

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

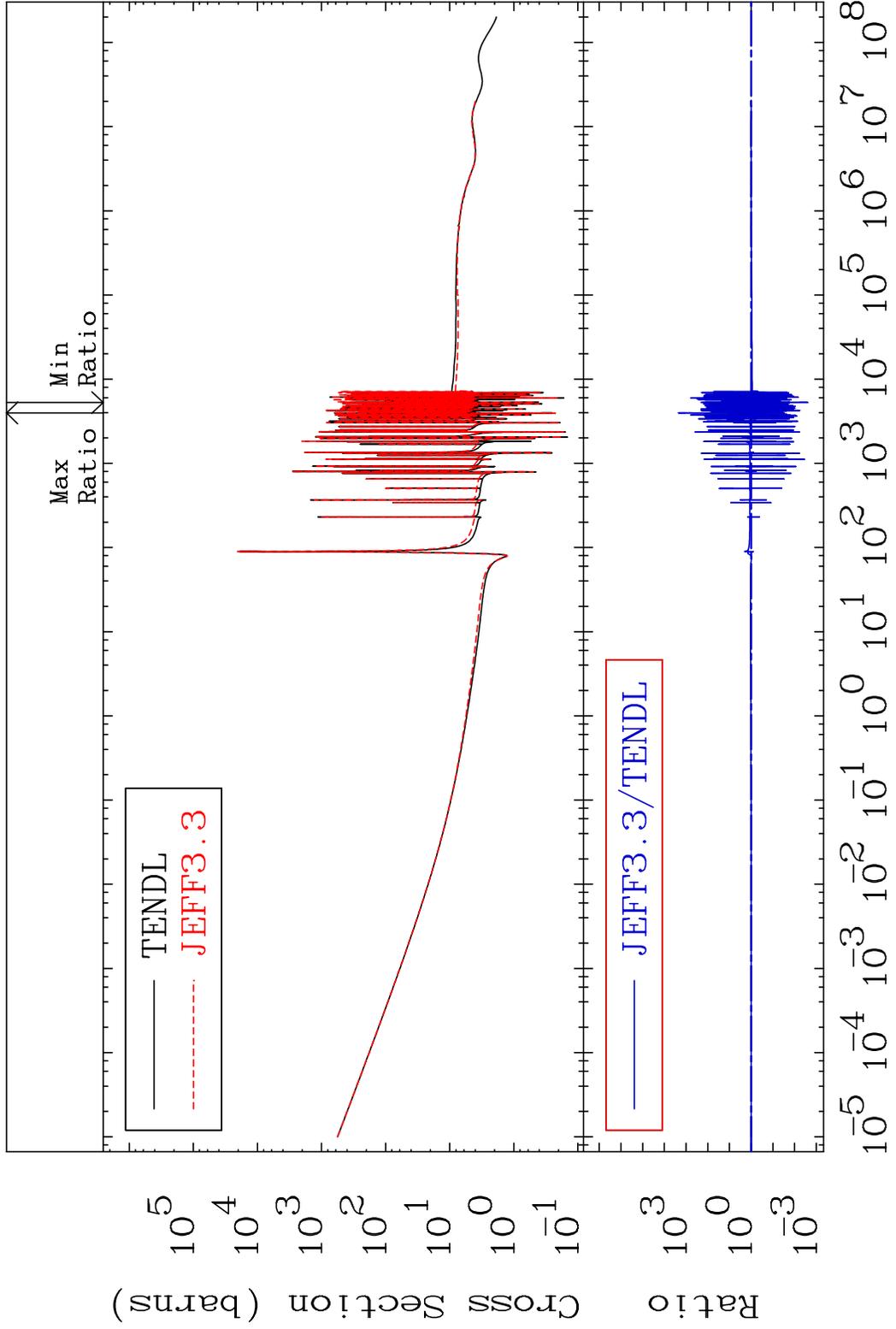
U.S.A.

