NCpi0BDT_FC_Np_bnb_12_pi0_mass_gamma_all Event counts $\Sigma Data/\Sigma Prediction=0.72\pm0.26$ χ²/ndf=7.4/34 Pred. Uncertainty POT: 6.37e+20 PO1: 6.37e+20 BNB Data, 1441.0 Cosmic, 40.6 Dirt, 7.2 NCπ⁰ COH, 1.3 NCπ⁰ RES, 948.9 NCπ⁰ MEC, 1.1 NC Other, 166.4 EXT, 93.0 Out FV, 56.0 500 NCπ⁰ QE, 12.1 NCπ⁰ DIS, 170.9 CCπ⁰, 268.2 CC Other, 216.5 400 v_e/\overline{v}_e CC, 9.4 300 200 100 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 0 350 40 π^0 Mass [MeV/c²] 50 100 150 200 250 300 400