

Program Complot  
(Version 2018-1)

by

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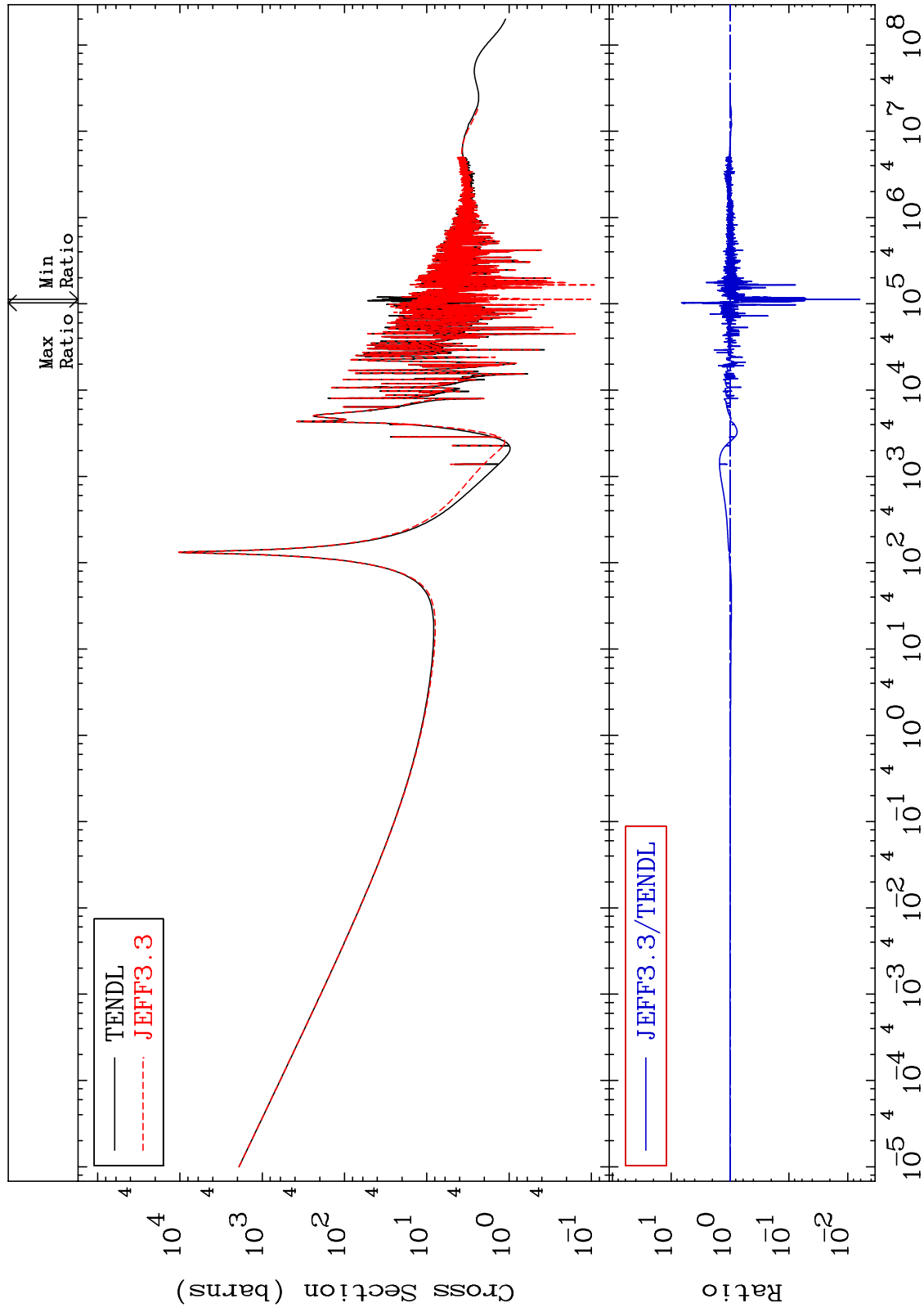
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2725

Total  
Cross Section

27-Co-59  
-99.38 To 569.9 %



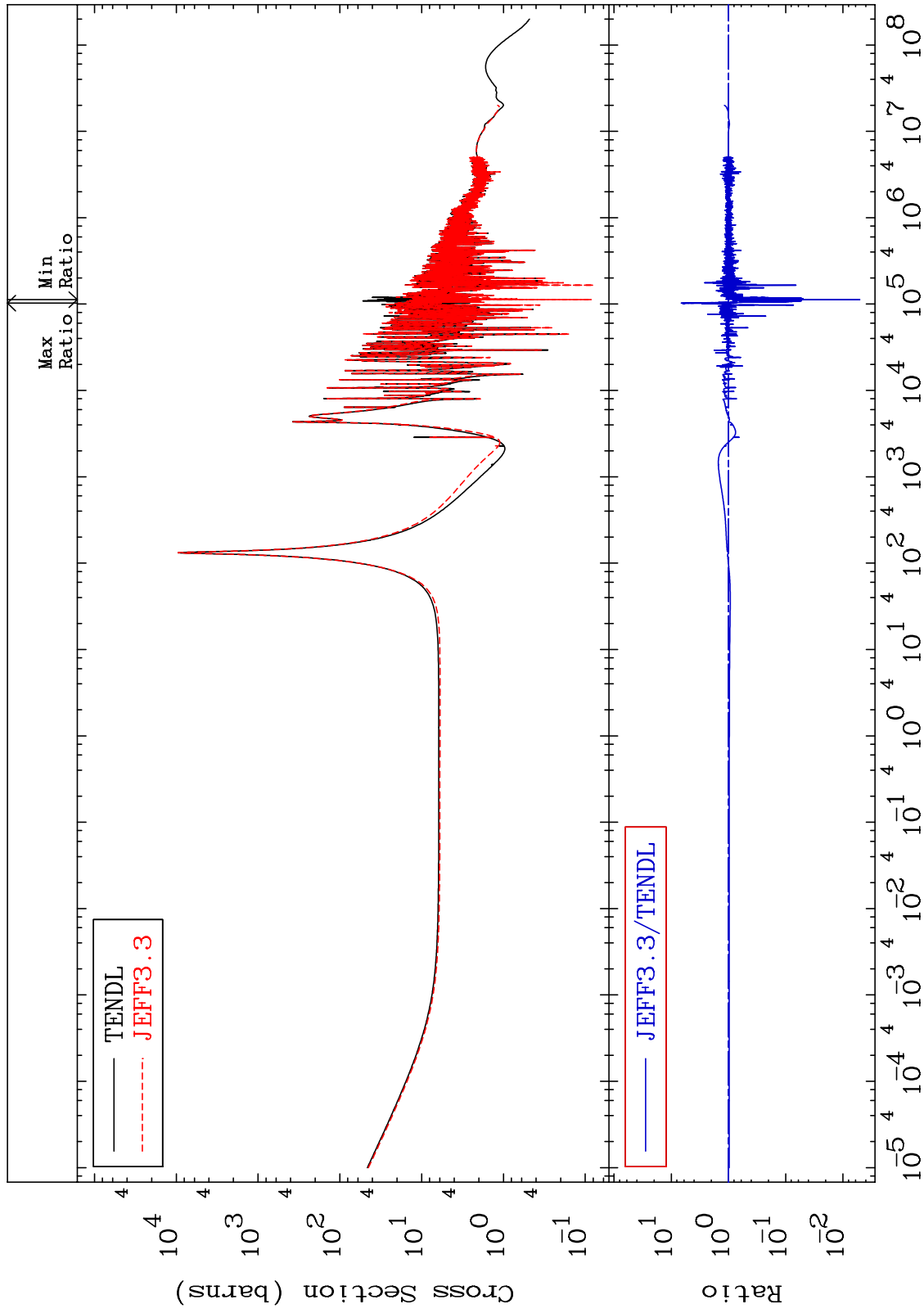
Incident Energy (eV)

