

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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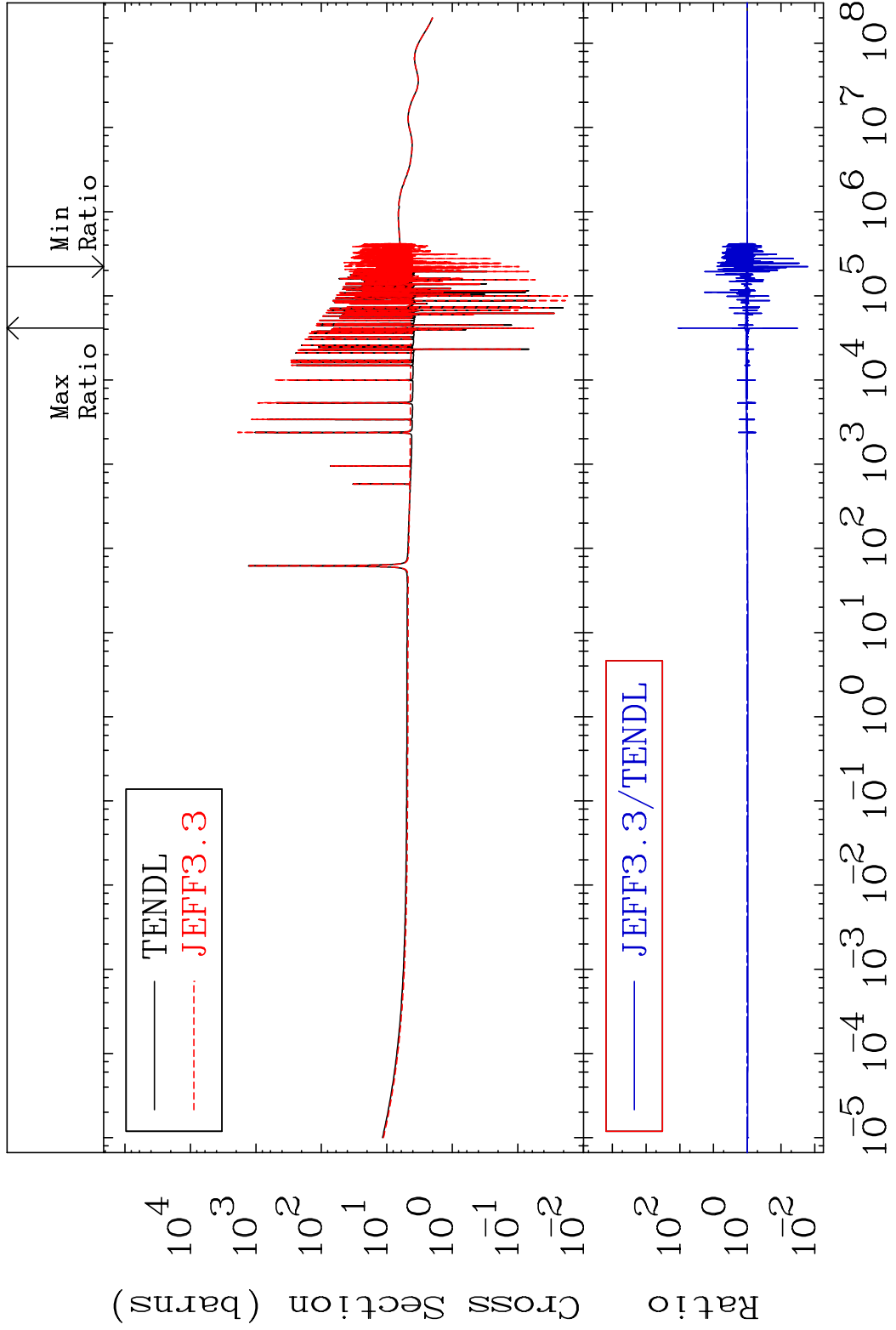
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5061 Total 50-Sn-124
Cross Section -98.37 To 9999. %



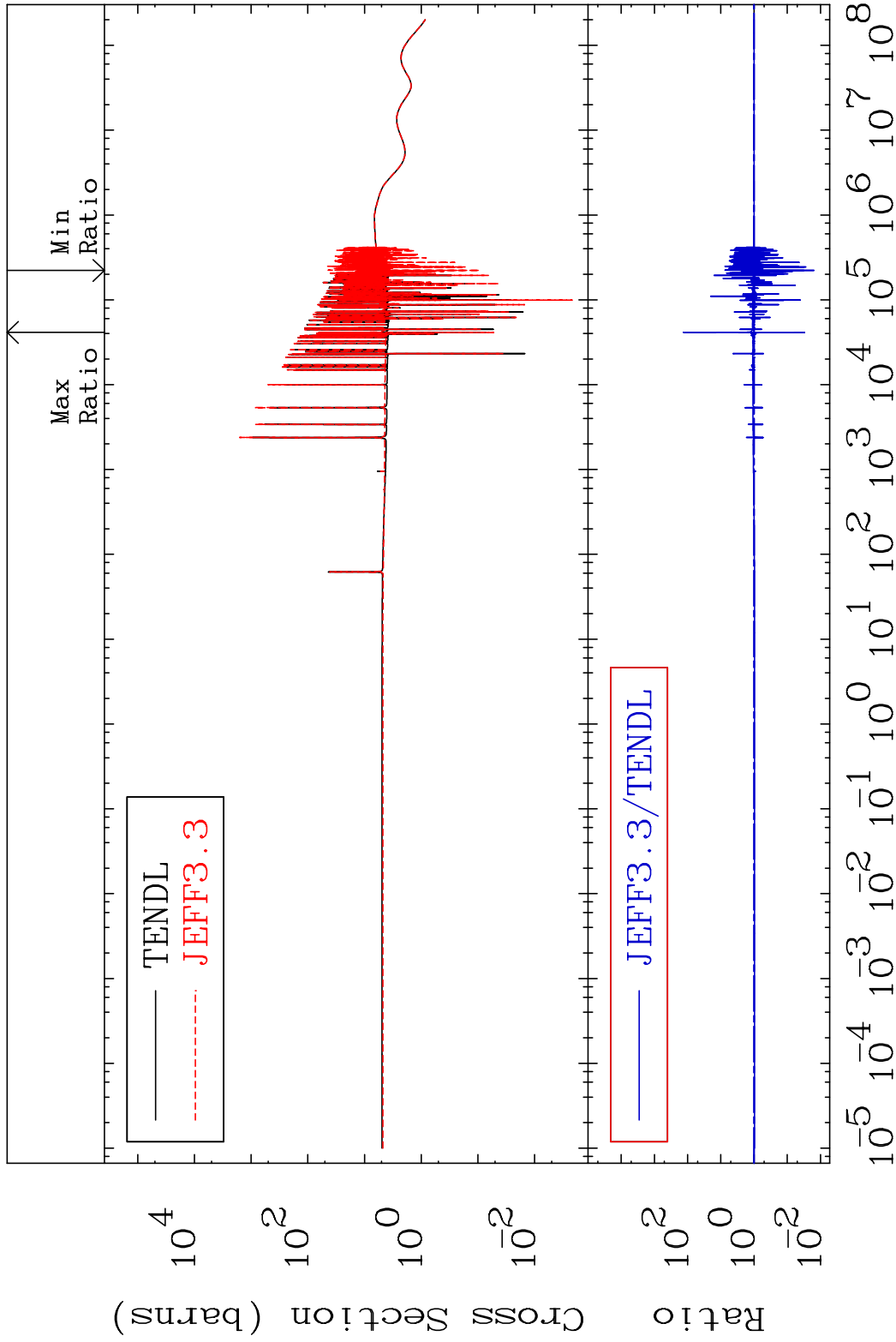
1 Incident Energy (eV) 50-Sn-124

MAT 5061

Elastic

50-Sn-124

Cross Section -98.42 To 9999. %

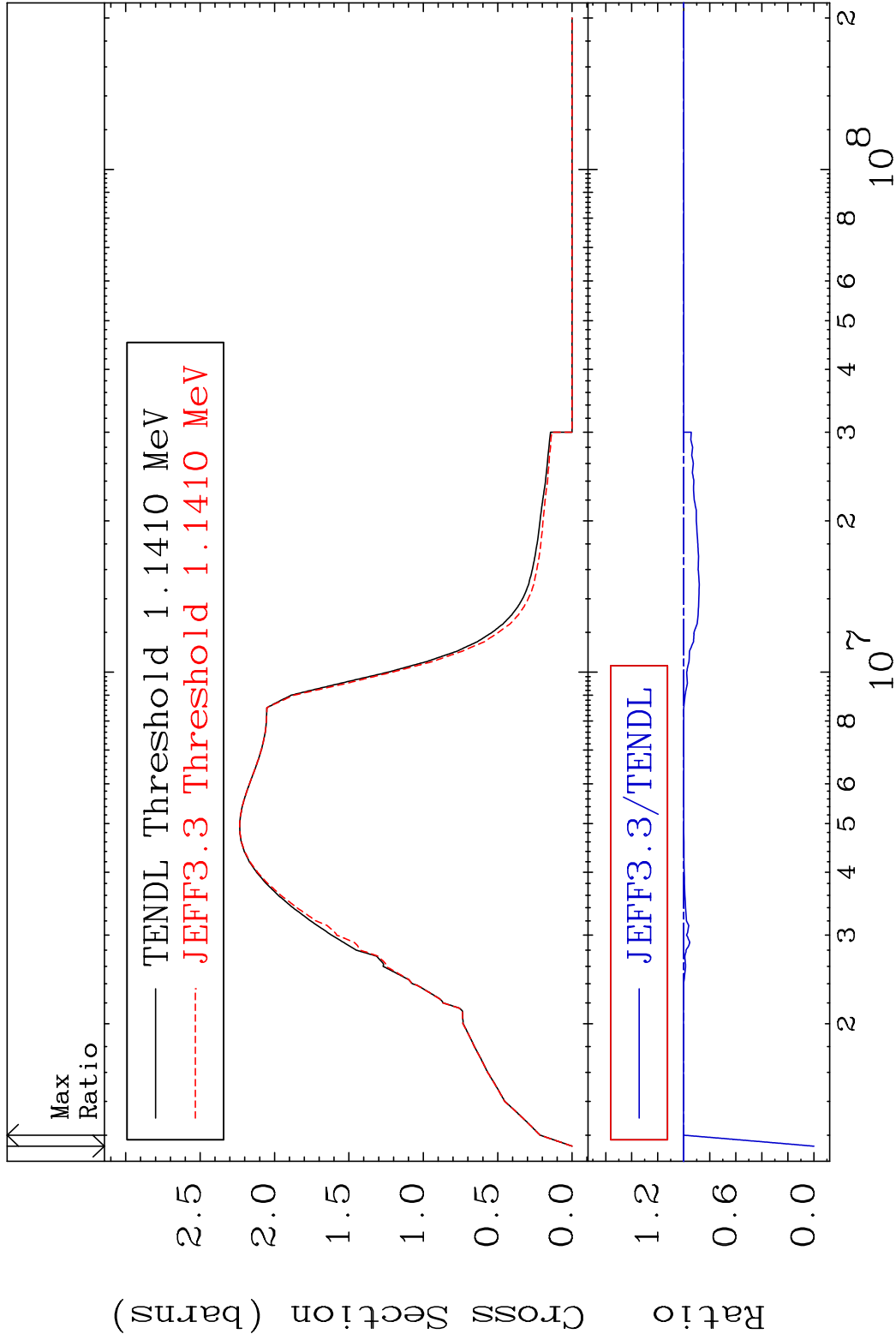


2

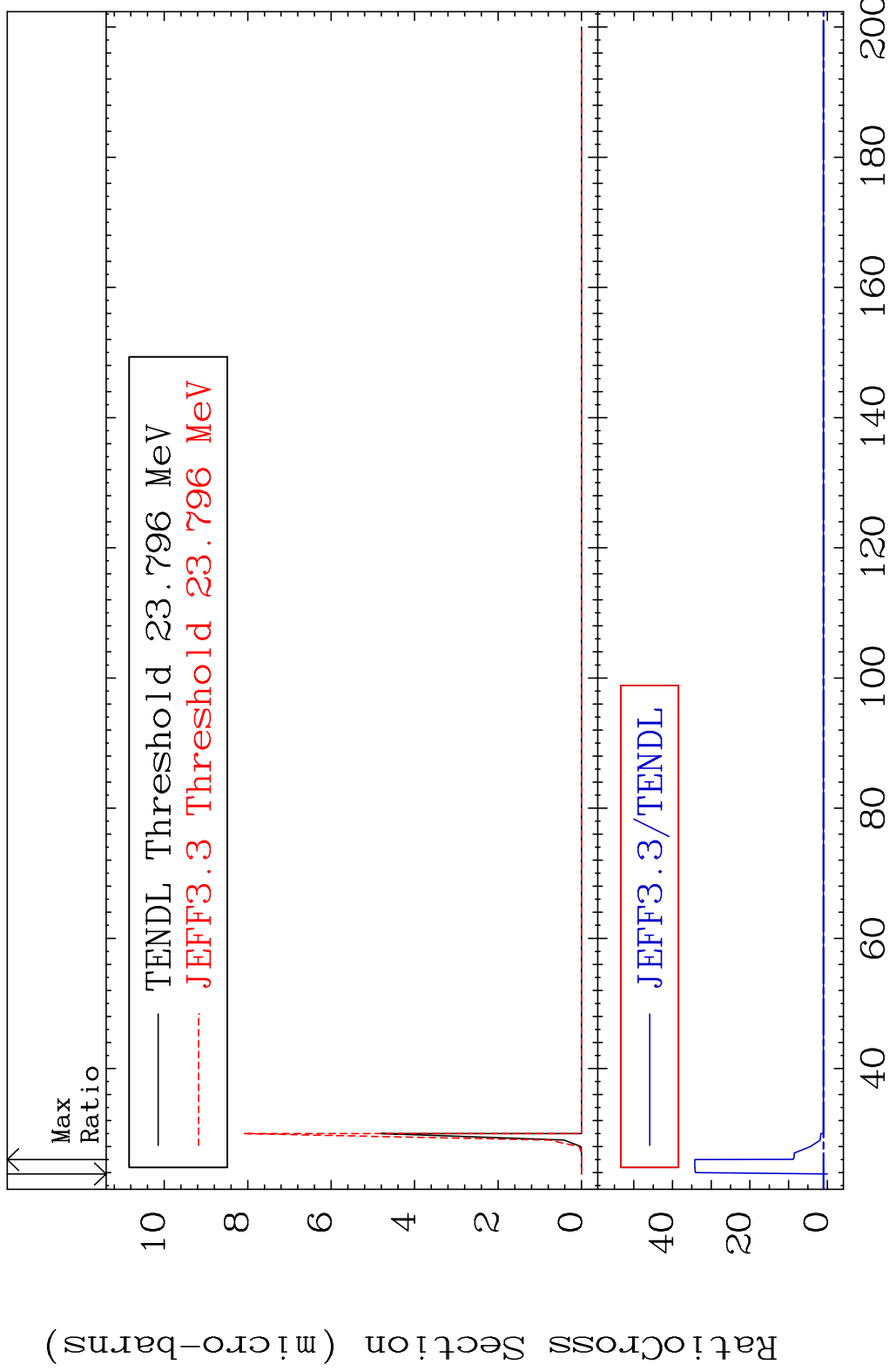
Incident Energy (eV)

50-Sn-124

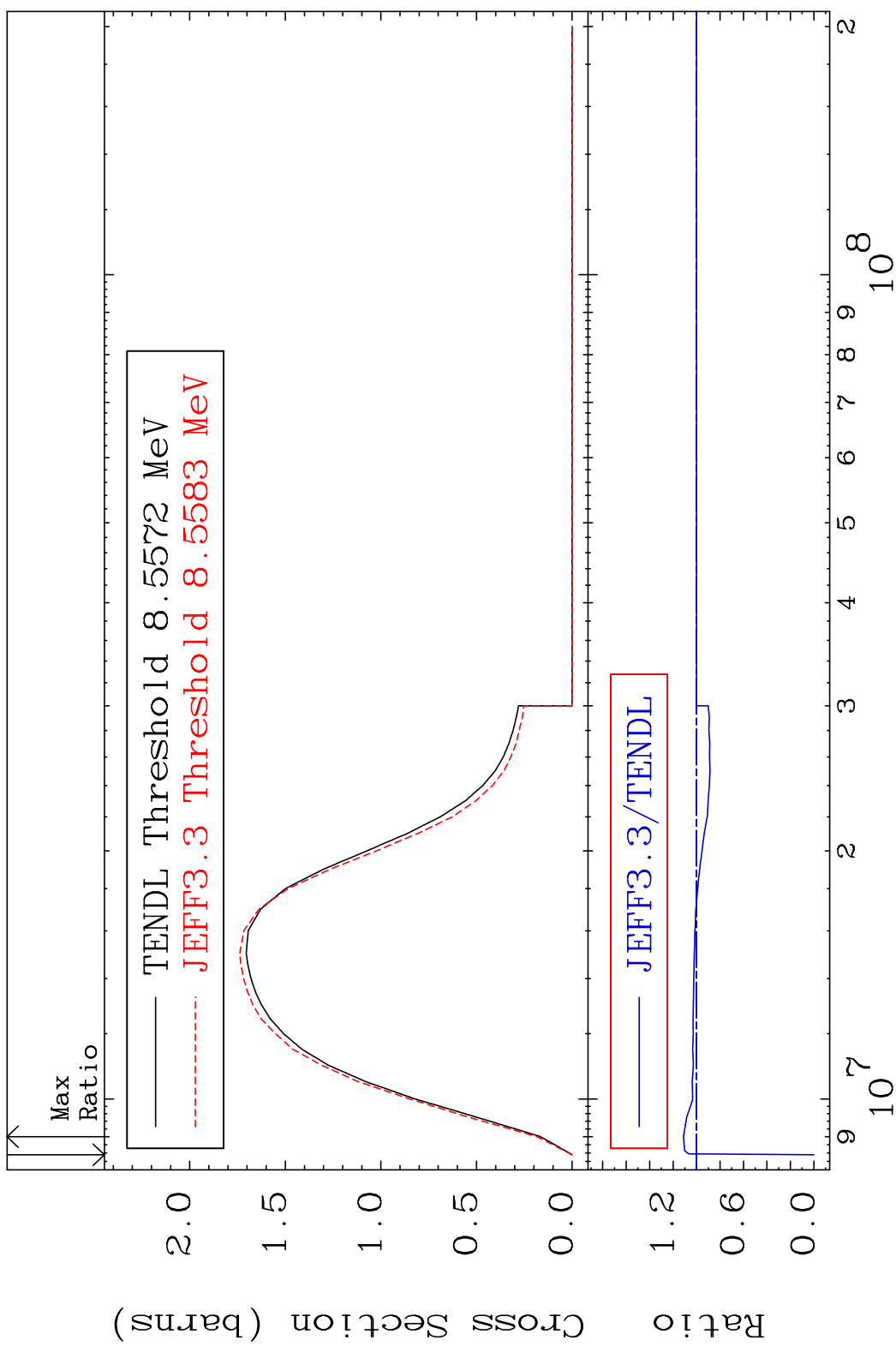
MAT 5061 Inelastic 50-Sn-124
 Cross Section -100.0 To 0.253 %



MAT 5061 (n,2n) d 50-Sn-124
Cross Section -100.0 To 3325. %

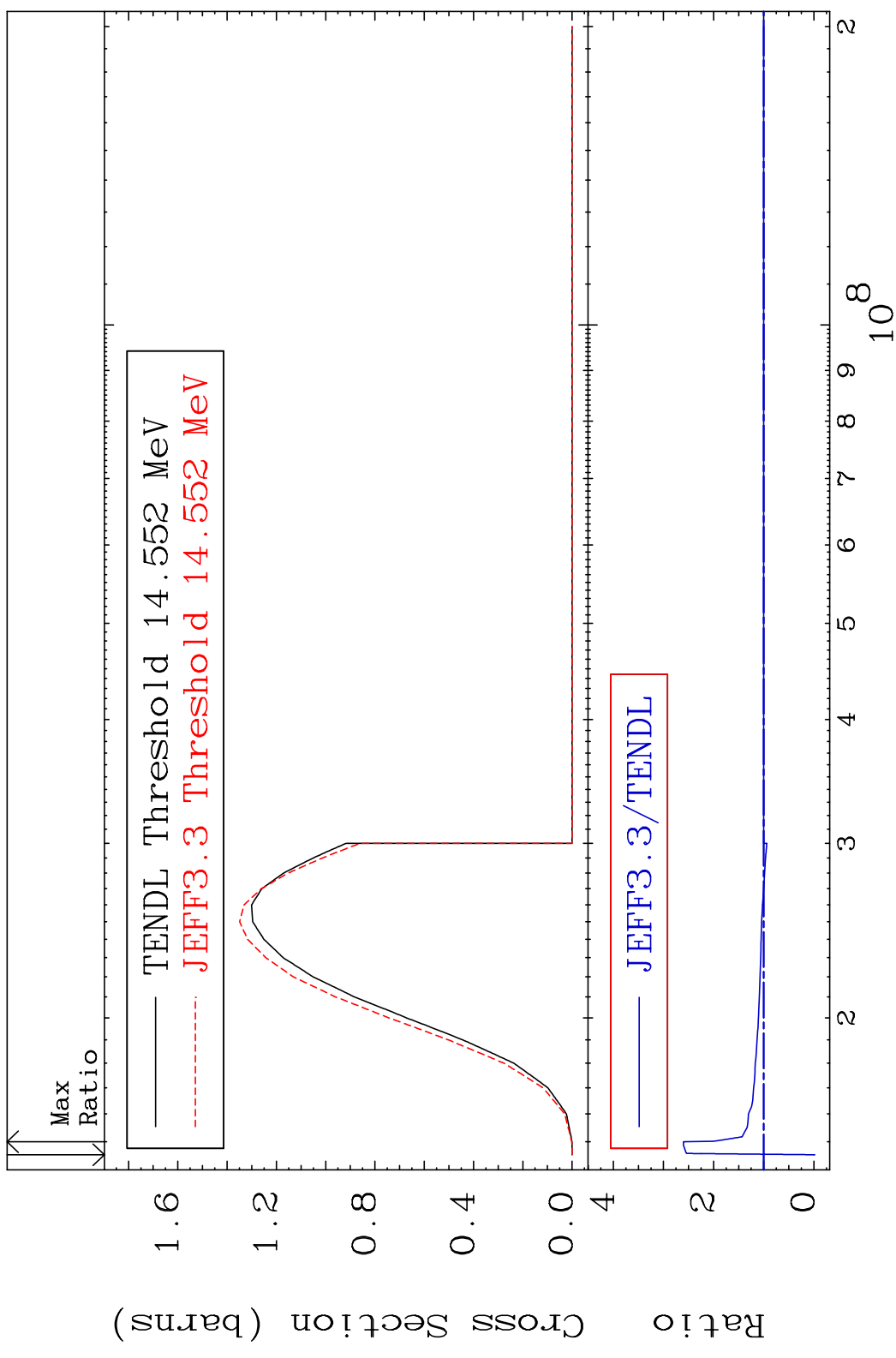


MAT 5061 (n,2n) 50-Sn-124
Cross Section -100.0 To 11.17 %

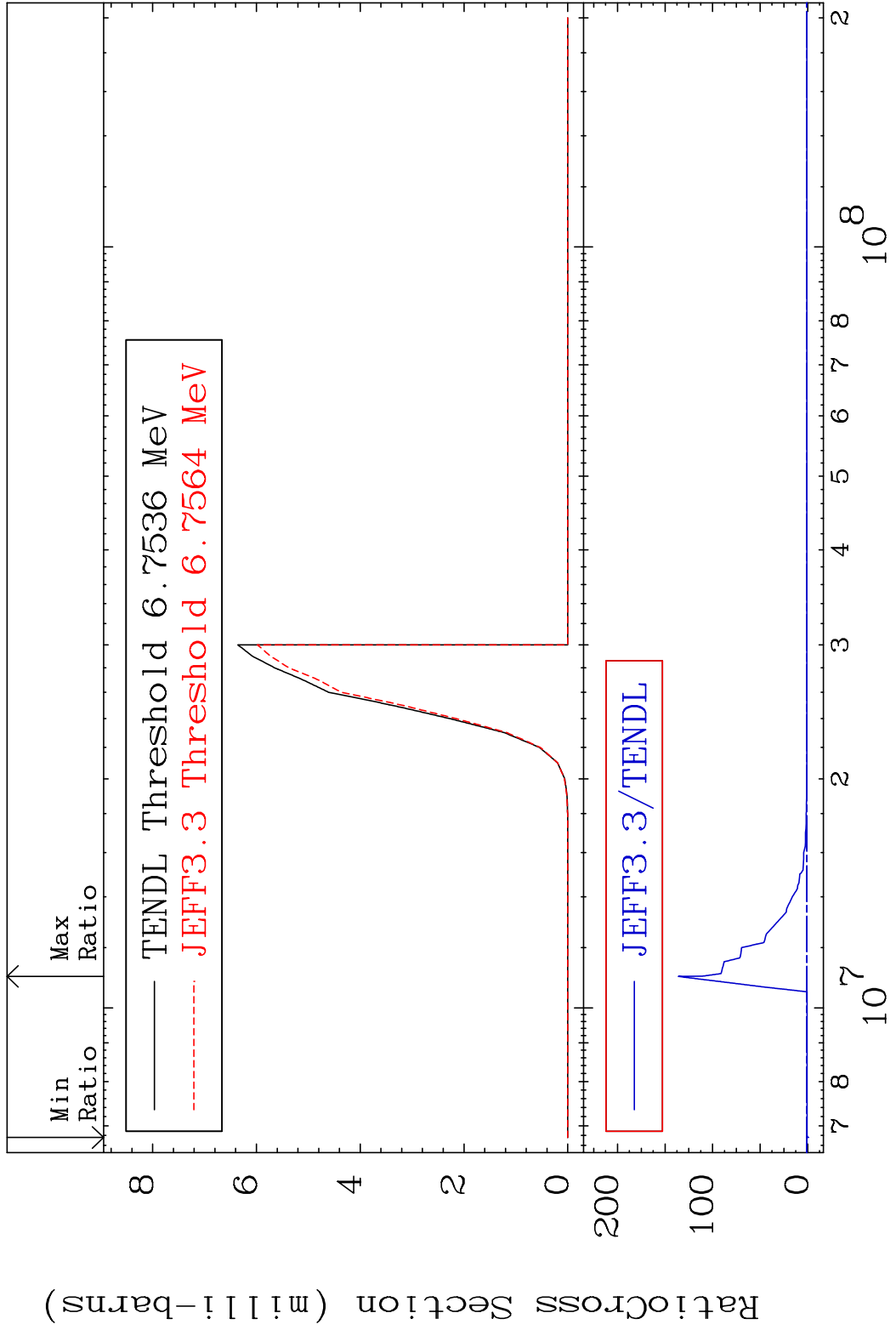


5 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,3n) 50-Sn-124
 Cross Section -100.0 To 160.1 %

