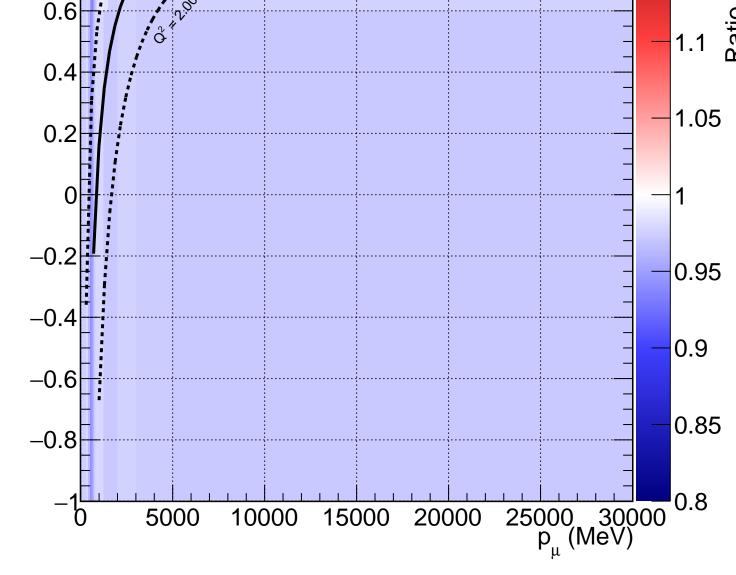
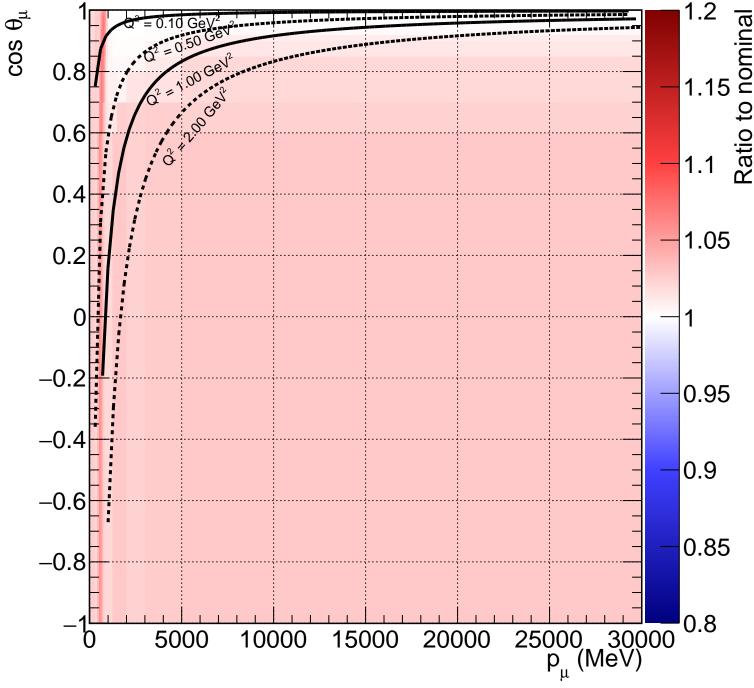
FGD1_numuCC_0pi_b_4_0.894644 1.1 Ratio to nominal 8.0 1.05 0.95

