NCpi0BDT_bnb_12_reco_nuvtxY_all

ΣData/ΣPrediction=0.95±0.23

POT: 6.37e+20

χ^2/ndf=10.4/26

- BNB Data, 6436.0
- Pred. Uncertainty
- Cosmic, 173.5
- EXT, 753.9
- Dirt, 72.2
- Out FV, 677.2
- NCπ^0 COH, 115.6
- NCπ^0 QE, 18.9
- NCπ^0 RES, 2170.7
- NCπ^0 DIS, 472.7
- NCπ^0 MEC, 1.2
- CCπ^0, 1093.8
- NC Other, 514.9
- CC Other, 653.4
- $\nu_e/\bar{\nu}_e$ CC, 53.2

Event counts

Data/Prediction

Total Uncertainty

Stat. + Flux + Cross Sec. + Reweight

ν Vertex Y [cm]
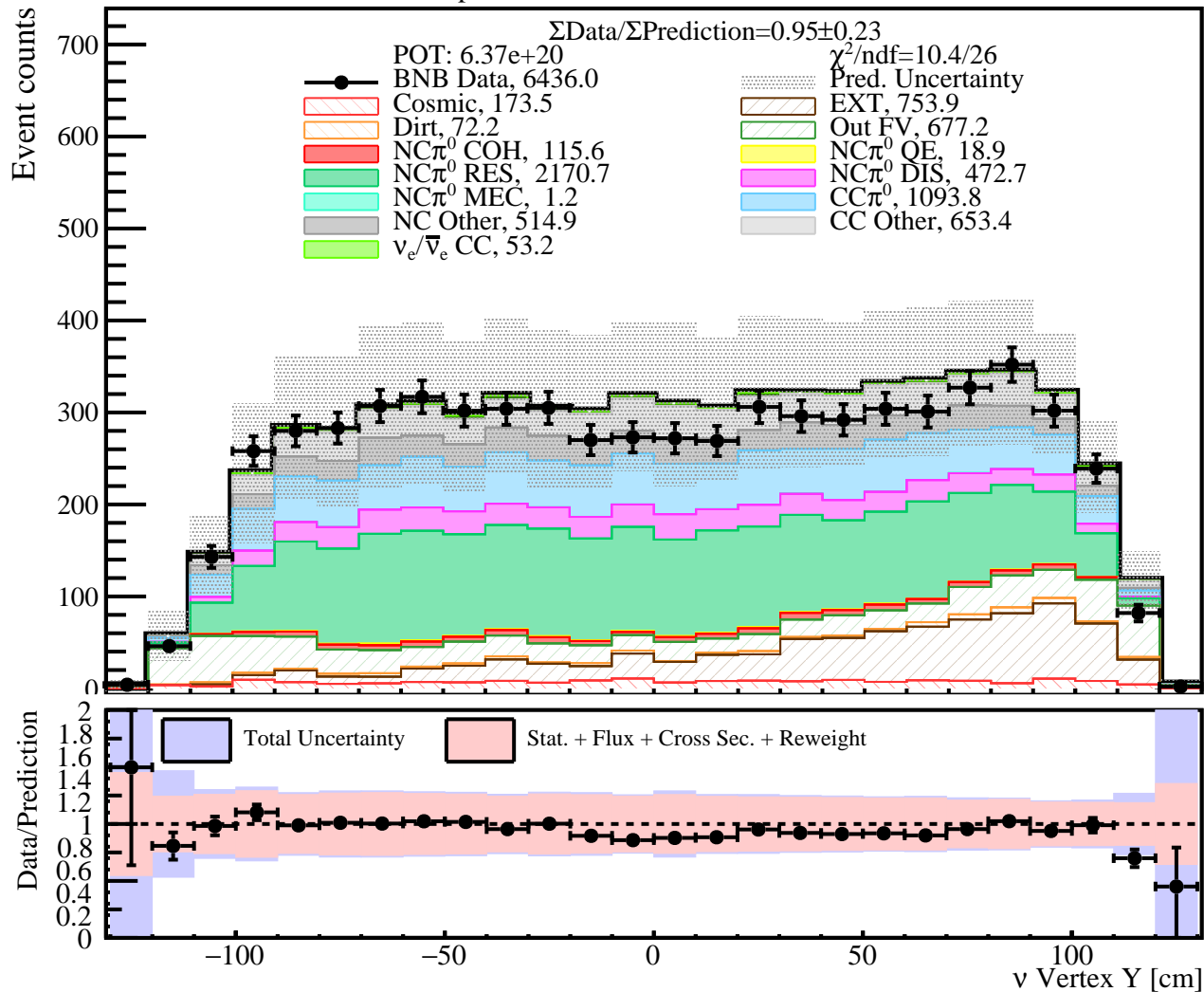
NCpi0BDT_FC_bnb_12_reco_nuvtxY_all

