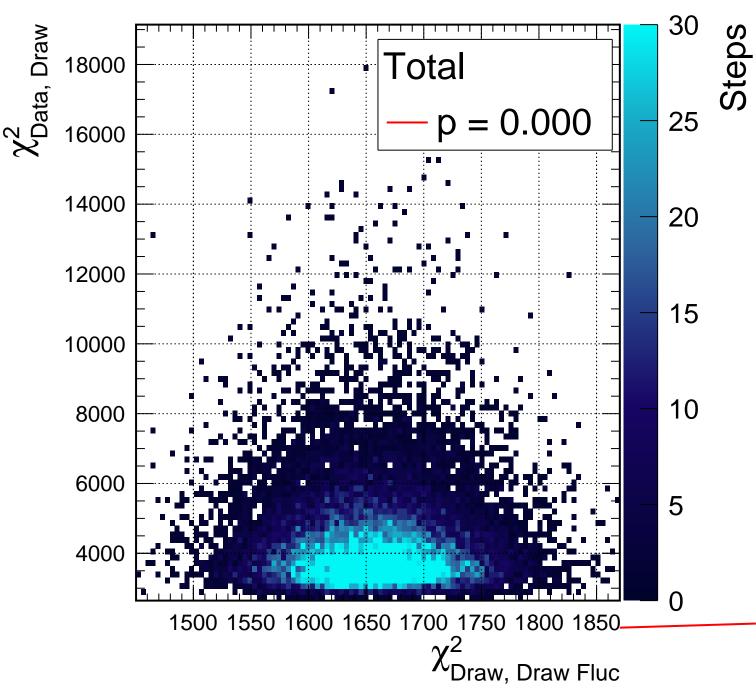
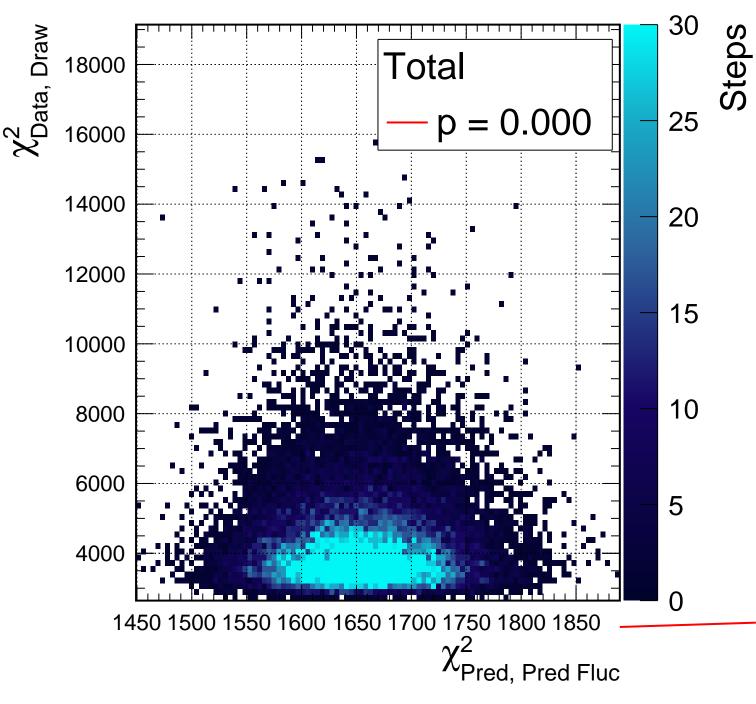
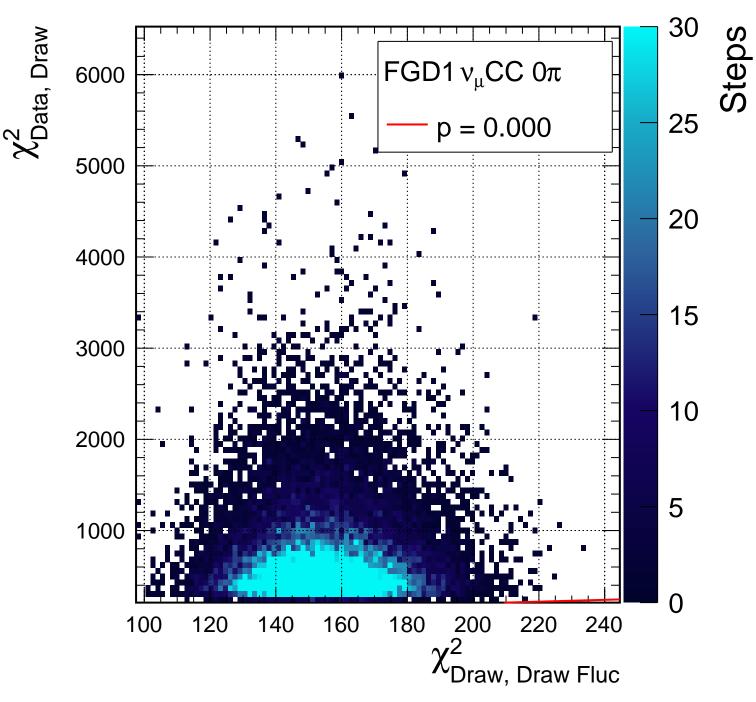
DataDrawFluc



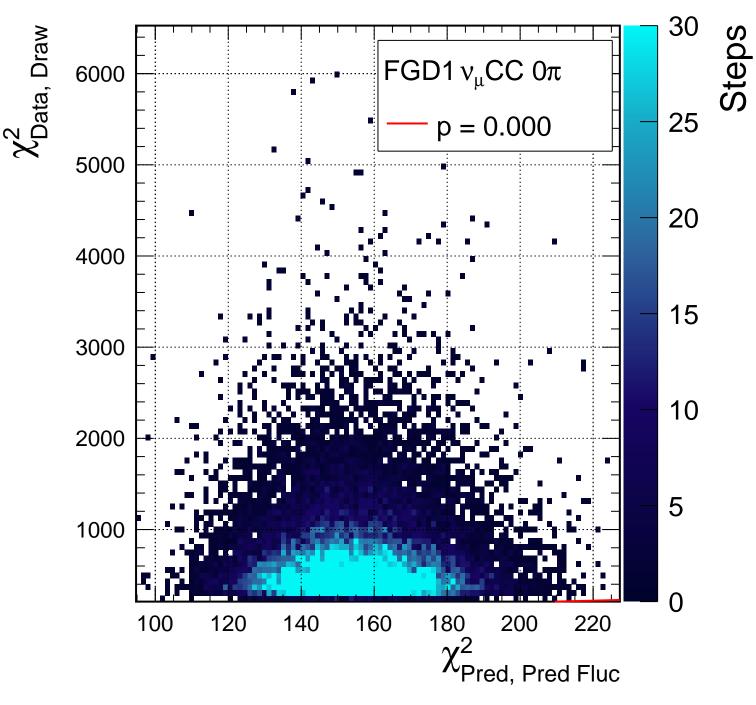
DataPredFluc



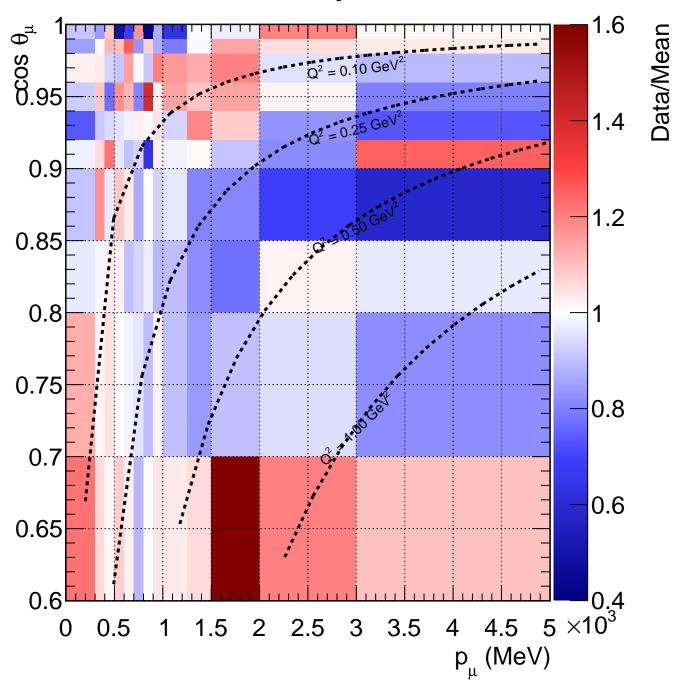
DataDrawFluc



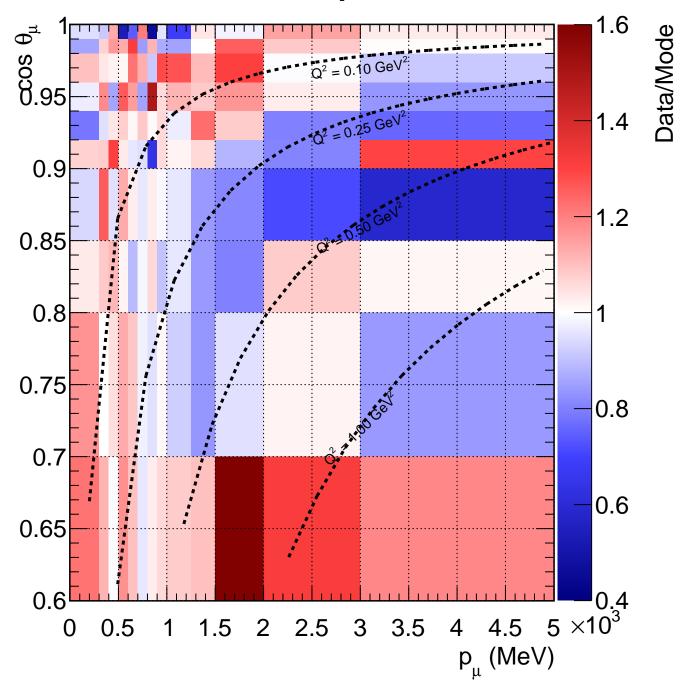
DataPredFluc



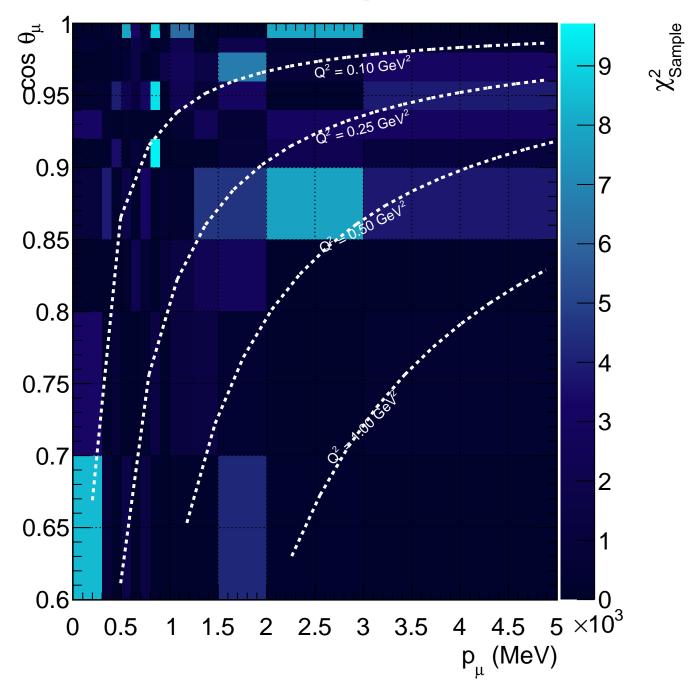
FGD1_numuCC_0pi_mean_ratio



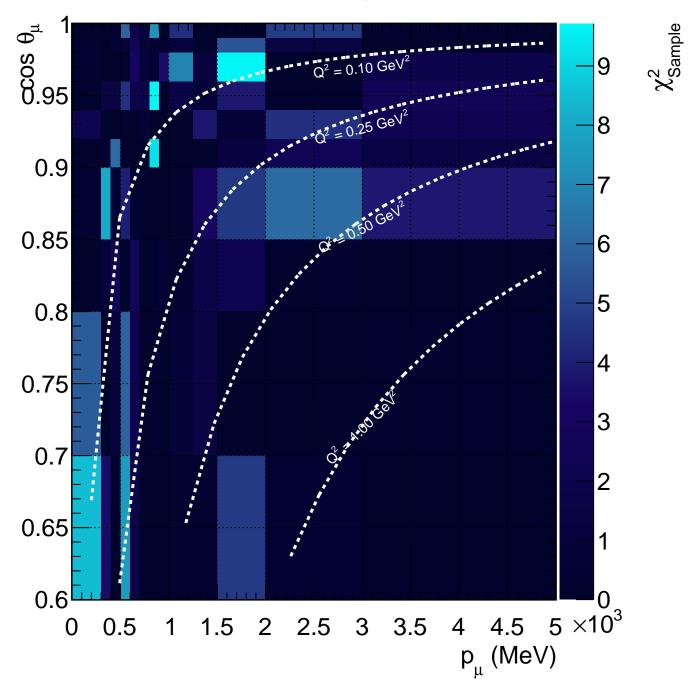
FGD1_numuCC_0pi_mode_ratio



FGD1_numuCC_0pi_MeanInL



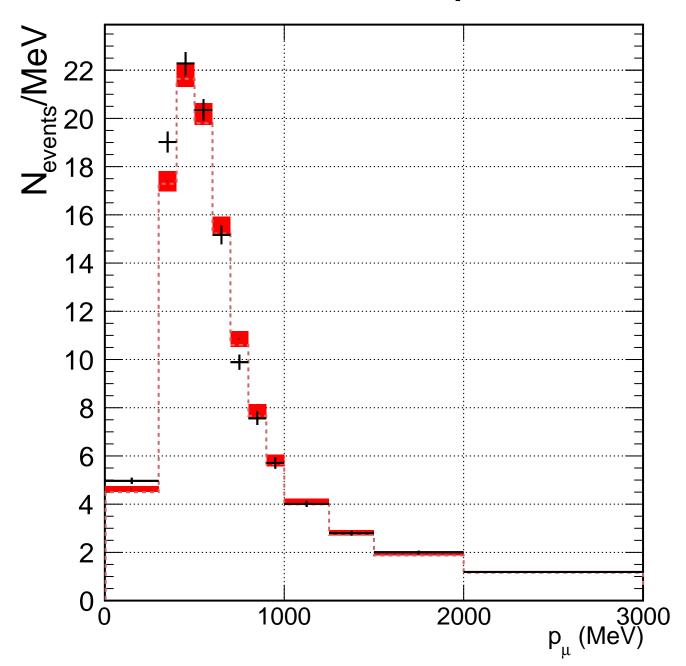
FGD1_numuCC_0pi_ModelnL

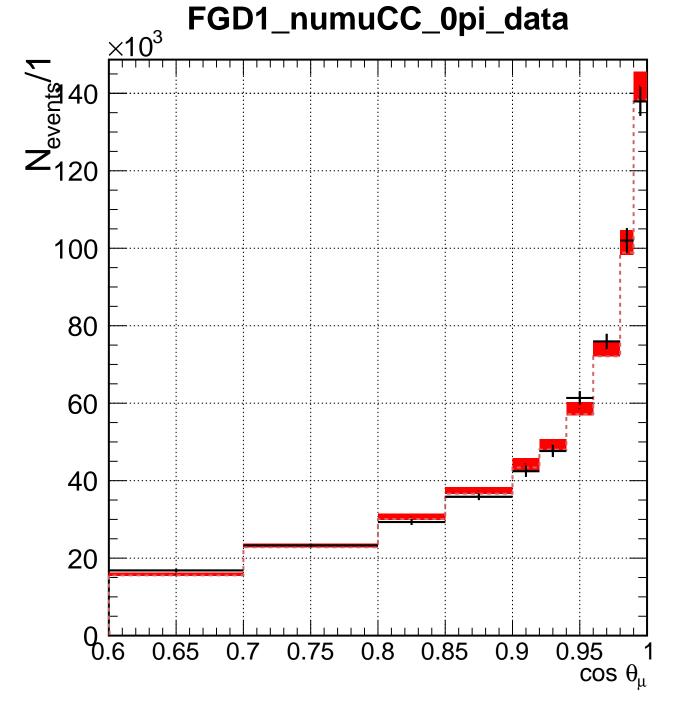


FGD1_numuCC_0pi_sum_17136 Data, 17136, p-value=0.45 MC, μ =16837.5±2094.2 Gauss, μ =16990.2±2208.1

