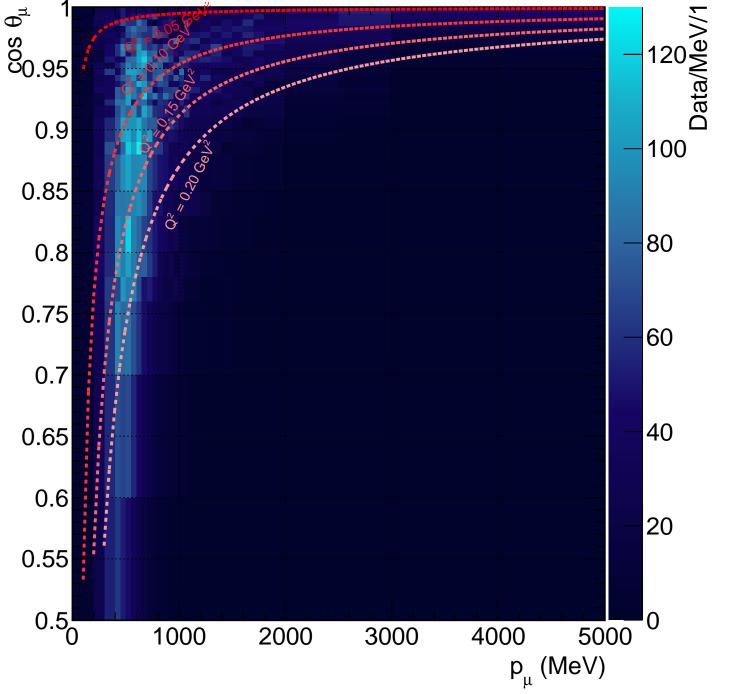
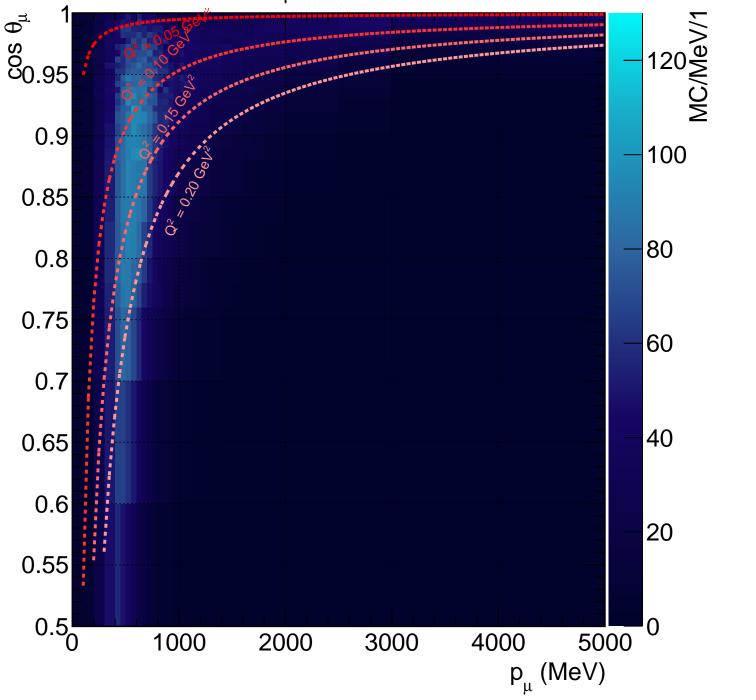
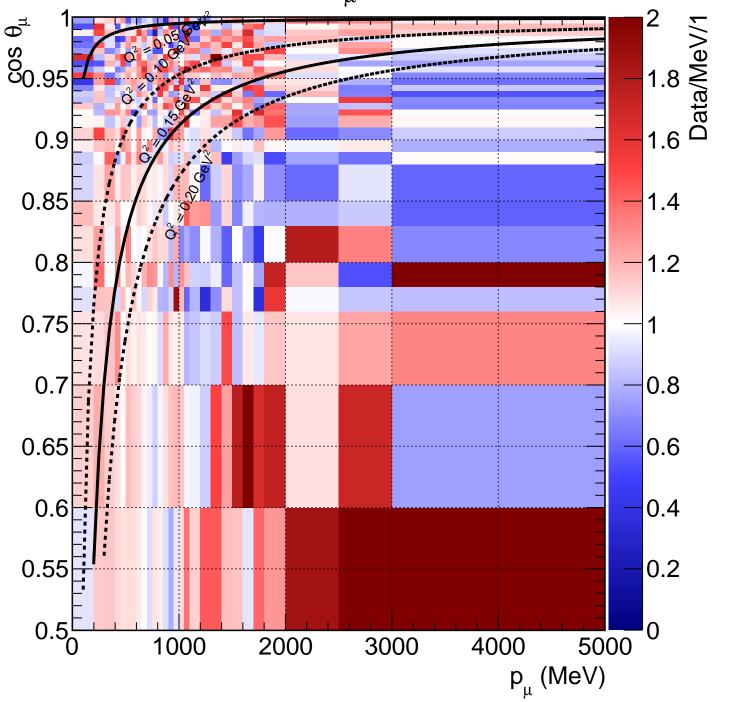
FGD1 v_{μ} CC 0π data: 31866.97 Data/MeV/1