Tele: 925-443-1911

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

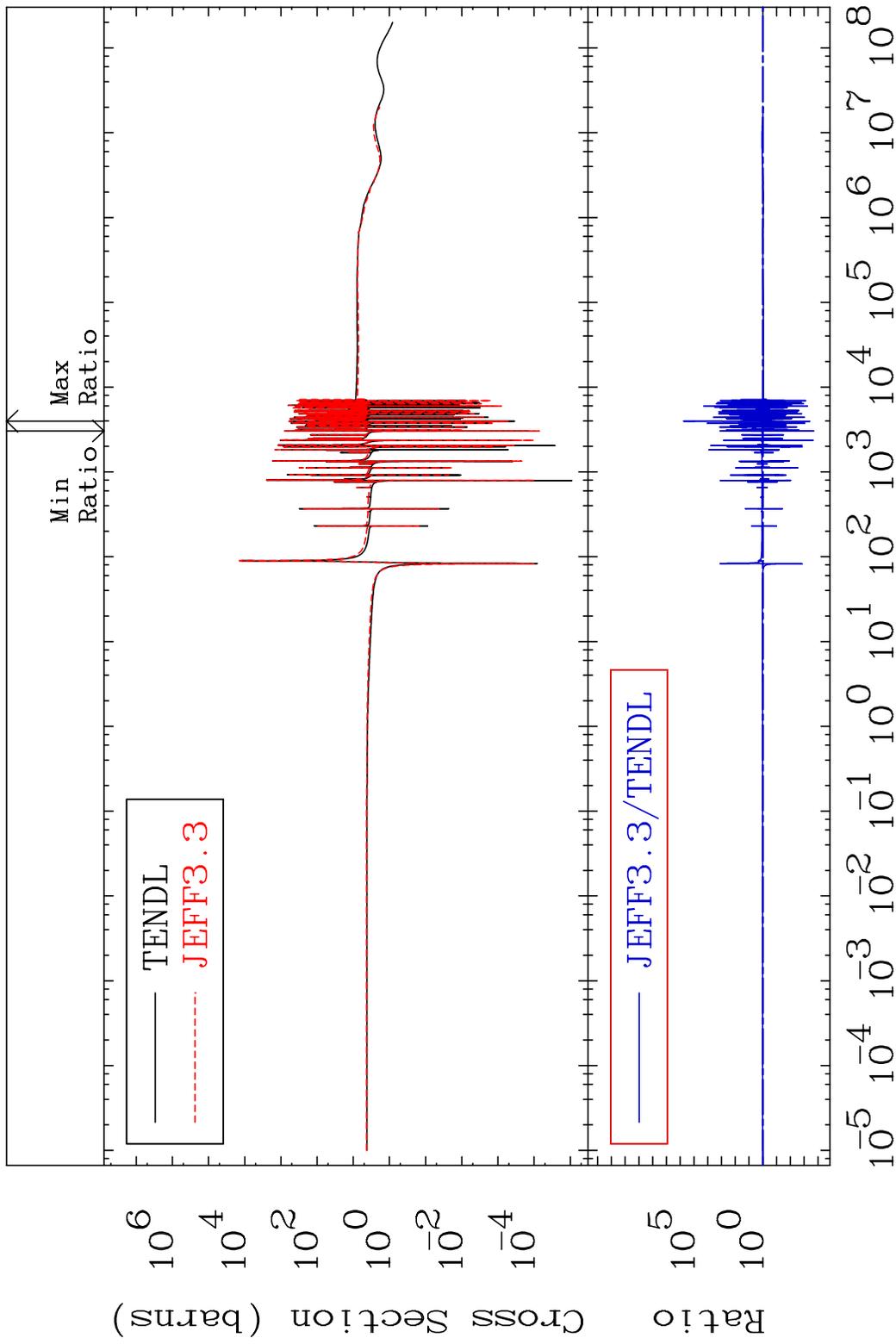
Press Mouse Button to Start

MAT 4837 Total 48-Cd-110  
 Cross Section -99.76 To 9999. %



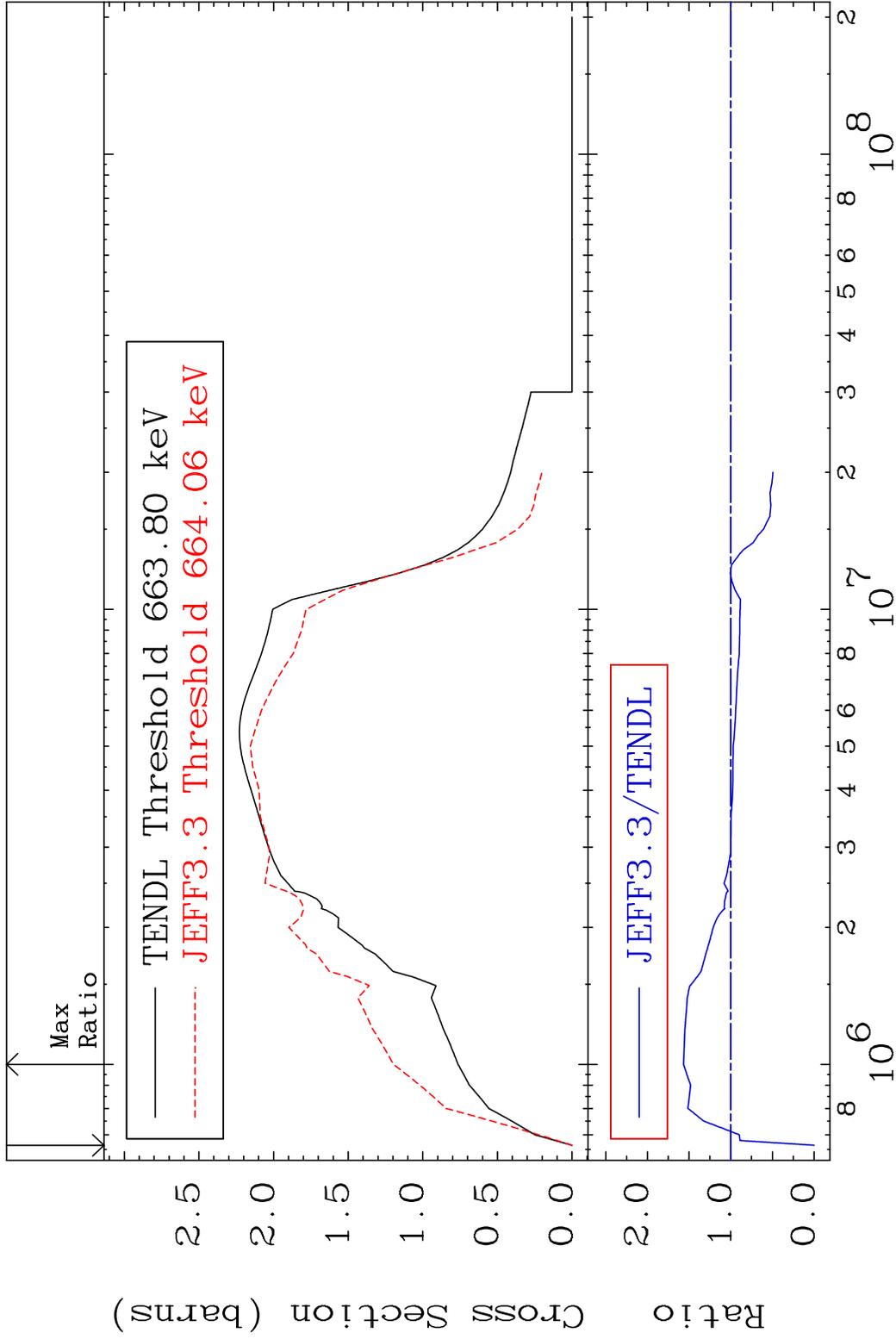
1 Incident Energy (eV) 48-Cd-110

MAT 4837 Elastic Cross Section -99.98 To 9999. % 48-Cd-110



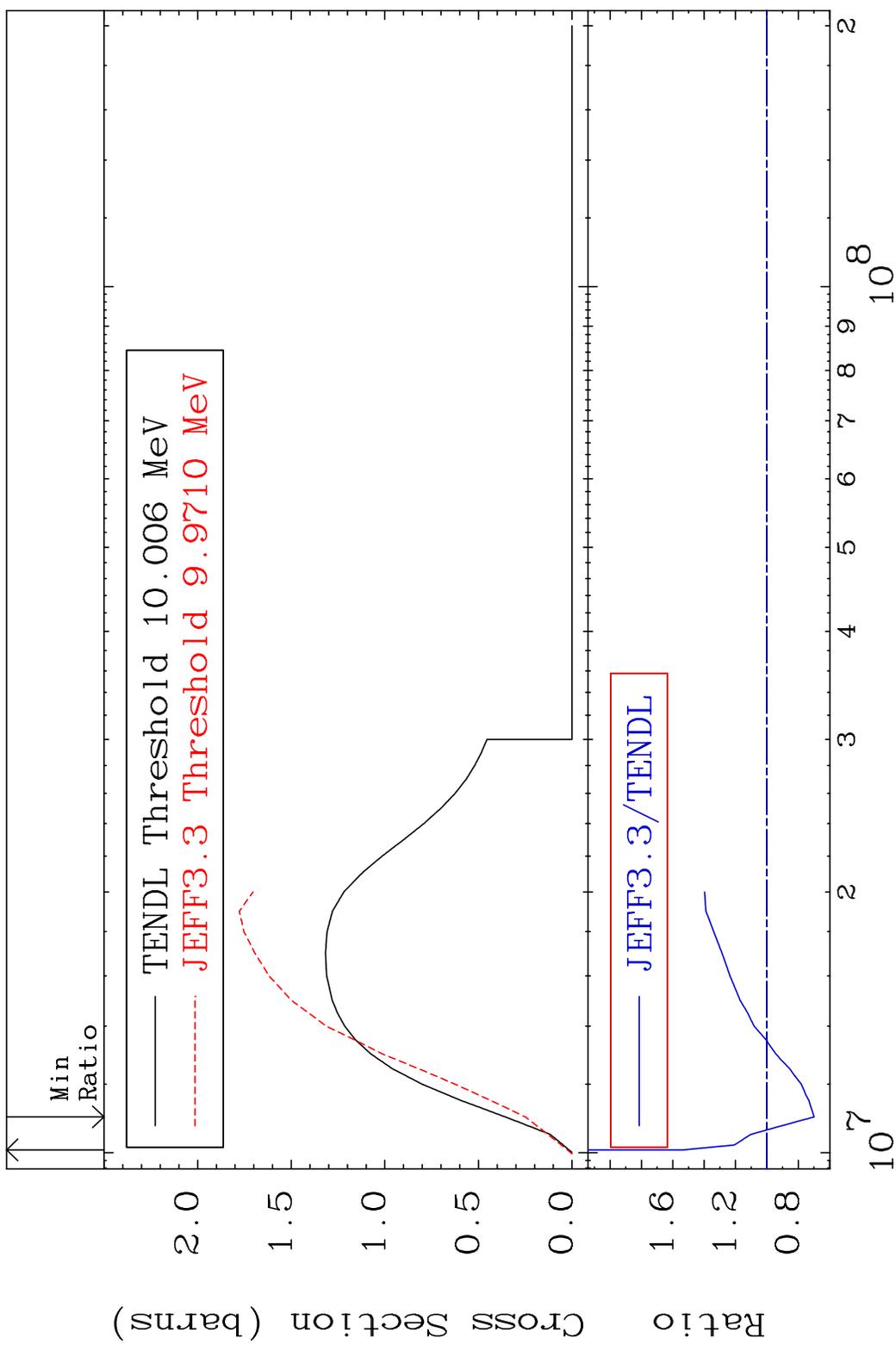
2 Incident Energy (eV) 48-Cd-110

MAT 4837 Inelastic 48-Cd-110  
 Cross Section -100.0 To 56.66 %



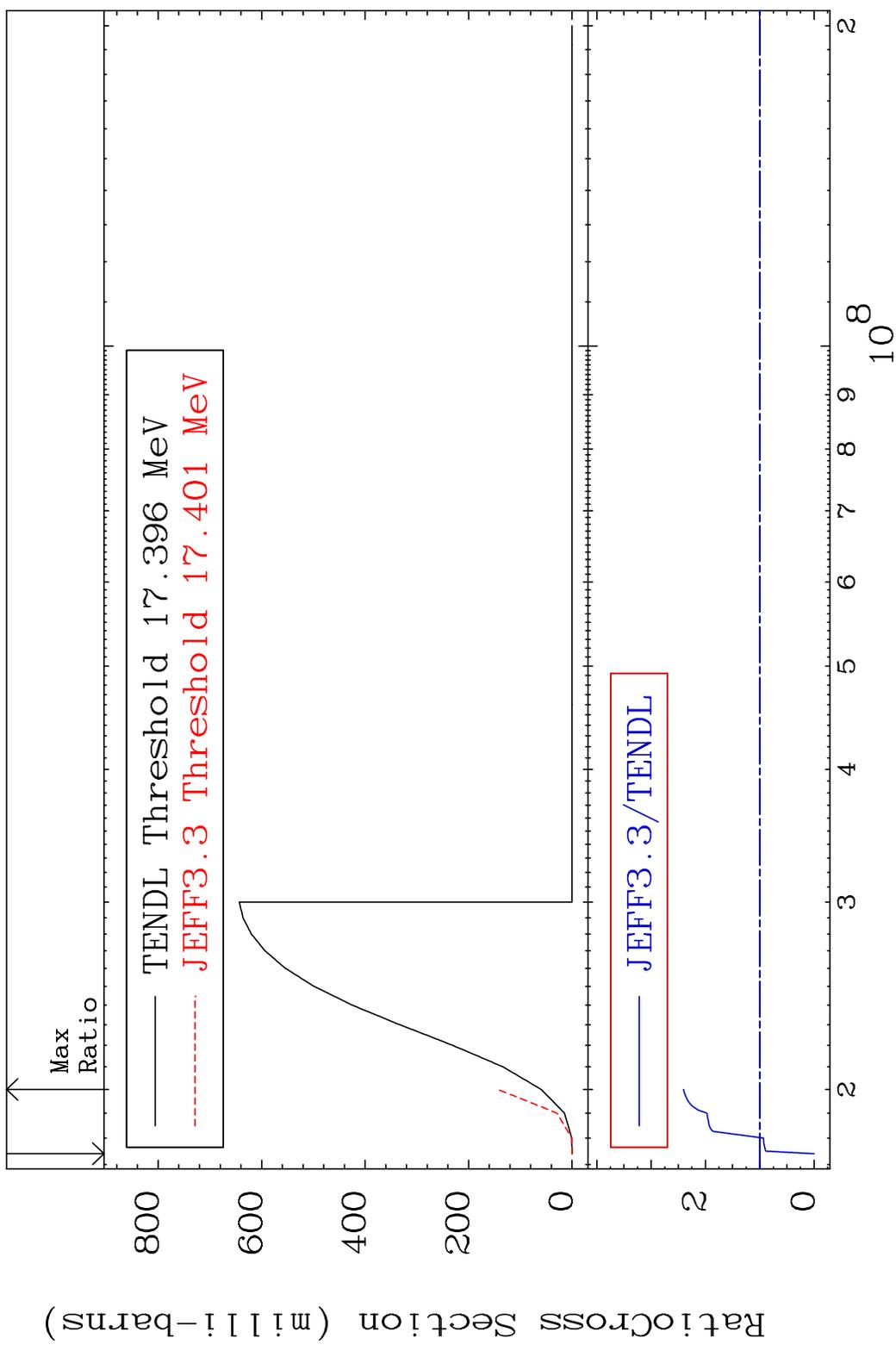
3 Incident Energy (eV) 48-Cd-110

MAT 4837 (n,2n) 48-Cd-110  
Cross Section -30.10 To 53.17 %



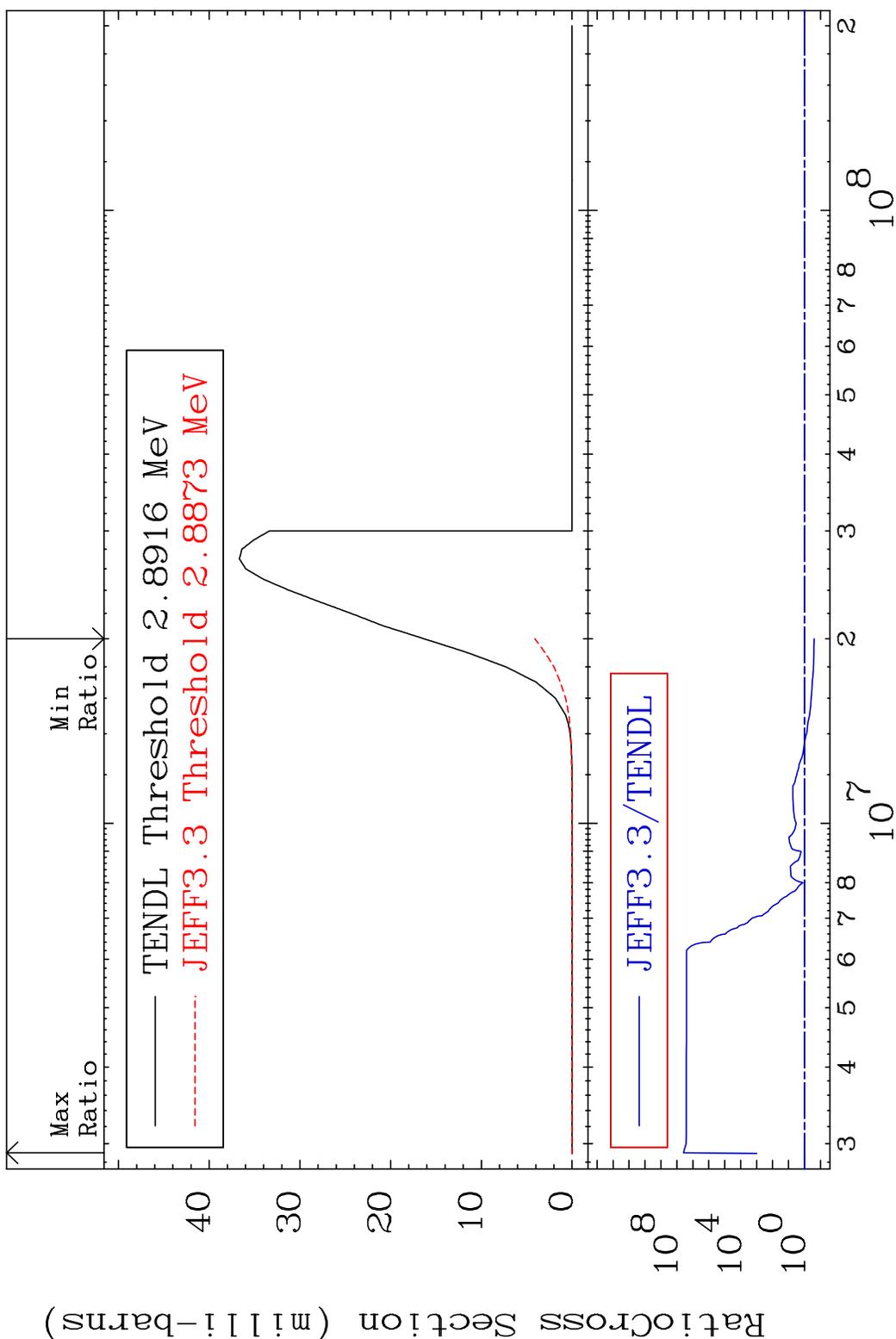
4 Incident Energy (eV) 48-Cd-110

MAT 4837 (n,3n) 48-Cd-110  
Cross Section -100.0 To 140.4 %

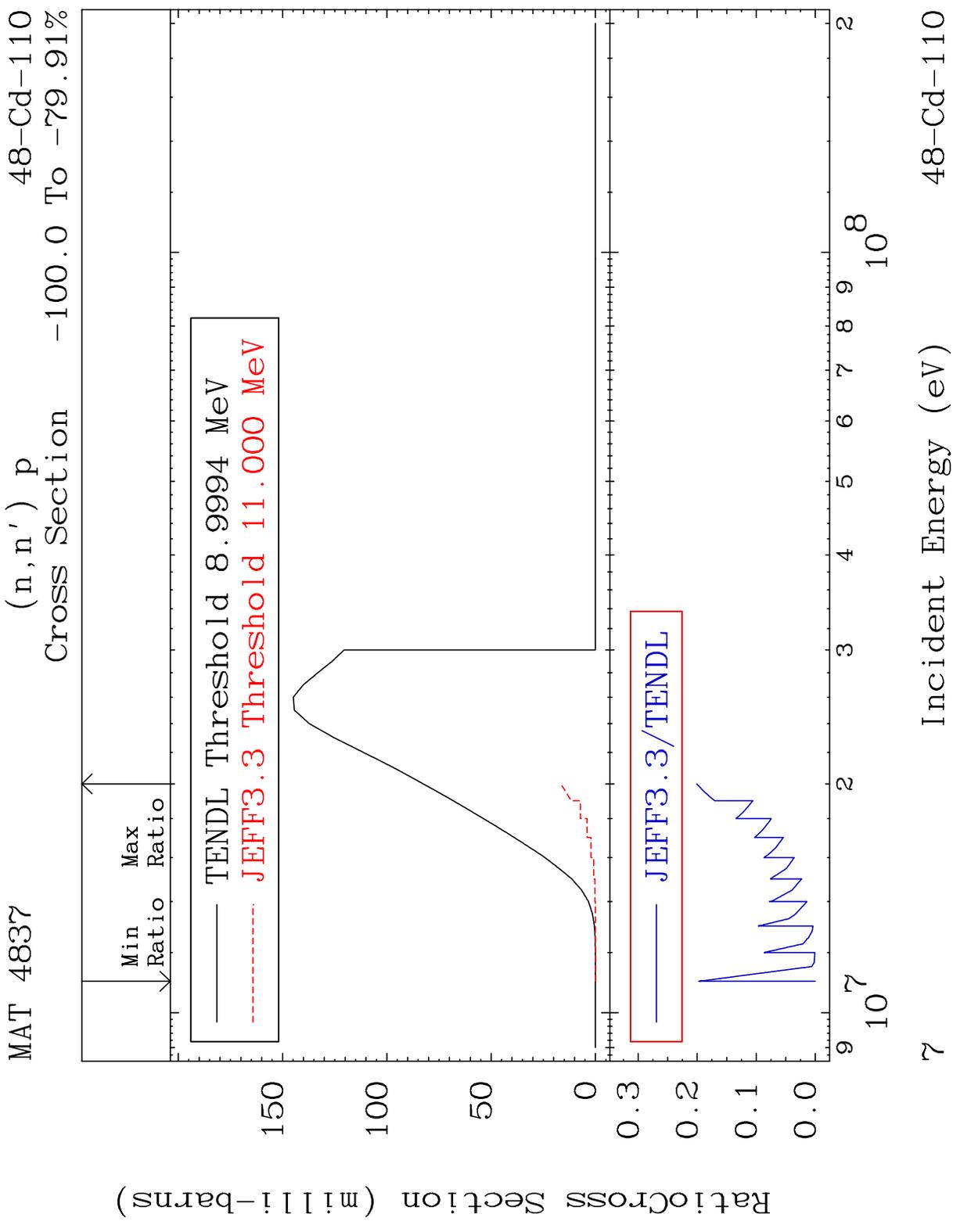


5 Incident Energy (eV) 48-Cd-110

MAT 4837 (n, n')  $\alpha$  48-Cd-110  
 Cross Section -74.89 To 9999. %

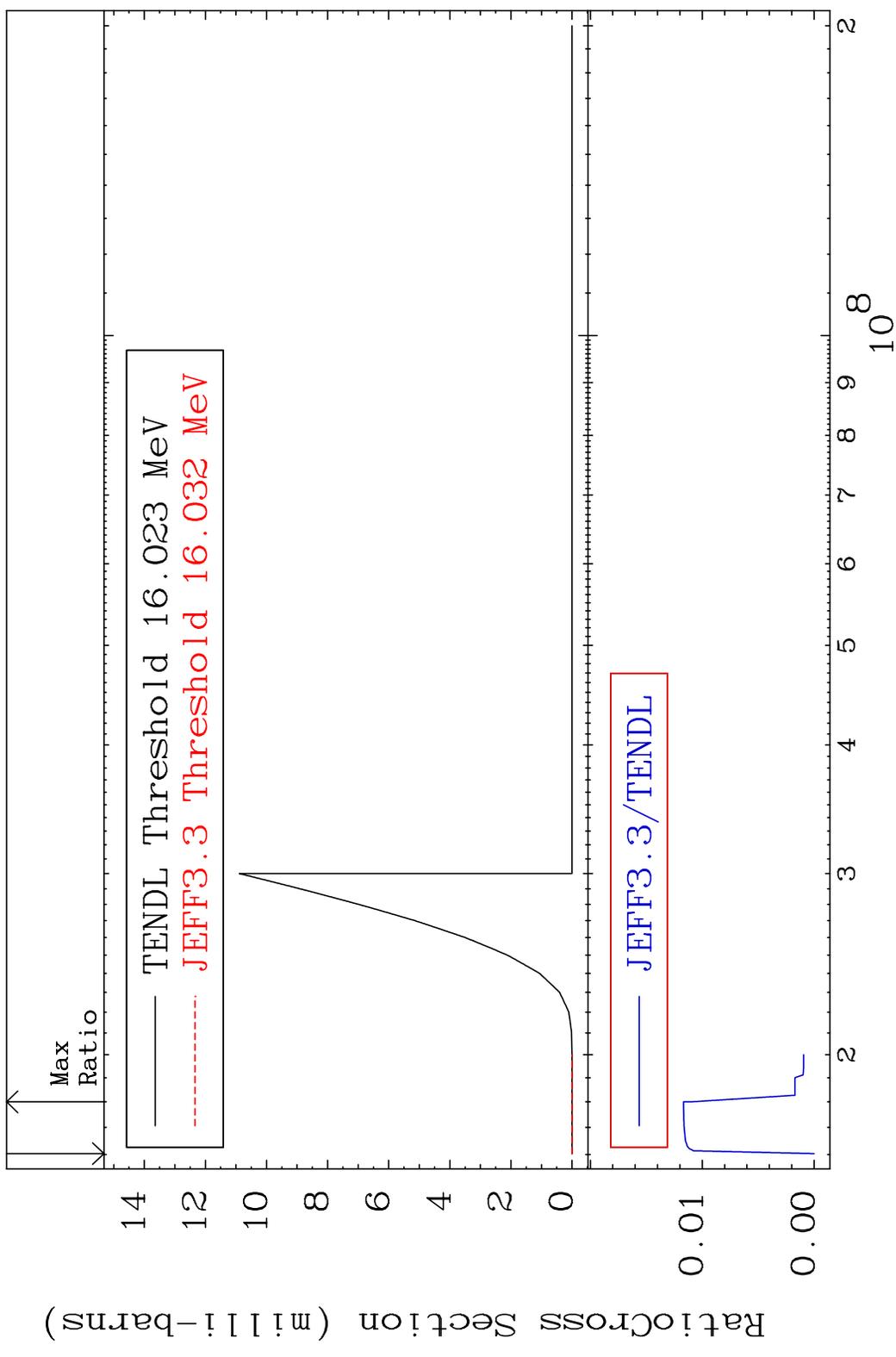


6 Incident Energy (eV) 48-Cd-110



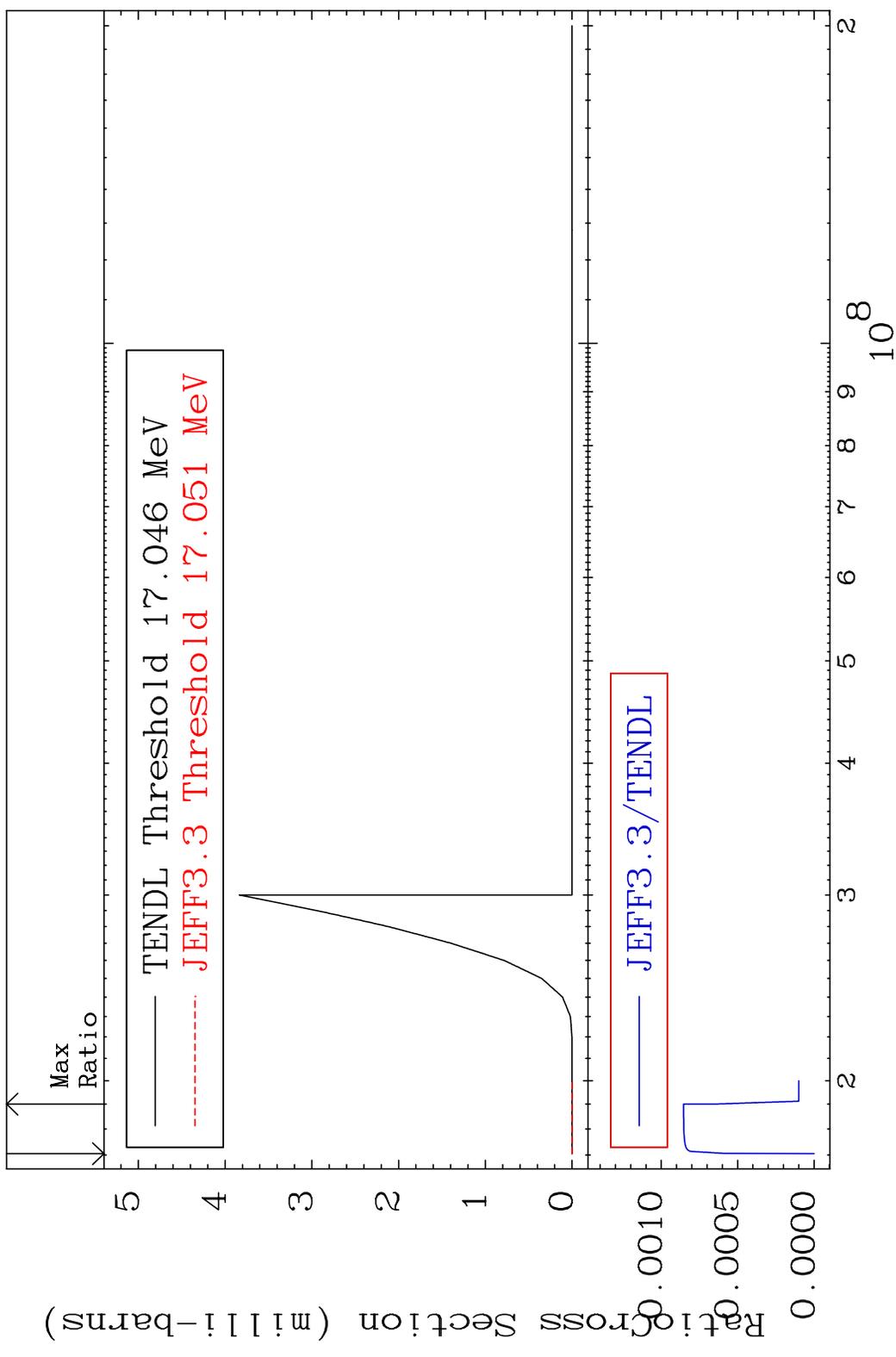
7 Incident Energy (eV) 48-Cd-110

MAT 4837 (n, n') d 48-Cd-110  
 Cross Section -100.0 To -98.83%

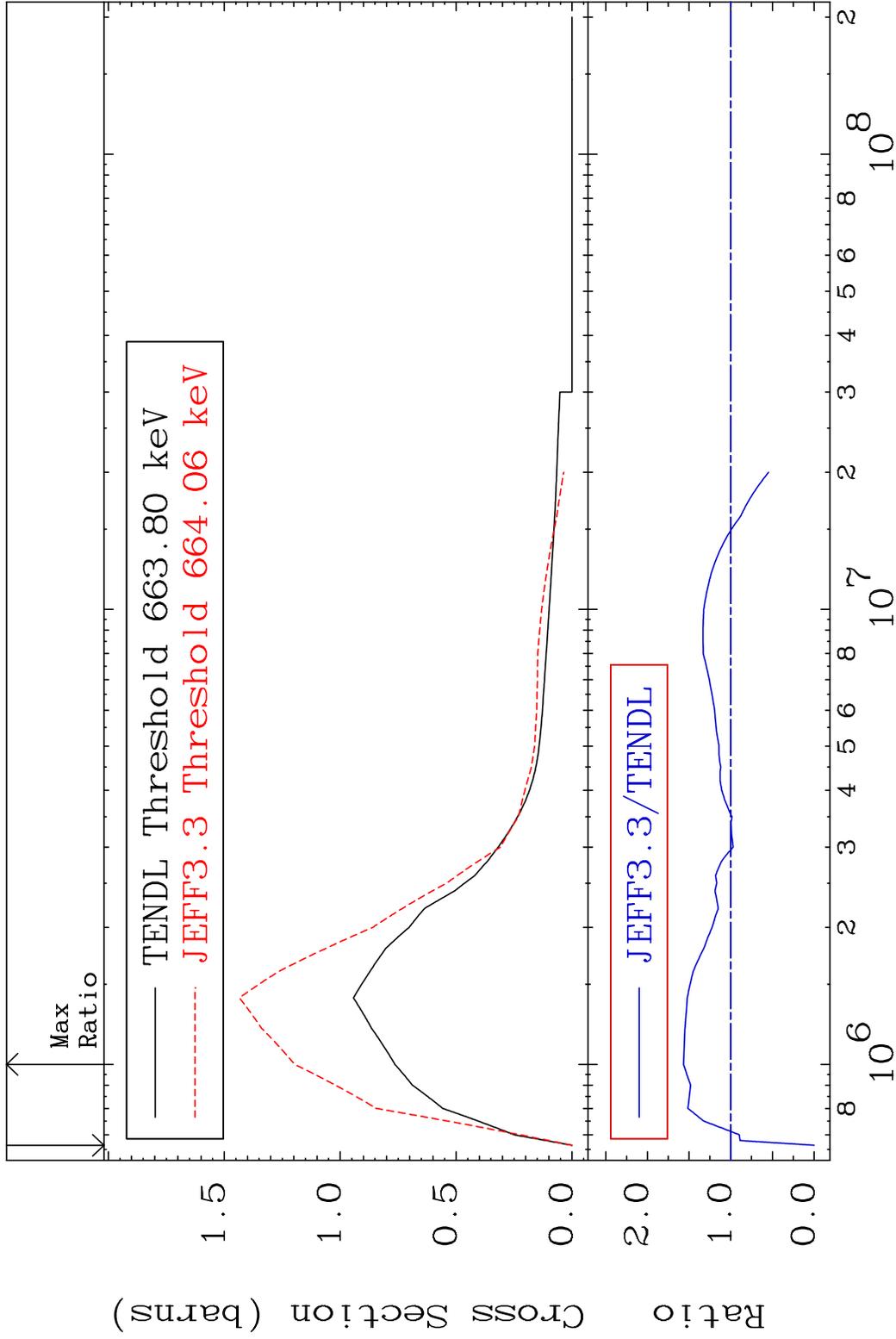


8 Incident Energy (eV) 48-Cd-110

MAT 4837 (n, n') t 48-Cd-110  
 Cross Section -100.0 To -99.91%

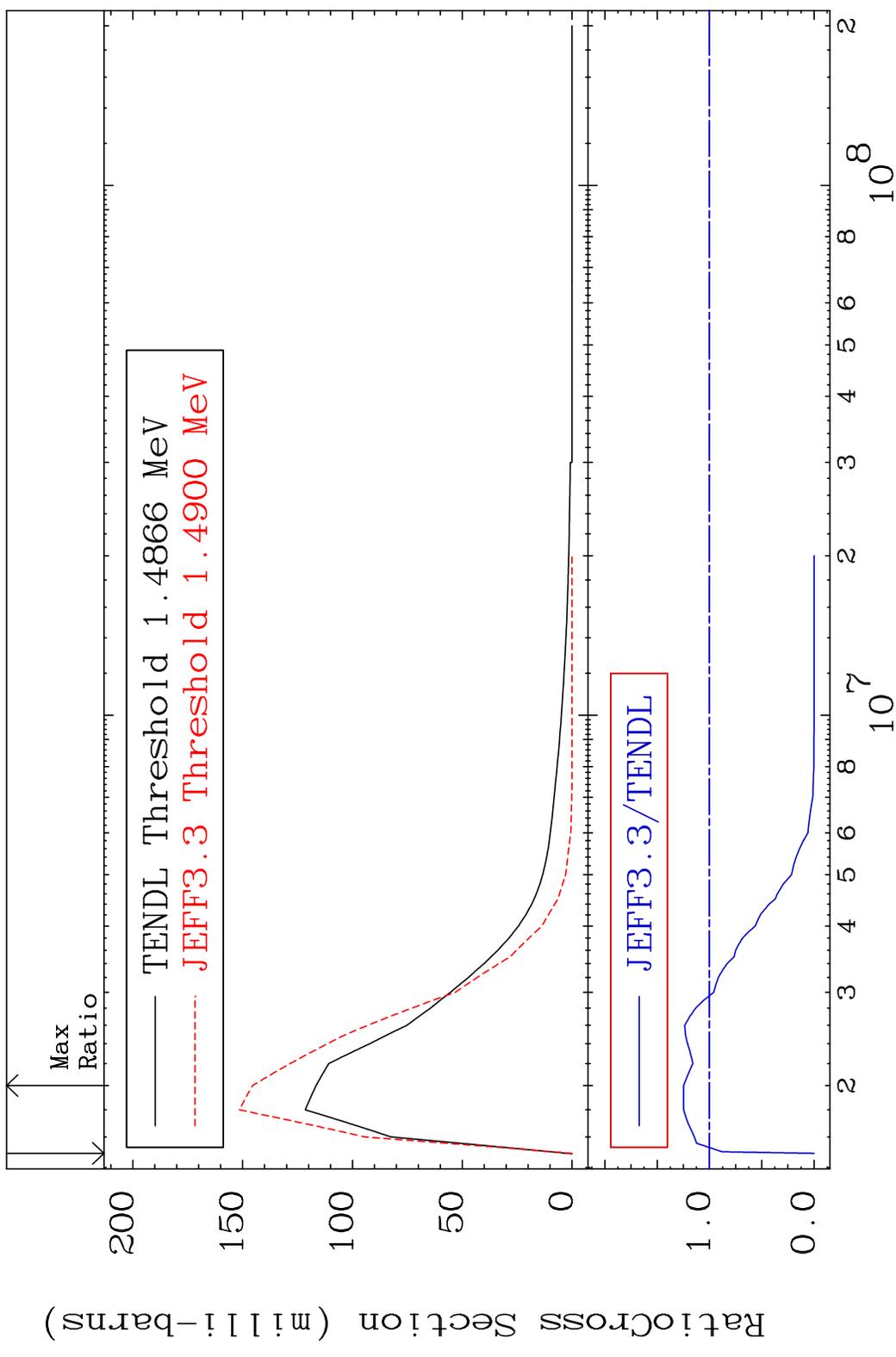


MAT 4837 MT= 51 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 56.66 %



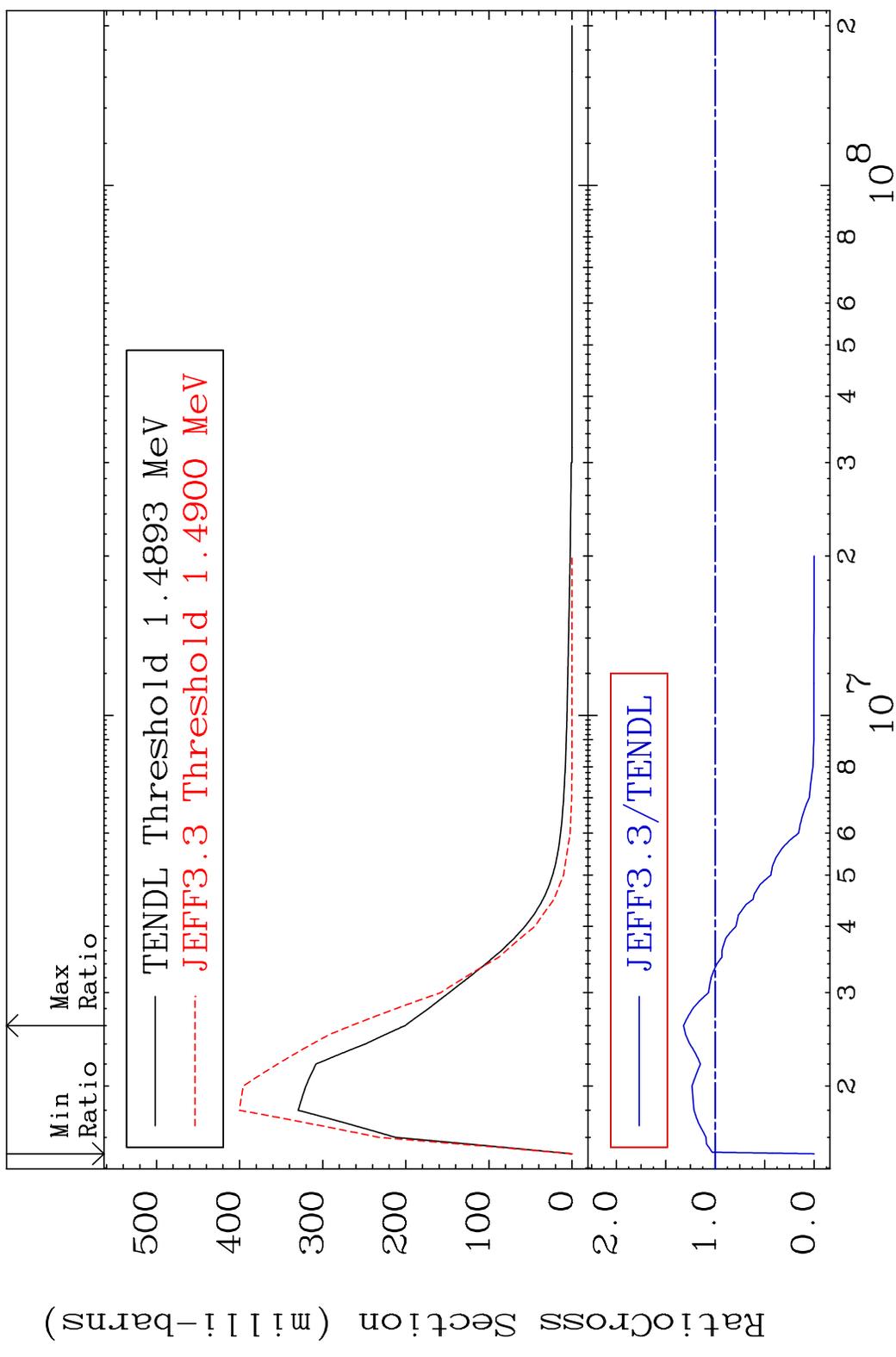
10 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 52 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 24.81 %