 $\cos \theta_{\mu}$

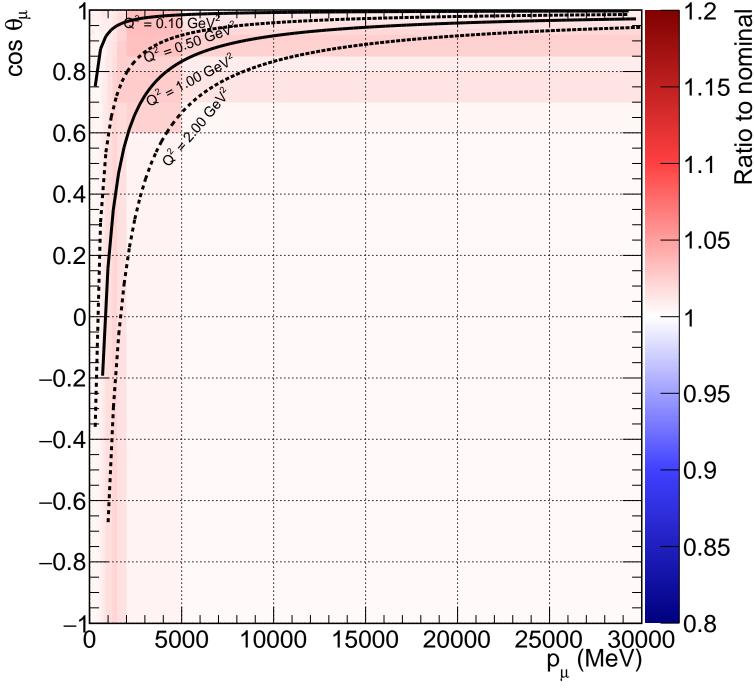


FGD1_numuCC_0pi_b_4_1.10536

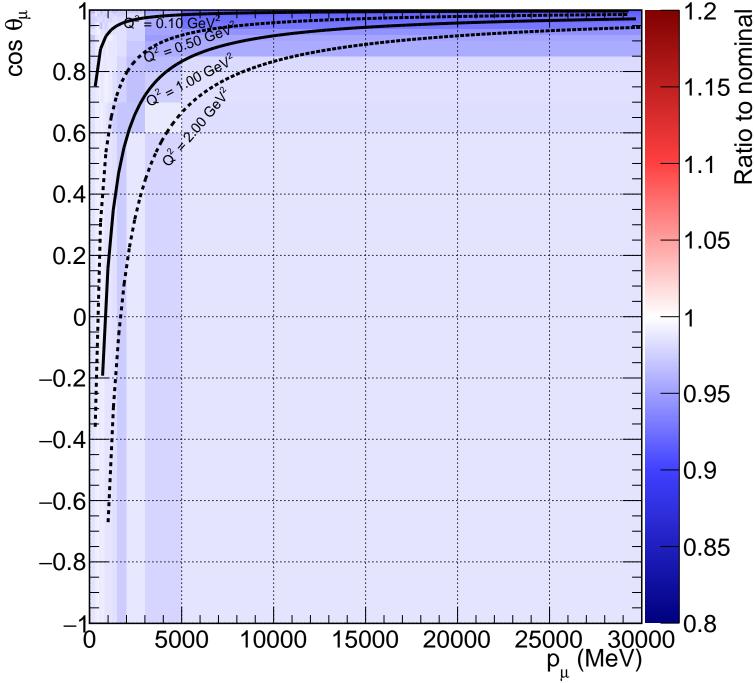


FGD1_numuCC_1pi_b_8_0.917666 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 0.95 -0.40.9 -0.60.85 -0.8 $25000 30000 \ p_{\mu} \, (MeV)$ 5000 15000 20000 10000