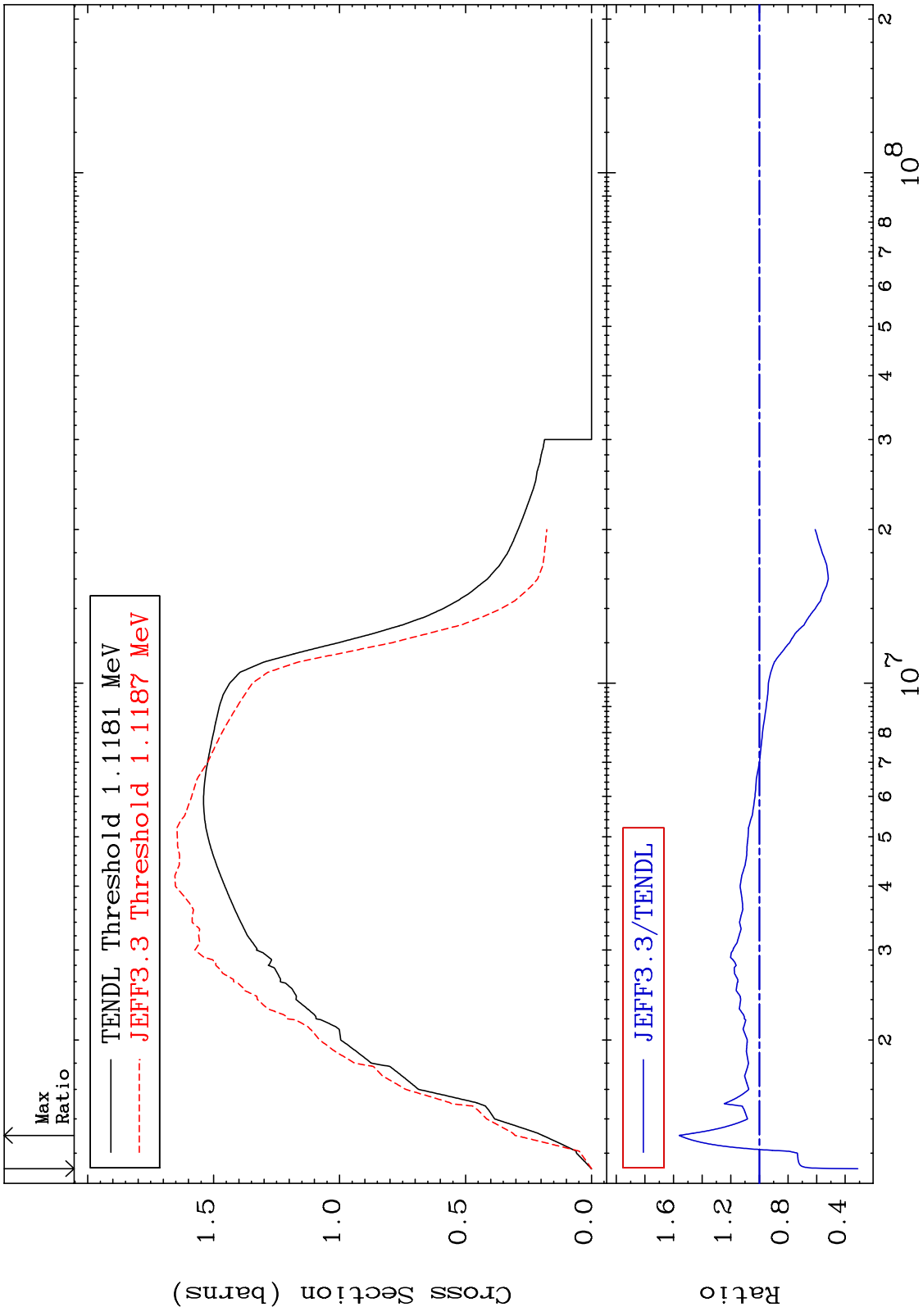
27-Co-59

MAT 2725

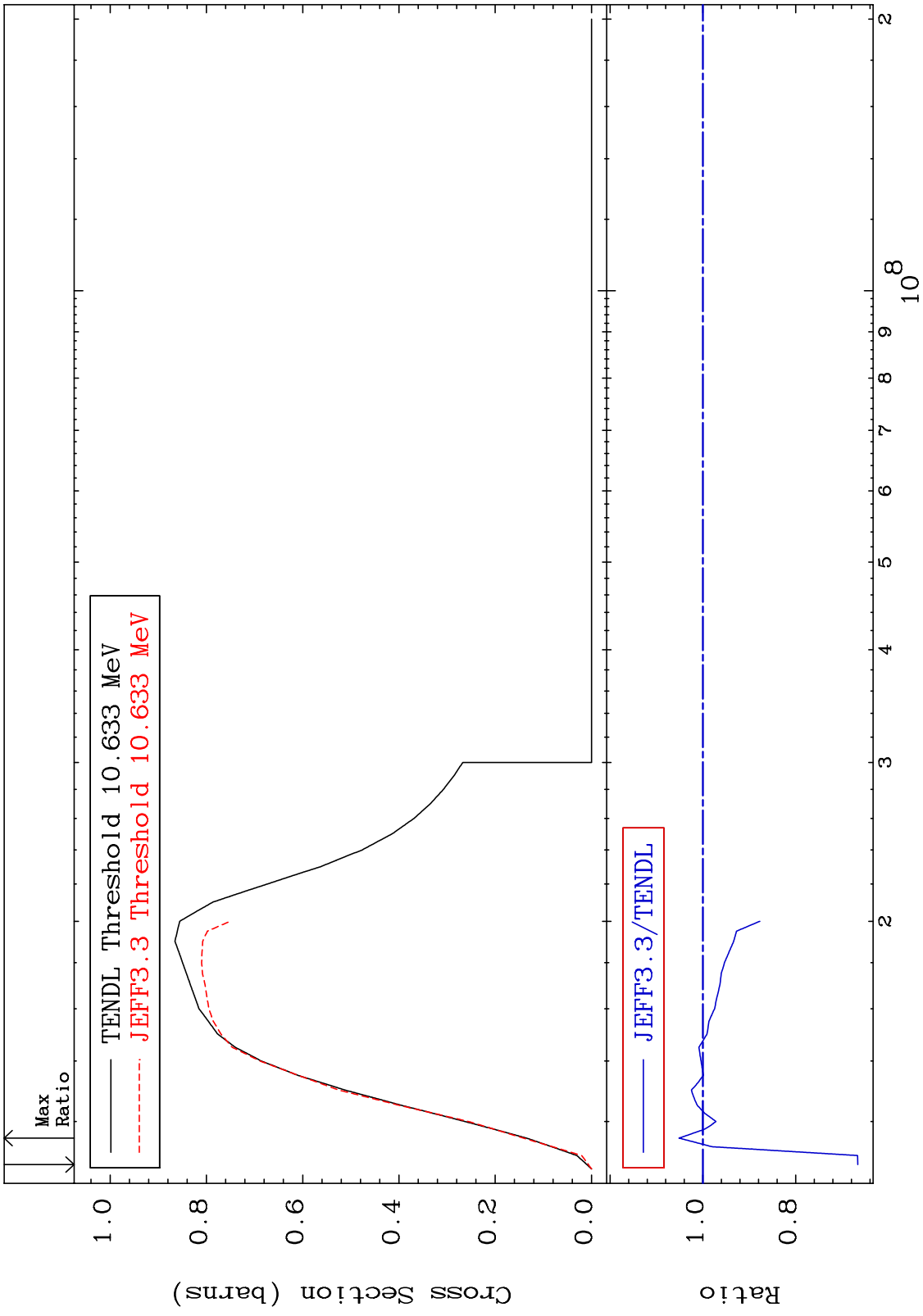
Elastic  
Cross Section

27-Co-59  
-99.49 To 569.6 %

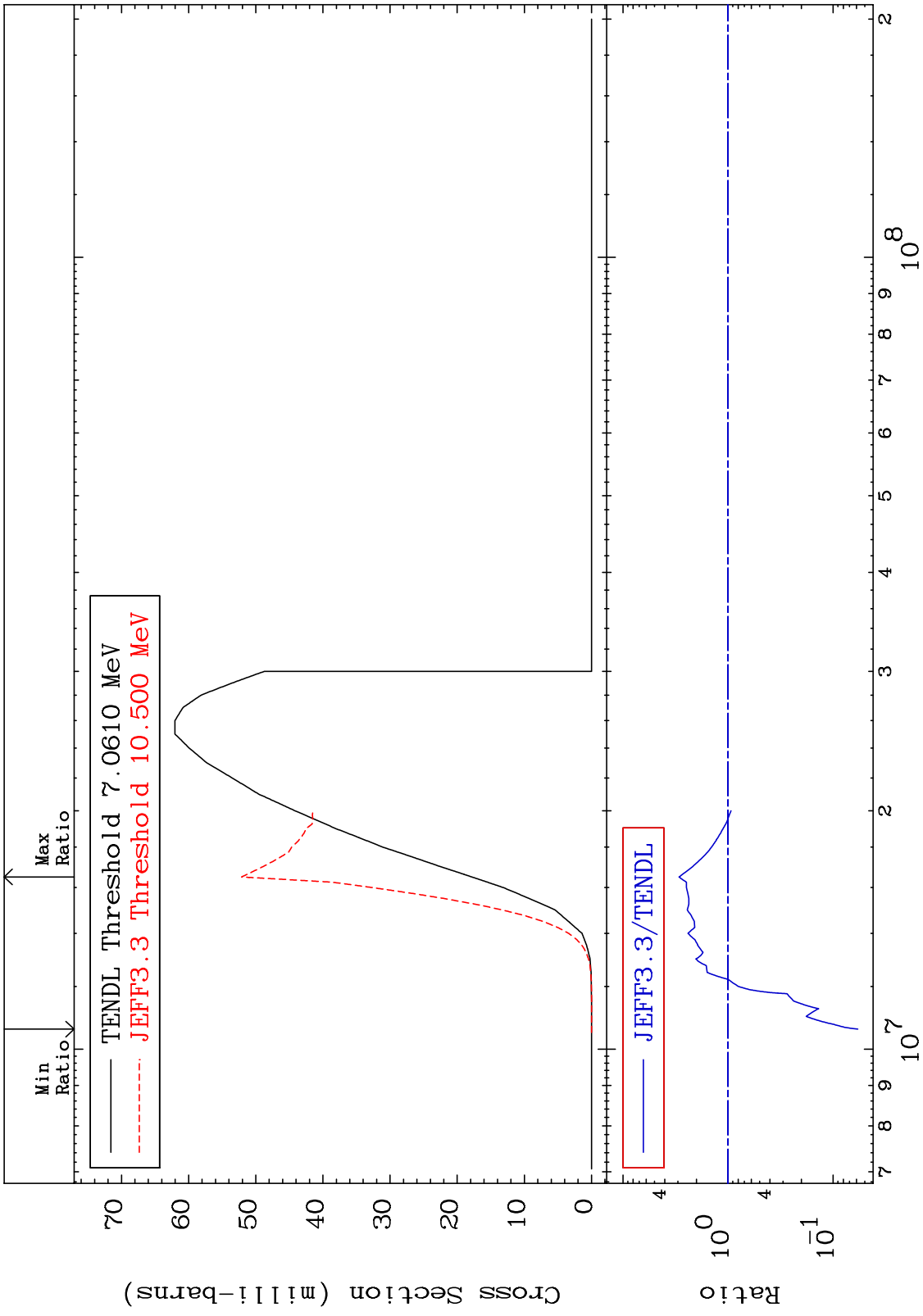




MAT 2725 (n,2n) Cross Section 27-Co-59 -33.39 To 5.134 %

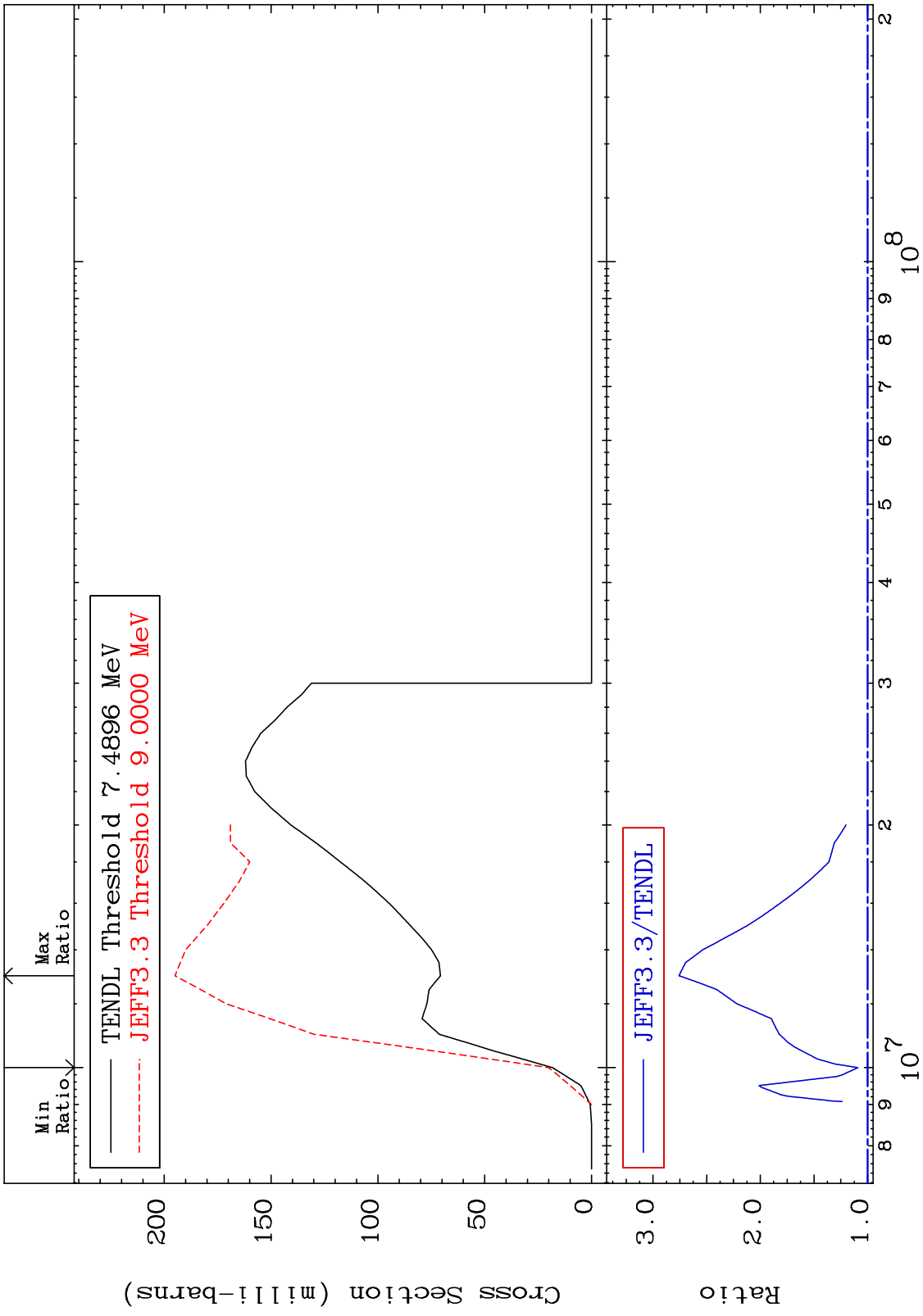


MAT 2725  $(n, n') \alpha$  Cross Section 27-Co-59 -94.18 To 192.6 %

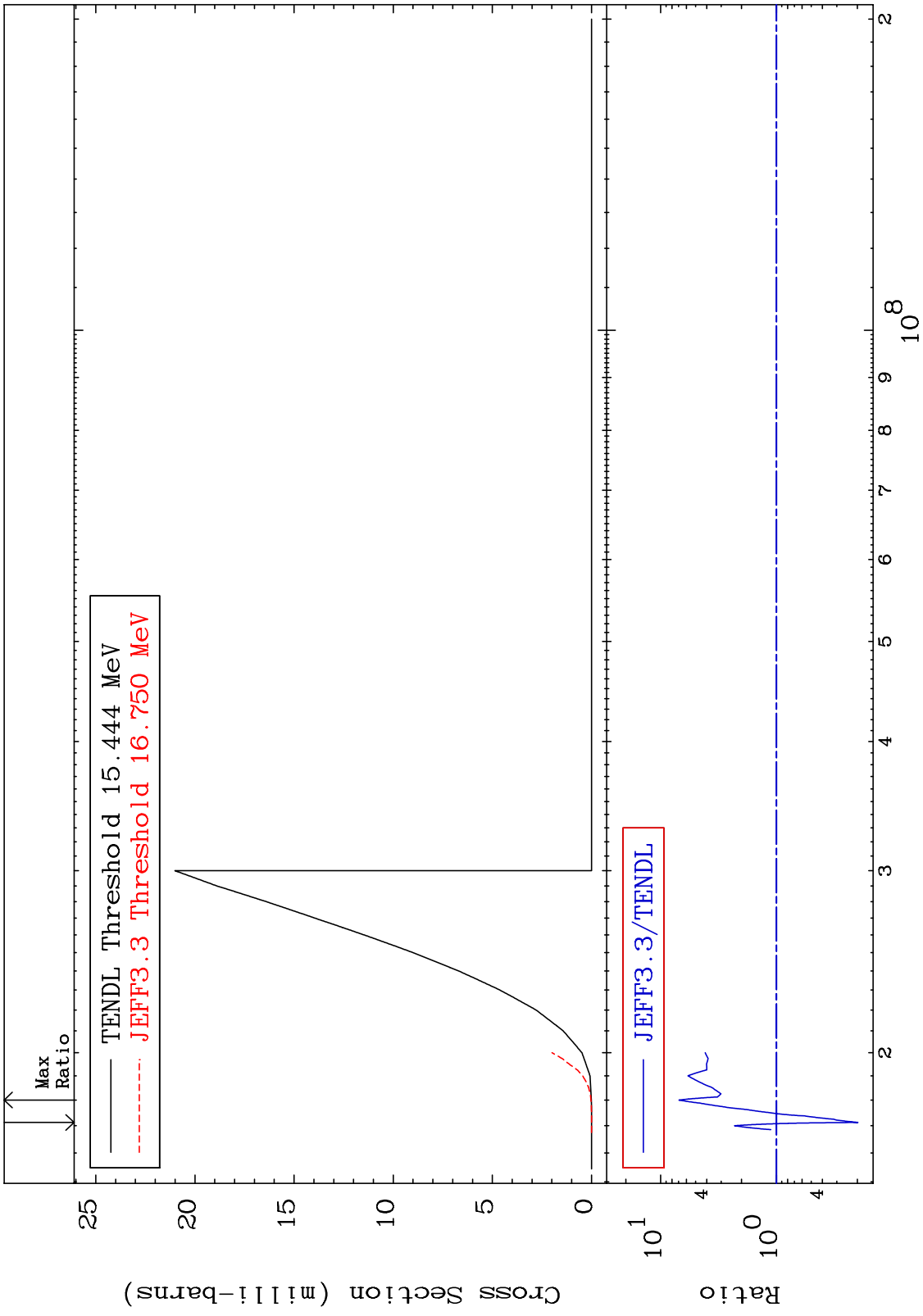


5 27-Co-59

MAT 2725 (n,n') p 27-Co-59  
Cross Section 9.113 To 175.8 %

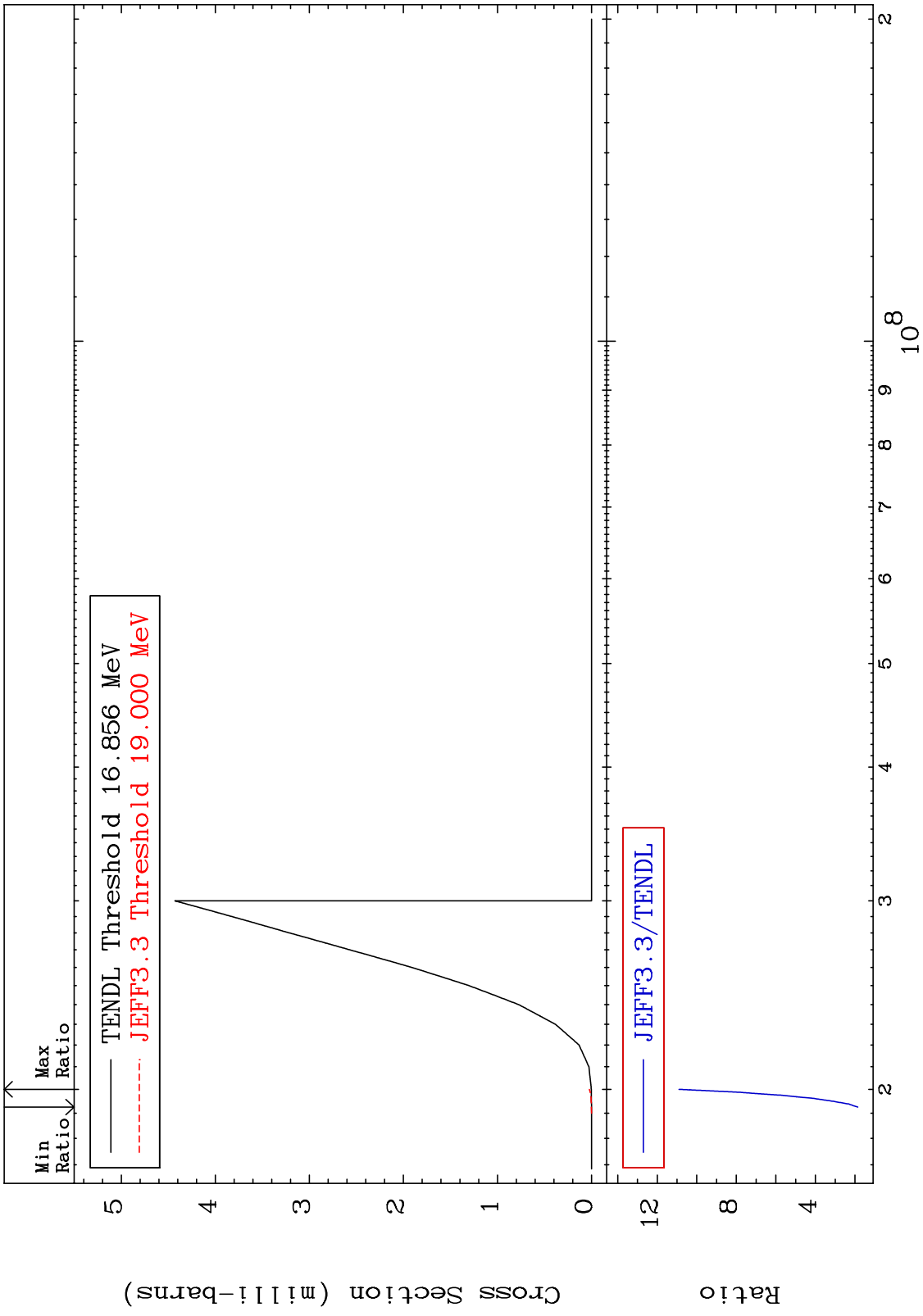


6 27-Co-59

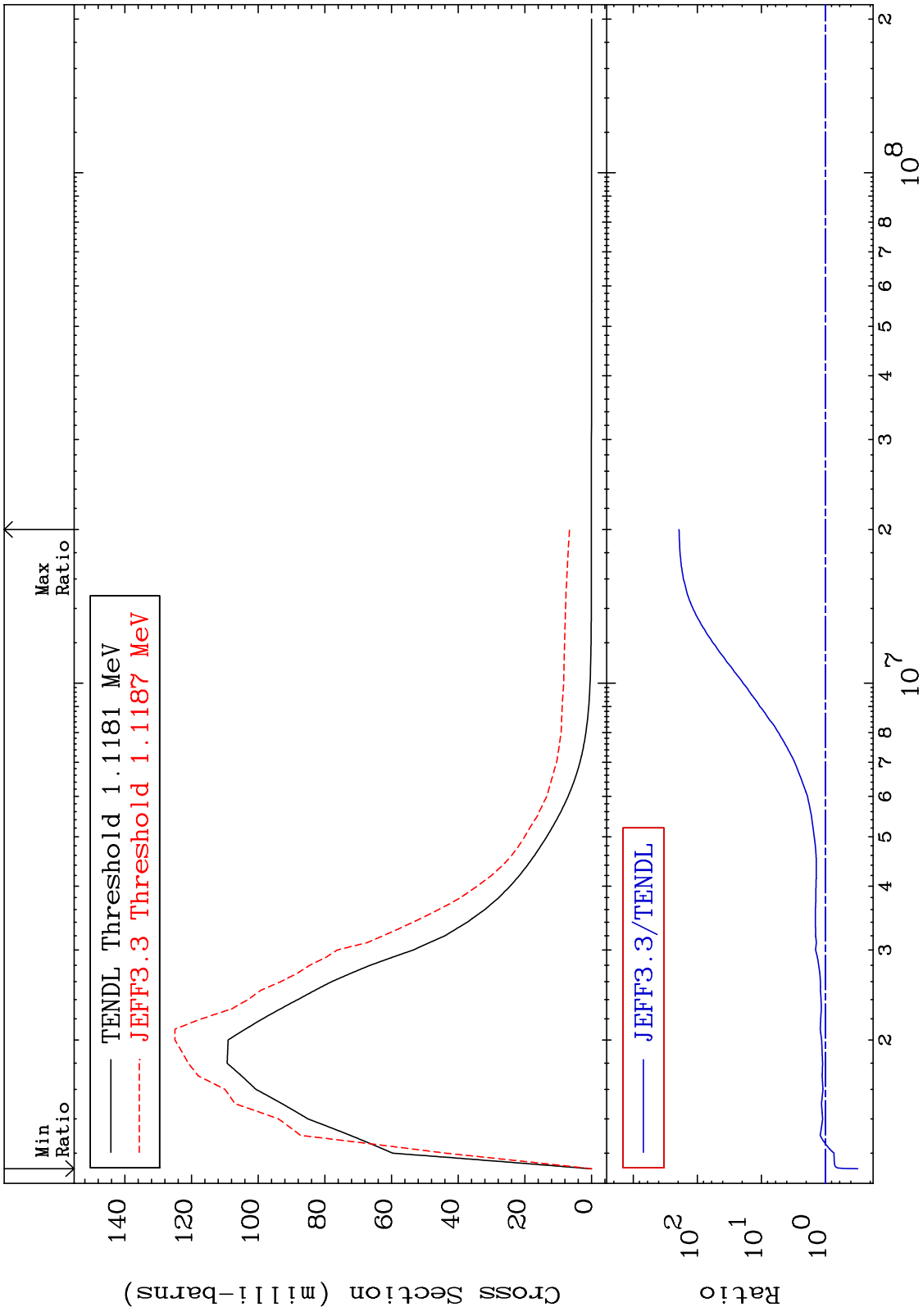




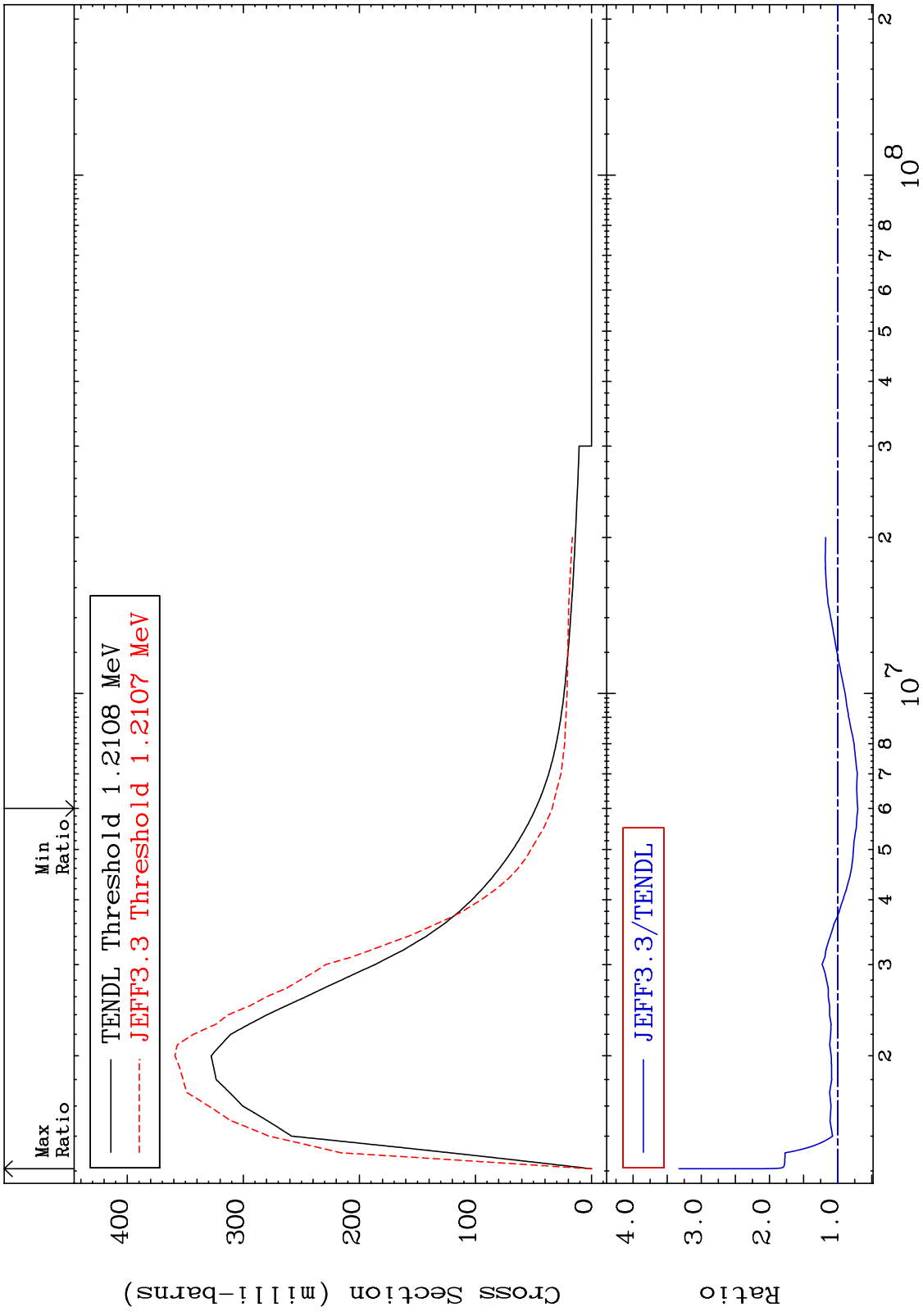
MAT 2725 (n,n') t 27-Co-59  
 Cross Section 85.32 To 989.8 %



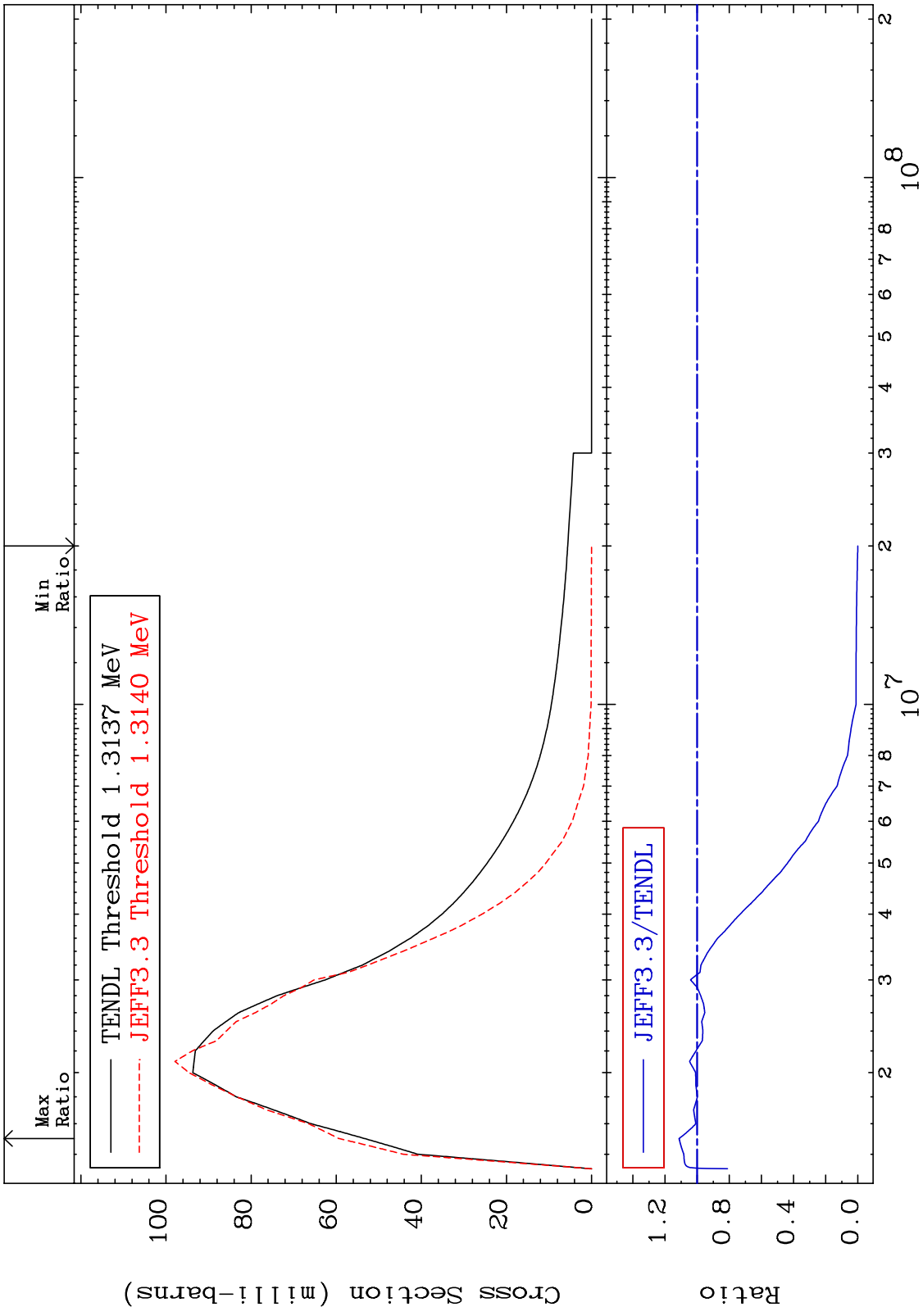
MAT 2725 MT= 51 (n,n') Level Cross Section -68.83 To 9999. % 27-Co-59



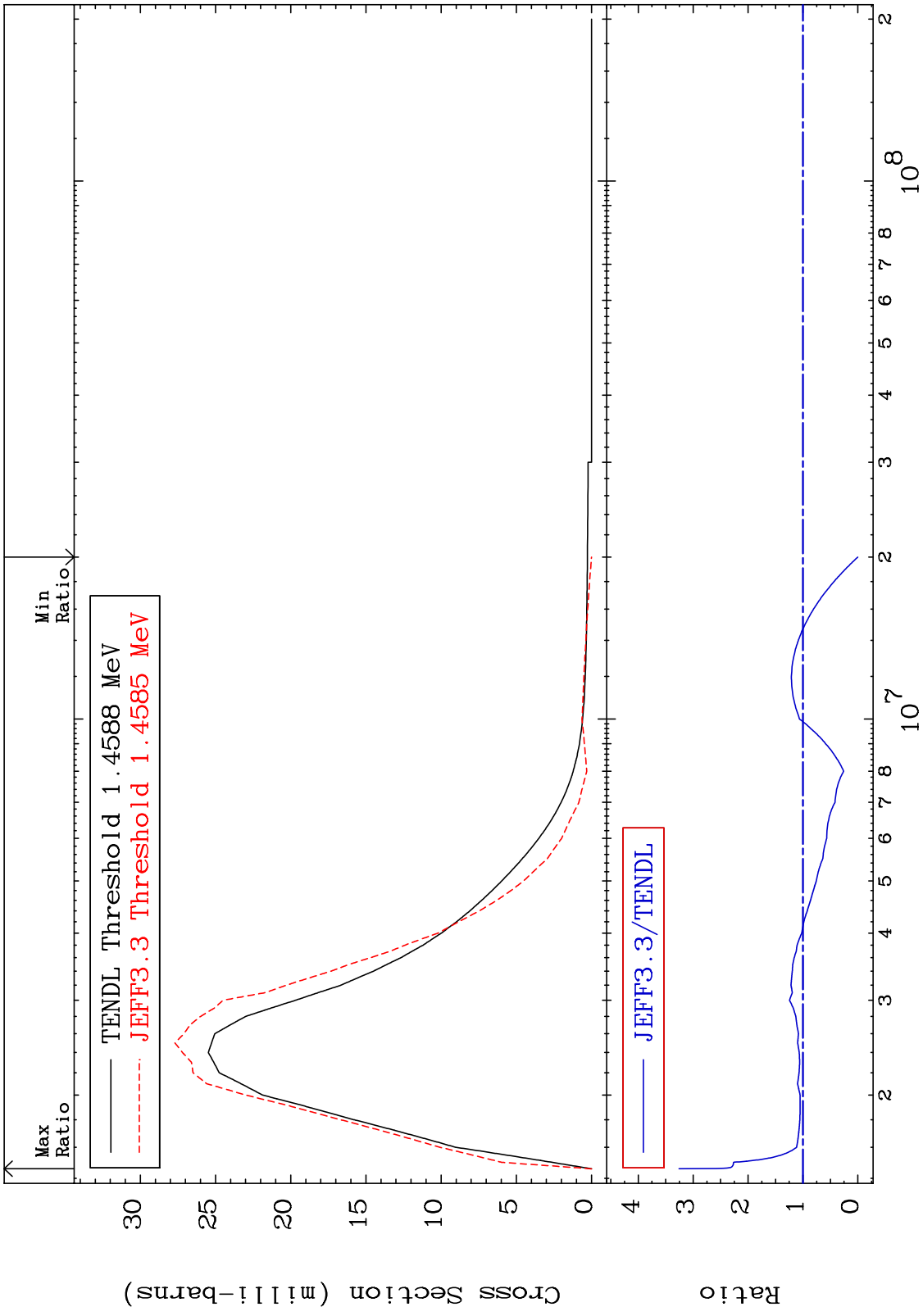
MAT 2725      MT= 52 (n,n') Level Cross Section      27-Co-59  
 -29.53 To 232.5 %



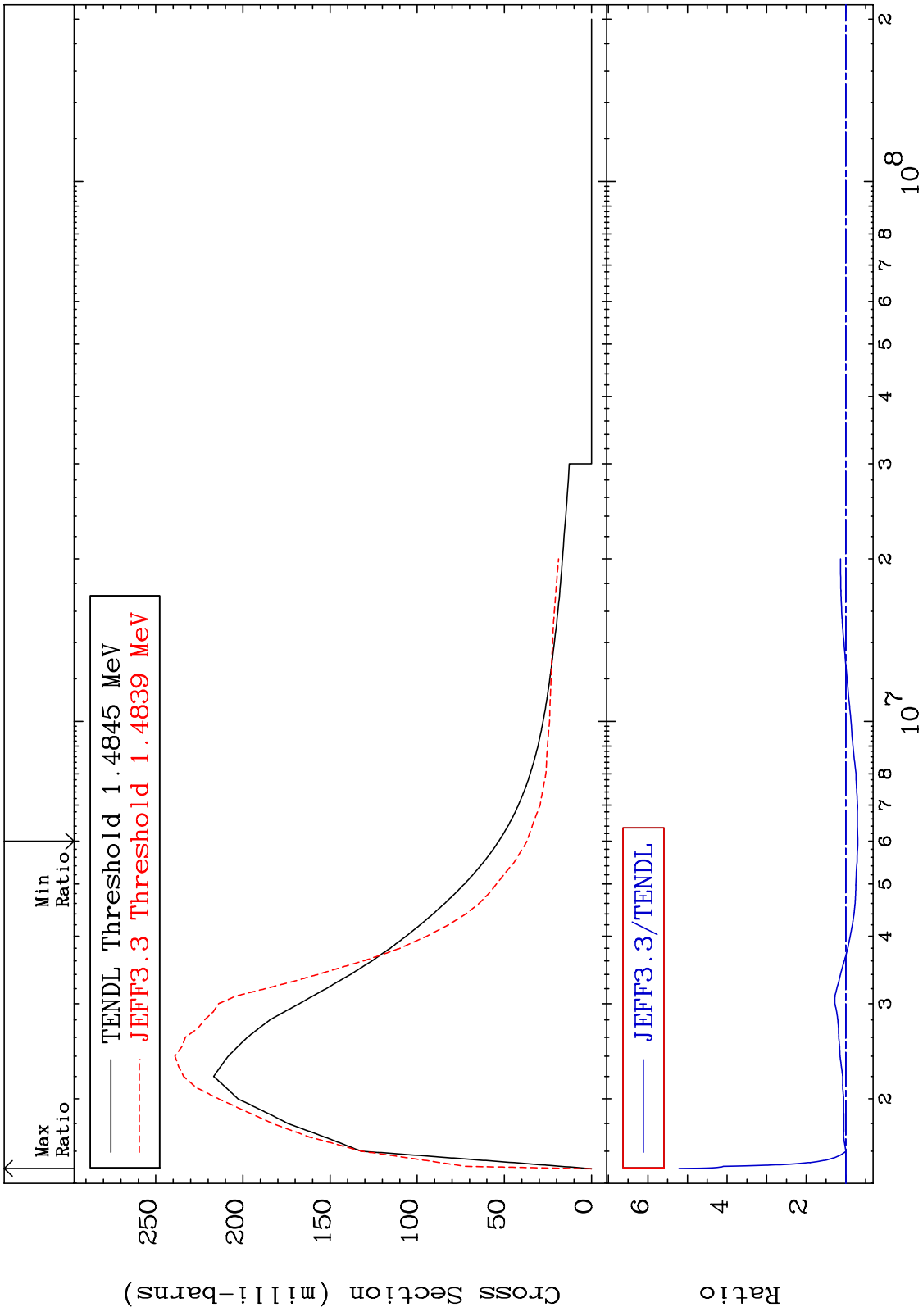
MAT 2725 MT= 53 (n, n') Level Cross Section -100.0 To 11.31 % 27-Co-59



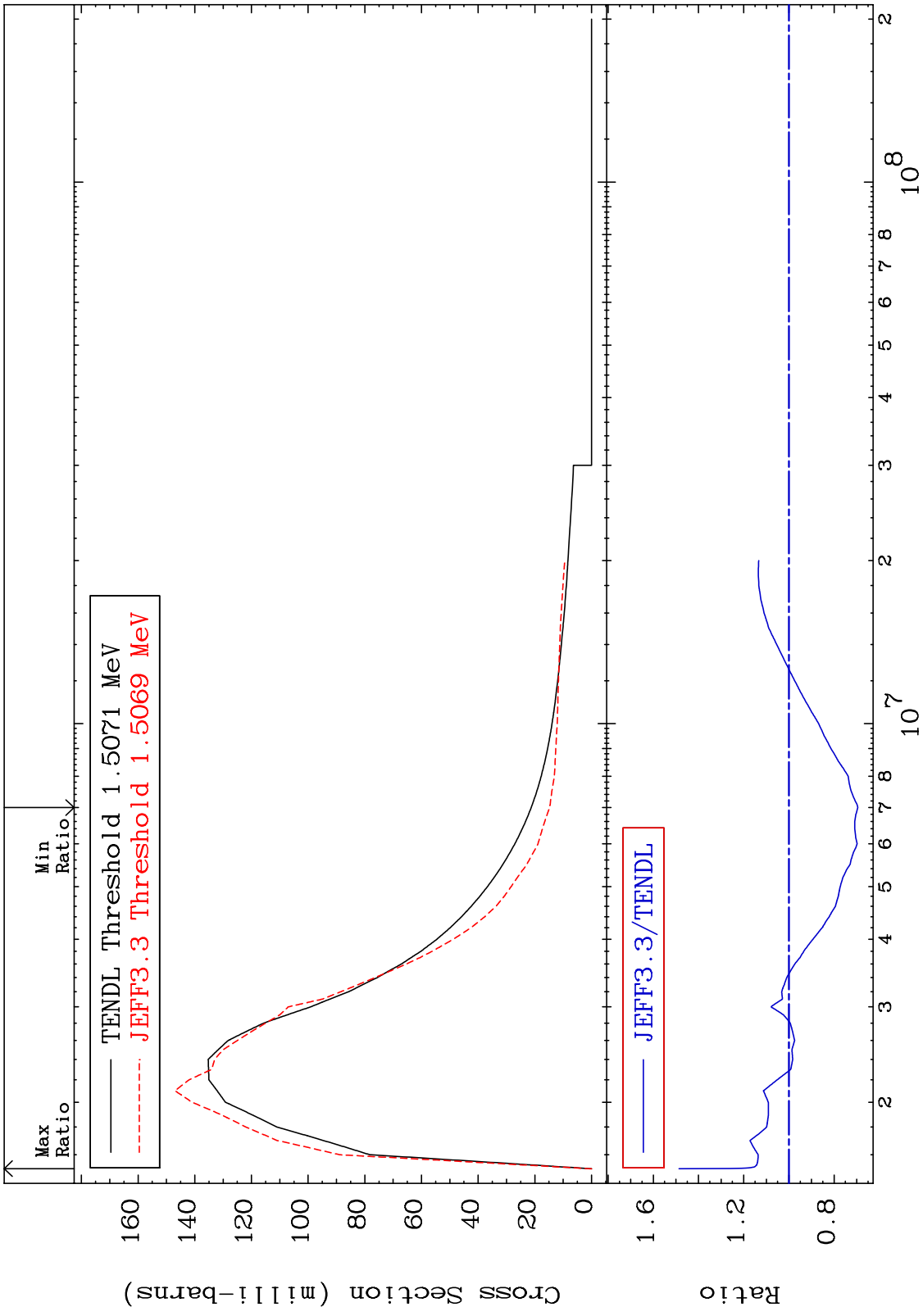
MAT 2725 MT= 54 (n,n') Level Cross Section -100.0 To 225.7 % 27-Co-59



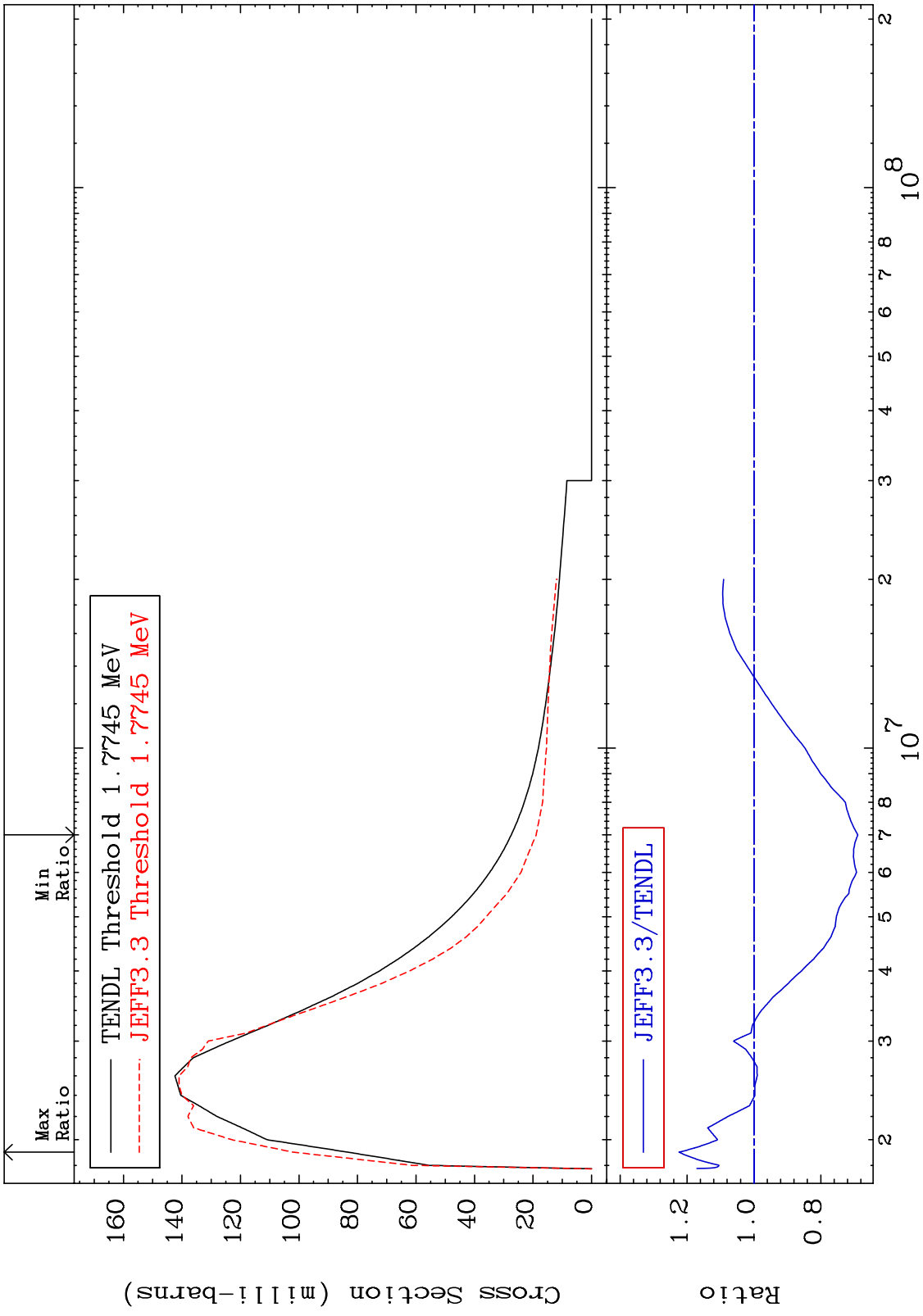
MAT 2725 MT= 55 (n,n') Level Cross Section -30.28 To 421.3 % 27-Co-59