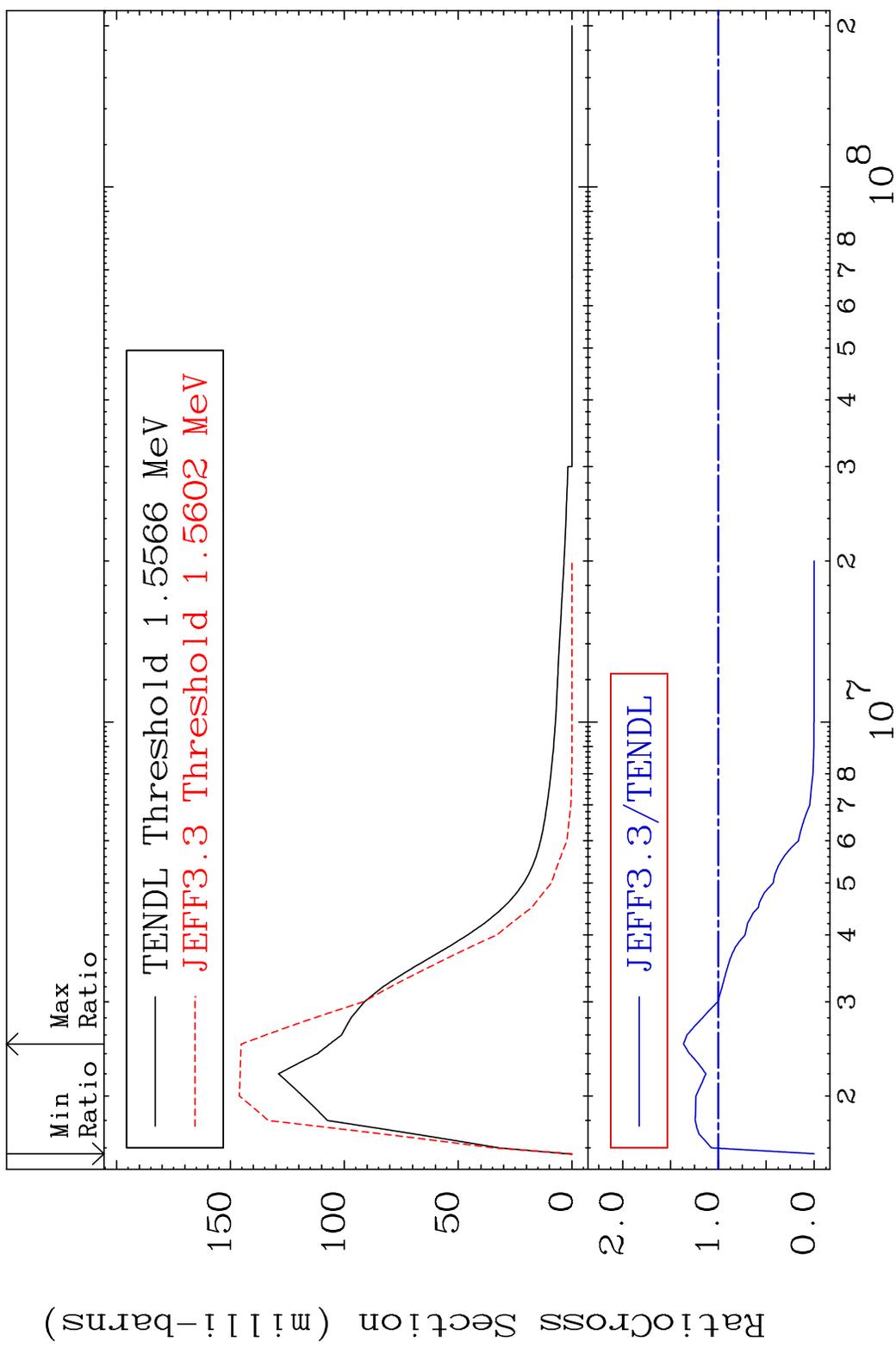
11 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 53 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 32.04 %



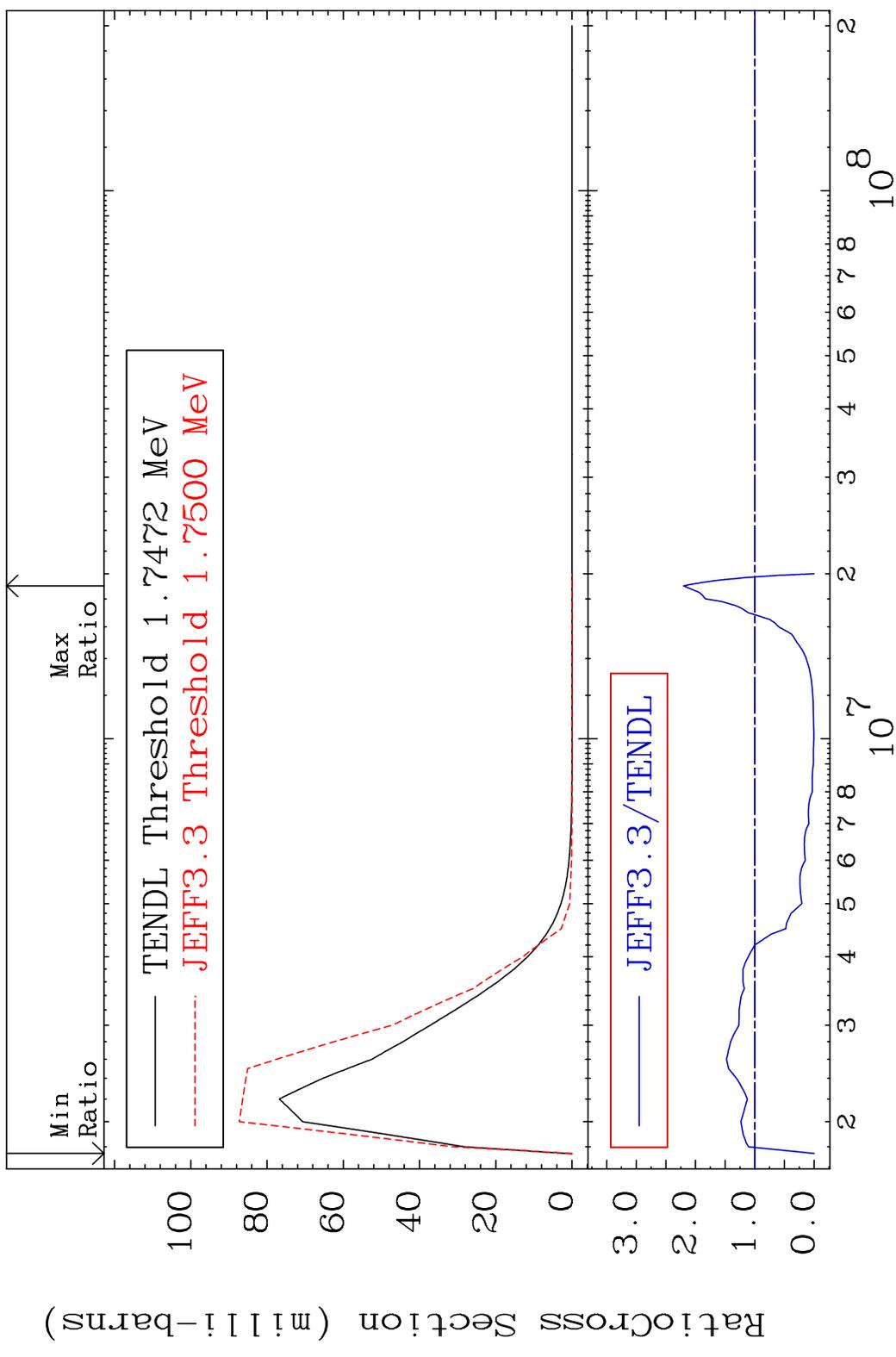
12 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 54 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 36.40 %



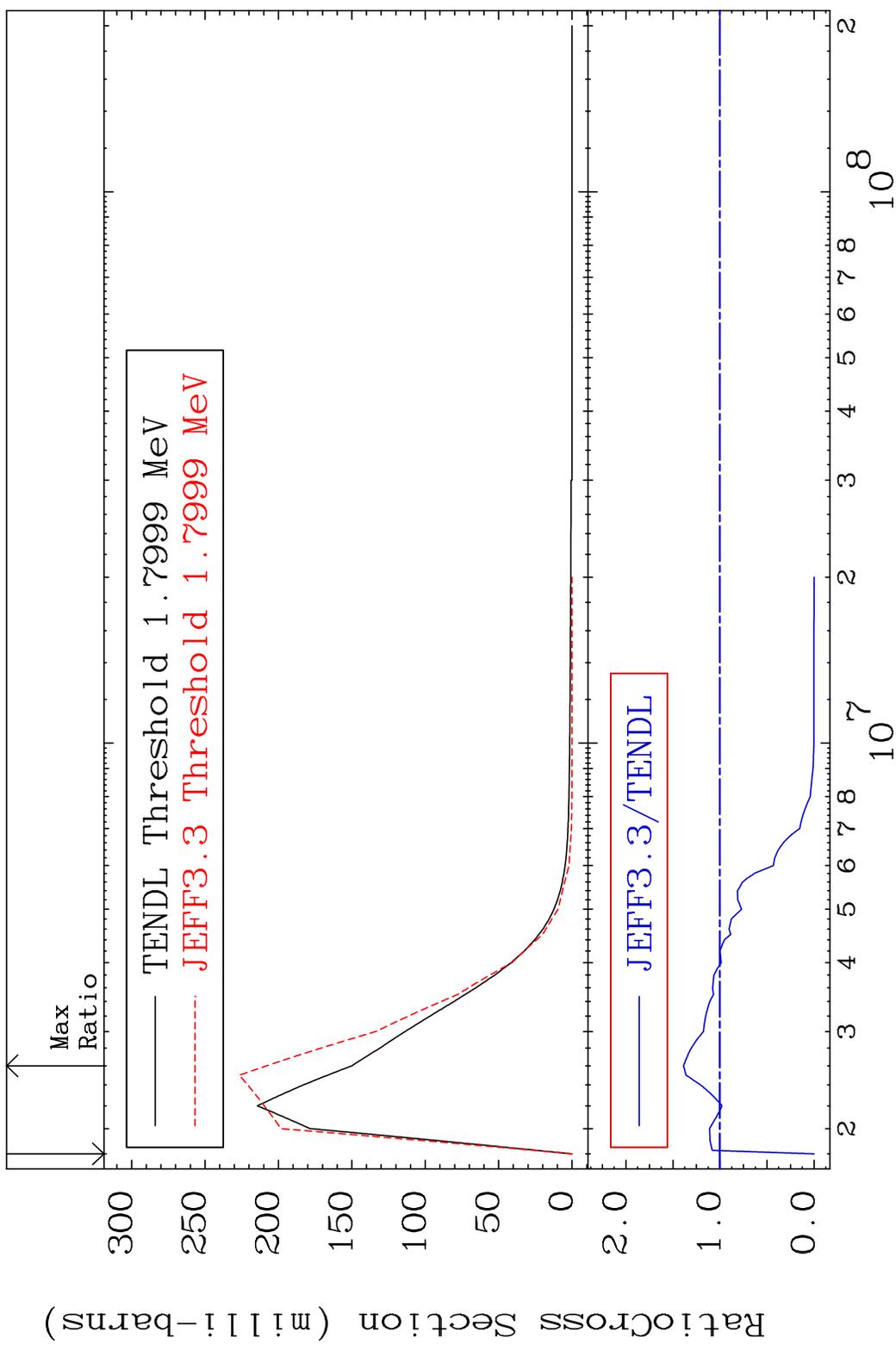
13 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 55 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 120.3 %



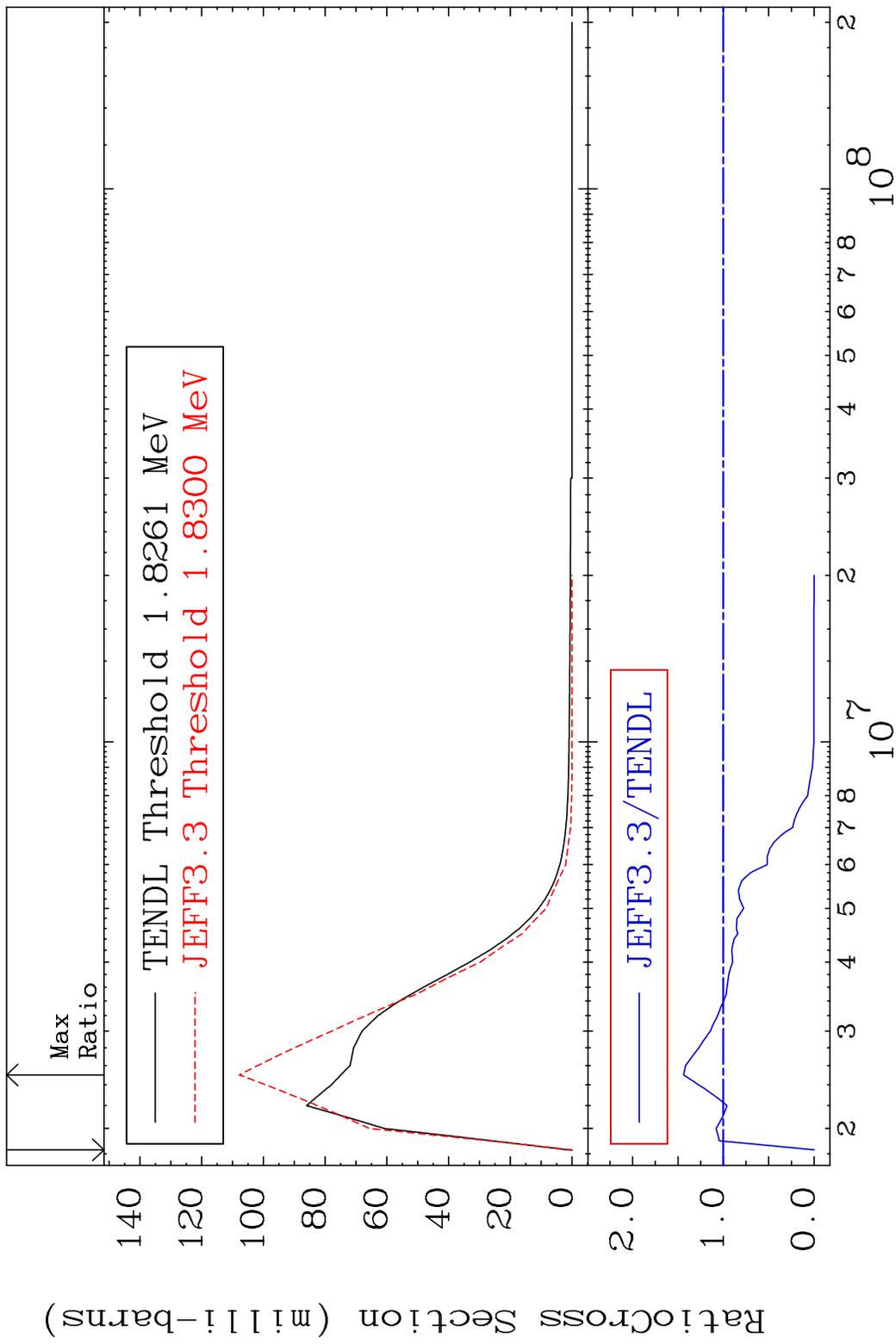
14 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 56 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 38.76 %



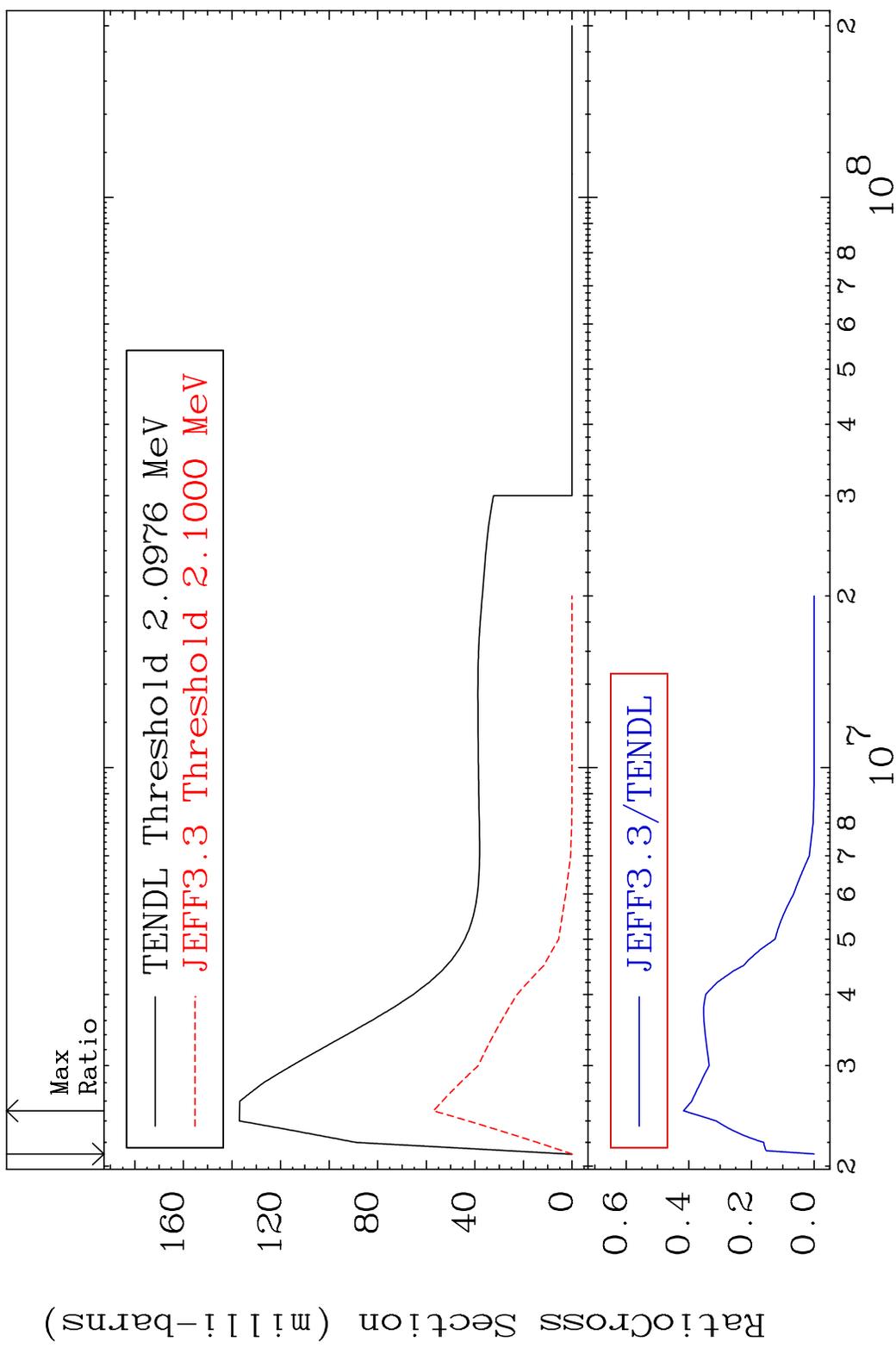
15 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 57 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 43.90 %



