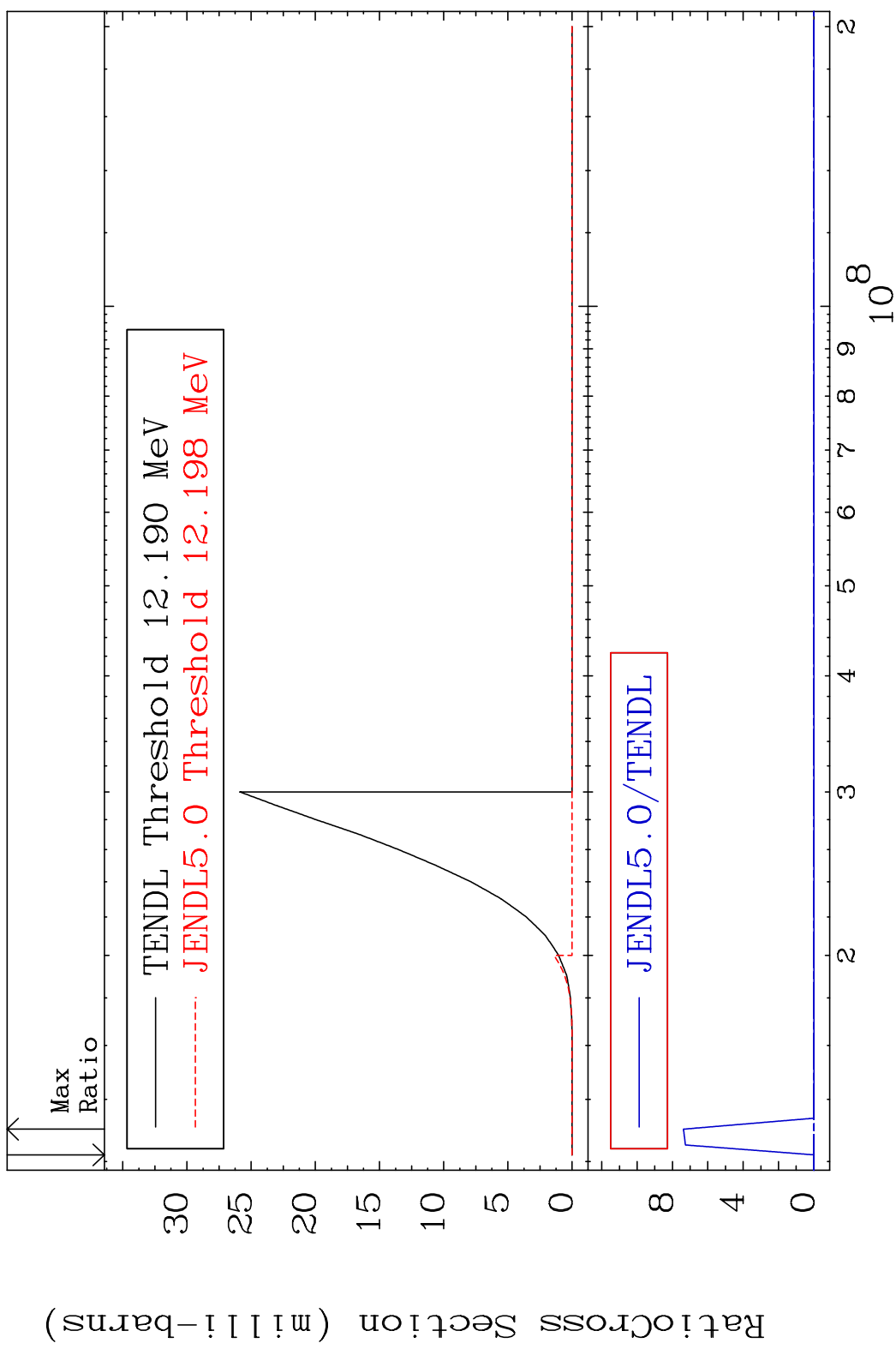


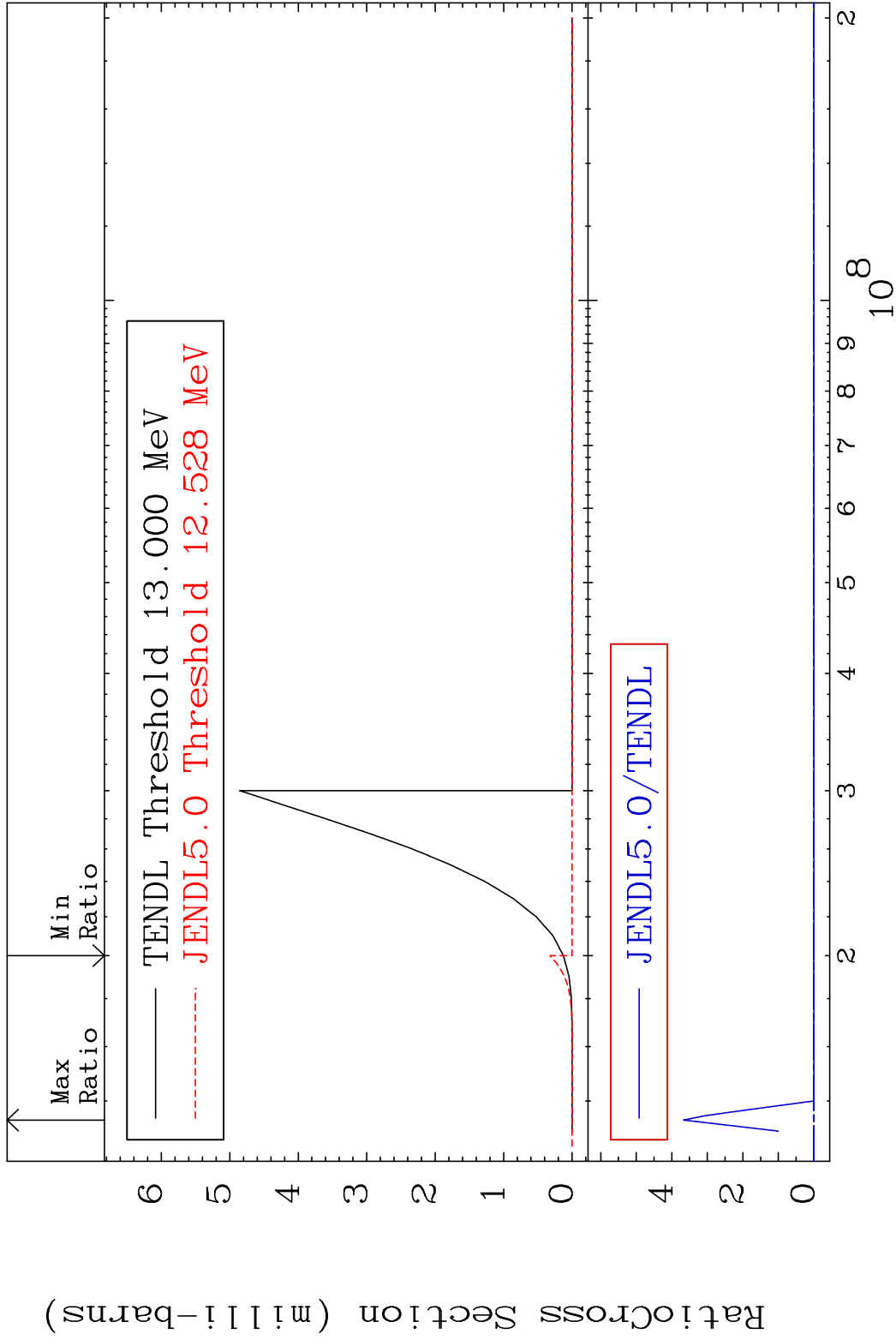
MAT 5061 (n, 2n):50-Sn-123m1 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 28.15 %



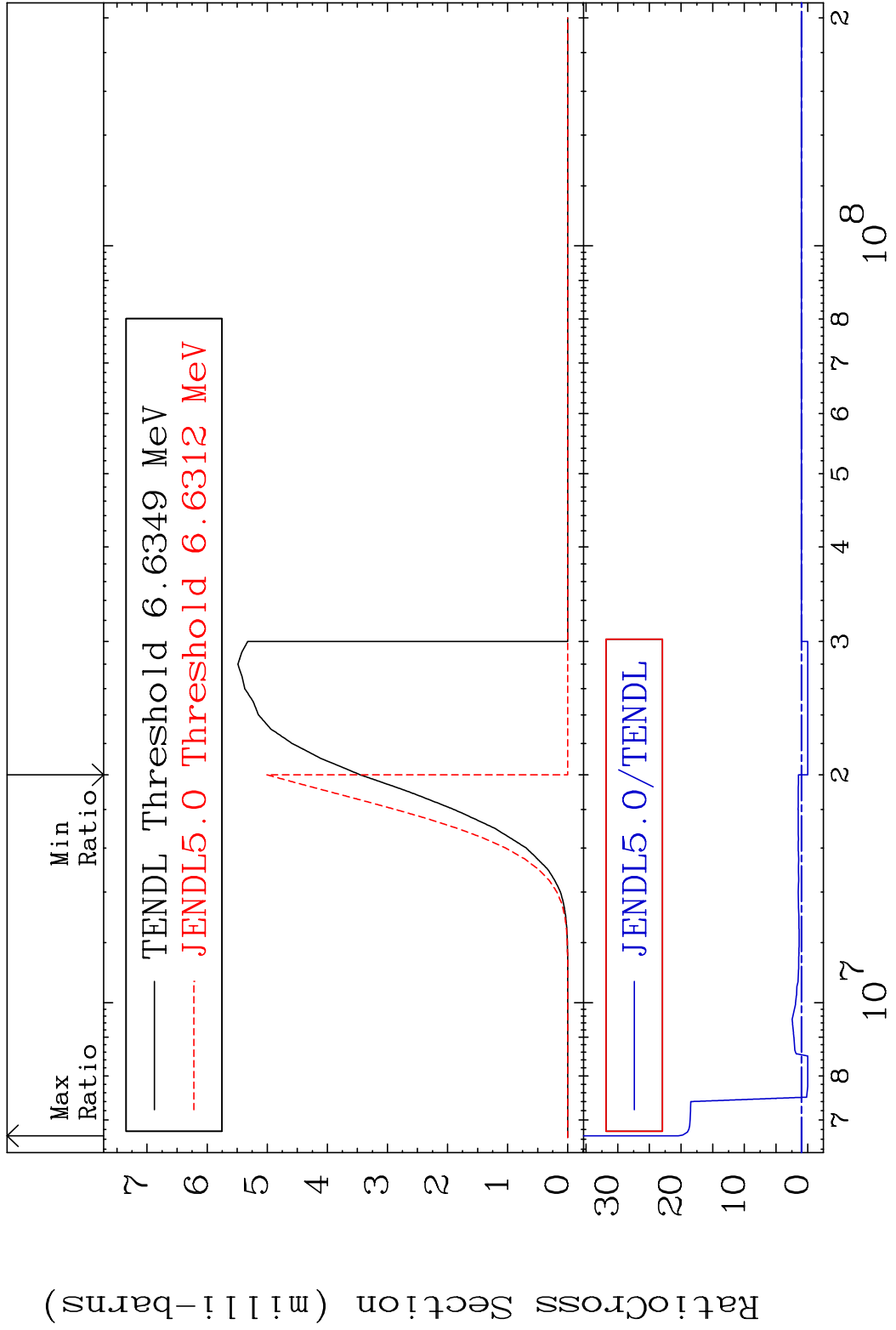
54 50-Sn-124

MAT 5061 (n, n') p:49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 10000 to 9999. %



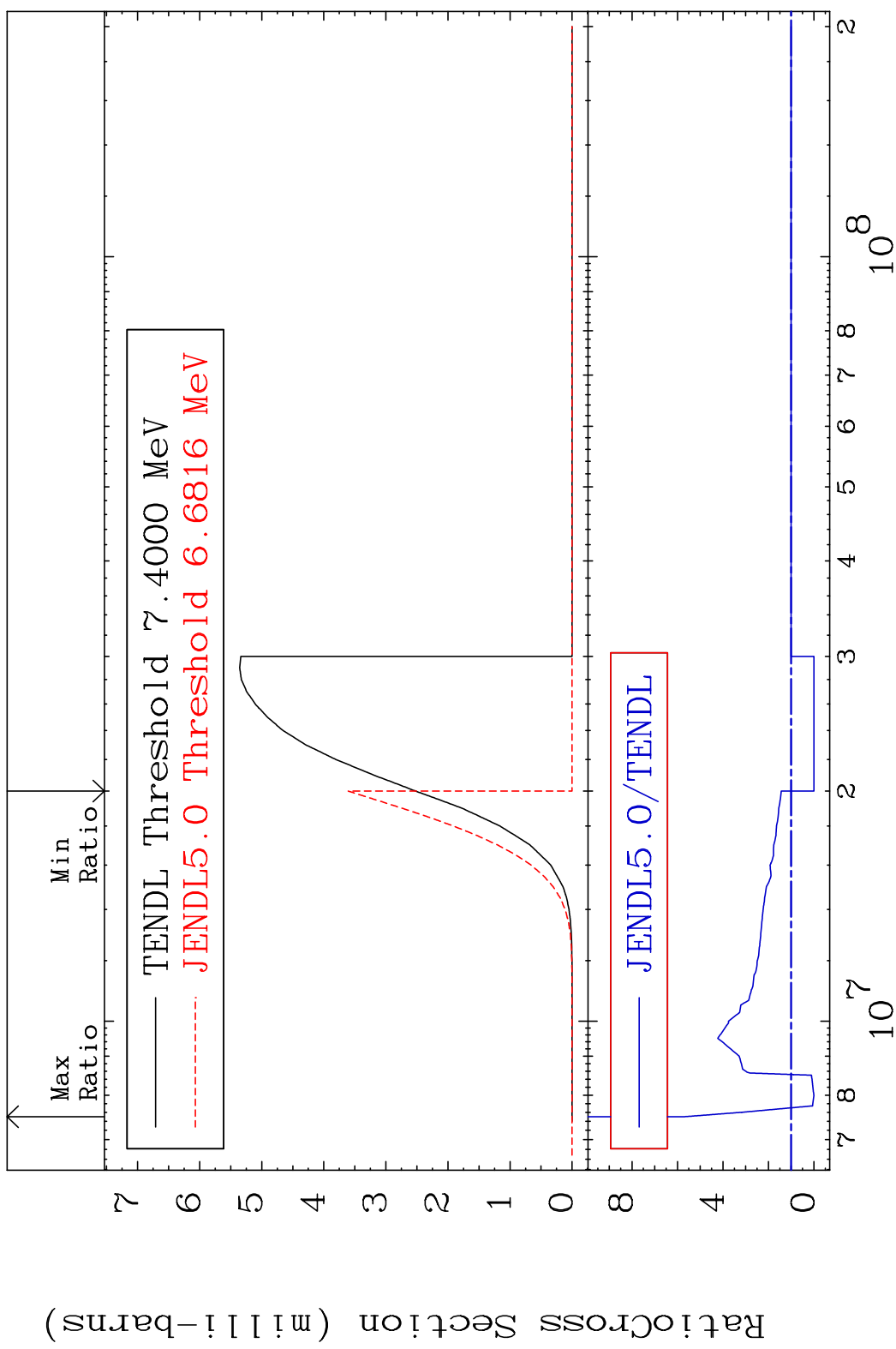


MAT 5061 (n,p):49-In-124g 50-Sn-124
 Radionuclide Production Cross Section 1944. %



