

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

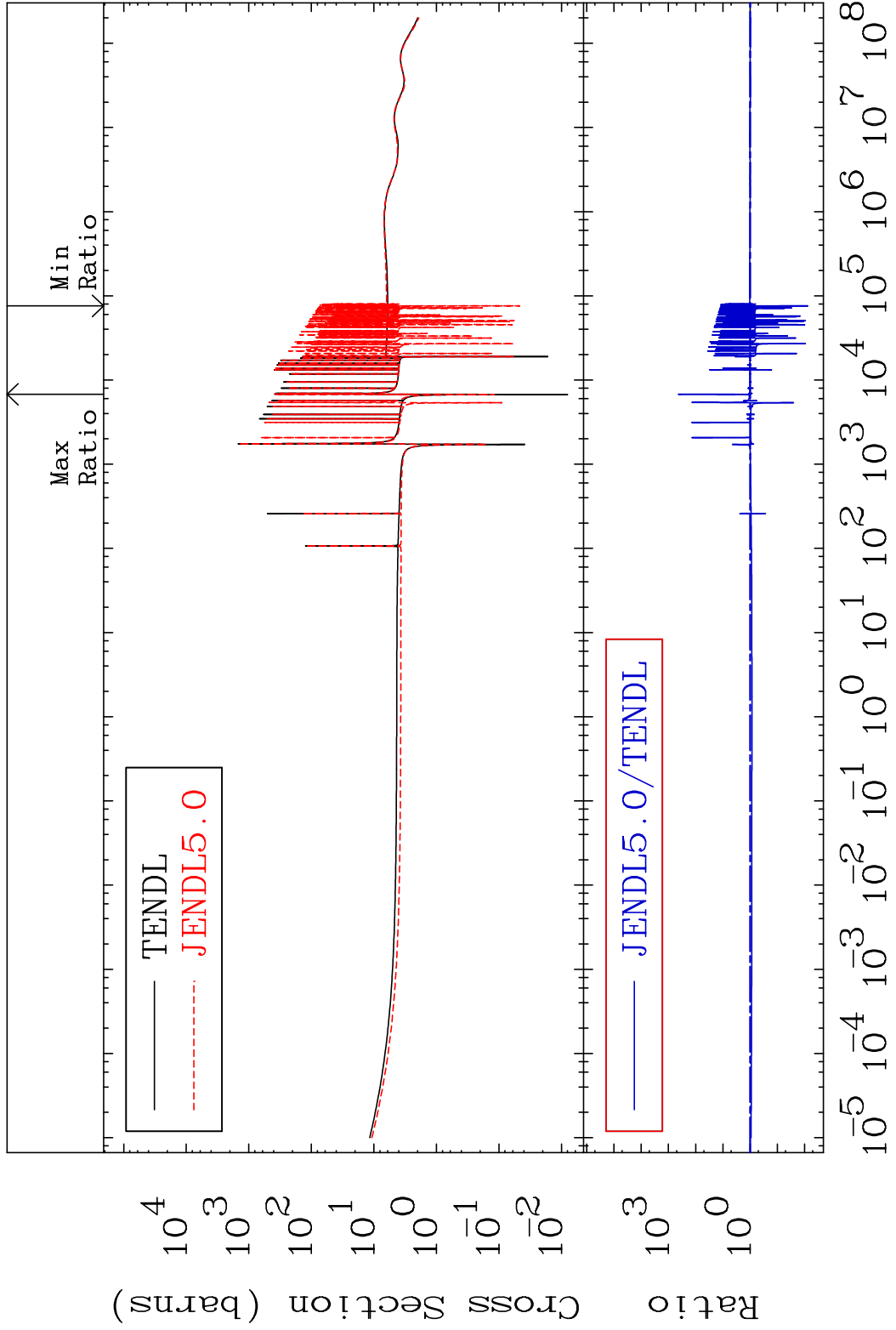
U.S.A.

Tele: 925-443-1911

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

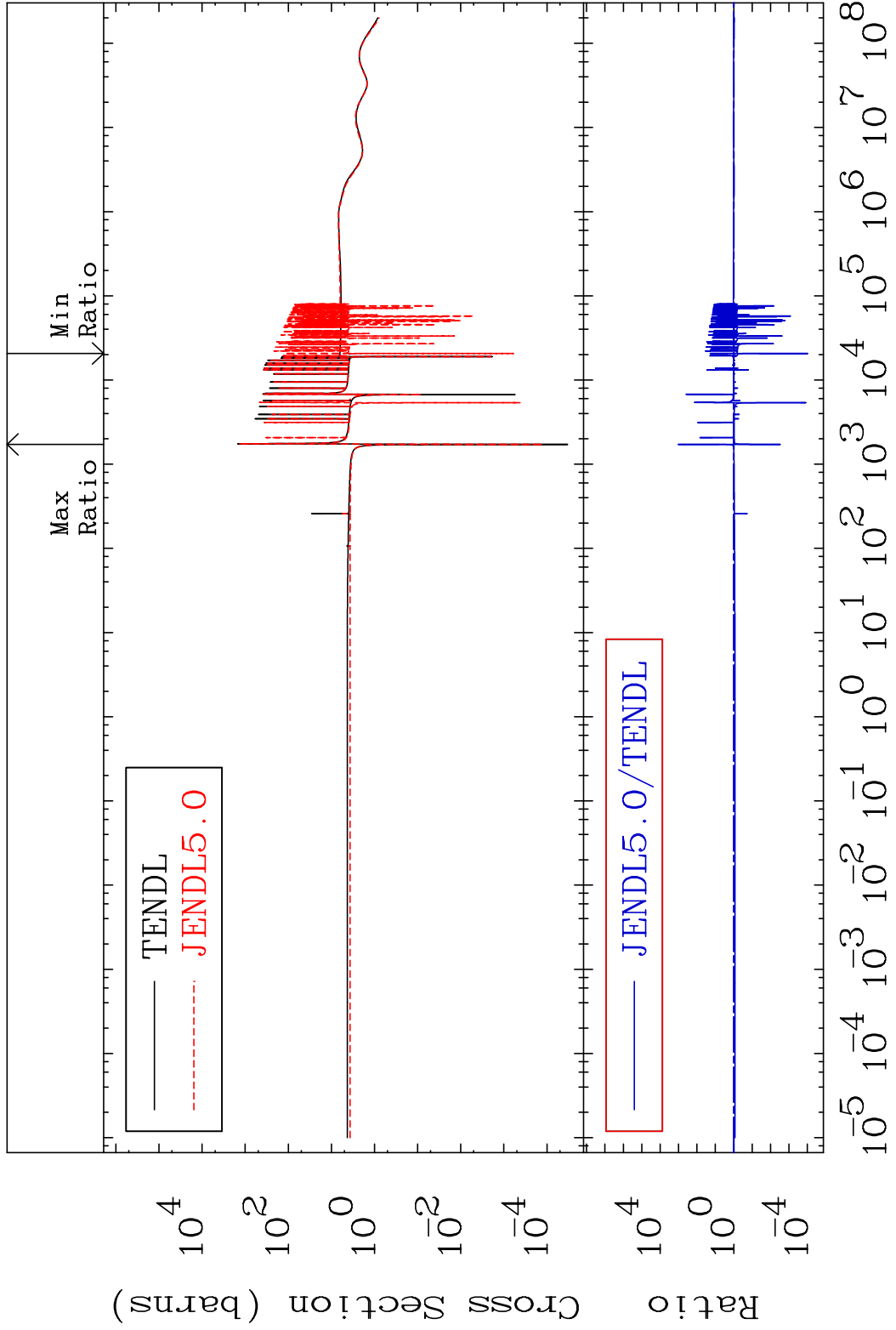
Press Mouse Button to Start

MAT 5055 Total 50-Sn-122
 Cross Section -99.23 To 9999. %



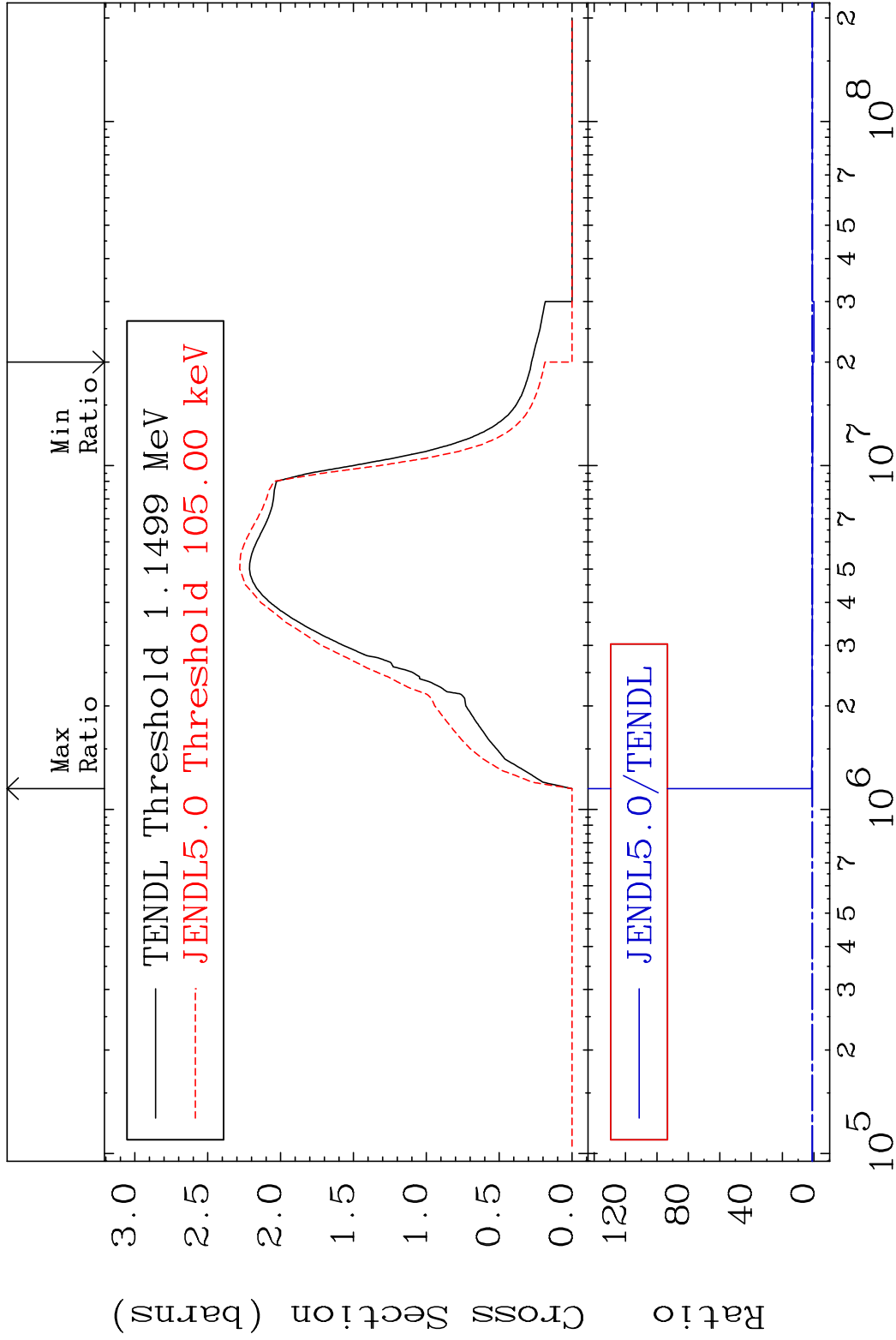
1 Incident Energy (eV) 50-Sn-122

MAT 5055 Elastic 50-Sn-122
 Cross Section -99.99 To 9999. %



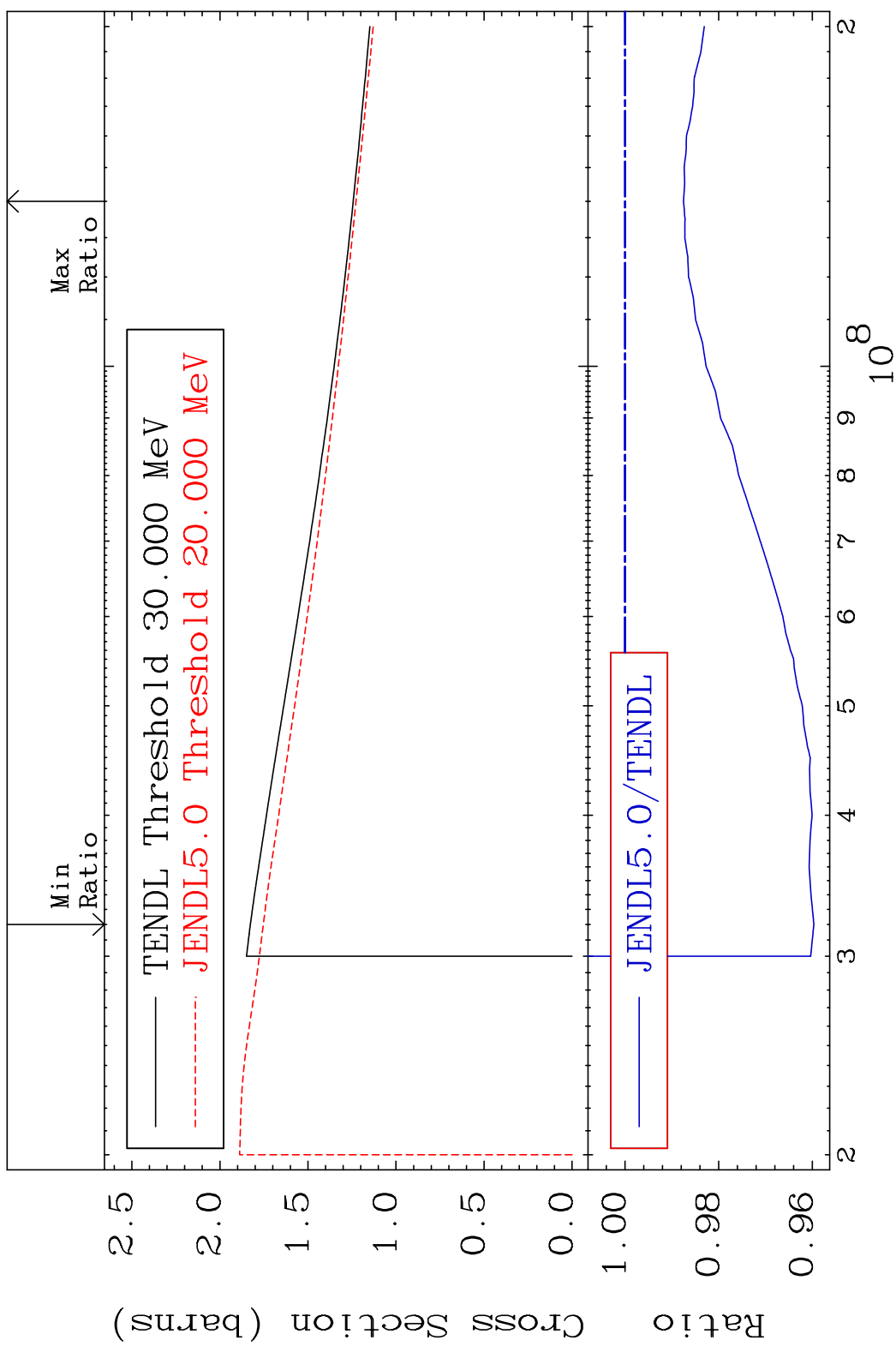
2 Incident Energy (eV) 50-Sn-122

MAT 5055 Inelastic Cross Section -100.0 To 8211. % 50-Sn-122



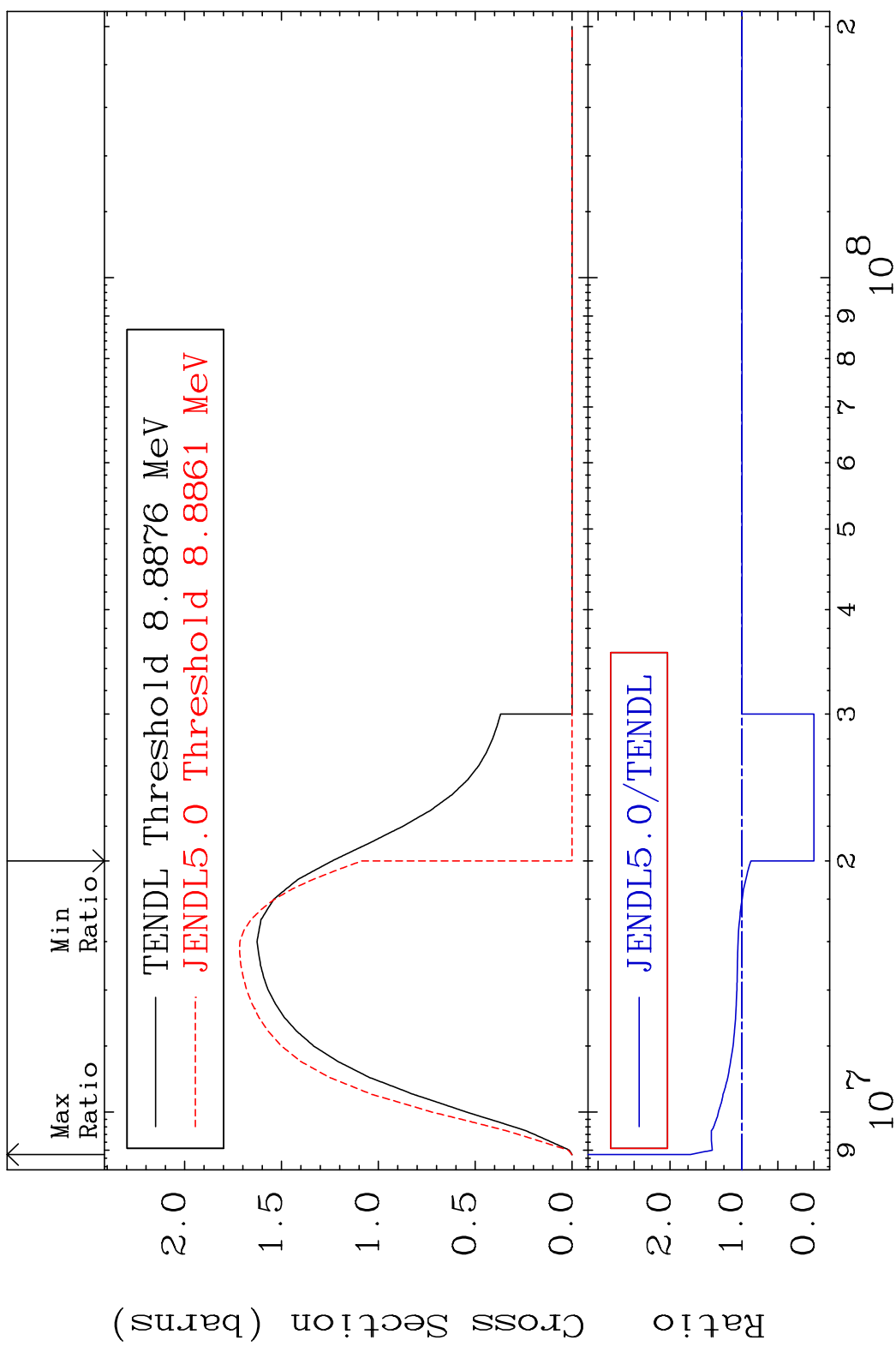
3 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, remainder) 50-Sn-122
 Cross Section -4.033 To -1.248%



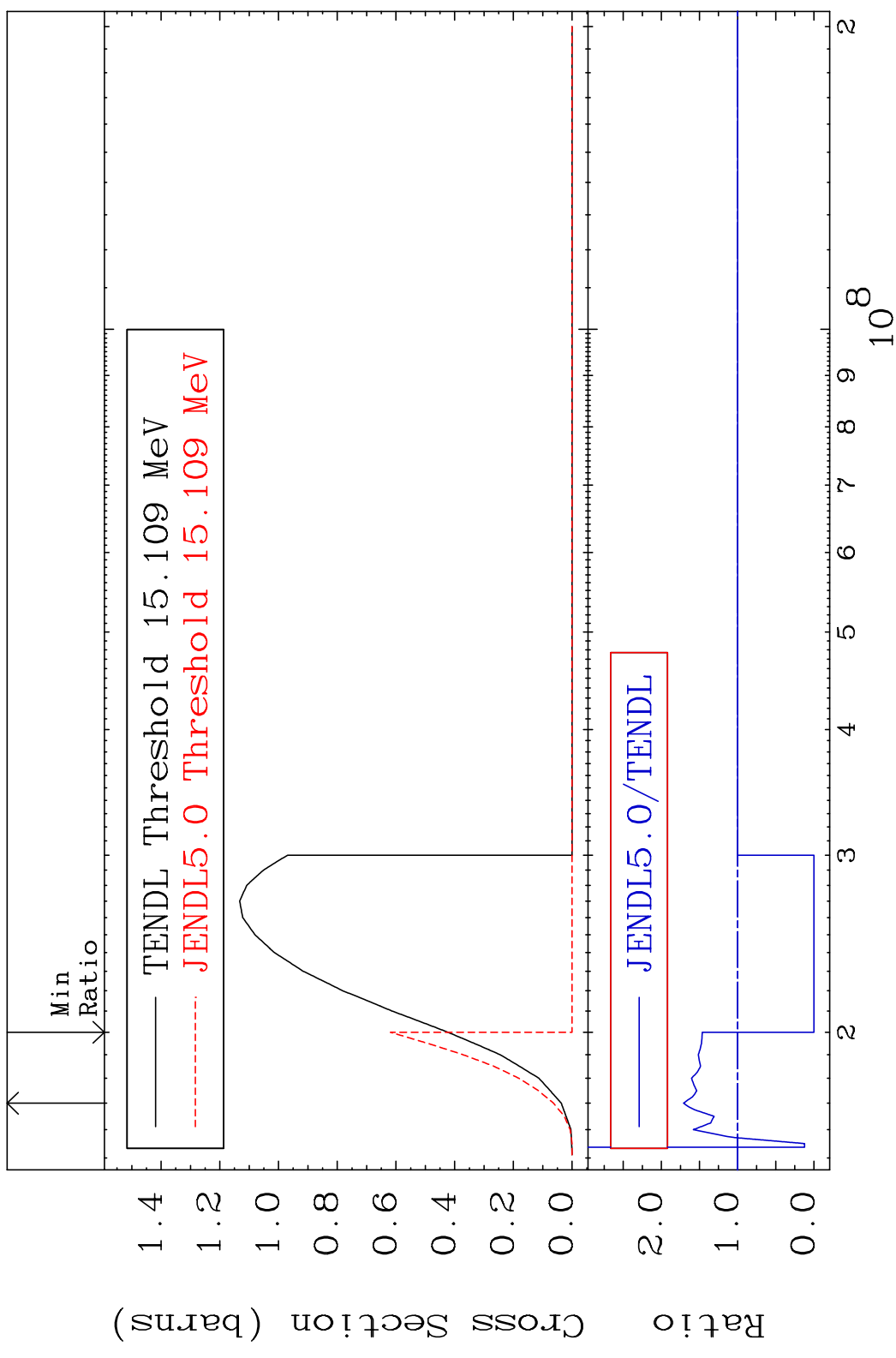
4 Incident Energy (eV) 50-Sn-122

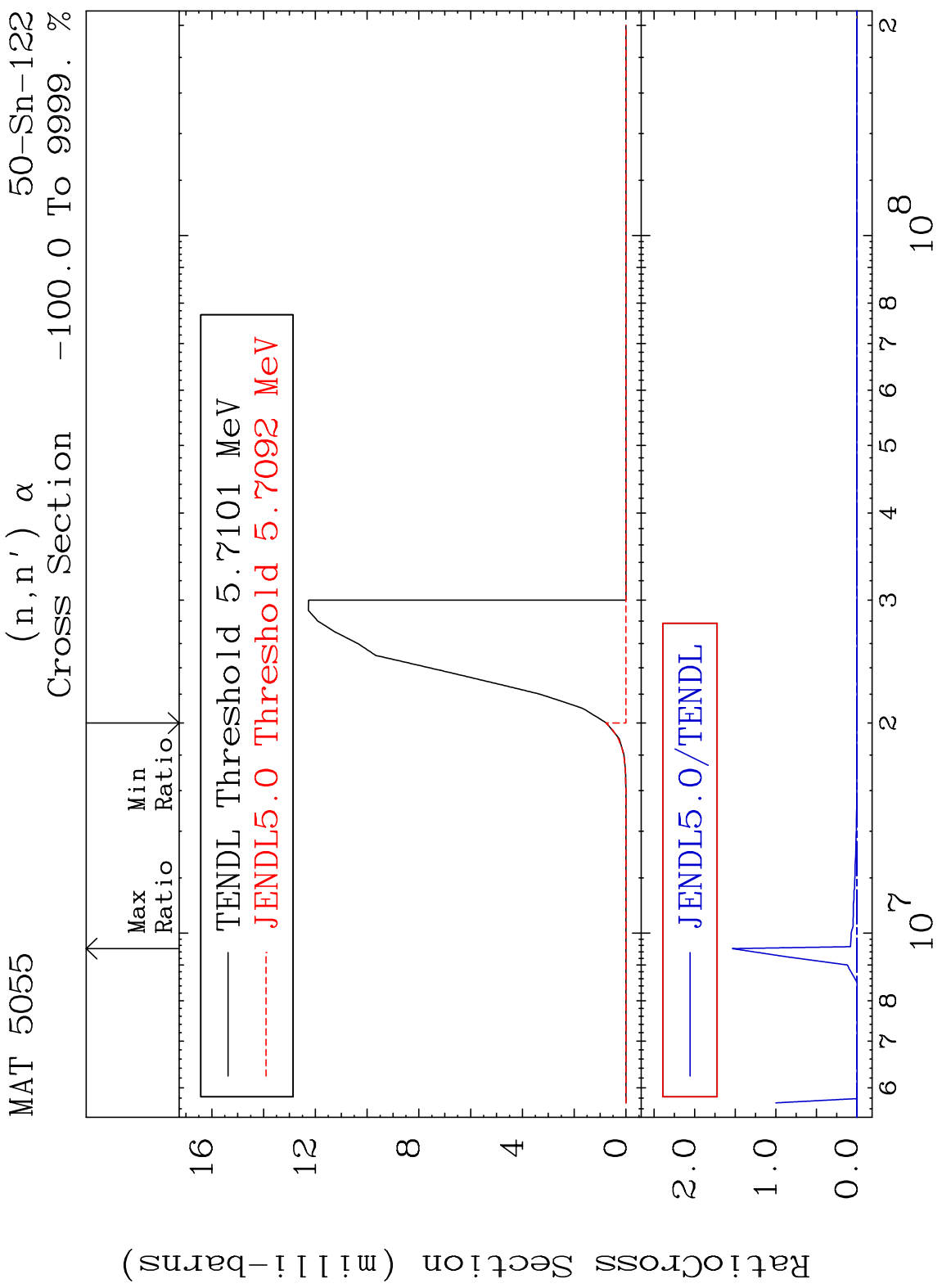
MAT 5055 (n,2n) 50-Sn-122
 Cross Section -100.0 To 81.31 %

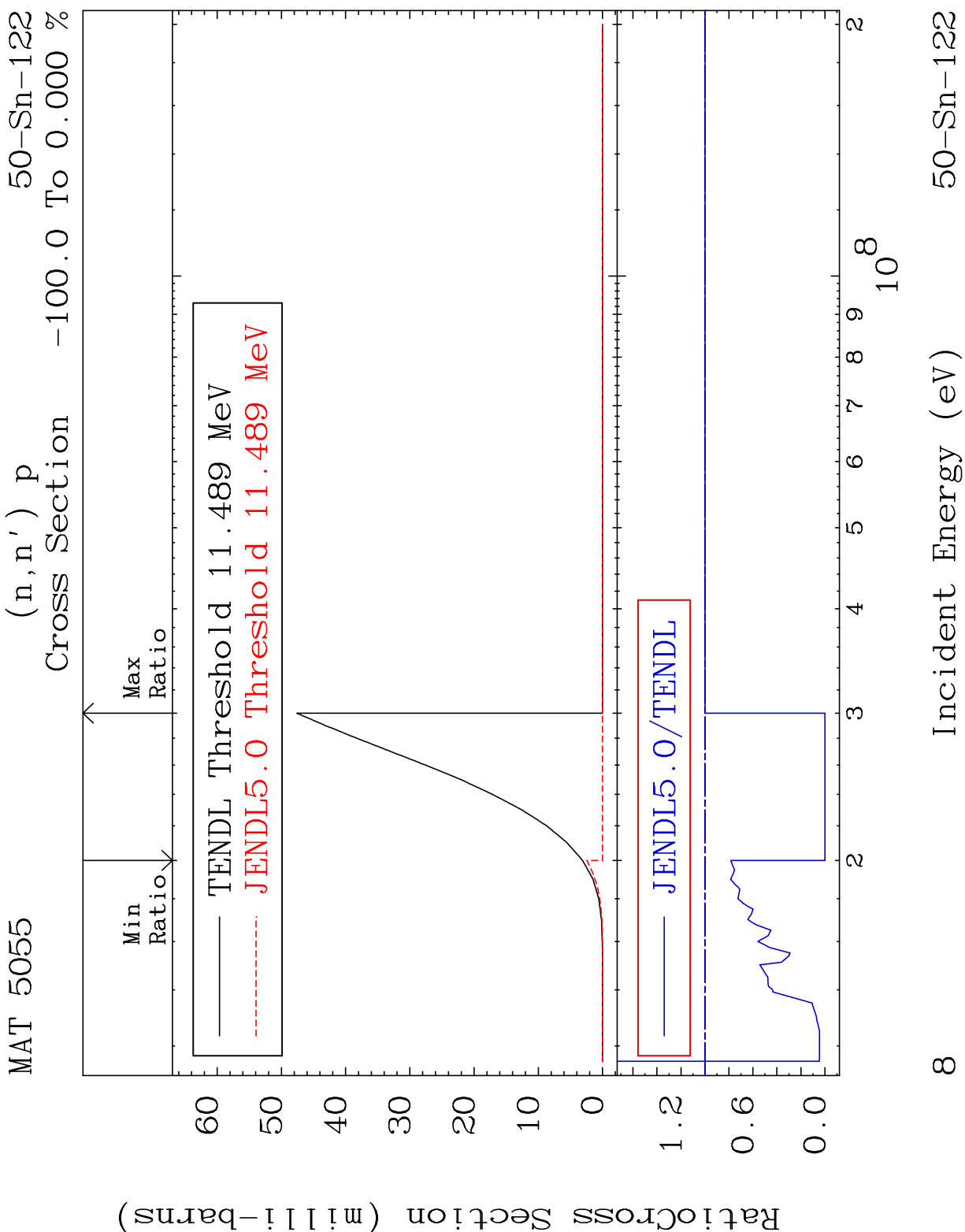


5 10⁷ 10⁸ 50-Sn-122

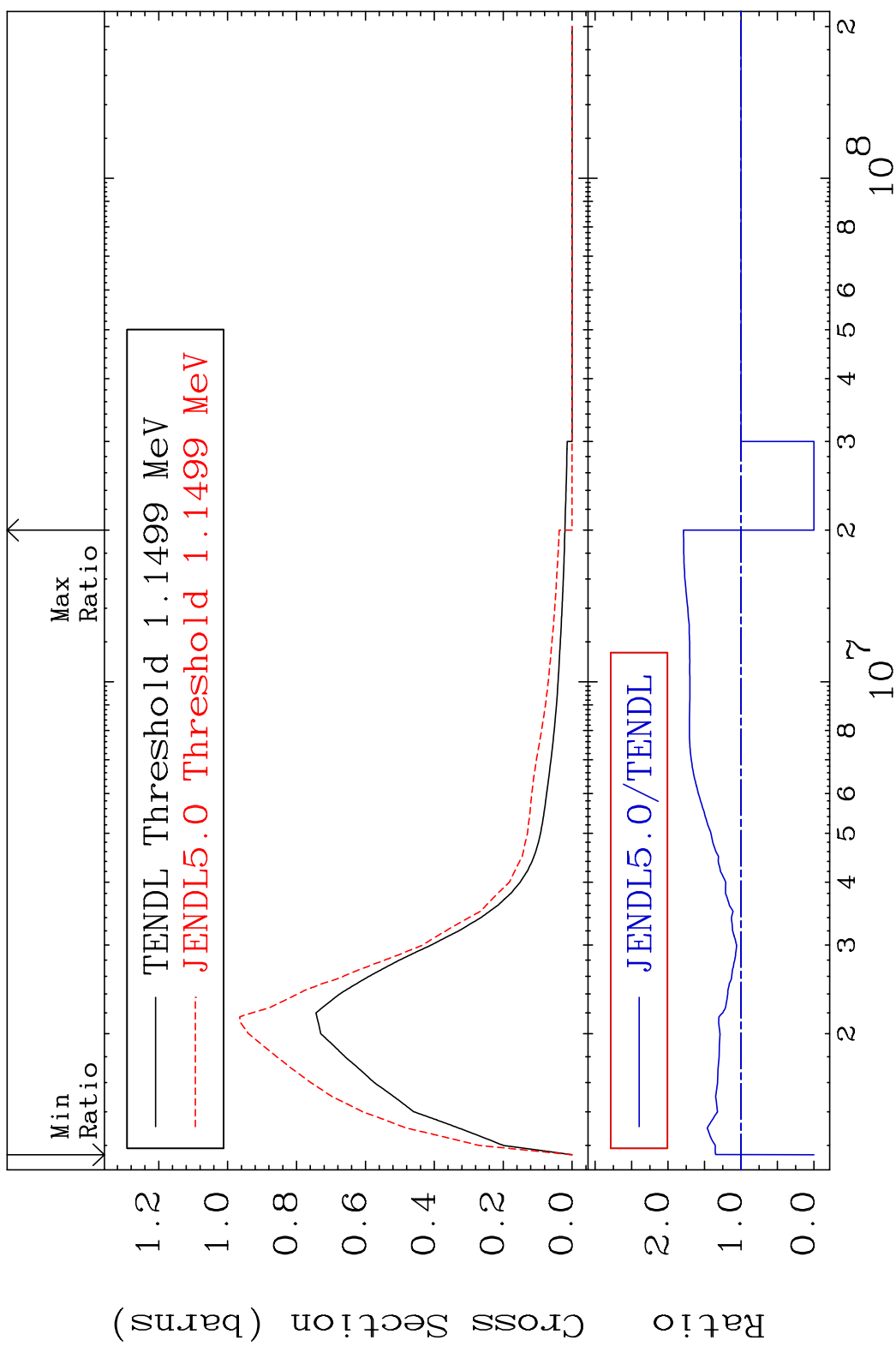
MAT 5055 (n,3n) 50-Sn-122
 Cross Section -100.0 To 71.01 %



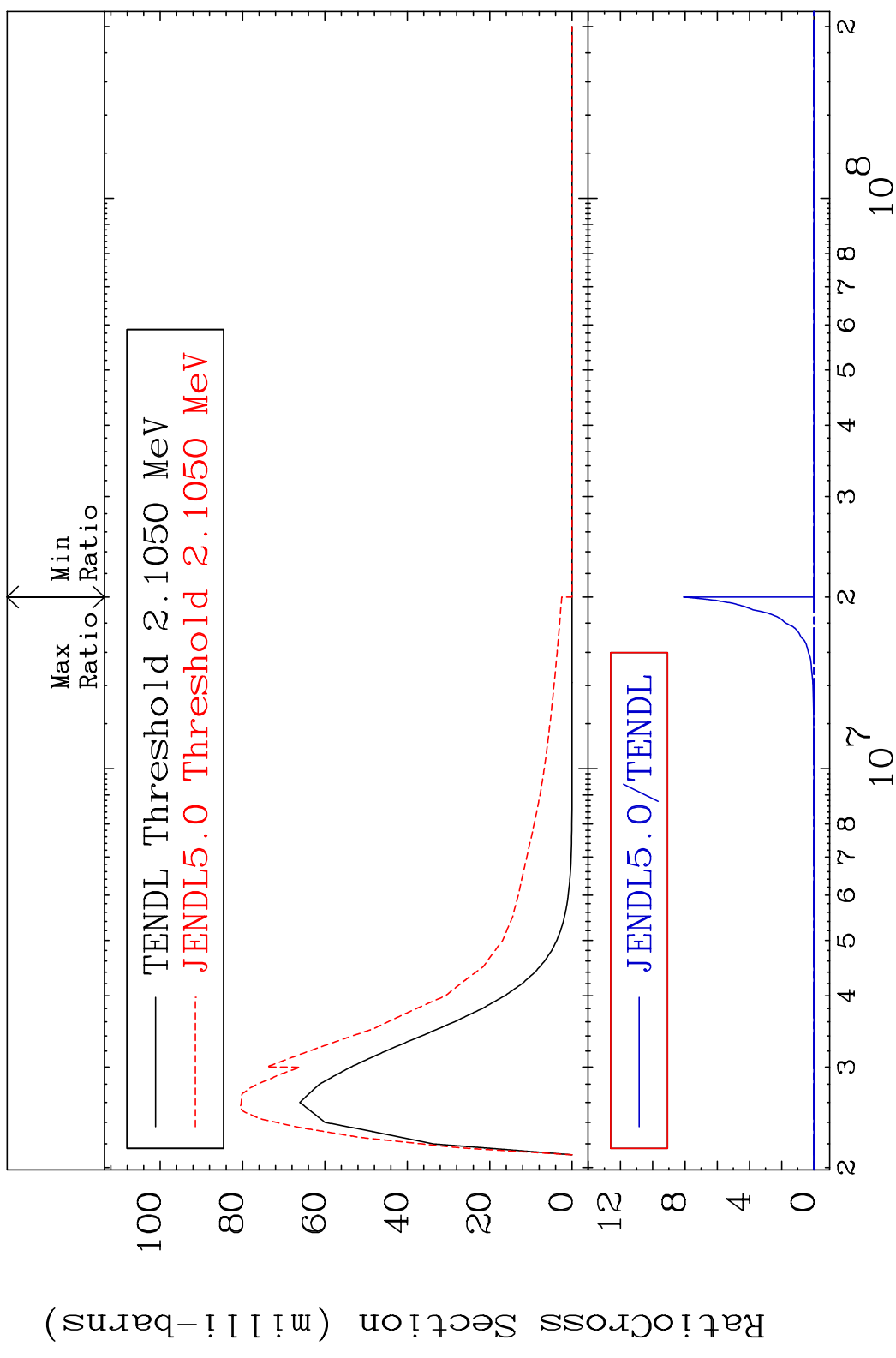




MAT 5055 MT= 51 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 78.87 %

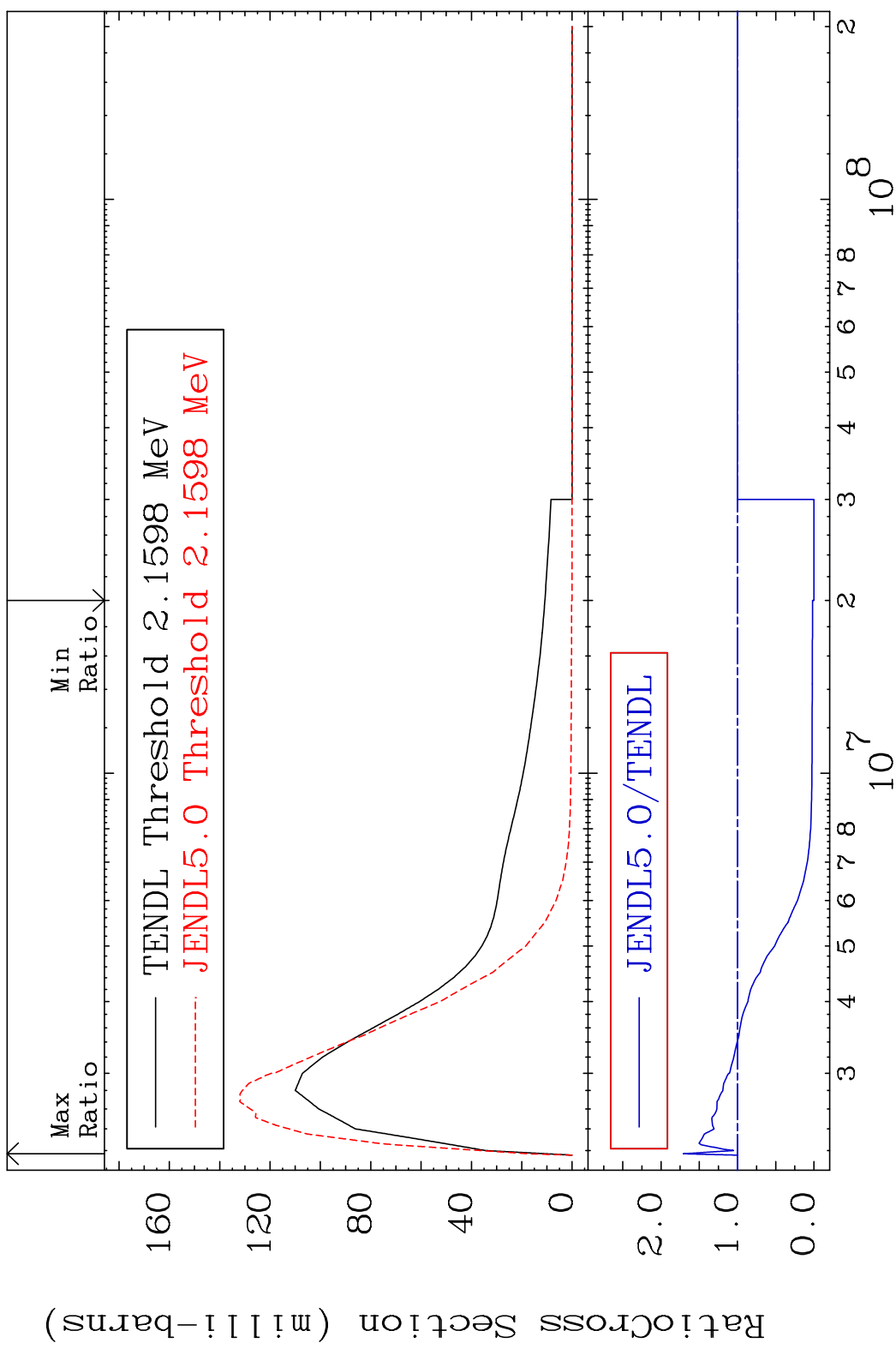


MAT 5055 MT= 52 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



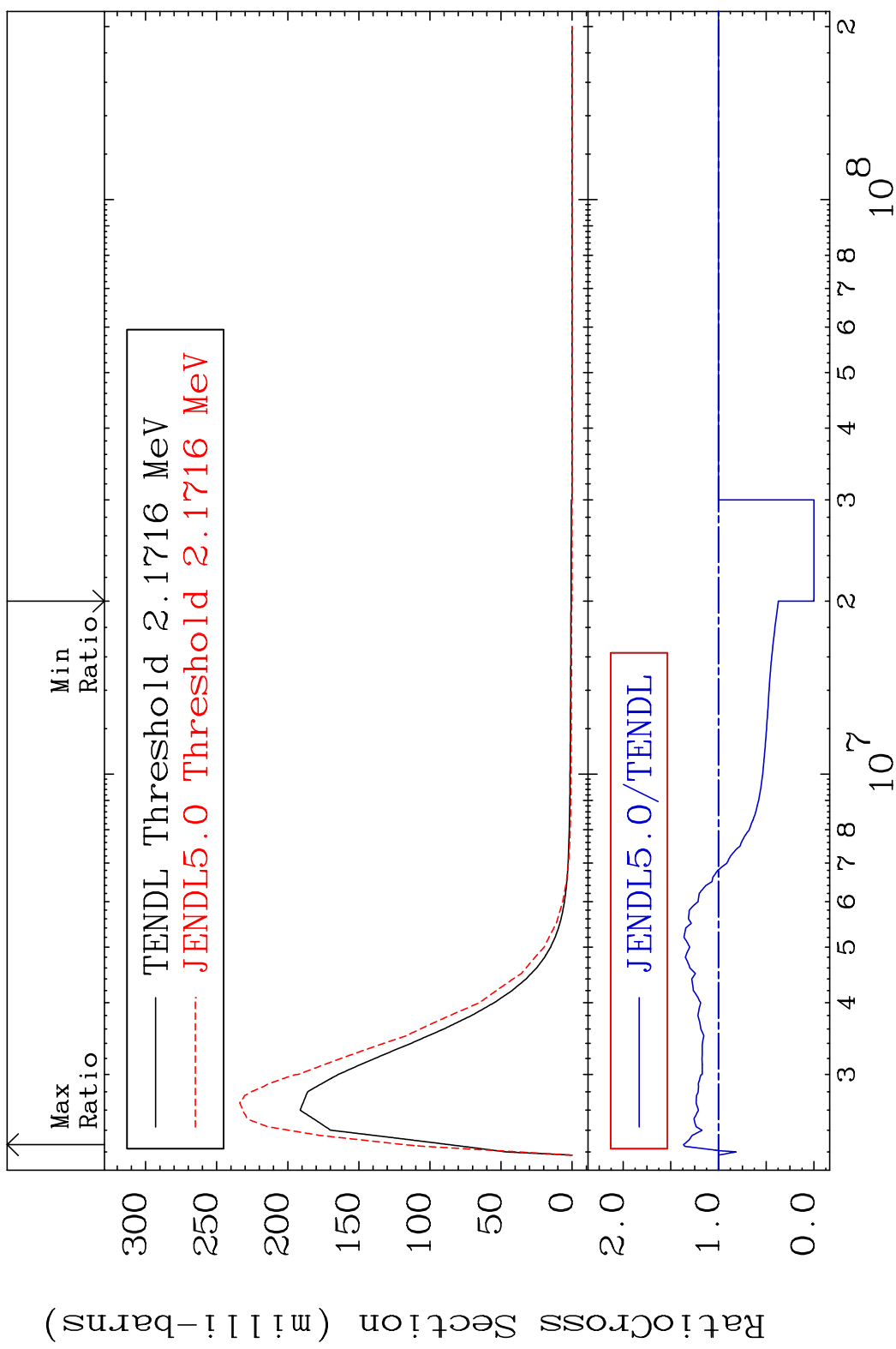
10 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 53 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 70.67 %



