

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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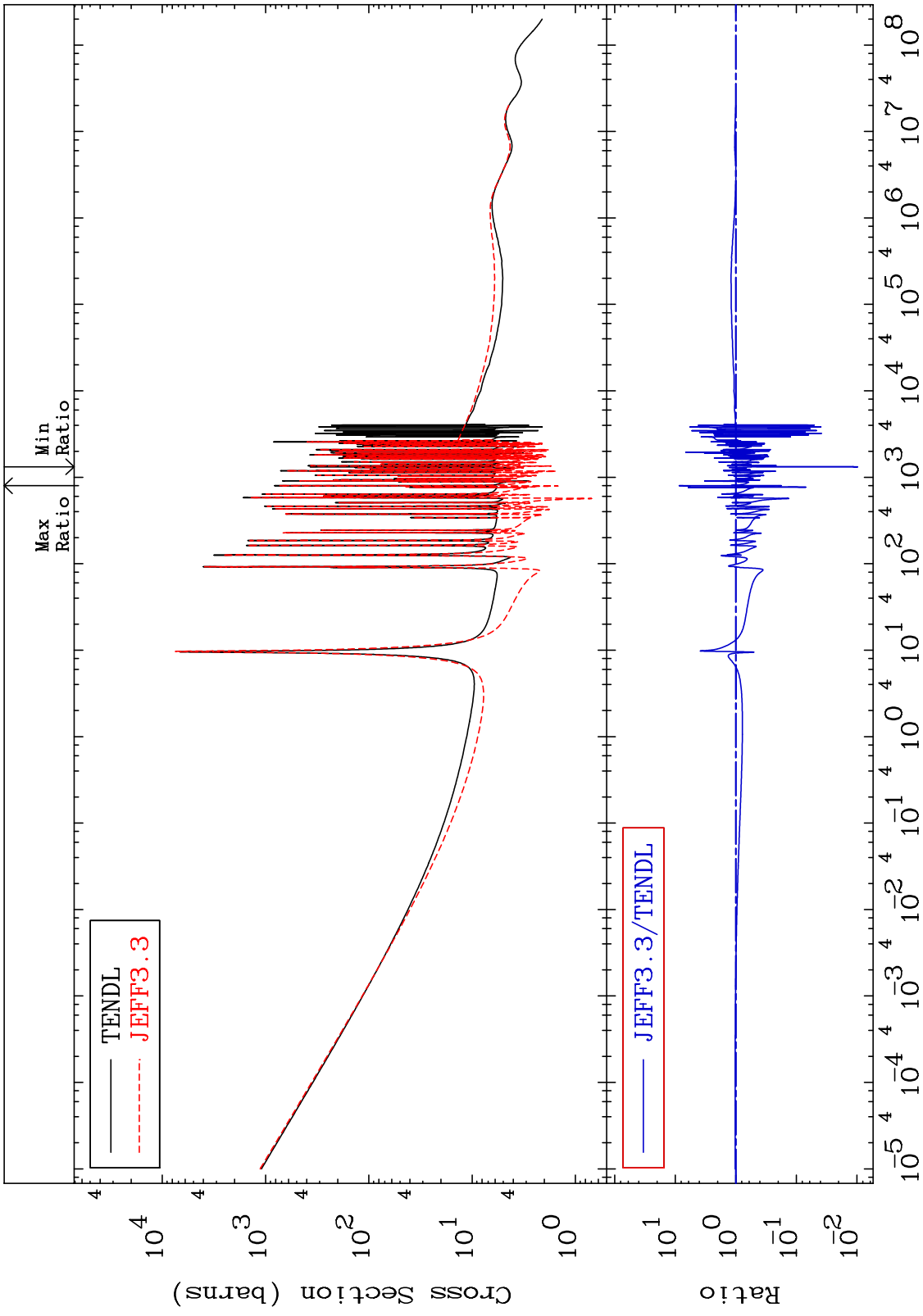
U.S.A.

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

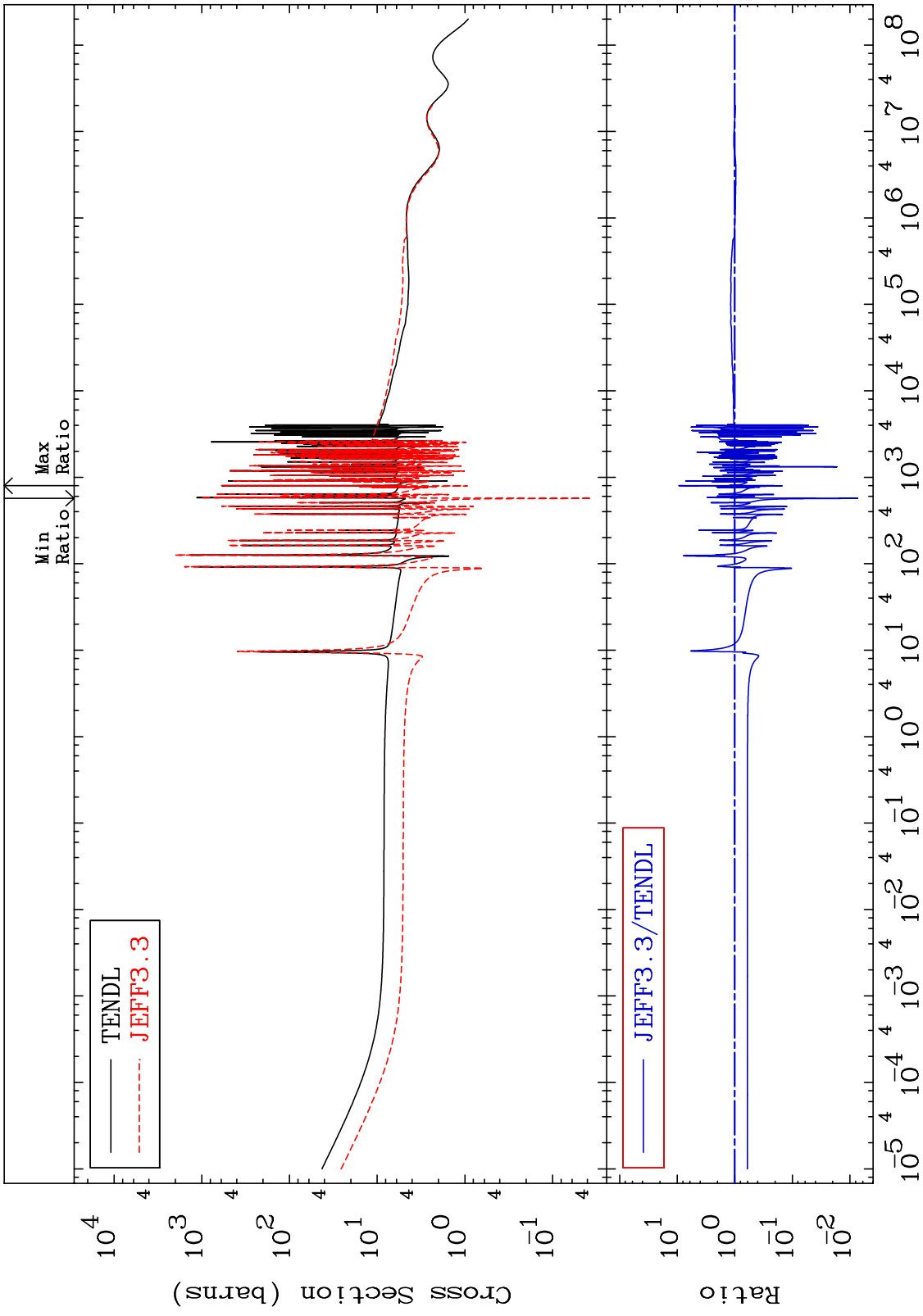
Press Mouse Button to Start

MAT 5440 54-Xe-129  
Total -99.04 To 766.3 %  
Cross Section

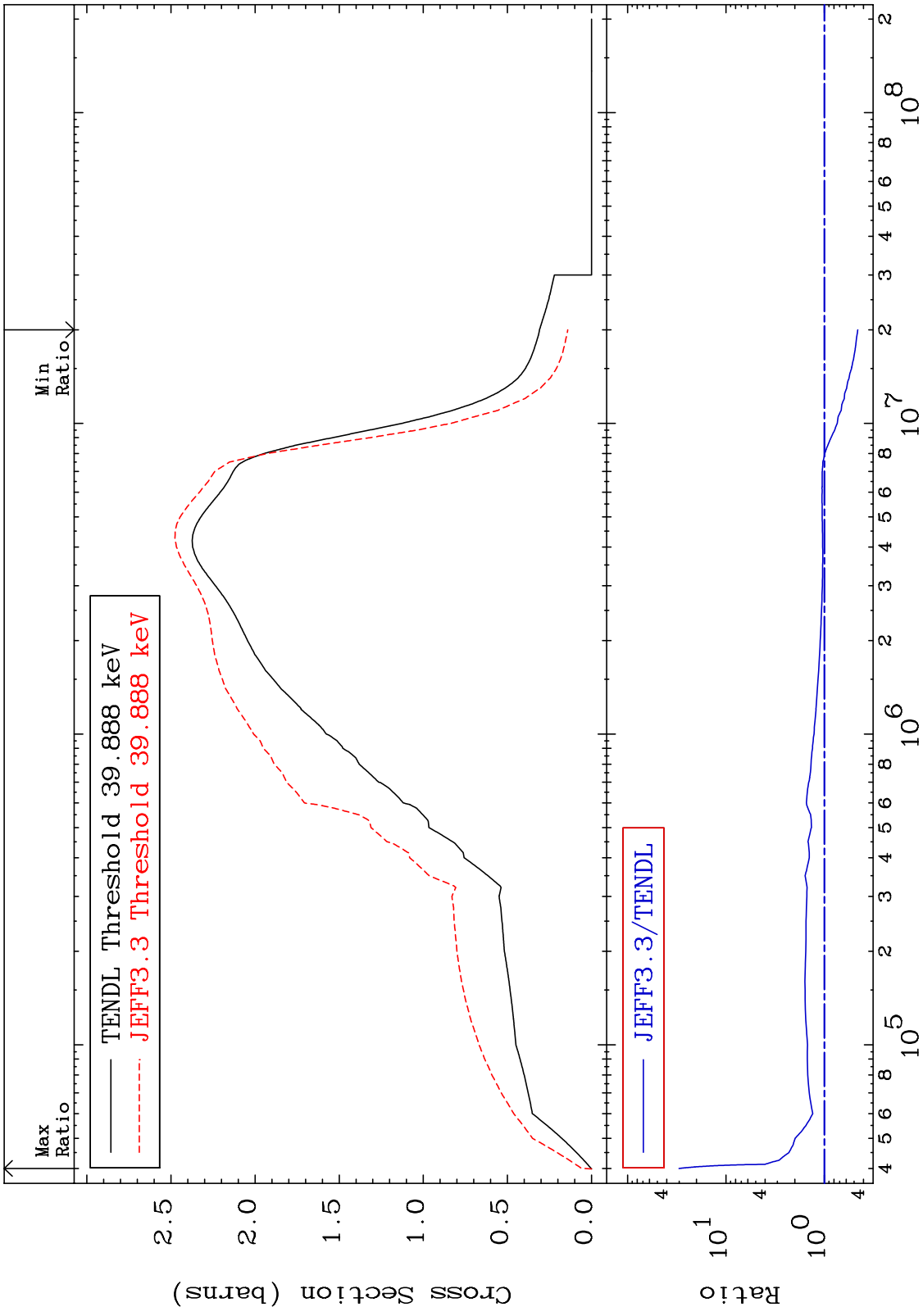


Incident Energy (eV) 54-Xe-129

MAT 5440 Elastic Cross Section 54-Xe-129 -99.27 To 830.3 %

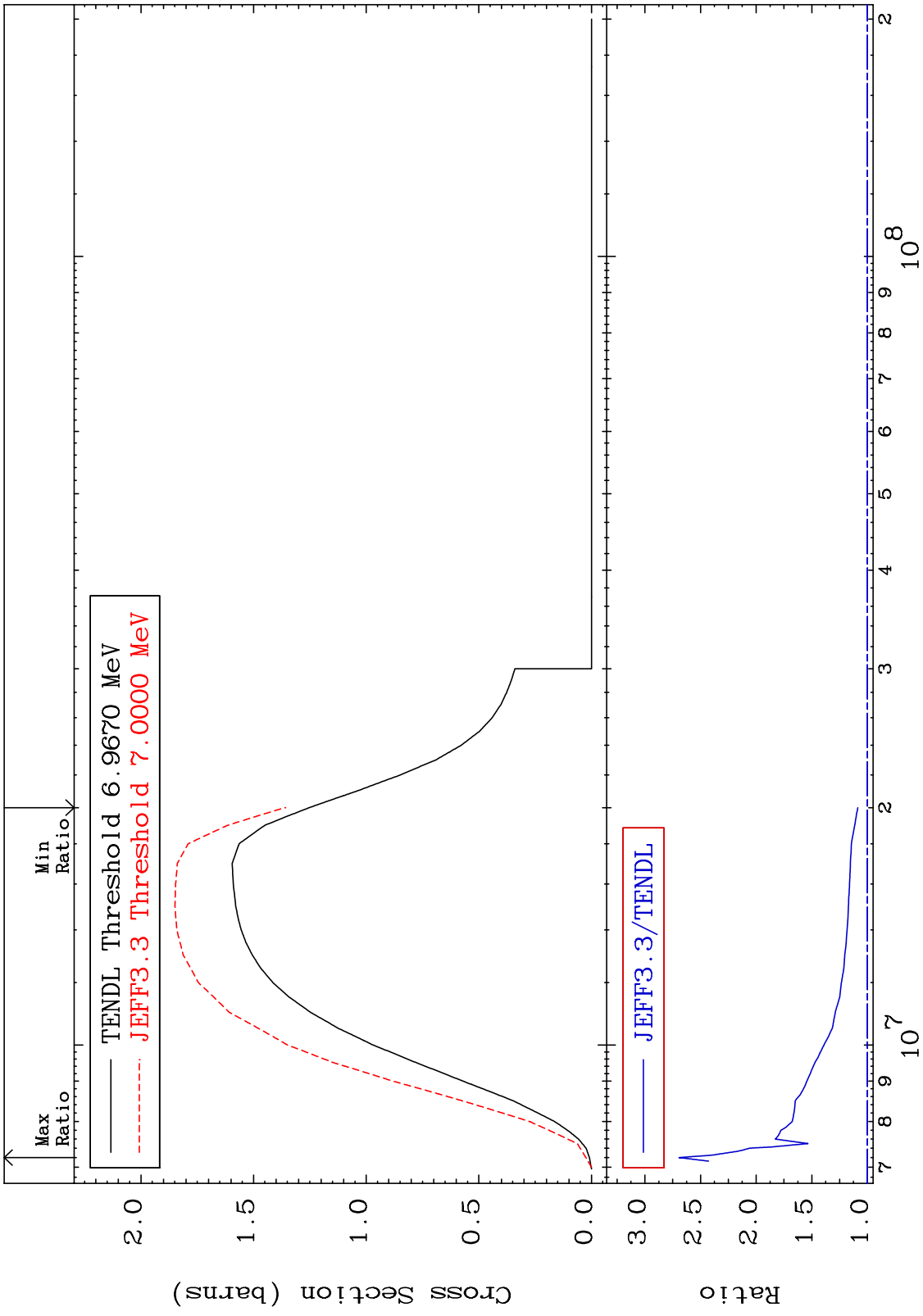


MAT 5440 Inelastic Cross Section 54-Xe-129 -54.31 To 2904. %



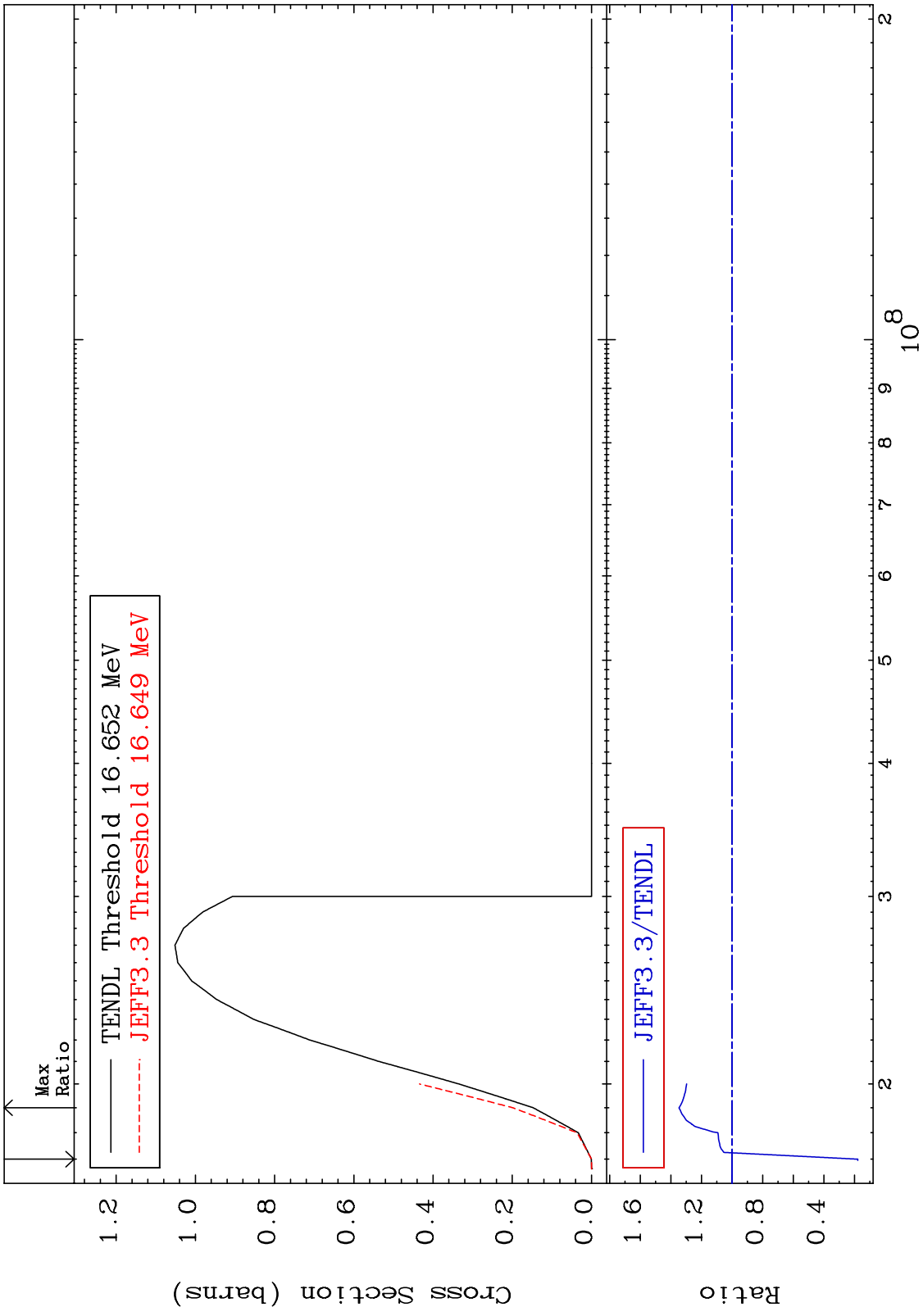
3 54-Xe-129

MAT 5440 (n,2n) Cross Section 54-Xe-129 To 169.3 % 8.618

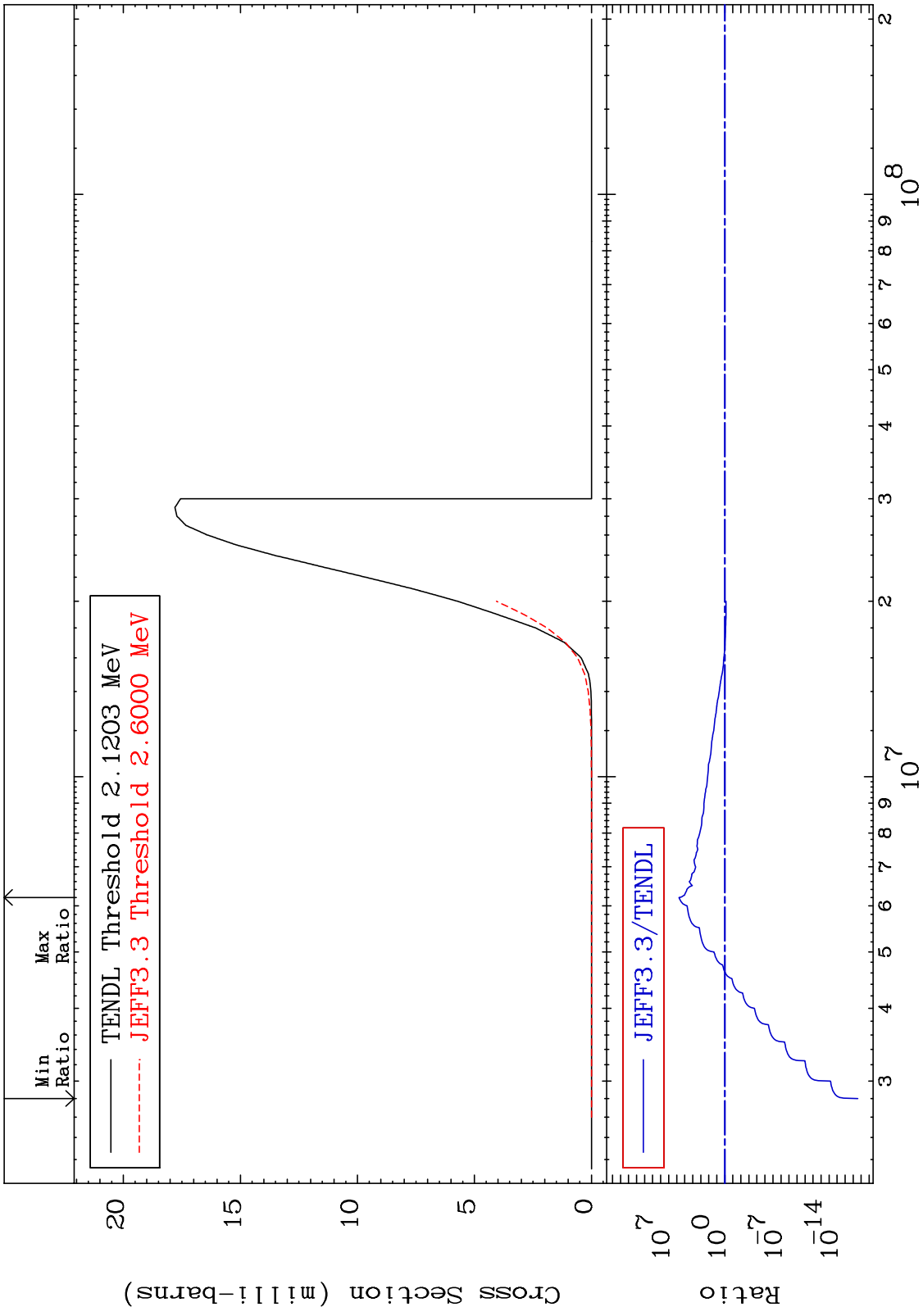


4 54-Xe-129 Incident Energy (eV)