$\Sigma Data/\Sigma Prediction=0.96\pm0.25$

POT: 6.37e+20

$\chi^2/ndf=10.1/26$

- BNB Data, 4967.0
- Cosmic, 119.4
- Dirt, 48.8
- NCπ^0 COH, 99.8
- NCπ^0 RES, 1950.5
- NCπ^0 MEC, 1.1
- NC Other, 444.7
- $\nu_e/\bar{\nu}_e$ CC, 41.7

Pred. Uncertainty
EXT, 466.8
Out FV, 368.9
NCπ^0 QE, 17.0
NCπ^0 DIS, 405.8
CCπ^0, 775.0
CC Other, 439.1

Event counts

Data/Prediction

Total Uncertainty

Stat. + Flux + Cross Sec. + Reweight
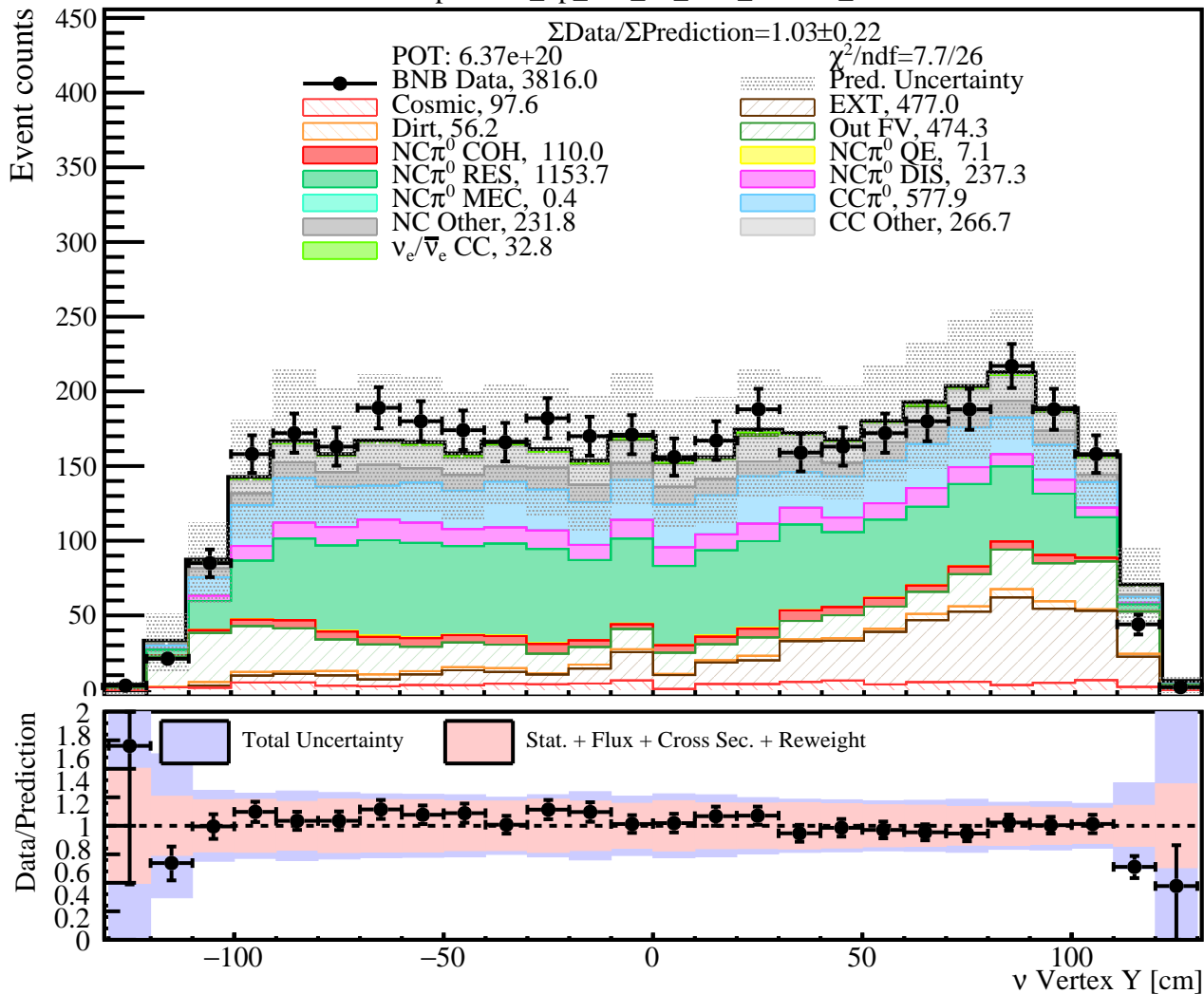
ν Vertex Y [cm]
