

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

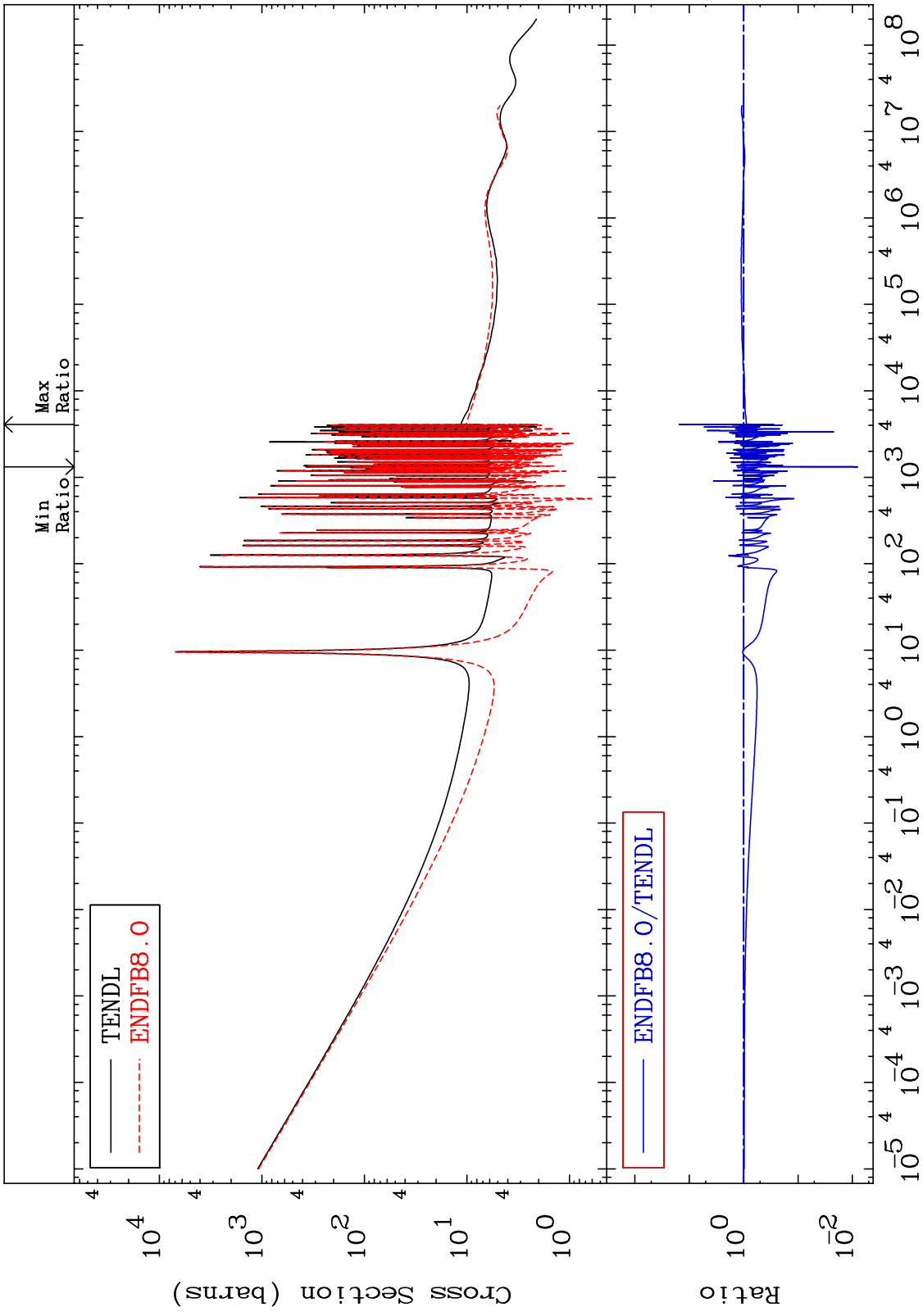
U.S.A.

Tele: 925-443-1911

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

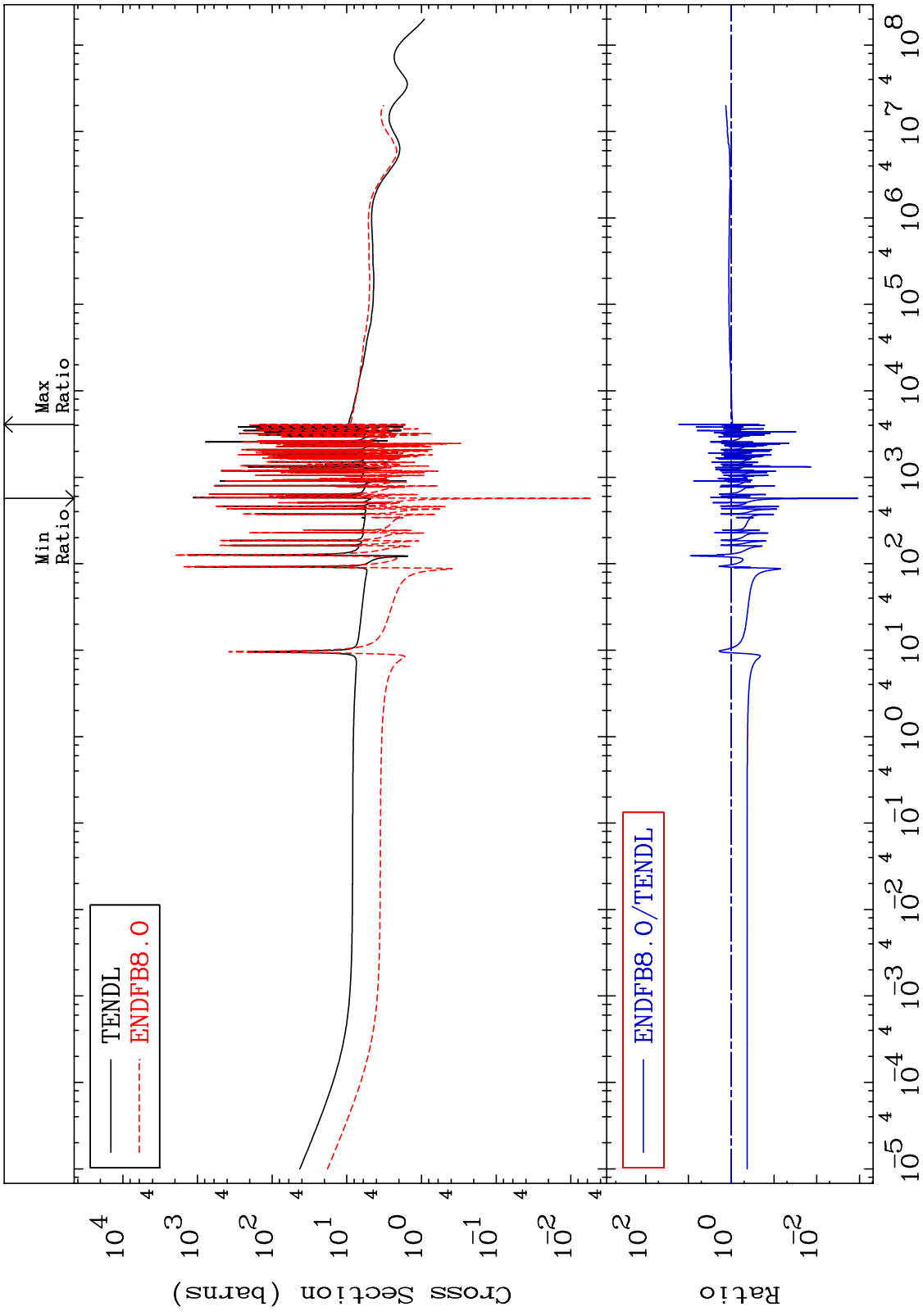
Press Mouse Button to Start

MAT 5440 54-Xe-129 -99.21 To 1443. %  
Total Cross Section

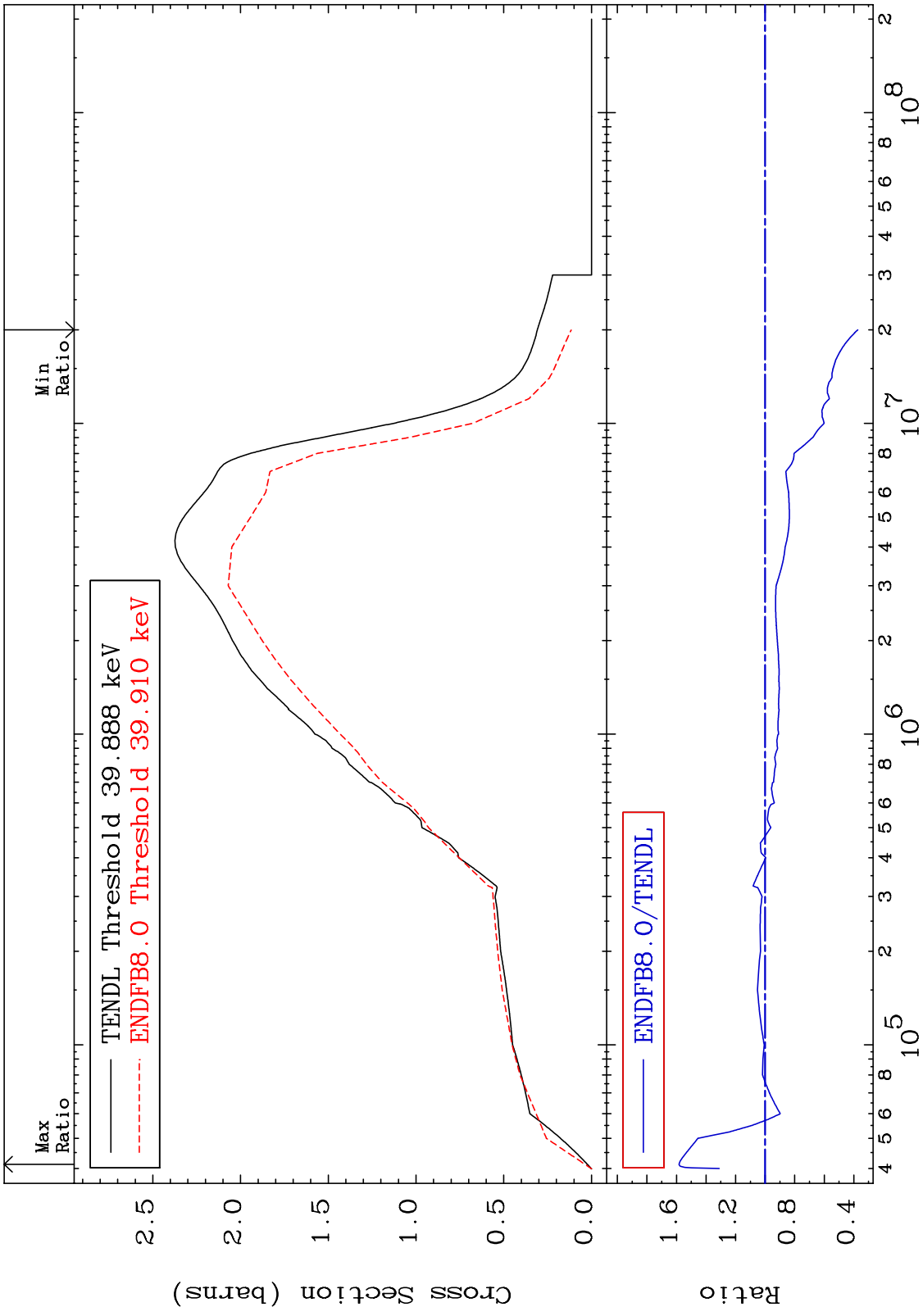


54-Xe-129  
1 Incident Energy (eV)

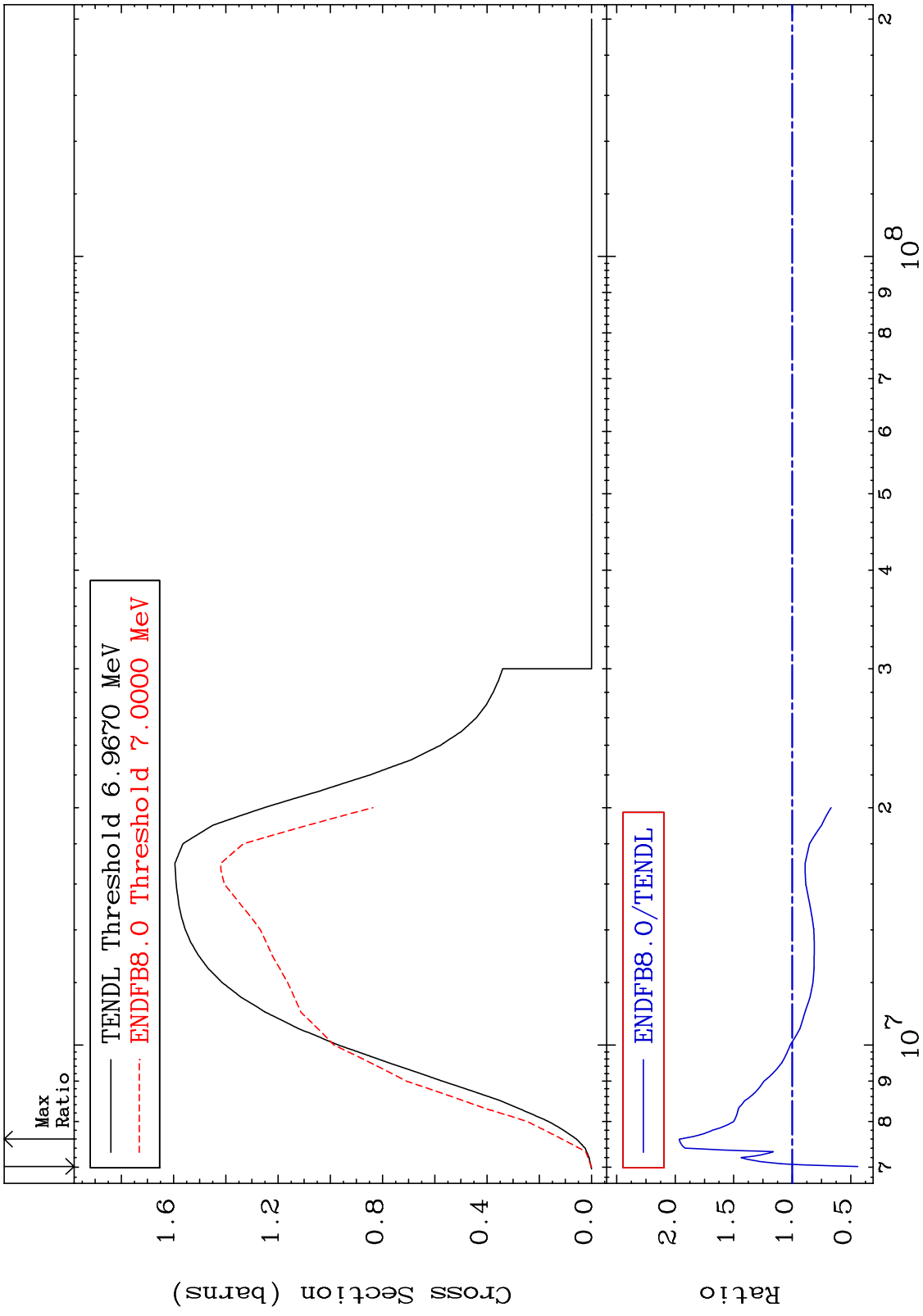
MAT 5440 Elastic Cross Section 54-Xe-129 -99.89 To 1558. %



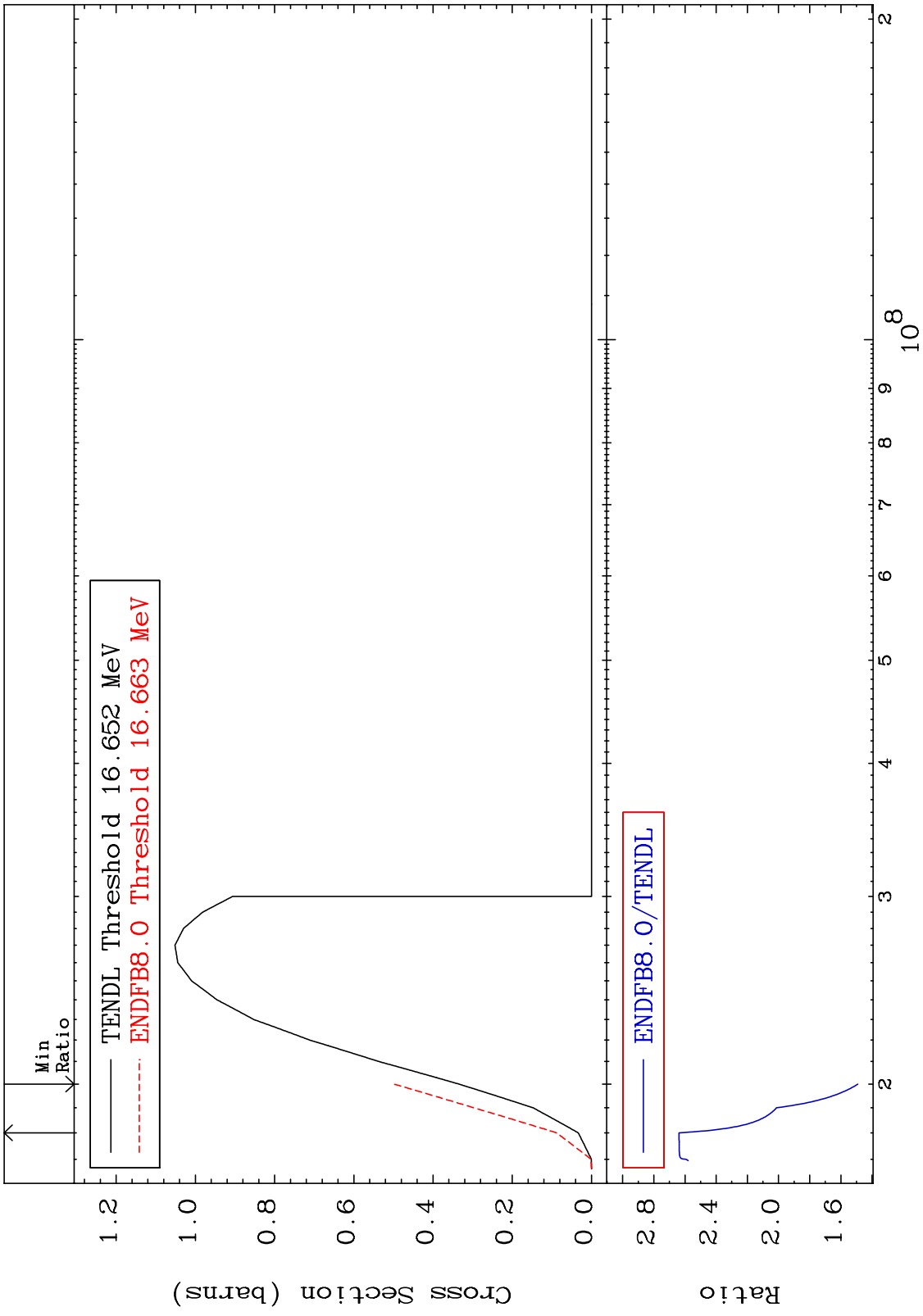
MAT 5440 Inelastic Cross Section 54-Xe-129 -62.73 To 58.27 %



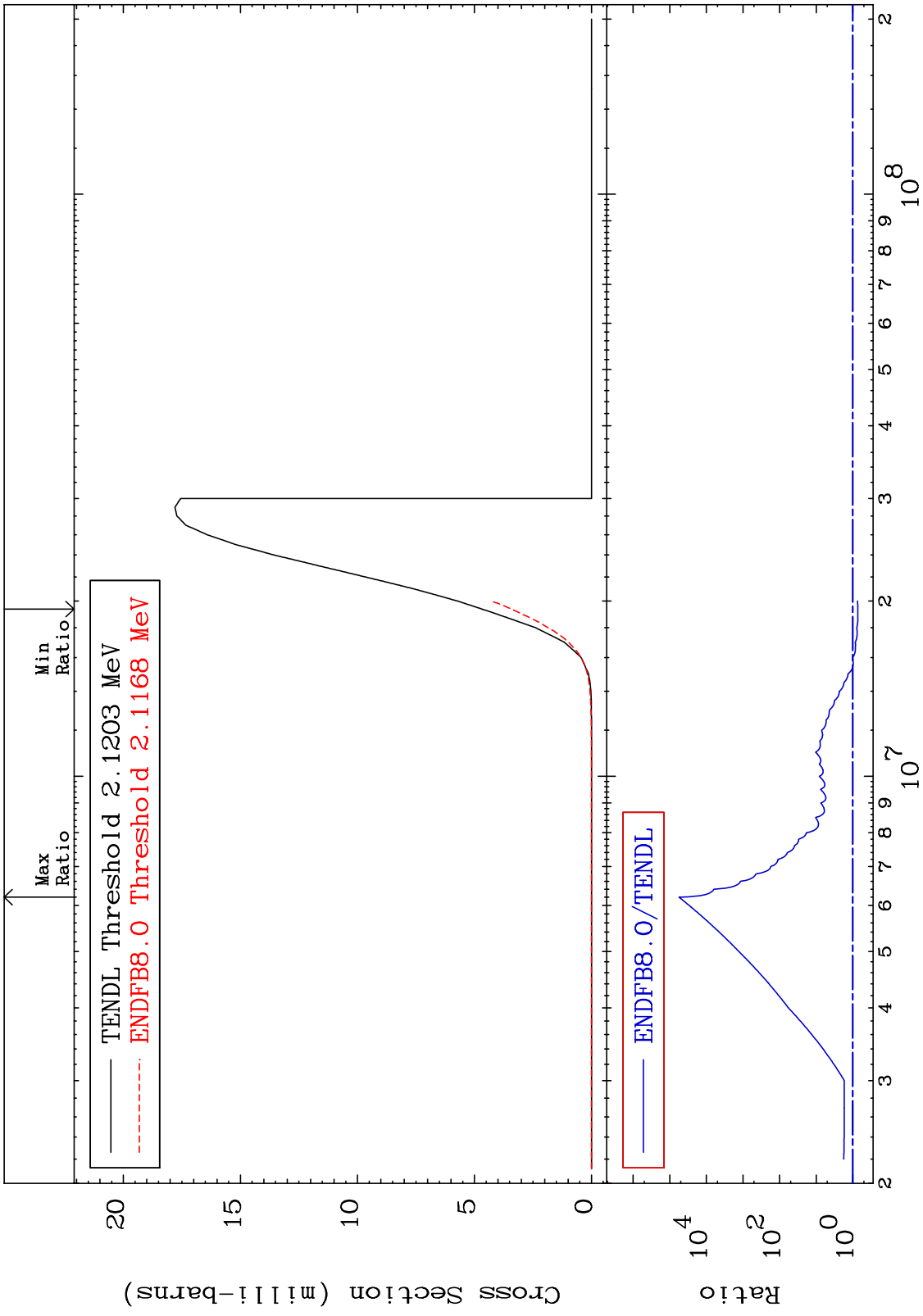
MAT 5440 (n,2n) Cross Section 54-Xe-129 -56.09 To 96.72 %



