NCpi0BDT_PC_Np_bnb_12_nc_pio_score_all Event counts 300 ΣData/ΣPrediction=0.81±0.21 E0.21 $\chi^2/\text{ndf}=10.2/20$ Pred. Uncertainty EXT, 88.5 Out FV, 121.3 NC π^0 QE, 1.3 NC π^0 DIS, 36.9 CC π^0 , 132.1 CC Other, 116.3 POT: 6.37e+20 BNB Data, 585.0 Cosmic, 23.7 Dirt, 4.5 NCπ⁰ COH, 1.2 NCπ⁰ RES, 151.3 NCπ⁰ MEC, 0.1 NC Other, 37.2 250 v_e/\overline{v}_e CC, 6.6 200 150 100 50 Data/Prediction **Total Uncertainty** Stat. + Flux + Genie + GEANT4 + Reweight .4 .2 3 **BDT Score**