

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

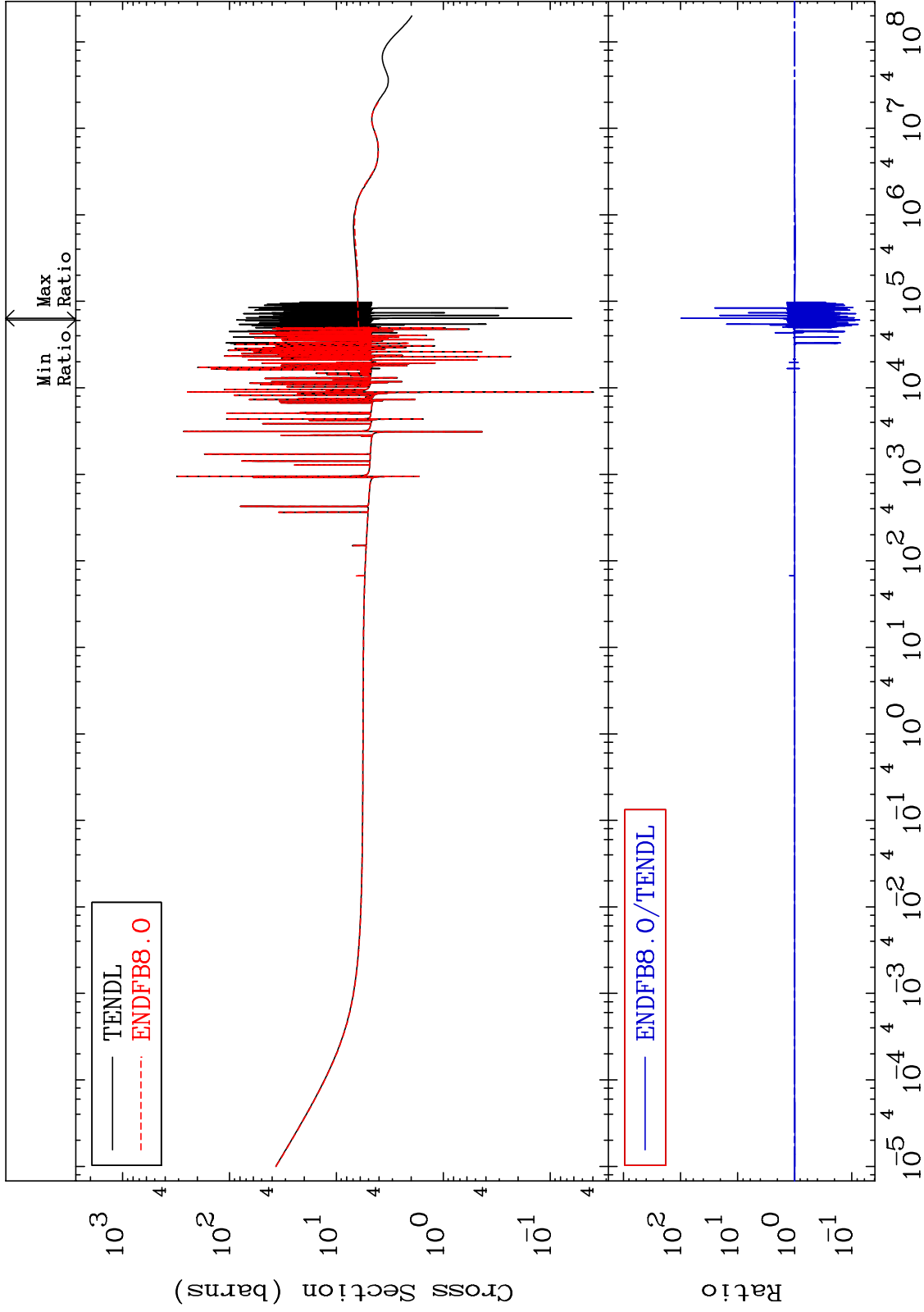
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5049

Total
Cross Section

50-Sn-120
-92.75 To 9773. %



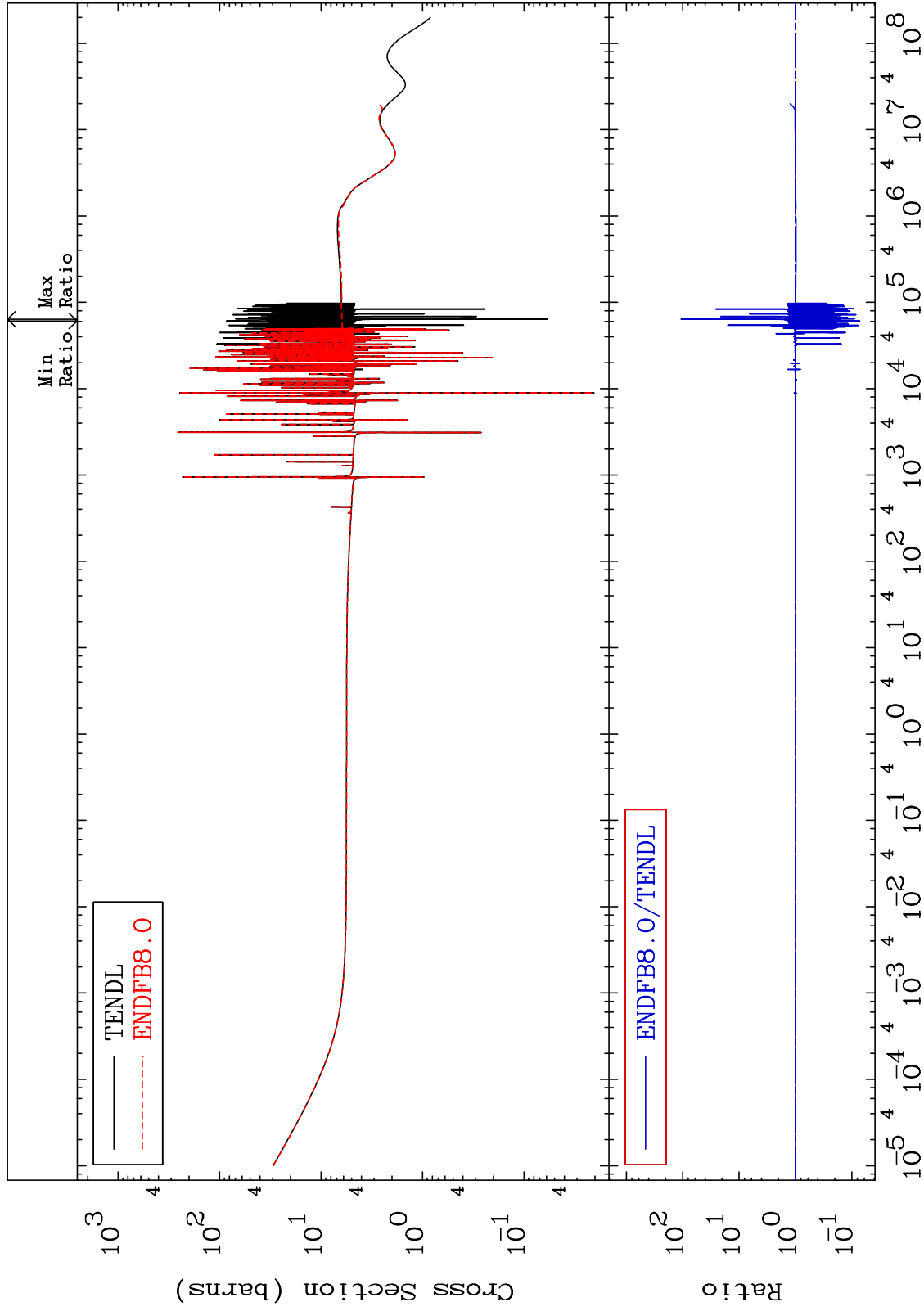
Incident Energy (eV)

50-Sn-120

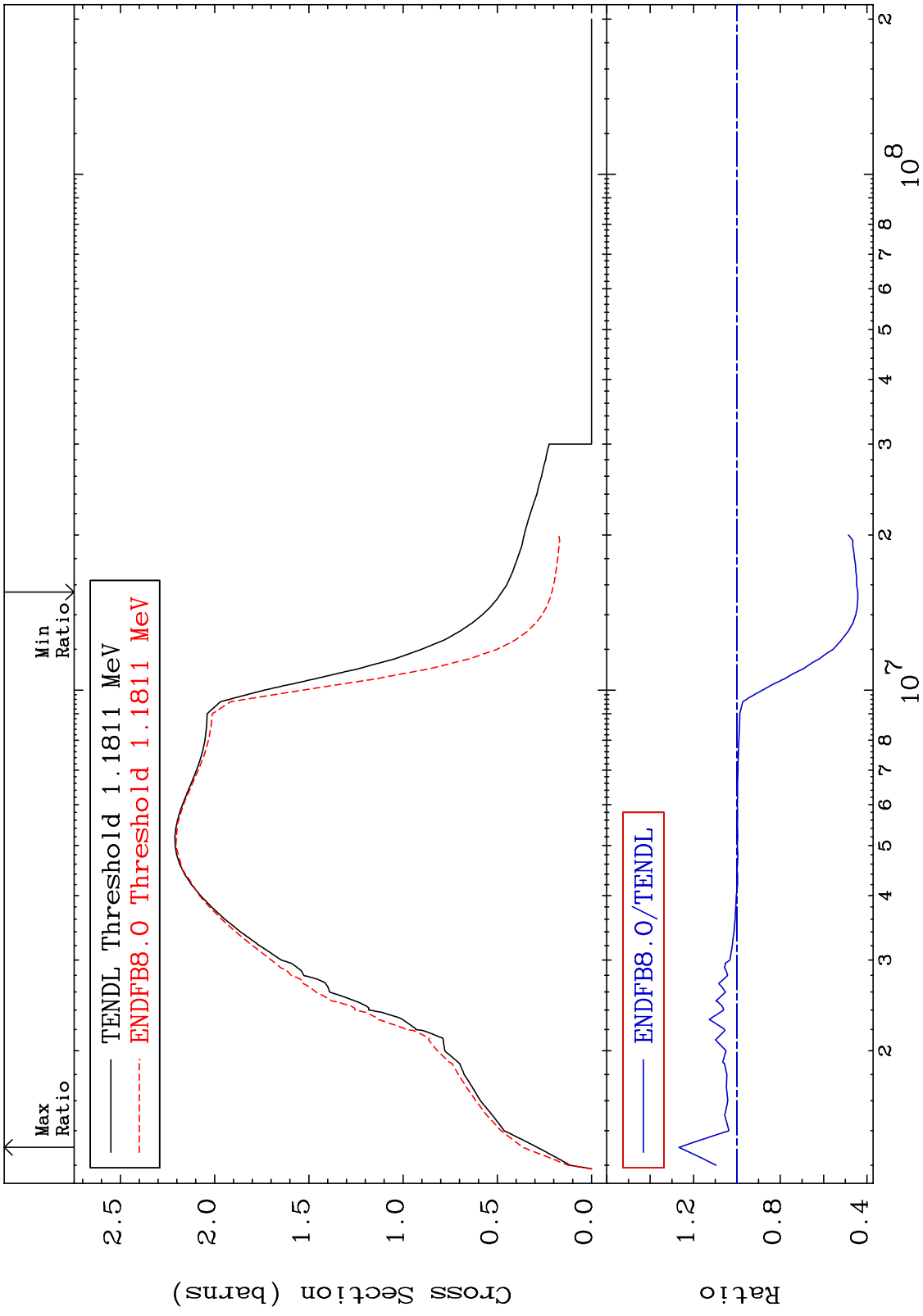
MAT 5049

Elastic
Cross Section

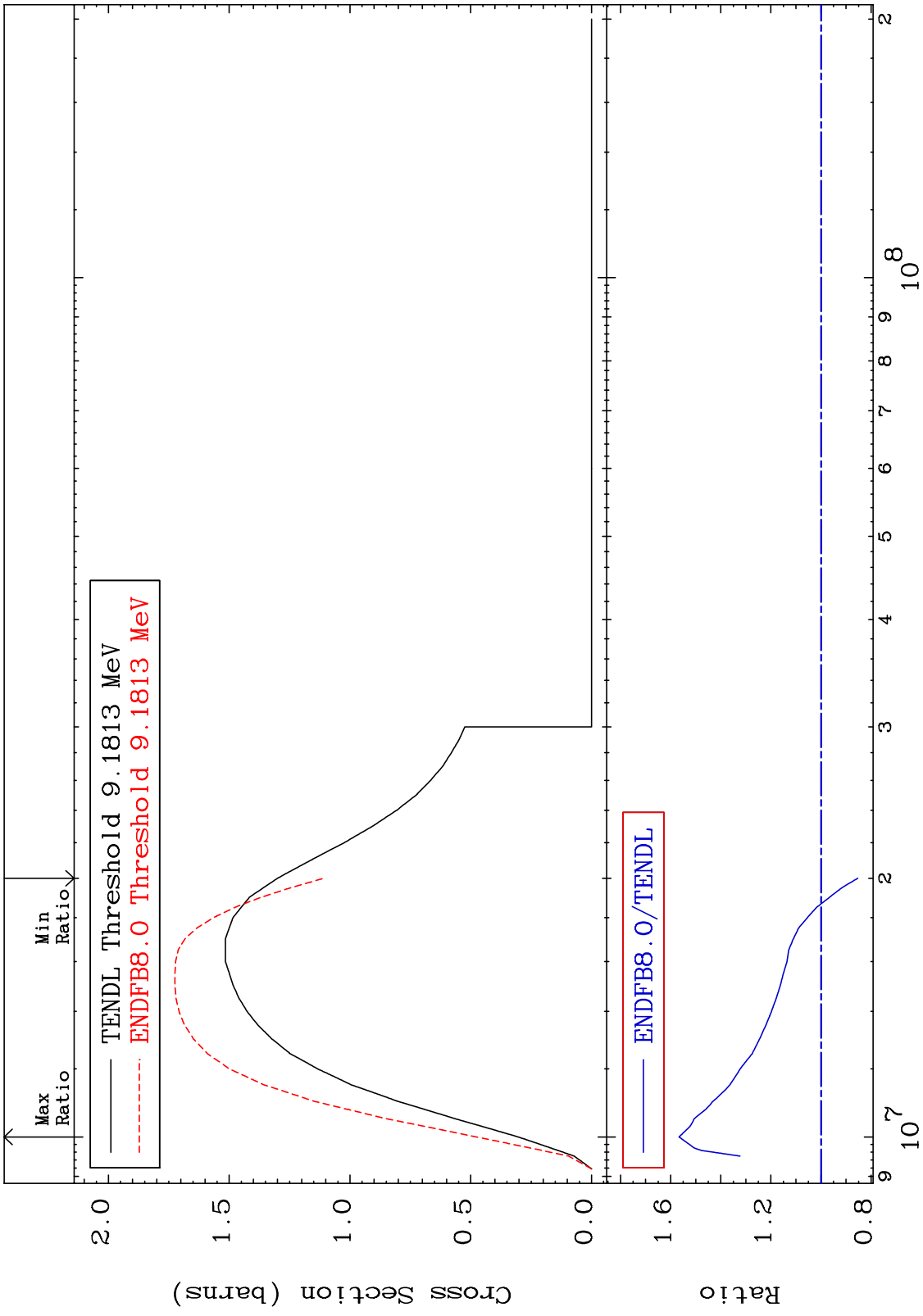
50-Sn-120
-92.77 To 9999. %



MAT 5049 Inelastic Cross Section 50-Sn-120 -55.77 To 26.70 %

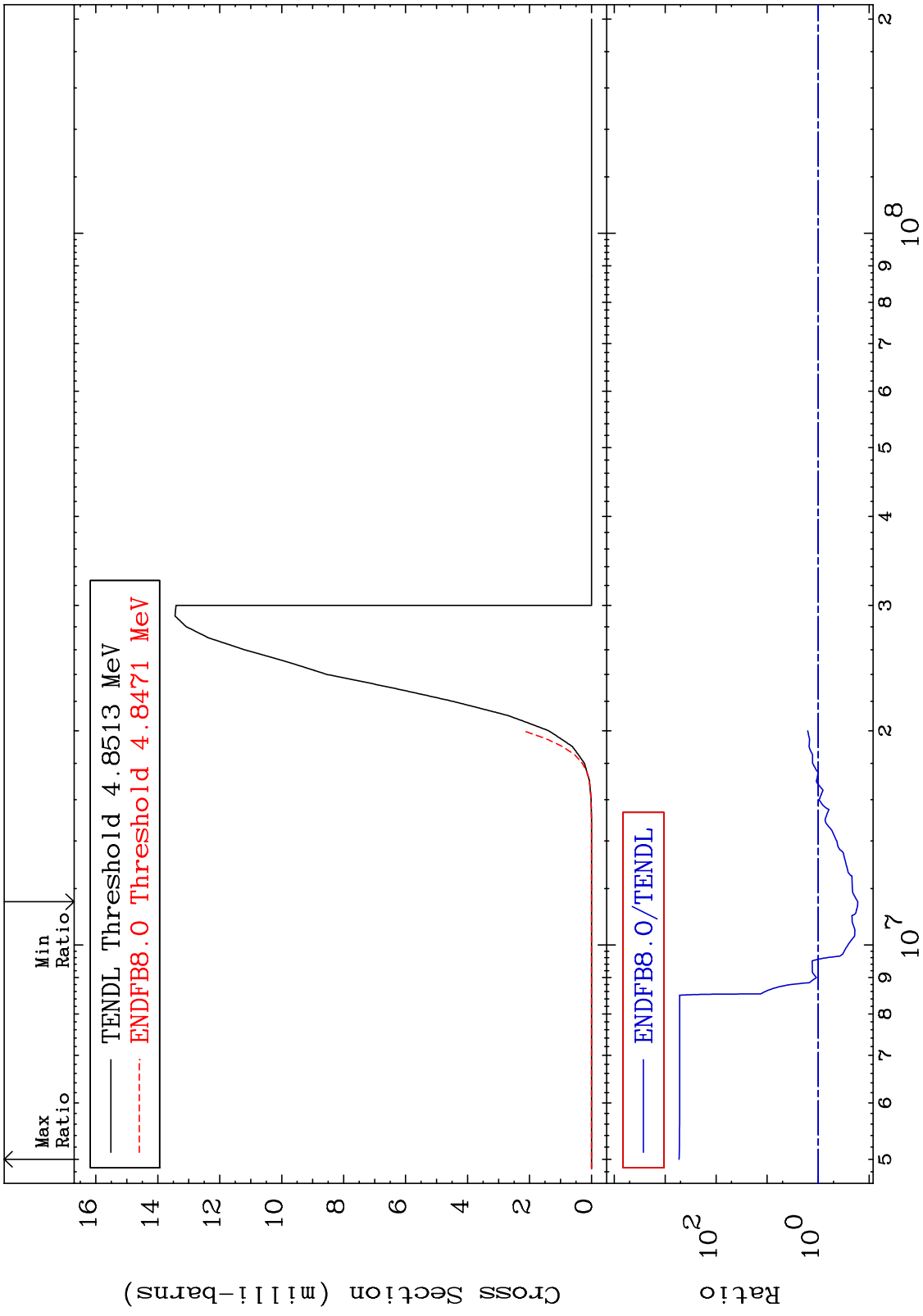


MAT 5049 (n,2n) Cross Section 50-Sn-120 -14.70 To 56.66 %

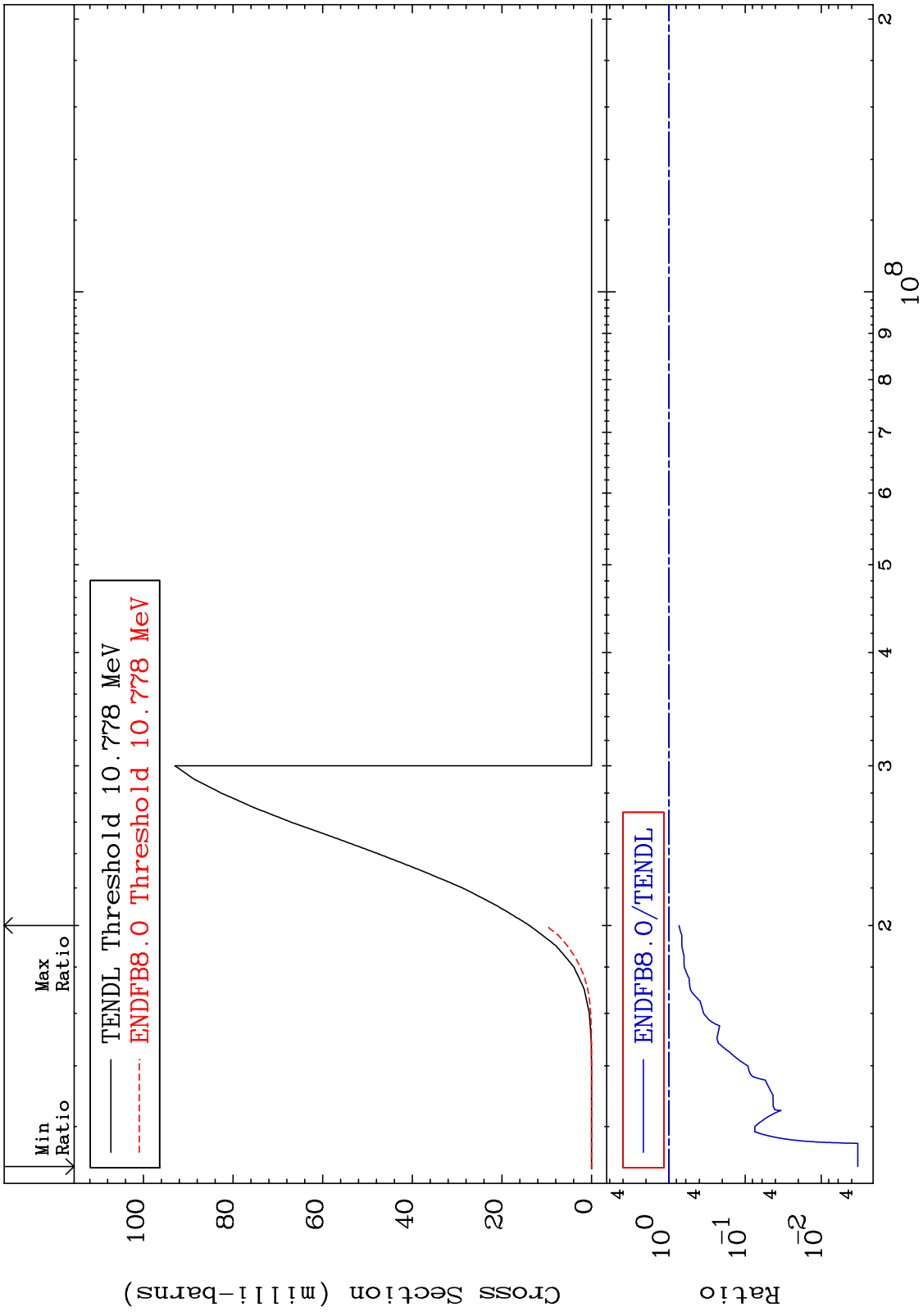


Incident Energy (eV) 50-Sn-120

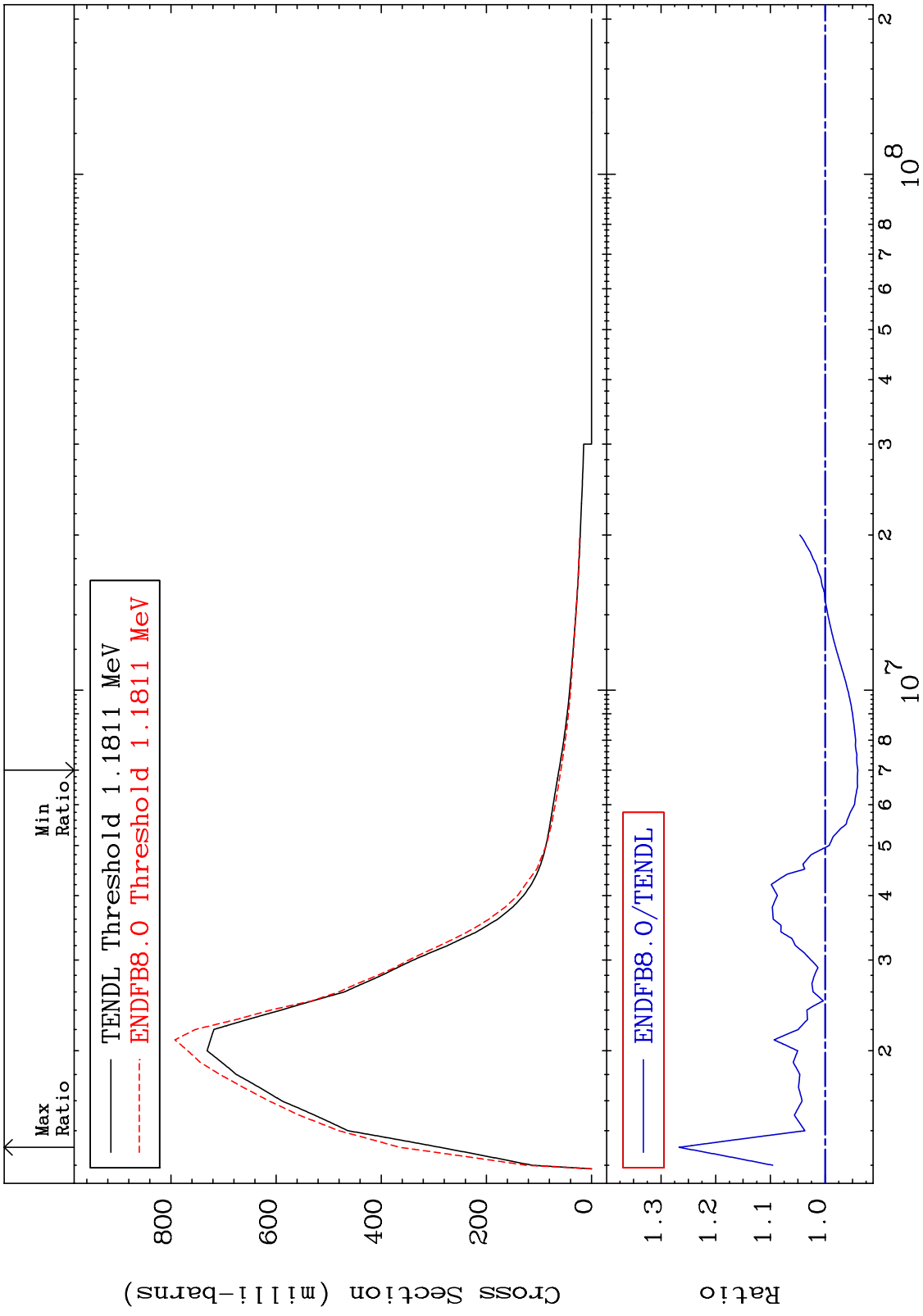
MAT 5049 $(n, n') \alpha$ 50-Sn-120
 Cross Section -83.34 To 9999. %



