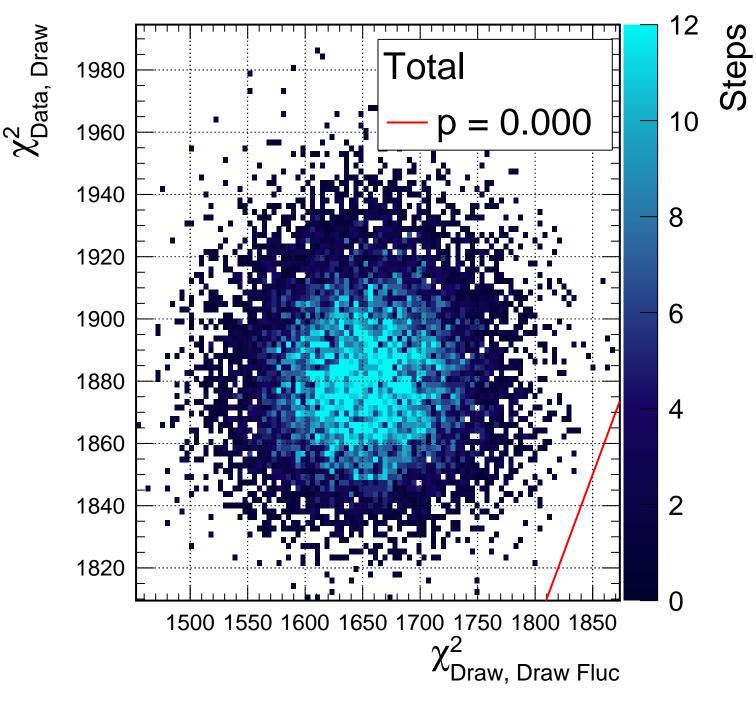
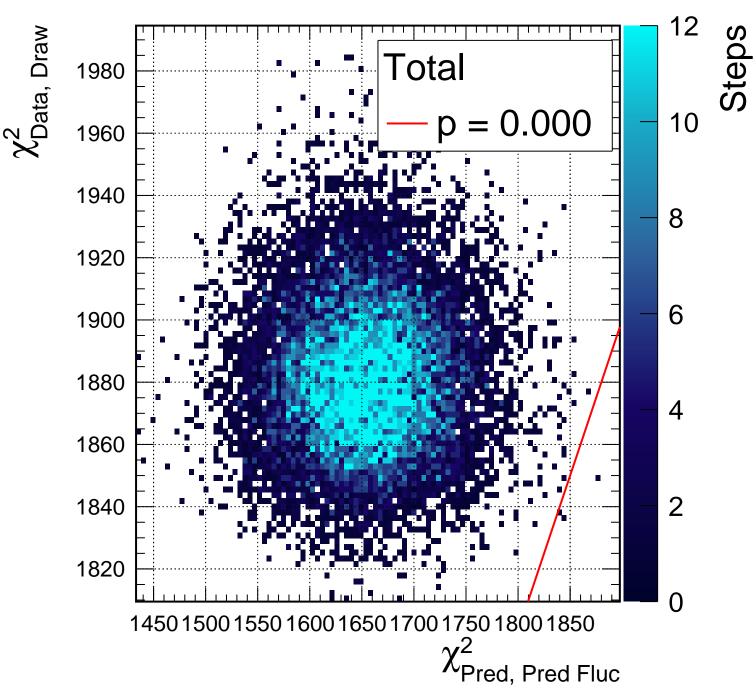
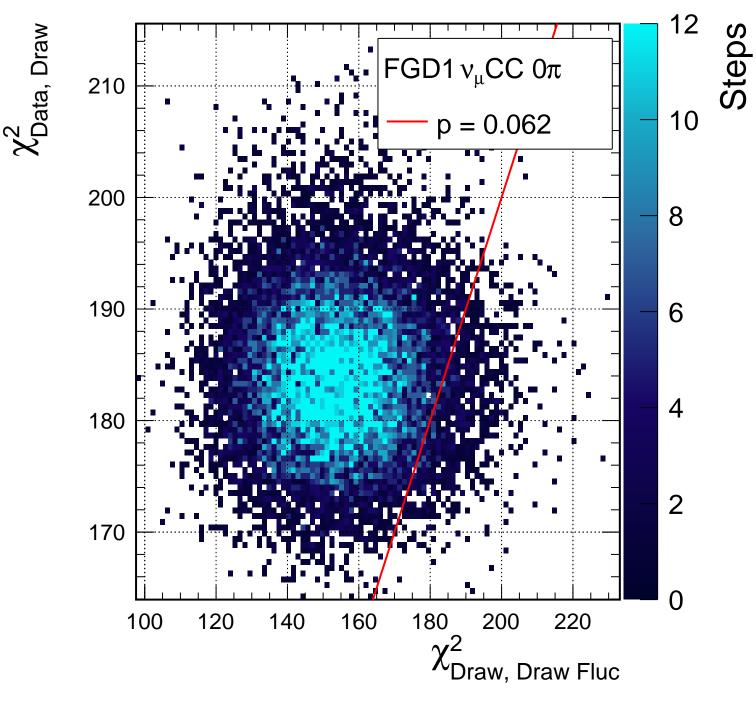
DataDrawFluc



