

Program Complot  
(Version 2021-1)

by

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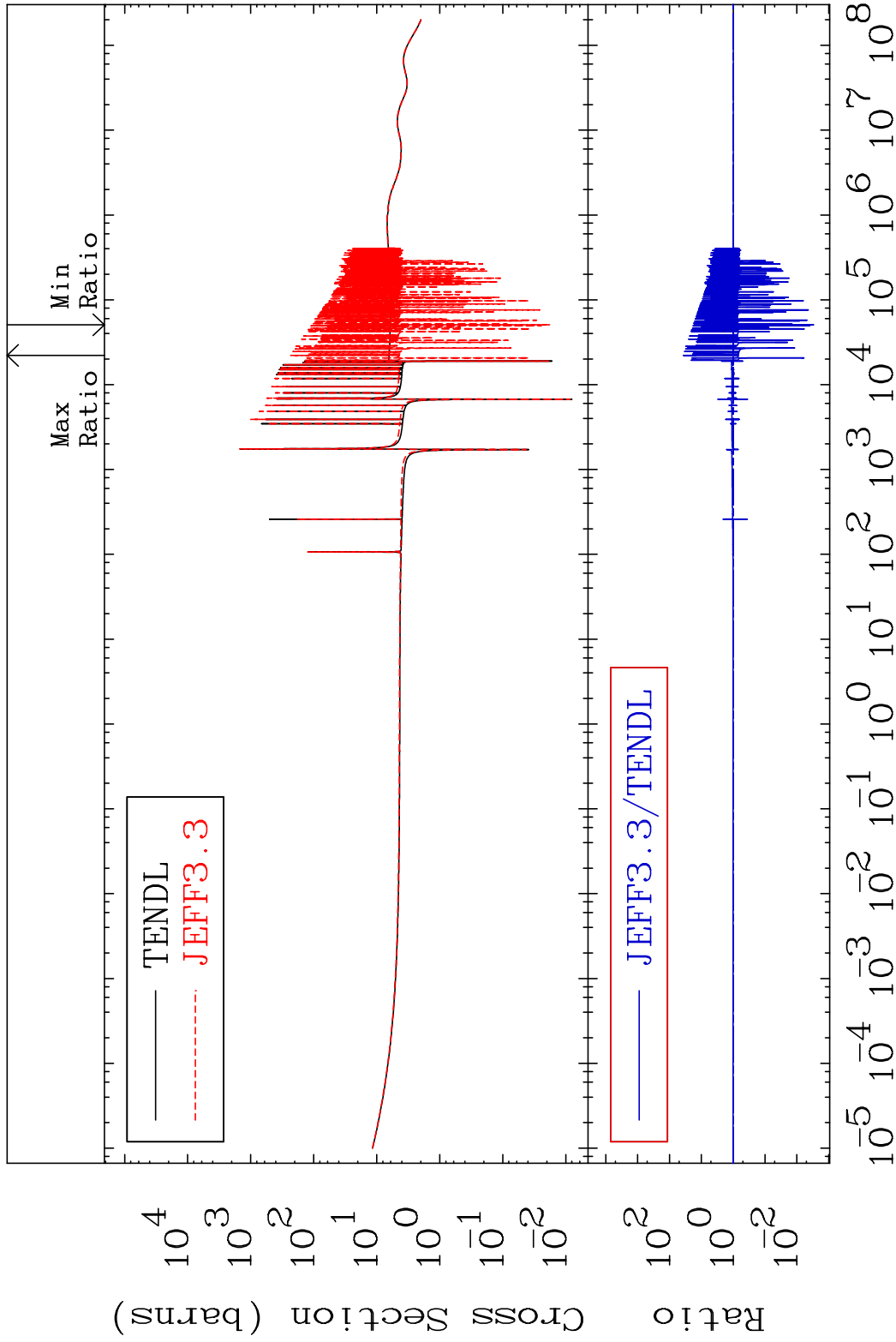
Press Mouse Button to Start

MAT 5055

Total

50-Sn-122

Cross Section -99.71 To 3548. %

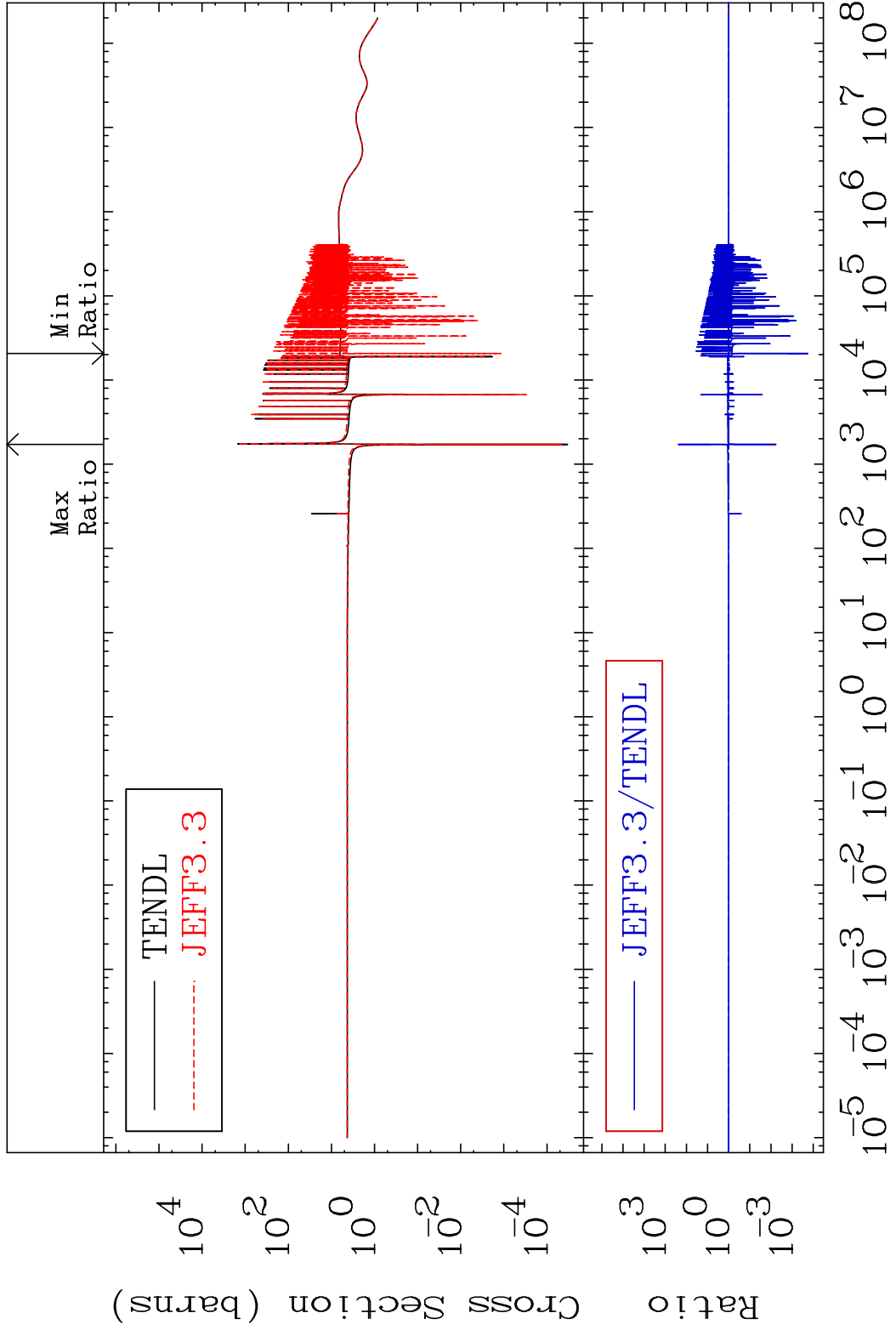


1

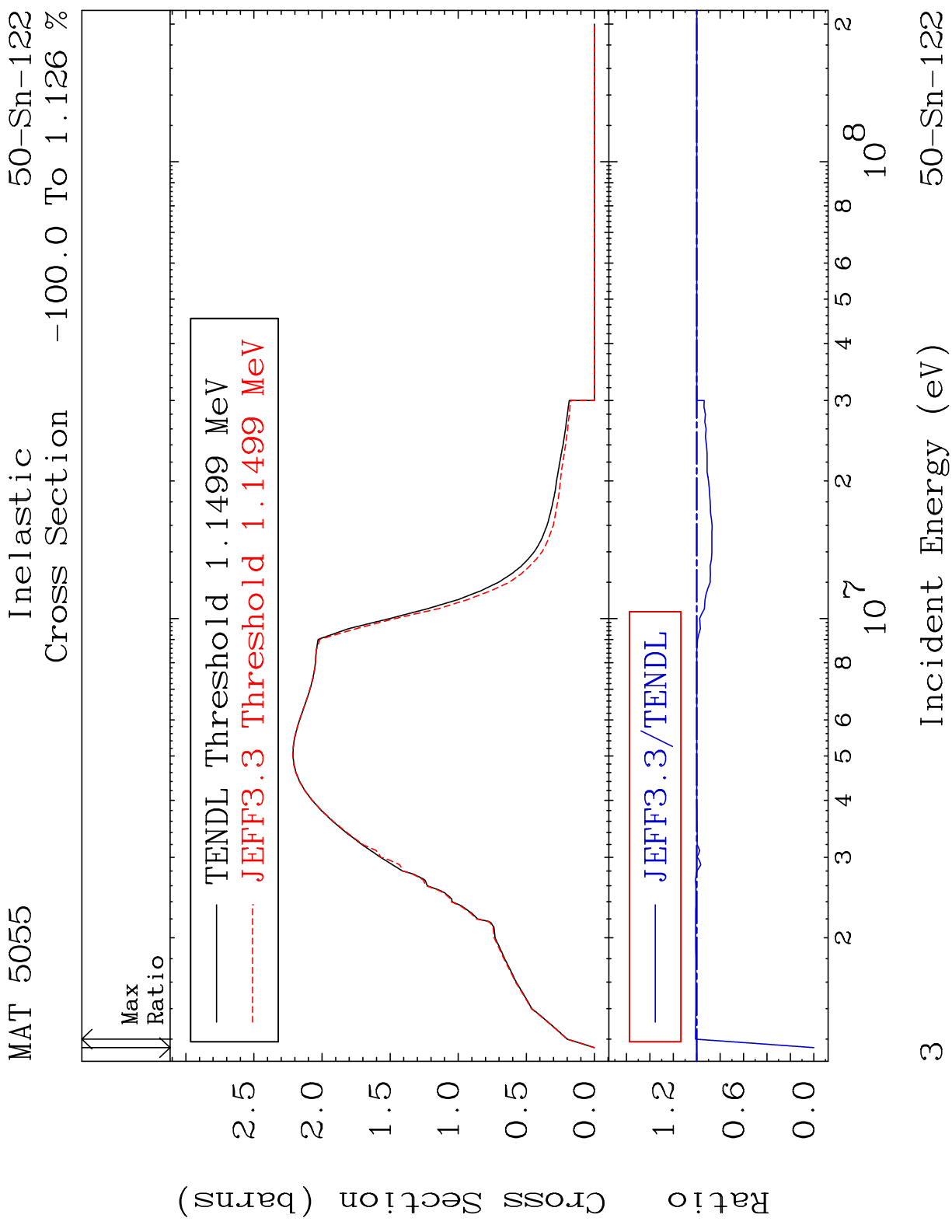
Incident Energy (eV)

50-Sn-122

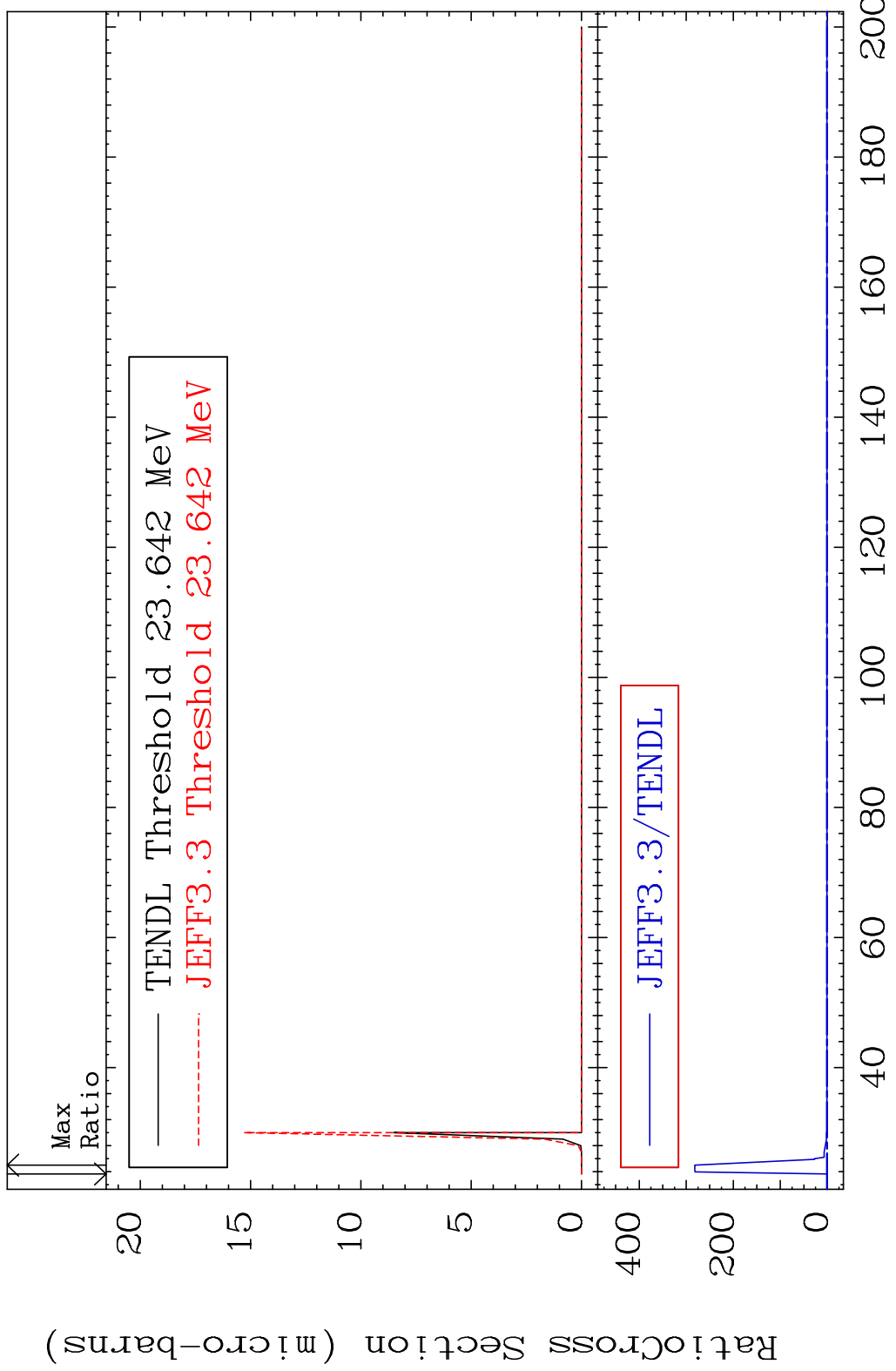
MAT 5055 Elastic Cross Section 50-Sn-122  
 -99.98 To 9999. %



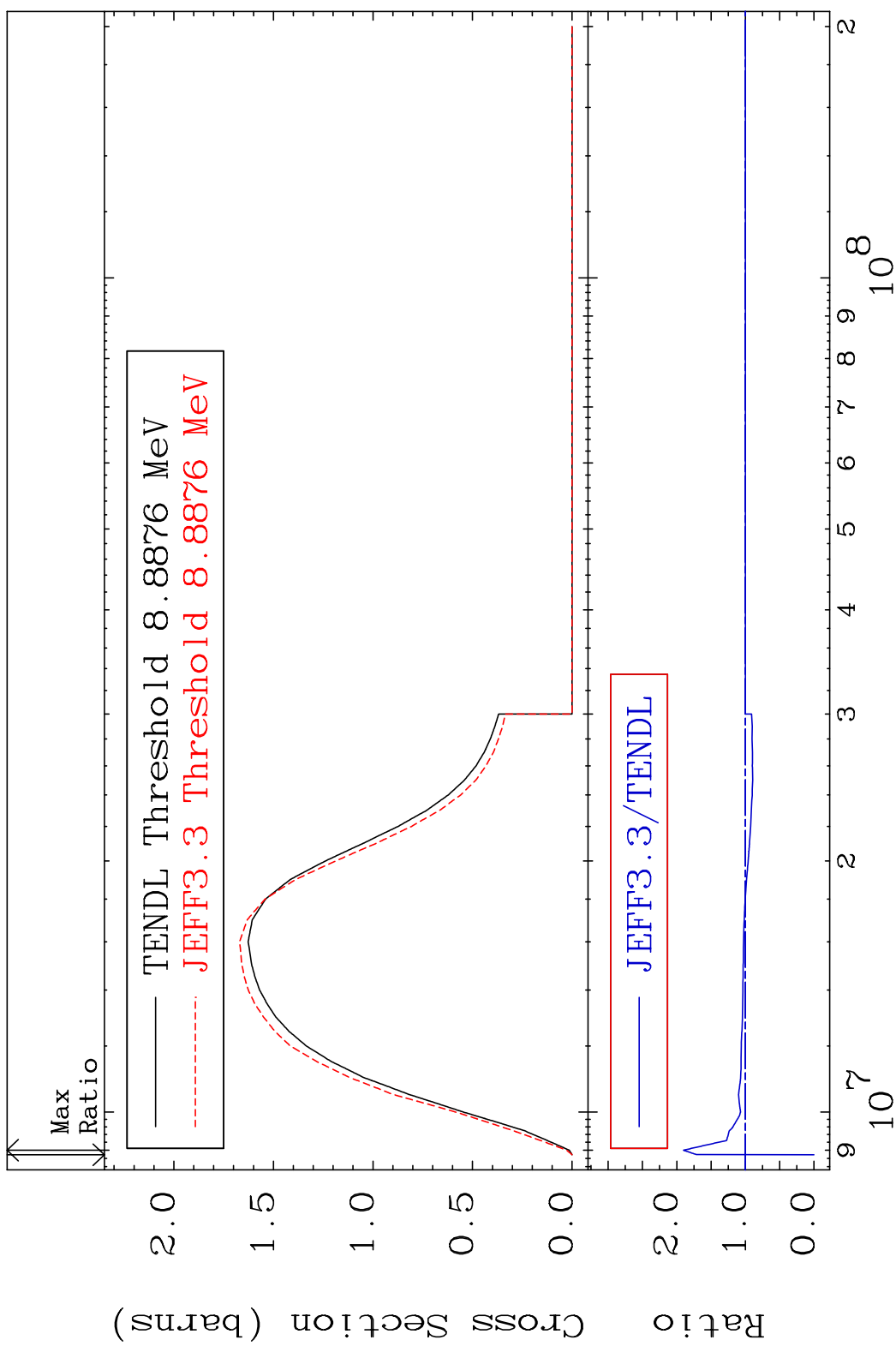
2 Incident Energy (eV) 50-Sn-122



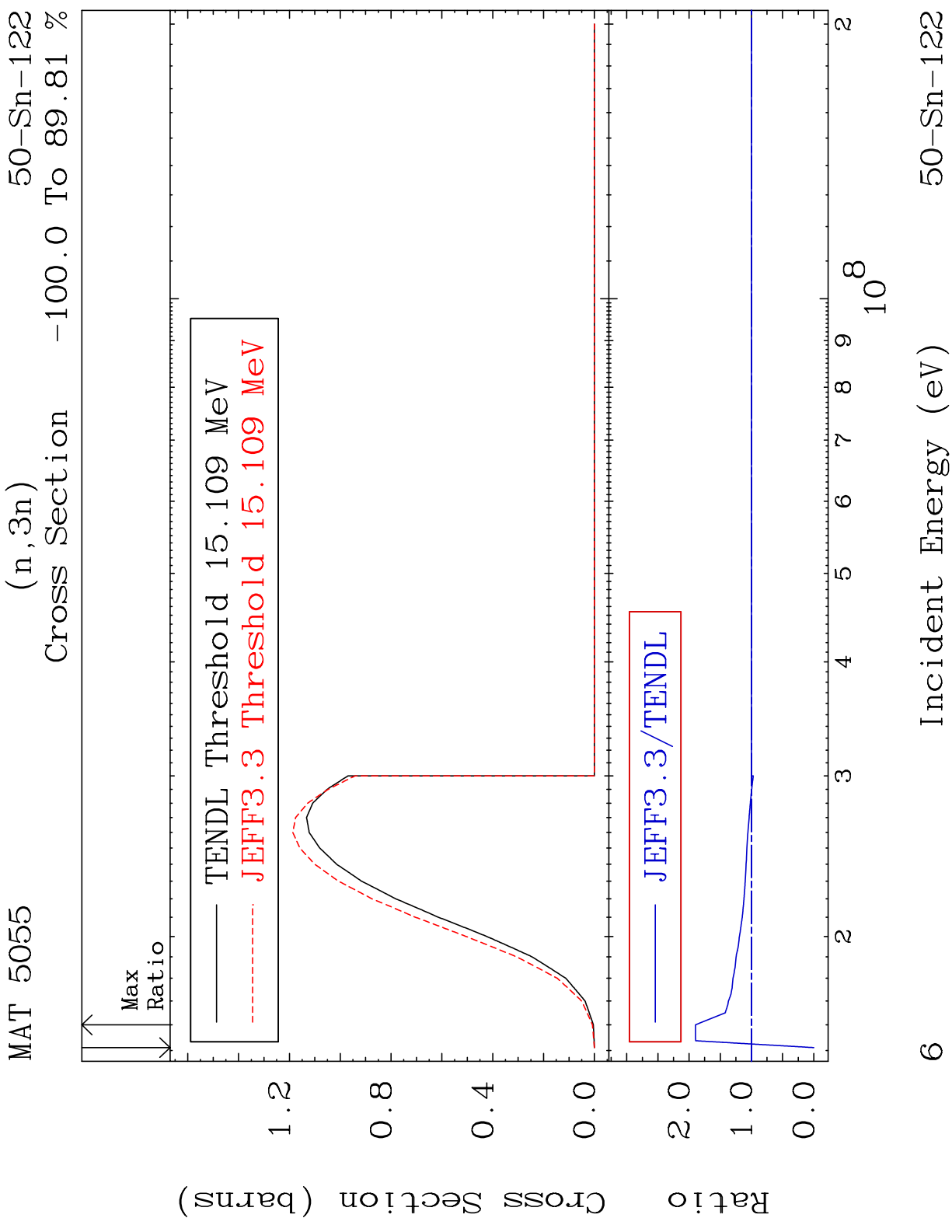
MAT 5055 (n,2n) d 50-Sn-122  
 Cross Section -100.0 To 9999. %



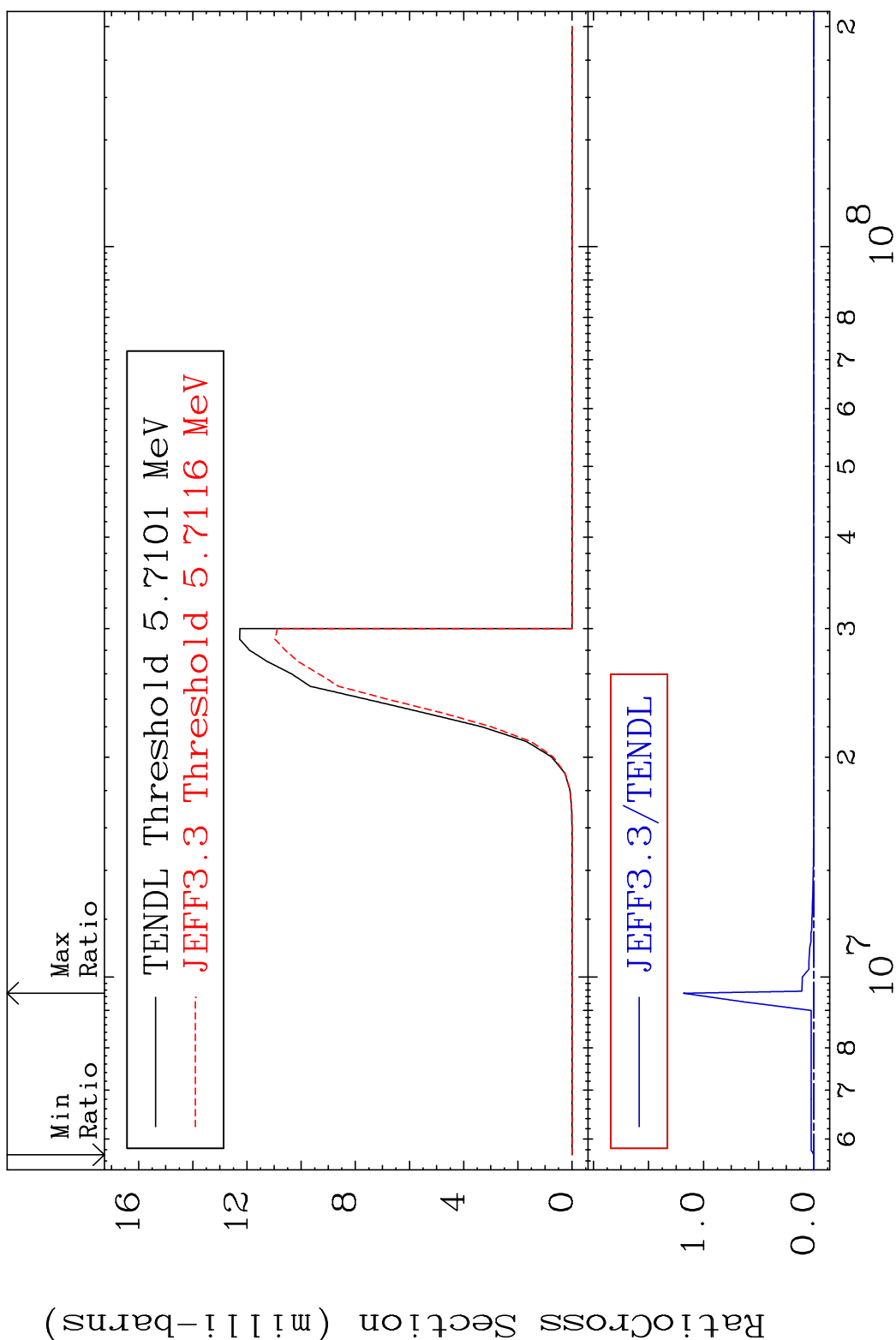
MAT 5055 (n,2n) 50-Sn-122  
Cross Section -100.0 To 90.22 %



5 9 10<sup>7</sup> 2 3 4 5 6 7 8 9 10<sup>8</sup> 2 50-Sn-122



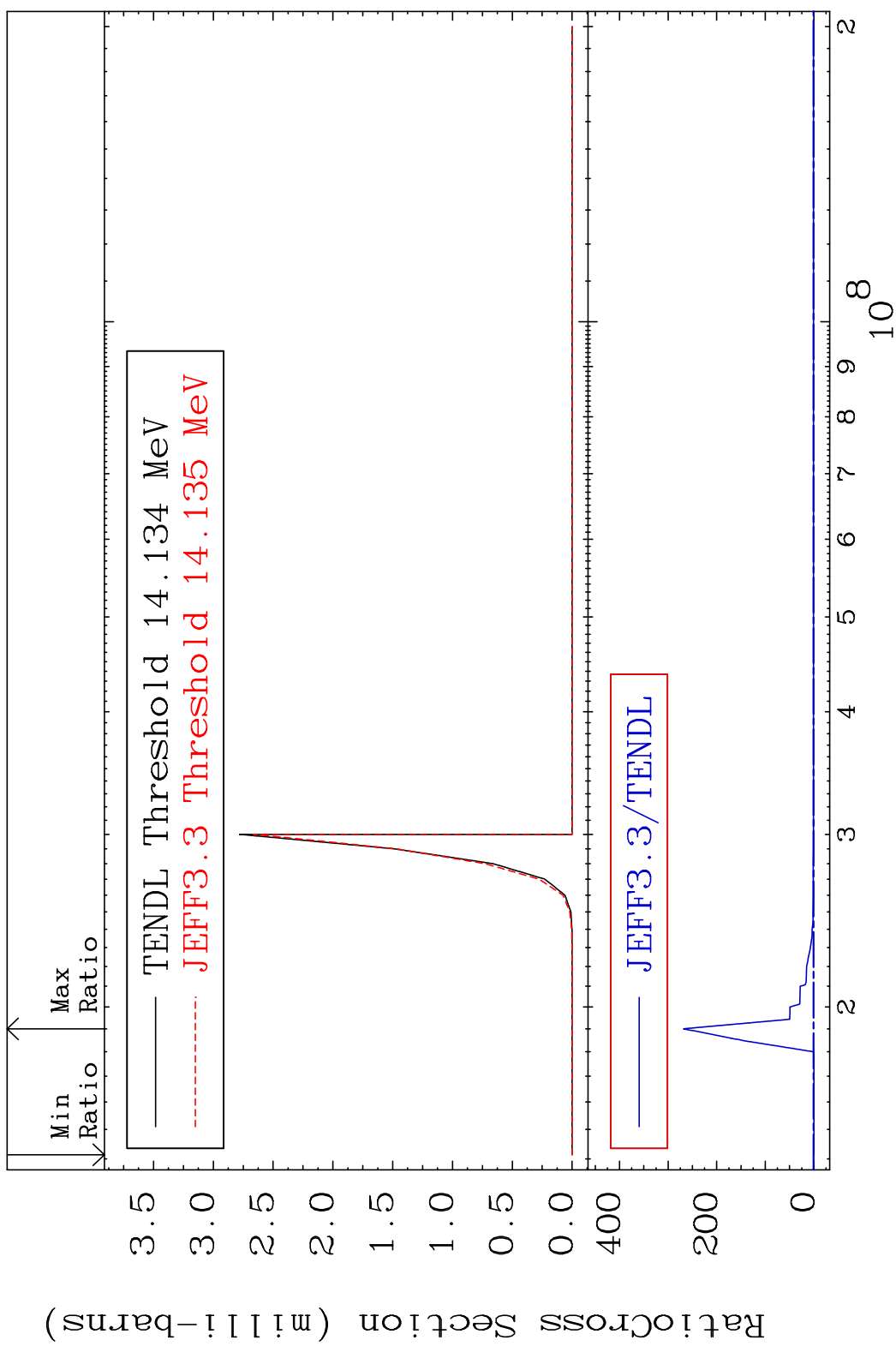
MAT 5055 (n, n')  $\alpha$  50-Sn-122  
 Cross Section -100.0 To 9999. %



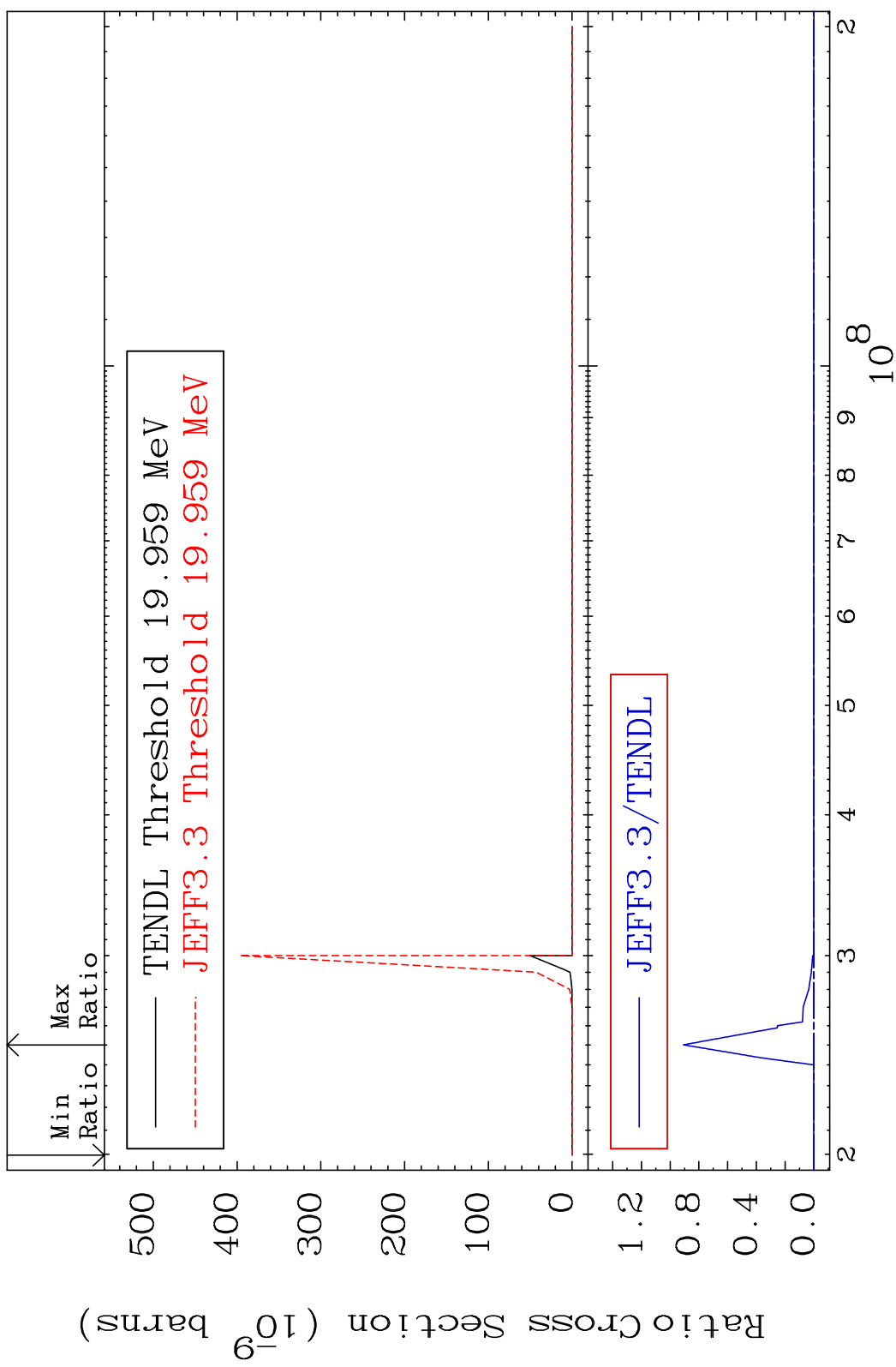
7 Incident Energy (eV) 50-Sn-122



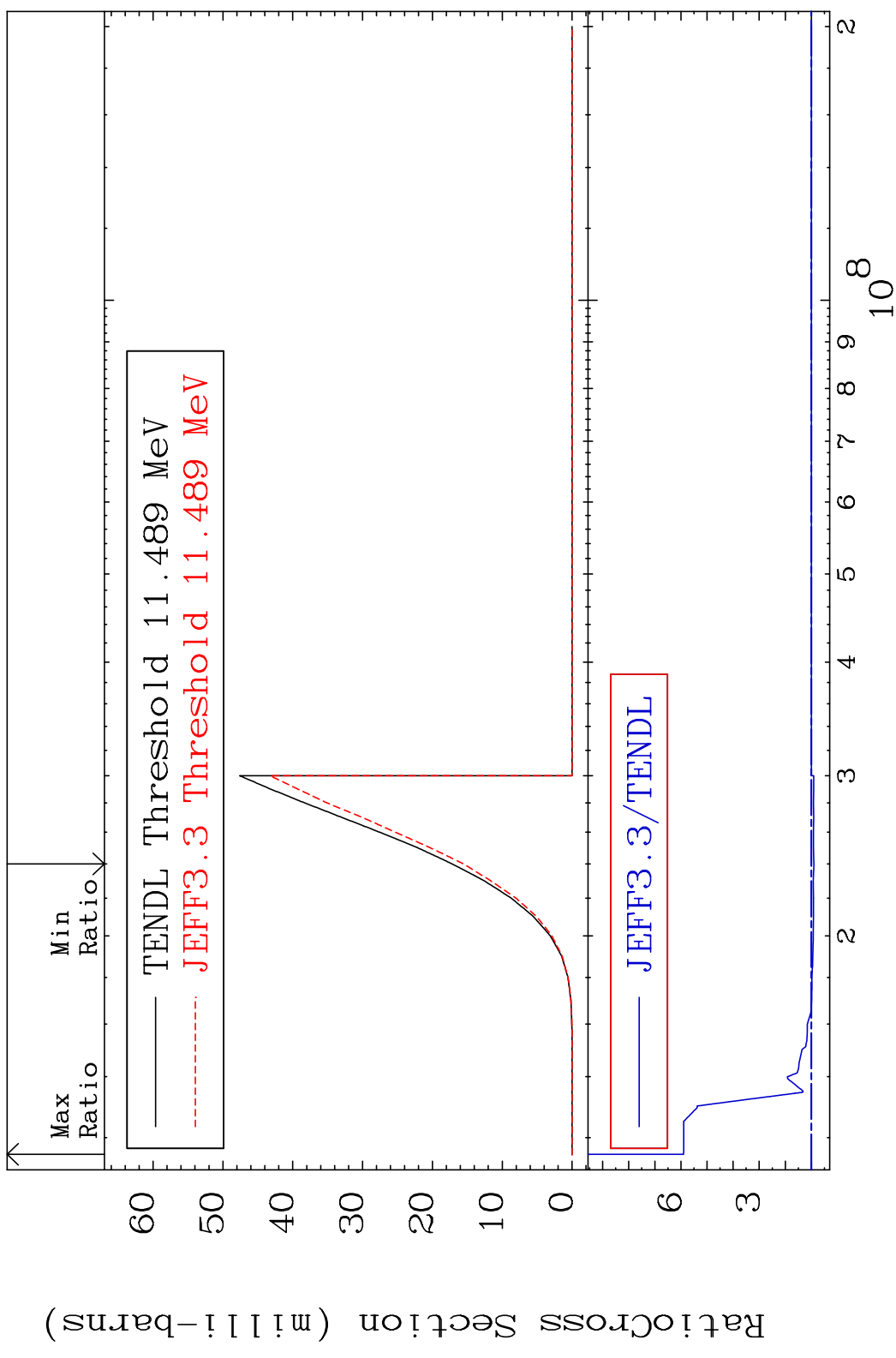
MAT 5055 (n,2n)  $\alpha$  50-Sn-122  
 Cross Section -100.0 To 9999. %



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

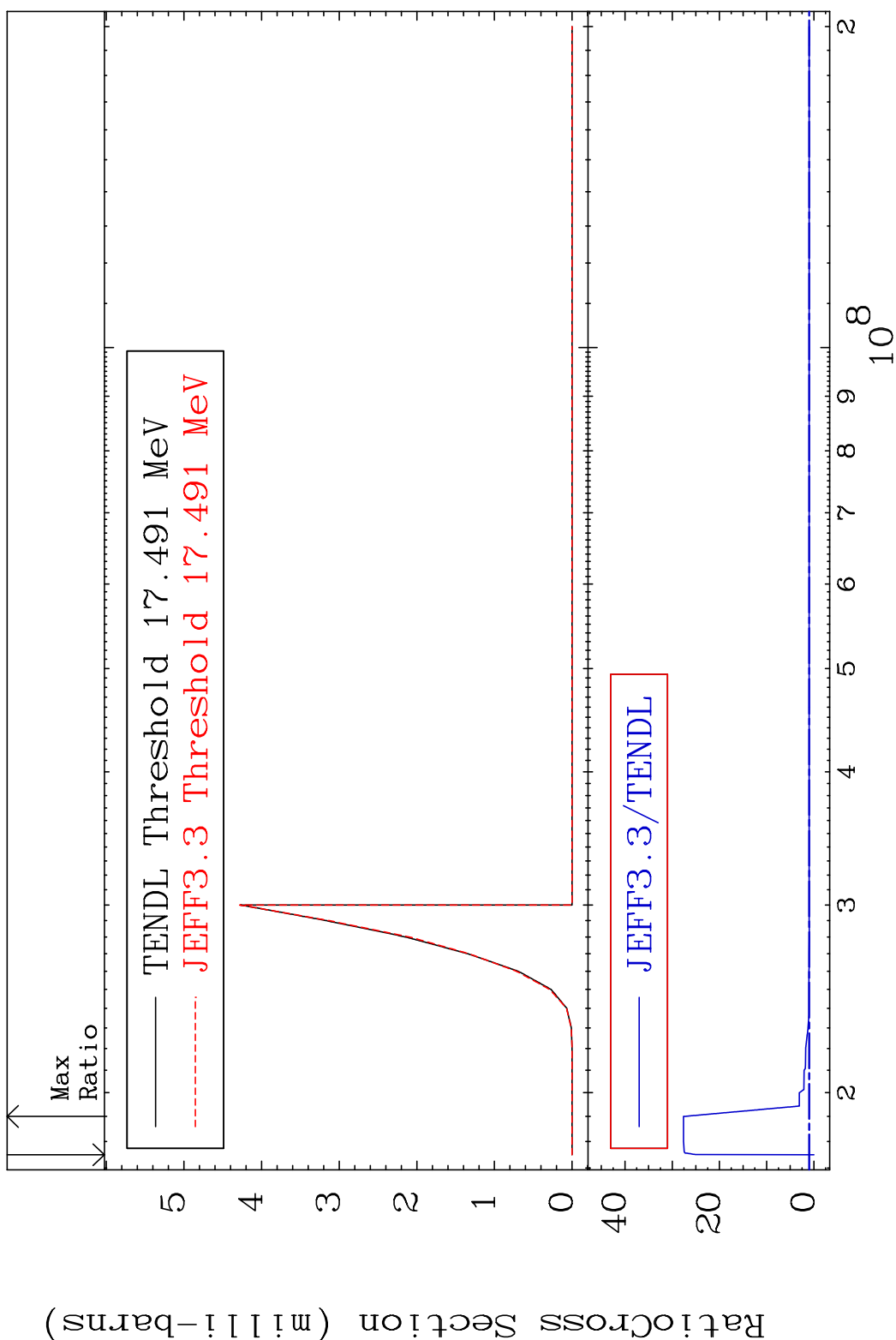


MAT 5055 (n, n') p 50-Sn-122  
 Cross Section -9.477 To 490.3 %



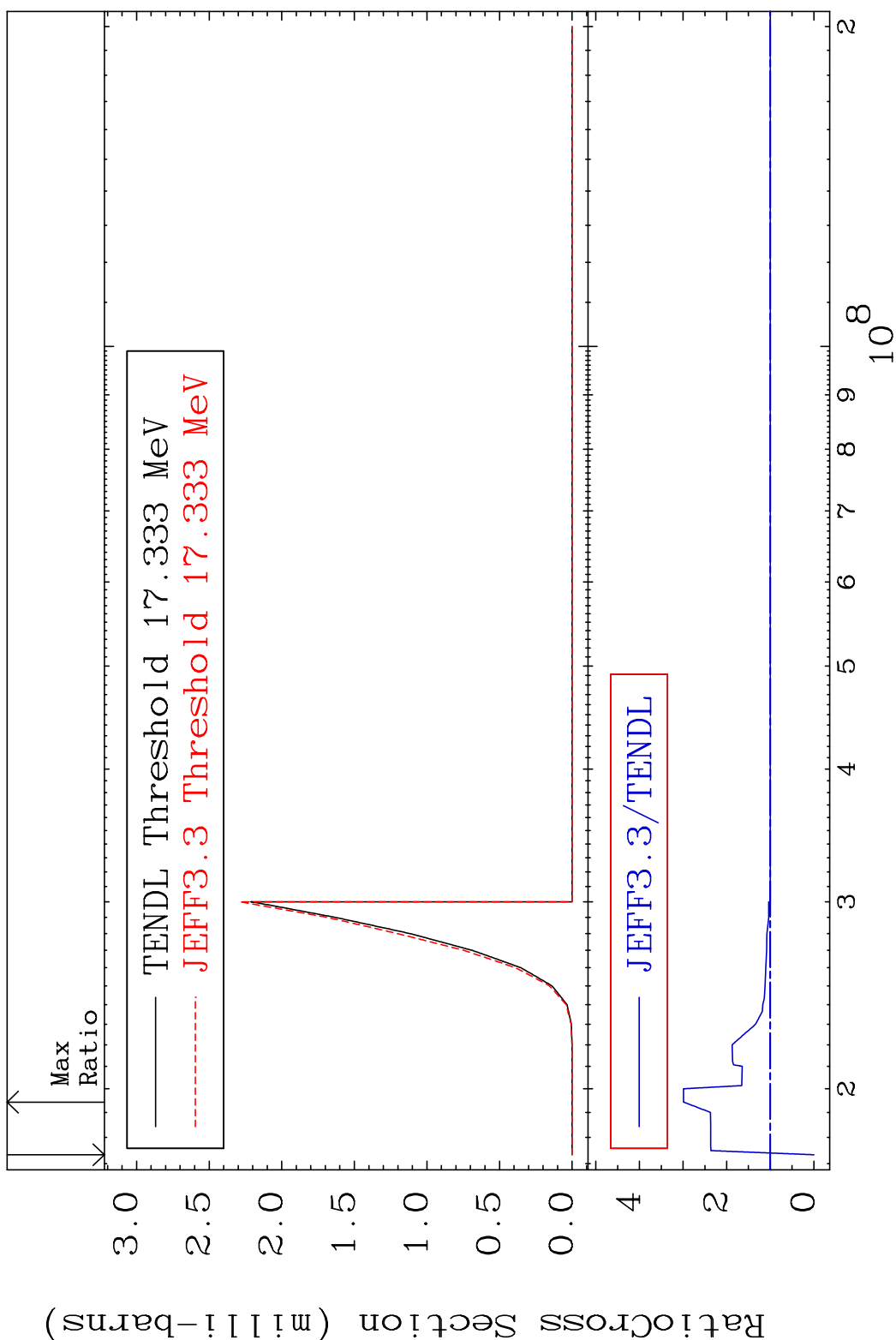
10 50-Sn-122

MAT 5055 (n, n') d 50-Sn-122  
 Cross Section -100.0 To 2662. %



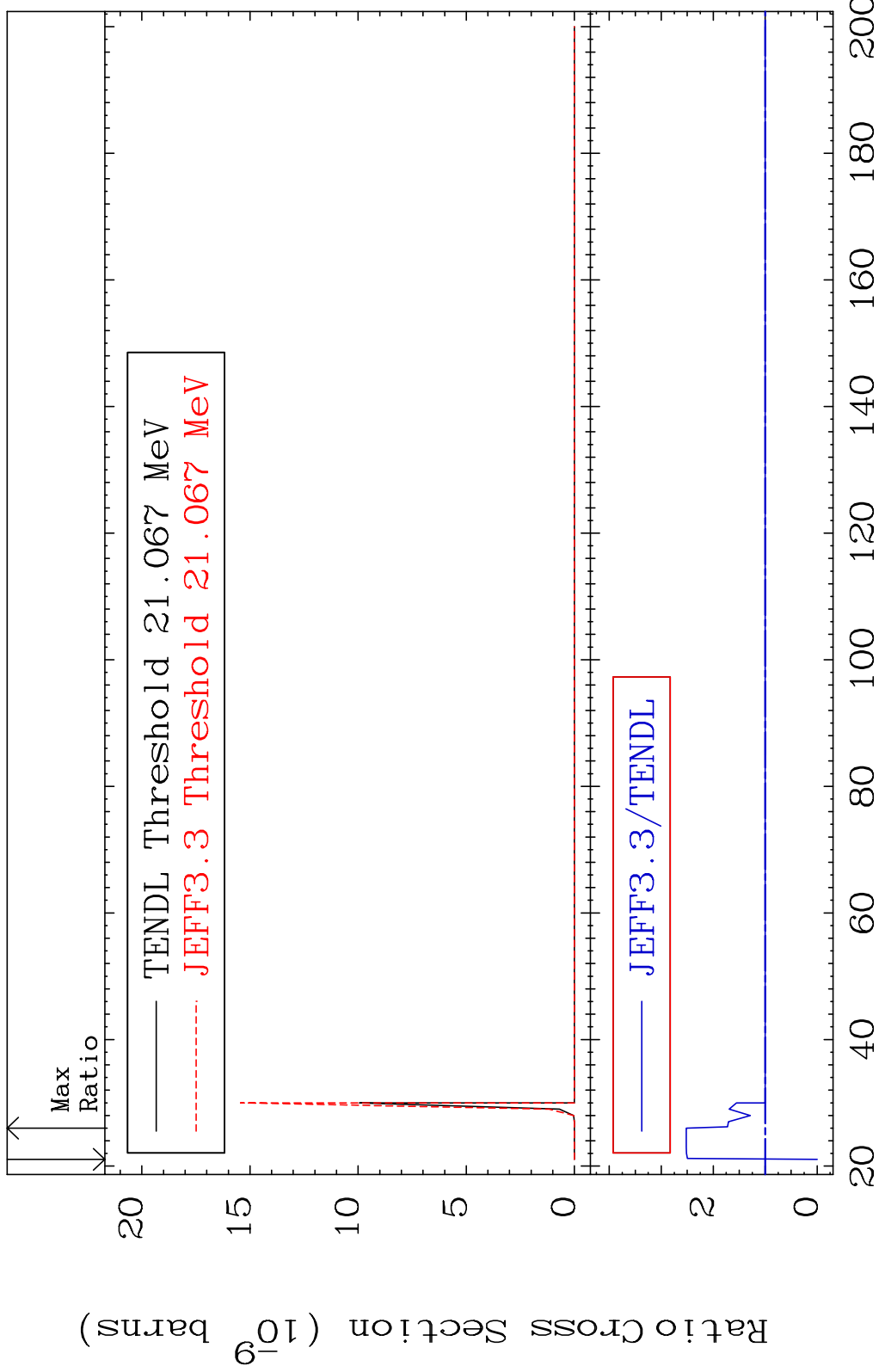
11 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, n') t 50-Sn-122  
 Cross Section -100.0 To 199.1 %

