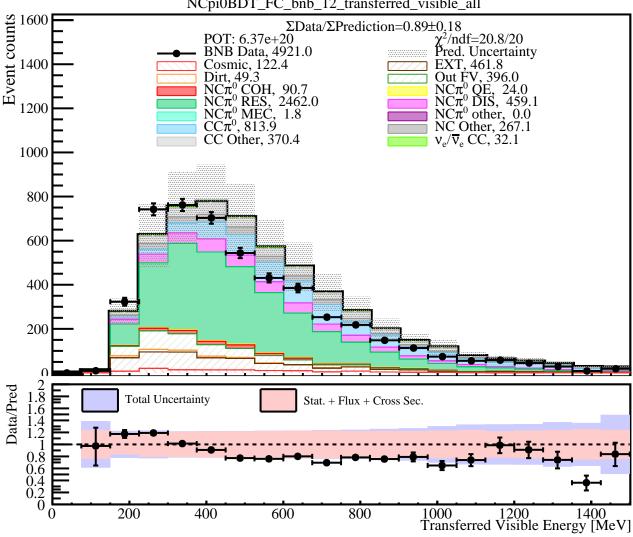
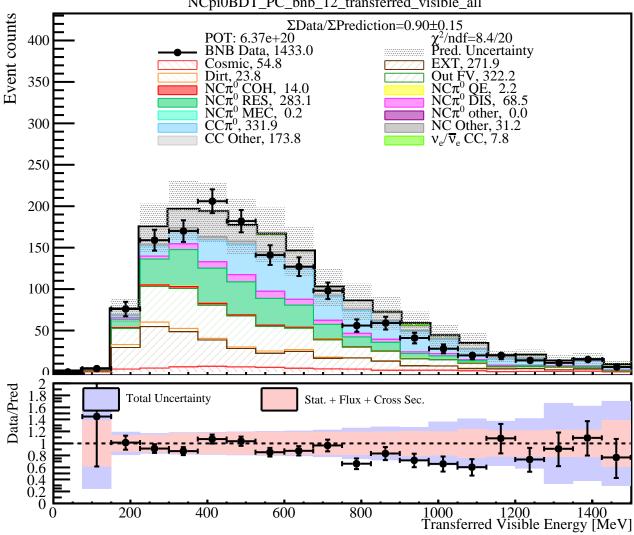
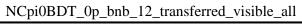


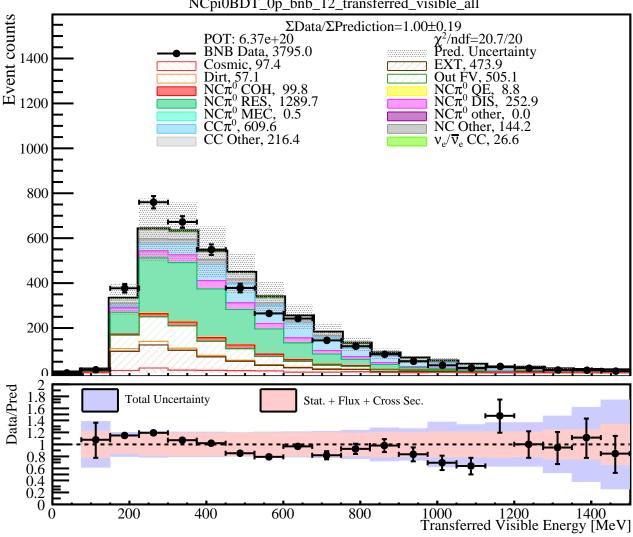
NCpi0BDT FC bnb 12 transferred visible all



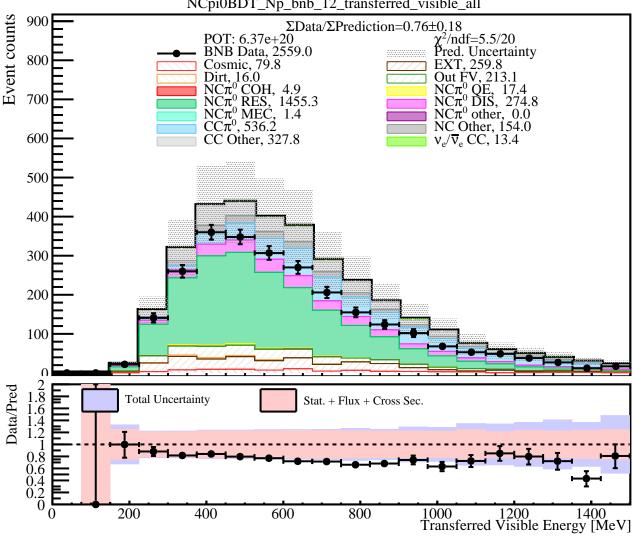
NCpi0BDT_PC_bnb_12_transferred_visible_all