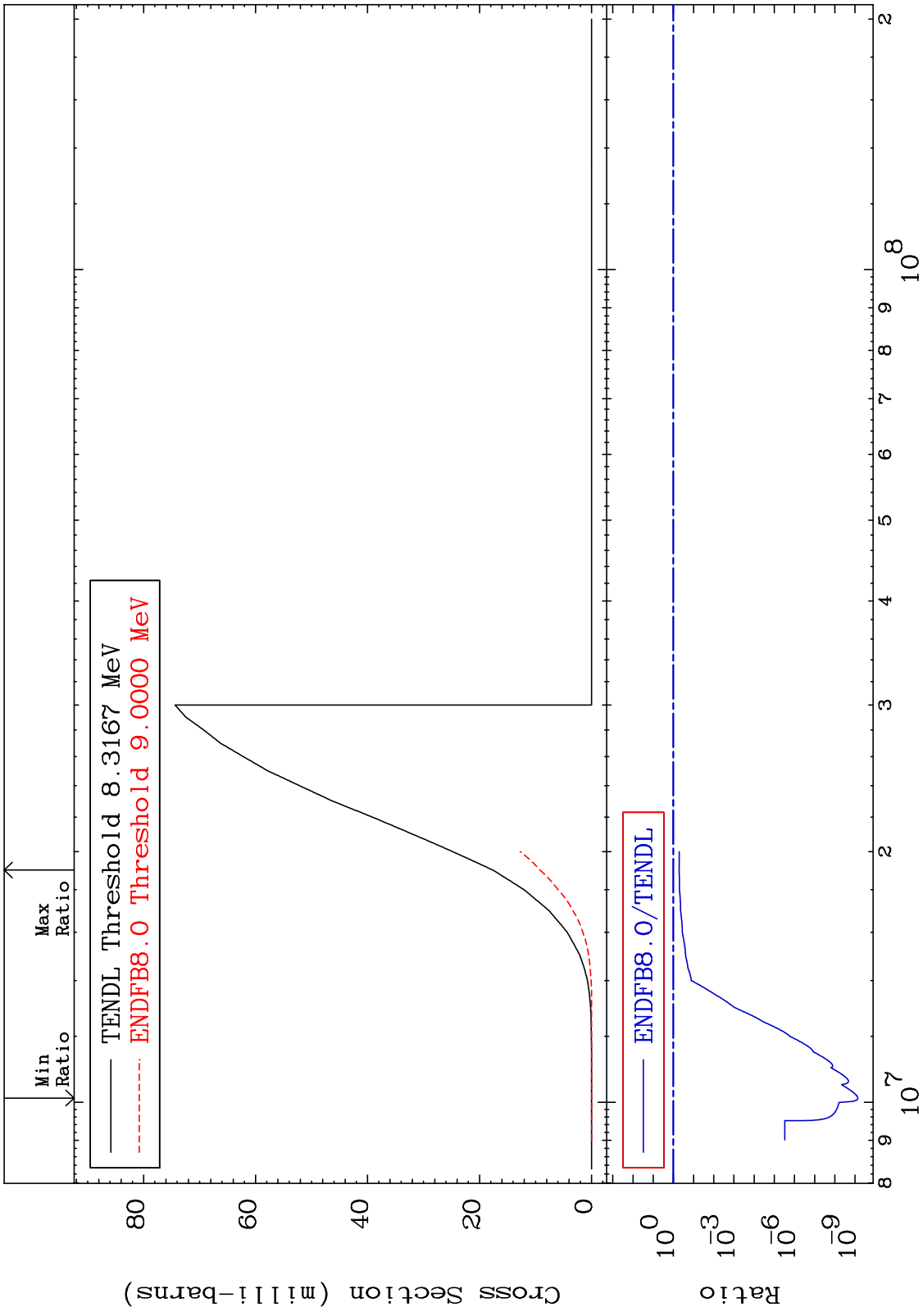
MAT 5440 (n,3n) Cross Section 54-Xe-129 To 163.8 %  
 49.13



MAT 5440  $(n, n') \alpha$  54-Xe-129  
 Cross Section -26.92 To 9999. %



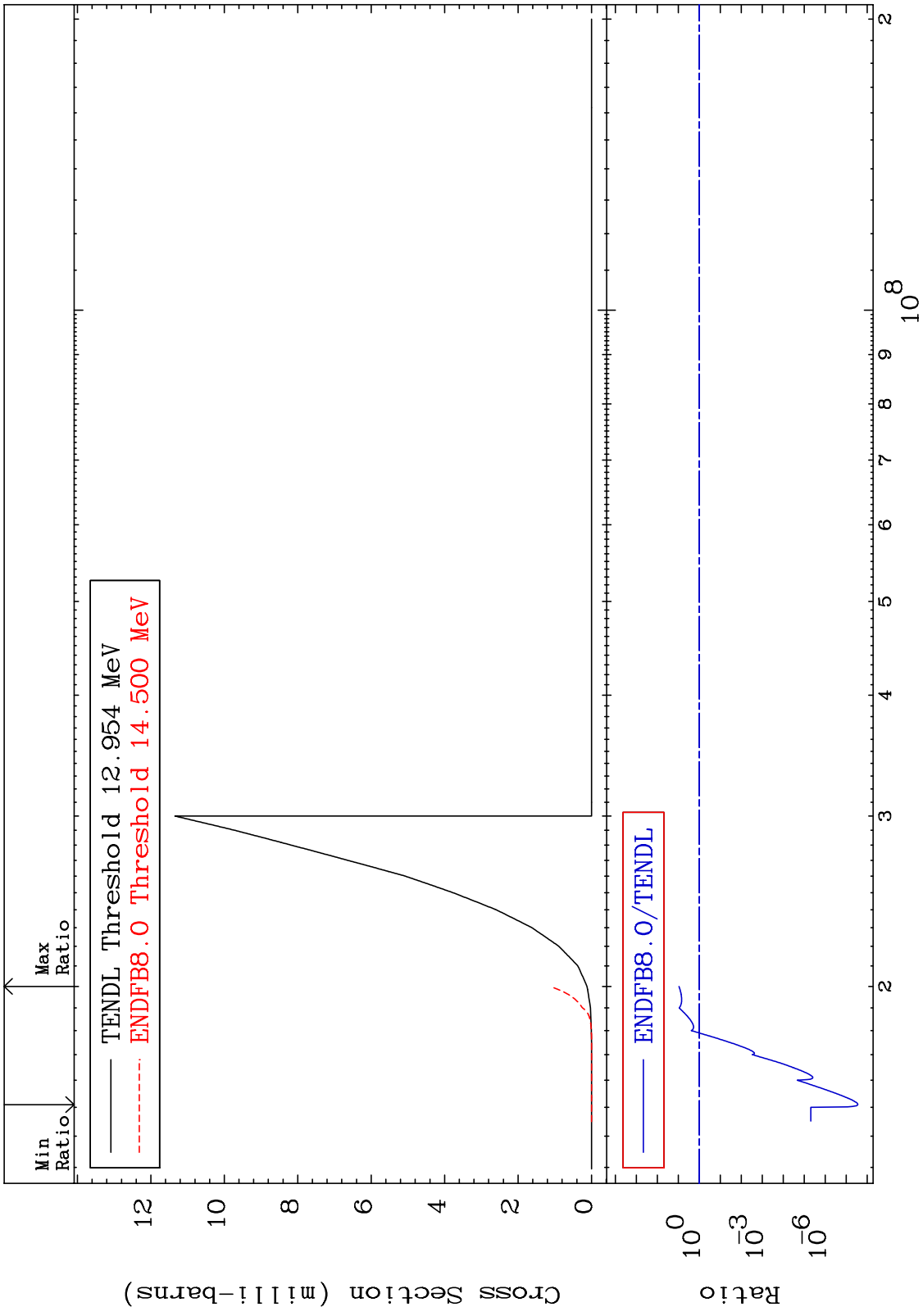
MAT 5440  $(n, n')$  p  $^{54}\text{Xe-129}$   
 Cross Section  $-100.0$  To  $-47.75\%$



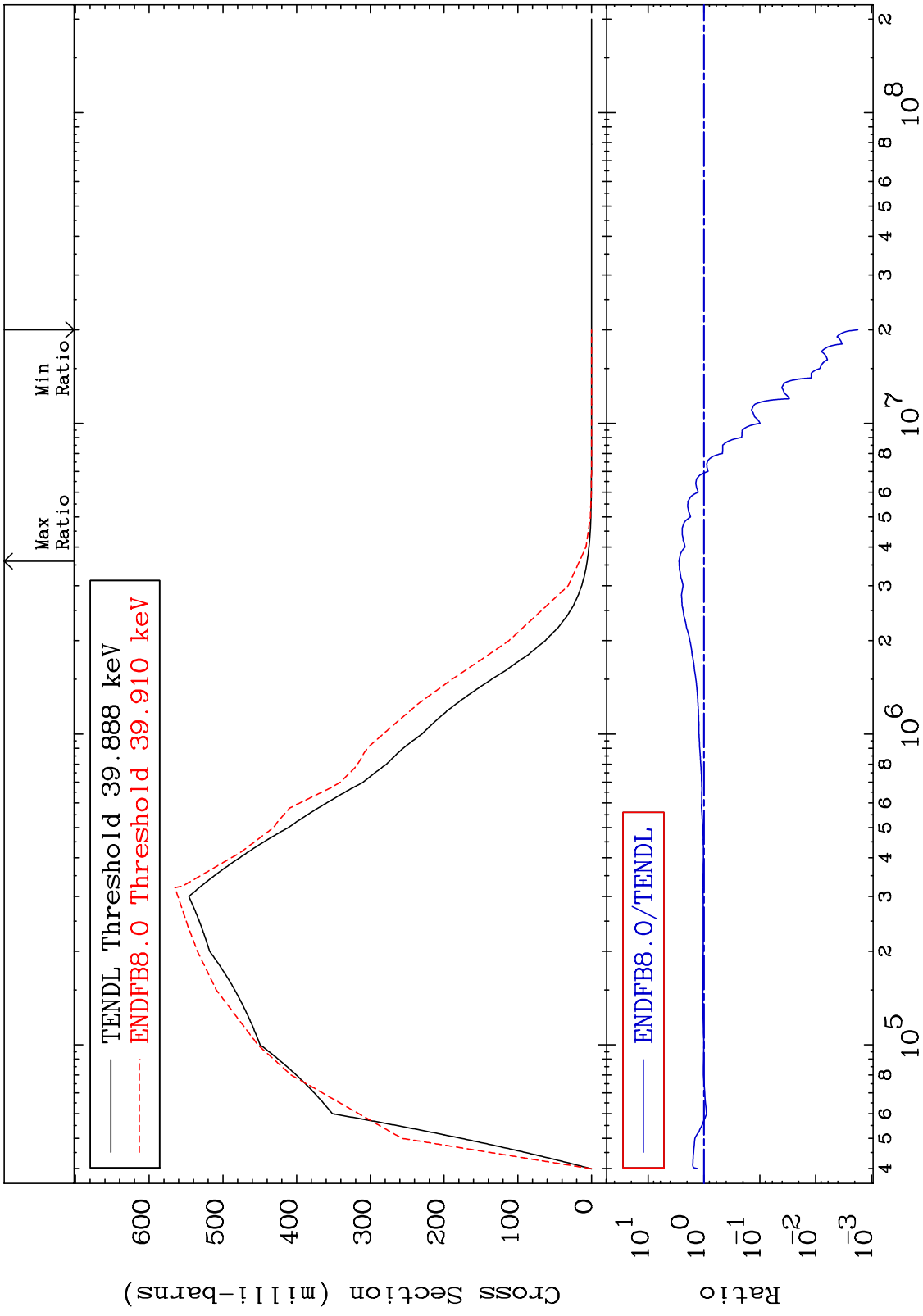
Incident Energy (eV)  $^{54}\text{Xe-129}$



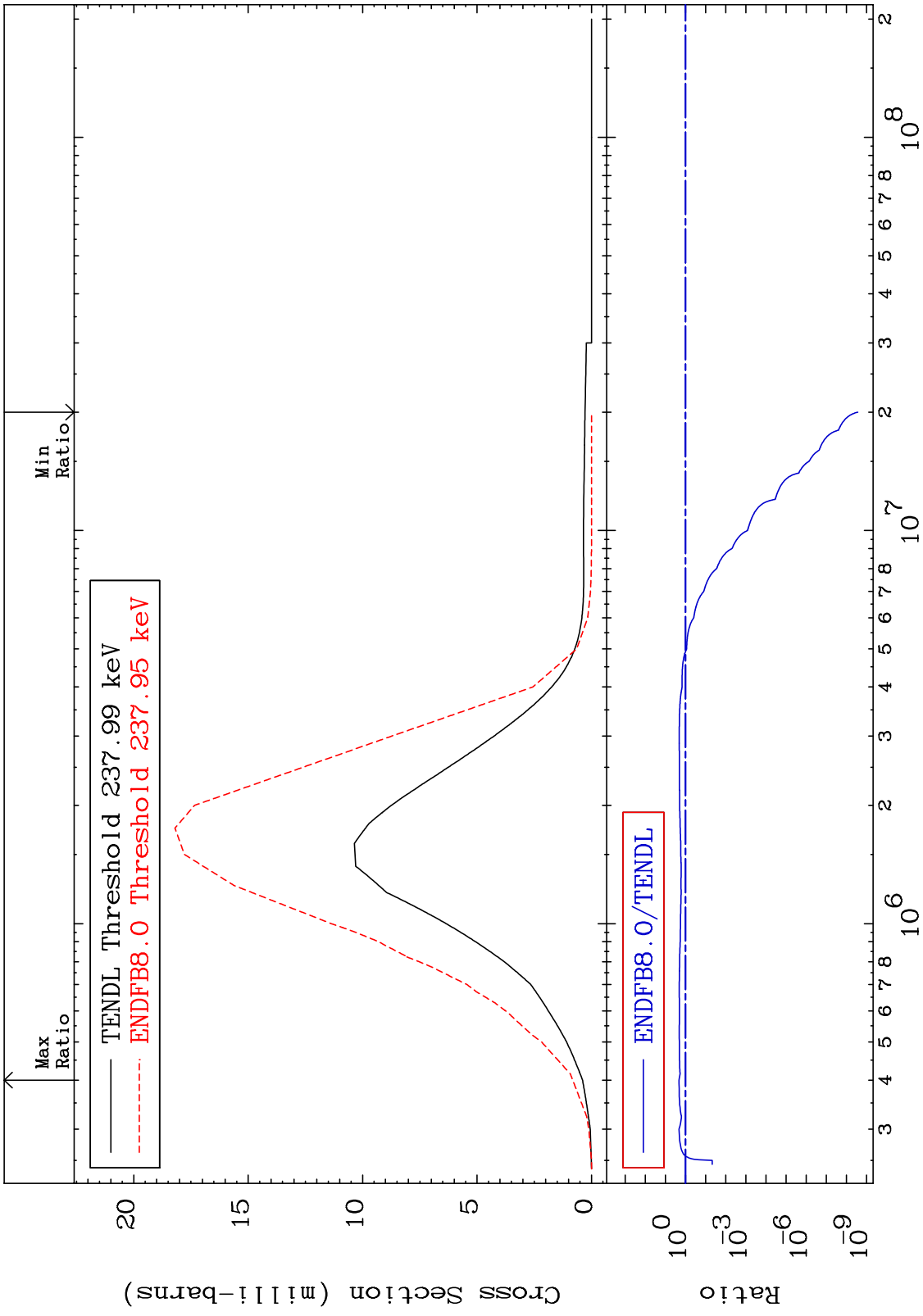
MAT 5440 (n,n') d 54-Xe-129  
 Cross Section -100.0 To 829.9 %



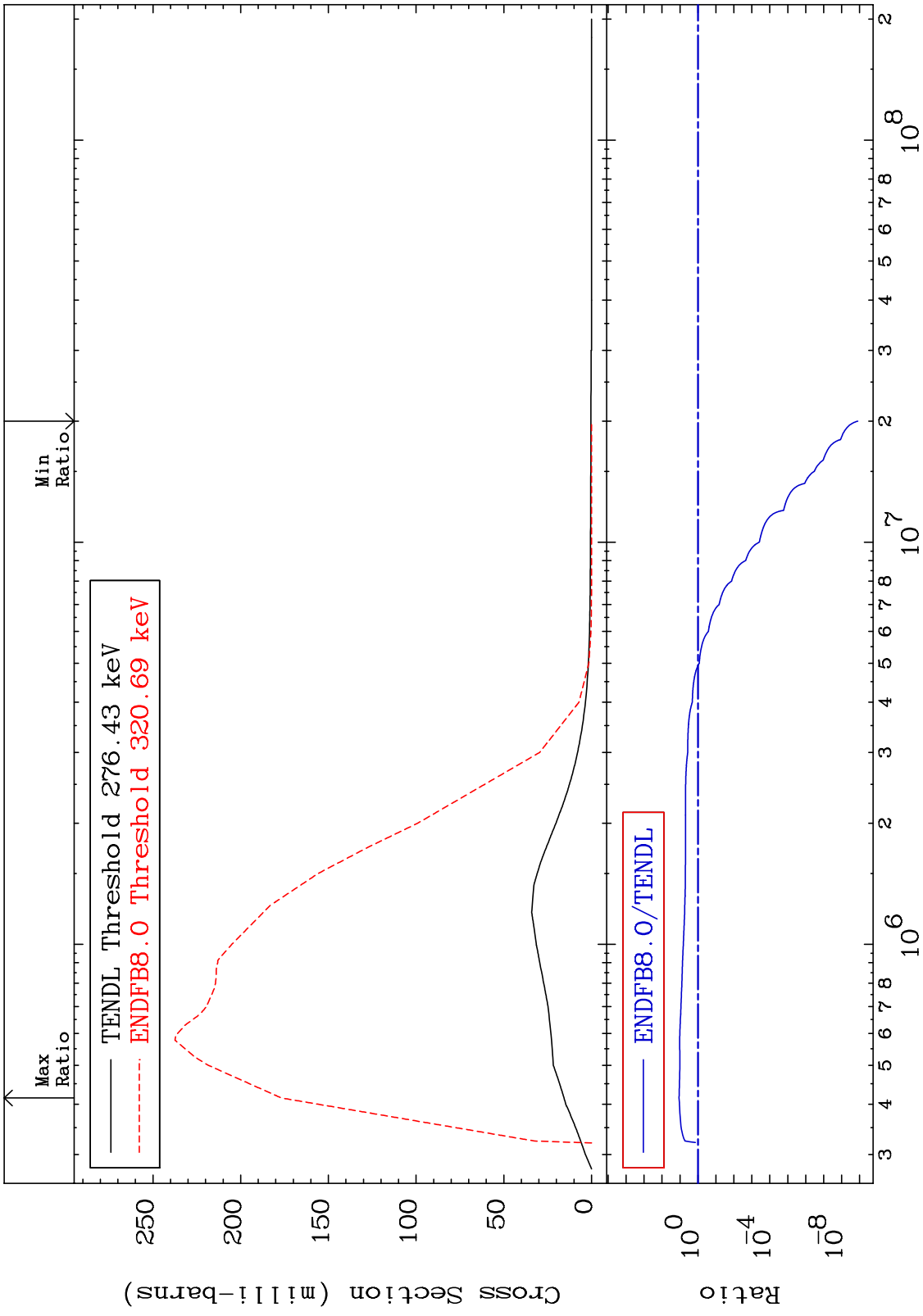
MAT 5440 MT= 51 (n,n') Level Cross Section 54-Xe-129 -99.82 To 179.3 %



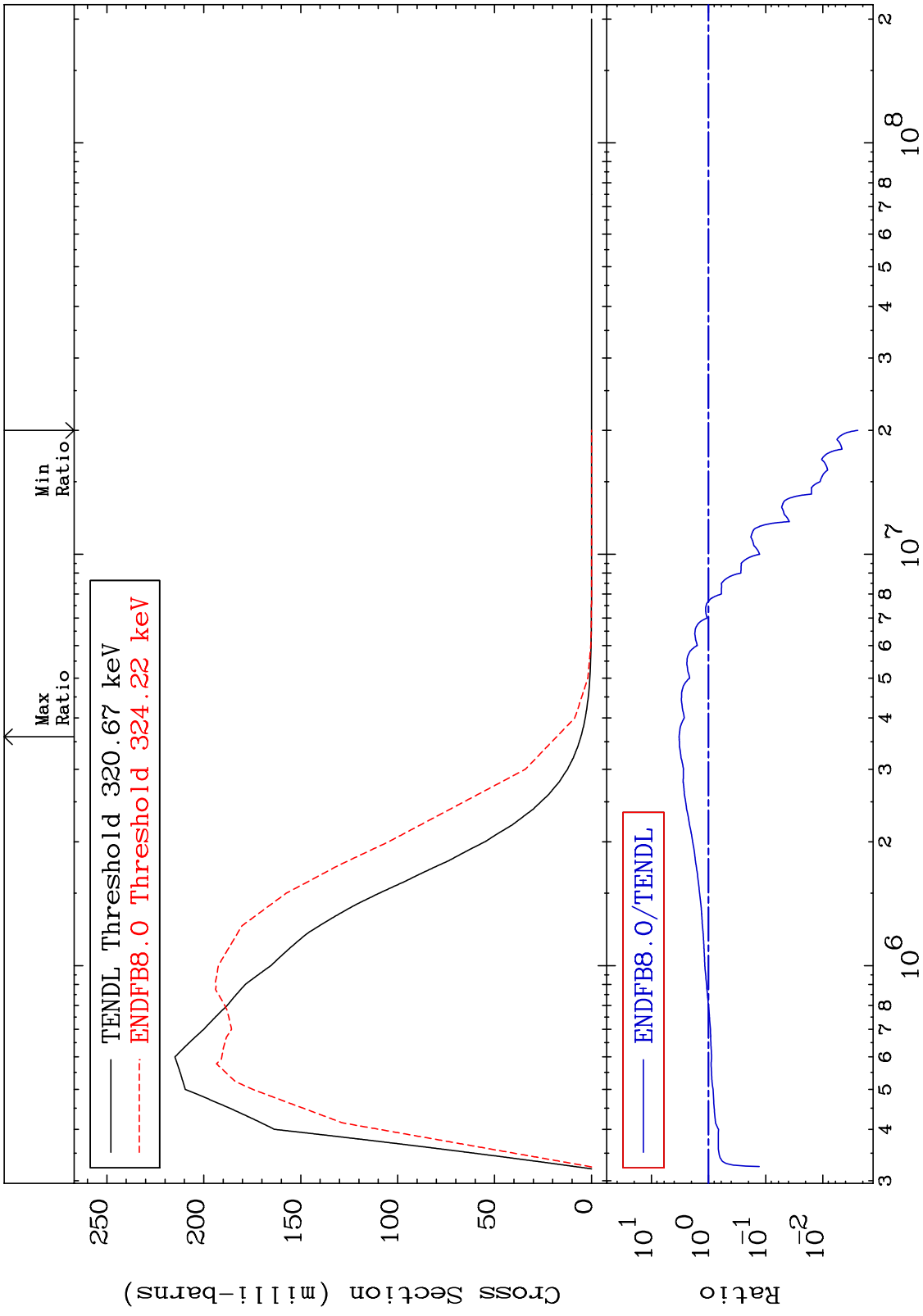
MAT 5440 MT= 52 (n,n') Level Cross Section 54-Xe-129 -100.0 To 109.9 %



