

Program Complot  
(Version 2021-1)

by

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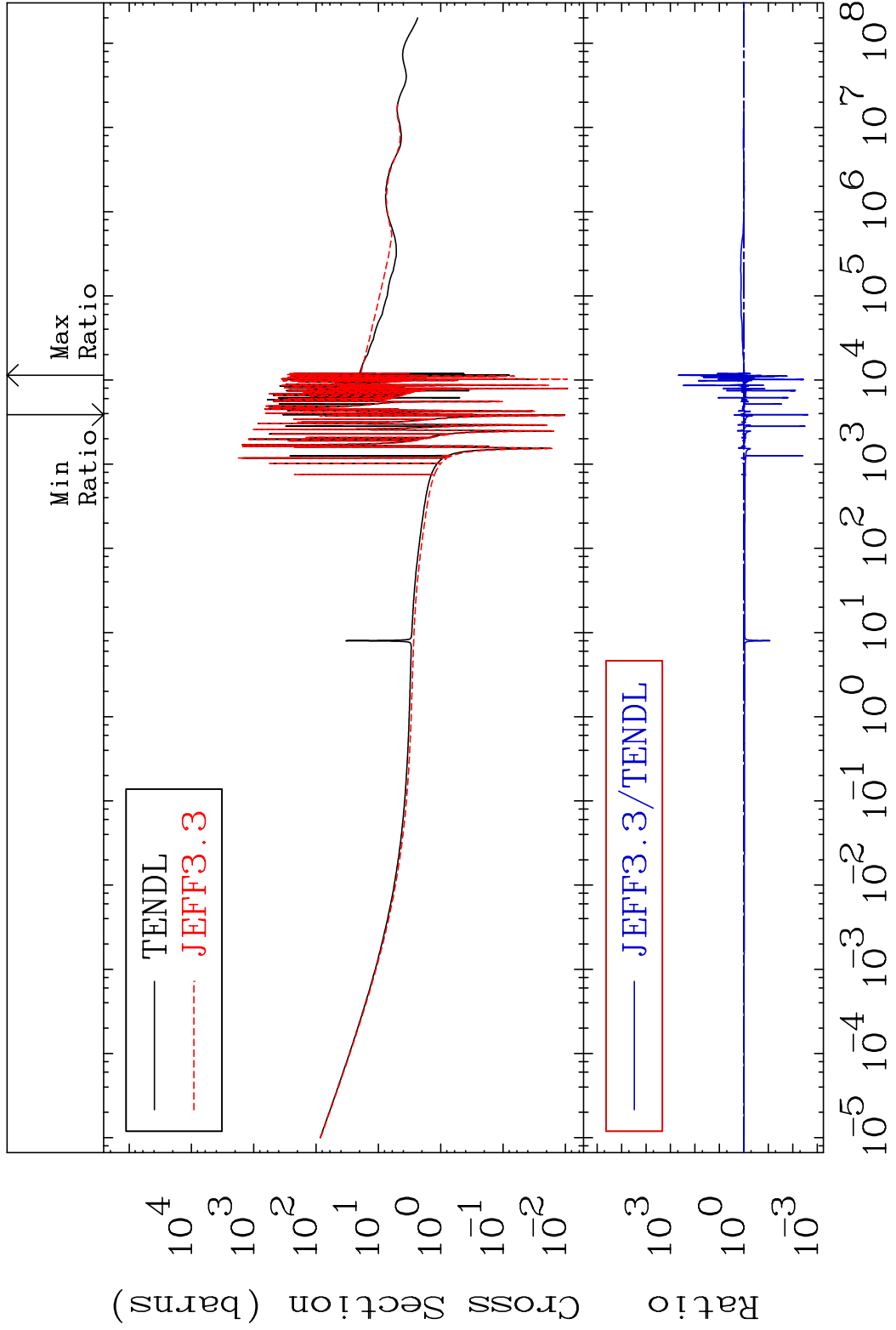
U.S.A.

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

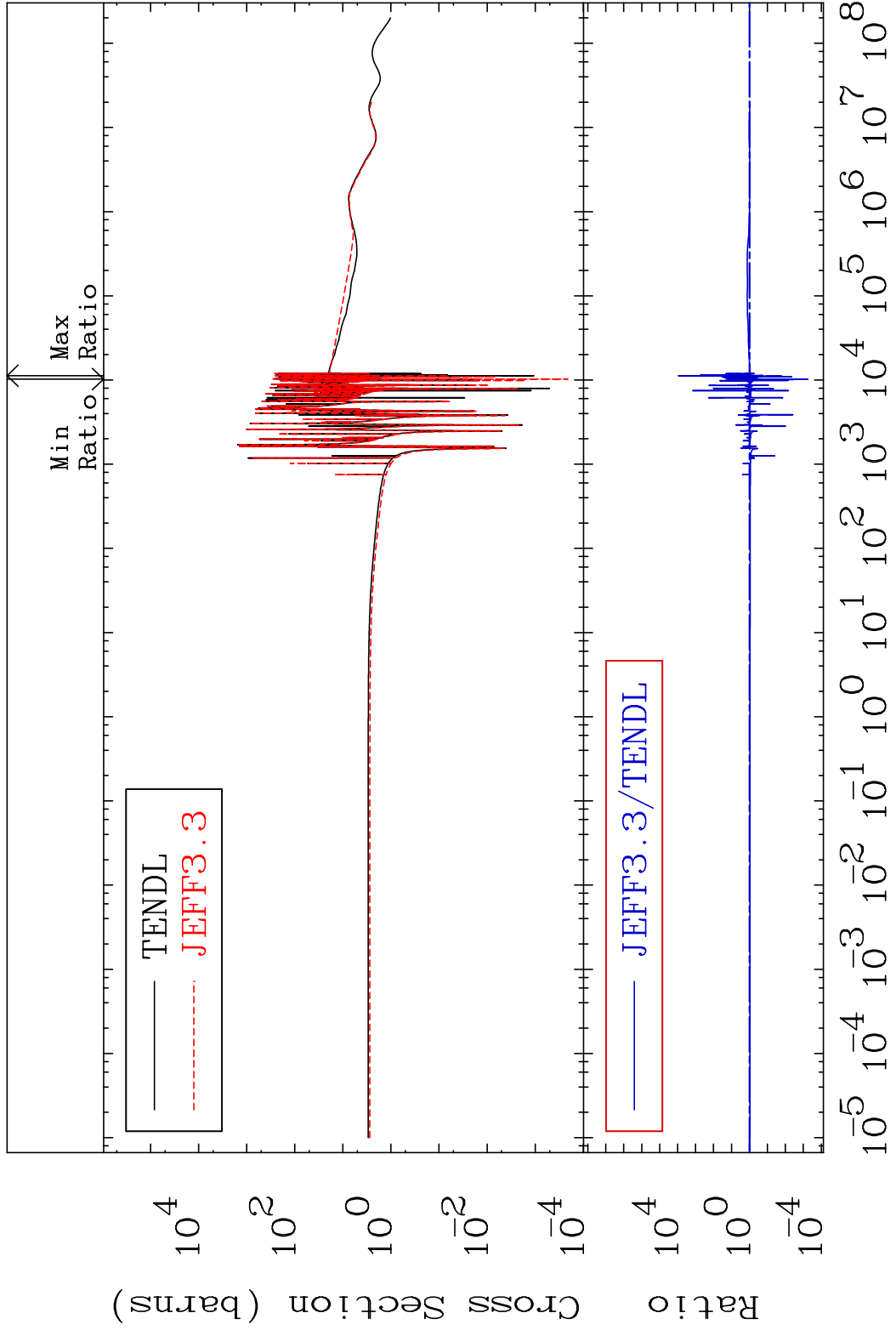
Press Mouse Button to Start

MAT 6225                      Total                      62-Sm-144  
 Cross Section                      -99.76 To 9999. %



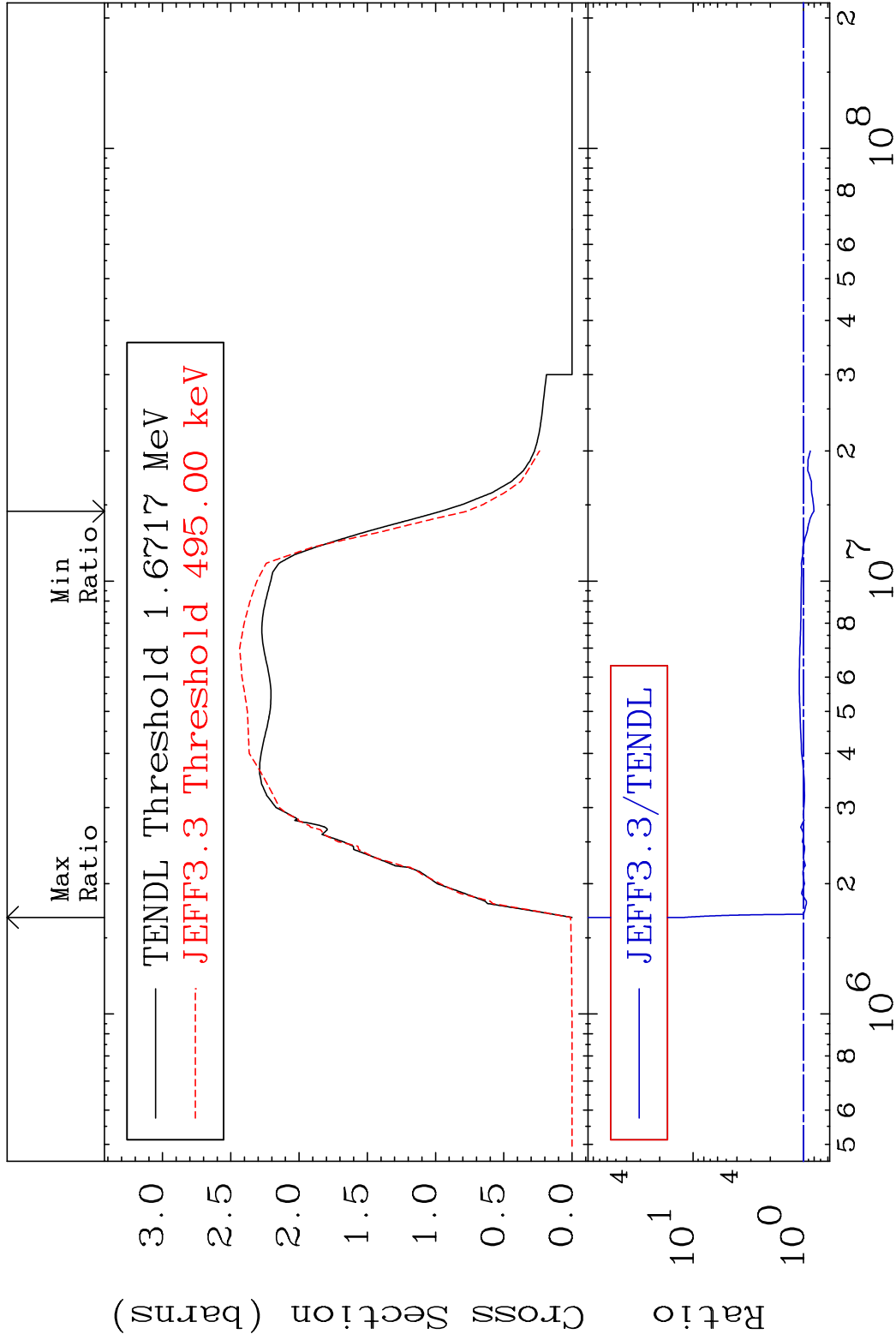
1                      Incident Energy (eV)                      62-Sm-144

MAT 6225 Elastic Cross Section 62-Sm-144  
 -99.94 To 9999. %



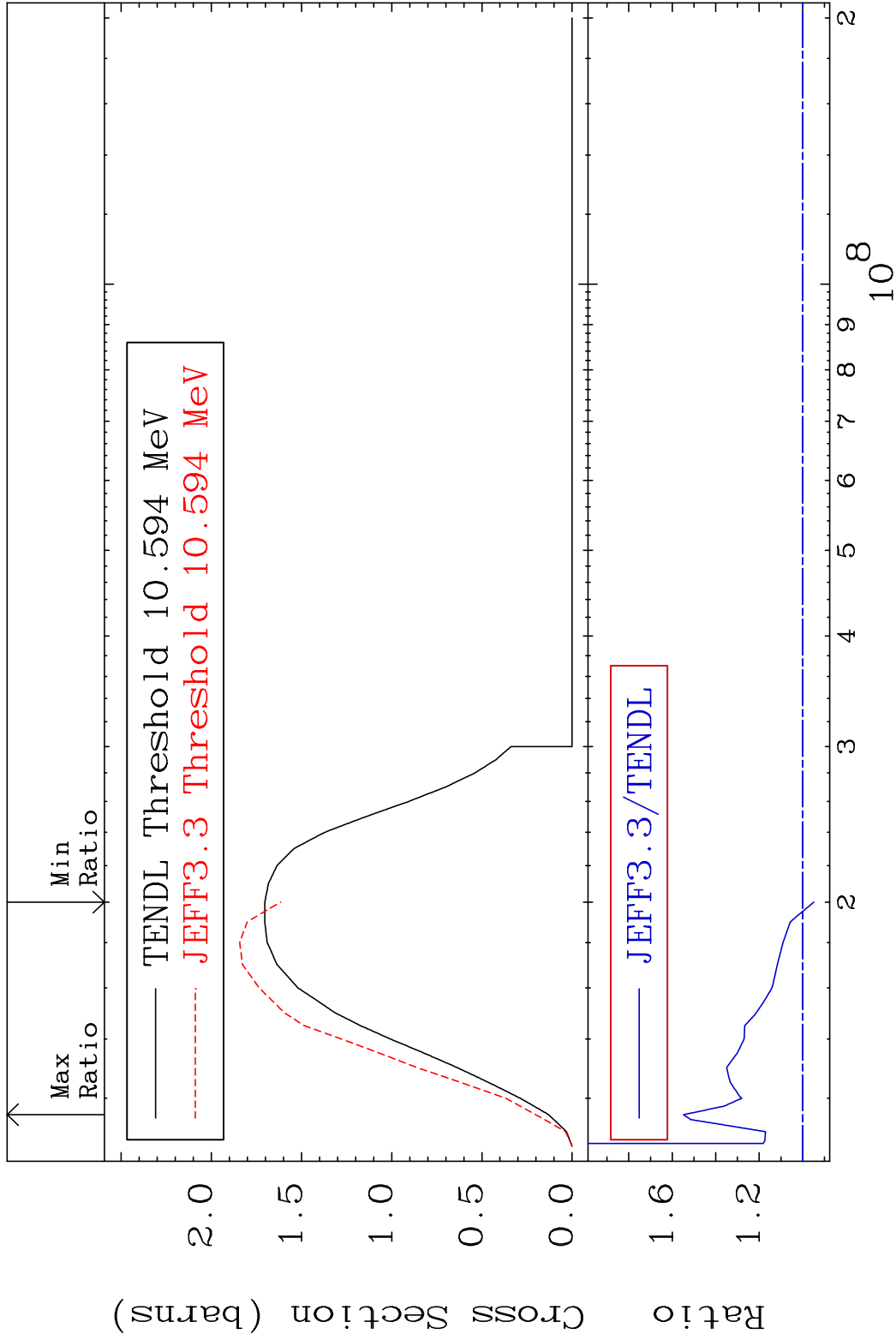
2 Incident Energy (eV) 62-Sm-144

MAT 6225 Inelastic 62-Sm-144  
 Cross Section -19.57 To 1121. %



3 Incident Energy (eV) 62-Sm-144

MAT 6225 (n,2n) 62-Sm-144  
 Cross Section -5.145 To 54.84 %

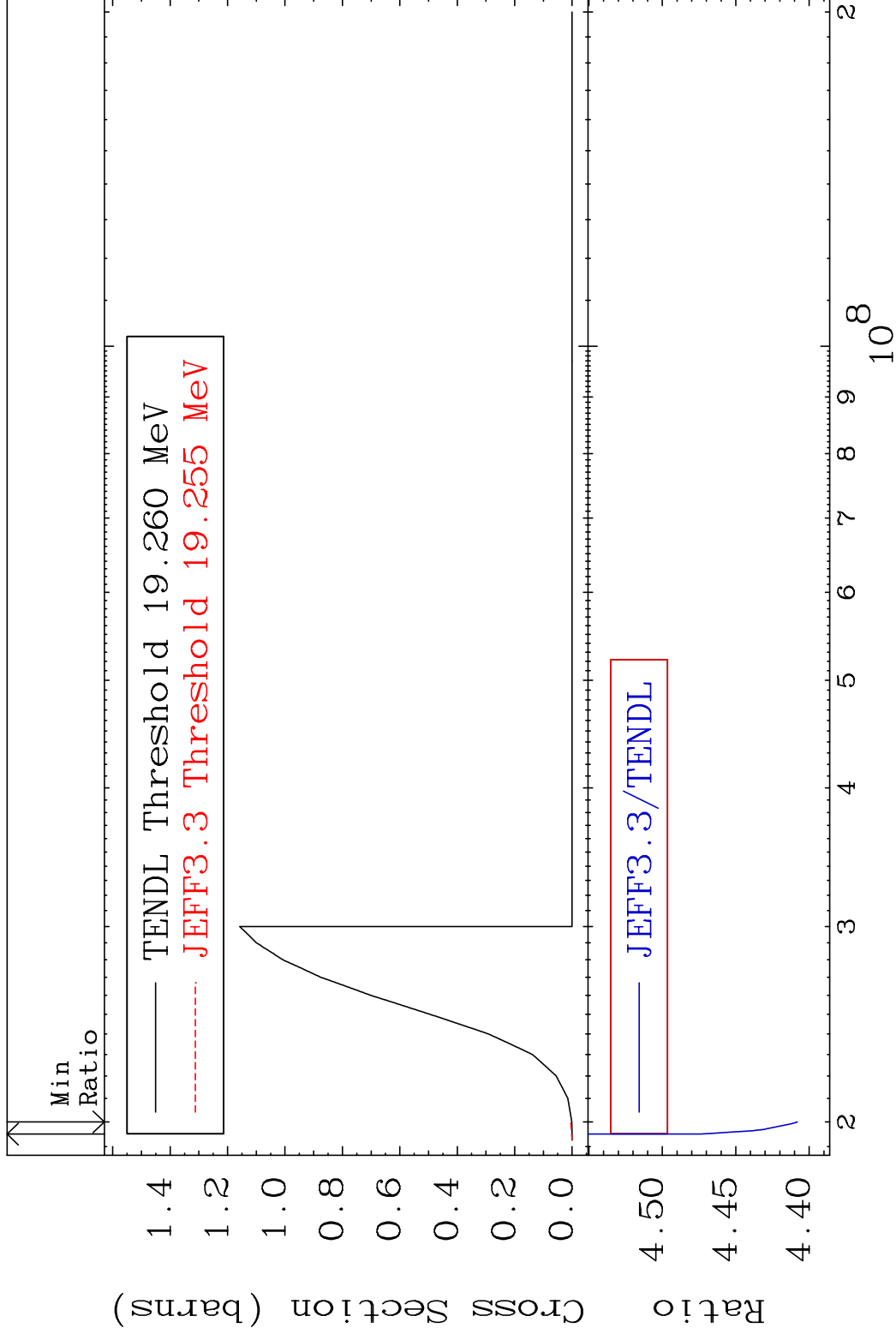


MAT 6225

(n,3n)