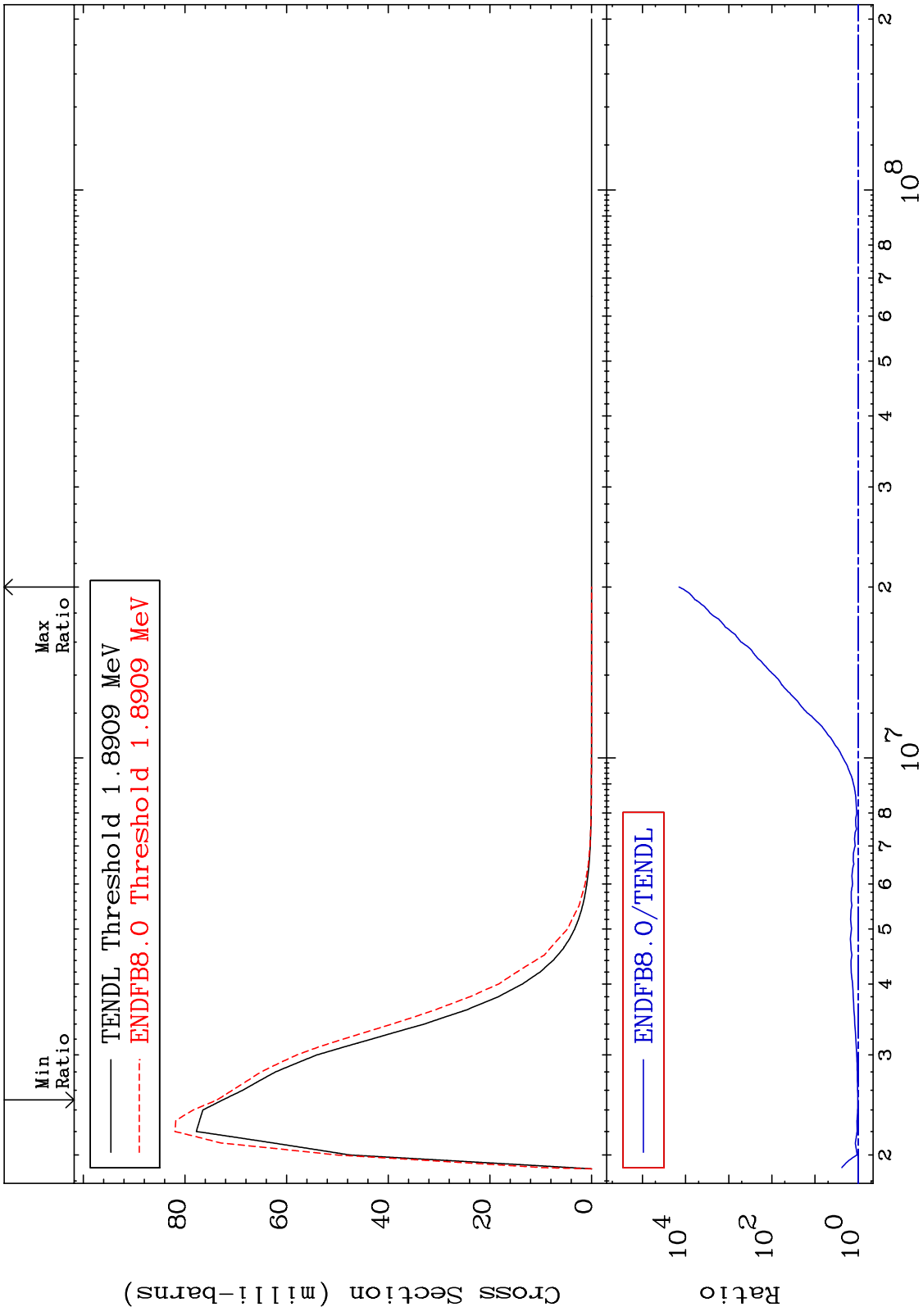
MAT 5049 (n, n') p 50-Sn-120 -99.67 To -26.41%
 Cross Section



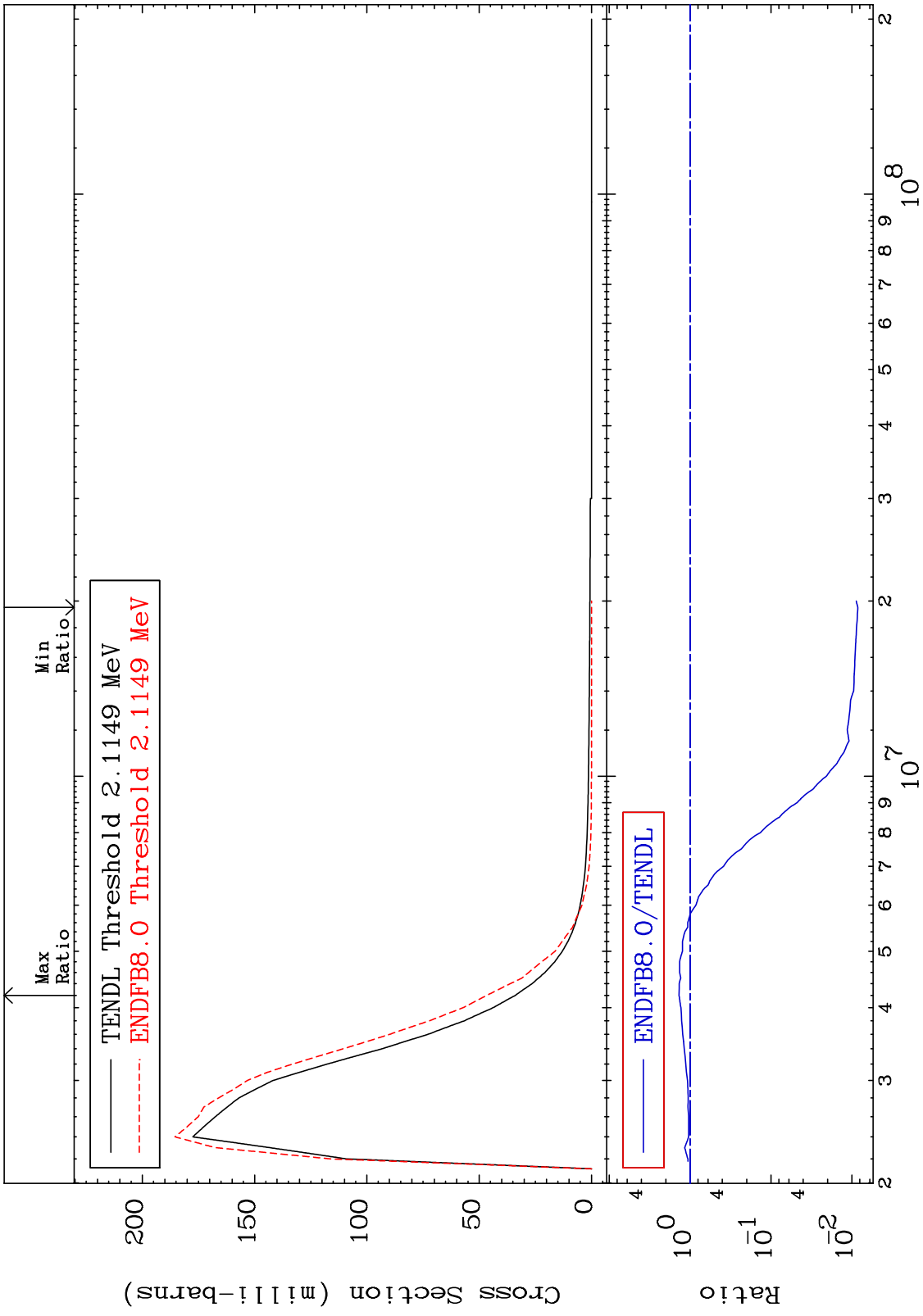
MAT 5049 MT= 51 (n,n') Level Cross Section 50-Sn-120
 -5.971 To 26.70 %



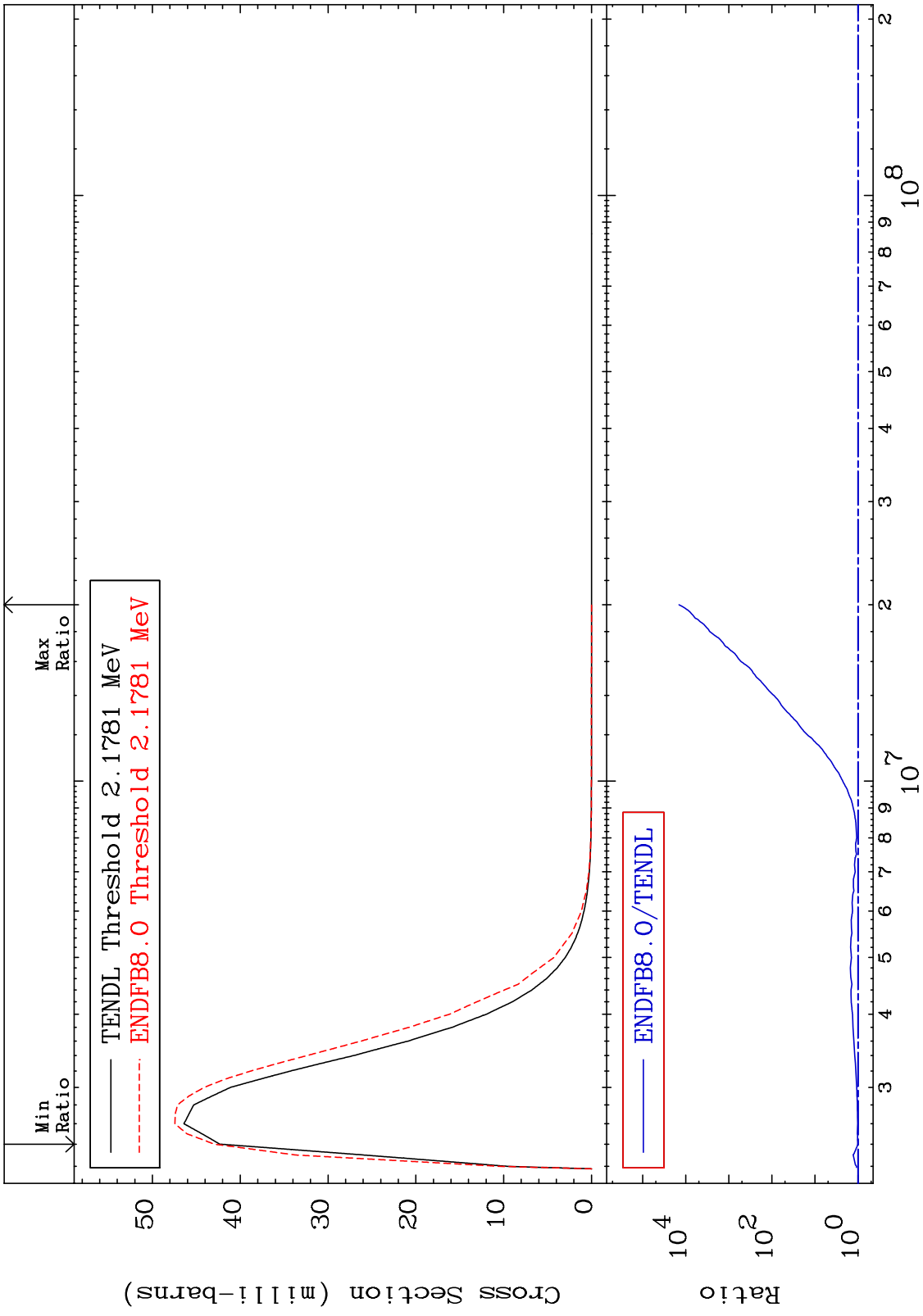
MAT 5049 MT= 52 (n,n') Level Cross Section 50-Sn-120 To 9999. %
1.562



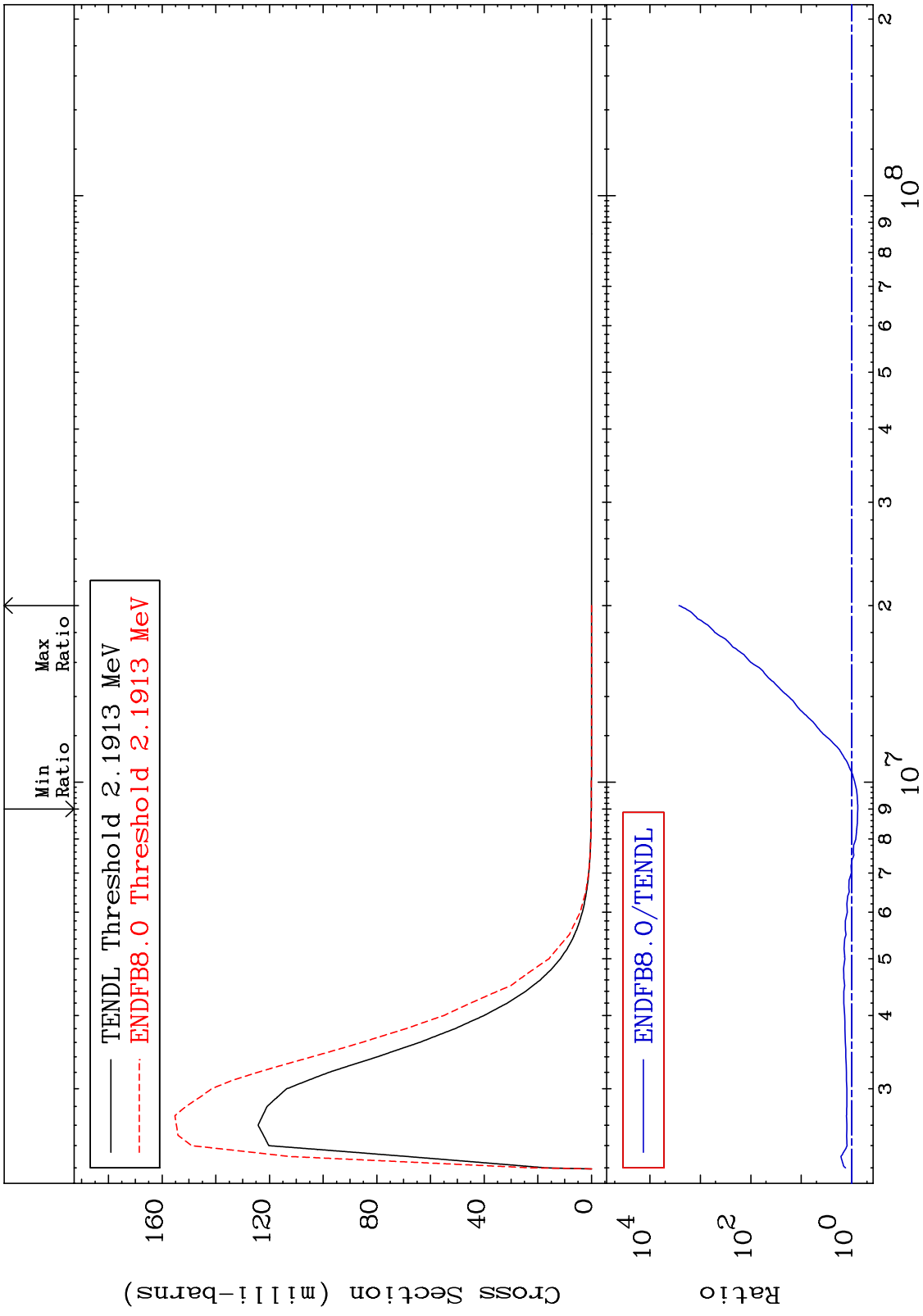
MAT 5049 MT= 53 (n,n') Level Cross Section 50-Sn-120
 -99.16 To 37.24 %



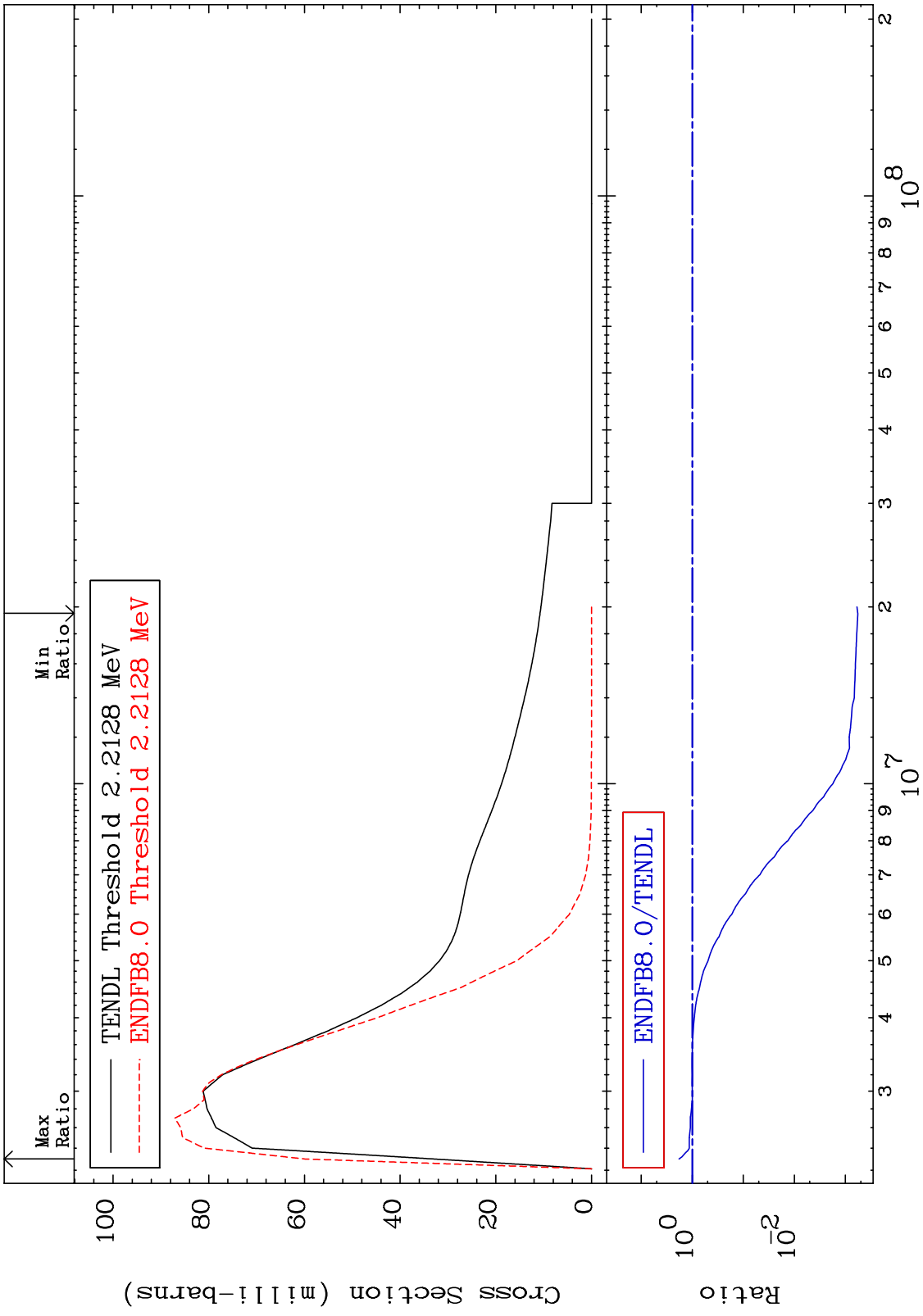
MAT 5049 MT= 54 (n,n') Level Cross Section 50-Sn-120 To 9999. %
 1.497



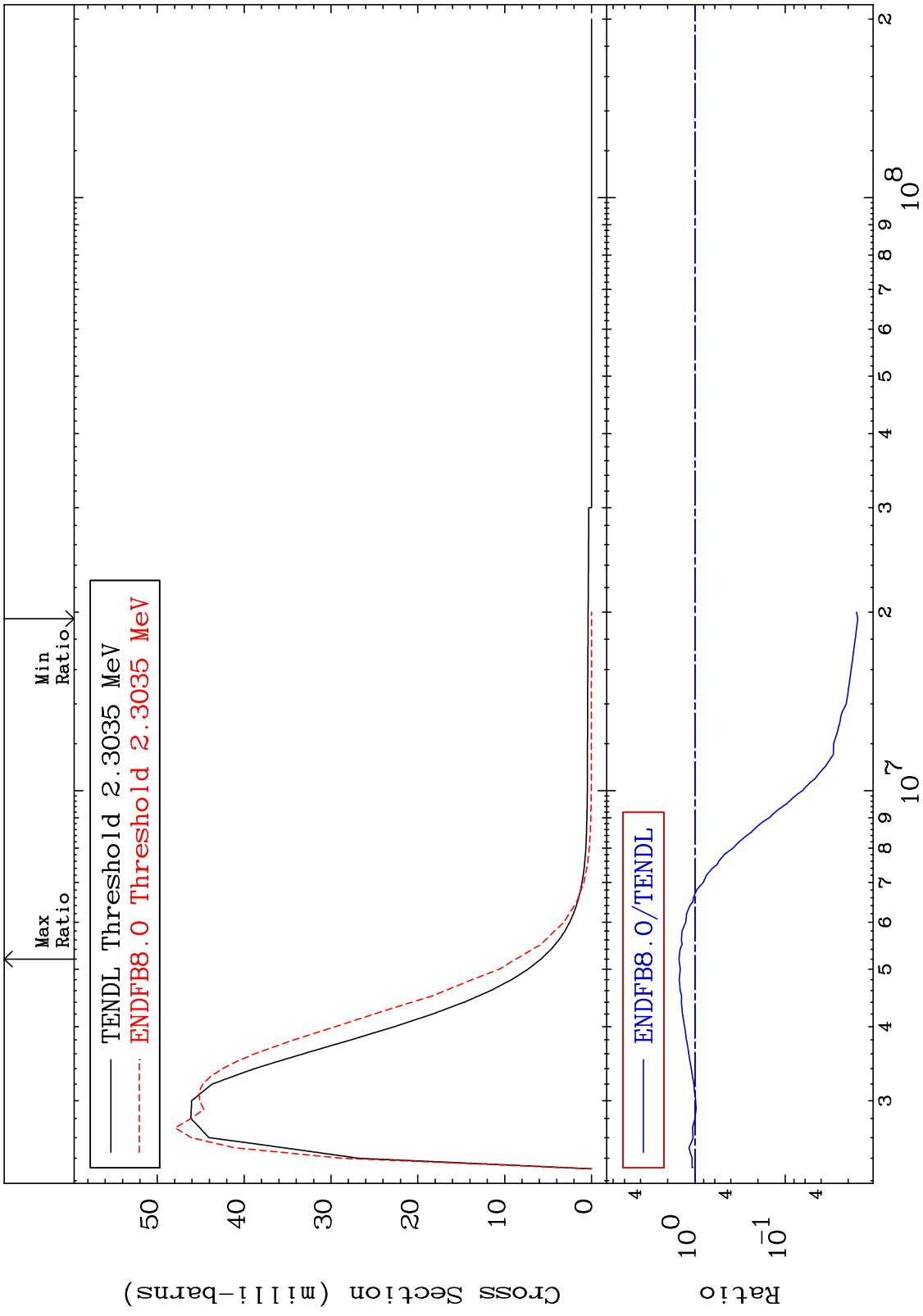
MAT 5049 MT= 55 (n,n') Level Cross Section 50-Sn-120
 -24.47 To 9999. %



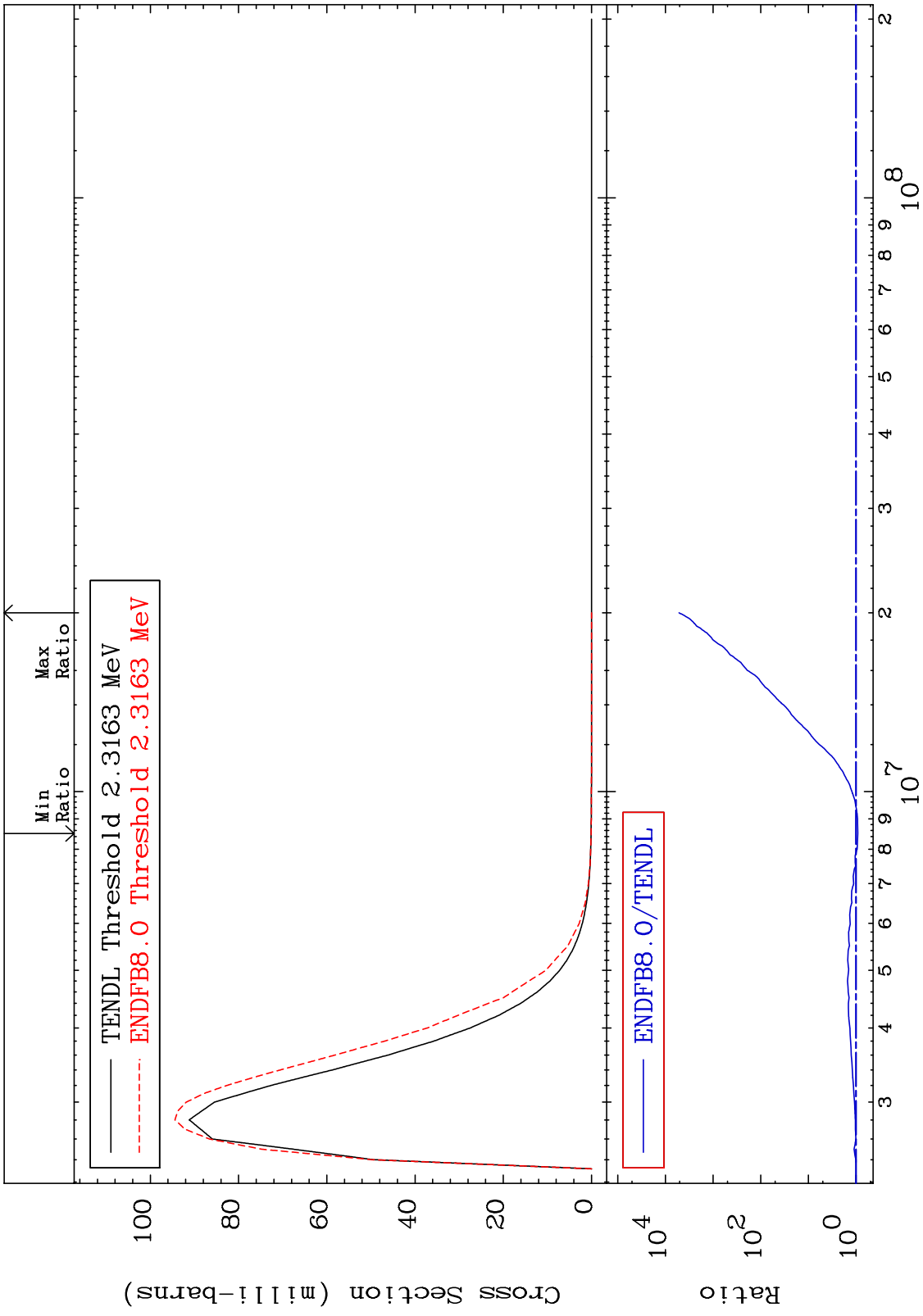
MAT 5049 MT= 56 (n,n') Level Cross Section 50-Sn-120
 -99.94 To 81.68 %



