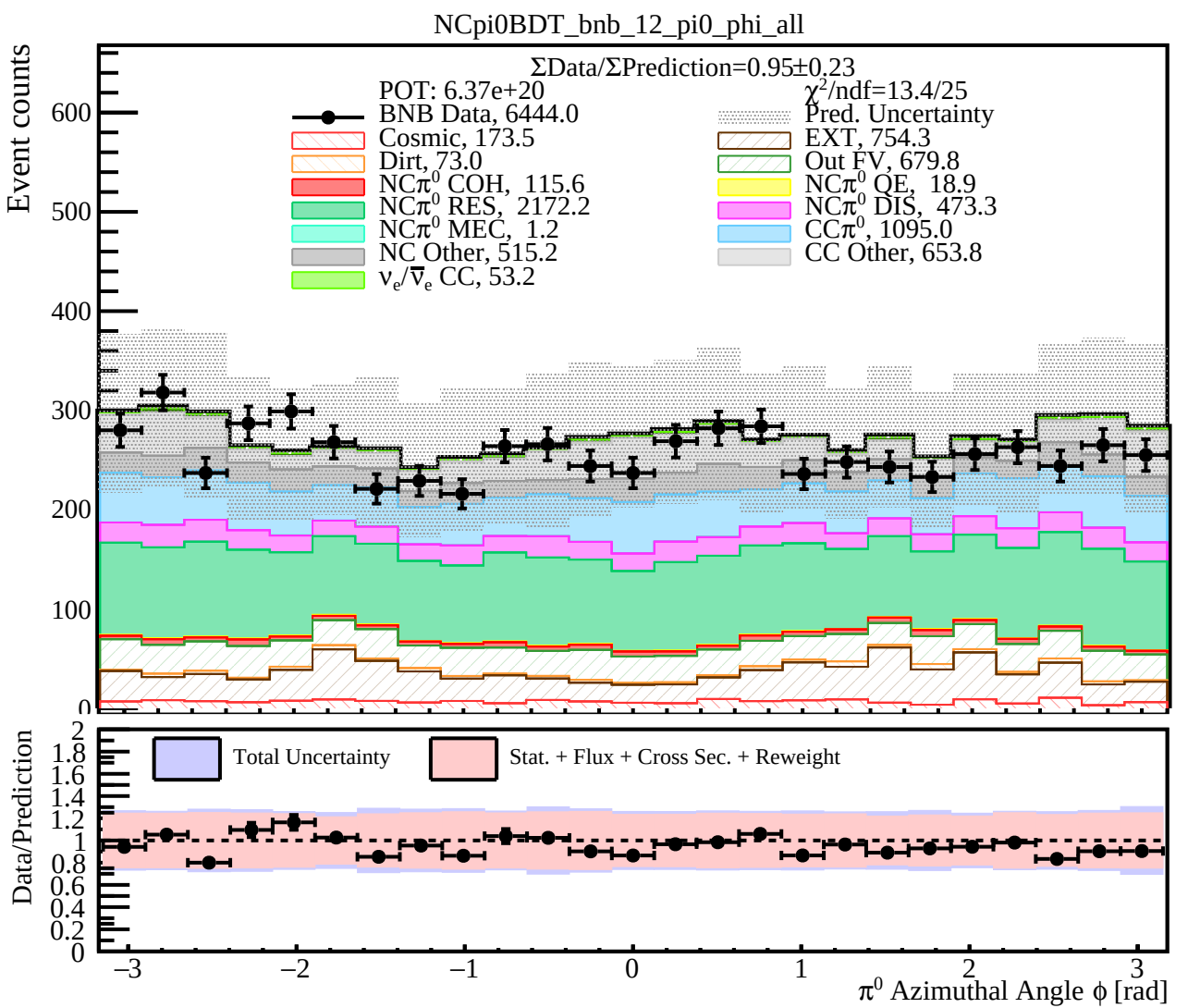
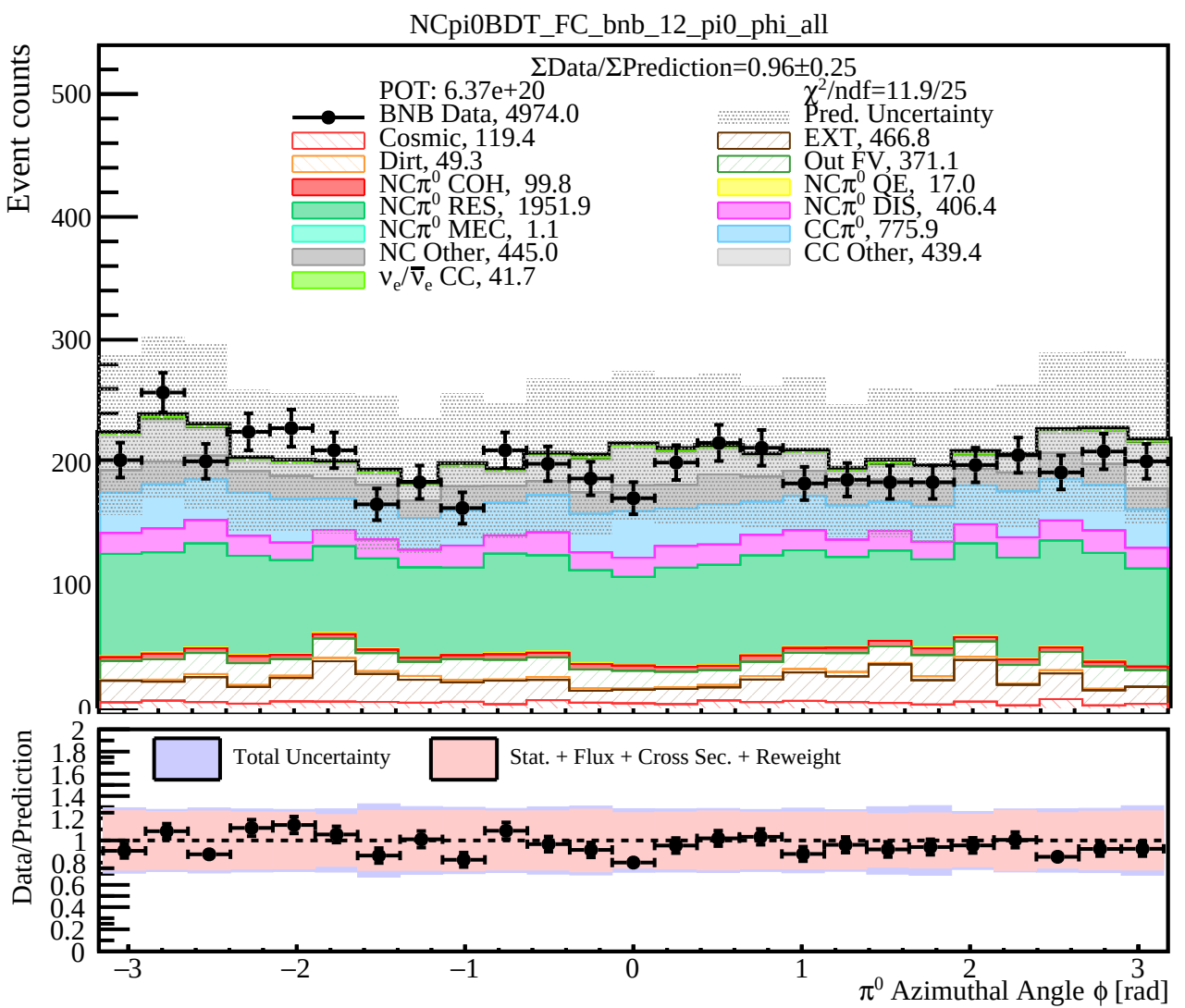
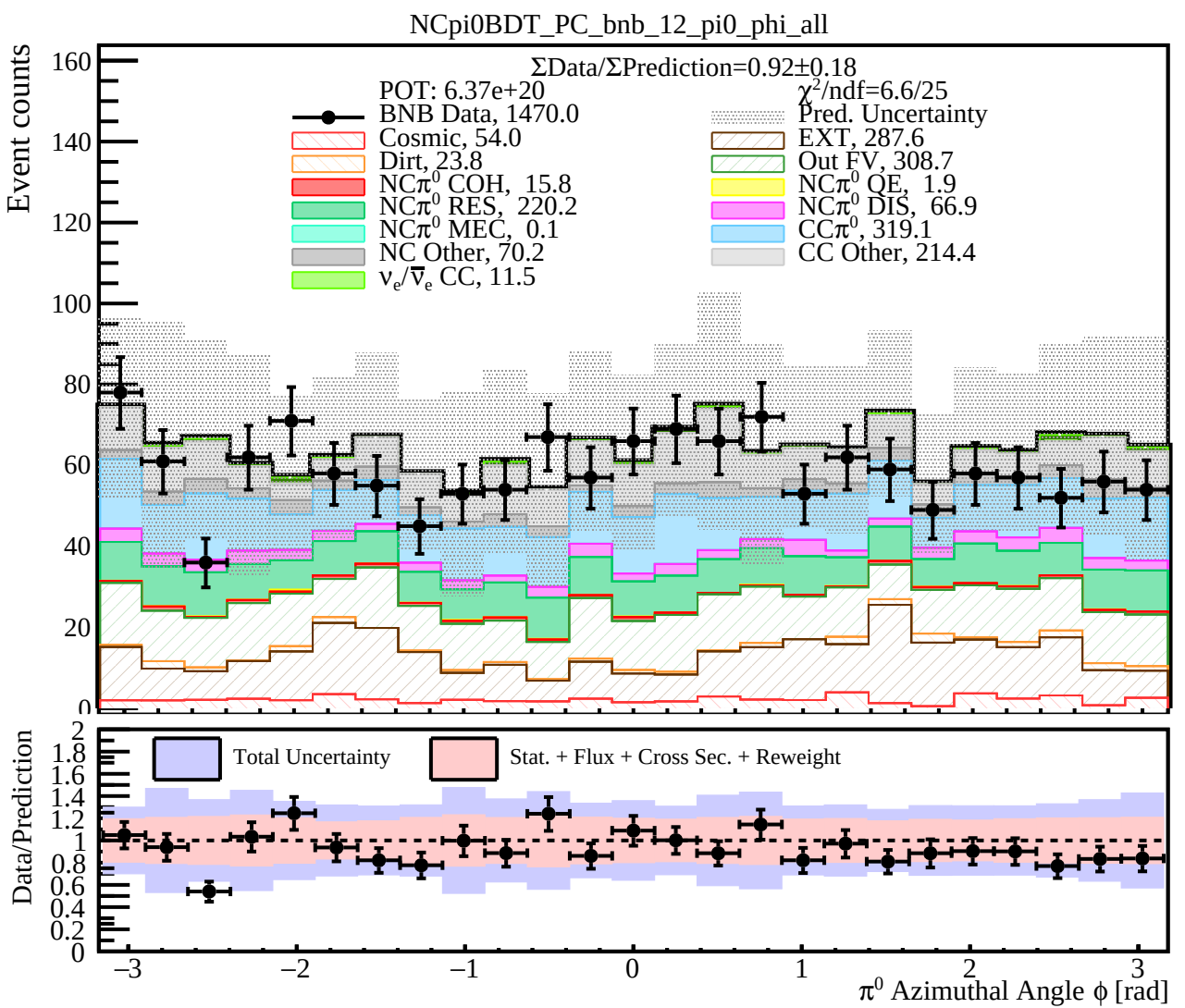
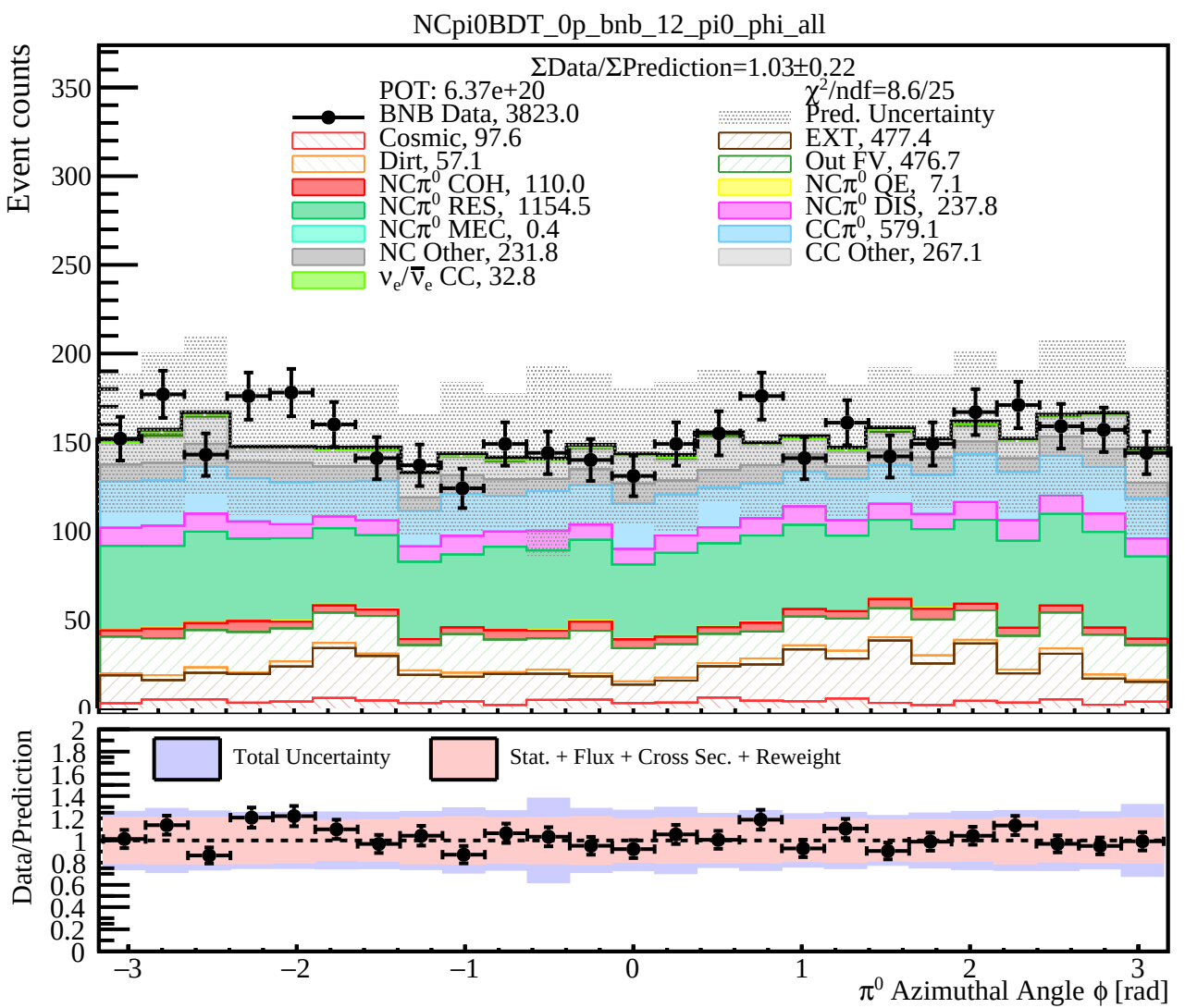
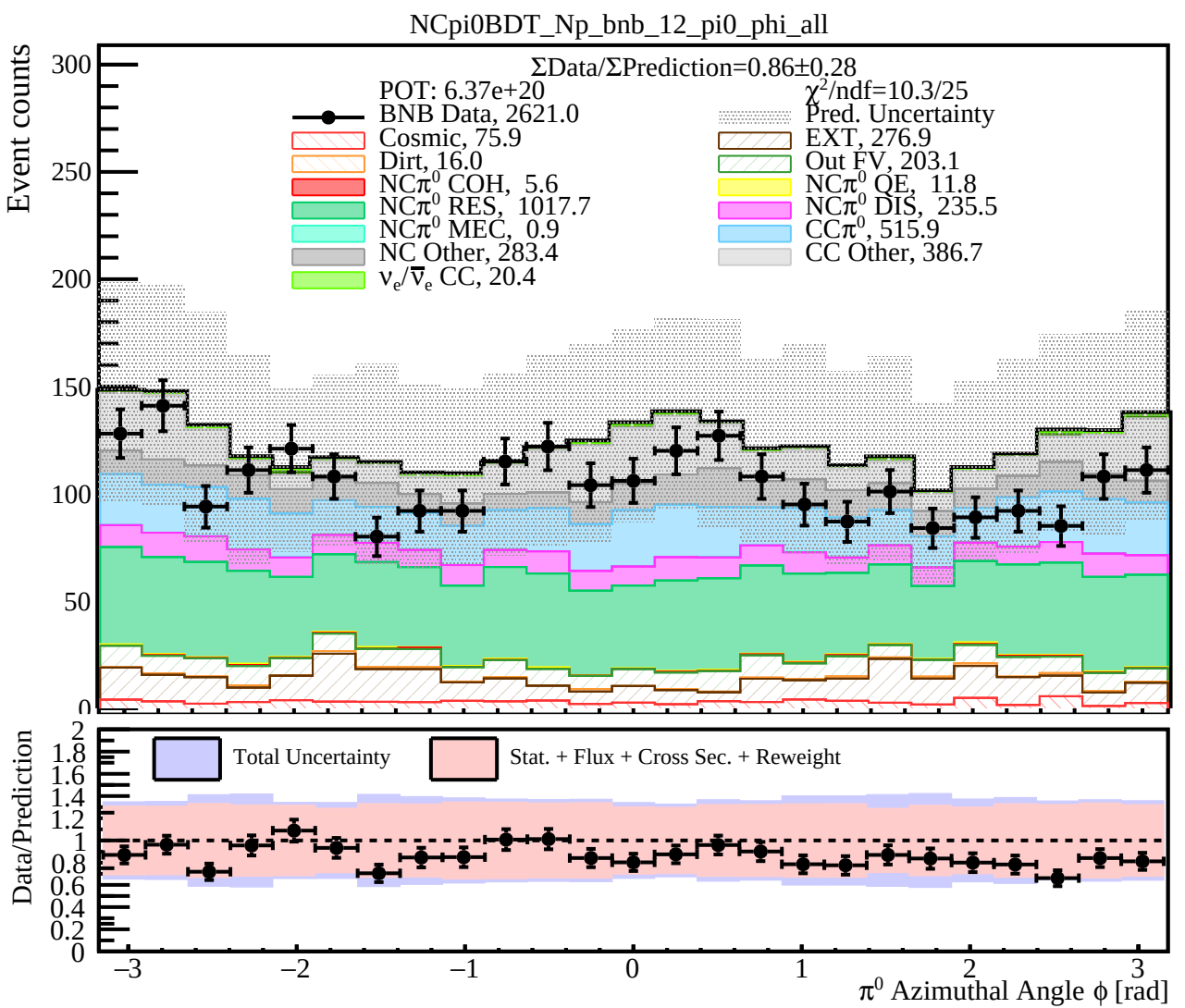