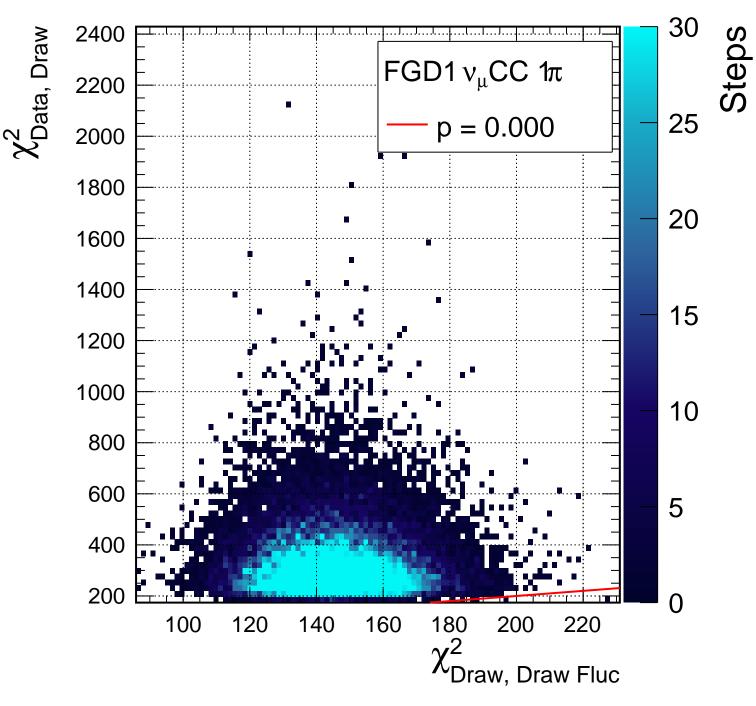
Nevents

FGD1_numuCC_0pi_data

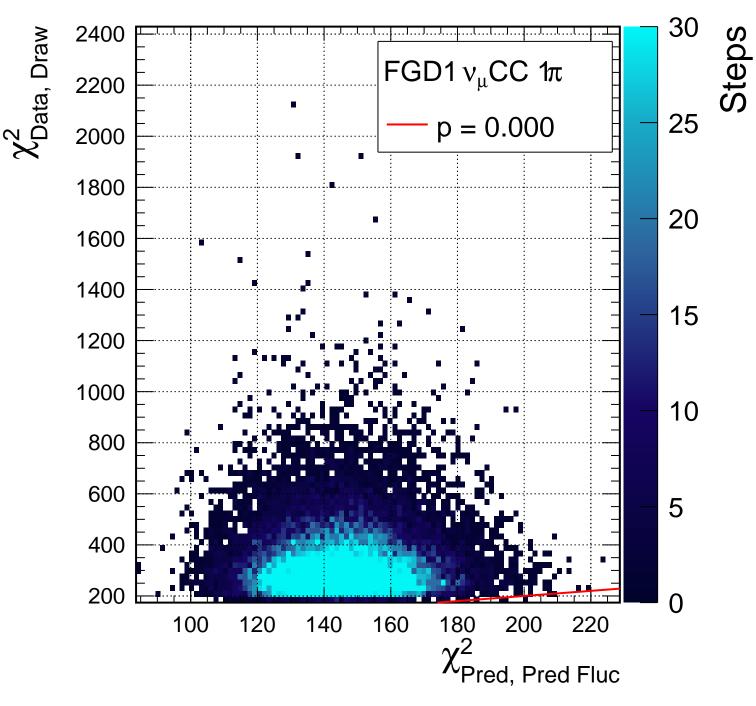




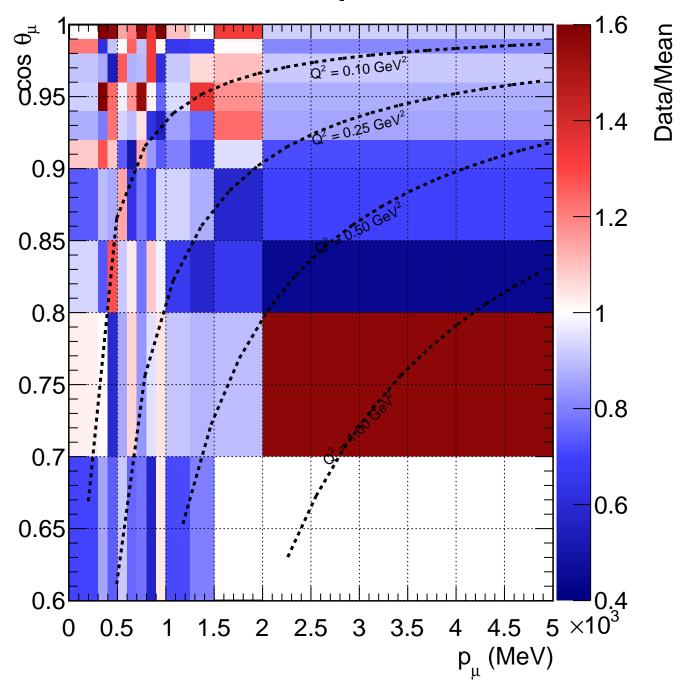
DataDrawFluc



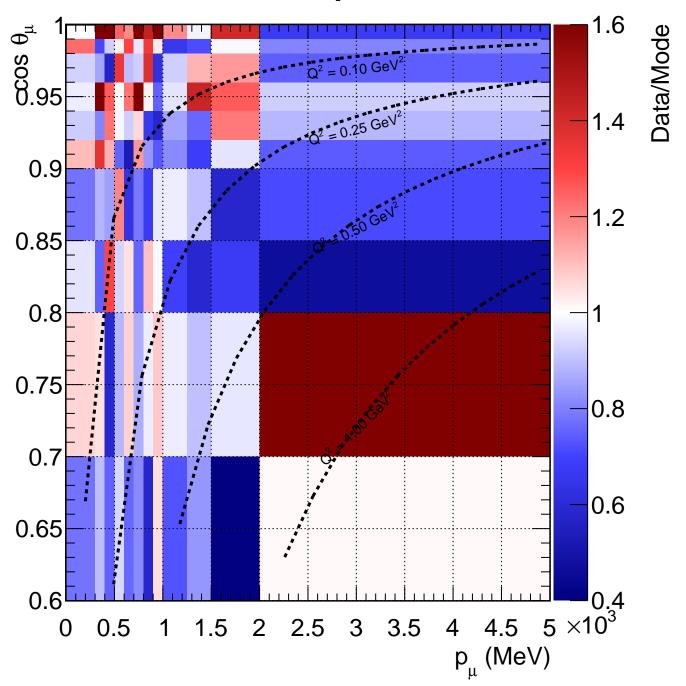
DataPredFluc



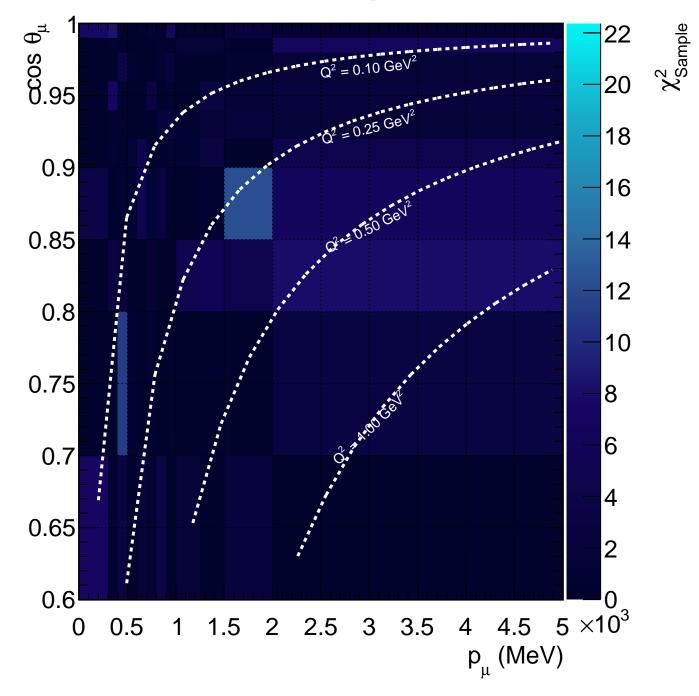
FGD1_numuCC_1pi_mean_ratio



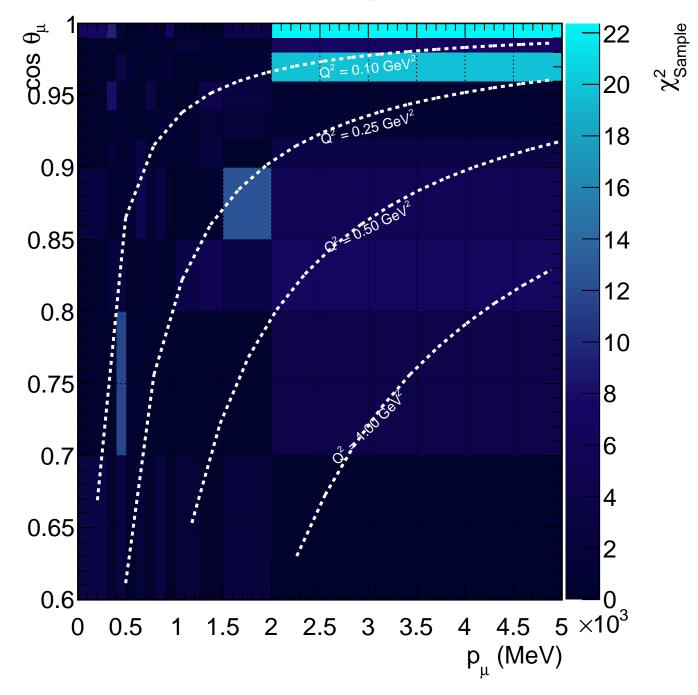
FGD1_numuCC_1pi_mode_ratio



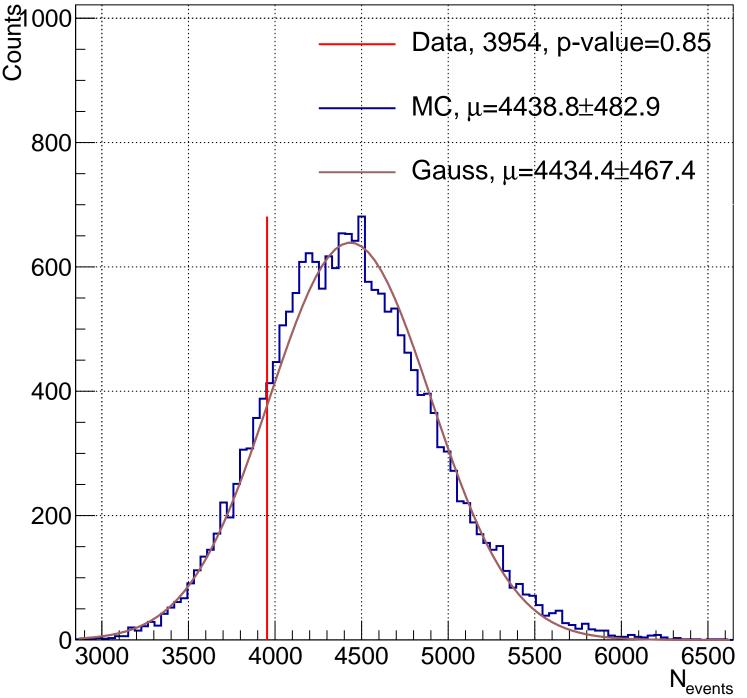
FGD1_numuCC_1pi_MeanInL



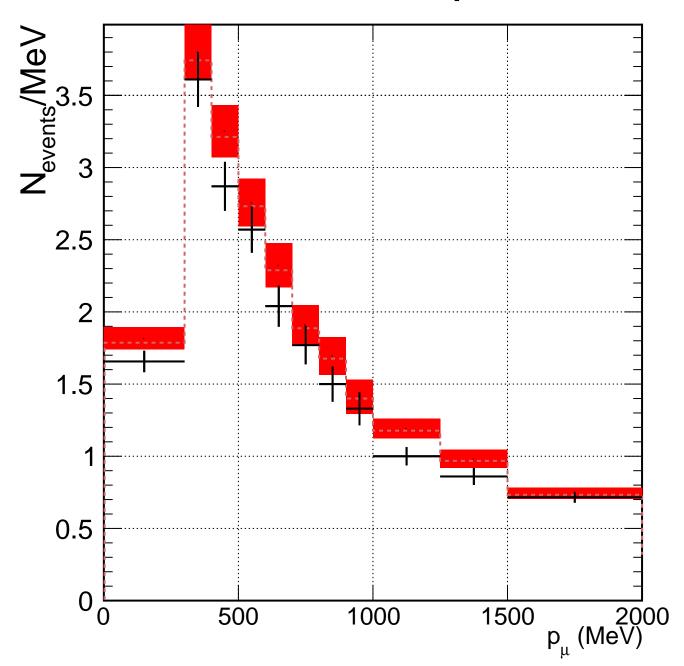
FGD1_numuCC_1pi_ModelnL



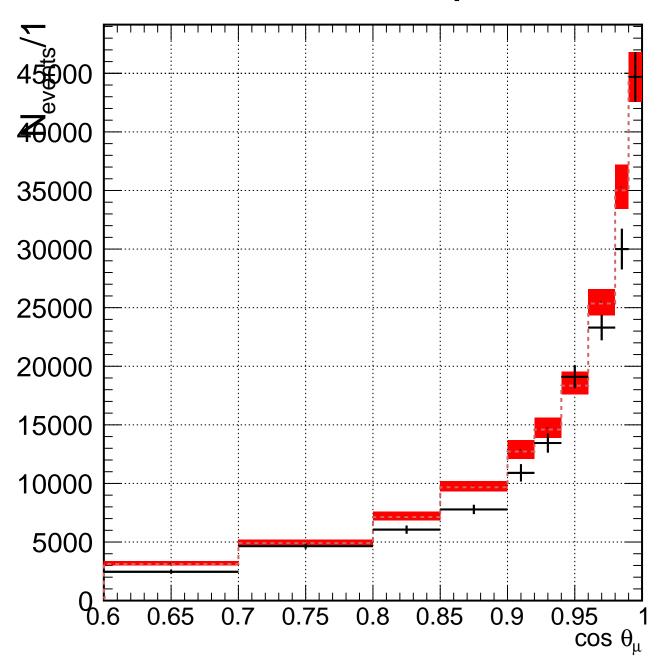
FGD1_numuCC_1pi_sum_3954



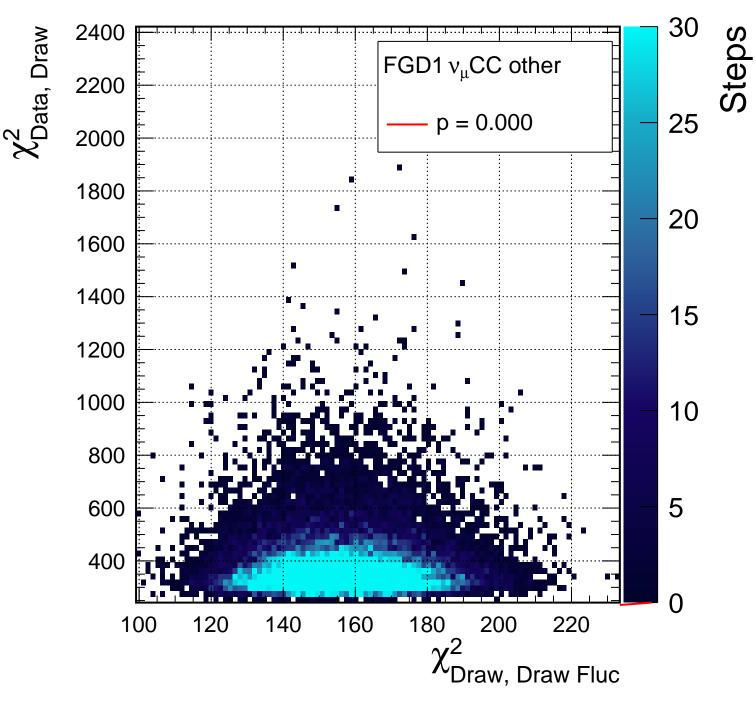
FGD1_numuCC_1pi_data



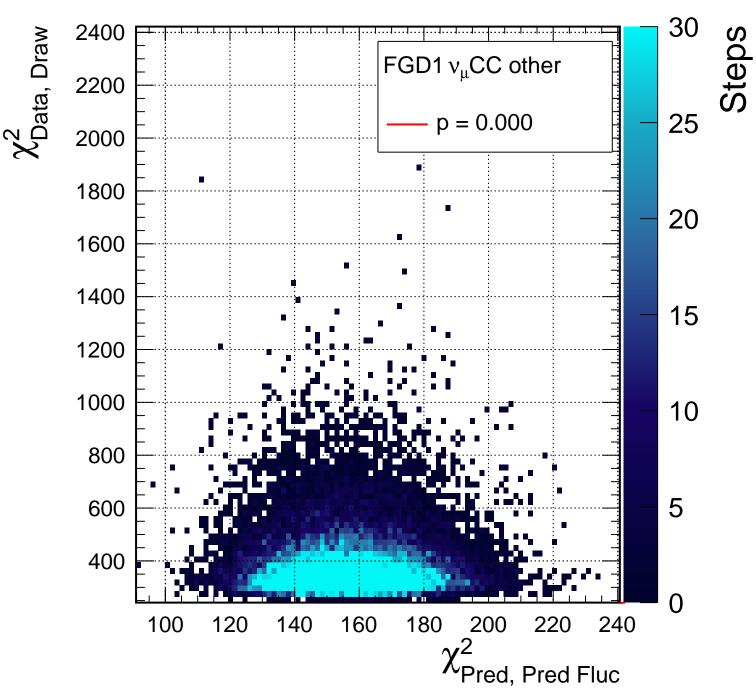
FGD1_numuCC_1pi_data



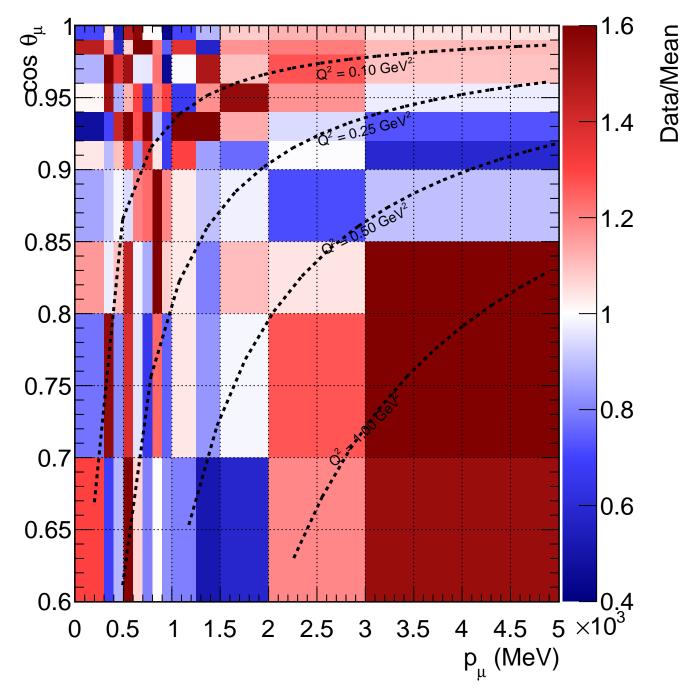
DataDrawFluc



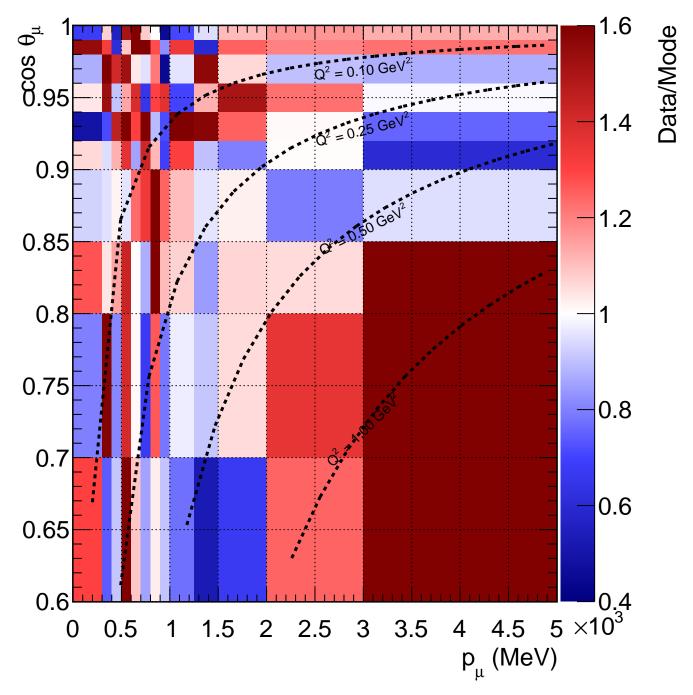
DataPredFluc



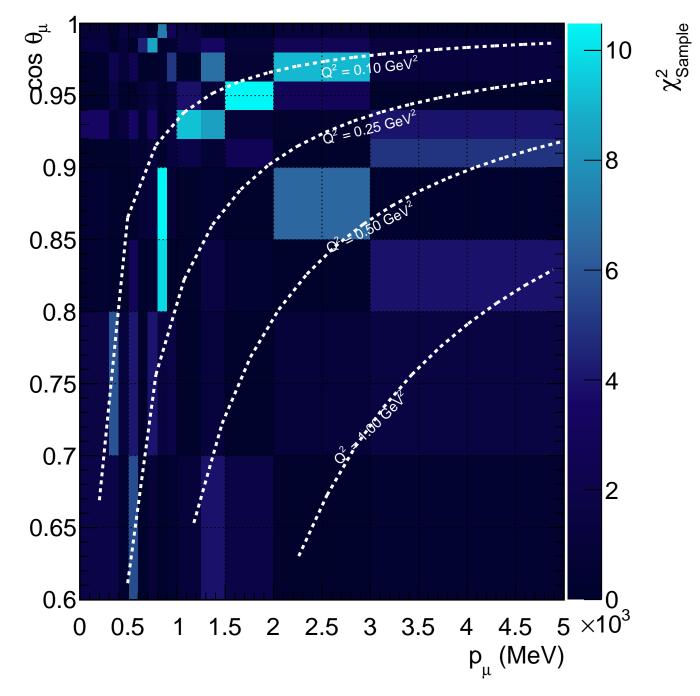
FGD1_numuCC_other_mean_ratio



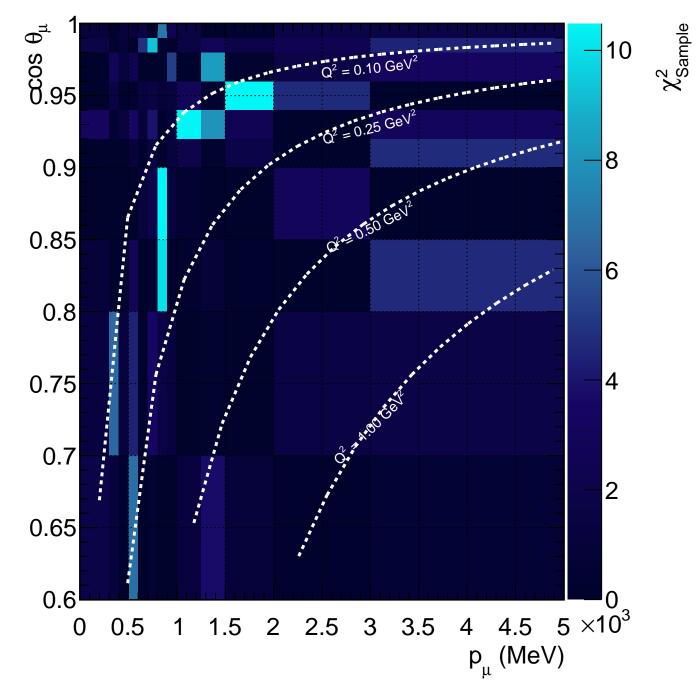
FGD1_numuCC_other_mode_ratio



FGD1_numuCC_other_MeanInL



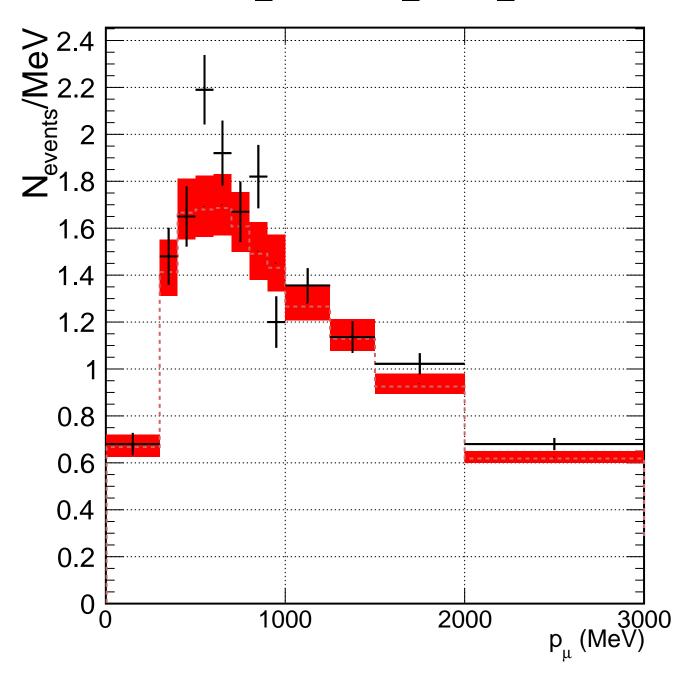
FGD1_numuCC_other_ModeInL



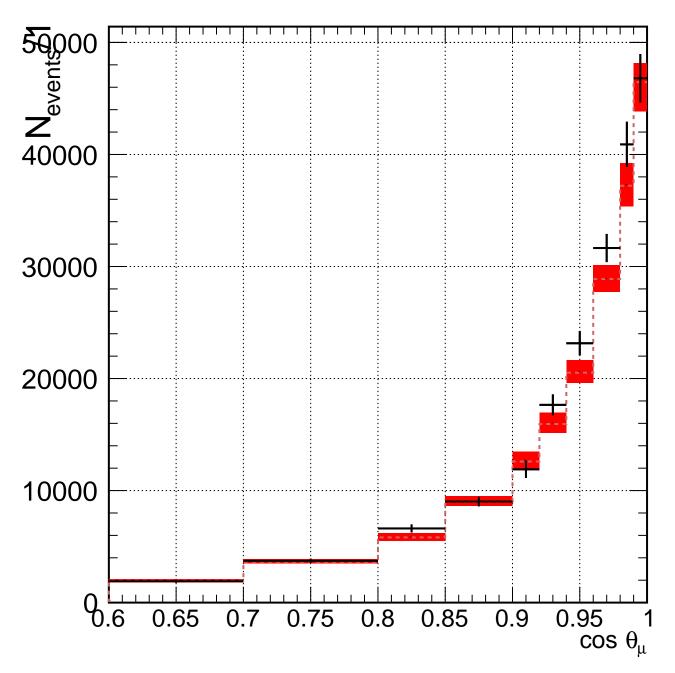
FGD1_numuCC_other_sum_4149 Counts Data, 4149, p-value=0.36 MC, μ =3974.0±516.8 Gauss, μ =3979.2±516.1