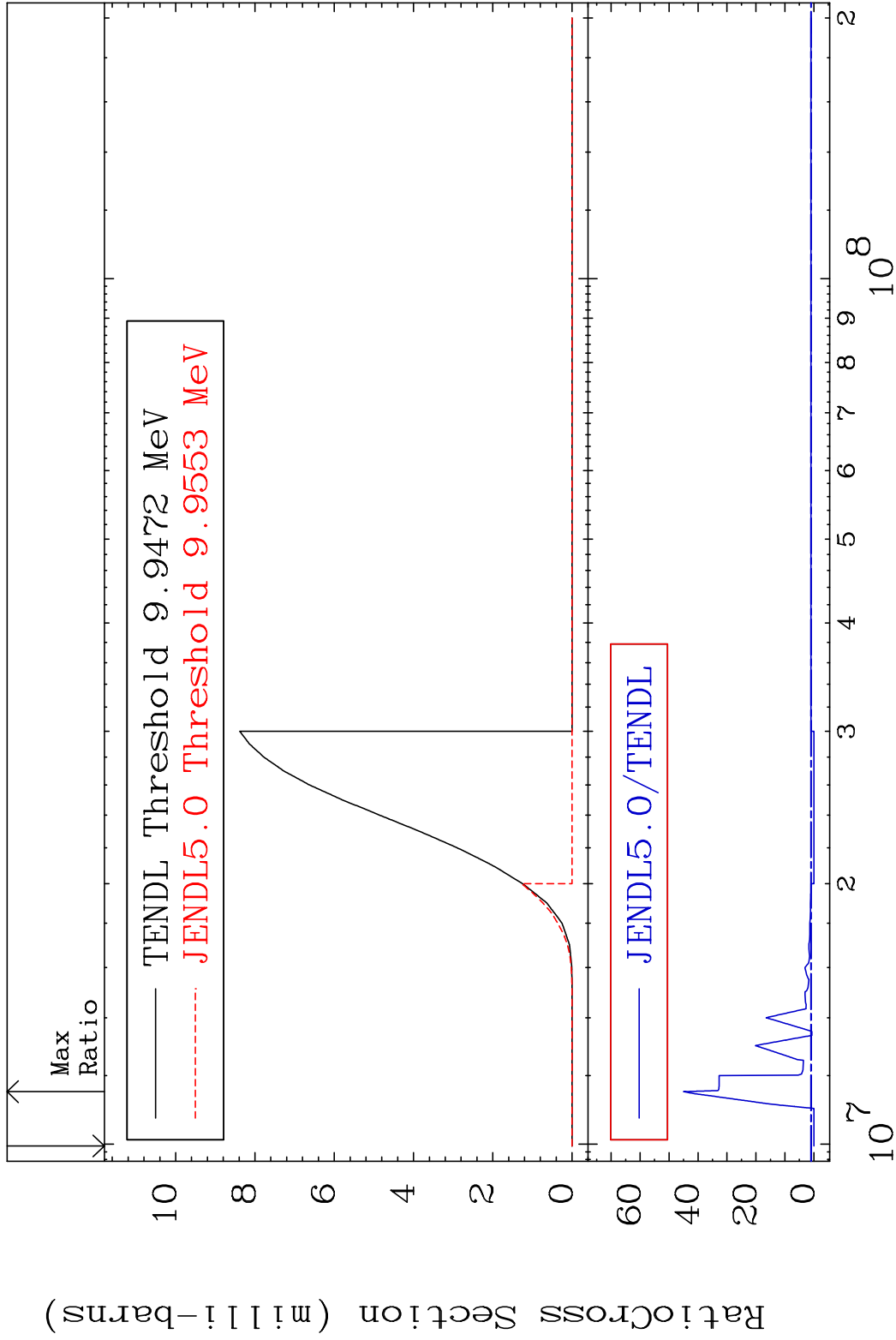
57 50-Sn-124

MAT 5061 (n, p) : 49-In-124m2 50-Sn-124
 Radionuclide Production Cross Section 473.8 %



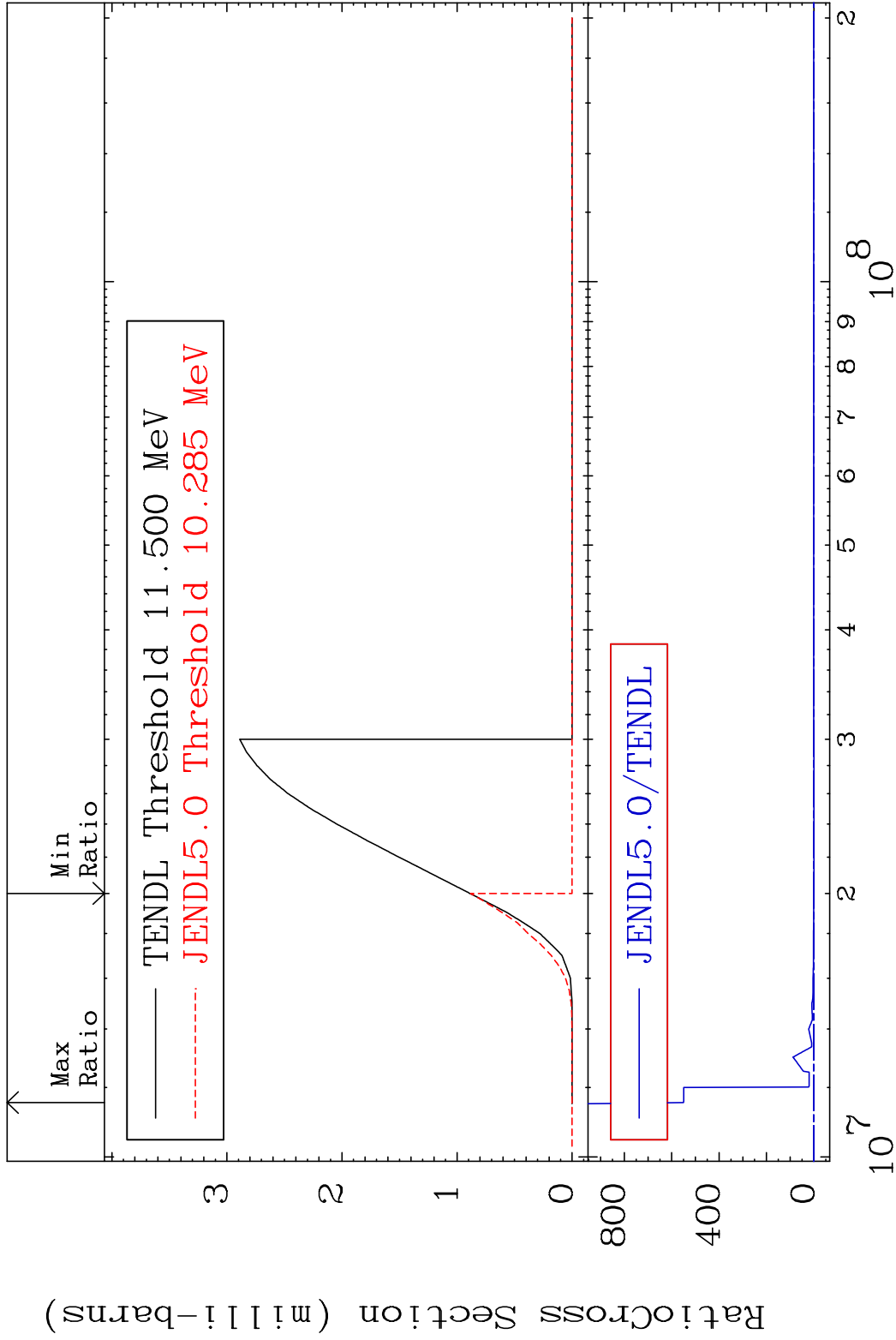
58 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,d):49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 4403. %

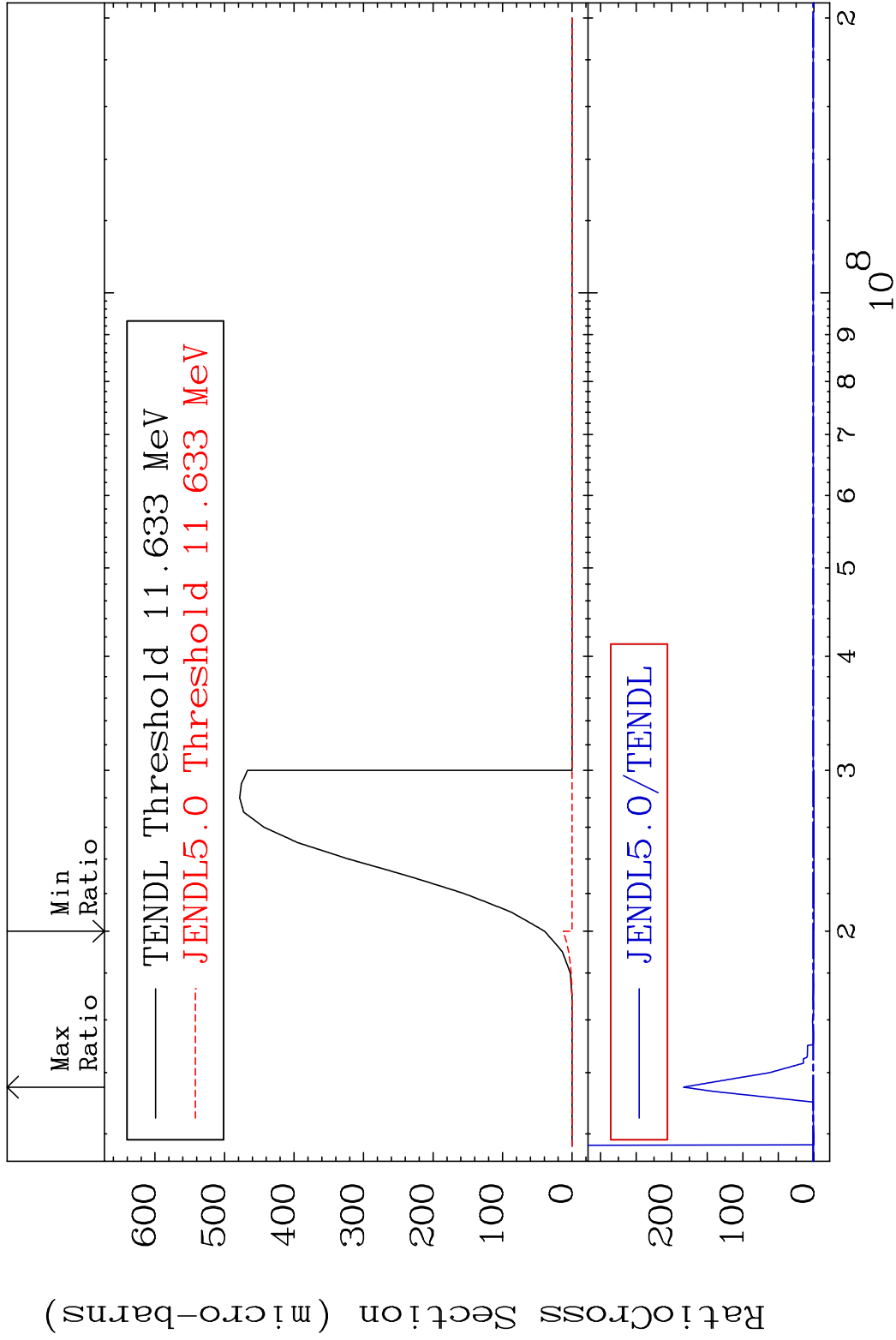


59 50-Sn-124

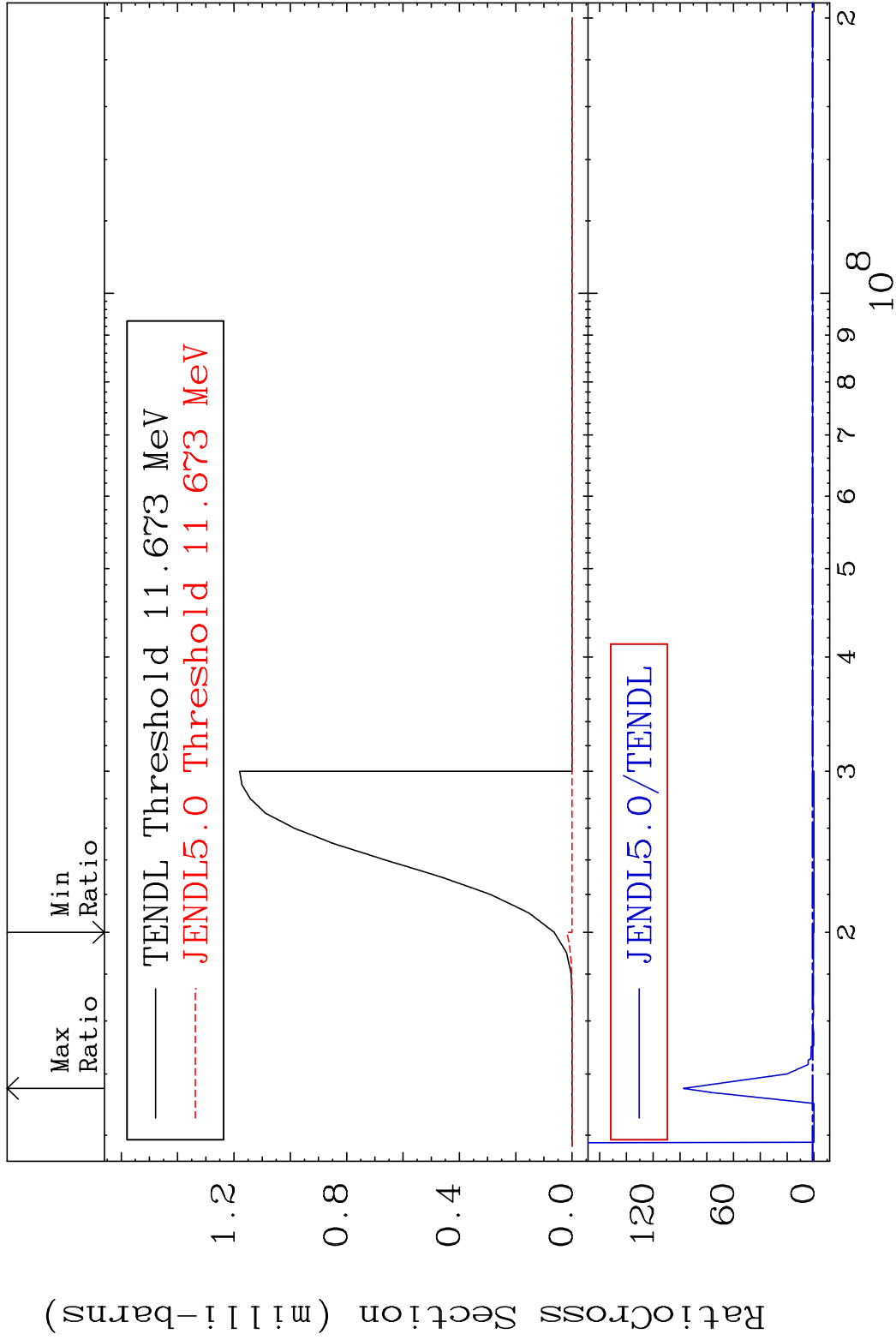
MAT 5061 (n, d):49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section 10000 d to 9999. %