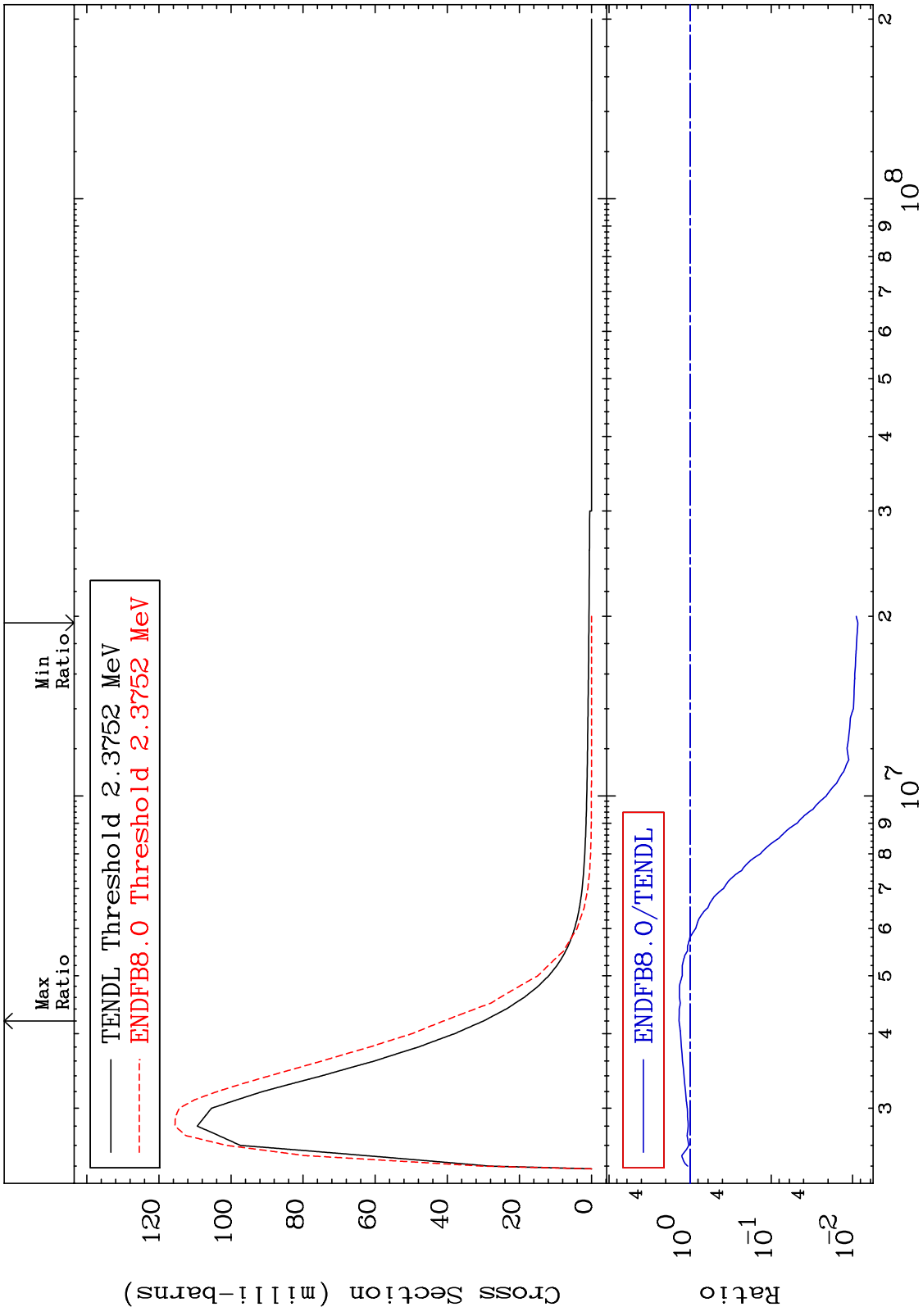
MAT 5049 MT= 57 (n,n') Level Cross Section 50-Sn-120
 -98.43 To 49.60 %



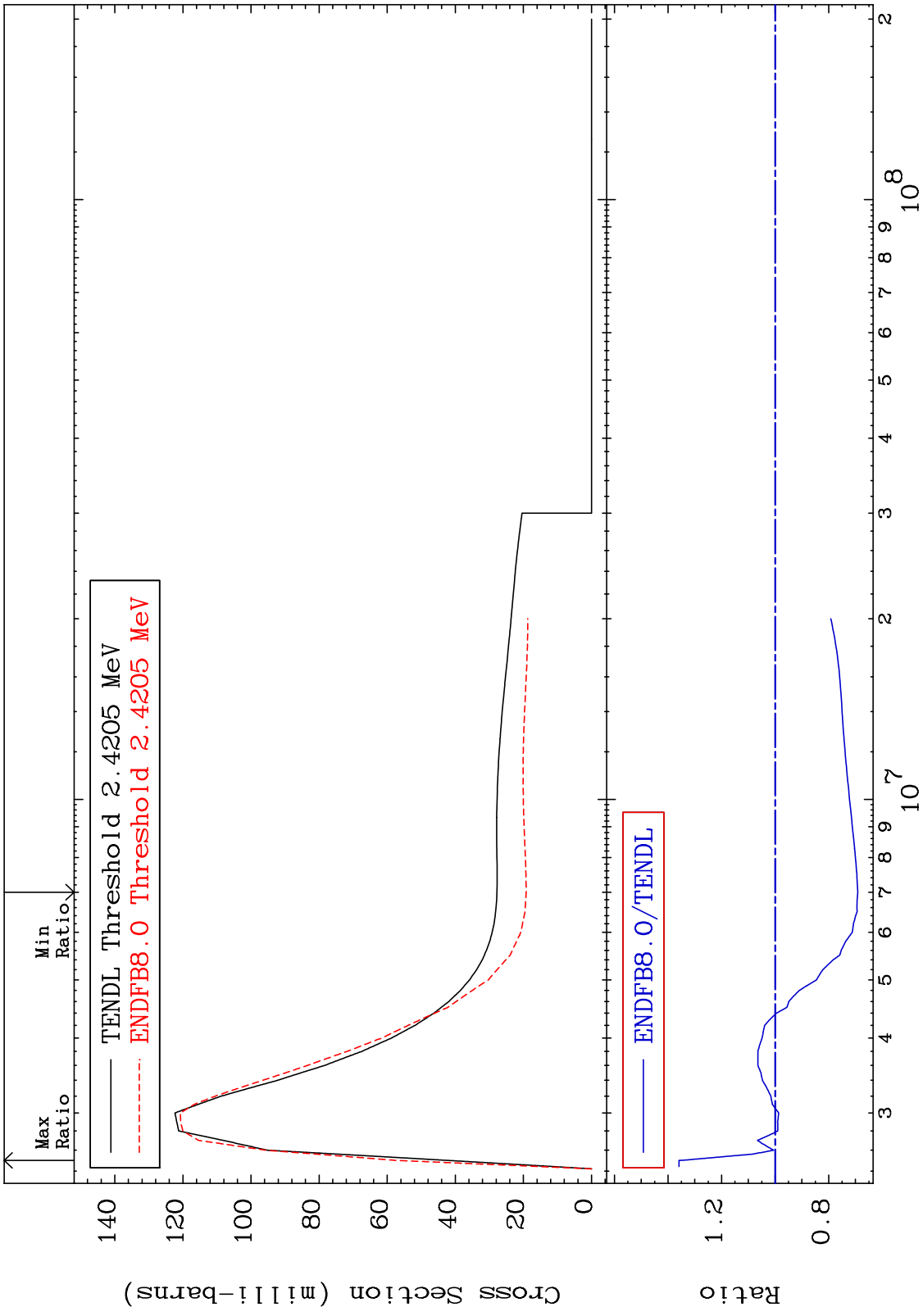
MAT 5049 MT= 58 (n,n') Level Cross Section 50-Sn-120
 -8.099 To 9999. %



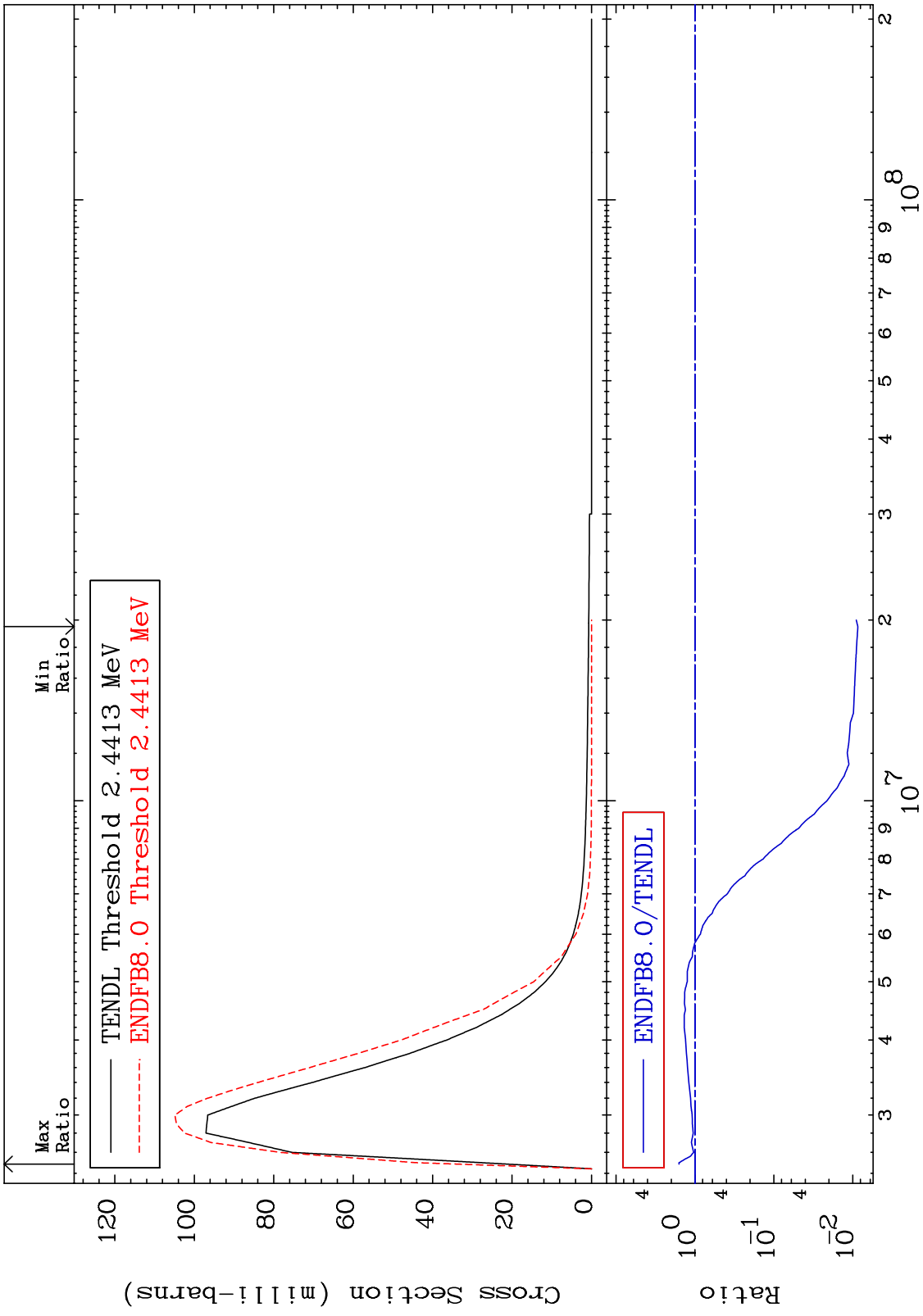
MAT 5049 MT= 59 (n,n') Level Cross Section 50-Sn-120
 -99.14 To 36.99 %



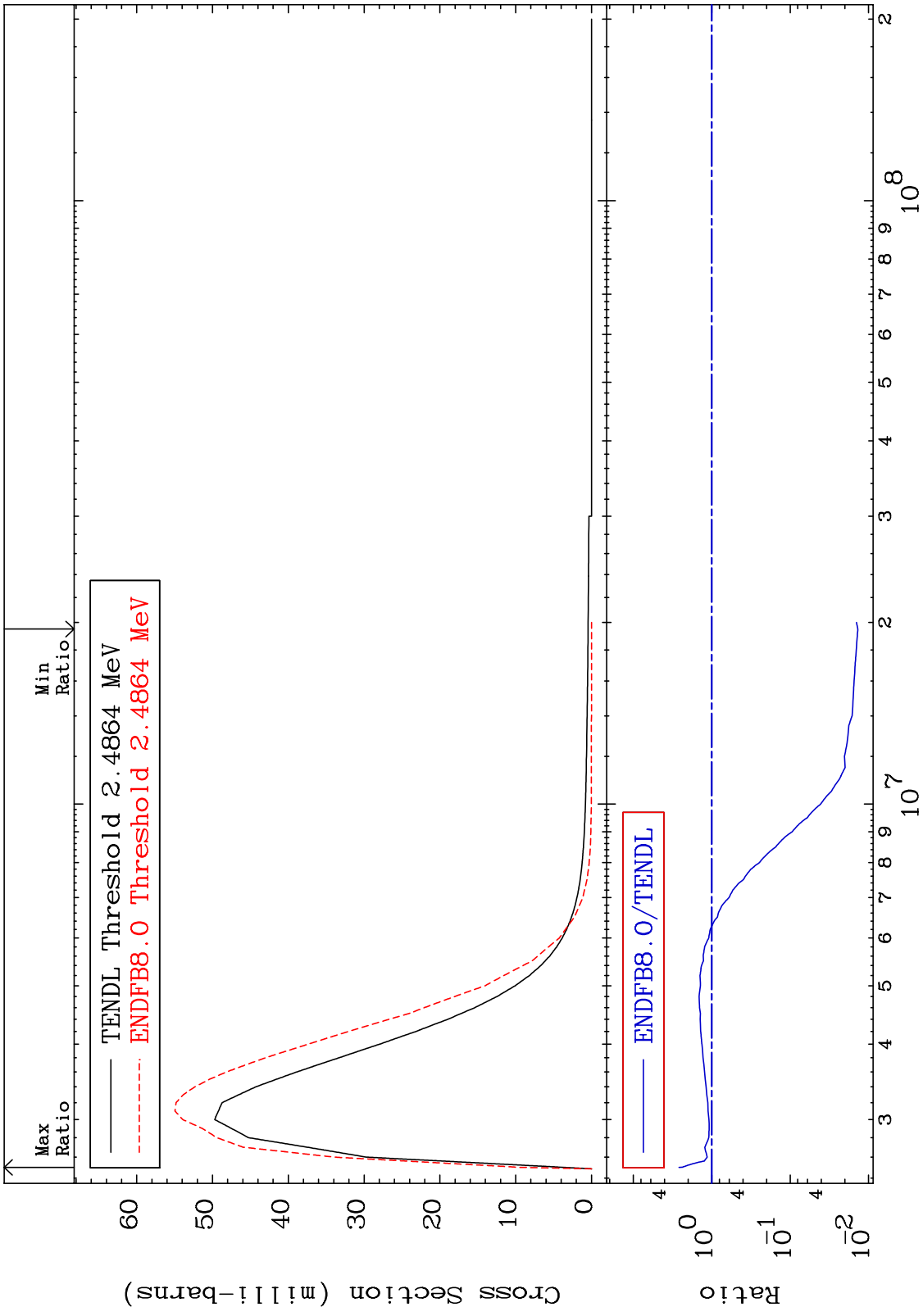
MAT 5049 MT= 60 (n,n') Level Cross Section 50-Sn-120 -30.89 To 35.89 %



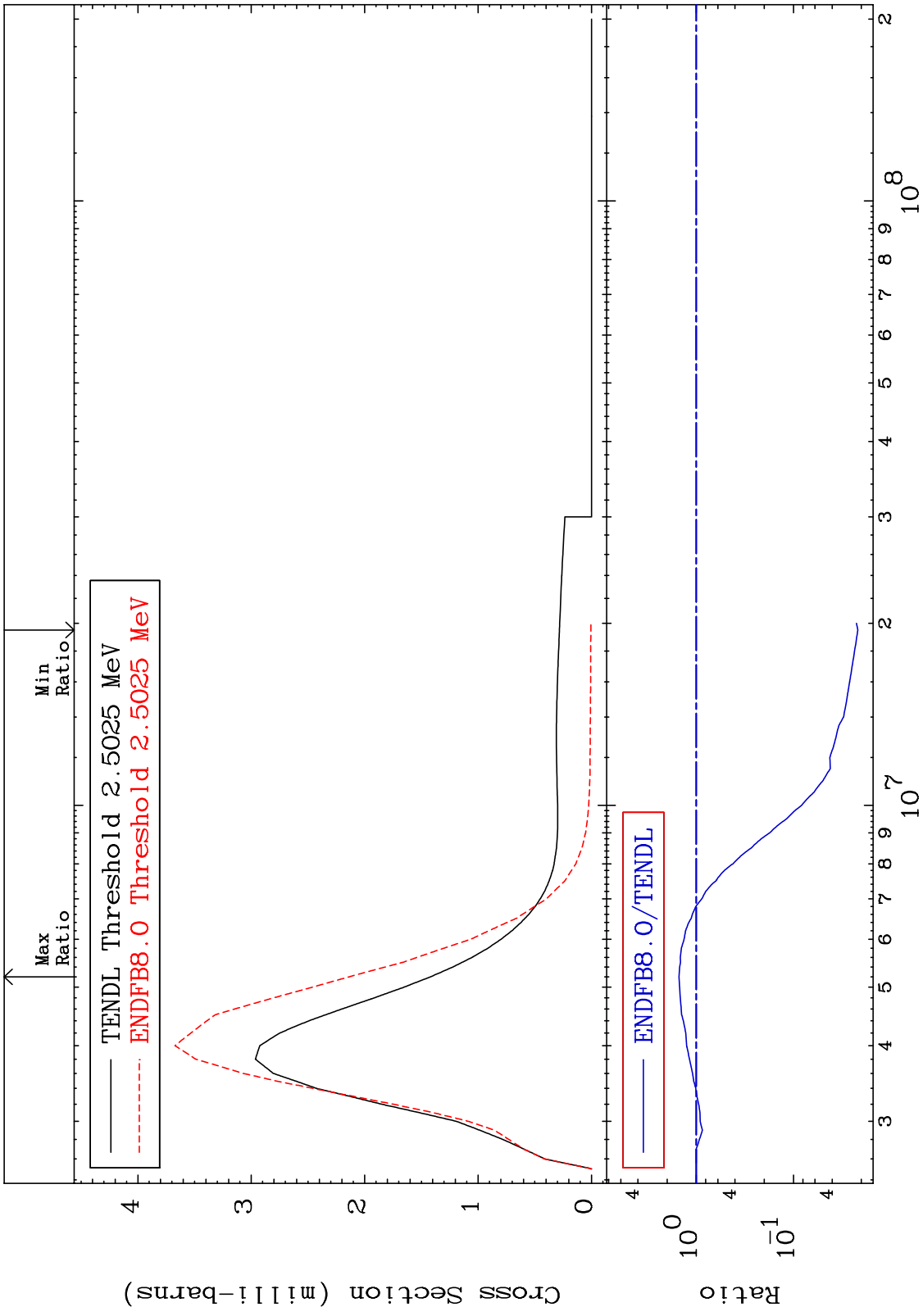
MAT 5049 MT= 61 (n,n') Level Cross Section 50-Sn-120
 -99.14 To 59.18 %



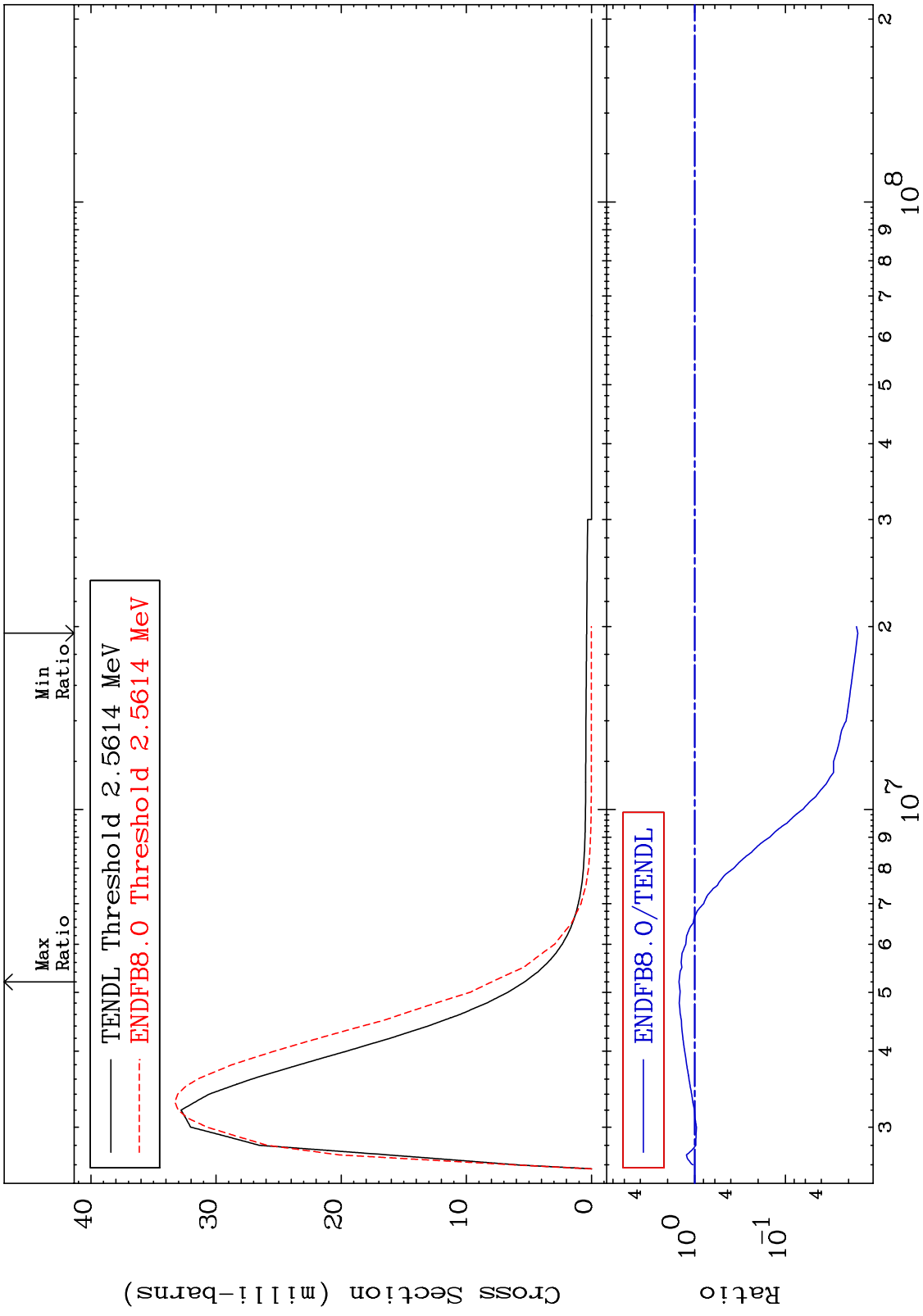
MAT 5049 MT= 62 (n,n') Level Cross Section 50-Sn-120
 -98.63 To 161.5 %