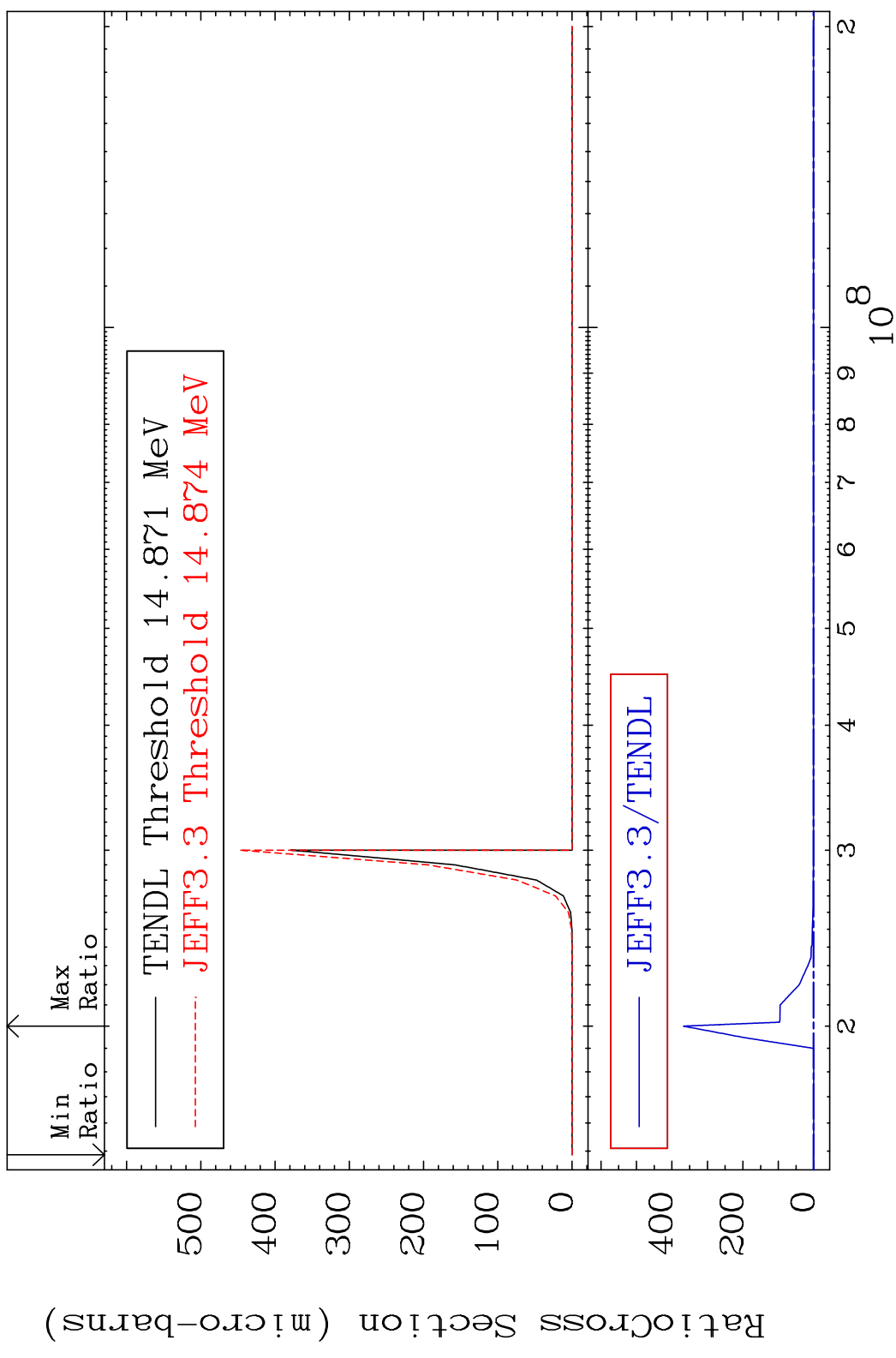


MAT 5061 (n, n') α 50-Sn-124
 Cross Section -100.0 To 9999. %

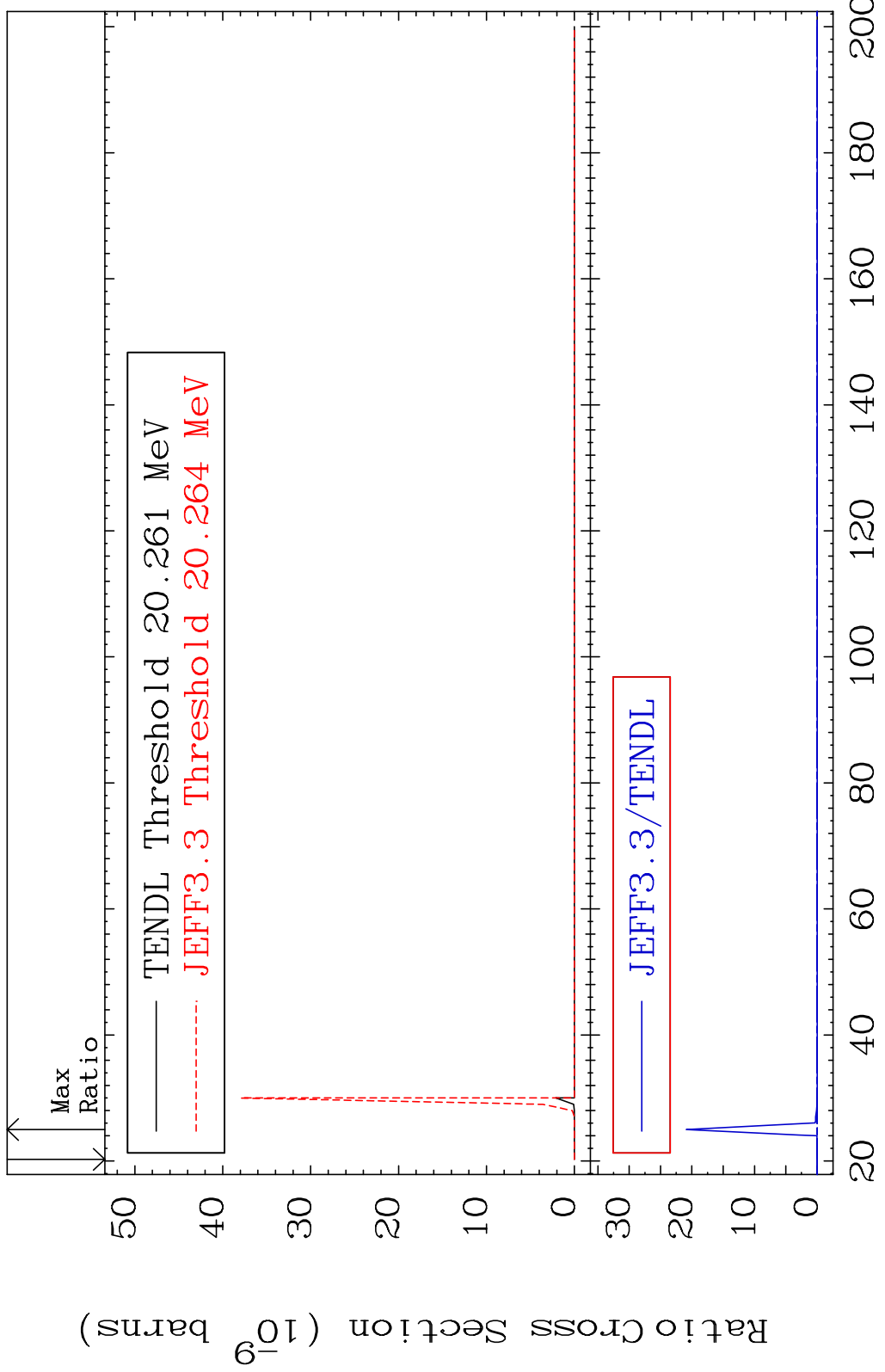


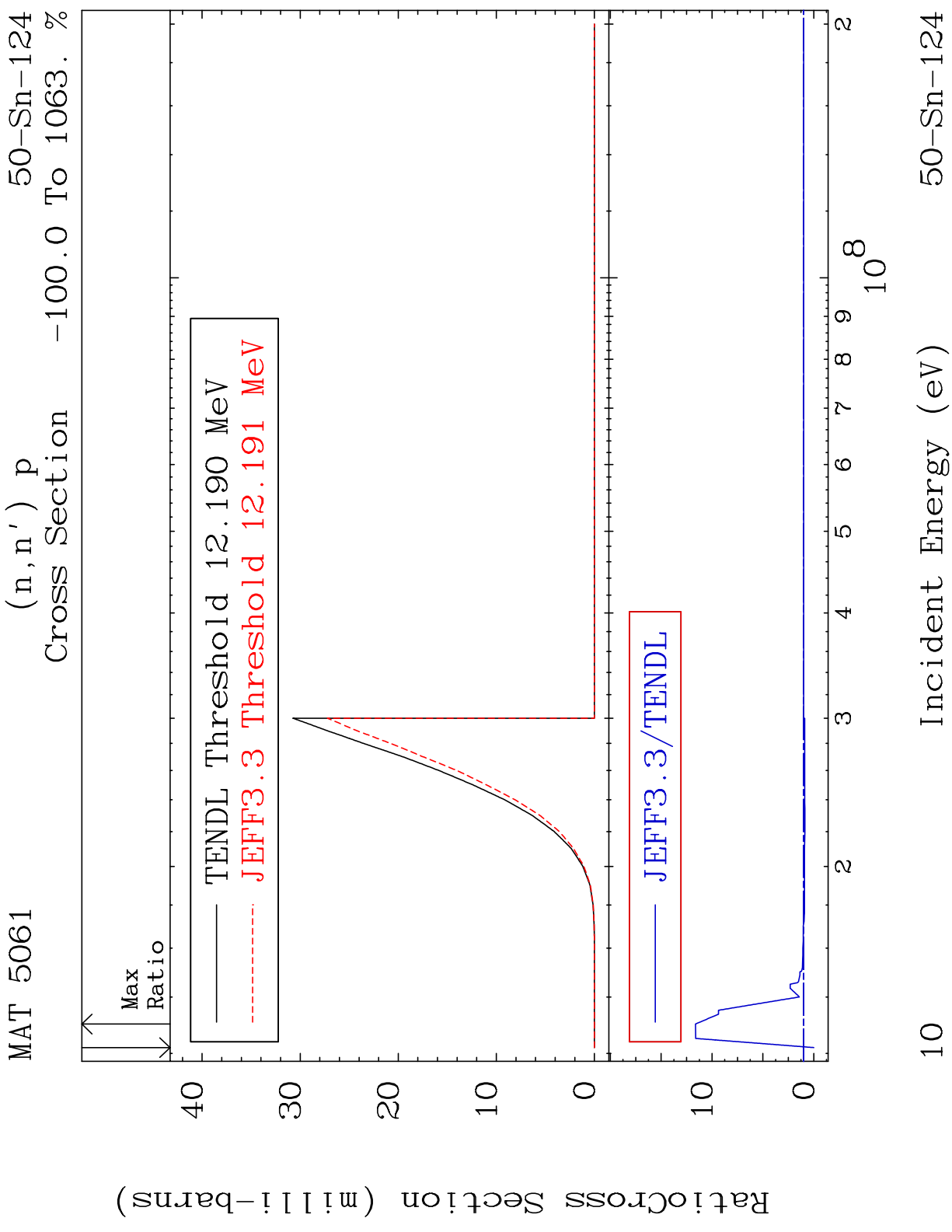
7 50-Sn-124

MAT 5061 (n,2n) α 50-Sn-124
 Cross Section -100.0 To 9999. %

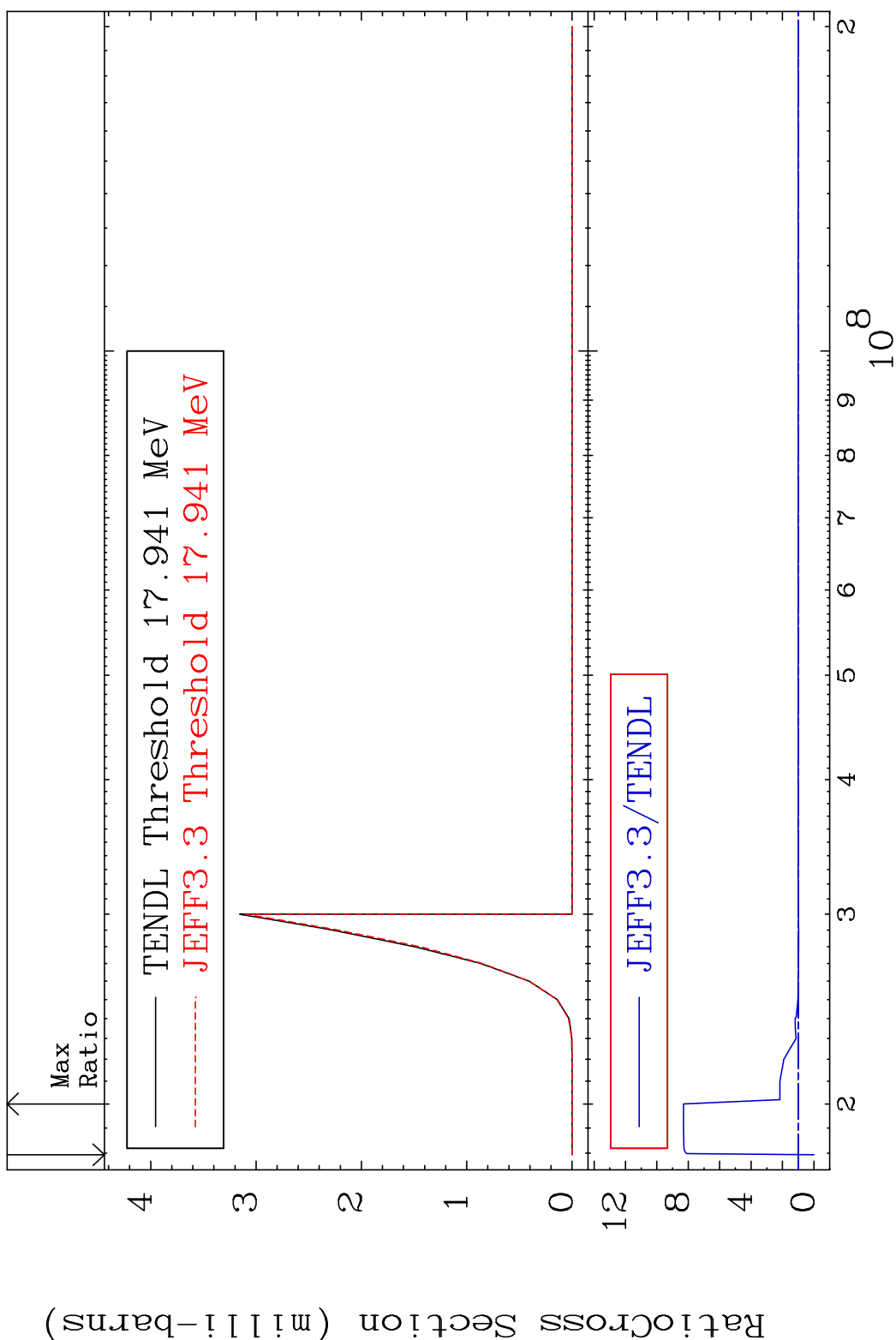


MAT 5061 (n,3n) α 50-Sn-124
 Cross Section -100.0 To 9999. %



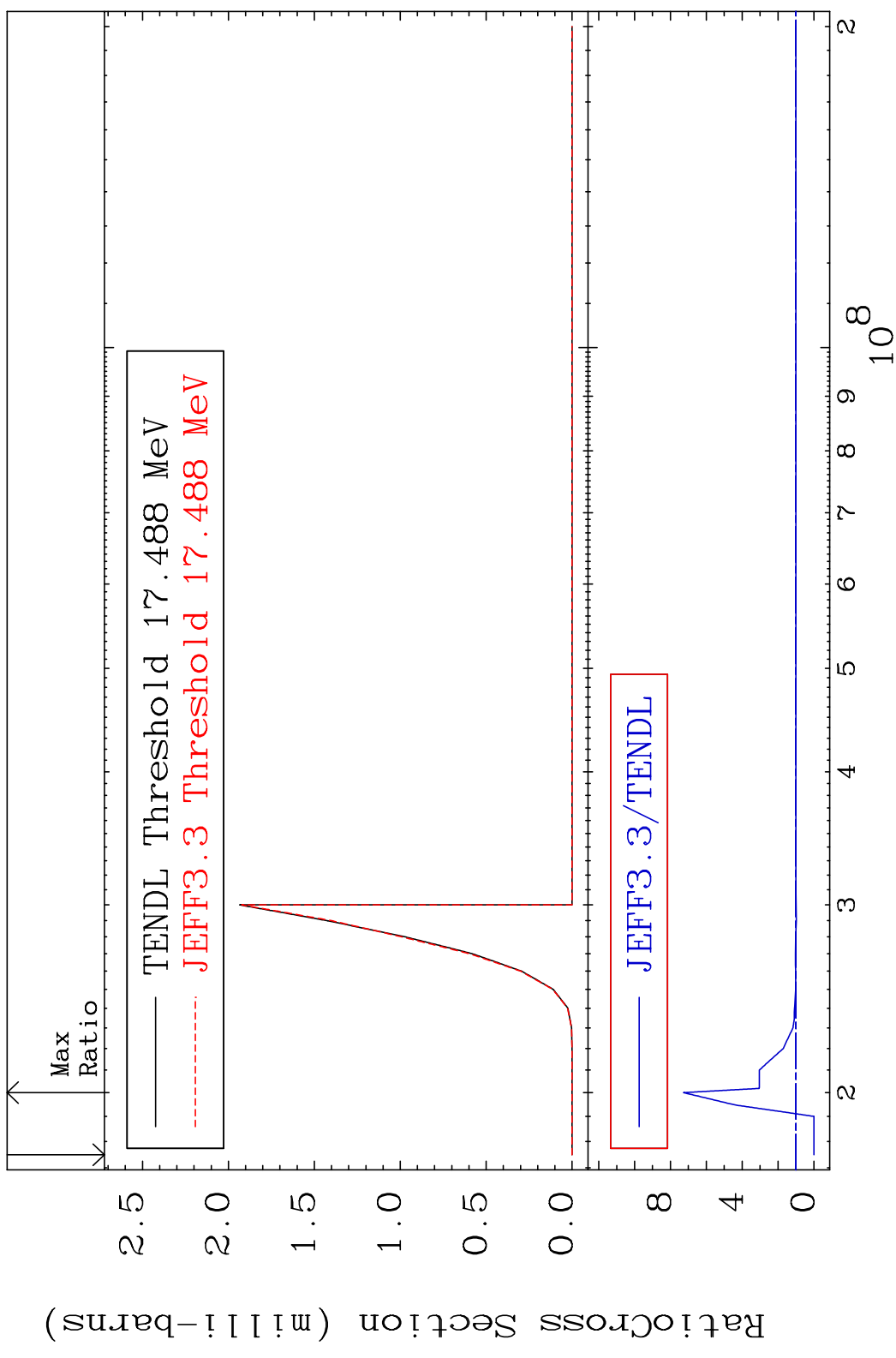


MAT 5061 (n, n') d 50-Sn-124
 Cross Section -100.0 To 730.7 %



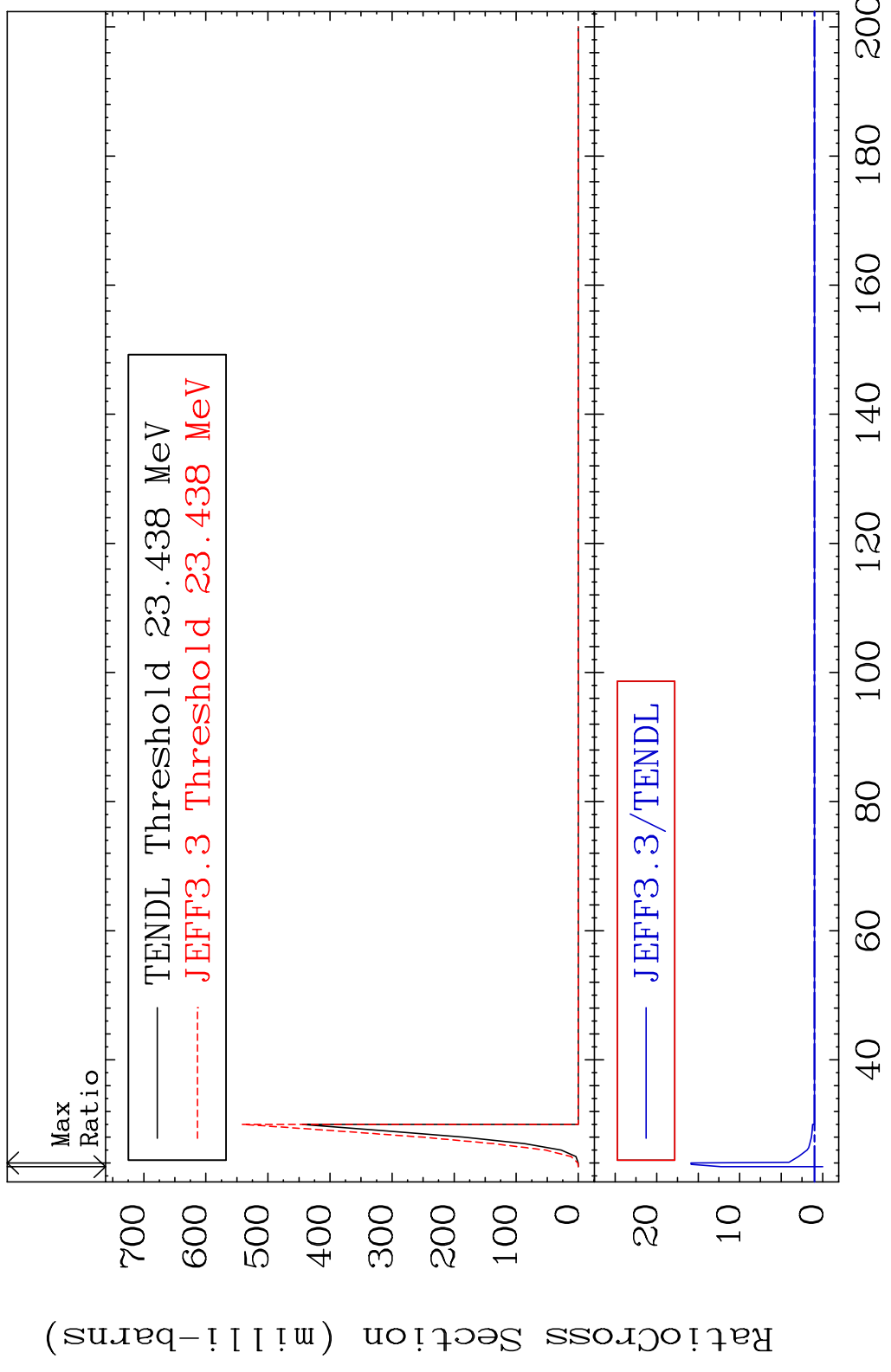
11 50-Sn-124

MAT 5061 (n, n') t 50-Sn-124
 Cross Section -100.0 To 627.5 %

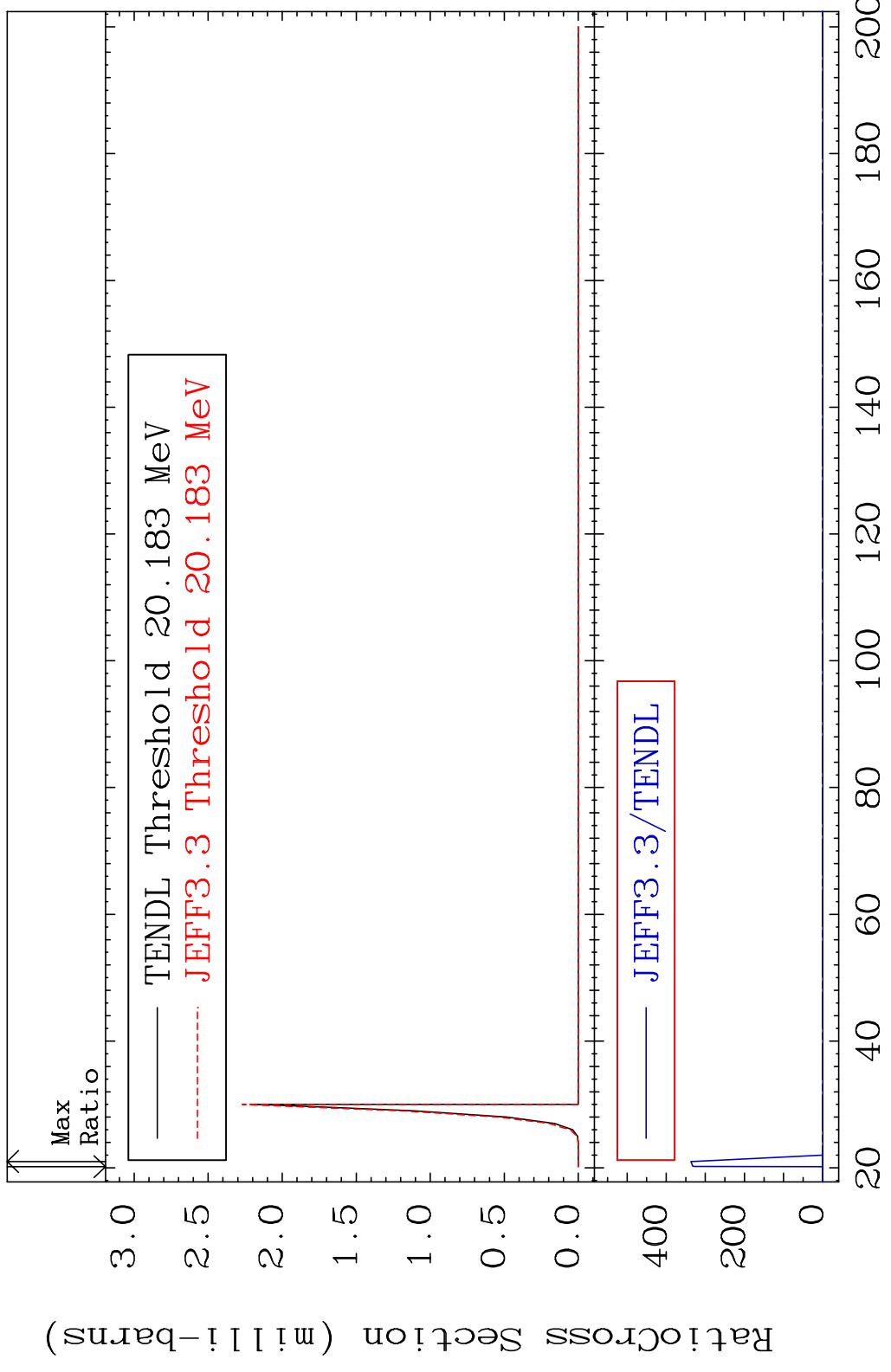


12 Incident Energy (eV) 50-Sn-124

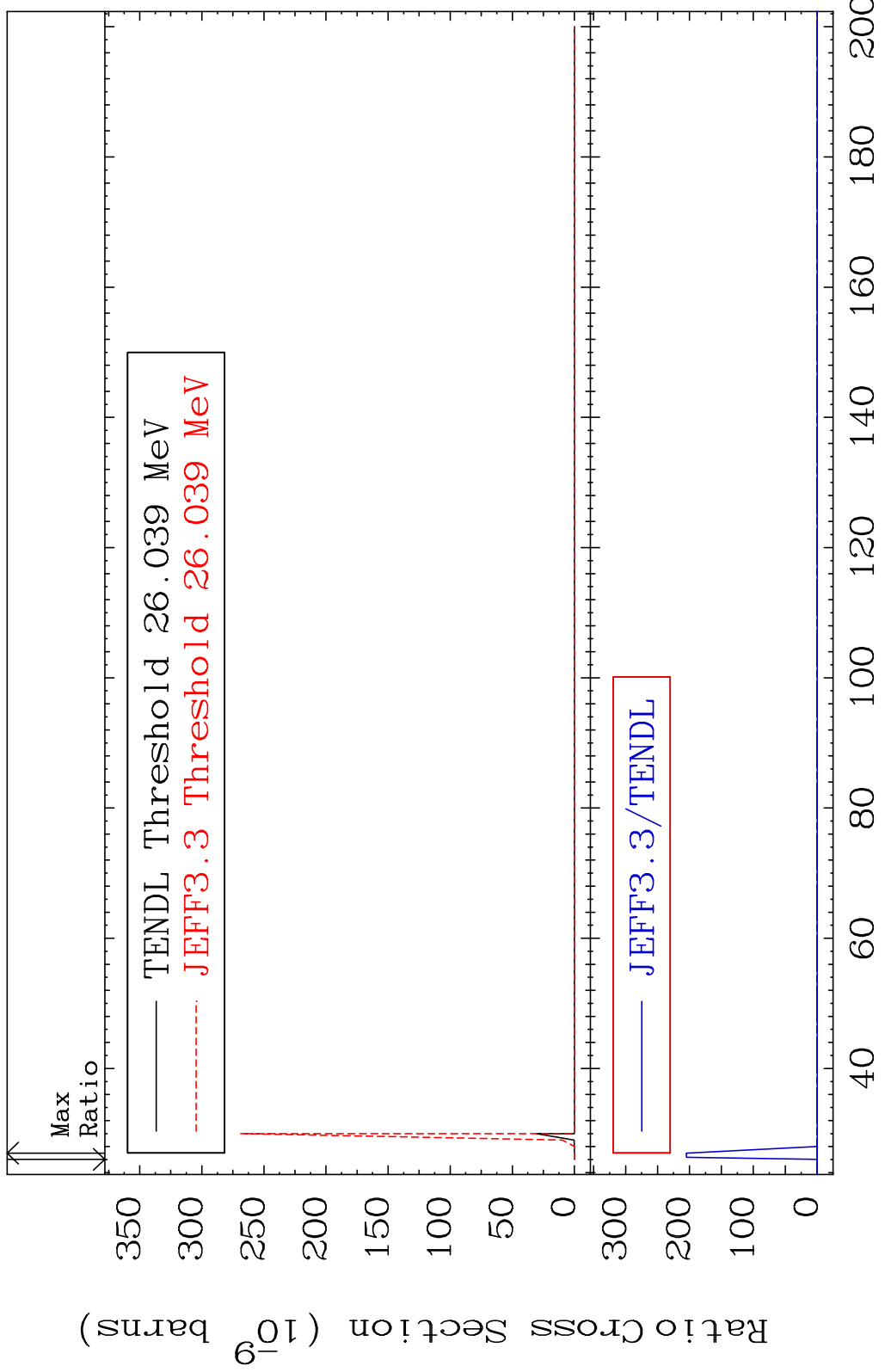
MAT 5061 (n,4n) 50-Sn-124
Cross Section -100.0 To 1488. %



MAT 5061 (n,2n) p 50-Sn-124
Cross Section -100.0 To 9999. %

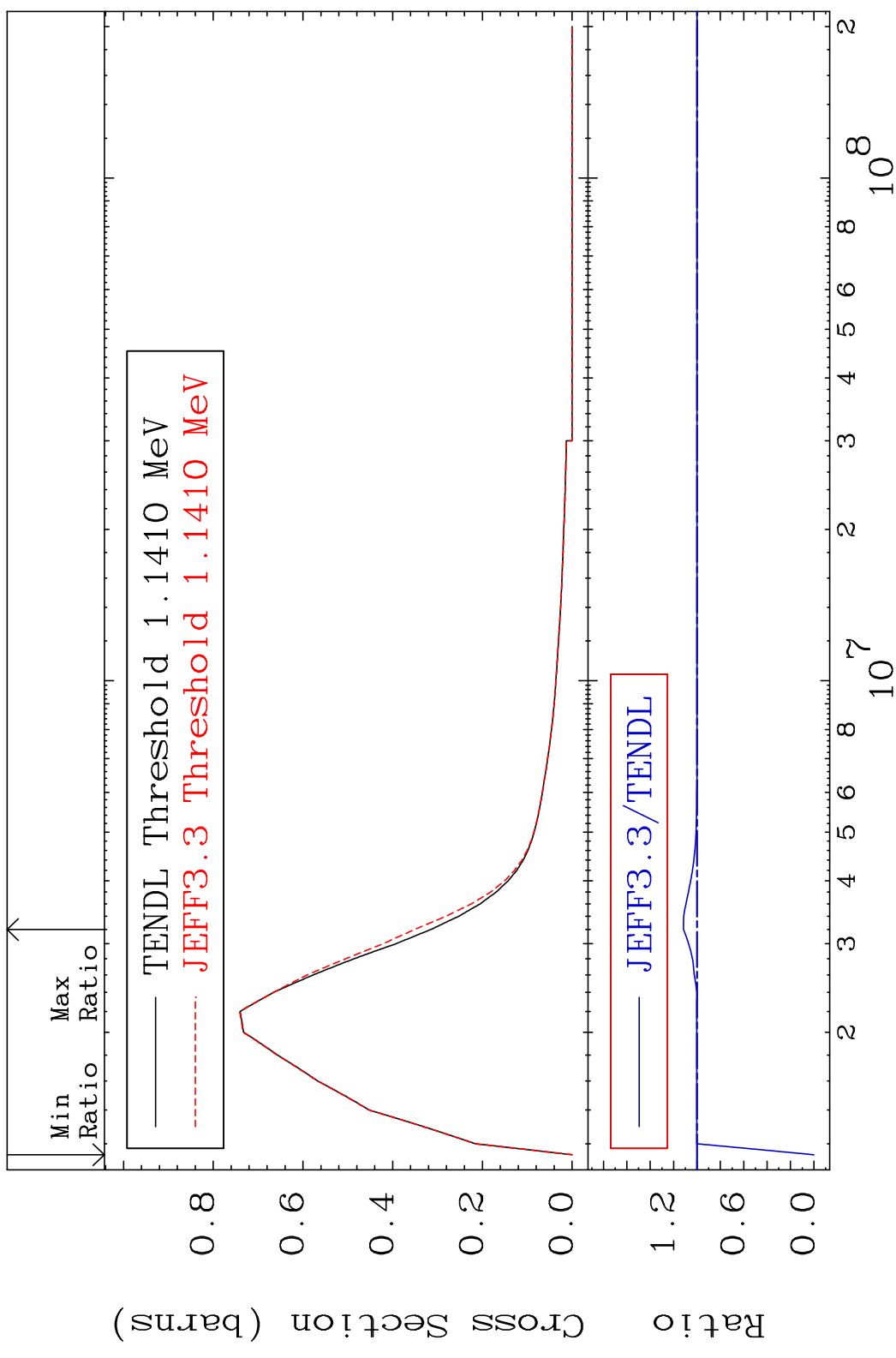


MAT 5061 (n,3n) p 50-Sn-124
 Cross Section -100.0 To 9999. %

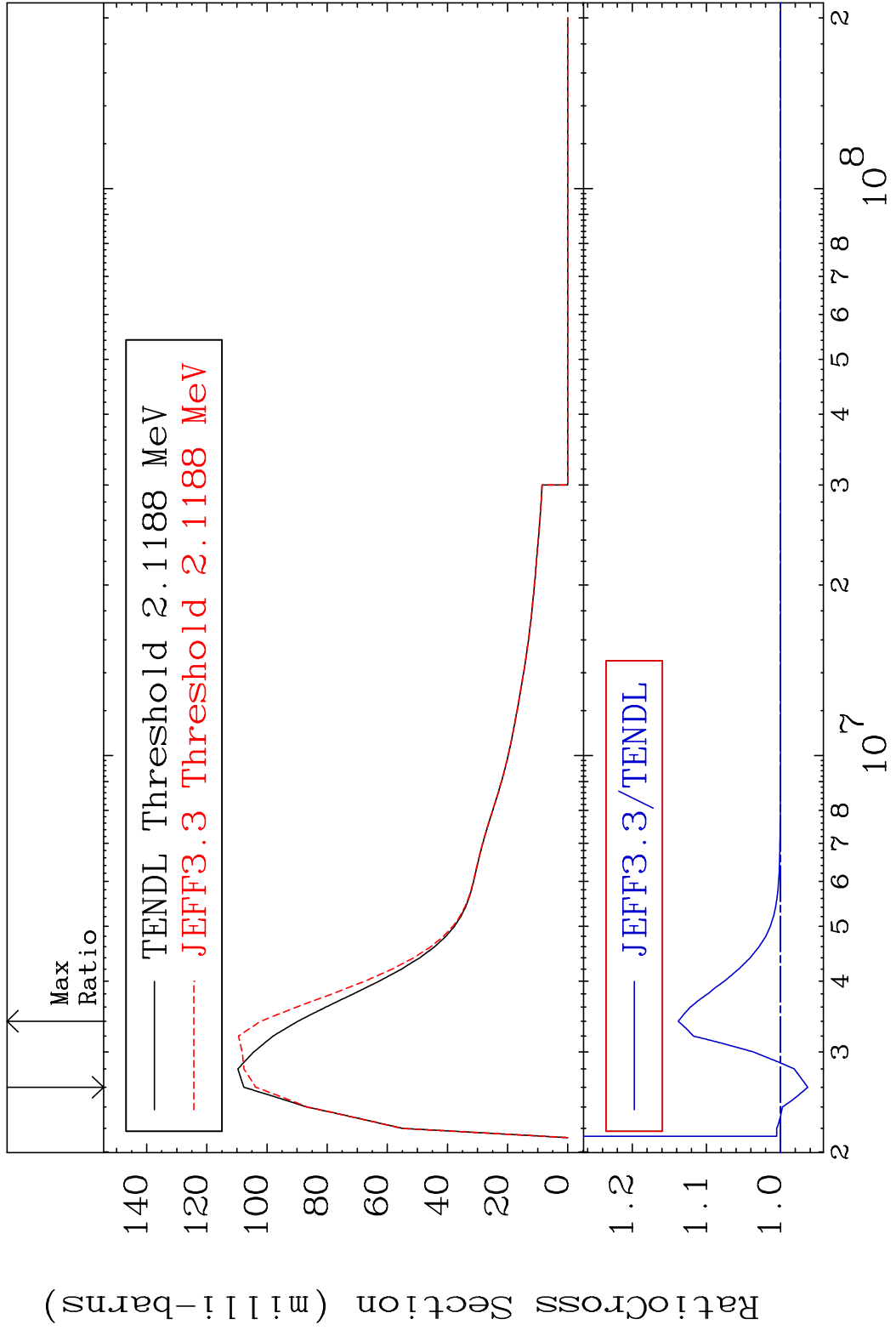


15 50-Sn-124

MAT 5061 MT= 51 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 11.58 %

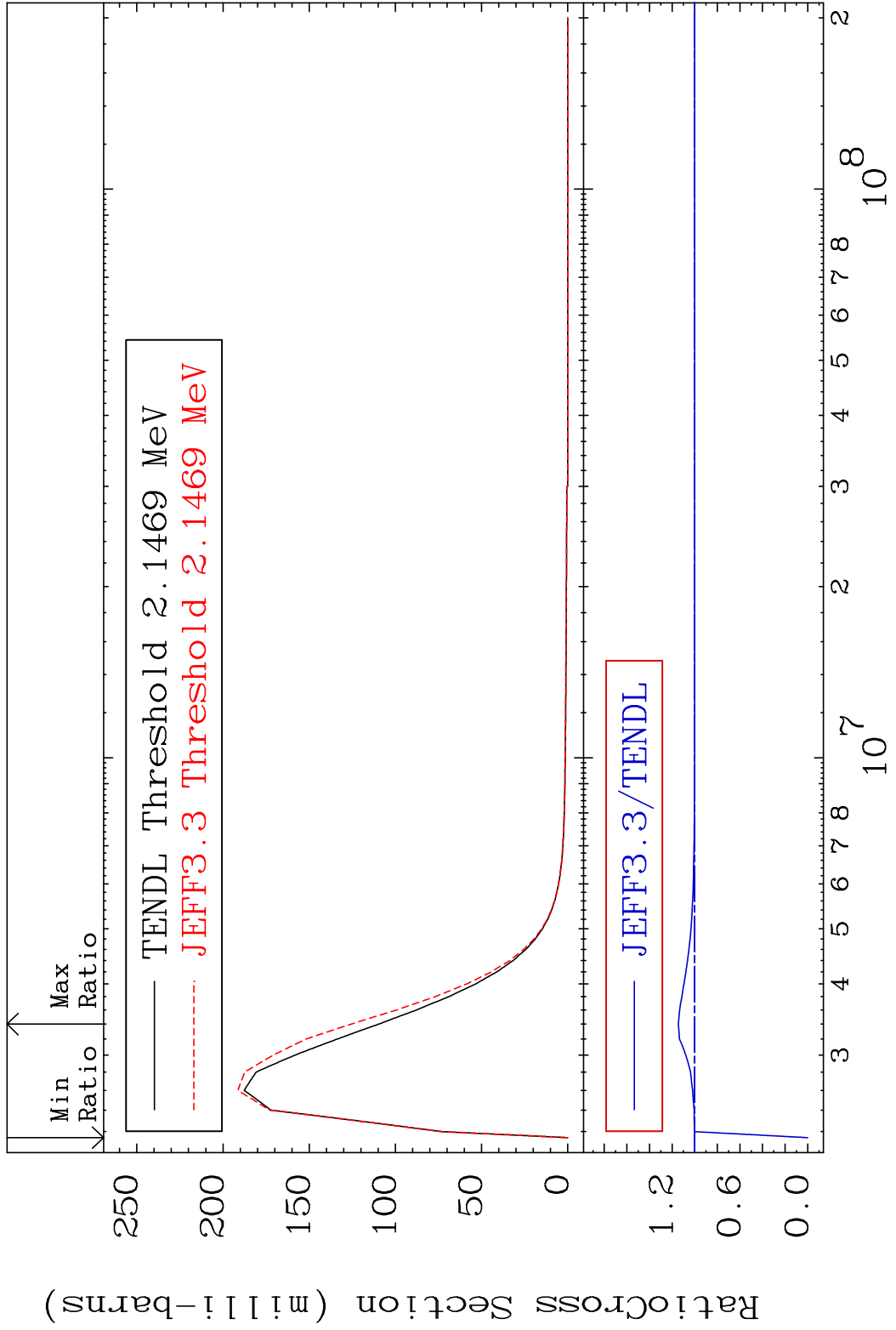


MAT 5061 MT= 52 (n, n') Level 50-Sn-124
 Cross Section -3.669 To 13.79 %



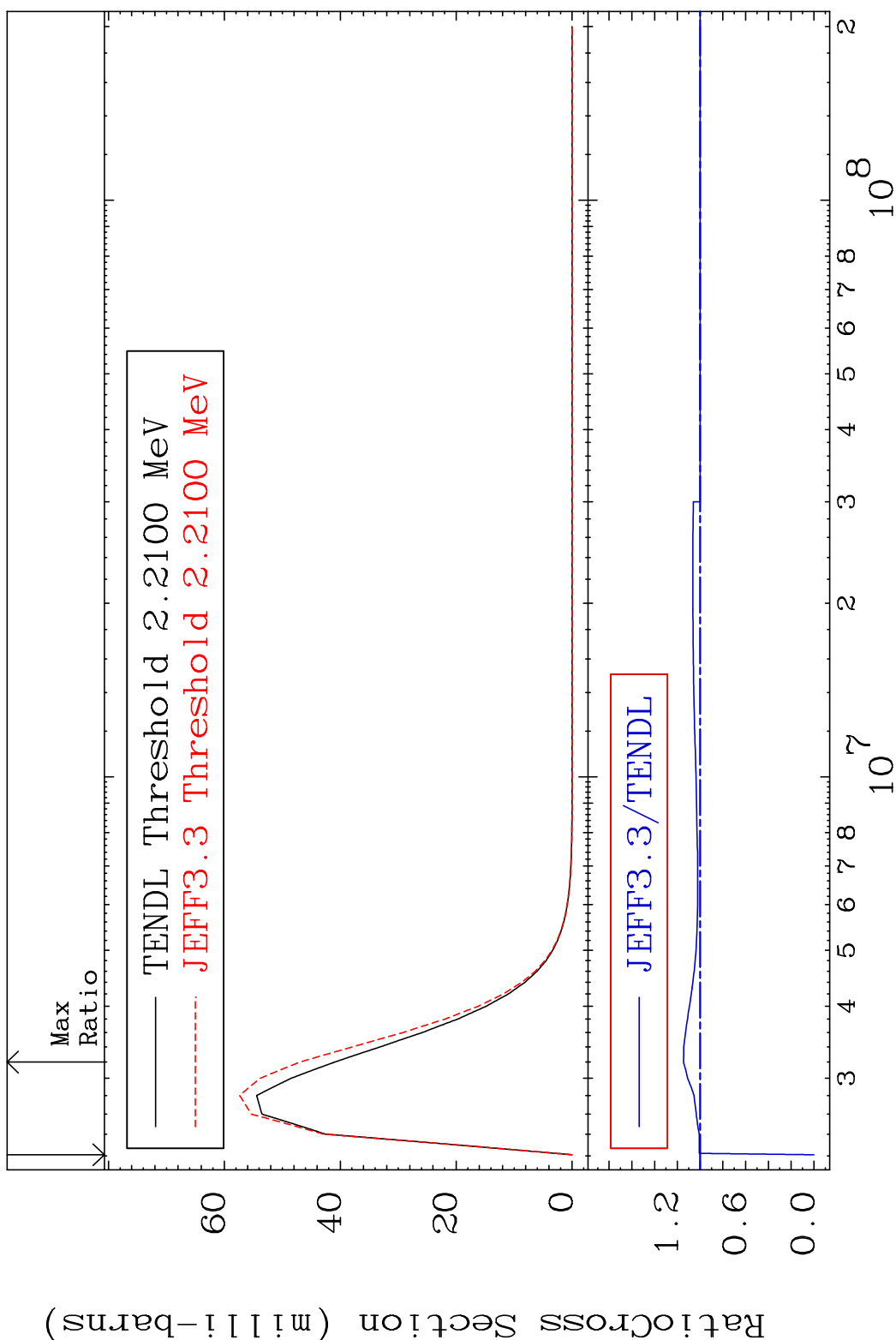
17 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 53 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 14.53 %

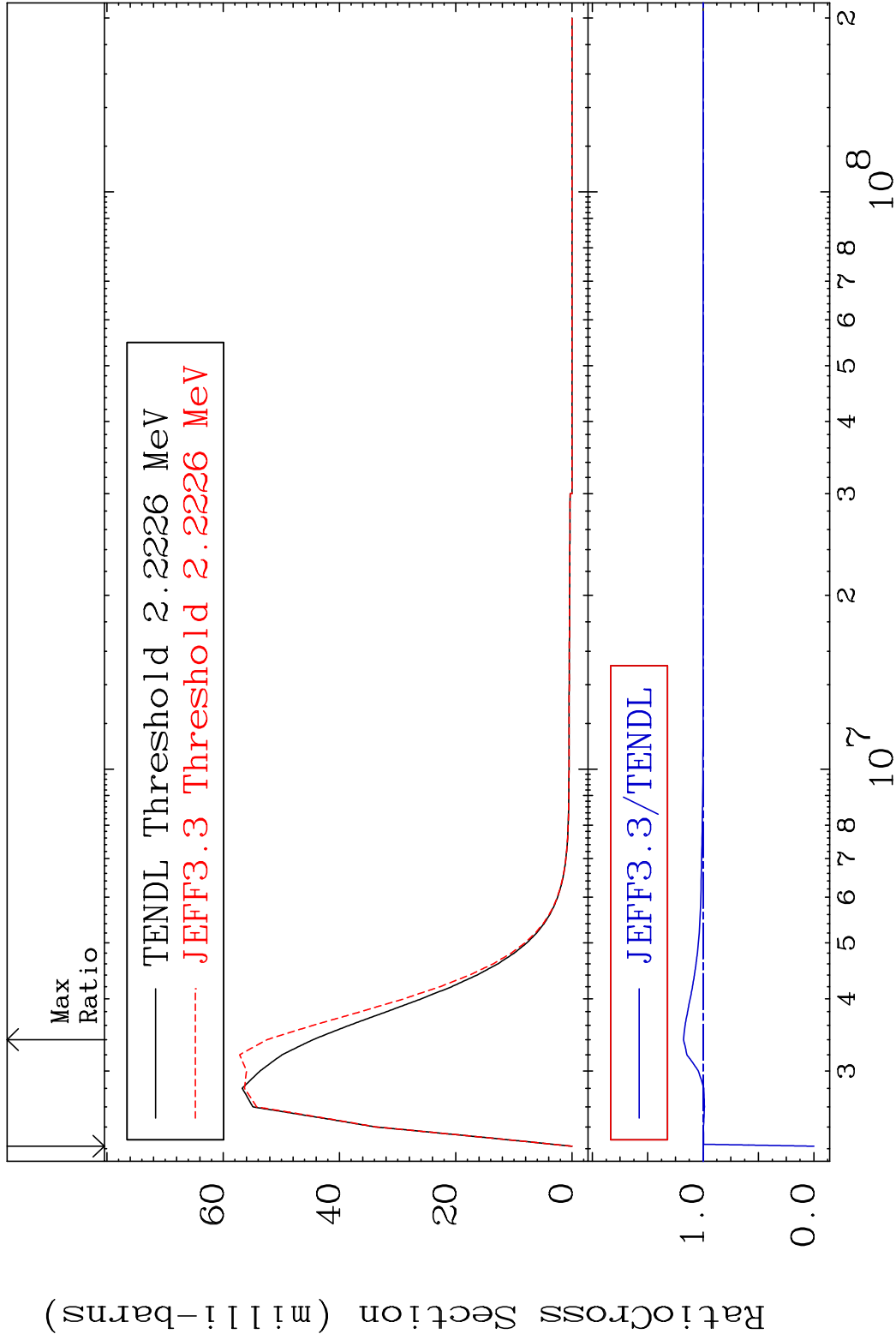


18 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 54 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 14.66 %

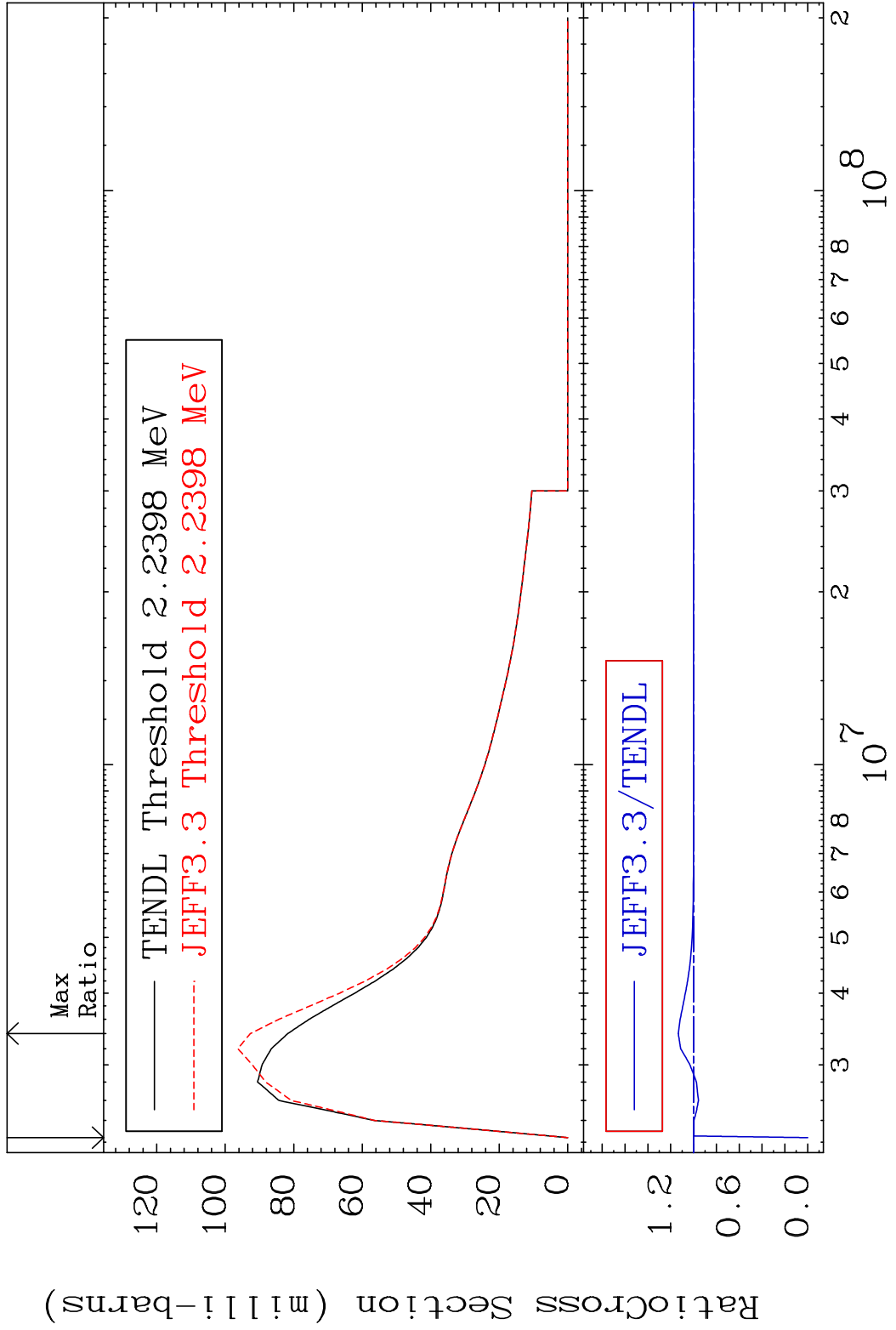


MAT 5061 MT= 55 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 17.73 %

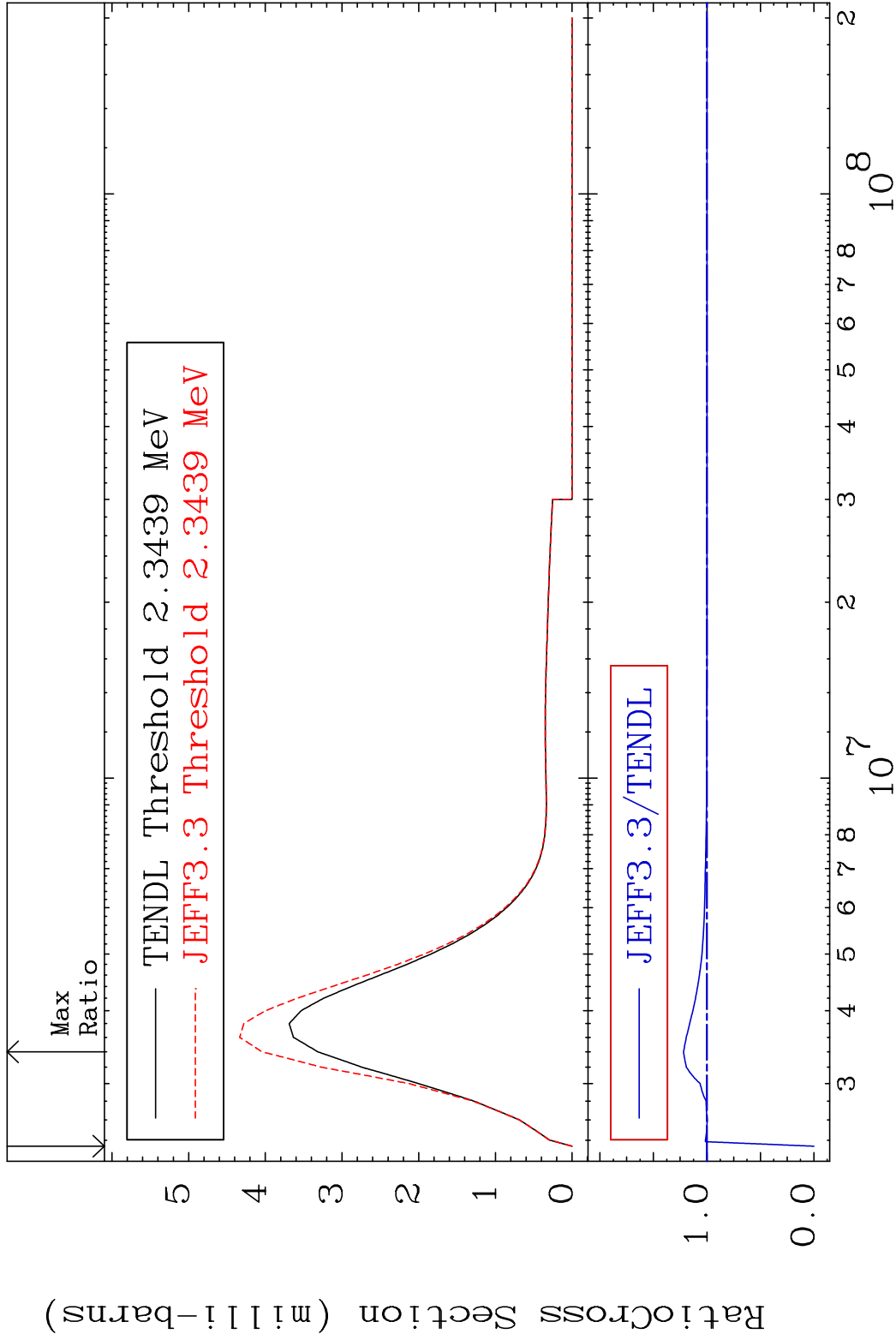


20 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 56 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 13.37 %

