

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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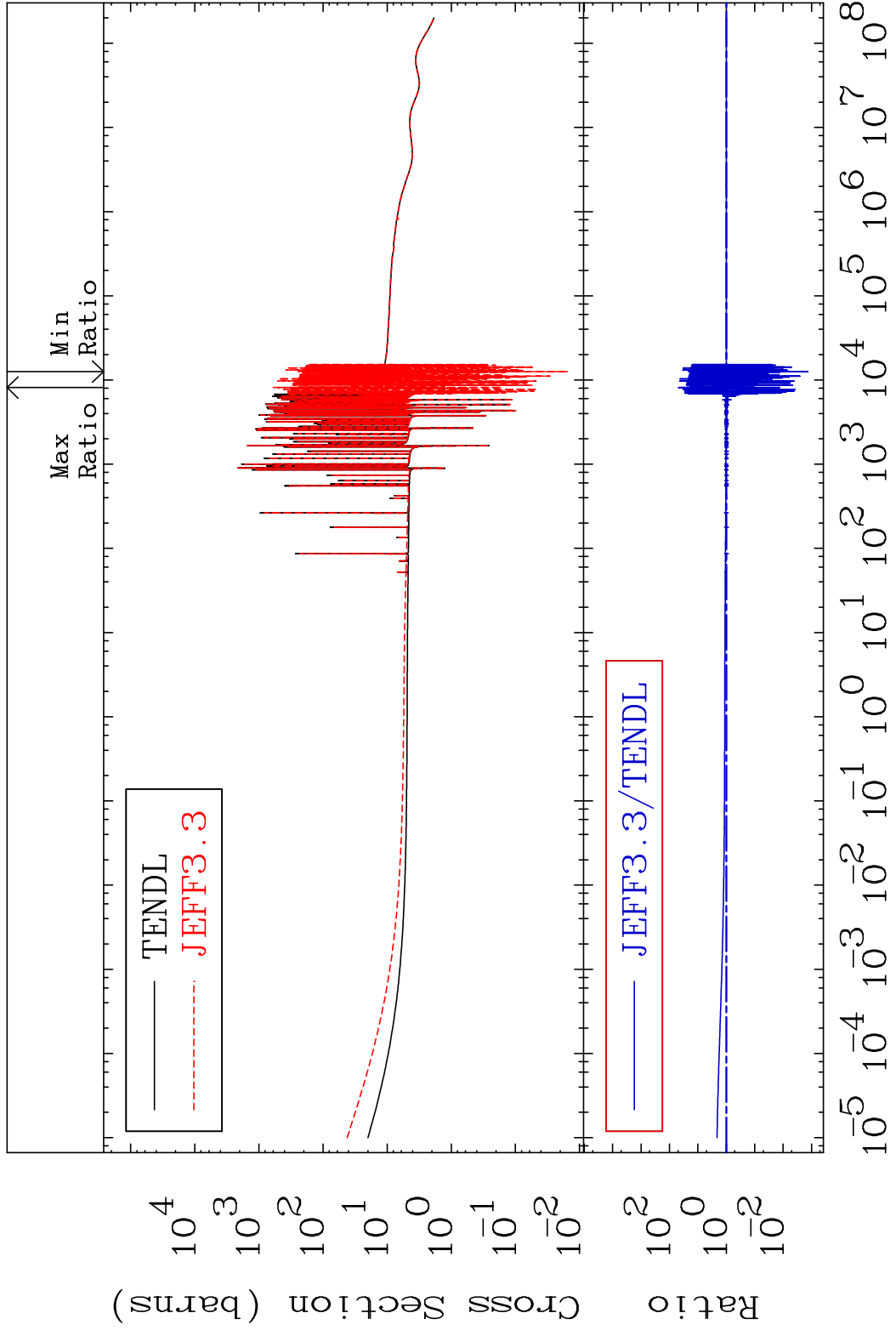
U.S.A.

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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

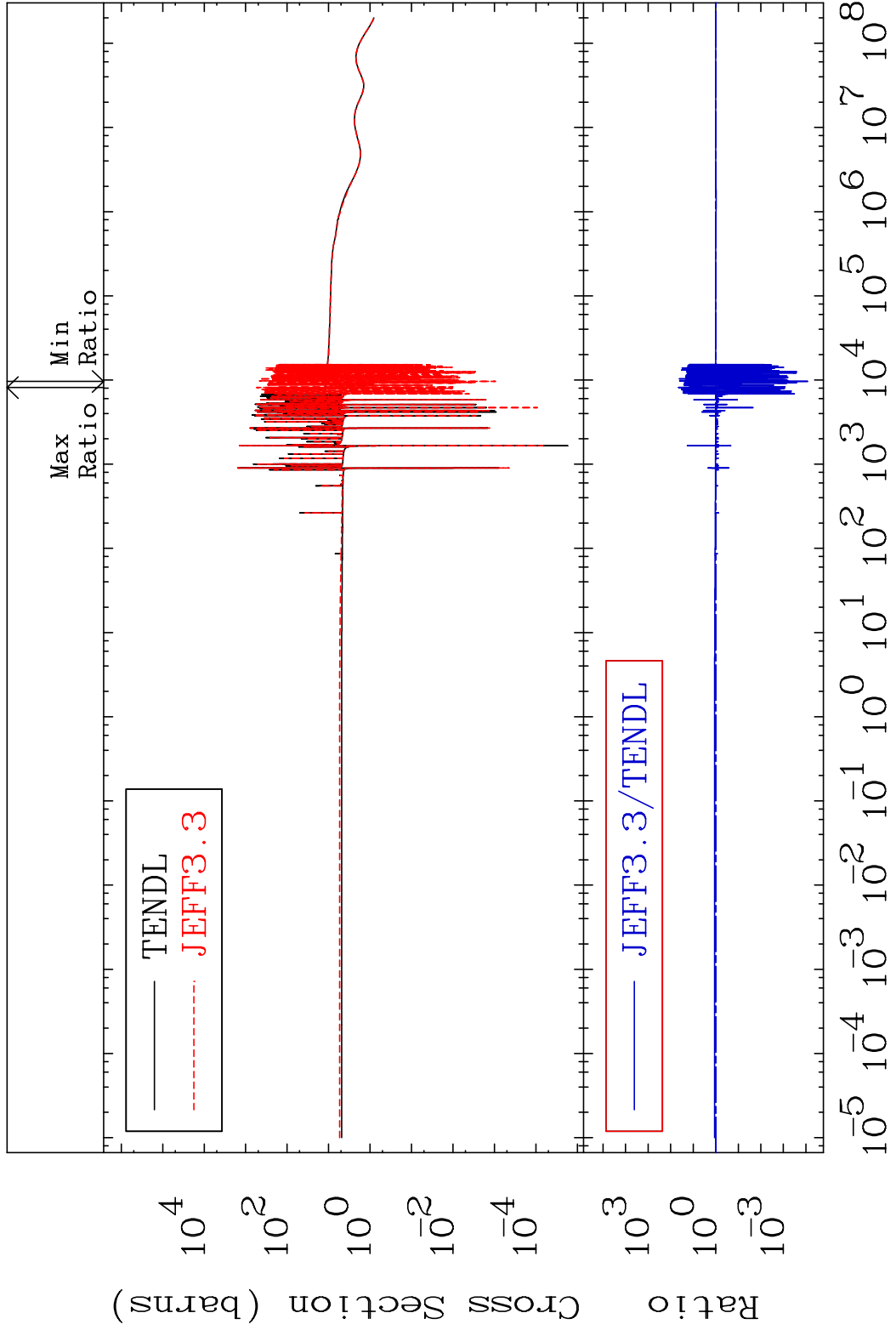
Press Mouse Button to Start

MAT 4649      Total      46-Pd-110  
Cross Section      -99.86 To 4787. %

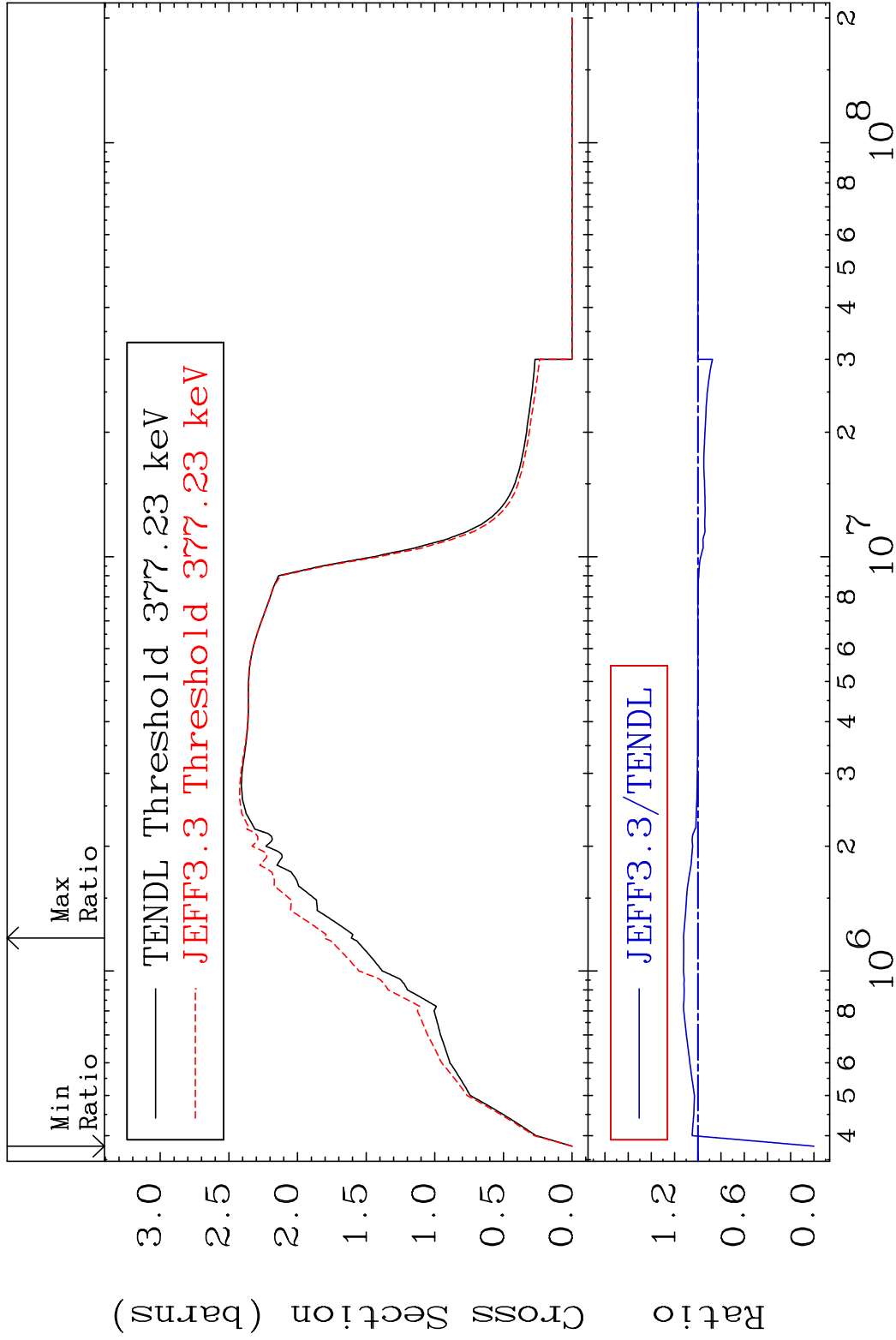


1      Incident Energy (eV)      46-Pd-110

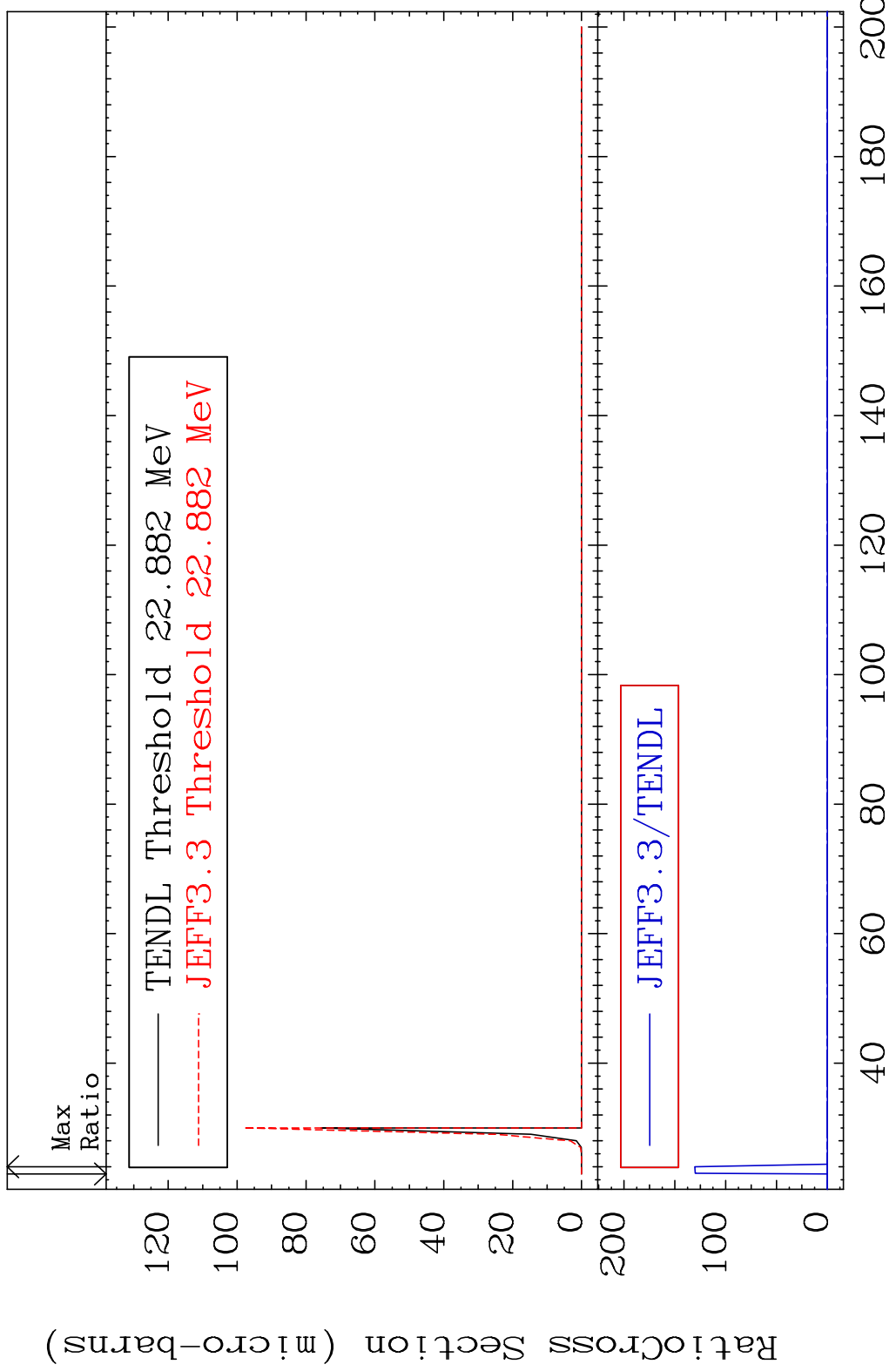
MAT 4649                      Elastic                      46-Pd-110  
 Cross Section                      -99.99 To 4486. %



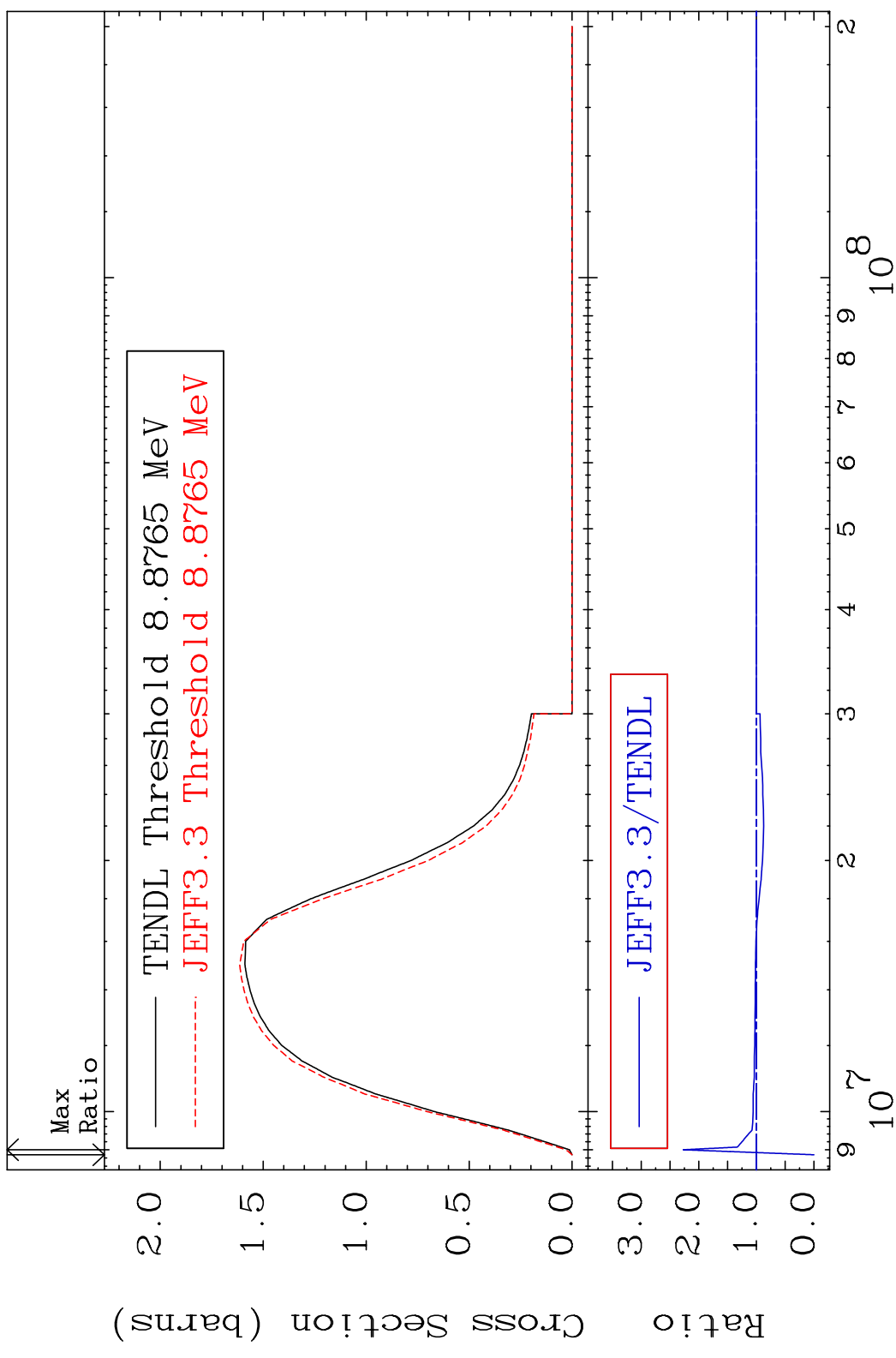
MAT 4649 Inelastic 46-Pd-110  
 Cross Section -100.0 To 12.37 %



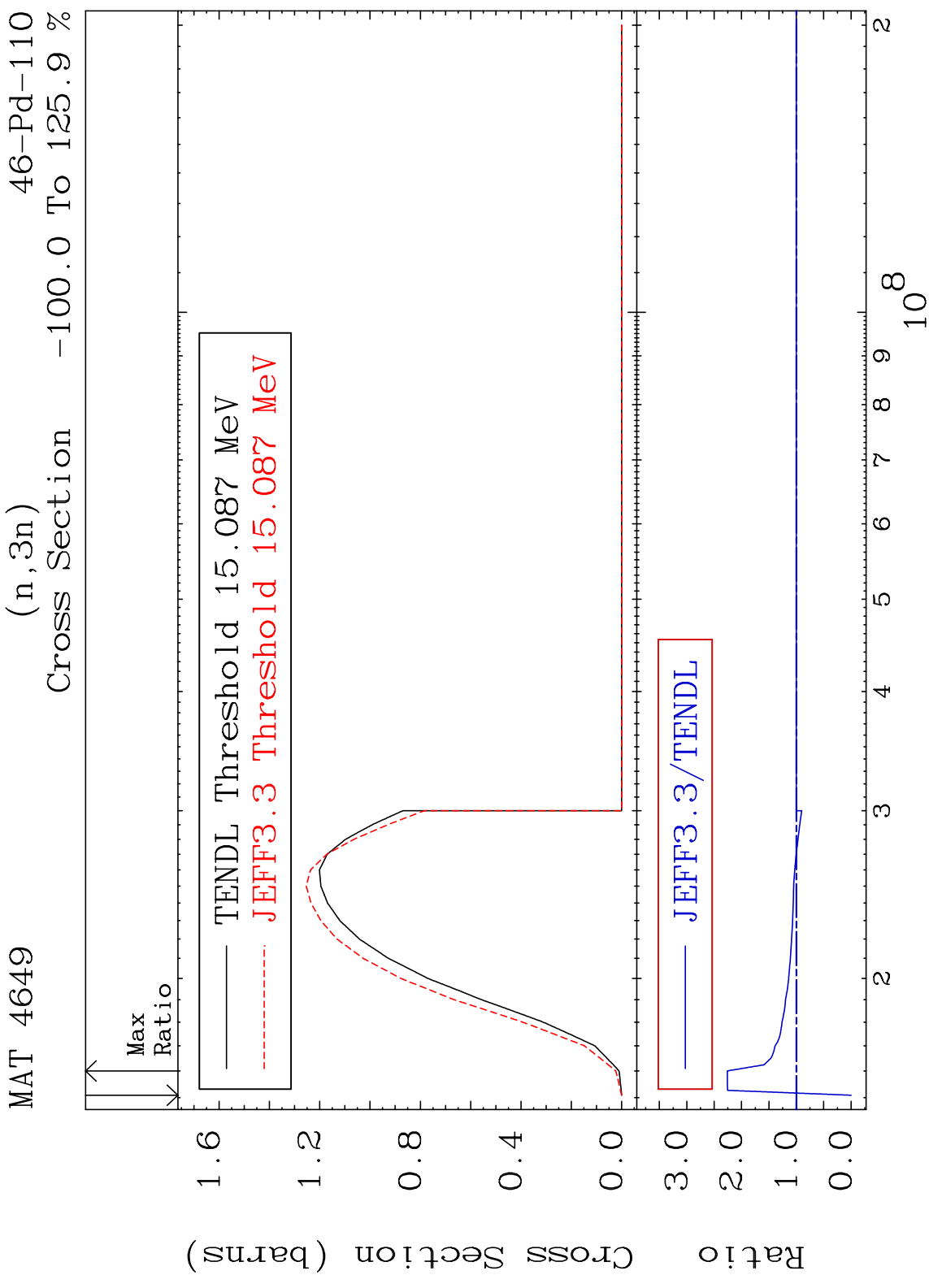
MAT 4649 (n,2n) d 46-Pd-110  
Cross Section -100.0 To 9999. %



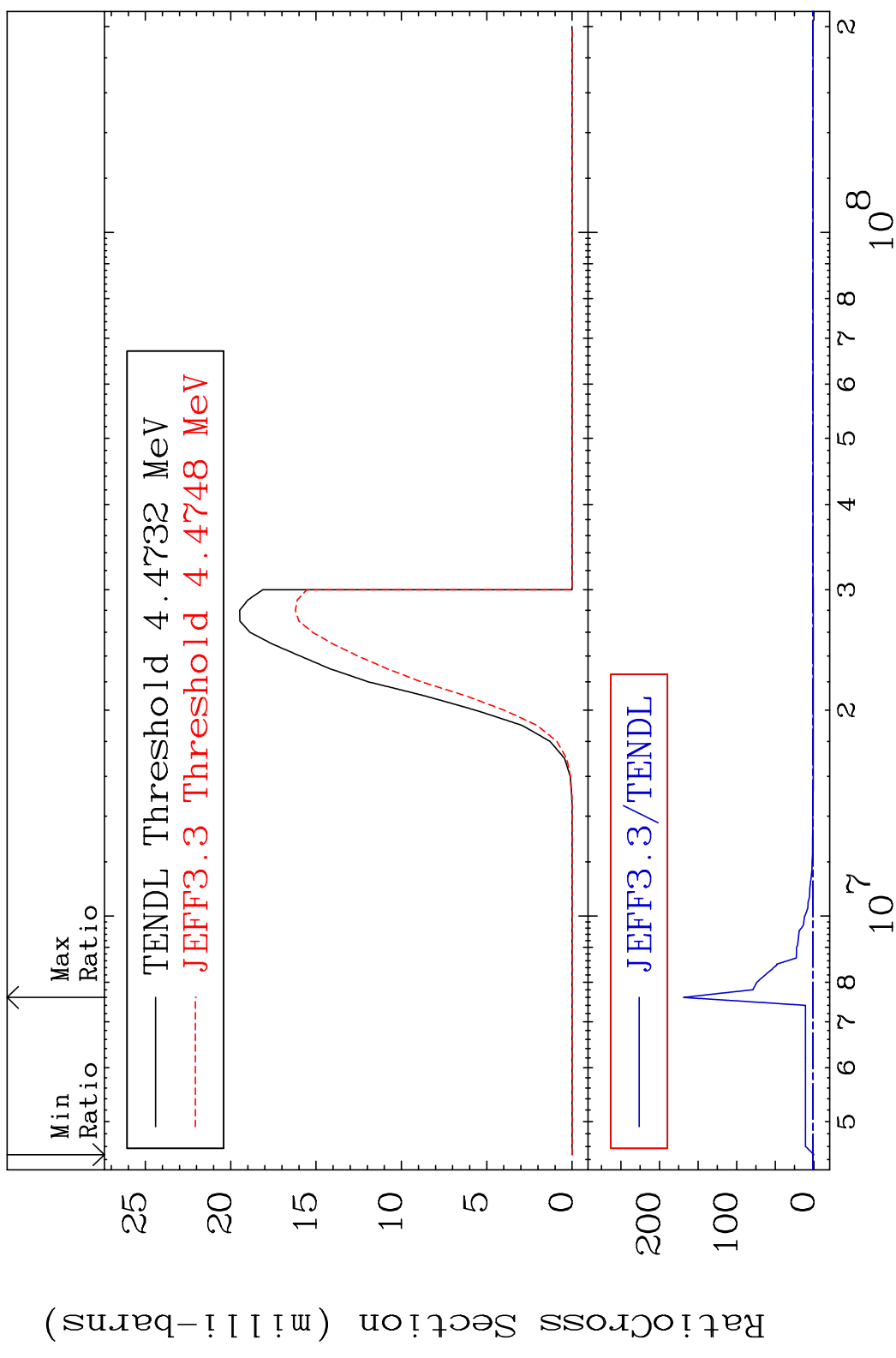
MAT 4649 (n,2n) 46-Pd-110  
 Cross Section -100.0 To 126.6 %



5 Incident Energy (eV) 46-Pd-110



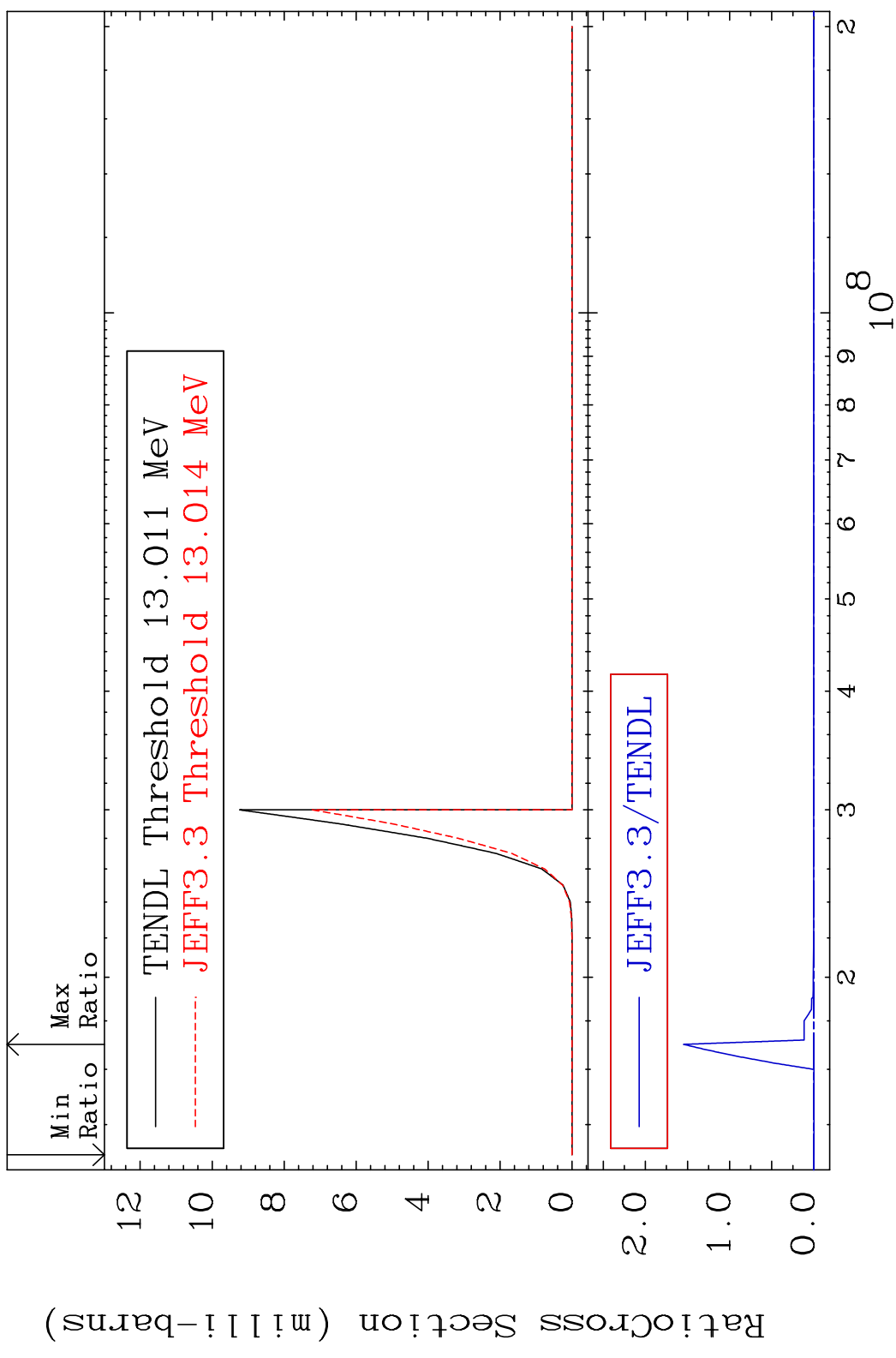
MAT 4649 (n, n')  $\alpha$  46-Pd-110  
 Cross Section -100.0 To 9999. %



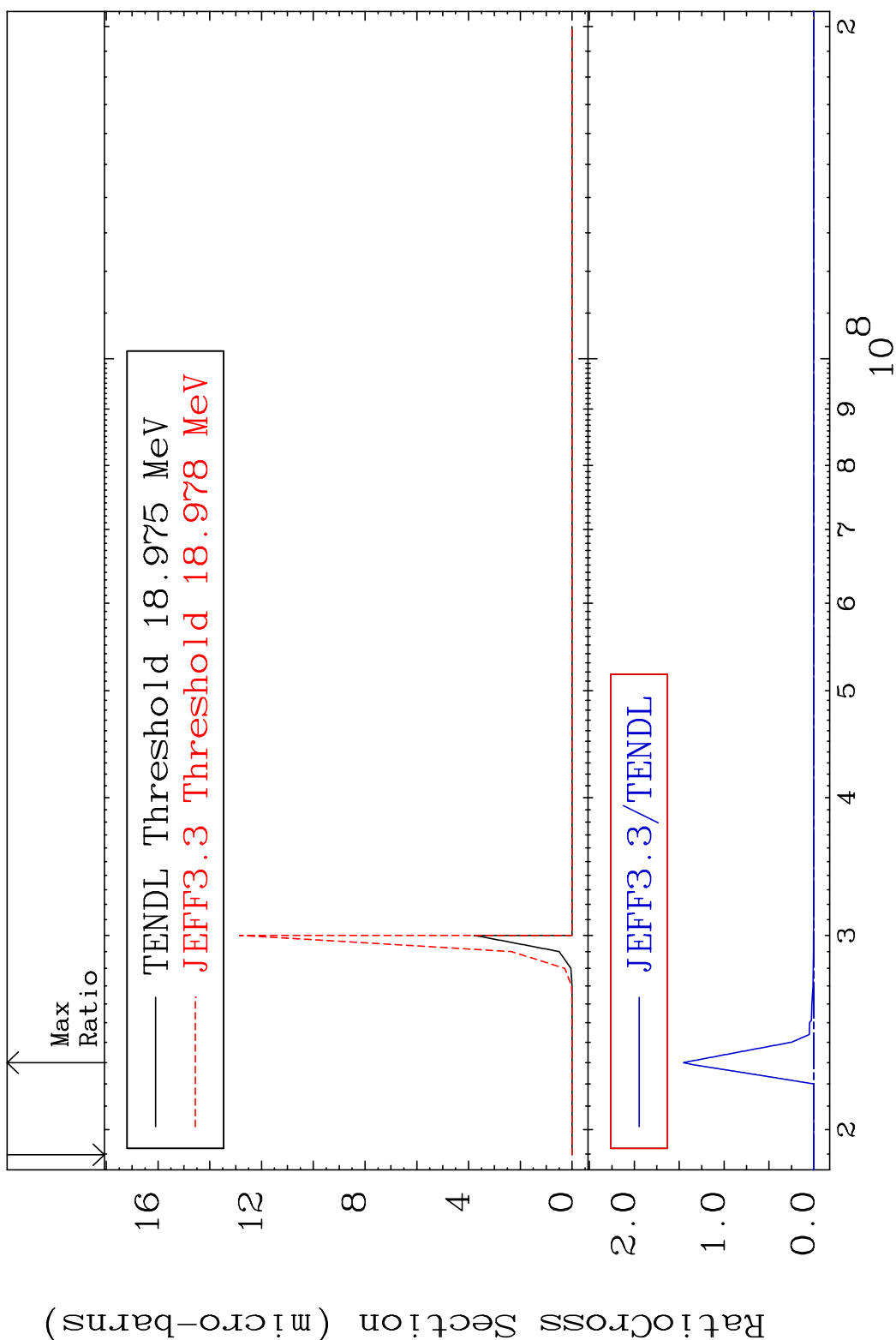
7 46-Pd-110



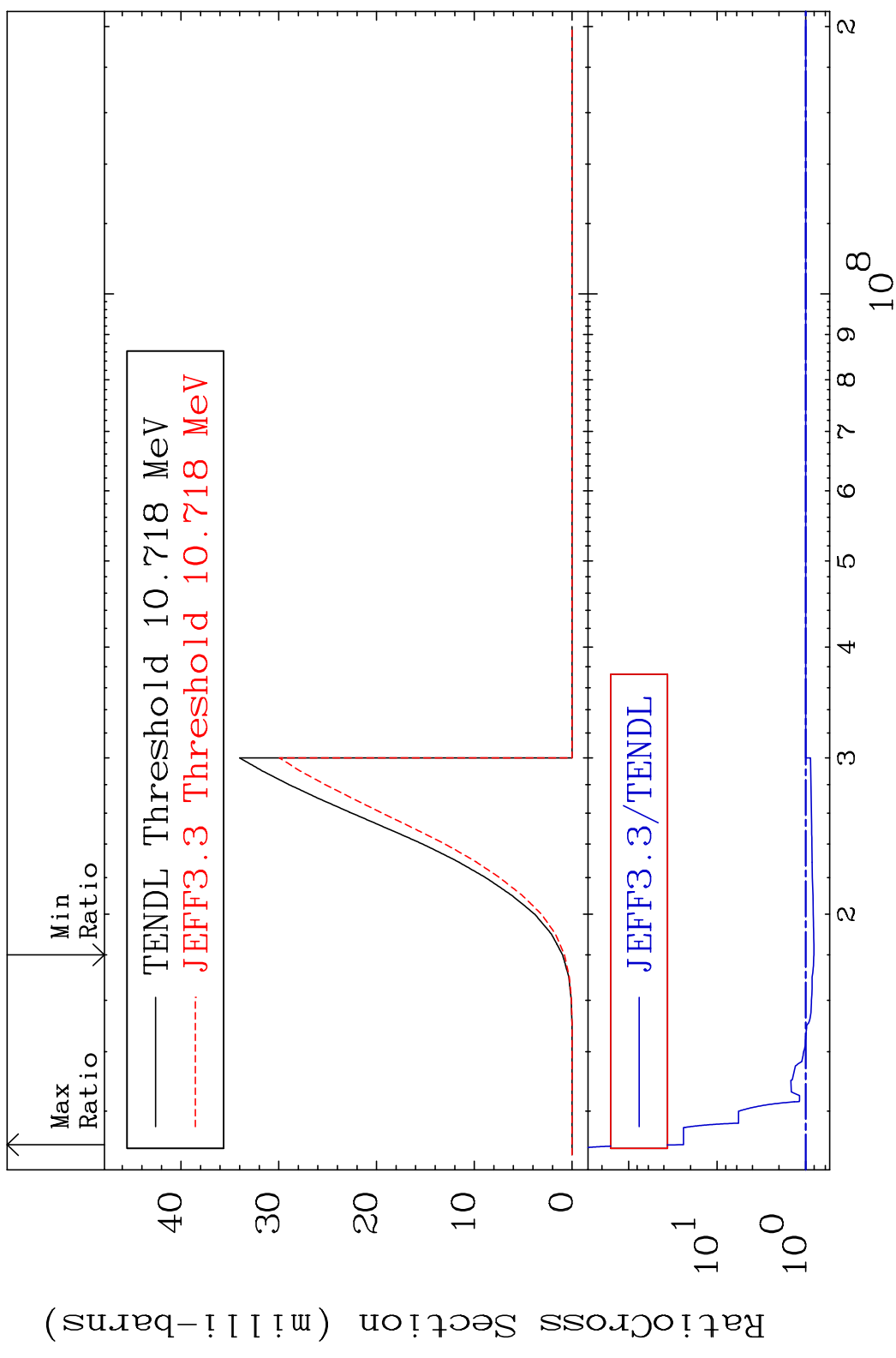
MAT 4649 (n,2n)  $\alpha$  46-Pd-110  
 Cross Section -100.0 To 9999. %