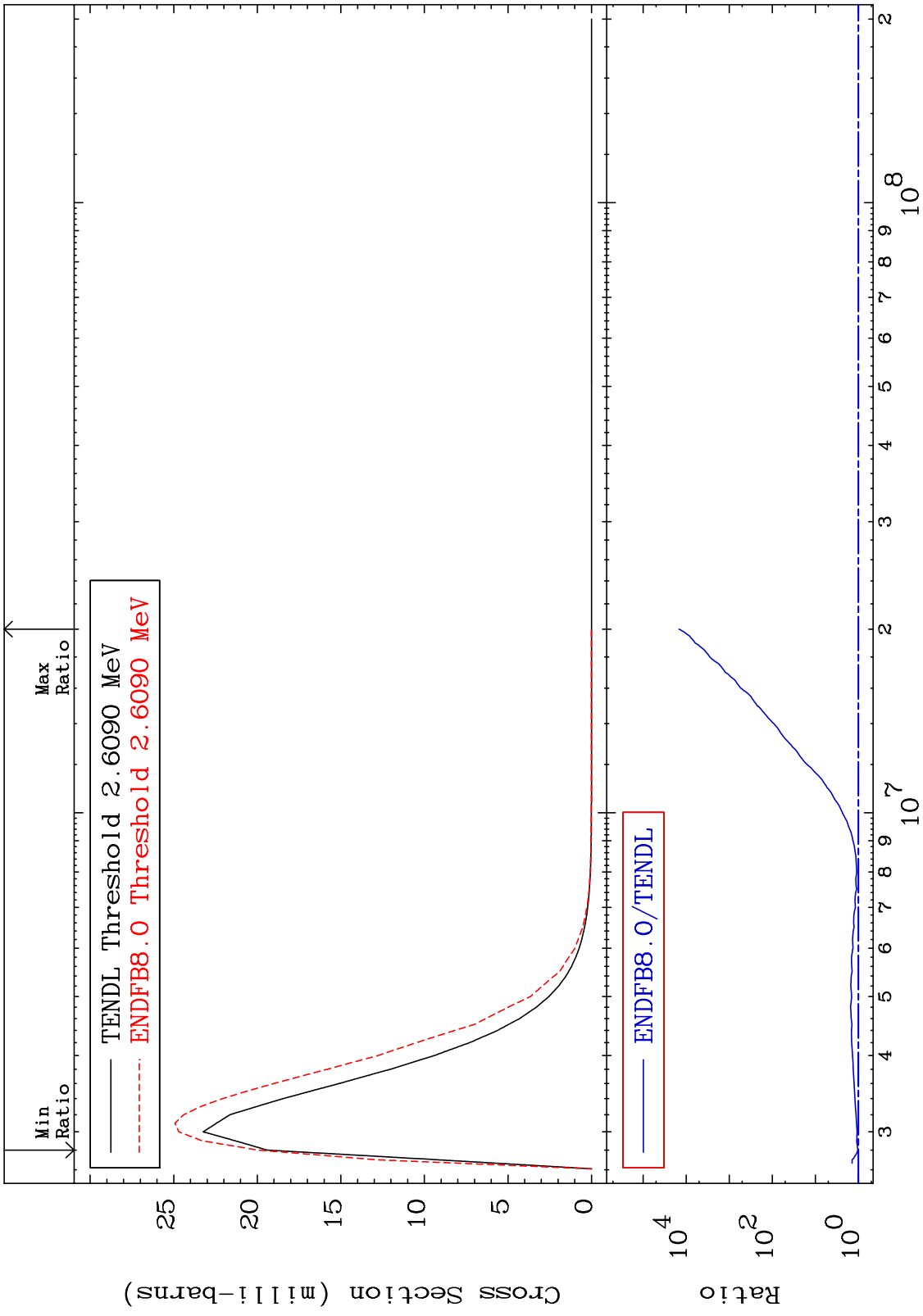
MAT 5049 MT= 63 (n,n') Level Cross Section 50-Sn-120
 -97.82 To 50.63 %



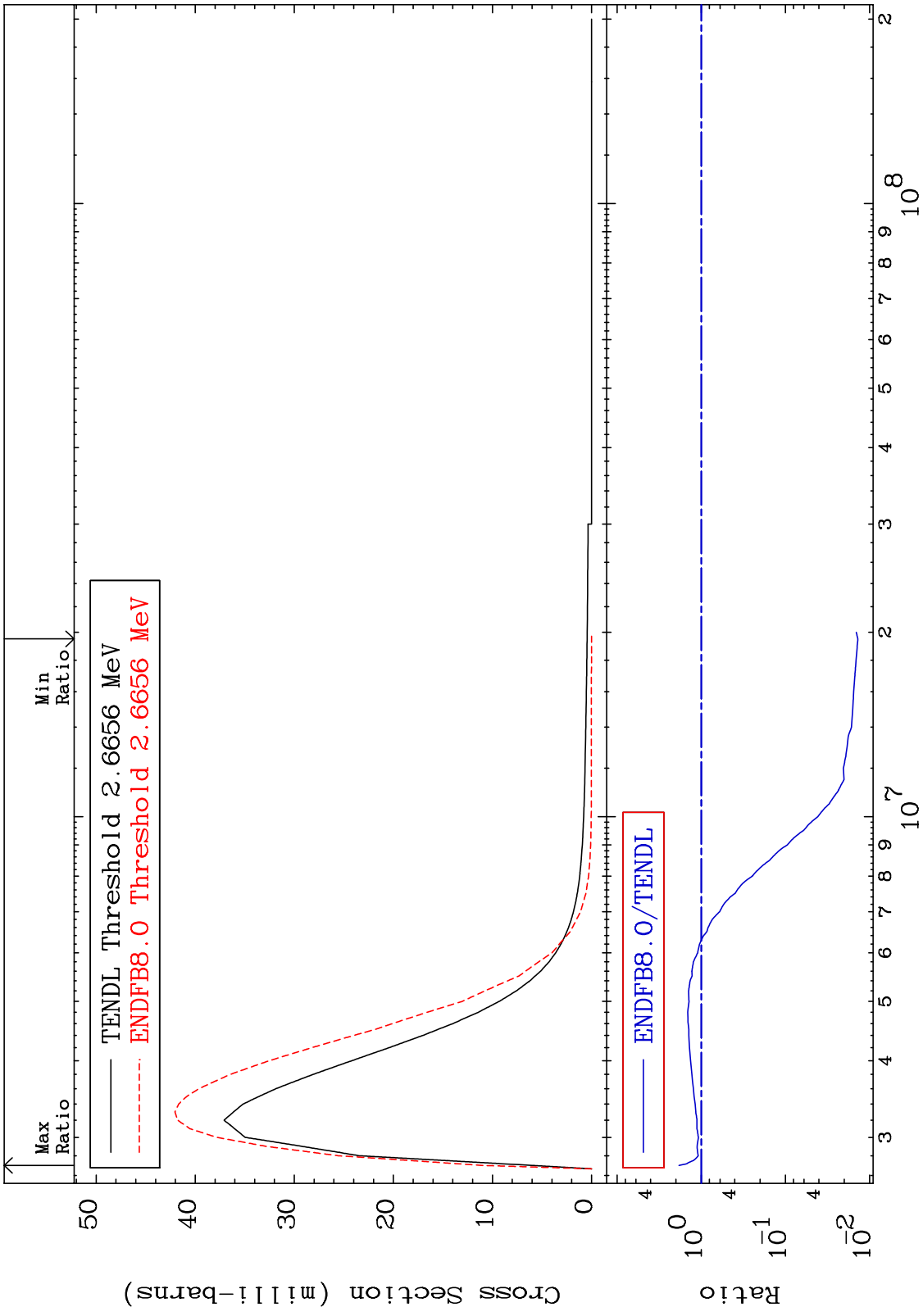
MAT 5049 MT= 64 (n,n') Level Cross Section 50-Sn-120
 -98.42 To 49.25 %



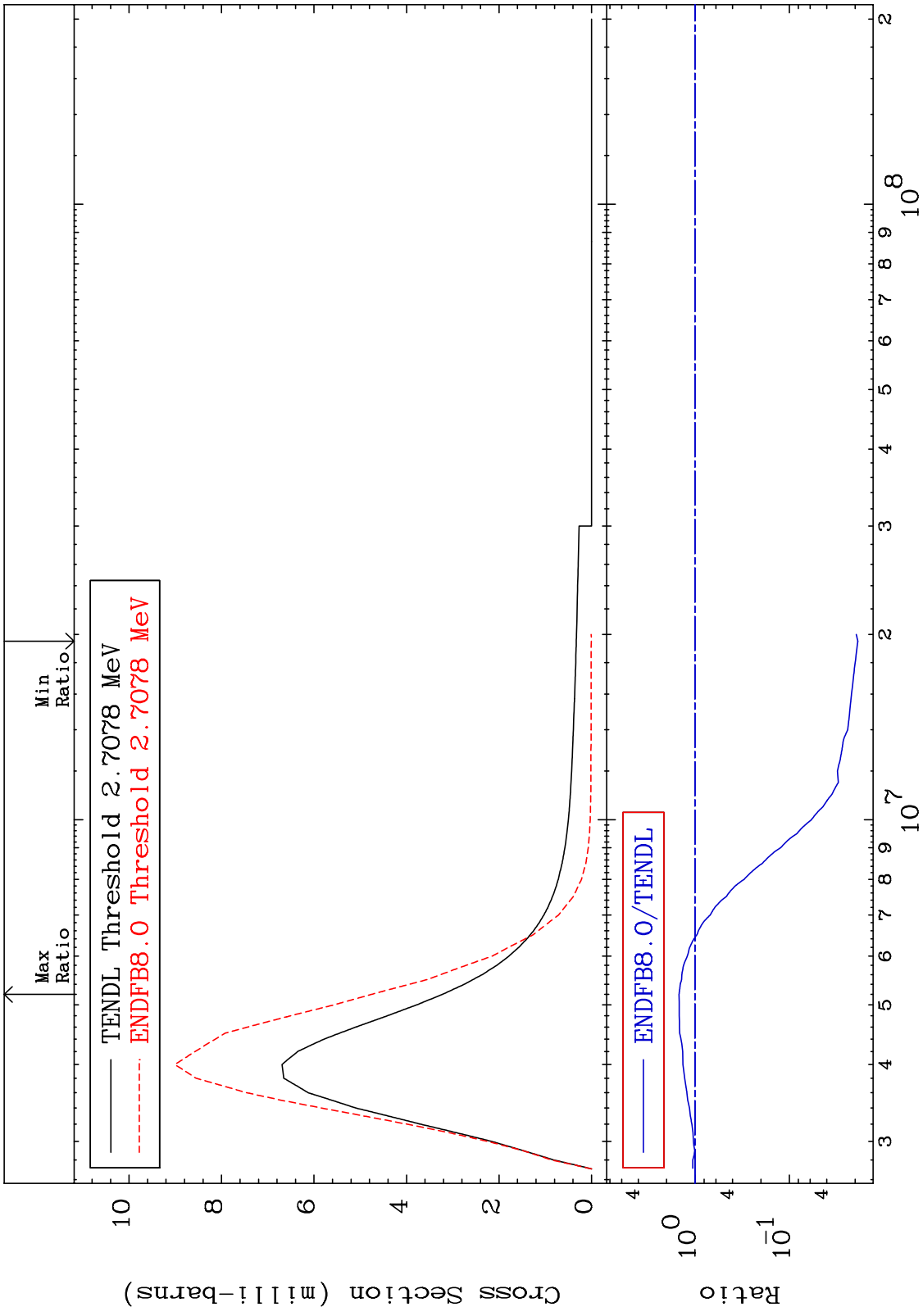
MAT 5049 MT= 65 (n,n') Level Cross Section 50-Sn-120 To 9999. %
 2.811



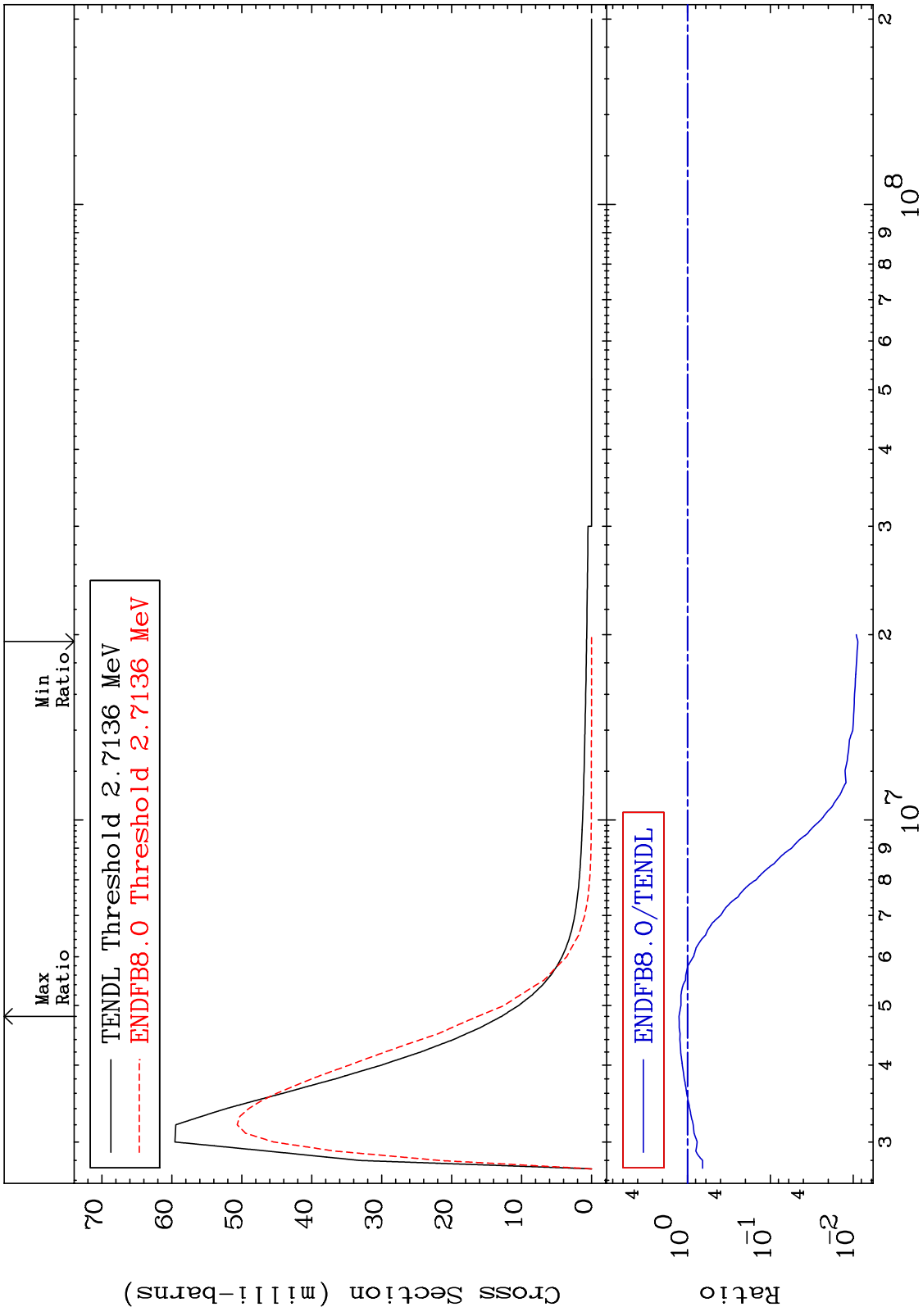
MAT 5049 MT= 66 (n,n') Level Cross Section 50-Sn-120
 -98.62 To 83.87 %



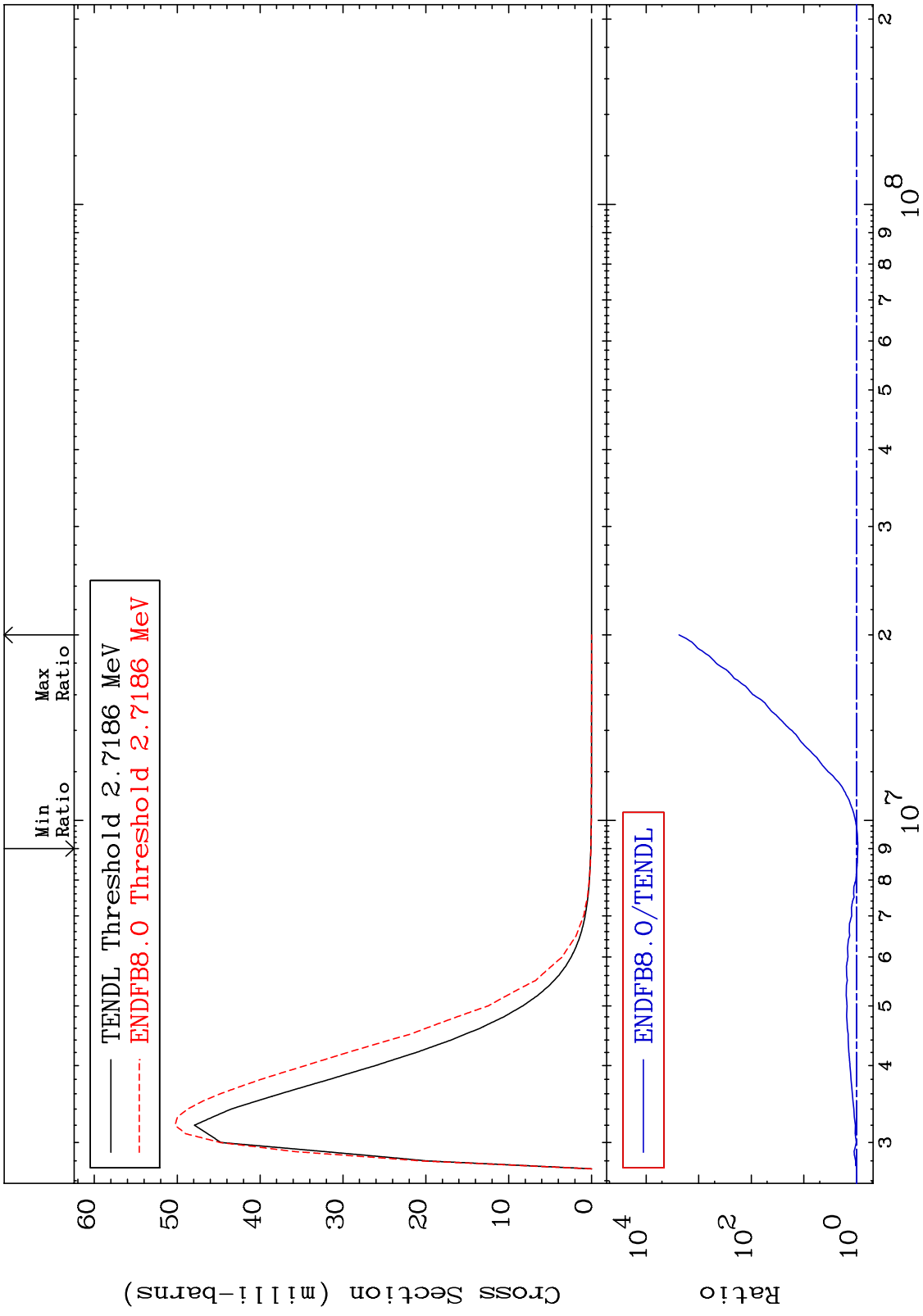
MAT 5049 MT= 67 (n,n') Level Cross Section 50-Sn-120
 -98.13 To 47.63 %



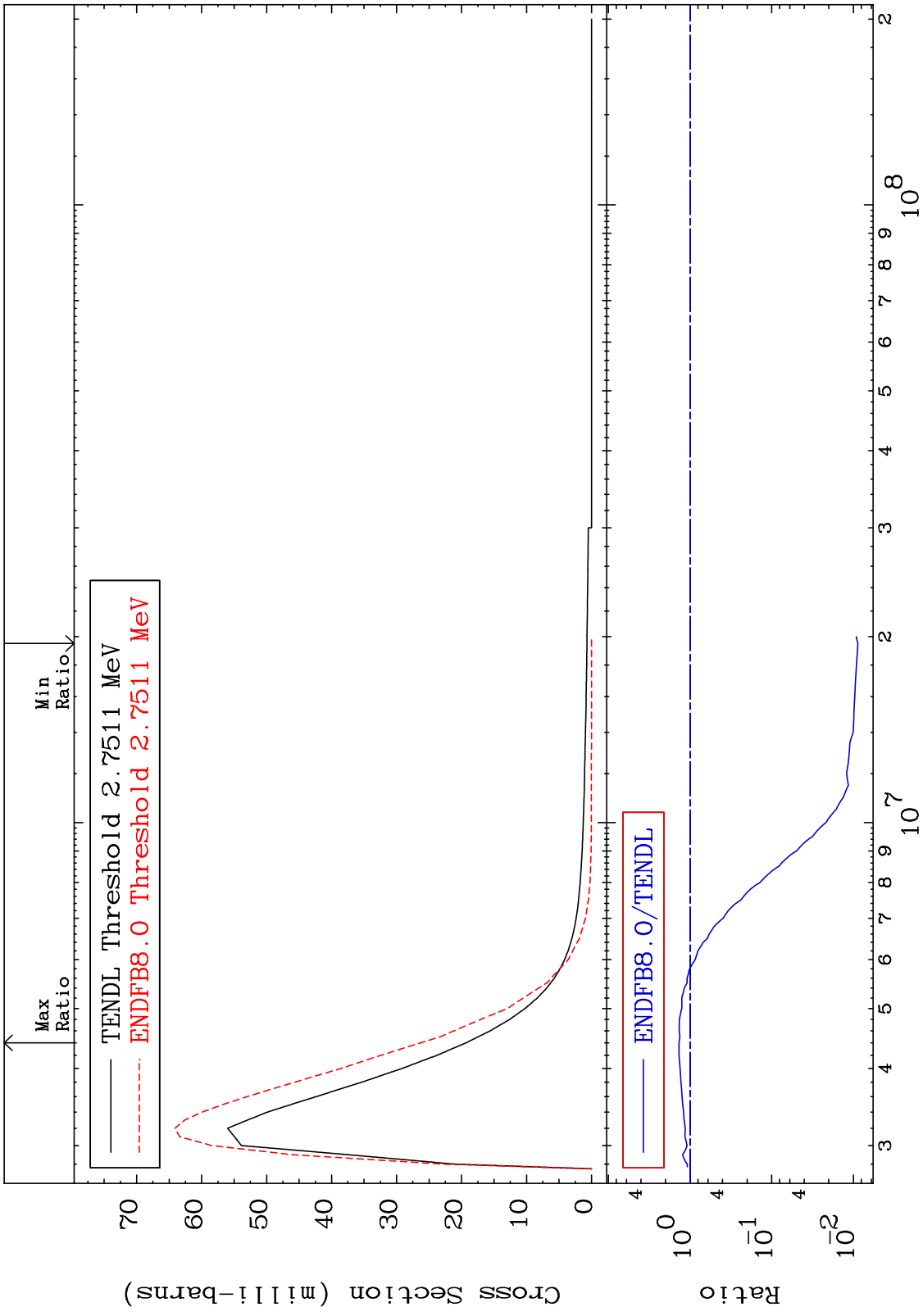
MAT 5049 MT= 68 (n,n') Level Cross Section 50-Sn-120
 -99.12 To 26.38 %



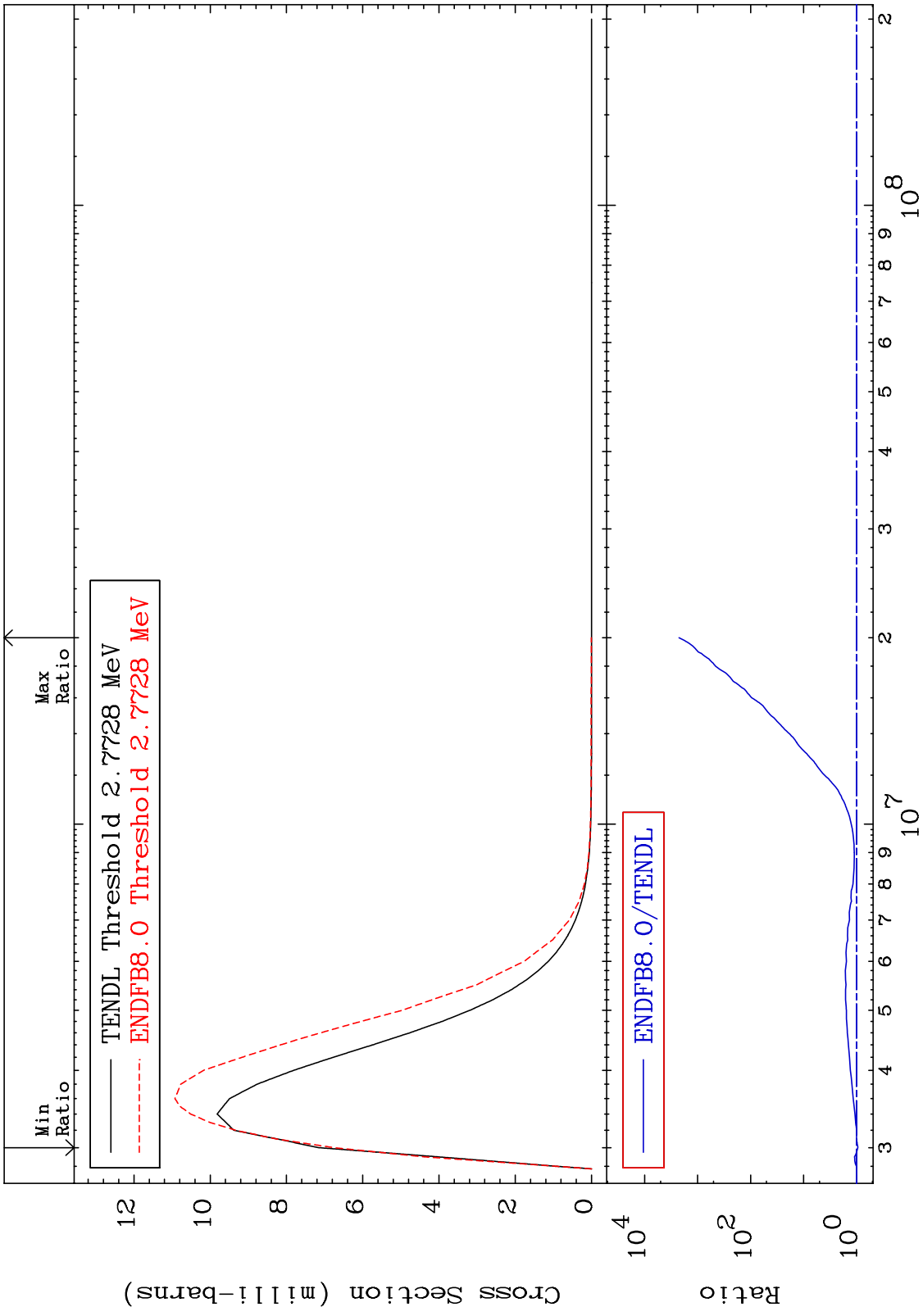
MAT 5049 MT= 69 (n,n') Level Cross Section 50-Sn-120
 -6.044 To 9999. %