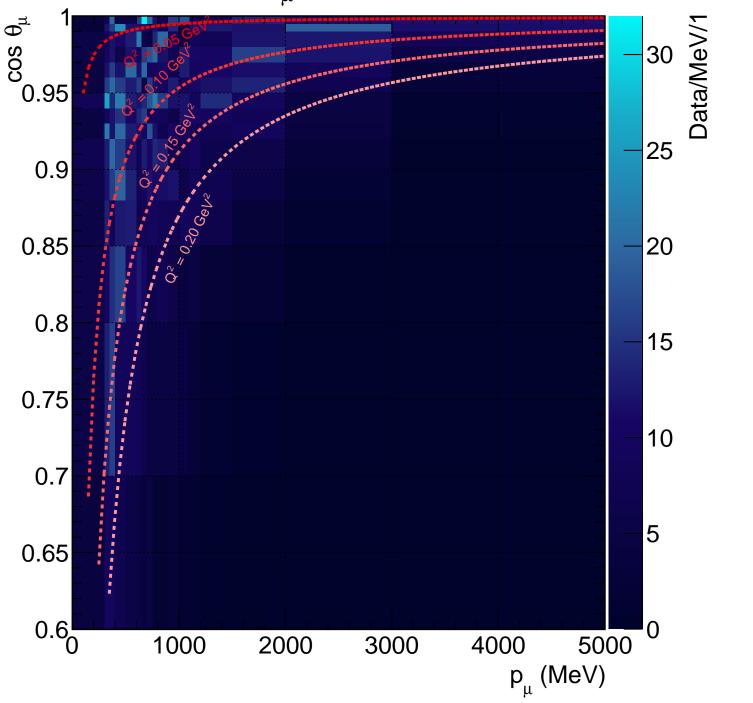
FGD1 ν_{μ} CC 0π MC: 29634.2



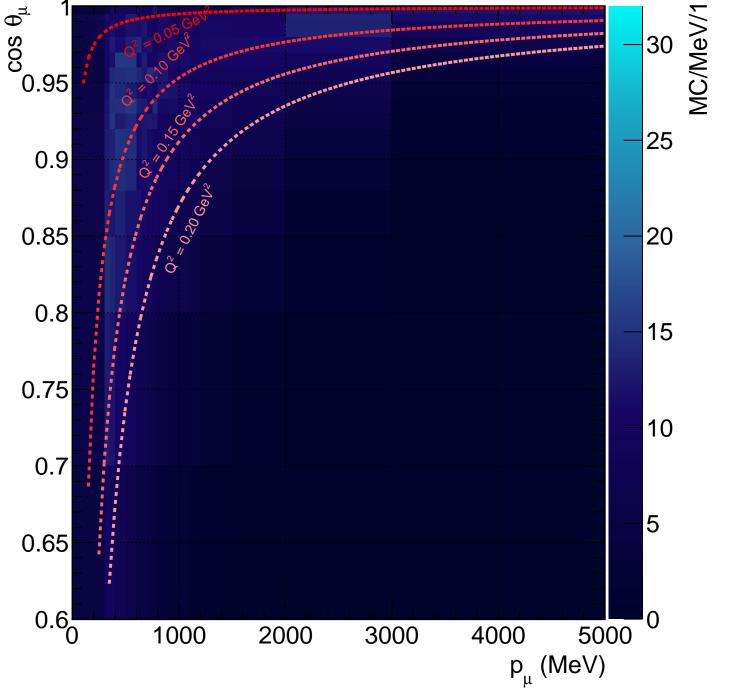
FGD1 ν_{μ} CC 0π ratio



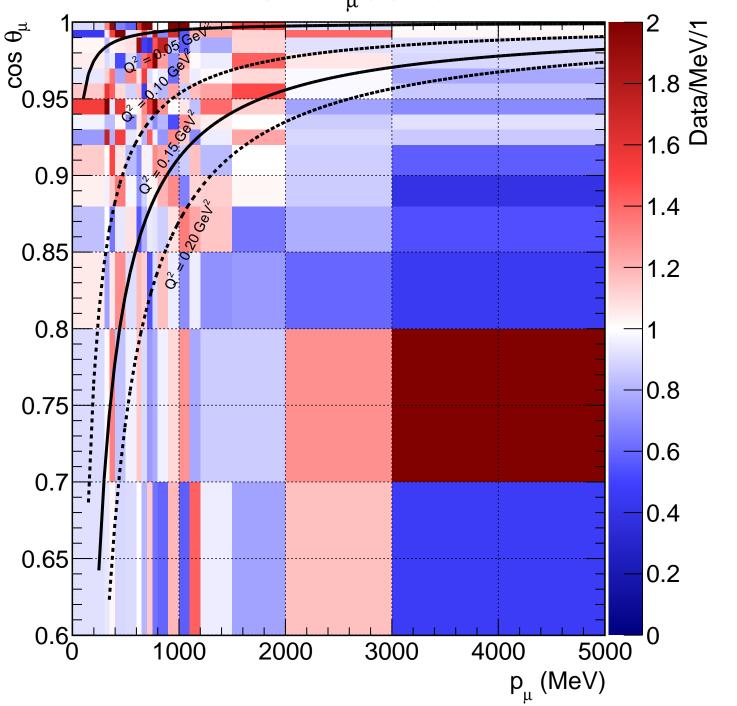
FGD1 ν_{μ} CC 1 π data: 2512.52



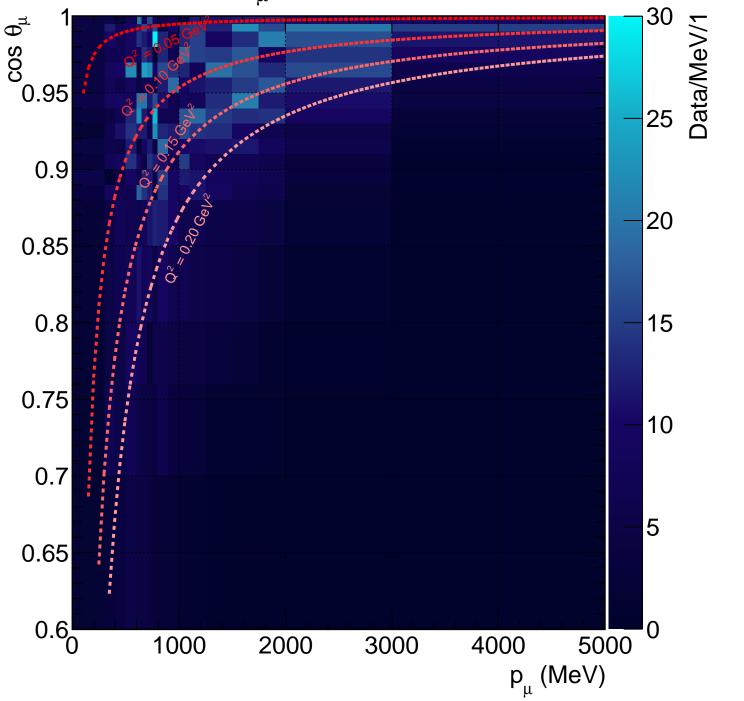
FGD1 ν_{μ} **CC** 1π **MC**: 2335.19



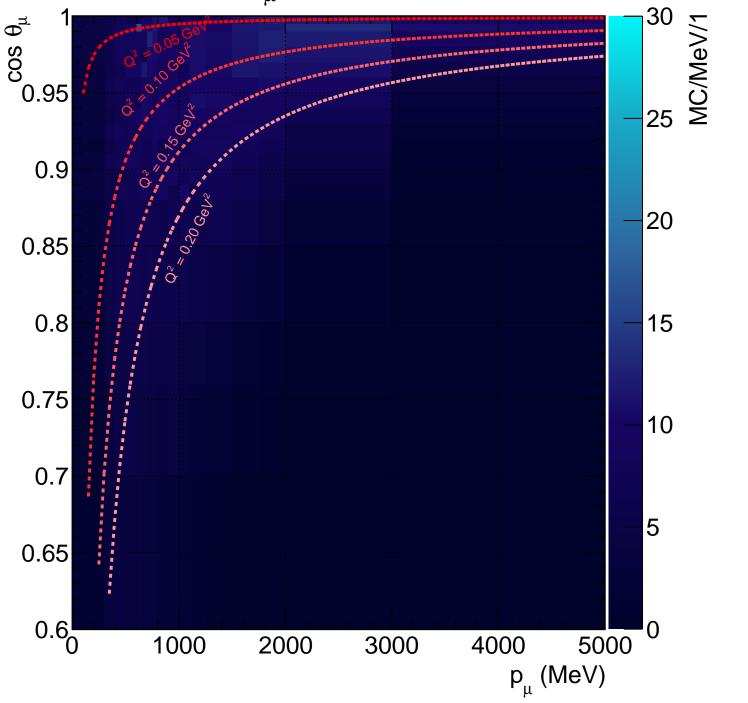
FGD1 ν_{μ} CC 1π ratio



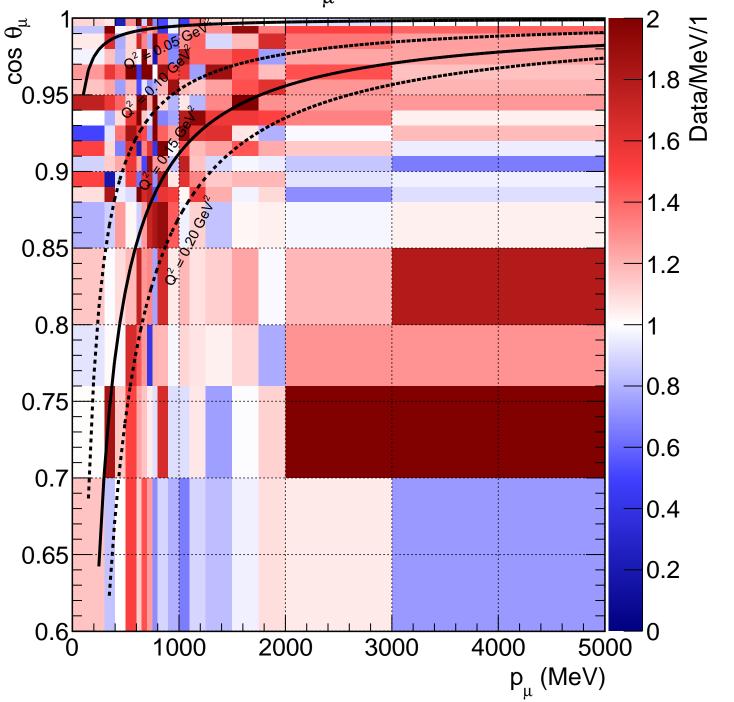
FGD1 ν_{μ} CC other data: 2684.13



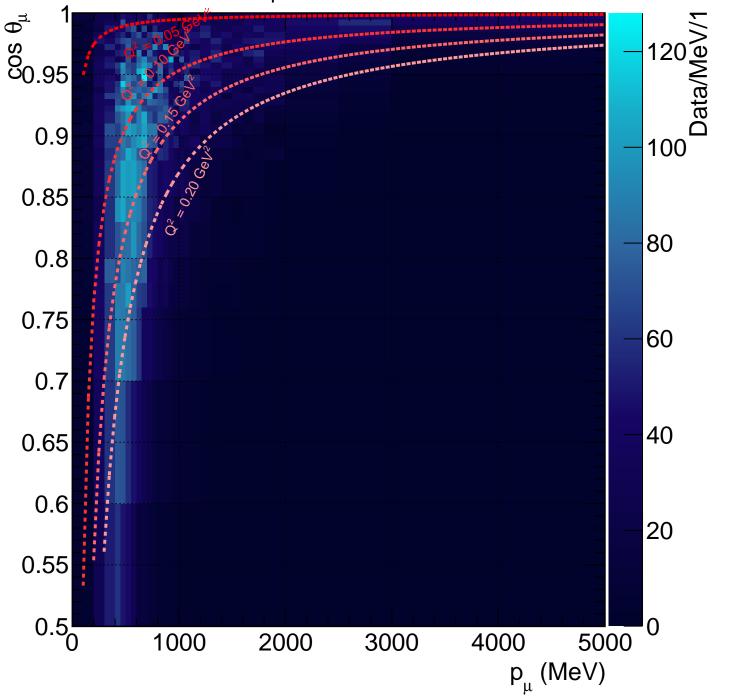
FGD1 ν_{μ} CC other MC: 2132.02



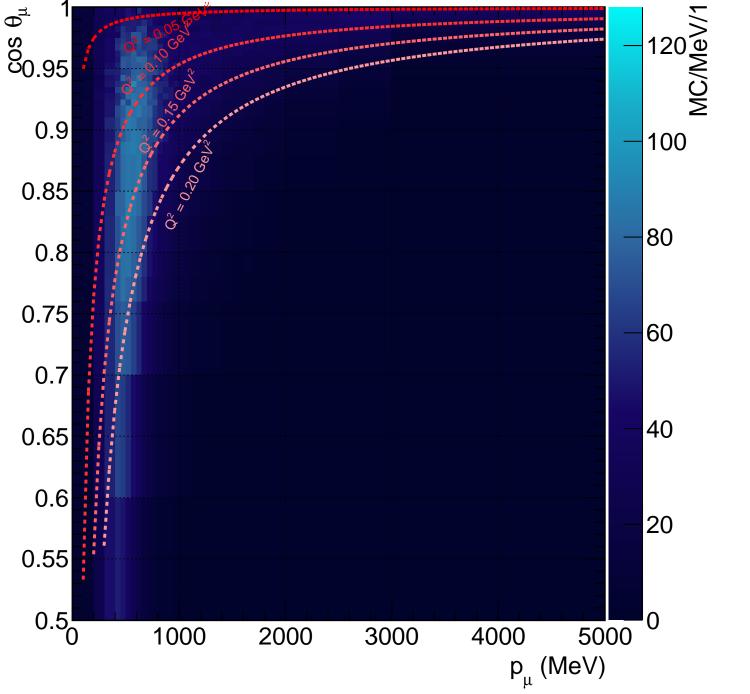
FGD1 ν_{μ} CC other ratio



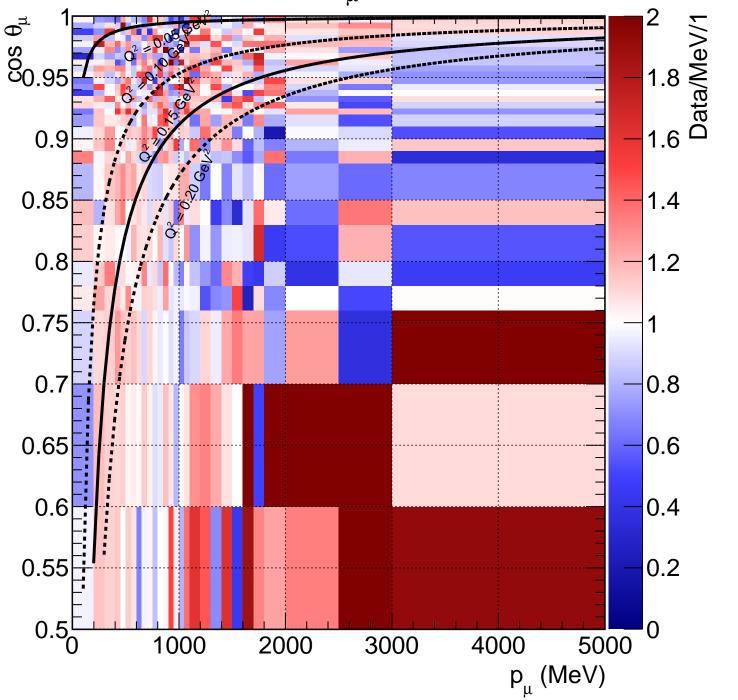
FGD2 $ν_{\mu}$ CC 0π data: 30604.60



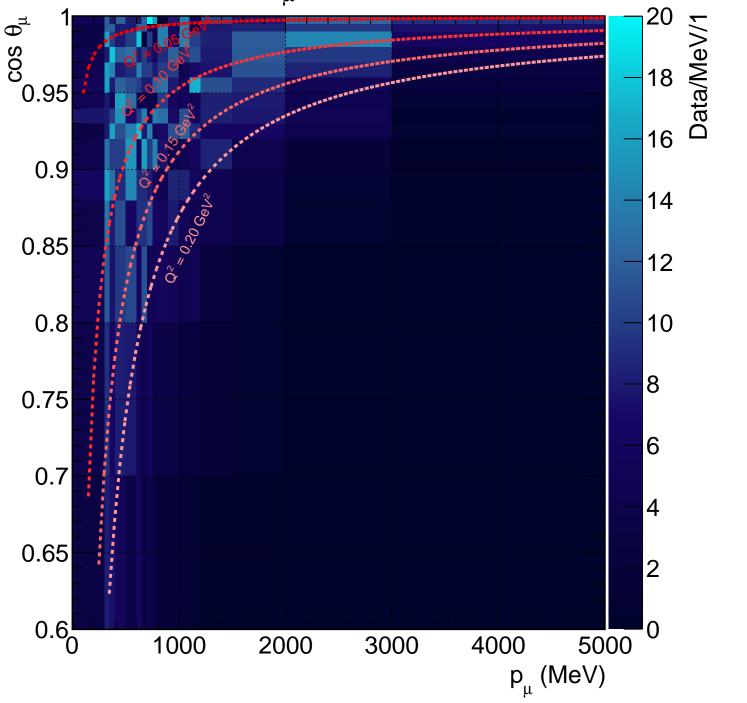
FGD2 $ν_{\mu}$ CC 0π MC: 28644.5



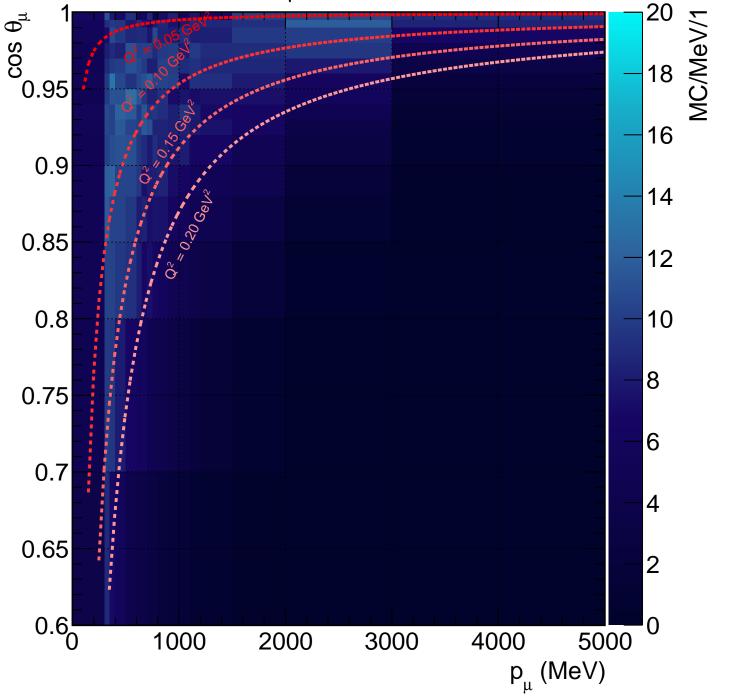
FGD2 ν_{μ} CC 0π ratio



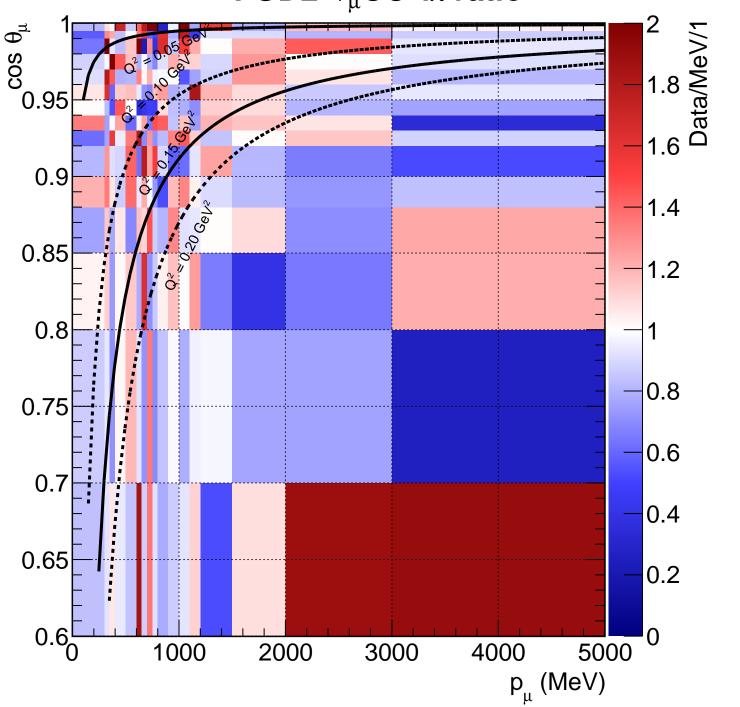
FGD2 $ν_{\mu}$ CC 1π data: 1981.65



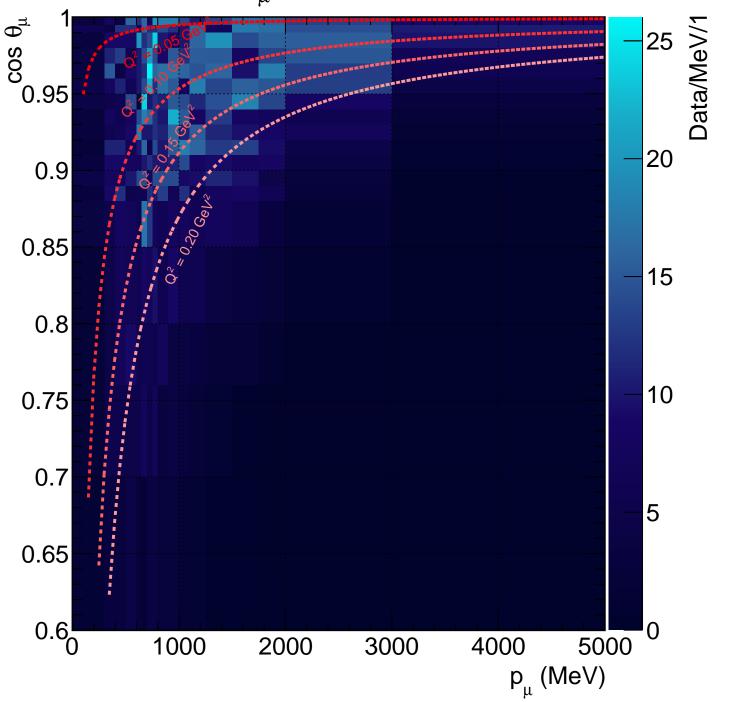
FGD2 ν_{μ} CC 1π MC: 1898.87



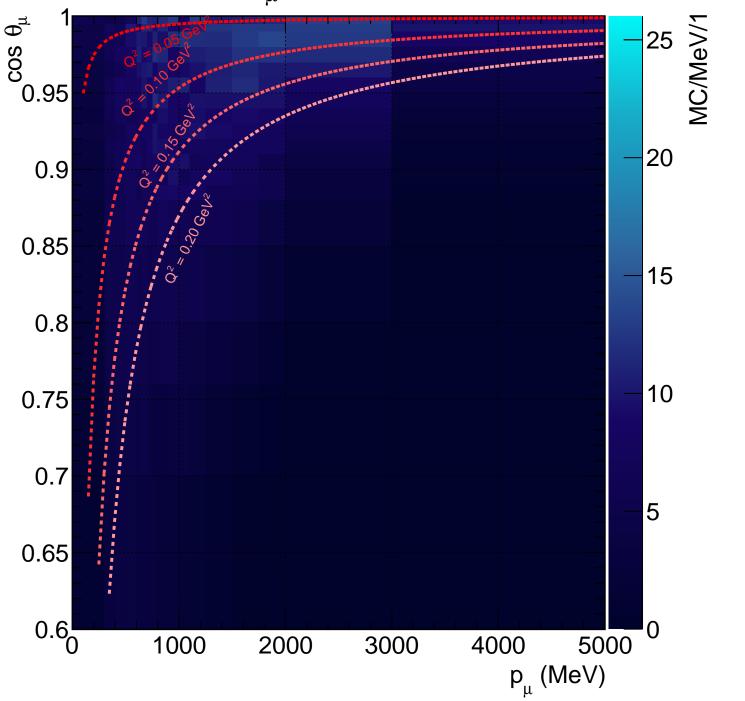