62-Sm-144

Cross Section 340.8 To 347.4 %

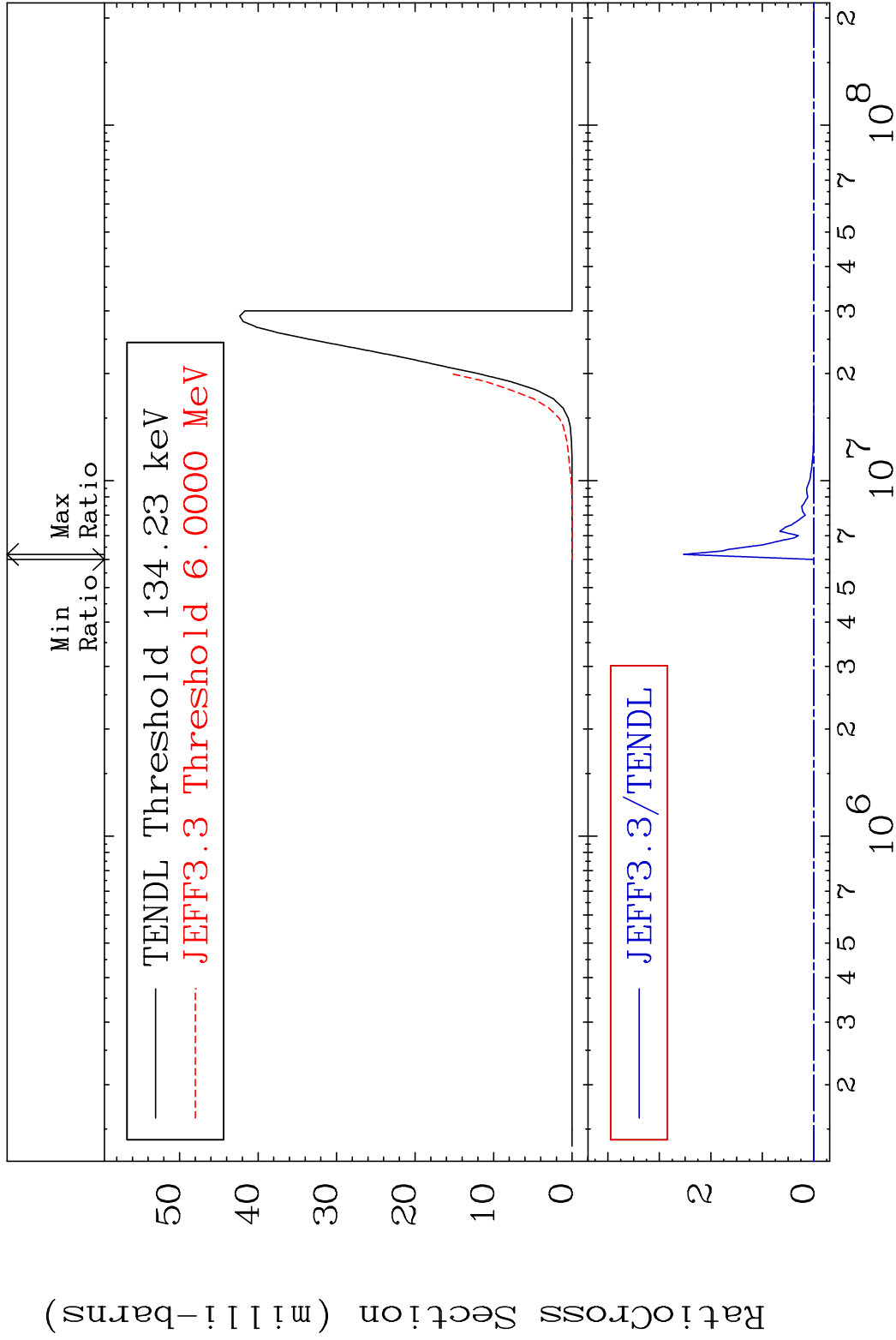


5

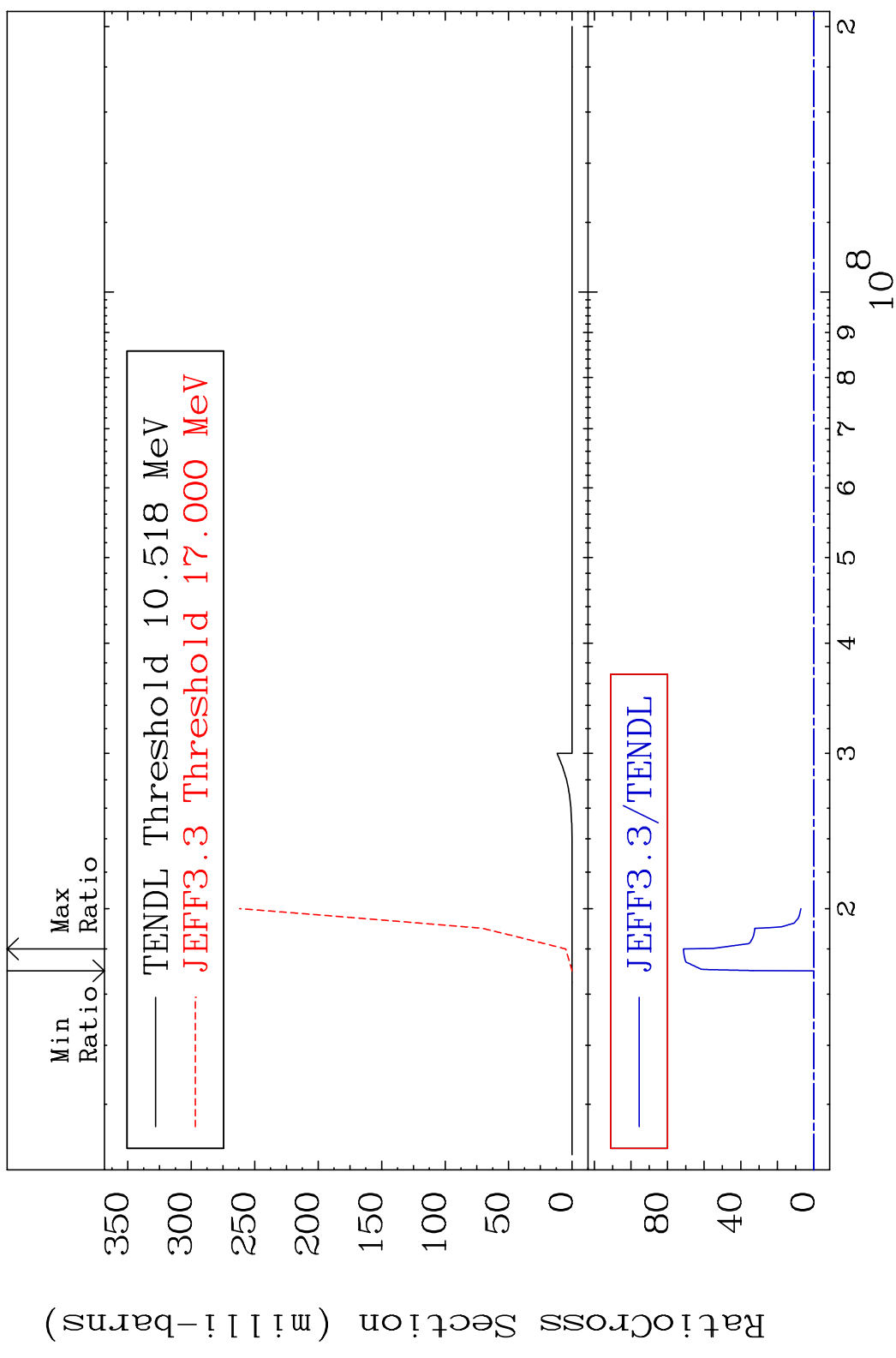
Incident Energy (eV)

62-Sm-144

MAT 6225 (n, n')  $\alpha$  62-Sm-144  
 Cross Section -100.0 To 9999. %



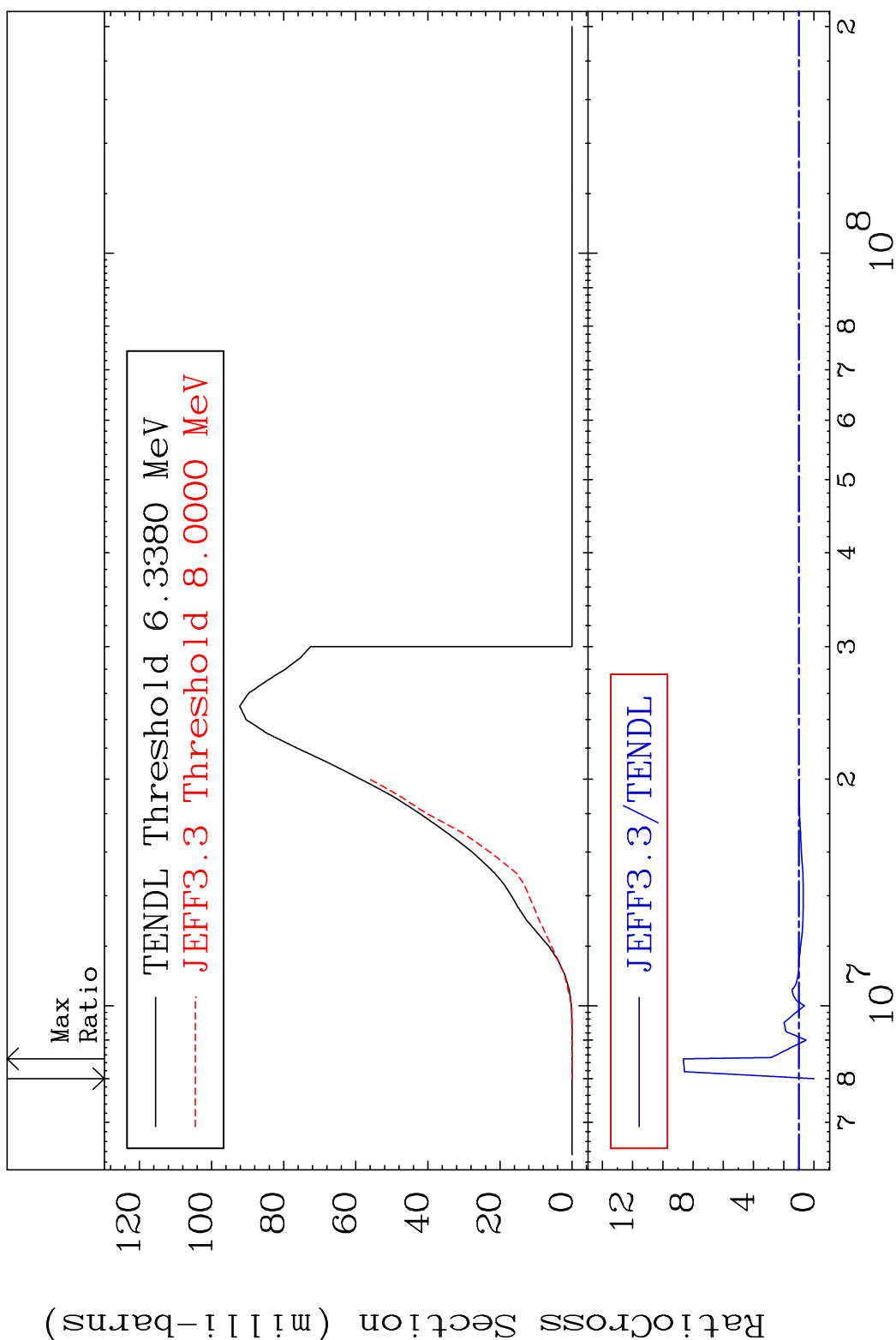
MAT 6225 (n,2n)  $\alpha$  62-Sm-144  
 Cross Section -100.0 To 9999. %



7 Incident Energy (eV) 62-Sm-144

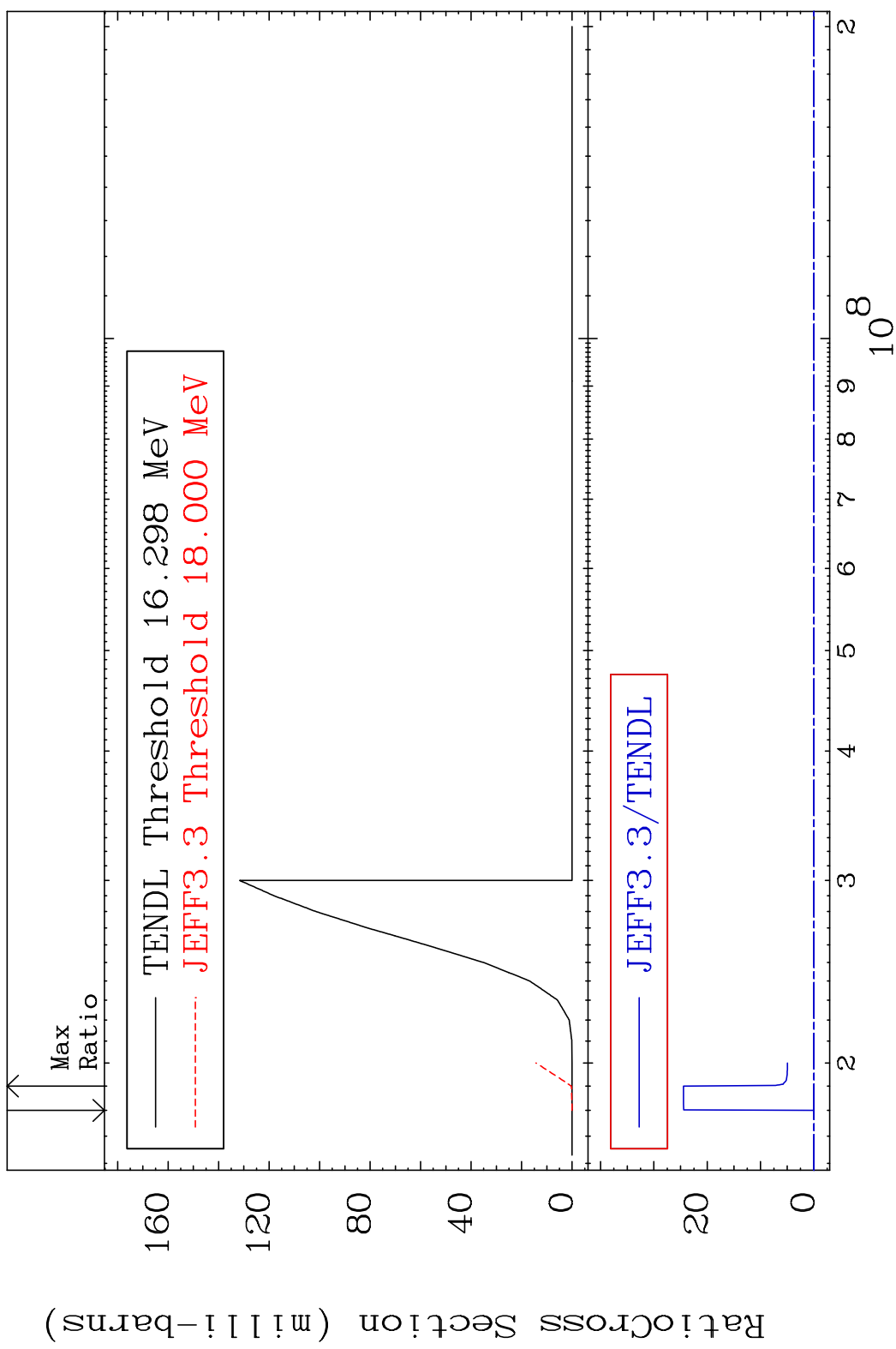


MAT 6225 (n, n') p 62-Sm-144  
Cross Section -100.0 To 763.4 %



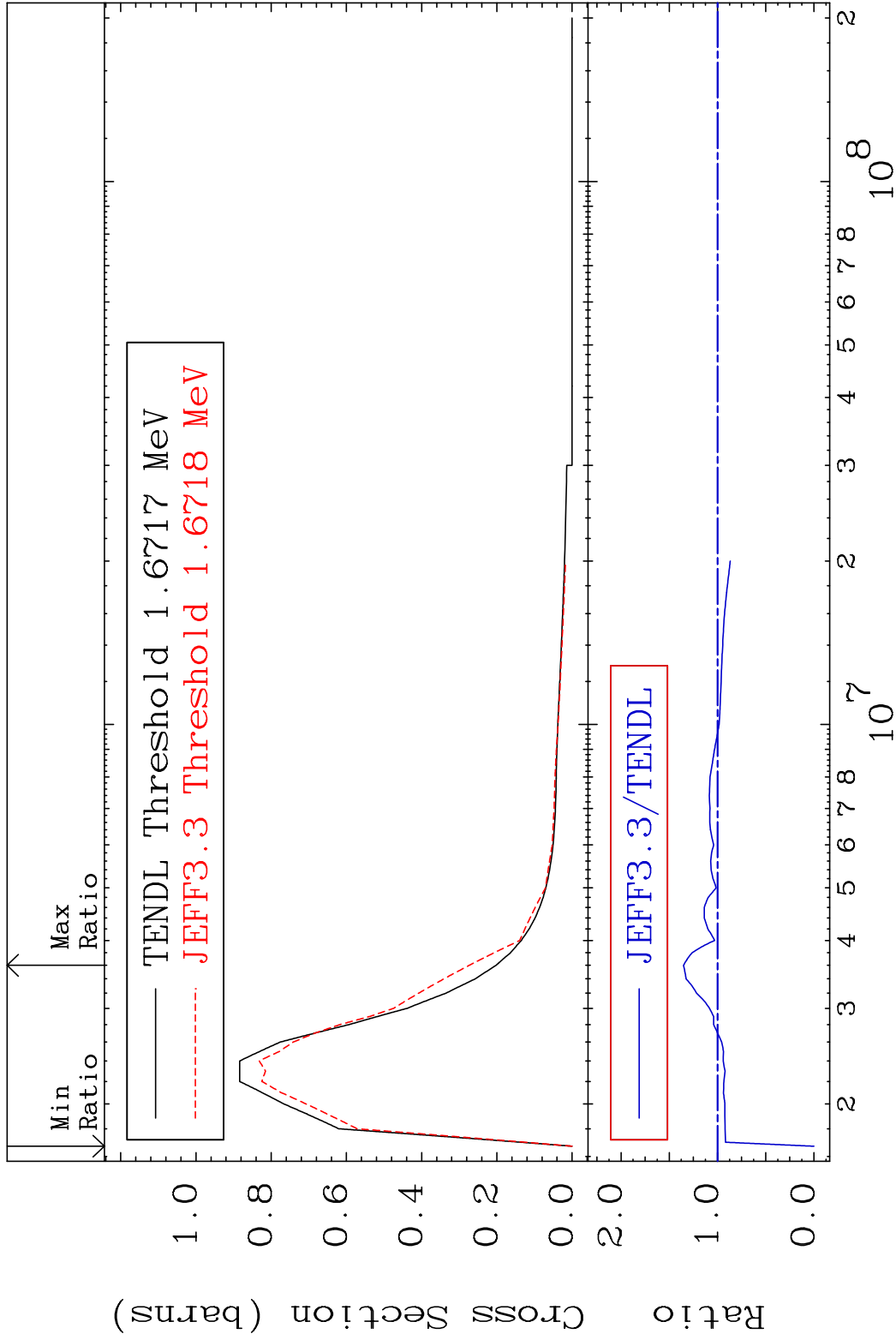
8 Incident Energy (eV) 62-Sm-144

MAT 6225 (n,2n) p 62-Sm-144  
 Cross Section -100.0 To 9999. %



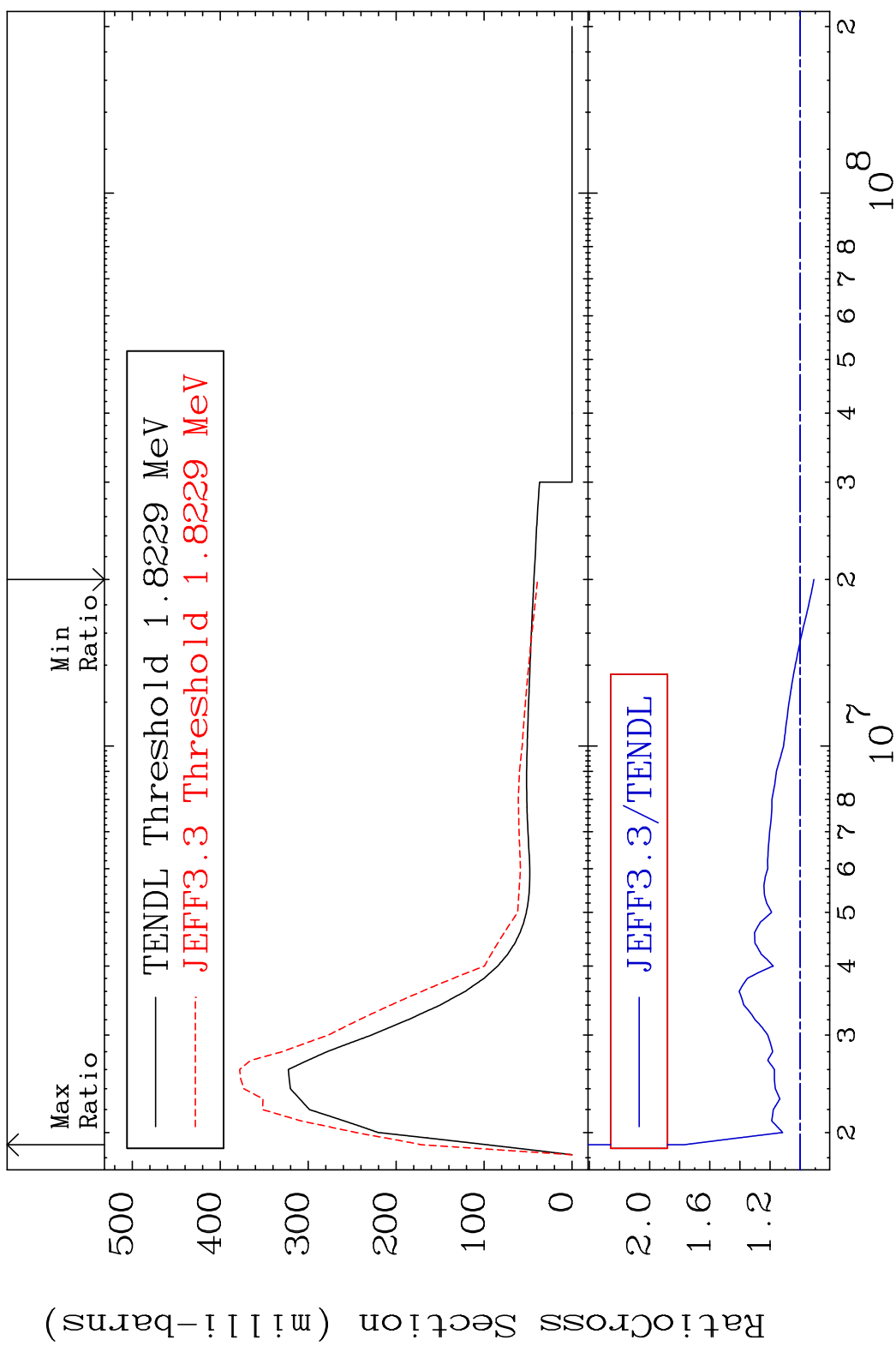
9 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 51 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 35.28 %