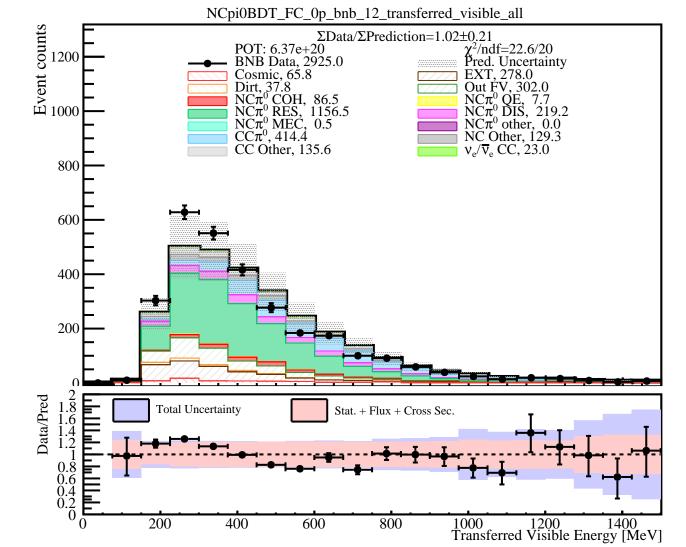




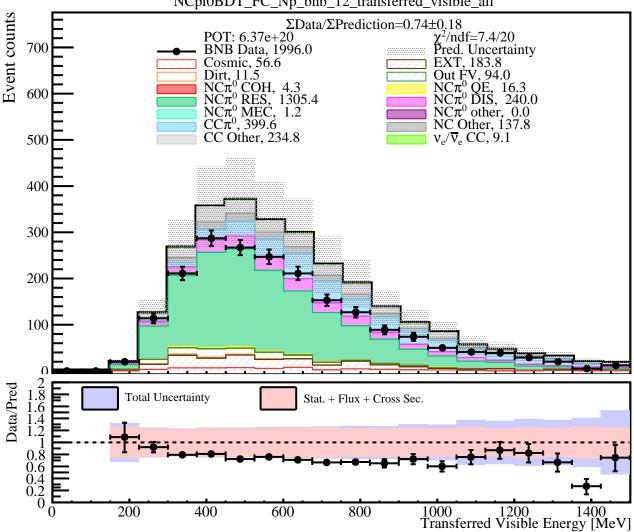


NCpi0BDT_Np_bnb_12_transferred_visible_all

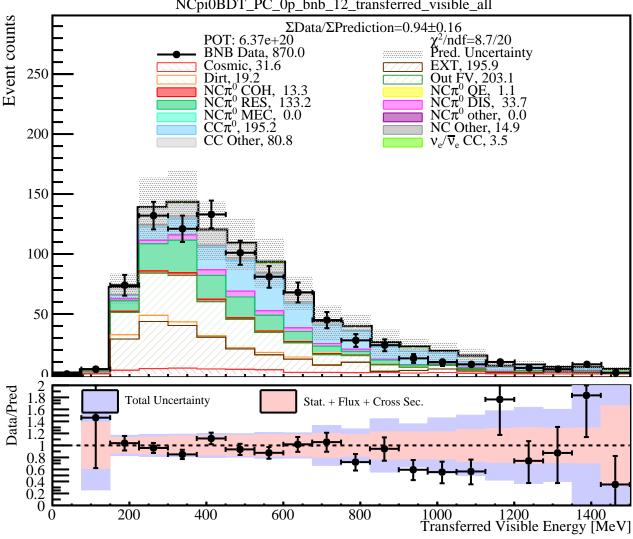




NCpi0BDT_FC_Np_bnb_12_transferred_visible_all ΣData/ΣPrediction=0.74±0.18



NCpi0BDT_PC_0p_bnb_12_transferred_visible_all



NCpi0BDT_PC_Np_bnb_12_transferred_visible_all ΣData/ΣPrediction=0.85±0.19 160 χ²/ndf=6.9/20 Pred. Uncertainty POT: 6.37e+20 PO1: 6.37e+20 BNB Data, 563.0 Cosmic, 23.1 Dirt, 4.5 NCπ⁰ COH, 0.6 NCπ⁰ RES, 149.9 NCπ⁰ MEC, 0.1 CCπ⁰, 136.7 EXT, 76.1 Out FV, 119.1 140 $NC\pi^{0}$ QE, 1.1 $NC\pi^{0}$ DIS, 34.8 $NC\pi^{0}$ other, 0.0 NC Other, 16.3 120 CC Other, 93.0 v_e/\overline{v}_e CC, 4.3 100 80 60 40 20 1.8 1.6 1.4 Total Uncertainty Stat. + Flux + Cross Sec. .4 $0.8 \\ 0.6 \\ 0.4 \\ 0.2 \\ 0$

400

600

800

200

1000 1200 1400 Transferred Visible Energy [MeV]

Event counts

Data/Pred