FGD2 ν_{μ} CC 1π ratio



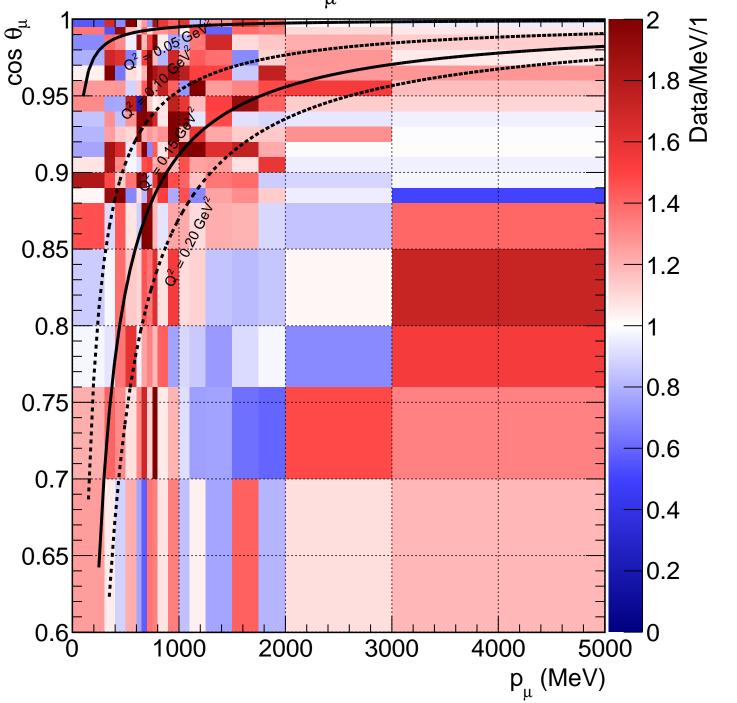
FGD2 ν_{μ} CC other data: 2772.90



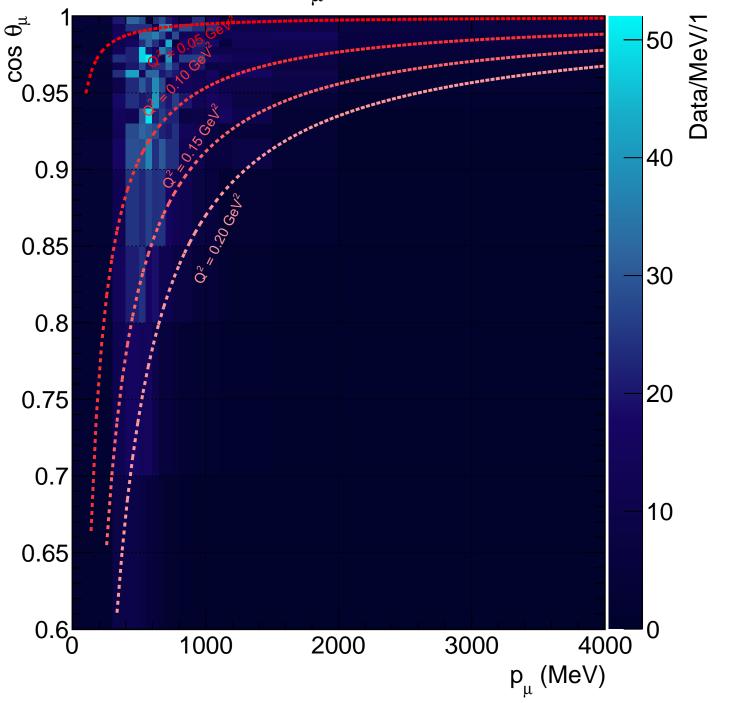
FGD2 ν_{μ} CC other MC: 2114.13



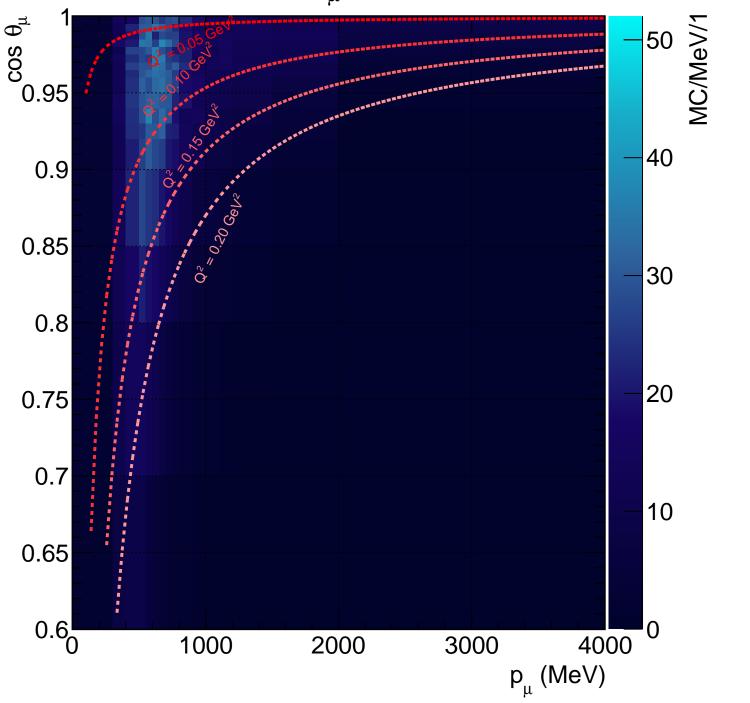
FGD2 ν_{μ} CC other ratio



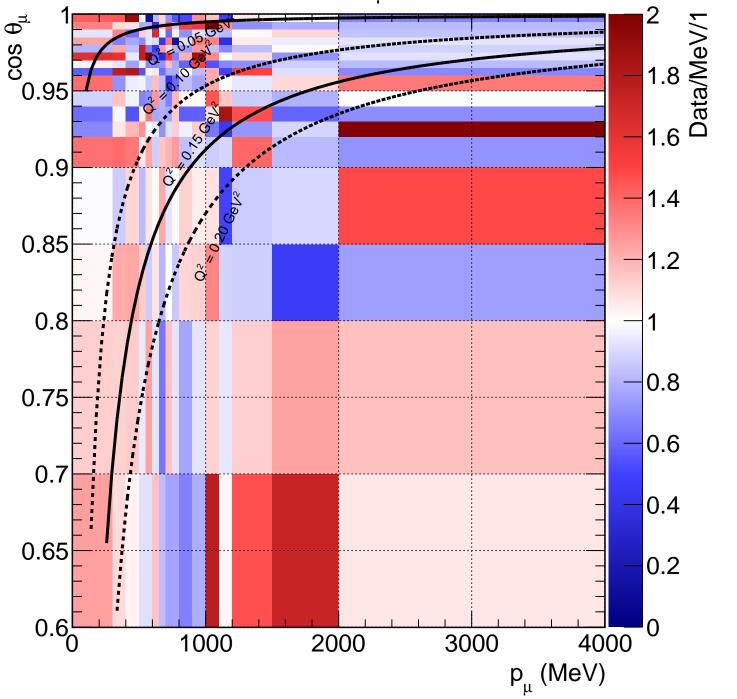
FGD1 anti- ν_{μ} CC 0π data: 4130.99



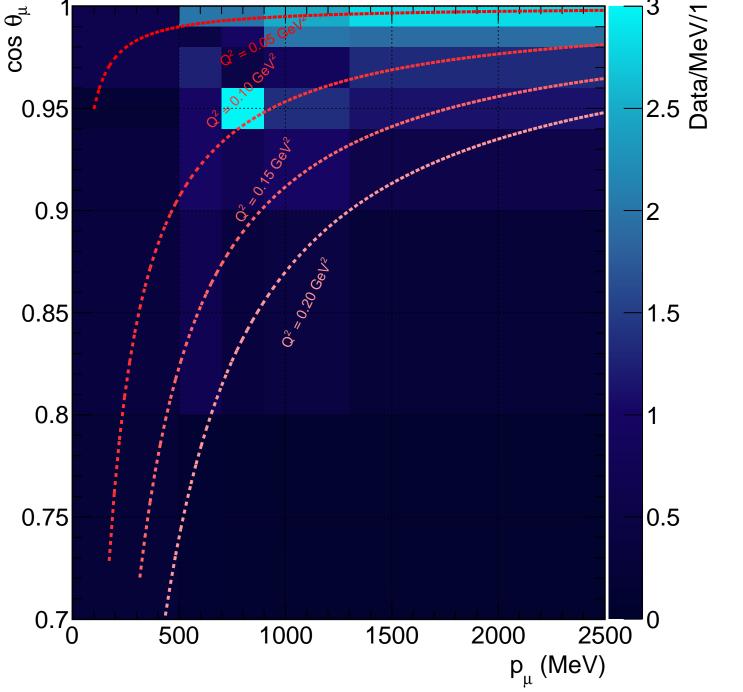
FGD1 anti- v_{μ} CC 0π MC: 4325.6



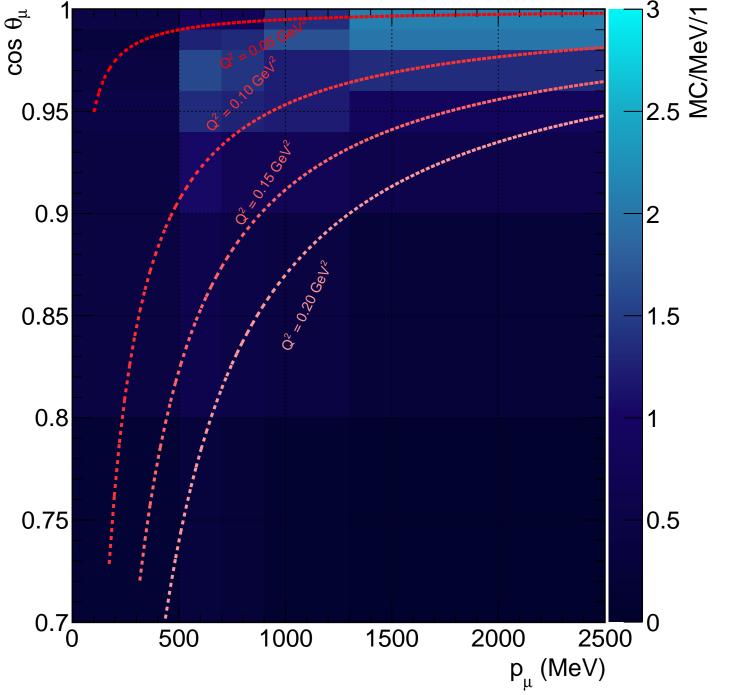
FGD1 anti- ν_{μ} CC 0π ratio



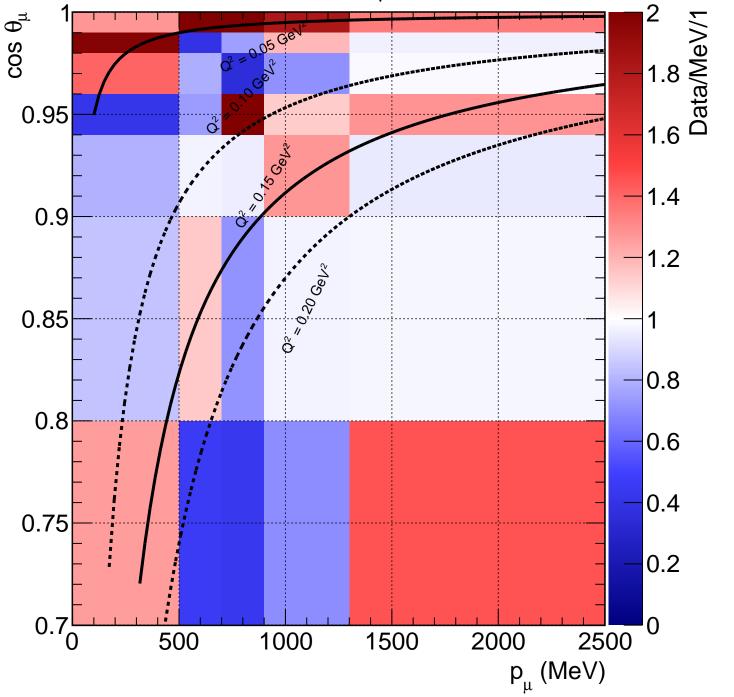
FGD1 anti- v_{μ} CC 1 π data: 33.97



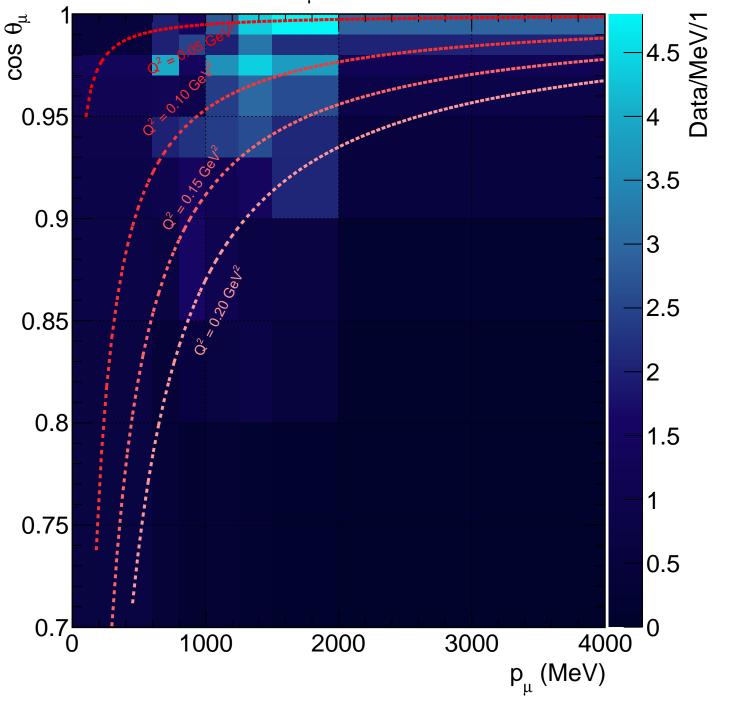
FGD1 anti- ν_{μ} CC 1 π MC: 30.6015



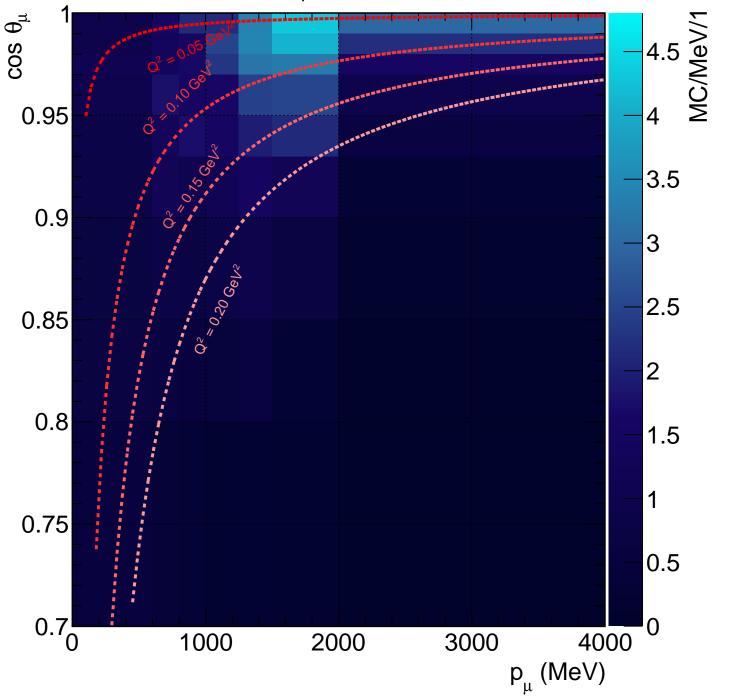
FGD1 anti- ν_{μ} CC 1 π ratio



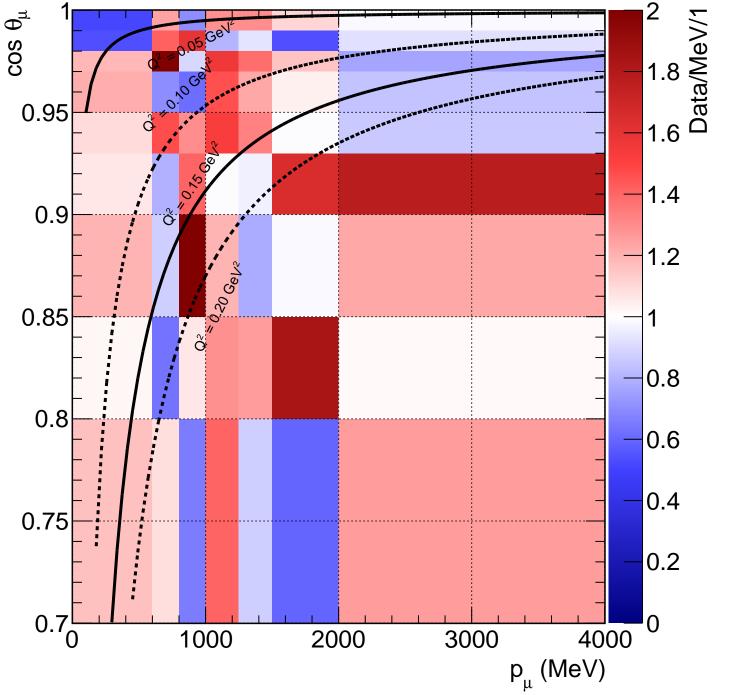
FGD1 anti- v_{μ} CC other data: 98.75



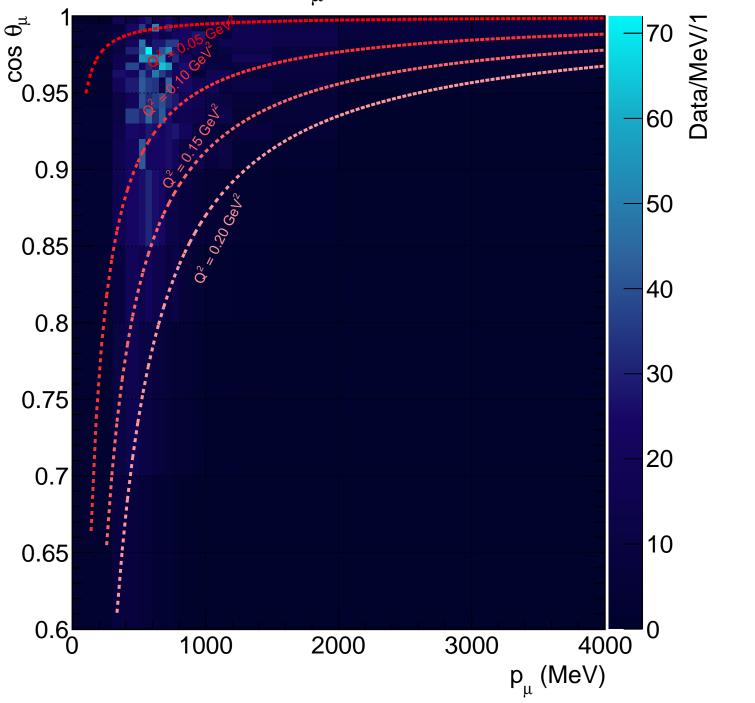
FGD1 anti- v_{μ} CC other MC: 88.3987



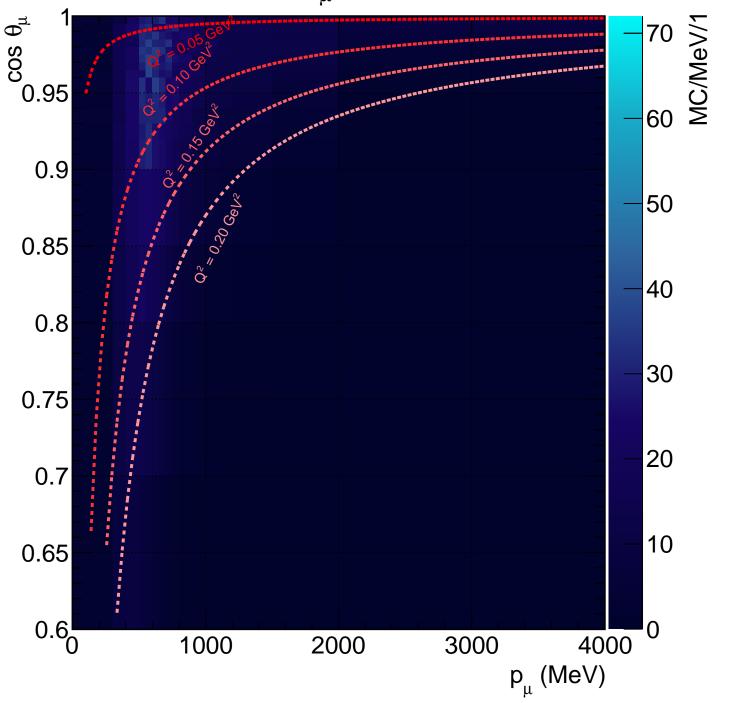
FGD1 anti- v_{μ} CC other ratio



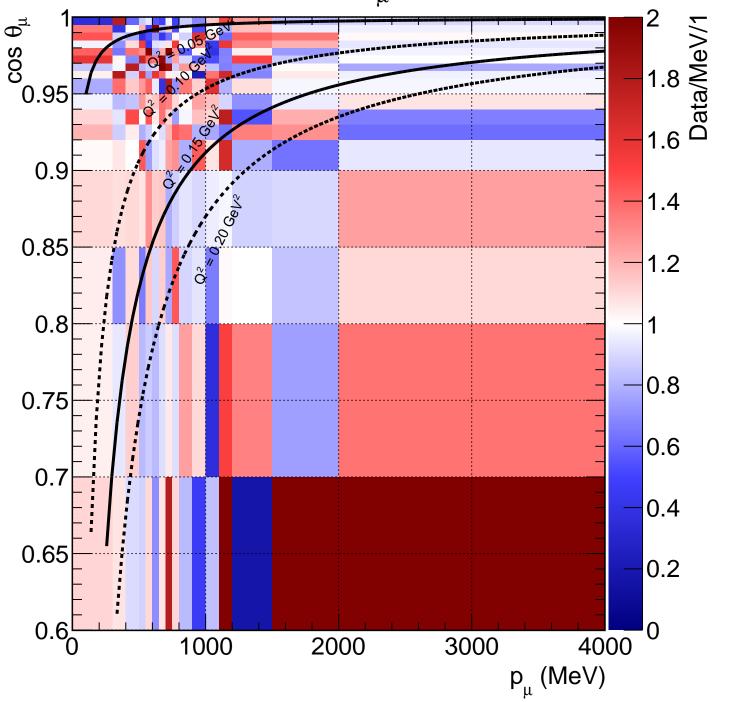