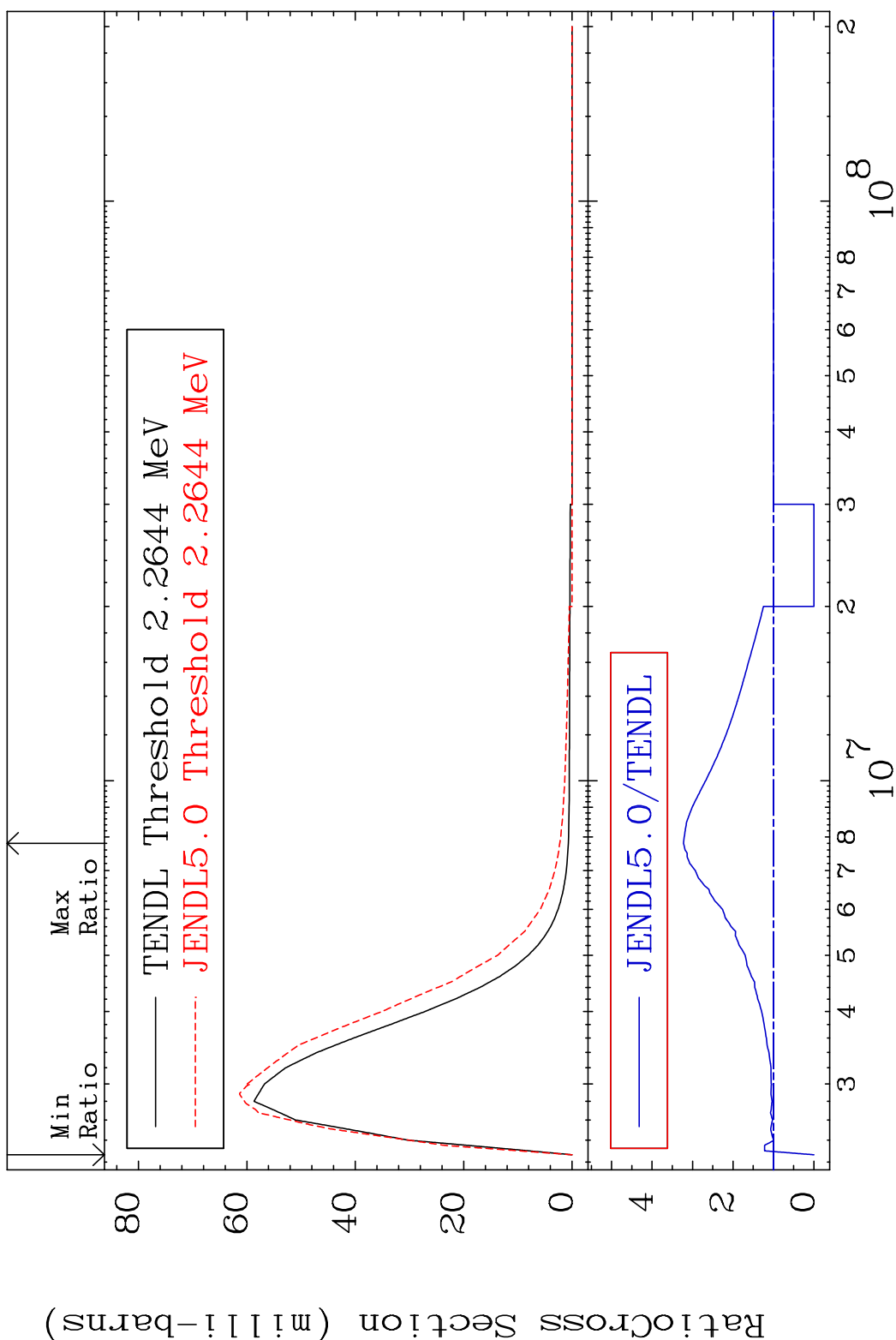
11 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 54 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 36.74 %



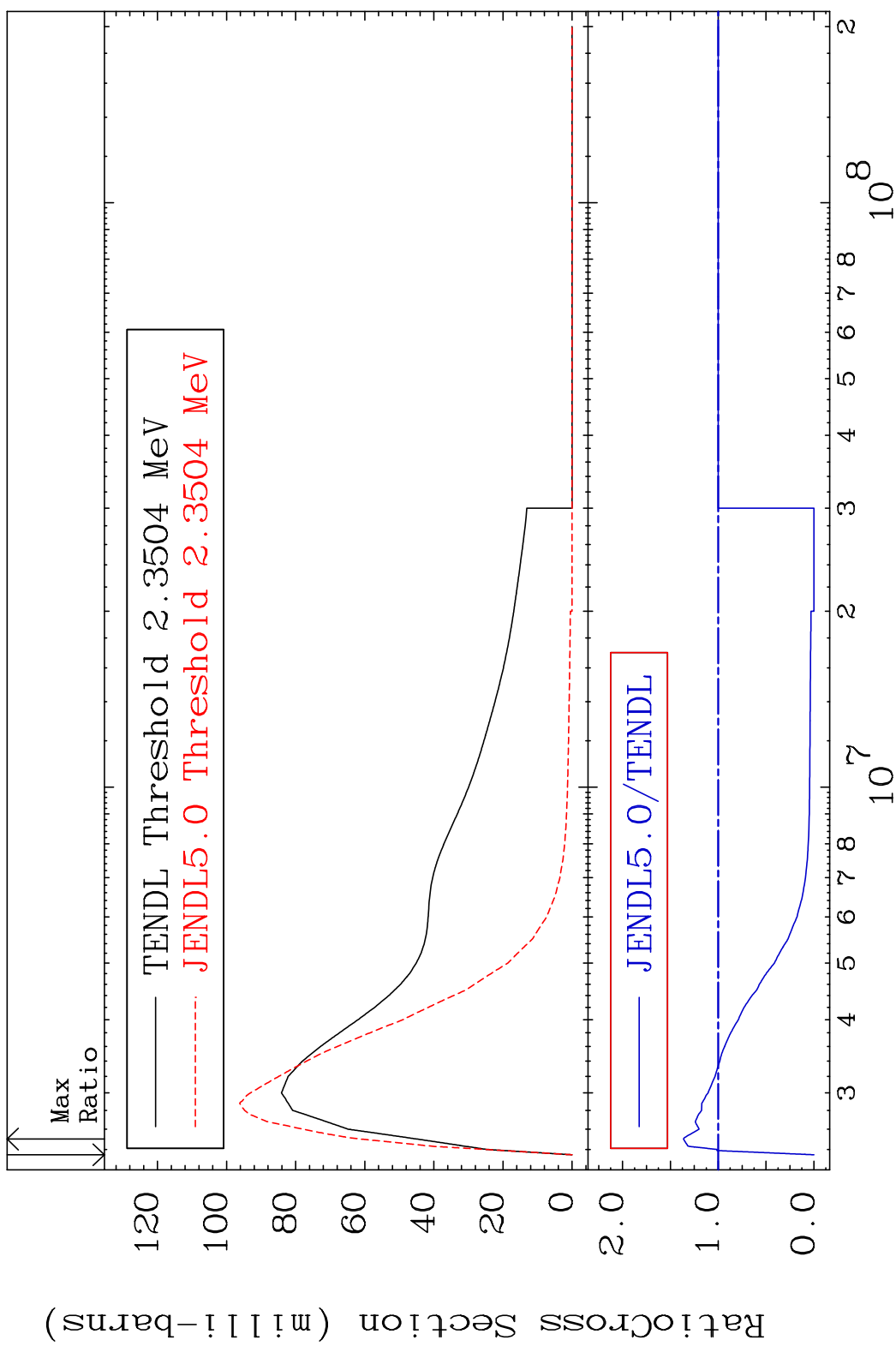
12 50-Sn-122

MAT 5055 MT= 55 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 222.4 %



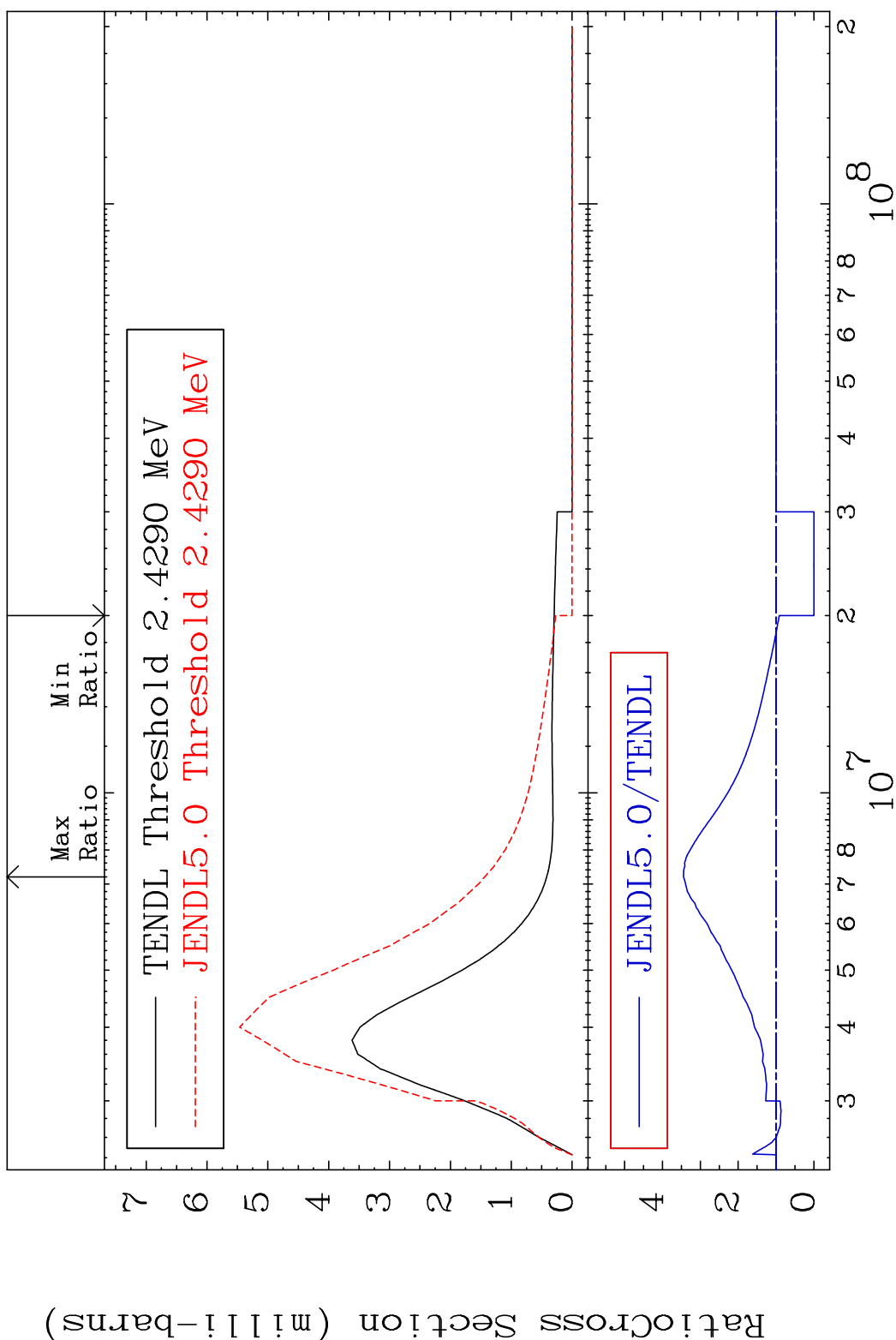
13 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 56 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 36.35 %



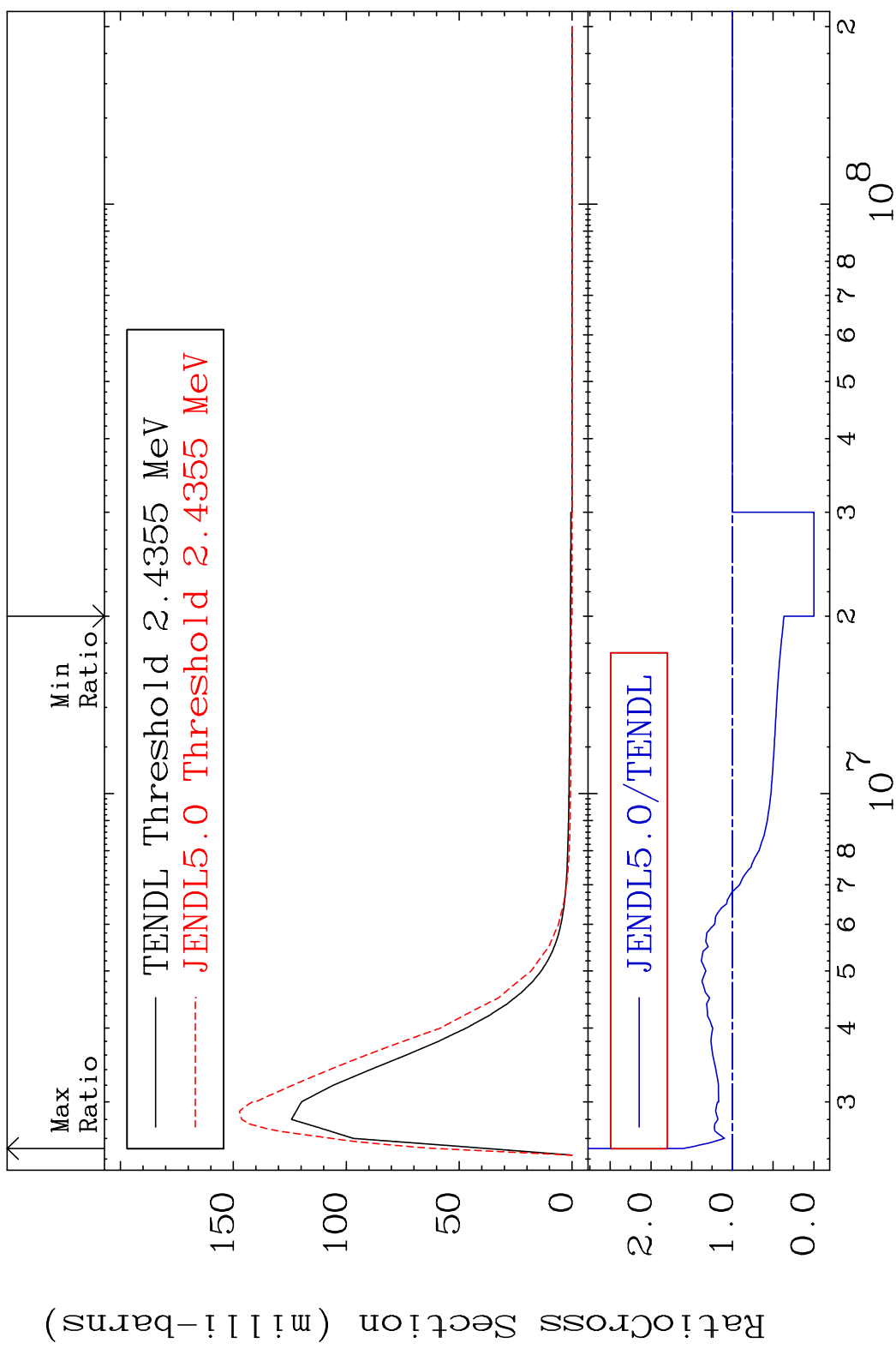
14 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 57 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 244.6 %



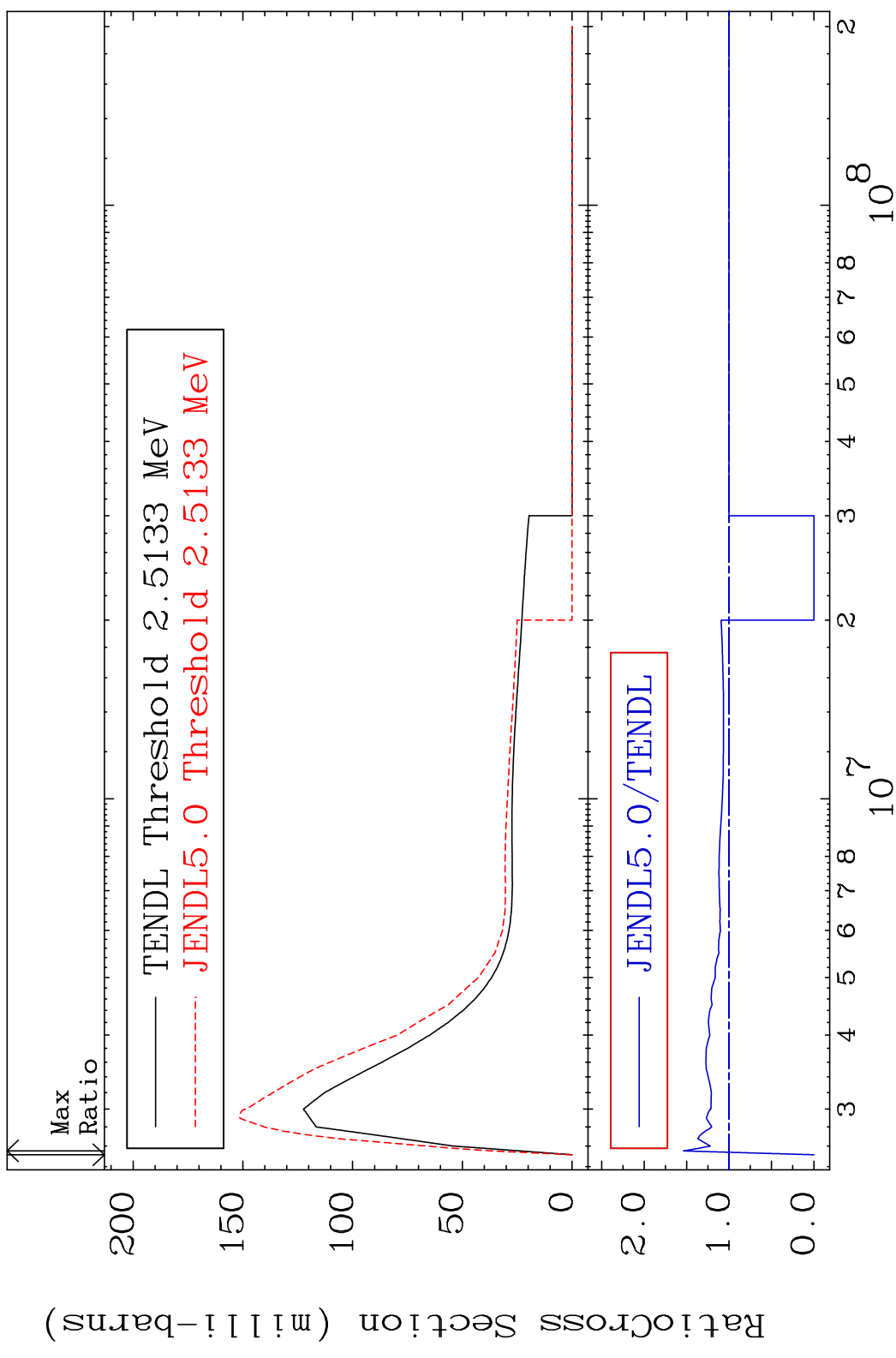
15 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 58 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 60.09 %



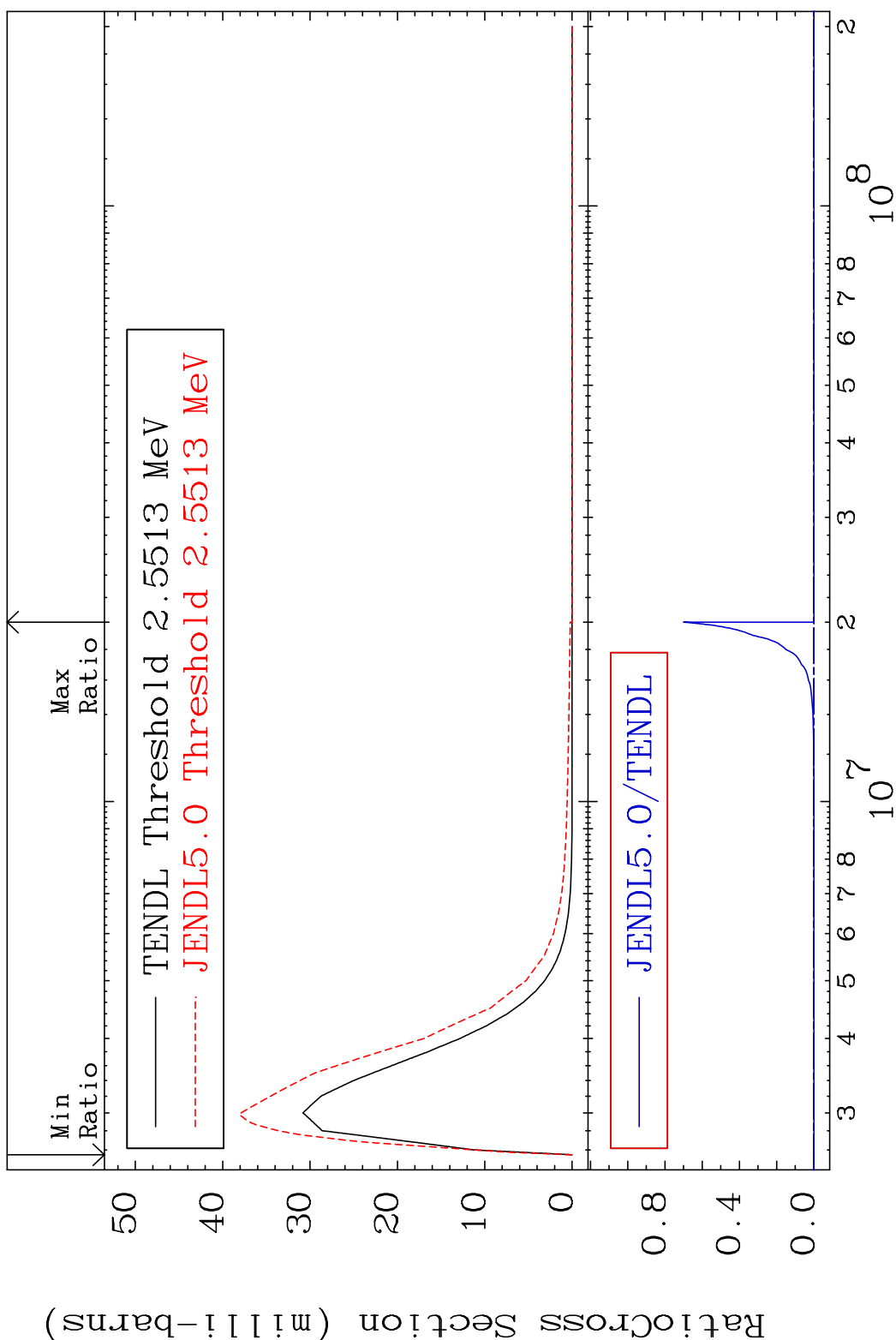
16 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 59 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 53.76 %



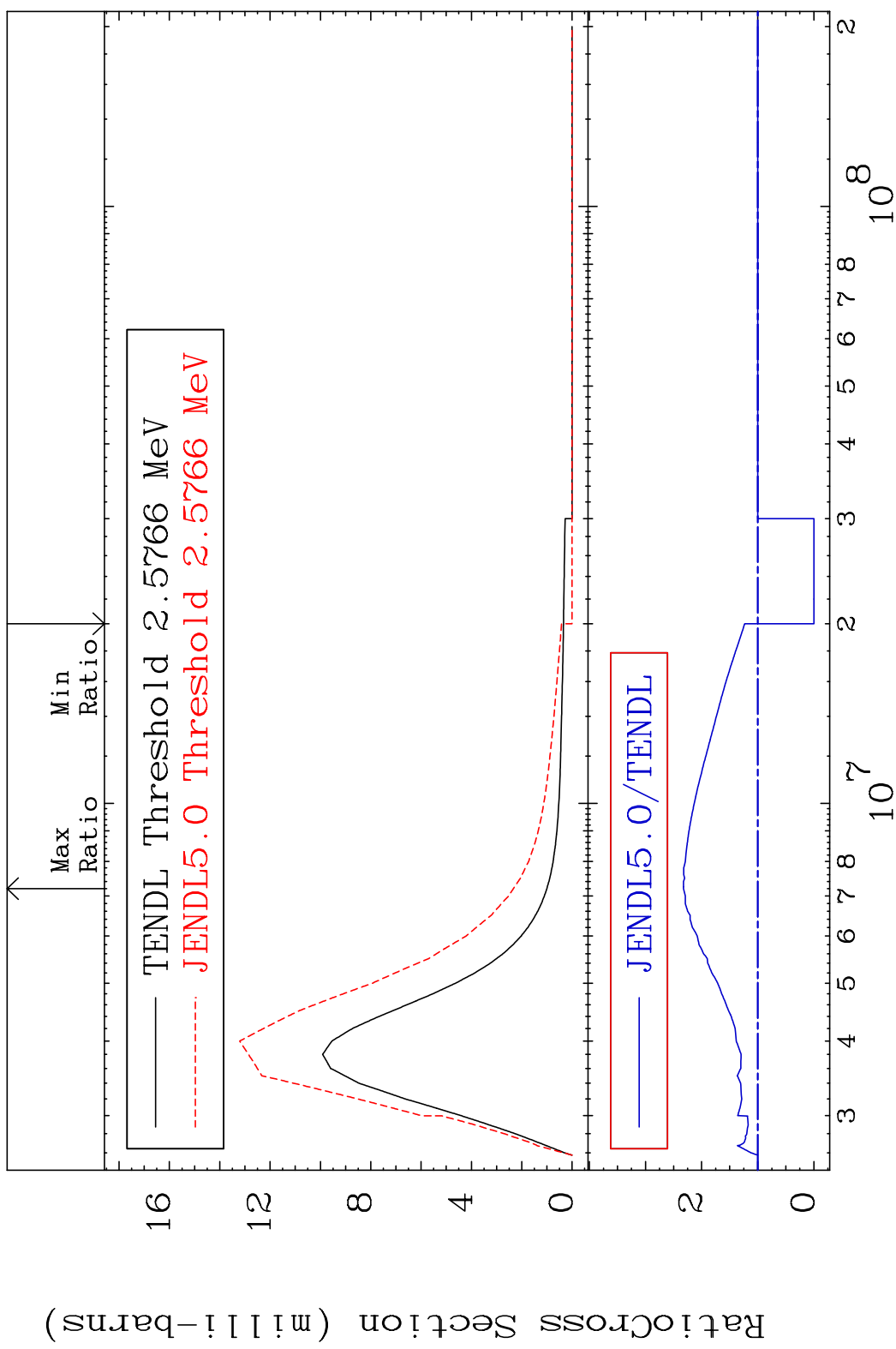
17 50-Sn-122

MAT 5055 MT= 60 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



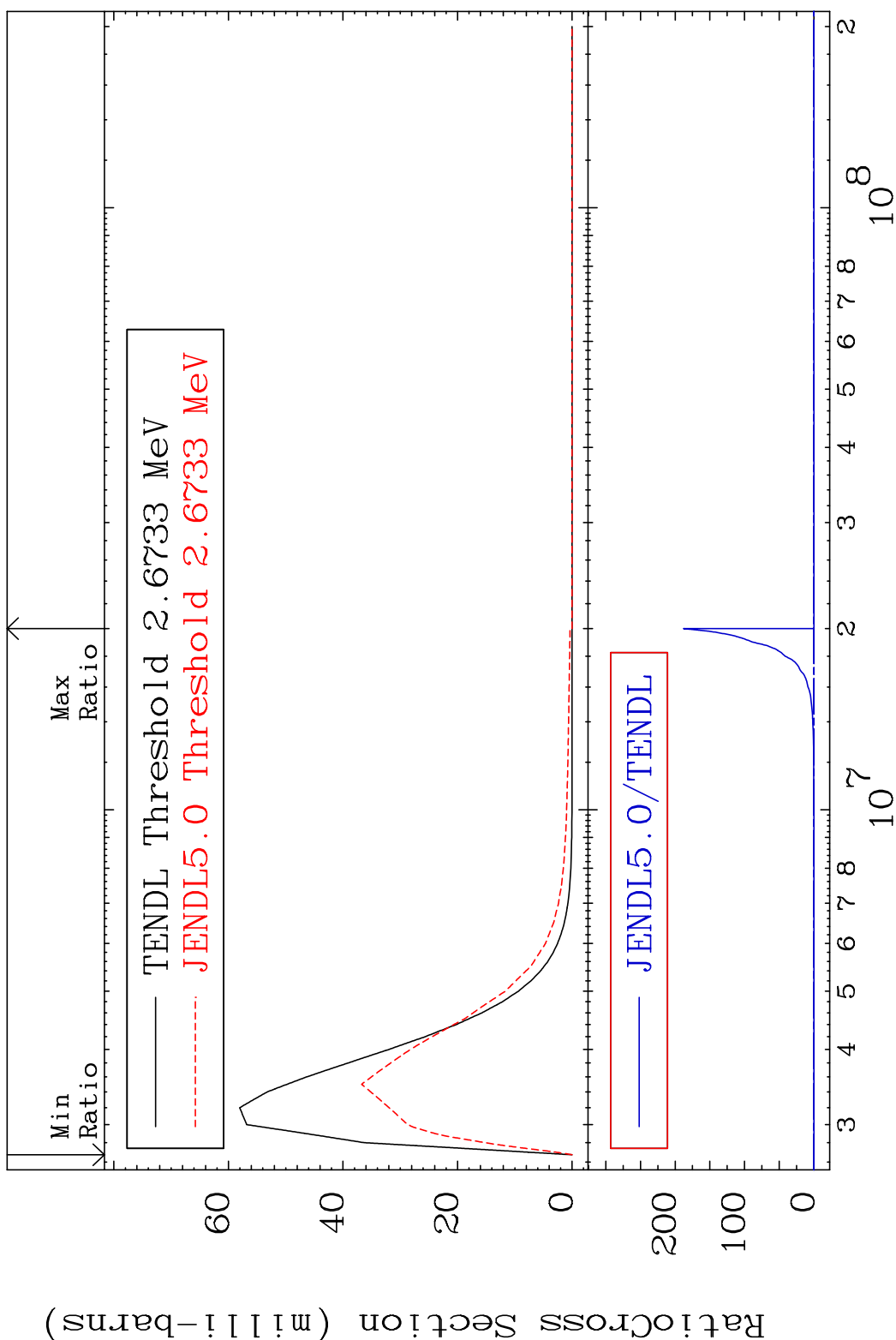
18 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 61 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 132.4 %



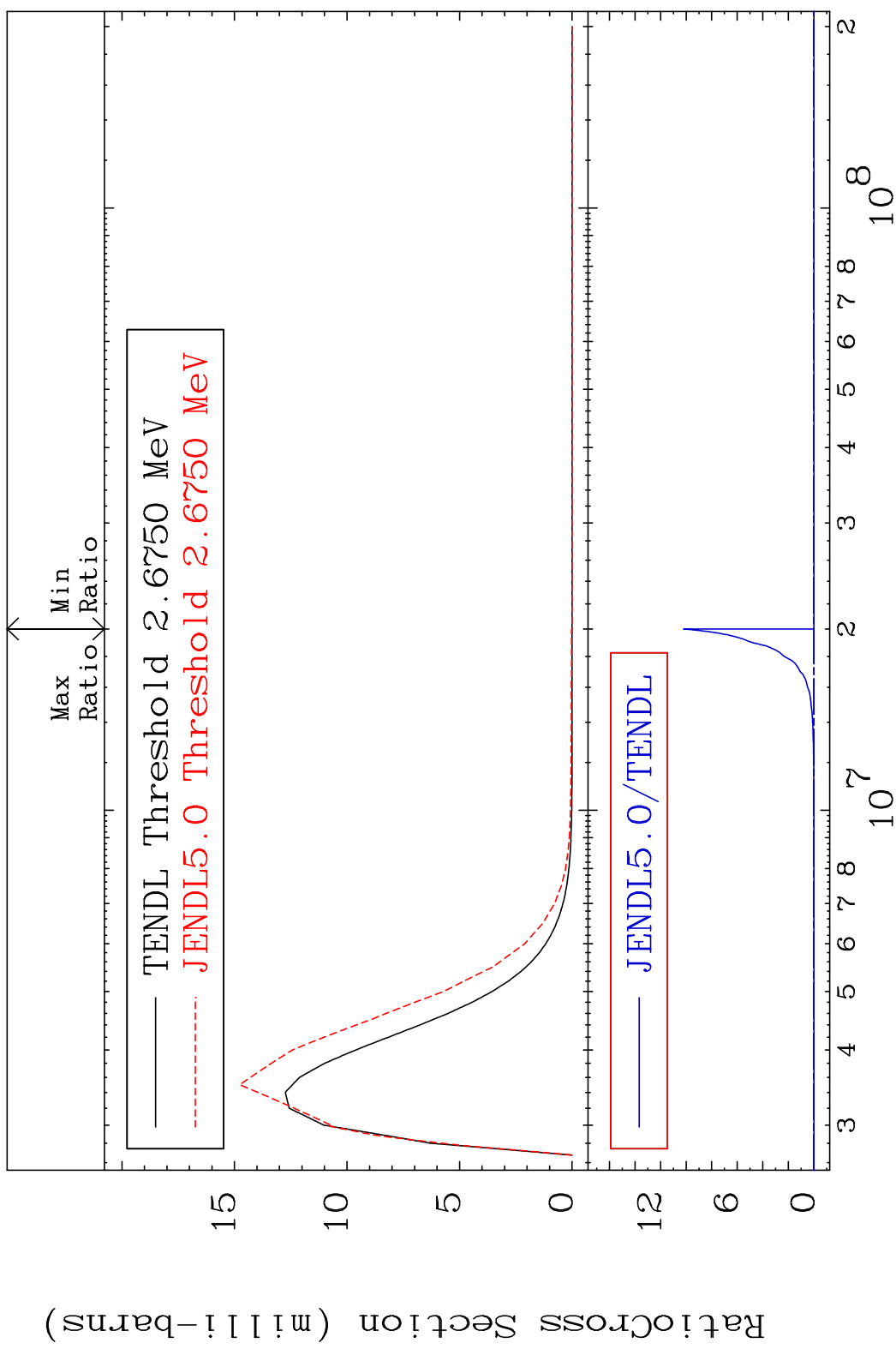
19 50-Sn-122

MAT 5055 MT= 62 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



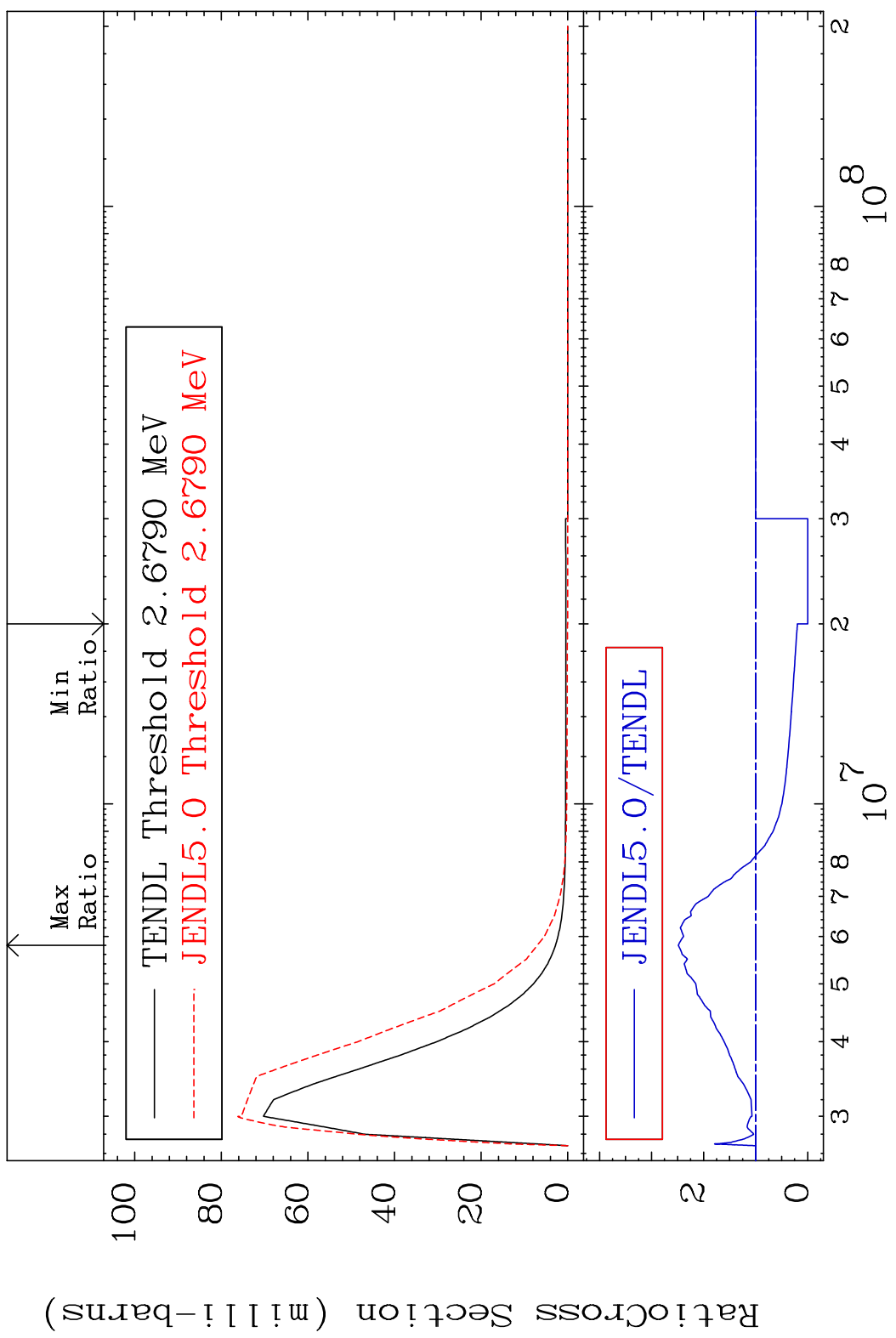
20 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 63 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



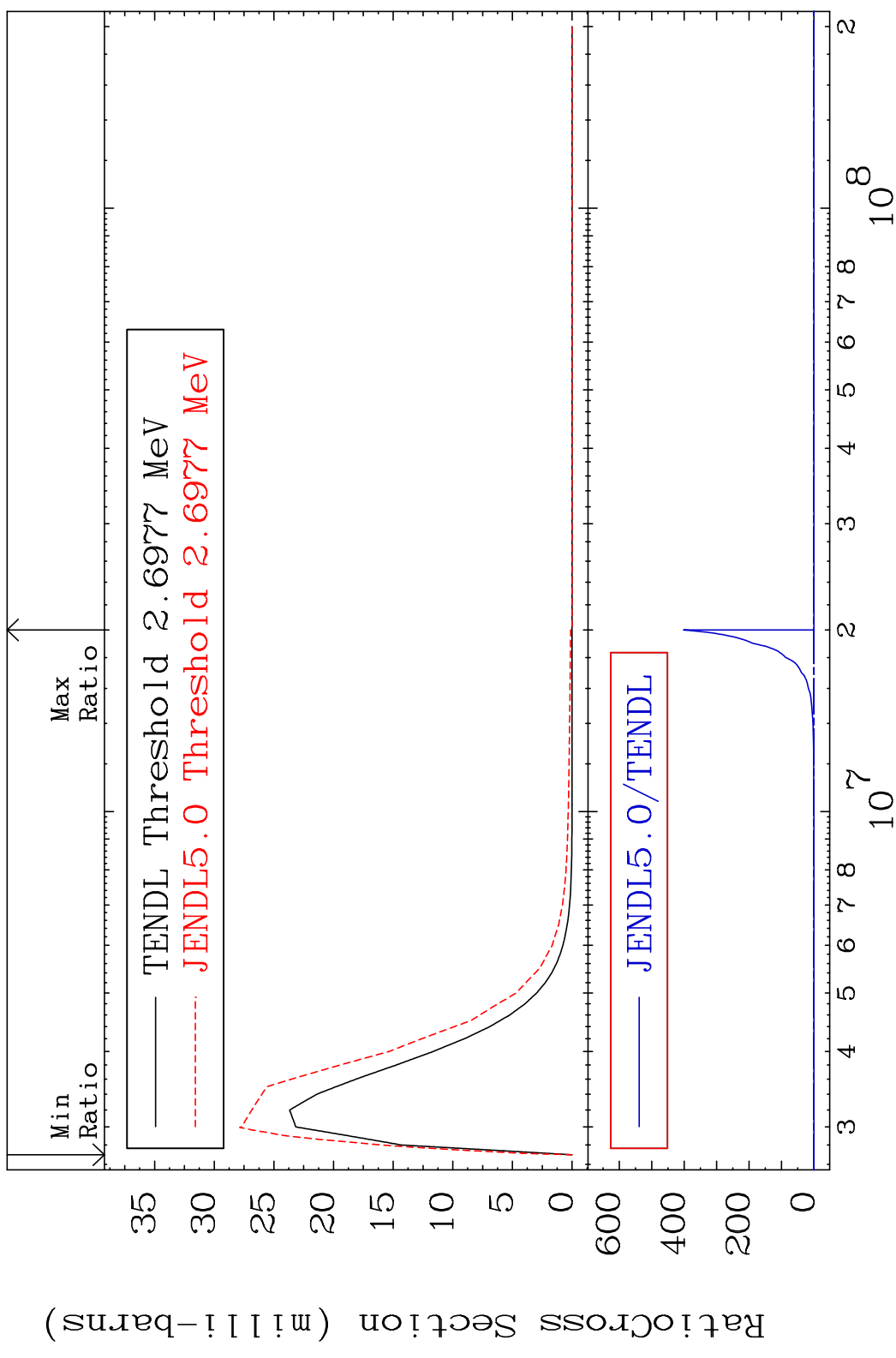
21 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 64 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 148.7 %