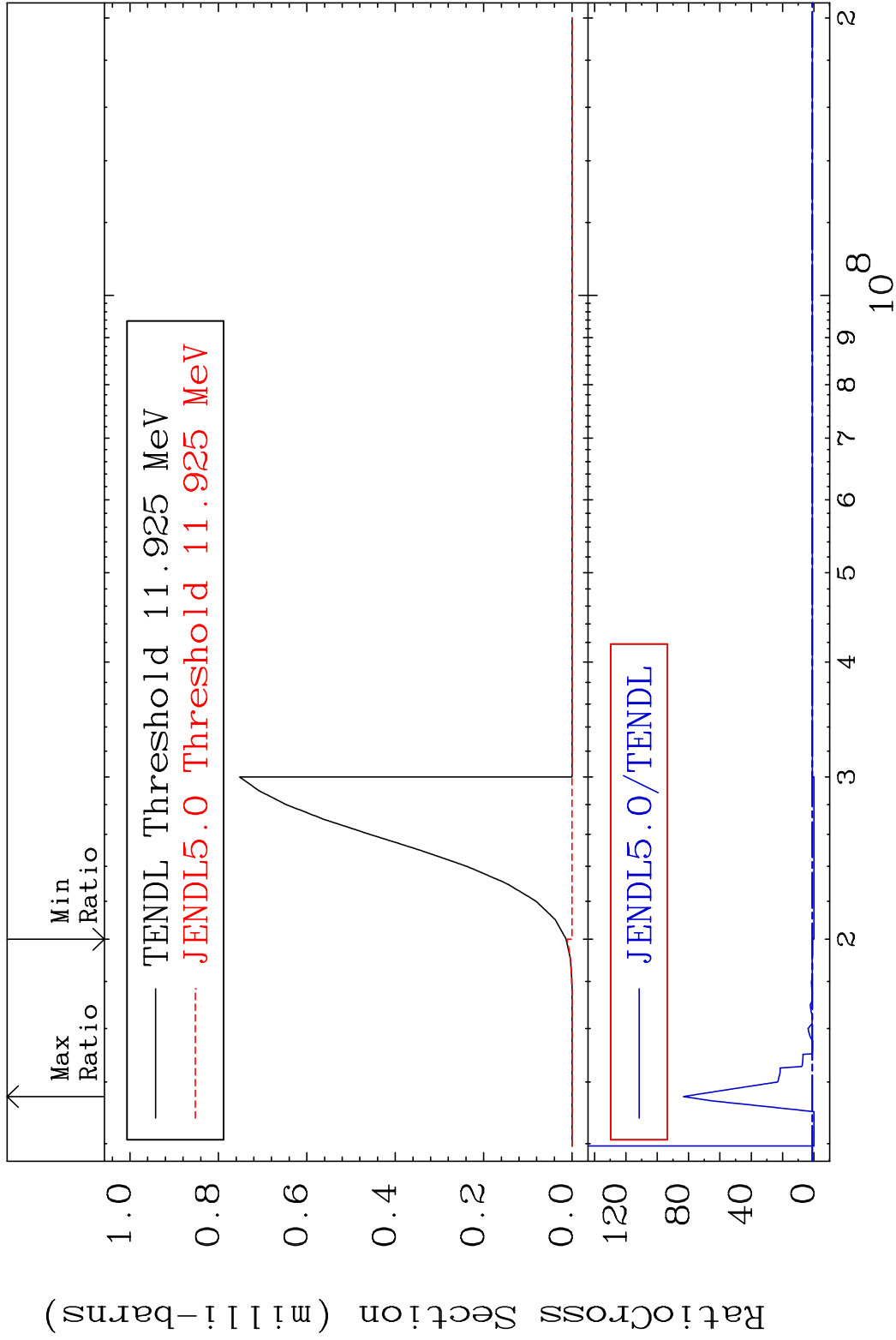


60 Incident Energy (eV) 50-Sn-124

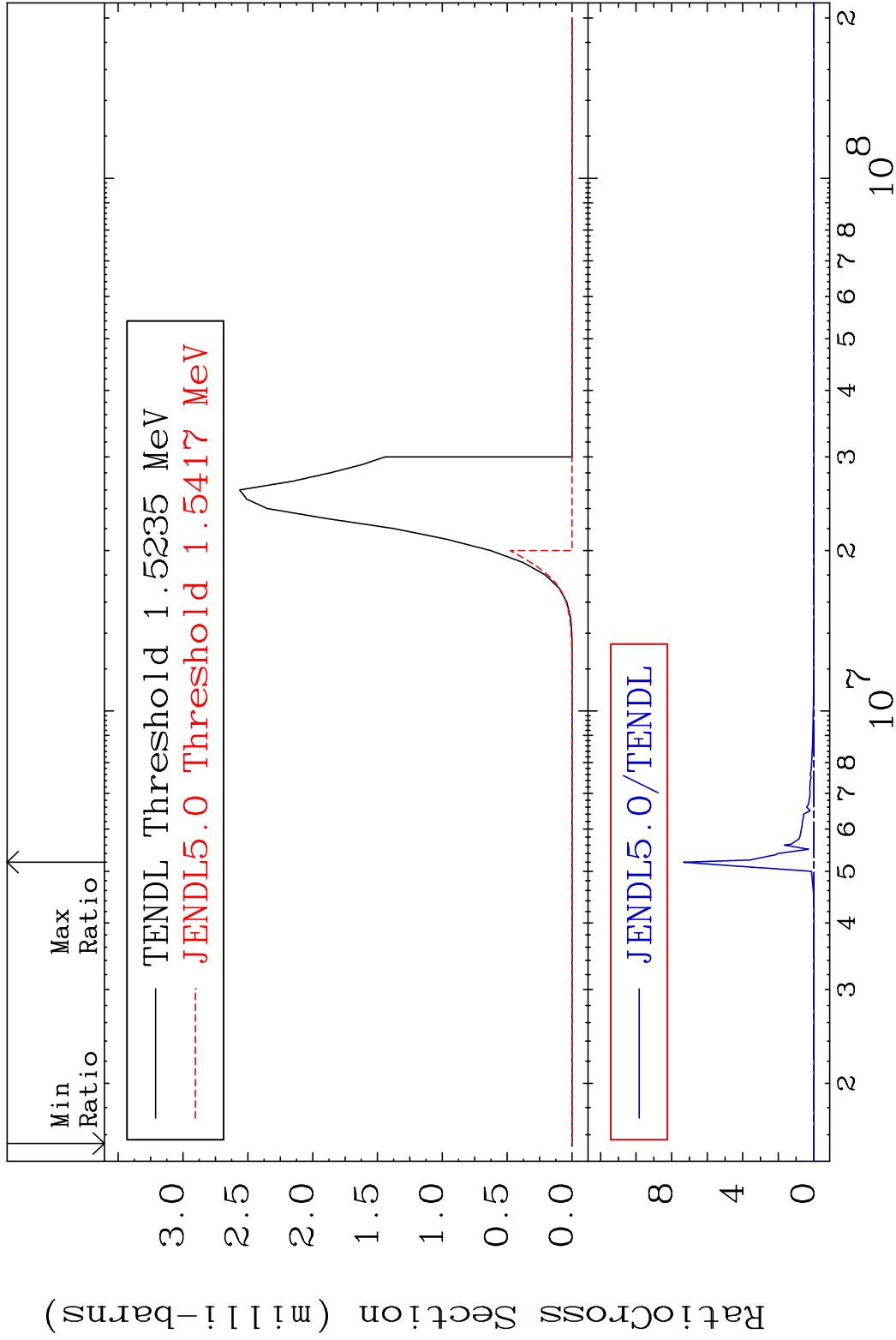


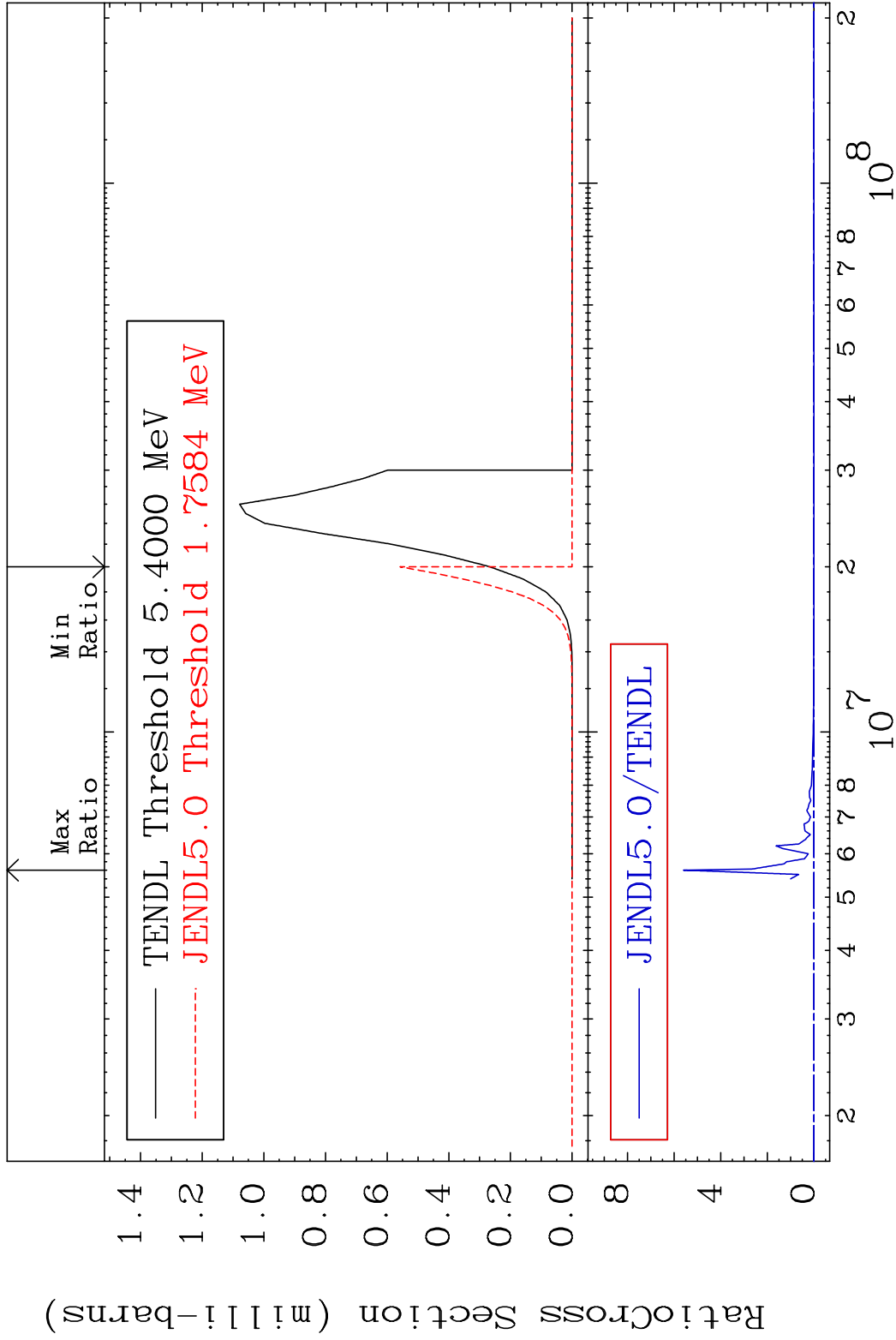
MAT 5061 (n, t):49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section to 9639. %



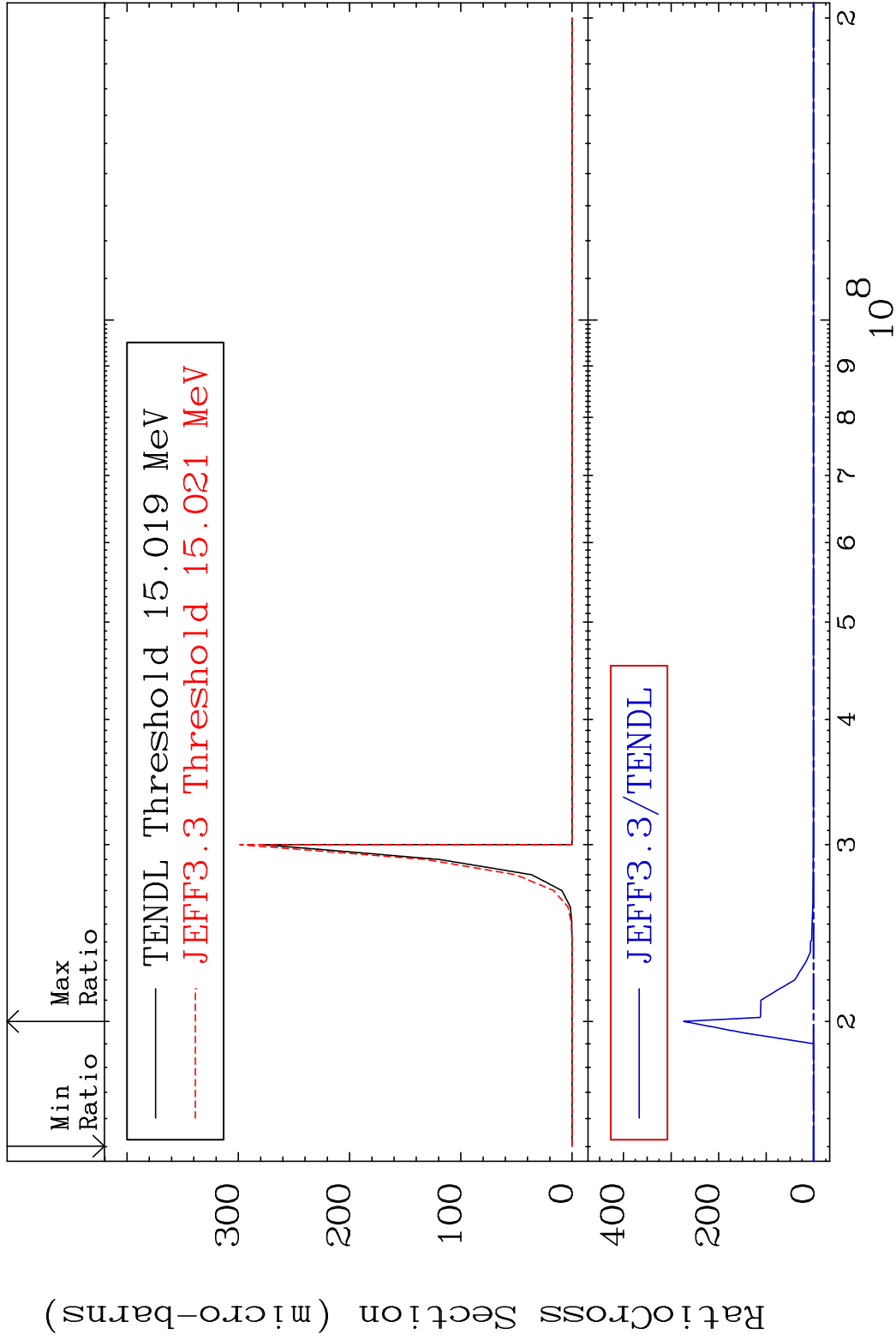


MAT 5061 (n, α): 48-Cd-121g 50-Sn-124
 Radionuclide Production Cross Section to 9999. %