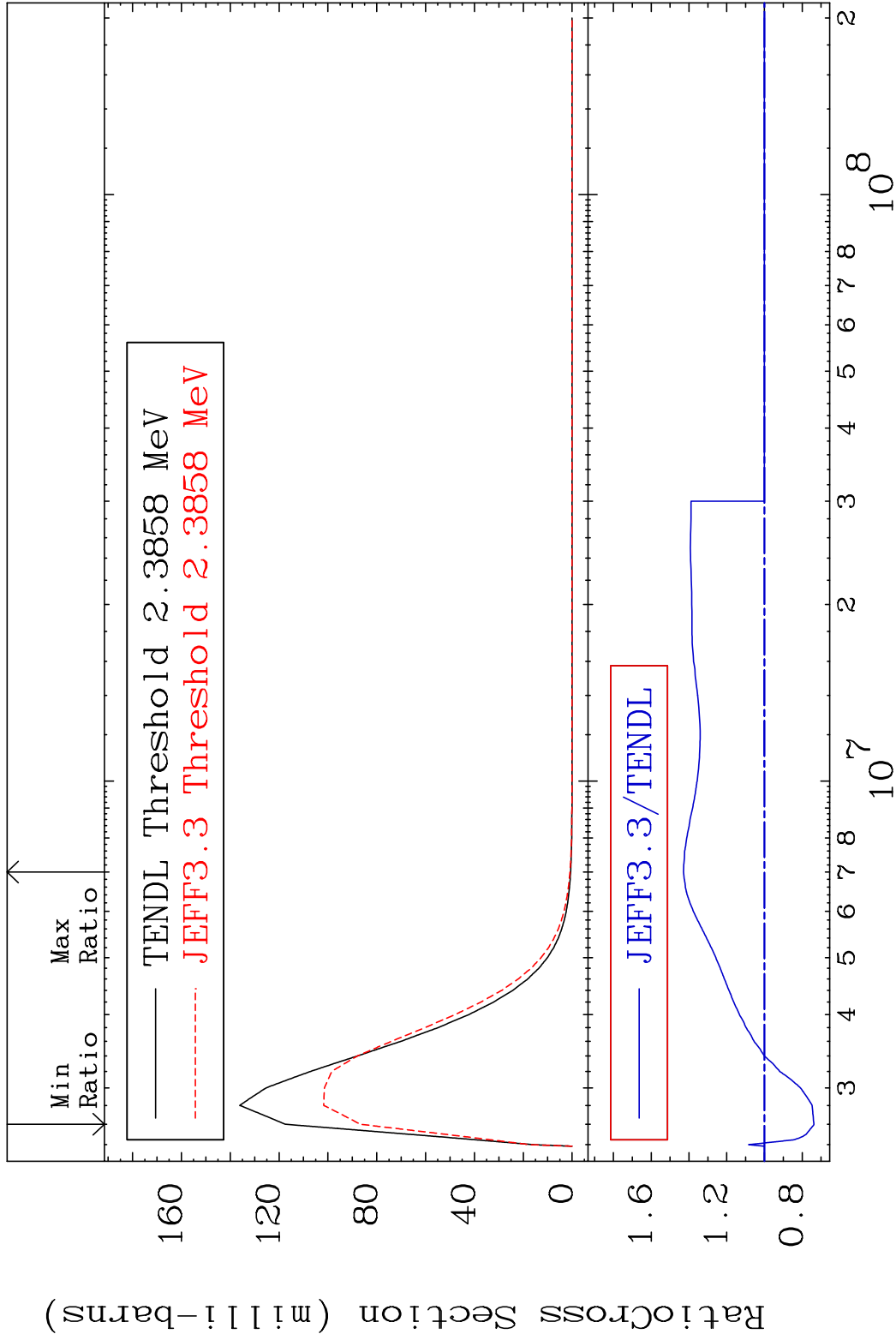


MAT 5061 MT= 57 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 21.93 %



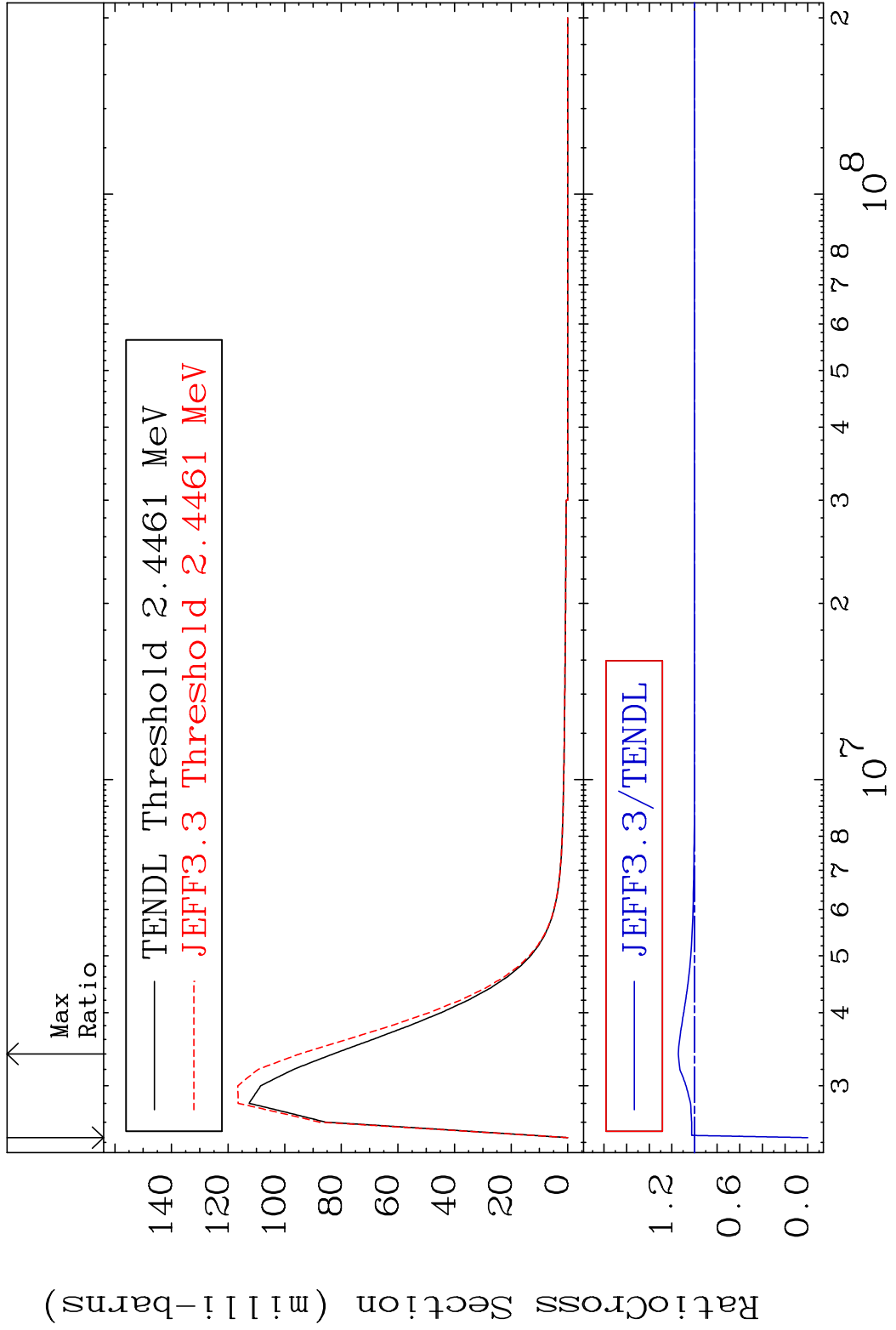
22 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 58 (n, n') Level 50-Sn-124
 Cross Section -26.18 To 42.91 %

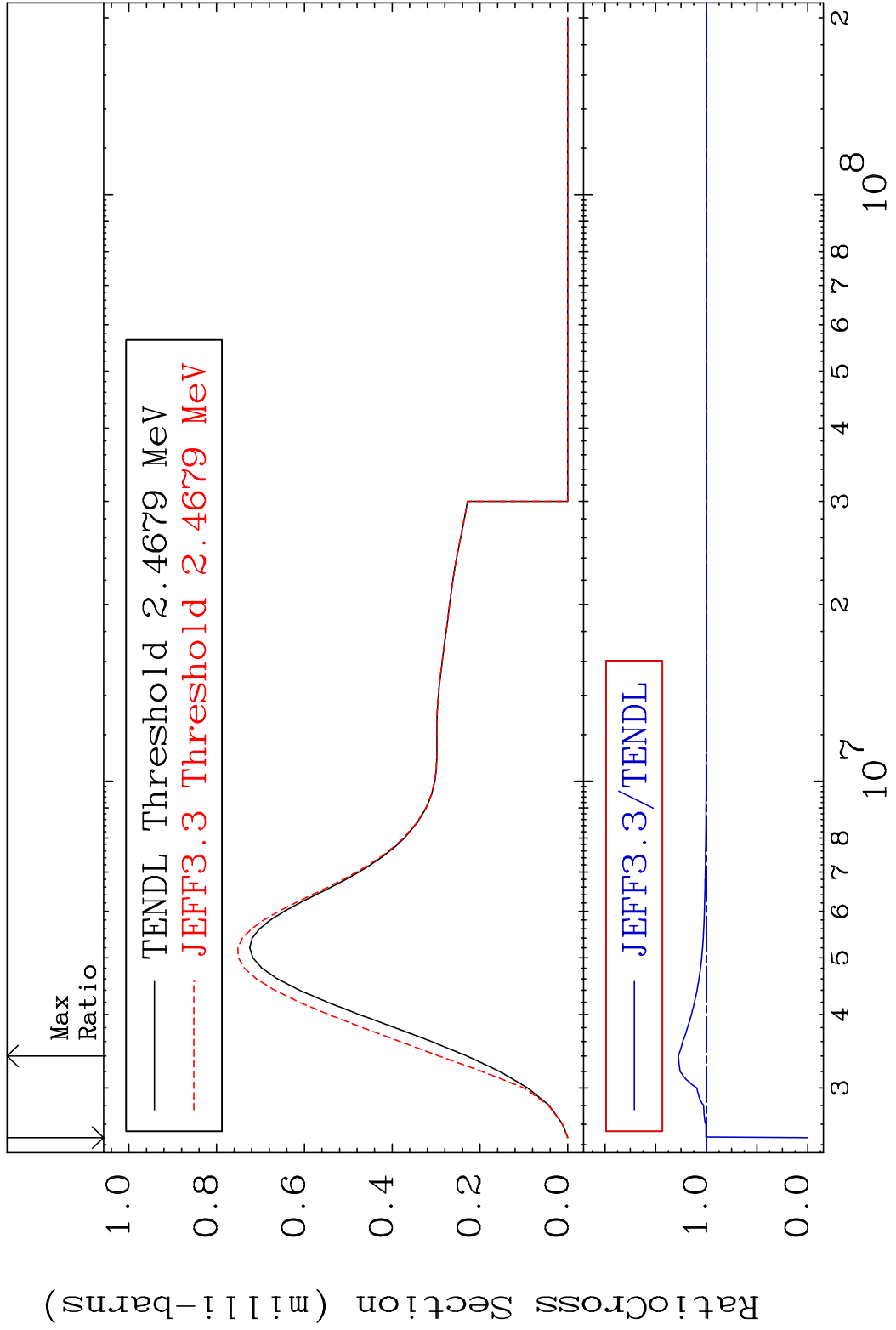


23 Incident Energy (eV) 50-Sn-124

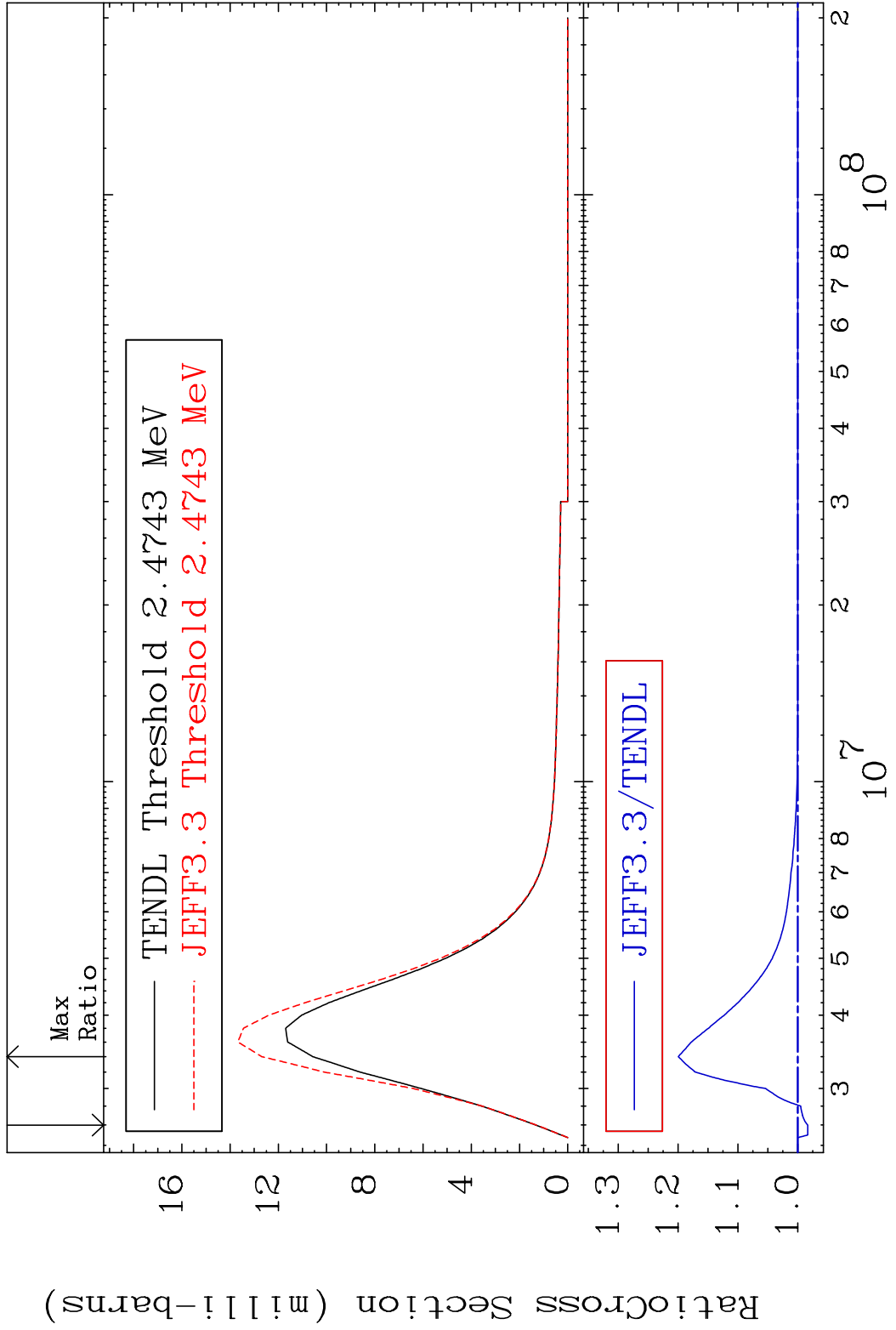
MAT 5061 MT= 59 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 14.32 %



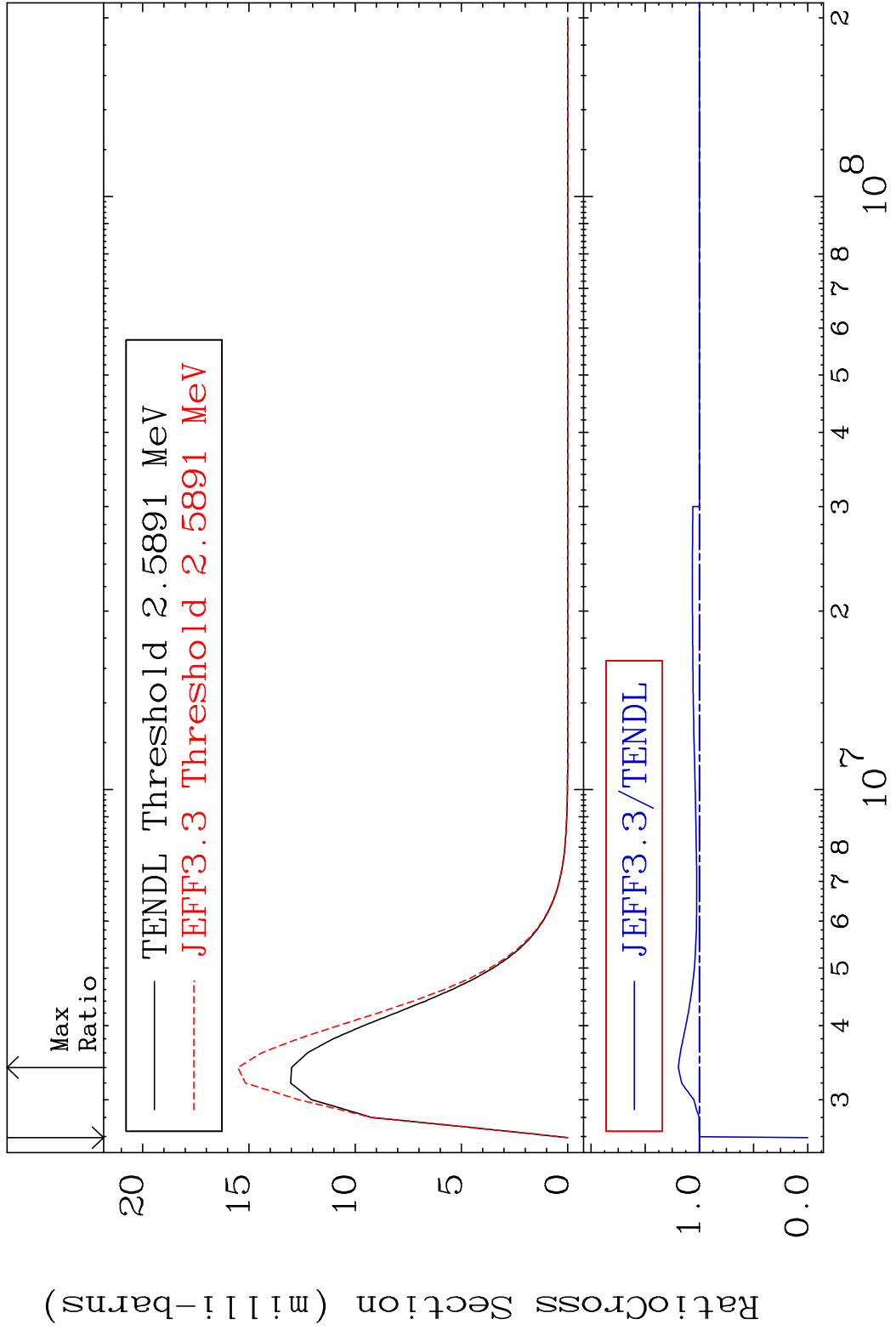
MAT 5061 MT= 60 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 27.69 %



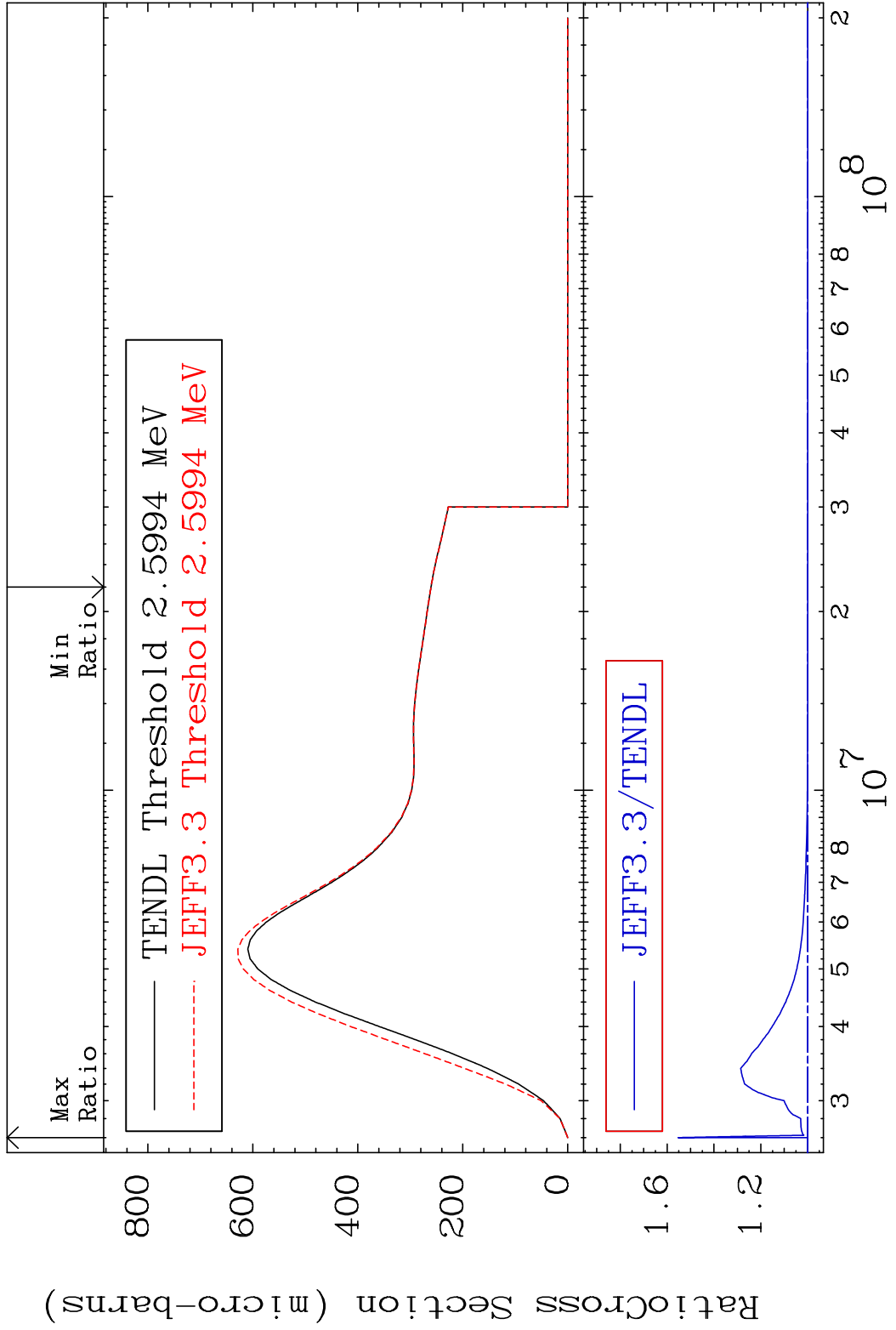
MAT 5061 MT= 61 (n, n') Level 50-Sn-124
 Cross Section -1.652 To 19.97 %



MAT 5061 MT= 62 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 19.47 %

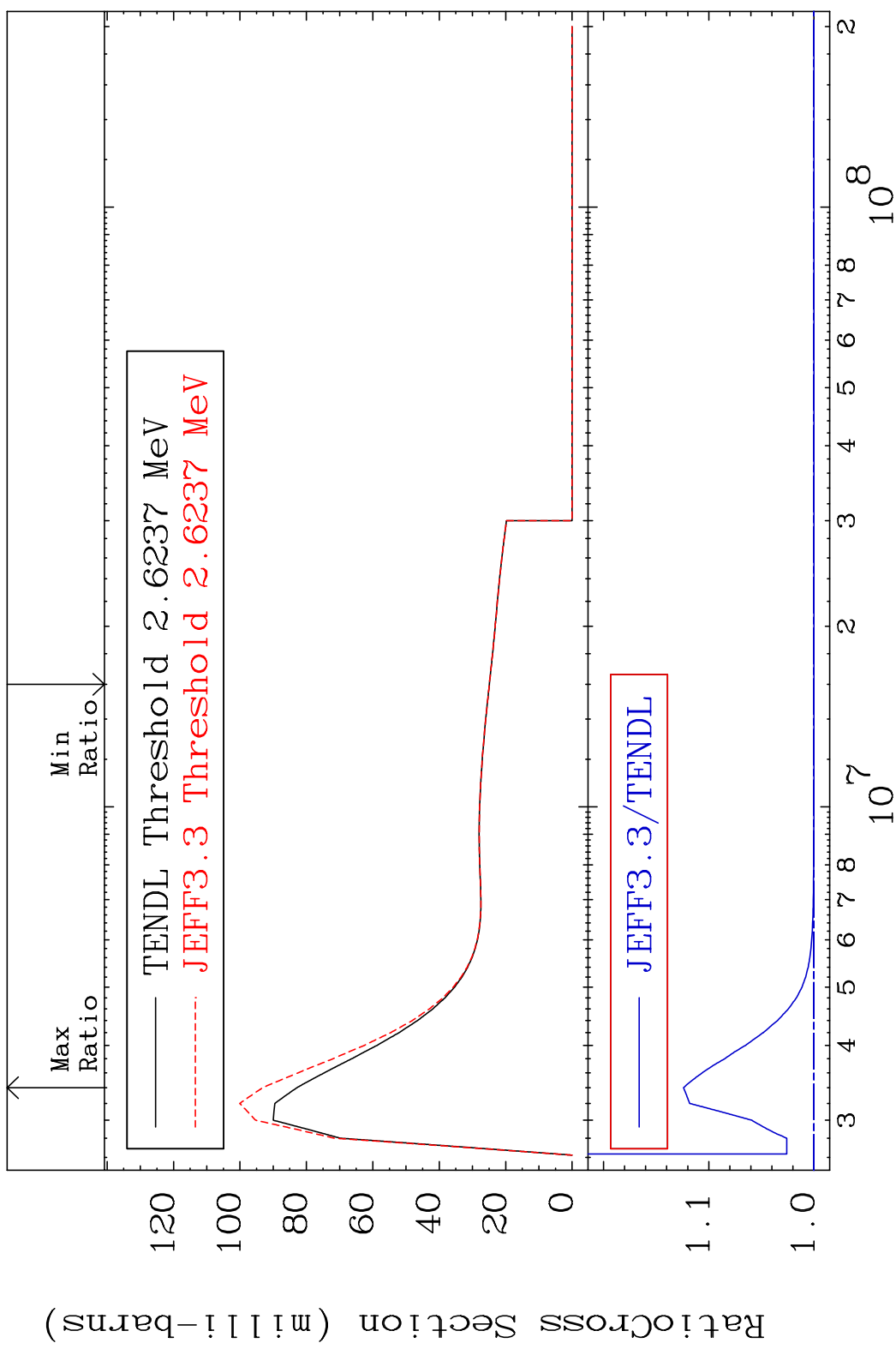


MAT 5061 MT= 63 (n, n') Level 50-Sn-124
 Cross Section 0.000 To 55.23 %

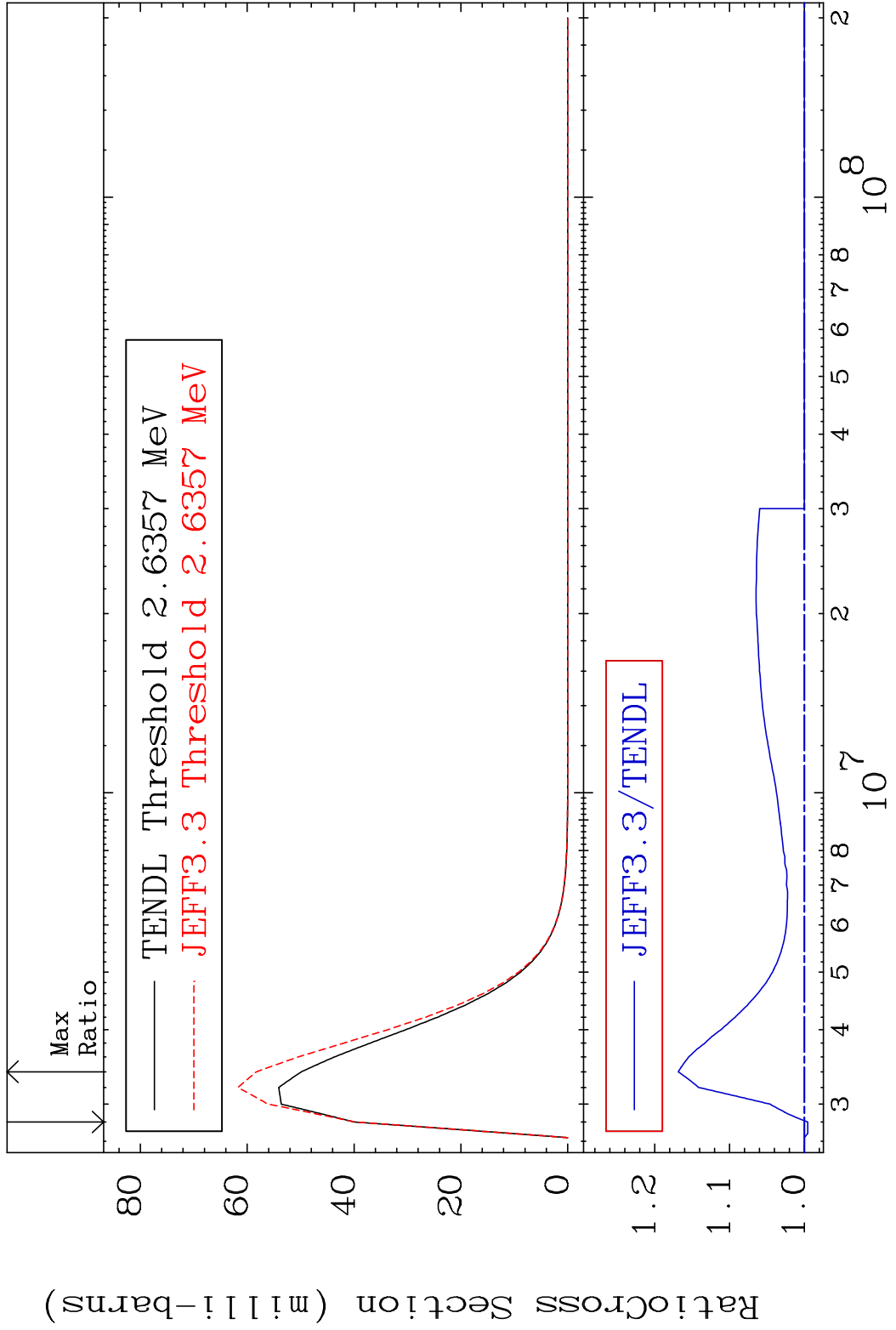


28 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 64 (n, n') Level 50-Sn-124
 Cross Section 0.000 To 12.41 %

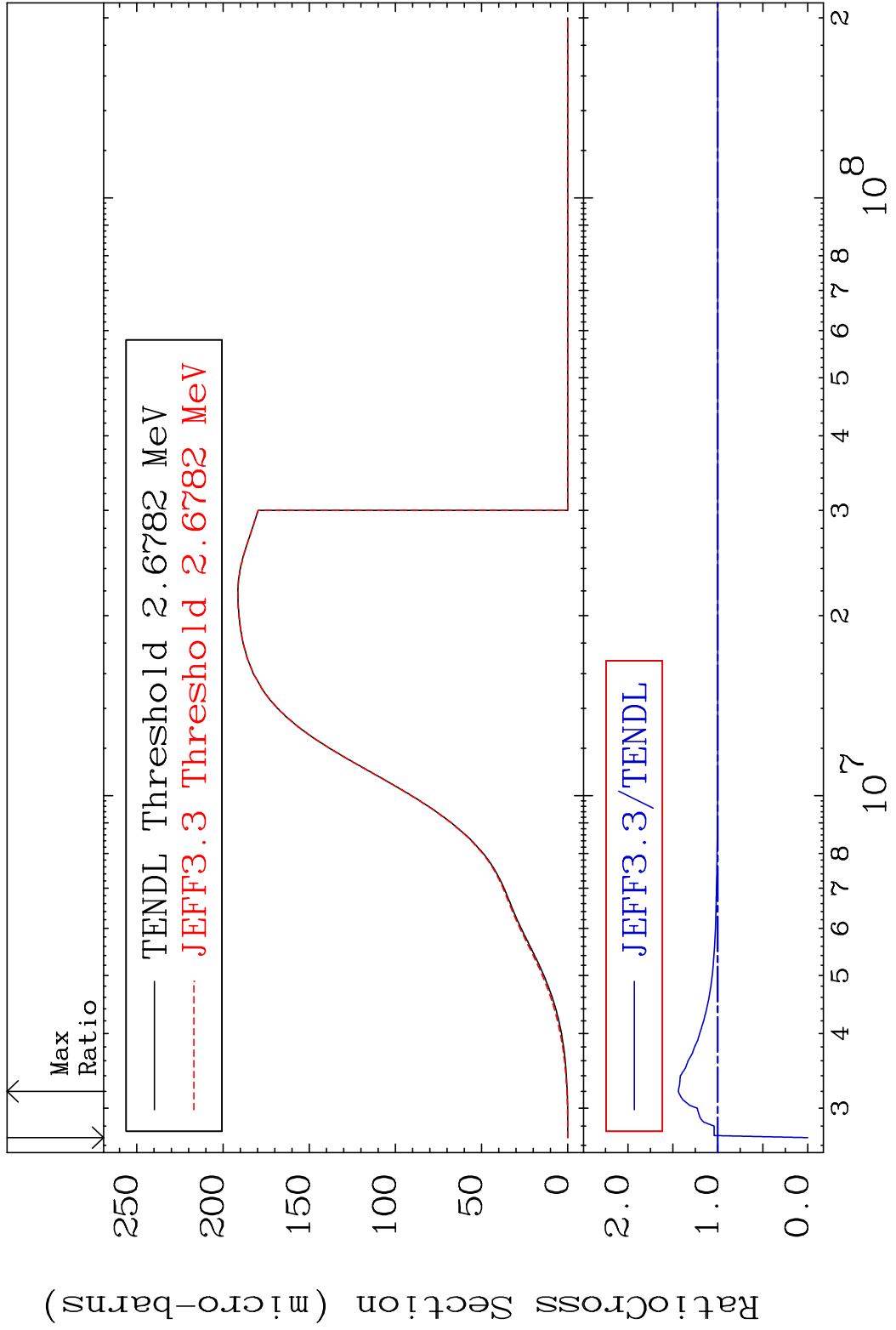


MAT 5061 MT= 65 (n, n') Level 50-Sn-124
 Cross Section -0.438 To 16.86 %

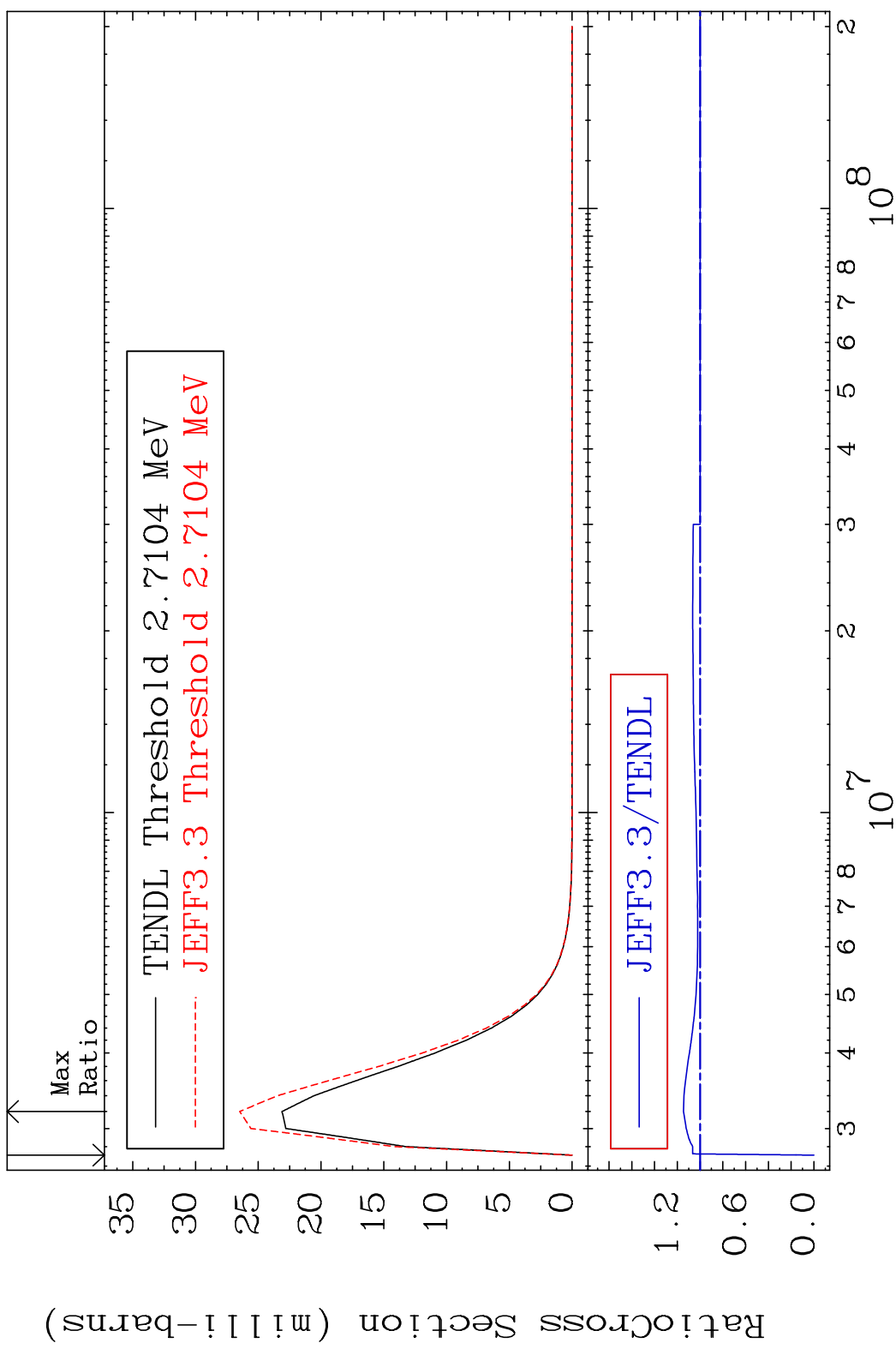


30 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 66 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 44.00 %