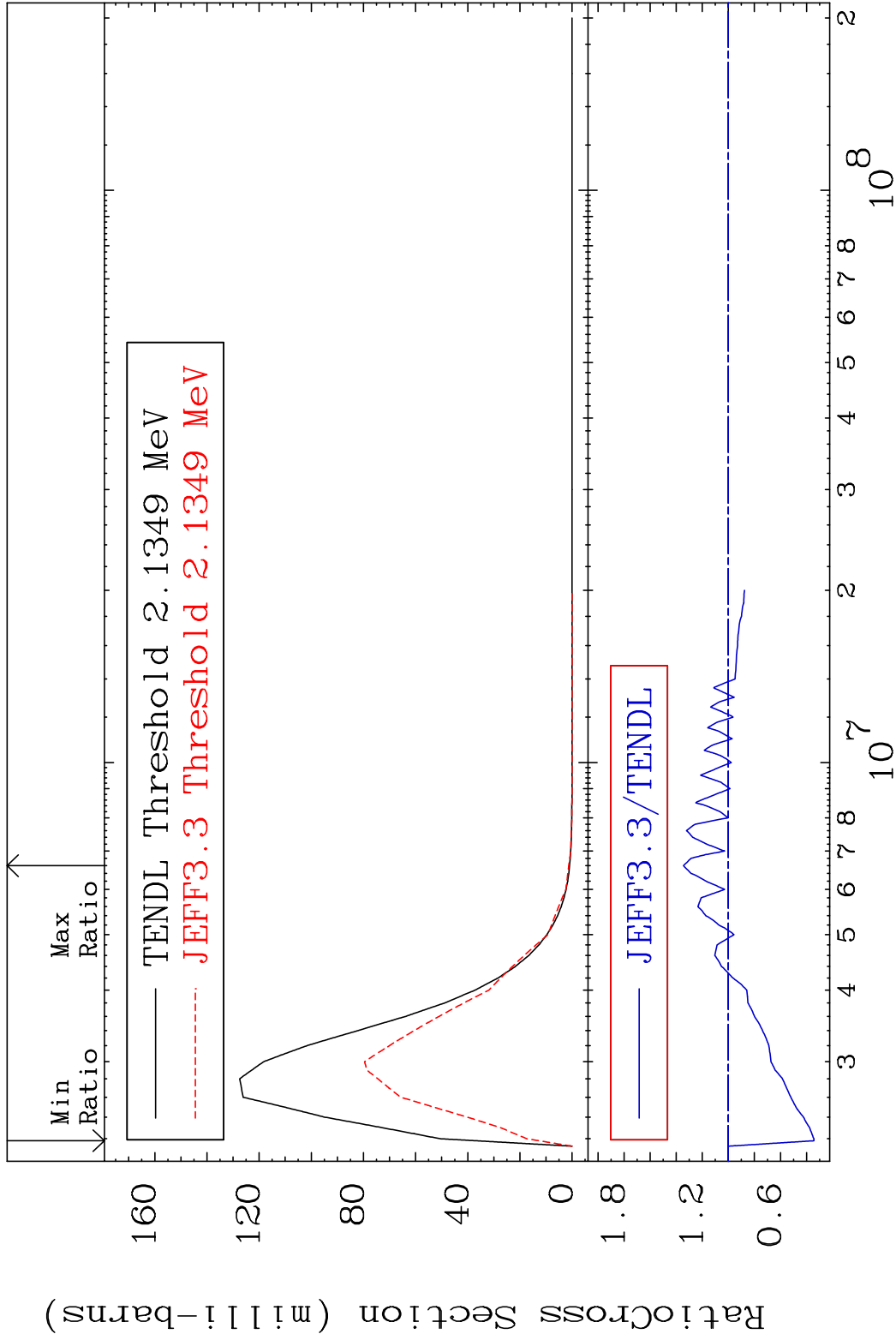
10 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 52 (n, n') Level 62-Sm-144  
 Cross Section -9.082 To 77.51 %



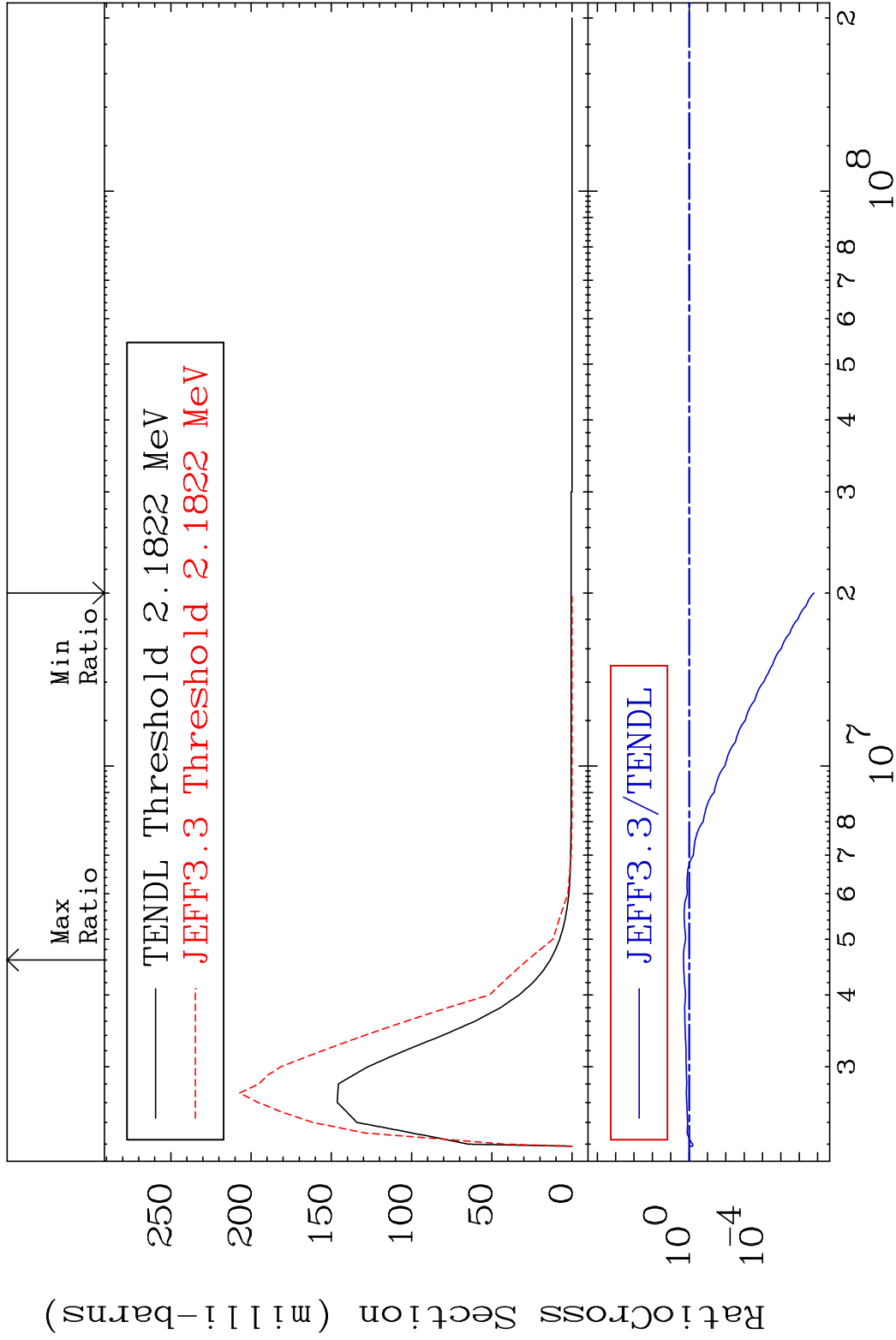
11 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 53 (n, n') Level 62-Sm-144  
 Cross Section -65.62 To 34.44 %



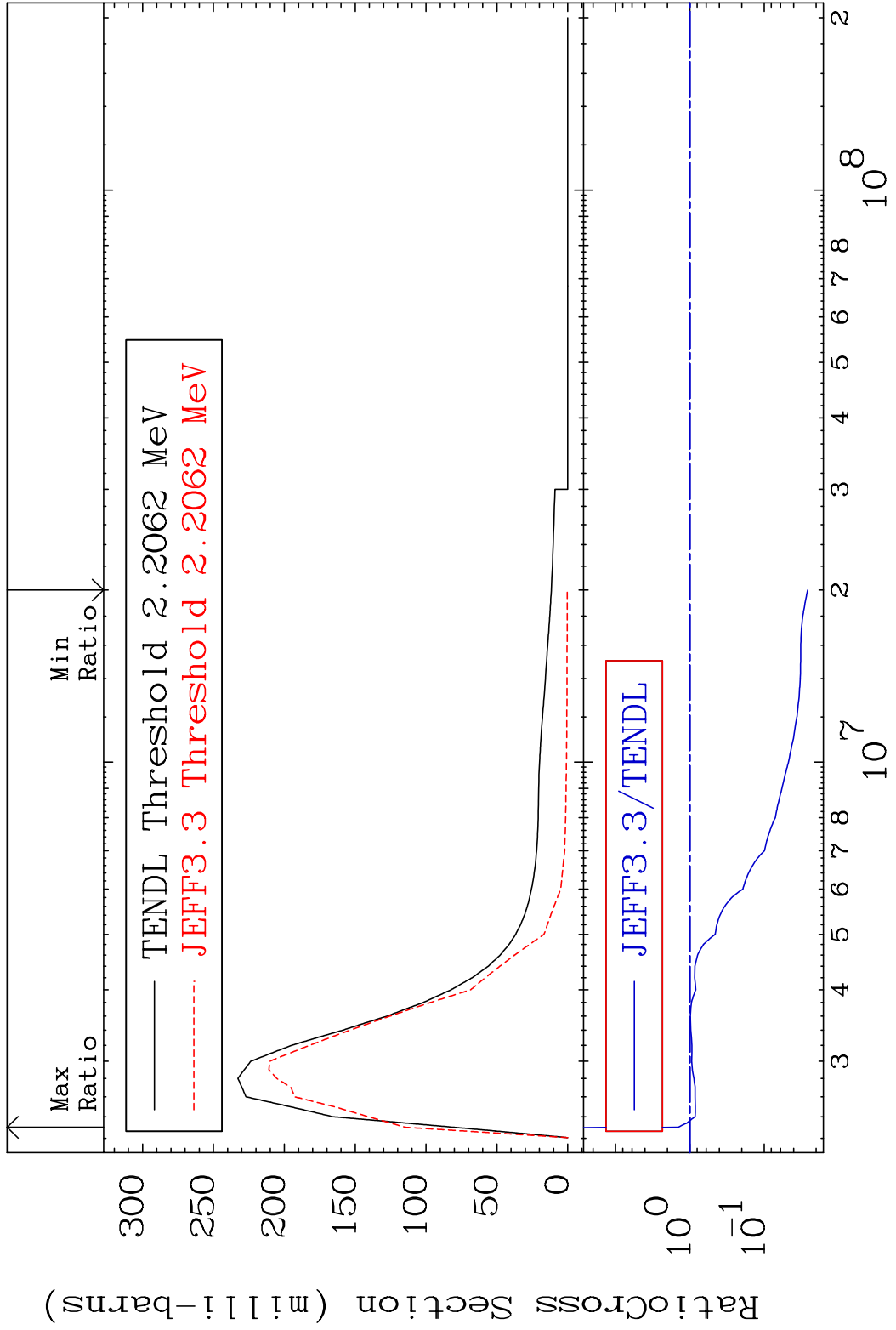
12 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 54 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 103.1 %



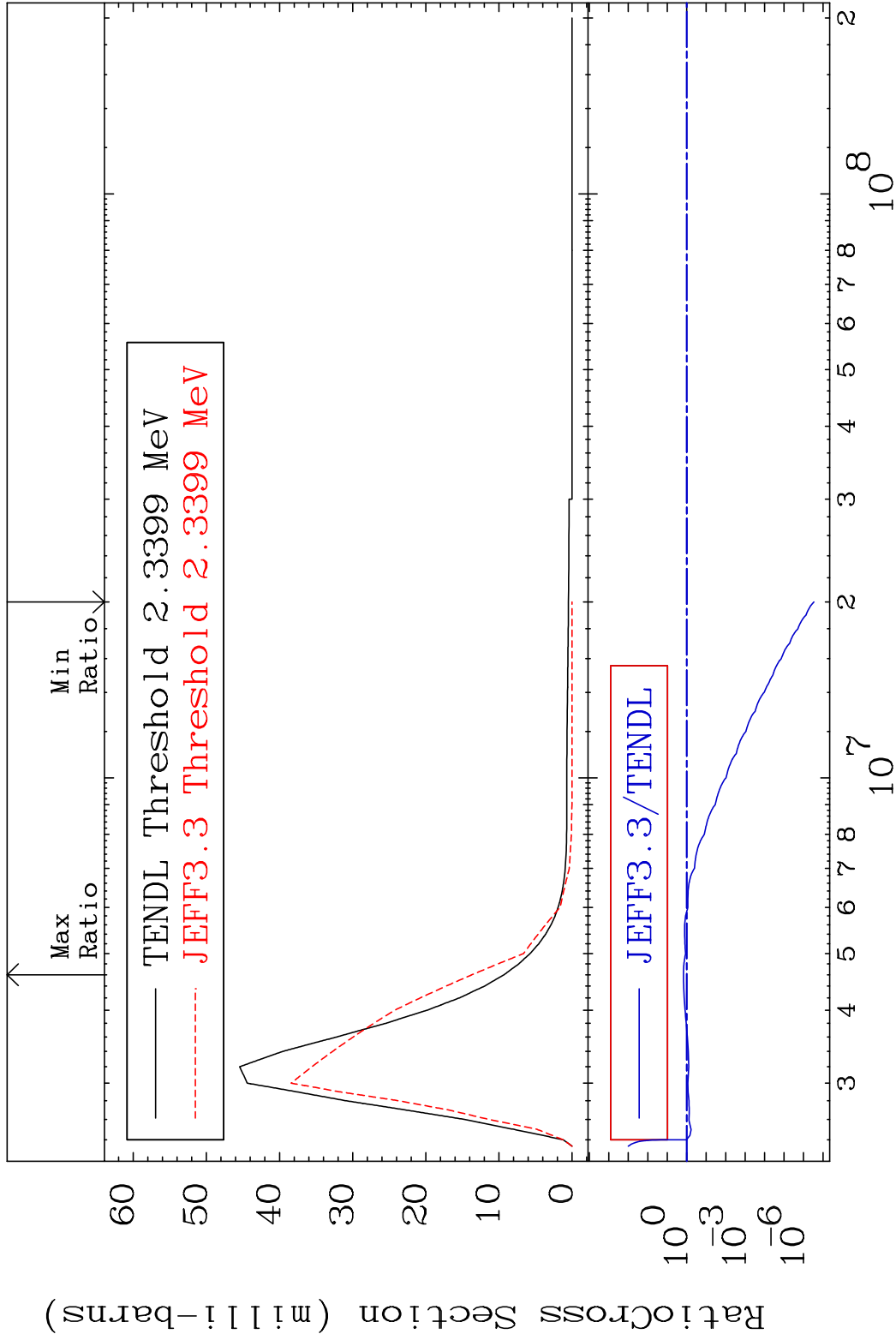
13 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 55 (n, n') Level 62-Sm-144  
 Cross Section -97.41 To 42.98 %



14 Incident Energy (eV) 62-Sm-144

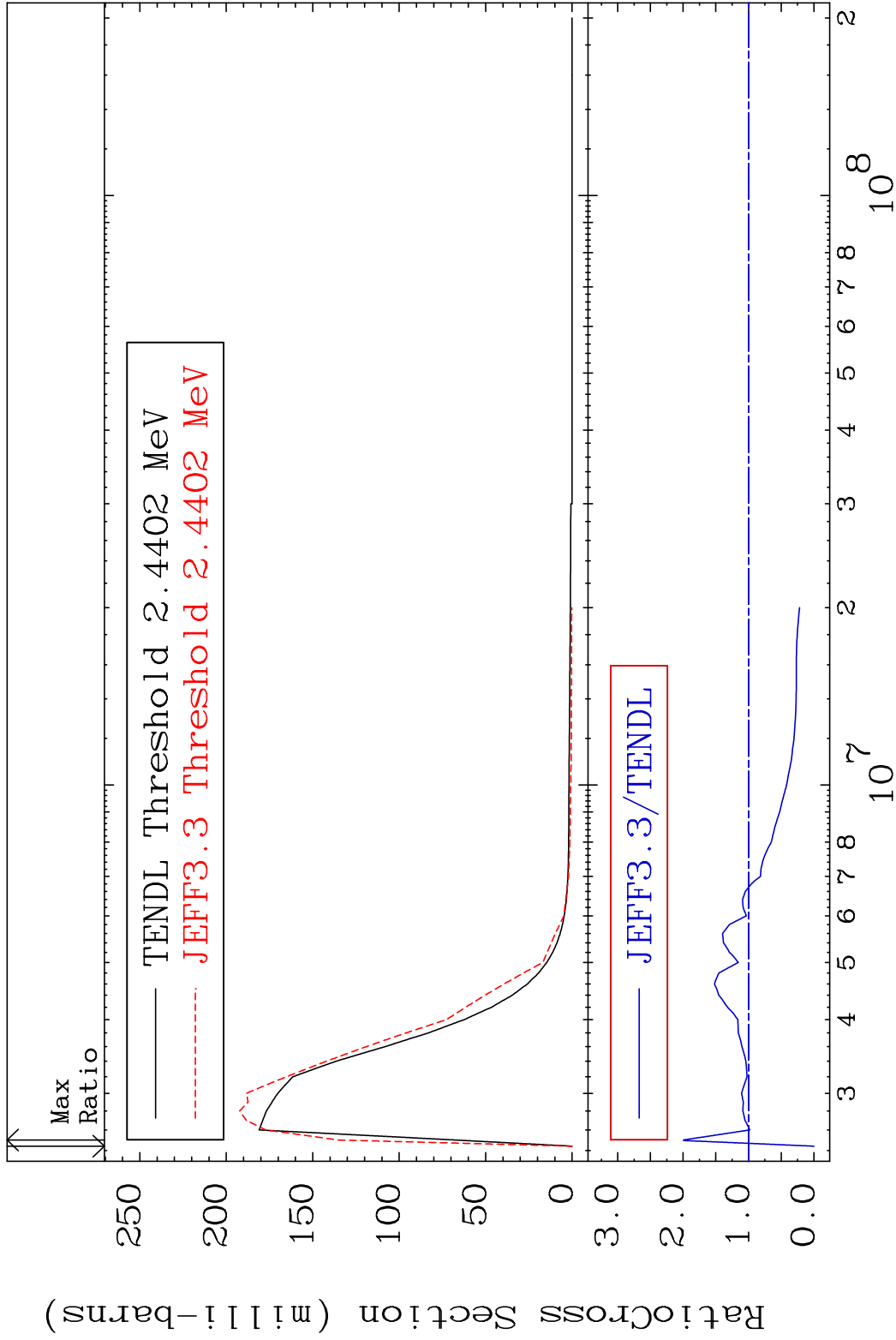
MAT 6225 MT= 56 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 46.92 %