MAT 4649 (n,3n)  $\alpha$  46-Pd-110  
 Cross Section -100.0 To 9999. %

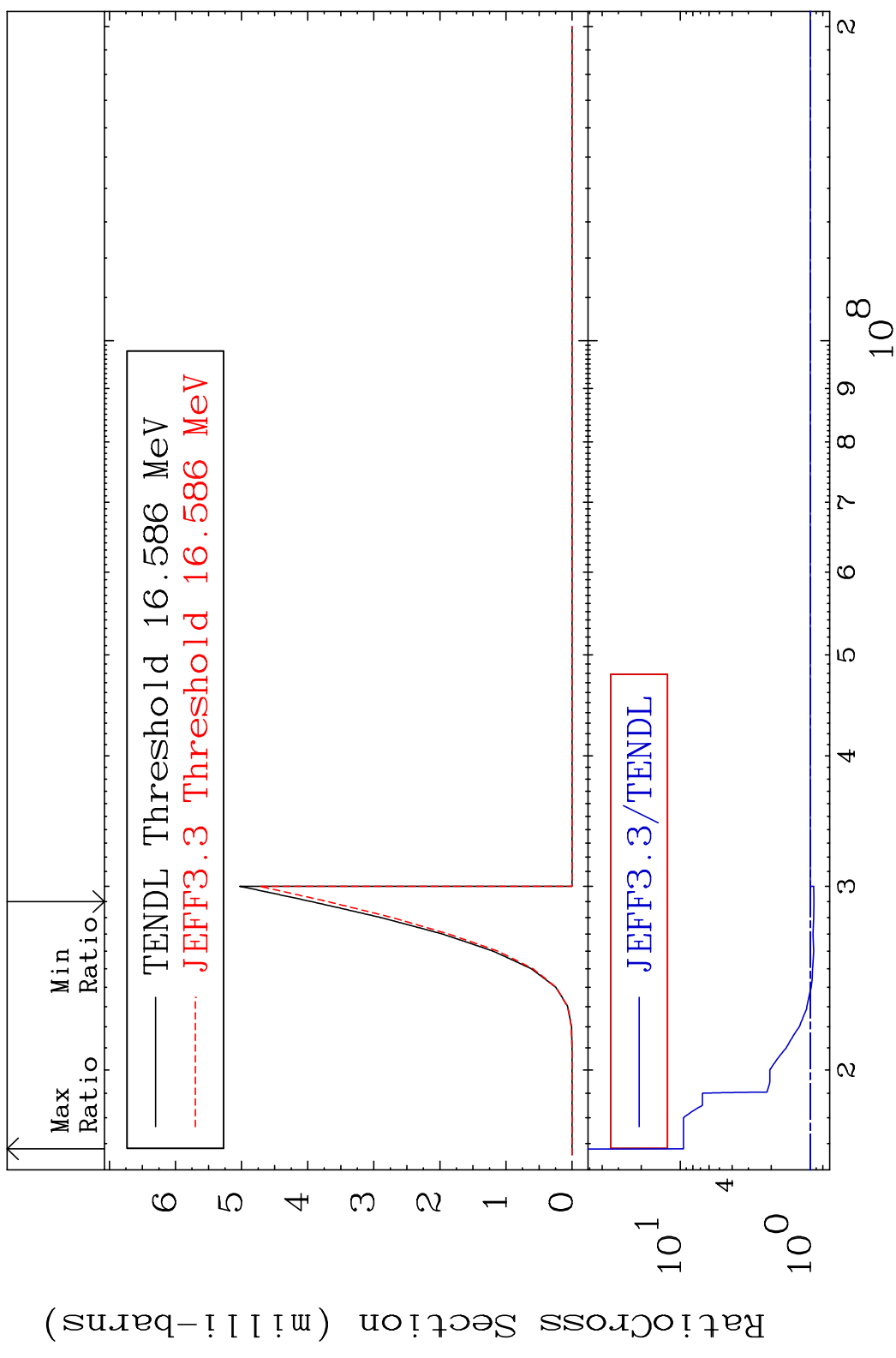


MAT 4649 (n, n') p 46-Pd-110  
 Cross Section -19.24 To 2303. %



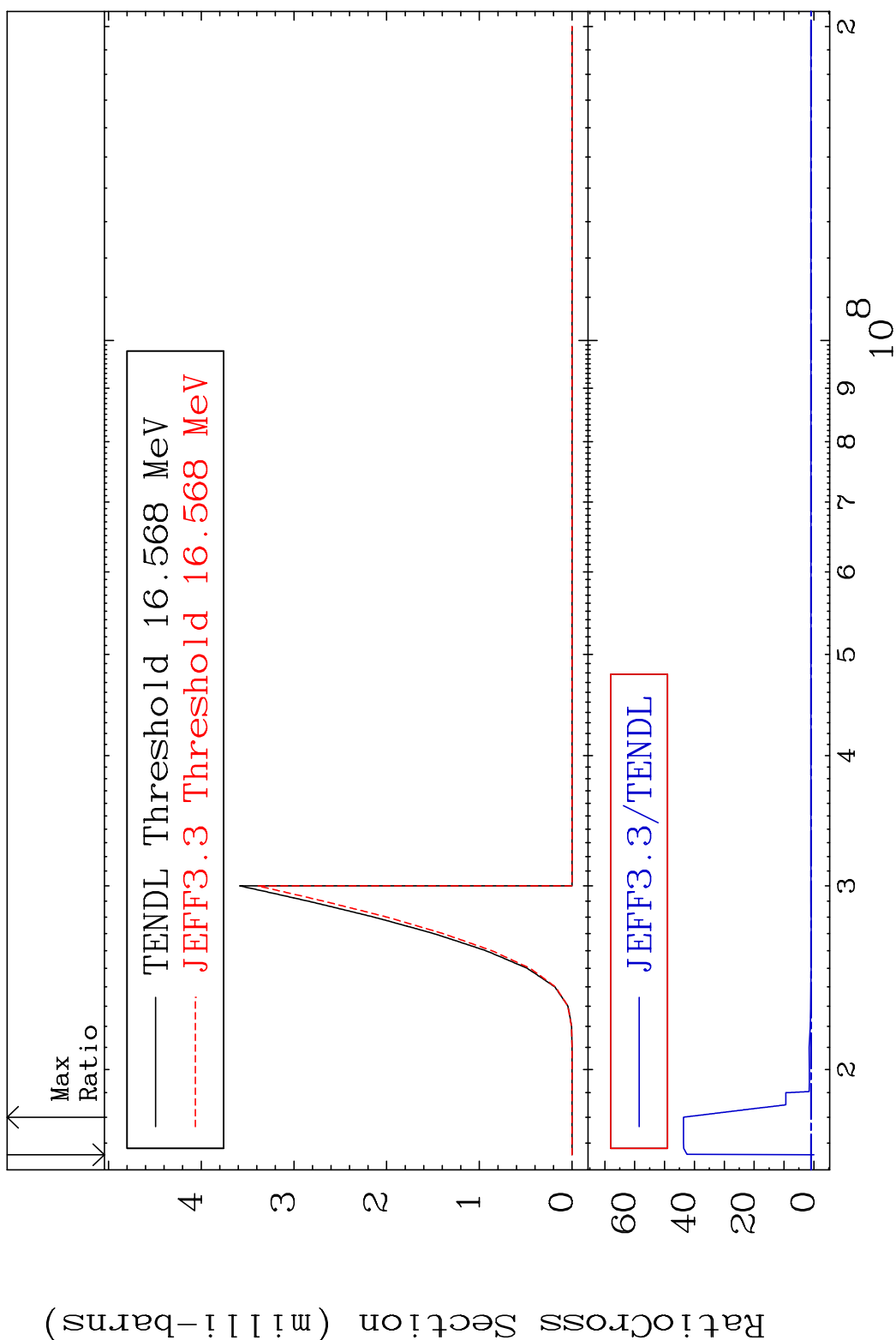
10 Incident Energy (eV) 46-Pd-110

MAT 4649 (n, n') d 46-Pd-110  
 Cross Section -6.160 To 846.4 %



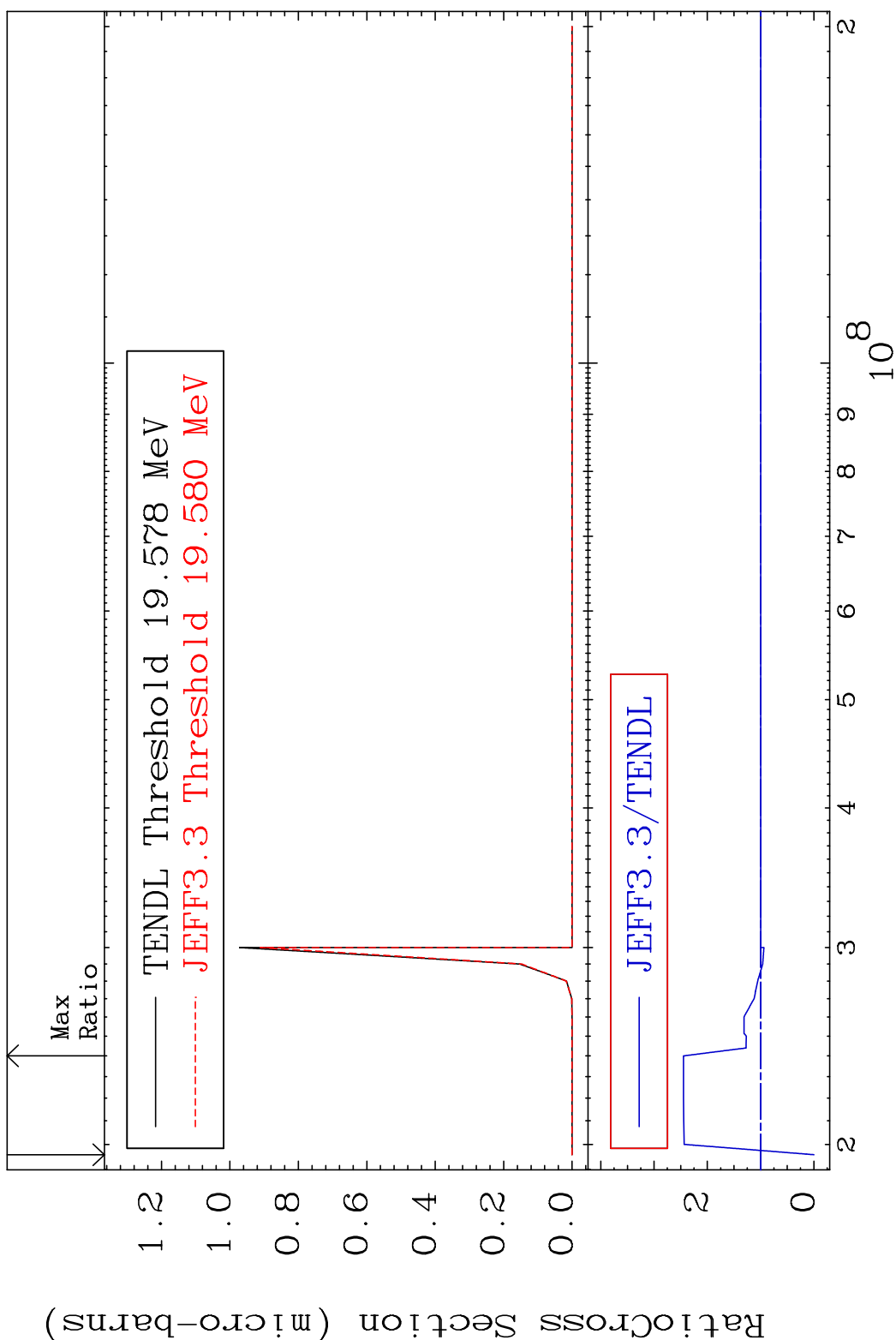
11 Incident Energy (eV) 46-Pd-110

MAT 4649 (n, n') t 46-Pd-110  
 Cross Section -100.0 To 4267. %

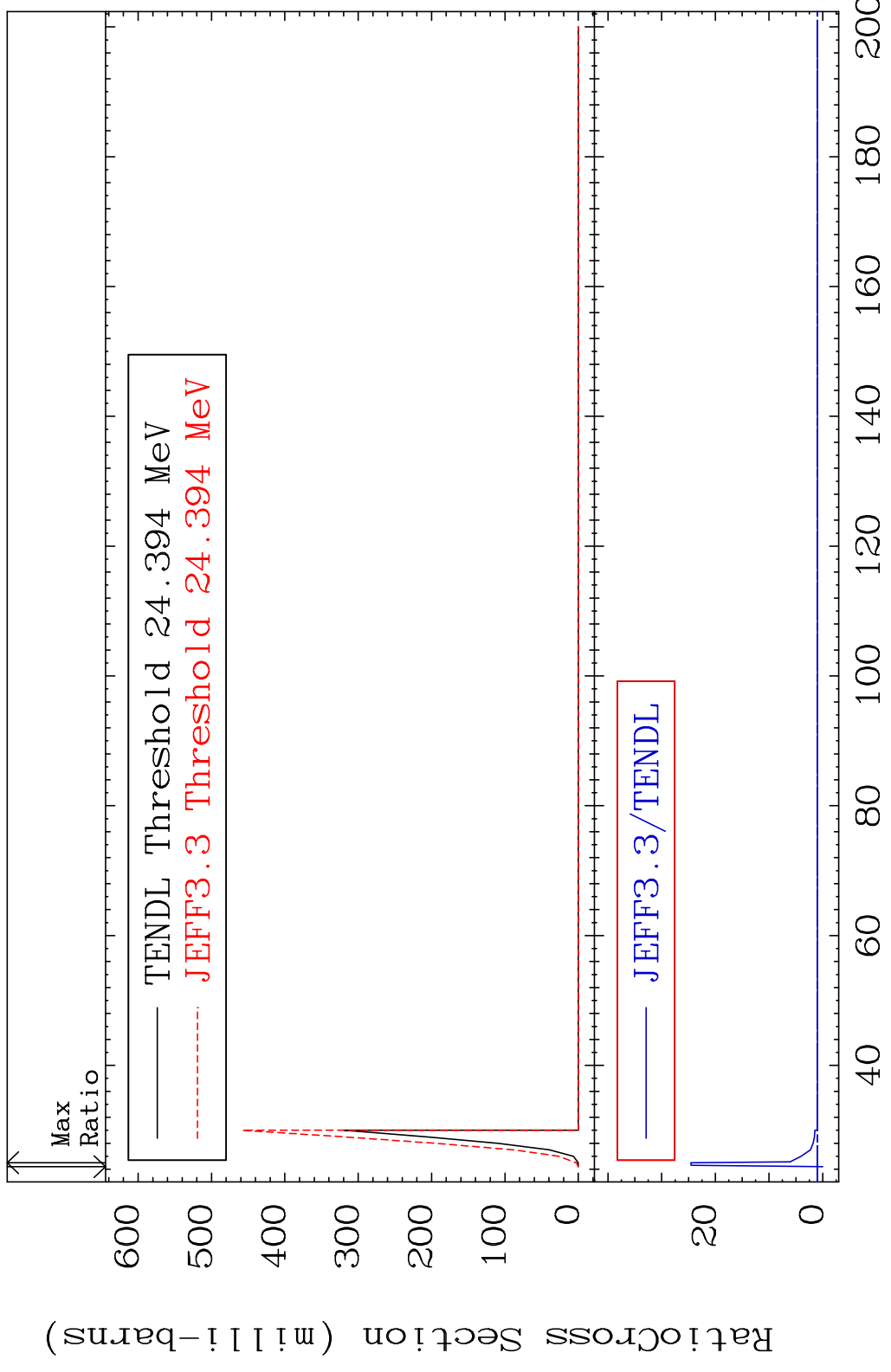


12 Incident Energy (eV) 46-Pd-110

MAT 4649 (n, n') He-3 46-Pd-110  
 Cross Section -100.0 To 144.8 %

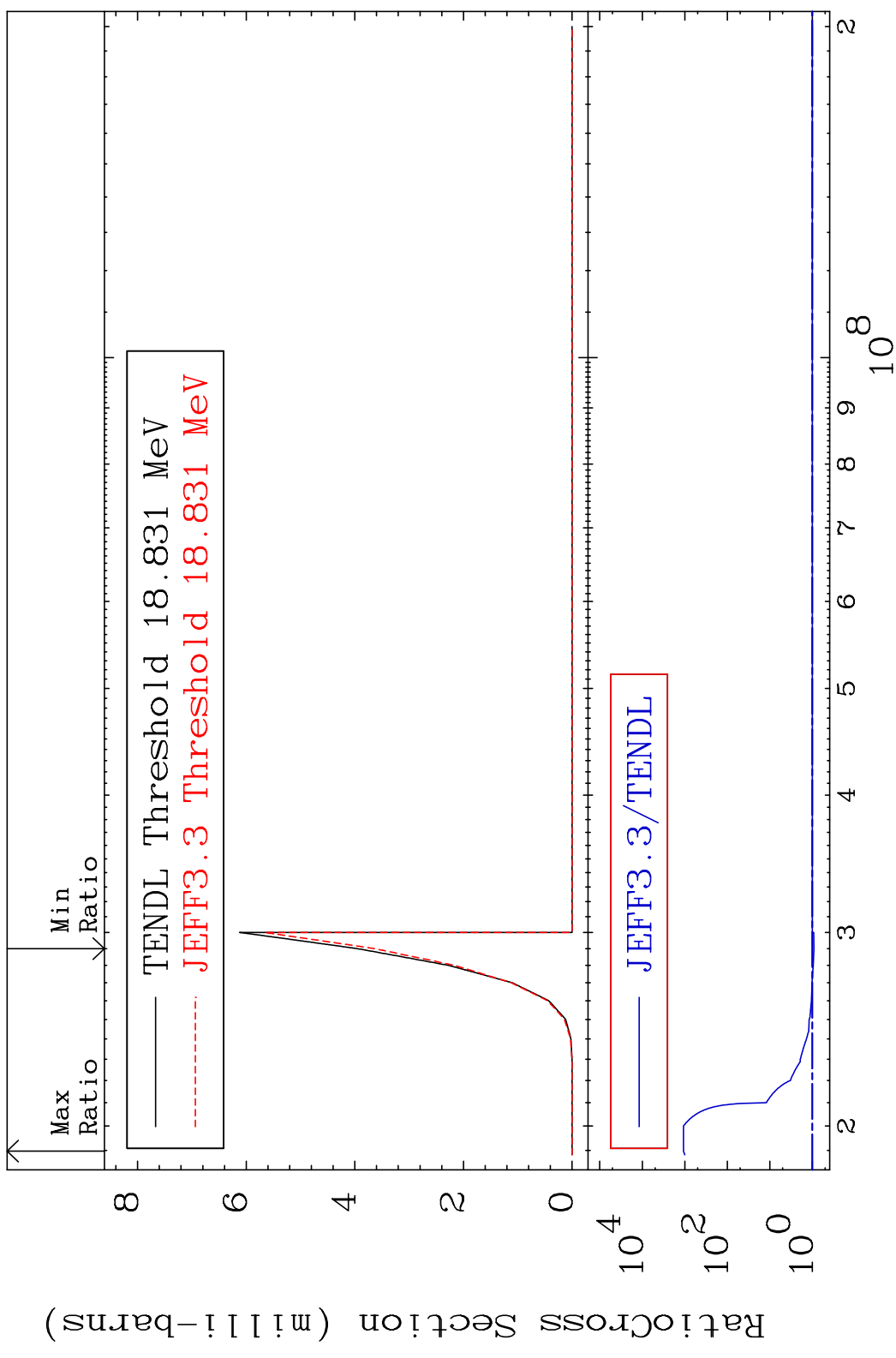


MAT 4649 (n,4n) 46-Pd-110  
Cross Section -100.0 To 2356. %



14 Incident Energy (MeV) 46-Pd-110

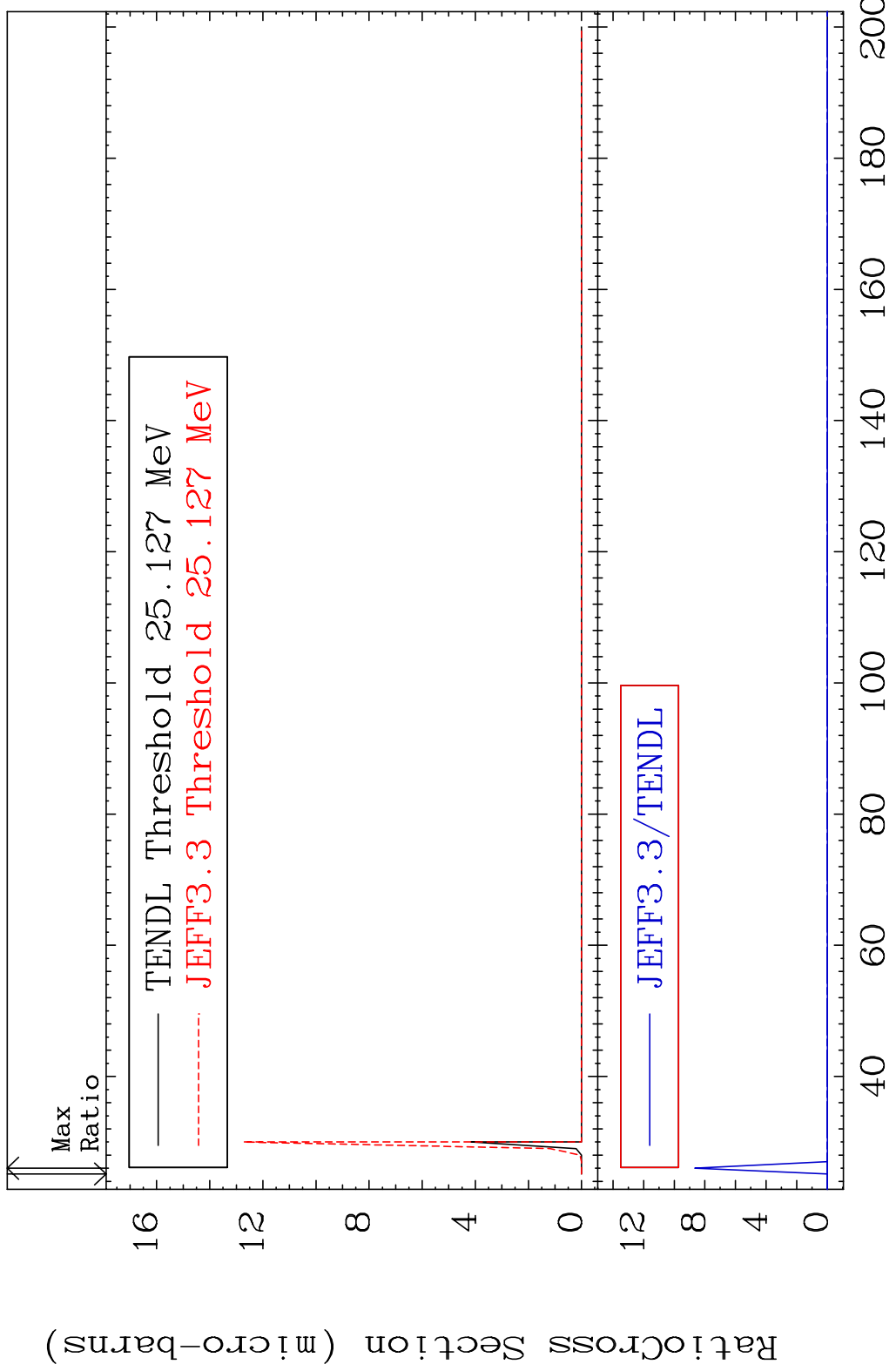
MAT 4649 (n,2n) p 46-Pd-110  
 Cross Section -8.062 To 9999. %



15 Incident Energy (eV) 46-Pd-110

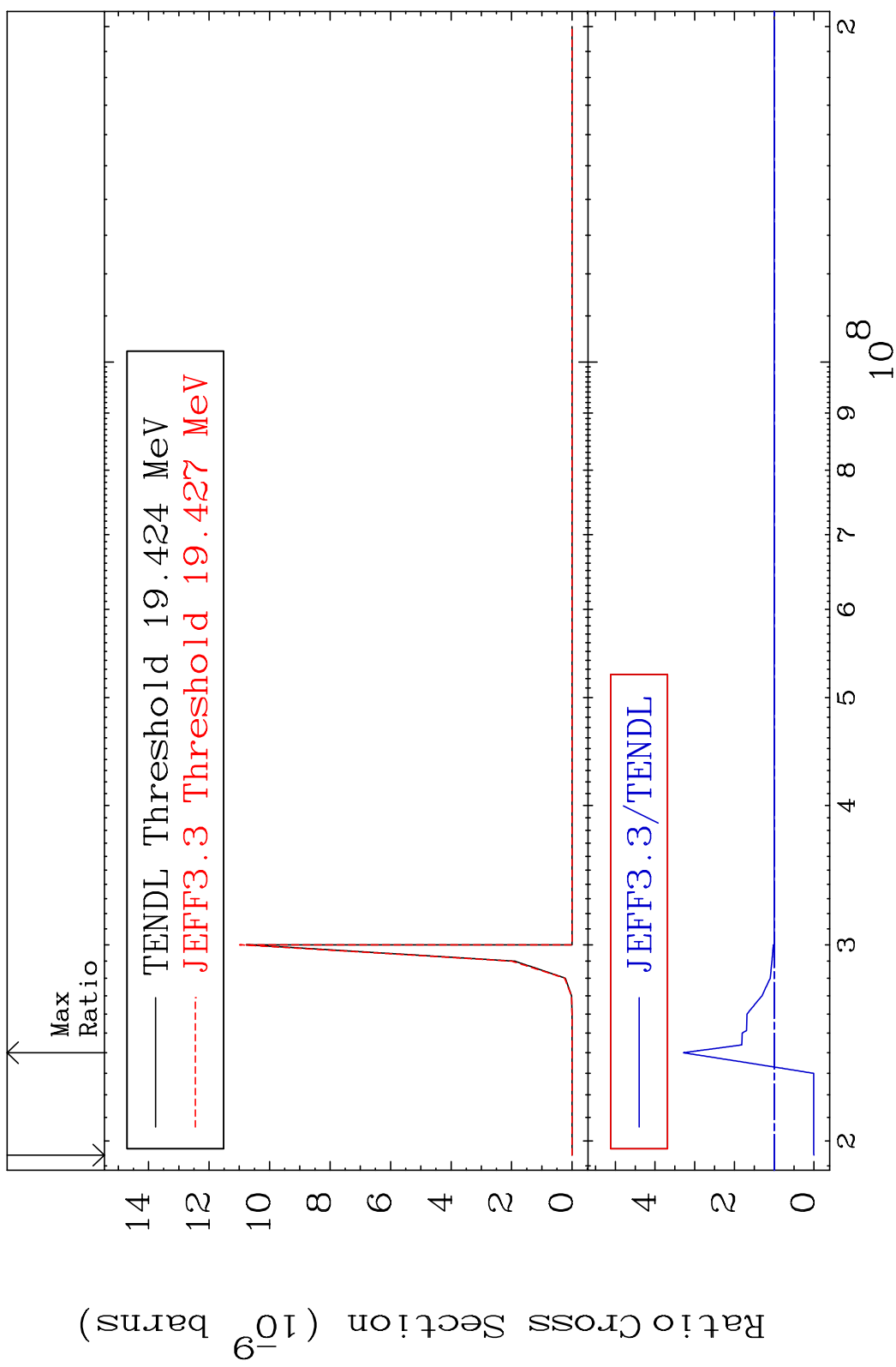


MAT 4649 (n,3n) p 46-Pd-110  
Cross Section -100.0 To 9999. %



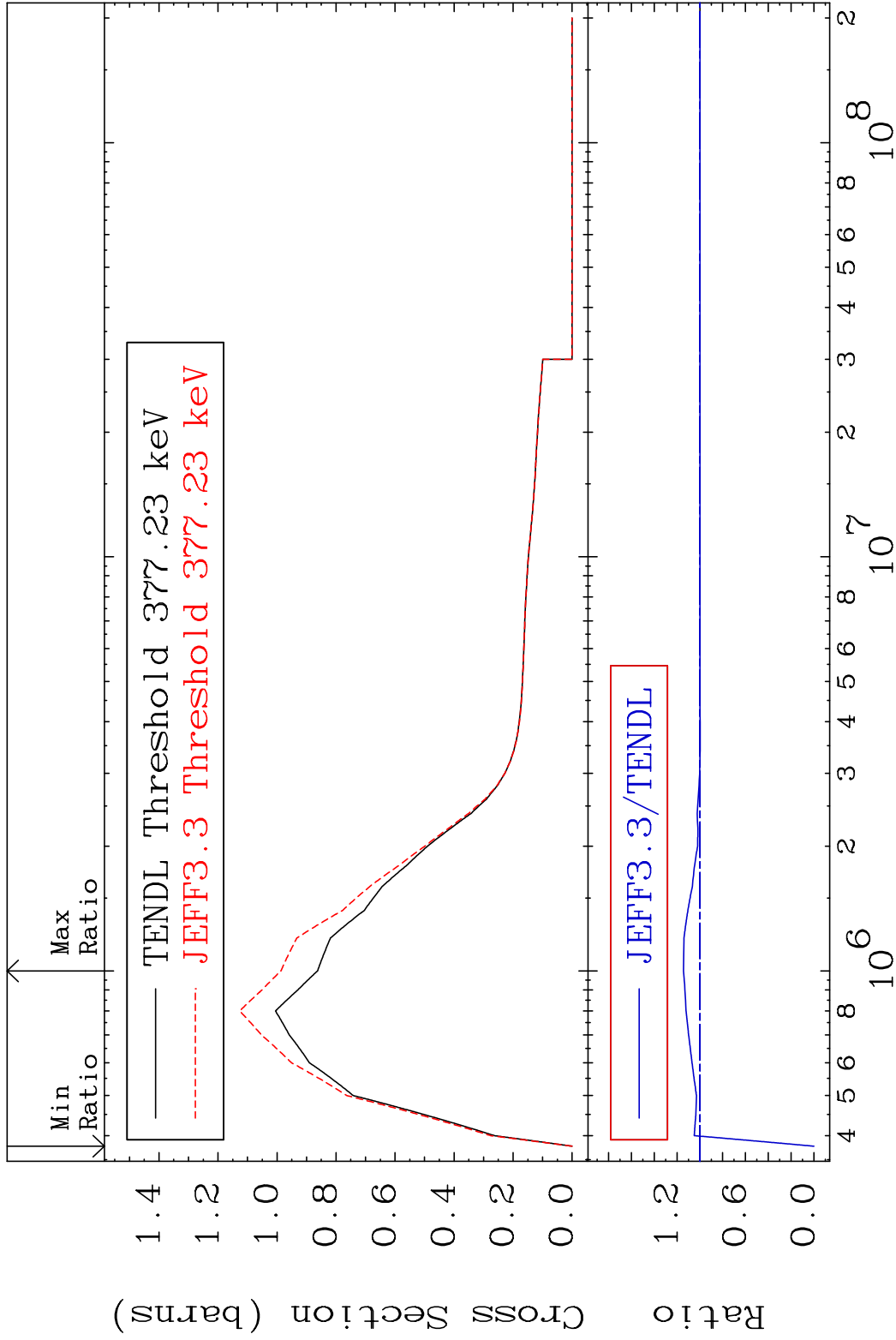
16 46-Pd-110

MAT 4649 (n,2n) p 46-Pd-110  
 Cross Section -100.0 To 228.4 %



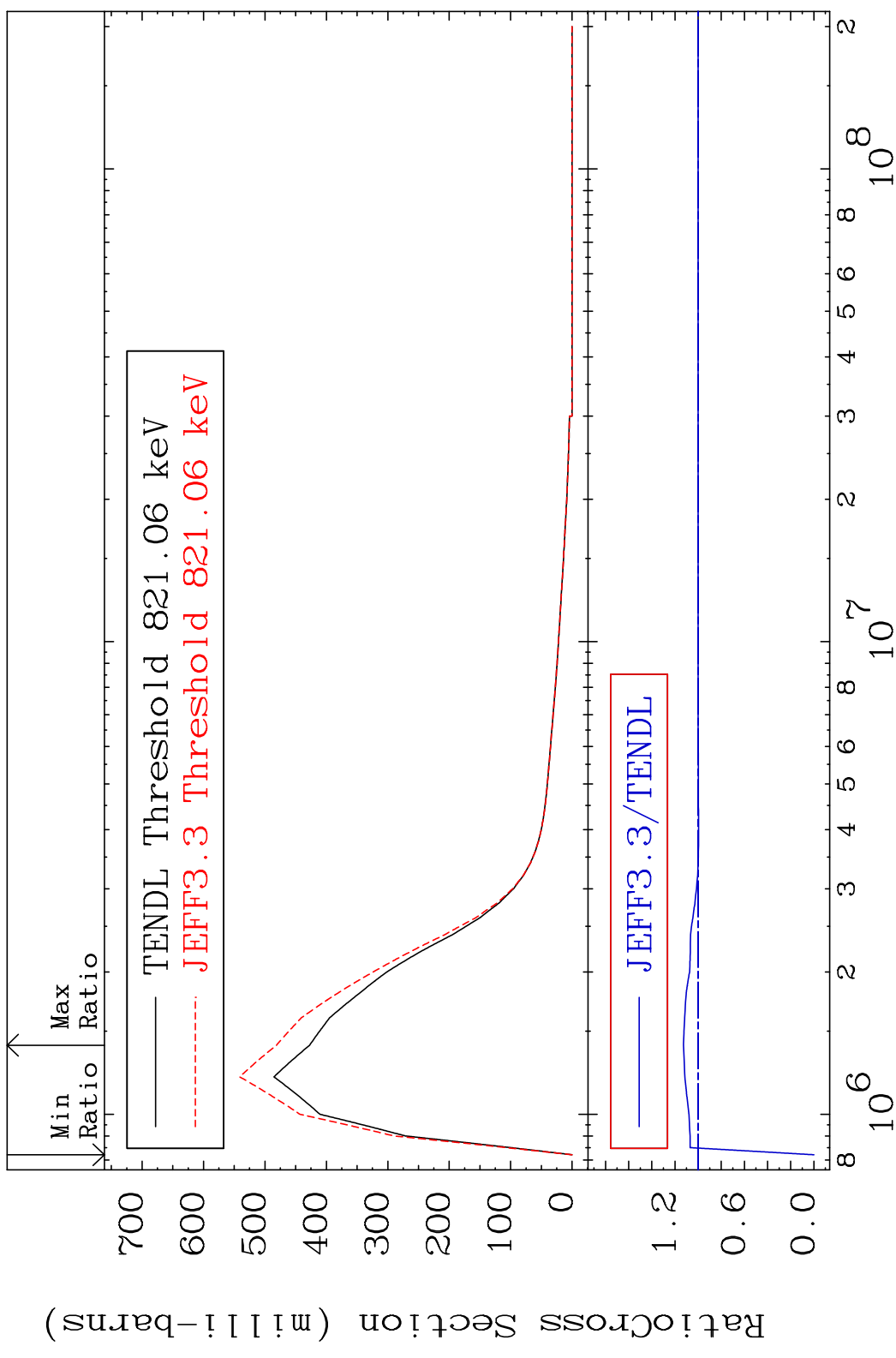
17 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 51 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 14.38 %



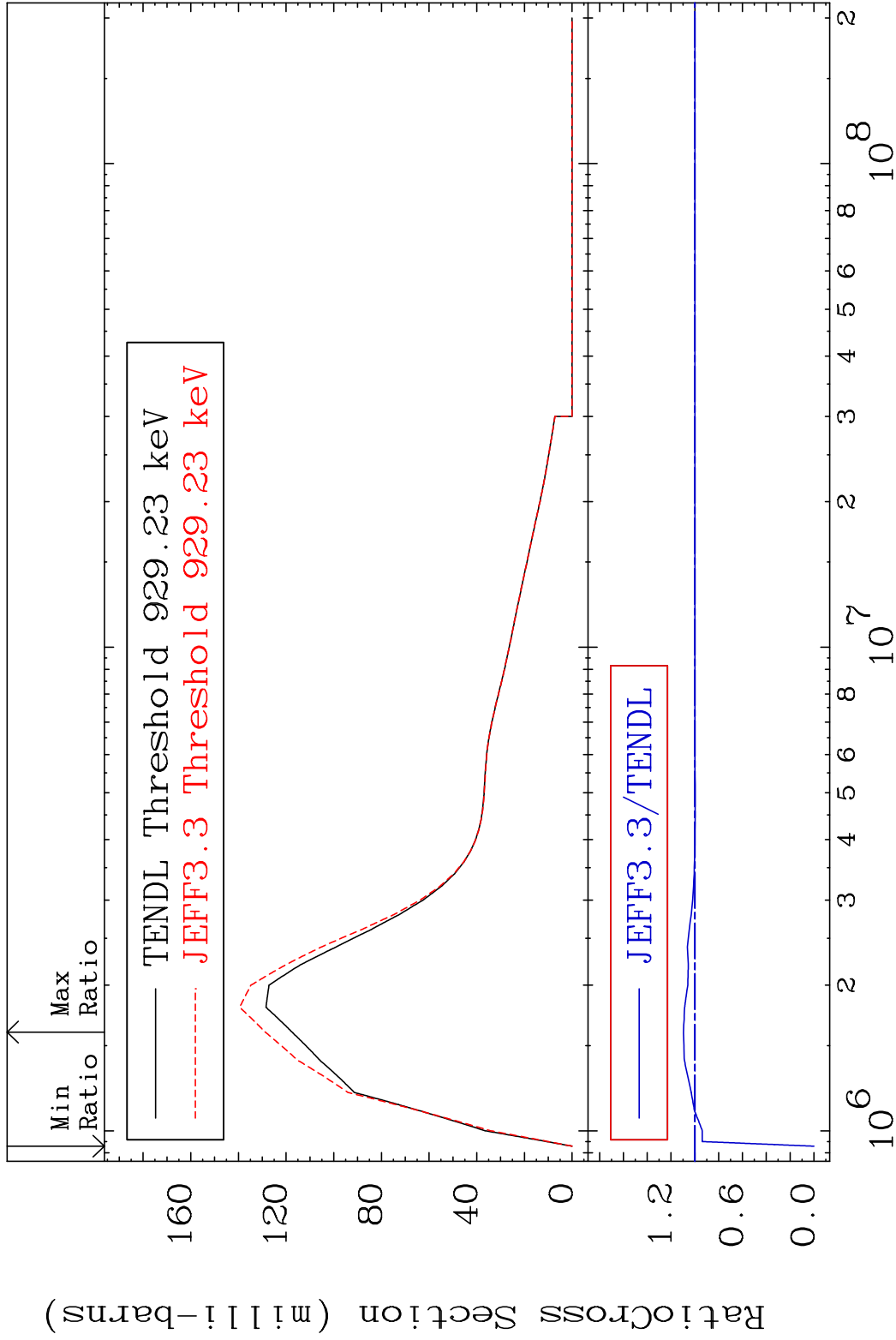
18 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 52 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 12.65 %



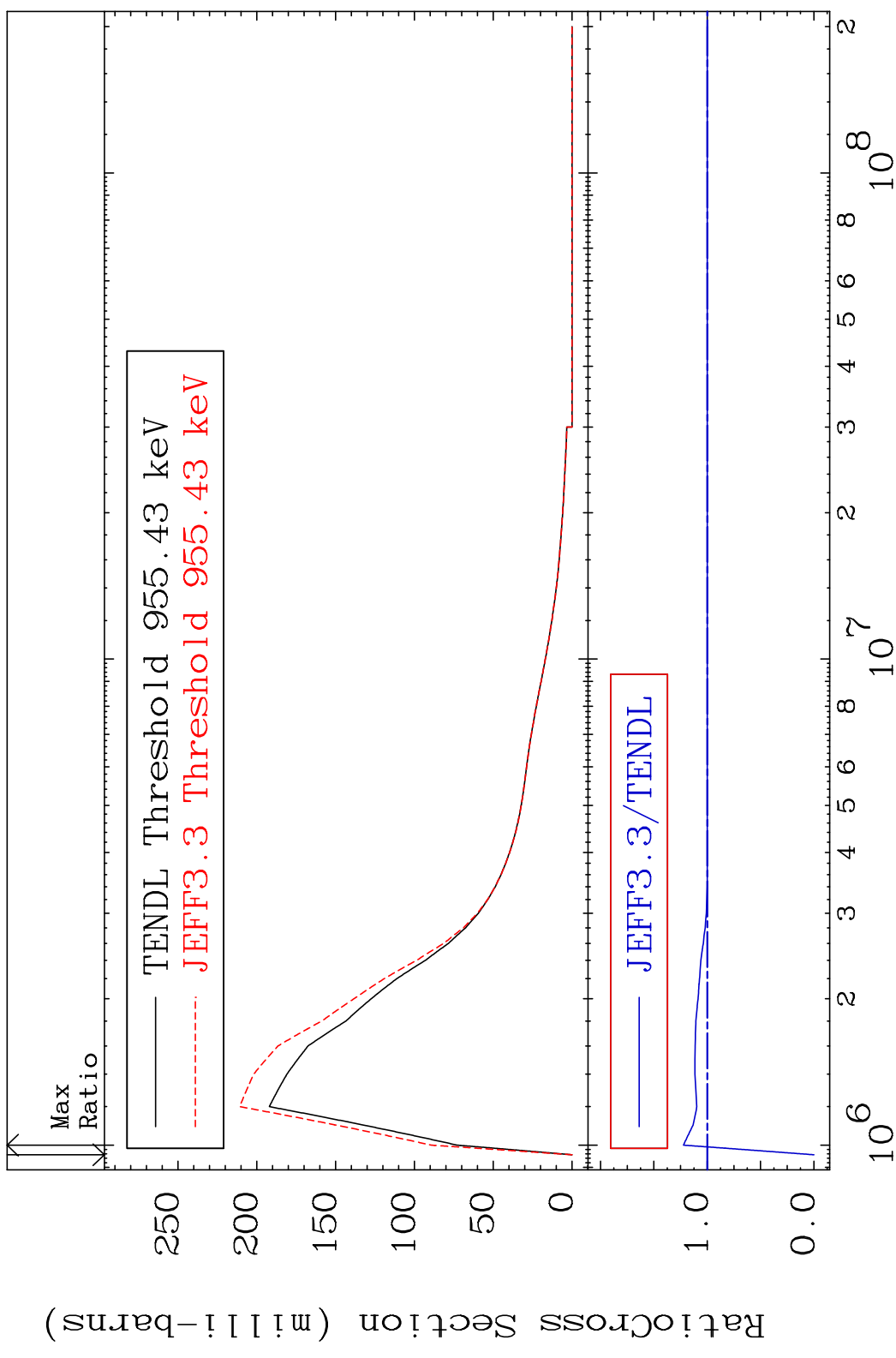
19 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 53 (n, n') Level 46-Pd-110  
Cross Section -100.0 To 9.566 %



