

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

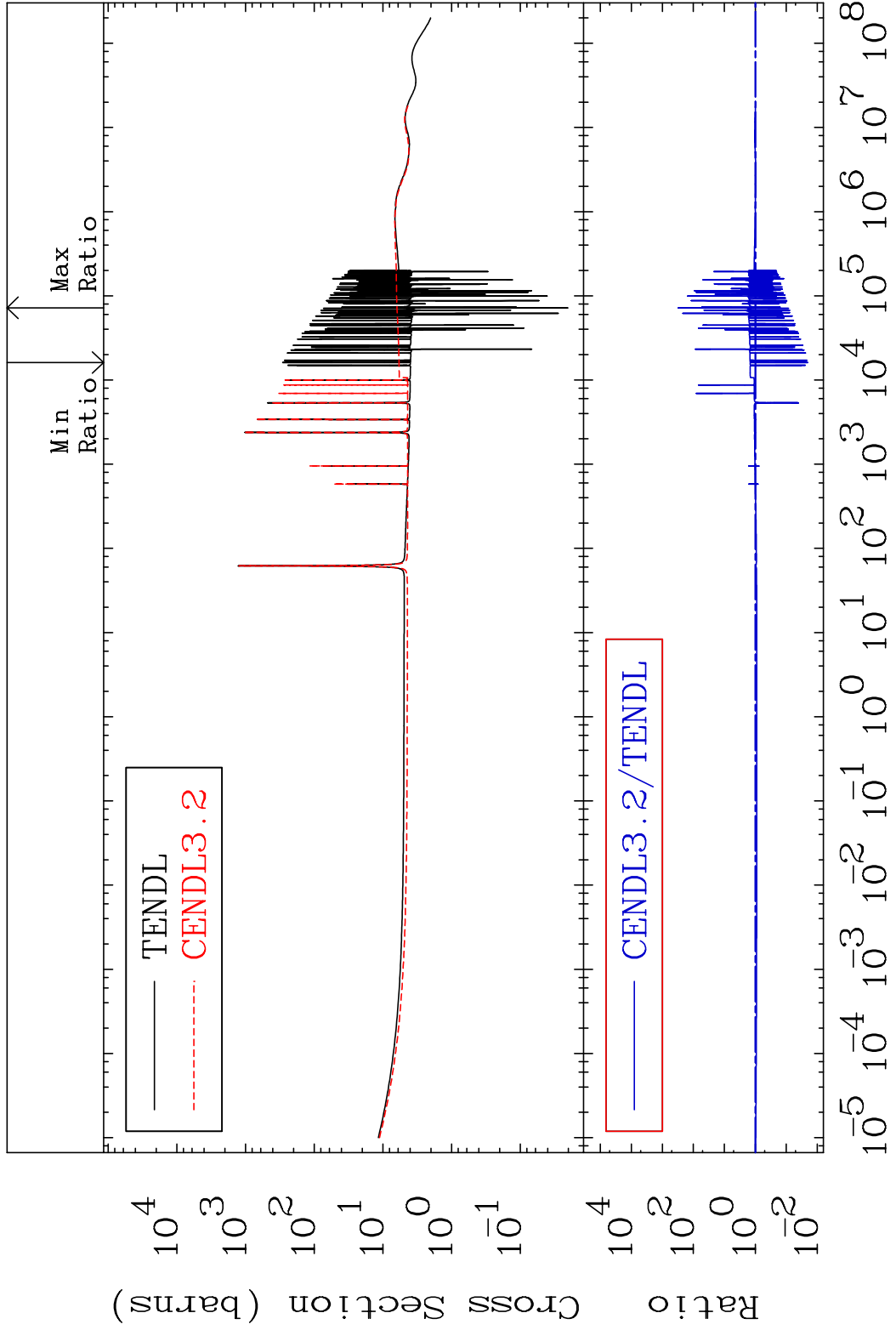
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5061 Total 50-Sn-124
 Cross Section -97.97 To 9999. %



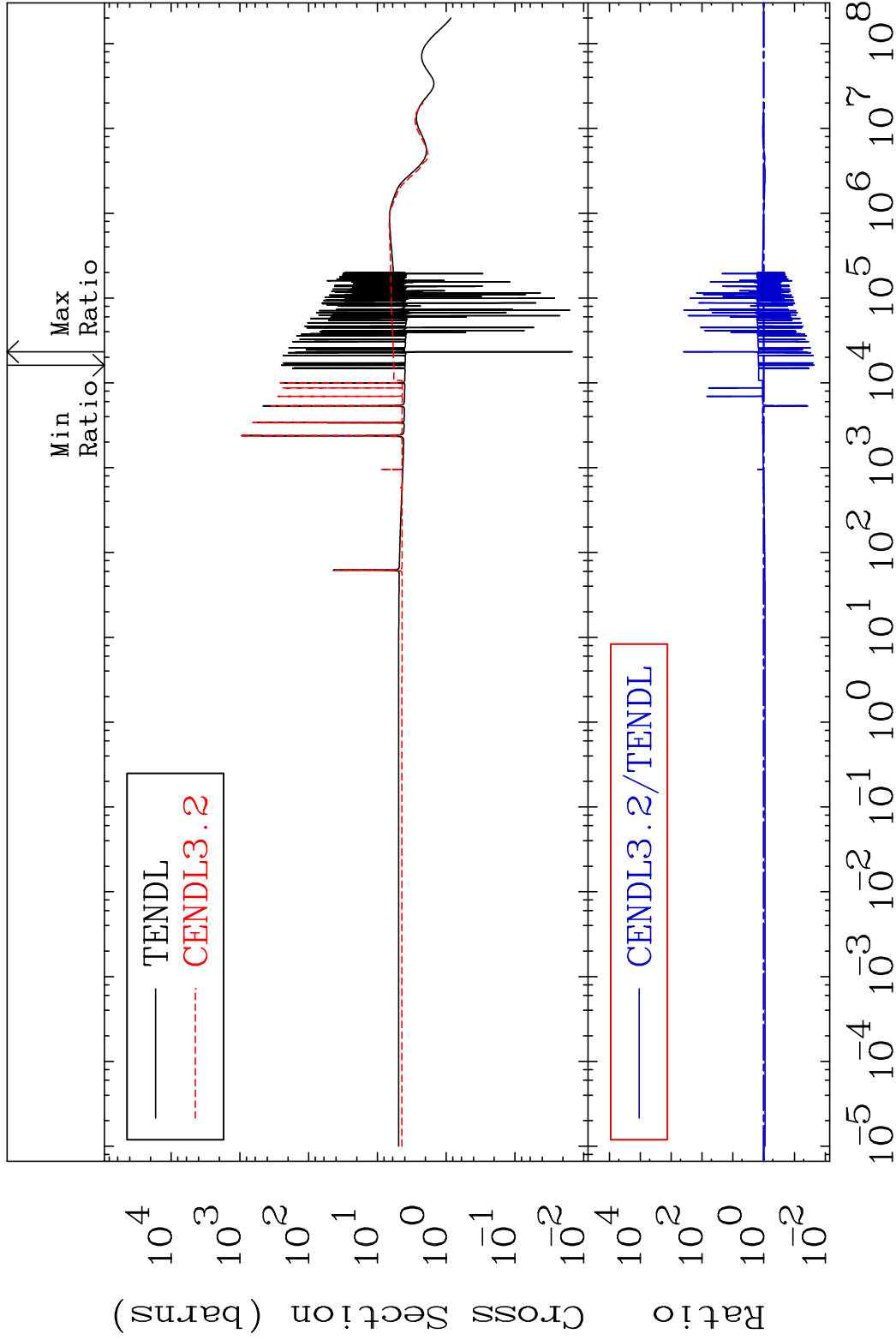
1 Incident Energy (eV) 50-Sn-124

MAT 5061

Elastic

50-Sn-124

Cross Section -97.66 To 9999. %

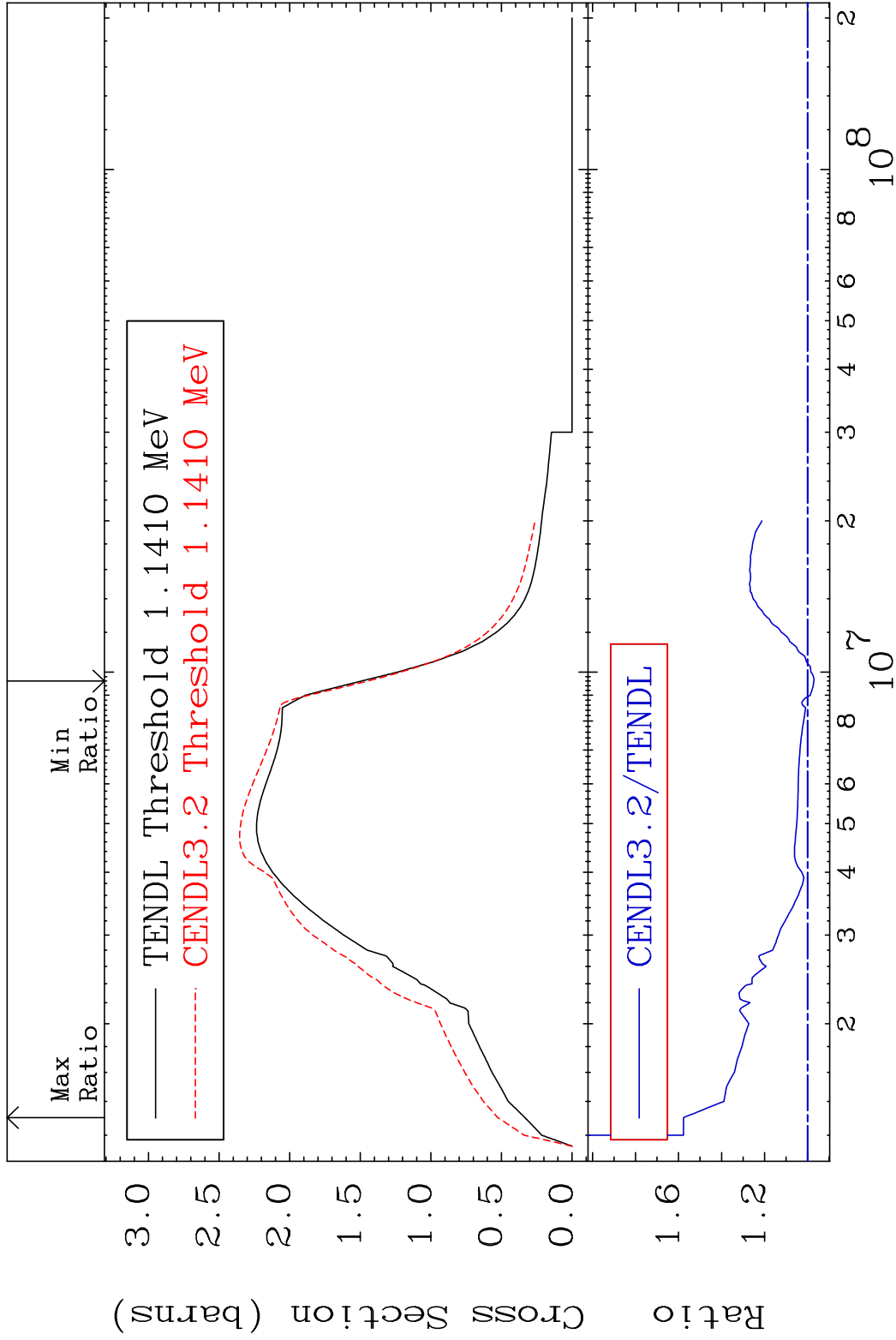


2

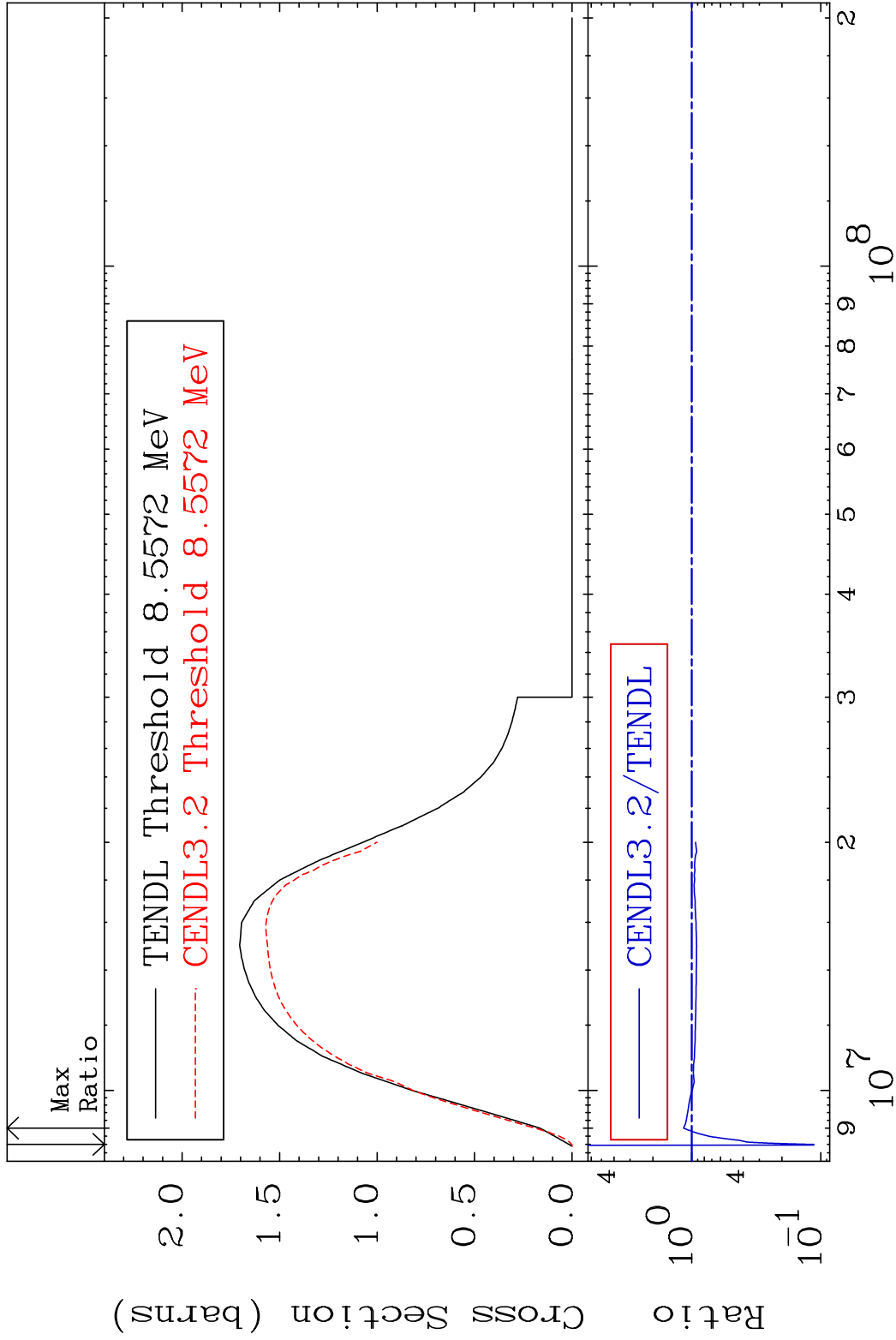
Incident Energy (eV)

50-Sn-124

MAT 5061 Inelastic 50-Sn-124
 Cross Section -2.962 To 57.71 %

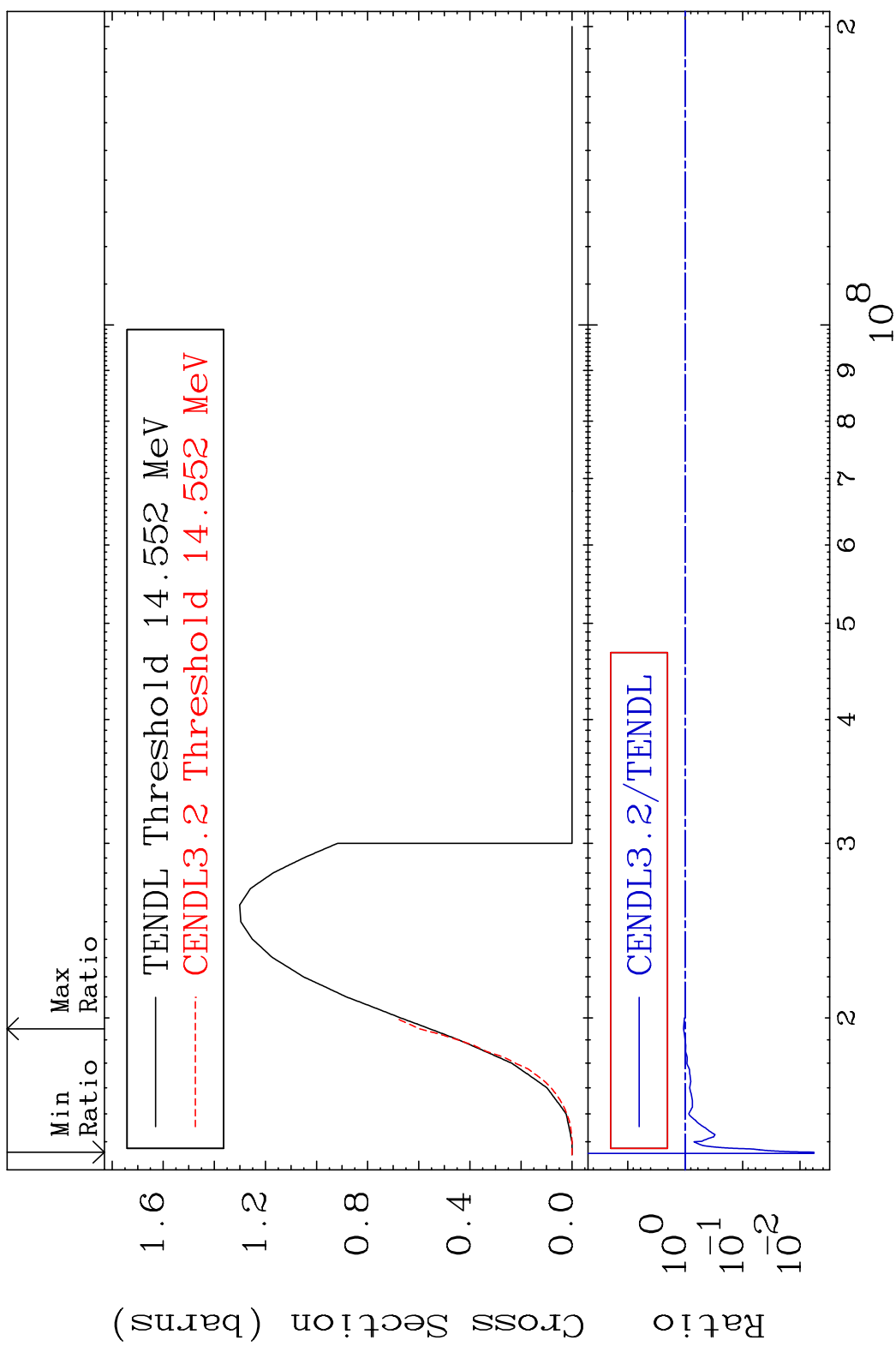


MAT 5061 (n,2n) 50-Sn-124
 Cross Section -88.67 To 15.92 %

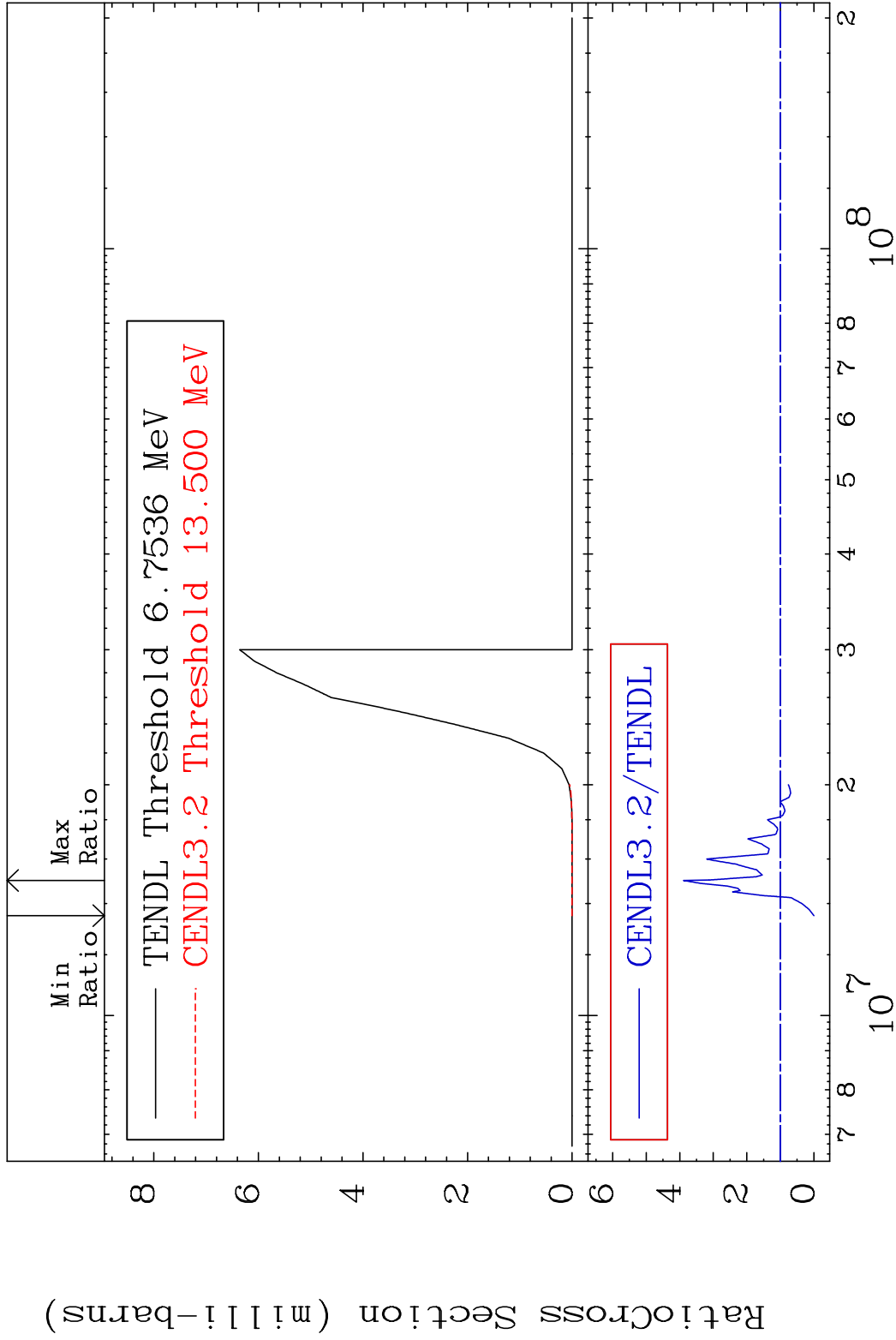


4 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,3n) 50-Sn-124
 Cross Section -99.42 To 7.206 %

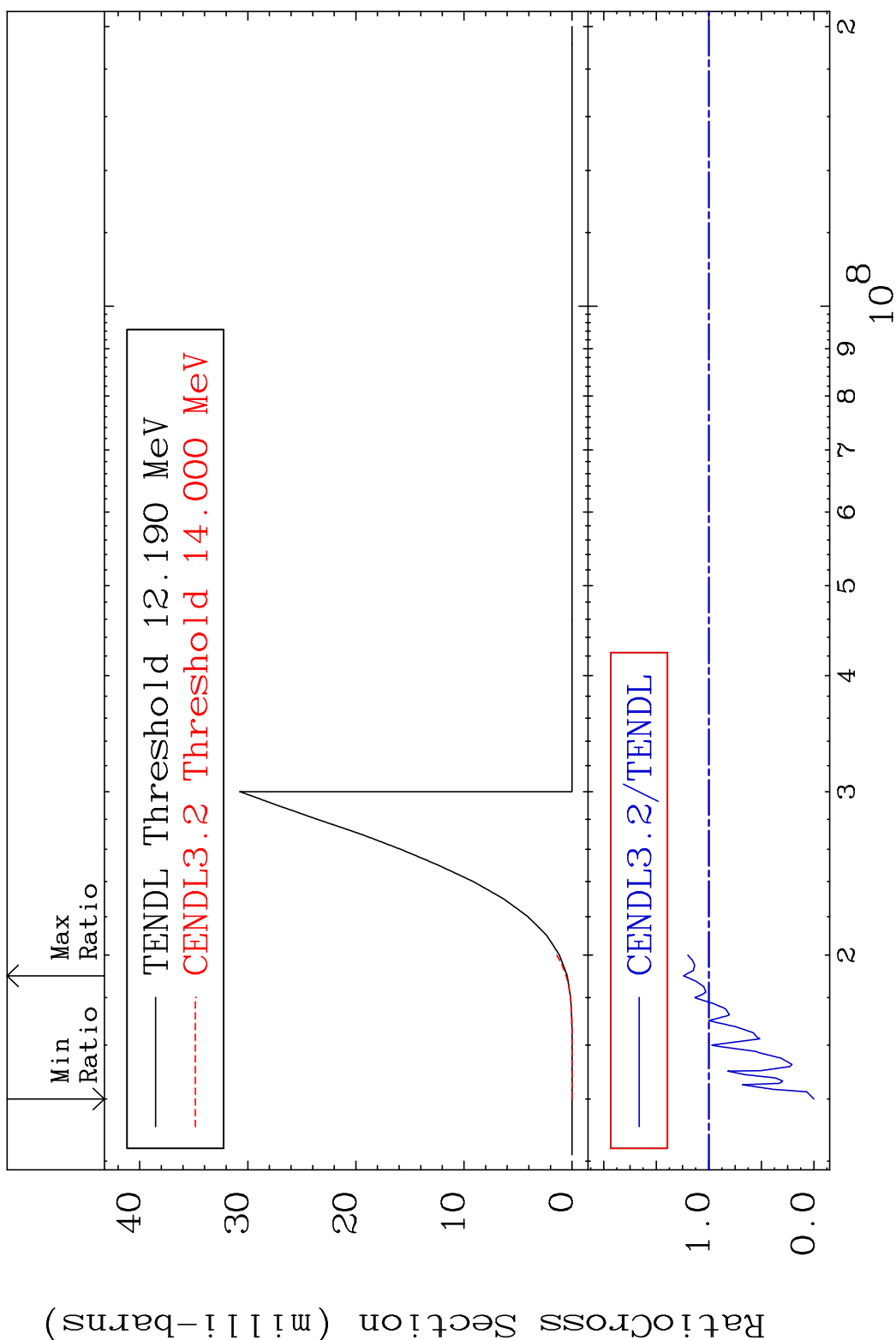


MAT 5061 (n, n') α 50-Sn-124
Cross Section -100.0 To 288.9 %



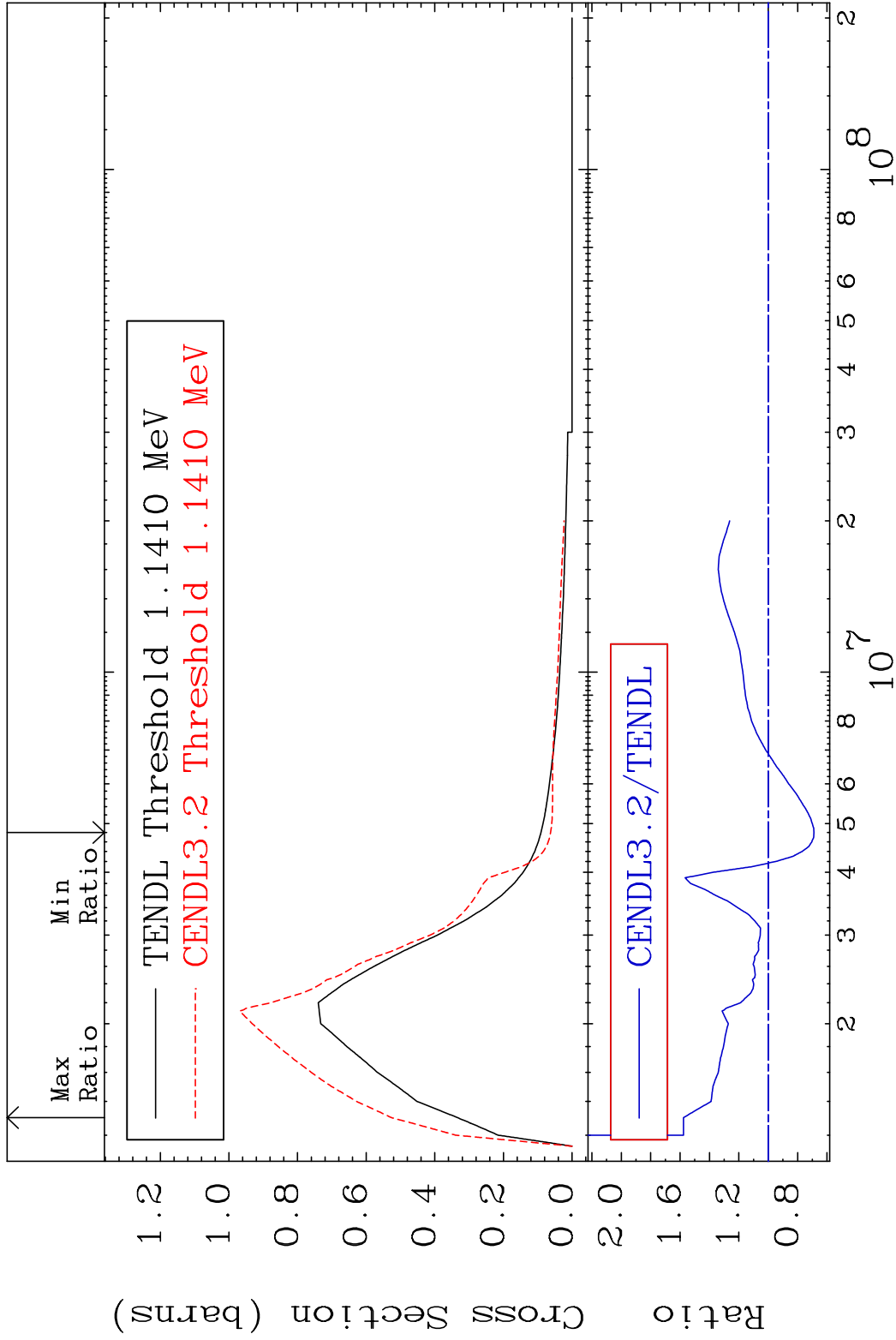
6 Incident Energy (eV) 50-Sn-124

MAT 5061 (n, n') p 50-Sn-124
 Cross Section -100.0 To 24.15 %

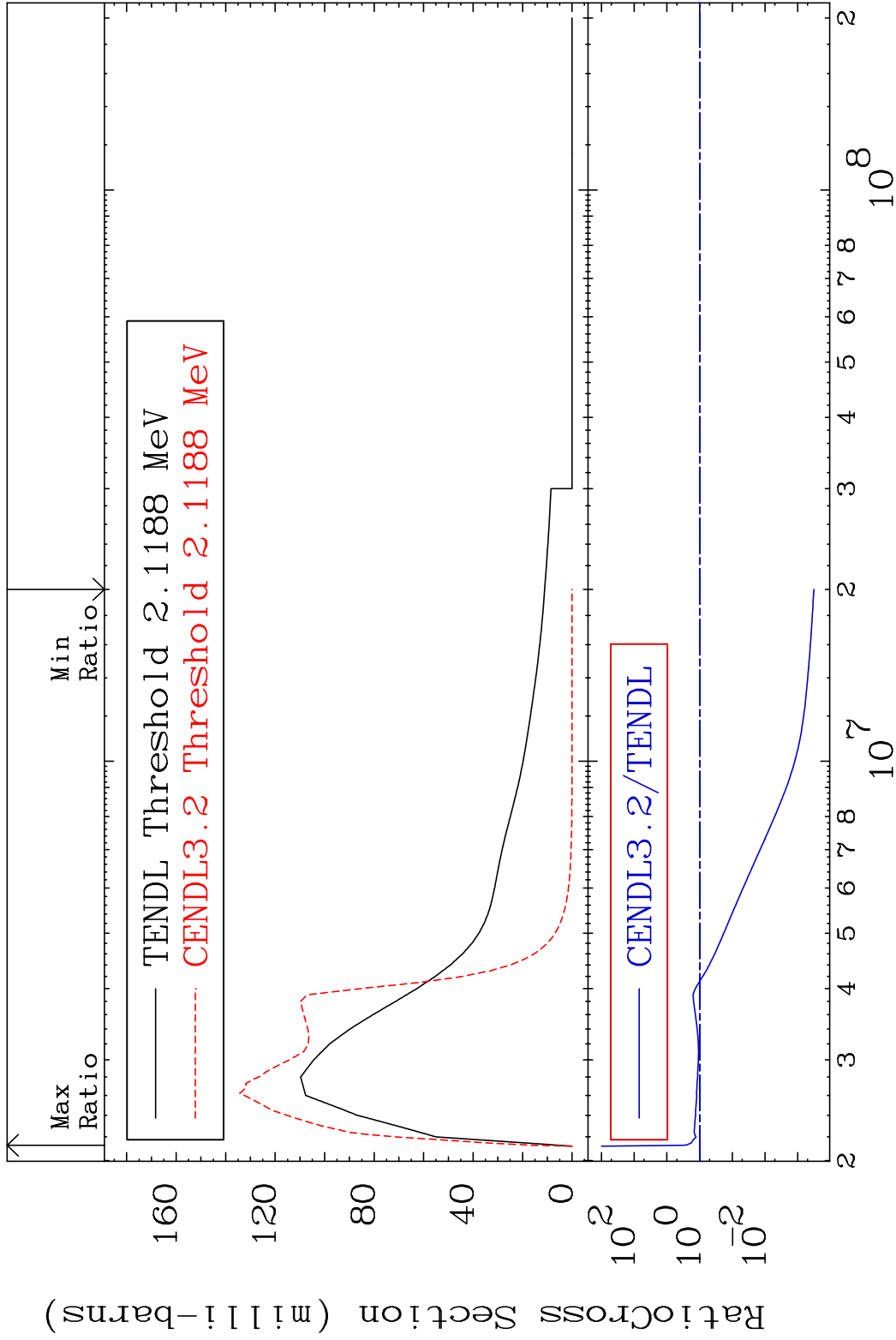


7 50-Sn-124

MAT 5061 MT= 51 (n, n') Level 50-Sn-124
 Cross Section -31.03 To 57.71 %

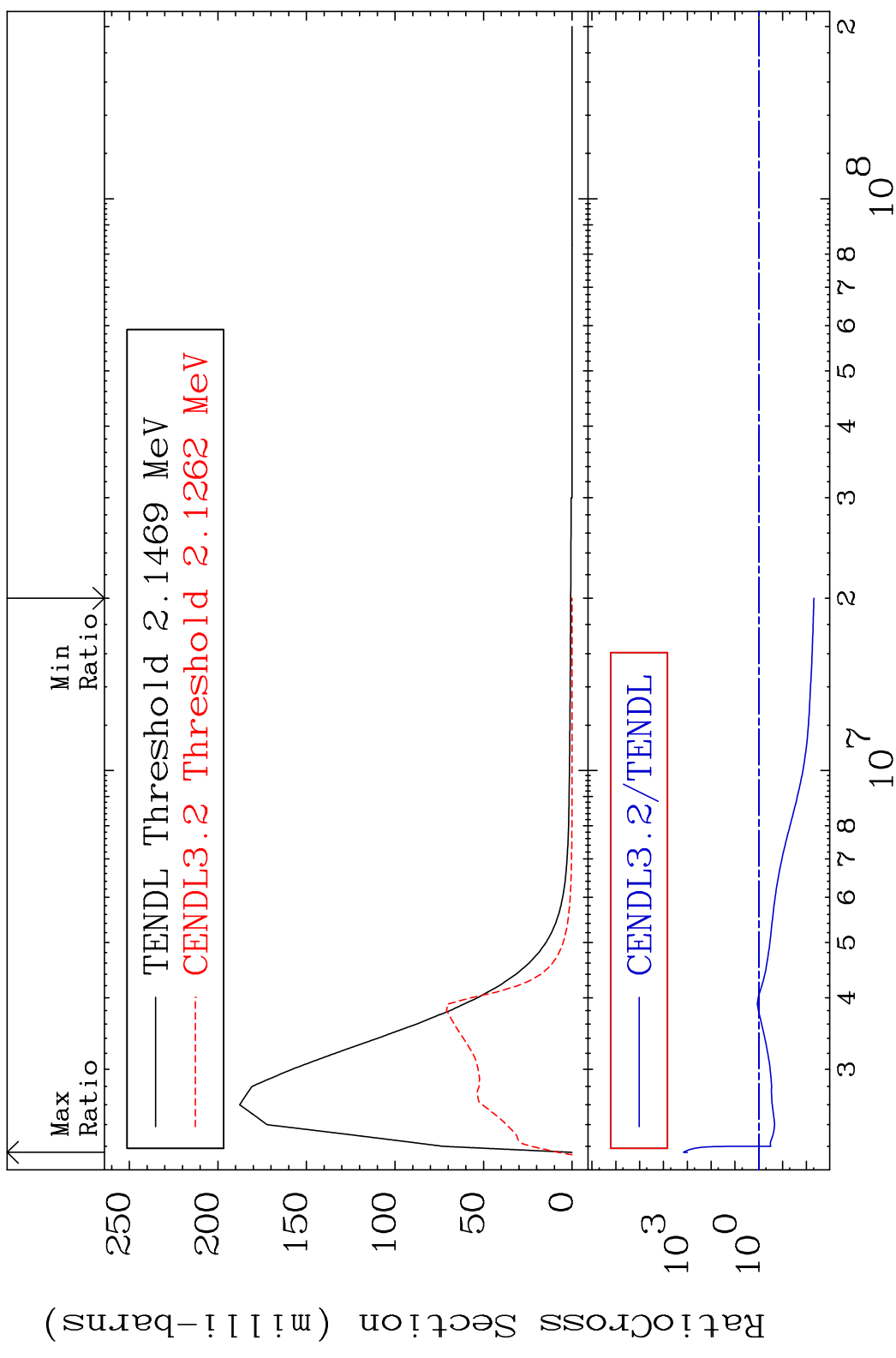


MAT 5061 MT= 52 (n, n') Level 50-Sn-124
 Cross Section -99.97 To 212.3 %



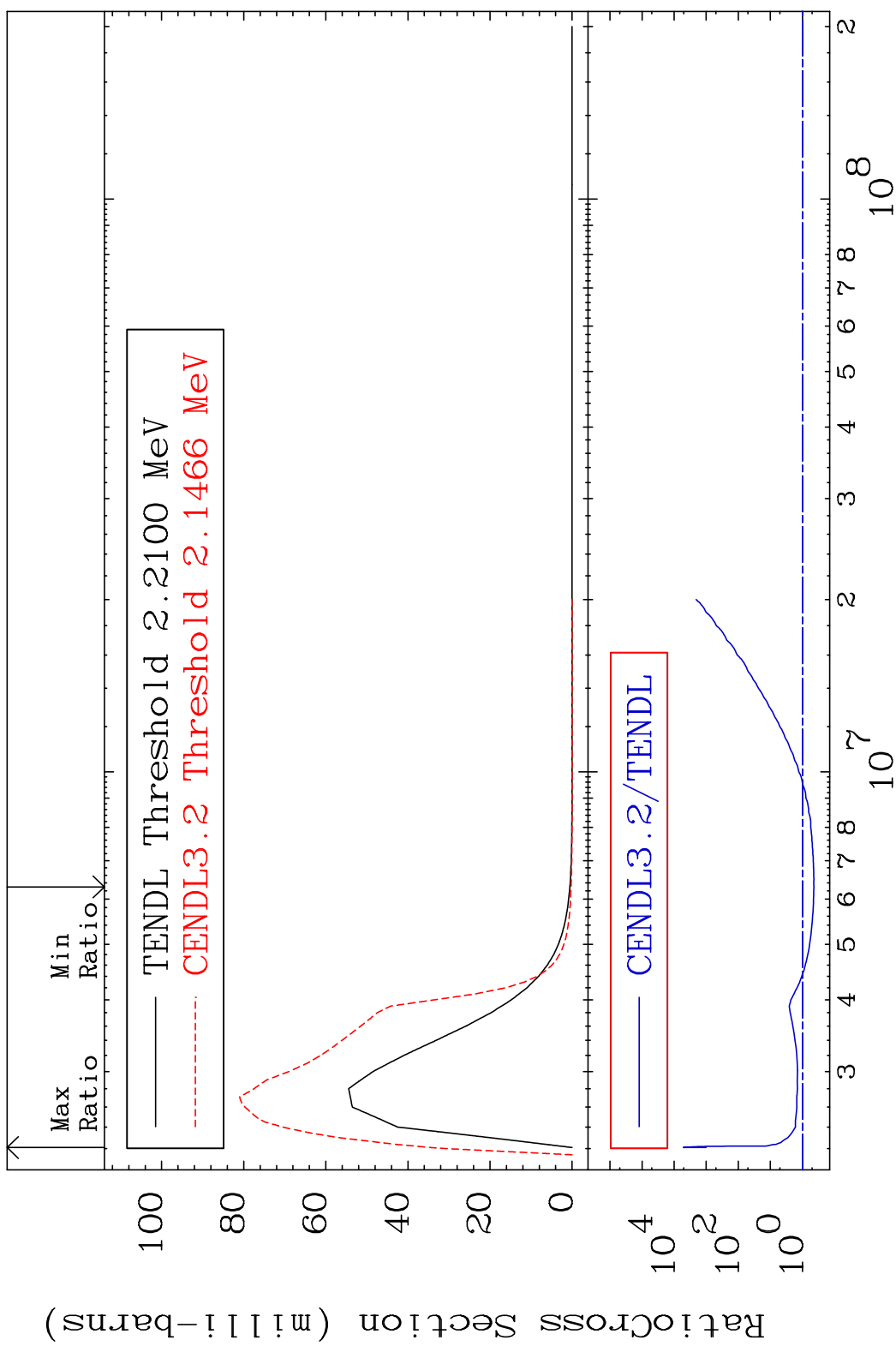
9 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 53 (n, n') Level 50-Sn-124
 Cross Section -99.51 To 9999. %