FGD2 anti- ν_{μ} CC 0π data: 4504.46



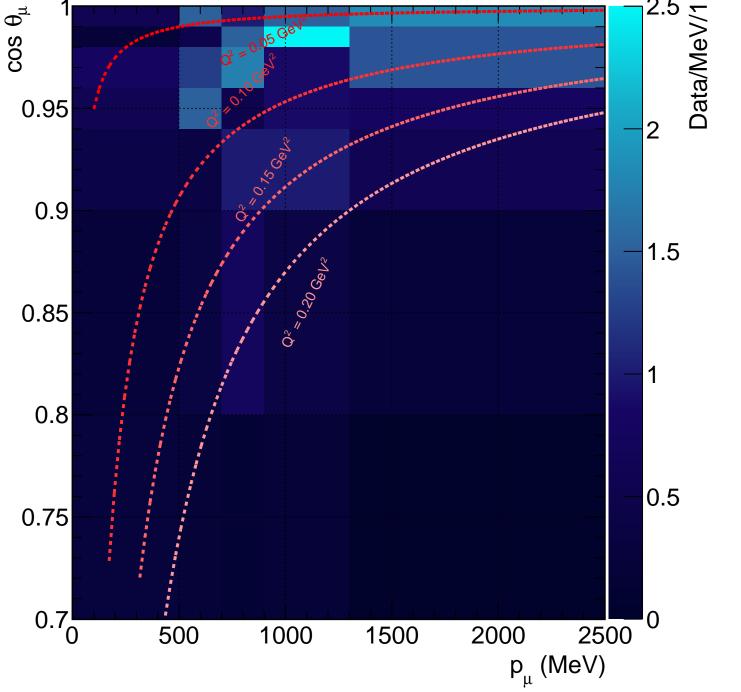
FGD2 anti- ν_{μ} CC 0π MC: 4285.22



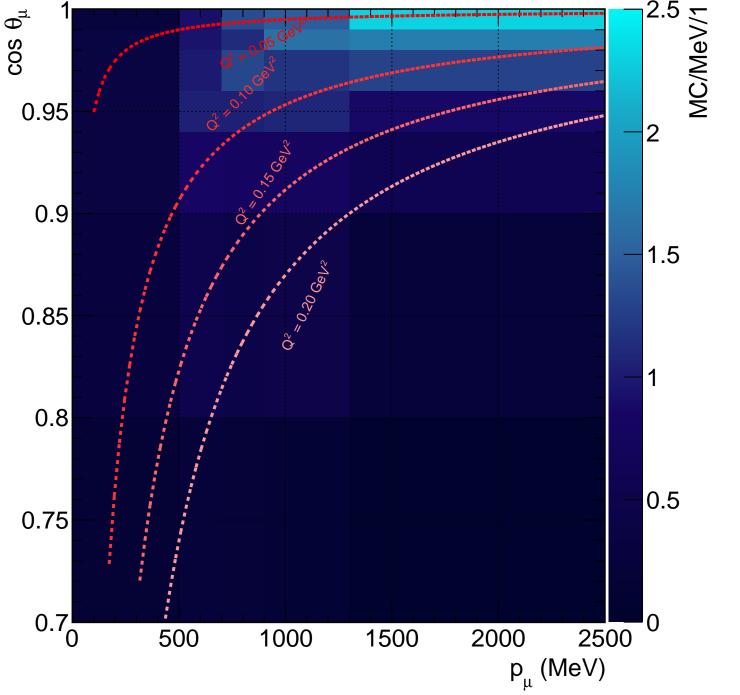
FGD2 anti- v_{μ} CC 0π ratio



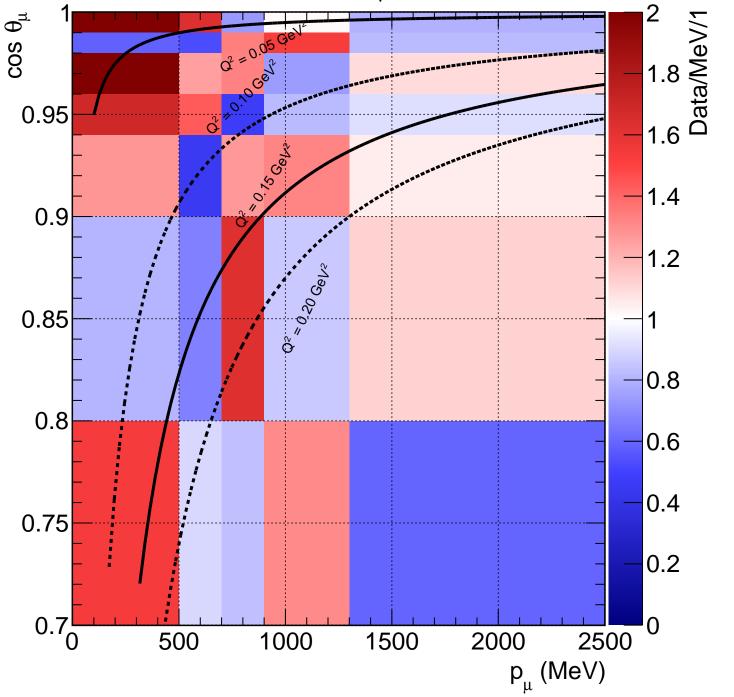
FGD2 anti- ν_{μ} CC 1 π data: 29.46



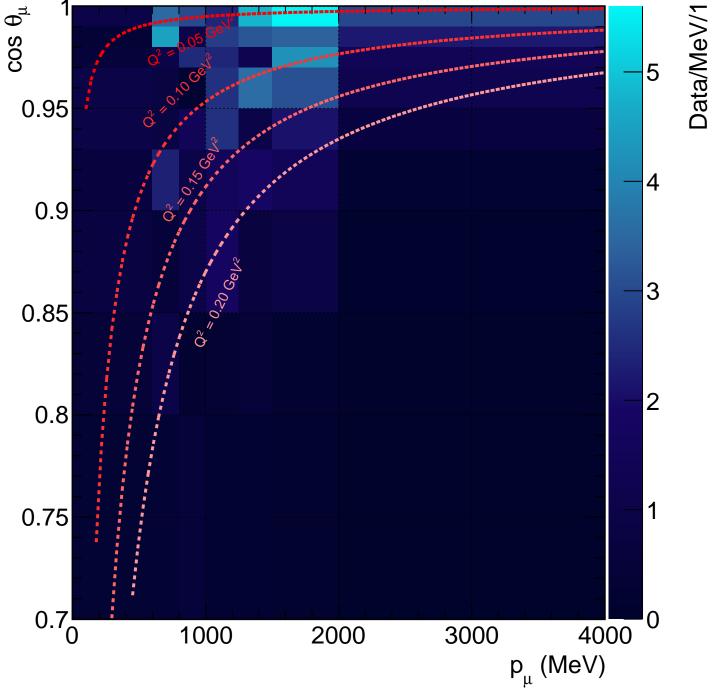
FGD2 anti- ν_{μ} CC 1 π MC: 28.0298



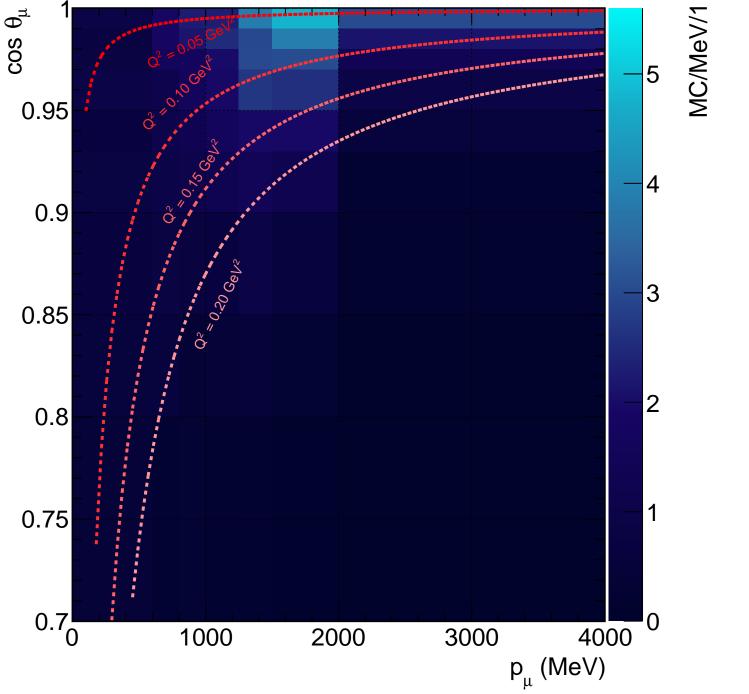
FGD2 anti- ν_{μ} CC 1 π ratio



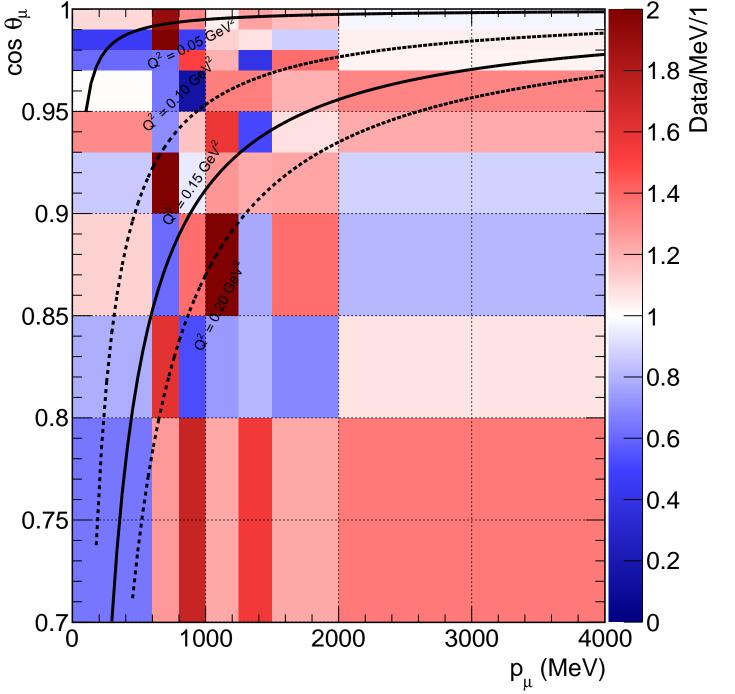
FGD2 anti- v_{μ} CC other data: 95.90



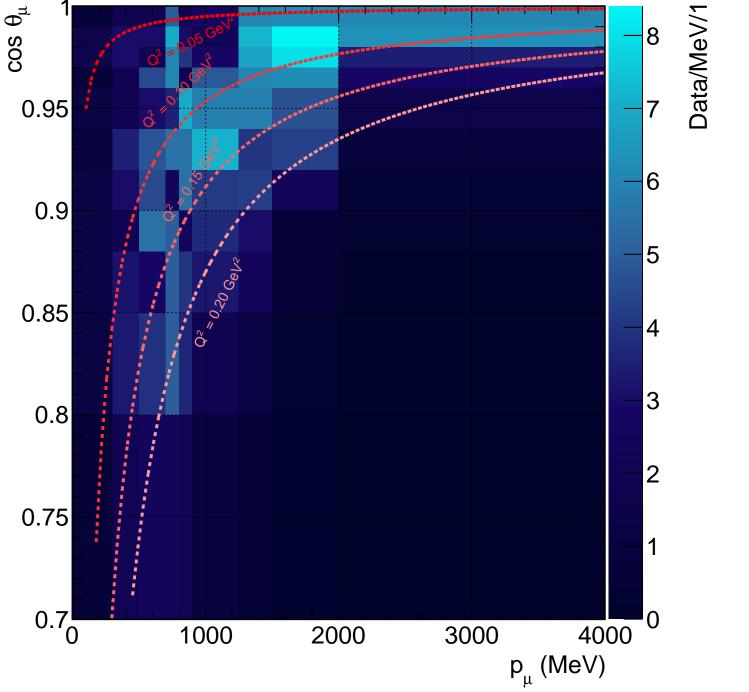
FGD2 anti- v_{μ} CC other MC: 86.3352



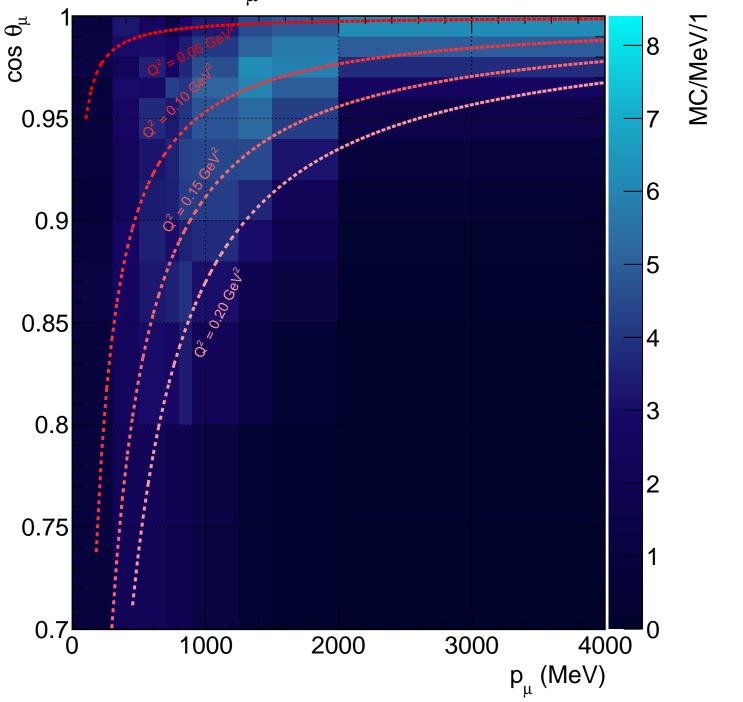
FGD2 anti- $\nu_{\mu}\text{CC}$ other ratio



FGD1 ν_{μ} RHC CC0 π data: 328.53

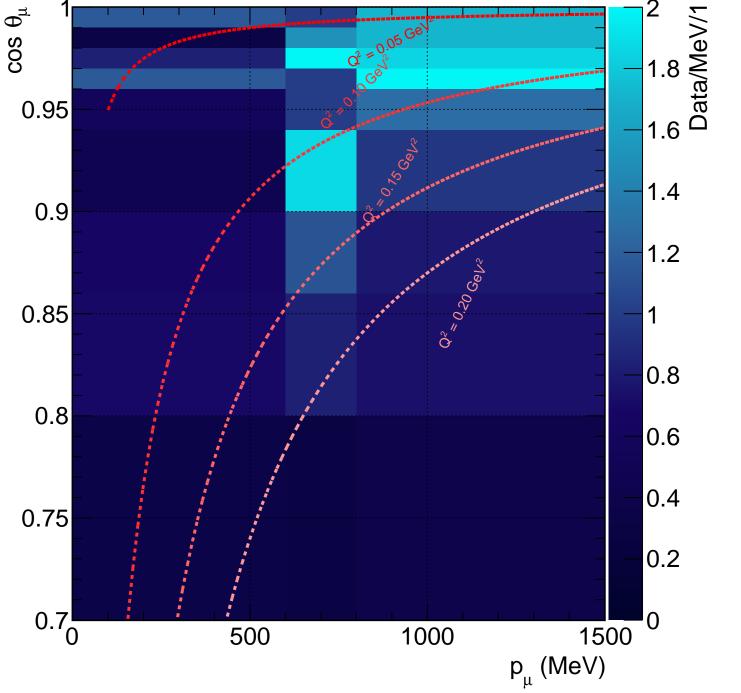


FGD1 ν_{μ} RHC CC0 π MC: 286.945

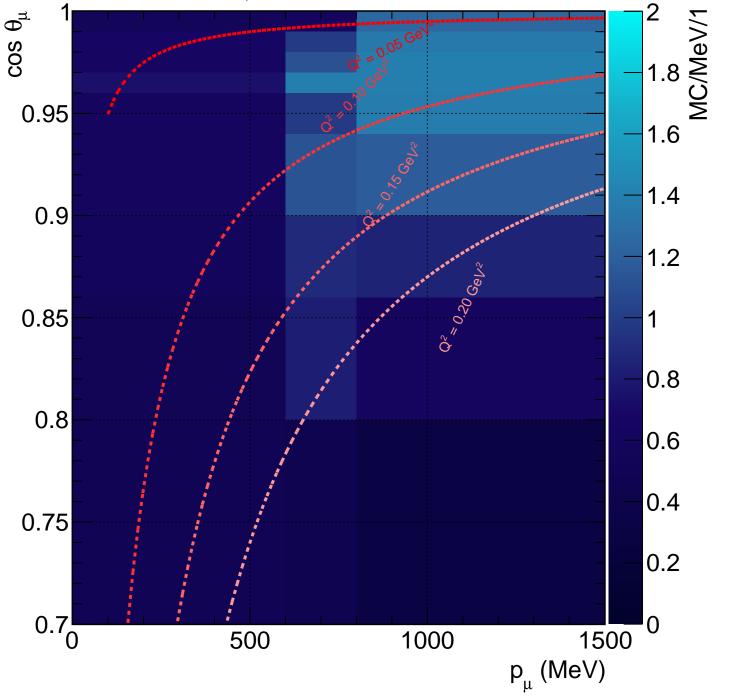


FGD1 ν_{μ} RHC CC0 π ratio $\cos \theta_{\mu}$ Data/MeV/1 0.95 1.4 0.9 1.2 Q2 2020 0.85 8.0 8.0 0.6 0.4 0.75 0.2 0.7 4000 1000 2000 3000 $p_{\mu} \, (\text{MeV})$