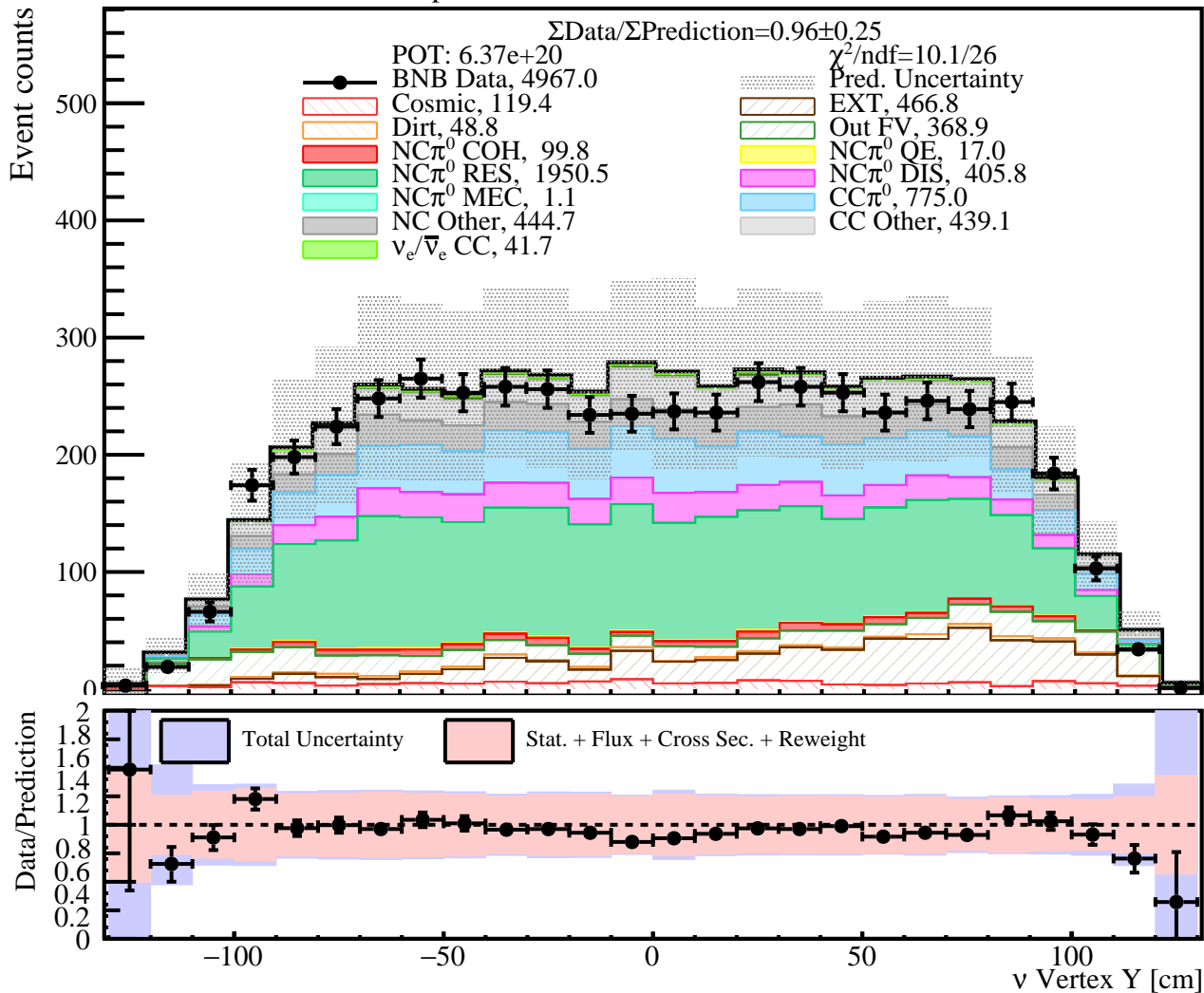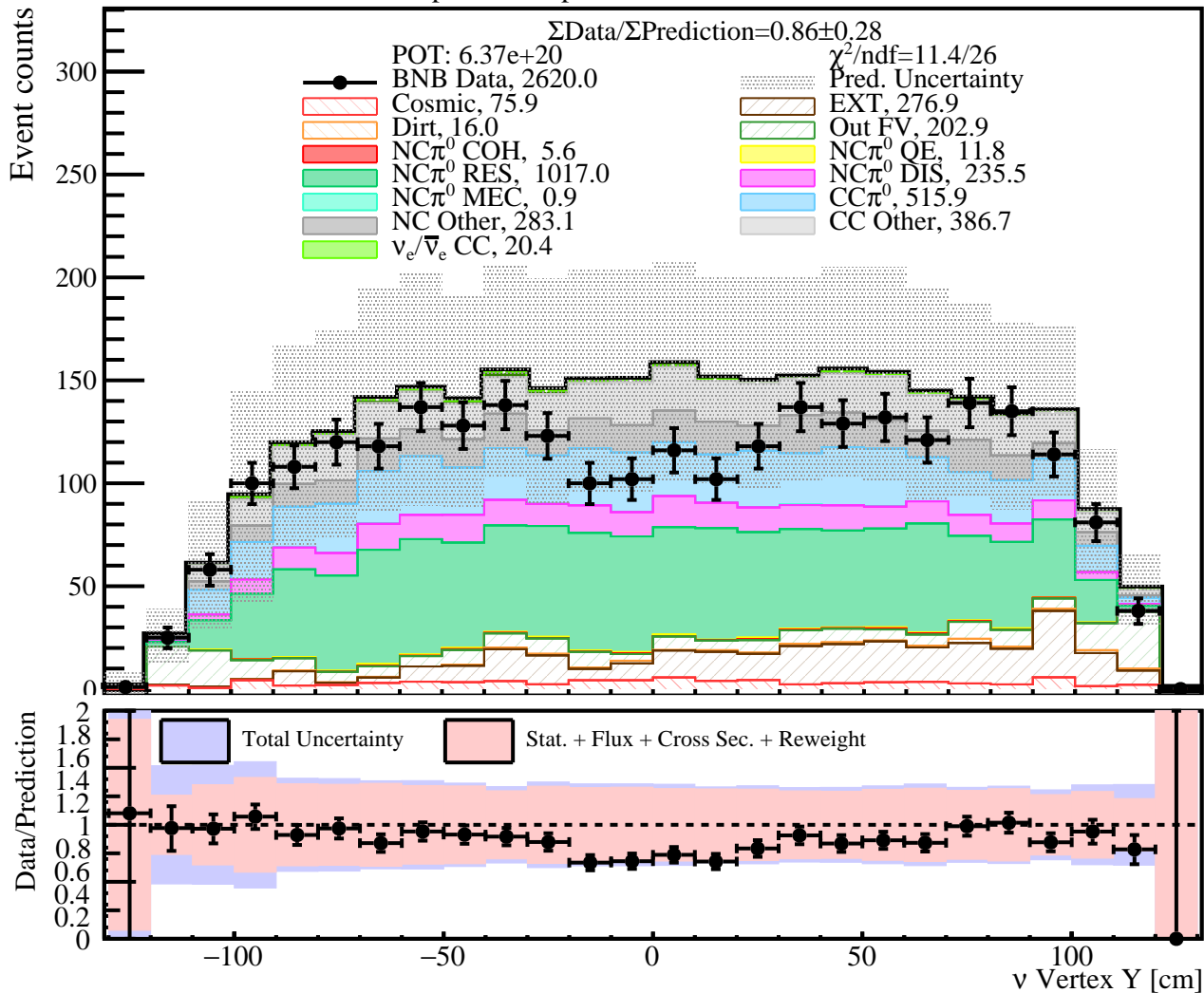
NCpi0BDT_PC_bnb_12_reco_nuvtxY_all
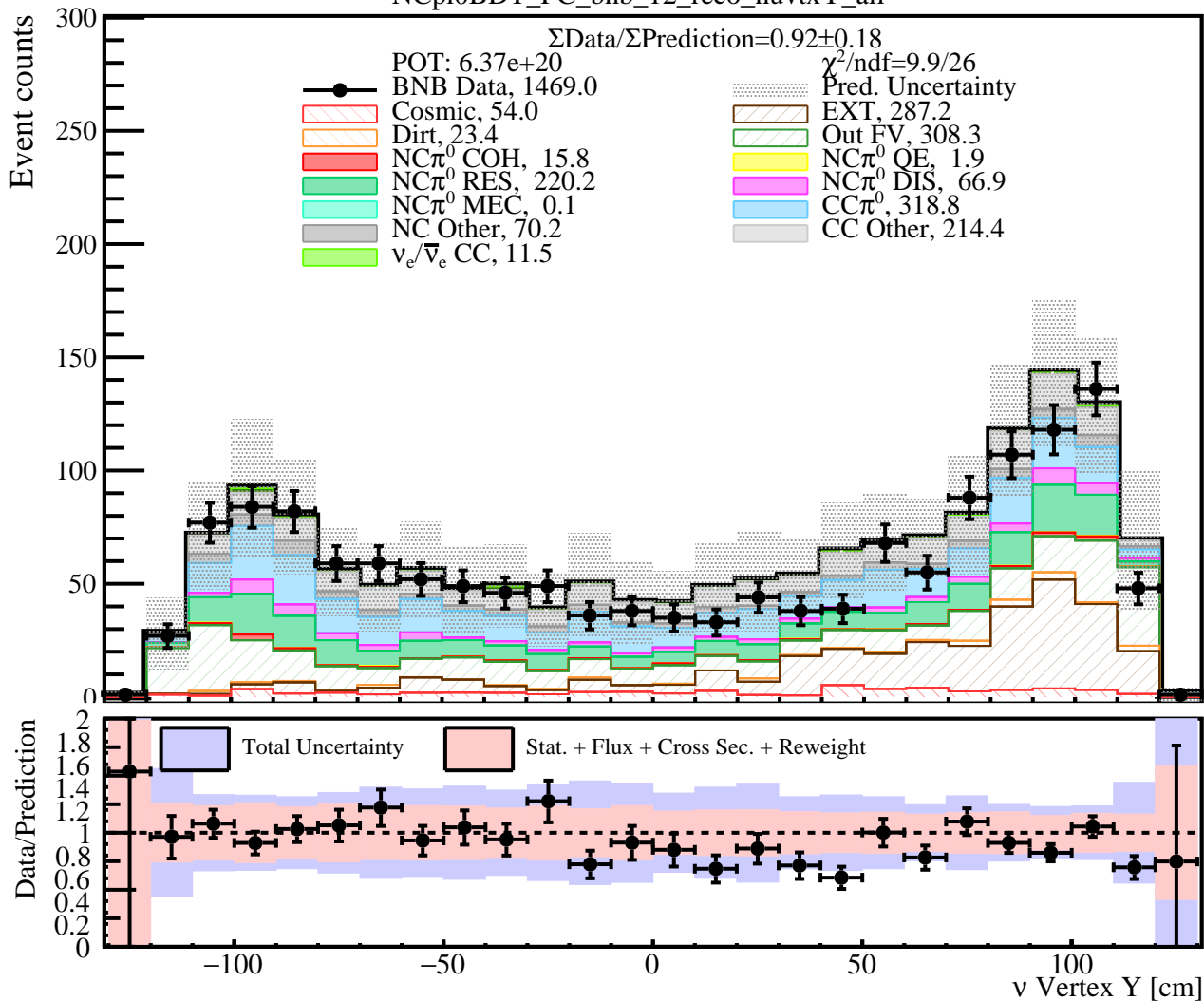
NCpi0BDT_0p_bnb_12_reco_nuvtxY_all