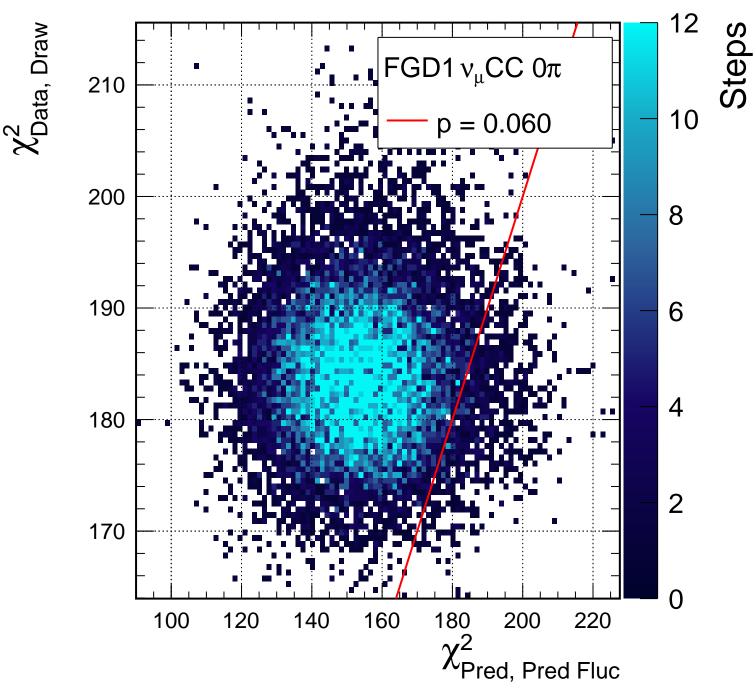
DataPredFluc



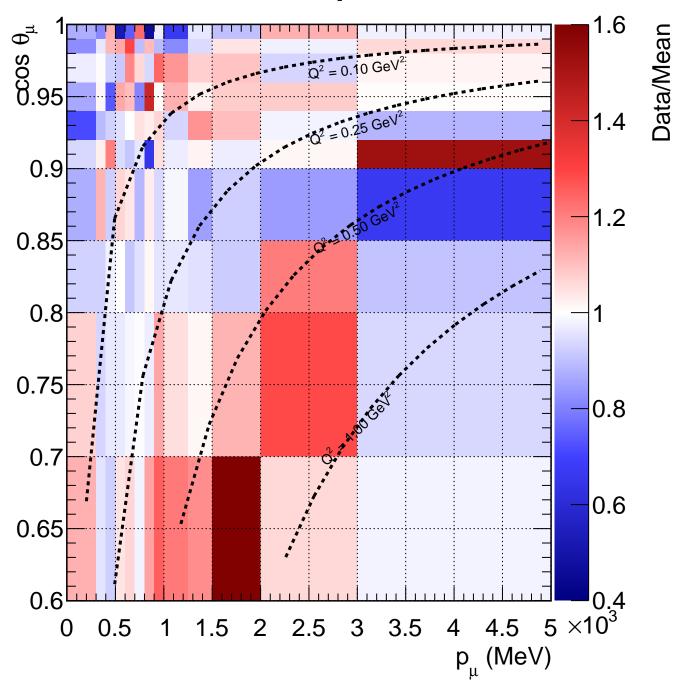
DataDrawFluc



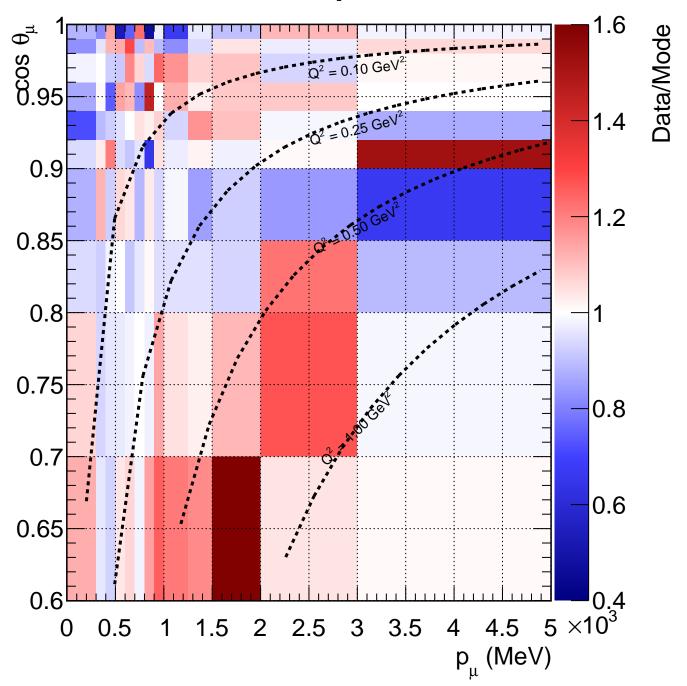
DataPredFluc



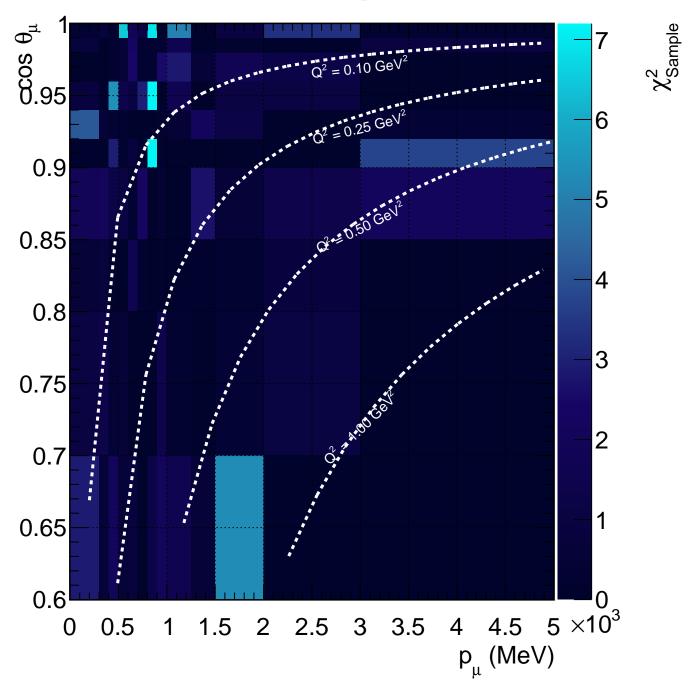
FGD1_numuCC_0pi_mean_ratio



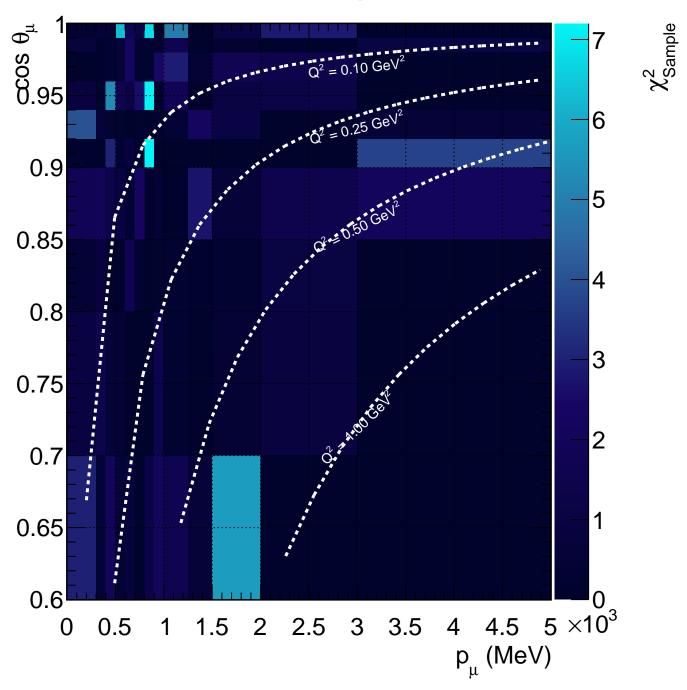
FGD1_numuCC_0pi_mode_ratio



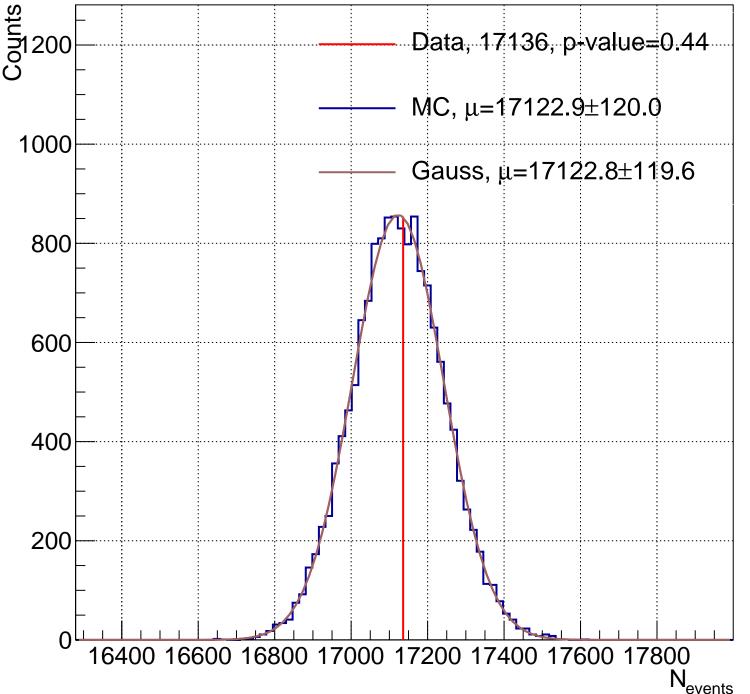
FGD1_numuCC_0pi_MeanInL



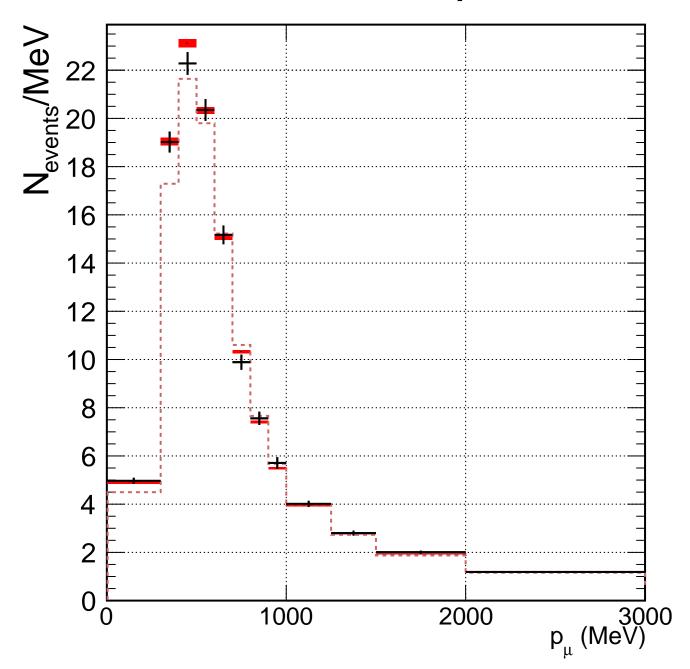
FGD1_numuCC_0pi_ModelnL

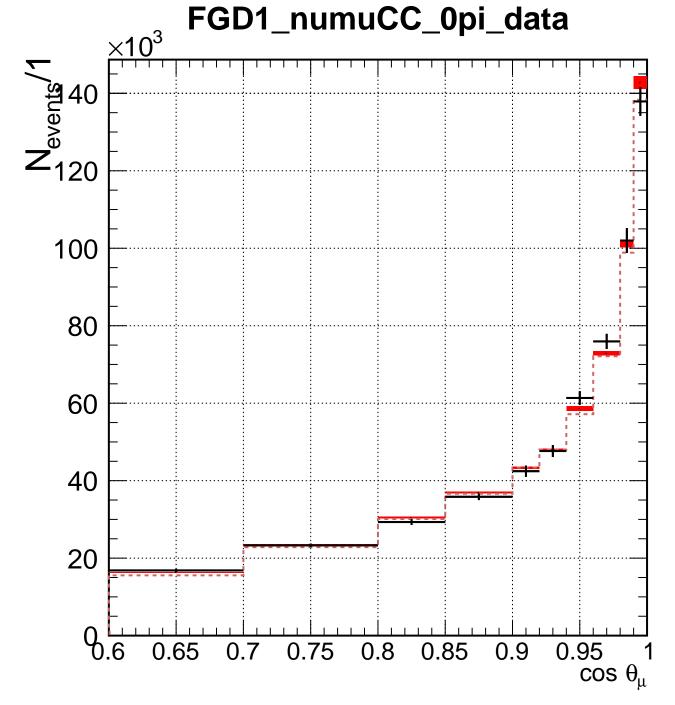


FGD1_numuCC_0pi_sum_17136

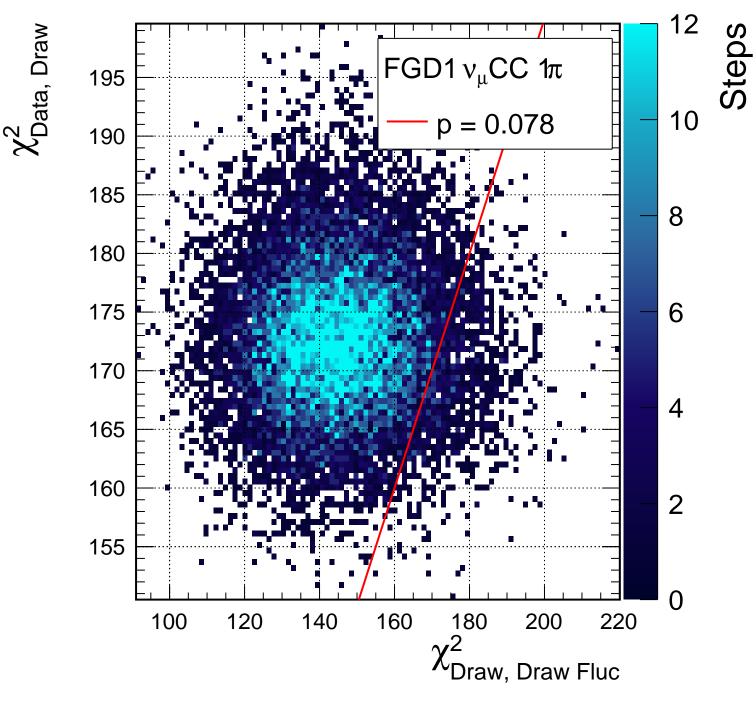


FGD1_numuCC_0pi_data

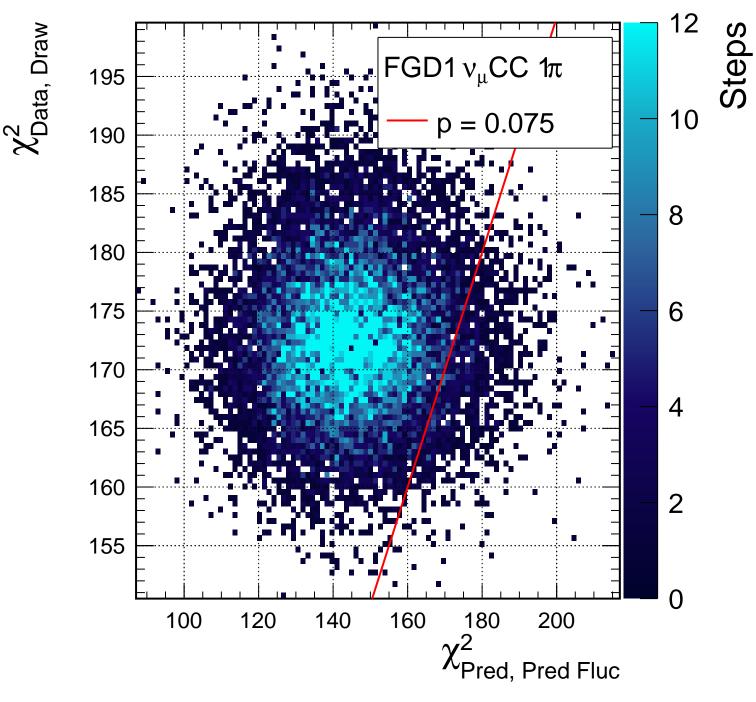




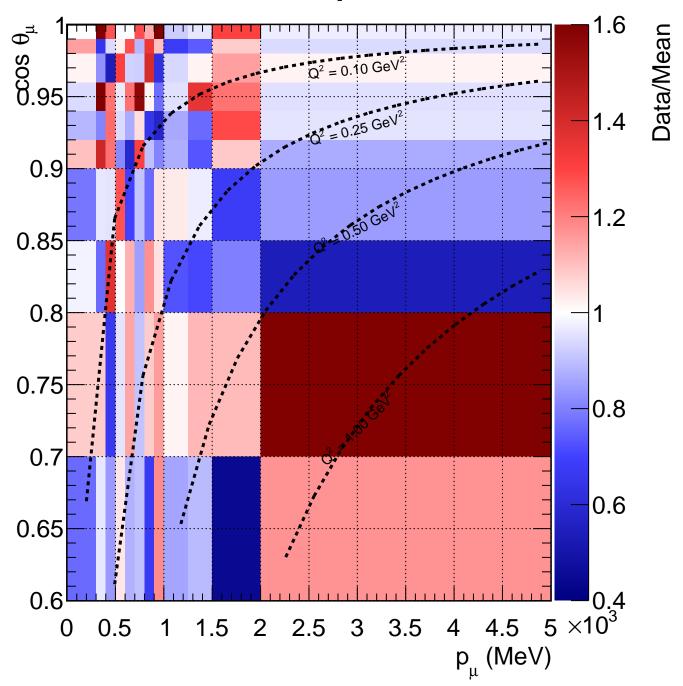
DataDrawFluc



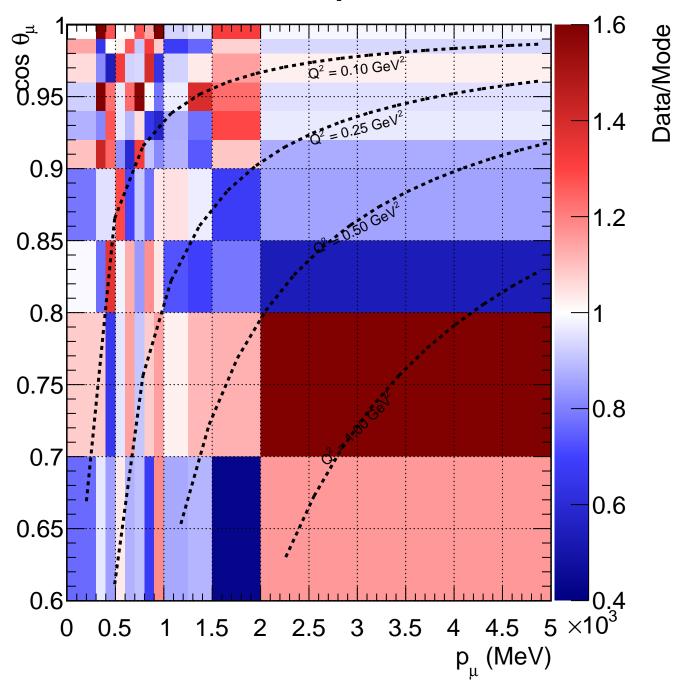
DataPredFluc



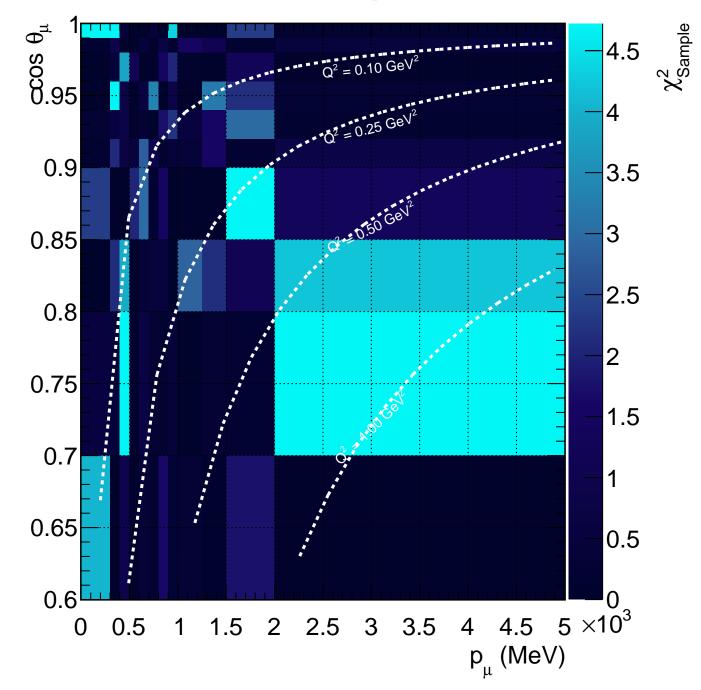
FGD1_numuCC_1pi_mean_ratio



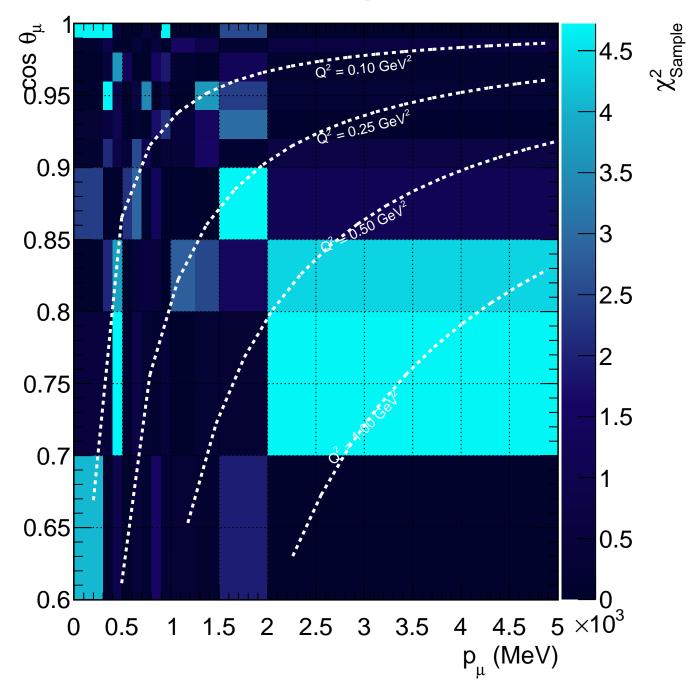
FGD1_numuCC_1pi_mode_ratio



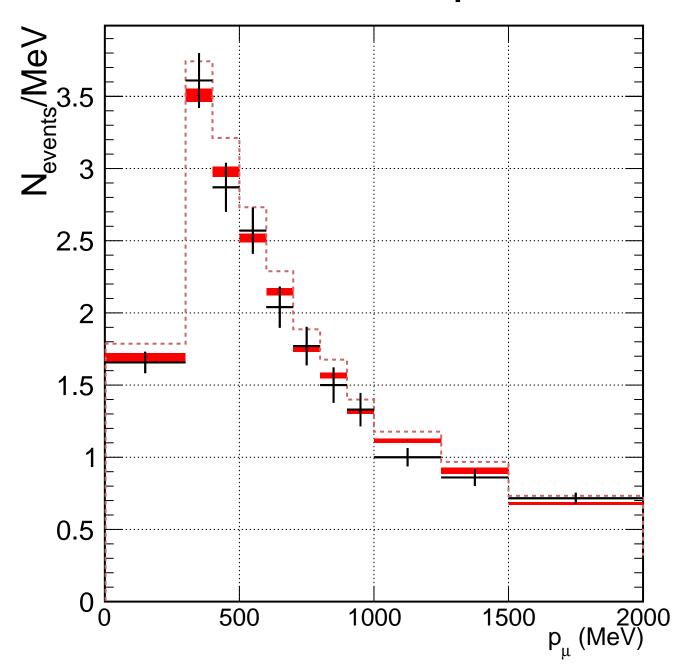
FGD1_numuCC_1pi_MeanInL



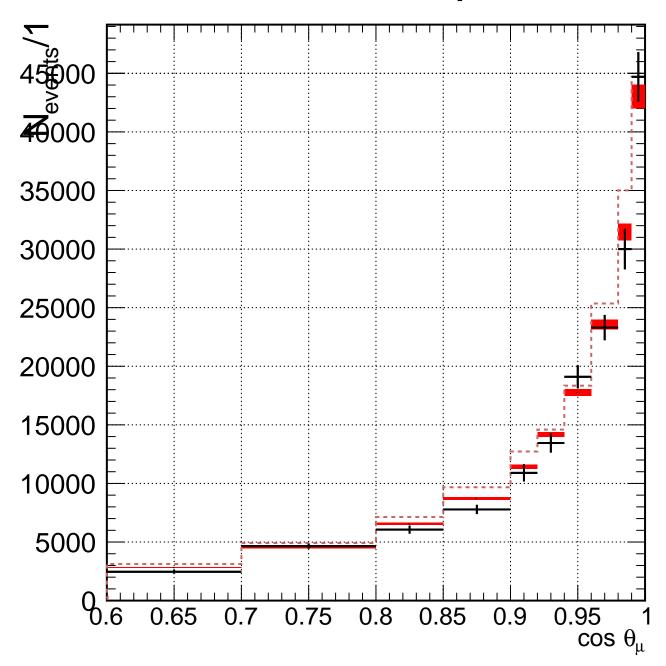
FGD1_numuCC_1pi_ModeInL



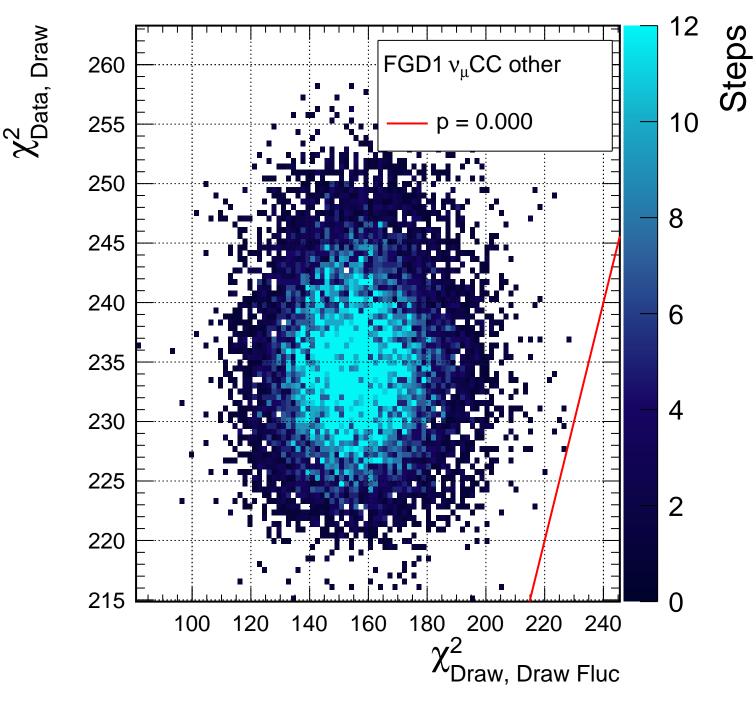
FGD1_numuCC_1pi_data



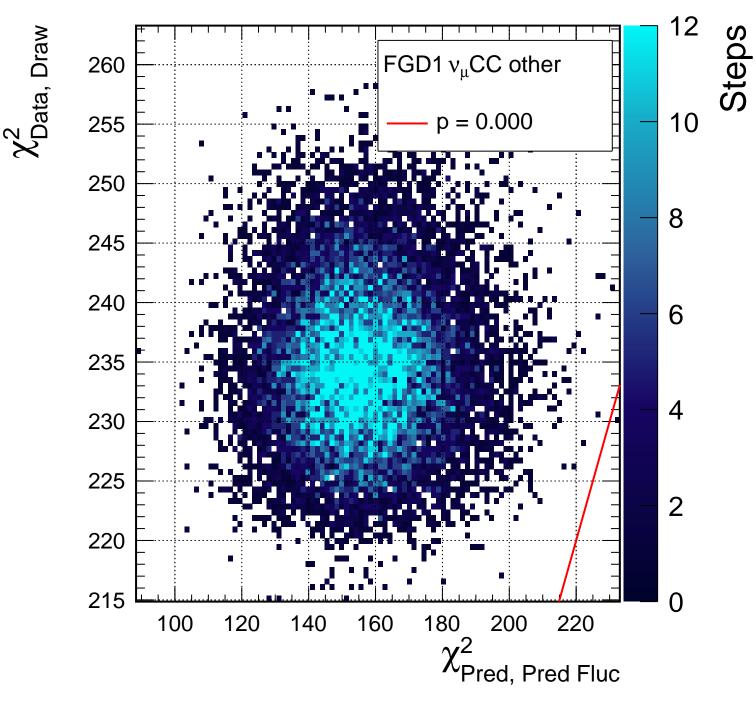
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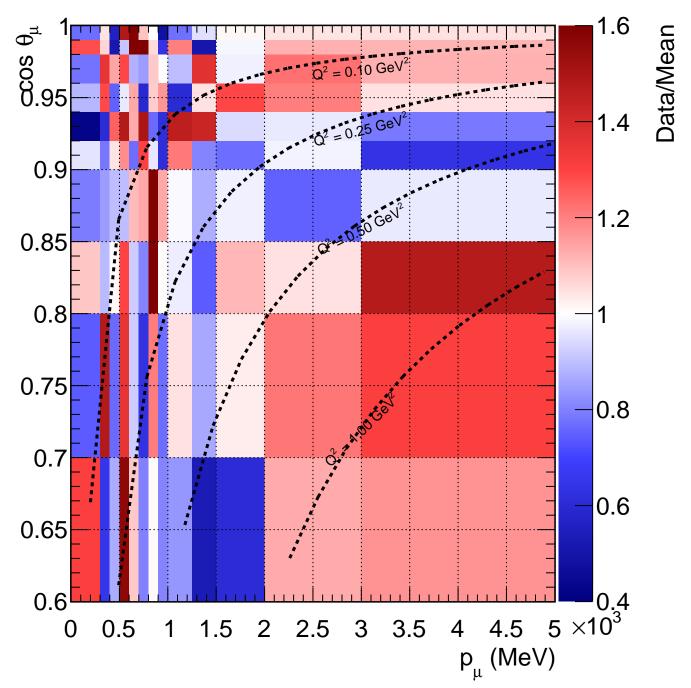
DataDrawFluc



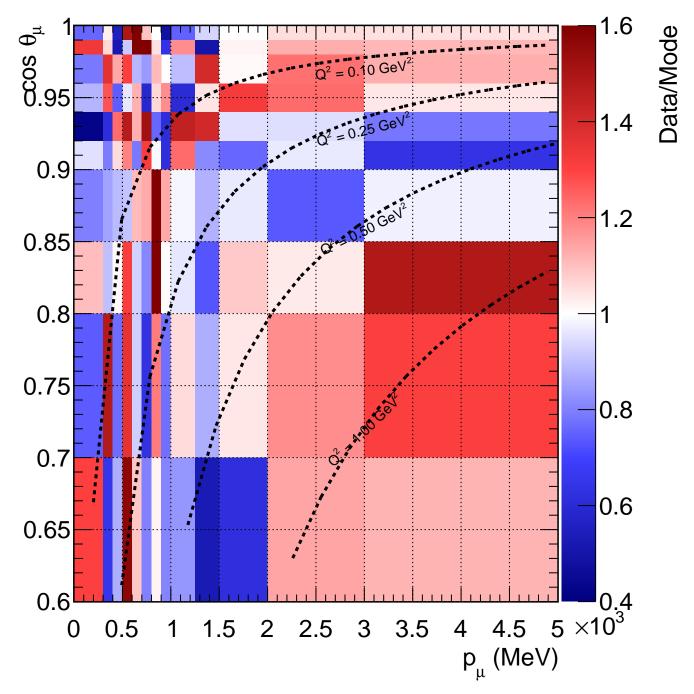
DataPredFluc



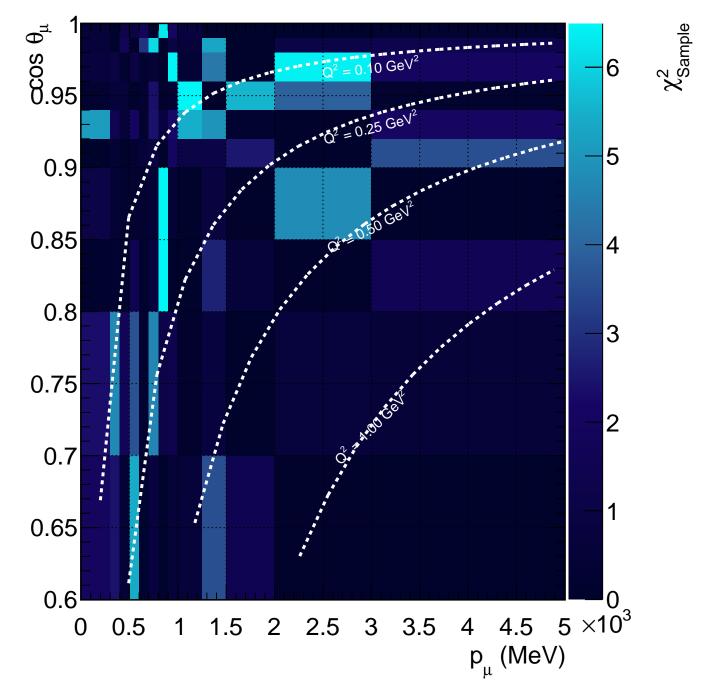
FGD1_numuCC_other_mean_ratio



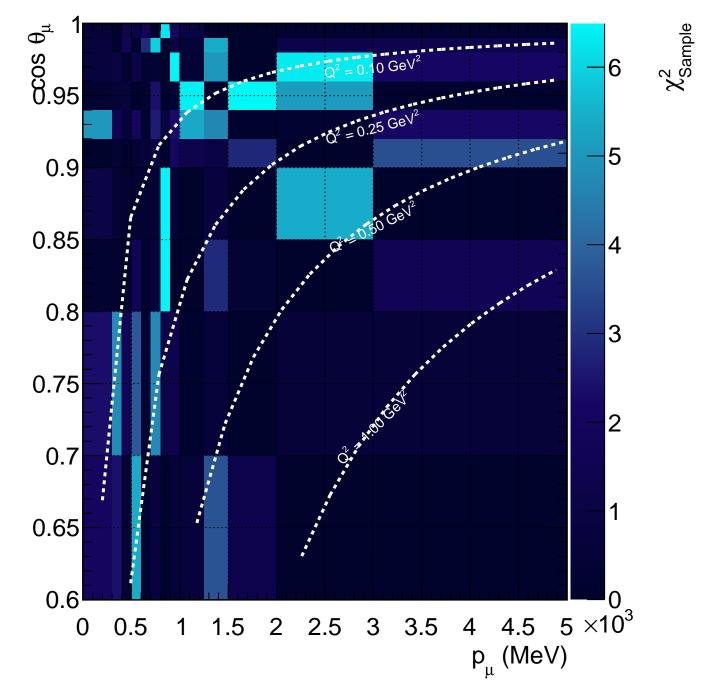
FGD1_numuCC_other_mode_ratio

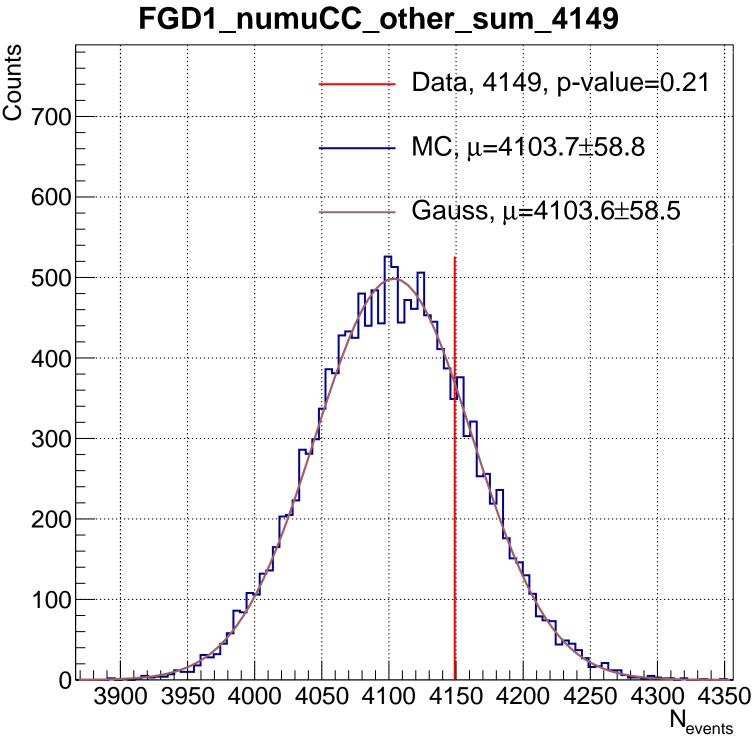


FGD1_numuCC_other_MeanInL

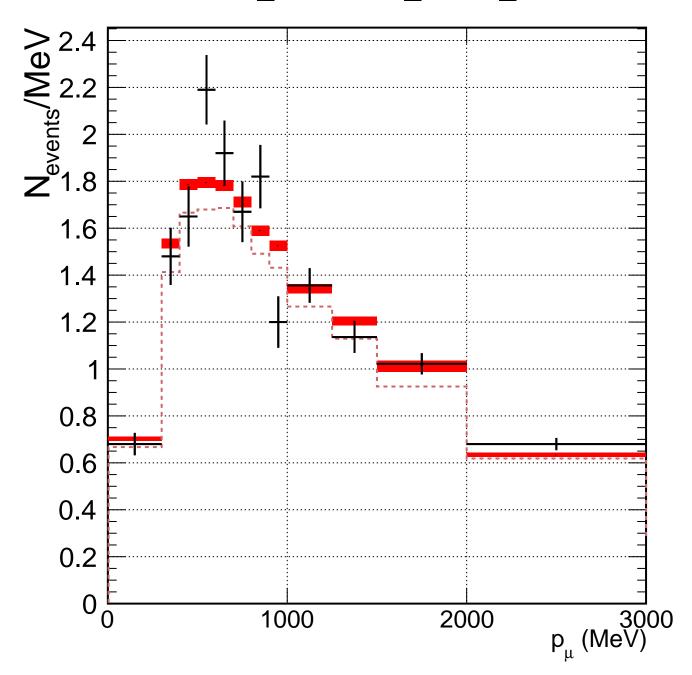


FGD1_numuCC_other_ModeInL

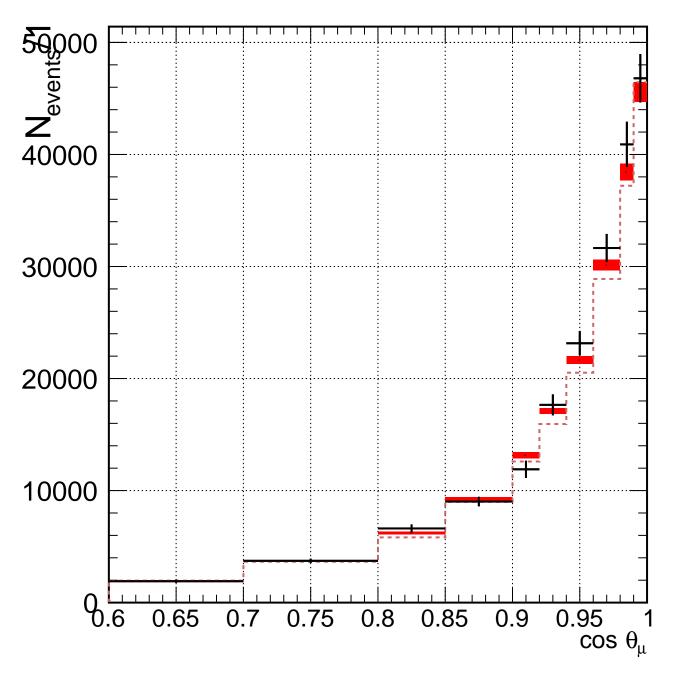




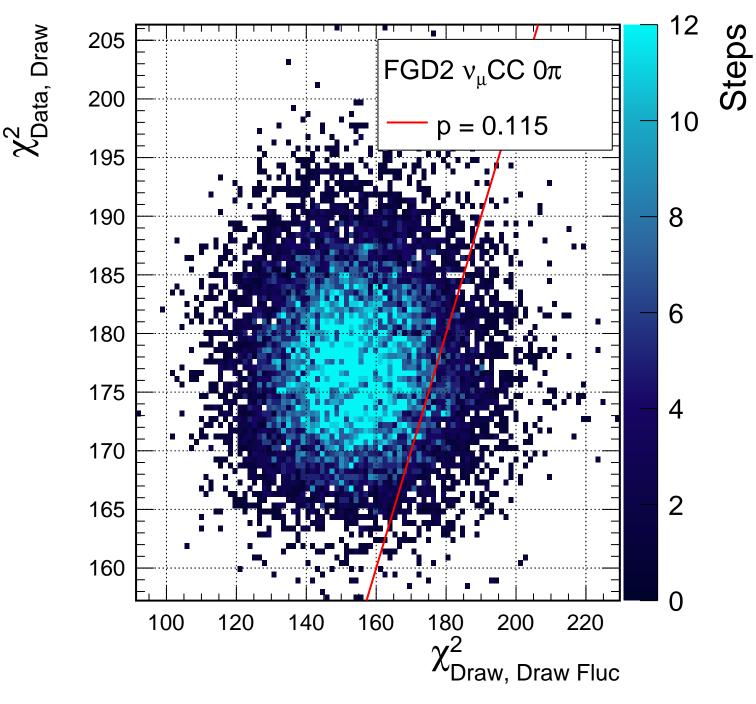
FGD1_numuCC_other_data



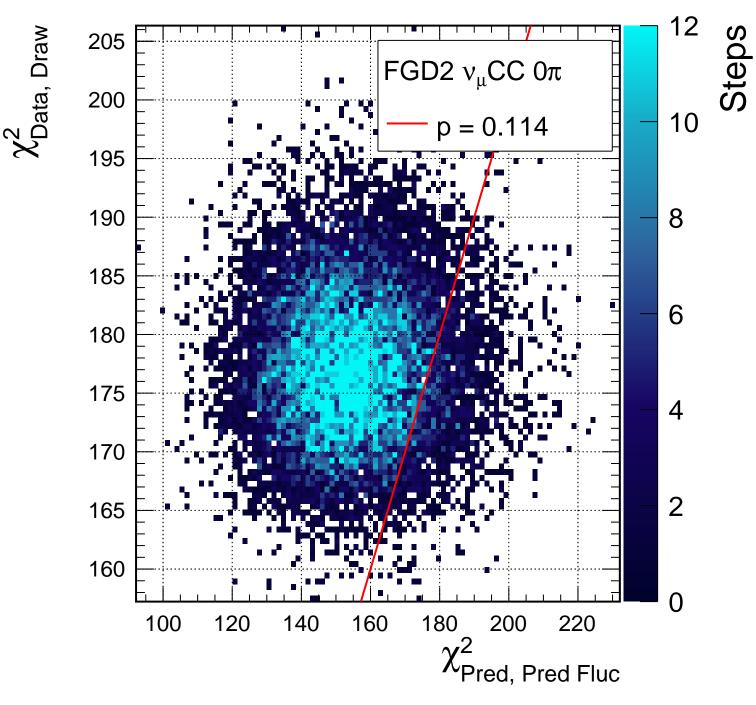
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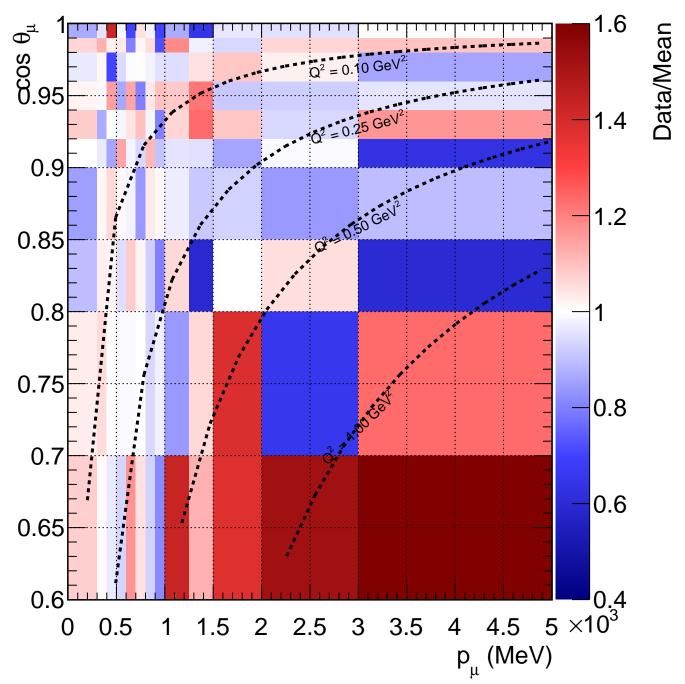
DataDrawFluc