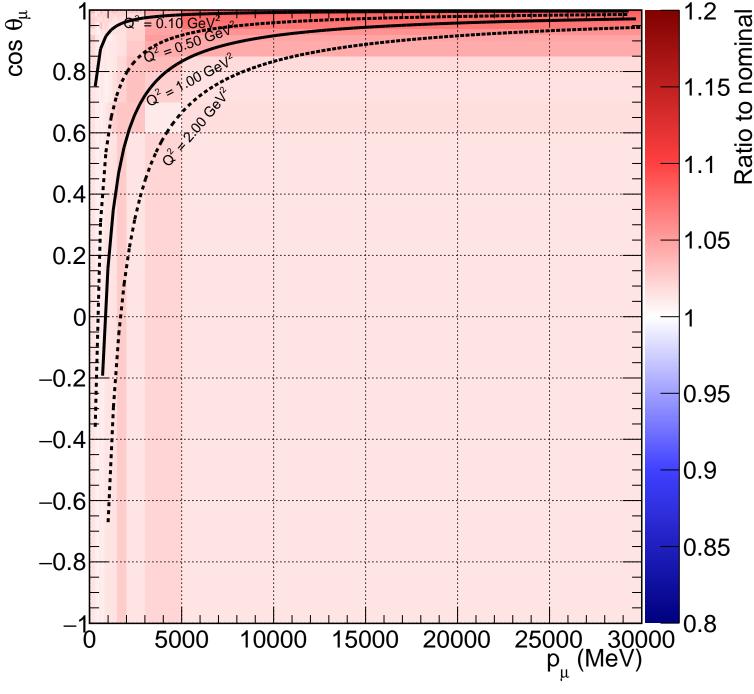
FGD1_numuCC_1pi_b_8_1.08233



FGD1_numuCC_other_b_10_0.885294



FGD1_numuCC_other_b_10_1.11471



FGD2_numuCC_0pi_b_4_0.894644 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 0.95 -0.40.9 -0.60.85 -0.8