NCpi0BDT_Np_bnb_12_reco_nuvtxY_all

ΣData/ΣPrediction=0.86±0.28

POT: 6.37e+20

χ^2/ndf=11.4/26

- BNB Data, 2620.0
- Cosmic, 75.9
- Dirt, 16.0
- NCπ^0 COH, 5.6
- NCπ^0 RES, 1017.0
- NCπ^0 MEC, 0.9
- NC Other, 283.1
- ν_e/$\overline{\nu}_e$ CC, 20.4

- Pred. Uncertainty
- EXT, 276.9
- Out FV, 202.9
- NCπ^0 QE, 11.8
- NCπ^0 DIS, 235.5
- CCπ^0, 515.9
- CC Other, 386.7

Event counts

Data/Prediction

Total Uncertainty

Stat. + Flux + Cross Sec. + Reweight

ν Vertex Y [cm]

NCpi0BDT_FC_0p_bnb_12_reco_nuvtxY_all
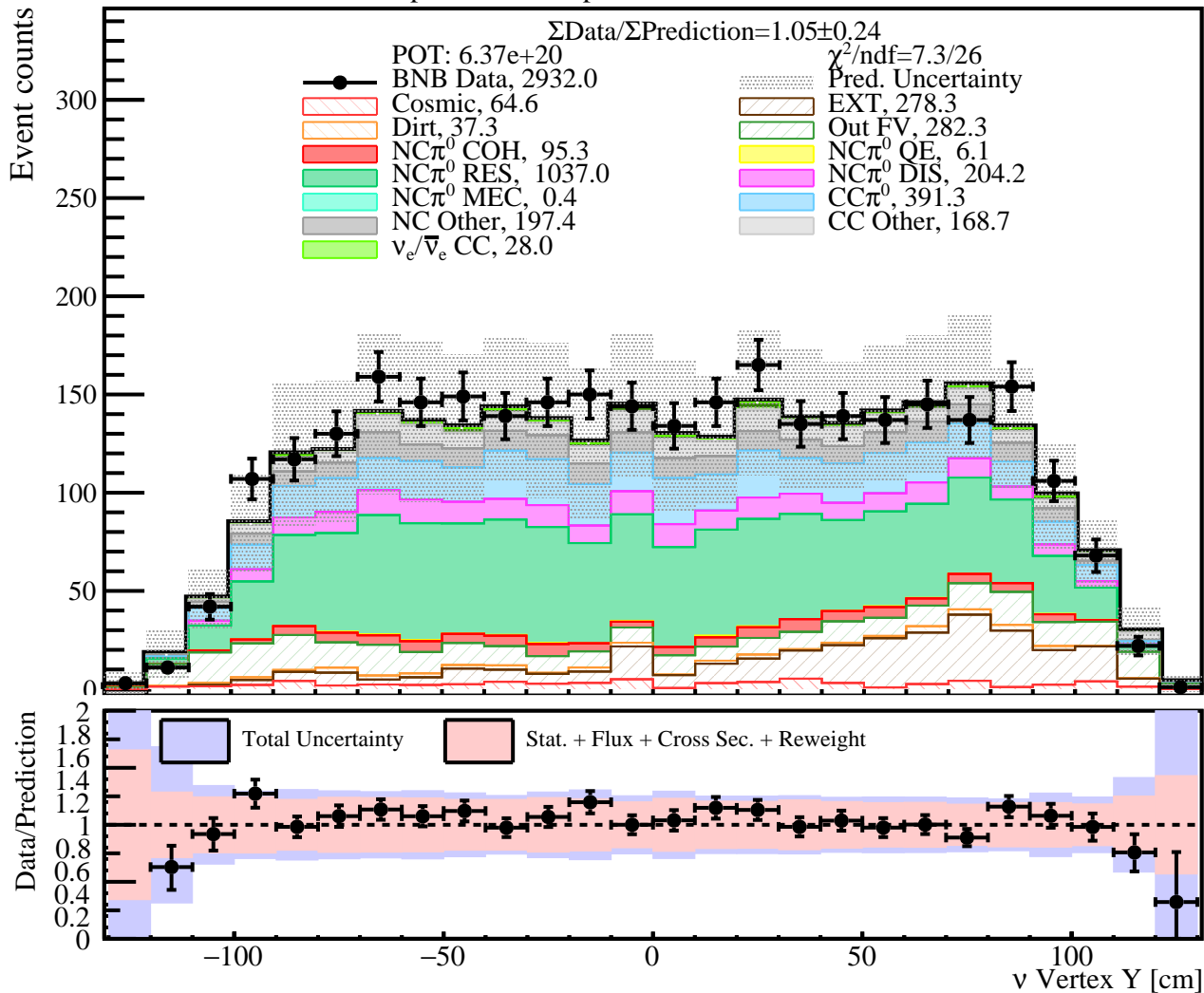
NCpi0BDT_FC_Np_bnb_12_reco_nuvtxY_all