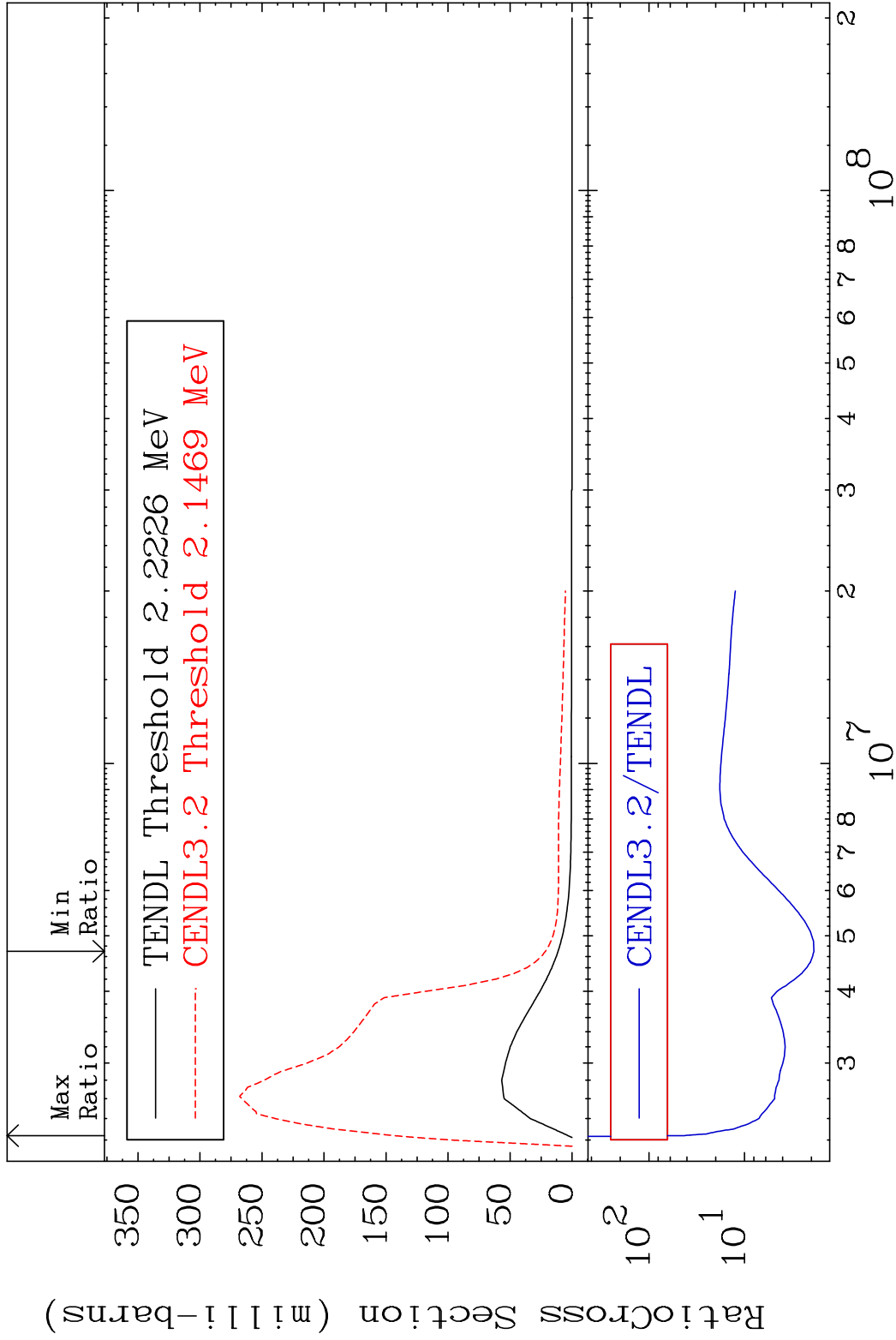
10 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 54 (n, n') Level 50-Sn-124
 Cross Section -56.17 To 9999. %



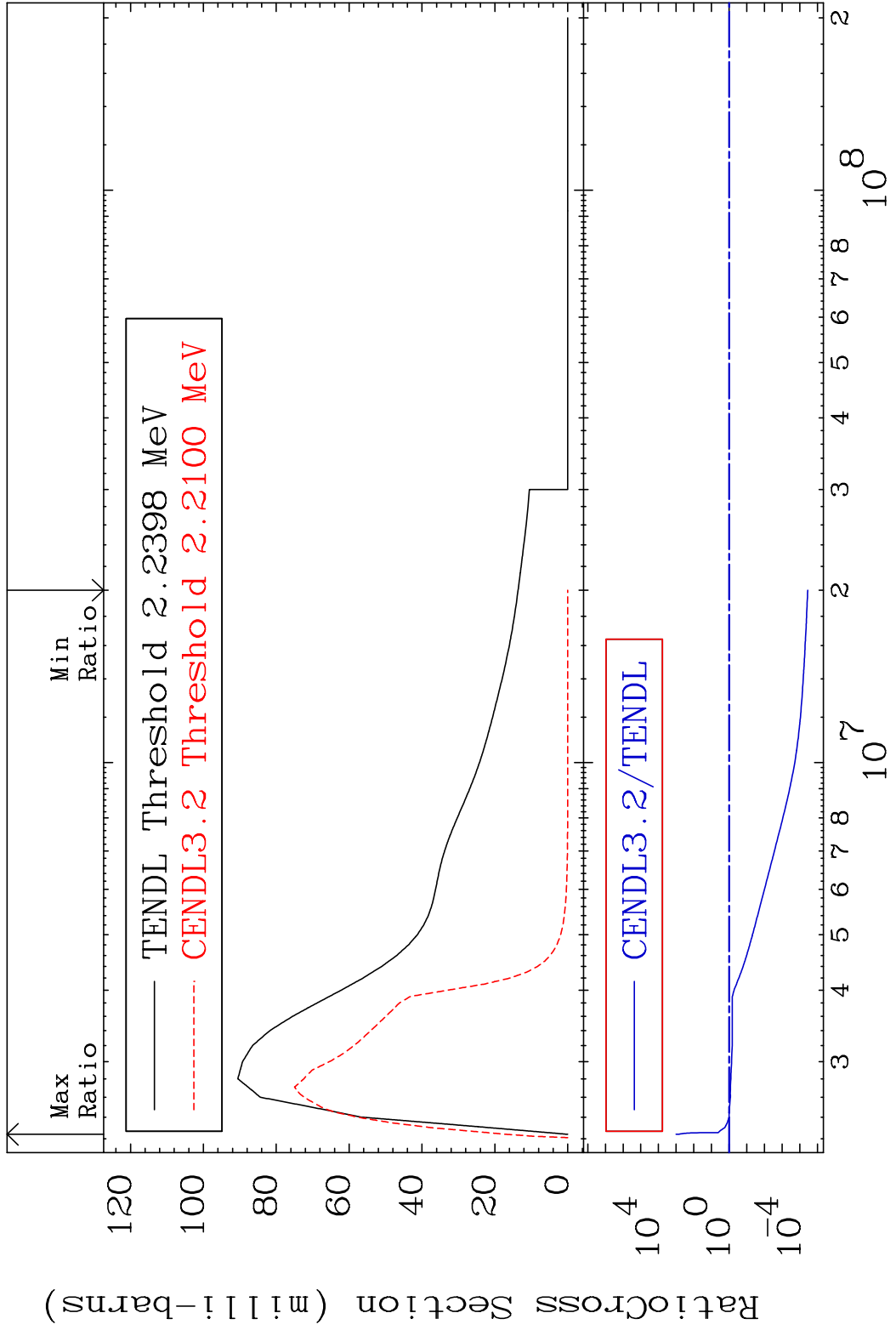
11 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 55 (n, n') Level 50-Sn-124
 Cross Section 88.48 To 4258. %



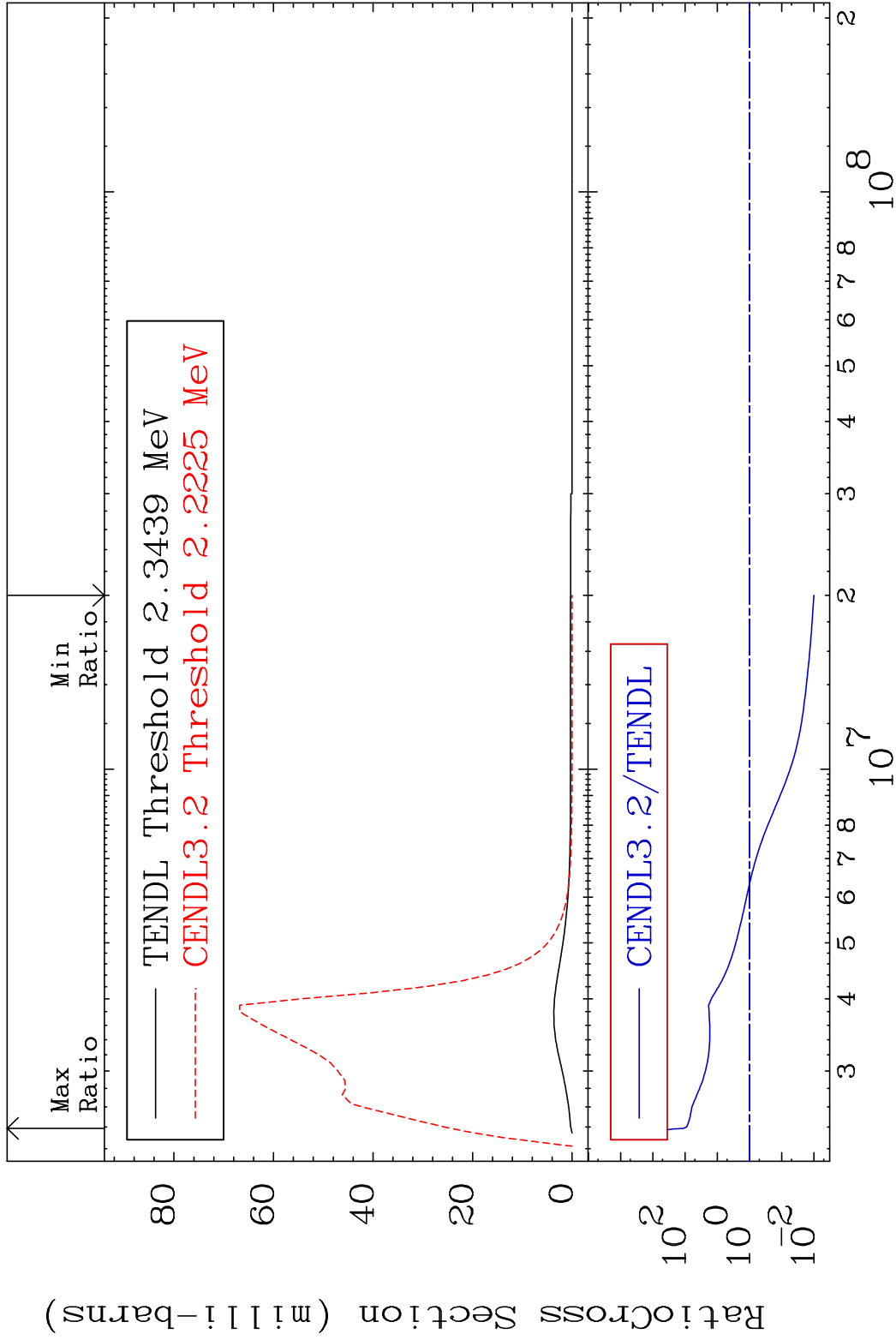
12 Incident Energy (eV) 50-Sn-124

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



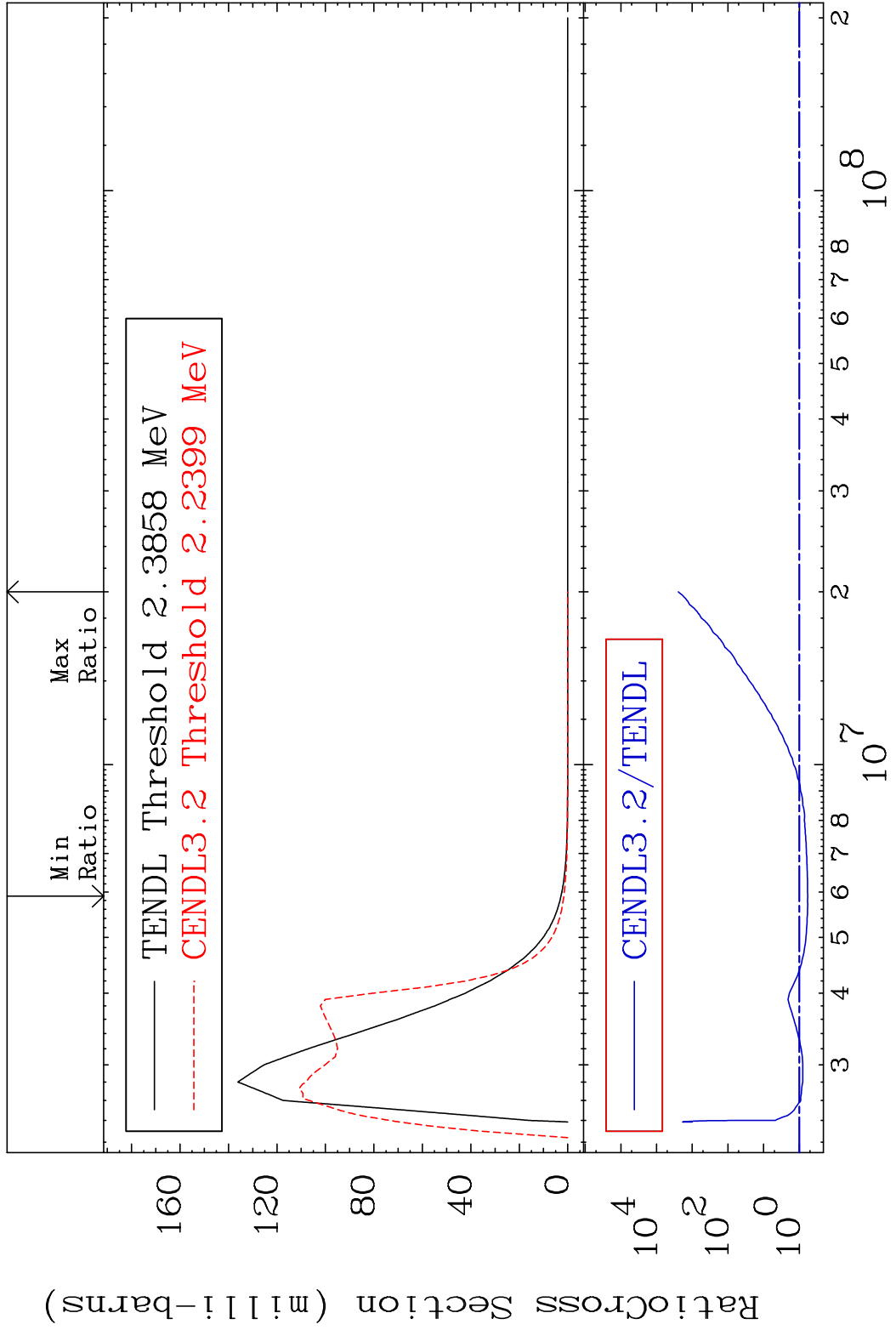
13 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 57 (n, n') Level 50-Sn-124
 Cross Section -98.99 To 9999. %



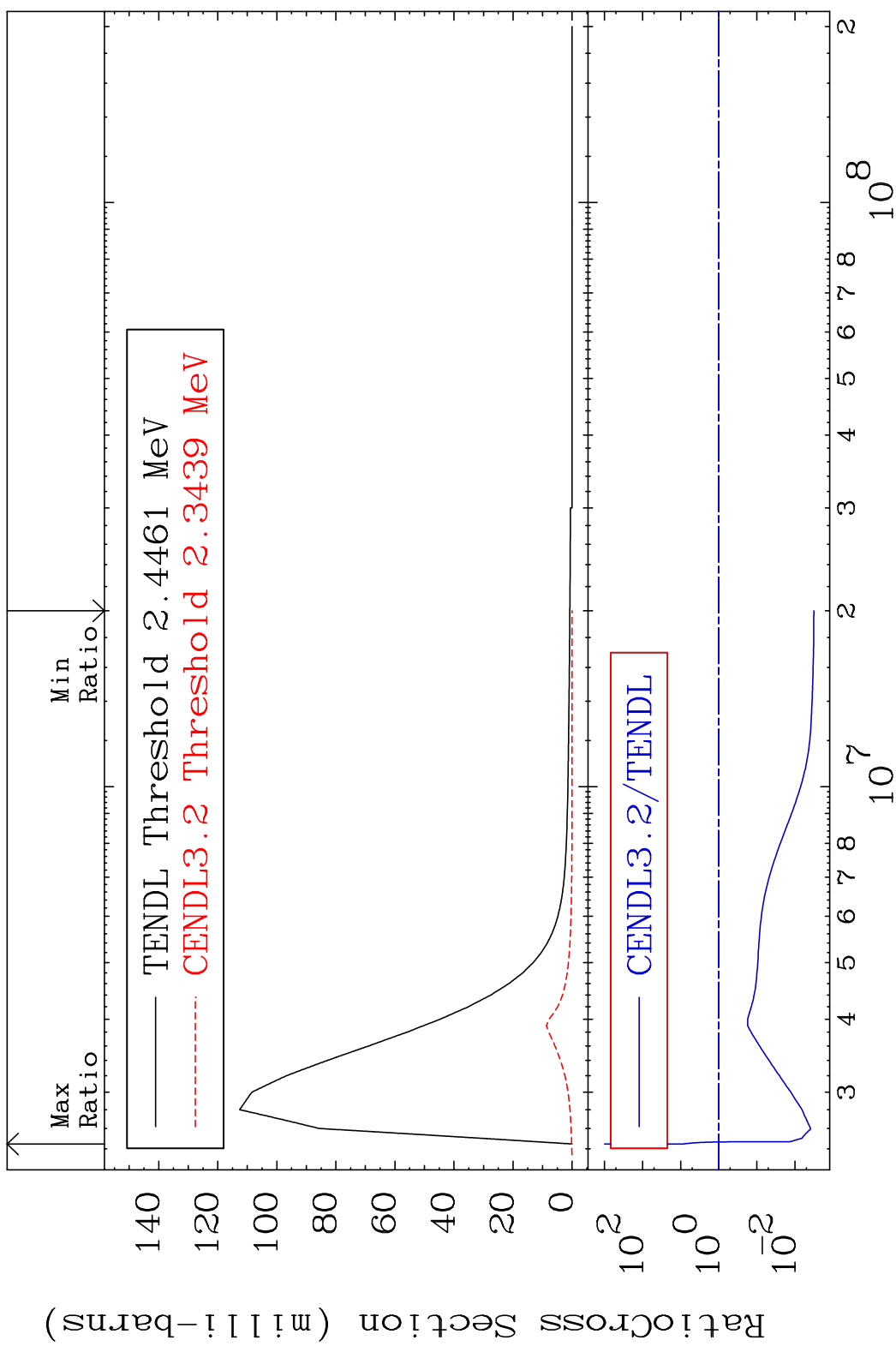
14 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 58 (n, n') Level 50-Sn-124
 Cross Section -41.99 To 9999. %



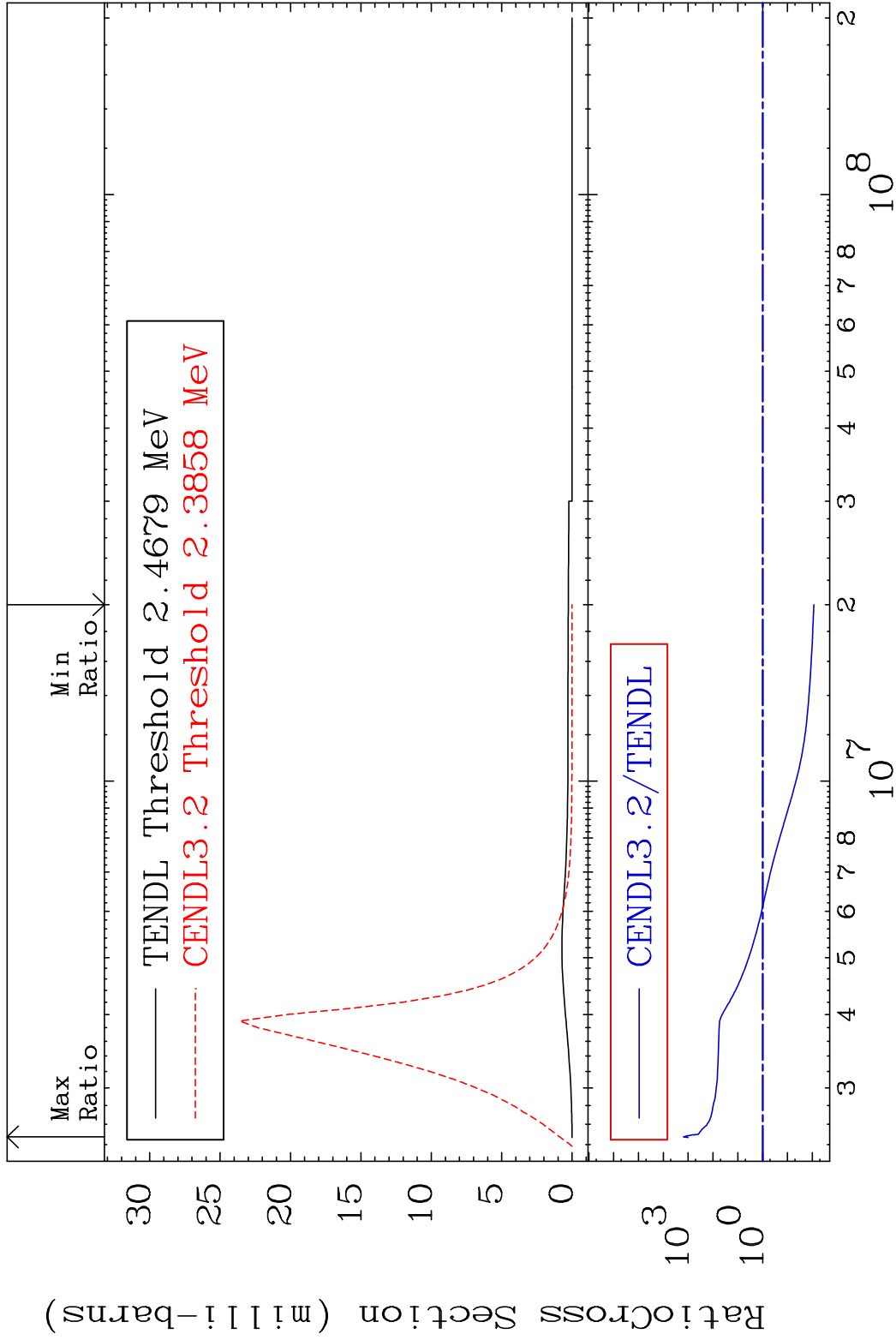
15 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 59 (n, n') Level 50-Sn-124
 Cross Section -99.68 To 744.0 %



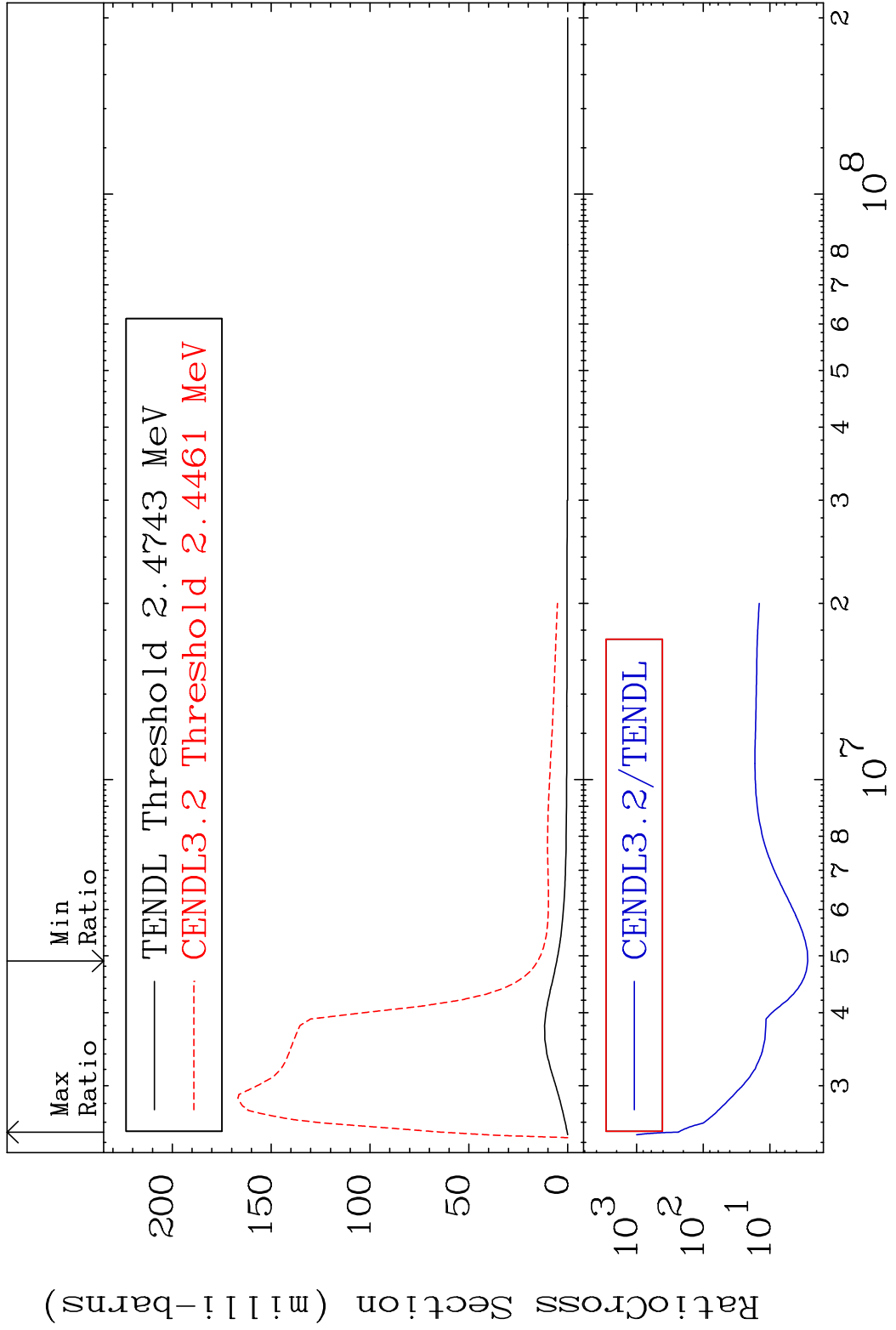
16 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 60 (n, n') Level 50-Sn-124
 Cross Section -99.13 To 9999. %



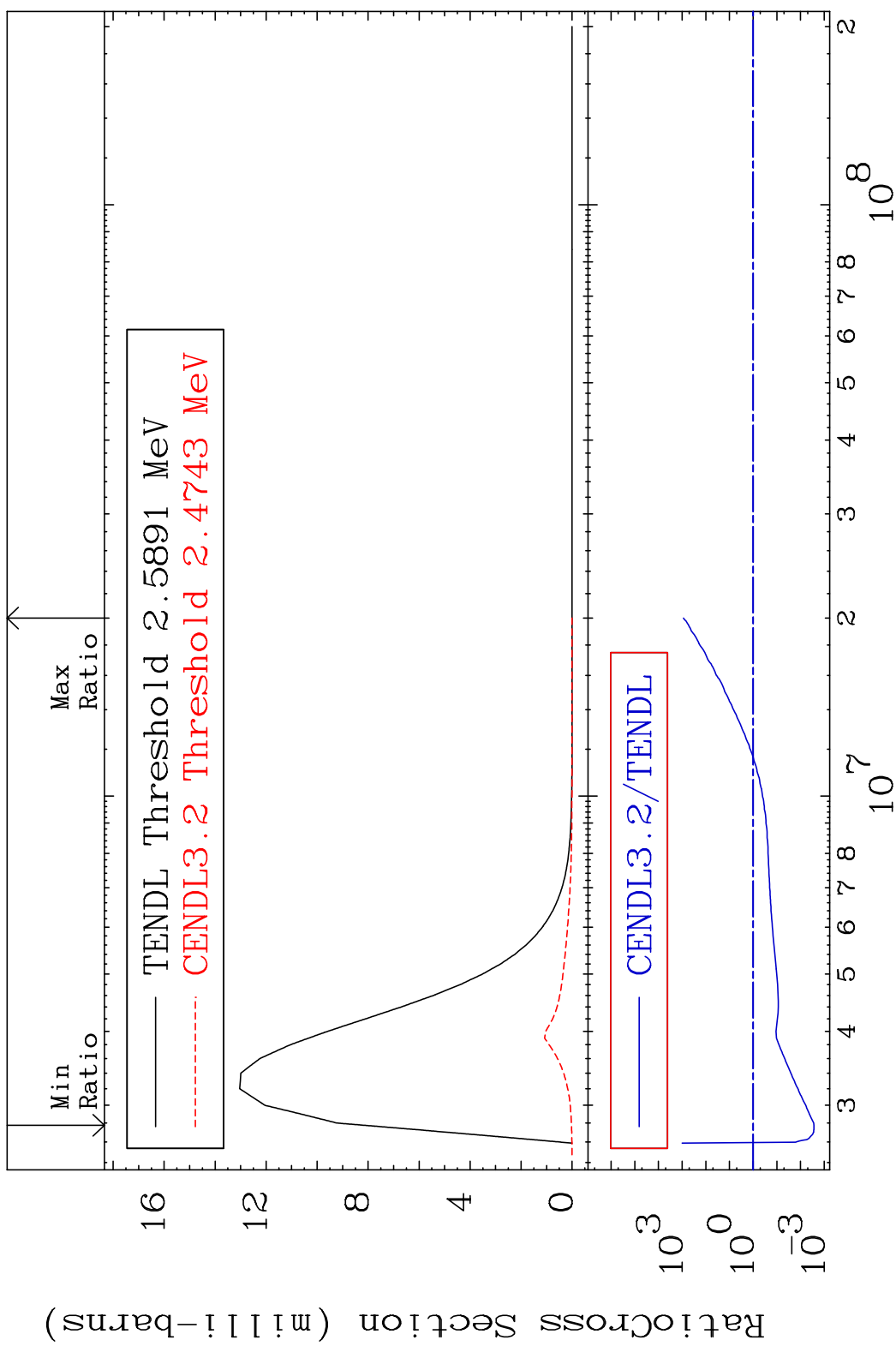
17 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 61 (n, n') Level 50-Sn-124
 Cross Section 171.7 To 9999. %



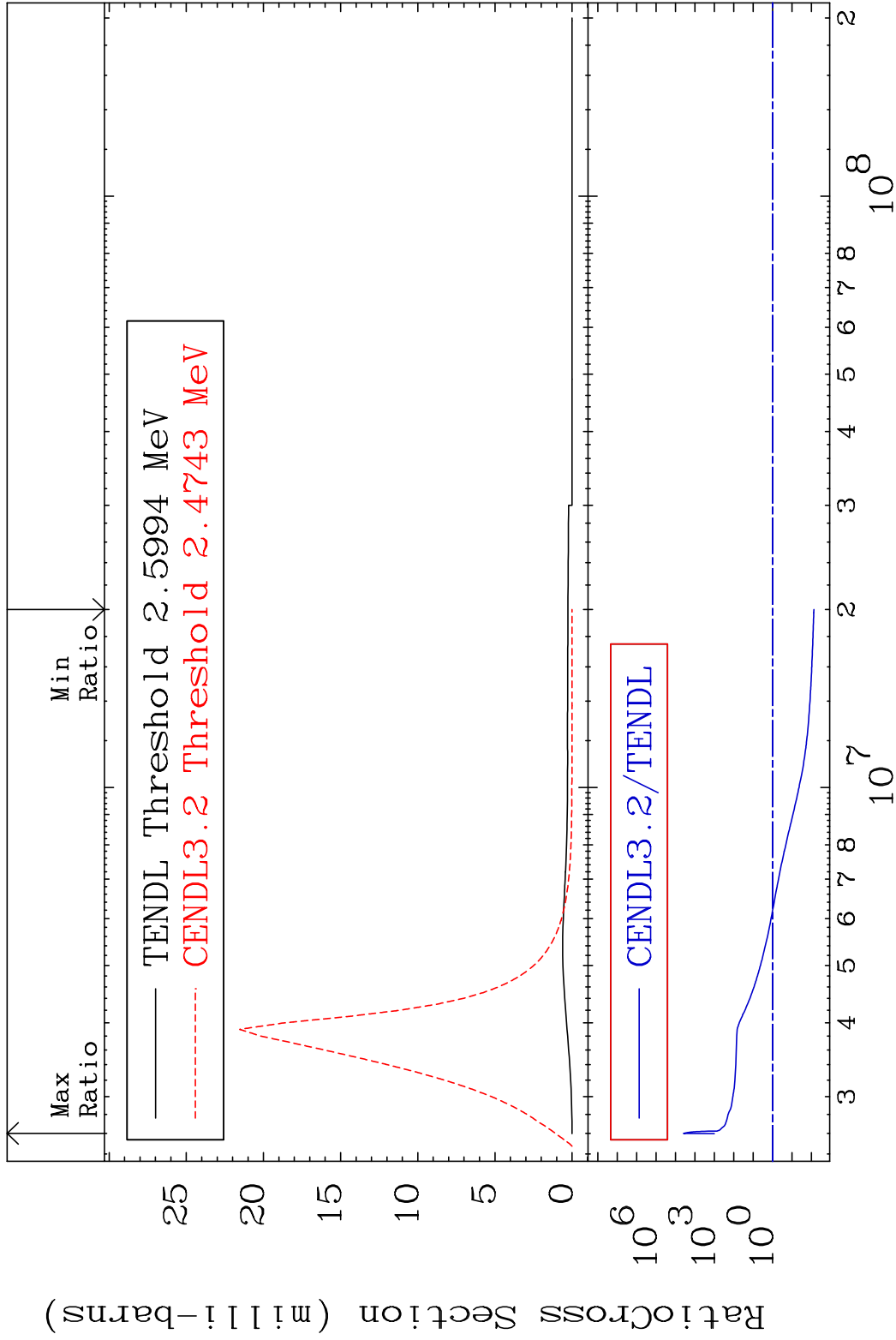
18 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 62 (n, n') Level 50-Sn-124
 Cross Section -99.73 To 9999. %



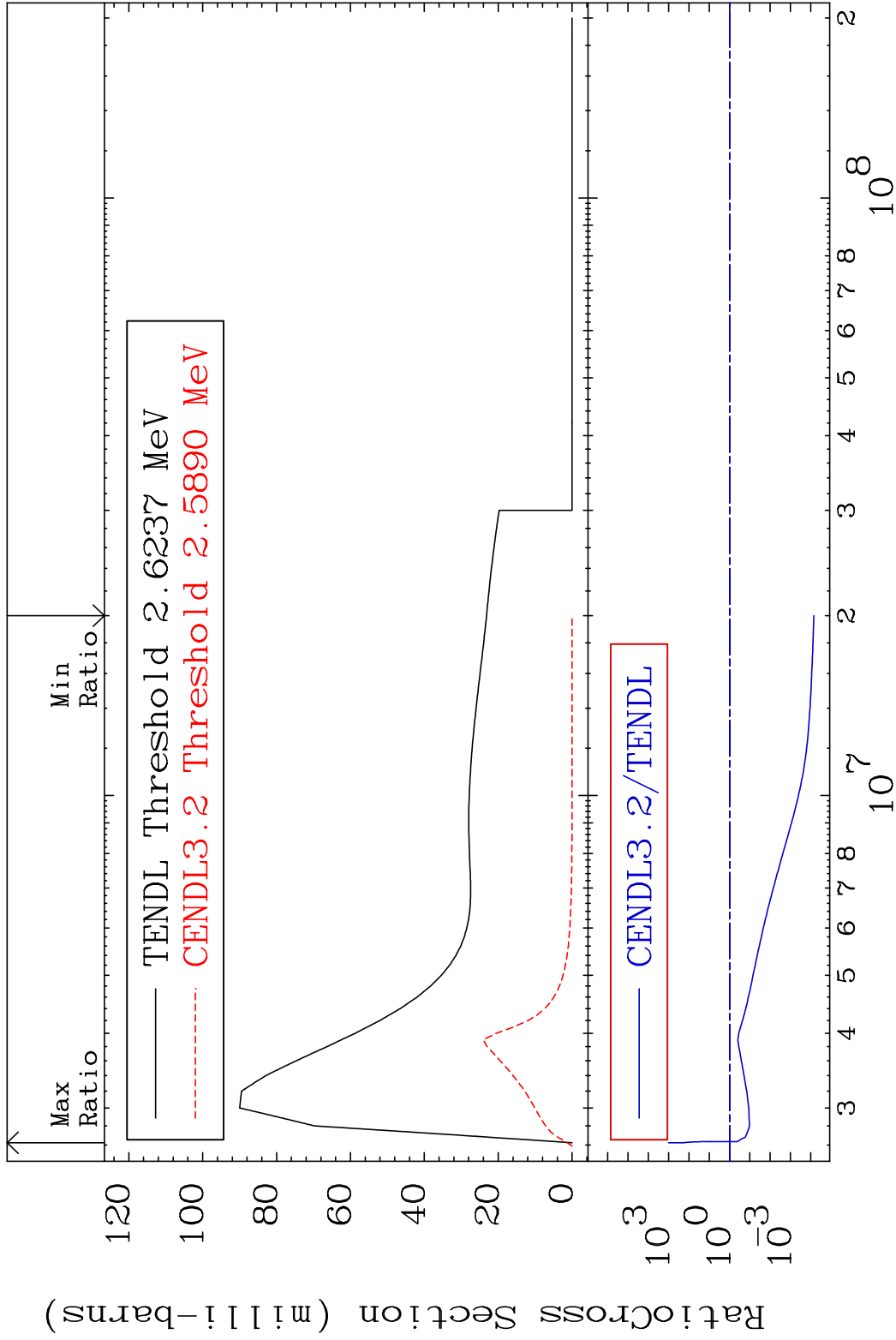
19 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 63 (n, n') Level 50-Sn-124
 Cross Section -99.26 To 9999. %



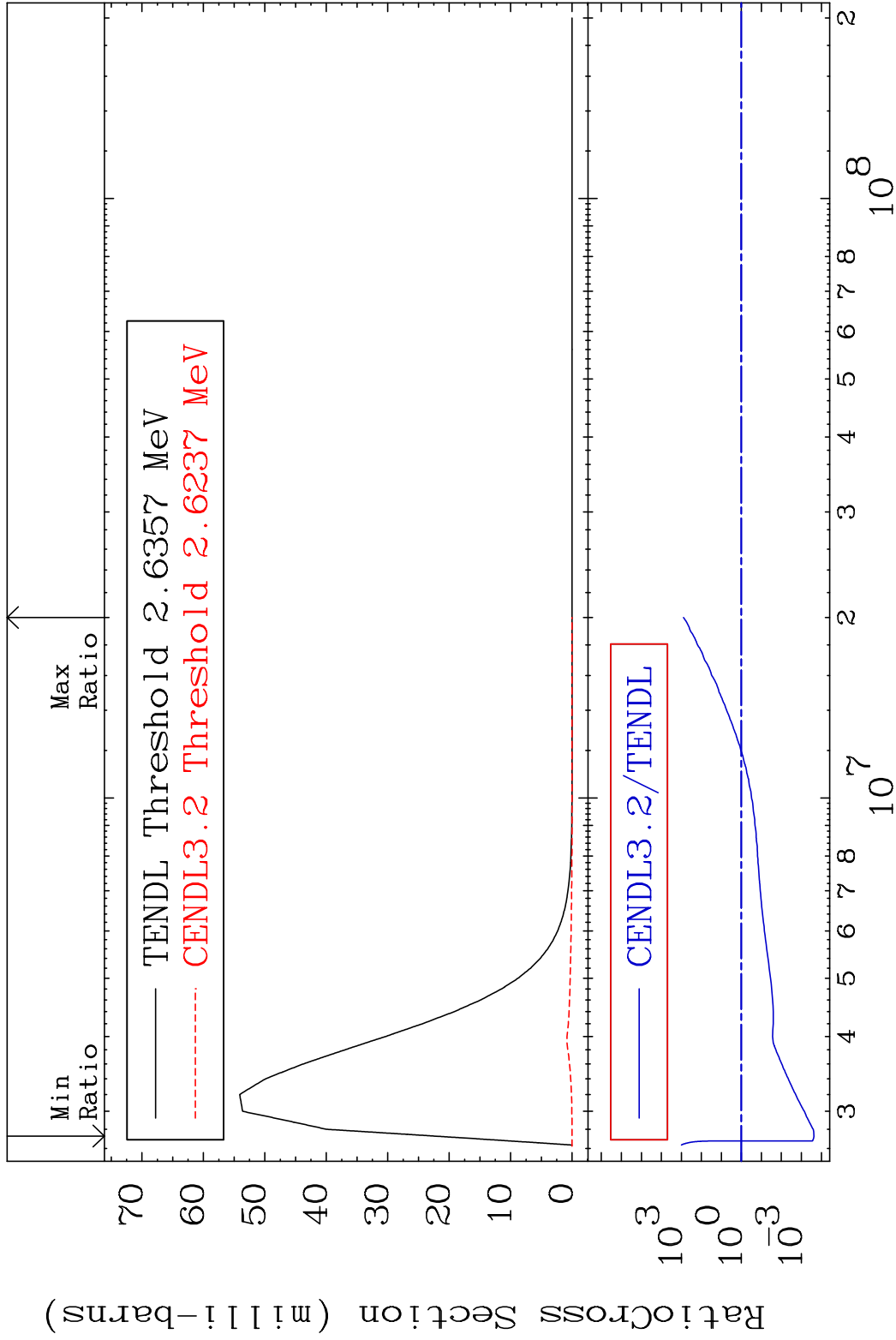
20 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 64 (n, n') Level 50-Sn-124
 Cross Section -99.99 To 9999. %

