NCpi0BDT_FC_Np_bnb_12_pi0_costheta_all Event counts Σ Data/ Σ Prediction=0.85 \pm 0.30 $\chi^2/\text{ndf}=11.5/20$ Pred. Uncertainty EXT, 188.4 Out FV, 86.8 NC π^0 QE, 10.9 NC π^0 DIS, 201.6 CC π^0 , 383.8 CC Other, 270.4 POT: 6.37e+20 POT: 6.3/e+20BNB Data, 2036.0 Cosmic, 54.8 Dirt, 11.5 NC π^0 COH, 4.4 NC π^0 RES, 914.1 NC π^0 MEC, 0.8 NC Other, 247.6 v_e/\overline{v}_e CC, 13.8 700 600 500 400 300 200 100 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 -0.5 0.5 0 $\pi^0 \cos\,\theta$