MAT 2725 MT= 56 (n,n') Level Cross Section -30.50 To 48.61 % 27-Co-59

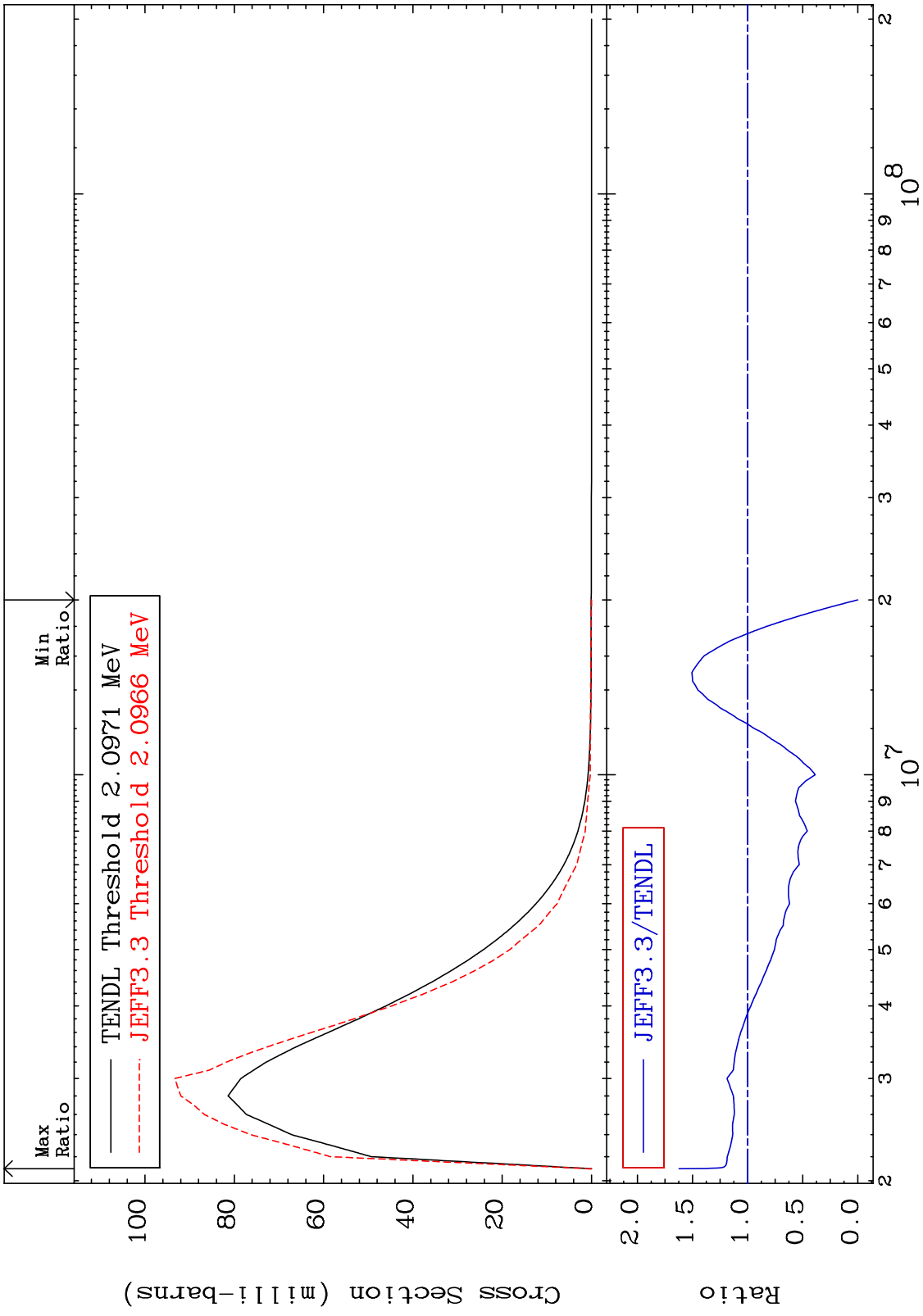


MAT 2725 MT= 57 (n,n') Level Cross Section -31.10 To 22.39 % 27-Co-59

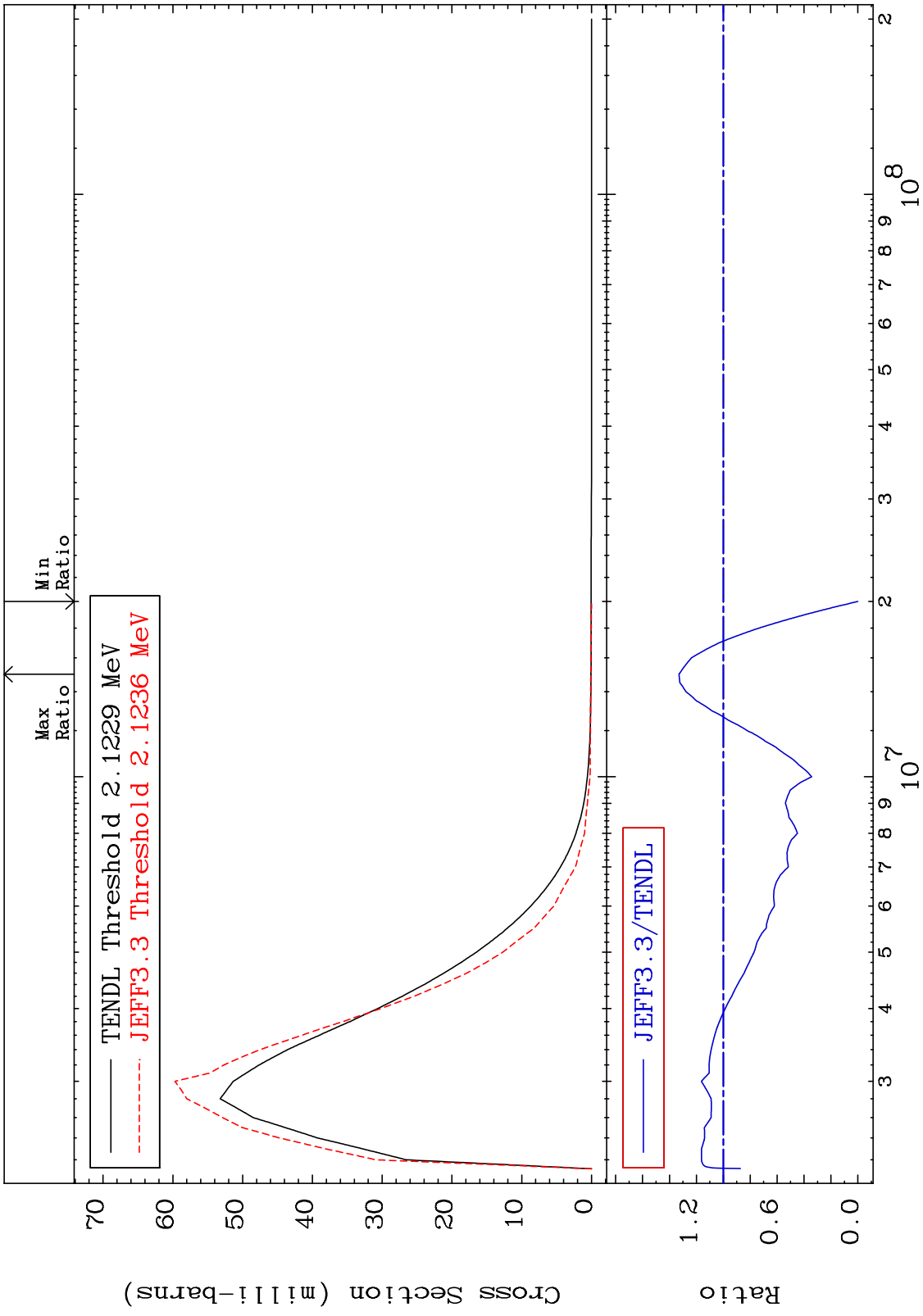




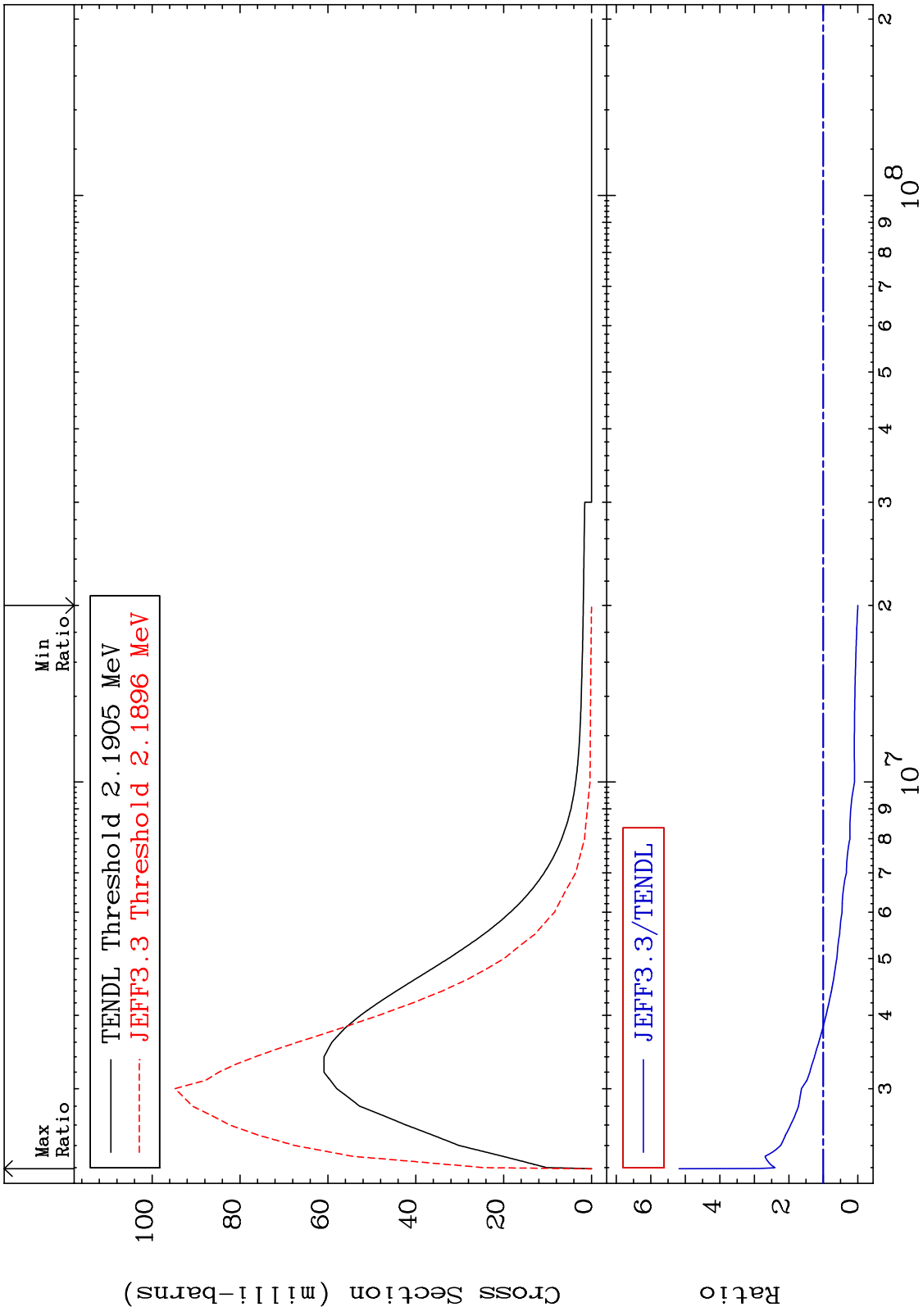
MAT 2725 MT= 58 (n,n') Level Cross Section -100.0 To 62.31 % 27-Co-59



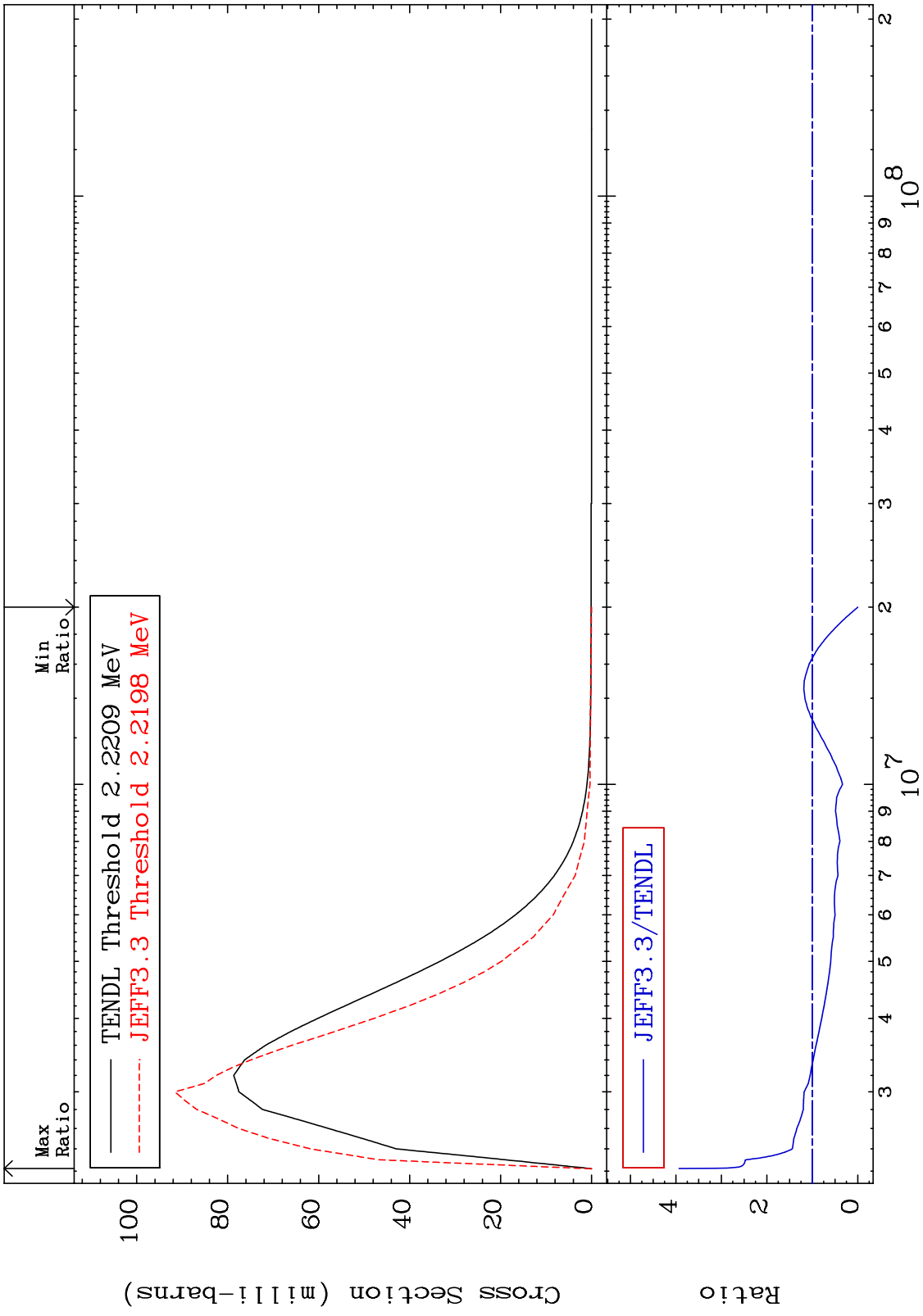
MAT 2725 MT= 59 (n,n') Level Cross Section -100.0 To 32.89 % 27-Co-59



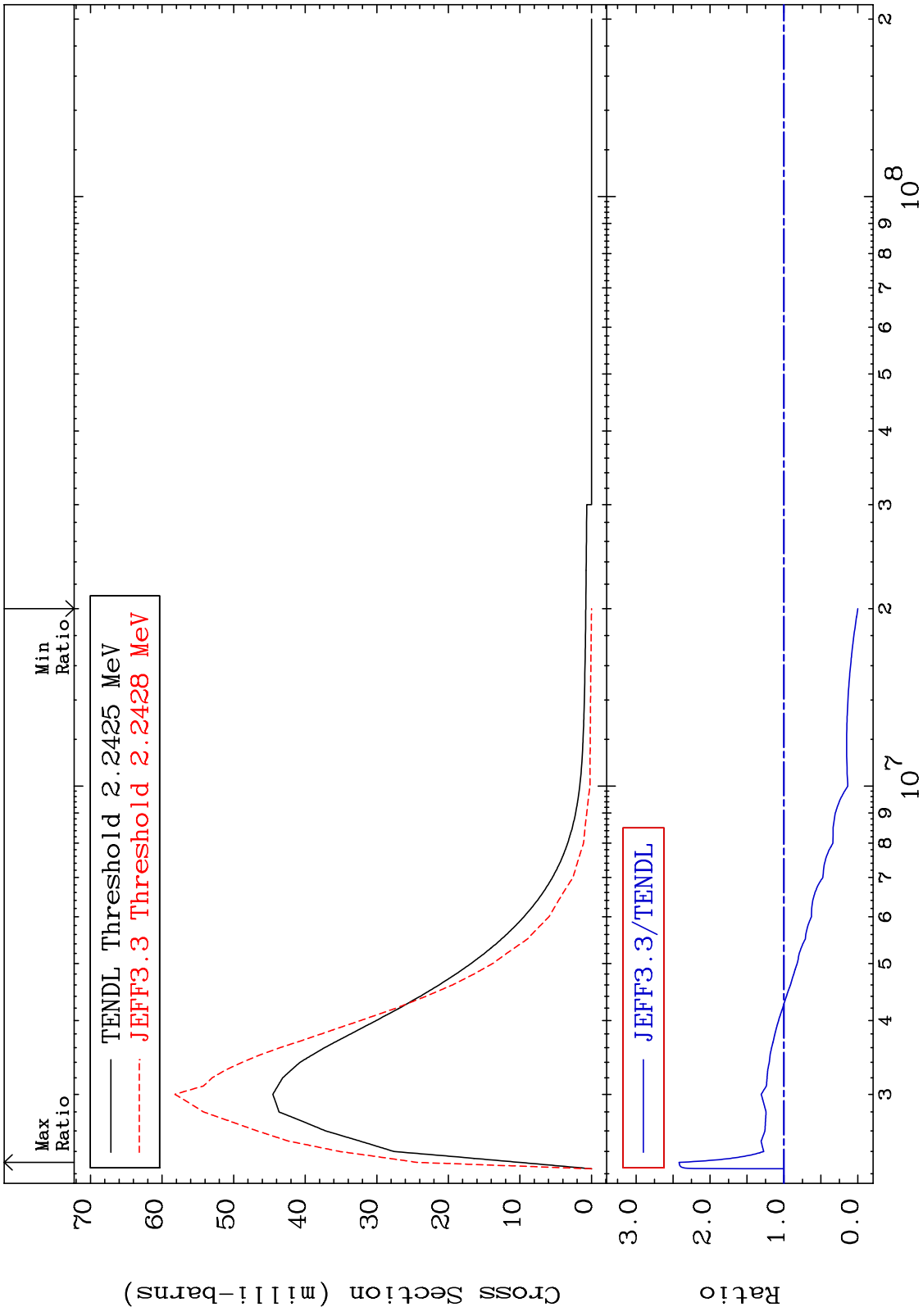
MAT 2725 MT= 60 (n,n') Level Cross Section -100.0 To 418.3 % 27-Co-59



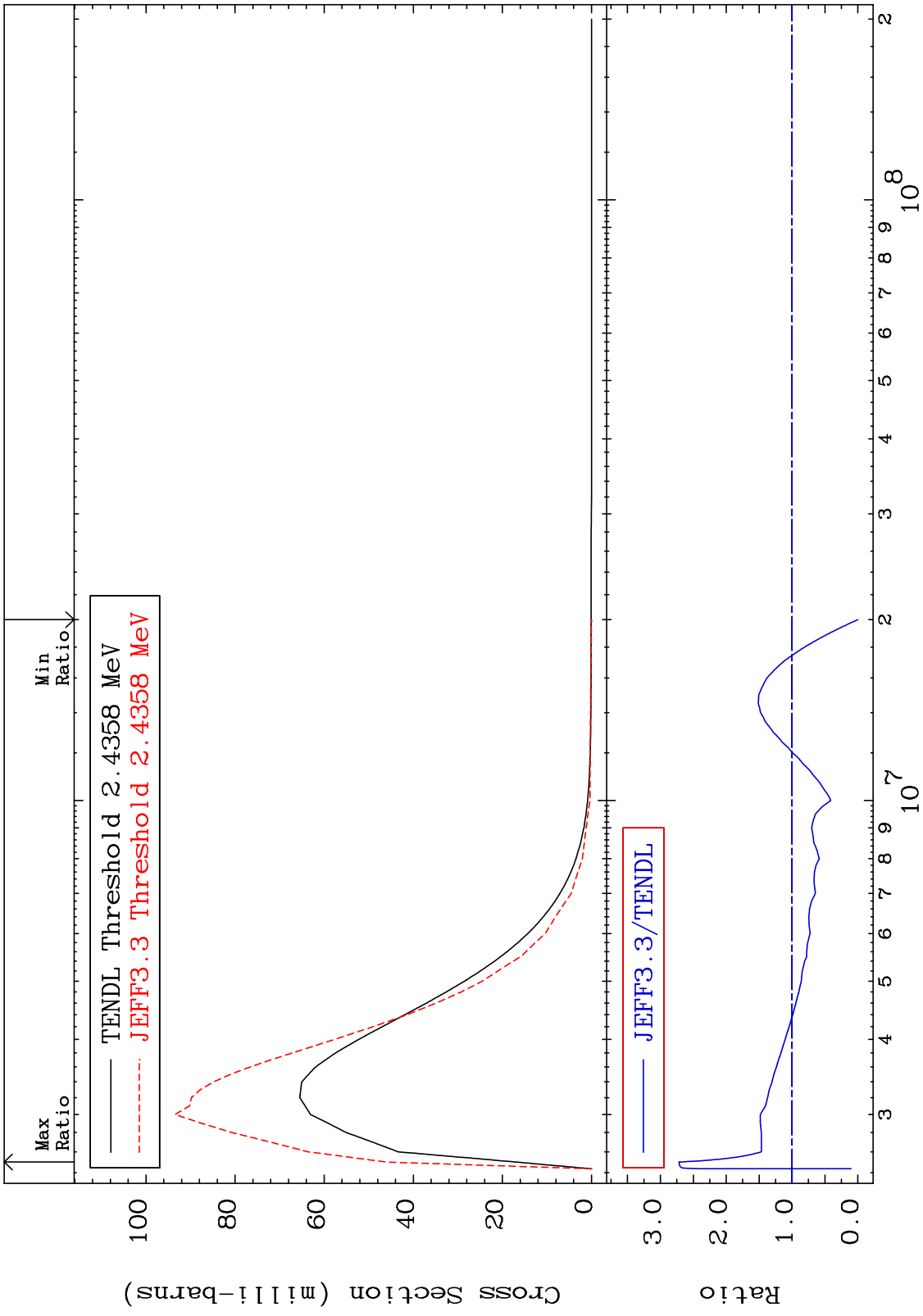
MAT 2725 MT= 61 (n,n') Level Cross Section -100.0 To 293.1 % 27-Co-59



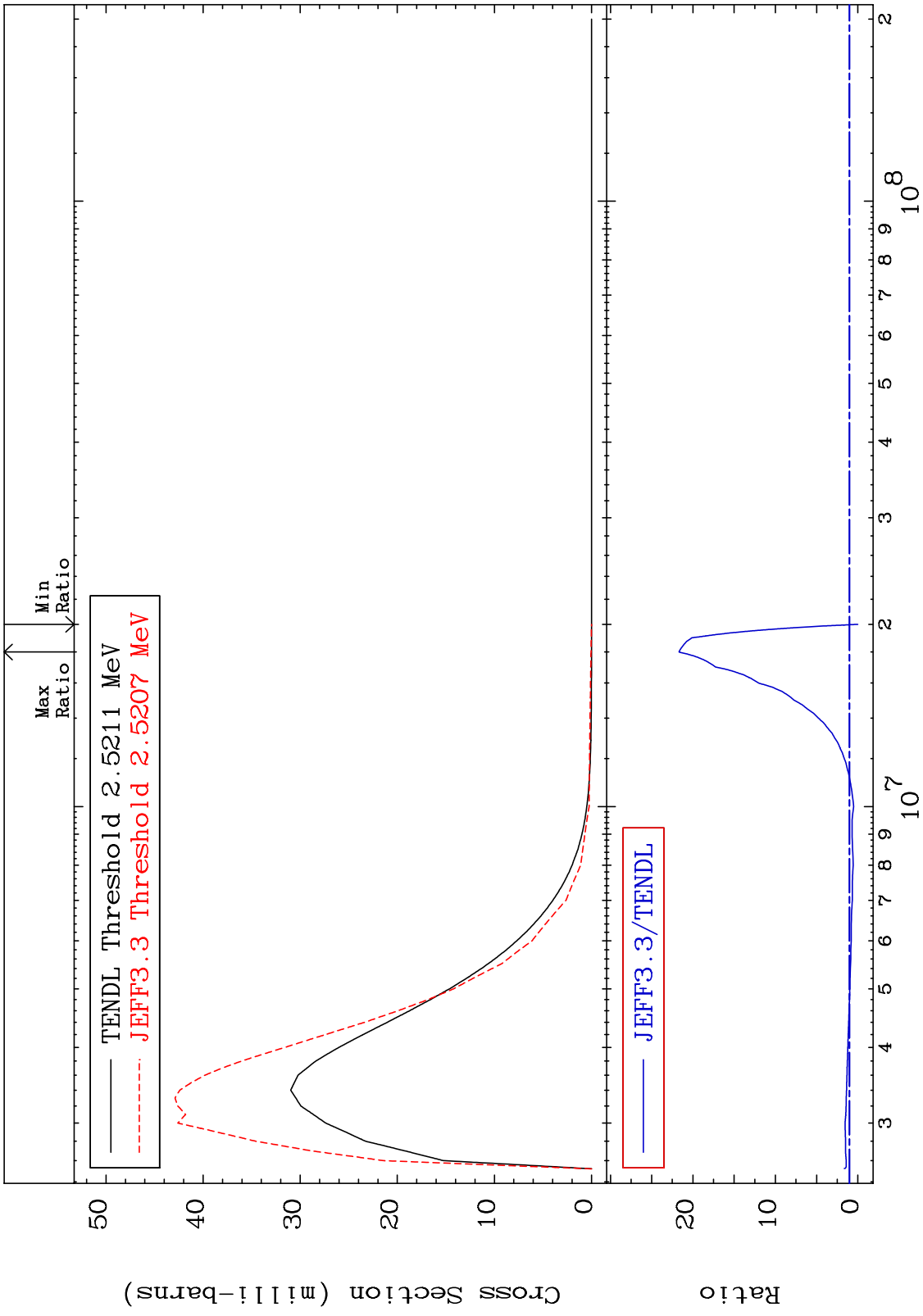
MAT 2725 MT= 62 (n,n') Level Cross Section -100.0 To 141.9 % 27-Co-59



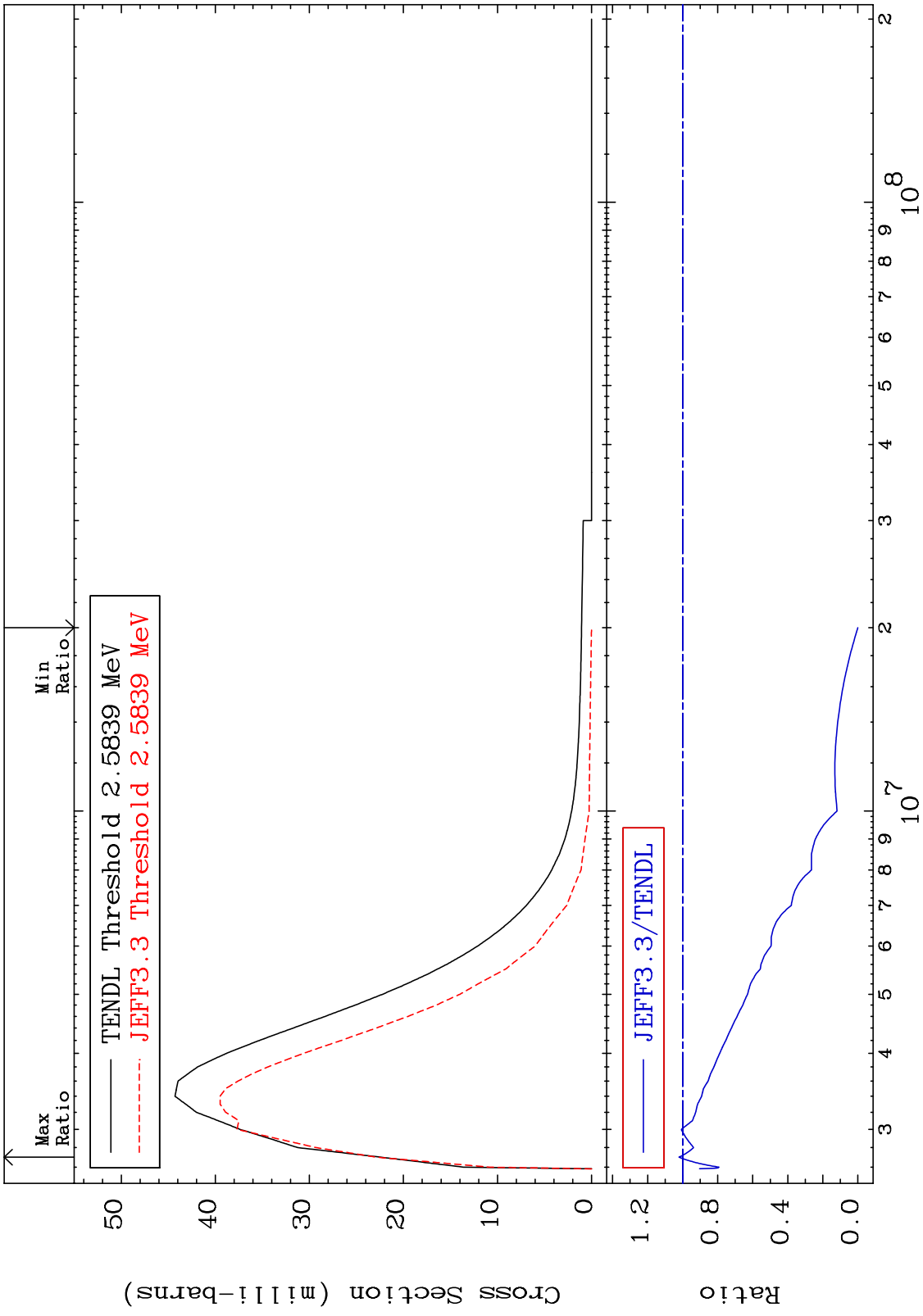
MAT 2725 MT= 63 (n,n') Level Cross Section -100.0 To 171.7 % 27-Co-59