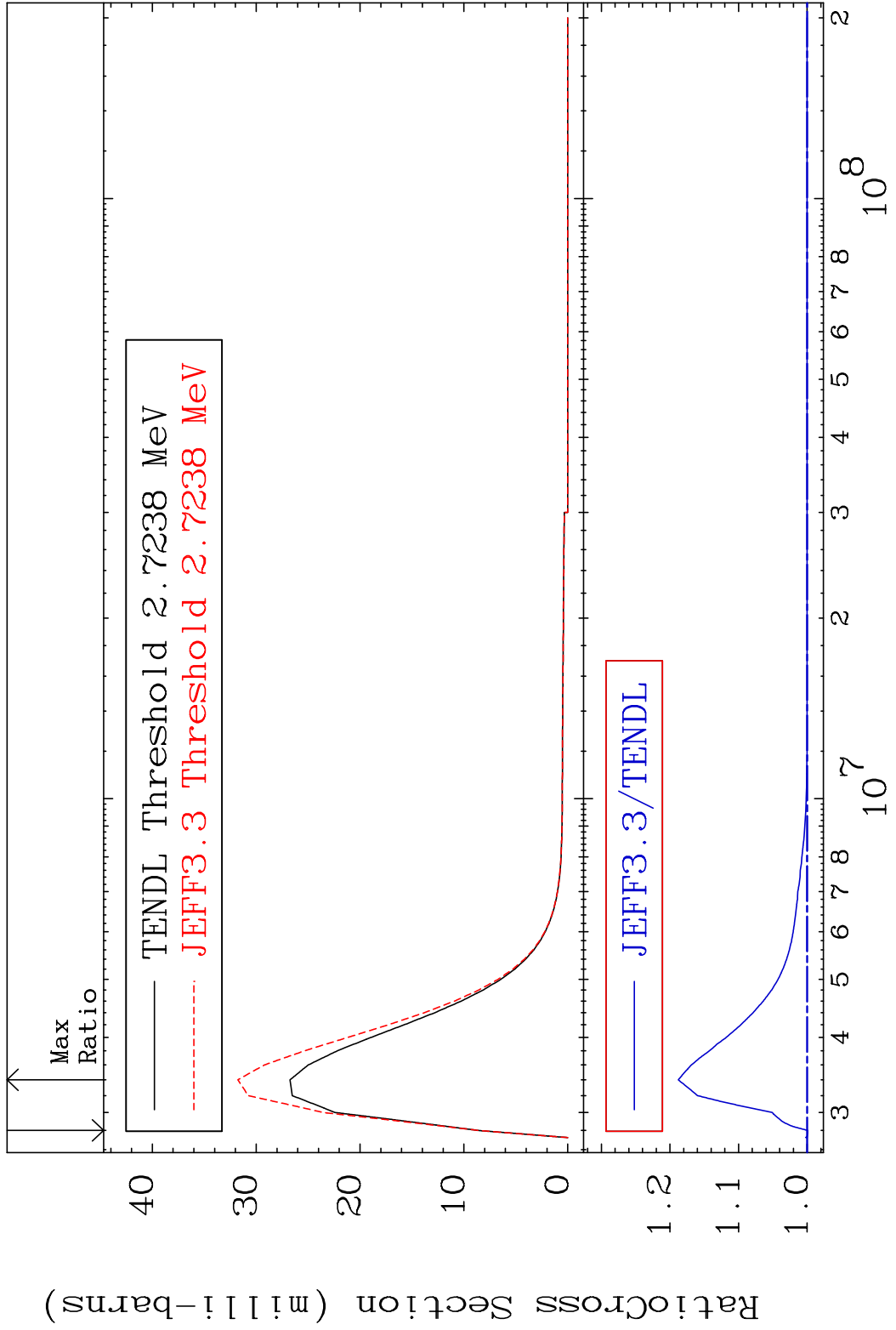


MAT 5061 MT= 67 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 14.60 %



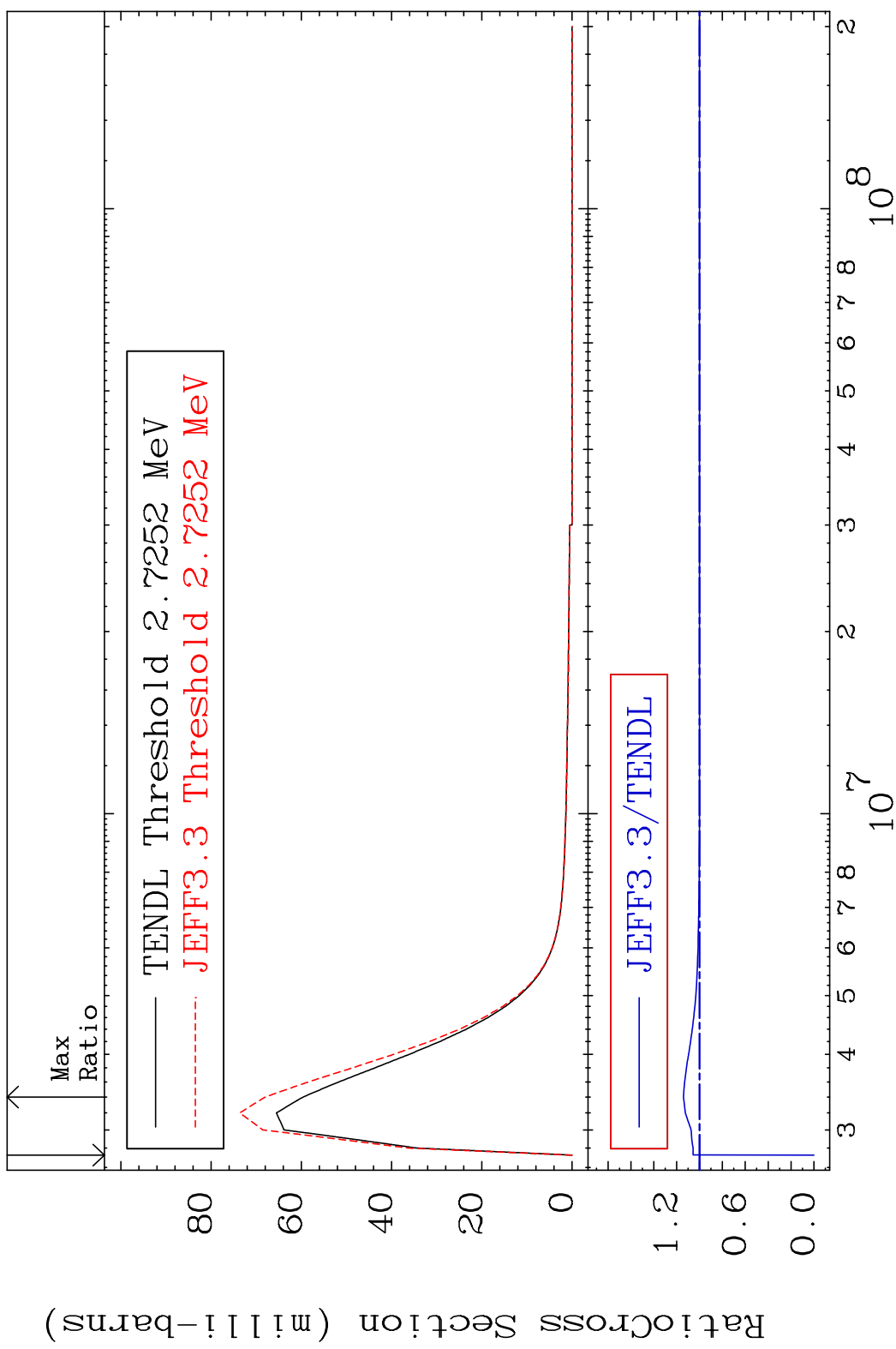
32 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 68 (n, n') Level 50-Sn-124
 Cross Section -0.076 To 18.79 %



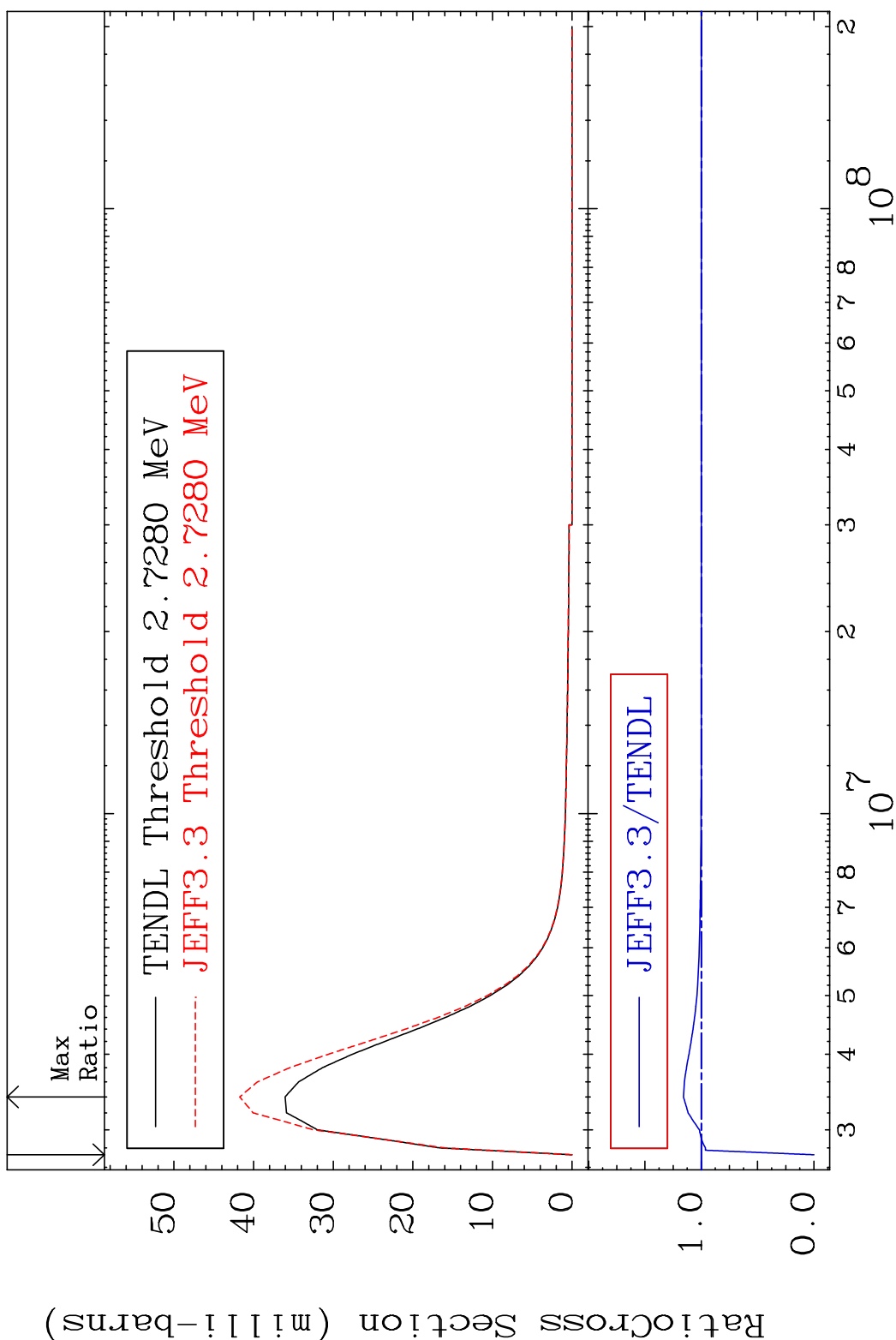
33 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 69 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 14.03 %



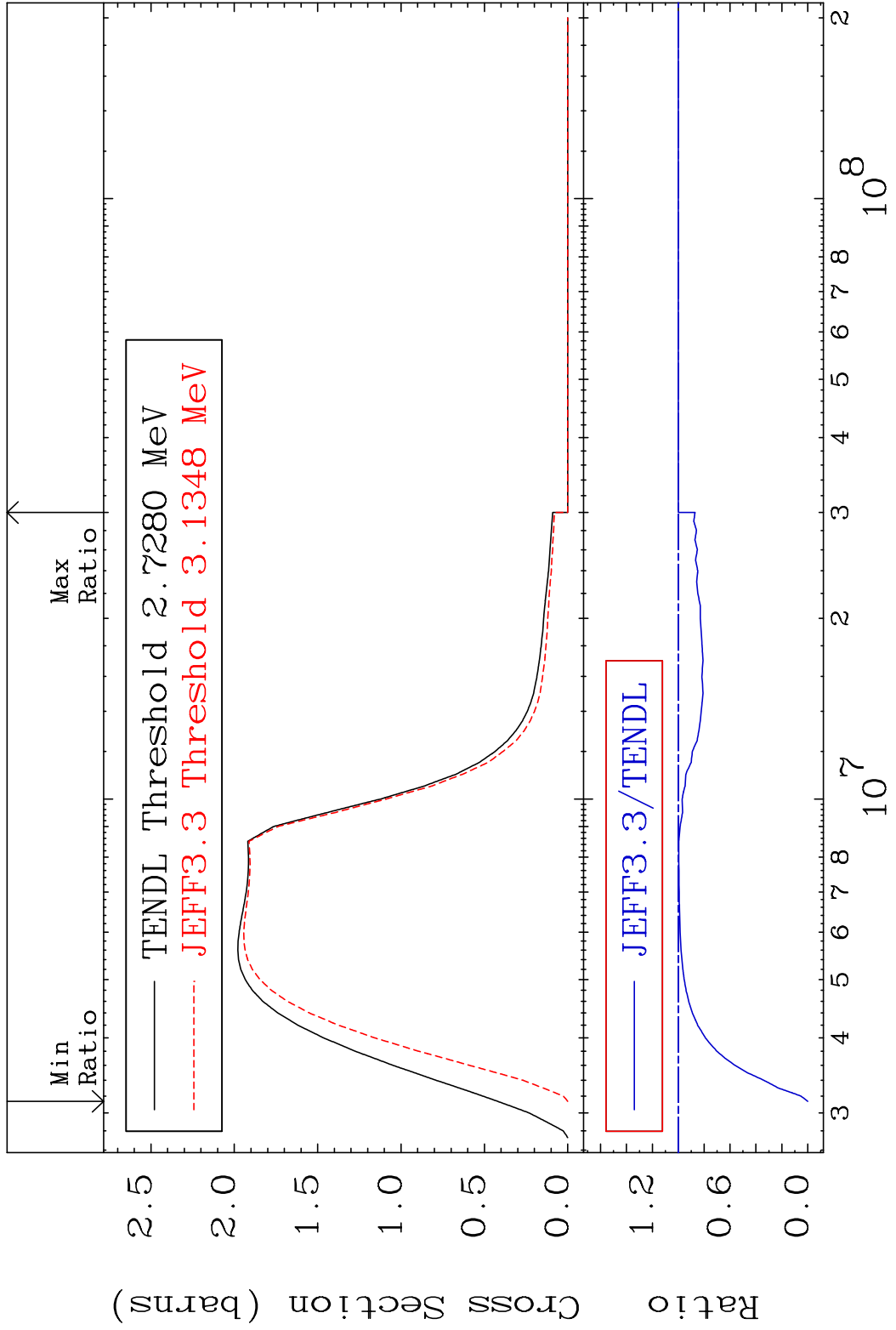
34 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 70 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 15.80 %



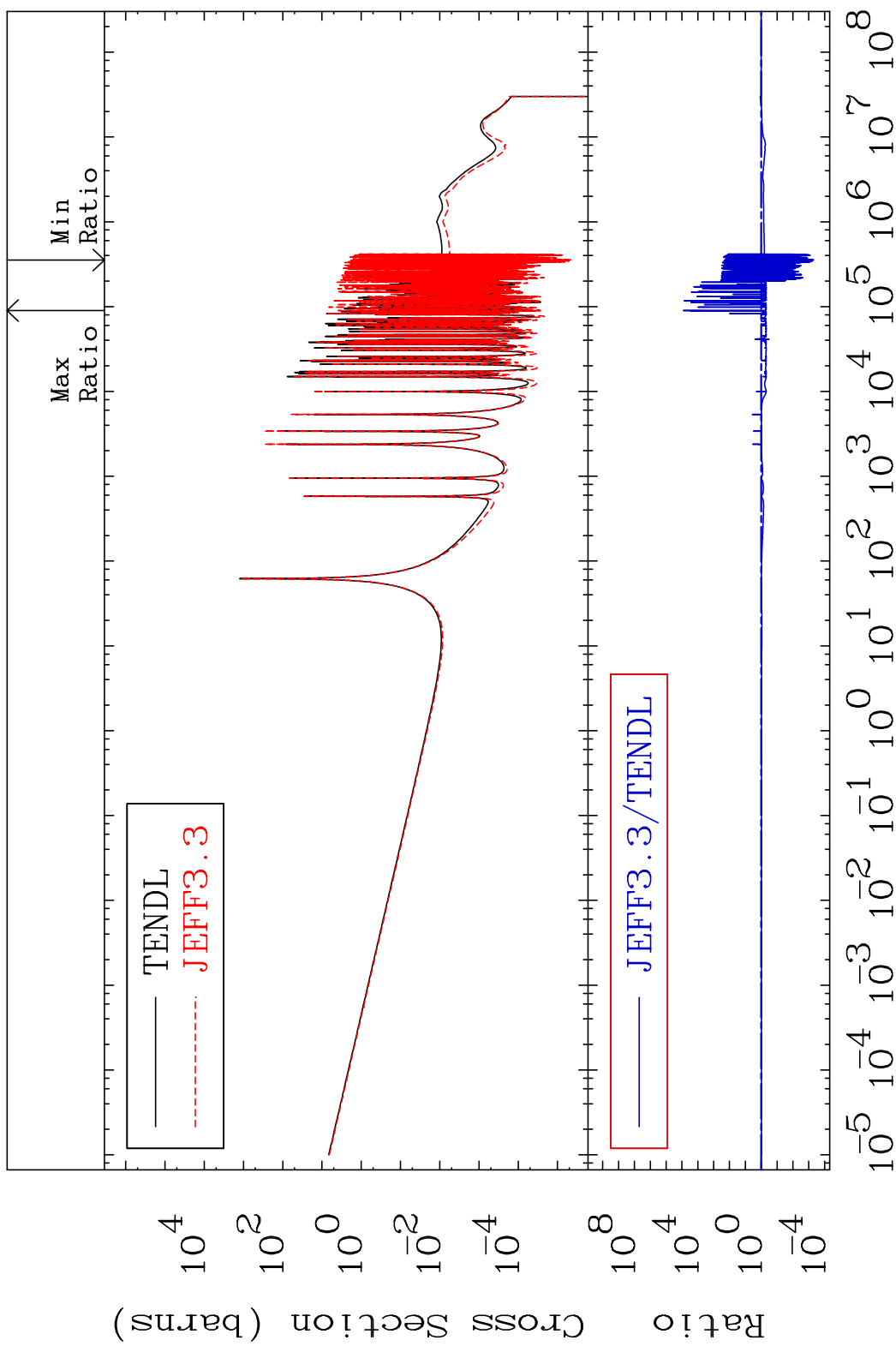
35 50-Sn-124

MAT 5061 (n, n') Continuum 50-Sn-124
 Cross Section -100.0 To 0.000 %

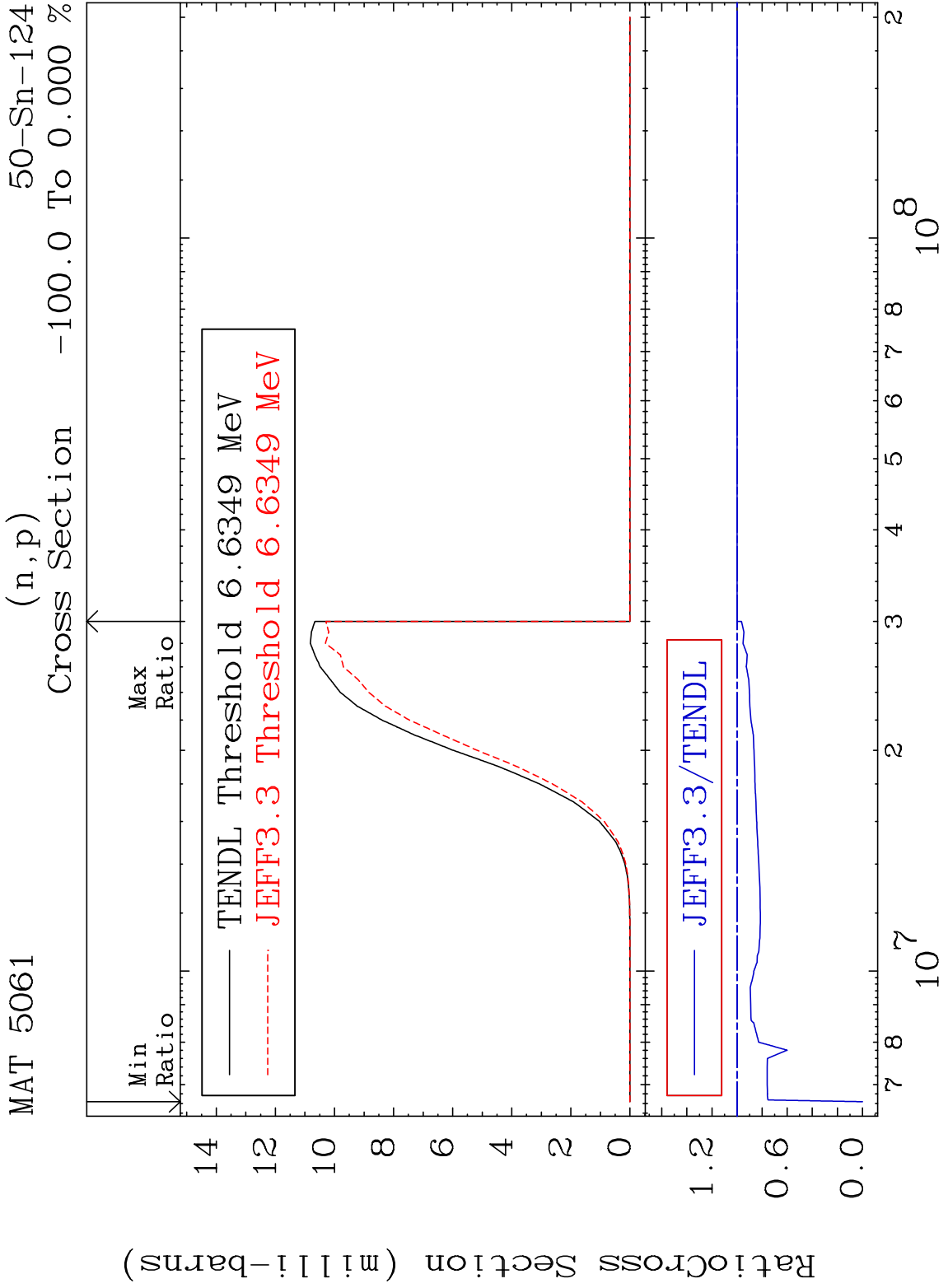


36 Incident Energy (eV) 50-Sn-124

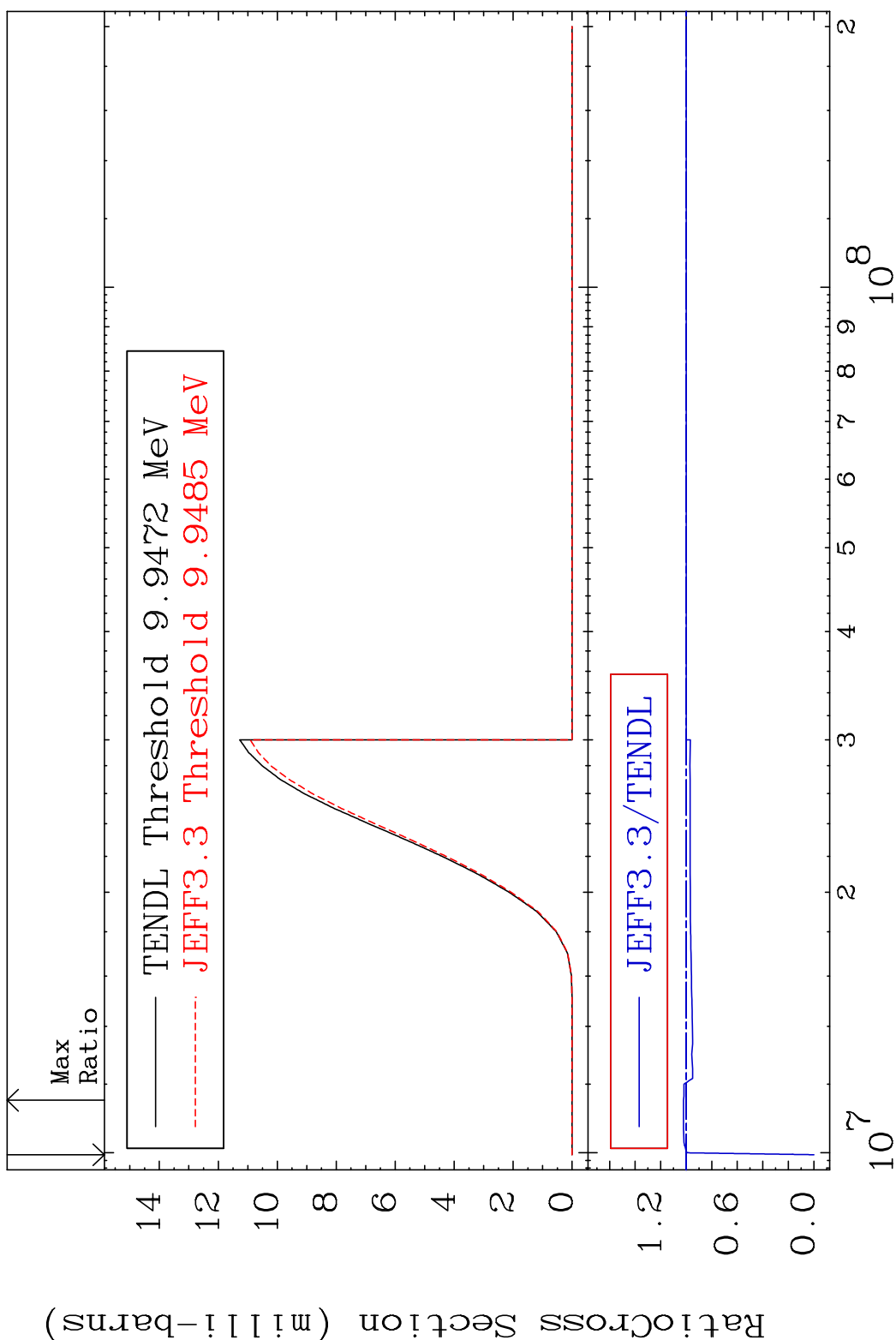
MAT 5061 (n, γ) 50-Sn-124
 Cross Section -99.95 To 9999. %



37 Incident Energy (eV) 50-Sn-124

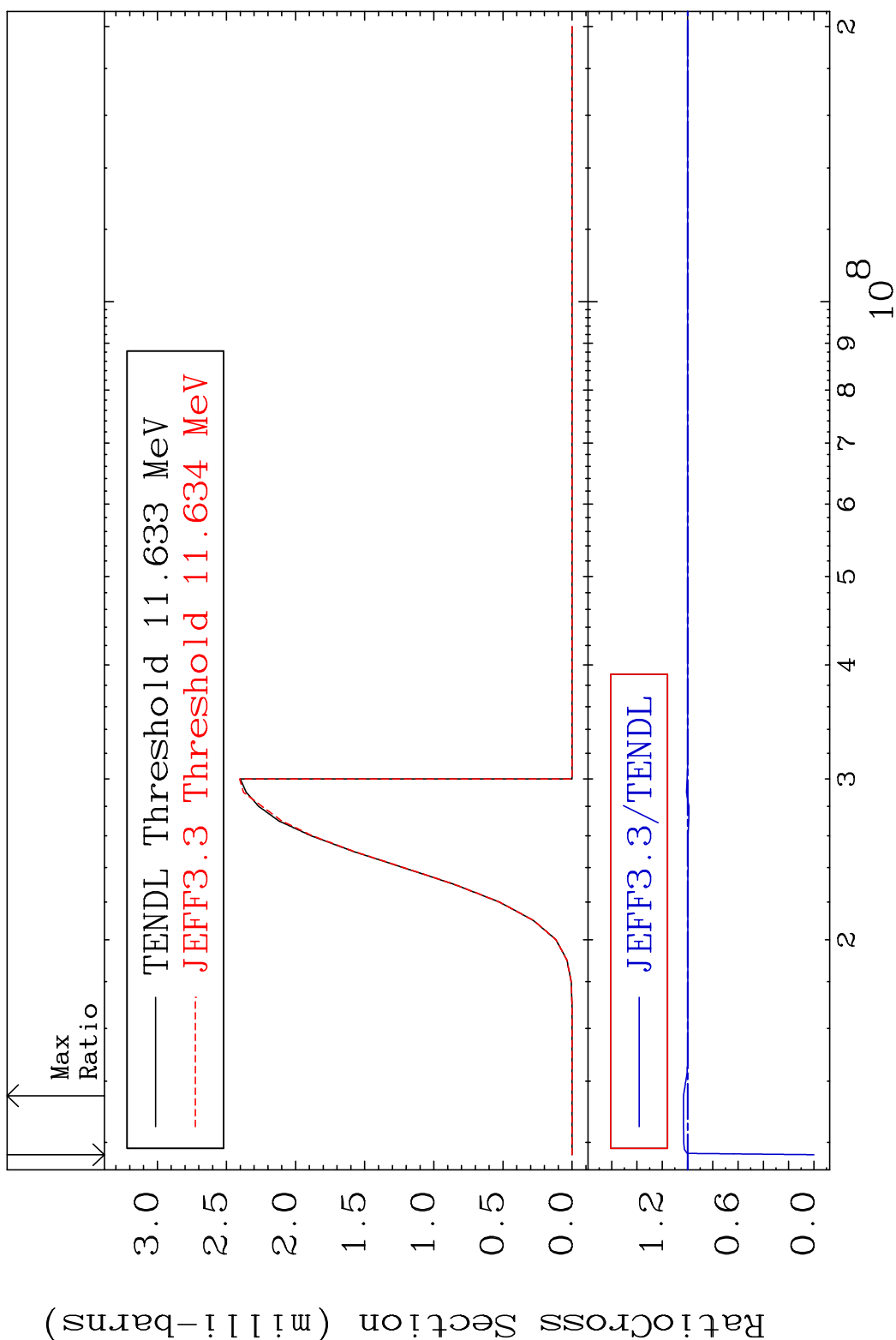


MAT 5061 (n, d) 50-Sn-124
 Cross Section -100.0 To 2.159 %



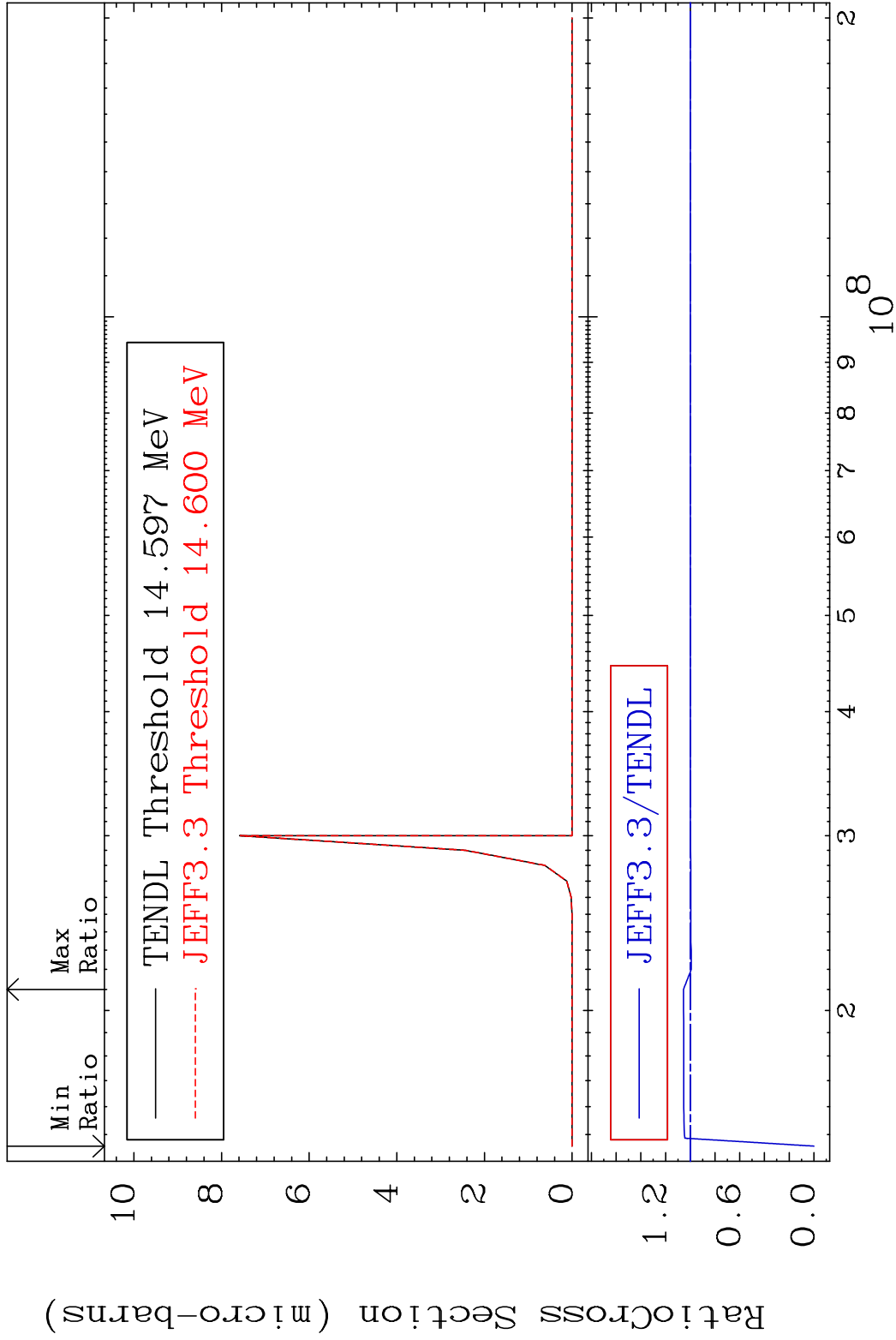
39 50-Sn-124

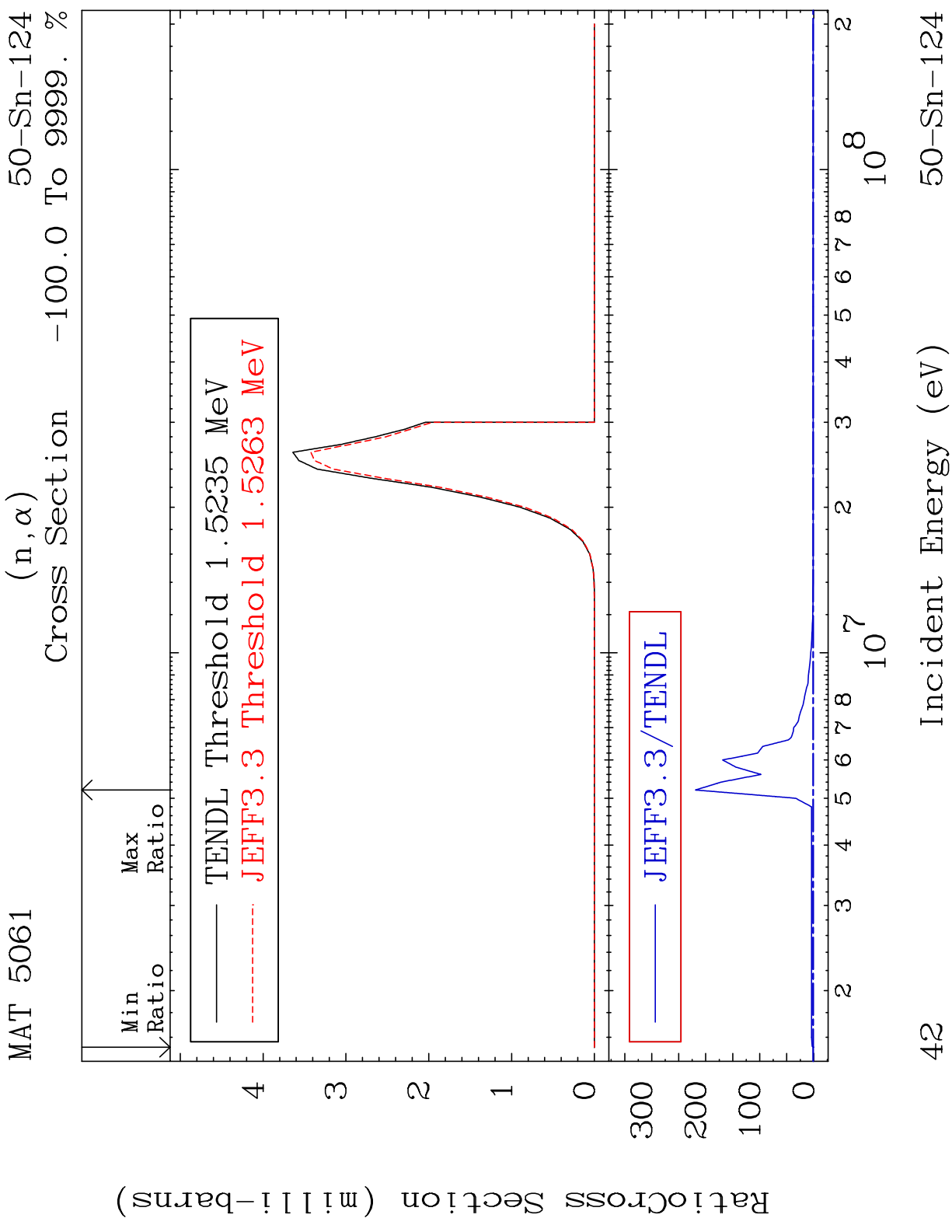
MAT 5061 (n, t) 50-Sn-124
 Cross Section -100.0 To 3.224 %