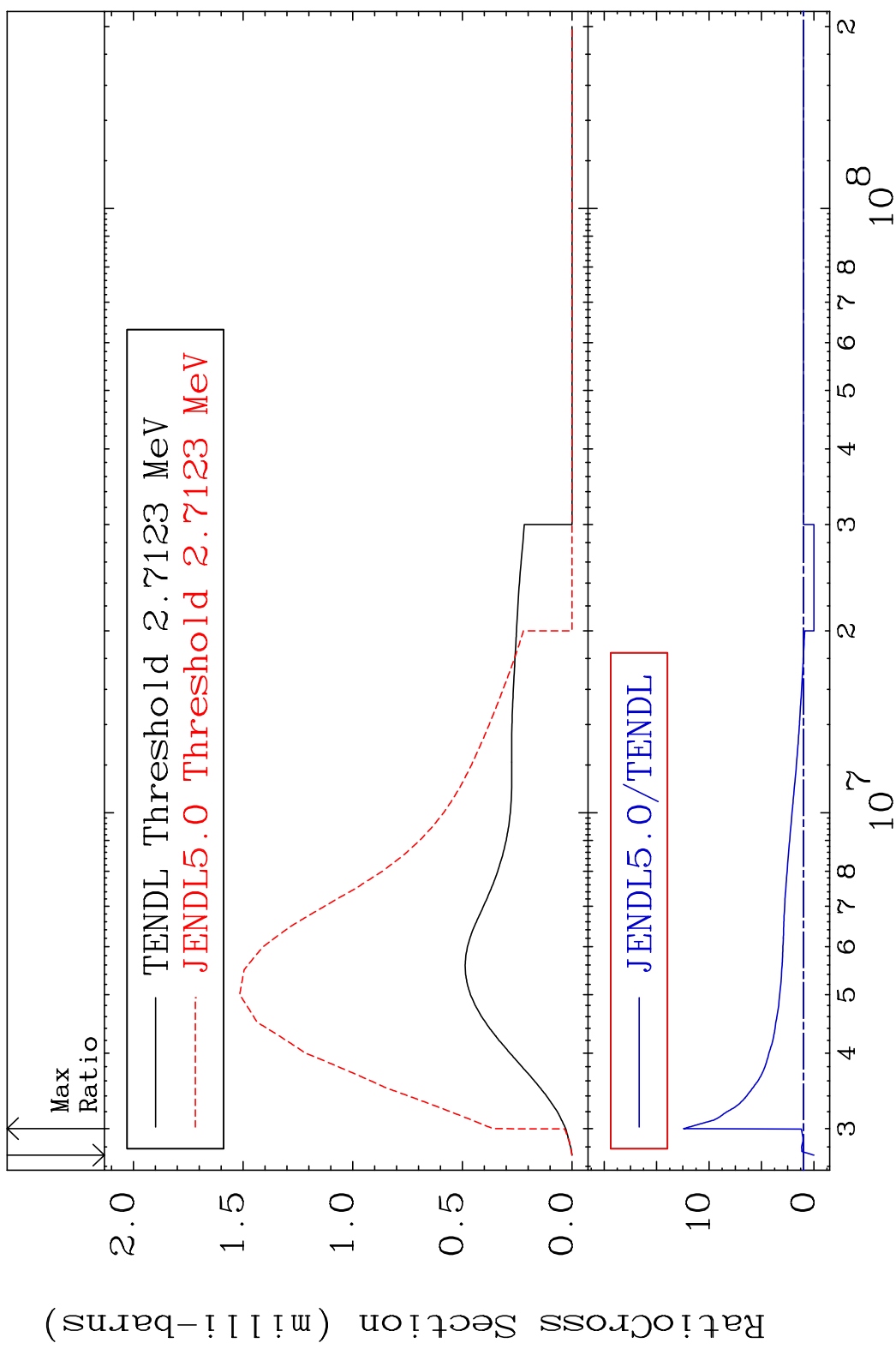


22 Incident Energy (eV) 50-Sn-122

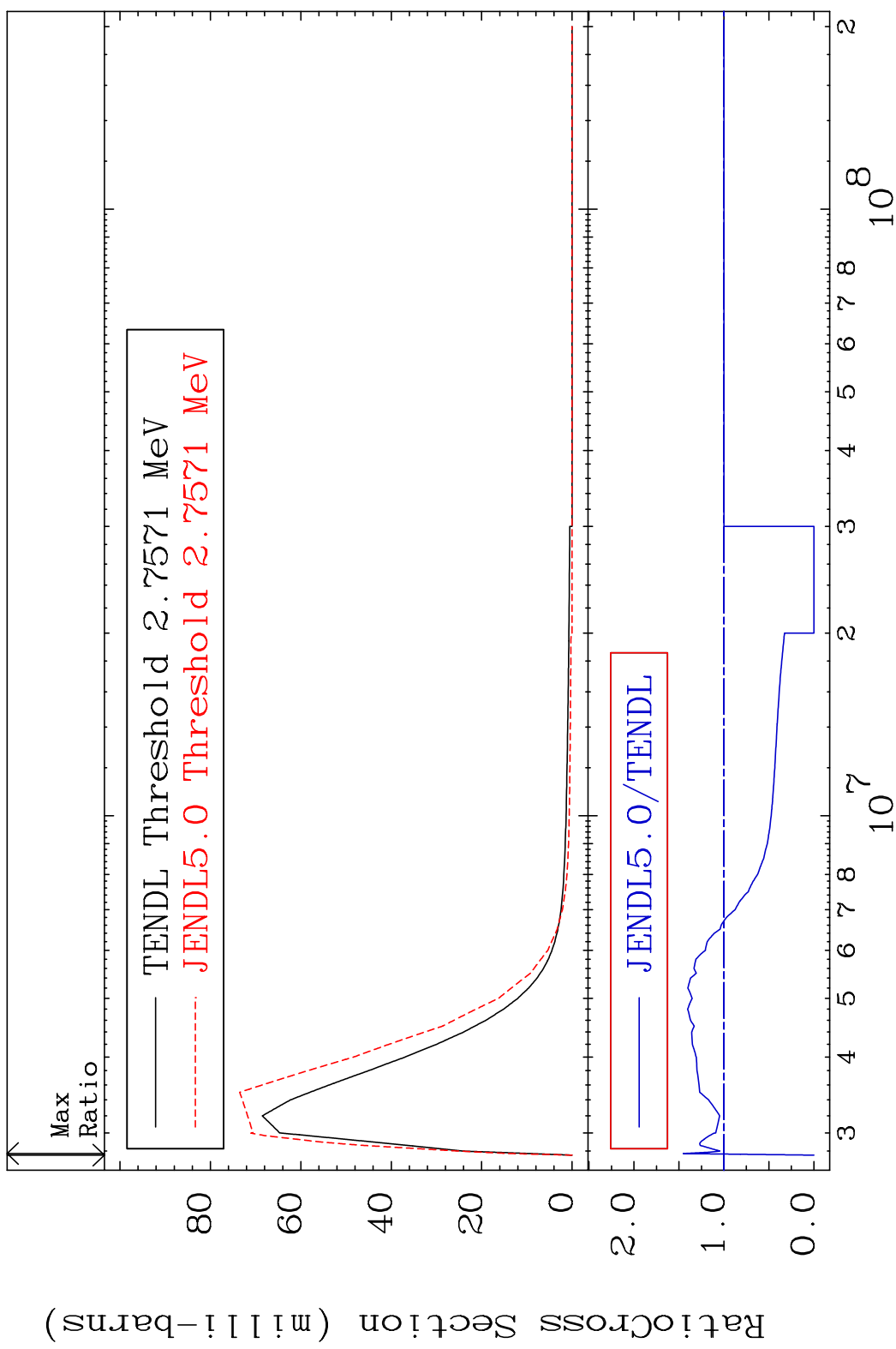
MAT 5055 MT= 65 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



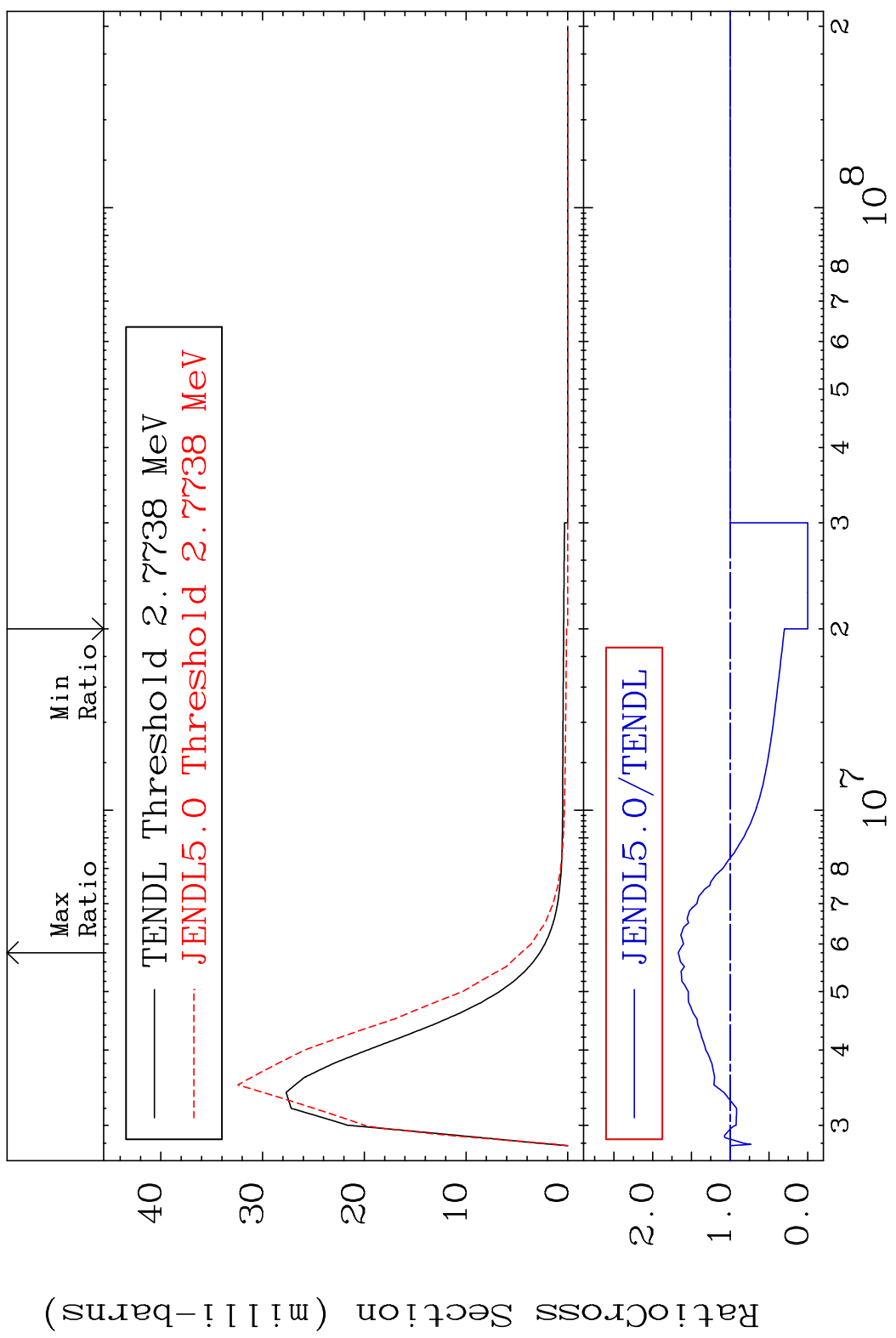
MAT 5055 MT= 66 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 1144. %



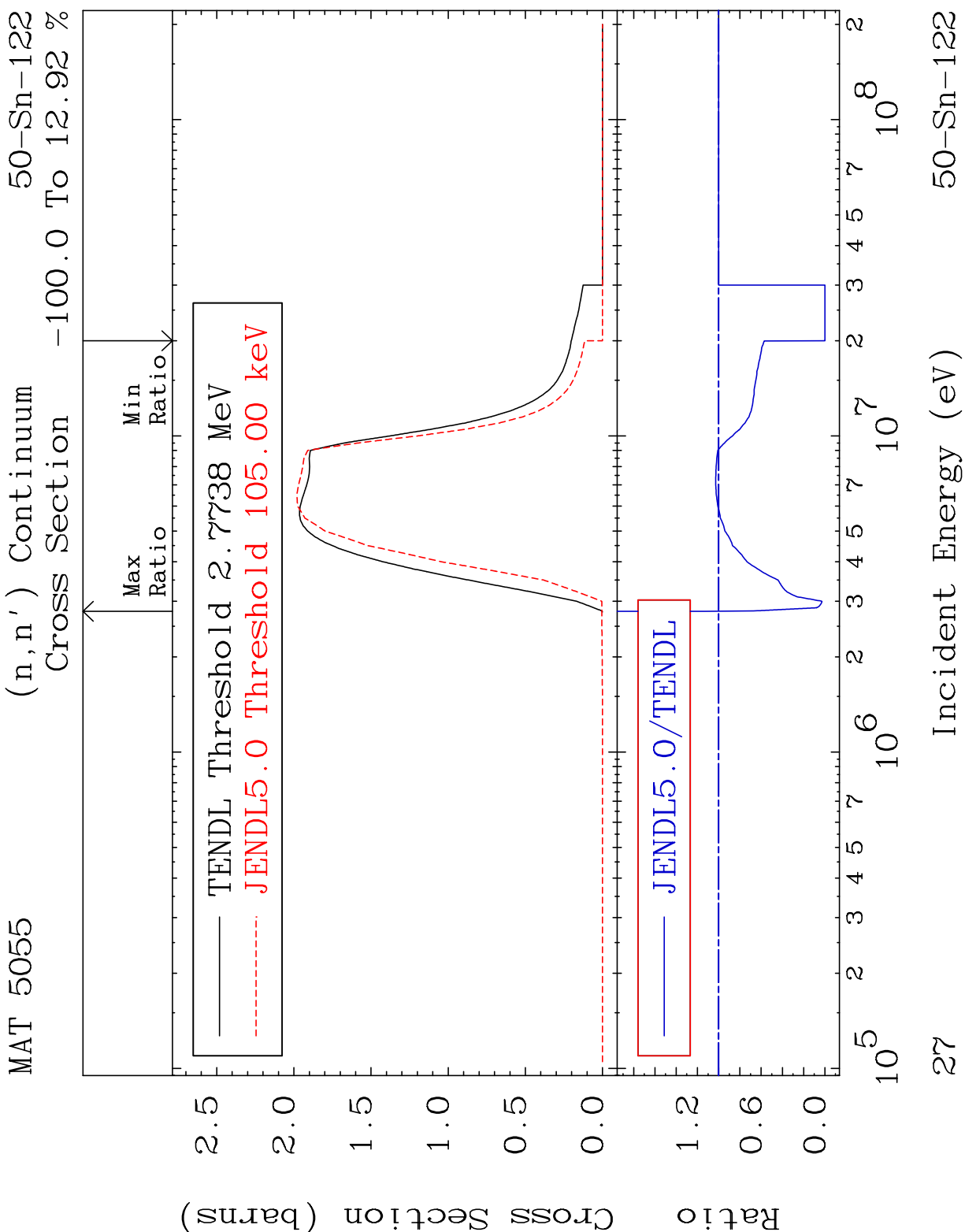
MAT 5055 MT= 67 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 44.99 %

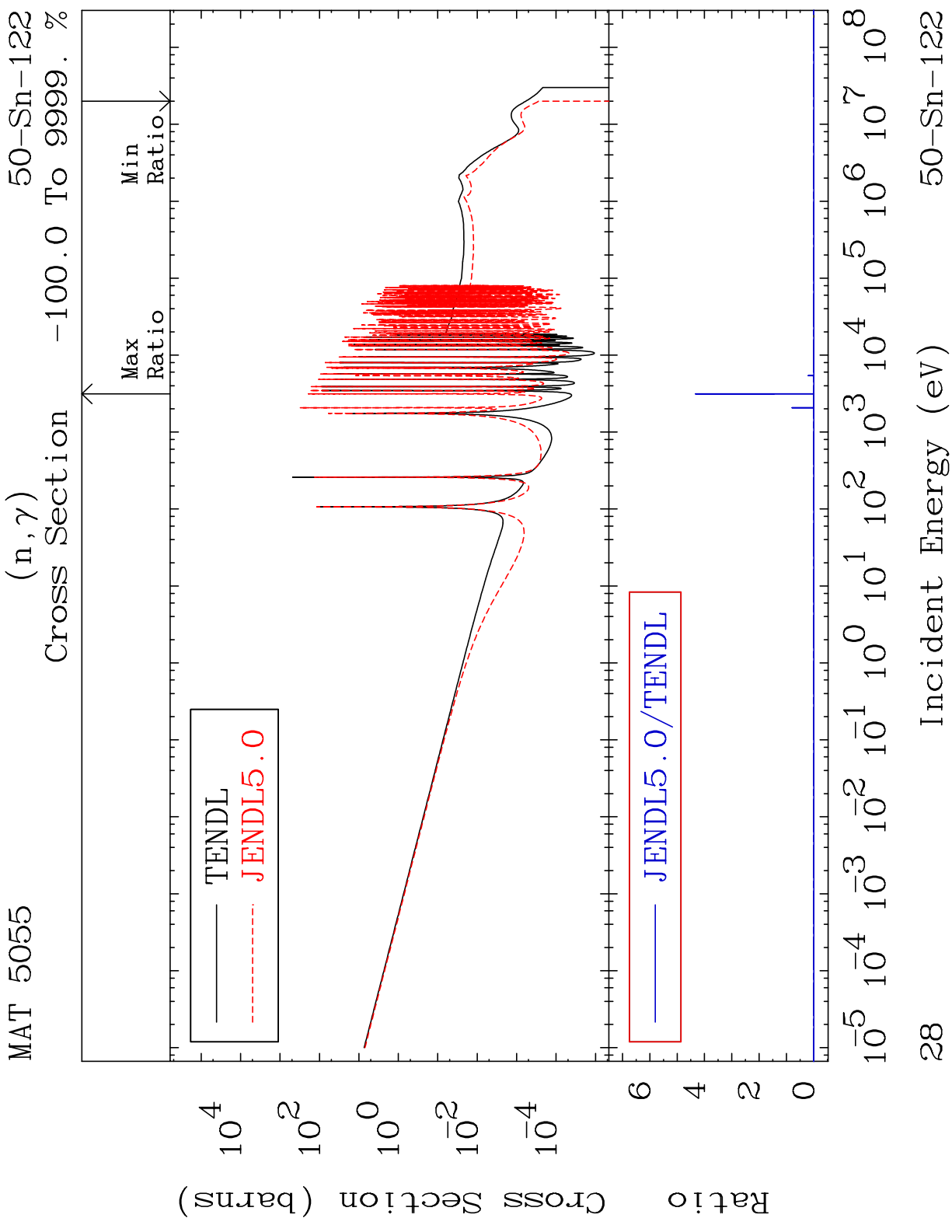


MAT 5055 MT= 68 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 67.00 %

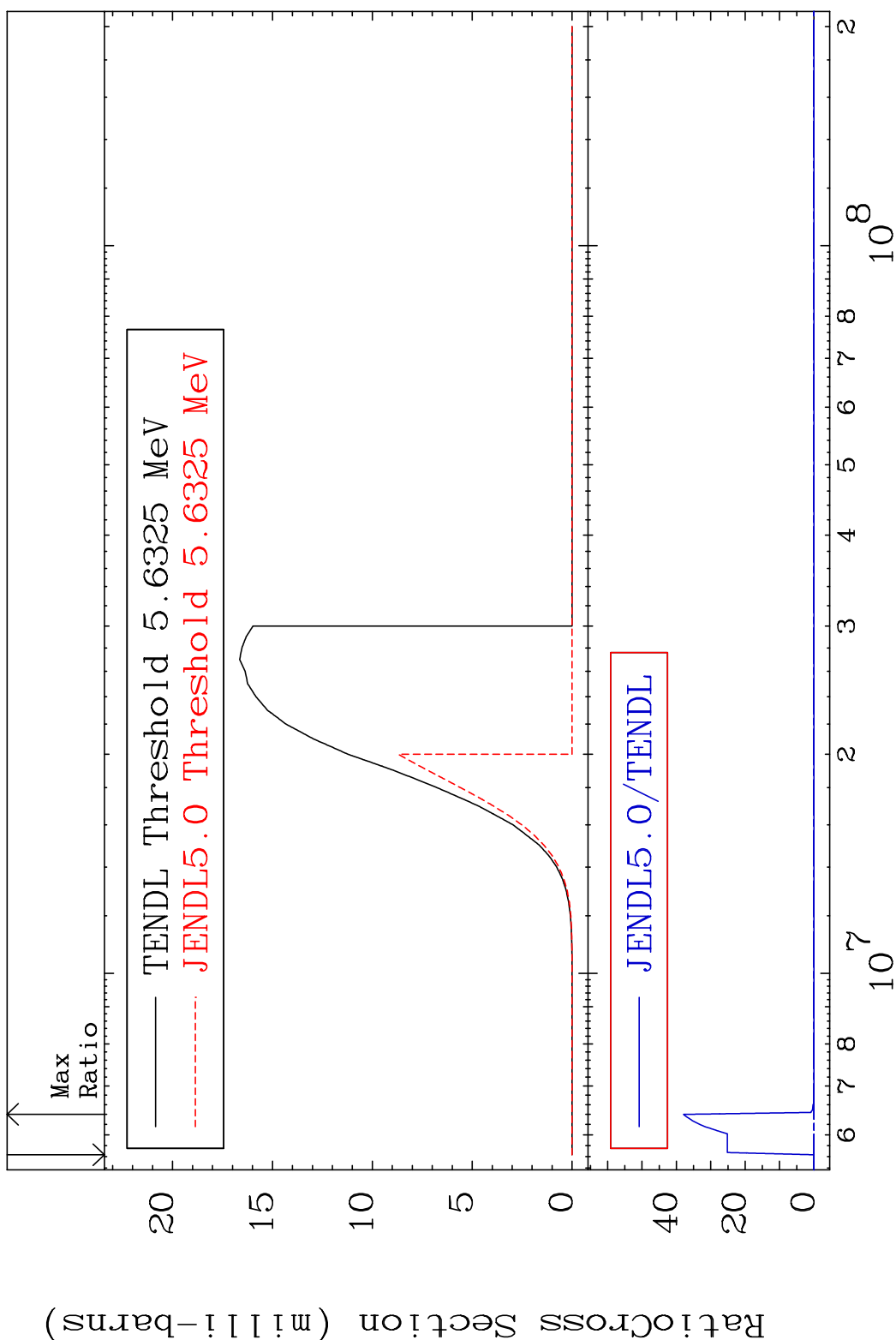


26 Incident Energy (eV) 50-Sn-122



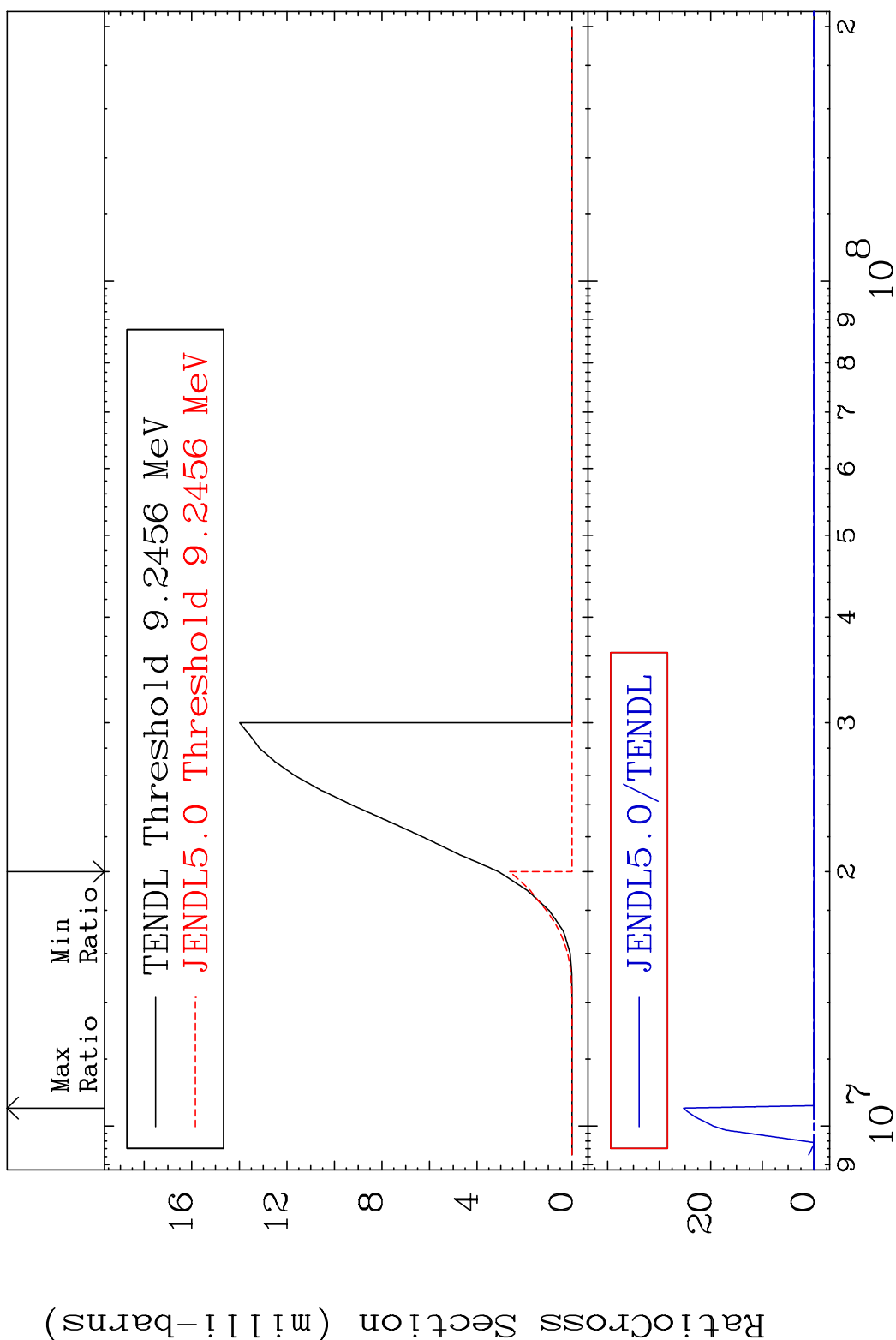


MAT 5055 (n,p) 50-Sn-122
 Cross Section -100.0 To 9999. %



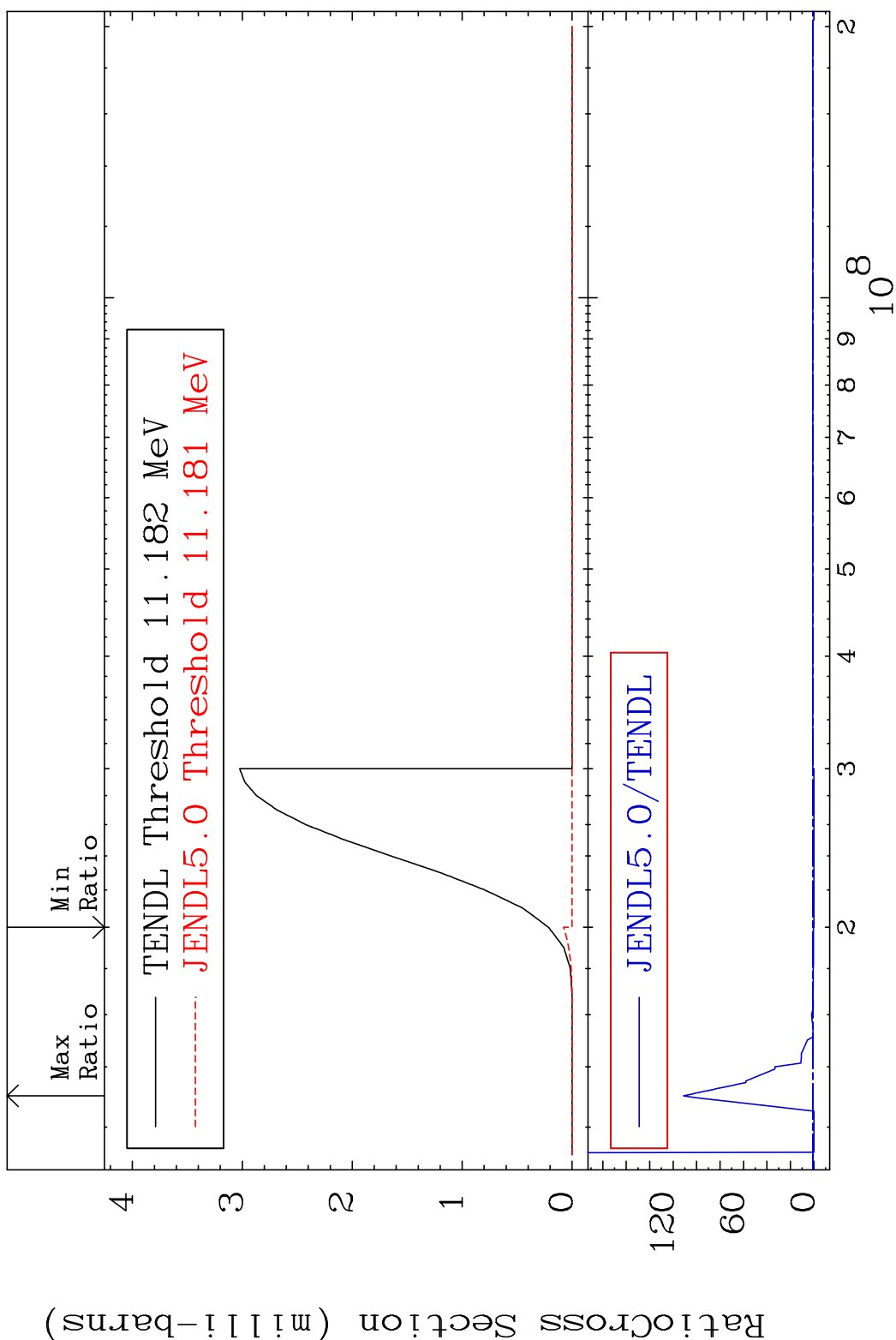
29 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, d) 50-Sn-122
 Cross Section -100.0 To 9999. %

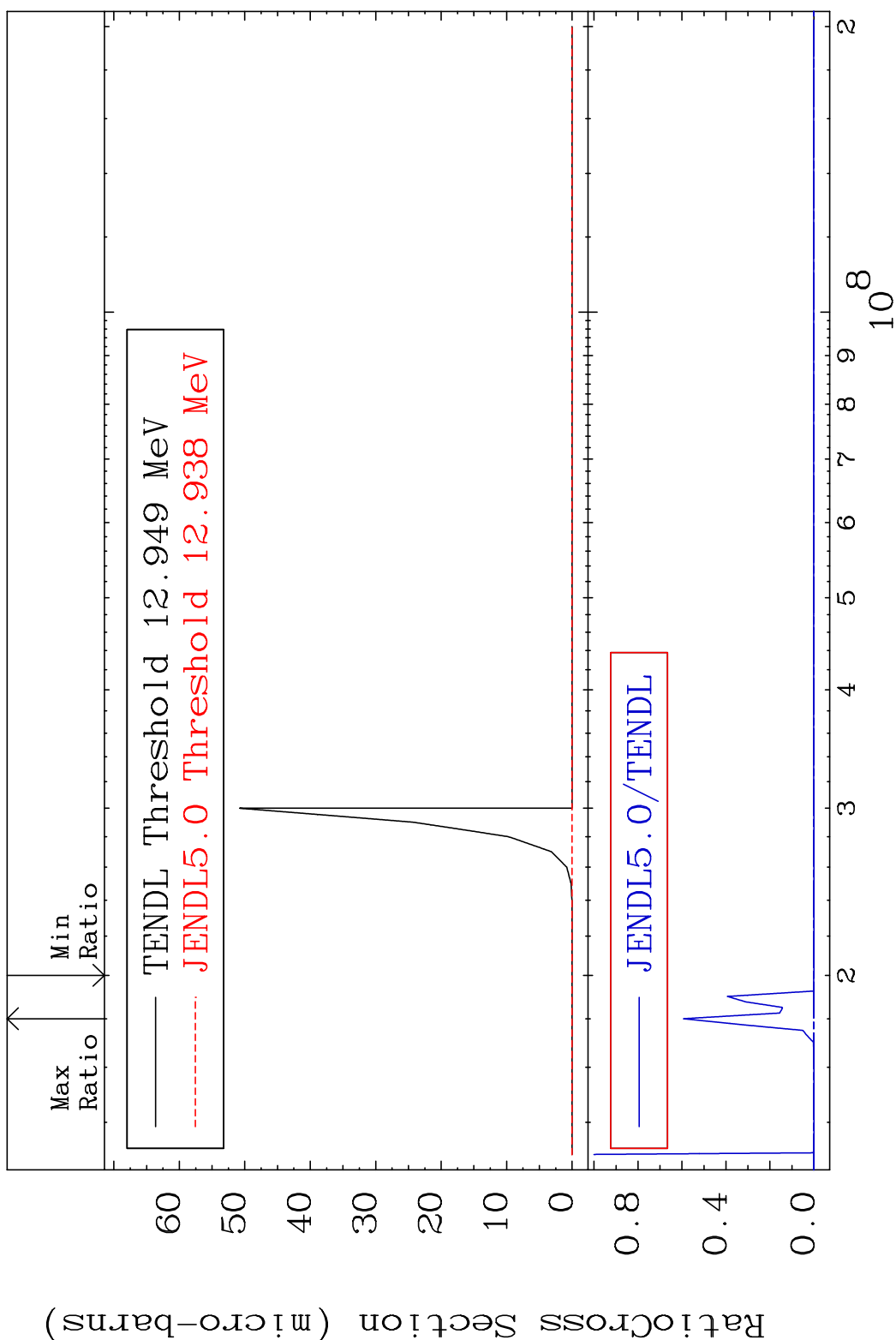


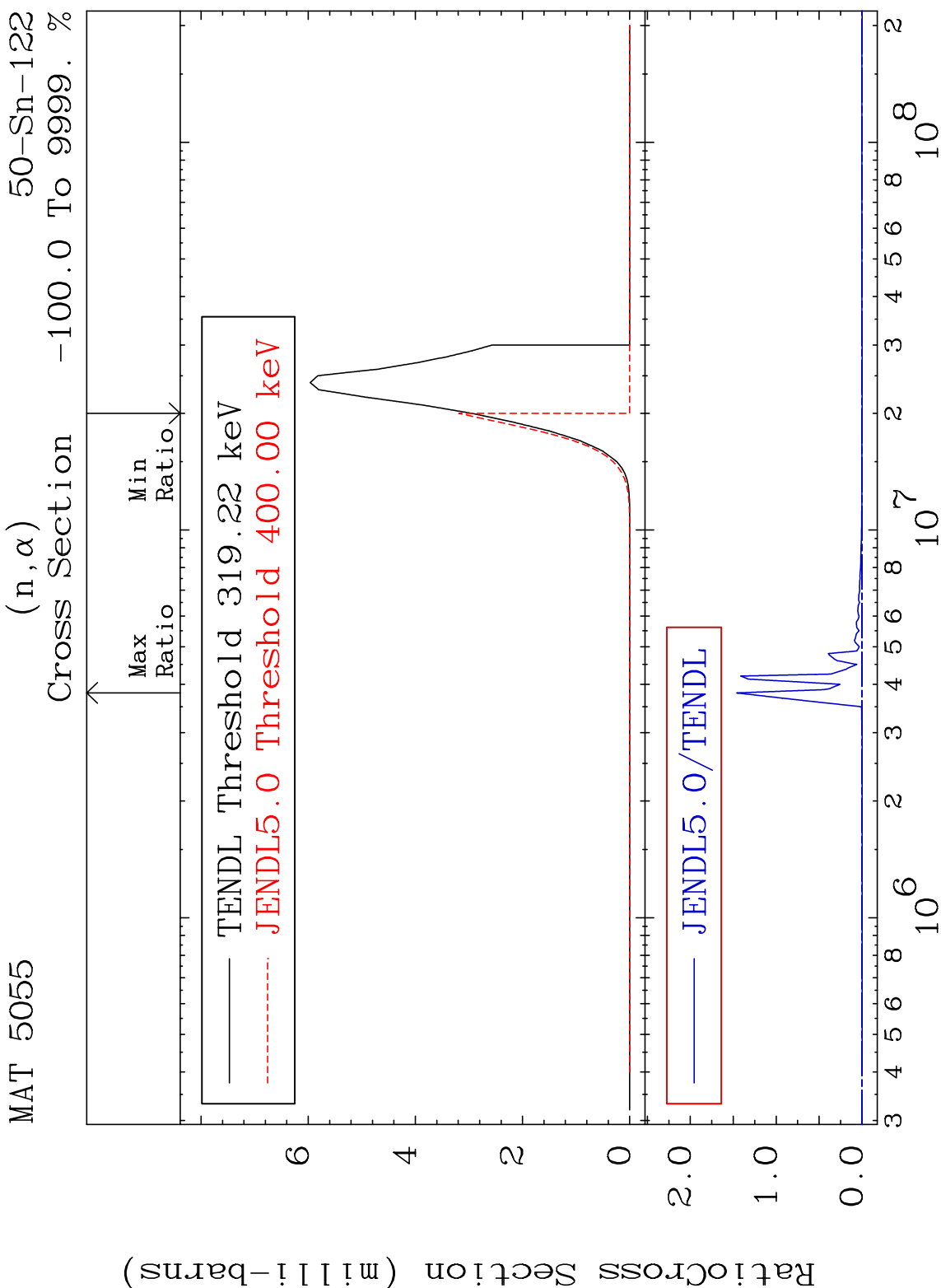
30 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, t) 50-Sn-122
 Cross Section -100.0 To 9999. %

