NCpi0BDT_Np_bnb_8_pi0_costheta_all Event counts Σ Data/ Σ Prediction=0.68±0.16 $\chi^2/\text{ndf}=9.5/25$ Pred. Uncertainty EXT, 19.0 Out FV, 19.7 POT: 5.33e+19 POT: 5.33e+19 BNB Data, 208.0 Cosmic, 5.9 Dirt, 1.6 NC π^0 COH, 0.4 NC π^0 RES, 133.0 NC π^0 MEC, 0.1 CC π^0 , 50.8 CC Other, 28.6 70 $\begin{array}{c} \text{Out } \Gamma_{\text{V}}, 19.7 \\ \text{NC}\pi^{0} \text{ QE, } 2.0 \\ \text{NC}\pi^{0} \text{ DIS, } 29.5 \\ \text{NC}\pi^{0} \text{ other, } 0.0 \\ \text{NC Other, } 13.8 \\ \text{v}_{\text{e}}/\overline{\text{v}}_{\text{e}} \text{ CC, } 1.2 \\ \end{array}$ 60 50 40 30 20 10 1.8 1.6 1.4 1.2 0.8 0.6 0.4 0.2 0 Data/Pred Total Uncertainty Stat. + Flux + Cross Sec. -0.5 0.5 0

 $\pi^0 \cos \theta$