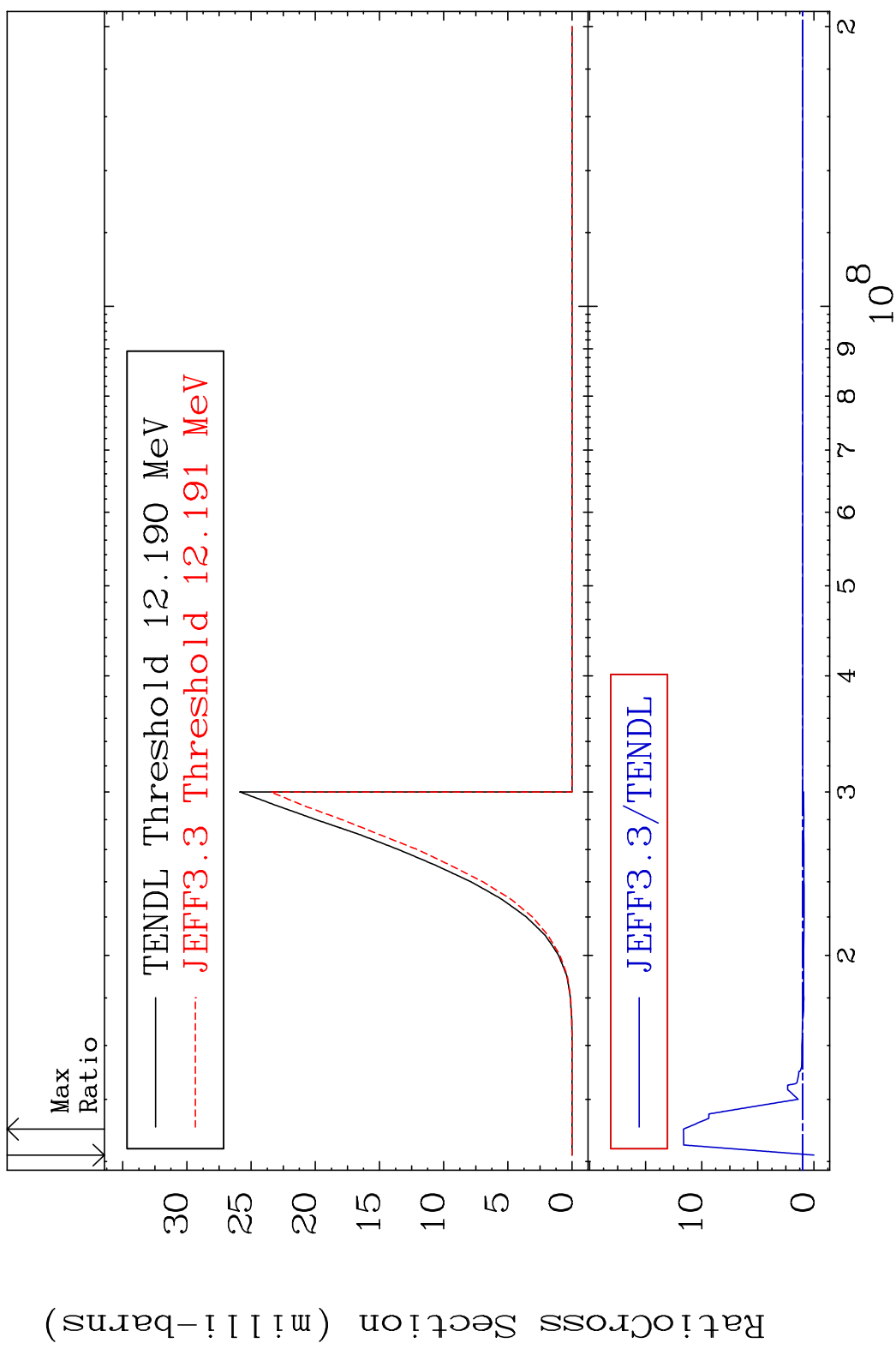




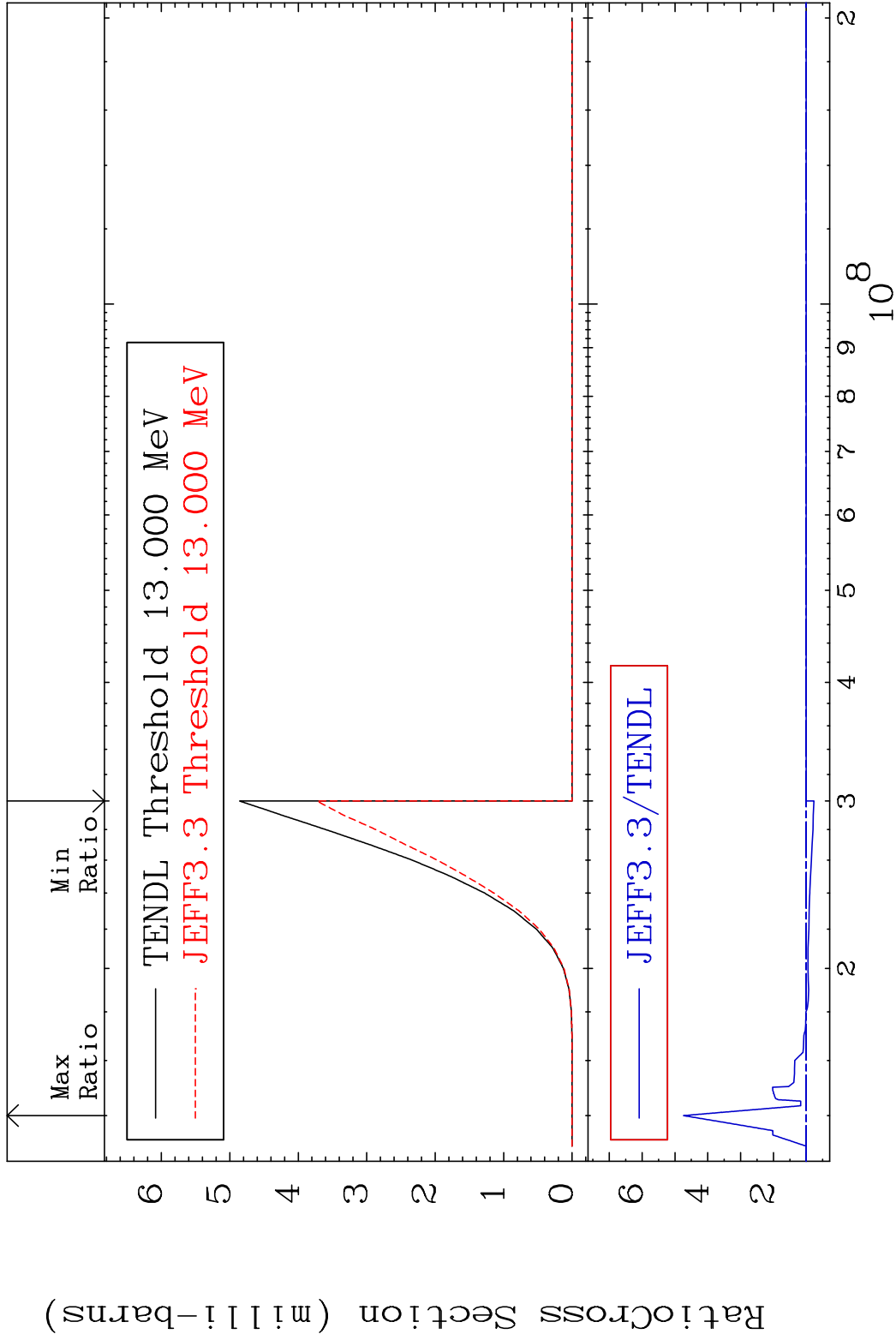
MAT 5061 (n,2n) α :48-Cd-119m2 50-Sn-124
 Radionuclide Production Cross Section 10000 to 9999. %



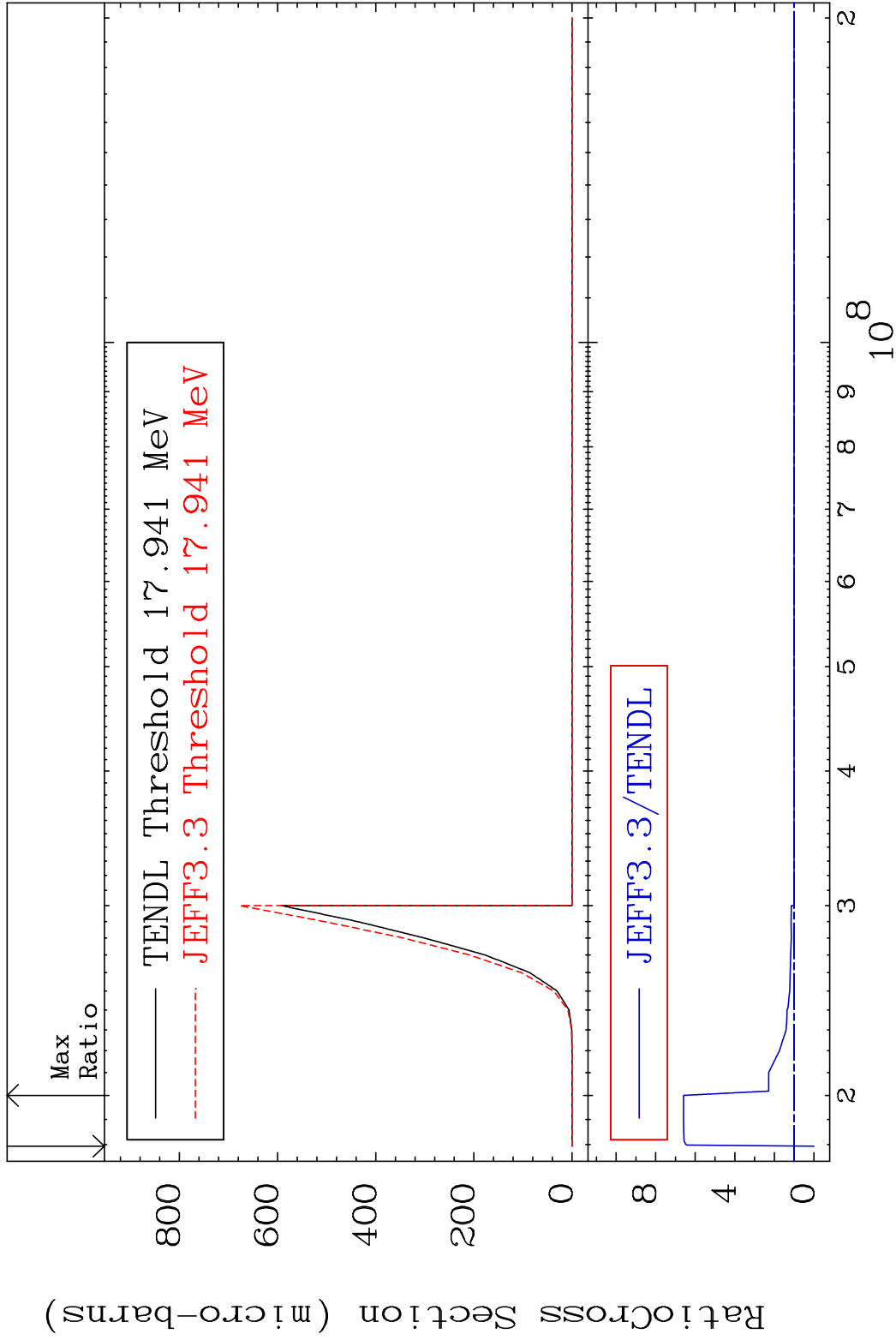
MAT 5061 (n, n') p:49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 100.00 dtd 1063. %