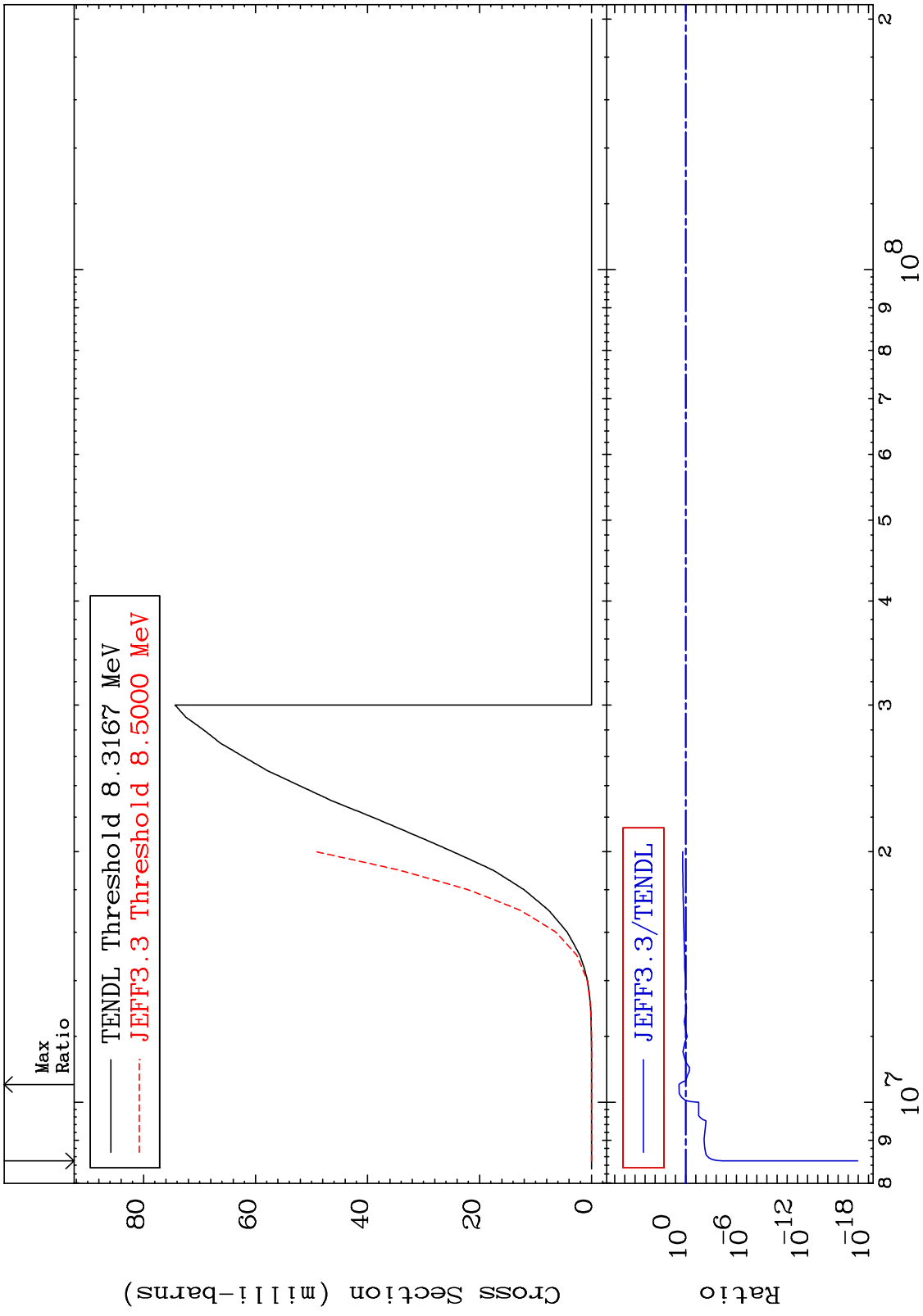
MAT 5440 (n,3n) Cross Section 54-Xe-129 -82.19 To 34.68 %



MAT 5440  $(n, n') \alpha$  54-Xe-129  
 Cross Section -100.0 To 9999. %



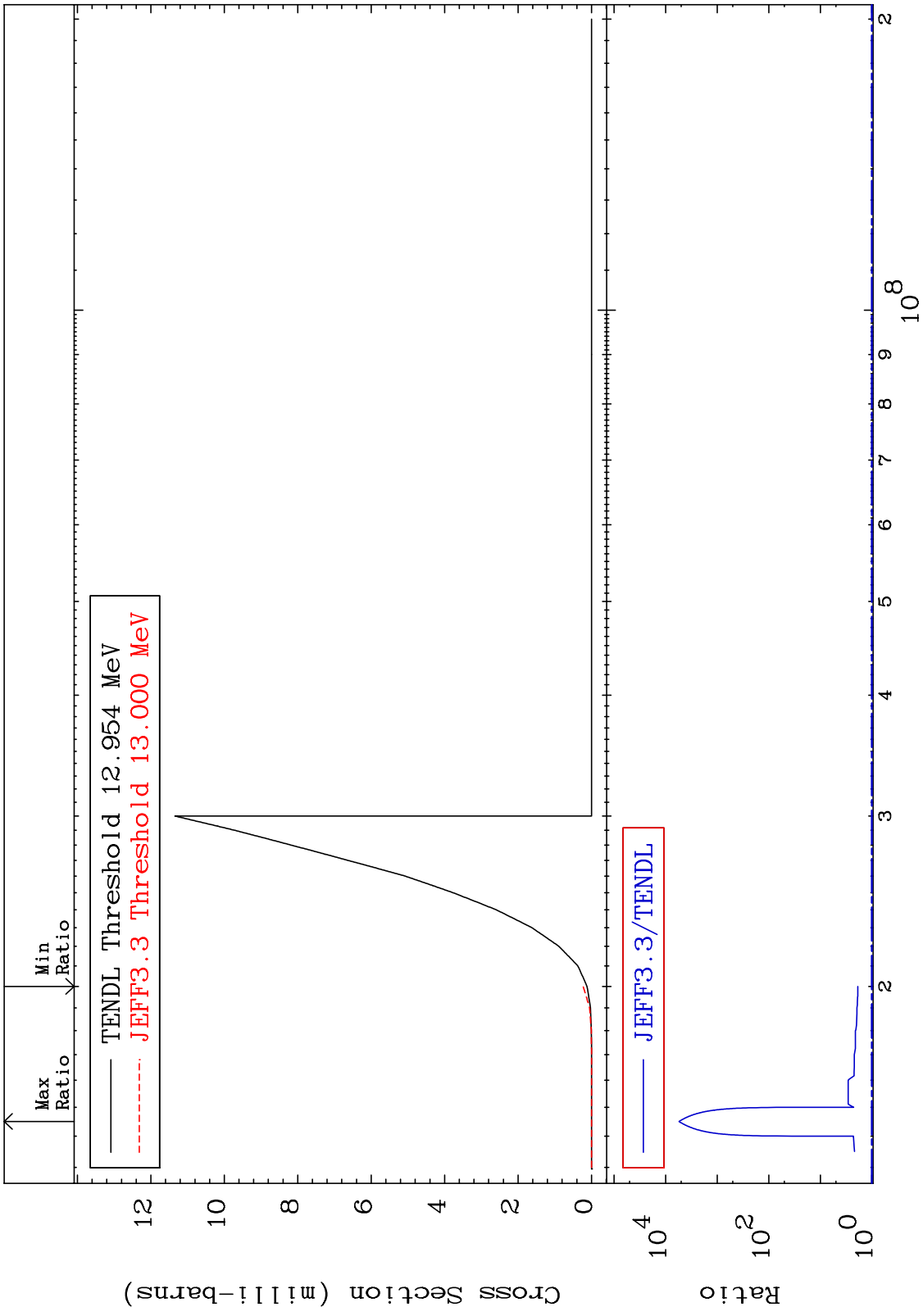
MAT 5440 (n,n') p 54-Xe-129  
Cross Section -100.0 To 352.4 %



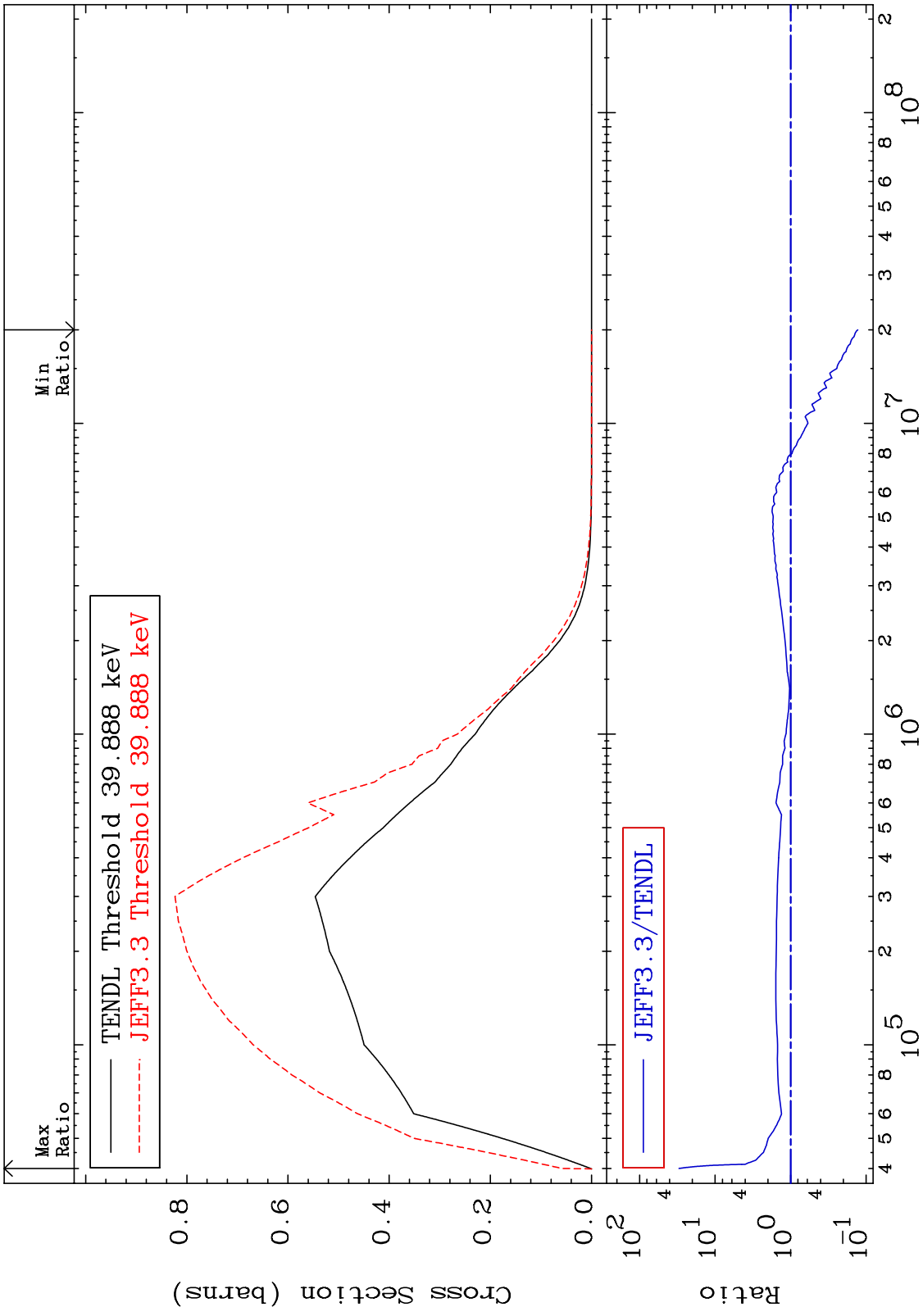
7 Incident Energy (eV) 54-Xe-129



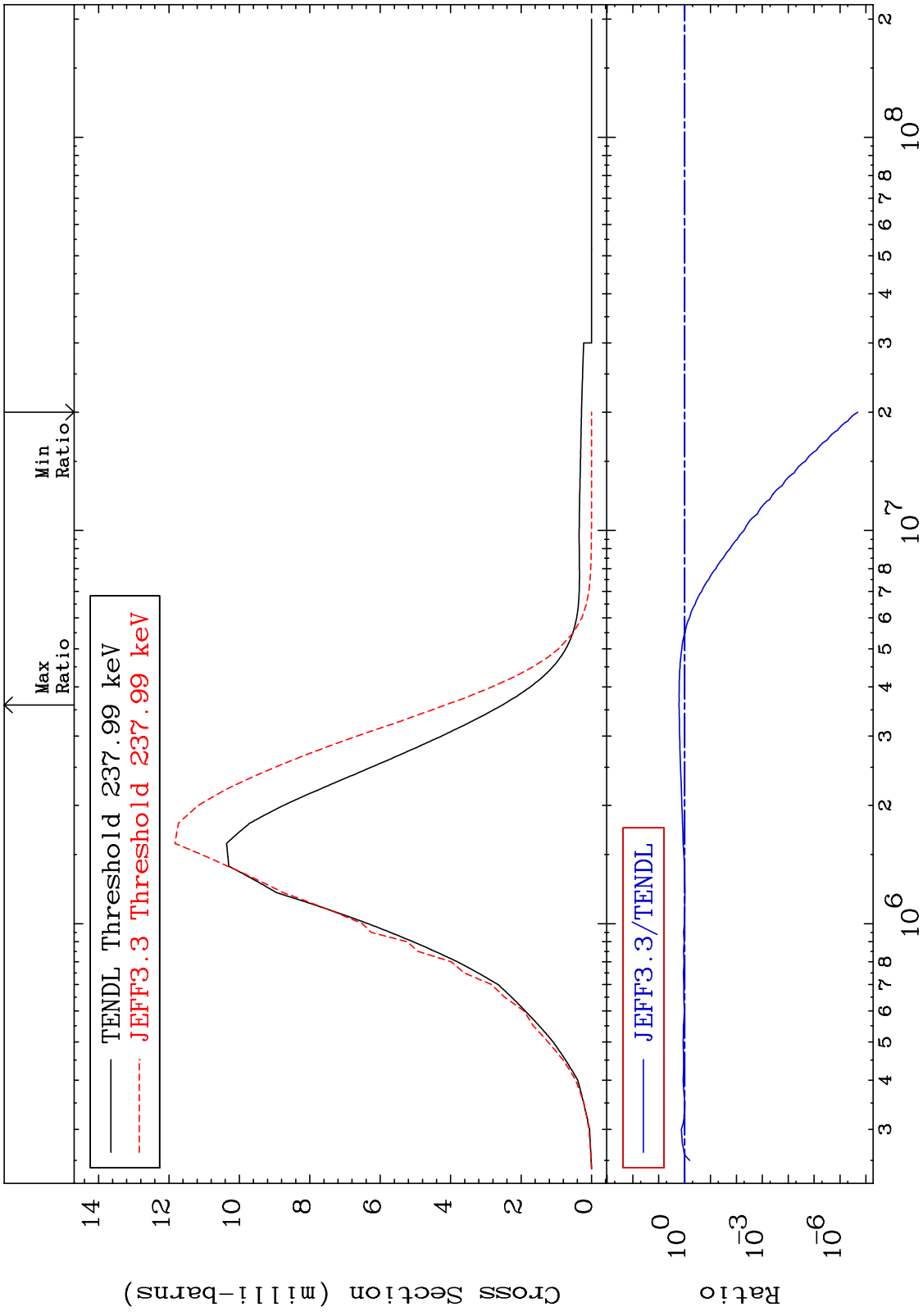
MAT 5440 (n, n') d 54-Xe-129  
 Cross Section 87.26 To 9999. %