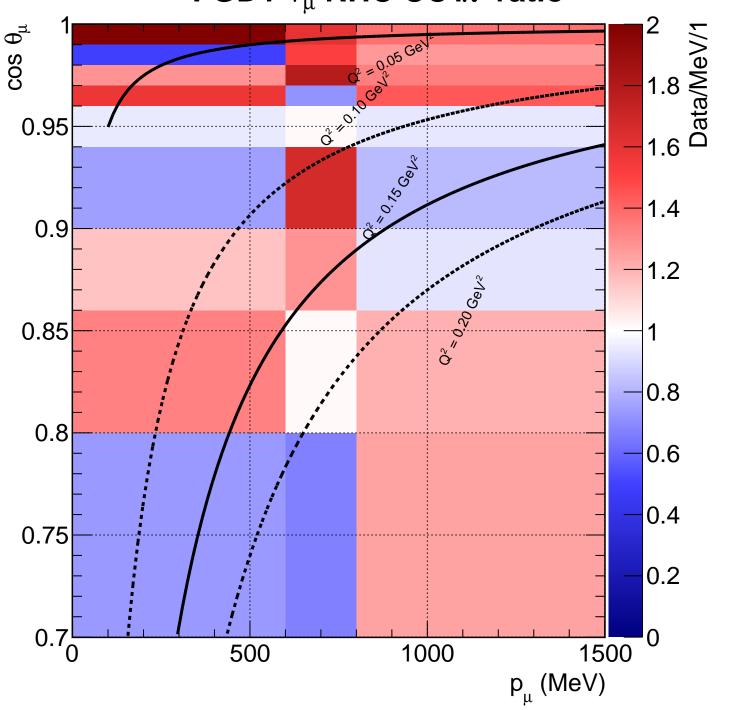
FGD1 ν_{μ} RHC CC1 π data: 29.61



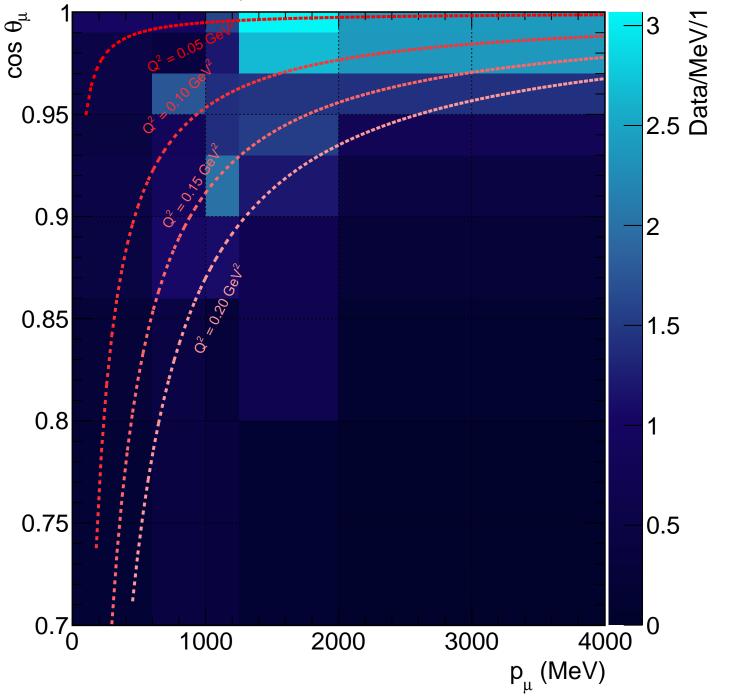
FGD1 ν_{μ} RHC CC1 π MC: 24.8167



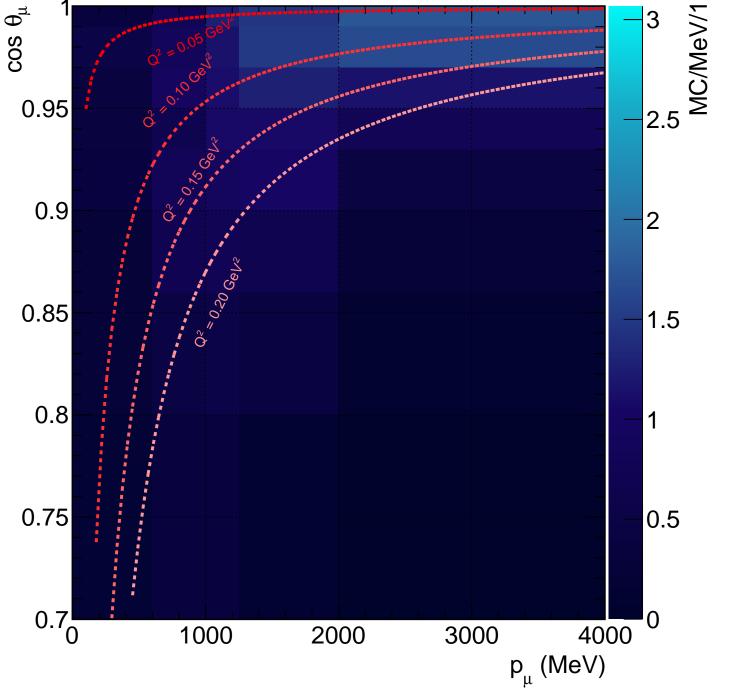
FGD1 ν_{μ} RHC CC1 π ratio



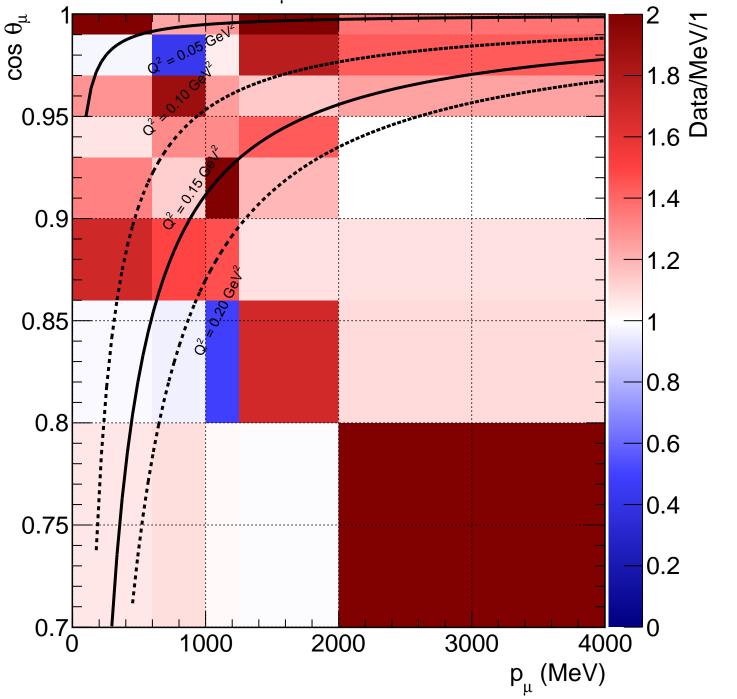
FGD1 ν_{μ} RHC CCother data: 39.94



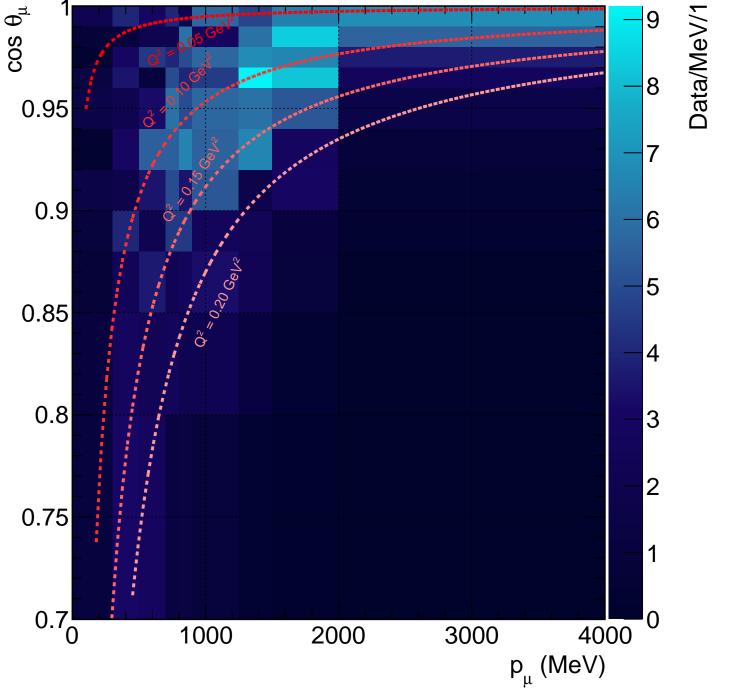
FGD1 ν_{μ} RHC CCother MC: 29.7862



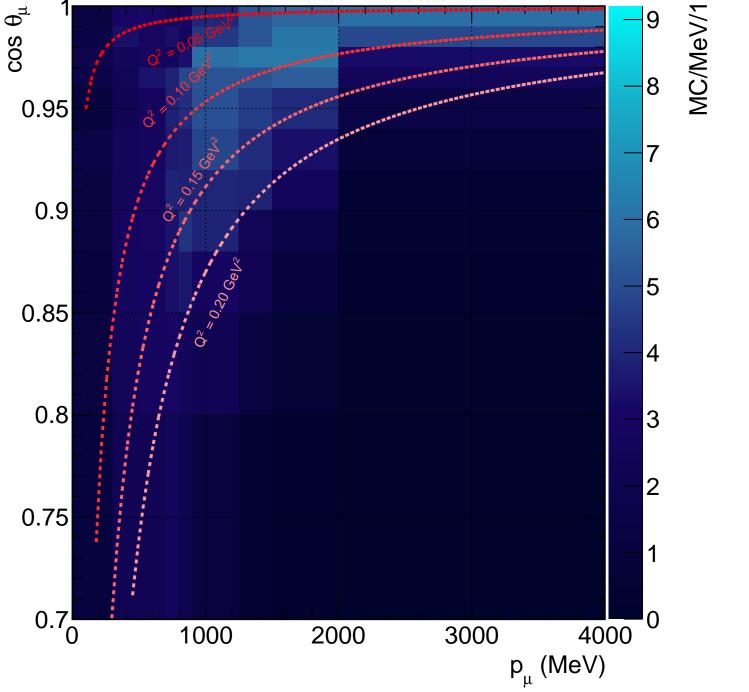
FGD1 ν_{μ} RHC CCother ratio



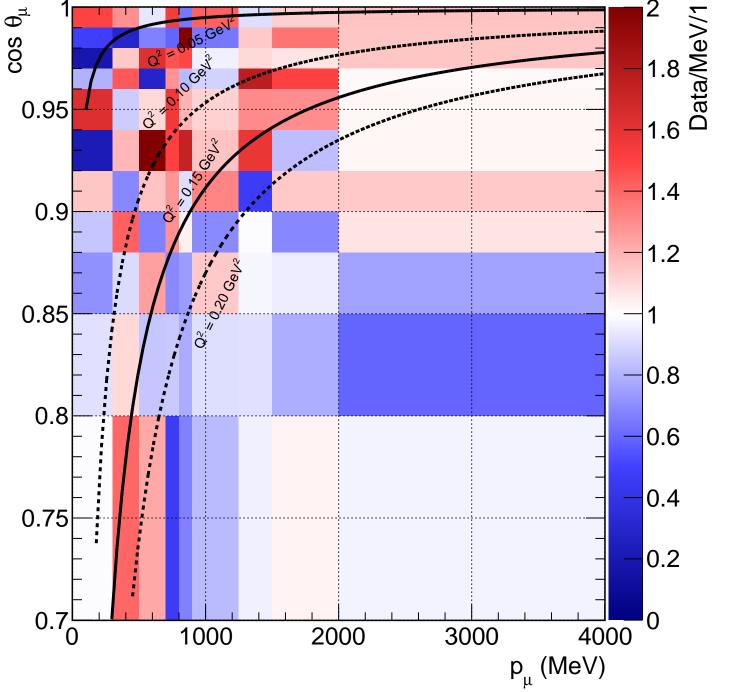
FGD2 ν_{μ} RHC CC0 π data: 320.68



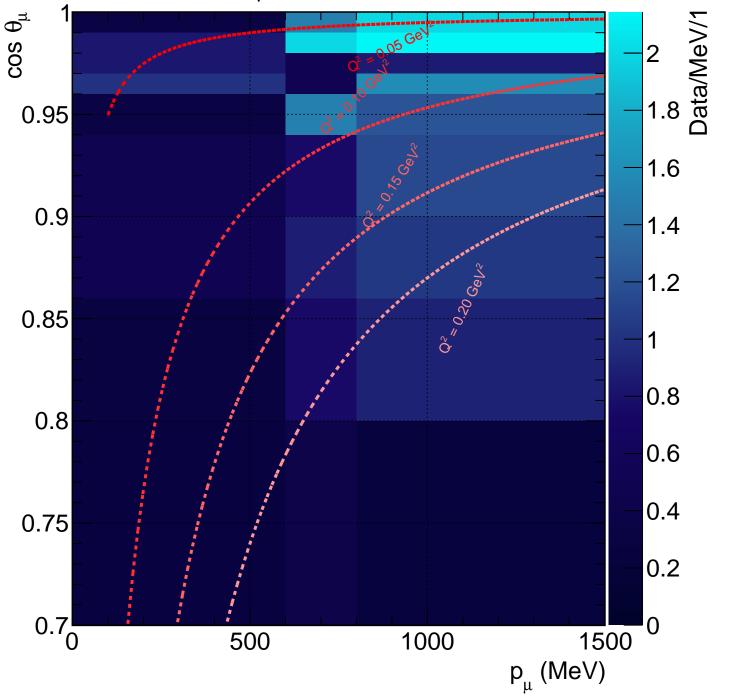
FGD2 ν_{μ} RHC CC0 π MC: 295.039



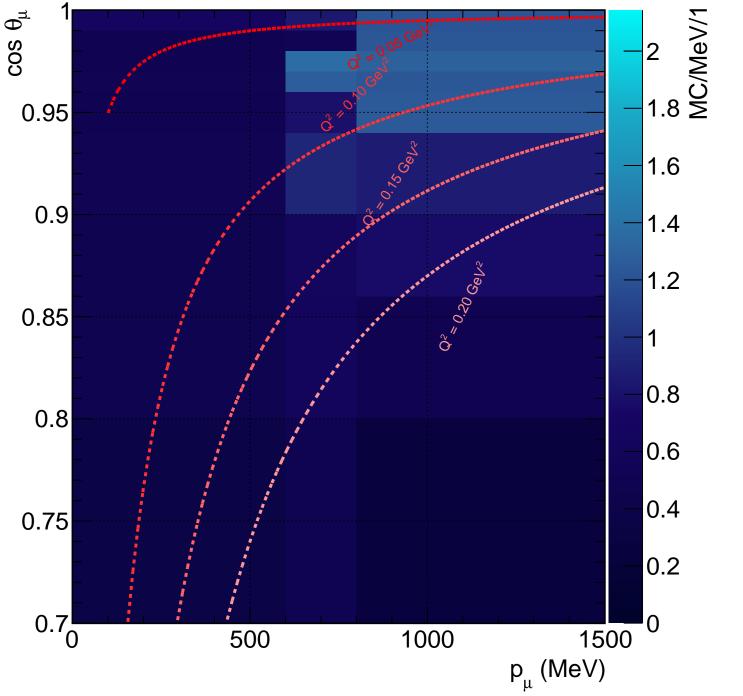
FGD2 ν_{μ} RHC CC0 π ratio Data/MeV/1 $Q^2 = 0.05 \text{ GeV}$ 100 S. 1. 100 S. 1. 100 S. 1. 100 S. 1.4 1.2