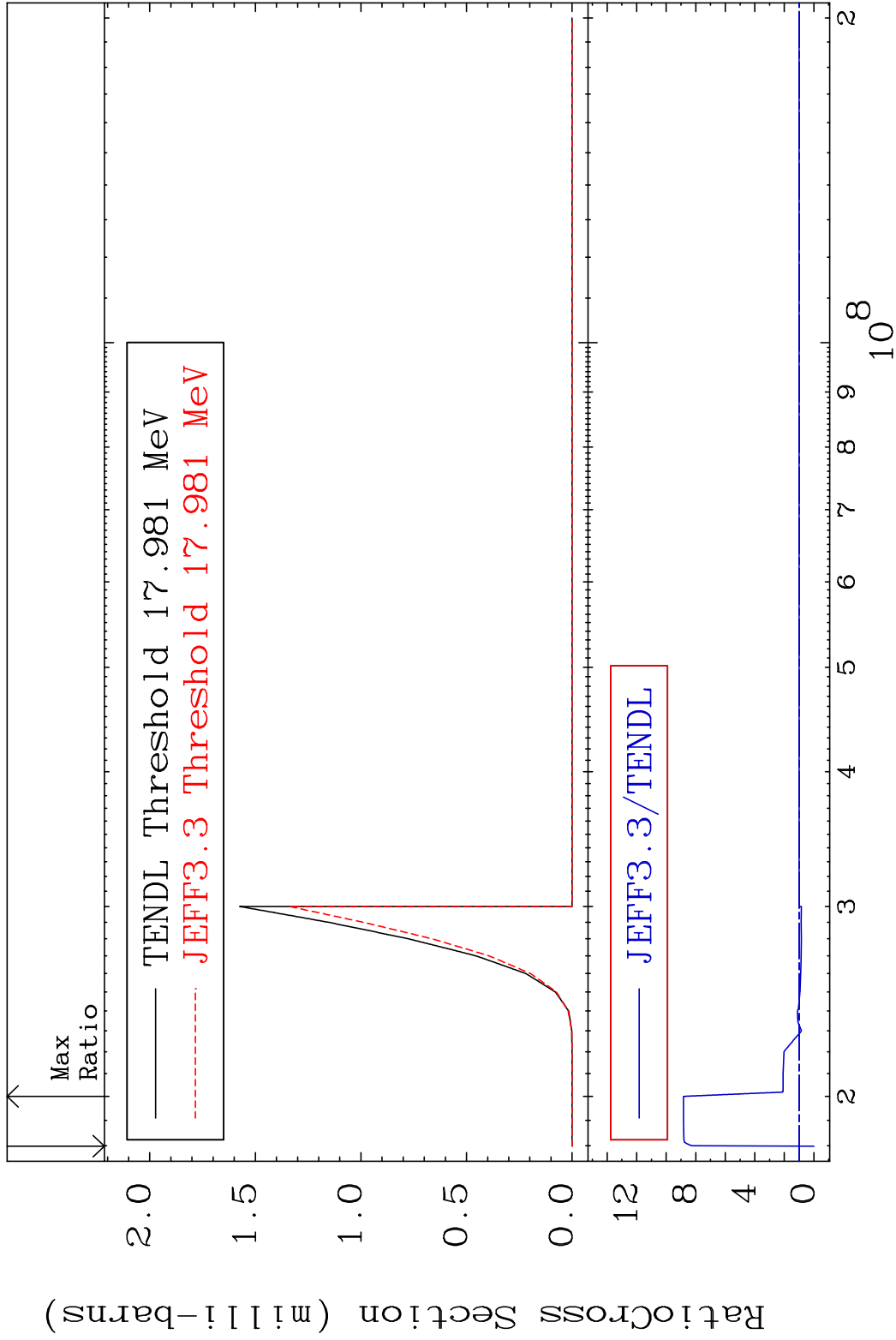
67 Incident Energy (eV) 50-Sn-124



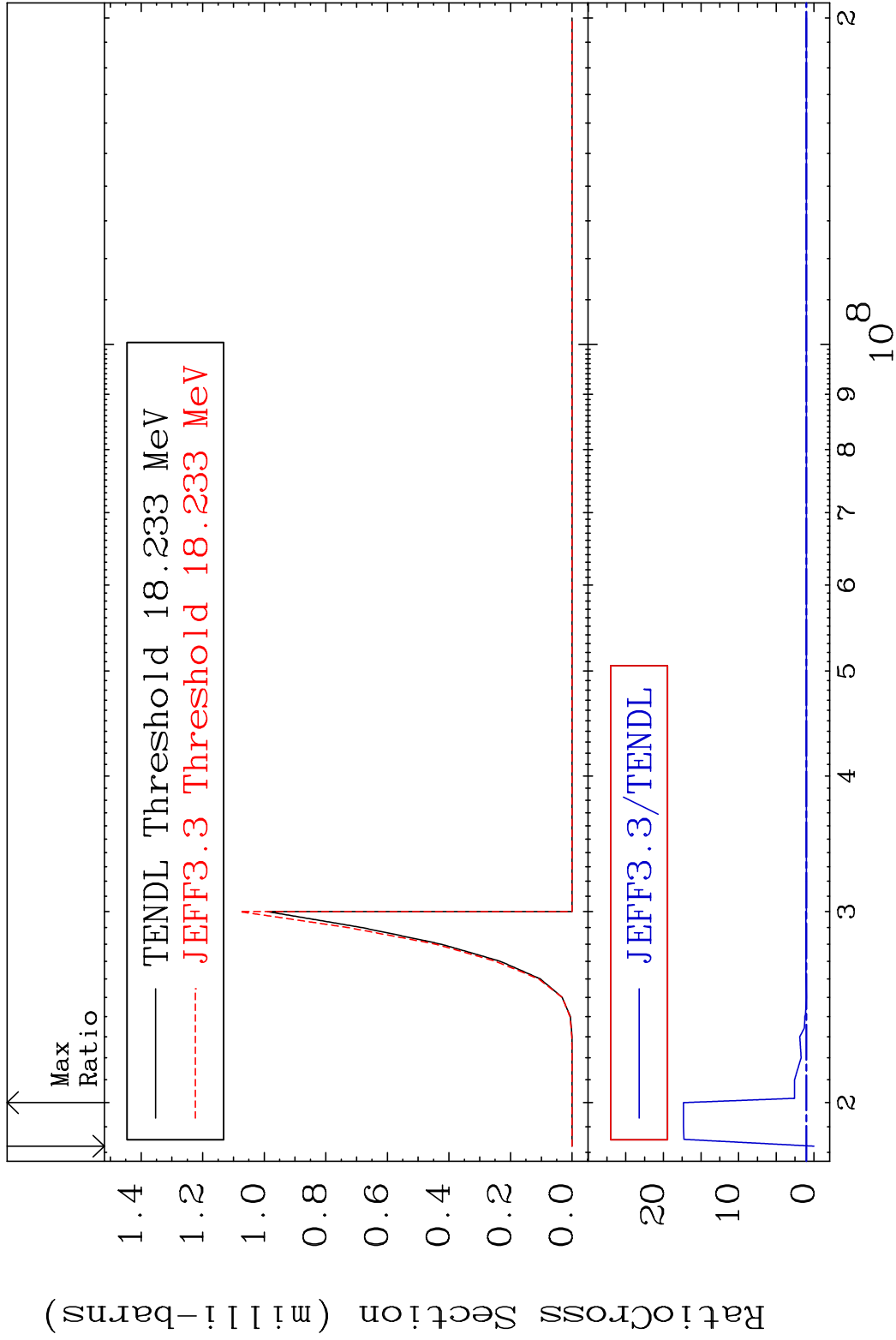
MAT 5061 (n, n') d:49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 559.6 %



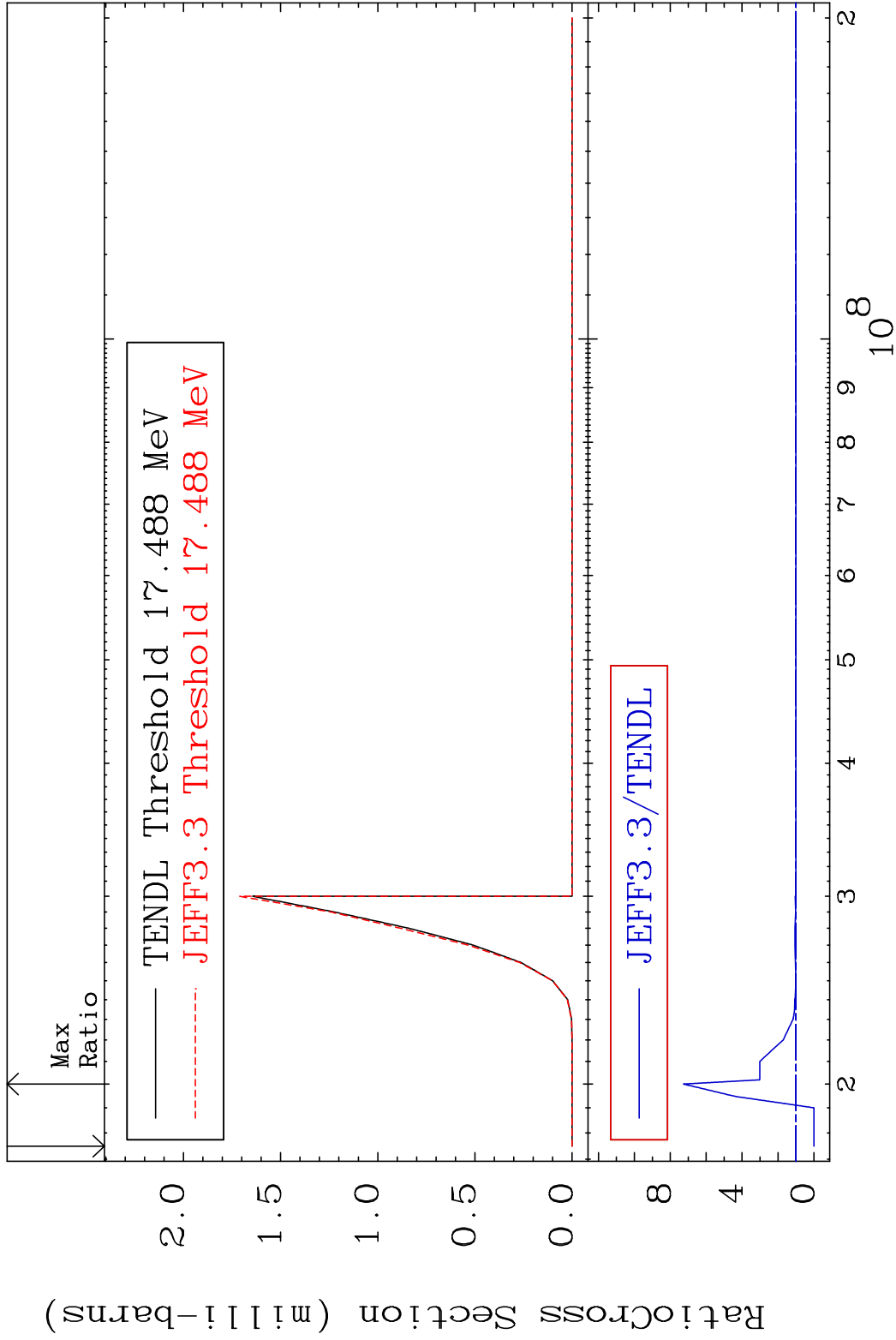
MAT 5061 (n, n') d:49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section 180000 d10 783.1 %



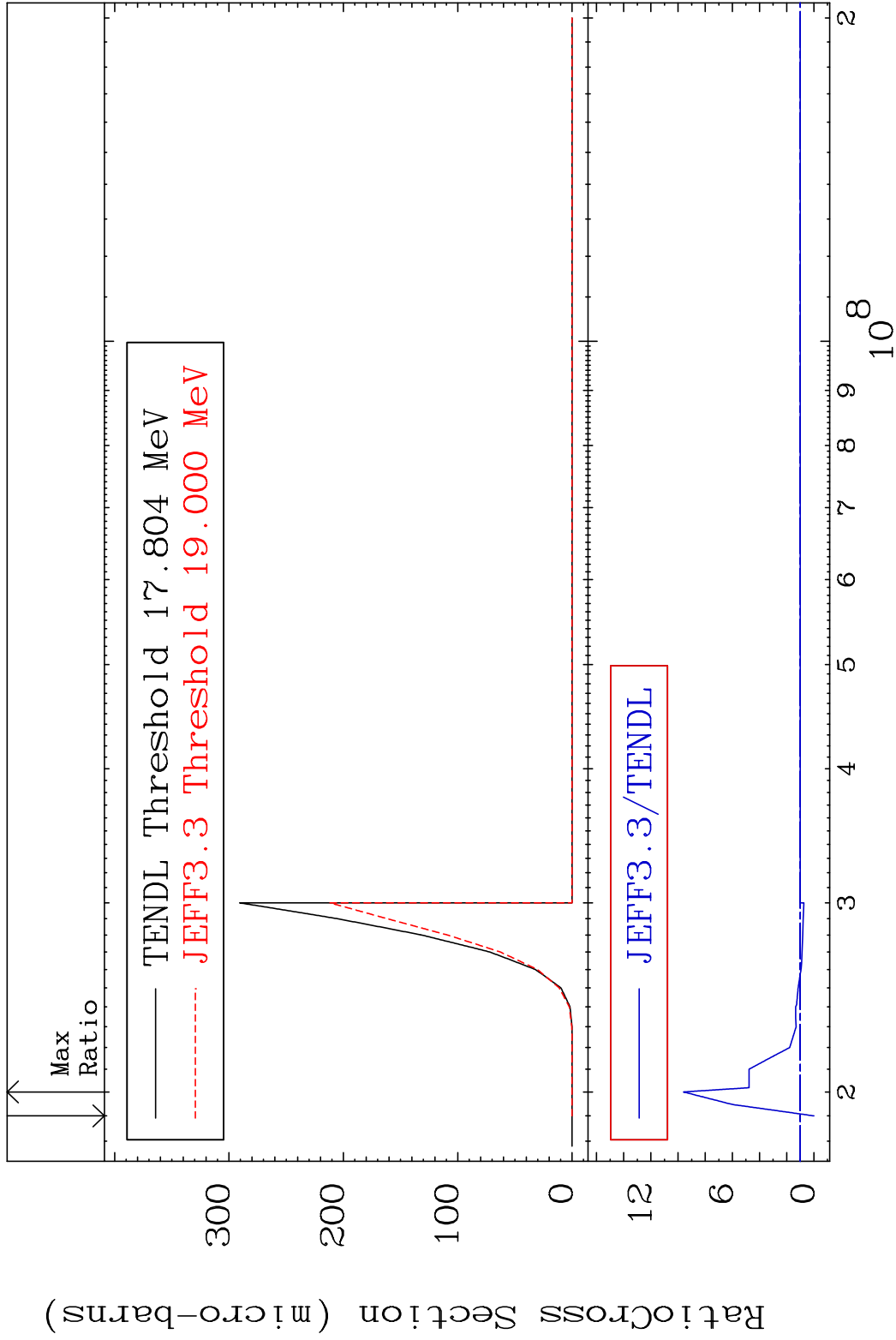
70 Incident Energy (eV) 50-Sn-124



MAT 5061 (n, n') t:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 626.5 %

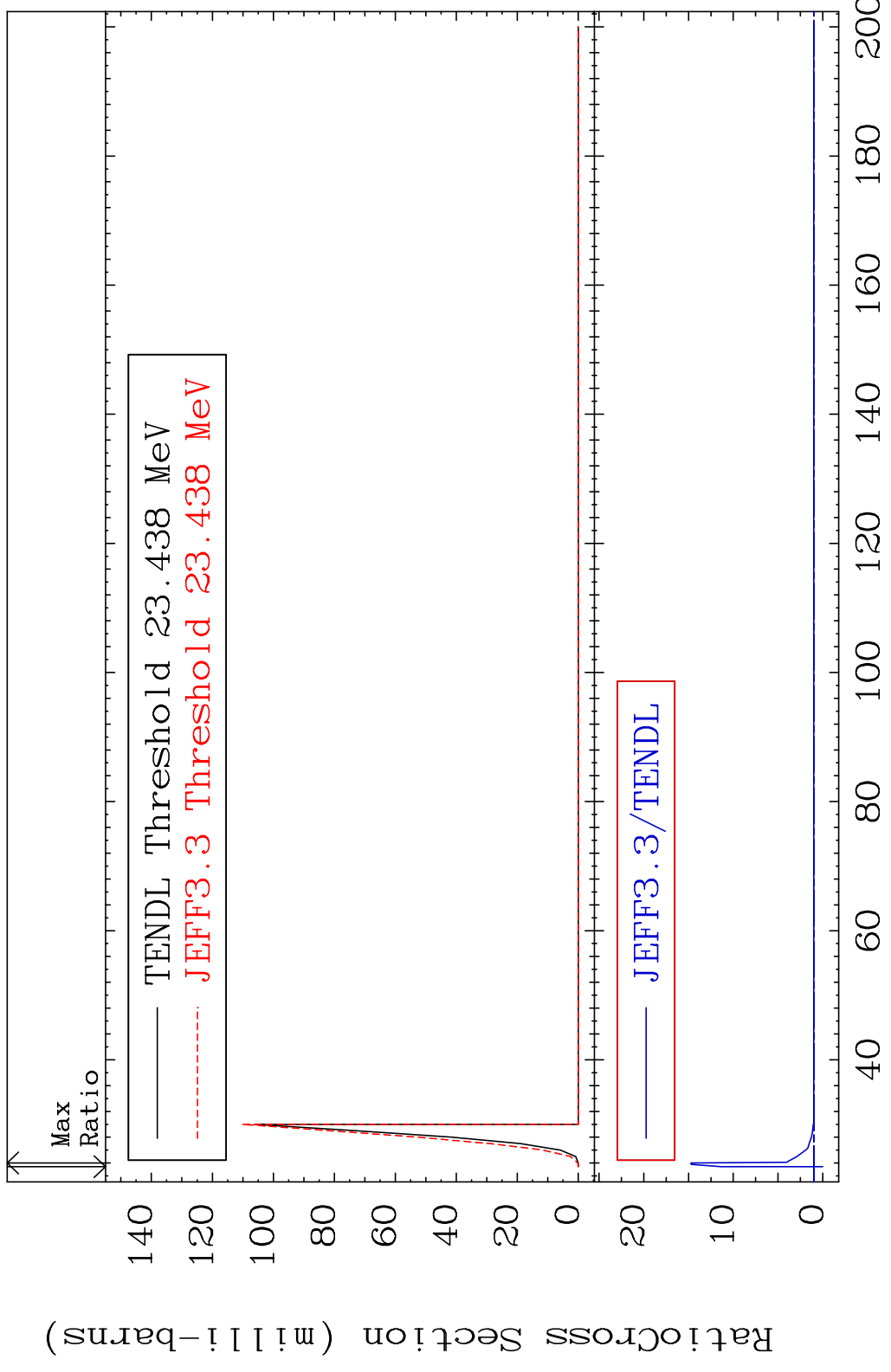


MAT 5061 (n, n') t:49-In-121m1 50-Sn-124
 Radionuclide Production Cross Section 1800.0 d to 860.2 %