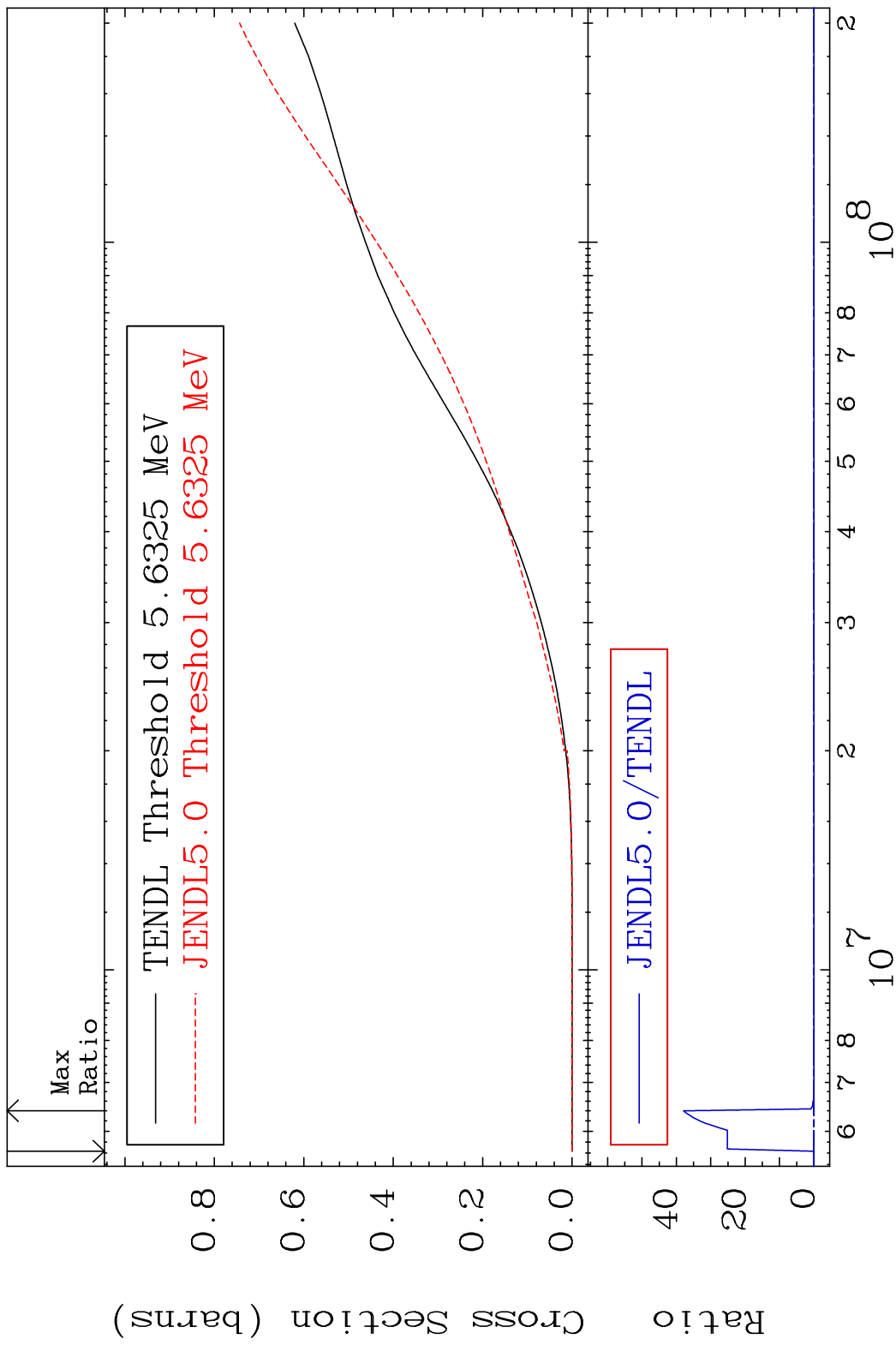


MAT 5055 (n, He-3) 50-Sn-122
 Cross Section -100.0 To 9999. %

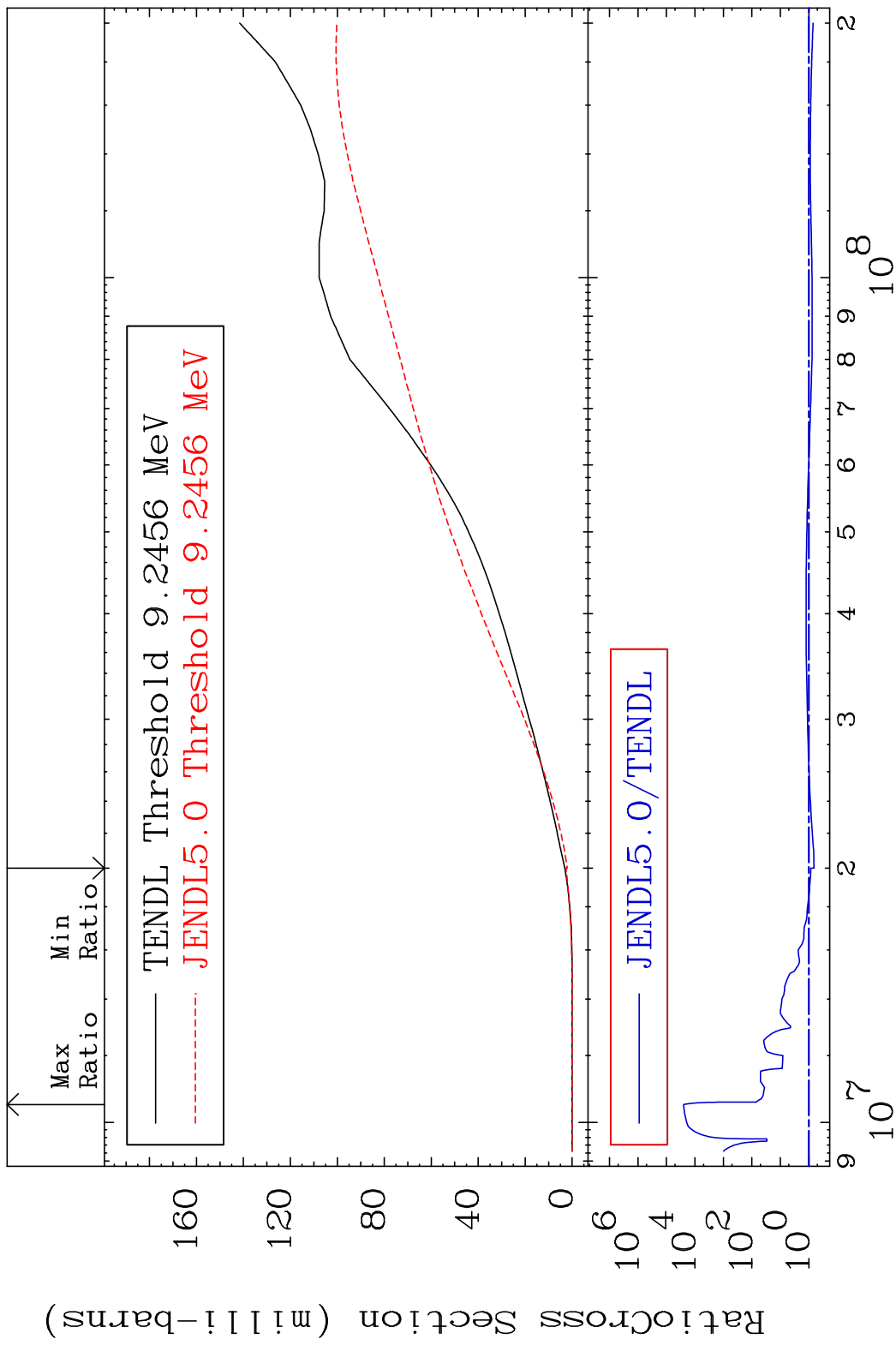




MAT 5055 Hydrogen Production 50-Sn-122
 Cross Section -100.0 To 9999. %

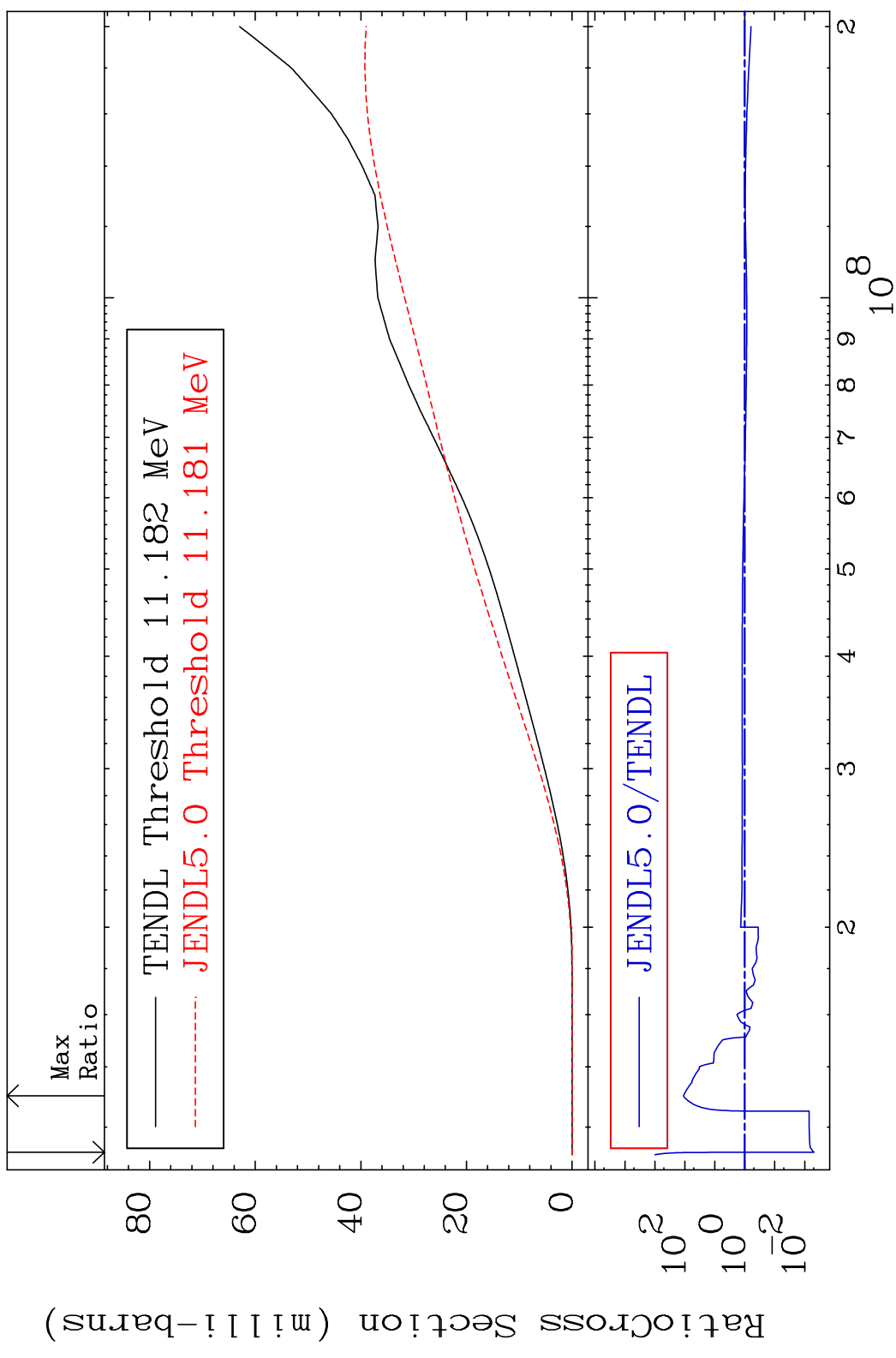


MAT 5055 Deuterium Production 50-Sn-122
Cross Section -33.63 To 9999. %



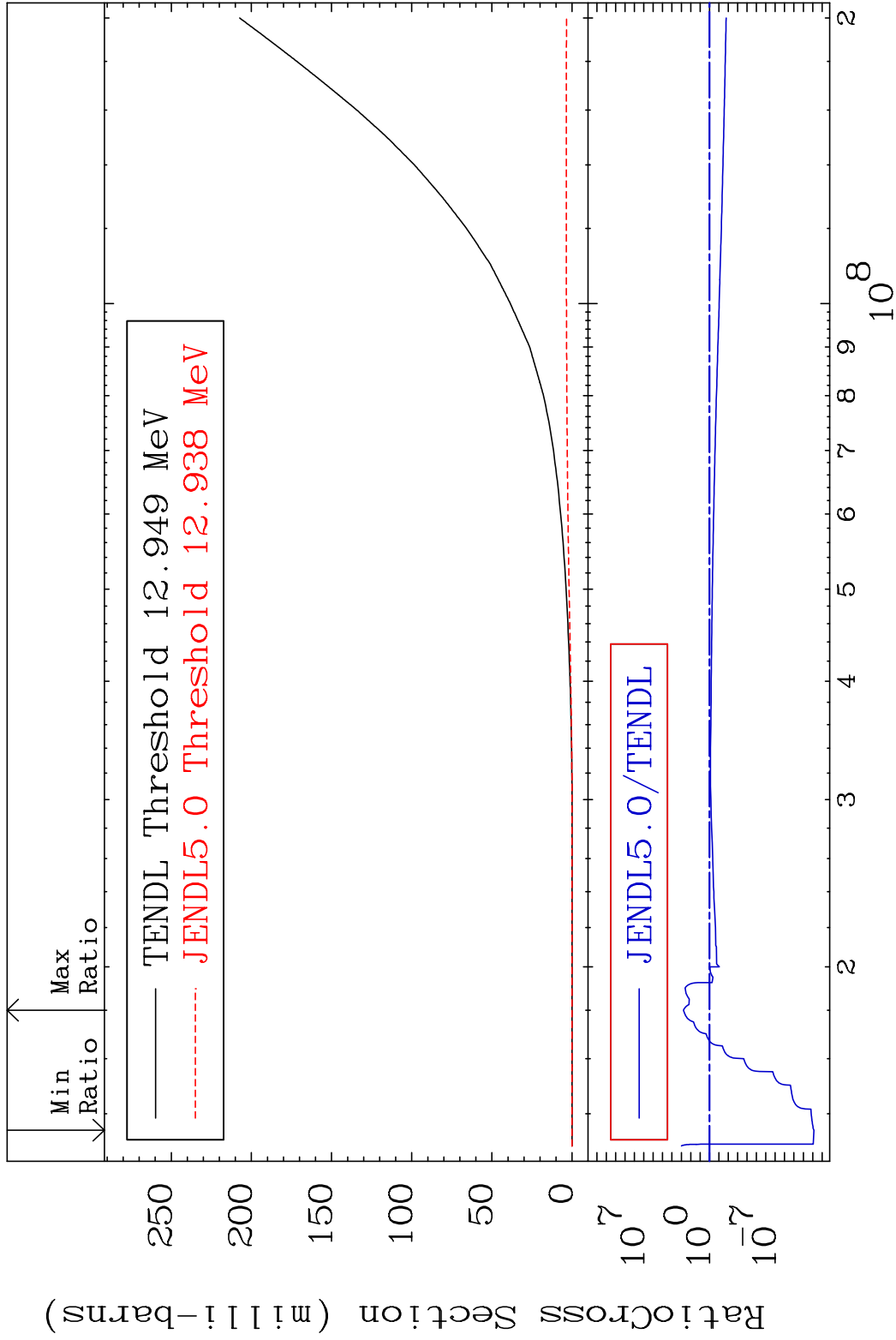
35 Incident Energy (eV) 50-Sn-122

MAT 5055 Tritium Production 50-Sn-122
 Cross Section -99.51 To 9999. %

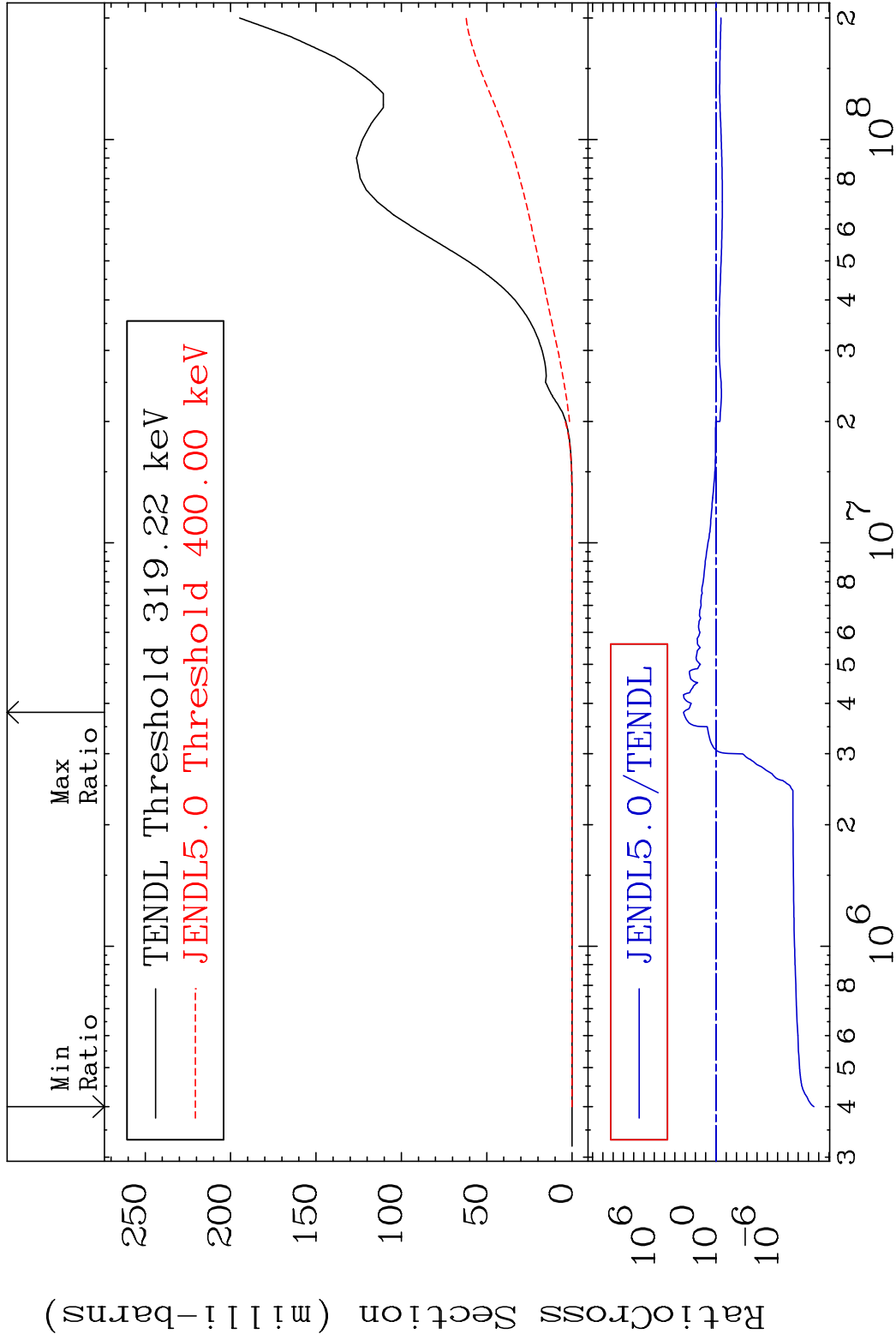


36 Incident Energy (eV) 50-Sn-122

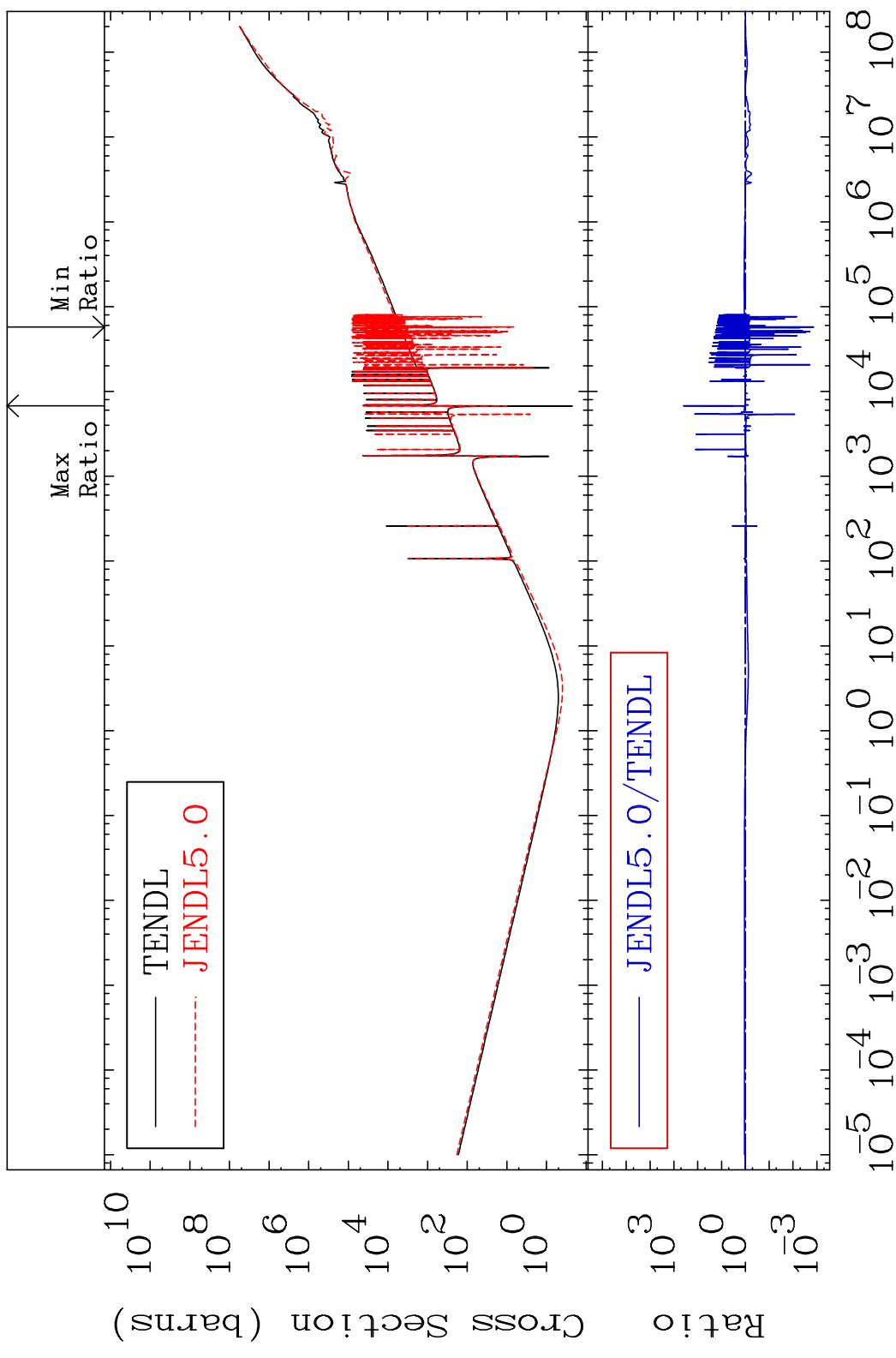
MAT 5055 He-3 Production 50-Sn-122
 Cross Section -100.0 To 9999. %



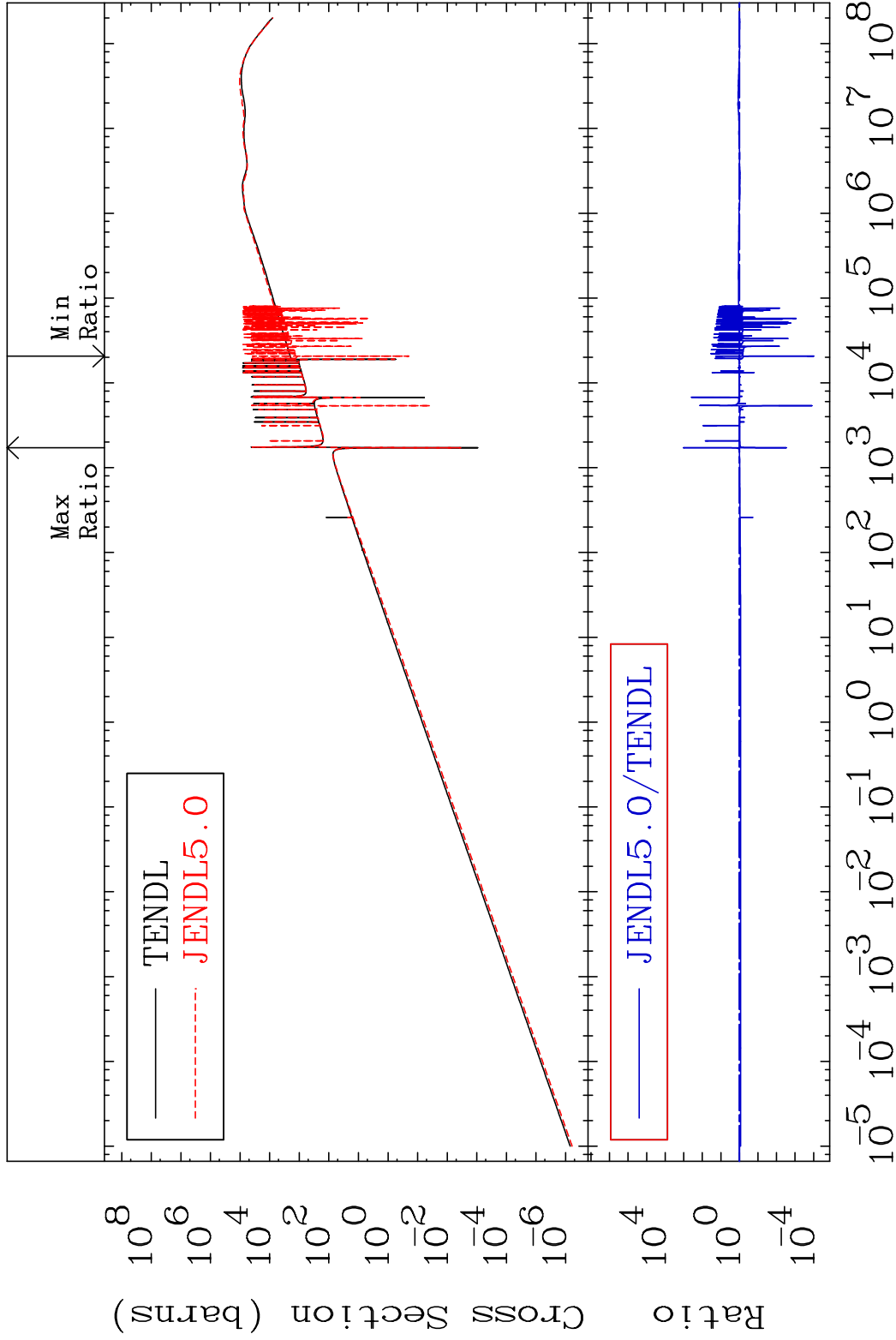
MAT 5055 He-4 Production 50-Sn-122
 Cross Section -100.0 To 9999. %



MAT 5055 Kerma total (eV-barns) 50-Sn-122
 Cross Section -99.87 To 9999. %

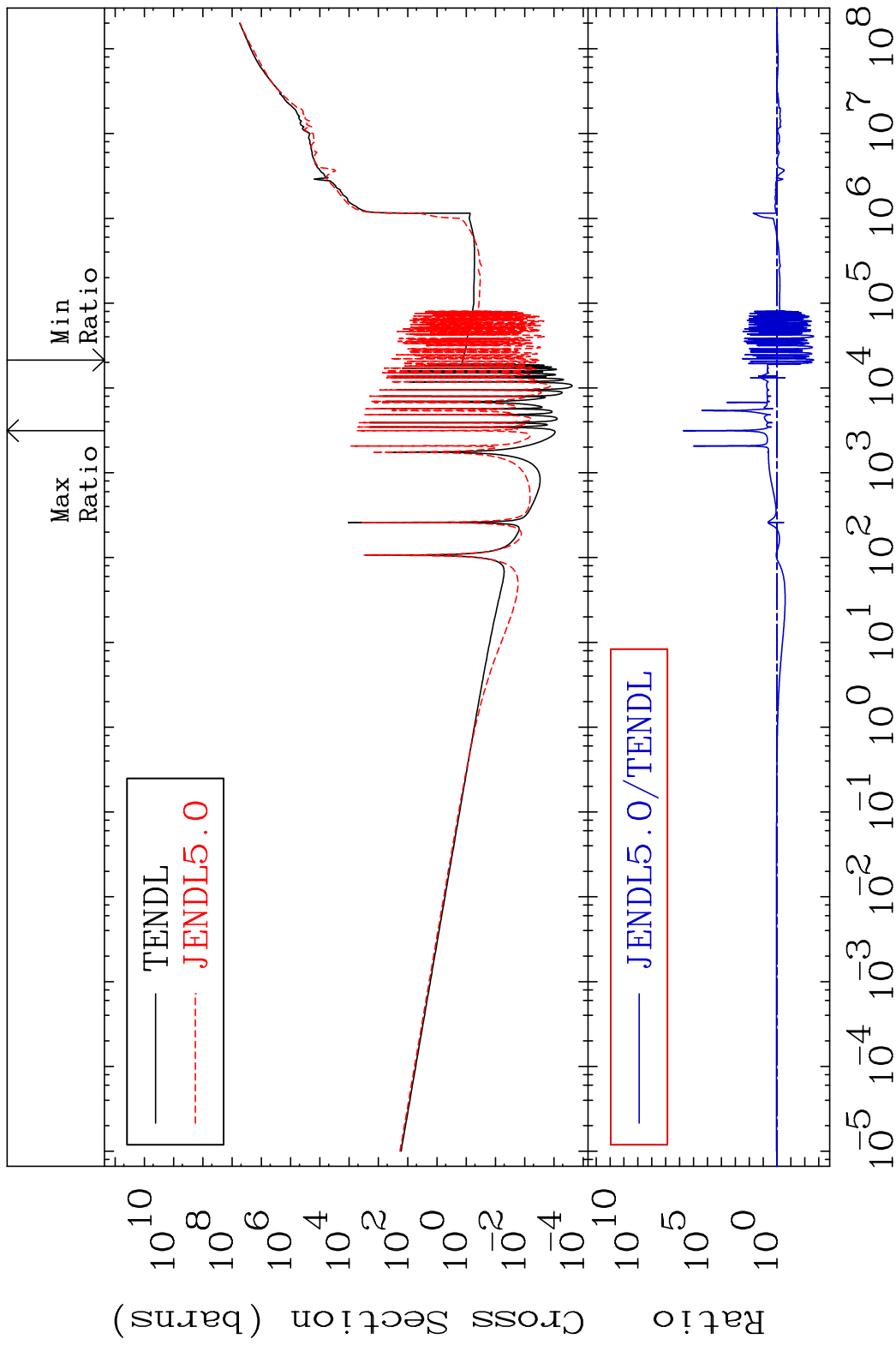


MAT 5055 Kerma elastic Cross Section 50-Sn-122 -99.99 To 9999. %



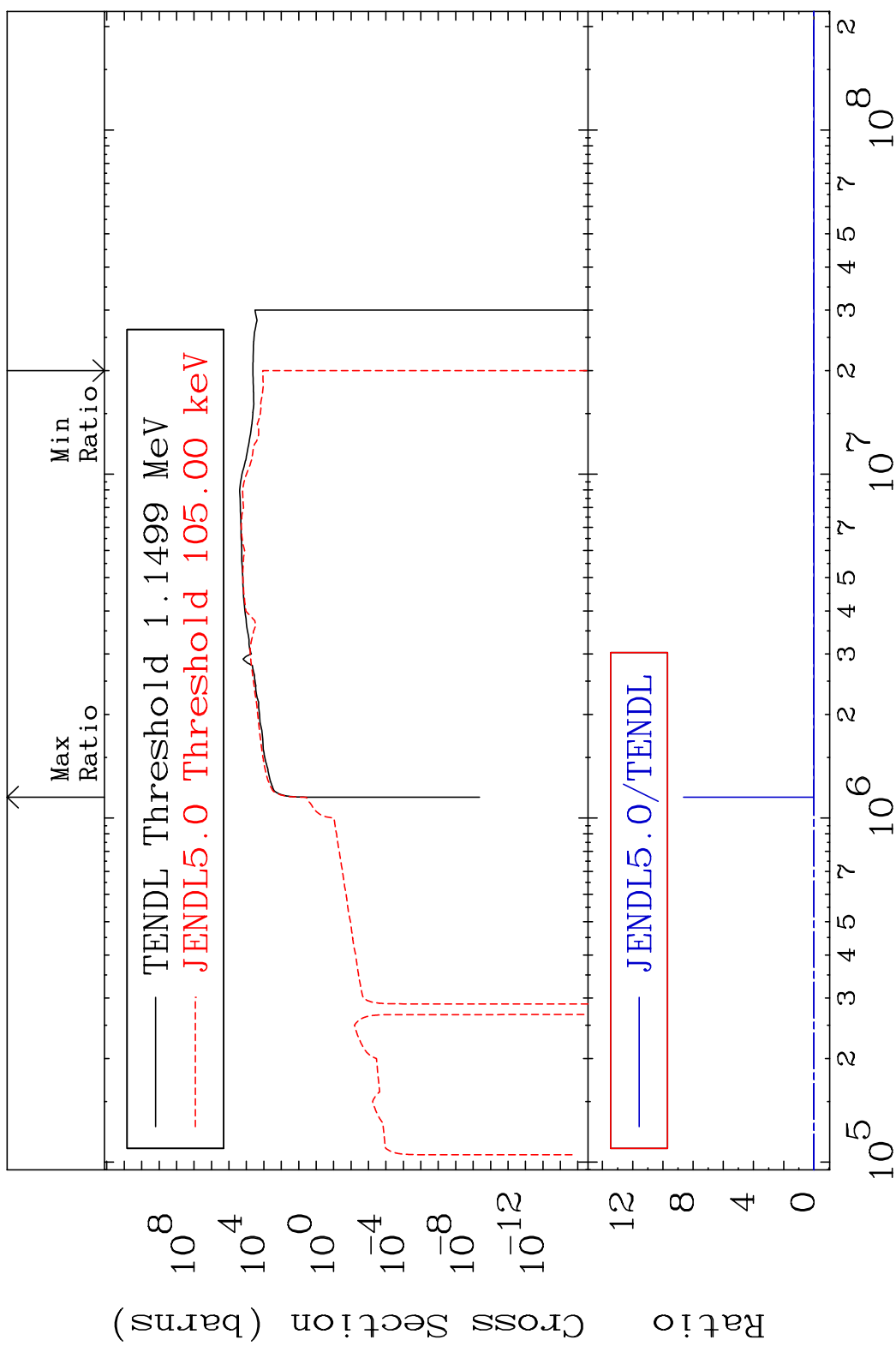
40 Incident Energy (eV) 50-Sn-122

MAT 5055 Kerma non-elastic (all but mt2) 50-Sn-122
 Cross Section -99.77 To 9999. %



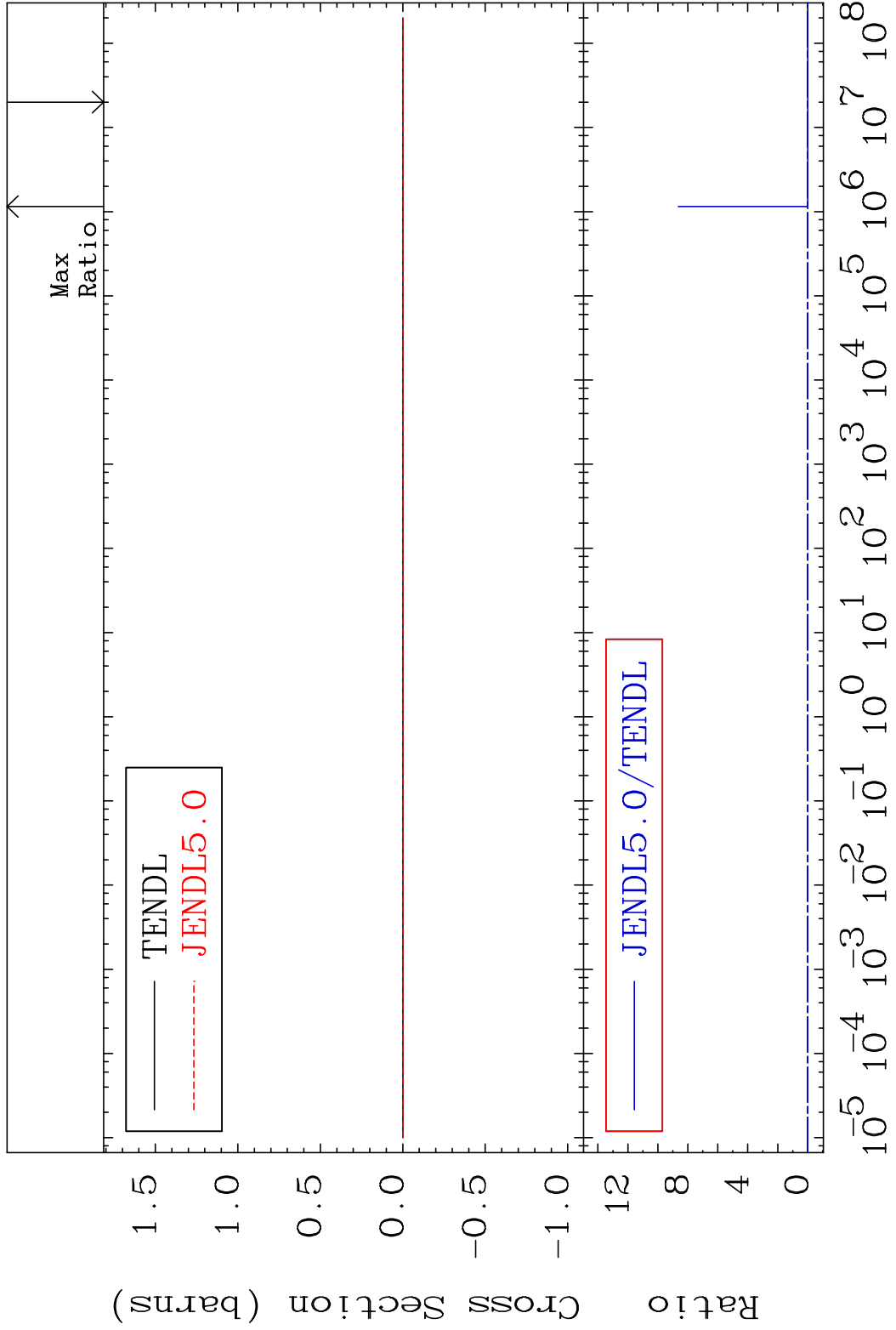
41 Incident Energy (eV) 50-Sn-122

MAT 5055 Kerma inelastic (mt51-91) 50-Sn-122
 Cross Section -100.0 To 9999. %



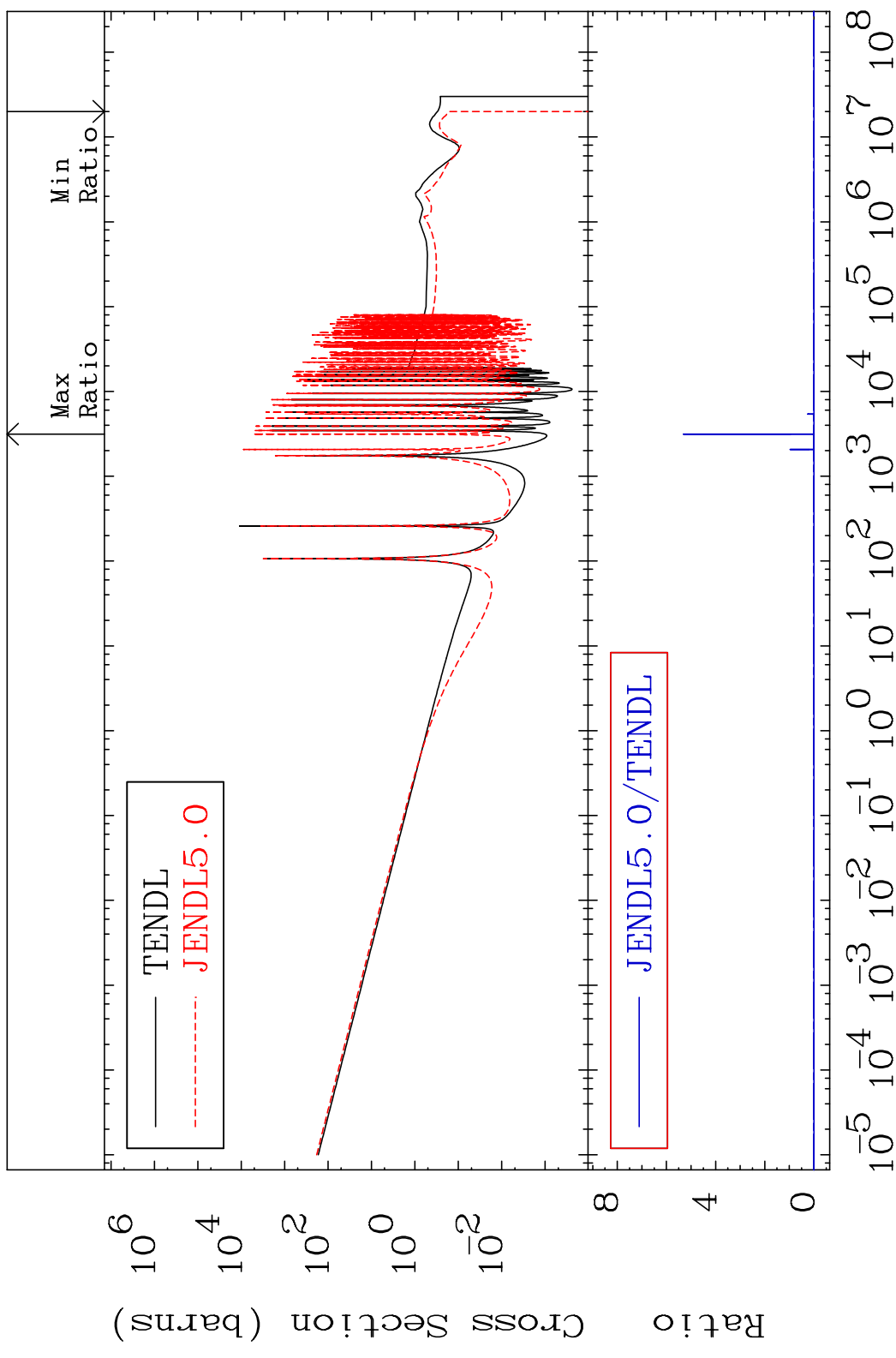
42 Incident Energy (eV) 50-Sn-122

MAT 5055 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-122
 Cross Section -100.0 To 9999. %

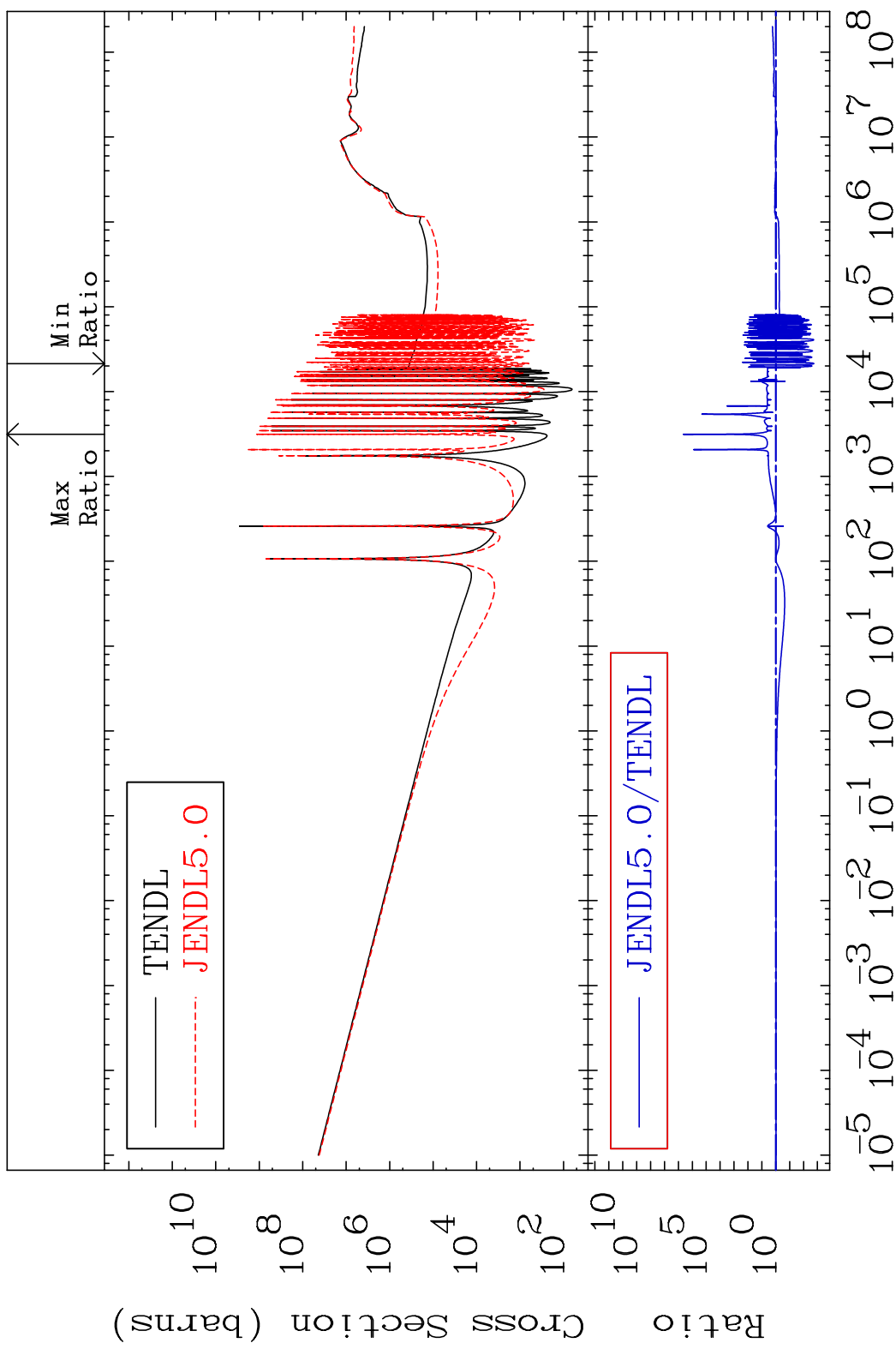


43 Incident Energy (eV) 50-Sn-122

MAT 5055 Kerma capture (mt102) 50-Sn-122
 Cross Section -100.0 To 9999. %

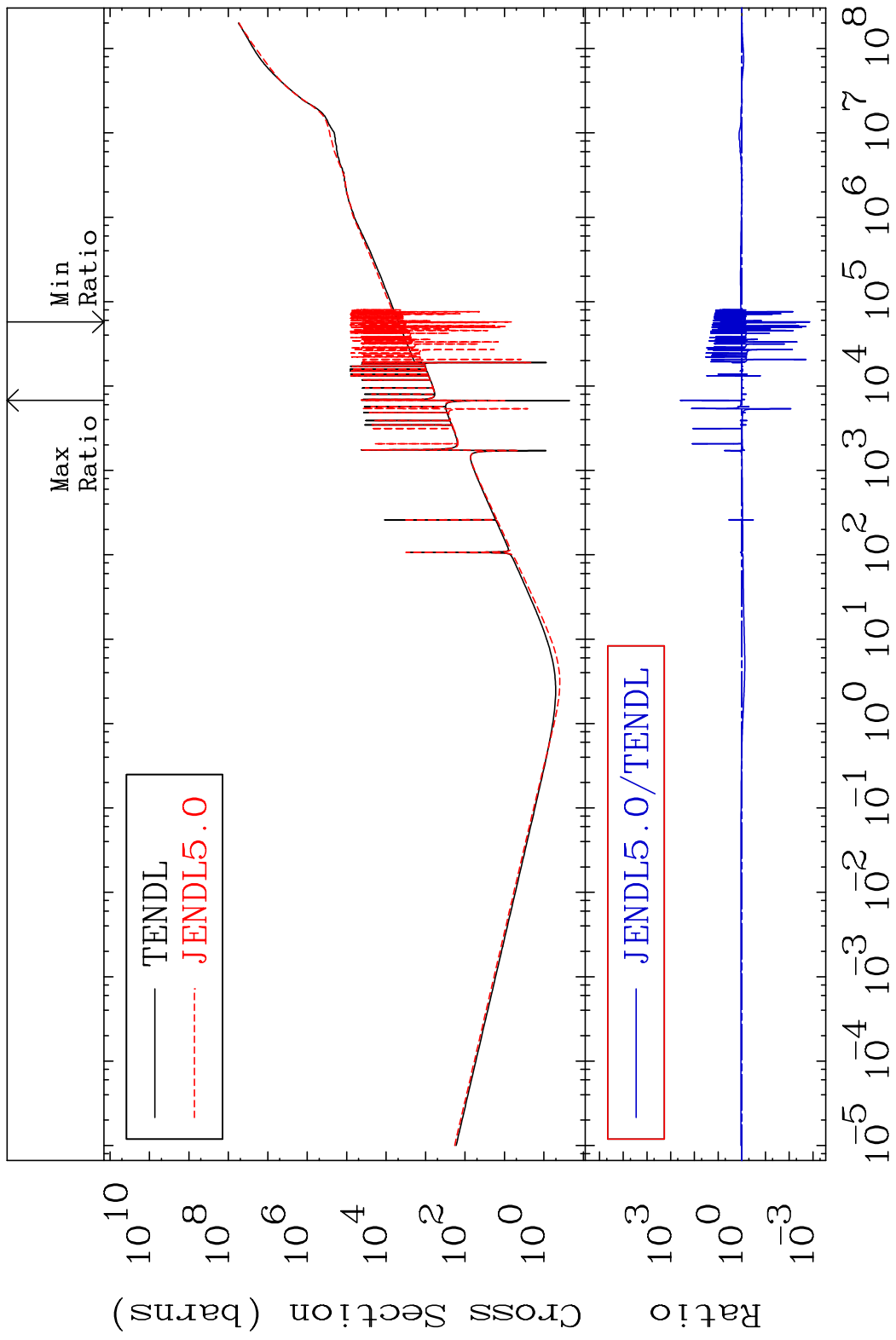


MAT 5055 Total photon (eV-barns) 50-Sn-122
 Cross Section -99.82 To 9999. %

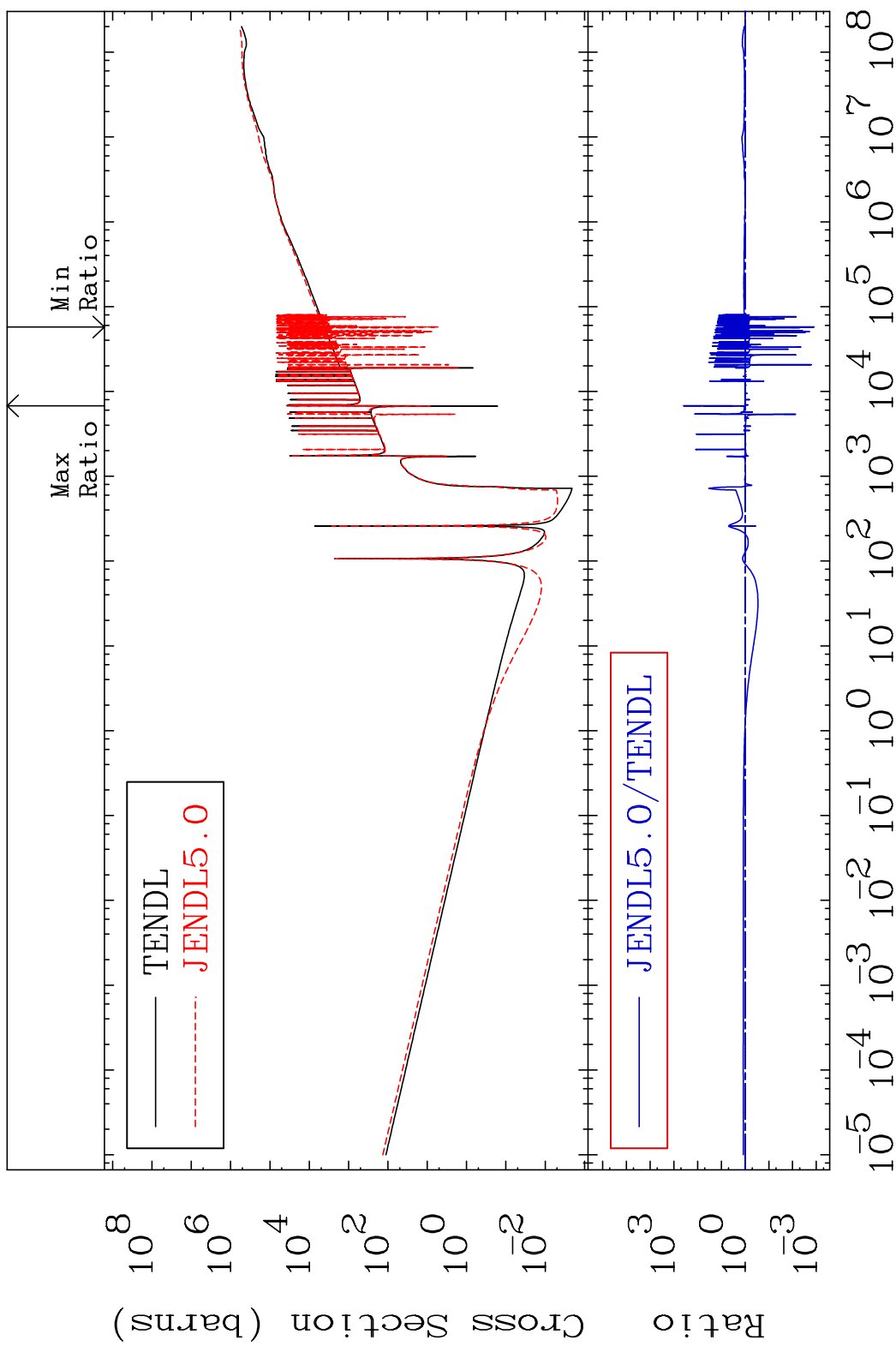


45 Incident Energy (eV) 50-Sn-122

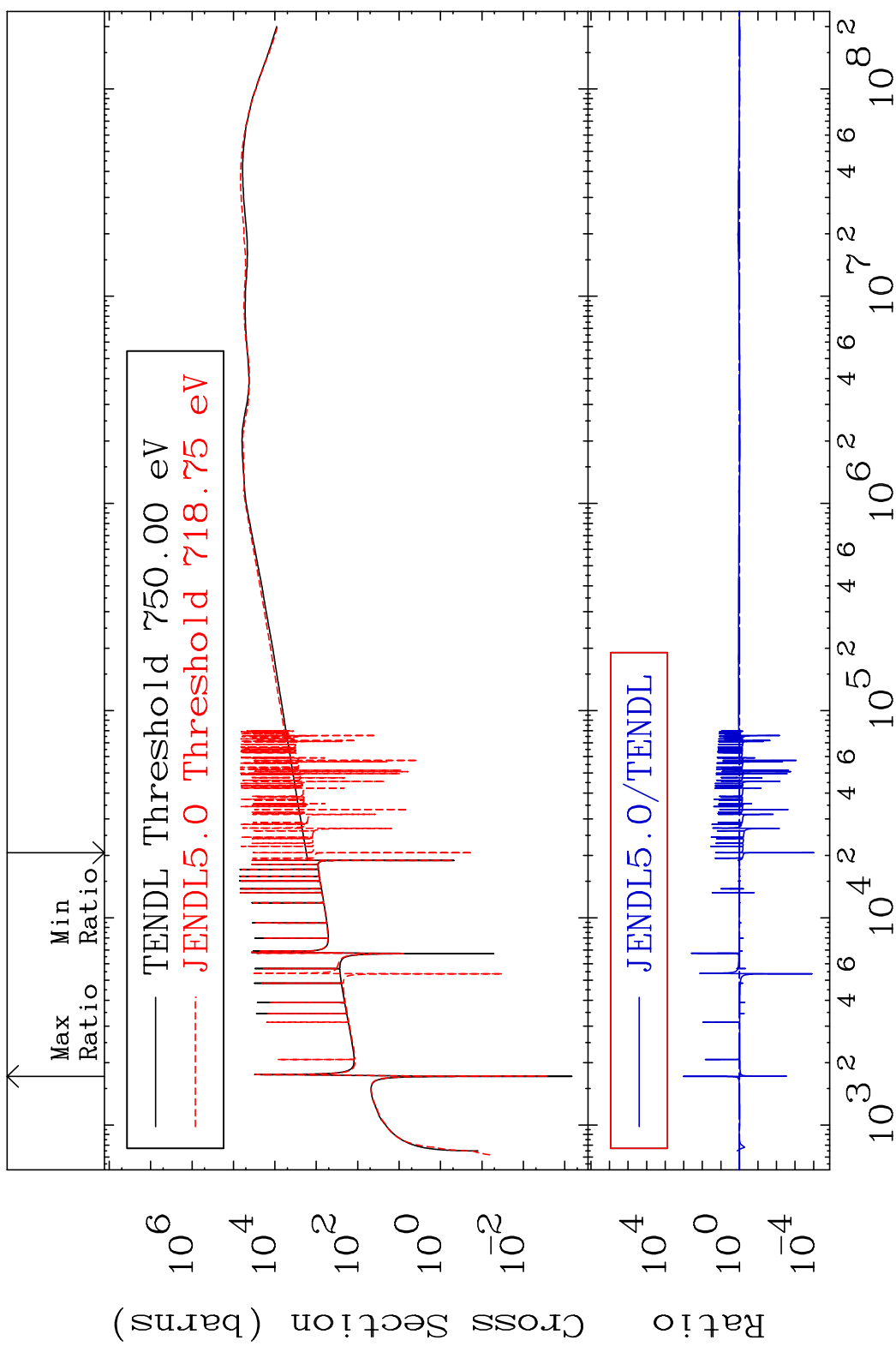
MAT 5055 Total kinematic kerma (high limit) 50-Sn-122
 Cross Section -99.87 To 9999. %