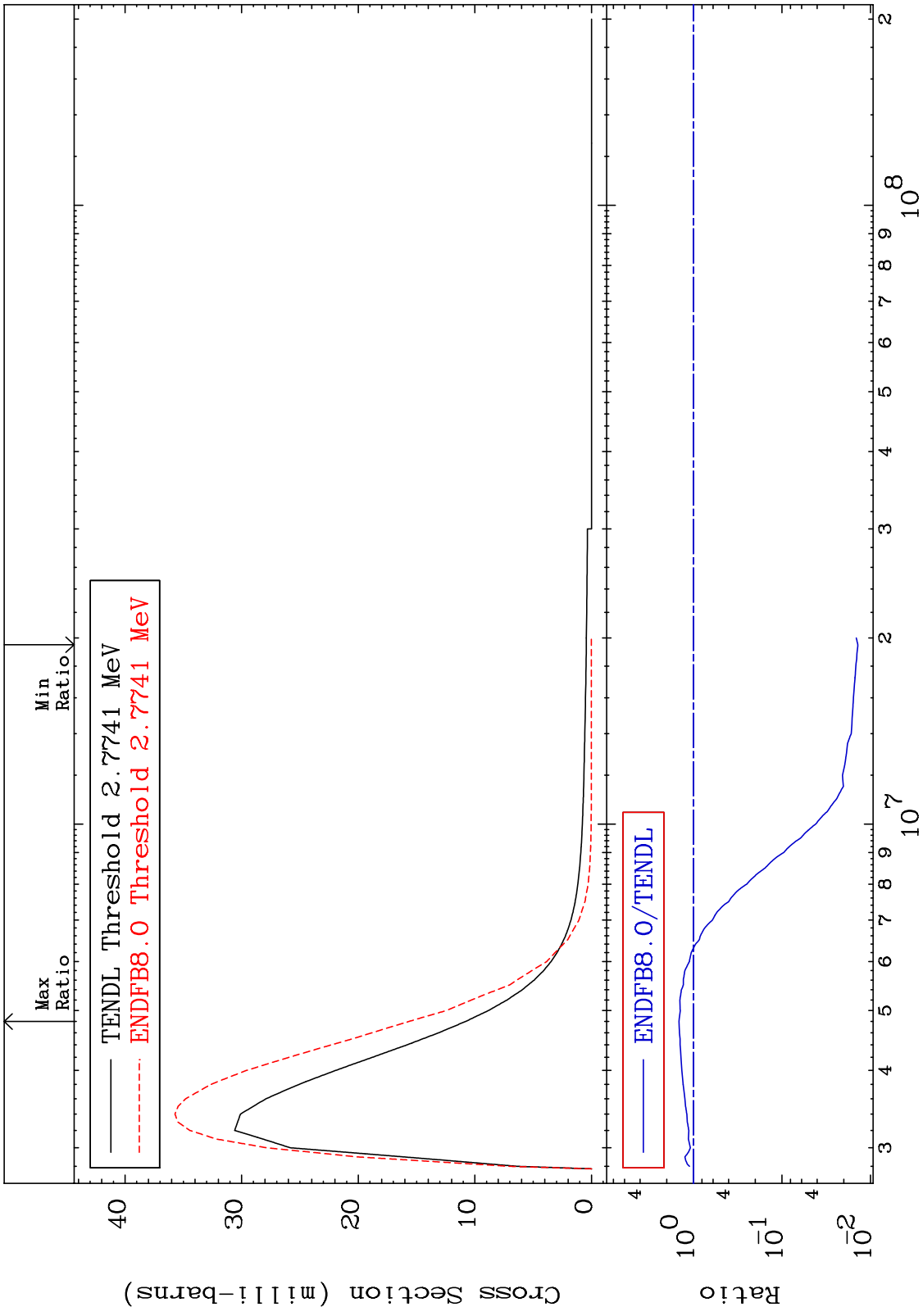
MAT 5049 MT= 70 (n,n') Level Cross Section 50-Sn-120
 -99.12 To 36.33 %



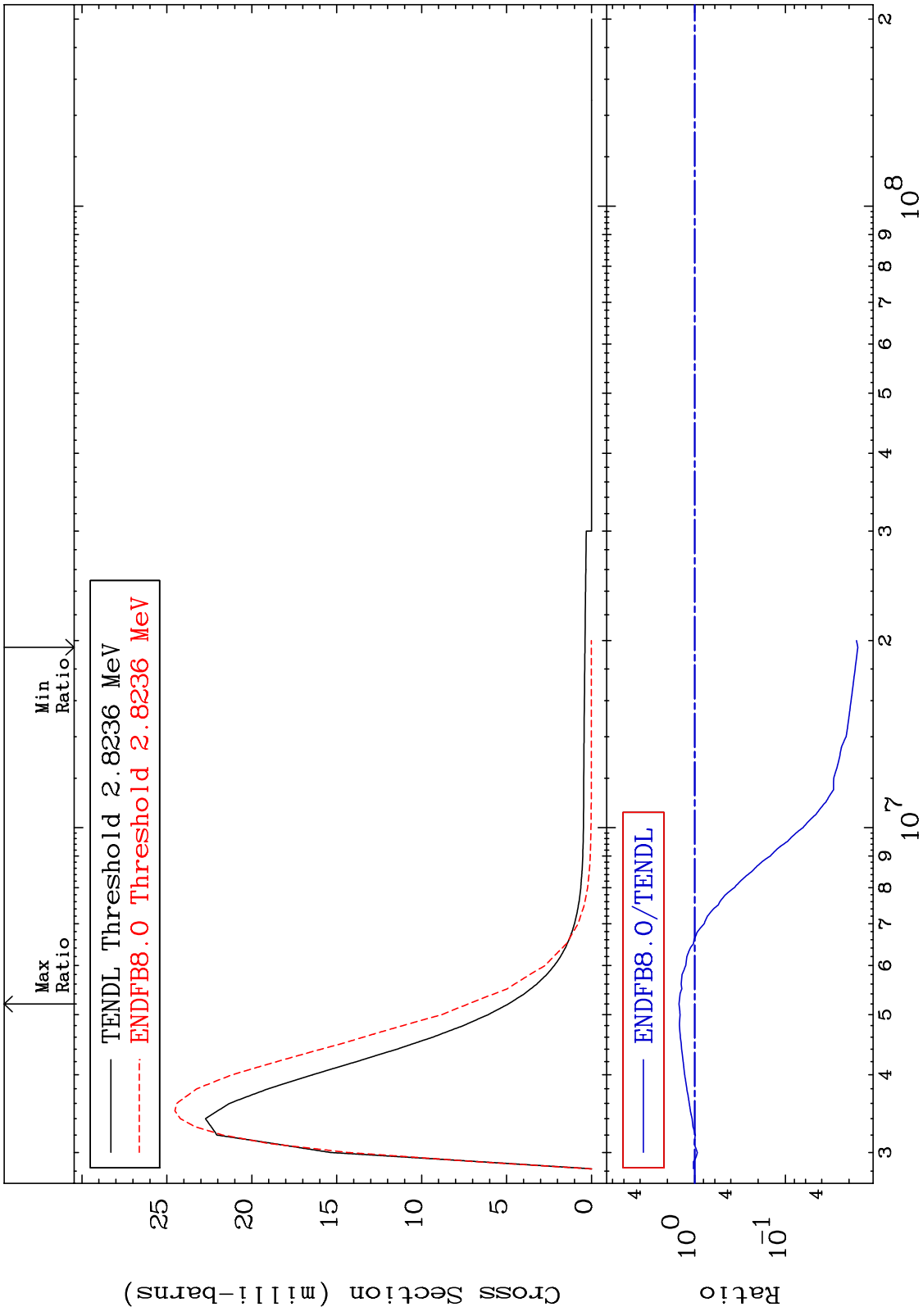
MAT 5049 MT= 71 (n,n') Level Cross Section 50-Sn-120
 -5.486 To 9999. %



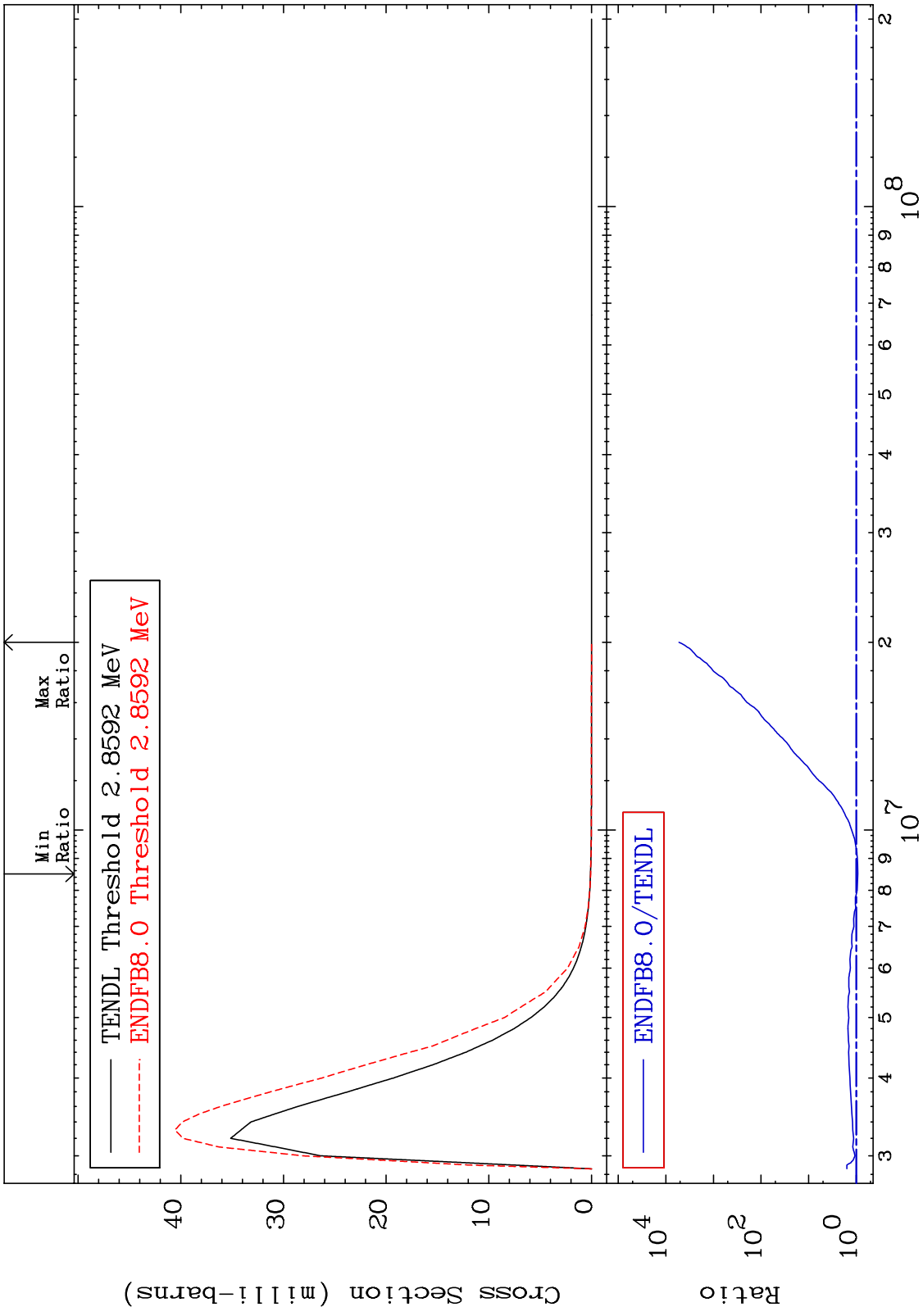
MAT 5049 MT= 72 (n,n') Level Cross Section 50-Sn-120
 -98.61 To 45.09 %



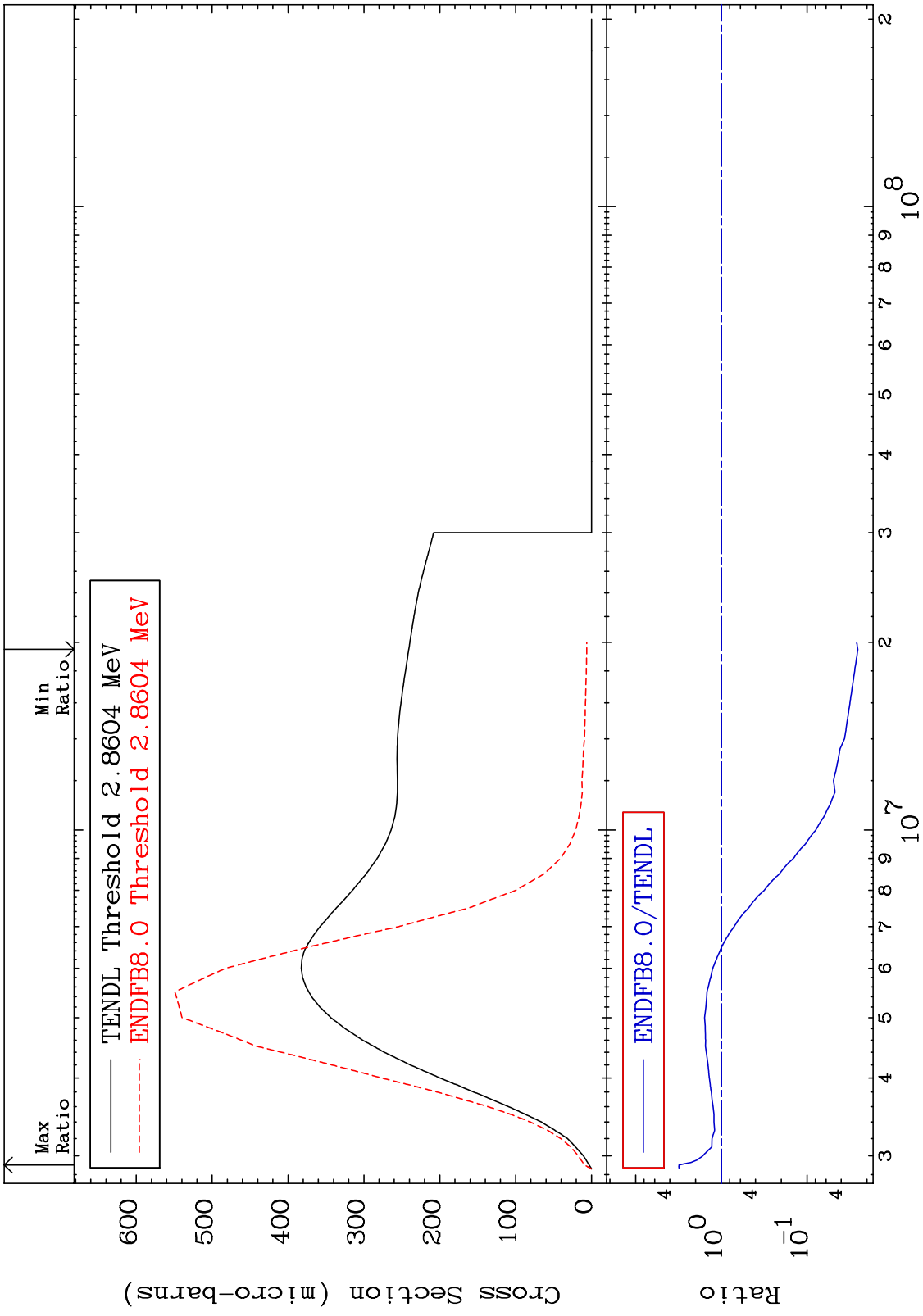
MAT 5049 MT= 73 (n,n') Level 50-Sn-120
 Cross Section -98.40 To 48.54 %



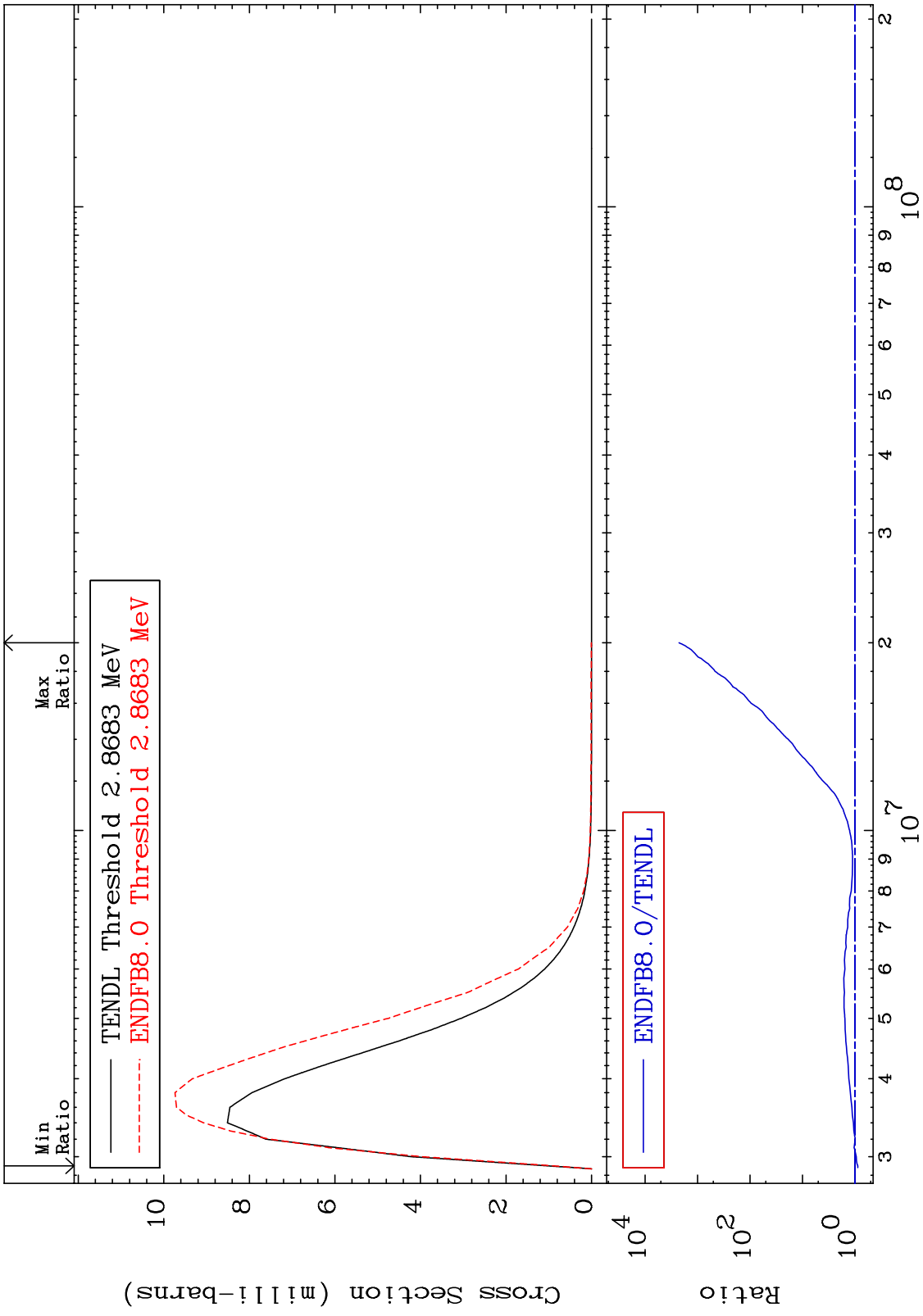
MAT 5049 MT= 75 (n,n') Level Cross Section 50-Sn-120
 -7.464 To 9999. %



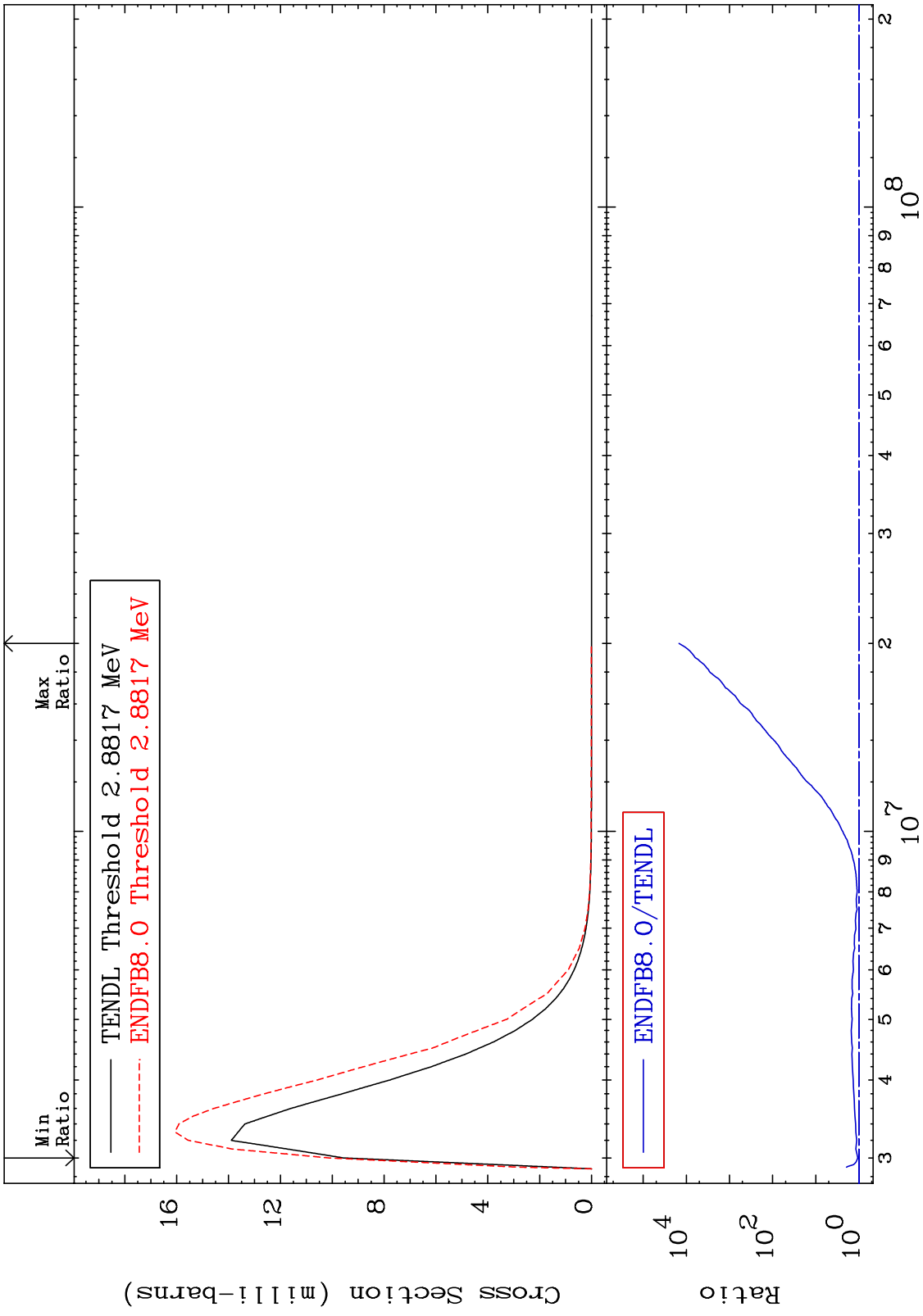
MAT 5049 MT= 76 (n,n') Level Cross Section 50-Sn-120
 -97.44 To 211.8 %



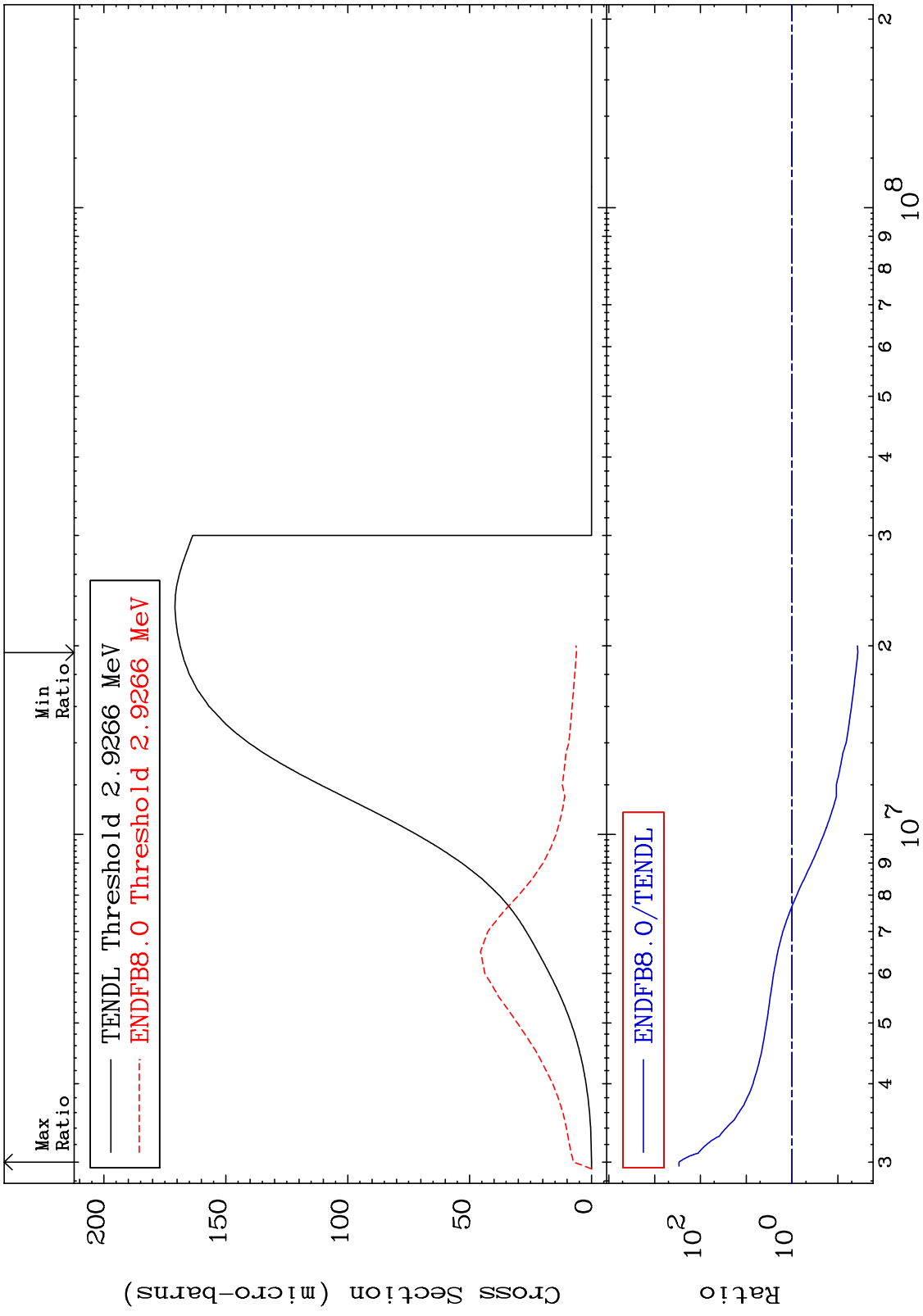
MAT 5049 MT= 77 (n,n') Level Cross Section 50-Sn-120
 -11.97 To 9999. %