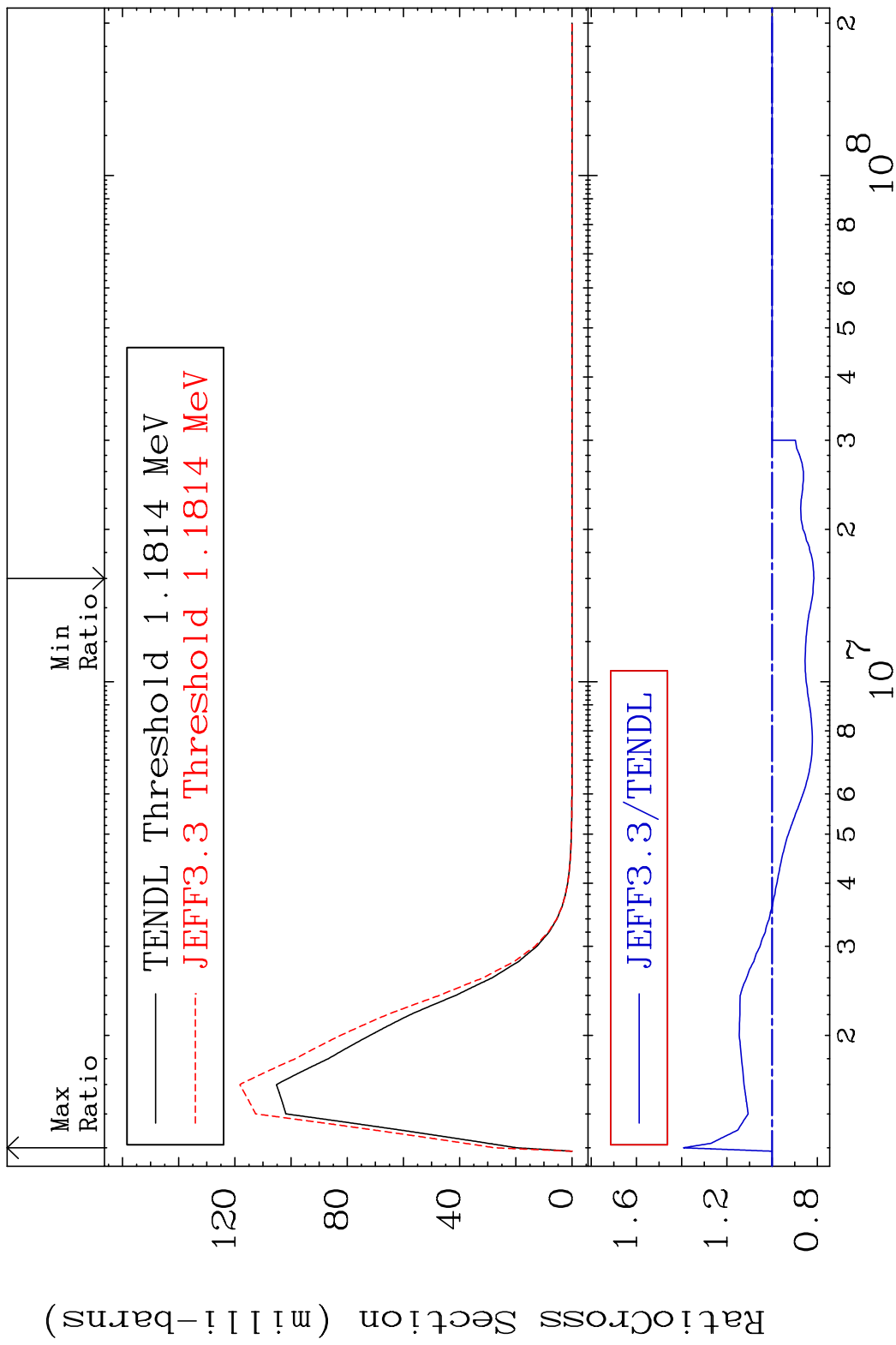
20 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 54 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 22.28 %

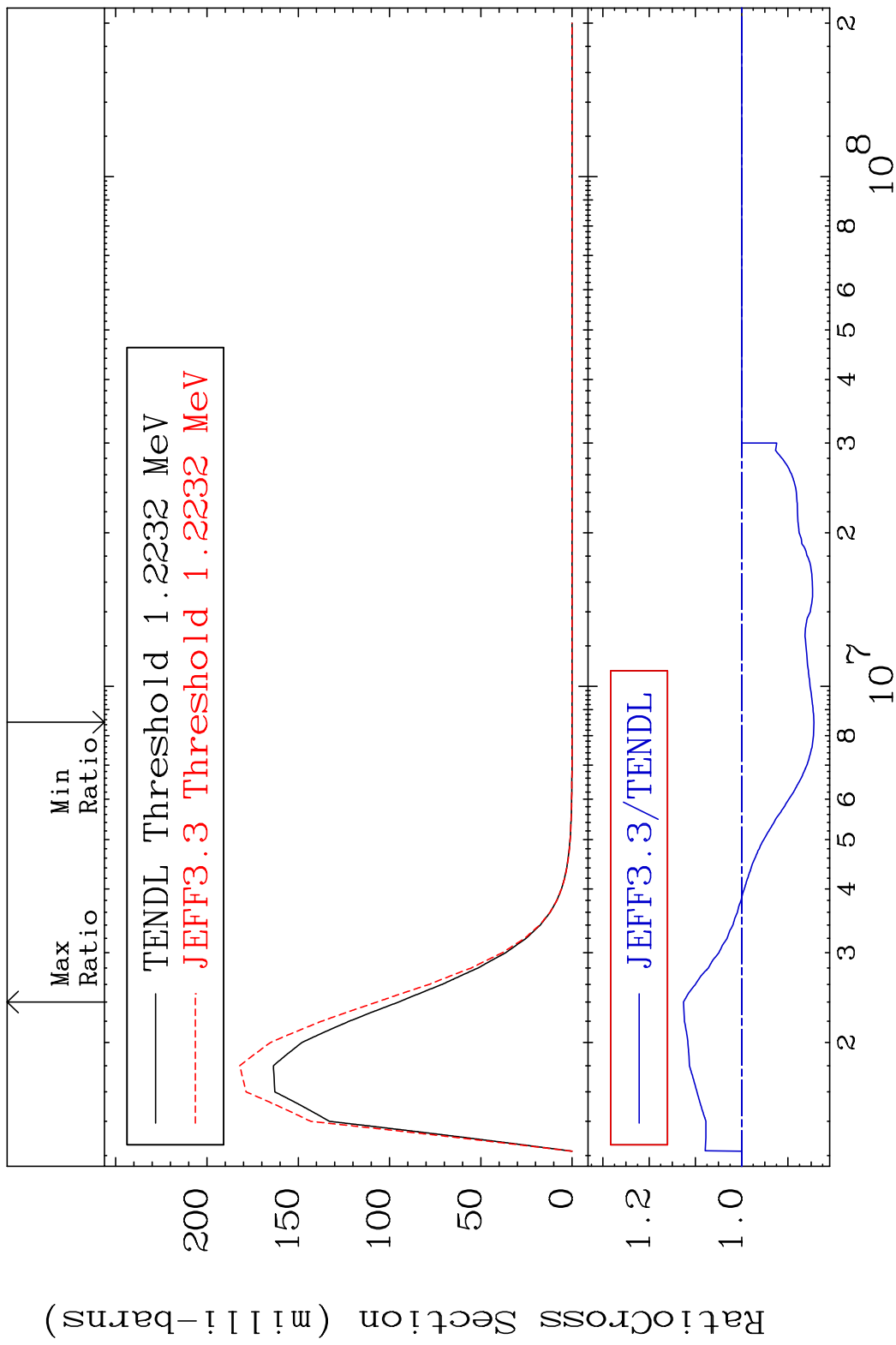


21 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 55 (n, n') Level 46-Pd-110  
 Cross Section -18.48 To 39.20 %



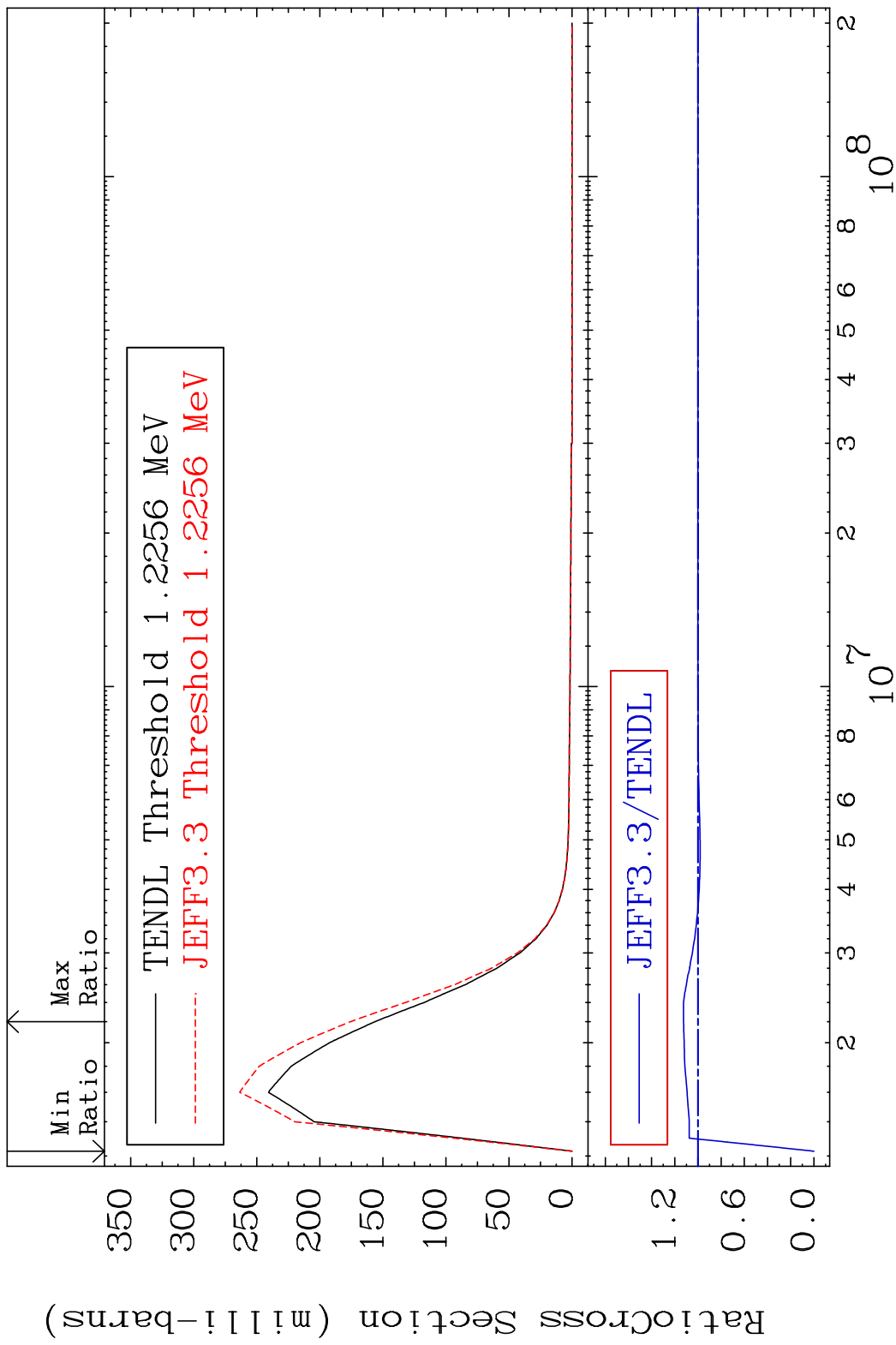
MAT 4649 MT= 56 (n, n') Level 46-Pd-110  
 Cross Section -15.60 To 12.59 %



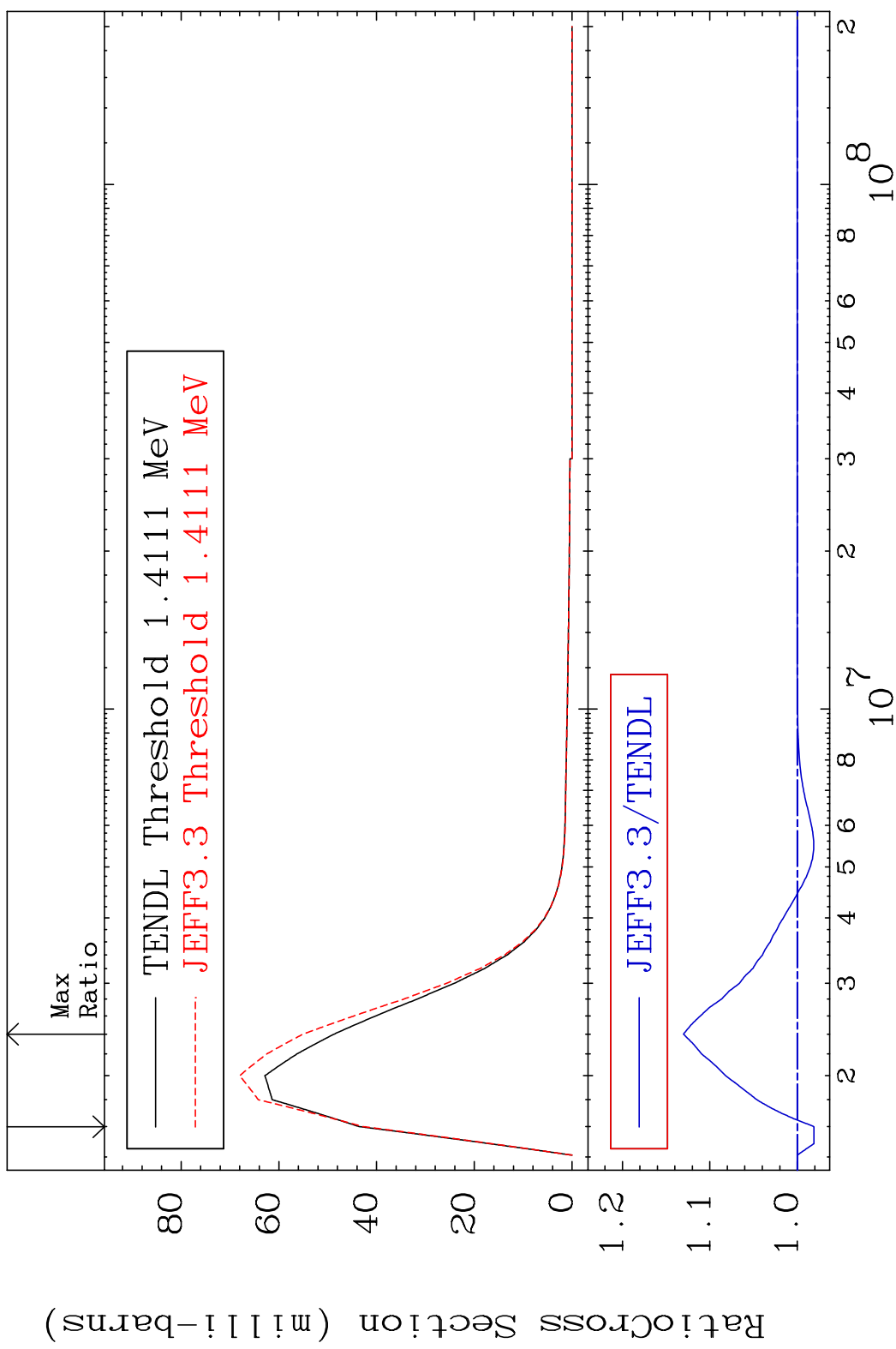
23 Incident Energy (eV) 46-Pd-110



MAT 4649 MT= 57 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 12.53 %

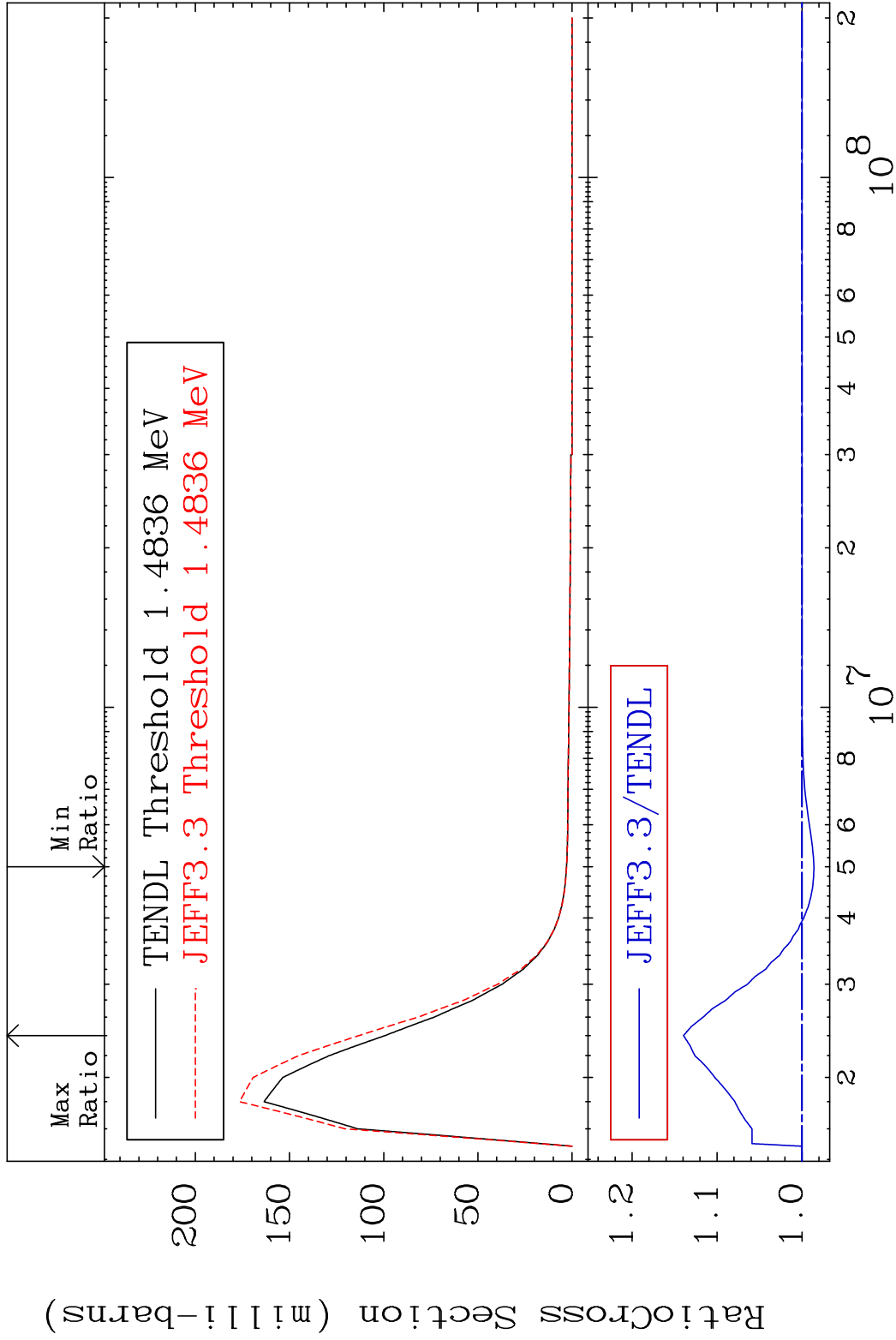


MAT 4649 MT= 58 (n, n') Level 46-Pd-110  
 Cross Section -1.898 To 13.02 %



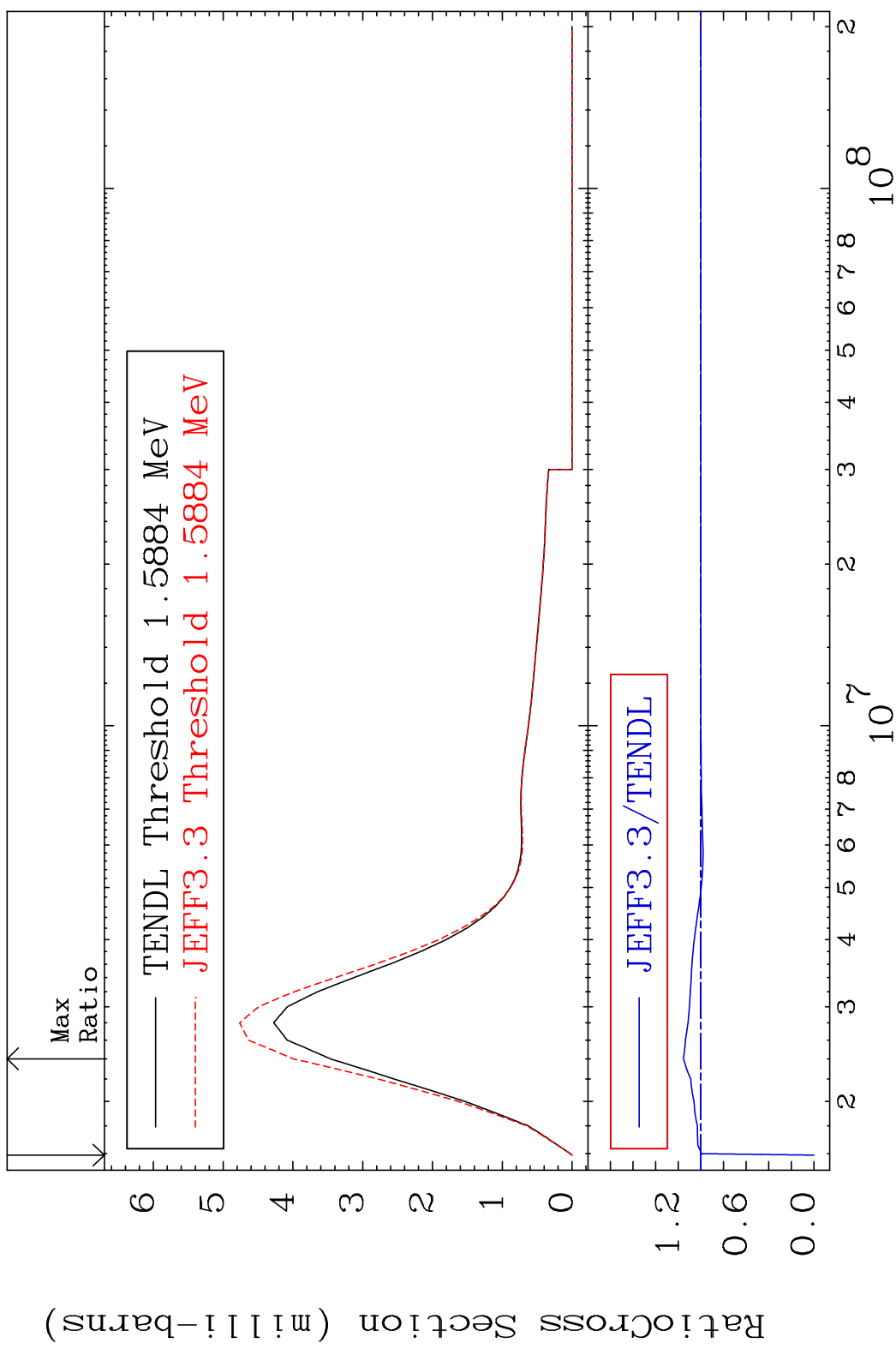
25 46-Pd-110

MAT 4649 MT= 59 (n, n') Level 46-Pd-110  
 Cross Section -1.403 To 13.95 %

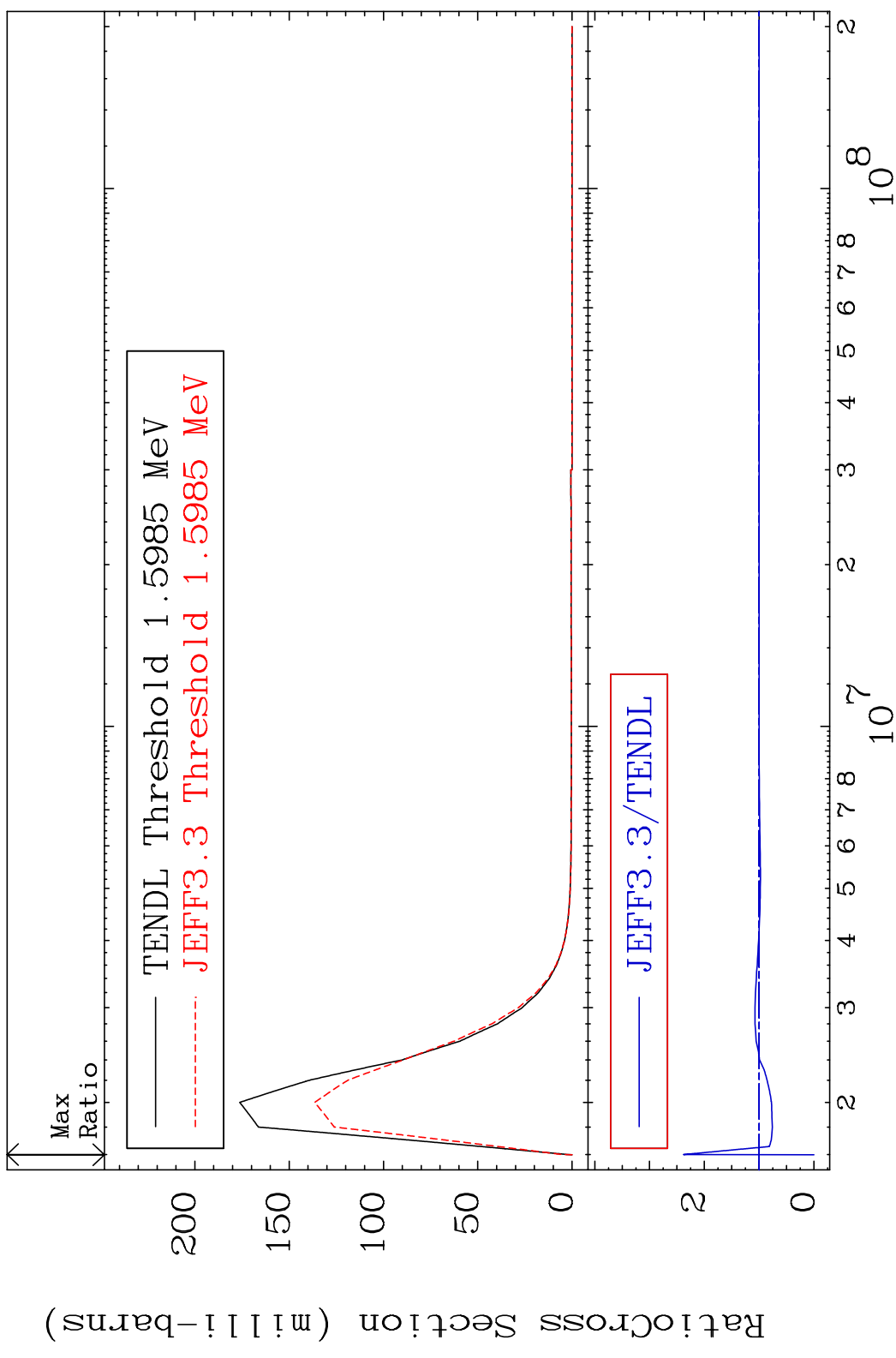


26 Incident Energy (eV) 46-Pd-110

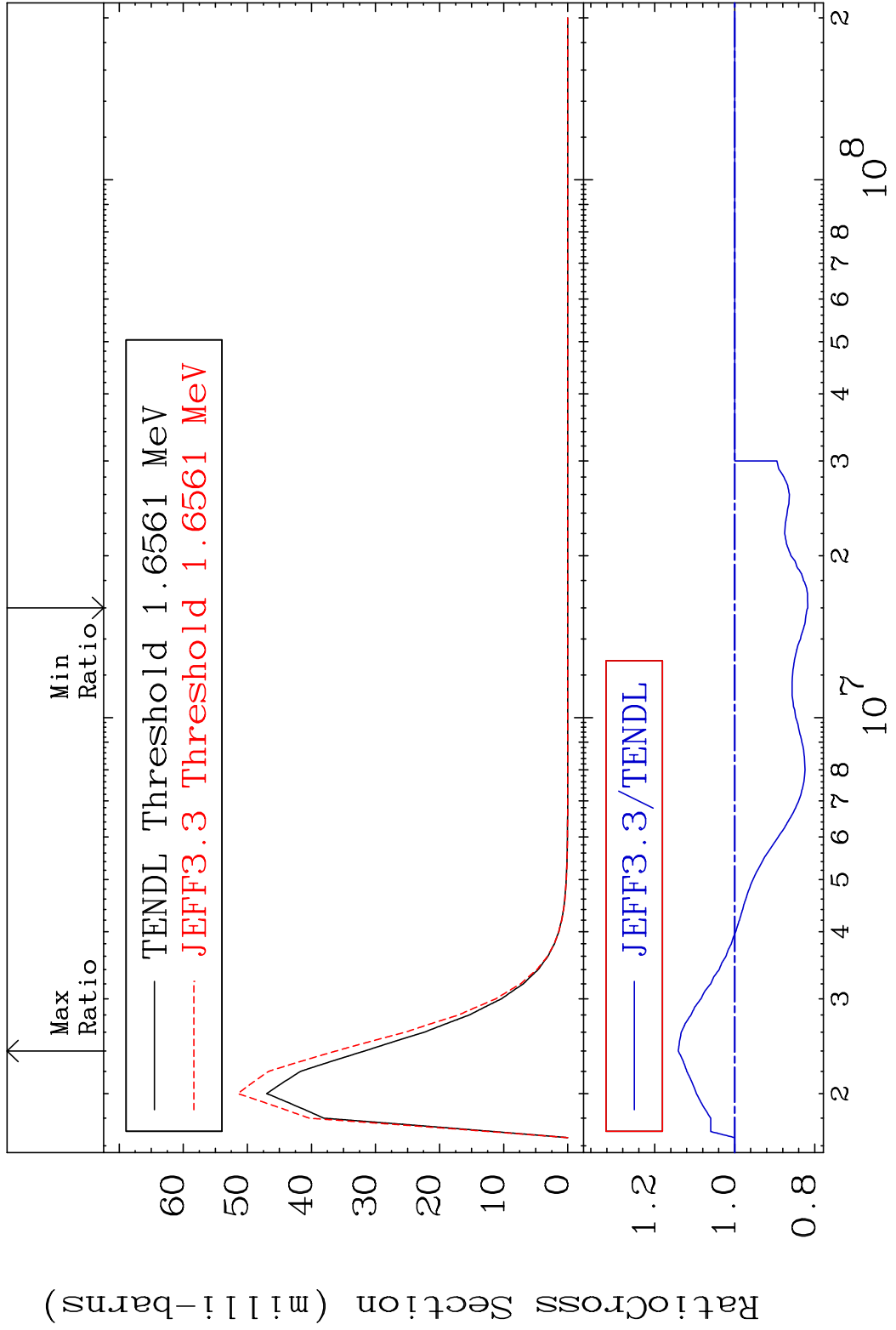
MAT 4649 MT= 60 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 15.39 %



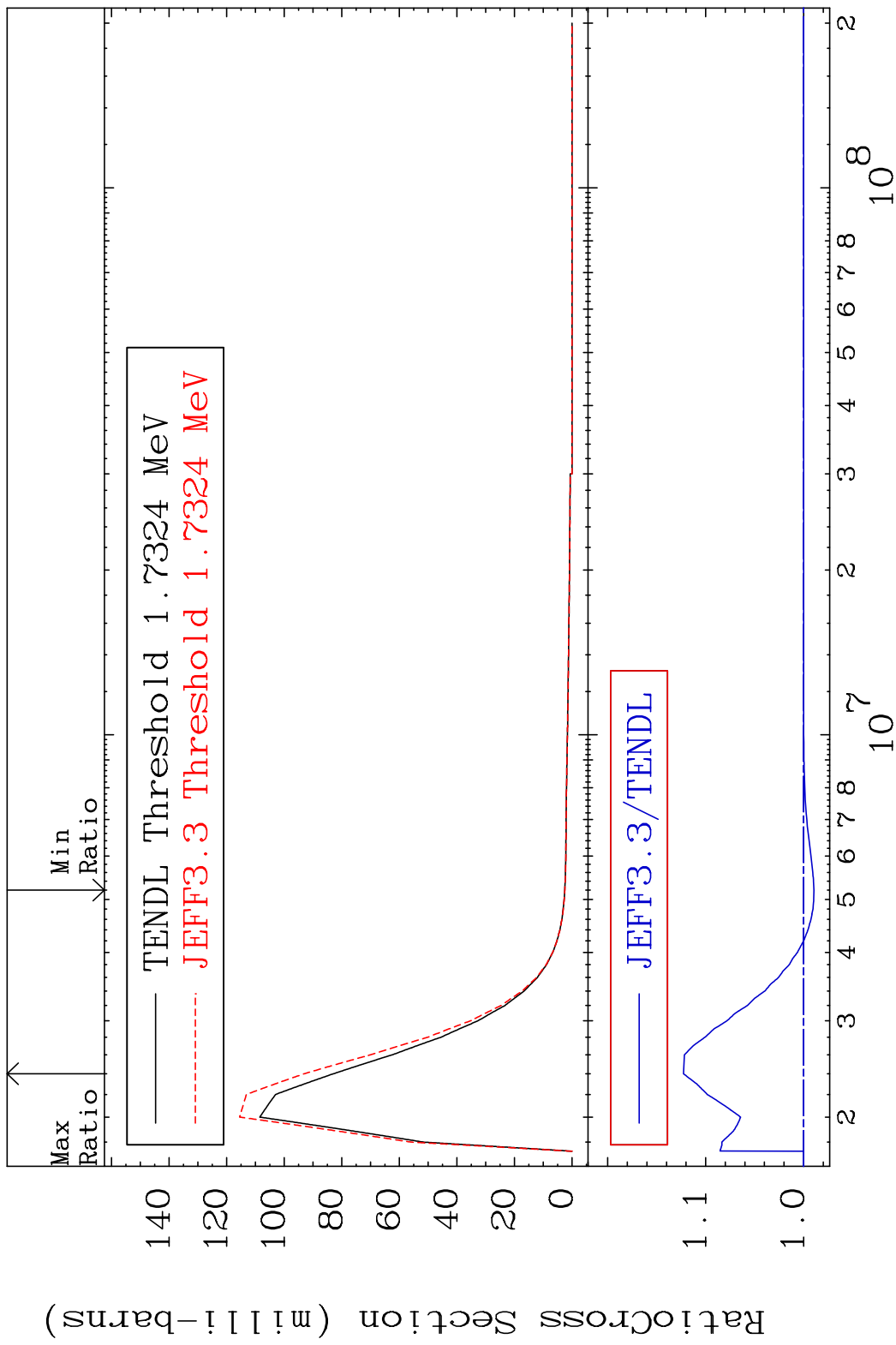
MAT 4649      MT= 61 (n, n') Level      46-Pd-110  
 Cross Section    -100.0 To 138.1 %