MAT 5055 Dpa total (eV-barns) 50-Sn-122
 Cross Section -99.87 To 9999. %

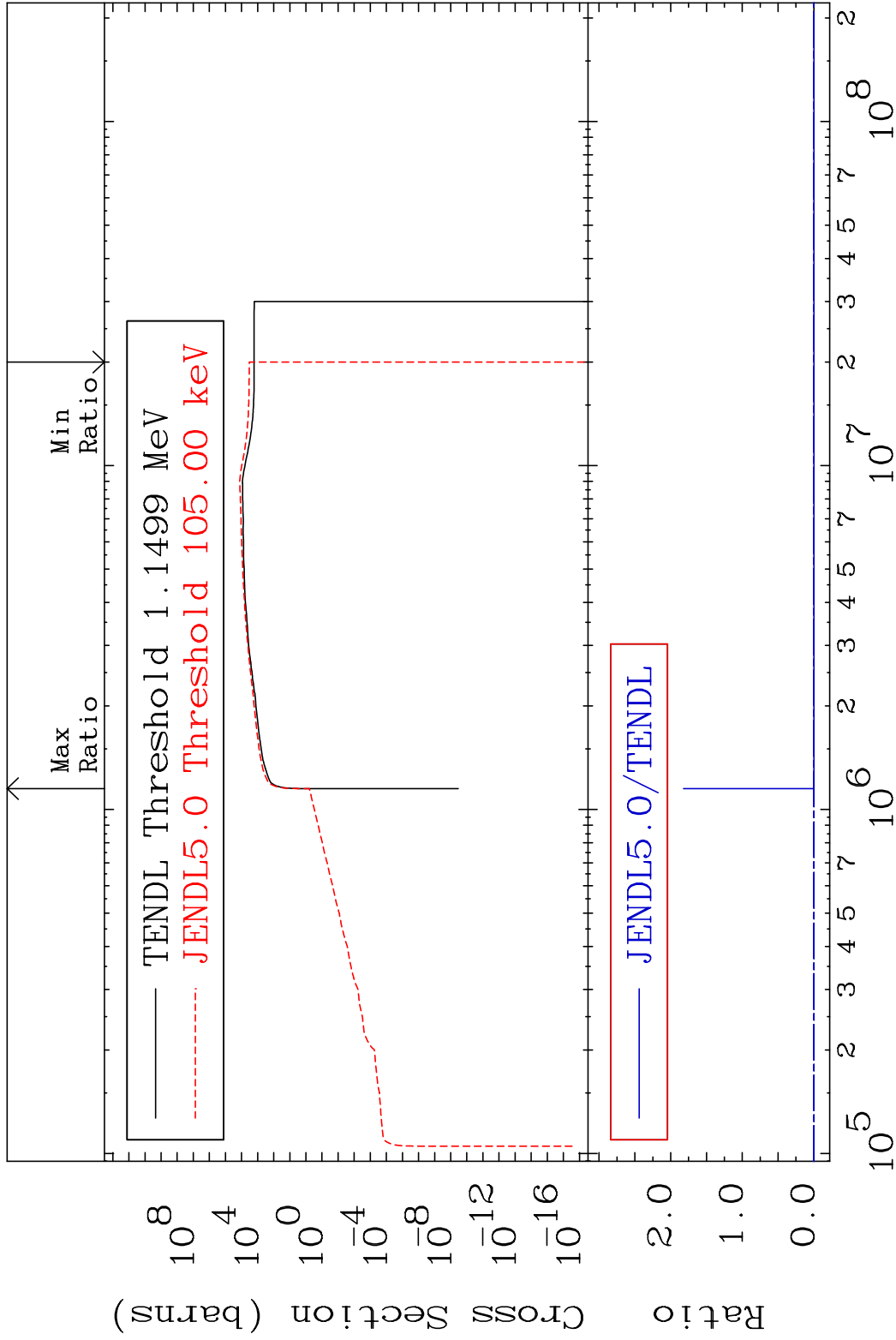


MAT 5055 Dpa elastic (mt2) 50-Sn-122
 Cross Section -99.99 To 9999. %



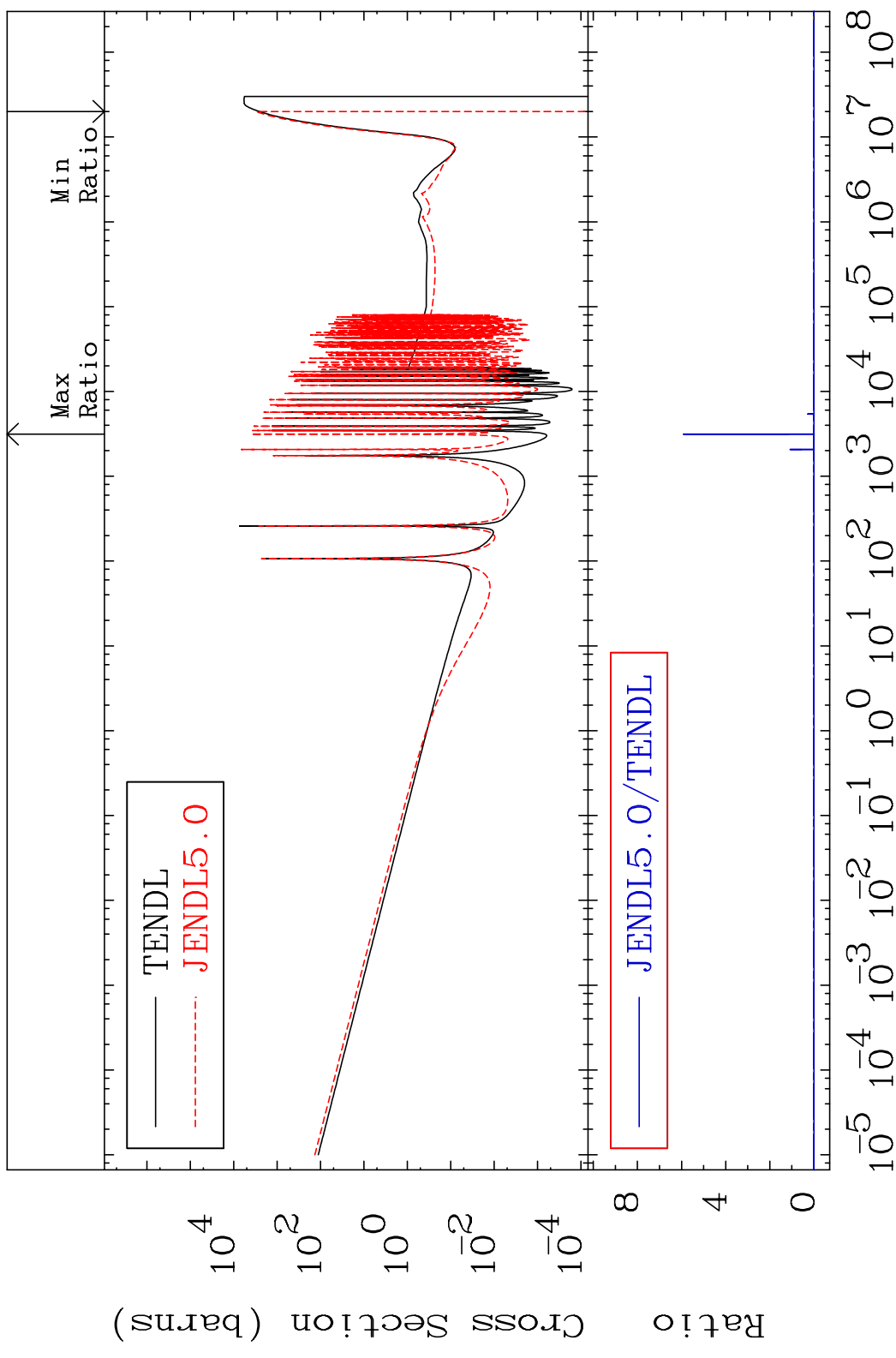
48 Incident Energy (eV) 50-Sn-122

MAT 5055 Dpa inelastic (mt51-91) 50-Sn-122
 Cross Section -100.0 To 9999. %



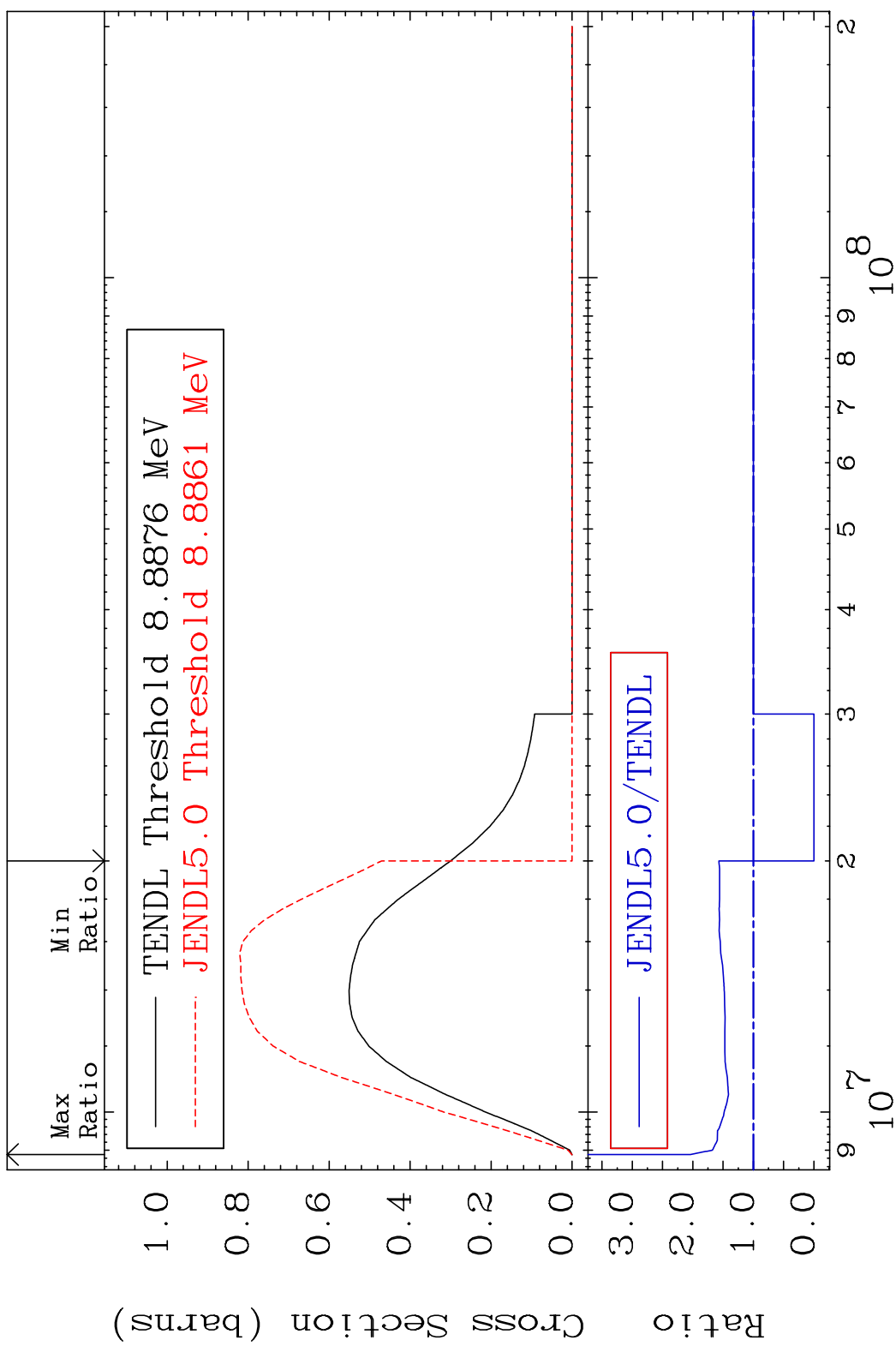
49 Incident Energy (eV) 50-Sn-122

MAT 5055 Dpa disappearance (mt102 -120) 50-Sn-122
 Cross Section -100.0 To 9999. %

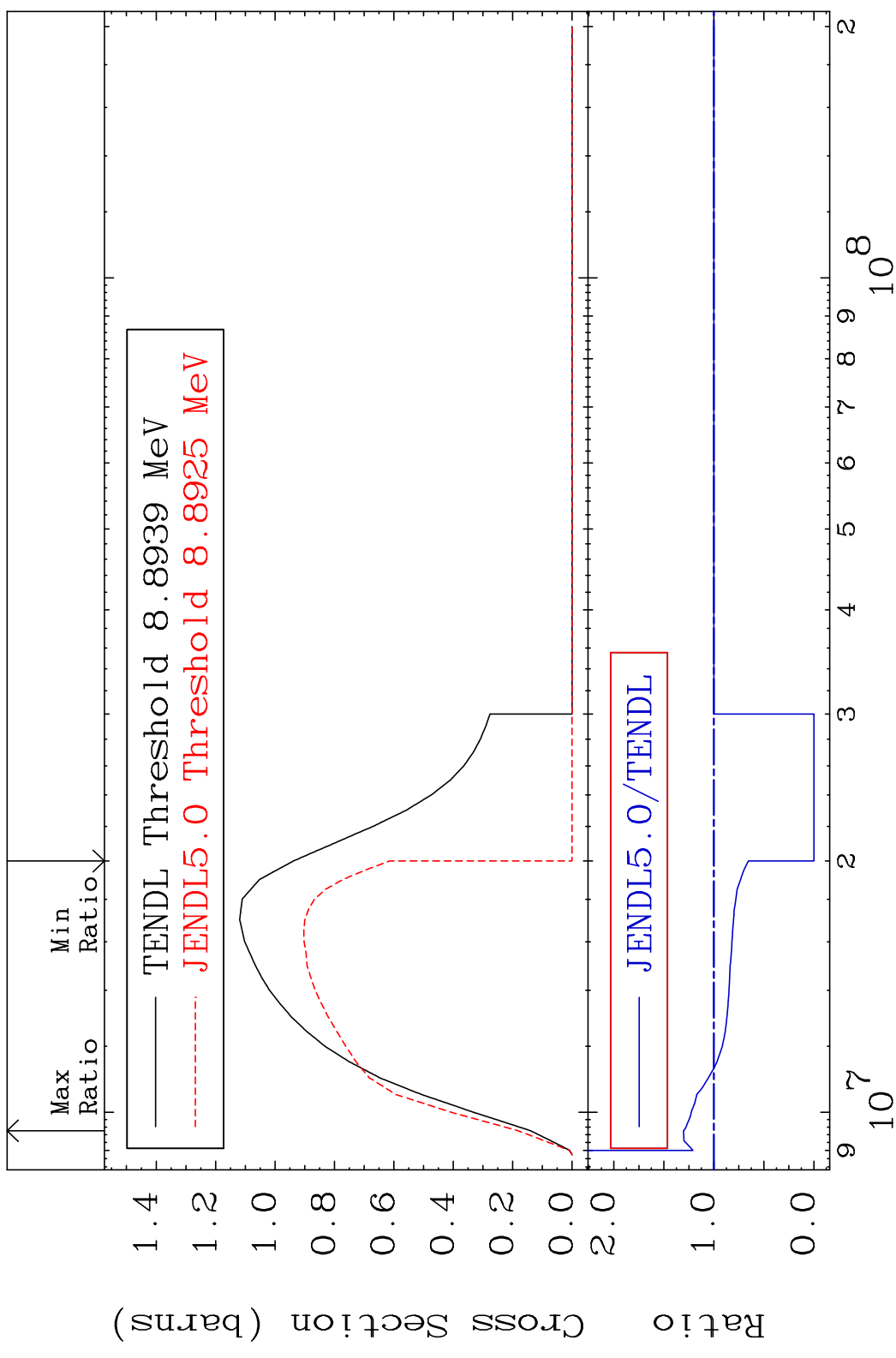


50 Incident Energy (eV) 50-Sn-122

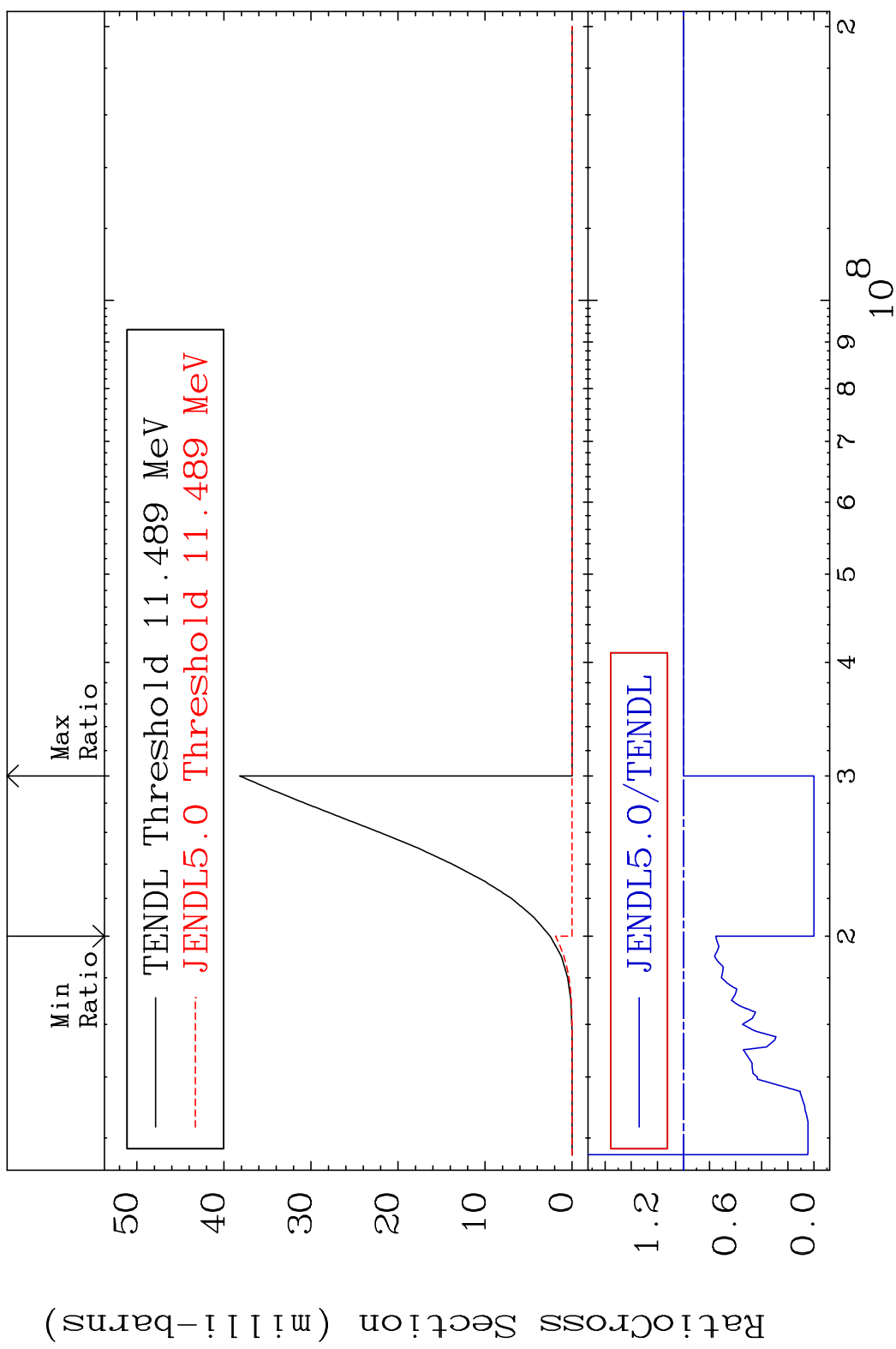
MAT 5055 (n,2n):50-Sn-121g 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 115.5 %



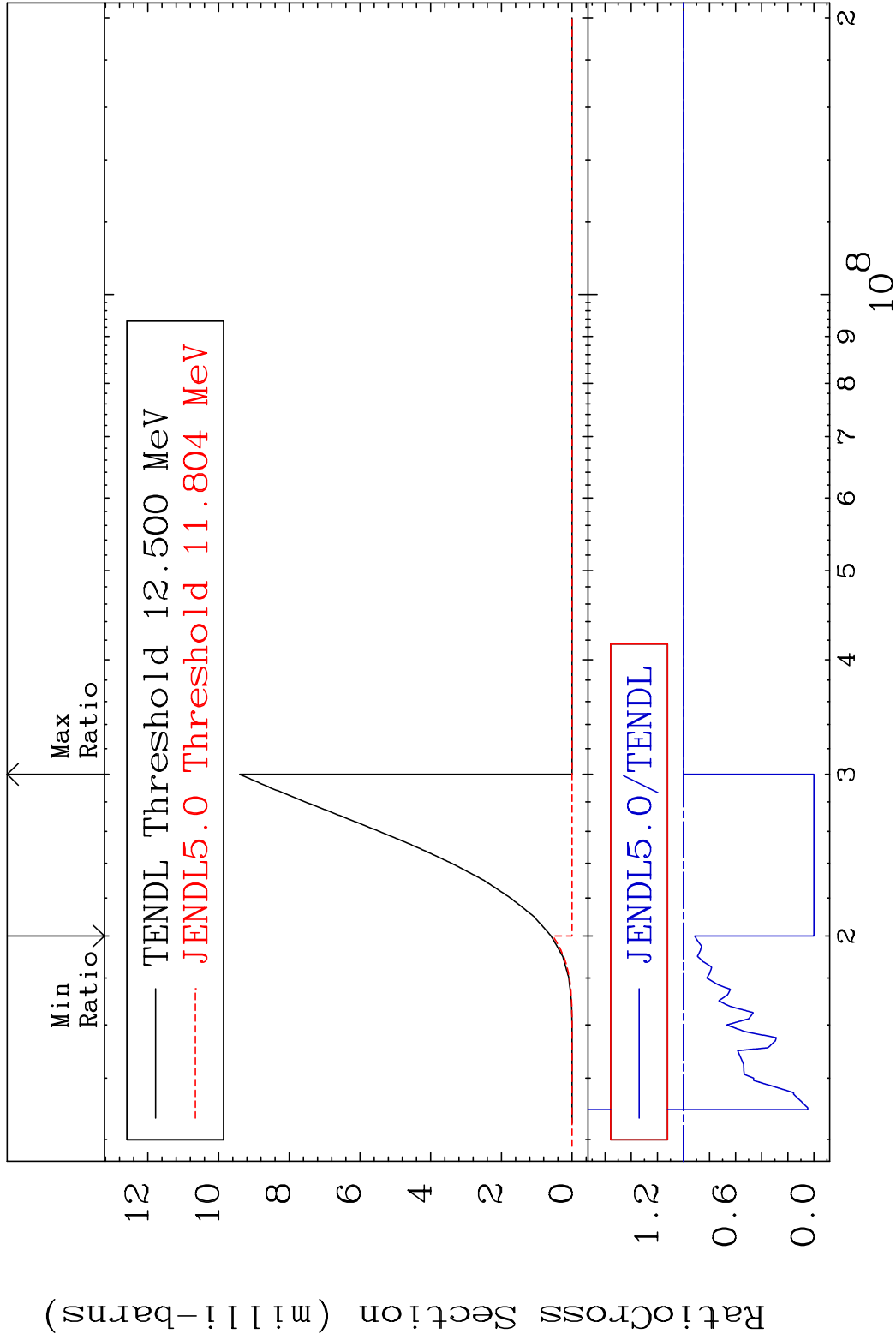
MAT 5055 (n, 2n): 50-Sn-121m1 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 30.43 %



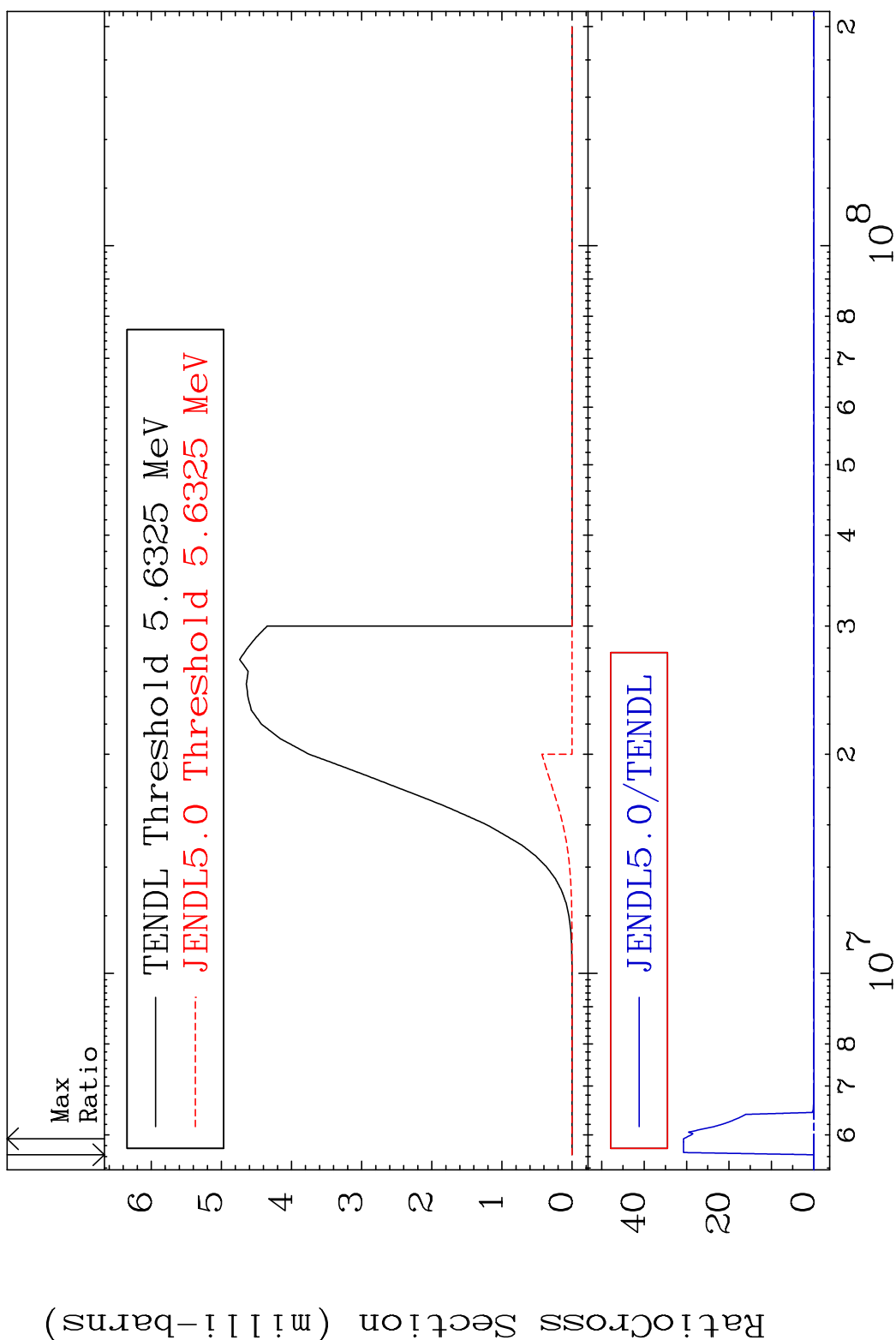
MAT 5055 (n, n') p:49-In-121g 50-Sn-122
 Radionuclide Production Cross Section 180000000 0.000 %



53 Incident Energy (eV) 50-Sn-122

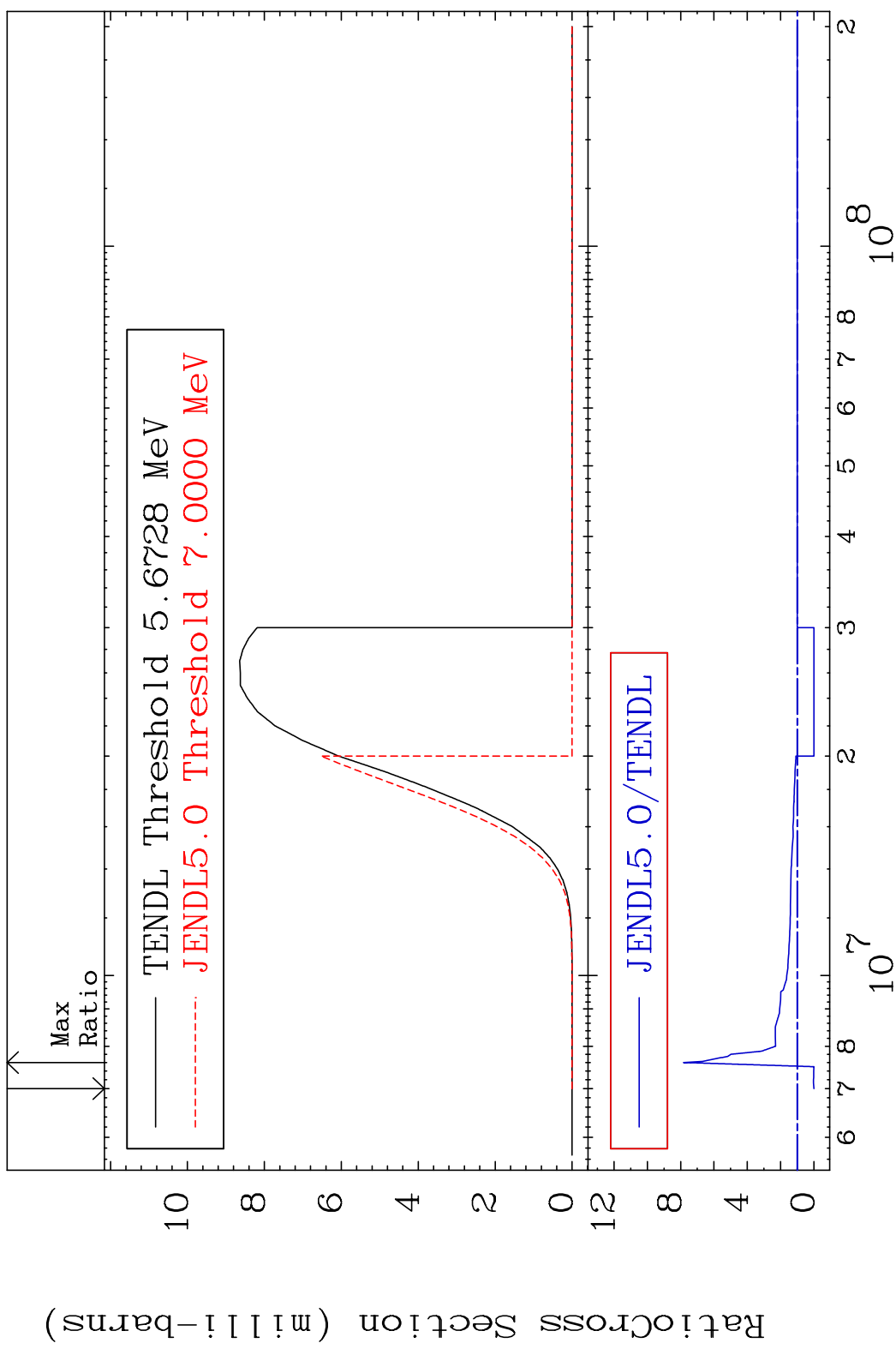


MAT 5055 (n,p):49-In-122g 50-Sn-122
 Radionuclide Production Cross Section 10000 dpo 9999. %



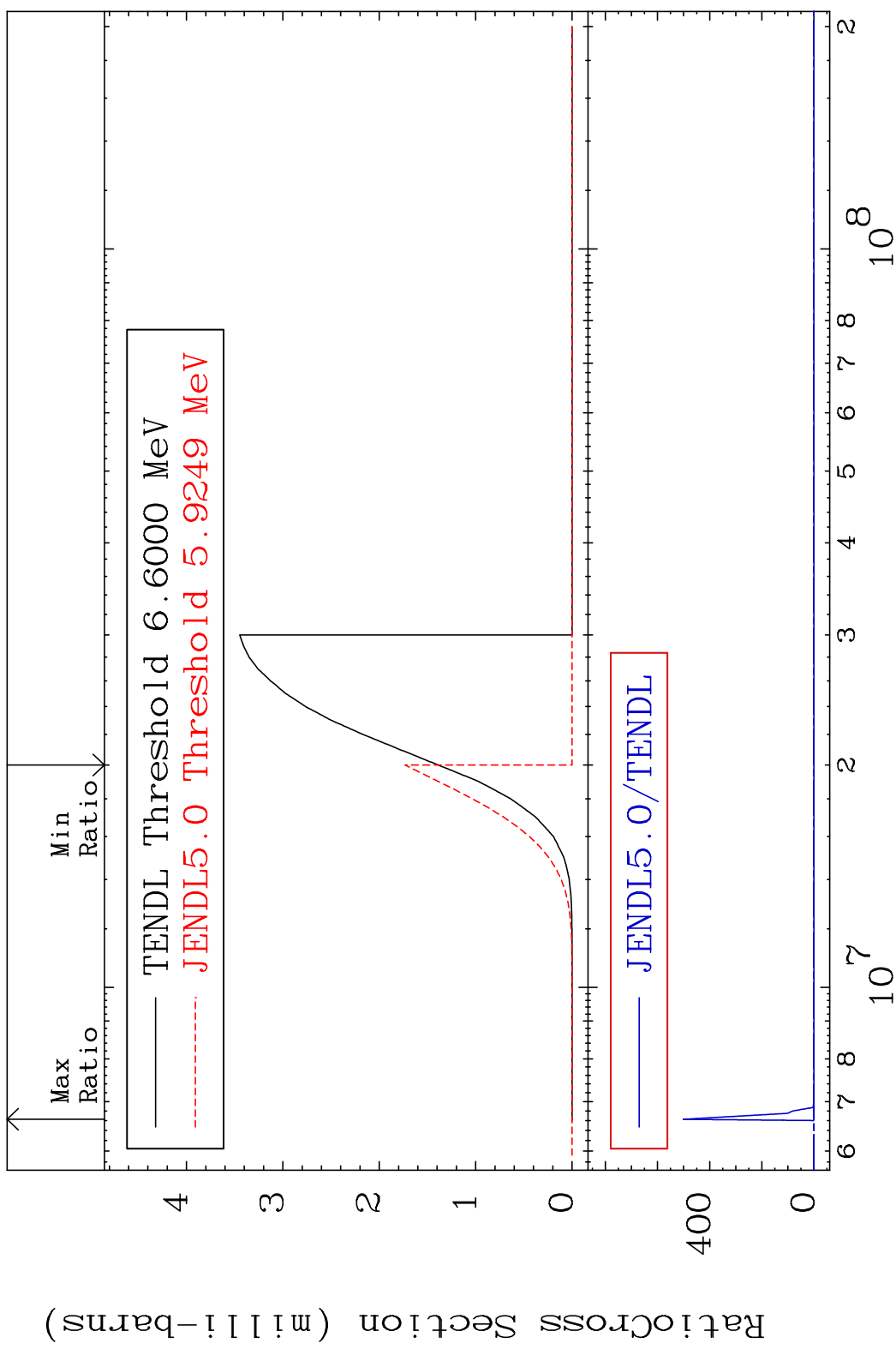
55 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, p):49-In-122m1 50-Sn-122
 Radionuclide Production Cross Section 683.2 %

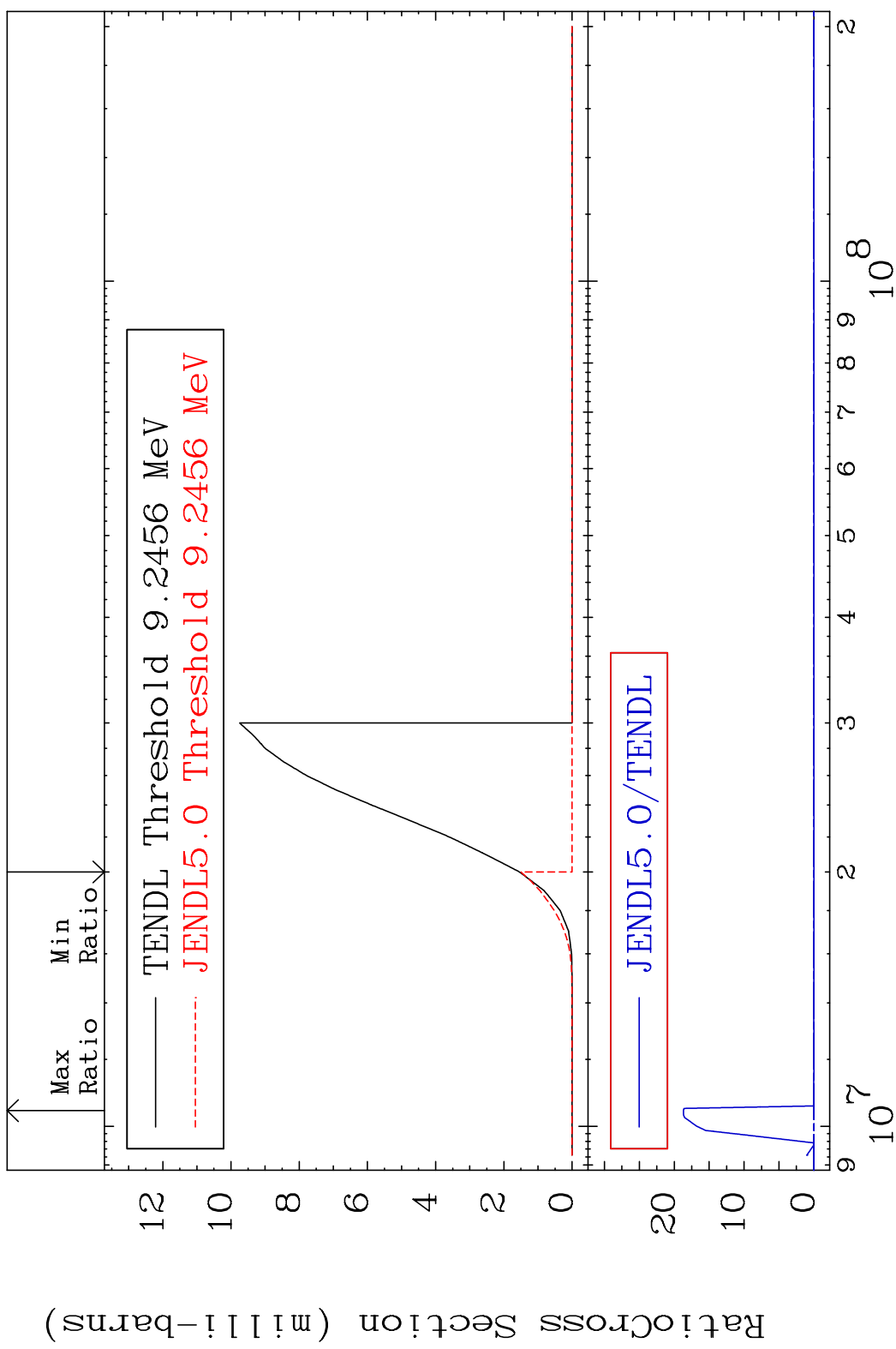


56 Incident Energy (eV) 50-Sn-122

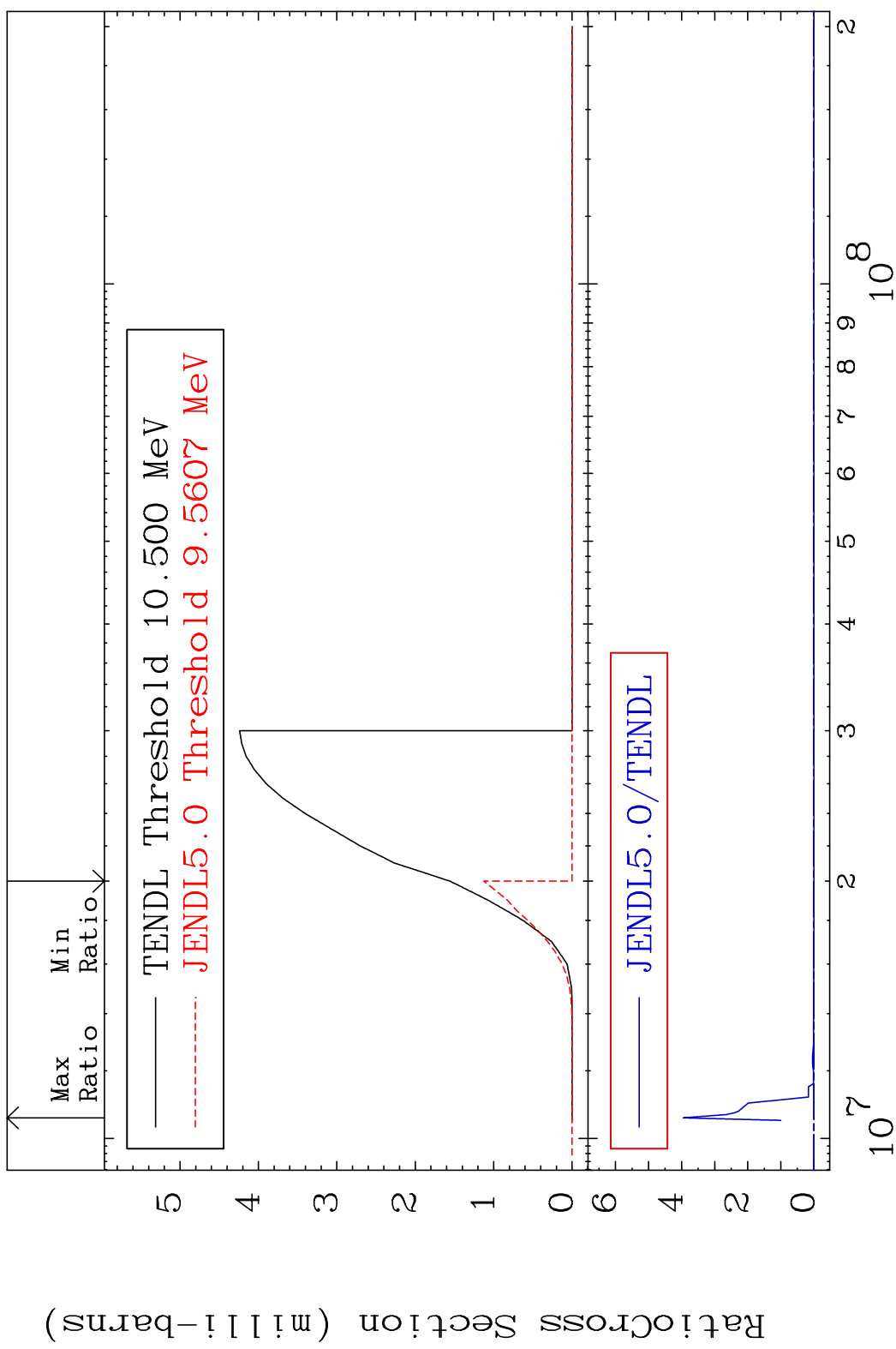
MAT 5055 (n,p):49-In-122m5 50-Sn-122
 Radionuclide Production Cross Section 10000 d to 9999. %