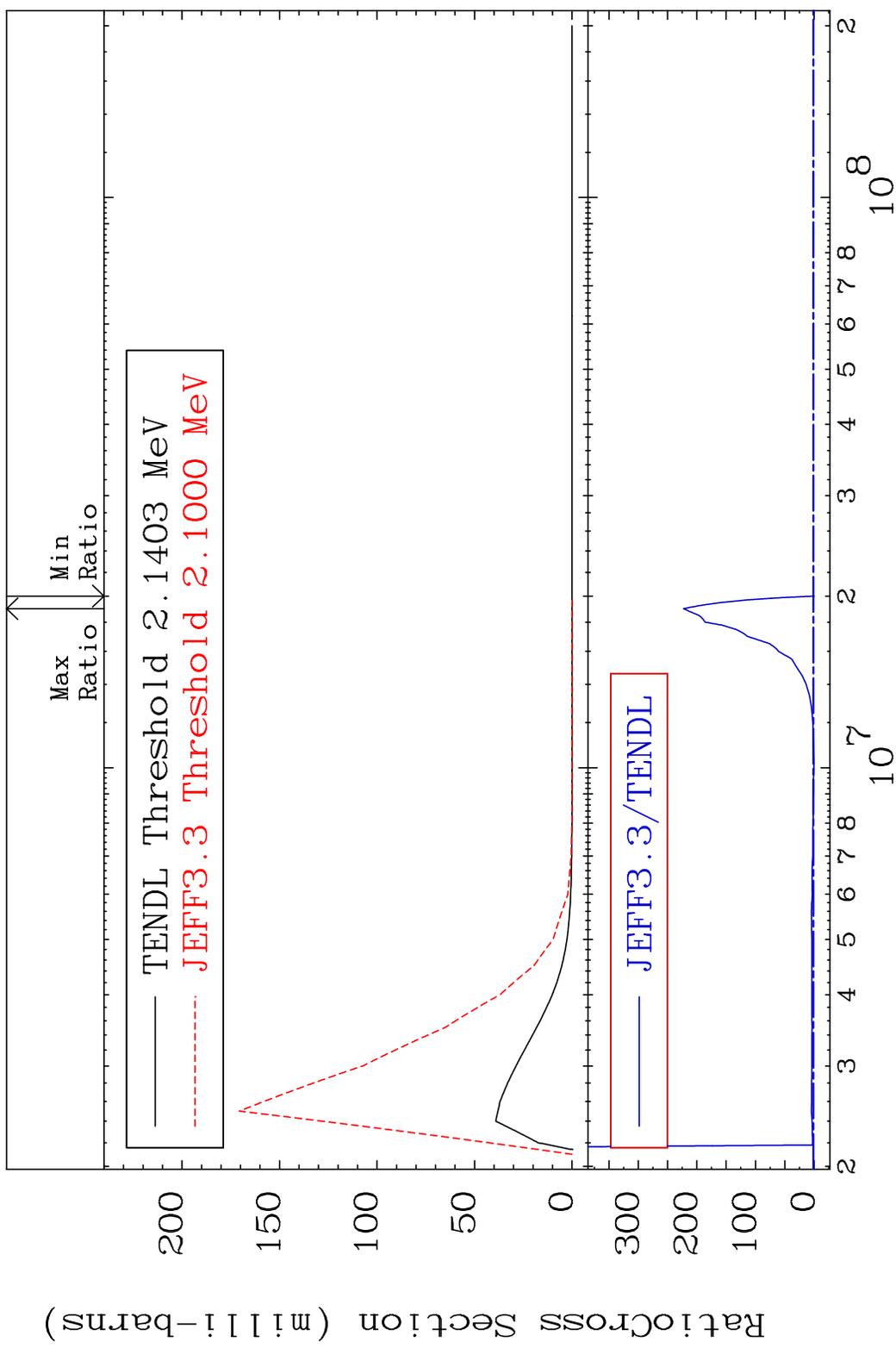
16 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 58 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To -58.30%



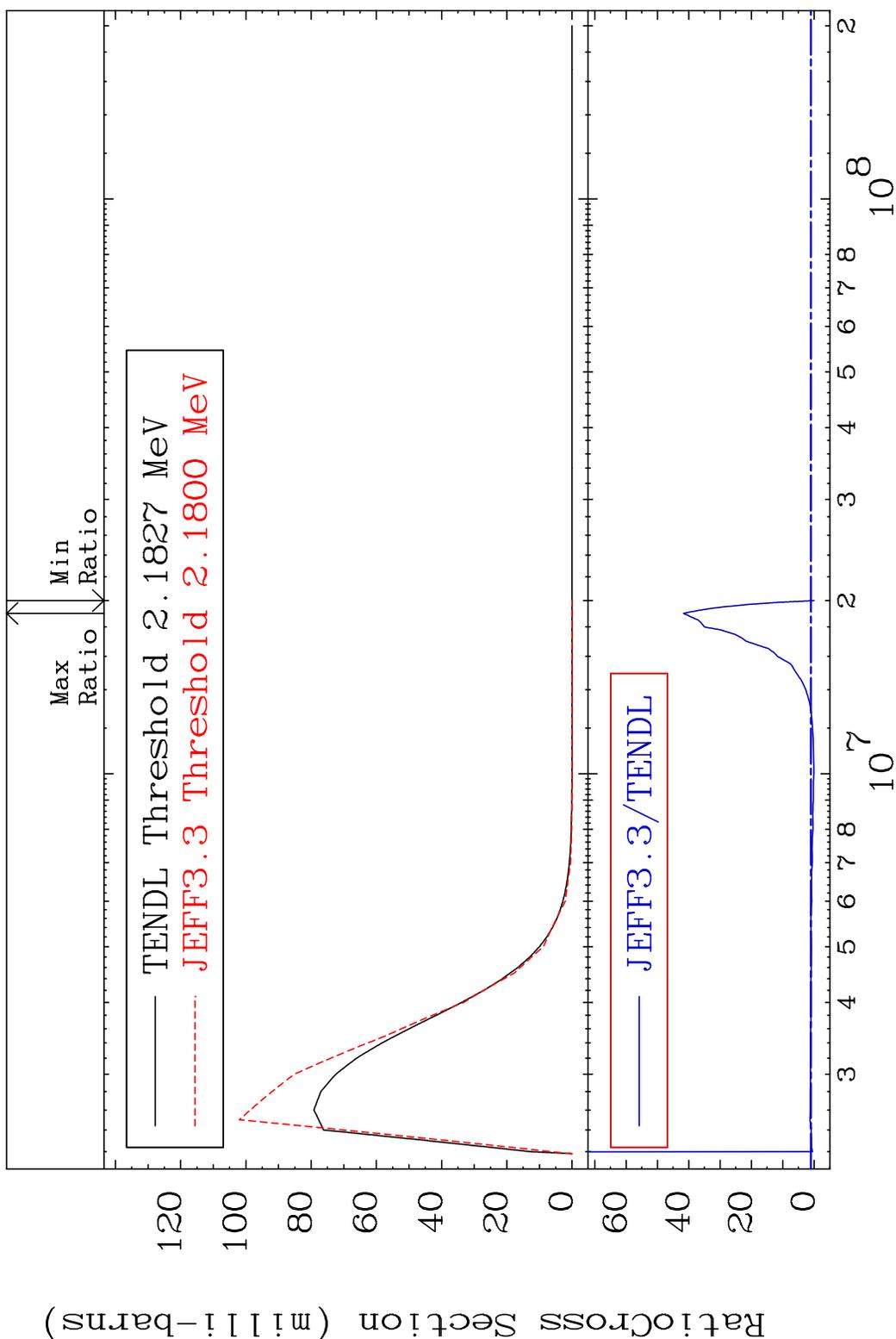
17 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 59 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 9999. %



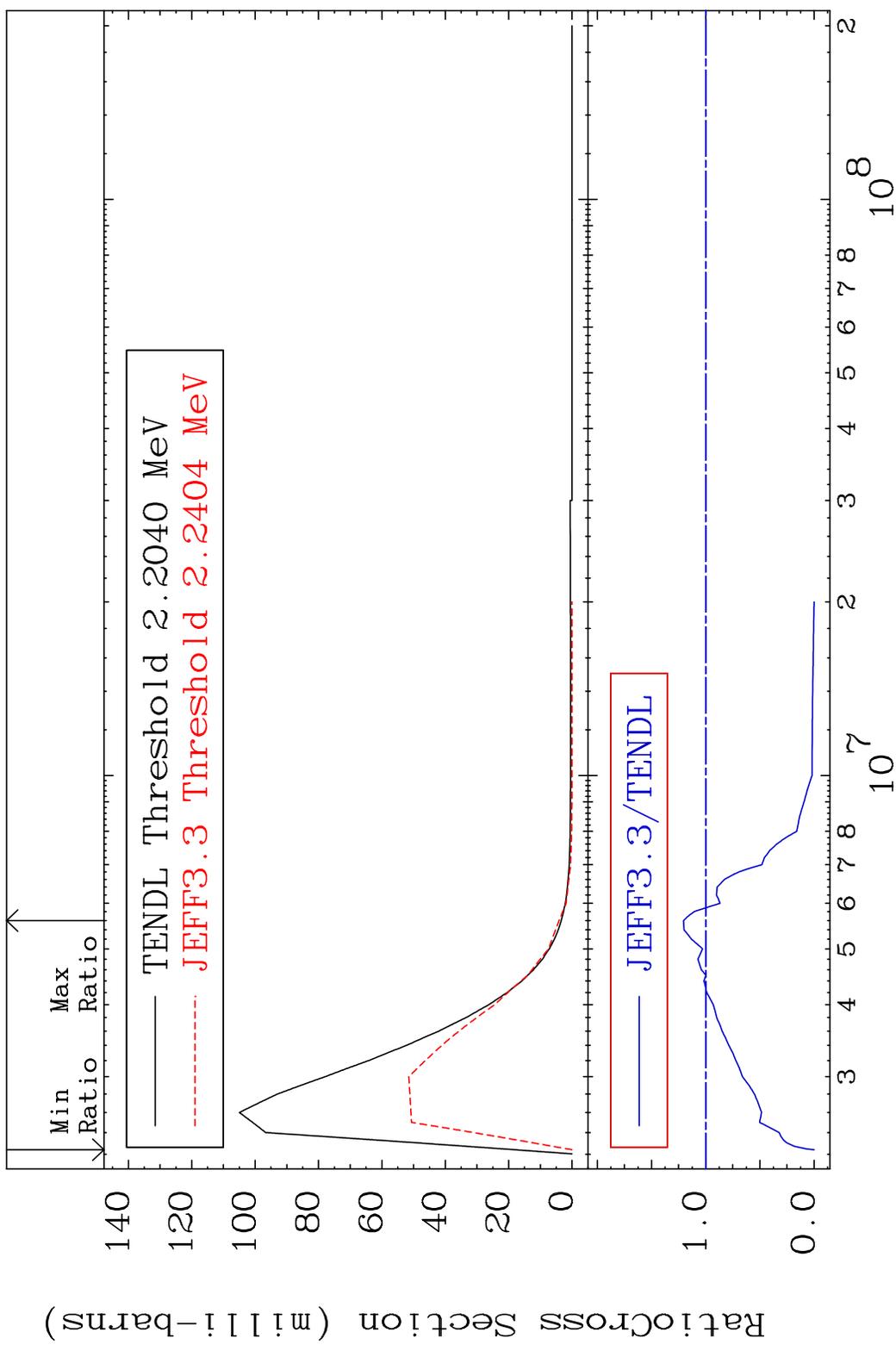
18 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 60 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 4067. %



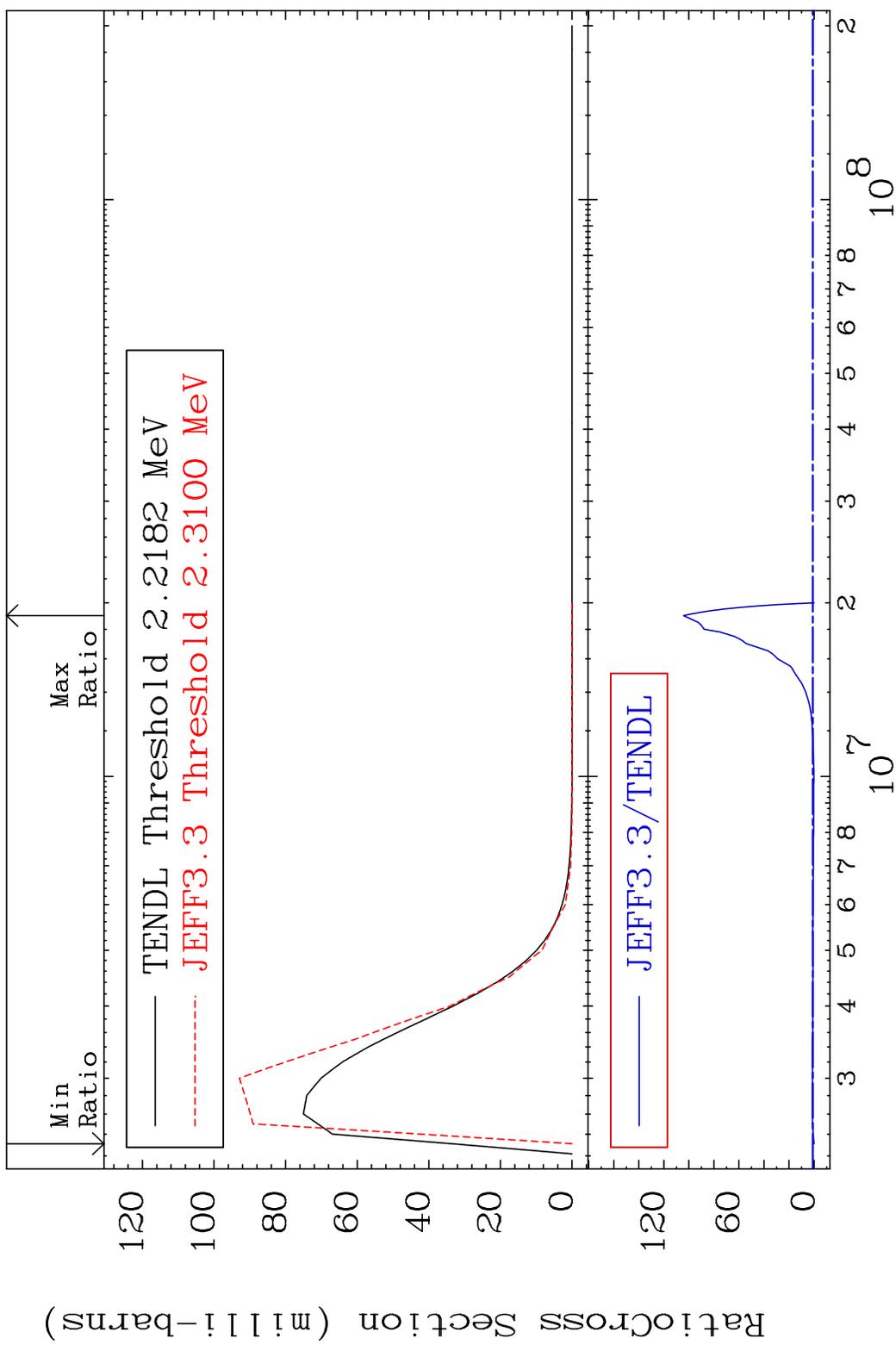
19 Incident Energy (eV) 48-Cd-110

MAT 4837 MT= 61 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 20.46 %

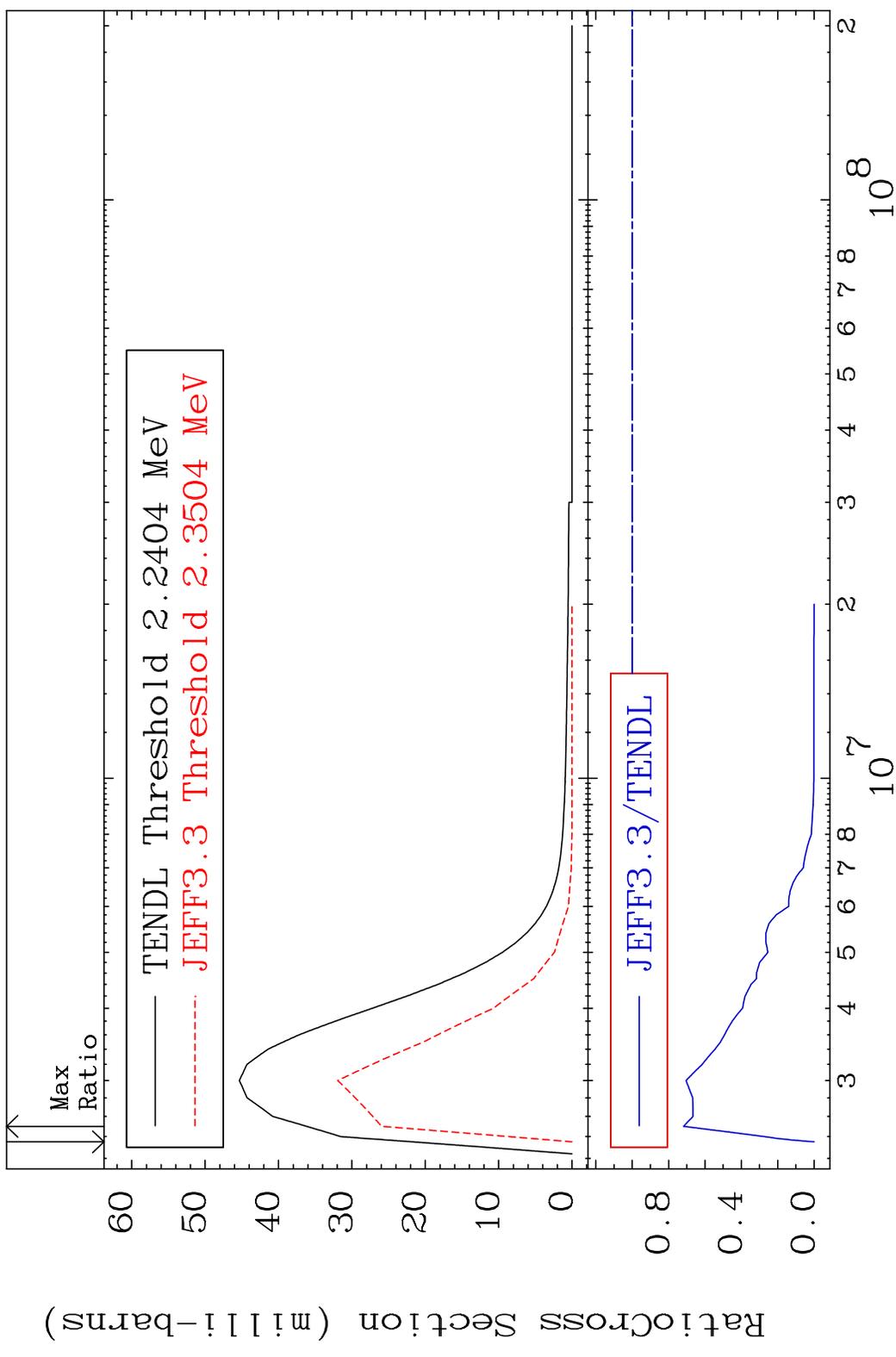


20 Incident Energy (eV) 48-Cd-110

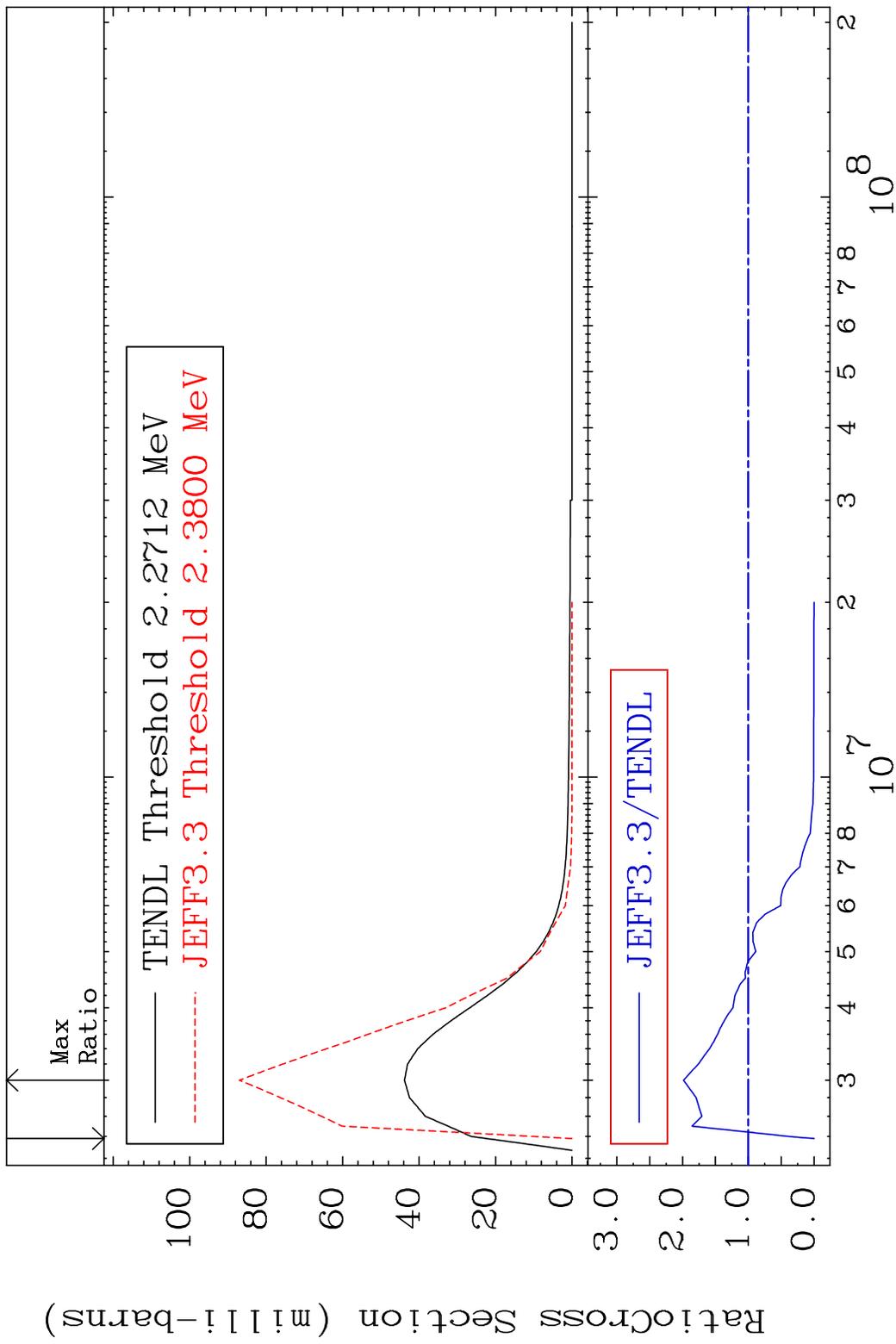
MAT 4837 MT= 62 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 9999. %