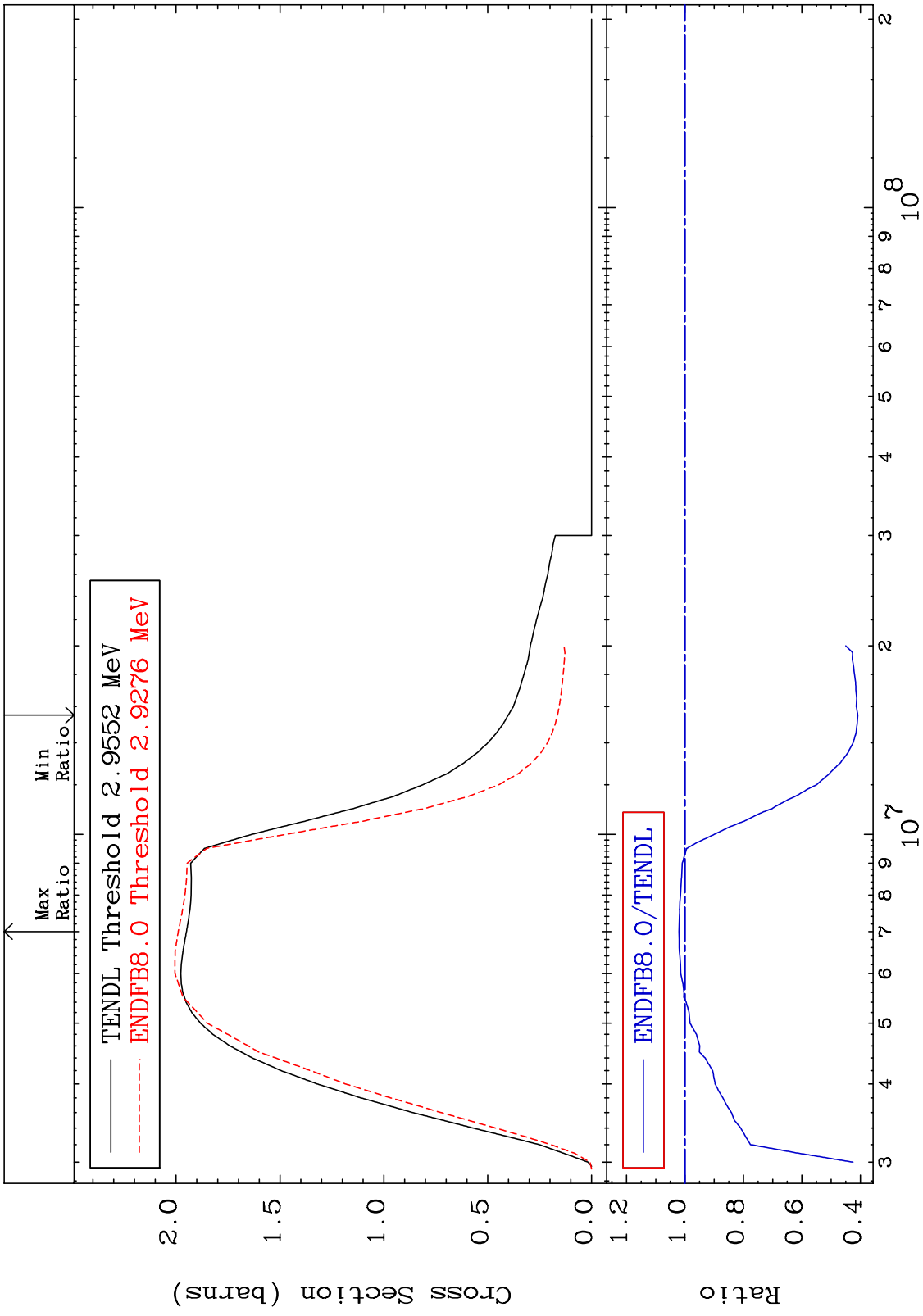


MAT 5049 MT= 78 (n,n') Level Cross Section 50-Sn-120 5.774 To 9999. %



MAT 5049 MT= 79 (n,n') Level Cross Section 50-Sn-120
 -96.32 To 9999. %



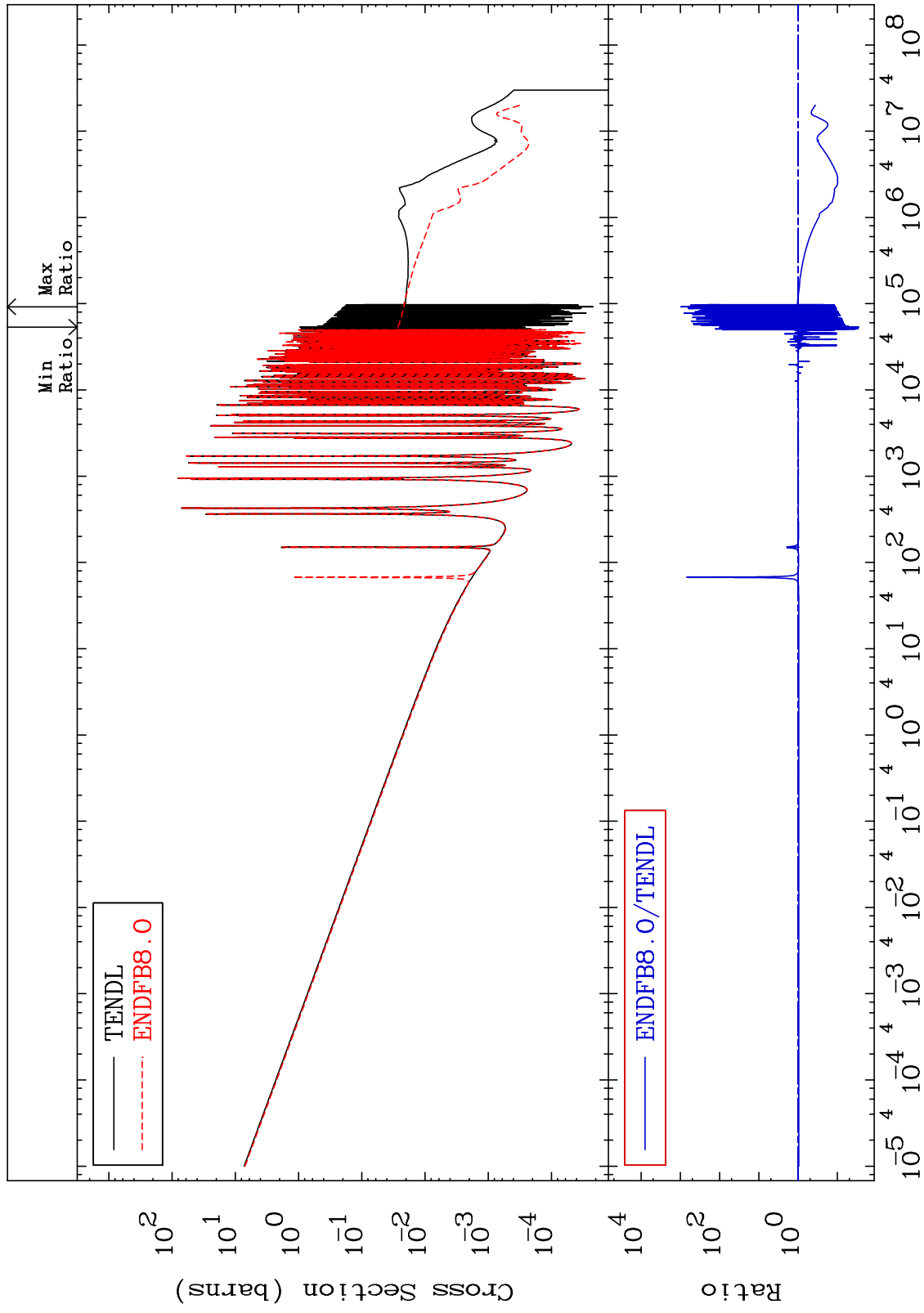


MAT 5049

(n, γ)

Cross Section

50-Sn-120
-97.17 To 9999. %

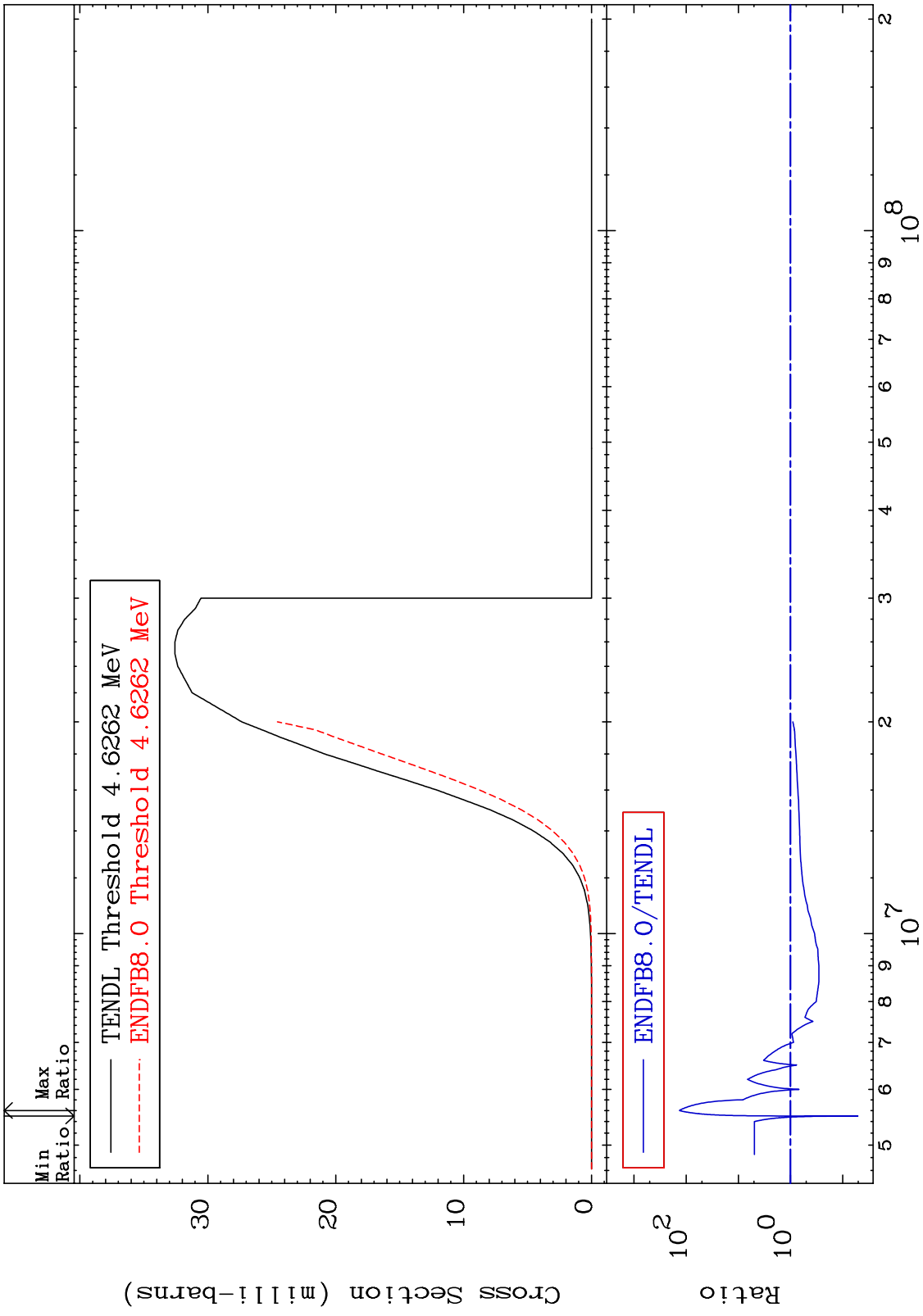


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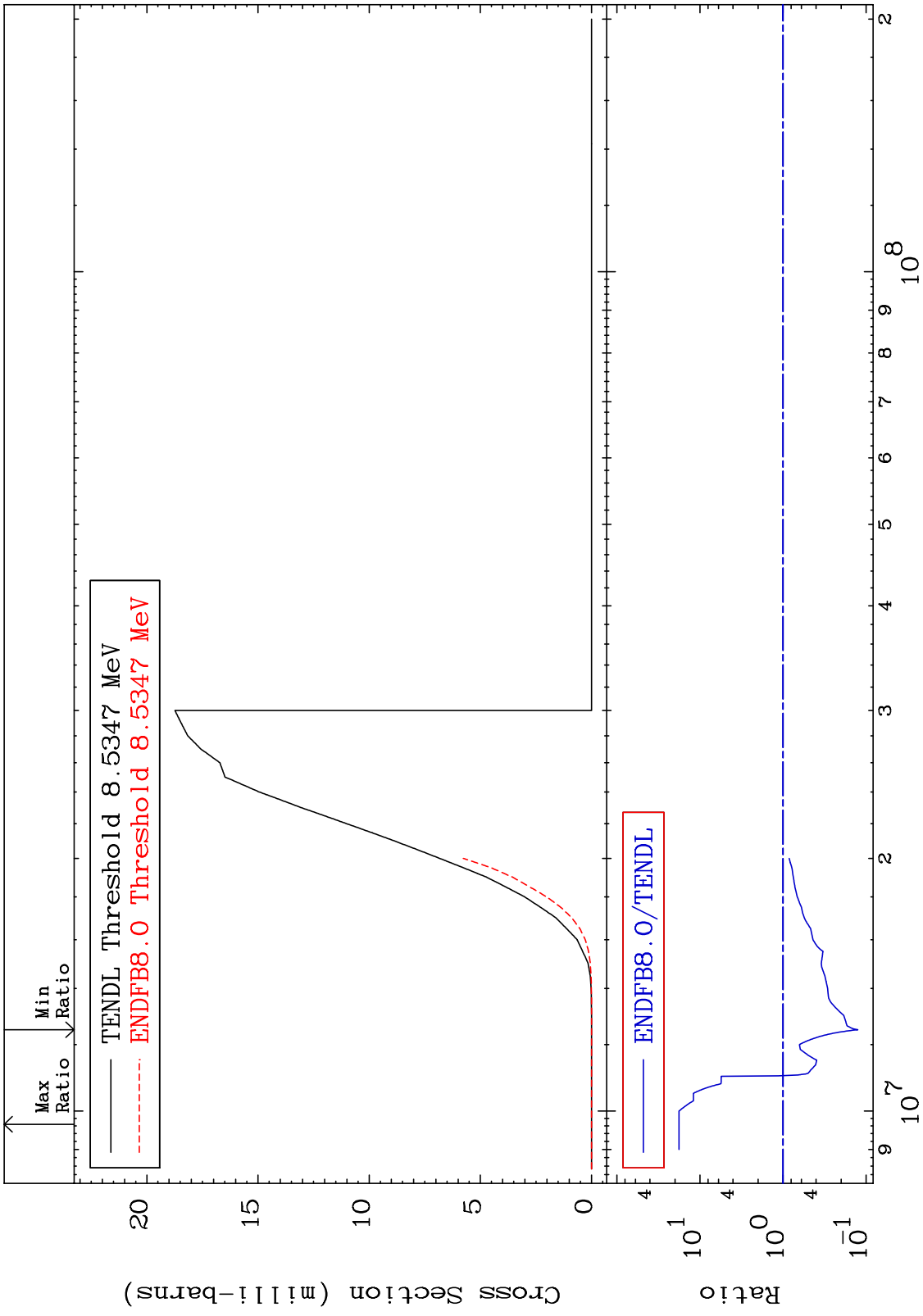
Incident Energy (eV)

50-Sn-120

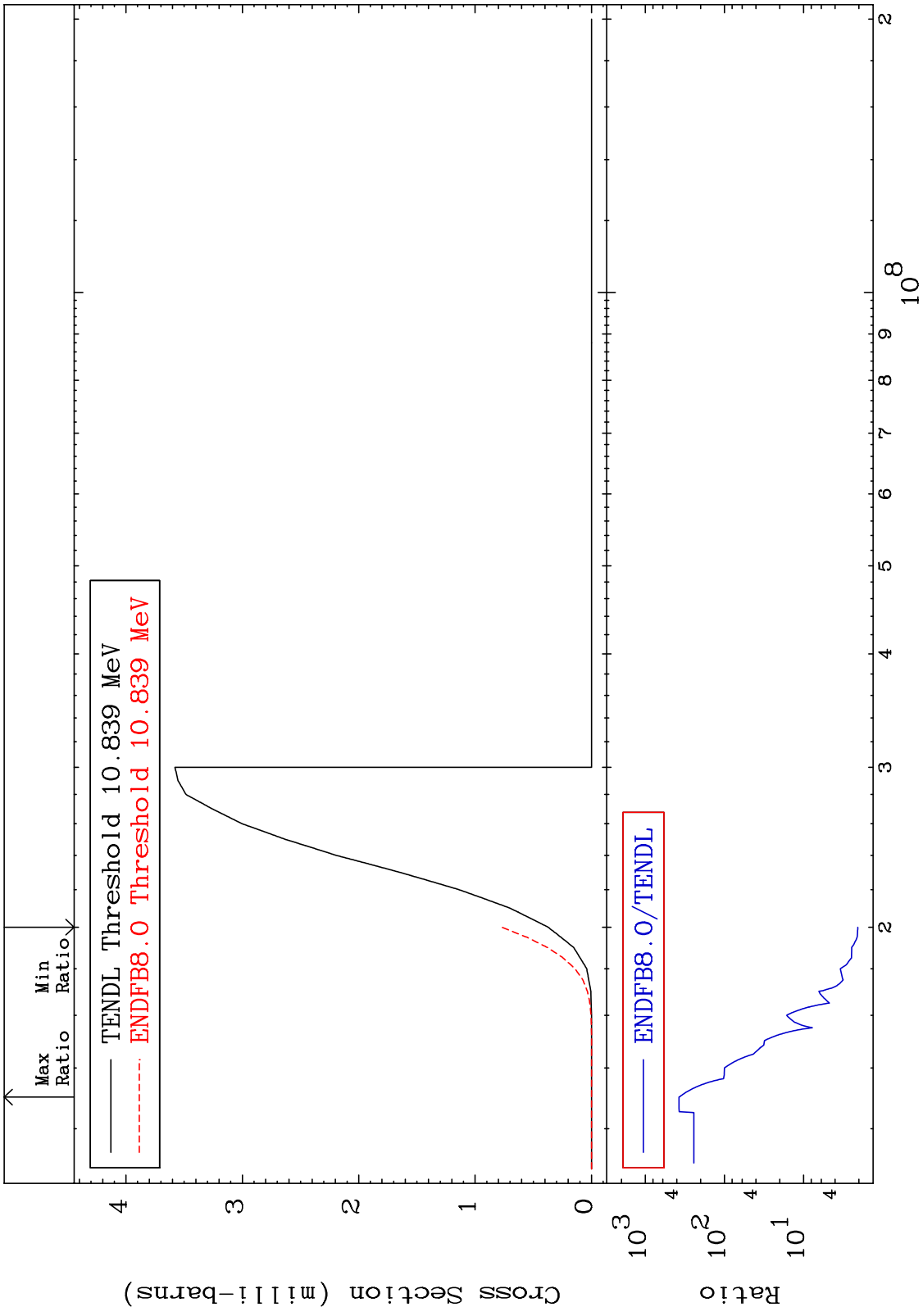
MAT 5049 (n,p) 50-Sn-120
Cross Section -94.89 To 9999. %



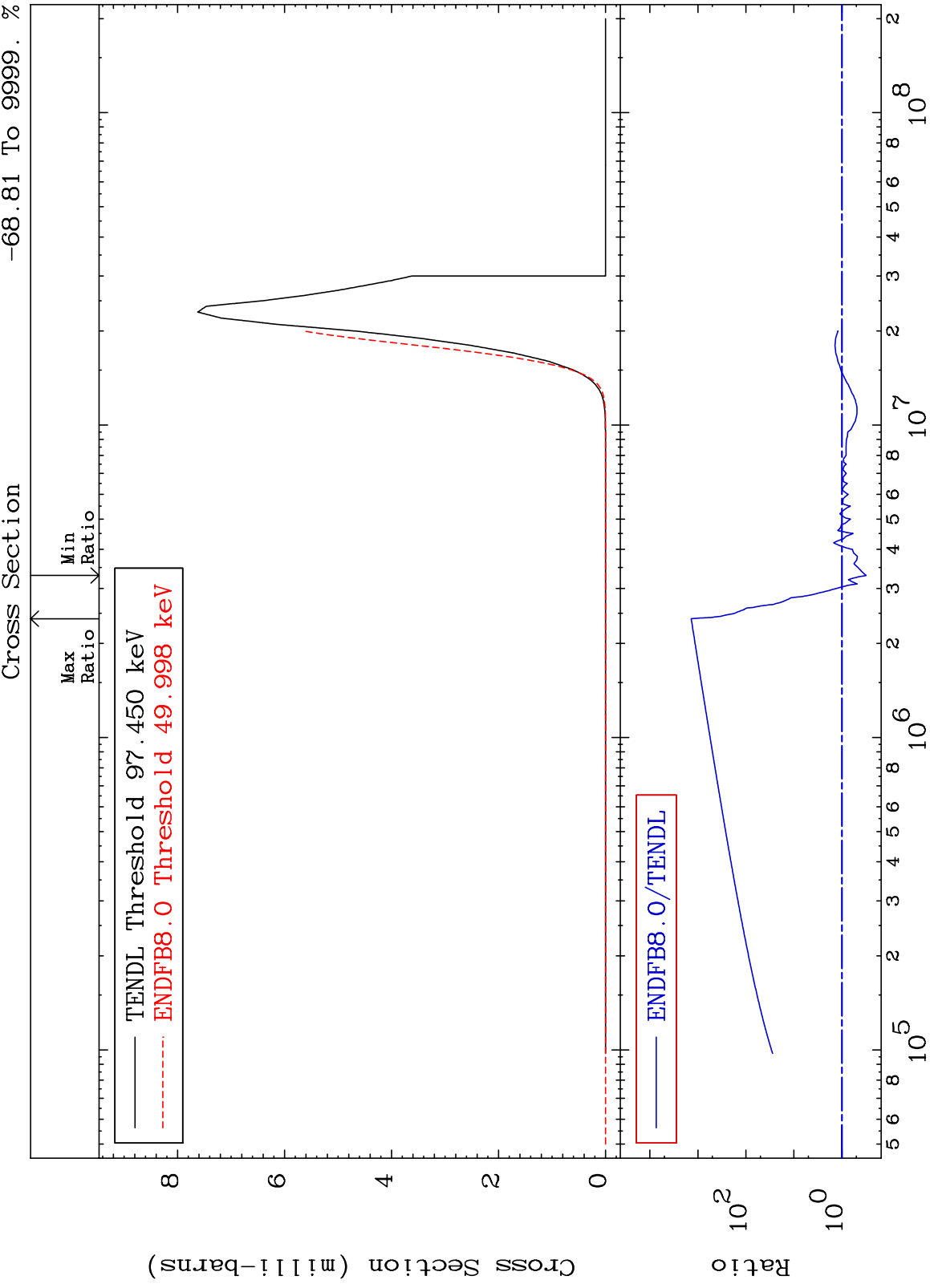
MAT 5049 (n,d) 50-Sn-120
 Cross Section -87.42 To 1688. %