MAT 5440 MT= 51 (n,n') Level Cross Section 54-Xe-129 -87.14 To 2904. %



MAT 5440 MT= 52 (n,n') Level Cross Section 54-Xe-129 -100.0 To 64.28 %

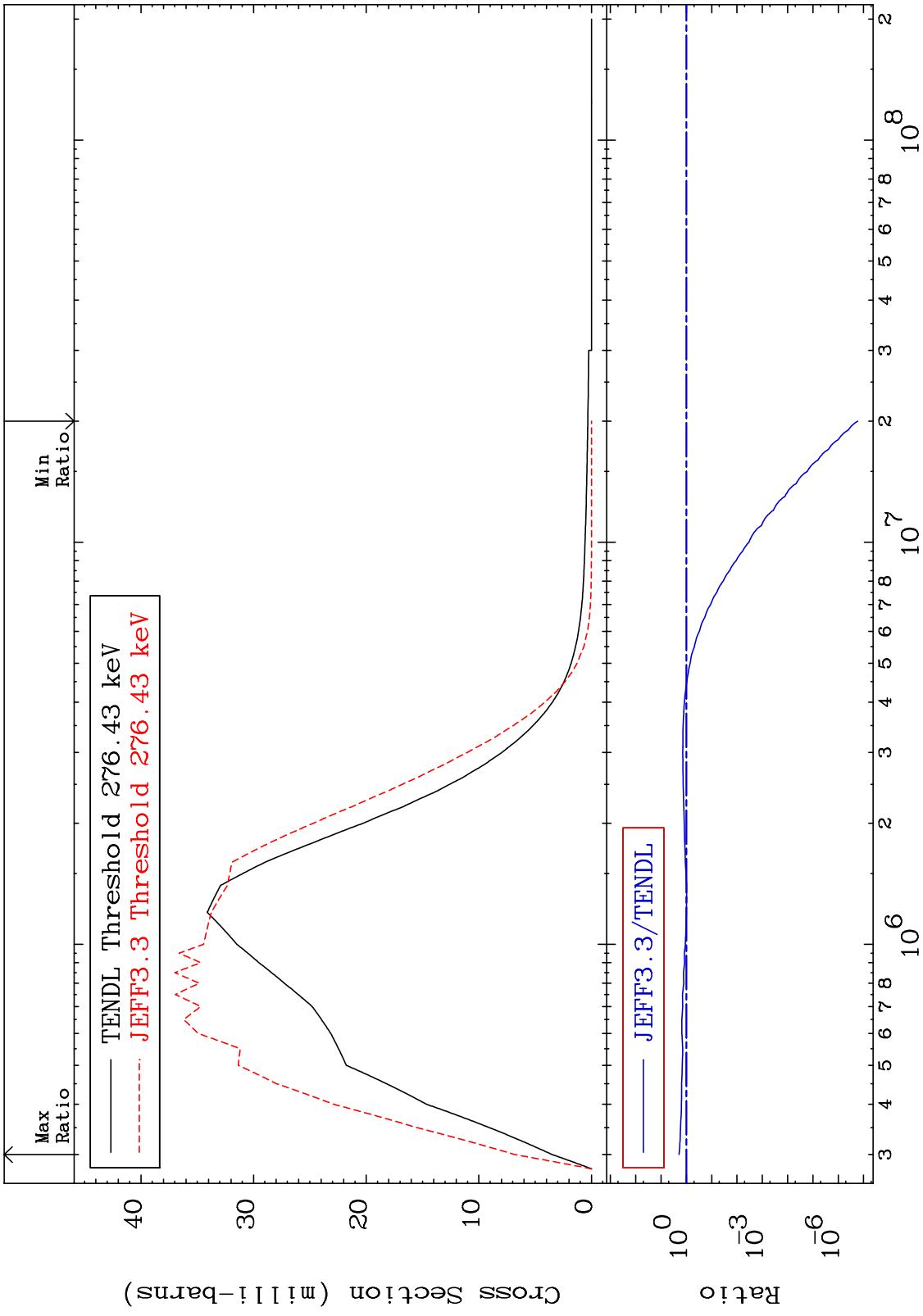


— TENDL Threshold 237.99 keV  
 - - - JEFF3.3 Threshold 237.99 keV

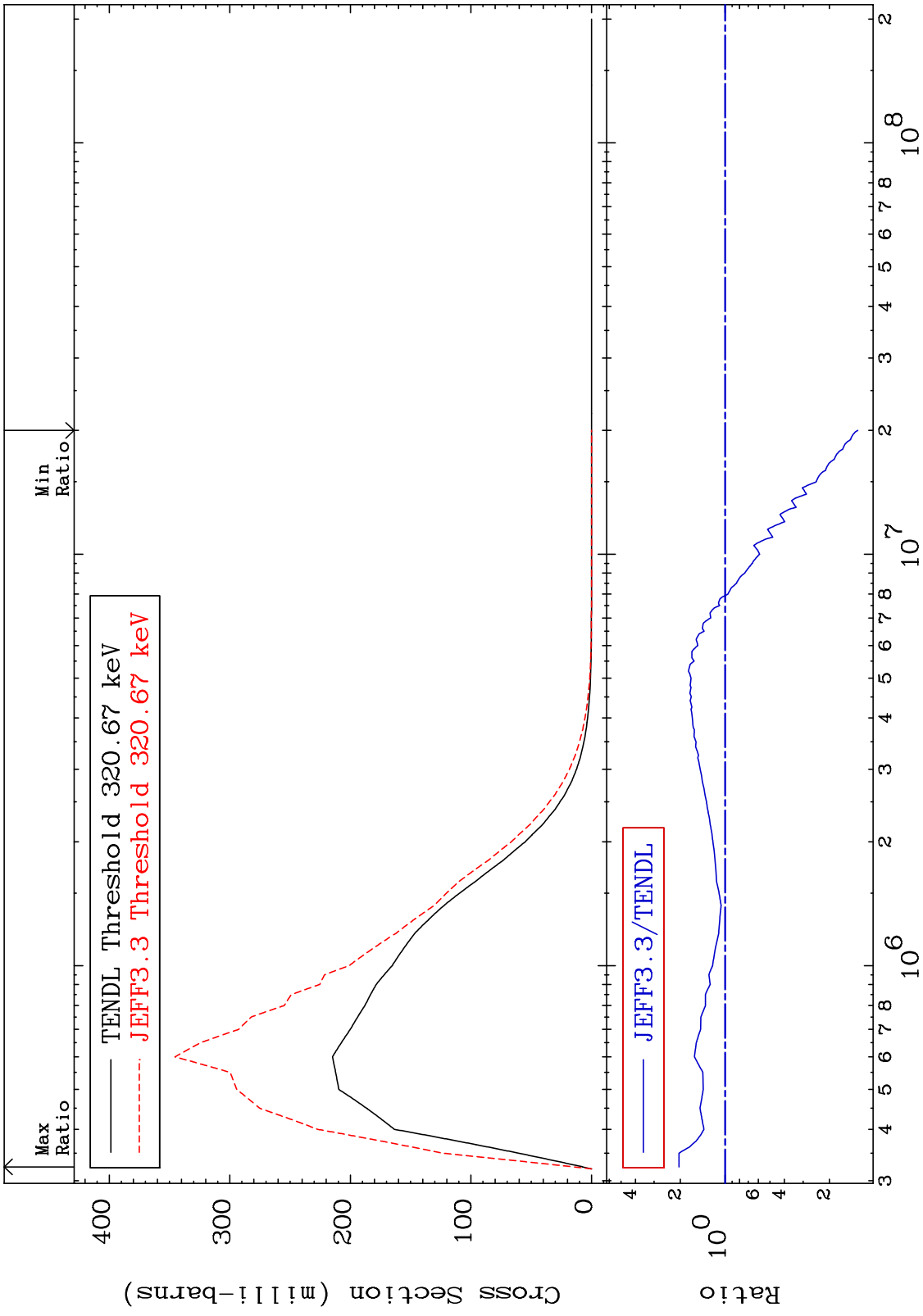
— JEFF3.3/TENDL

10 Incident Energy (eV) 54-Xe-129

MAT 5440 MT= 53 (n,n') Level Cross Section 54-Xe-129  
 -100.0 To 94.70 %

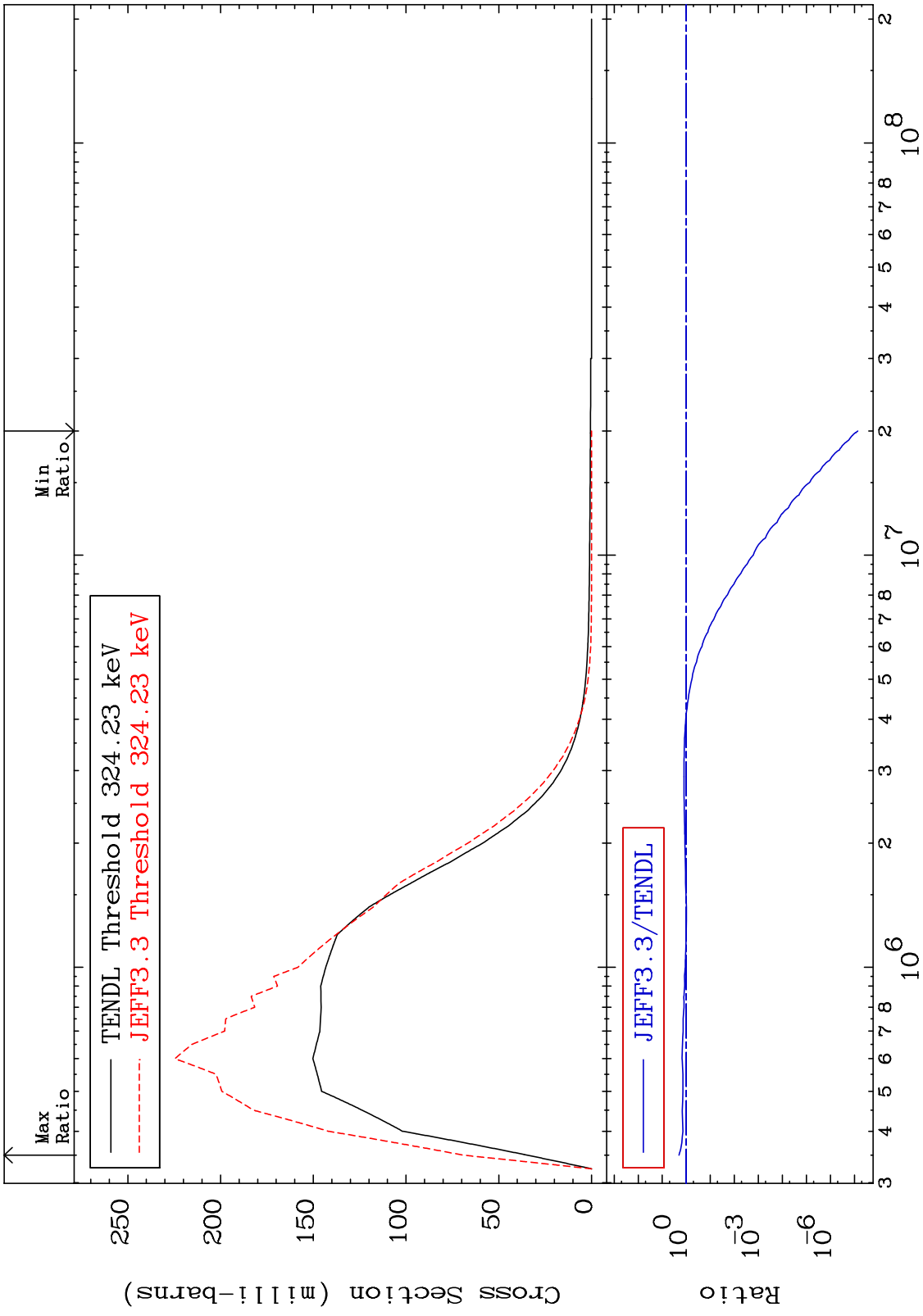


MAT 5440 MT= 54 (n,n') Level Cross Section 54-Xe-129 -87.14 To 104.1 %

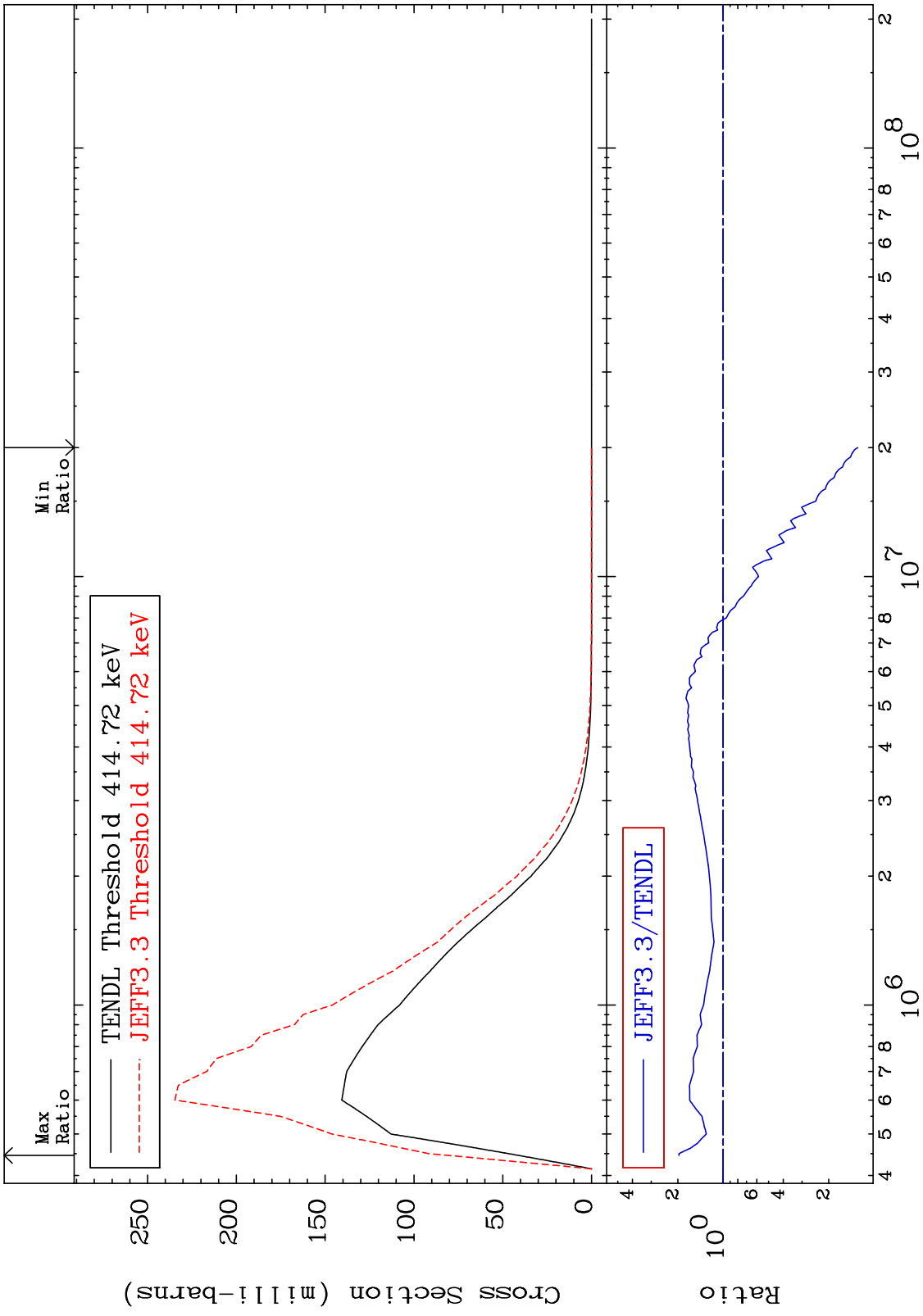


12 54-Xe-129

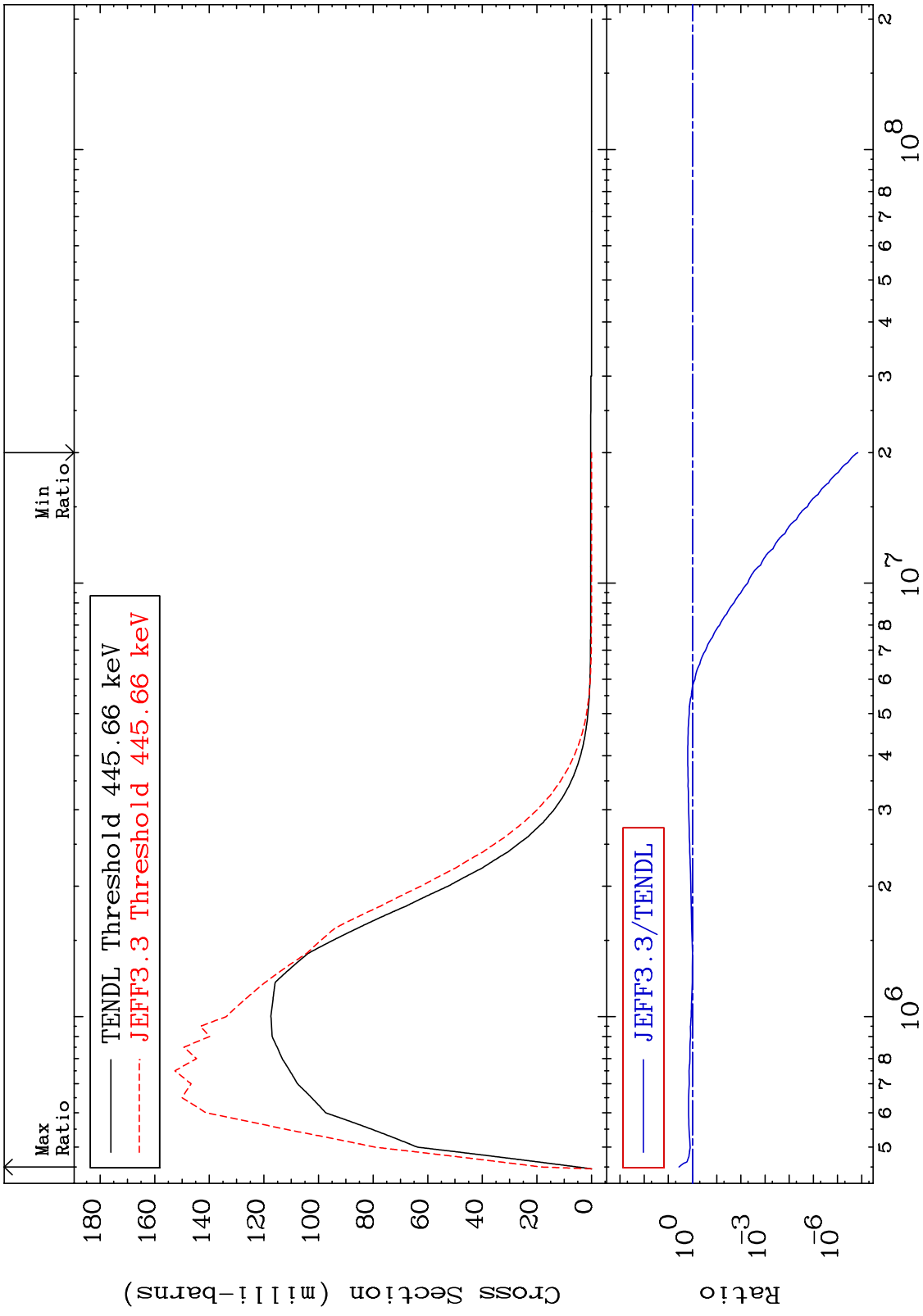
MAT 5440 MT= 55 (n,n') Level Cross Section 54-Xe-129  
 -100.0 To 99.69 %



MAT 5440 MT= 56 (n,n') Level Cross Section 54-Xe-129 -87.17 To 96.20 %

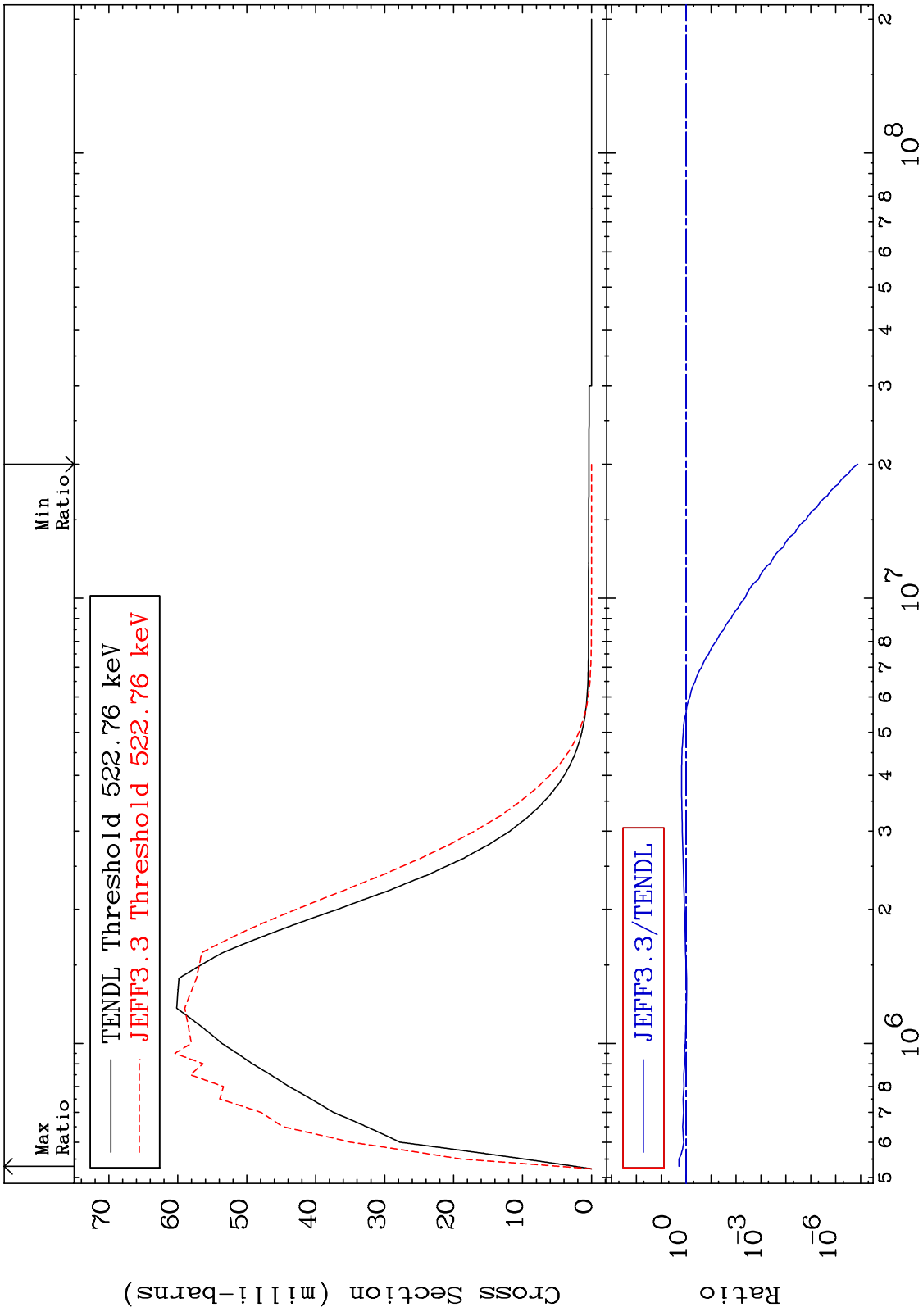


MAT 5440 MT= 57 (n,n') Level Cross Section 54-Xe-129 -100.0 To 261.3 %

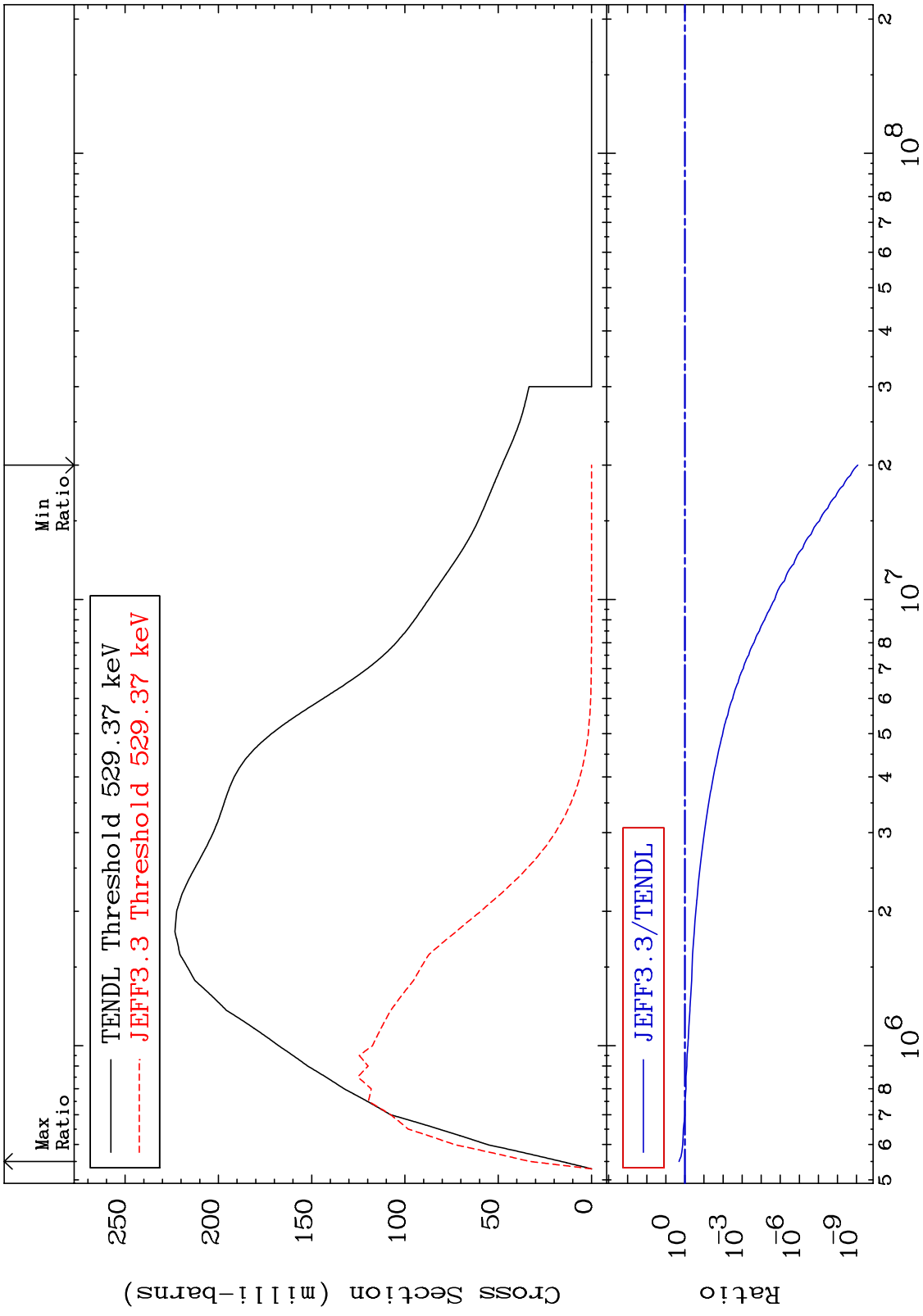




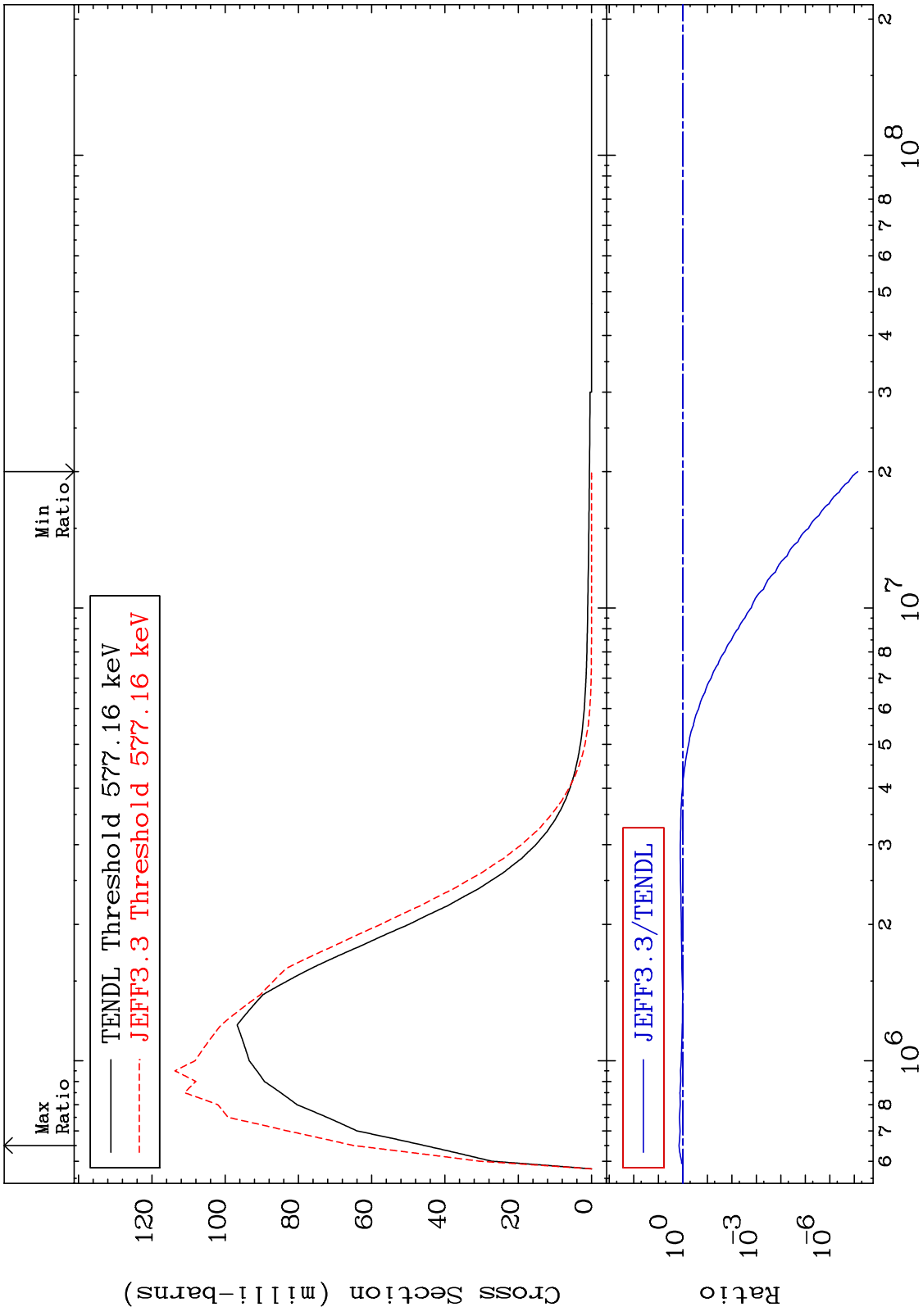
MAT 5440 MT= 58 (n,n') Level Cross Section 54-Xe-129 -100.0 To 93.23 %