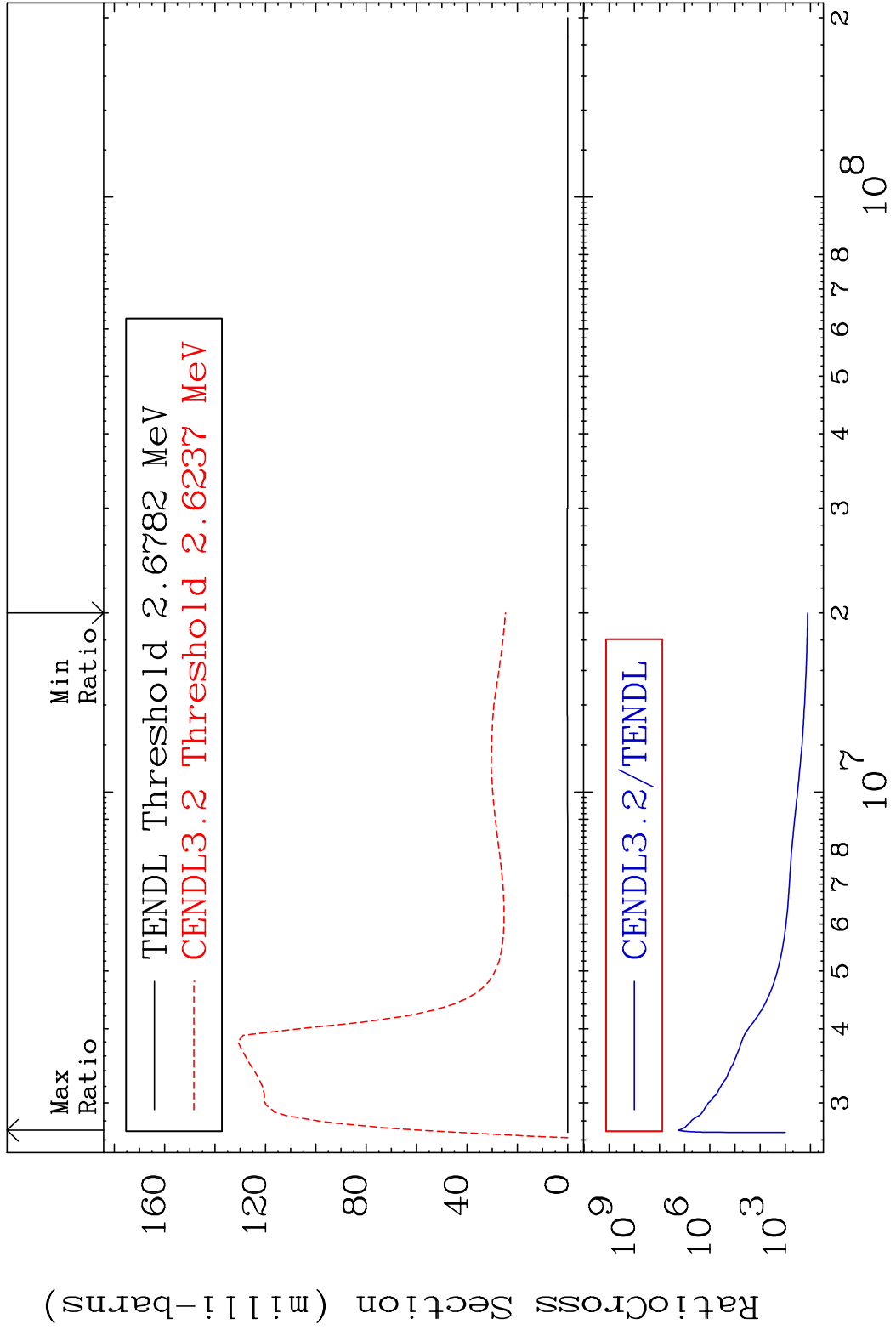


21 Incident Energy (eV) 50-Sn-124

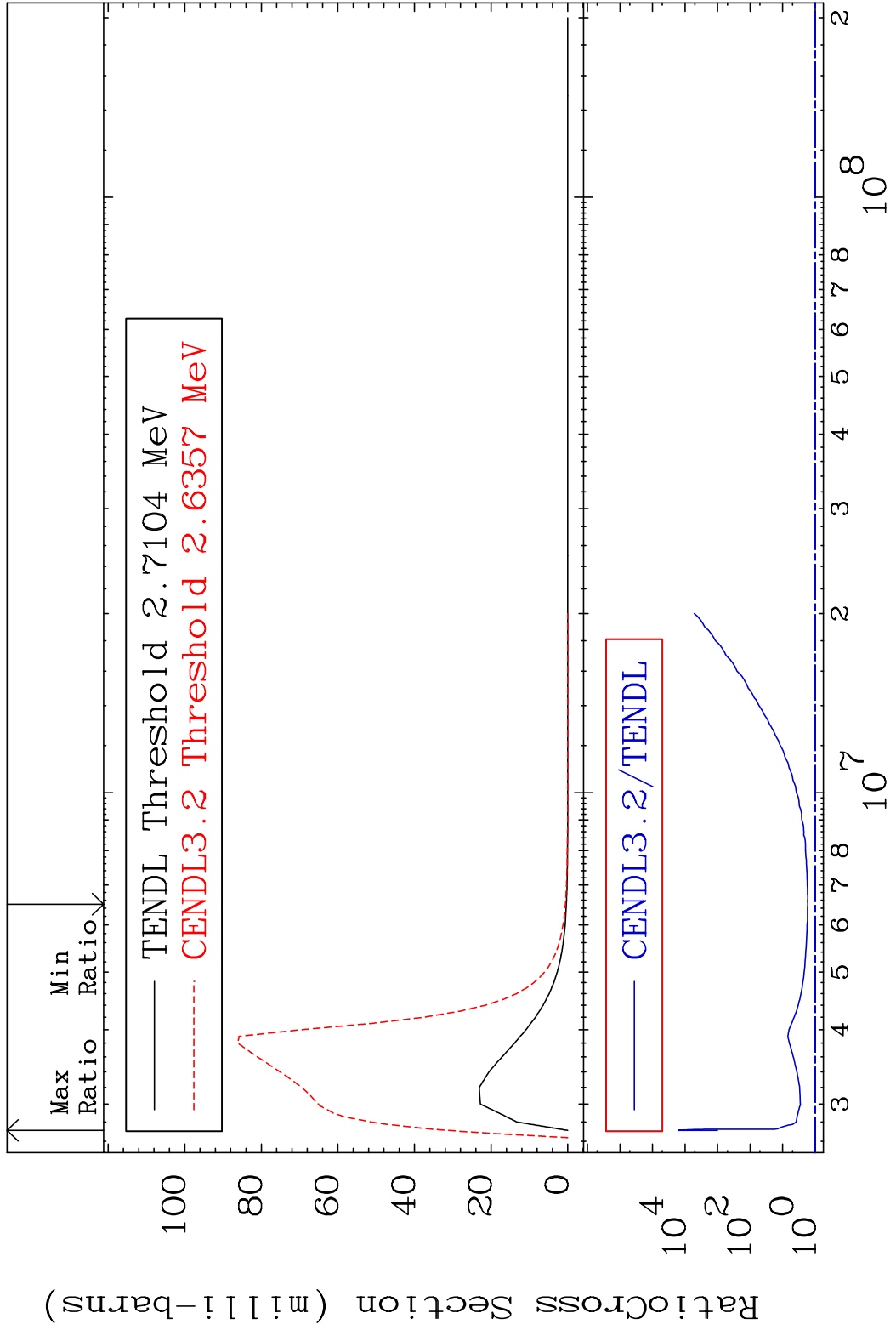
MAT 5061 MT= 65 (n, n') Level 50-Sn-124
 Cross Section -99.98 To 9999. %



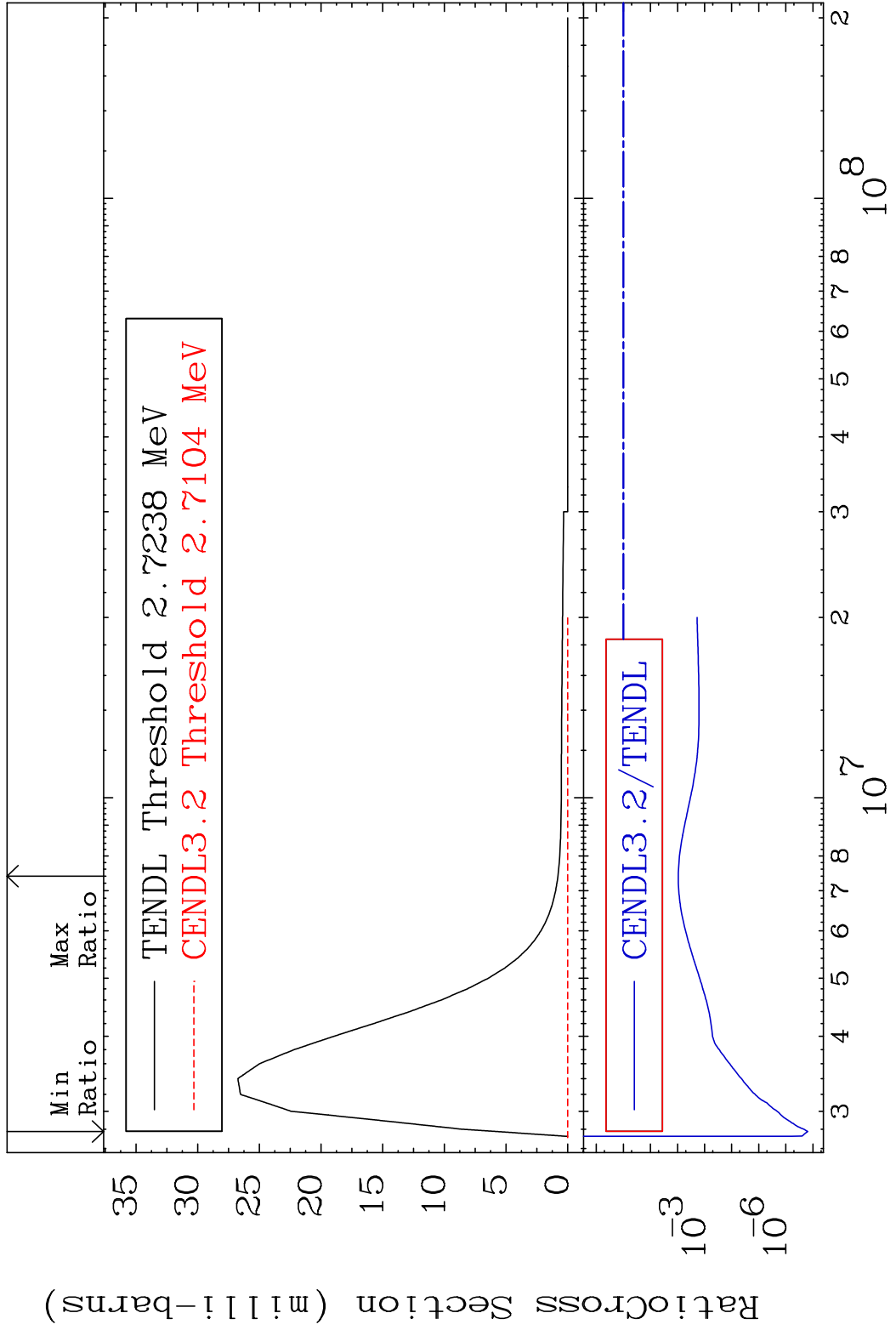
MAT 5061 MT= 66 (n, n') Level 50-Sn-124
 Cross Section 9999. To 9999. %



MAT 5061 MT= 67 (n, n') Level 50-Sn-124
 Cross Section 70.47 To 9999. %

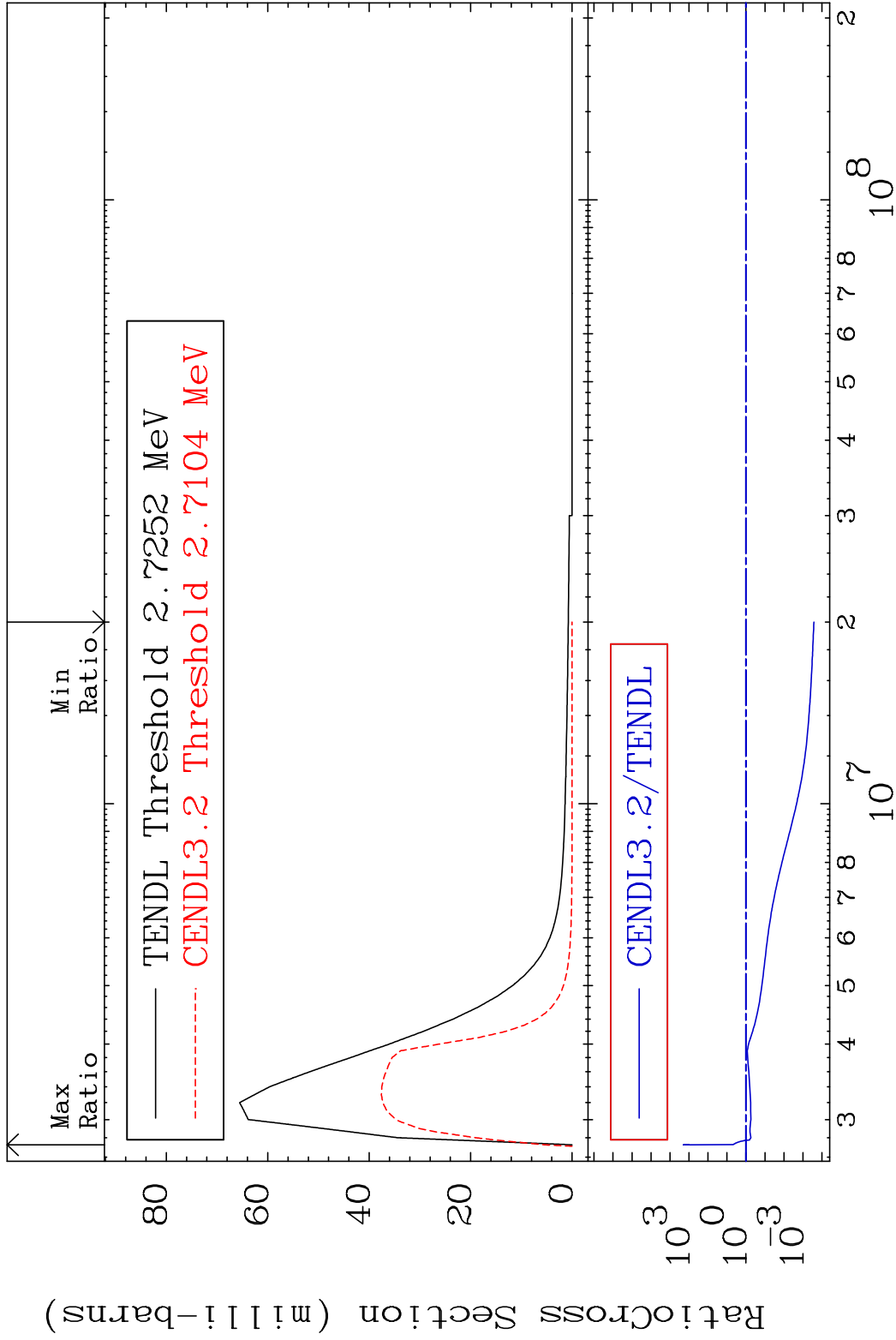


MAT 5061 MT= 68 (n, n') Level 50-Sn-124
 Cross Section -100.0 To -99.06%

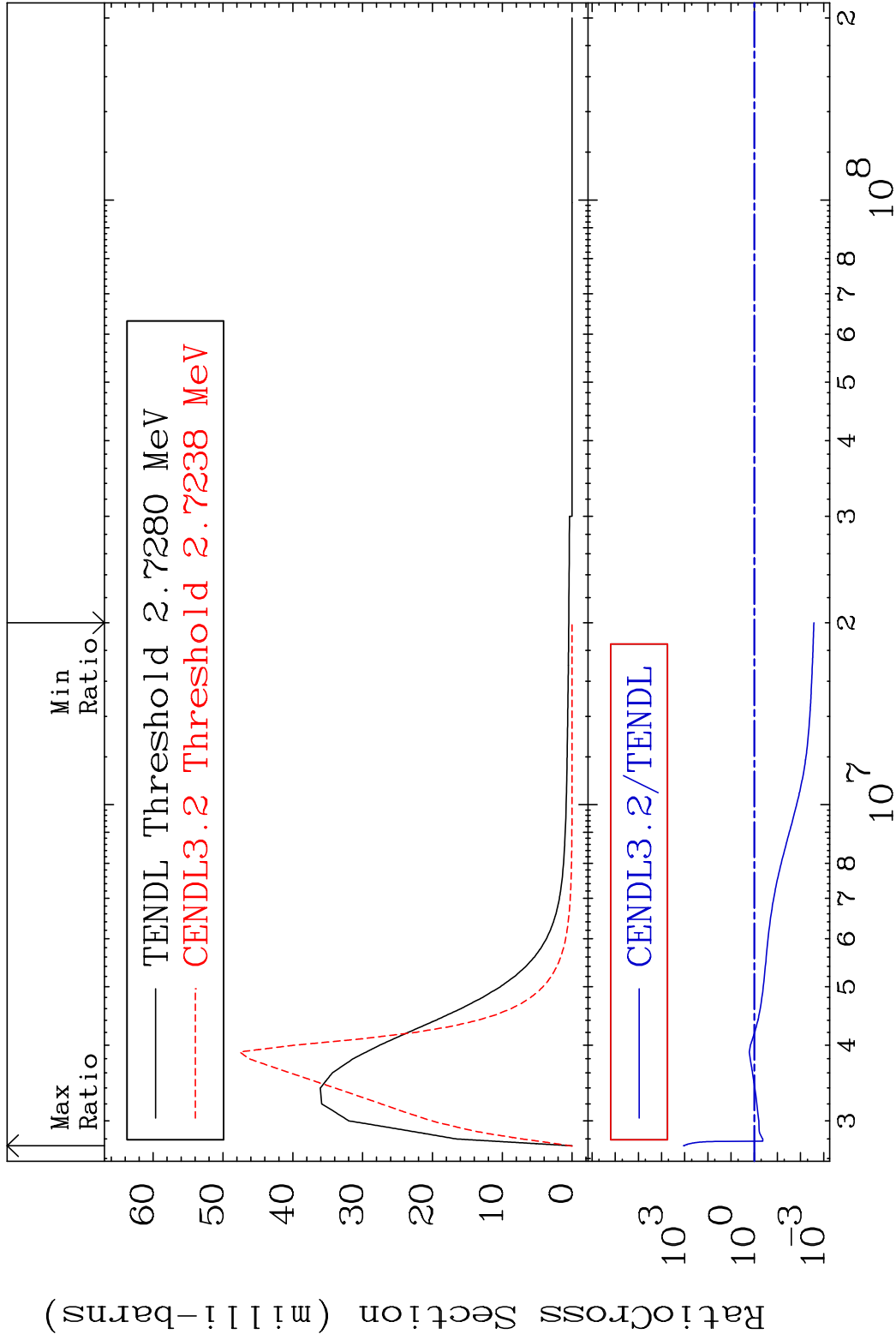


25 Incident Energy (eV) 50-Sn-124

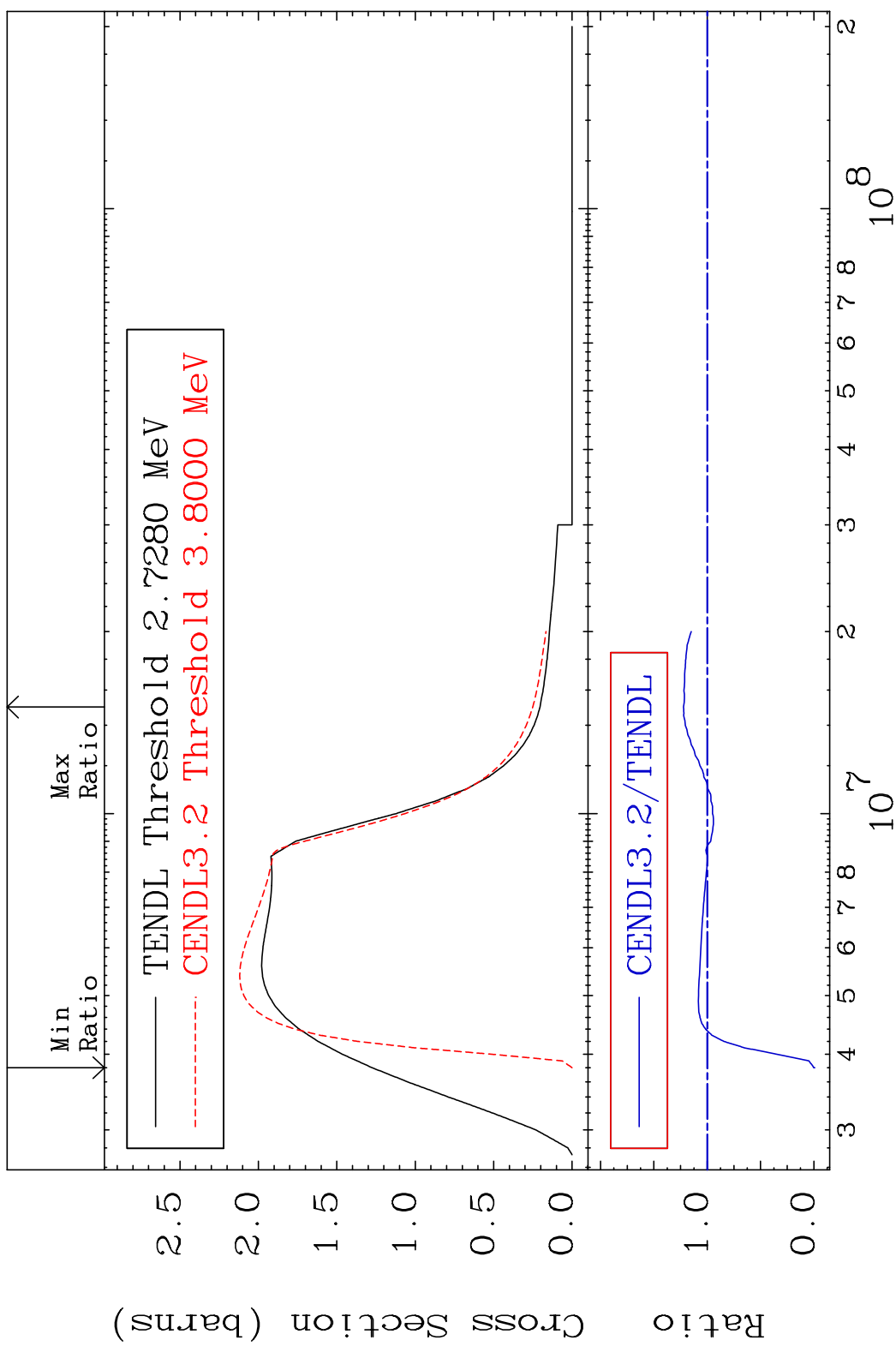
MAT 5061 MT= 69 (n, n') Level 50-Sn-124
 Cross Section -99.97 To 9999. %



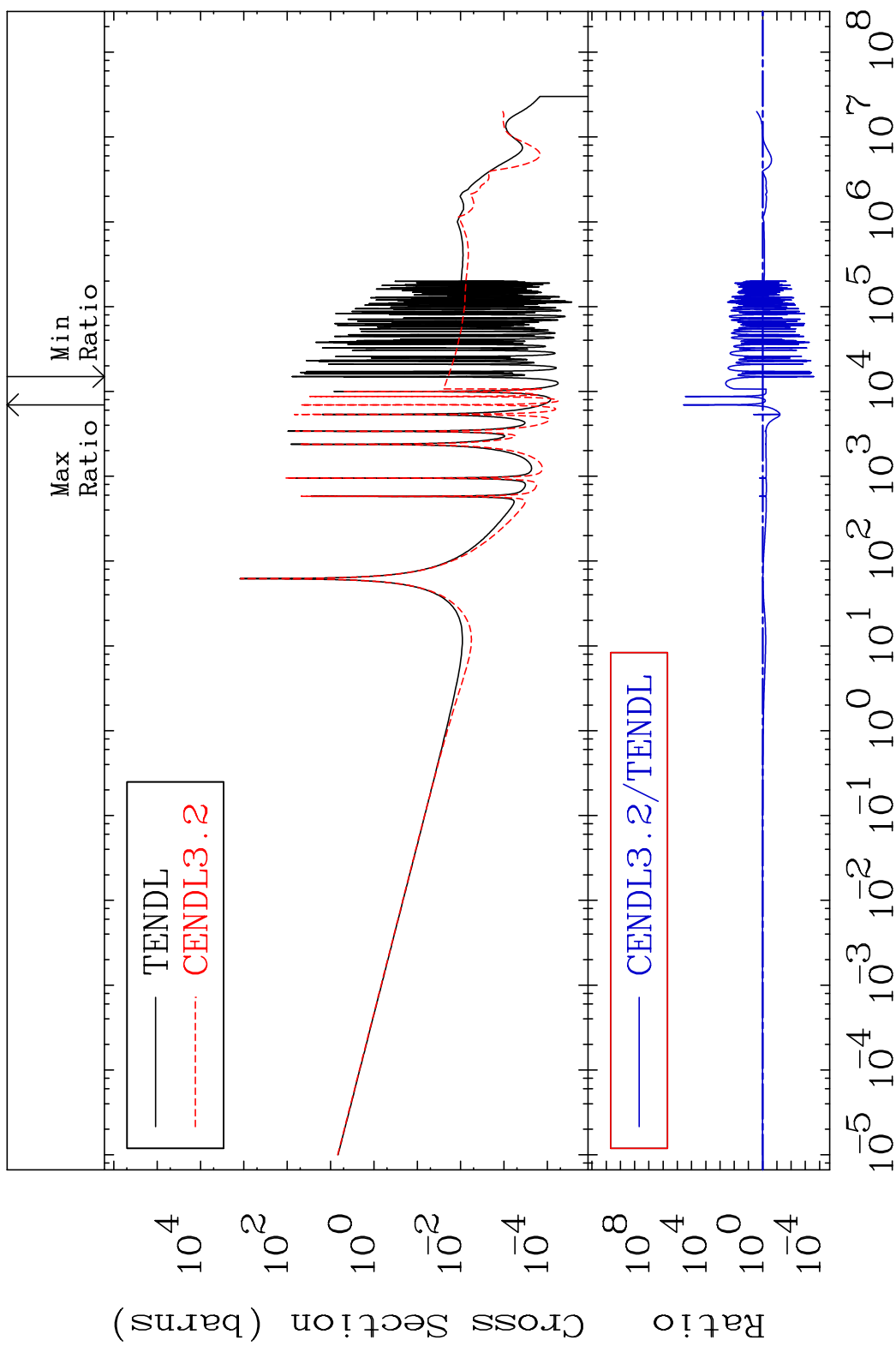
MAT 5061 MT= 70 (n, n') Level 50-Sn-124
 Cross Section -99.73 To 9999. %



MAT 5061 (n, n') Continuum 50-Sn-124
 Cross Section -100.0 To 22.29 %

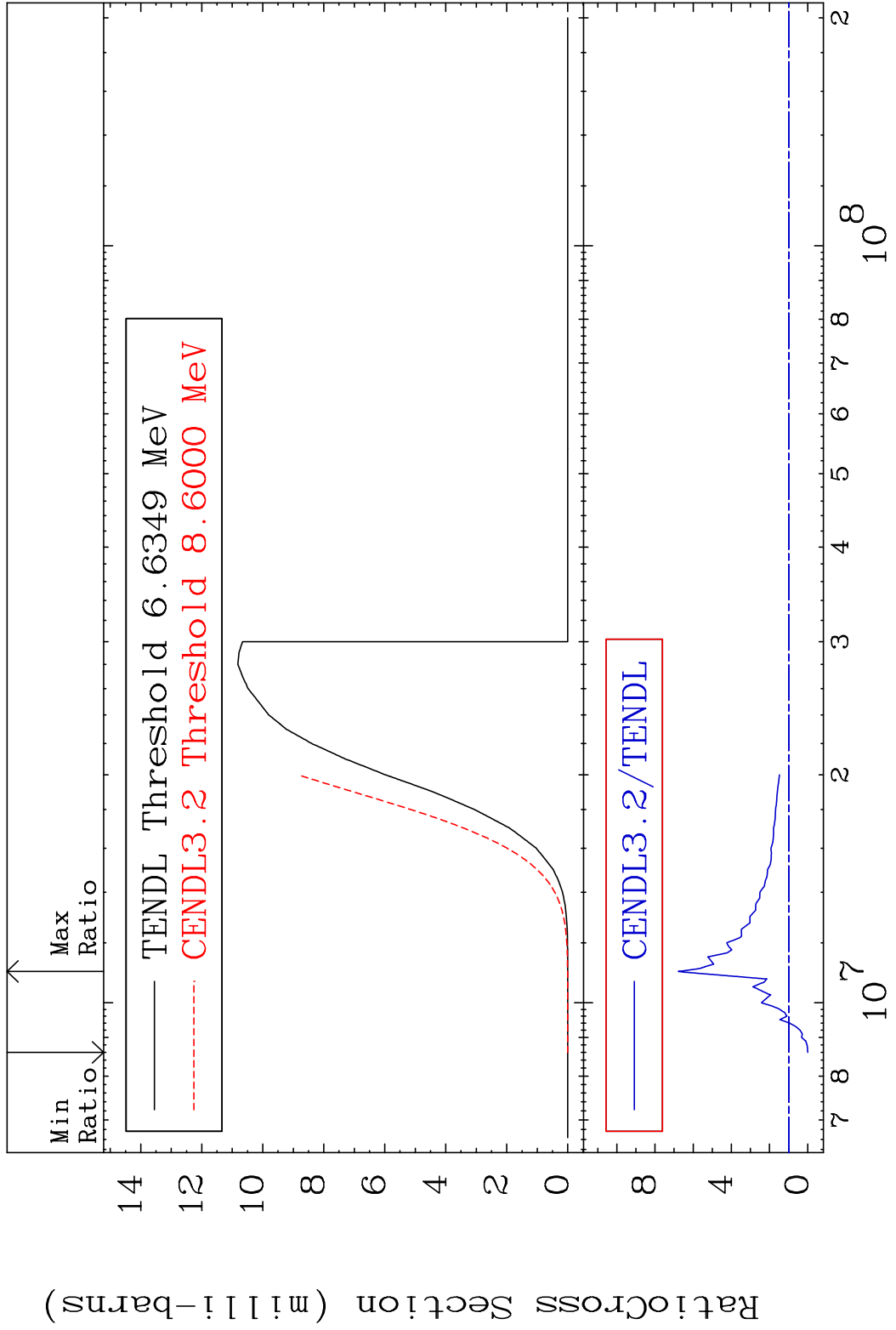


MAT 5061 (n, γ) 50-Sn-124
 Cross Section -99.97 To 9999. %



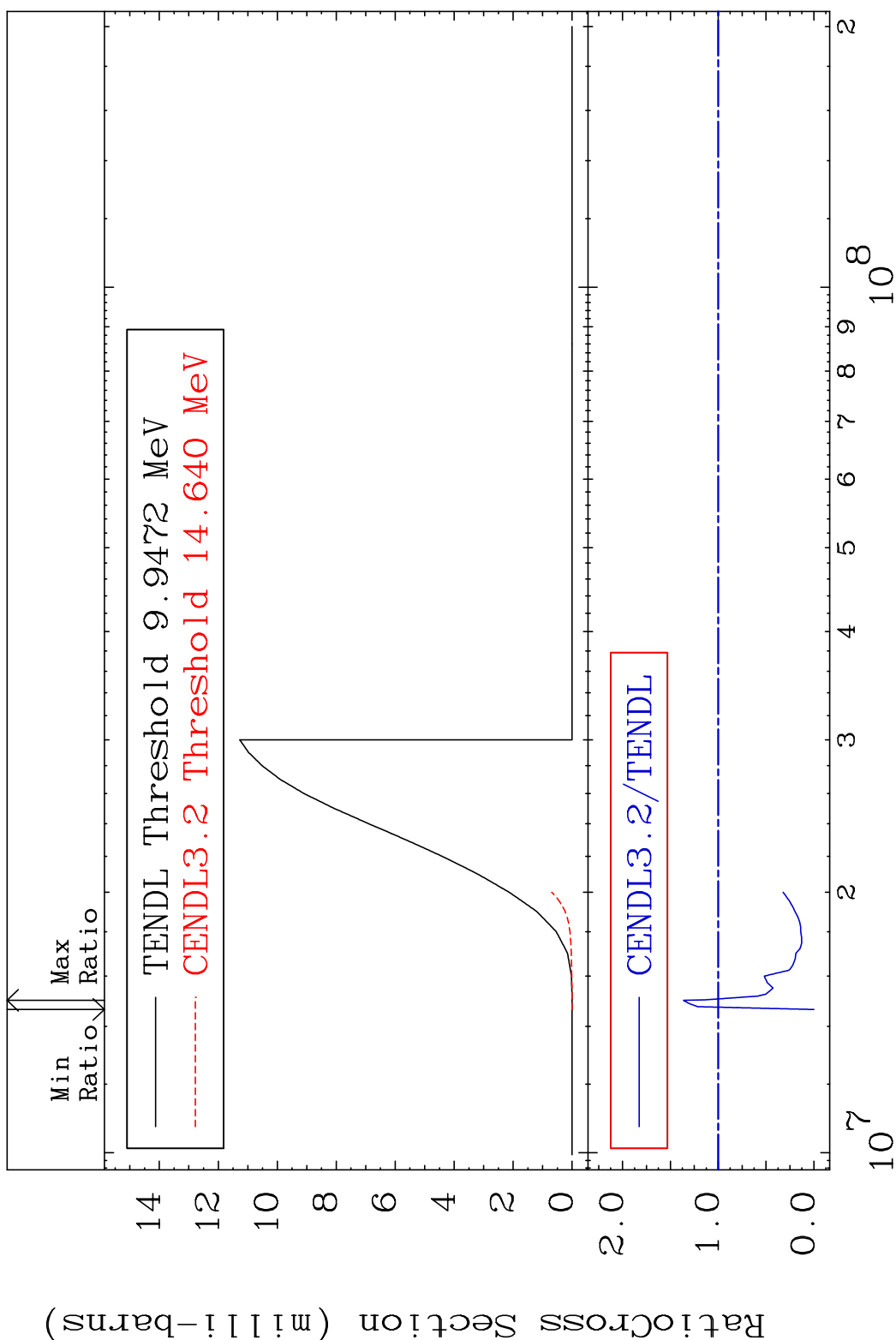
29 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,p) 50-Sn-124
 Cross Section -100.0 To 578.1 %