15000

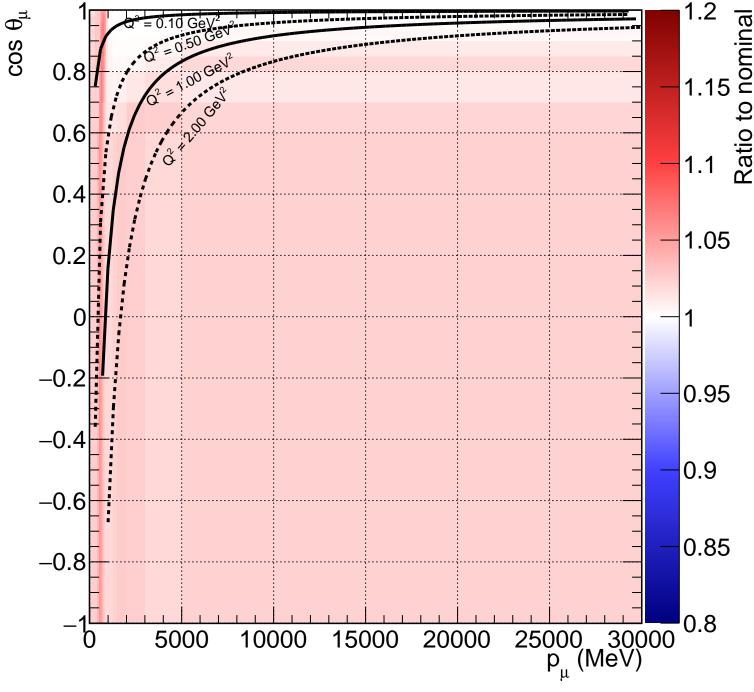
10000

20000

5000

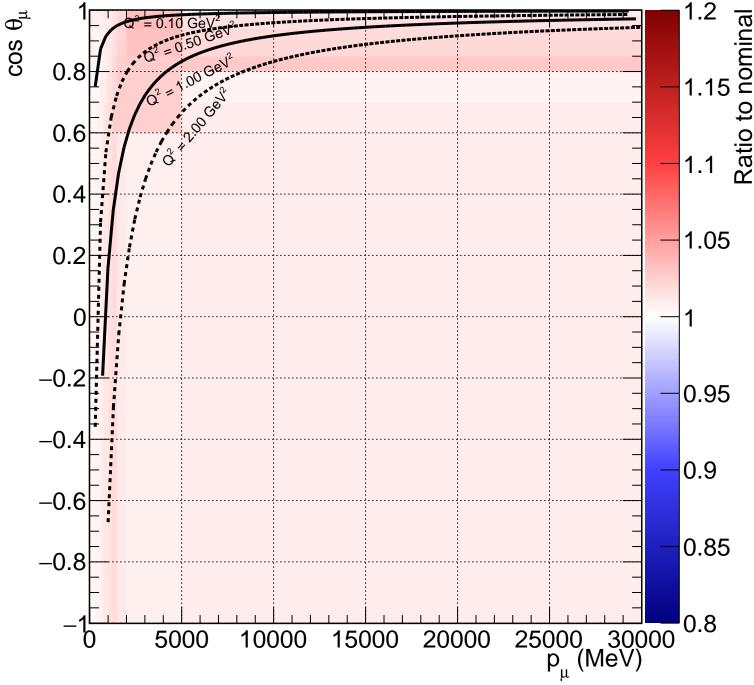
 $25000 30000 \ p_{\mu} \, (MeV)$

FGD2_numuCC_0pi_b_4_1.10536

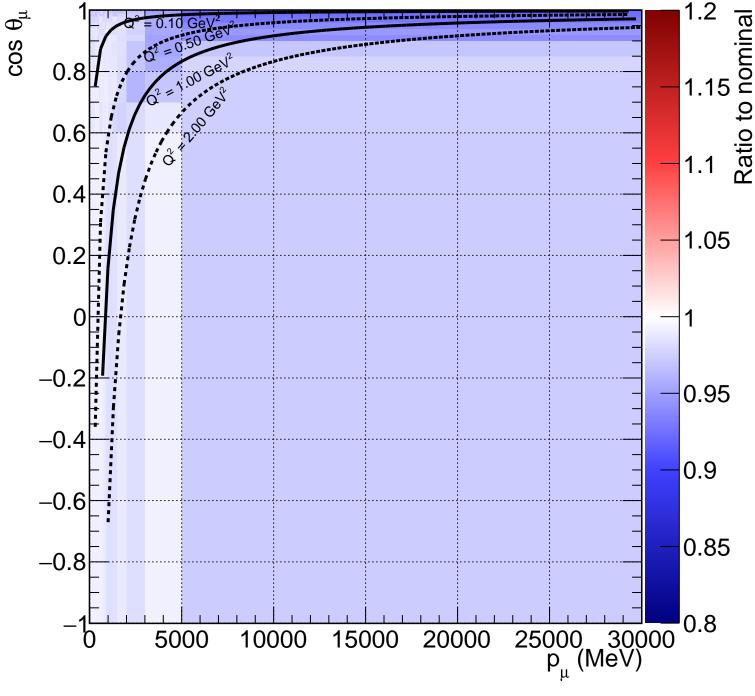


FGD2_numuCC_1pi_b_8_0.917666 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 0.95 -0.40.9 -0.60.85 -0.8 $25000 30000 \ p_{\mu} \, (MeV)$ 5000 15000 20000 10000

