

NCpi0BDT_Np_bnb_12_pi0_costheta_all Event counts ΣData/ΣPrediction=0.76±0.17 $\chi^2/\text{ndf}=12.6/25$ Pred. Uncertainty EXT, 16.0 Out FV, 216.4 NC π^0 QE, 17.6 NC π^0 DIS, 283.7 NC π^0 other, 0.0 NC Other, 157.6 V_e/ $\overline{\text{V}}_{\text{e}}$ CC, 20.4 800 POT: 6.37e+20 POT: 6.3/e+20 BNB Data, 2621.0 Cosmic, 81.6 Dirt, 276.9 NCπ⁰ COH, 5.7 NCπ⁰ RES, 1463.7 NCπ⁰ MEC, 1.4 CCπ⁰, 567.0 CC Other, 335.6 700 600 500 400 300 200 100 1.8 1.6 1.4 Data/Pred **Total Uncertainty** Stat. + Flux + Cross Sec. 1.4 1.2 0.8 0.6 0.4 0.2 -0.5 0.5 0 $\pi^0 \cos\,\theta$