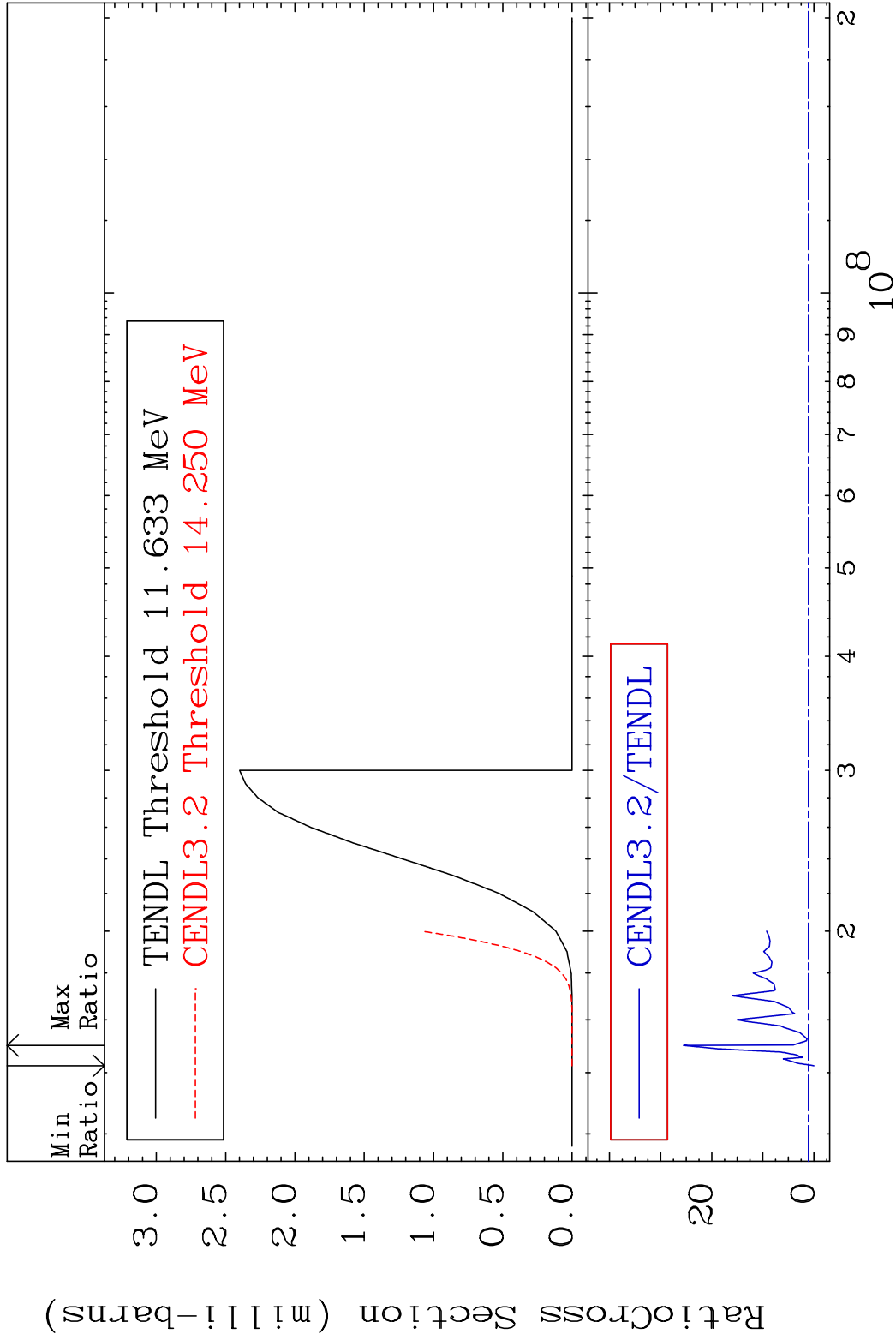


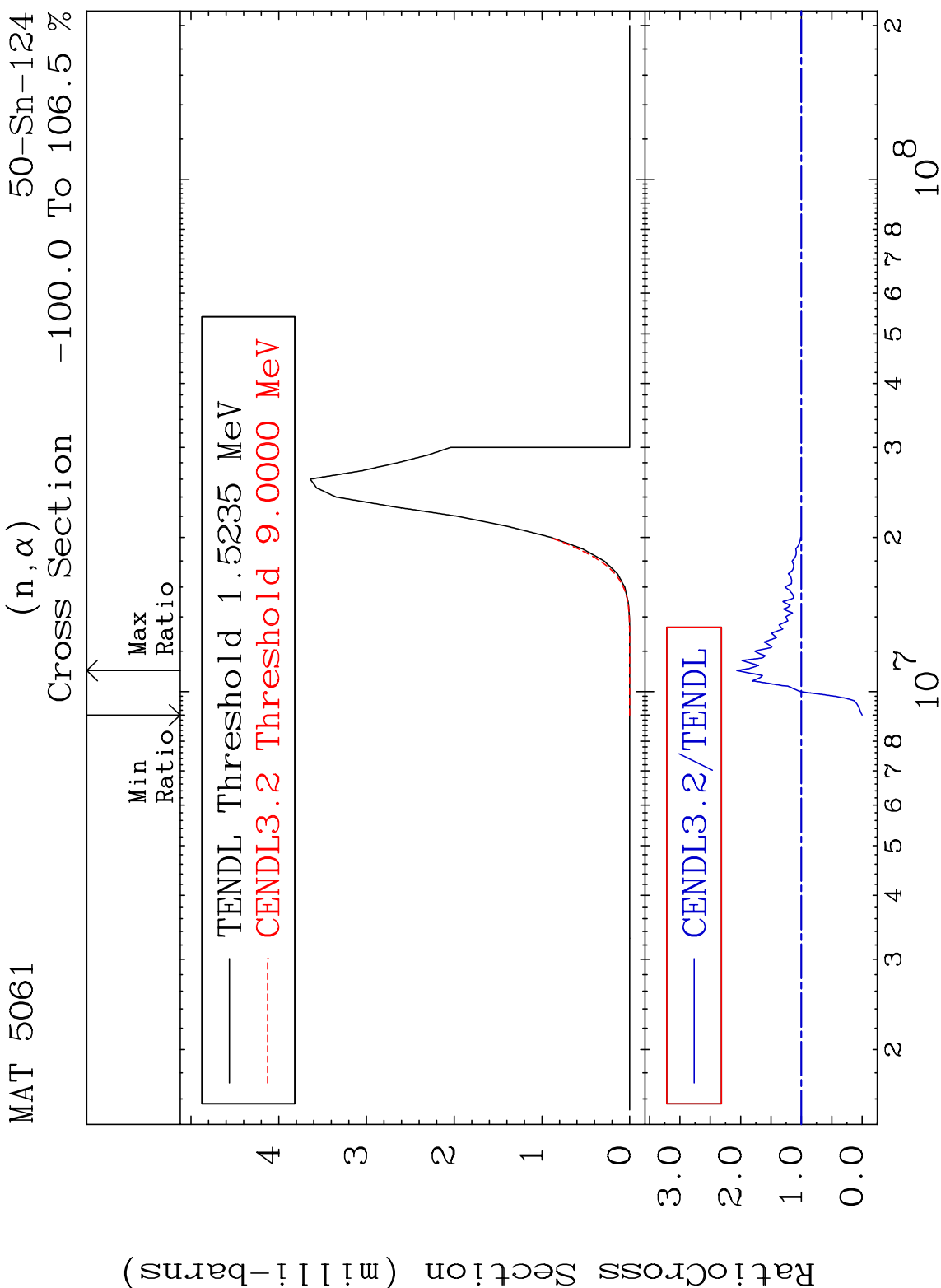
30 Incident Energy (eV) 50-Sn-124

MAT 5061 (n, d) 50-Sn-124
 Cross Section -100.0 To 36.34 %

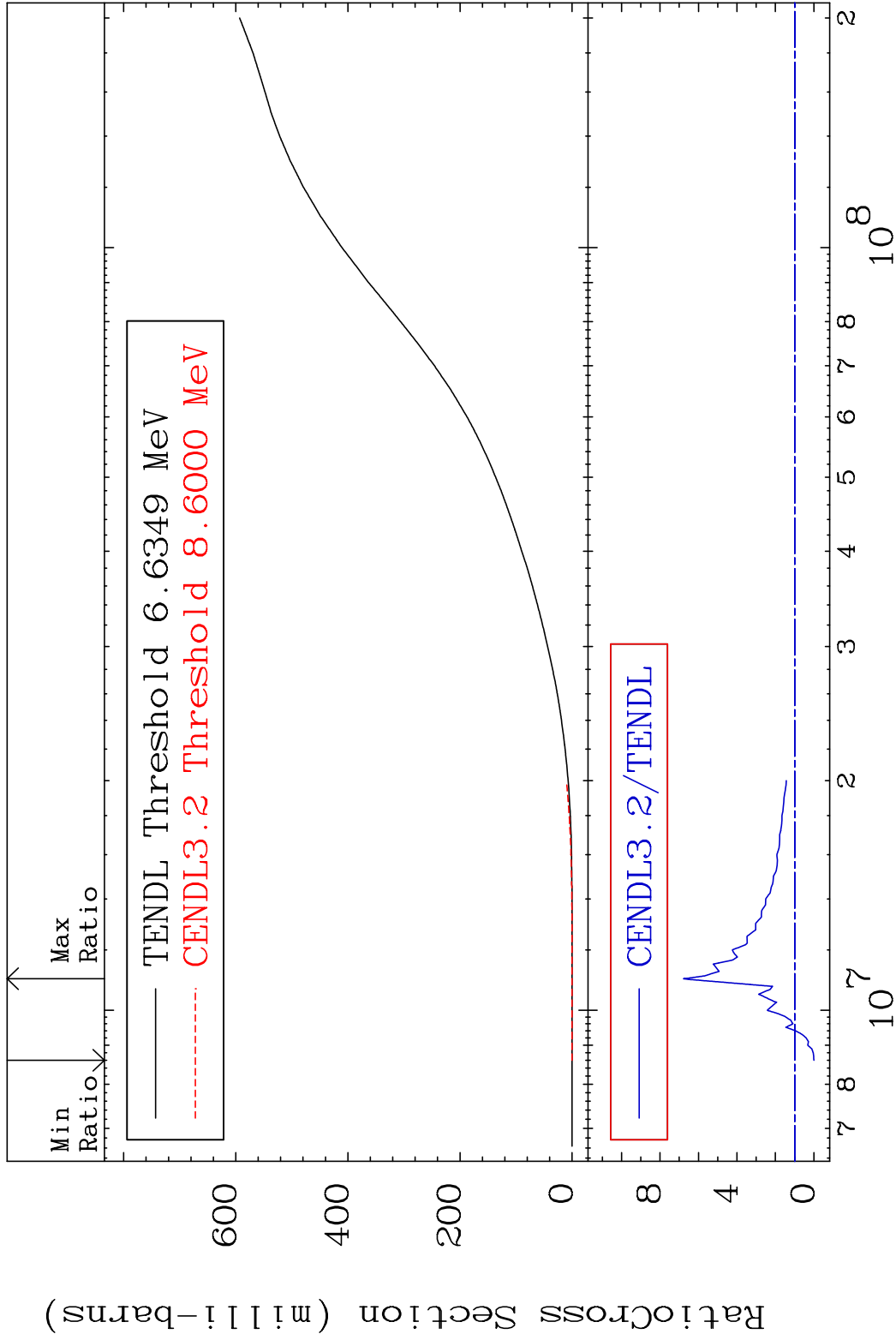


MAT 5061 (n, t) 50-Sn-124
 Cross Section -100.0 To 2454. %

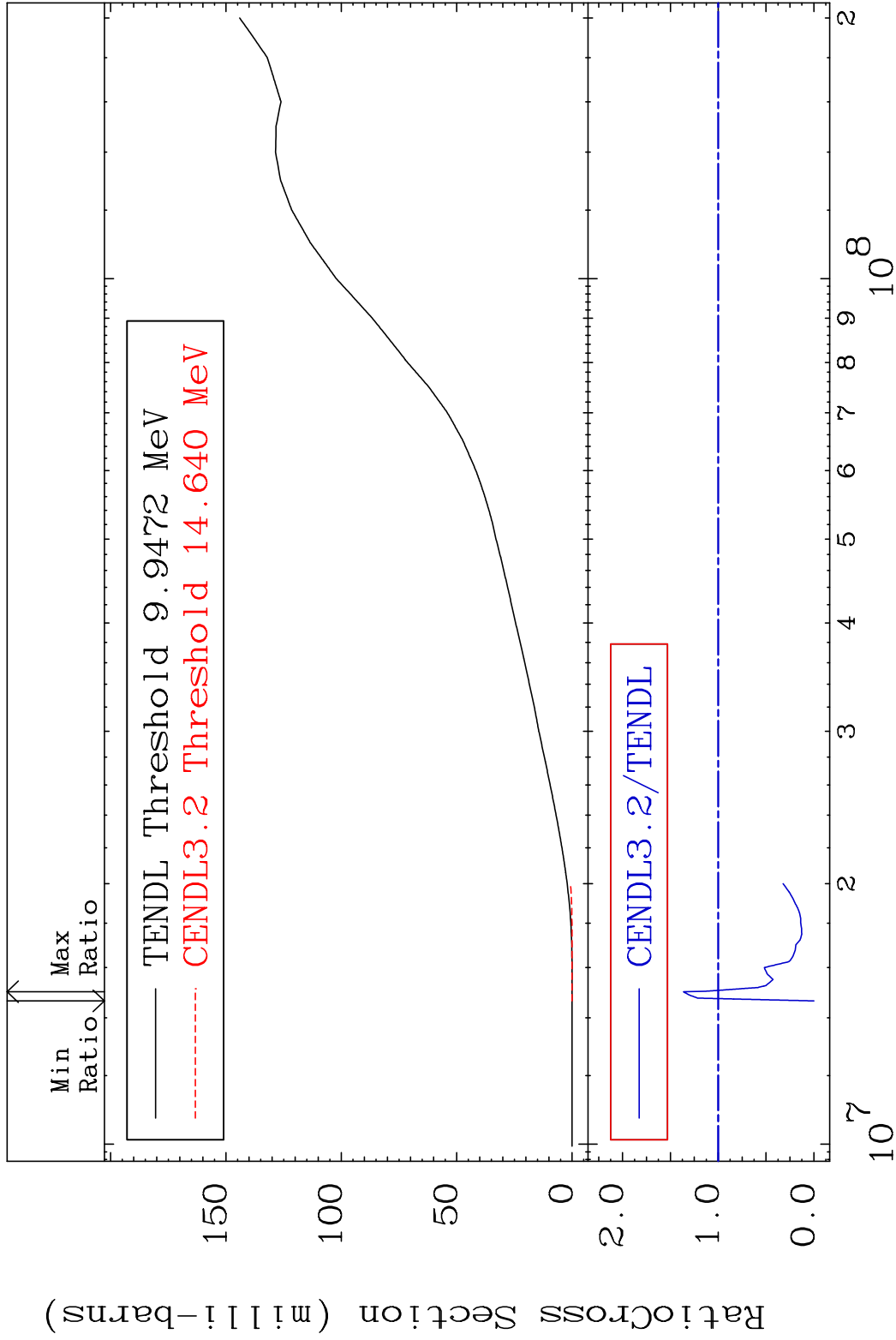




MAT 5061 Hydrogen Production 50-Sn-124
 Cross Section -100.0 To 578.1 %

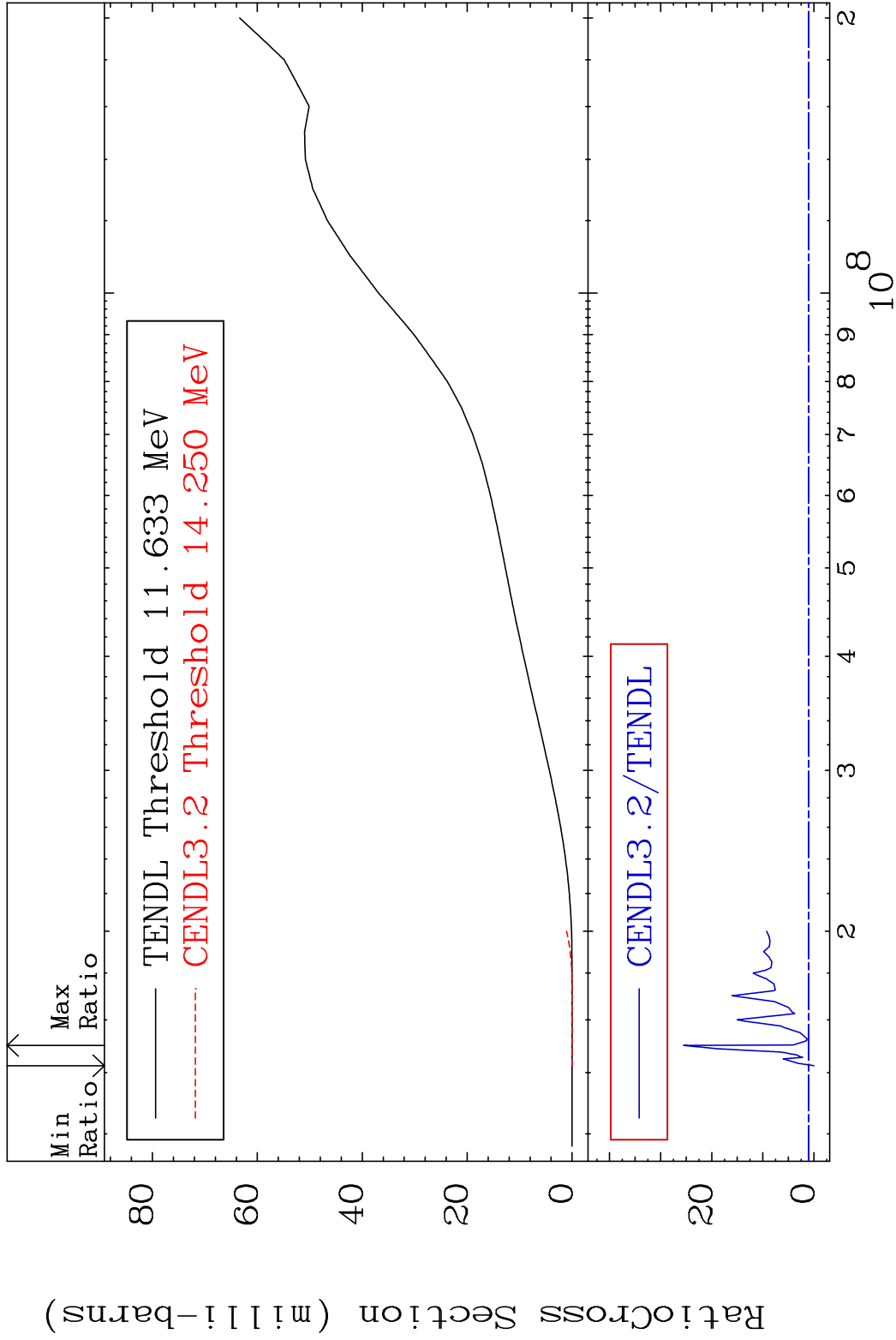


MAT 5061 Deuterium Production 50-Sn-124
 Cross Section -100.0 To 36.34 %



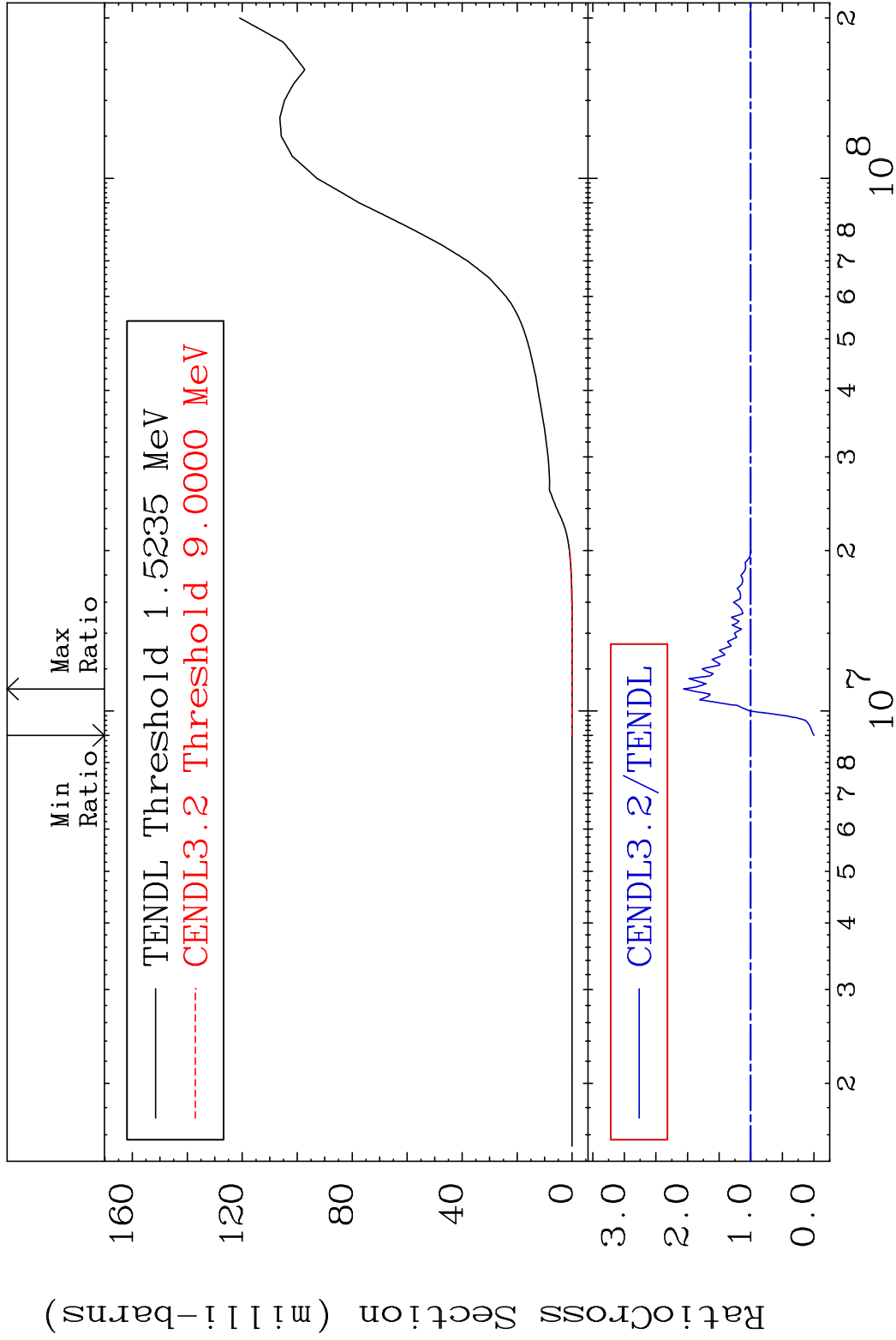
35 Incident Energy (eV) 50-Sn-124

MAT 5061 Tritium Production 50-Sn-124
Cross Section -100.0 To 2454. %



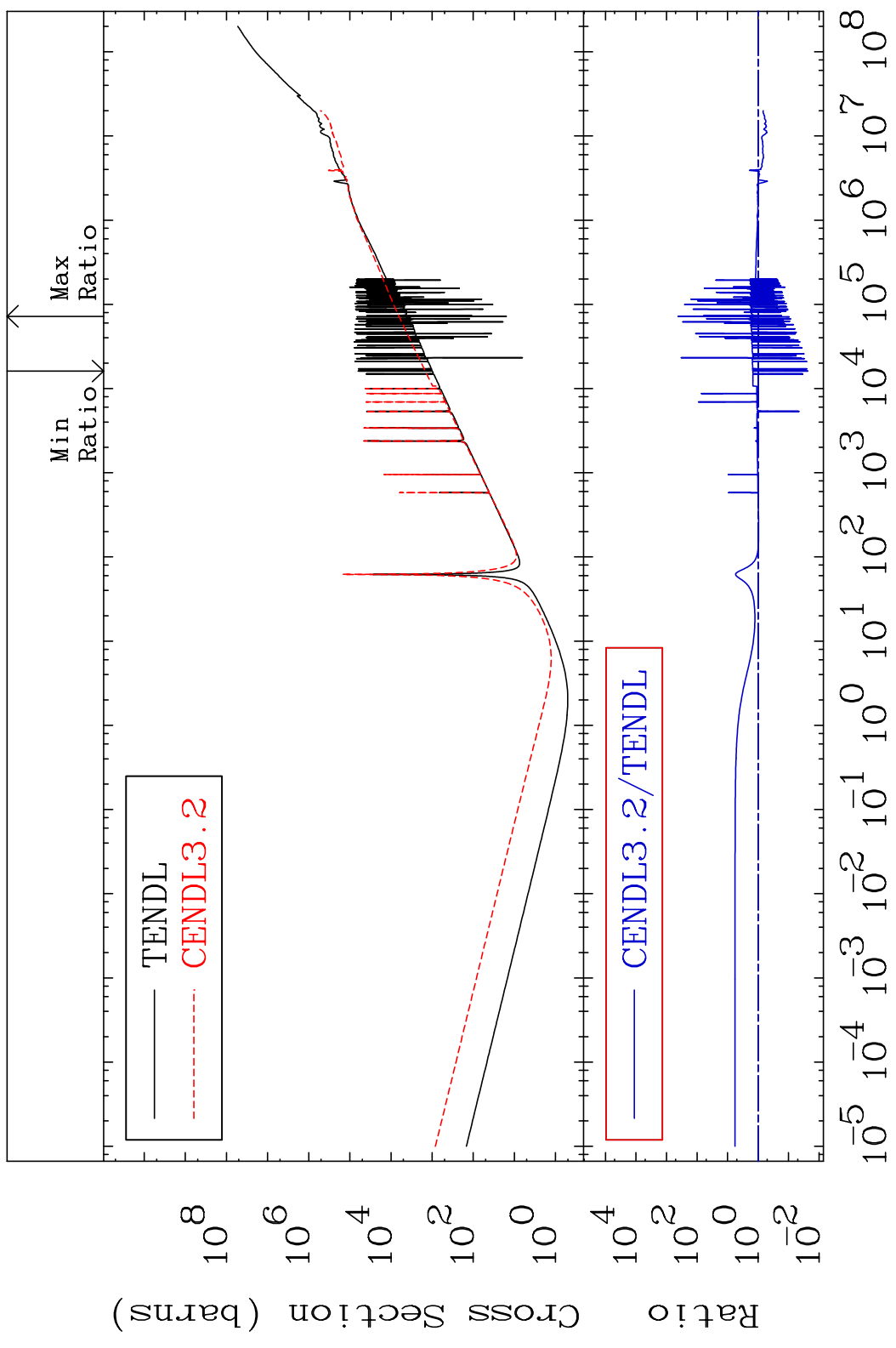
36 Incident Energy (eV) 50-Sn-124

MAT 5061 He-4 Production 50-Sn-124
 Cross Section -100.0 To 106.5 %

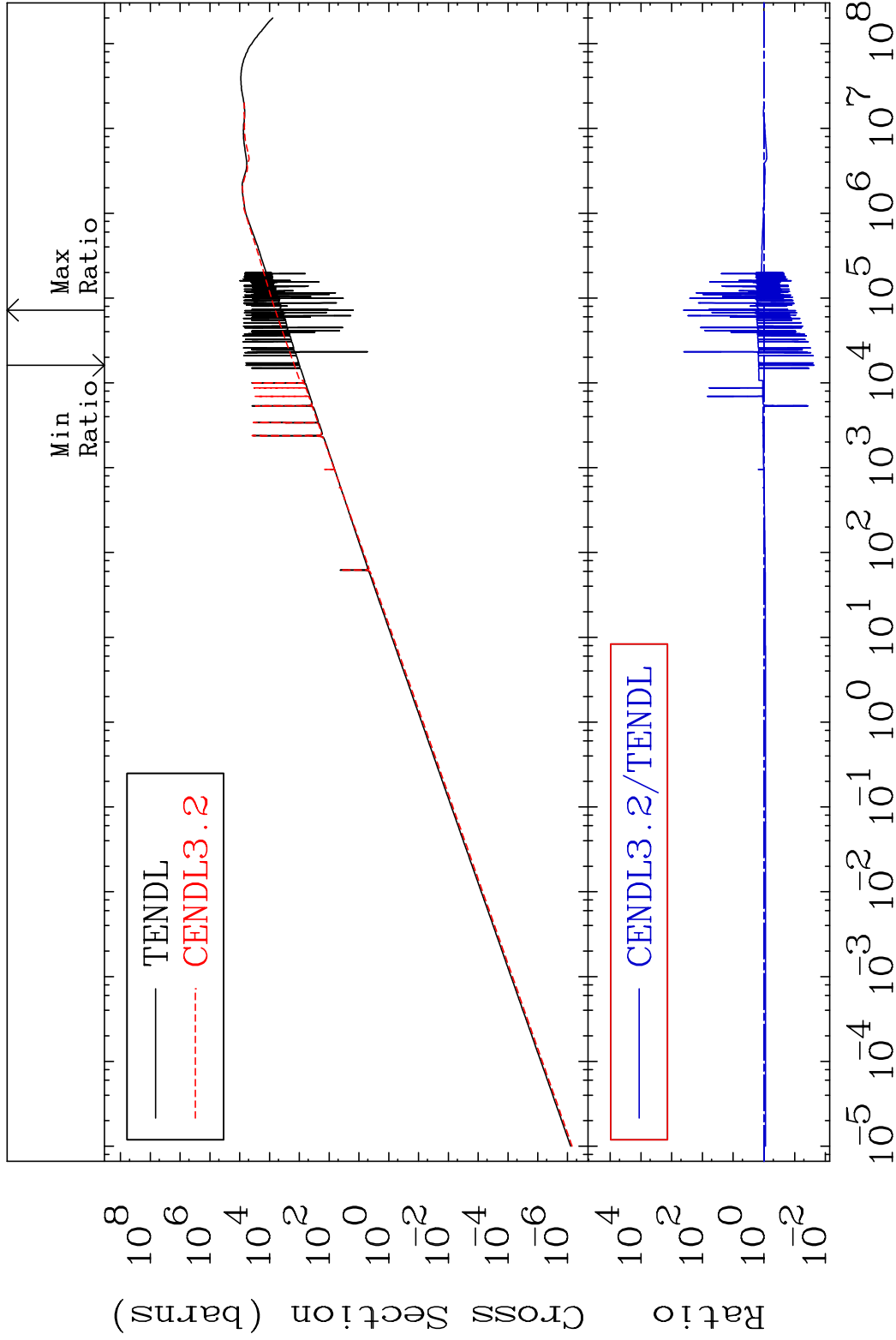


37 Incident Energy (eV) 50-Sn-124

MAT 5061 Kerma total (eV-barns) 50-Sn-124
 Cross Section -97.65 To 9999. %

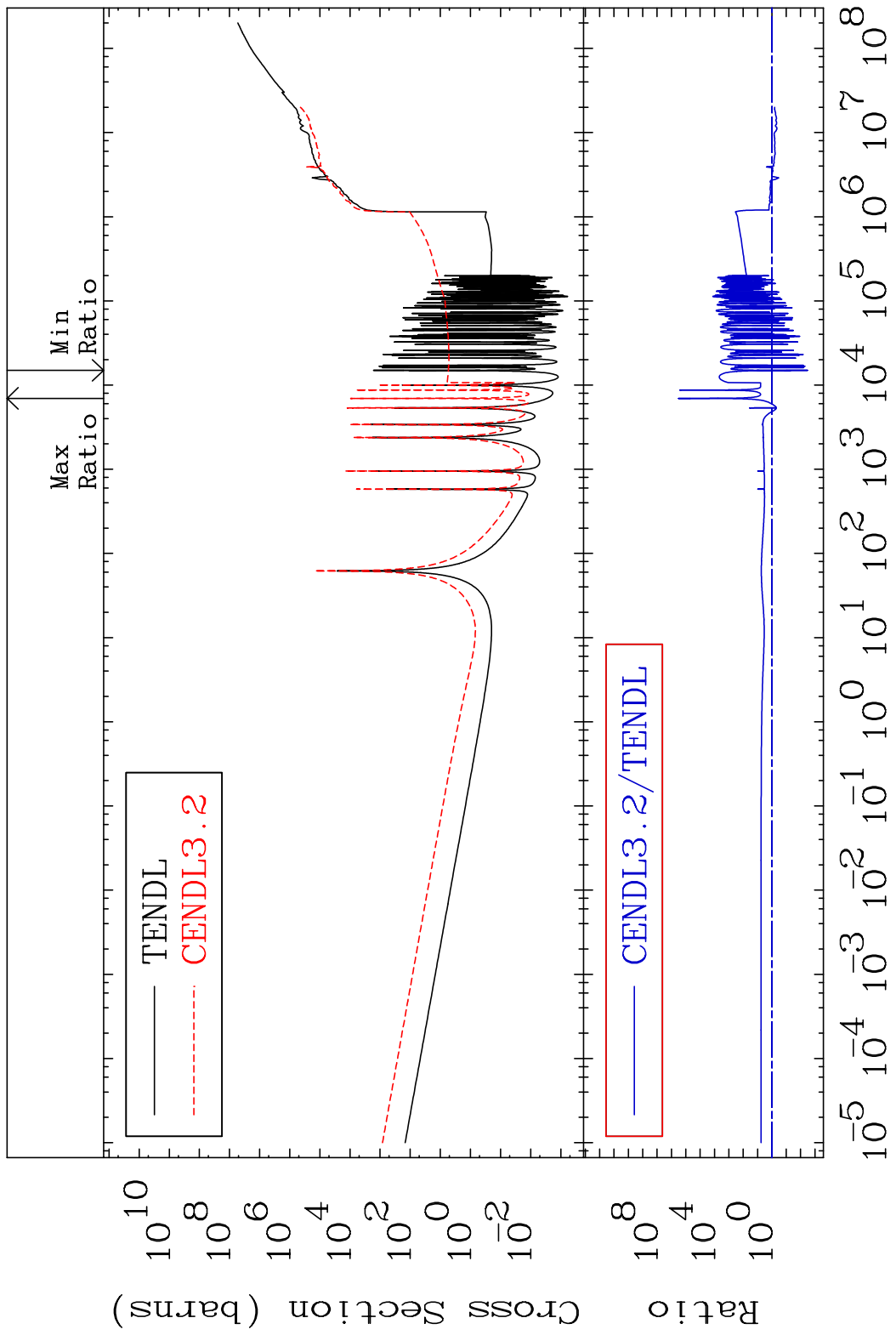


MAT 5061 Kerma elastic 50-Sn-124
 Cross Section -97.63 To 9999. %



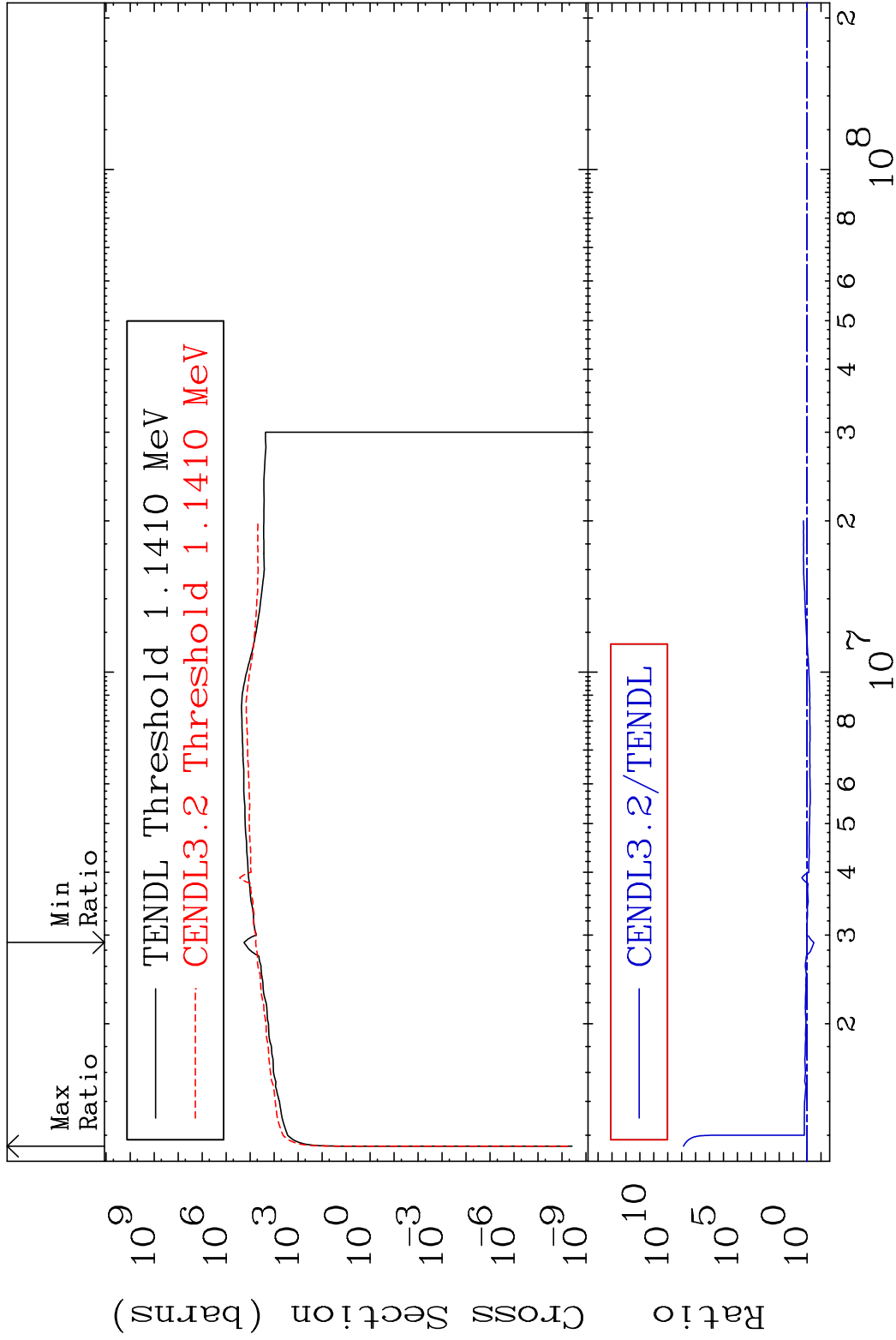
39 Incident Energy (eV) 50-Sn-124

MAT 5061 Kerma non-elastic (all but mt2) 50-Sn-124
 Cross Section -99.68 To 9999. %

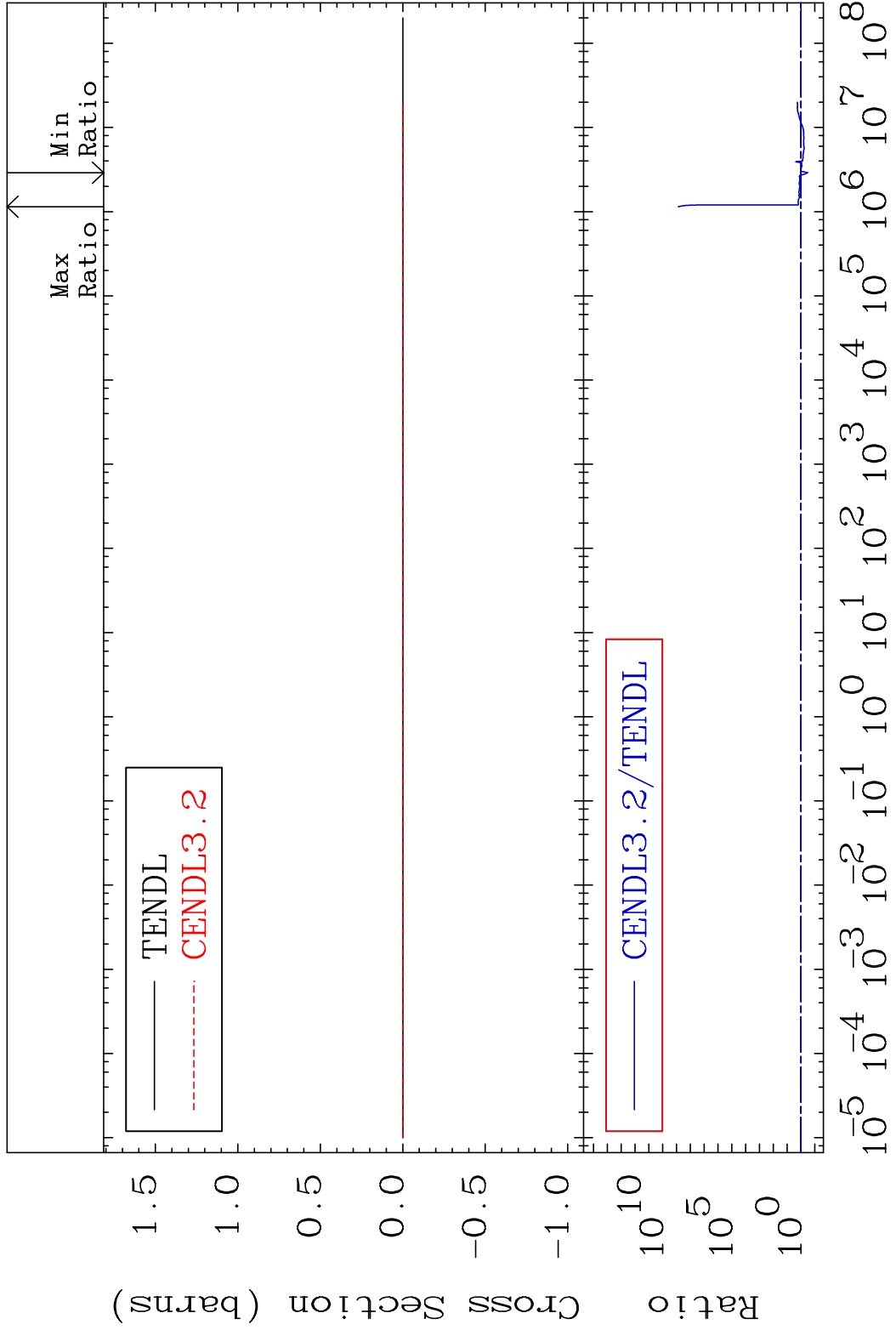


40 Incident Energy (eV) 50-Sn-124

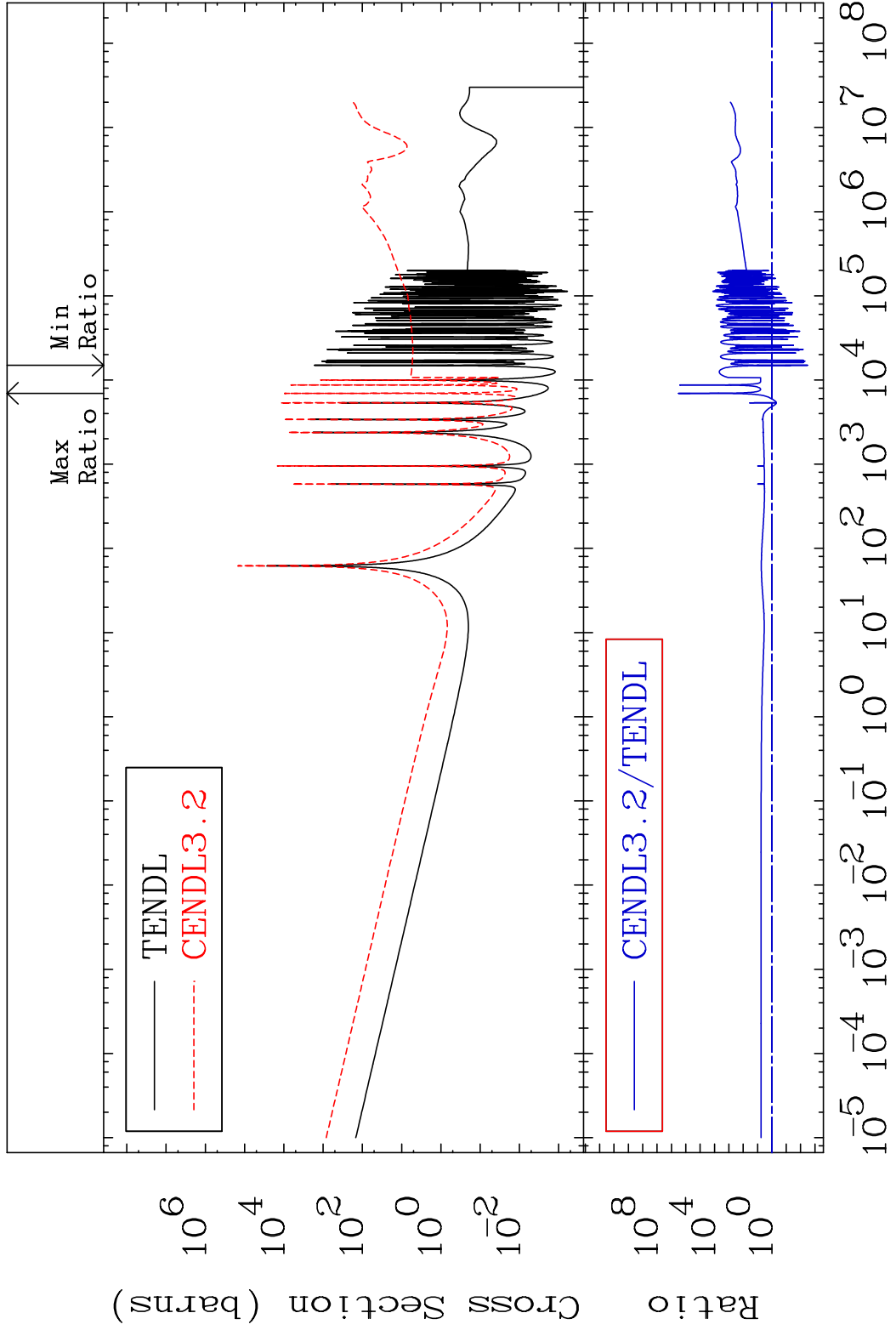
MAT 5061 Kerma inelastic (mt51-91) 50-Sn-124
 Cross Section -67.27 To 9999. %



MAT 5061 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-124
 Cross Section -67.27 To 9999. %