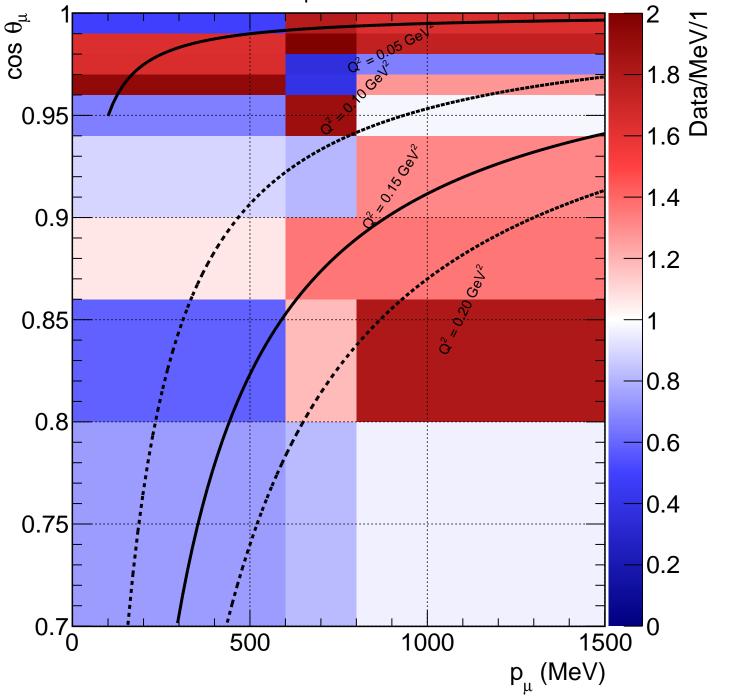
FGD2 ν_{μ} RHC CC1 π data: 25.70



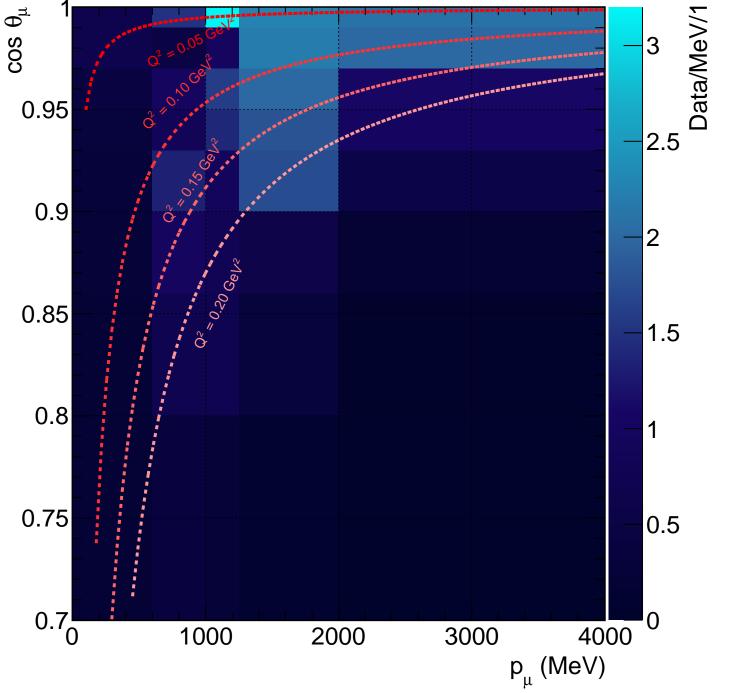
FGD2 ν_{μ} RHC CC1 π MC: 21.6315



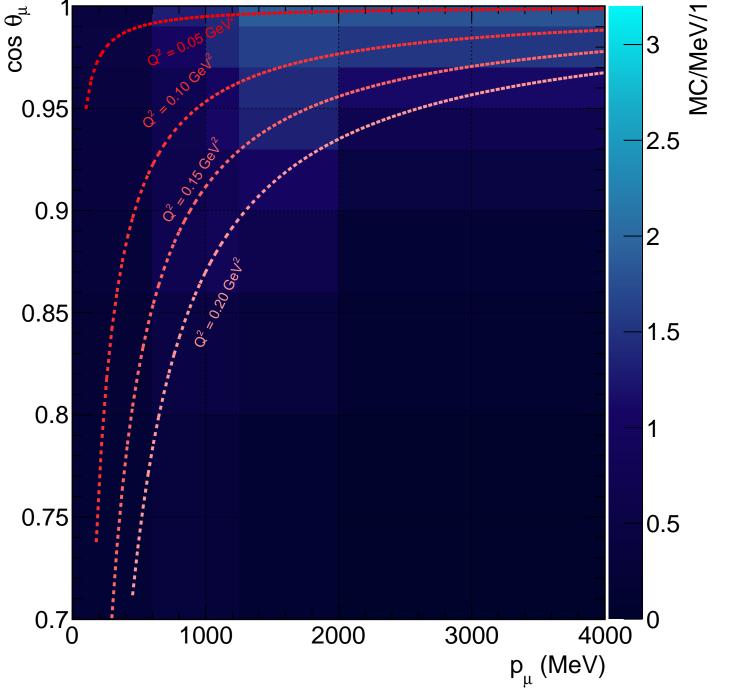
FGD2 ν_{μ} RHC CC1 π ratio



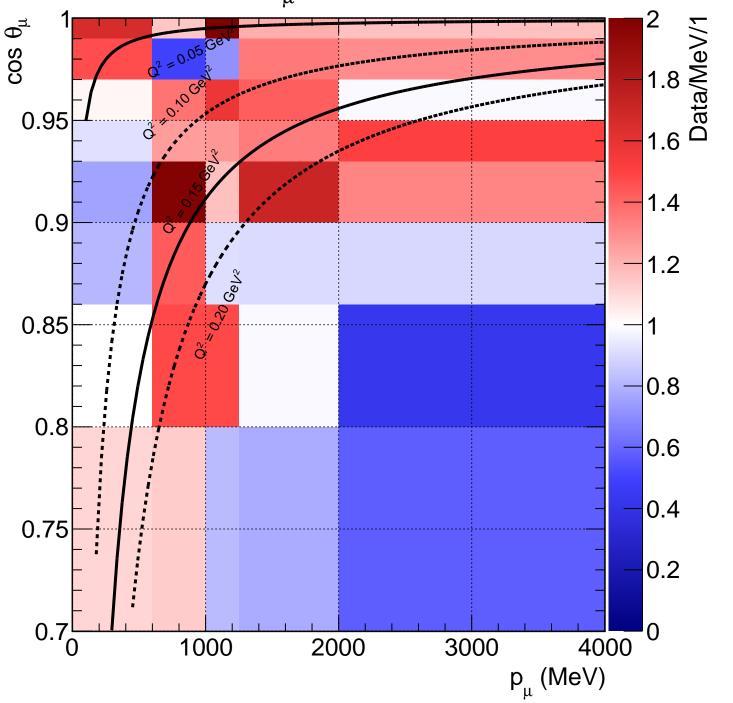
FGD2 ν_{μ} RHC CCother data: 38.99

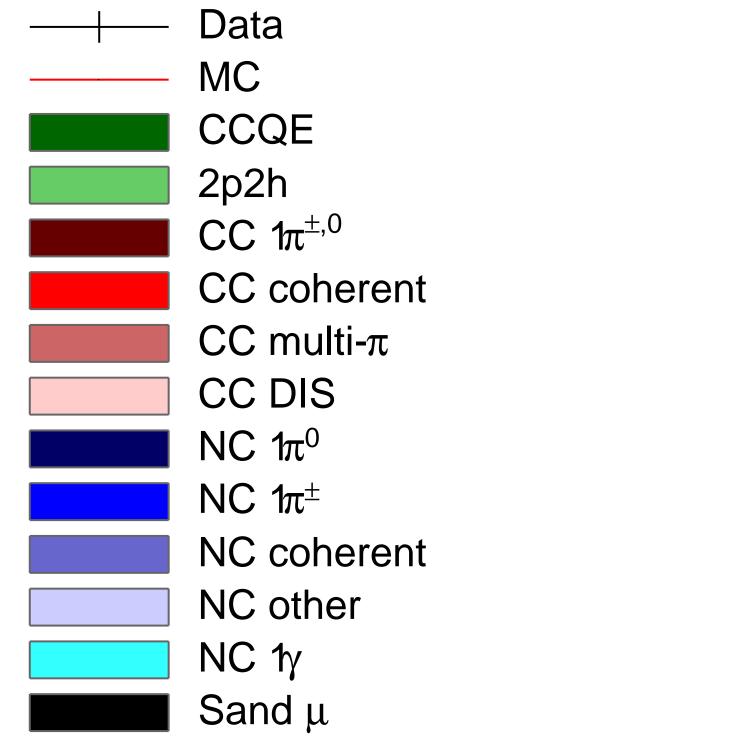


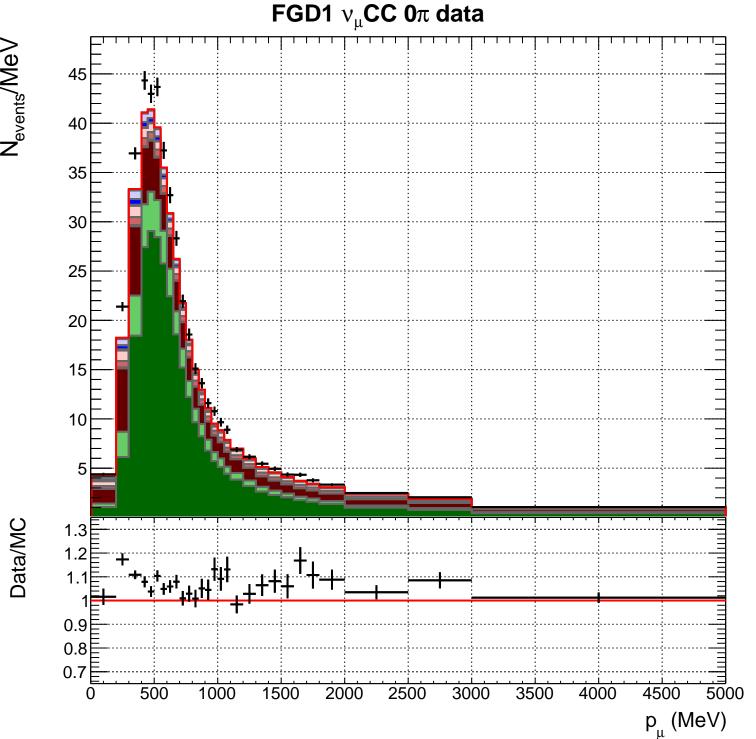
FGD2 ν_{μ} RHC CCother MC: 30.9039

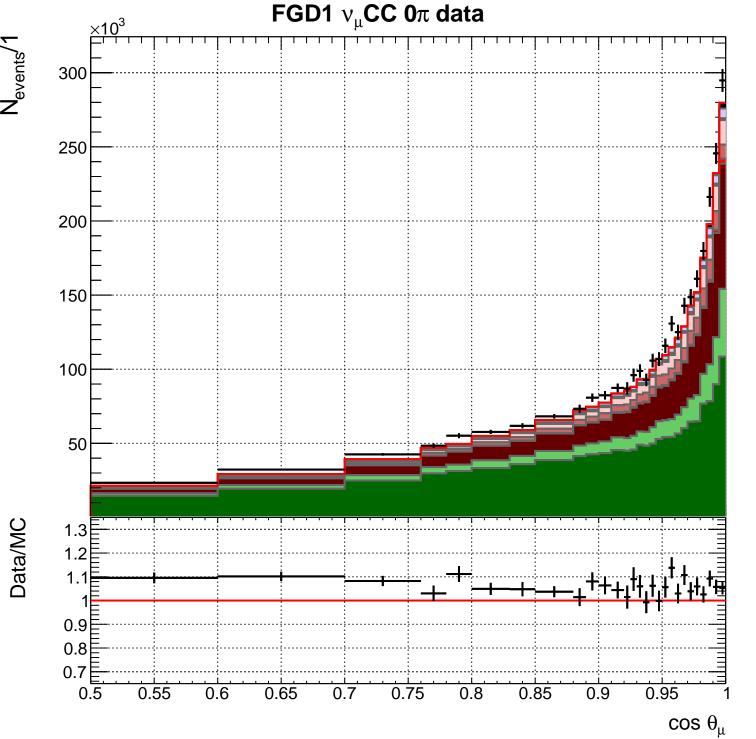


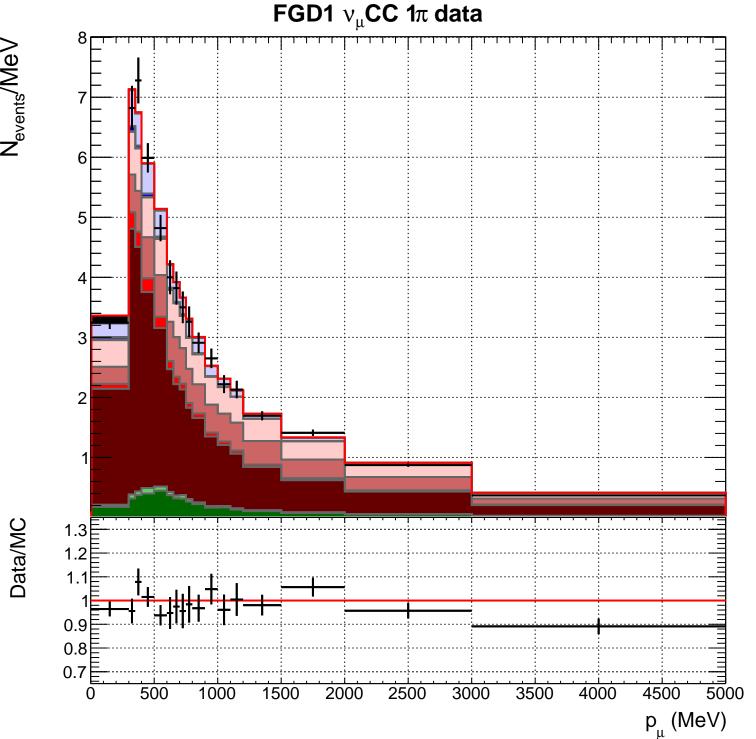
FGD2 ν_{μ} RHC CCother ratio

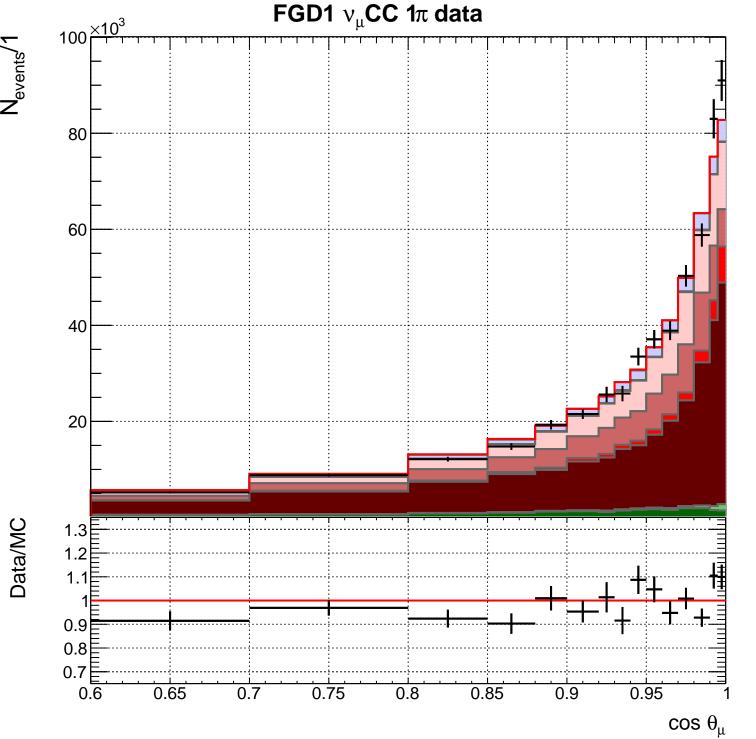


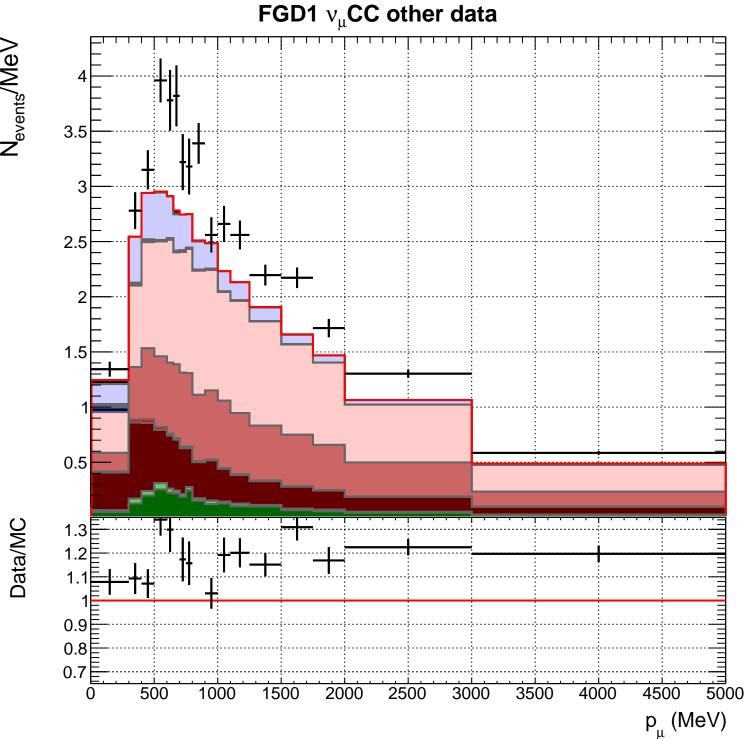


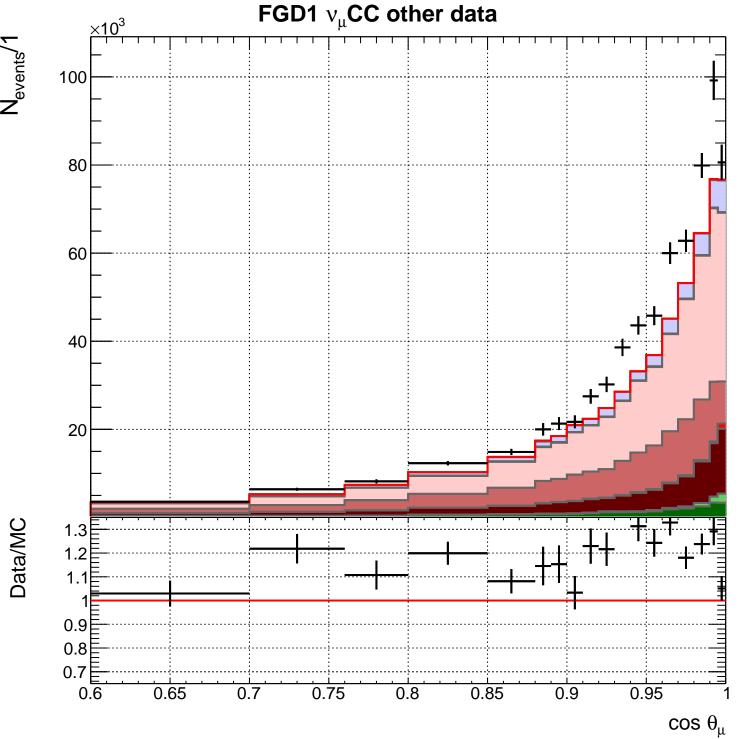


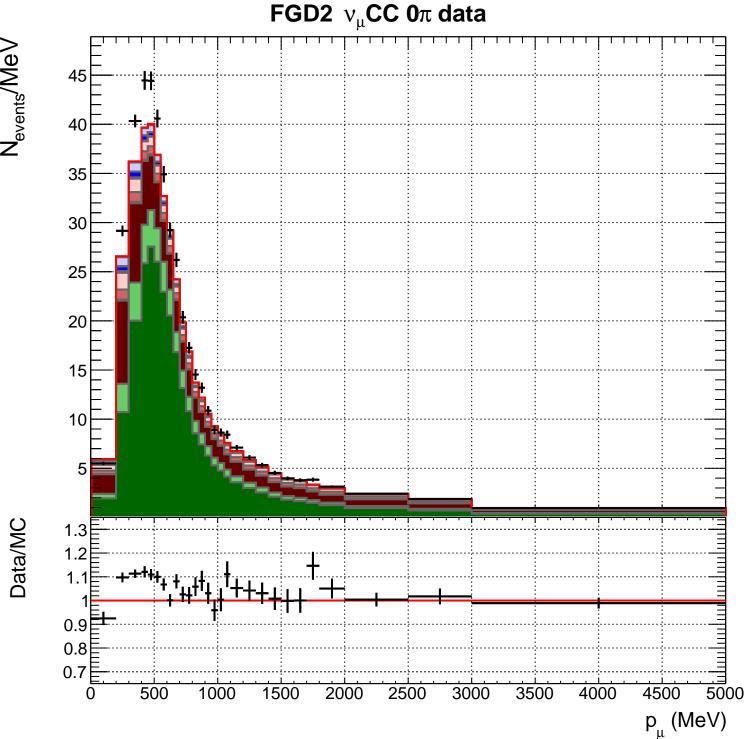


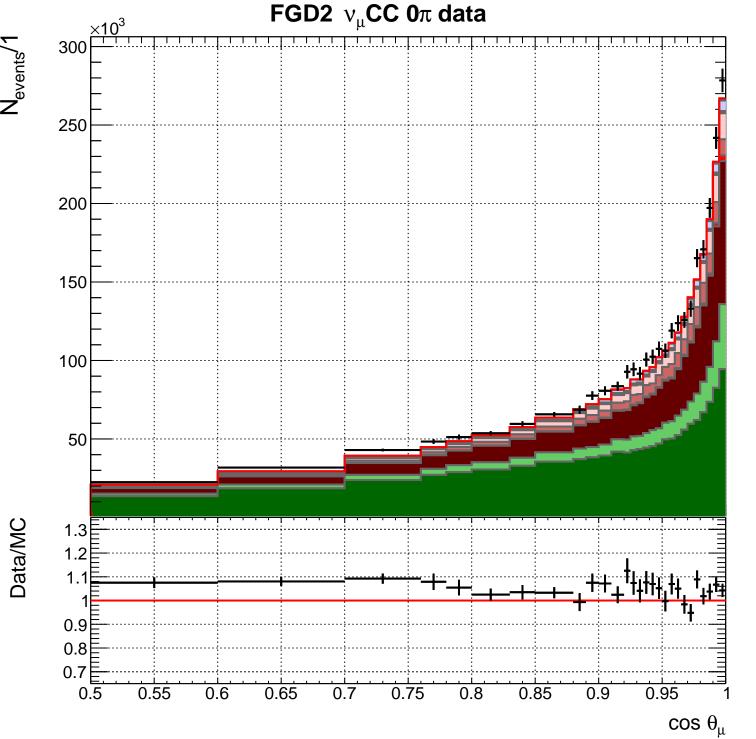


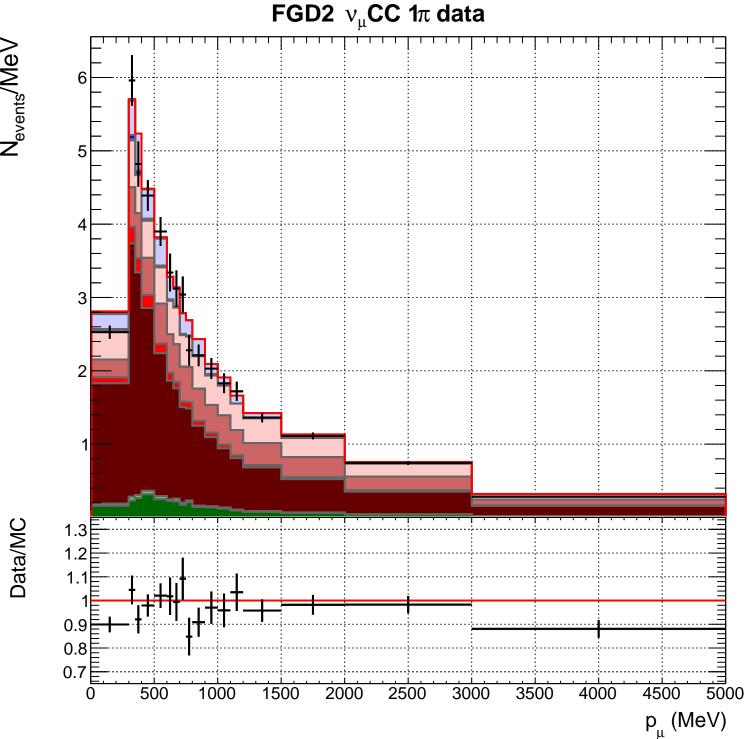


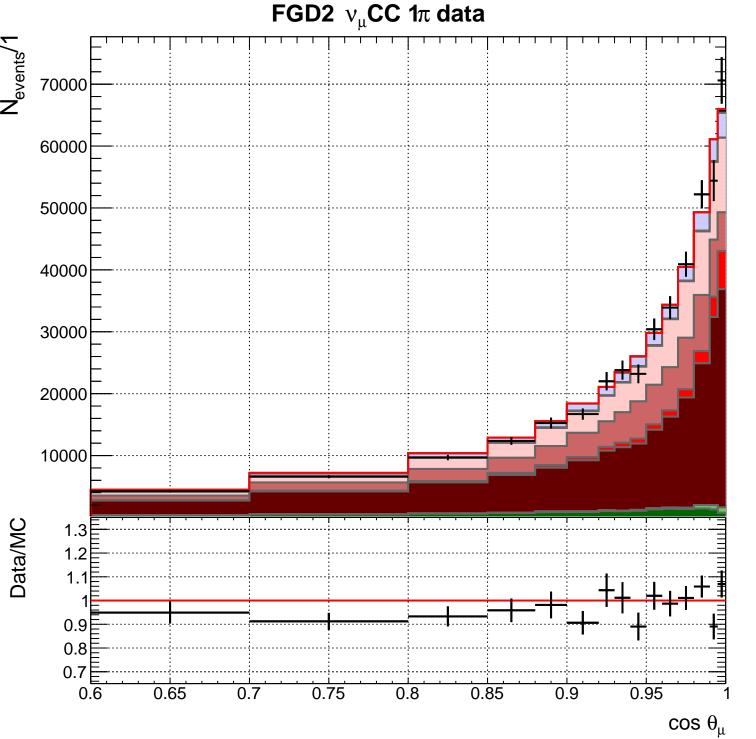


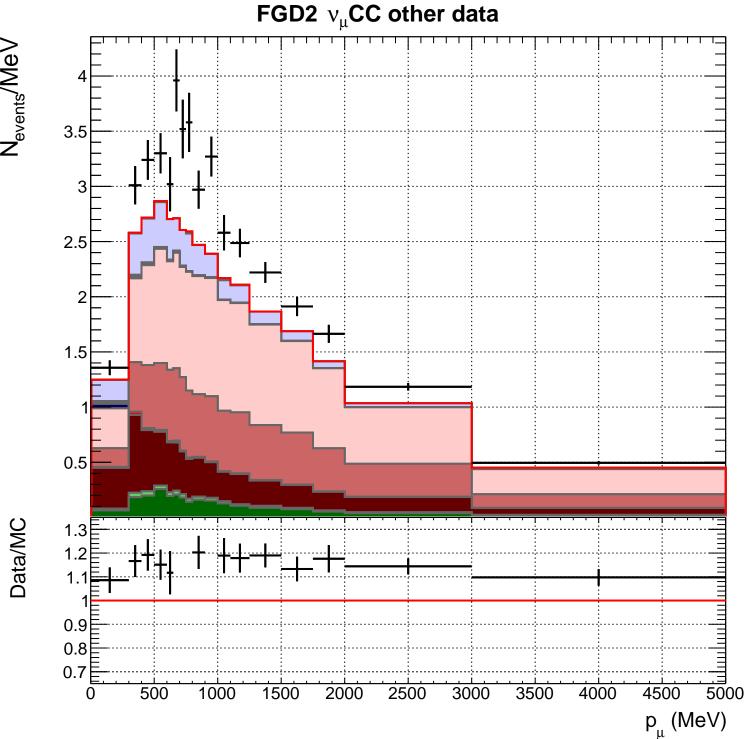




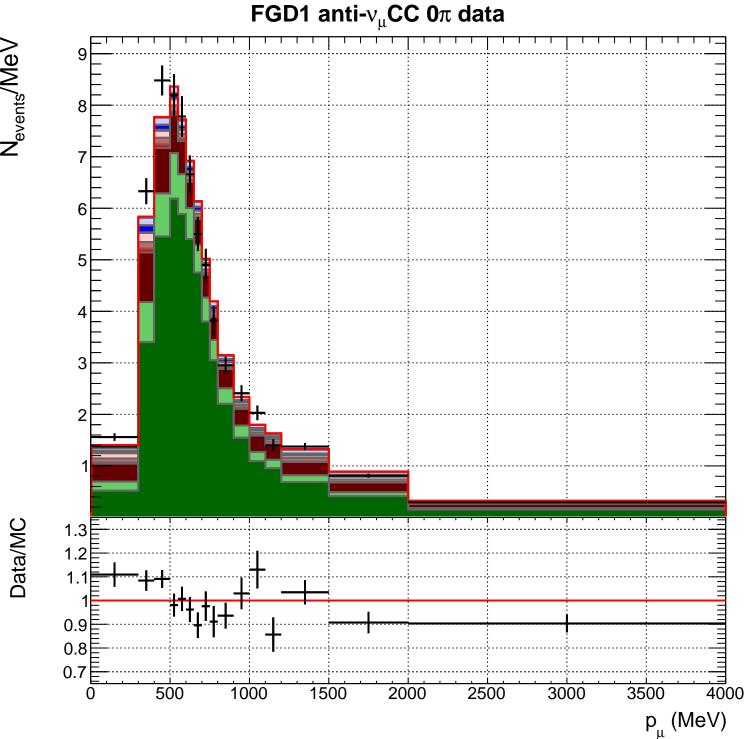