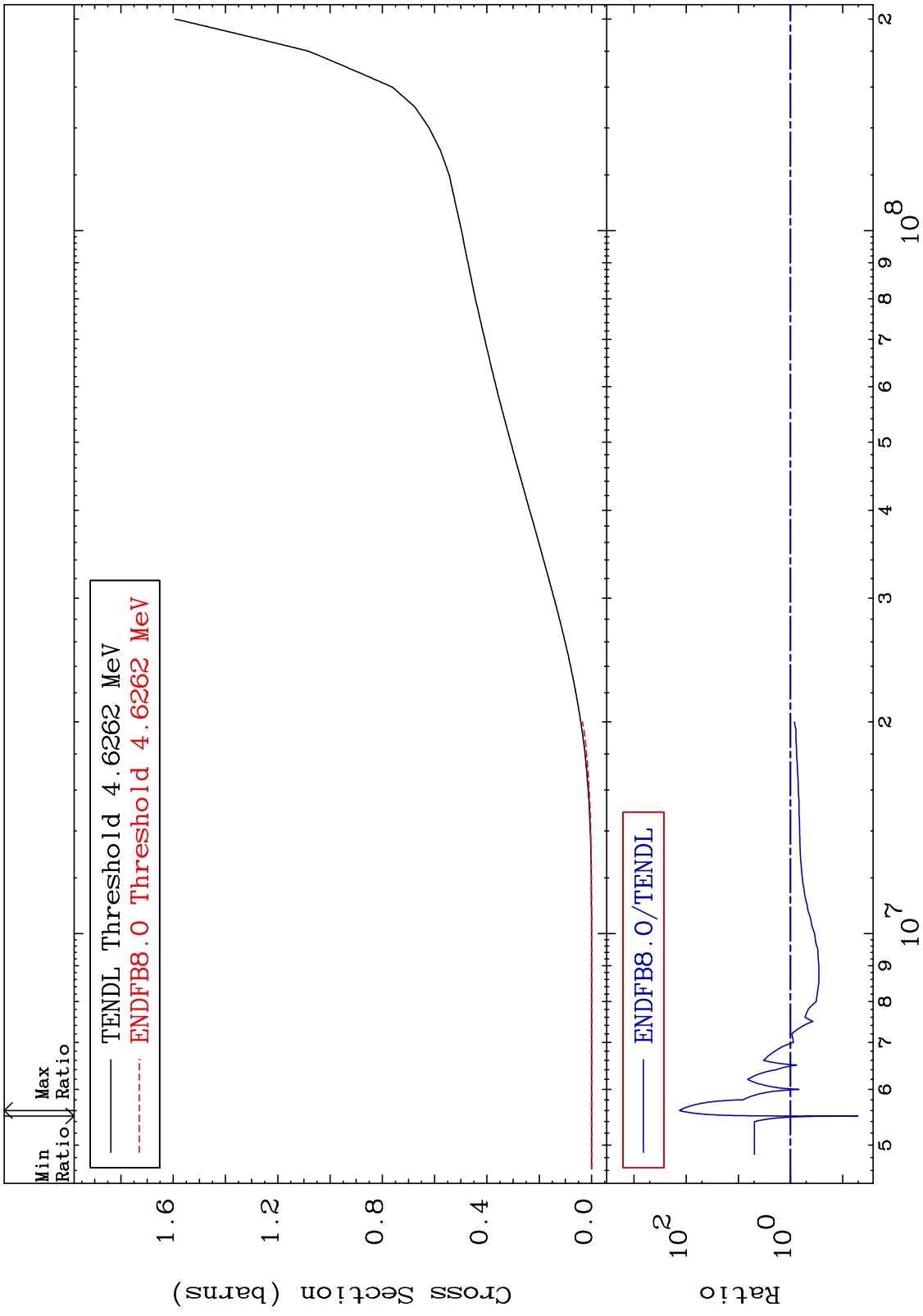


MAT 5049 (n,t) 50-Sn-120
 Cross Section 106.8 To 9999. %

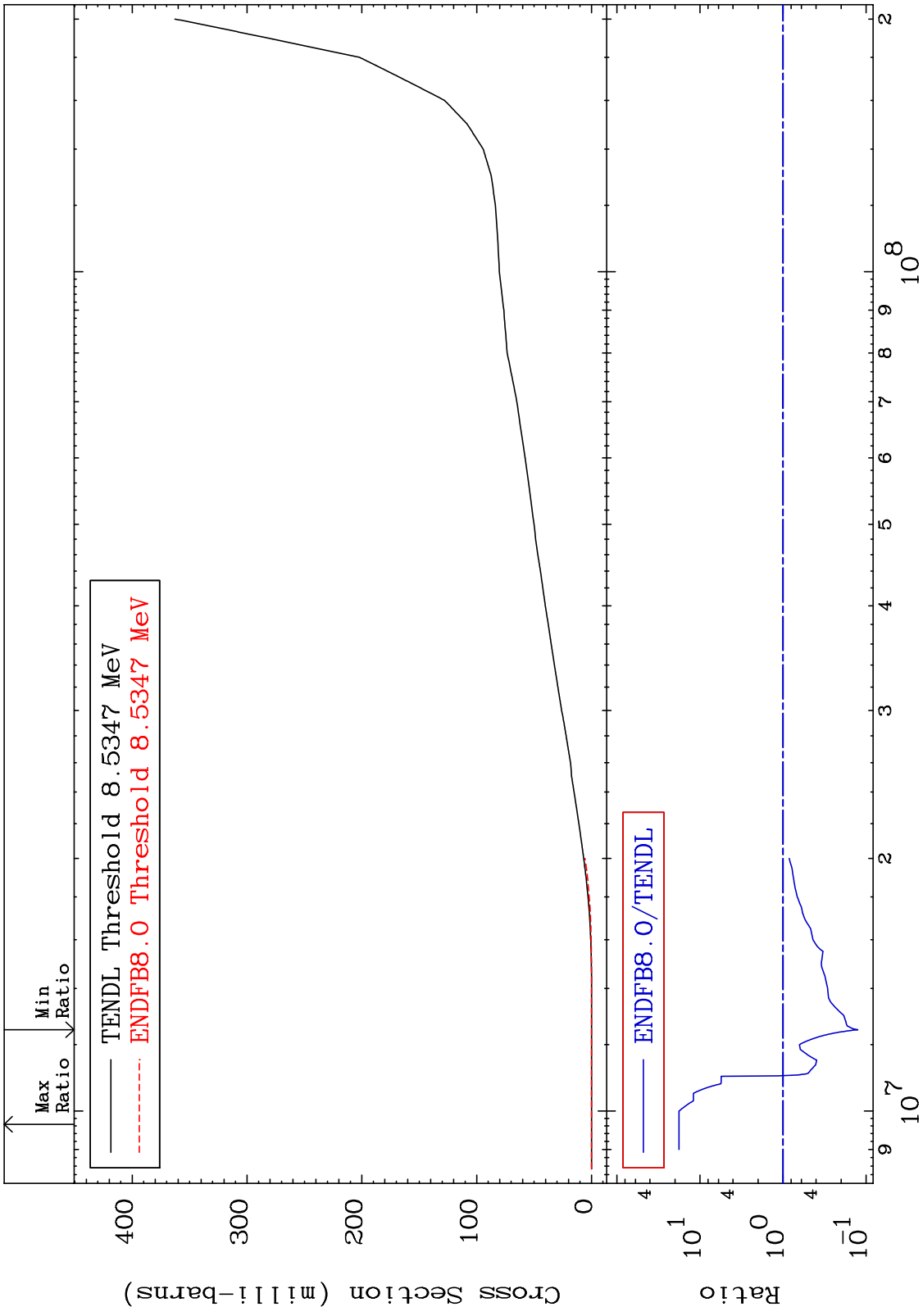


MAT 5049 50-Sn-120
-68.81 To 9999. %

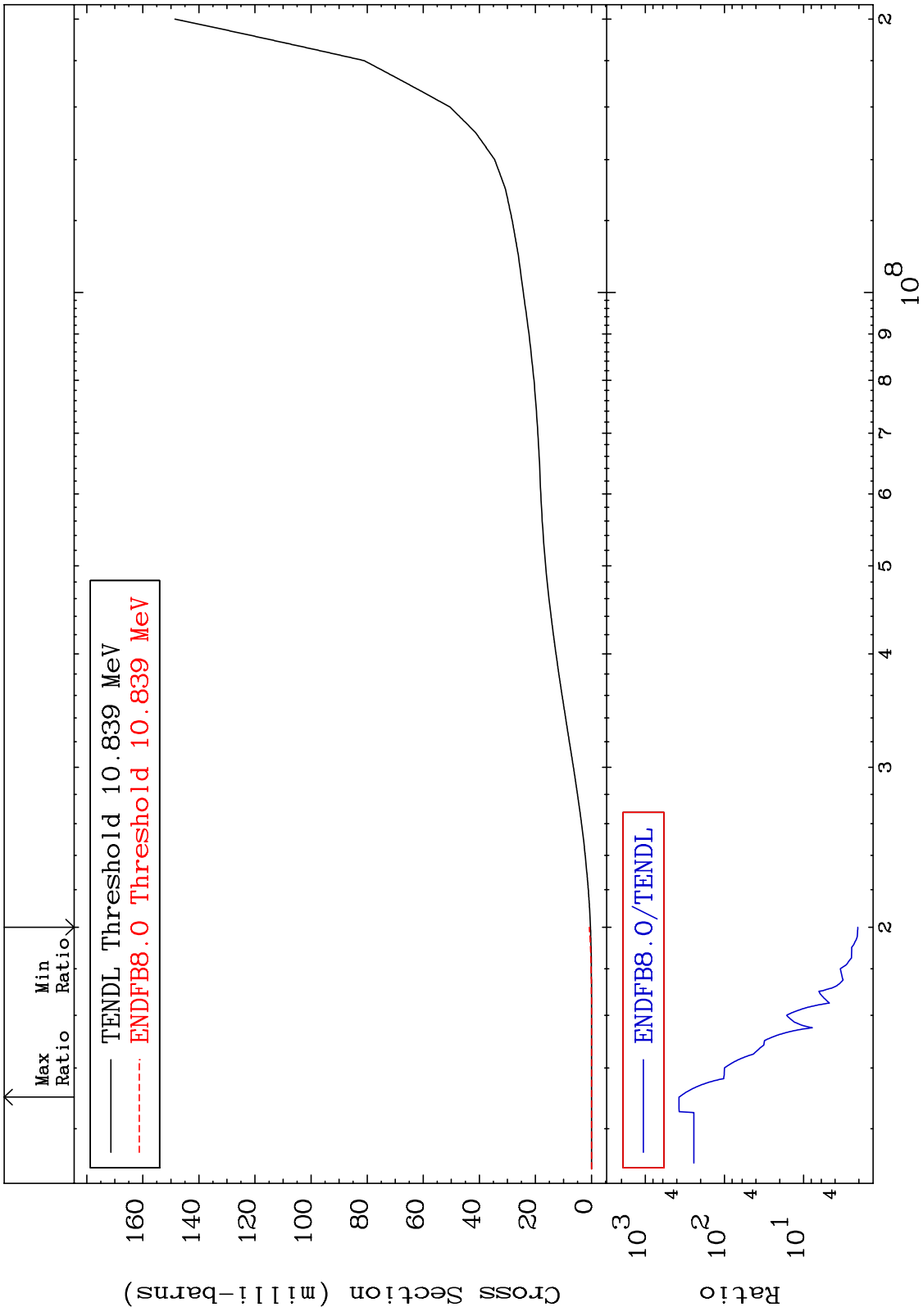




MAT 5049 Deuterium Production Cross Section 50-Sn-120 -87.42 To 1688. %



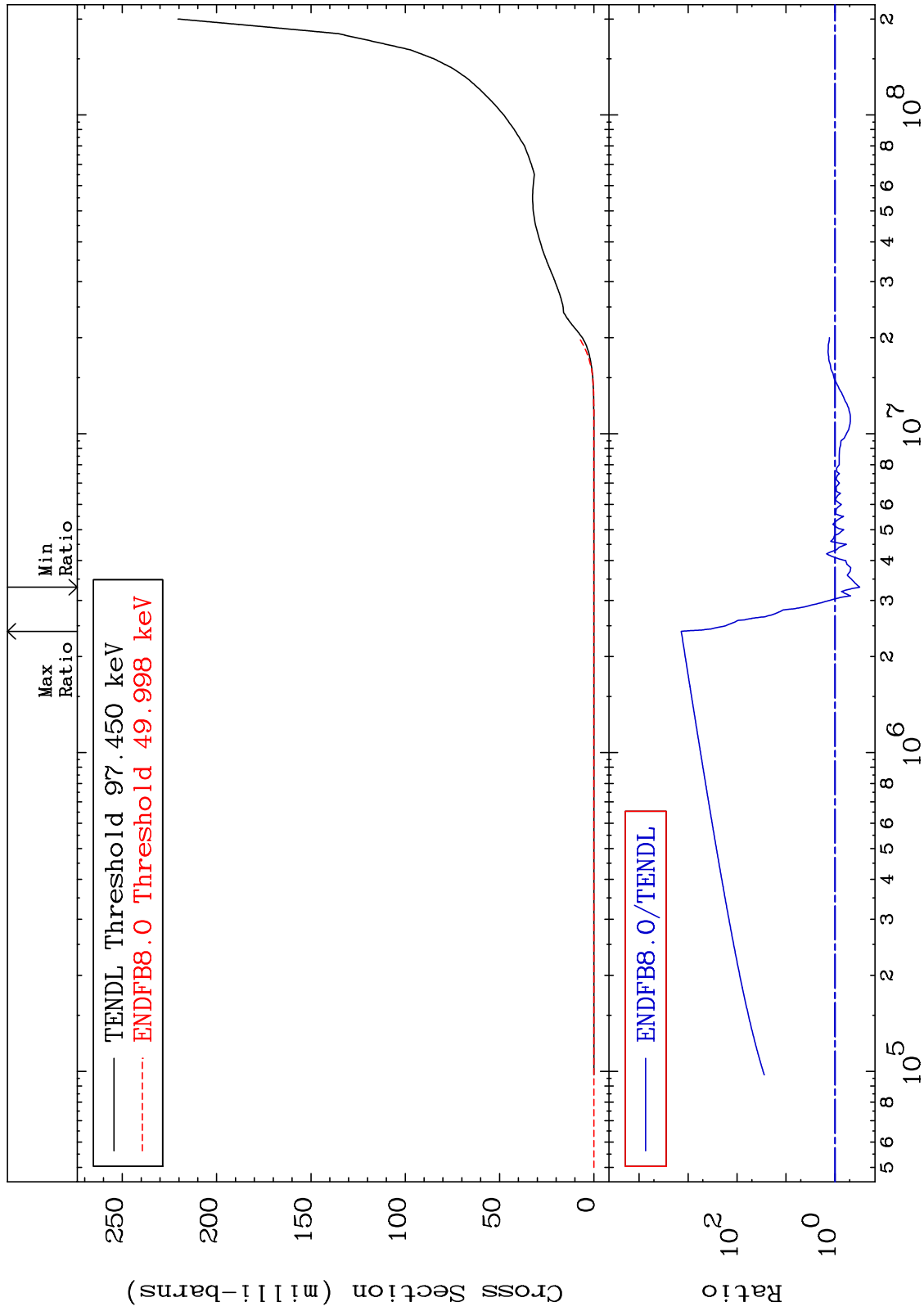
MAT 5049 Tritium Production Cross Section 50-Sn-120 To 9999. %
106.8



MAT 5049

He-4 Production
Cross Section

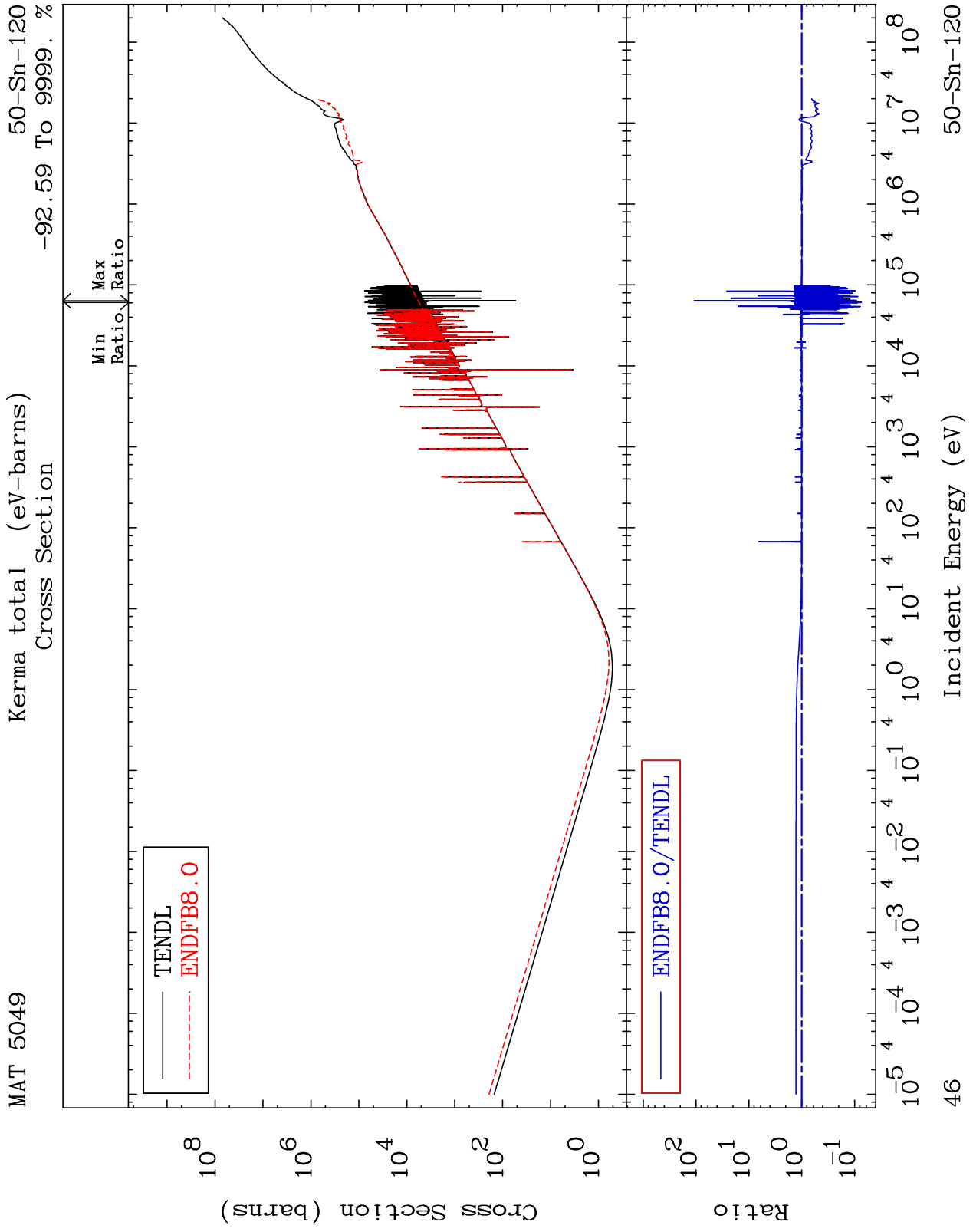
50-Sn-120
-68.81 To 9999. %



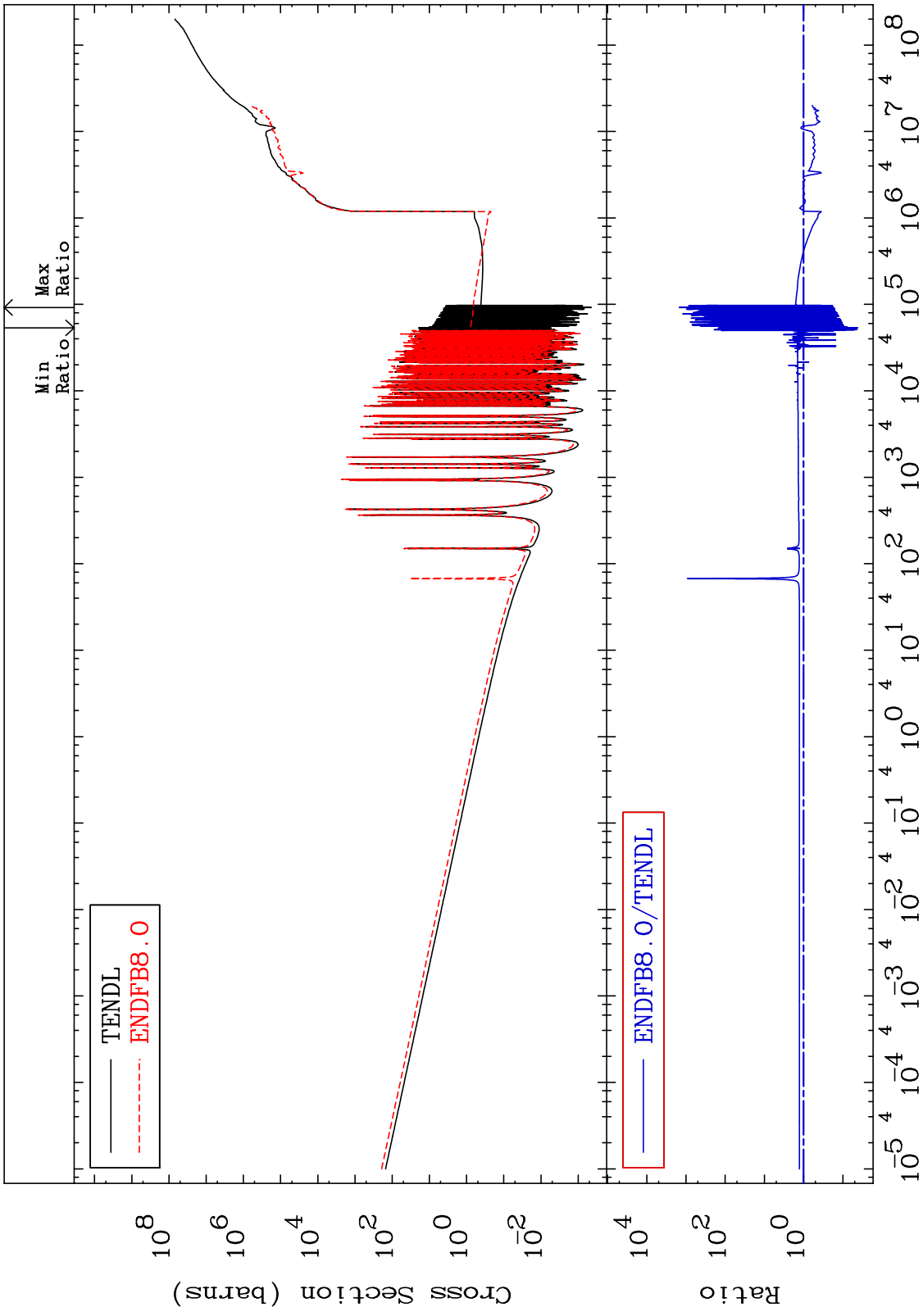
45

Incident Energy (eV)

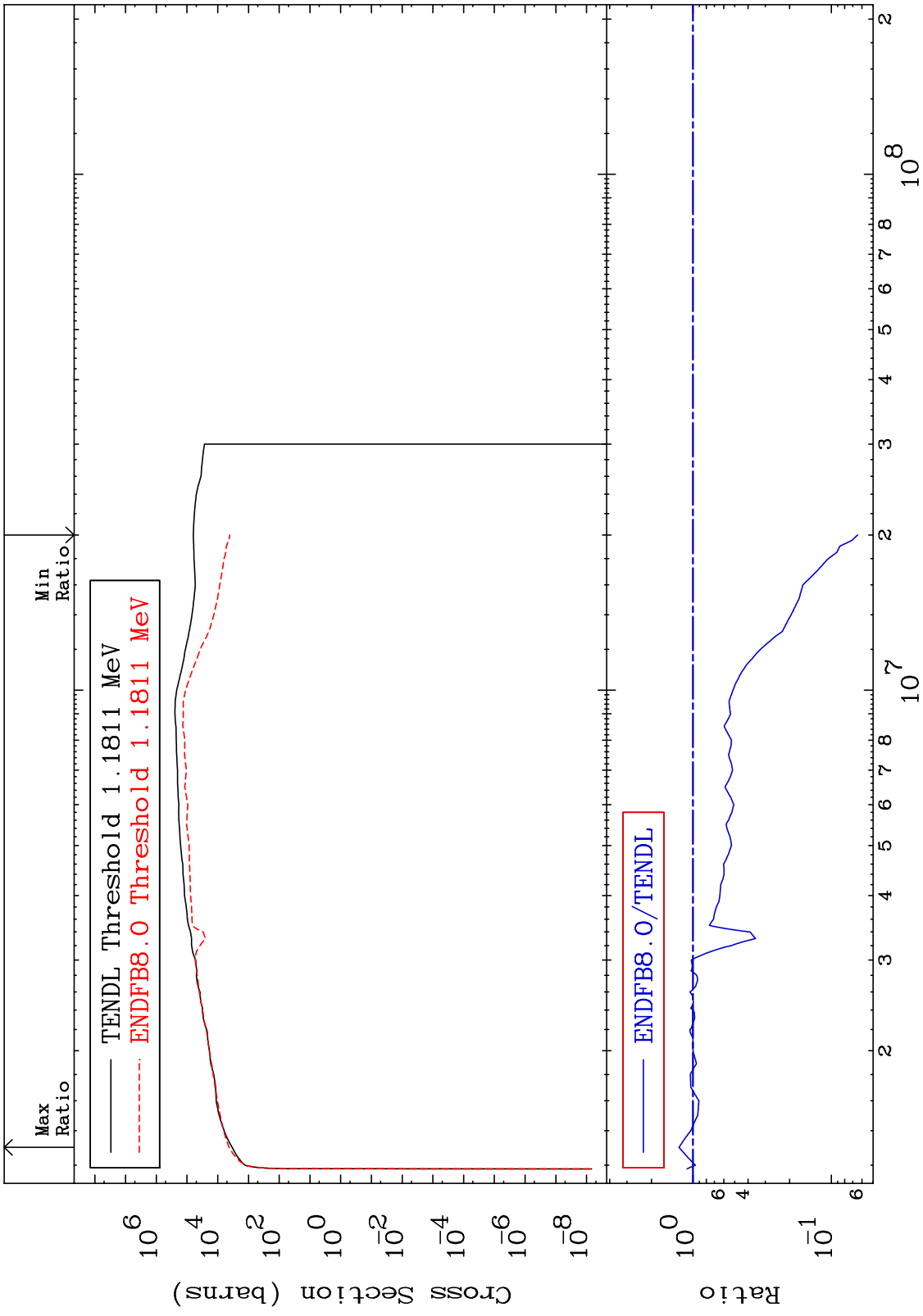
50-Sn-120



MAT 5049 Kerma non-elastic (all but mt2) 50-Sn-120
 Cross Section -95.85 To 9999. %