events

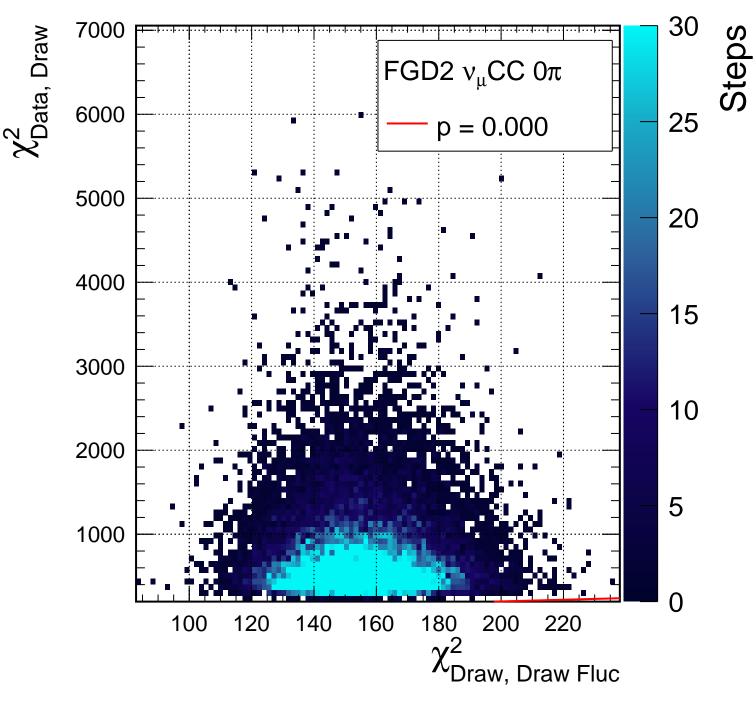
FGD1_numuCC_other_data



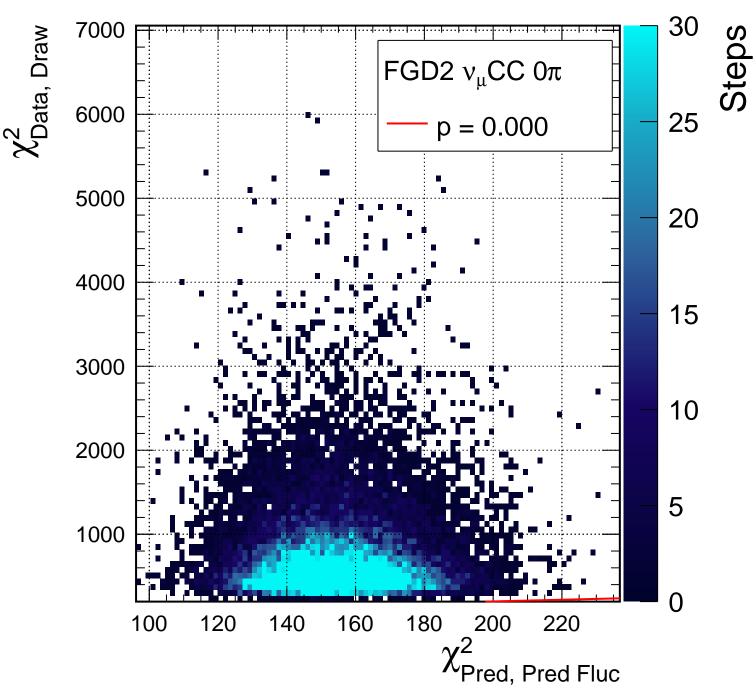
FGD1_numuCC_other_data



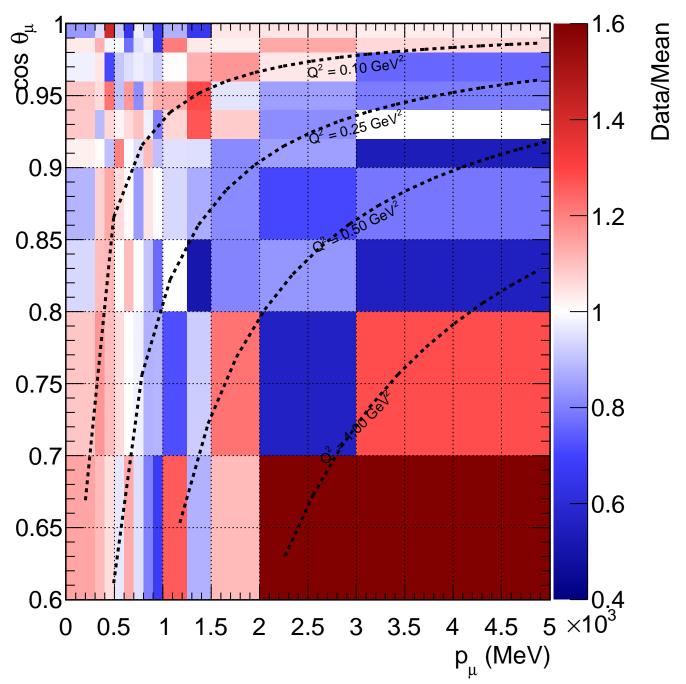
DataDrawFluc



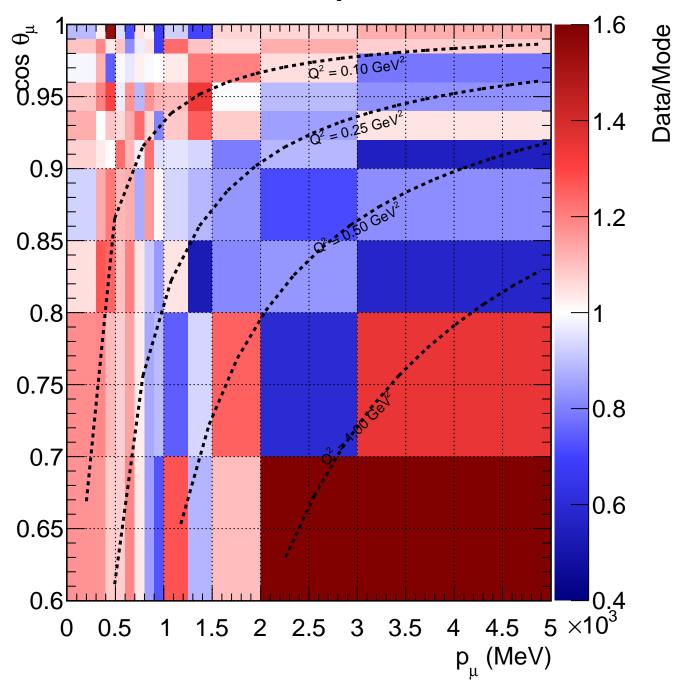
DataPredFluc



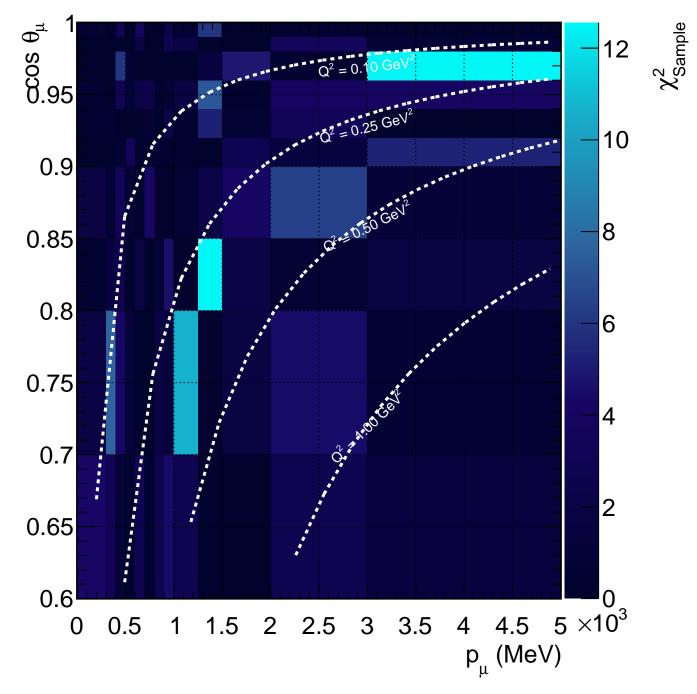
FGD2_numuCC_0pi_mean_ratio



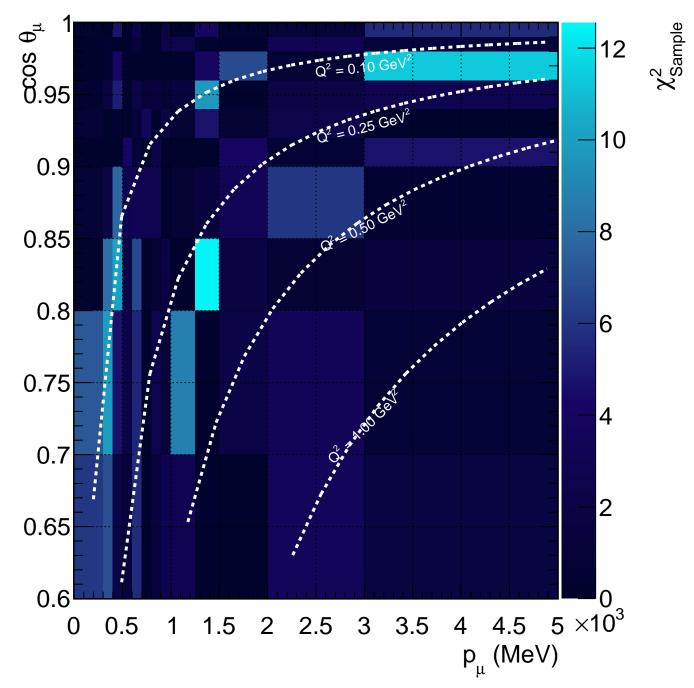
FGD2_numuCC_0pi_mode_ratio



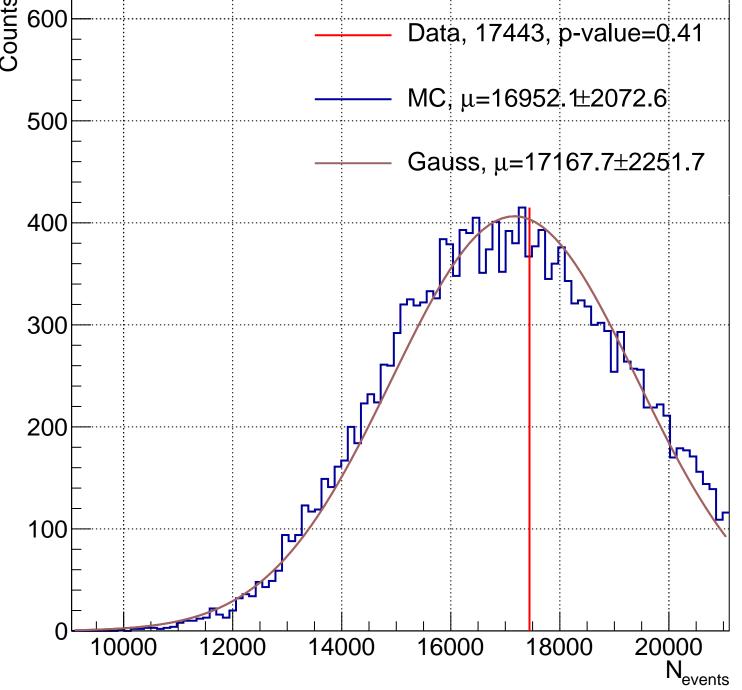
FGD2_numuCC_0pi_MeanInL



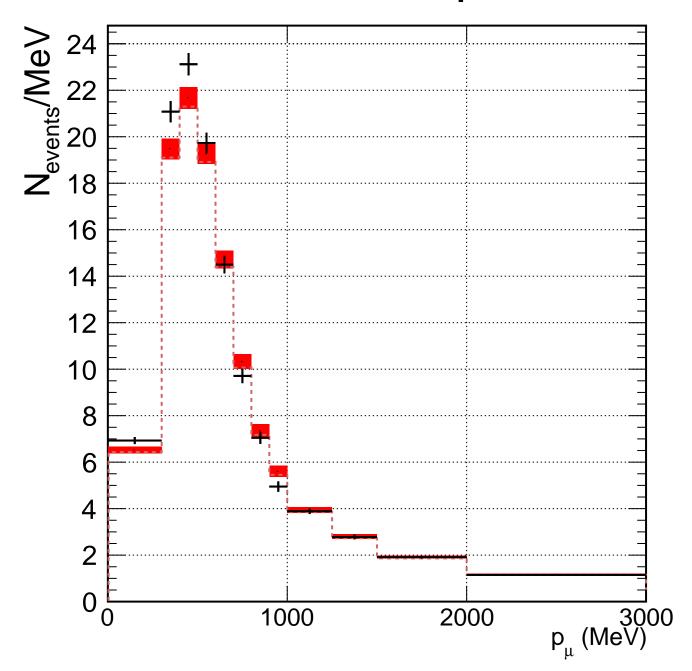
FGD2_numuCC_0pi_ModelnL



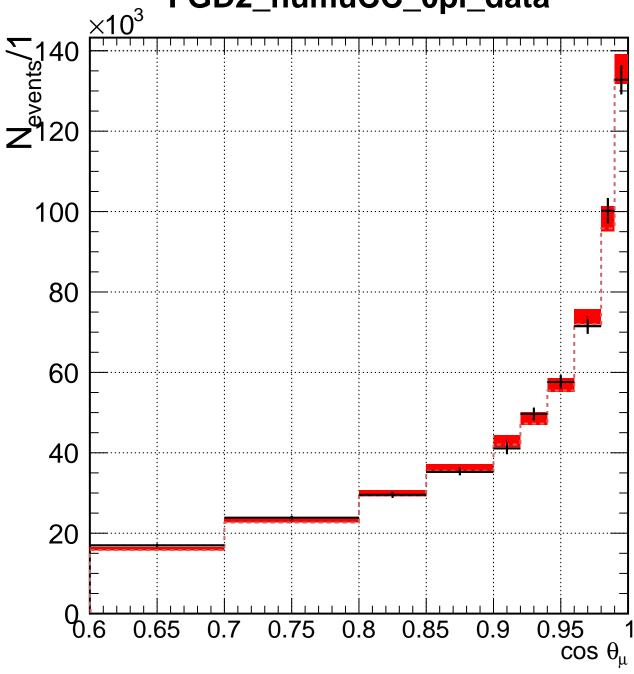
FGD2_numuCC_0pi_sum_17443



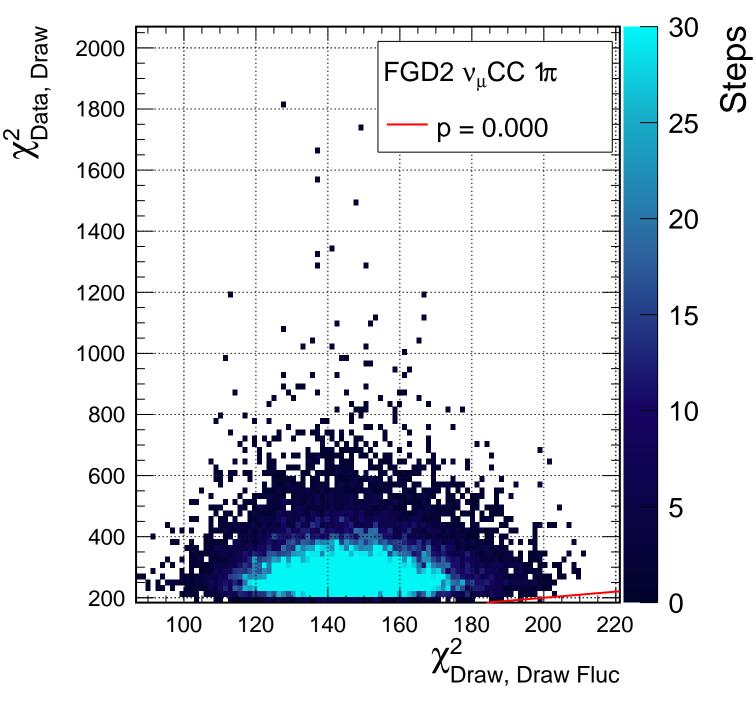
FGD2_numuCC_0pi_data



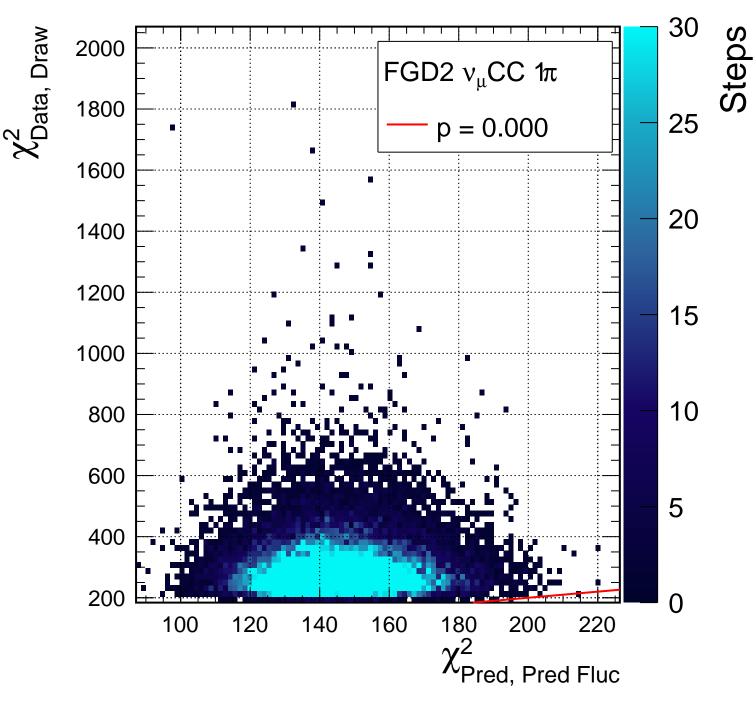
FGD2_numuCC_0pi_data



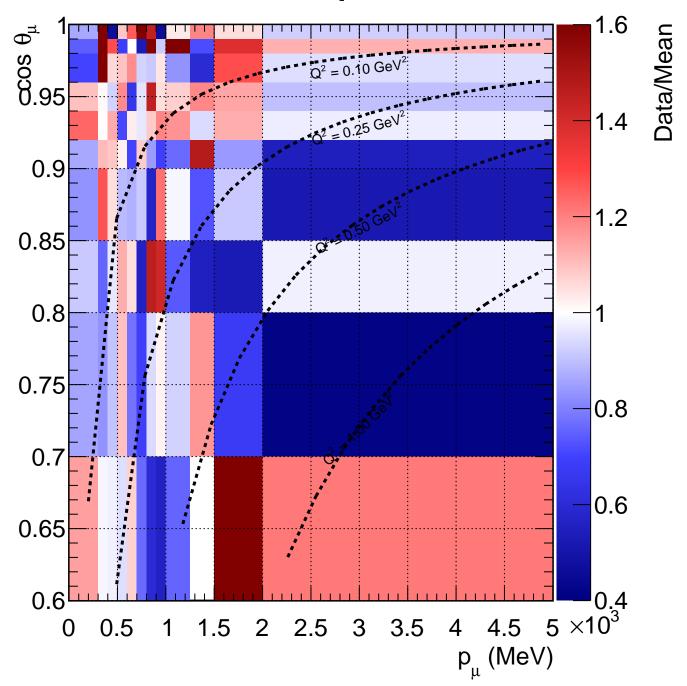
DataDrawFluc



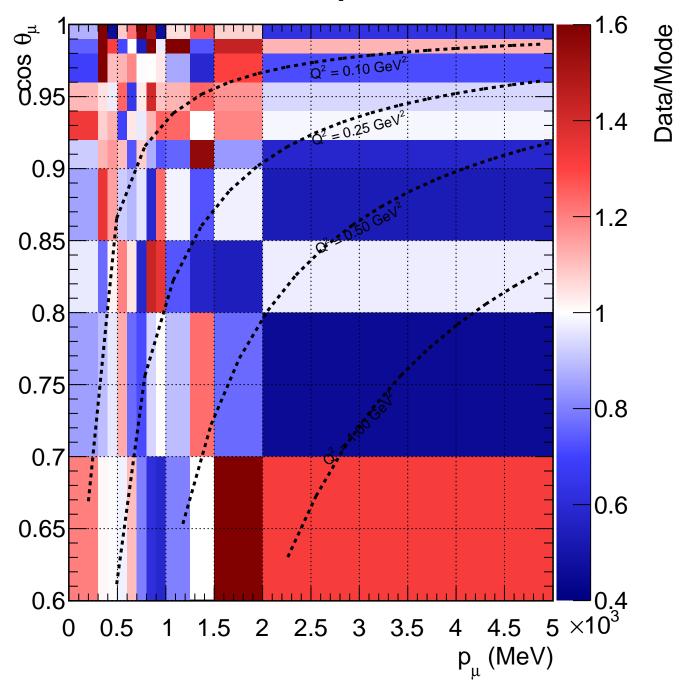
DataPredFluc



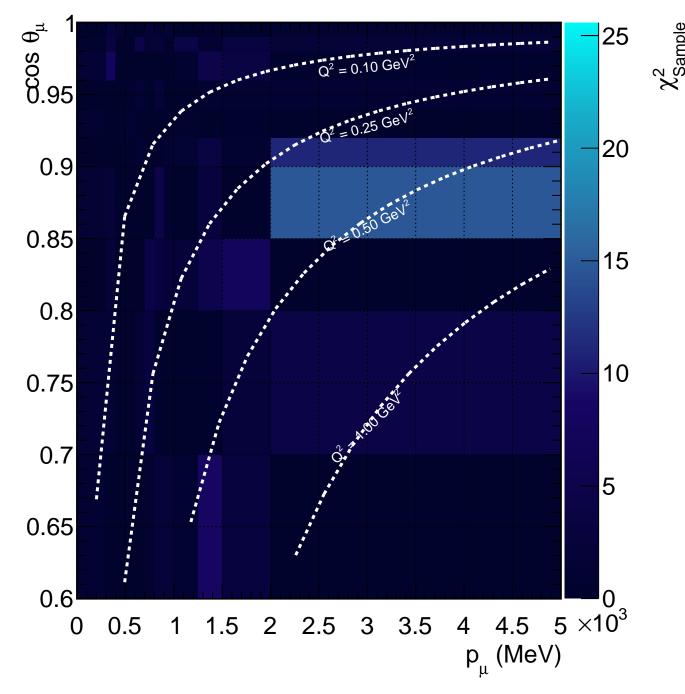
FGD2_numuCC_1pi_mean_ratio



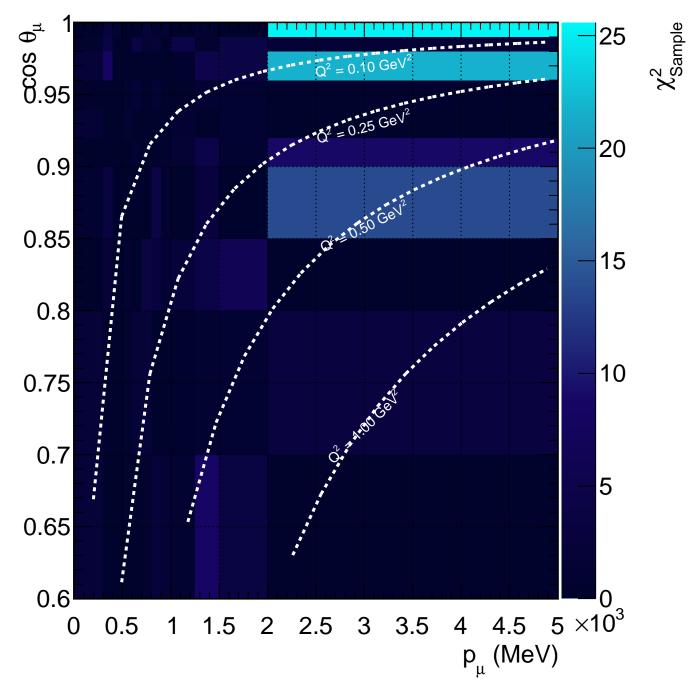
FGD2_numuCC_1pi_mode_ratio



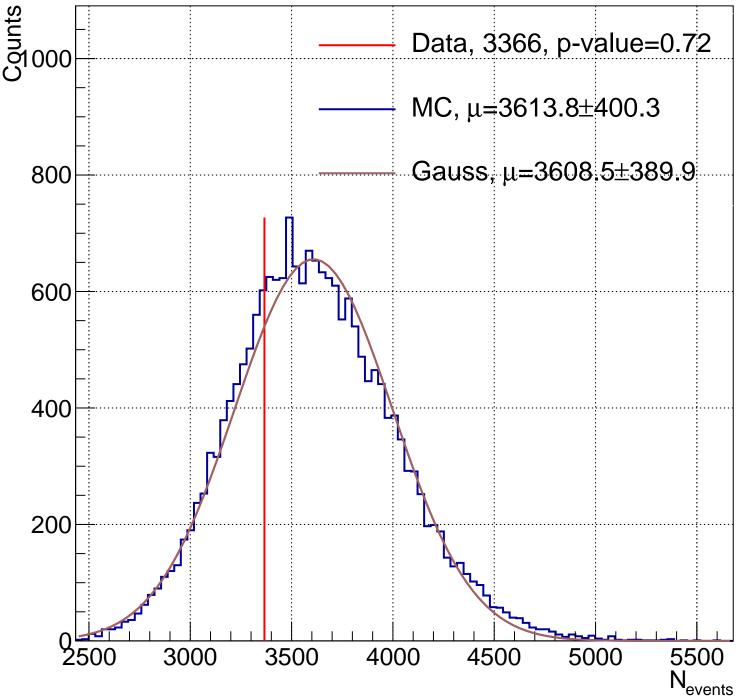
FGD2_numuCC_1pi_MeanInL



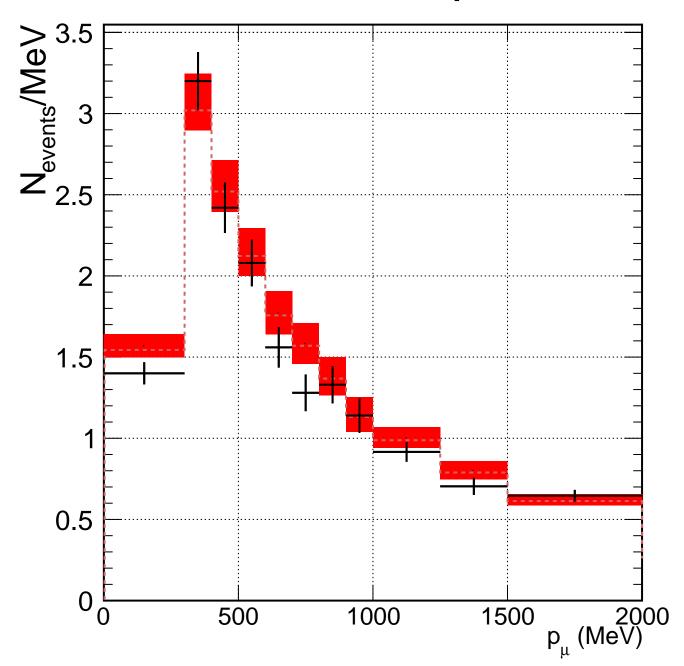
FGD2_numuCC_1pi_ModelnL



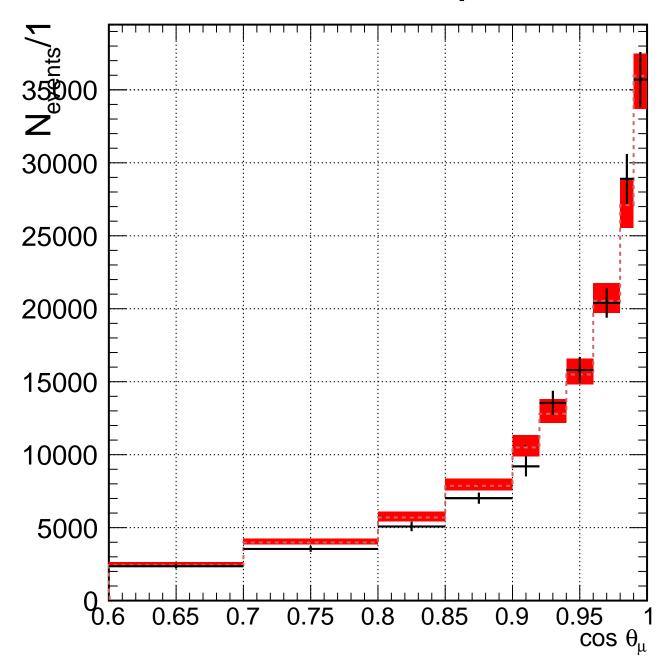
FGD2_numuCC_1pi_sum_3366 Data, 3366, p-value=0.72