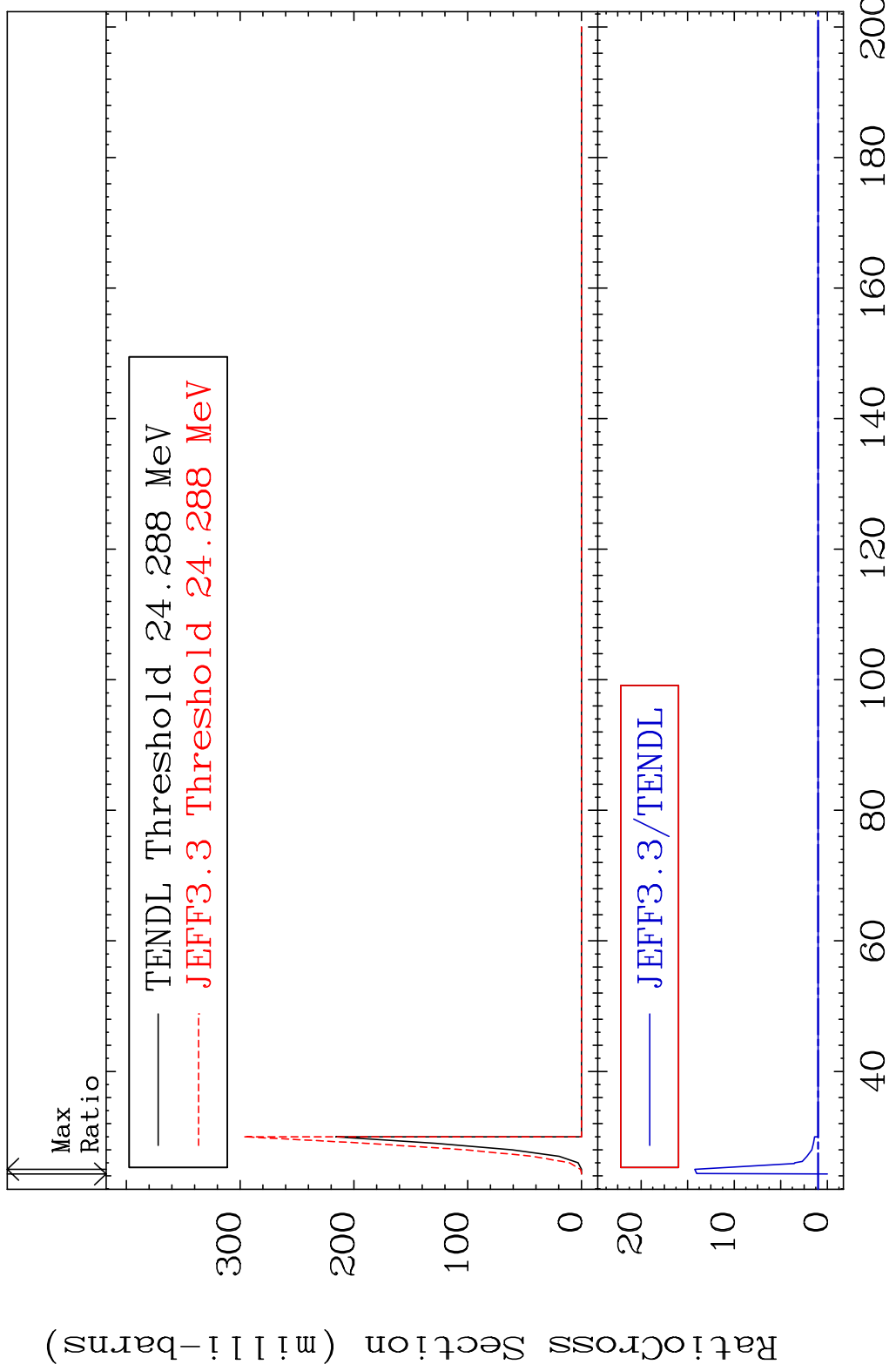


12 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, n') He-3 50-Sn-122  
 Cross Section -100.0 To 152.0 %

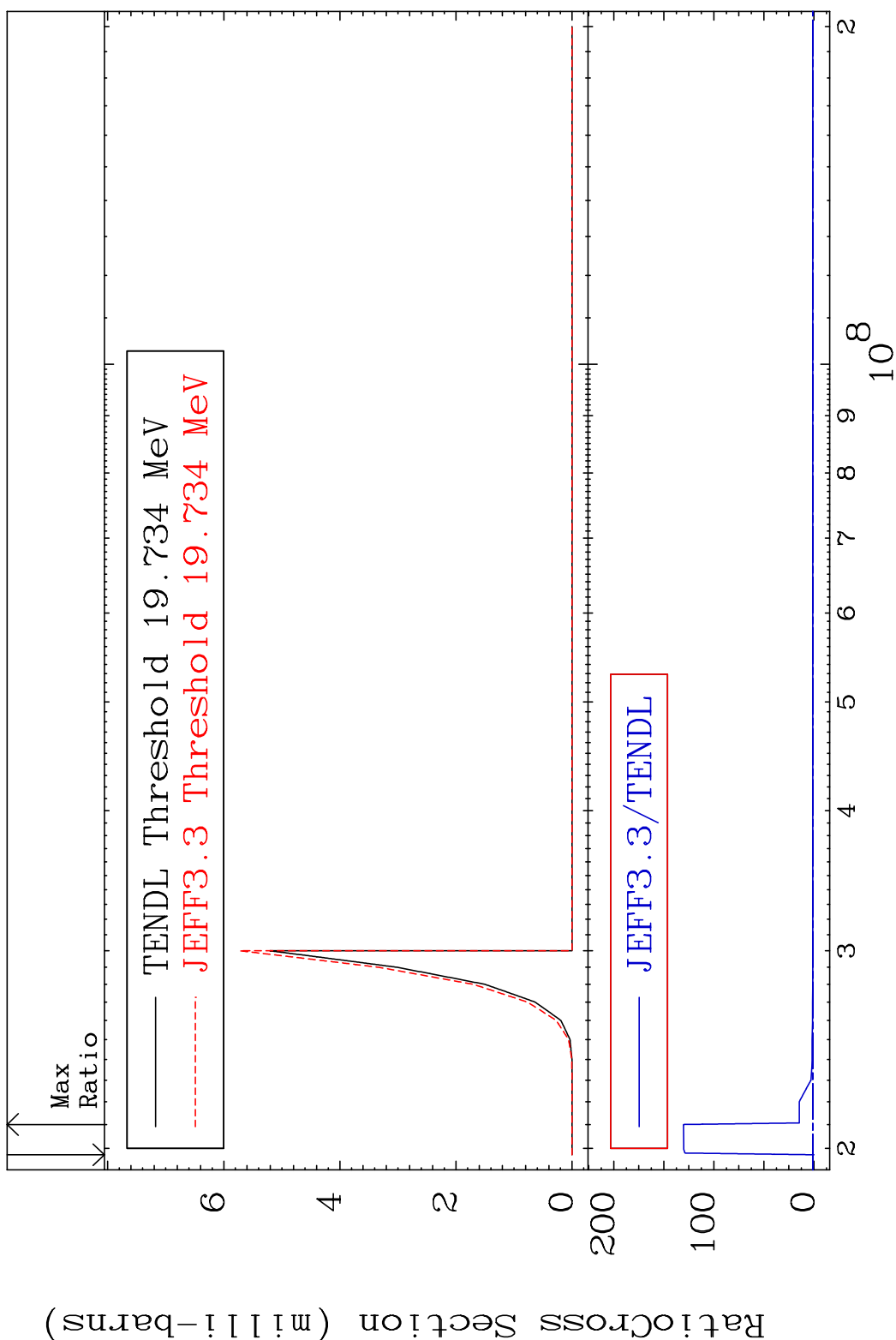


MAT 5055 (n,4n) 50-Sn-122  
Cross Section -100.0 To 1323. %



14 Incident Energy (MeV) 50-Sn-122

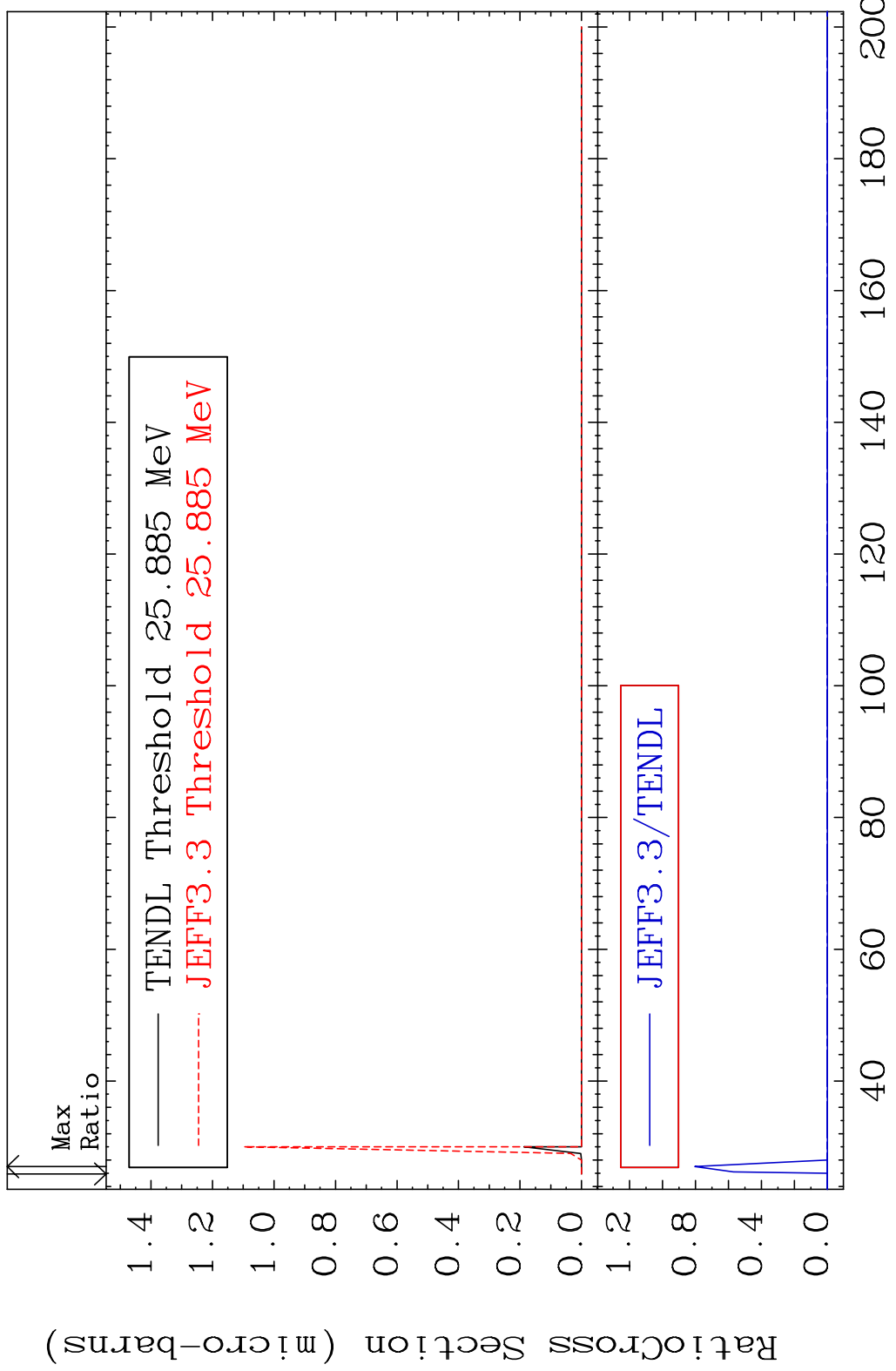
MAT 5055 (n,2n) p 50-Sn-122  
 Cross Section -100.0 To 9999. %



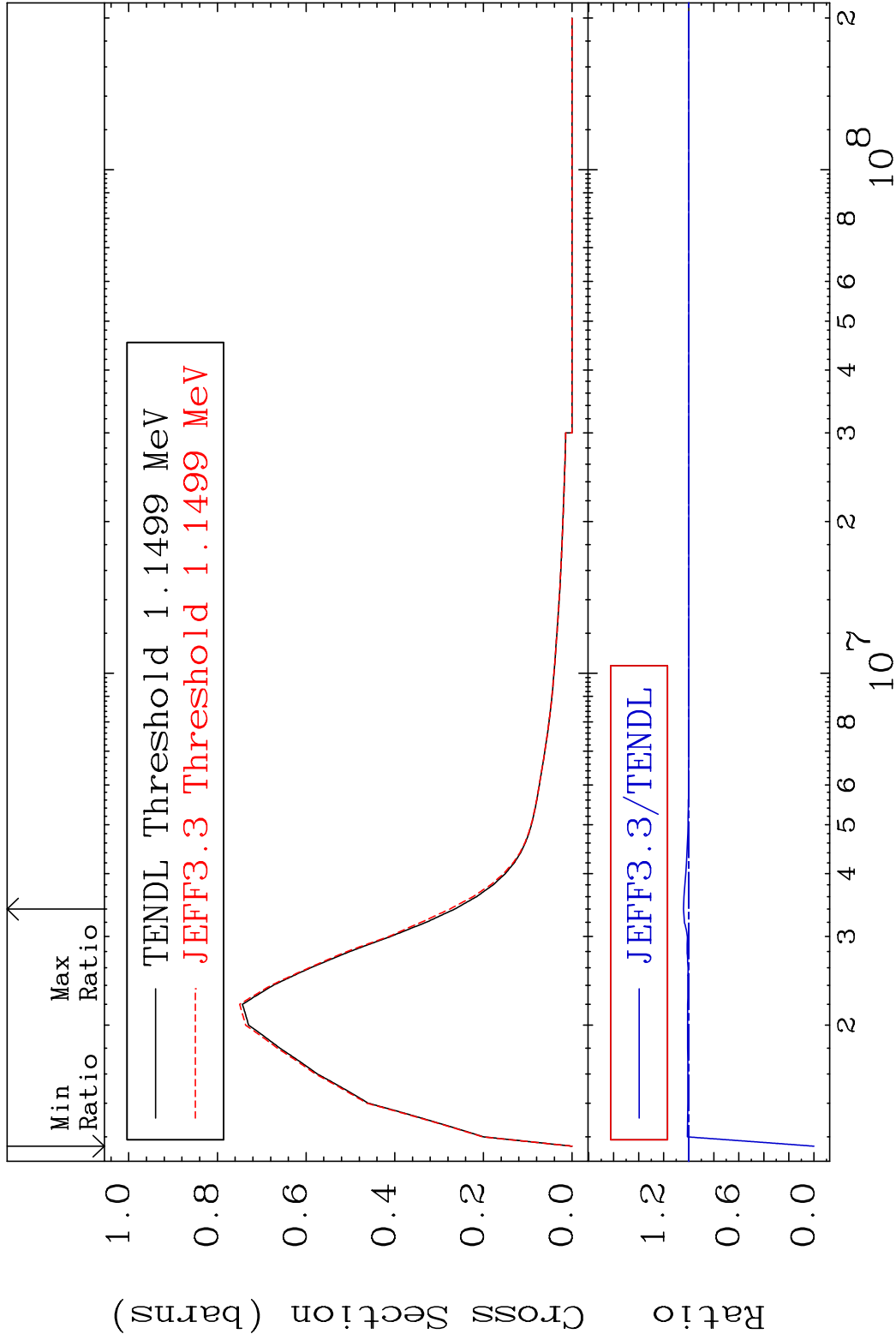
15 Incident Energy (eV) 50-Sn-122



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

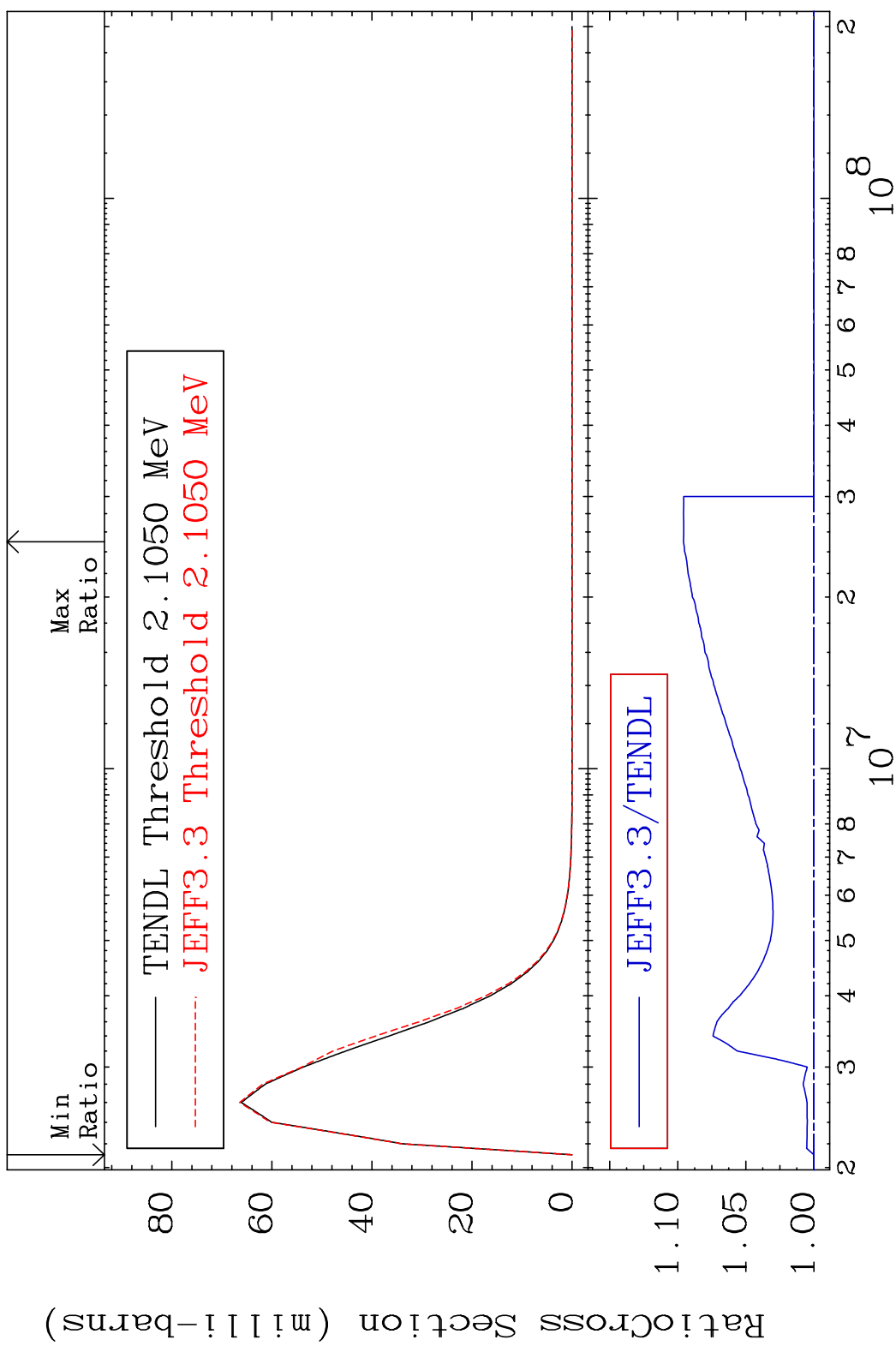


MAT 5055 MT= 51 (n, n') Level 50-Sn-122  
 Cross Section -100.0 To 4.229 %



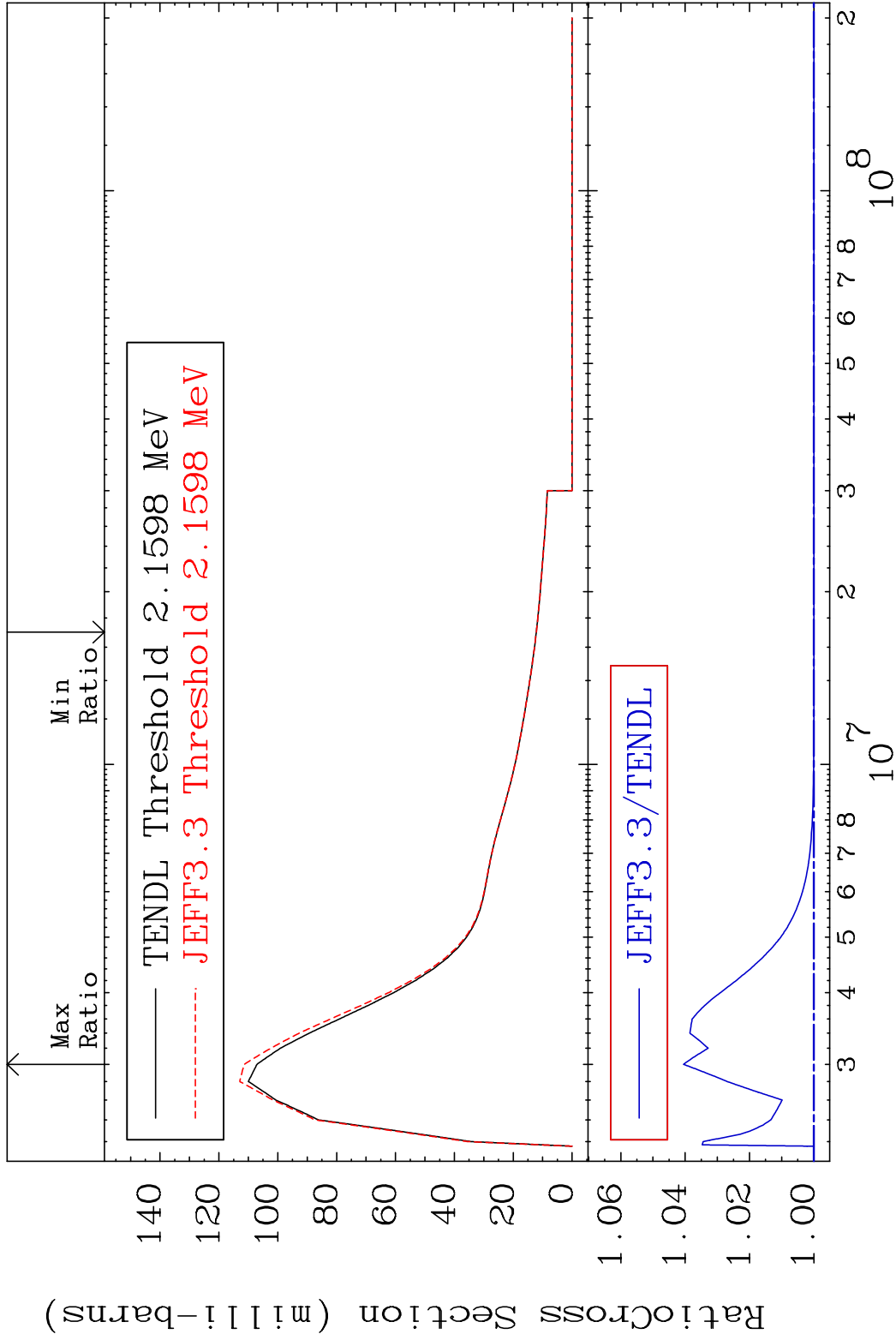
17 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 52 (n, n') Level 50-Sn-122  
 Cross Section 0.000 To 9.578 %

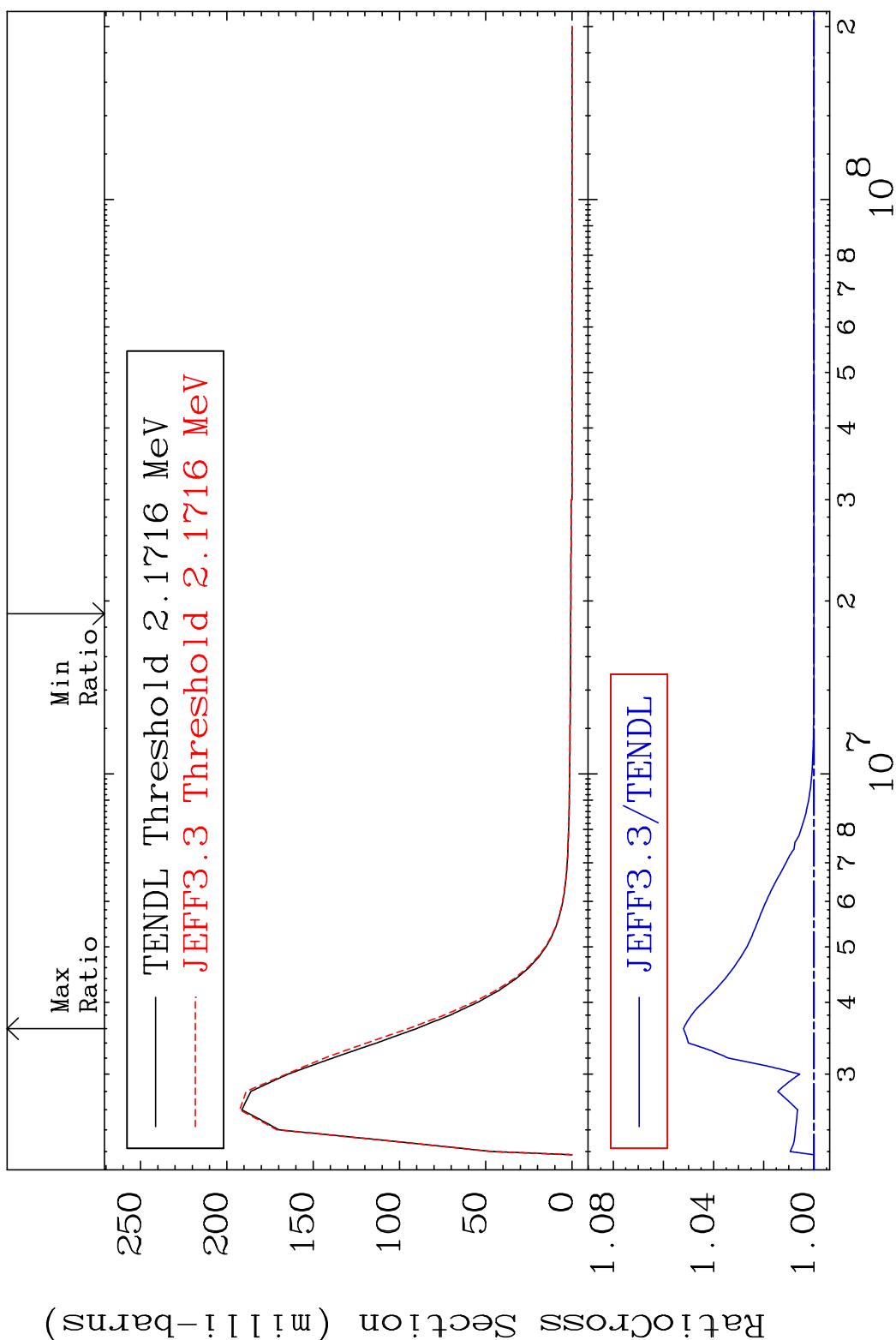


18 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 53 (n, n') Level 50-Sn-122  
 Cross Section 0.000 To 4.053 %

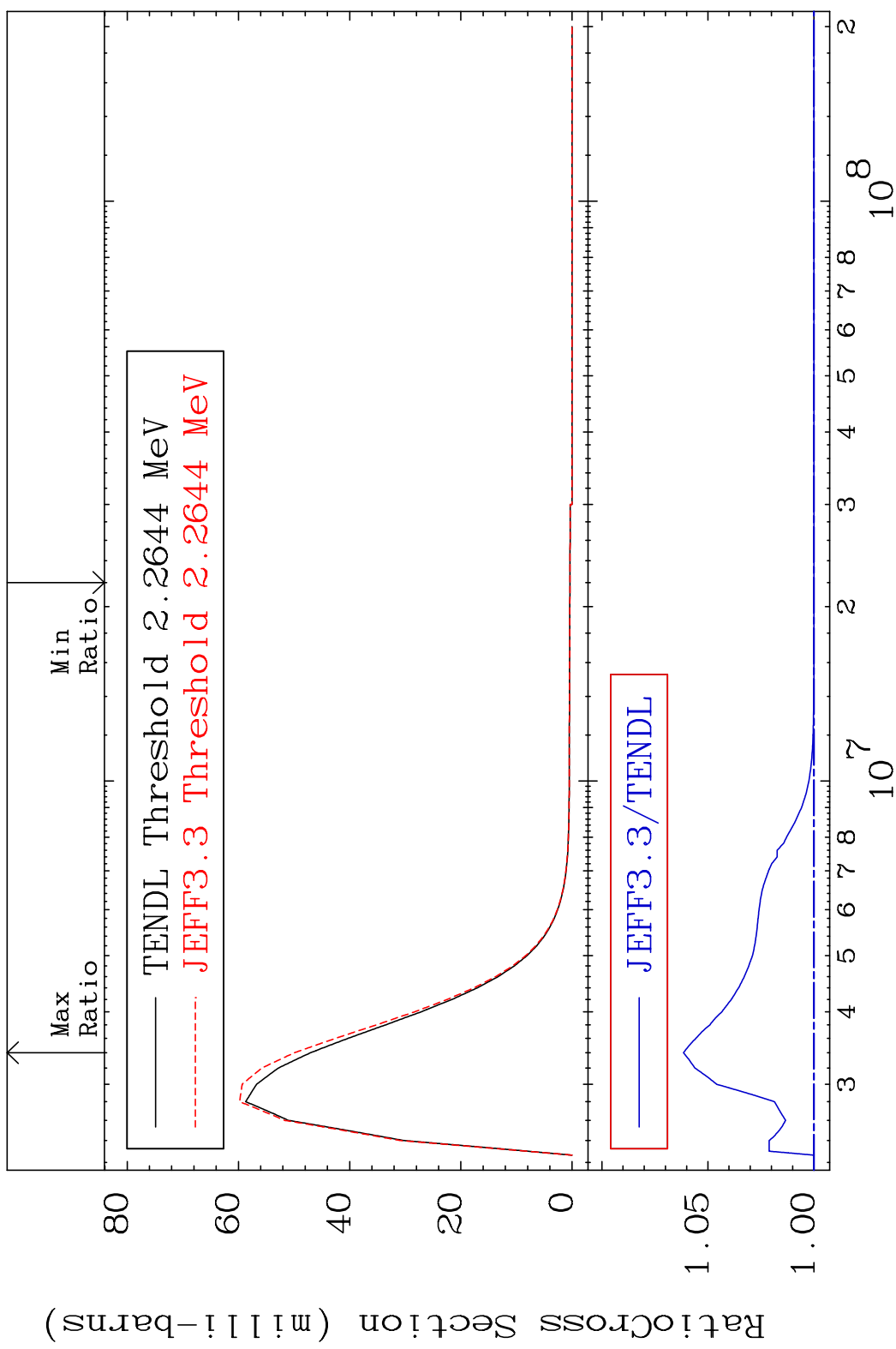


MAT 5055 MT= 54 (n, n') Level 50-Sn-122  
 Cross Section 0.000 To 5.201 %



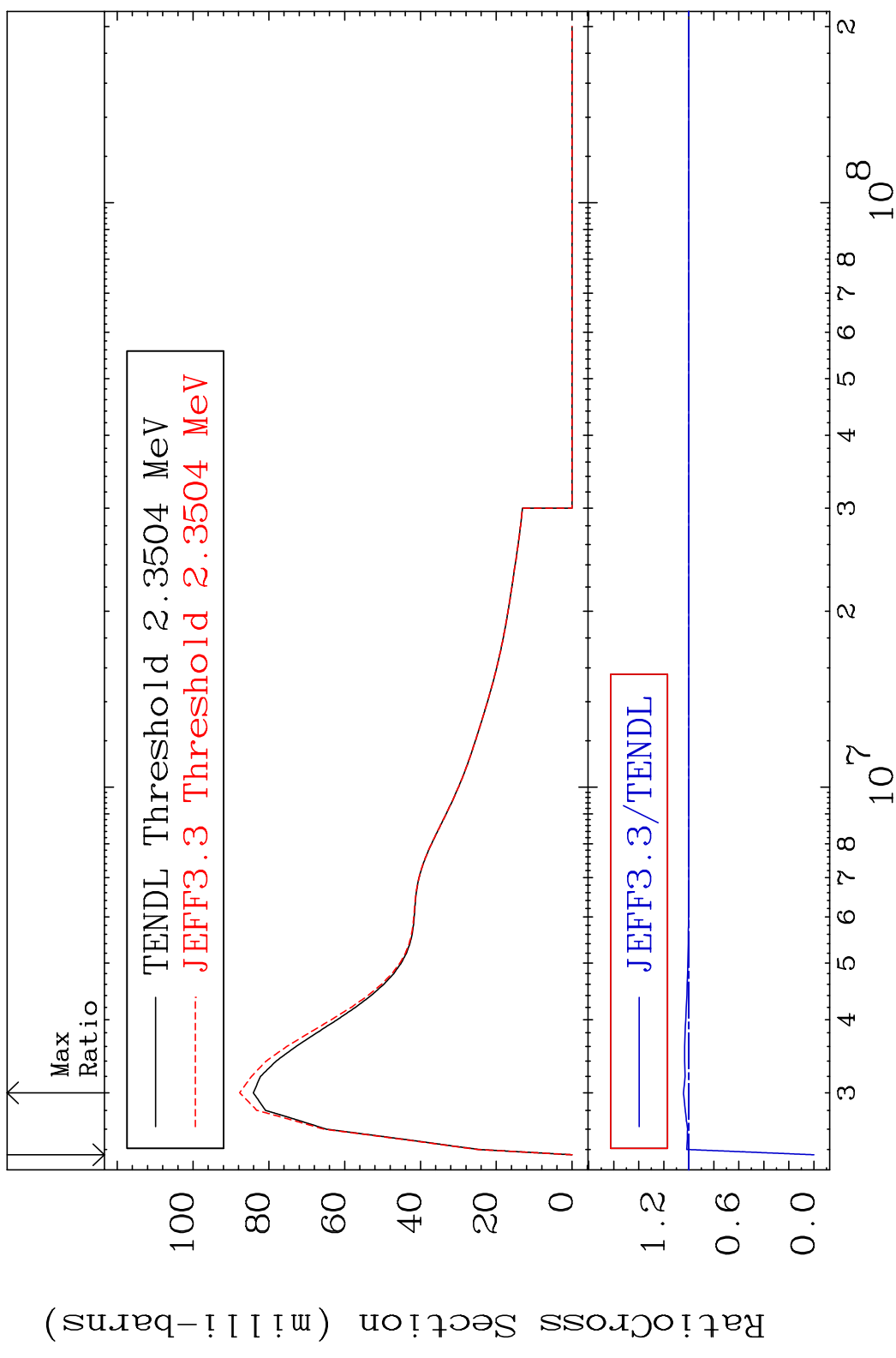
20 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 55 (n, n') Level 50-Sn-122  
 Cross Section 0.000 To 6.151 %



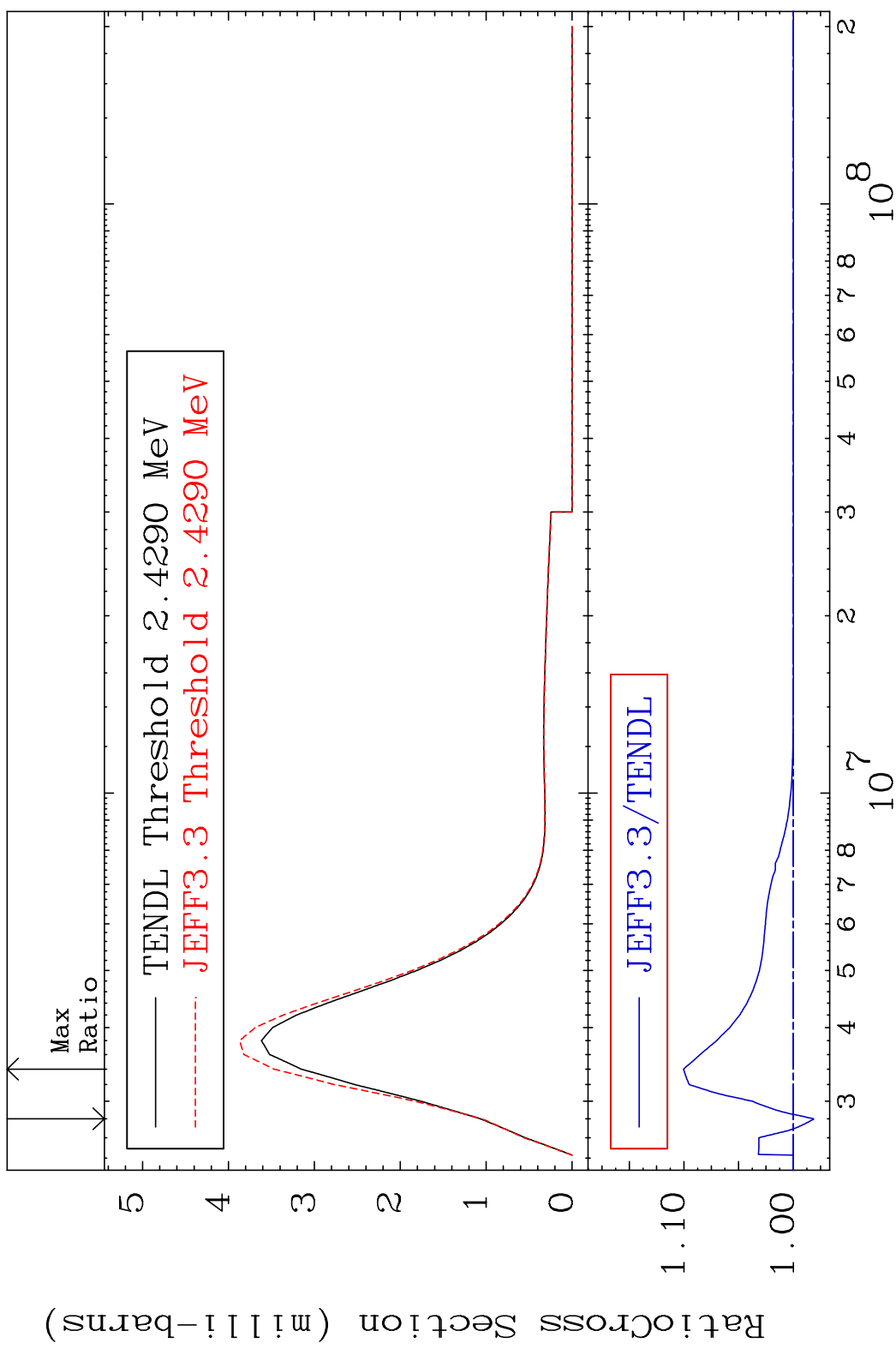
21 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 56 (n, n') Level 50-Sn-122  
 Cross Section -100.0 To 4.278 %



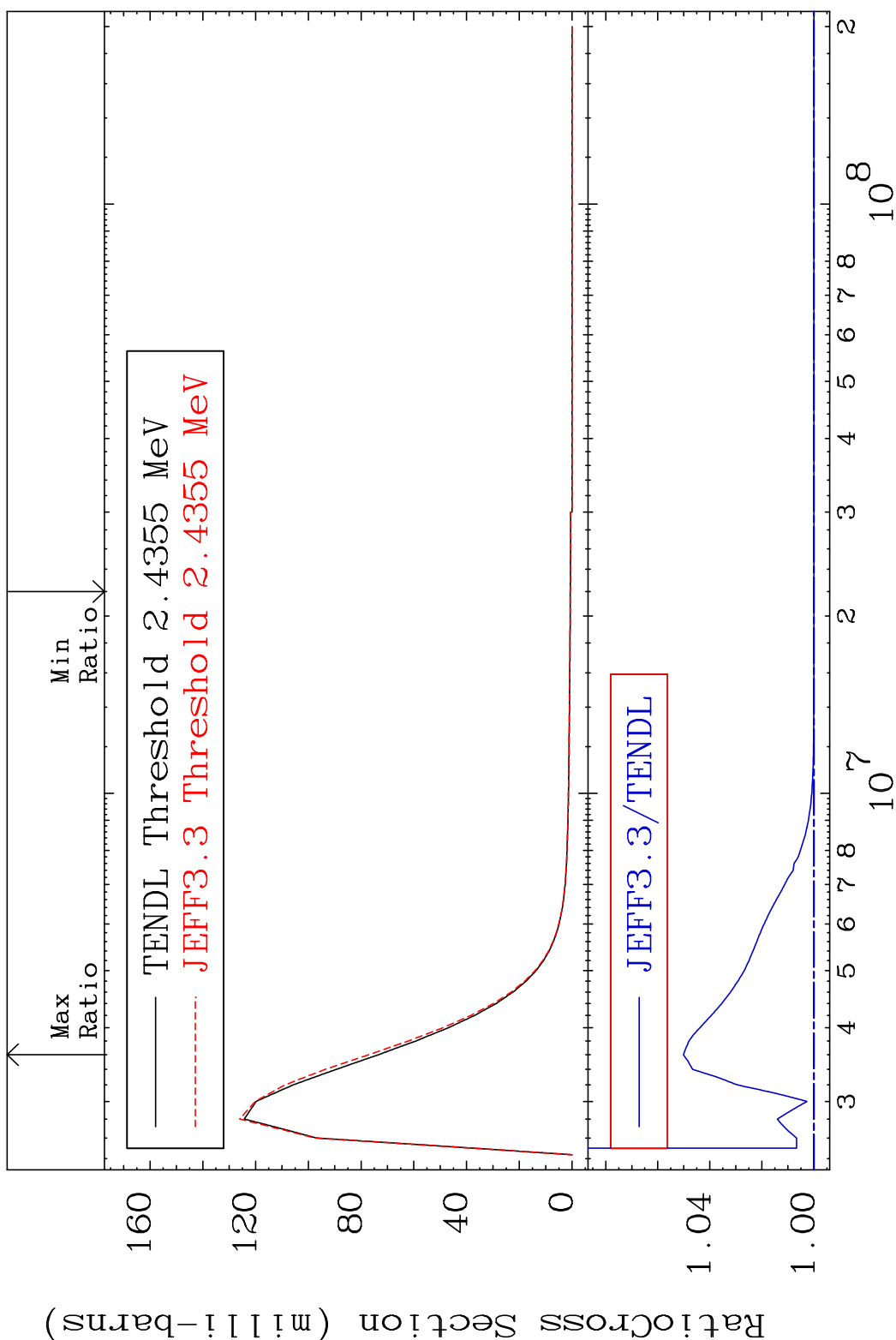
22 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 57 (n, n') Level 50-Sn-122  
 Cross Section -1.884 To 10.05 %