MAT 4649 MT= 62 (n, n') Level 46-Pd-110  
 Cross Section -18.25 To 14.12 %

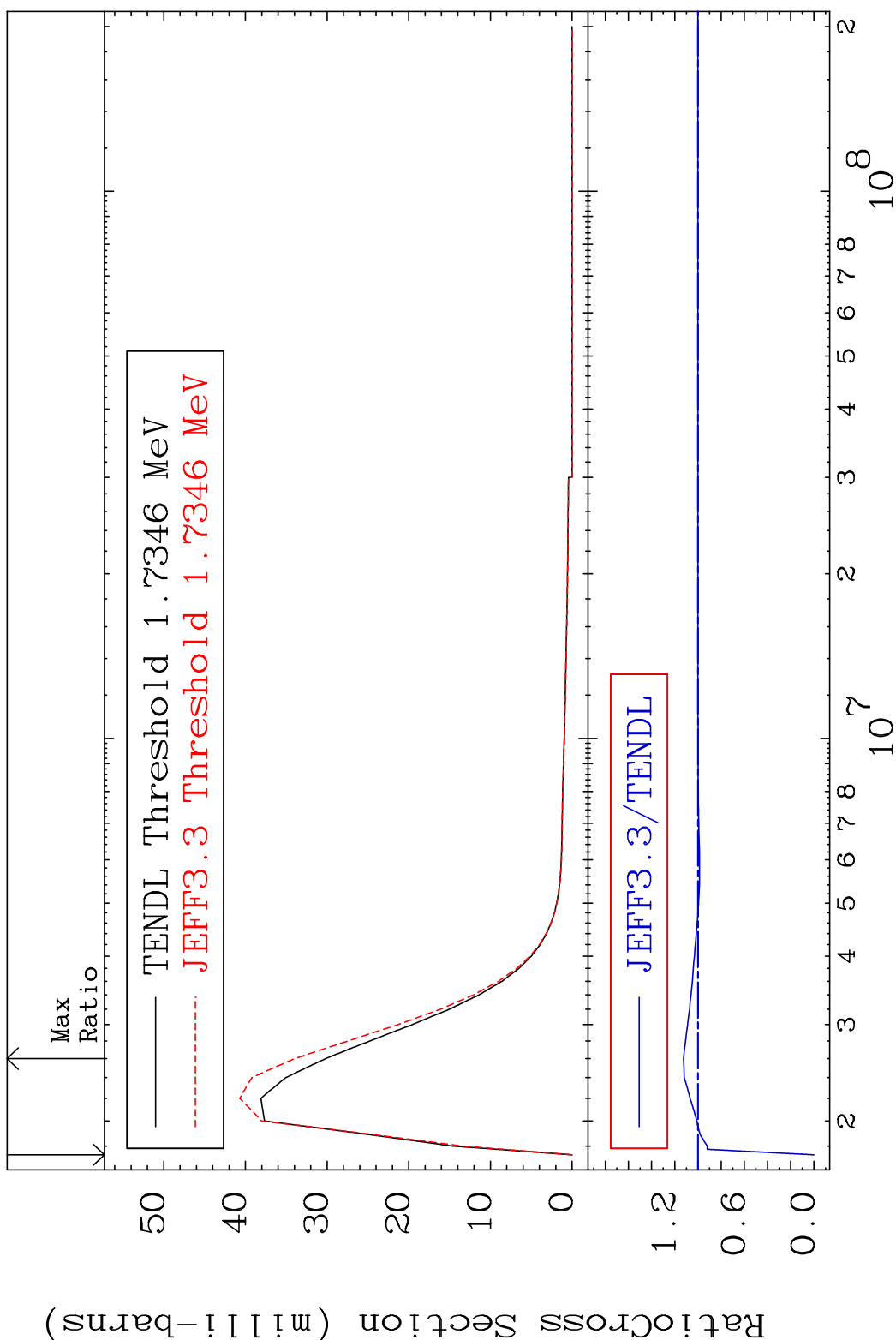


MAT 4649 MT= 63 (n, n') Level 46-Pd-110  
 Cross Section -1.049 To 12.27 %



30 Incident Energy (eV) 46-Pd-110

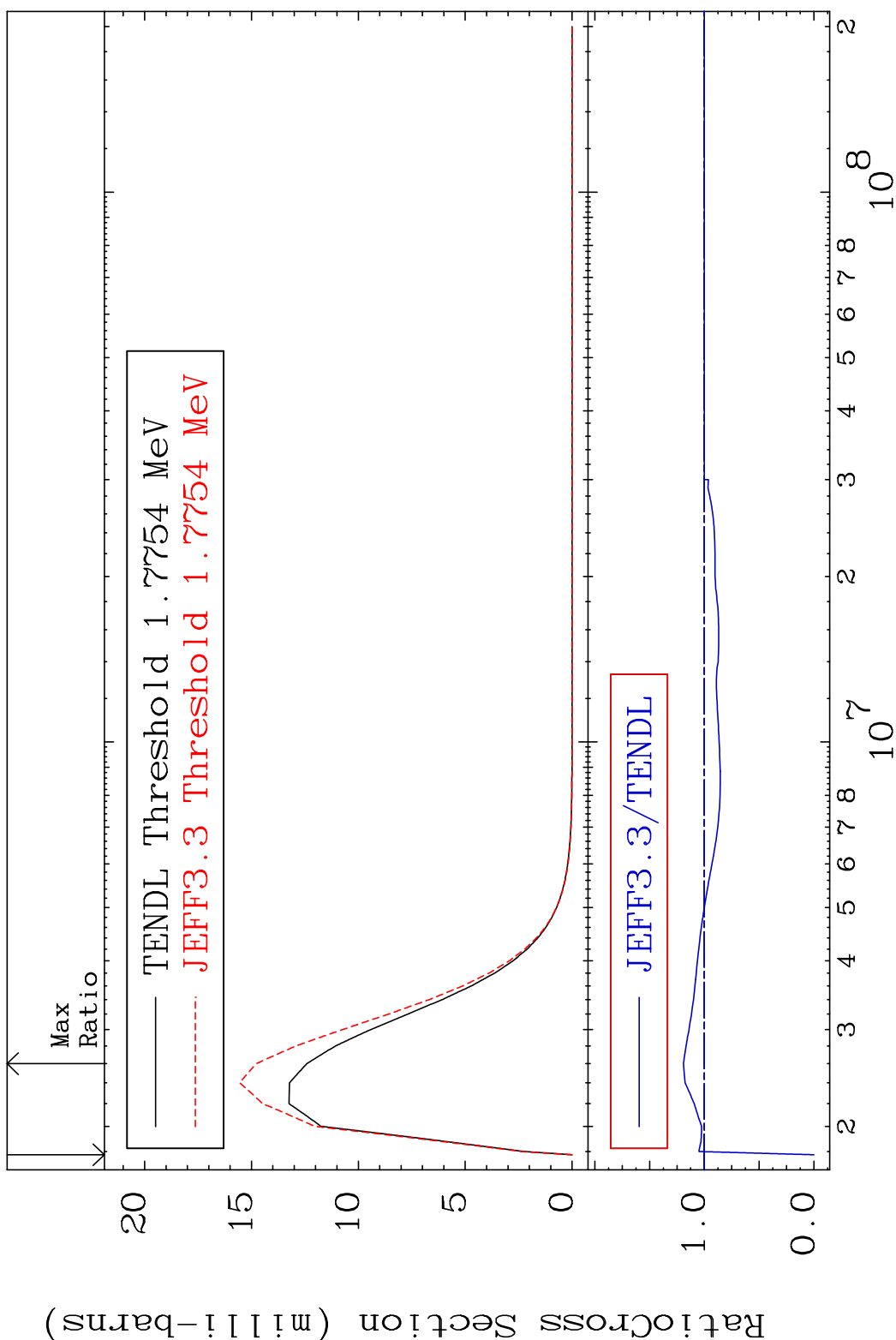
MAT 4649 MT= 64 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 12.53 %



31 Incident Energy (eV) 46-Pd-110

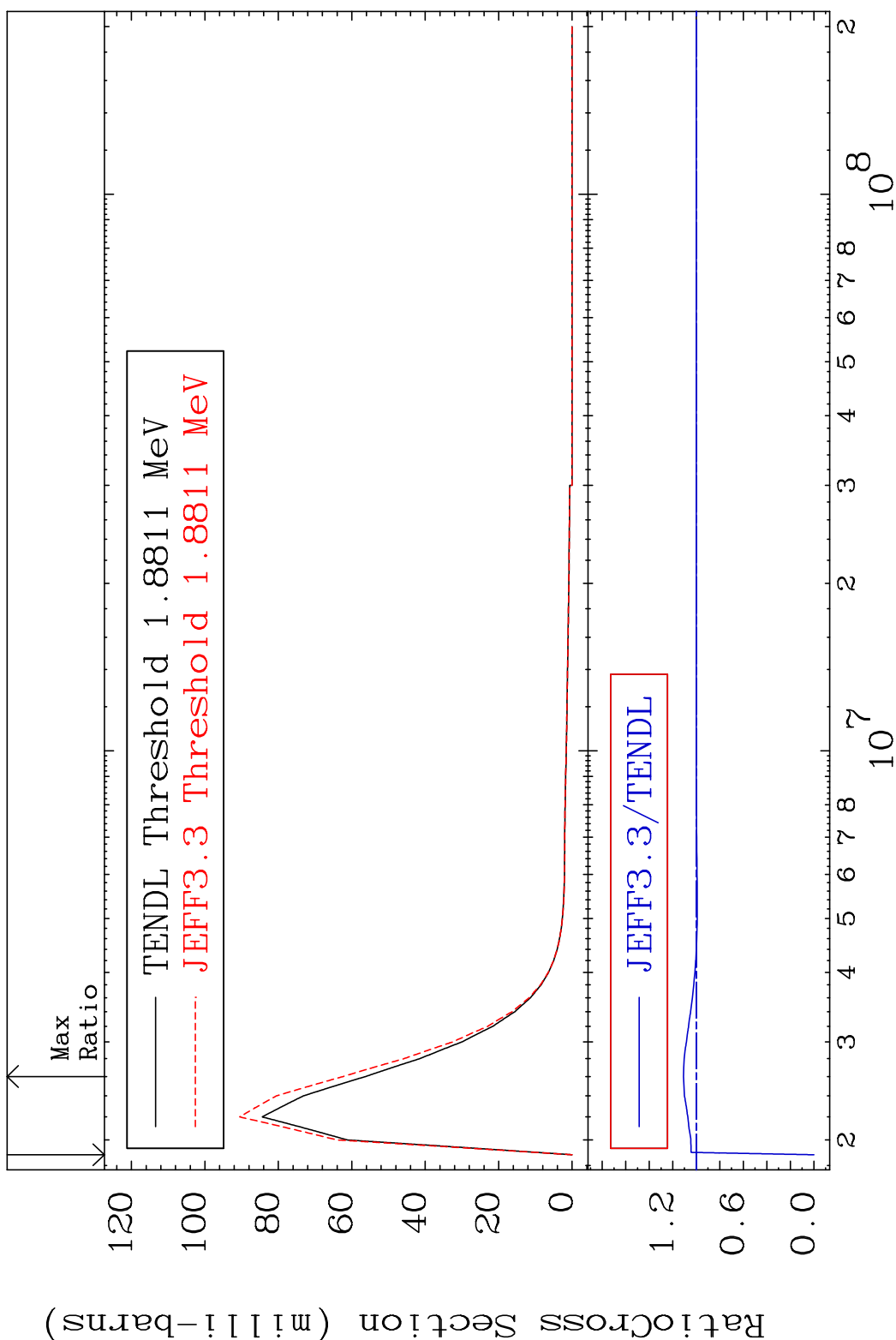


MAT 4649 MT= 65 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 19.09 %



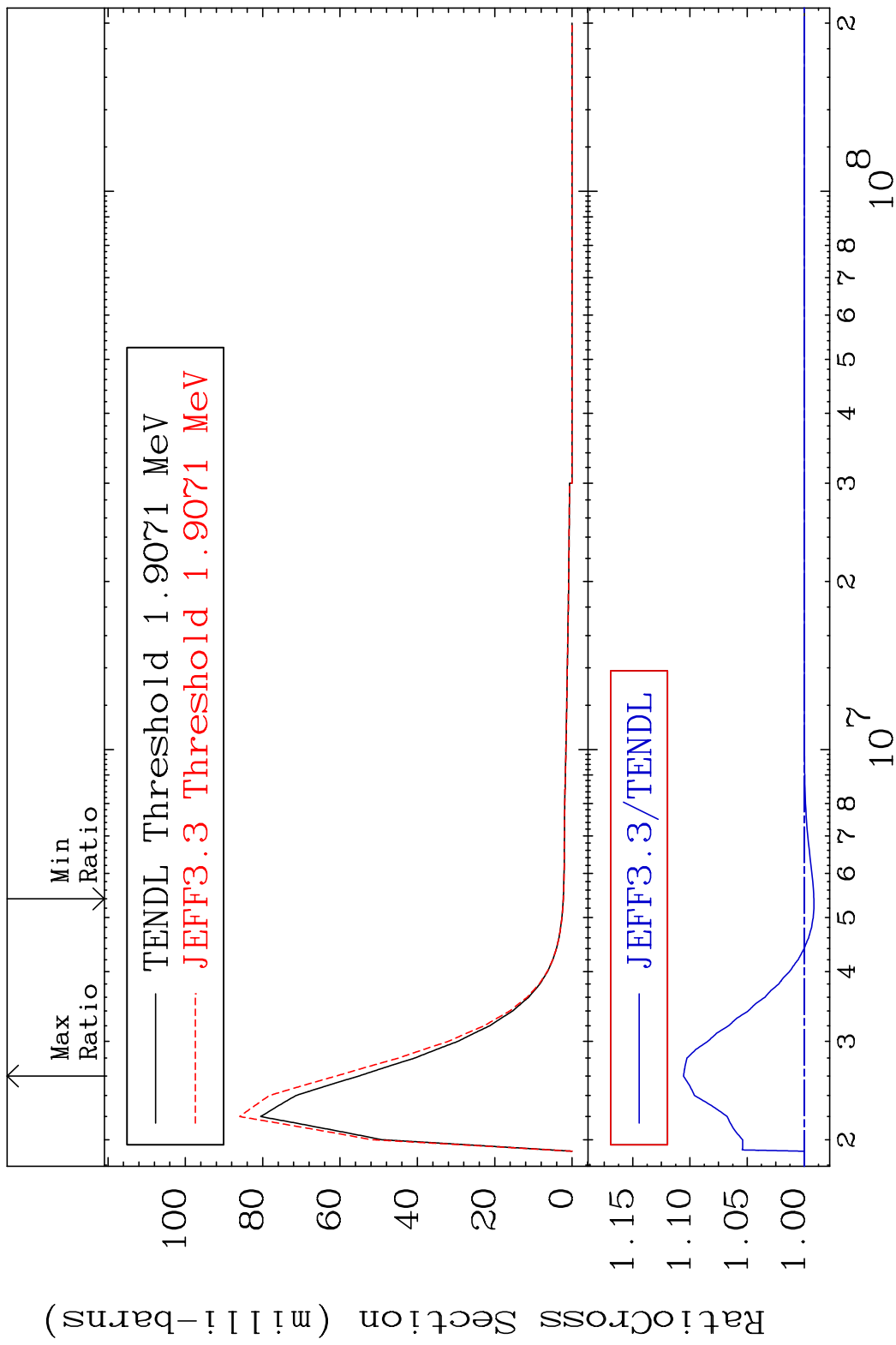
32 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 66 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 10.90 %



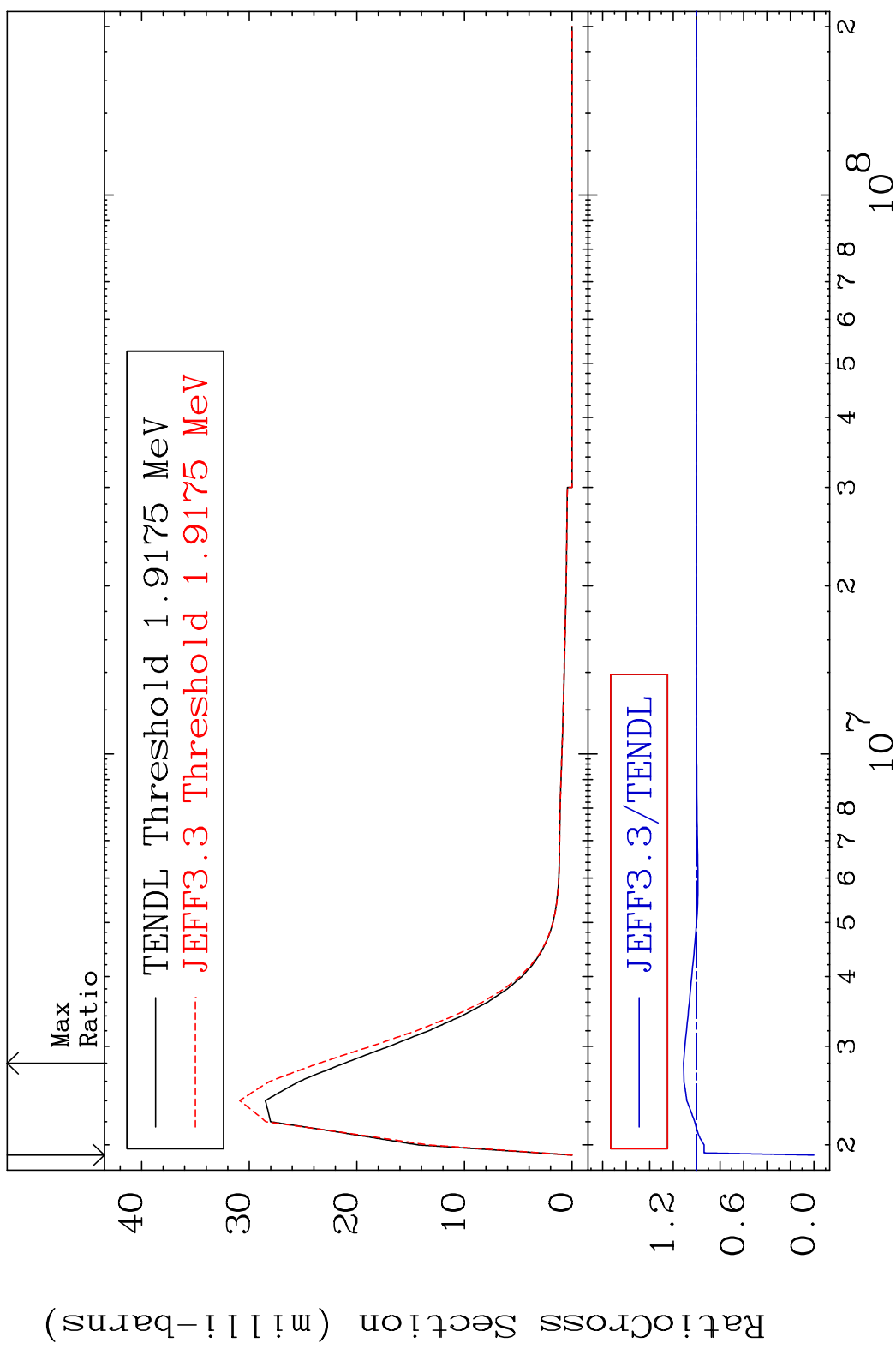
33 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 67 (n, n') Level 46-Pd-110  
 Cross Section -0.841 To 10.57 %



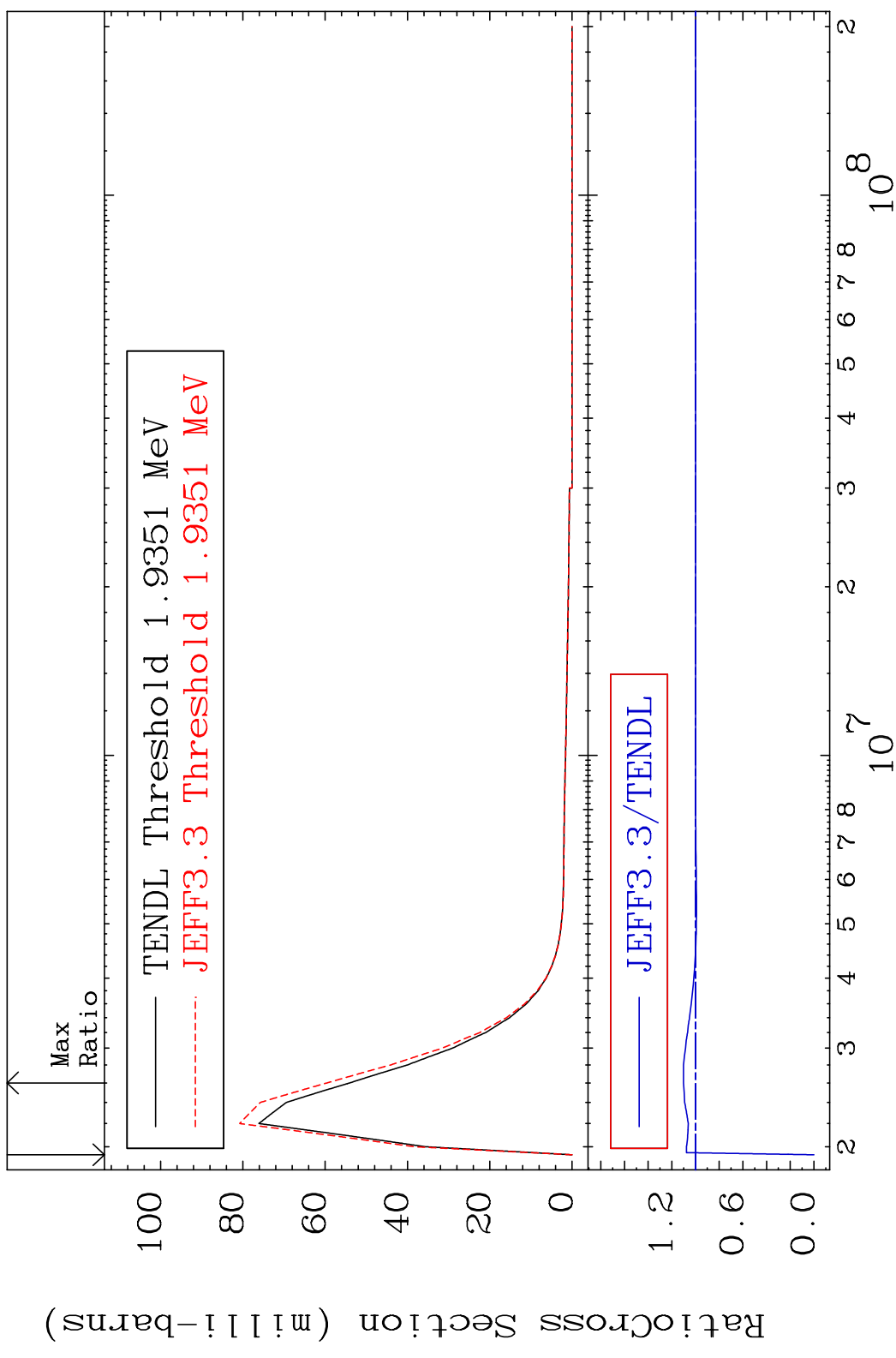
34 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 68 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 11.18 %



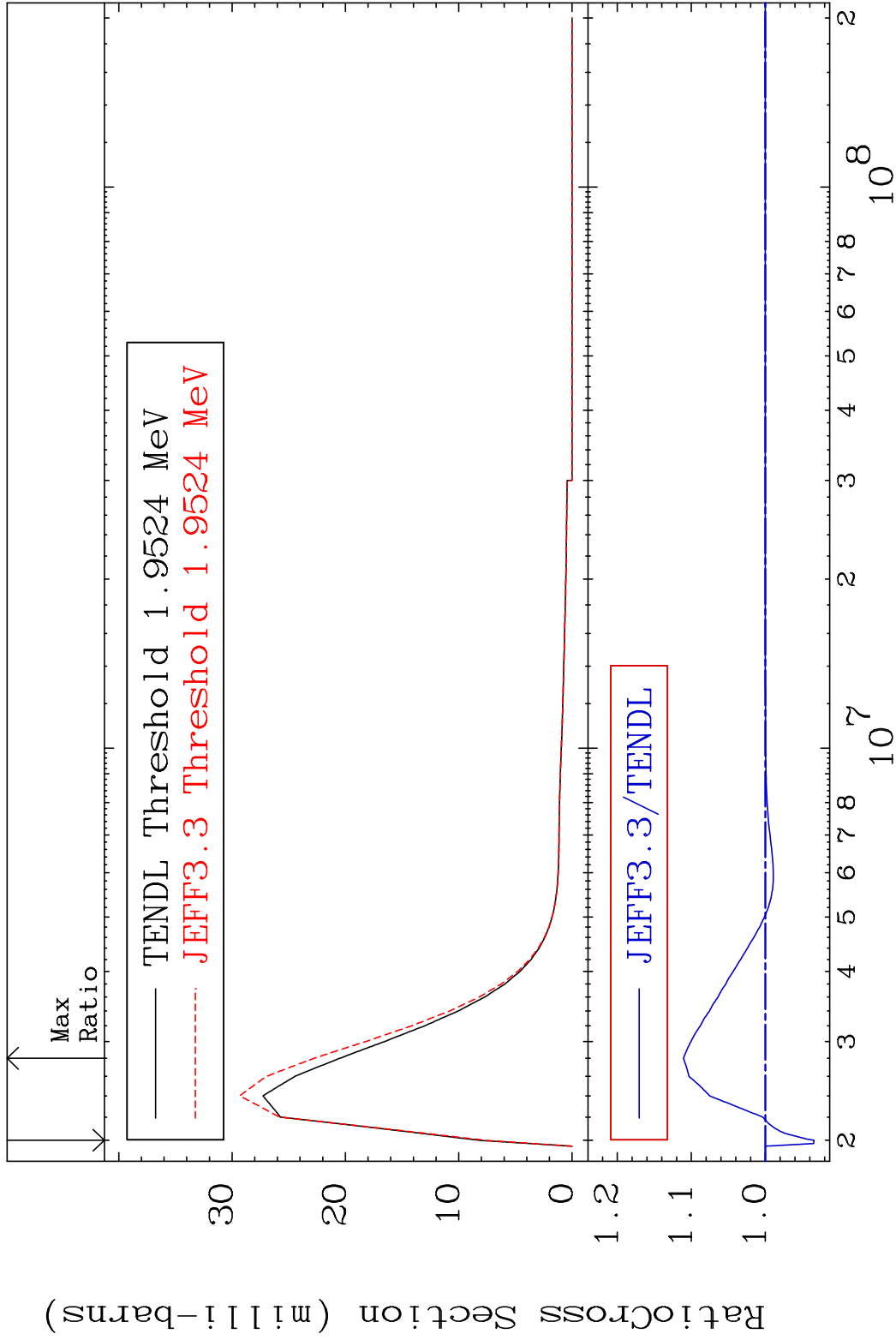
35 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 69 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 10.19 %



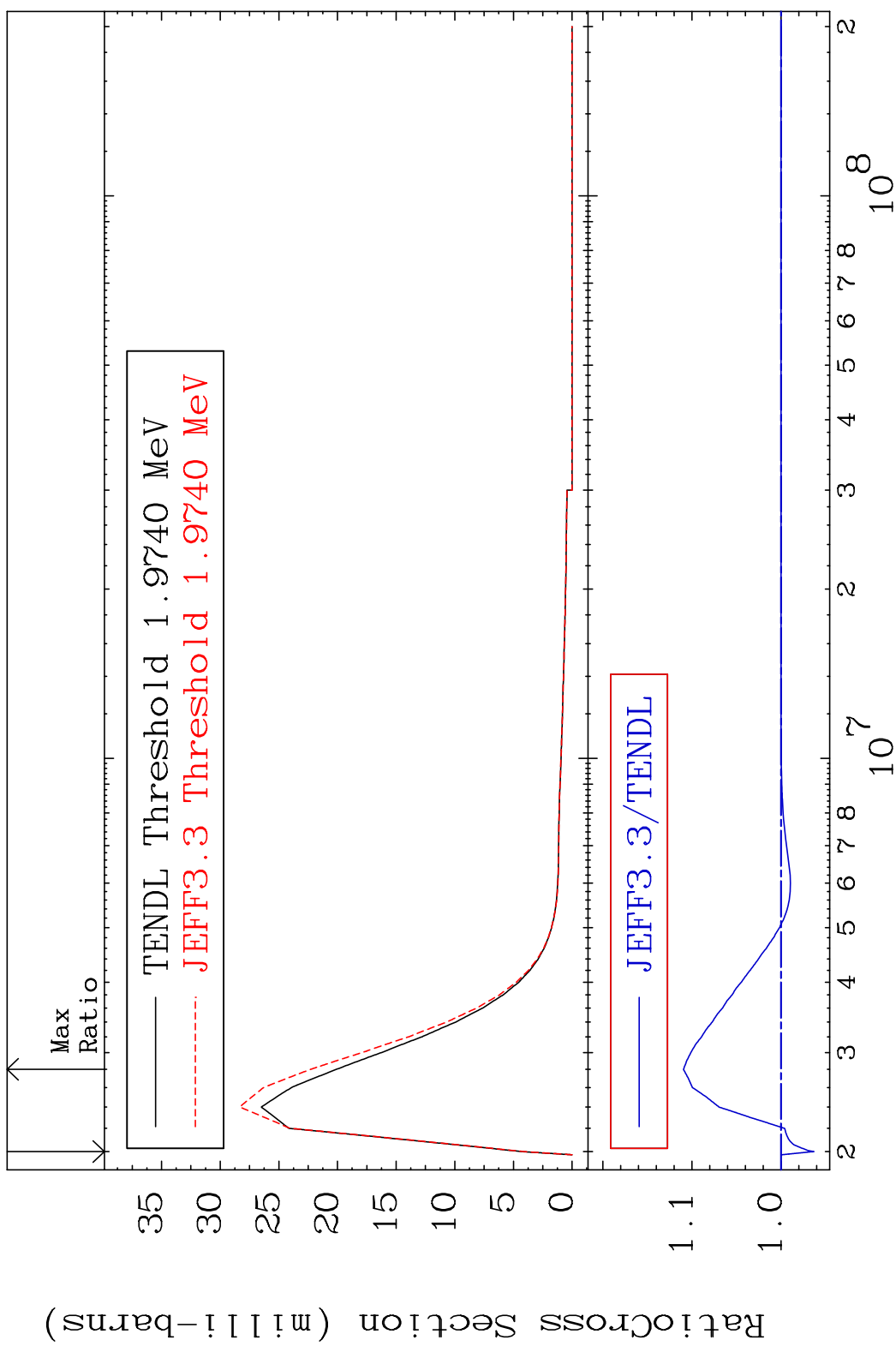
36 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 70 (n, n') Level 46-Pd-110  
 Cross Section -6.553 To 11.07 %

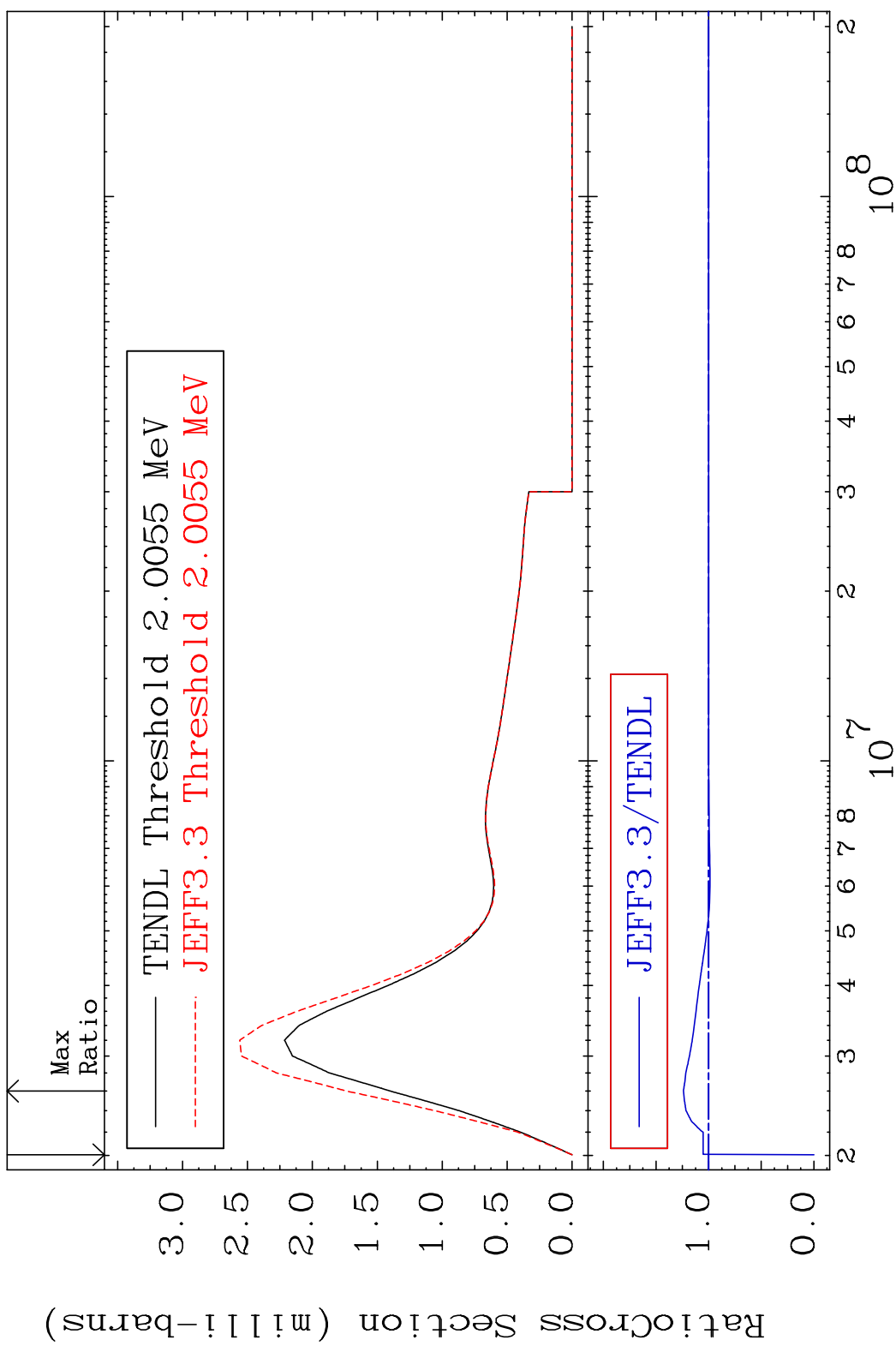


37 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 71 (n, n') Level 46-Pd-110  
 Cross Section -3.691 To 10.95 %



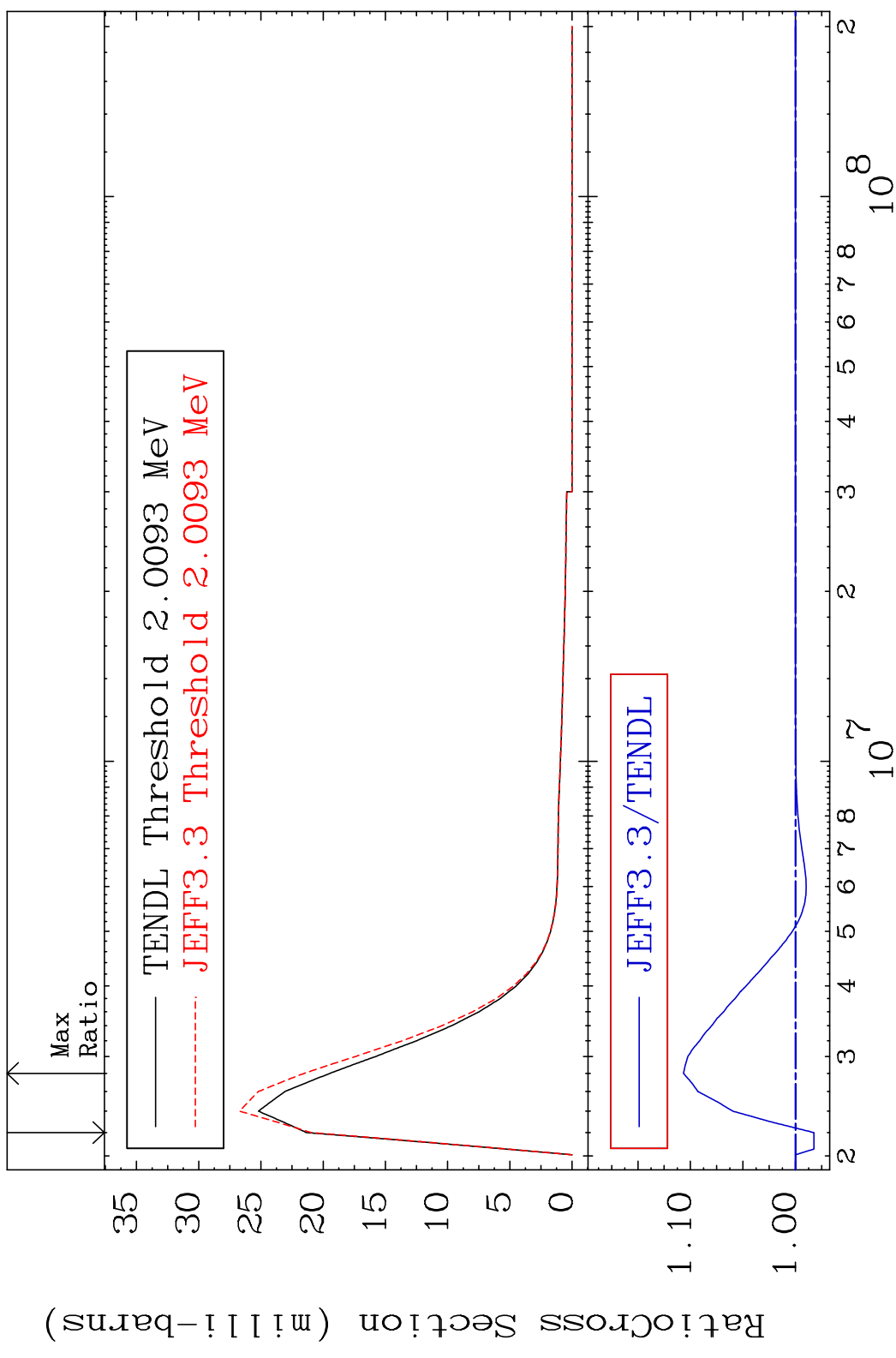
MAT 4649 MT= 72 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 23.93 %



39 Incident Energy (eV) 46-Pd-110

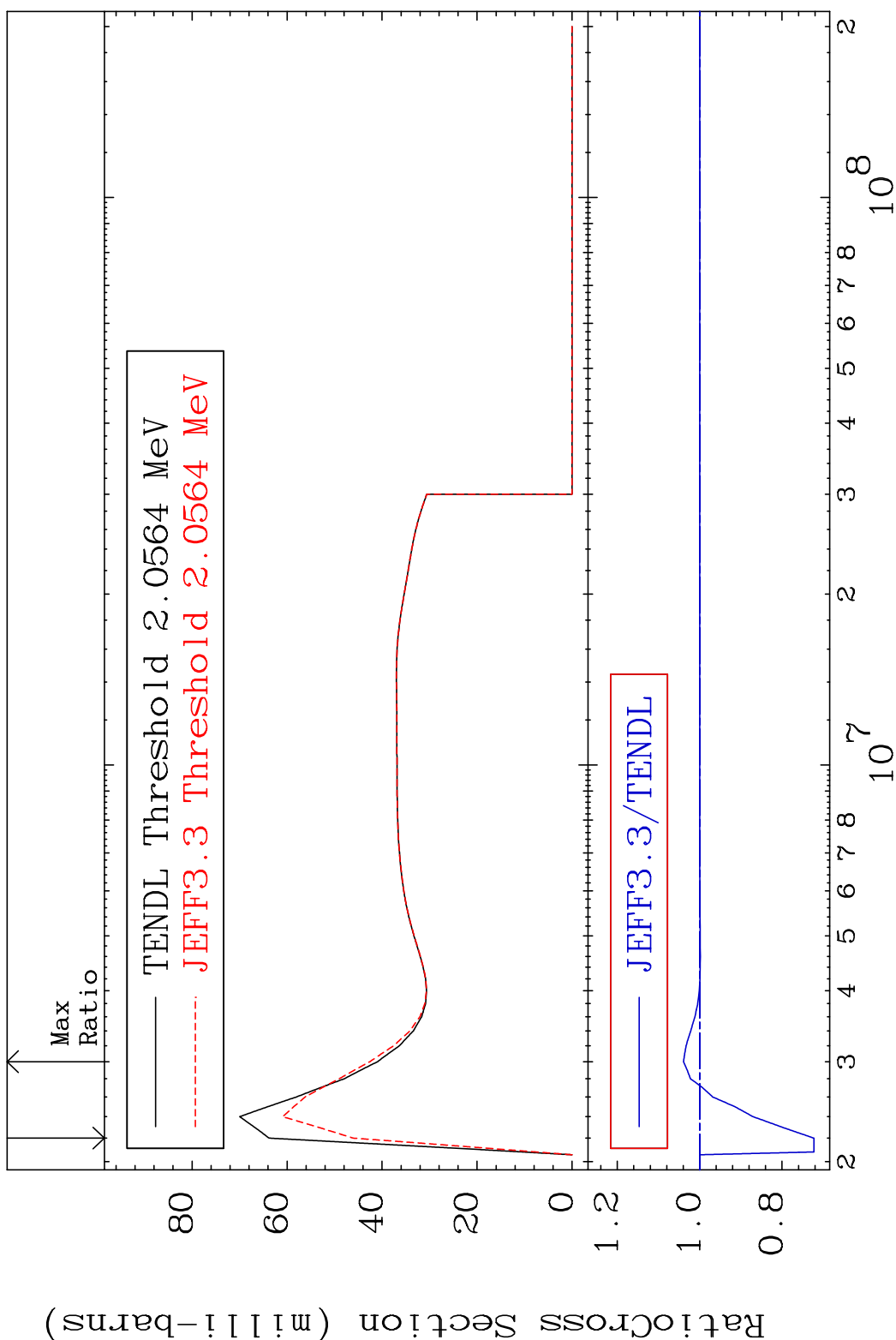


MAT 4649 MT= 73 (n, n') Level 46-Pd-110  
 Cross Section -1.751 To 10.66 %



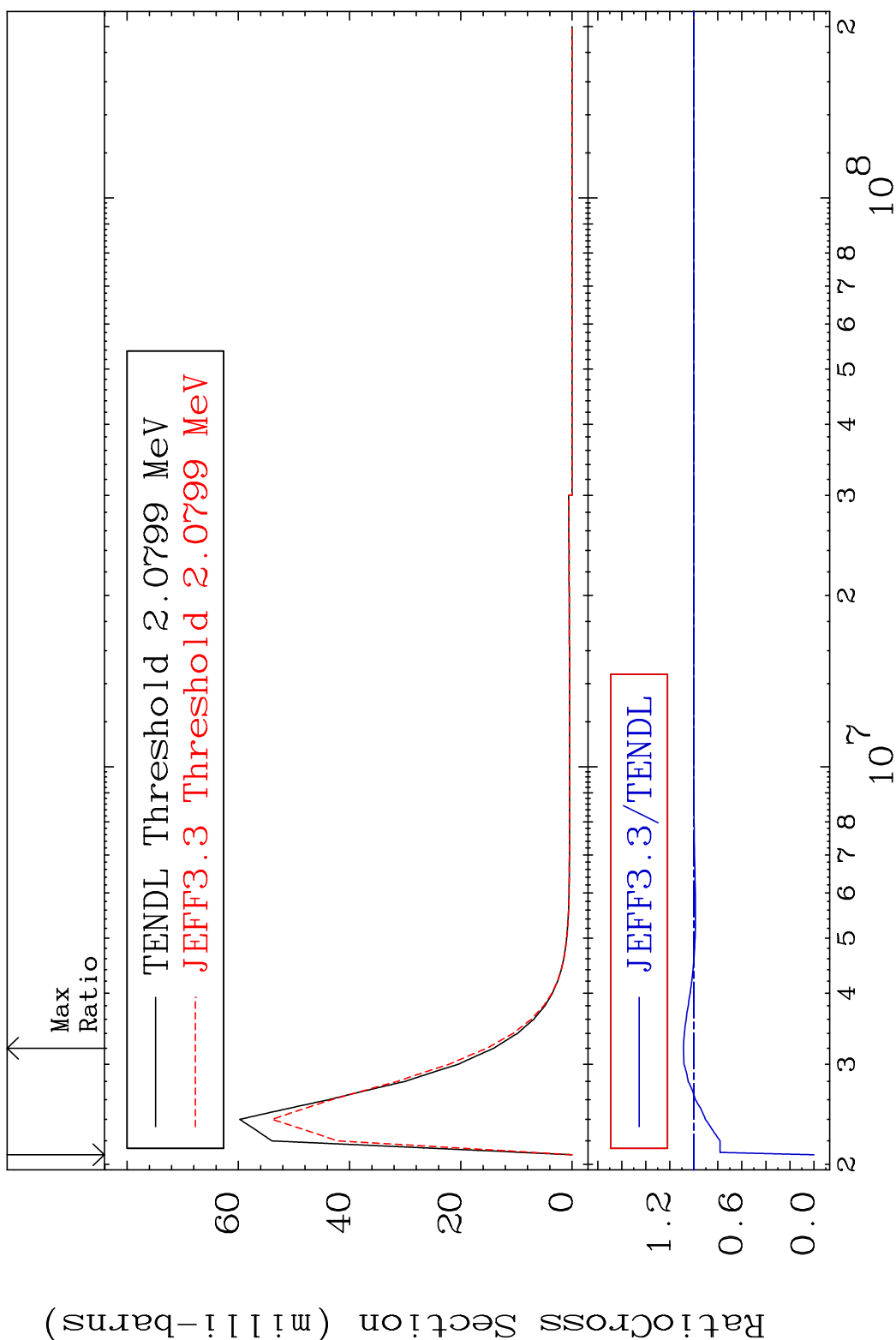
40 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 74 (n, n') Level 46-Pd-110  
 Cross Section -27.73 To 3.939 %