MAT 5440 MT= 59 (n,n') Level Cross Section 54-Xe-129 -100.0 To 103.2 %

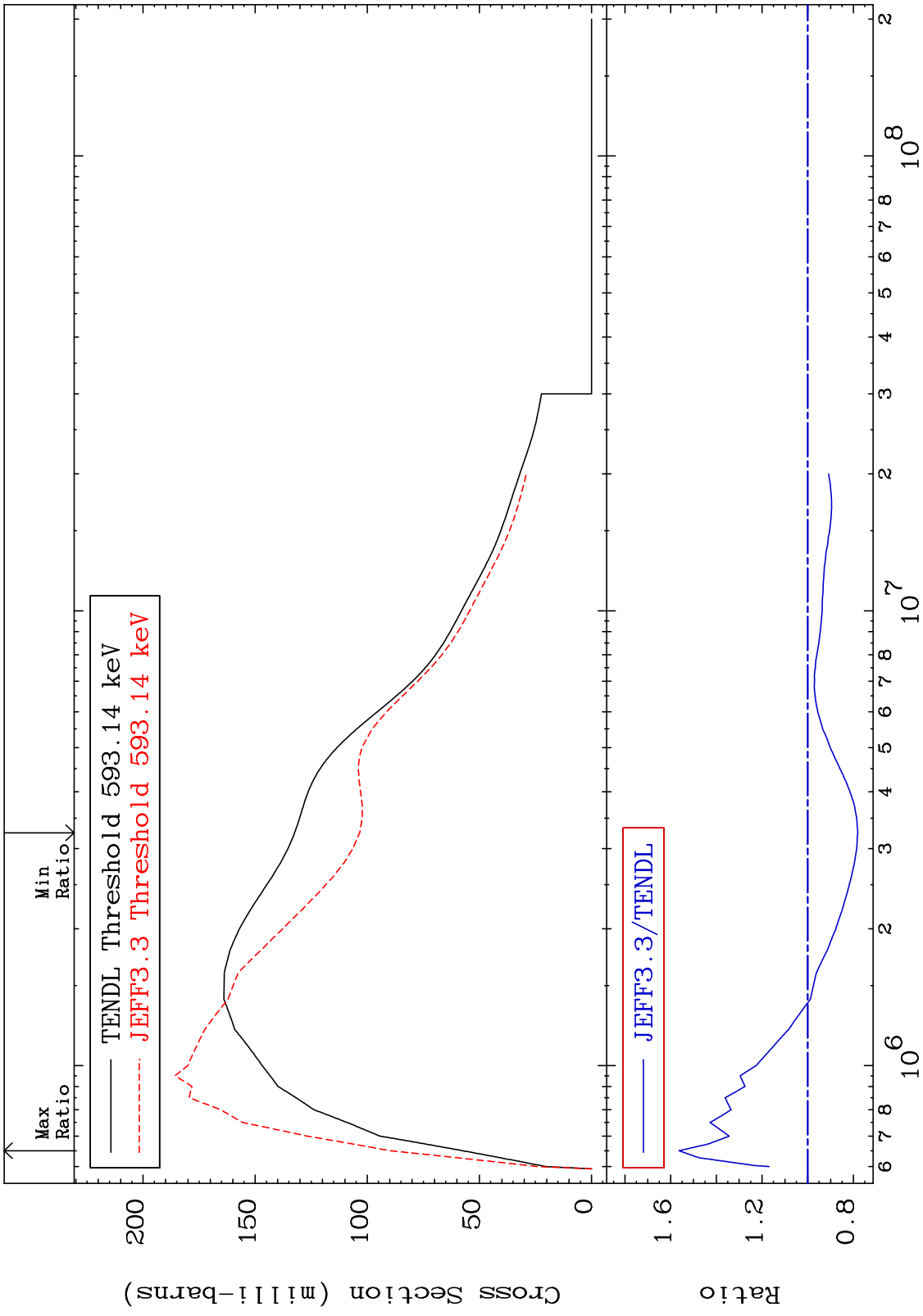


MAT 5440 MT= 60 (n,n') Level Cross Section 54-Xe-129  
 -100.0 To 42.63 %

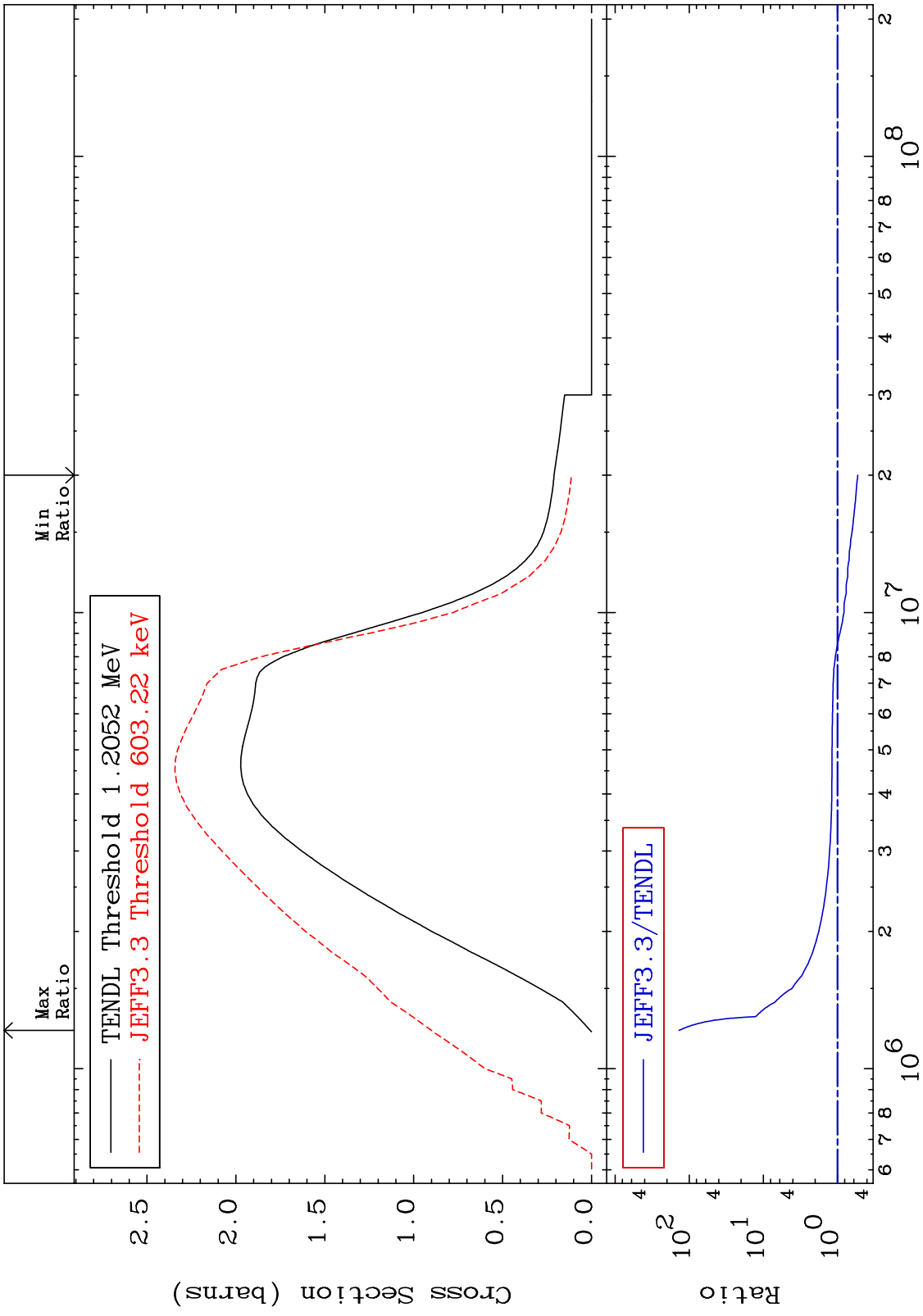


18 54-Xe-129

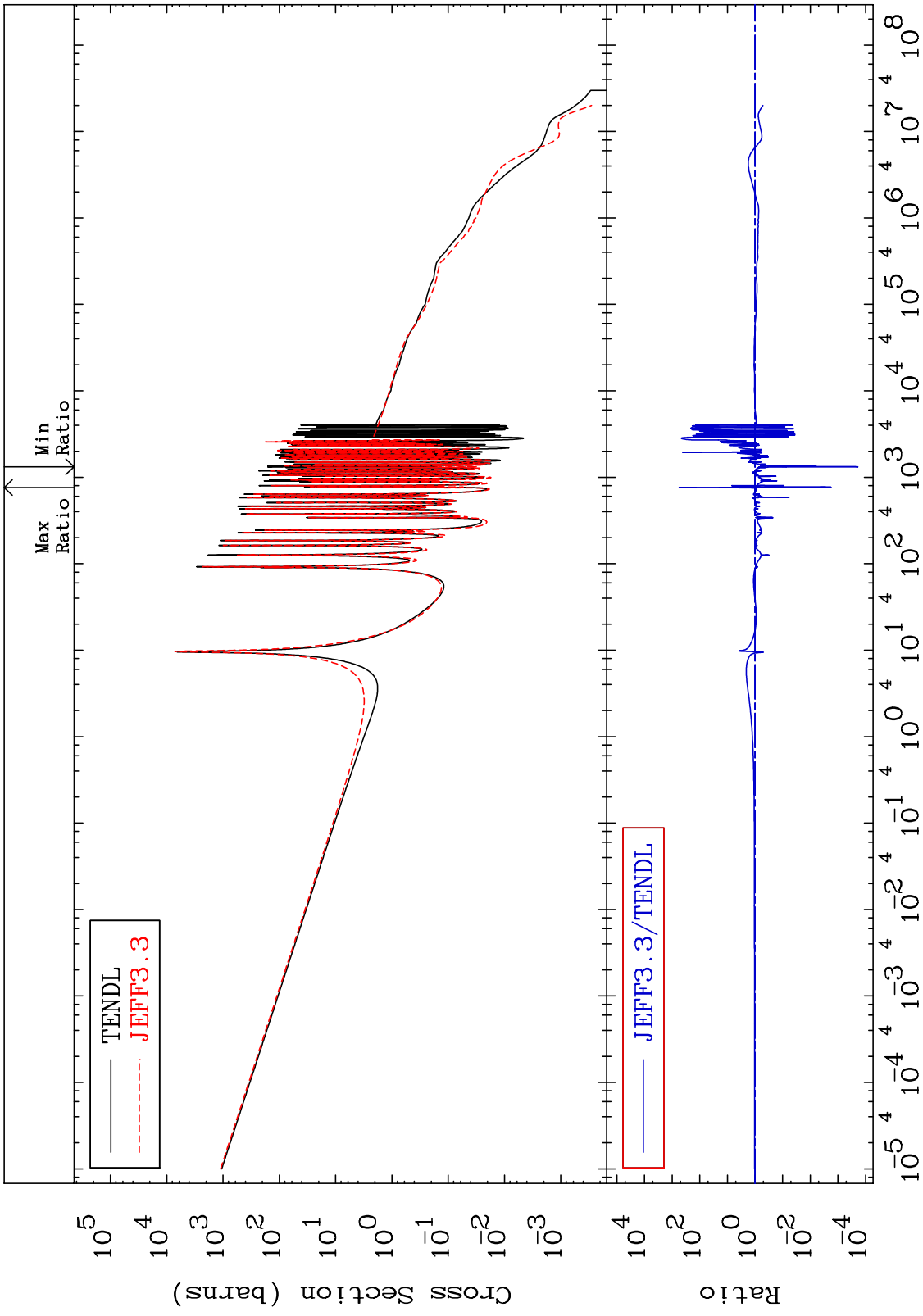
MAT 5440 MT= 61 (n,n') Level Cross Section 54-Xe-129 -21.93 To 56.33 %



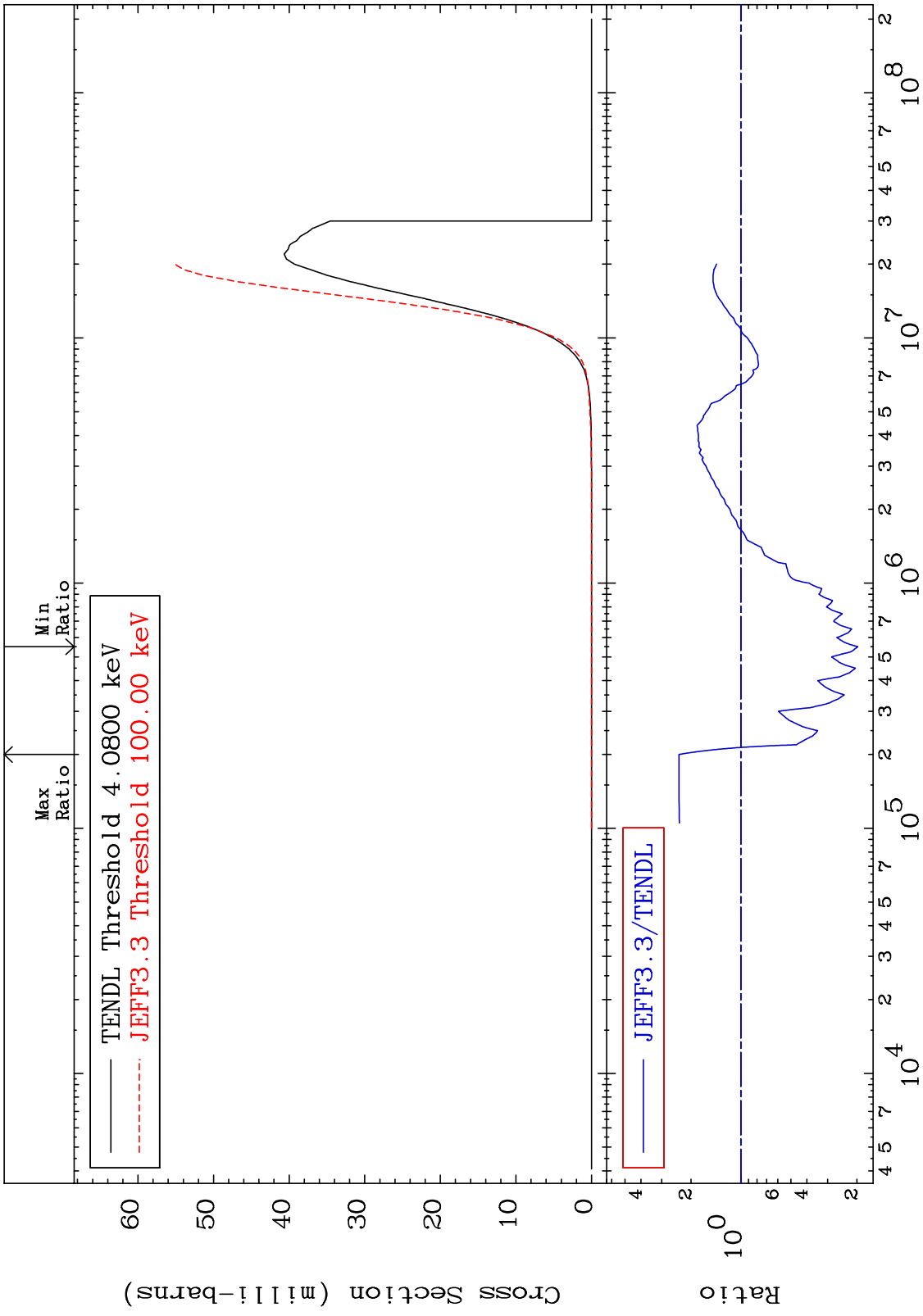
MAT 5440 (n,n') Continuum Cross Section 54-Xe-129 -46.83 To 9999. %



MAT 5440 54-Xe-129  
-99.98 To 9999. %



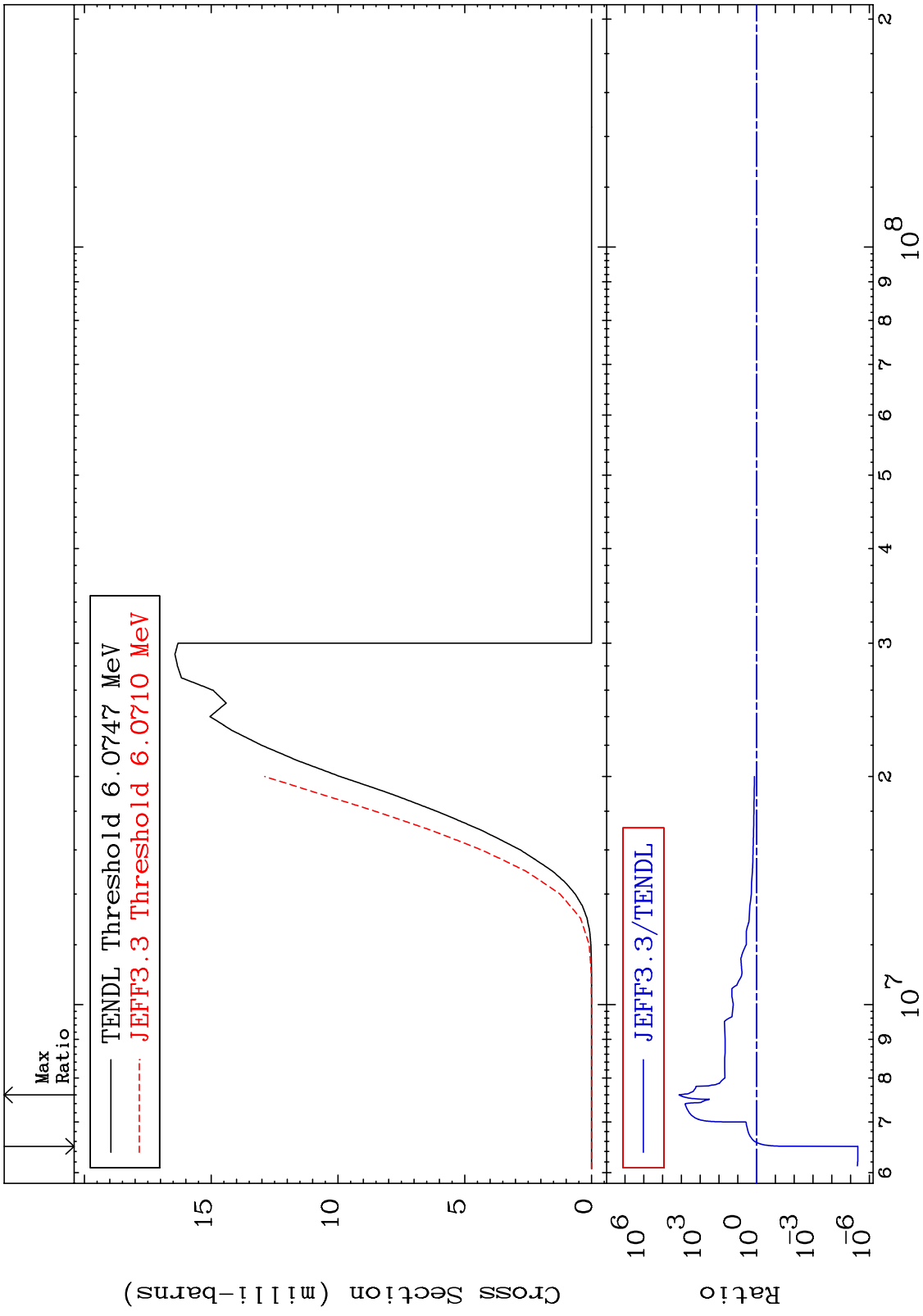
MAT 5440 (n,p) Cross Section 54-Xe-129 -80.27 To 135.9 %