15 Incident Energy (eV) 62-Sm-144

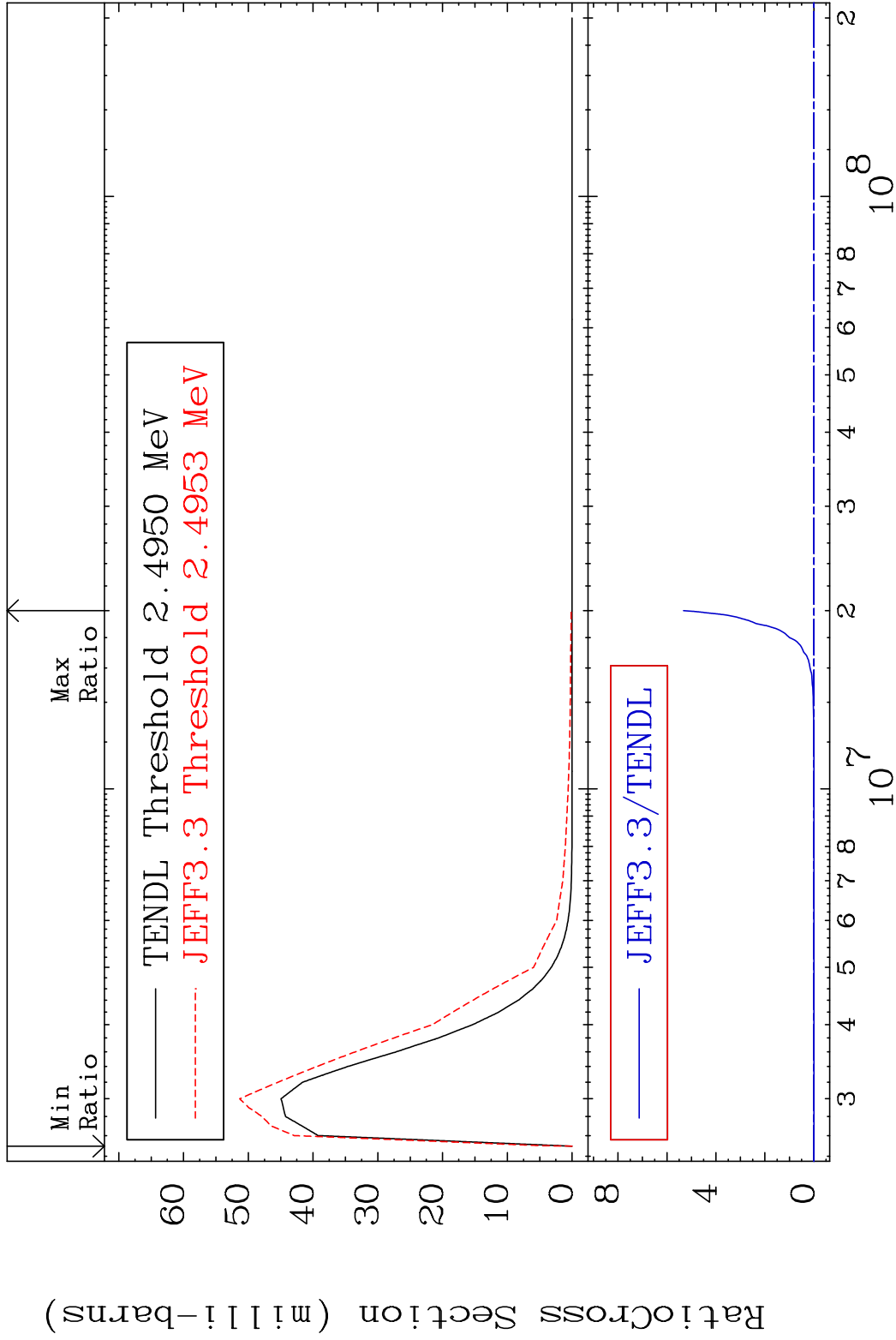


MAT 6225 MT= 57 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 99.49 %



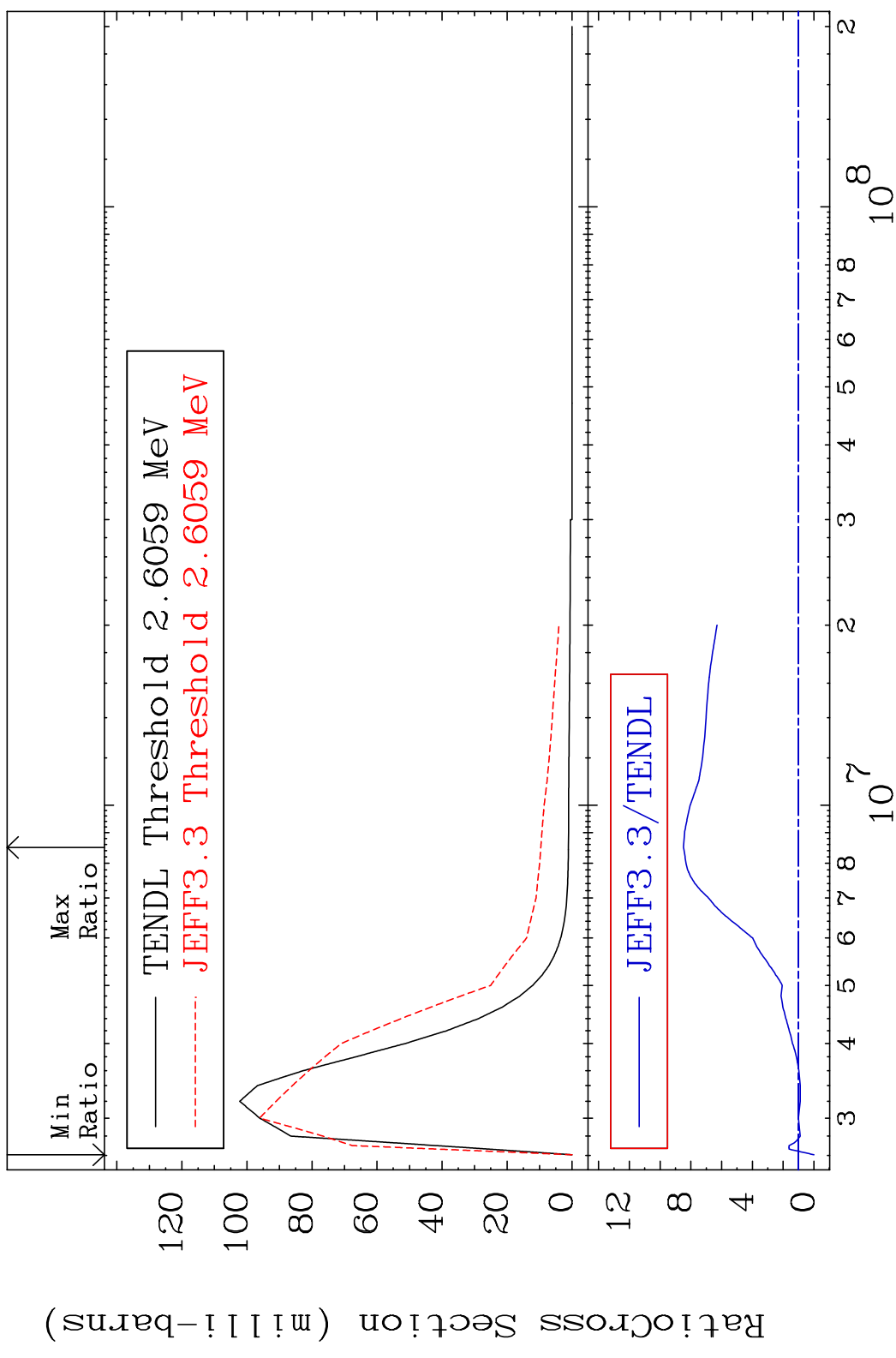
16 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 58 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 9999. %



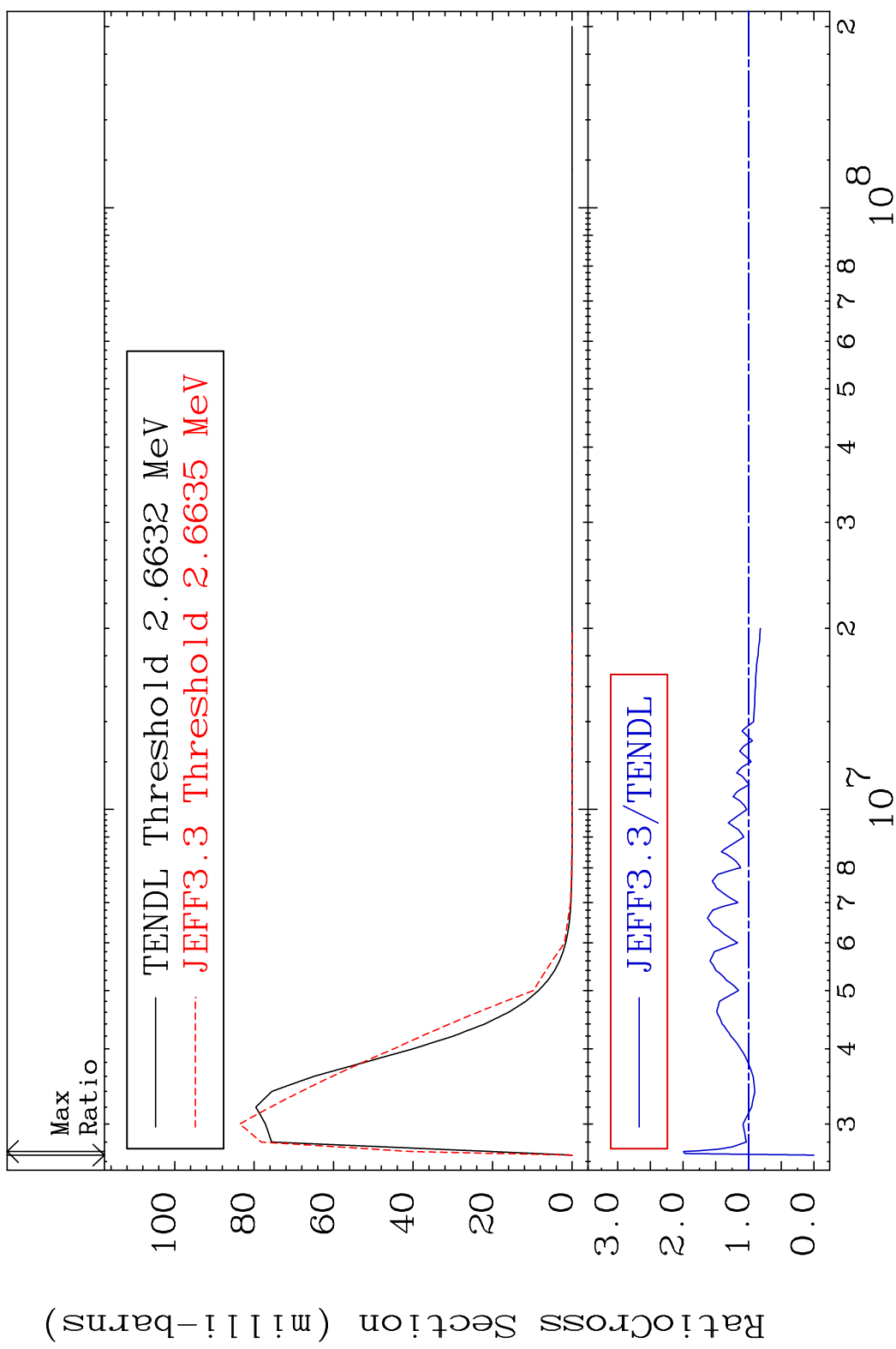
17 62-Sm-144

MAT 6225 MT= 59 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 748.2 %



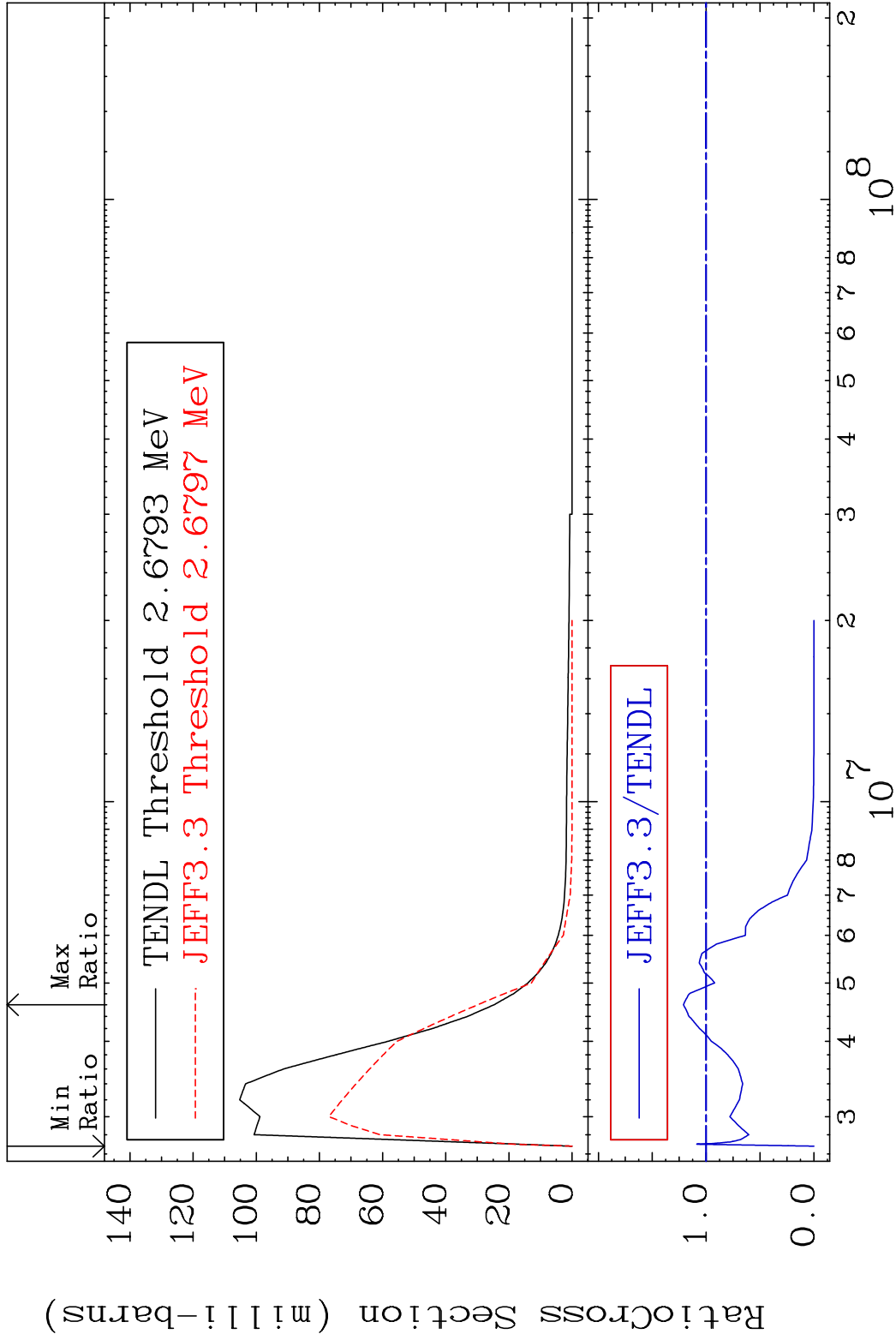
18 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 60 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 99.49 %



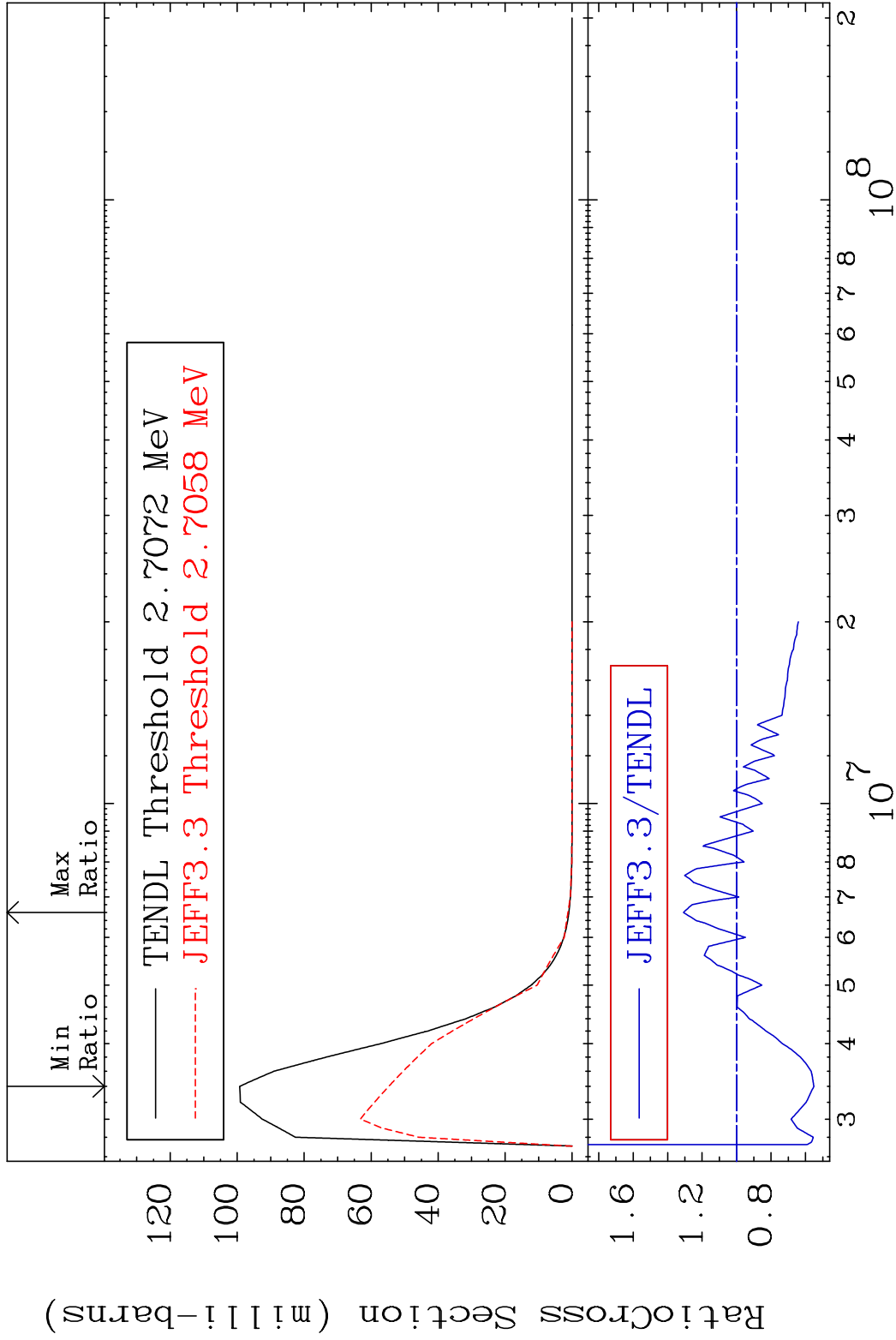
19 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 61 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 21.05 %



