NCpi0BDT_bnb_12_gamma_gamma_angle_all Event counts ΣData/ΣPrediction=0.88±0.21 POT: 6.37e+20 $\chi^2/\text{ndf}=5.8/24$ PO1: 6.3/e+20 BNB Data, 6444.0 Cosmic, 180.5 Dirt, 73.0 NC π^0 COH, 106.5 NC π^0 RES, 2755.4 NC π^0 MEC, 1.9 NC Other, 512.1 v_e/\overline{v}_e CC, 53.2 Pred. Uncertainty EXT, 614.8 Out FV, 722.2 NCπ⁰ QE, 26.4 NCπ⁰ DIS, 539.4 CCπ⁰, 1095.0 CC Other, 653.8 800 600 400 200 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

1.5

0.5

Angle between photons $\theta_{\gamma \gamma}$ [red]