— TENDL Threshold 4.0800 keV  
 - - - JEFF3.3 Threshold 100.00 keV

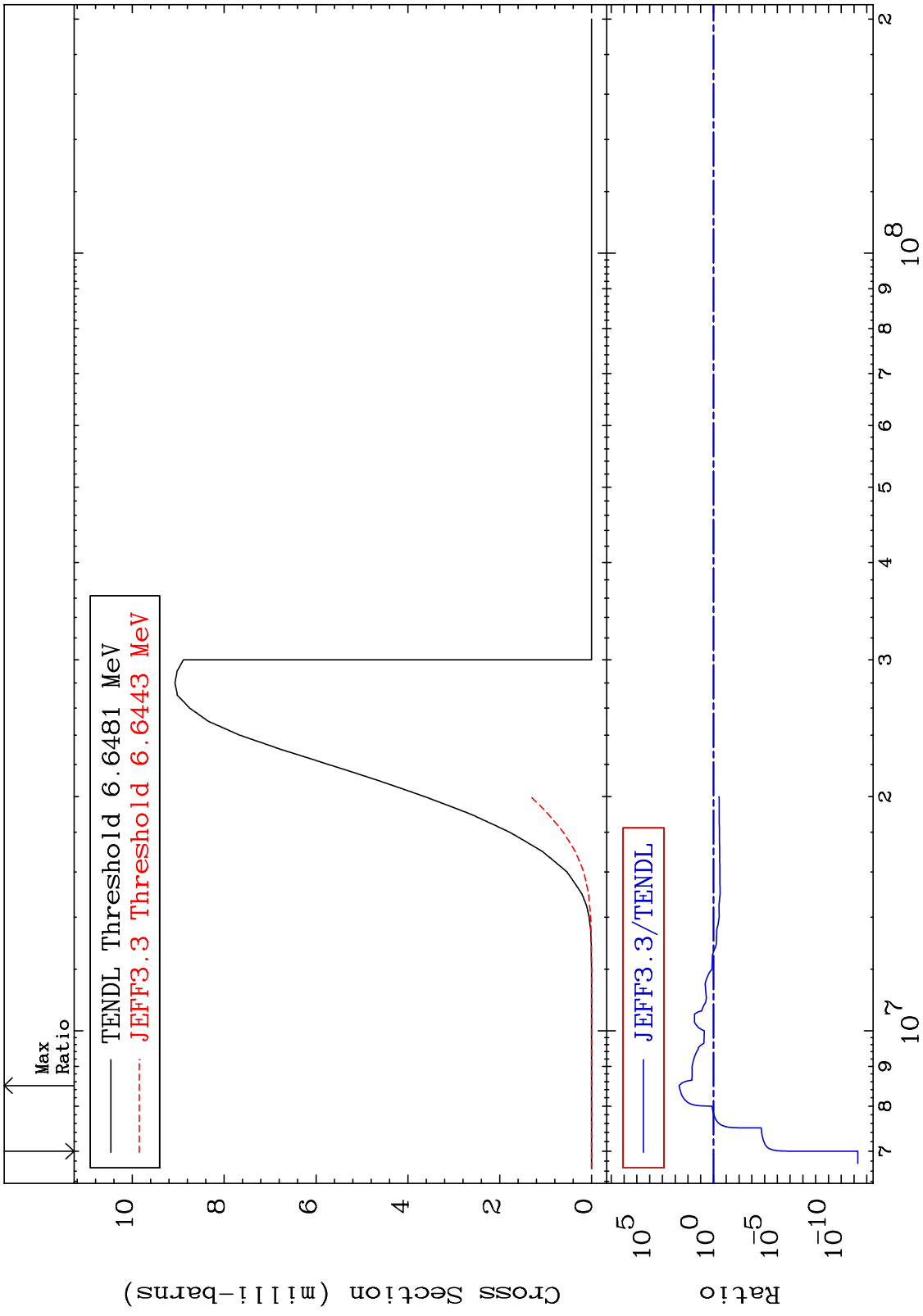
— JEFF3.3/TENDL

MAT 5440 (n,d) 54-Xe-129  
Cross Section -100.0 To 9999. %

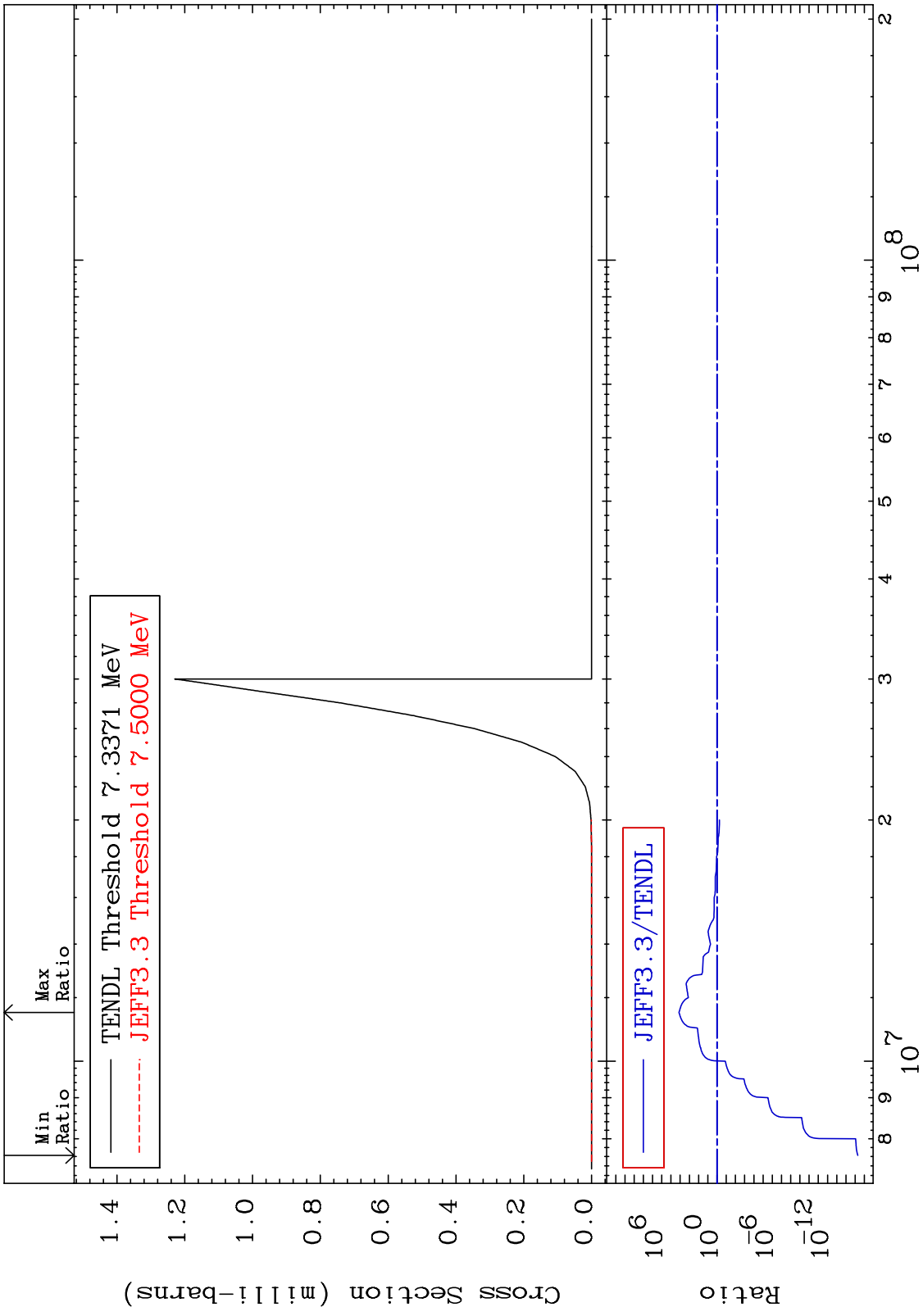




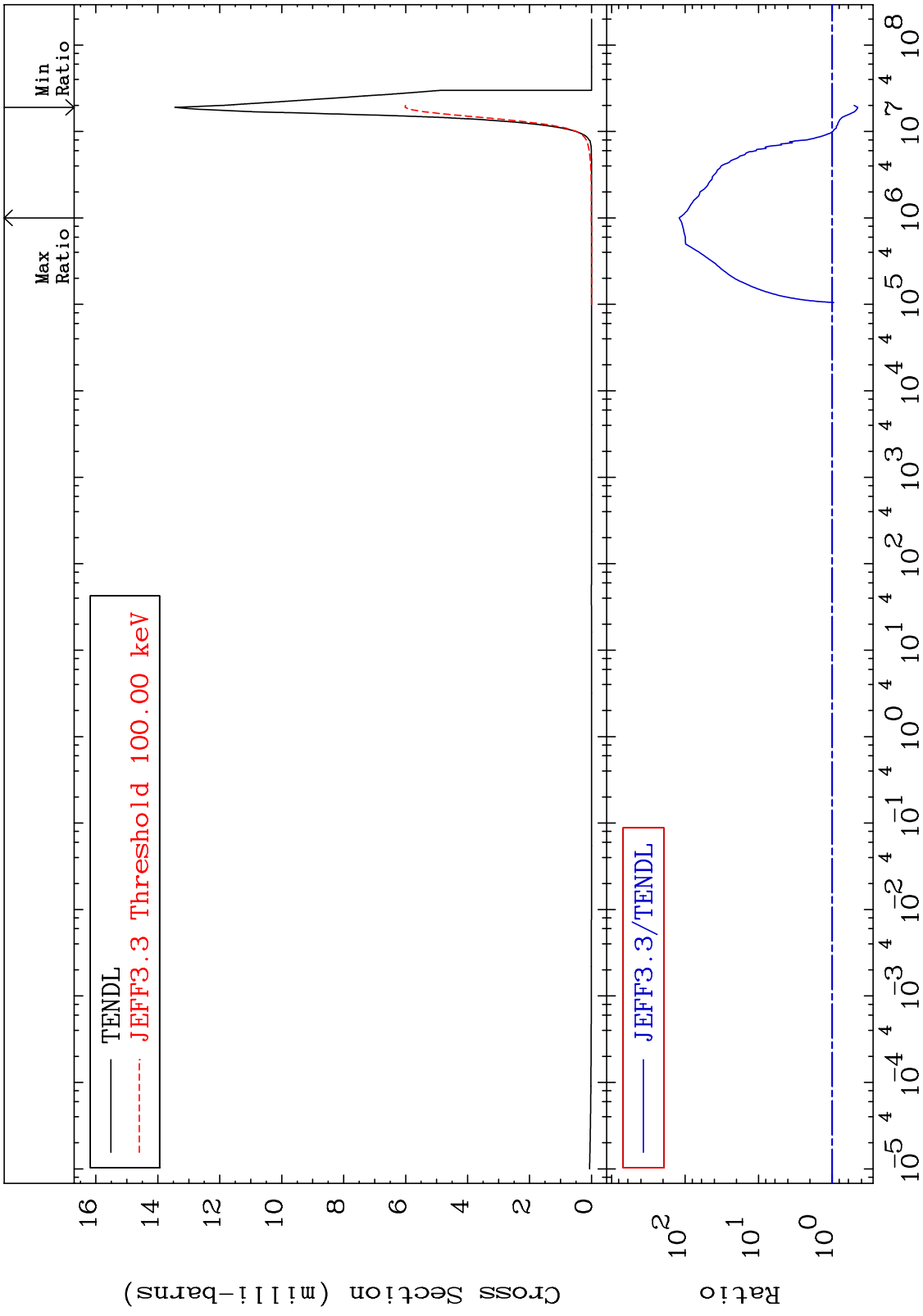
MAT 5440 (n,t) 54-Xe-129  
 Cross Section -100.0 To 9999. %



24 54-Xe-129 Incident Energy (eV)



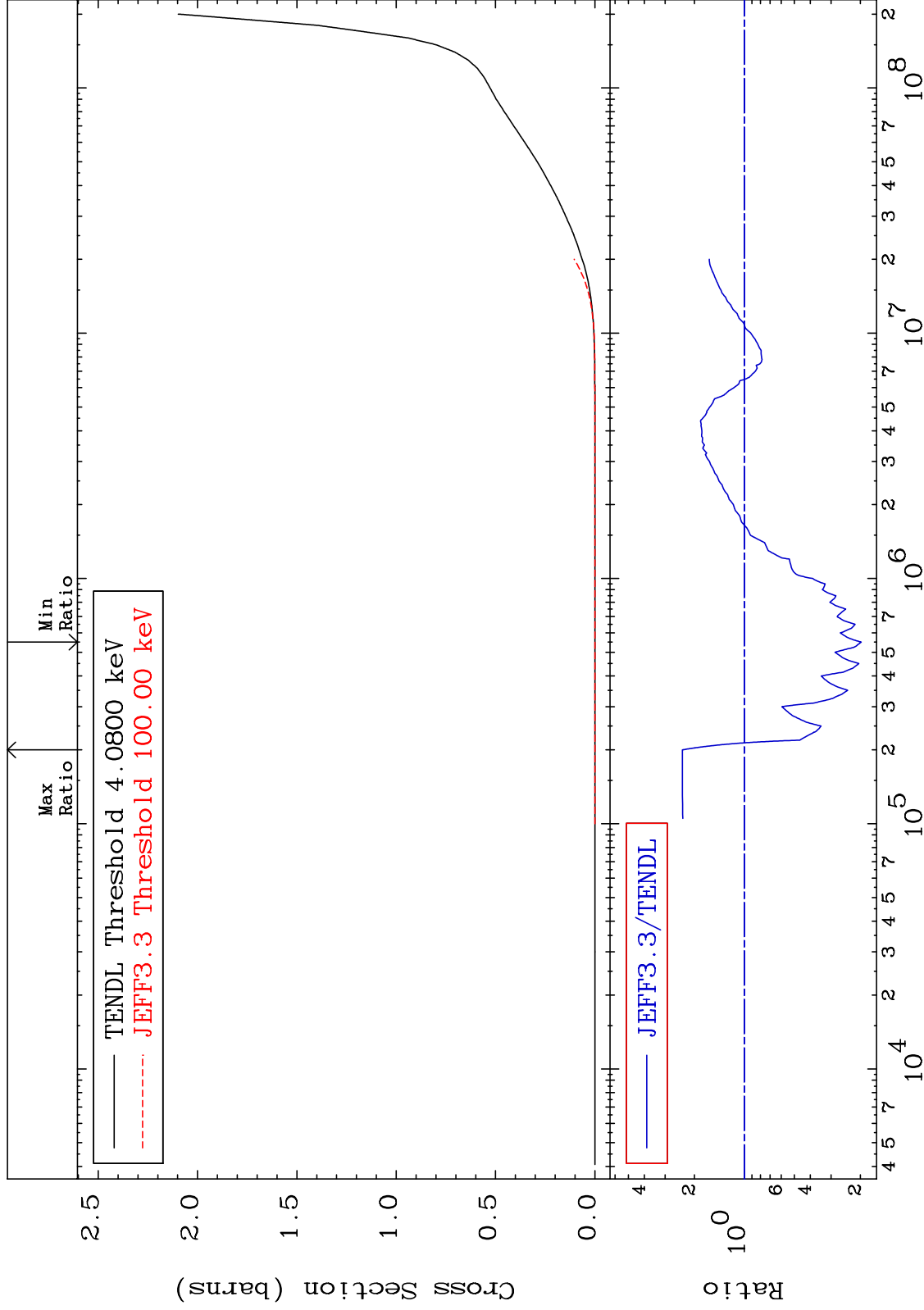
MAT 5440 (n,α) Cross Section 54-Xe-129  
 -55.26 To 9999. %

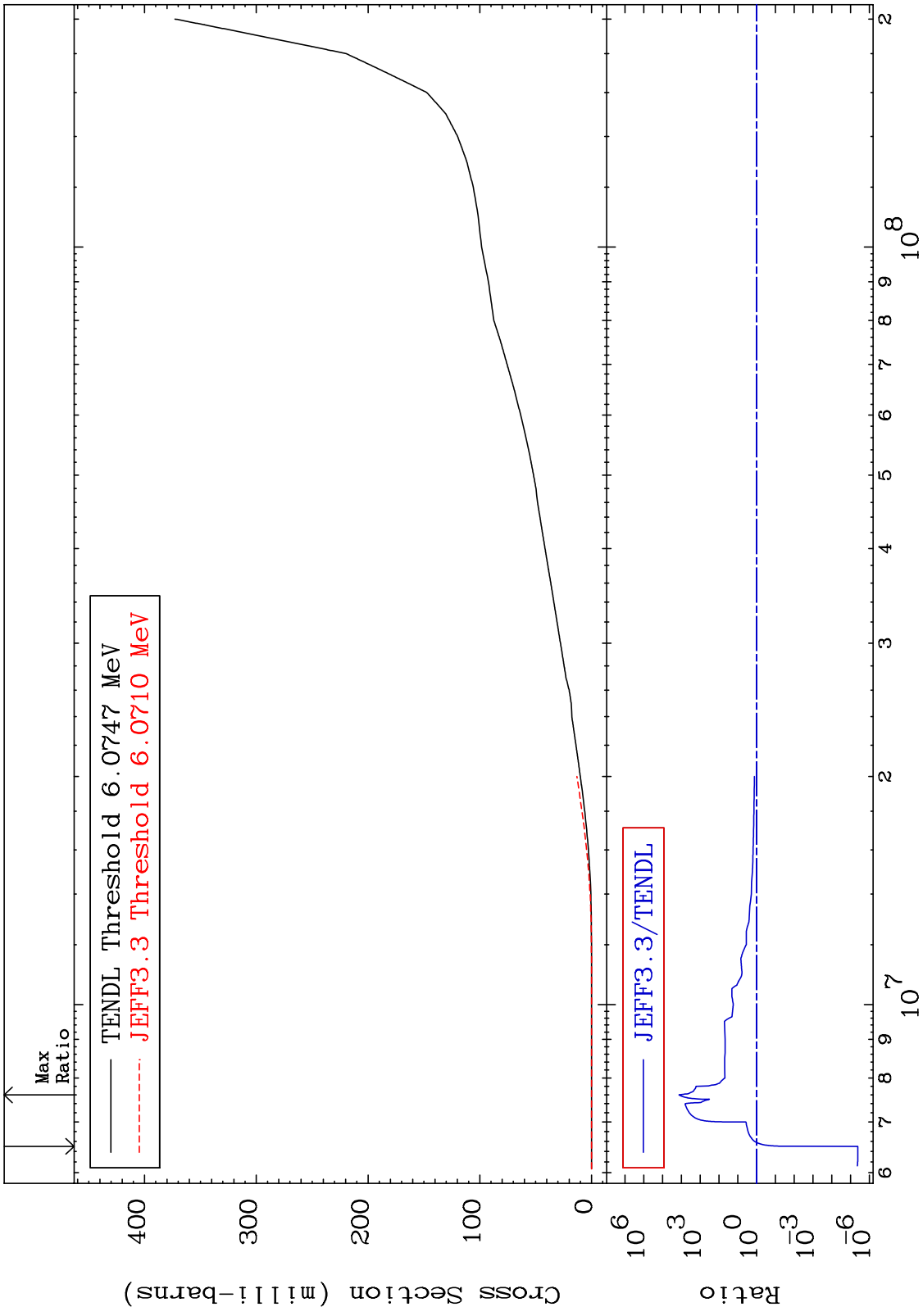


MAT 5440

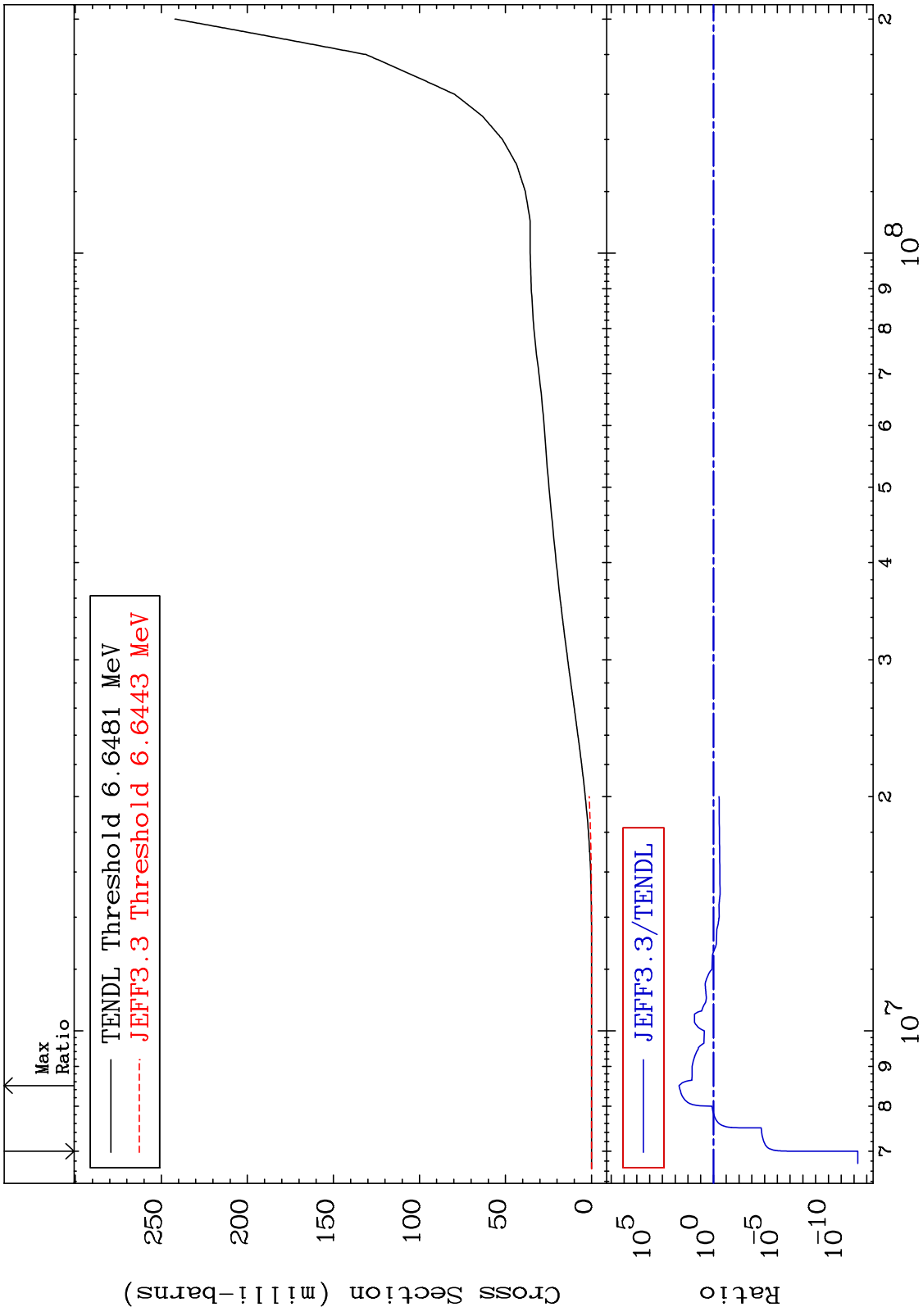
Hydrogen Production  
Cross Section

54-Xe-129  
-80.27 To 135.9 %





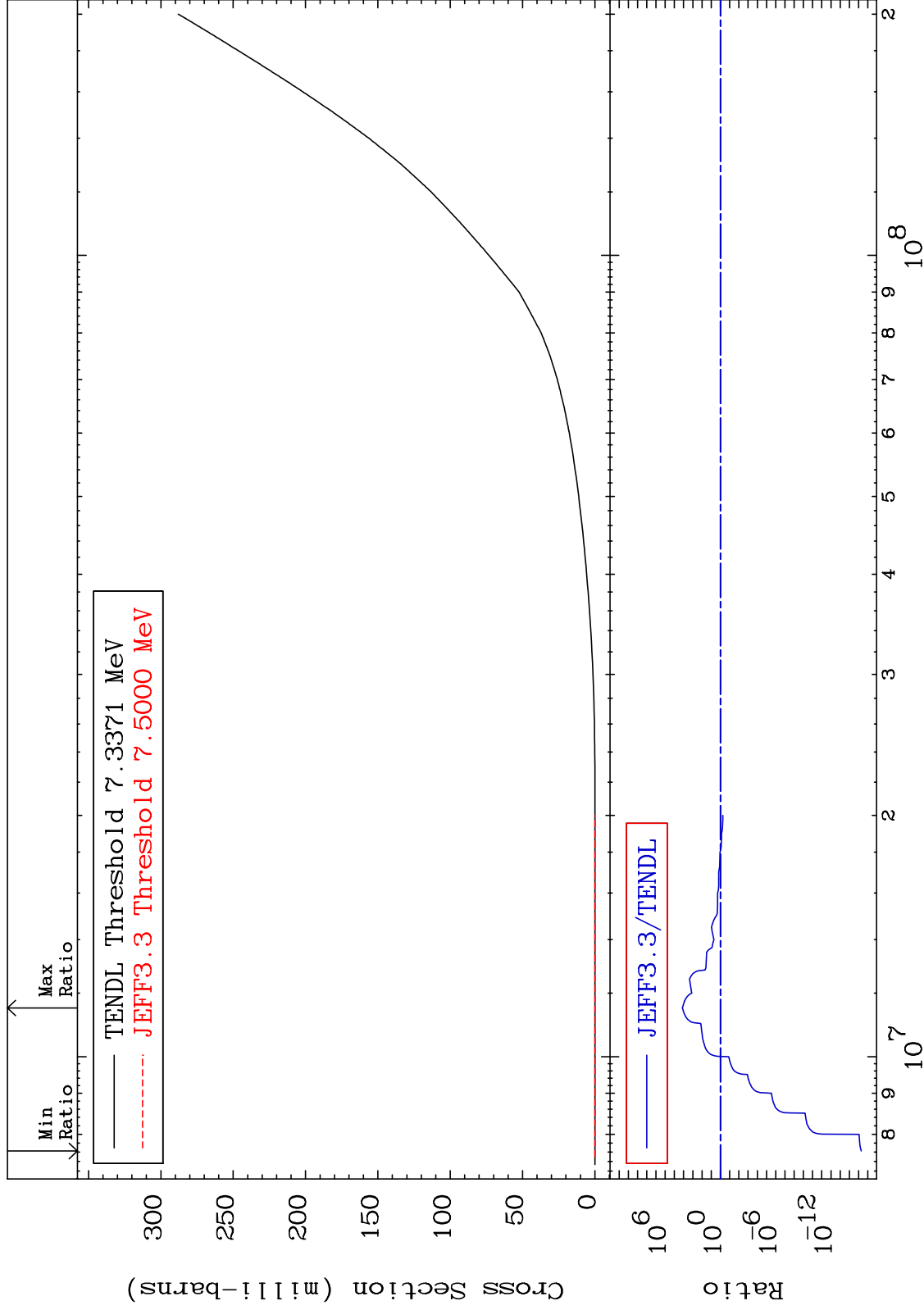
MAT 5440 Tritium Production Cross Section 54-Xe-129 -100.0 To 9999. %