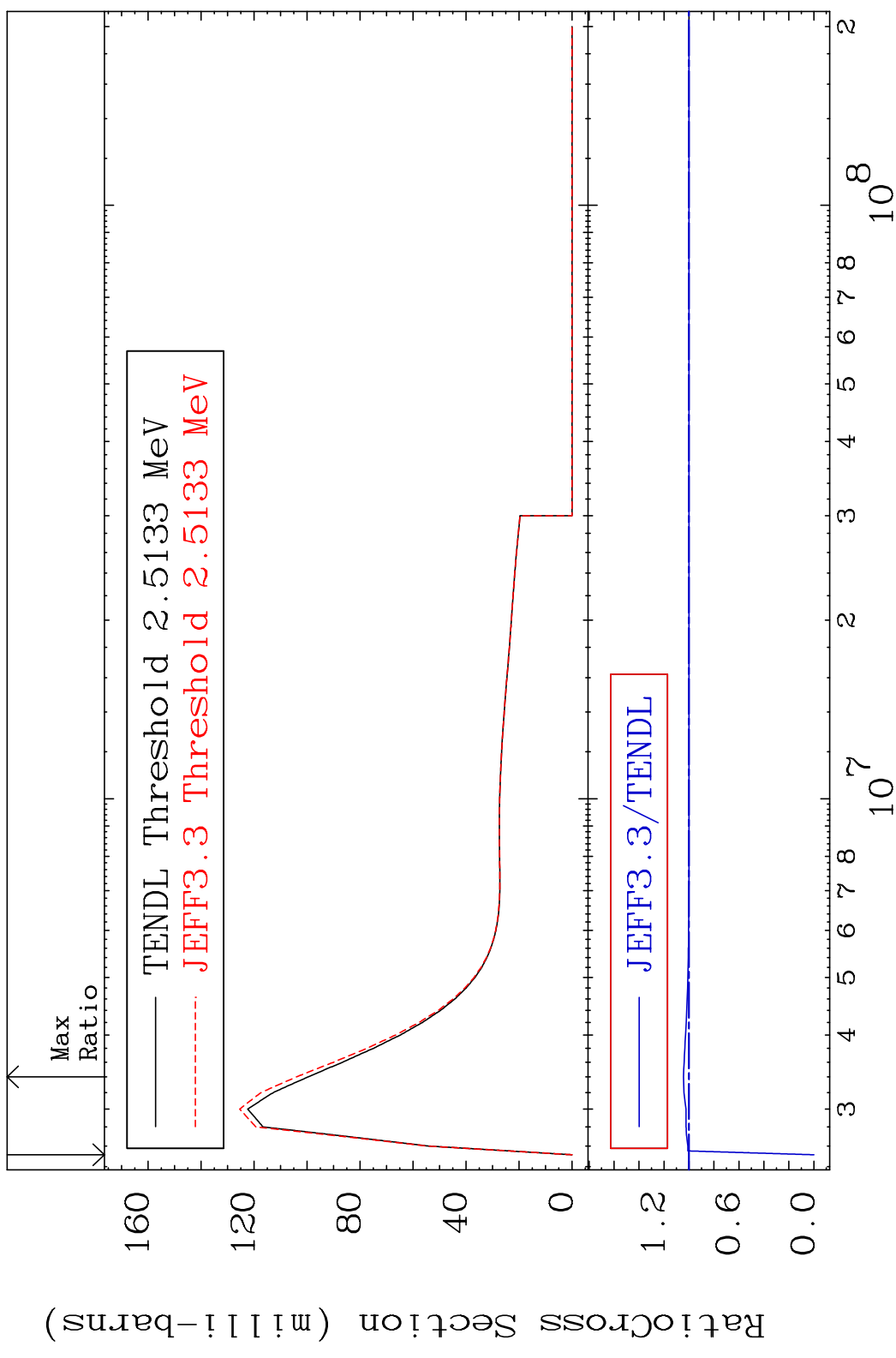


MAT 5055 MT= 58 (n, n') Level 50-Sn-122  
 Cross Section 0.000 To 5.013 %



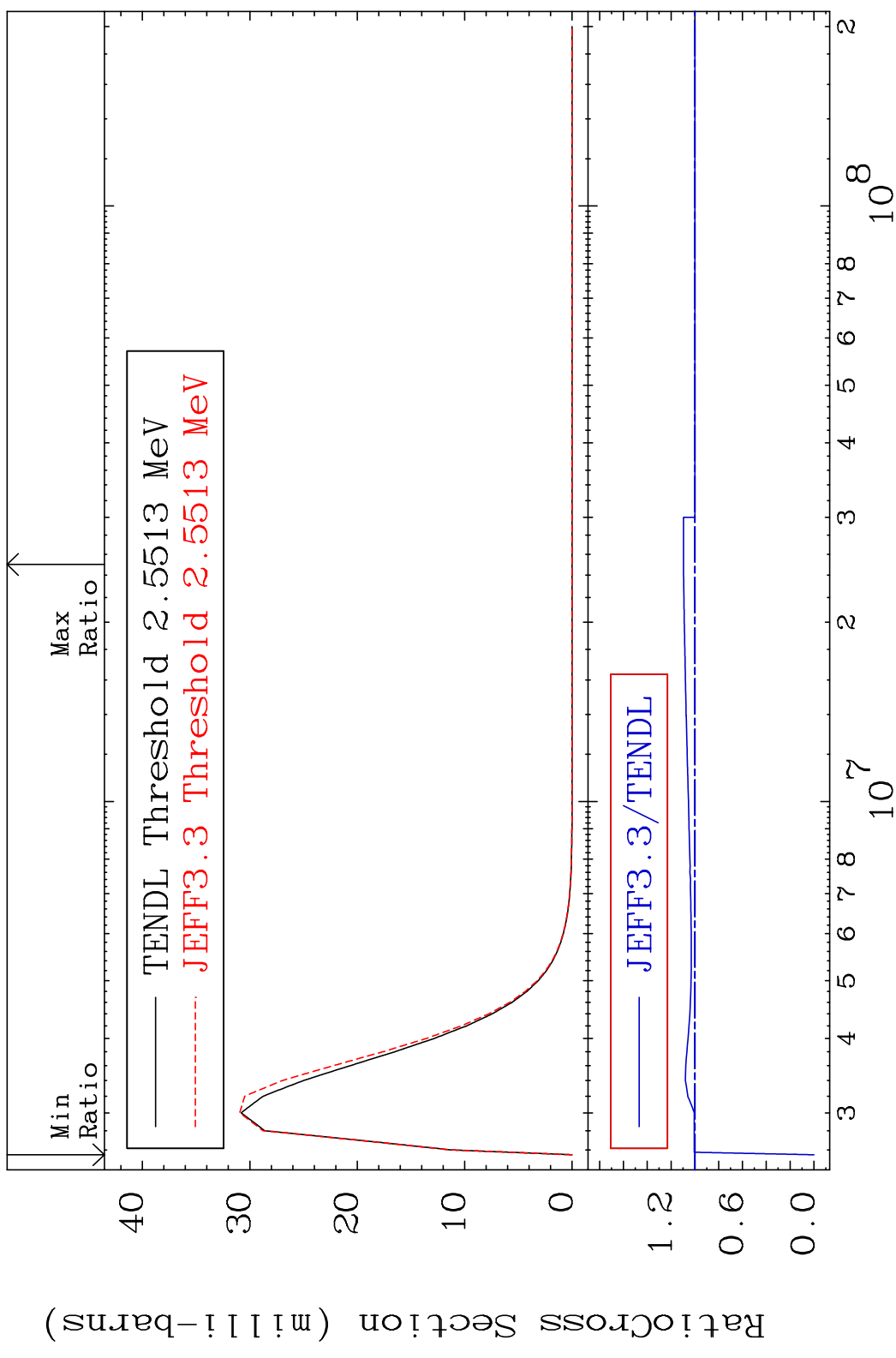
24 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 59 (n, n') Level 50-Sn-122  
 Cross Section -100.0 To 4.427 %

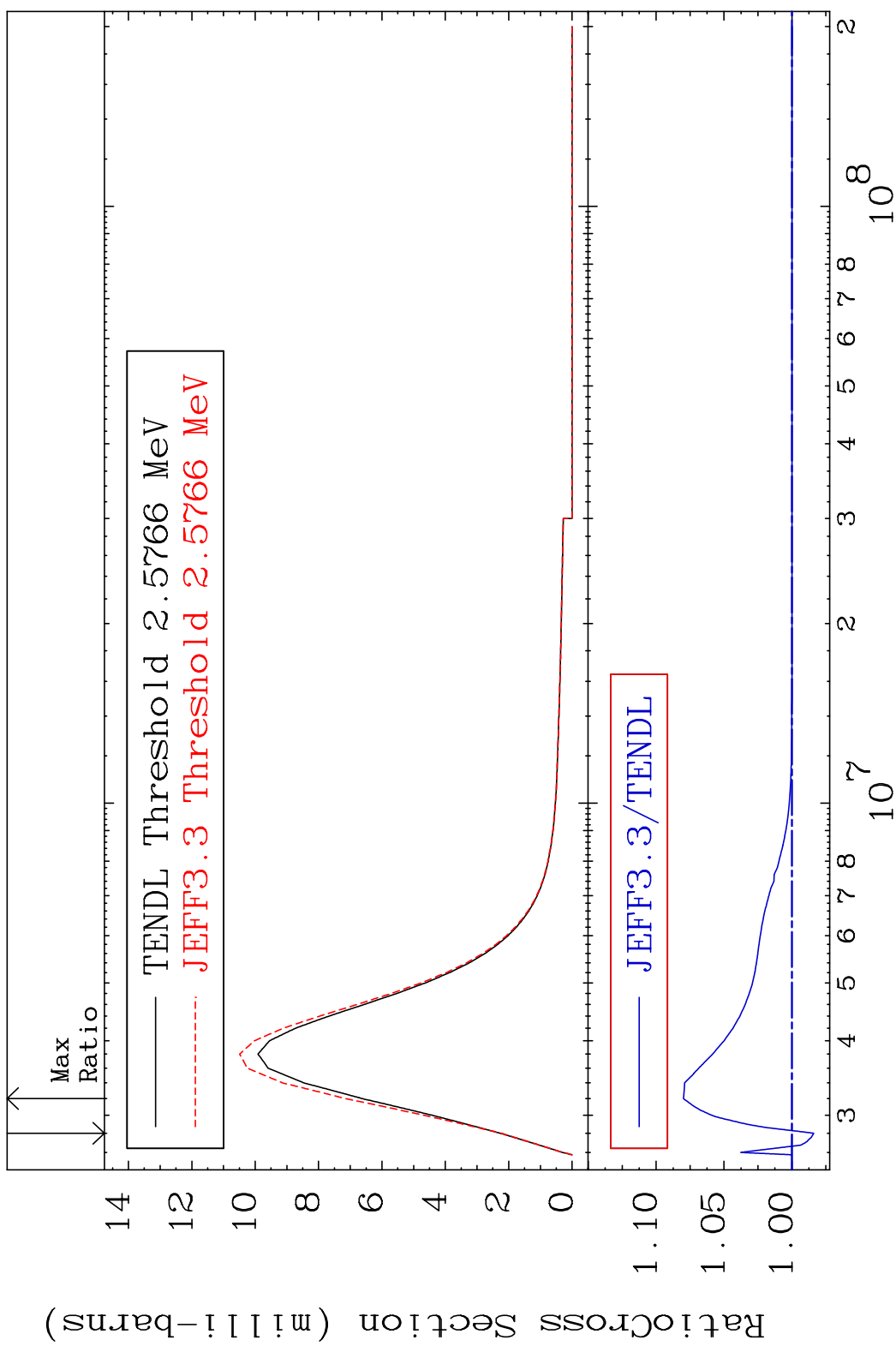


25 Incident Energy (eV) 50-Sn-122

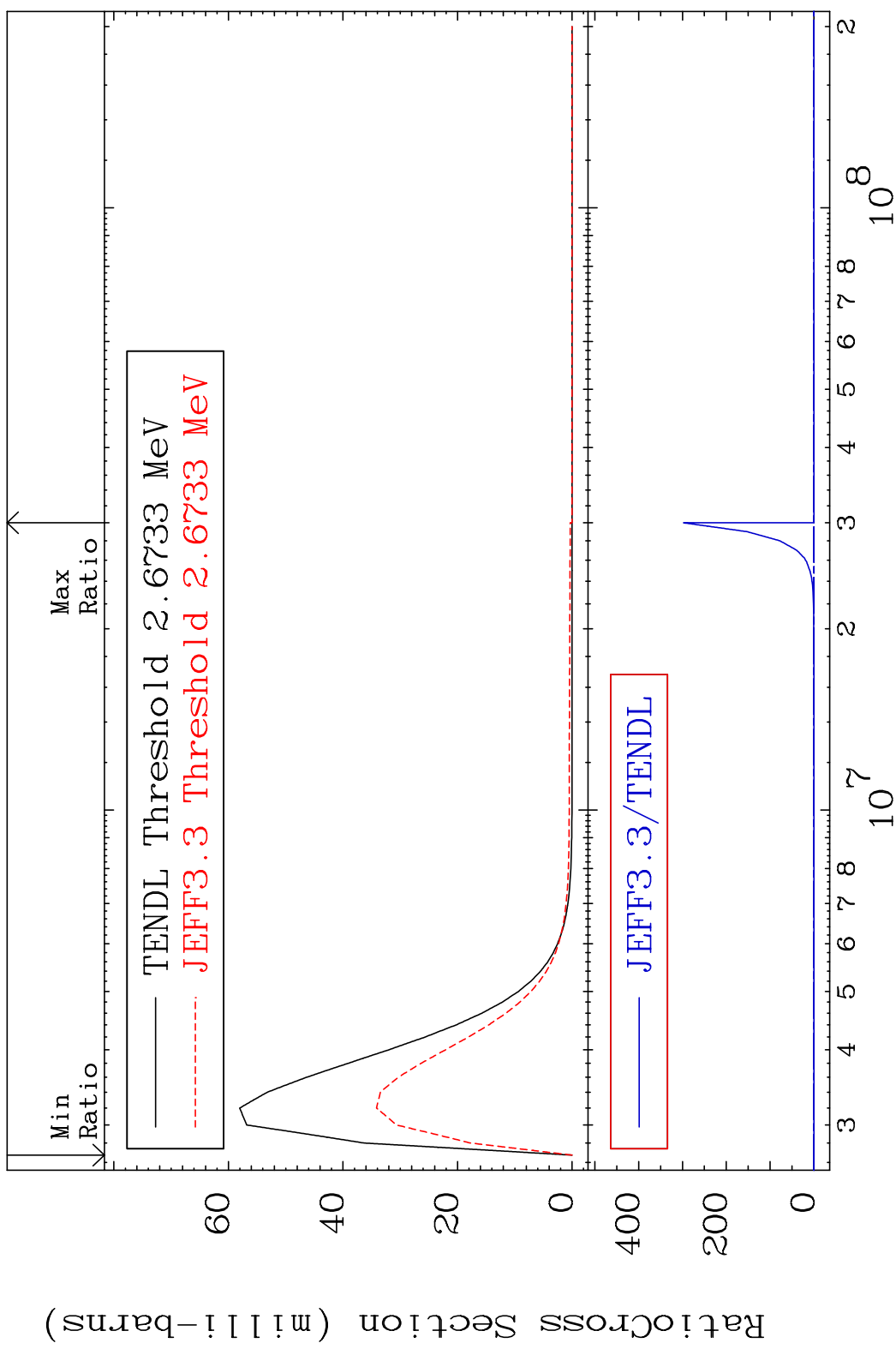
MAT 5055 MT= 60 (n, n') Level 50-Sn-122  
 Cross Section -100.0 To 9.579 %



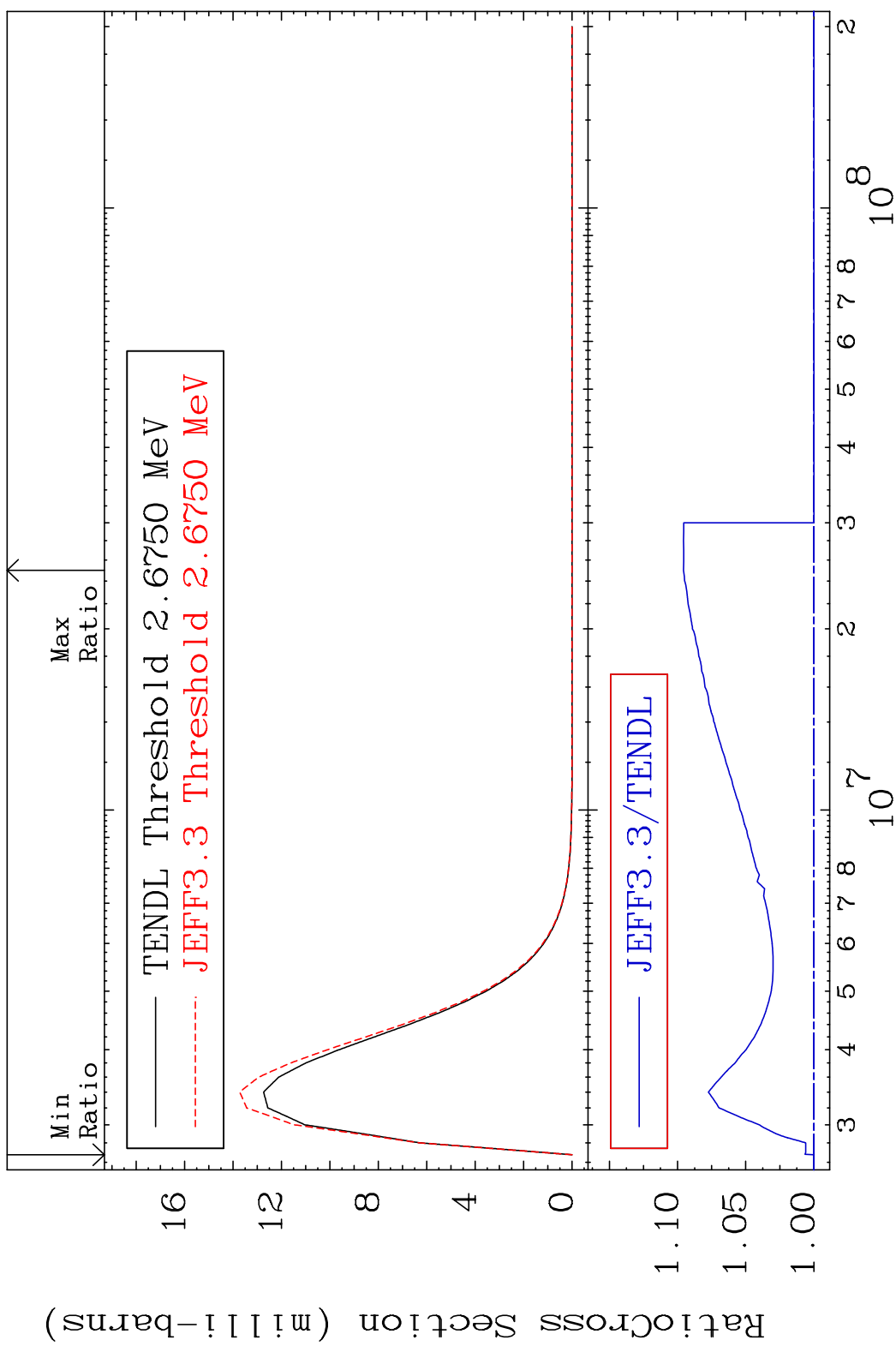
MAT 5055 MT= 61 (n, n') Level 50-Sn-122  
 Cross Section -1.616 To 7.987 %



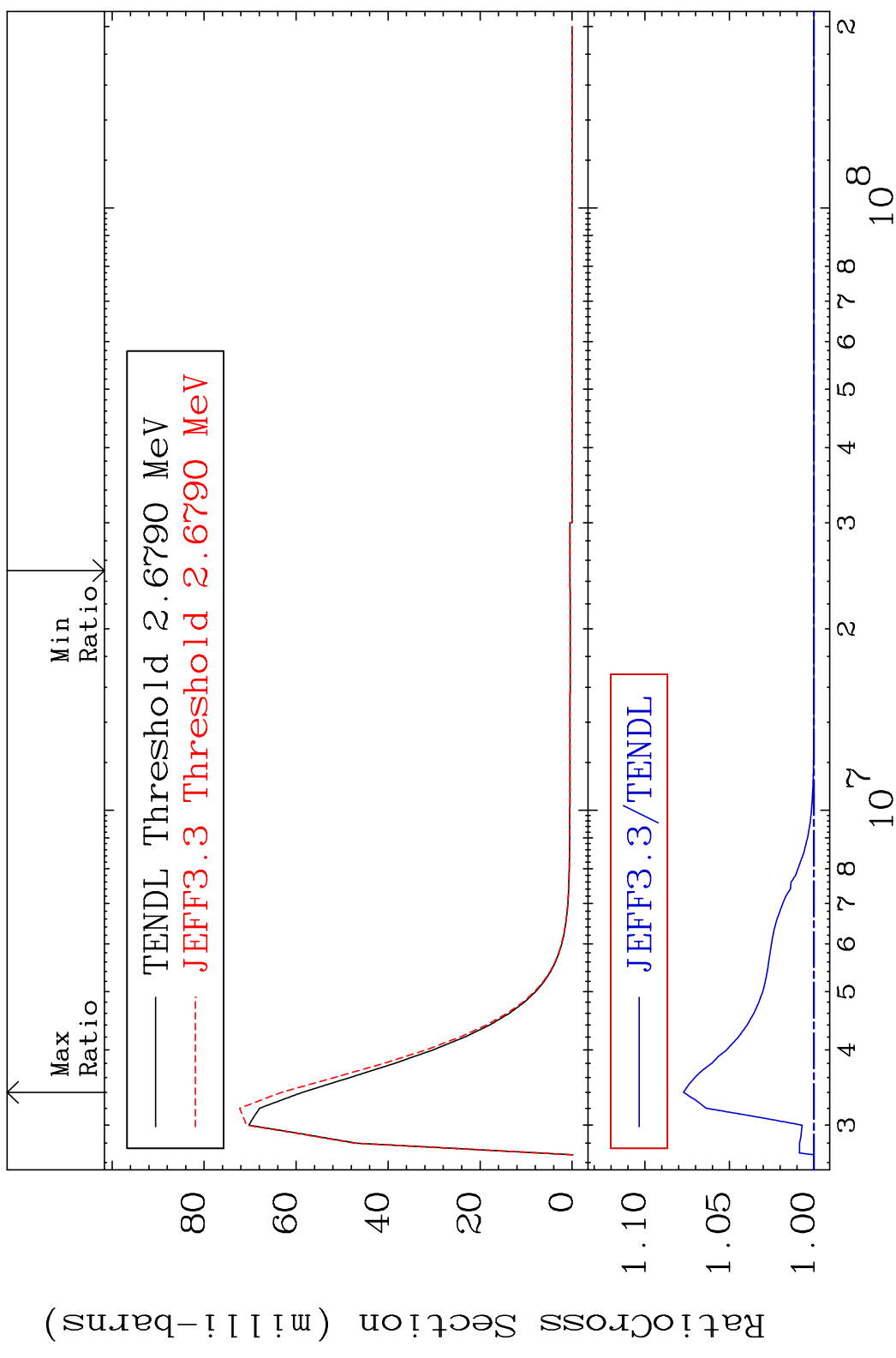
MAT 5055 MT= 62 (n, n') Level 50-Sn-122  
 Cross Section -100.0 To 9999. %



MAT 5055 MT= 63 (n, n') Level 50-Sn-122  
 Cross Section 0.000 To 9.568 %

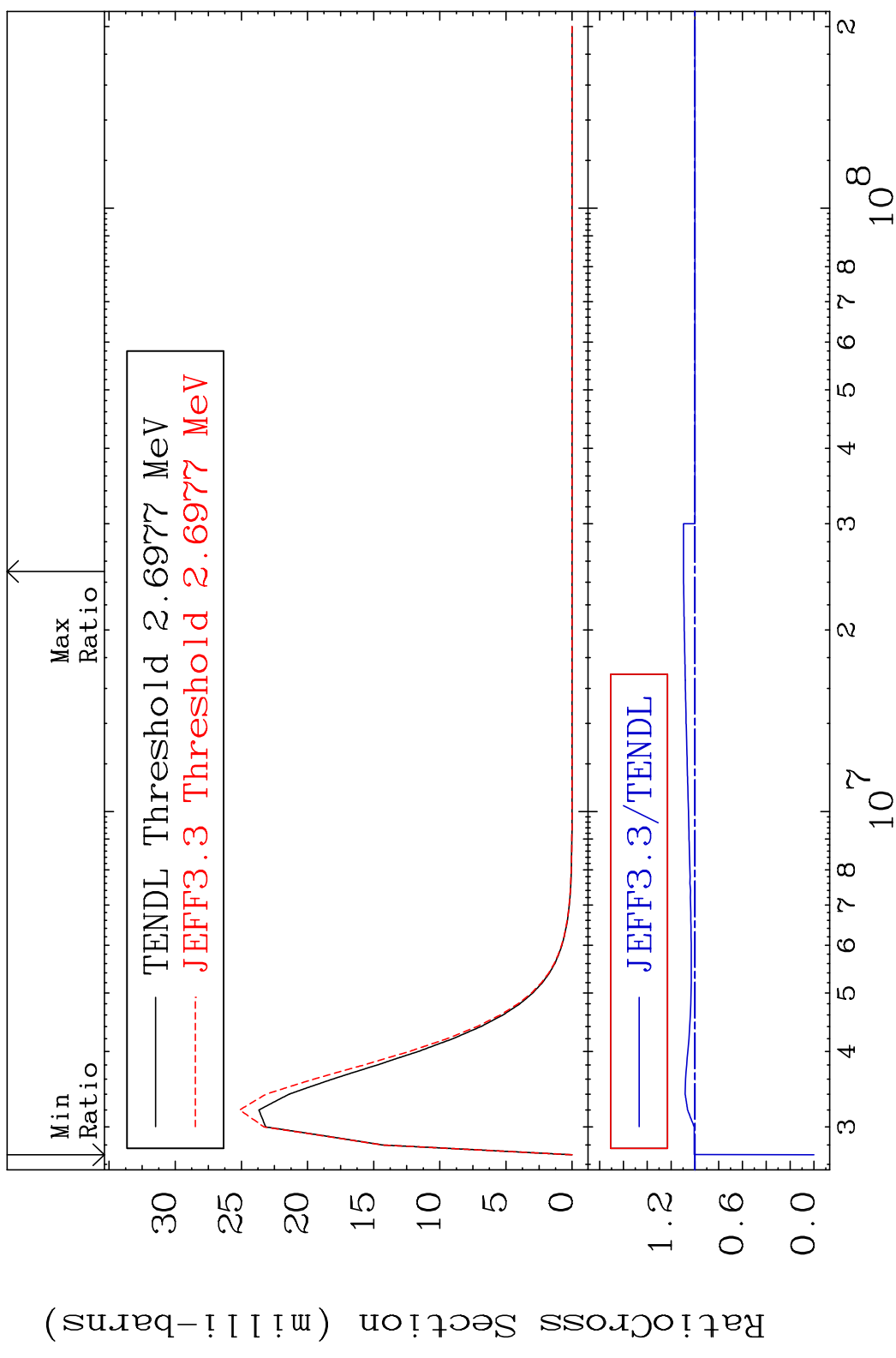


MAT 5055 MT= 64 (n, n') Level 50-Sn-122  
 Cross Section 0.000 To 7.717 %



30 Incident Energy (eV) 50-Sn-122

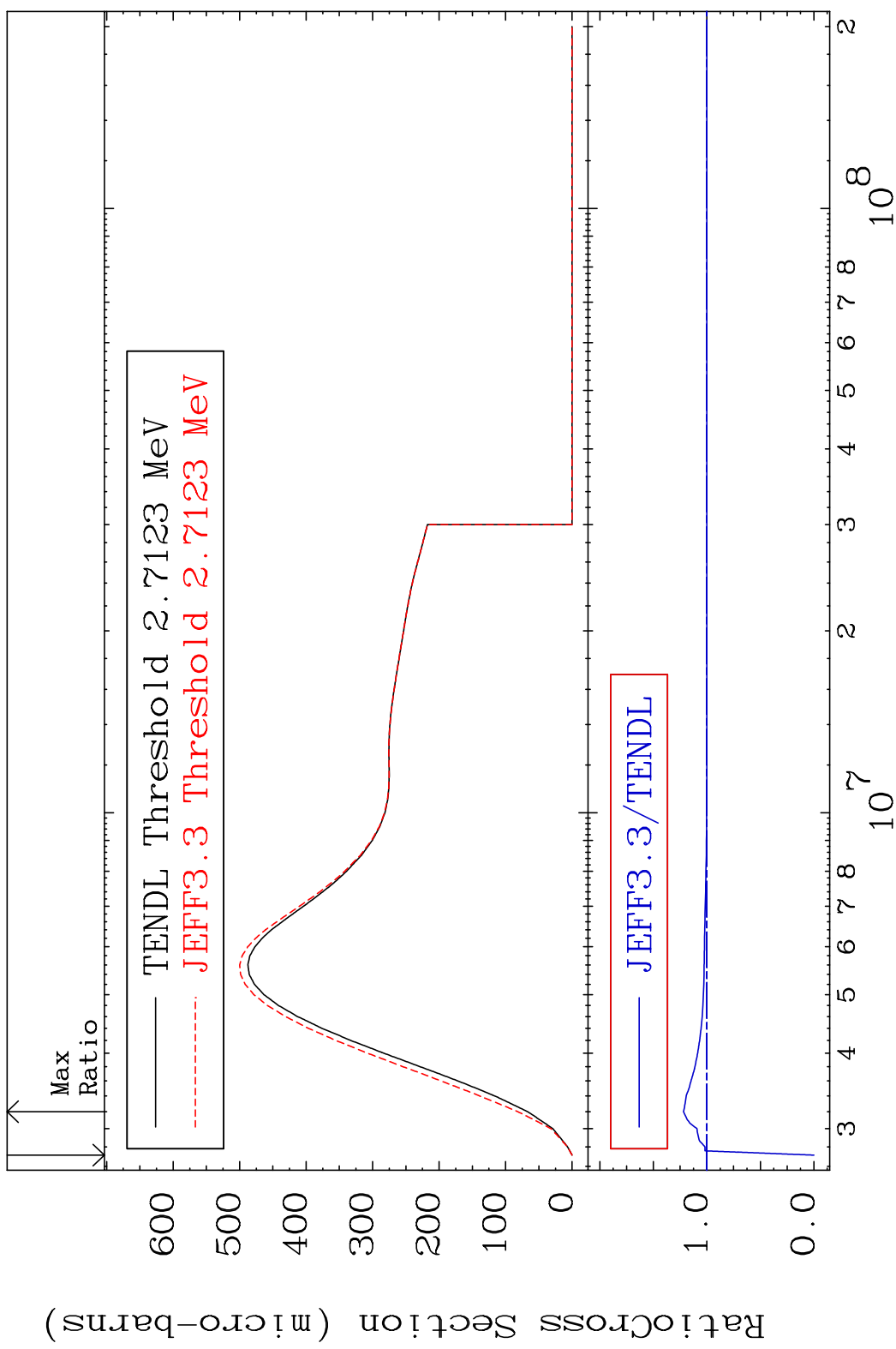
MAT 5055 MT= 65 (n, n') Level 50-Sn-122  
 Cross Section -100.0 To 9.579 %



31 Incident Energy (eV) 50-Sn-122

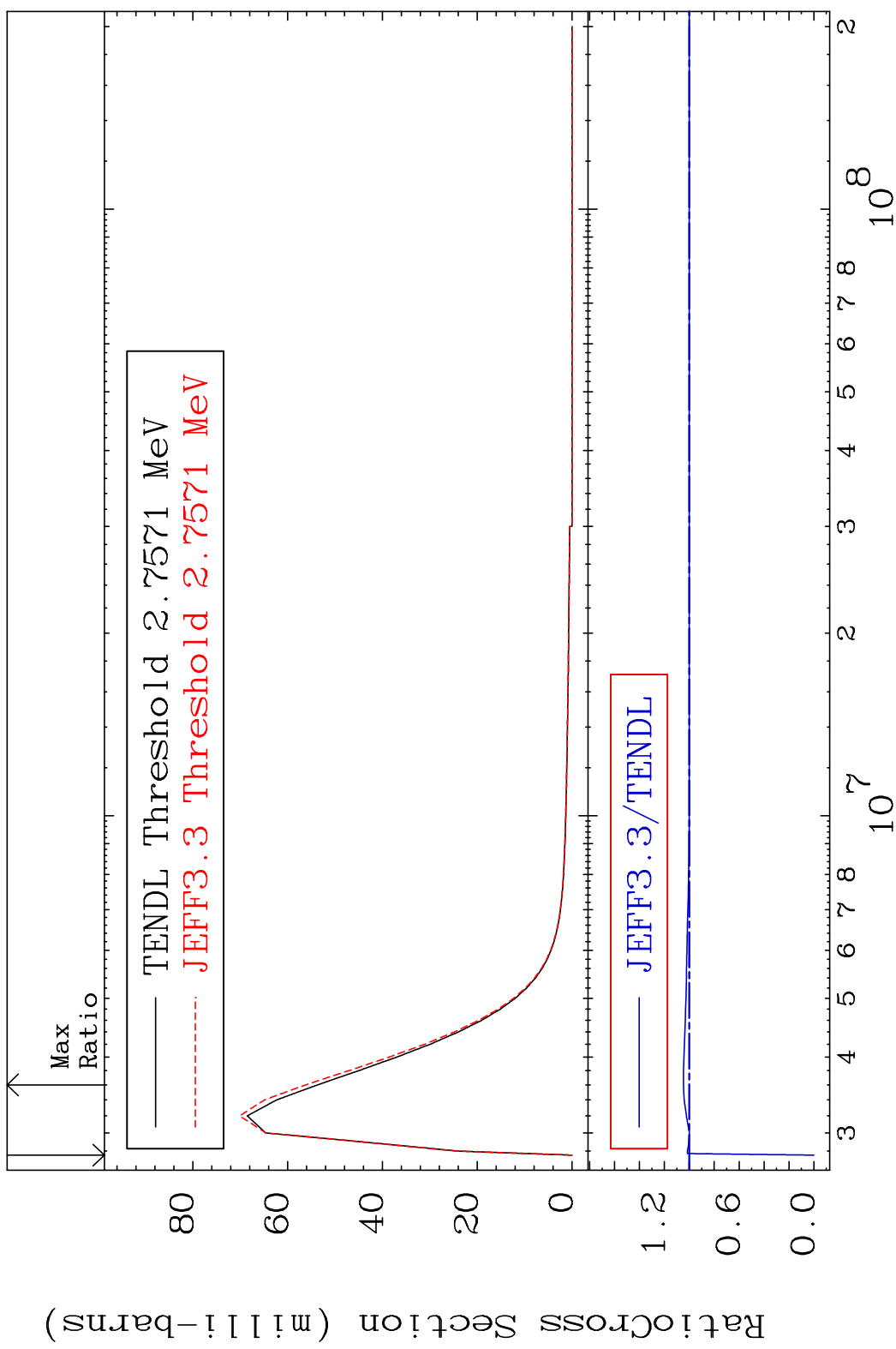


MAT 5055 MT= 66 (n, n') Level 50-Sn-122  
 Cross Section -100.0 To 21.87 %



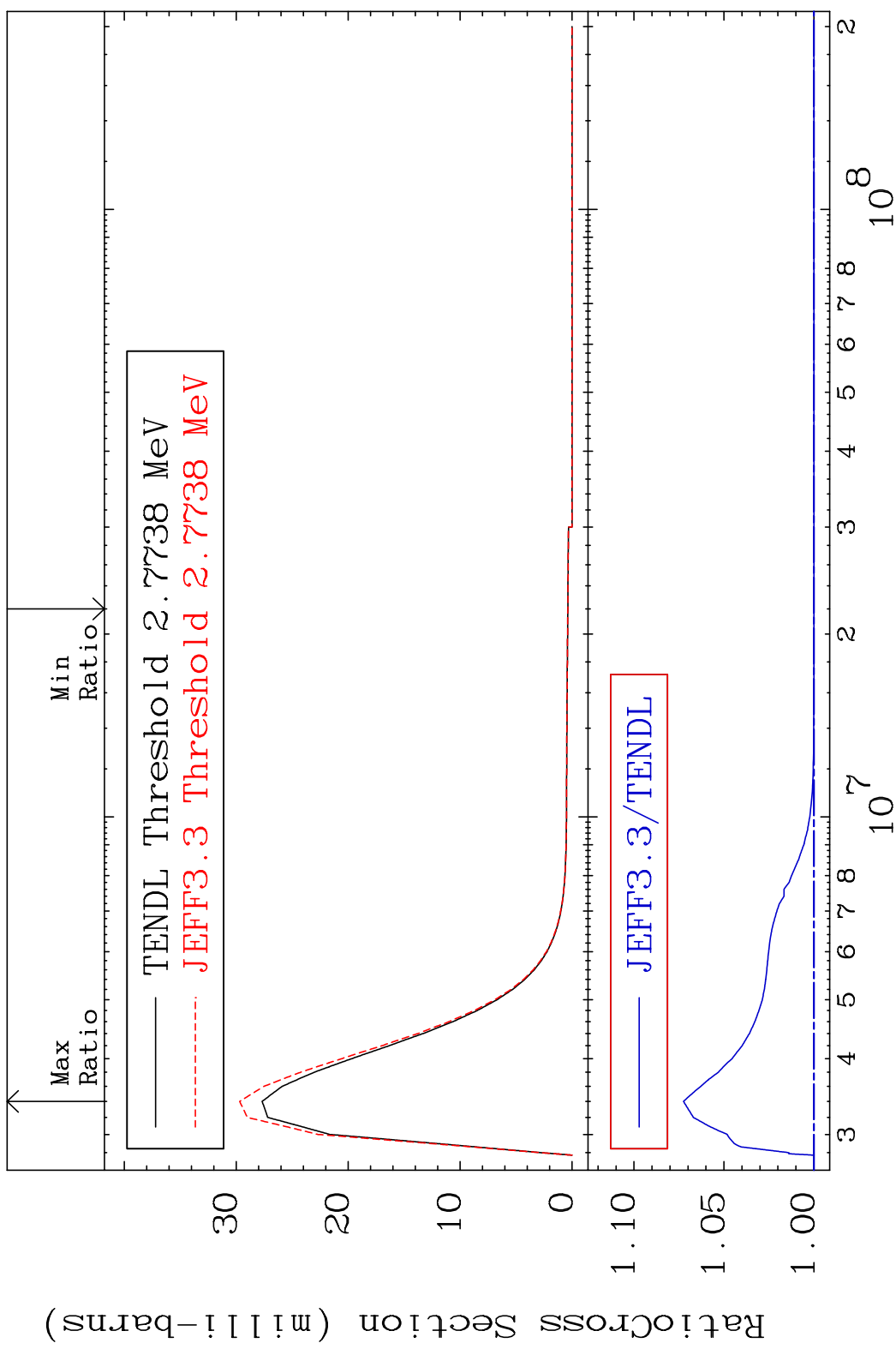
32 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 67 (n, n') Level 50-Sn-122  
 Cross Section -100.0 To 4.679 %

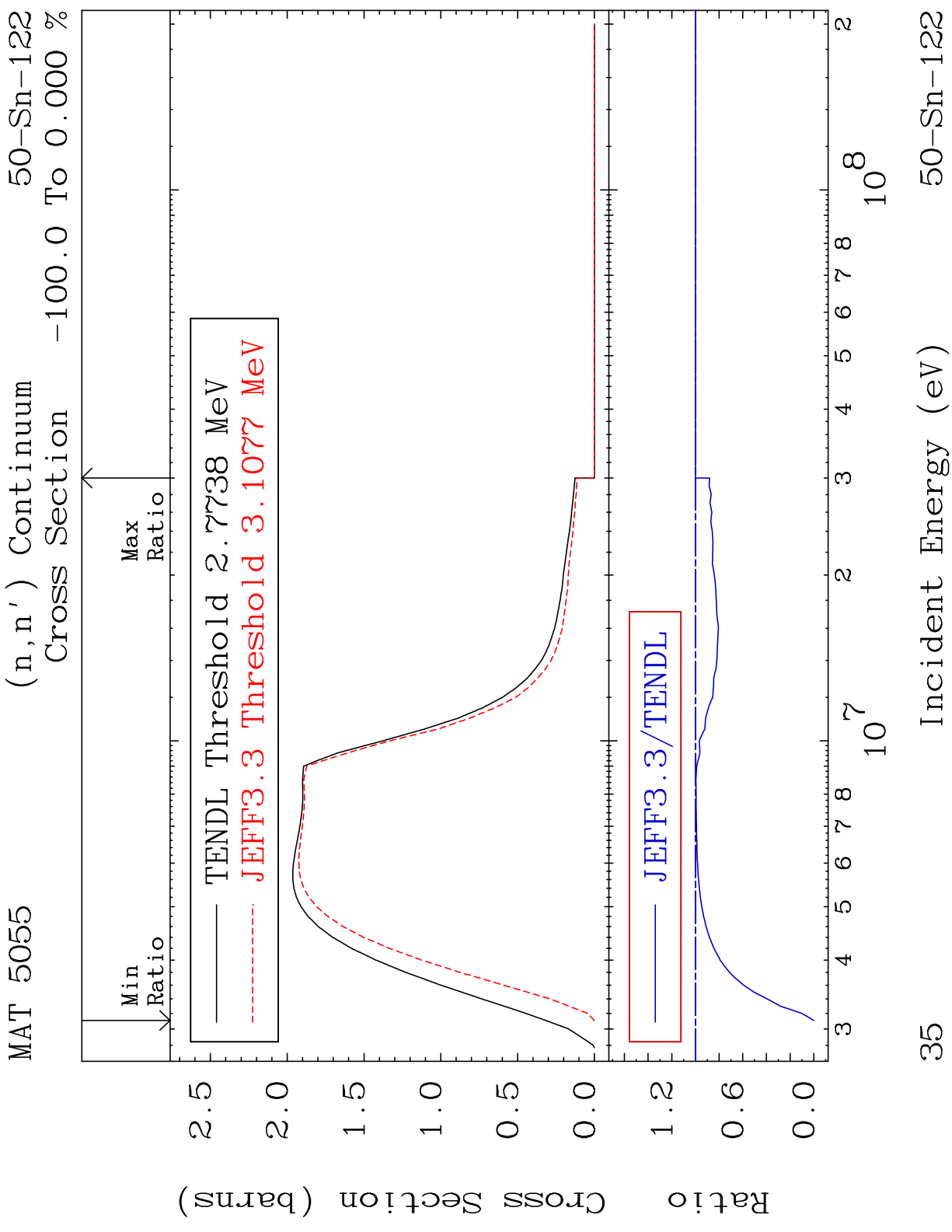


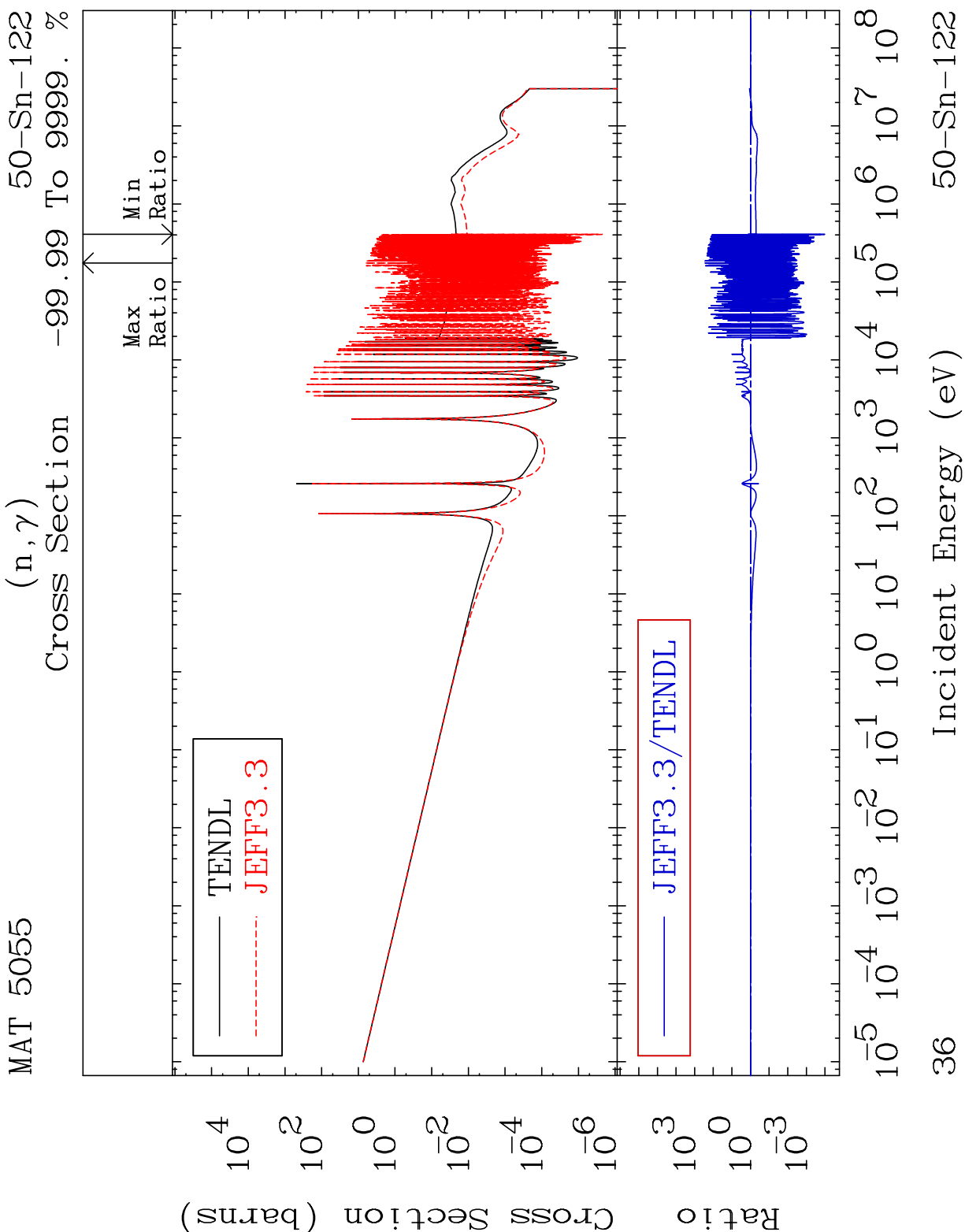
33 Incident Energy (eV) 50-Sn-122

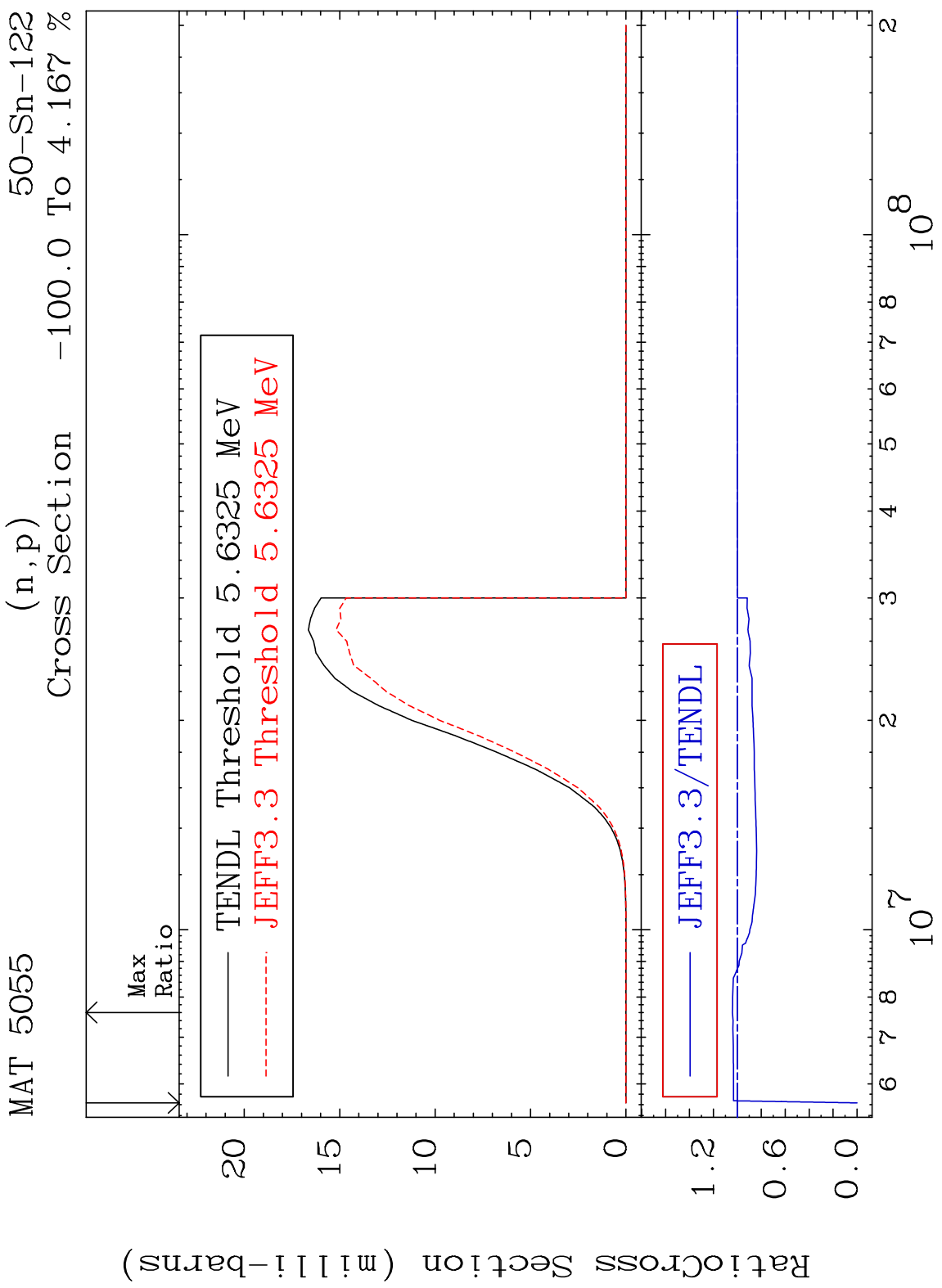
MAT 5055 MT= 68 (n, n') Level 50-Sn-122  
 Cross Section 0.000 To 7.252 %