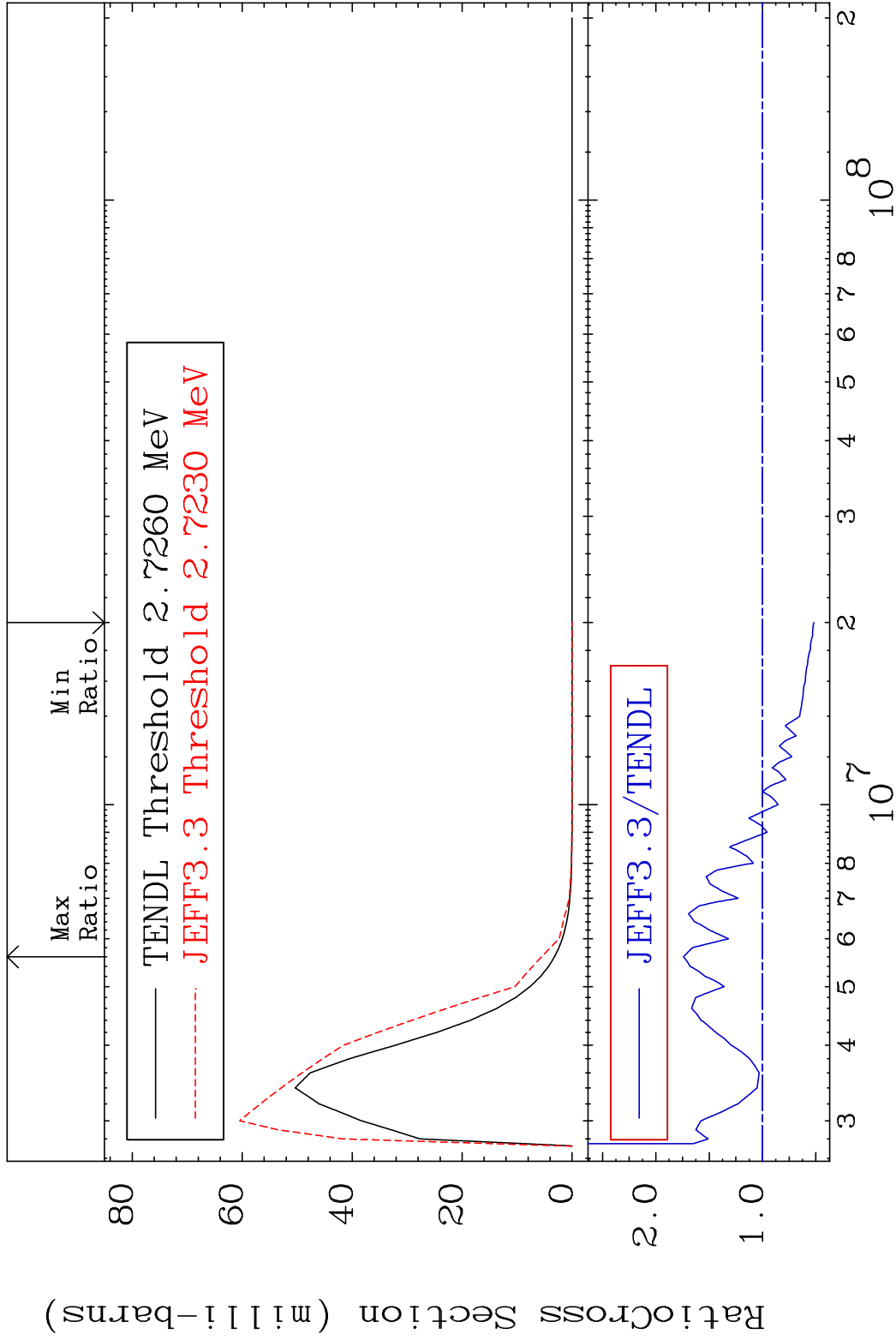
20 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 62 (n, n') Level 62-Sm-144  
 Cross Section -44.86 To 30.81 %



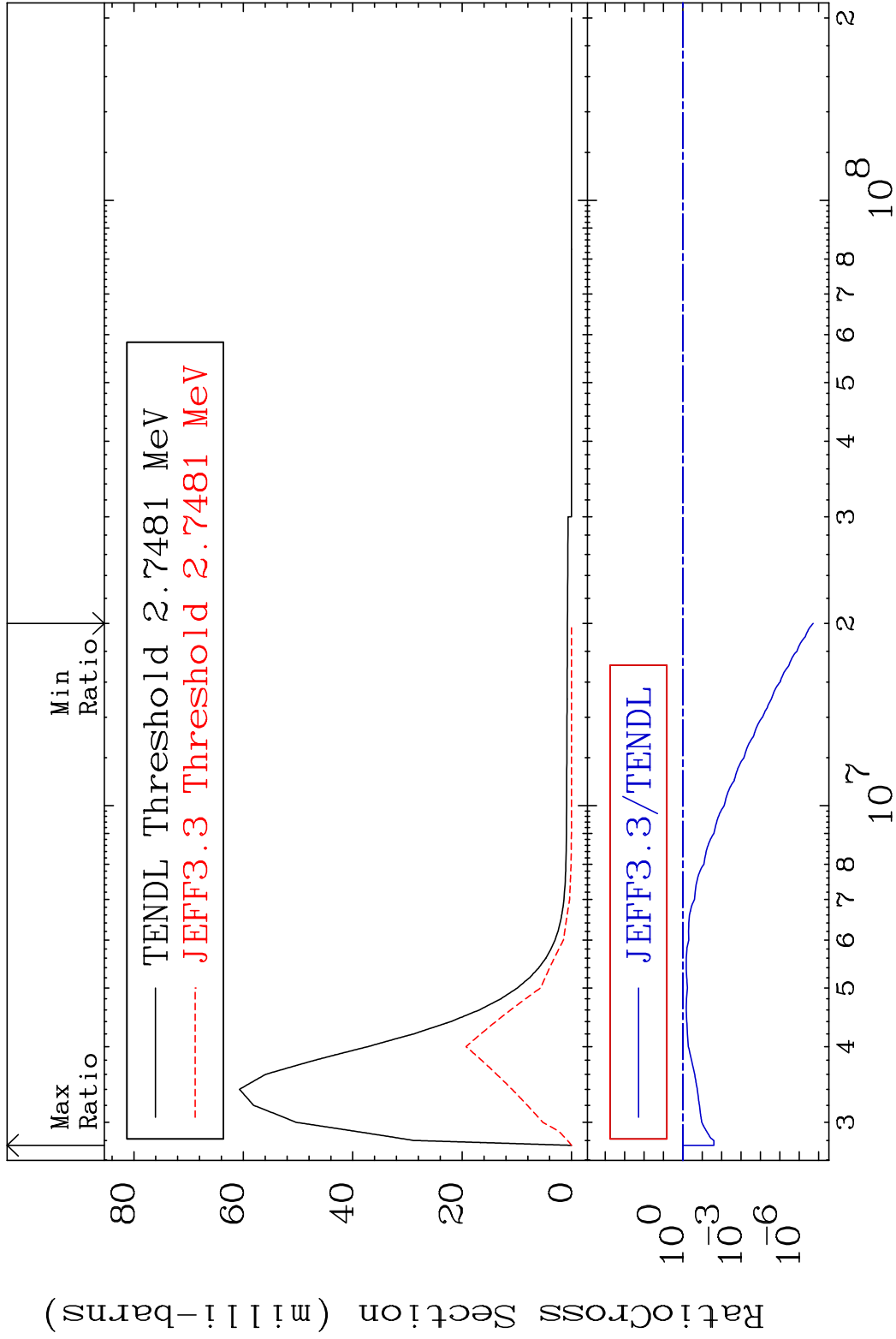
21 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 63 (n, n') Level 62-Sm-144  
 Cross Section -48.19 To 74.14 %



22 Incident Energy (eV) 62-Sm-144

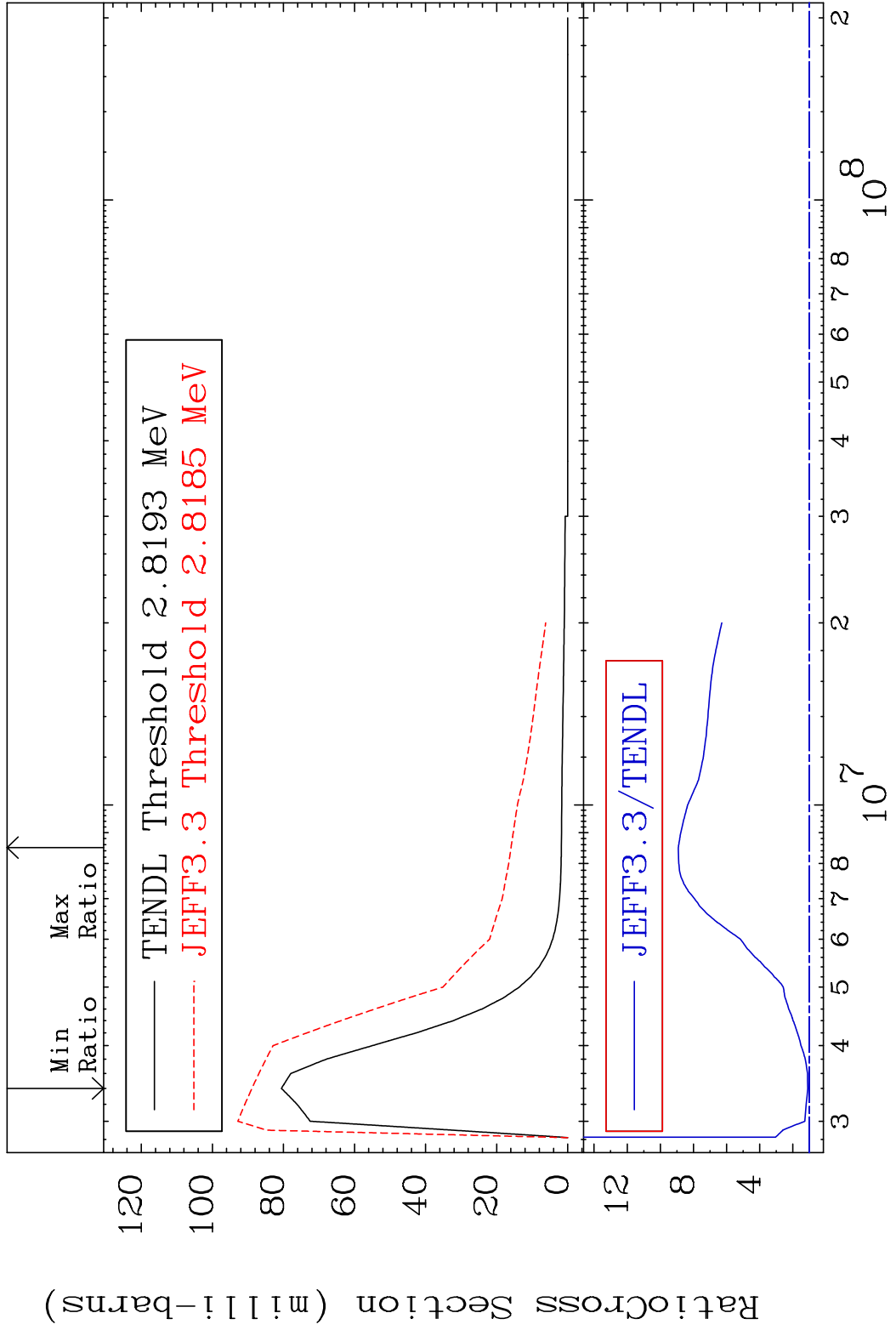
MAT 6225 MT= 64 (n, n') Level 62-Sm-144  
 Cross Section -100.0 To 0.000 %



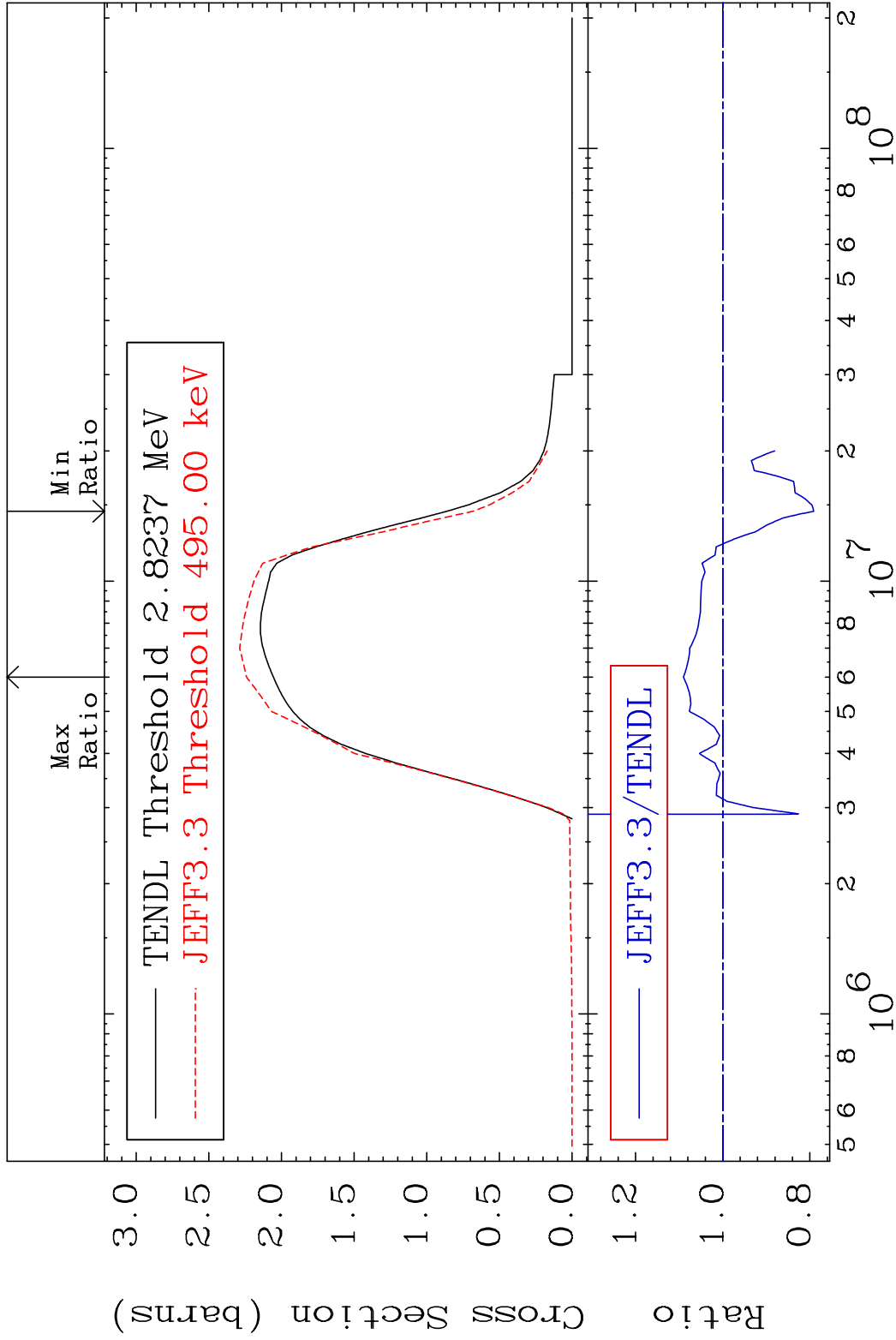
23 Incident Energy (eV) 62-Sm-144



MAT 6225 MT= 65 (n, n') Level 62-Sm-144  
 Cross Section 10.29 To 791.7 %

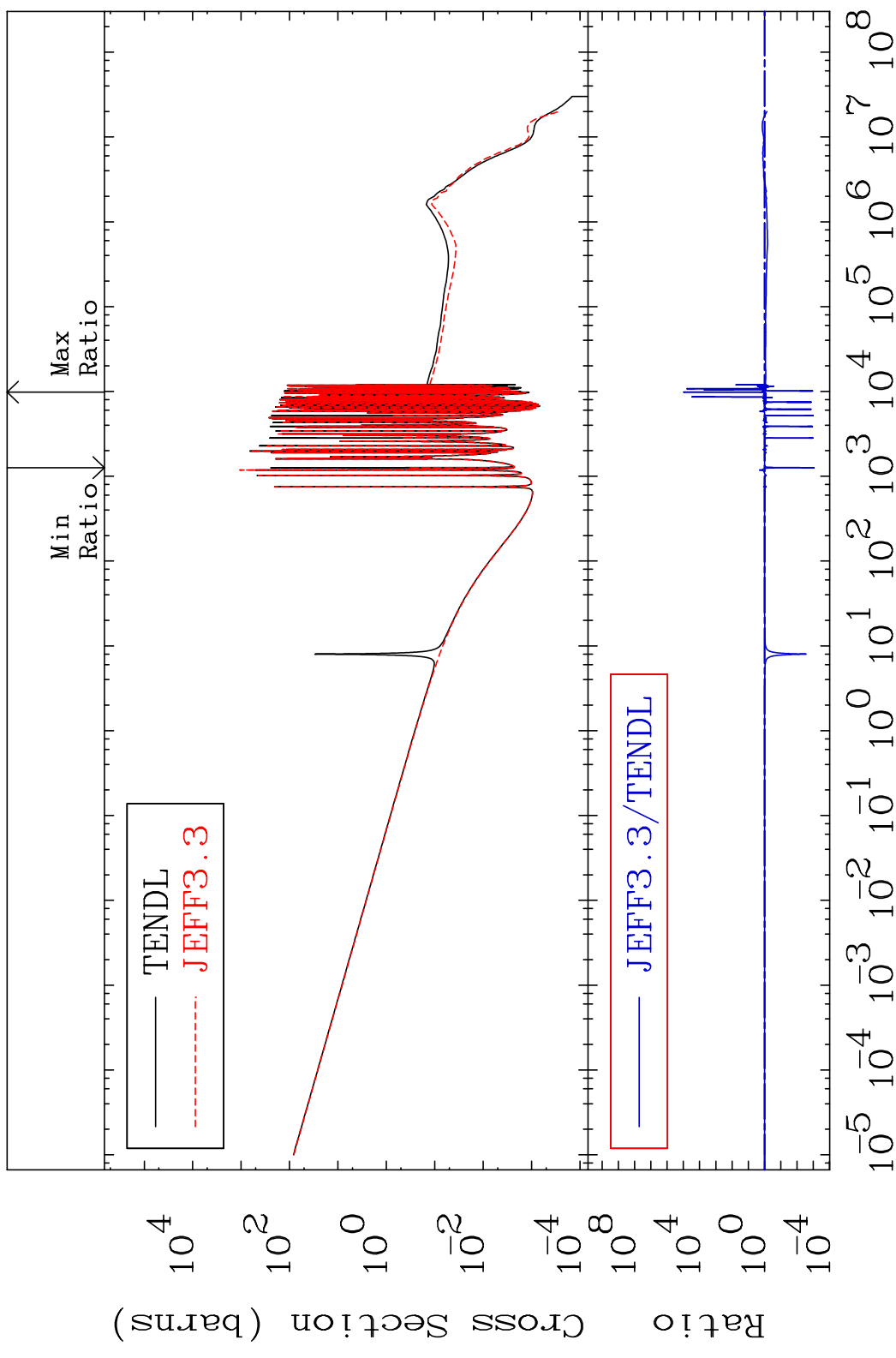


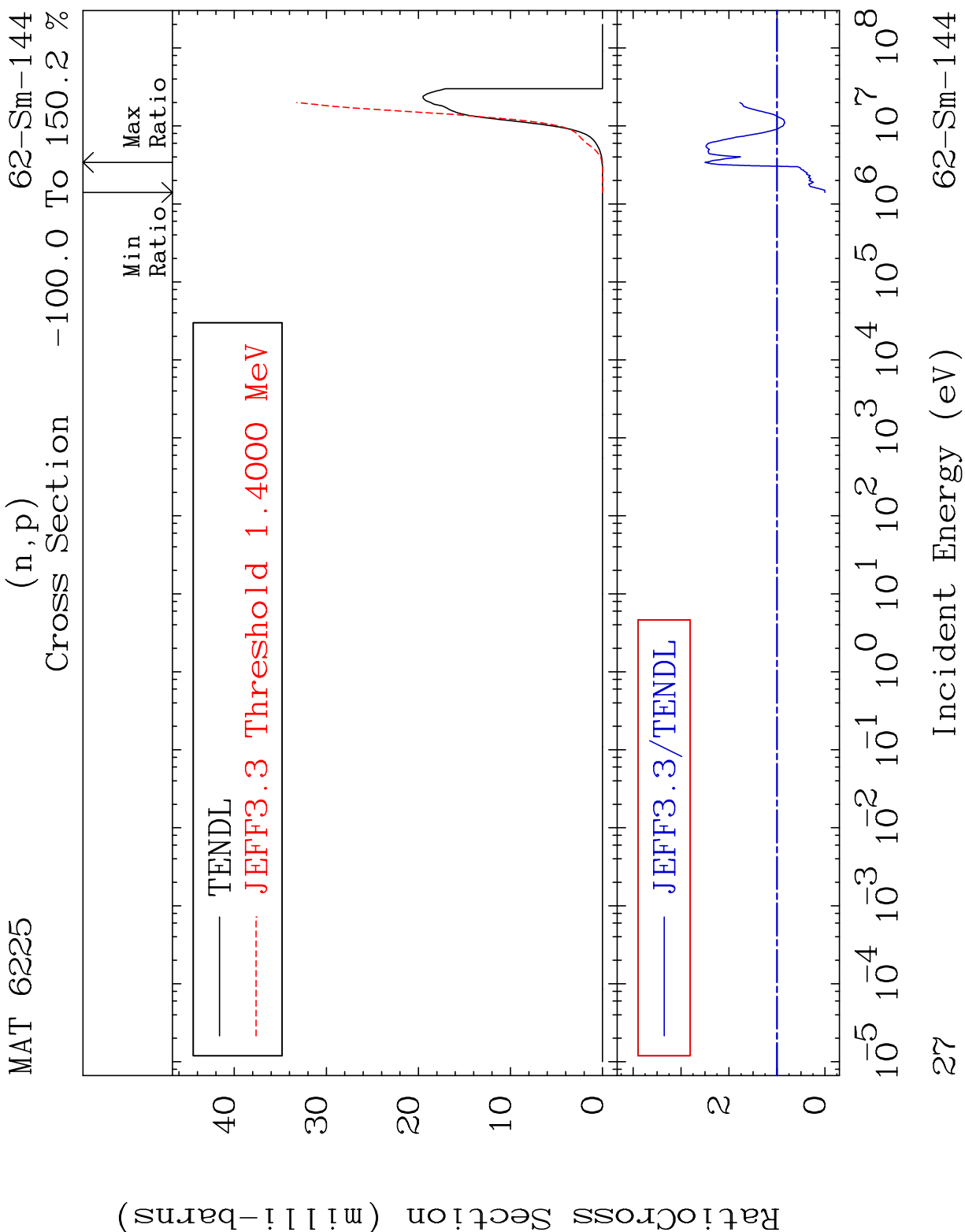
MAT 6225 (n, n') Continuum 62-Sm-144  
 Cross Section -20.92 To 9.017 %



