1.0 v_{tt} CC Efficiency 60.0%, Purity: 0.0% BNB On (data) Data/MC ratio: 0.96 1600 -BNB Off (data) 8.0 1400 ν bkg (MC) ν CC (MC) bin 1200 -Efficiency 9.0 9.0 ν out-TPC (MC) per 1000 ν dirt (MC) Events 800 -600 400 0.2 200 0.0 2.5 0.5 1.0 1.5 2.0 $\pi/4$ $\pi/2$ $3\pi/4$ True lepton energy [GeV] Beam ON Beam OFF + MC 1.0 0.5 $\pi/4$ $\pi/2$ $3\pi/4$ π Muon candidate theta

MicroBooNE 4.5e+19 POT, INTERNAL