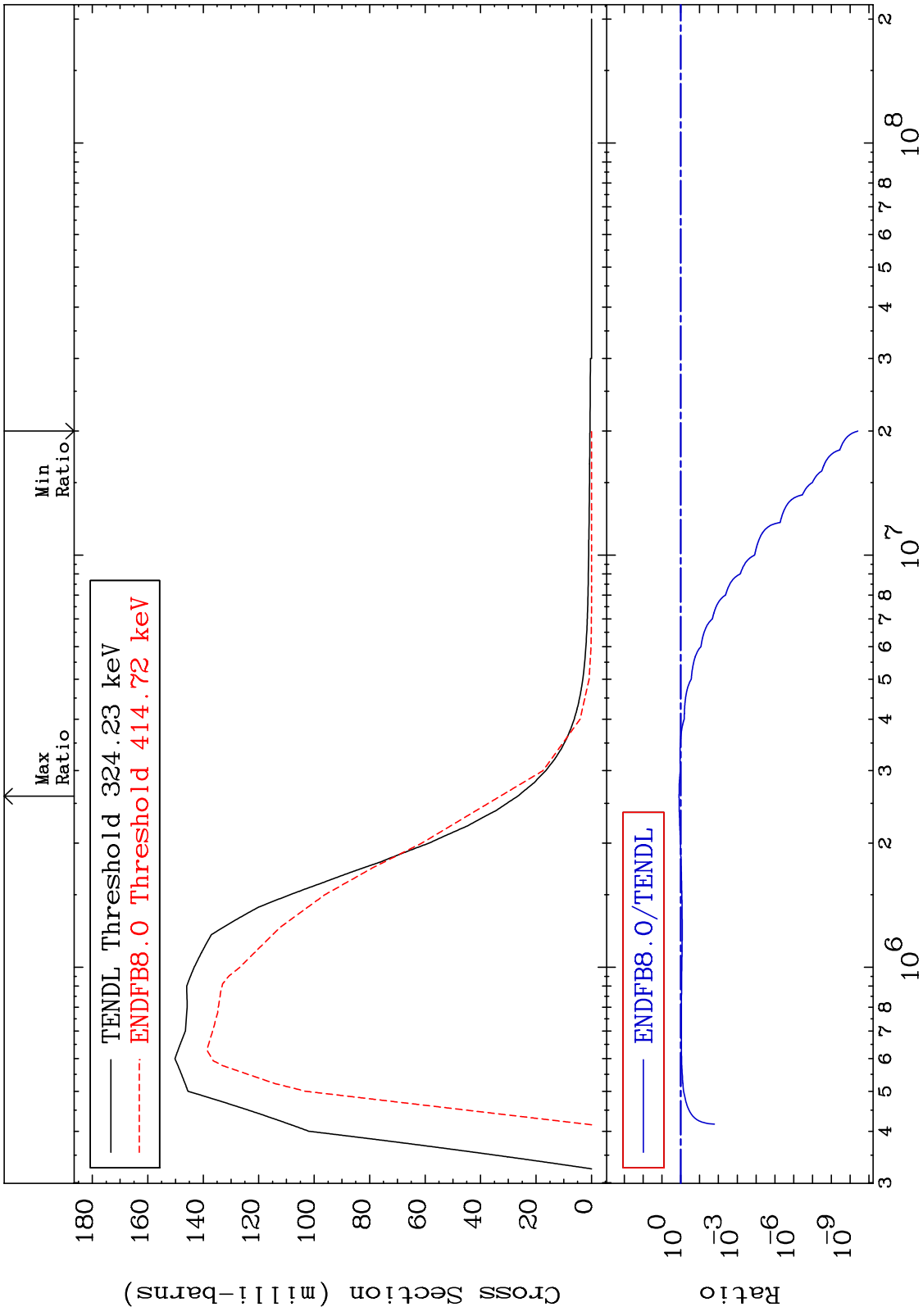
MAT 5440 MT= 53 (n,n') Level Cross Section 54-Xe-129 -100.0 To 1027. %



MAT 5440 MT= 54 (n,n') Level Cross Section 54-Xe-129 -99.76 To 228.8 %



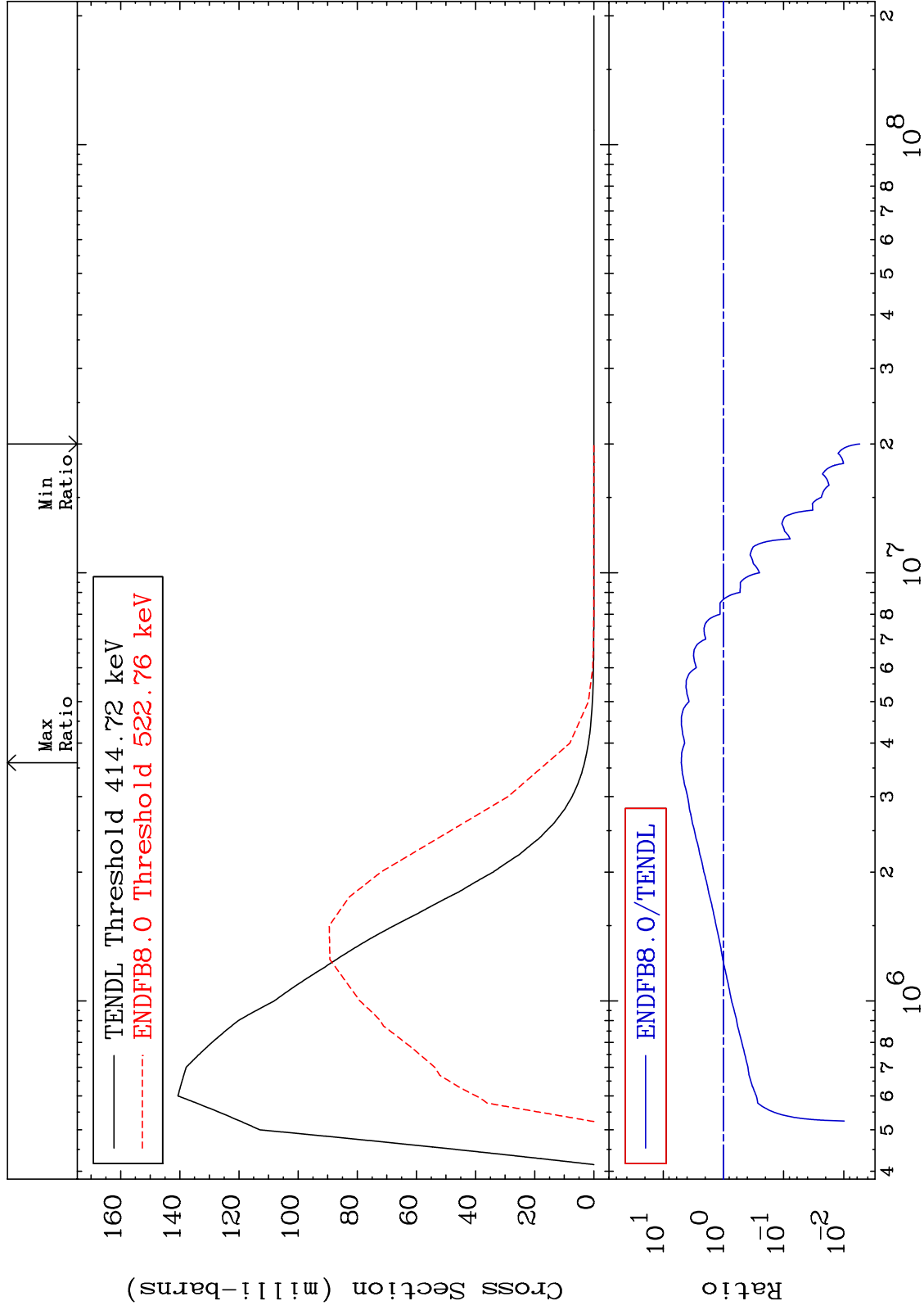
MAT 5440 MT= 55 (n,n') Level Cross Section 54-Xe-129 -100.0 To 23.78 %



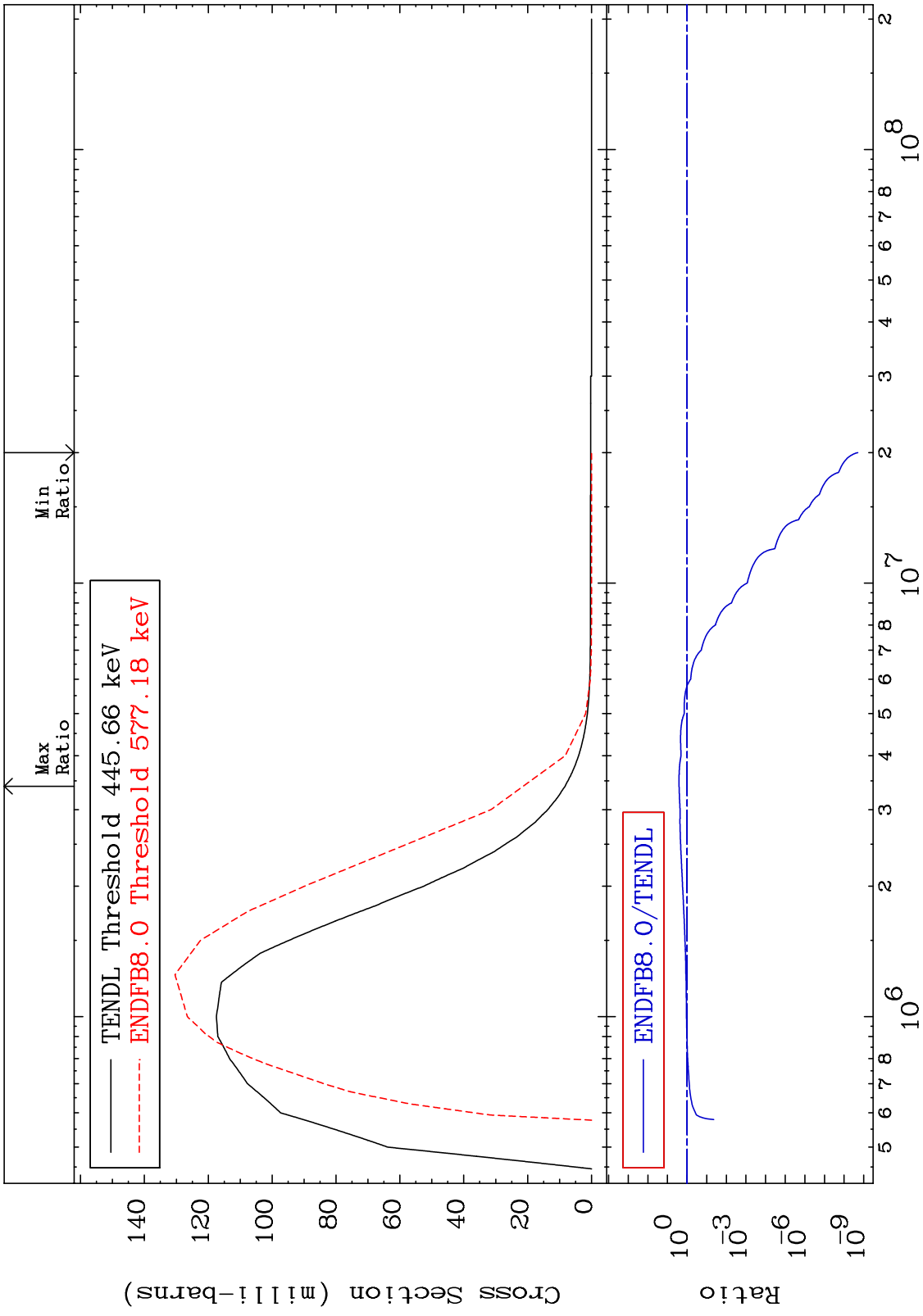
MAT 5440

MT= 56 (n,n') Level  
Cross Section

54-Xe-129  
-99.46 To 401.2 %

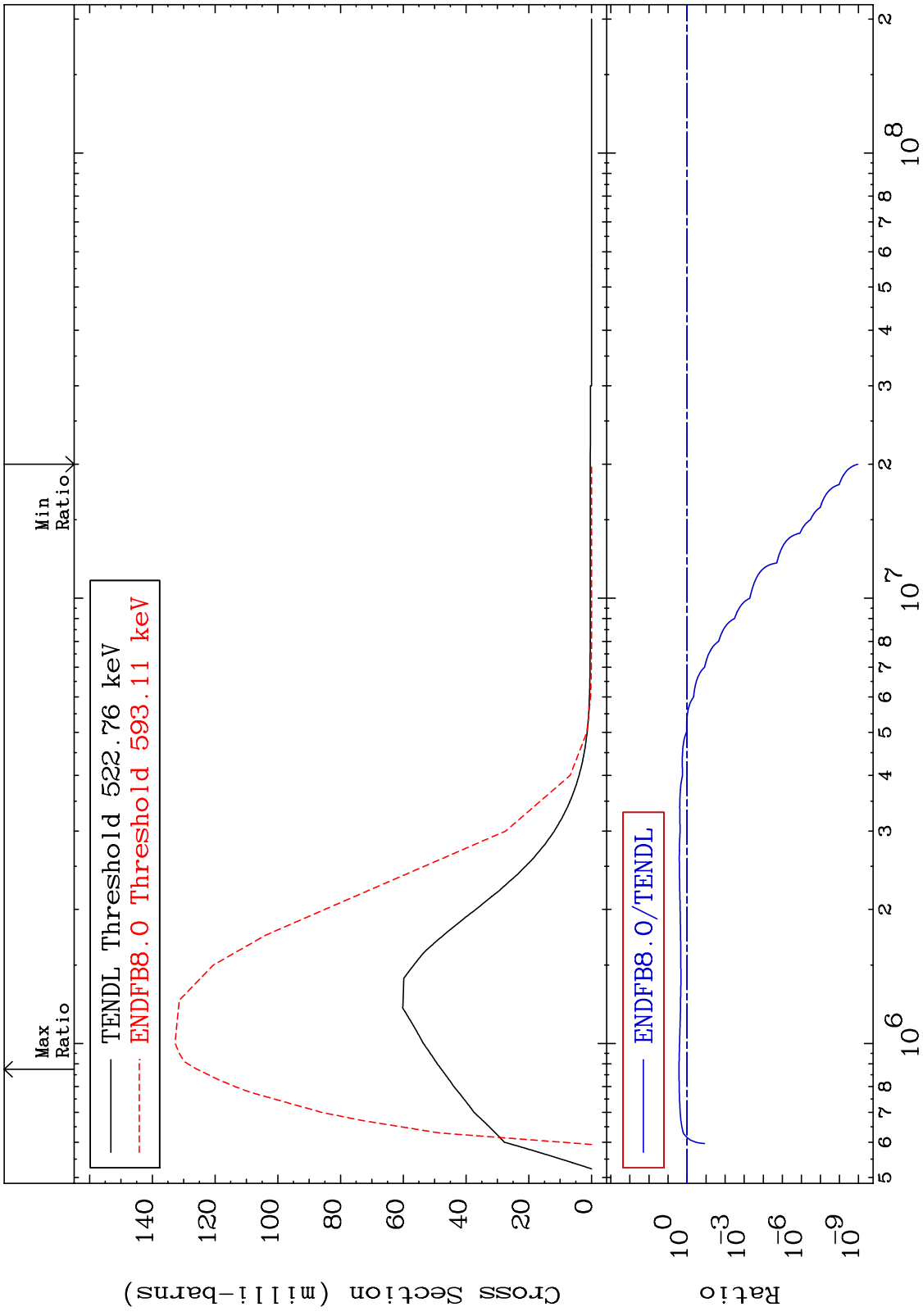


MAT 5440 MT= 57 (n,n') Level Cross Section 54-Xe-129 -100.0 To 157.6 %

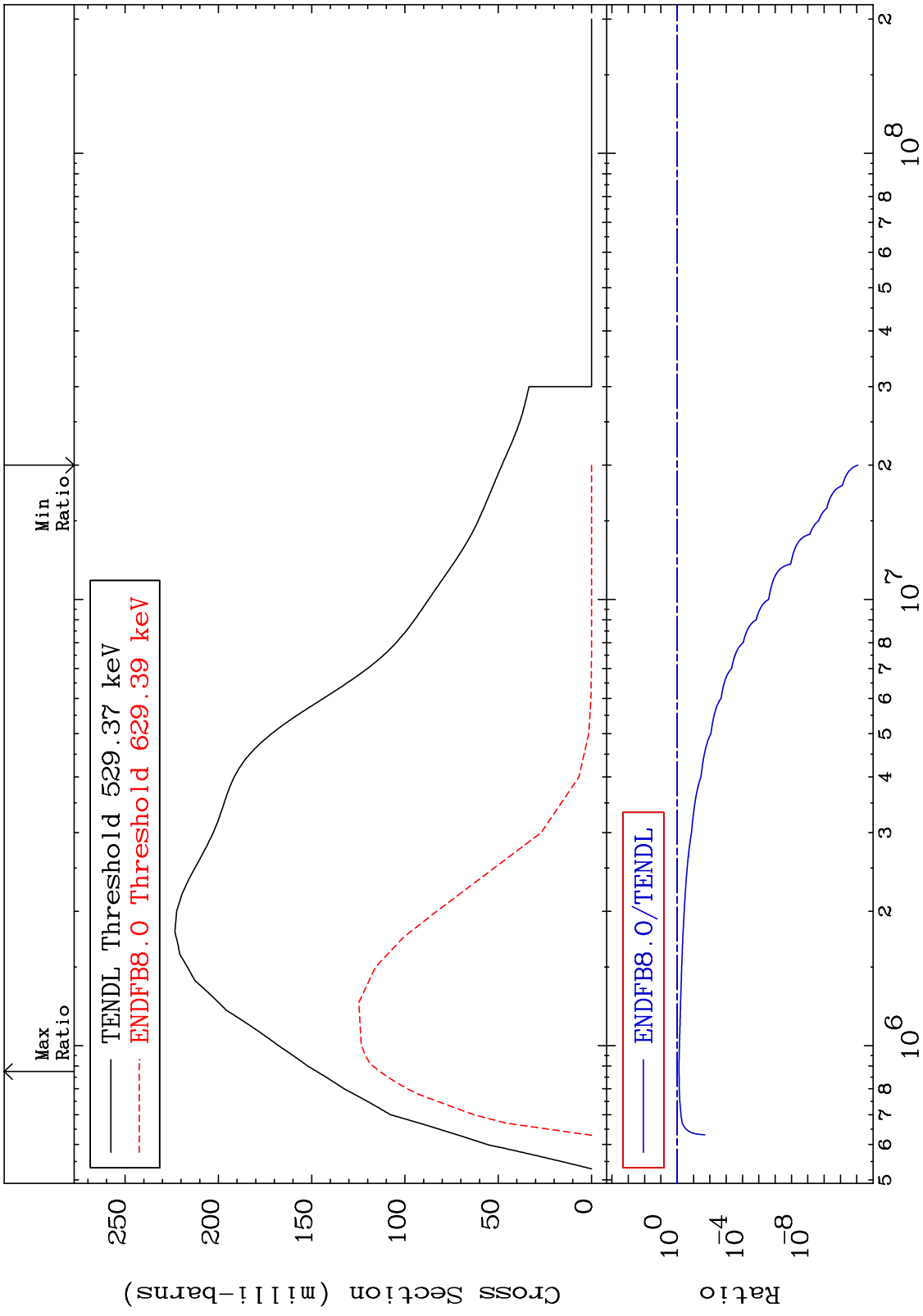




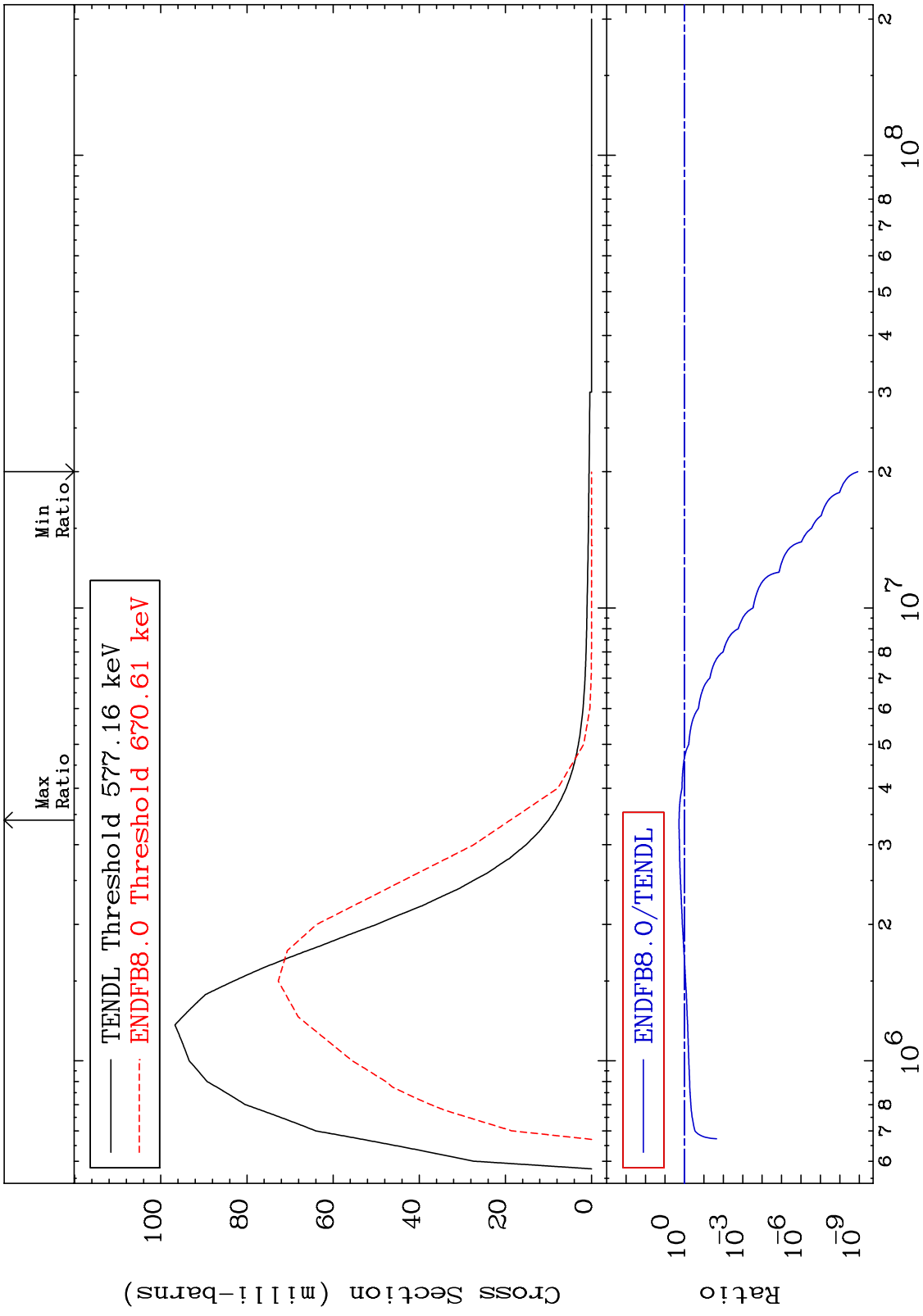
MAT 5440      MT= 58 (n,n') Level Cross Section      54-Xe-129  
 -100.0 To 162.7 %