ΣData/ΣPrediction=0.85$\pm$0.30

POT: 6.37e+20

χ^2/ndf=11.2/26

- BNB Data, 2035.0
- Cosmic, 54.8
- Dirt, 11.5
- NCπ^0 COH, 4.4
- NCπ^0 RES, 913.4
- NCπ^0 MEC, 0.8
- NC Other, 247.3
- $\nu_e/\bar{\nu}_e$ CC, 13.8
- Pred. Uncertainty
- EXT, 188.4
- Out FV, 86.6
- NCπ^0 QE, 10.9
- NCπ^0 DIS, 201.6
- CCπ^0, 383.8
- CC Other, 270.4

Event counts

Data/Prediction

Total Uncertainty

Stat. + Flux + Cross Sec. + Reweight

ν Vertex Y [cm]
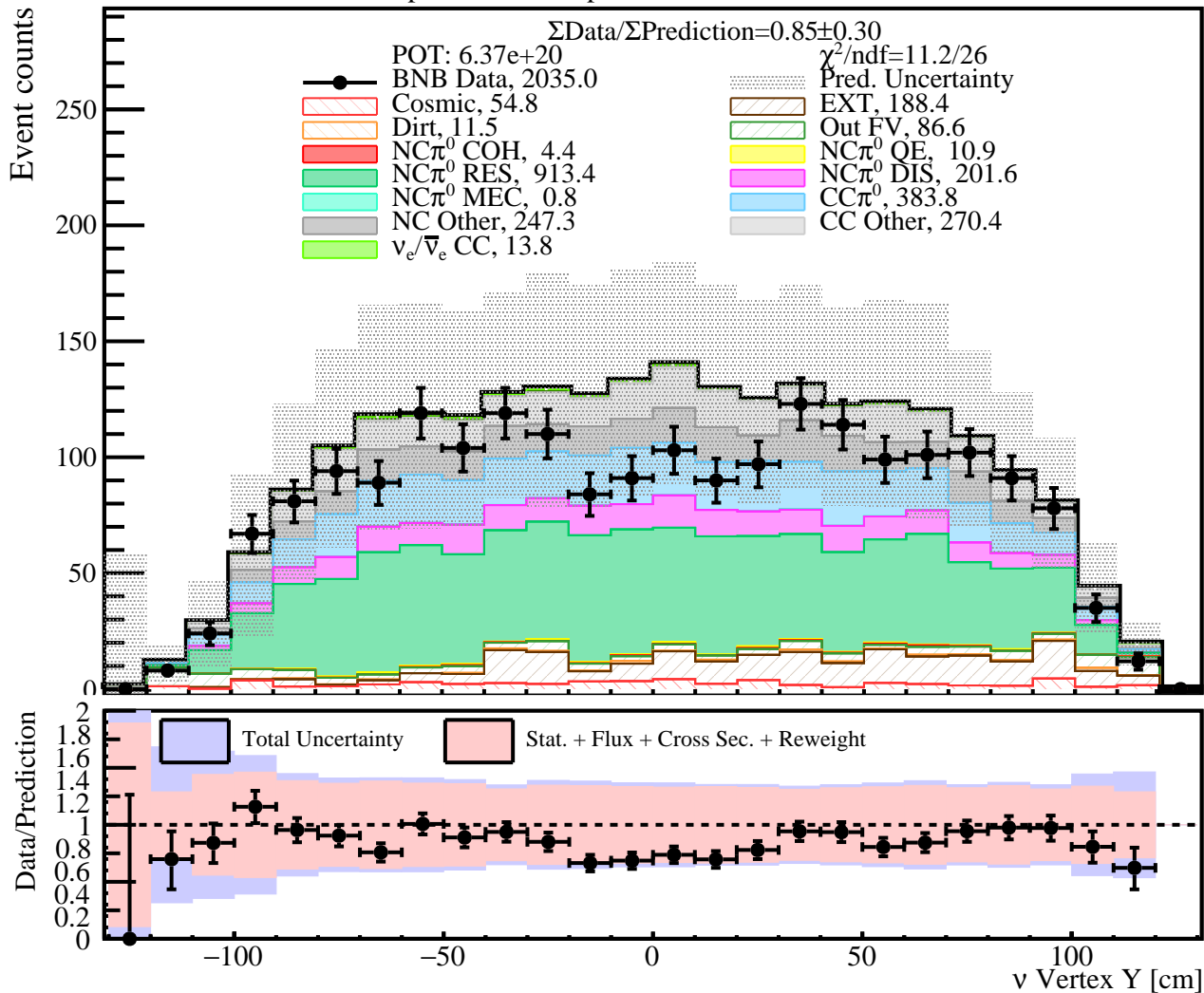
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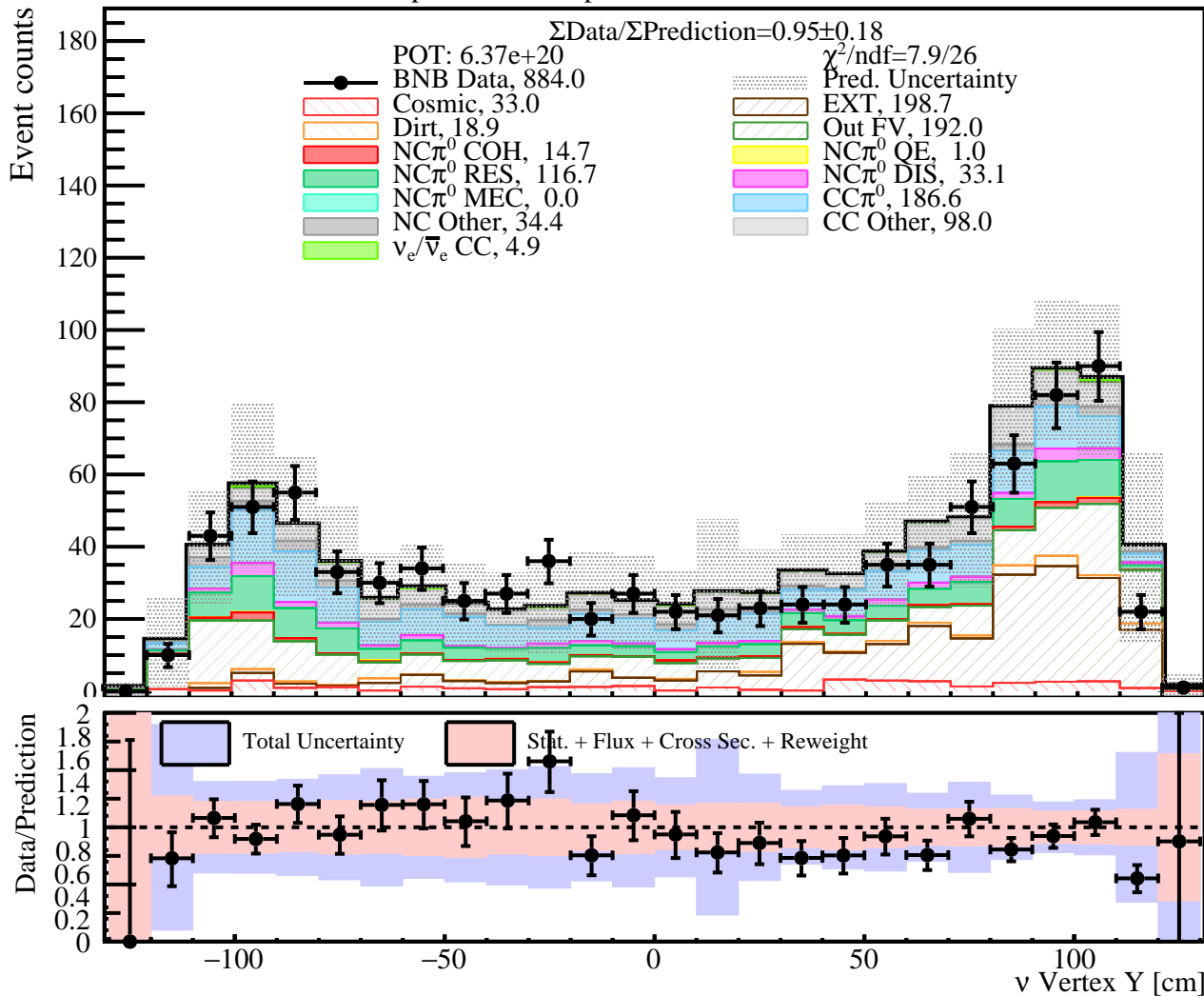
NCpi0BDT_PC_Np_bnb_12_reco_nuvtxY_all