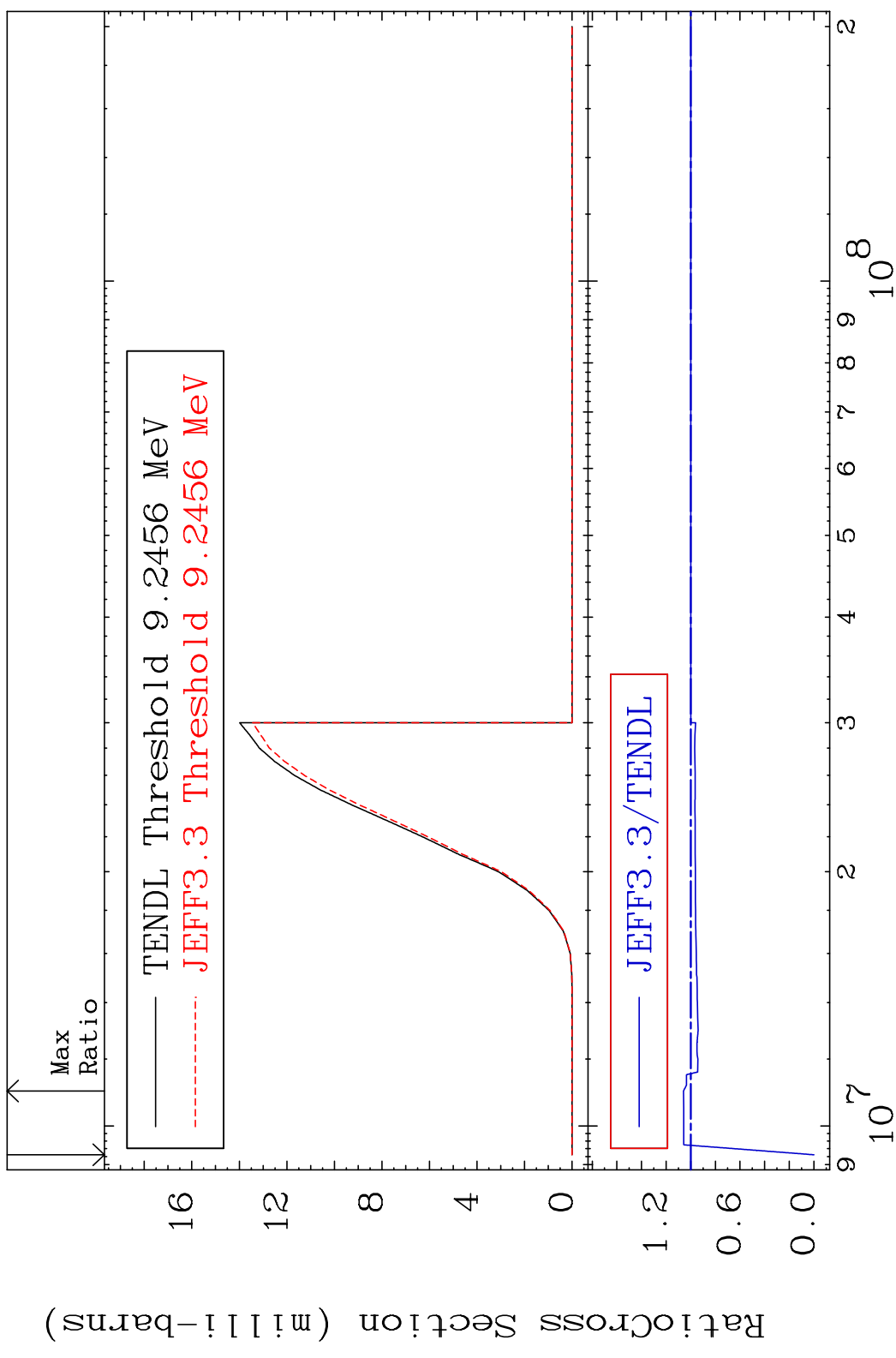
34 Incident Energy (eV) 50-Sn-122



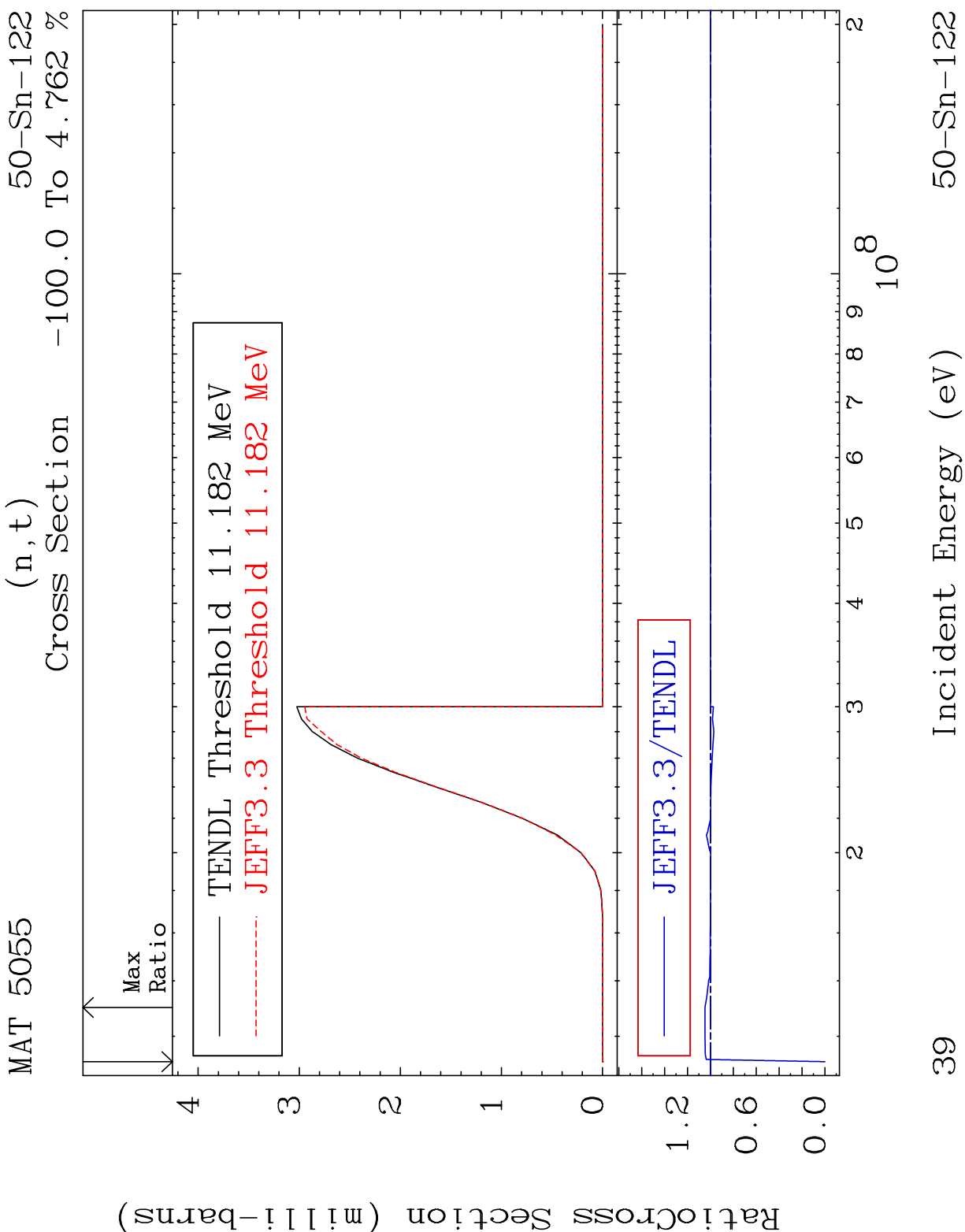




MAT 5055 (n, d) 50-Sn-122  
 Cross Section -100.0 To 5.916 %

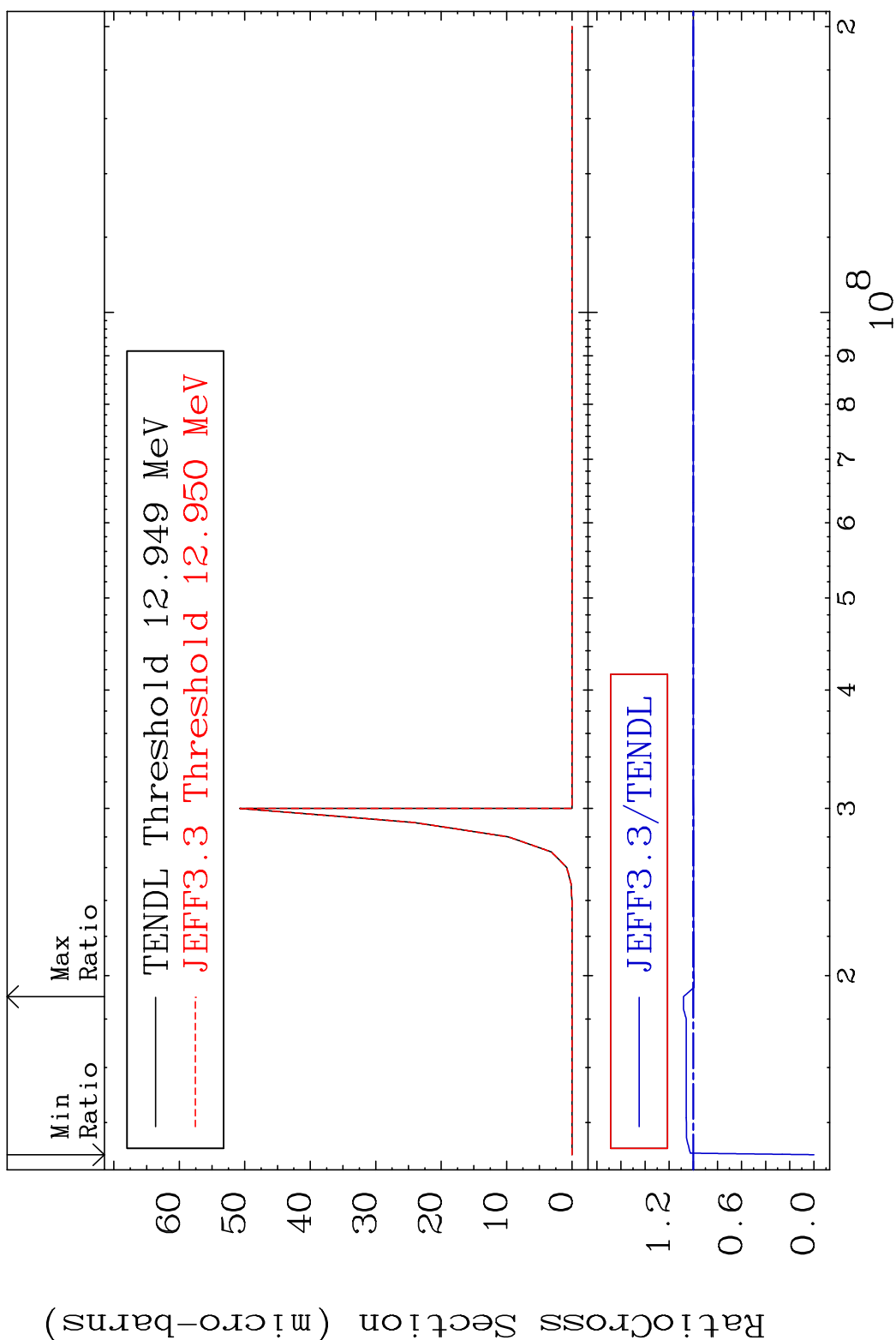


38 50-Sn-122

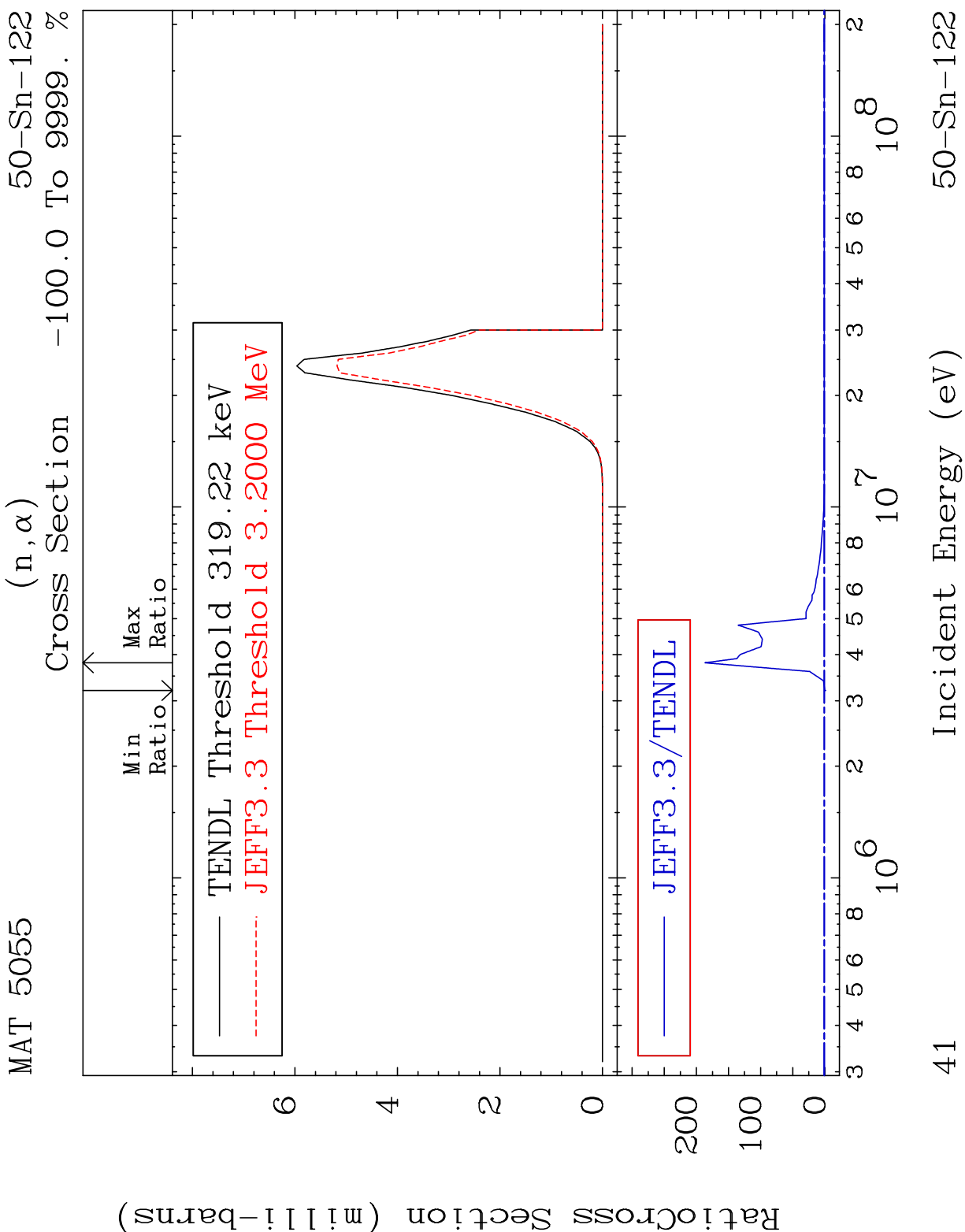


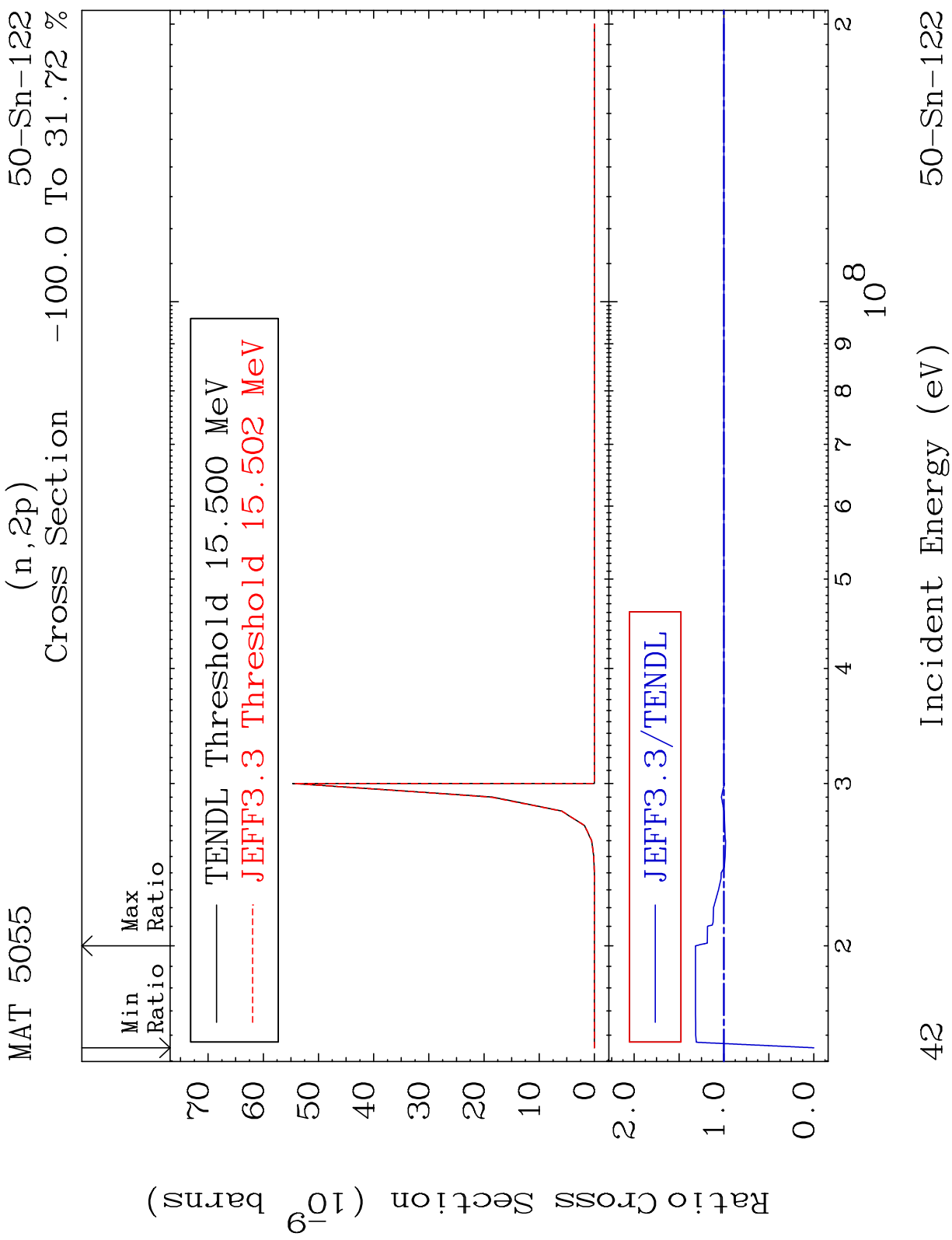


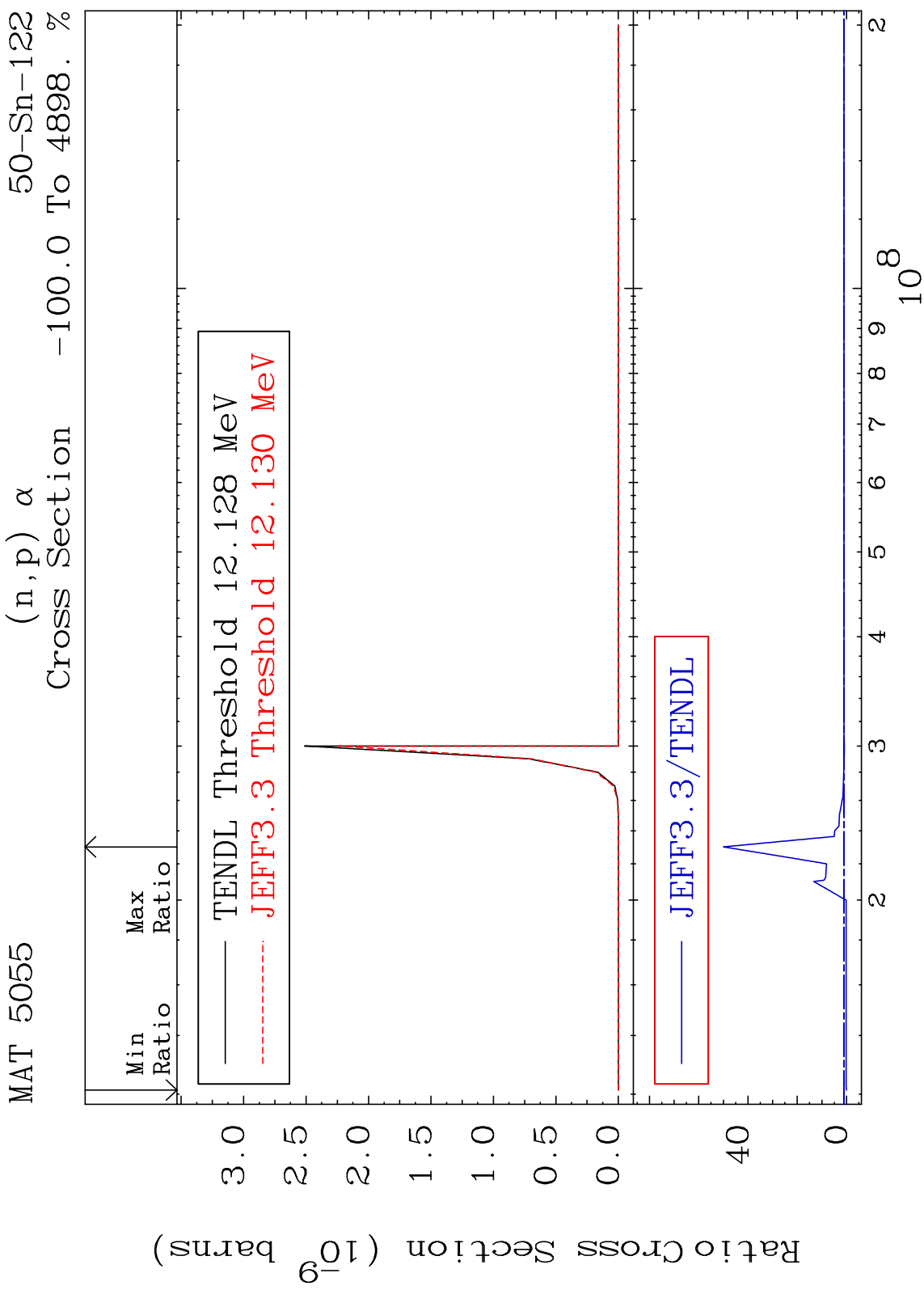
MAT 5055 (n, He-3) 50-Sn-122  
 Cross Section -100.0 To 8.177 %



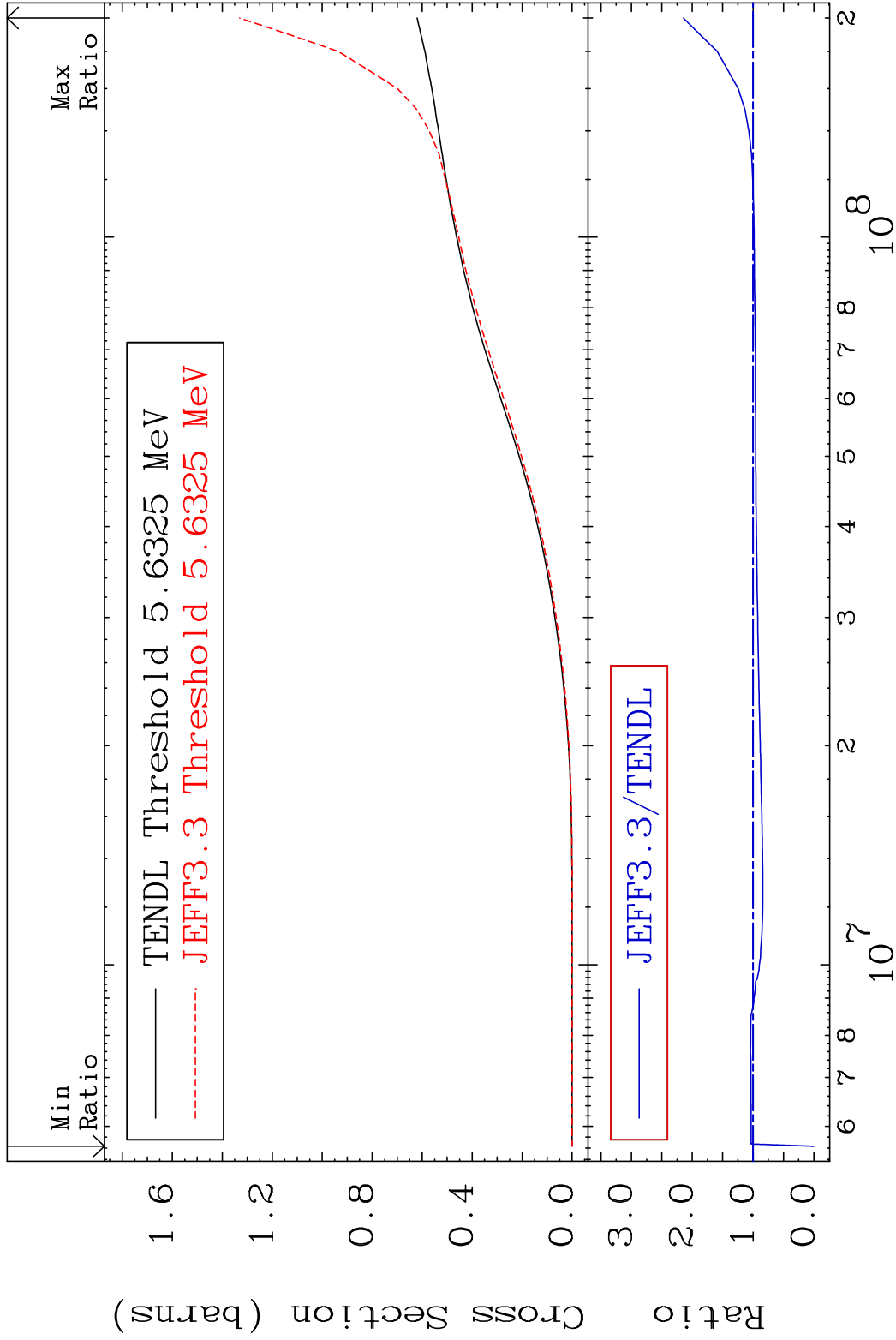
40 Incident Energy (eV) 50-Sn-122



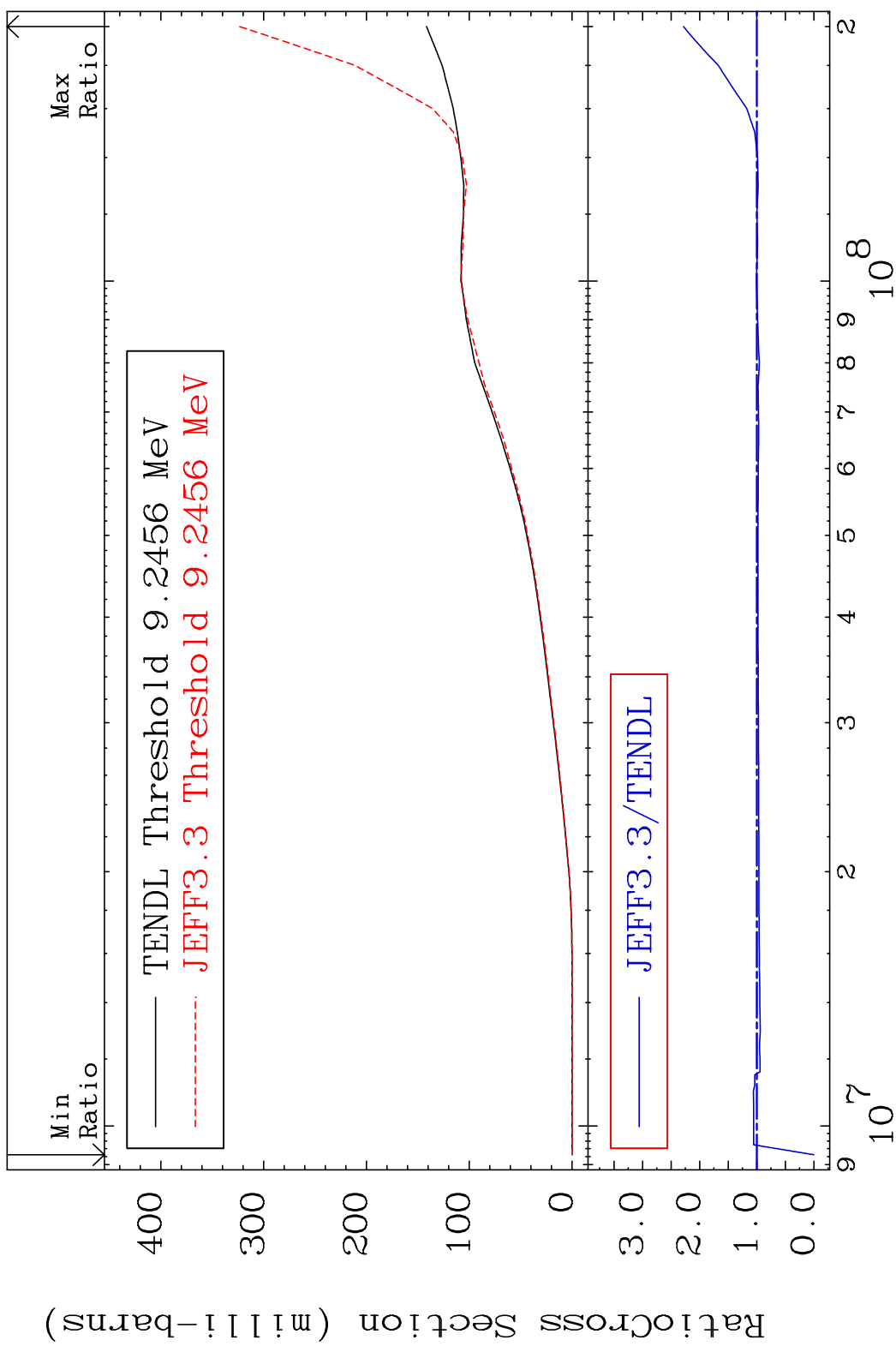




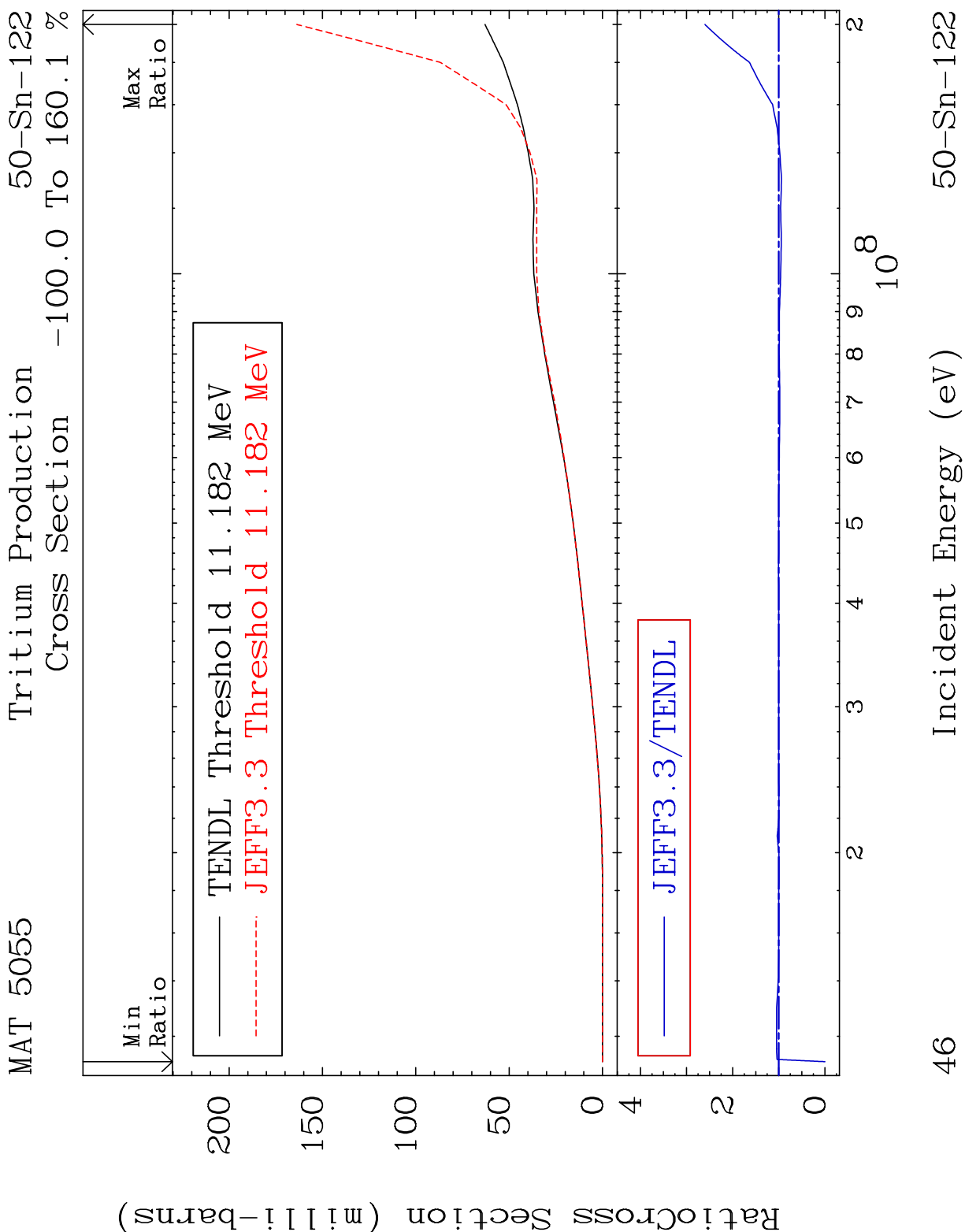
MAT 5055 Hydrogen Production 50-Sn-122  
 Cross Section -100.0 To 114.4 %

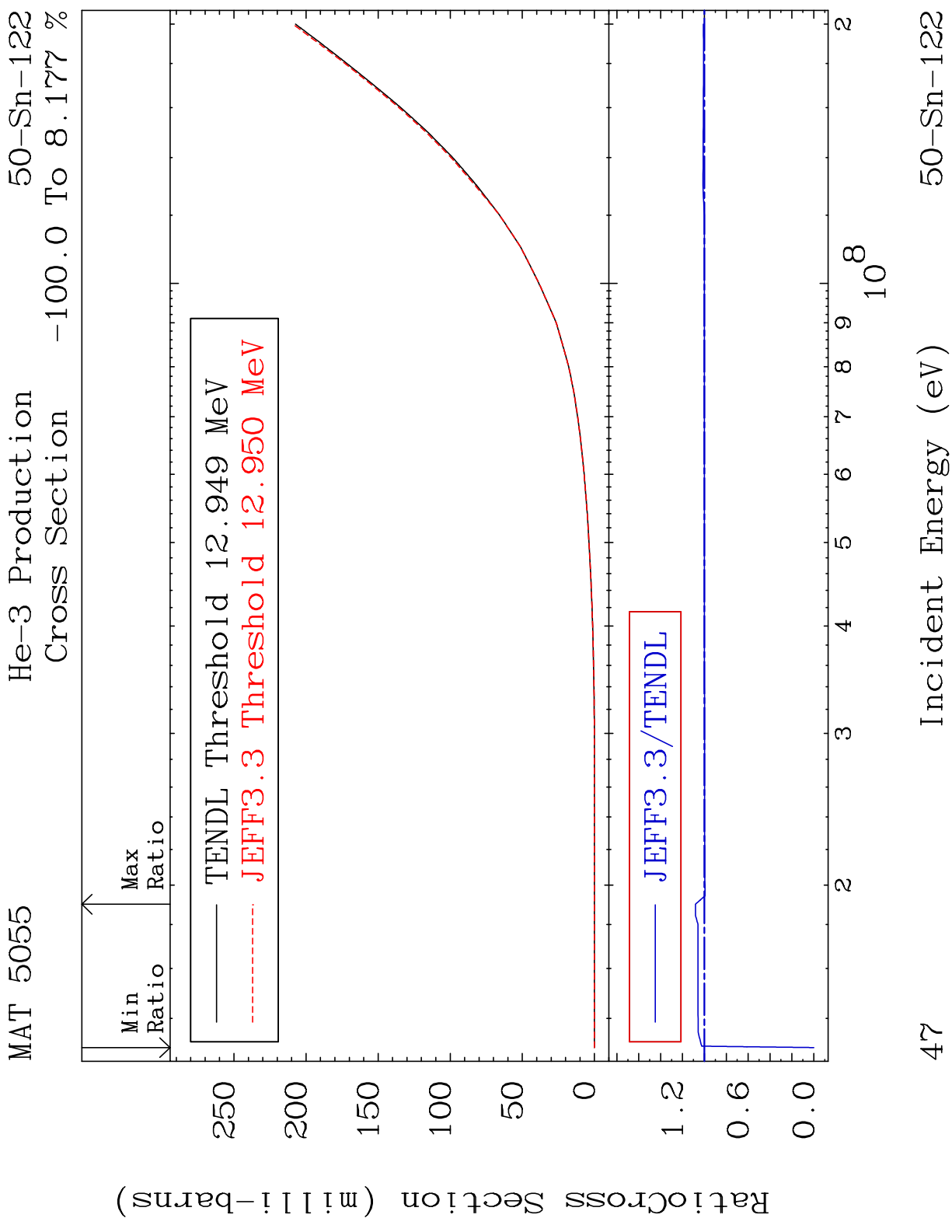


MAT 5055 Deuterium Production 50-Sn-122  
 Cross Section -100.0 To 128.3 %



45 50-Sn-122





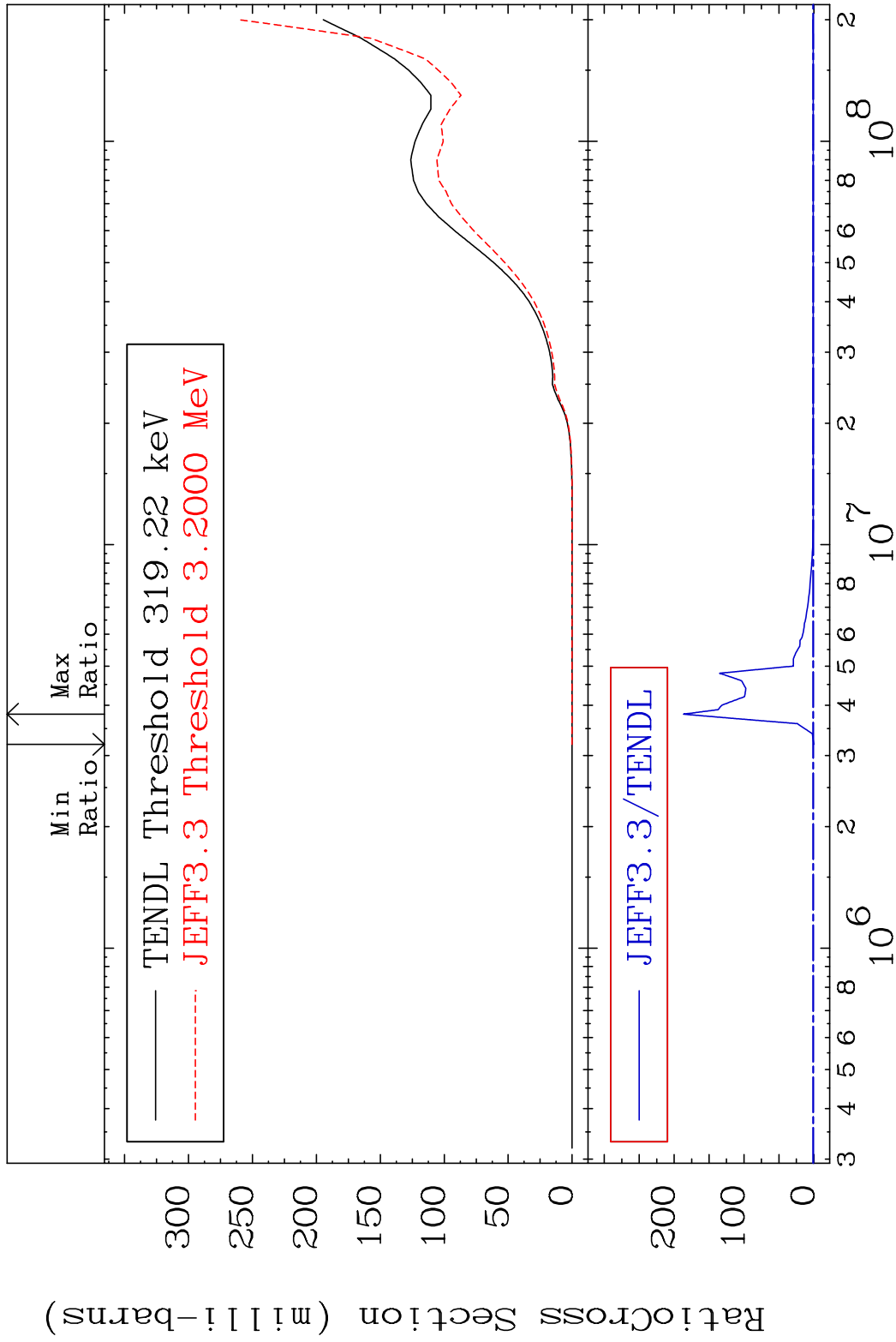


MAT 5055

He-4 Production

50-Sn-122

Cross Section -100.0 To 9999. %

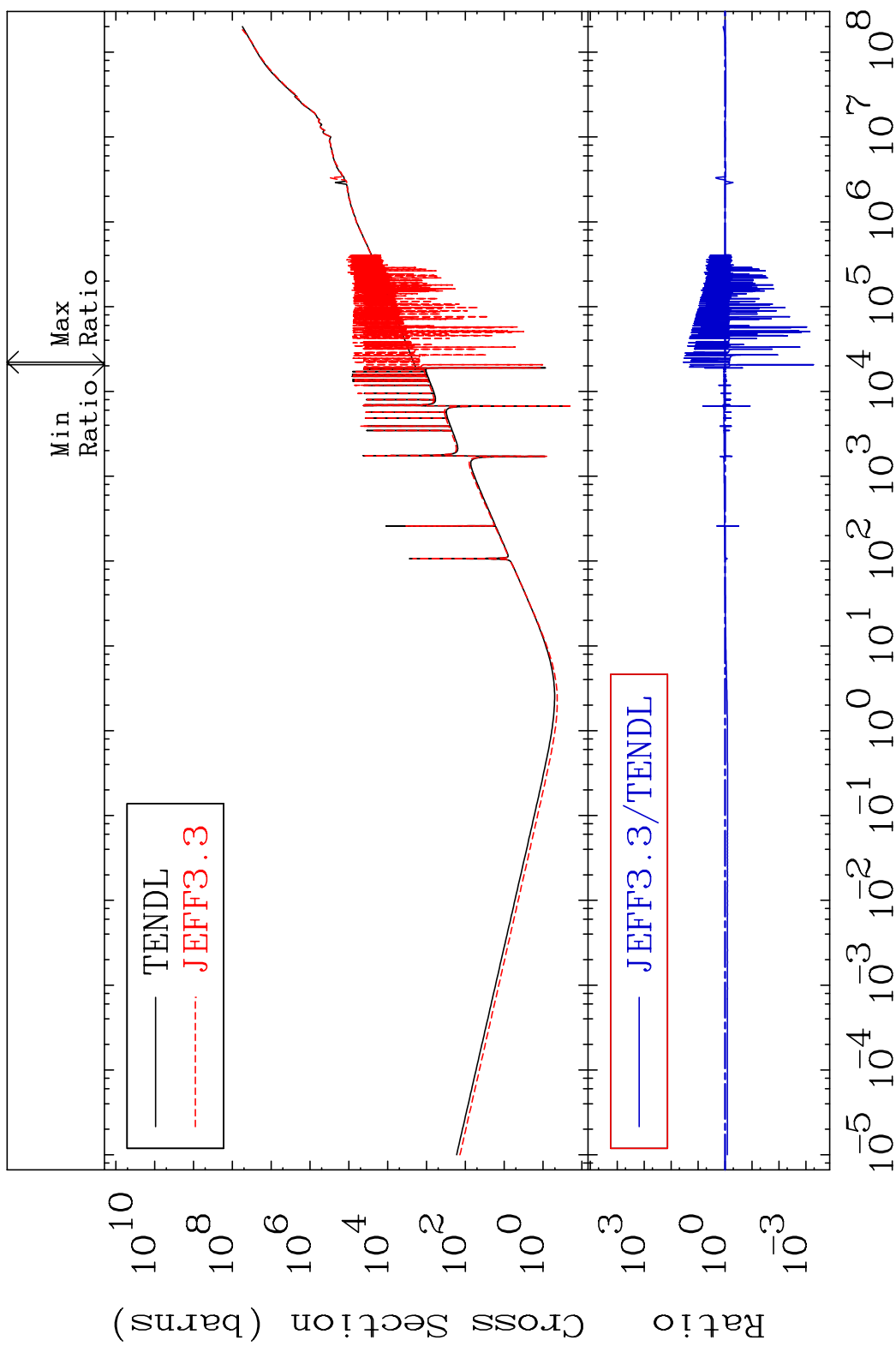


48

Incident Energy (eV)