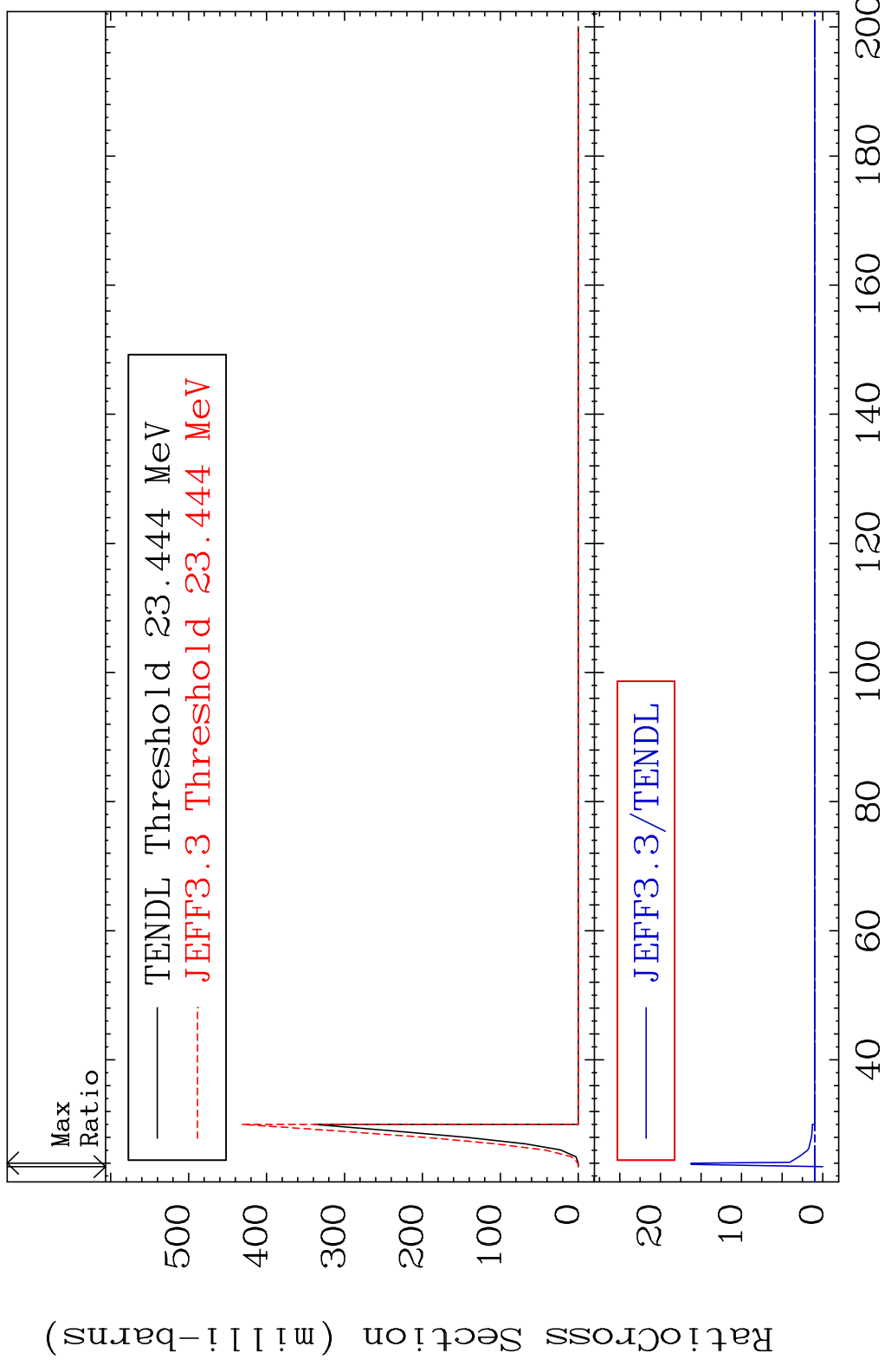
73 50-Sn-124

MAT 5061 (n, 4n):50-Sn-121g 50-Sn-124
 Radionuclide Production Cross Section 1374. %



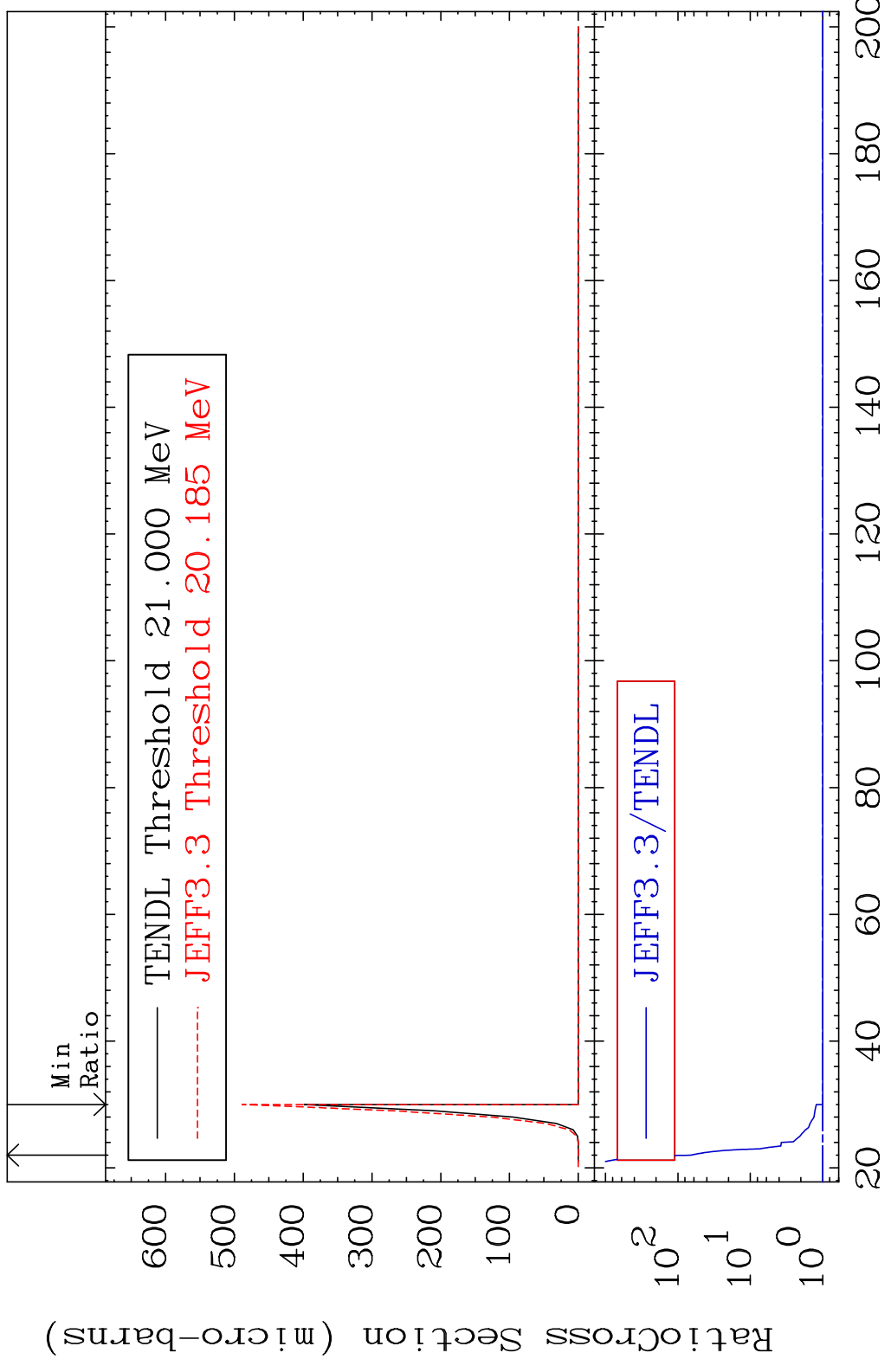
74

MAT 5061 (n, 4n):50-Sn-121m1 50-Sn-124
 Radionuclide Production Cross Section 1524. %



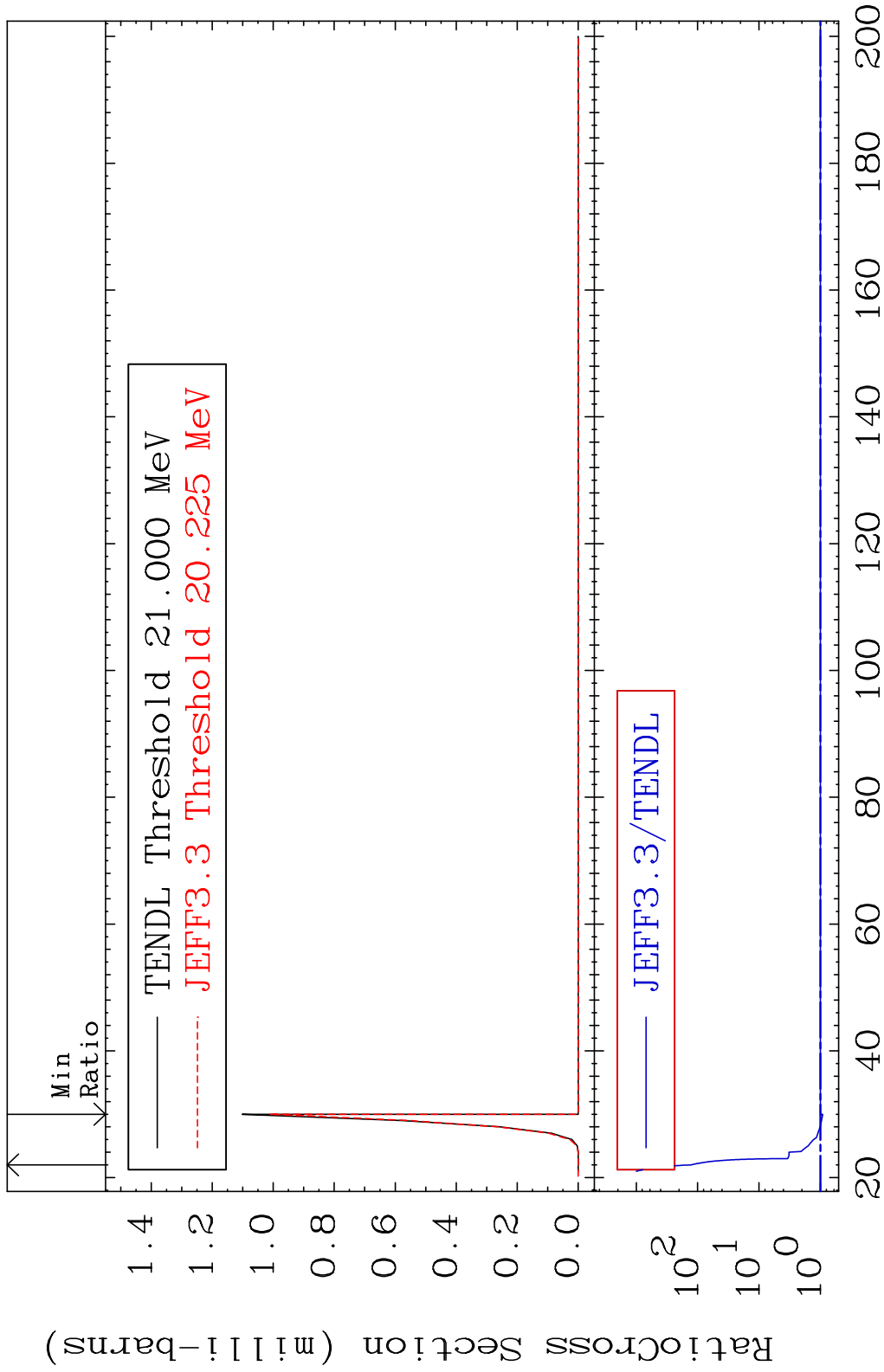
75 50-Sn-124

MAT 5061 (n,2n) p:49-In-122g 50-Sn-124
Radionuclide Production Cross Section 6527. %