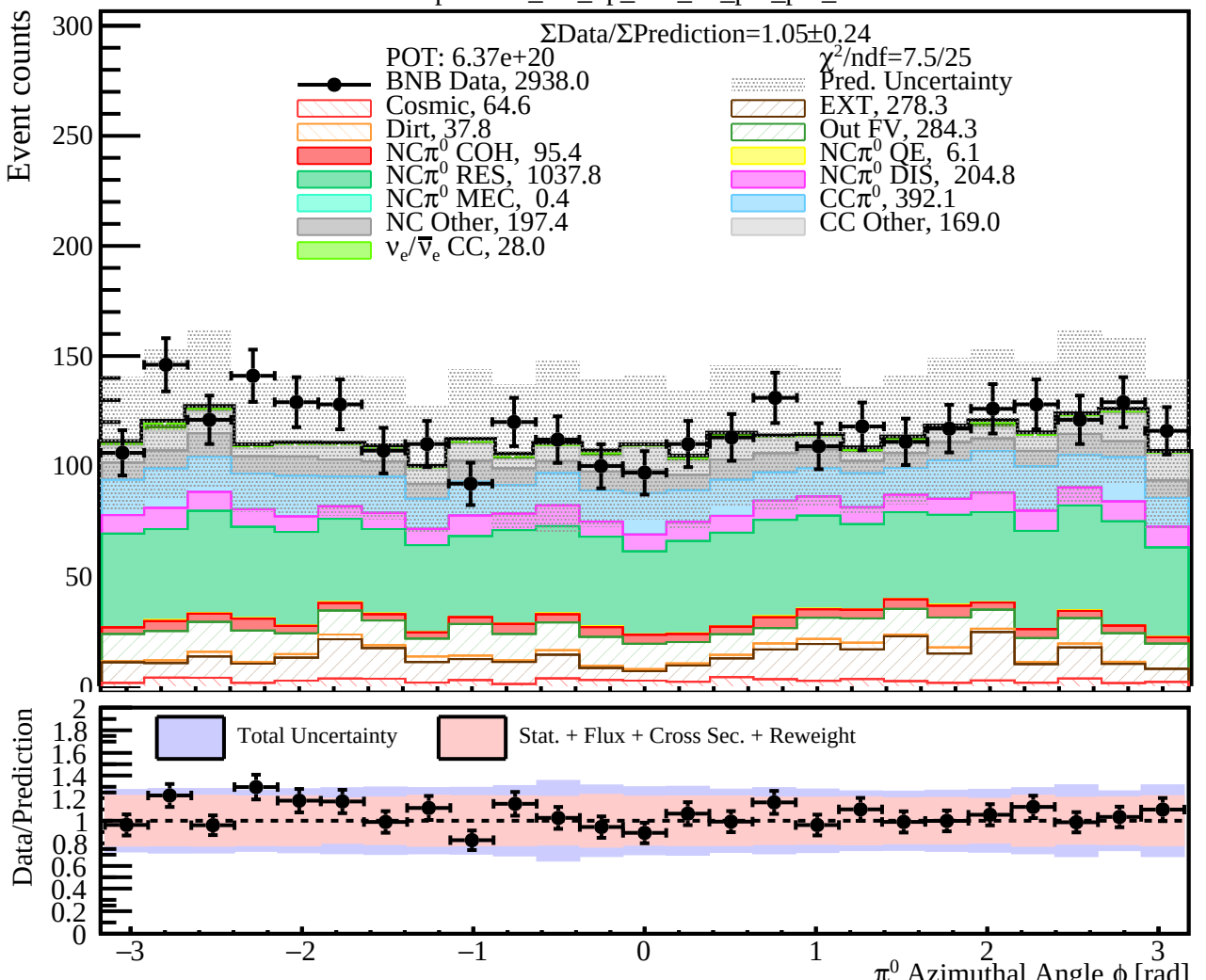

NCpi0BDT_bnb_12_pi0_phi_all
ΣData/ΣPrediction=0.95±0.23
POT: 6.37e+20
χ²/ndf=13.4/25
BNB Data, 6444.0
Pred. Uncertainty