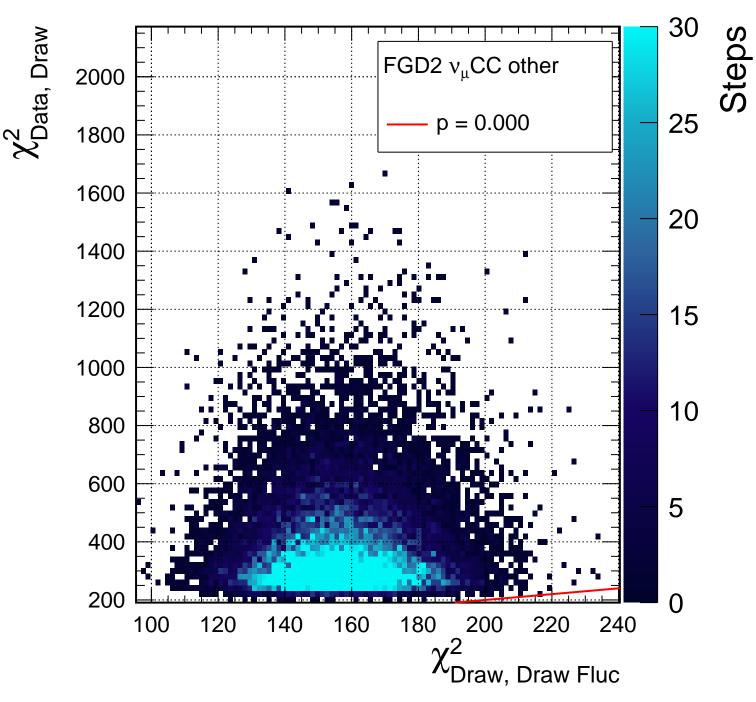
FGD2_numuCC_1pi_data



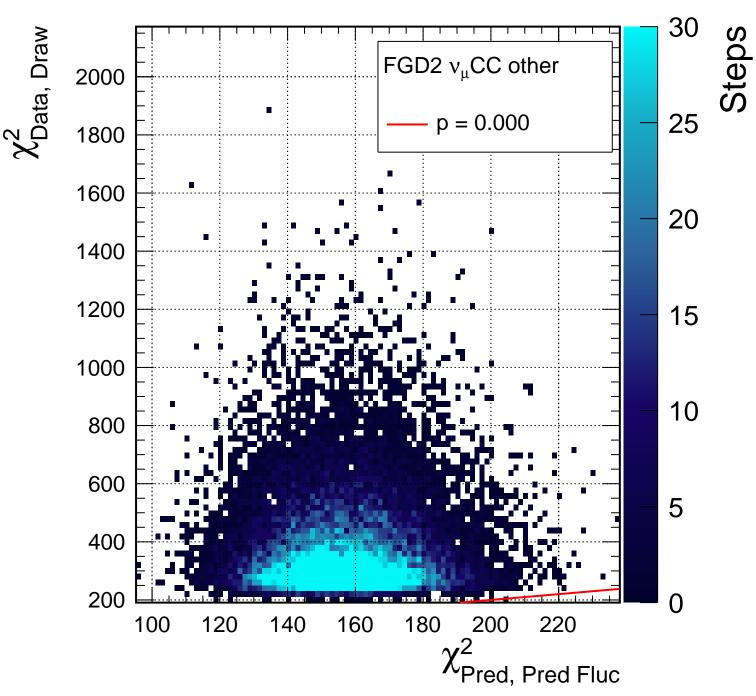
FGD2_numuCC_1pi_data



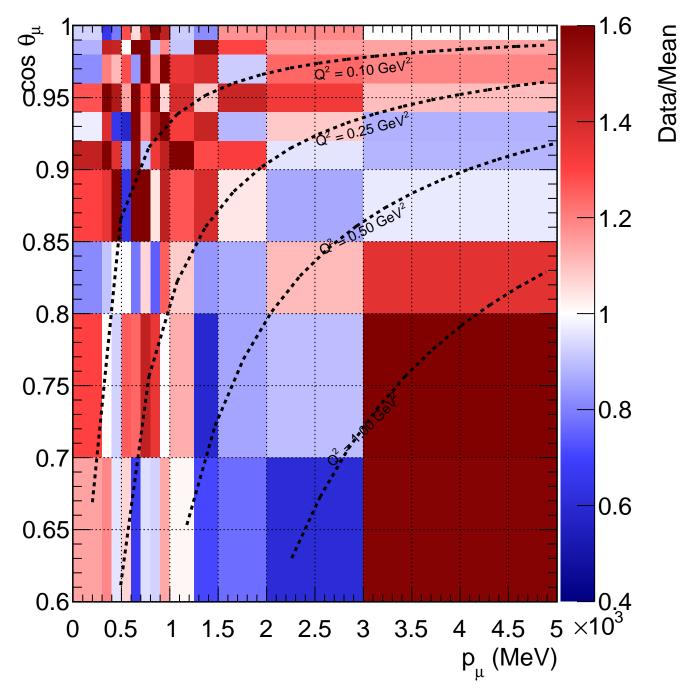
DataDrawFluc



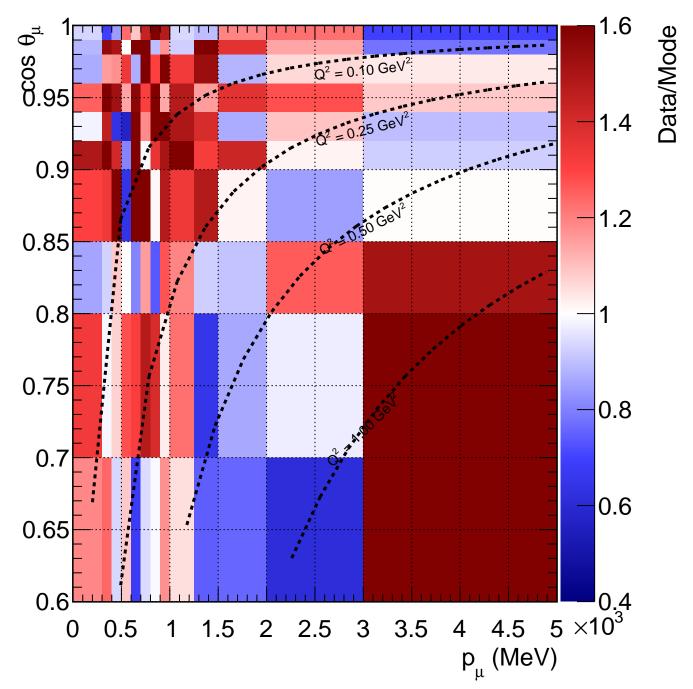
DataPredFluc



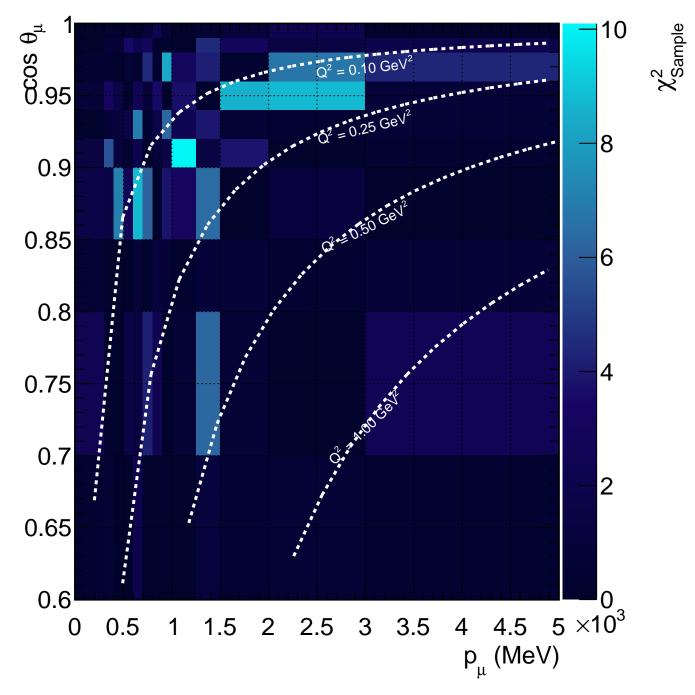
FGD2_numuCC_other_mean_ratio



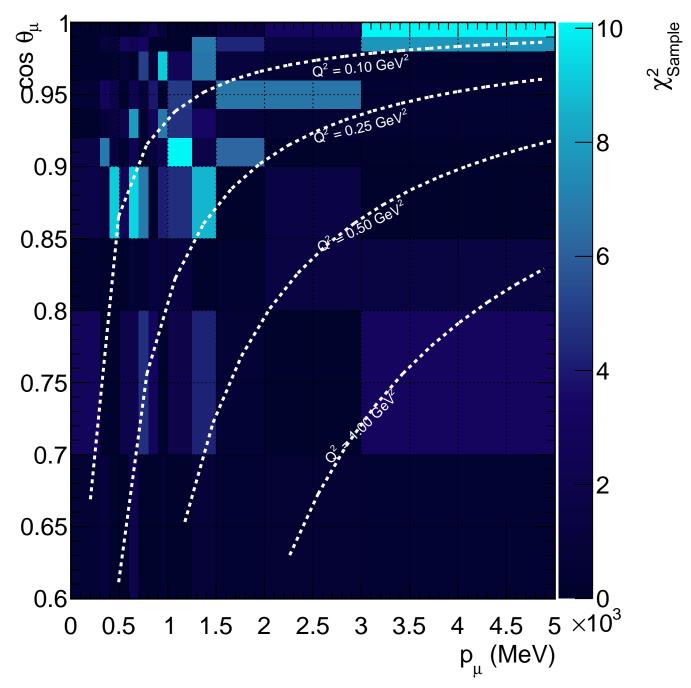
FGD2_numuCC_other_mode_ratio



FGD2_numuCC_other_MeanInL



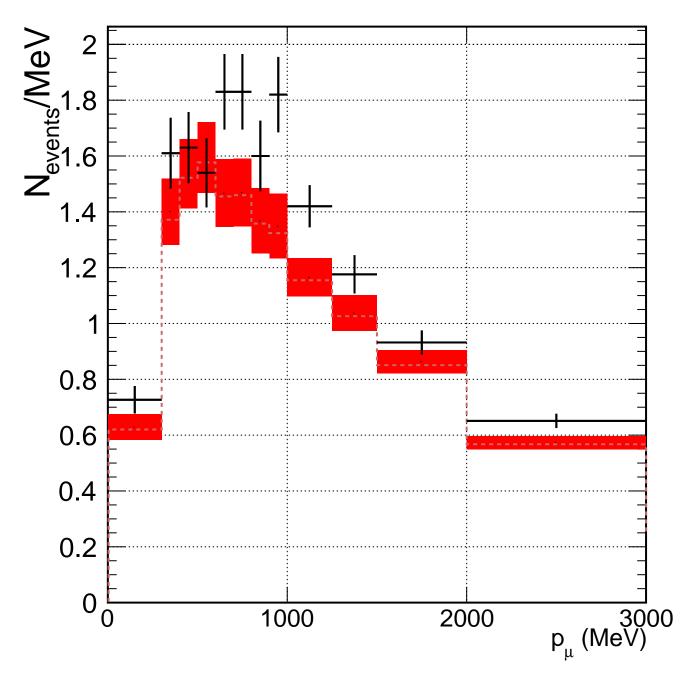
FGD2_numuCC_other_ModeInL



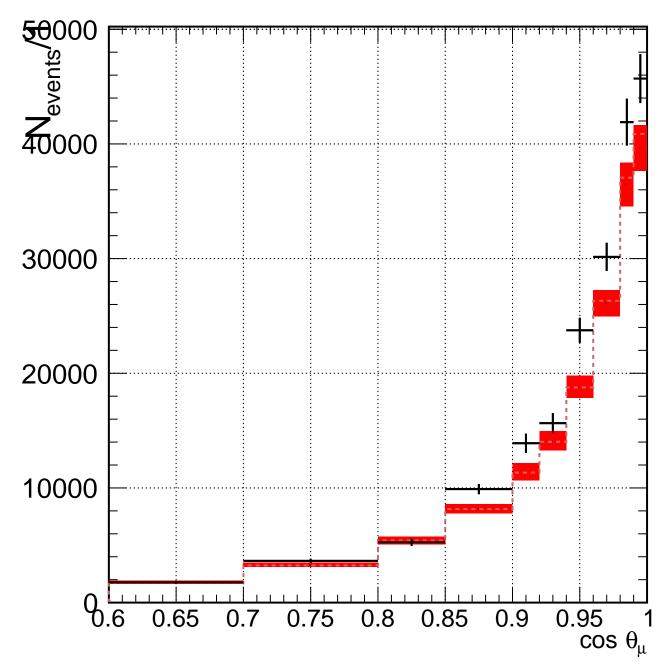
FGD2_numuCC_other_sum_4075 Data, 4075, p-value=0.16 MC, μ =3602.5 \pm 463.1 Gauss, μ =3604.9±457.0

^levents

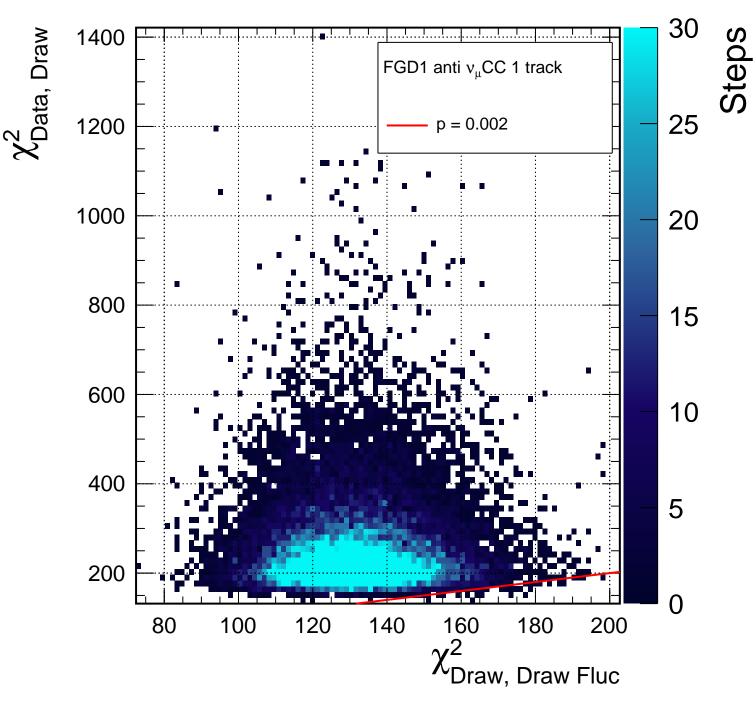
FGD2_numuCC_other_data



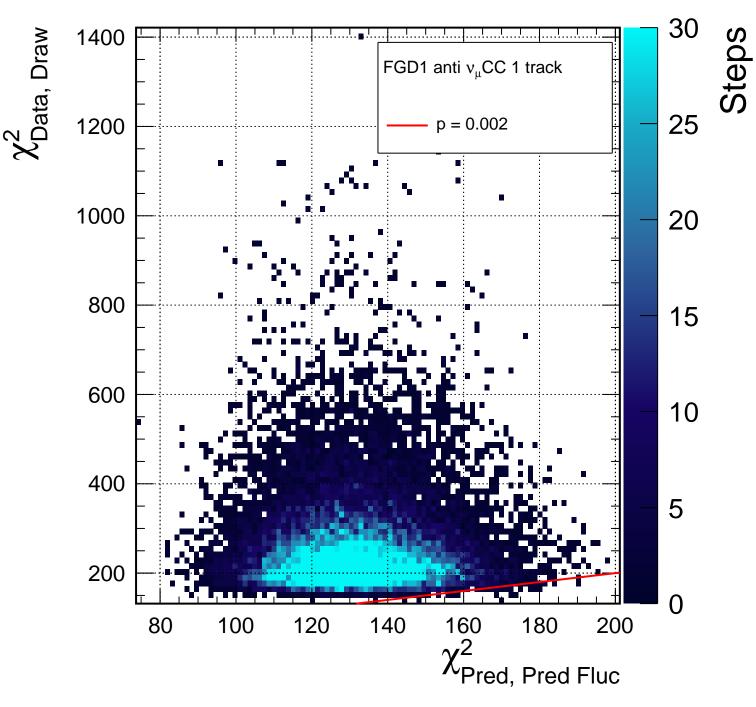
FGD2_numuCC_other_data



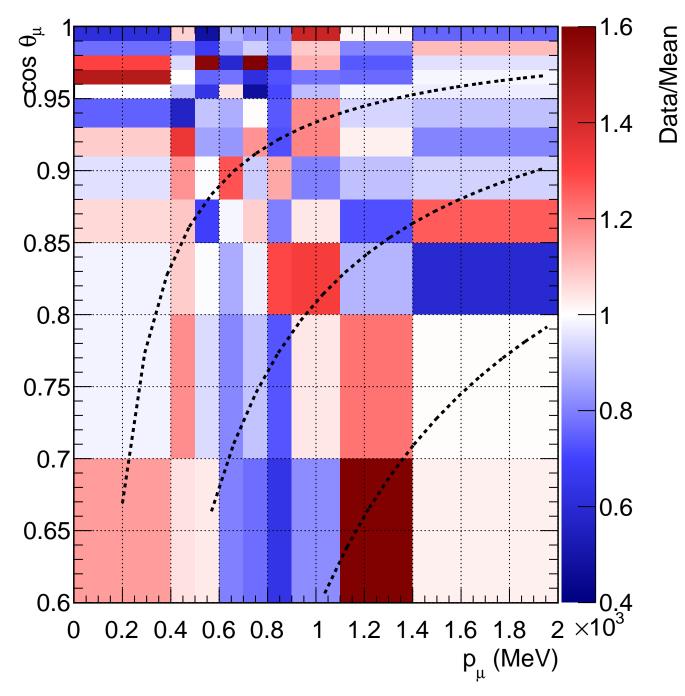
DataDrawFluc



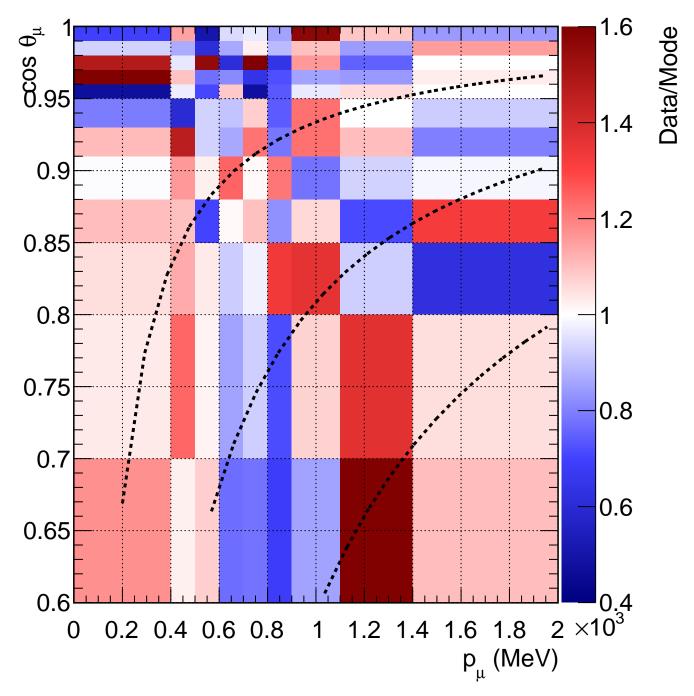
DataPredFluc



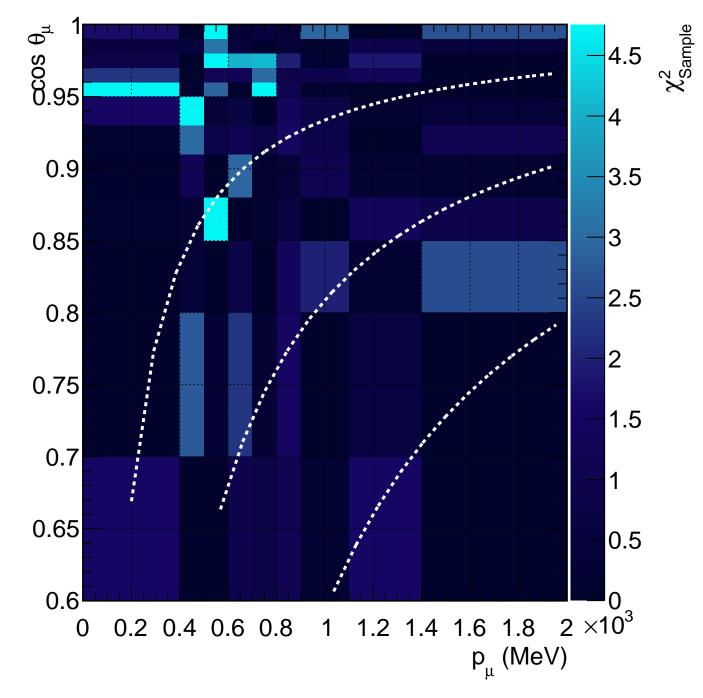
FGD1_anti-numuCC_QE_mean_ratio



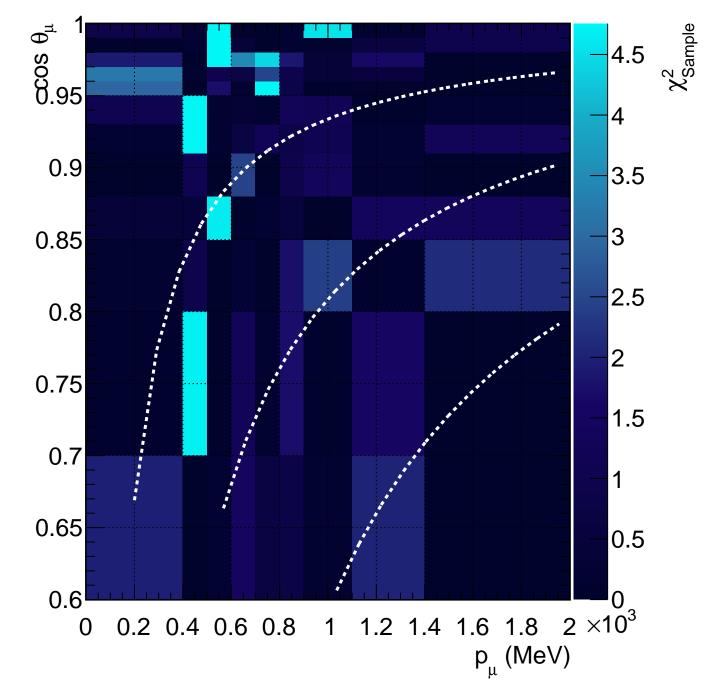
FGD1_anti-numuCC_QE_mode_ratio



FGD1_anti-numuCC_QE_MeanInL



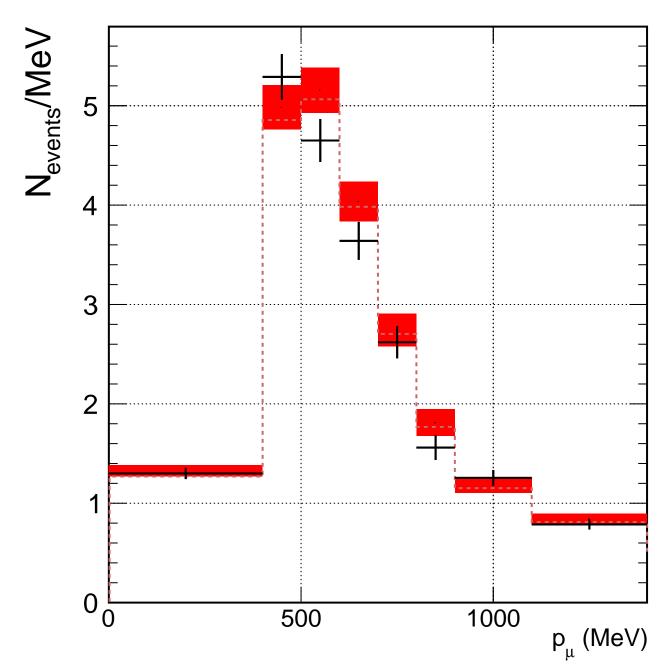
FGD1_anti-numuCC_QE_ModeInL



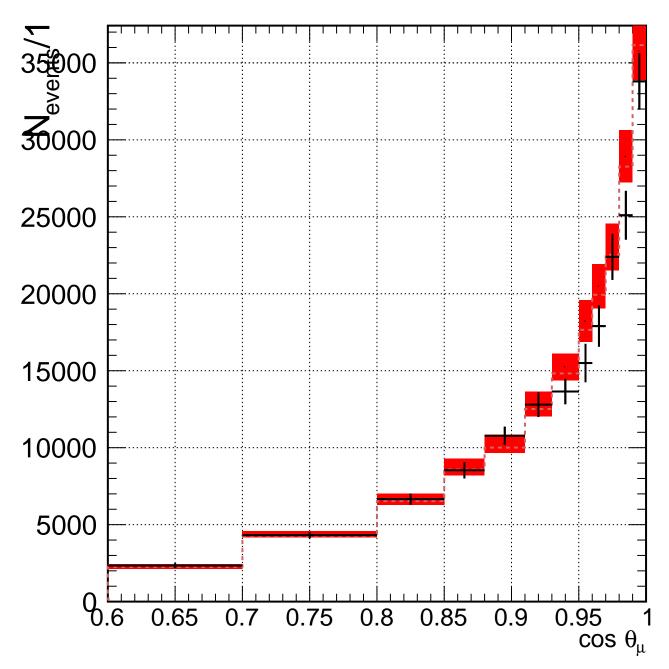
FGD1_anti-numuCC_QE_sum_3527 Counts Data, 3527, p-value=0.61 MC, μ =3688.8±477.3 Gauss, μ =3676.9±475.6