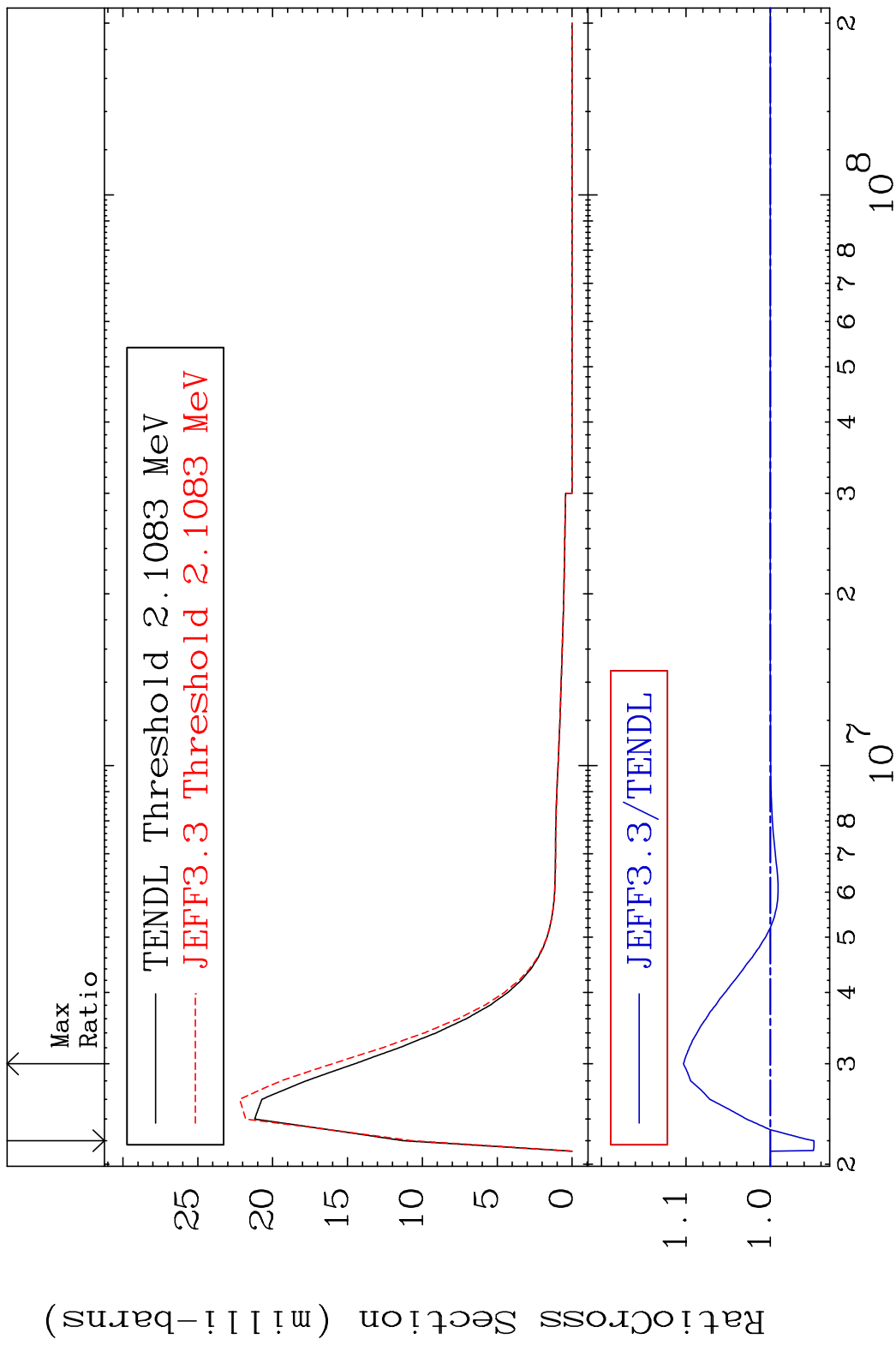
41 Incident Energy (eV) 46-Pd-110

MAT 4649 MT= 75 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 8.619 %



42 46-Pd-110

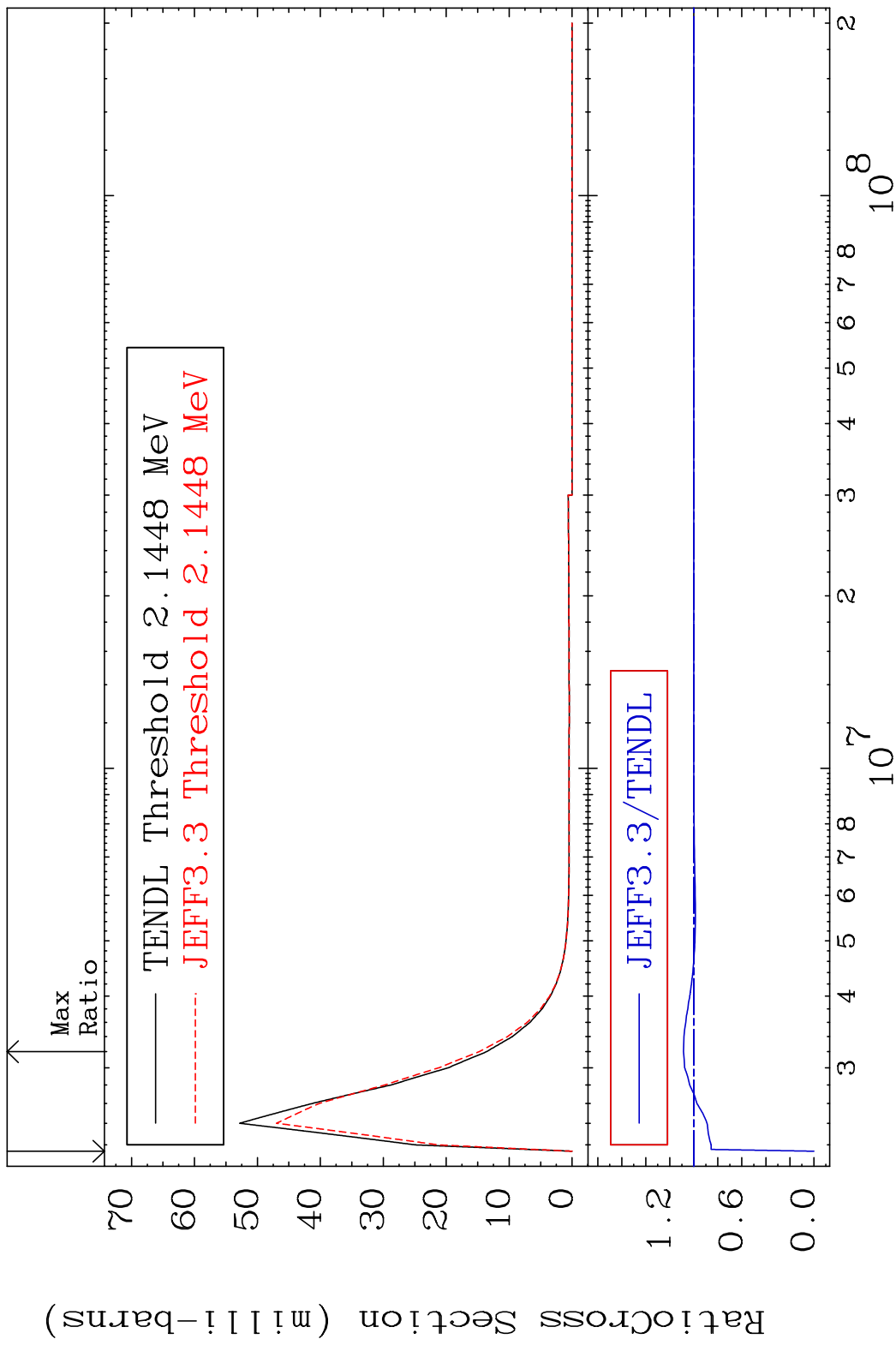
MAT 4649 MT= 76 (n, n') Level 46-Pd-110  
 Cross Section -5.146 To 10.29 %



43 Incident Energy (eV) 46-Pd-110

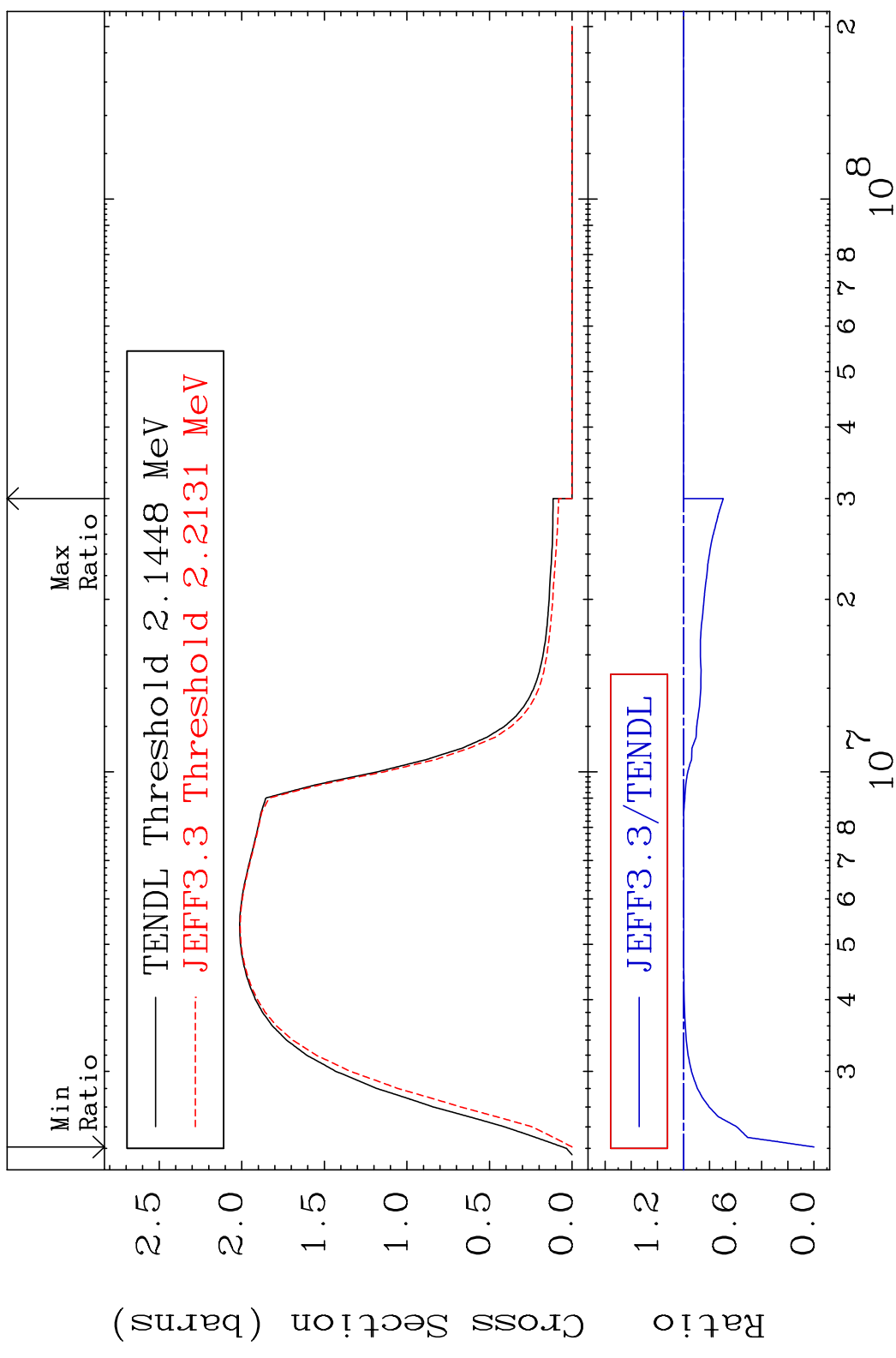


MAT 4649 MT= 78 (n, n') Level 46-Pd-110  
 Cross Section -100.0 To 8.609 %

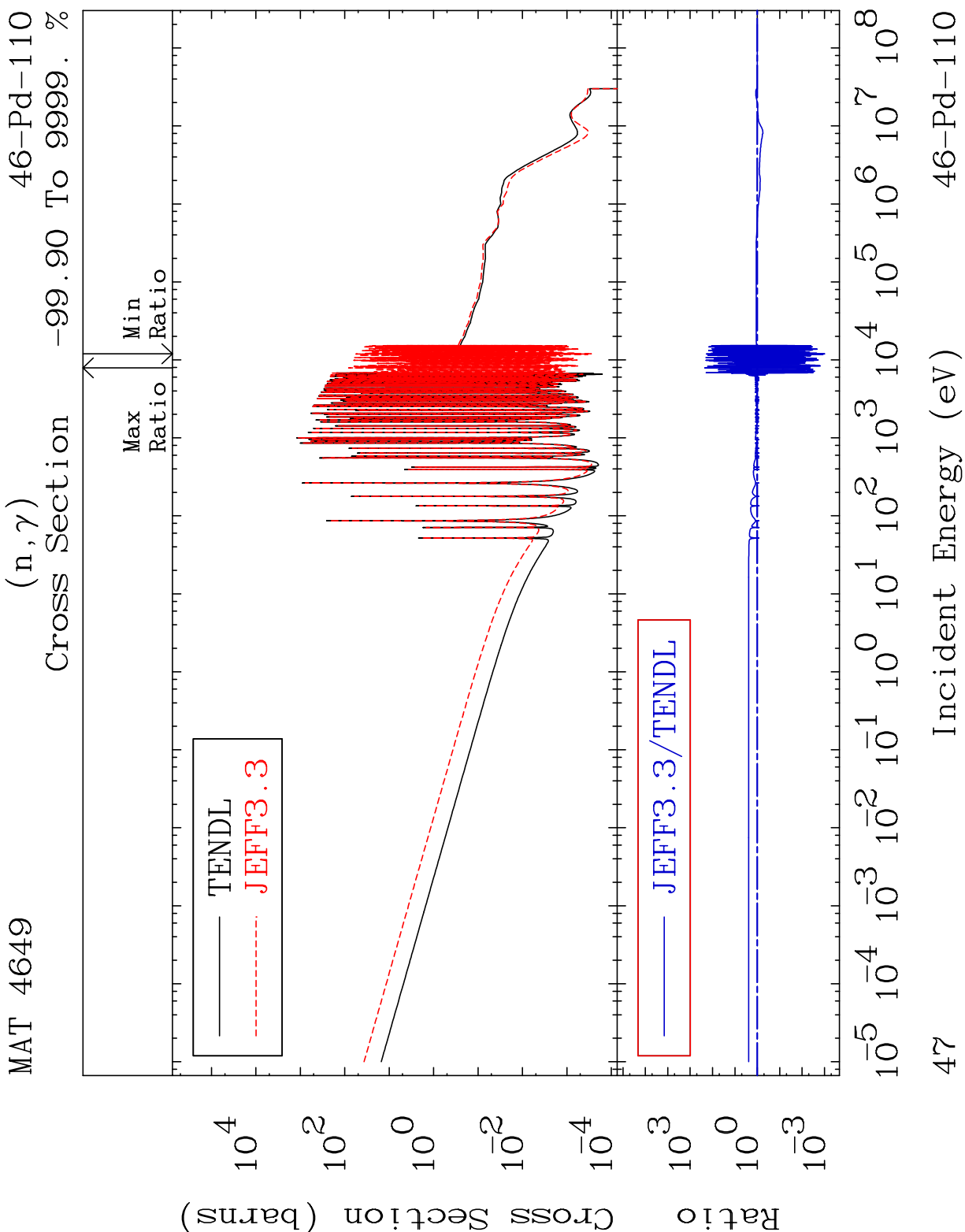


45 Incident Energy (eV) 46-Pd-110

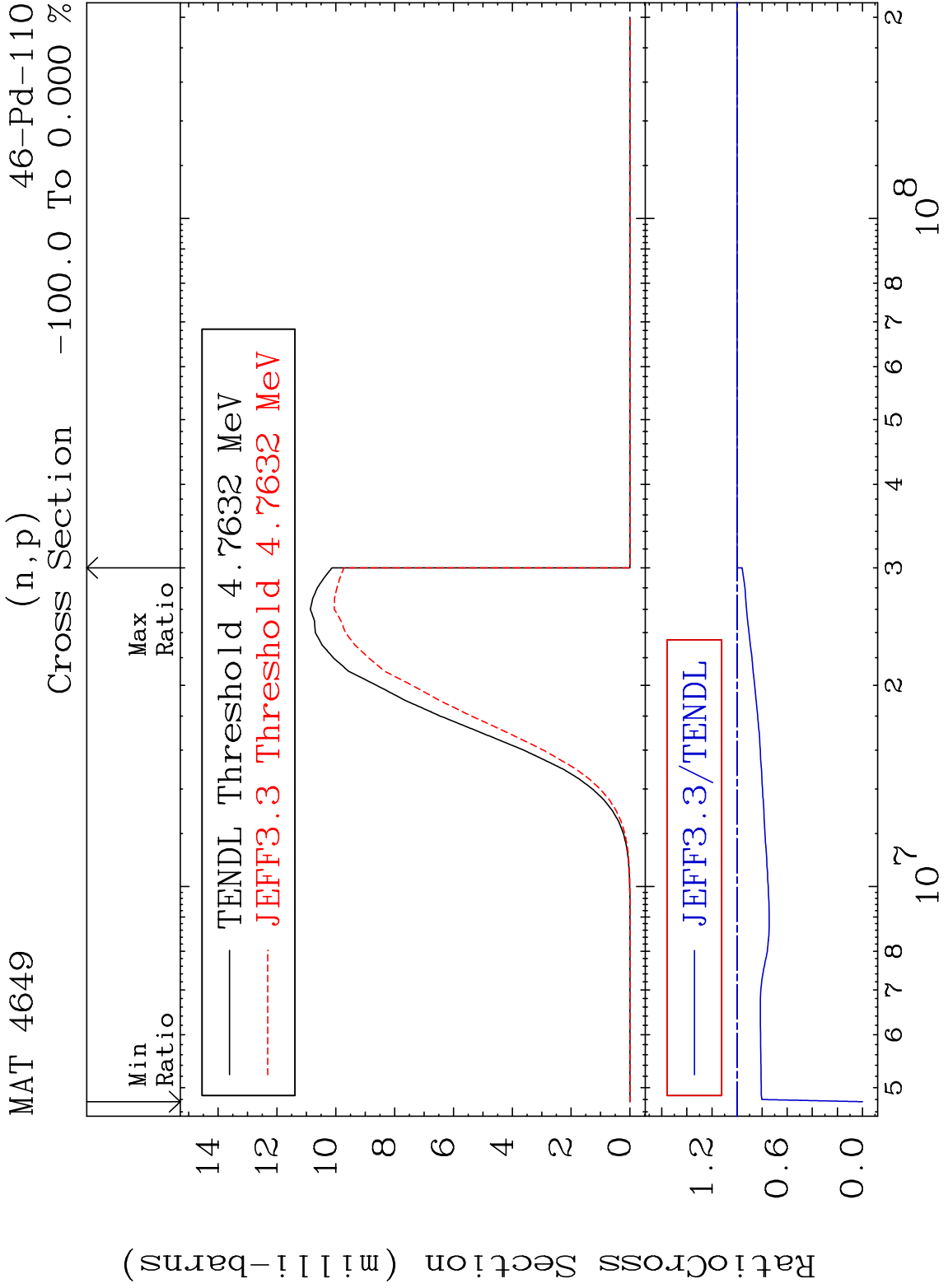
MAT 4649 (n, n') Continuum 46-Pd-110  
 Cross Section -100.0 To 0.000 %

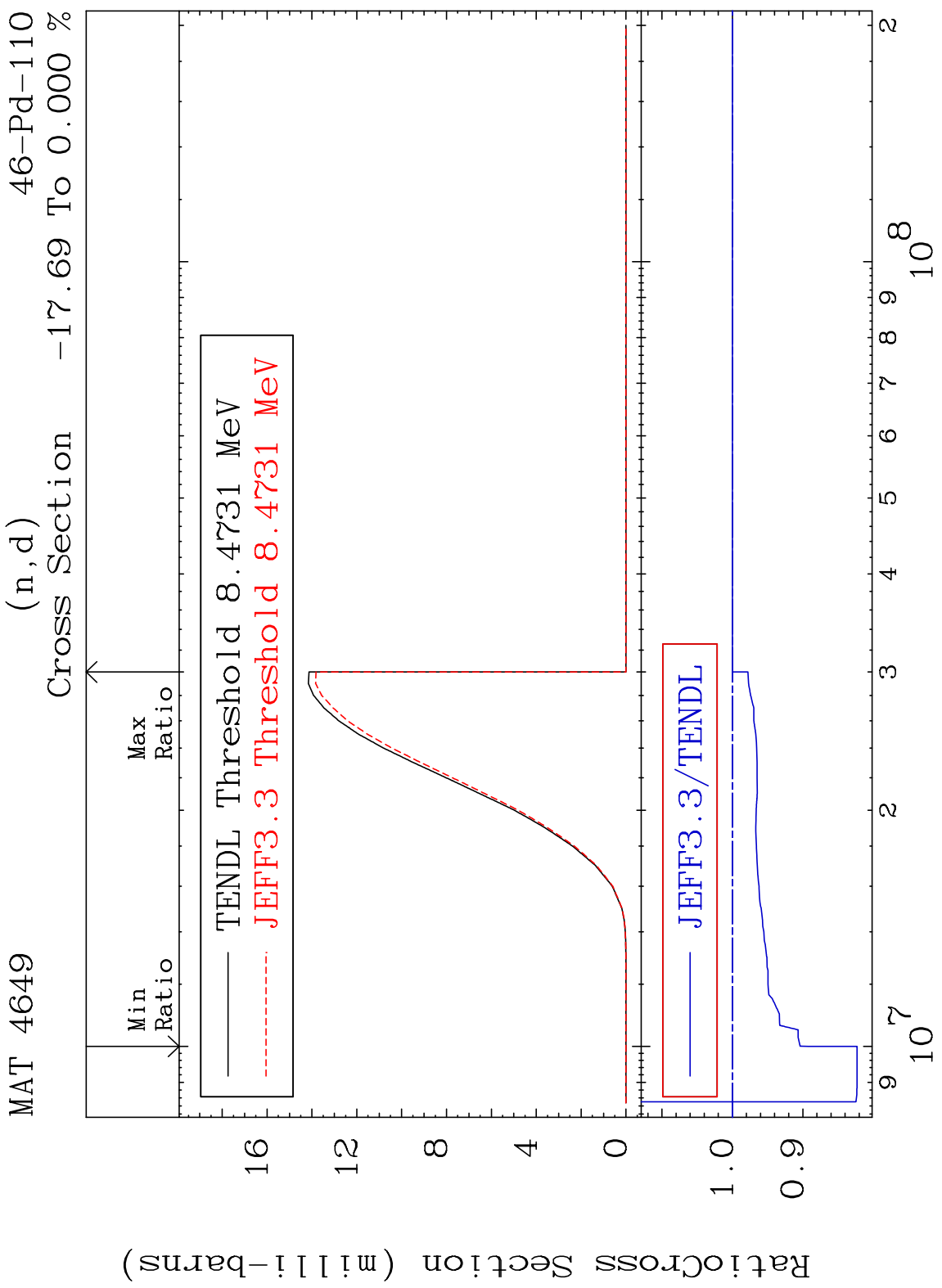


46 Incident Energy (eV) 46-Pd-110

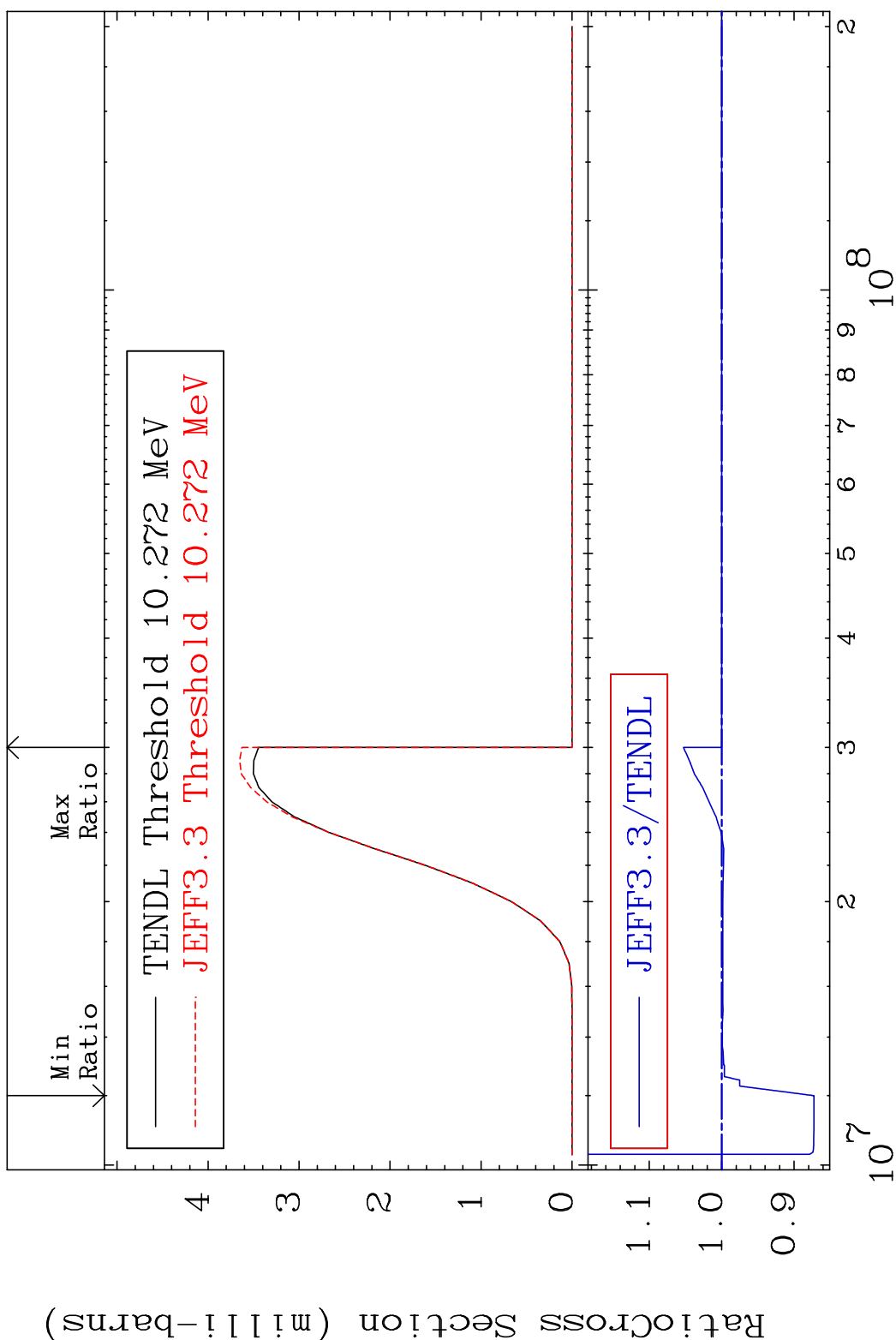




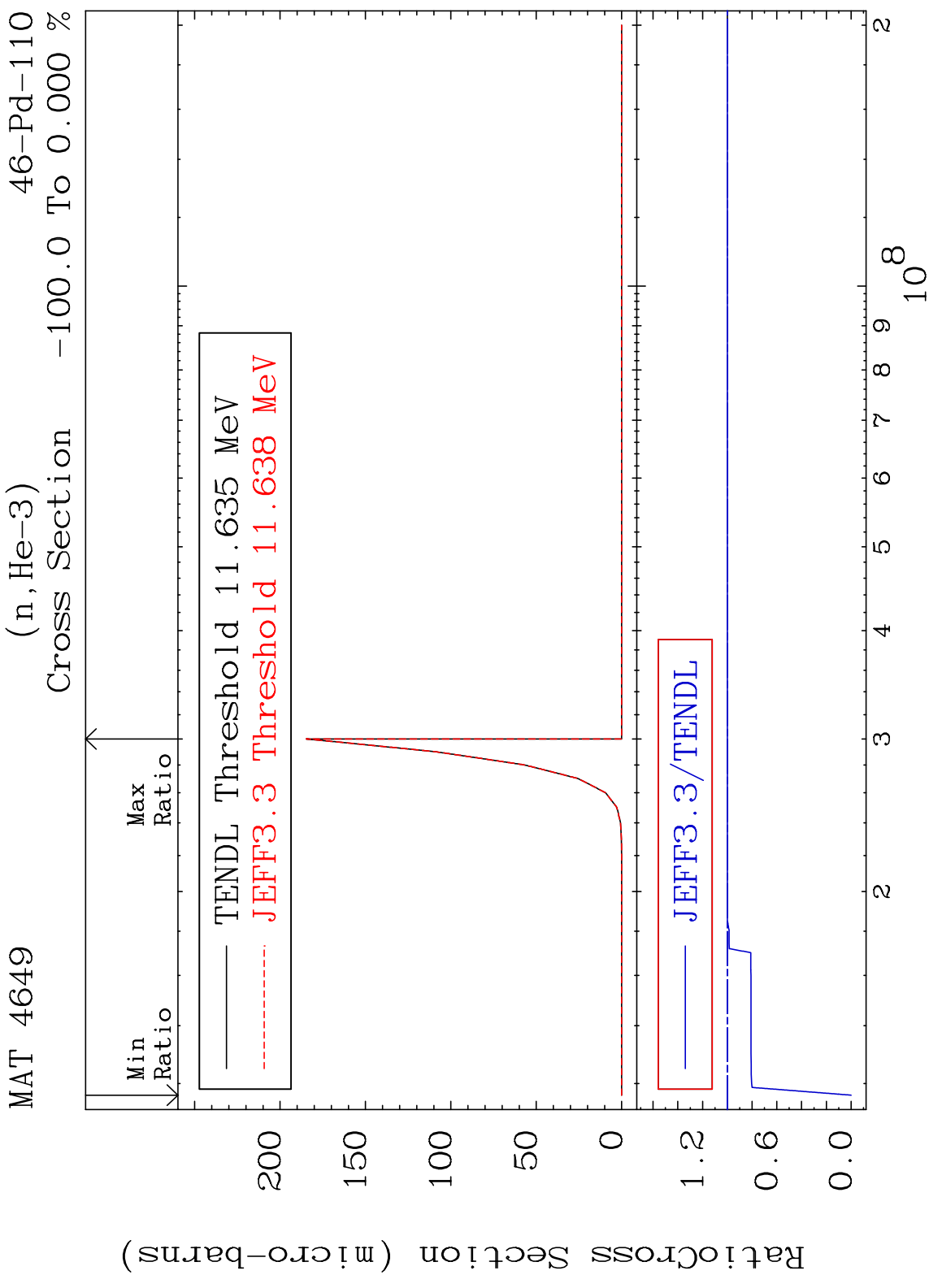




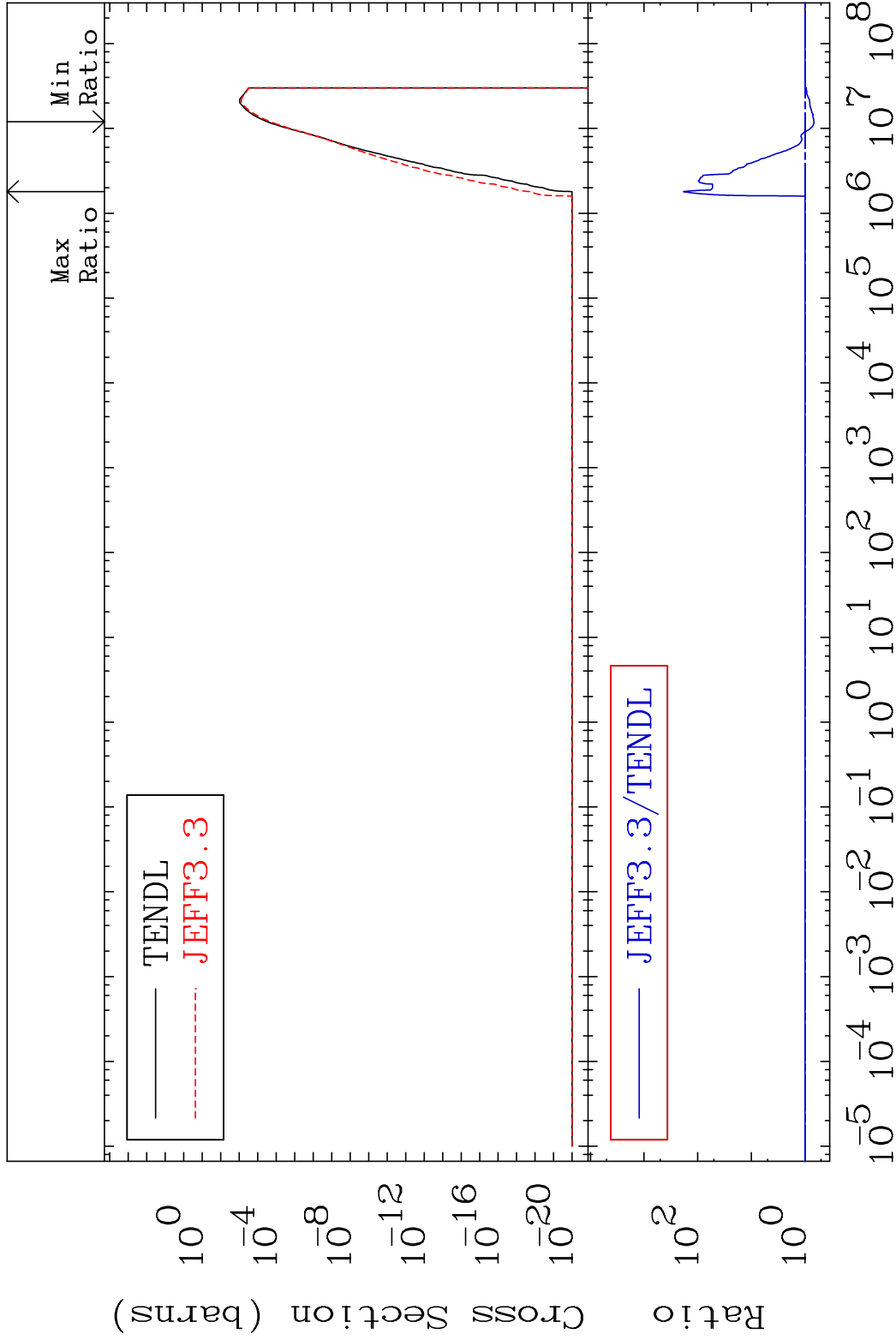
MAT 4649 (n, t) 46-Pd-110  
Cross Section -12.73 To 5.280 %