Cosmic, 173.5
EXT, 754.3
Dirt, 73.0
Out FV, 679.8
NCπ⁰ COH, 115.6
NCπ⁰ QE, 18.9
NCπ⁰ RES, 2172.2
NCπ⁰ DIS, 473.3
NCπ⁰ MEC, 1.2
CCπ⁰, 1095.0
NC Other, 515.2
CC Other, 653.8
νe/ν̄e CC, 53.2
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π⁰ Azimuthal Angle ϕ [rad]

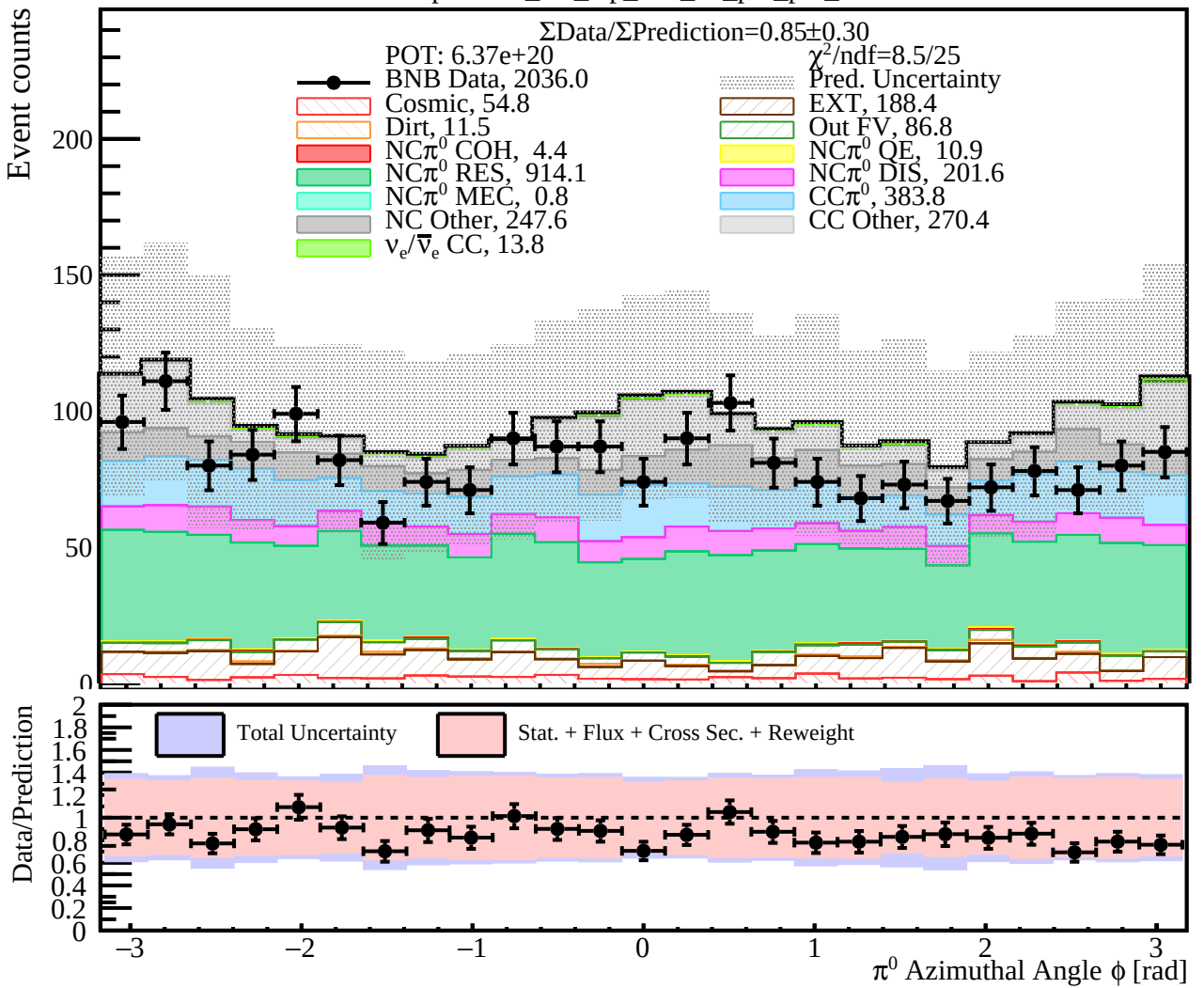

NCpi0BDT_FC_bnb_12_pi0_phi_all
ΣData/ΣPrediction=0.96±0.25
POT: 6.37e+20