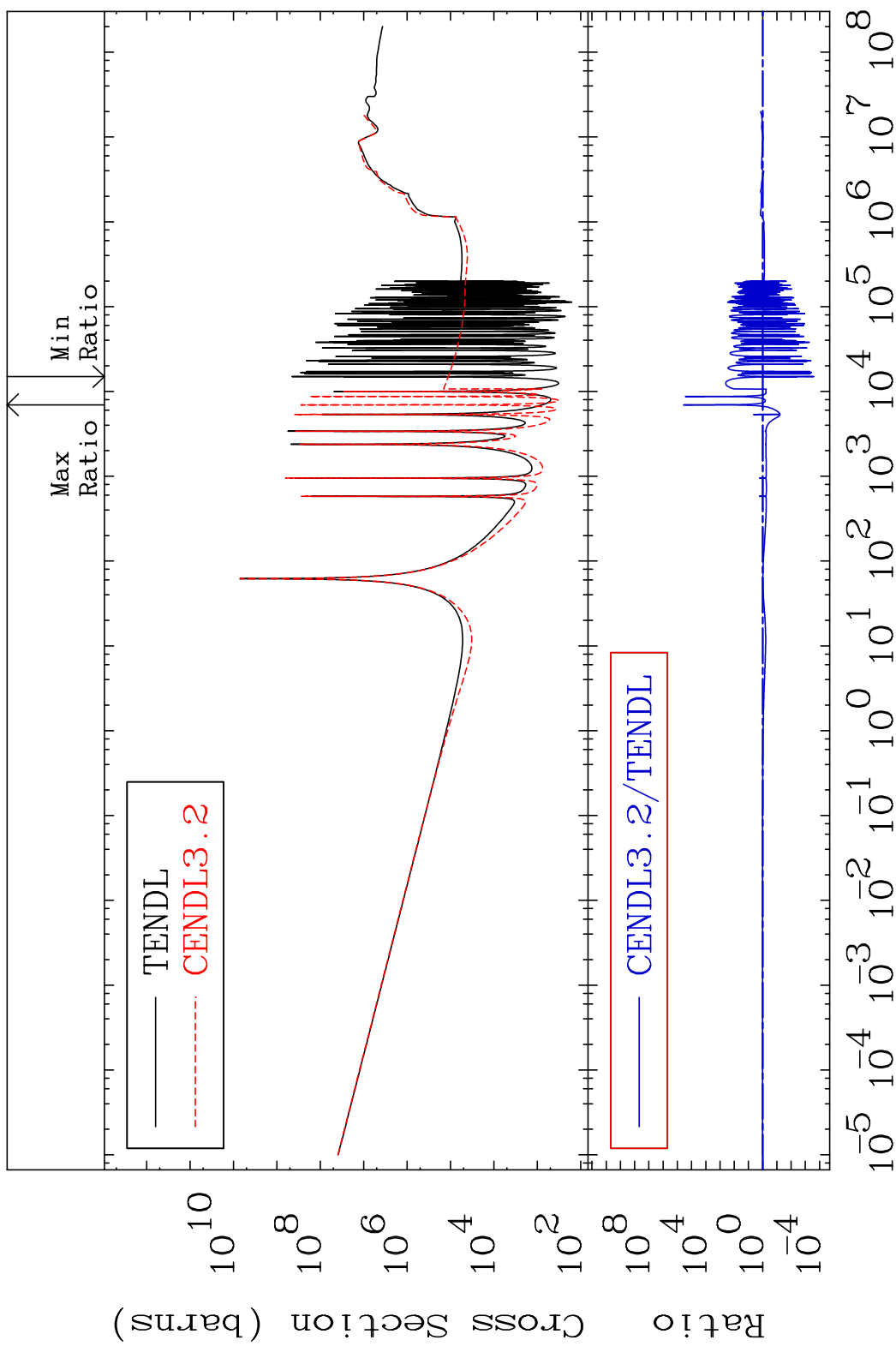


MAT 5061 Kerma capture (mt102) 50-Sn-124
 Cross Section -99.68 To 9999. %



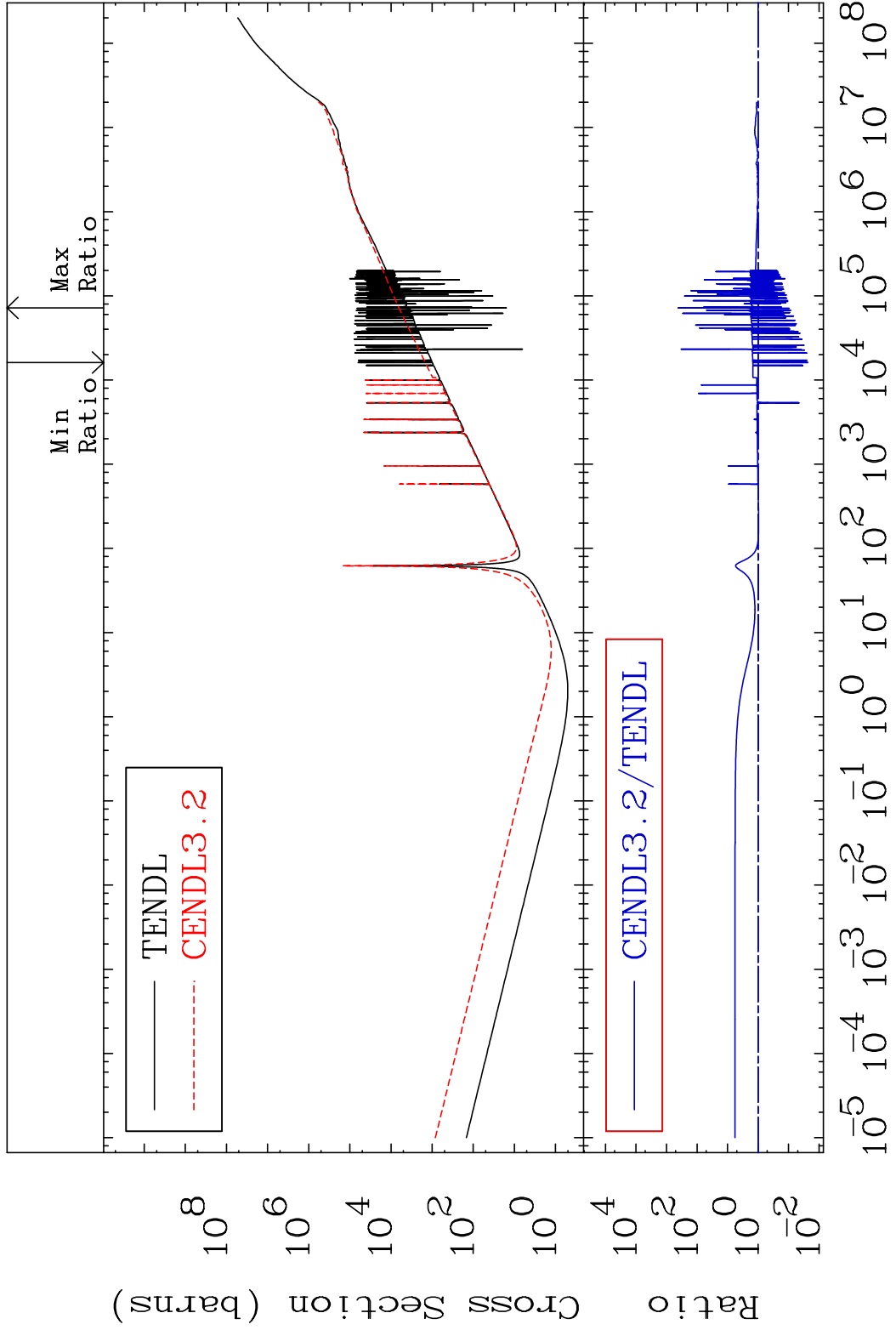
43 Incident Energy (eV) 50-Sn-124

MAT 5061 Total photon (eV-barns) 50-Sn-124
 Cross Section -99.97 To 9999. %

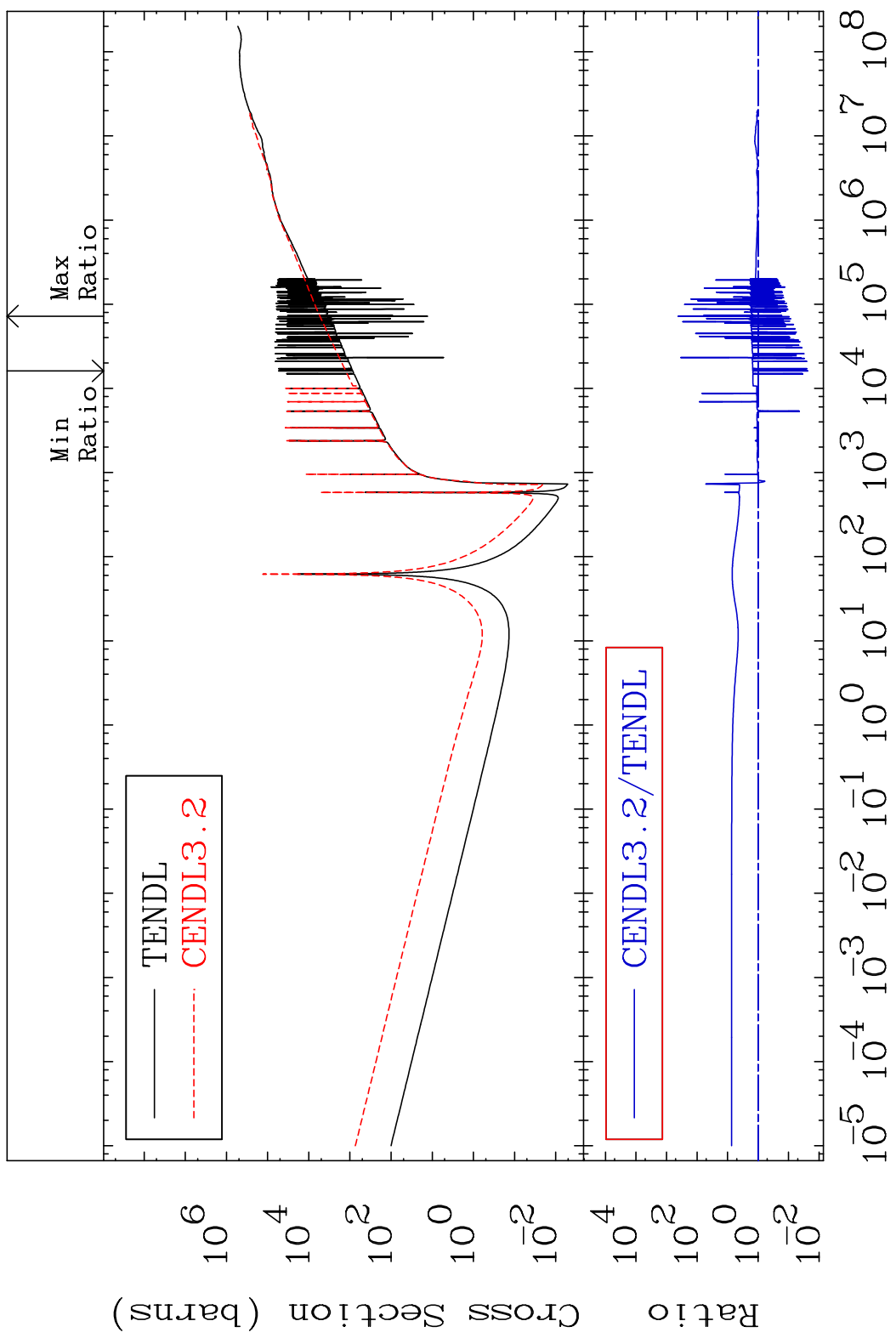


44 Incident Energy (eV) 50-Sn-124

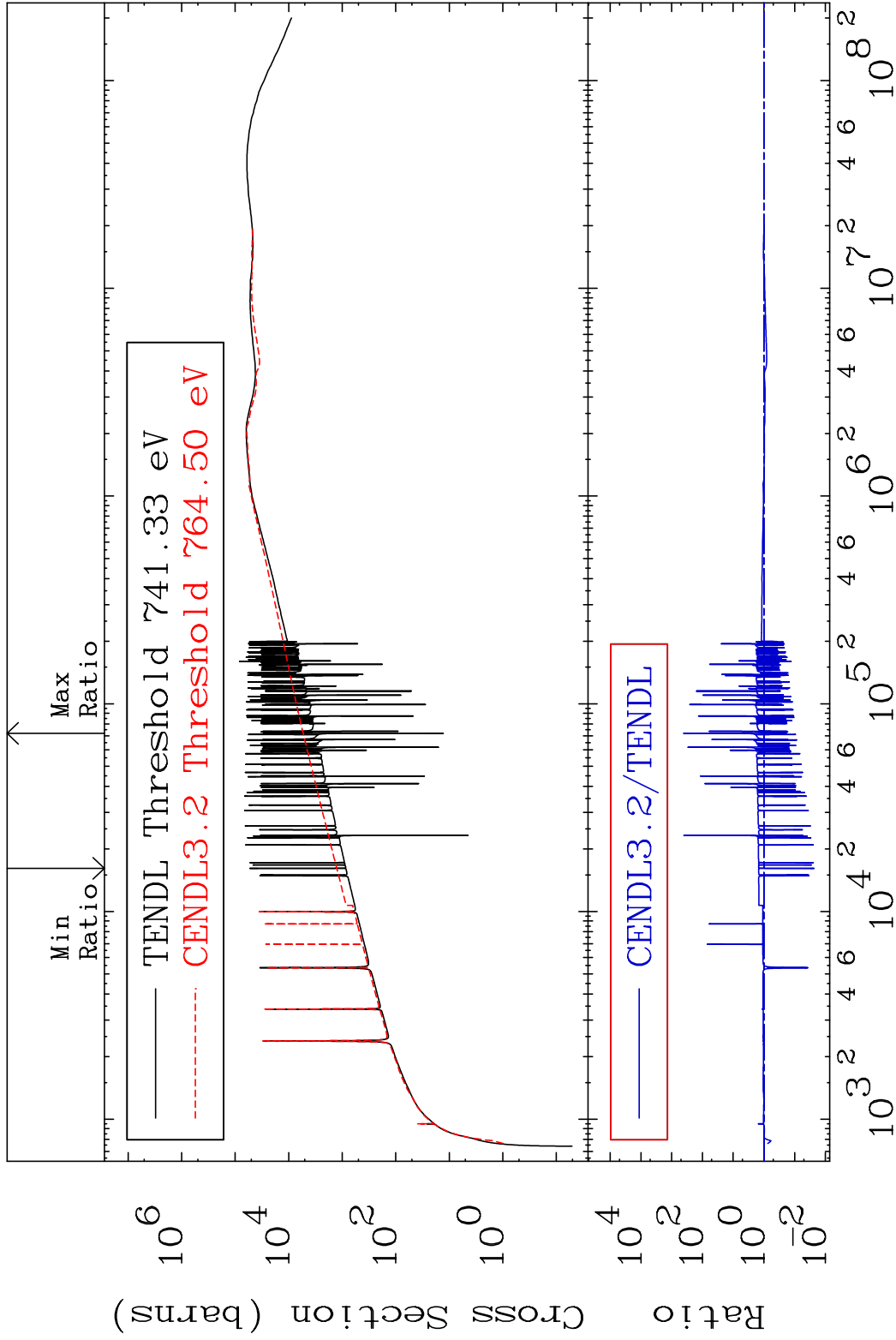
MAT 5061 Total kinematic kerma (high limit) 50-Sn-124
 Cross Section -97.65 To 9999. %



MAT 5061 Dpa total (eV-barns) 50-Sn-124
 Cross Section -97.65 To 9999. %

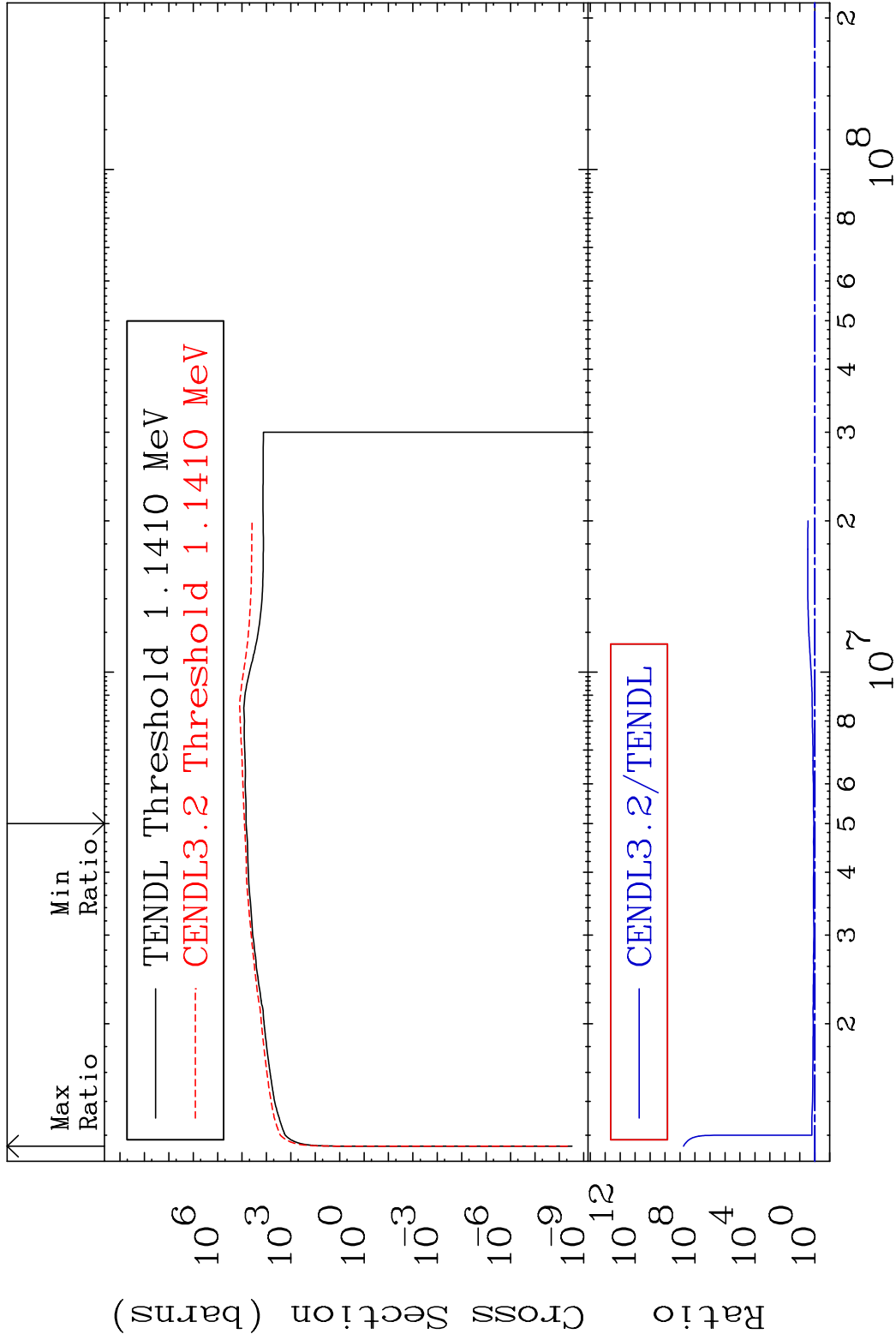


MAT 5061 Dpa elastic (mt2) 50-Sn-124
 Cross Section -97.63 To 9999. %



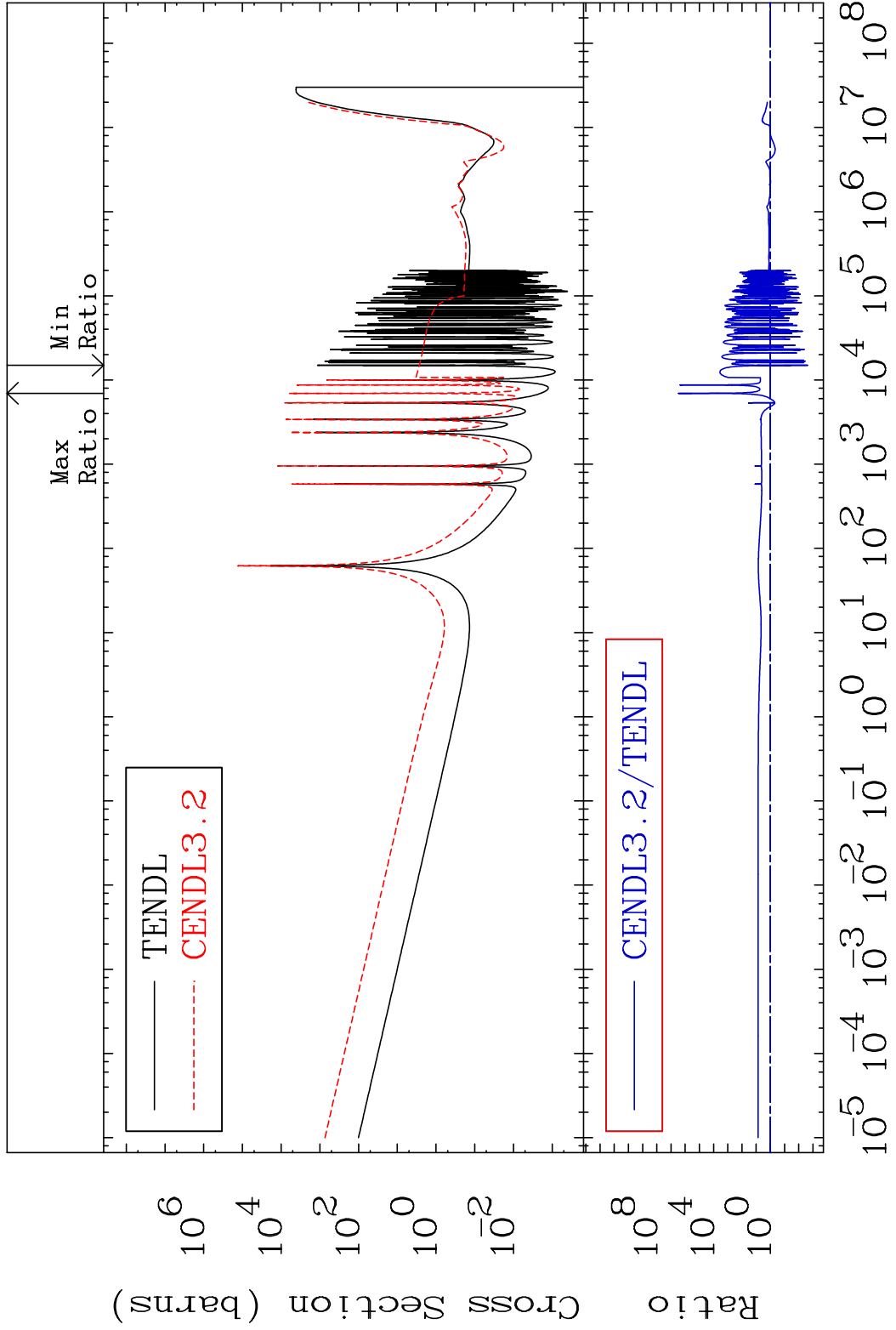
47 Incident Energy (eV) 50-Sn-124

MAT 5061 Dpa inelastic (mt51-91) 50-Sn-124
 Cross Section 15.34 To 9999. %



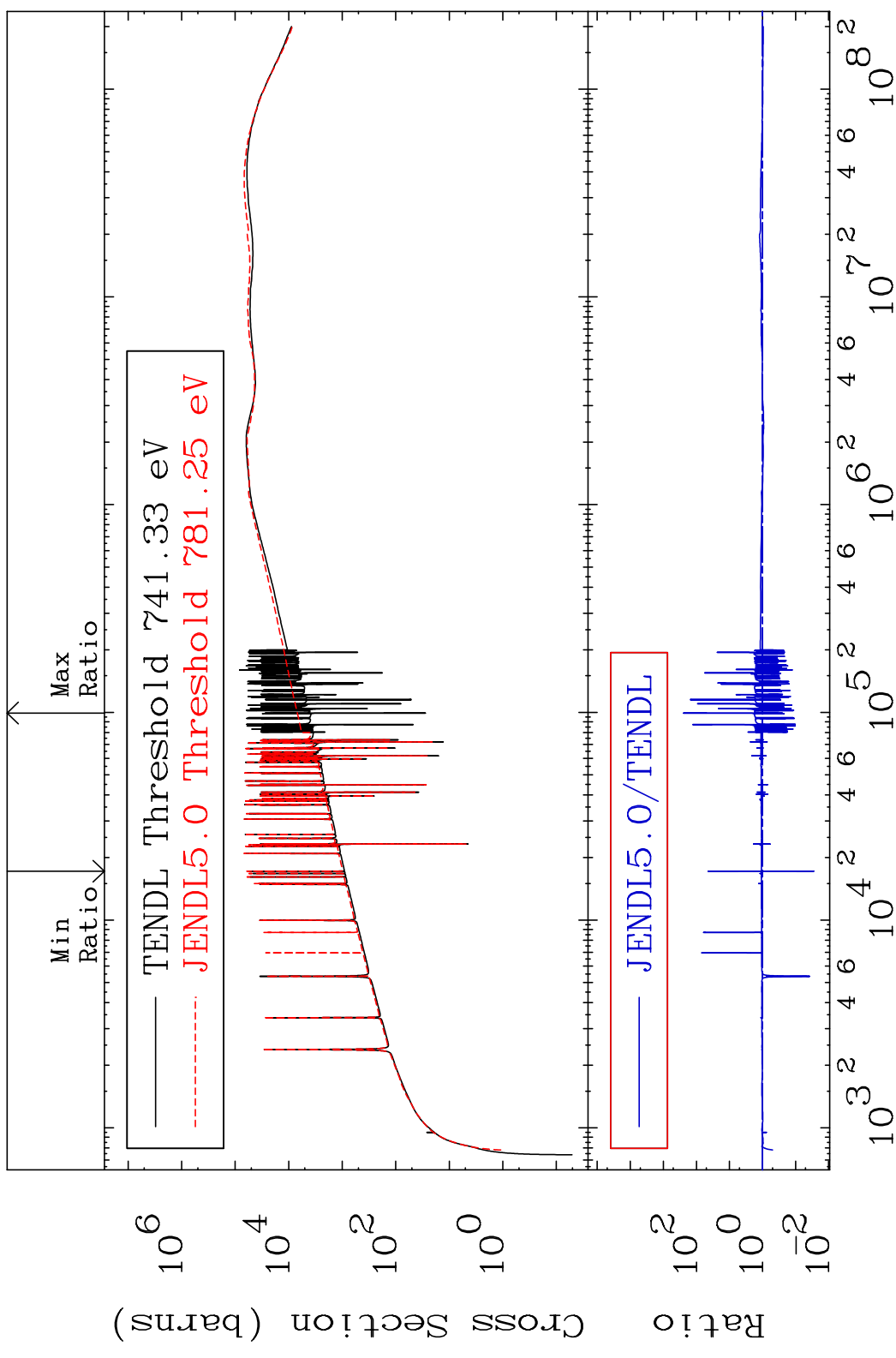
48 Incident Energy (eV) 50-Sn-124

MAT 5061 Dpa disappearance (mt102 -120) 50-Sn-124
 Cross Section -99.77 To 9999. %



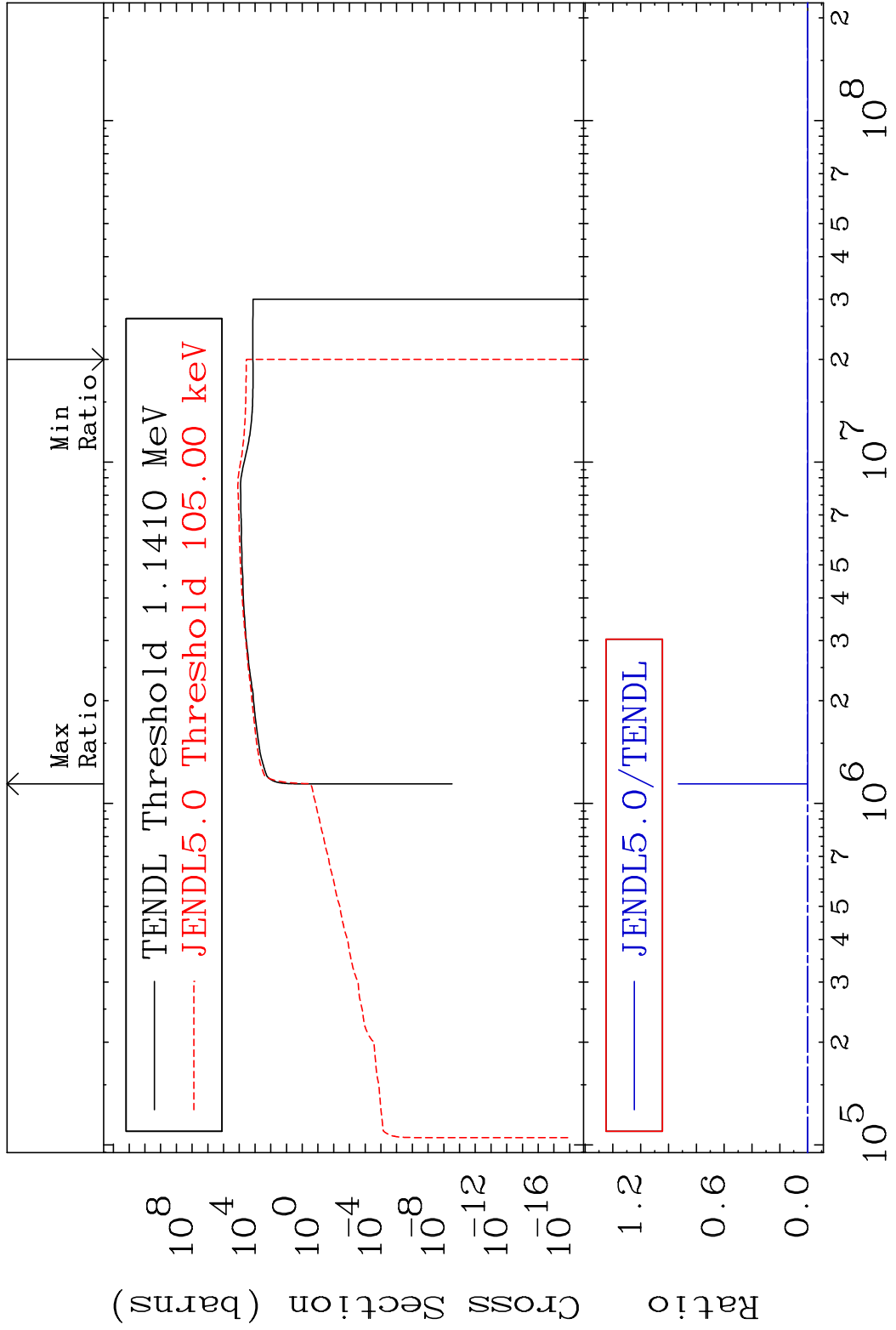
49 Incident Energy (eV) 50-Sn-124

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



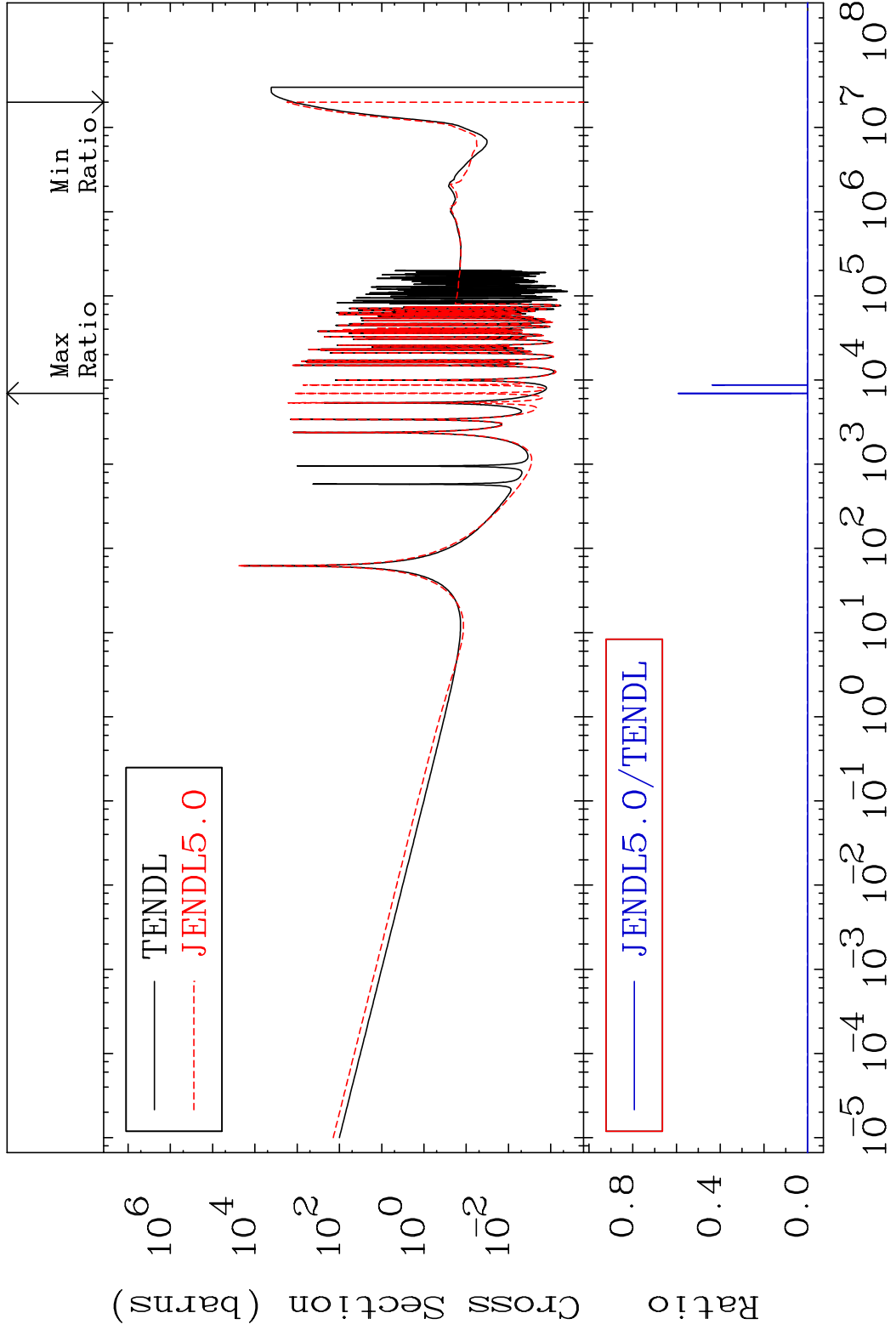
50 Incident Energy (eV) 50-Sn-124

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



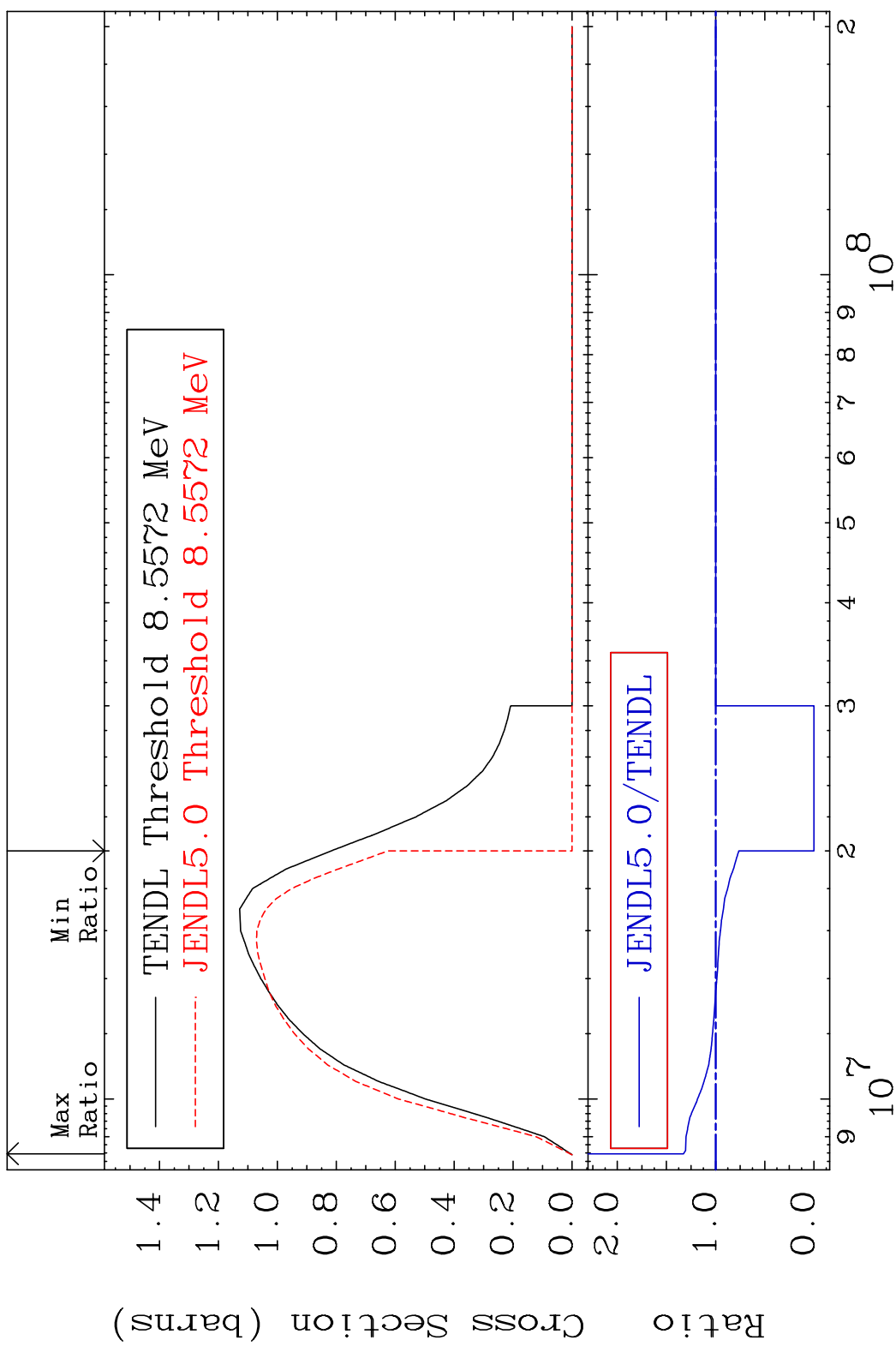
51 Incident Energy (eV) 50-Sn-124

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



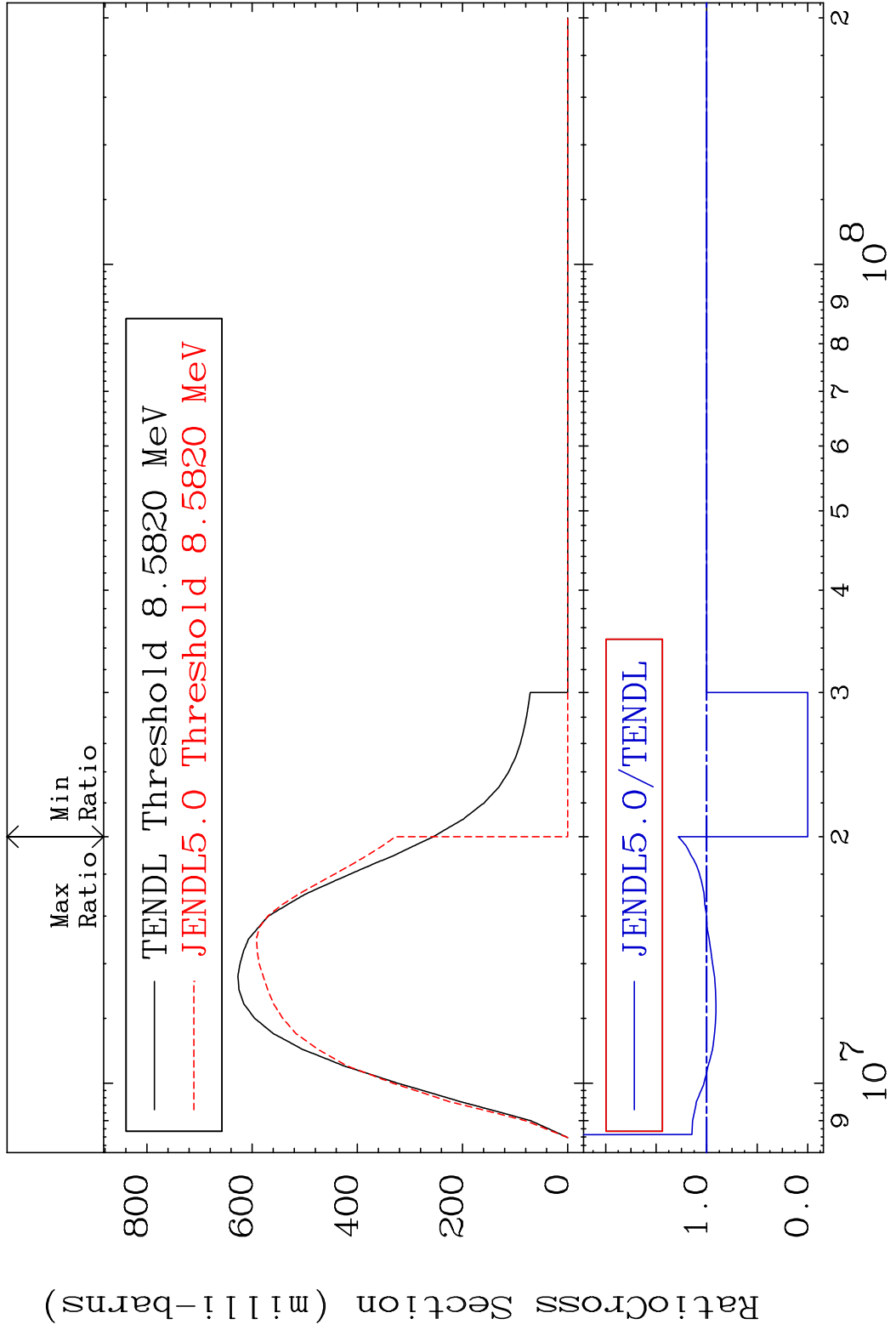
52 Incident Energy (eV) 50-Sn-124

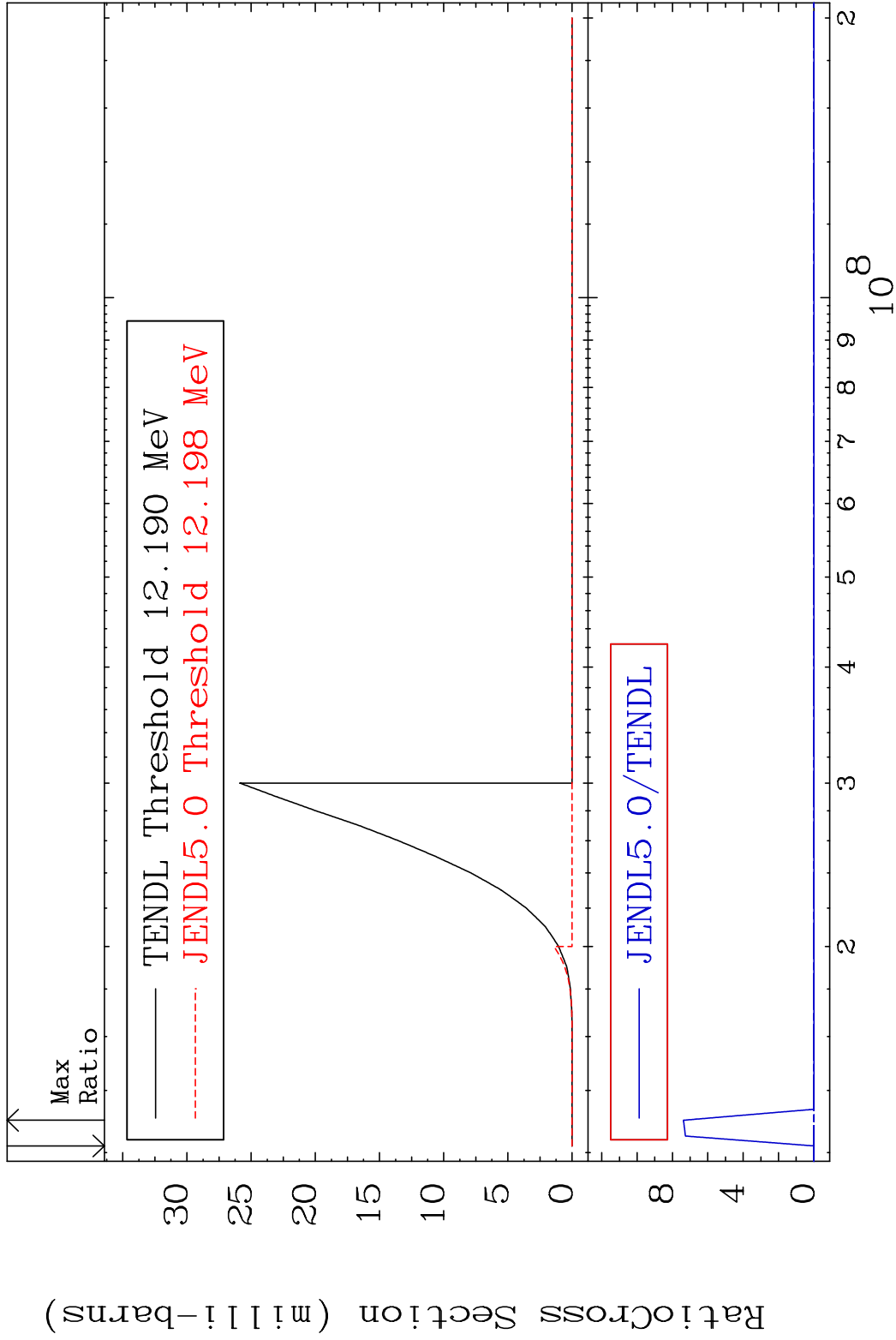
MAT 5061 (n,2n):50-Sn-123g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 32.71 %