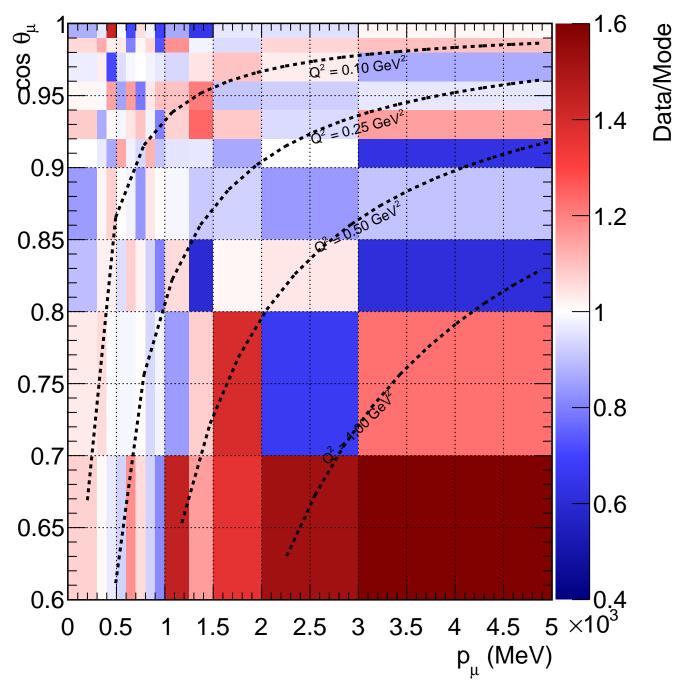
DataPredFluc



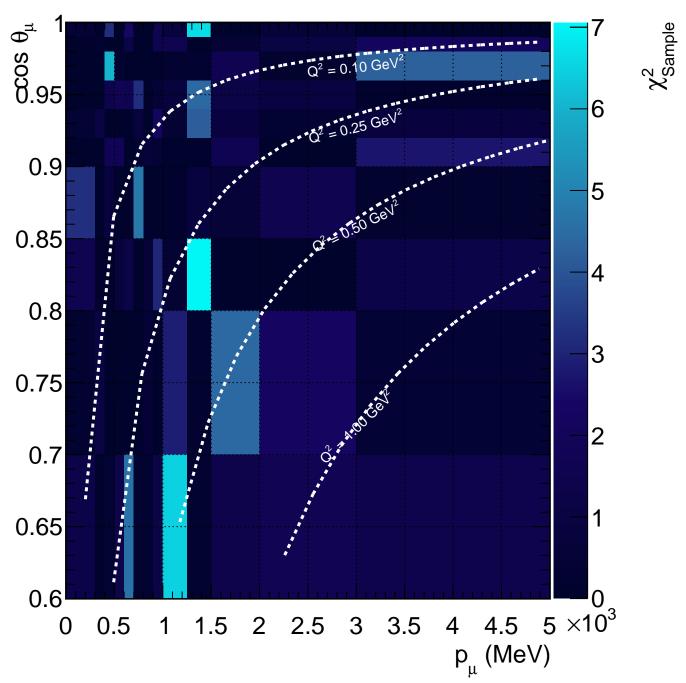
FGD2_numuCC_0pi_mean_ratio



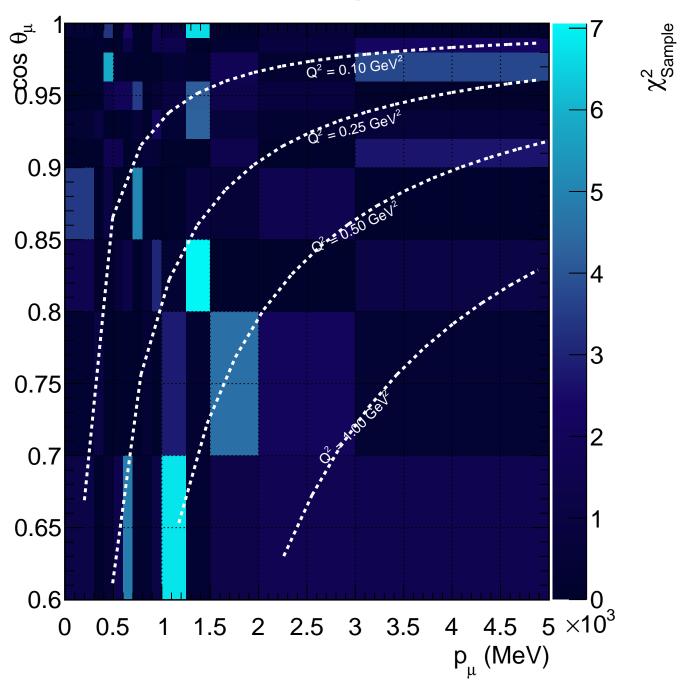
FGD2_numuCC_0pi_mode_ratio



FGD2_numuCC_0pi_MeanInL

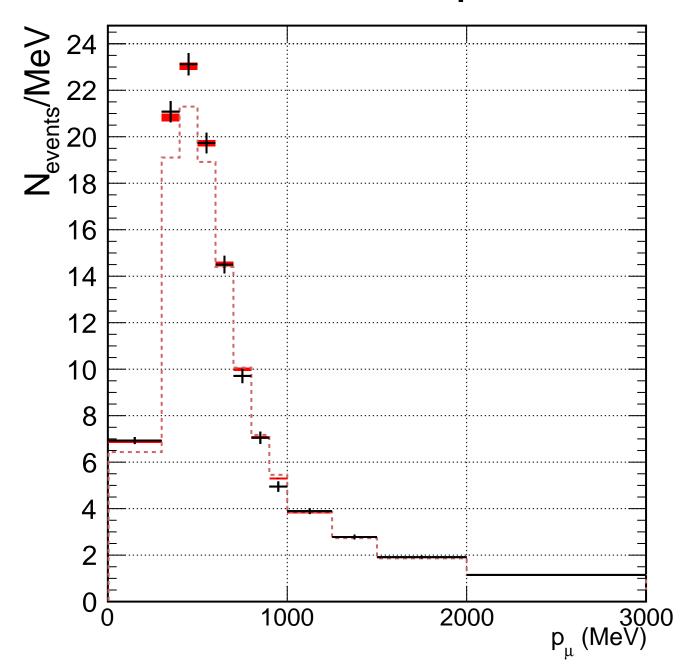


FGD2_numuCC_0pi_ModelnL

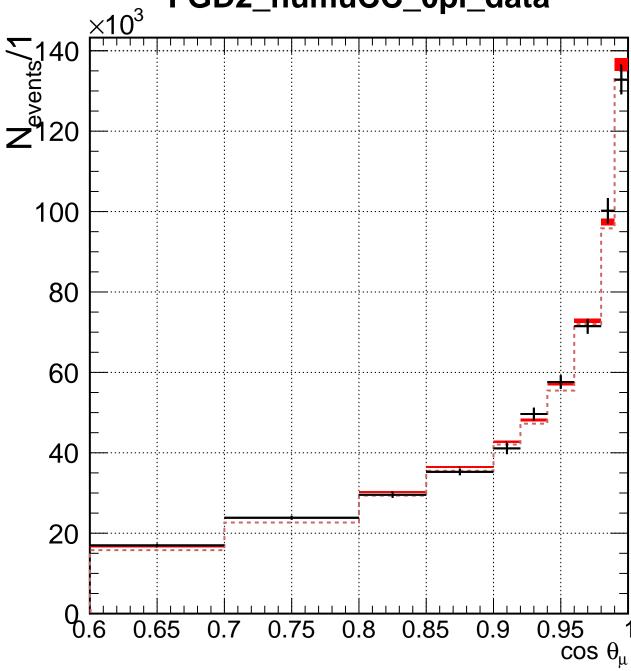


FGD2_numuCC_0pi_sum_17443 Counts 002 002 Data, 17443, p-value=0.68 MC, μ =17501.5±122.5 1000 Gauss, μ =17501.4±122.5 800 600 400 200 16600 16800 17000 17200 17400 17600 17800 18000 18200 ^levents

