







NCpi0BDT\_Np\_bnb\_12\_kine\_pio\_energy\_high\_all Event counts ΣData/ΣPrediction=0.74±0.24 POT: 6.37e+20  $\chi^2/\text{ndf}=6.0/24$ 800 POT: 6.37e+20BNB Data, 2551.0 Cosmic, 80.5Dirt, 15.8 NC $\pi^0$  COH, 4.7 NC $\pi^0$  RES, 1436.5 NC $\pi^0$  MEC, 1.4 NC Other, 262.4 Pred. Uncertainty EXT, 270.0 Out FV, 212.3  $NC\pi^0$  QE, 17.4  $NC\pi^0$  DIS, 267.9  $CC\pi^0$ , 494.0 CC Other, 370.0 700 600  $v_e/\overline{v}_e$  CC, 9.8 500 400 300 200 100 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 0 100 200 300 400 500 600 Leading shower Energy [MeV]