^levents

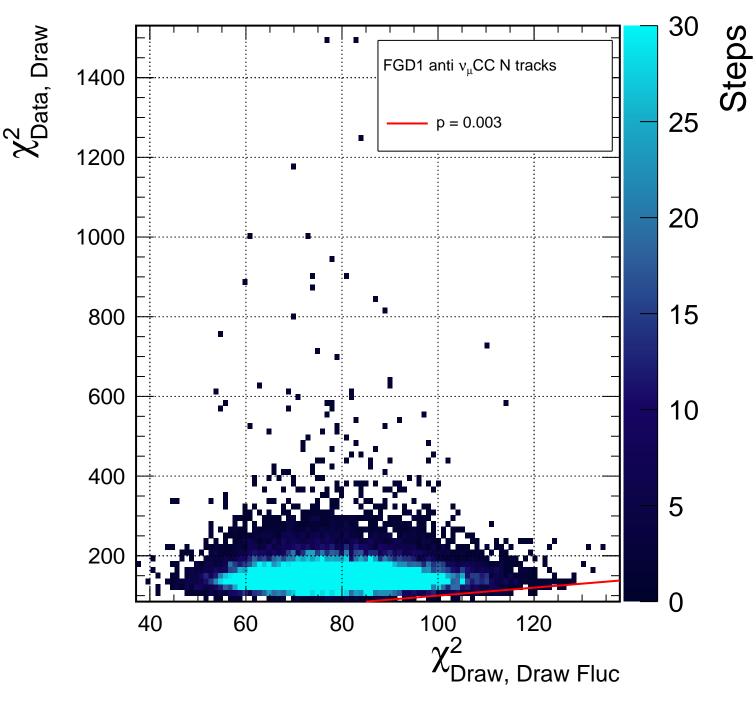
FGD1_anti-numuCC_QE_data



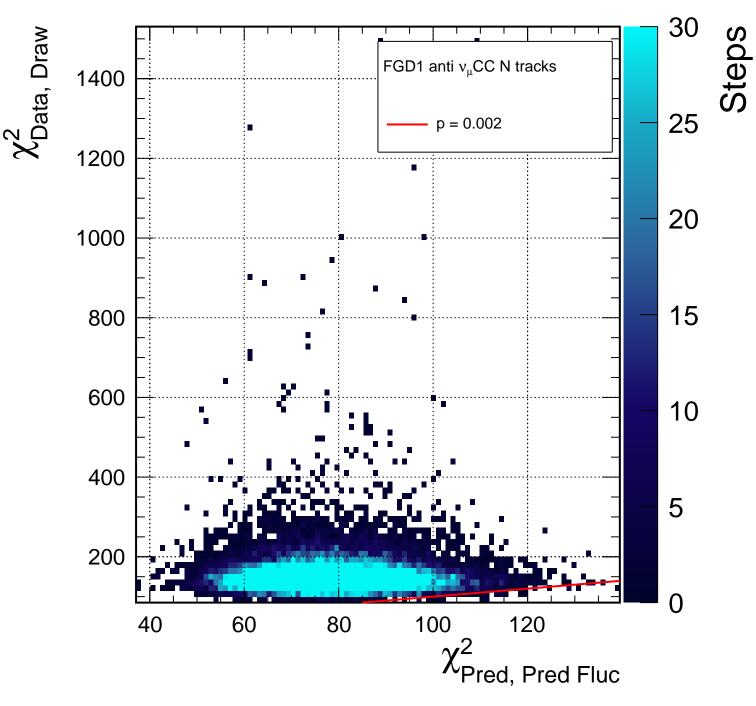
FGD1_anti-numuCC_QE_data



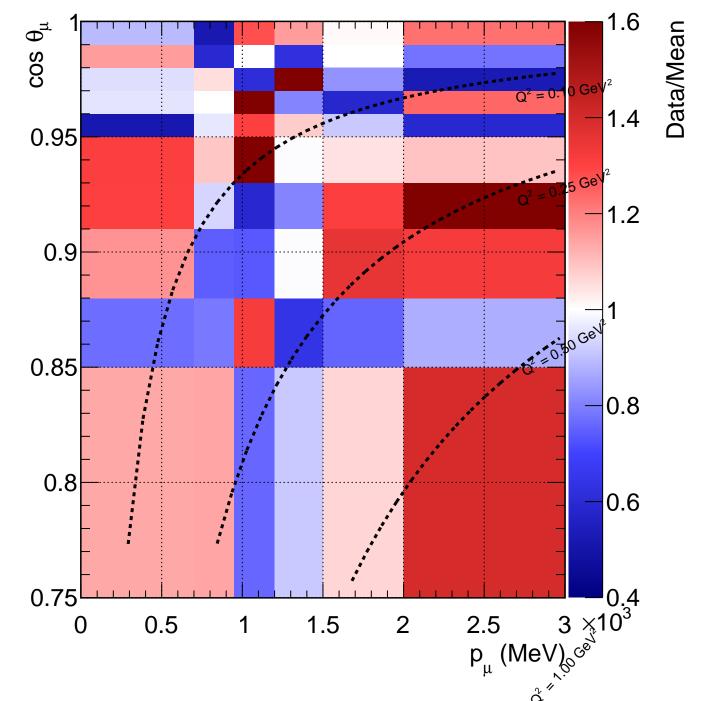
DataDrawFluc



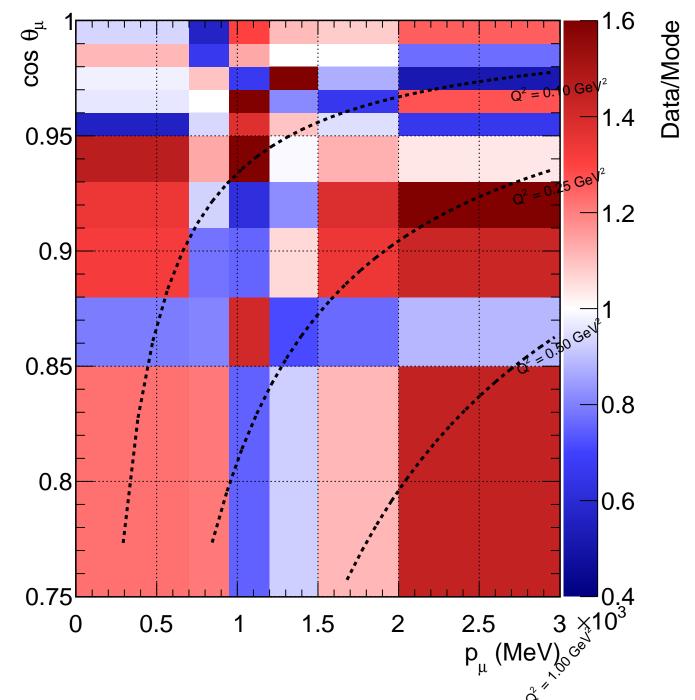
DataPredFluc



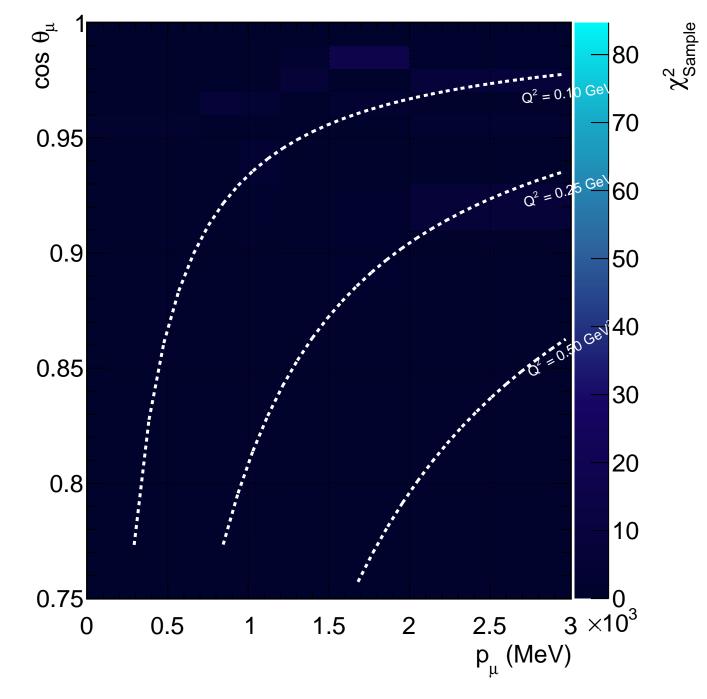
FGD1_anti-numuCC_nQE_mean_ratio



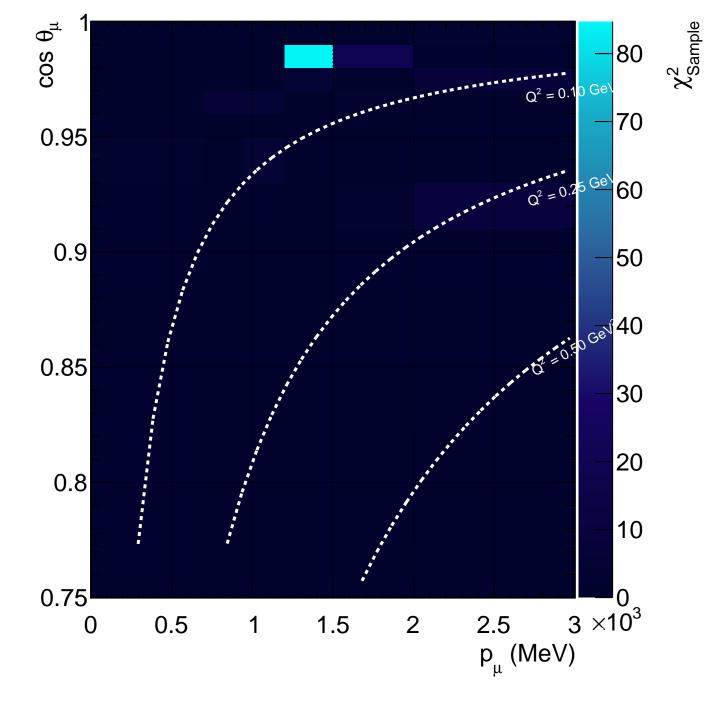
FGD1_anti-numuCC_nQE_mode_ratio

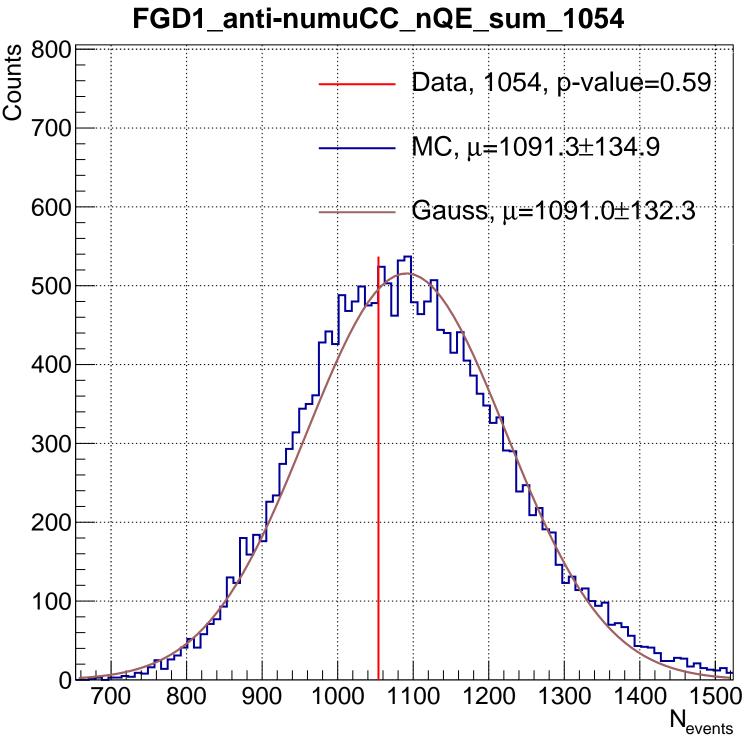


FGD1_anti-numuCC_nQE_MeanInL

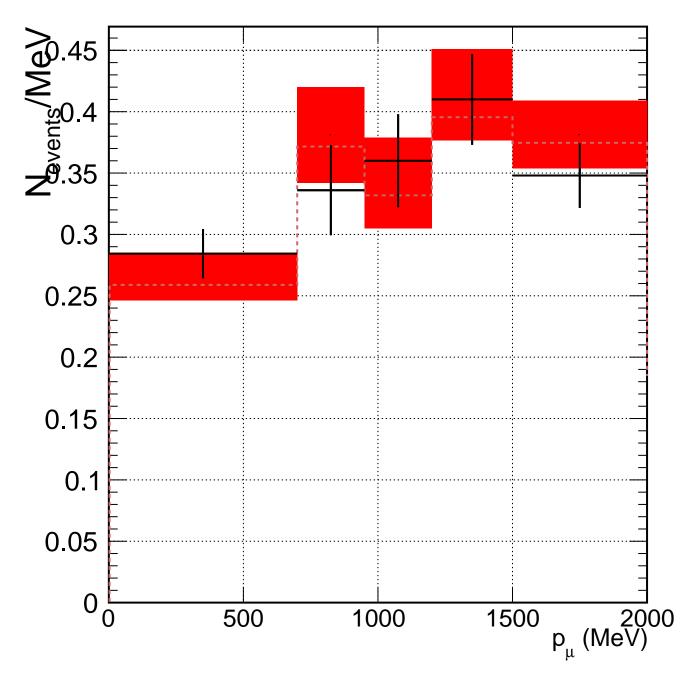


FGD1_anti-numuCC_nQE_ModeInL

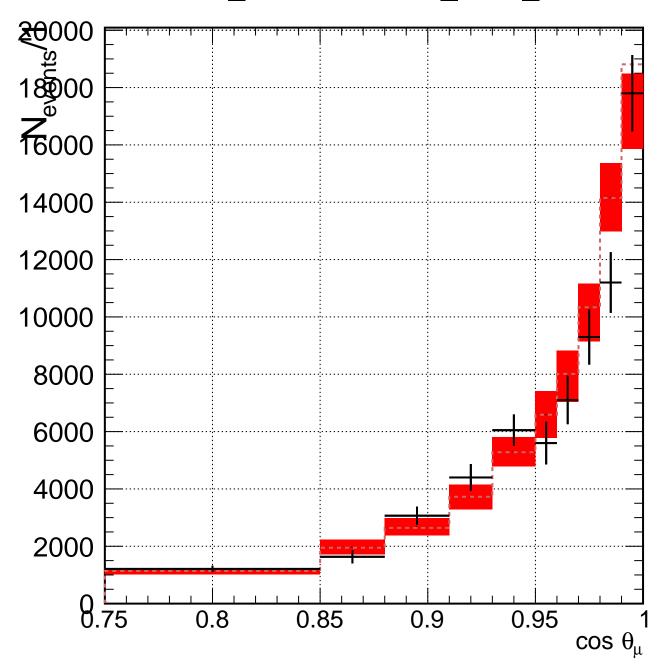


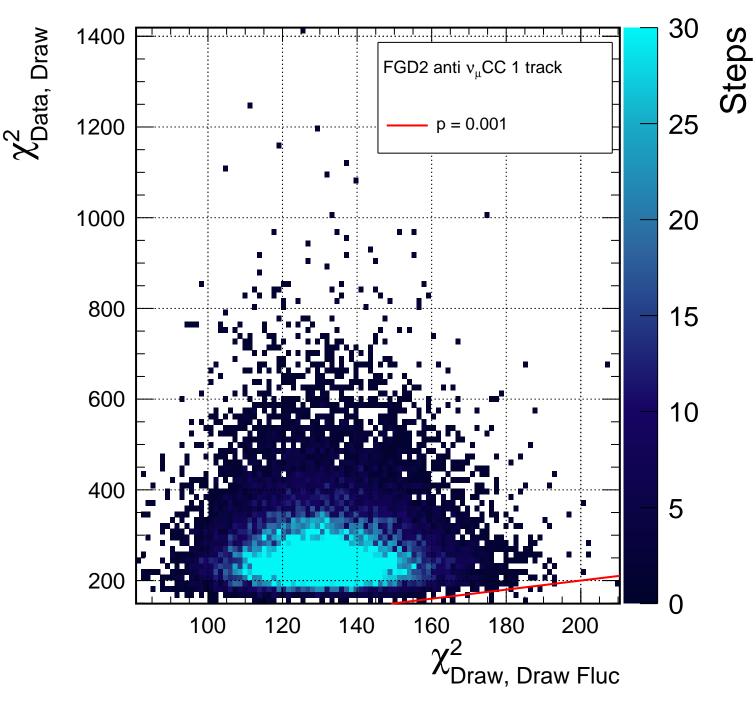


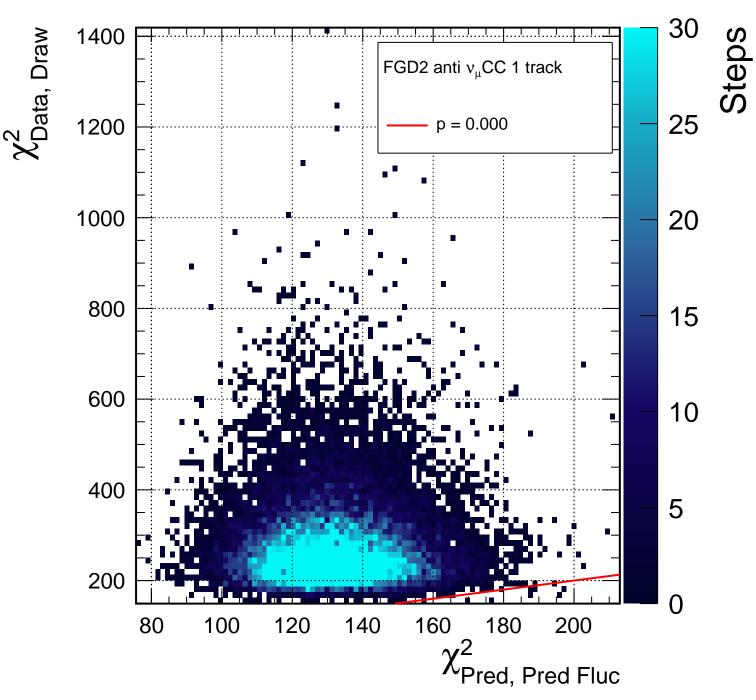
FGD1_anti-numuCC_nQE_data



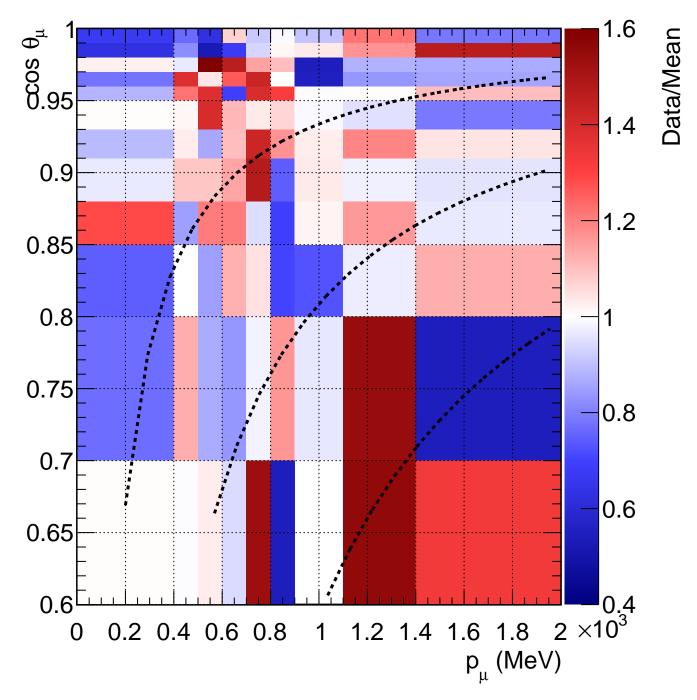
FGD1_anti-numuCC_nQE_data



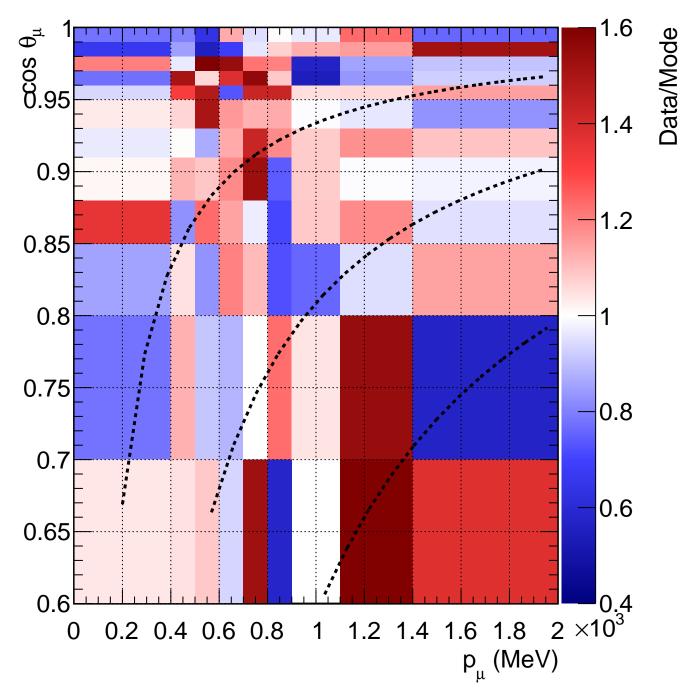




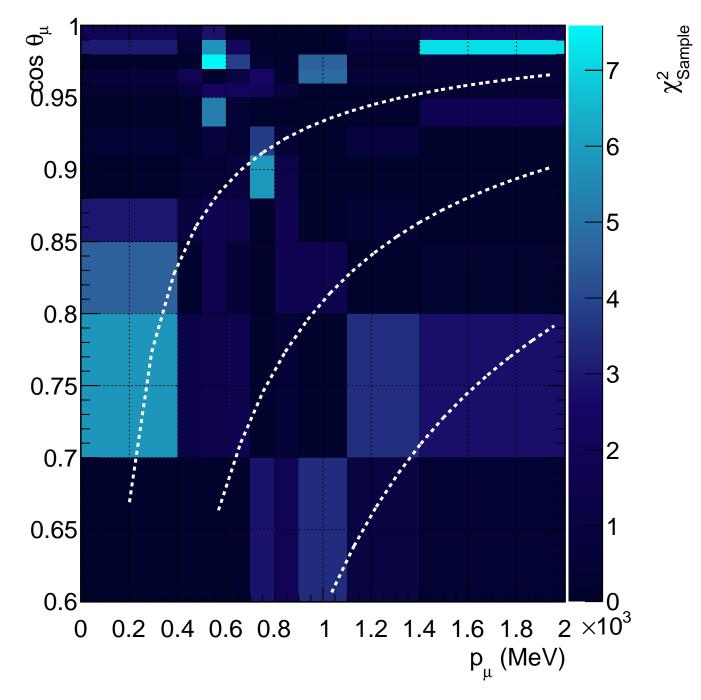
FGD2_anti-numuCC_1_track_mean_ratio



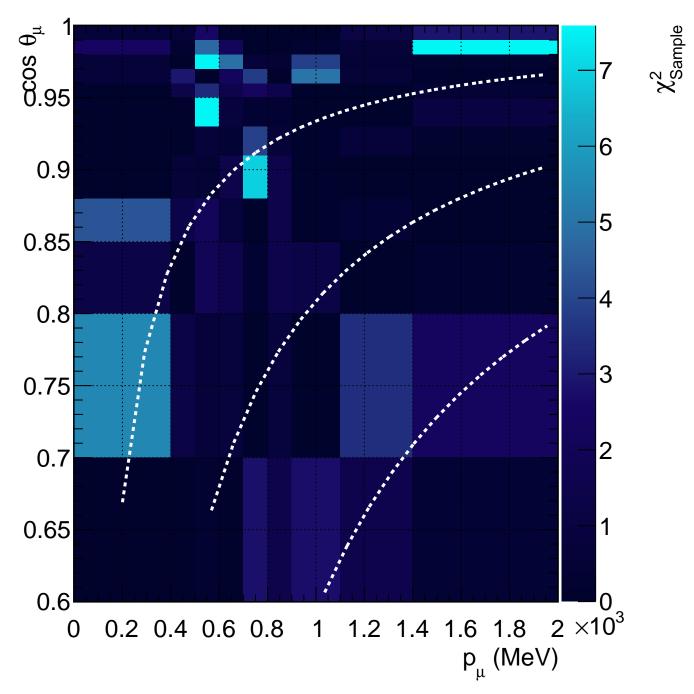