MAT 2725 MT= 64 (n,n') Level Cross Section -100.0 To 2068. % 27-Co-59

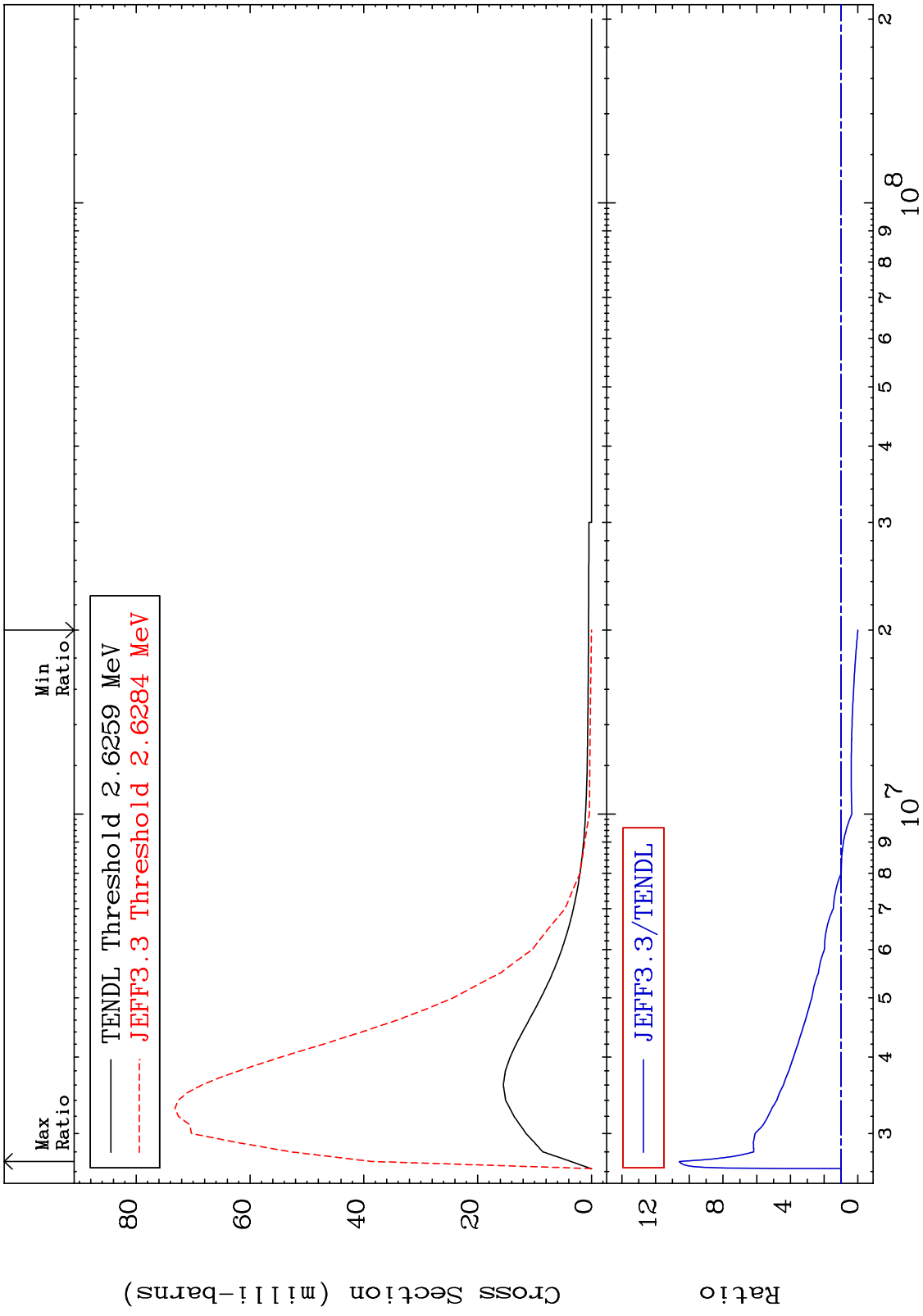


MAT 2725 MT= 65 (n,n') Level Cross Section -100.0 To 2.060 % 27-Co-59



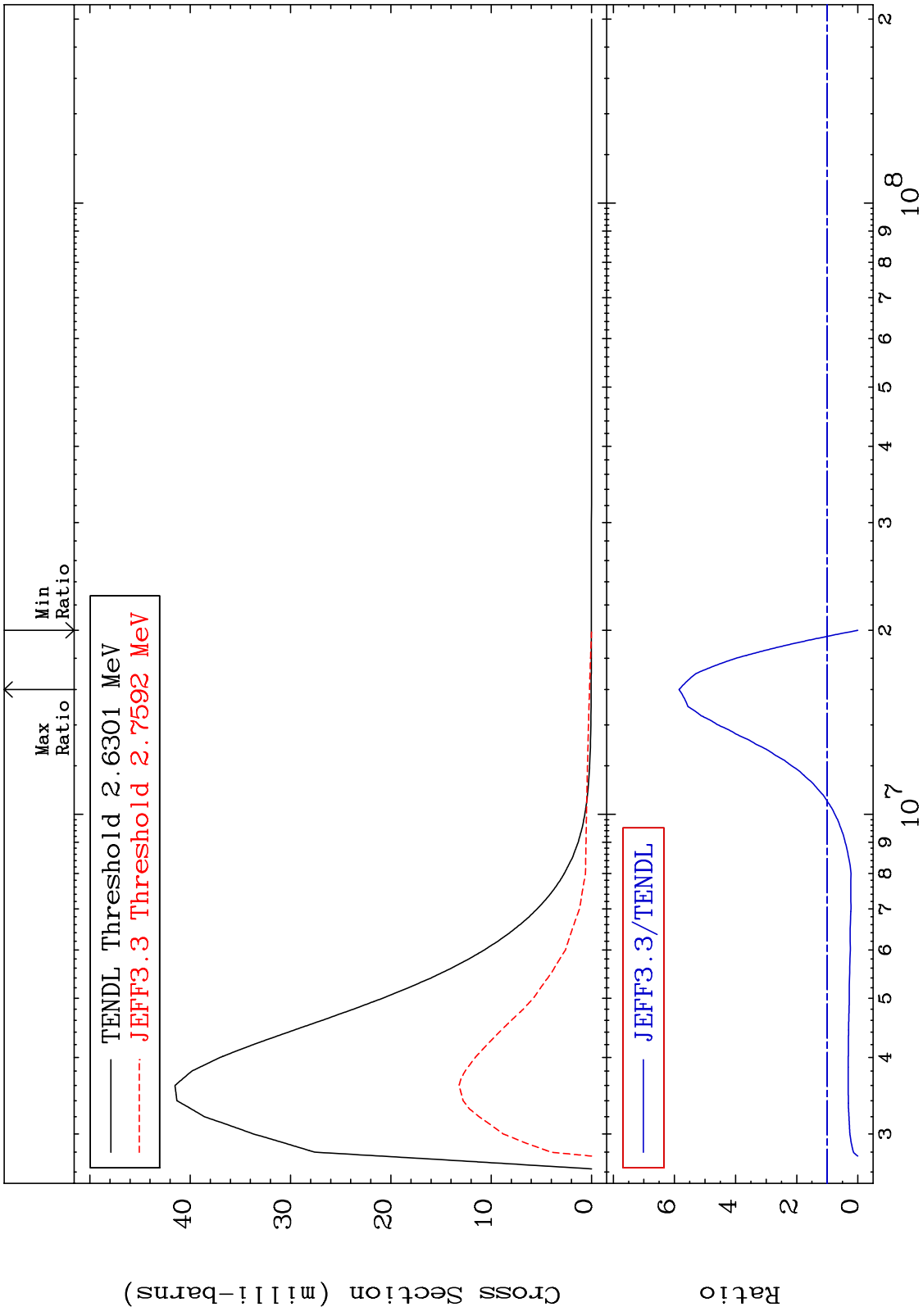


MAT 2725 MT= 66 (n,n') Level Cross Section -100.0 To 960.8 % 27-Co-59

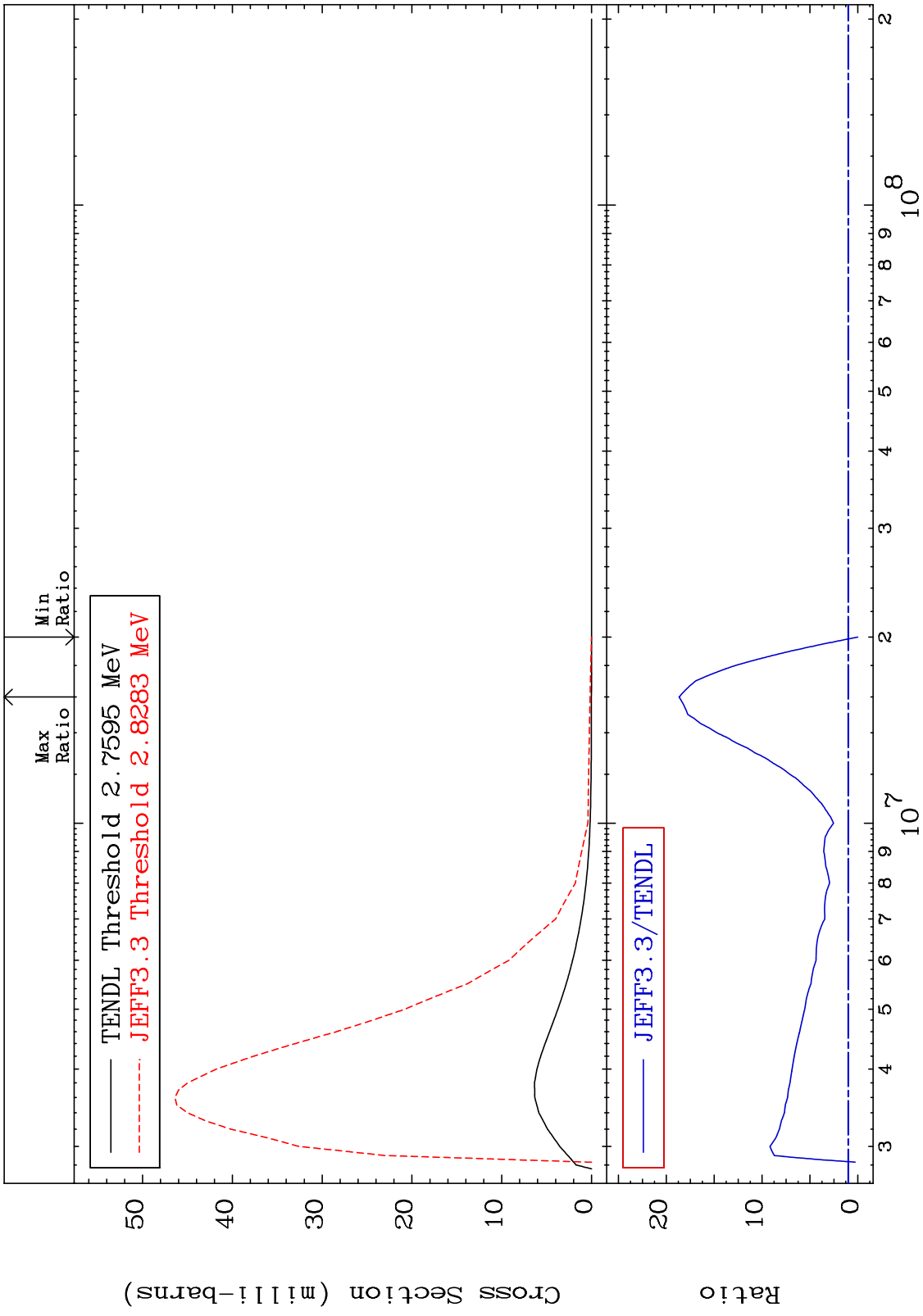


24 27-Co-59

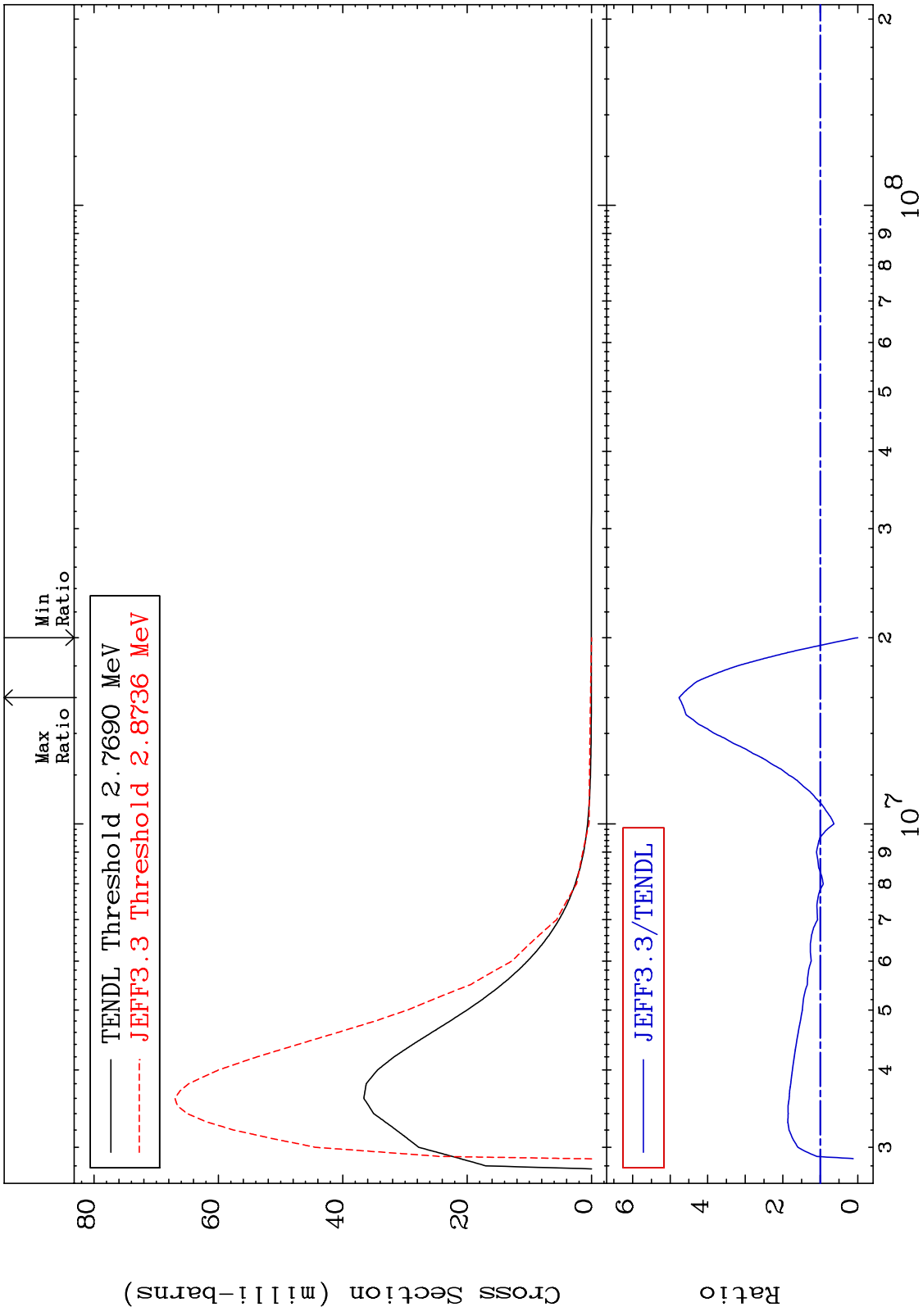
MAT 2725 MT= 67 (n,n') Level Cross Section -100.0 To 485.0 % 27-Co-59



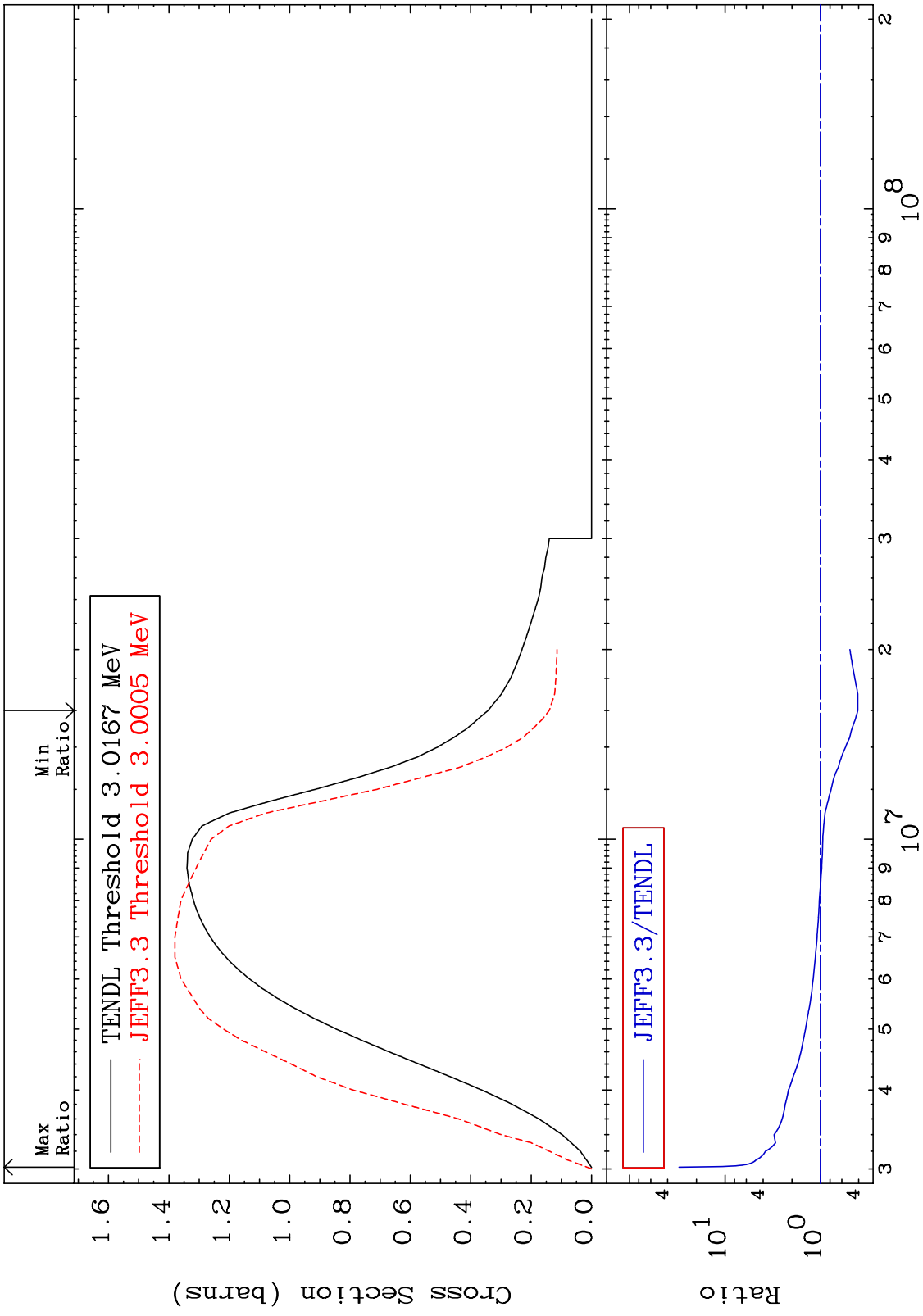
MAT 2725 MT= 68 (n,n') Level Cross Section -100.0 To 1768. % 27-Co-59



MAT 2725 MT= 69 (n,n') Level Cross Section -100.0 To 376.3 % 27-Co-59



27 27-Co-59



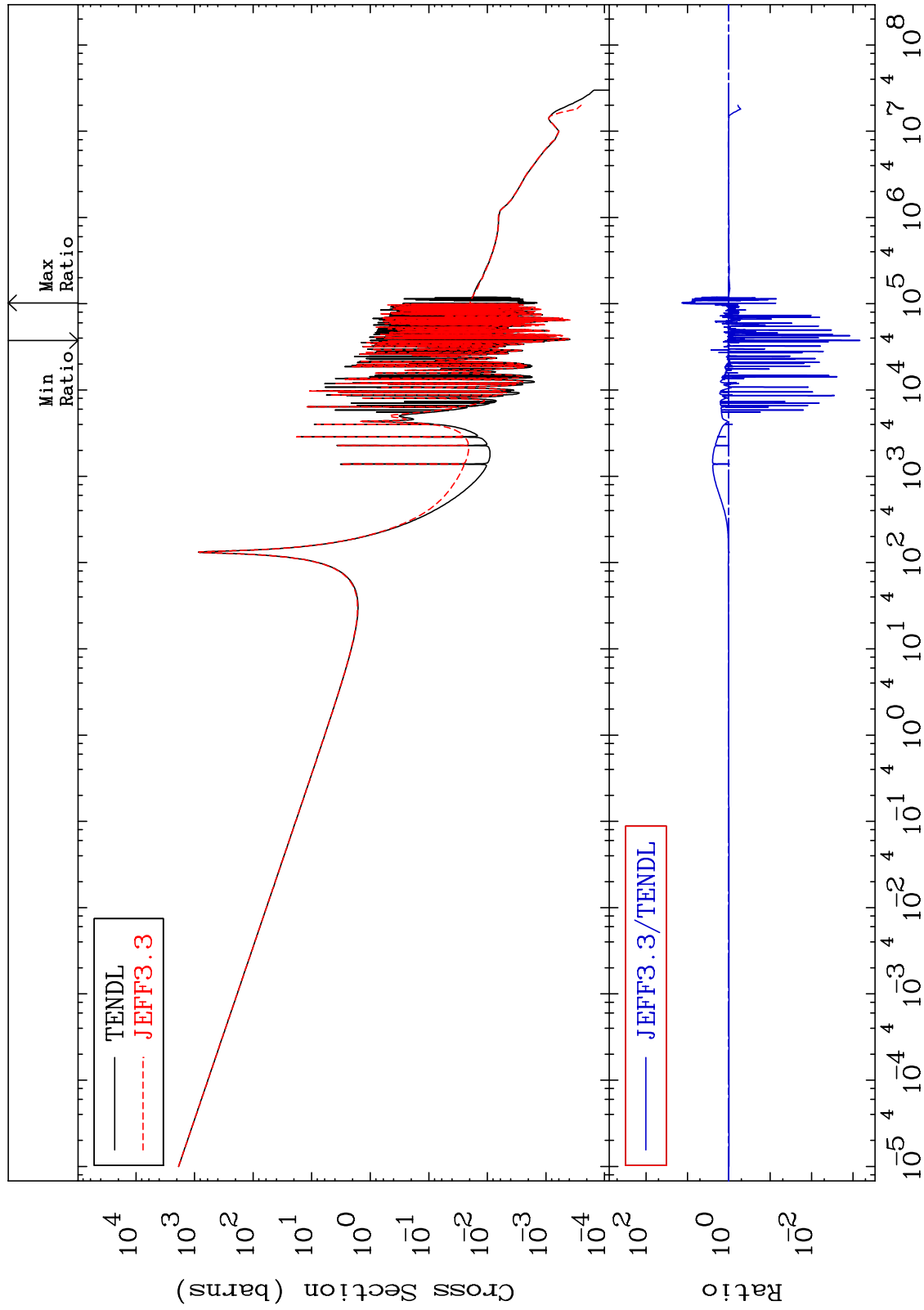
MAT 2725

(n,  $\gamma$ )