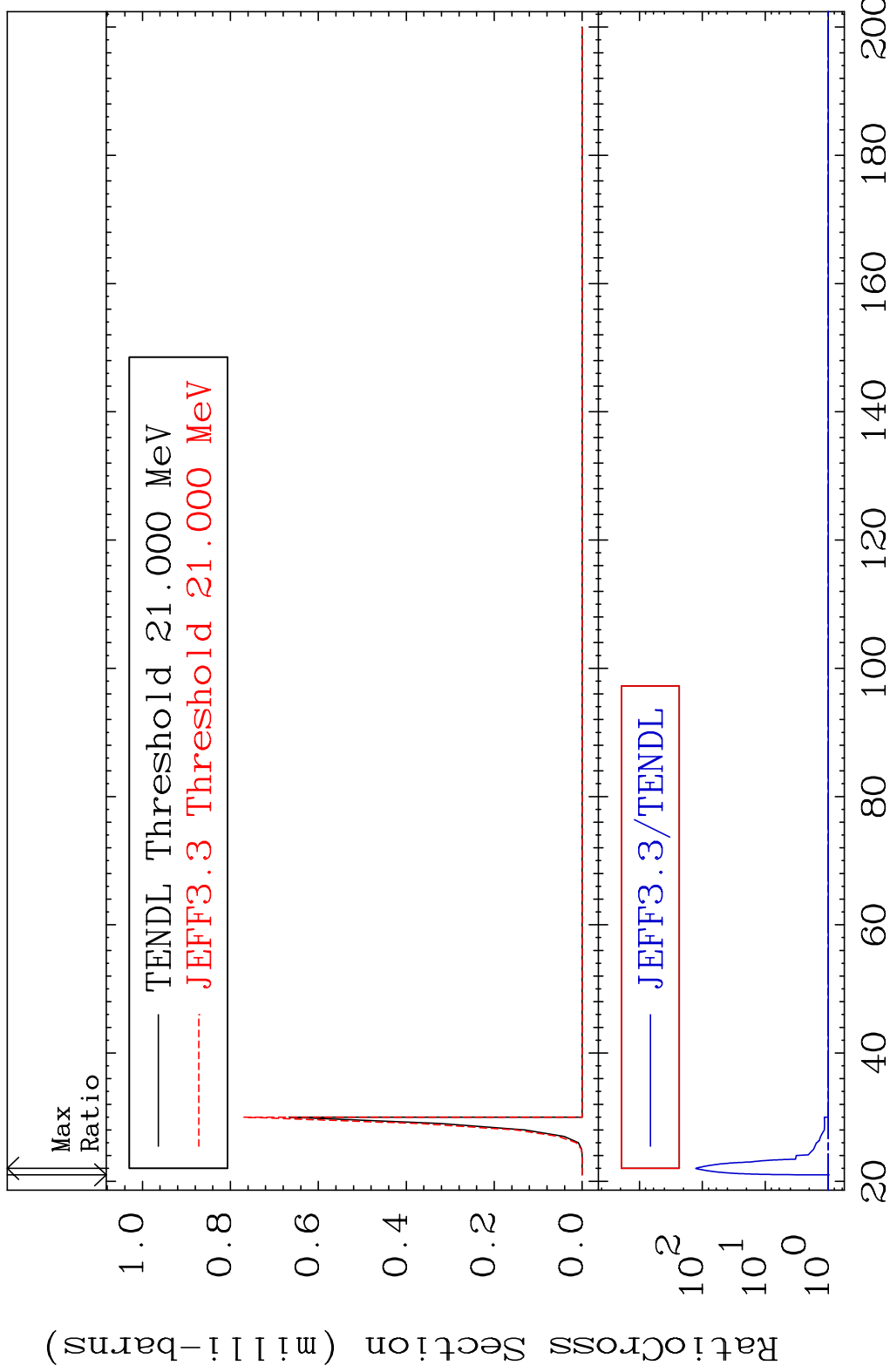


76 Incident Energy (MeV) 50-Sn-124

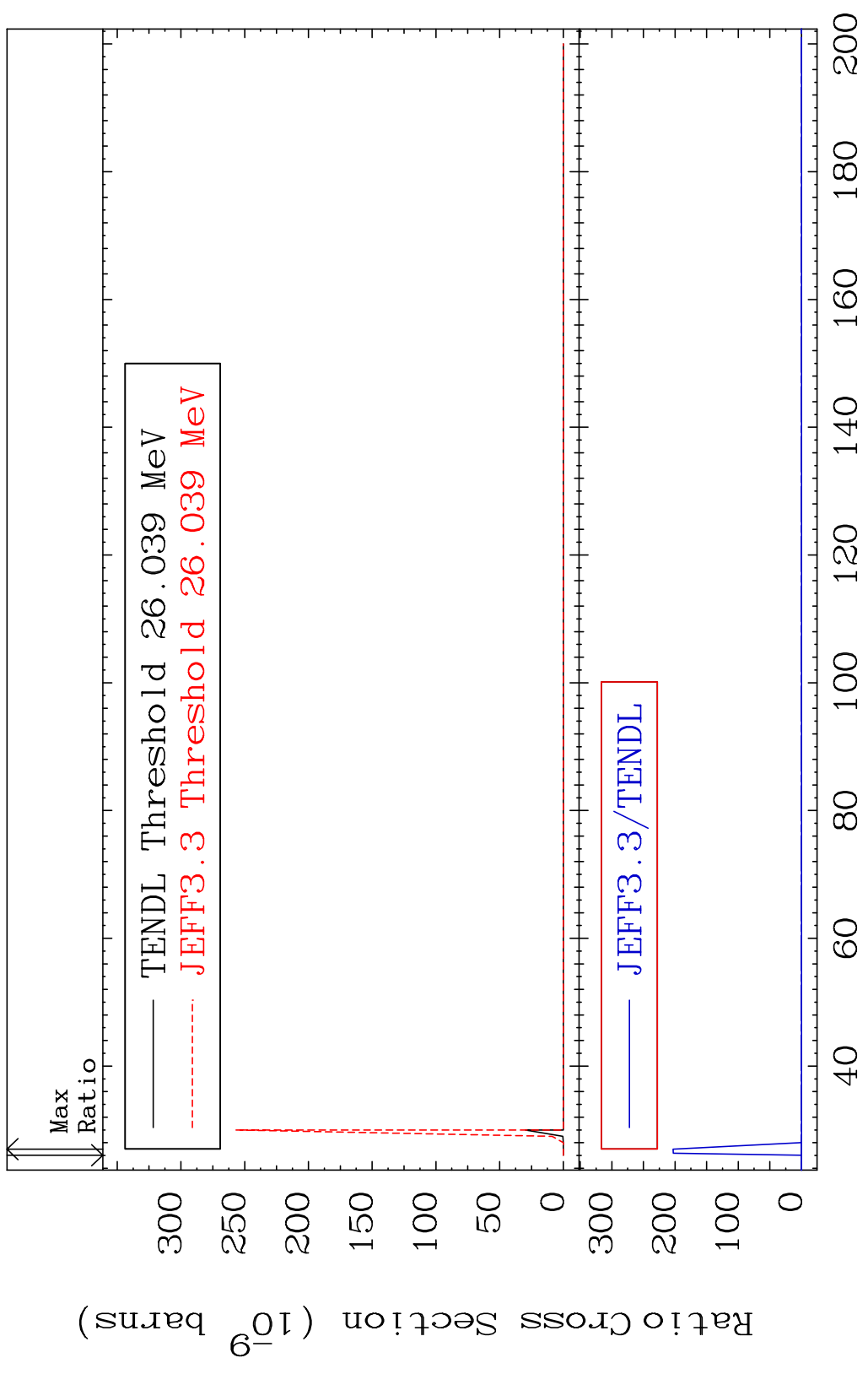
MAT 5061 (n,2n) p:49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section to 9999. %



77 Incident Energy (MeV) 50-Sn-124

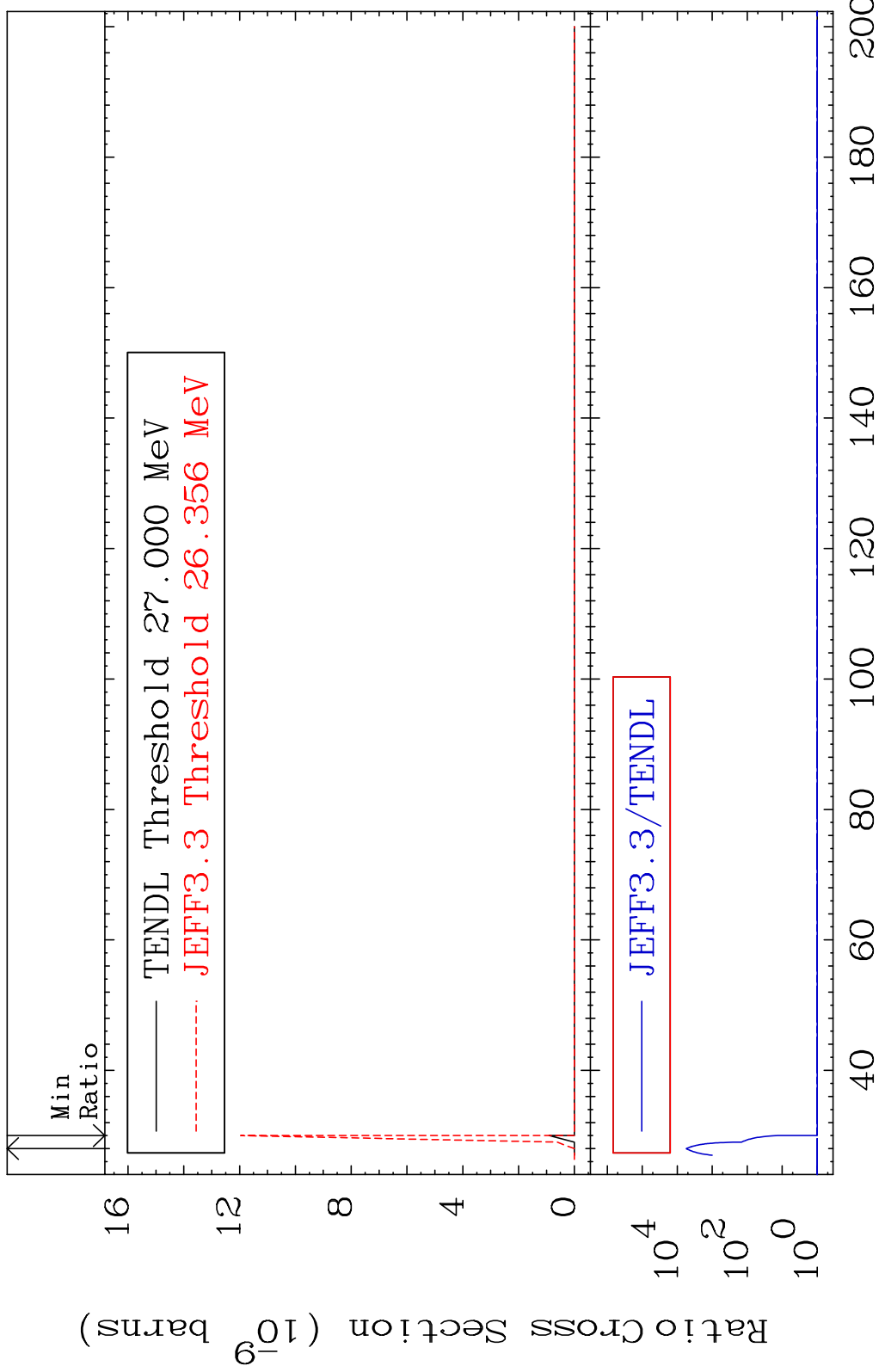


MAT 5061 (n,3n) p:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section 100.00 d to 9999. %



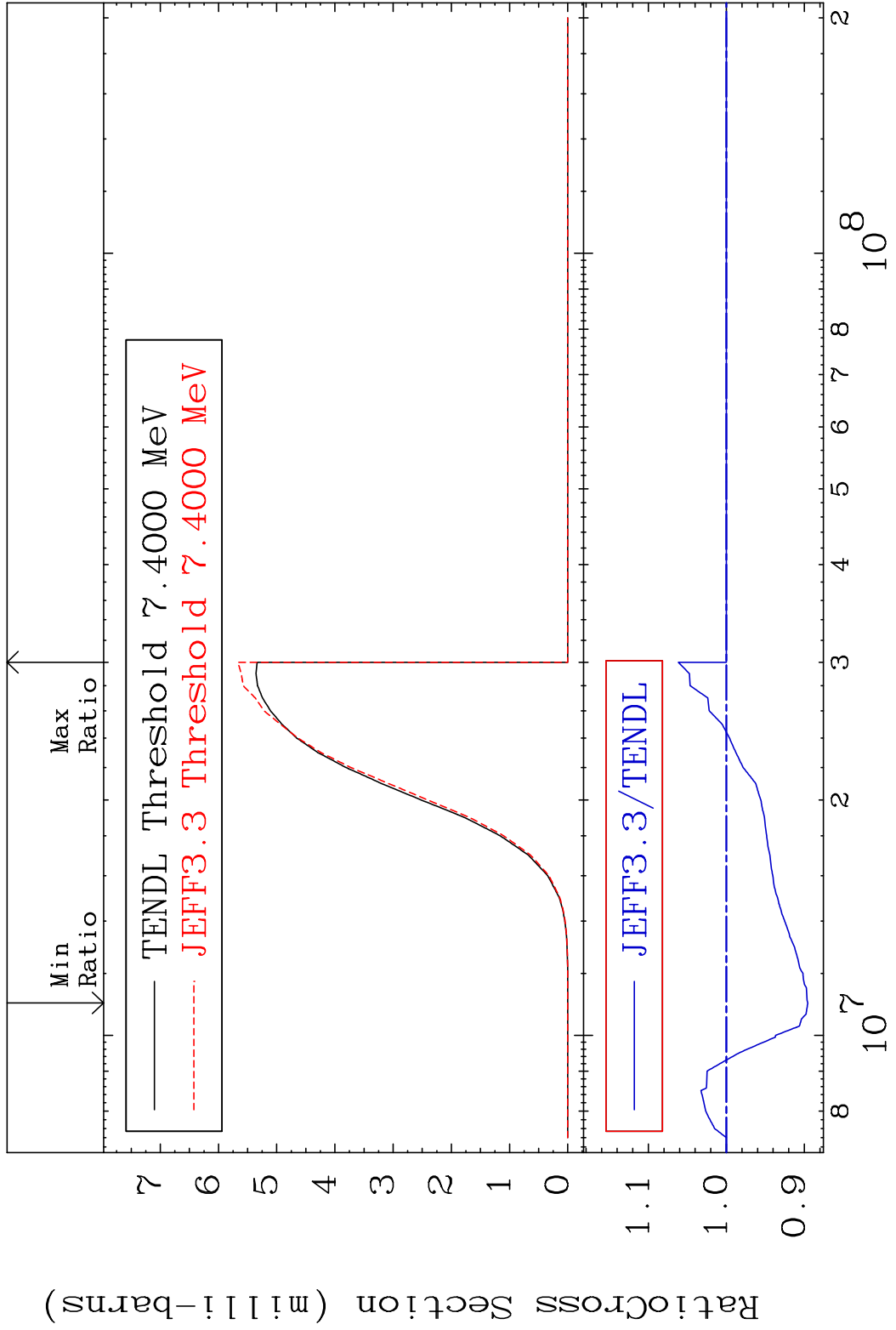
79 Incident Energy (MeV) 50-Sn-124

MAT 5061 (n,3n) p:49-In-121m1 50-Sn-124
 Radionuclide Production Cross Section 9999. %



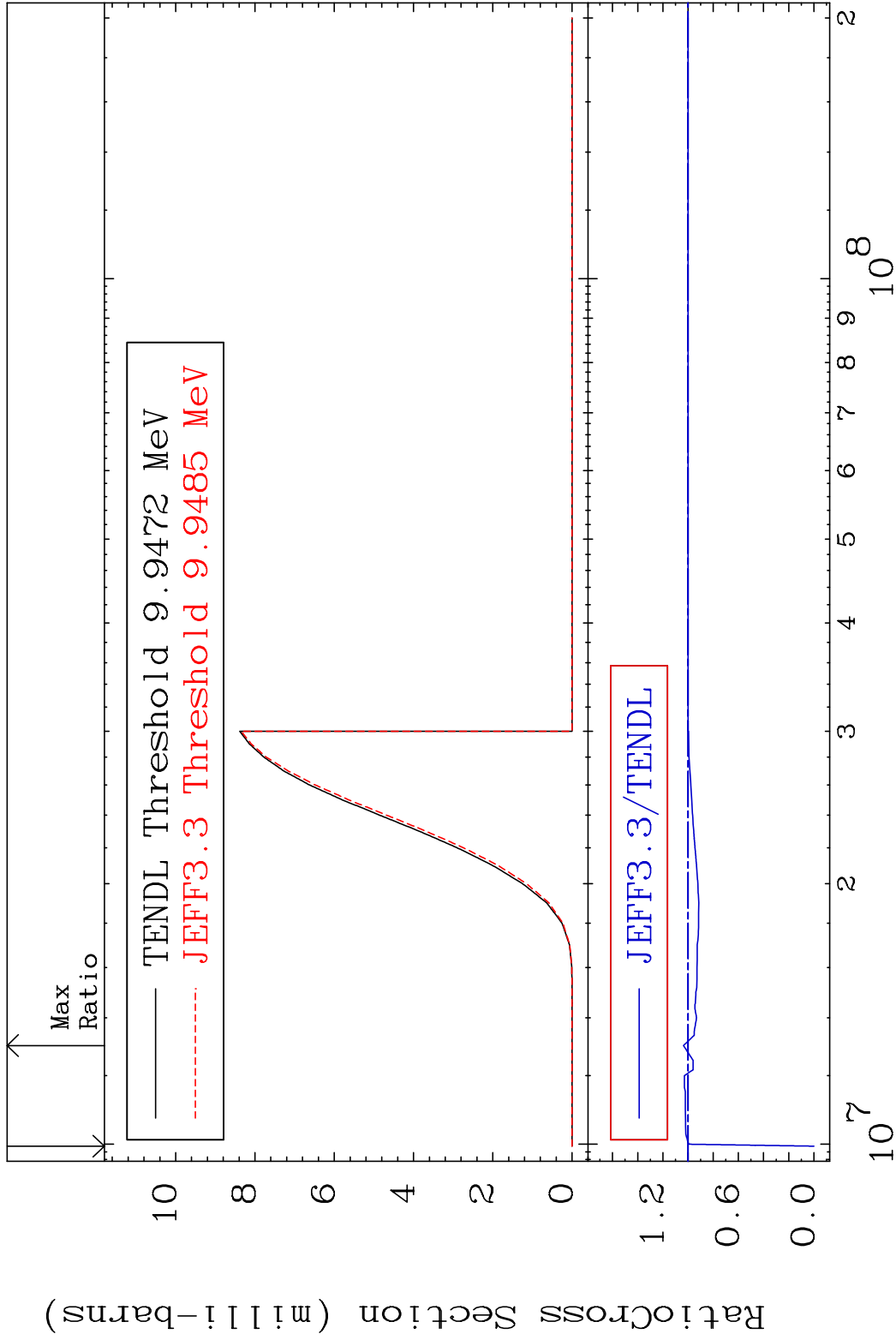
80 Incident Energy (MeV) 50-Sn-124

MAT 5061 (n, p) : 49-In-124m2 50-Sn-124
 Radionuclide Production Cross Section 1864310 6.169 %