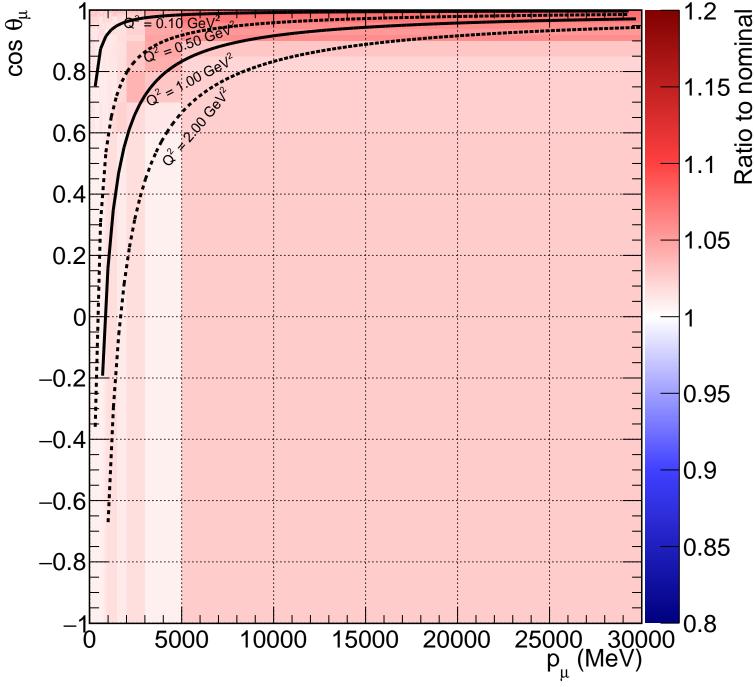
FGD2_numuCC_1pi_b_8_1.08233



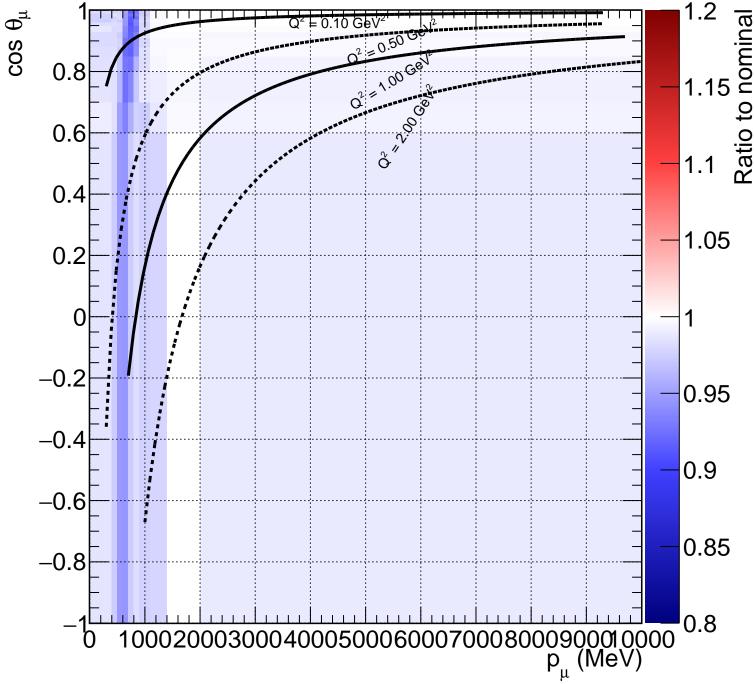
FGD2_numuCC_other_b_10_0.885294



FGD2_numuCC_other_b_10_1.11471

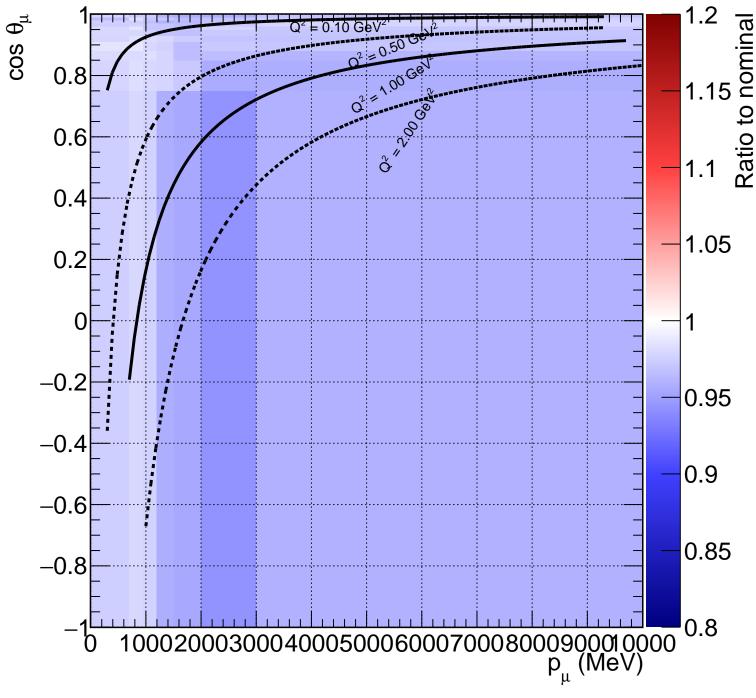


FGD1_anti-numuCC_QE_b_34_0.893129

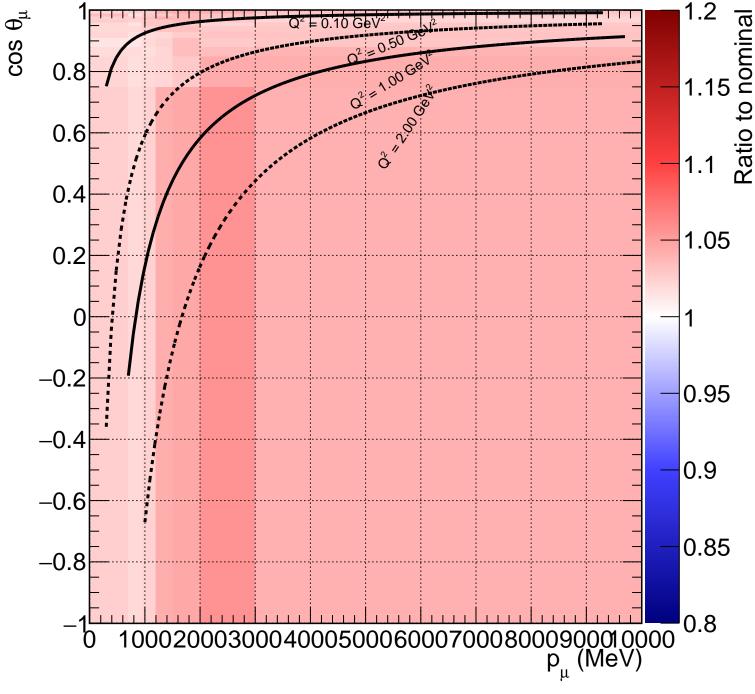


FGD1_anti-numuCC_QE_b_34_1.10687 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_µ (MeV)