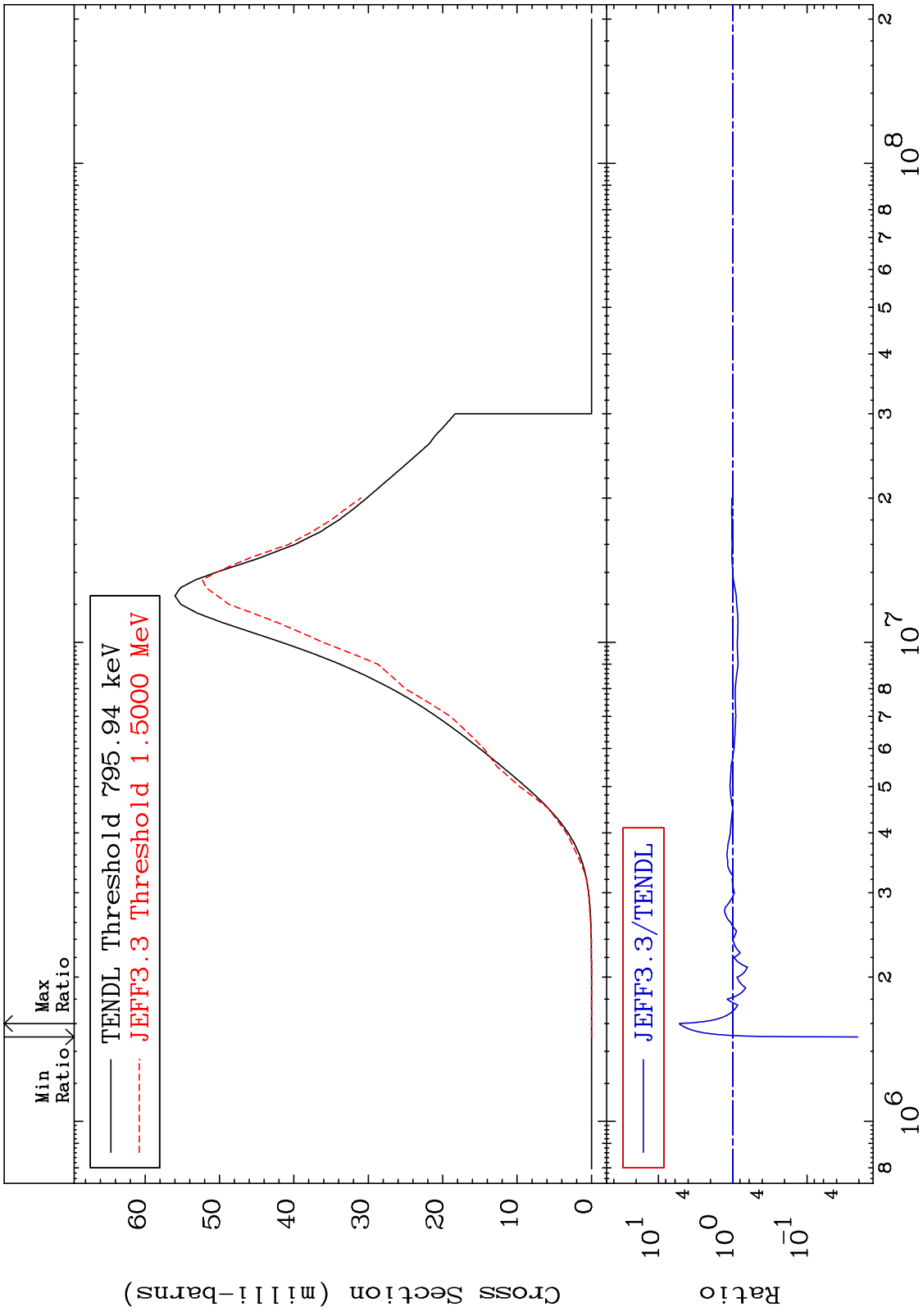
27-Co-59

Cross Section

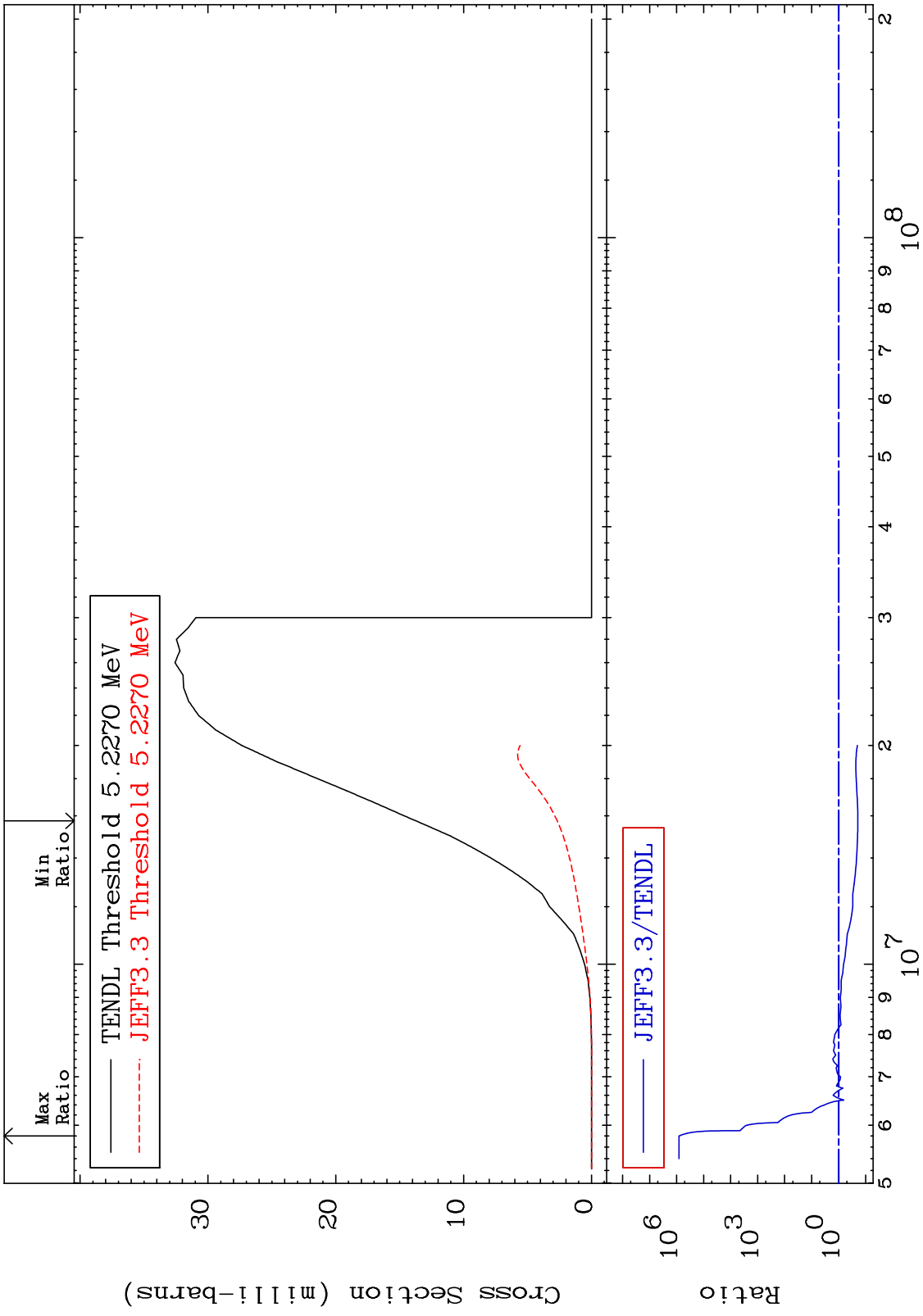
-99.93 To 1291. %



MAT 2725 (n,p) Cross Section 27-Co-59 -97.93 To 428.9 %

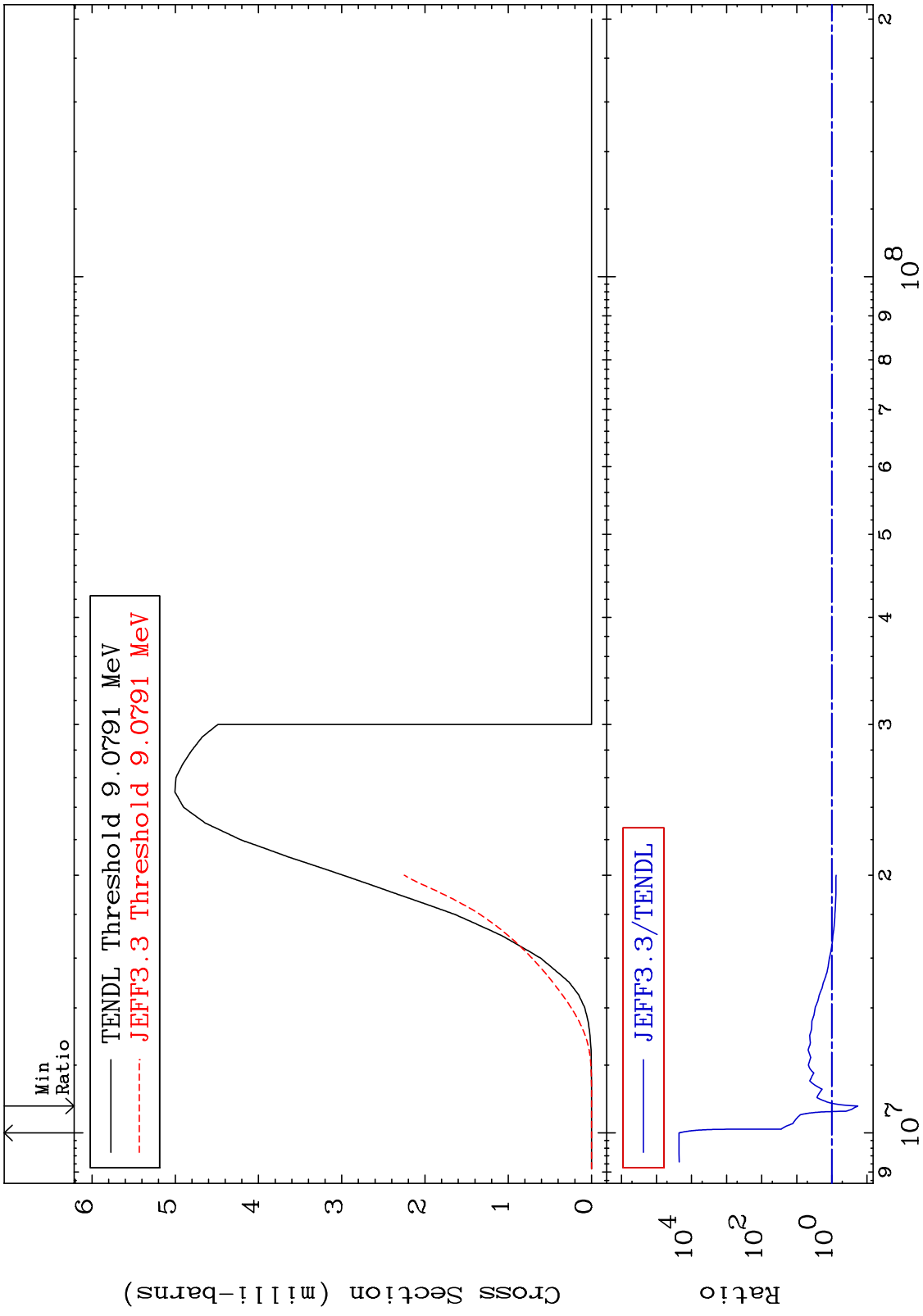


MAT 2725 (n,d) 27-Co-59  
 Cross Section -80.46 To 9999. %

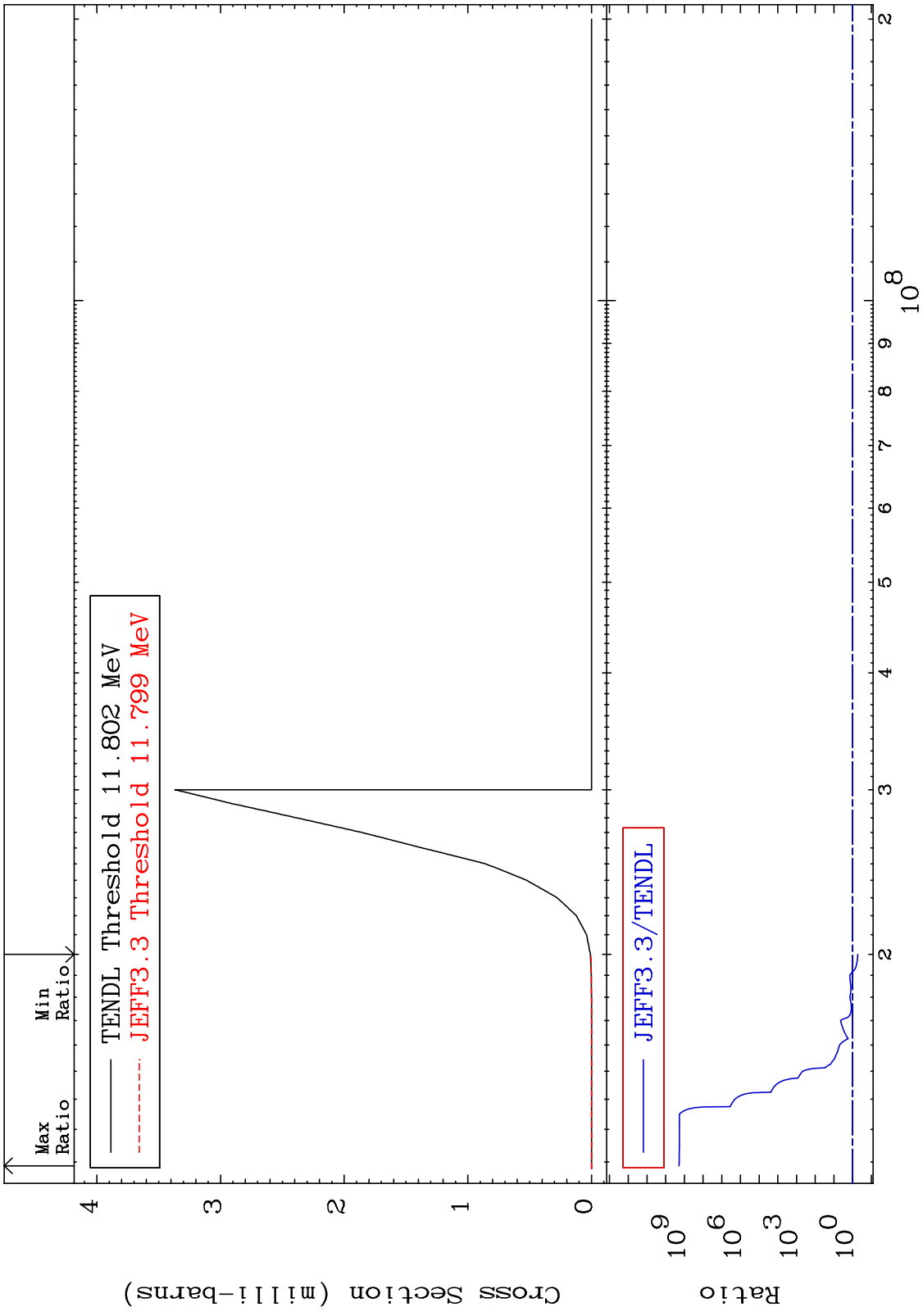




MAT 2725 (n,t) 27-Co-59  
 Cross Section -81.91 To 9999. %

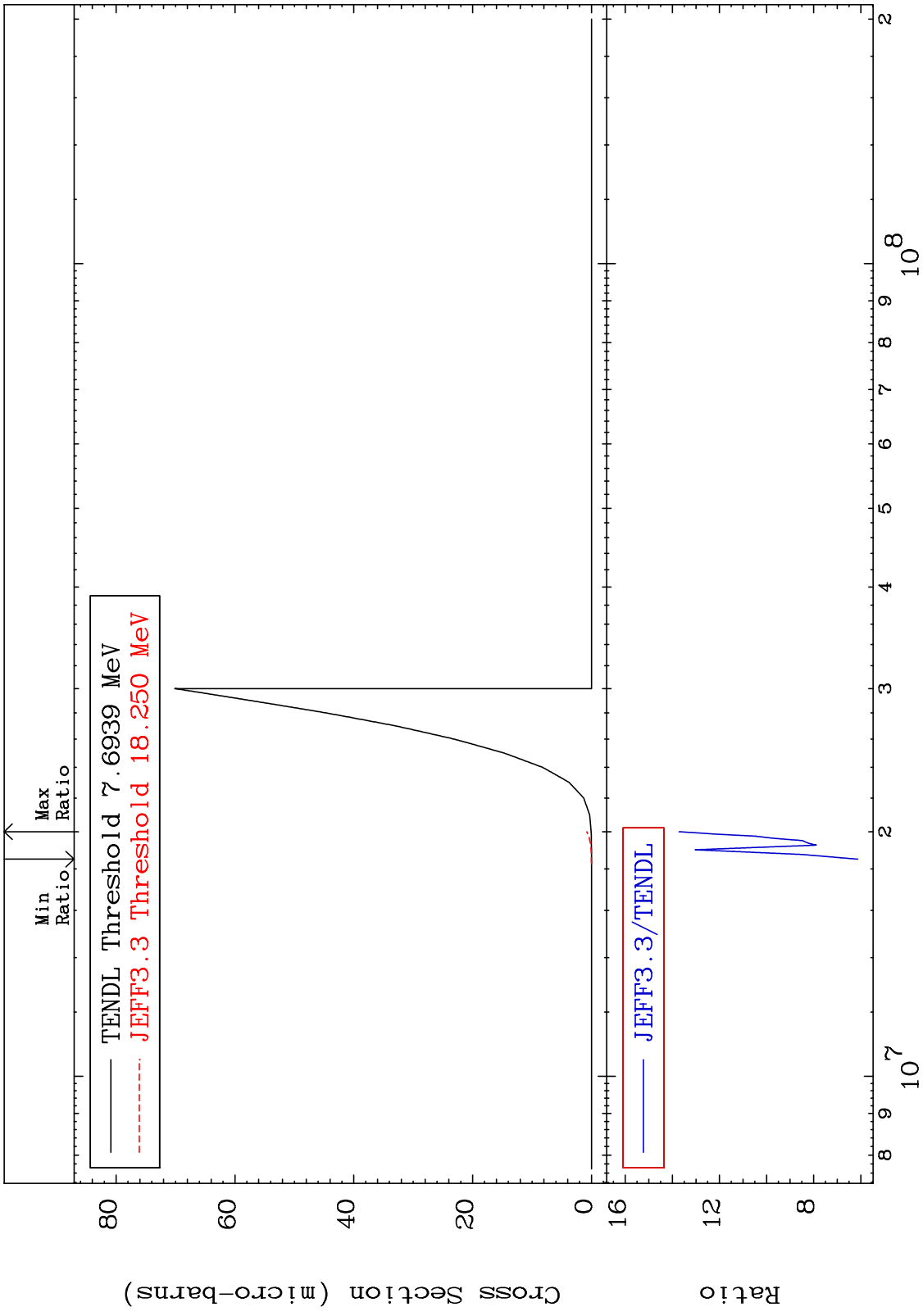


32 Incident Energy (eV) 27-Co-59



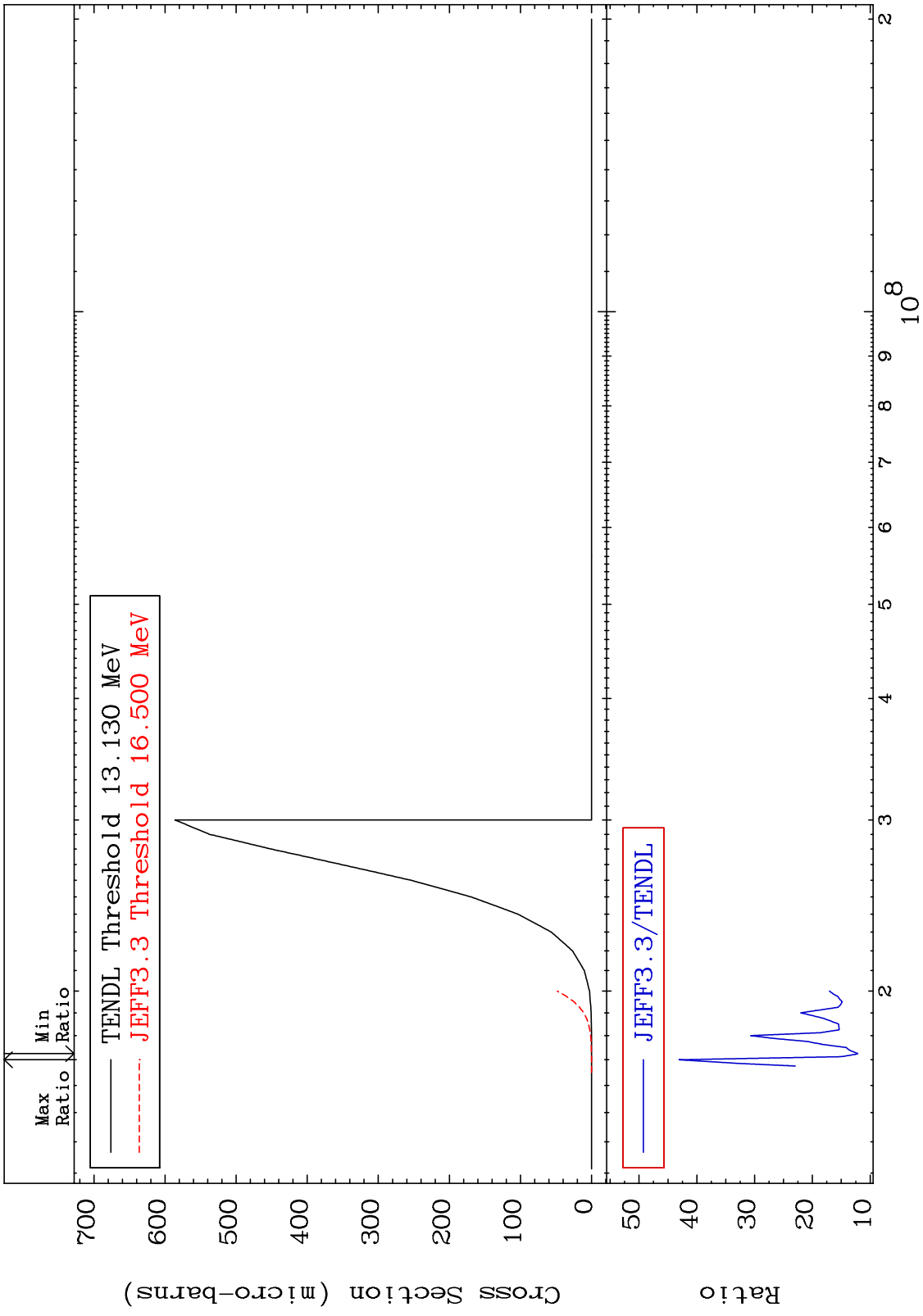


MAT 2725  $(n, 2\alpha)$  Cross Section 27-Co-59 To 1272. %  
 512.5



35 27-Co-59

MAT 2725 (n,2p) Cross Section 27-Co-59 1113. To 4208. %



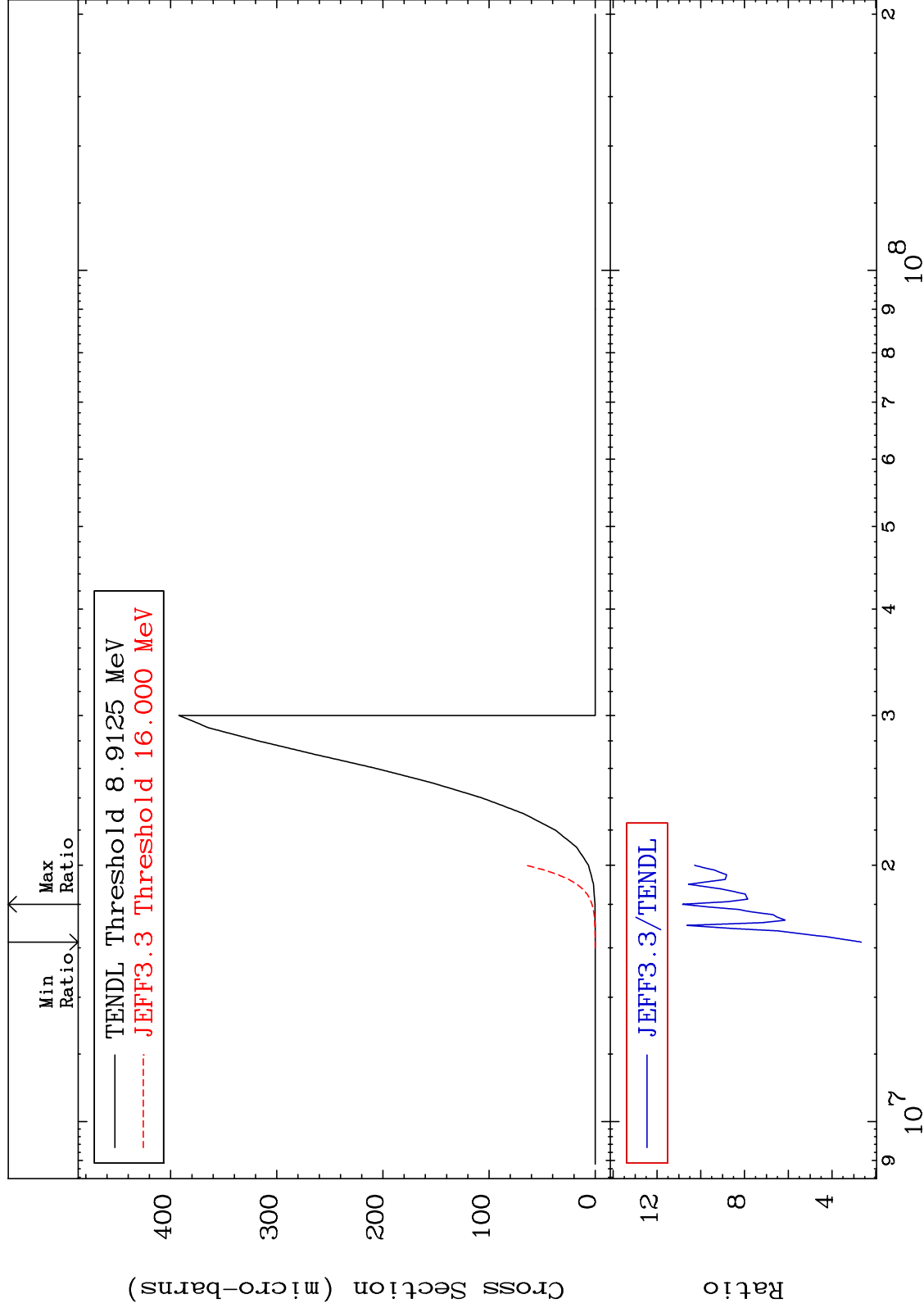
MAT 2725

(n,p)  $\alpha$

27-Co-59

Cross Section

166.2 To 982.7 %



37

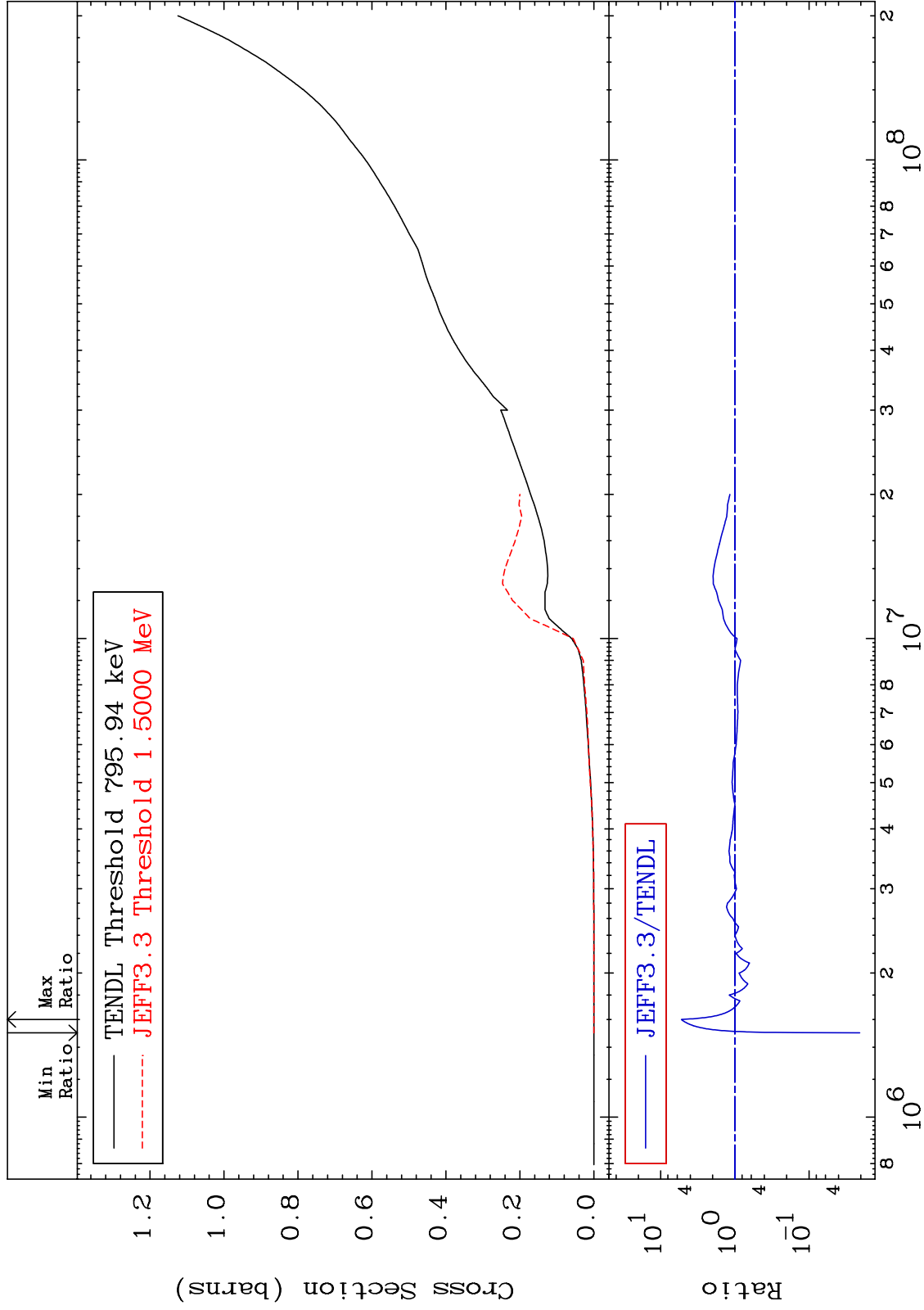
Incident Energy (eV)

27-Co-59

MAT 2725

Hydrogen Production  
Cross Section

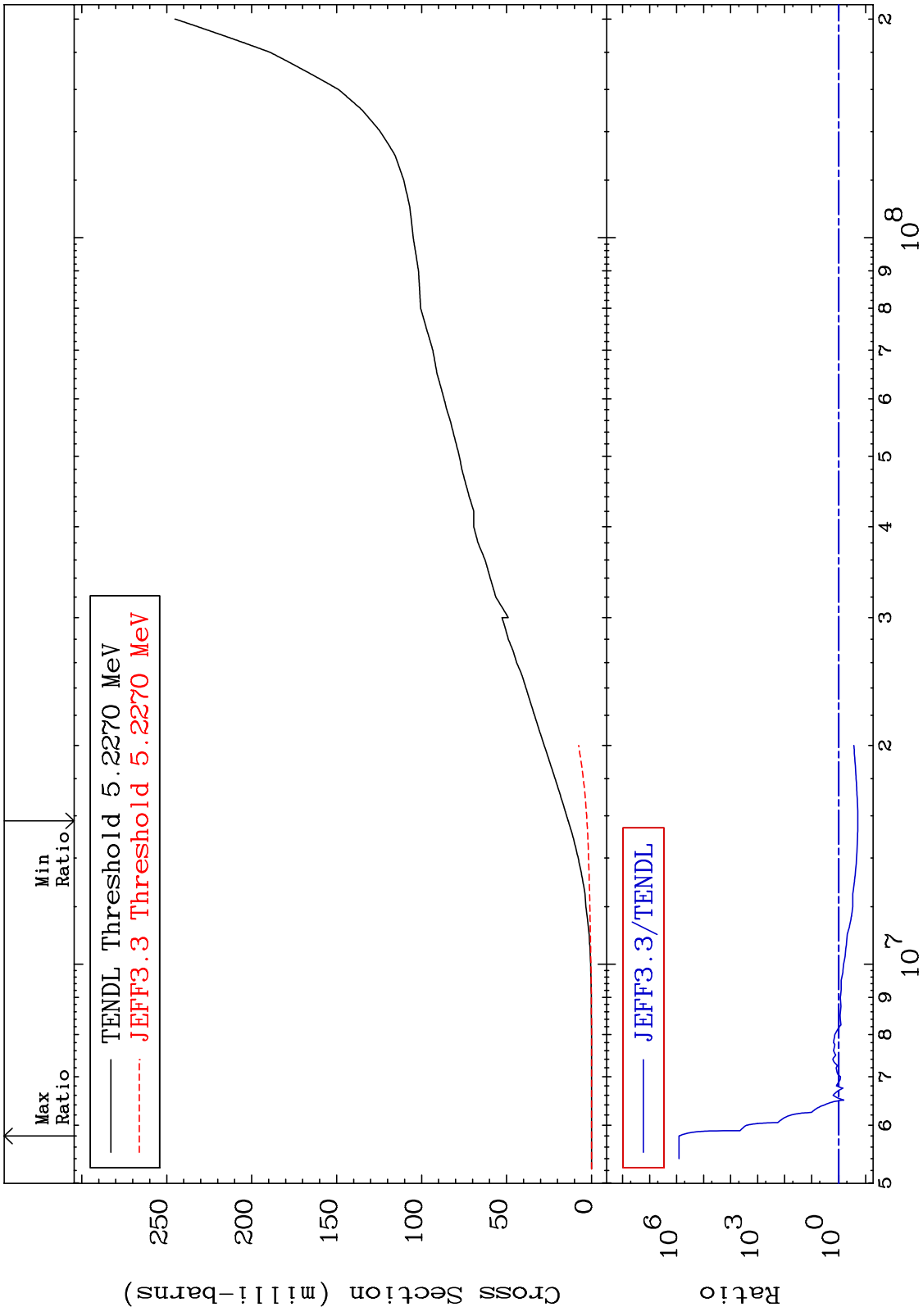
27-Co-59  
-97.93 To 428.9 %



38

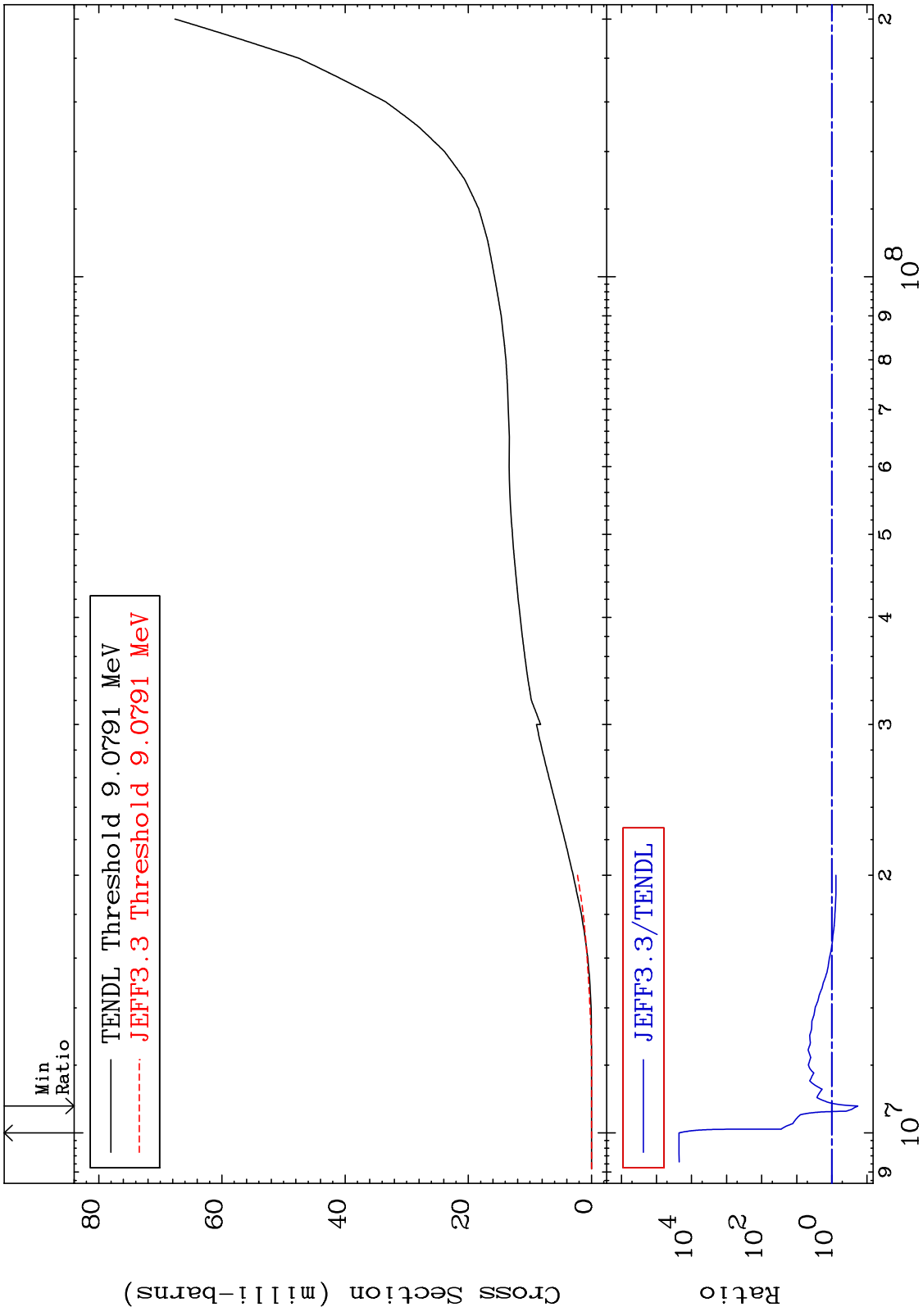
Incident Energy (eV)

