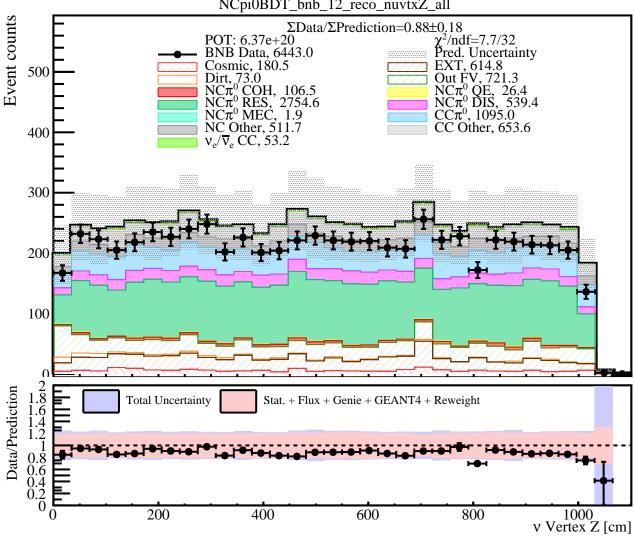
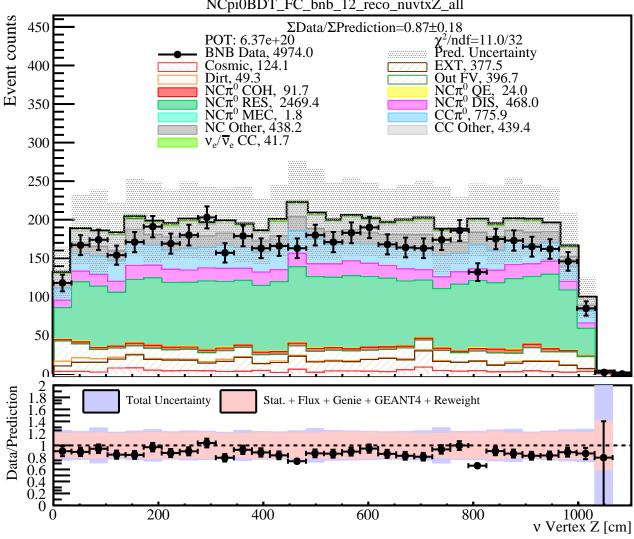
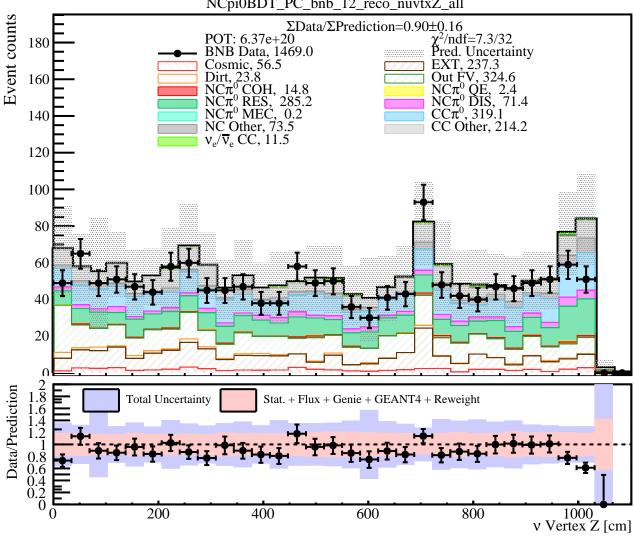
NCpi0BDT bnb 12 reco nuvtxZ all