57 Incident Energy (eV) 50-Sn-122

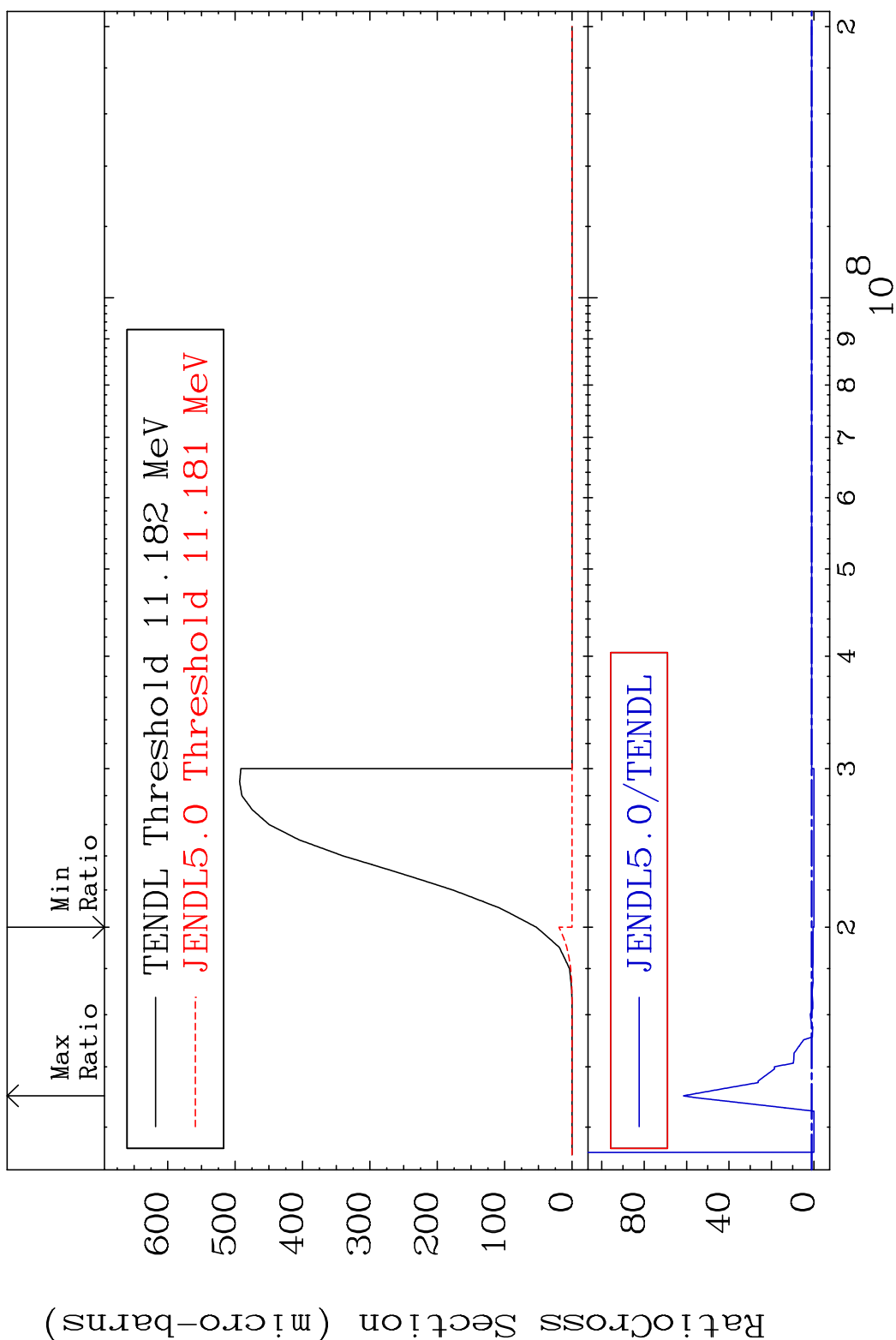


MAT 5055 (n,d):49-In-121m1 50-Sn-122
 Radionuclide Production Cross Section to 9999. %

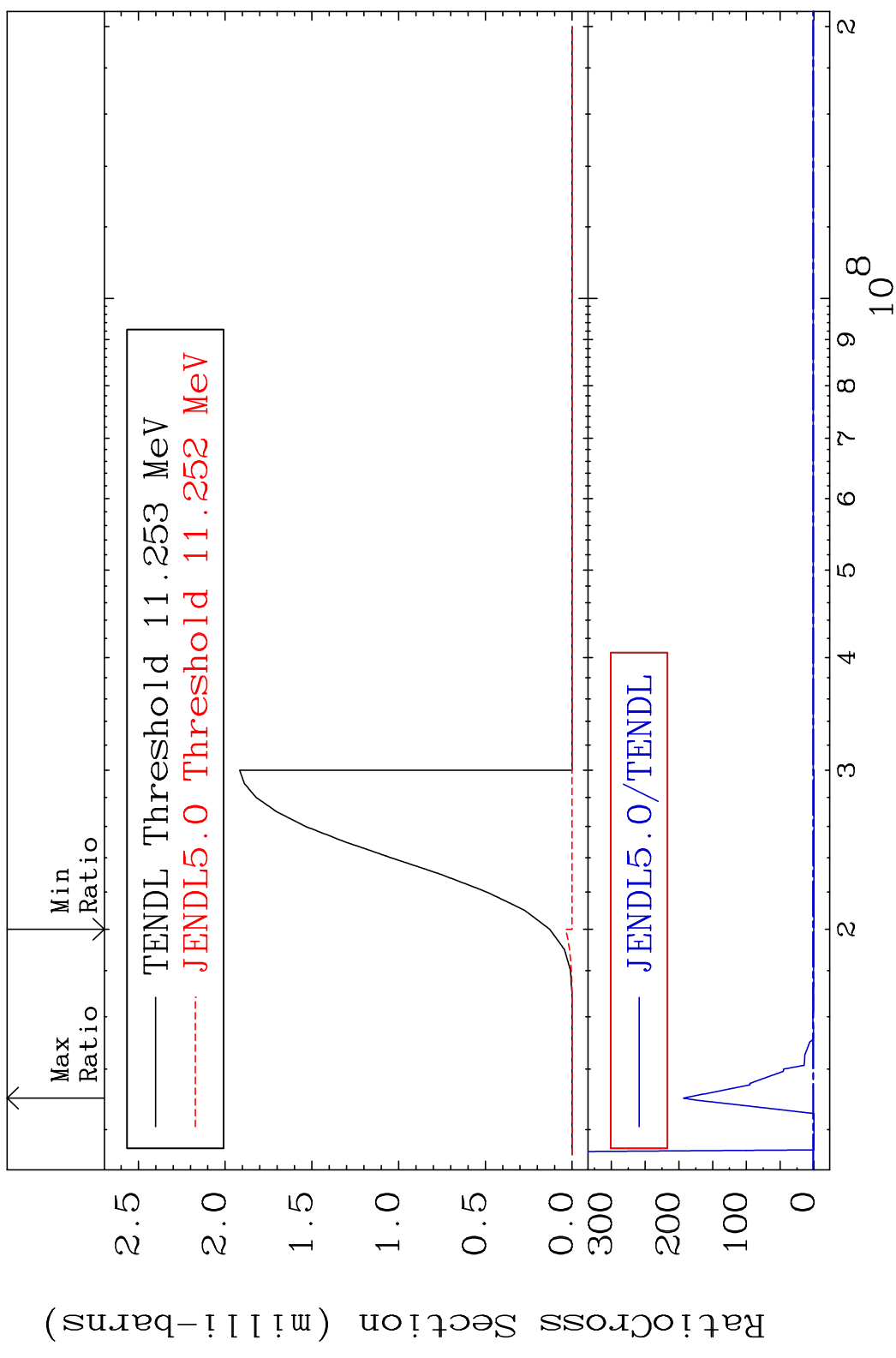


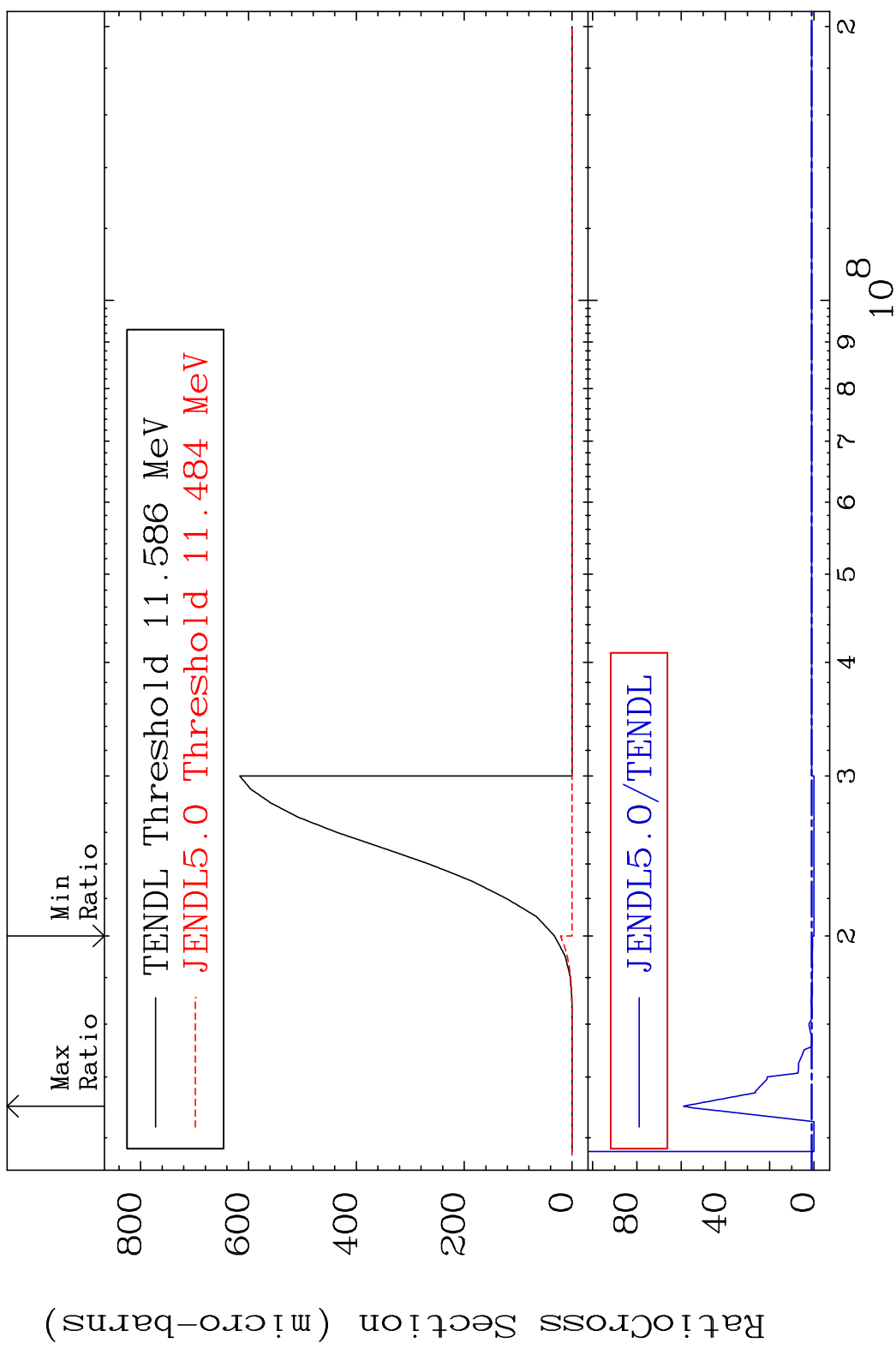
59 50-Sn-122

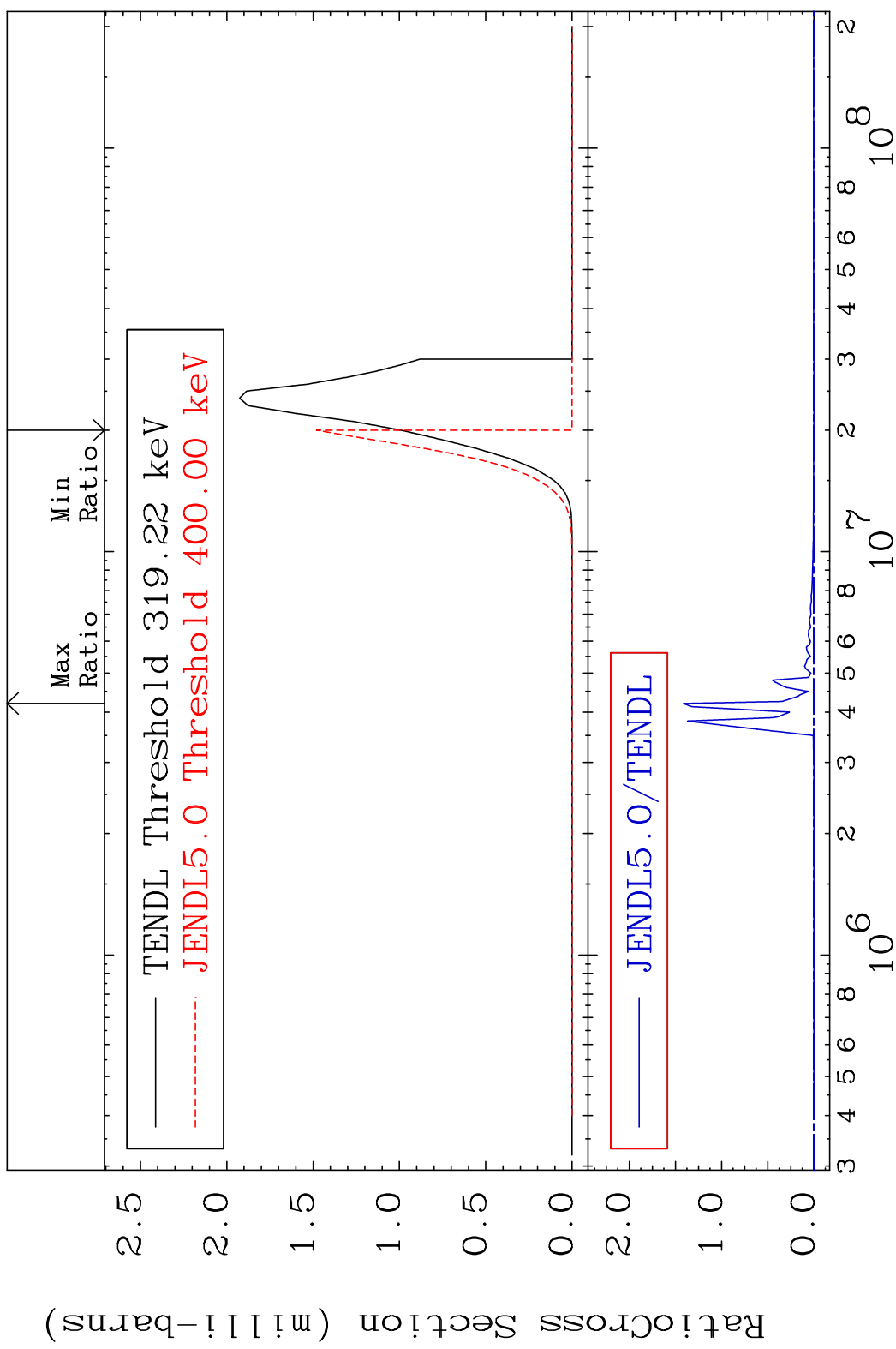
MAT 5055 (n,t):49-In-120g 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 6048. %



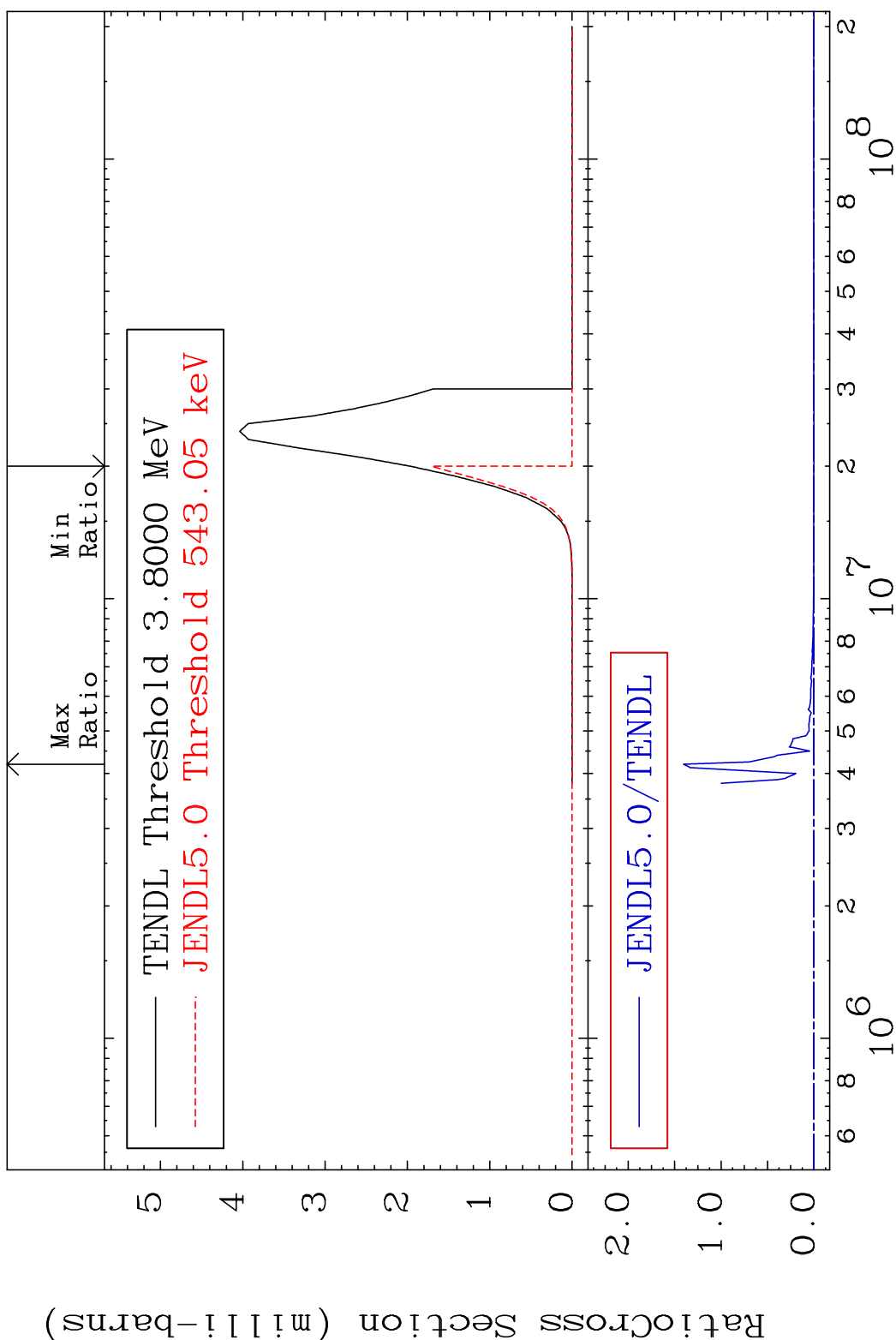
60 50-Sn-122





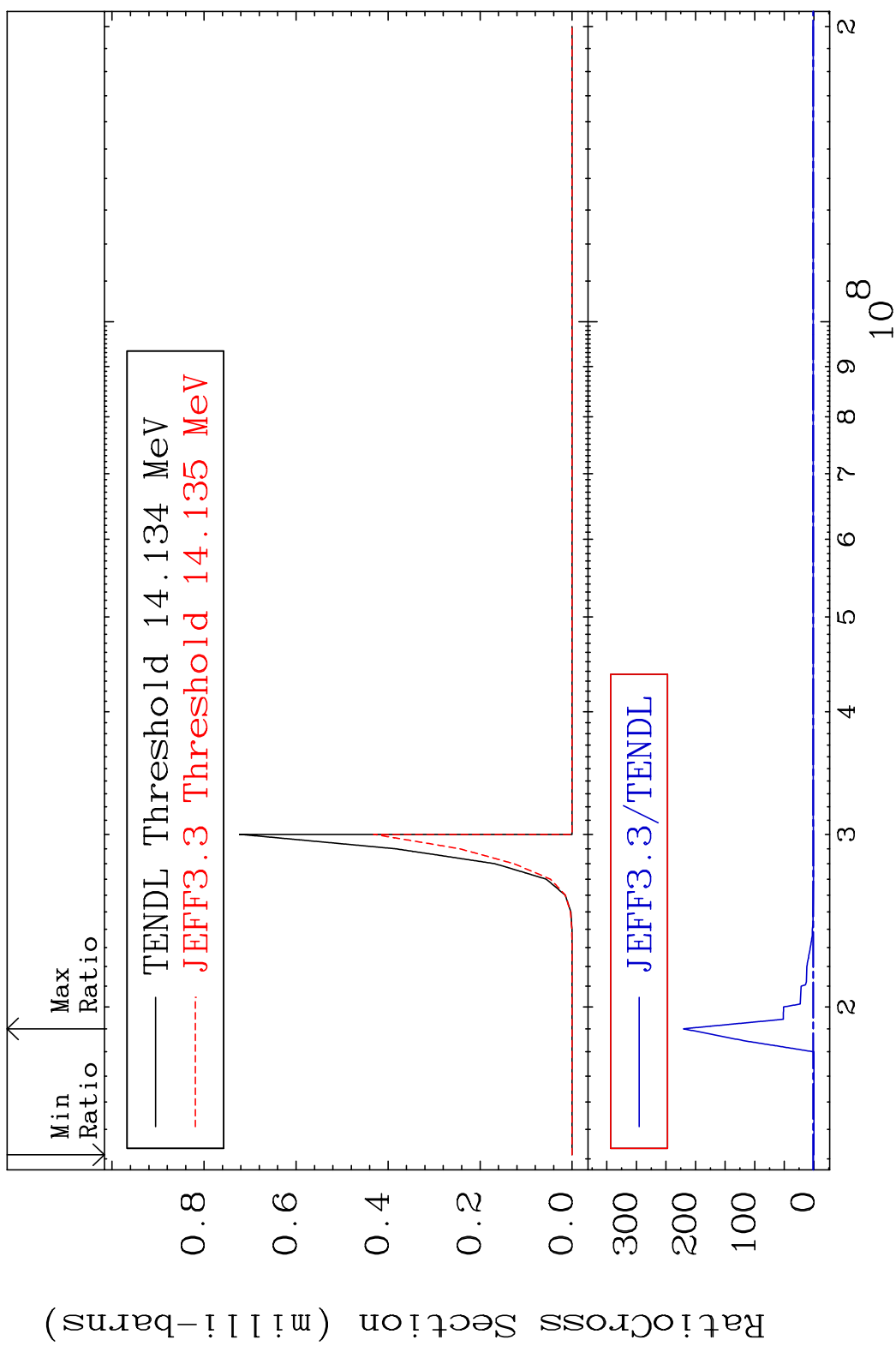


MAT 5055 (n, α): 48-Cd-119m2 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 9999. %



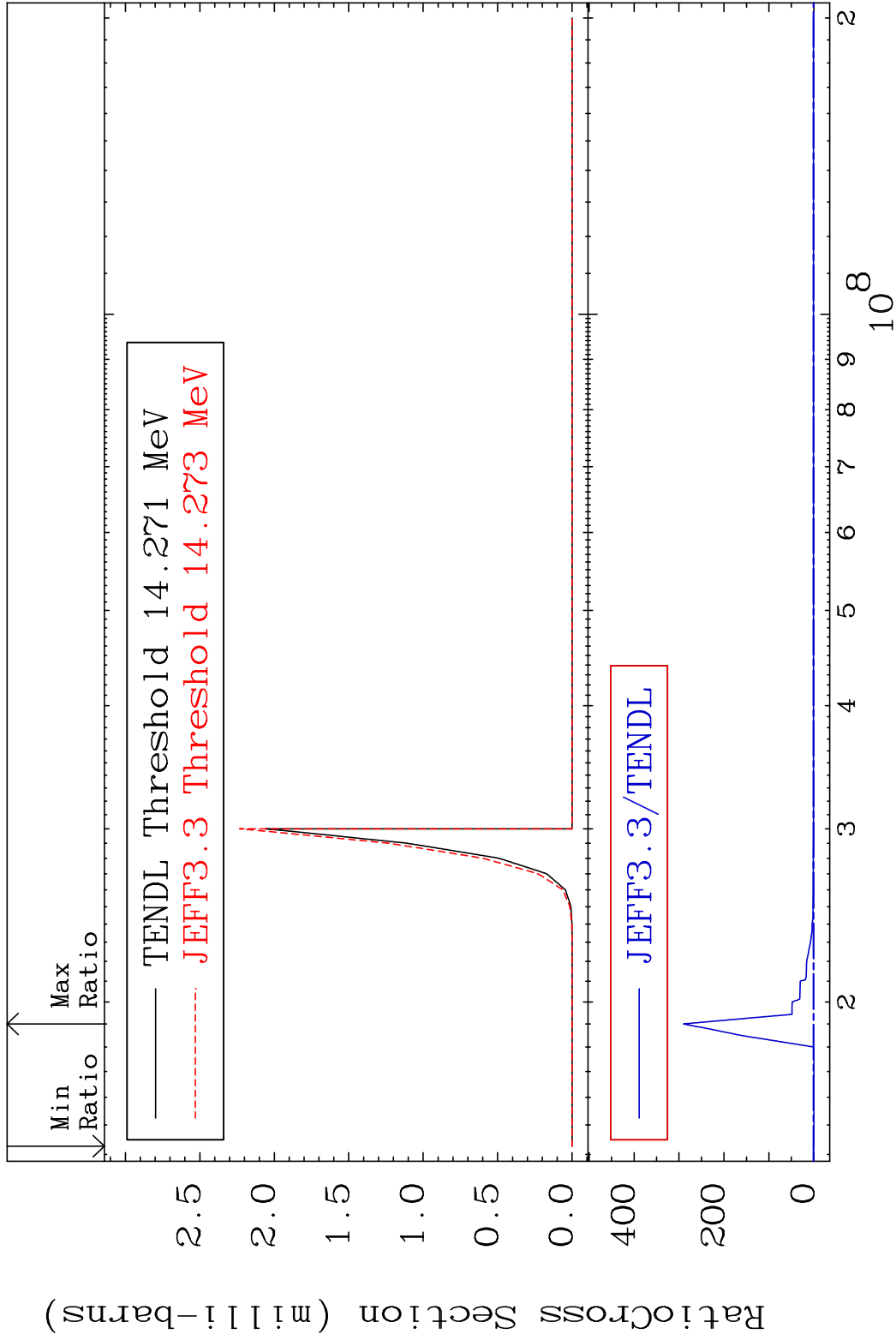
64 Incident Energy (eV) 50-Sn-122

MAT 5055 (n,2n) α :48-Cd-117g 50-Sn-122
 Radionuclide Production Cross Section 180000 dth 9999. %

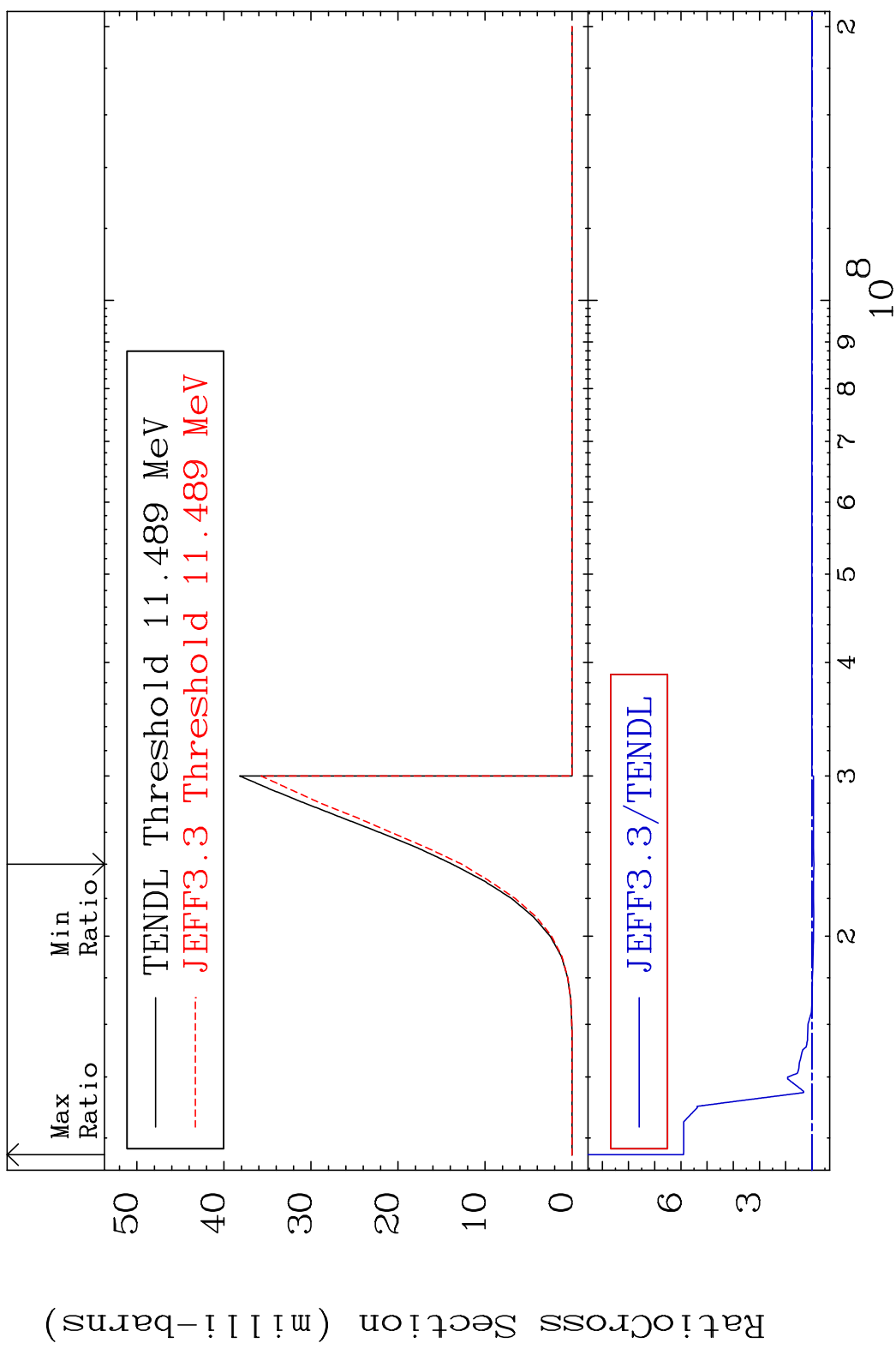


65 Incident Energy (eV) 50-Sn-122

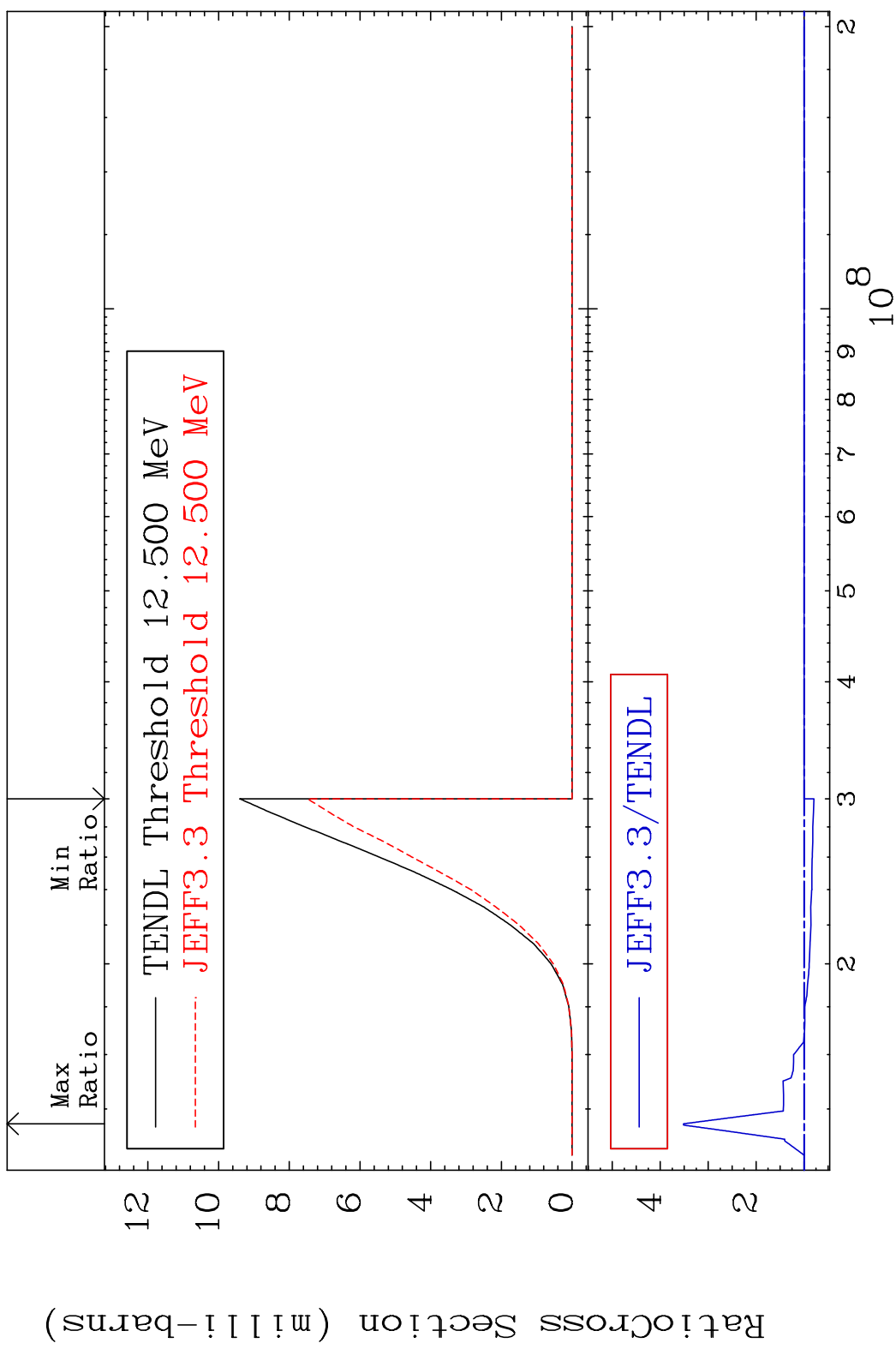
MAT 5055 (n,2n) α :48-Cd-117m2 50-Sn-122
 Radionuclide Production Cross Section to 9999. %



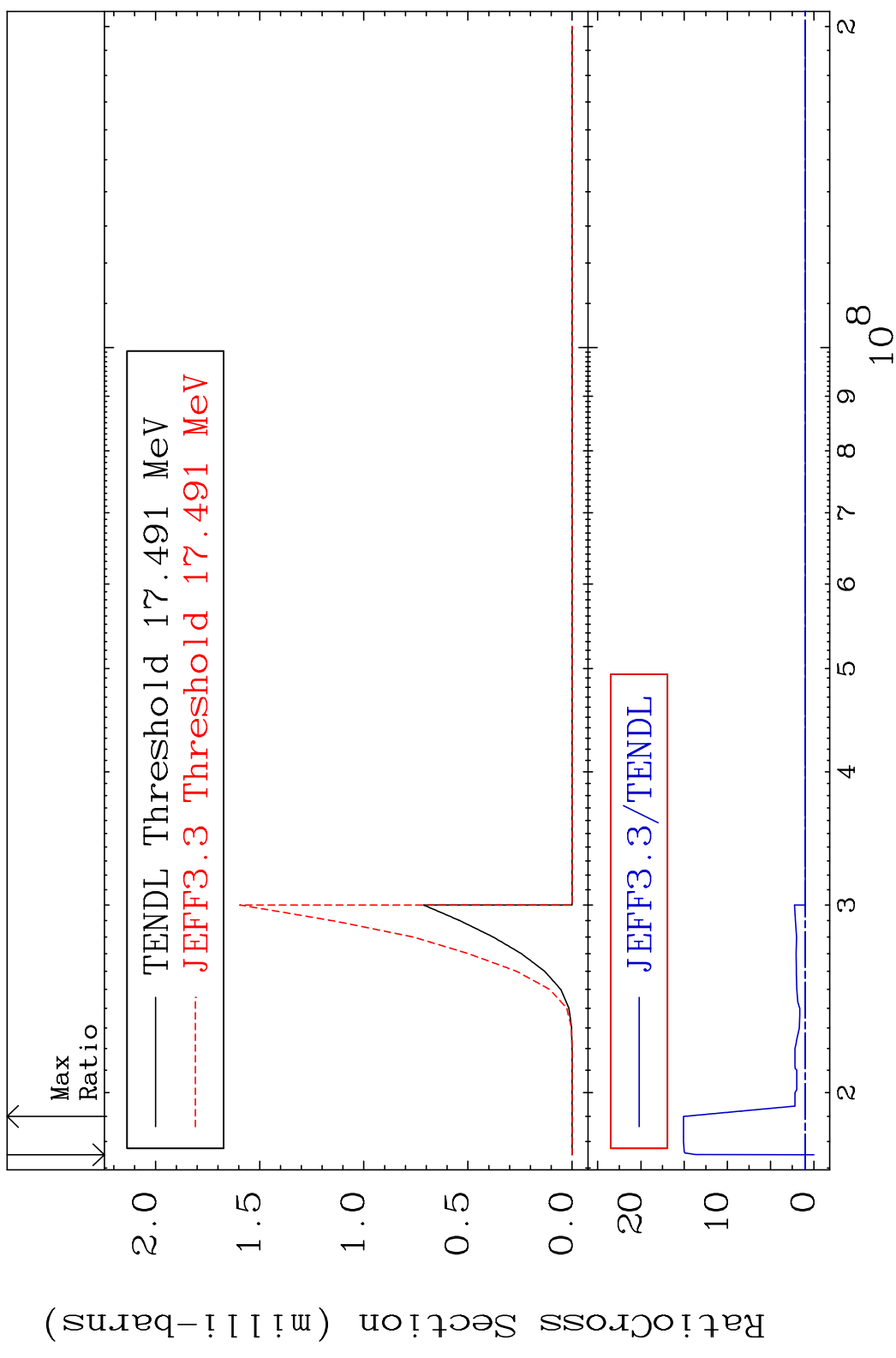
MAT 5055 (n, n') p:49-In-121g 50-Sn-122
 Radionuclide Production Cross Section 490.3 %