MAT 4837 MT= 63 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To -28.21%

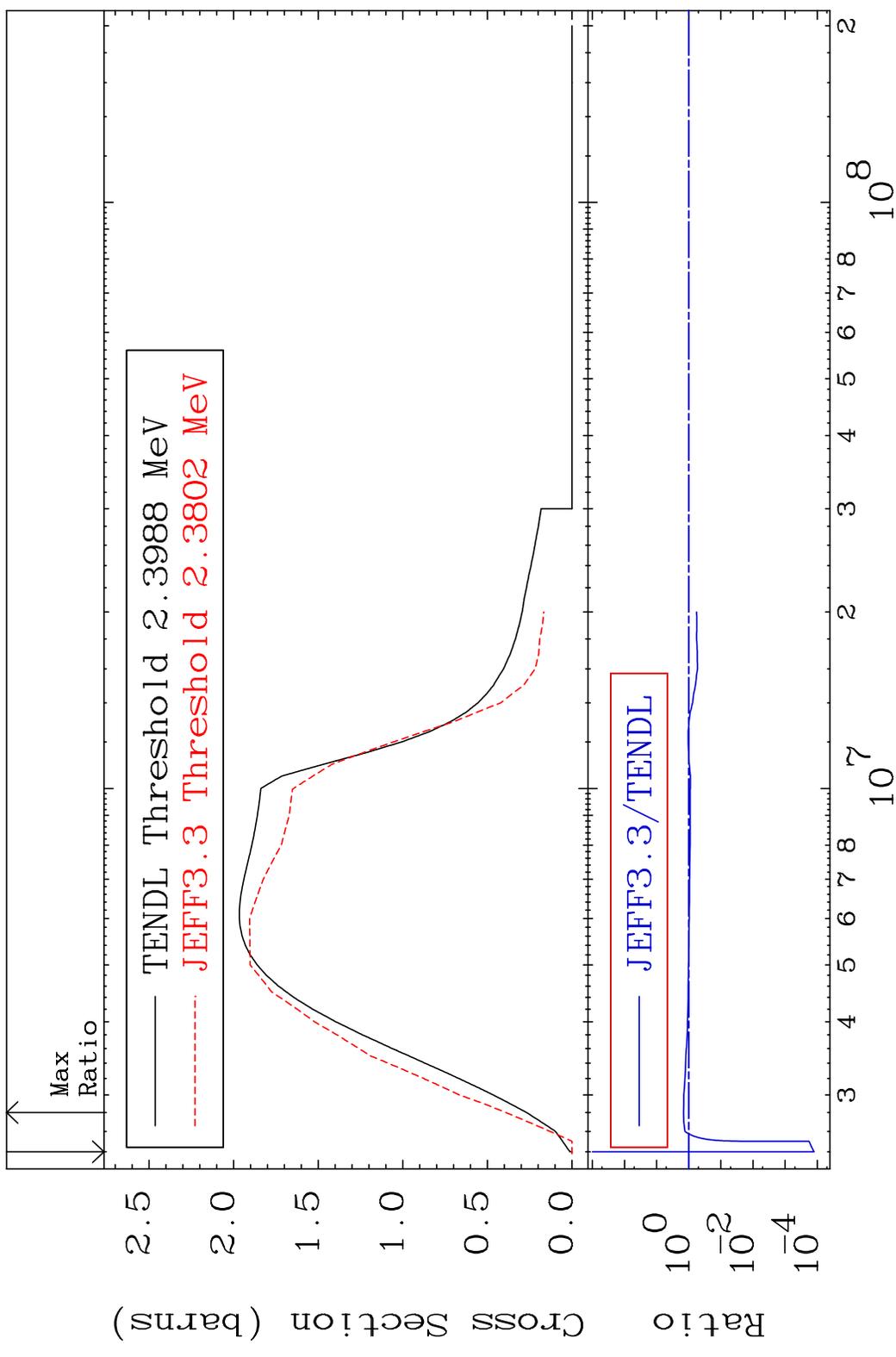


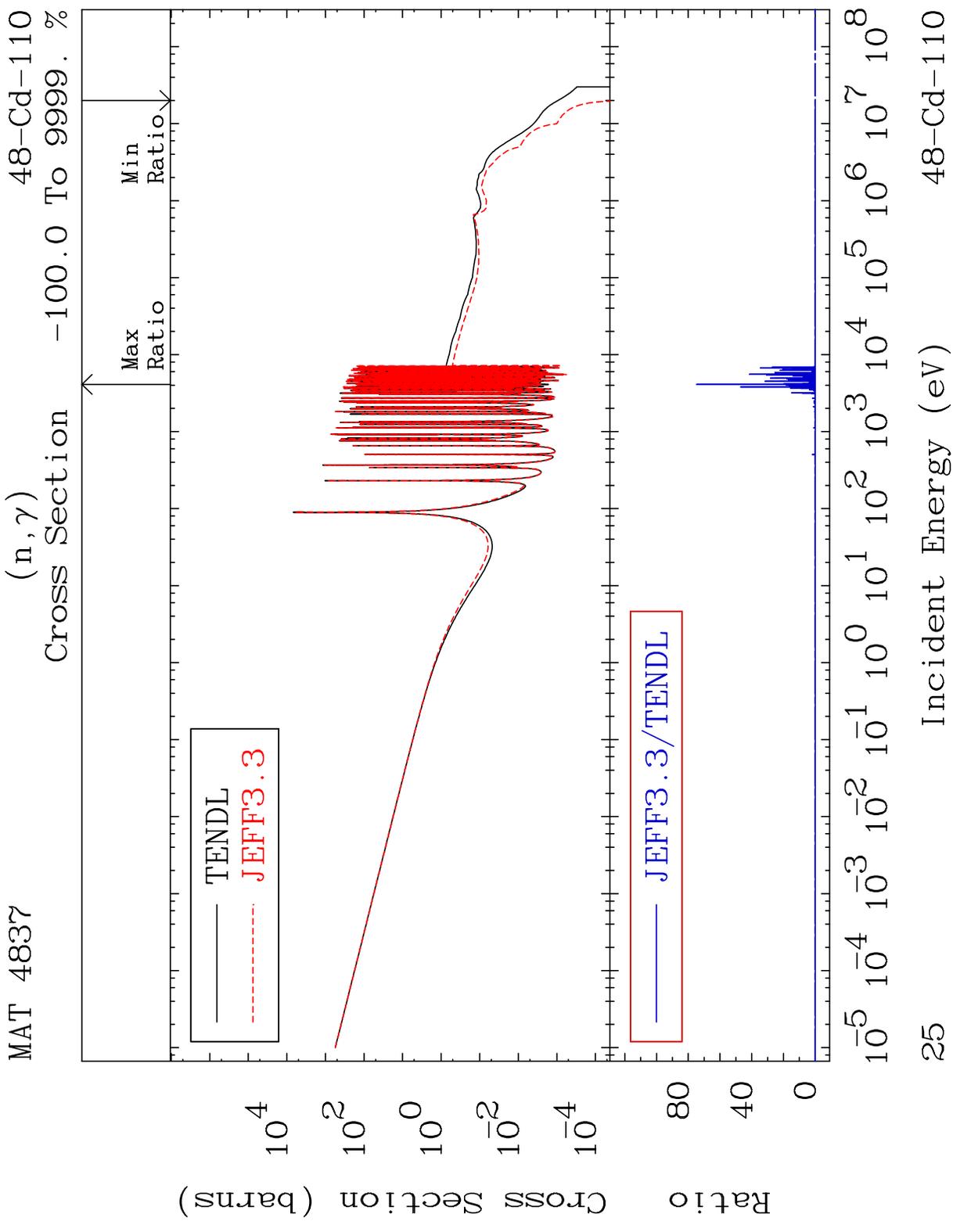
MAT 4837 MT= 64 (n, n') Level 48-Cd-110  
 Cross Section -100.0 To 98.53 %