MAT 5440

He-3 Production  
Cross Section

54-Xe-129  
-100.0 To 9999. %



30

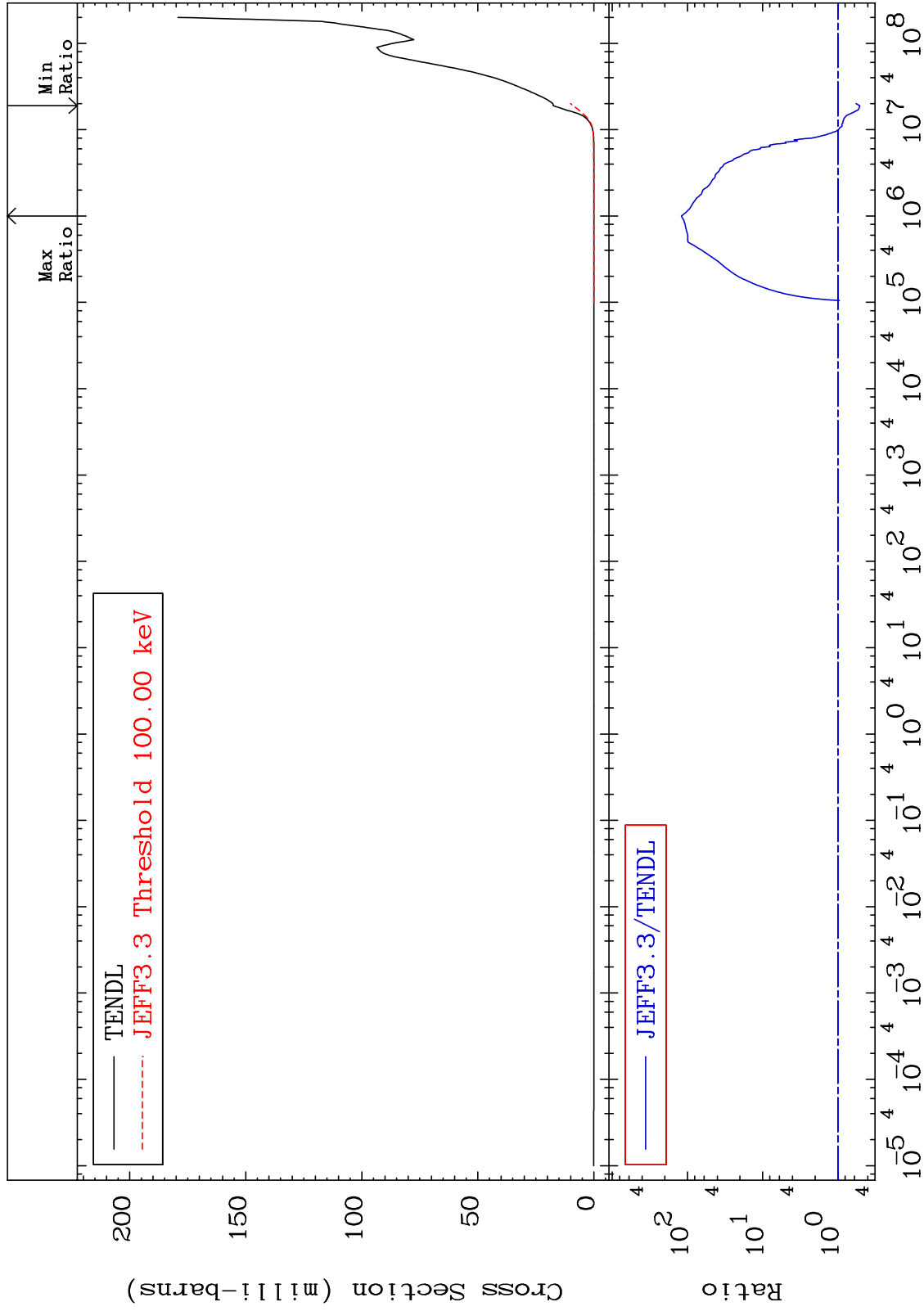
Incident Energy (eV)

54-Xe-129

MAT 5440

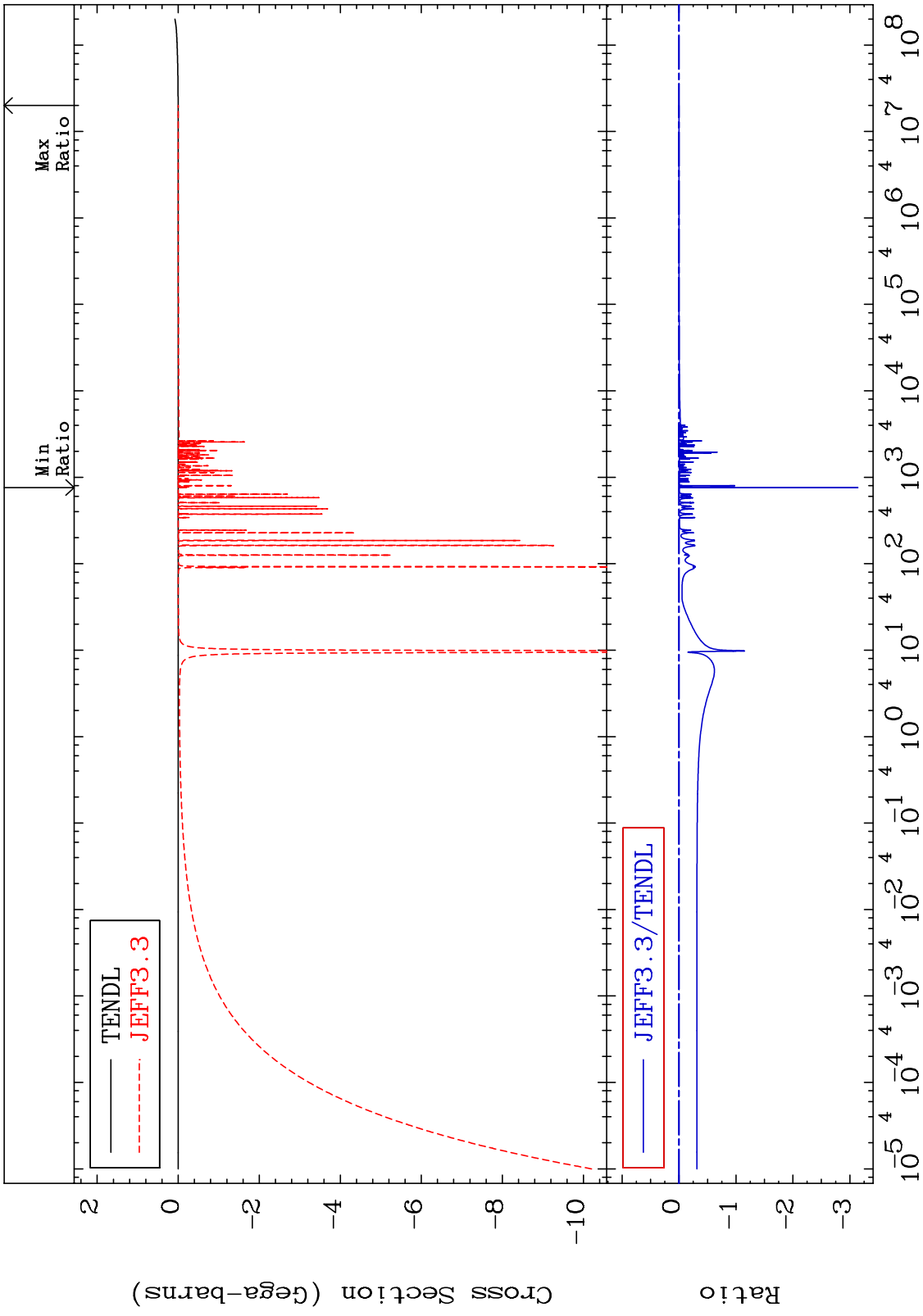
He-4 Production  
Cross Section

54-Xe-129  
-49.00 To 9999. %

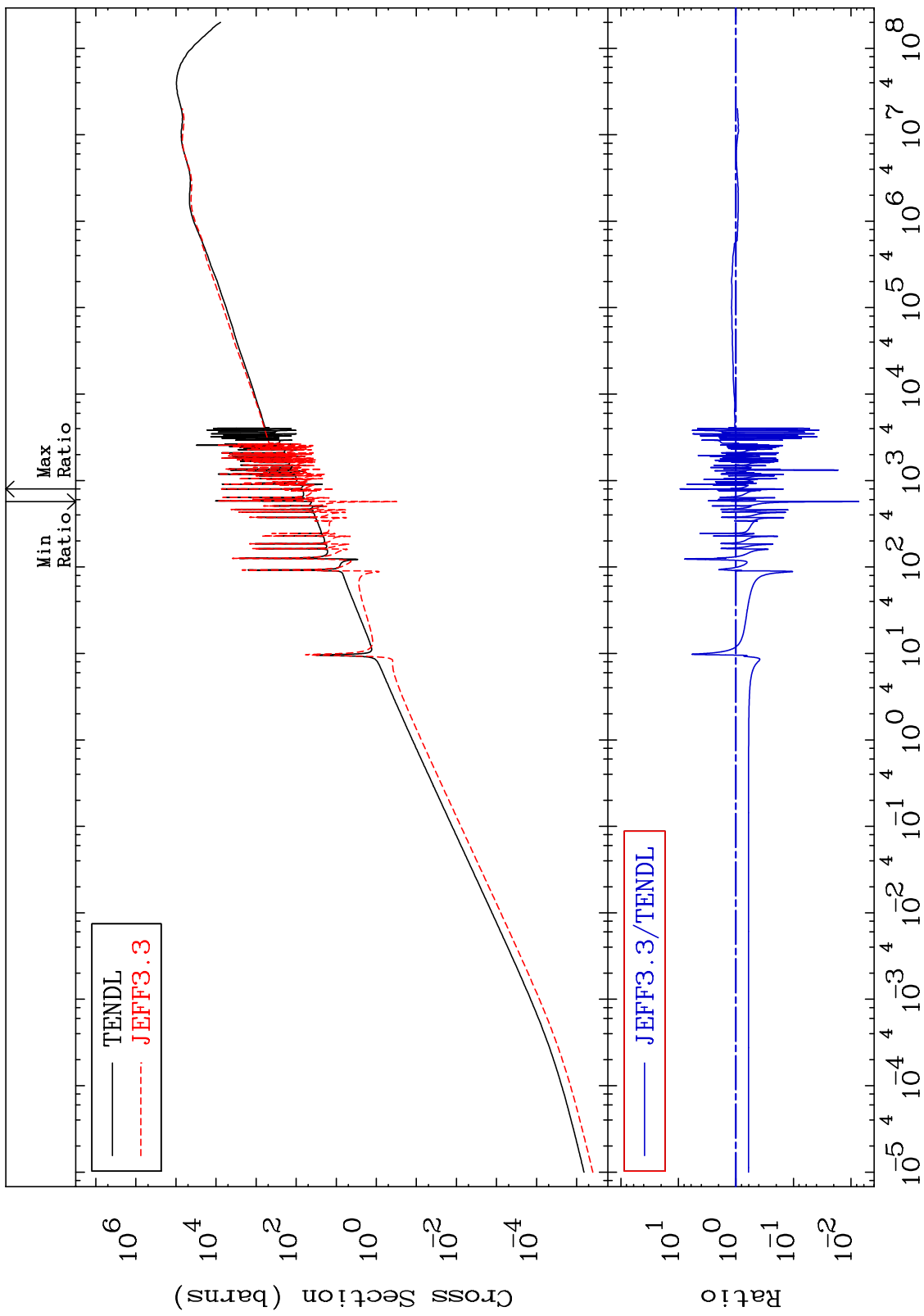




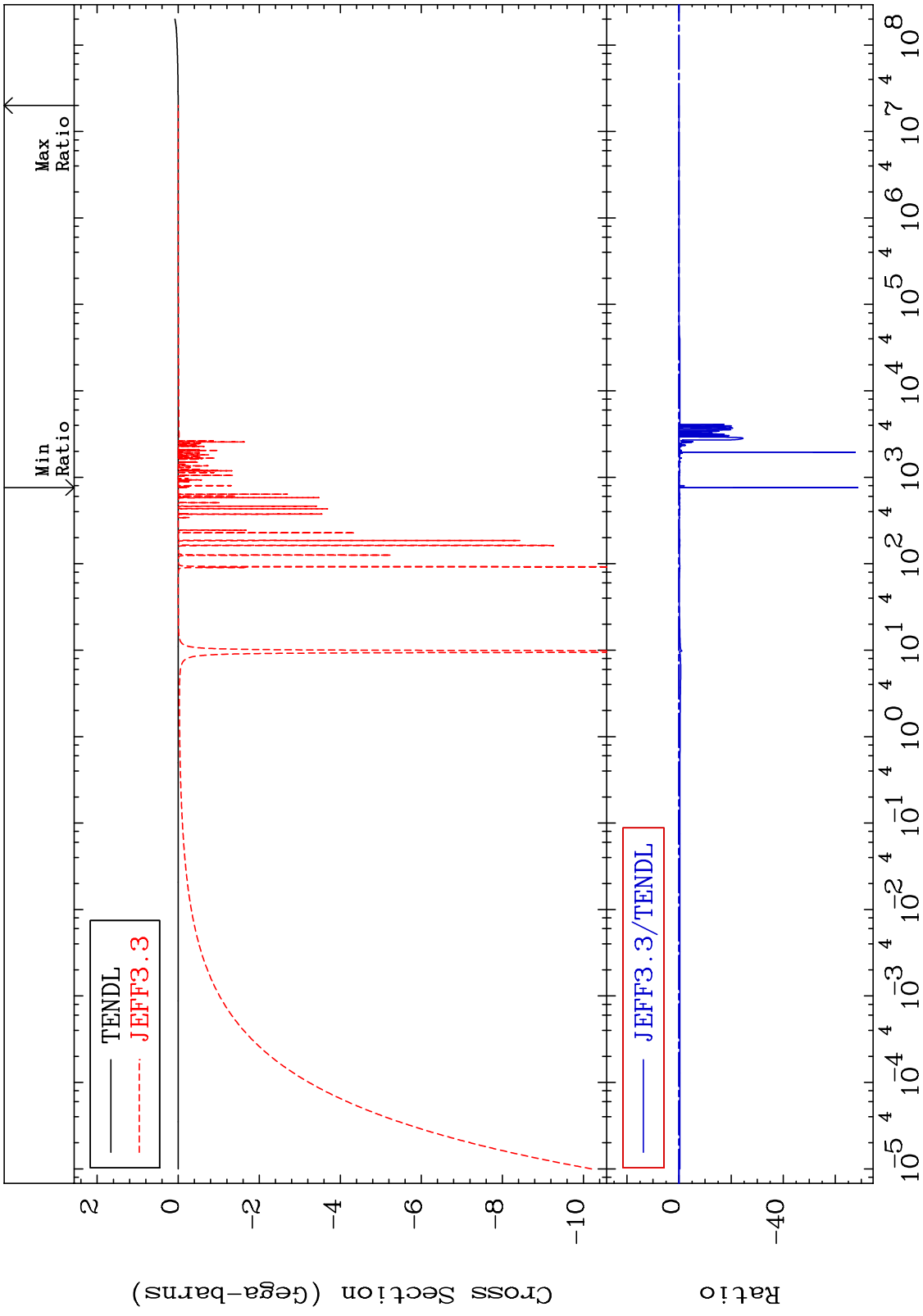
MAT 5440      Kerma total (eV-barns)      54-Xe-129  
 Cross Section      -9999. To -7.996%



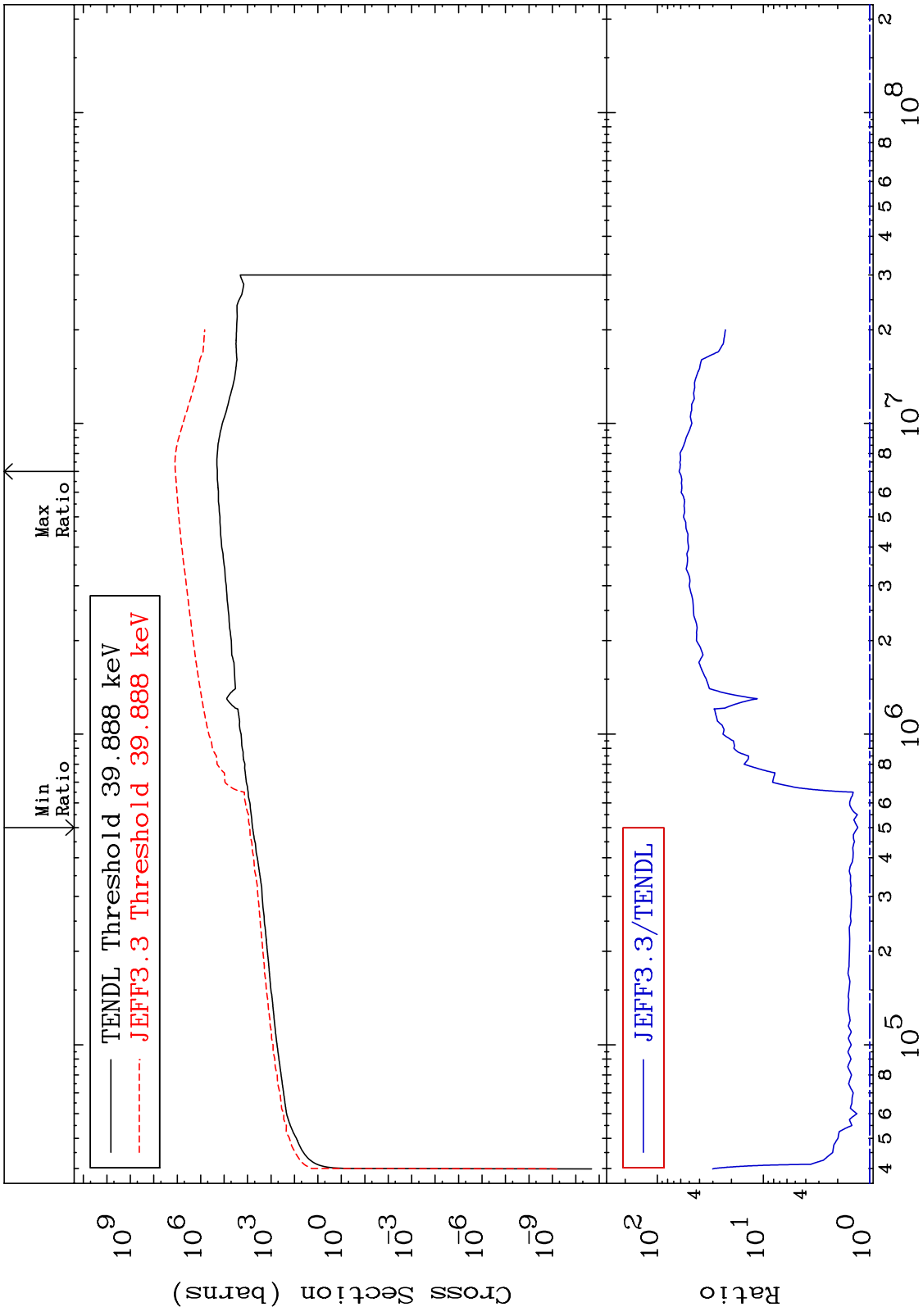
Incident Energy (eV)      54-Xe-129



MAT 5440      Kerma non-elastic (all but mt2)      54-Xe-129  
 Cross Section      -9999. To -8.101%