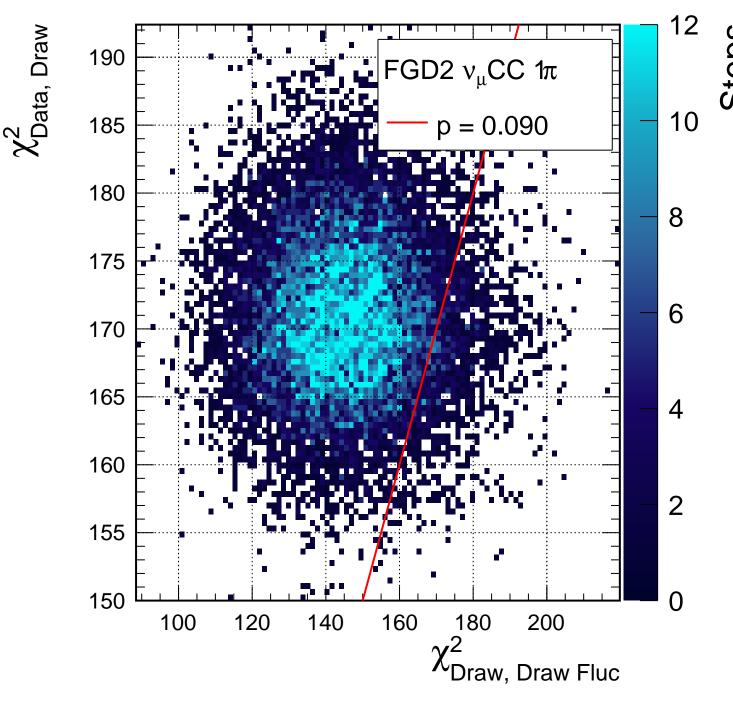
FGD2_numuCC_0pi_data



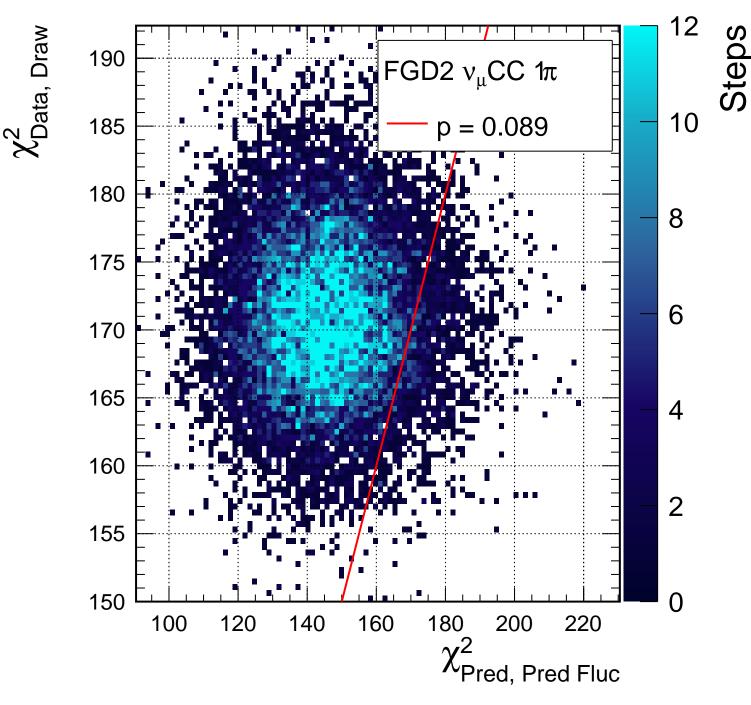
FGD2_numuCC_0pi_data



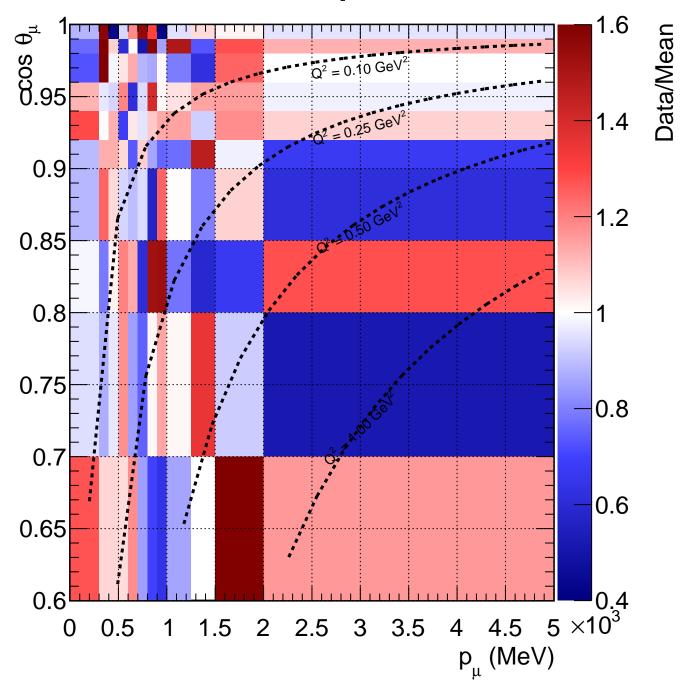
DataDrawFluc



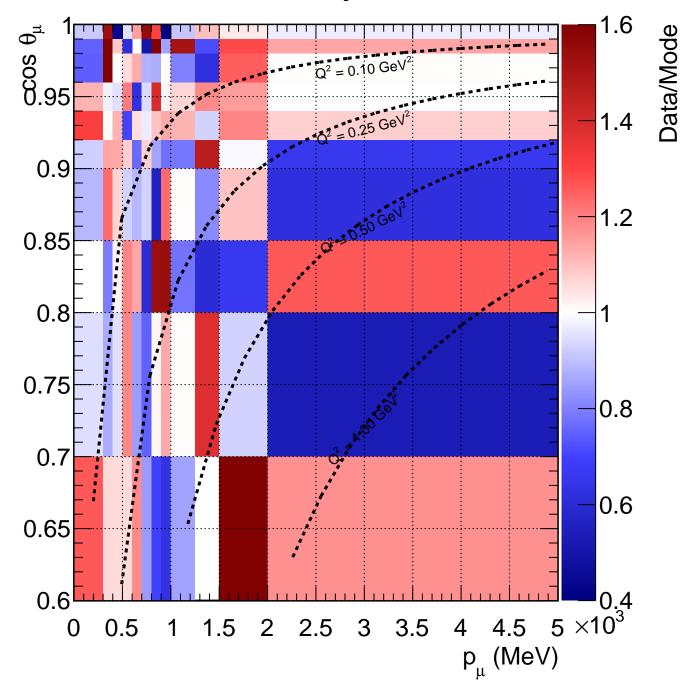
DataPredFluc



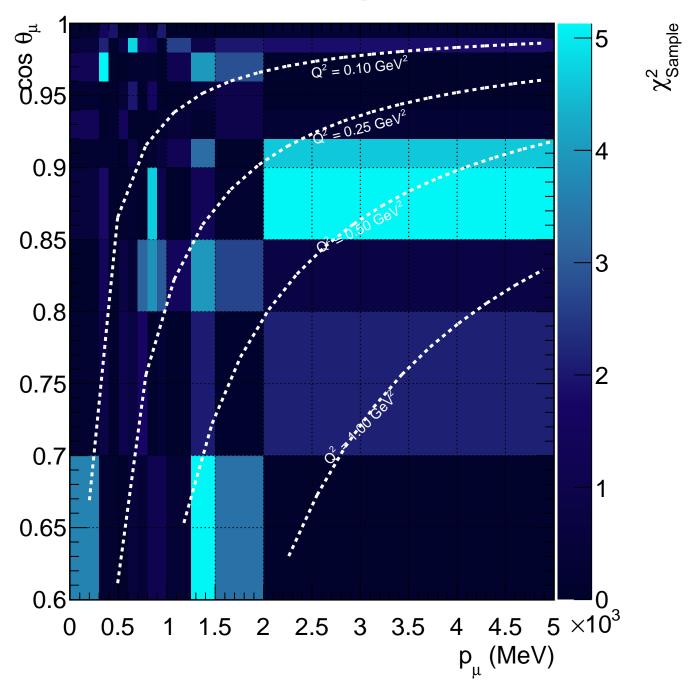
FGD2_numuCC_1pi_mean_ratio



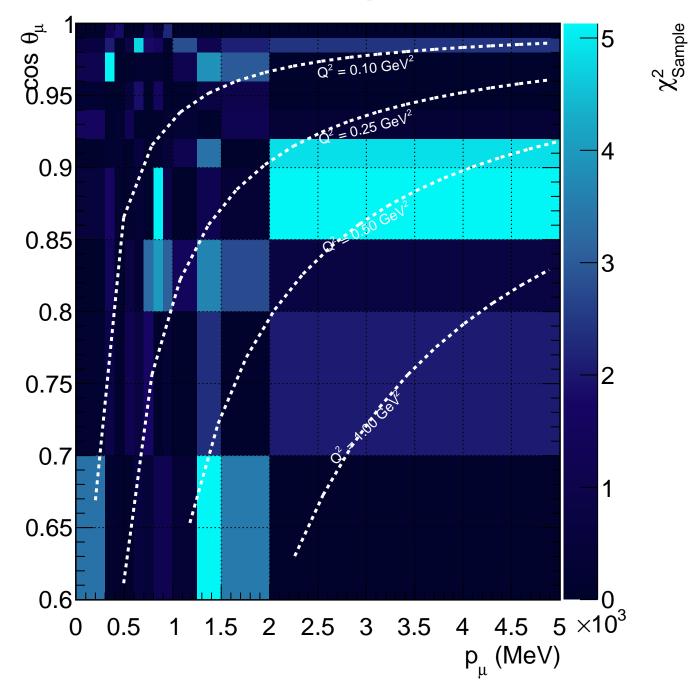
FGD2_numuCC_1pi_mode_ratio



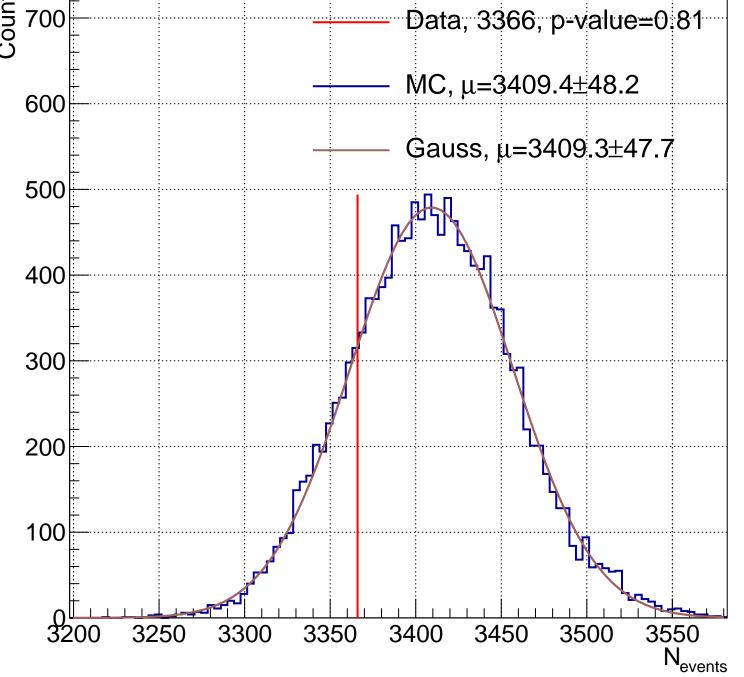
FGD2_numuCC_1pi_MeanInL



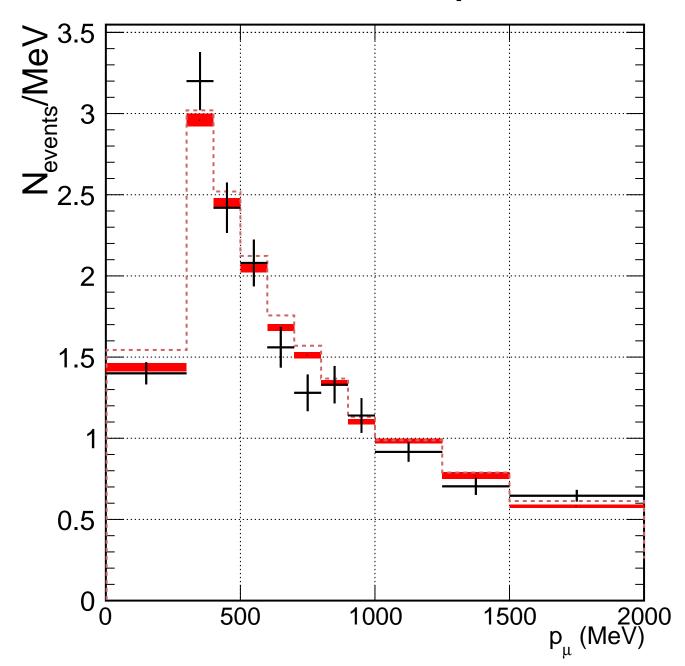
FGD2_numuCC_1pi_ModeInL



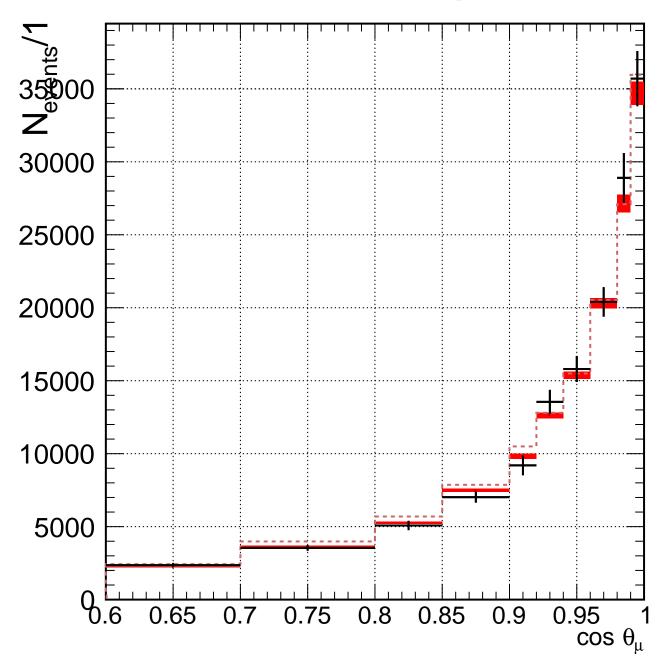
FGD2_numuCC_1pi_sum_3366



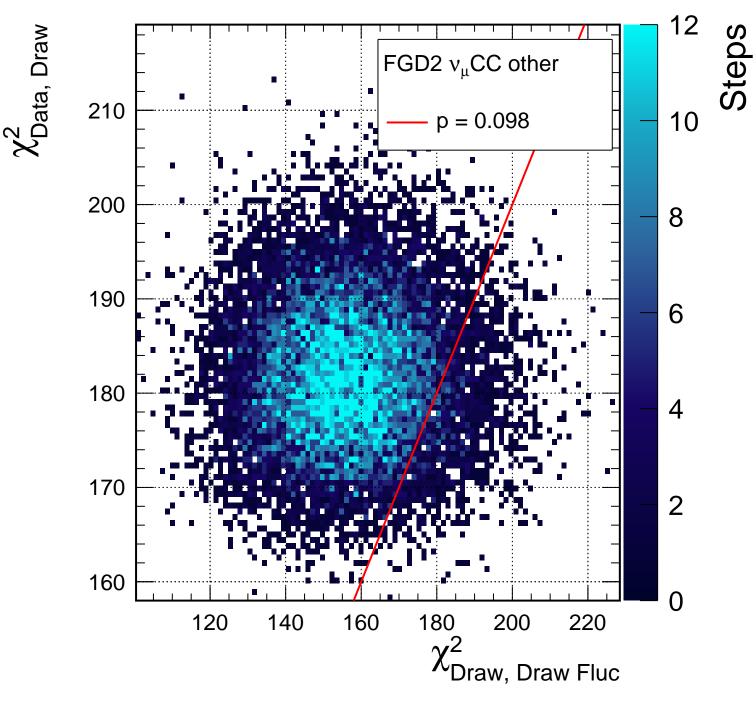
FGD2_numuCC_1pi_data



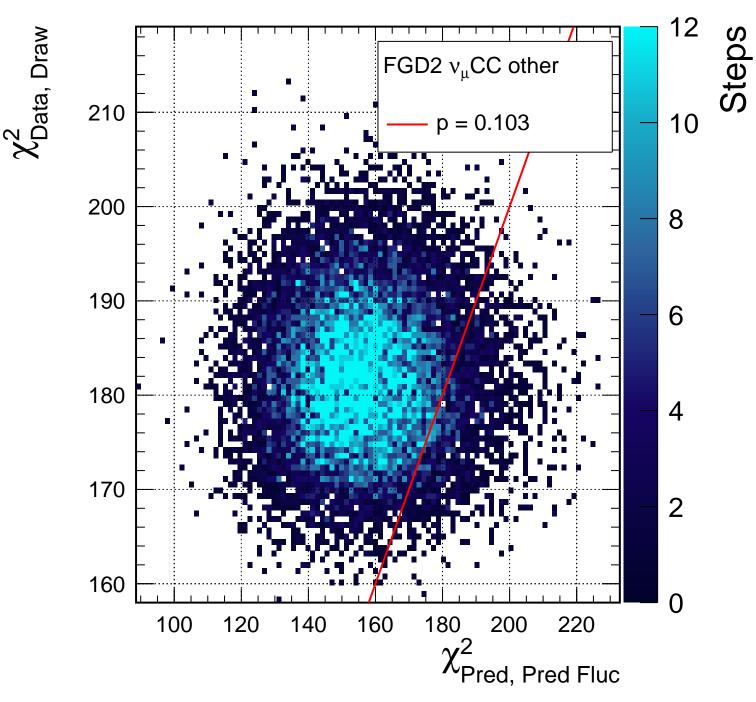
FGD2_numuCC_1pi_data



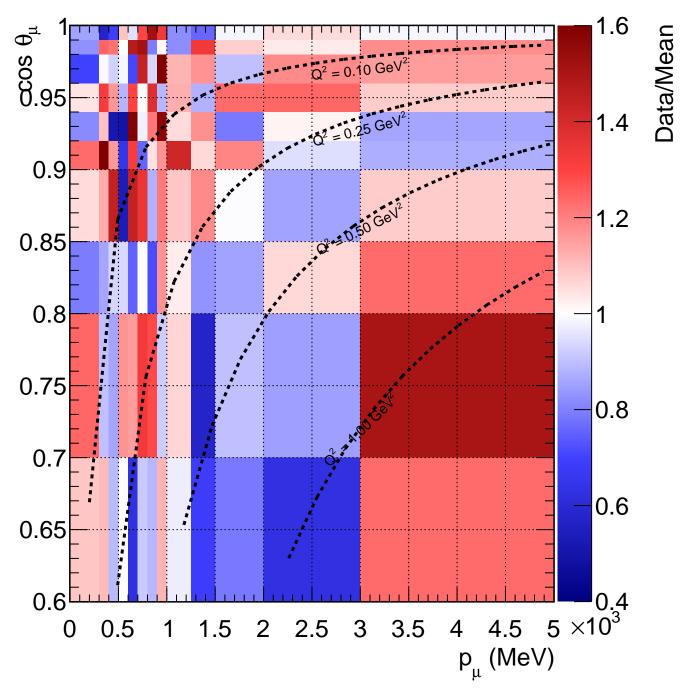
DataDrawFluc



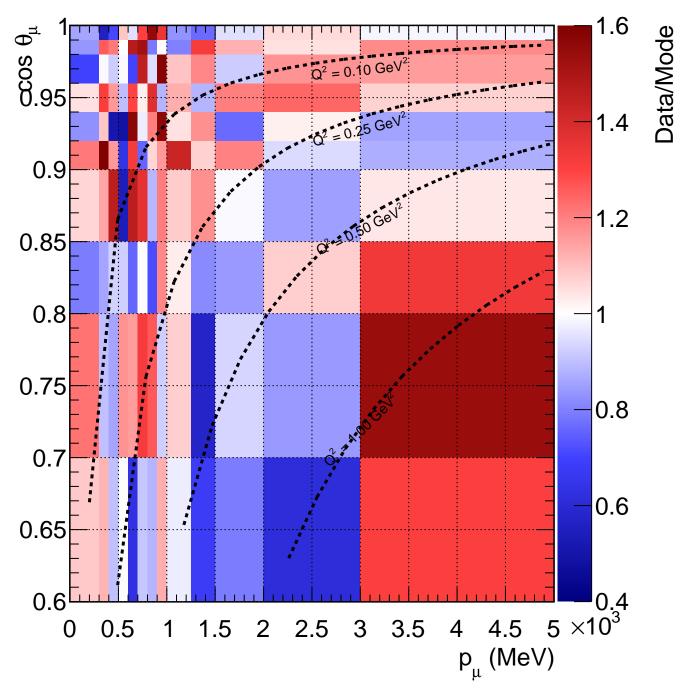
DataPredFluc



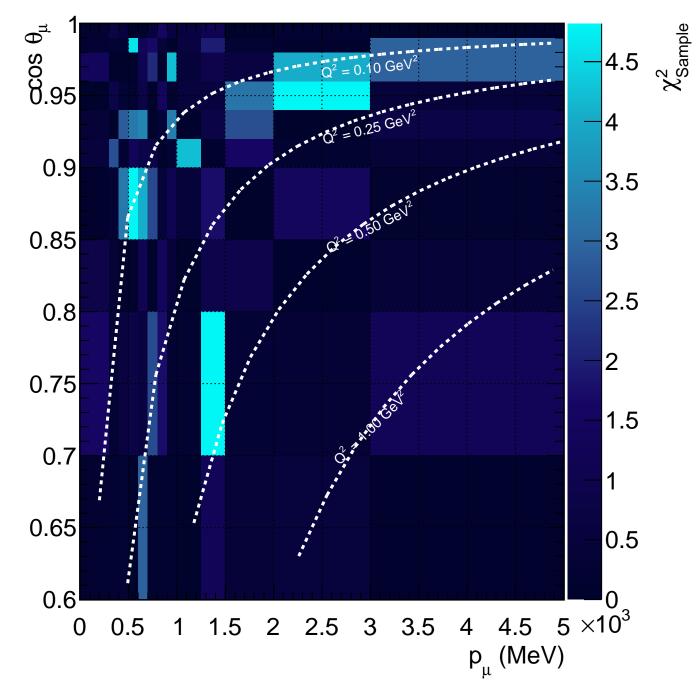
FGD2_numuCC_other_mean_ratio



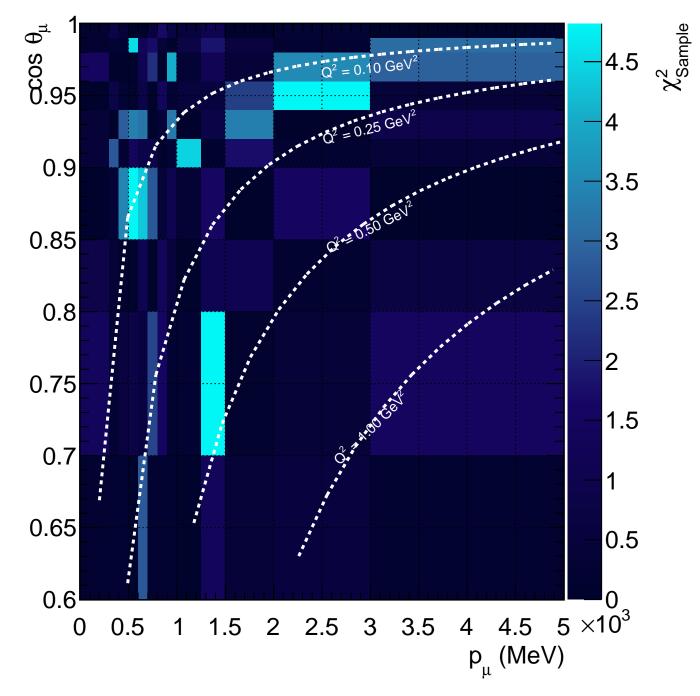
FGD2_numuCC_other_mode_ratio



FGD2_numuCC_other_MeanInL



FGD2_numuCC_other_ModeInL

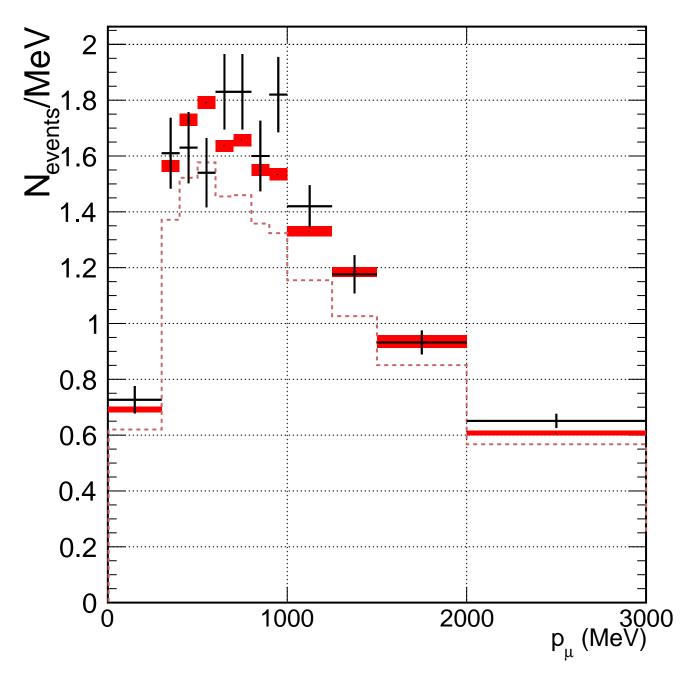


FGD2_numuCC_other_sum_4075 Data, 4075, p-value=0.00 MC, μ =3917.8±50.8 Gauss, μ=3913.1±55.0