FGD2_anti-numuCC_1_track_mode_ratio



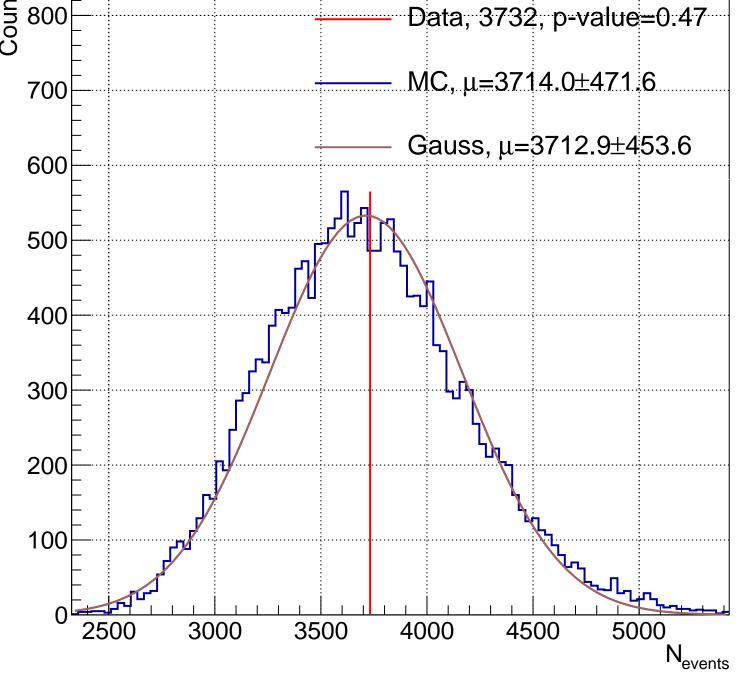
FGD2_anti-numuCC_1_track_MeanInL



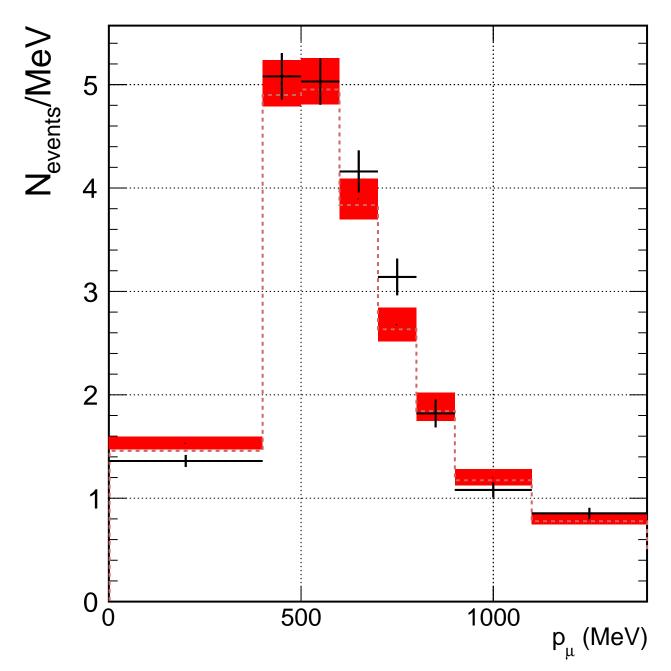
FGD2_anti-numuCC_1_track_ModelnL



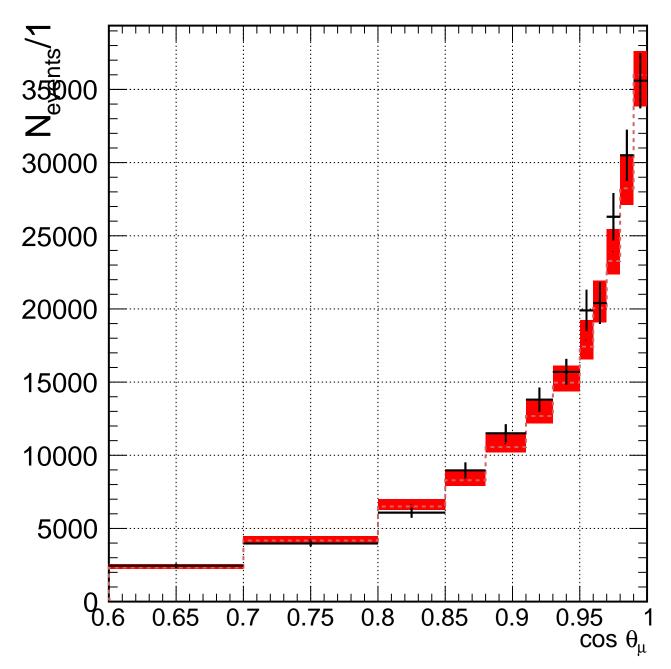
FGD2_anti-numuCC_1_track_sum_3732

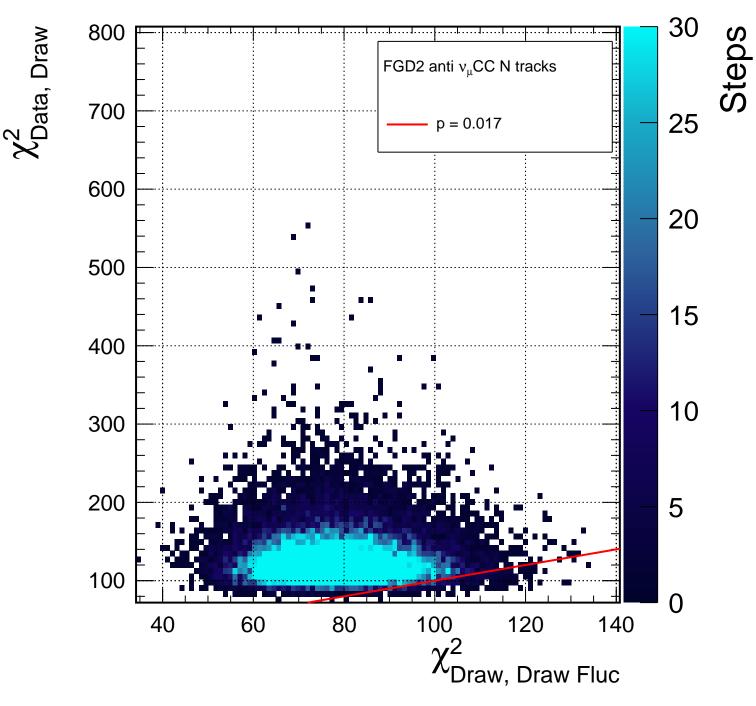


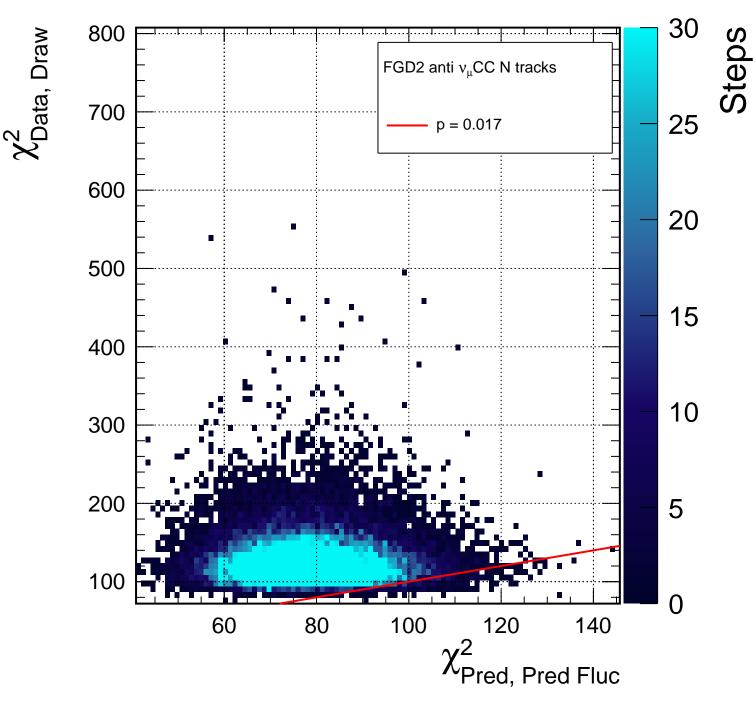
FGD2_anti-numuCC_1_track_data



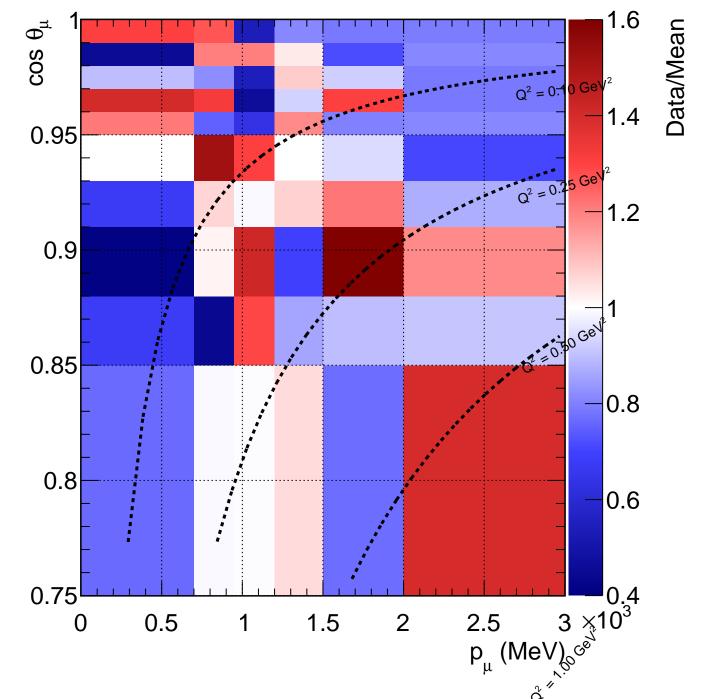
FGD2_anti-numuCC_1_track_data



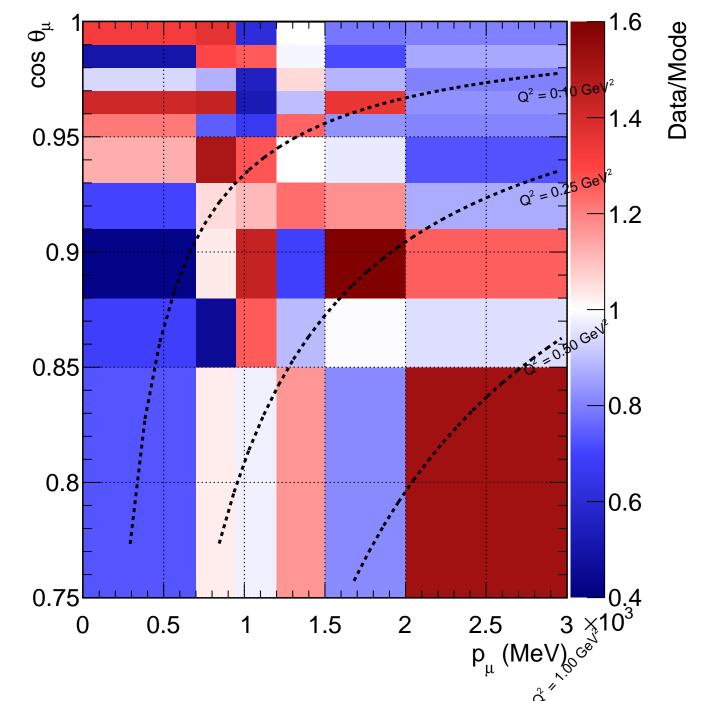




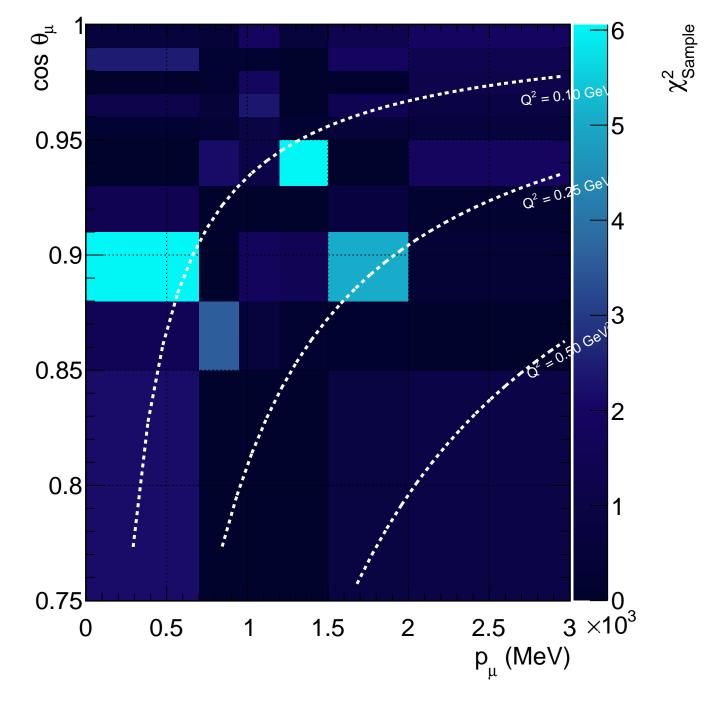
FGD2_anti-numuCC_N_tracks_mean_ratio



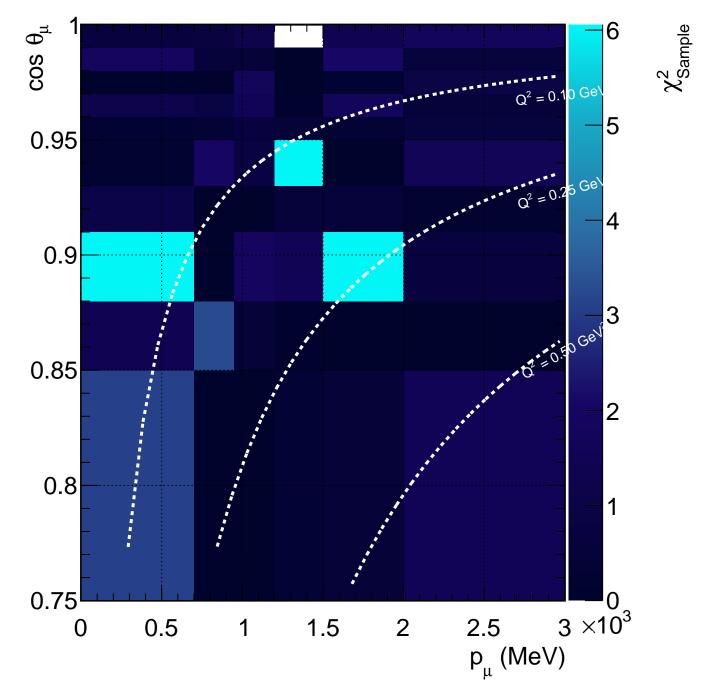
FGD2_anti-numuCC_N_tracks_mode_ratio



FGD2_anti-numuCC_N_tracks_MeanInL

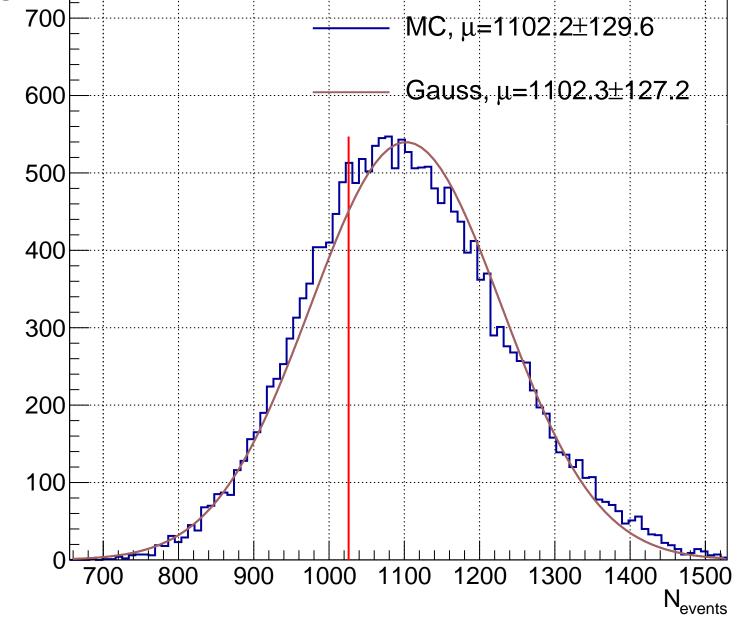


FGD2_anti-numuCC_N_tracks_ModeInL

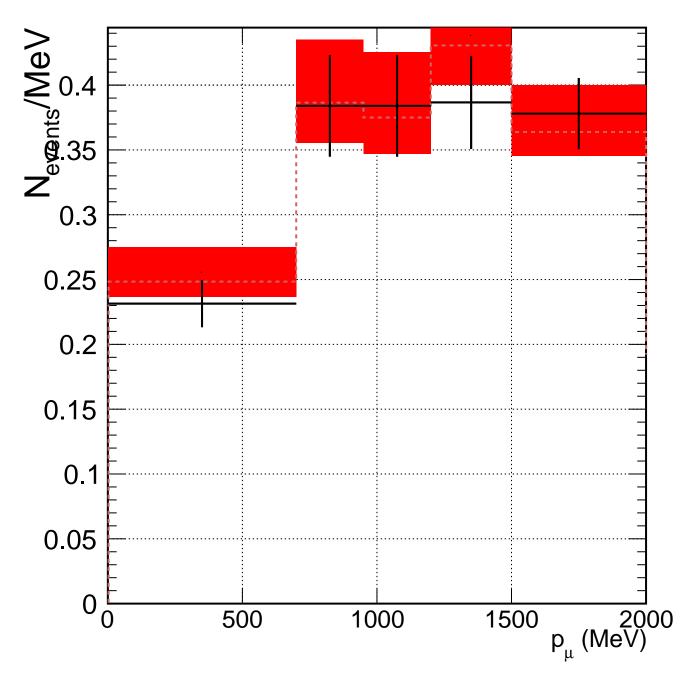


FGD2_anti-numuCC_N_tracks_sum_1026 Data, 1026, p-value=0.72 MC, μ =1102.2±129.6 Gauss, μ=1102.3±127.2