50 46-Pd-110

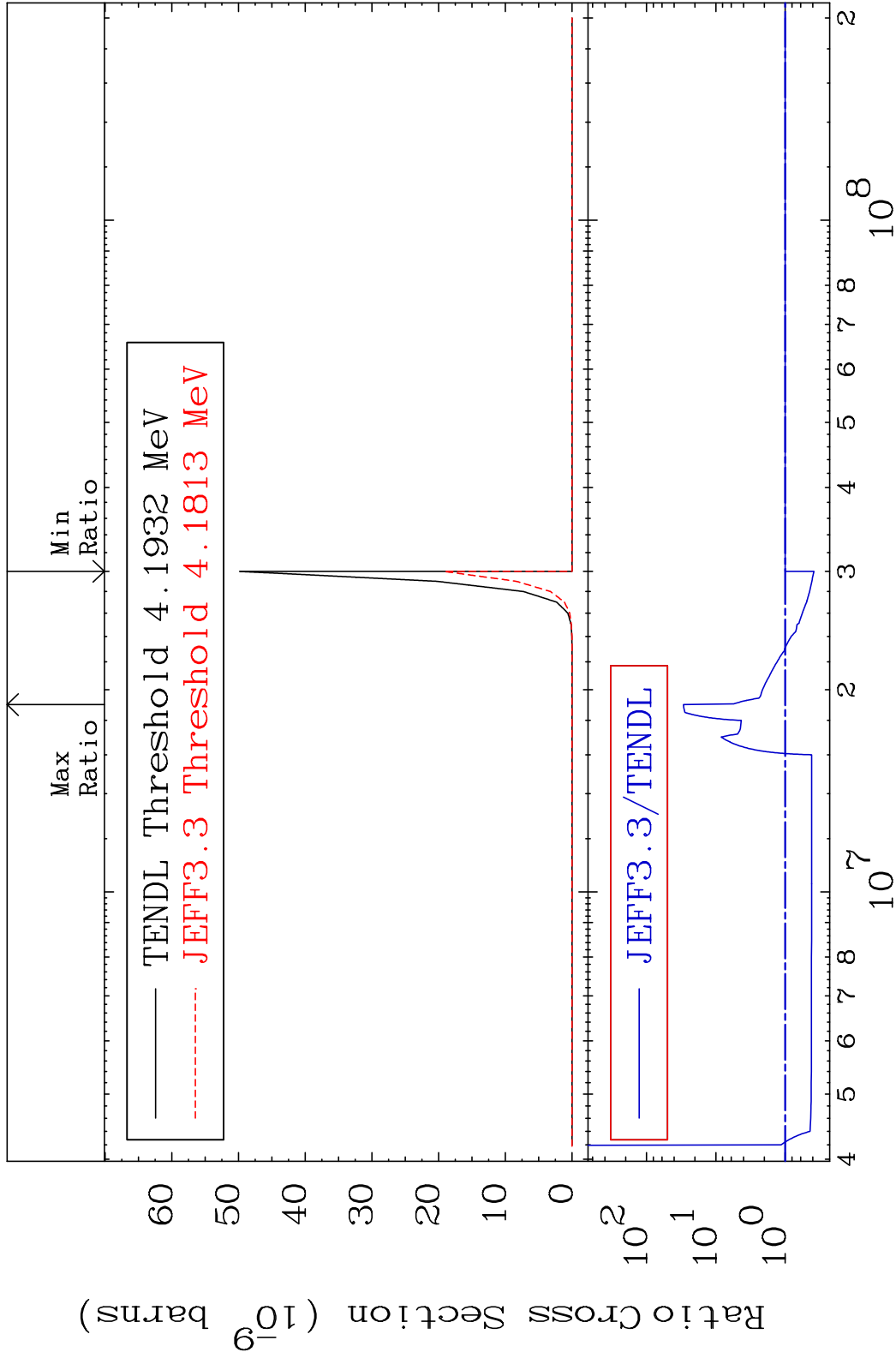


MAT 4649 (n,  $\alpha$ ) 46-Pd-110  
 Cross Section -31.80 To 9999. %

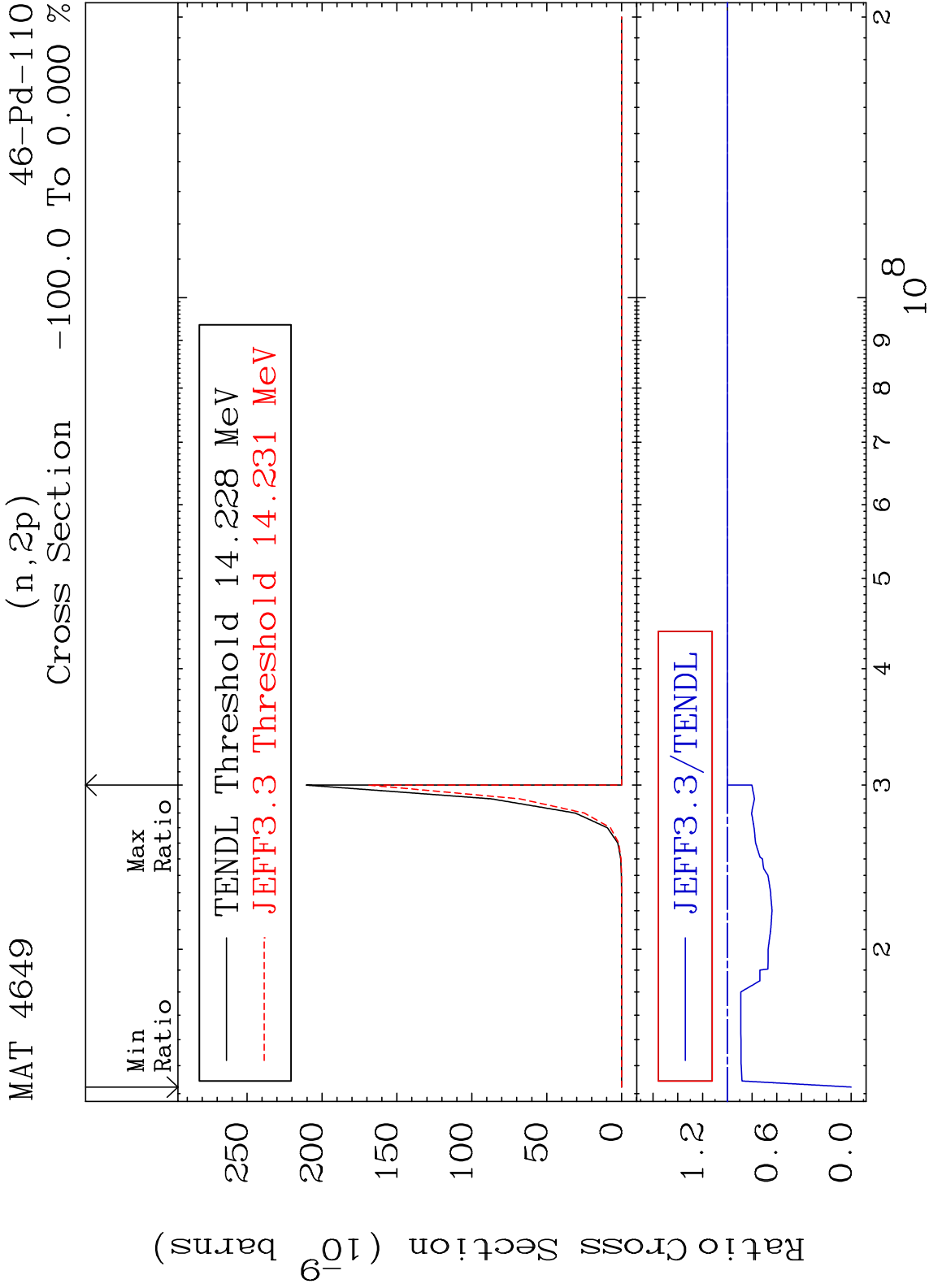


52 Incident Energy (eV) 46-Pd-110

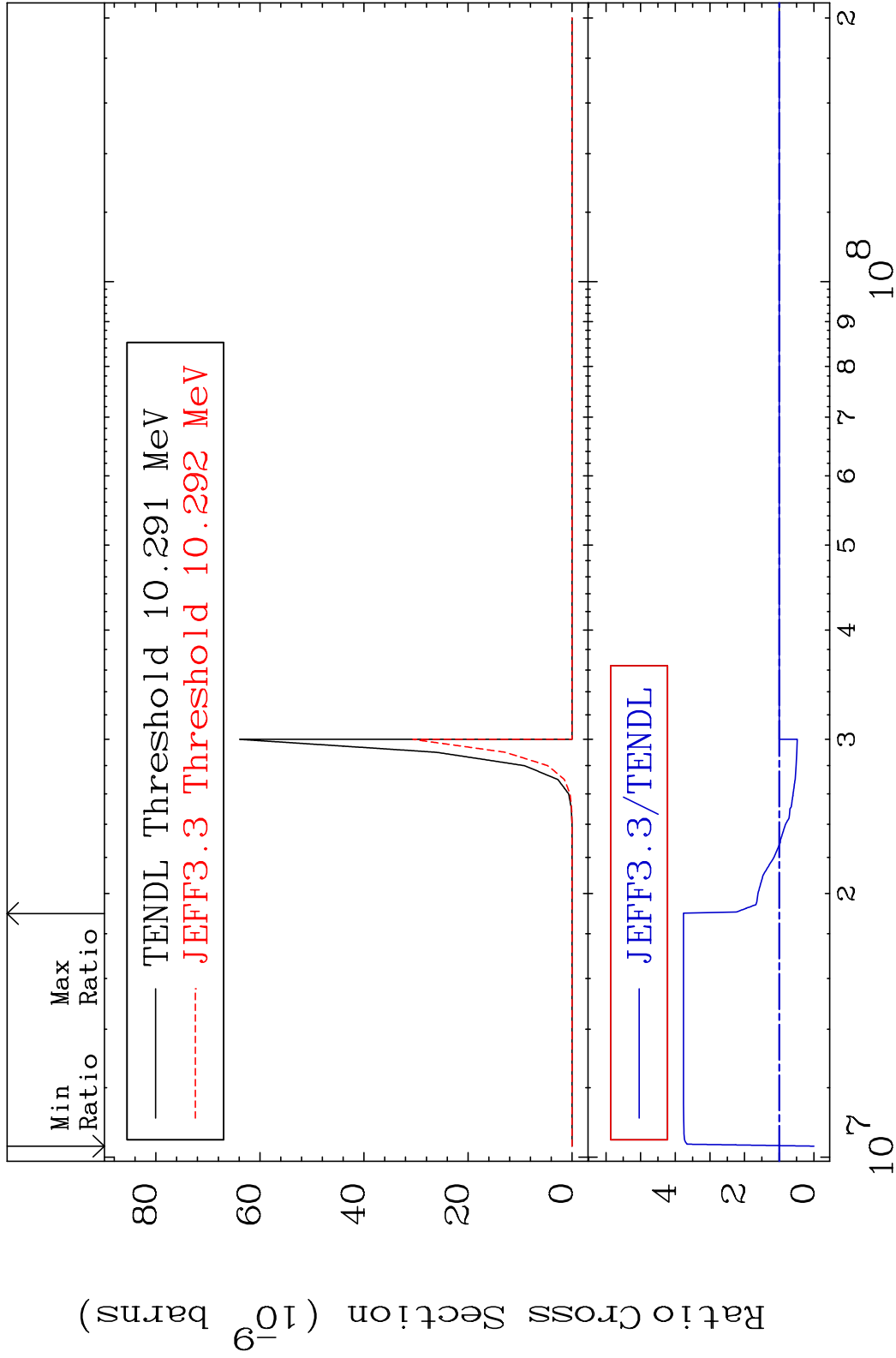
MAT 4649 (n,2α) 46-Pd-110  
 Cross Section -61.41 To 2835. %



53 Incident Energy (eV) 46-Pd-110



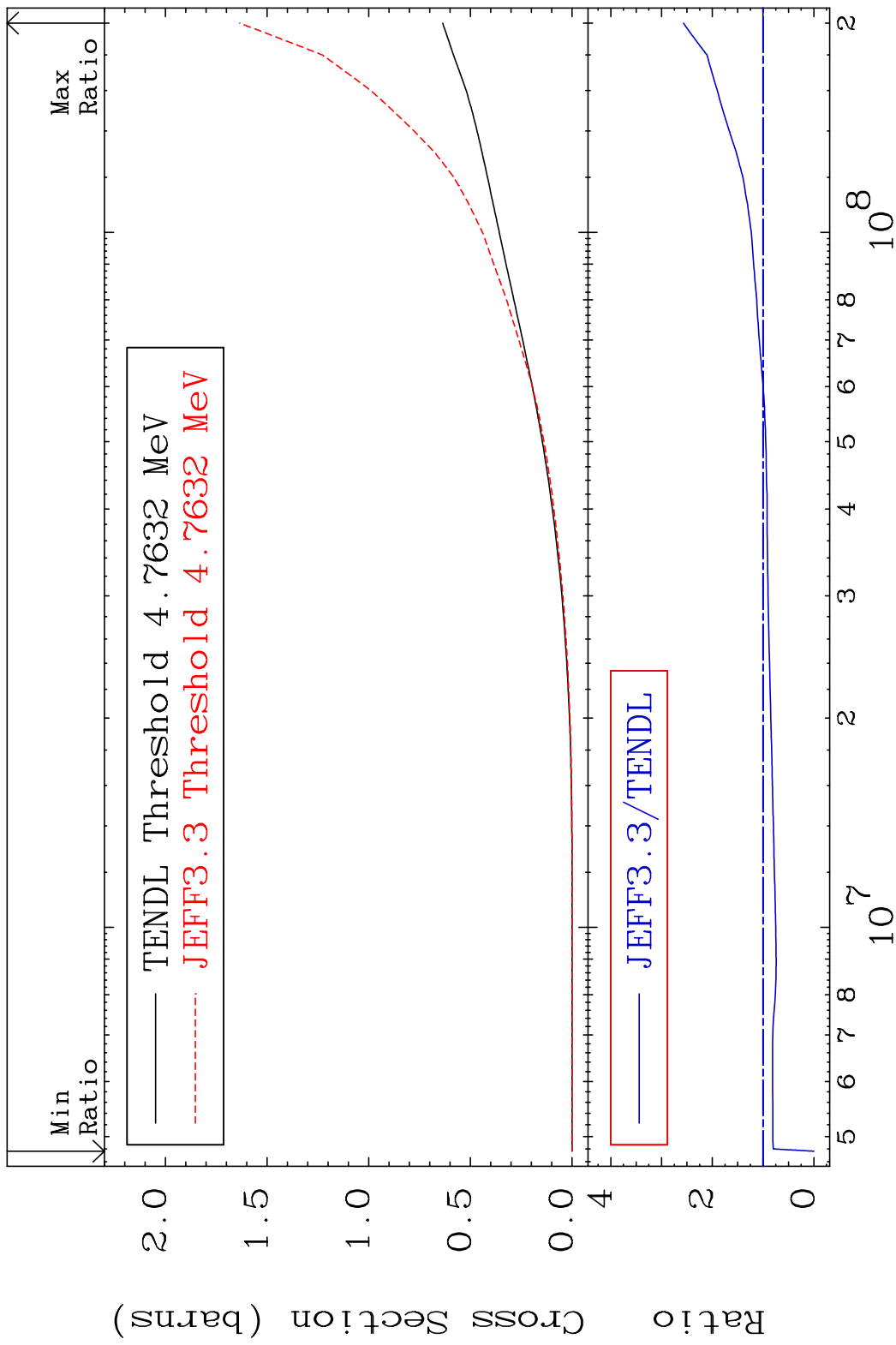
MAT 4649 (n,p)  $\alpha$  46-Pd-110  
 Cross Section -100.0 To 276.4 %



55 Incident Energy (eV) 46-Pd-110

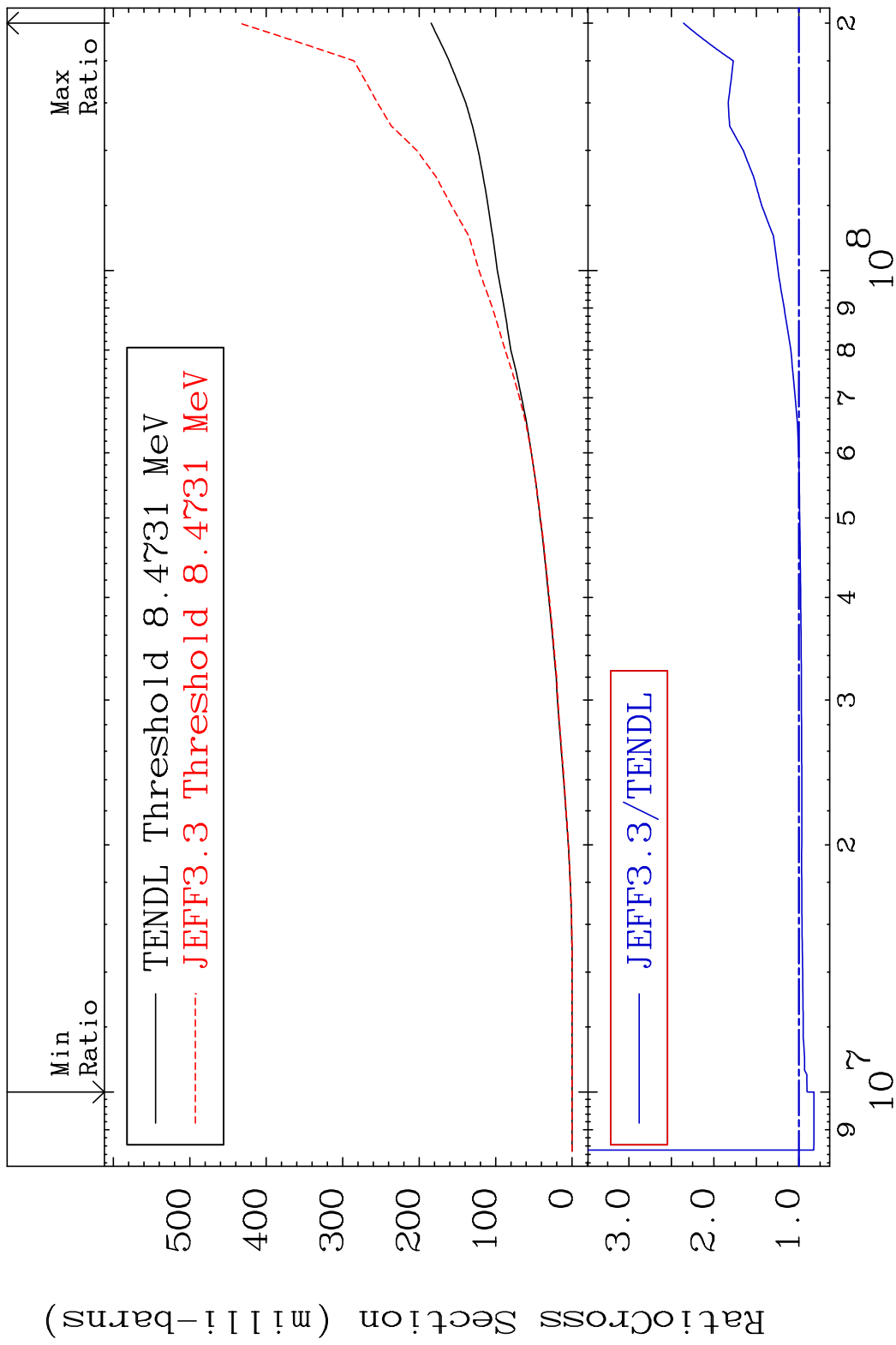


MAT 4649 Hydrogen Production 46-Pd-110  
 Cross Section -100.0 To 156.9 %



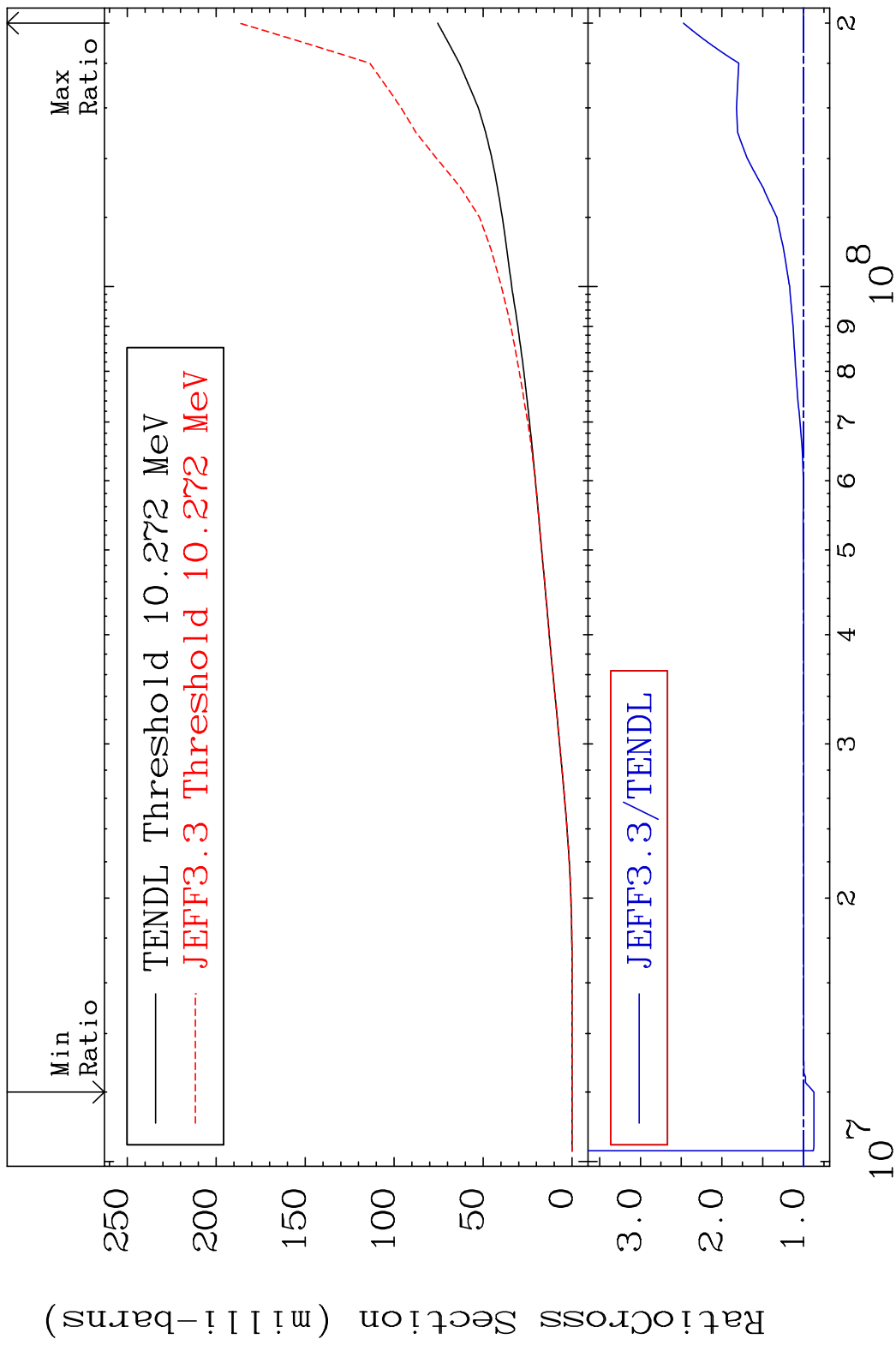
56 Incident Energy (eV) 46-Pd-110

MAT 4649 Deuterium Production 46-Pd-110  
 Cross Section -17.69 To 135.8 %



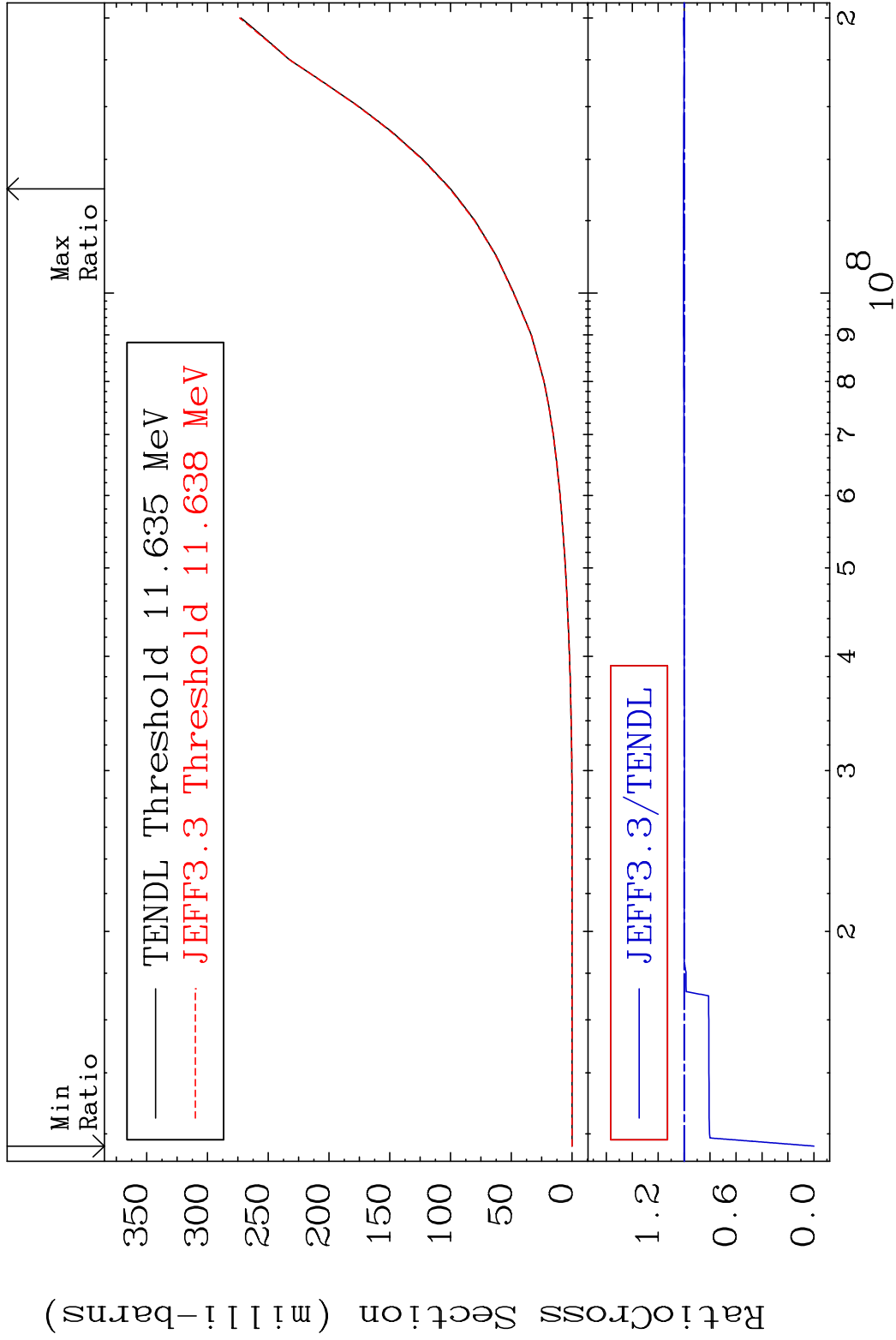
57 Incident Energy (eV) 46-Pd-110

MAT 4649 Tritium Production 46-Pd-110  
 Cross Section -12.73 To 147.2 %



58 Incident Energy (eV) 46-Pd-110

MAT 4649 He-3 Production 46-Pd-110  
 Cross Section -100.0 To 0.540 %



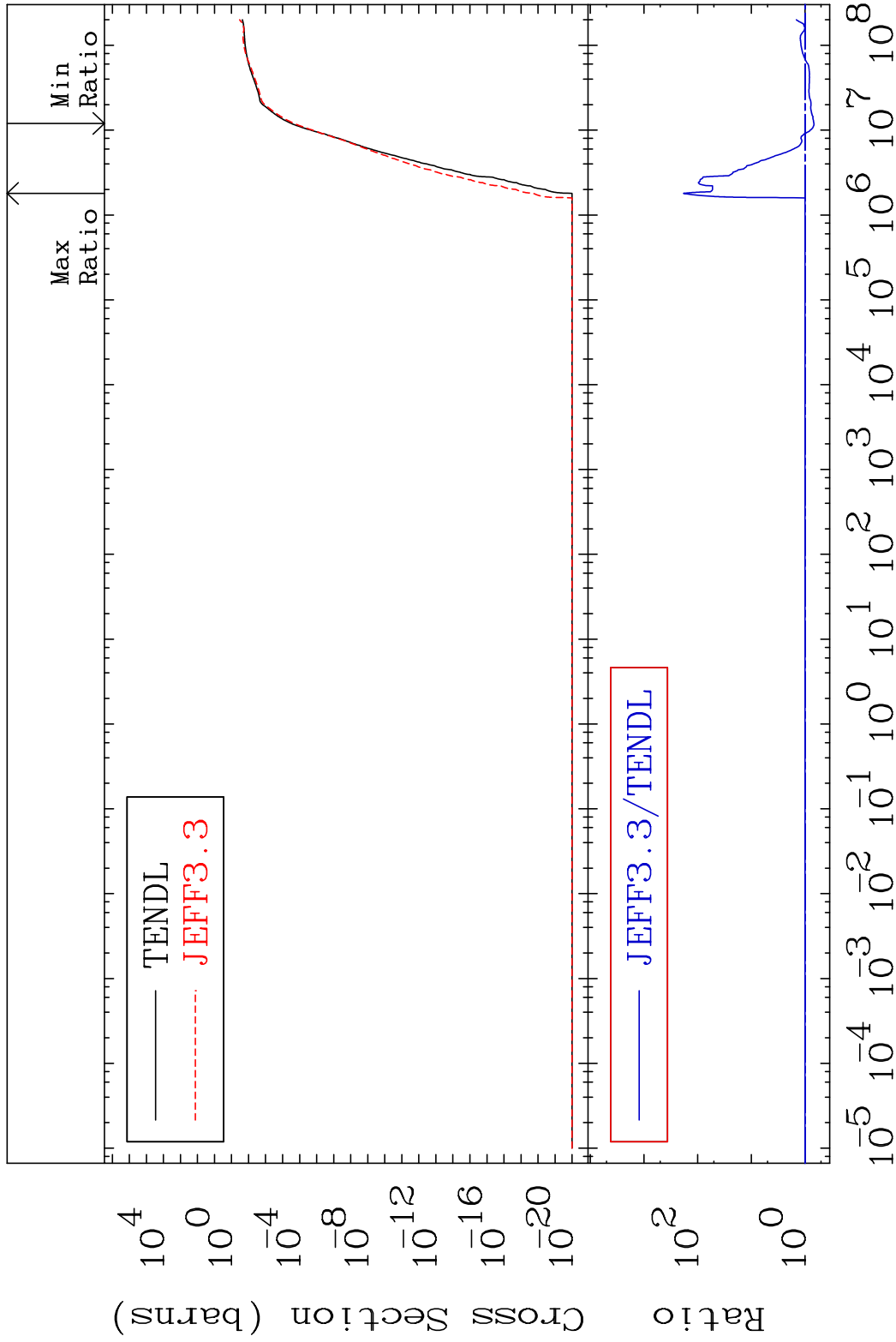
59 Incident Energy (eV) 46-Pd-110

MAT 4649

He-4 Production

46-Pd-110

Cross Section -31.79 To 9999. %

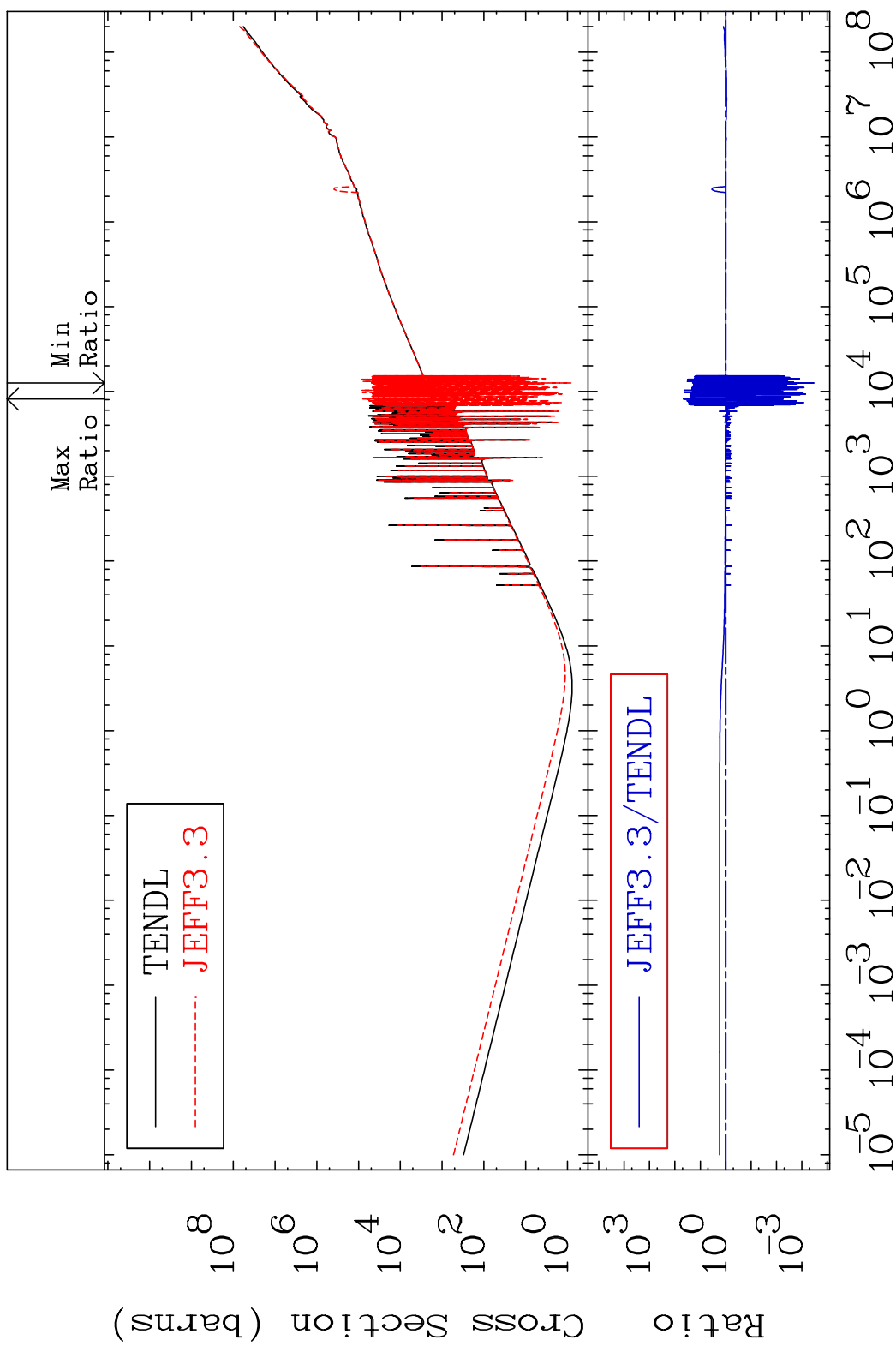


60

Incident Energy (eV)

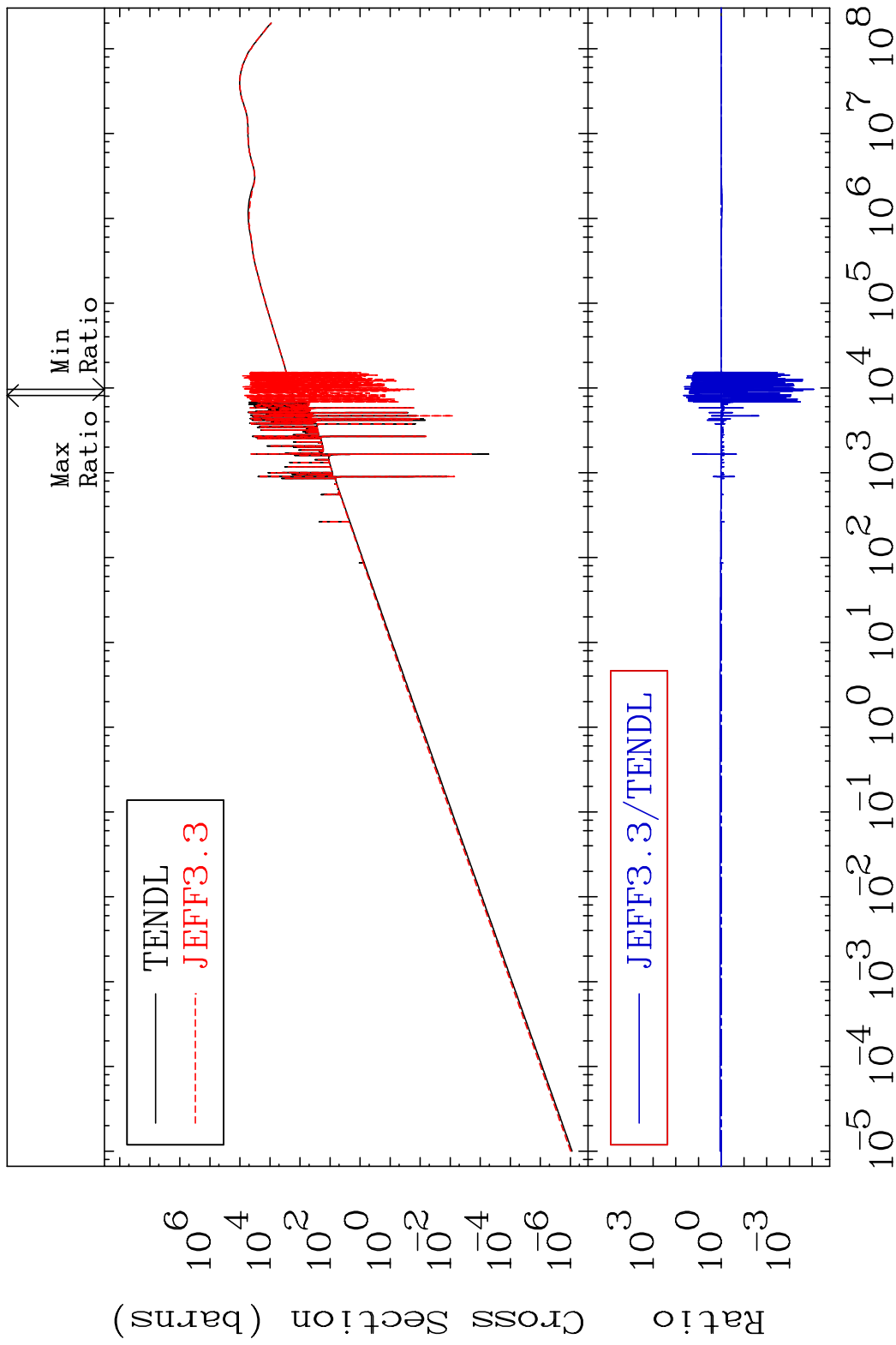
46-Pd-110

MAT 4649 Kerma total (eV-barns) 46-Pd-110  
 Cross Section -99.97 To 4511. %



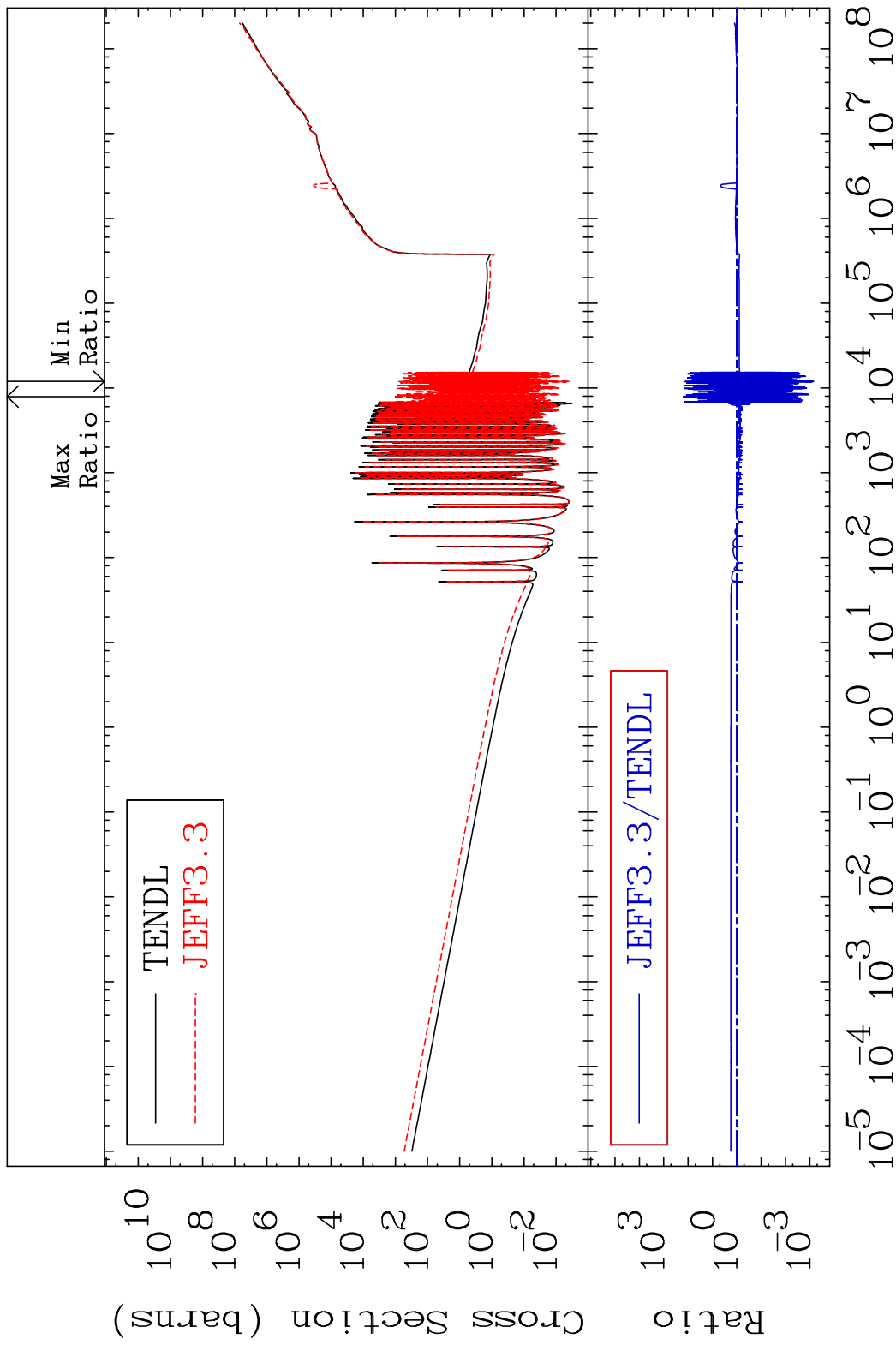
61 Incident Energy (eV) 46-Pd-110

MAT 4649      Kerma elastic      46-Pd-110  
Cross Section      -99.99 To 4486. %