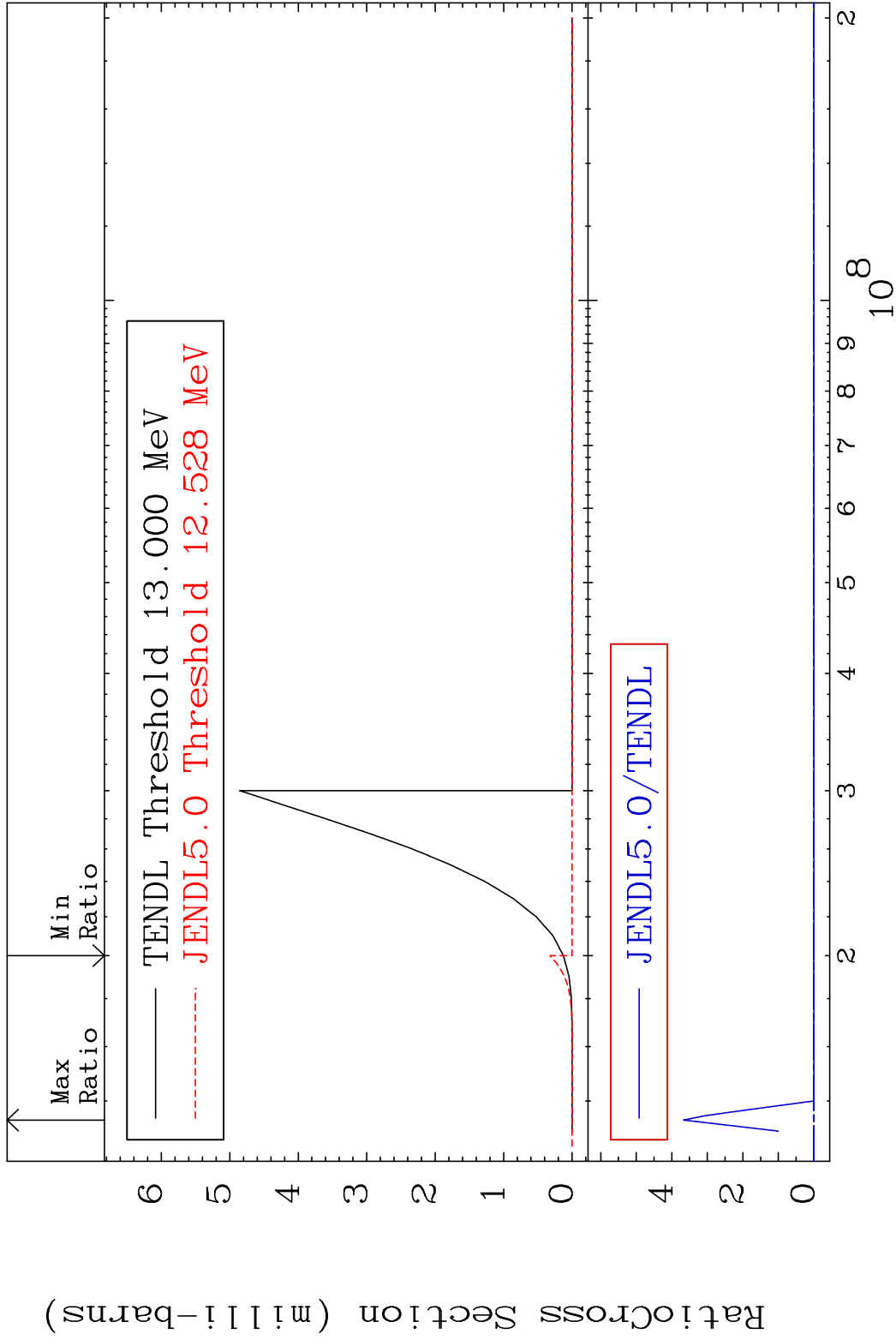


53 Incident Energy (eV) 50-Sn-124

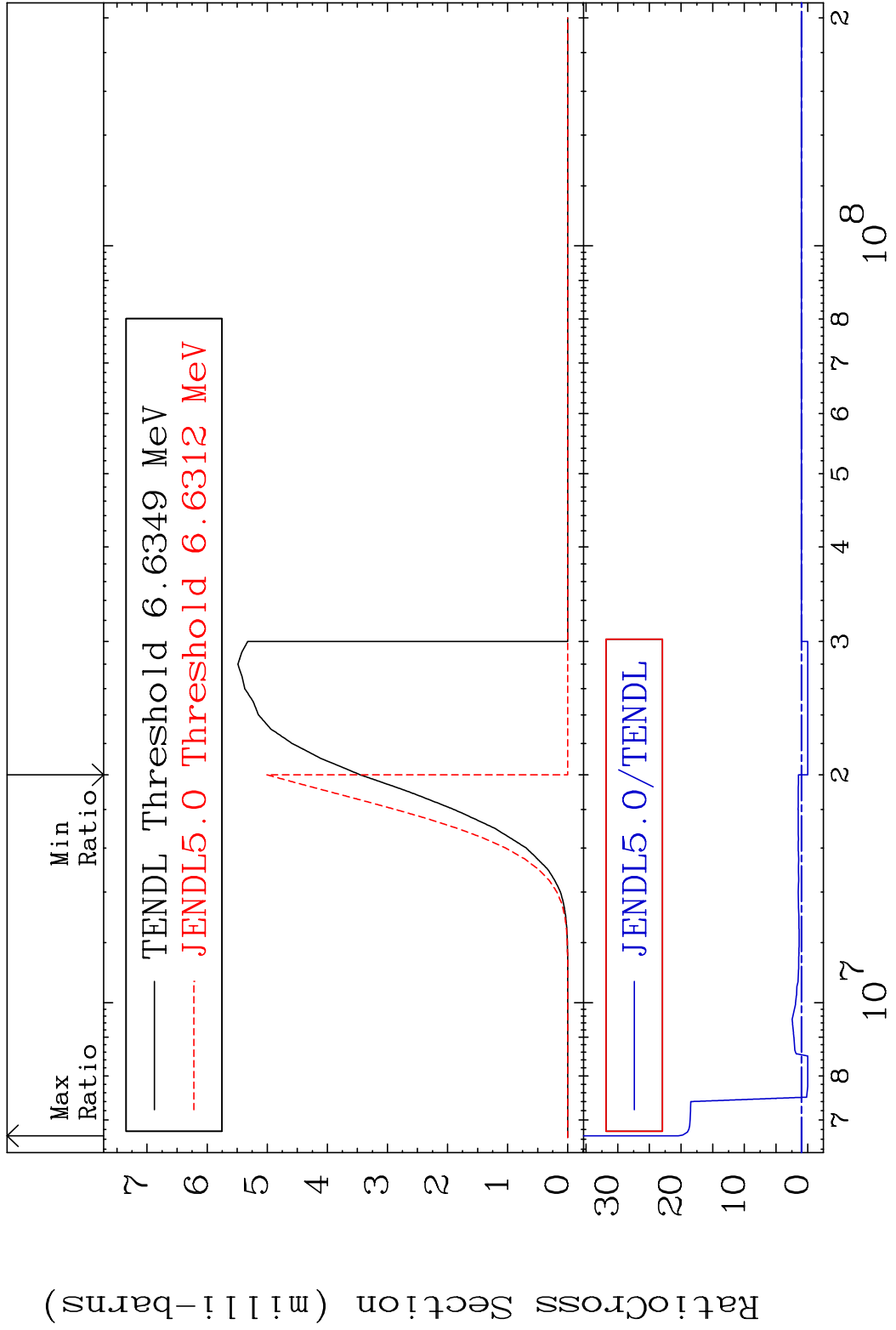
MAT 5061 (n, 2n):50-Sn-123m1 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 28.15 %





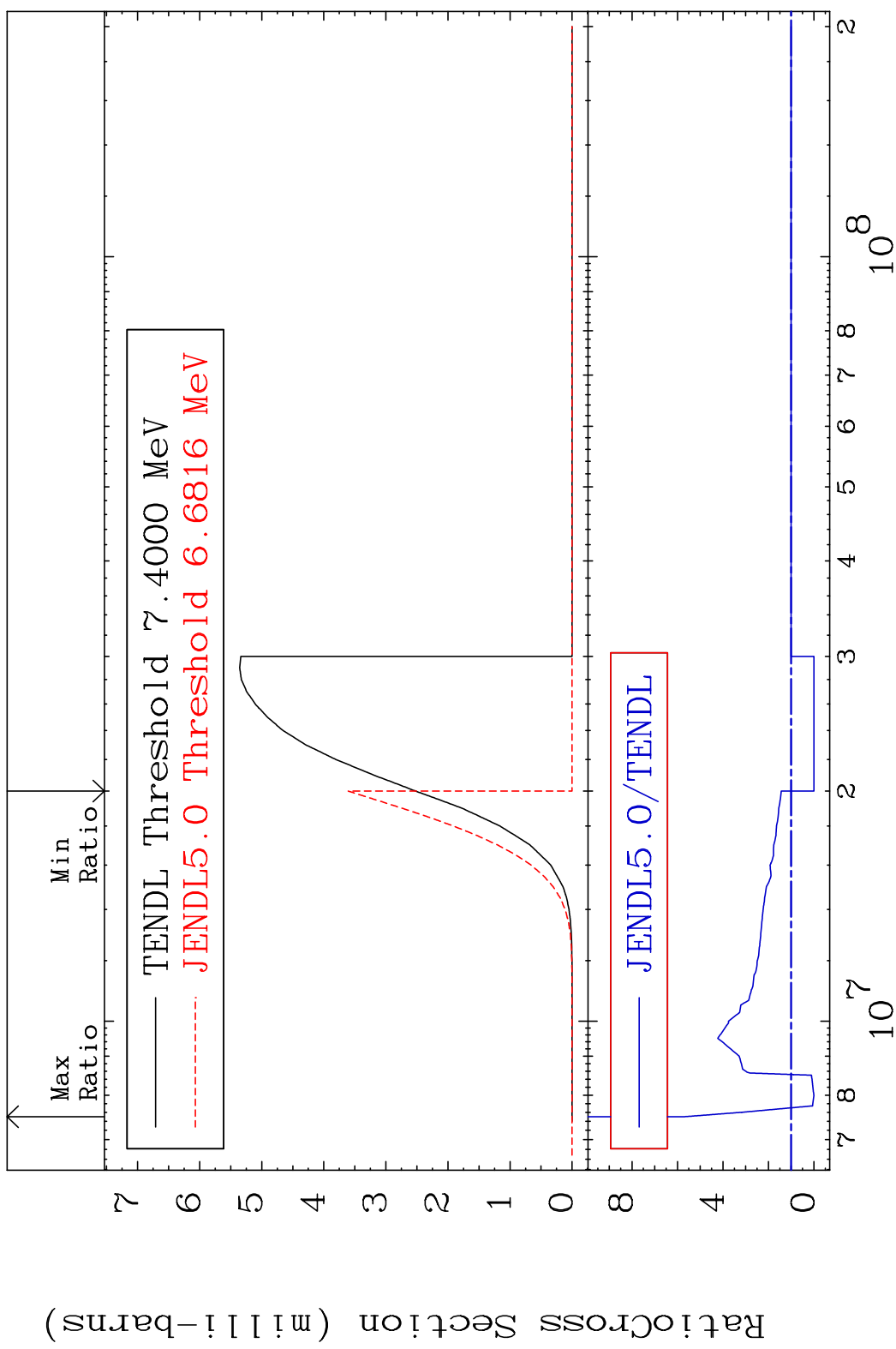


MAT 5061 (n,p):49-In-124g 50-Sn-124
 Radionuclide Production Cross Section 1944. %



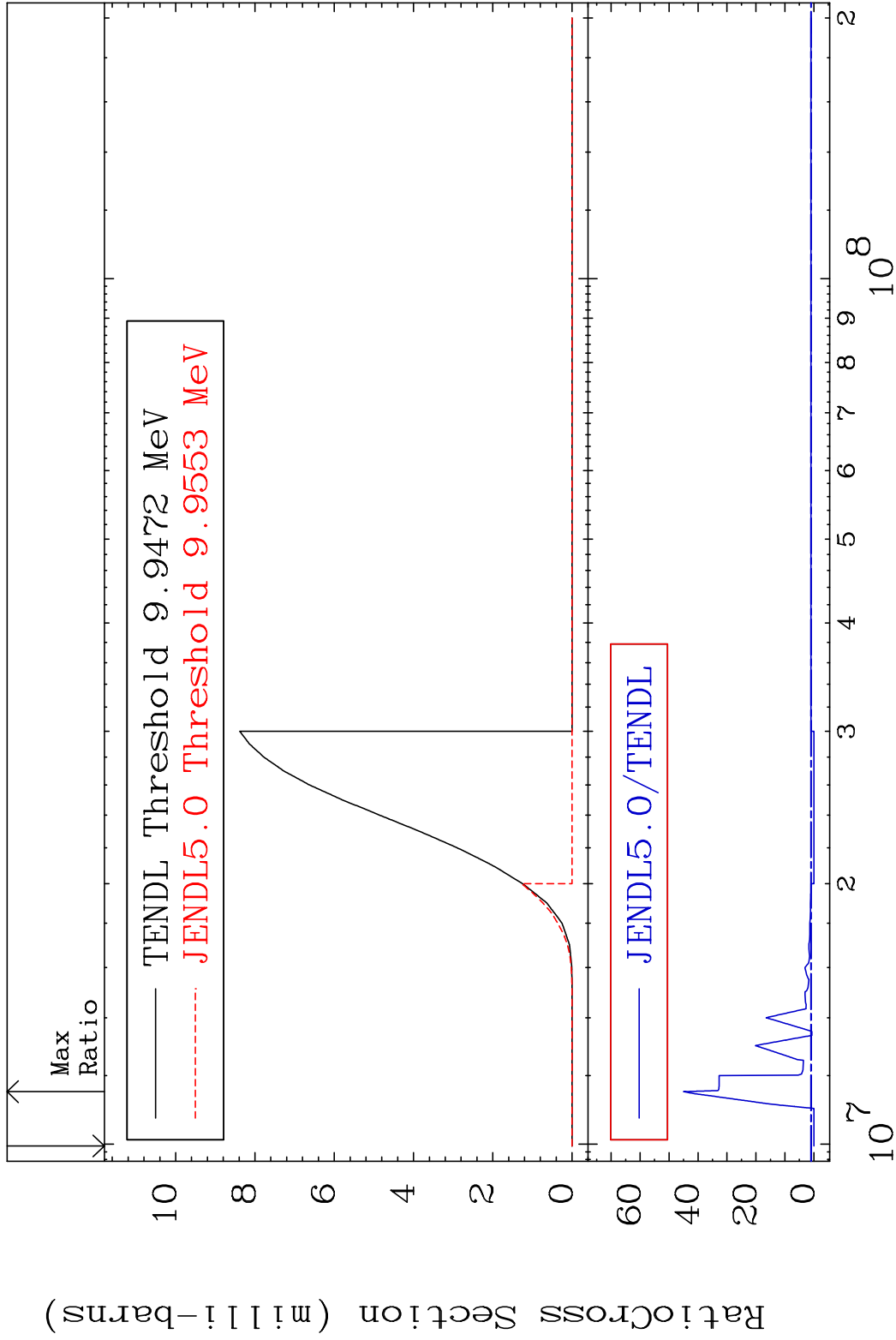
57 50-Sn-124

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



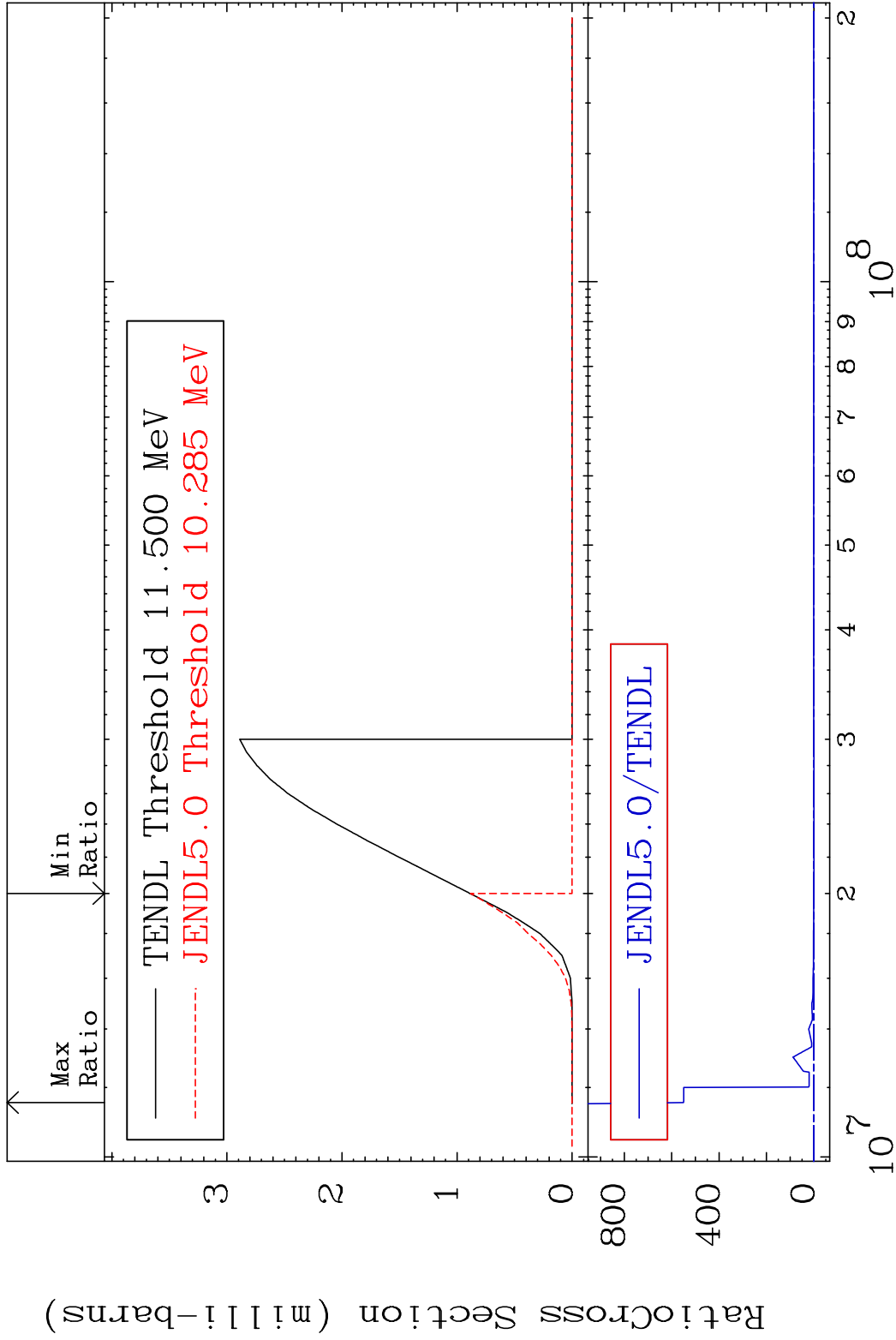
58 50-Sn-124

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

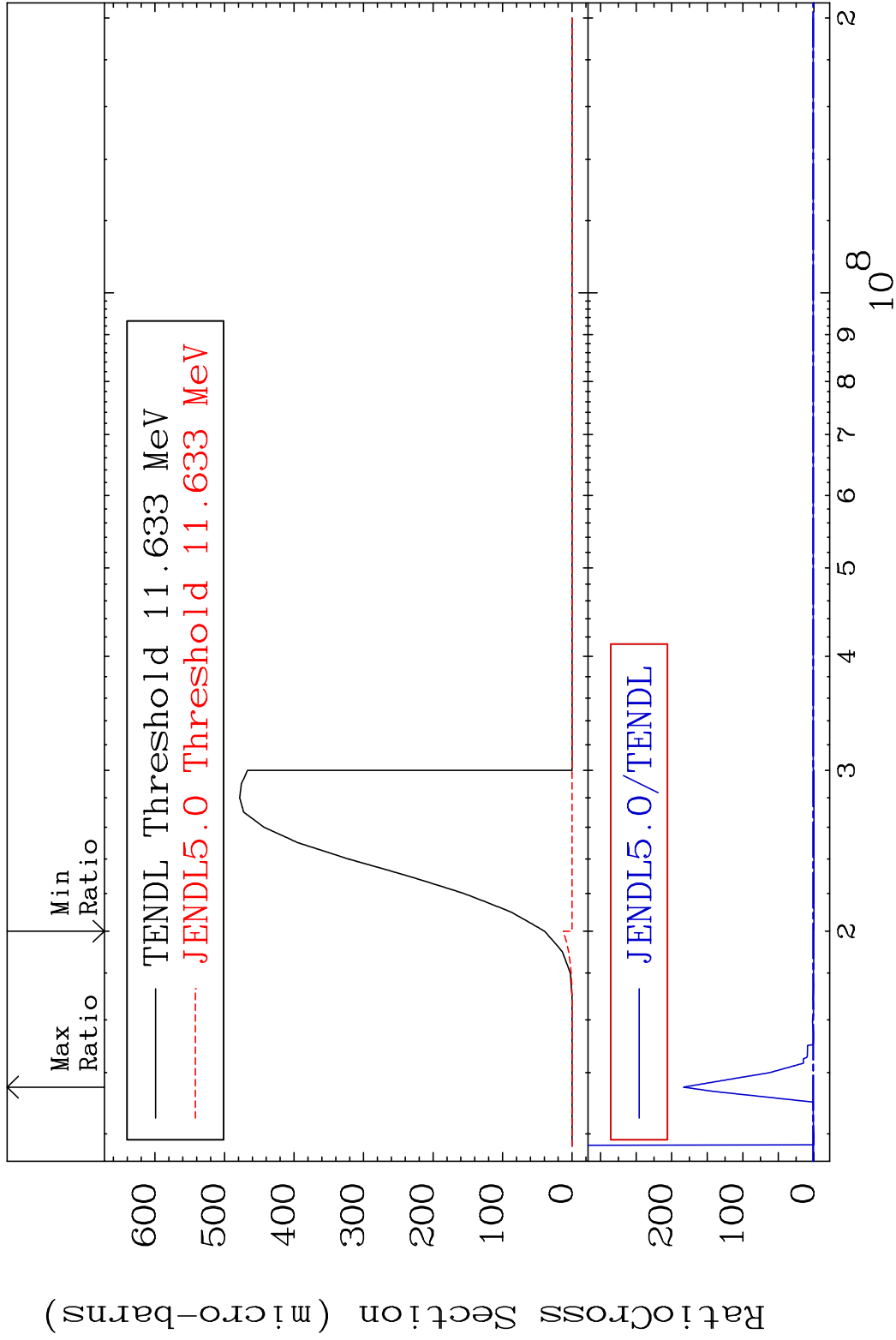


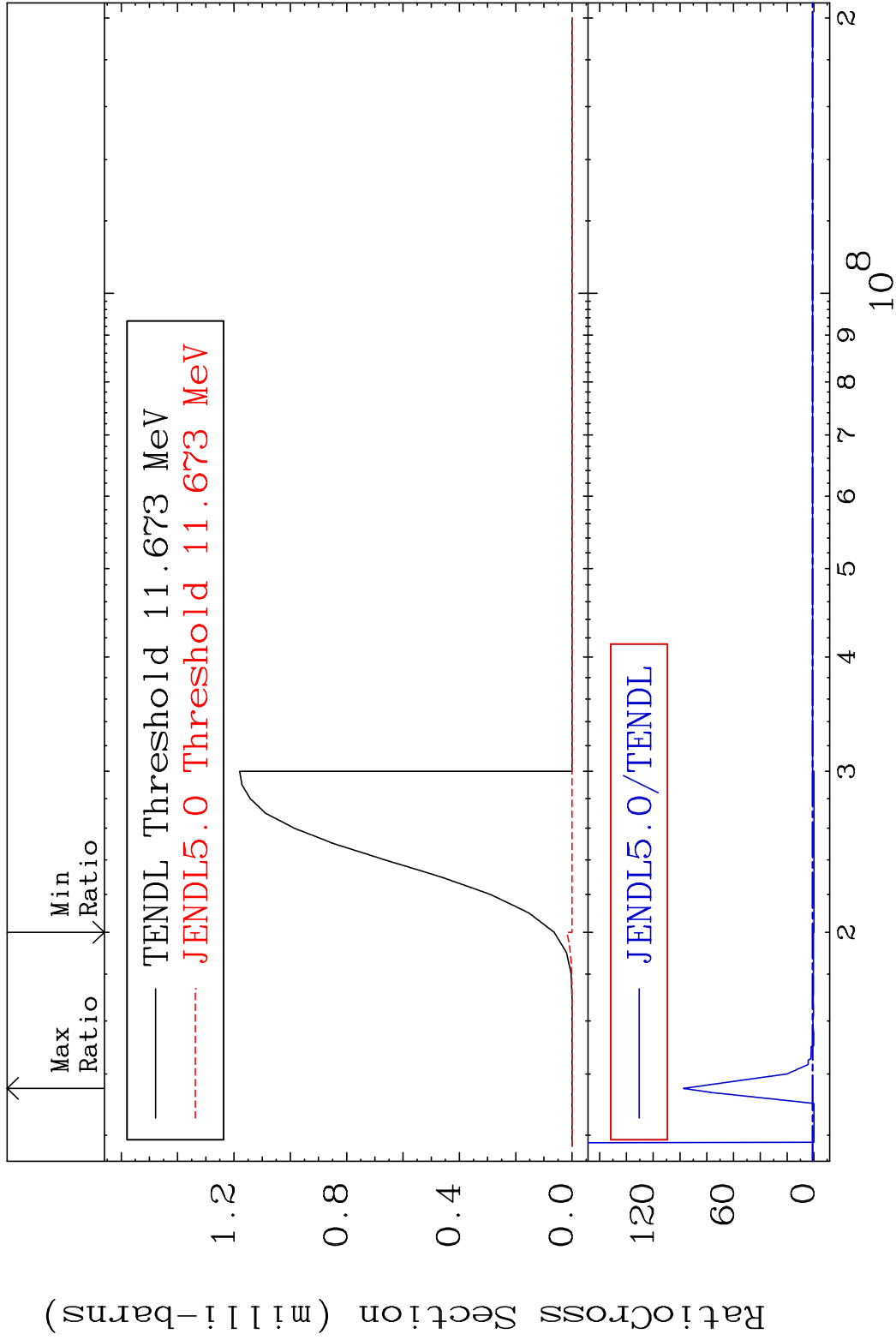
59 Incident Energy (eV) 50-Sn-124

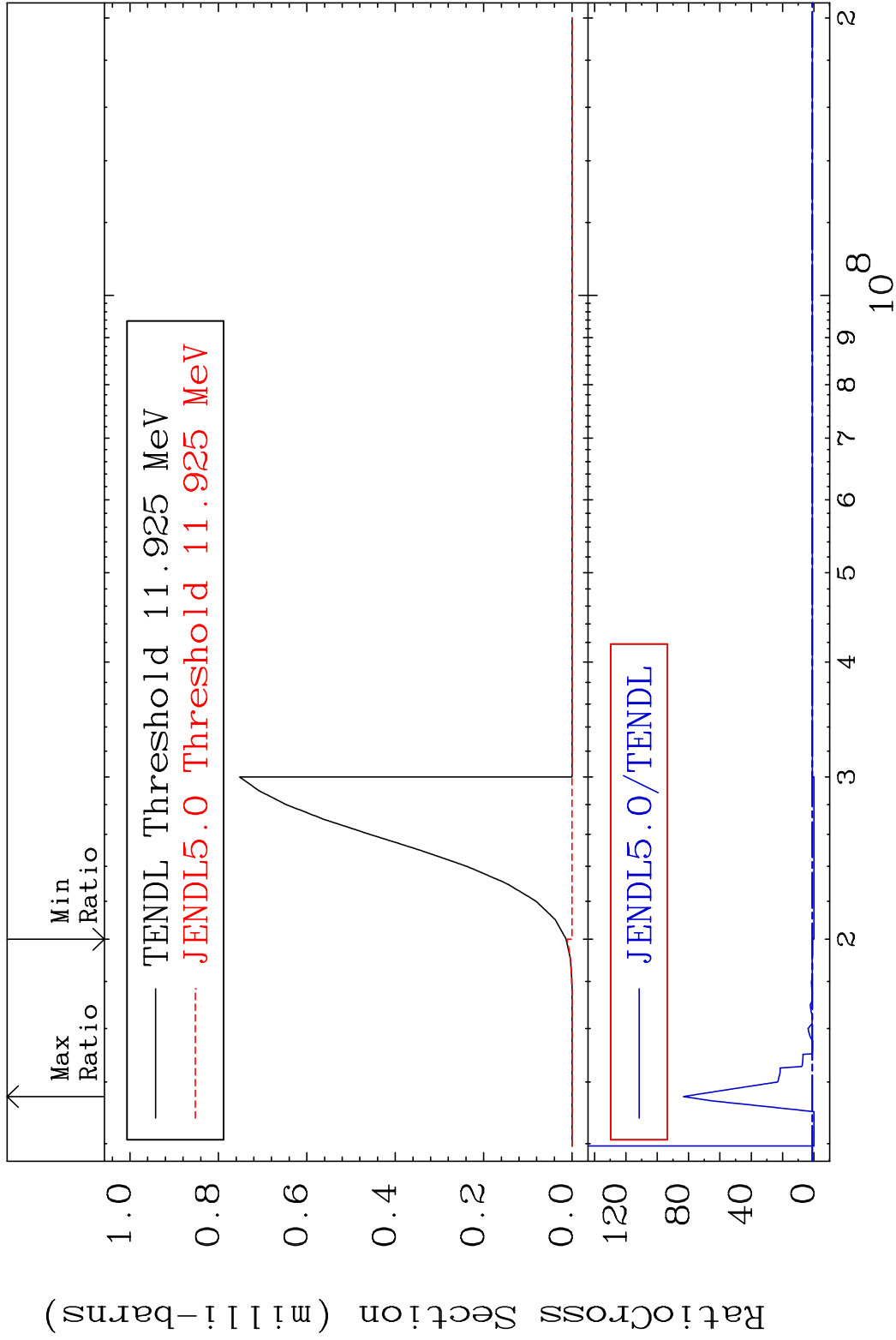
MAT 5061 (n, d):49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section



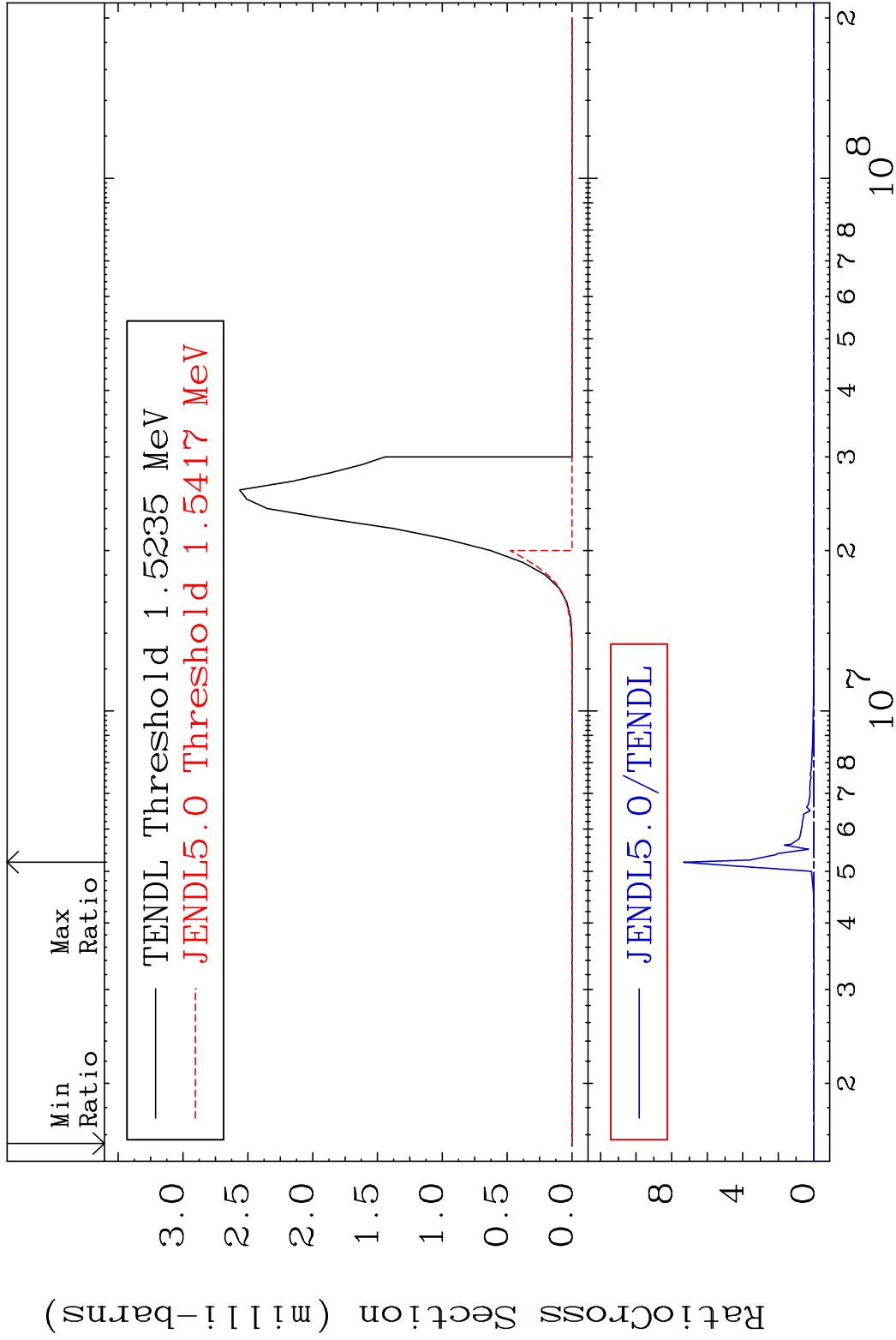
60 Incident Energy (eV) 50-Sn-124



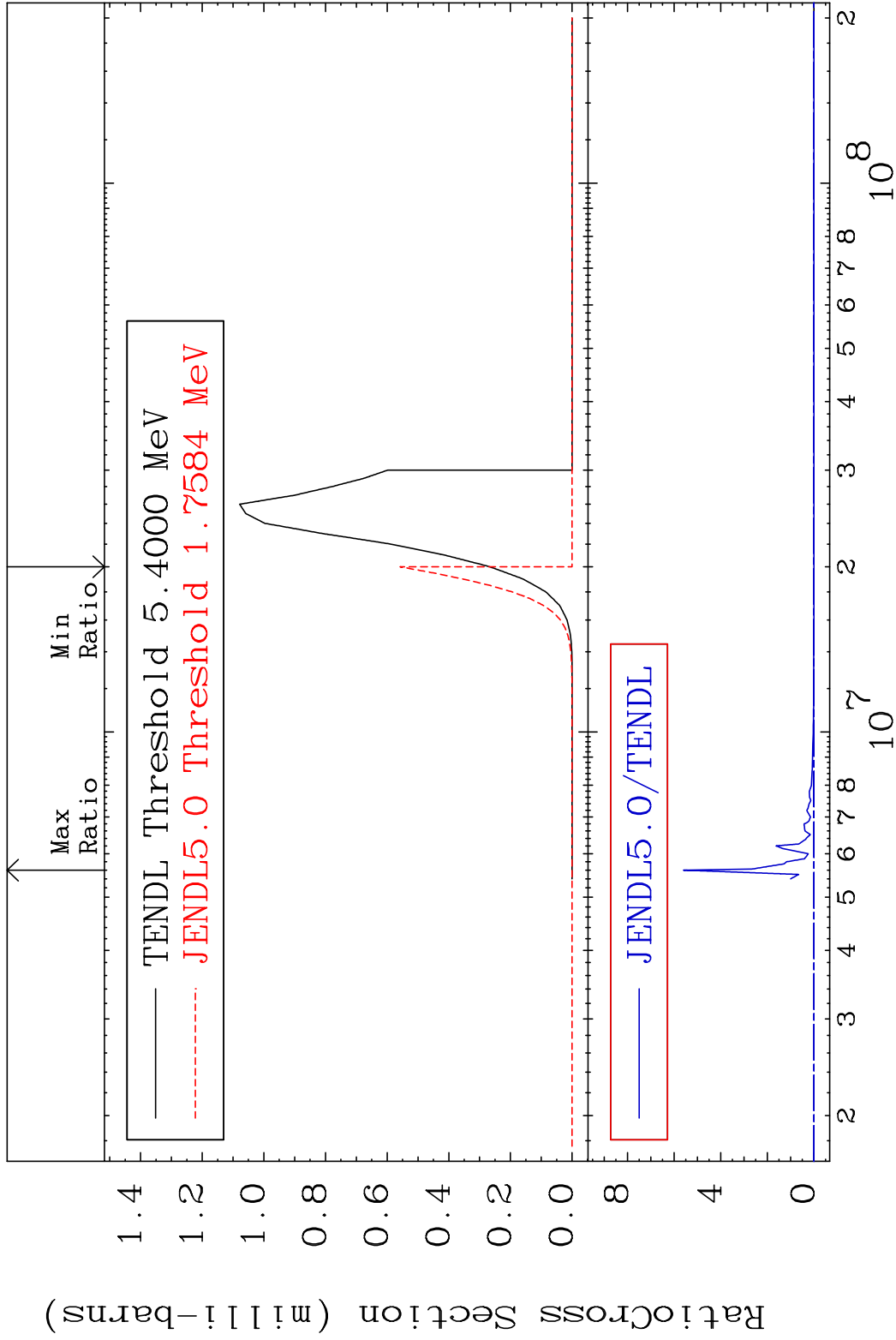




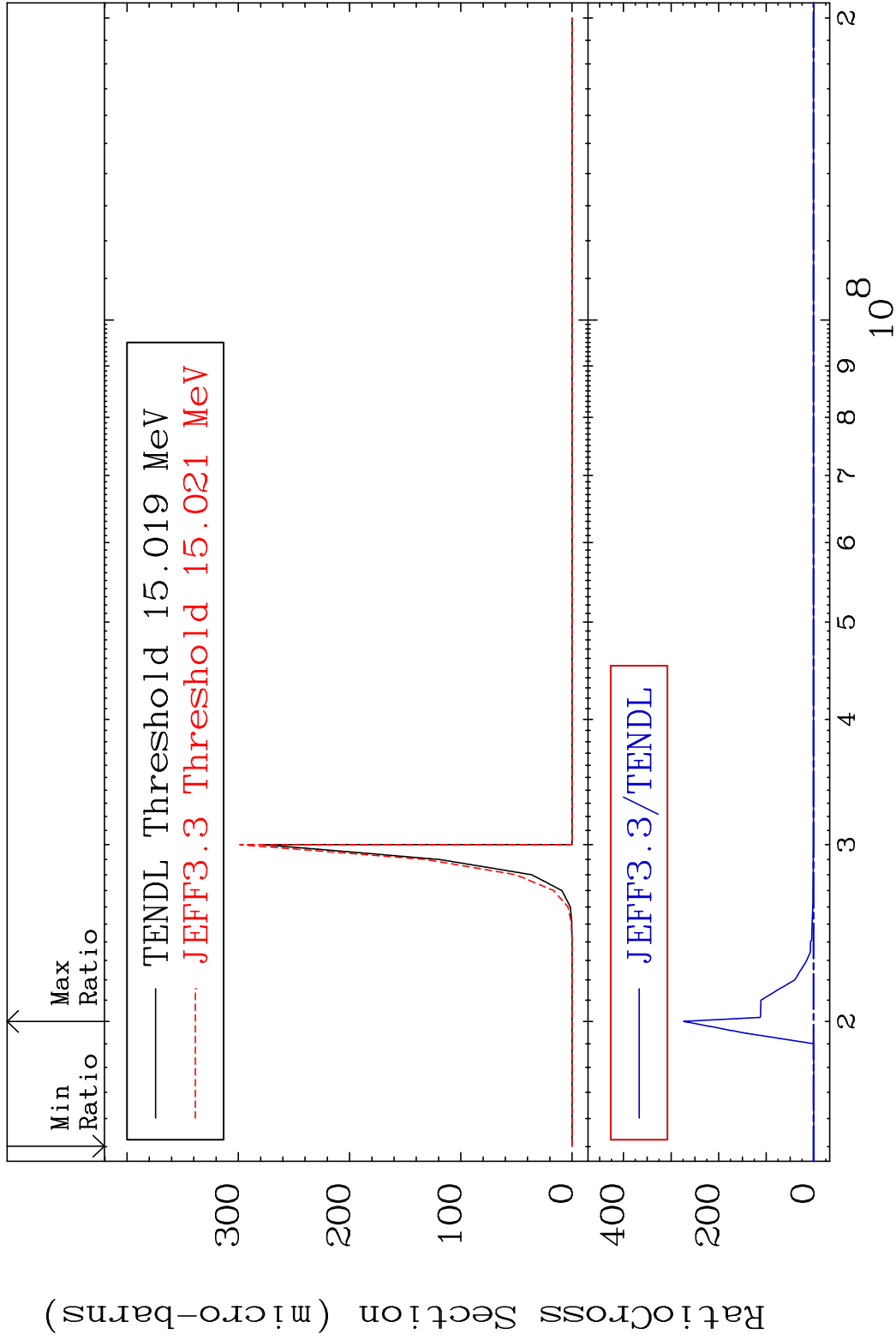
MAT 5061 (n, α): 48-Cd-121g 50-Sn-124
 Radionuclide Production Cross Section to 9999. %