FGD1_anti-numuCC_nQE_b_29_0.917347



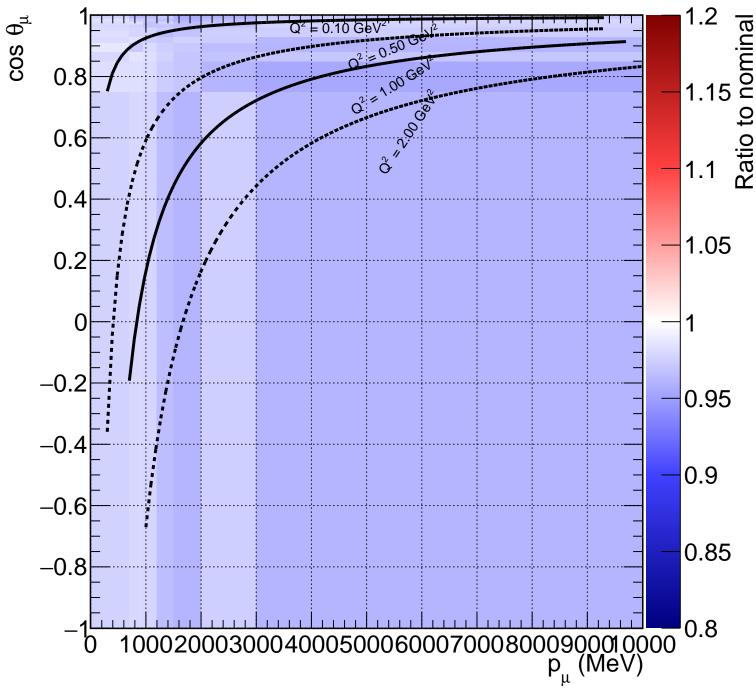
FGD1_anti-numuCC_nQE_b_29_1.08265



FGD2_anti-numuCC_1_track_b_34_0.893129 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_µ (MeV)

FGD2_anti-numuCC_1_track_b_34_1.10687 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_µ (MeV)