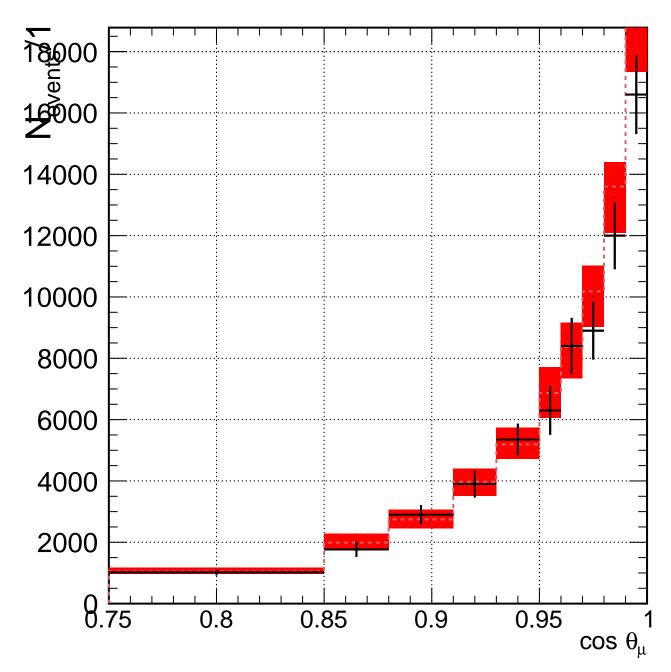
800

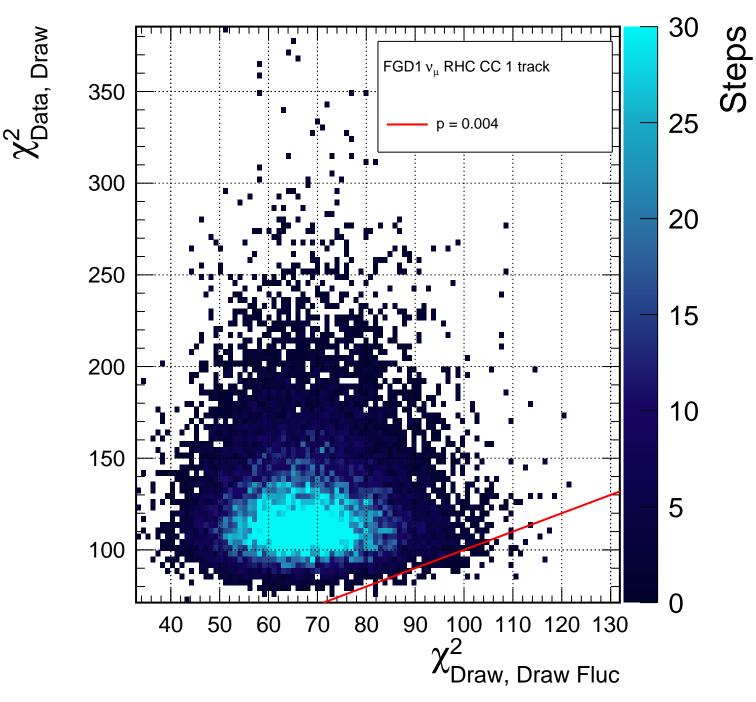


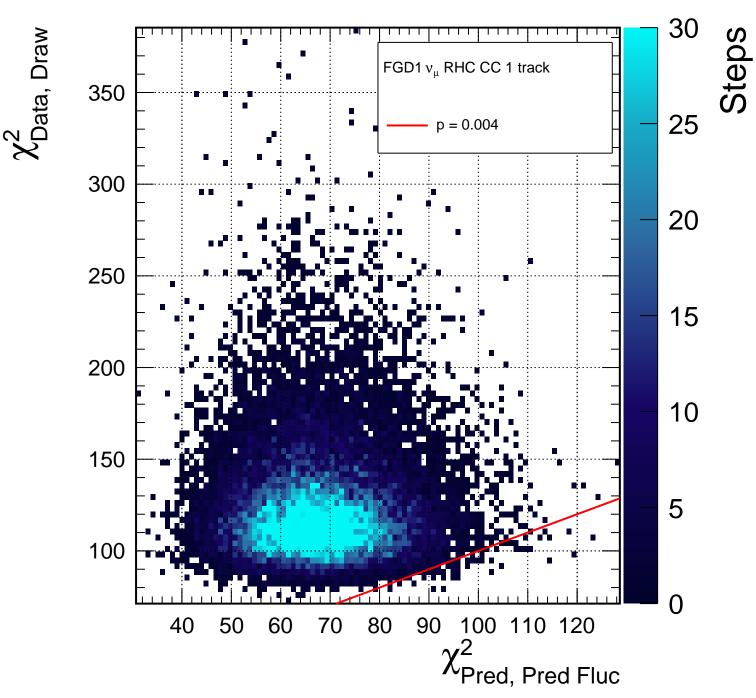
FGD2_anti-numuCC_N_tracks_data



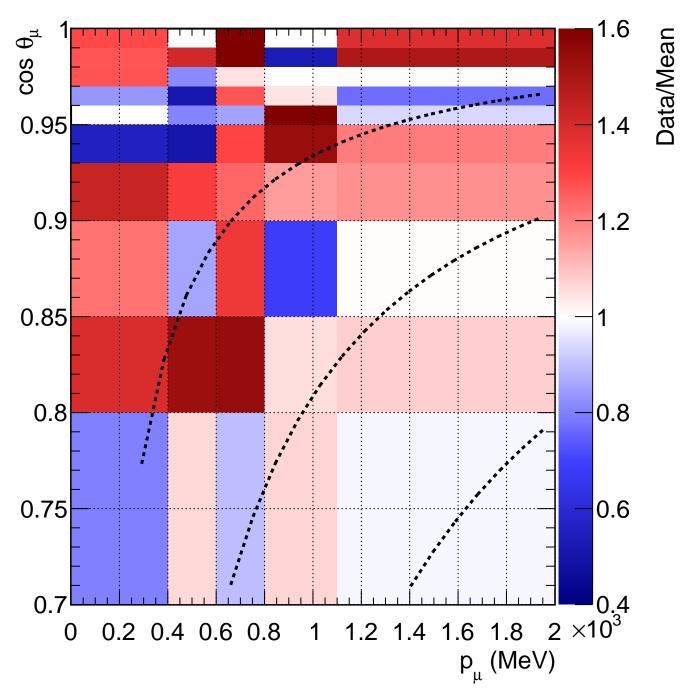
FGD2_anti-numuCC_N_tracks_data



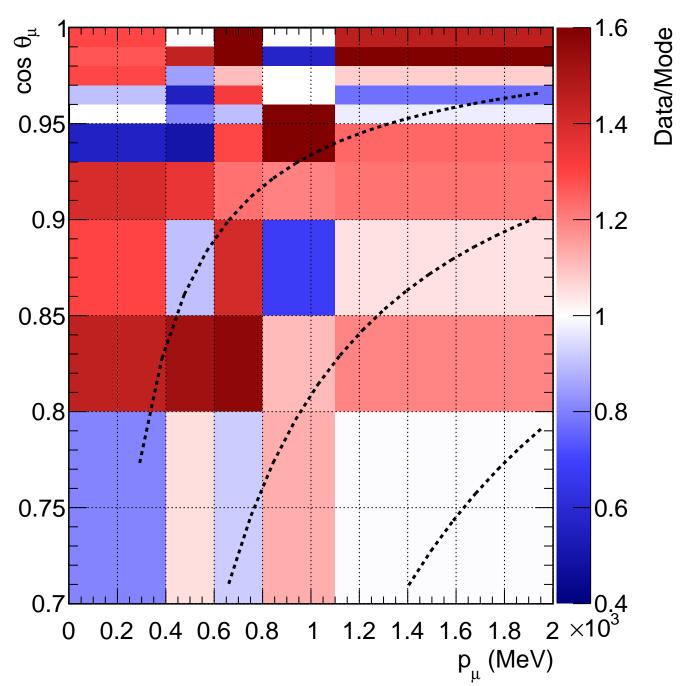




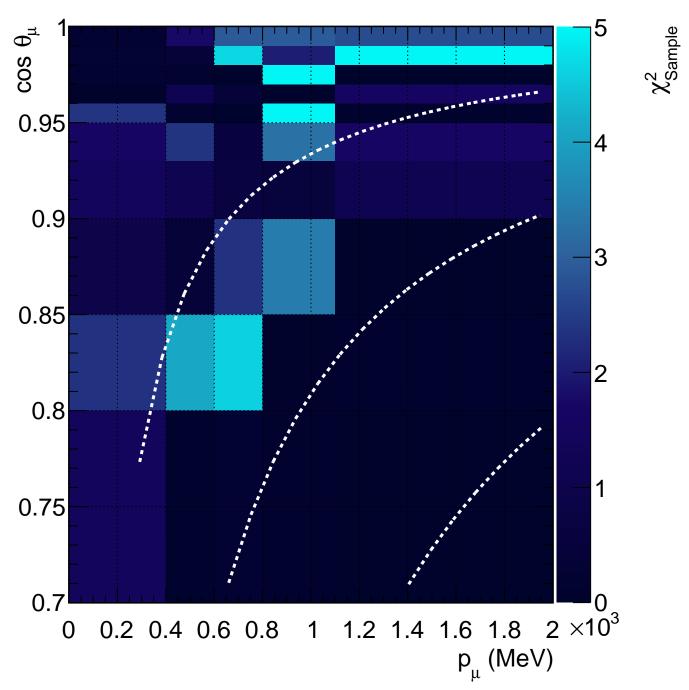
FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__mean_ratio



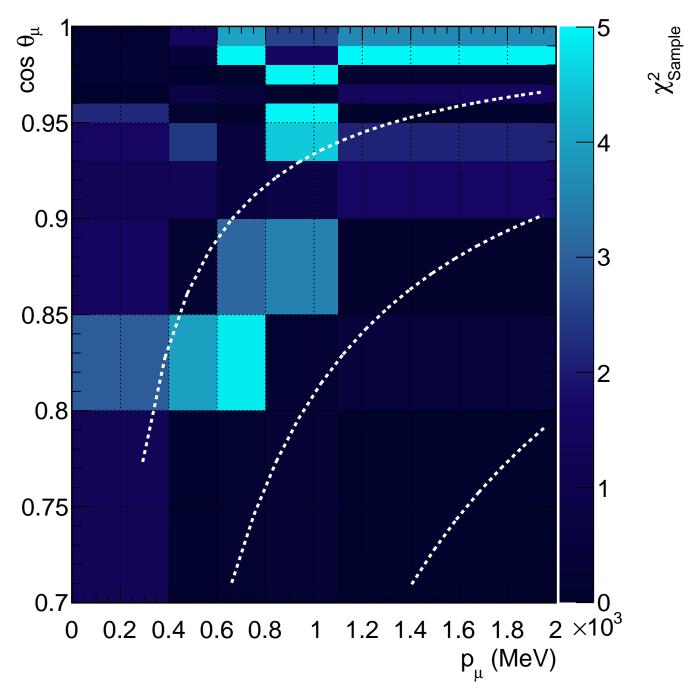
 ${\bf FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__mode_ratio}$

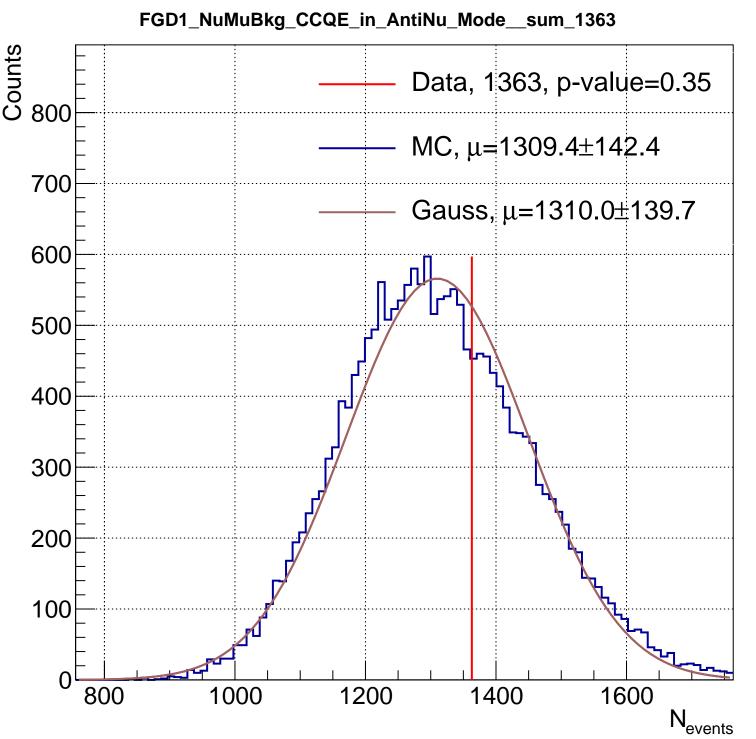


FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__MeanInL

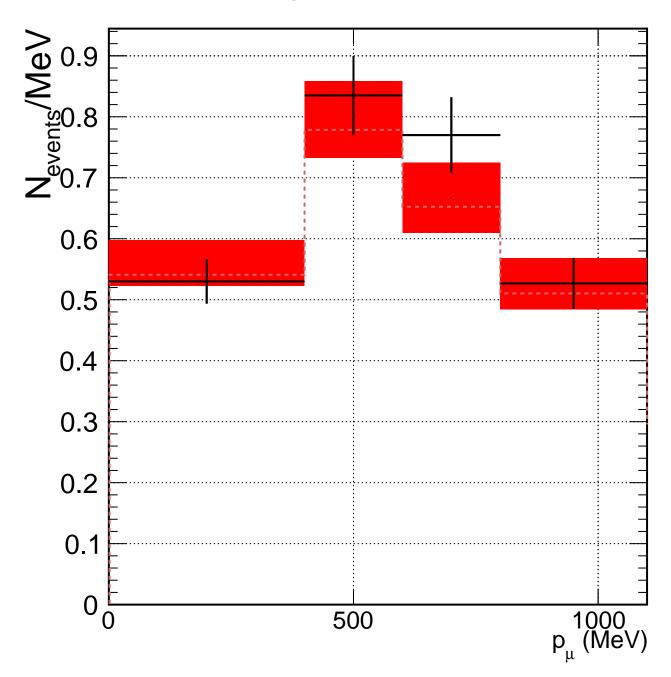


 ${\bf FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__ModelnL}$

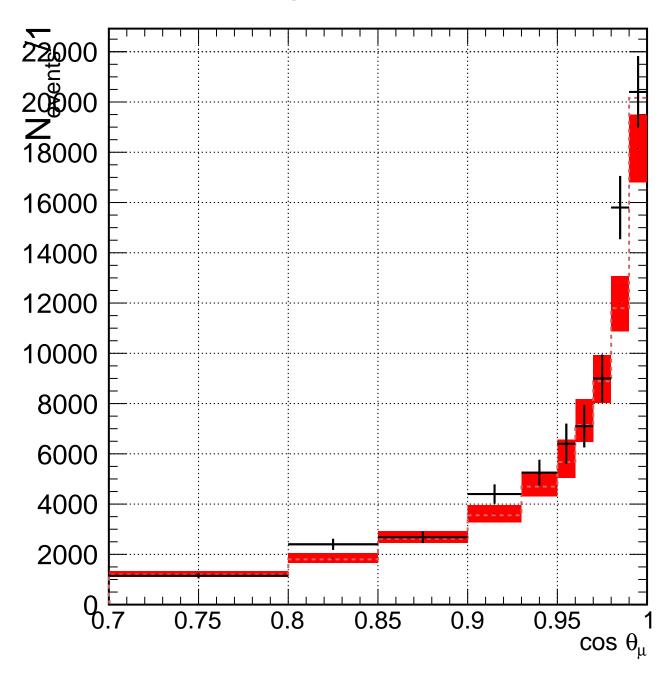


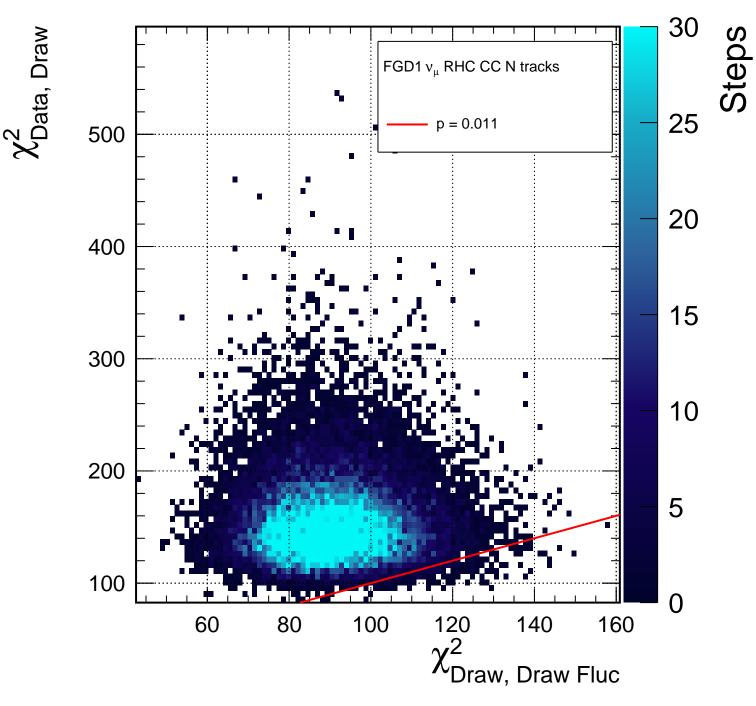


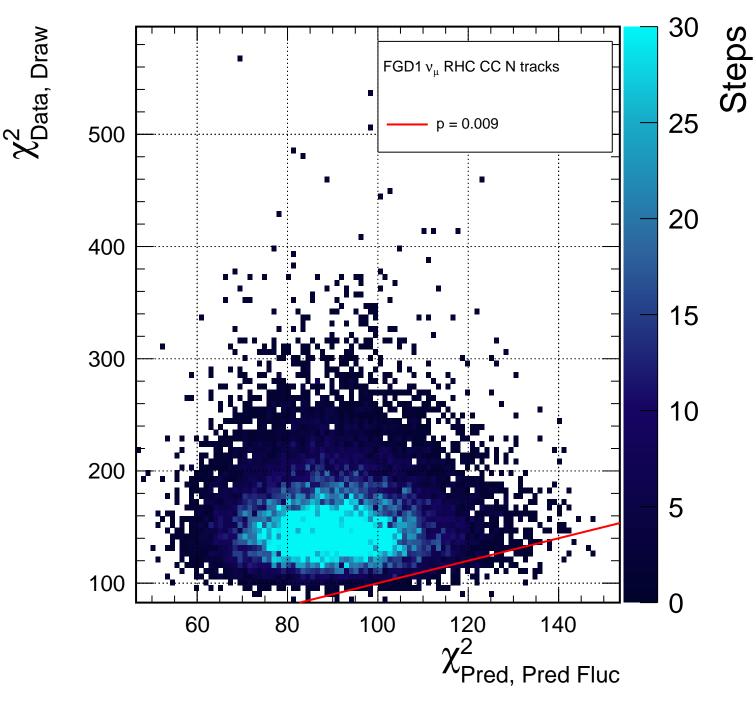
FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__data



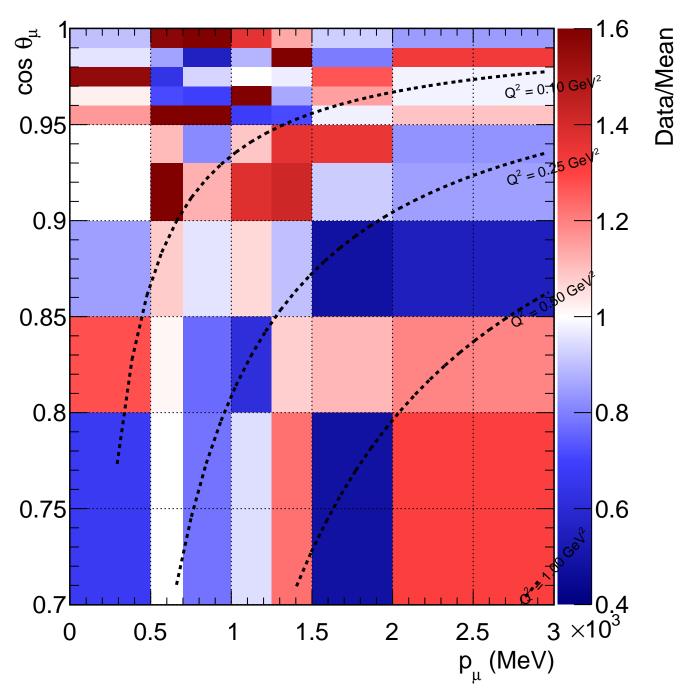
FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__data



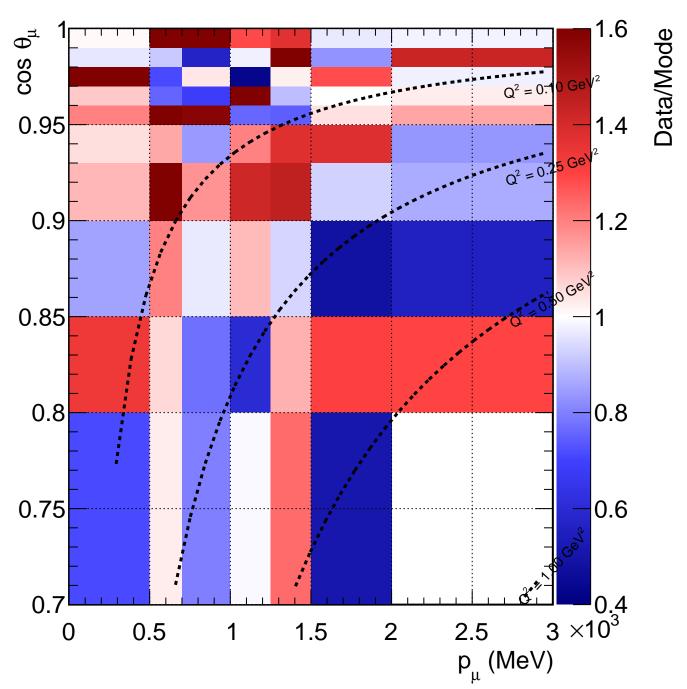




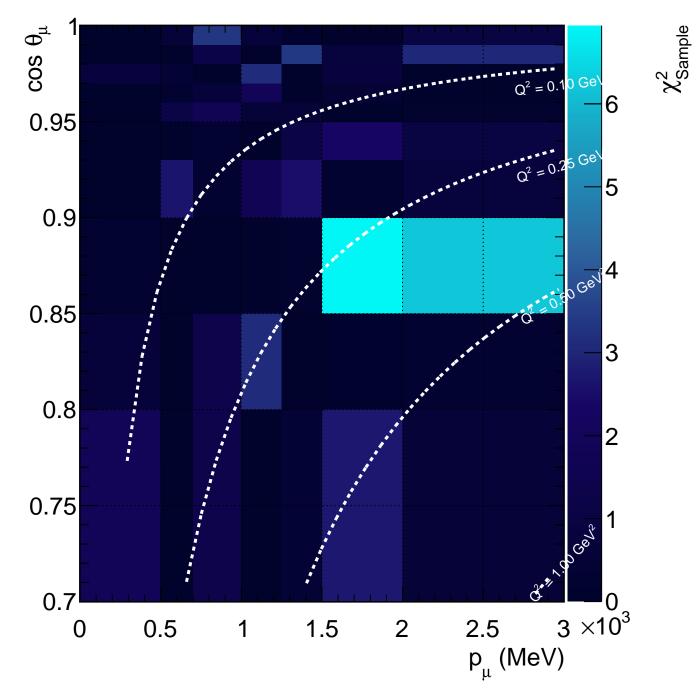
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_mean_ratio



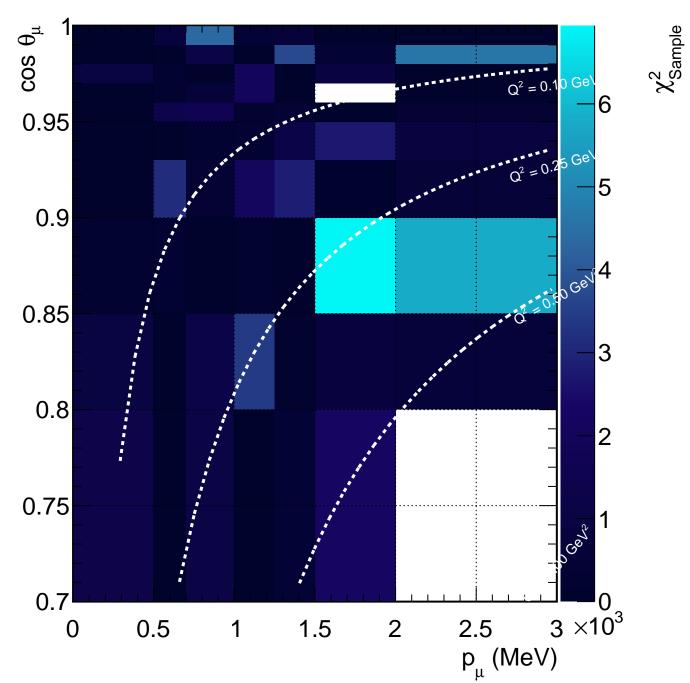
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_mode_ratio



FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_MeanInL

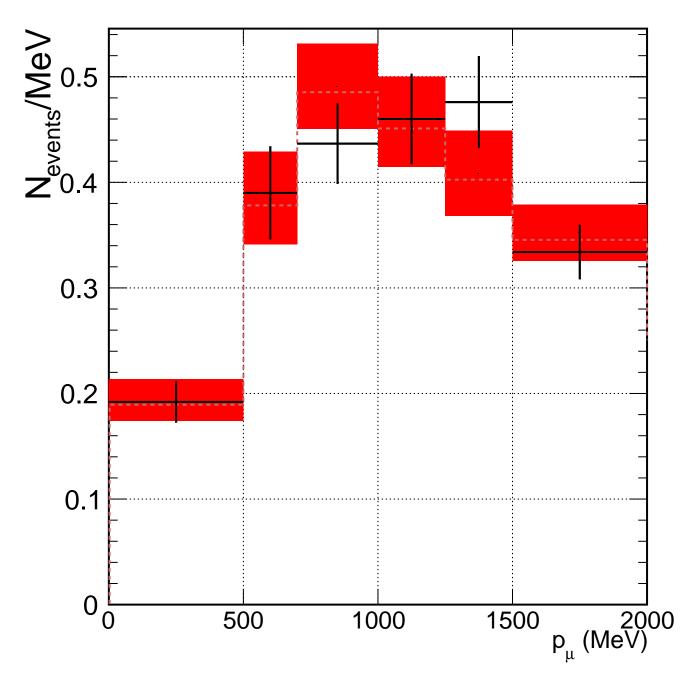


 ${\bf FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_ModeInL}$

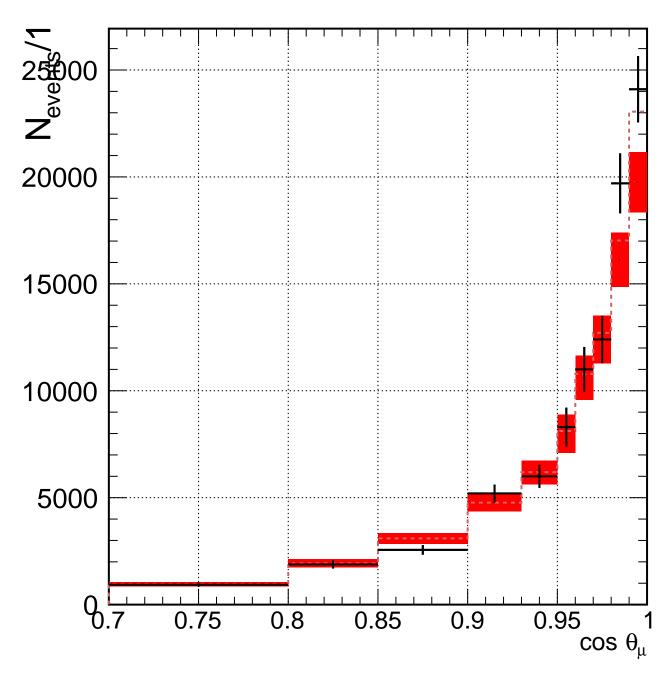


FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_sum_1370 Counts Data, 1370, p-value=0.50 MC, μ =1376.8 \pm 153.9 Gauss, μ =1377.1±151.2 levents

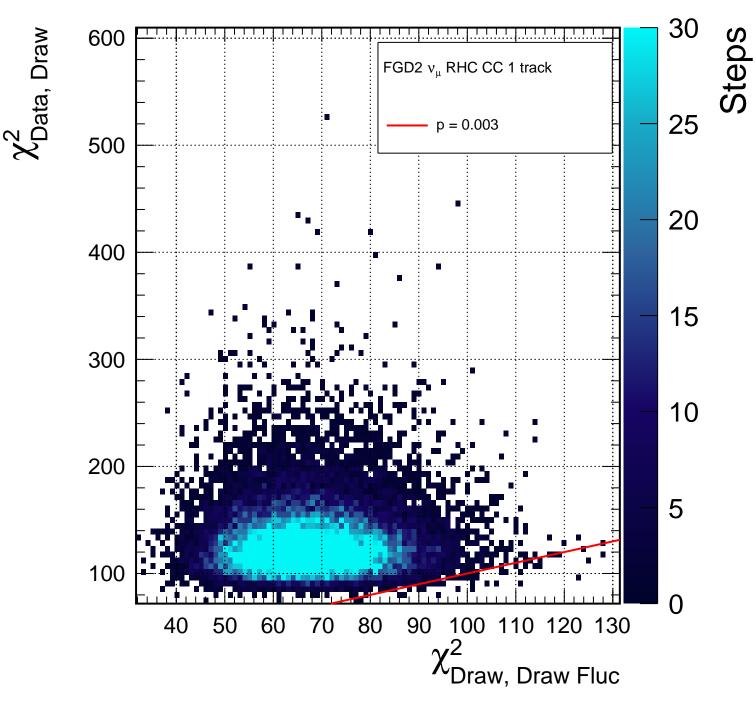
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_data



