NCpi0BDT\_0p\_bnb\_12\_pi0\_mass\_all 500 Event counts  $\Sigma$ Data/ $\Sigma$ Prediction=1.00±0.20 POT: 6.37e+20  $\chi^2/ndf = 23.2/29$ BNB Data, 3544.0 400 Pred. Uncertainty Cosmic, 92.4 EXT, 450.1 Dirt, 54.1 Out FV, 469.3 300  $NC\pi^0$  COH, 94.6  $NC\pi^0$  non-COH, 1476.1  $CC\pi^{0}$ , 556.6 NC Other, 126.2 200 CC Other, 198.4  $v_e/\overline{v}_e$  CC, 26.1 100 Data/Pred **Total Uncertainty** Stat. + Flux + Cross Sec. 0.8 0.6 0.4 0.2  $\frac{250}{\pi^0 \text{ mass } [\text{MeV/c}^2]} \frac{300}{1000}$ 50 100 150 200