NCpi0BDT_PC_0p_bnb_12_reco_nuvtxX_all Event counts ΣData/ΣPrediction=0.93±0.16 χ^2 /ndf=4.3/26 Pred. Uncertainty EXT, 199.0 Out FV, 240.4 NCπ⁰ QE, 1.5 NCπ⁰ DIS, 45.8 CCπ⁰, 225.7 CC Other, 127.7 POT: 6.37e+20 140 POT: 6.3/e+20BNB Data, 1068.0Cosmic, 39.0Dirt, 21.2NC π^0 COH, 14.6NC π^0 RES, 174.0NC π^0 MEC, 0.0NC Other, 50.5 v_e/\overline{v}_e CC, 7.1120 100 80 60 40 20 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 v Vertex X [cm] 50 150 100 200