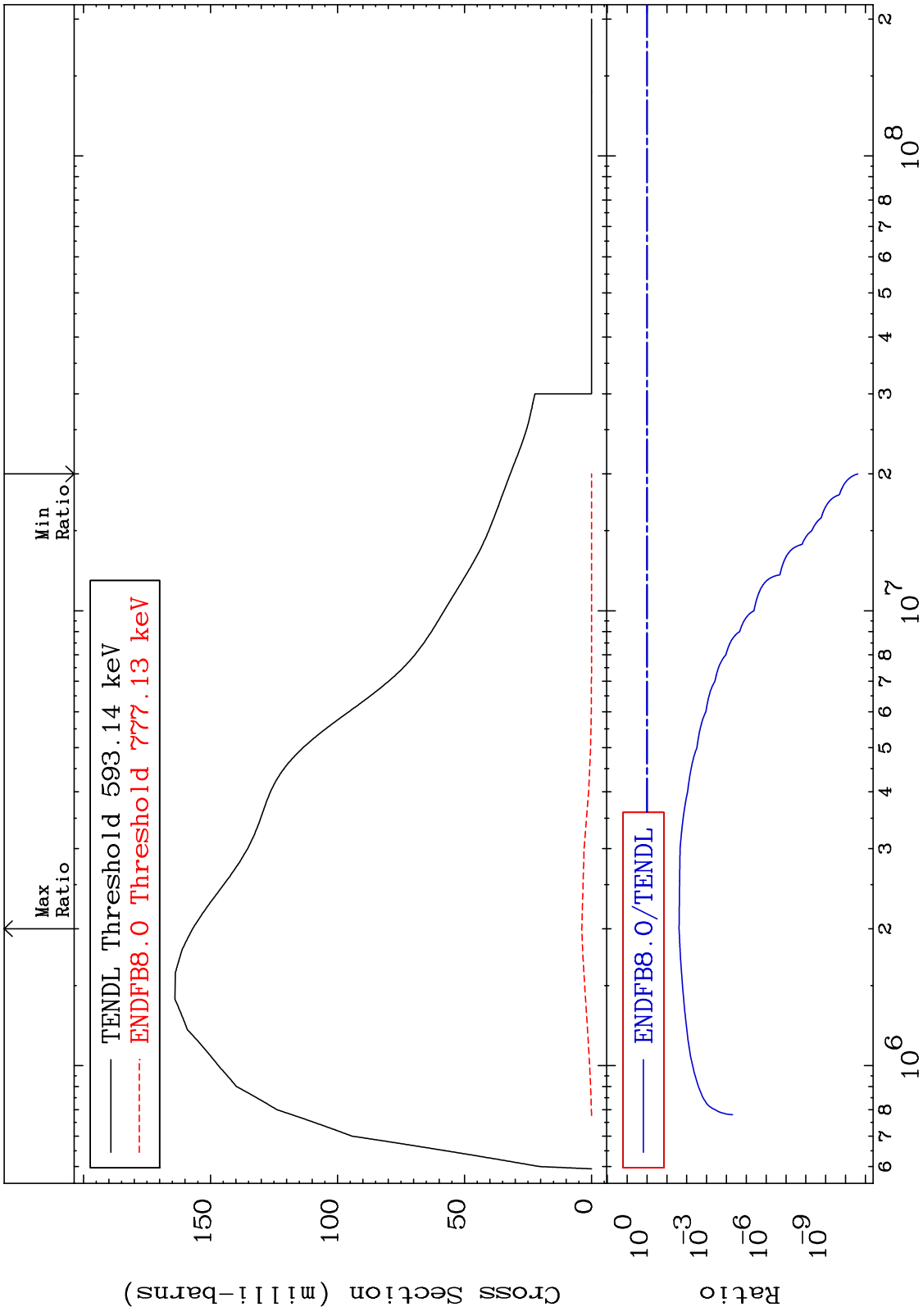
MAT 5440      MT= 59 (n,n') Level Cross Section      54-Xe-129  
 -100.0 To -22.90%



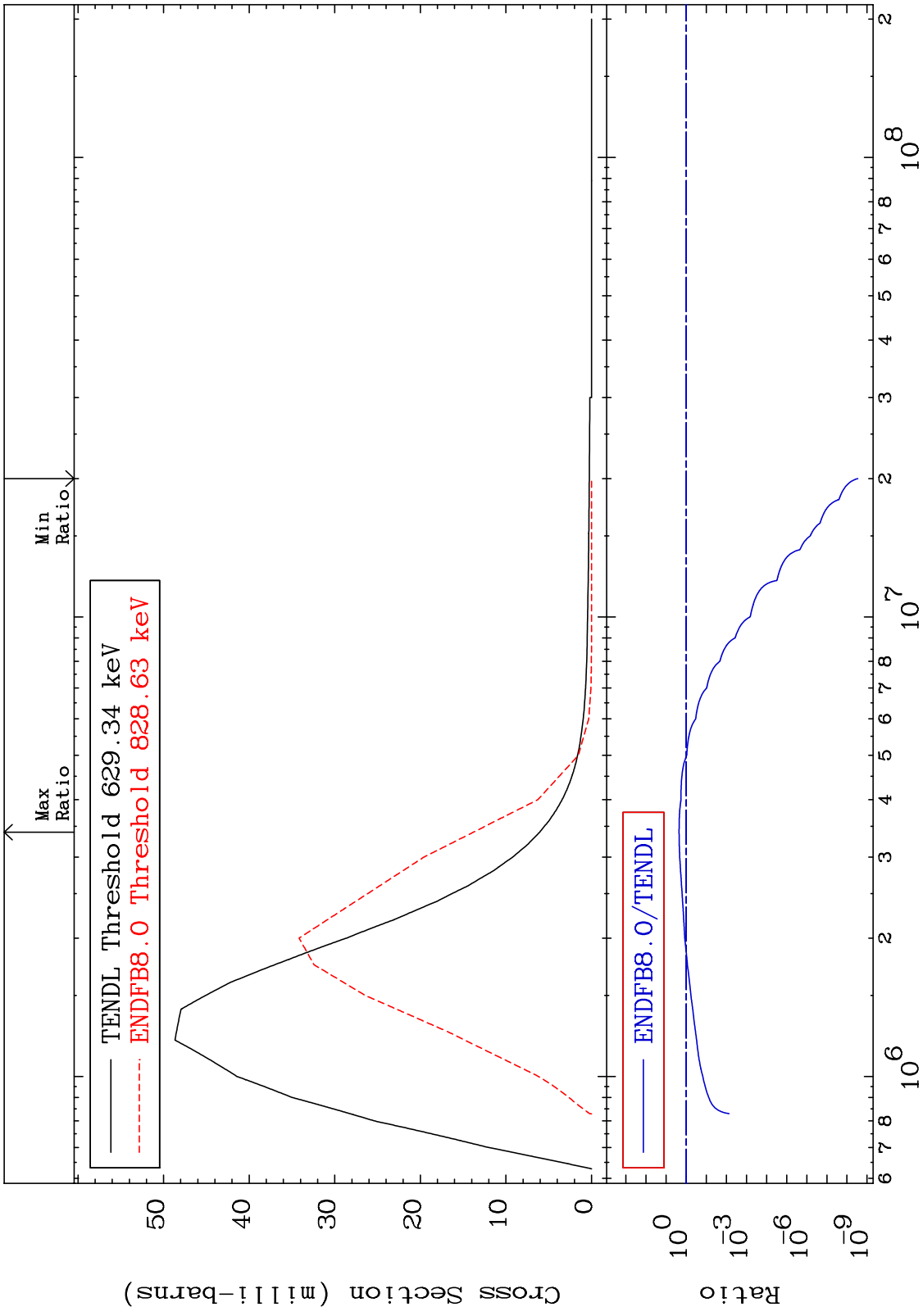
MAT 5440 MT= 60 (n,n') Level Cross Section 54-Xe-129 -100.0 To 88.53 %



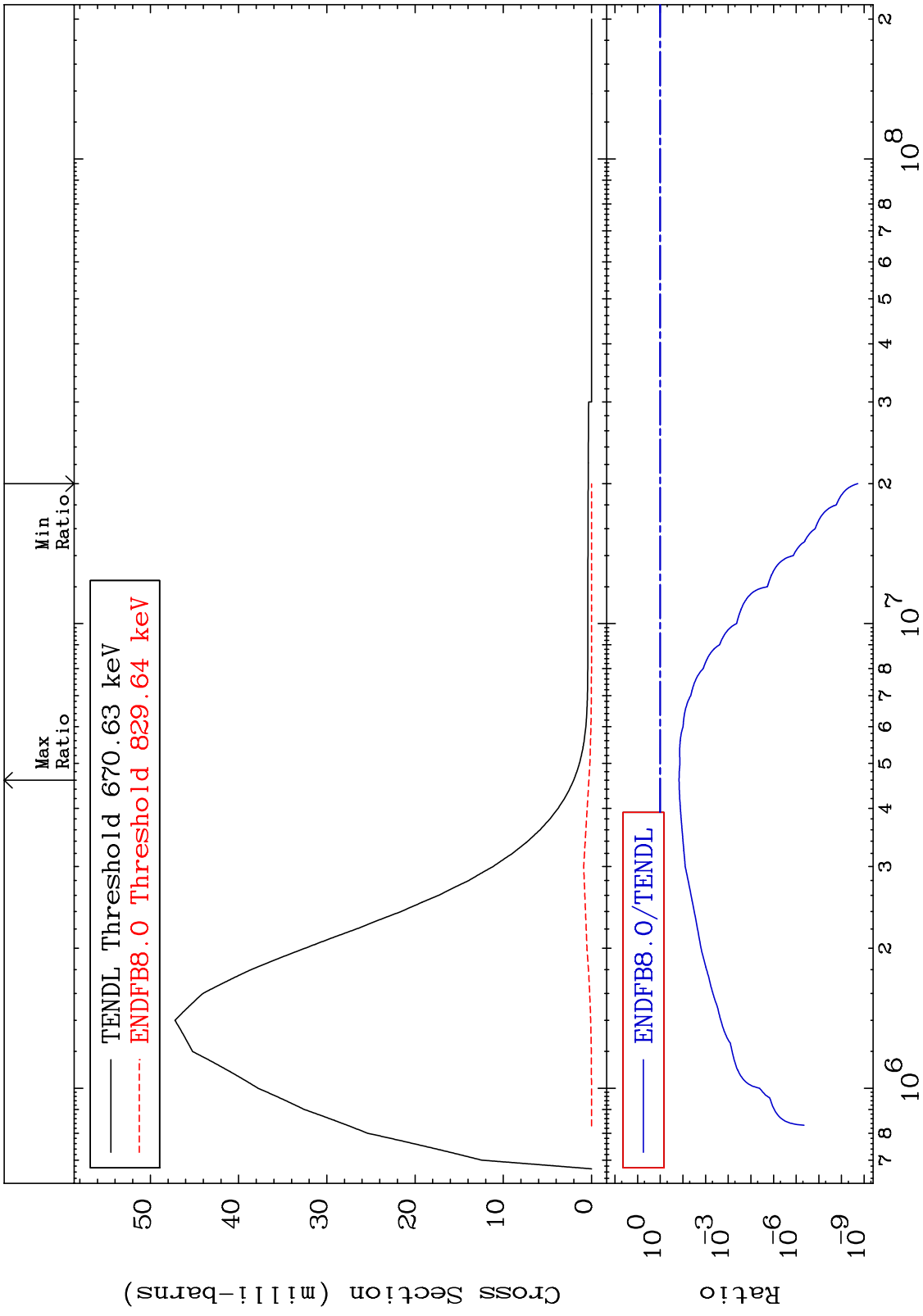
MAT 5440 MT= 61 (n,n') Level Cross Section 54-Xe-129 -100.0 To -97.56%



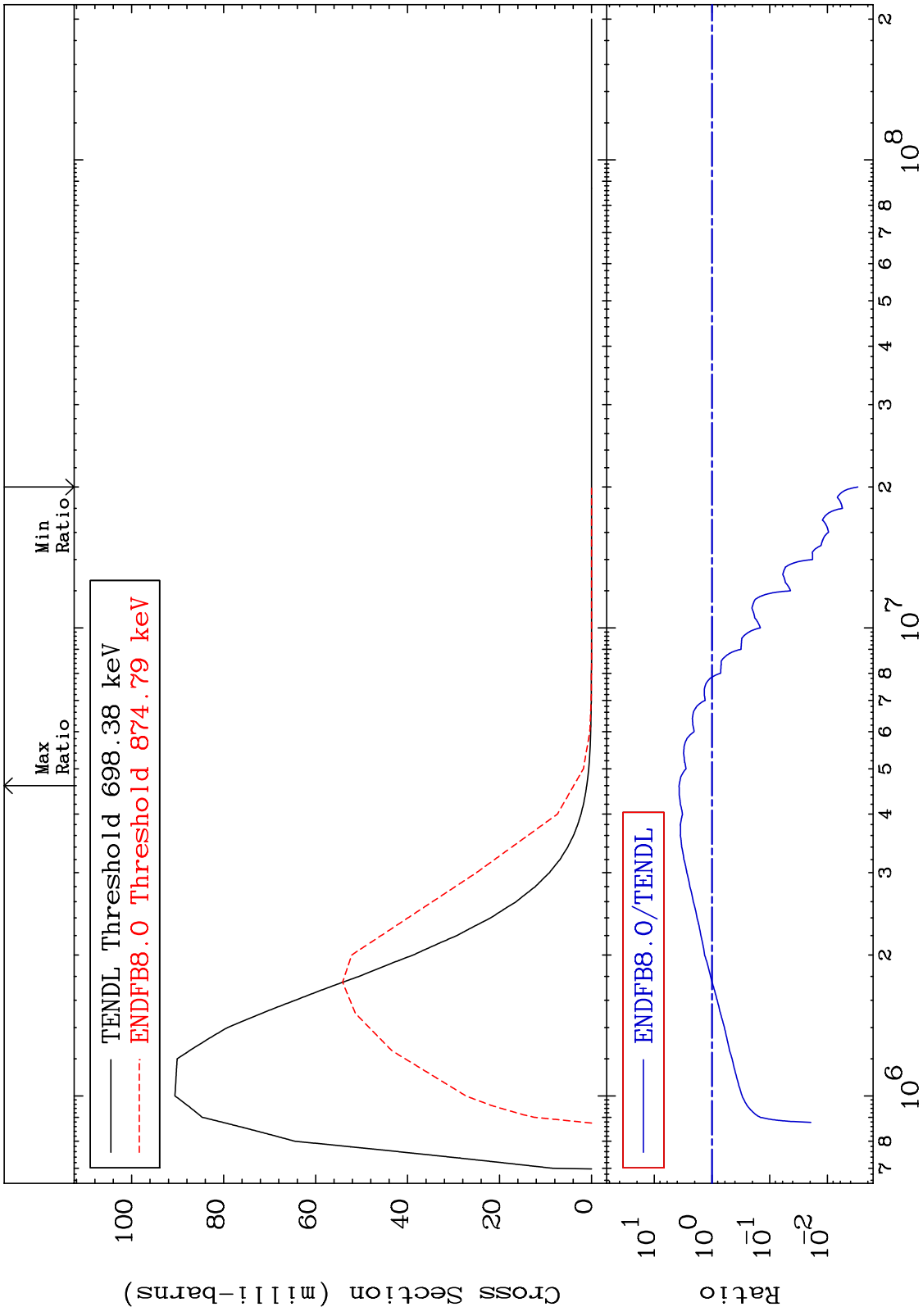
MAT 5440 MT= 62 (n,n') Level Cross Section 54-Xe-129 -100.0 To 127.9 %



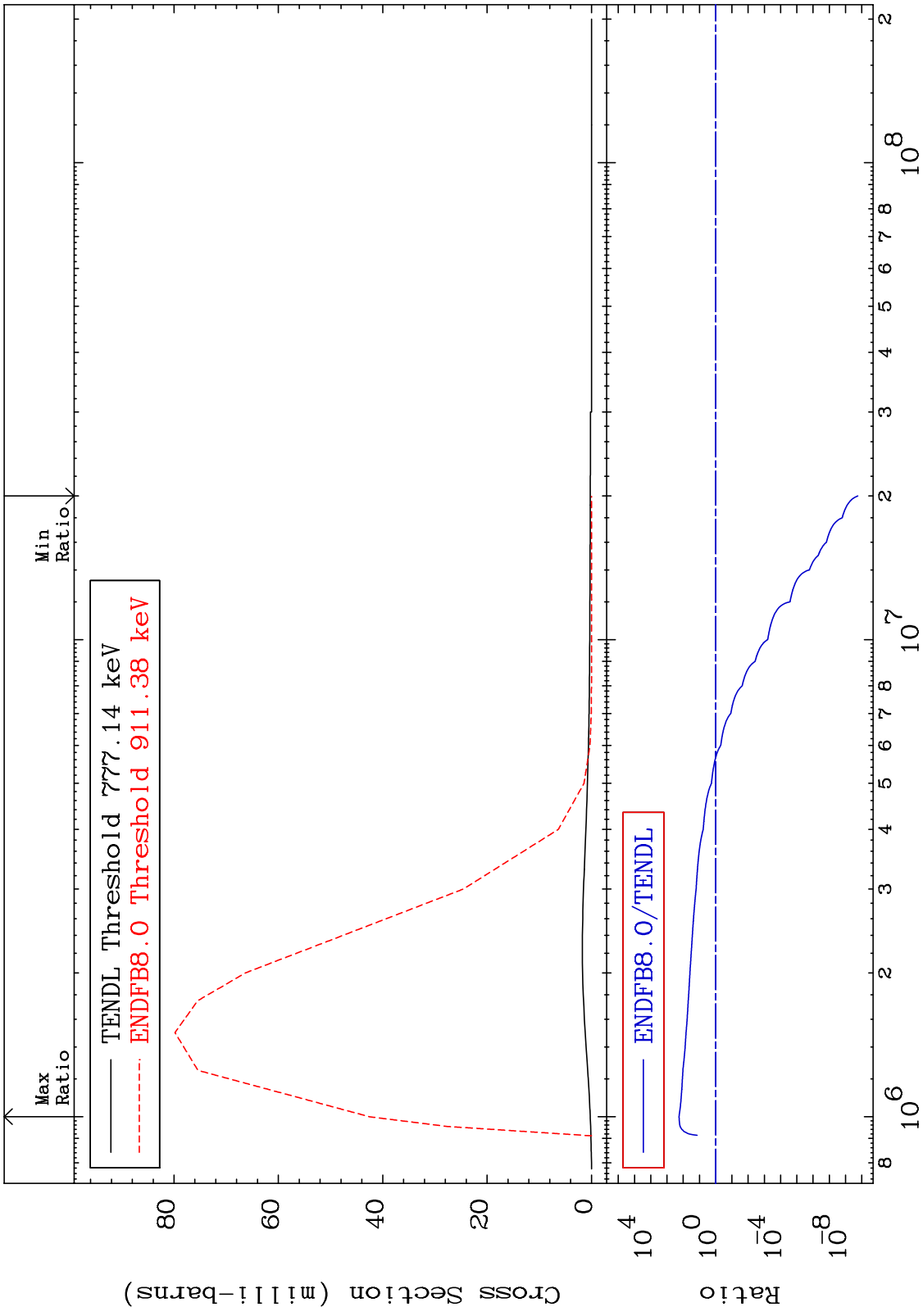
MAT 5440 MT= 63 (n,n') Level Cross Section 54-Xe-129 -100.0 To -85.18%