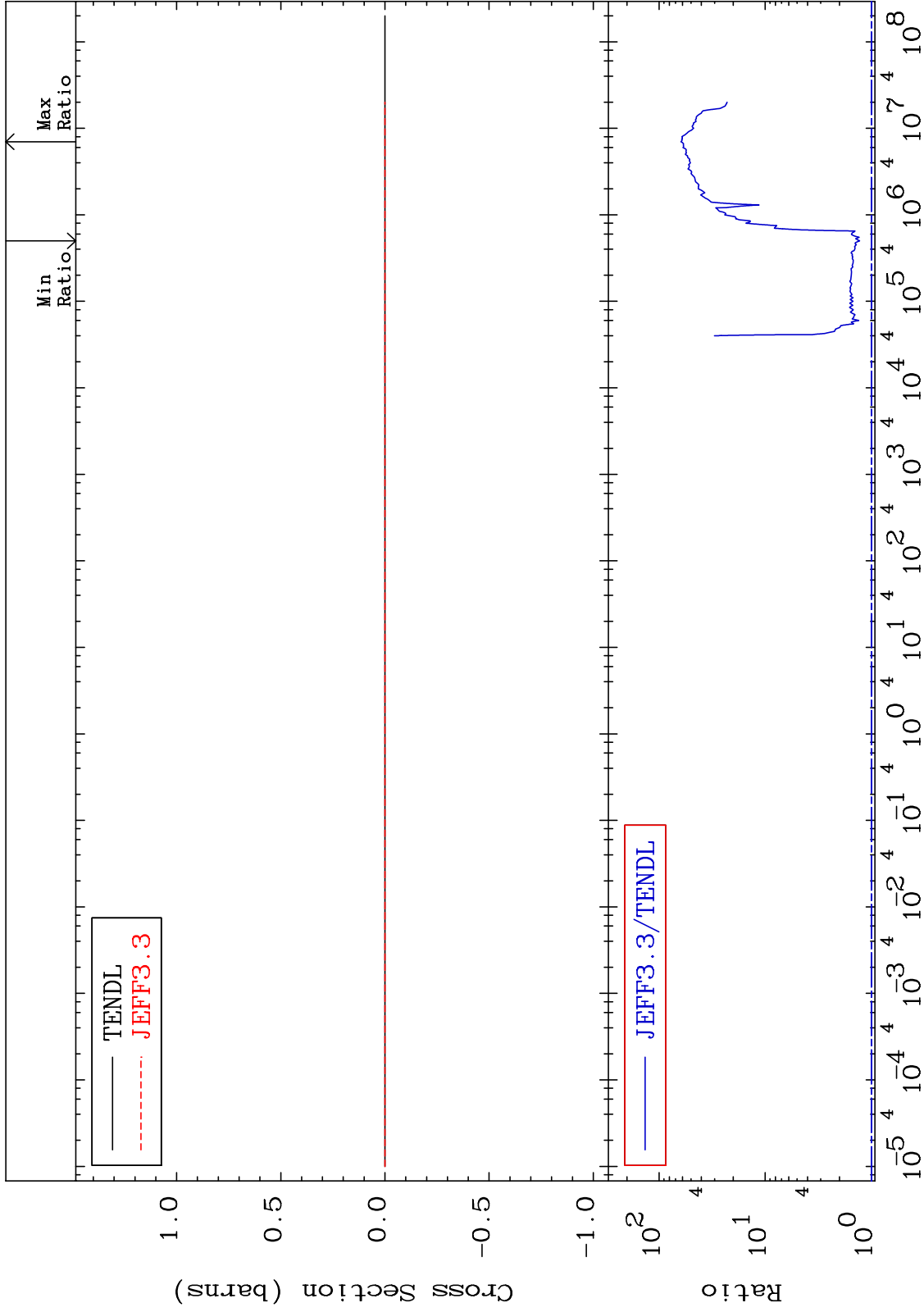
MAT 5440 Kerma inelastic (mt51-91) 54-Xe-129  
 Cross Section 28.98 To 6134. %



MAT 5440

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

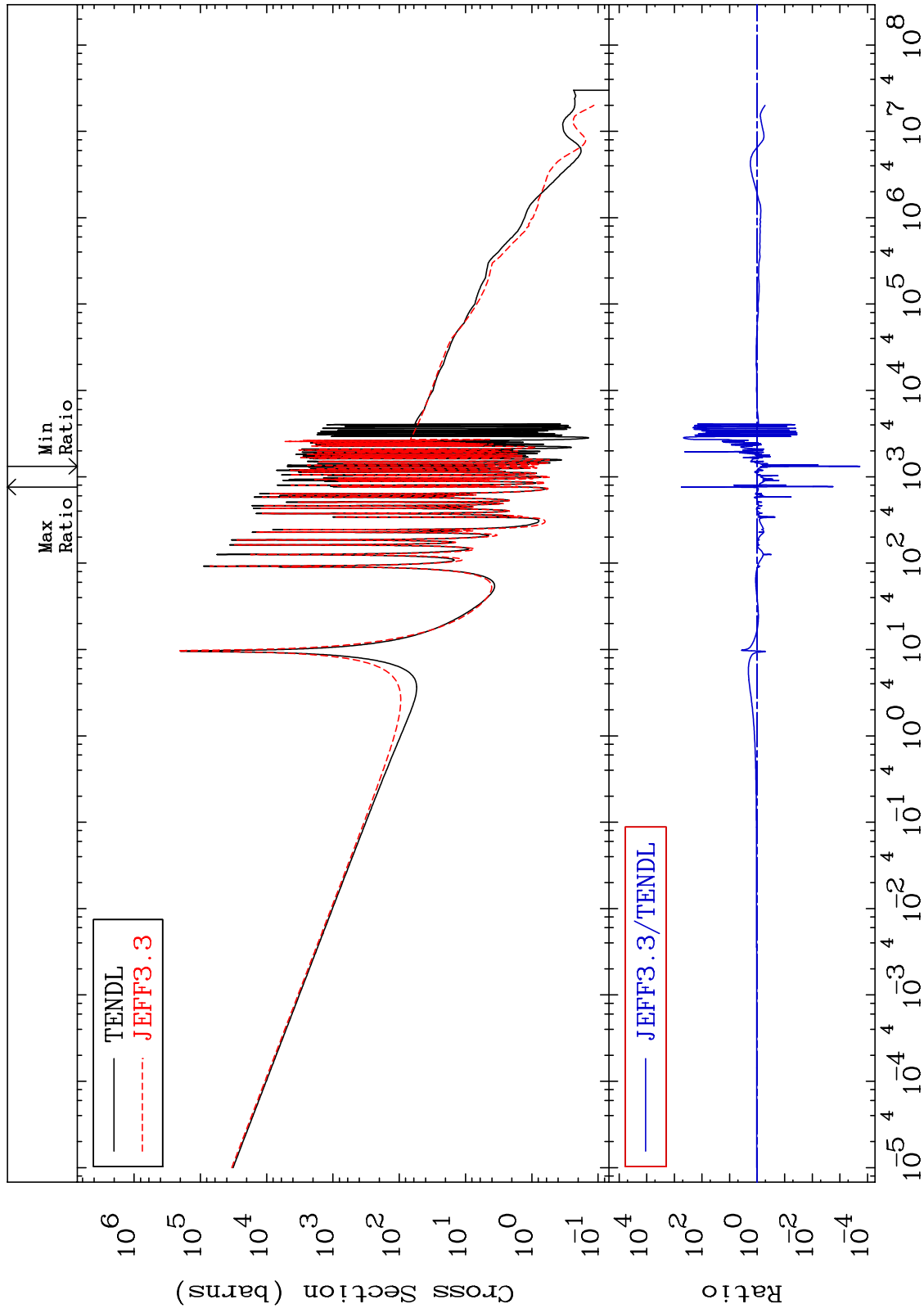
54-Xe-129  
28.98 To 6134. %



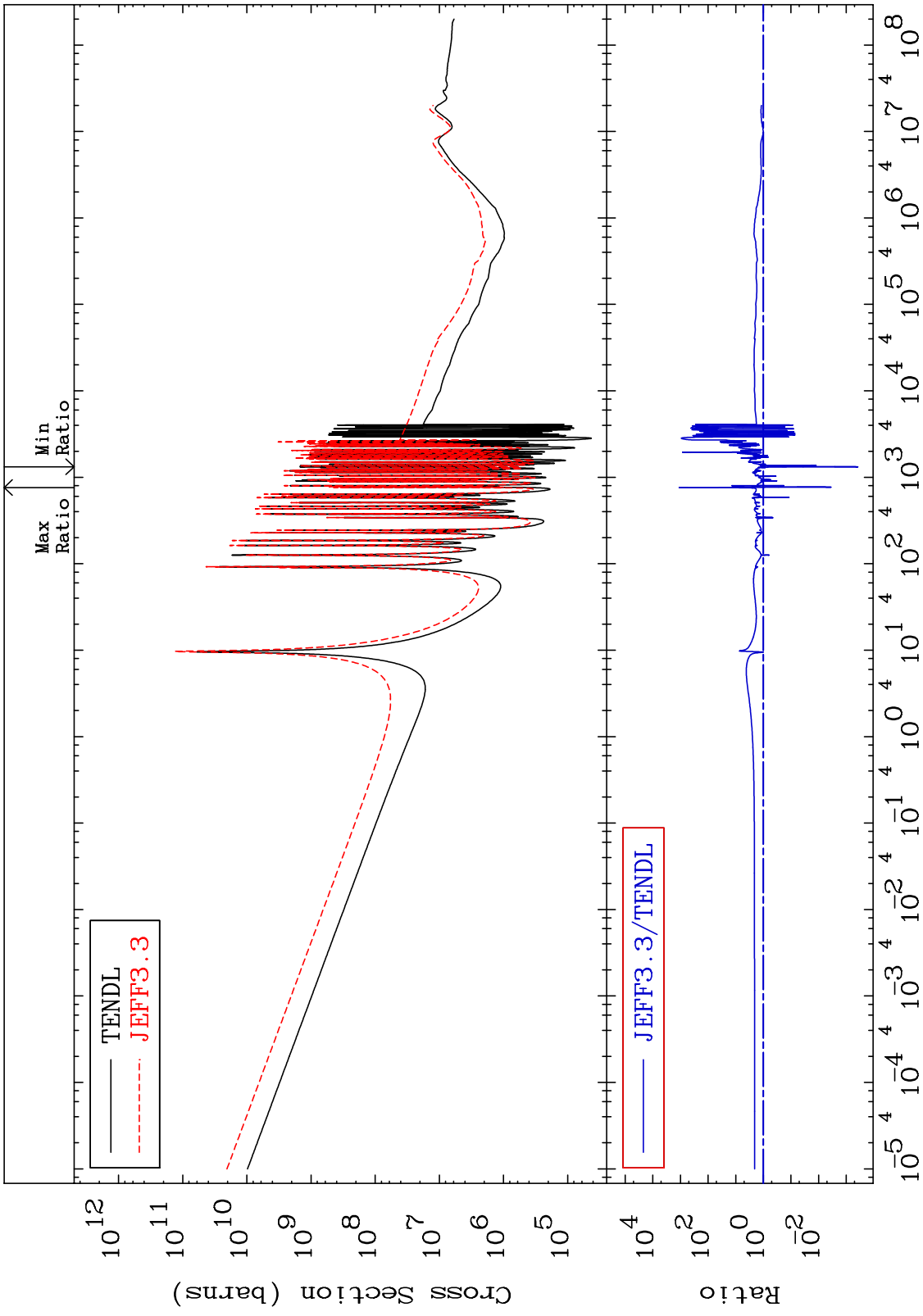
MAT 5440

Kerma capture (mt102)  
Cross Section

54-Xe-129  
-99.98 To 9999. %

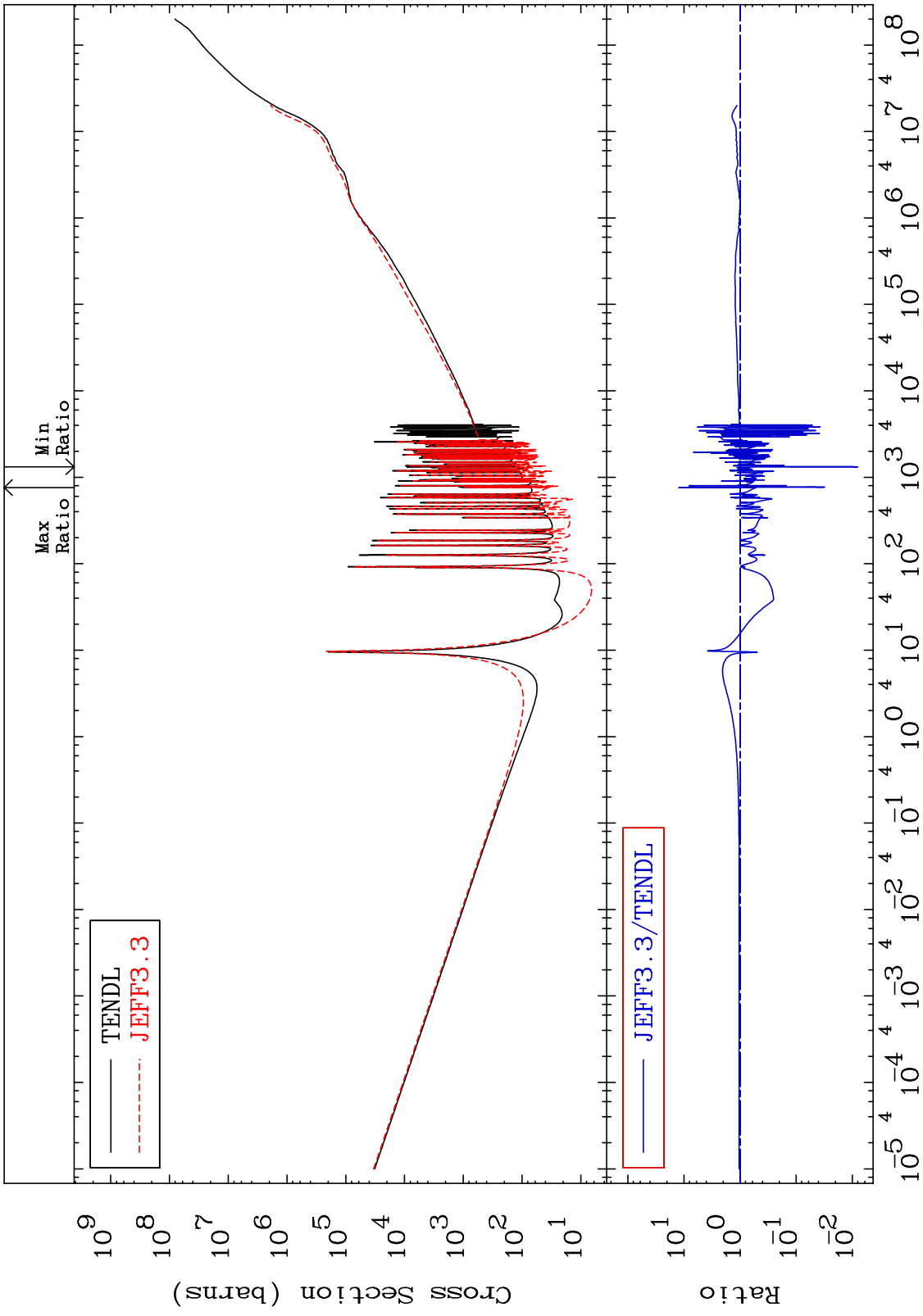


MAT 5440 54-Xe-129 -99.96 To 9999. %  
Total photon (eV-barns)  
Cross Section



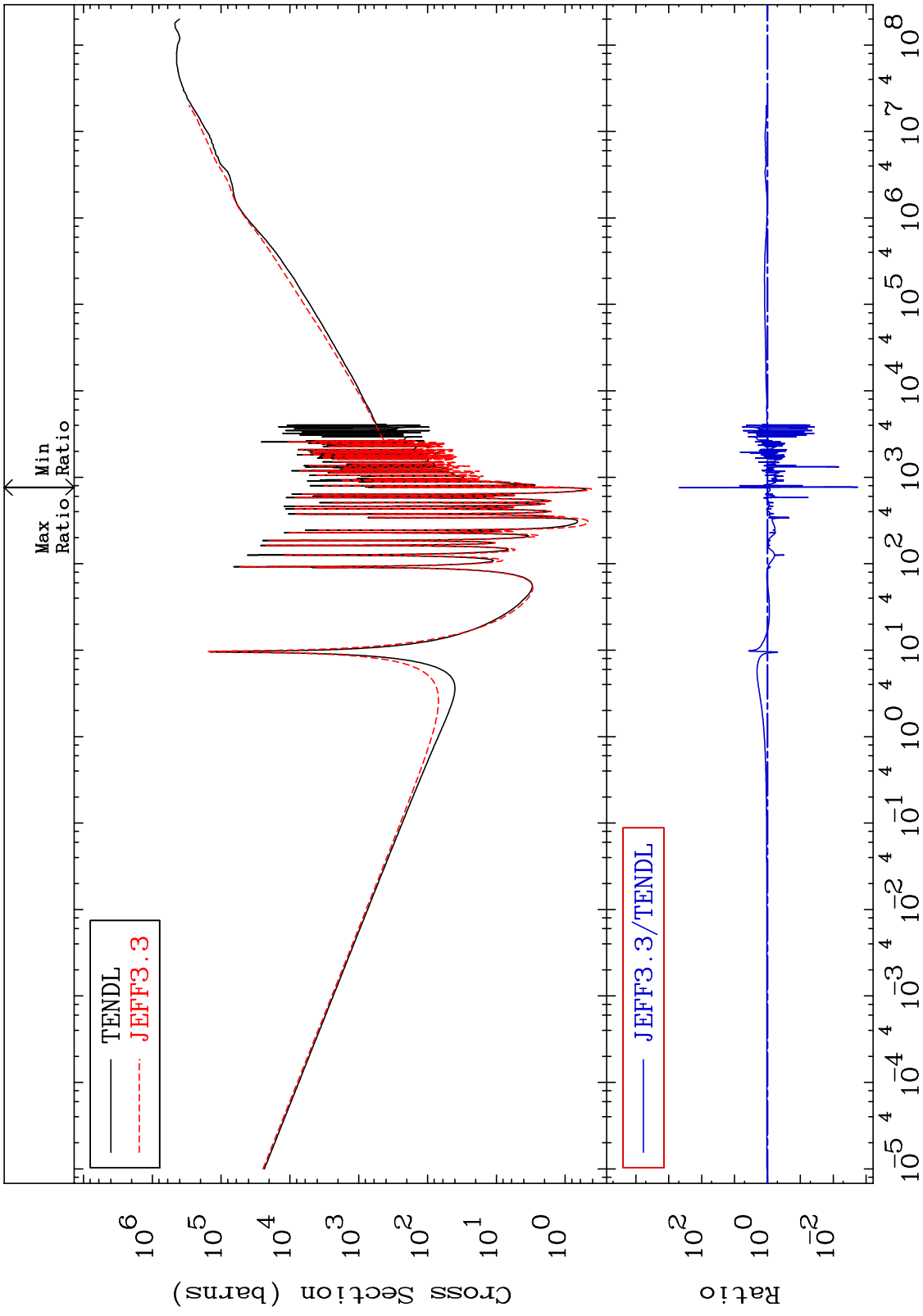
Incident Energy (eV) 54-Xe-129

MAT 5440 Total kinematic kerma (high limit) 54-Xe-129  
Cross Section -99.20 To 1123. %



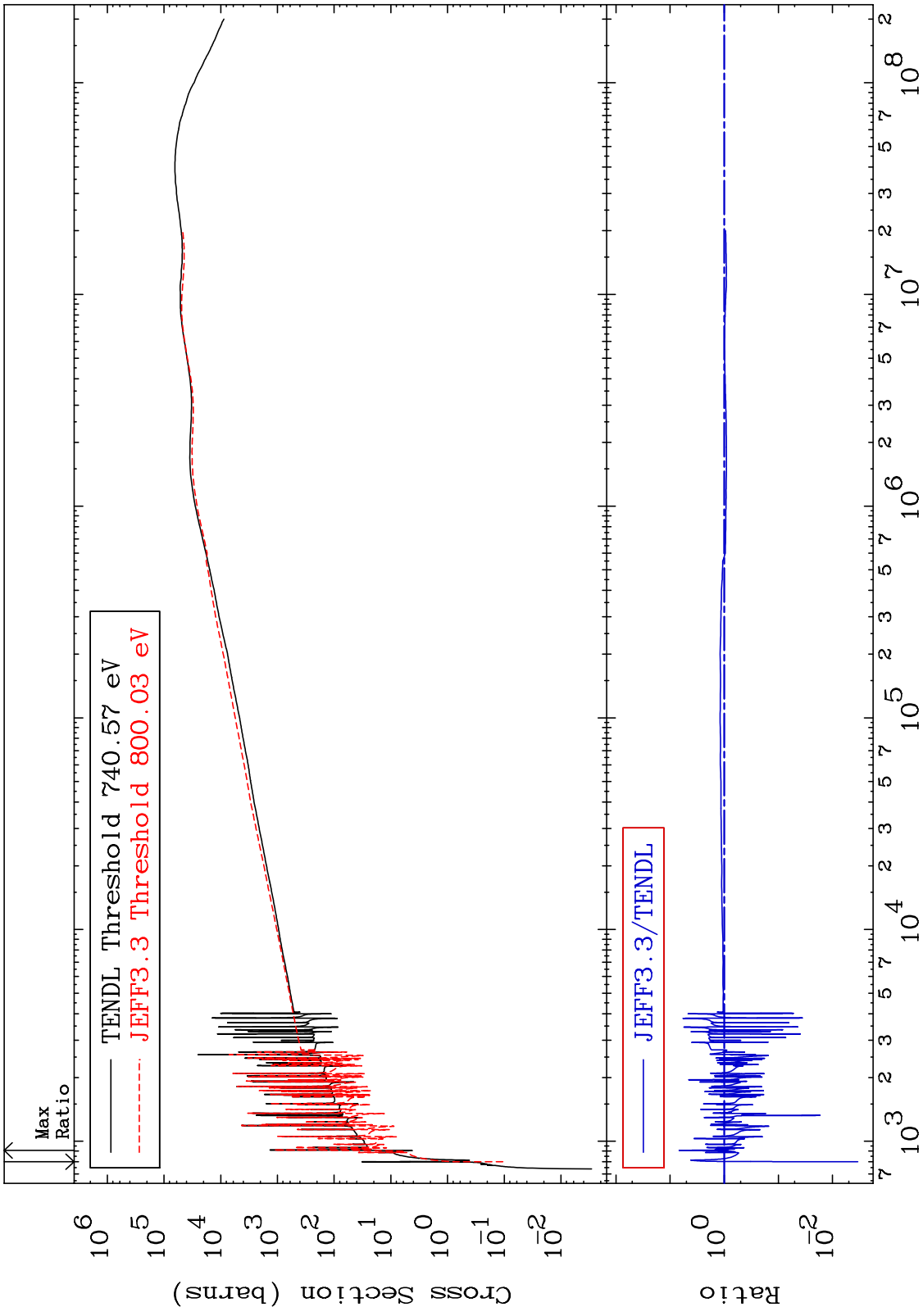


MAT 5440      Dpa total (eV-barns)      54-Xe-129  
Cross Section      -99.82 To 9999. %