64 Incident Energy (eV) 50-Sn-124

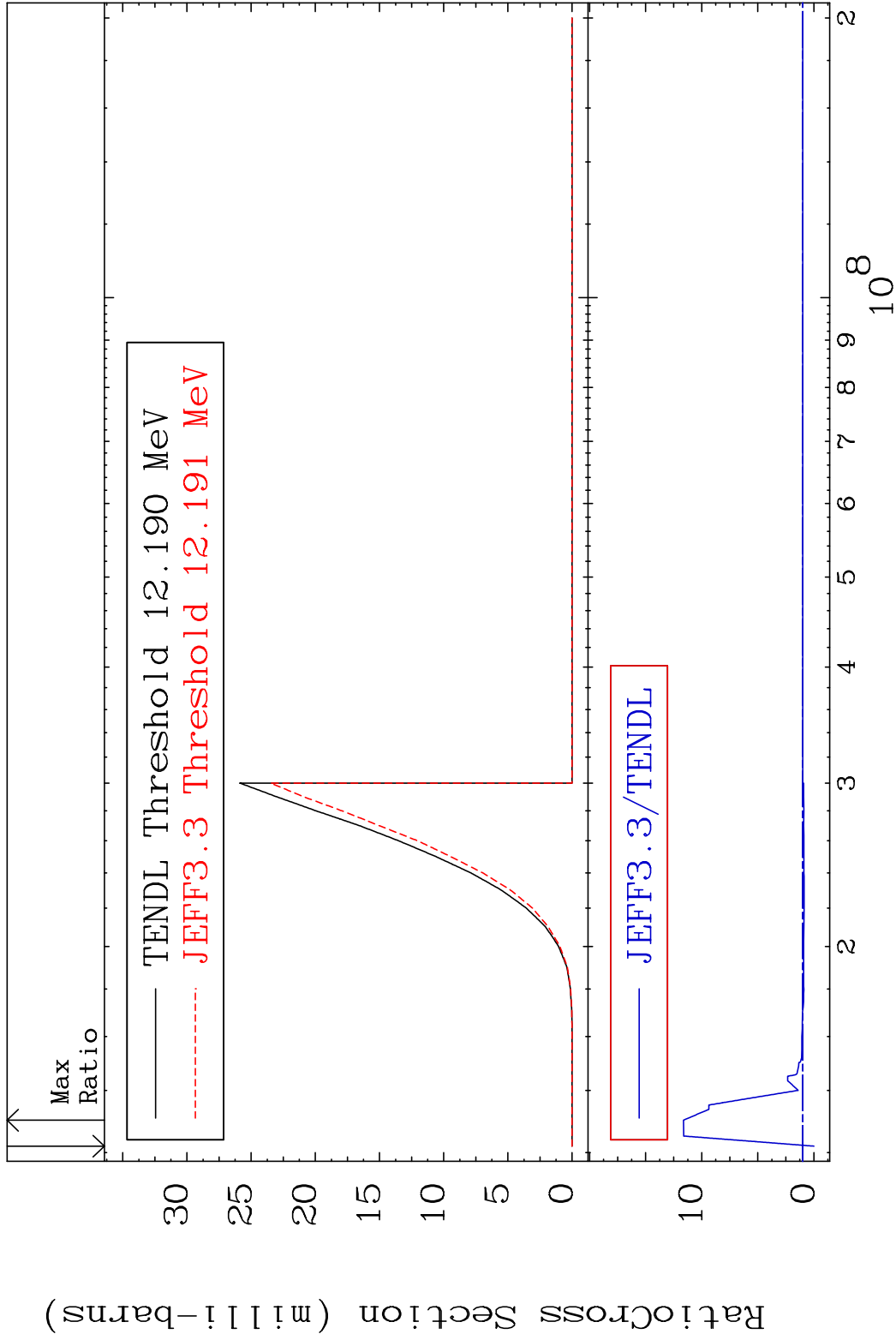


MAT 5061 (n,2n) α :48-Cd-119m2 50-Sn-124
 Radionuclide Production Cross Section 10000 to 9999. %



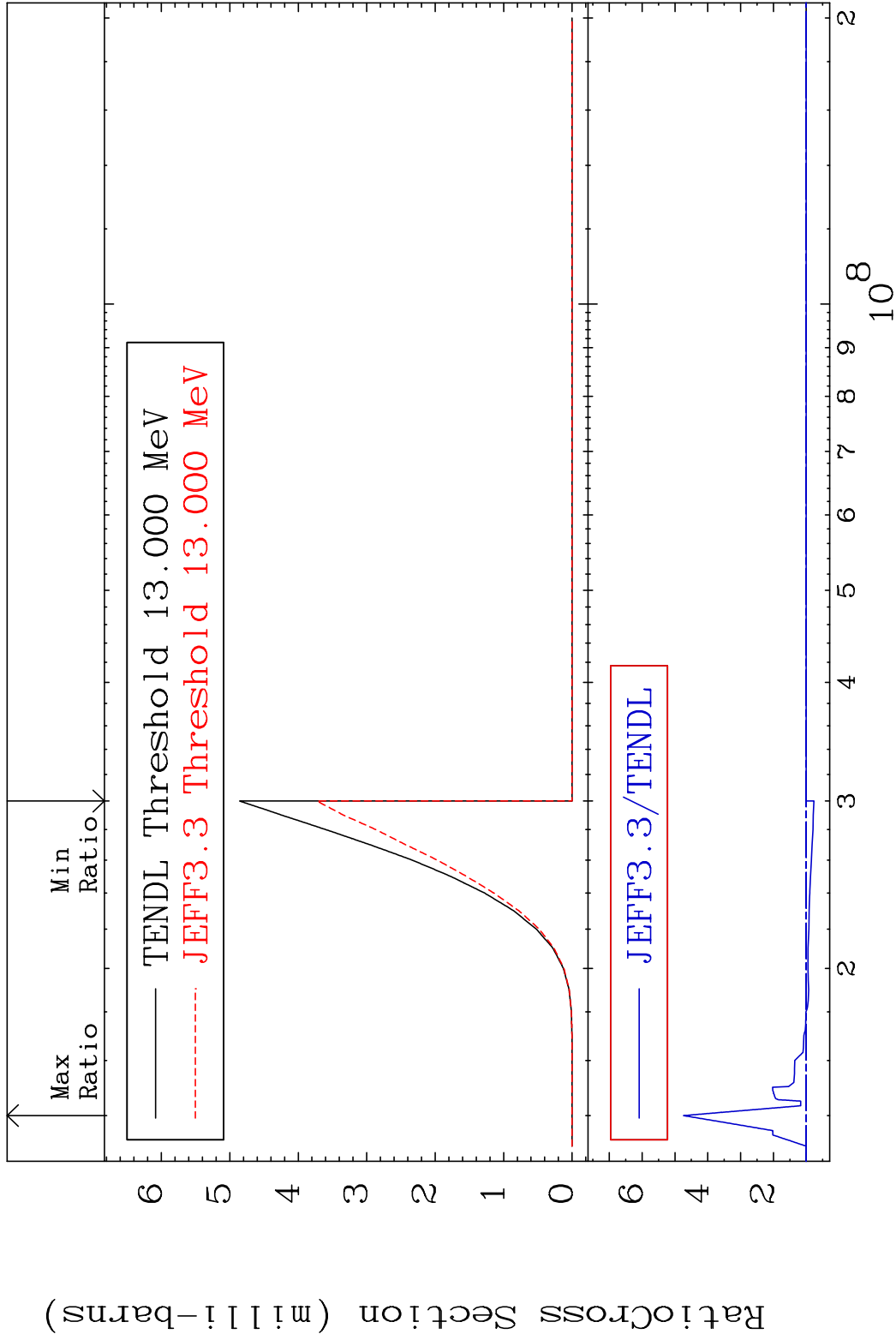
66 Incident Energy (eV) 50-Sn-124

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

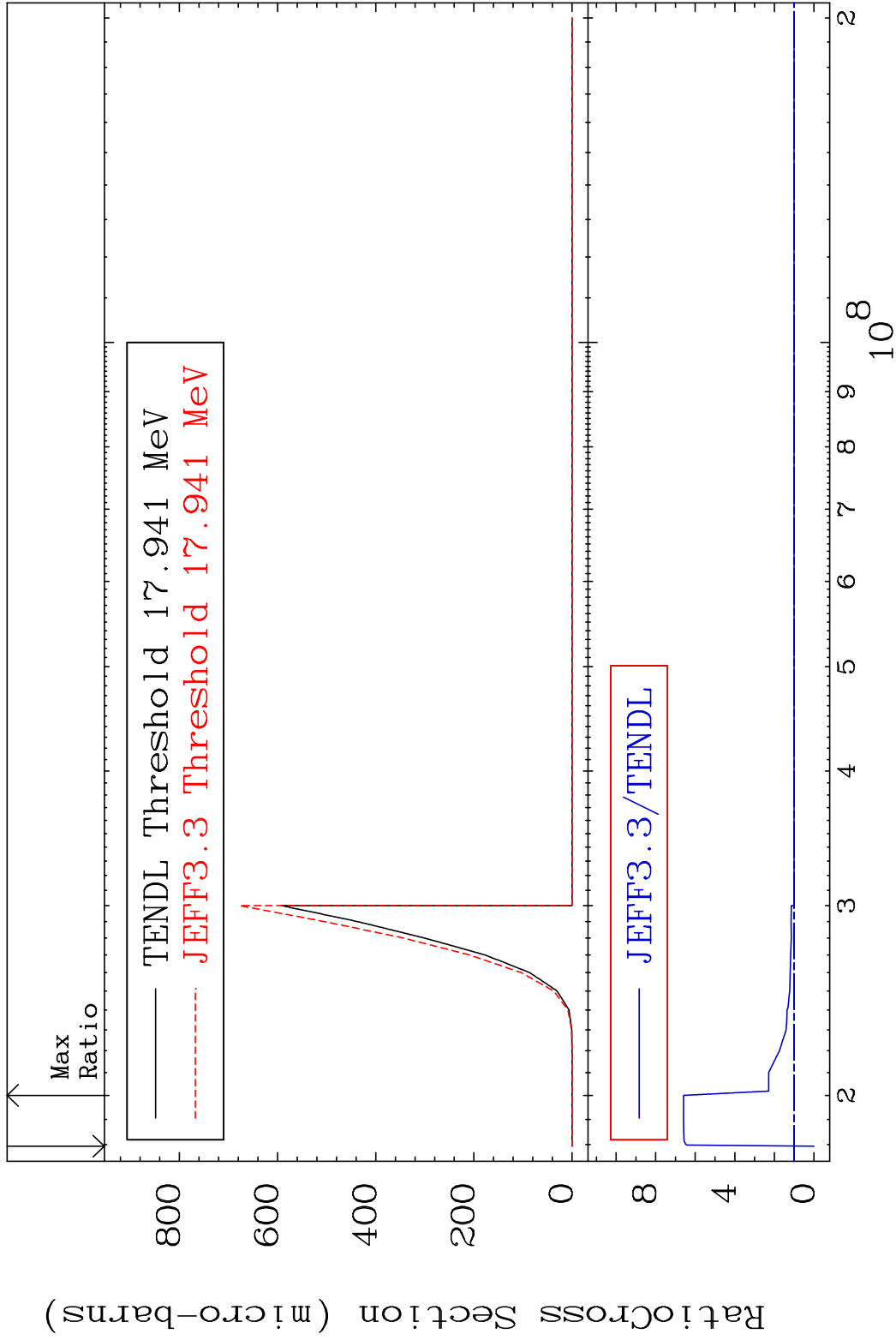


67 Incident Energy (eV) 50-Sn-124

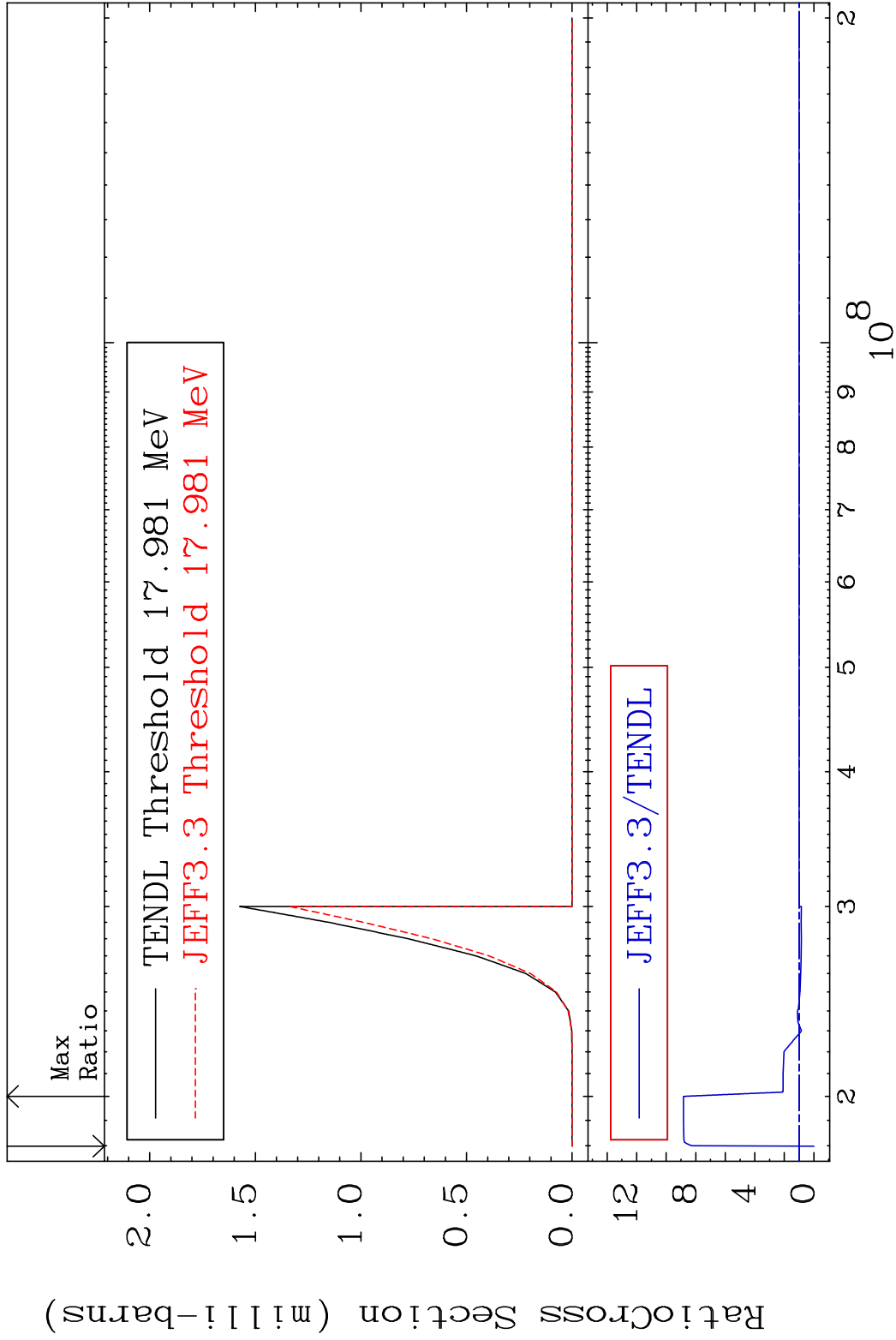
MAT 5061 (n, n') p:49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section 374.0 %



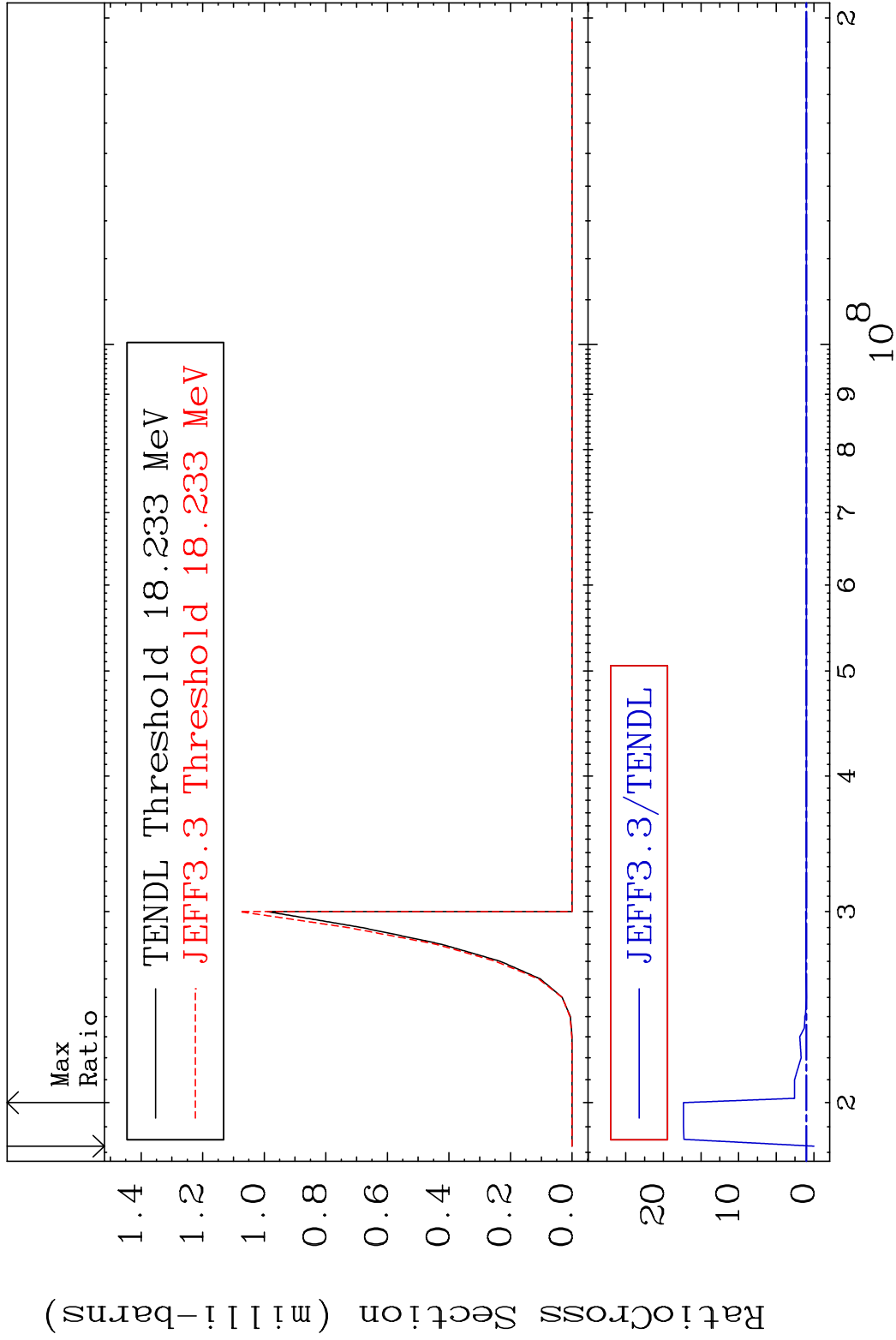
MAT 5061 (n, n') d:49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 180000 d:0 559.6 %



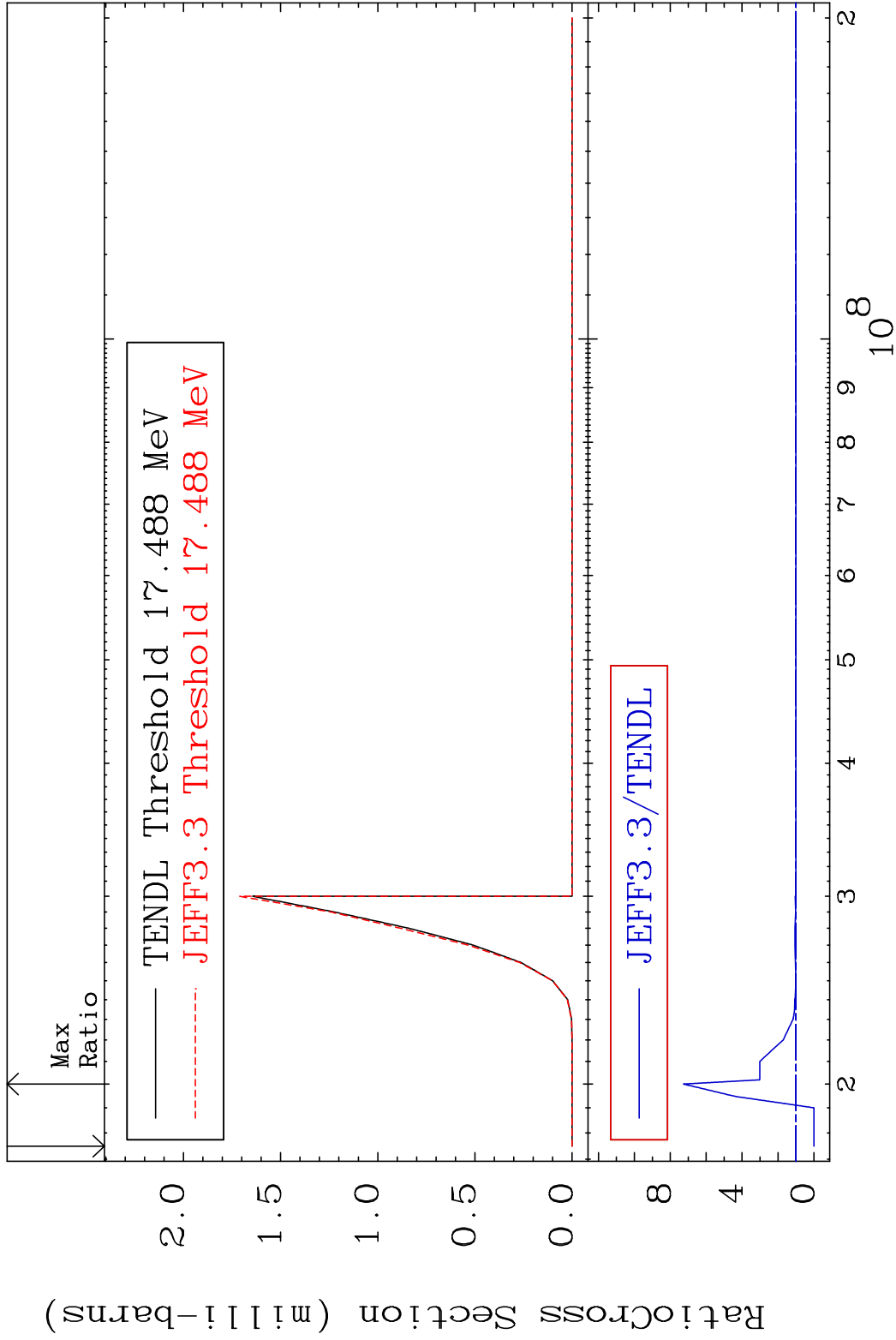
MAT 5061 (n, n') d:49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section 180000 d10 783.1 %



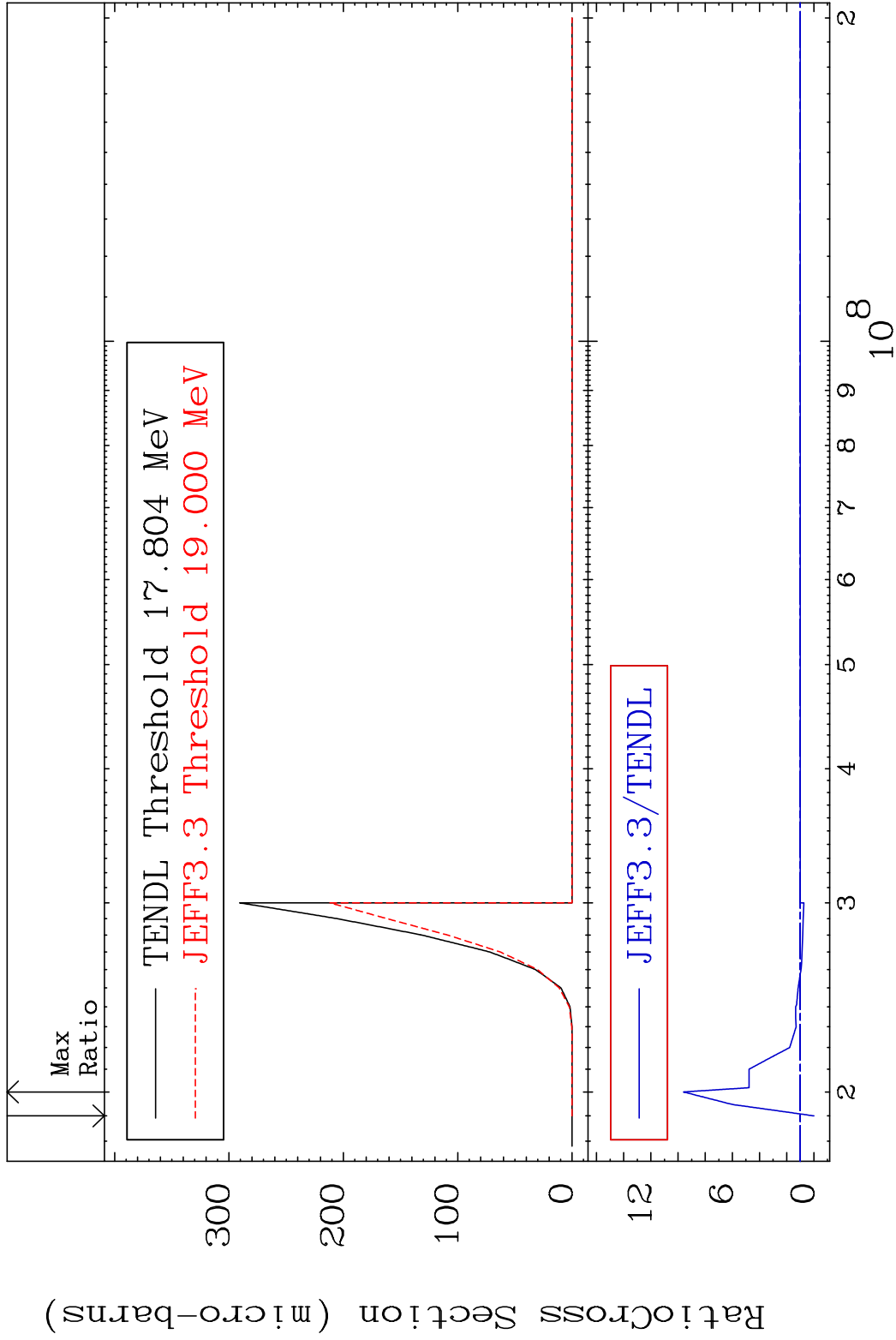
70 Incident Energy (eV) 50-Sn-124



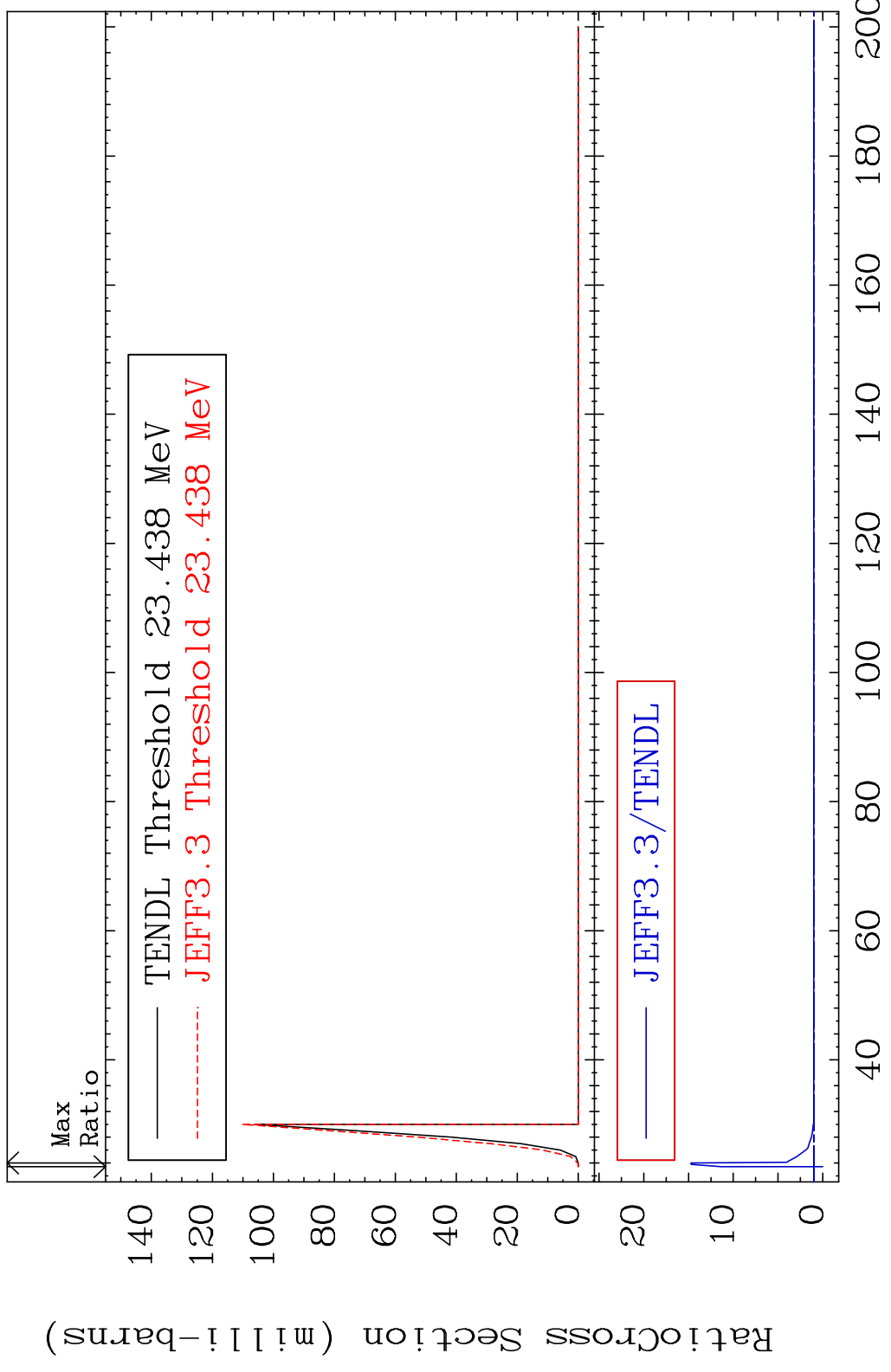
MAT 5061 (n, n') t:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 626.5 %



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

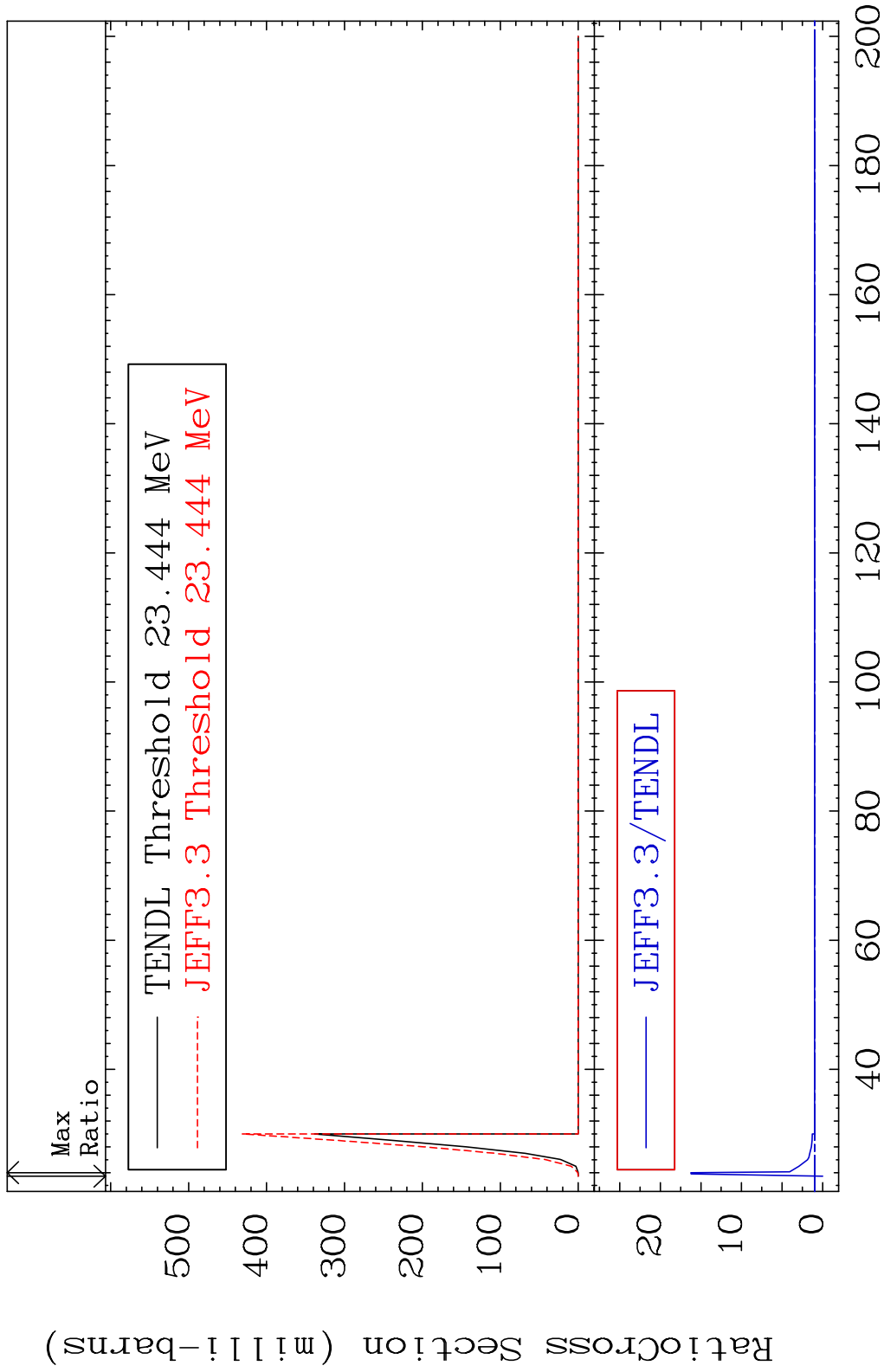


MAT 5061 (n, 4n):50-Sn-121g 50-Sn-124
 Radionuclide Production Cross Section 1374. %