MAT 5440 MT= 64 (n,n') Level Cross Section 54-Xe-129 -99.70 To 272.8 %

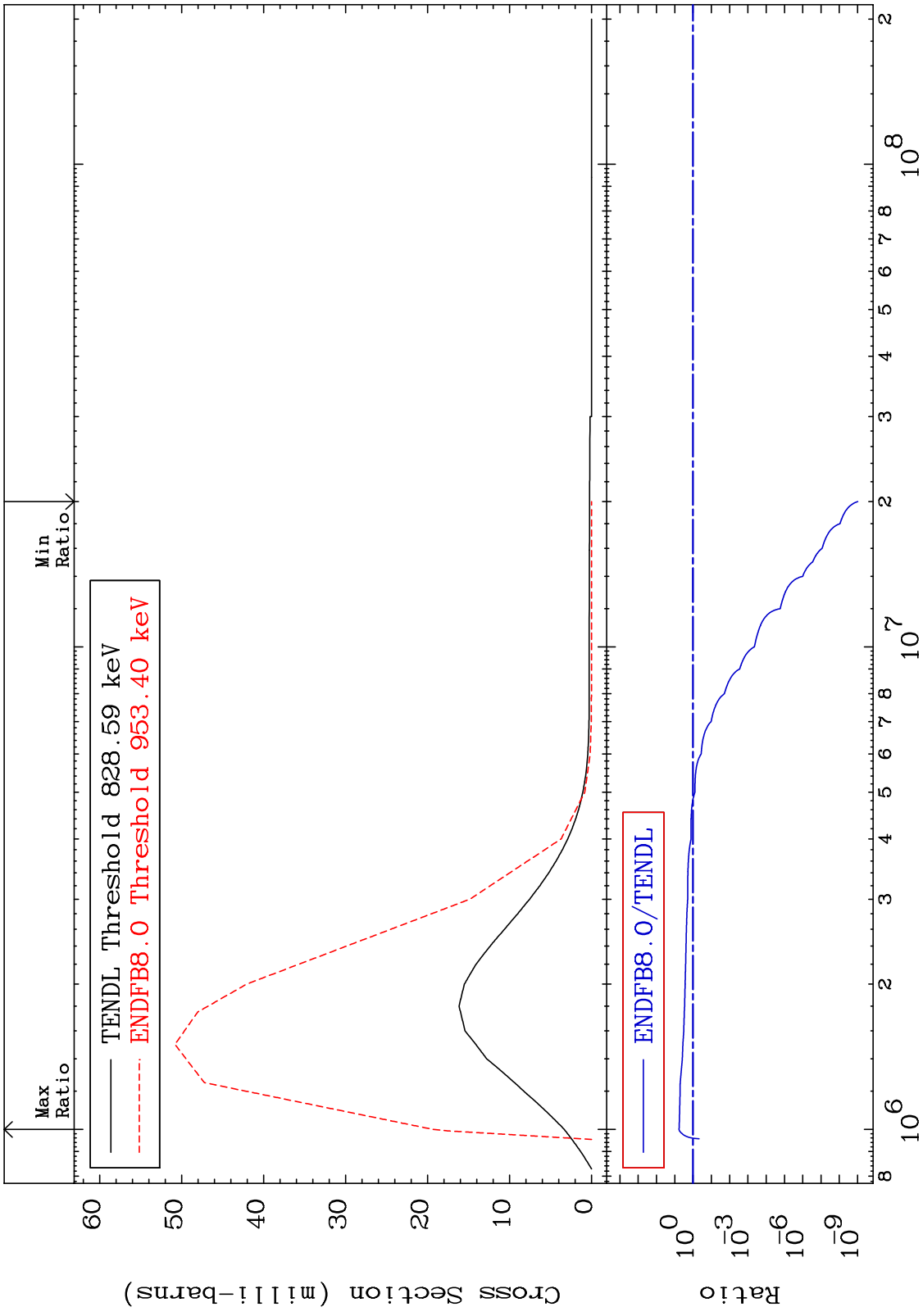


MAT 5440 MT= 65 (n,n') Level Cross Section 54-Xe-129  
 -100.0 To 9999. %

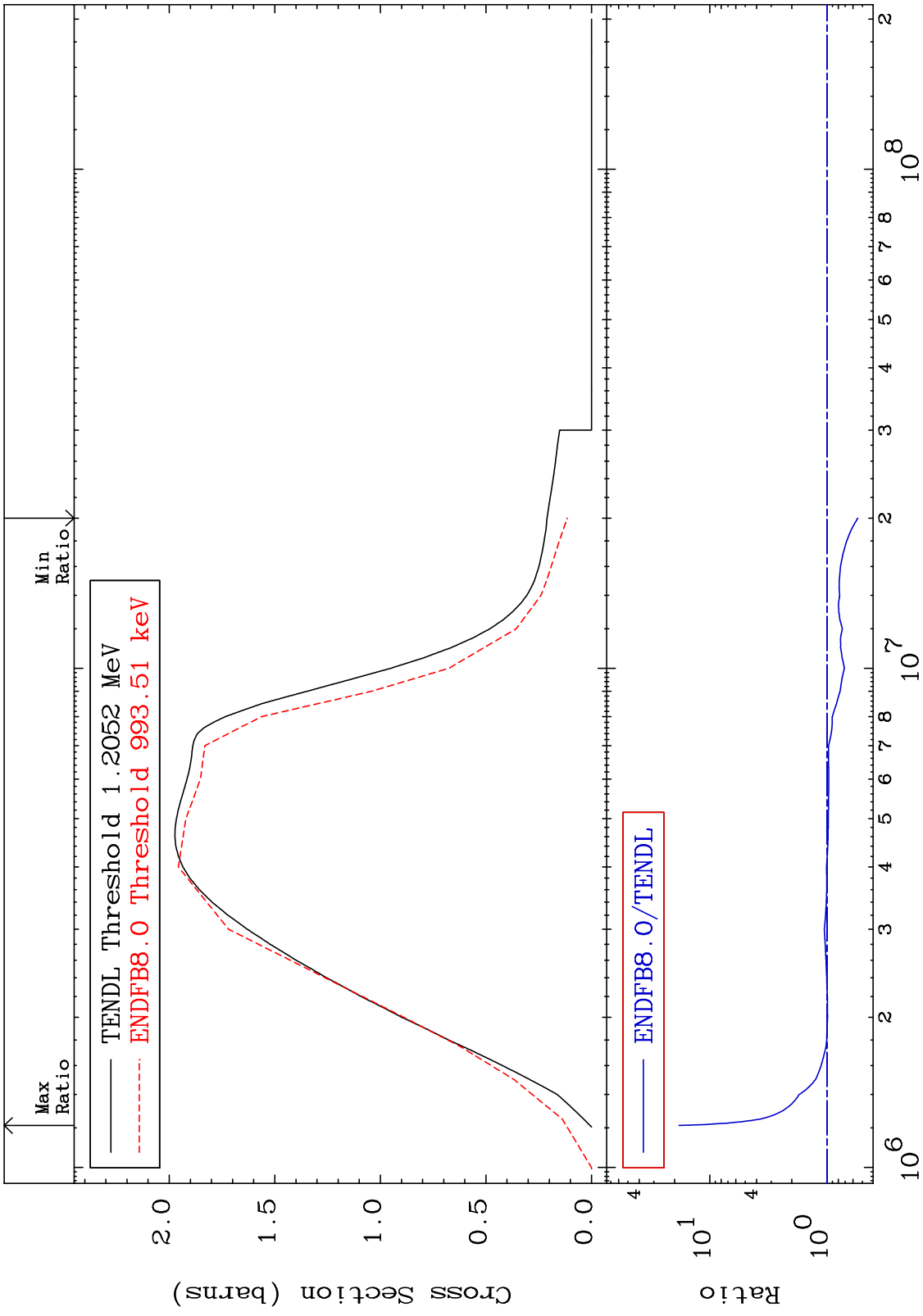




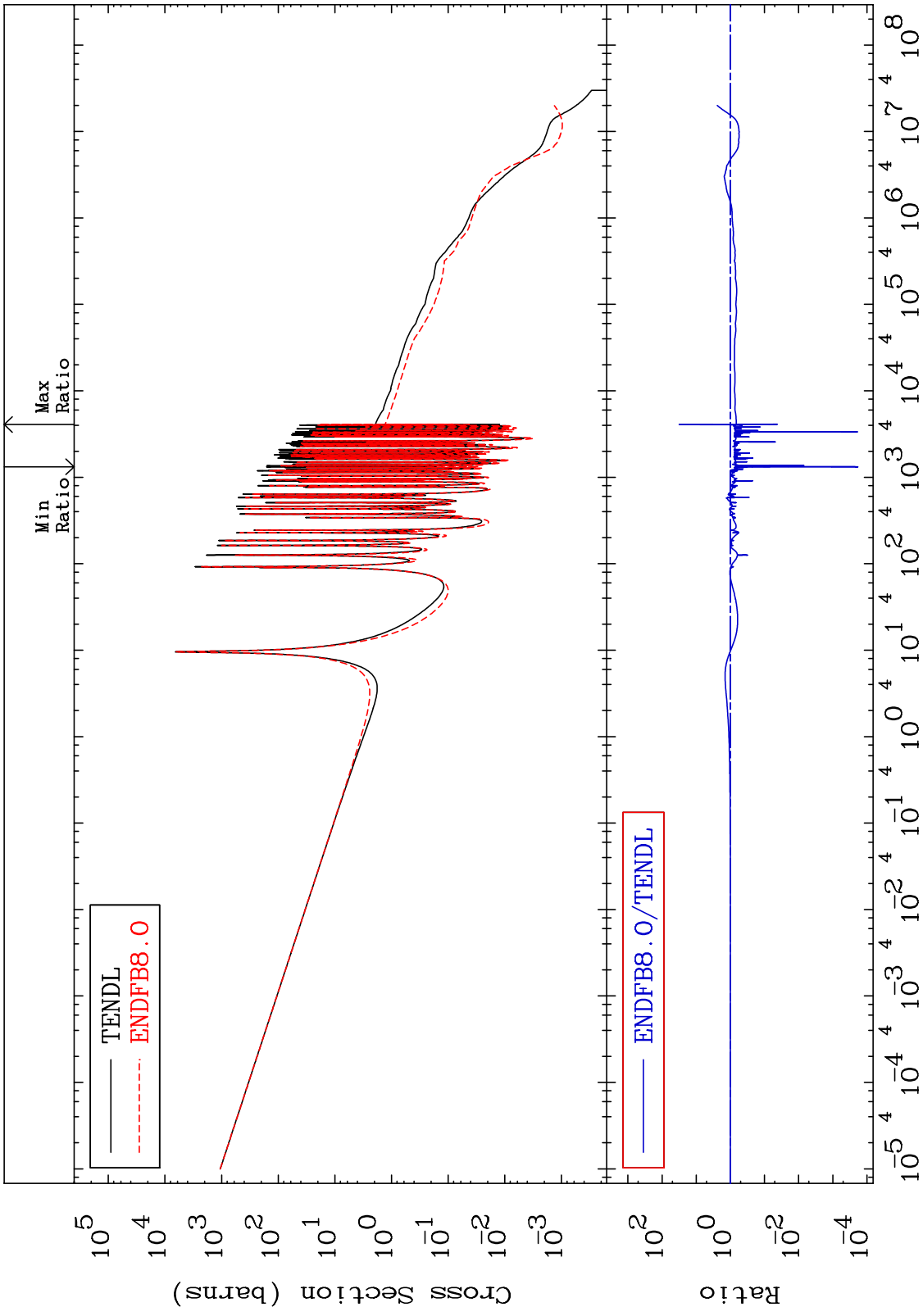
MAT 5440 MT= 66 (n,n') Level Cross Section 54-Xe-129 -100.0 To 481.5 %

