NCpi0BDT_0p_bnb_12_kine_pio_energy_low_all Event counts Σ Data/ Σ Prediction=0.98 \pm 0.20 800 POT: 6.37e+20 $\chi^2/ndf=3.9/16$ PO1: 6.37e+20BNB Data, 3815.0 Cosmic, 98.8 Dirt, 57.1 NC π^0 COH, 100.7 NC π^0 RES, 1291.4 NC π^0 MEC, 0.5 NC Other, 232.9 v_e/\overline{v}_e CC, 32.8 Pred. Uncertainty EXT, 477.4 Out FV, 505.5 $NC\pi^{0}$ QE, 8.8 $NC\pi^{0}$ DIS, 255.4 $CC\pi^{0}$, 577.1 CC Other, 265.9 600 1400 1200 1000 800 600 400 200 2 1.8 1.6 Data/Prediction **Total Uncertainty** Stat. + Flux + Genie + GEANT4 + Reweight 1.4 1.2 0.8 0.6 0.4 0.2 250 300 350 40 Sub-leading shower Energy [MeV] 50 150 200 100 400