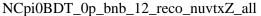


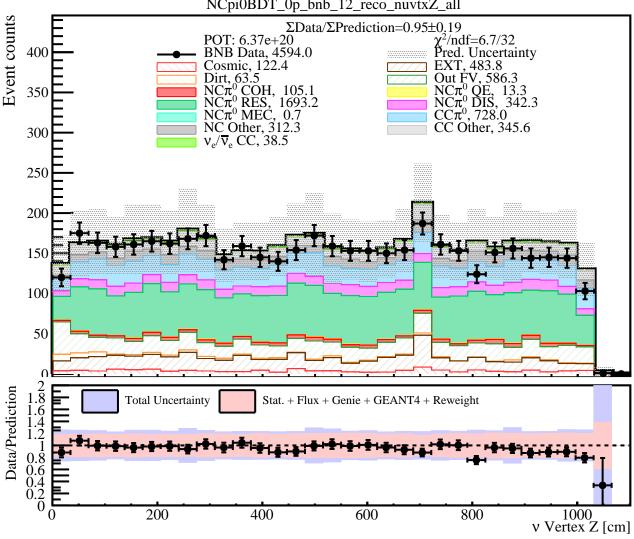
NCpi0BDT FC bnb 12 reco nuvtxZ all



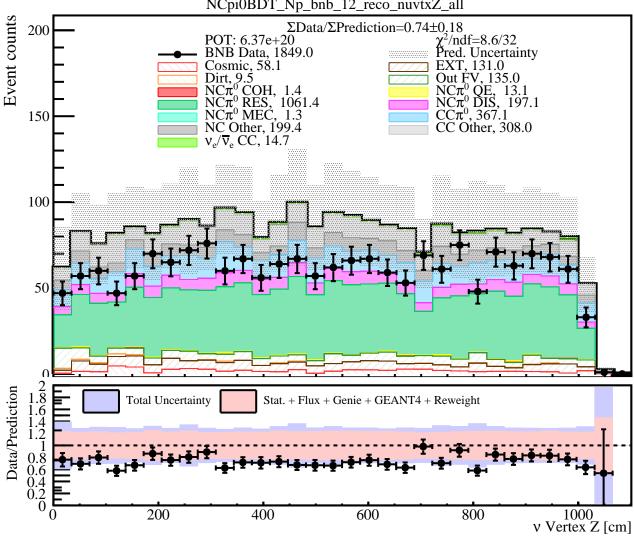
NCpi0BDT_PC_bnb_12_reco_nuvtxZ_all







NCpi0BDT_Np_bnb_12_reco_nuvtxZ_all



NCpi0BDT_FC_0p_bnb_12_reco_nuvtxZ_all Event counts 300 Σ Data/ Σ Prediction=0.96 \pm 0.20 $\chi^2/\text{ndf} = 8.7/32$ Pred. Uncertainty EXT, 283.4 Out FV, 340.6 POT: 6.37e+20 PO1: 6.37e+20BNB Data, 3522.0Cosmic, 83.2Dirt, 42.1NC π^0 COH, 90.4NC π^0 RES, 1519.1NC π^0 MEC, 0.6NC Other, 261.8250 NCπ⁰ QE, 11.9 NCπ⁰ DIS, 296.5 CCπ⁰, 502.1 CC Other, 218.0 v_e/\overline{v}_e CC, 31.4 200 150 100 50 1.8 1.6 Data/Prediction **Total Uncertainty** Stat. + Flux + Genie + GEANT4 + Reweight 1.4 1.2 0.6 0.4 0.2 0

400

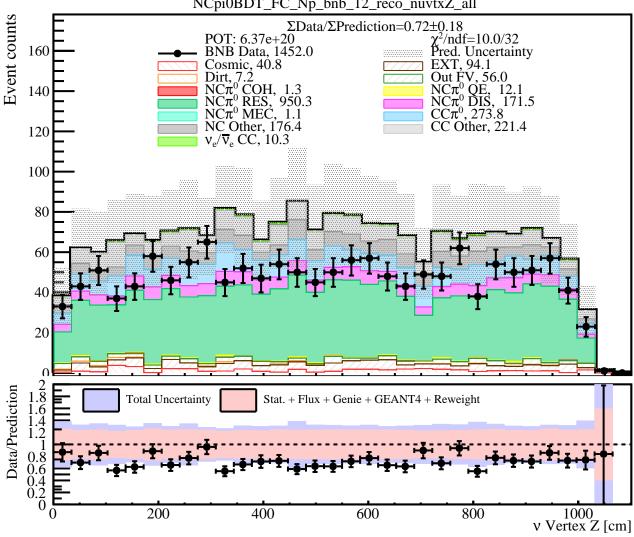
600

800

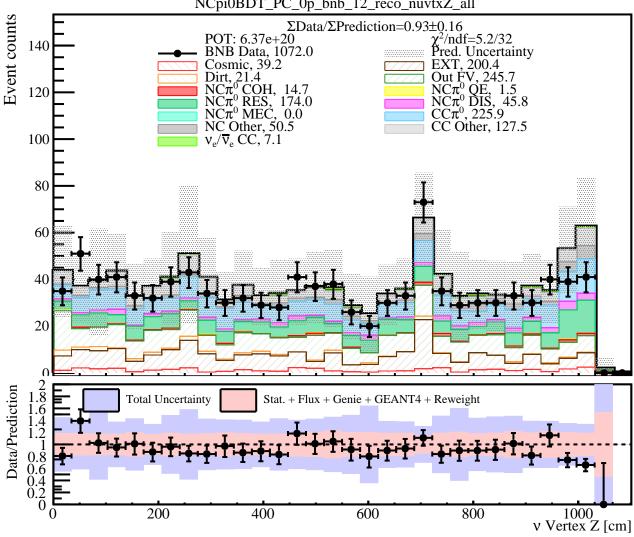
200

1000 ν Vertex Z [cm]

NCpi0BDT_FC_Np_bnb_12_reco_nuvtxZ_all



NCpi0BDT_PC_0p_bnb_12_reco_nuvtxZ_all



NCpi0BDT_PC_Np_bnb_12_reco_nuvtxZ_all