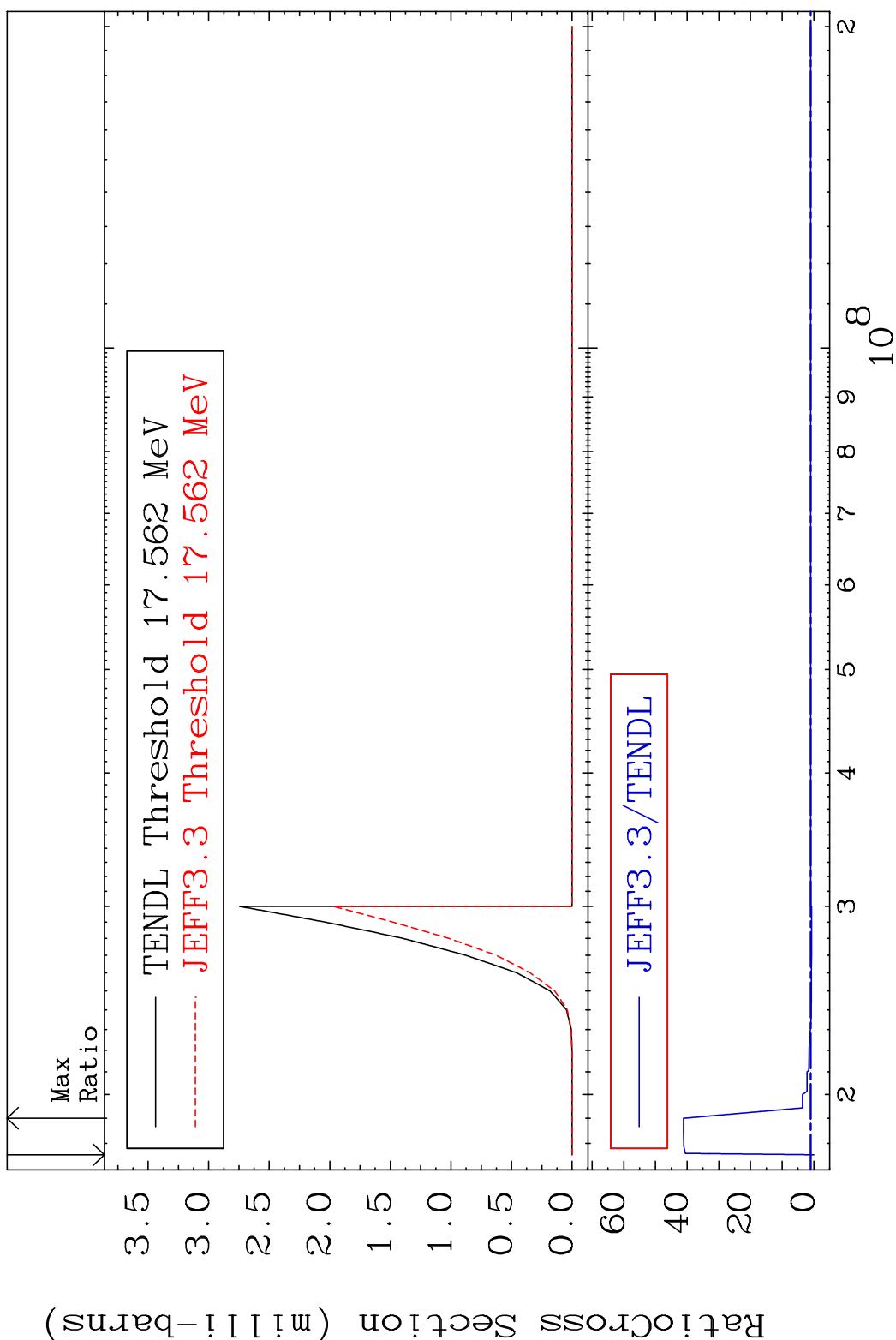
67 Incident Energy (eV) 50-Sn-122



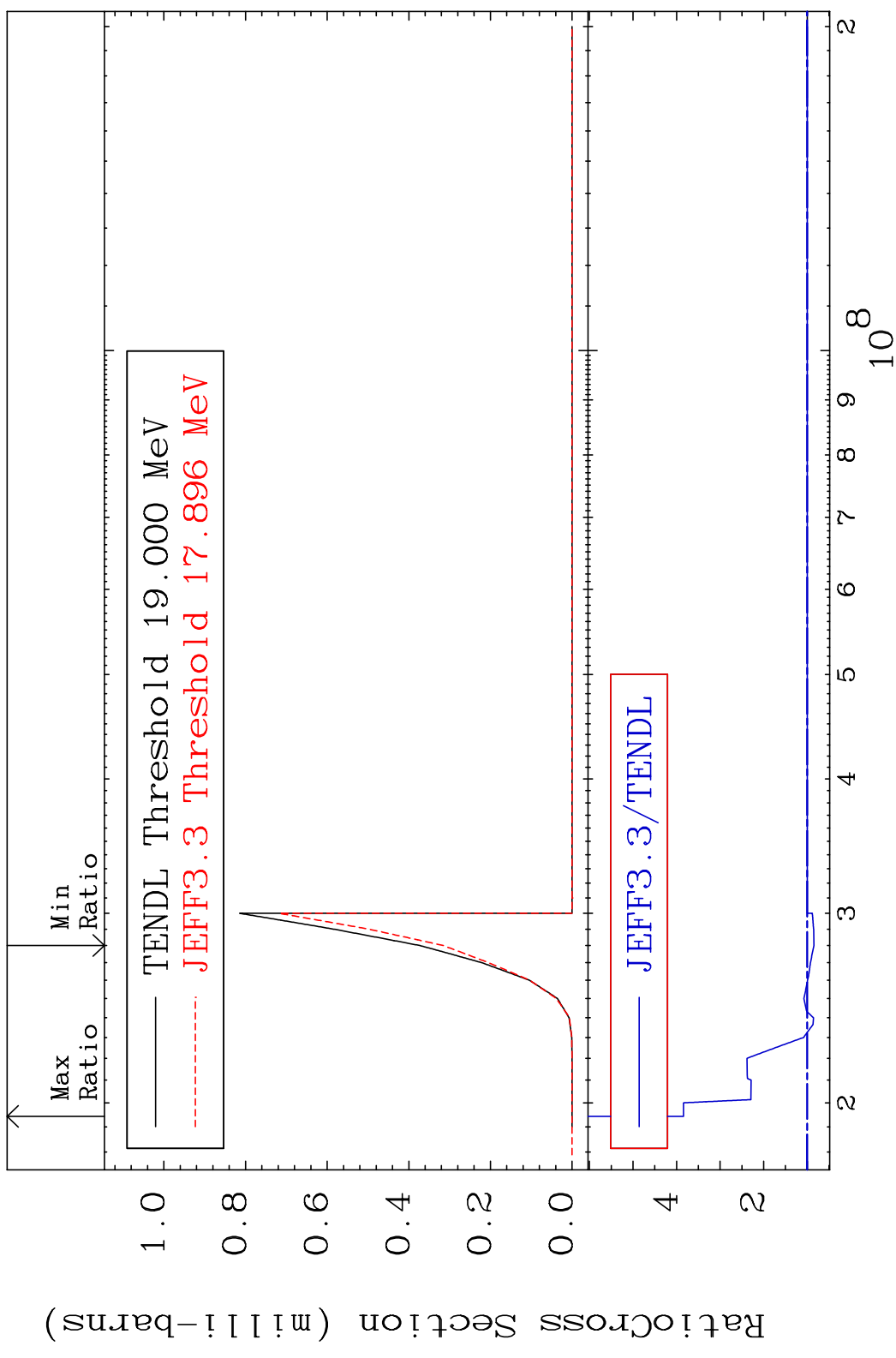
MAT 5055 (n, n') d:49-In-120g 50-Sn-122
 Radionuclide Production Cross Section 180000 d:0 1408. %



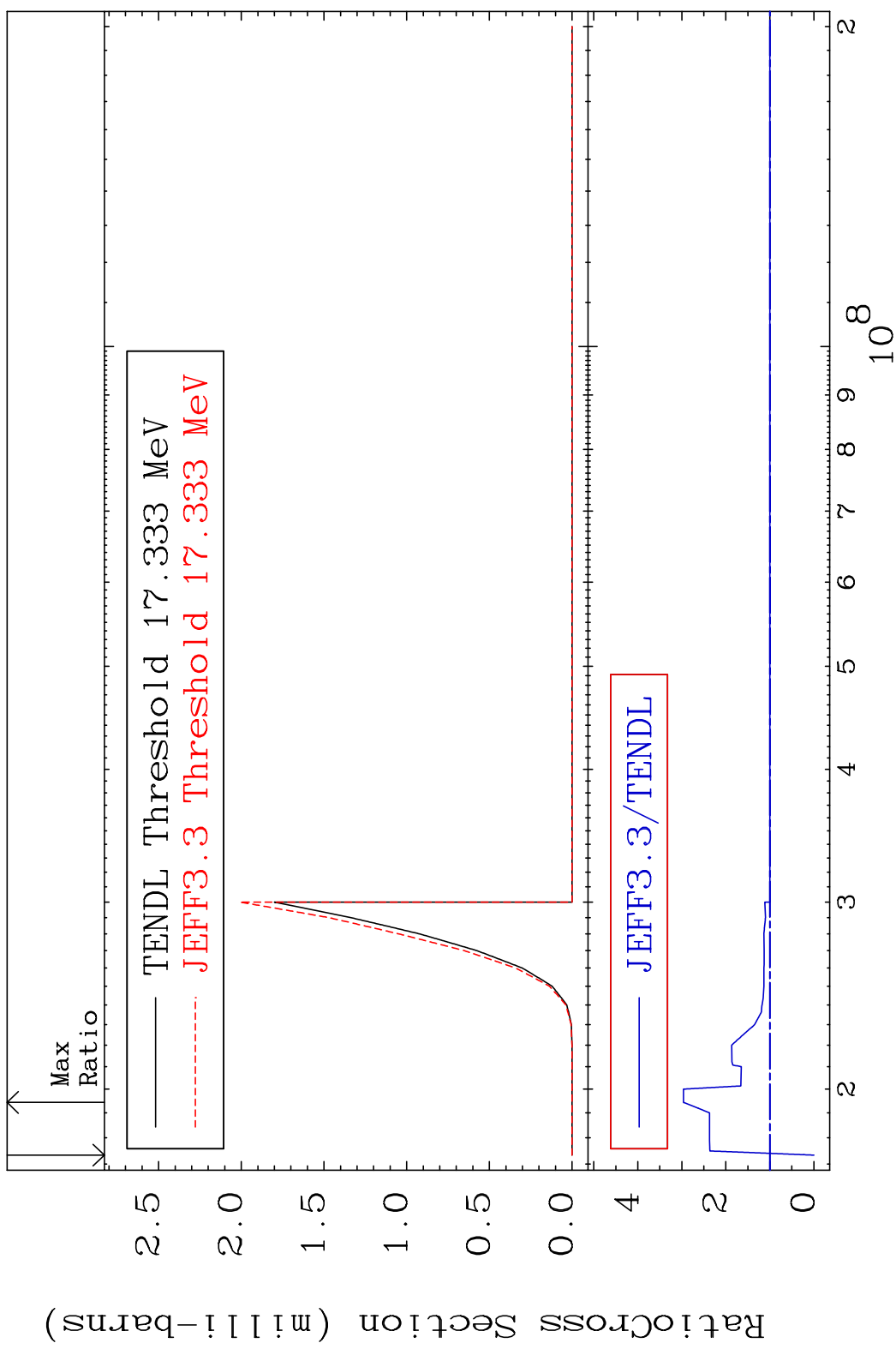
MAT 5055 (n, n') d:49-In-120m1 50-Sn-122
 Radionuclide Production Cross Section 4017. %

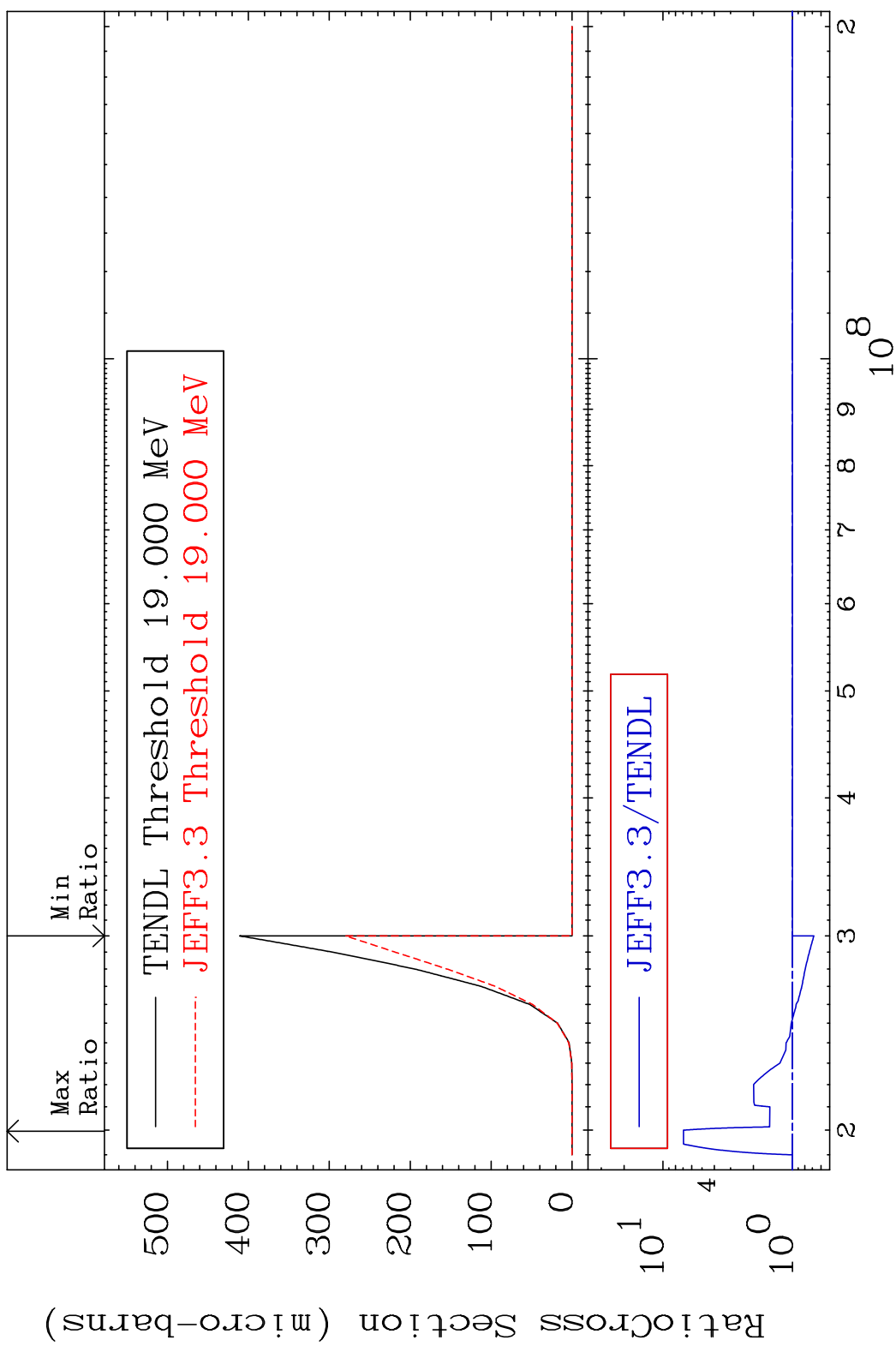


70 Incident Energy (eV) 50-Sn-122

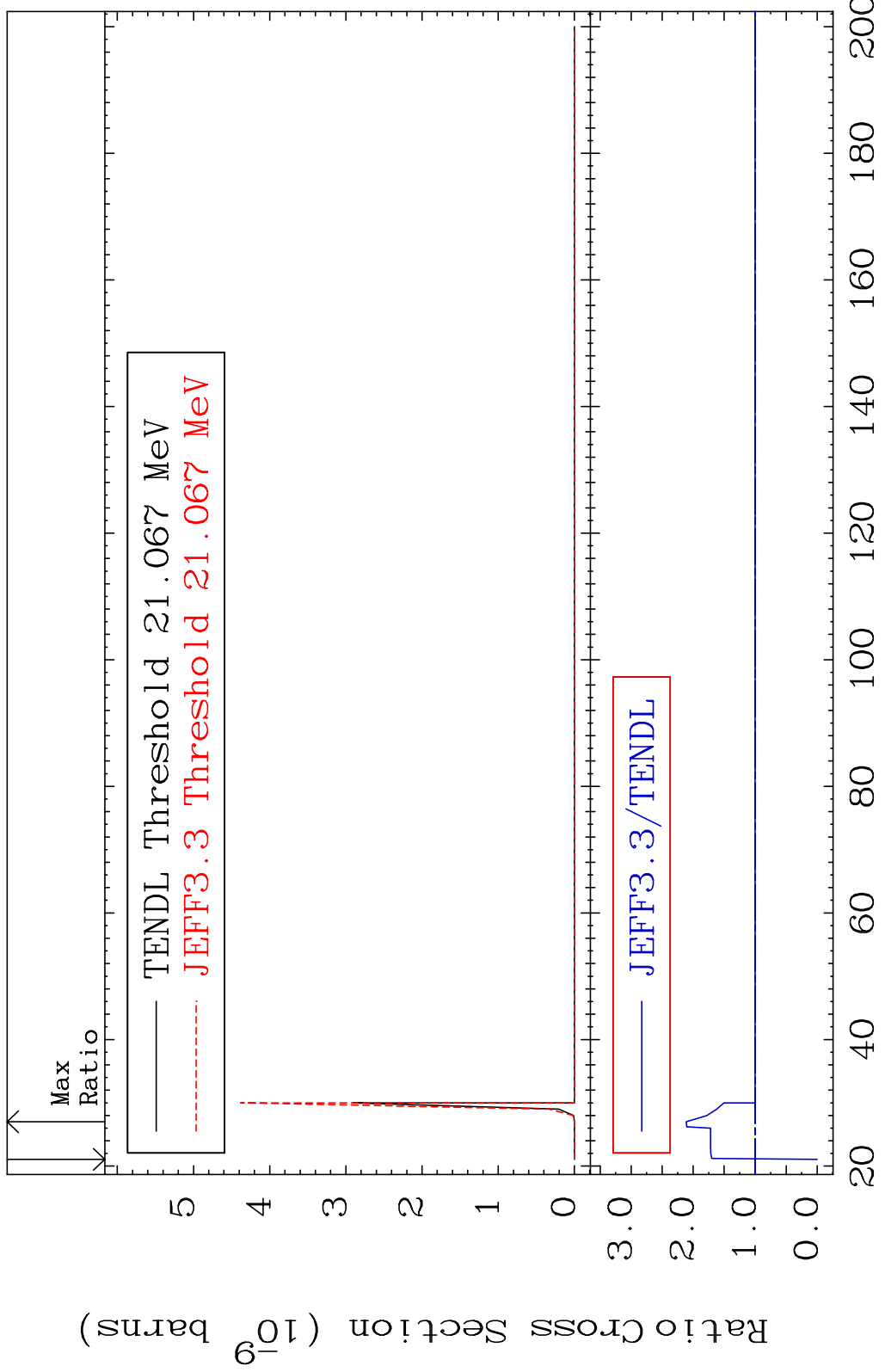


MAT 5055 (n, n') t:49-In-119g 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 196.3 %



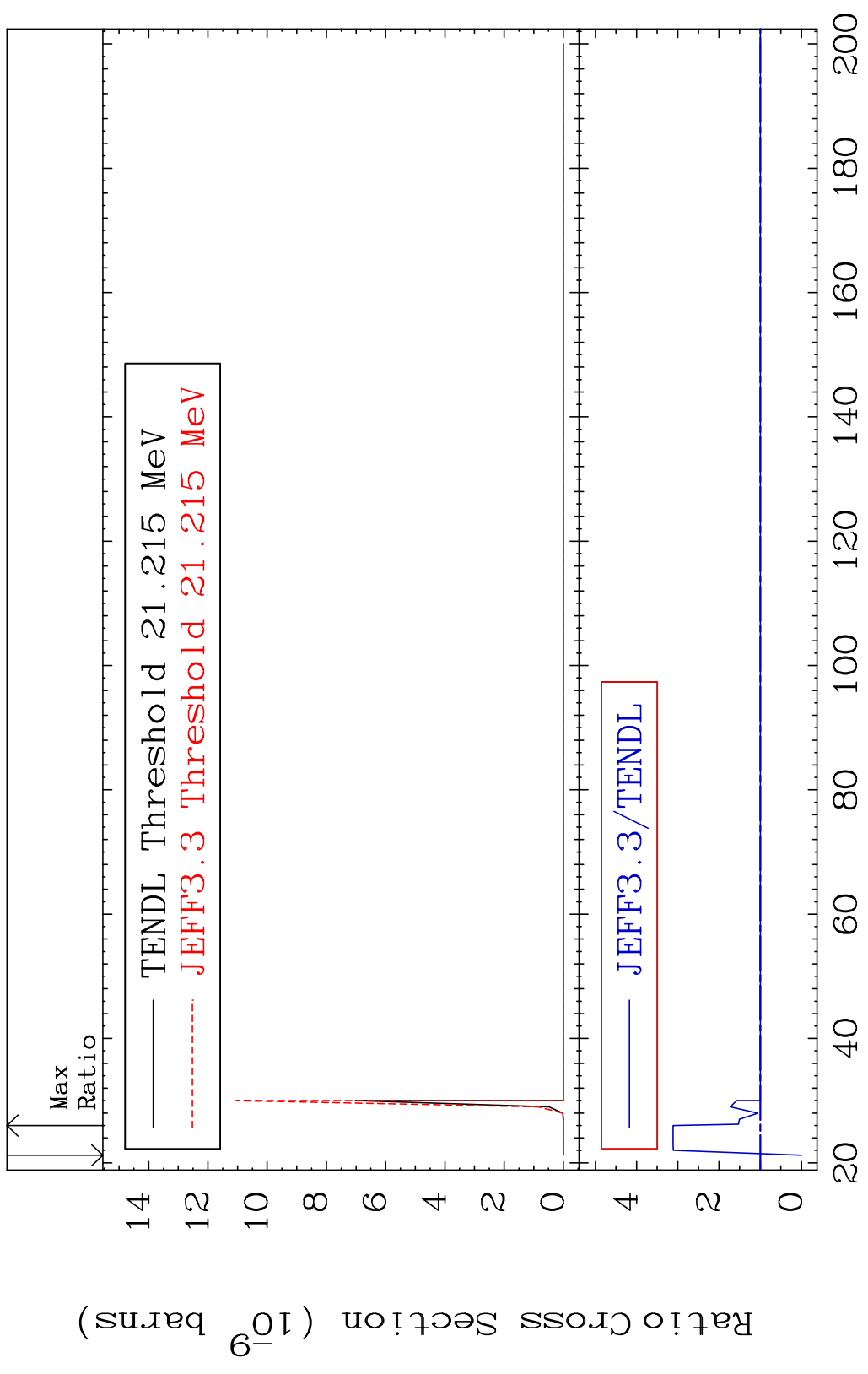


MAT 5055 (n, n') He-3: 48-Cd-119g 50-Sn-122
 Radionuclide Production Cross Section 1800.0 dpo 111.2 %



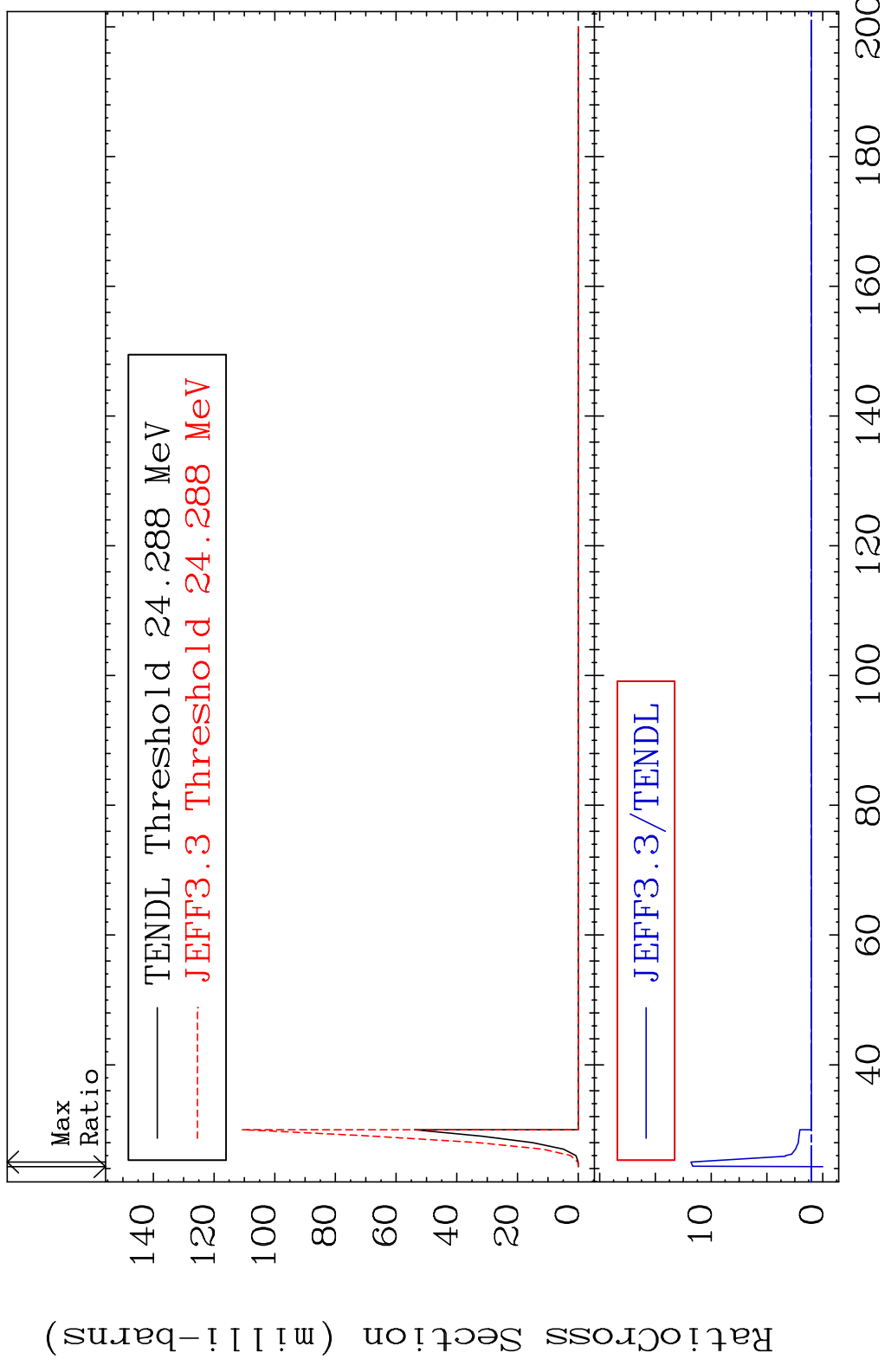
74 Incident Energy (MeV) 50-Sn-122

MAT 5055 (n, n') He-3:48-Cd-119m2 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 211.6 %



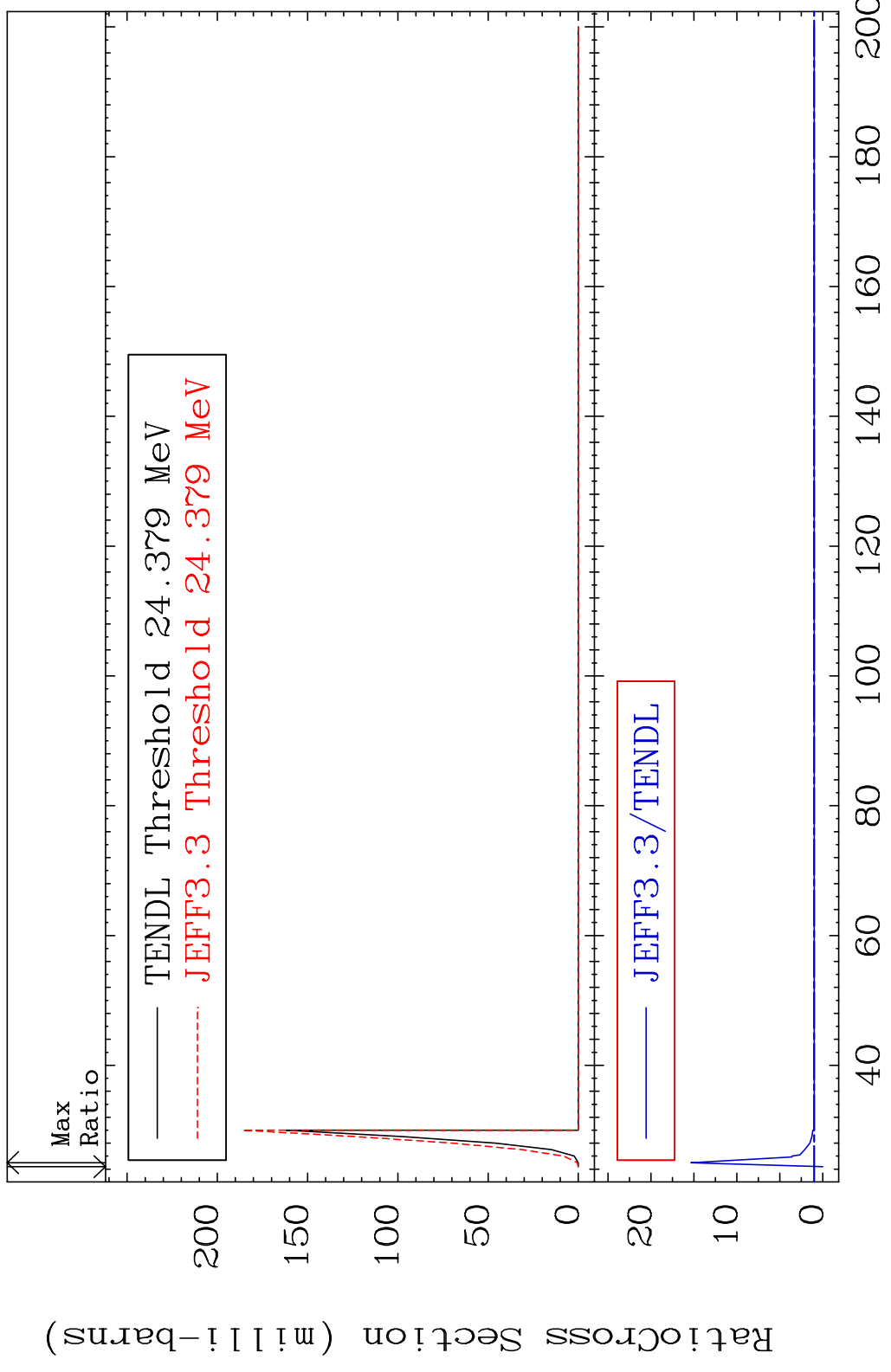
75 Incident Energy (MeV) 50-Sn-122

MAT 5055 (n, 4n):50-Sn-119g 50-Sn-122
 Radionuclide Production Cross Section 100.00 dpo 1082. %



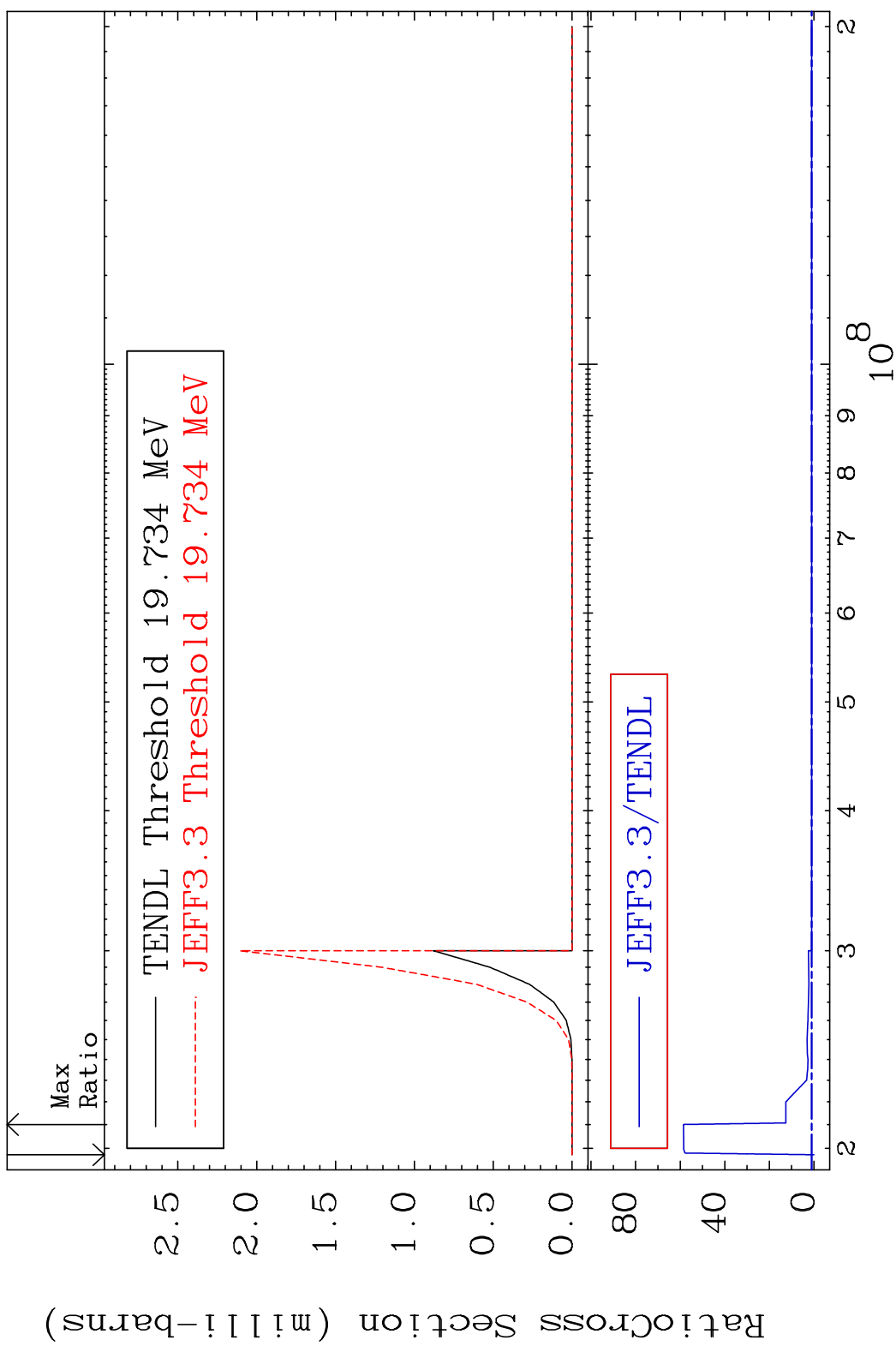
76 Incident Energy (MeV) 50-Sn-122

MAT 5055 (n, 4n):50-Sn-119m2 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 1435. %



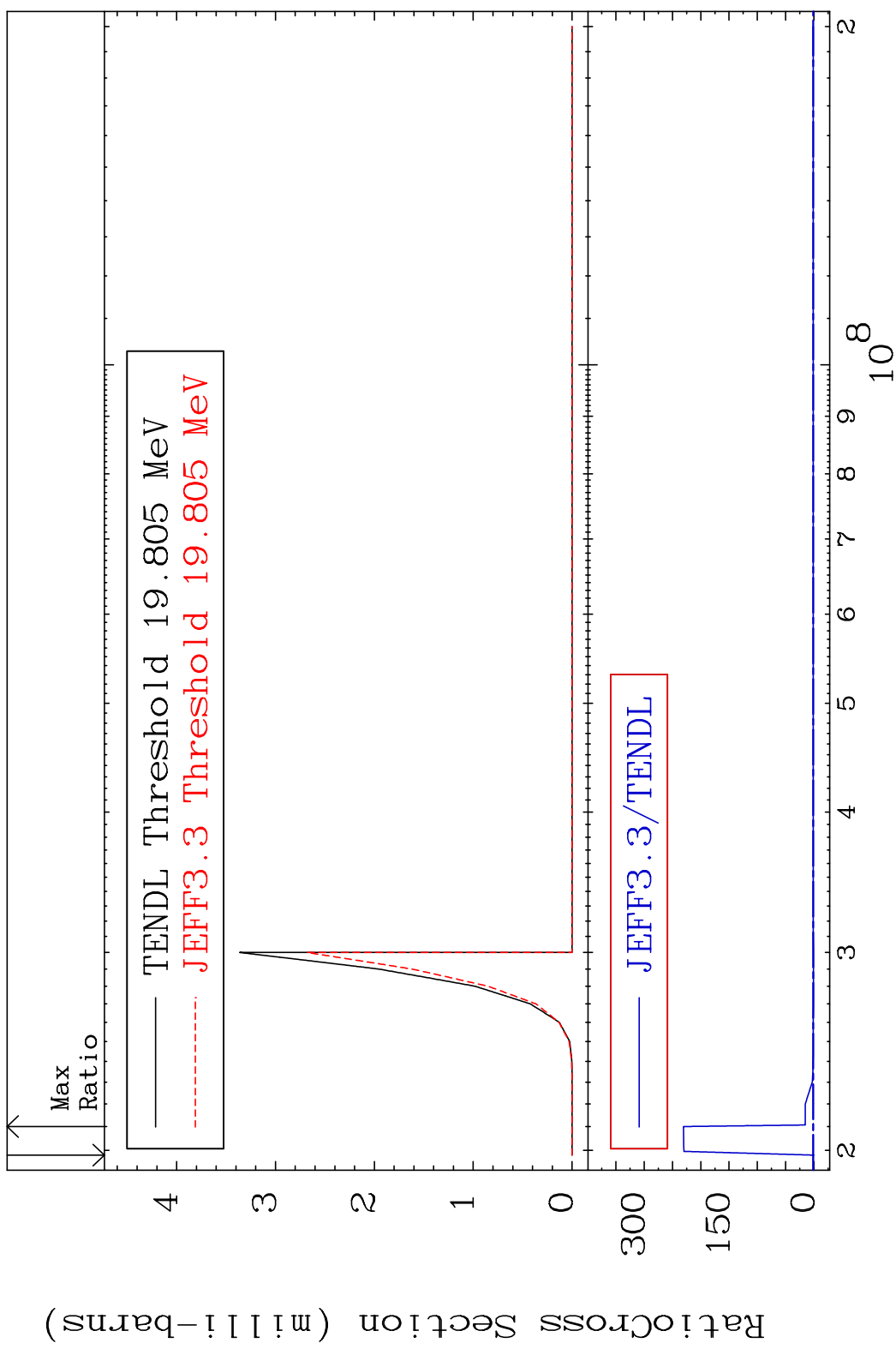
777 Incident Energy (MeV) 50-Sn-122

MAT 5055 (n,2n) p:49-In-120g 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 5753. %



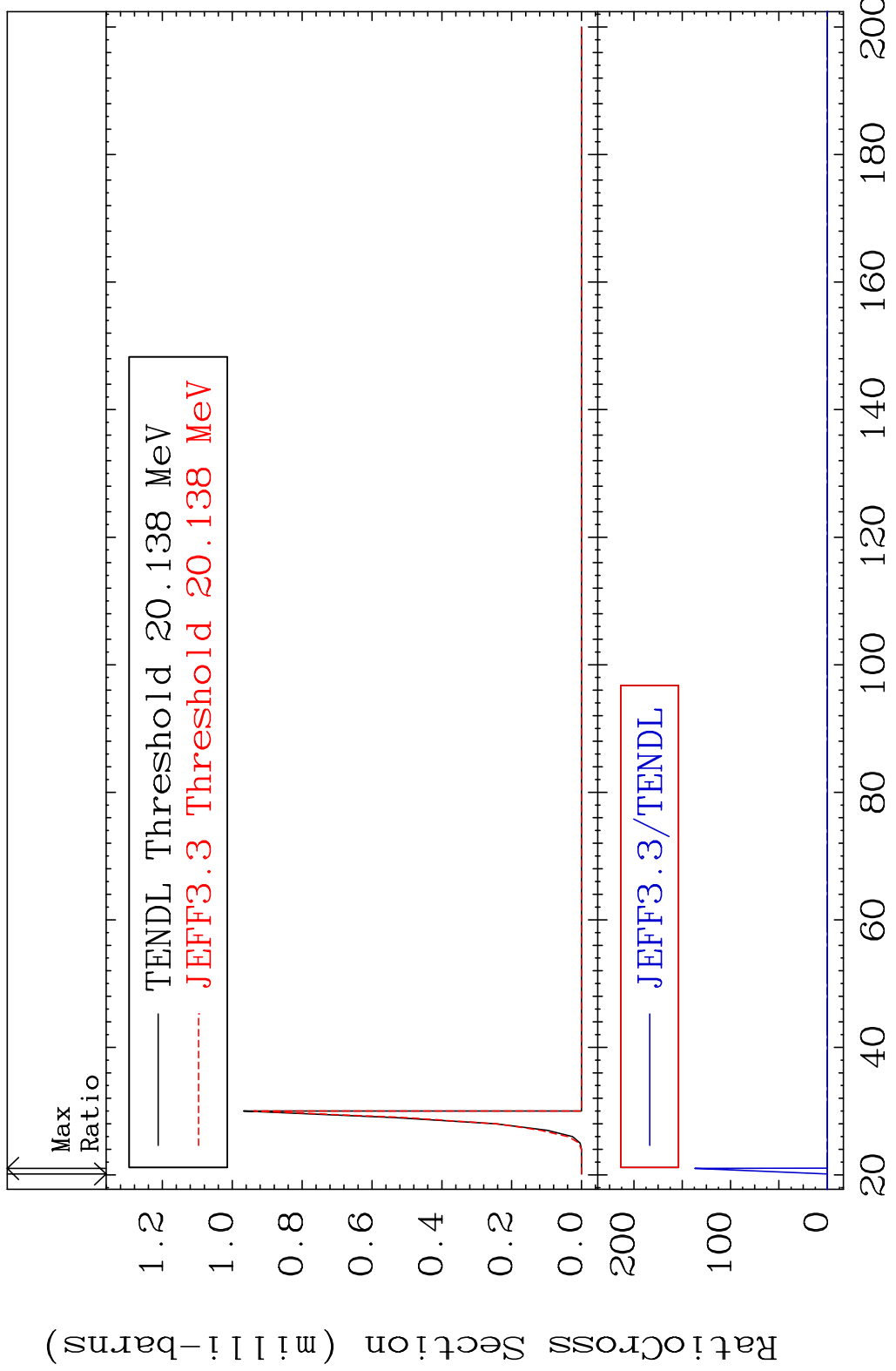
78 Incident Energy (eV) 50-Sn-122

MAT 5055 (n,2n) p:49-In-120m1 50-Sn-122
 Radionuclide Production Cross Section 10000 d to 9999. %



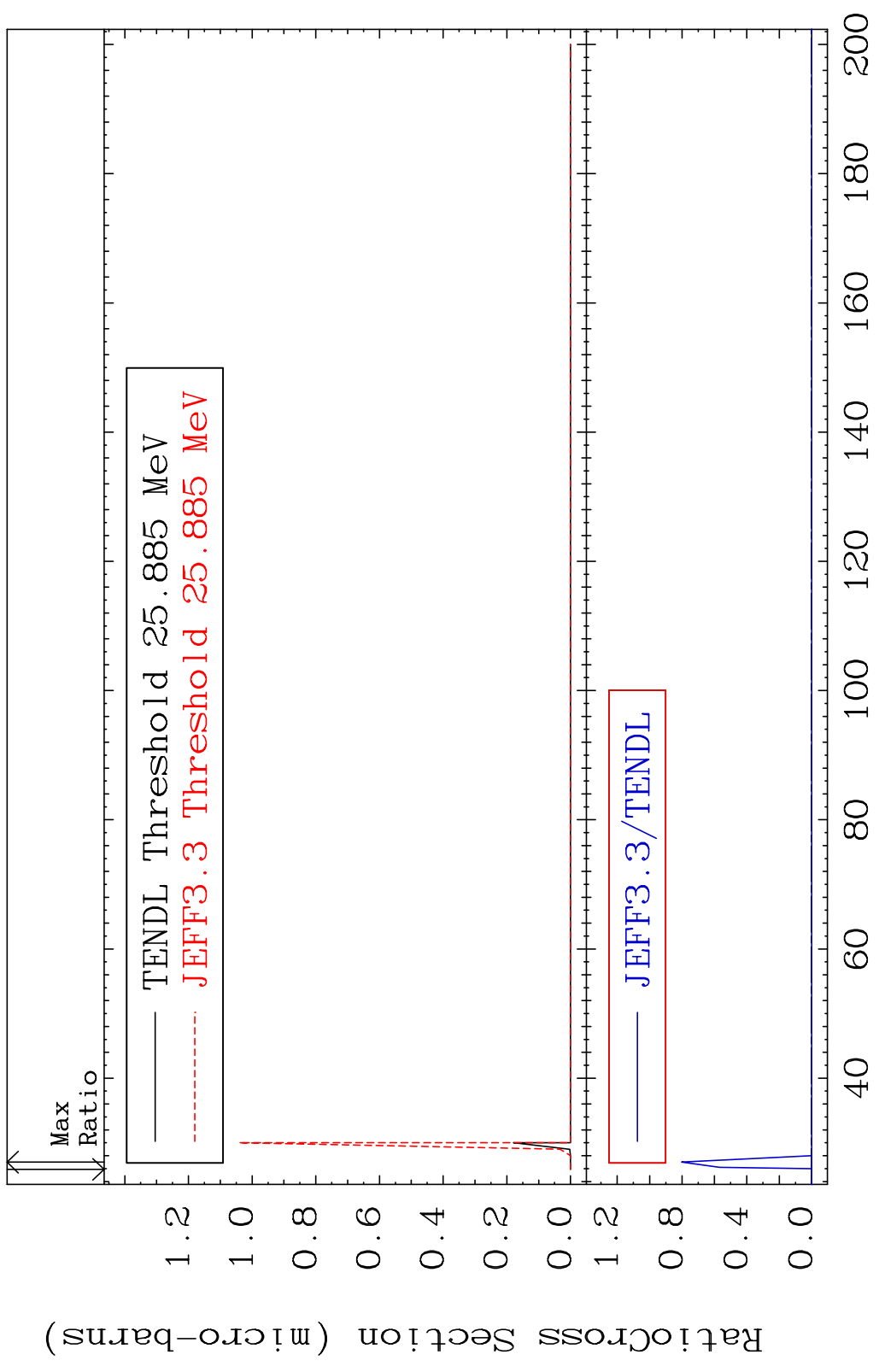
79 50-Sn-122

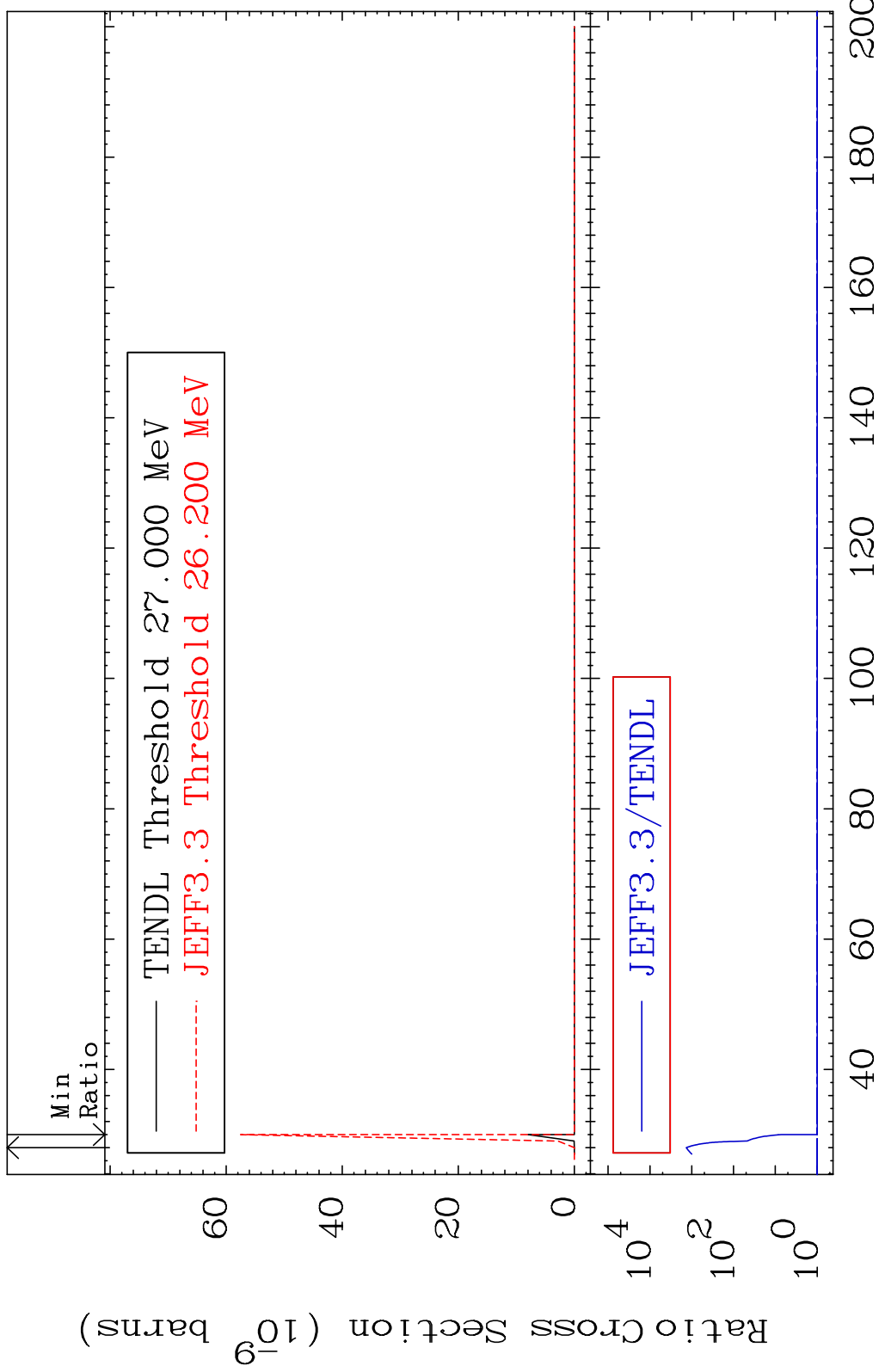
MAT 5055 (n,2n) p:49-In-120m2 50-Sn-122
 Radionuclide Production Cross Section 10000 to 9999. %



