## MicroBooNE 4.2e+19 POT, INTERNAL BNB On (data) Data/MC ratio: 1.21 700 BNB Off (data) ν bkg (MC) 600 ν CC (MC) Events per bin 500 ν out-FV (MC) ν dirt (MC) 400 300 200 100 0 50 100 150 200 250 300 350 2.0 Beam ON Beam OFF + MC 1.5 1.0 0.5 50 100 150 200 250 300 350 Muon candidate length [cm]