NCpi0BDT\_FC\_0p\_bnb\_12\_p\_multi\_reco\_all Event counts ΣData/ΣPrediction=0.96±0.22  $\chi^2/\text{ndf}=1.7/5$ Pred. Uncertainty EXT, 283.4 Out FV, 341.2 NC $\pi^0$  QE, 11.9 NC $\pi^0$  DIS, 296.5 CC $\pi^0$ , 502.1 CC Other, 218.0 POT: 6.37e+20 PO1: 6.3/e+20 BNB Data, 3522.0 Cosmic, 83.2 Dirt, 42.1 NC $\pi^0$  COH, 90.4 NC $\pi^0$  RES, 1519.7 NC $\pi^0$  MEC, 0.6 NC Other, 262.2  $v_e/\overline{v}_e$  CC, 31.4 4000 3000 2000 1000 1.8 1.6 Data/Prediction **Total Uncertainty** Stat. + Flux + Genie + GEANT4 + Reweight 1.4 1.2 0.8 0.6 0.4 0.2 0 2 3 Proton Multiplicity