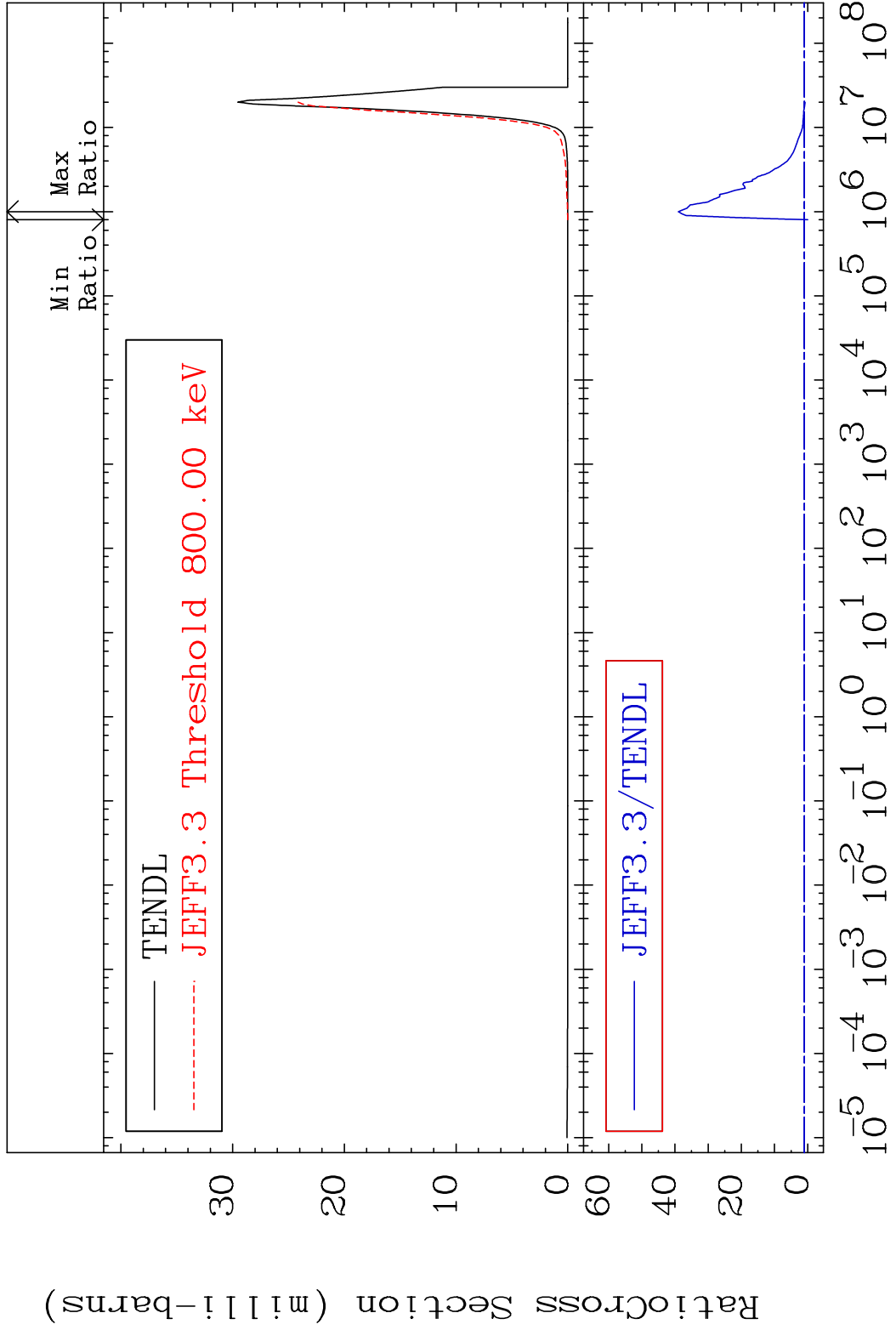
25 Incident Energy (eV) 62-Sm-144

MAT 6225  $(n, \gamma)$  62-Sm-144  
 Cross Section -99.91 To 9999. %





MAT 6225 (n,  $\alpha$ ) 62-Sm-144  
 Cross Section -100.0 To 3801. %

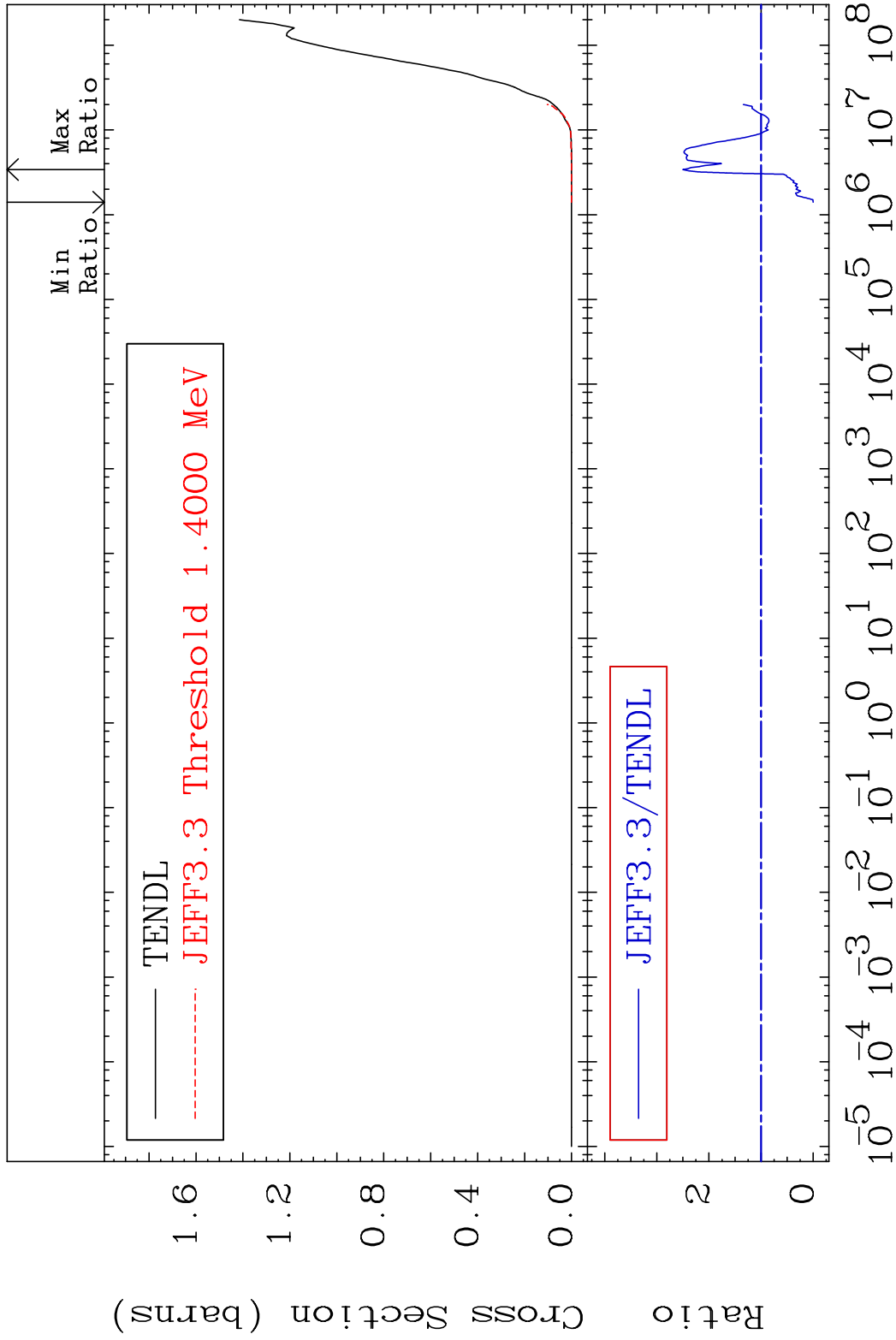


MAT 6225

Hydrogen Production

62-Sm-144

Cross Section -100.0 To 150.2 %



29

Incident Energy (eV)

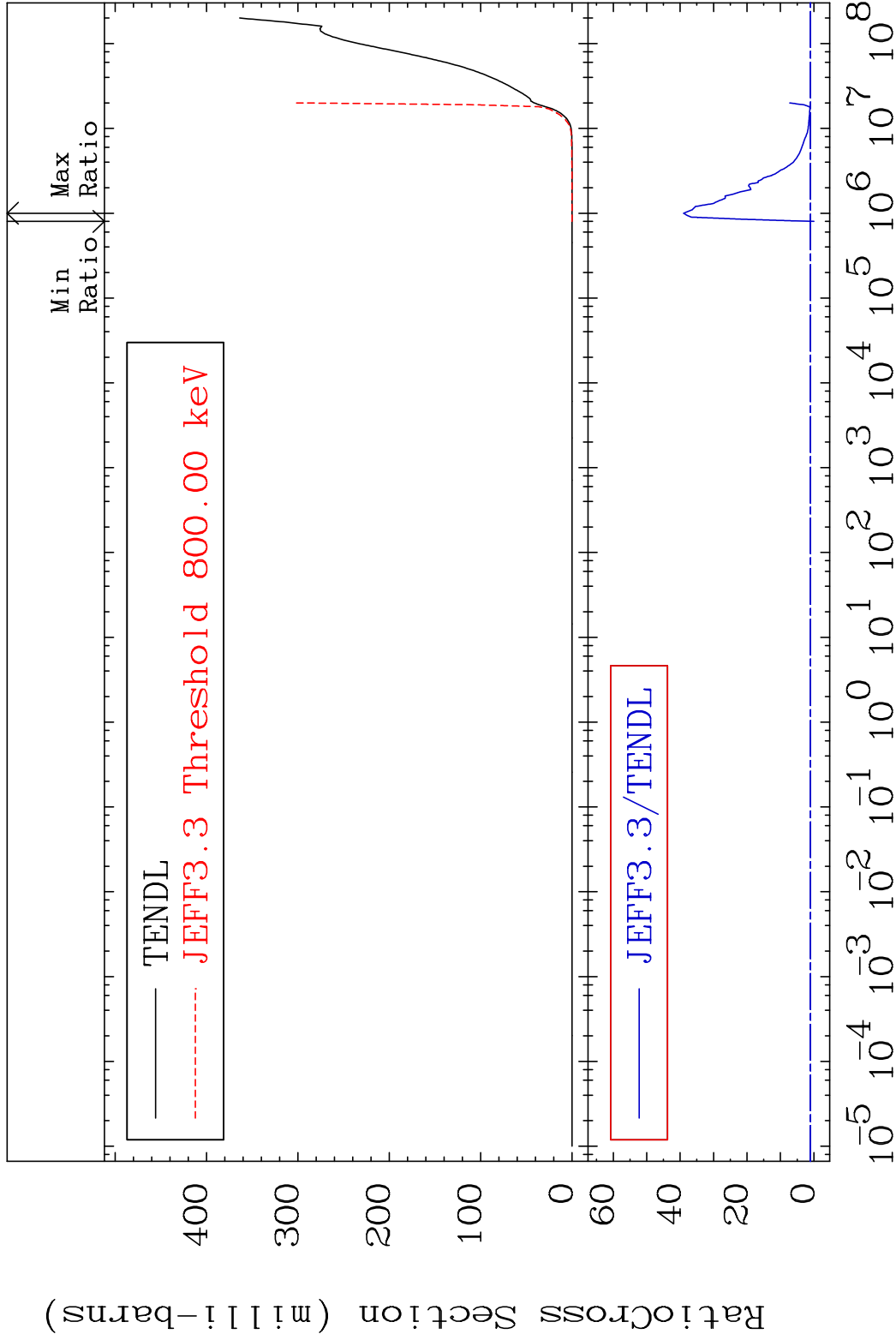
62-Sm-144

MAT 6225

He-4 Production

62-Sm-144

Cross Section -100.0 To 3801. %

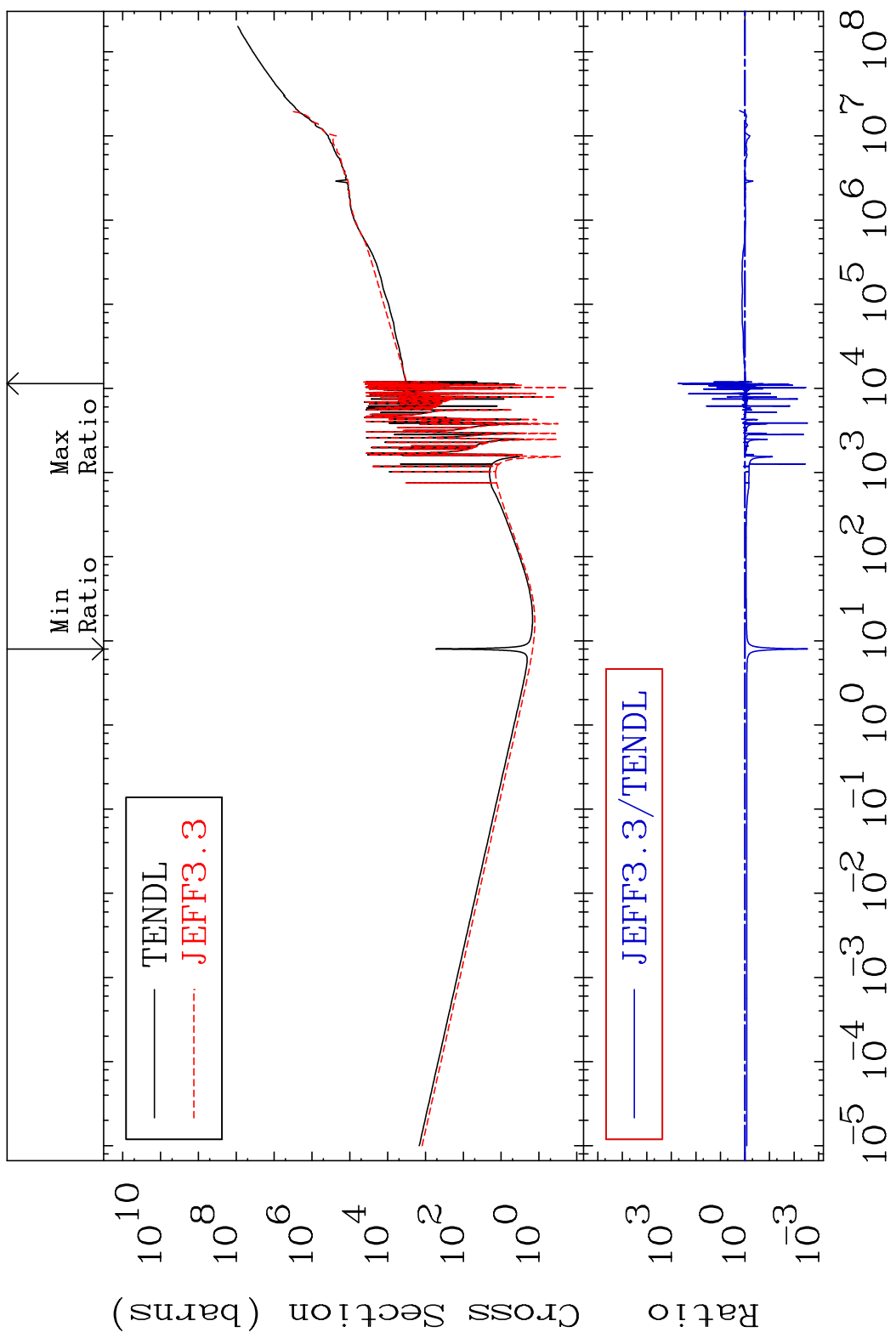


30

Incident Energy (eV)