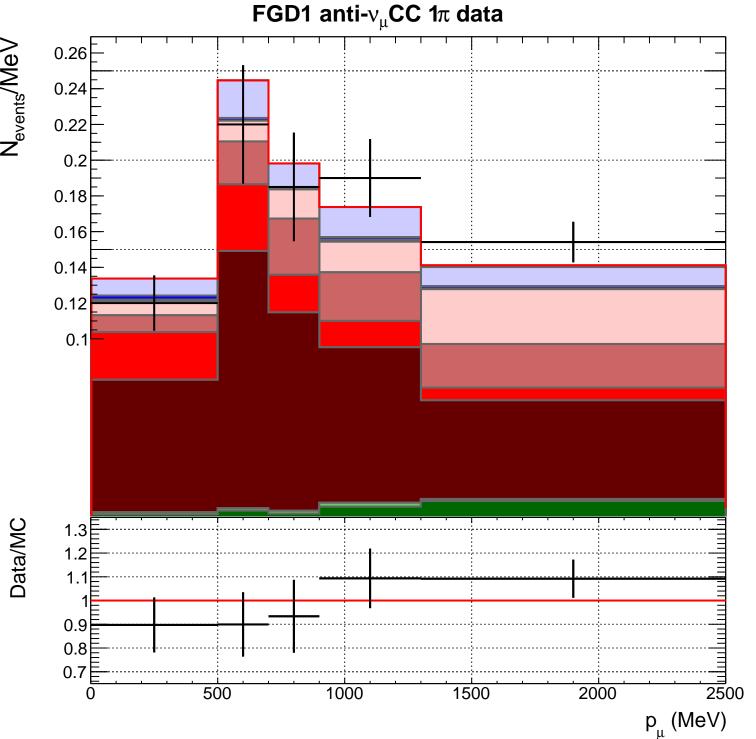


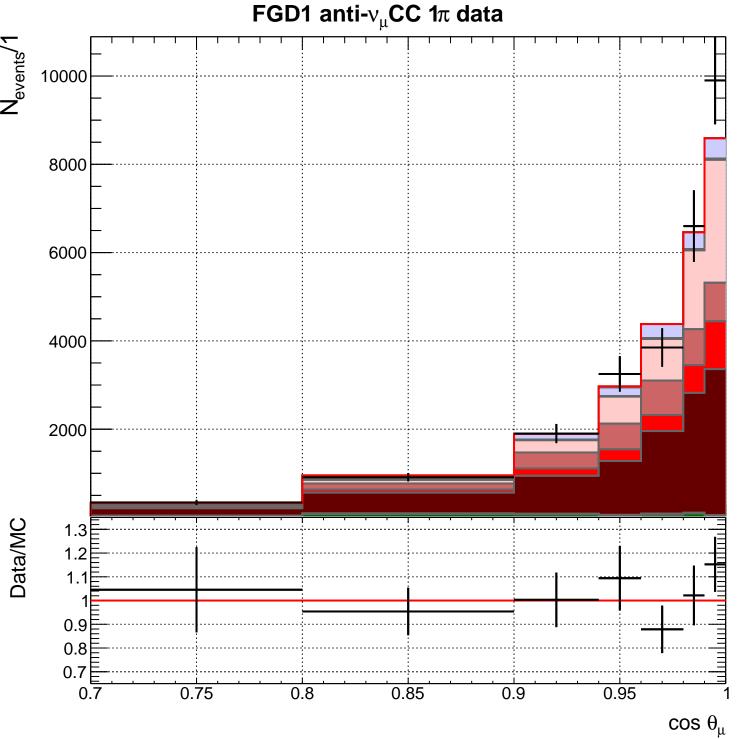


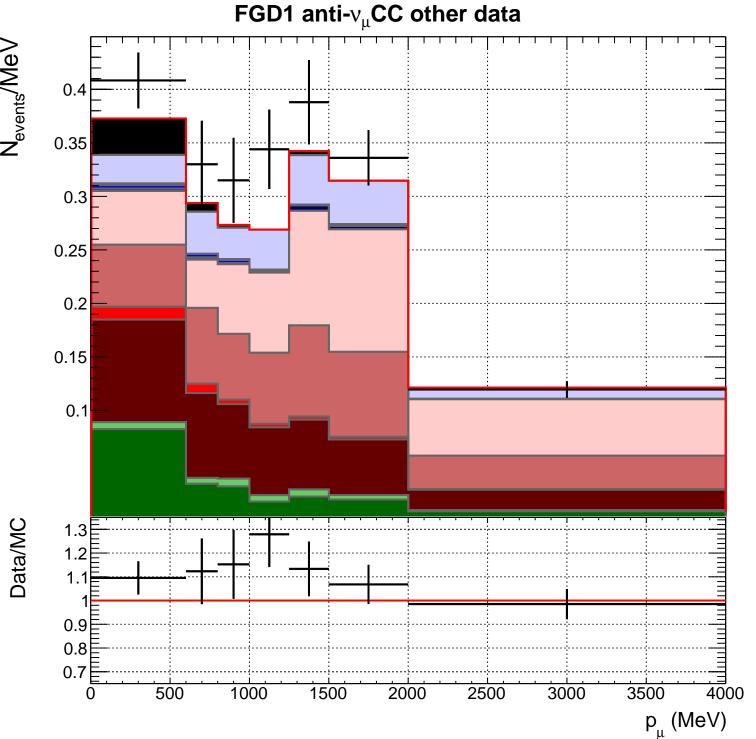
FGD2 ν_{μ} CC other data 90000 80000 70000 60000 50000 40000 30000 20000 10000 Data/MC 1.3 1.2 0.9 8.0 0.7 $0.\overline{6}$ 0.65 0.75 0.8 0.85 0.9 0.95 0.7 $\text{cos }\theta_{\mu}$



FGD1 anti- ν_{μ} CC 0π data 70000 60000 50000 40000 30000 20000 10000 Data/MC 1.3 1.2 0.9 0.8 0.7 $0.\overline{6}$ 0.65 0.75 0.8 0.85 0.9 0.95 0.7 $\text{cos }\theta_{\mu}$

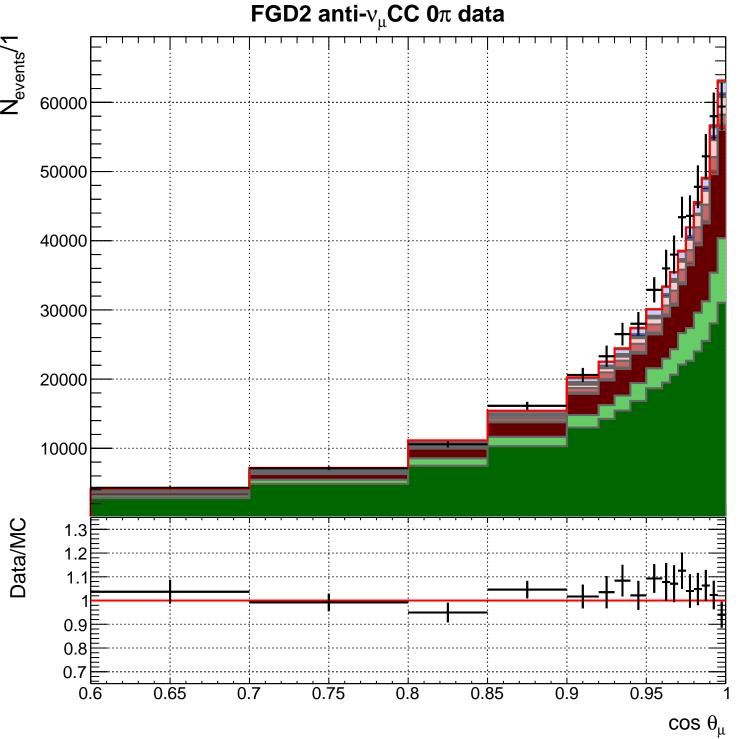


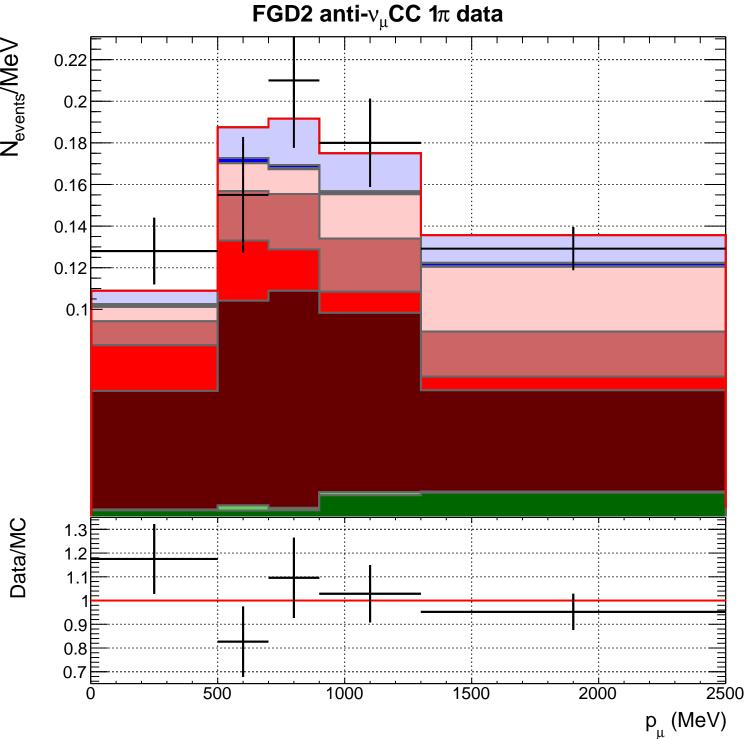




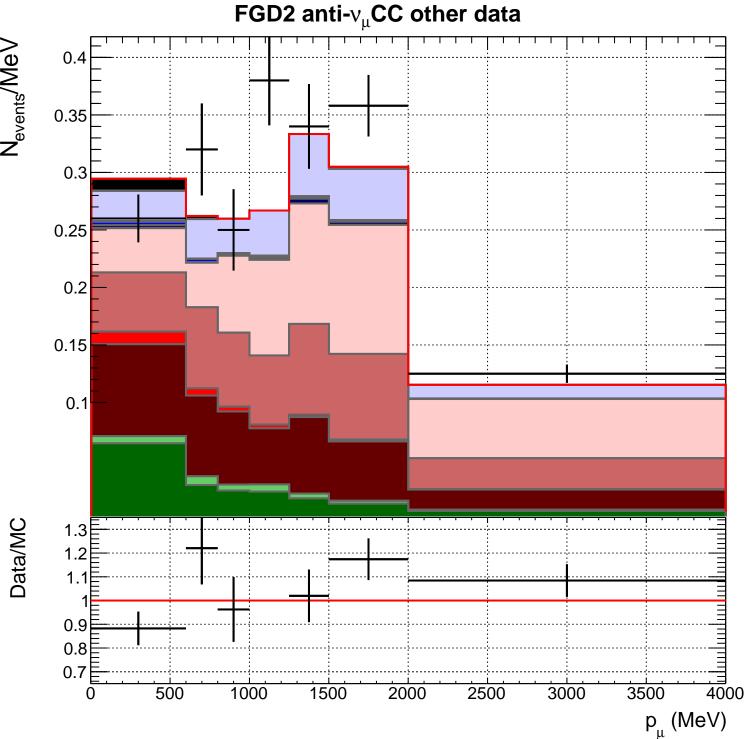
FGD1 anti- ν_{μ} CC other data 18000 16000 14000 12000 10000 8000 6000 4000 2000 Data/MC 1.3 1.2 0.9 0.8 0.7 0.75 0.8 0.85 0.95 0.7 0.9 $\text{cos }\theta_{\mu}$

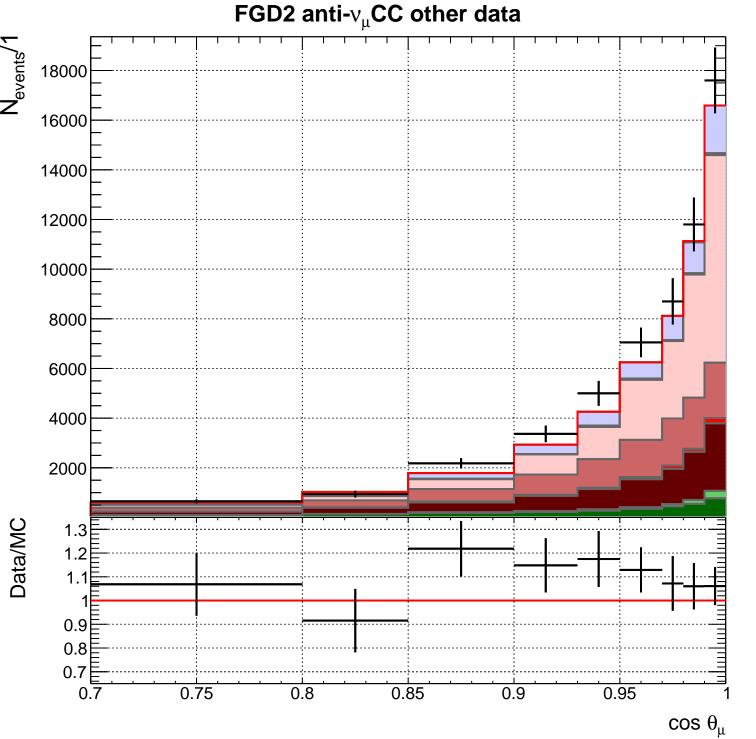
FGD2 anti- ν_{μ} CC 0π data 6 5 3 Data/MC 1.3 1.2 0.9 8.0 0.7 4000 500 2000 2500 3000 3500 1000 1500 0 p_μ (MeV)