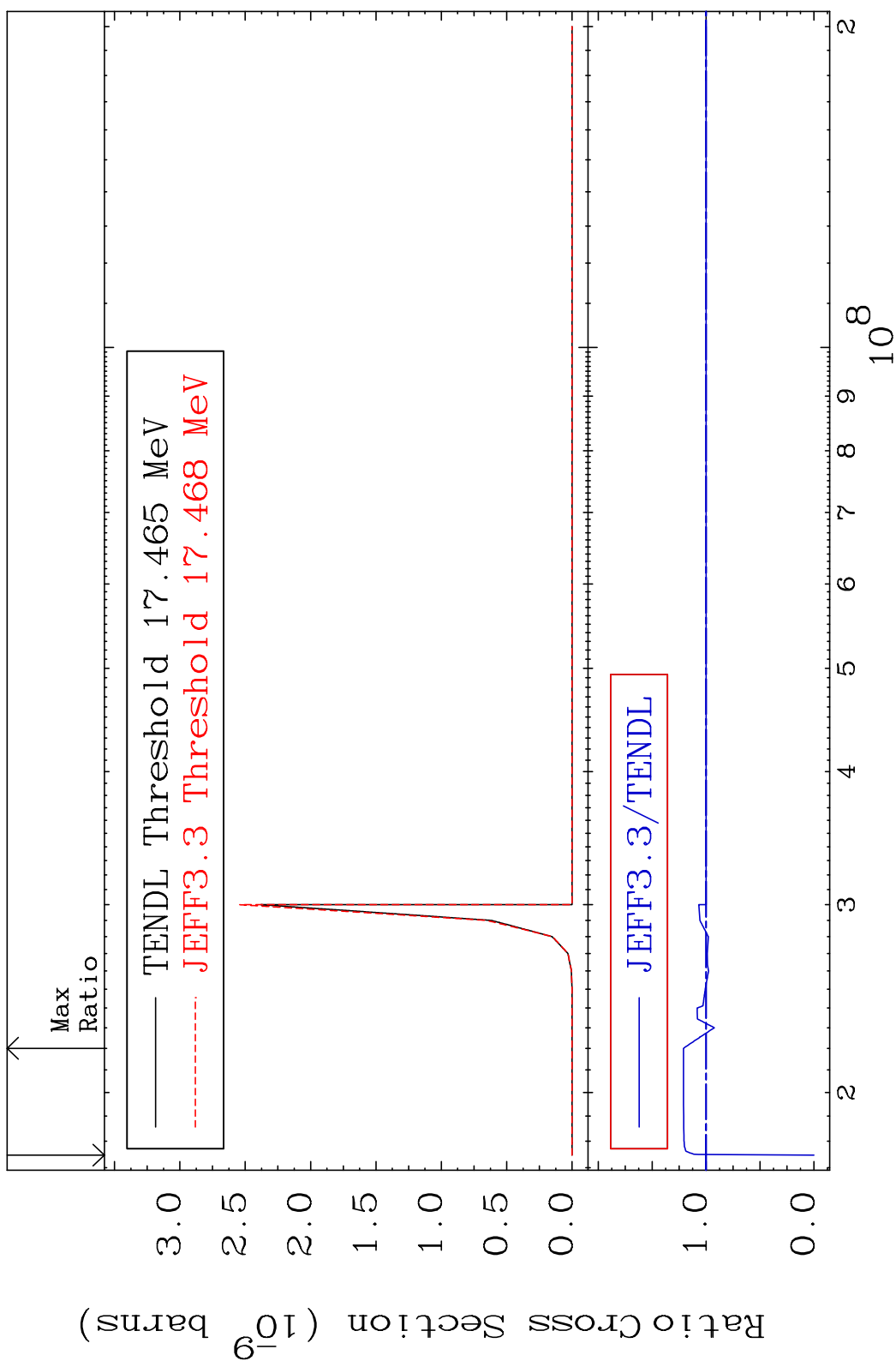
40 50-Sn-124

MAT 5061 (n, He-3) 50-Sn-124
 Cross Section -100.0 To 5.530 %



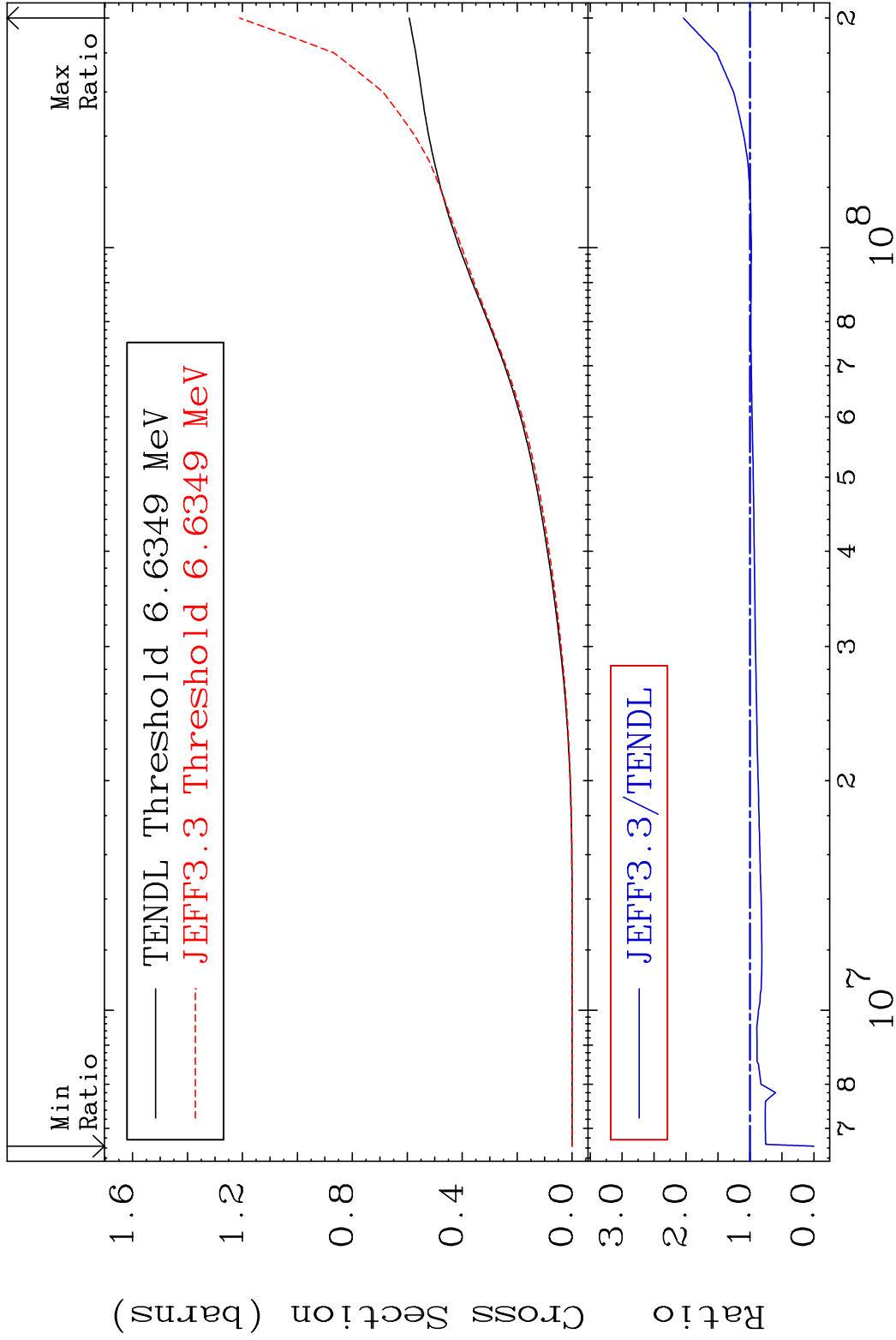


MAT 5061 (n,2p) 50-Sn-124
 Cross Section -100.0 To 21.01 %



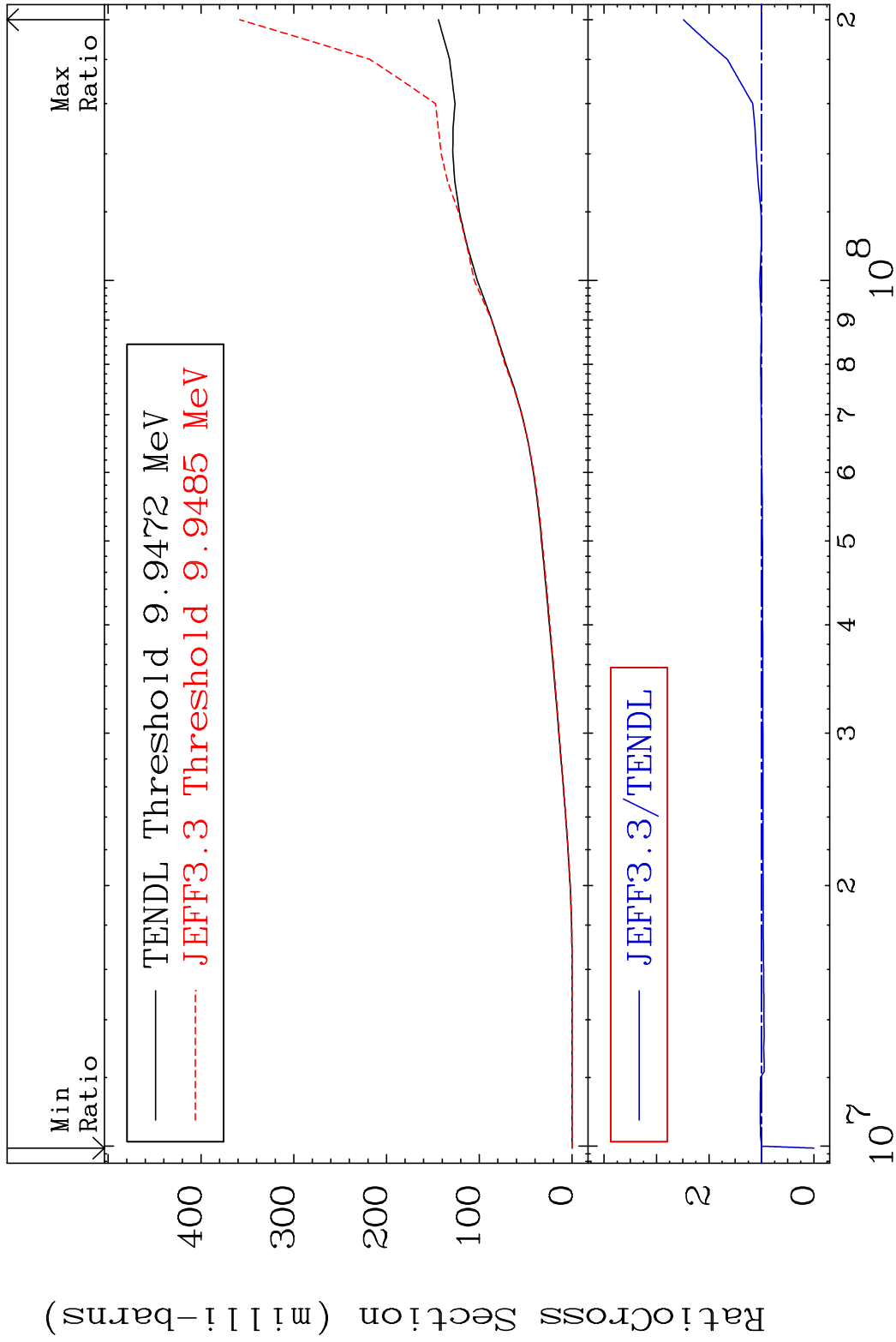
43 Incident Energy (eV) 50-Sn-124

MAT 5061 Hydrogen Production 50-Sn-124
 Cross Section -100.0 To 104.1 %

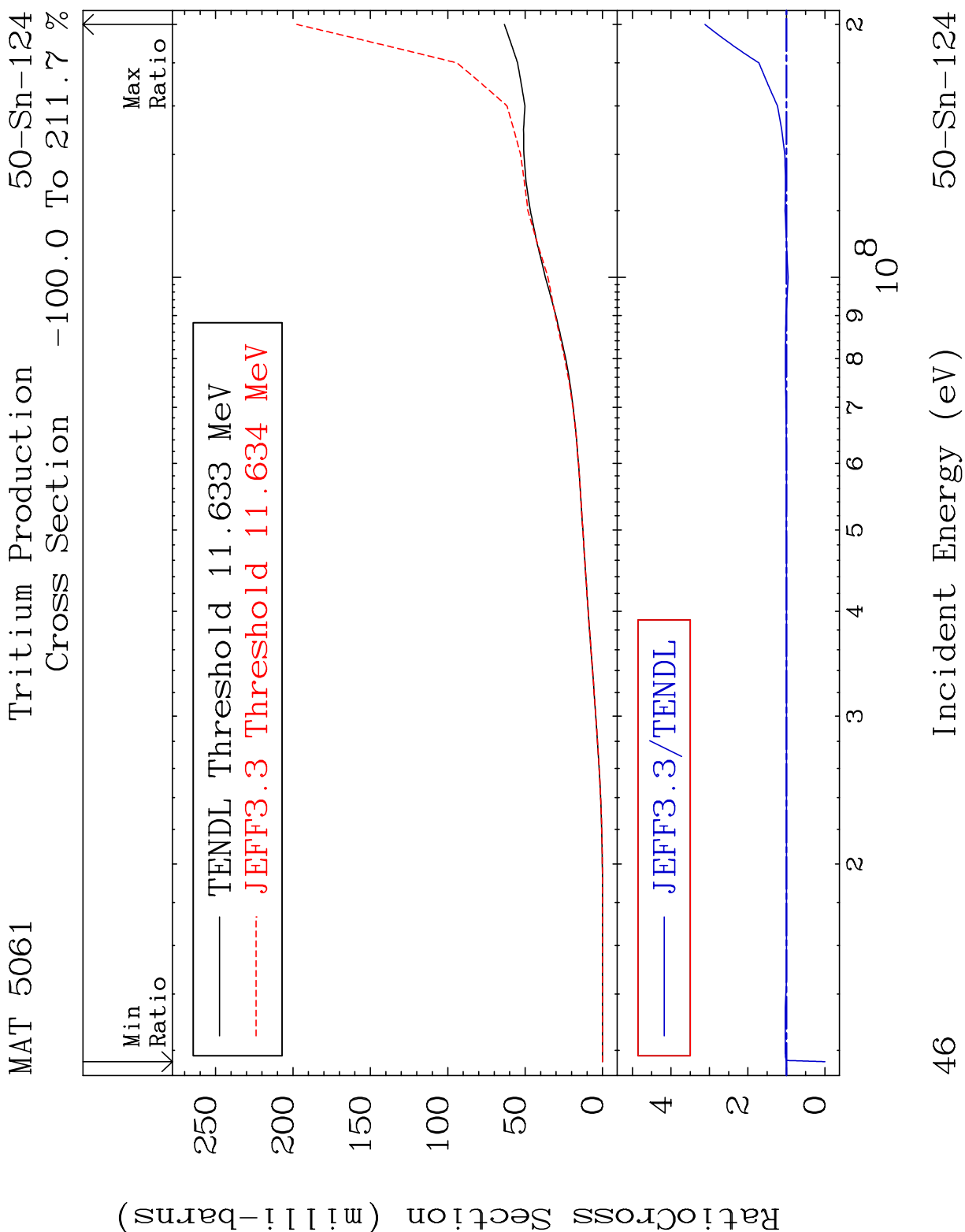


44 Incident Energy (eV) 50-Sn-124

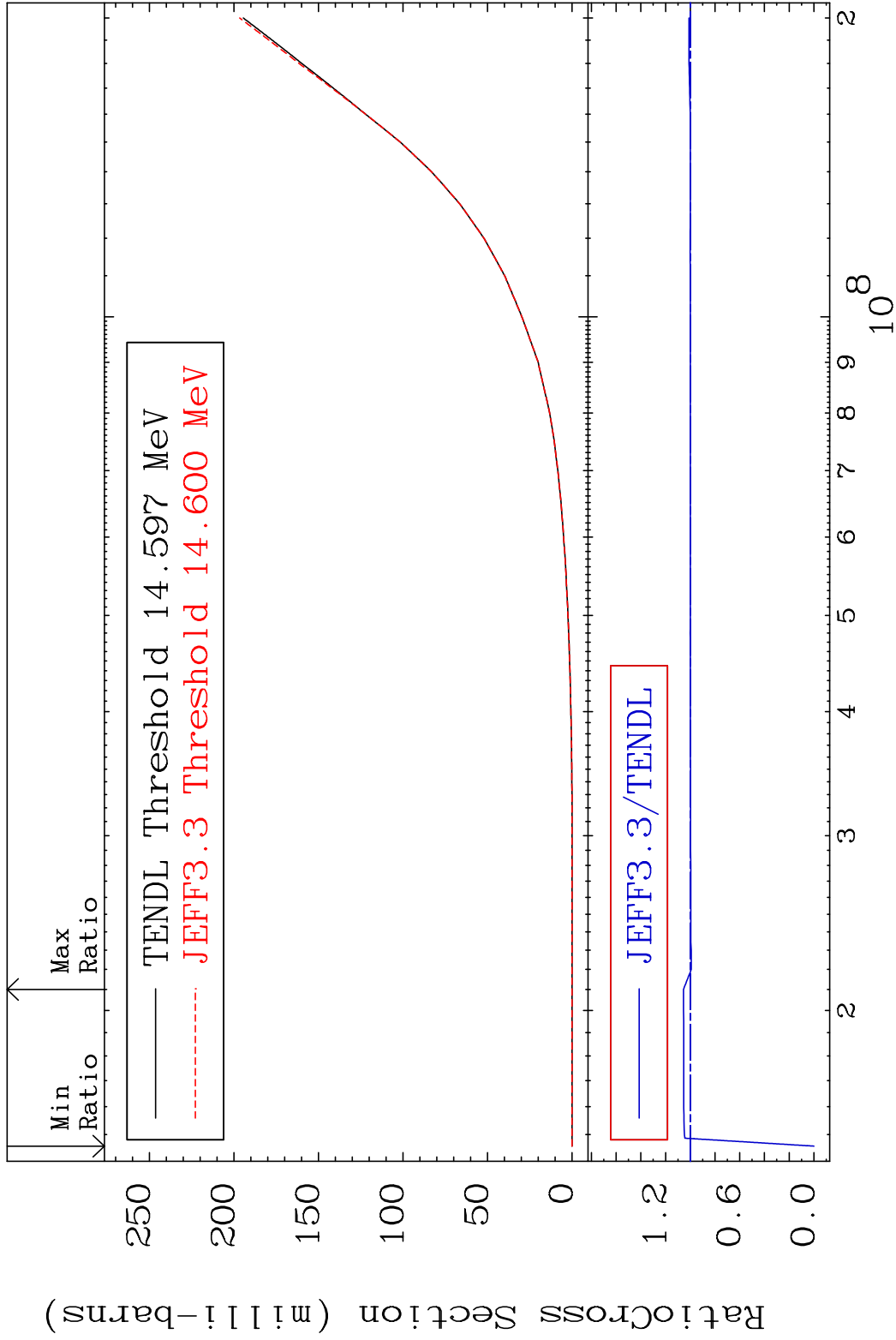
MAT 5061 Deuterium Production 50-Sn-124
Cross Section -100.0 To 148.7 %



45 Incident Energy (eV) 50-Sn-124

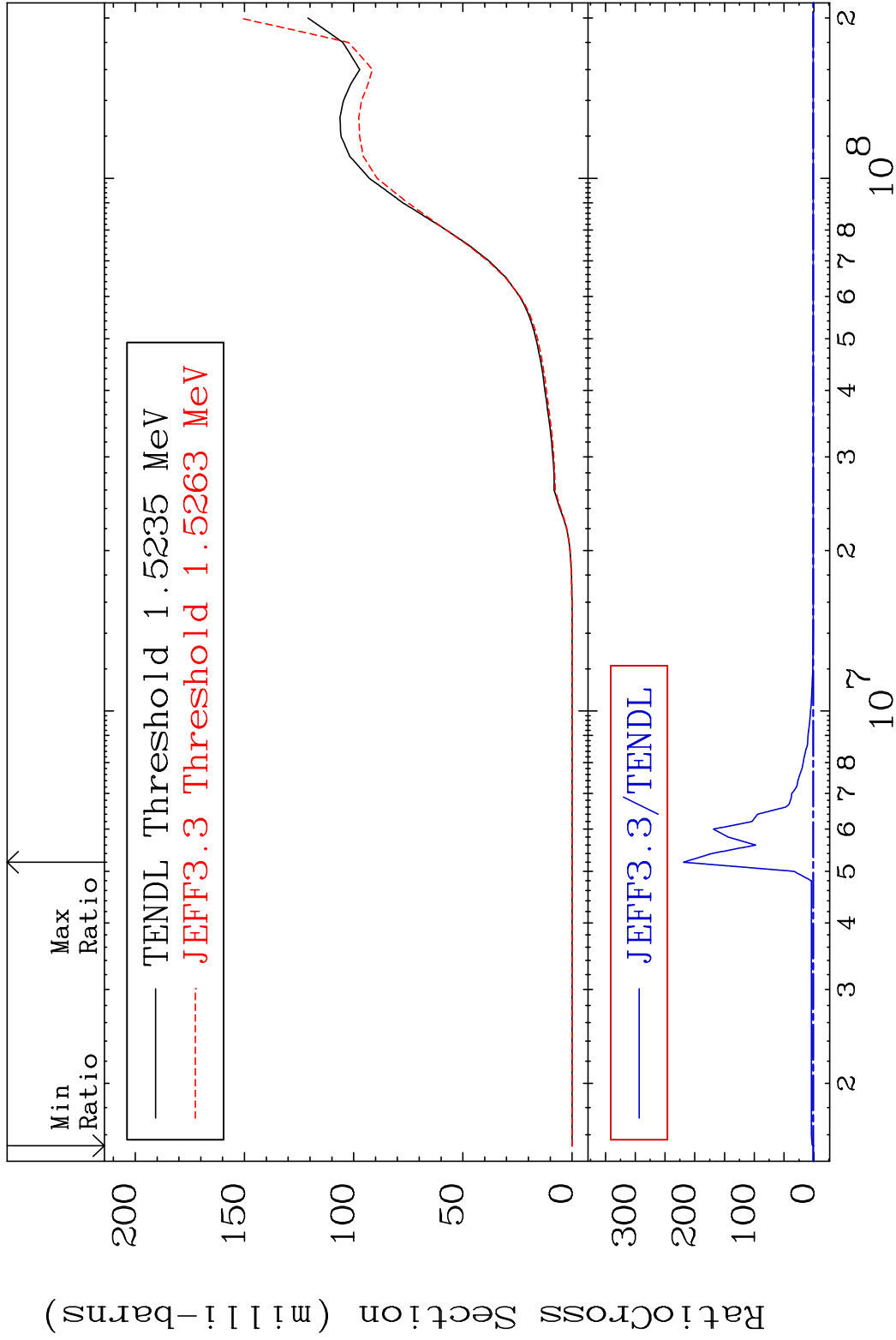


MAT 5061 He-3 Production 50-Sn-124
 Cross Section -100.0 To 5.530 %



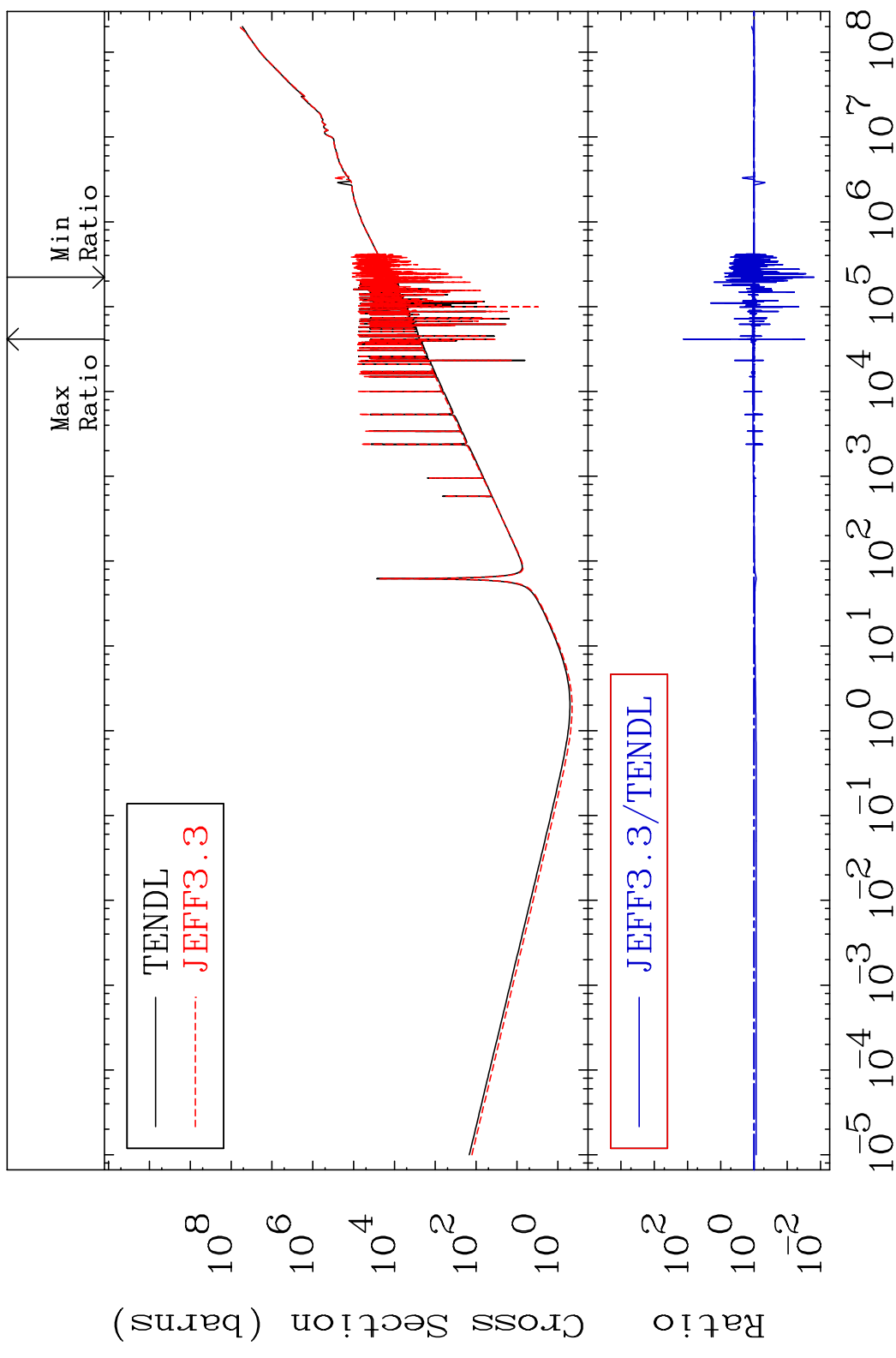
47 50-Sn-124

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



48 50-Sn-124

MAT 5061 Kerma total (eV-barns) 50-Sn-124
 Cross Section -98.42 To 9999. %

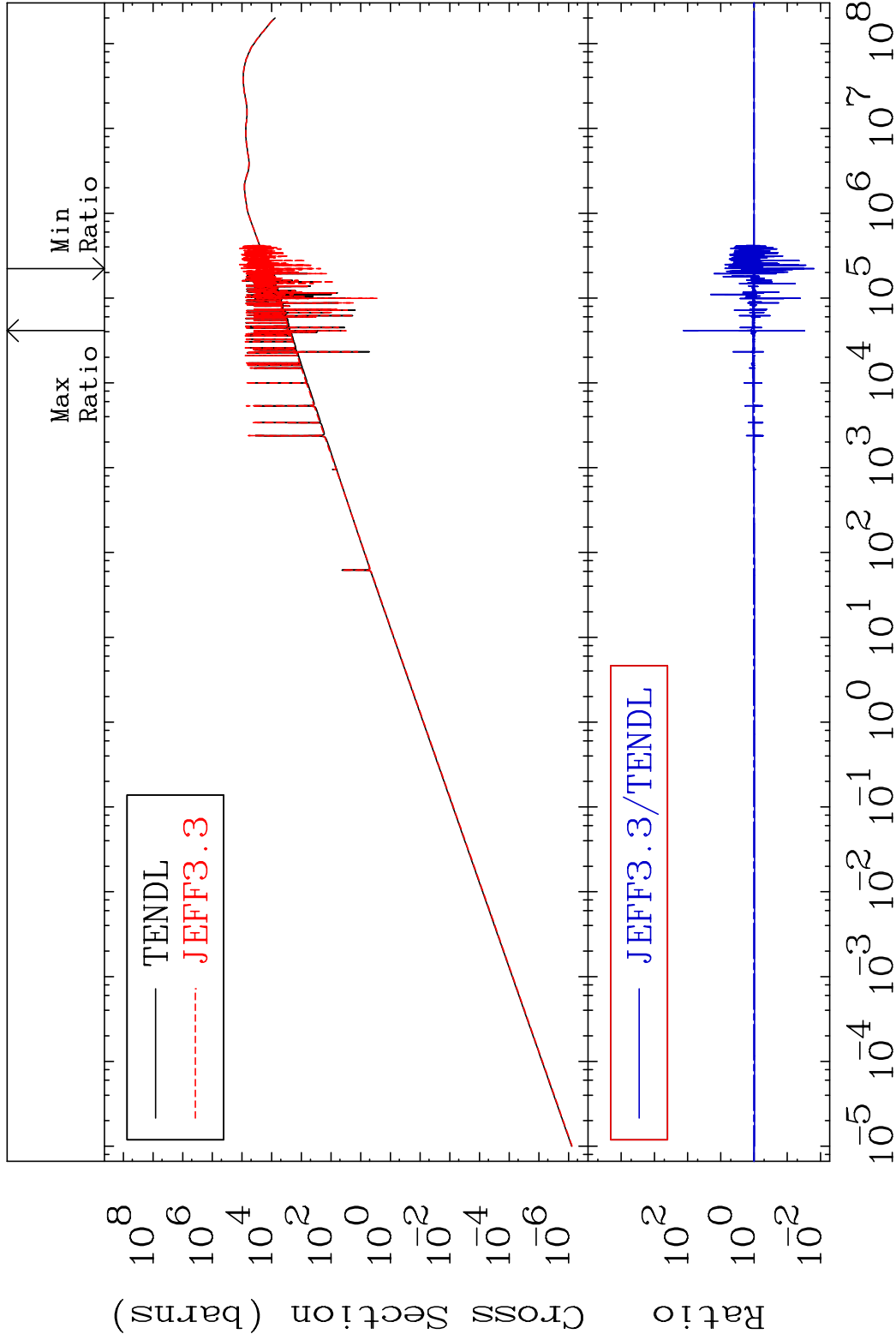


49 Incident Energy (eV) 50-Sn-124

MAT 5061

Kerma elastic
Cross Section

50-Sn-124
-98.42 To 9999. %

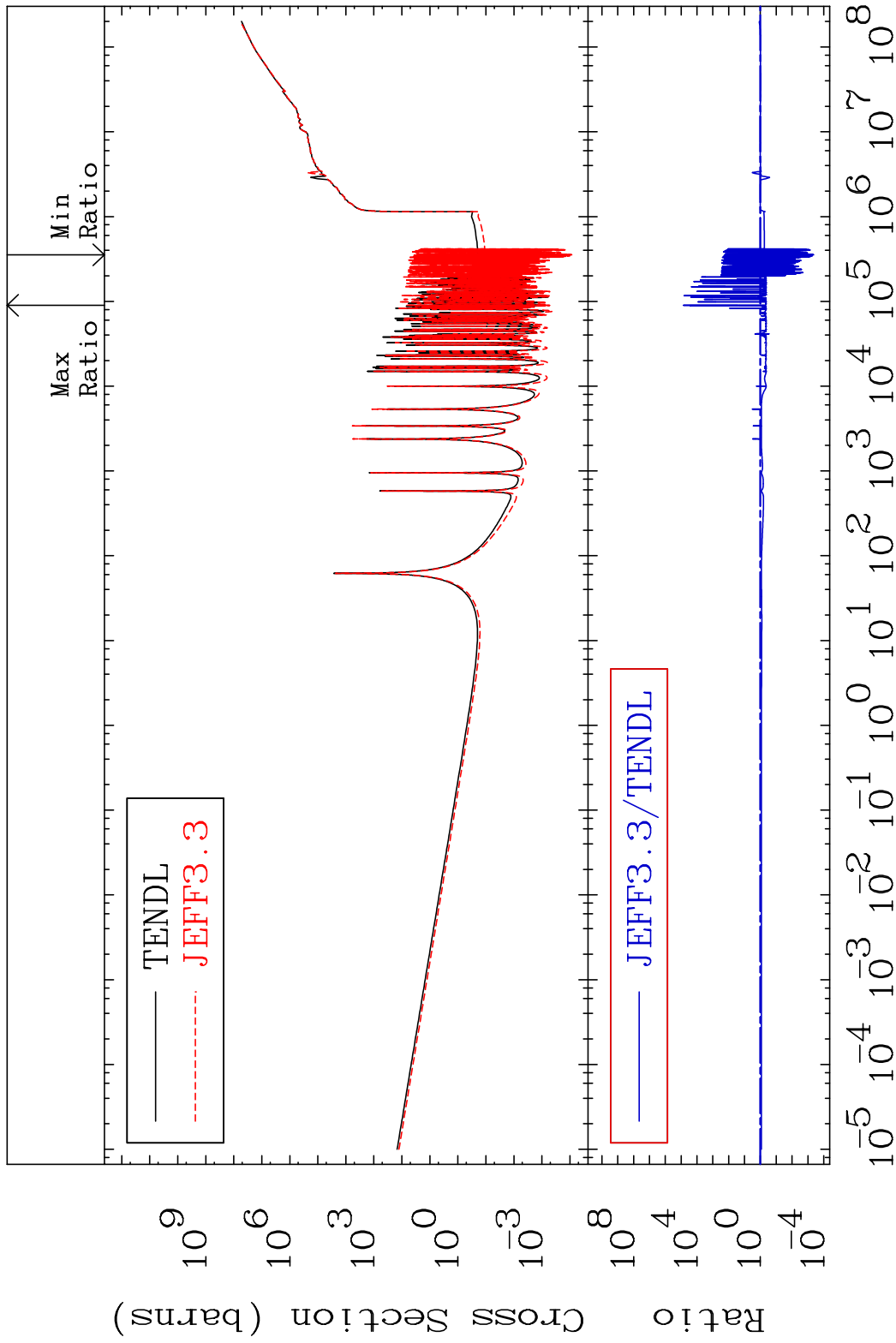


50

Incident Energy (eV)

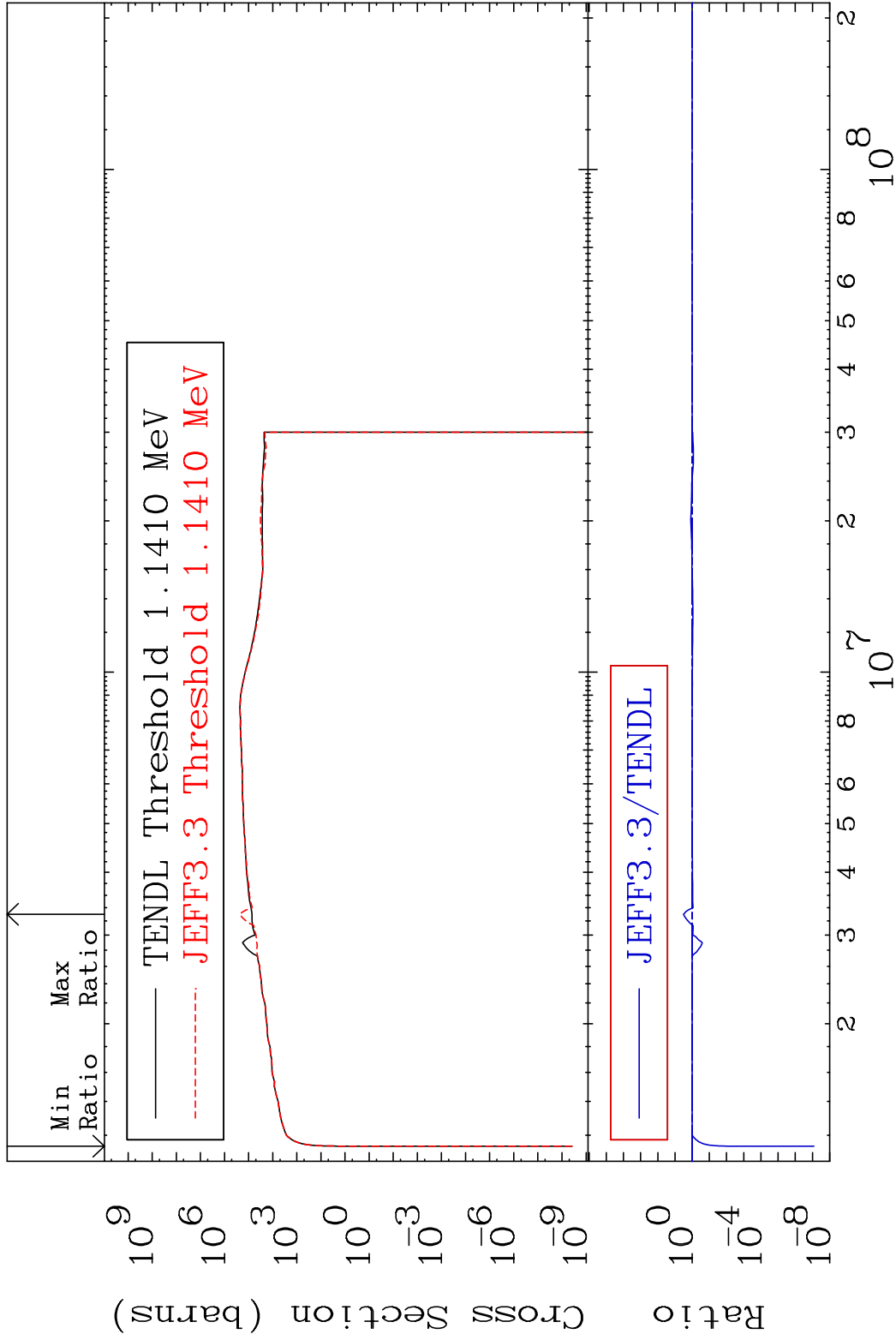
50-Sn-124

MAT 5061 Kerma non-elastic (all but mt2) 50-Sn-124
 Cross Section -99.96 To 9999. %

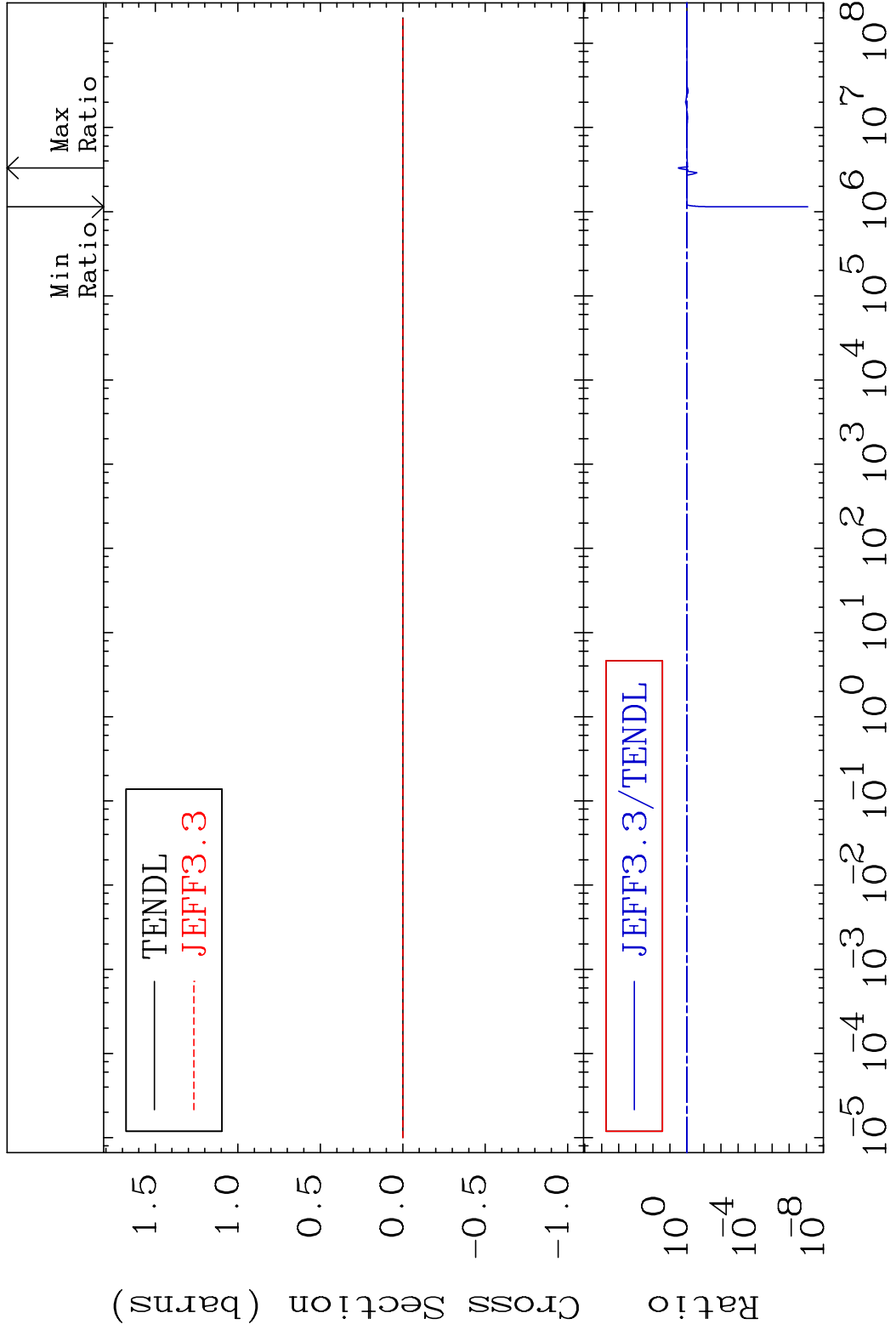


51 Incident Energy (eV) 50-Sn-124

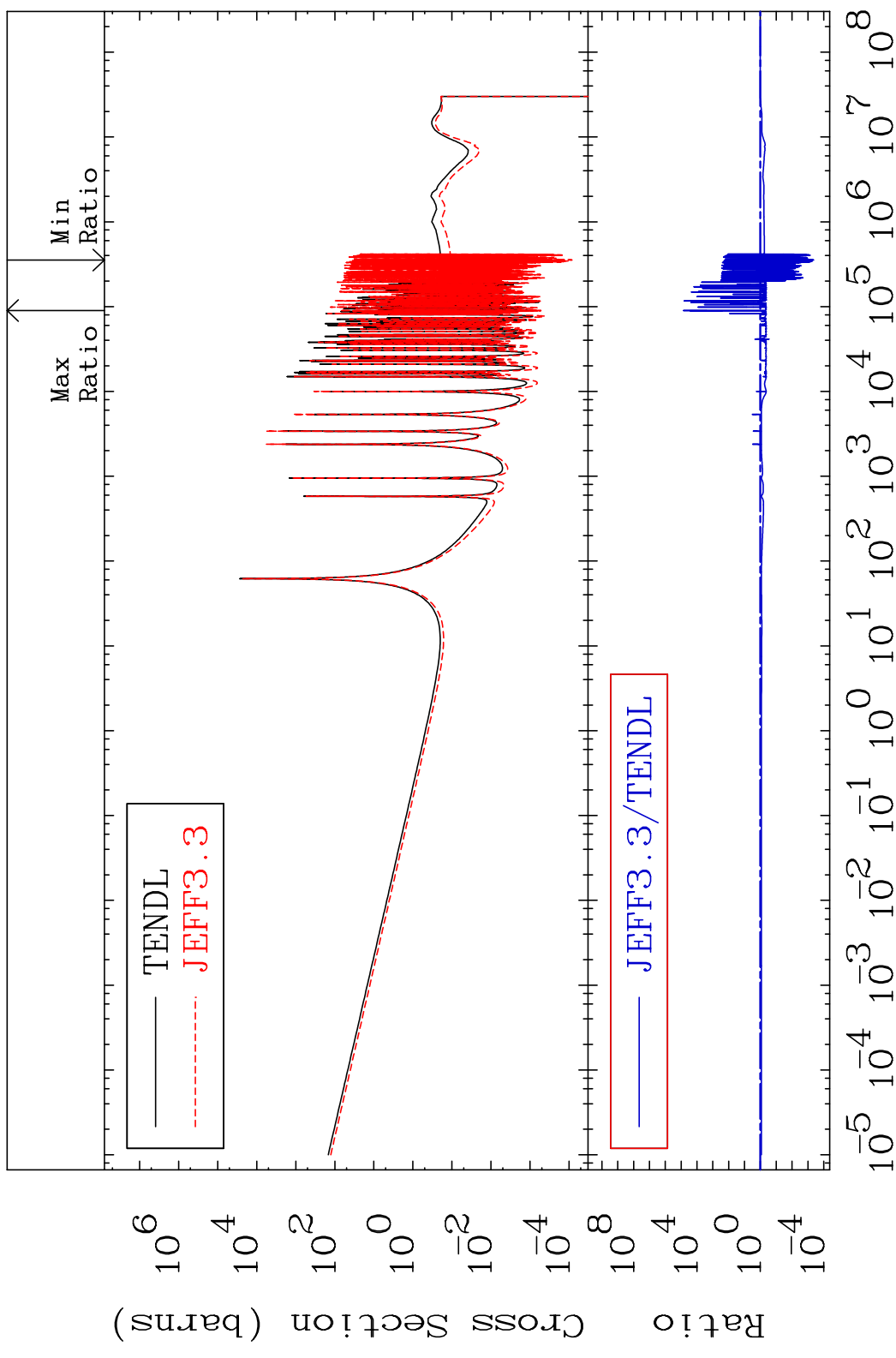
MAT 5061 Kerma inelastic (mt51-91) 50-Sn-124
 Cross Section -100.0 To 221.4 %



MAT 5061 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-124
 Cross Section -100.0 To 221.4 %