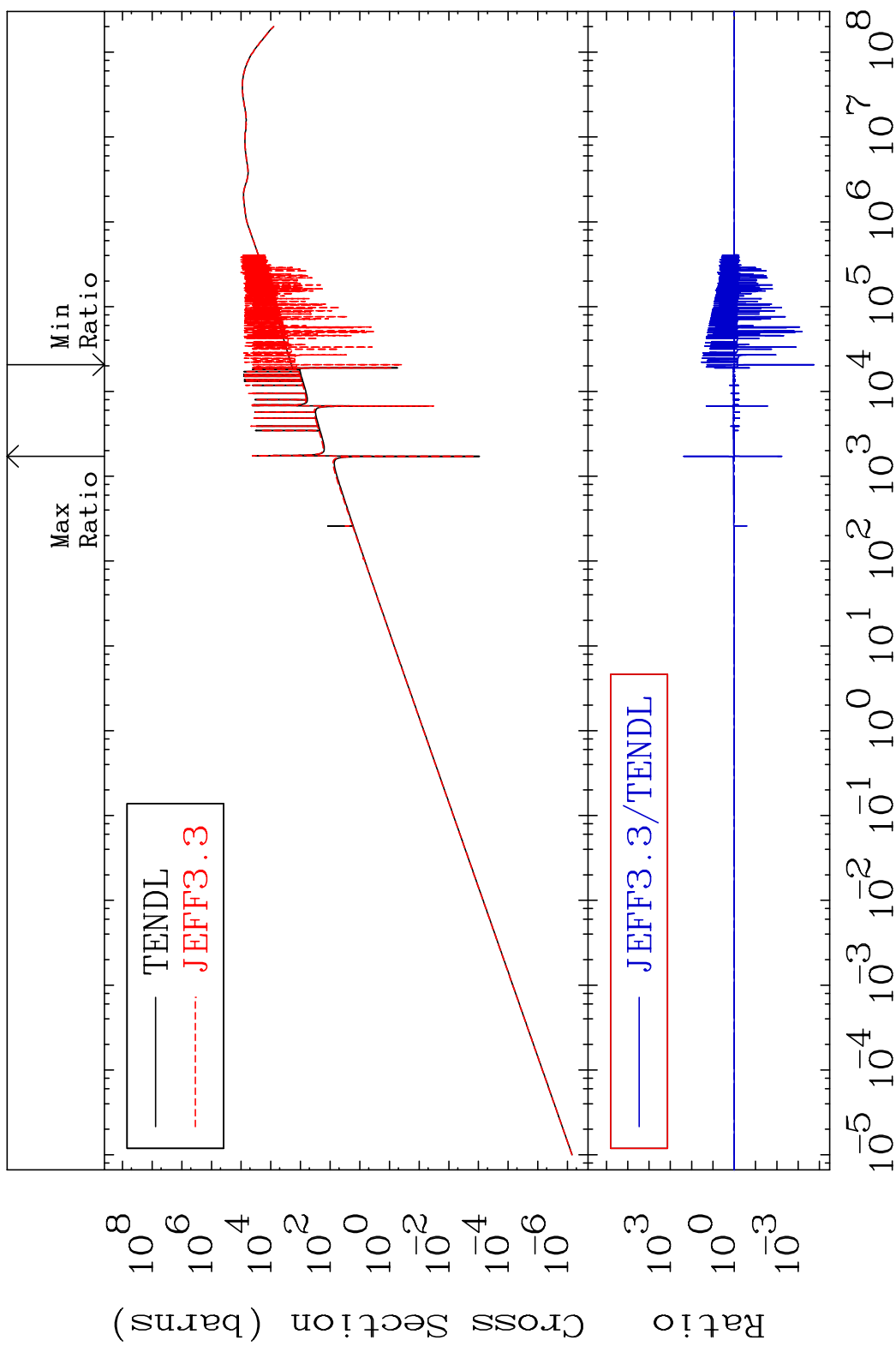
50-Sn-122

MAT 5055 Kerma total (eV-barns) 50-Sn-122  
 Cross Section -99.95 To 3421. %



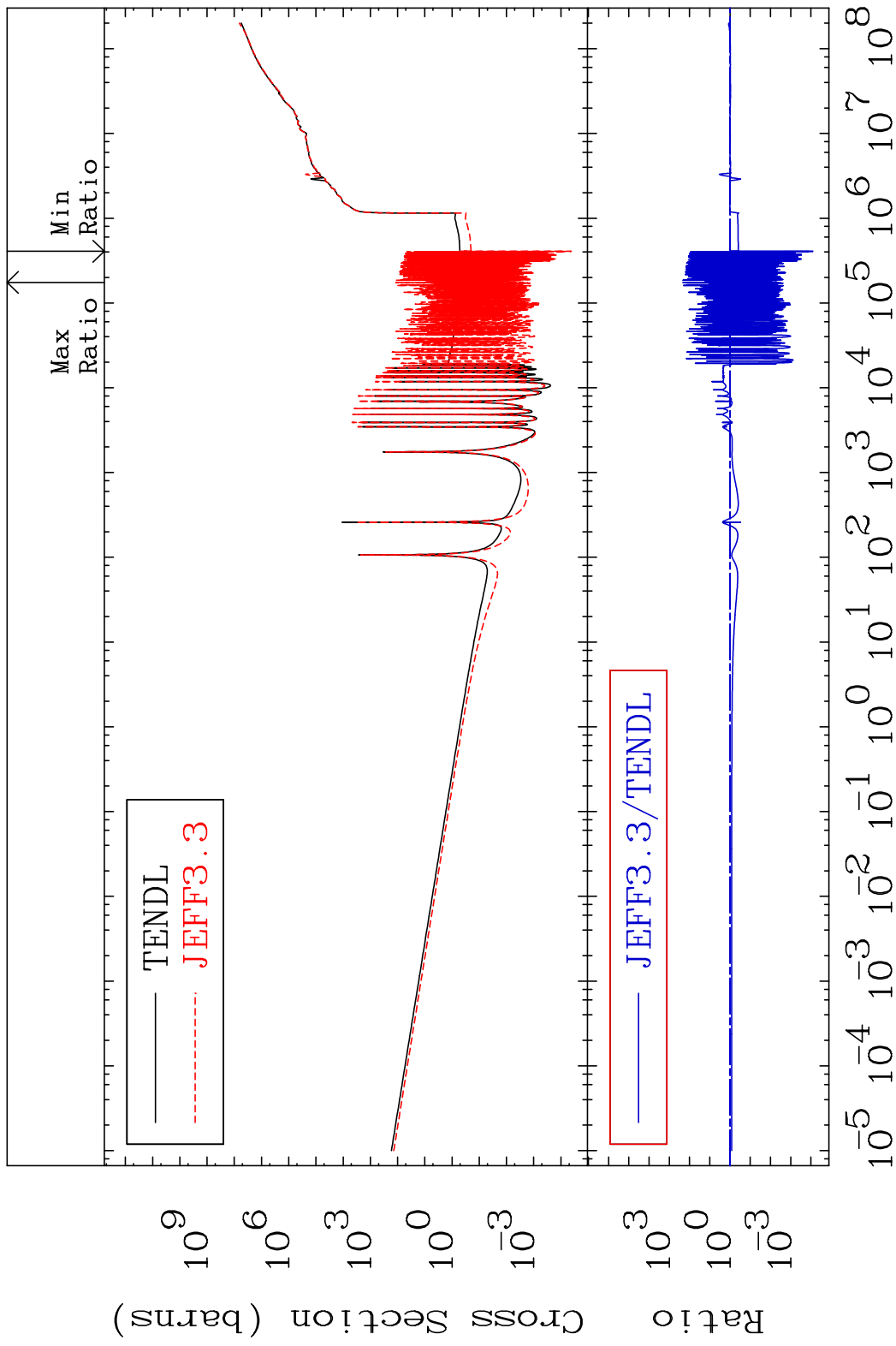
49 Incident Energy (eV) 50-Sn-122

MAT 5055 Kerma elastic Cross Section 50-Sn-122  
-99.98 To 9999. %



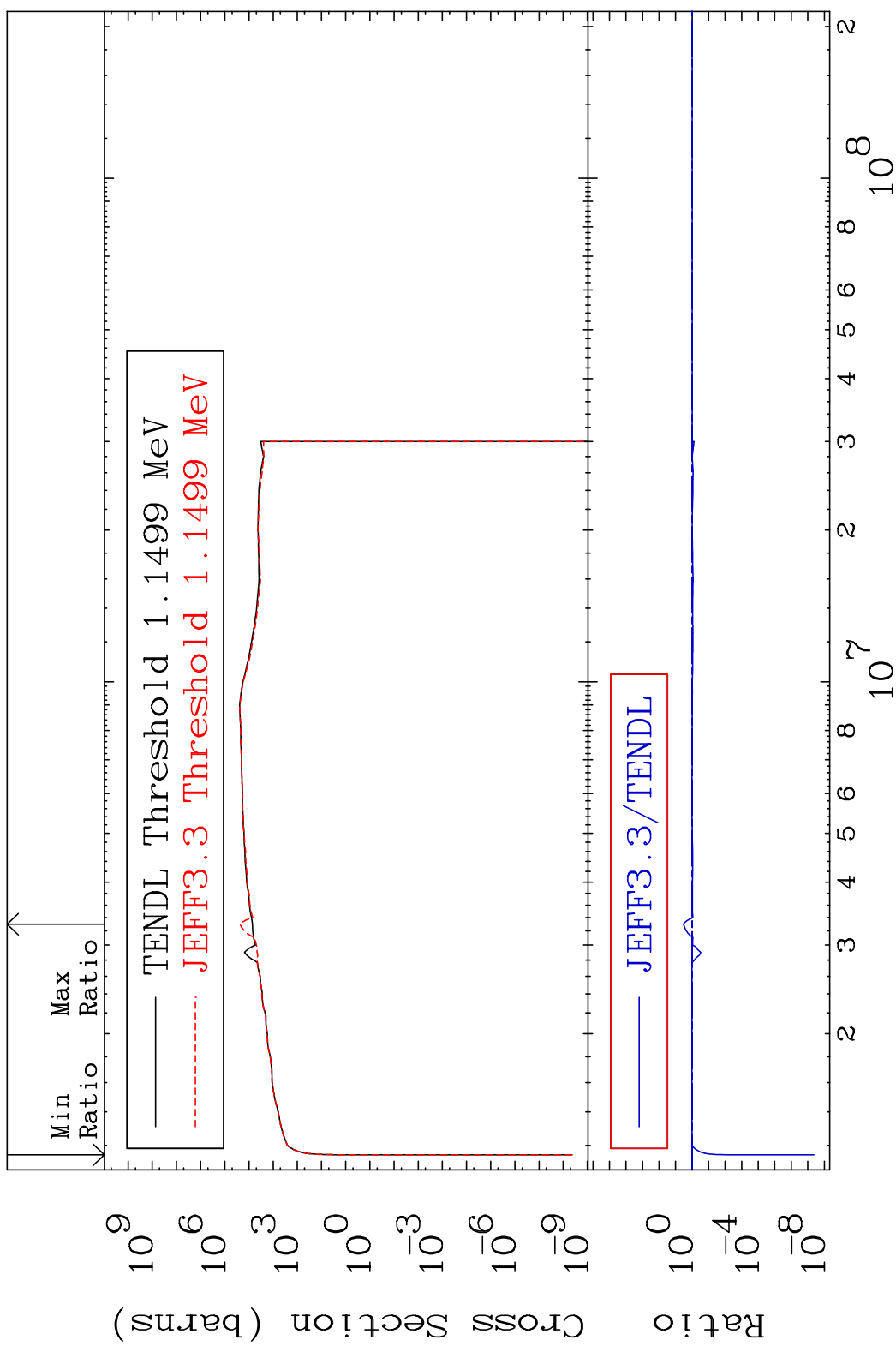
50 Incident Energy (eV) 50-Sn-122

MAT 5055 Kerma non-elastic (all but mt2) 50-Sn-122  
 Cross Section -99.99 To 9999. %

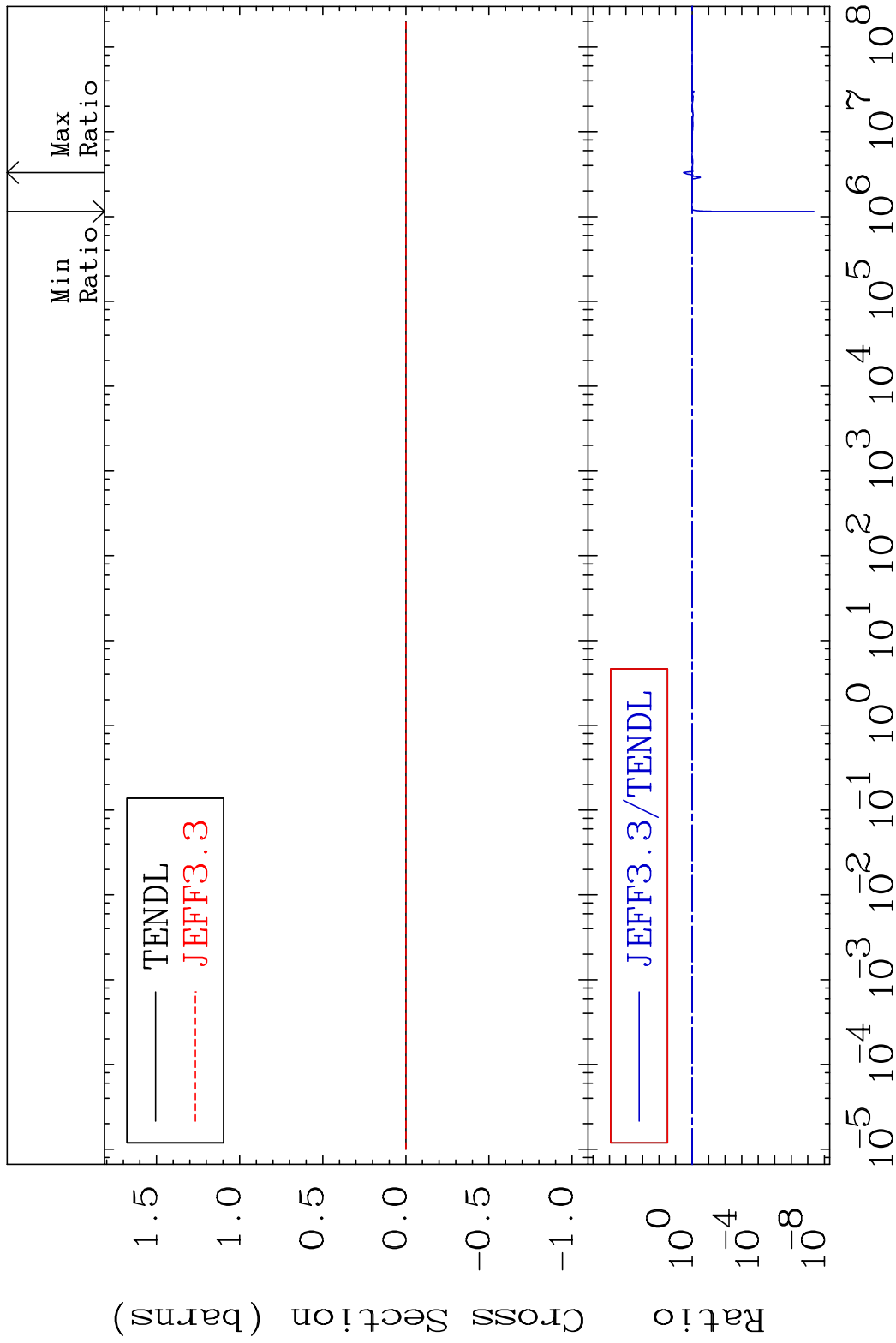


51 Incident Energy (eV) 50-Sn-122

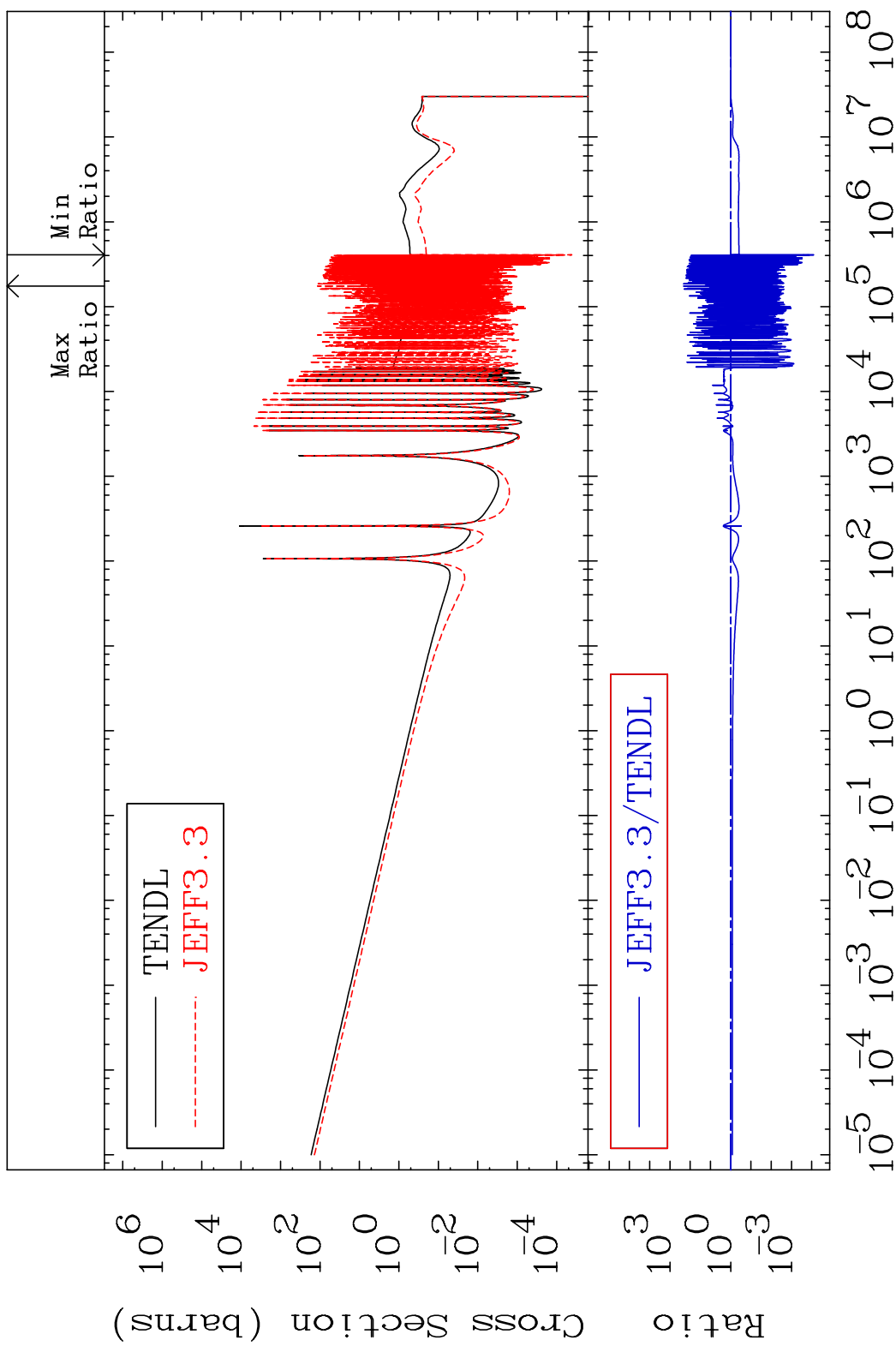
MAT 5055 Kerma inelastic (mt51-91) 50-Sn-122  
 Cross Section -100.0 To 233.1 %



MAT 5055 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-122  
 Cross Section -100.0 To 233.1 %

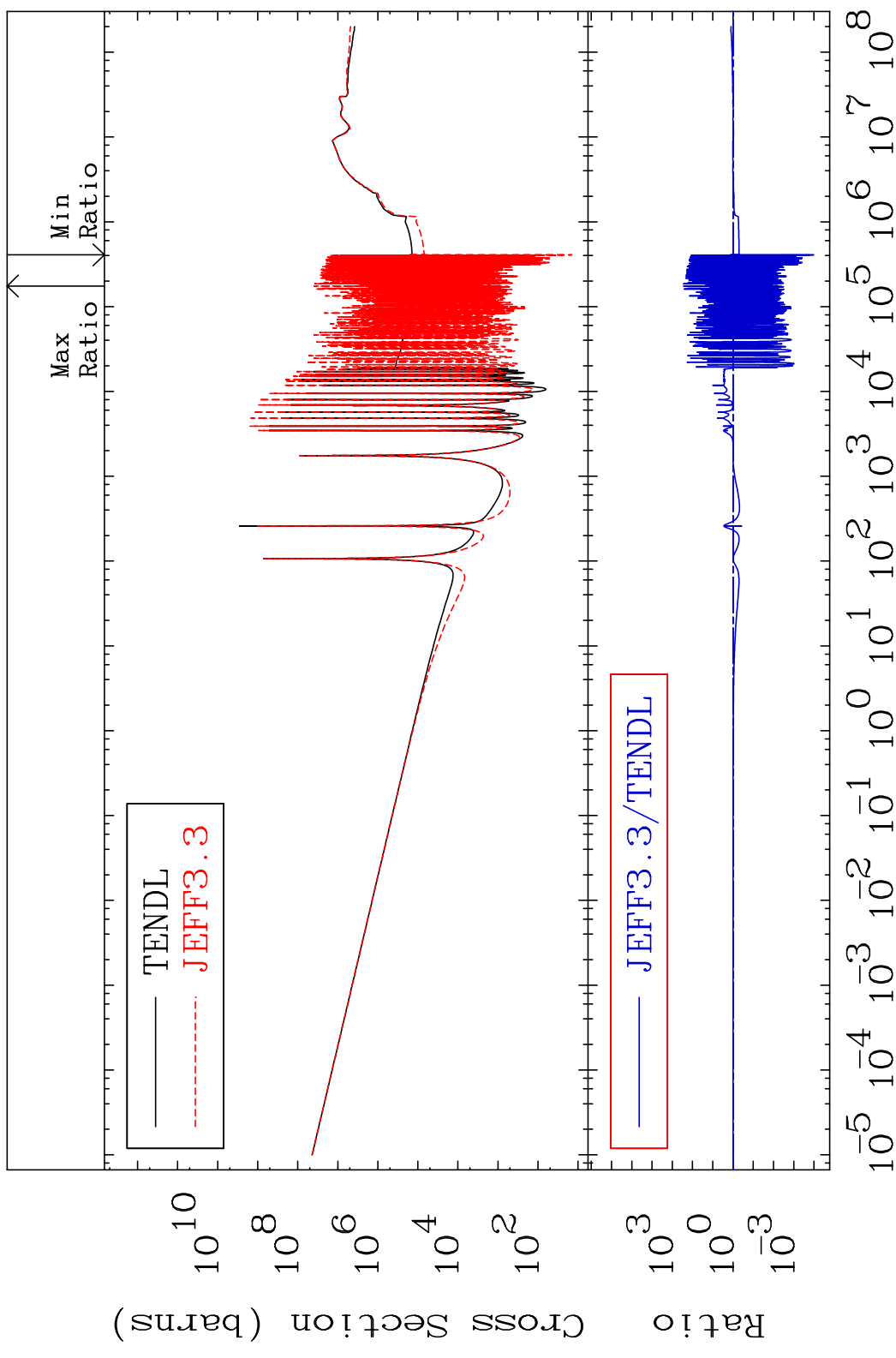


MAT 5055 Kerma capture (mt102) 50-Sn-122  
 Cross Section -99.99 To 9999. %



54 Incident Energy (eV) 50-Sn-122

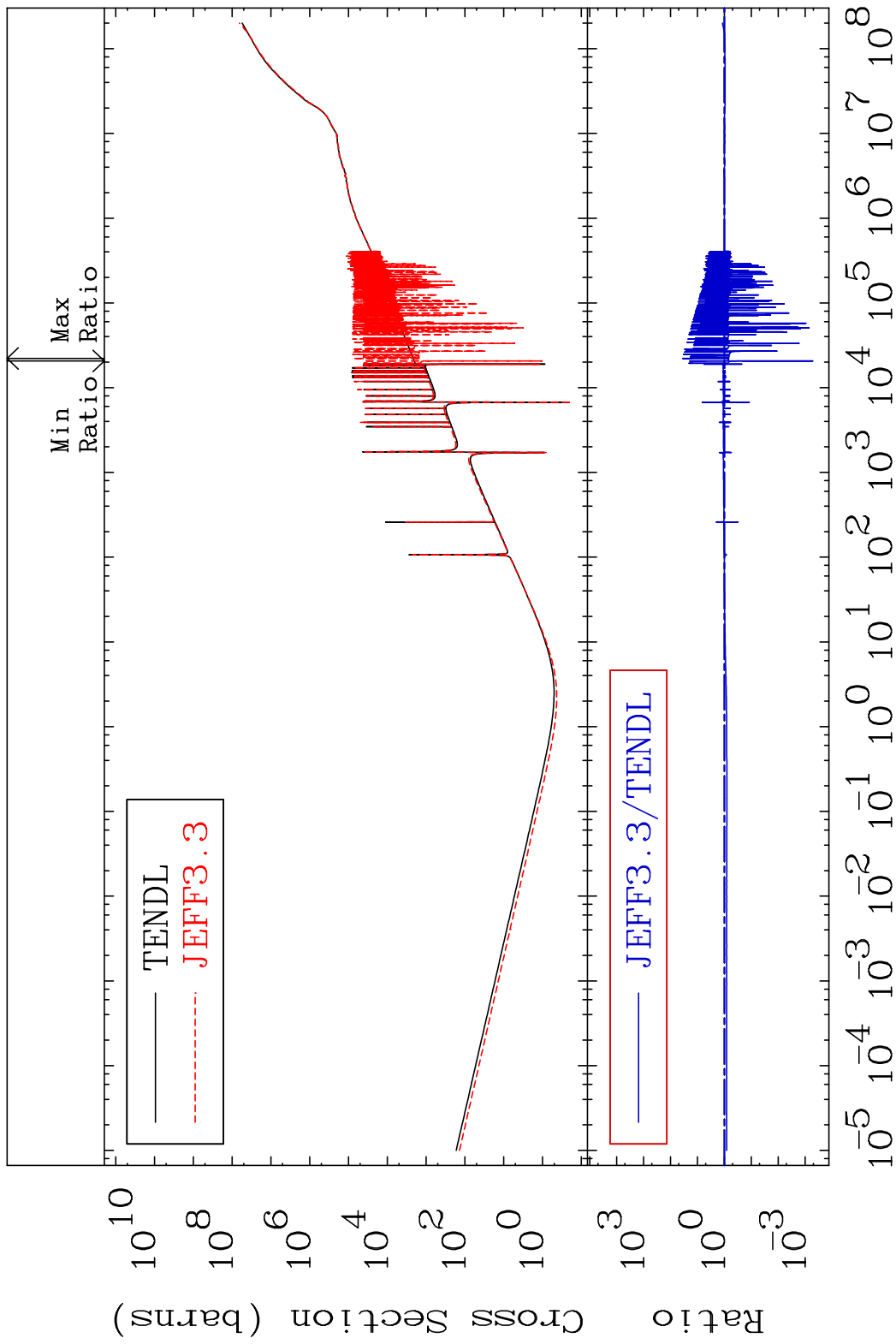
MAT 5055      Total photon (eV-barns)      50-Sn-122  
 Cross Section      -99.99 To 9999. %



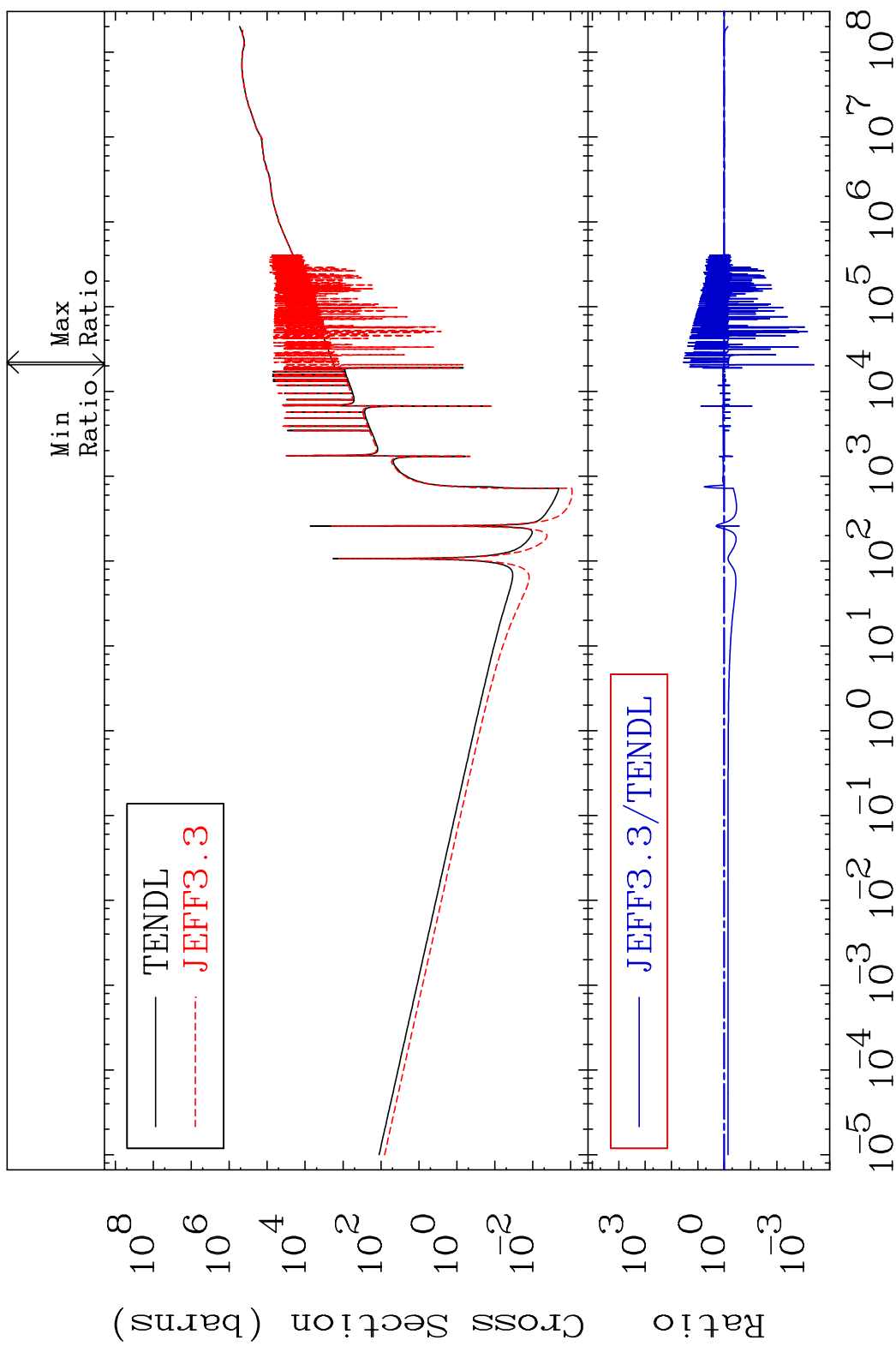
55      Incident Energy (eV)      50-Sn-122



MAT 5055 Total kinematic kerma (high limit) 50-Sn-122  
 Cross Section -99.95 To 3421. %

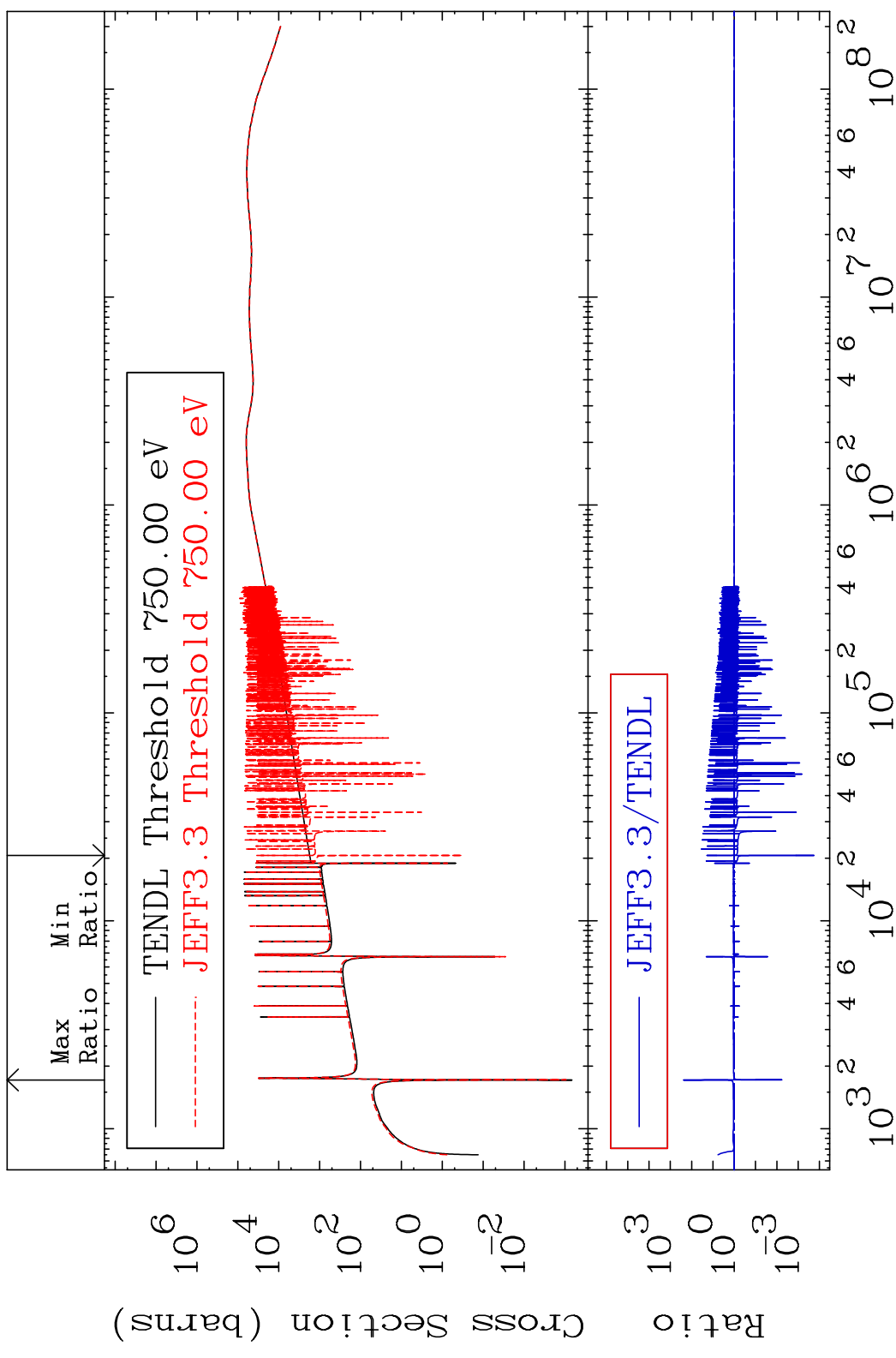


MAT 5055      Dpa total (eV-barns)      50-Sn-122  
 Cross Section      -99.96 To 3419. %



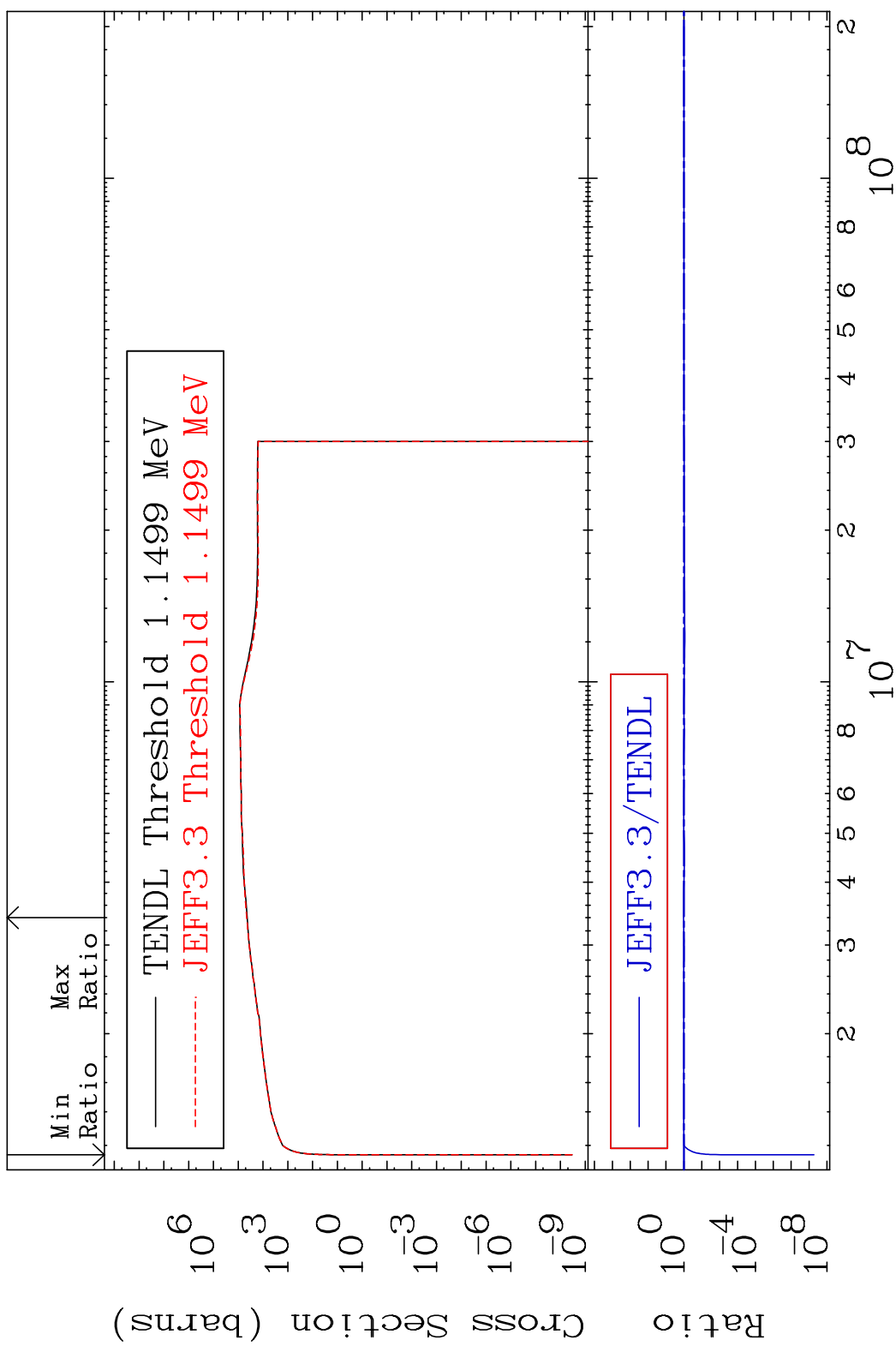
57      Incident Energy (eV)      50-Sn-122

MAT 5055      Dpa elastic (mt2)      50-Sn-122  
 Cross Section      -99.98 To 9999. %

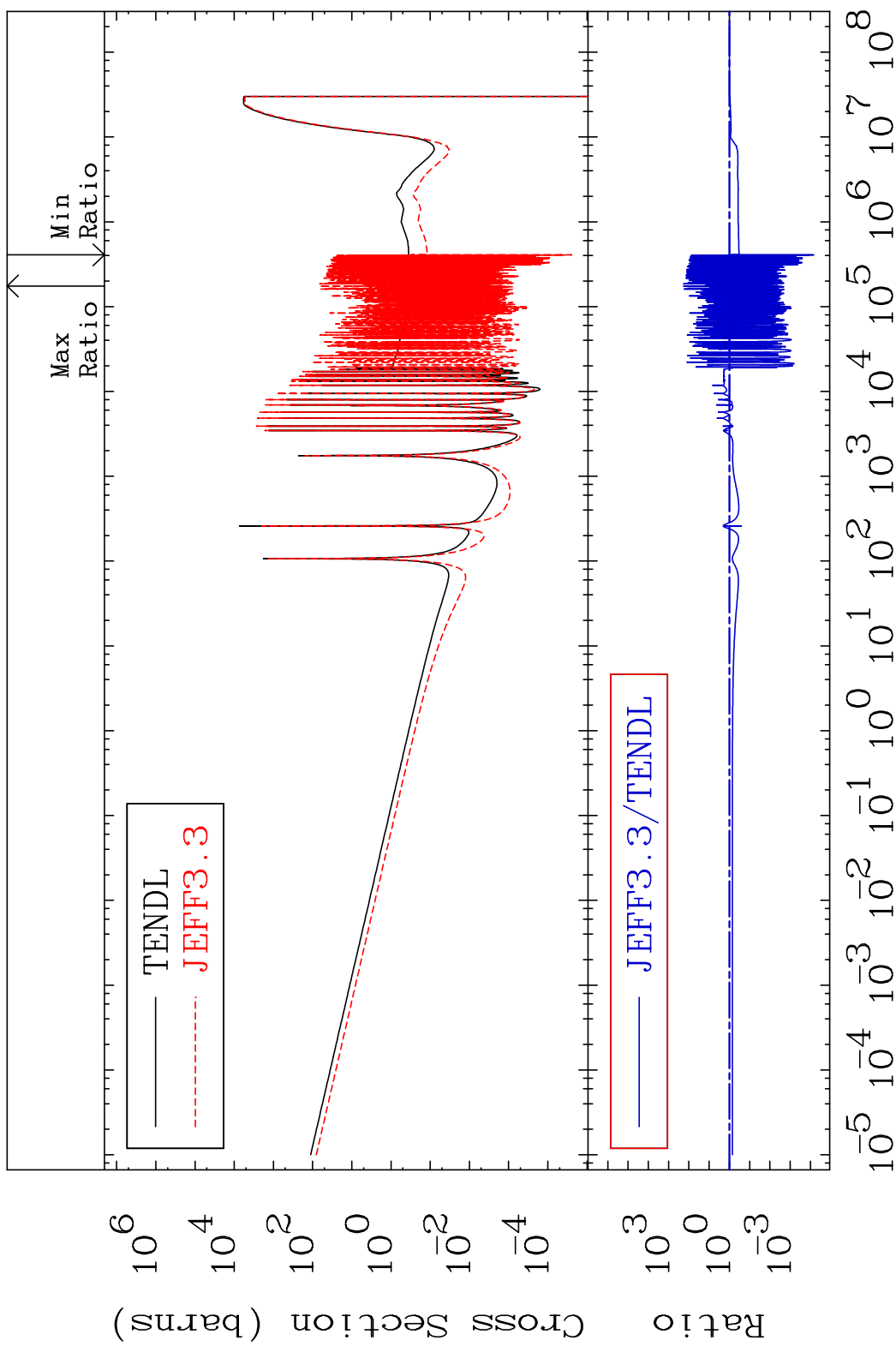


58      Incident Energy (eV)      50-Sn-122

MAT 5055      Dpa inelastic (mt51-91)      50-Sn-122  
 Cross Section      -100.0 To 5.553 %