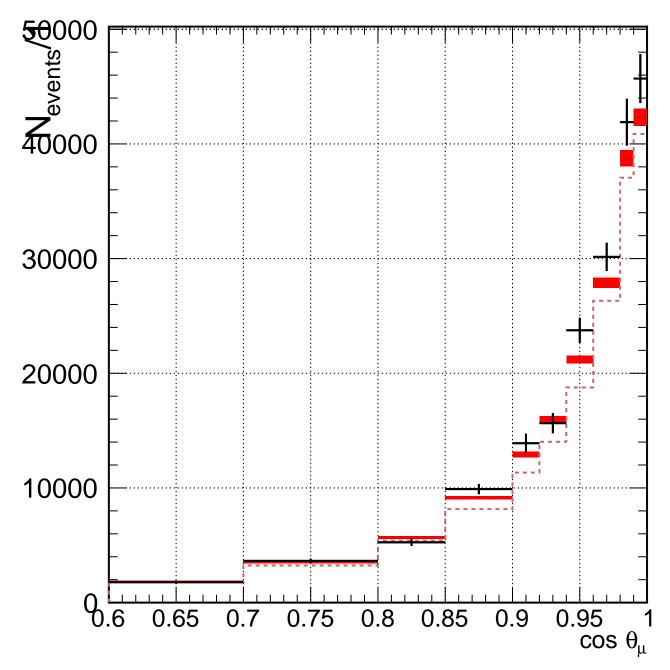
4050 4100

 $N_{
m events}$

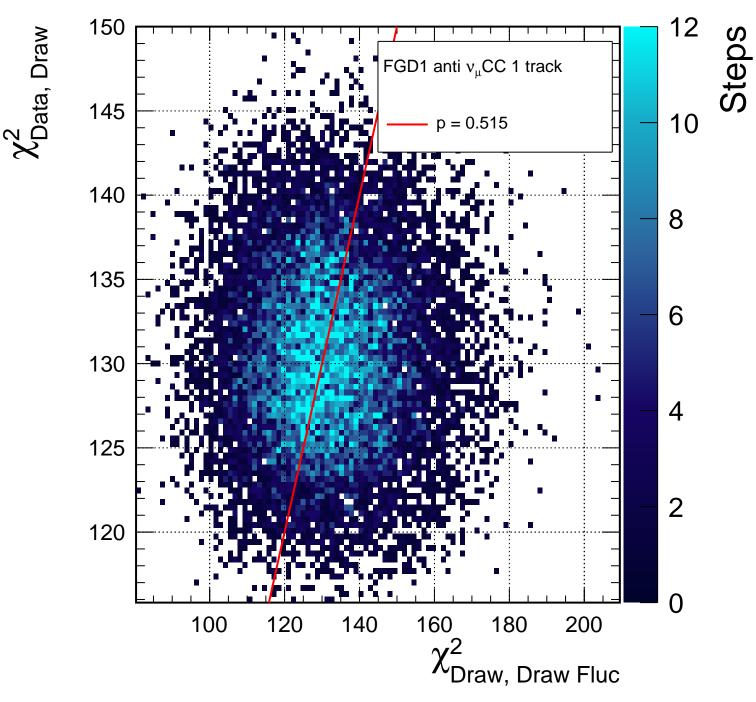
FGD2_numuCC_other_data



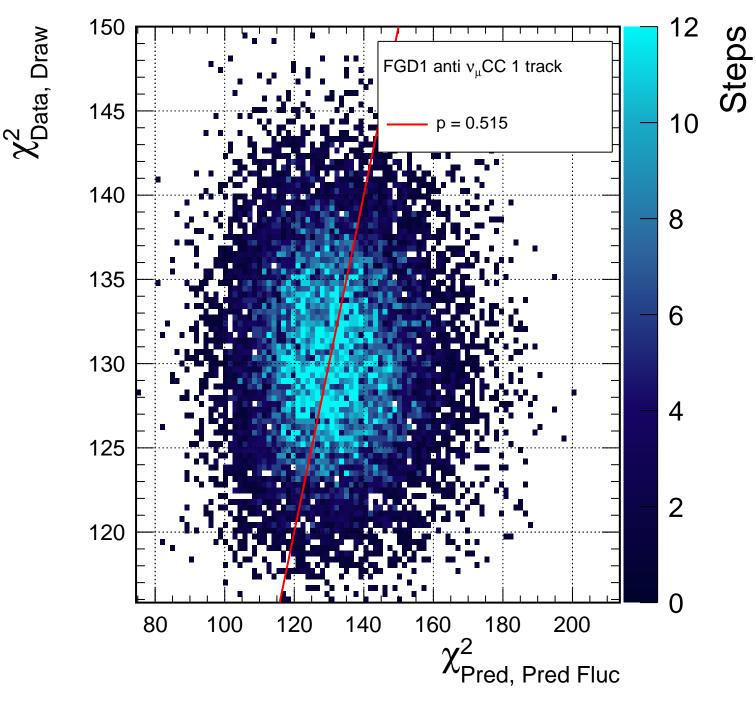
FGD2_numuCC_other_data



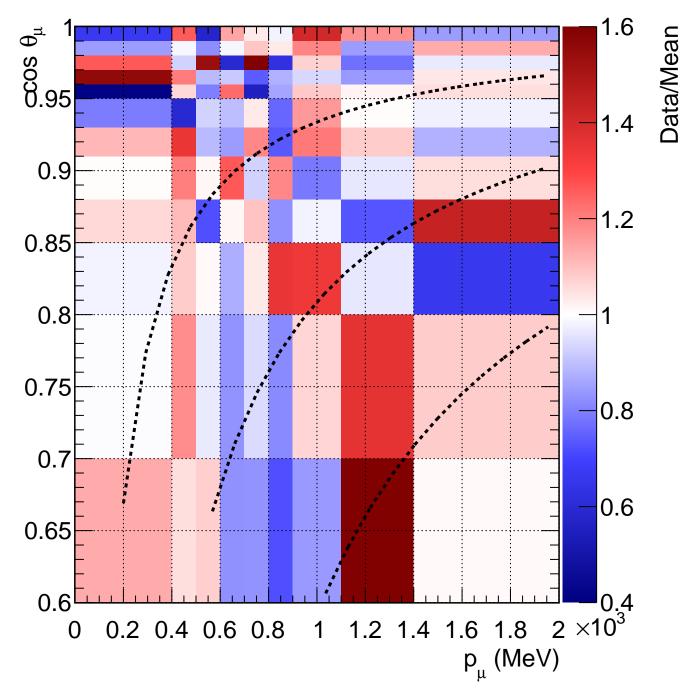
DataDrawFluc



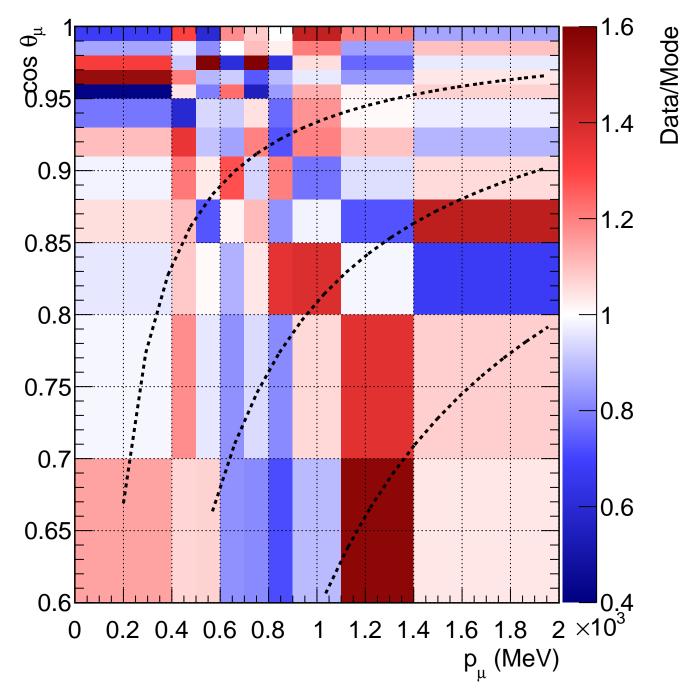
DataPredFluc



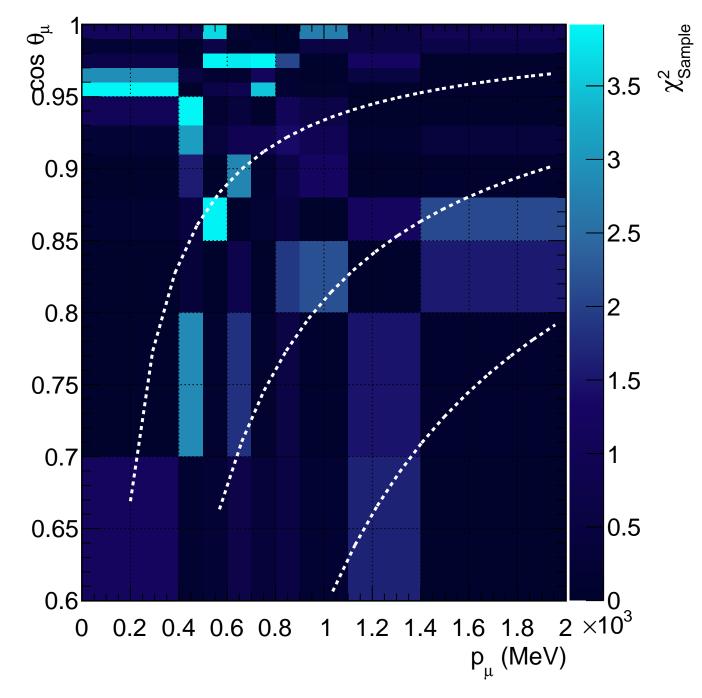
FGD1_anti-numuCC_QE_mean_ratio



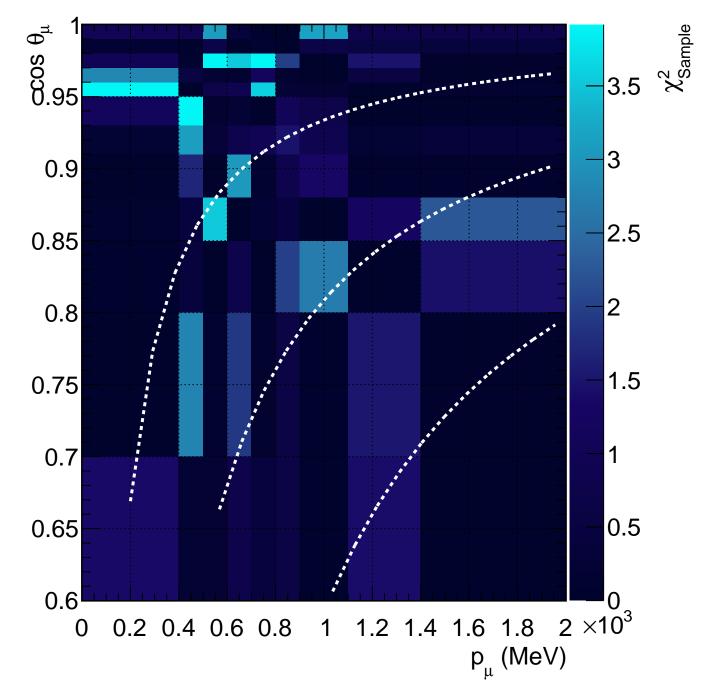
FGD1_anti-numuCC_QE_mode_ratio



FGD1_anti-numuCC_QE_MeanInL



FGD1_anti-numuCC_QE_ModeInL

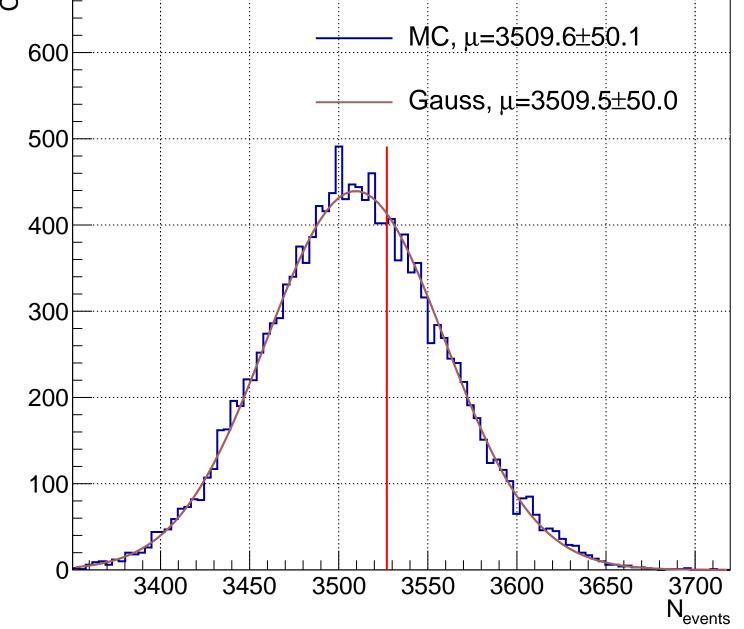


FGD1_anti-numuCC_QE_sum_3527

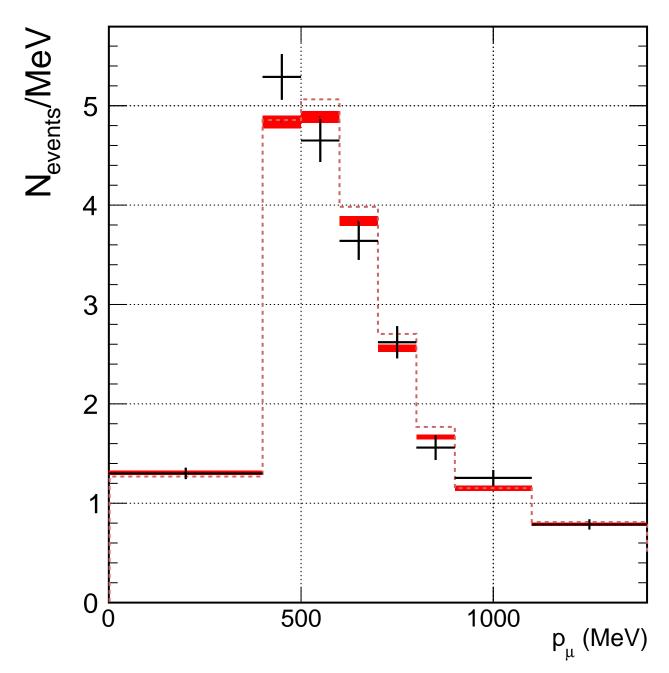
Data, 3527, p-value=0.35

MC, μ=3509.6±50.1

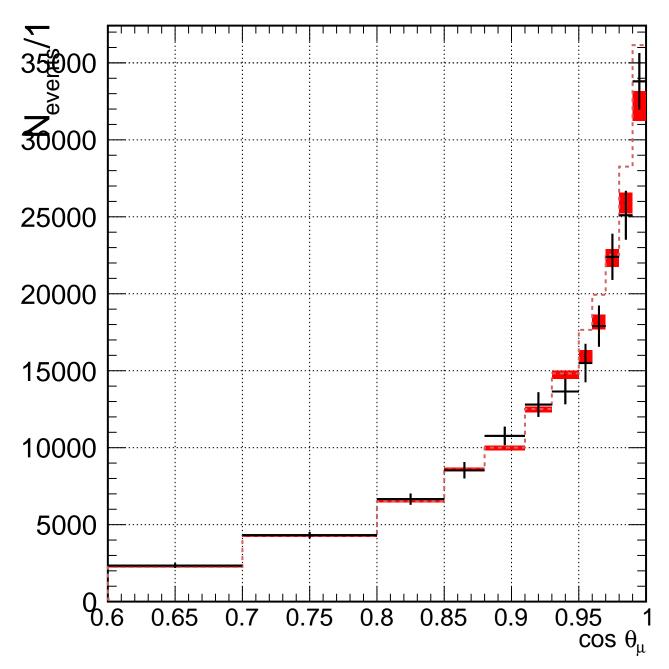
700



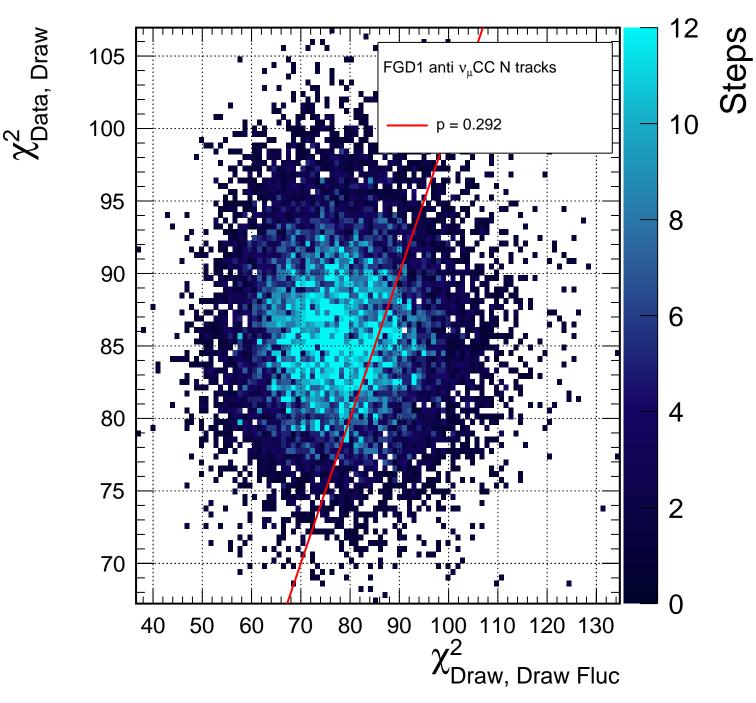
FGD1_anti-numuCC_QE_data



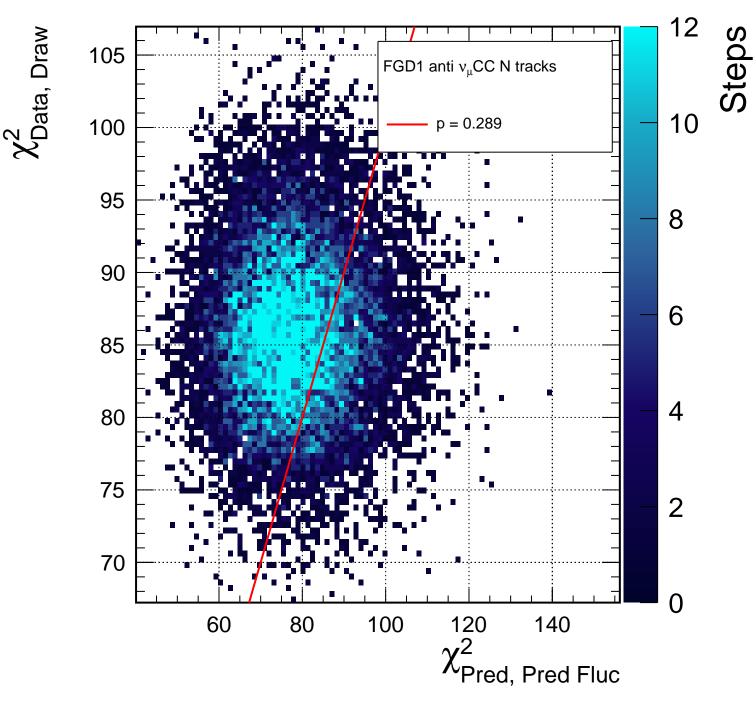
FGD1_anti-numuCC_QE_data



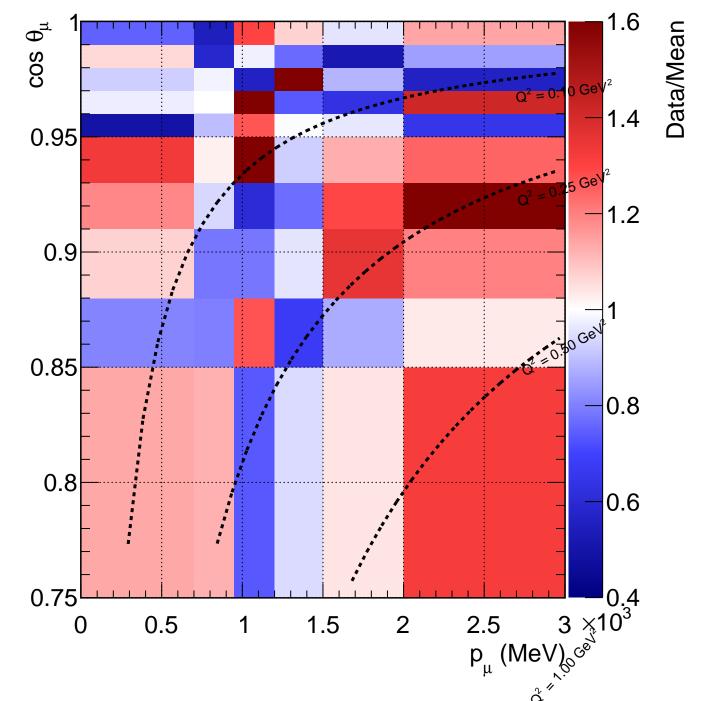
DataDrawFluc



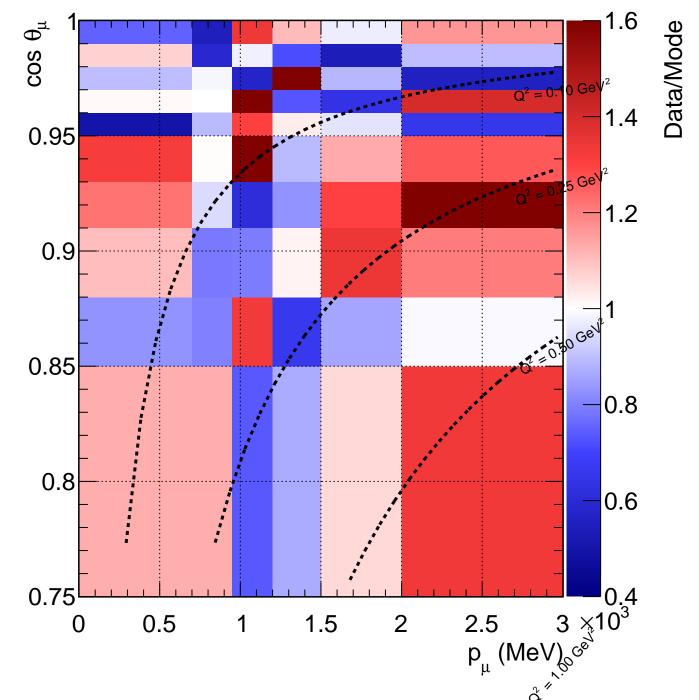
DataPredFluc



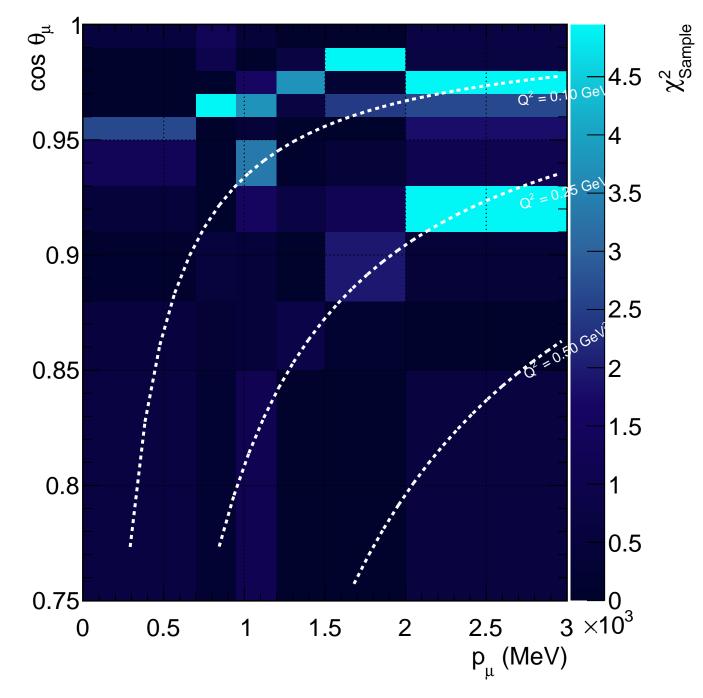
FGD1_anti-numuCC_nQE_mean_ratio



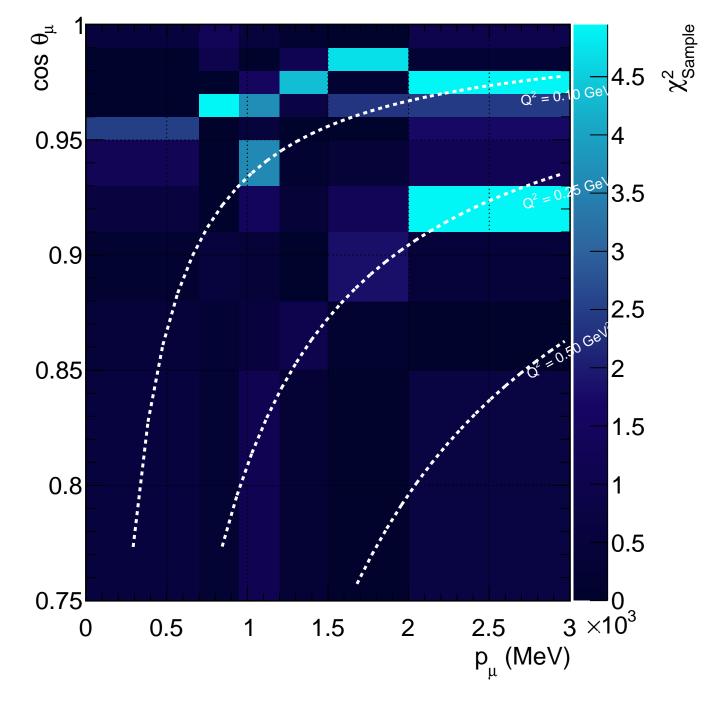
FGD1_anti-numuCC_nQE_mode_ratio



FGD1_anti-numuCC_nQE_MeanInL

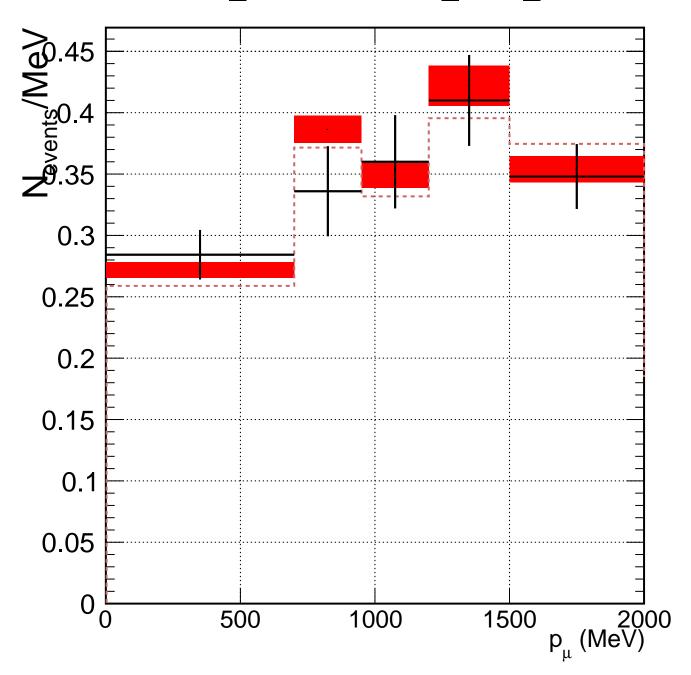


FGD1_anti-numuCC_nQE_ModeInL

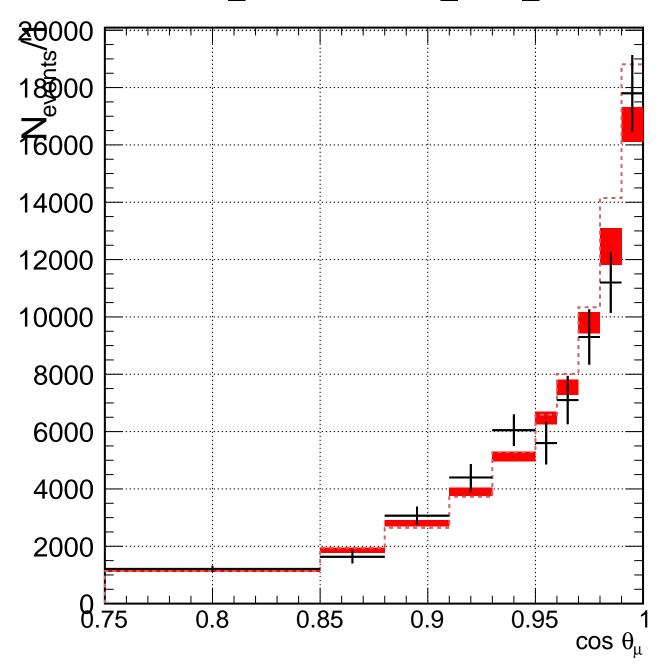


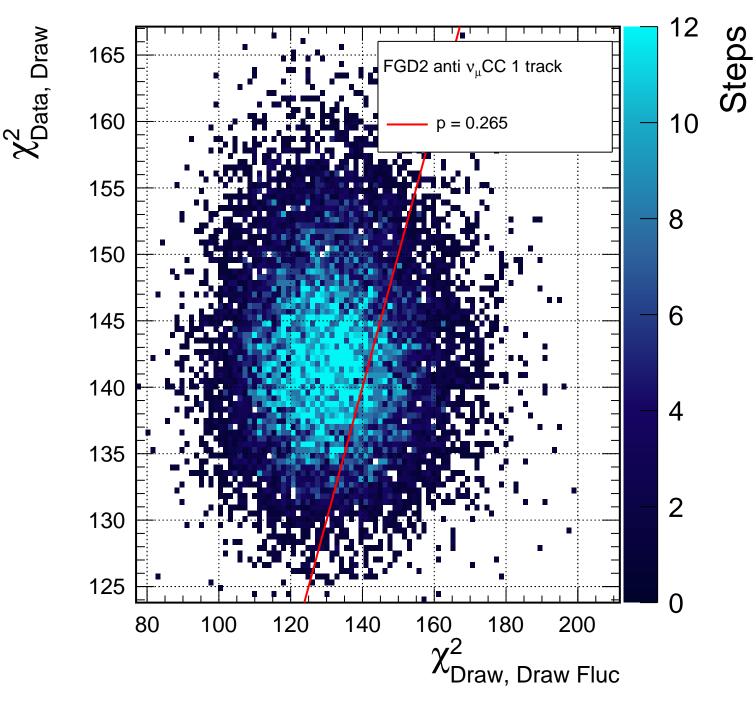
FGD1_anti-numuCC_nQE_sum_1054 Data, 1054, p-value=0.66 MC, μ =1062.7±21.9 Gauss, μ=1063.1±22.7 events