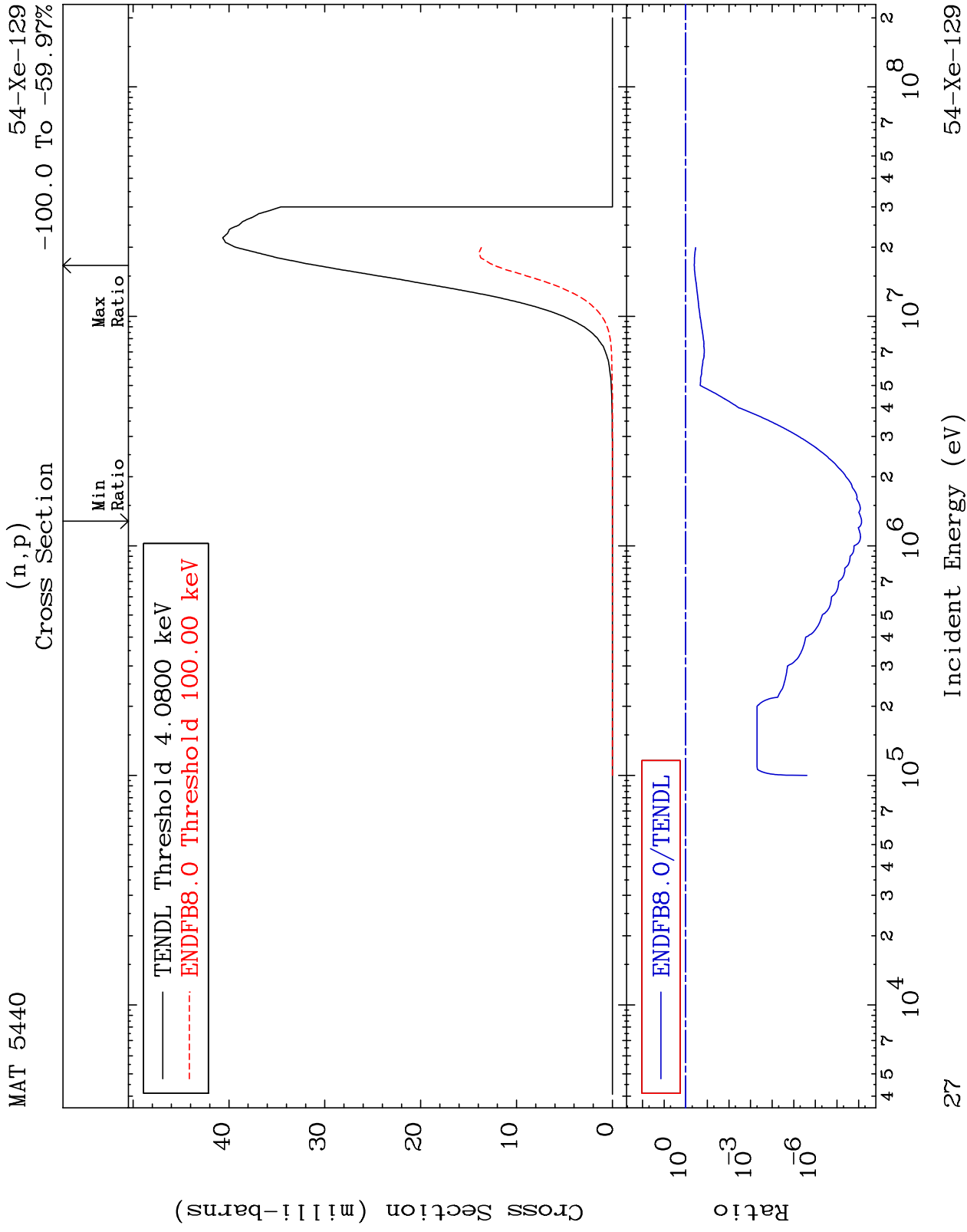


MAT 5440 (n, n') Continuum Cross Section 54-Xe-129 -45.40 To 1731. %

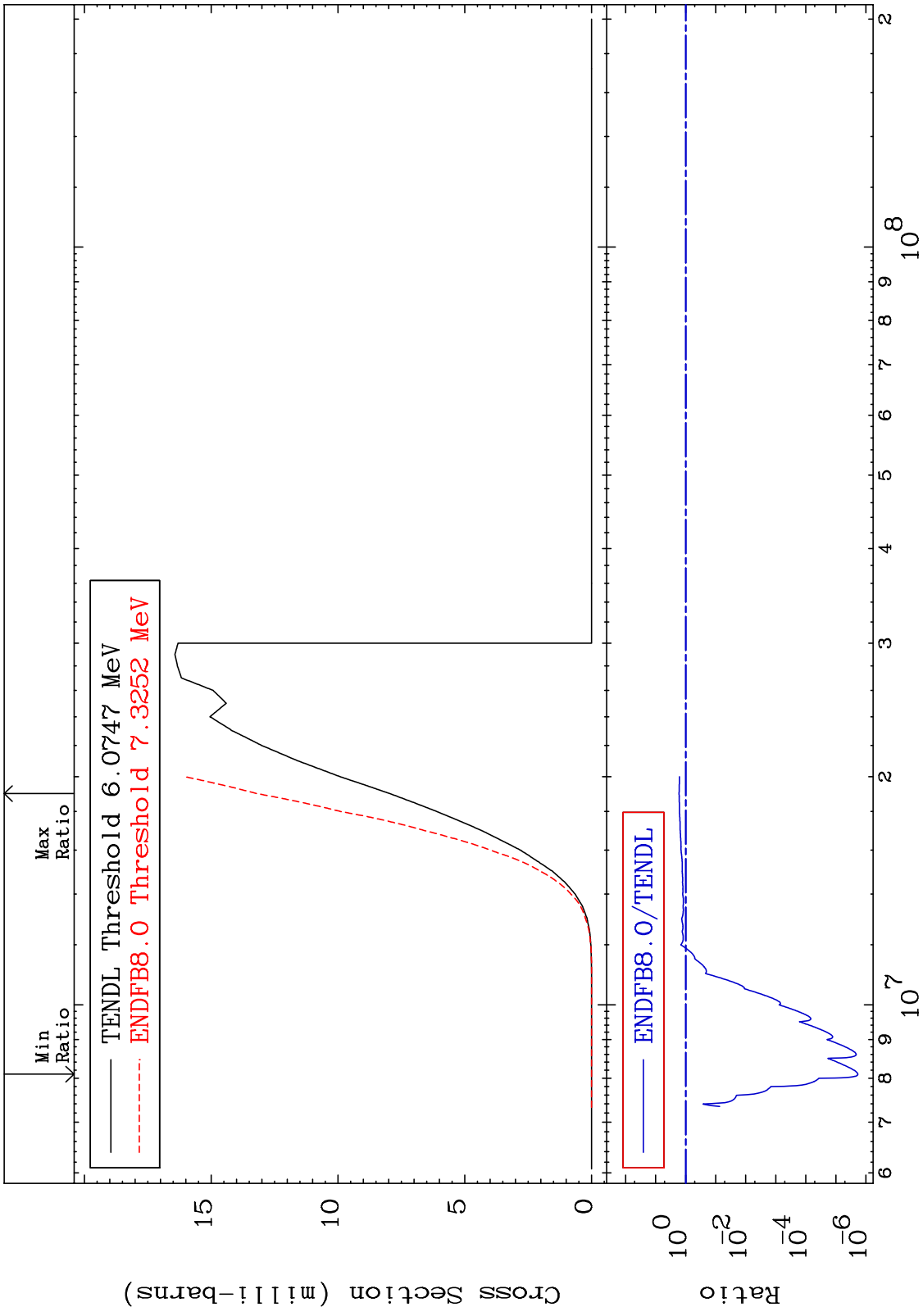


MAT 5440 54-Xe-129  
-99.98 To 3079. %  
 (n,  $\gamma$ )  
 Cross Section

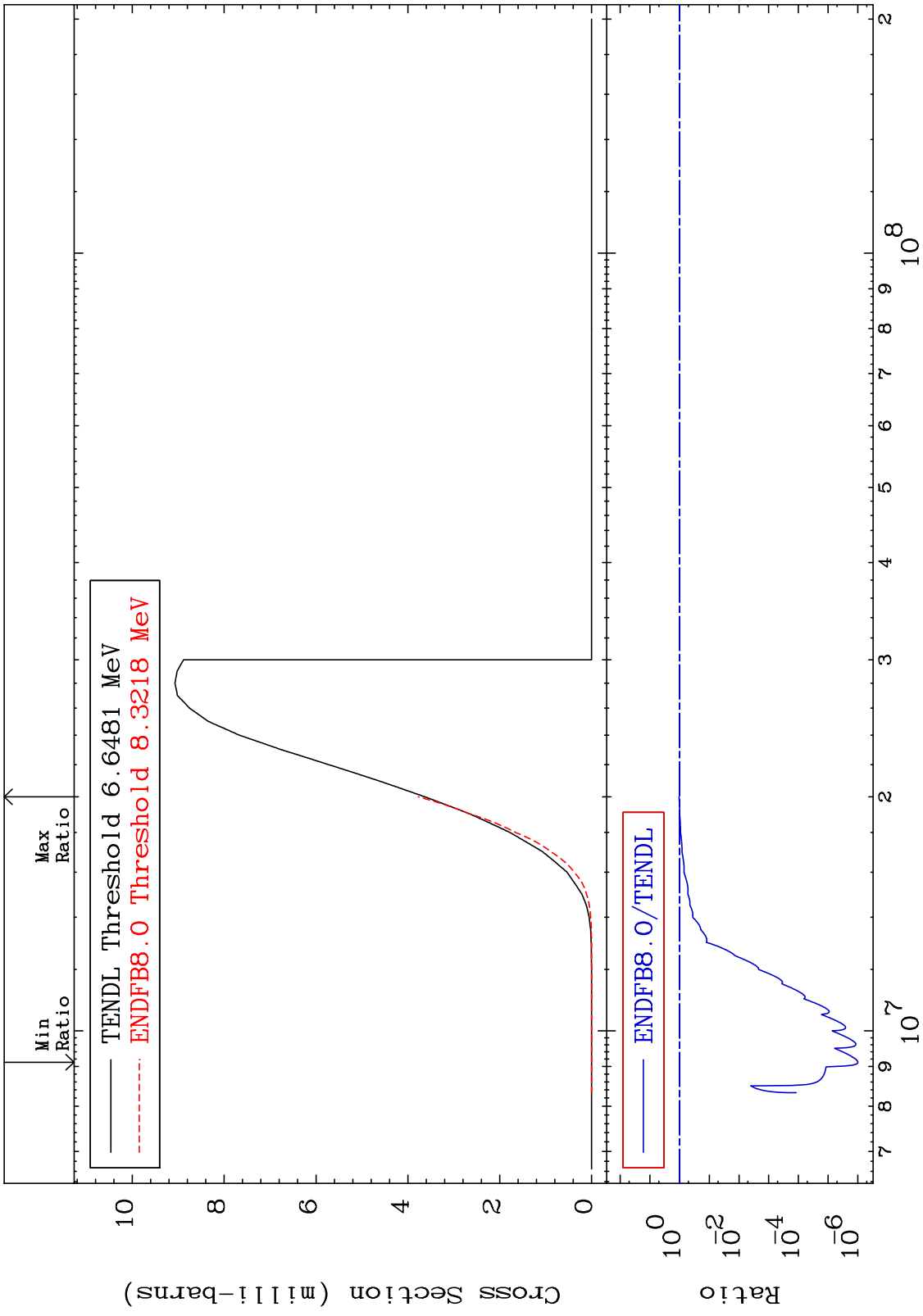


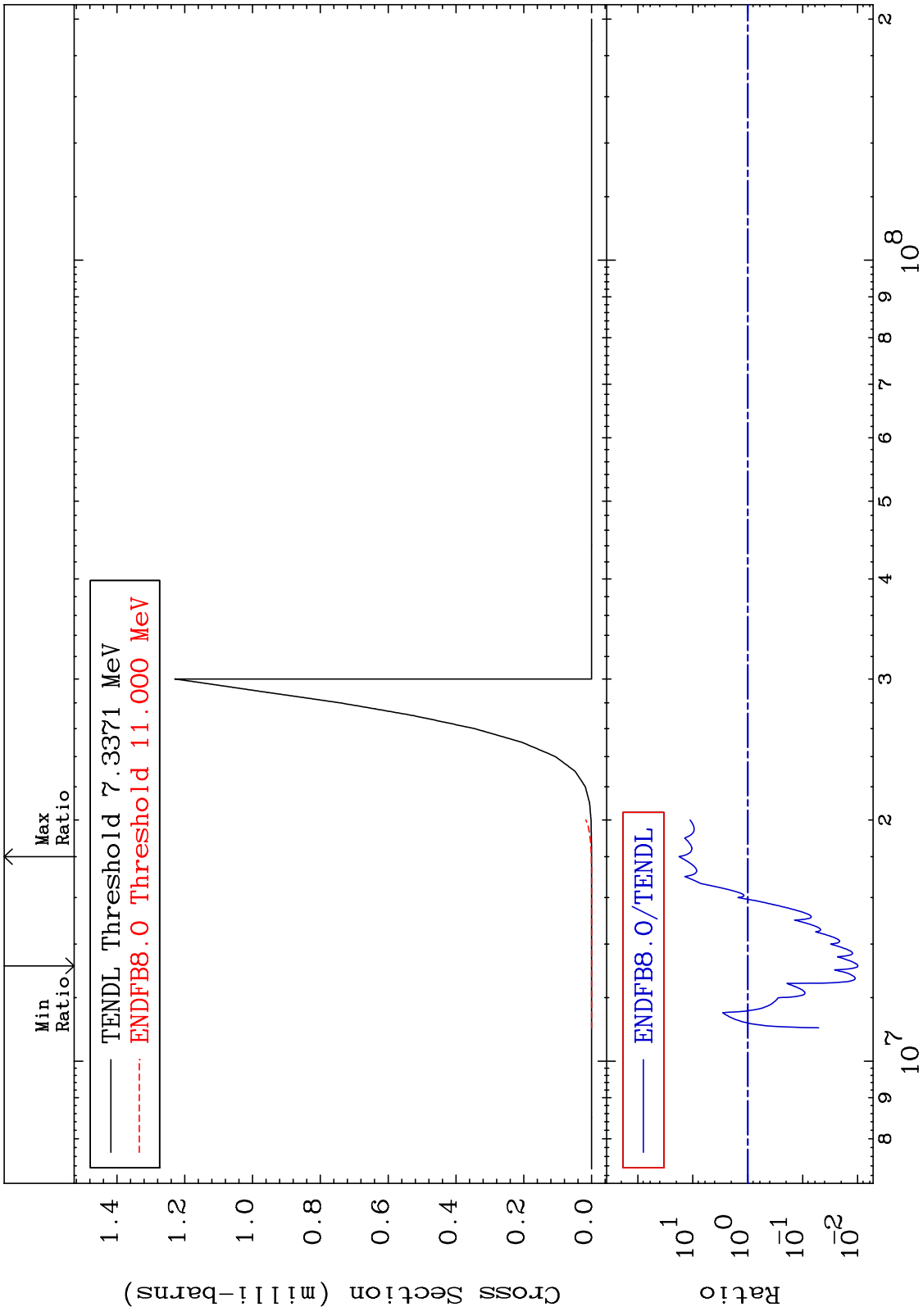


MAT 5440 (n,d) Cross Section 54-Xe-129 -100.0 To 65.92 %



MAT 5440 54-Xe-129  
-100.0 To 3.861 %  
(n, t)  
Cross Section





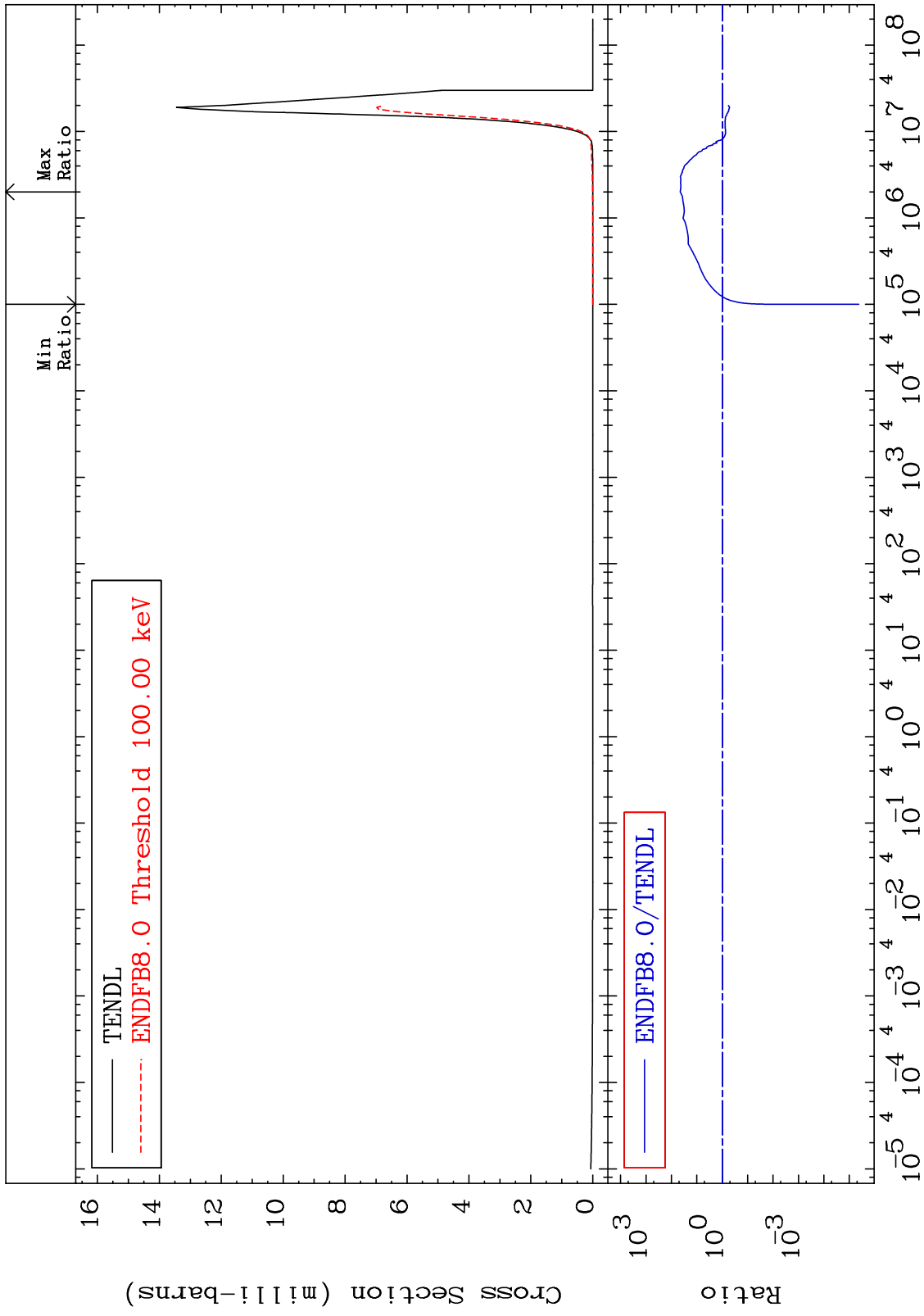
MAT 5440

(n,  $\alpha$ )

54-Xe-129

Cross Section

-100.0 To 4407. %

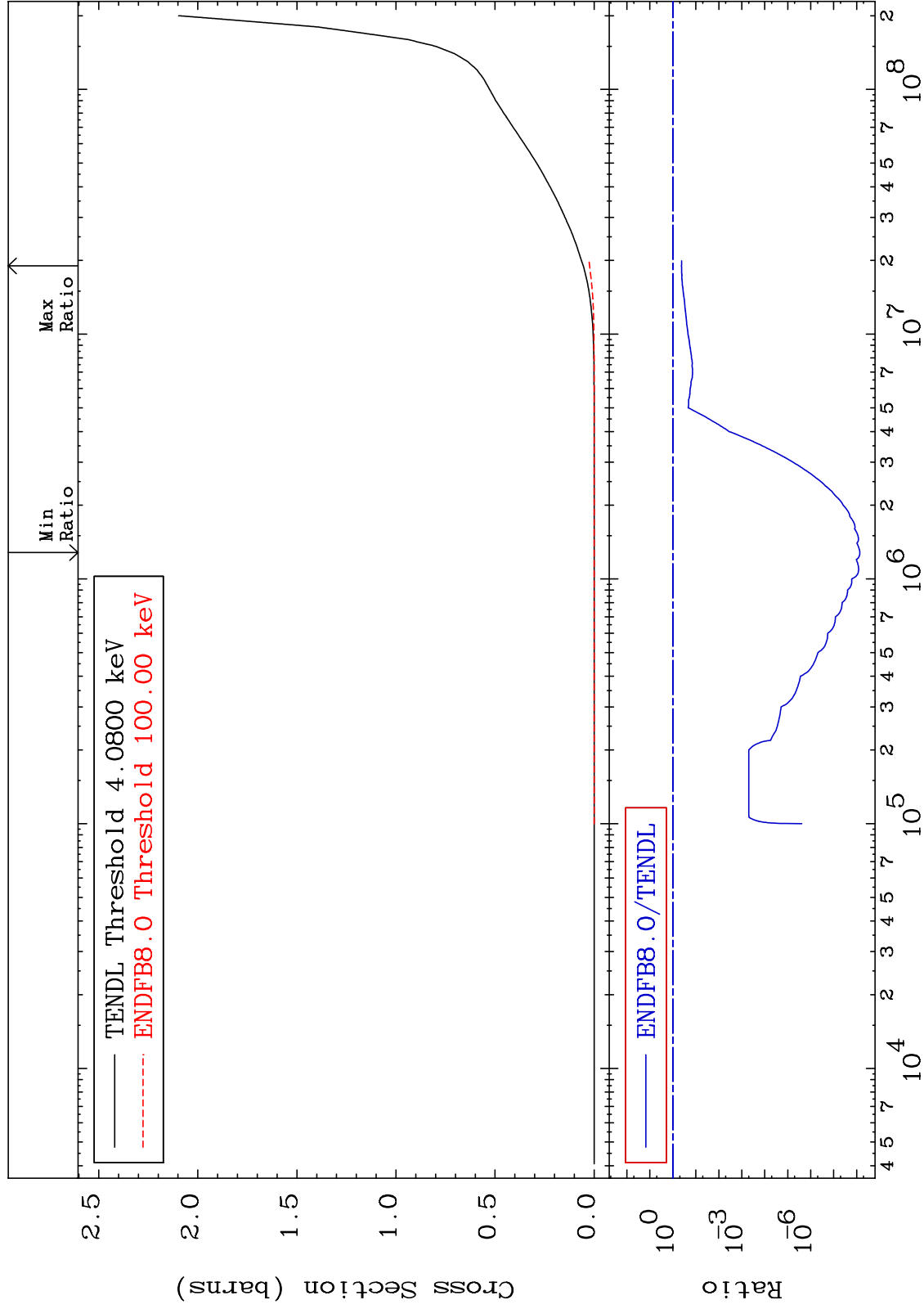


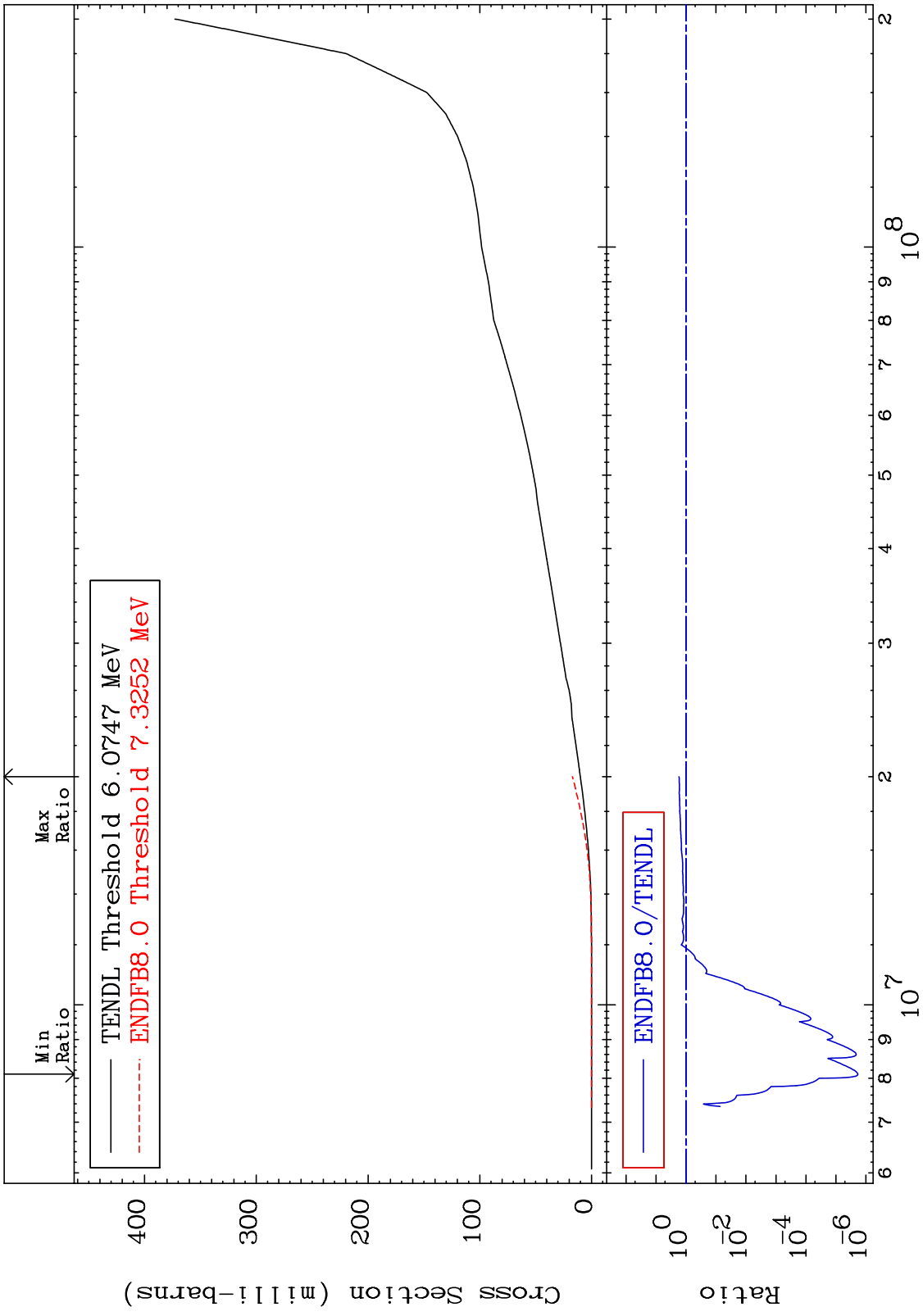


MAT 5440

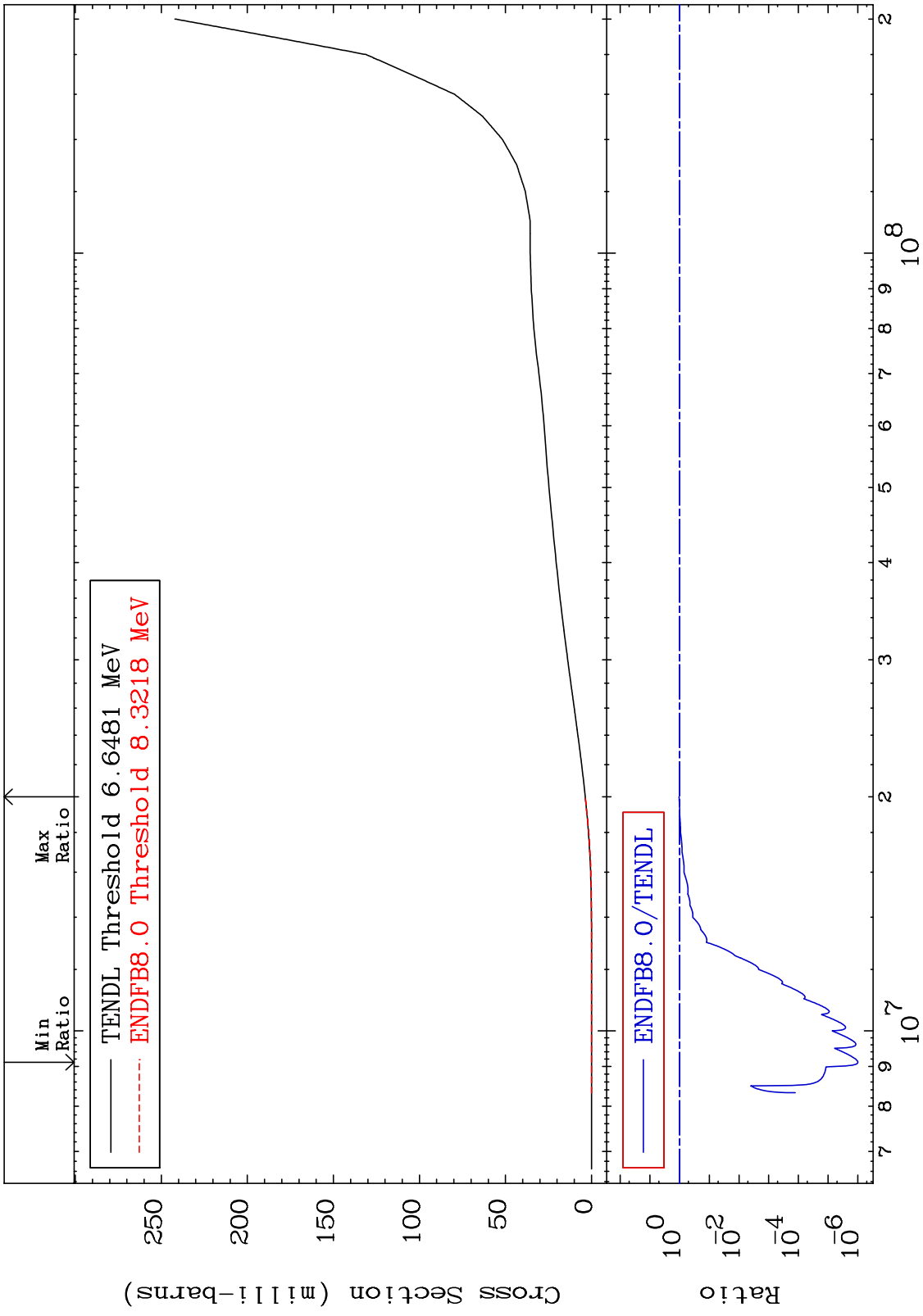
Hydrogen Production  
Cross Section

54-Xe-129  
-100.0 To -57.84%





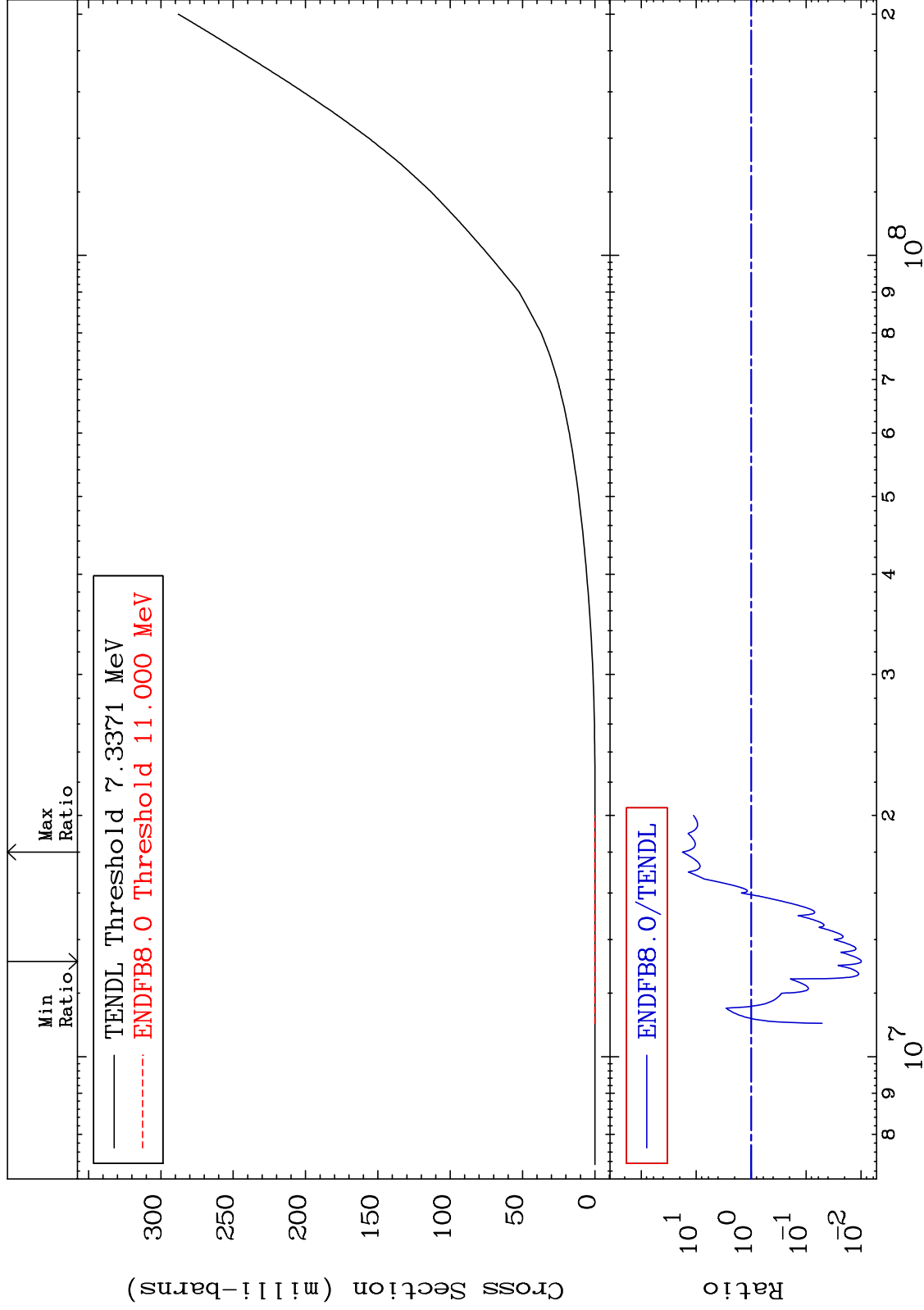
MAT 5440 Tritium Production Cross Section 54-Xe-129 -100.0 To 3.861 %