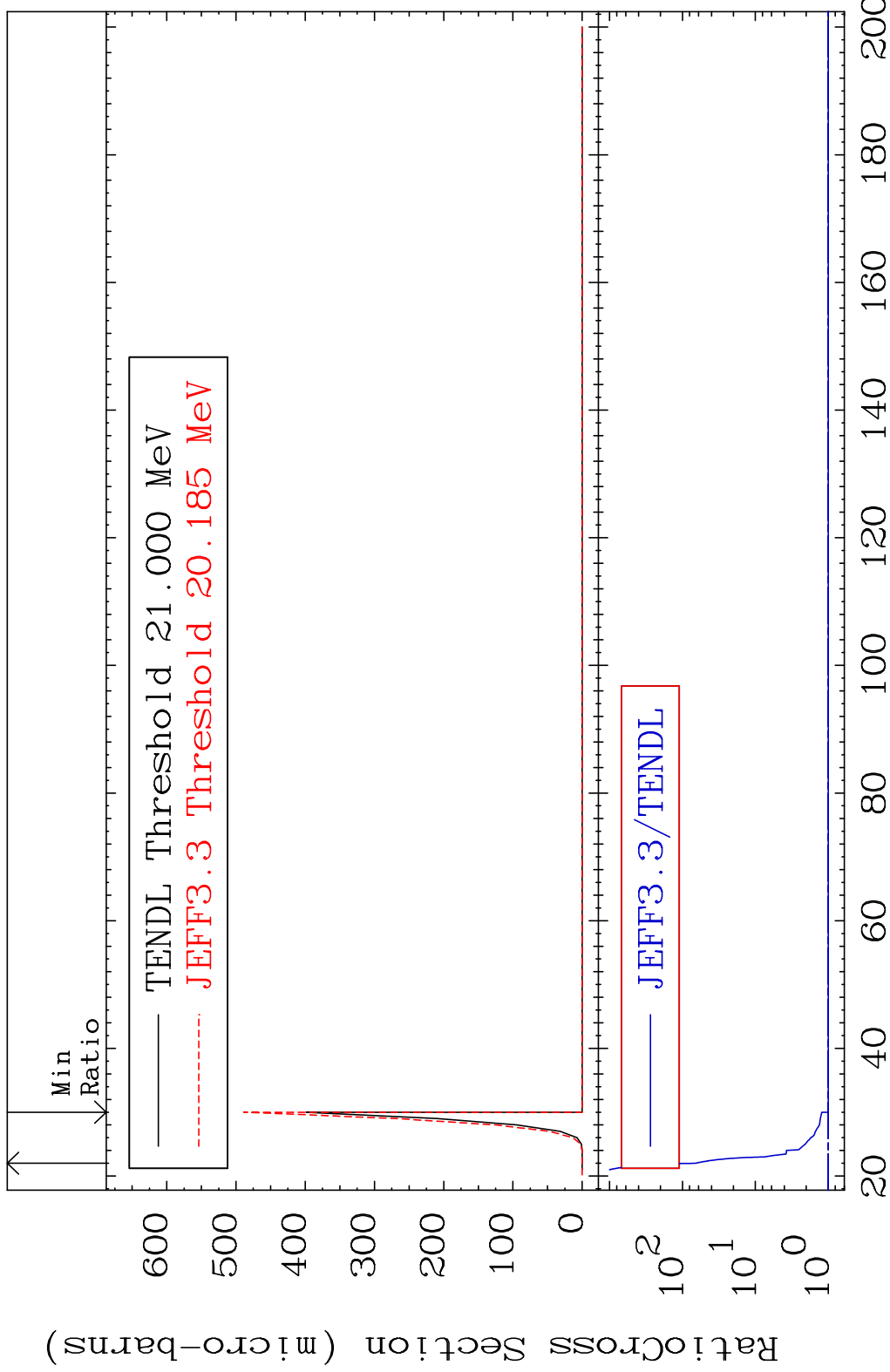
74

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

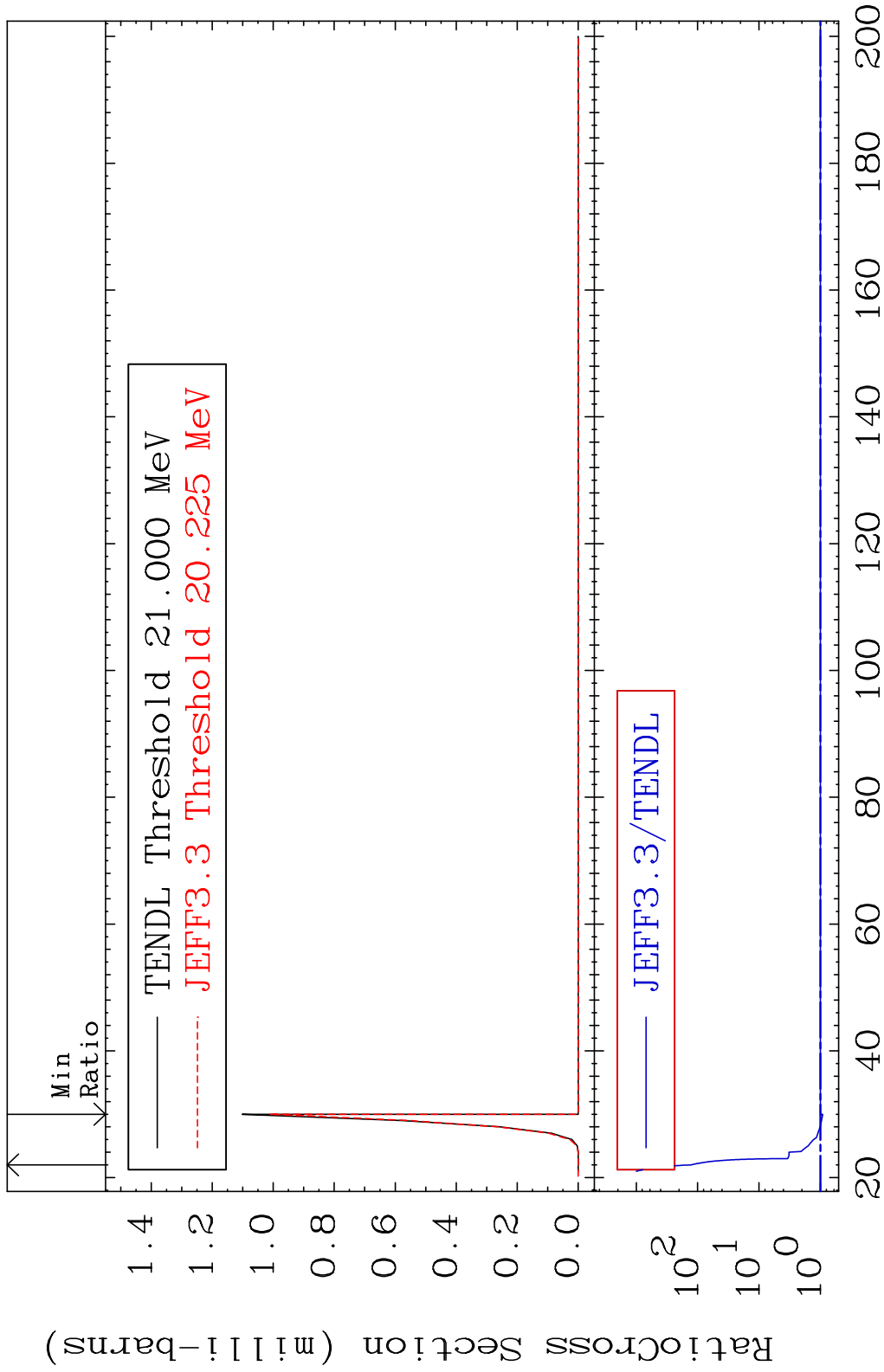


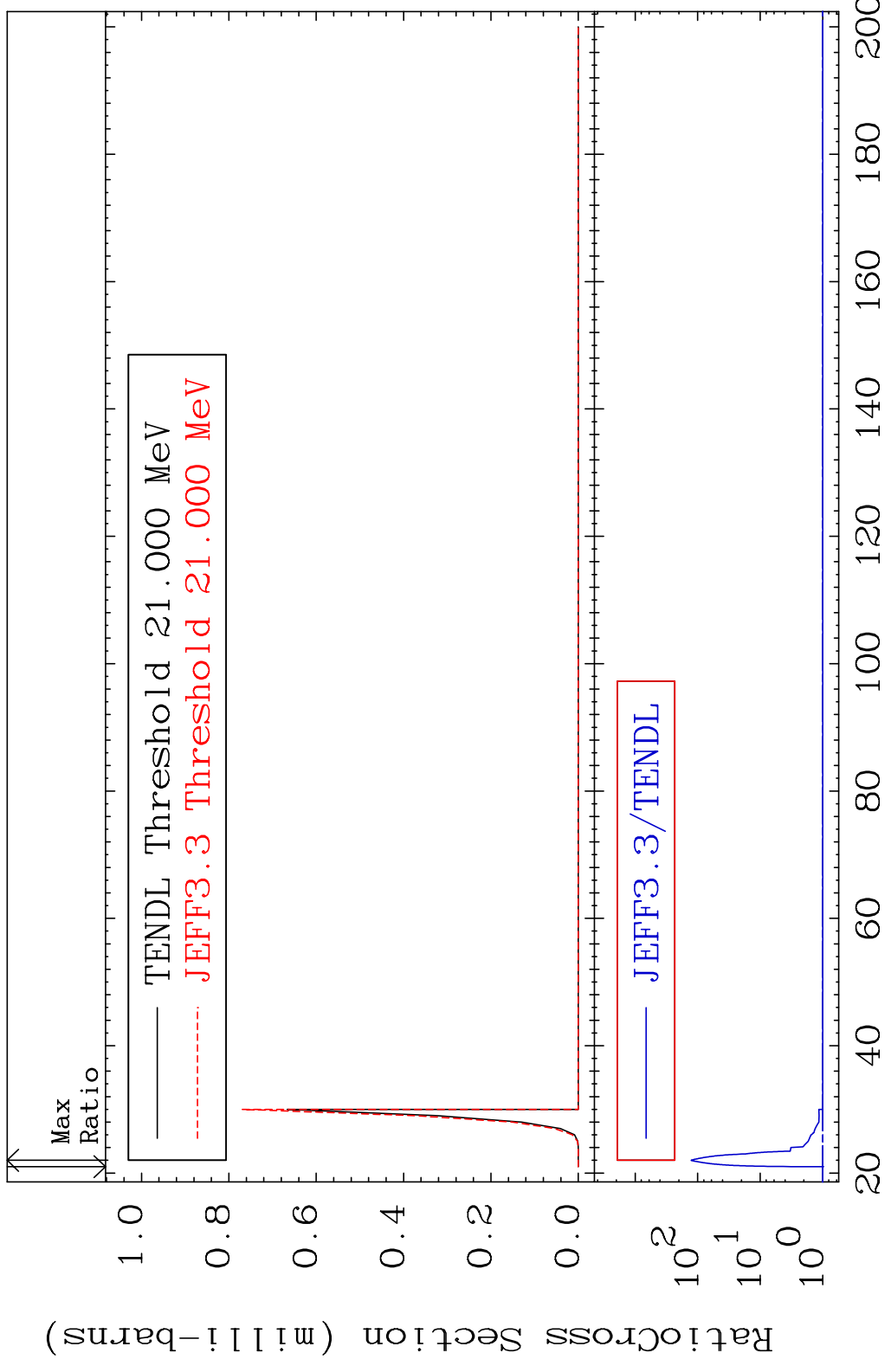
75 Incident Energy (MeV) 50-Sn-124

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

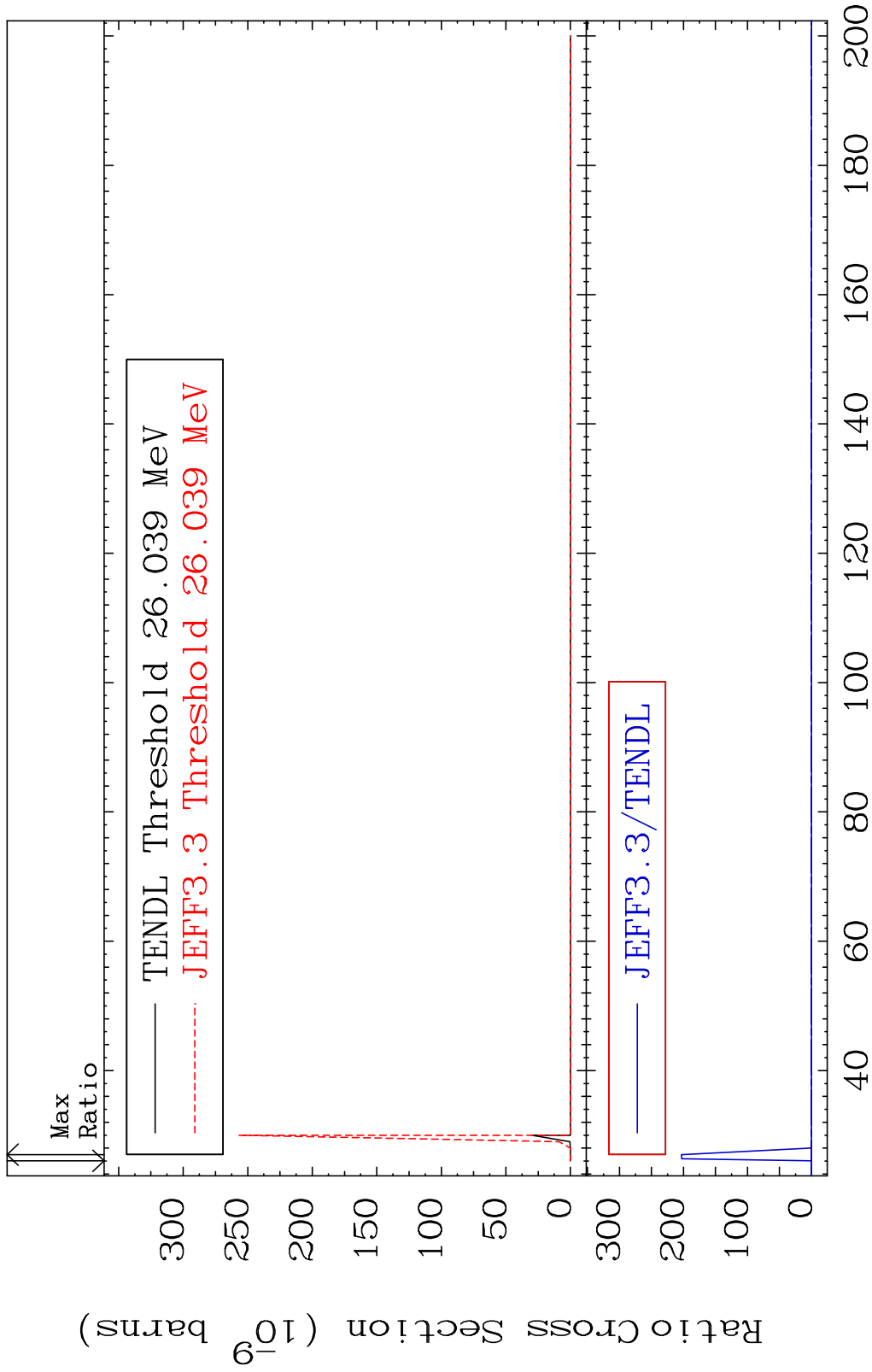


76 Incident Energy (MeV) 50-Sn-124

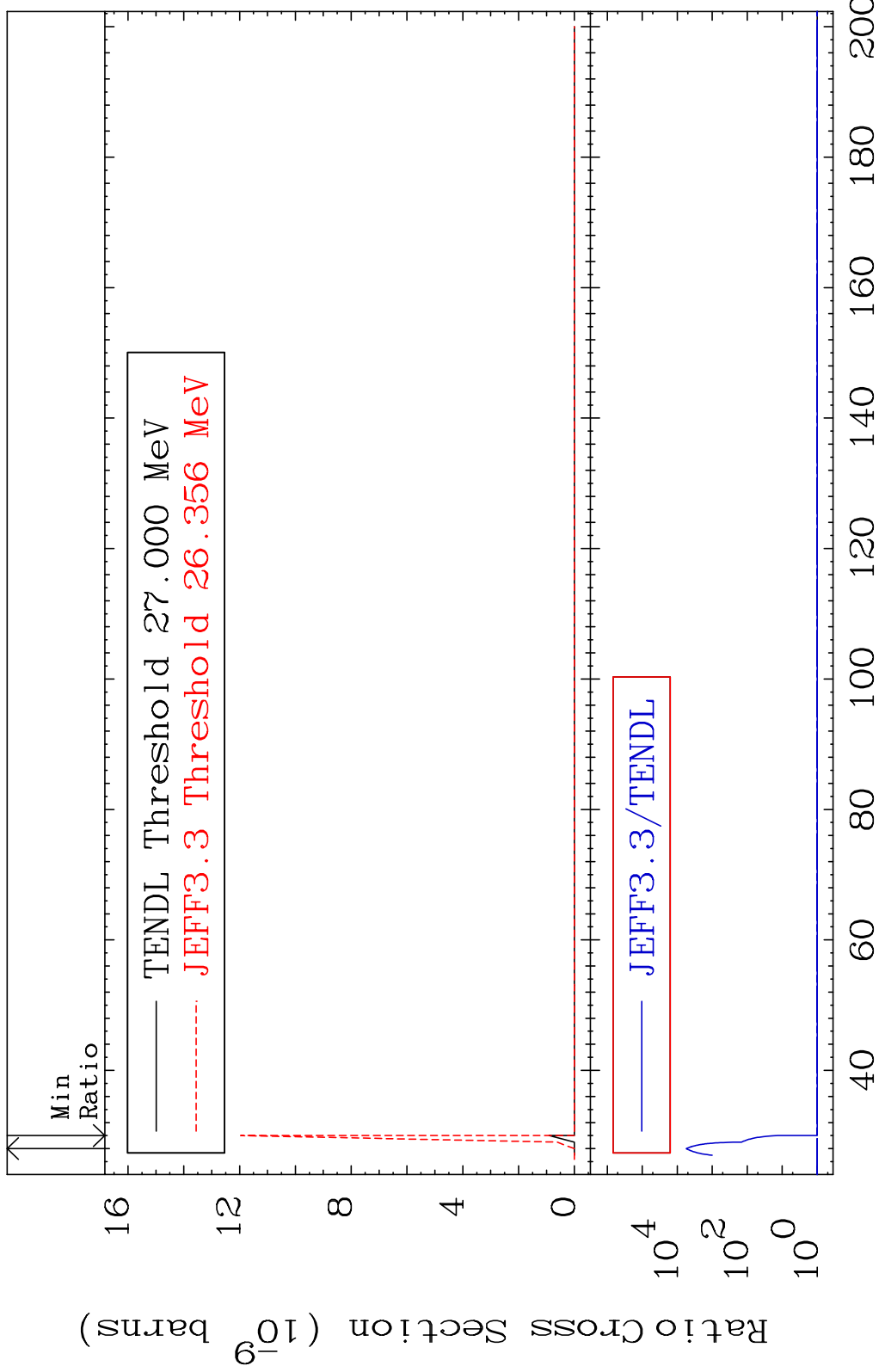




MAT 5061 (n,3n) p:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section 100.00 d to 9999. %

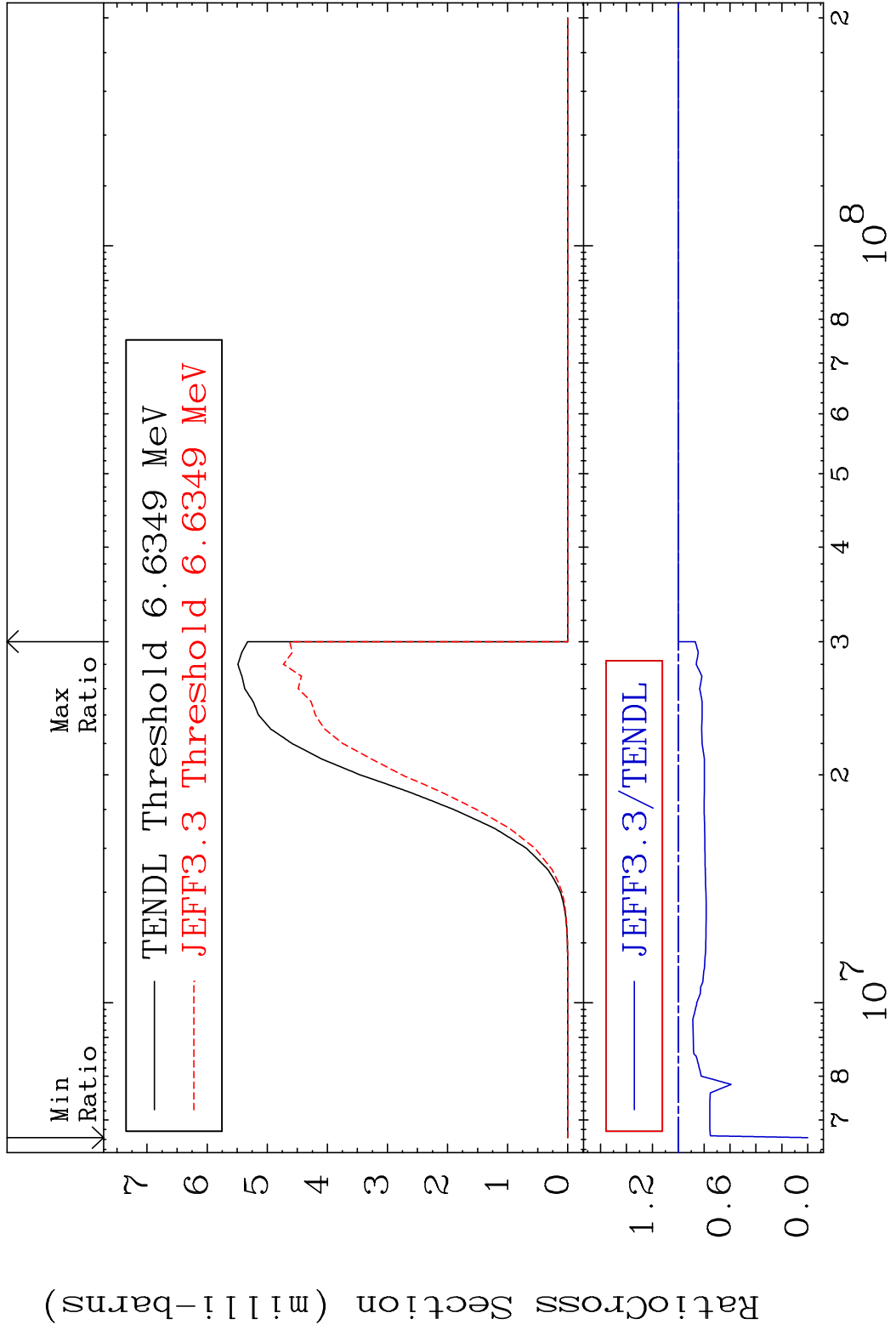


MAT 5061 (n,3n) p:49-In-121m1 50-Sn-124
 Radionuclide Production Cross Section 9999. %



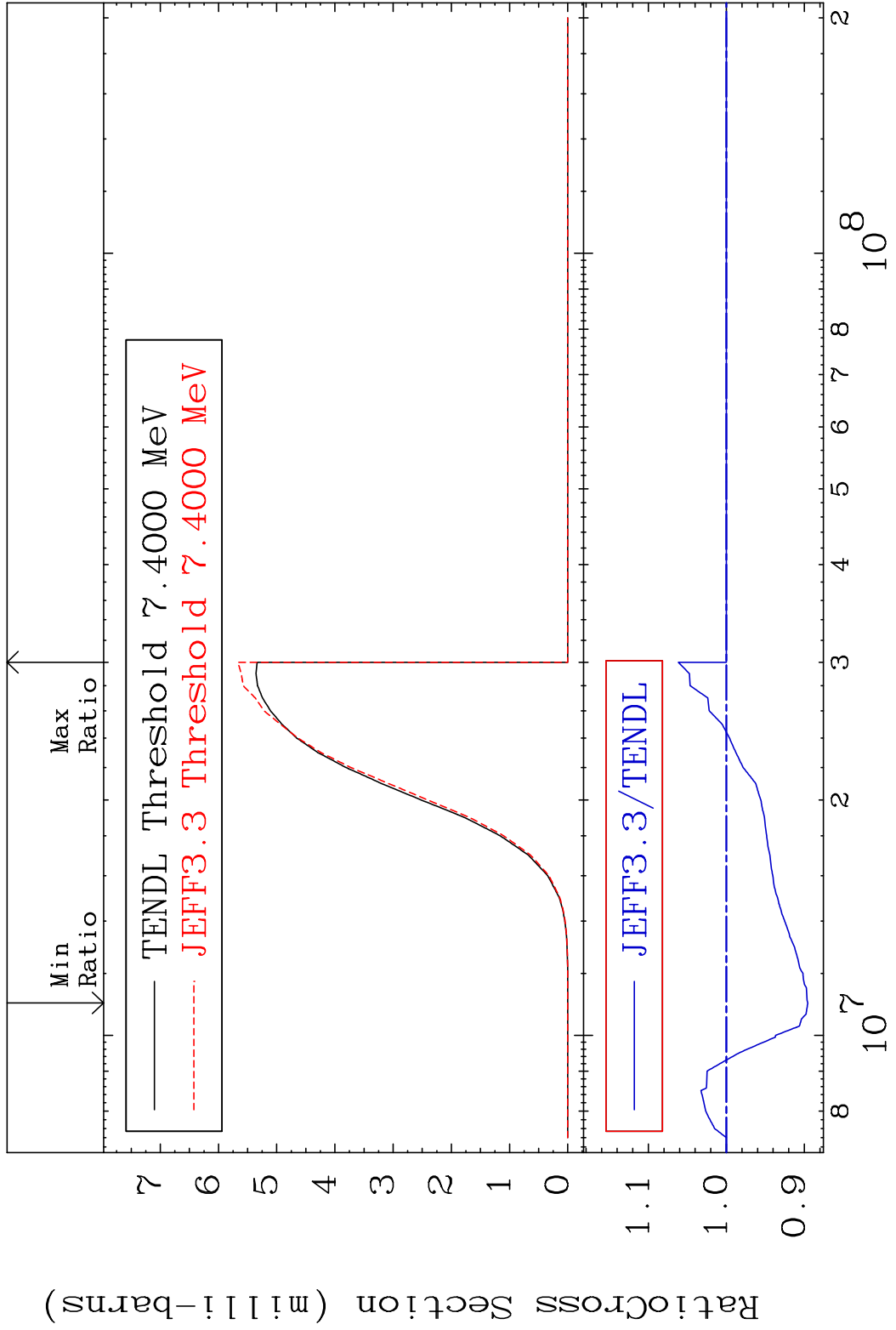
80 Incident Energy (MeV) 50-Sn-124

MAT 5061 (n,p):49-In-124g 50-Sn-124
 Radionuclide Production Cross Section 180000000.000 %



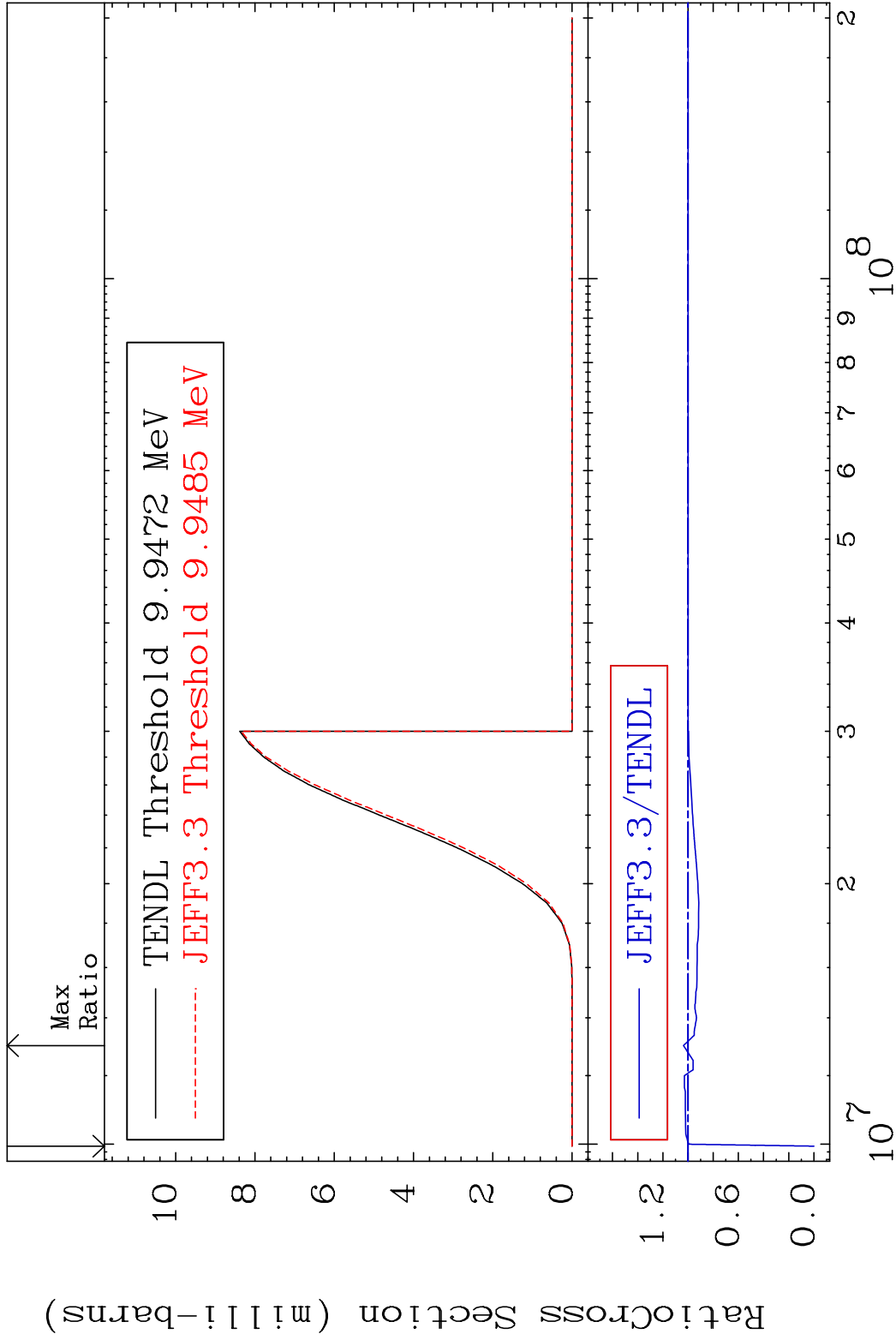
81 Incident Energy (eV) 50-Sn-124

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



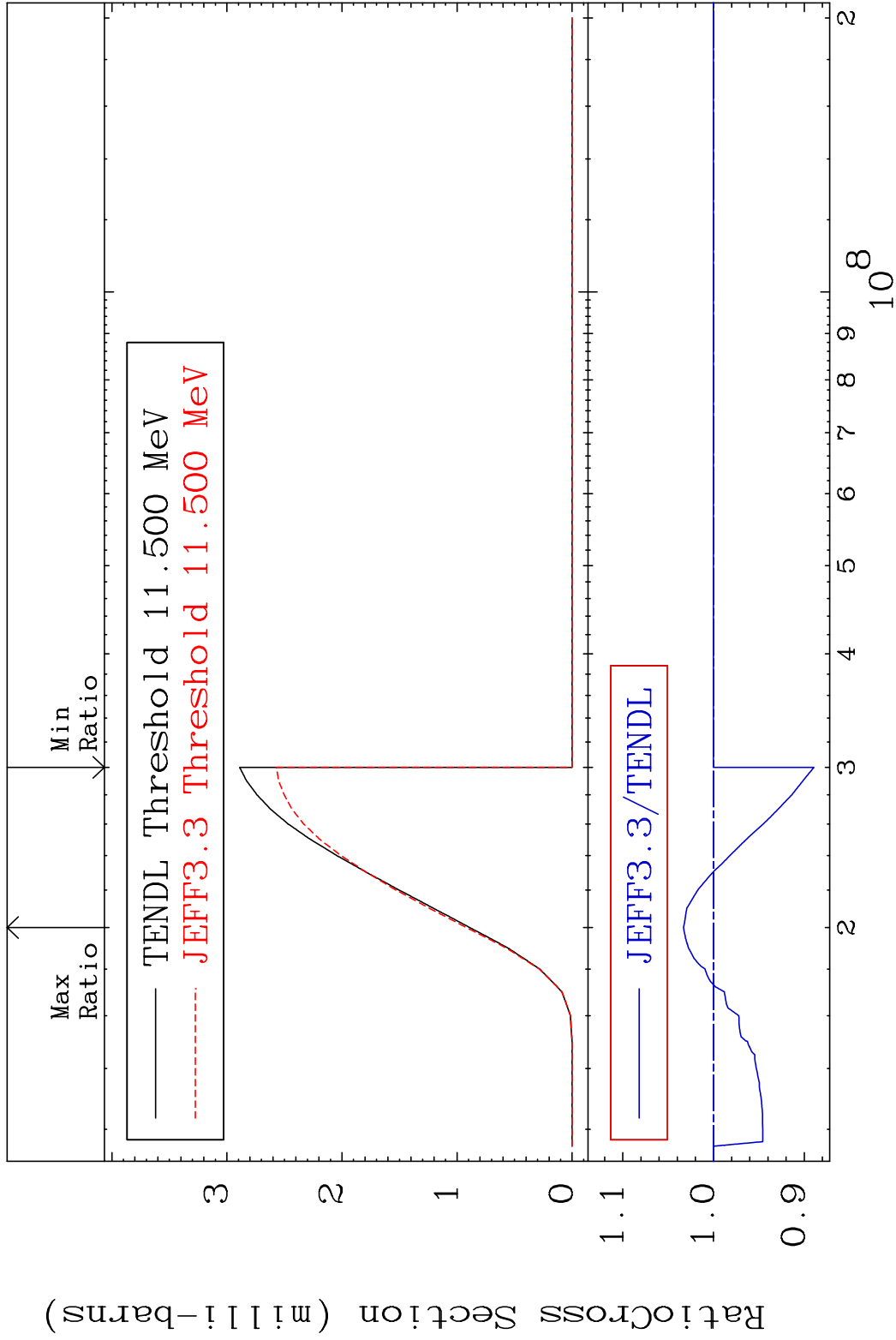
82 Incident Energy (eV) 50-Sn-124

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

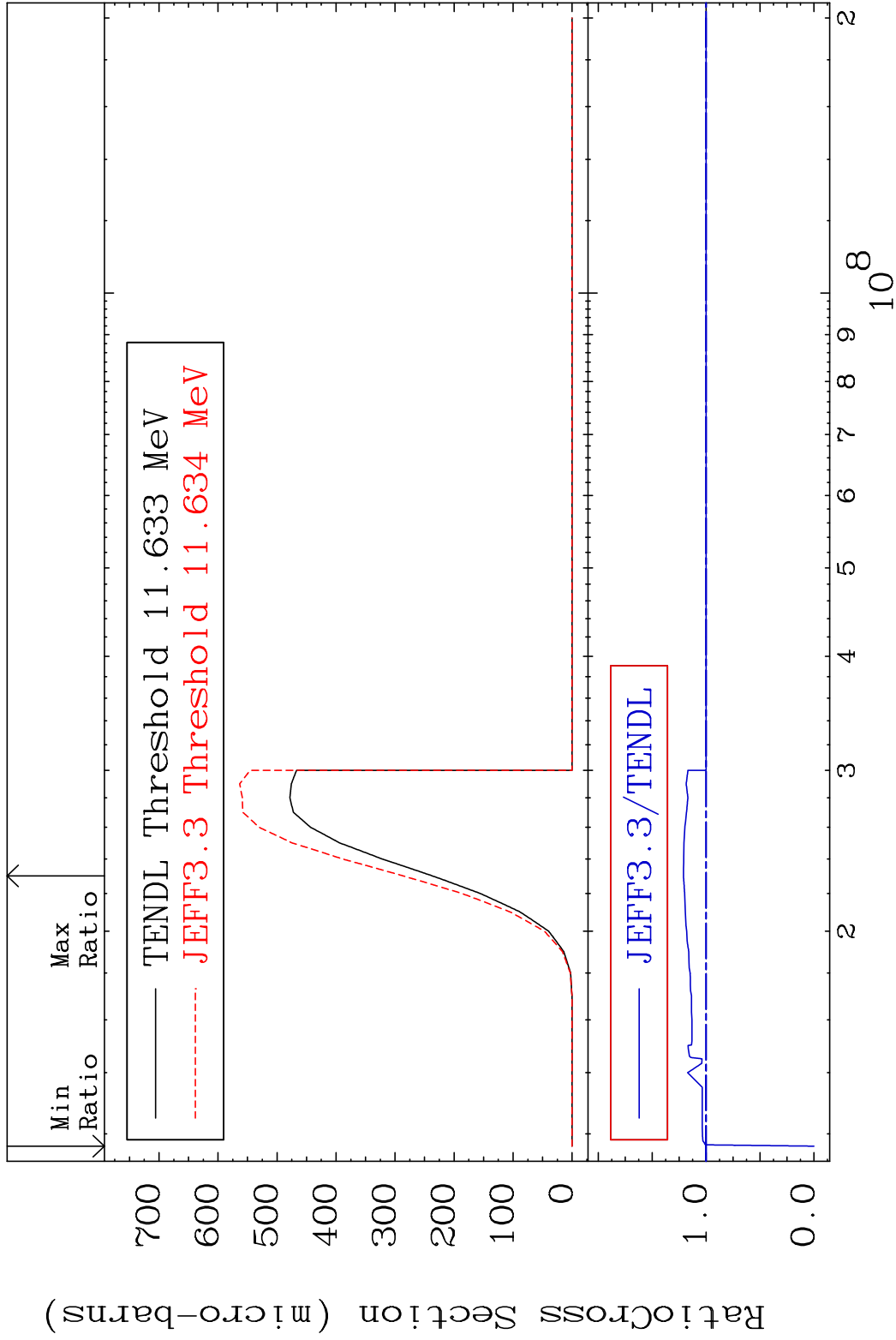


83 Incident Energy (eV) 50-Sn-124

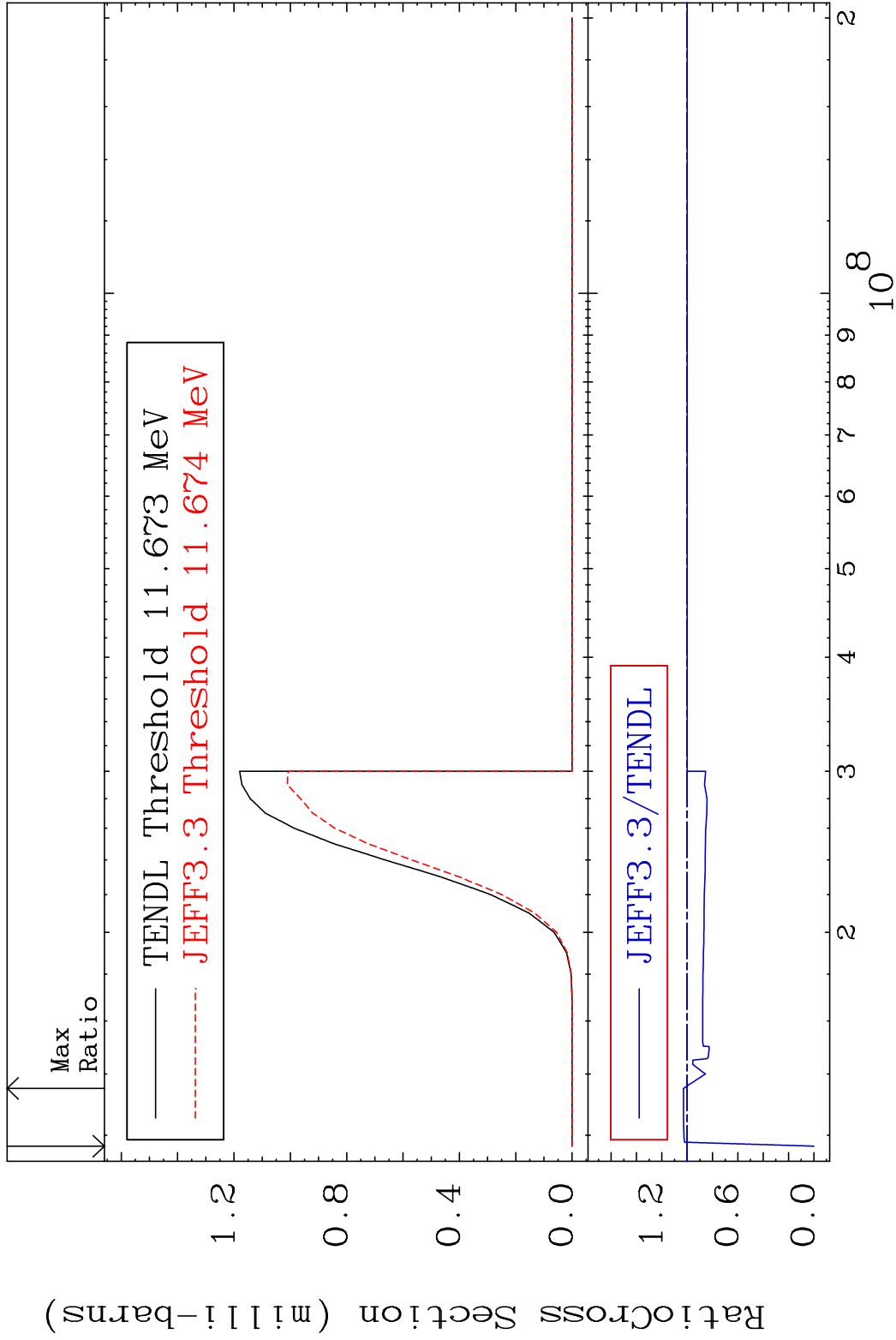
MAT 5061 (n, d): 49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section 3.314 %



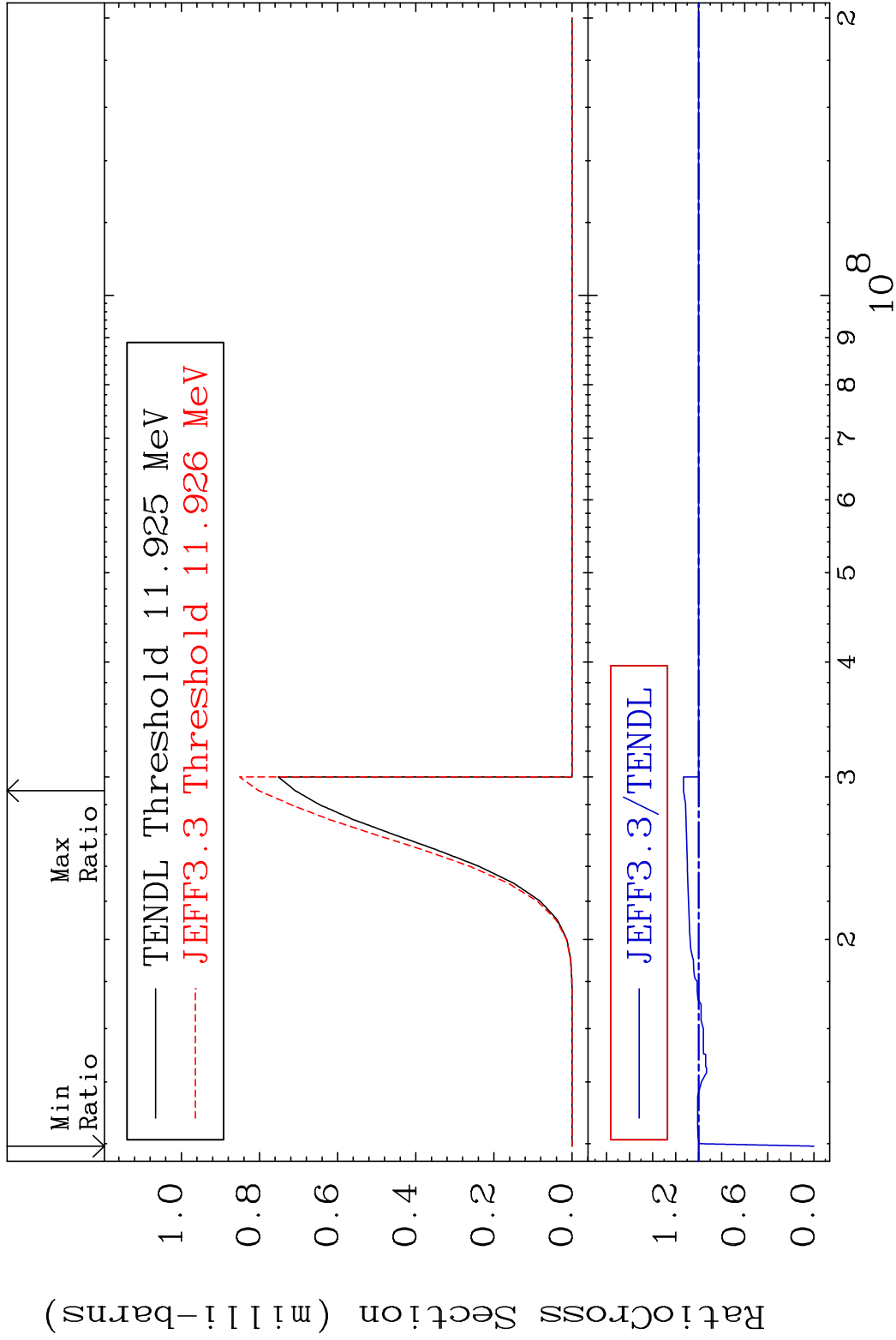
MAT 5061 (n,t):49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 20.94 %



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. %