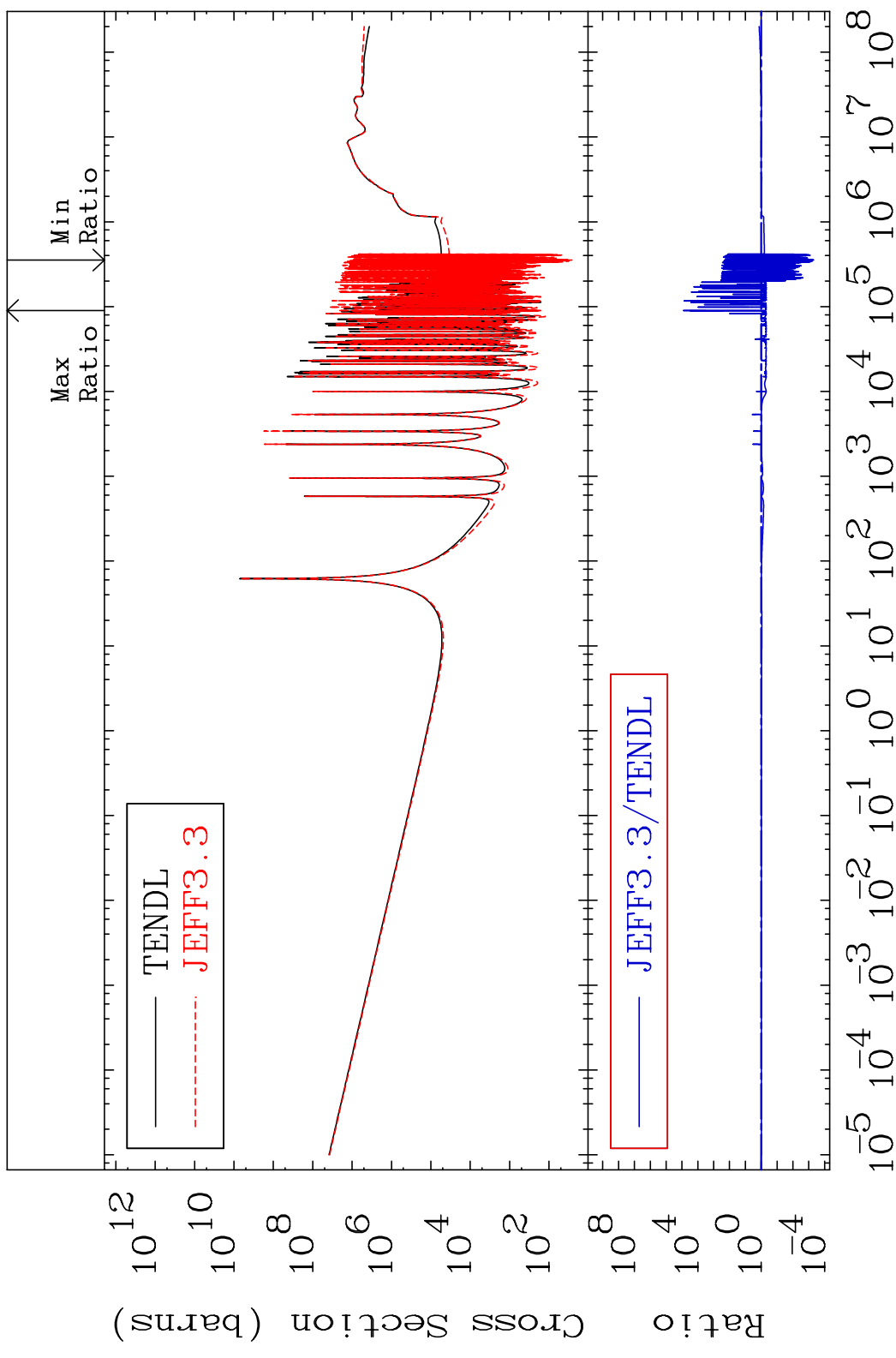


MAT 5061 Kerma capture (mt102) 50-Sn-124
 Cross Section -99.96 To 9999. %



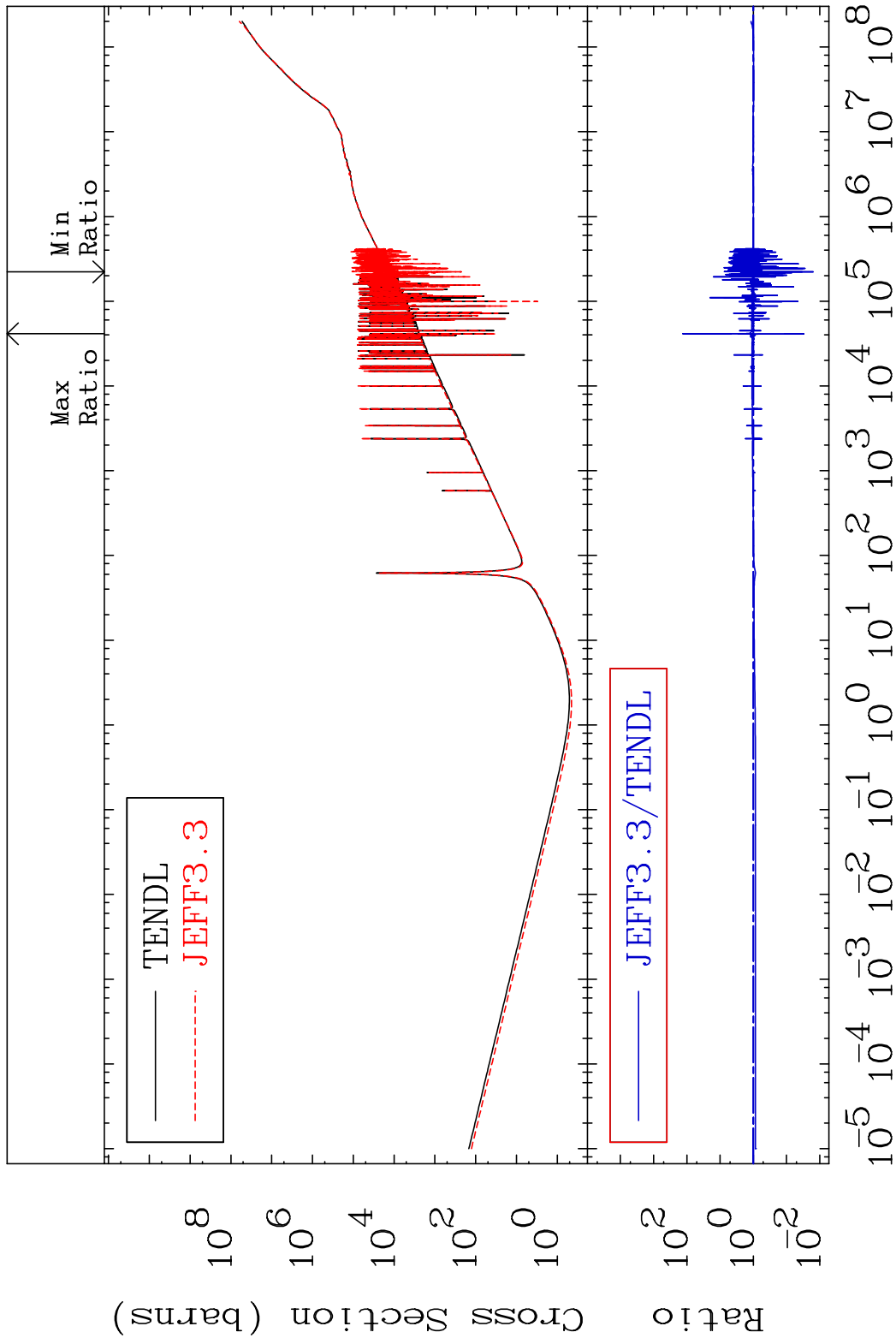
54 Incident Energy (eV) 50-Sn-124

MAT 5061 Total photon (eV-barns) 50-Sn-124
 Cross Section -99.95 To 9999. %

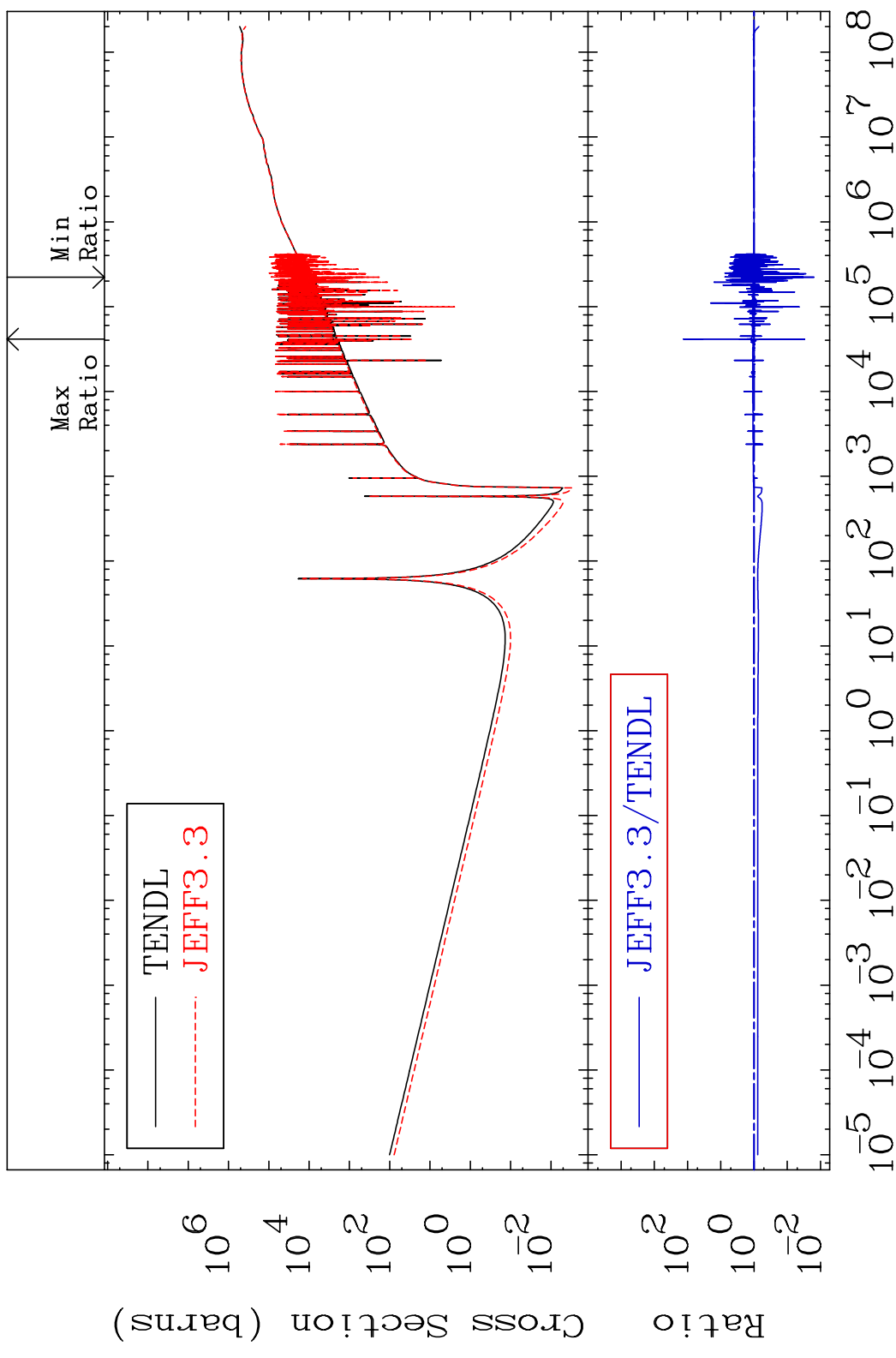


55 Incident Energy (eV) 50-Sn-124

MAT 5061 Total kinematic kerma (high limit) 50-Sn-124
 Cross Section -98.42 To 9999. %

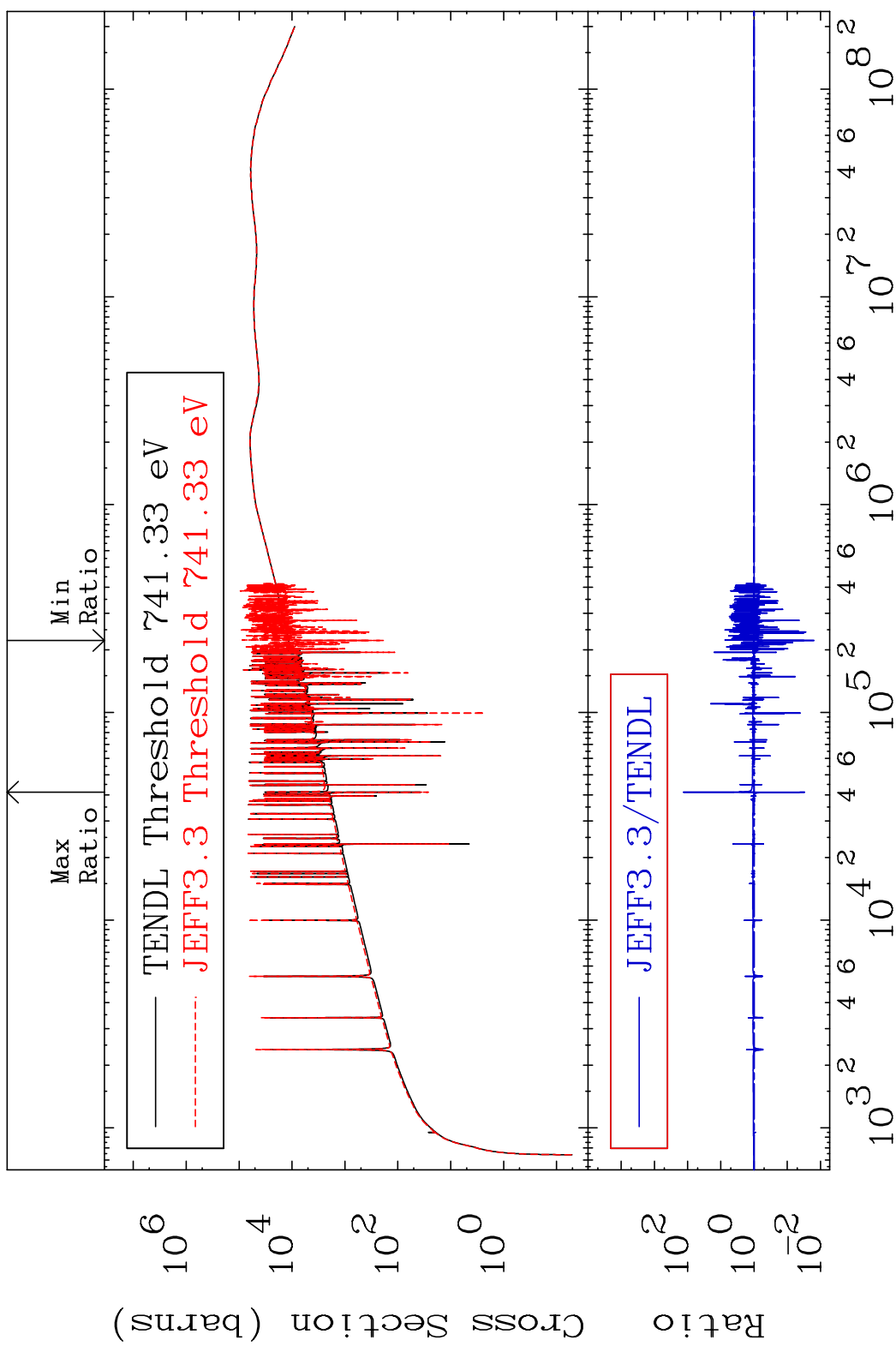


MAT 5061 Dpa total (eV-barns) 50-Sn-124
 Cross Section -98.42 To 9999. %



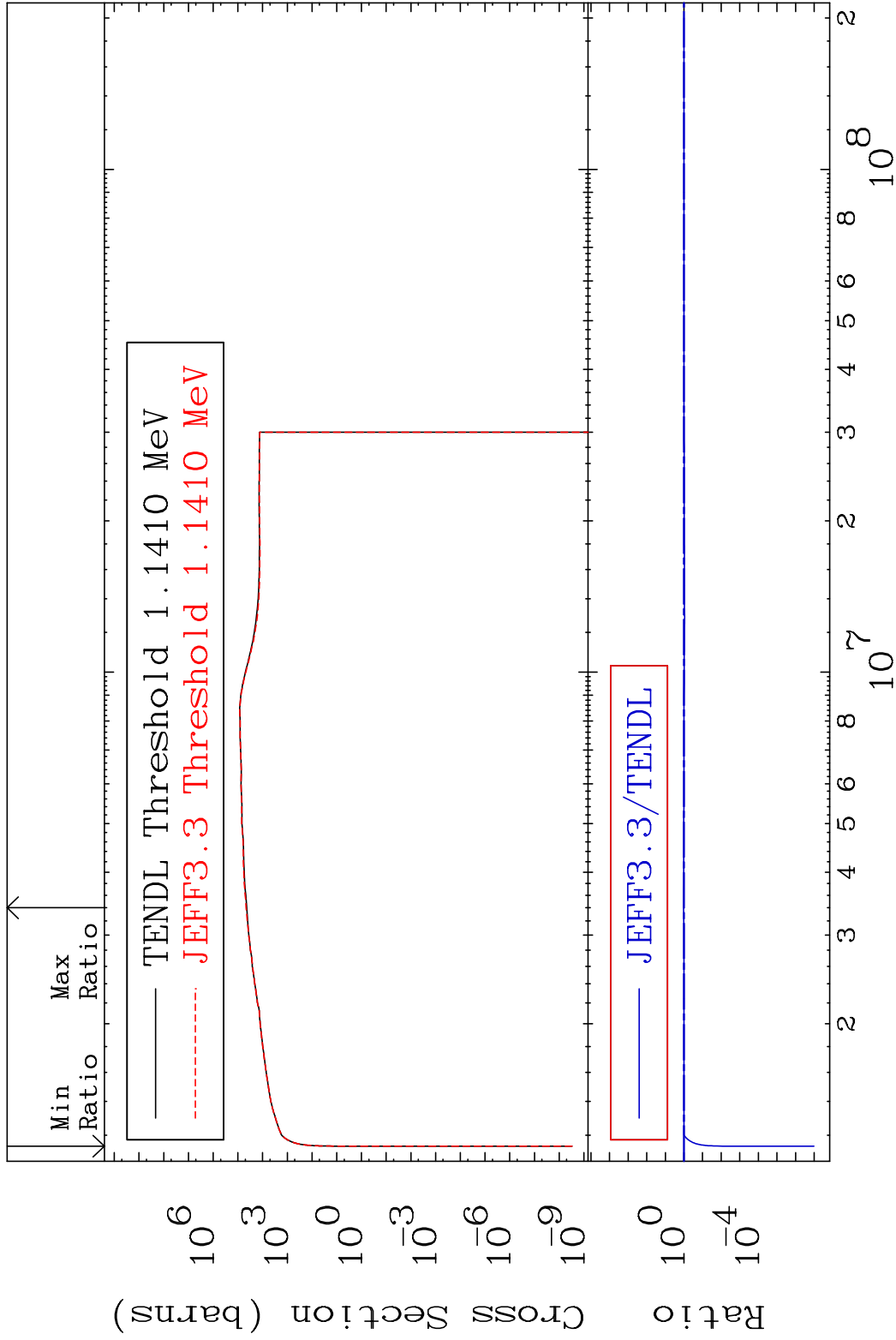
57 Incident Energy (eV) 50-Sn-124

MAT 5061 Dpa elastic (mt2) 50-Sn-124
 Cross Section -98.42 To 9999. %



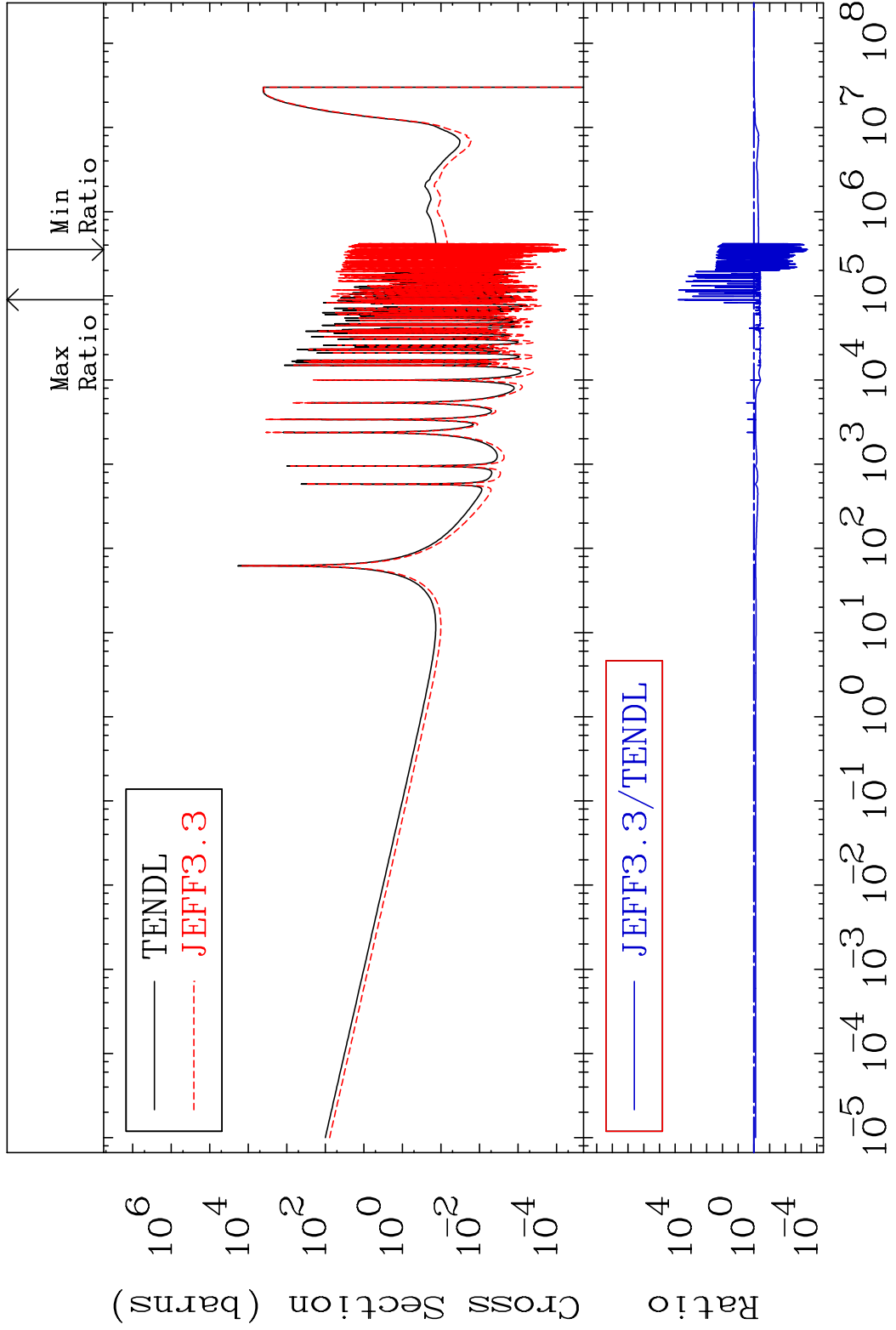
58 Incident Energy (eV) 50-Sn-124

MAT 5061 Dpa inelastic (mt51-91) 50-Sn-124
 Cross Section -100.0 To 6.276 %



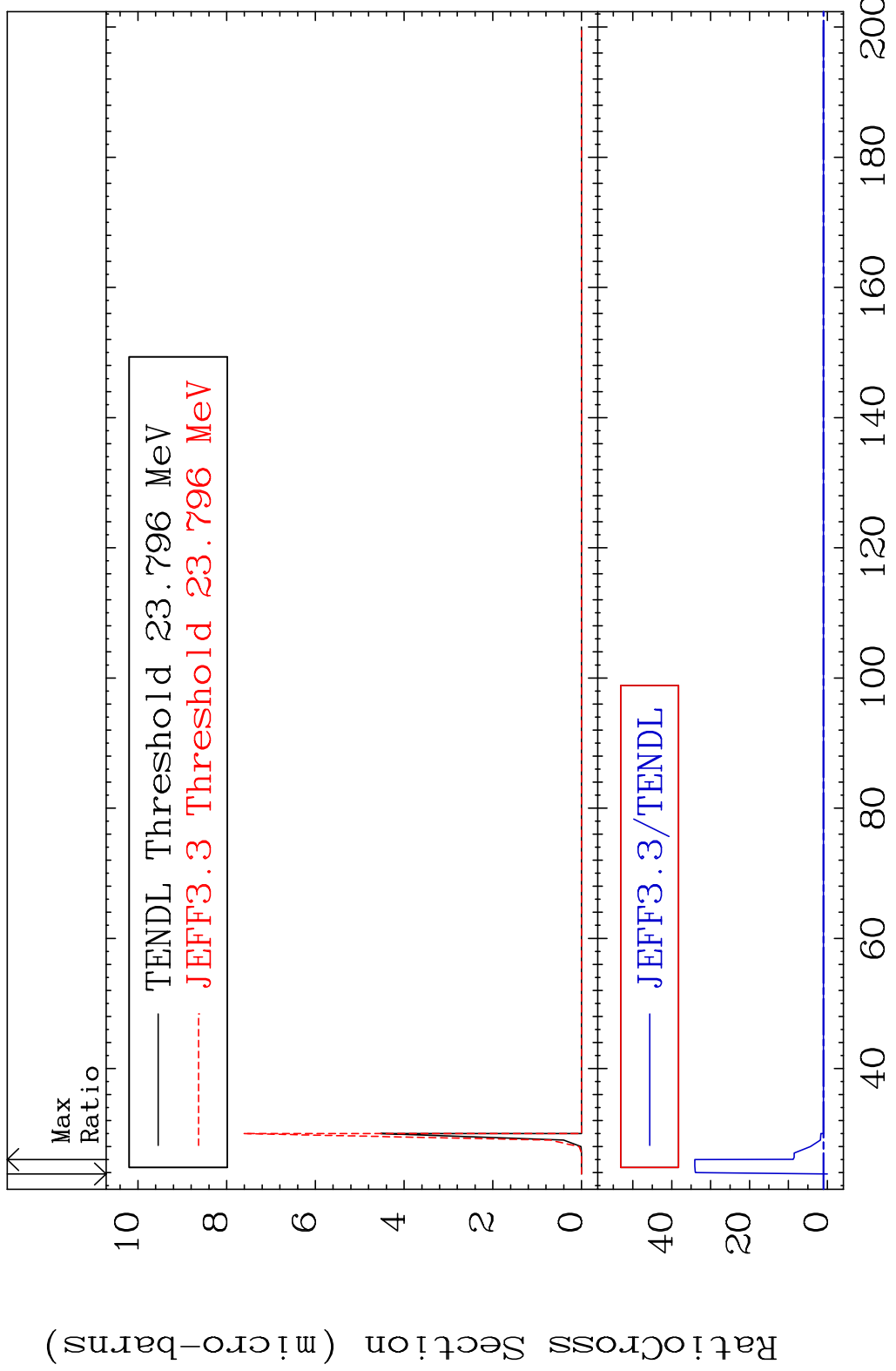
59 Incident Energy (eV) 50-Sn-124

MAT 5061 Dpa disappearance (mt102 -120) 50-Sn-124
 Cross Section -99.96 To 9999. %



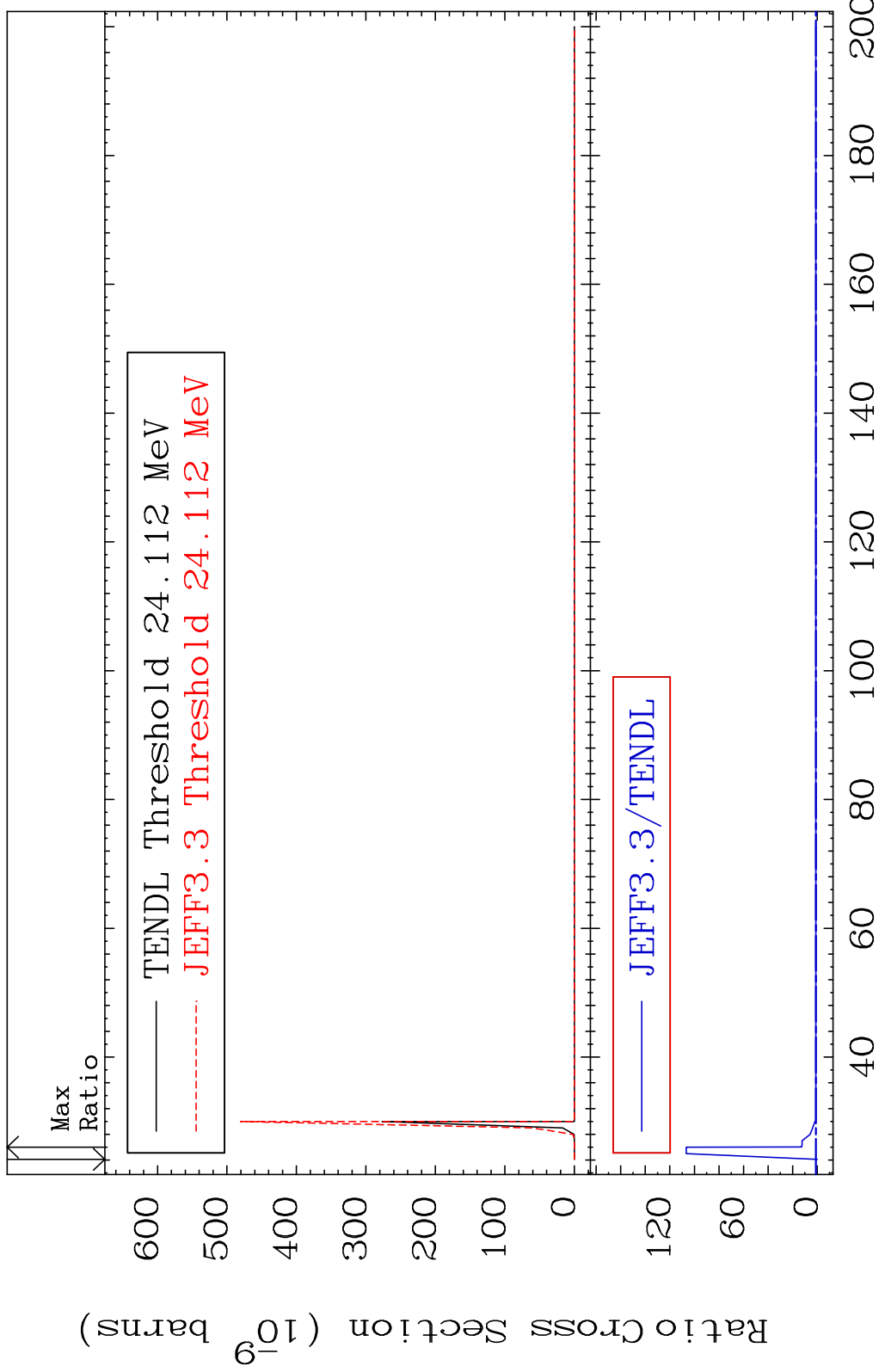
60 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,2n) d:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section to 3307. %

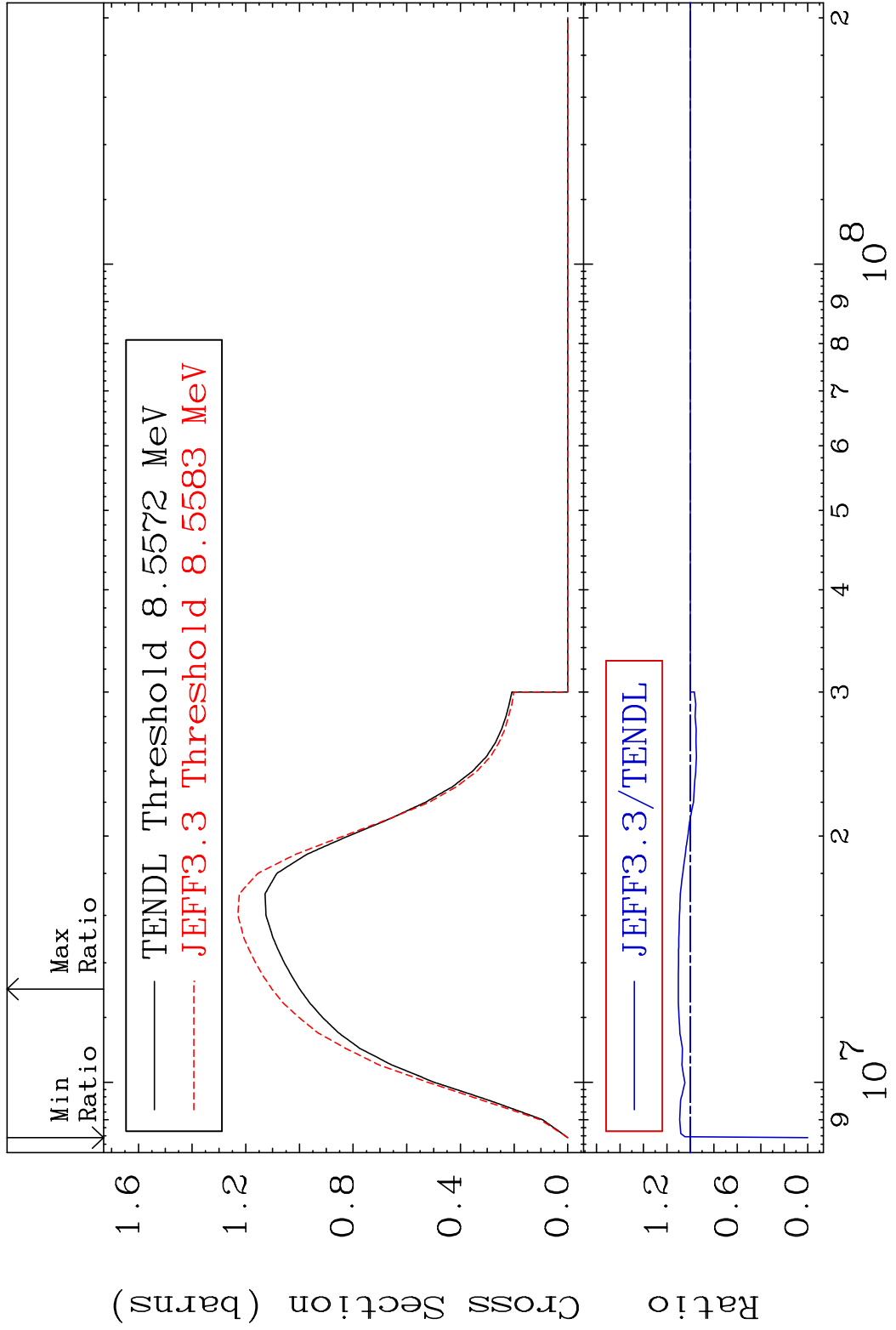


61 Incident Energy (MeV) 50-Sn-124

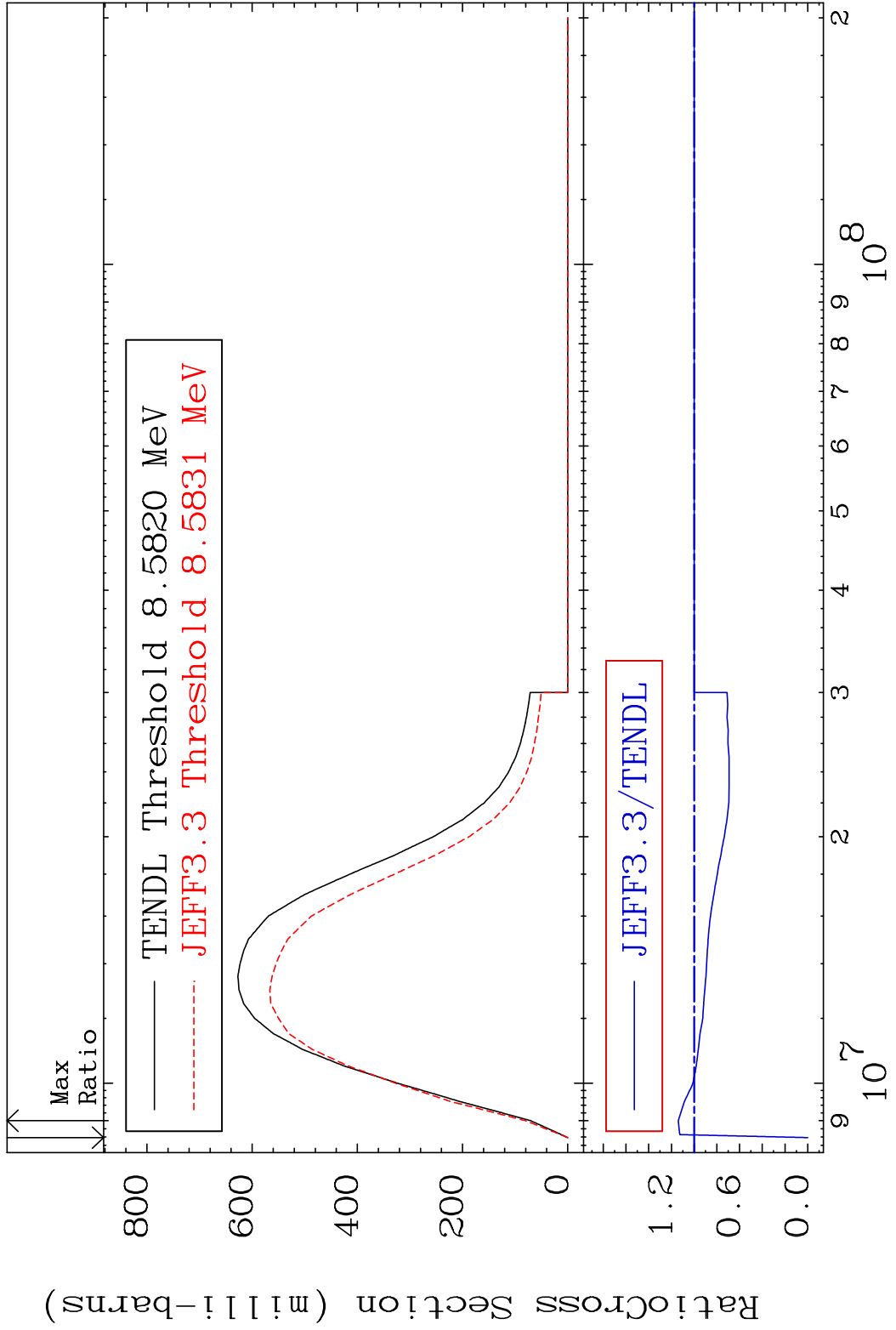
MAT 5061 (n,2n) d:49-In-121m1 50-Sn-124
 Radionuclide Production Cross Section to 9999. %



MAT 5061 (n,2n):50-Sn-123g 50-Sn-124
 Radionuclide Production Cross Section 100.00 dpo 10.33 %

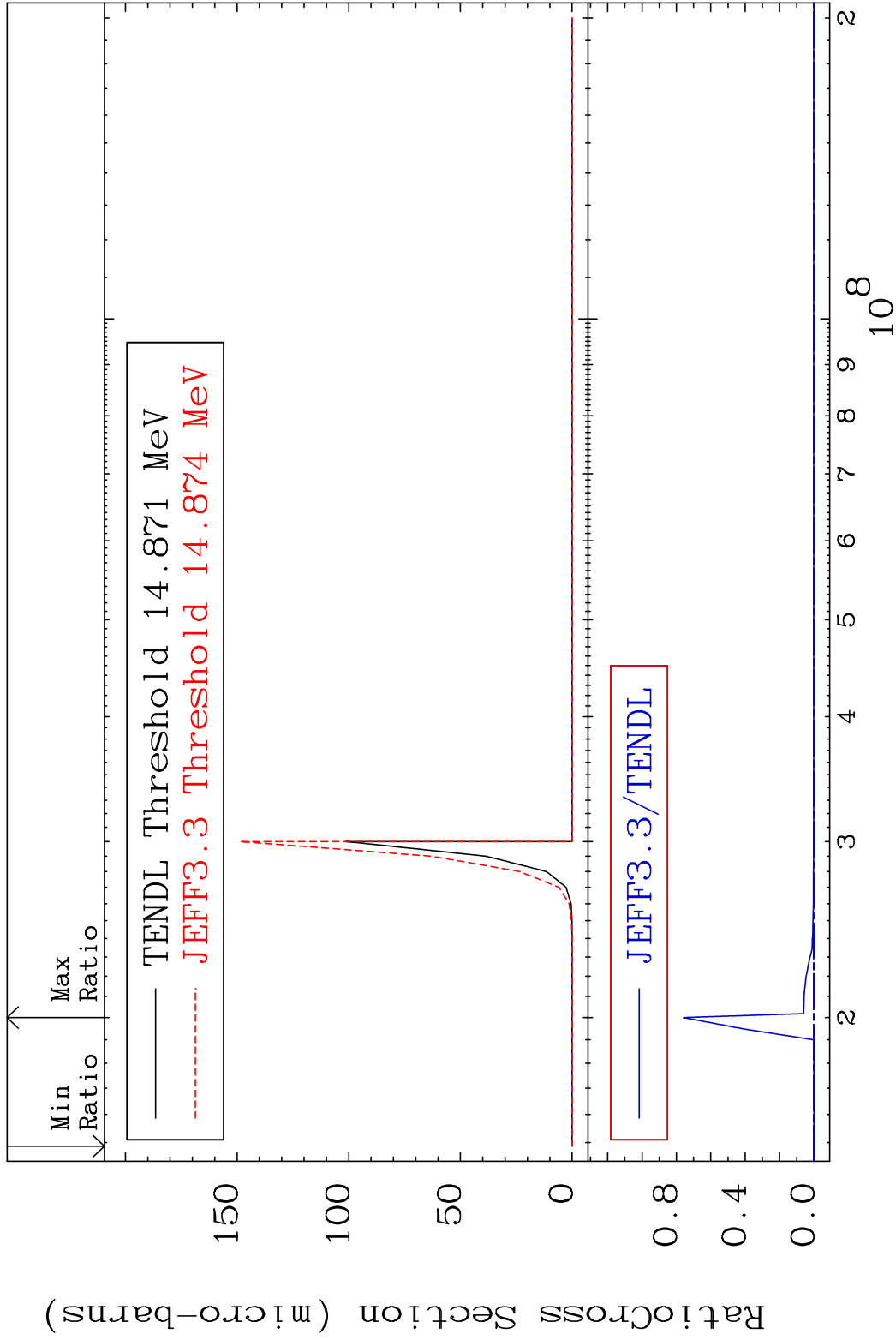


MAT 5061 (n, 2n): 50-Sn-123m1 50-Sn-124
 Radionuclide Production Cross Section 13.95 %