62      Incident Energy (eV)      46-Pd-110

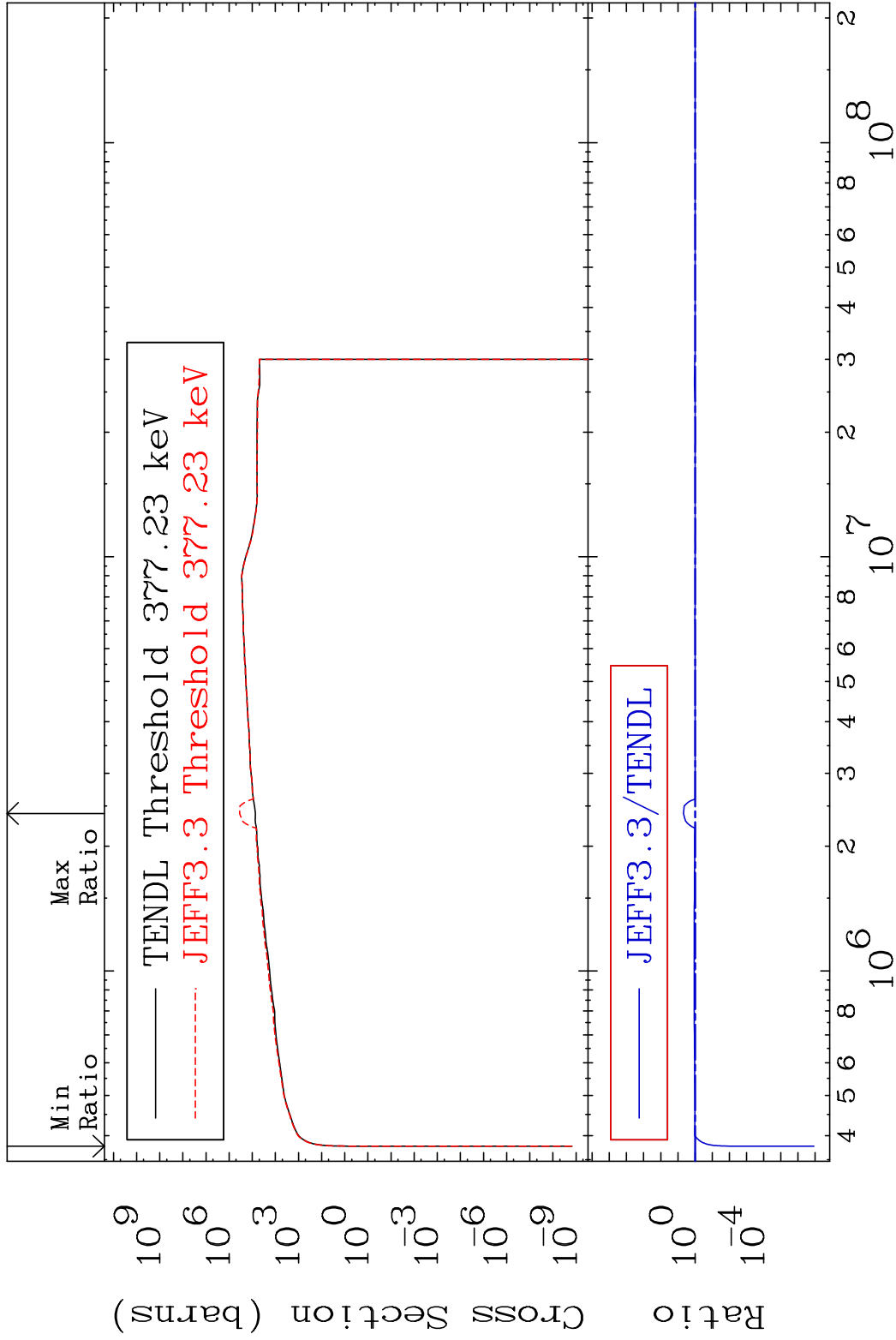
MAT 4649 Kerma non-elastic (all but mt2) 46-Pd-110  
 Cross Section -99.93 To 9999. %



63 Incident Energy (eV) 46-Pd-110

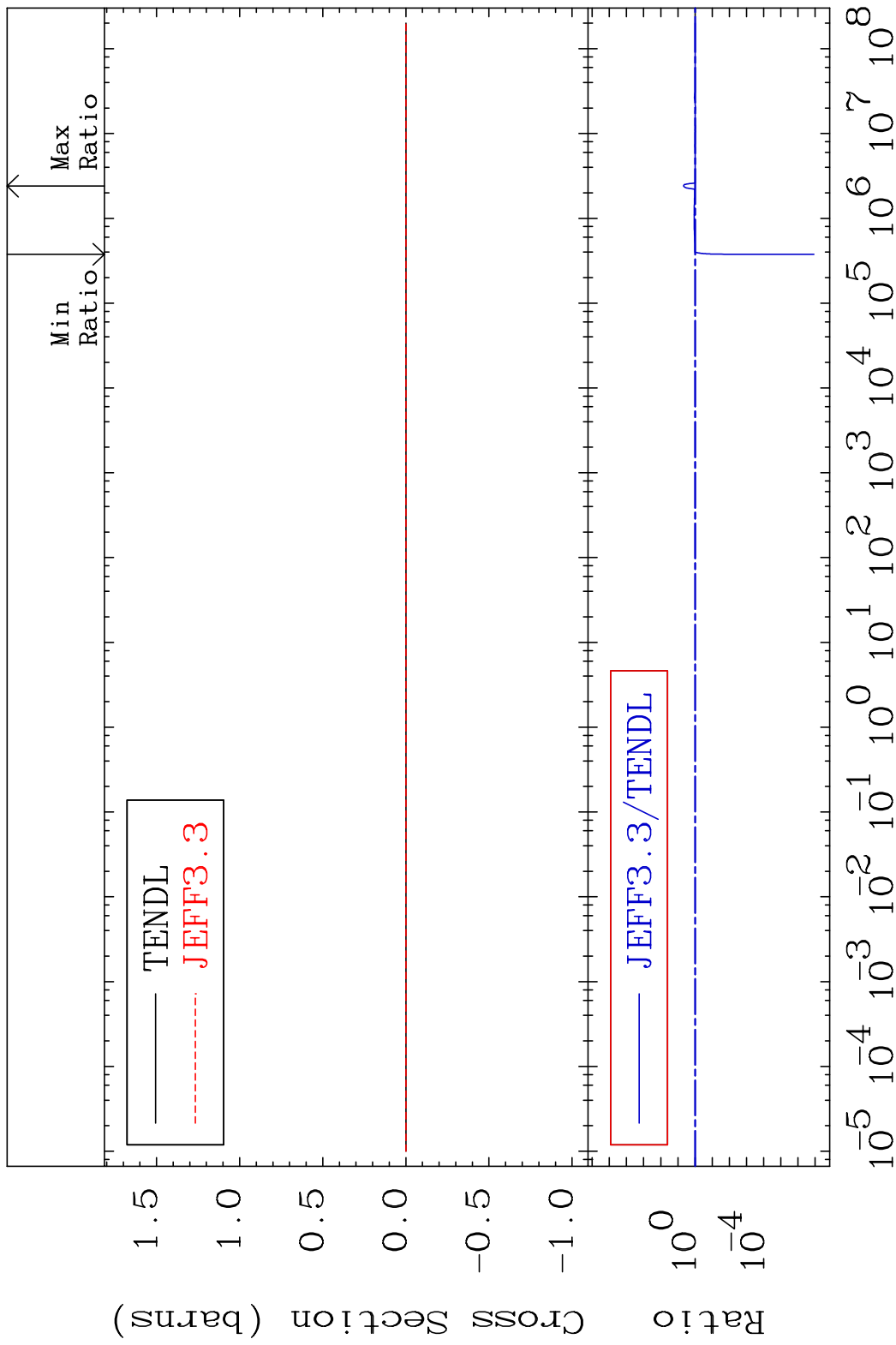


MAT 4649 Kerma inelastic (mt51-91) 46-Pd-110  
 Cross Section -100.0 To 375.7 %

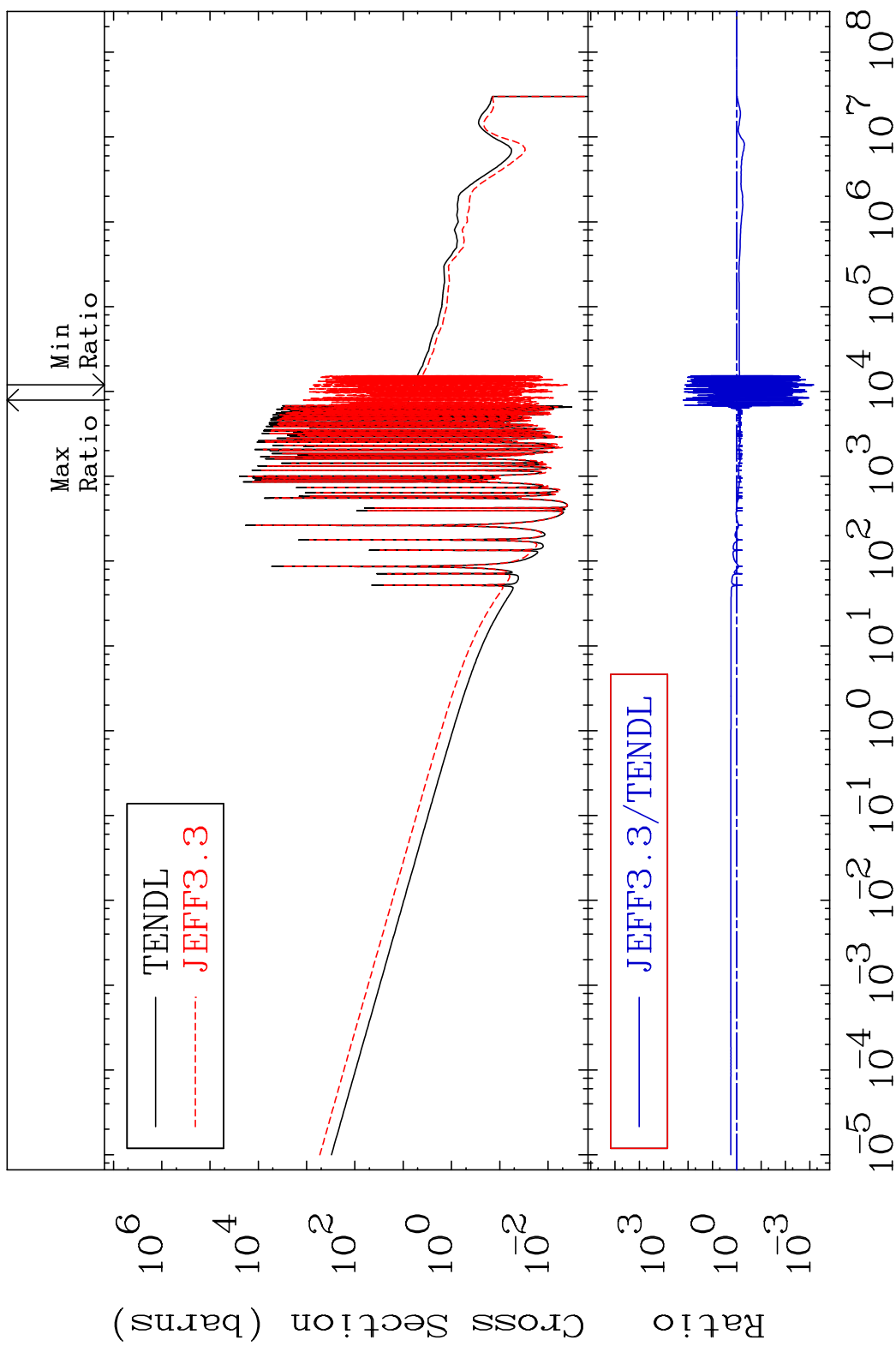


64 Incident Energy (eV) 46-Pd-110

MAT 4649 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-110  
 Cross Section -100.0 To 375.7 %

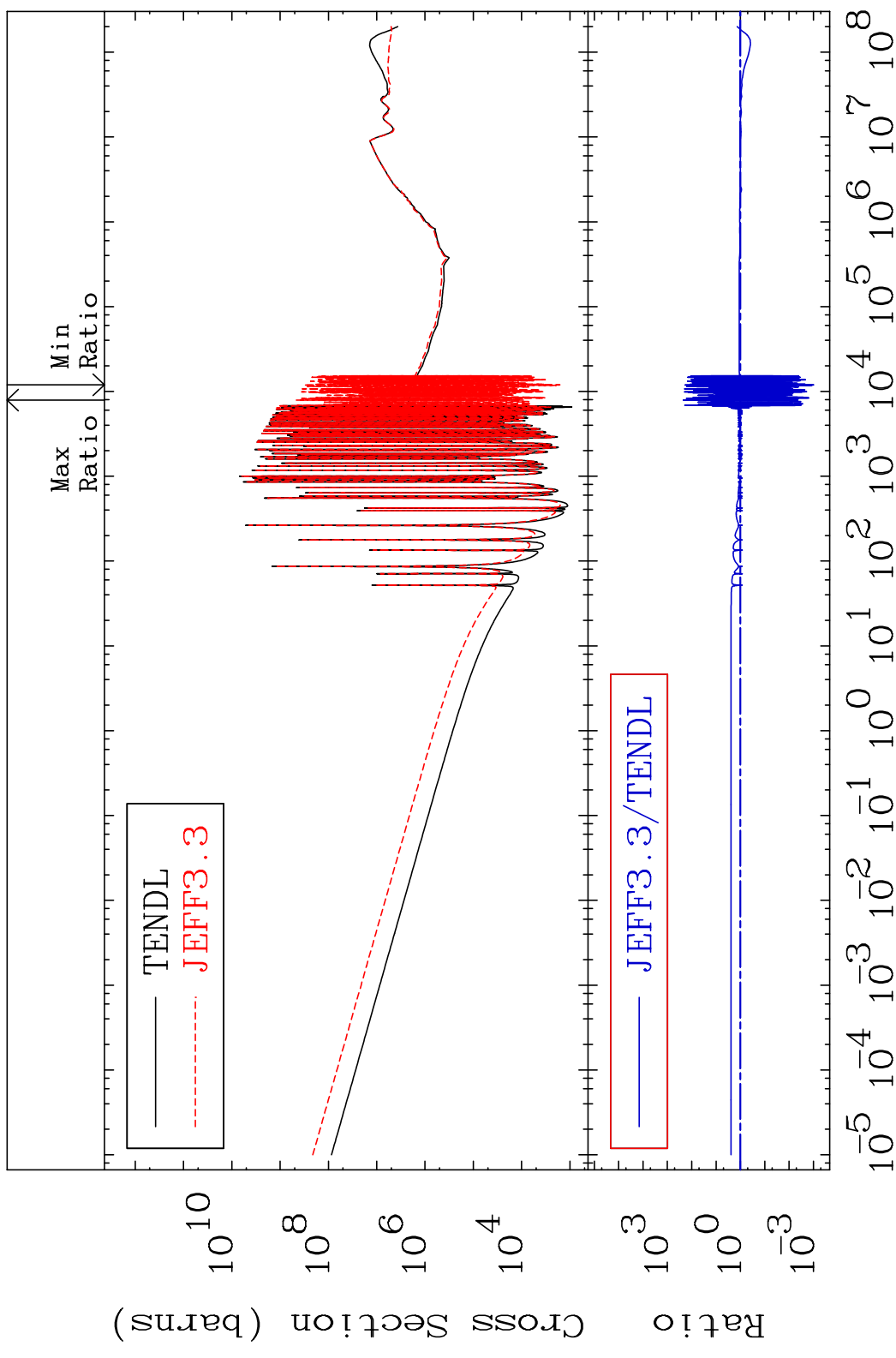


MAT 4649 Kerma capture (mt102) 46-Pd-110  
 Cross Section -99.93 To 9999. %



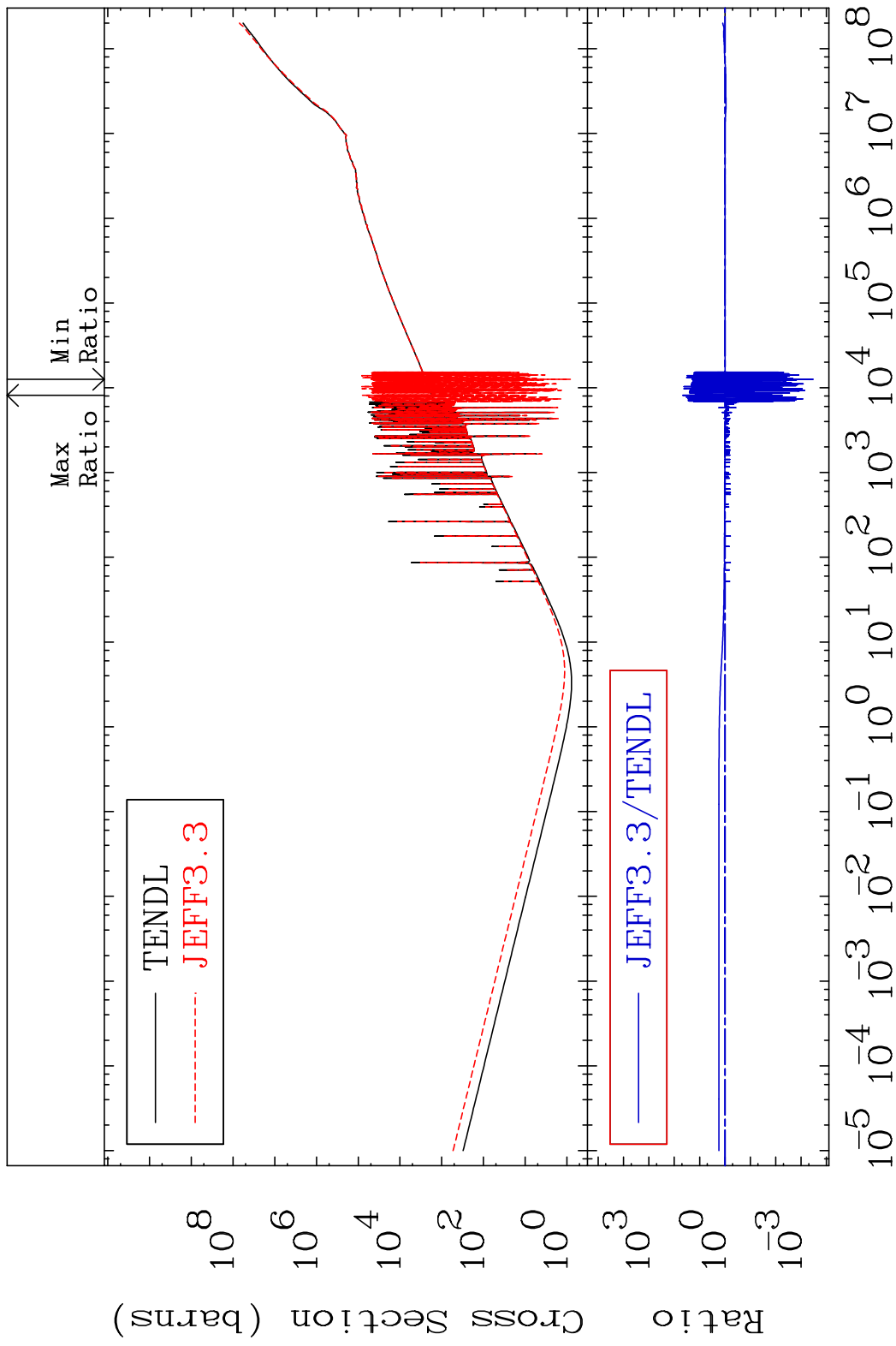
66 Incident Energy (eV) 46-Pd-110

MAT 4649 Total photon (eV-barns) 46-Pd-110  
Cross Section -99.90 To 9999. %

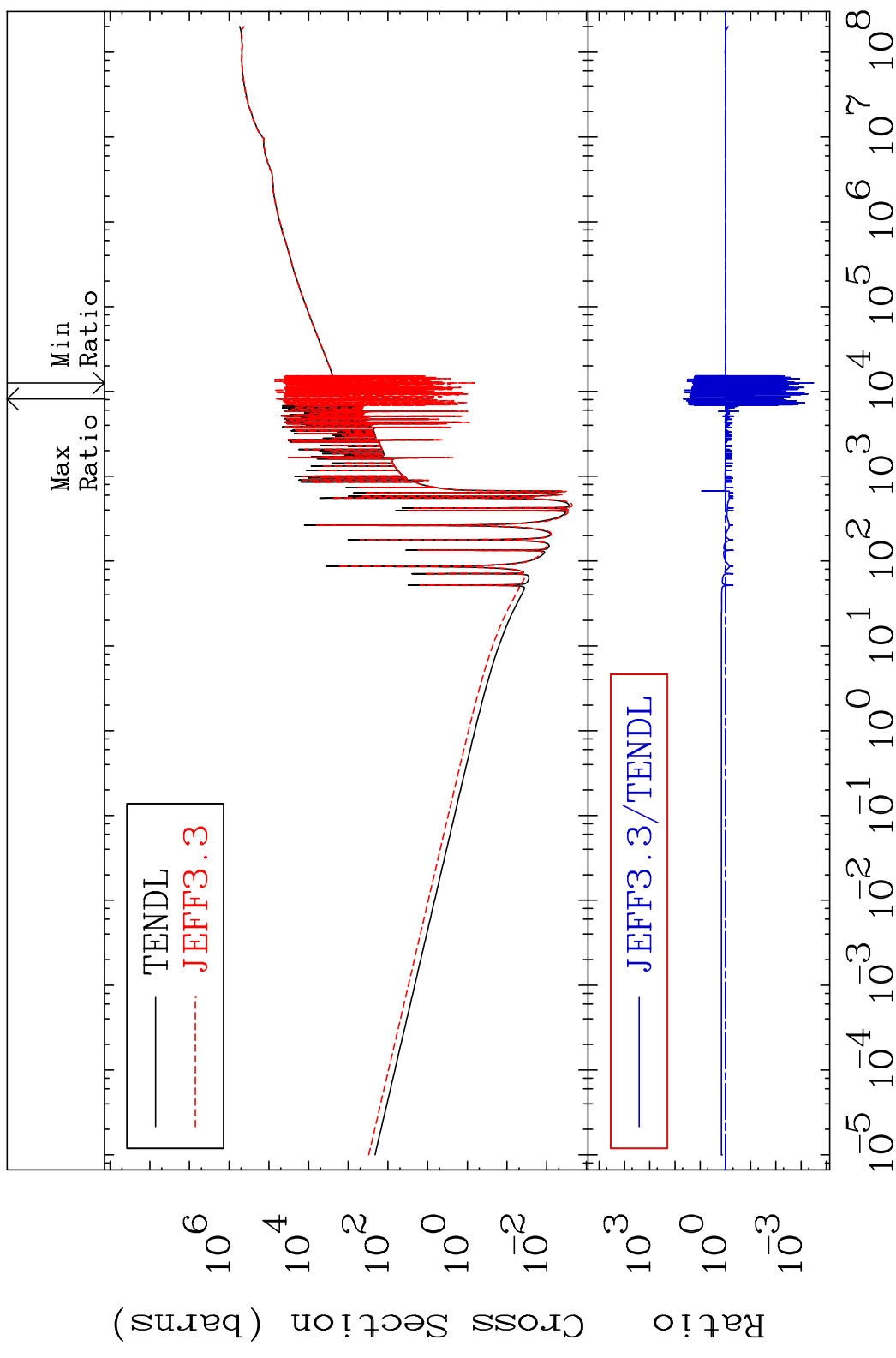


67 Incident Energy (eV) 46-Pd-110

MAT 4649 Total kinematic kerma (high limit) 46-Pd-110  
Cross Section -99.97 To 4511. %

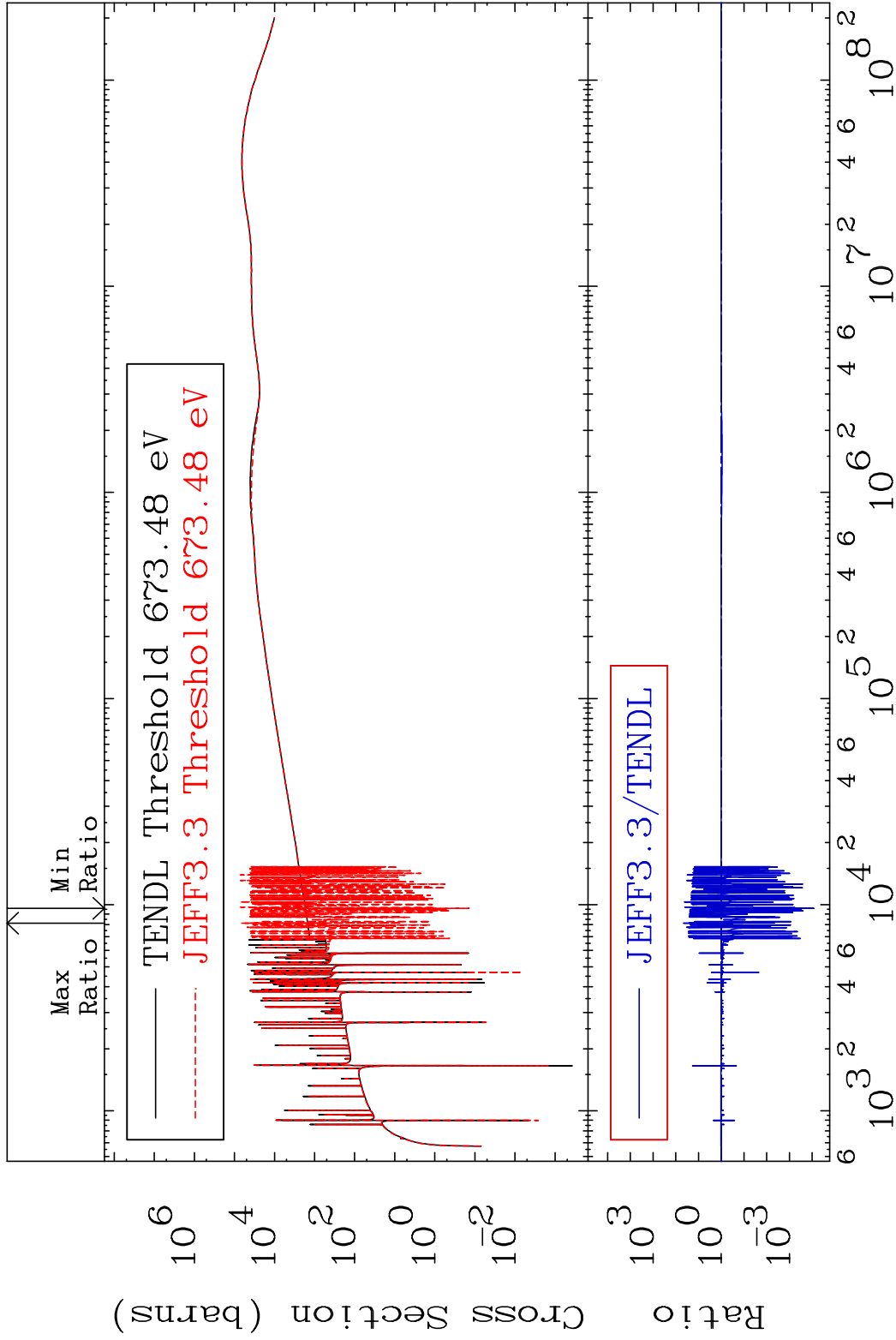


MAT 4649      Dpa total (eV-barns)      46-Pd-110  
 Cross Section      -99.97 To 4499. %



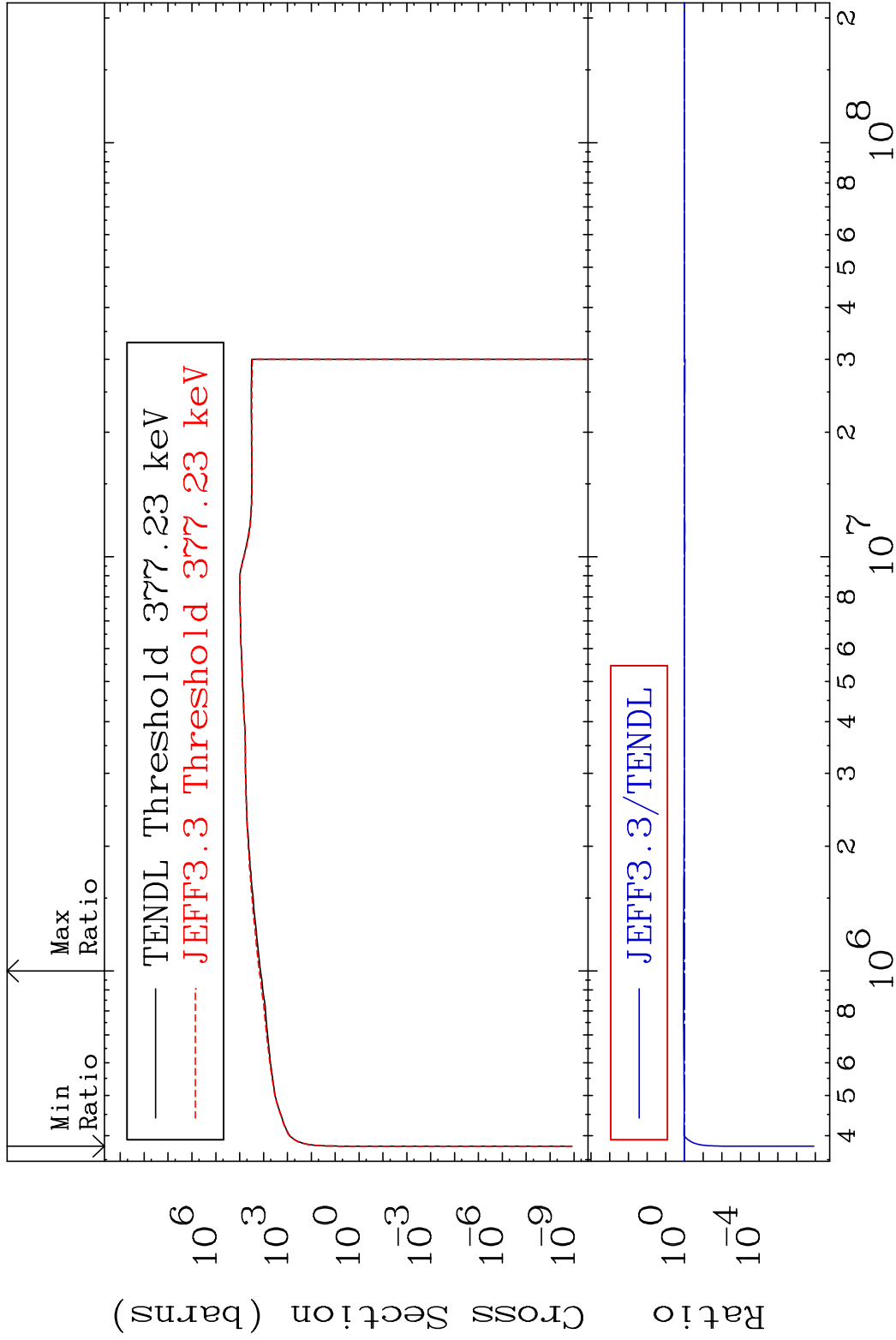
69      Incident Energy (eV)      46-Pd-110

MAT 4649      Dpa elastic (mt2)      46-Pd-110  
 Cross Section      -99.99 To 4486. %



70      Incident Energy (eV)      46-Pd-110

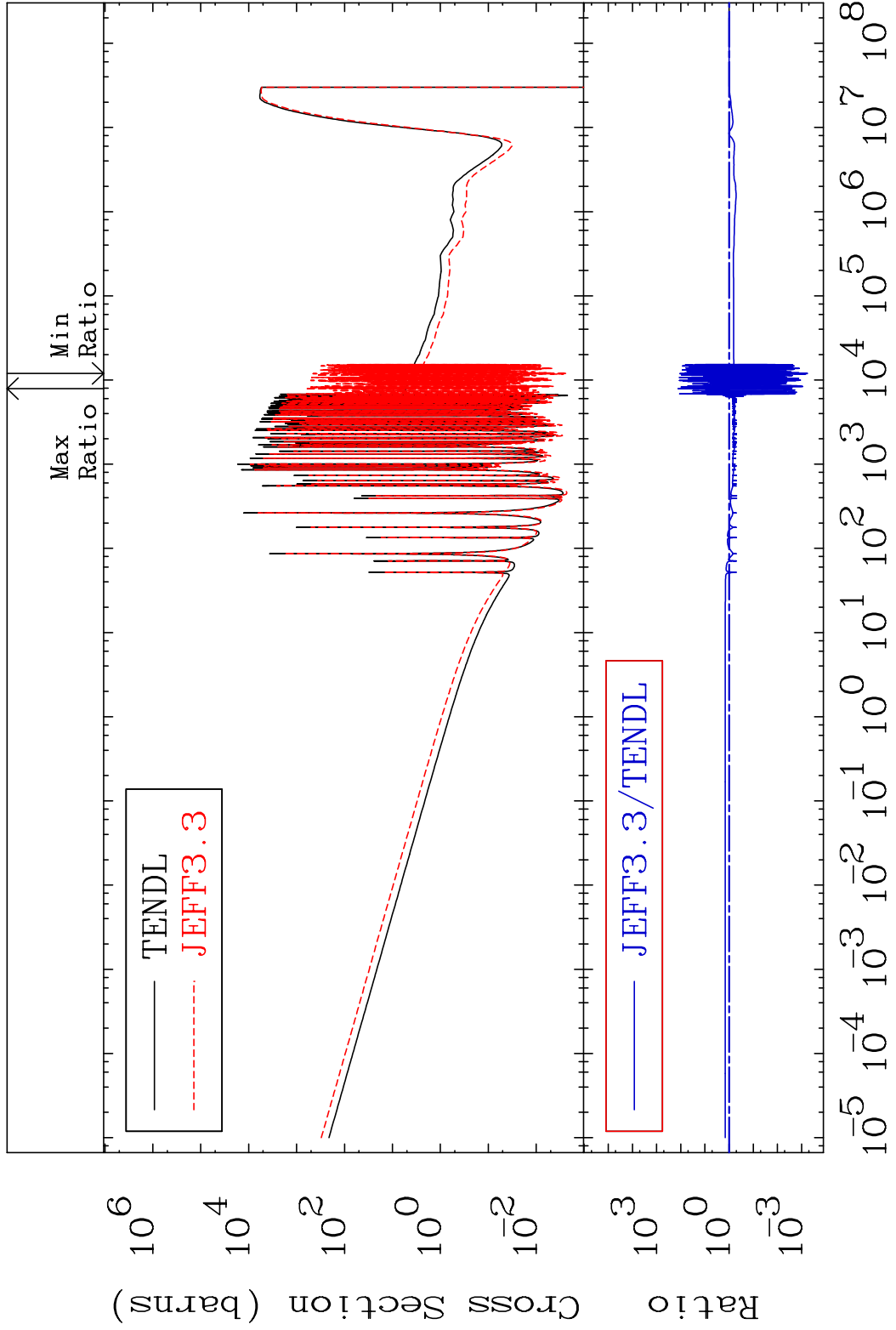
MAT 4649 Dpa inelastic (mt51-91) 46-Pd-110  
 Cross Section -100.0 To 12.93 %



71 Incident Energy (eV) 46-Pd-110

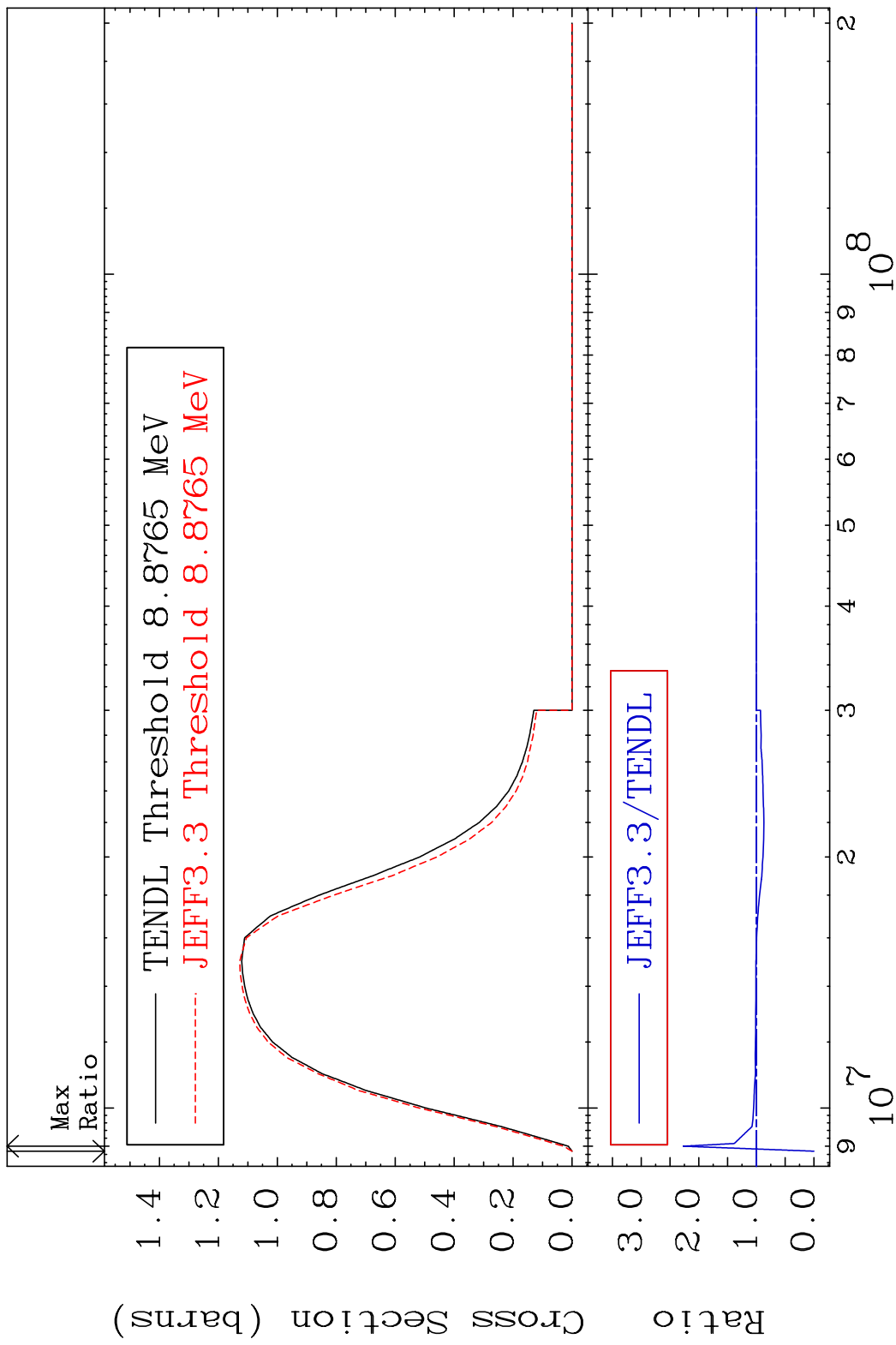


MAT 4649 Dpa disappearance (mt102 -120) 46-Pd-110  
 Cross Section -99.94 To 9999. %