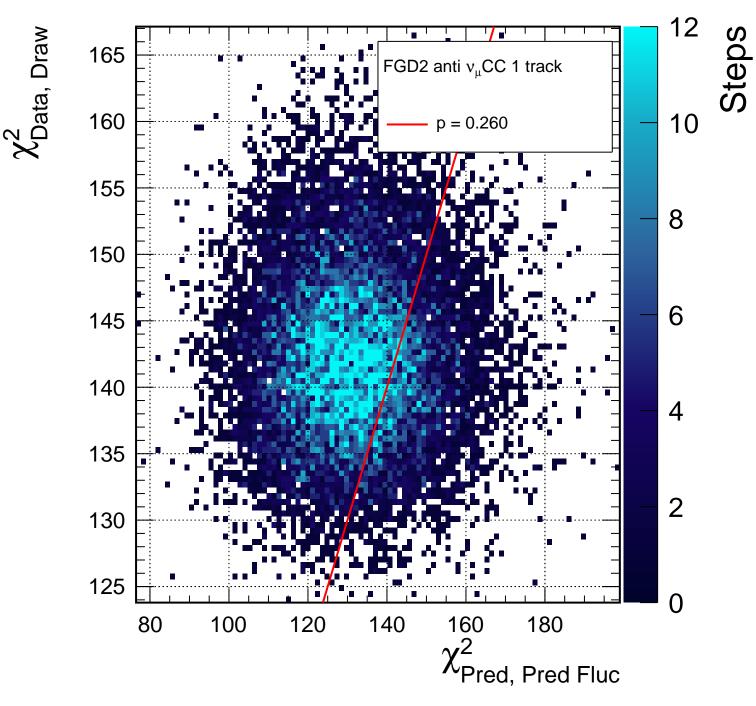
FGD1_anti-numuCC_nQE_data



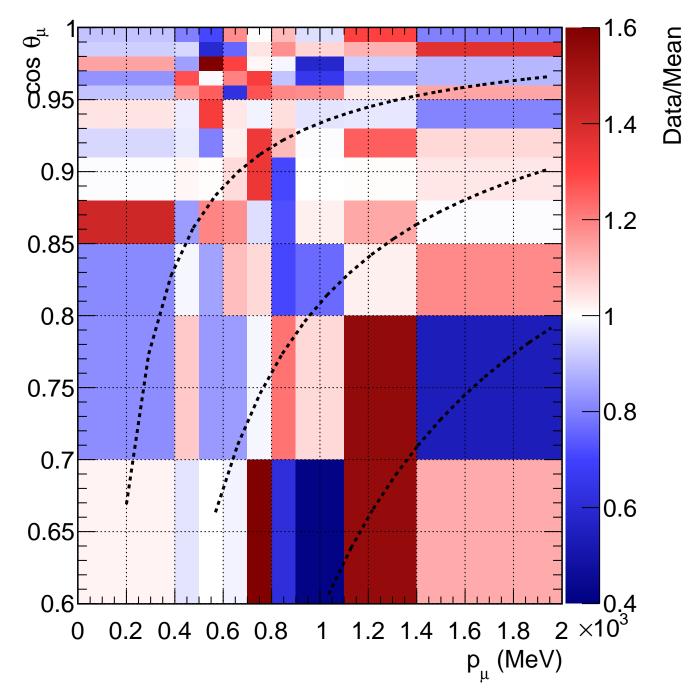
FGD1_anti-numuCC_nQE_data



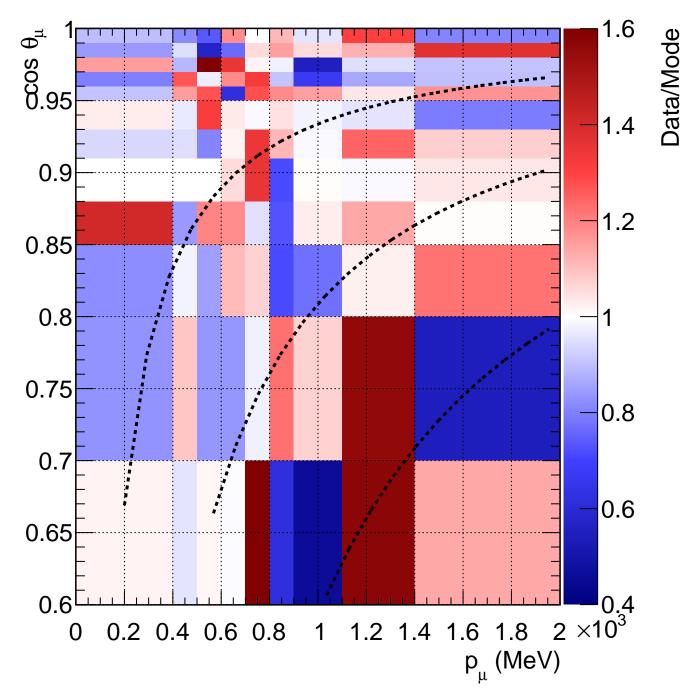




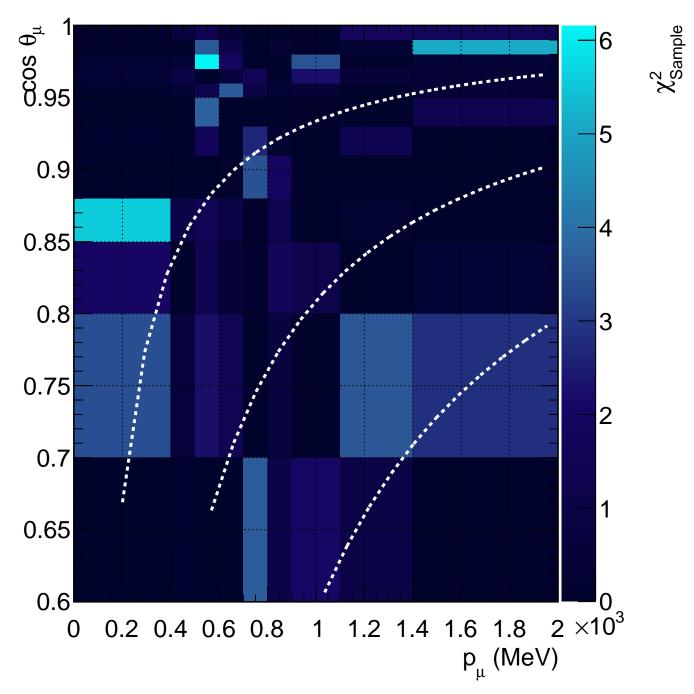
FGD2_anti-numuCC_1_track_mean_ratio



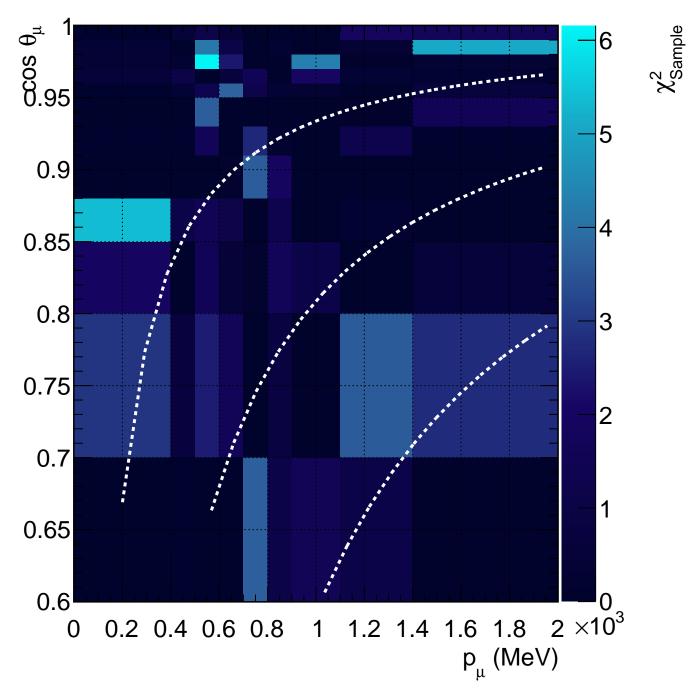
FGD2_anti-numuCC_1_track_mode_ratio



FGD2_anti-numuCC_1_track_MeanInL

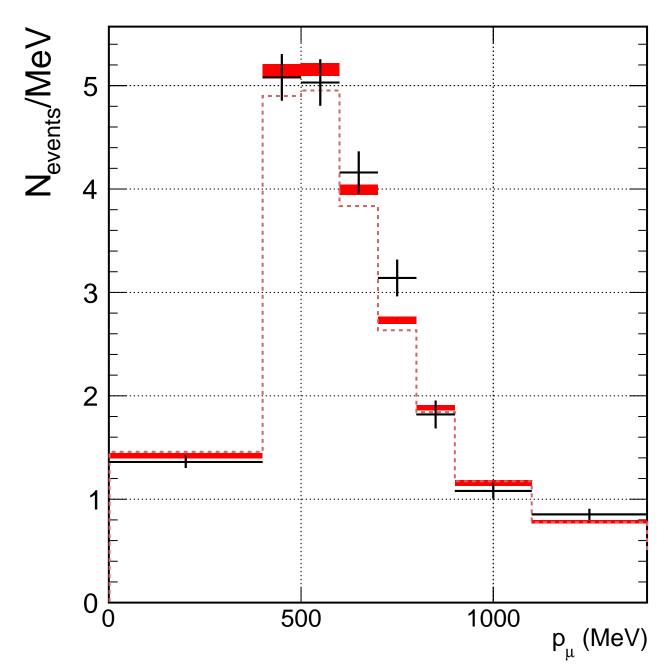


FGD2_anti-numuCC_1_track_ModelnL

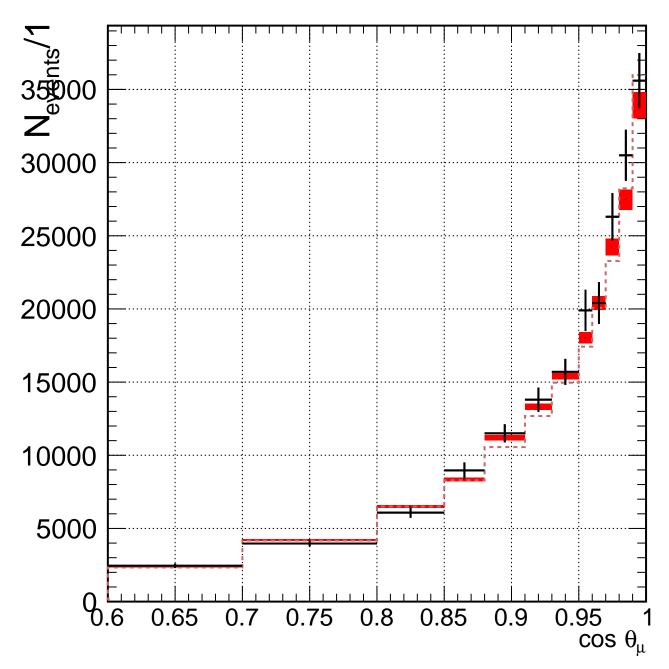


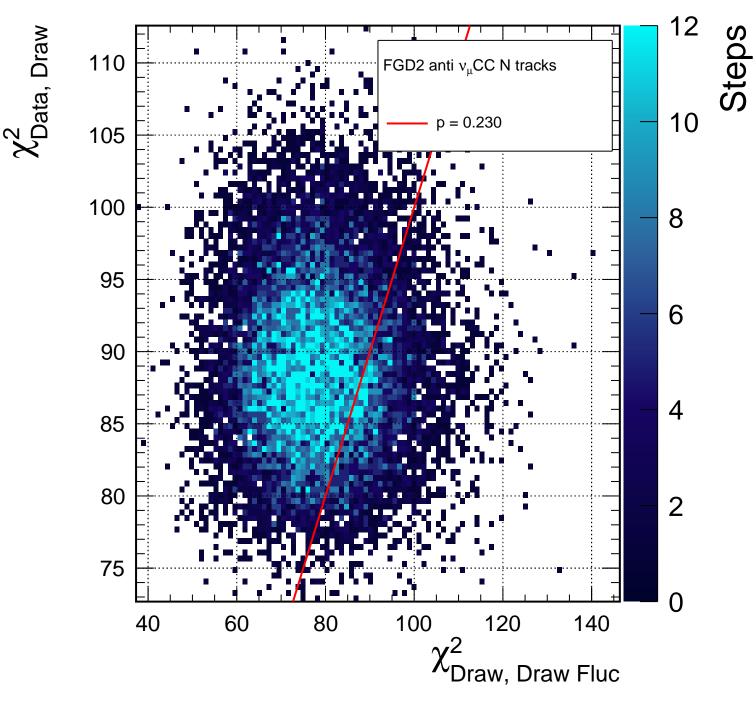
FGD2_anti-numuCC_1_track_sum_3732 Data, 3732, p-value=0.16 MC, μ =3678.7±51.3 Gauss, μ =3678.4±50.9 ${\rm N}_{\rm events}$