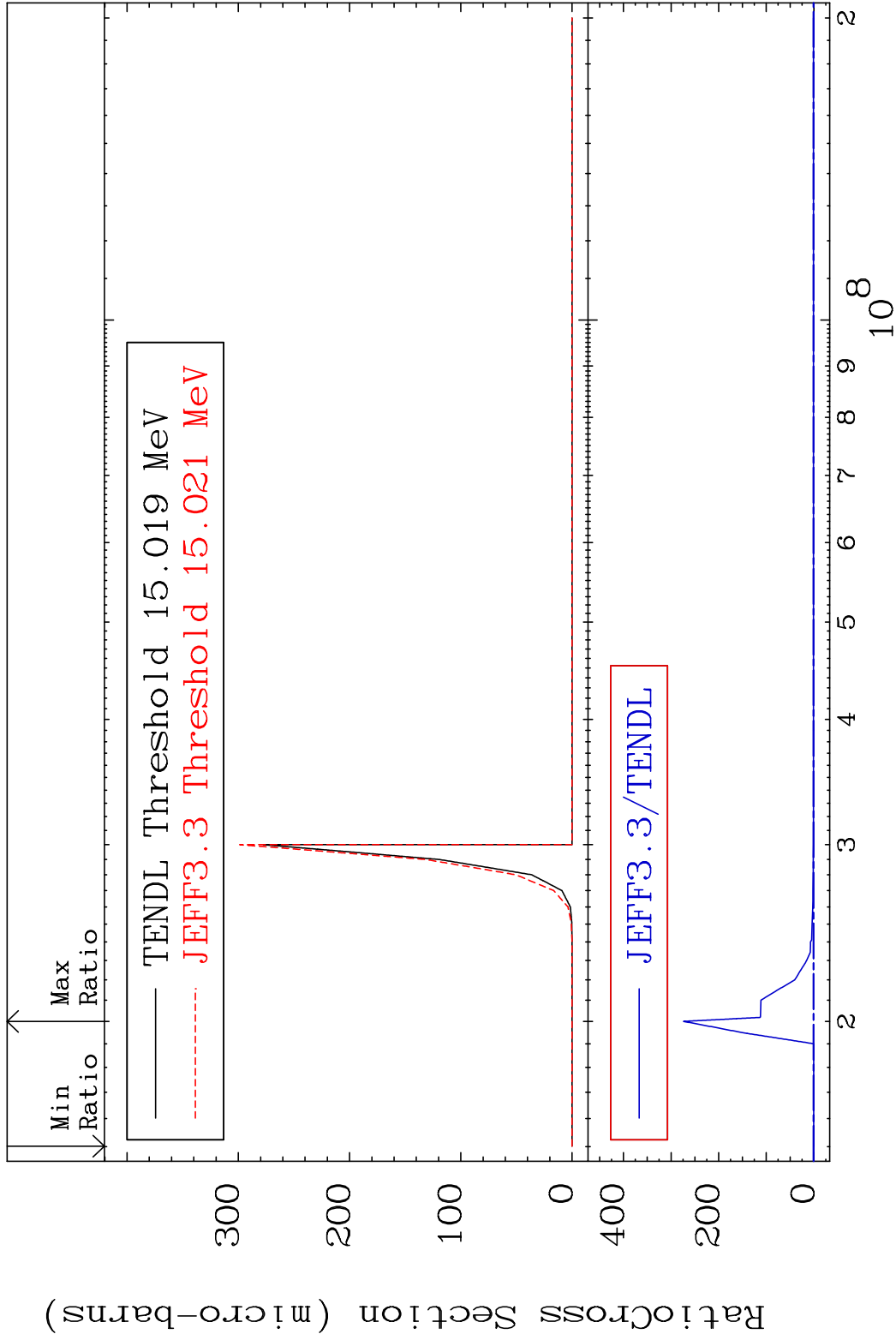
64 50-Sn-124

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

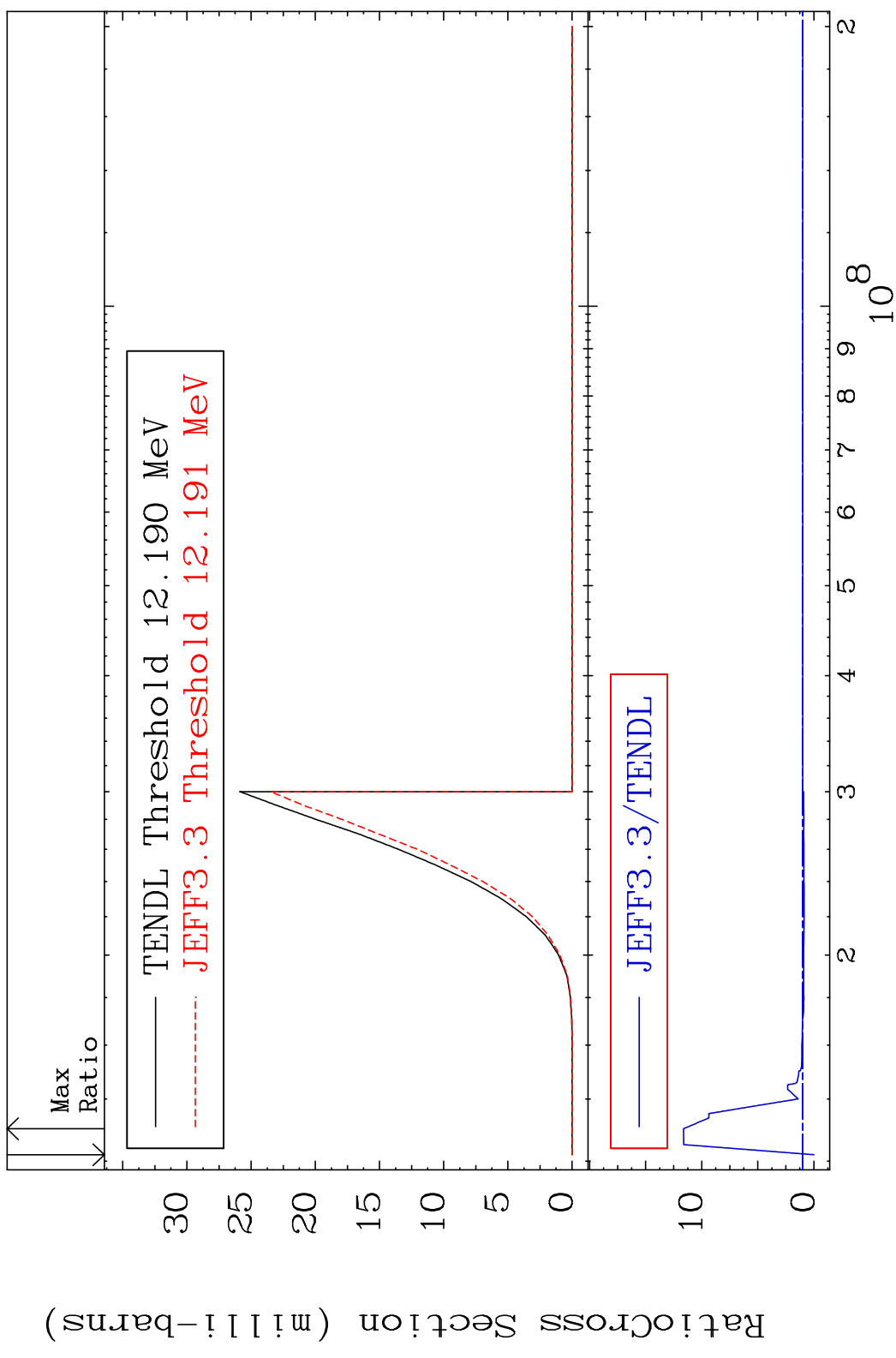


65 Incident Energy (eV) 50-Sn-124

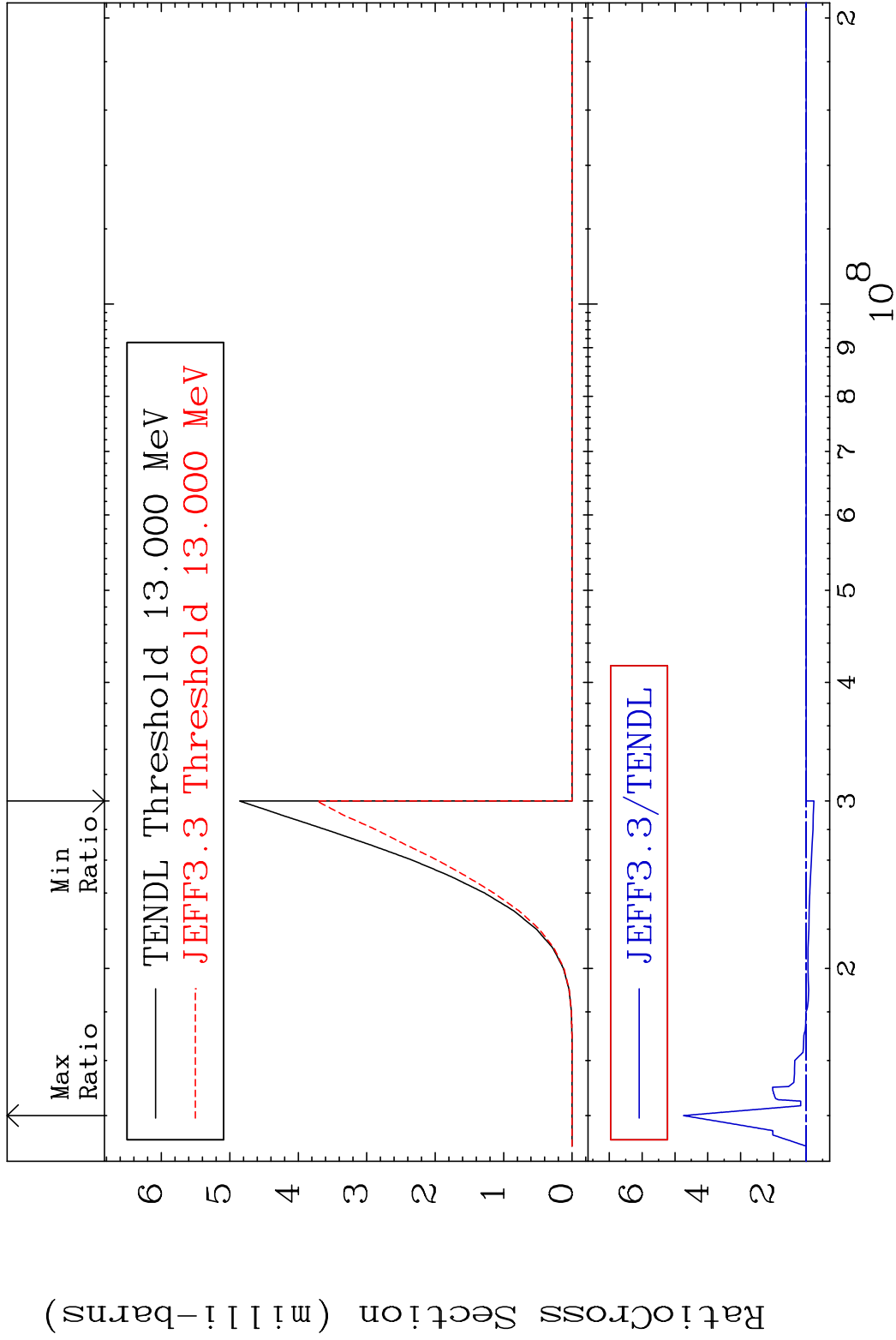
MAT 5061 (n,2n) α :48-Cd-119m2 50-Sn-124
 Radionuclide Production Cross Section 10000 to 9999. %



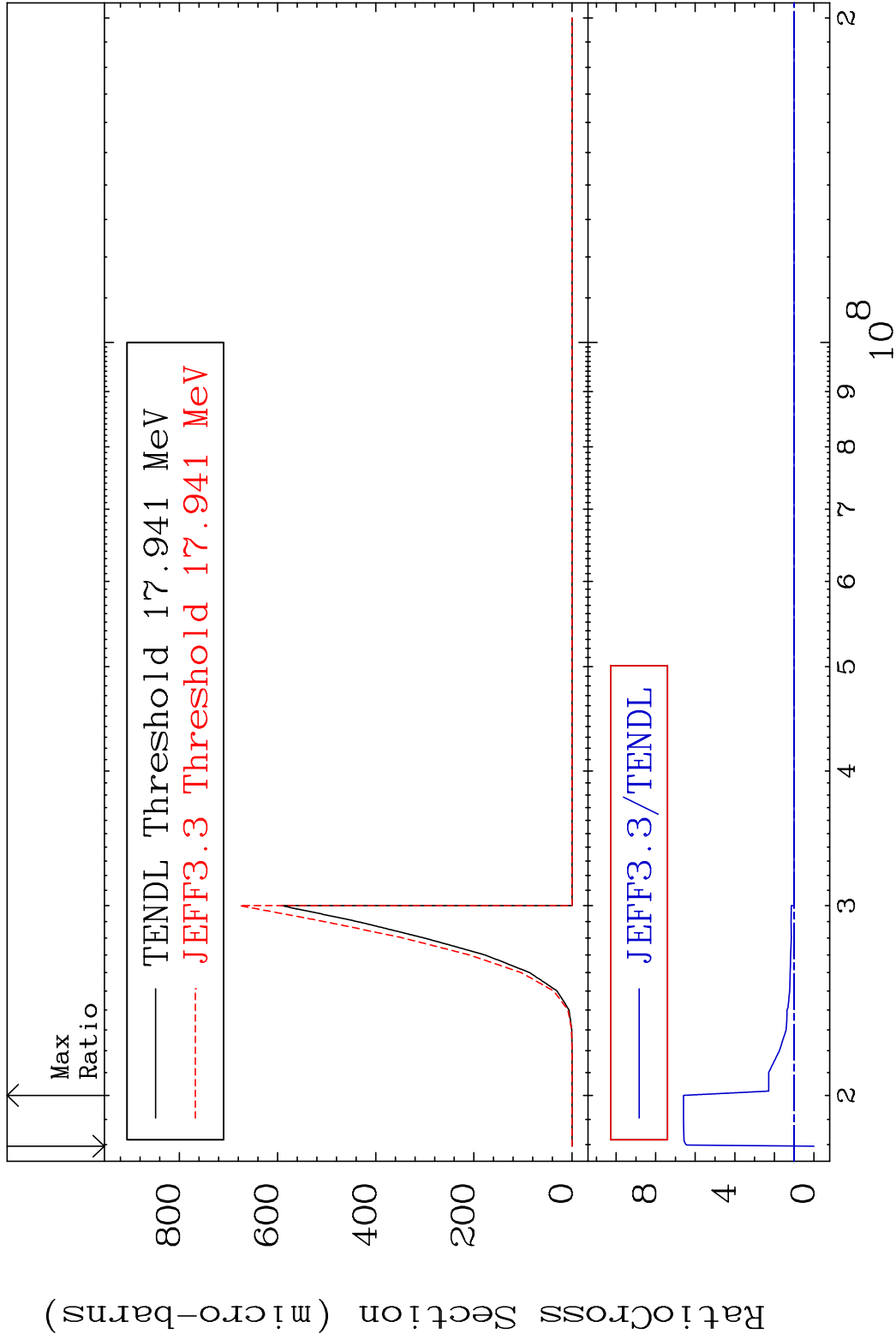
MAT 5061 (n, n') p:49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 100.00 dtd 1063. %



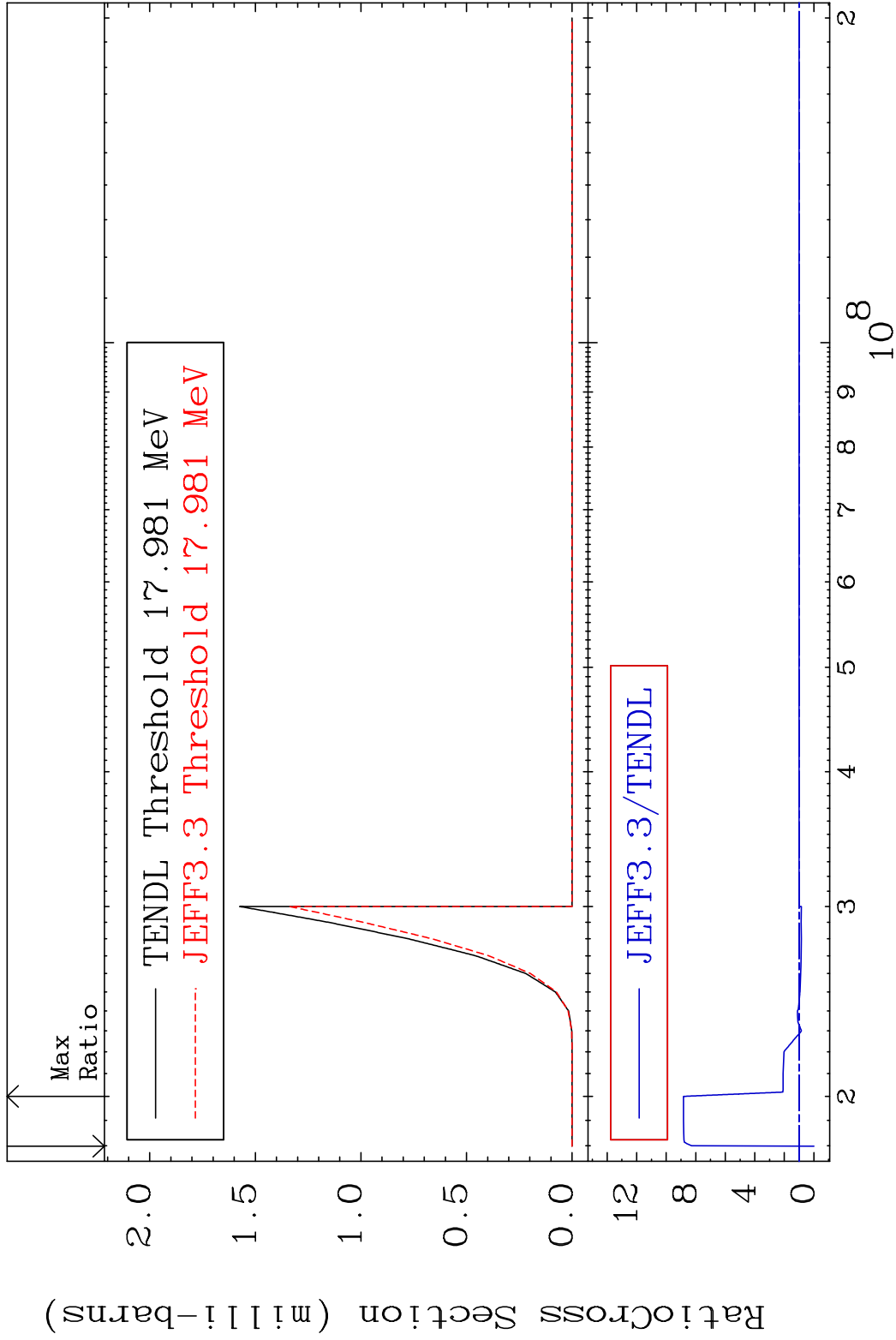
67 50-Sn-124



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

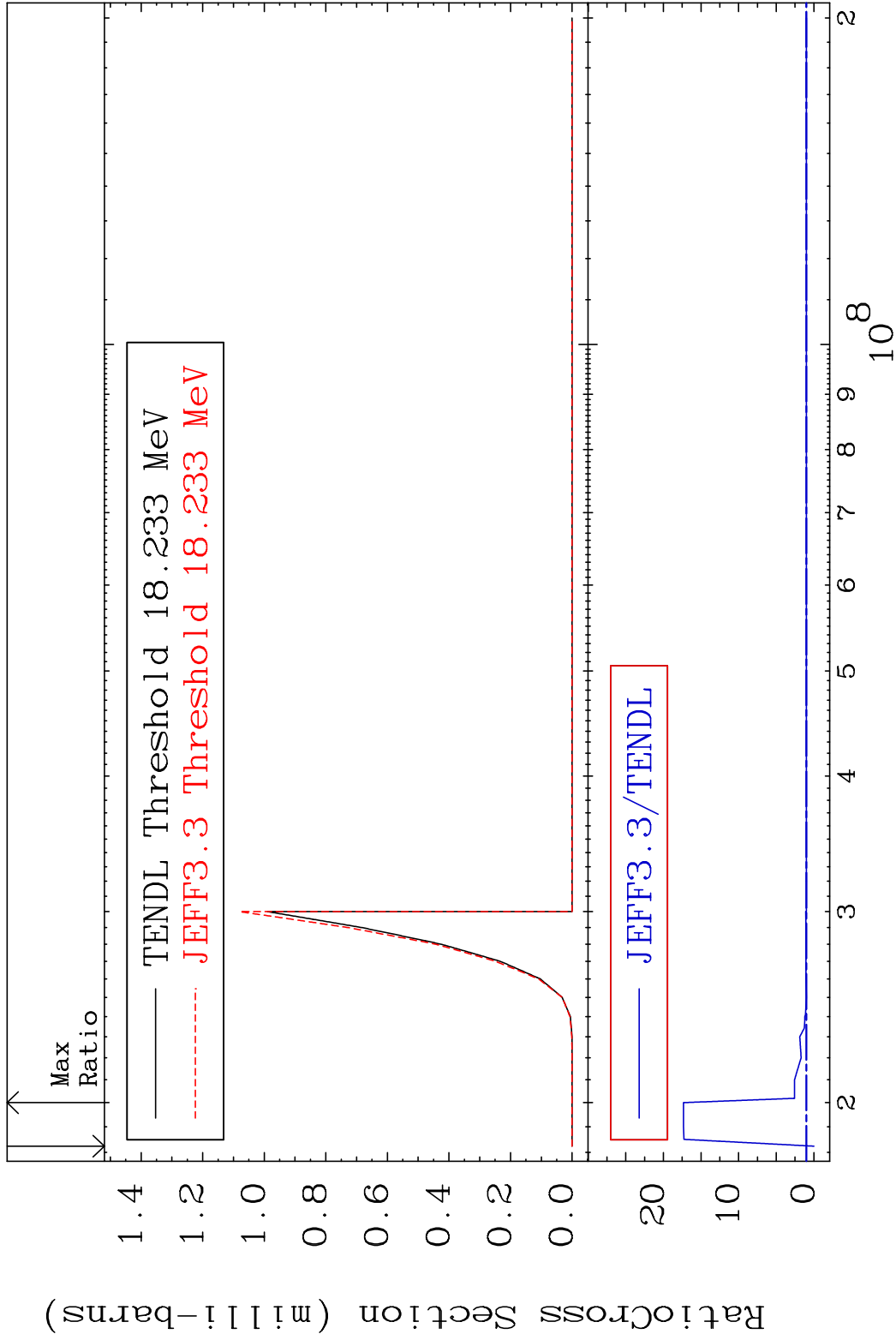


MAT 5061 (n, n') d:49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section 180000 d10 783.1 %

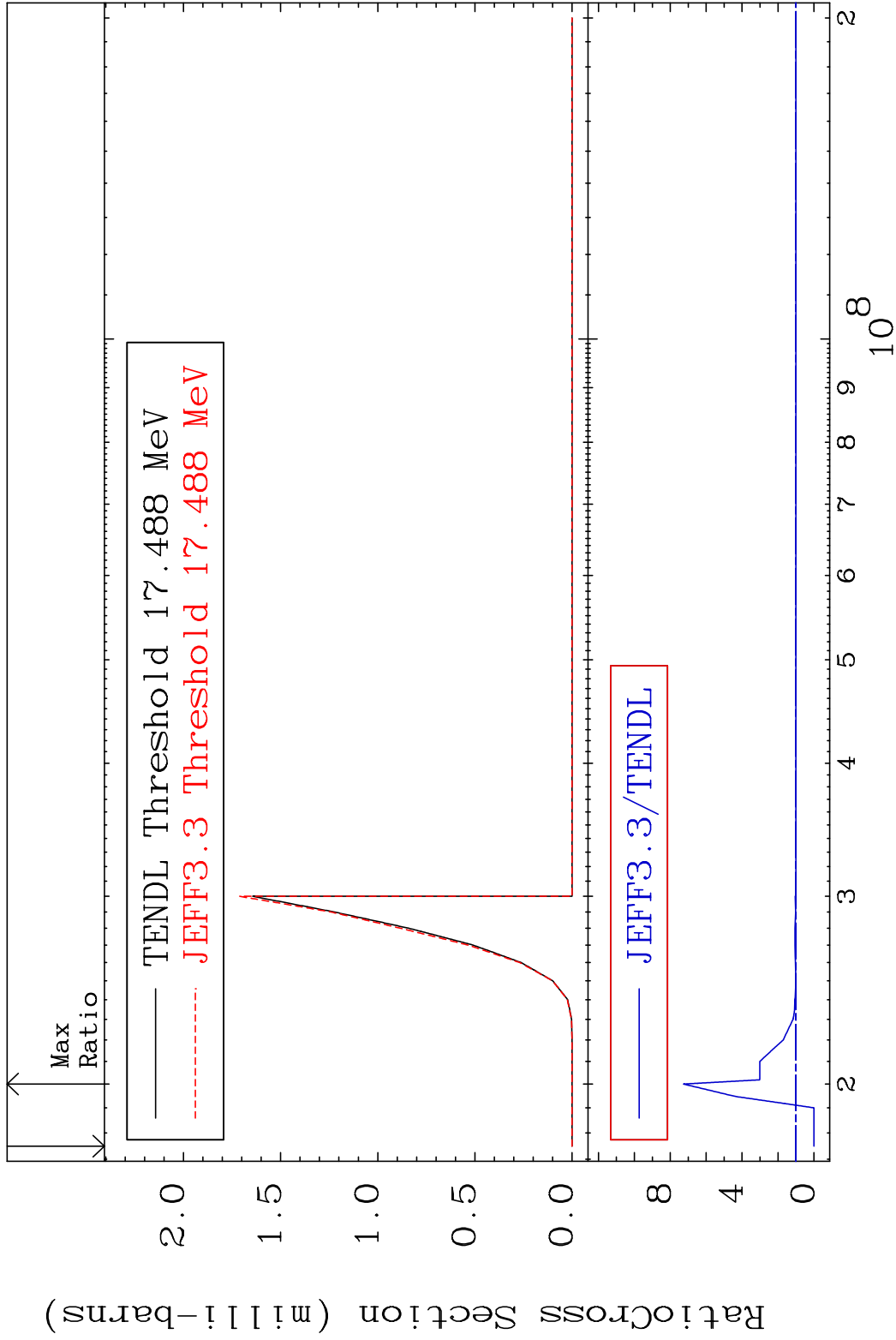


70 Incident Energy (eV) 50-Sn-124

MAT 5061 (n, n') d:49-In-122m5 50-Sn-124
 Radionuclide Production Cross Section 18.233 MeV 1634. %