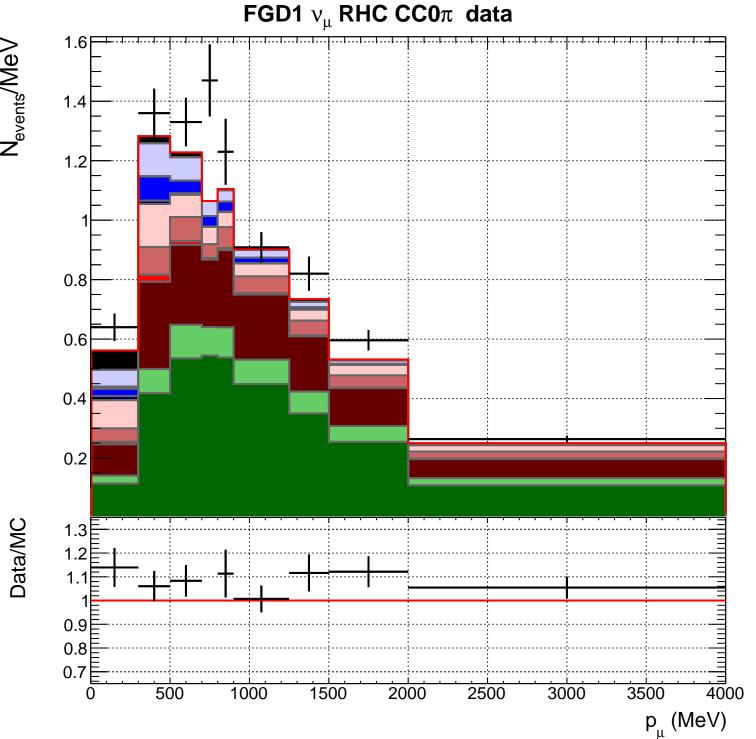


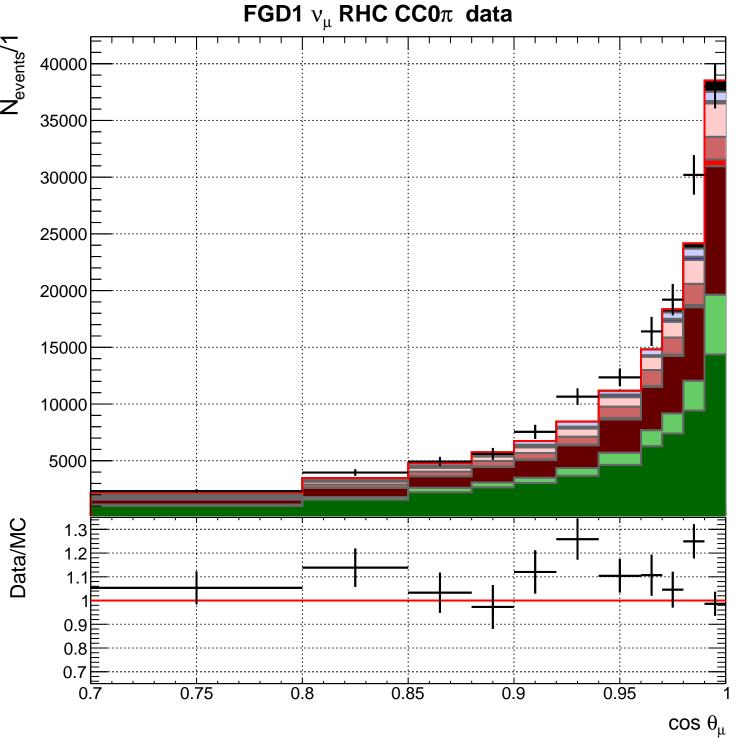


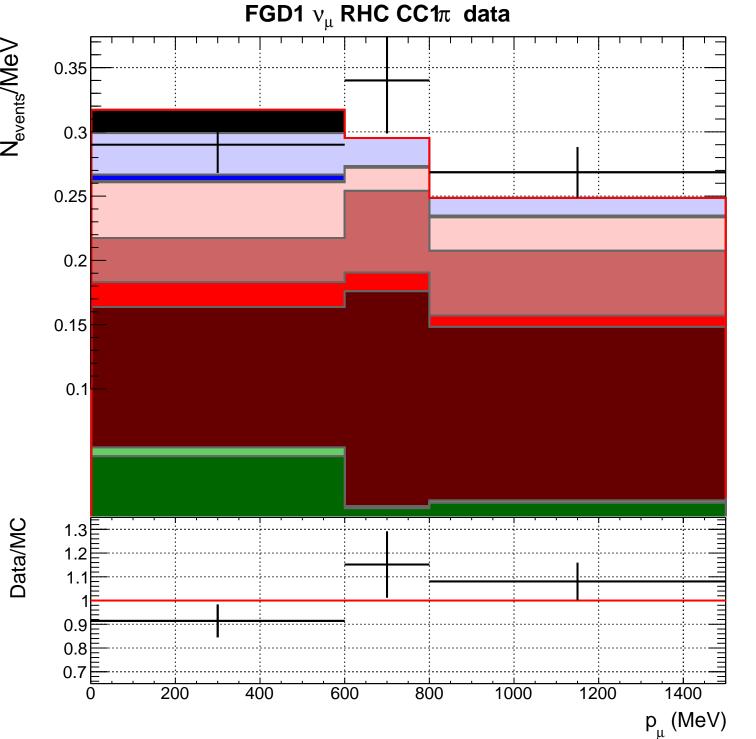
FGD2 anti- ν_{μ} CC 1 π data 9000 8000 7000 6000 5000 4000 3000 2000 1000 Data/MC 1.3 1.2 0.9 0.8 0.7 0.75 0.8 0.85 0.95 0.7 0.9 $\text{cos }\theta_{\mu}$

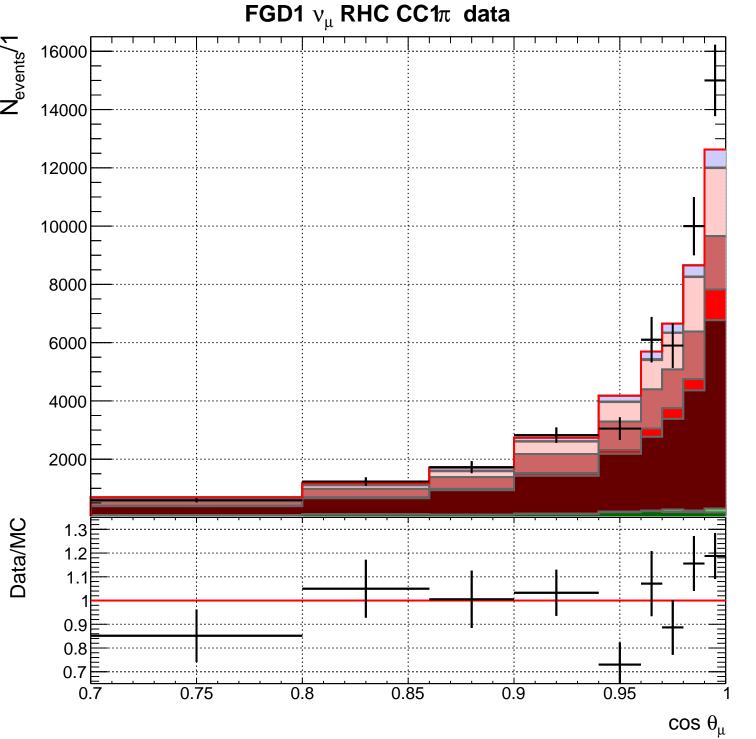


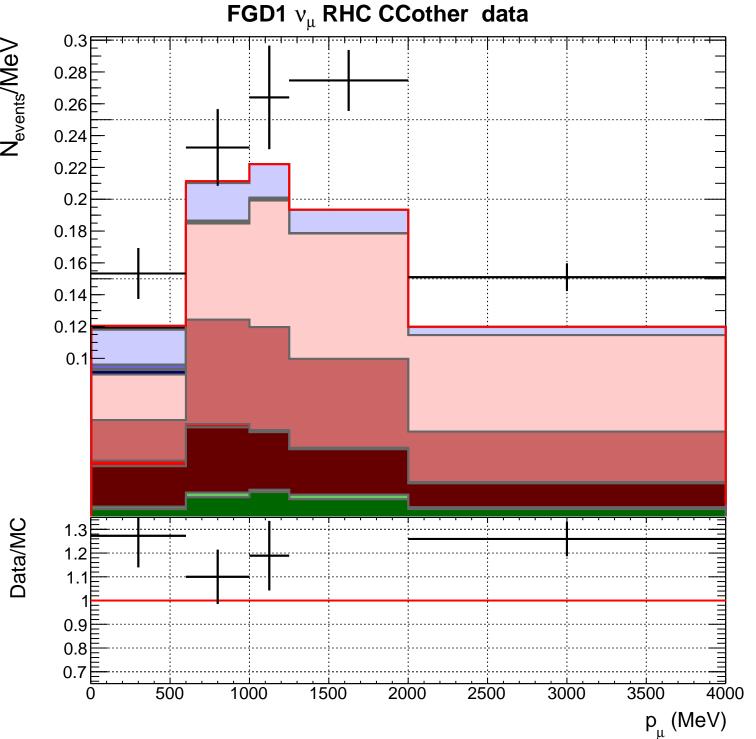


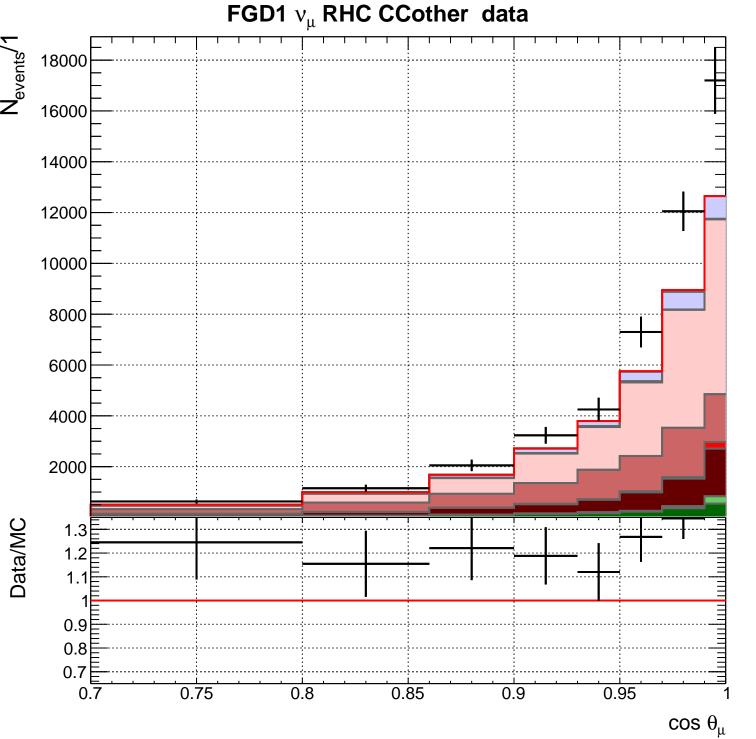


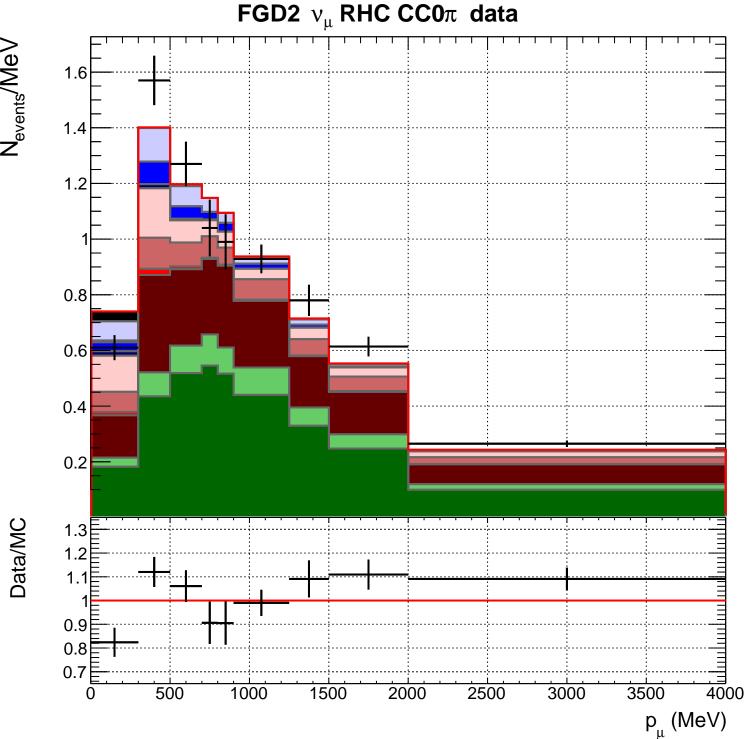


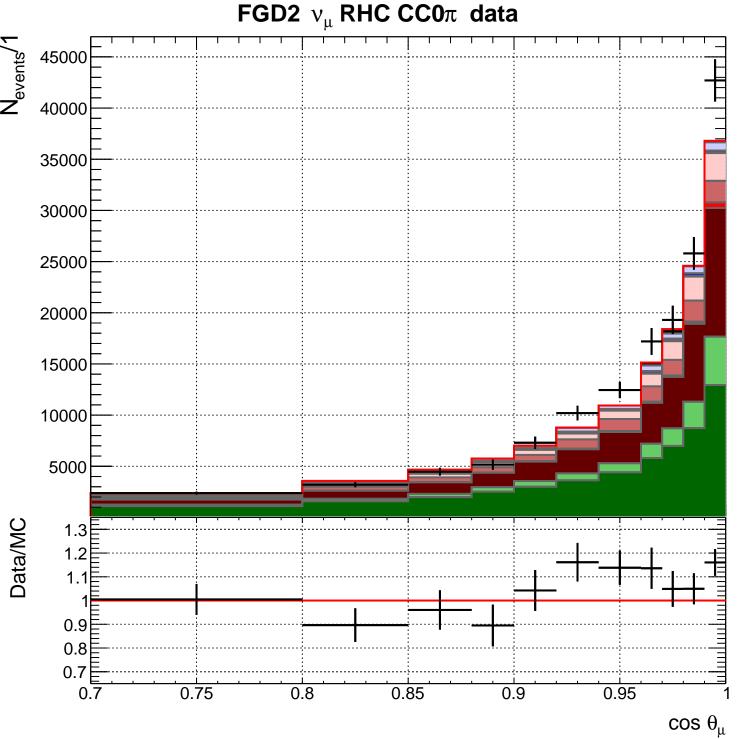


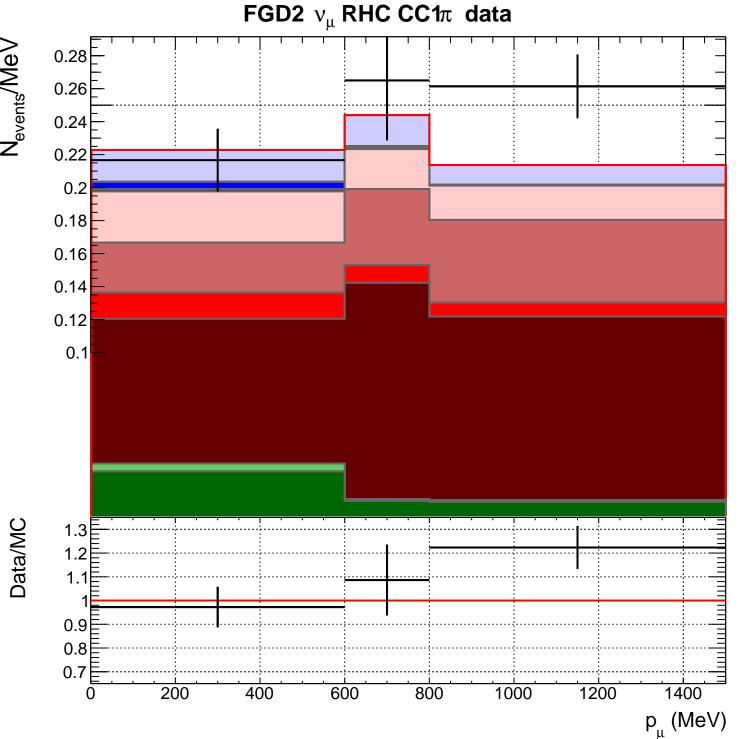


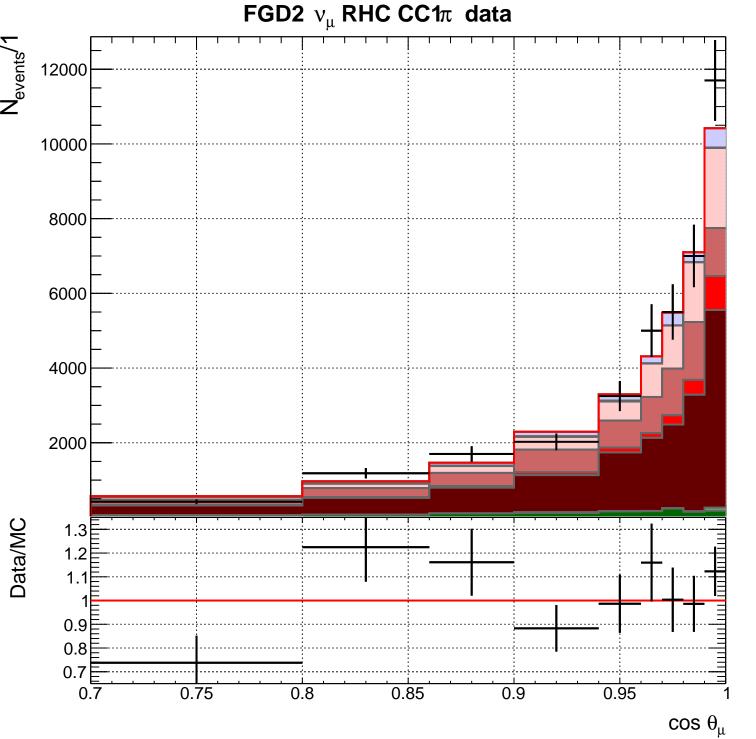


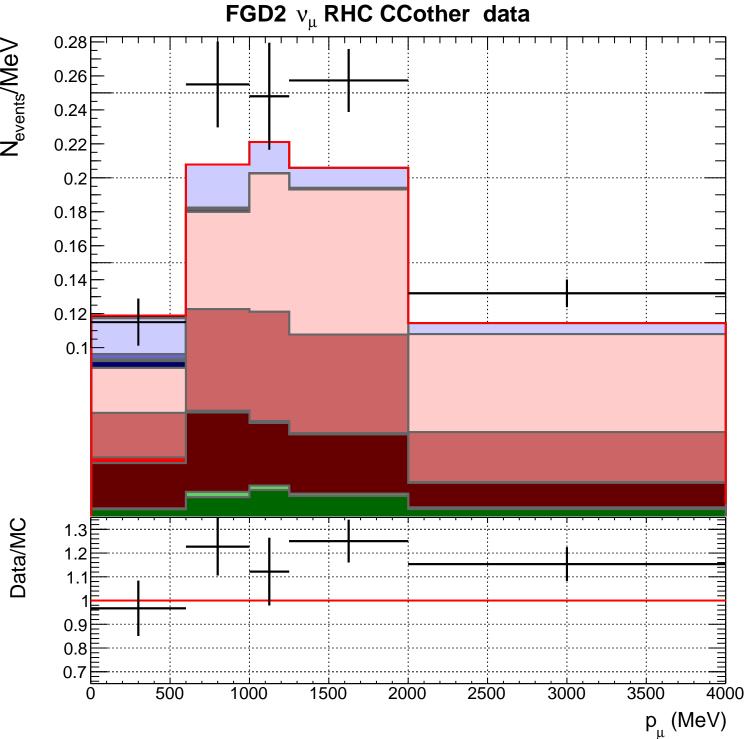












FGD2 ν_{μ} RHC CCother data 18000 16000 14000 12000 10000 8000 6000 4000 2000 Data/MC 1.3 1.2 0.9 8.0 0.7 0.75 0.85 0.95 0.7 8.0 0.9 $\cos\,\theta_\mu$