FGD2_anti-numuCC_N_tracks_b_29_0.917347

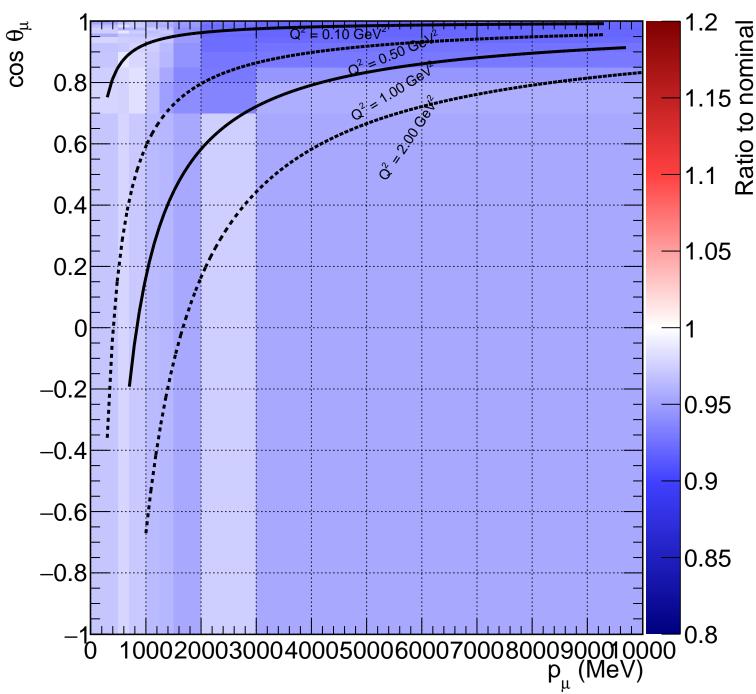


FGD2_anti-numuCC_N_tracks_b_29_1.08265 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_μ (MeV)

FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__b_29_0.917347 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_μ (MeV)

FGD1_NuMuBkg_CCQE_in_AntiNu_Mode__b_29_1.08265 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_μ (MeV)

FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_b_29_0.917347

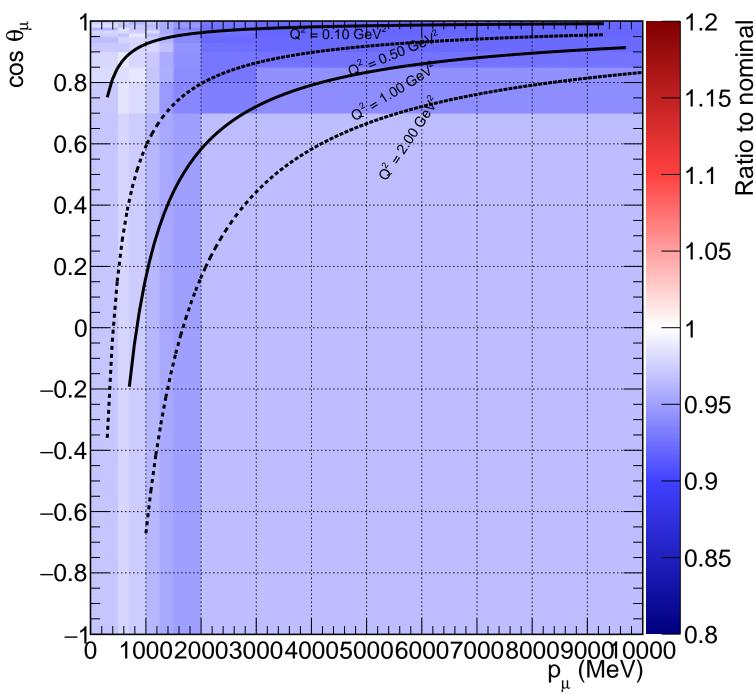


FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode_b_29_1.08265 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_μ (MeV)

FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__b_29_0.917347 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_μ (MeV)

FGD2_NuMuBkg_CCQE_in_AntiNu_Mode__b_29_1.08265 1.1 Ratio to nominal $\cos \theta_{\mu}$ 8.0 0.6 0.4 1.05 0.2 -0.20.95 -0.40.9 -0.60.85 -0.810002000300040005000600070008000900010000 p_μ (MeV)

FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_b_29_0.917347



FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode_b_29_1.08265