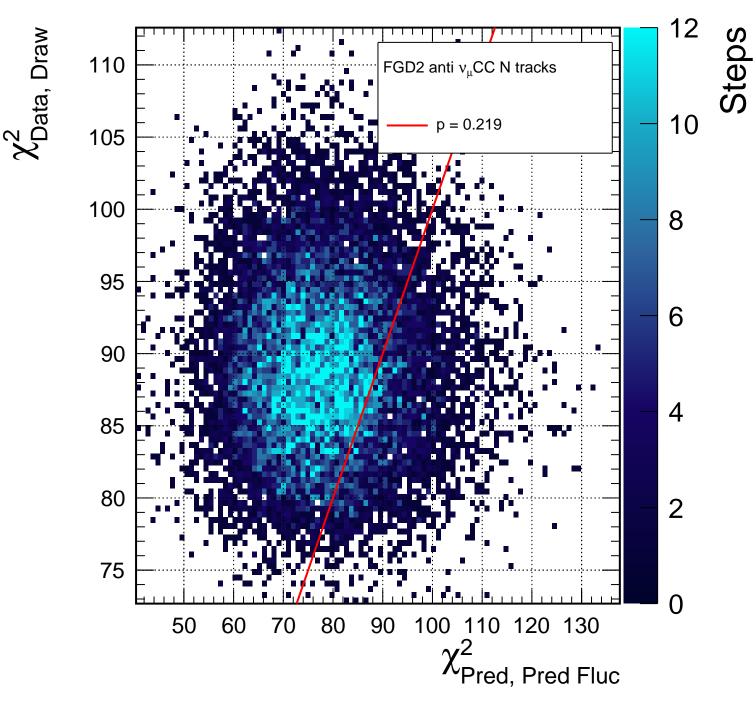
FGD2_anti-numuCC_1_track_data



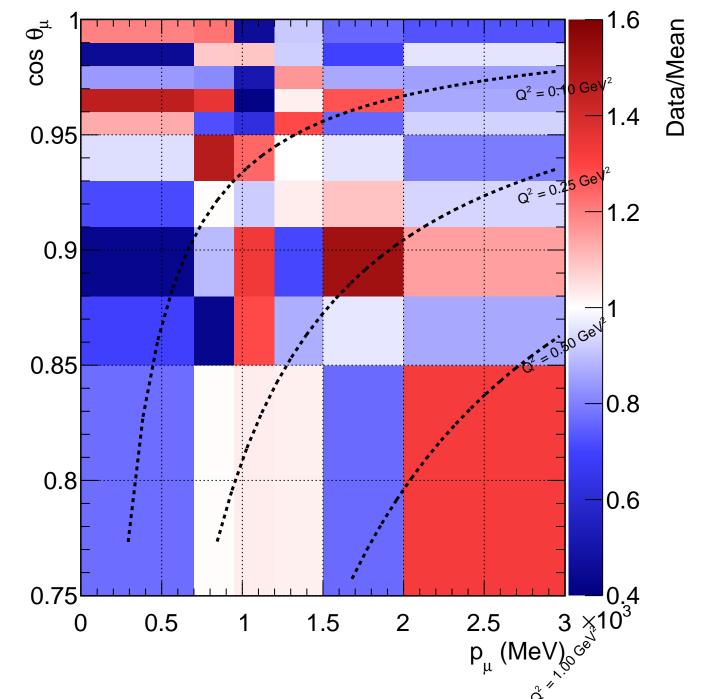
FGD2_anti-numuCC_1_track_data



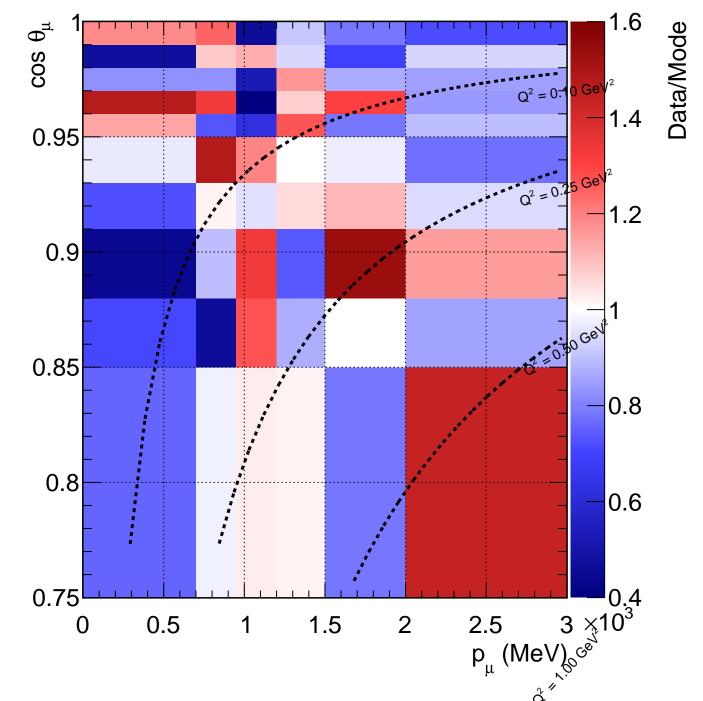




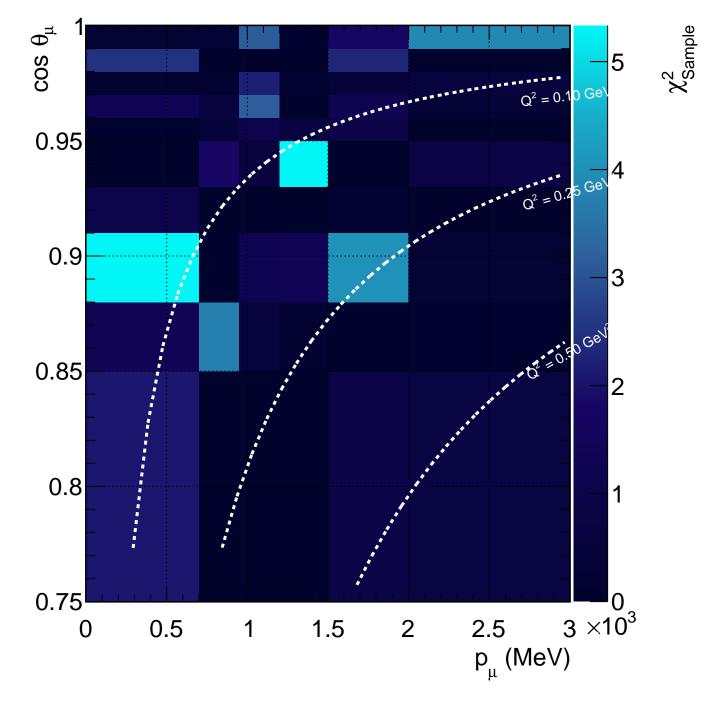
FGD2_anti-numuCC_N_tracks_mean_ratio



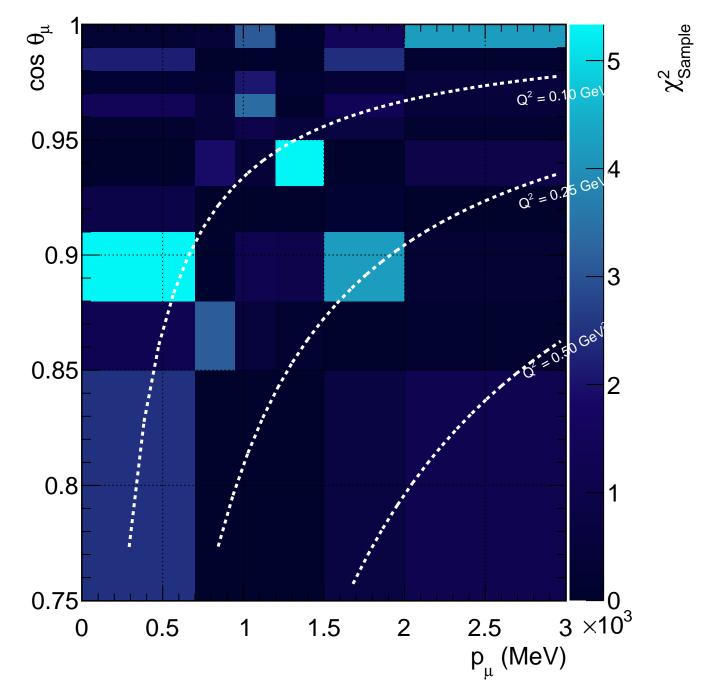
FGD2_anti-numuCC_N_tracks_mode_ratio

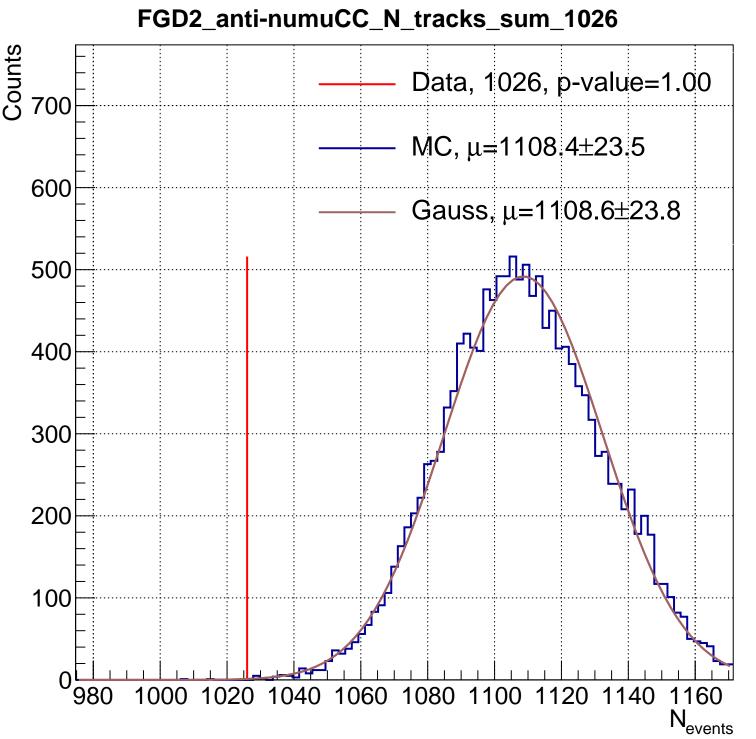


FGD2_anti-numuCC_N_tracks_MeanInL

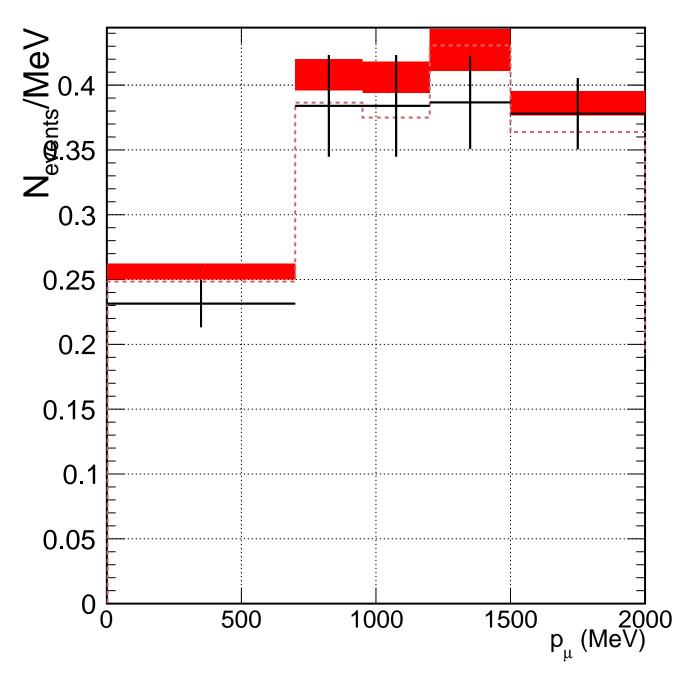


FGD2_anti-numuCC_N_tracks_ModeInL

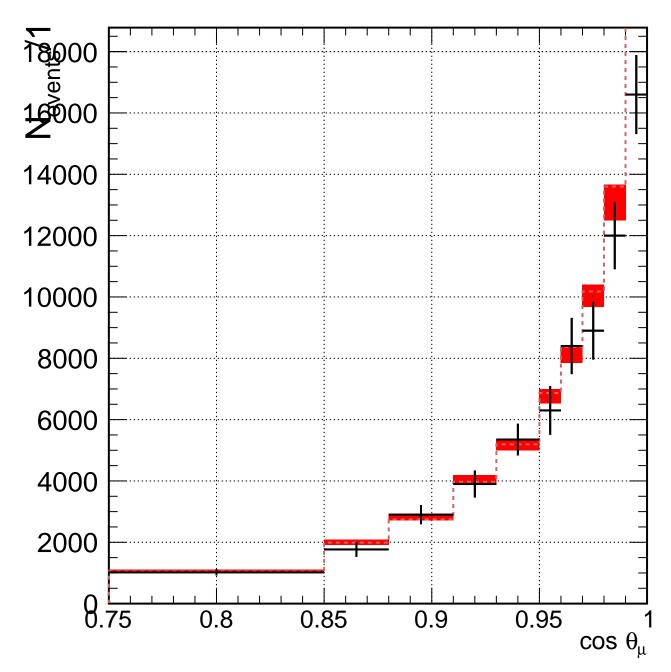


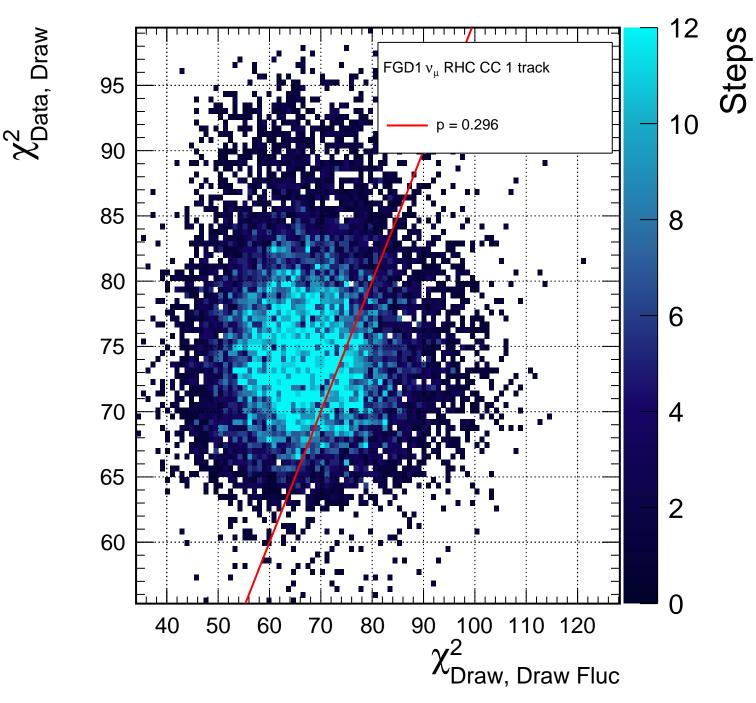


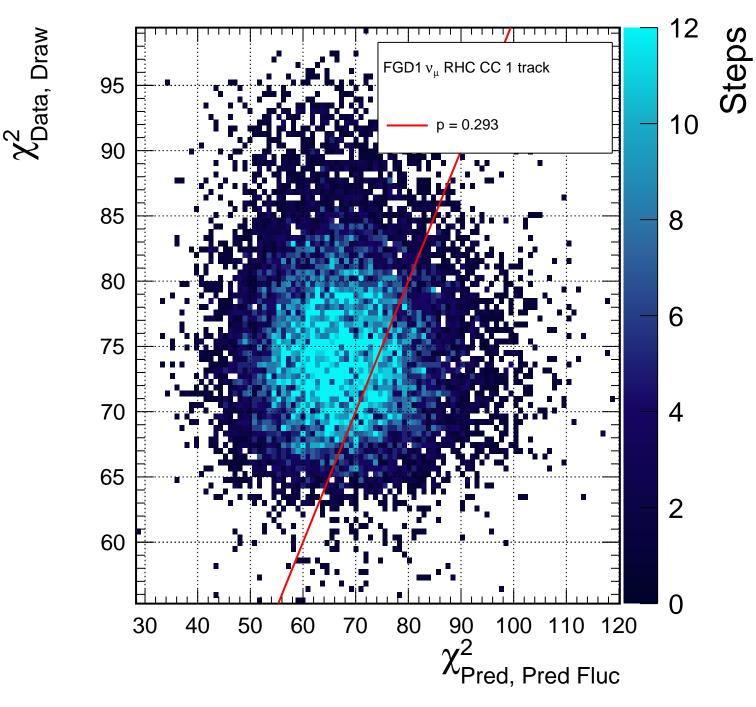
FGD2_anti-numuCC_N_tracks_data



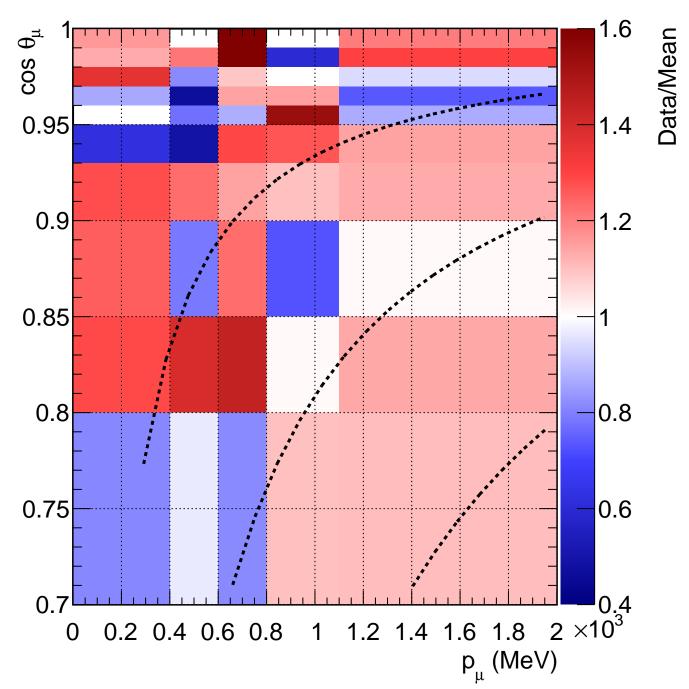
FGD2_anti-numuCC_N_tracks_data



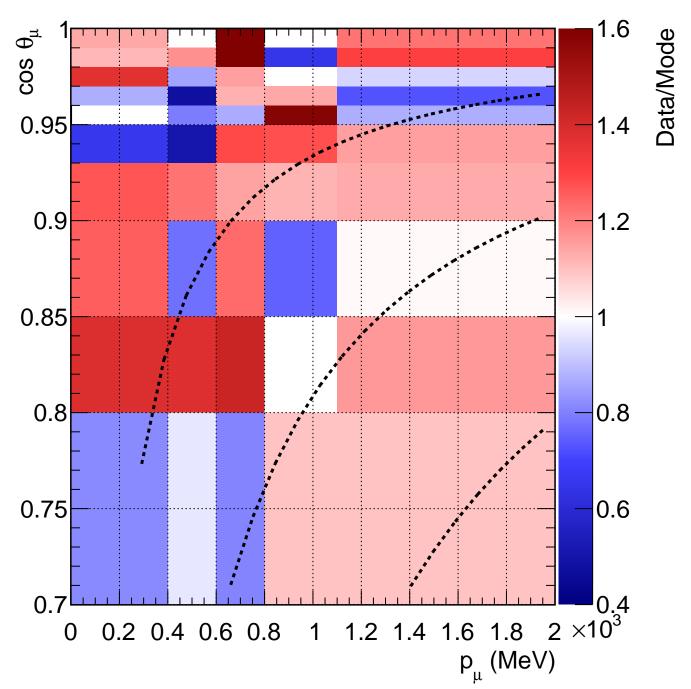




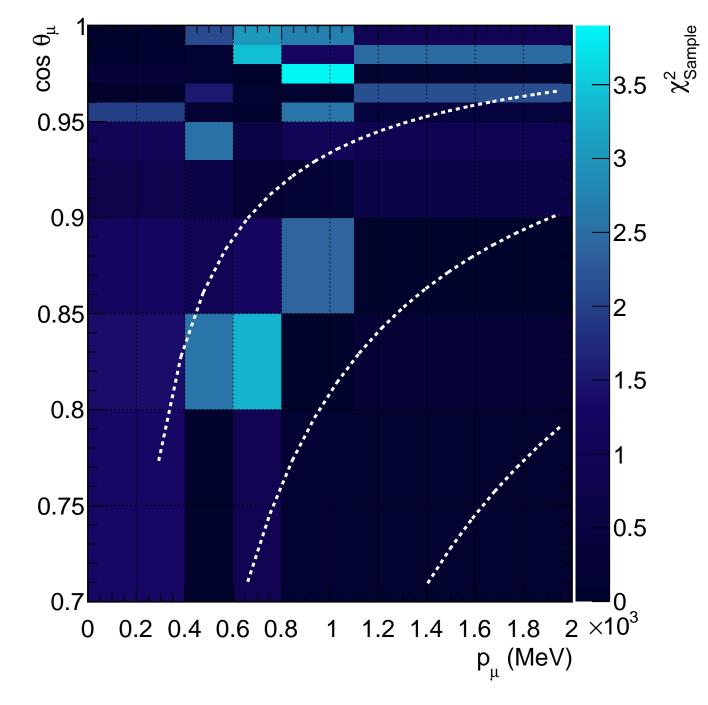
FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__mean_ratio



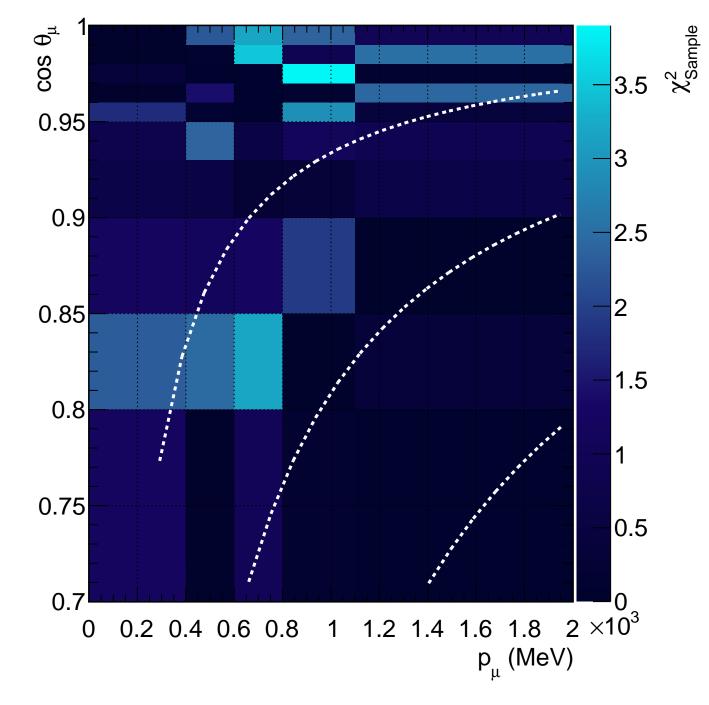
FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__mode_ratio



FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__MeanInL

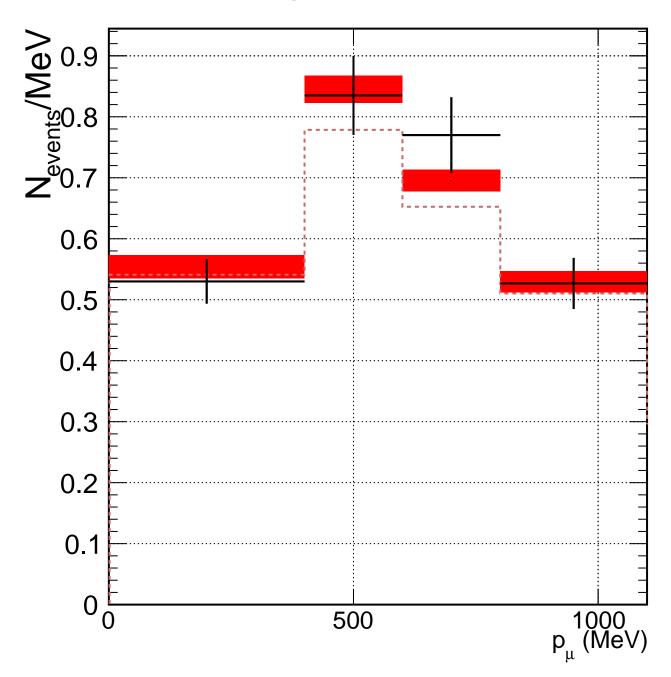


FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__ModeInL

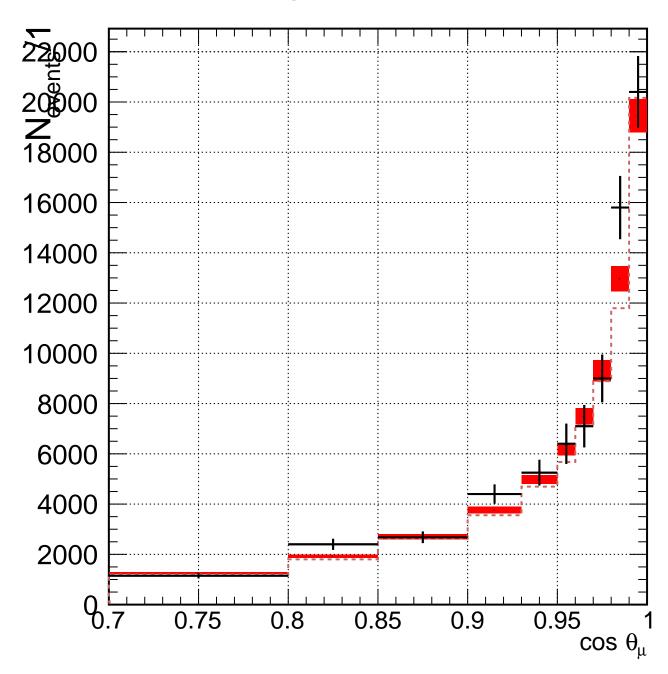


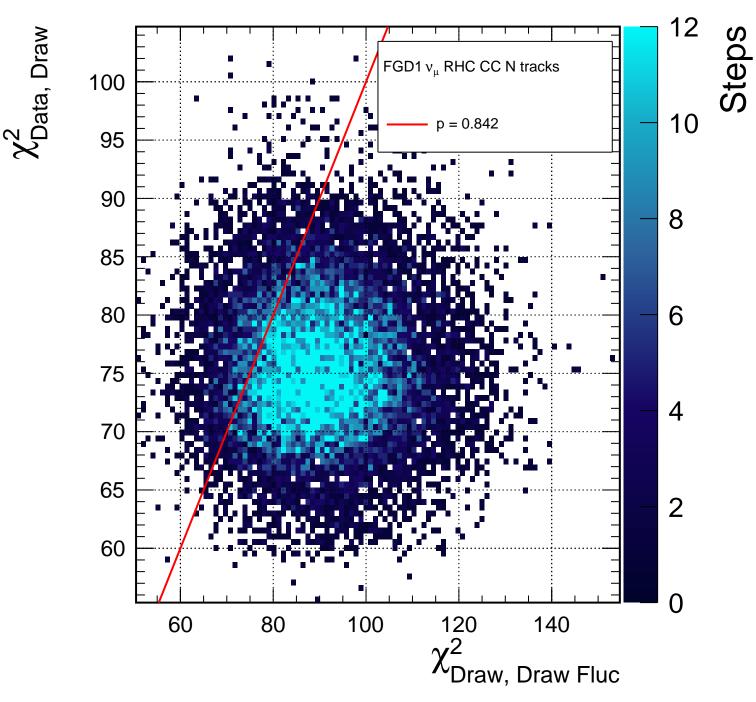
FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__sum_1363 Counts Data, 1363, p-value=0.26 MC, μ =1348.3±23.1 Gauss, μ =1347.4±24.1 N_{events}

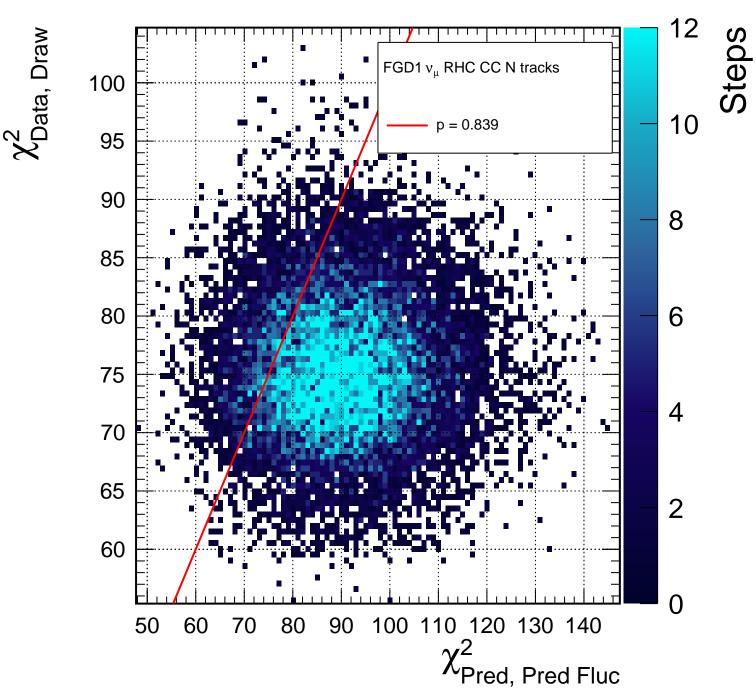
FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__data



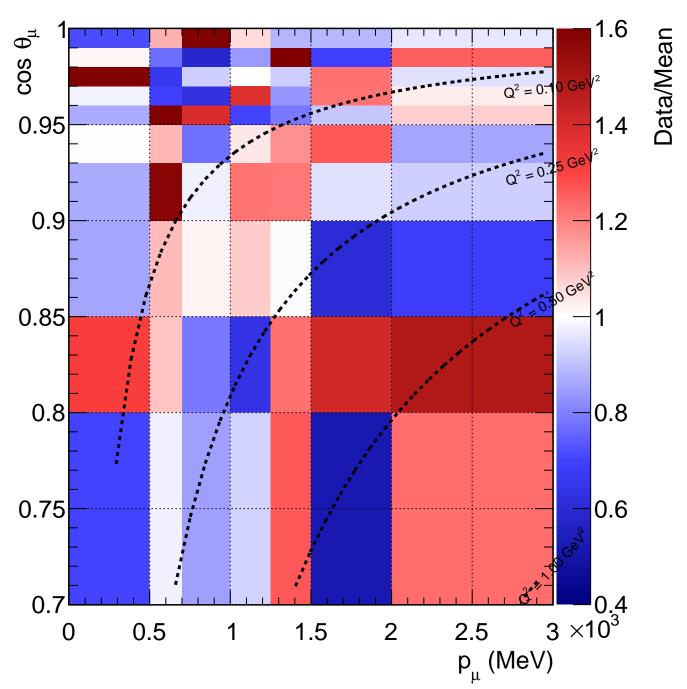
FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__data



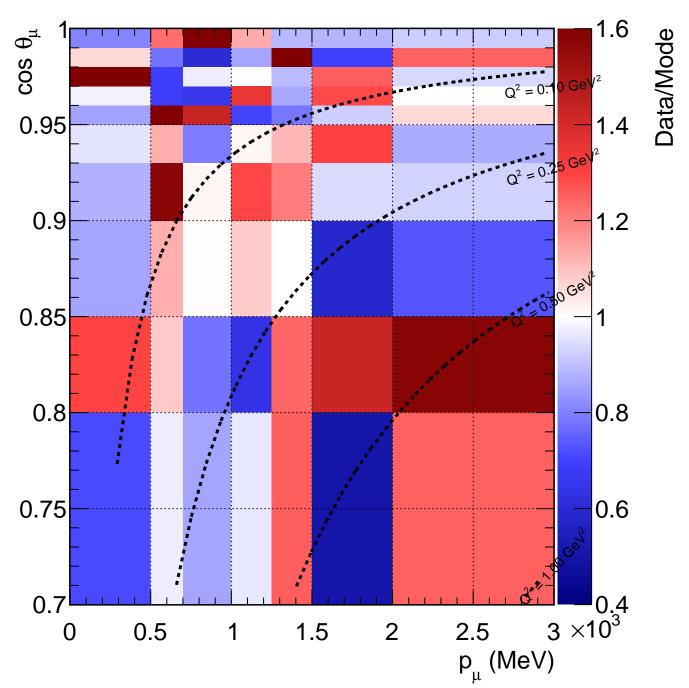




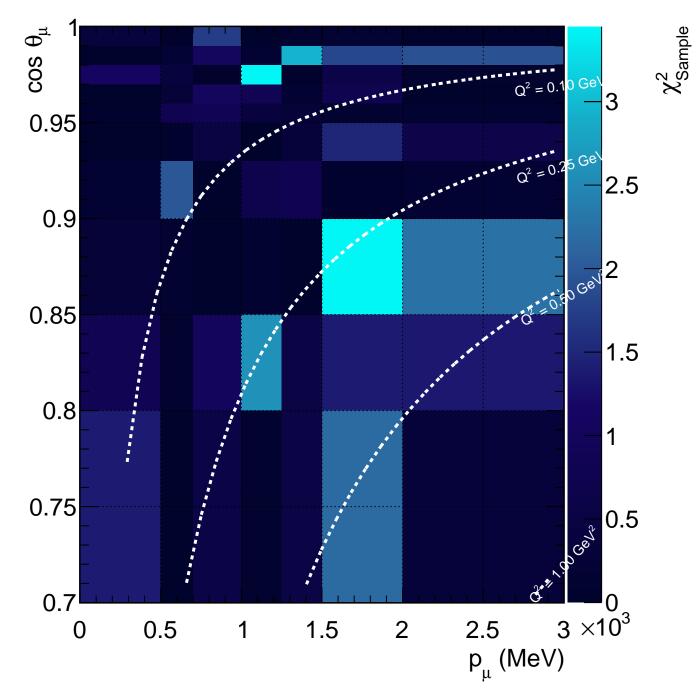
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_mean_ratio



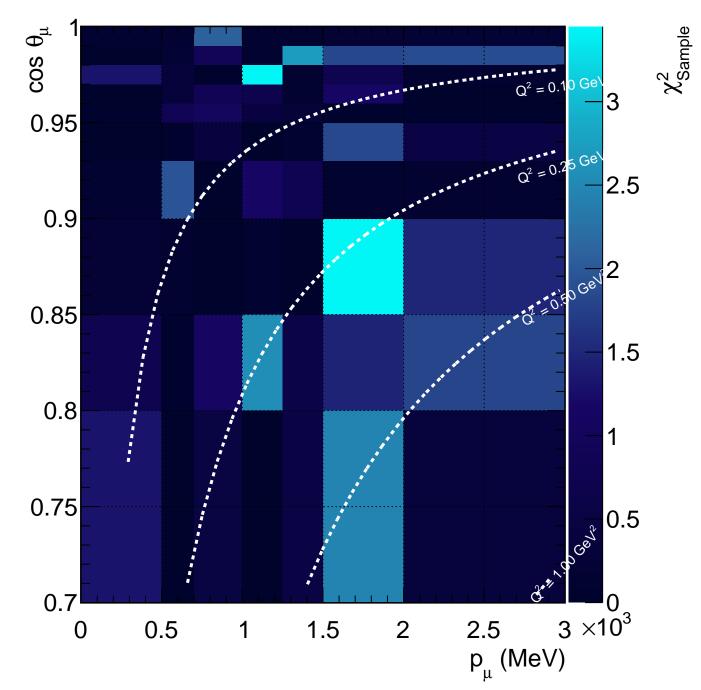
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_mode_ratio



 ${\bf FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_MeanInL}$



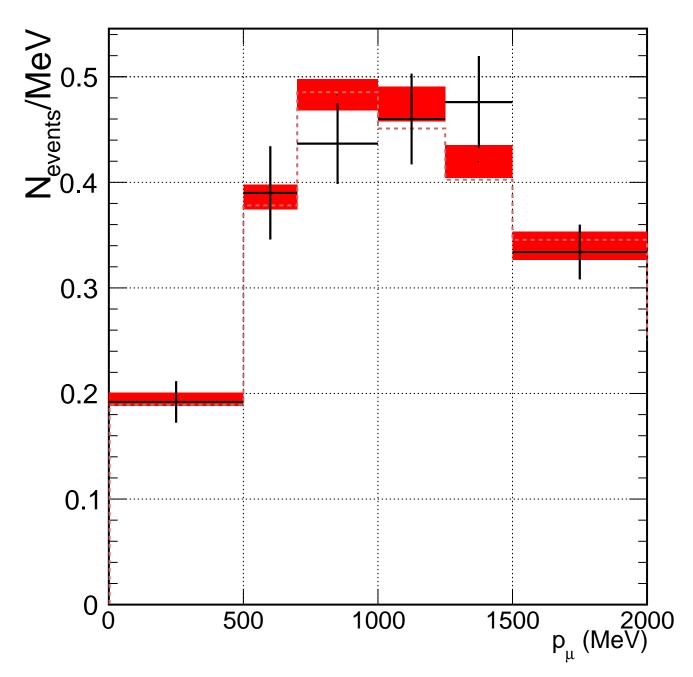
 $FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_ModeInL$



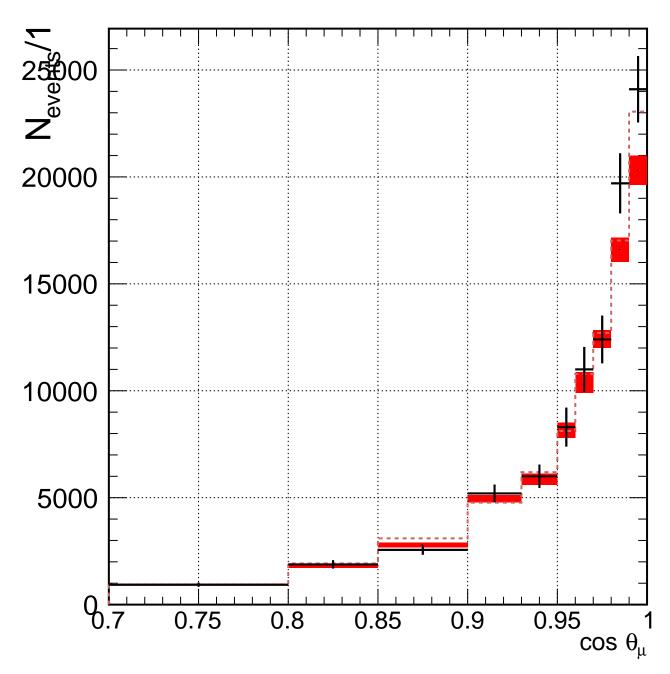
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_sum_1370 Counts Data, 1370, p-value=0.35 MC, μ =1359. \pm 26.9 Gauss, μ =1358.9±27.3

^levents

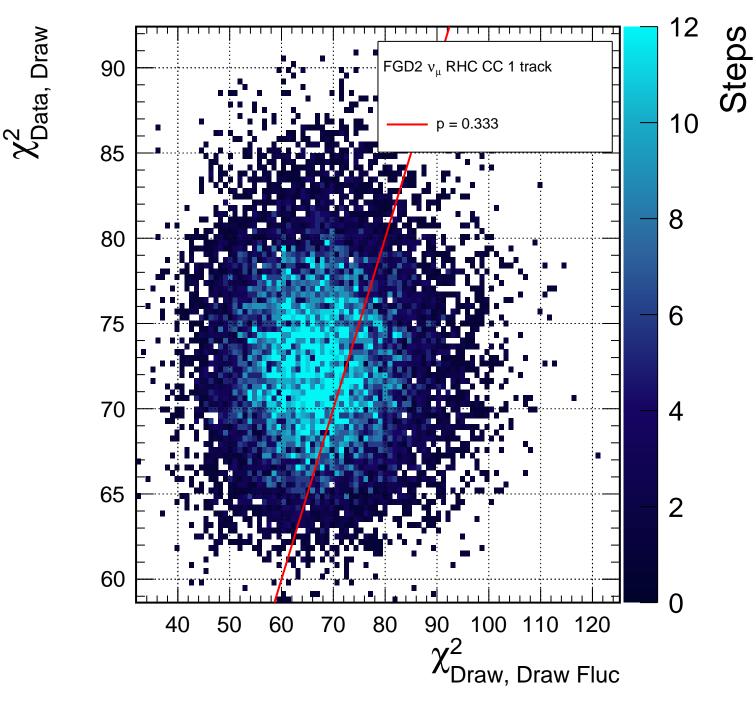
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_data