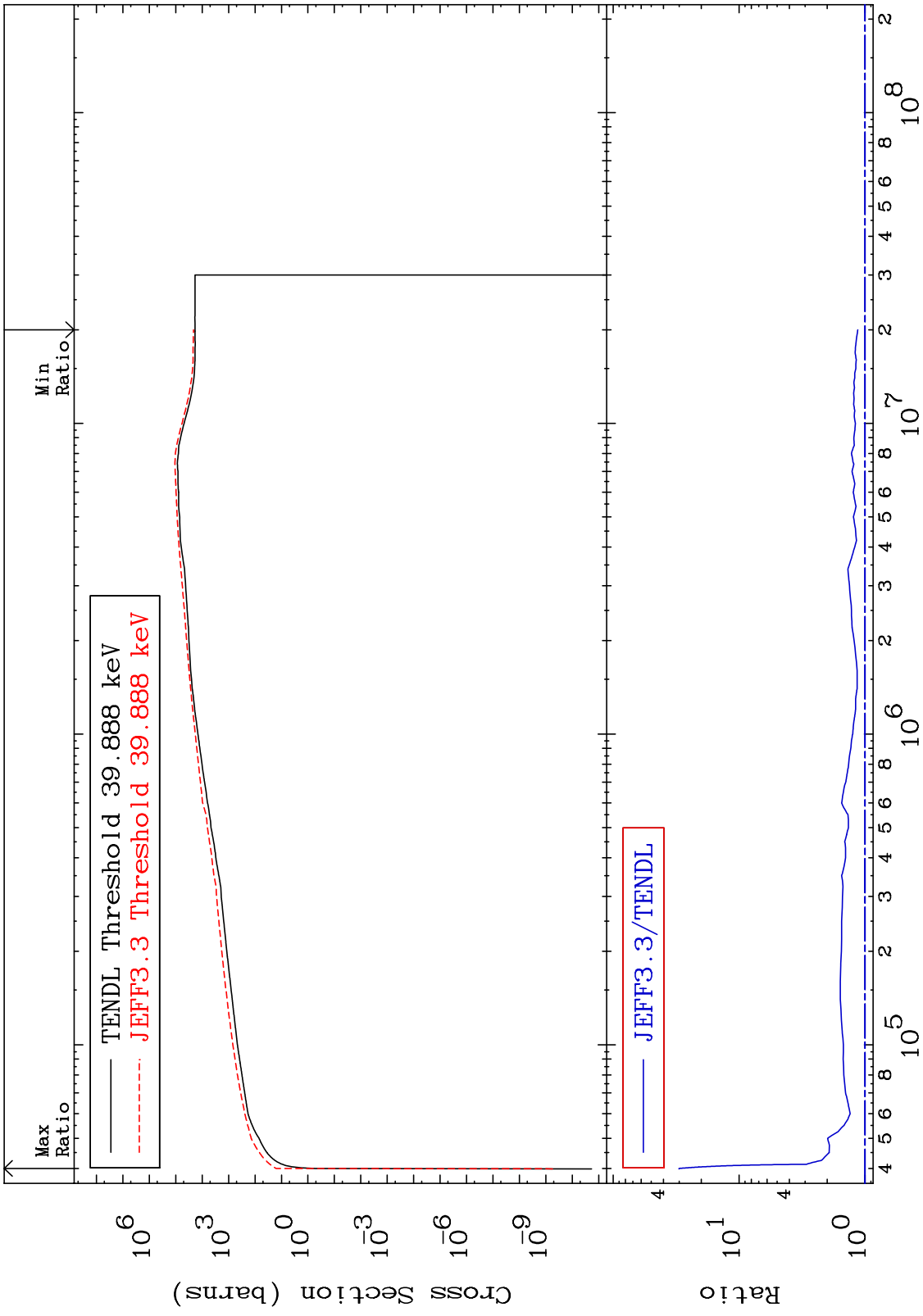


40      Incident Energy (eV)      54-Xe-129

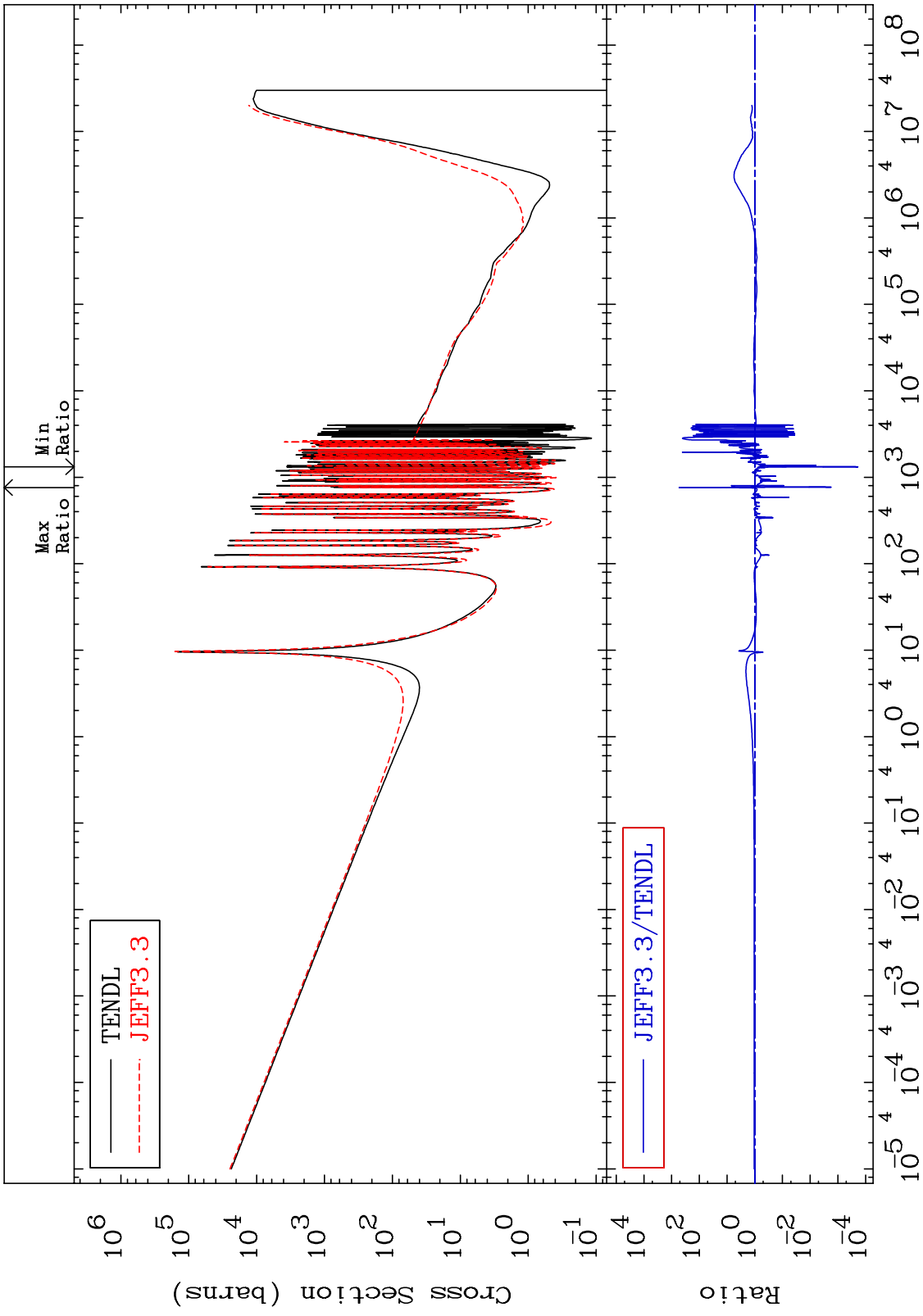
MAT 5440 Dpa elastic (mt2) 54-Xe-129  
 Cross Section -99.66 To 583.7 %



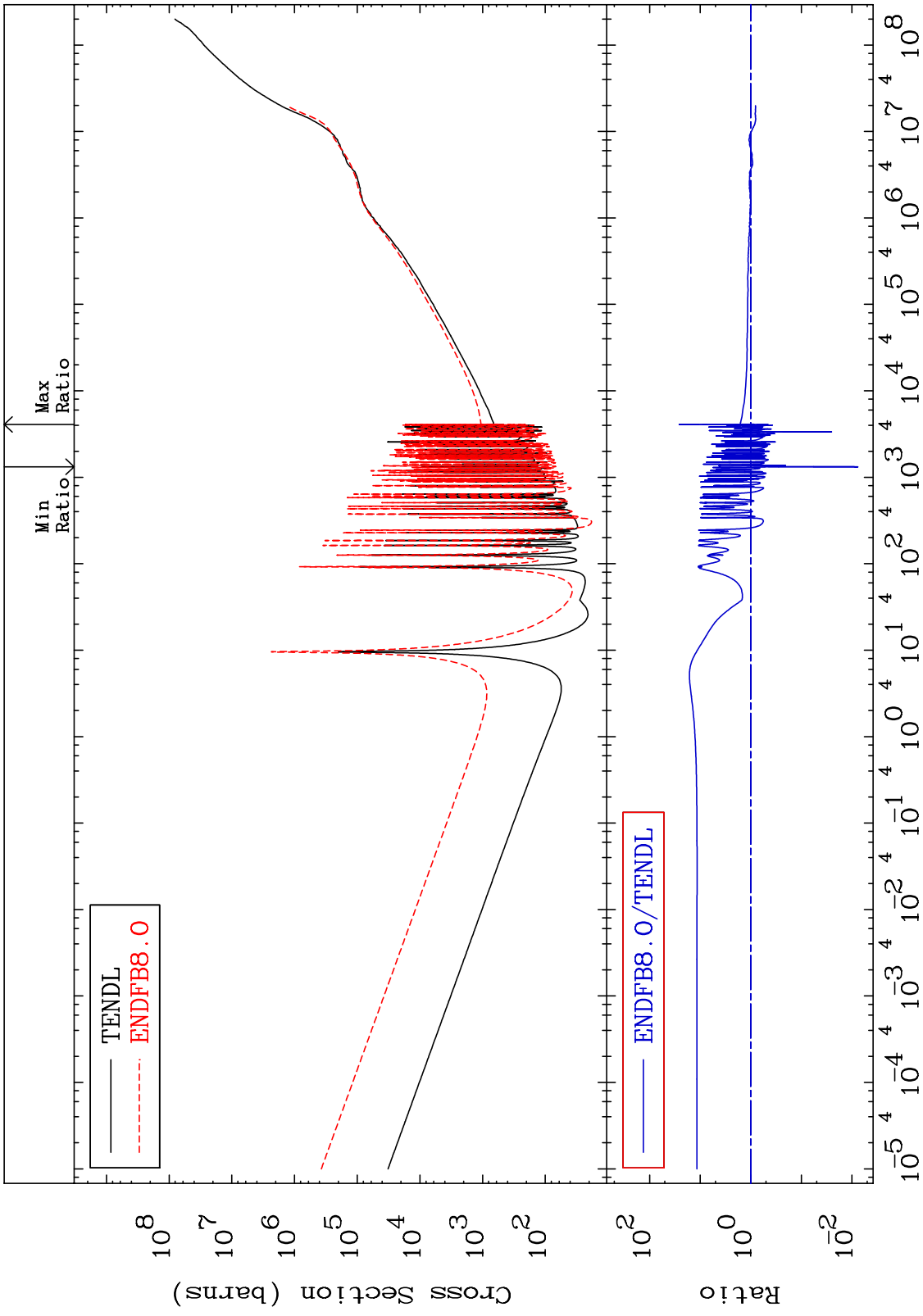
MAT 5440      Dpa inelastic (mt51-91)      54-Xe-129  
 Cross Section      14.21 To 2904. %



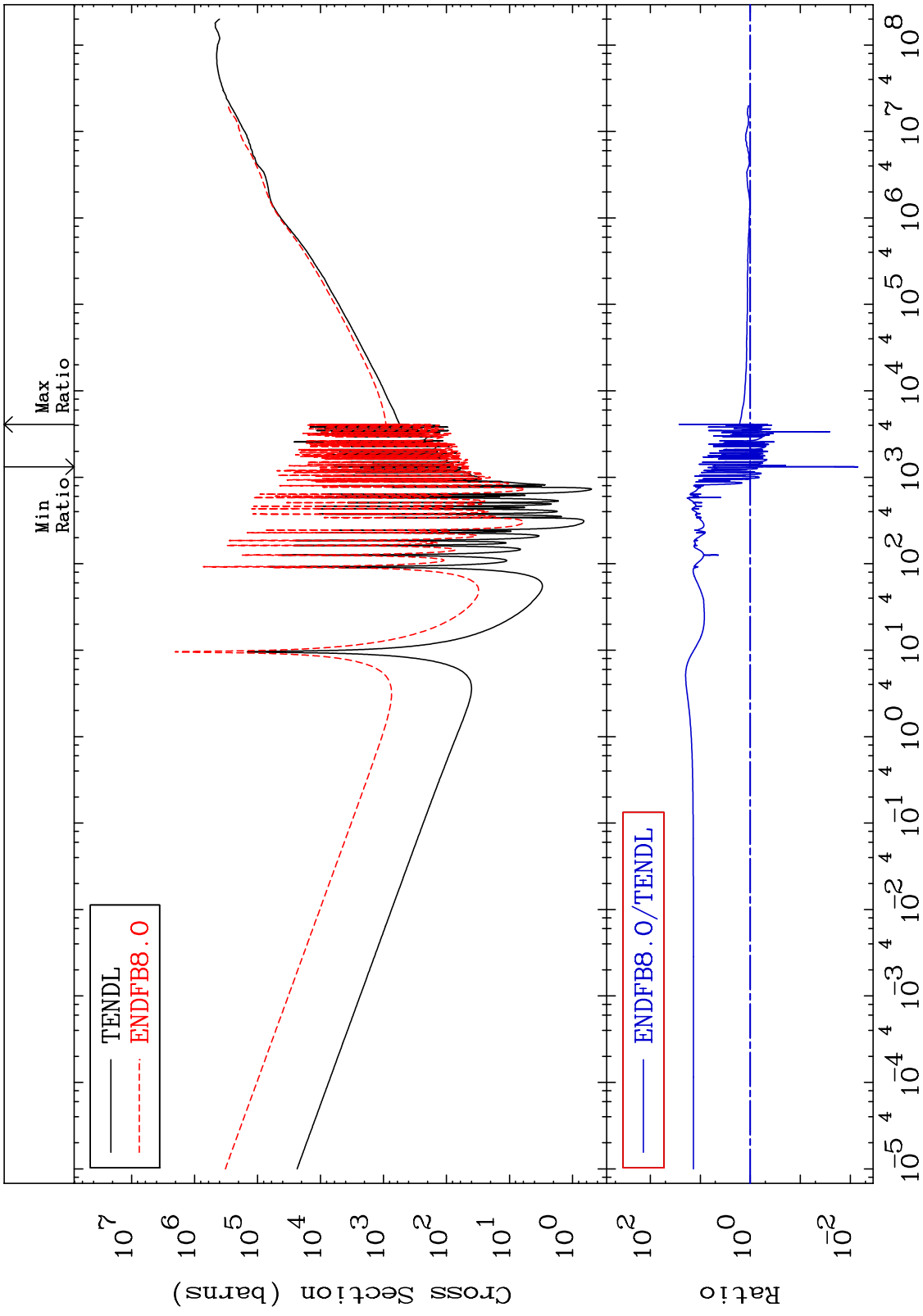
MAT 5440      Dpa disappearance (mt102 -120)      54-Xe-129  
 Cross Section      -99.98 To 9999. %



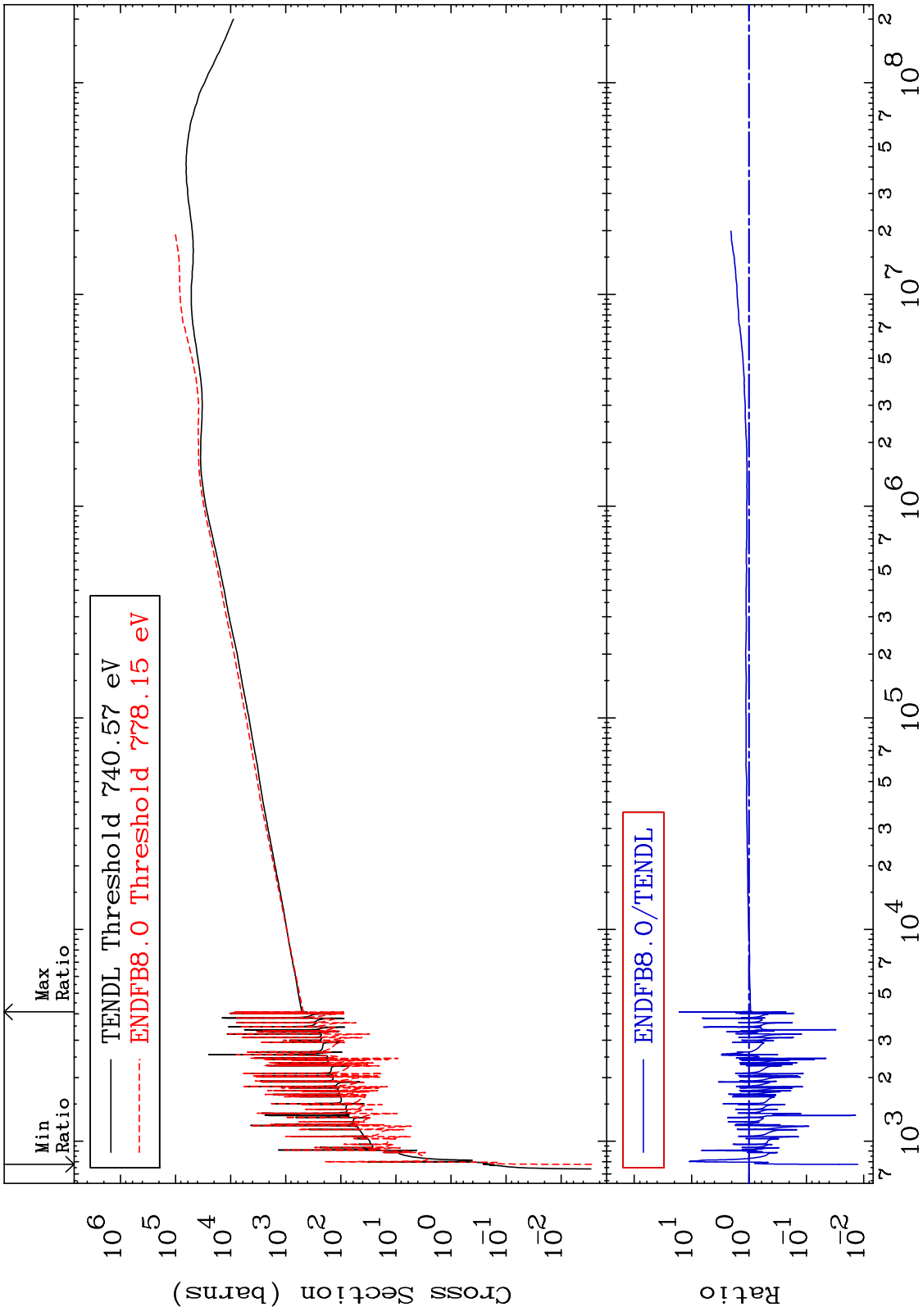
MAT 5440 Total kinematic kerma (high limit) 54-Xe-129  
 Cross Section -99.23 To 2516. %



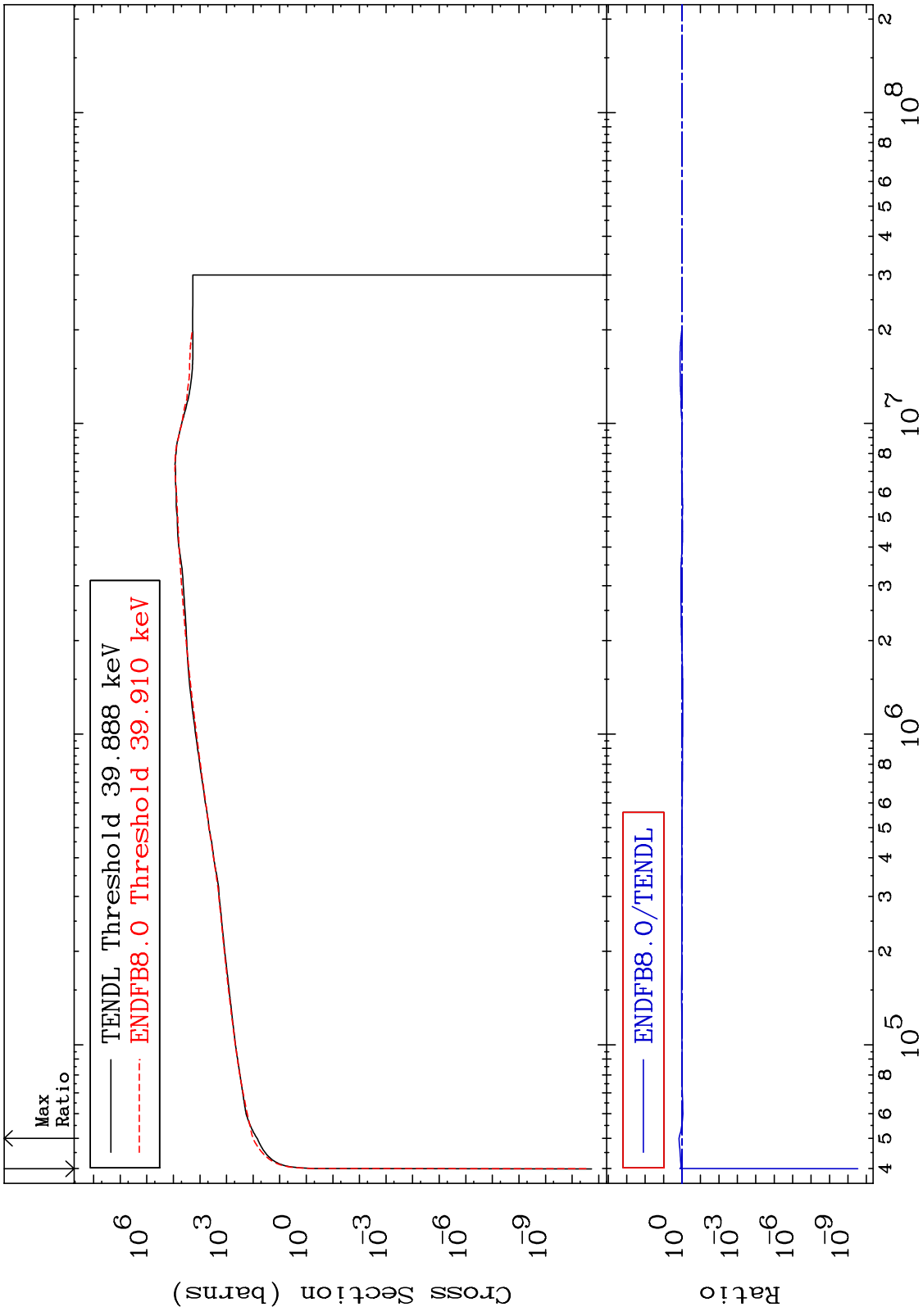
MAT 5440      Dpa total (eV-barns)      54-Xe-129  
 Cross Section      -99.29 To 2560. %



MAT 5440 54-Xe-129 -98.73 To 1553. %  
Dpa elastic (mt2)  
Cross Section



MAT 5440 Dpa inelastic (mt51-91) 54-Xe-129  
 Cross Section -100.0 To 45.45 %





MAT 5440      Dpa disappearance (mt102 -120)      54-Xe-129  
 Cross Section      -99.74 To 9999. %

