

## NCpi0BDT\_Np\_bnb\_12\_pi0\_momentum\_all Event counts 900 ΣData/ΣPrediction=0.76±0.18 $\chi^2/ndf=18.1/25$ POT: 6.37e+20 800 Pred. Uncertainty BNB Data, 2492.0 Cosmic, 78.7 EXT, 264.1 Dirt, 15.4 Out FV, 201.2 700 $NC\pi^0$ COH, 5.0 $NC\pi^0$ non-COH, 1699.7 $CC\pi^{0}$ , 544.0 NC Other, 143.2 600 CC Other, 301.6 $v_e/\overline{v}_e$ CC, 14.5 500 400 300 200 100 1.8 1.6 Data/Pred **Total Uncertainty** Stat. + Flux + Cross Sec. .4 .2 0.8 0.6 0.4 0.2 0 1200 1400 $\pi^0$ Momentum [MeV/c] 200 400 600 800 1000