

NCpi0BDT_Np_bnb_12_pi0_costheta_all Event counts $\Sigma Data/\Sigma Prediction=0.76\pm0.17$ 600 $\chi^2/ndf=12.6/25$ POT: 6.37e+20 BNB Data, 2621.0 Pred. Uncertainty Cosmic, 81.6 EXT, 276.9 Dirt, 16.0 Out FV, 216.4 500 $NC\pi^0$ COH, 5.7 $NC\pi^0$ non-COH, 1766.5 $CC\pi^{0}$, 567.0 NC Other, 157.6 CC Other, 335.6 v_e/\overline{v}_e CC, 20.4 400 300 200 100 Data/Pred **Total Uncertainty** Stat. + Flux + Cross Sec. .4 0.8 0.6 0.4 0.2 0 -0.5 0.5 0 $\pi^0 \cos \bar{\theta}$