27-Co-59





MAT 2725 Tritium Production Cross Section -81.91 To 9999. % 27-Co-59

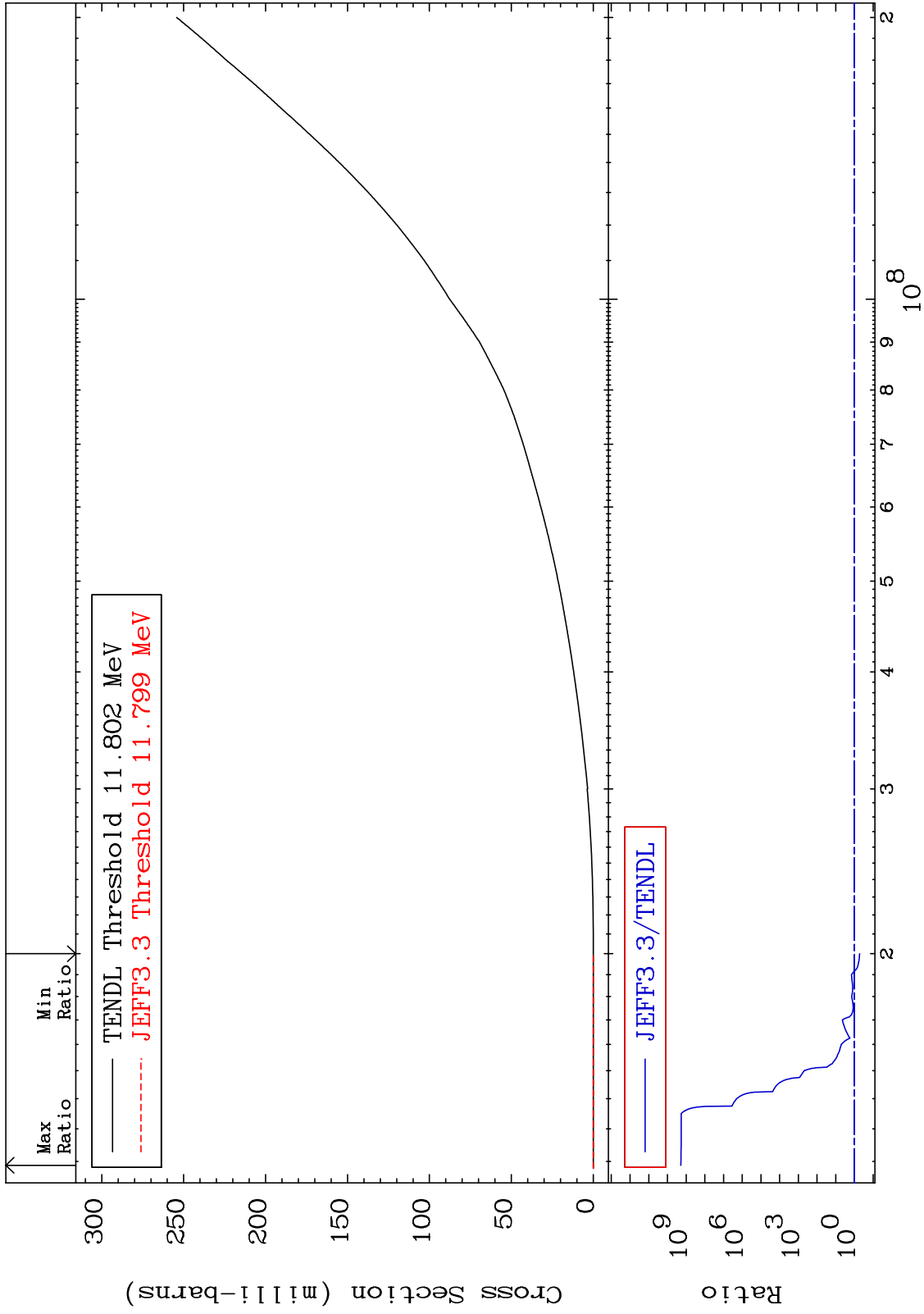


40 Incident Energy (eV) 27-Co-59

MAT 2725

He-3 Production  
Cross Section

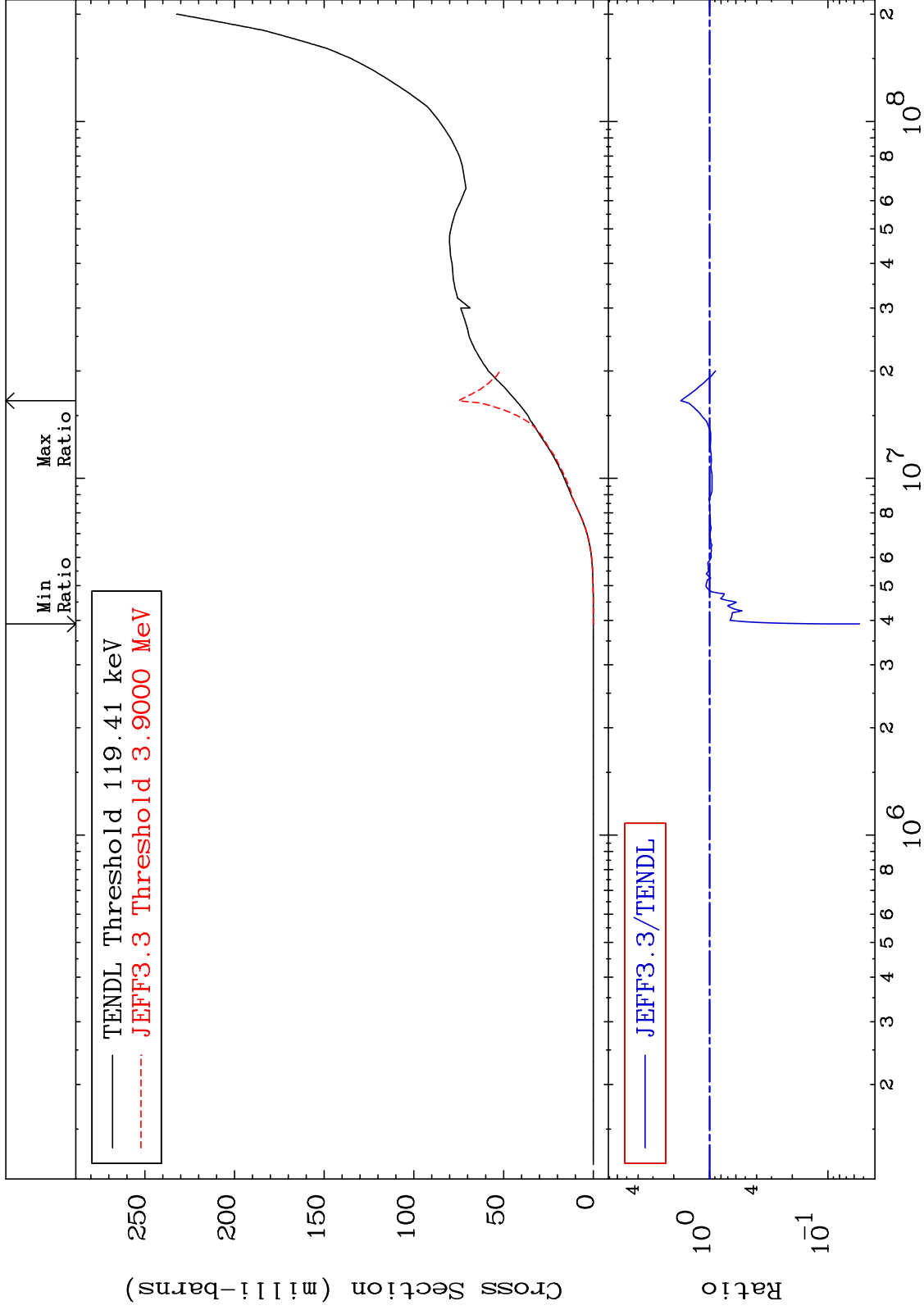
27-Co-59  
-47.83 To 9999. %



MAT 2725

He-4 Production  
Cross Section

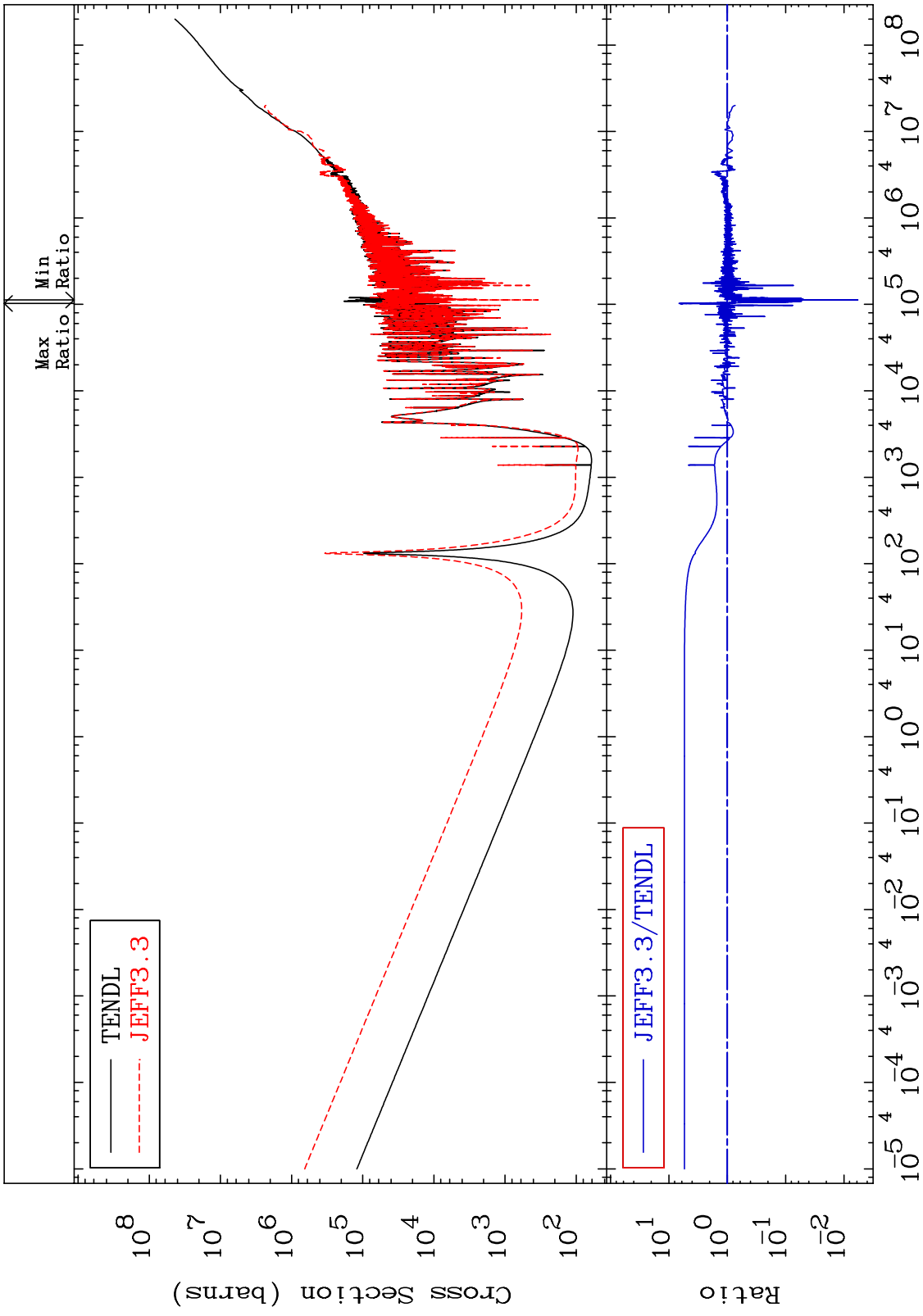
27-Co-59  
-94.60 To 74.68 %



42

27-Co-59

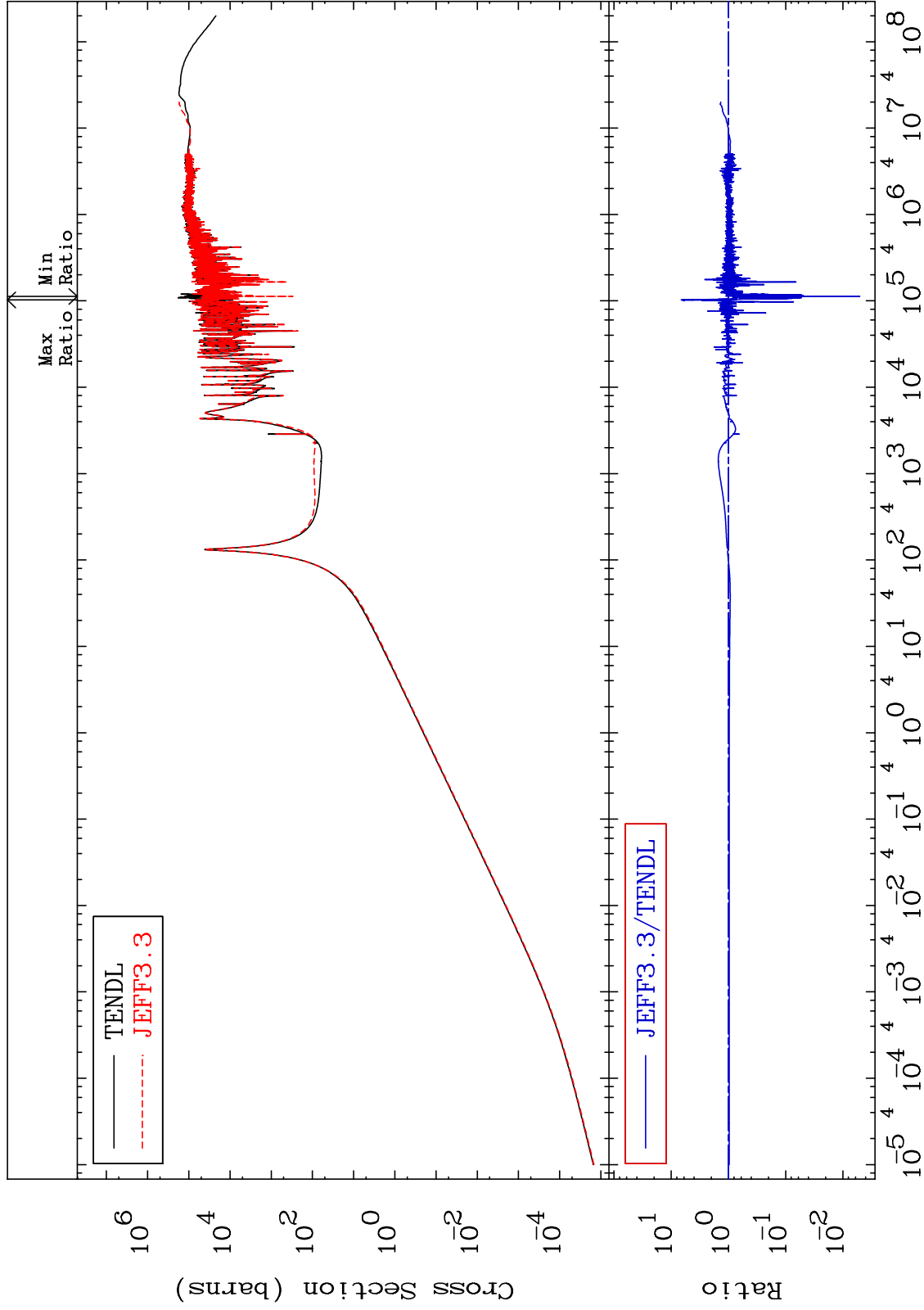
MAT 2725      Kerma total (eV-barns)      27-Co-59  
 Cross Section      -99.42 To 568.8 %



MAT 2725

Kerma elastic  
Cross Section

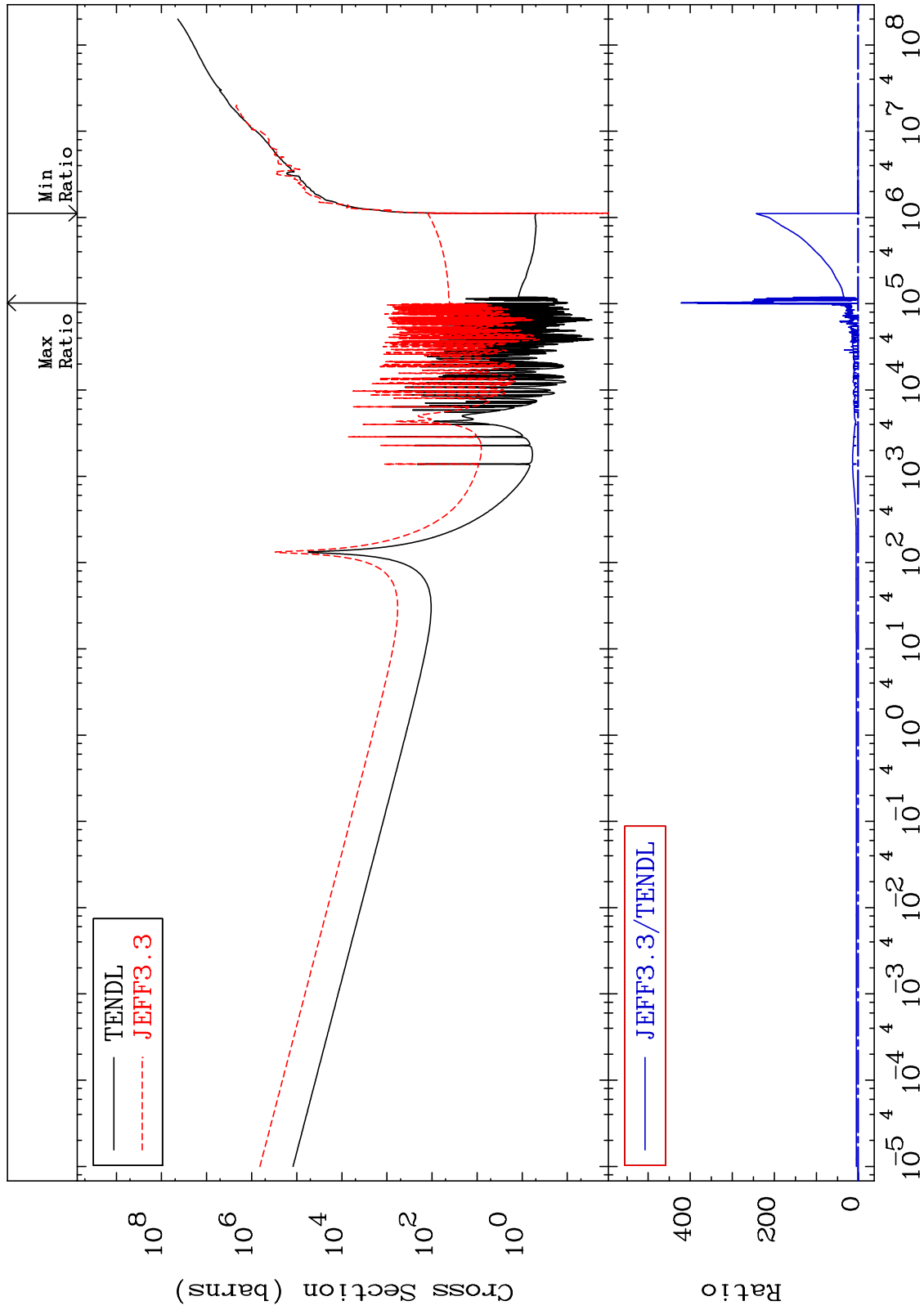
27-Co-59  
-99.49 To 568.4 %



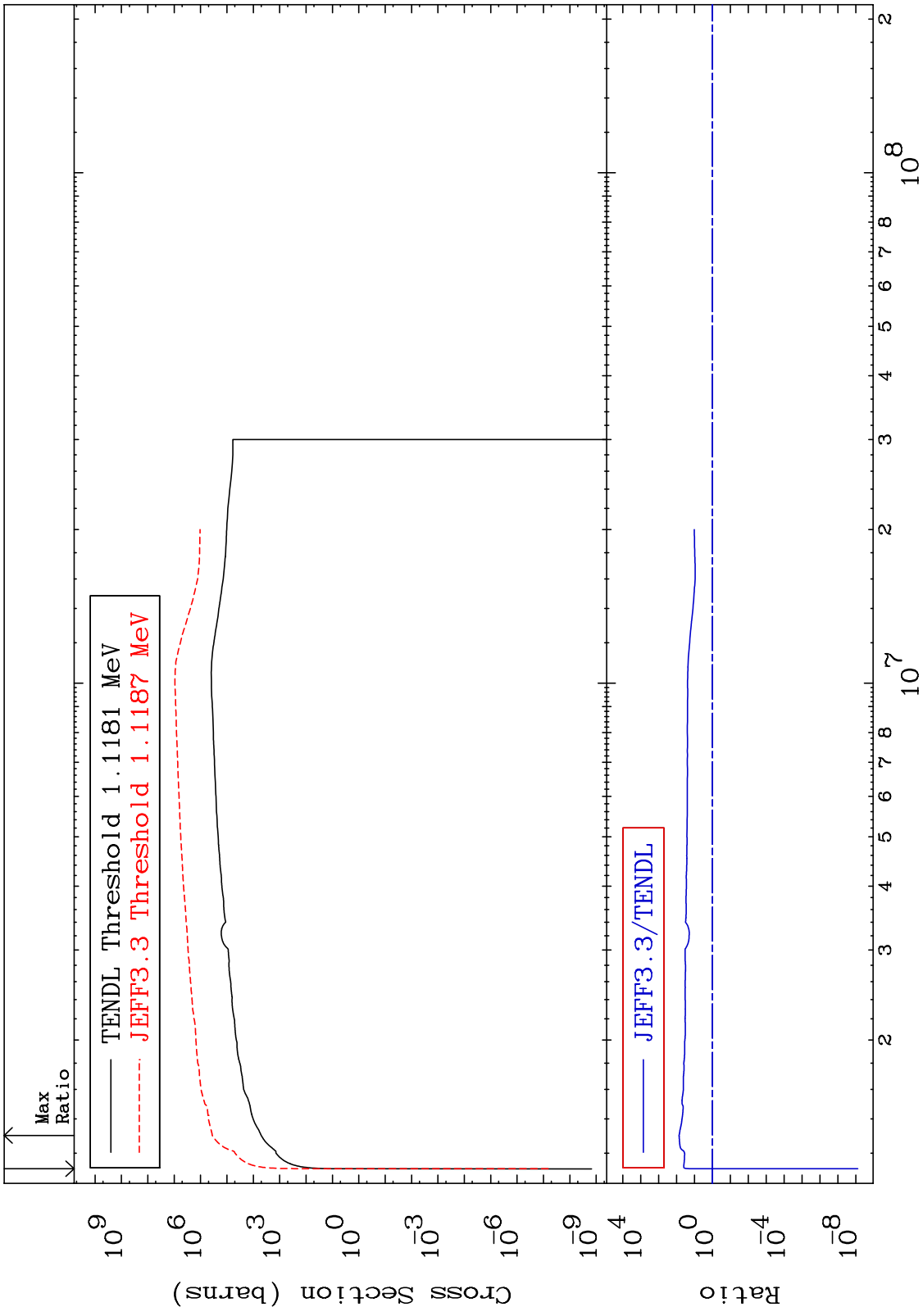
MAT 2725

Kerma non-elastic (all but mt2)  
Cross Section

27-Co-59  
-211.4 To 9999. %



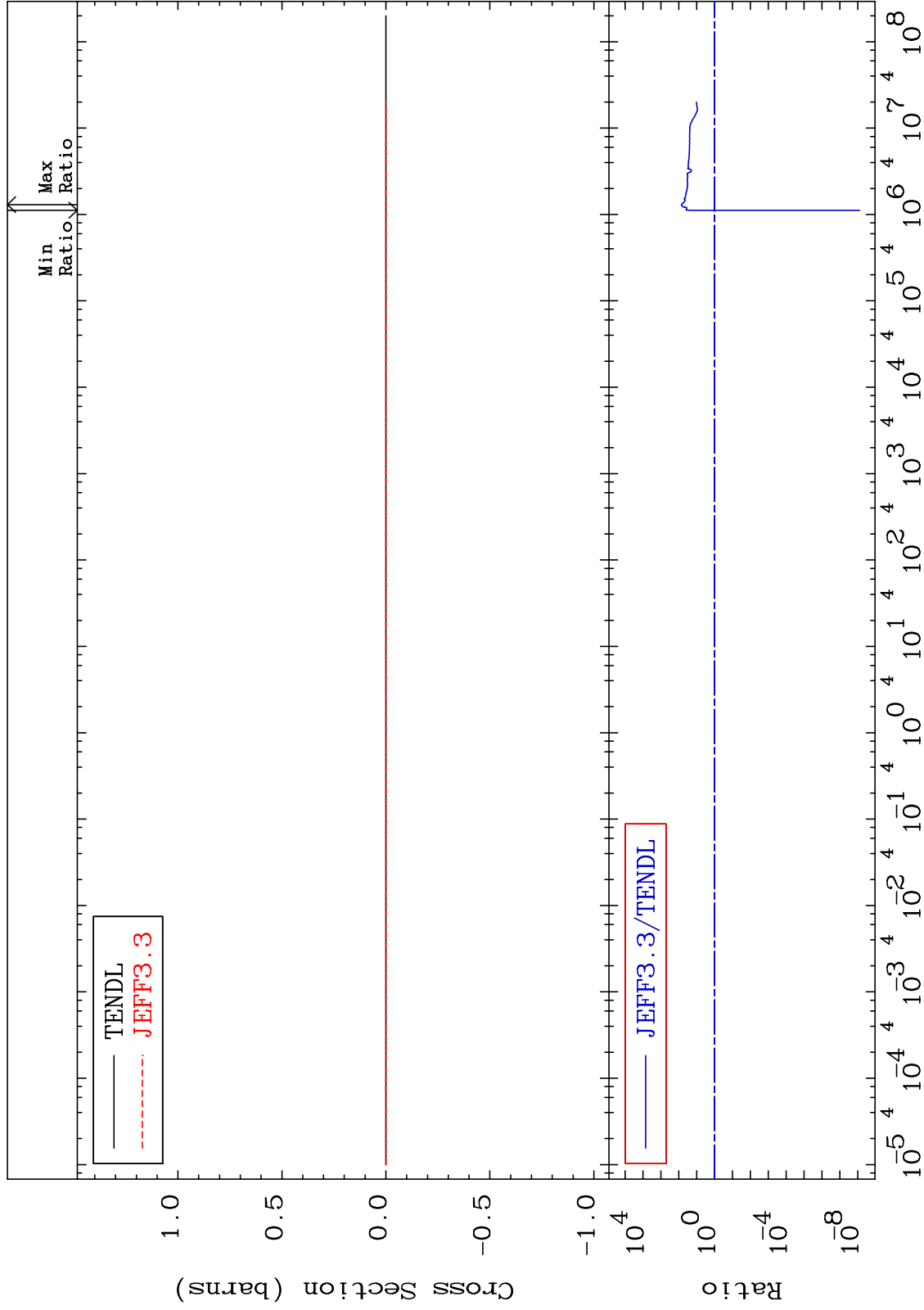
MAT 2725 Kerma inelastic (mt51-91) 27-Co-59  
 -100.0 To 7124. %  
 Cross Section



