NCpi0BDT\_FC\_bnb\_12\_pi0\_mass\_gamma\_all Event counts  $\Sigma$ Data/ $\Sigma$ Prediction=0.97 $\pm$ 0.25  $\chi^2$ /ndf=14.4/34 Pred. Uncertainty EXT, 464.8 Out FV, 365.0 NC $\pi^0$  QE, 16.8 NC $\pi^0$  DIS, 397.5 CC $\pi^0$ , 748.6 CC Other, 422.4 200 POT: 6.37e+20 PO1: 6.37e+20 BNB Data, 4888.0 Cosmic, 118.6 Dirt, 49.3 NC $\pi^0$  COH, 97.9 NC $\pi^0$  RES, 1932.3 NC $\pi^0$  MEC, 1.1 NC Other, 409.7  $v_e/\overline{v}_e$  CC, 37.4 000 800 600 400 200 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  $350 ext{ Mass [MeV/c}^2]$ 50 200 250 300 100 150 400