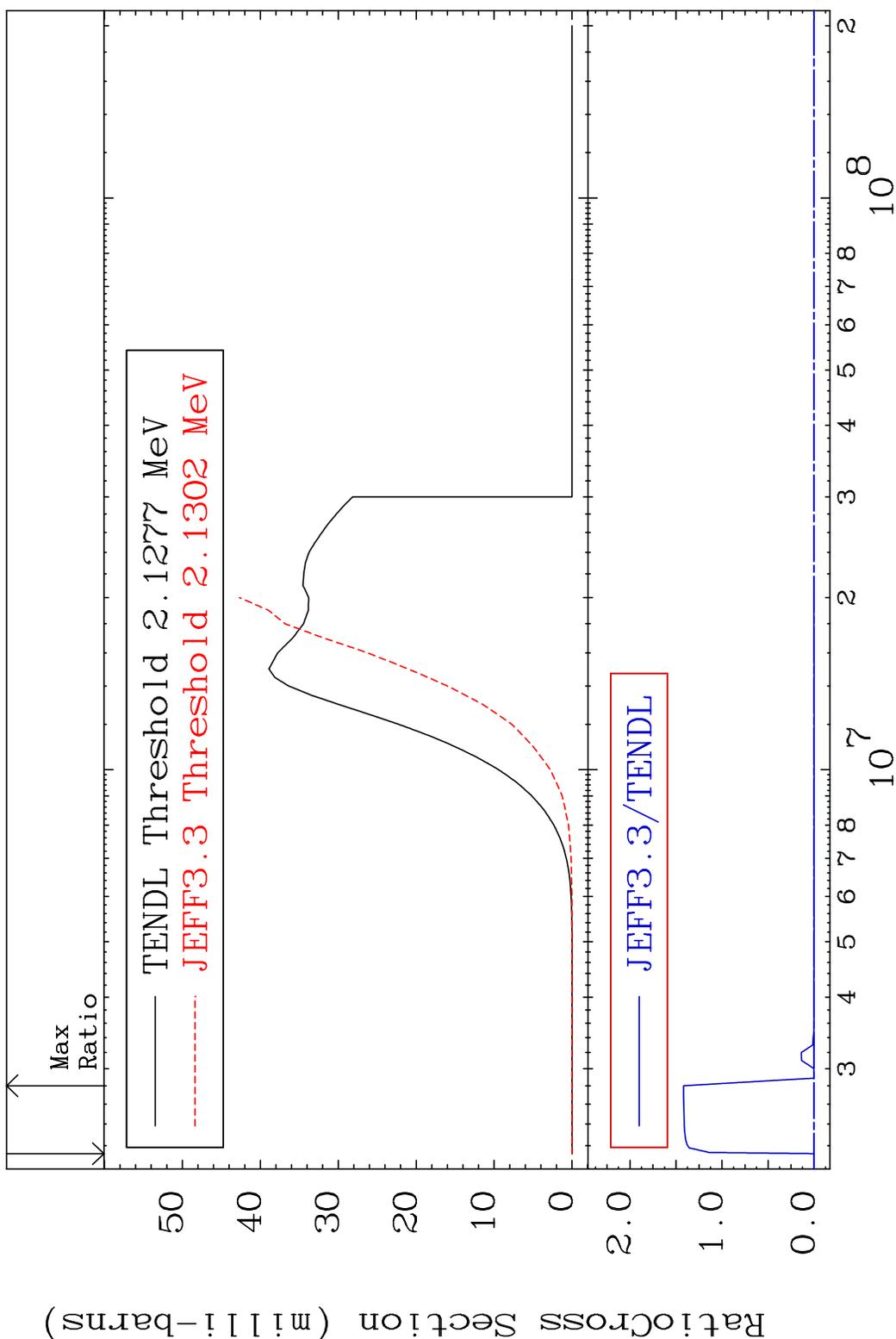
23 Incident Energy (eV) 48-Cd-110

MAT 4837 (n,n') Continuum 48-Cd-110  
 Cross Section -99.99 To 45.45 %



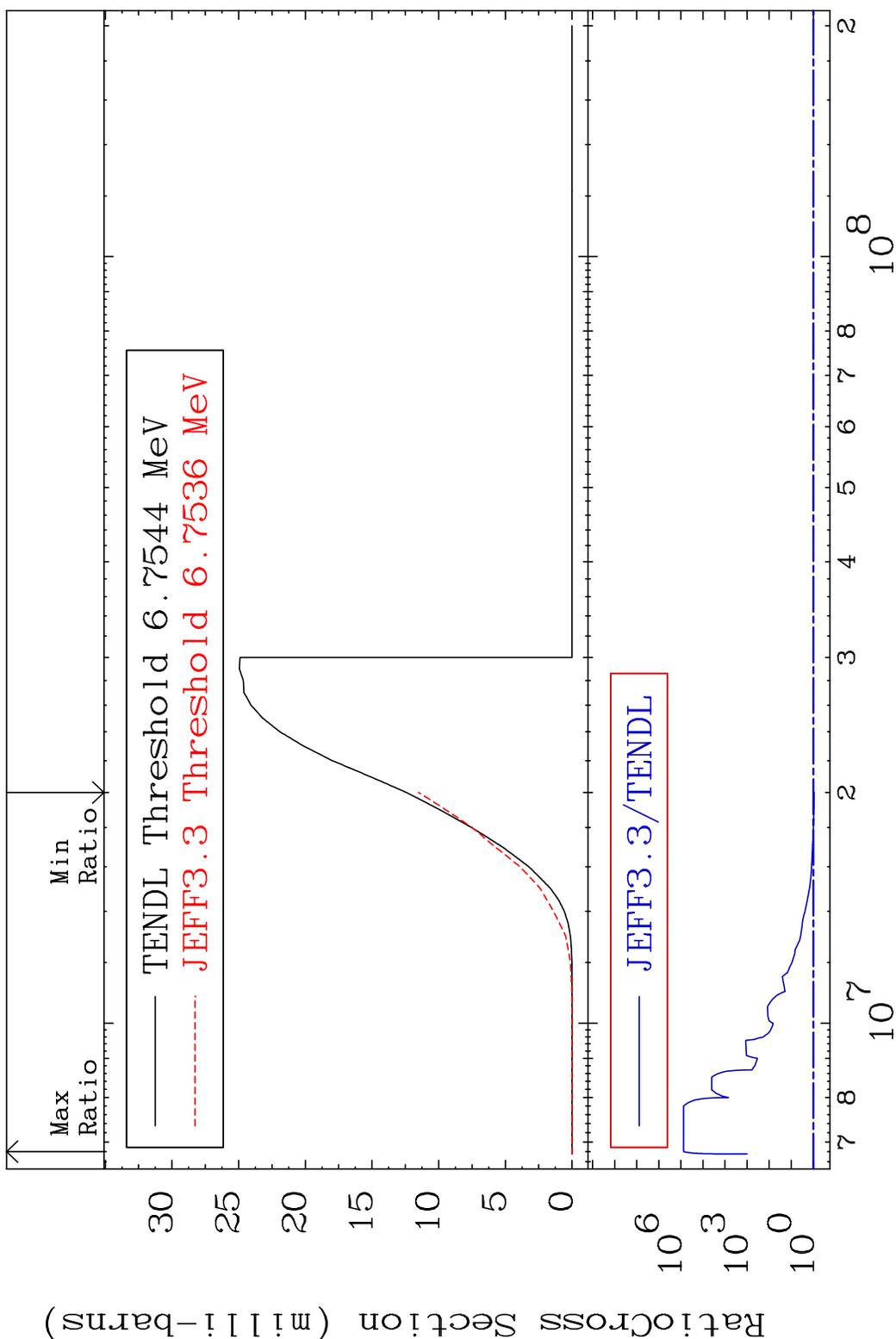


MAT 4837 (n,p) 48-Cd-110  
 Cross Section -100.0 To 9999. %



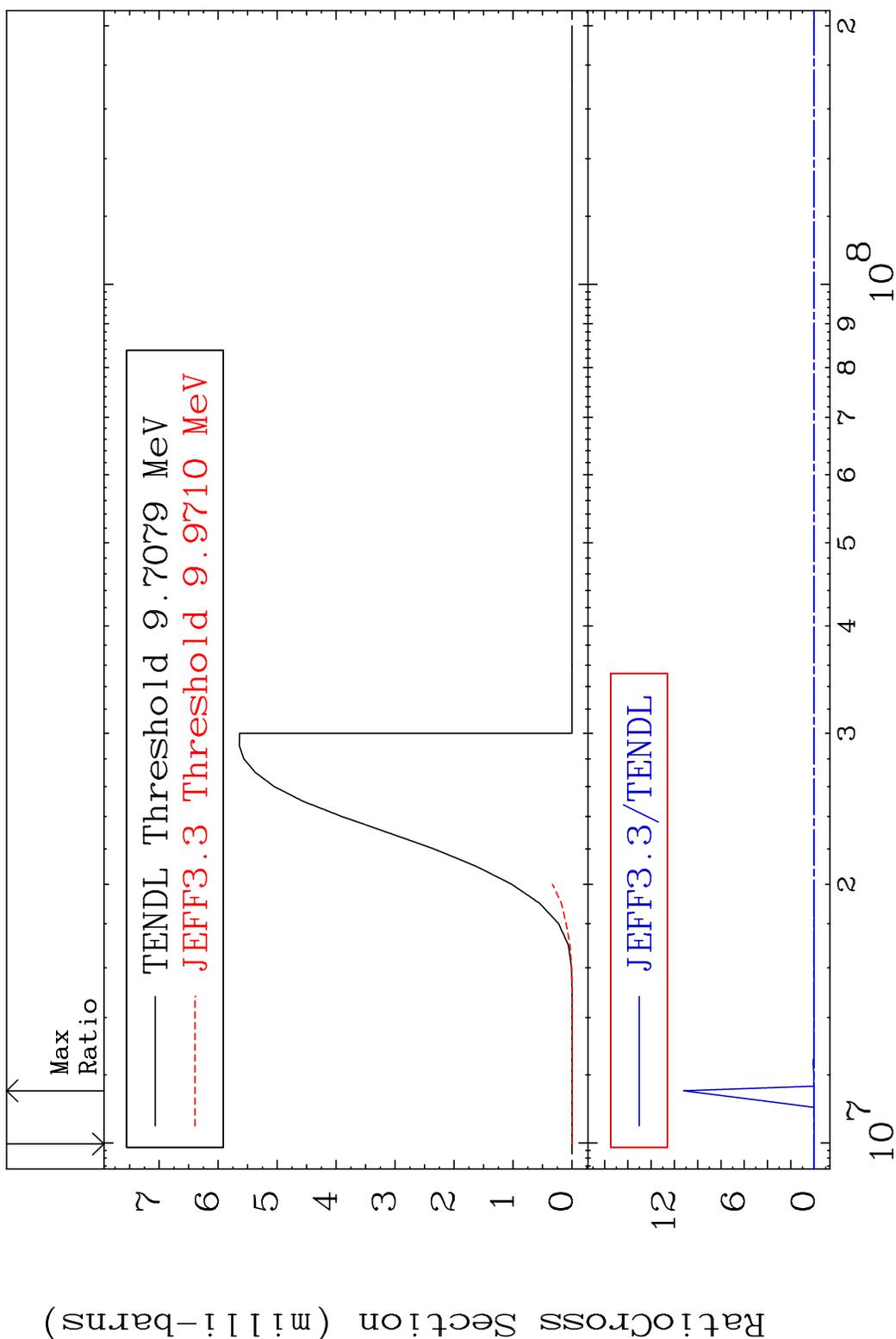
26 Incident Energy (eV) 48-Cd-110

MAT 4837 (n, d) 48-Cd-110  
 Cross Section -7.462 To 9999. %



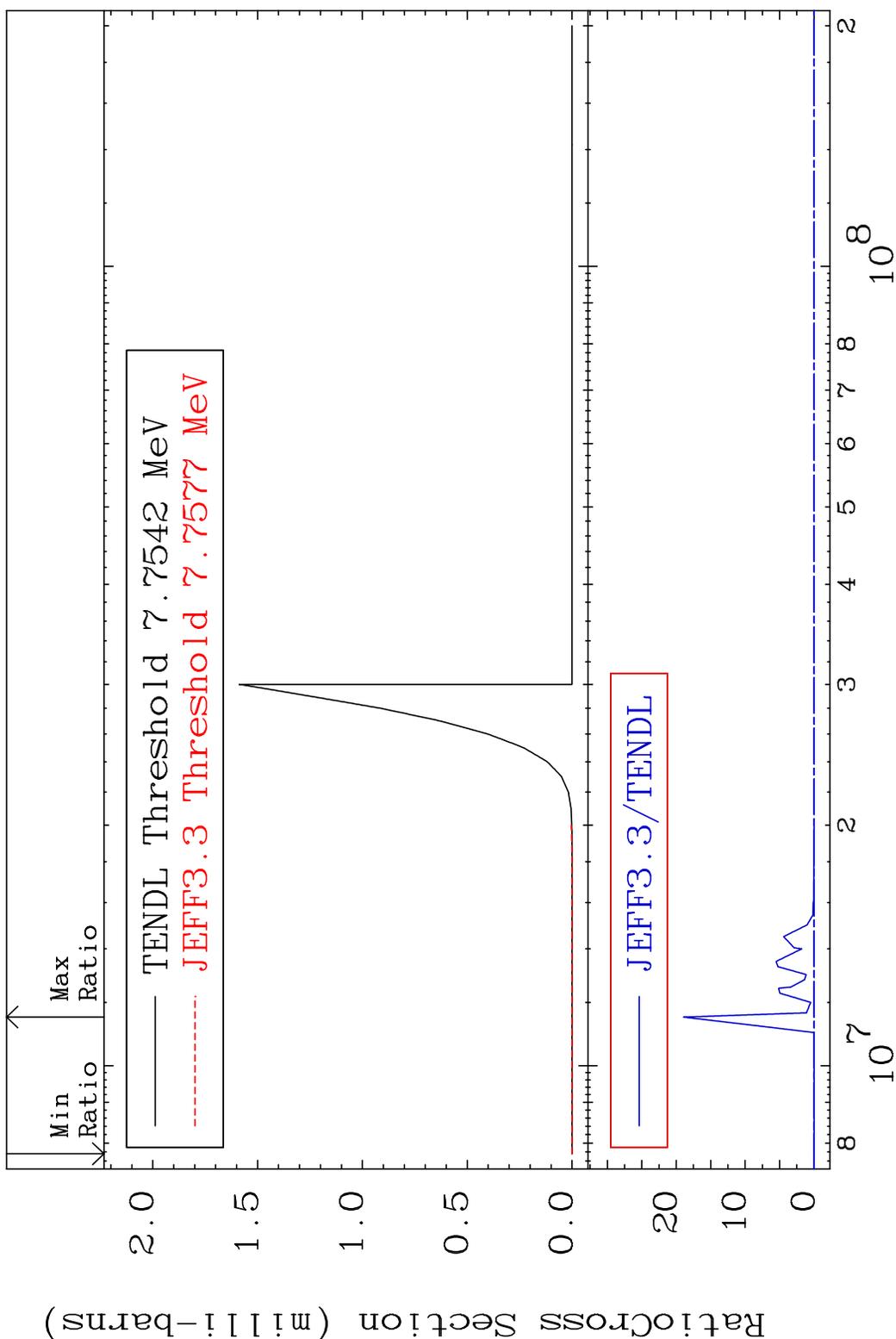
27 Incident Energy (eV) 48-Cd-110

MAT 4837 (n, t) 48-Cd-110  
 Cross Section -100.0 To 9999. %

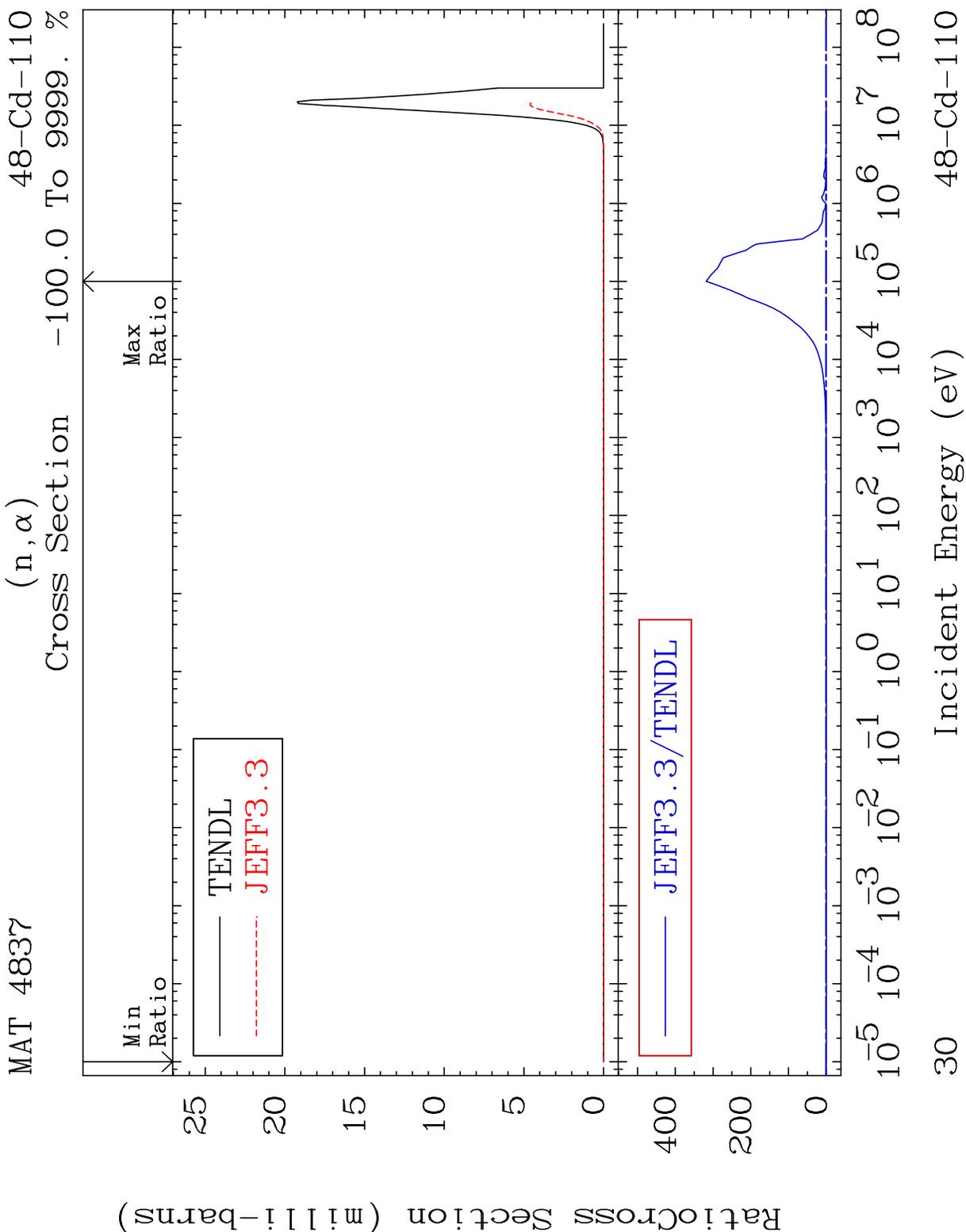


28 Incident Energy (eV) 48-Cd-110

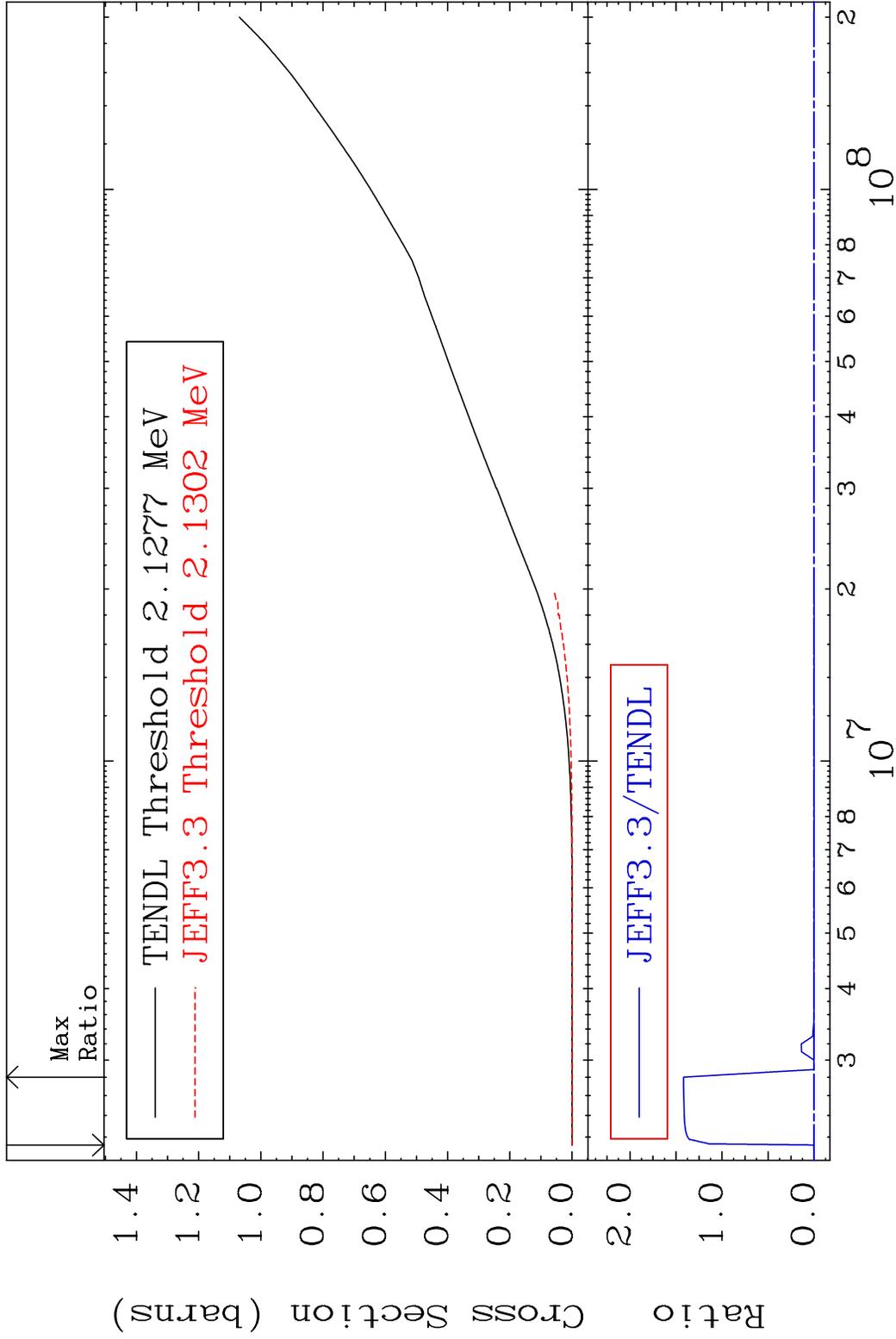
MAT 4837 (n, He-3) 48-Cd-110  
 Cross Section -100.0 To 9999. %