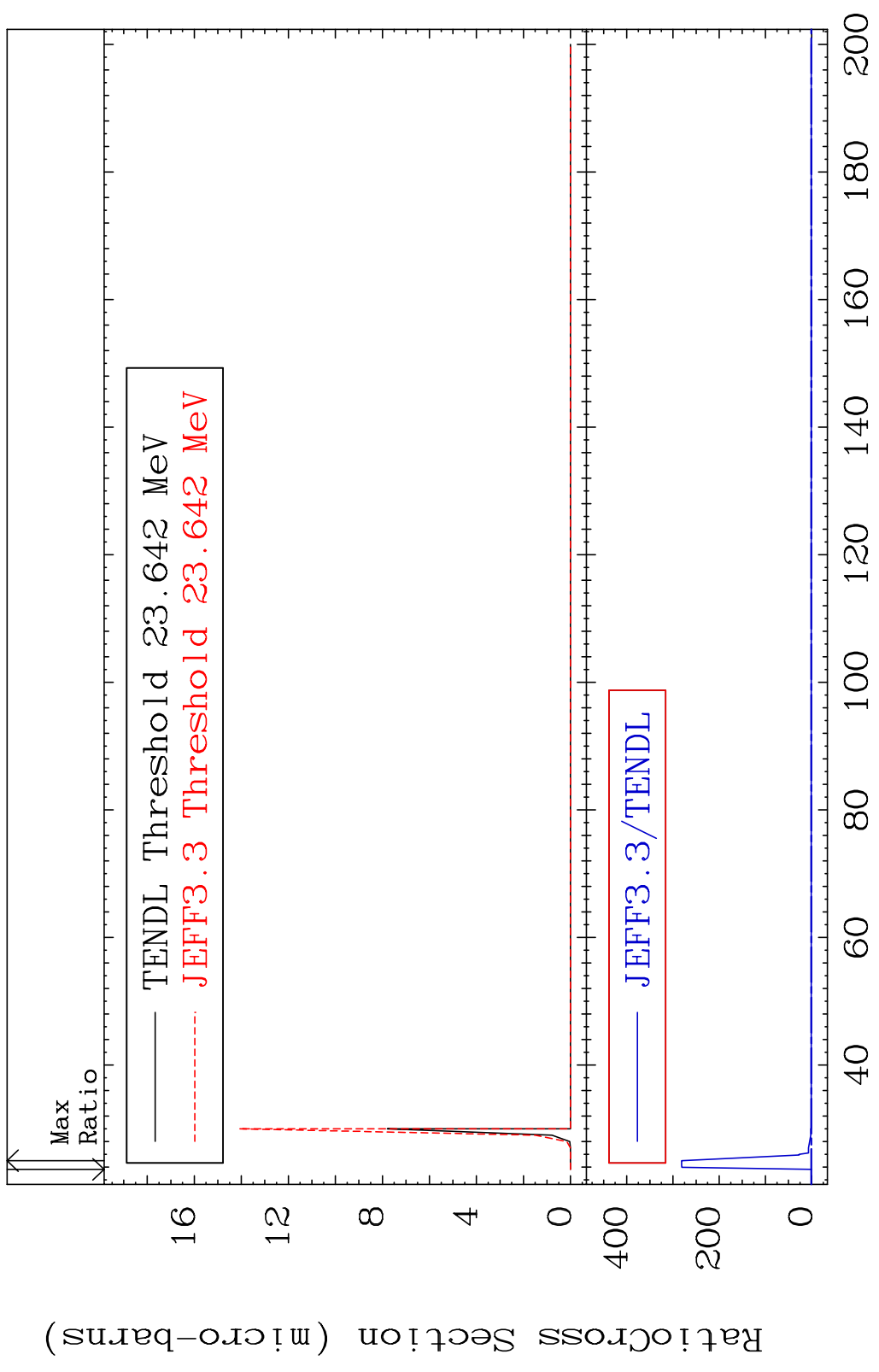


MAT 5055 Dpa disappearance (mt102 -120) 50-Sn-122  
 Cross Section -99.99 To 9999. %

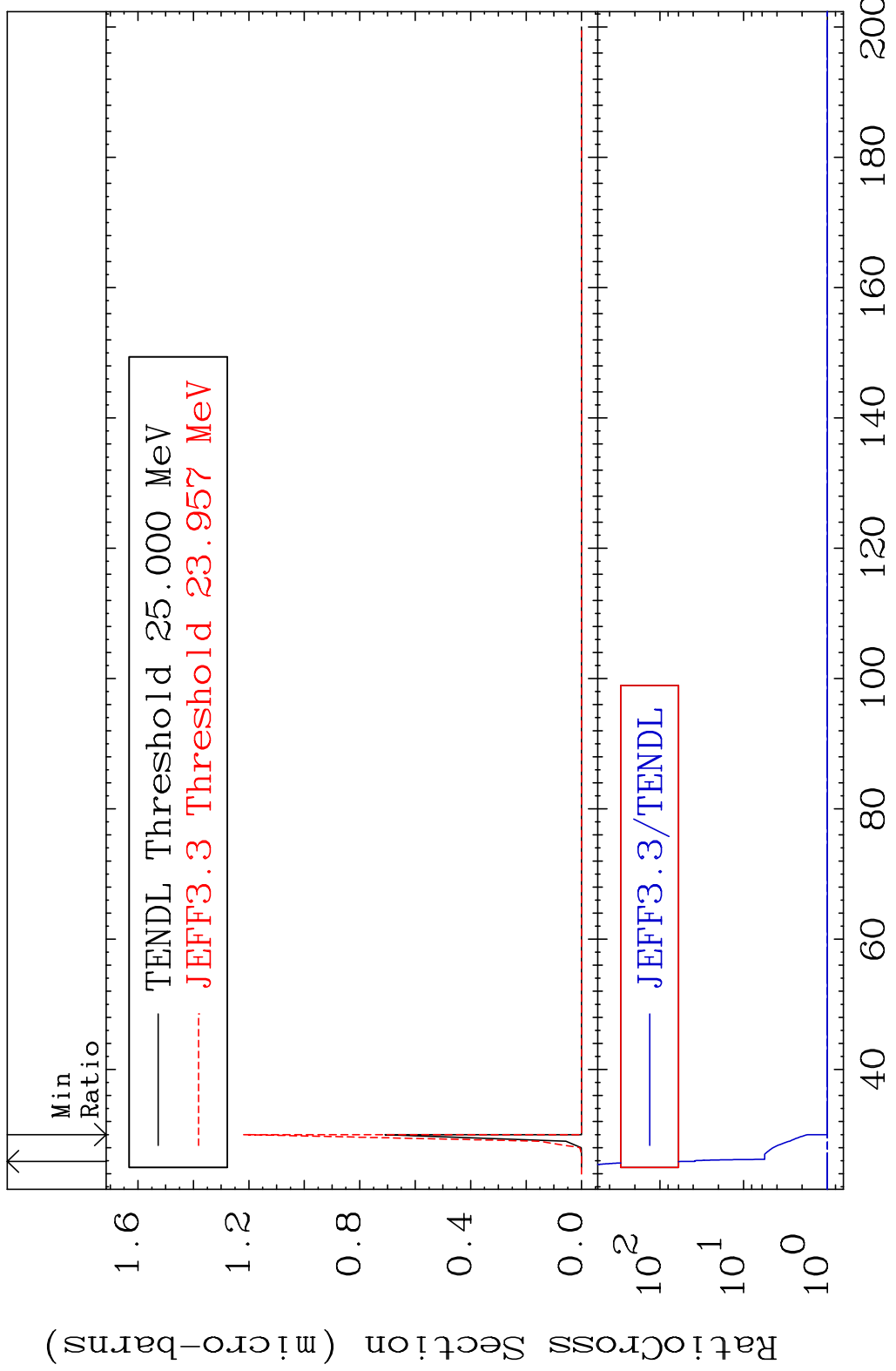


60 Incident Energy (eV) 50-Sn-122

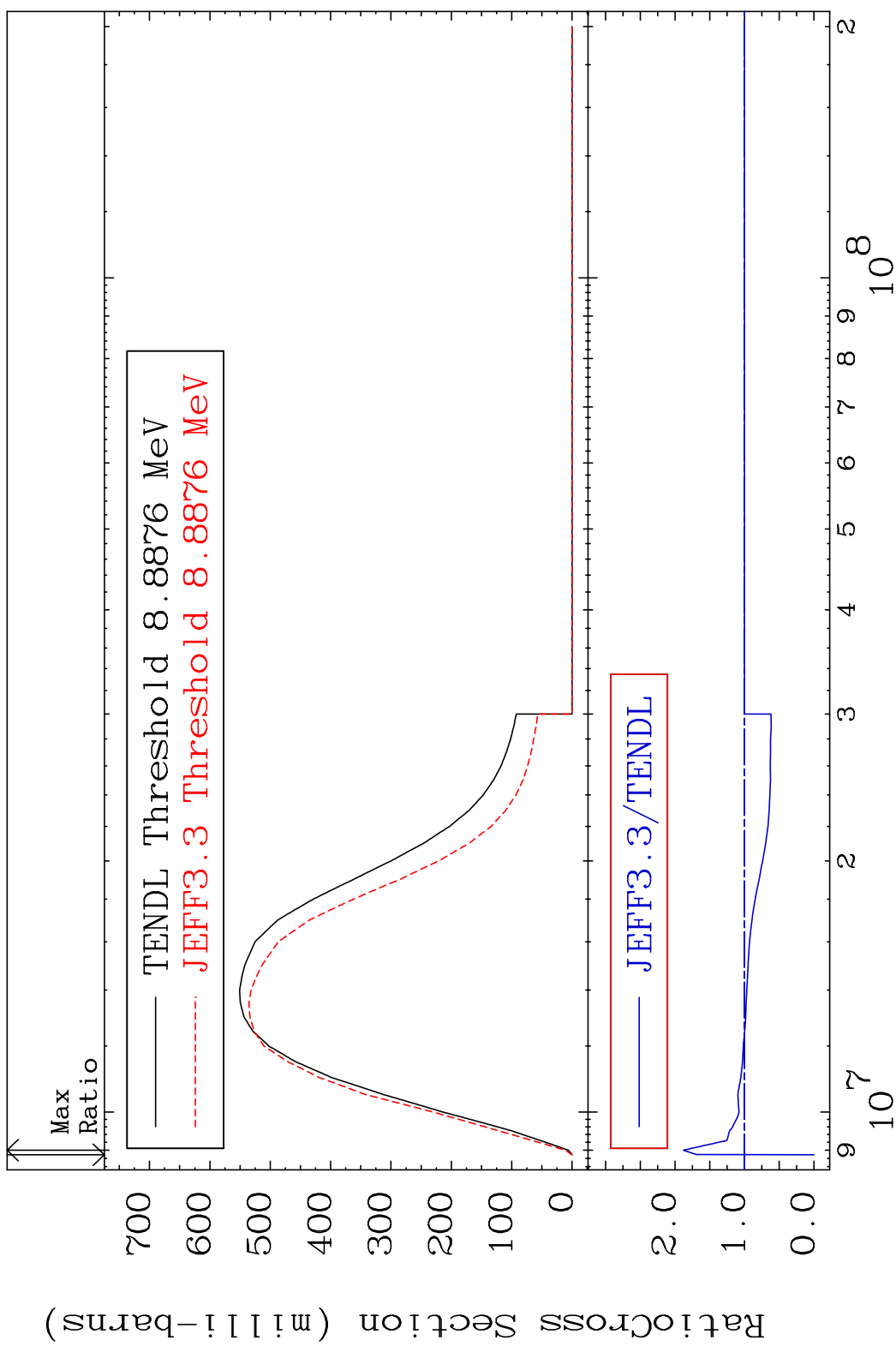
MAT 5055 (n,2n) d:49-In-119g 50-Sn-122  
 Radionuclide Production Cross Section to 9999. %



61 Incident Energy (MeV) 50-Sn-122



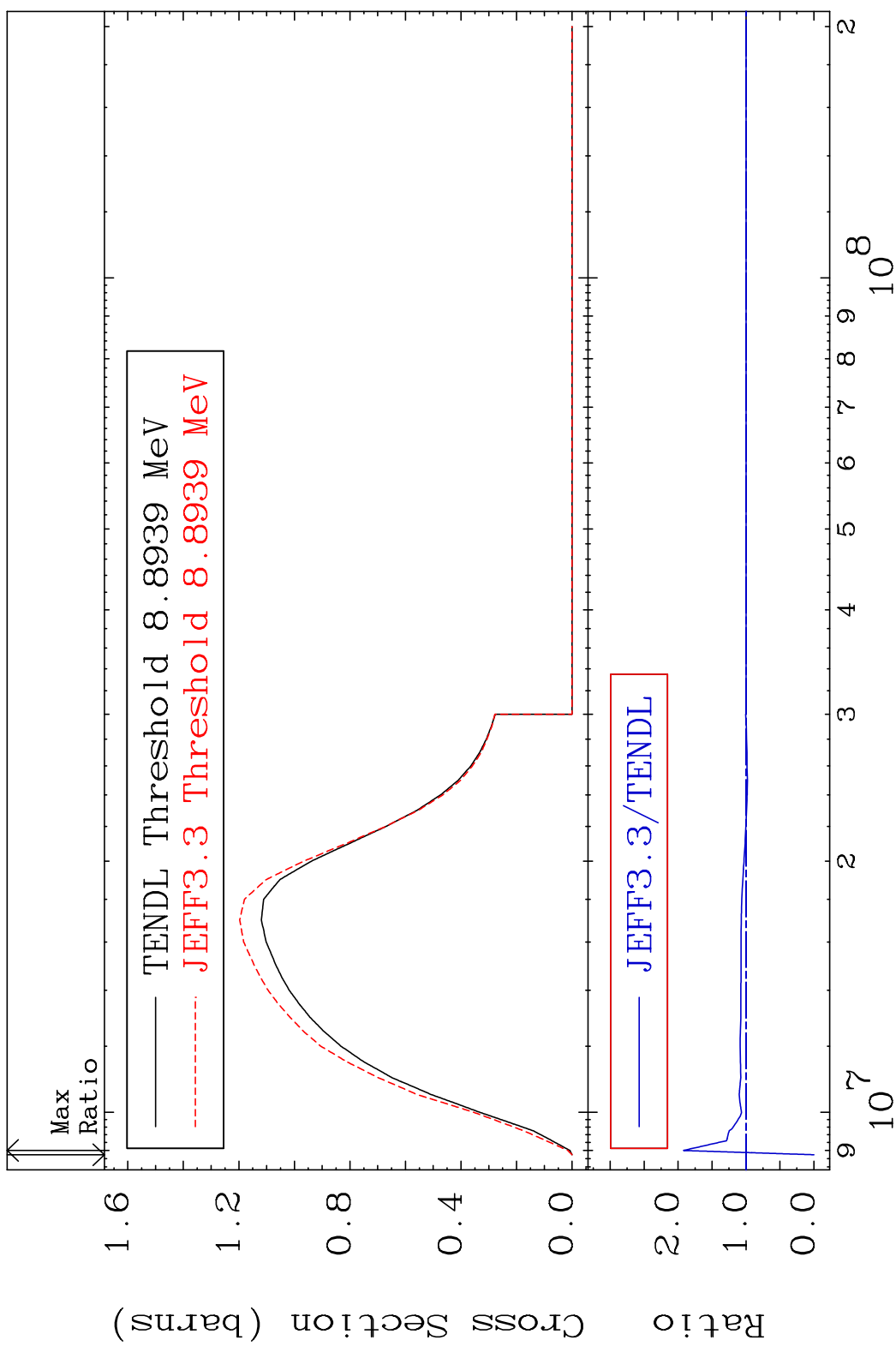
MAT 5055 (n,2n):50-Sn-121g 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 87.79 %



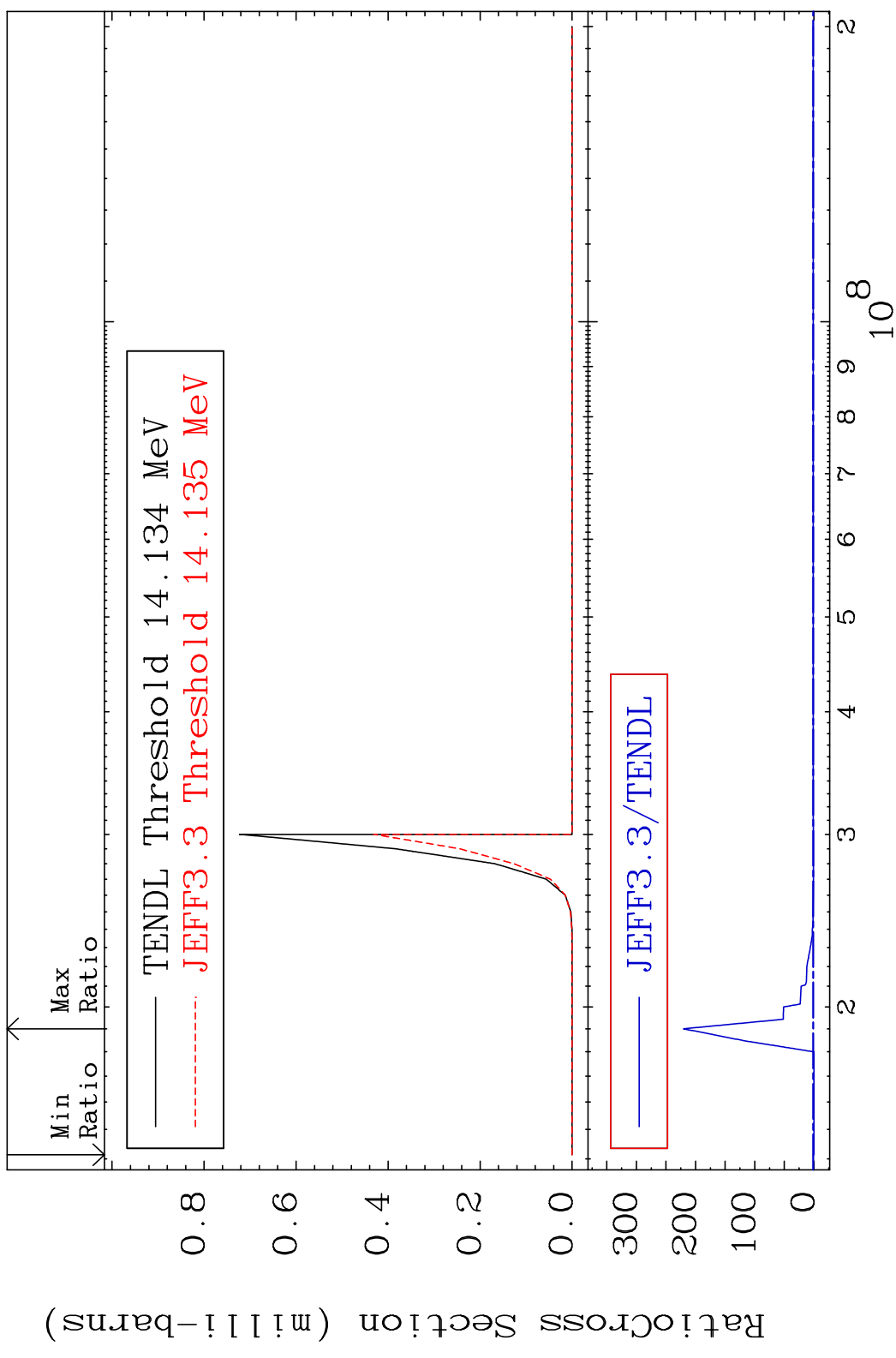
63 Incident Energy (eV) 50-Sn-122



MAT 5055 (n, 2n):50-Sn-121m1 50-Sn-122  
 Radionuclide Production Cross Section to 92.07 %

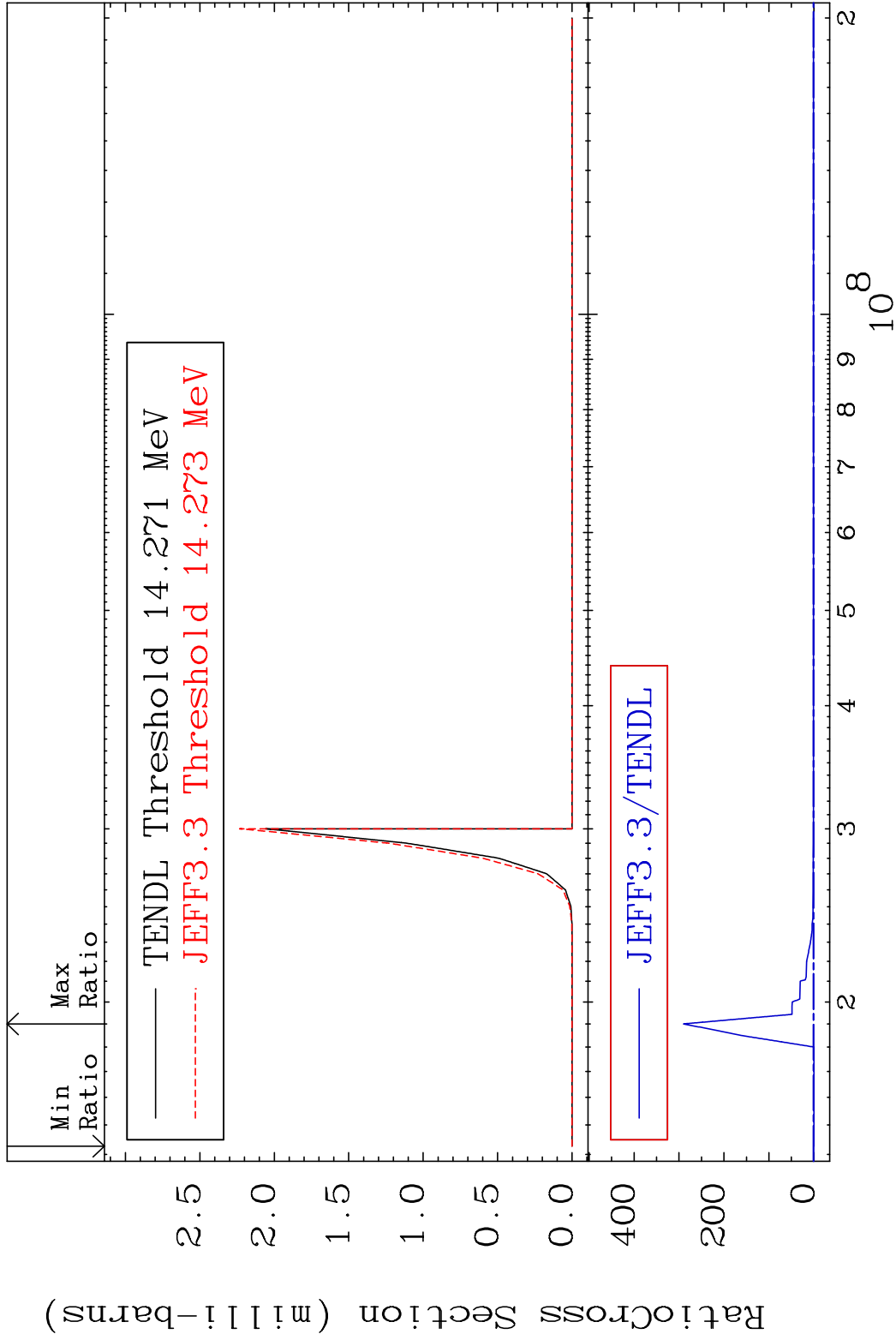


MAT 5055 (n,2n)  $\alpha$ :48-Cd-117g 50-Sn-122  
 Radionuclide Production Cross Section 180000 dth 9999. %

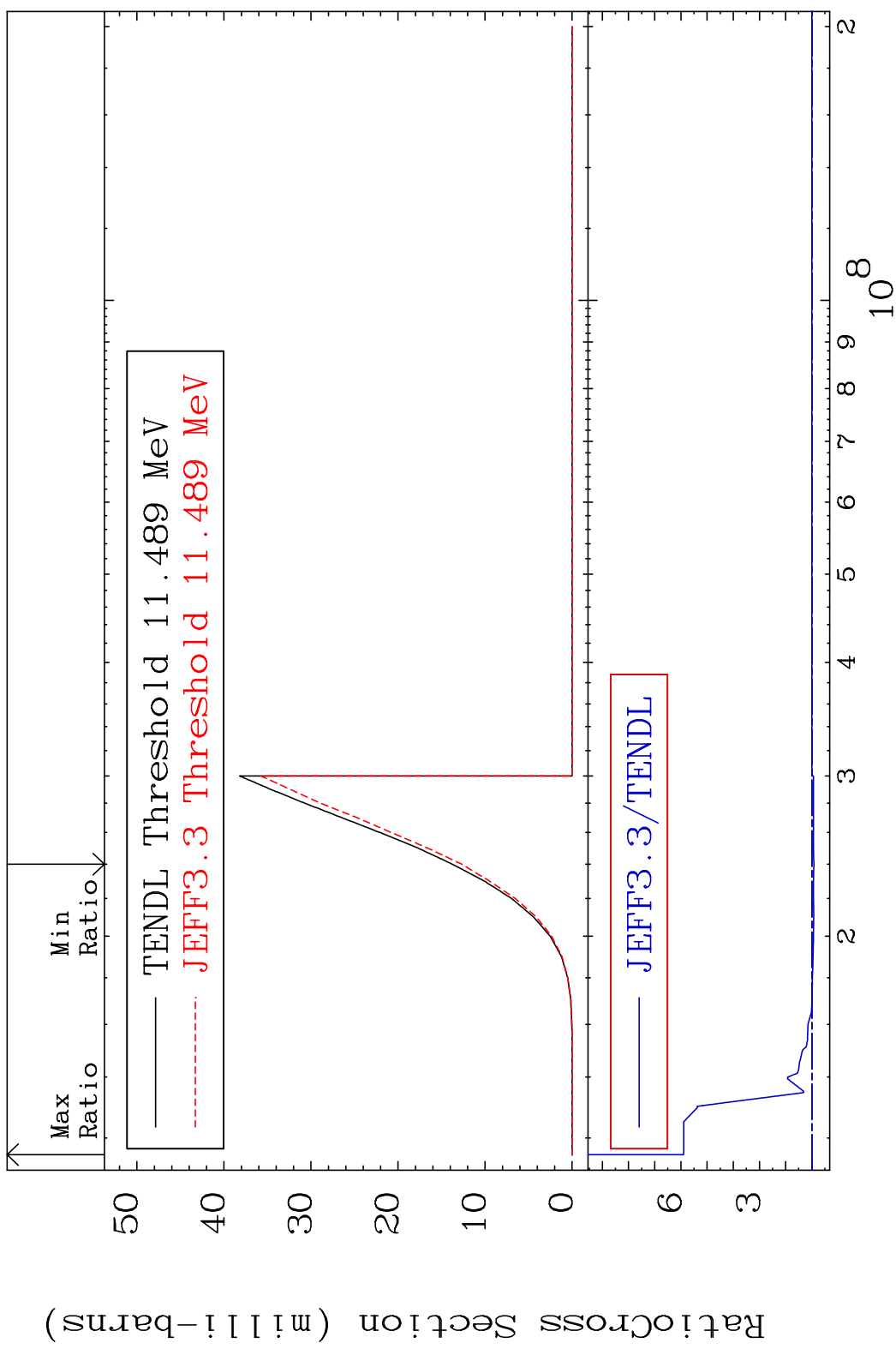


65 Incident Energy (eV) 50-Sn-122

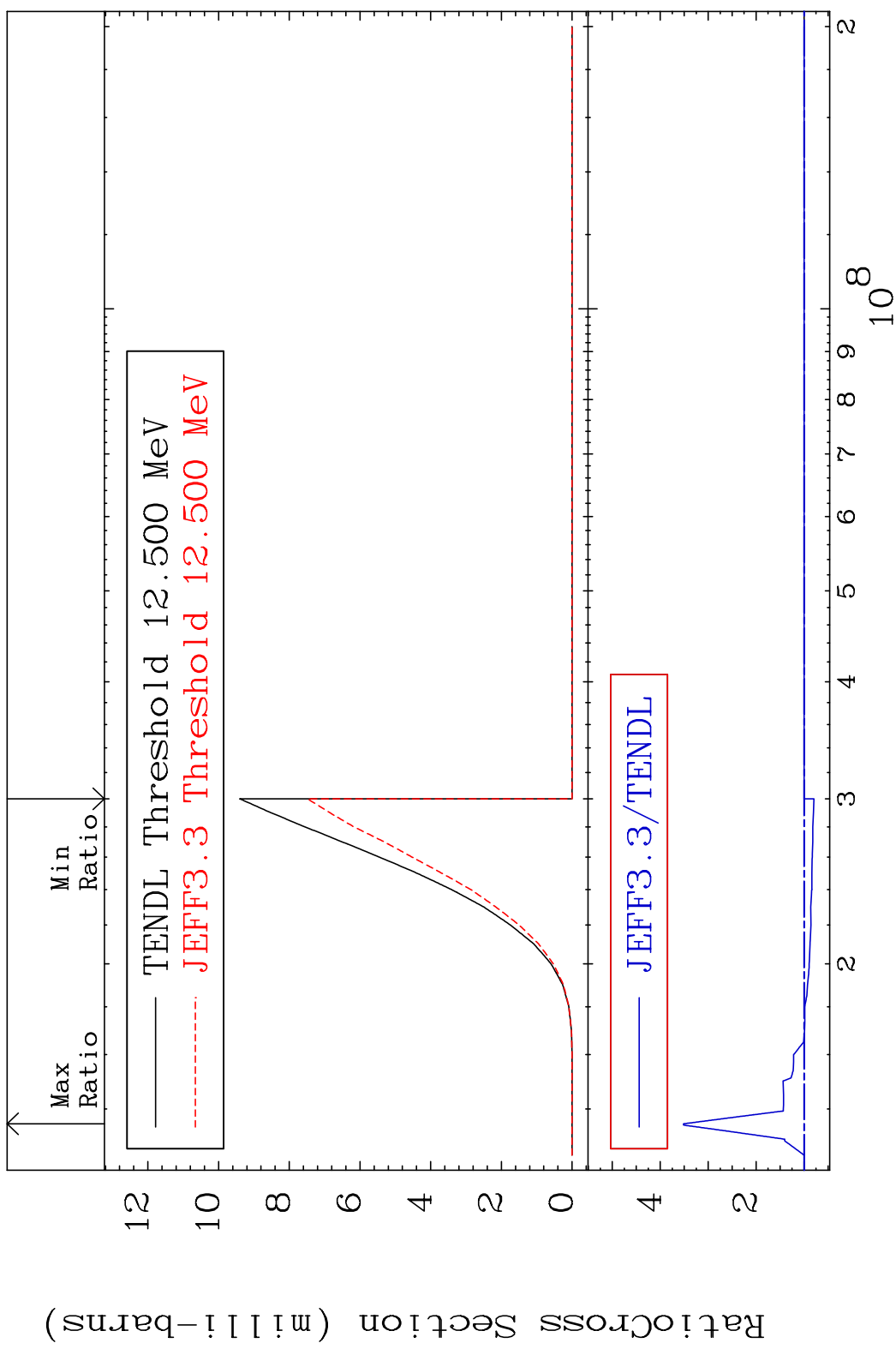
MAT 5055 (n,2n)  $\alpha$ :48-Cd-117m2 50-Sn-122  
 Radionuclide Production Cross Section to 9999. %



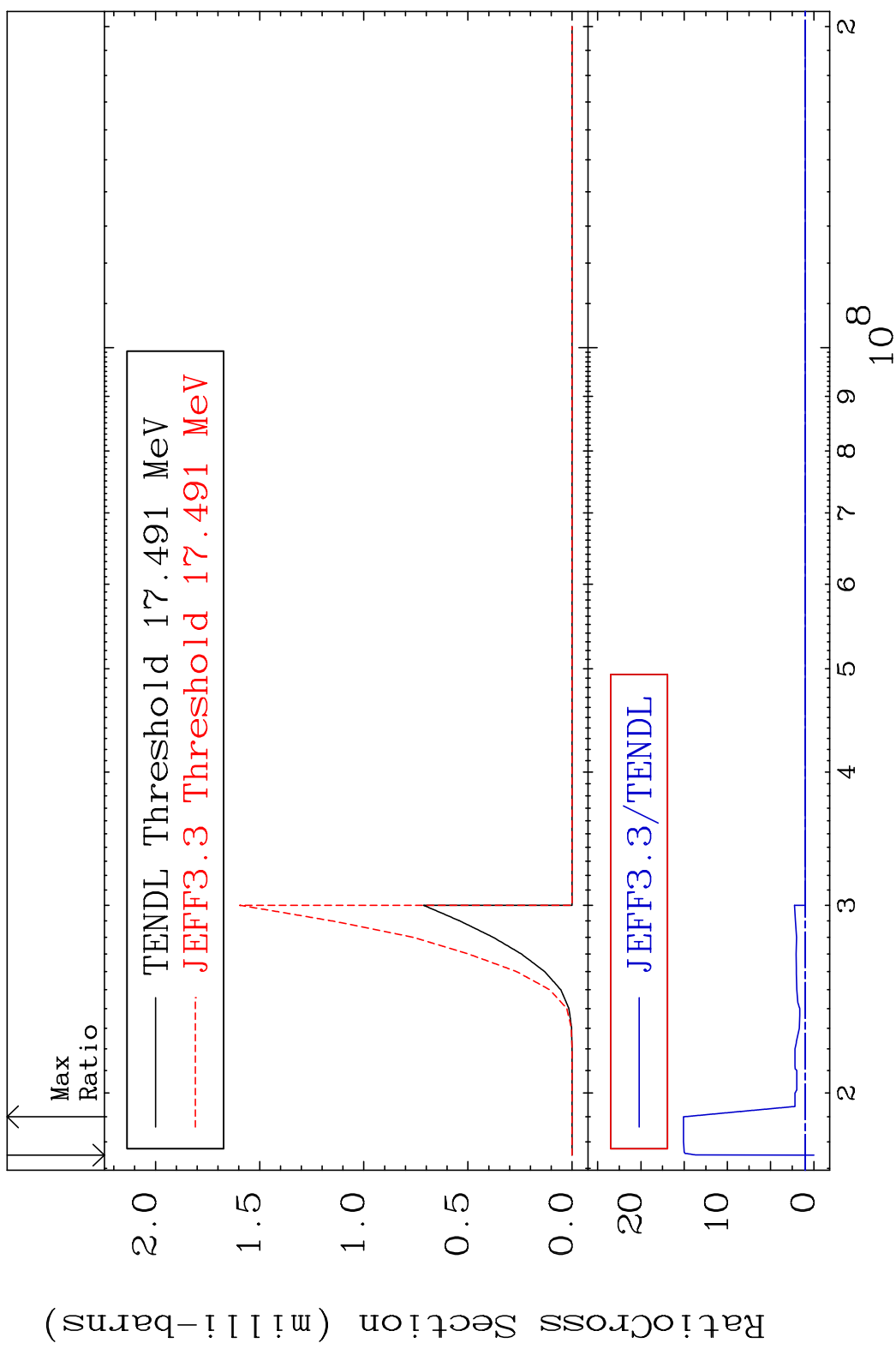
MAT 5055 (n, n') p:49-In-121g 50-Sn-122  
 Radionuclide Production Cross Section 490.3 %



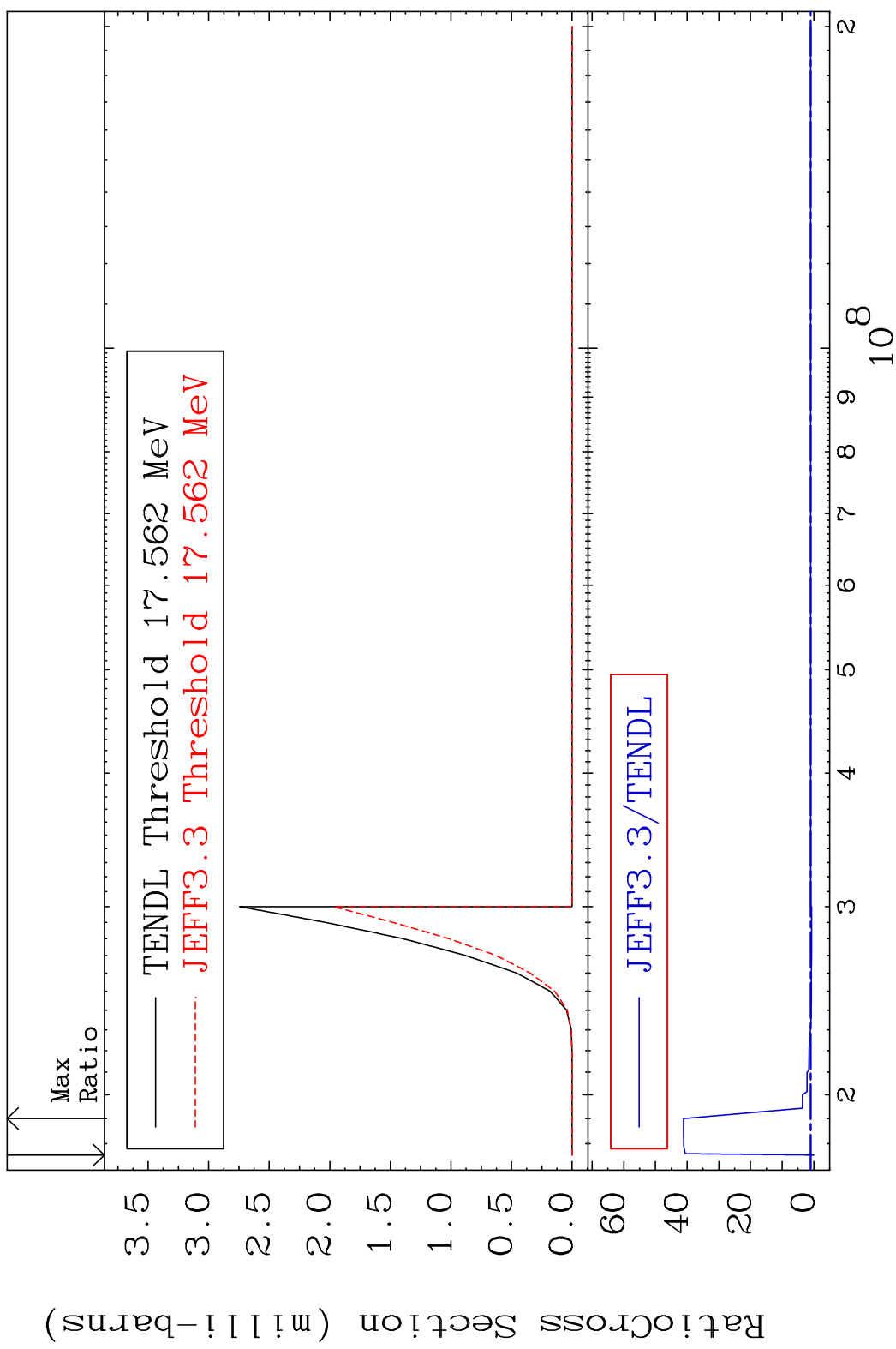
67 50-Sn-122



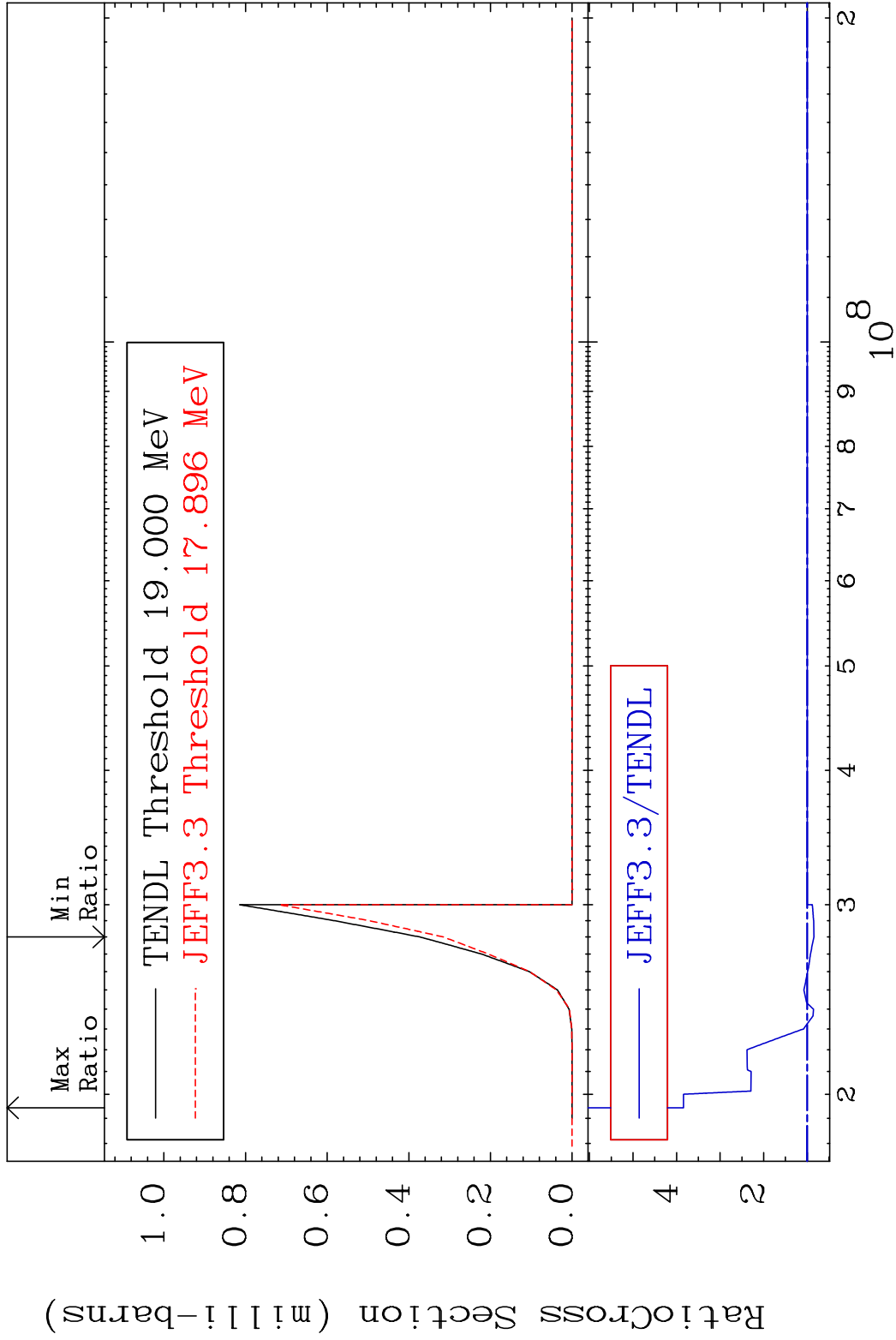
MAT 5055 (n, n') d:49-In-120g 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 1408. %



