generic\_0p\_bnb\_12\_reco\_nuvtxZ\_all Event counts ΣData/ΣPrediction=1.03±0.13 POT: 6.37e+20  $\chi^2$ /ndf=82.8/32 BNB Data, 107685.0 Pred. Uncertainty Cosmic, 4880.9 EXT, 26114.1 Dirt, 6046.1 Out FV, 7740.3  $NC\pi^{0}$  COH, 169.6  $NC\pi^0$  non-COH, 3461.9 10000  $CC\pi^{0}$ , 6521.7 NC Other, 3406.2 CC Other, 45775.1  $v_e/\overline{v}_e$  CC, 459.7 8000 6000 4000 2000 Data/Pred **Total Uncertainty** Stat. + Flux + Cross Sec.  $0.8 \\ 0.6 \\ 0.4 \\ 0.2 \\ 0$ 1000 ν Vertex Z [cm] 200 400 800 600