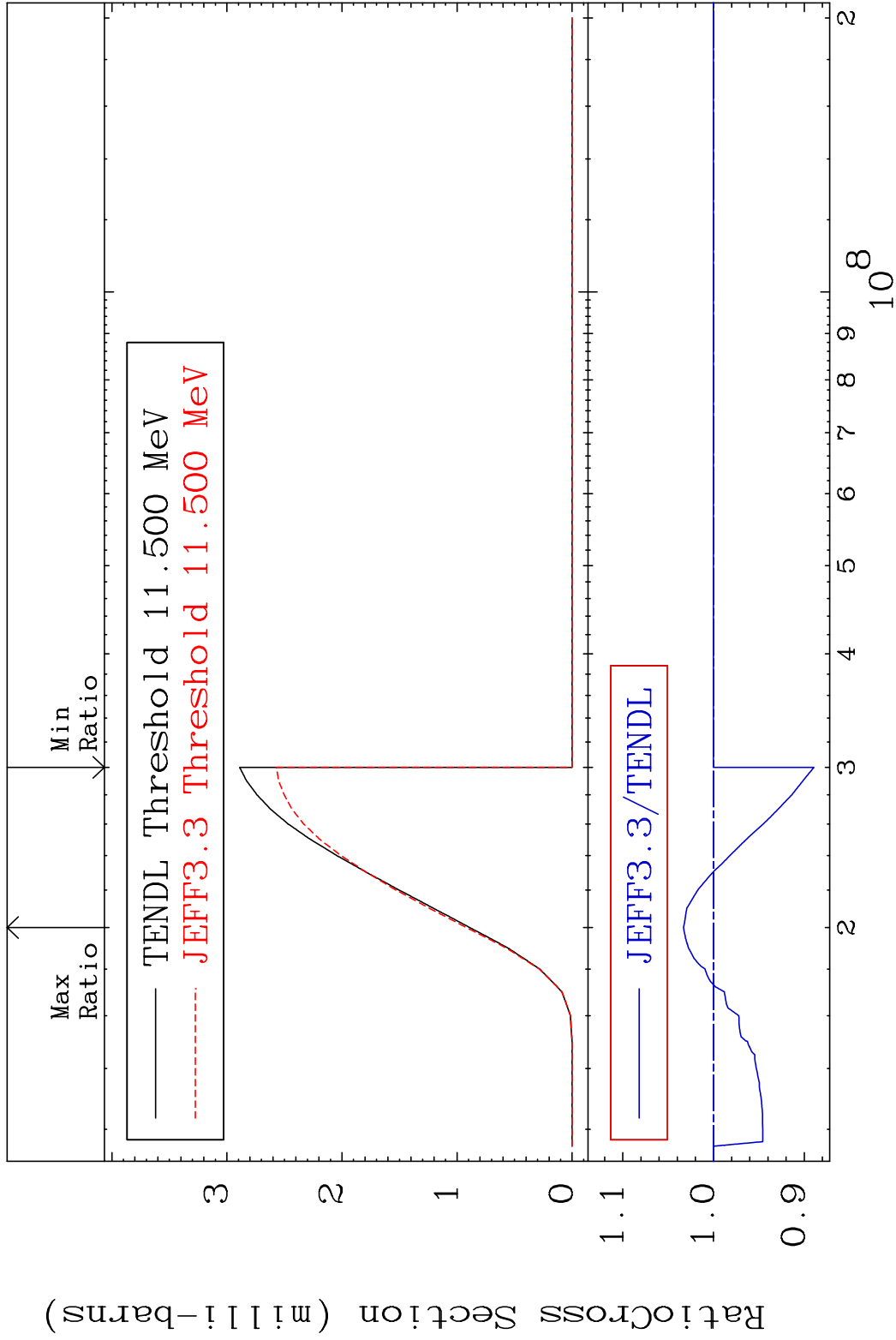
82 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,d):49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 180000 dth 3.638 %

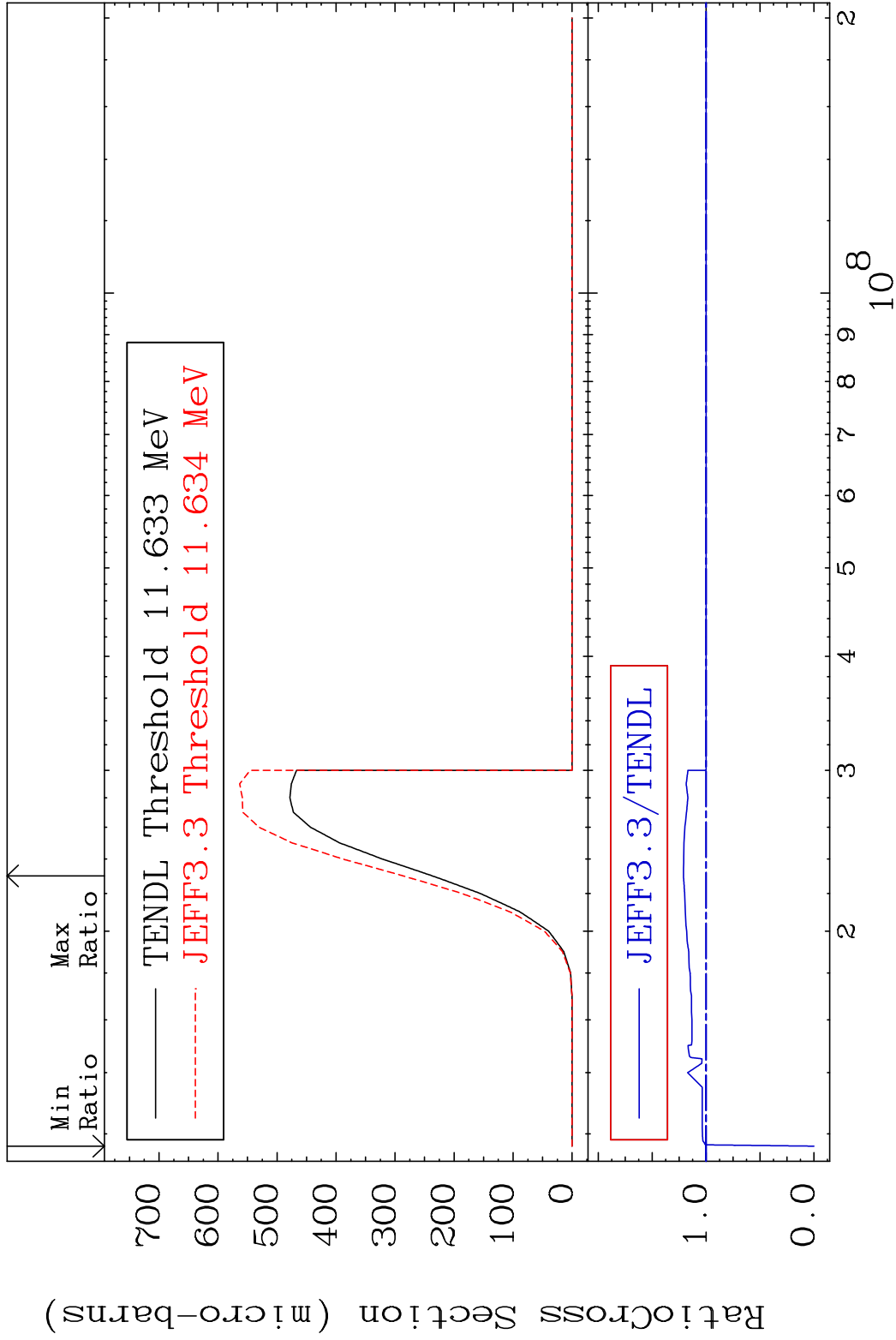


83 Incident Energy (eV) 50-Sn-124

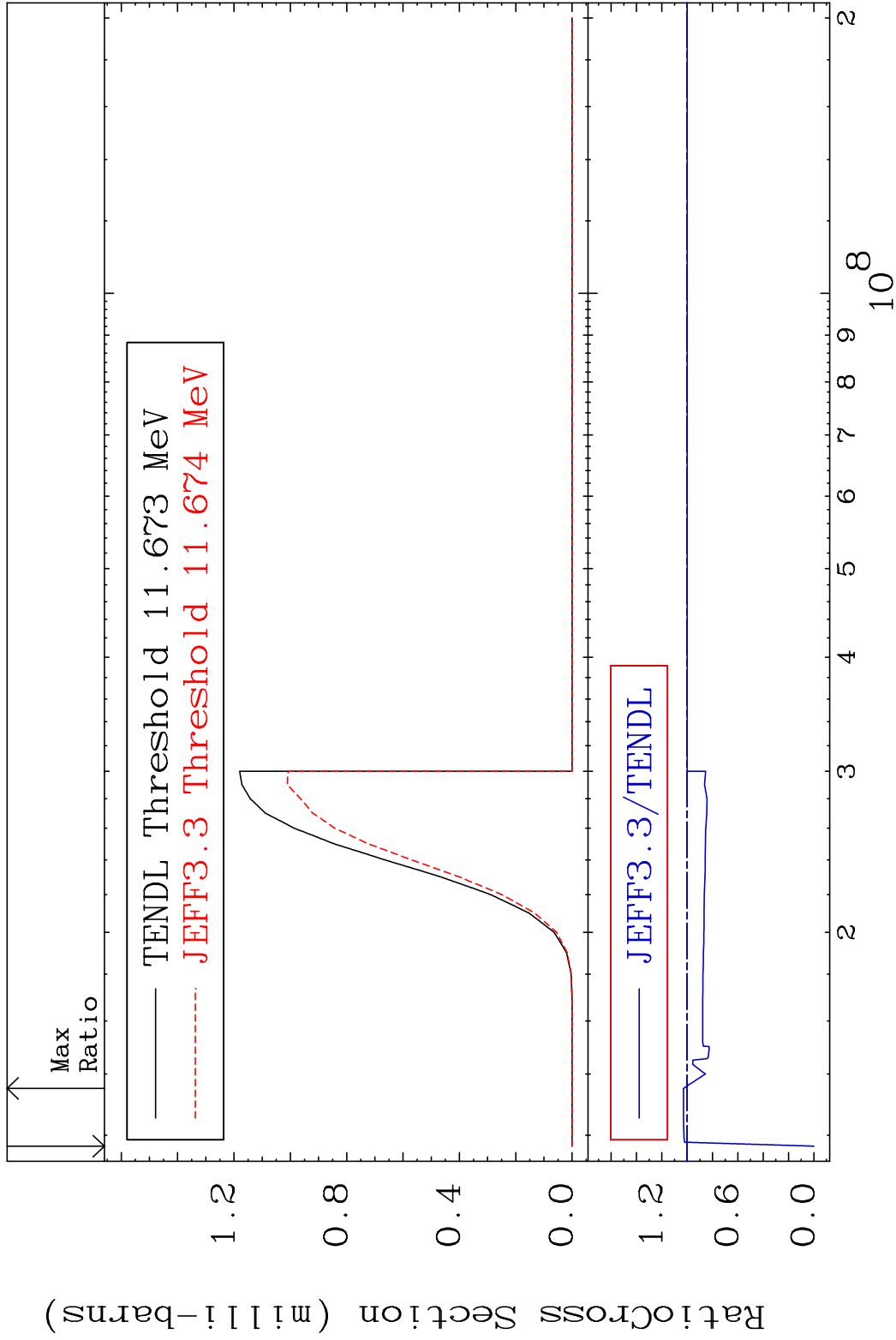
MAT 5061 (n, d): 49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section 3.314 %



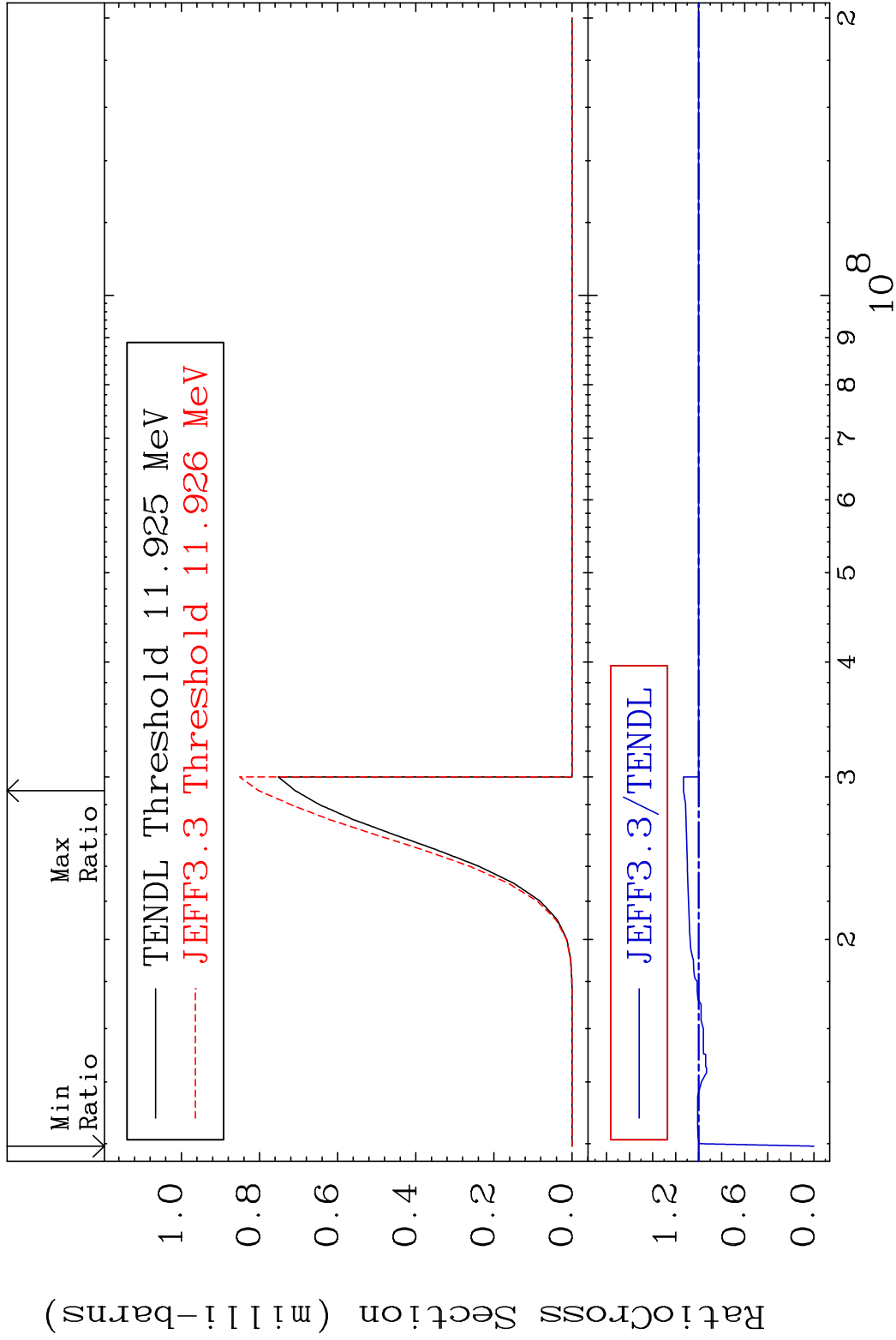
MAT 5061 (n, t): 49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 20.94 %



MAT 5061 (n, t):49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 2.929 %



MAT 5061 (n, t): 49-In-122m5 50-Sn-124
 Radionuclide Production Cross Section 13.21 %



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