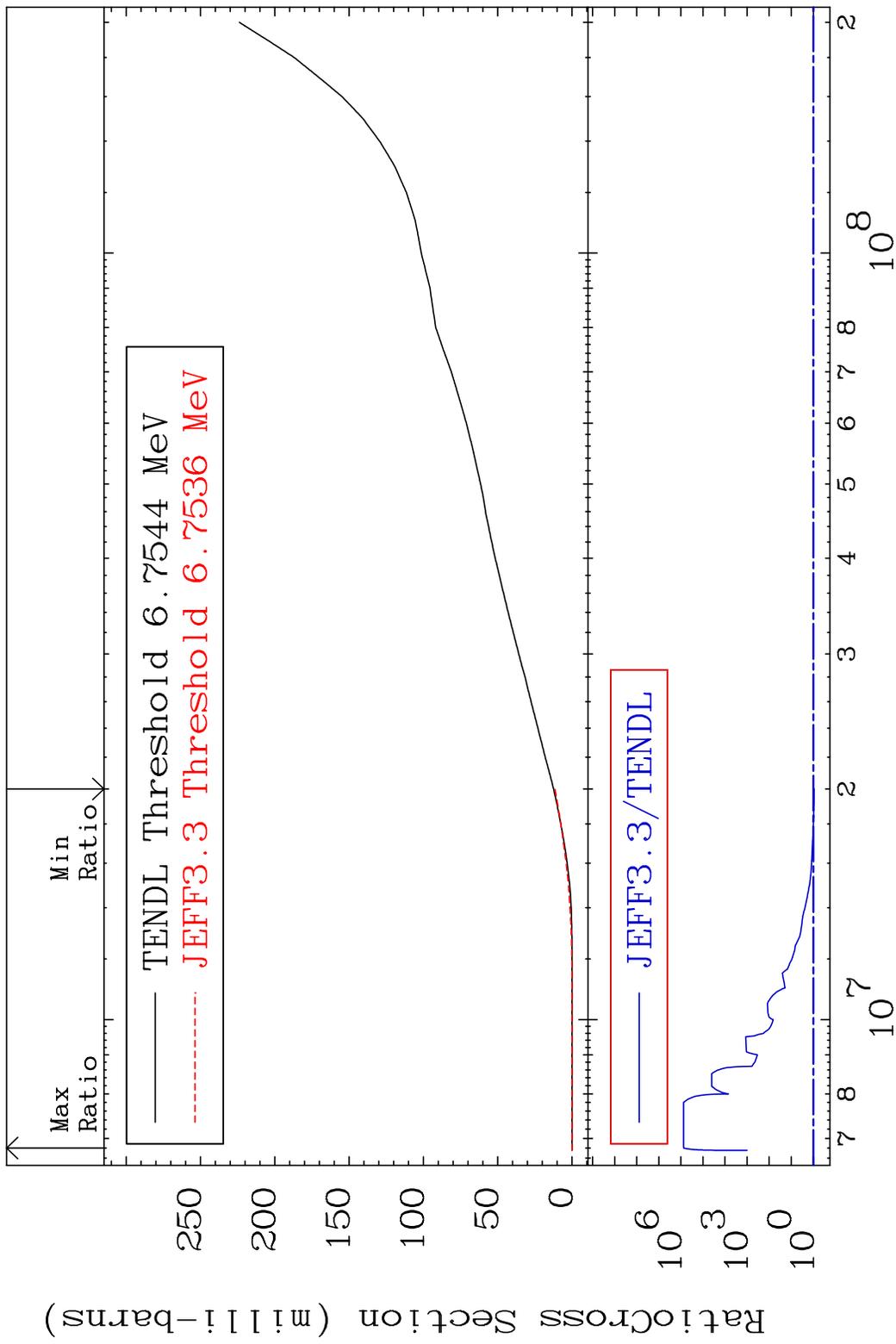
29 Incident Energy (eV) 48-Cd-110



MAT 4837 Hydrogen Production 48-Cd-110  
 Cross Section -100.0 To 9999. %

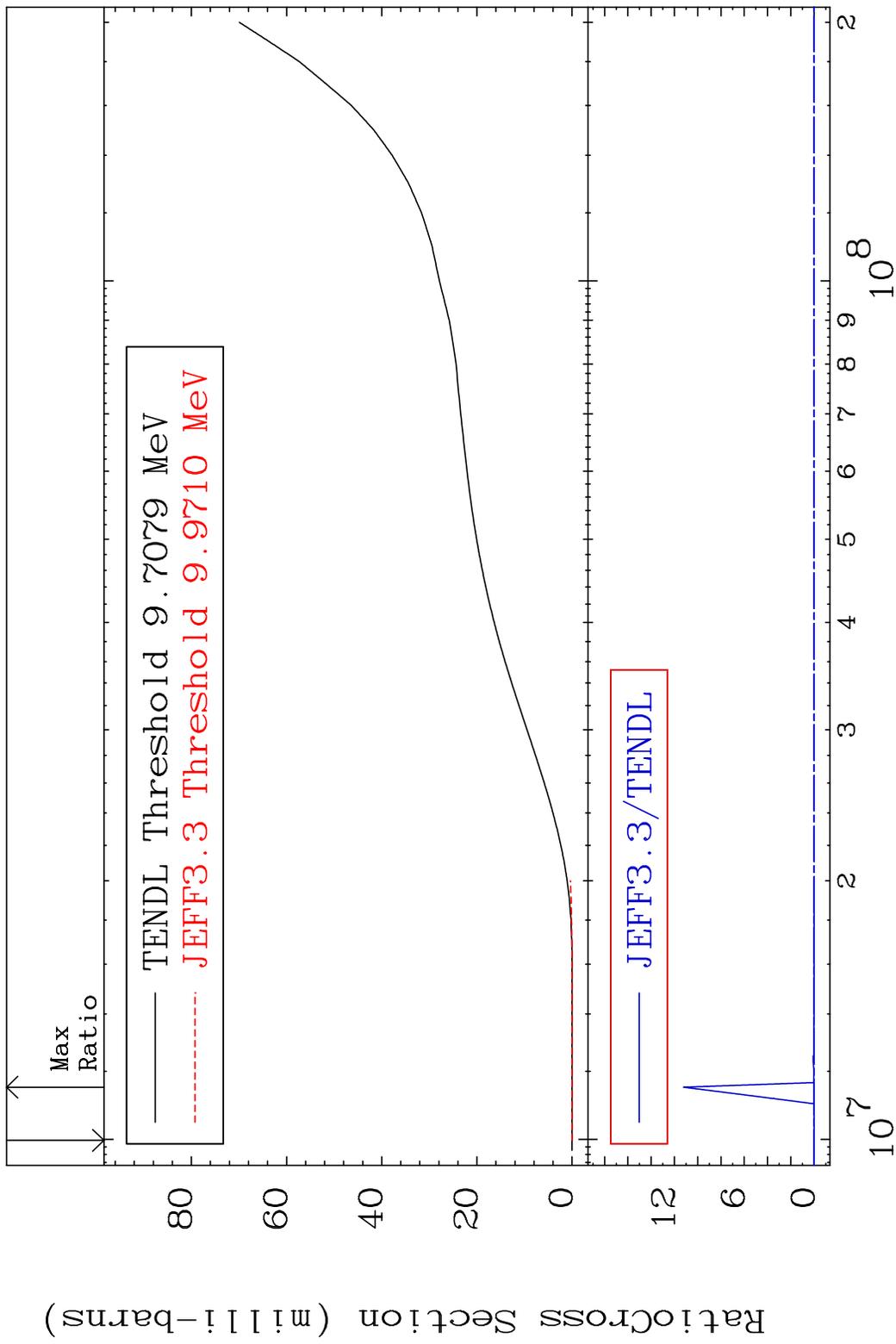


MAT 4837 Deuterium Production 48-Cd-110  
 Cross Section -7.467 To 9999. %



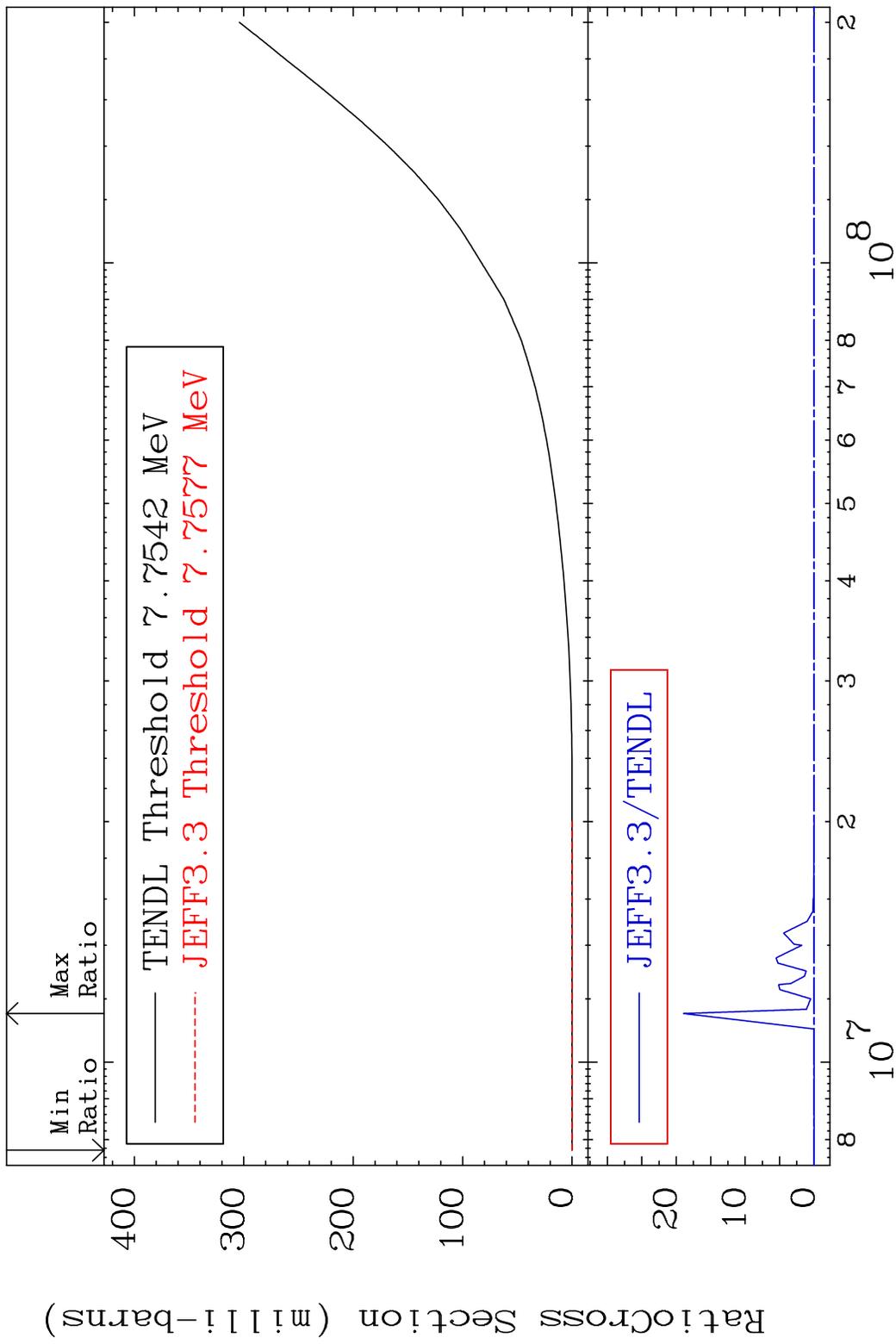
32 Incident Energy (eV) 48-Cd-110

MAT 4837 Tritium Production 48-Cd-110  
Cross Section -100.0 To 9999. %



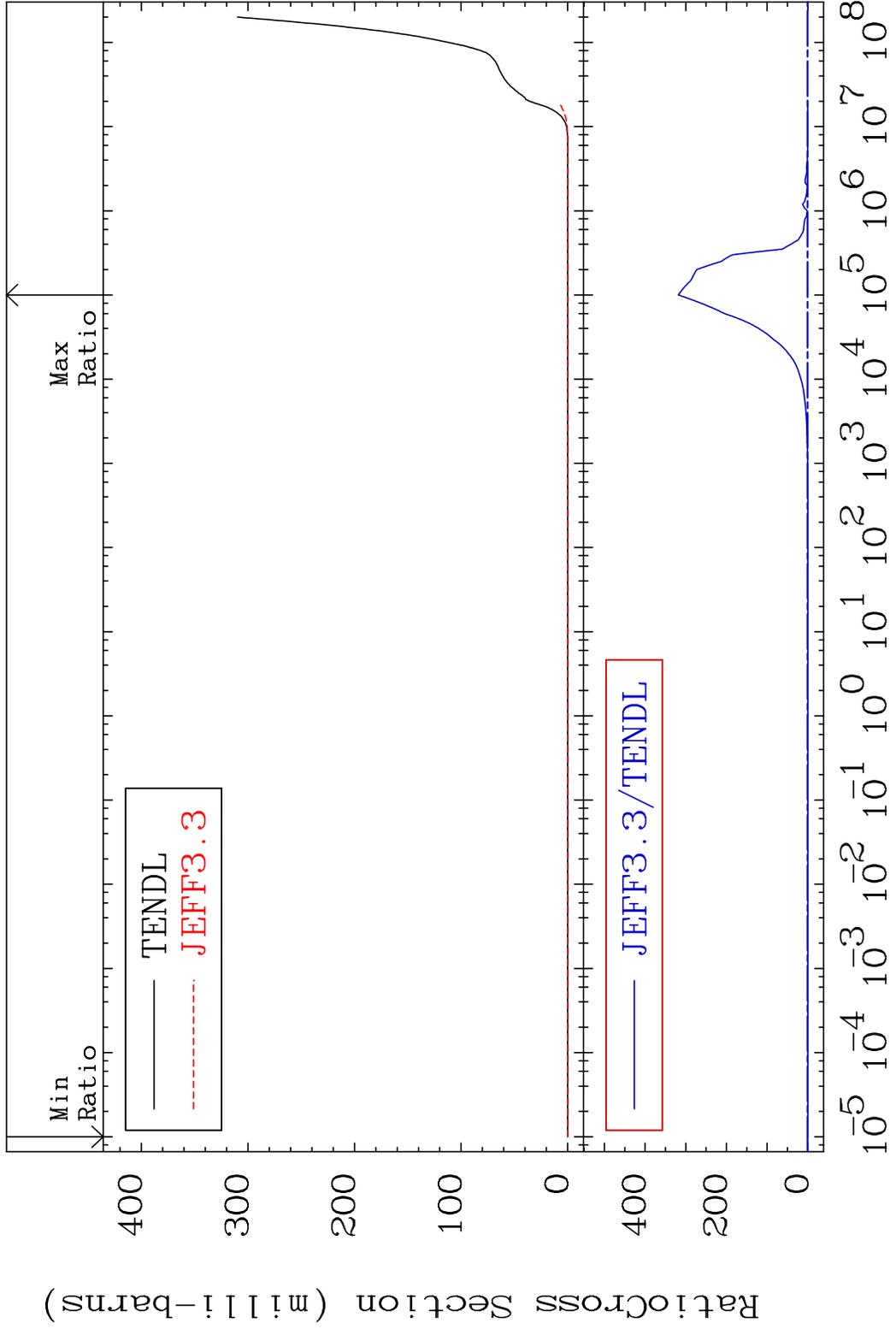
33 48-Cd-110

MAT 4837 He-3 Production 48-Cd-110  
 Cross Section -100.0 To 9999. %



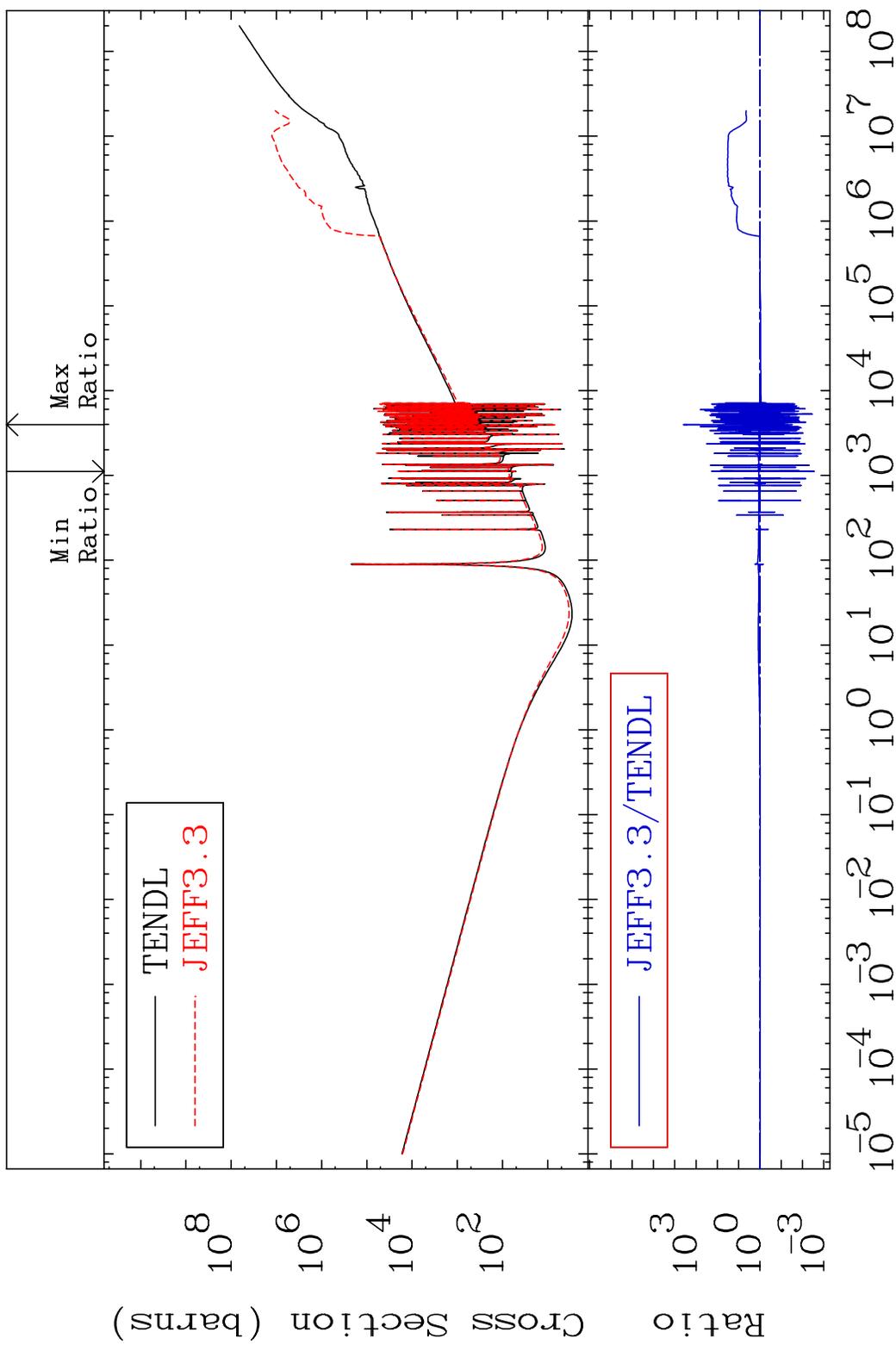
34 Incident Energy (eV) 48-Cd-110

MAT 4837 He-4 Production 48-Cd-110  
Cross Section -100.0 To 9999. %



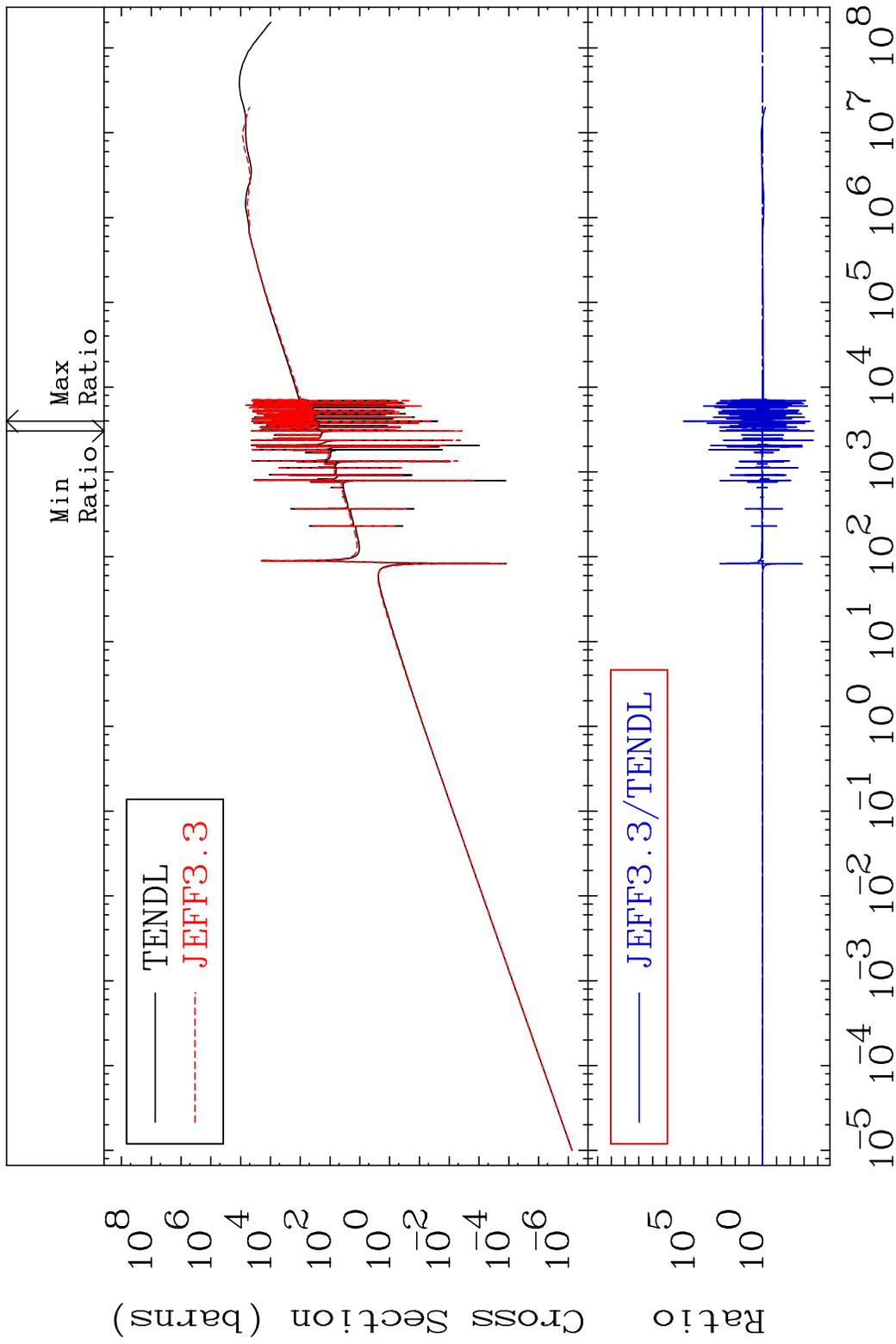
35 Incident Energy (eV) 48-Cd-110

MAT 4837 Kerma total (eV-barns) 48-Cd-110  
 Cross Section -99.71 To 9999. %



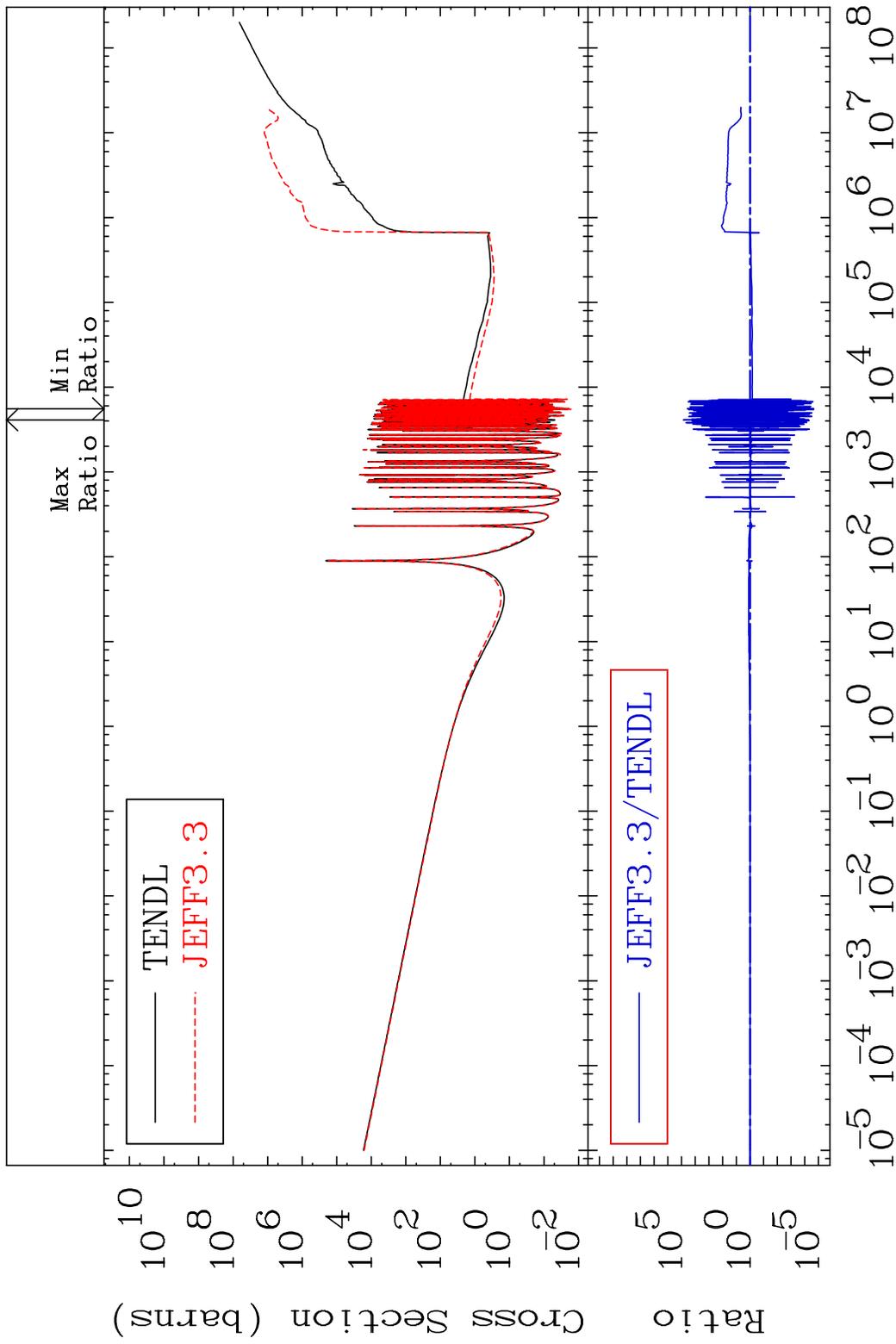
36 Incident Energy (eV) 48-Cd-110

MAT 4837 Kerma elastic 48-Cd-110  
 Cross Section -99.98 To 9999. %



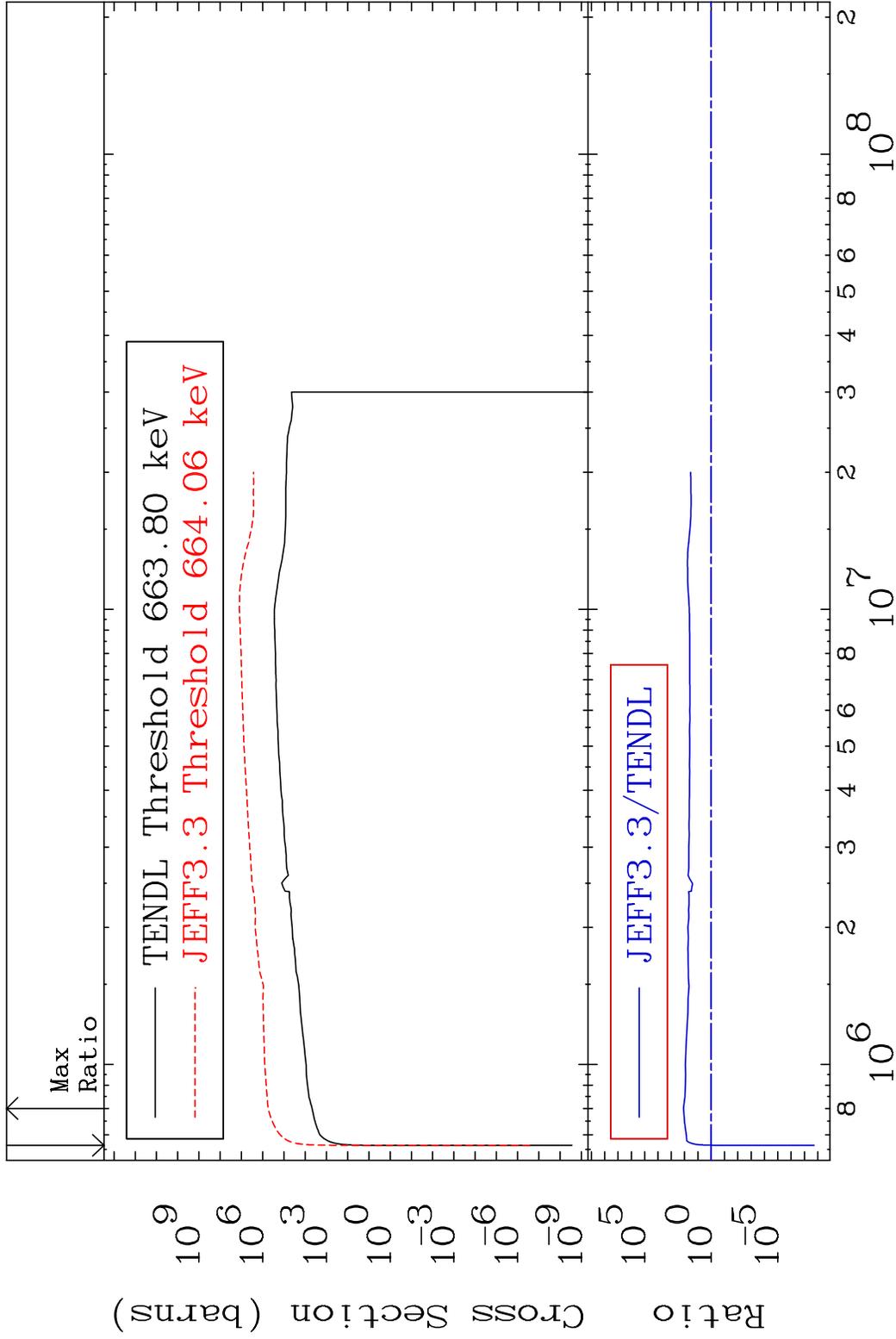
37 Incident Energy (eV) 48-Cd-110

MAT 4837 Kerma non-elastic (all but mt2) 48-Cd-110  
 Cross Section -100.0 To 9999. %



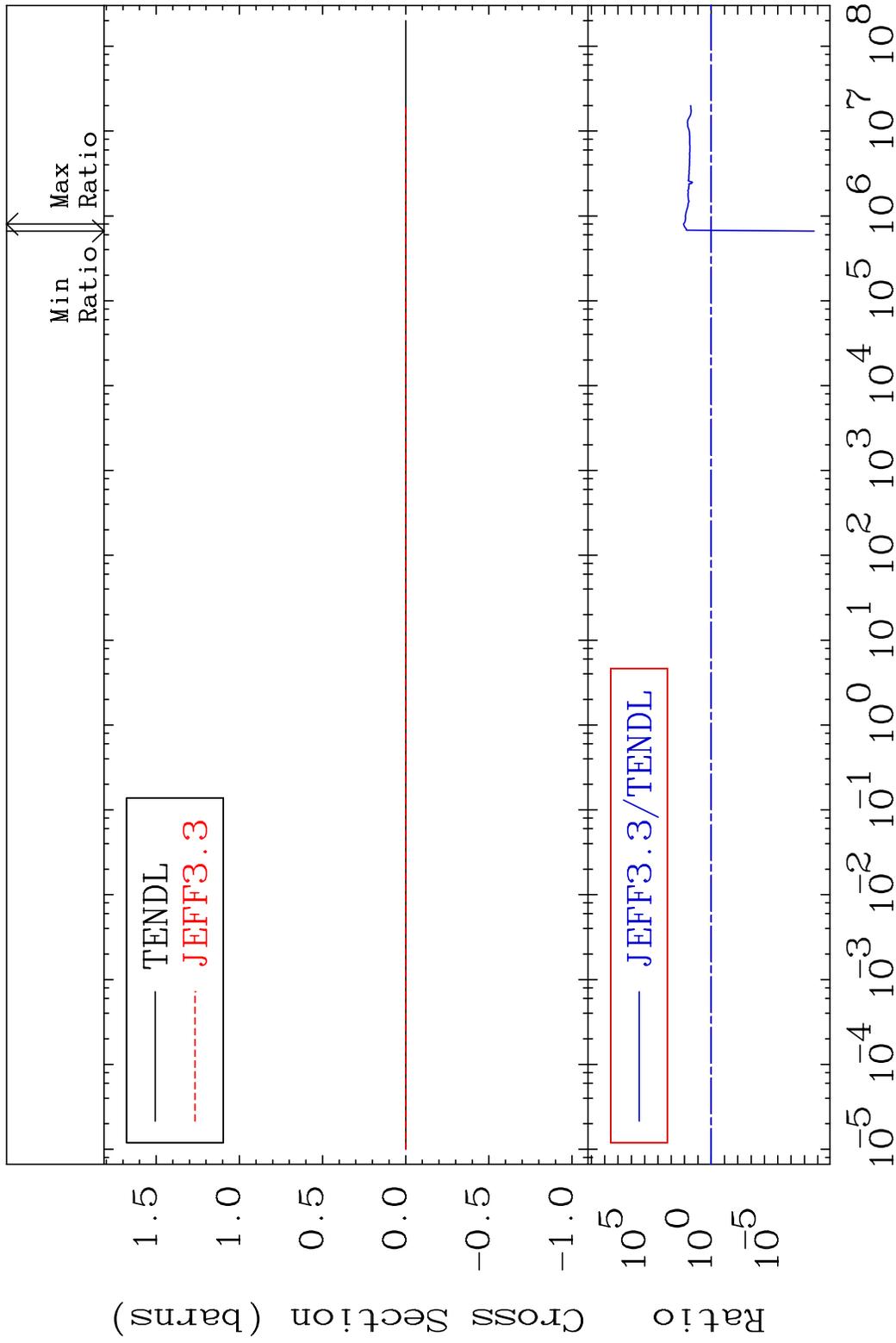
38 Incident Energy (eV) 48-Cd-110

MAT 4837 Kerma inelastic (mt51-91) 48-Cd-110  
 Cross Section -100.0 To 9999. %

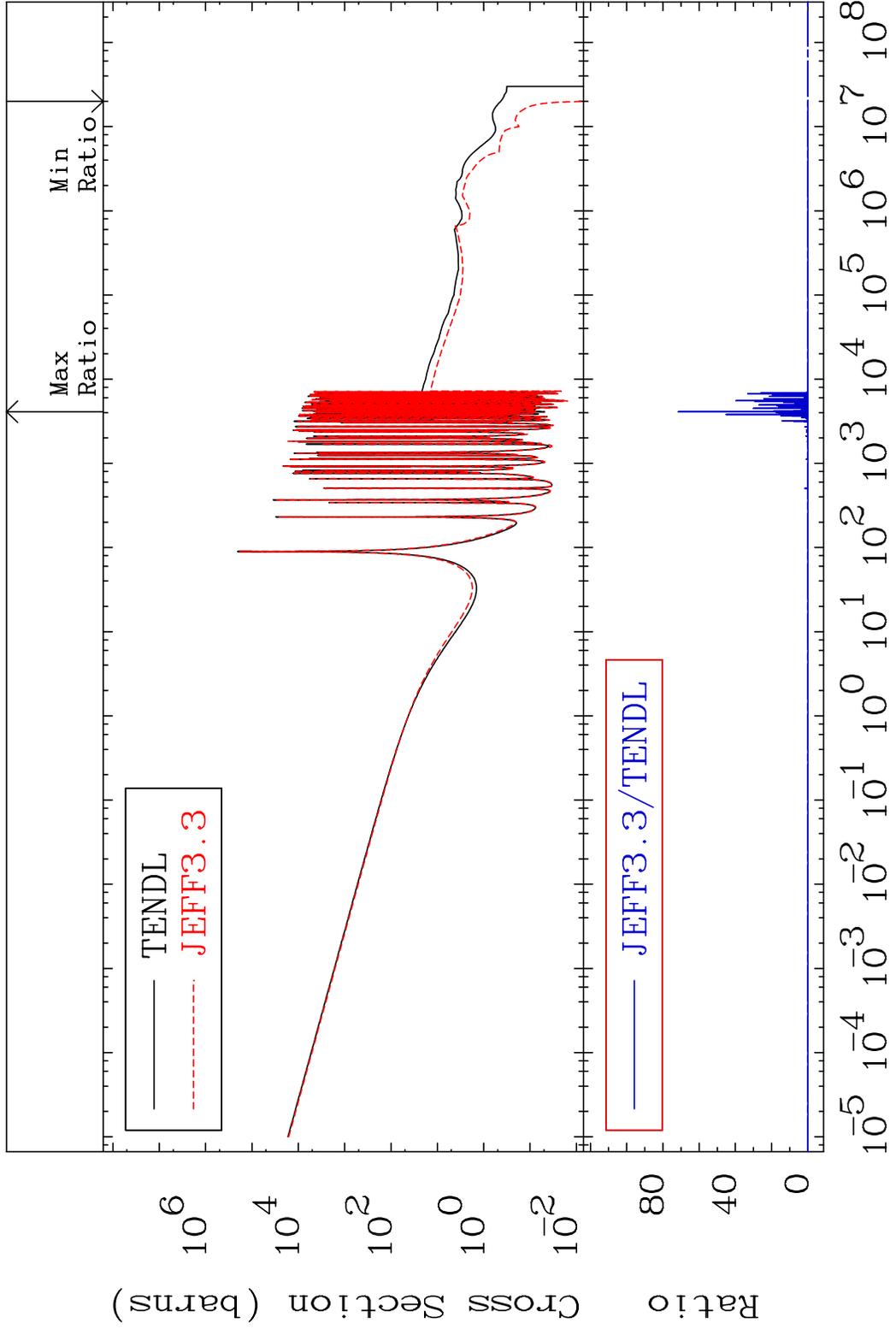


39 Incident Energy (eV) 48-Cd-110

MAT 4837 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-110  
 Cross Section -100.0 To 9999. %