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

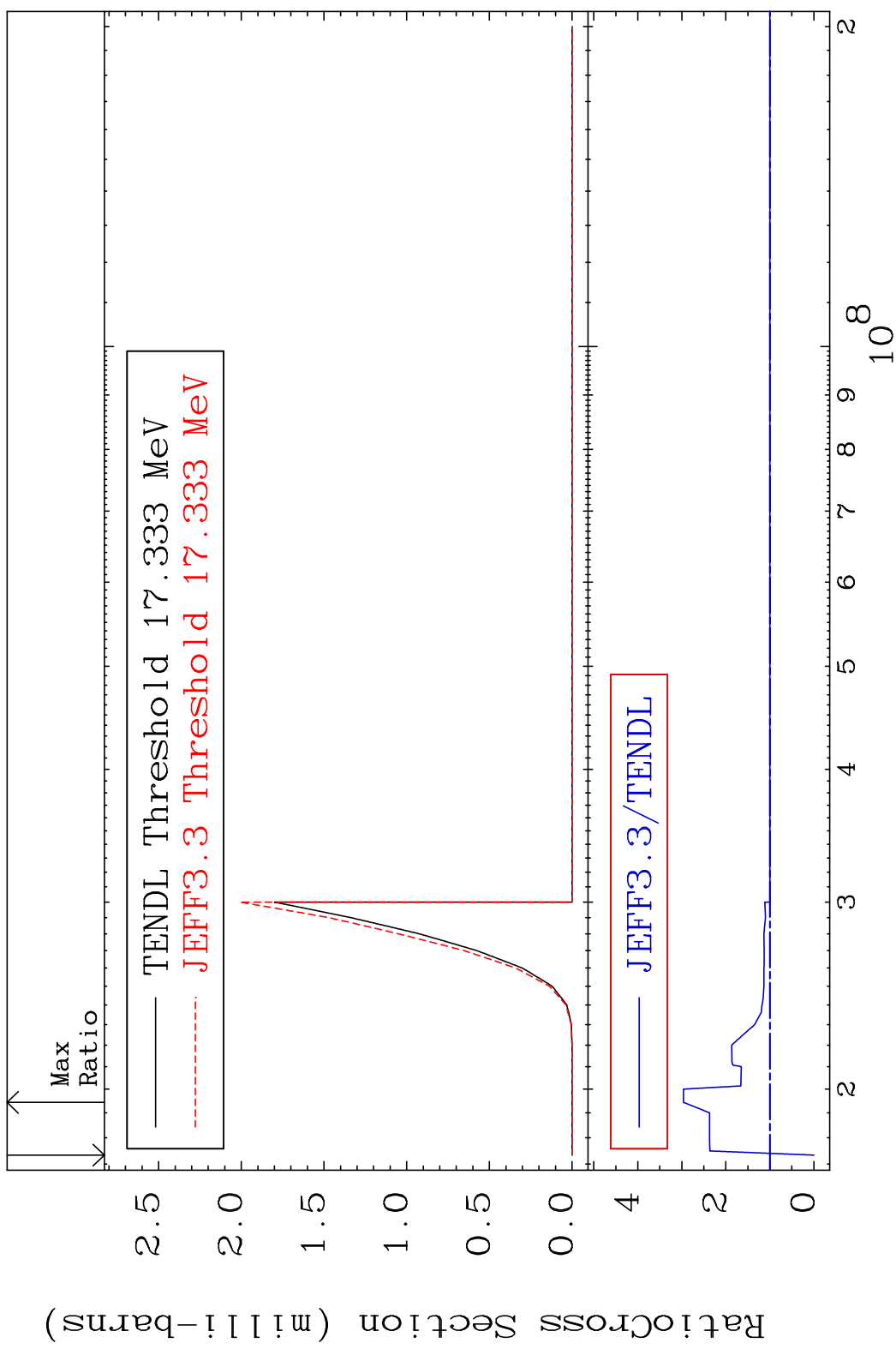


70 Incident Energy (eV) 50-Sn-122

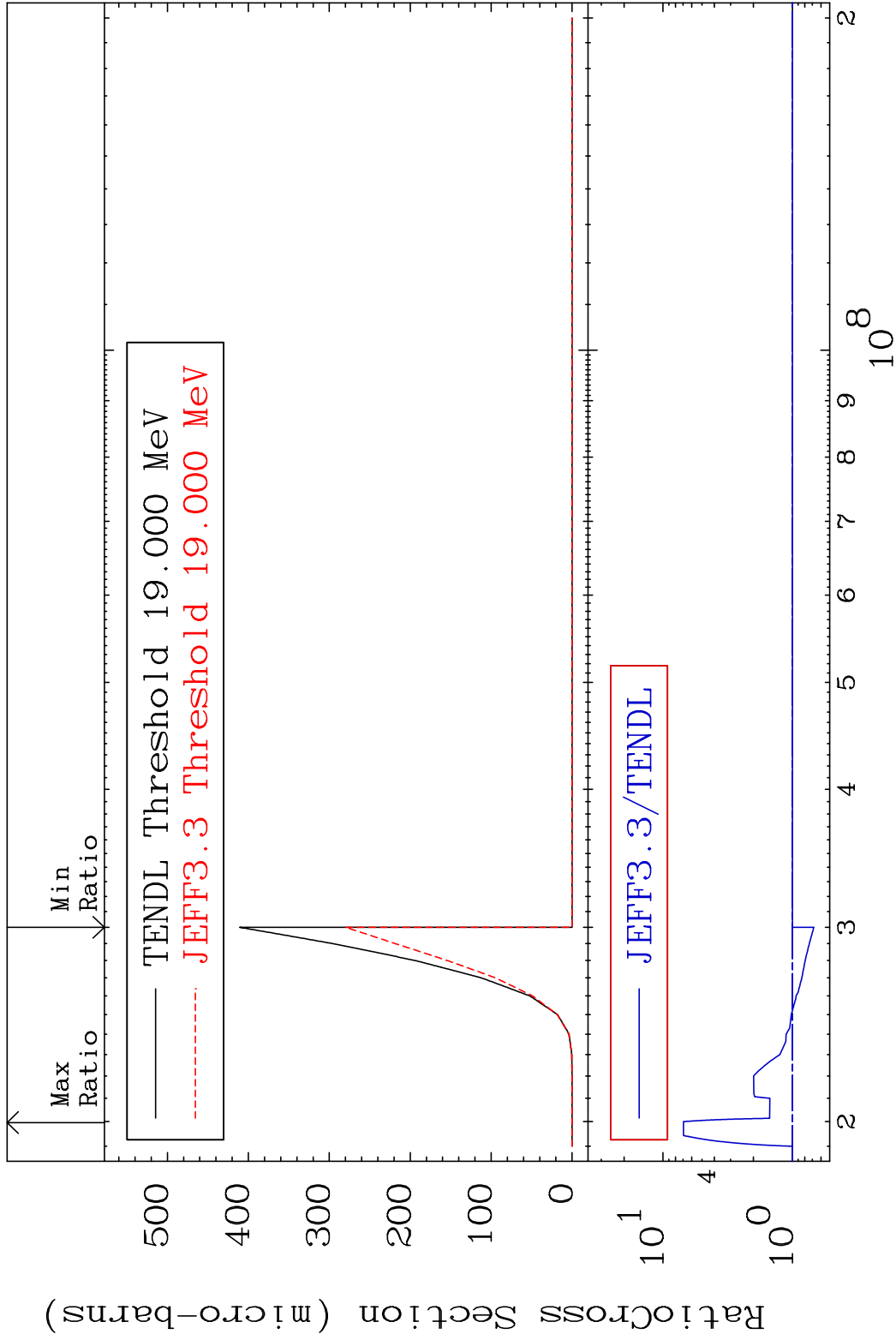




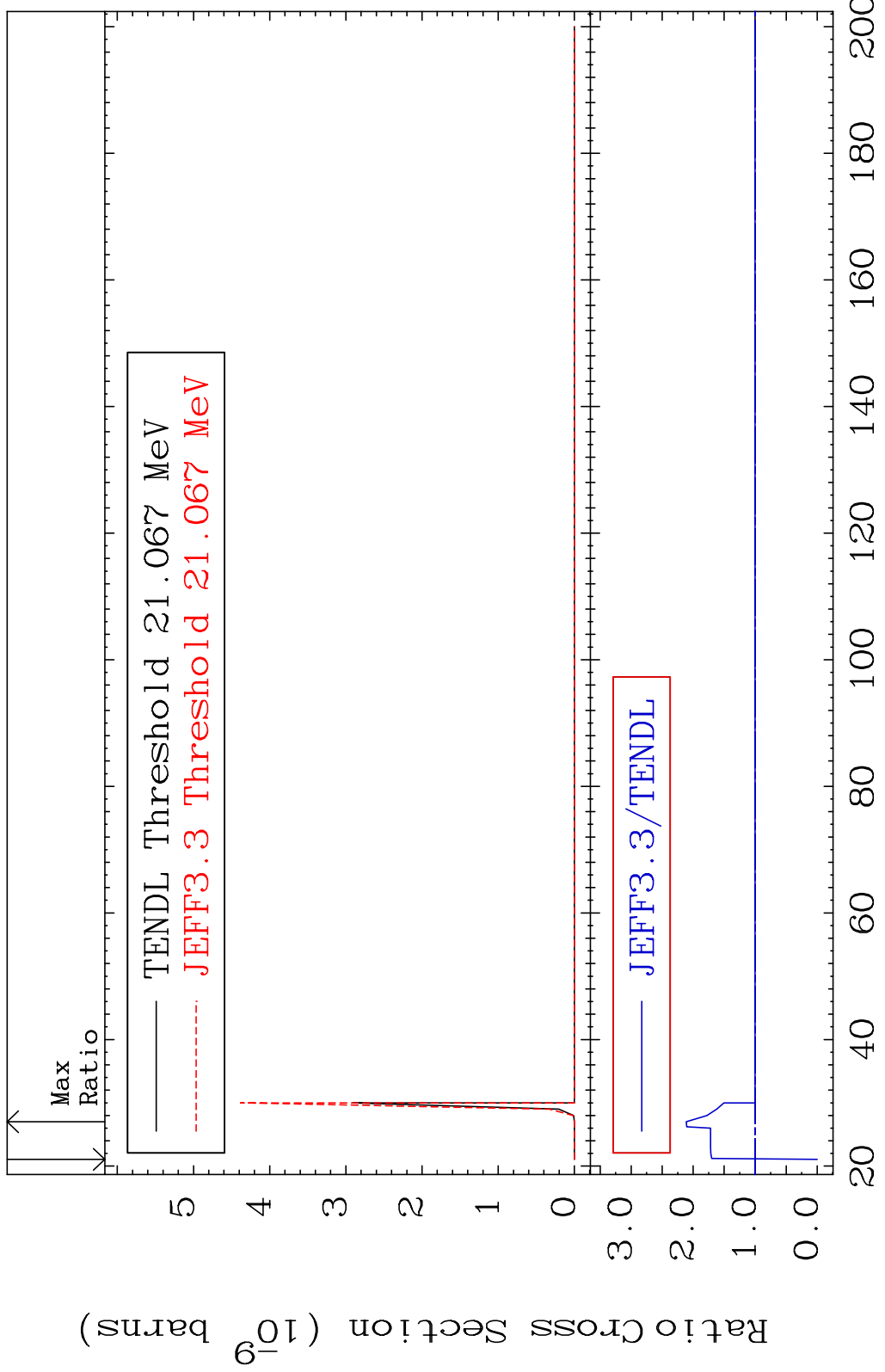
MAT 5055 (n, n') t:49-In-119g 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 196.3 %



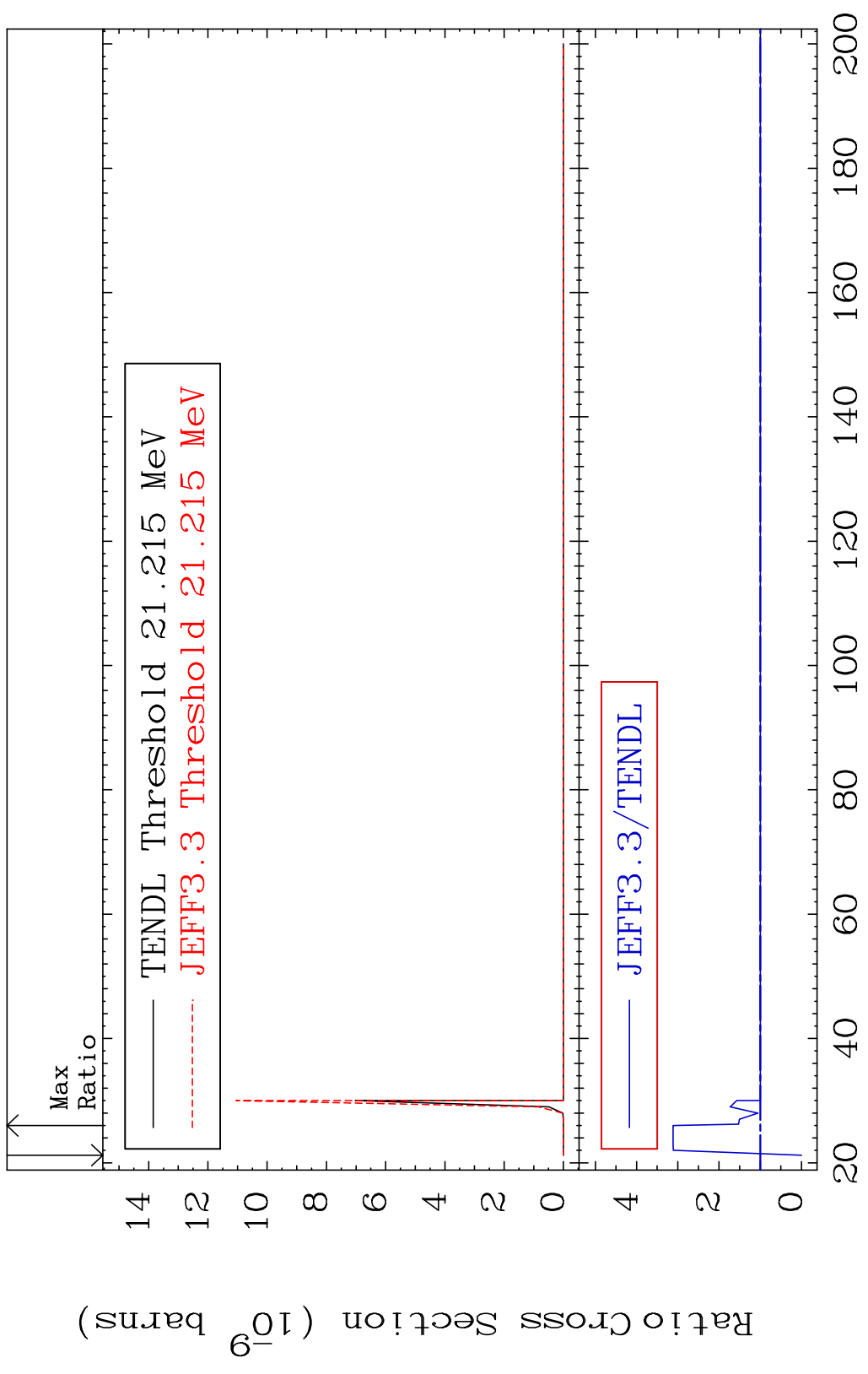
72 Incident Energy (eV) 50-Sn-122



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

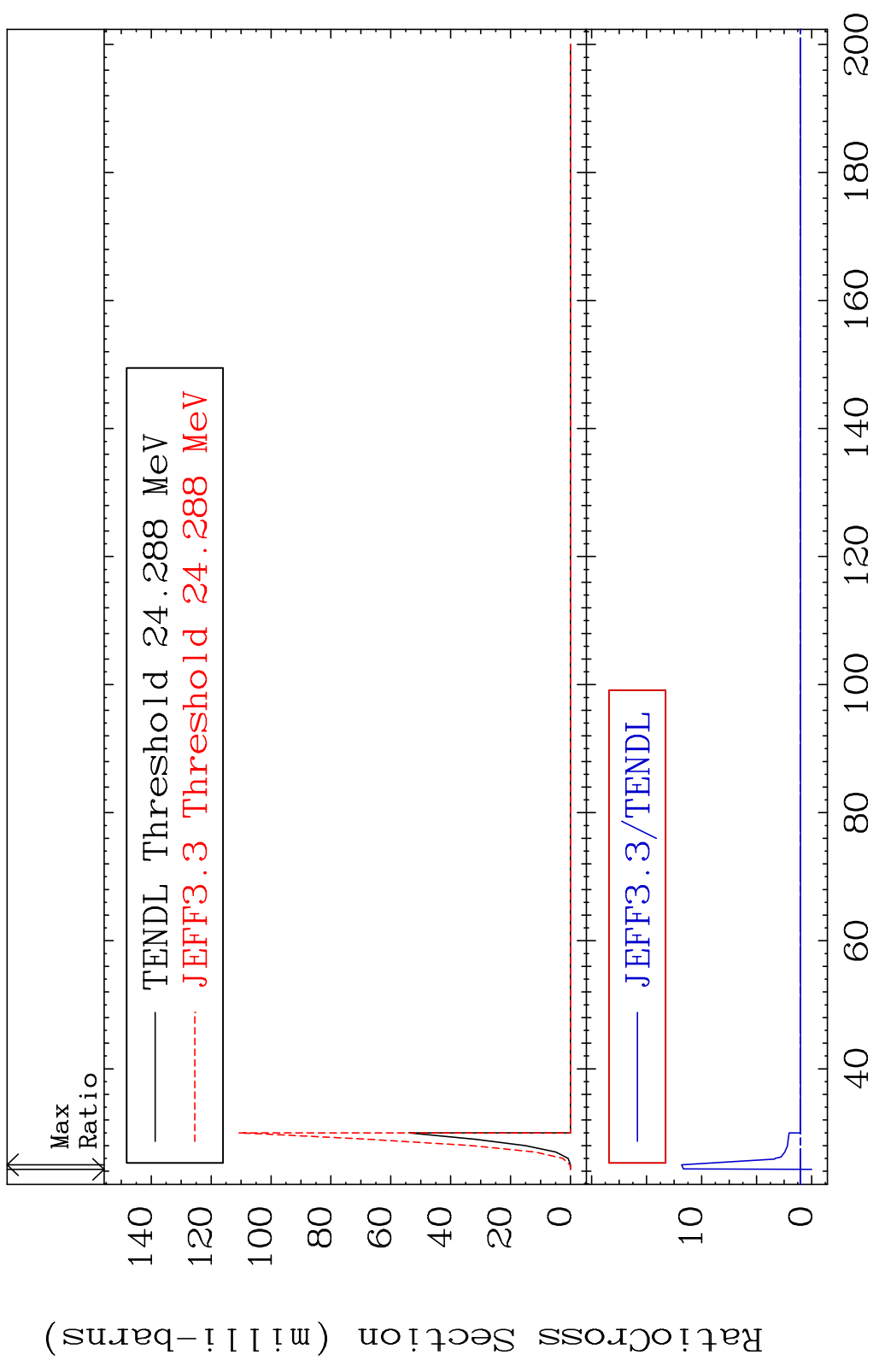


MAT 5055 (n, n') He-3:48-Cd-119m2 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 211.6 %



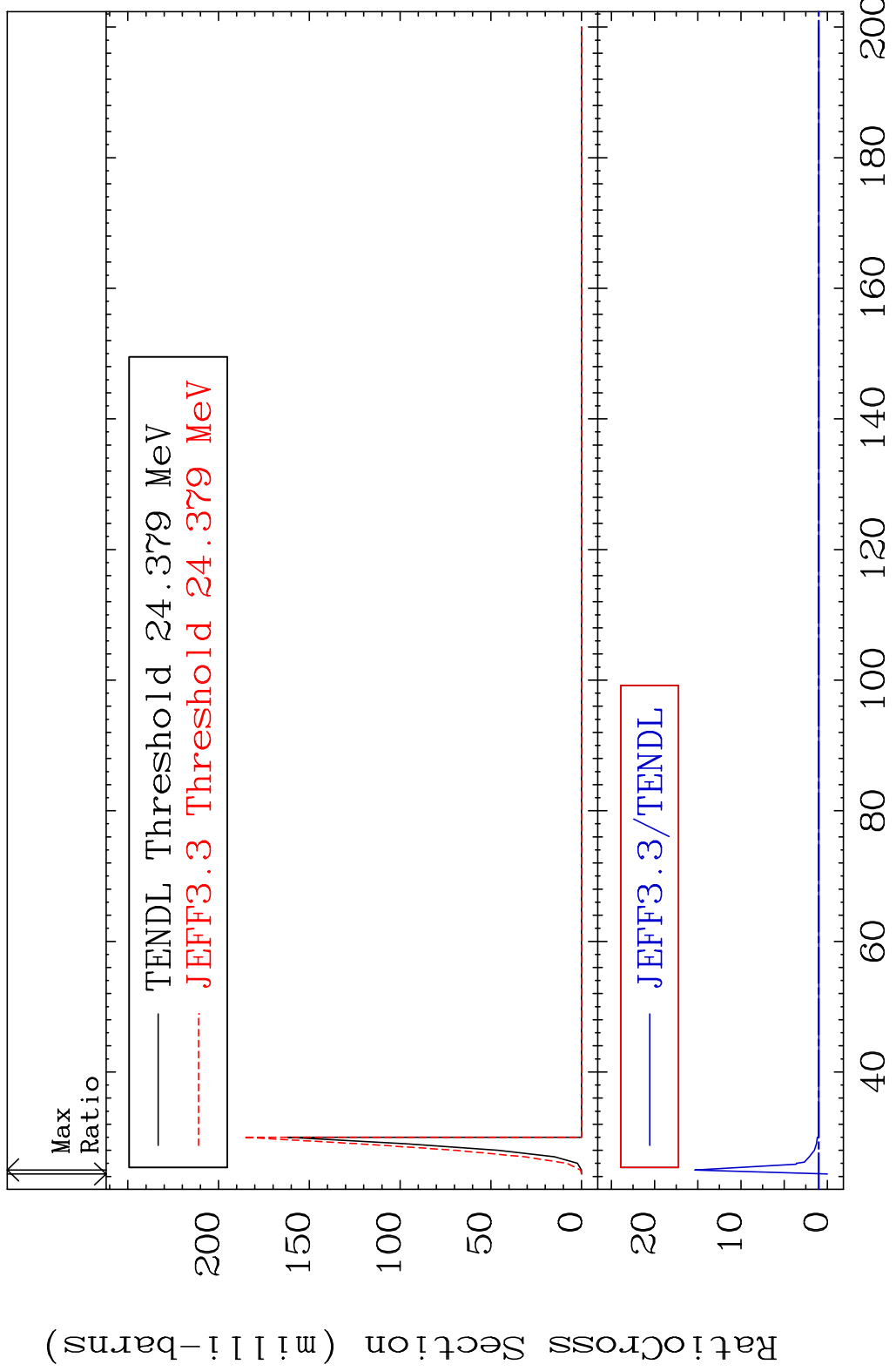
75 Incident Energy (MeV) 50-Sn-122

MAT 5055 (n, 4n):50-Sn-119g 50-Sn-122  
 Radionuclide Production Cross Section 10000 dpo 1082. %



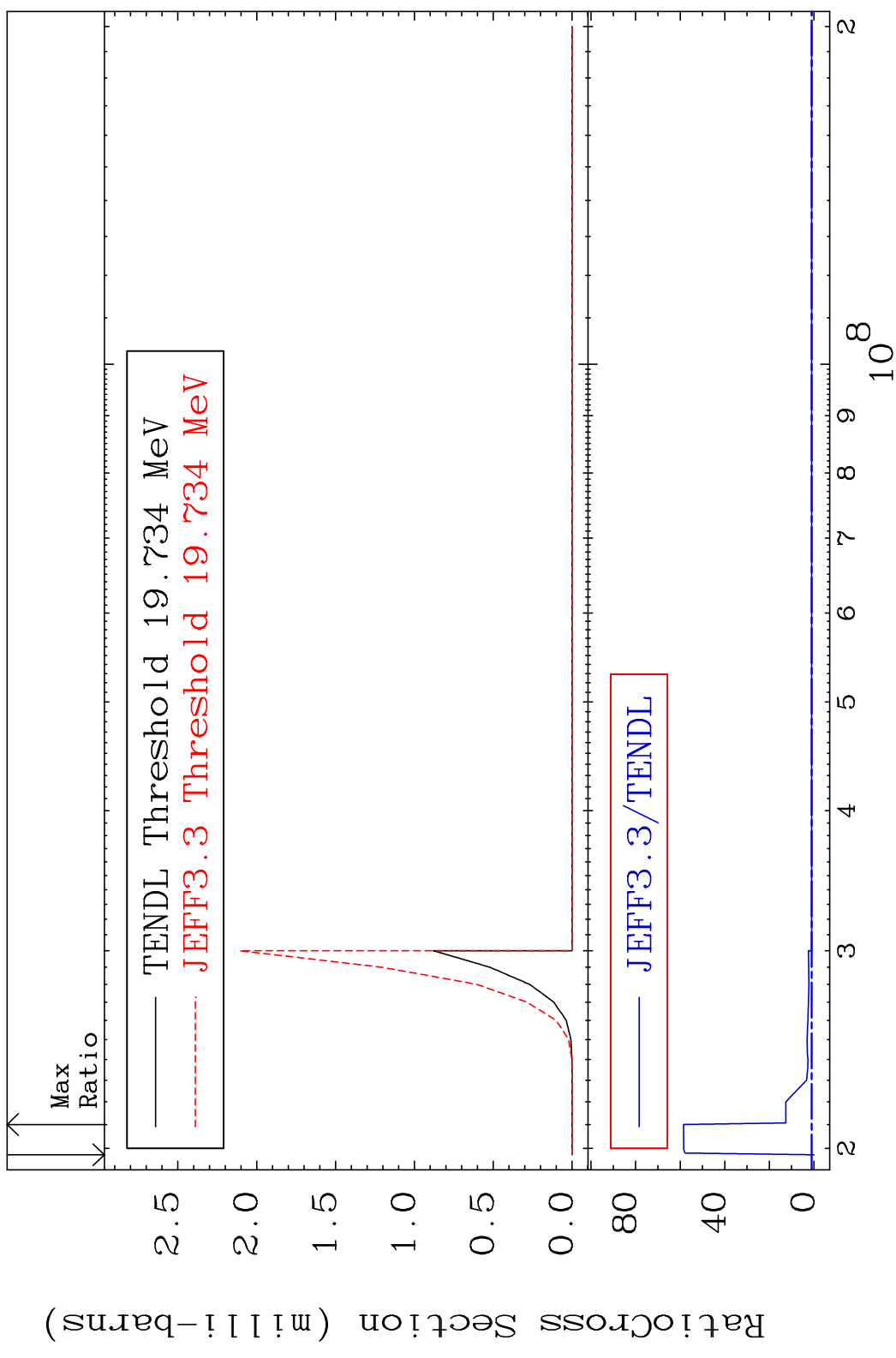
76 Incident Energy (MeV) 50-Sn-122

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



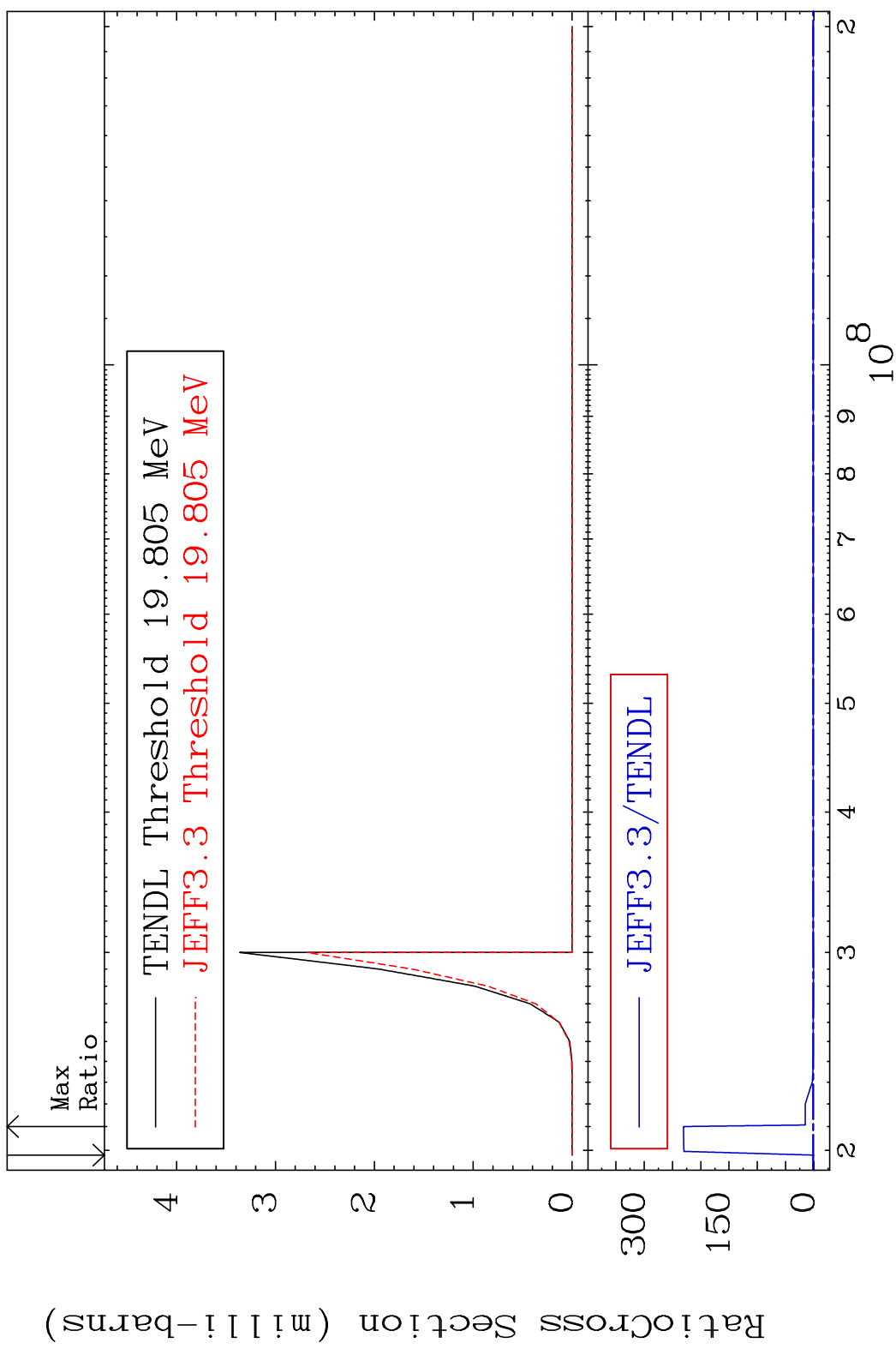
777 Incident Energy (MeV) 50-Sn-122

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

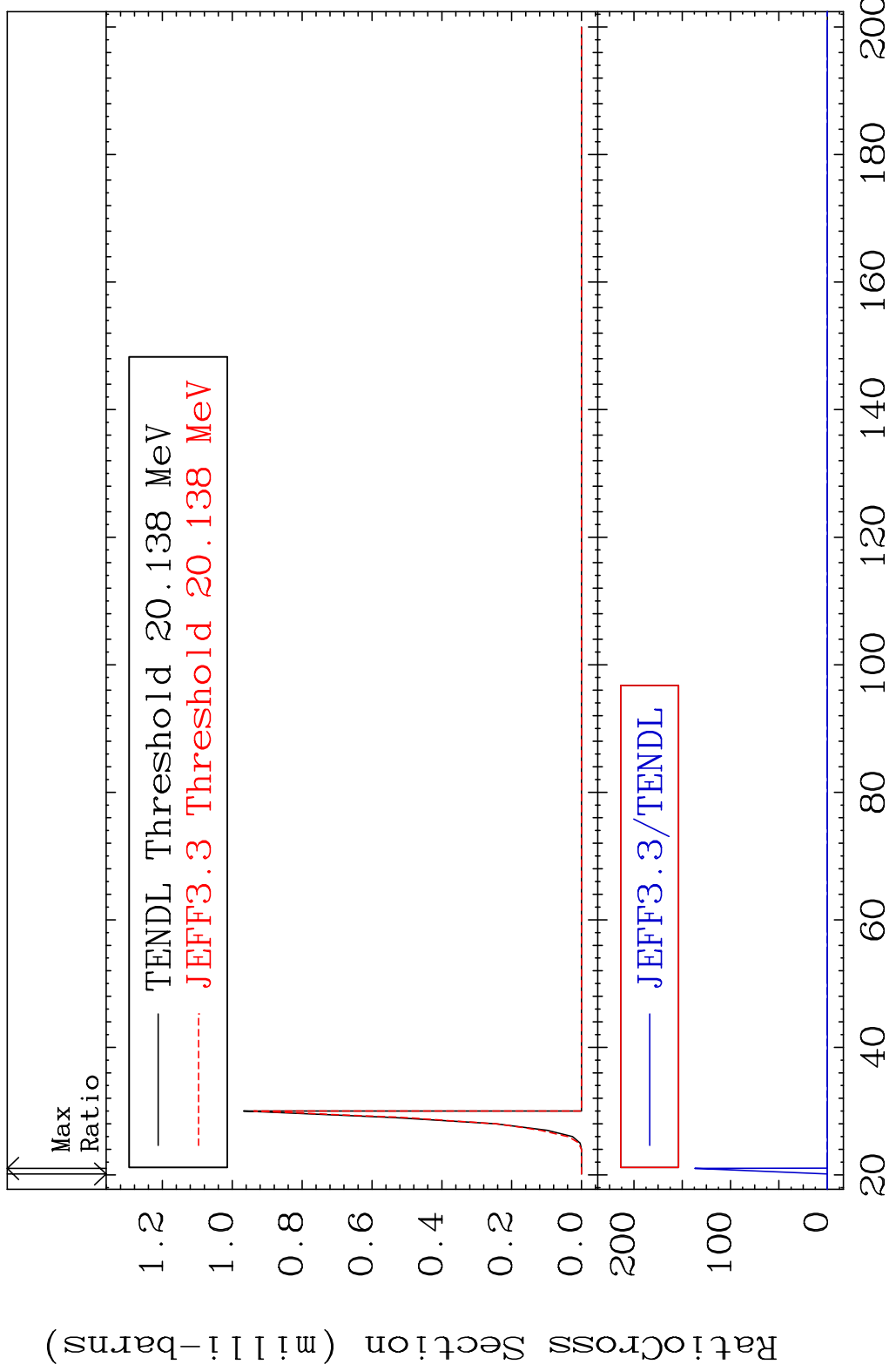
MAT 5055 (n,2n) p:49-In-120m1 50-Sn-122  
 Radionuclide Production Cross Section 10000 d to 9999. %



79 50-Sn-122

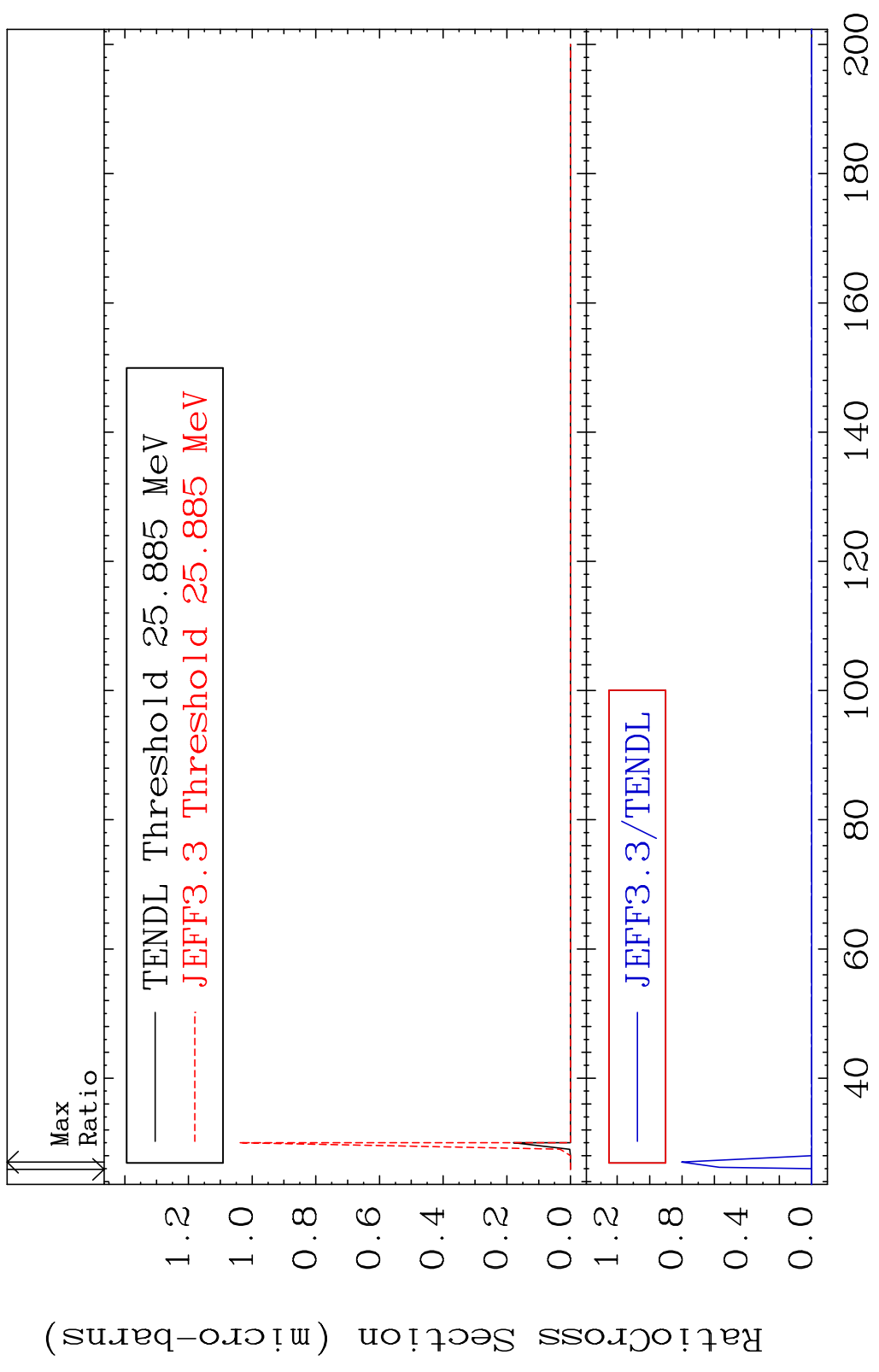


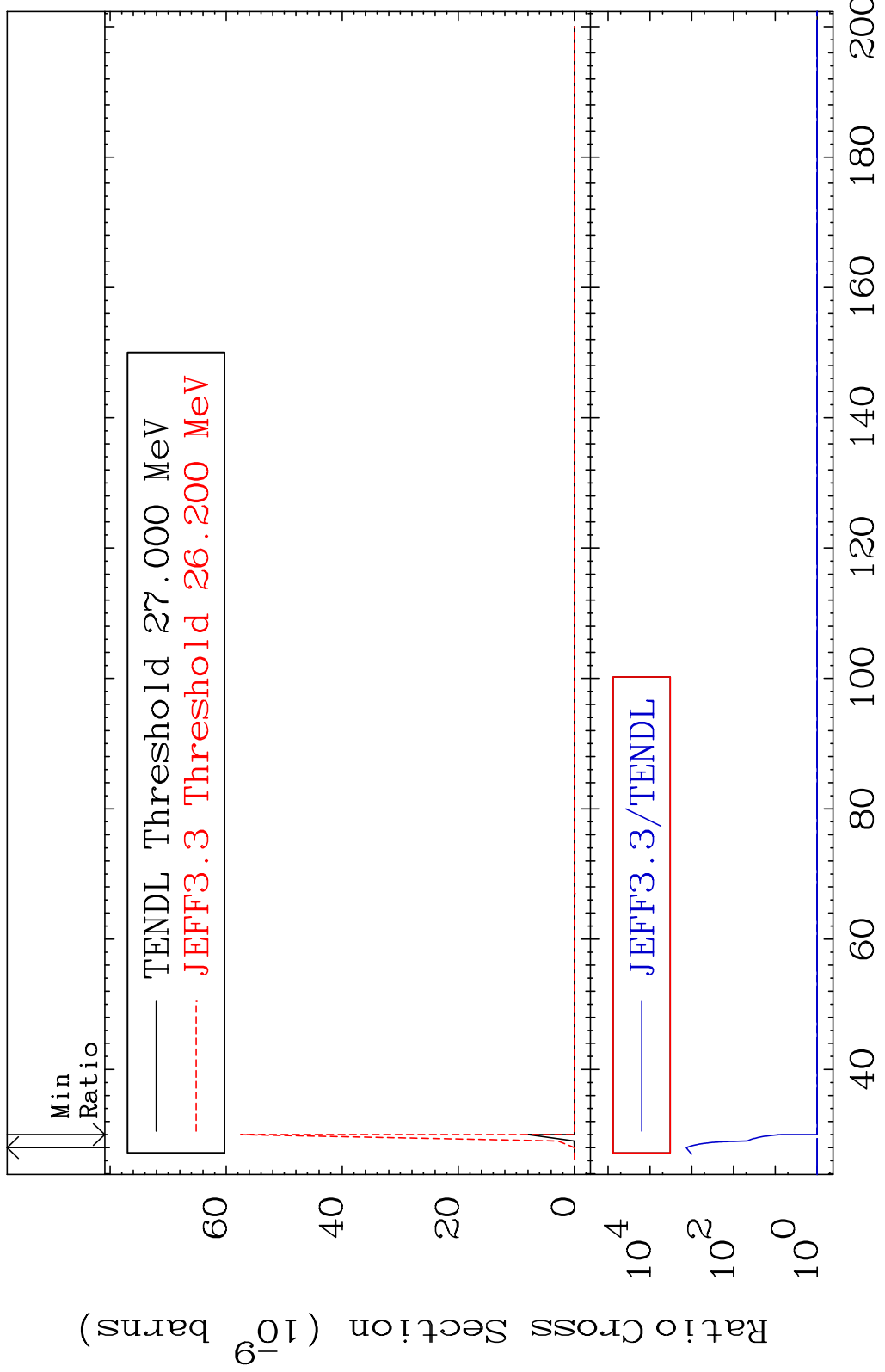
MAT 5055 (n,2n) p:49-In-120m2 50-Sn-122  
 Radionuclide Production Cross Section 10000 to 9999. %