MAT 5440

He-3 Production  
Cross Section

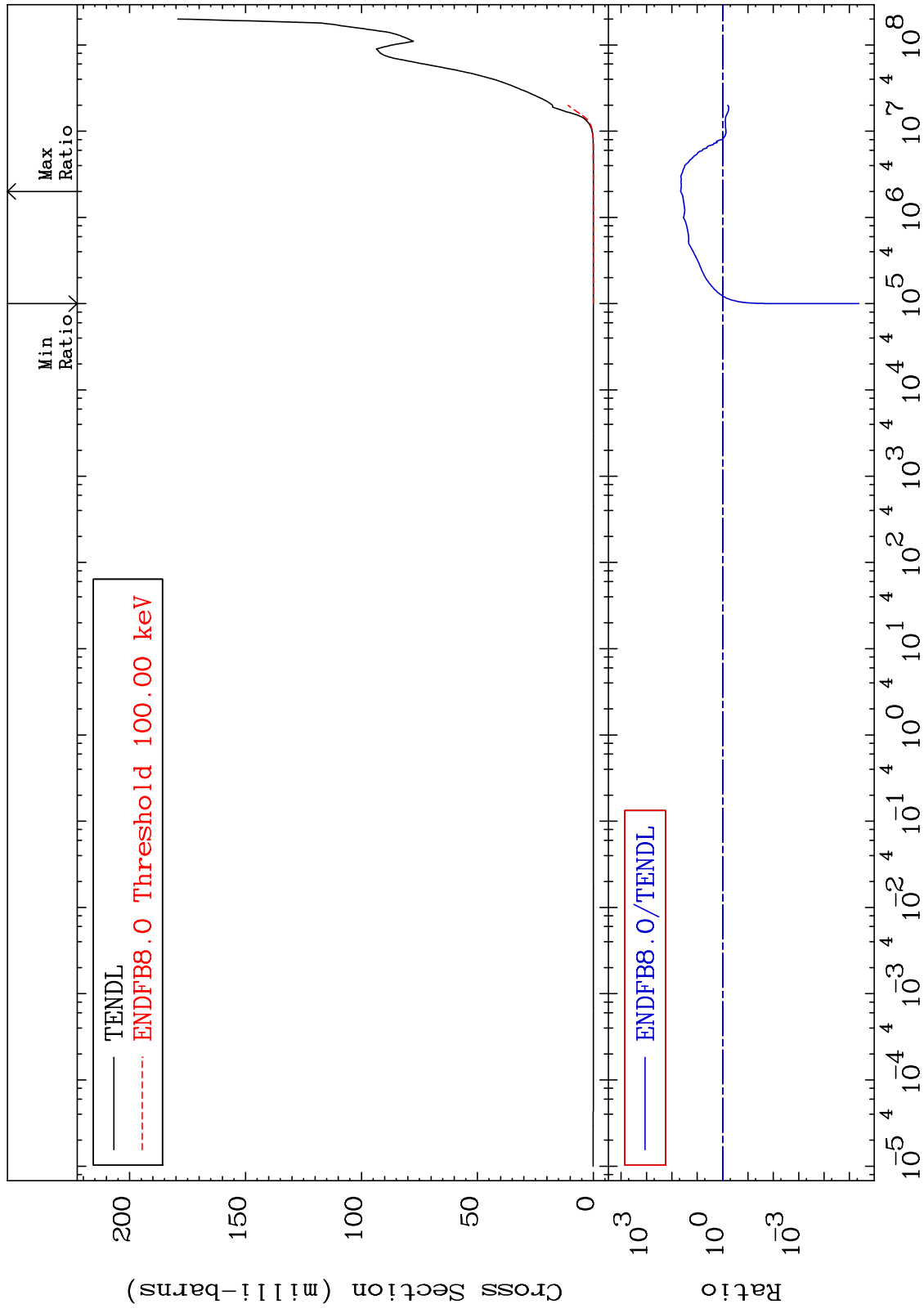
54-Xe-129  
-99.01 To 1681. %



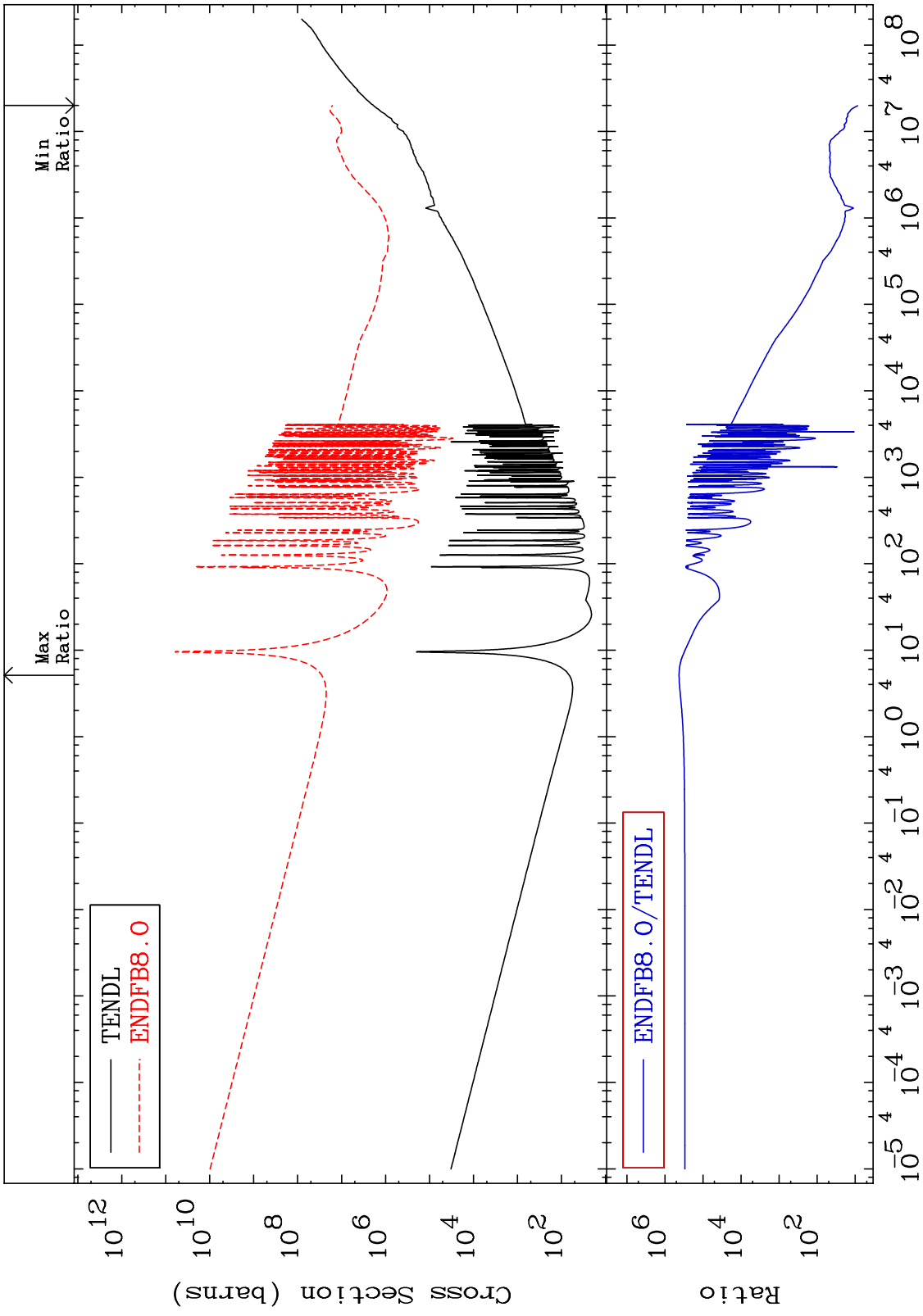
MAT 5440

He-4 Production  
Cross Section

54-Xe-129  
-100.0 To 4407. %



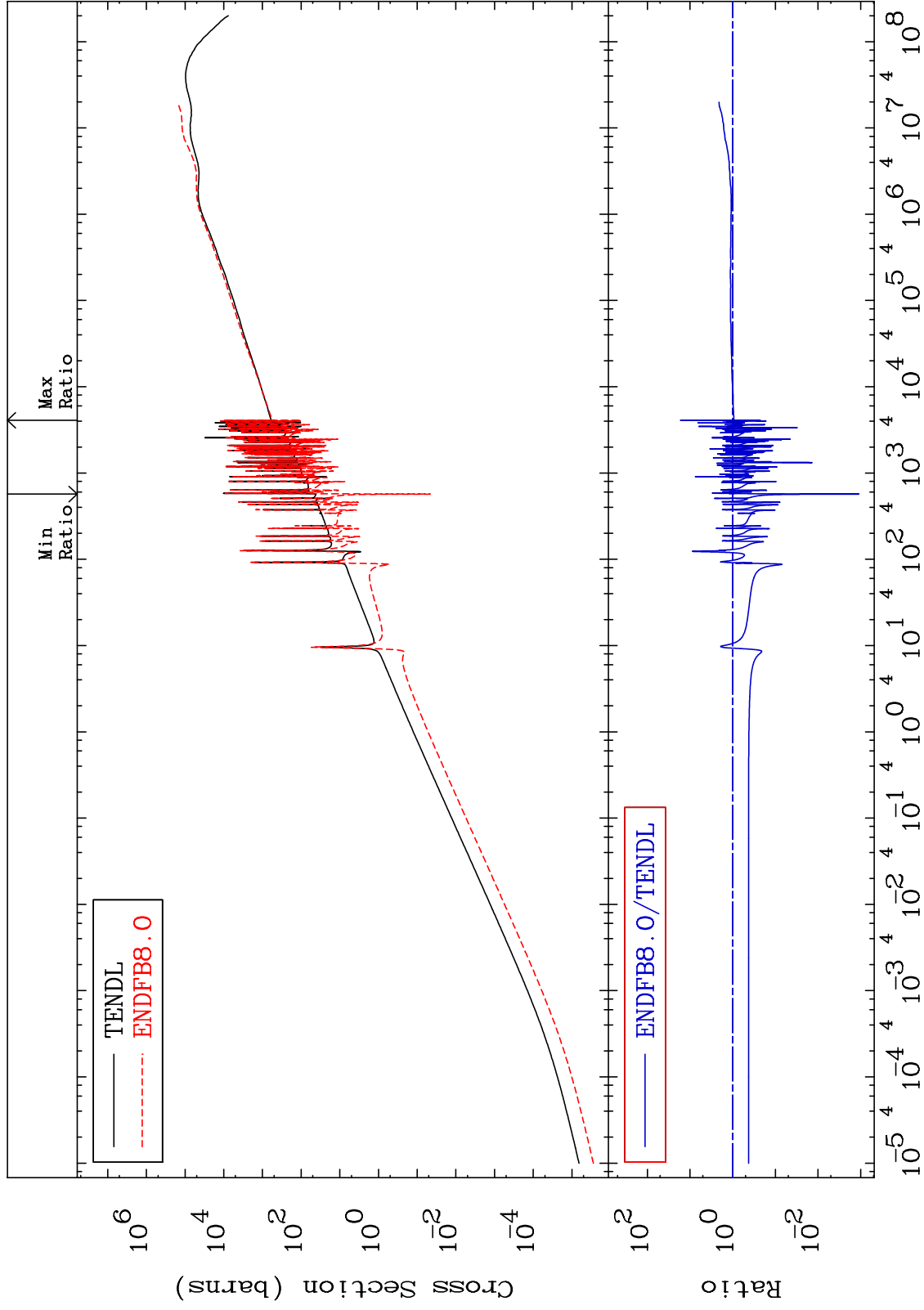
MAT 5440 Kerma total (eV-barns) 54-Xe-129  
 Cross Section 755.2 To 9999. %



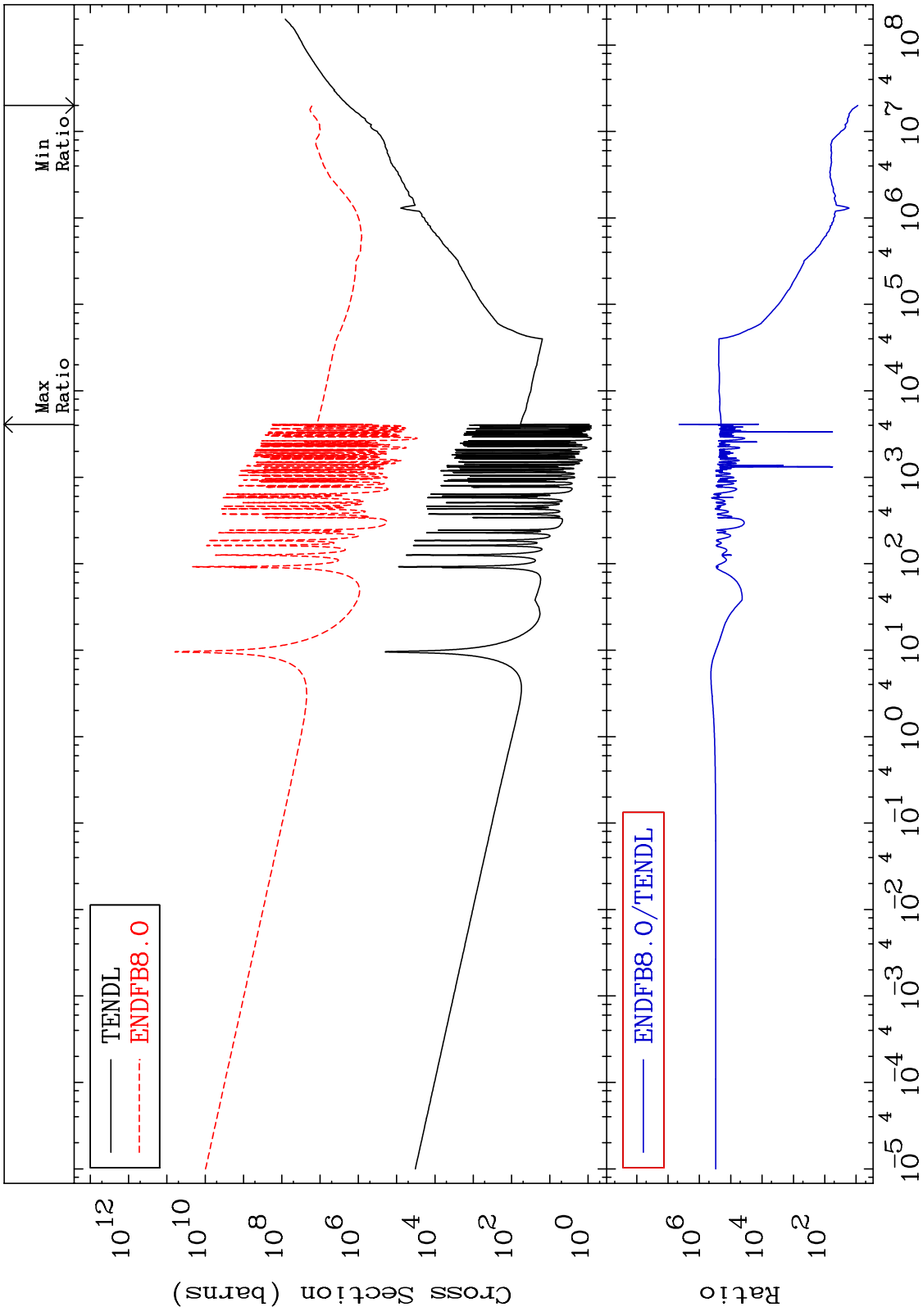
MAT 5440

Kerma elastic  
Cross Section

54-Xe-129  
-99.89 To 1557. %

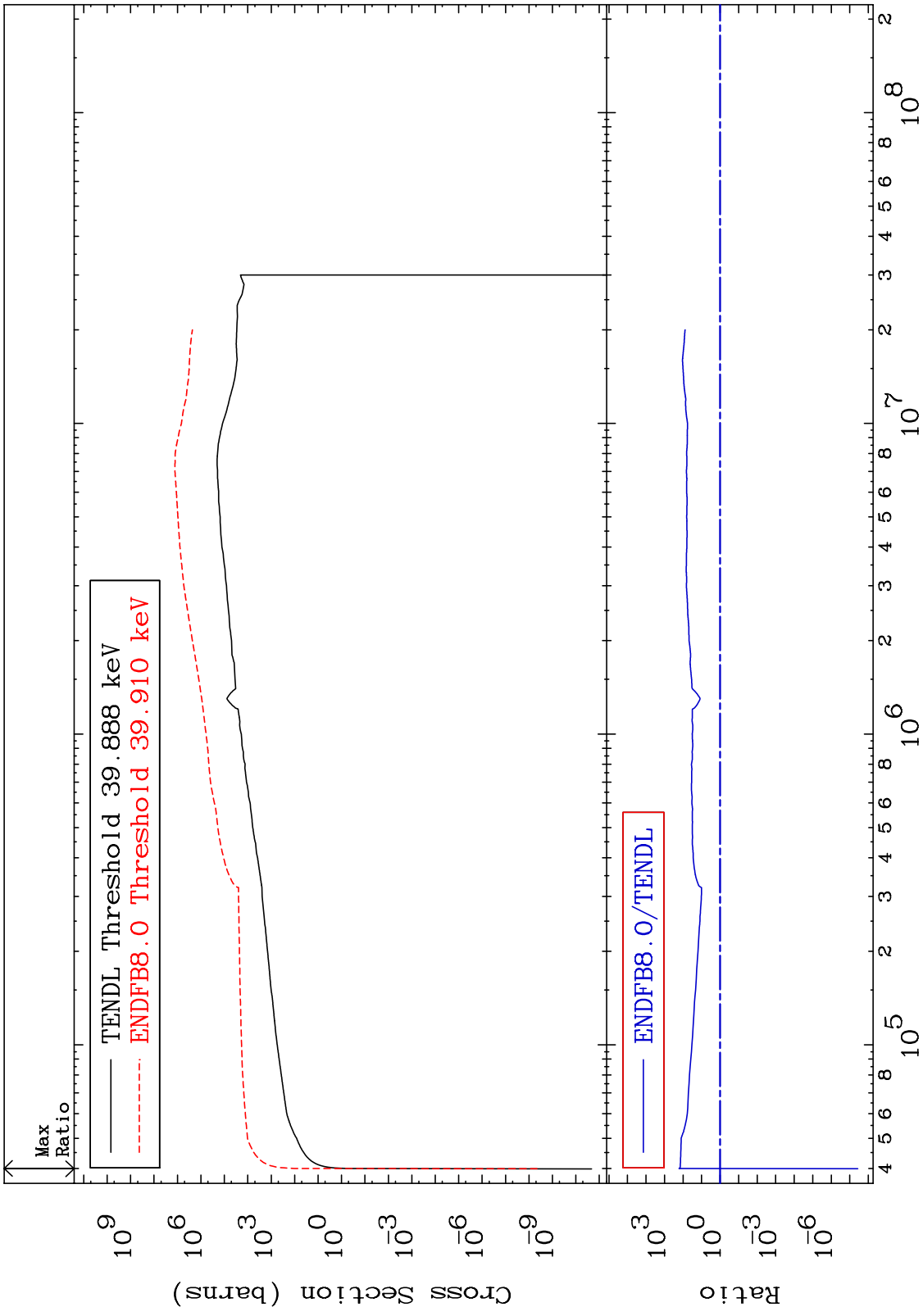


MAT 5440      Kerma non-elastic (all but mt2)      54-Xe-129  
 Cross Section      781.3      To 9999. %

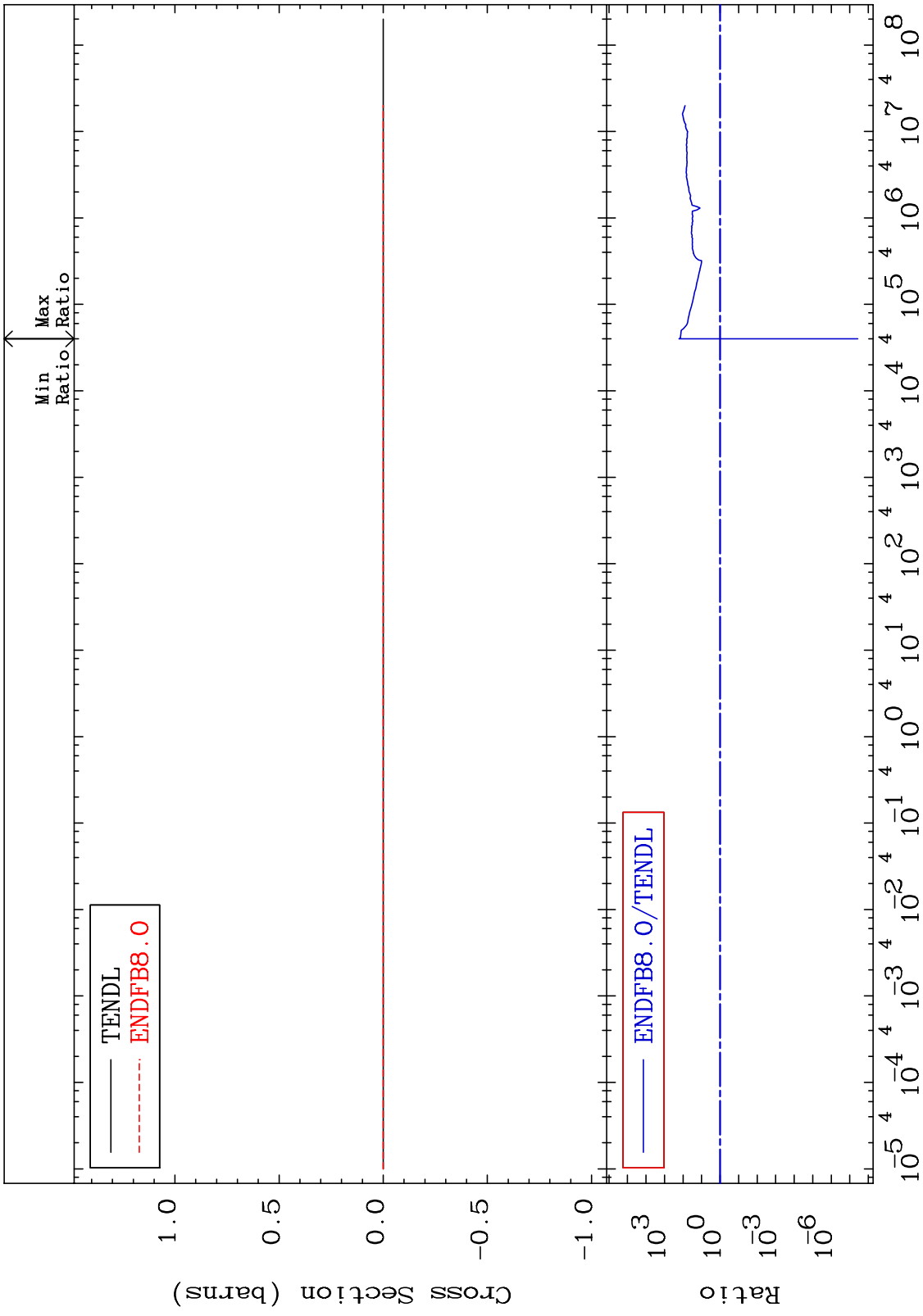




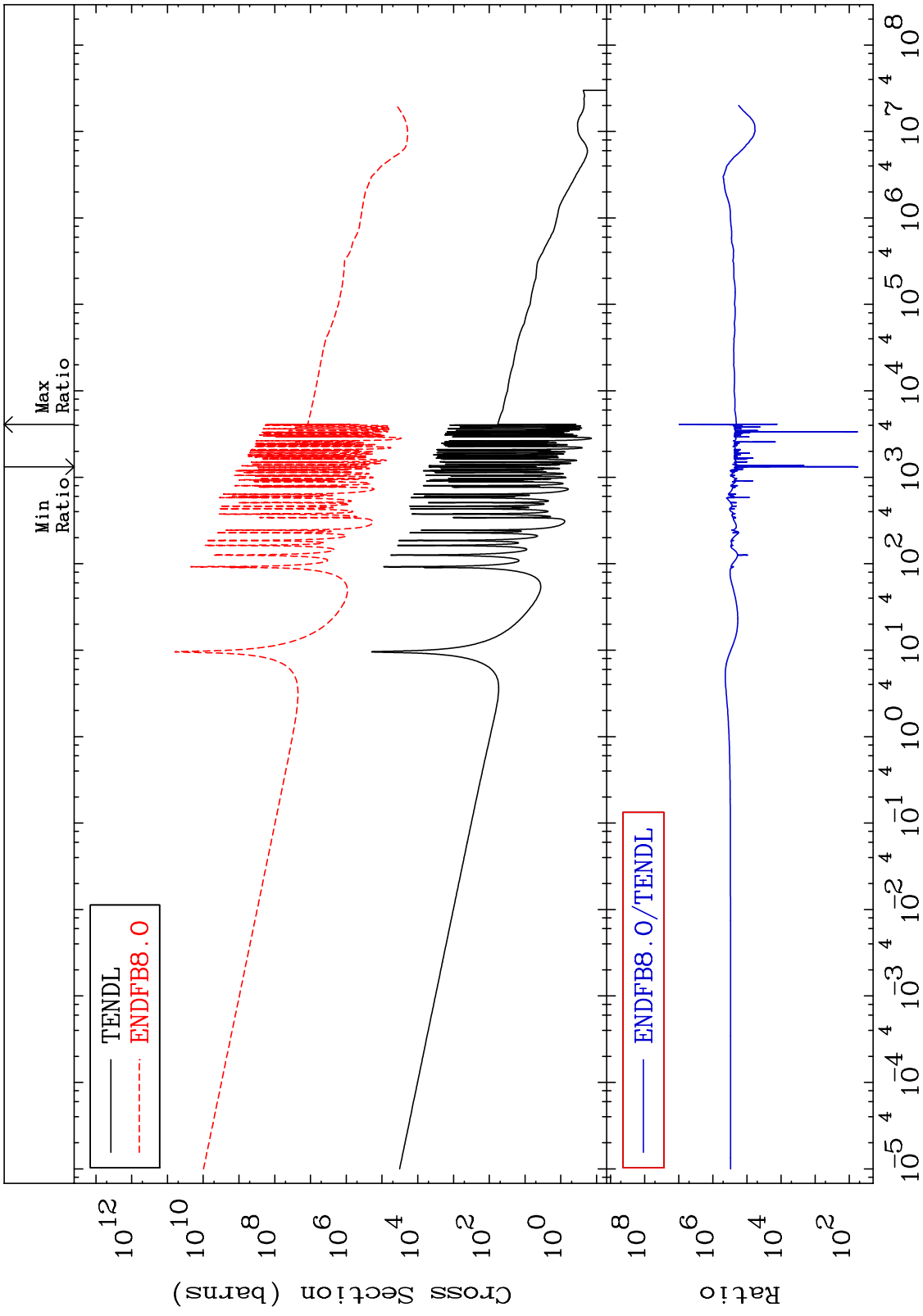
MAT 5440 Kerma inelastic (mt51-91) 54-Xe-129  
Cross Section -100.0 To 9999. %