62-Sm-144

MAT 6225 Kerma total (eV-barns) 62-Sm-144  
 Cross Section -99.72 To 9999. %

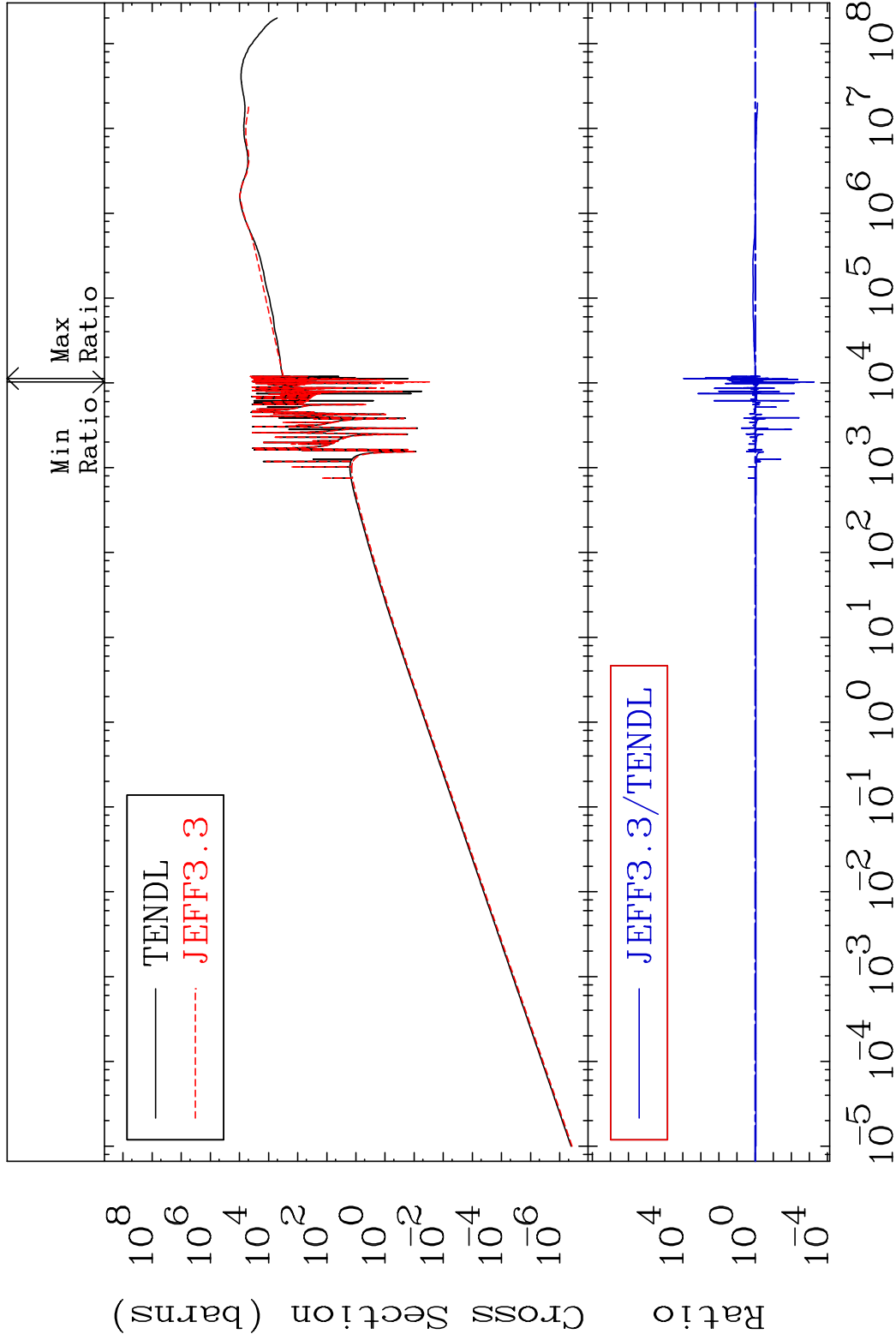


31 Incident Energy (eV) 62-Sm-144



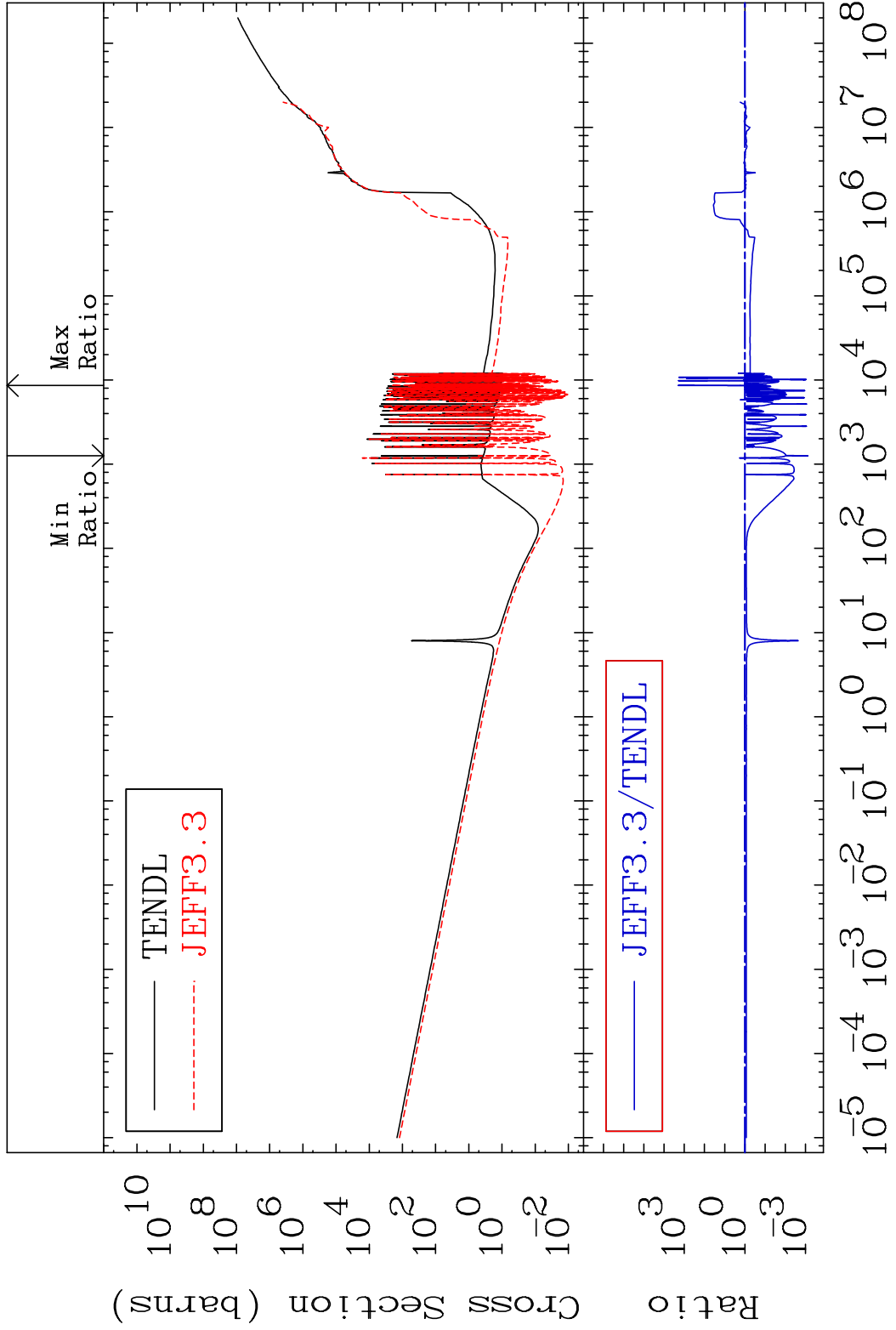
MAT 6225

Kerma elastic Cross Section -99.94 To 9999. %  
62-Sm-144



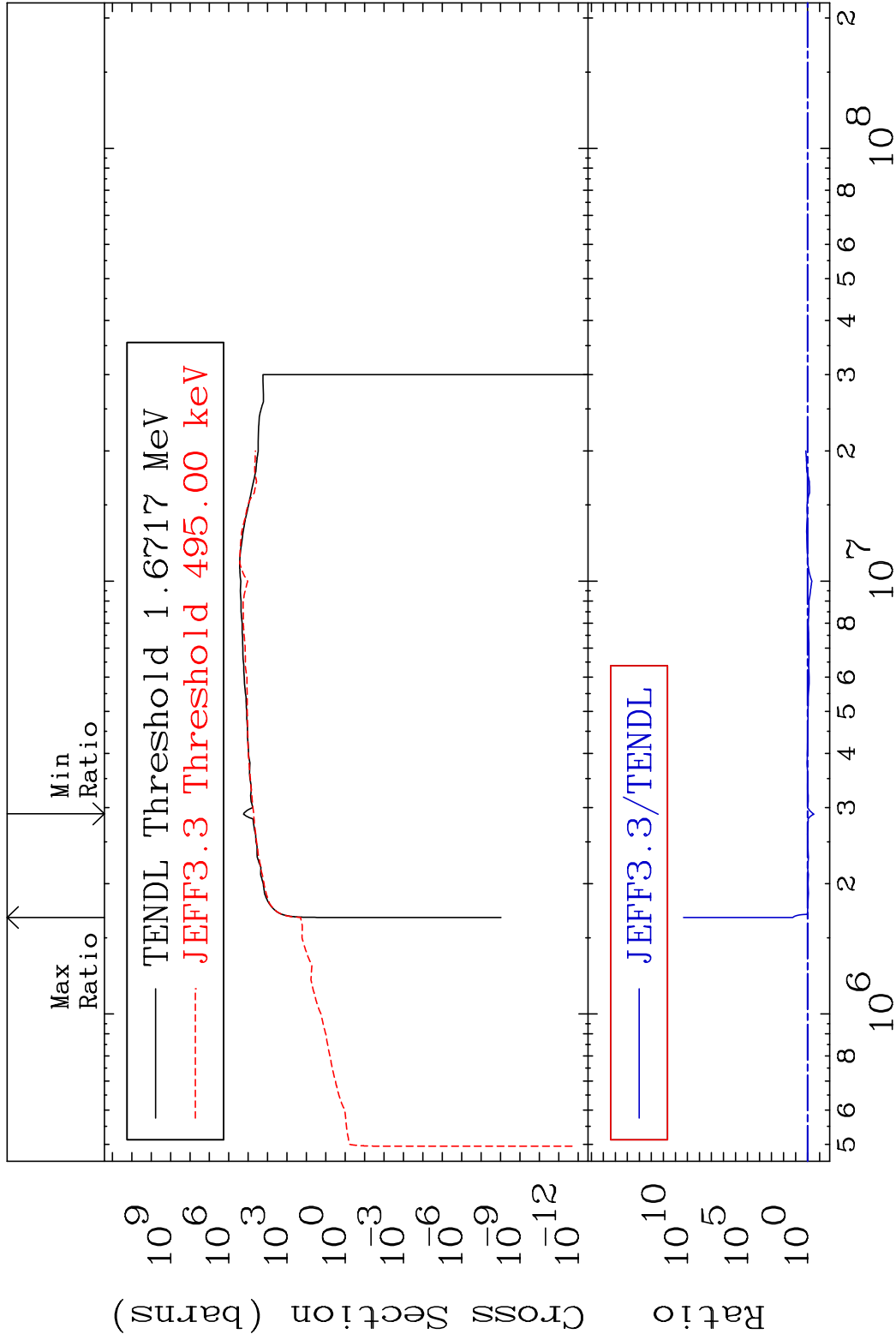
32 Incident Energy (eV) 62-Sm-144

MAT 6225 Kerma non-elastic (all but mt2) 62-Sm-144  
 Cross Section -99.92 To 9999. %

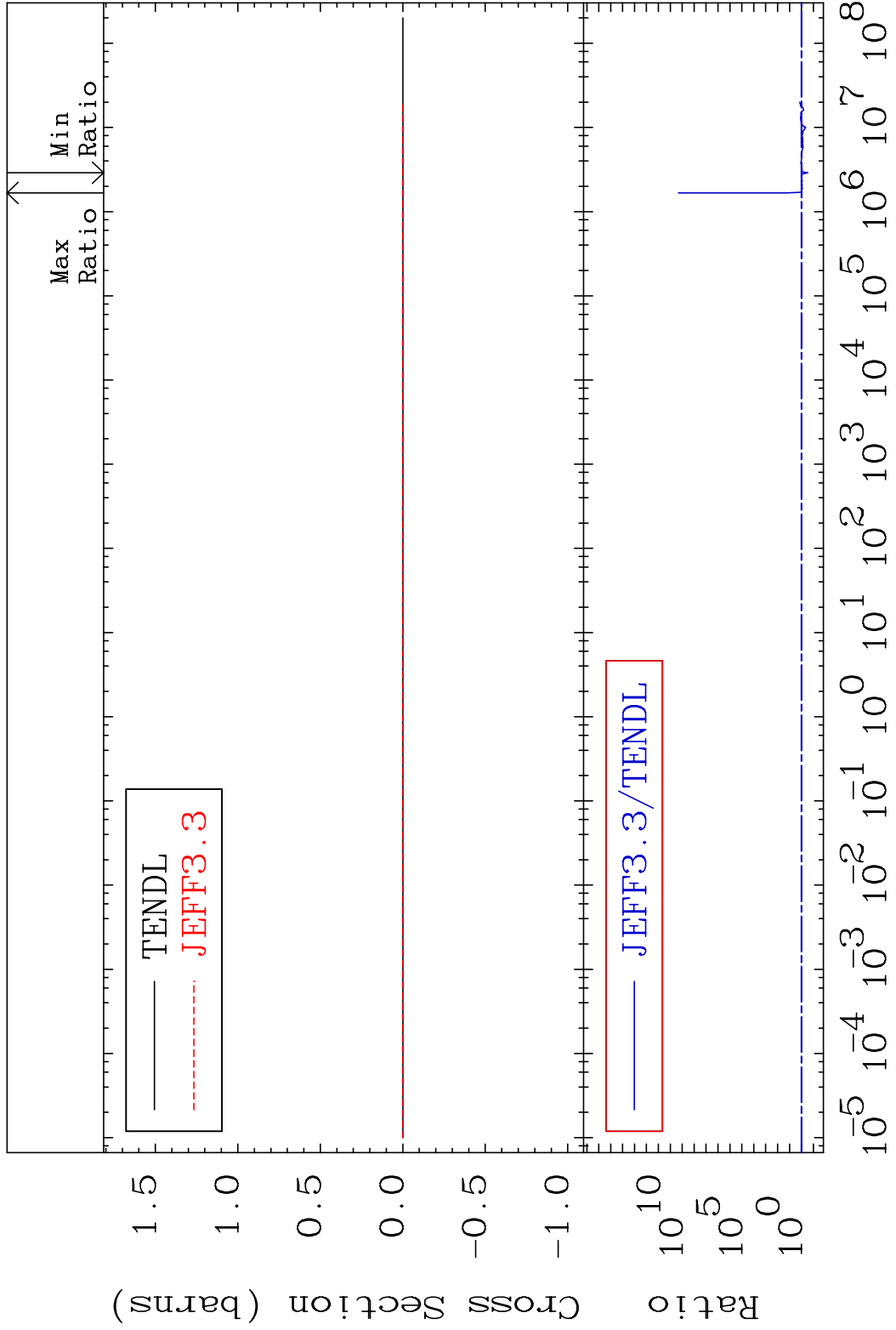


33 Incident Energy (eV) 62-Sm-144

MAT 6225 Kerma inelastic (mt51-91) 62-Sm-144  
 Cross Section -70.26 To 9999. %

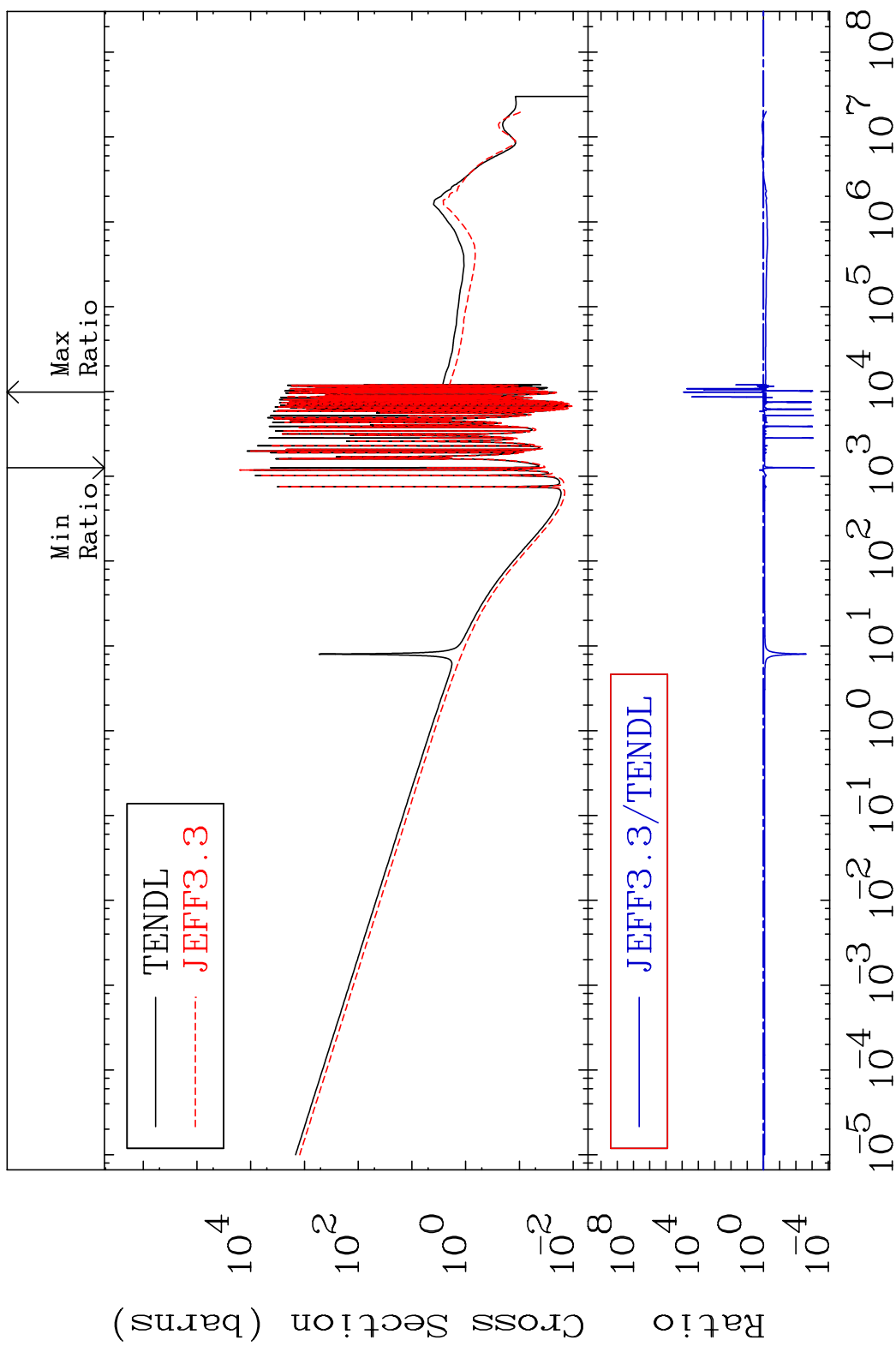


MAT 6225 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-144  
 Cross Section -70.26 To 9999. %