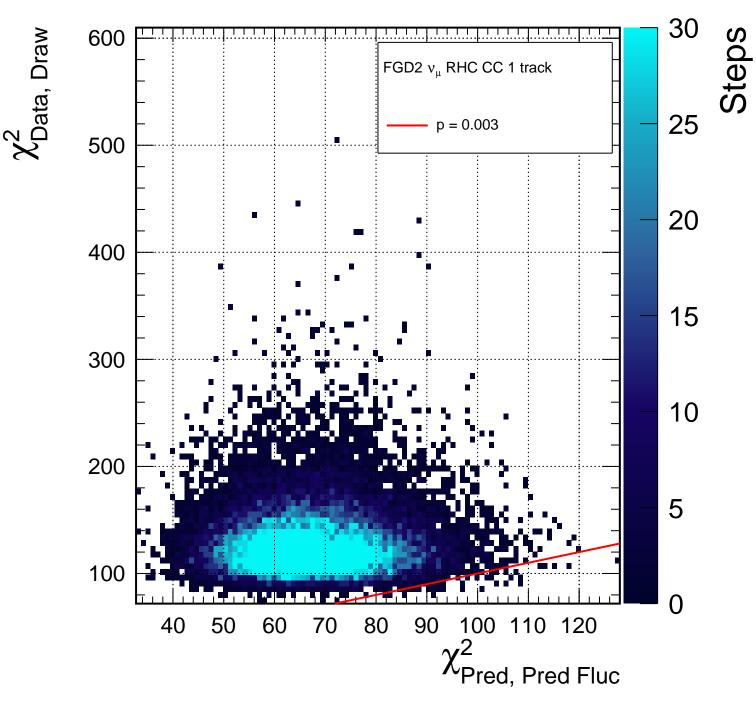
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_data



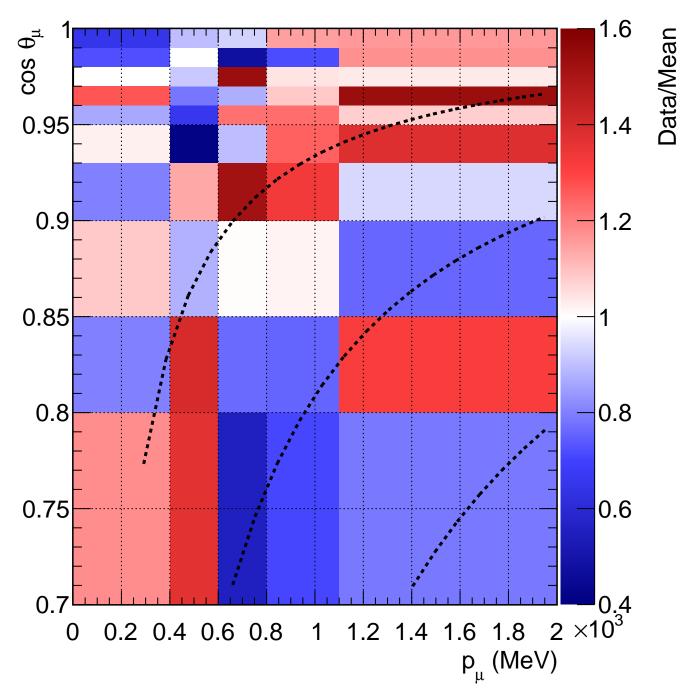
DataDrawFluc



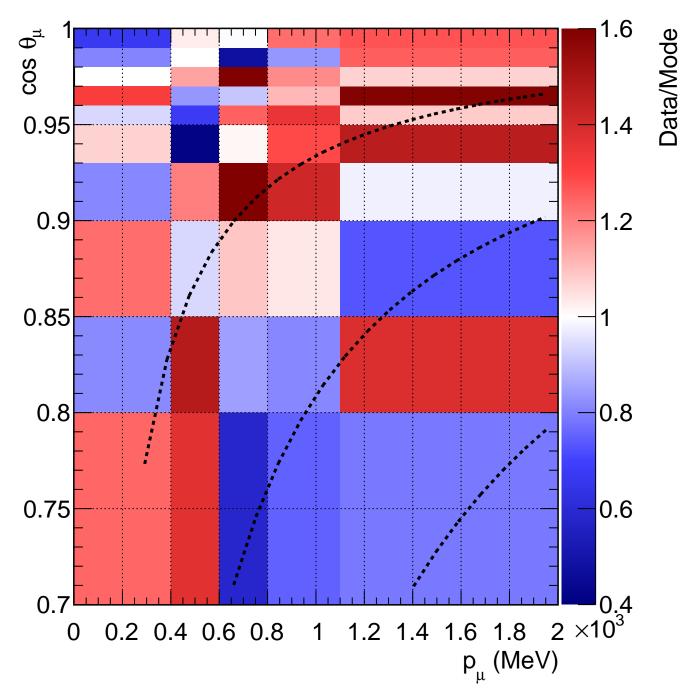
DataPredFluc



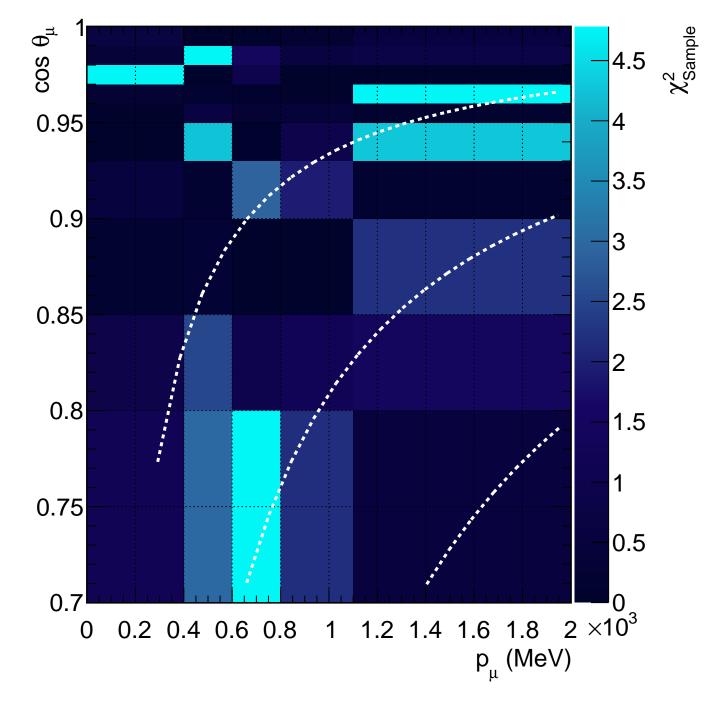
FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__mean_ratio



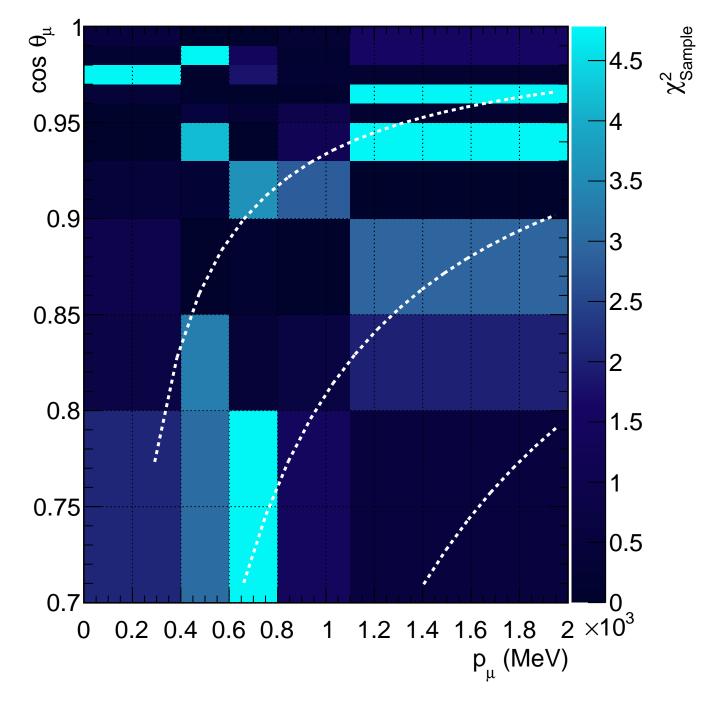
FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__mode_ratio

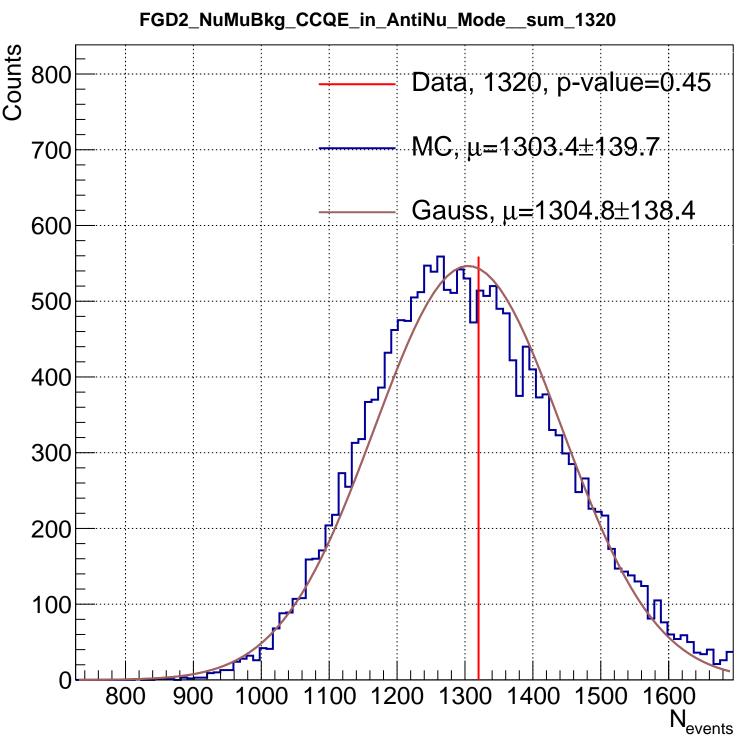


 ${\bf FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__MeanInL}$

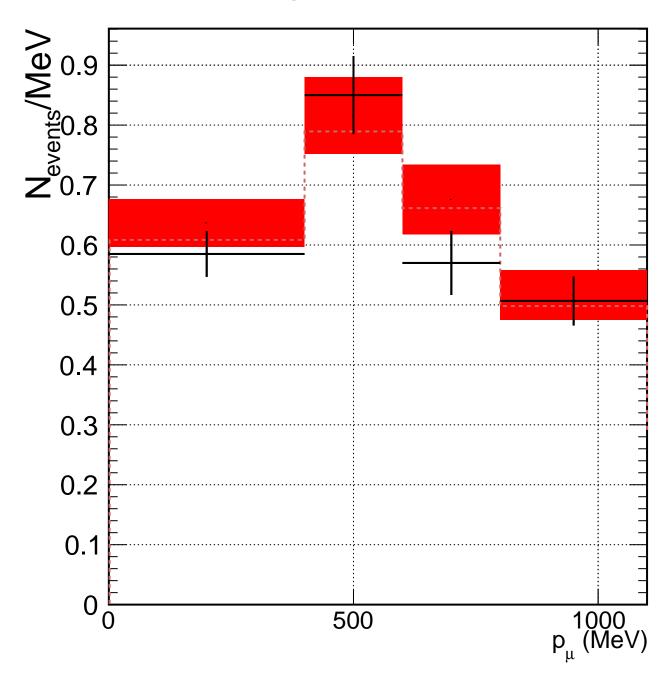


 $FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__ModelnL$

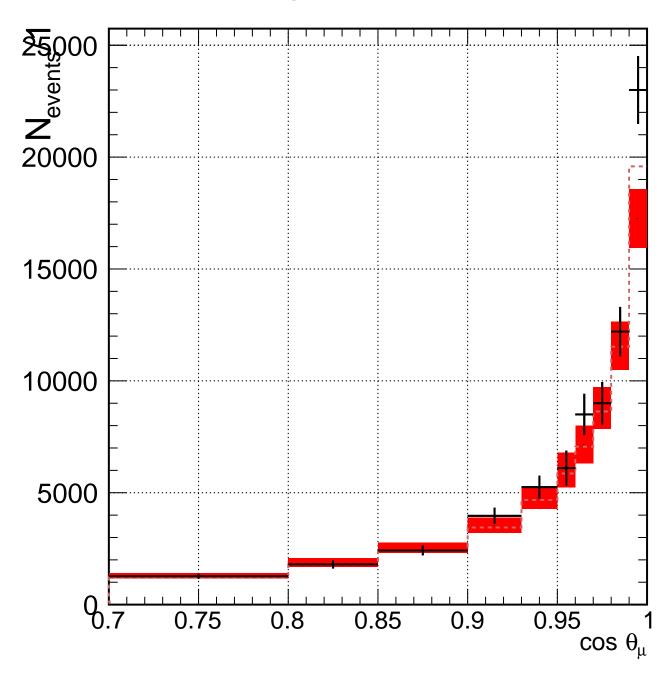




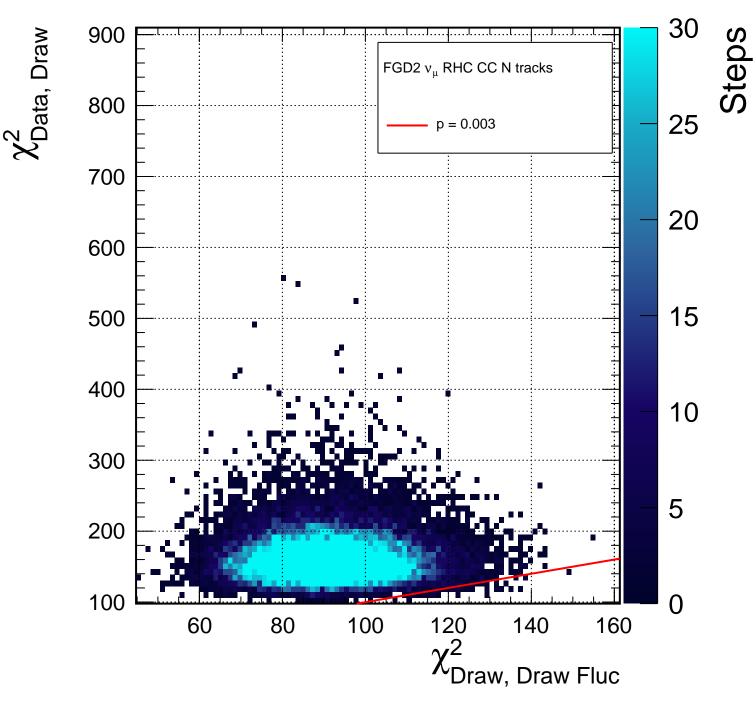
FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__data



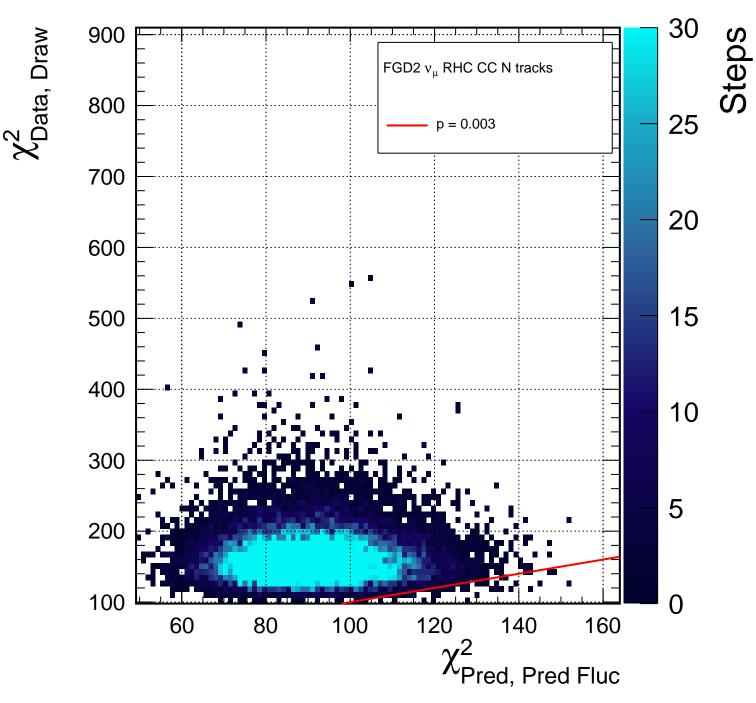
FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__data



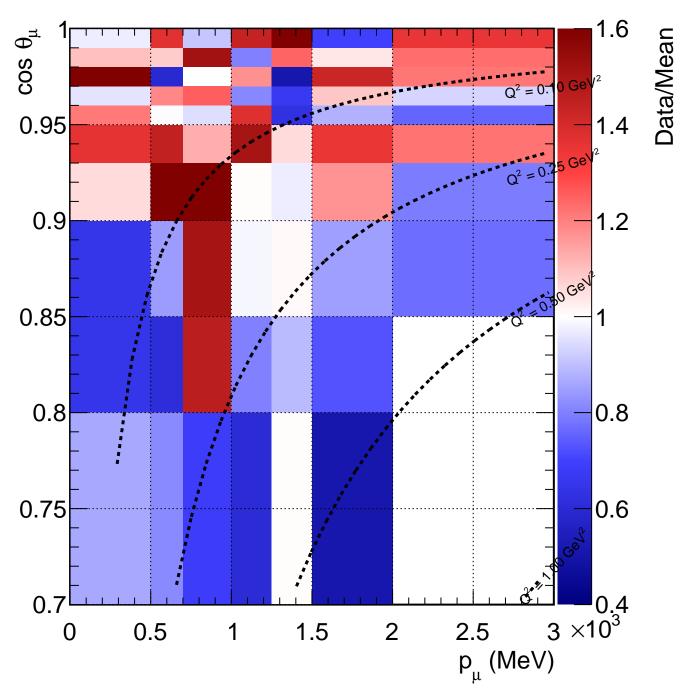
DataDrawFluc



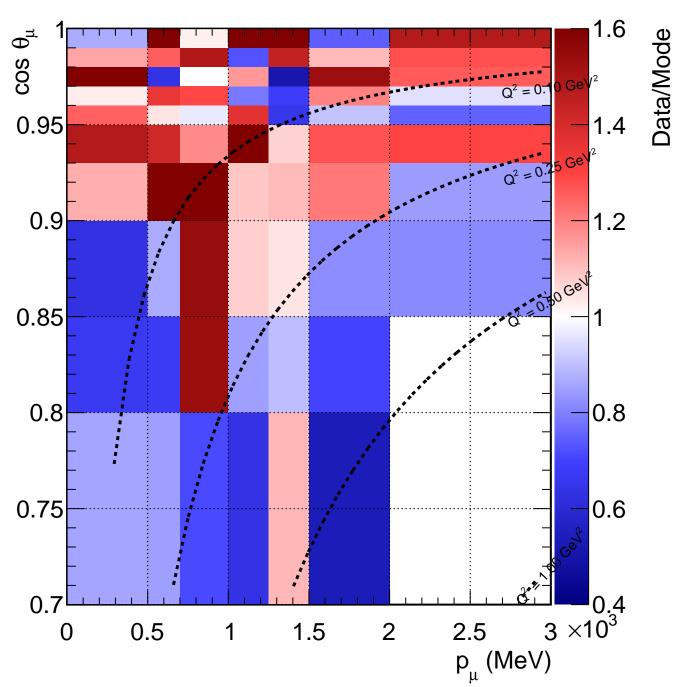
DataPredFluc



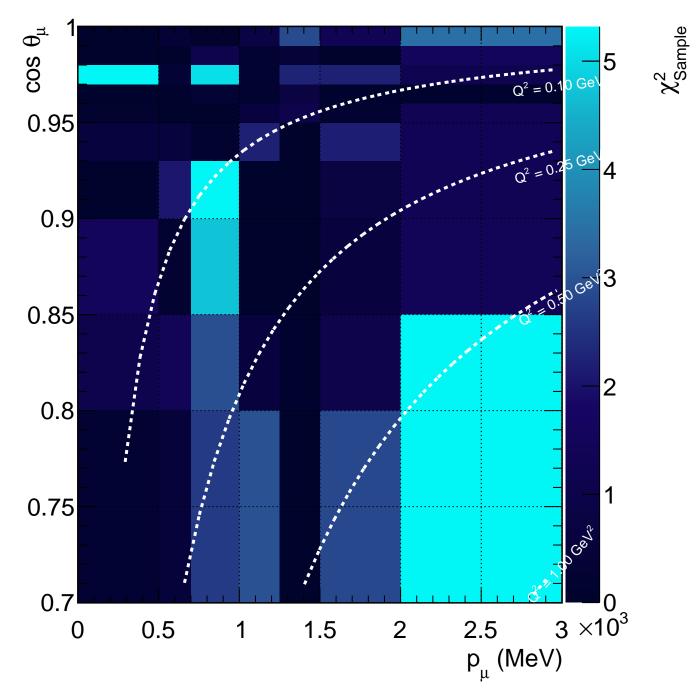
FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_mean_ratio



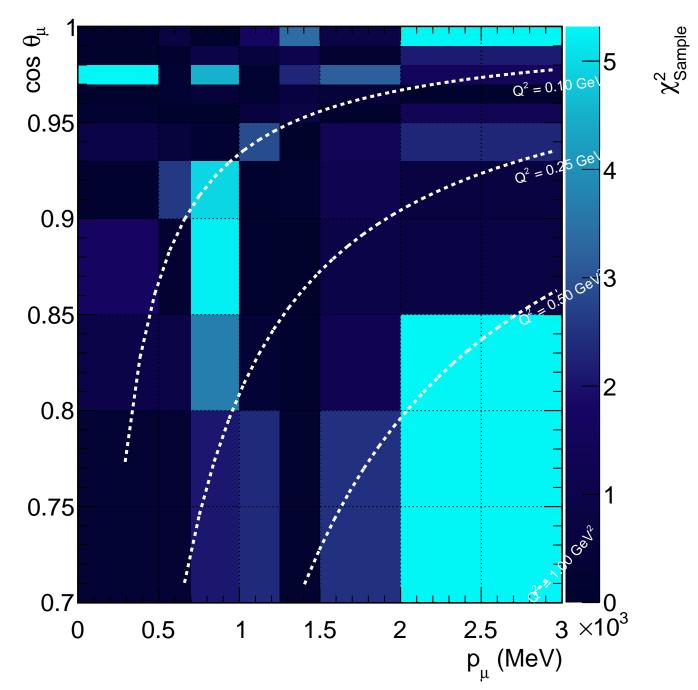
FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_mode_ratio



 $FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_MeanInL$

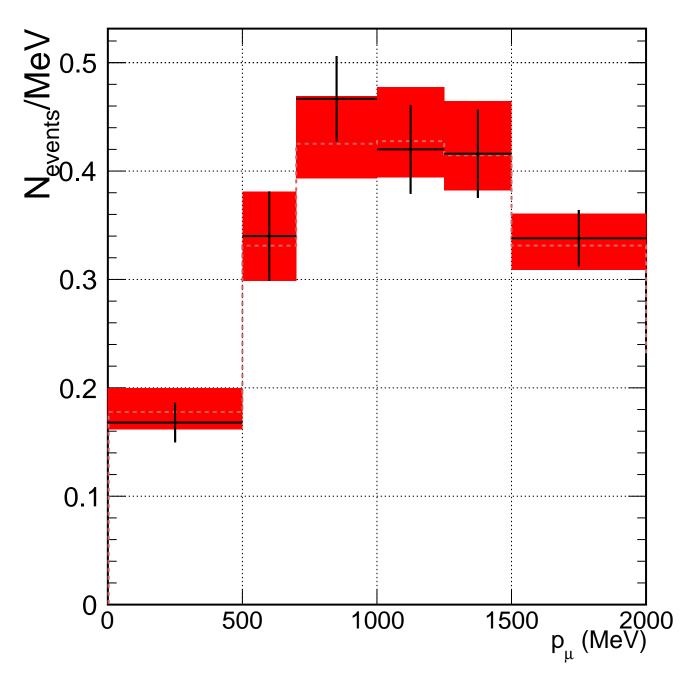


 $FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_ModeInL$



FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_sum_1253 Data, 1253, p-value=0.52 MC, μ =1263.1±139.7 Gauss, μ =1263.2±137.9 ^levents

FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_data



FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_data