MAT 2725

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

27-Co-59  
-100.0 To 7124. %

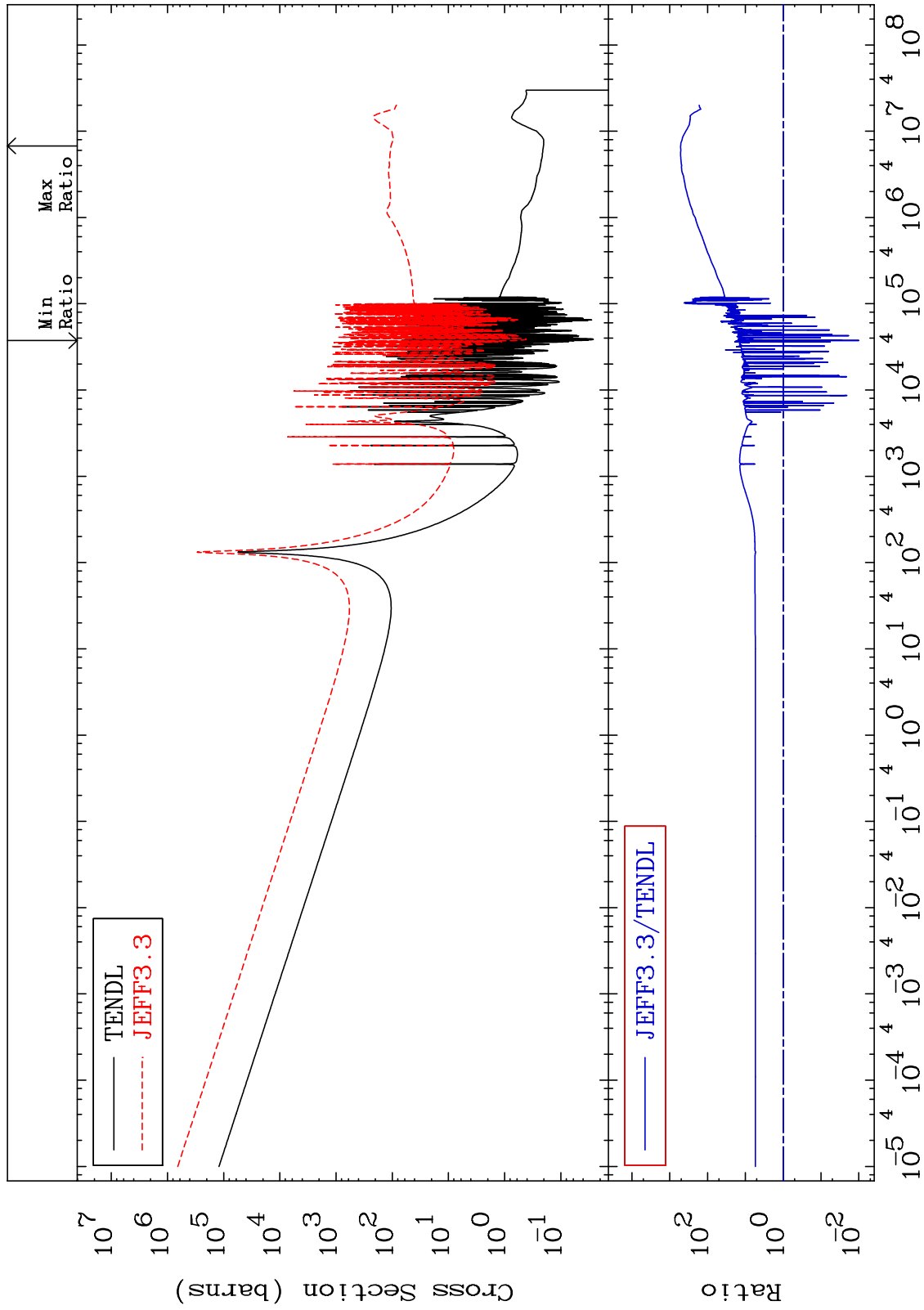




MAT 2725

Kerma capture (mt102)  
Cross Section

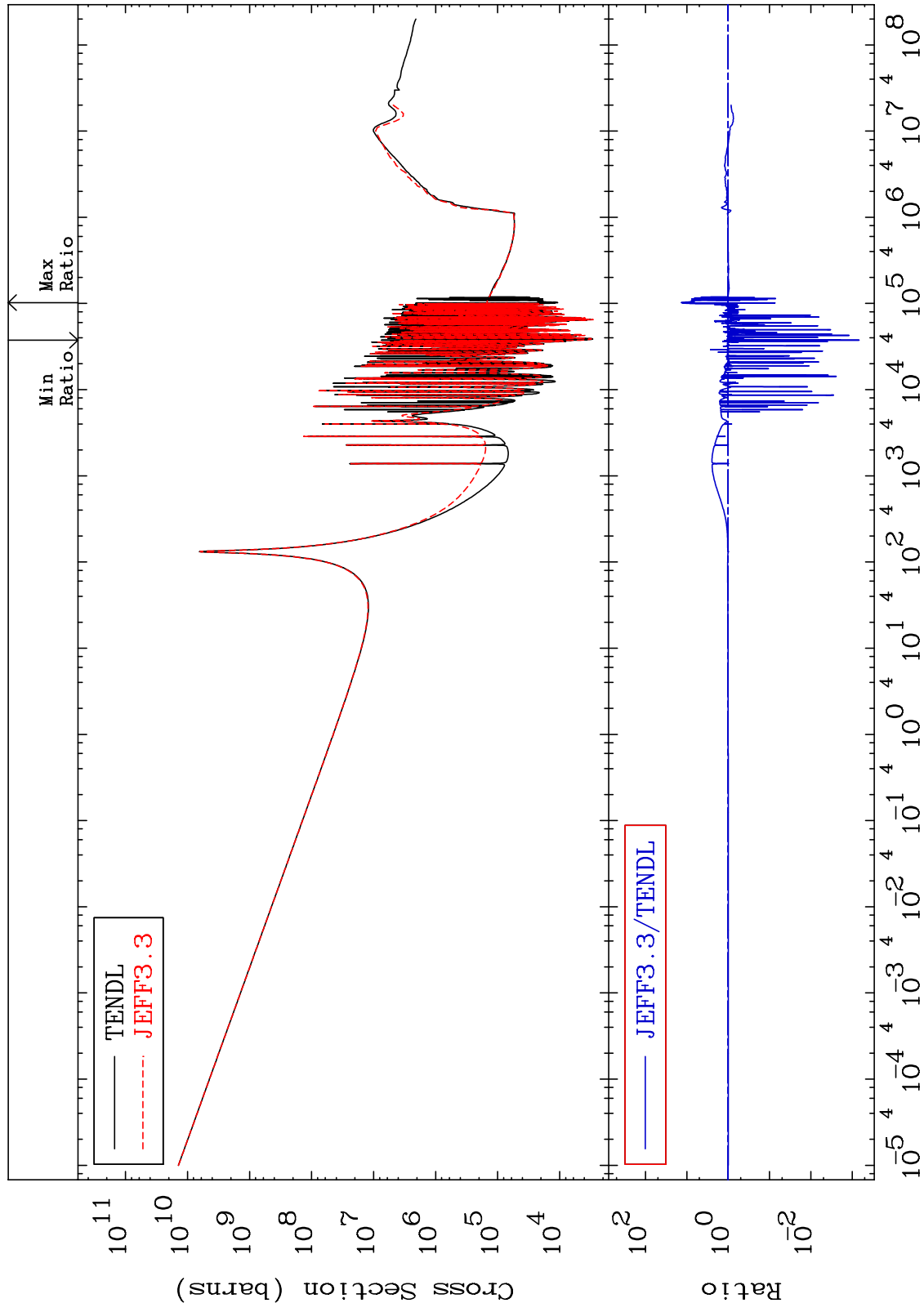
27-Co-59  
-99.01 To 9999. %



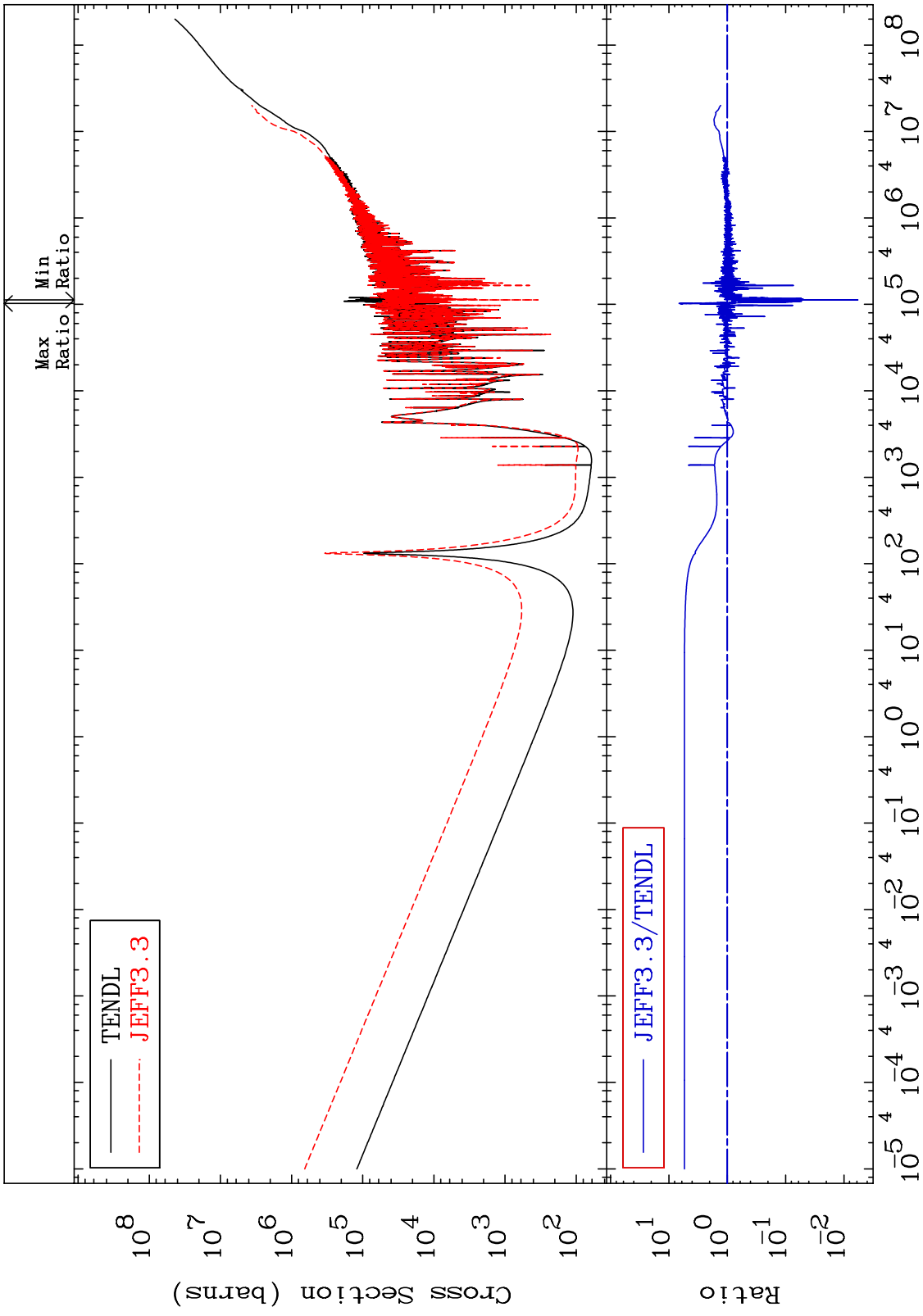
MAT 2725

Total photon (eV-barns)  
Cross Section

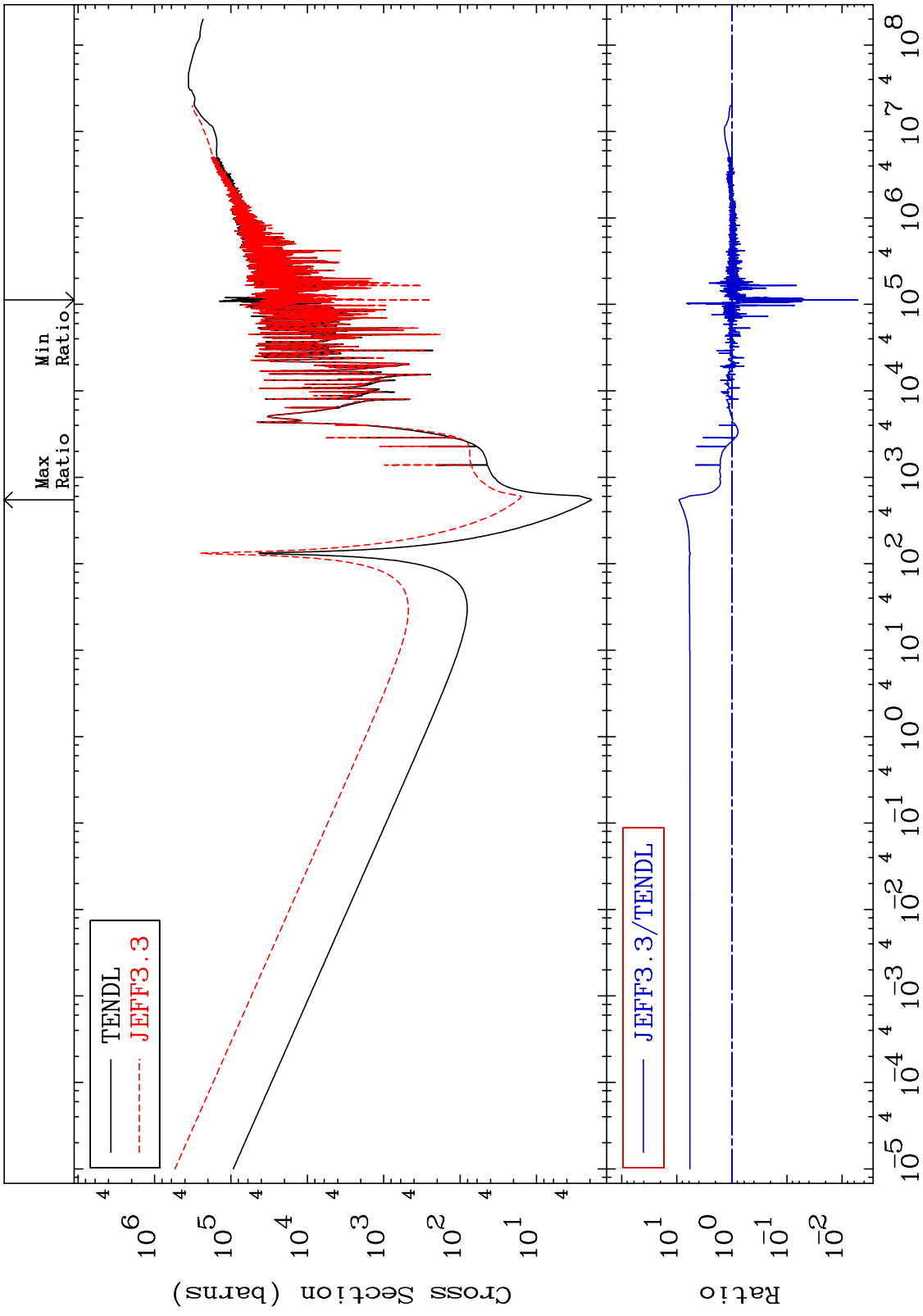
27-Co-59  
-99.93 To 1291. %



MAT 2725 Total kinematic kerma (high limit) 27-Co-59  
Cross Section -99.42 To 568.8 %



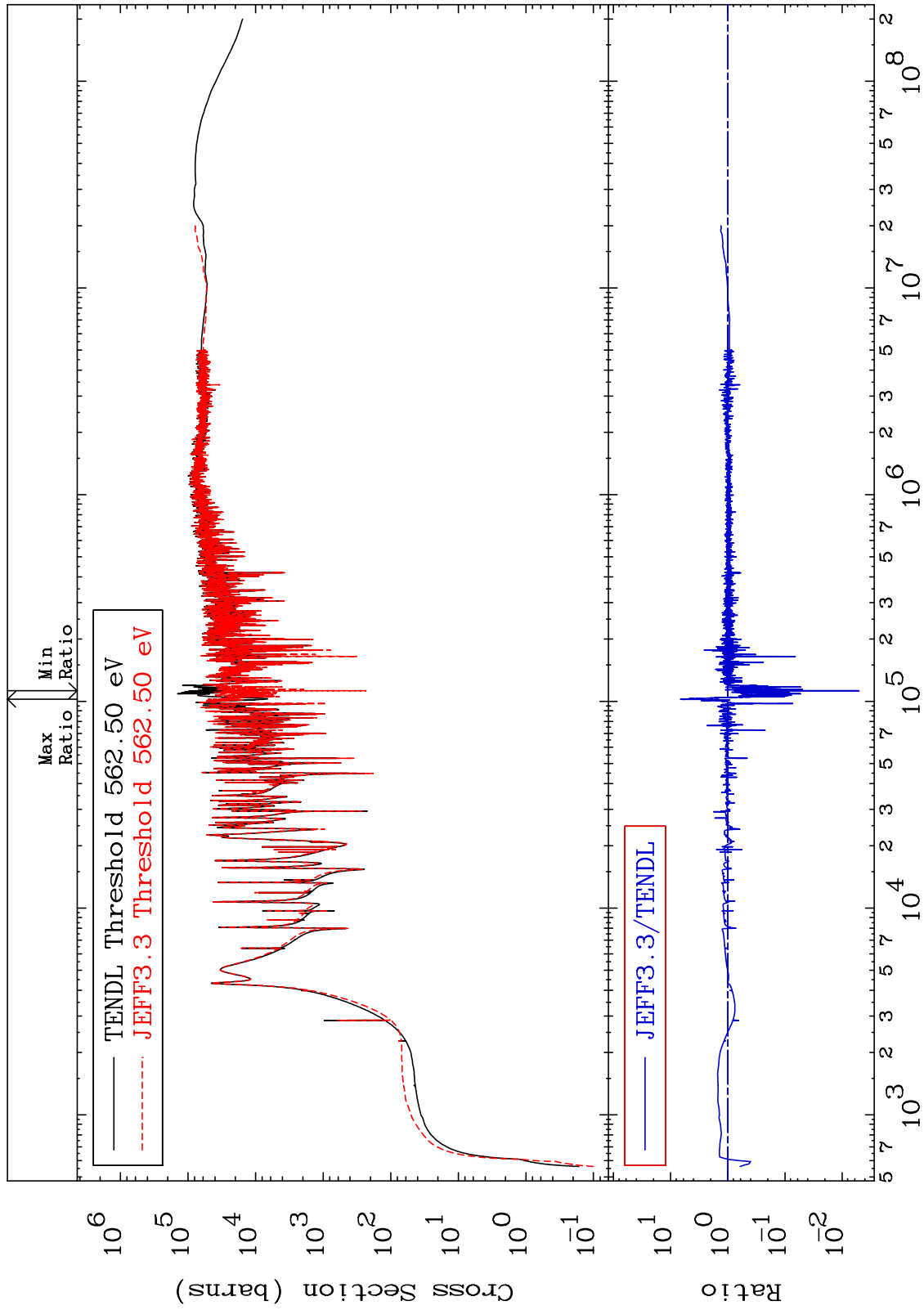
MAT 2725      Dpa total (eV-barns)      27-Co-59  
 -99.48 To 814.0 %



MAT 2725

Dpa elastic (mt2)  
Cross Section

27-Co-59  
-99.49 To 568.4 %

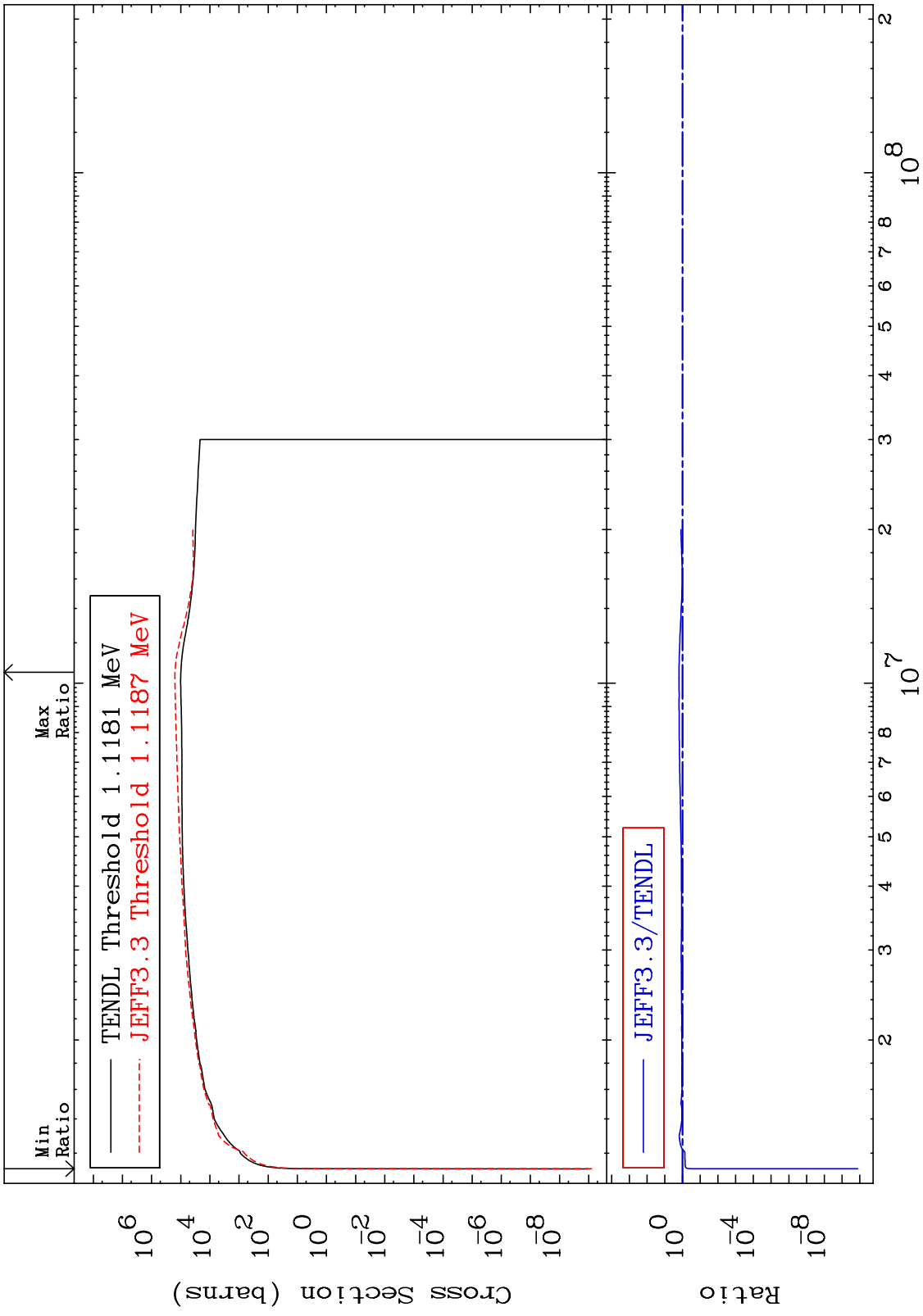


52

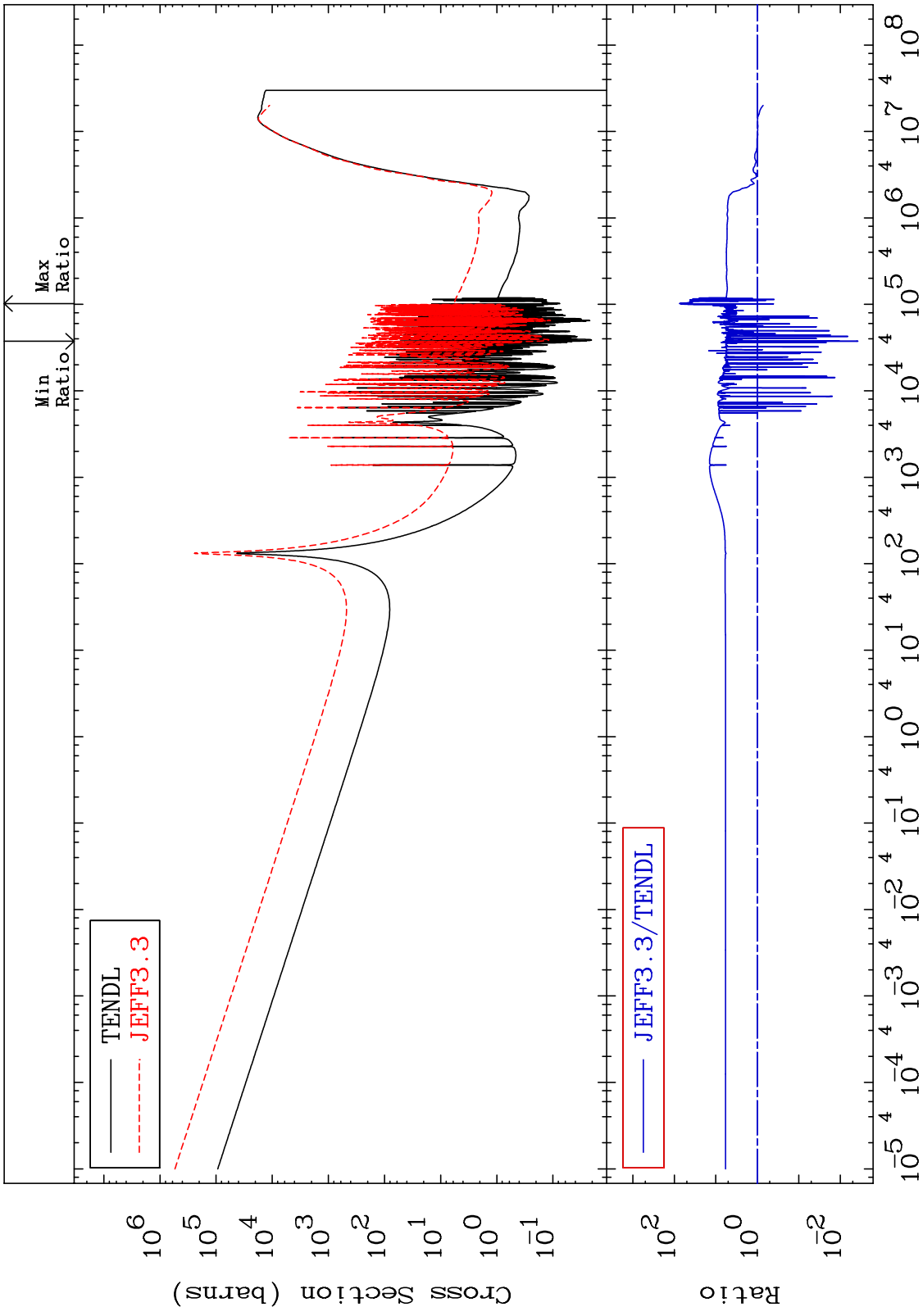
27-Co-59

27-Co-59

MAT 2725      Dpa inelastic (mt51-91)      27-Co-59  
 Cross Section      -100.0 To 57.98 %



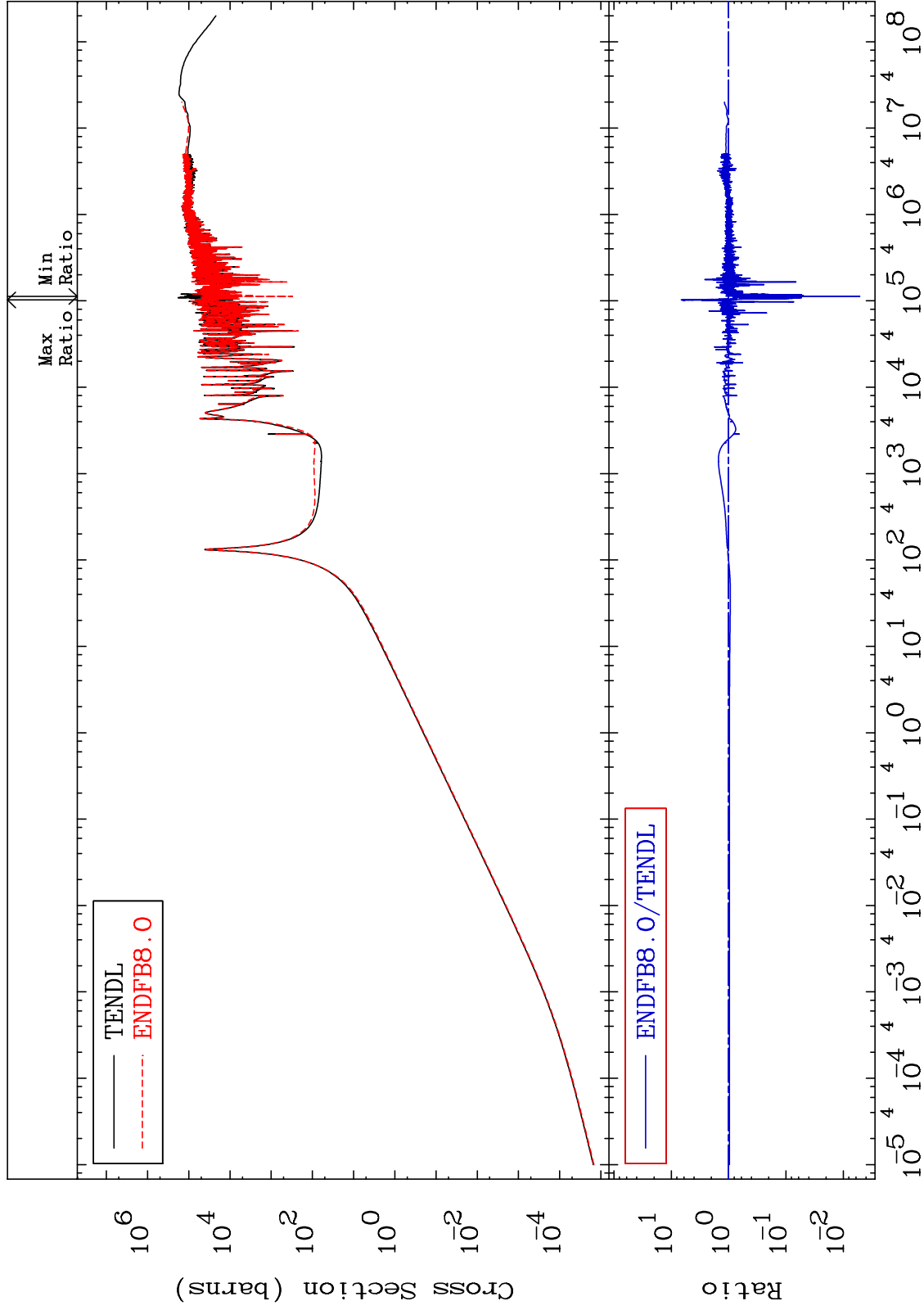
MAT 2725      Dpa disappearance (mt102 -120)      27-Co-59  
 Cross Section      -99.62 To 7580. %