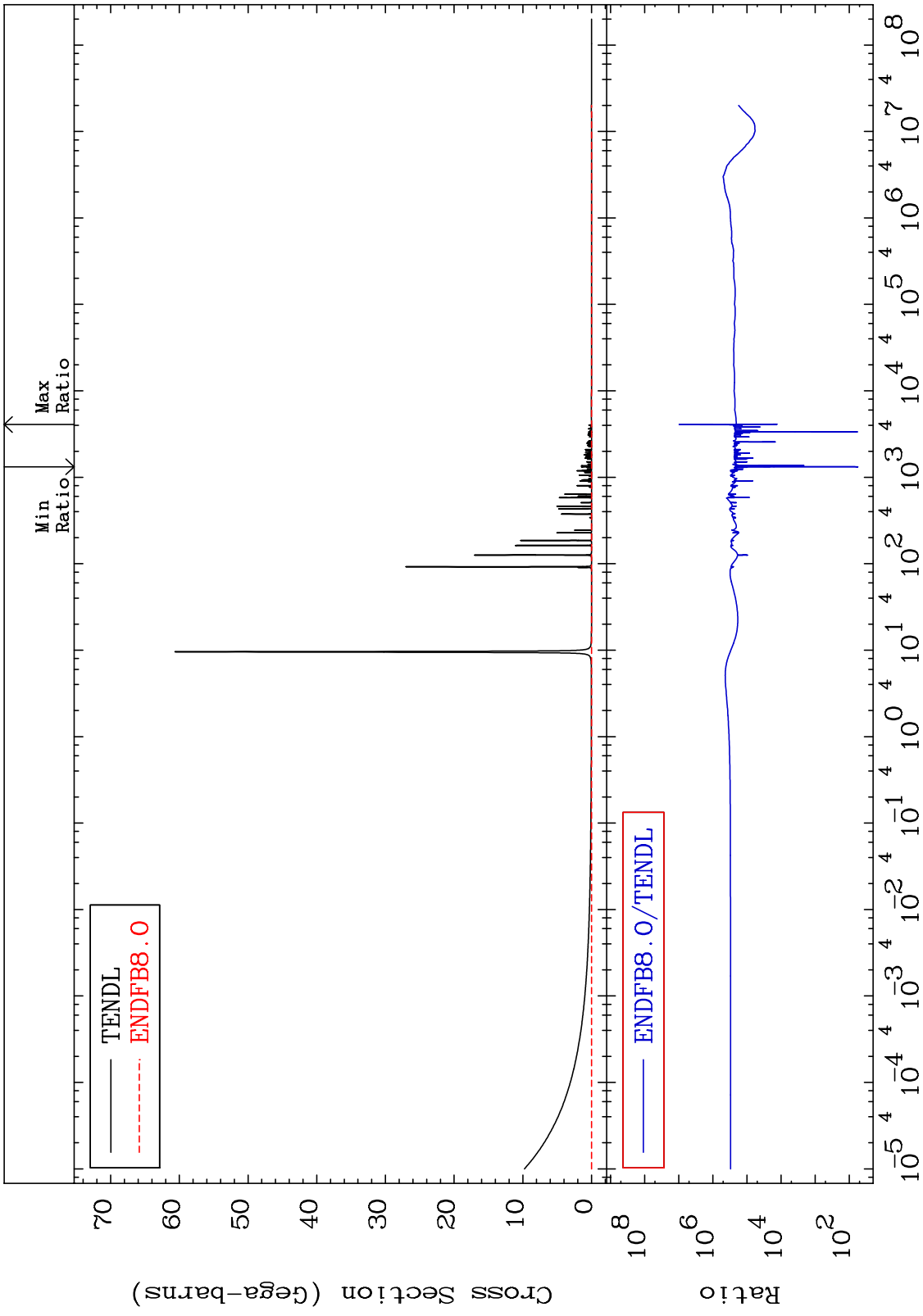
MAT 5440 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-129  
 Cross Section -100.0 To 9999. %



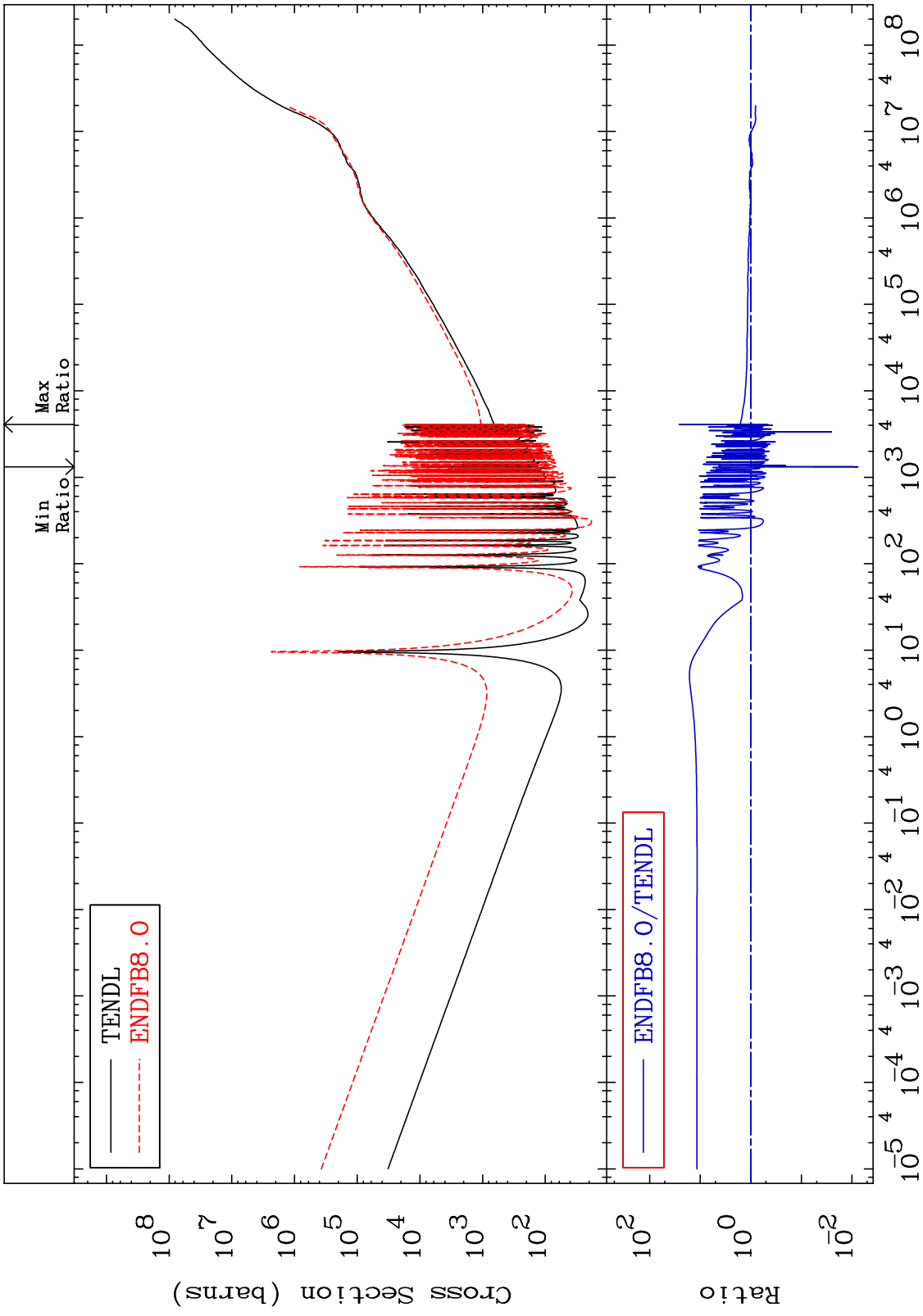
MAT 5440 Kerma capture (mt102) 54-Xe-129 5528. To 9999. %  
 Cross Section



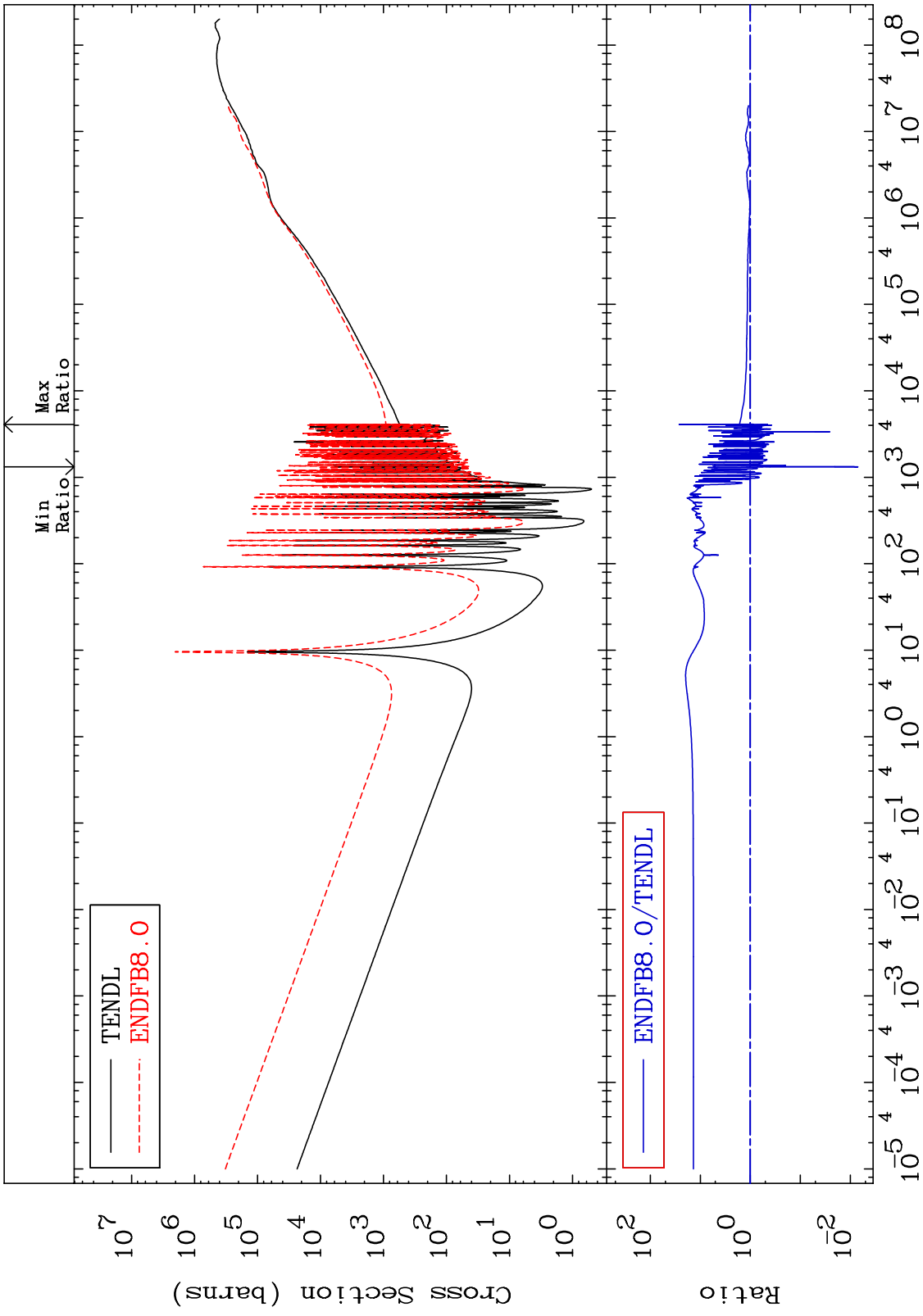
MAT 5440 Total photon (eV-barns) 54-Xe-129  
Cross Section 5528. To 9999. %



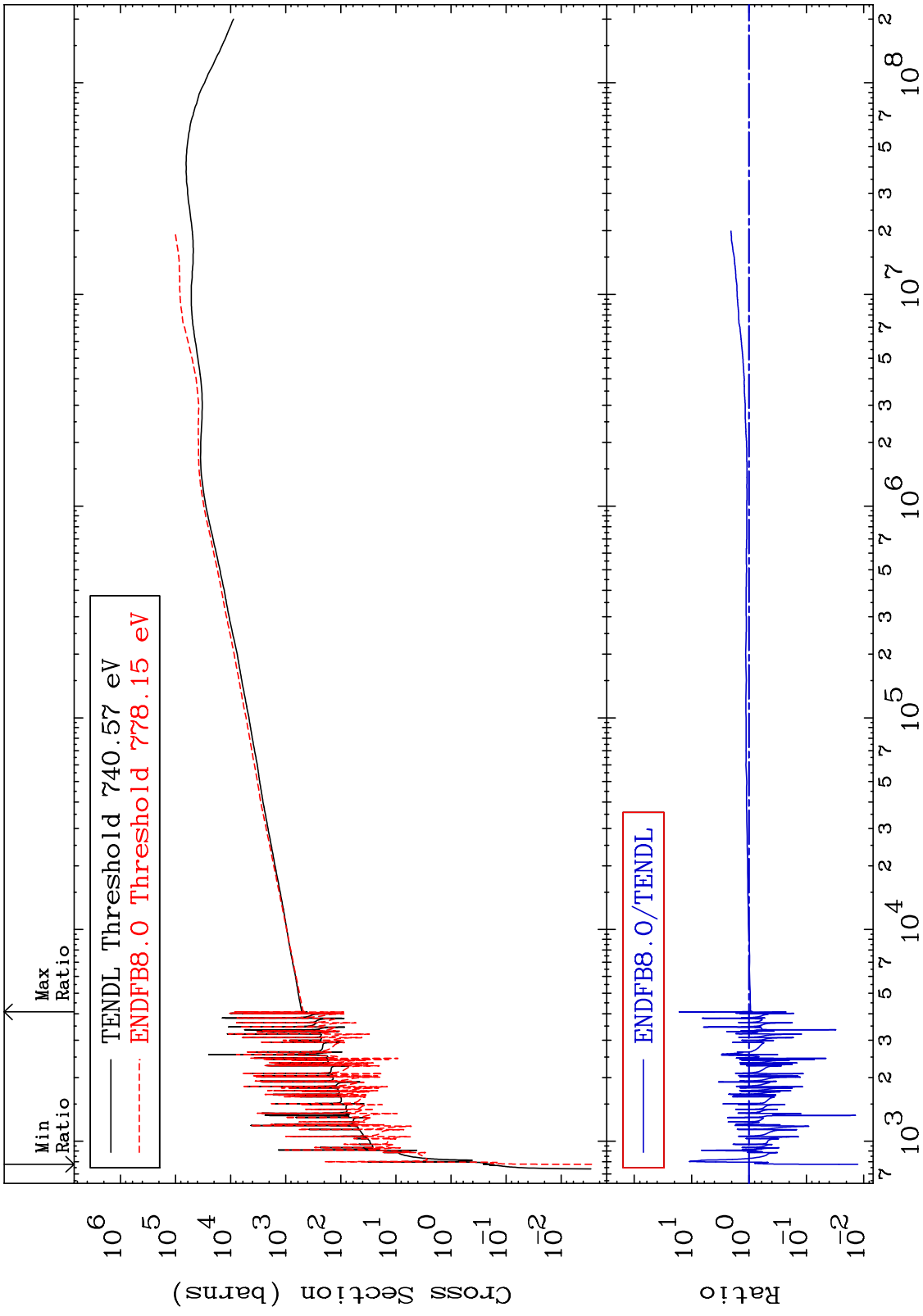
MAT 5440 Total kinematic kerma (high limit) 54-Xe-129  
 Cross Section -99.23 To 2516. %



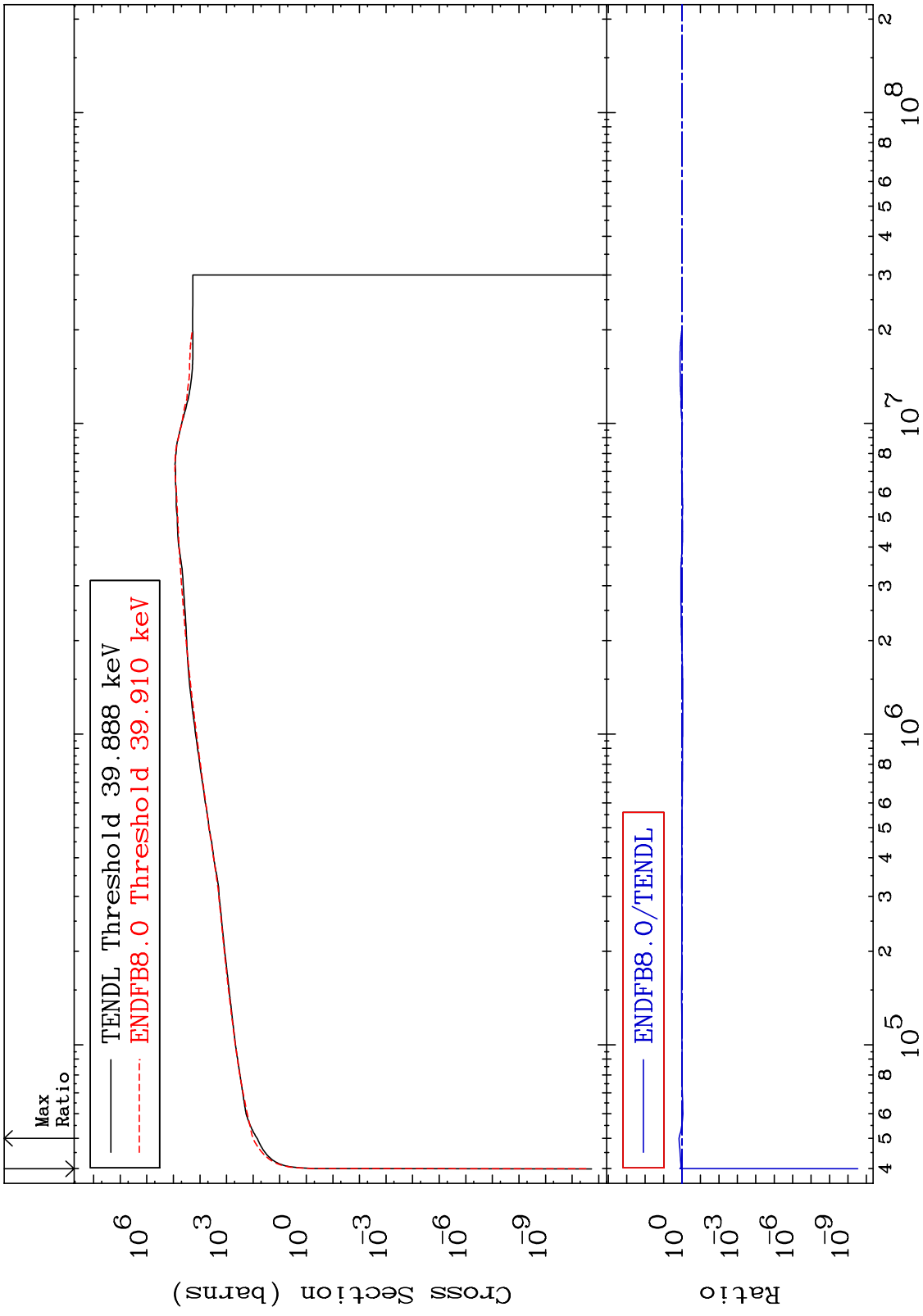
MAT 5440      Dpa total (eV-barns)      54-Xe-129  
 Cross Section      -99.29 To 2560. %



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. %