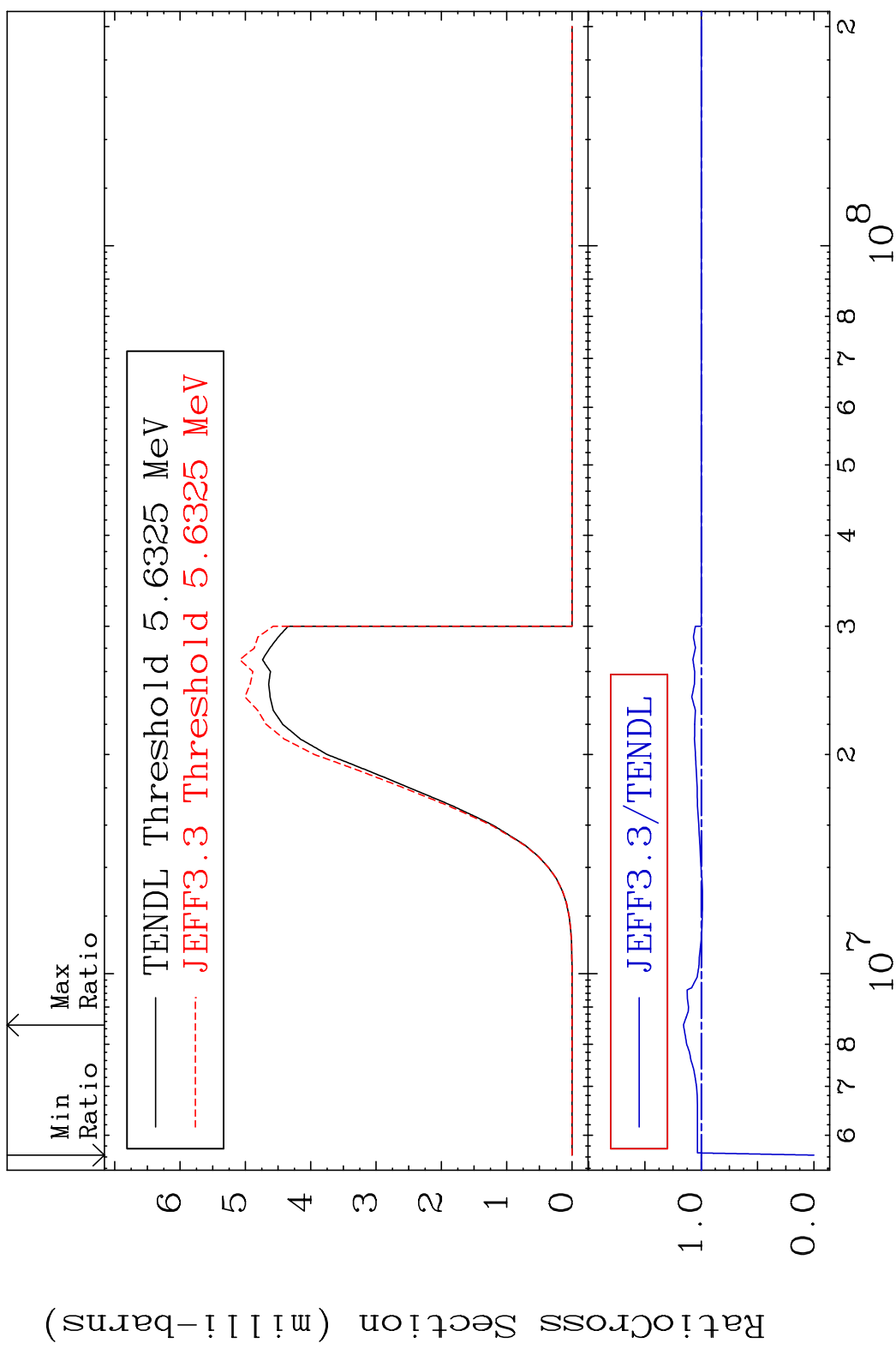
80 50-Sn-122

MAT 5055 (n,3n) p:49-In-119g 50-Sn-122
 Radionuclide Production Cross Section 10000 to 9999. %

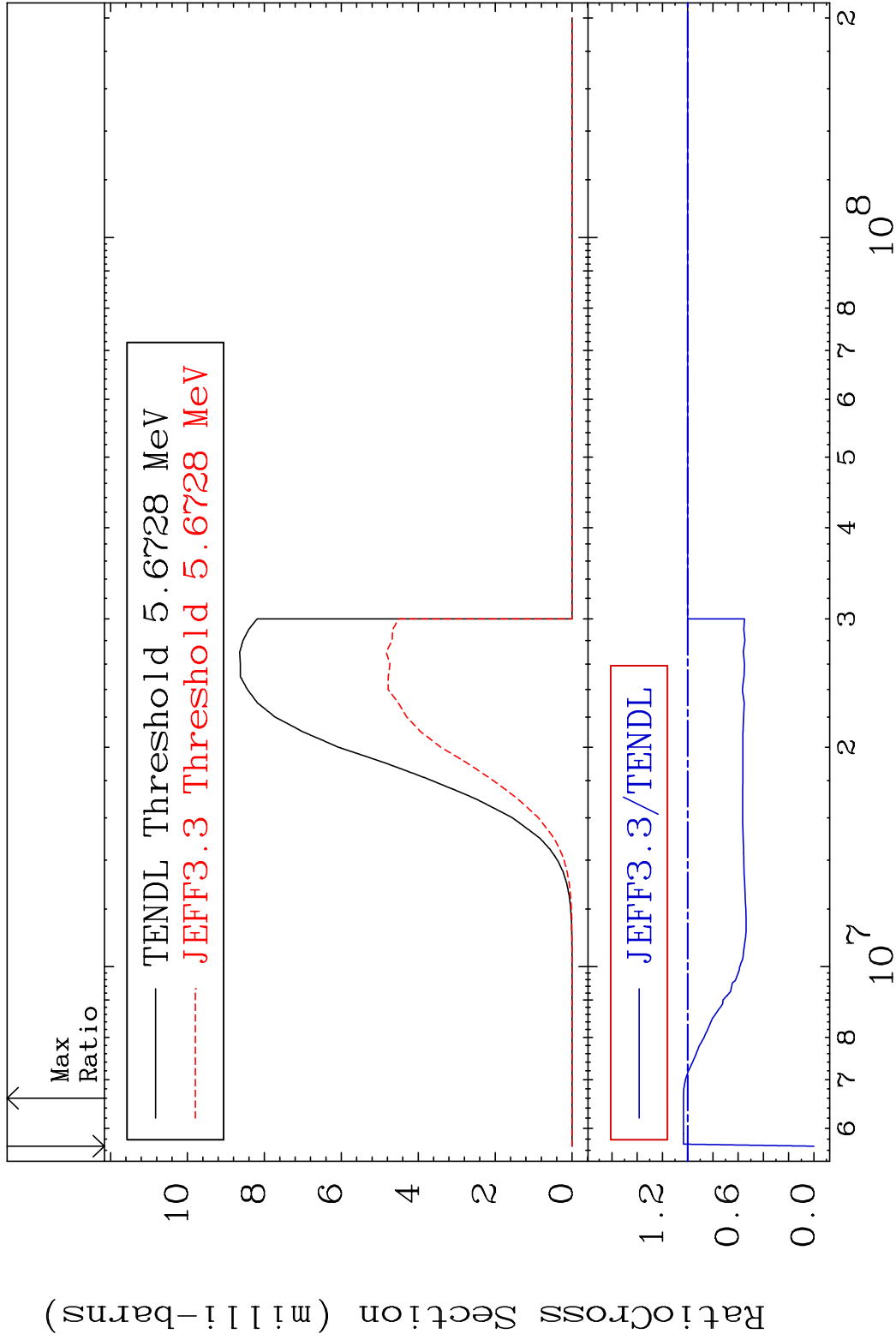




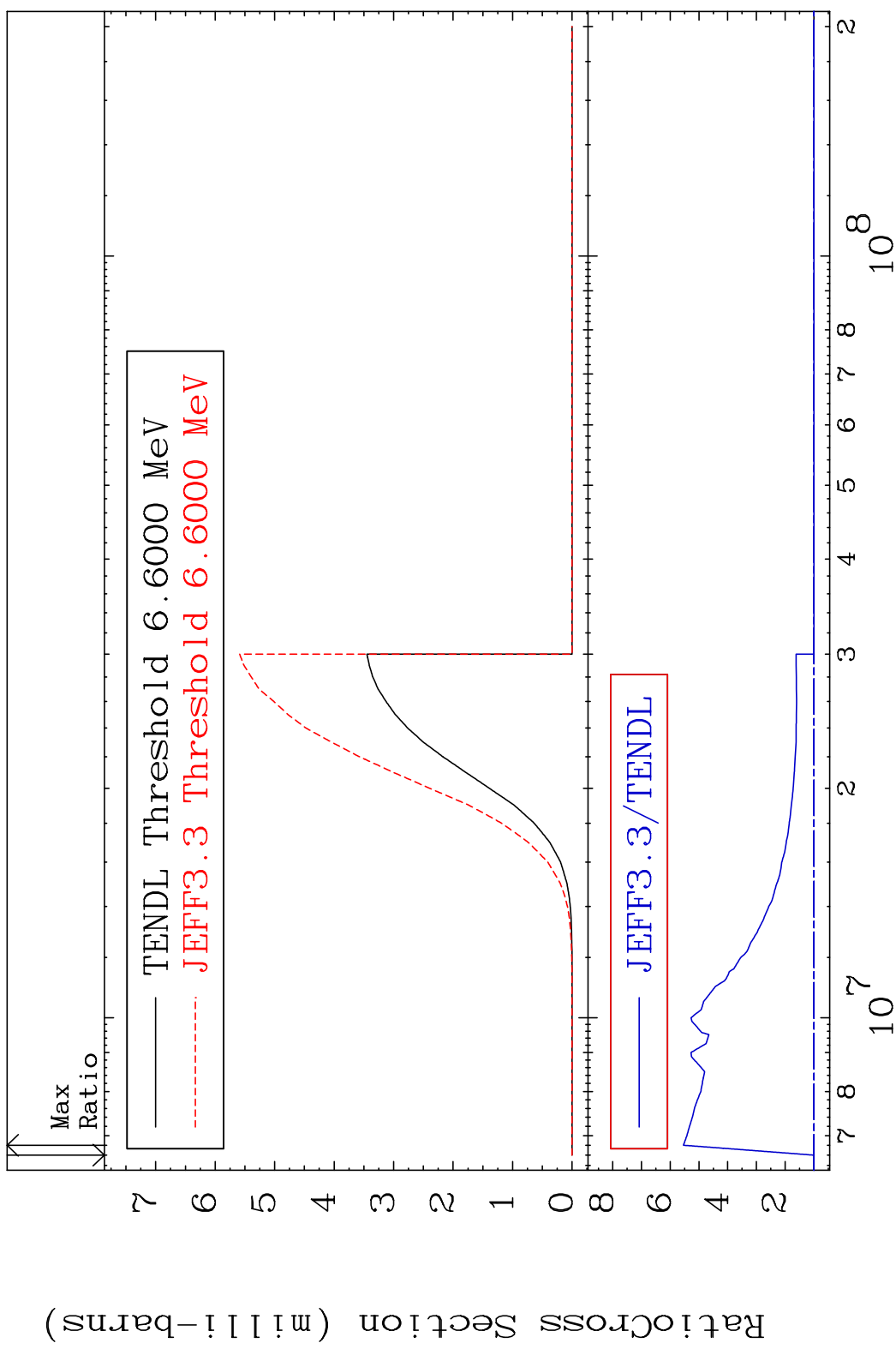
MAT 5055 (n,p):49-In-122g 50-Sn-122
 Radionuclide Production Cross Section 18000 dth 15.79 %



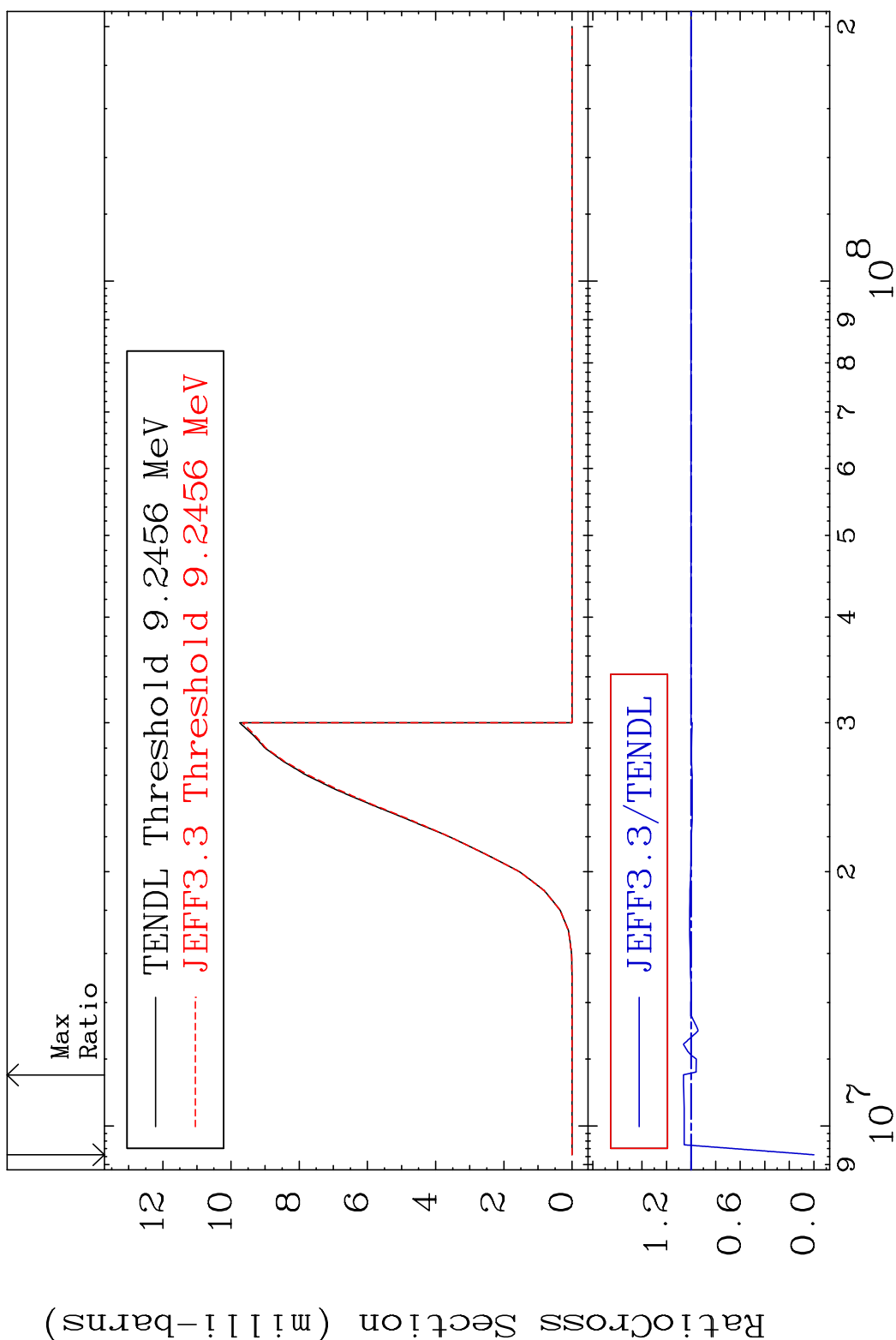
MAT 5055 (n,p):49-In-122m1 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 3.329 %



MAT 5055 (n, p): 49-In-122m5 50-Sn-122
 Radionuclide Production Cross Section 454.0 %

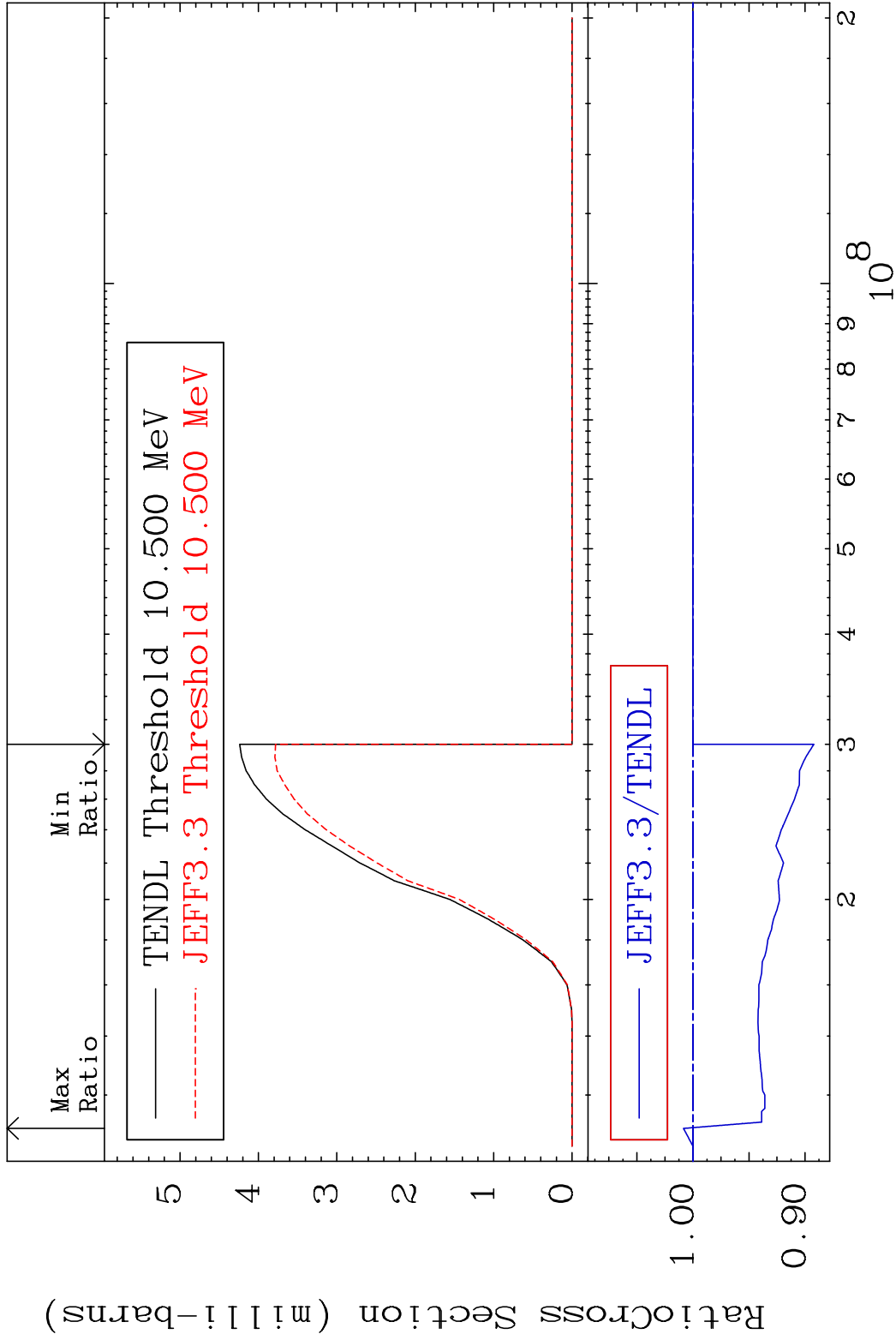


MAT 5055 (n,d):49-In-121g 50-Sn-122
 Radionuclide Production Cross Section 180000 dth 6.202 %



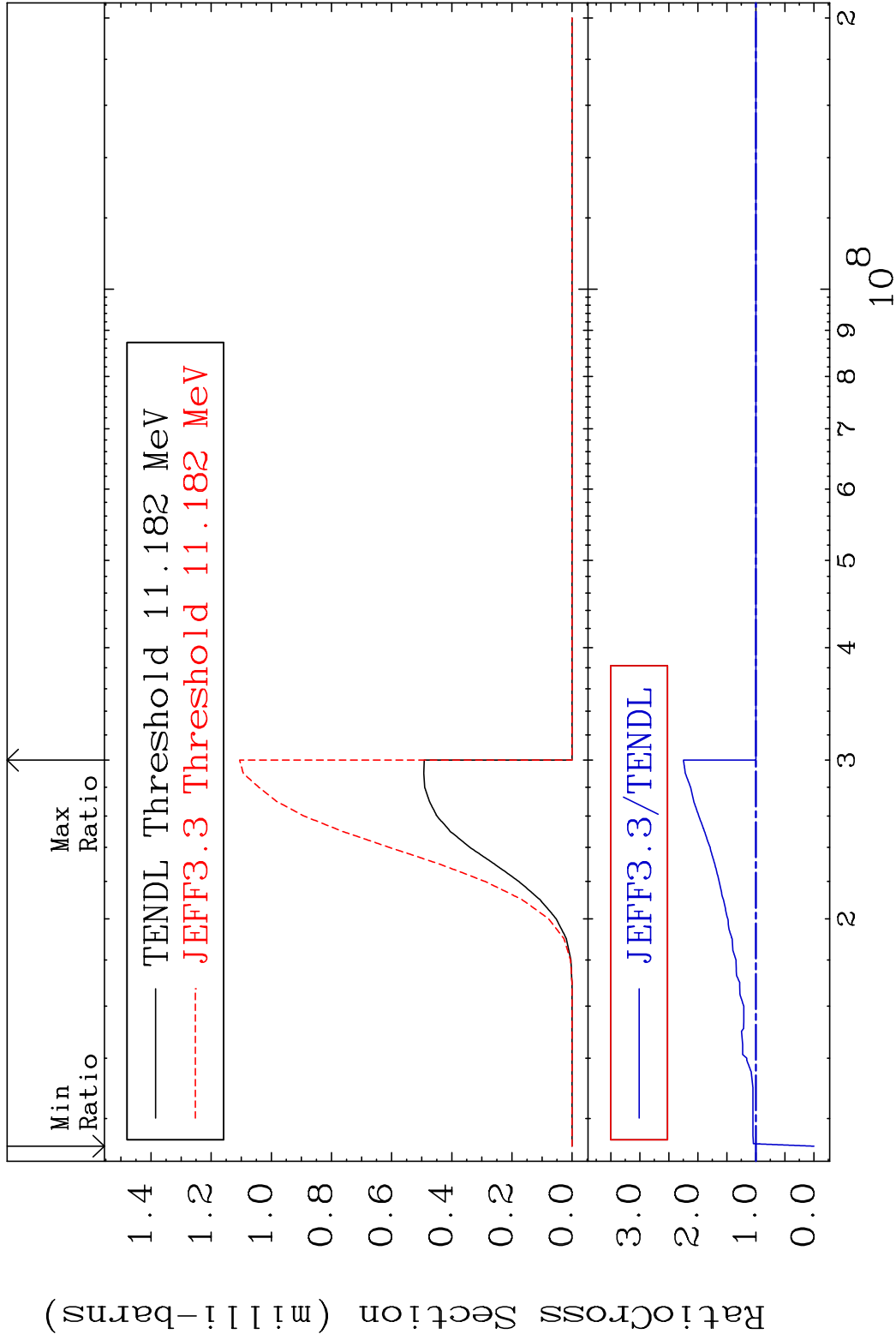
86 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, d): 49-In-121m1 50-Sn-122
 Radionuclide Production Cross Section 18e79 d10 0.844 %

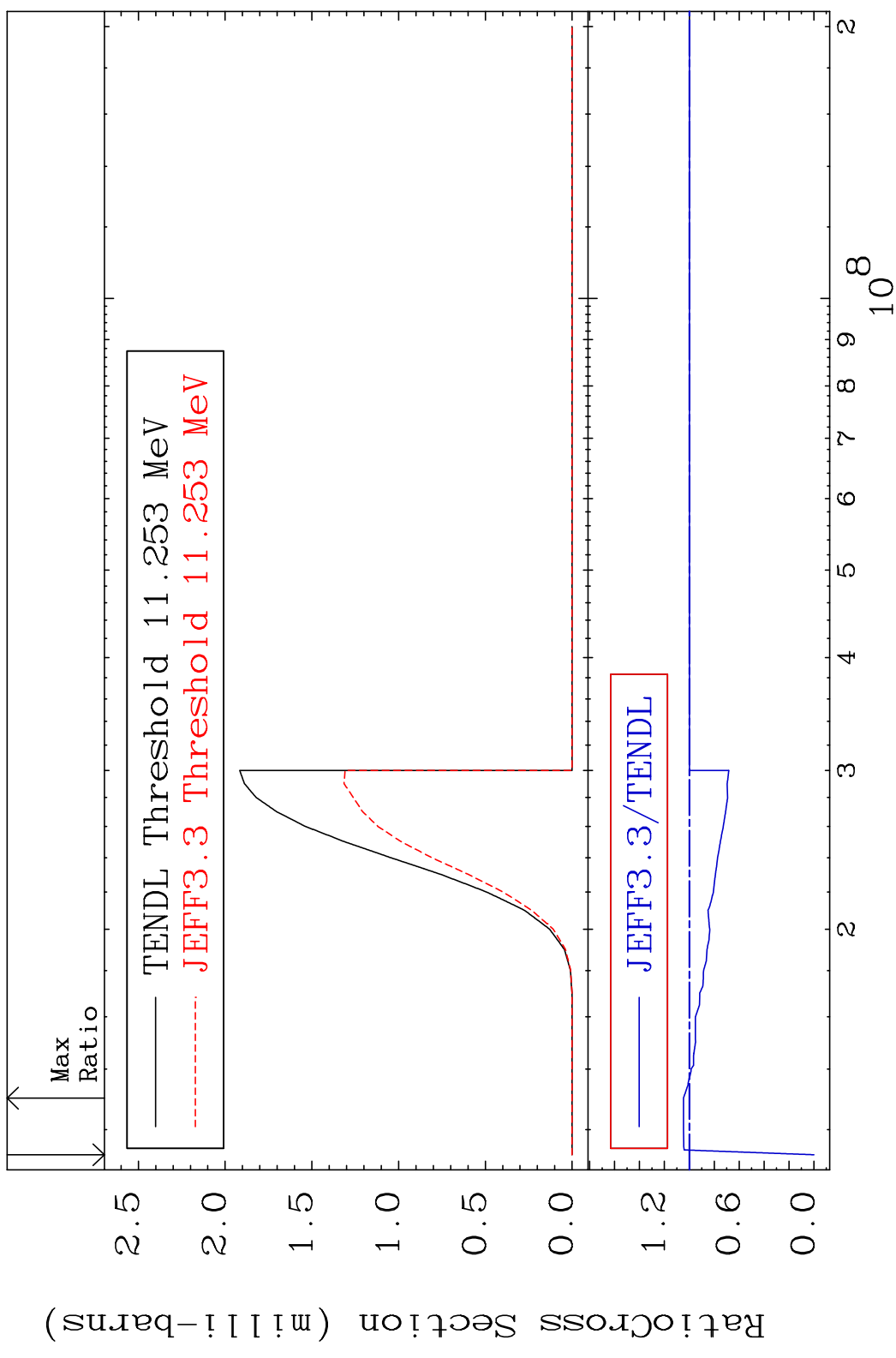


87 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, t): 49-In-120g 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 124.8 %

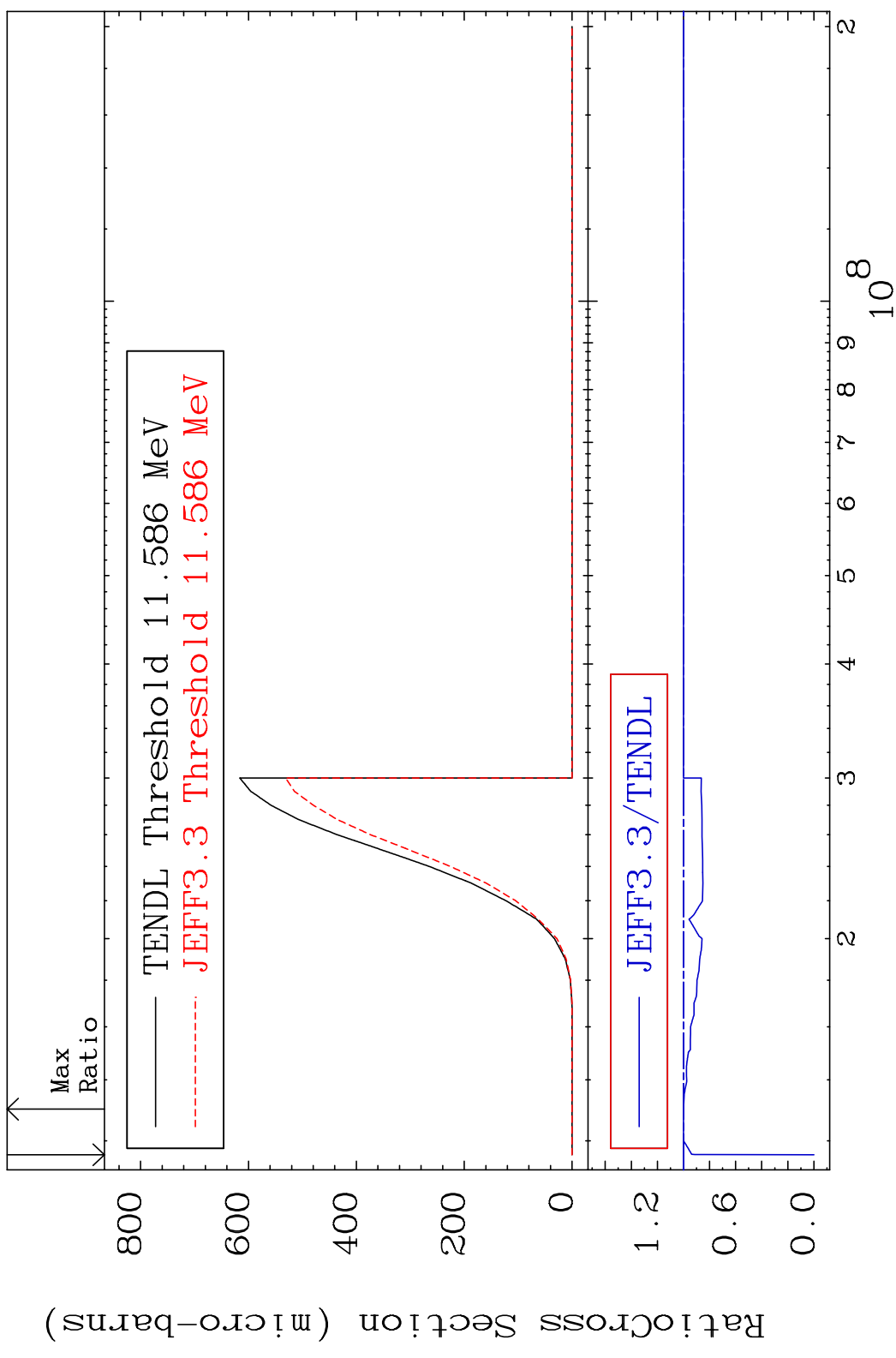


MAT 5055 (n, t): 49-In-120m1 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 4.711 %

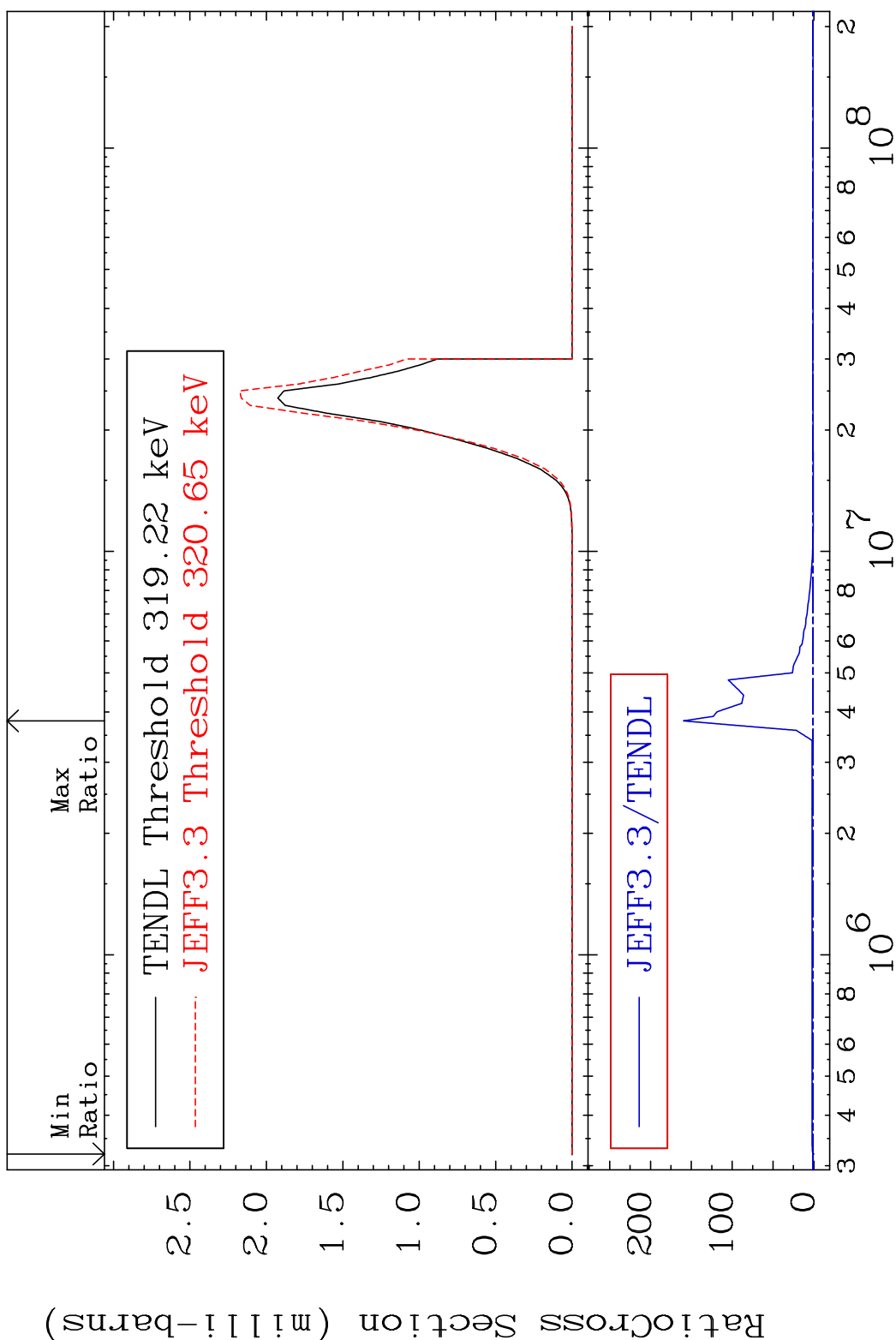


89 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, t):49-In-120m2 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 0.009 %

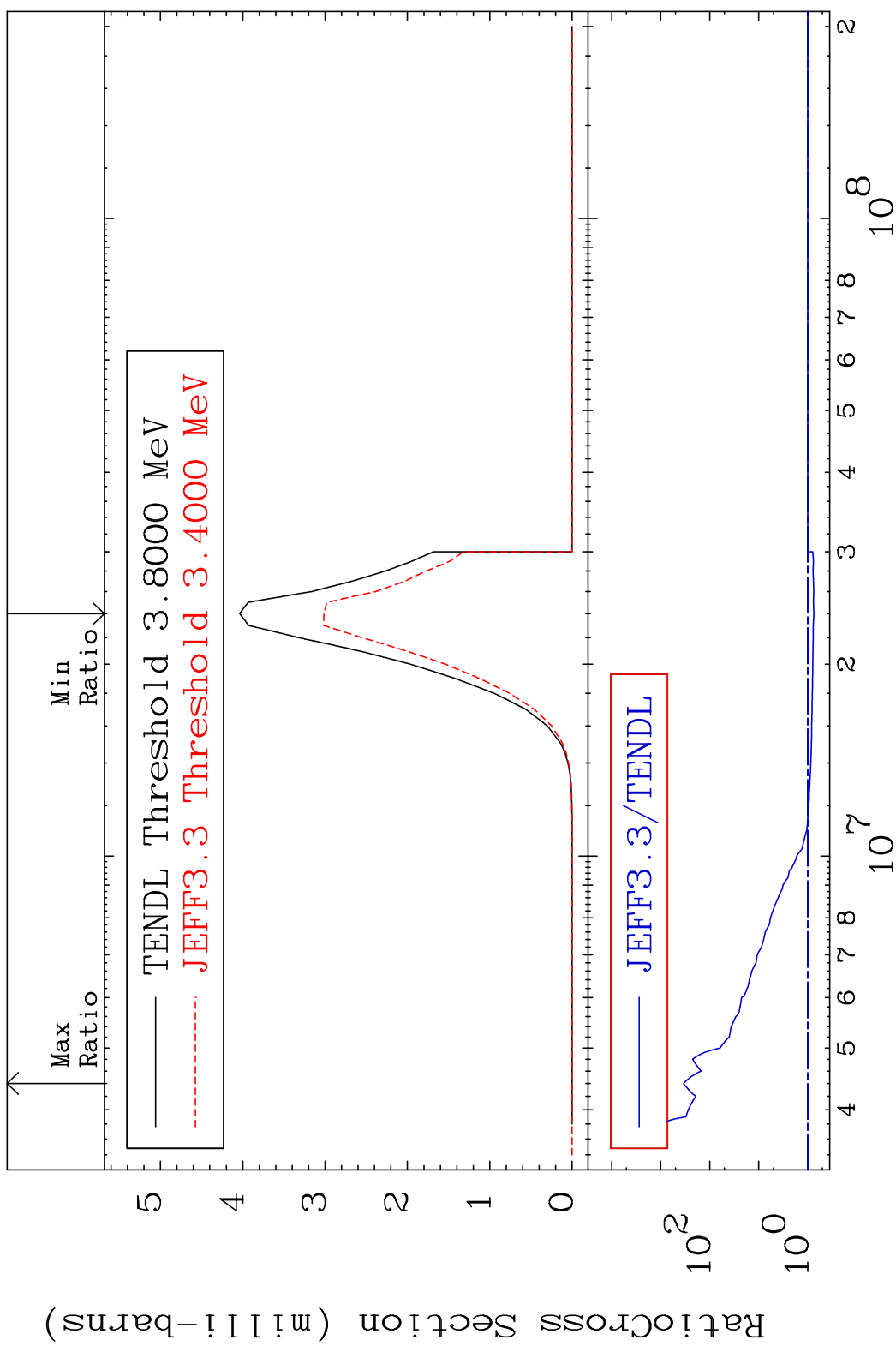


MAT 5055 (n, α): 48-Cd-119g 50-Sn-122
 Radionuclide Production Cross Section 10000 to 9999. %

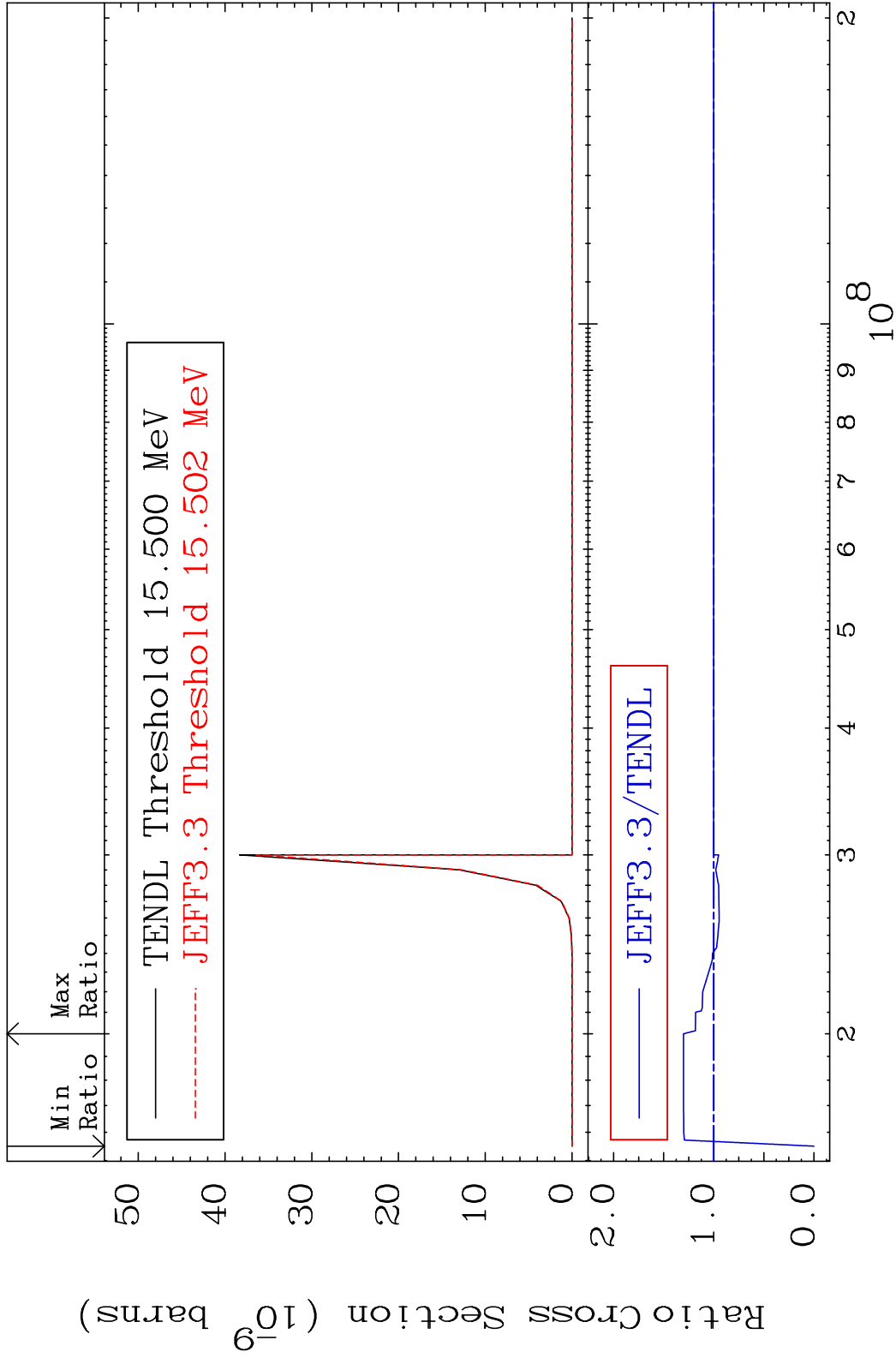


91 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, α): 48-Cd-119m2 50-Sn-122
 Radionuclide Production Cross Section to 9999. %



MAT 5055 (n,2p) : 48-Cd-121g 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 30.26 %



MAT 5055 (n, 2p) : 48-Cd-121m2 50-Sn-122
 Radionuclide Production Cross Section 180000 dpo 35.27 %