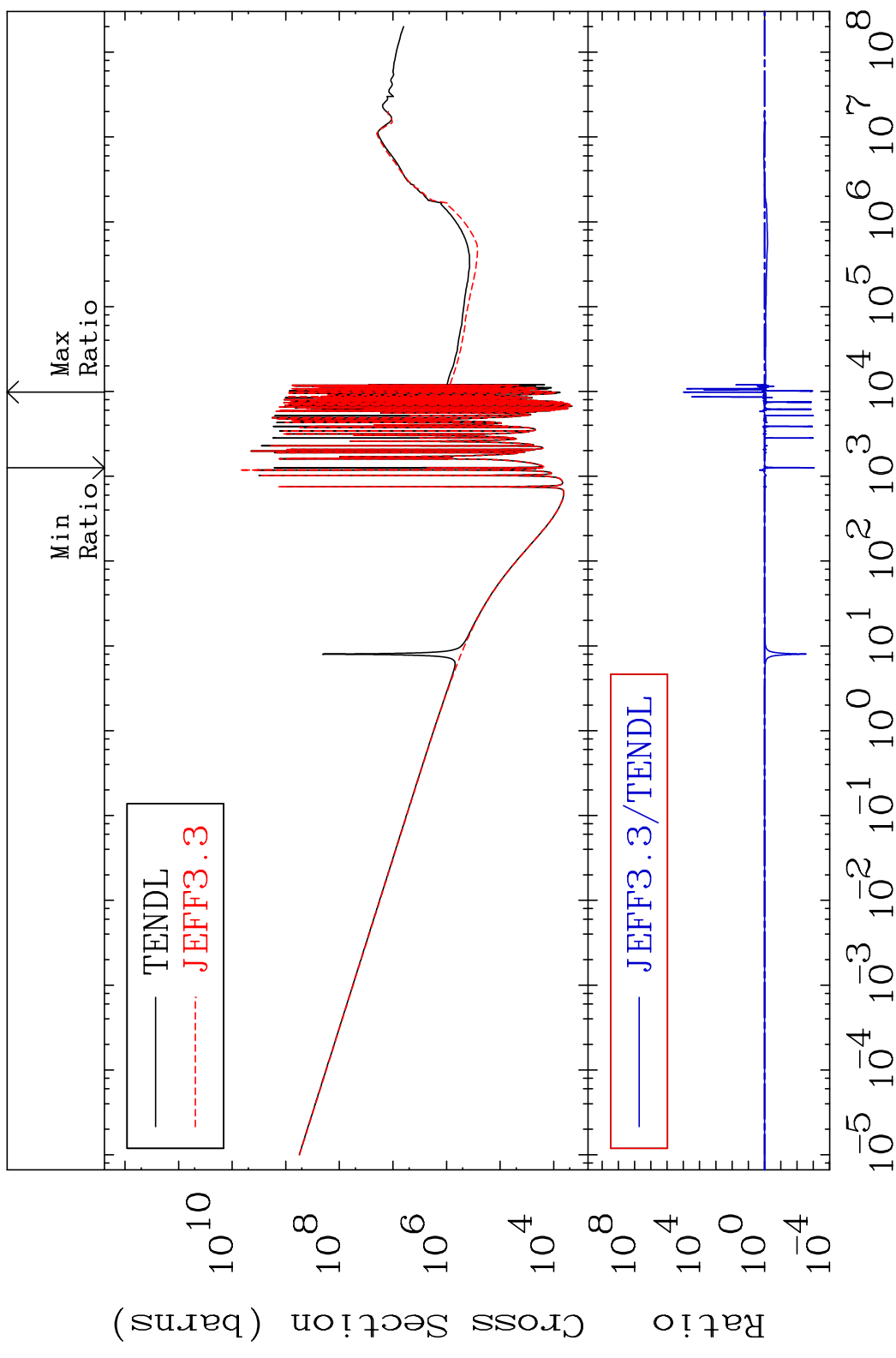
35 Incident Energy (eV) 62-Sm-144

MAT 6225 Kerma capture (mt102) 62-Sm-144  
 Cross Section -99.92 To 9999. %



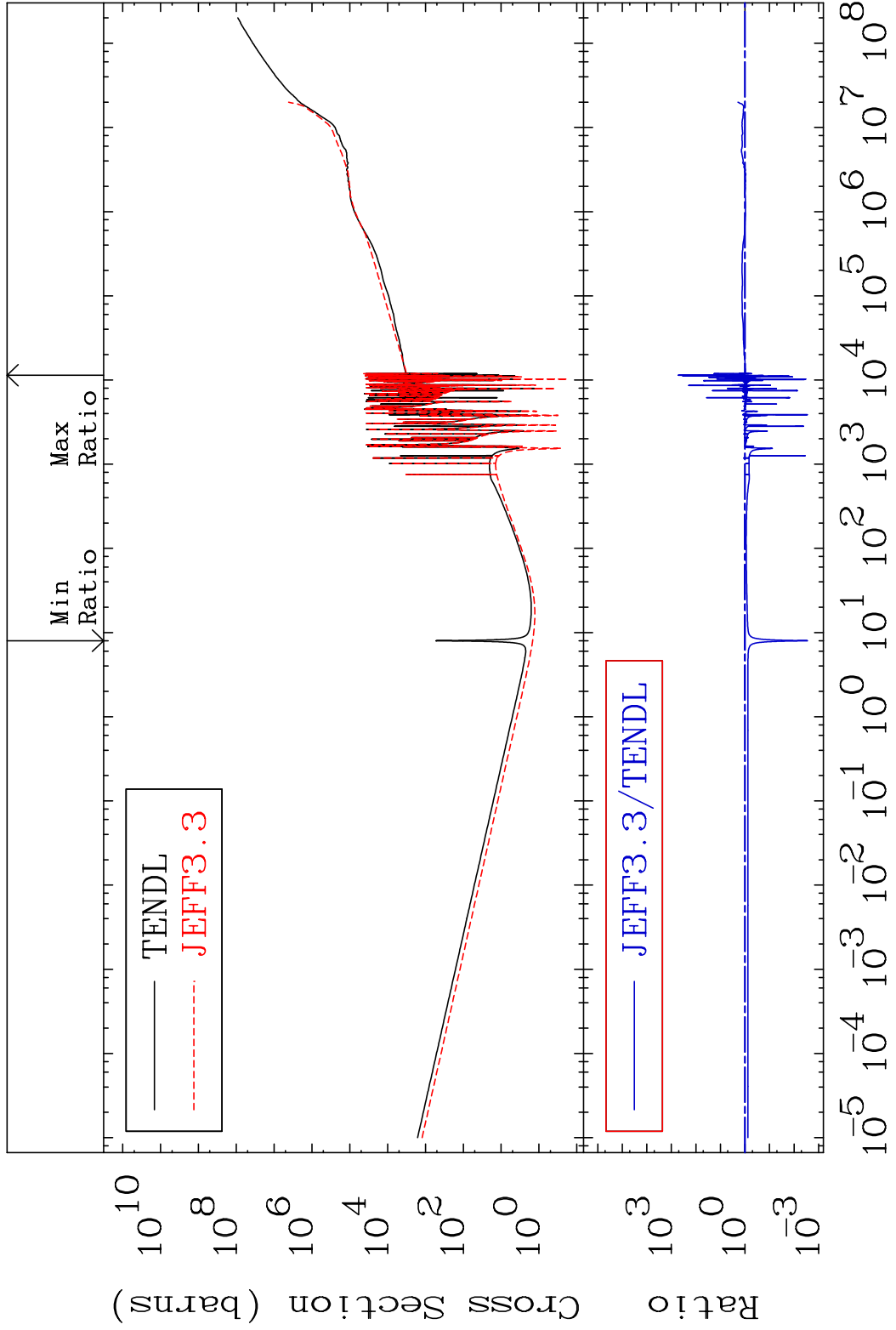
36 Incident Energy (eV) 62-Sm-144

MAT 6225 Total photon (eV-barns) 62-Sm-144  
Cross Section -99.91 To 9999. %

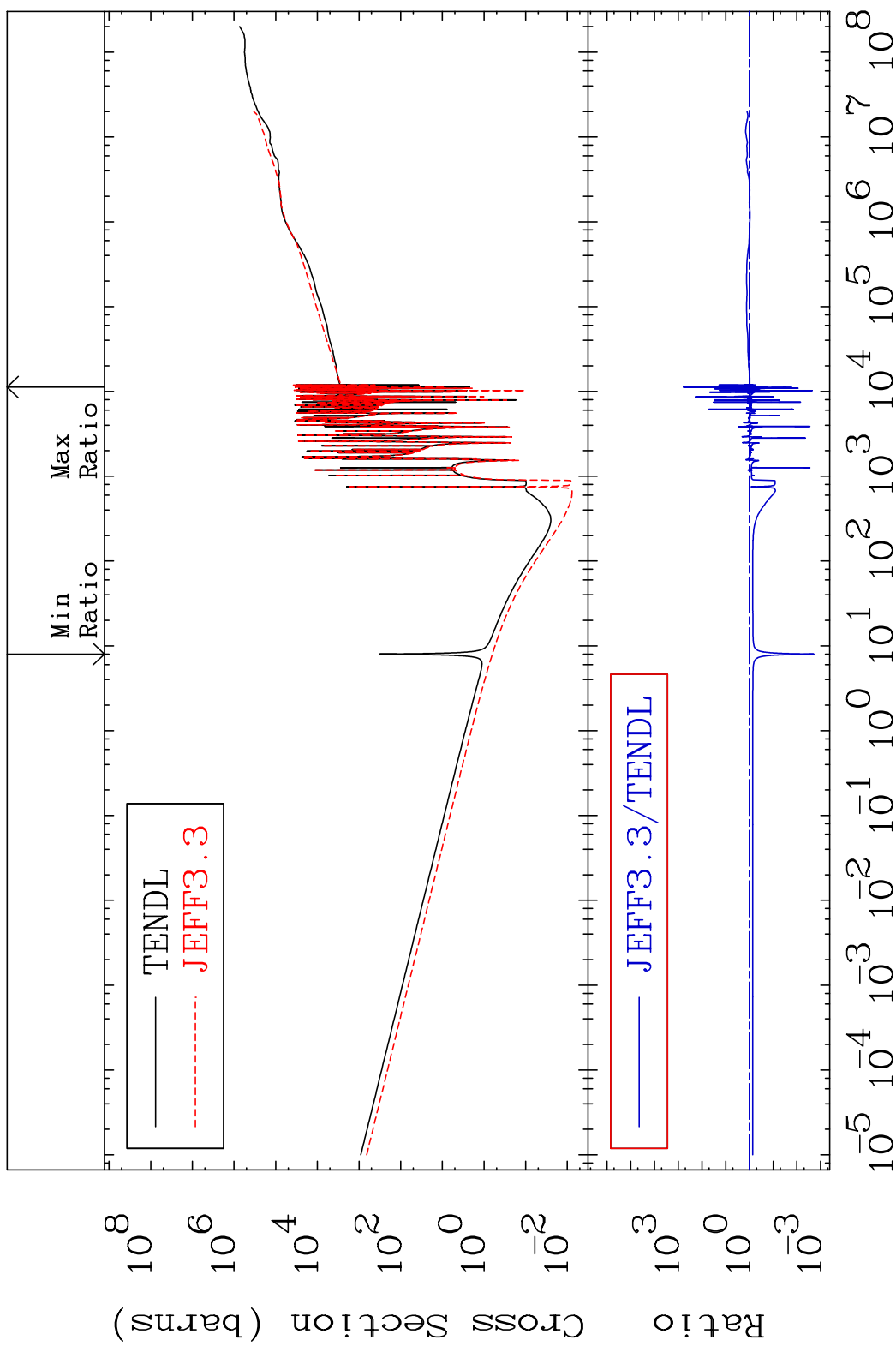


37 Incident Energy (eV) 62-Sm-144

MAT 6225 Total kinematic kerma (high limit) 62-Sm-144  
 Cross Section -99.72 To 9999. %

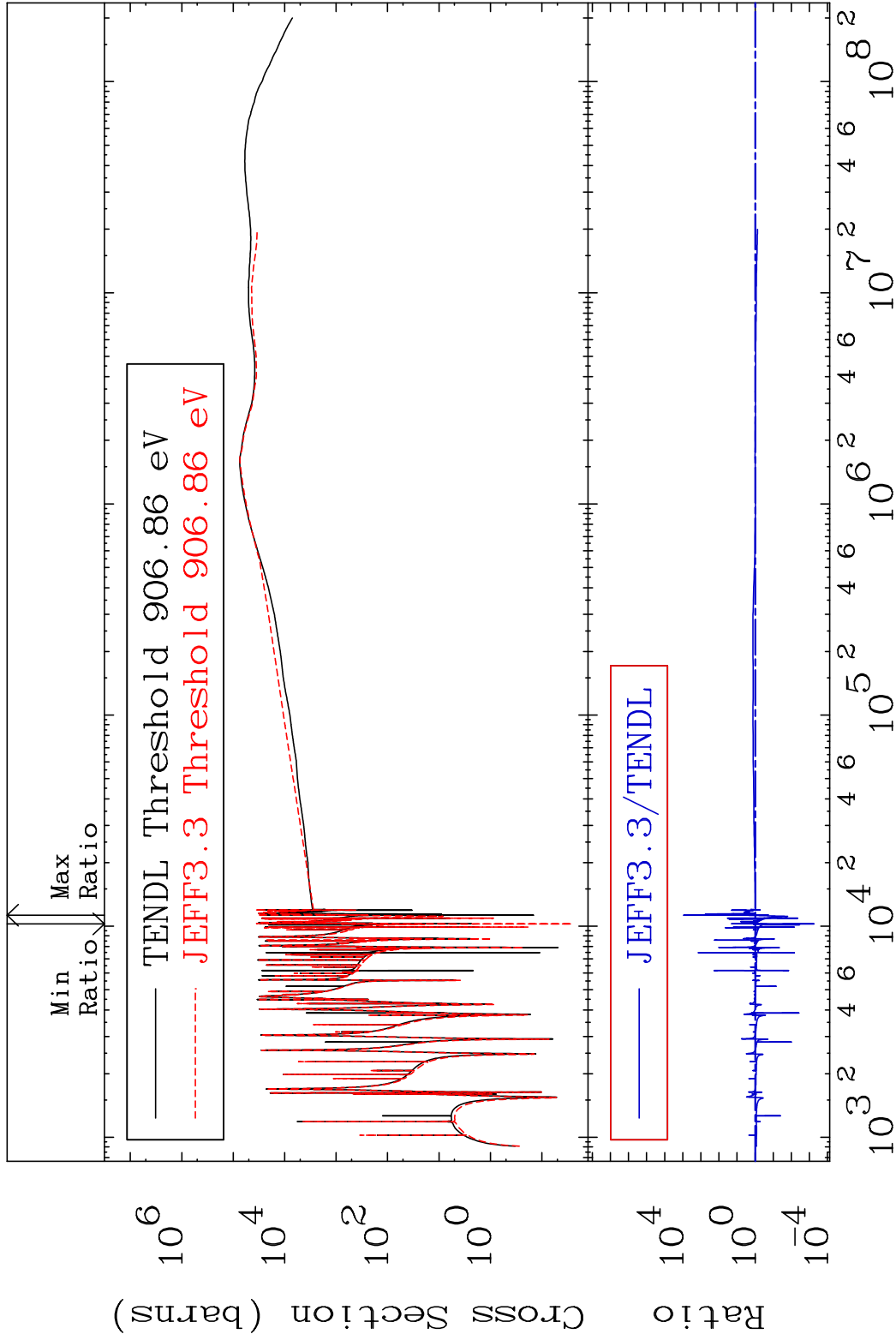


MAT 6225      Dpa total (eV-barns)      62-Sm-144  
 Cross Section      -99.81 To 9999. %



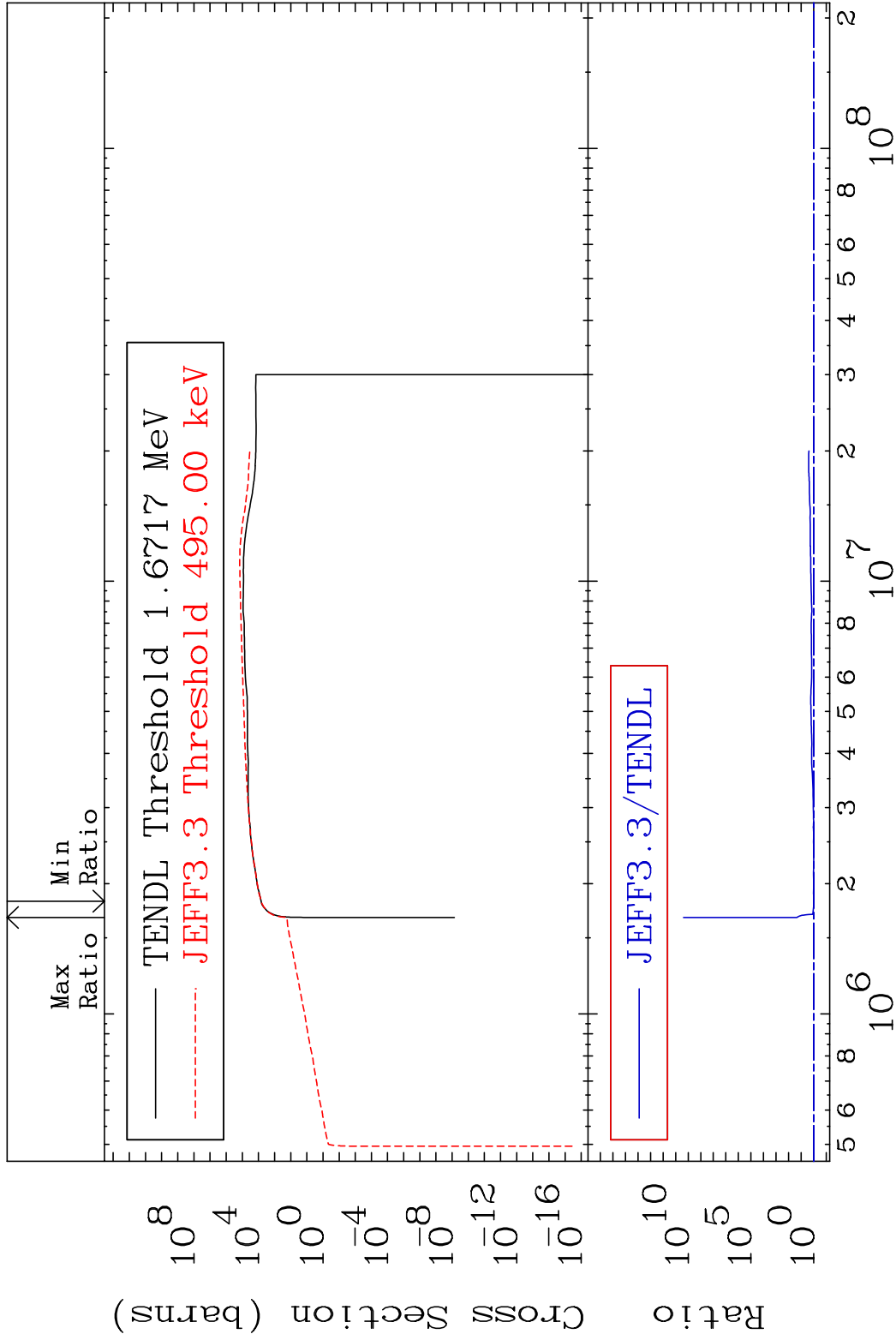


MAT 6225      Dpa elastic (mt2)      62-Sm-144  
 Cross Section      -99.94 To 9999. %

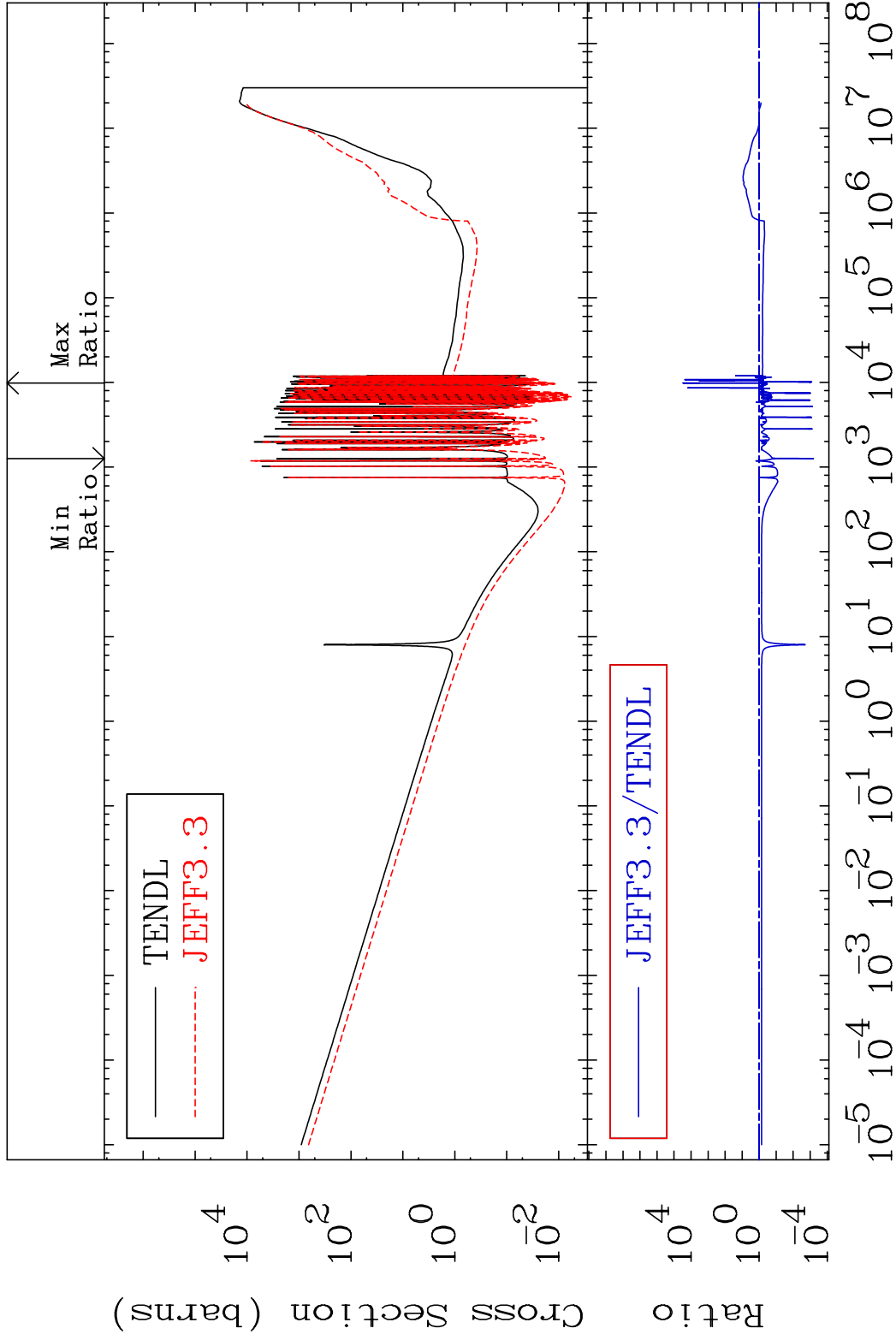


40      Incident Energy (eV)      62-Sm-144

MAT 6225      Dpa inelastic (mt51-91)      62-Sm-144  
 Cross Section      -4.674 To 9999. %



MAT 6225 Dpa disappearance (mt102 -120) 62-Sm-144  
 Cross Section -99.93 To 9999. %



42 Incident Energy (eV) 62-Sm-144