MAT 2725

Kerma elastic  
Cross Section

27-Co-59  
-99.48 To 569.9 %

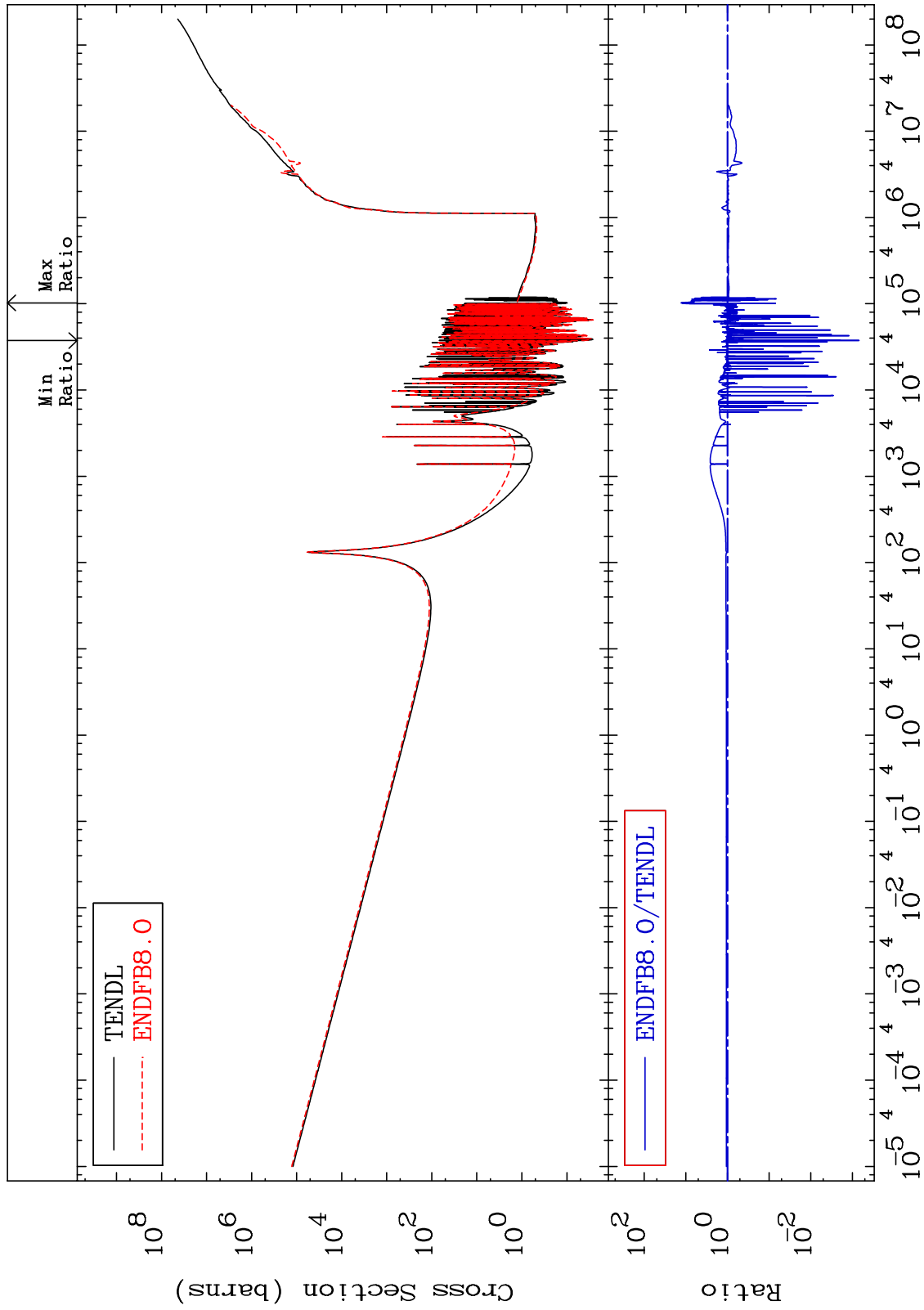




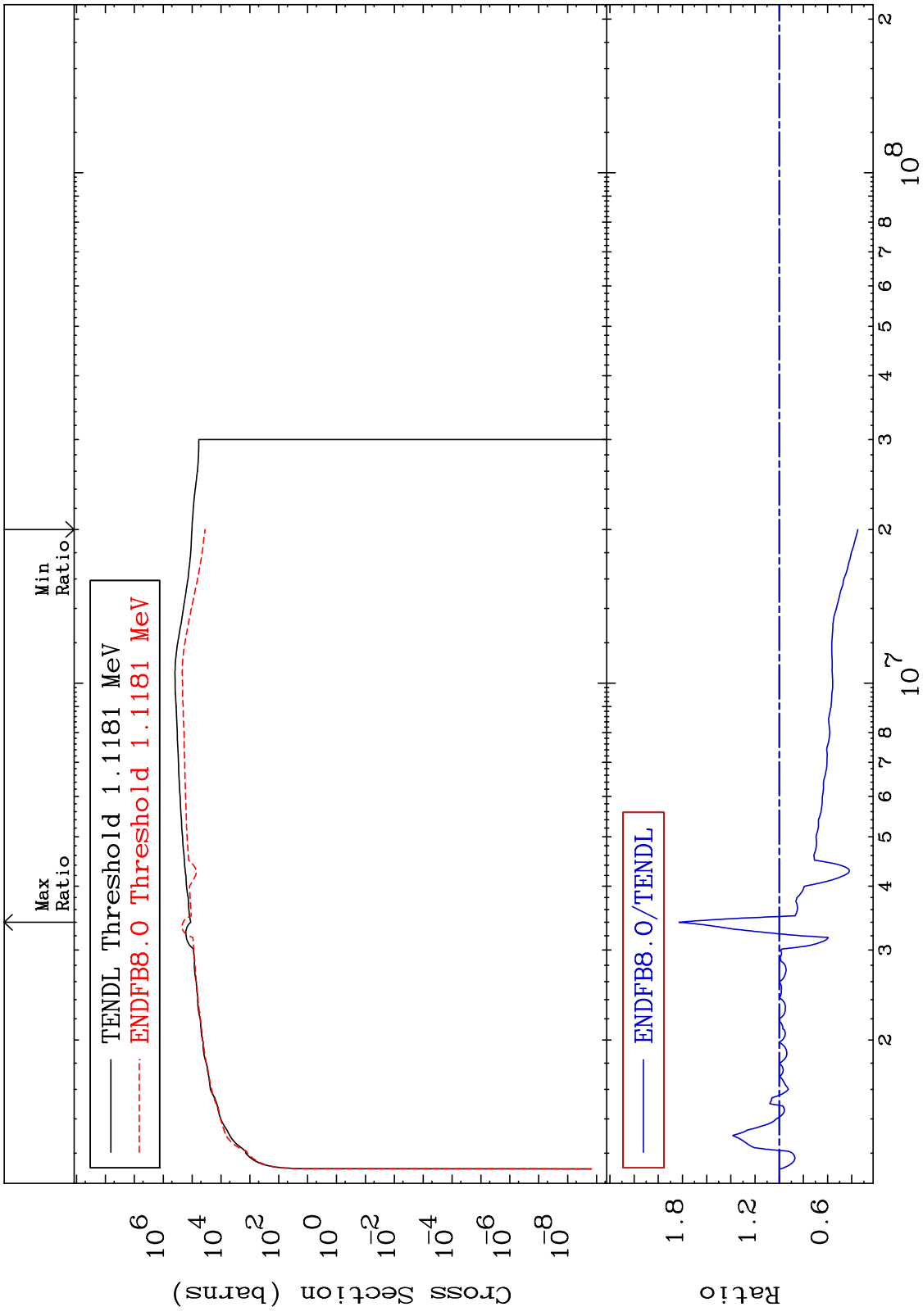
MAT 2725

Kerma non-elastic (all but mt2)  
Cross Section

27-Co-59  
-99.93 To 1231. %



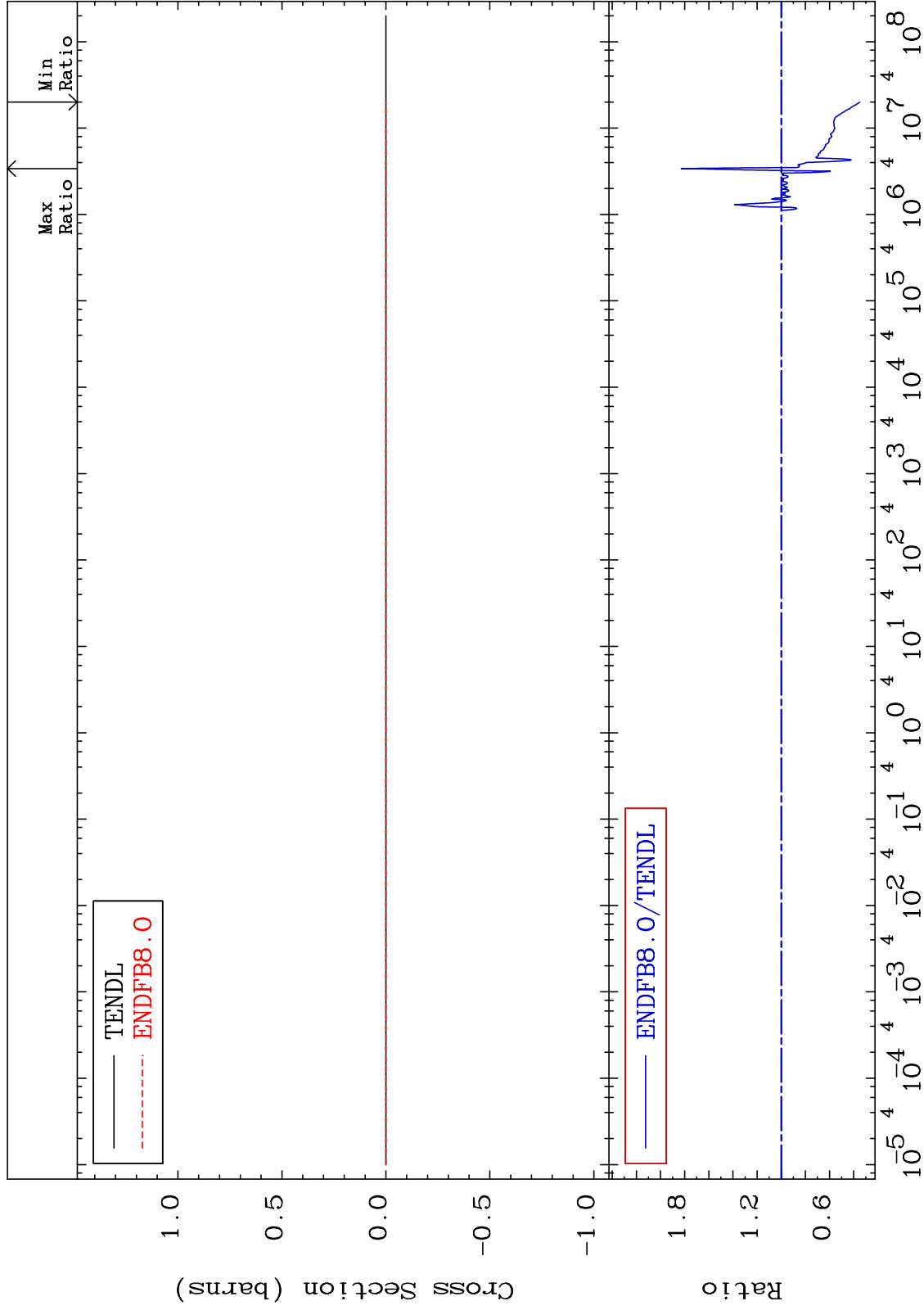
MAT 2725 Kerma inelastic (mt51-91) 27-Co-59  
 Cross Section -65.02 To 82.83 %



MAT 2725

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

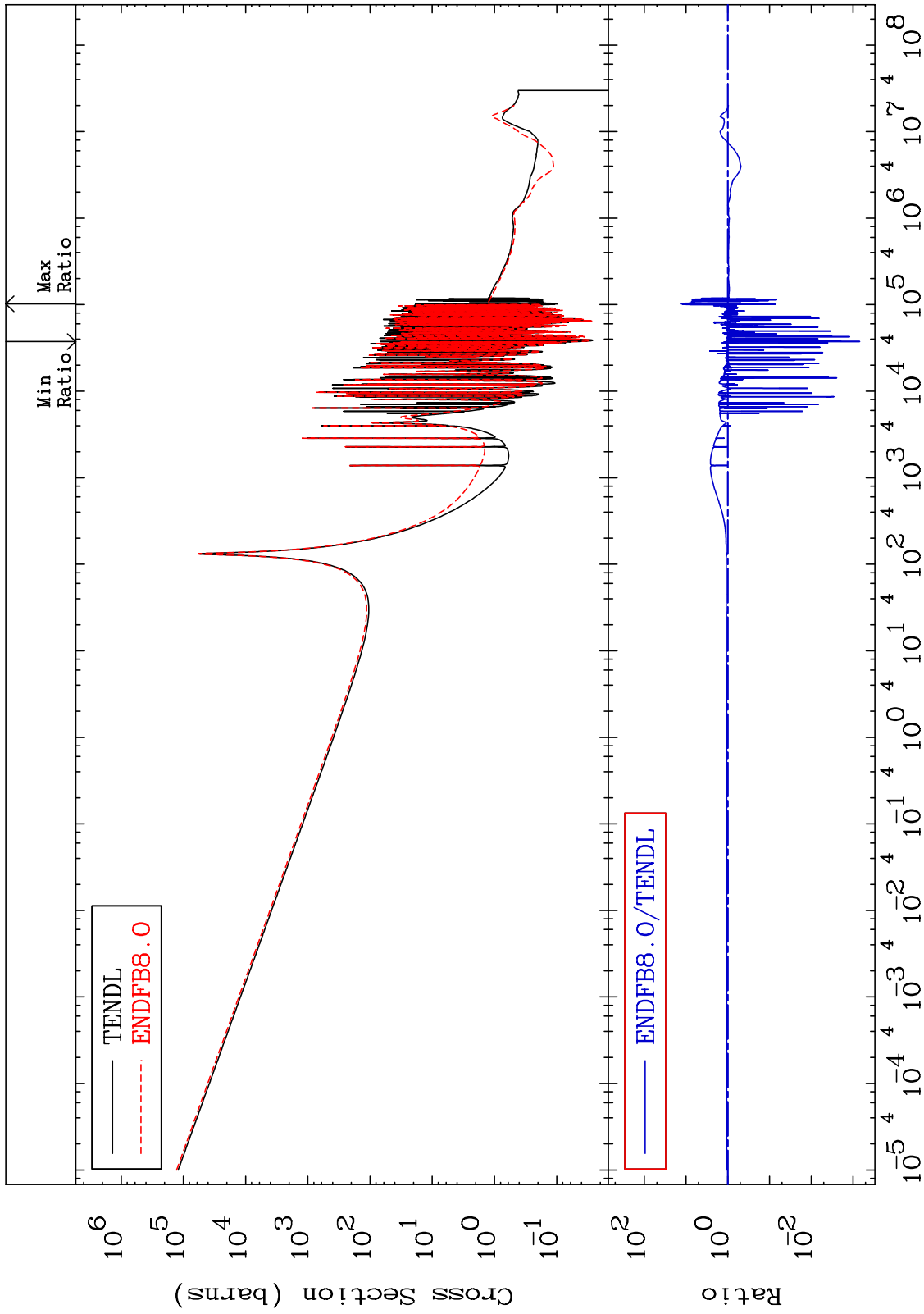
27-Co-59  
-65.02 To 82.83 %



MAT 2725

Kerma capture (mt102)  
Cross Section

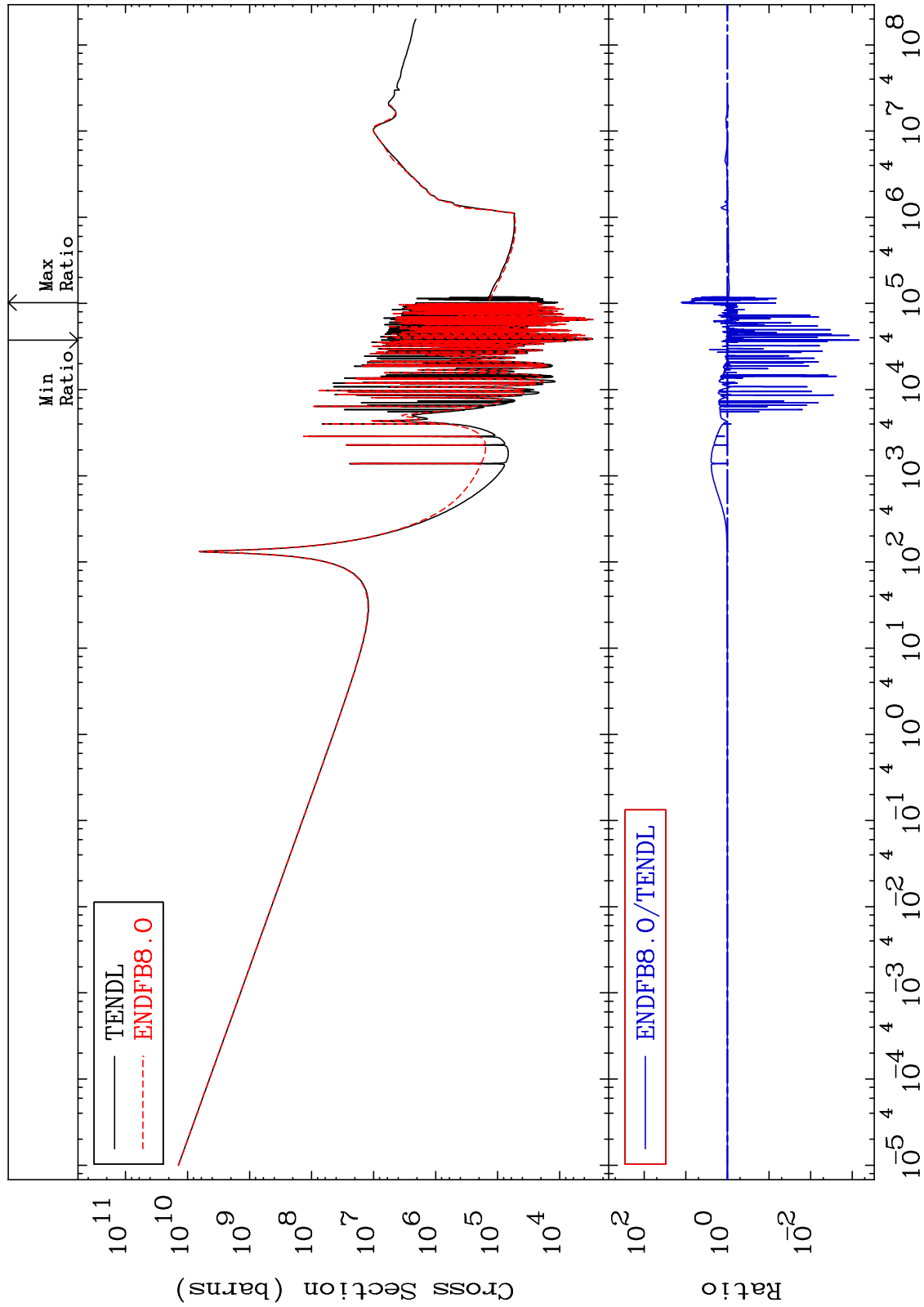
27-Co-59  
-99.93 To 1231. %



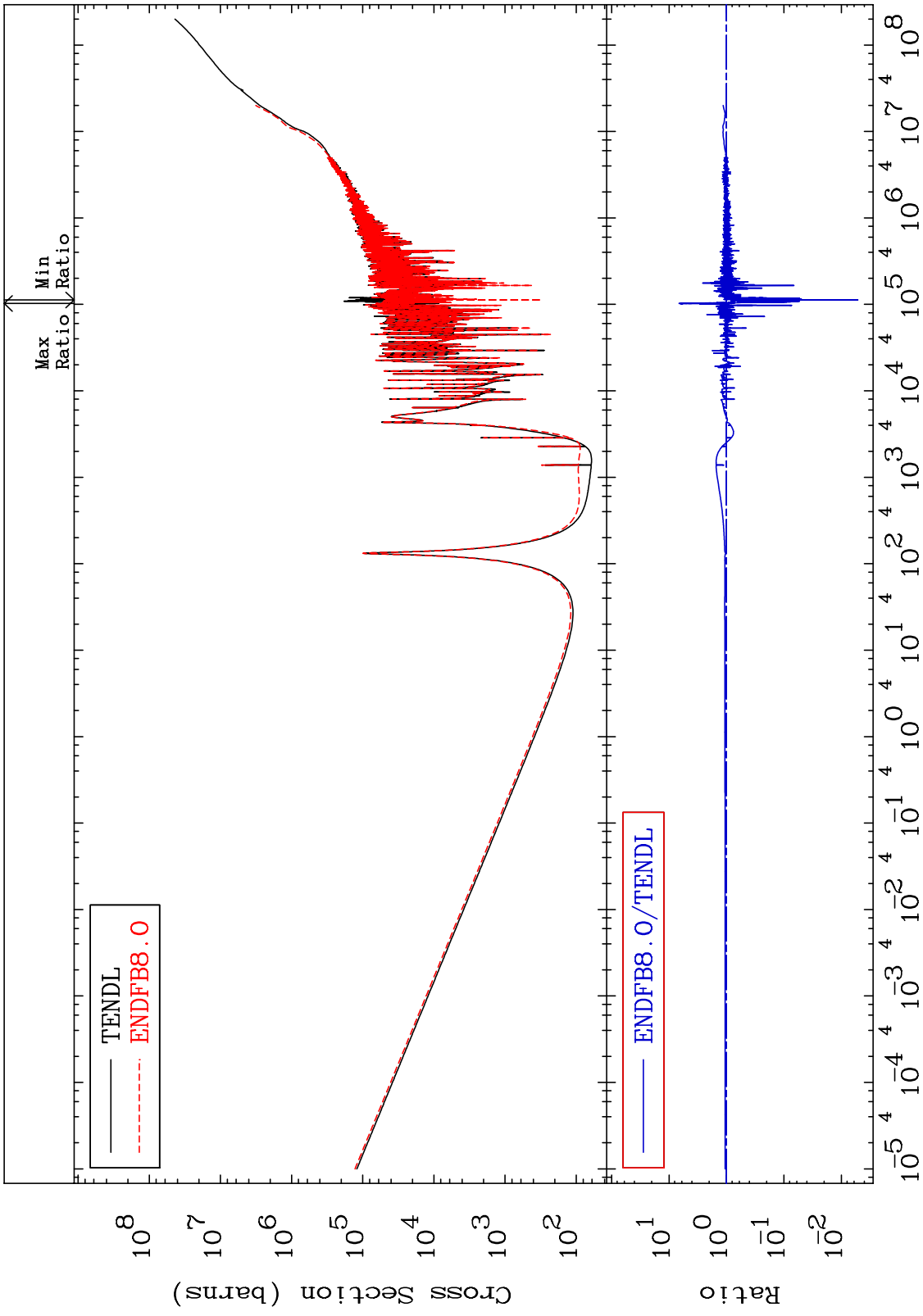
MAT 2725

Total photon (eV-barns)  
Cross Section

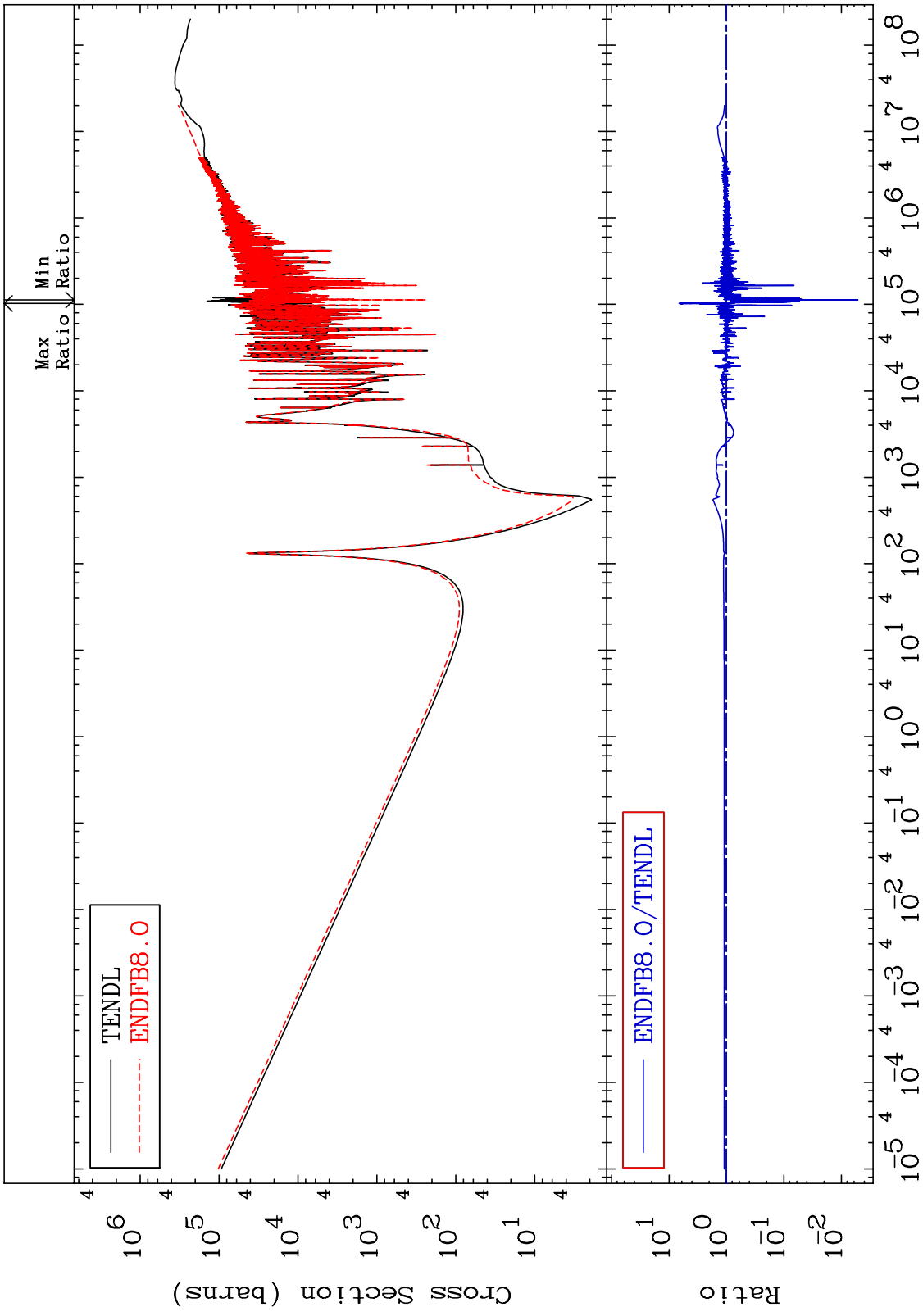
27-Co-59  
-99.93 To 1217. %



MAT 2725      Total kinematic kerma (high limit)      27-Co-59  
 Cross Section      -99.48 To 569.9 %



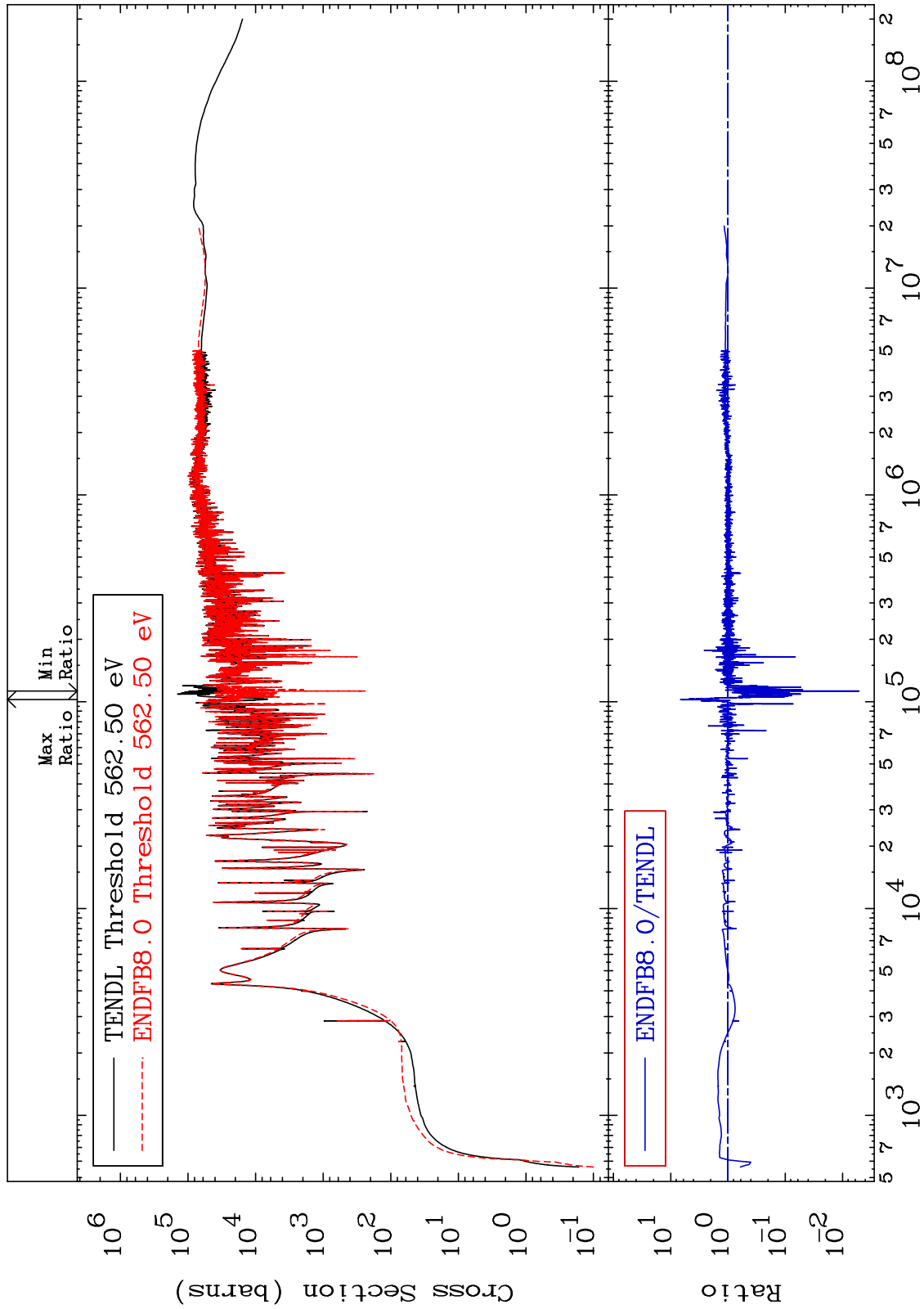
MAT 2725      Dpa total (eV-barns)      27-Co-59  
 Cross Section      -99.48 To 569.9 %



MAT 2725

Dpa elastic (mt2)  
Cross Section

27-Co-59  
-99.48 To 569.8 %



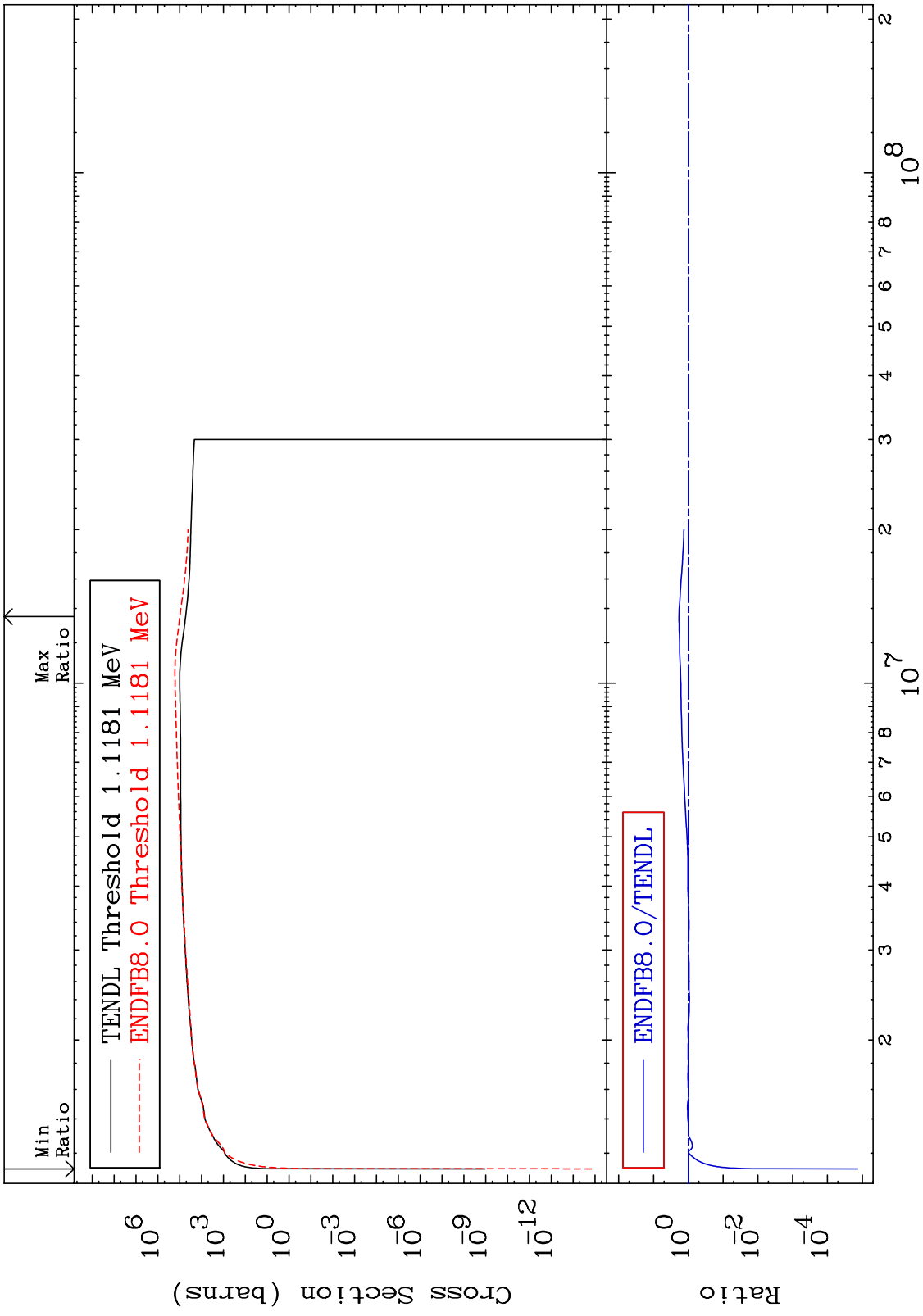
63

Incident Energy (eV)

27-Co-59



MAT 2725      Dpa inelastic (mt51-91)      27-Co-59  
 Cross Section      -100.0 To 84.85 %



MAT 2725

Dpa disappearance (mt102 -120)  
Cross Section

27-Co-59  
-99.93 To 1264. %