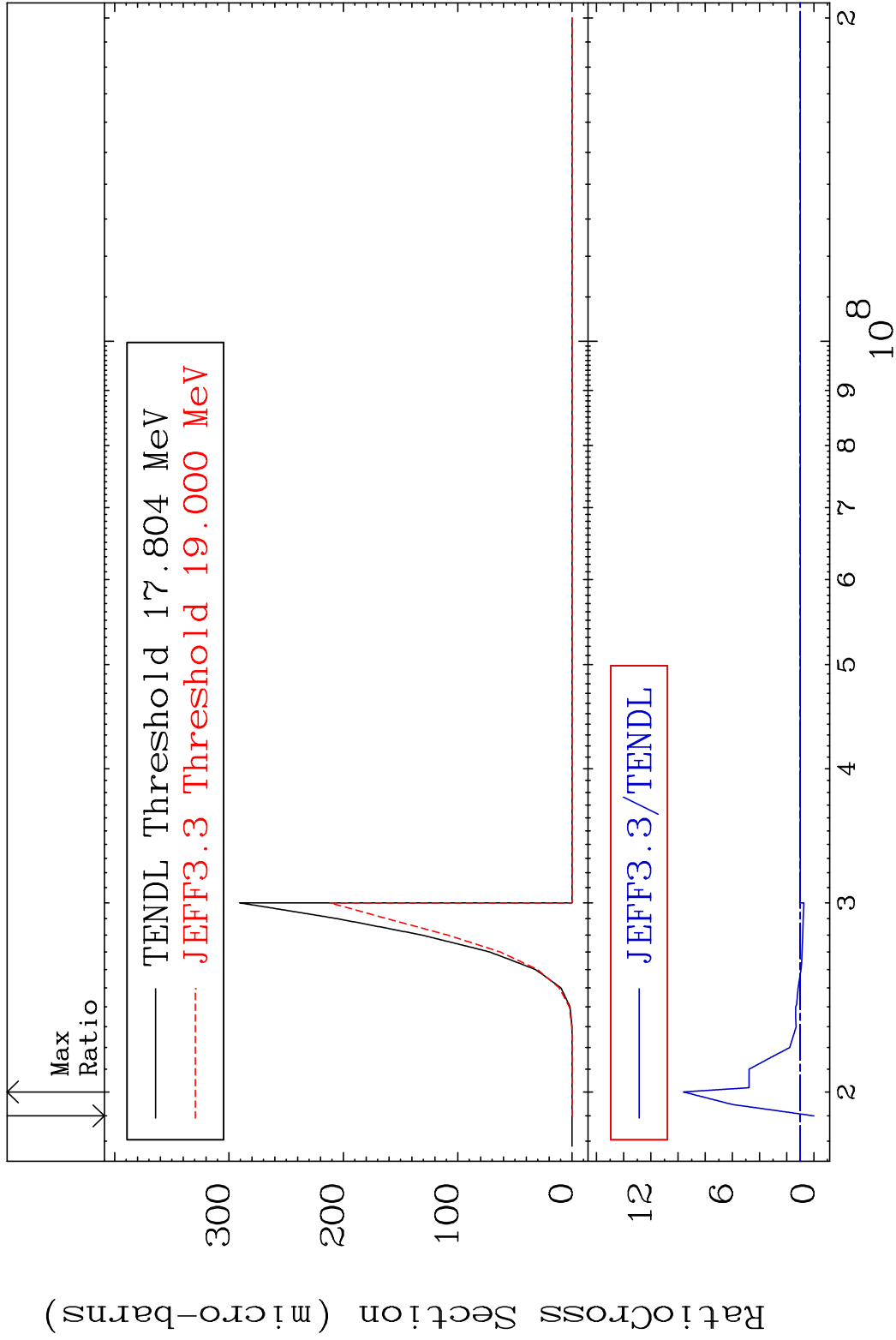


MAT 5061 (n, n') t:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 626.5 %



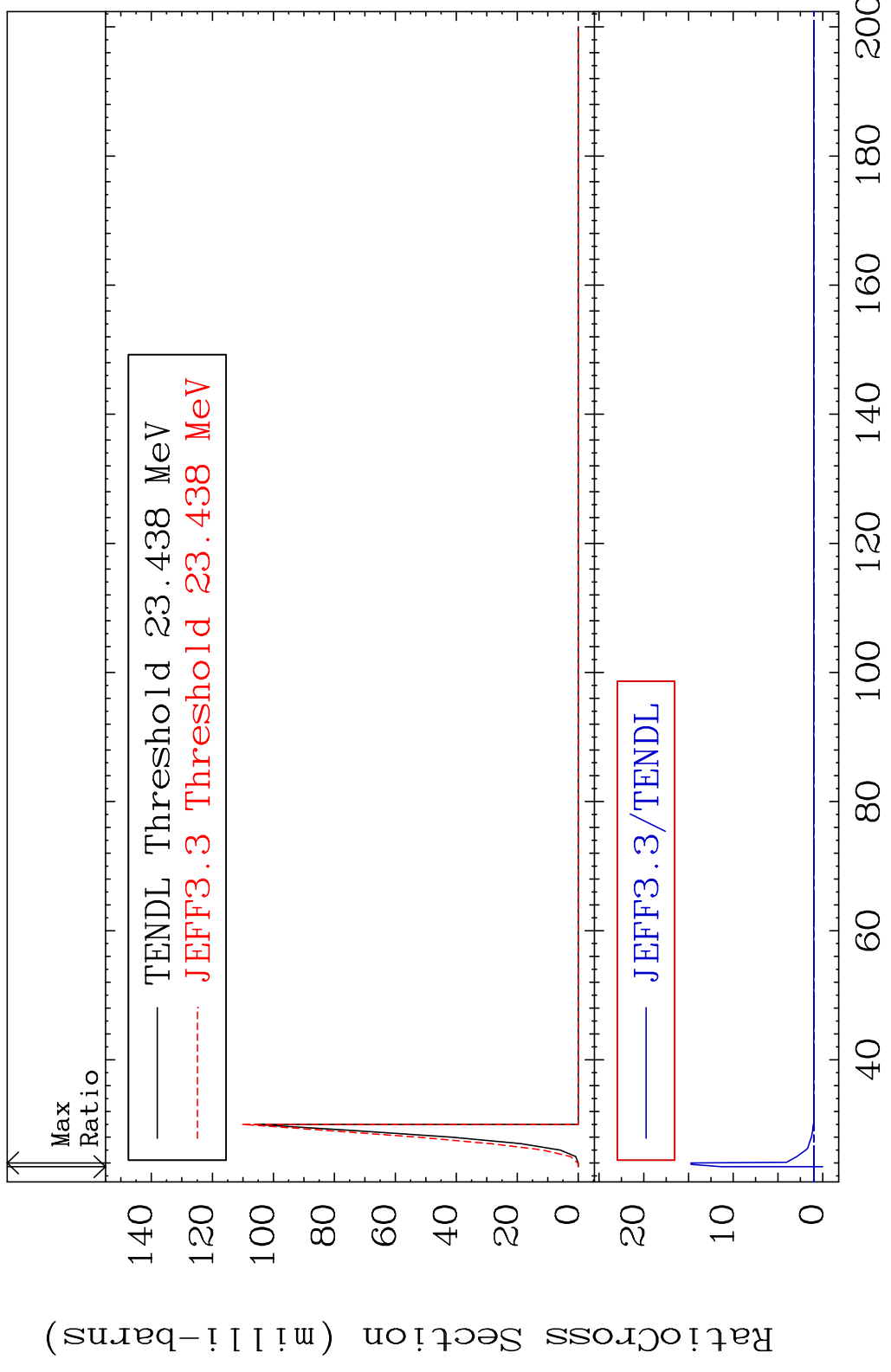
72 Incident Energy (eV) 50-Sn-124

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



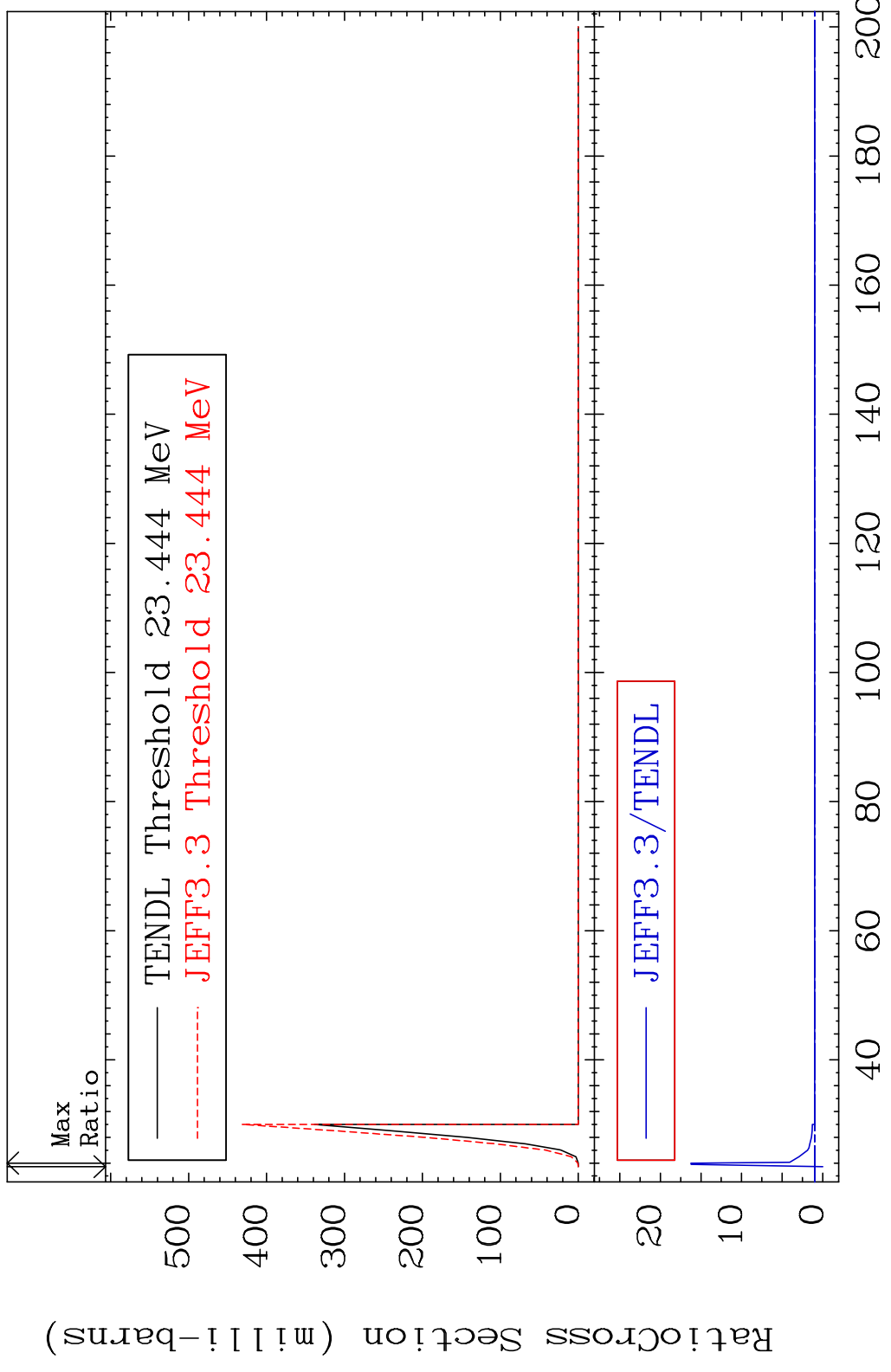
73 50-Sn-124

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



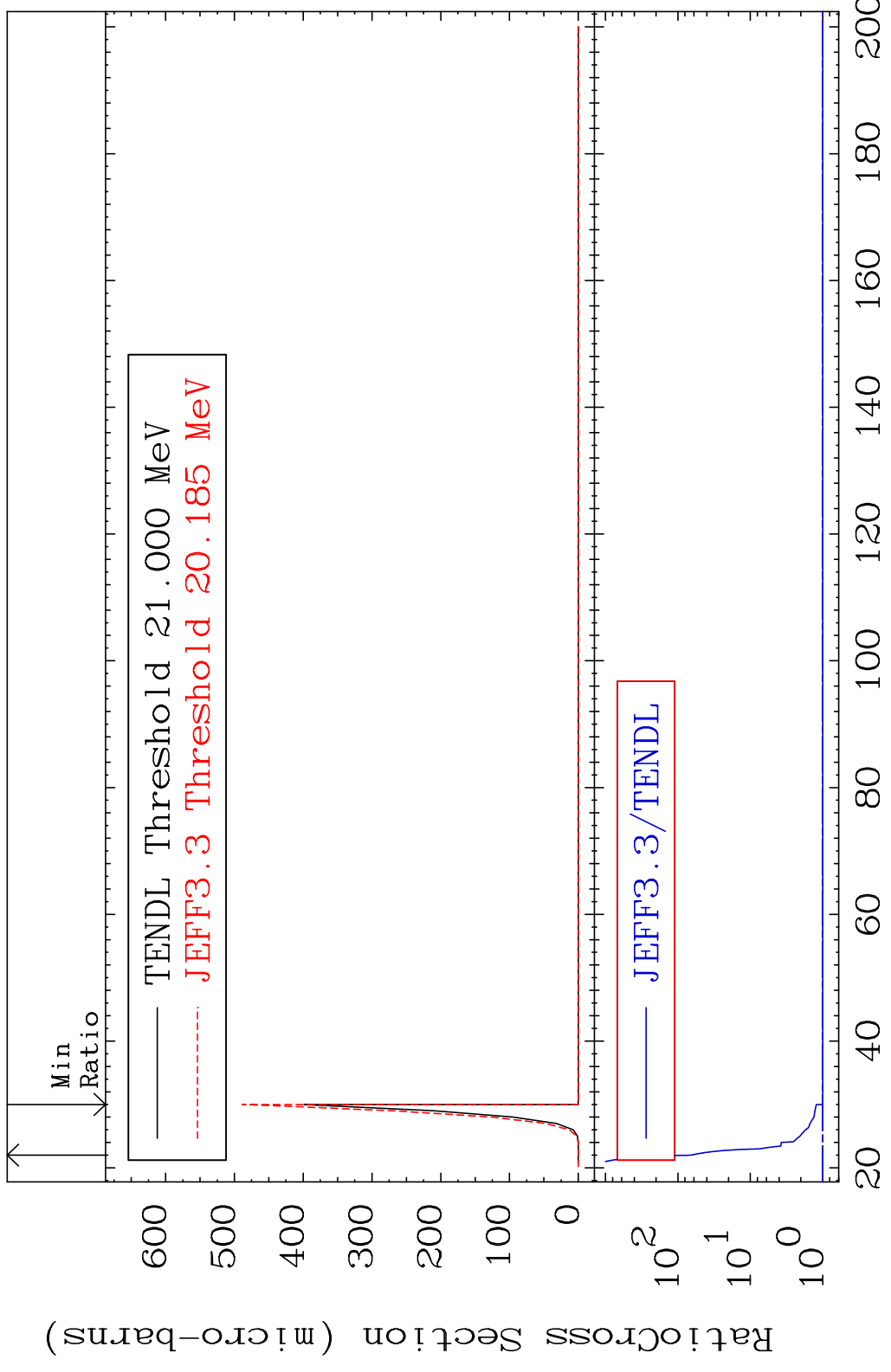
74 50-Sn-124

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



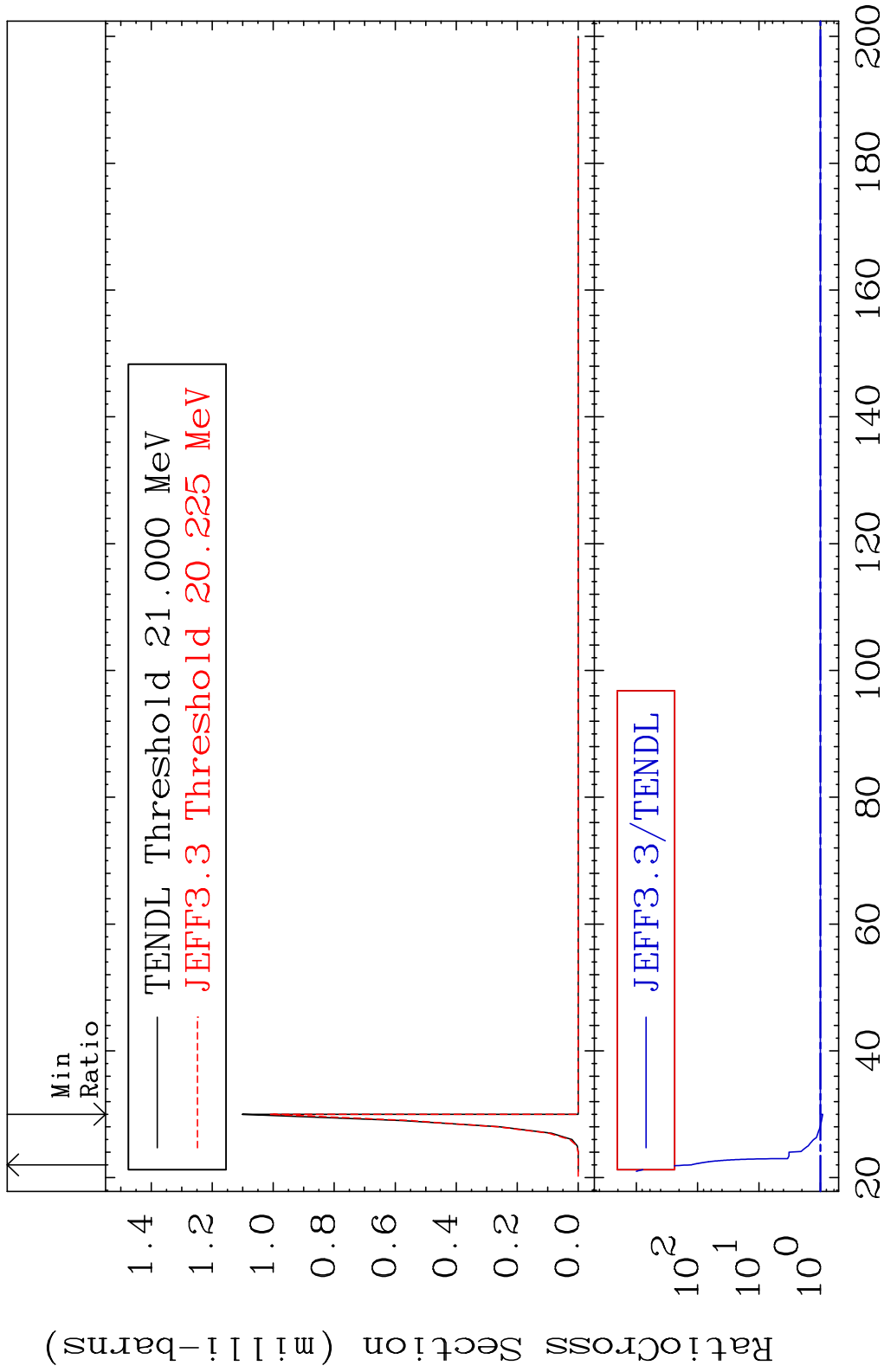
75 Incident Energy (MeV) 50-Sn-124

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

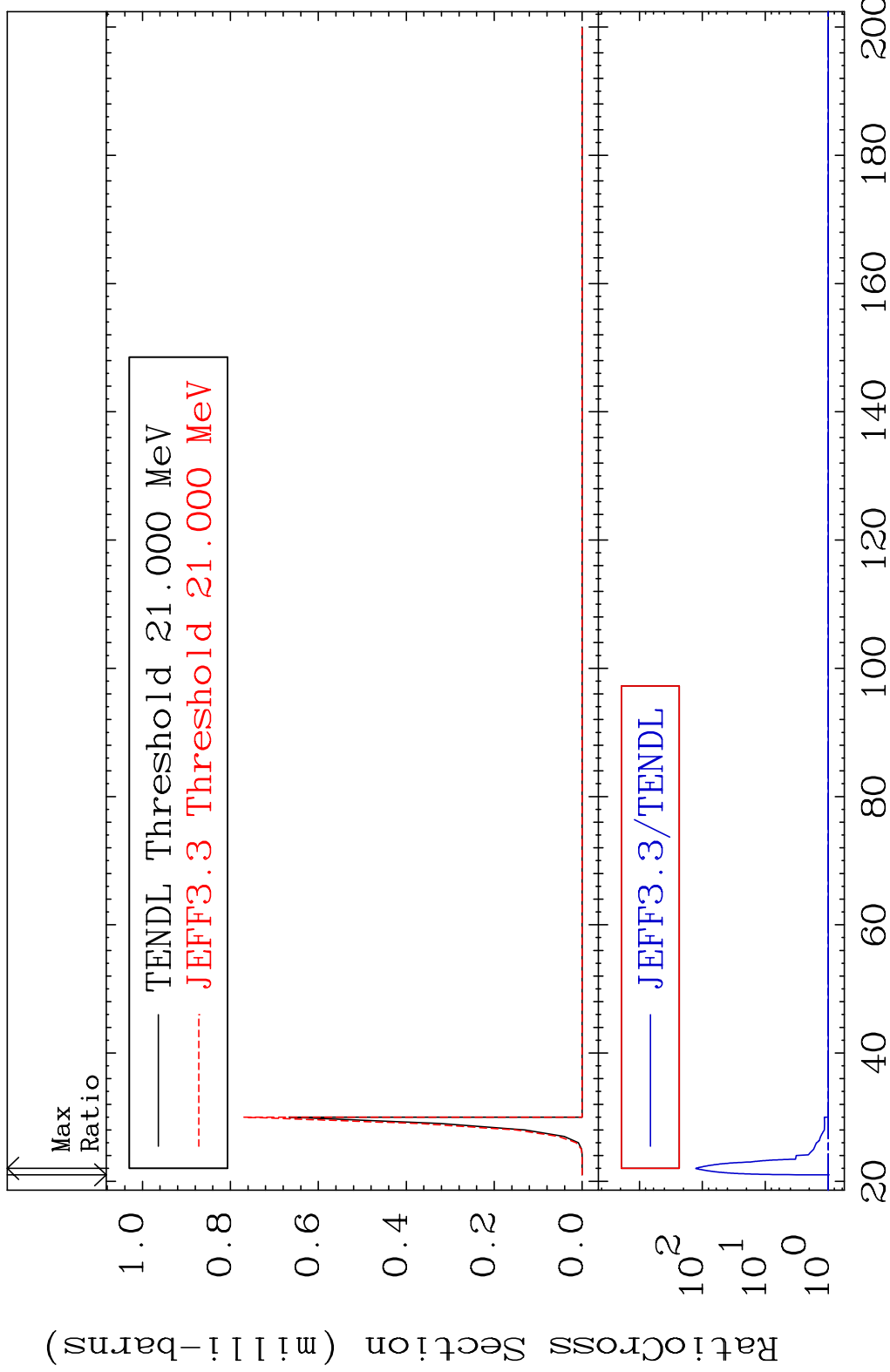


76 Incident Energy (MeV) 50-Sn-124

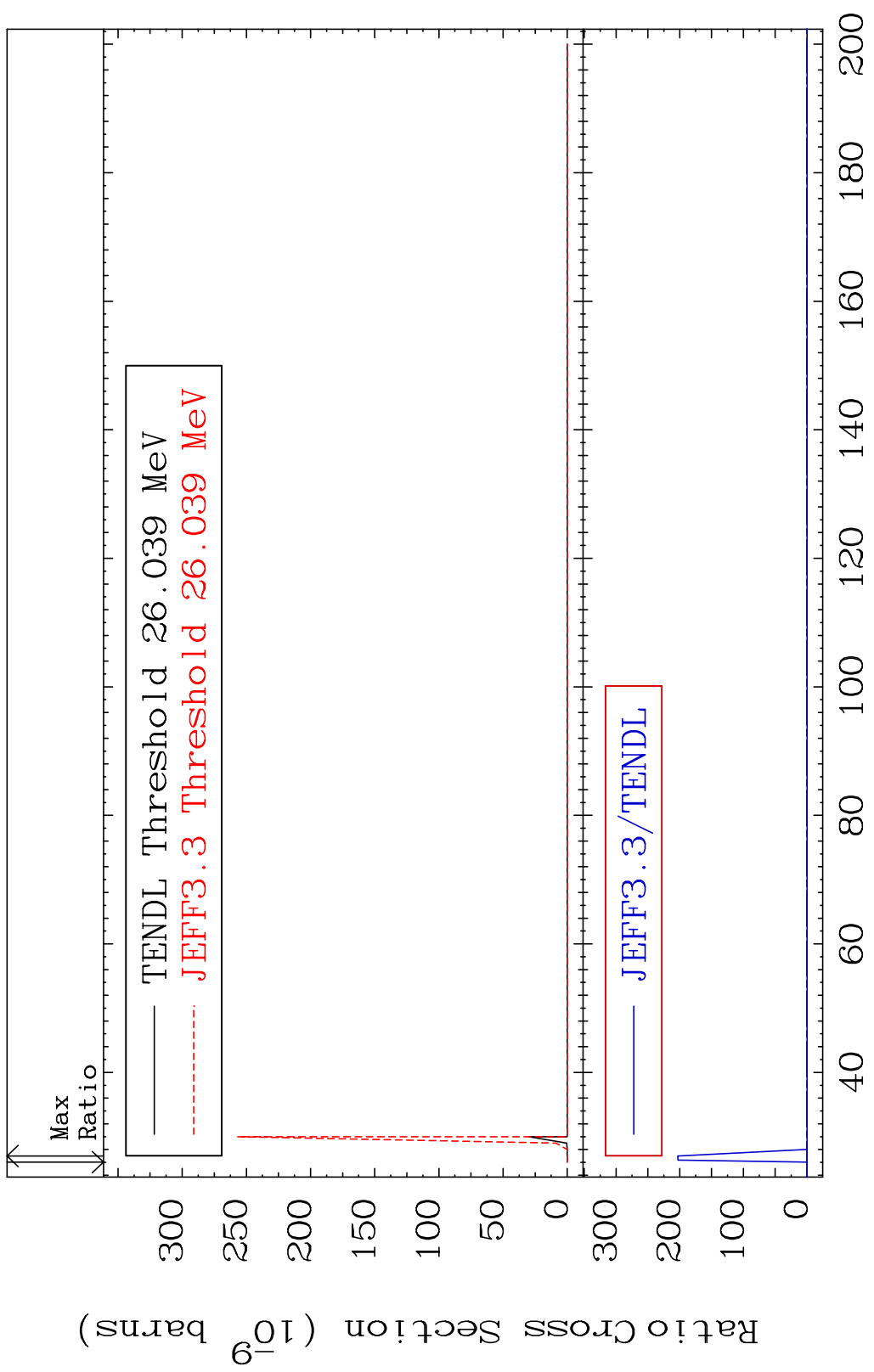
MAT 5061 (n,2n) p:49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section to 9999. %



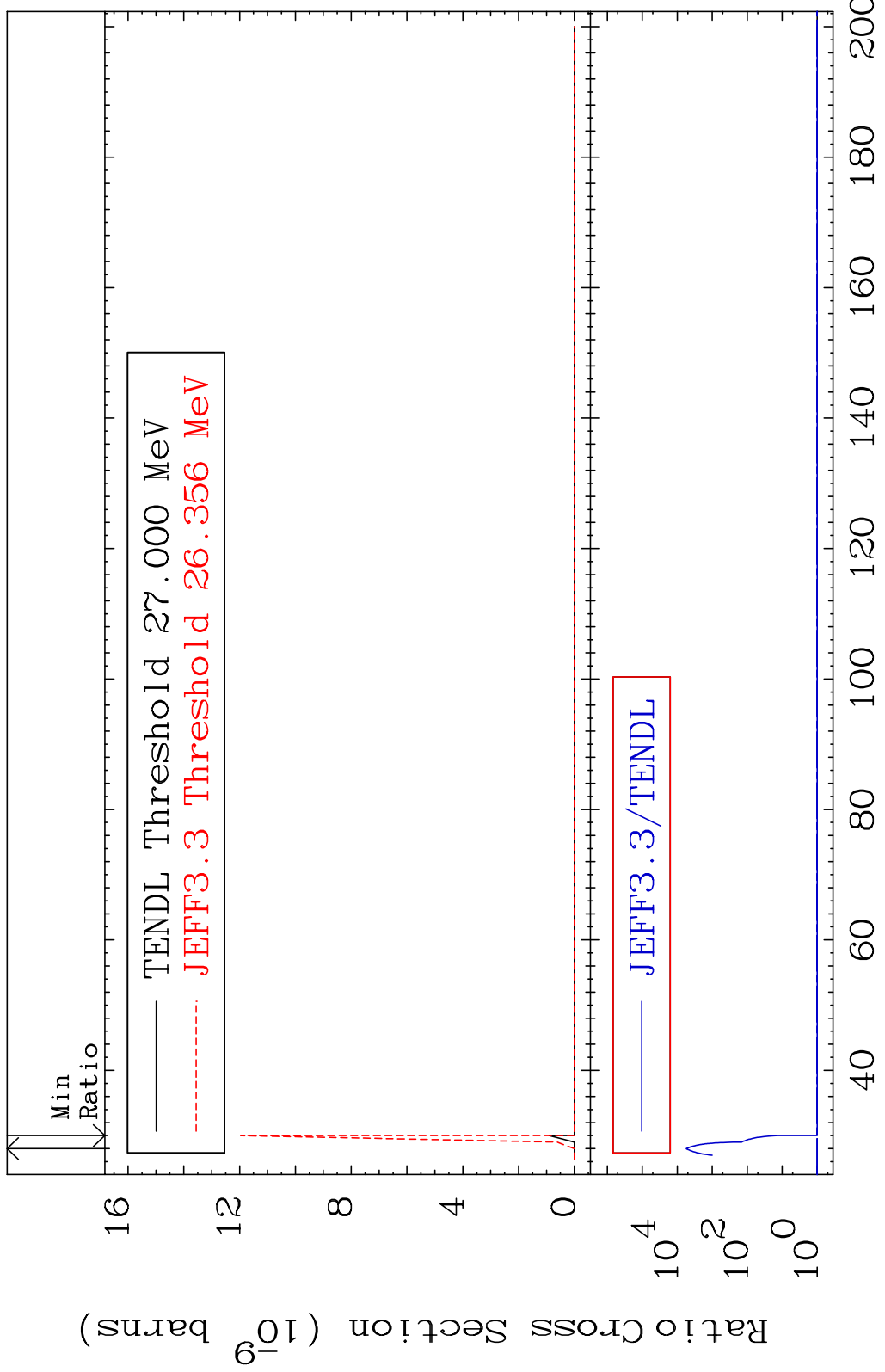
77 Incident Energy (MeV) 50-Sn-124



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

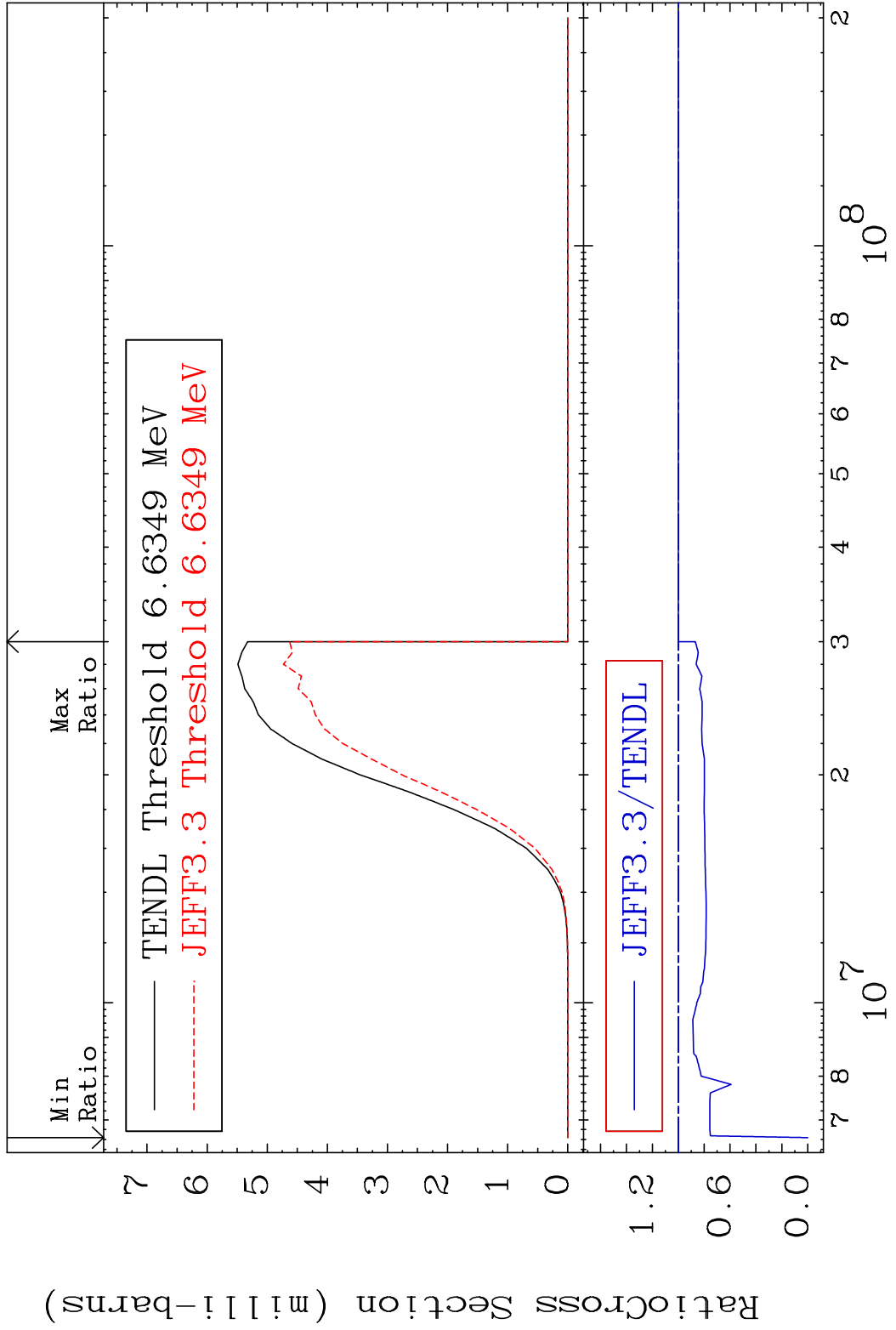


MAT 5061 (n,3n) p:49-In-121m1 50-Sn-124
 Radionuclide Production Cross Section 9999. %

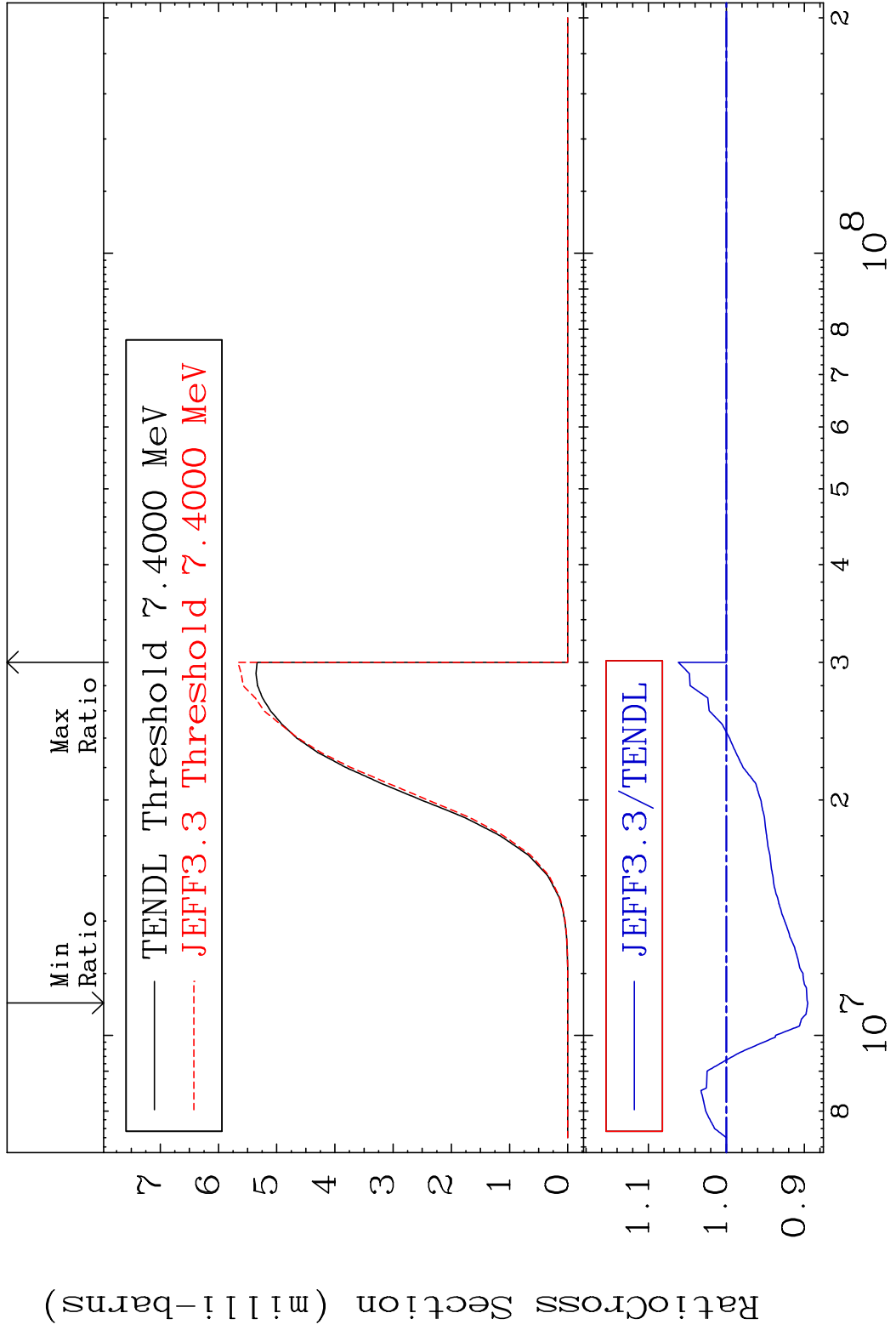


80 Incident Energy (MeV) 50-Sn-124

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

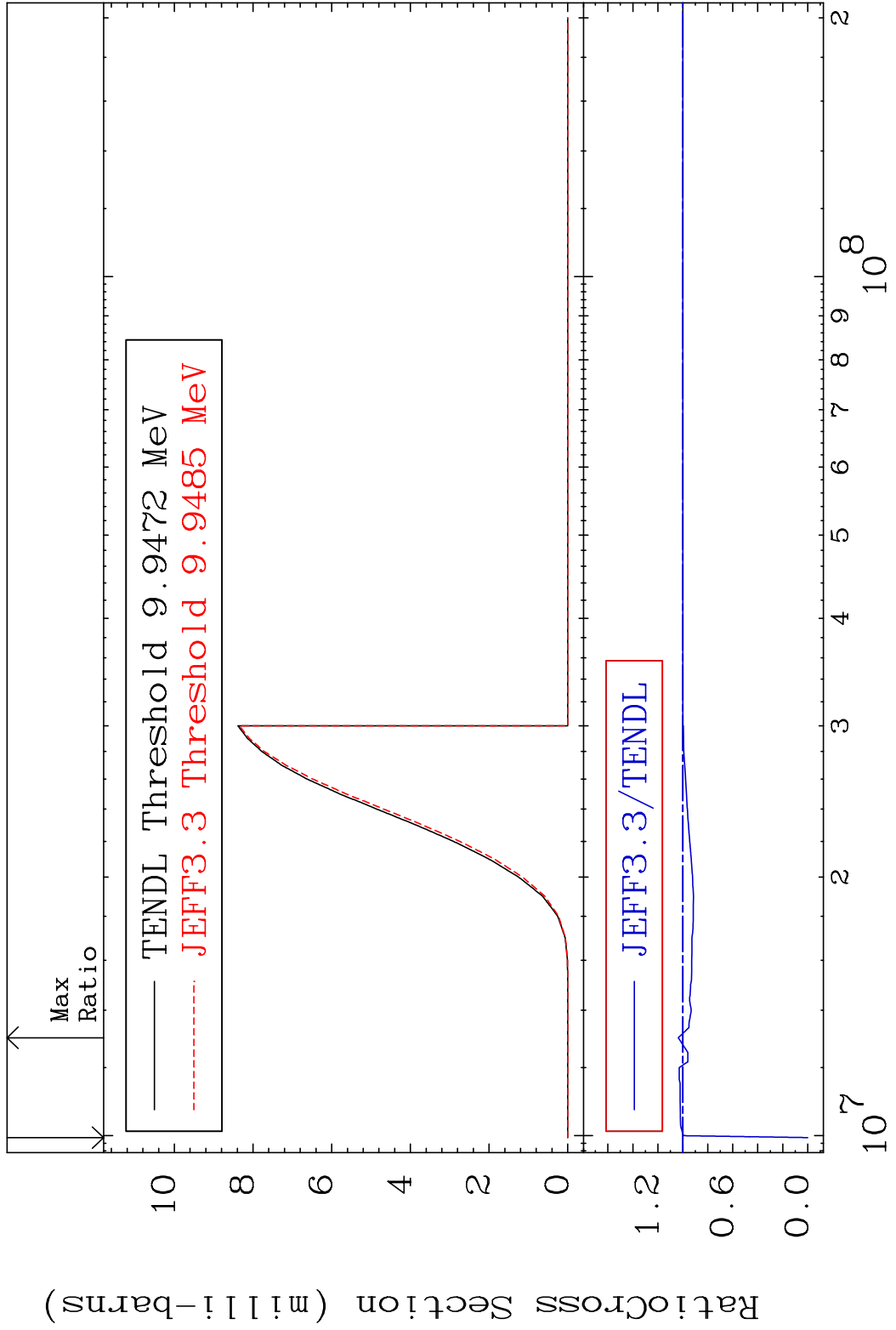


MAT 5061 (n, p) : 49-In-124m2 50-Sn-124
 Radionuclide Production Cross Section 1864310 6.169 %

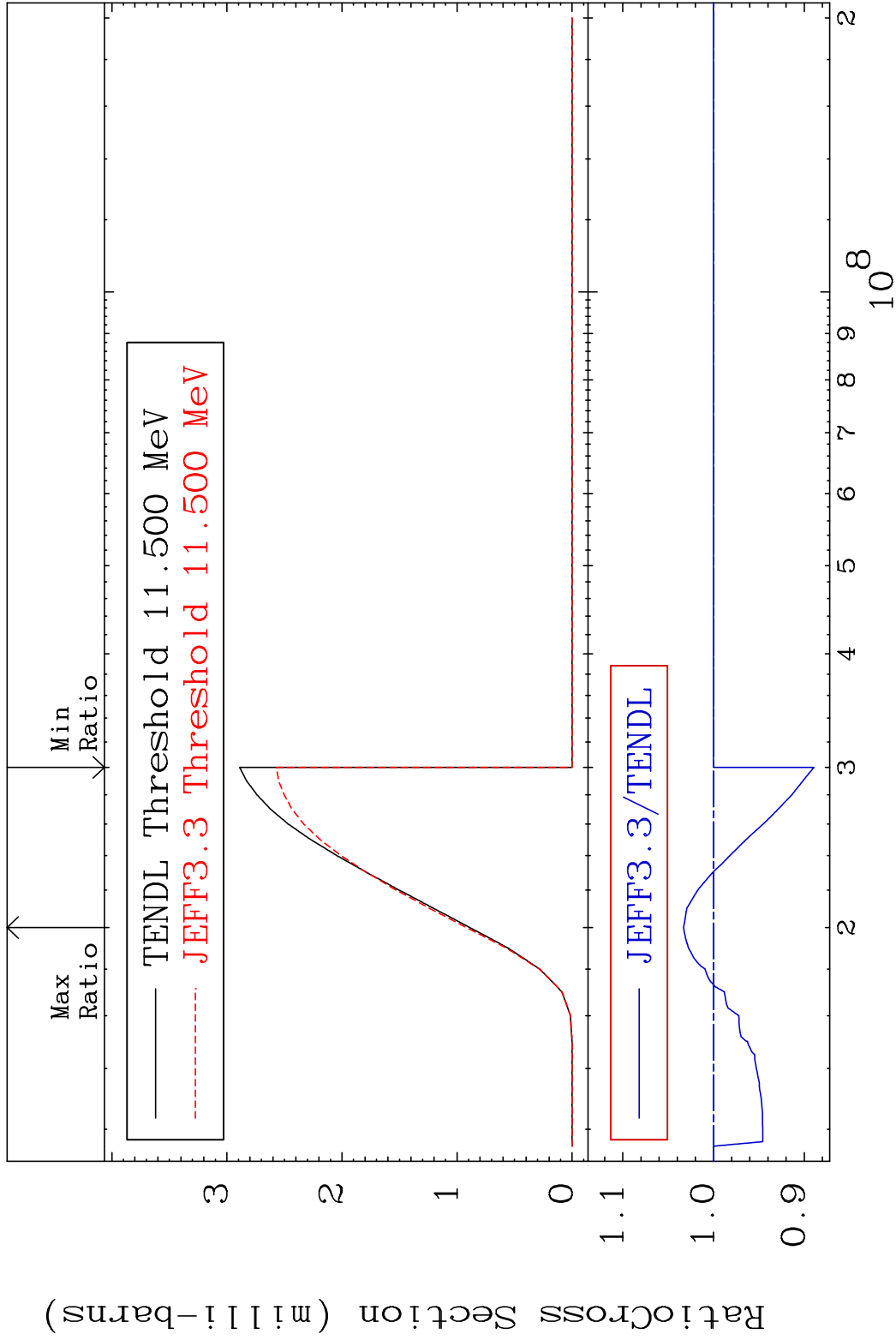


82 Incident Energy (eV) 50-Sn-124

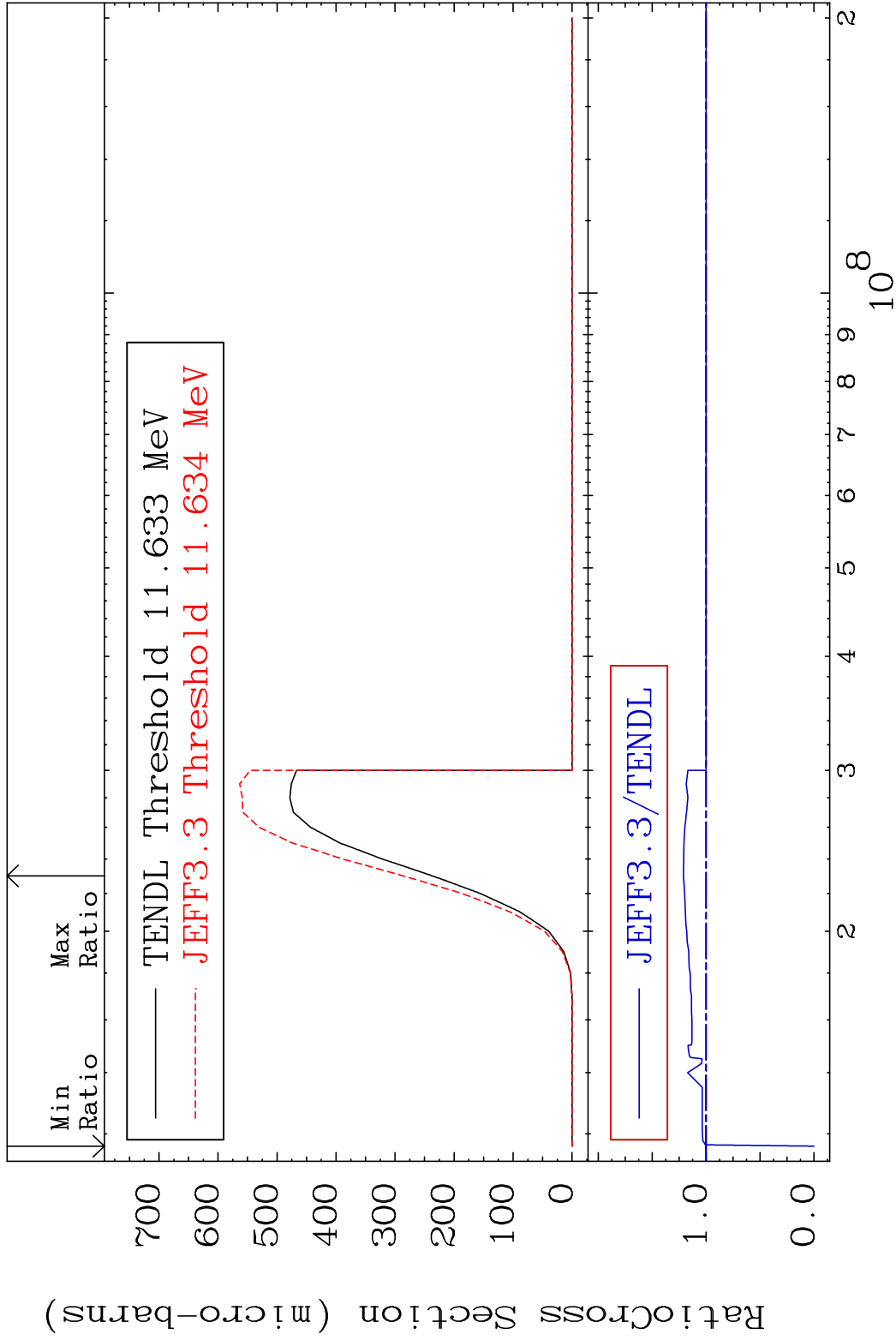
MAT 5061 (n,d):49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 3.638 %



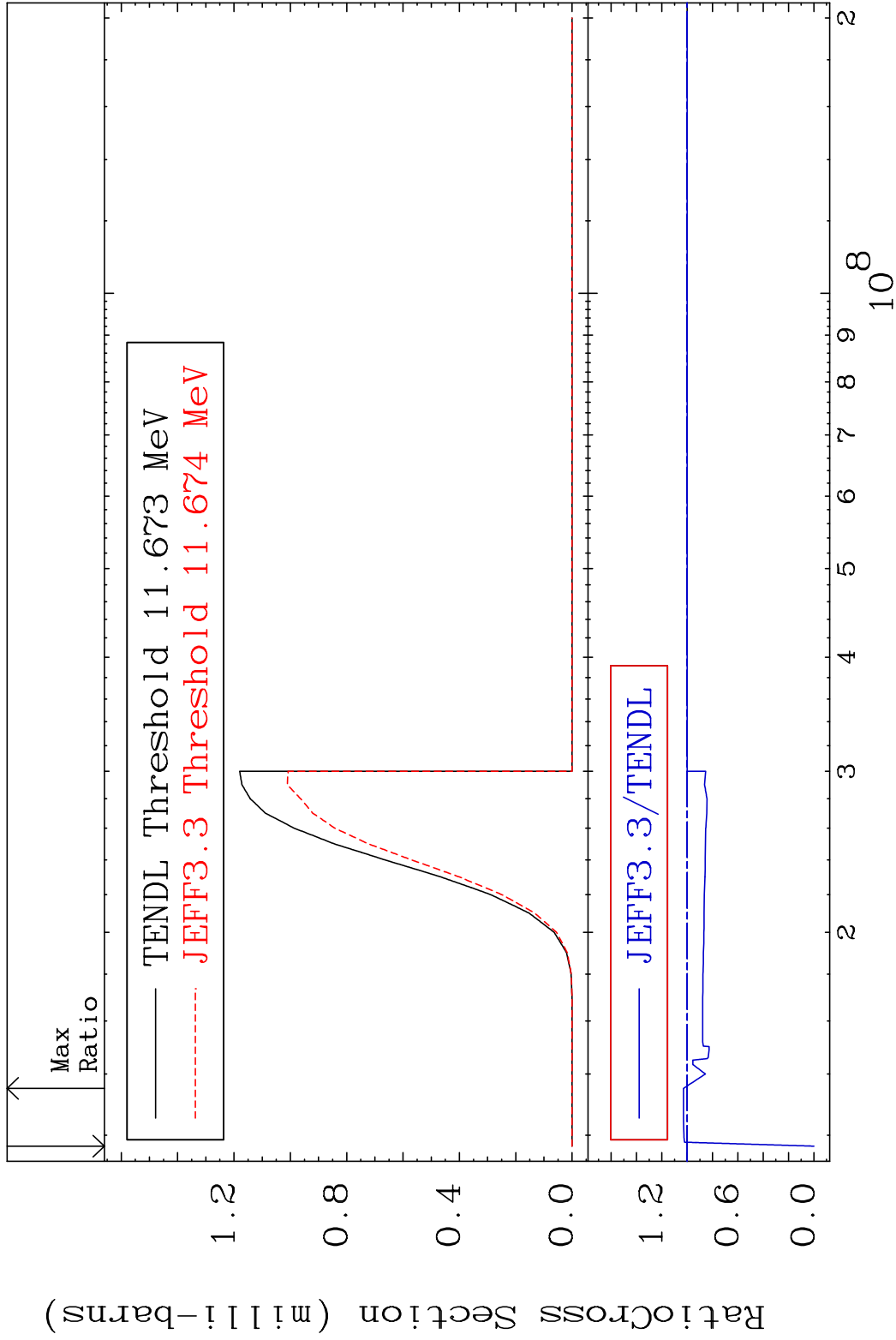
MAT 5061 (n, d): 49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section 3.314 %



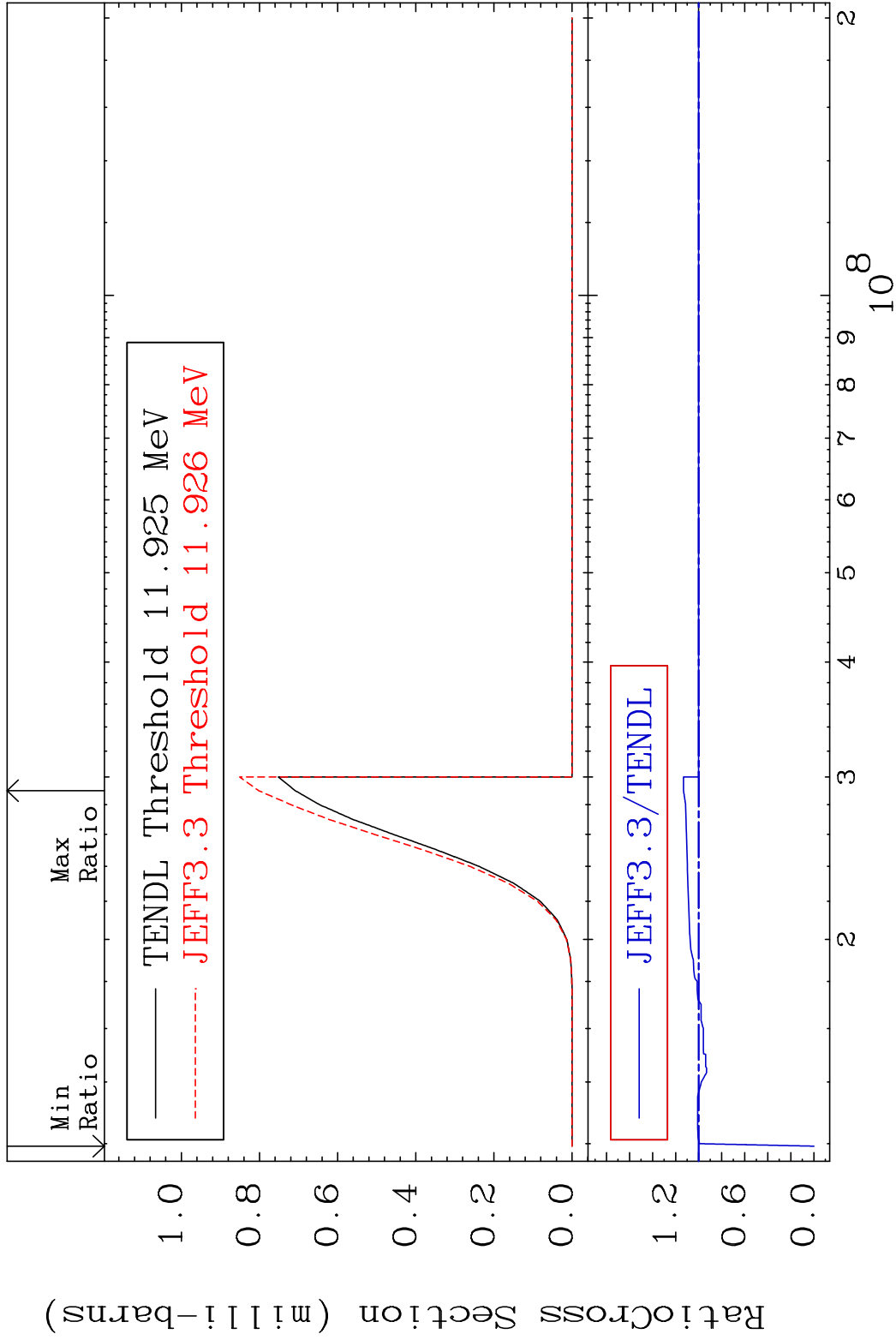
MAT 5061 (n,t):49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 180000 dpo 20.94 %



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. %

