NCpi0BDT\_0p\_bnb\_12\_gamma\_gamma\_angle\_all Event counts 800  $\Sigma$ Data/ $\Sigma$ Prediction=0.95 $\pm$ 0.20  $\chi^2$ /ndf=4.3/24 Pred. Uncertainty EXT, 483.8 Out FV, 587.3 NC $\pi^0$  QE, 13.3 NC $\pi^0$  DIS, 342.3 CC $\pi^0$ , 728.0 CC Other, 345.8 POT: 6.37e+20 PO1: 6.3/e+20 BNB Data, 4595.0 Cosmic, 122.4 Dirt, 63.5 NC $\pi^0$  COH, 105.1 NC $\pi^0$  RES, 1694.0 NC $\pi^0$  MEC, 0.7 NC Other, 312.7  $v_e/\overline{v}_e$  CC, 38.5 700 600 500 400 300 200 100 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 Angle between photons  $\theta_{\gamma \gamma}$  [red] 0.5 1.5