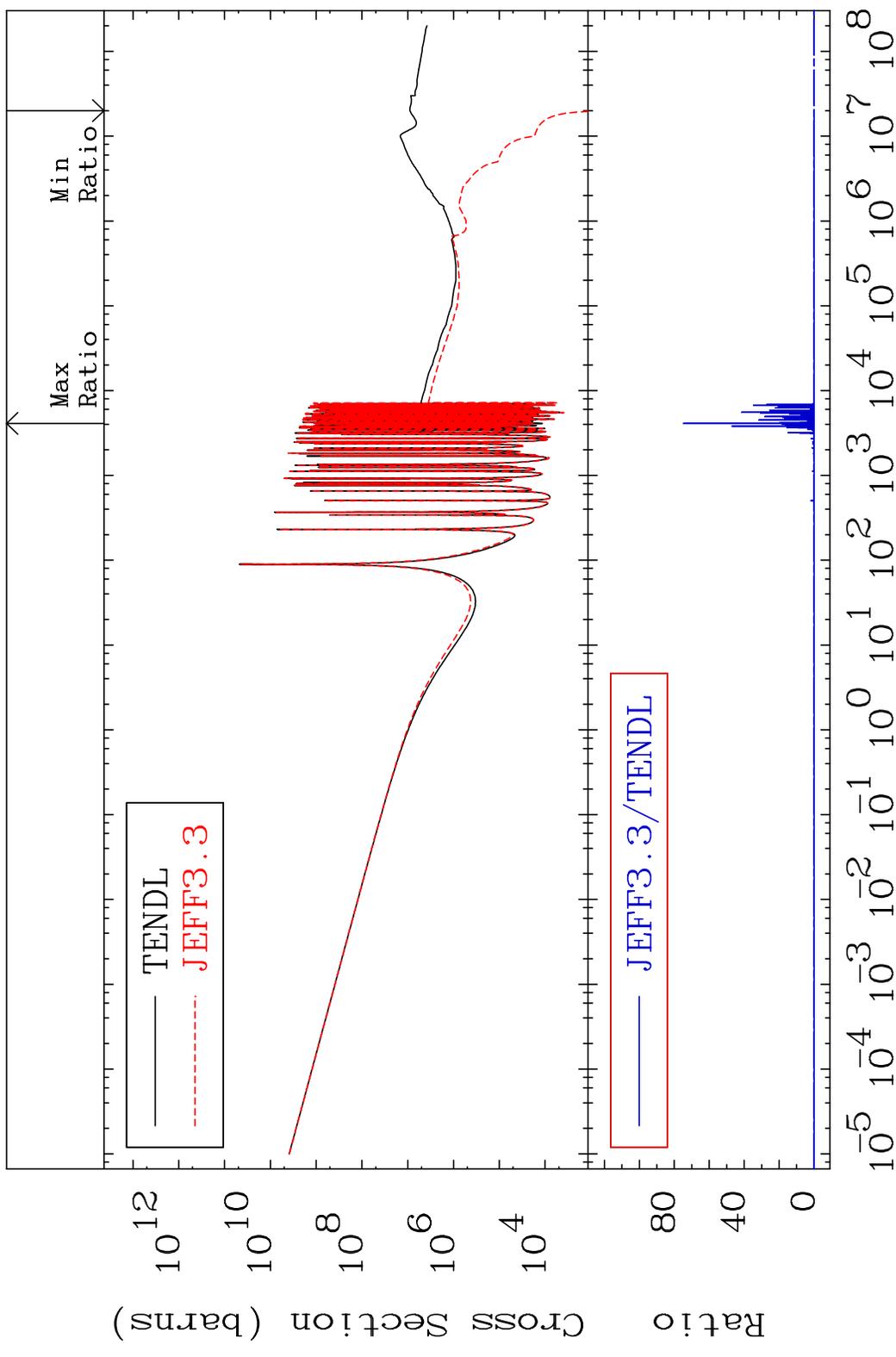


MAT 4837 Kerma capture (mt102) 48-Cd-110  
 Cross Section -100.0 To 9999. %



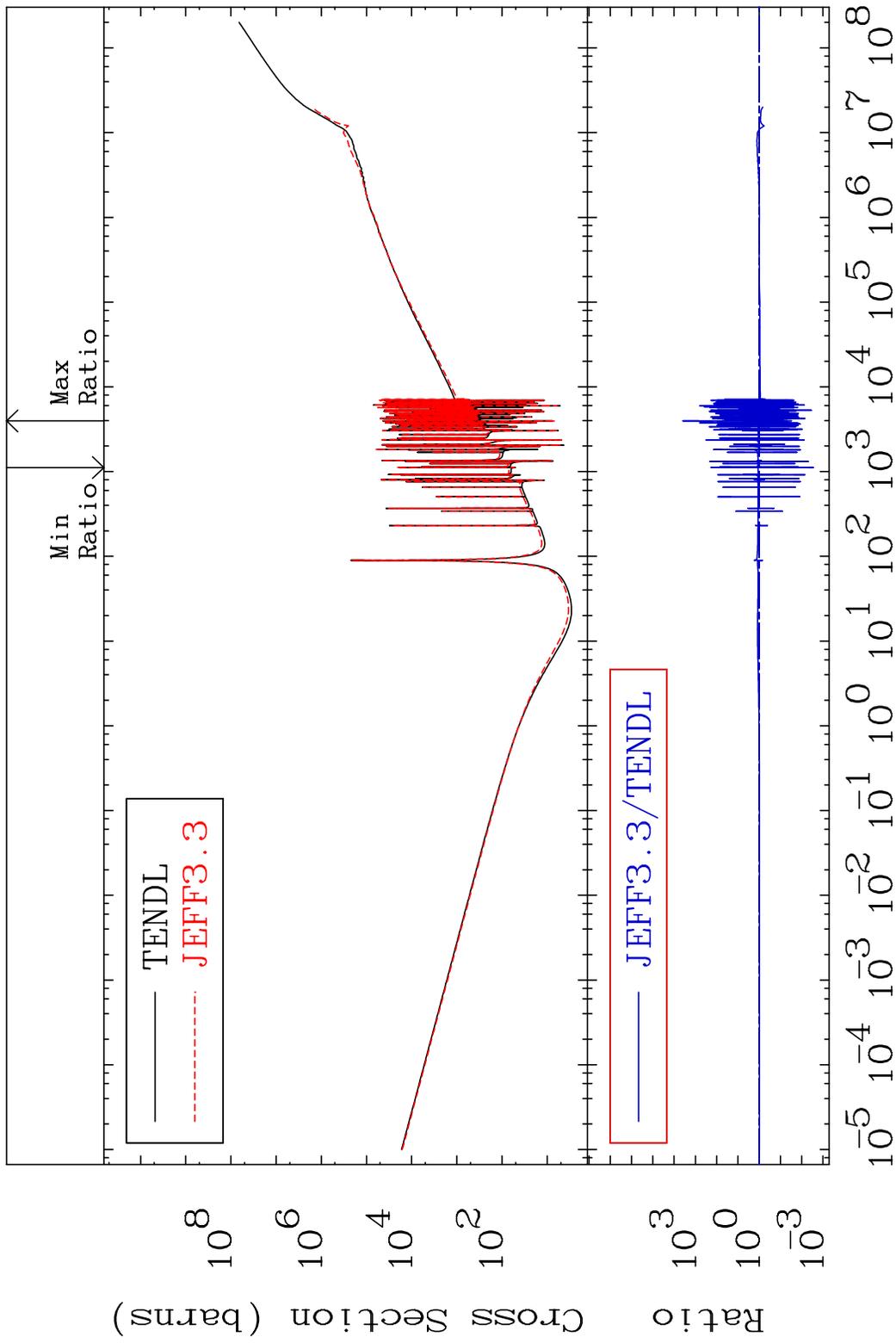
41 Incident Energy (eV) 48-Cd-110

MAT 4837 Total photon (eV-barns) 48-Cd-110  
 Cross Section -100.0 To 9999. %

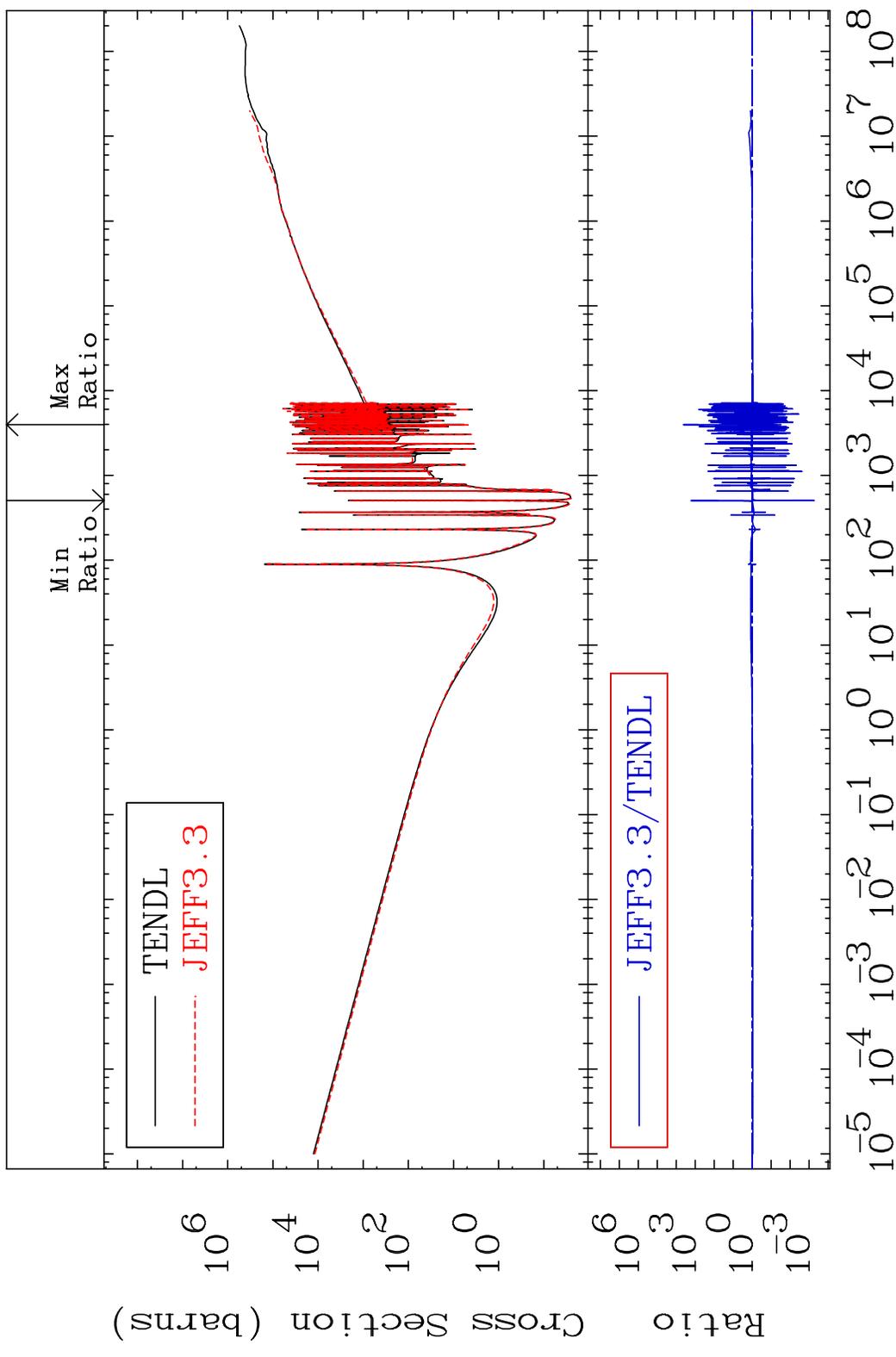


42 Incident Energy (eV) 48-Cd-110

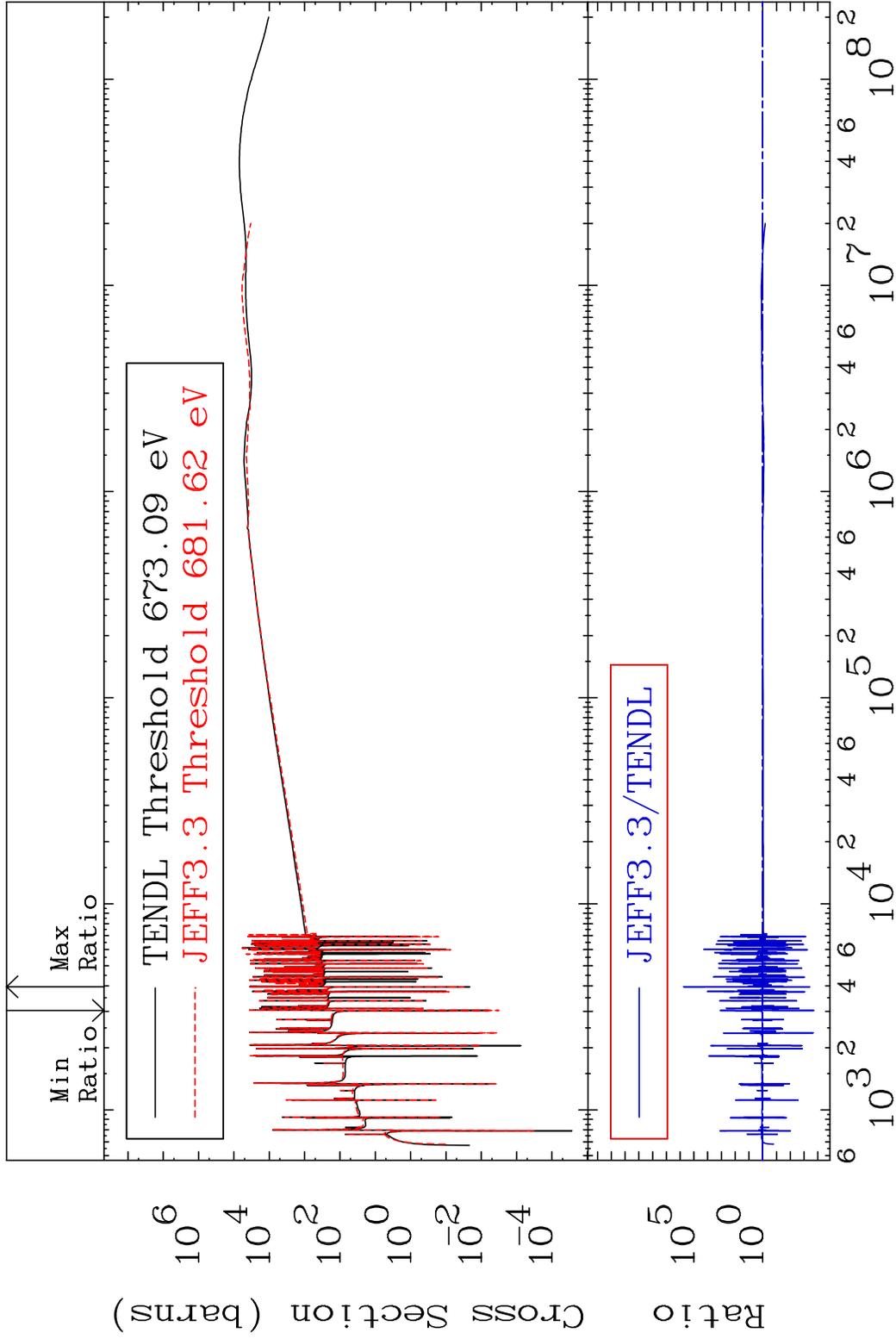
MAT 4837 Total kinematic kerma (high limit) 48-Cd-110  
 Cross Section -99.71 To 9999. %



MAT 4837      Dpa total (eV-barns)      48-Cd-110  
 Cross Section      -99.95 To 9999. %



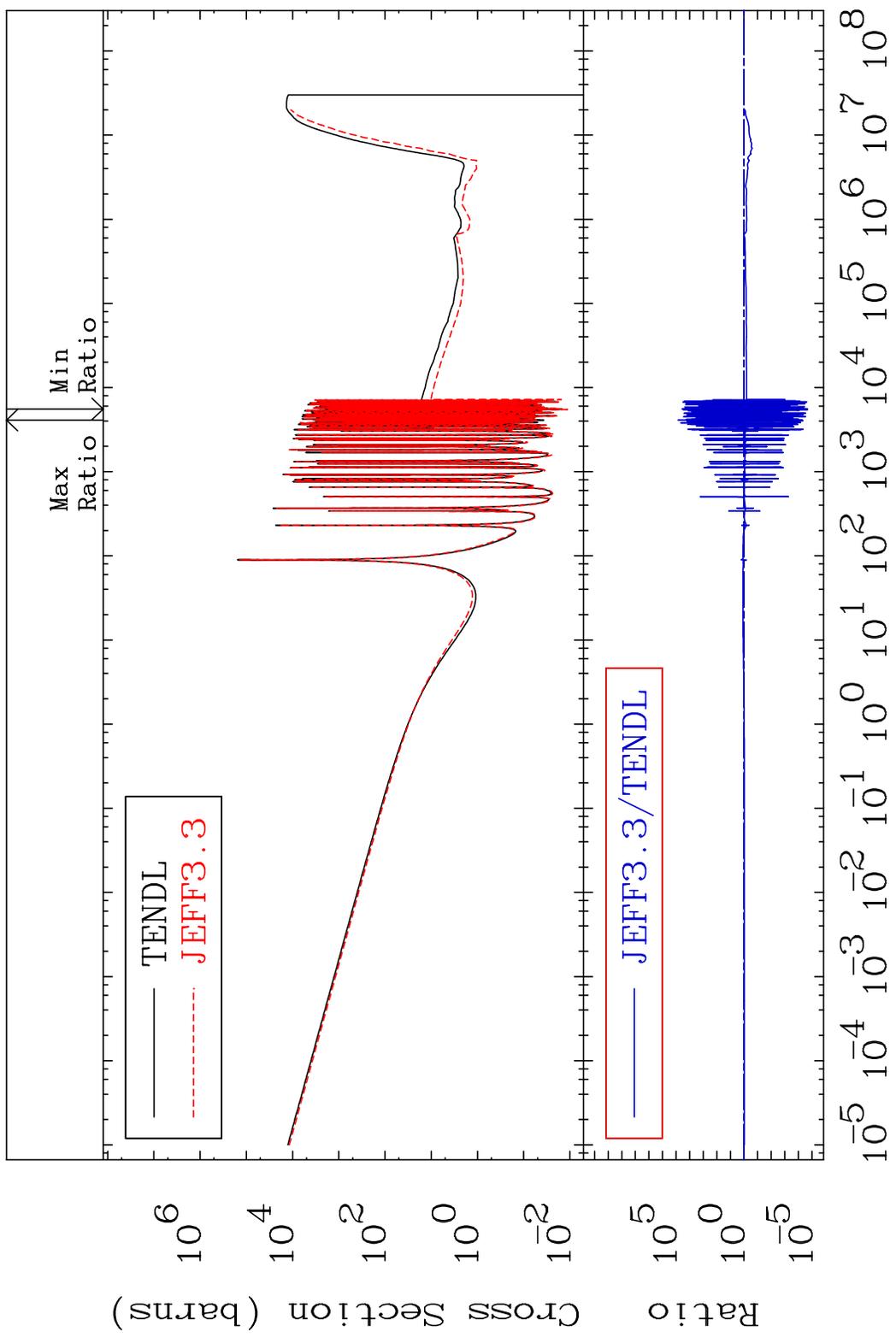
MAT 4837 Dpa elastic (mt2) 48-Cd-110  
Cross Section -99.98 To 9999. %



45 Incident Energy (eV) 48-Cd-110



MAT 4837 Dpa disappearance (mt102 -120) 48-Cd-110  
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 48-Cd-110