NCpi0BDT_FC_Np_bnb_12_kine_pio_energy_low_all Event counts Σ Data/ Σ Prediction=0.86±0.30 χ²/ndf=7.4/20 Pred. Uncertainty POT: 6.37e+20 600 PO1: 6.37e+20BNB Data, 2023.0 Cosmic, 54.6 Dirt, 11.5 NC π^0 COH, 4.4 NC π^0 RES, 908.5 NC π^0 MEC, 0.8 NC Other, 241.3 v_e/\overline{v}_e CC, 13.4 EXT, 187.7 Out FV, 86.4 NCπ⁰ QE, 10.9 NCπ⁰ DIS, 196.9 CCπ⁰, 379.8 CC Other, 268.3 500 400 300 200 100 2 1.8 1.6 Data/Prediction **Total Uncertainty** Stat. + Flux + Cross Sec. + Reweight 1.4 1.2 0.8 0.6 0.4 0.2 0 50 100 150 250 200 300 Sub-leading shower Energy [MeV]