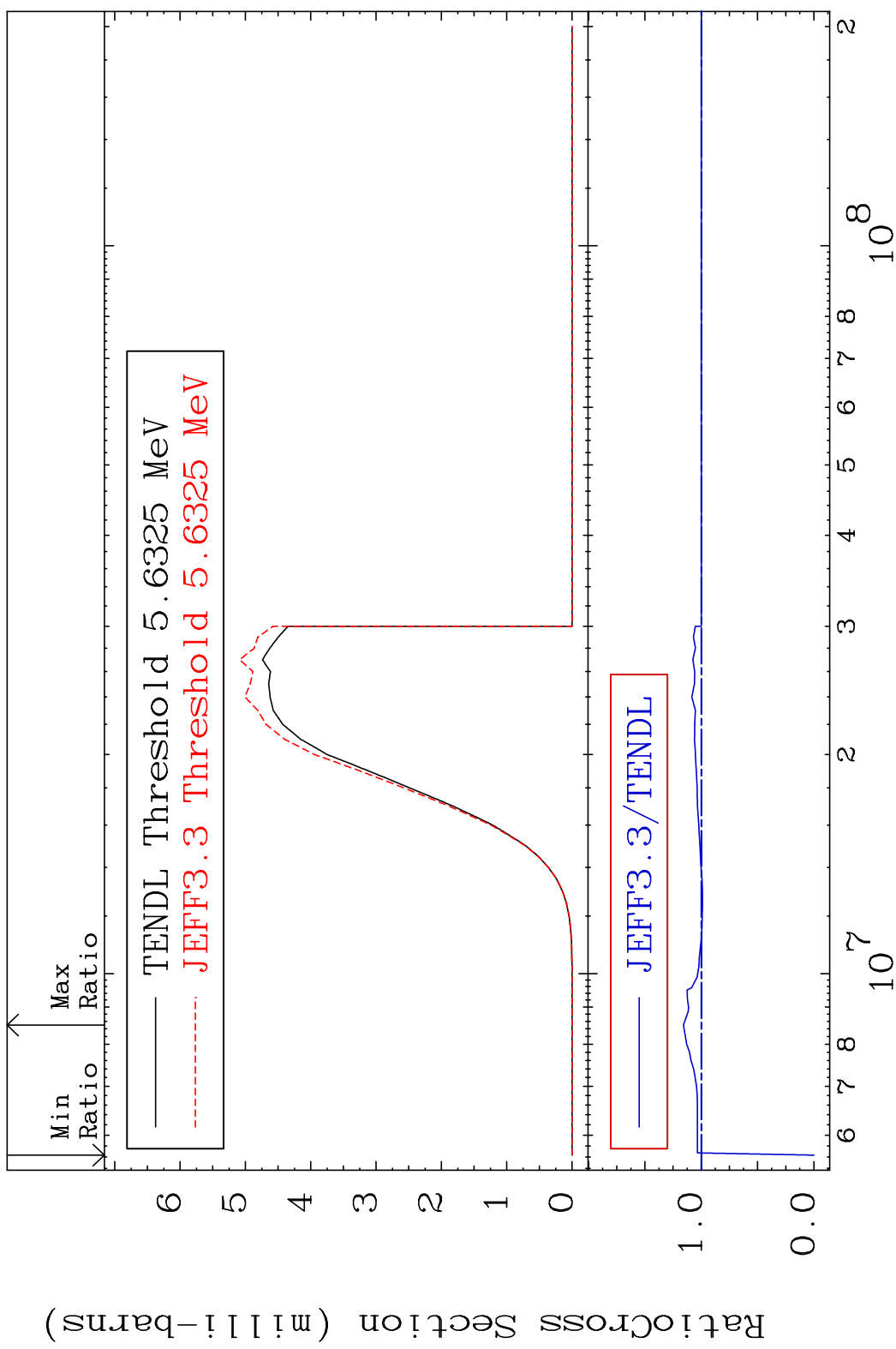
80 50-Sn-122

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

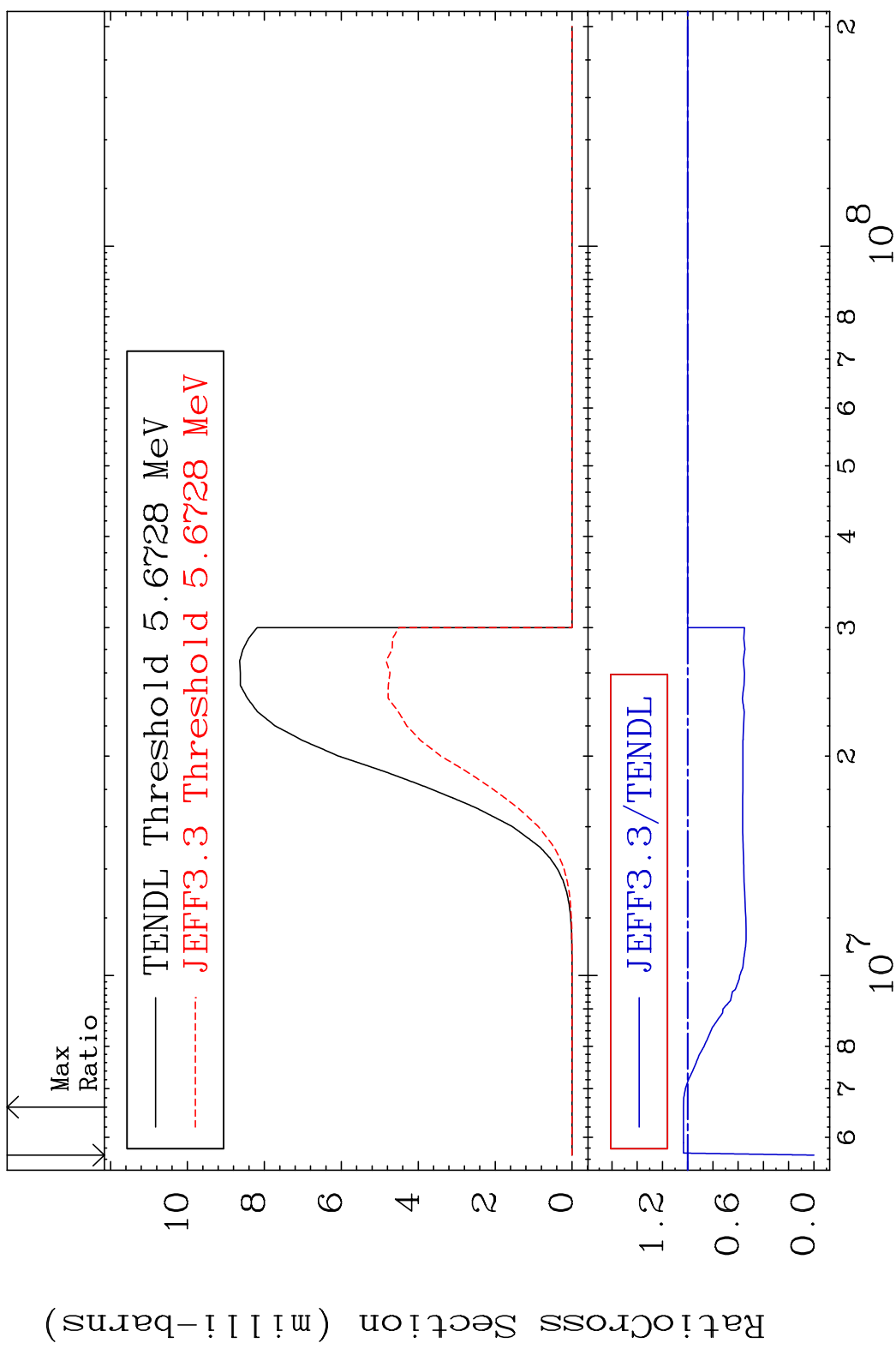




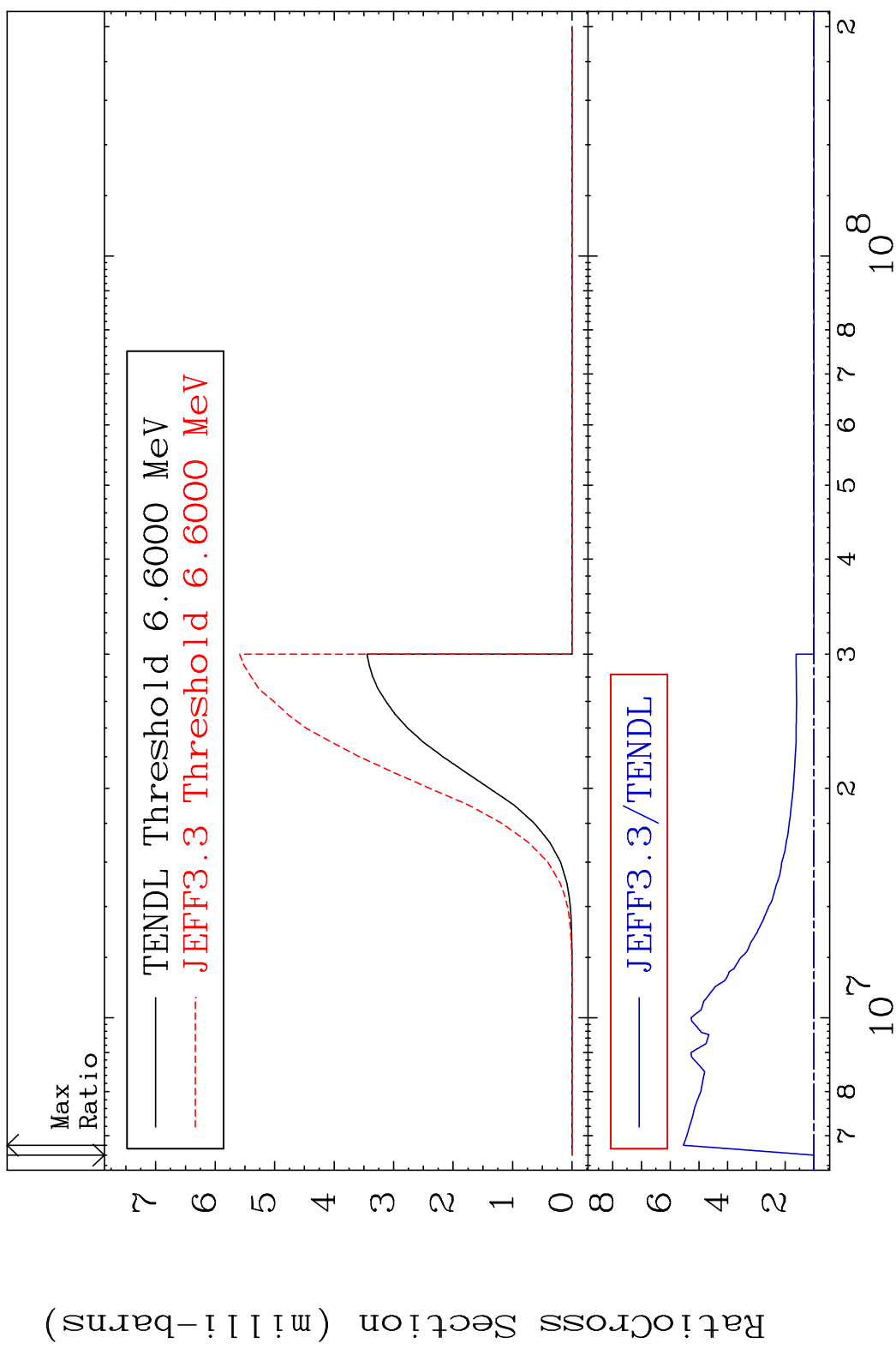
MAT 5055 (n,p):49-In-122g 50-Sn-122  
 Radionuclide Production Cross Section 18000 dpo 15.79 %



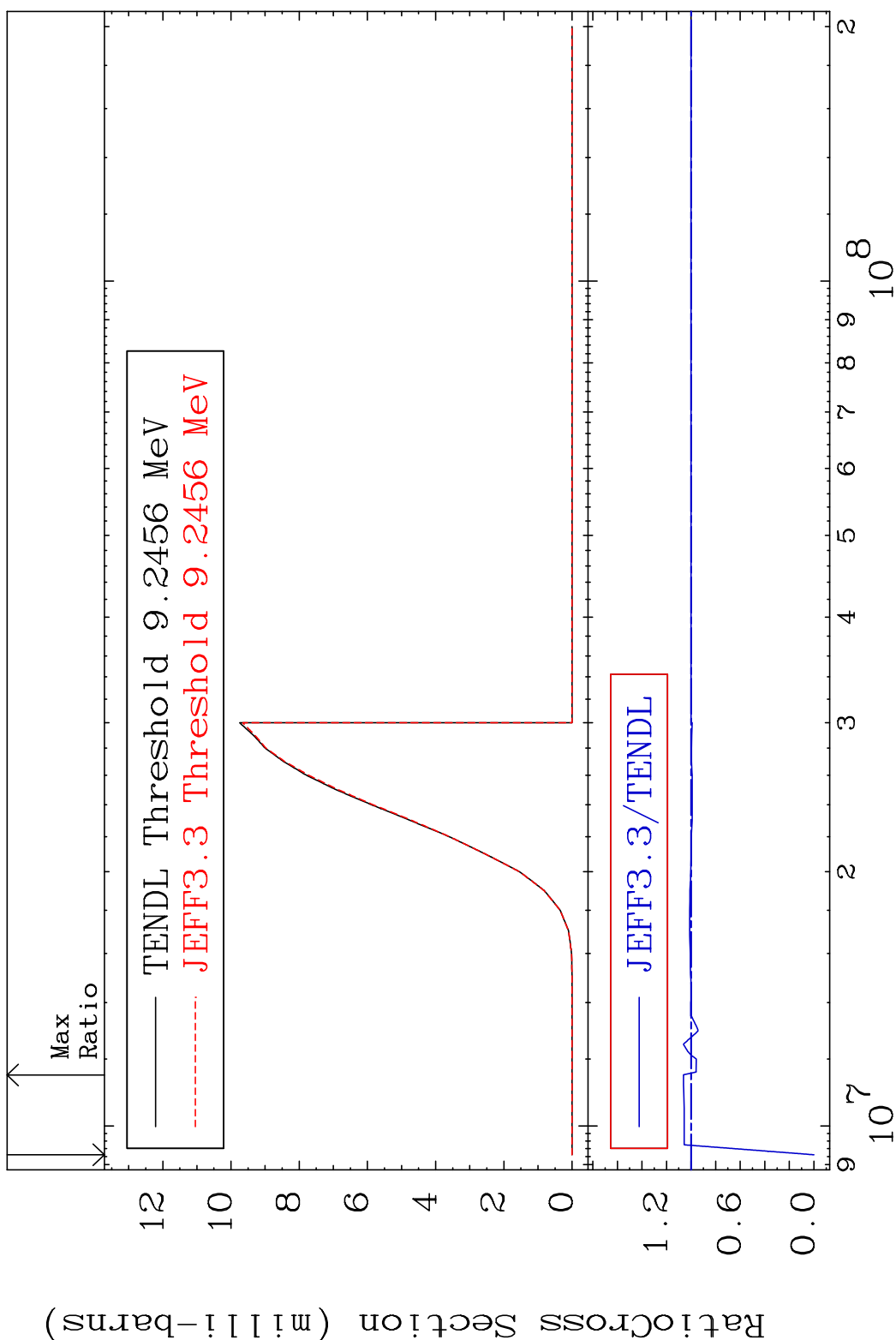
MAT 5055 (n, p) : 49-In-122m1 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 3.329 %



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

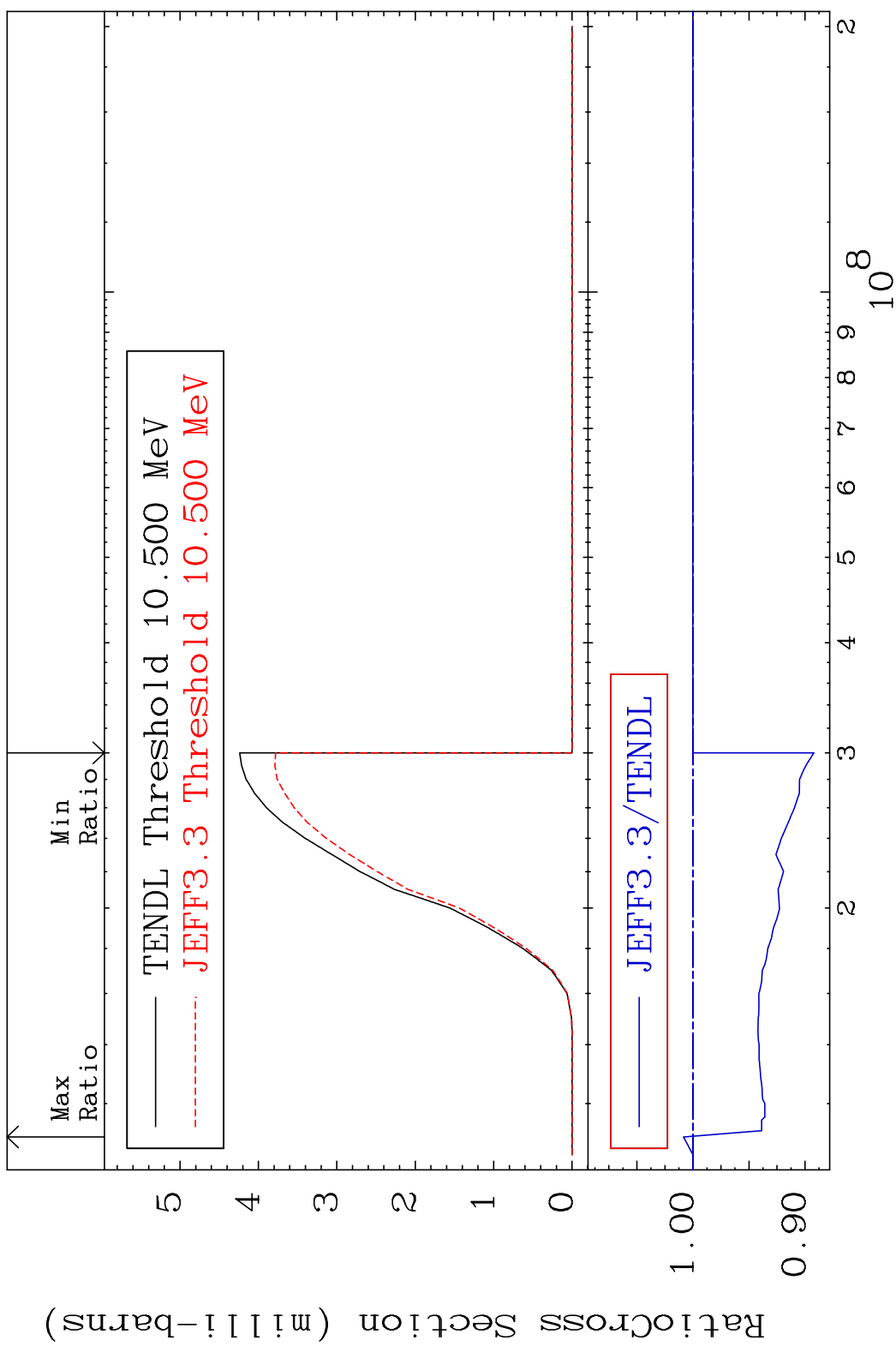


MAT 5055 (n,d):49-In-121g 50-Sn-122  
 Radionuclide Production Cross Section 180000 dth 6.202 %



86 50-Sn-122

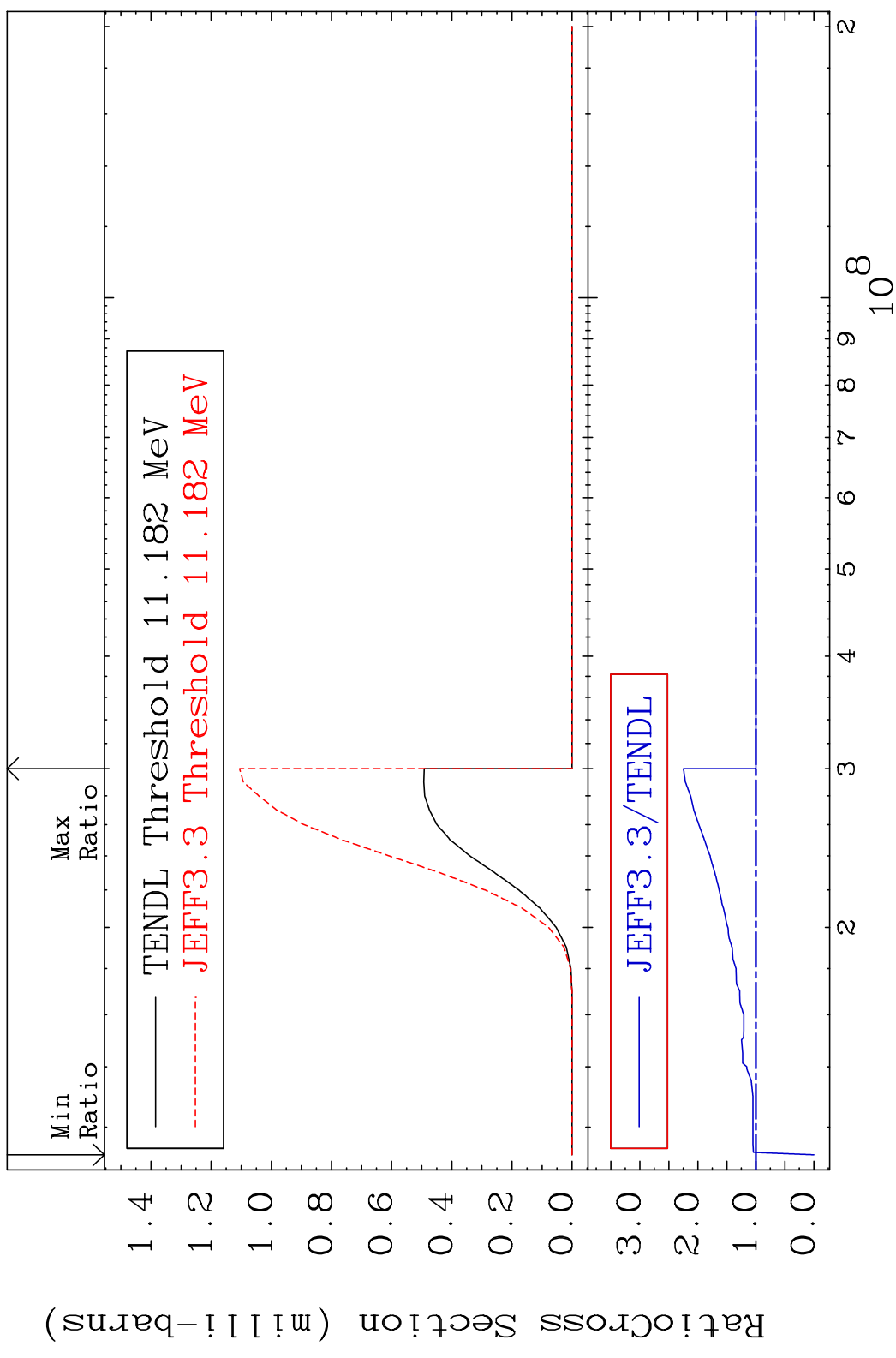
MAT 5055 (n, d): 49-In-121m1 50-Sn-122  
 Radionuclide Production Cross Section 18e79 d10 0.844 %



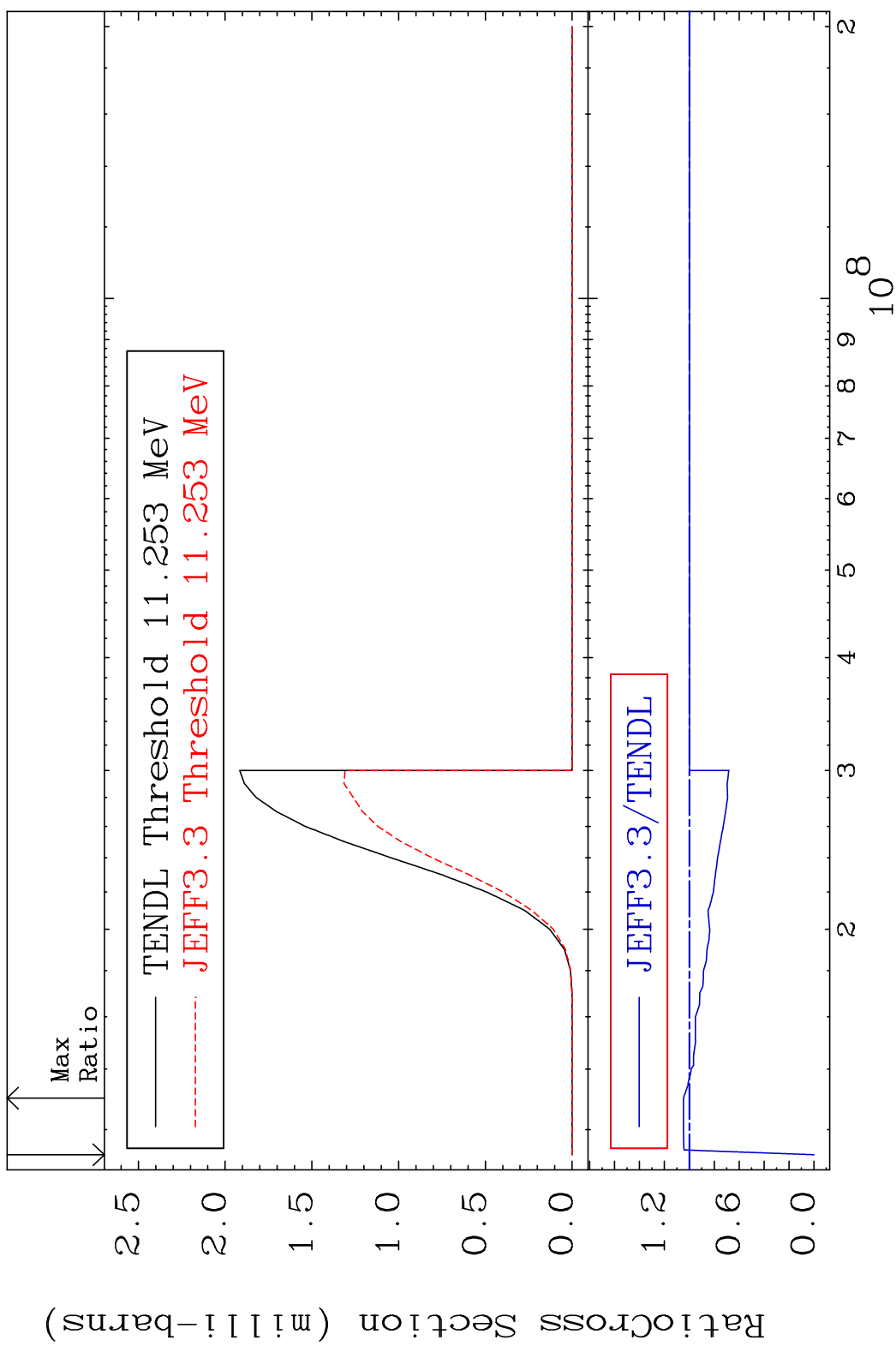
87 Incident Energy (eV) 50-Sn-122



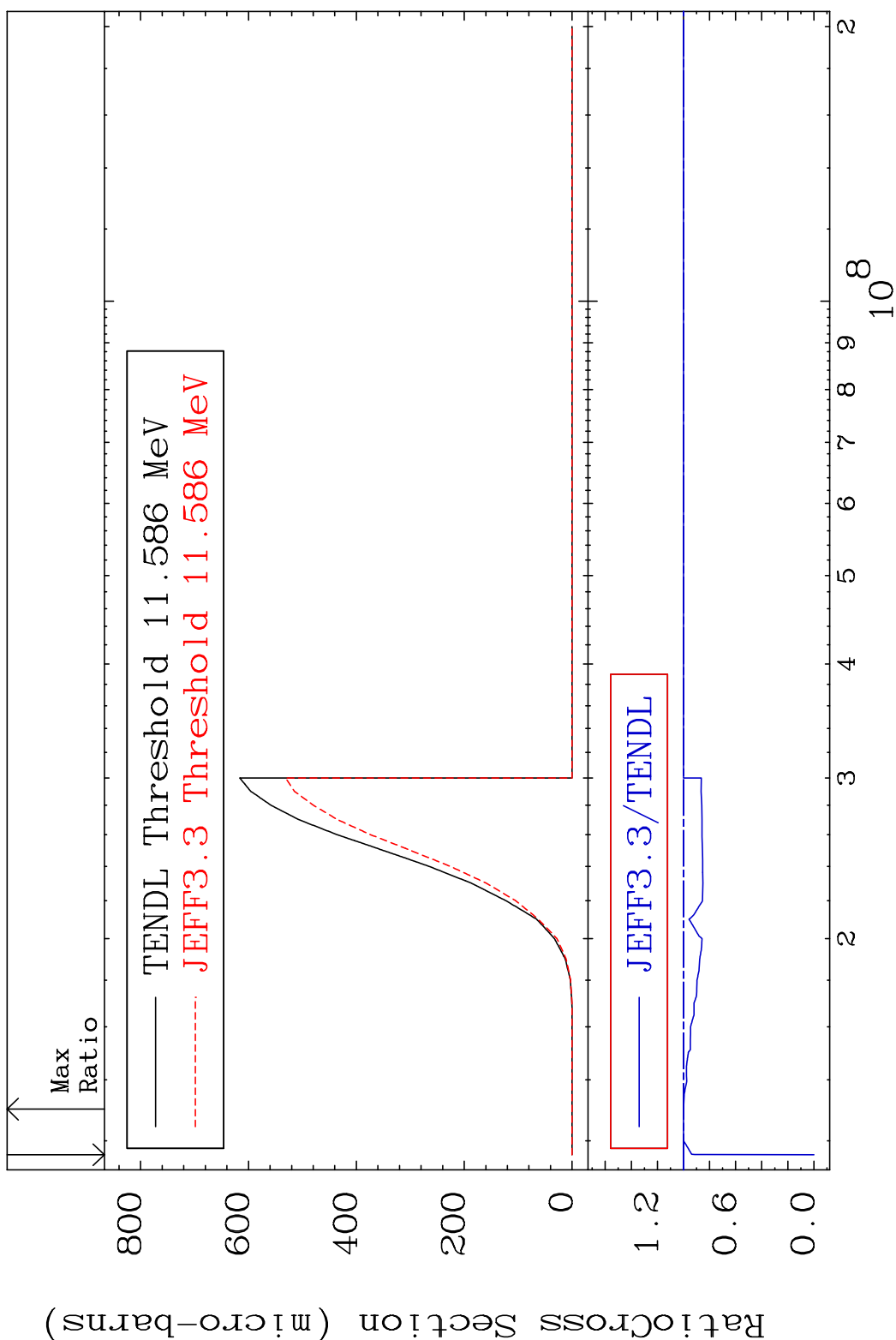
MAT 5055 (n, t): 49-In-120g 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 124.8 %



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

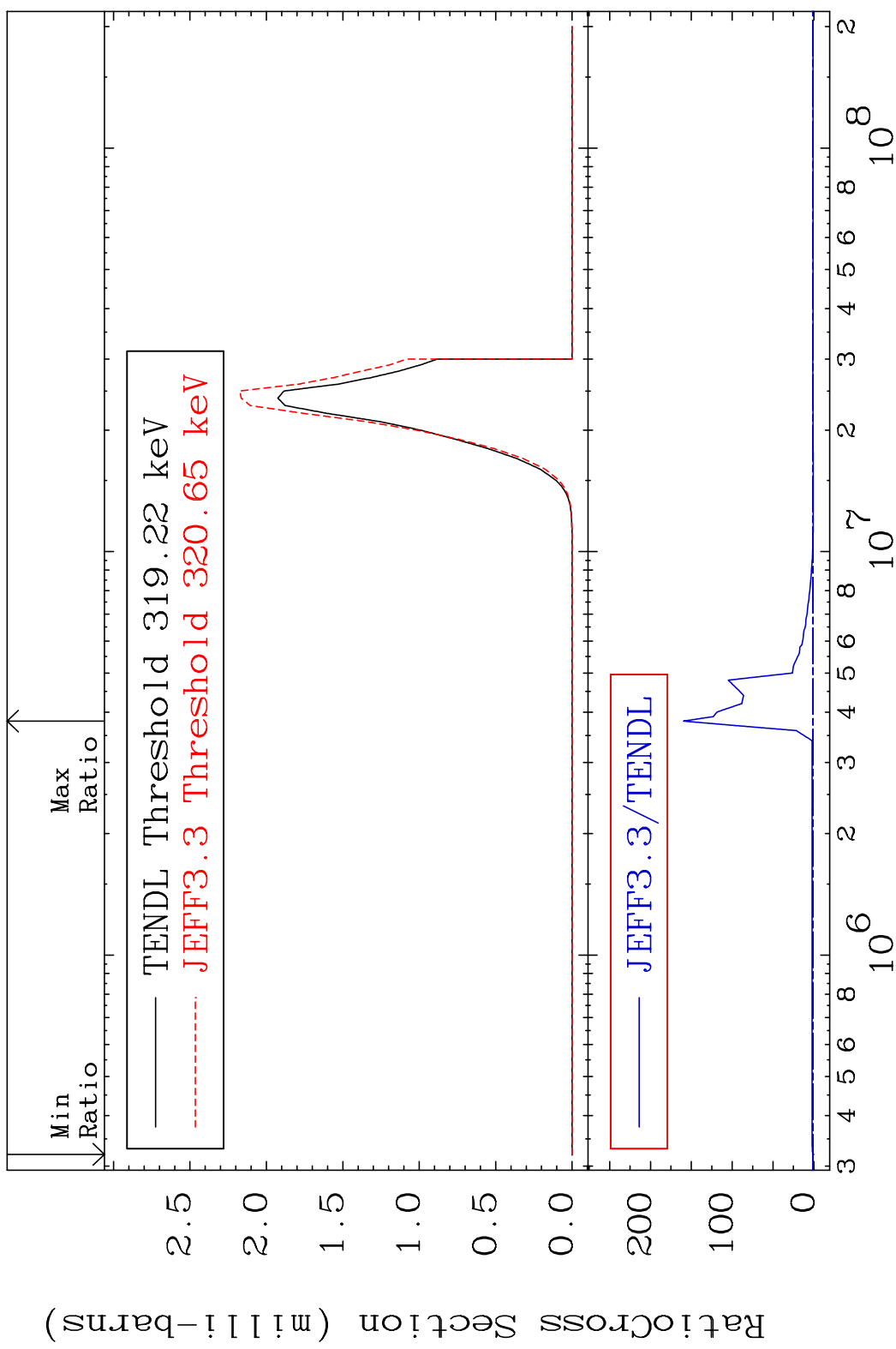


MAT 5055 (n, t):49-In-120m2 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 0.009 %



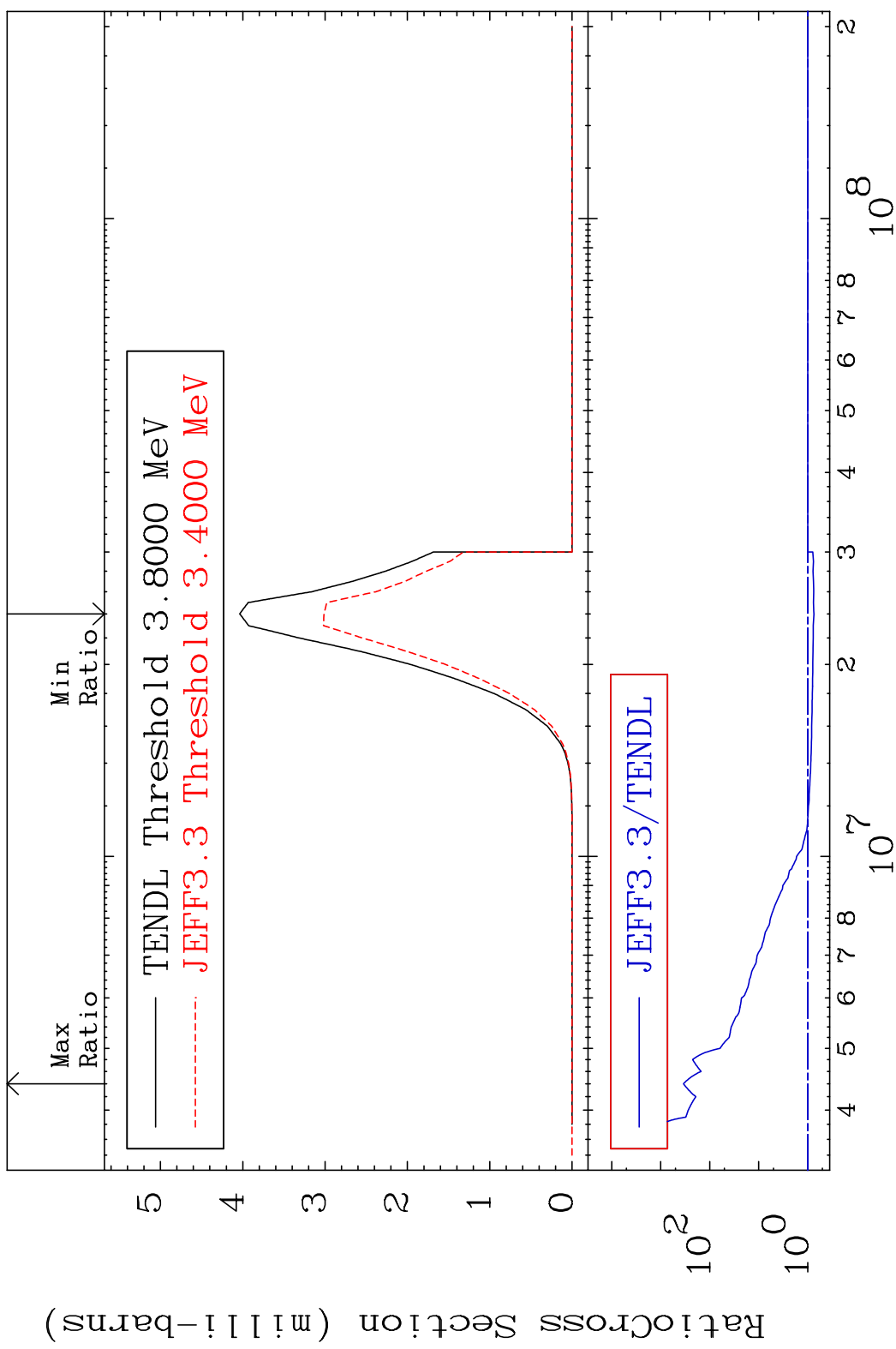
90 Incident Energy (eV) 50-Sn-122

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

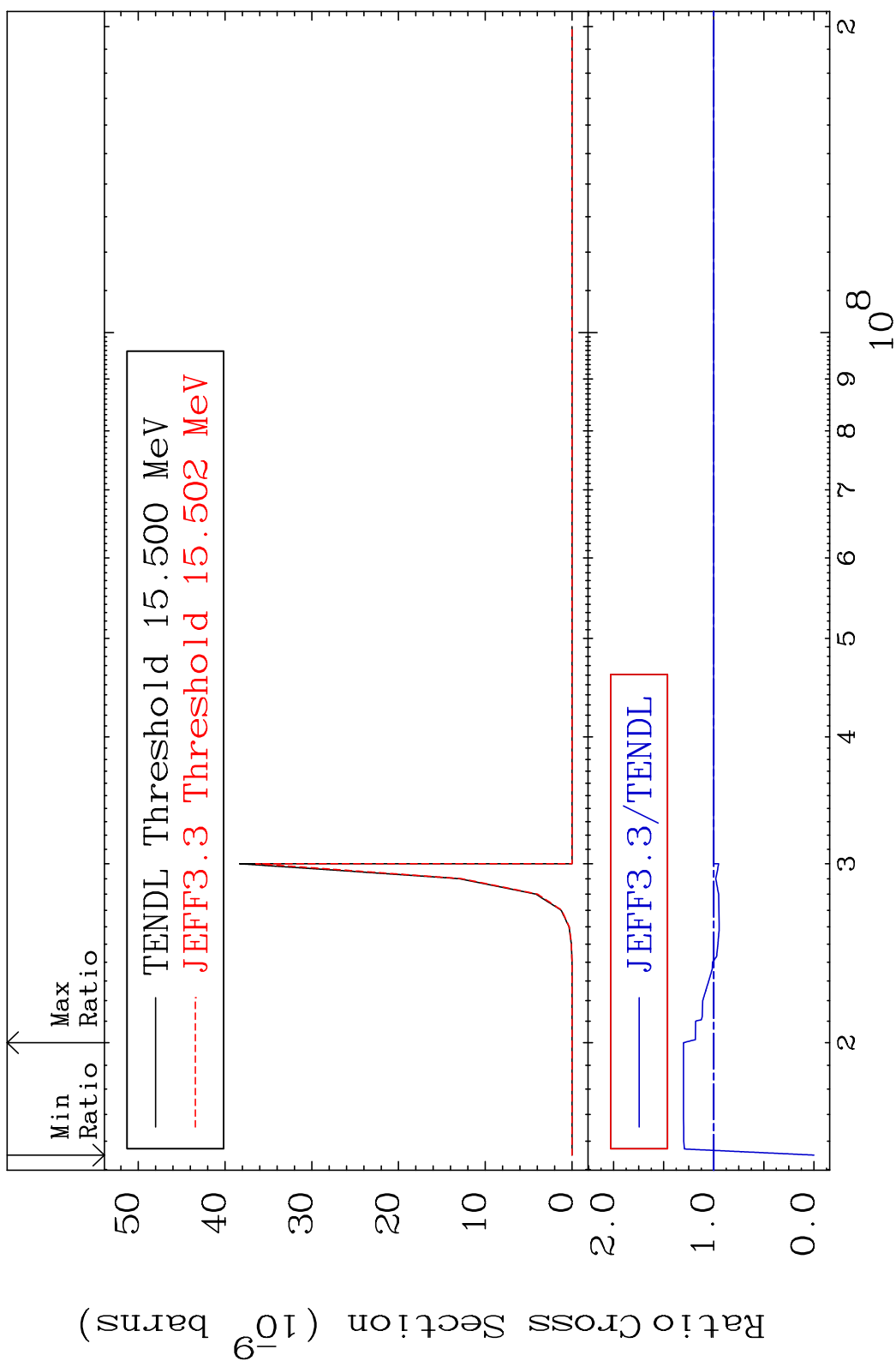


91 Incident Energy (eV) 50-Sn-122

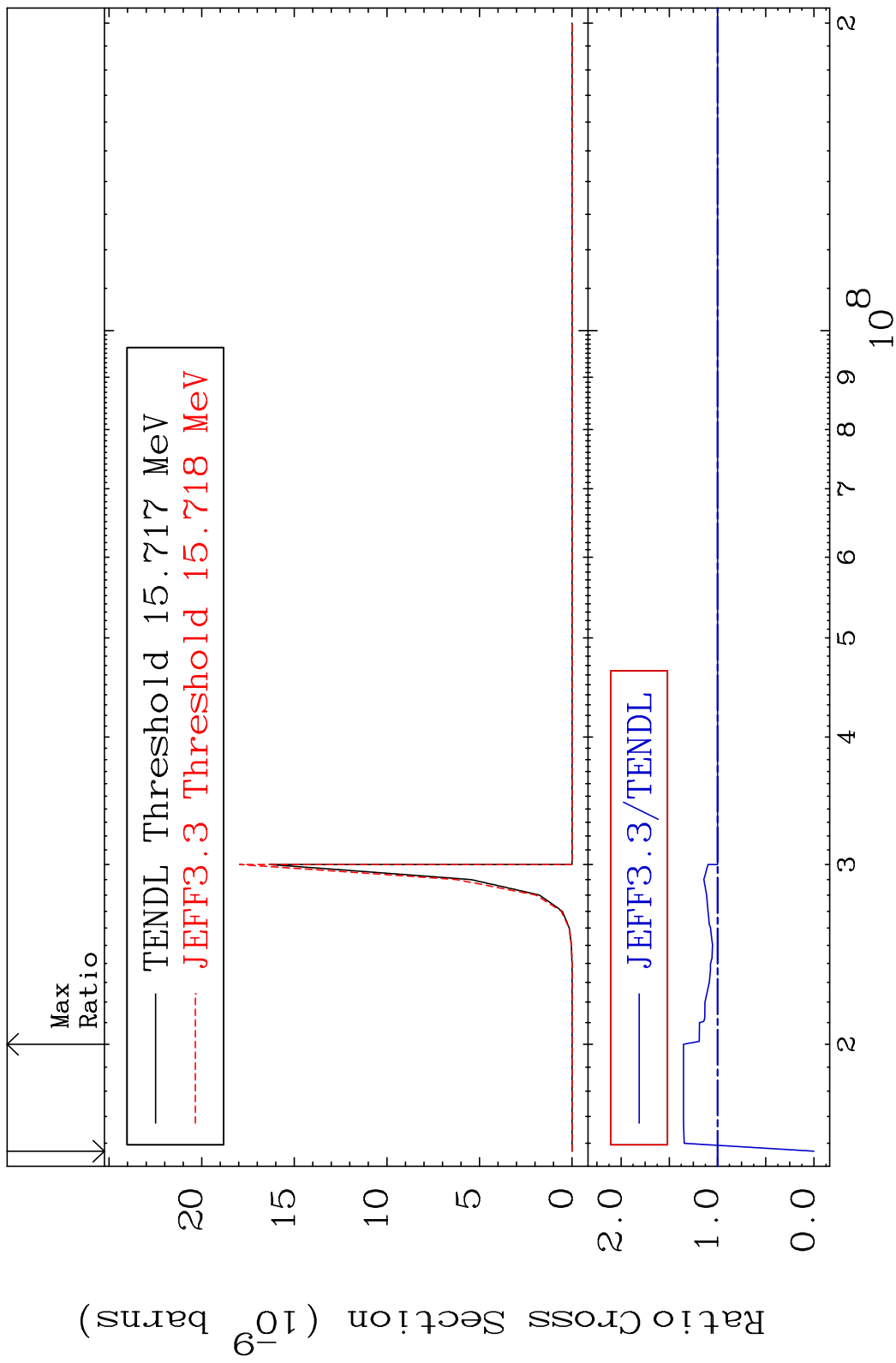
MAT 5055 (n,  $\alpha$ ): 48-Cd-119m2 50-Sn-122  
 Radionuclide Production Cross Section to 9999. %

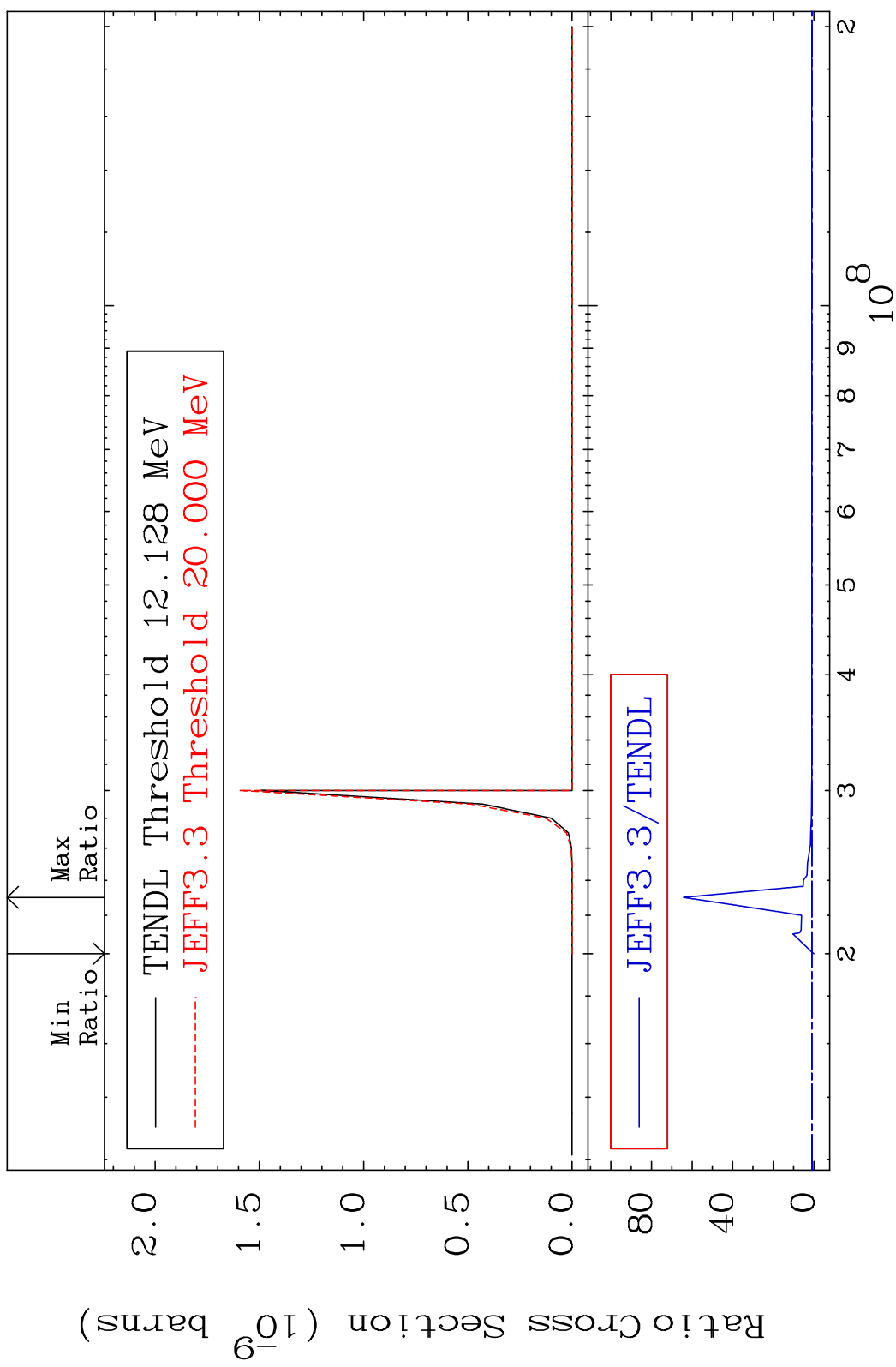


MAT 5055 (n,2p) : 48-Cd-121g 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 30.26 %



MAT 5055 (n, 2p) : 48-Cd-121m2 50-Sn-122  
 Radionuclide Production Cross Section 1800.0 d to 35.27 %







MAT 5055 (n, p)  $\alpha$ : 47-Ag-118m4 50-Sn-122  
 Radionuclide Production Cross Section 180000 dpo 3258. %

