NCpi0BDT_PC_Np_bnb_12_pi0_costheta_all Event counts Σ Data/ Σ Prediction=0.83 \pm 0.24 140 χ²/ndf=4.0/20 Pred. Uncertainty EXT, 36.9 Out FV, 78.9 POT: 6.37e+20 BNB Data, 397.0 Cosmic, 17.3 Dirt, 2.4 120 $NC\pi^{0}$ COH, 0.1 $NC\pi^{0}$ RES, 111.1 $NC\pi^{0}$ MEC, 0.1 NC Other, 22.9 v_{e}/\overline{v}_{e} CC, 4.4 NCπ⁰ QE, 1.0 NCπ⁰ DIS, 25.6 CCπ⁰, 93.2 CC Other, 86.6 100 80 60 40 20 1.8 1.6 Data/Prediction **Total Uncertainty** Stat. + Flux + Genie + GEANT4 + Reweight .4 -0.5 0.5 0 $\pi^0 \cos \bar{\theta}$