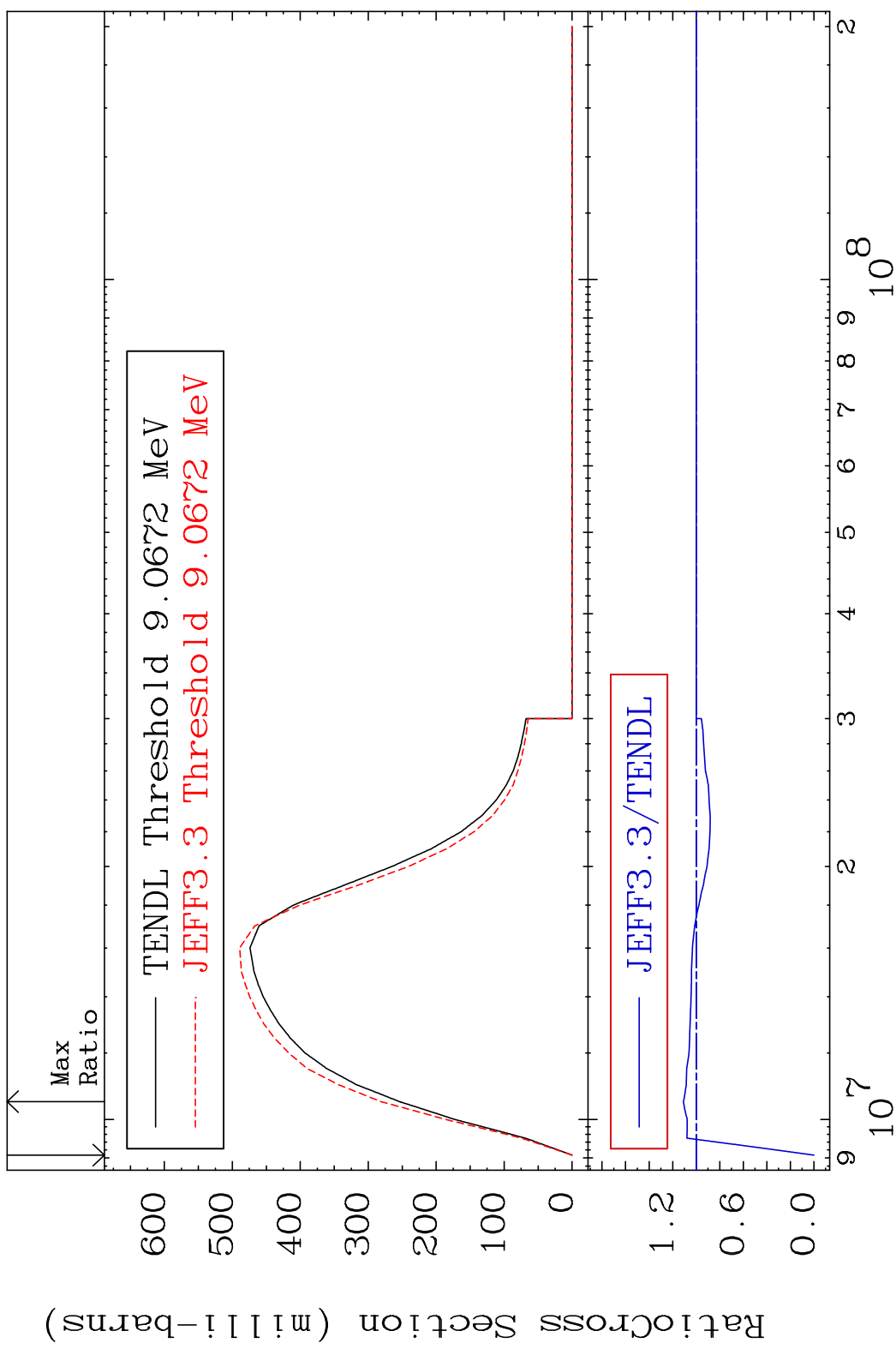
72 Incident Energy (eV) 46-Pd-110

MAT 4649 (n,2n): 46-Pd-109g 46-Pd-110  
 Radionuclide Production Cross Section 180000 dpo 126.6 %

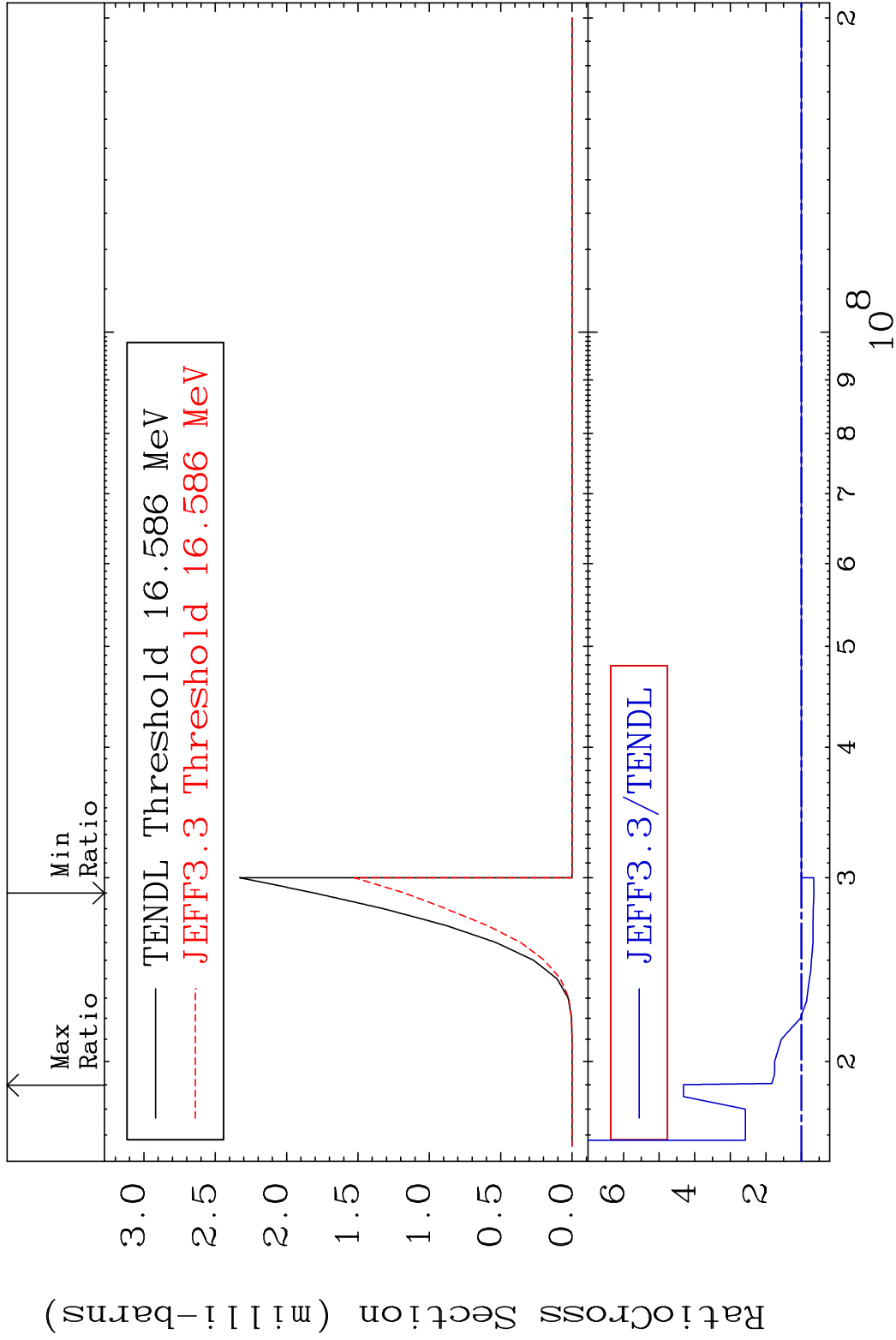


73 Incident Energy (eV) 46-Pd-110

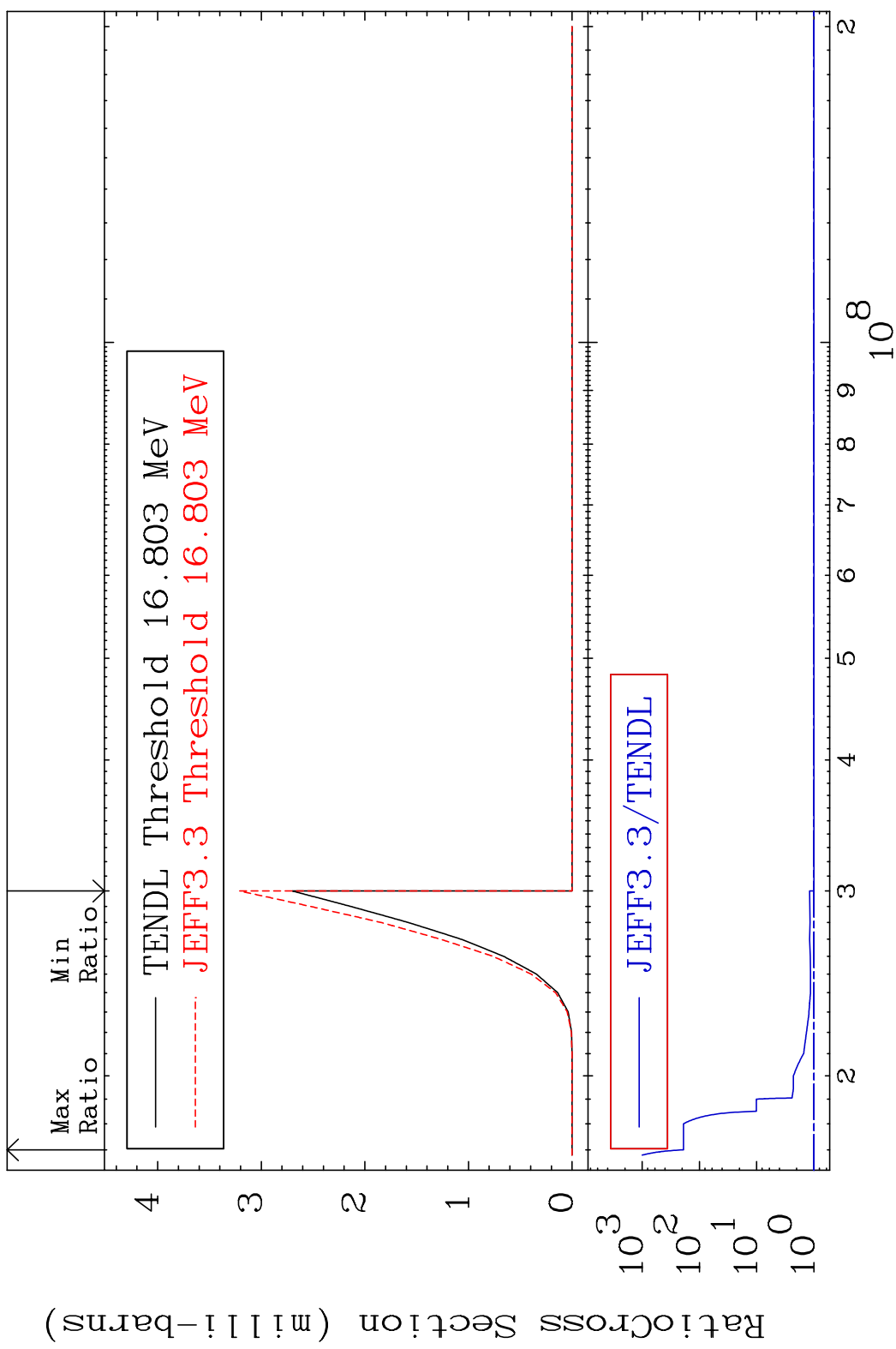
MAT 4649 (n, 2n): 46-Pd-109m2 46-Pd-110  
 Radionuclide Production Cross Section 100.00 dth 10.82 %



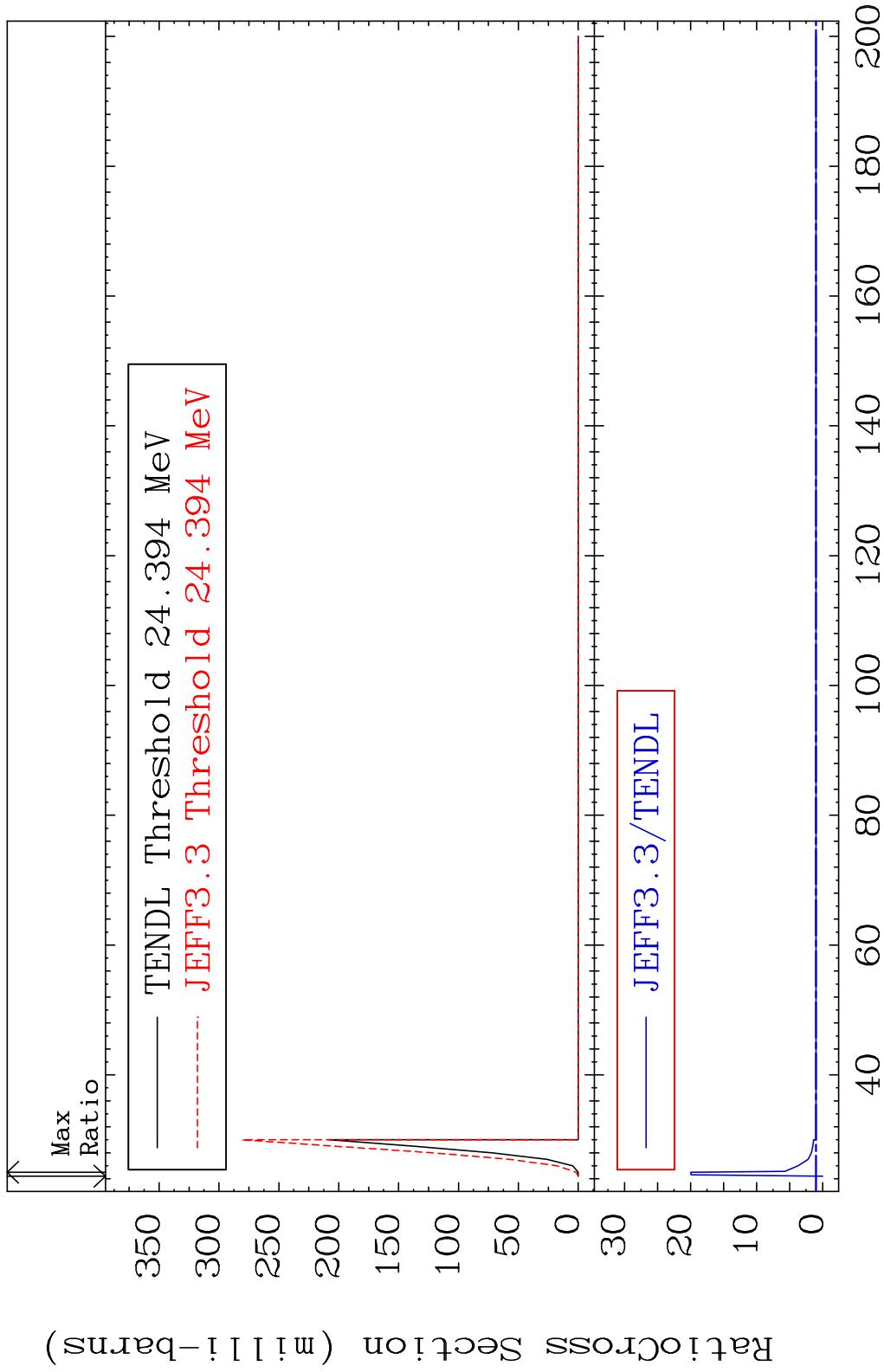
74 Incident Energy (eV) 46-Pd-110



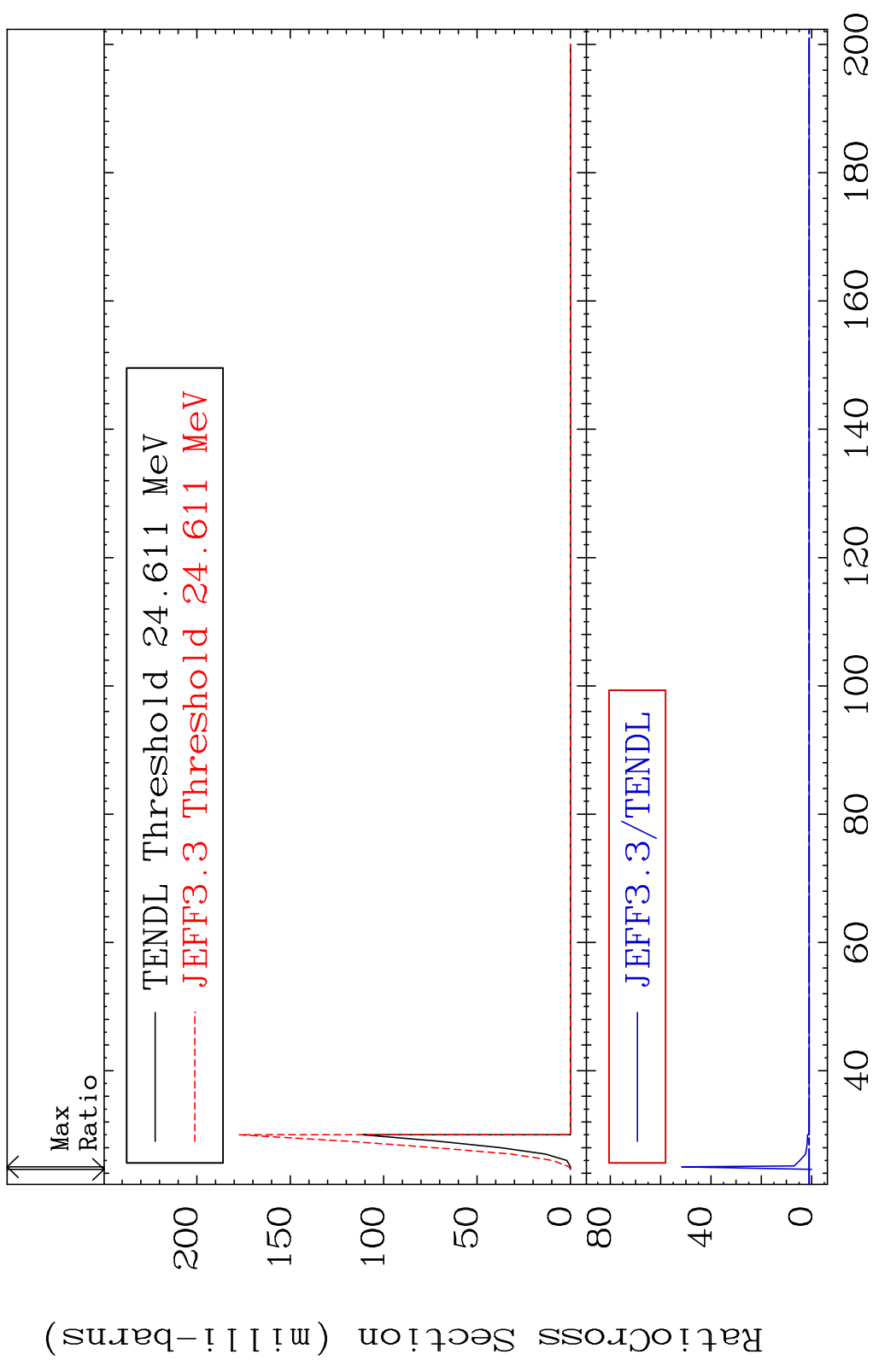
MAT 4649 (n, n') d:45-Rh-108m4 46-Pd-110  
 Radionuclide Production Cross Section 9999. %



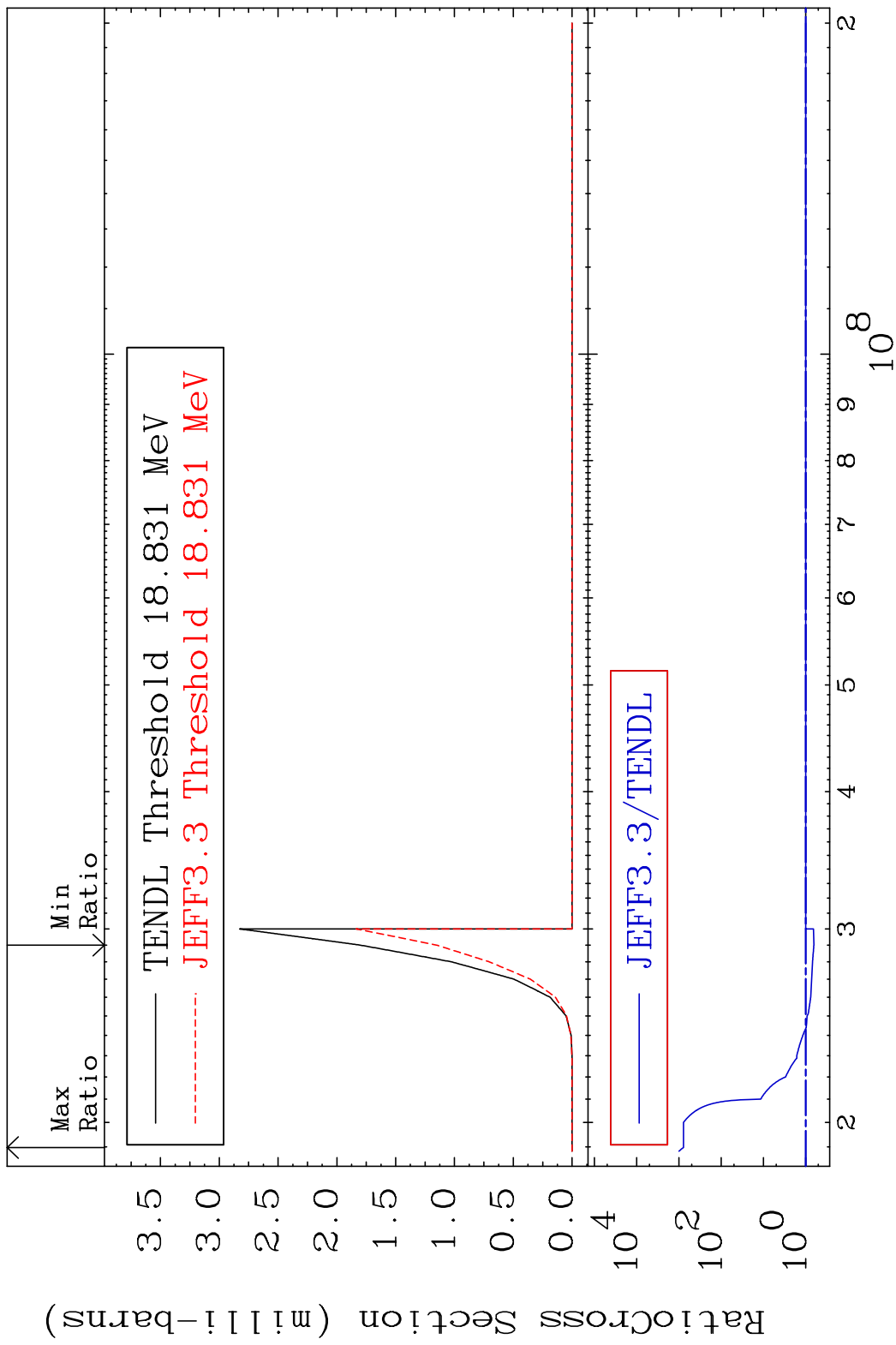
MAT 4649 (n, 4n) : 46-Pd-107g 46-Pd-110  
 Radionuclide Production Cross Section 1896.1896 %



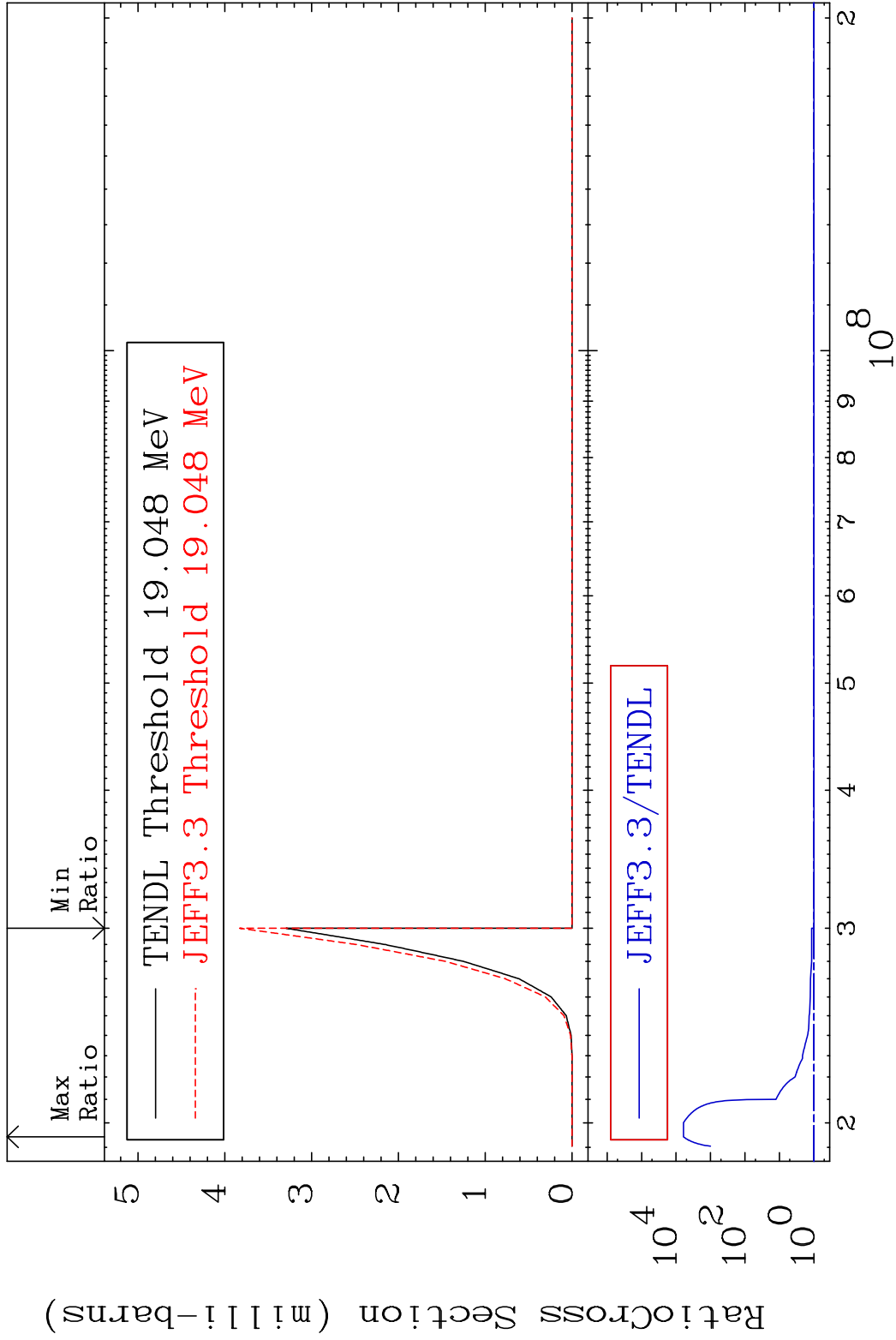
MAT 4649 (n, 4n): 46-Pd-107m2 46-Pd-110  
 Radionuclide Production Cross Section to 5069. %



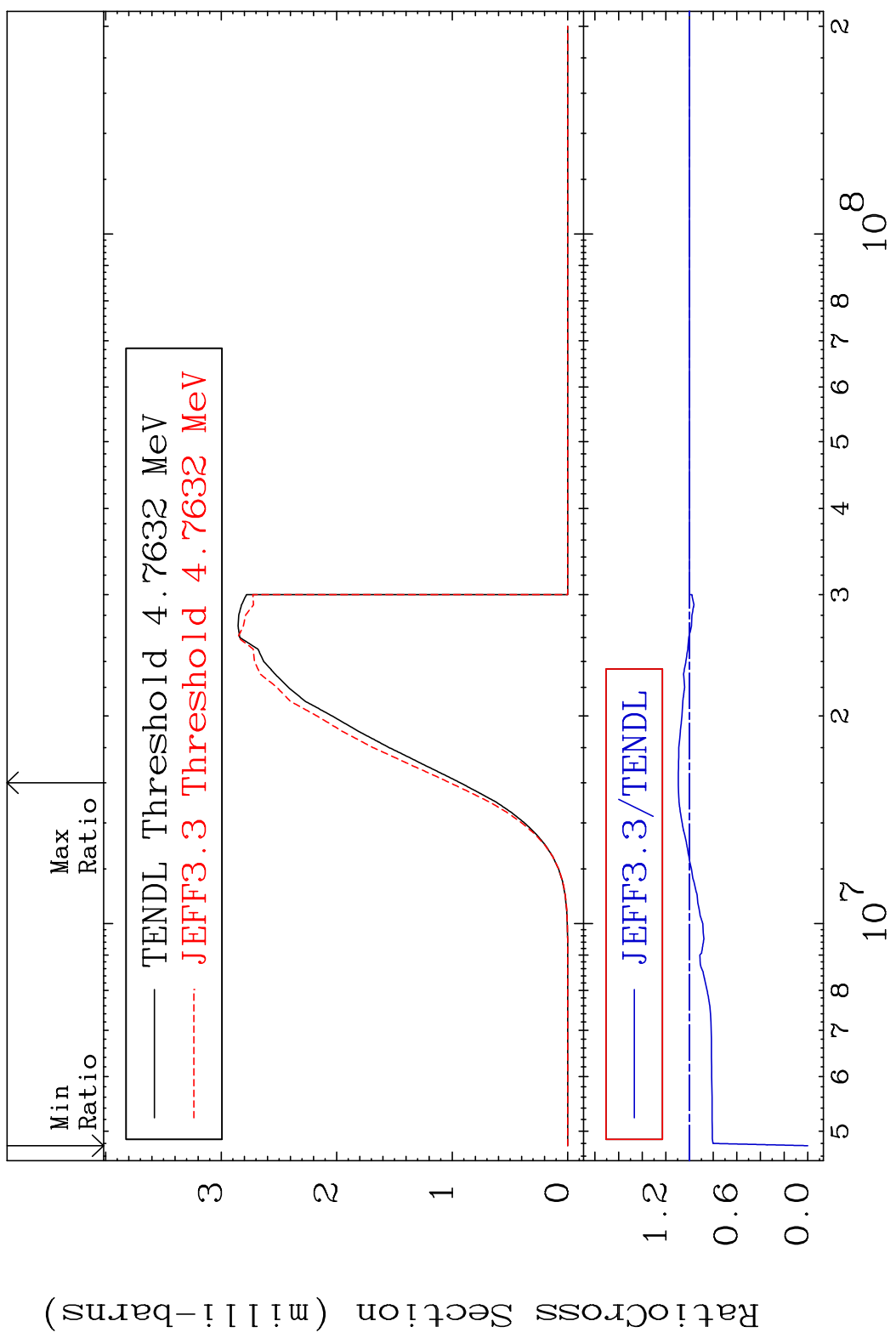
78 46-Pd-110



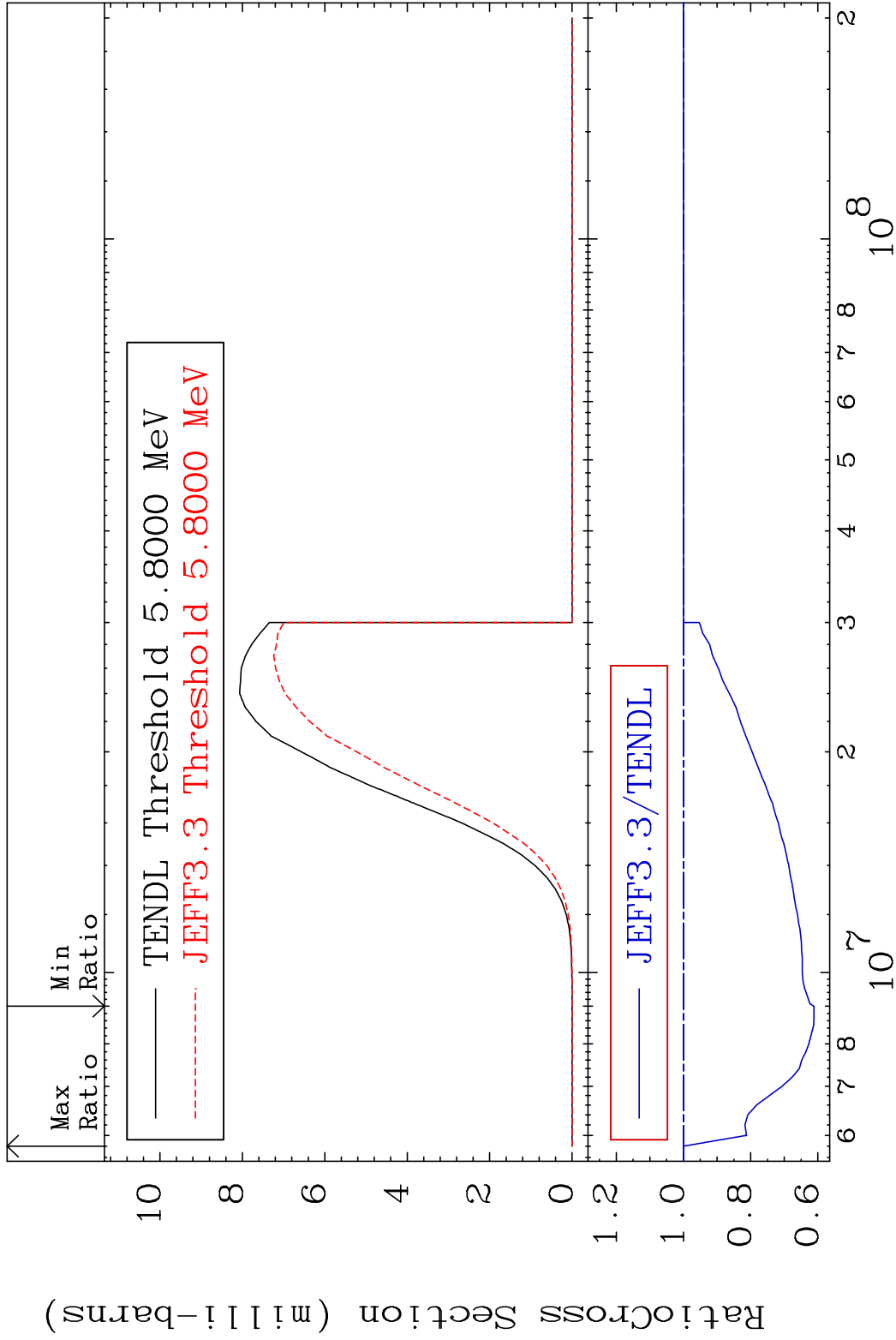




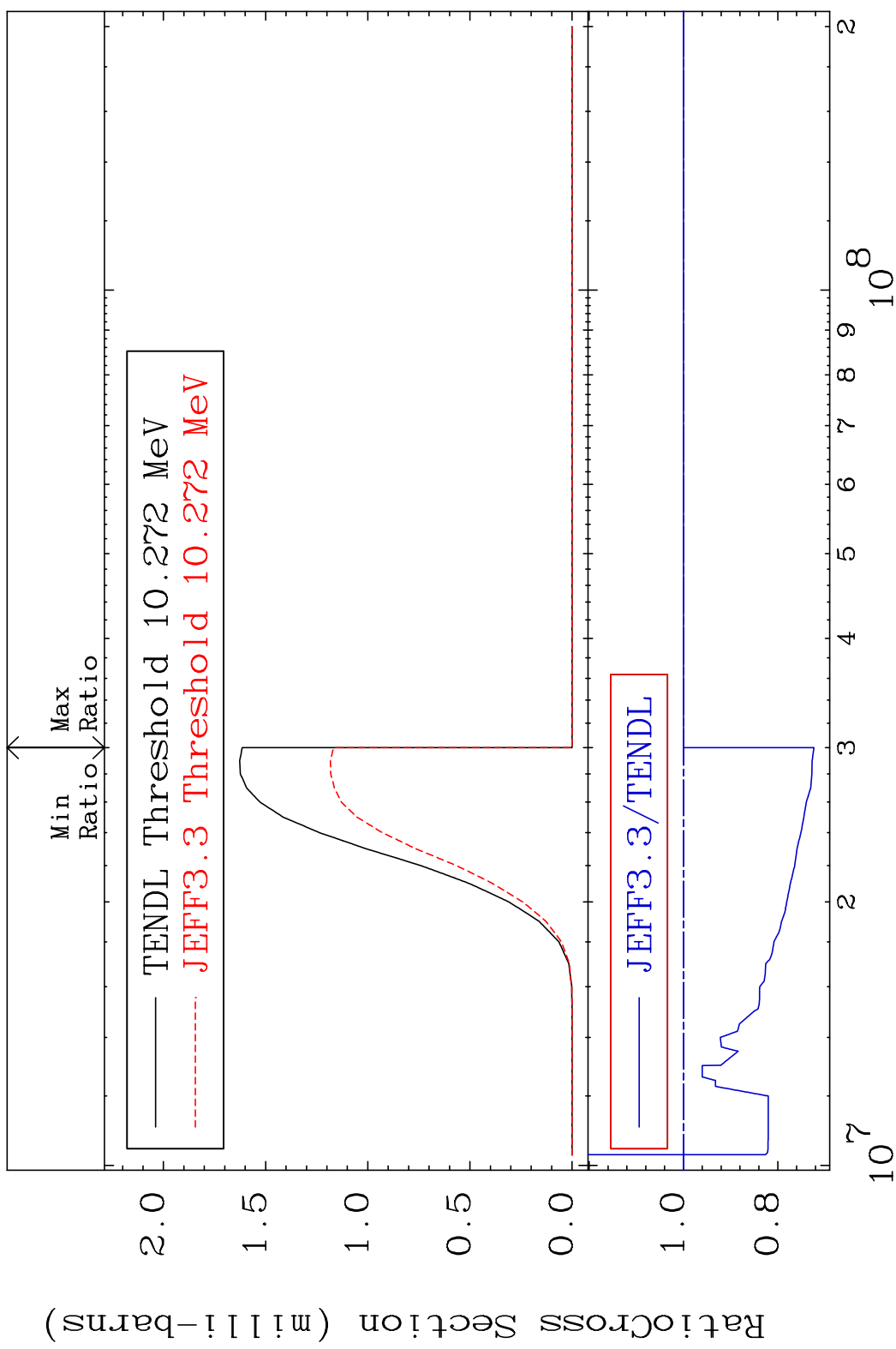
MAT 4649 (n, p): 45-Rh-110 46-Pd-110  
 Radionuclide Production Cross Section to 9.507 %



MAT 4649 (n, p): 45-Rh-110m6 46-Pd-110  
 Radionuclide Production Cross Section 0.000 %



MAT 4649 (n, t): 45-Rh-108g 46-Pd-110  
 Radionuclide Production Cross Section 0.000 %



MAT 4649 (n, t): 45-Rh-108m4 46-Pd-110  
 Radionuclide Production Cross Section 34.33 %