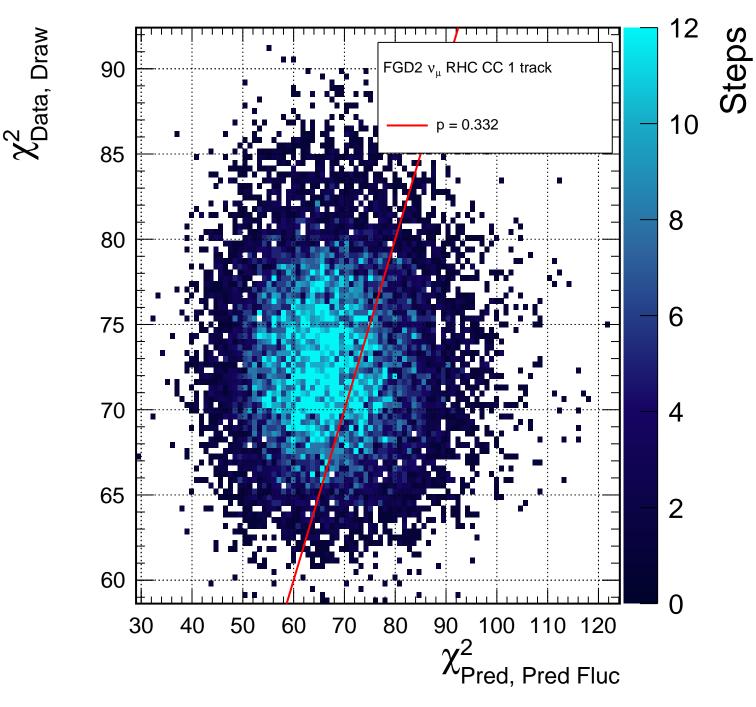
FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_data



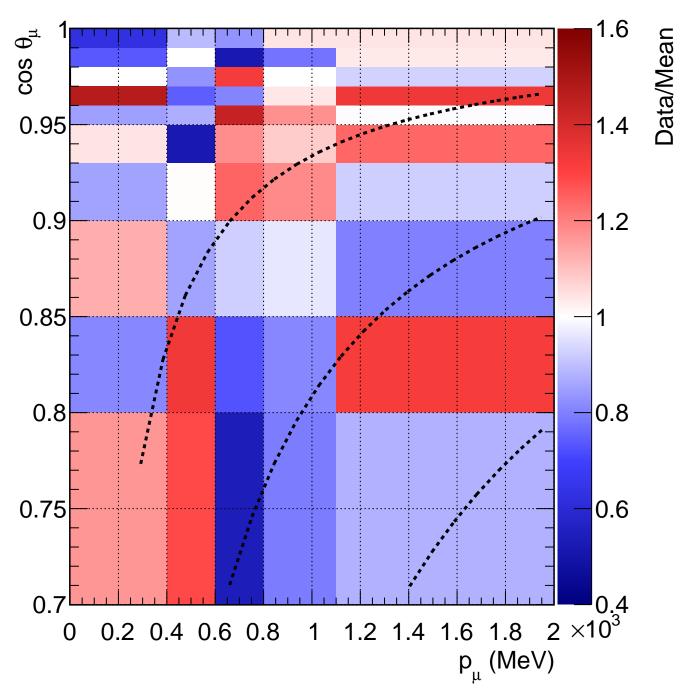
DataDrawFluc



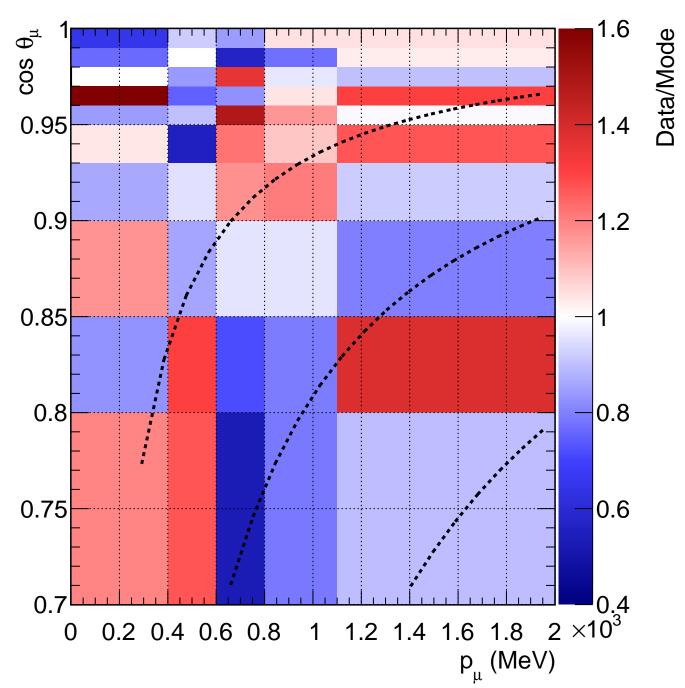
DataPredFluc



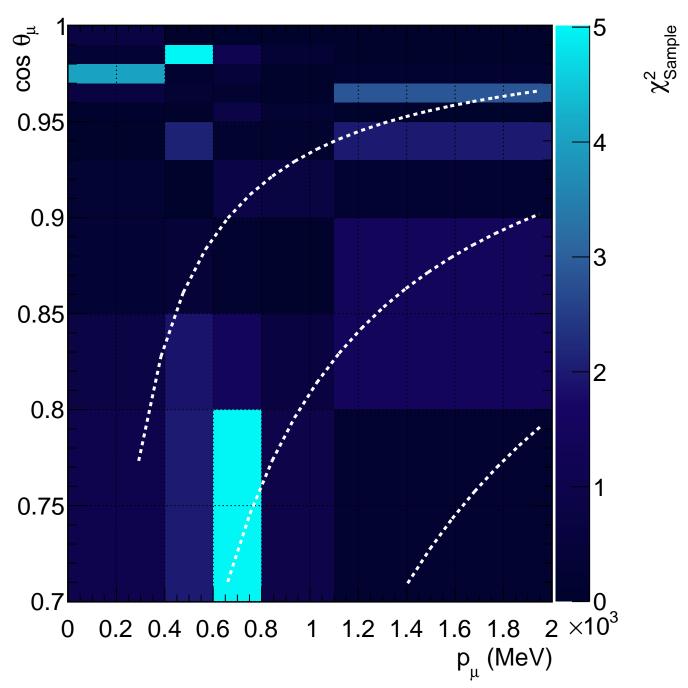
FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__mean_ratio



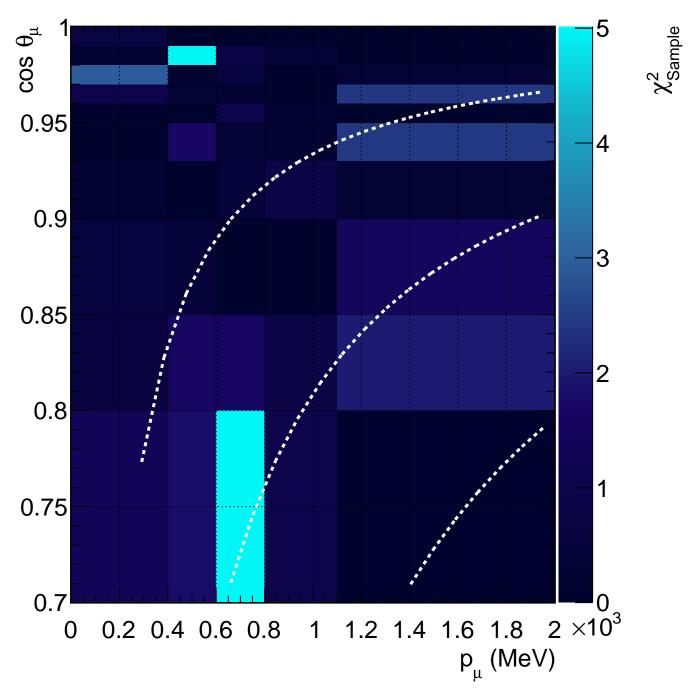
FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__mode_ratio

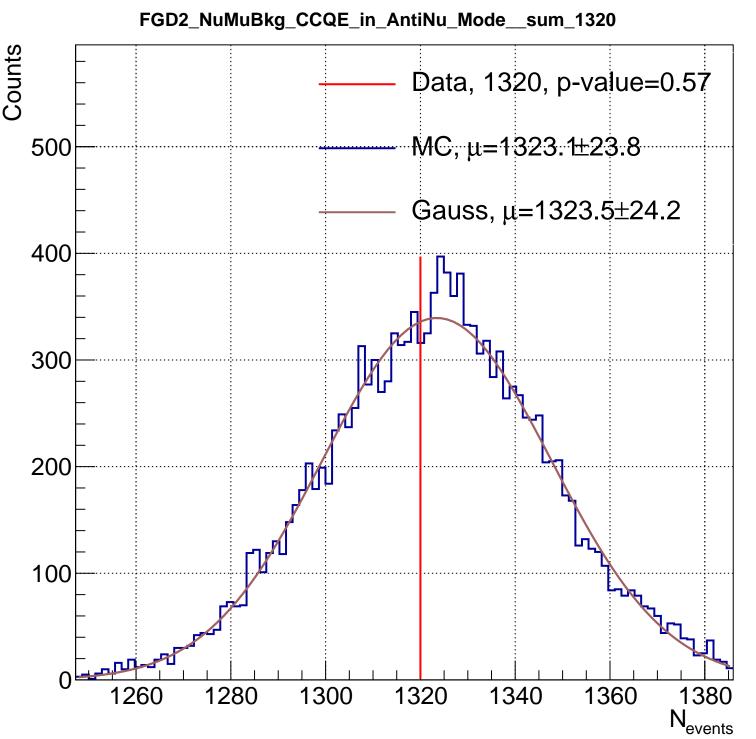


FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__MeanInL

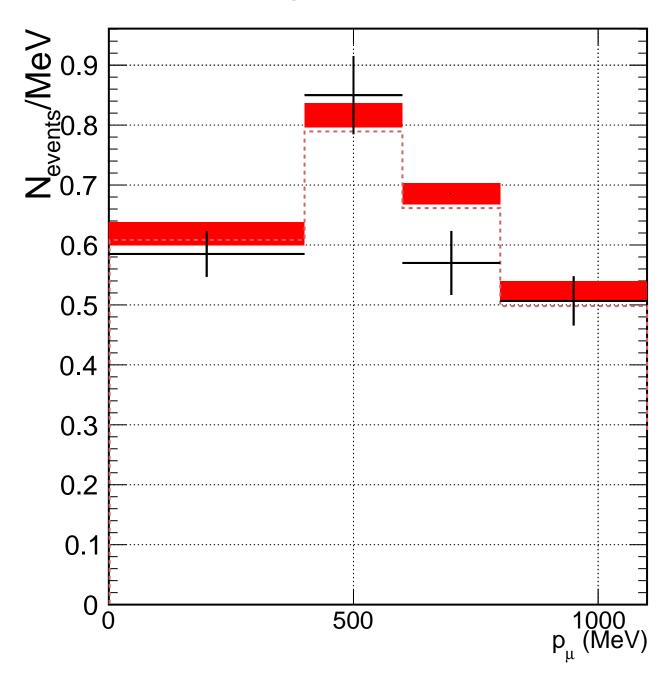


 $FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__ModelnL$

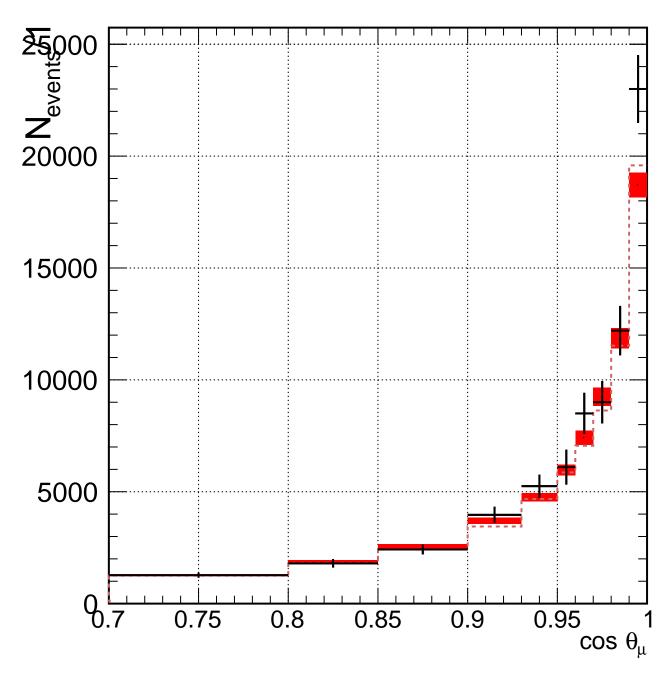




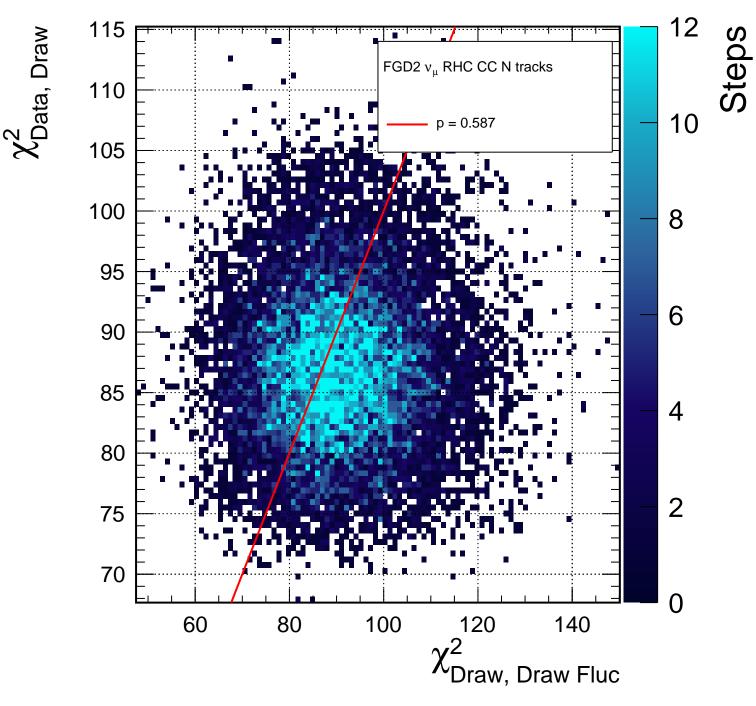
FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__data



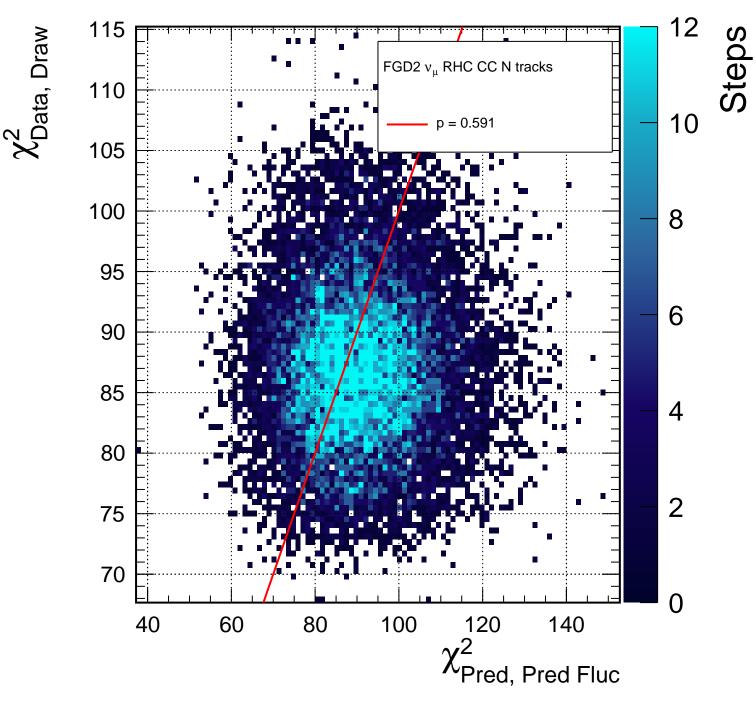
FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__data



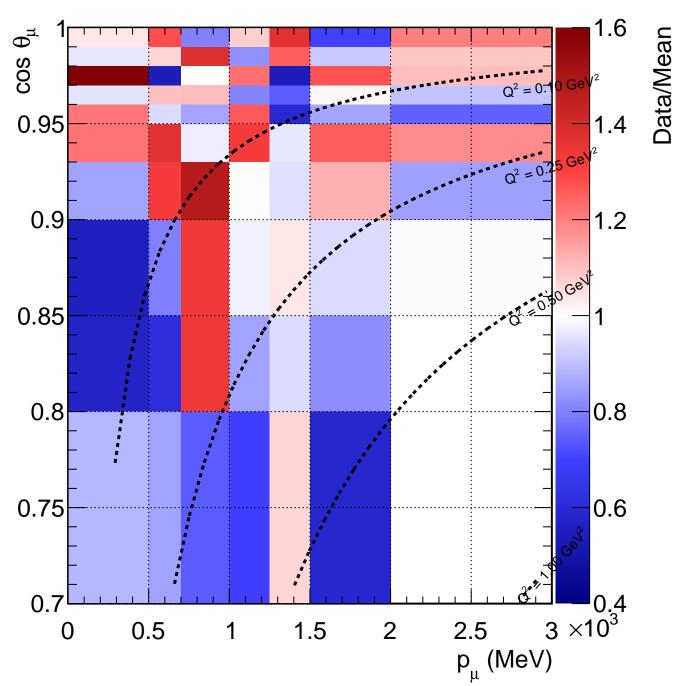
DataDrawFluc



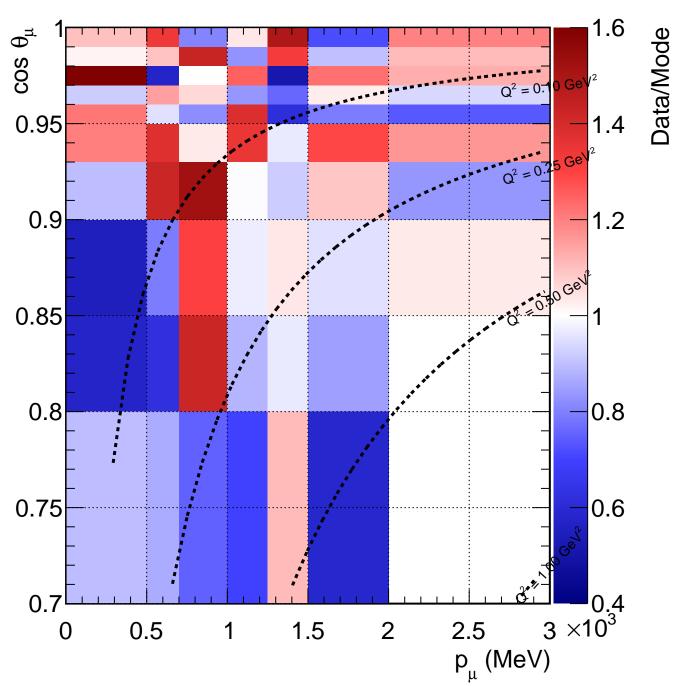
DataPredFluc



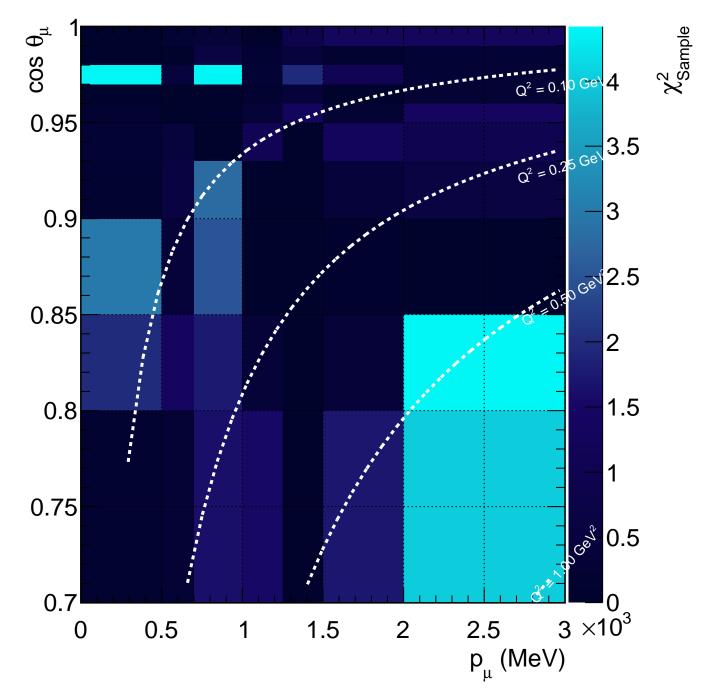
 ${\bf FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_mean_ratio}$



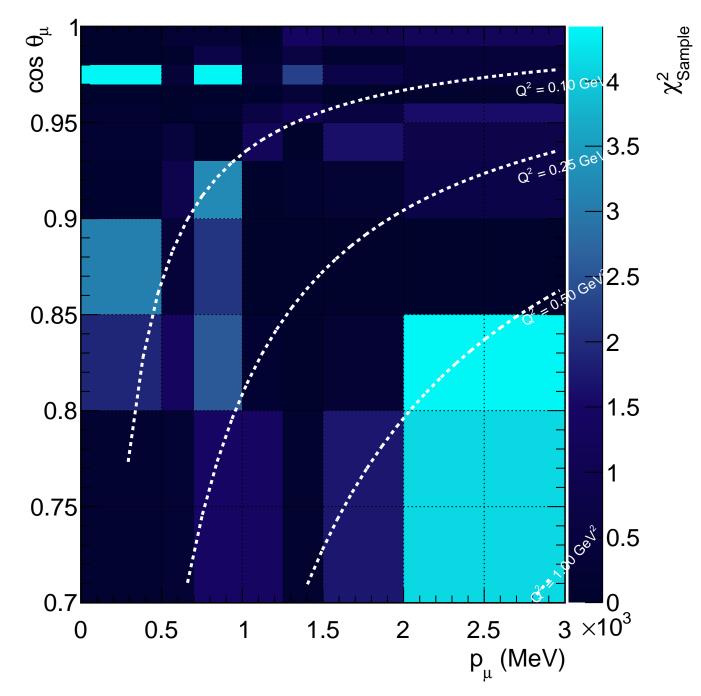
 $FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_mode_ratio$



 $FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_MeanInL$



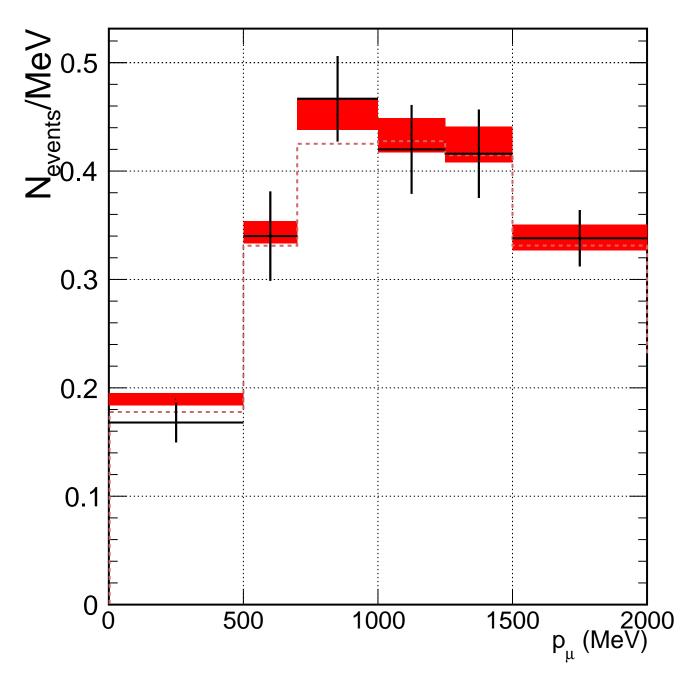
 $FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_ModeInL$



FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_sum_1253 Data, 1253, p-value=0.69 MC, μ =1265.9±24.2 Gauss, µ=1265.8±24.0

^levents

FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_data



FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_data