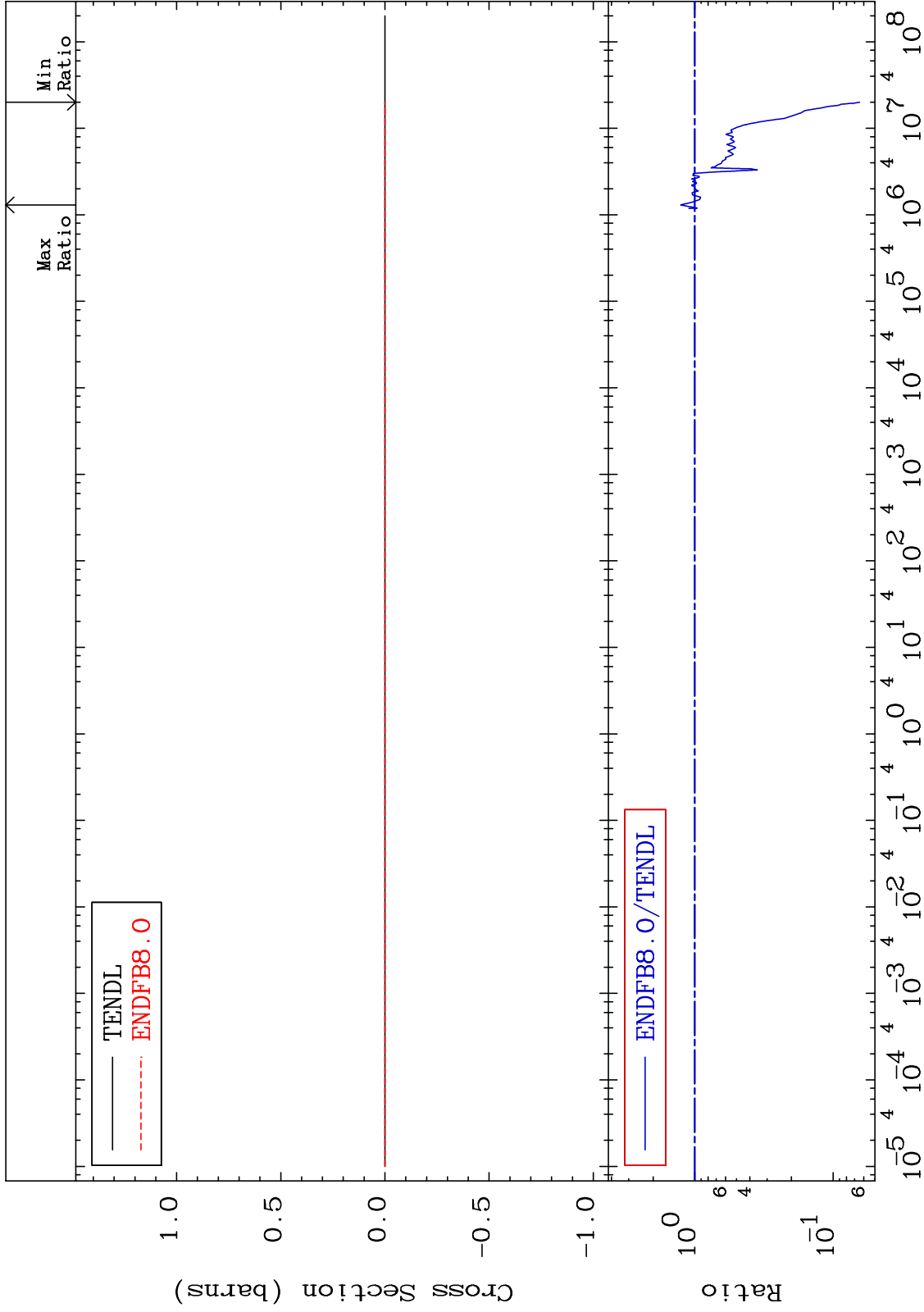
MAT 5049 Kerma inelastic (mt51-91) 50-Sn-120
 -93.57 To 26.14 %
 Cross Section



MAT 5049

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

50-Sn-120
-93.57 To 26.14 %

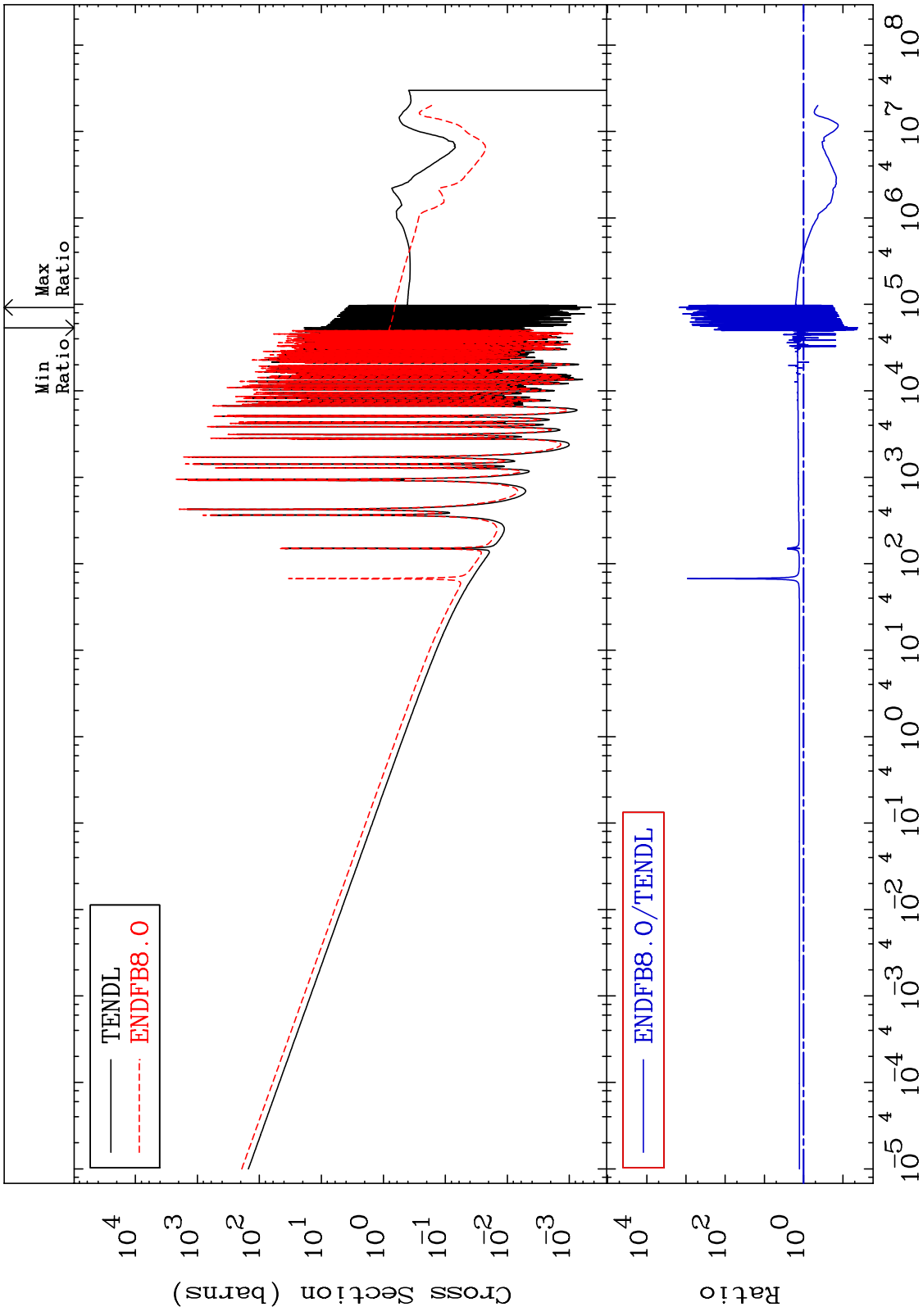


50

Incident Energy (eV)

50-Sn-120

MAT 5049 Kerma capture (mt102) 50-Sn-120
 Cross Section -95.85 To 9999. %



Min Ratio

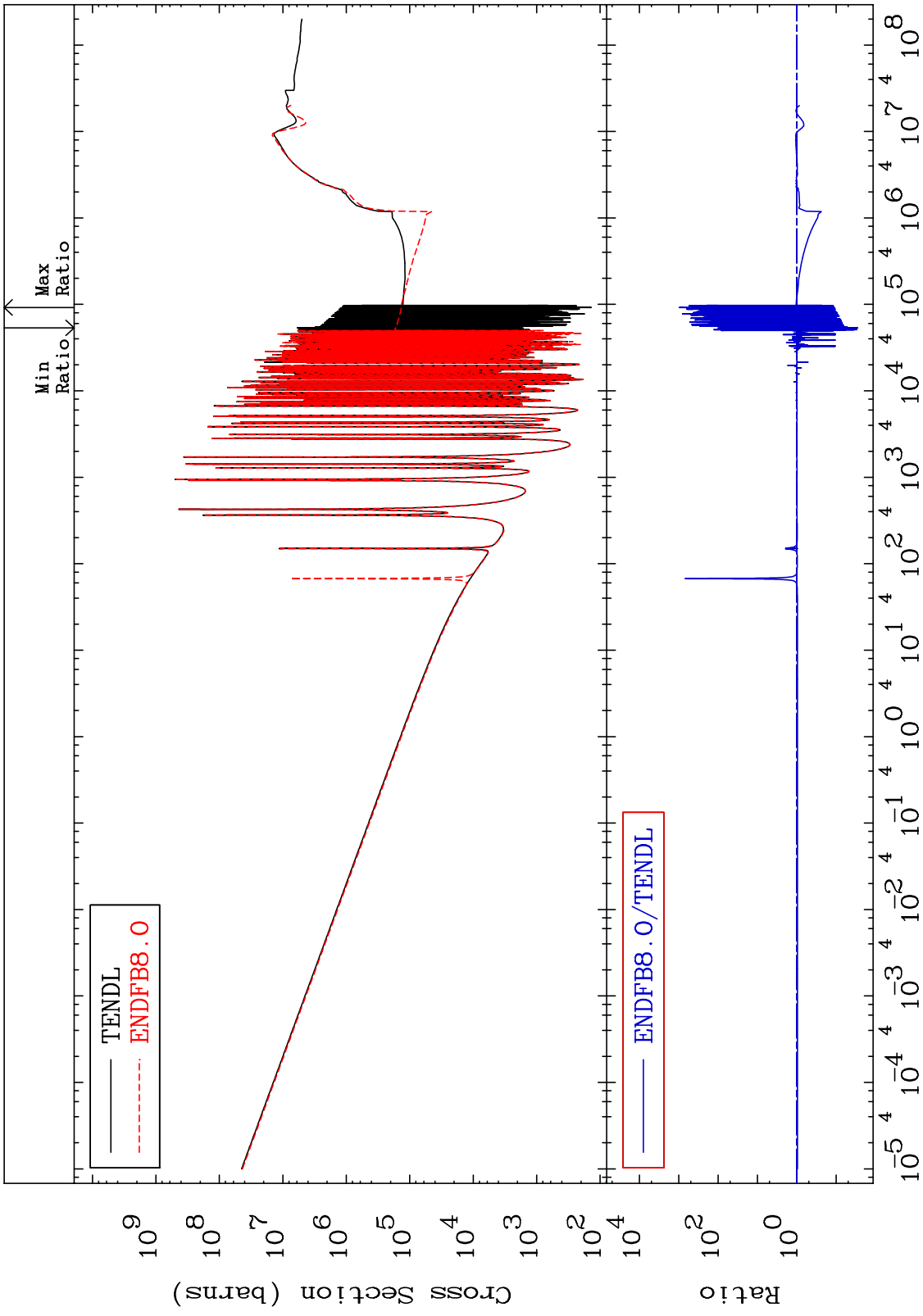
Max Ratio

— TENDL
 - - - ENDFB8.0

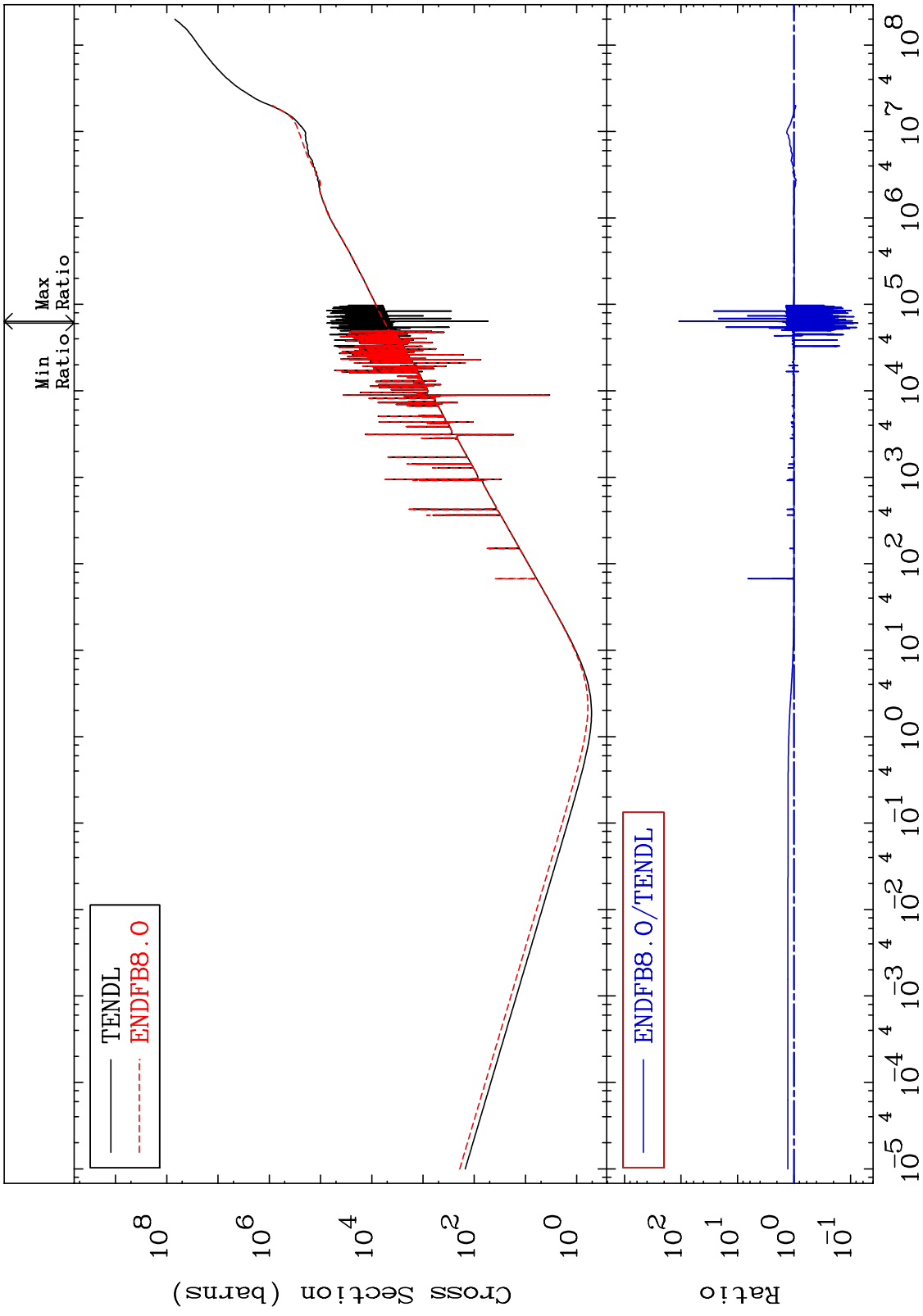
— ENDFB8.0/TENDL

51 Incident Energy (eV) 50-Sn-120

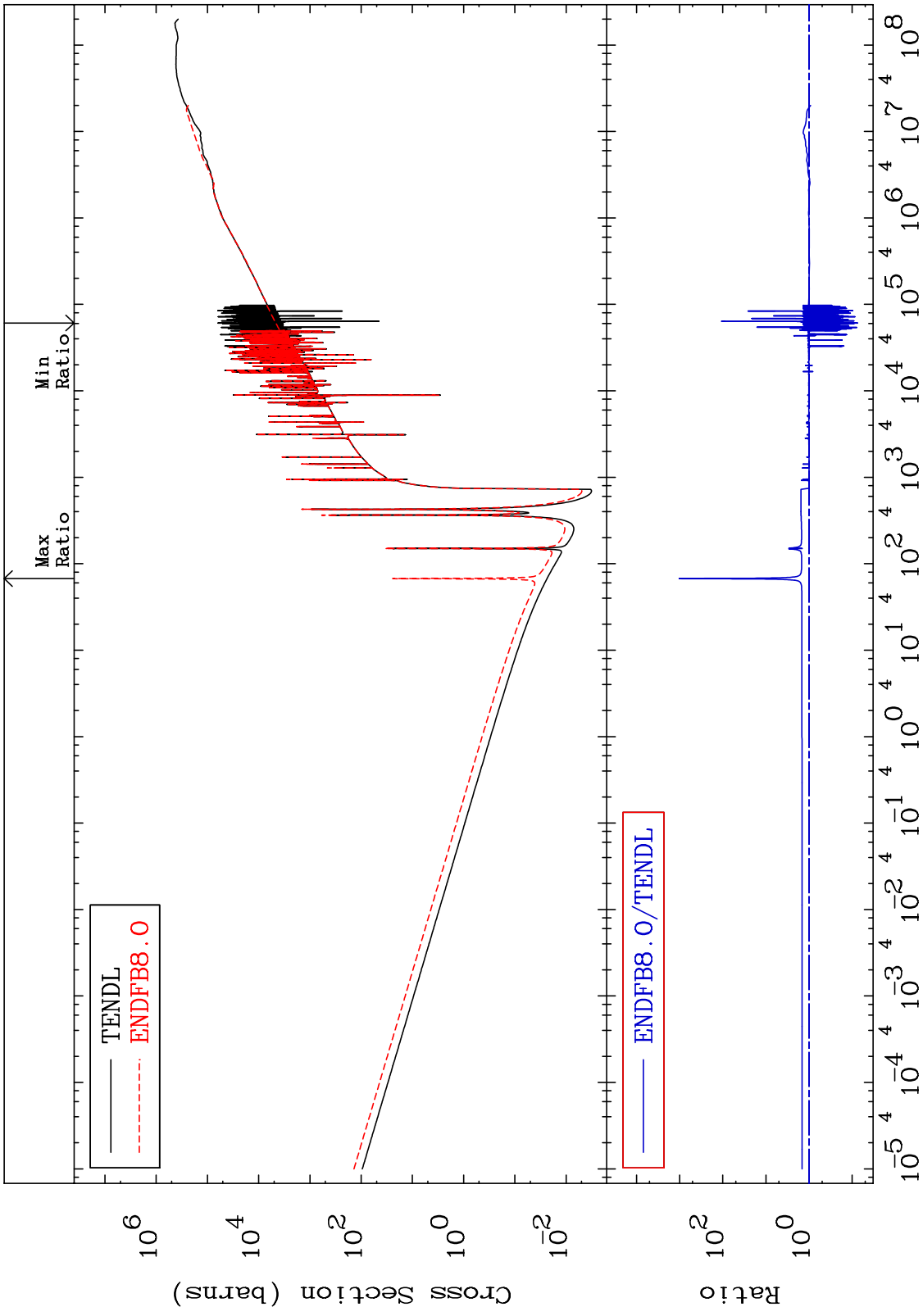
MAT 5049 Total photon (eV-barns) Cross Section 50-Sn-120 -97.17 To 9999. %



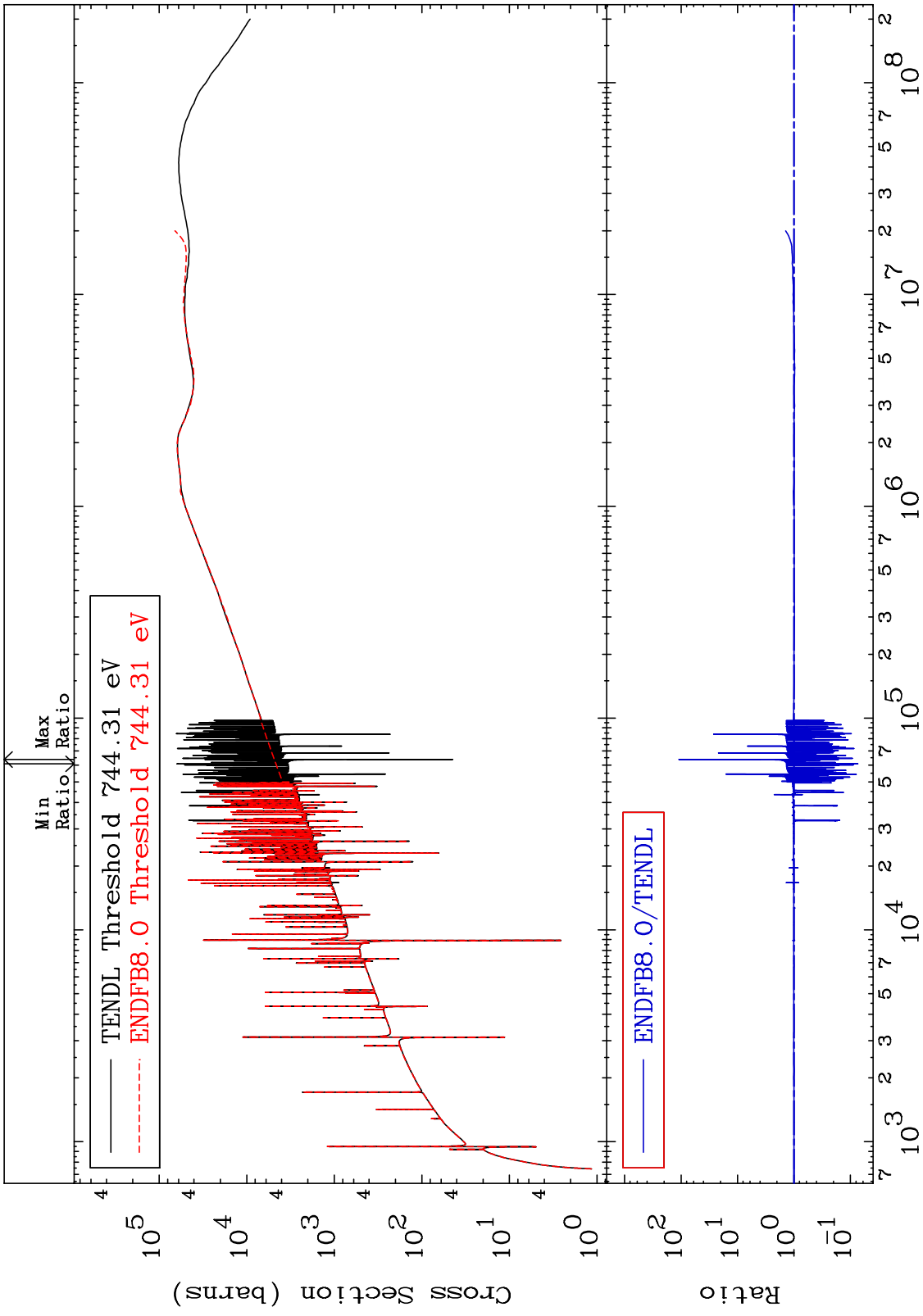
MAT 5049 Total kinematic kerma (high limit) 50-Sn-120
 Cross Section -92.59 To 9999. %



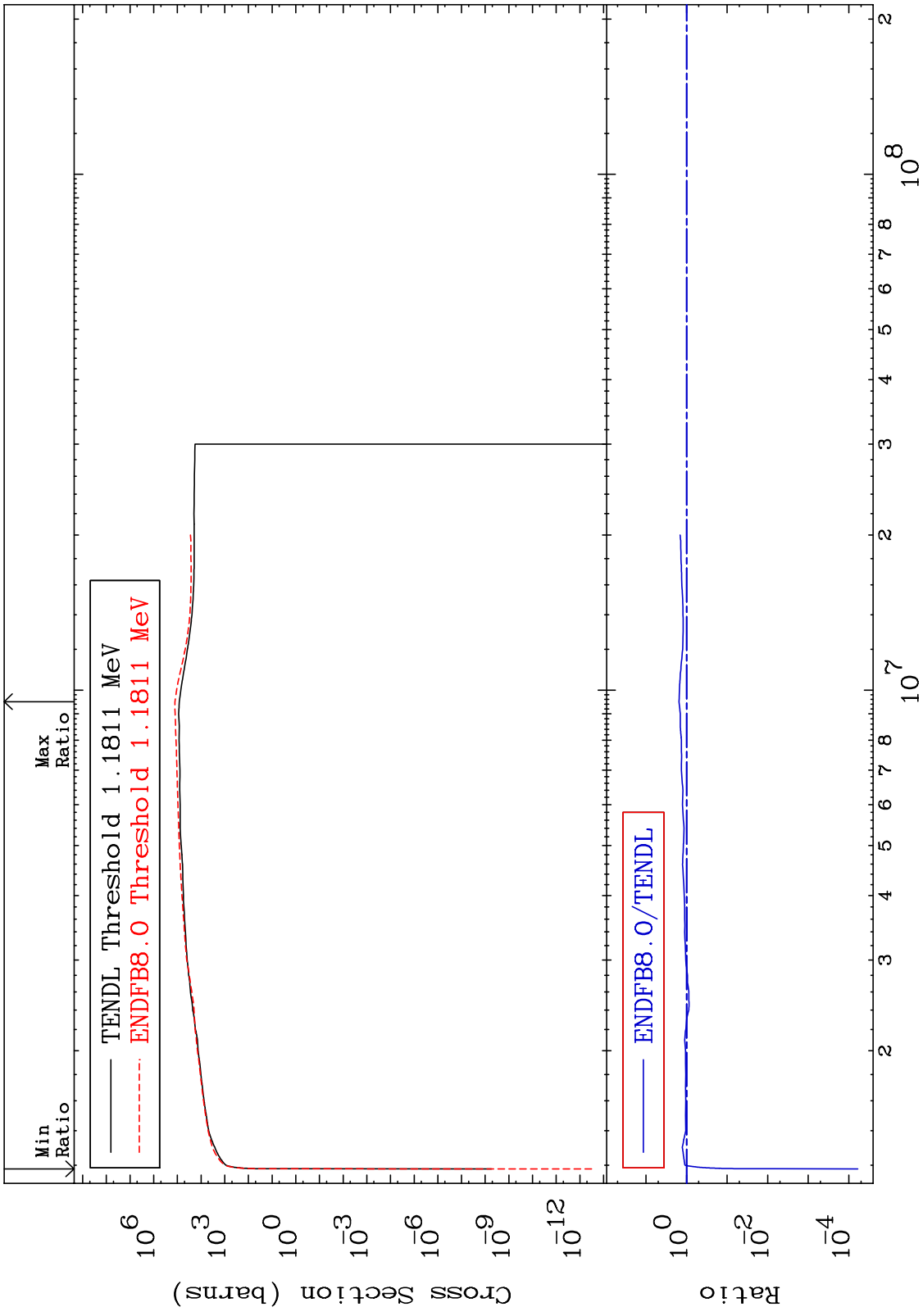
MAT 5049 Dpa total (eV-barns) 50-Sn-120
 -92.60 To 9999. %
 Cross Section



MAT 5049 Dpa elastic (mt2) 50-Sn-120
 Cross Section -92.60 To 9999. %



MAT 5049 Dpa inelastic (mt51-91) 50-Sn-120
 Cross Section -99.99 To 53.04 %



MAT 5049 Dpa disappearance (mt102 -120) 50-Sn-120
 Cross Section -95.10 To 9999. %