χ²/ndf=11.9/25
BNB Data, 4974.0
Pred. Uncertainty
Cosmic, 119.4
EXT, 466.8
Dirt, 49.3
Out FV, 371.1
NCπ⁰ COH, 99.8
NCπ⁰ QE, 17.0
NCπ⁰ RES, 1951.9
NCπ⁰ DIS, 406.4
NCπ⁰ MEC, 1.1
CCπ⁰, 775.9
NC Other, 445.0
CC Other, 439.4
νe/ν̄e CC, 41.7
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π⁰ Azimuthal Angle ϕ [rad]

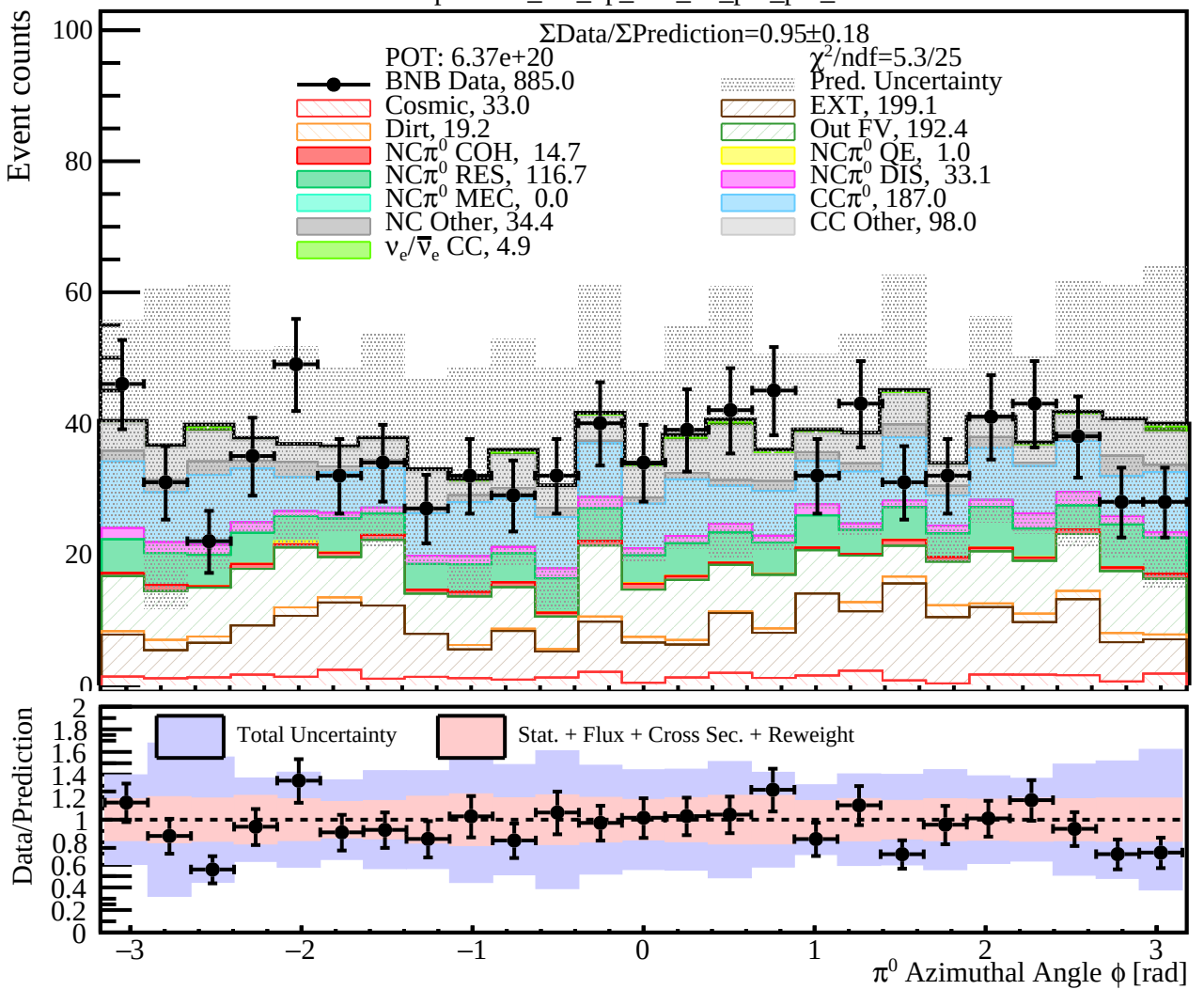

NCpi0BDT_PC_bnb_12_pi0_phi_all
ΣData/ΣPrediction=0.92±0.18
POT: 6.37e+20
BNB Data, 1470.0
Cosmic, 54.0
Dirt, 23.8
NCπ0 COH, 15.8
NCπ0 RES, 220.2
NCπ0 MEC, 0.1
NC Other, 70.2
νe/ν̄e CC, 11.5
χ2/ndf=6.6/25
Pred. Uncertainty
EXT, 287.6
Out FV, 308.7
NCπ0 QE, 1.9
NCπ0 DIS, 66.9
CCπ0, 319.1
CC Other, 214.4
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π0 Azimuthal Angle ϕ [rad]

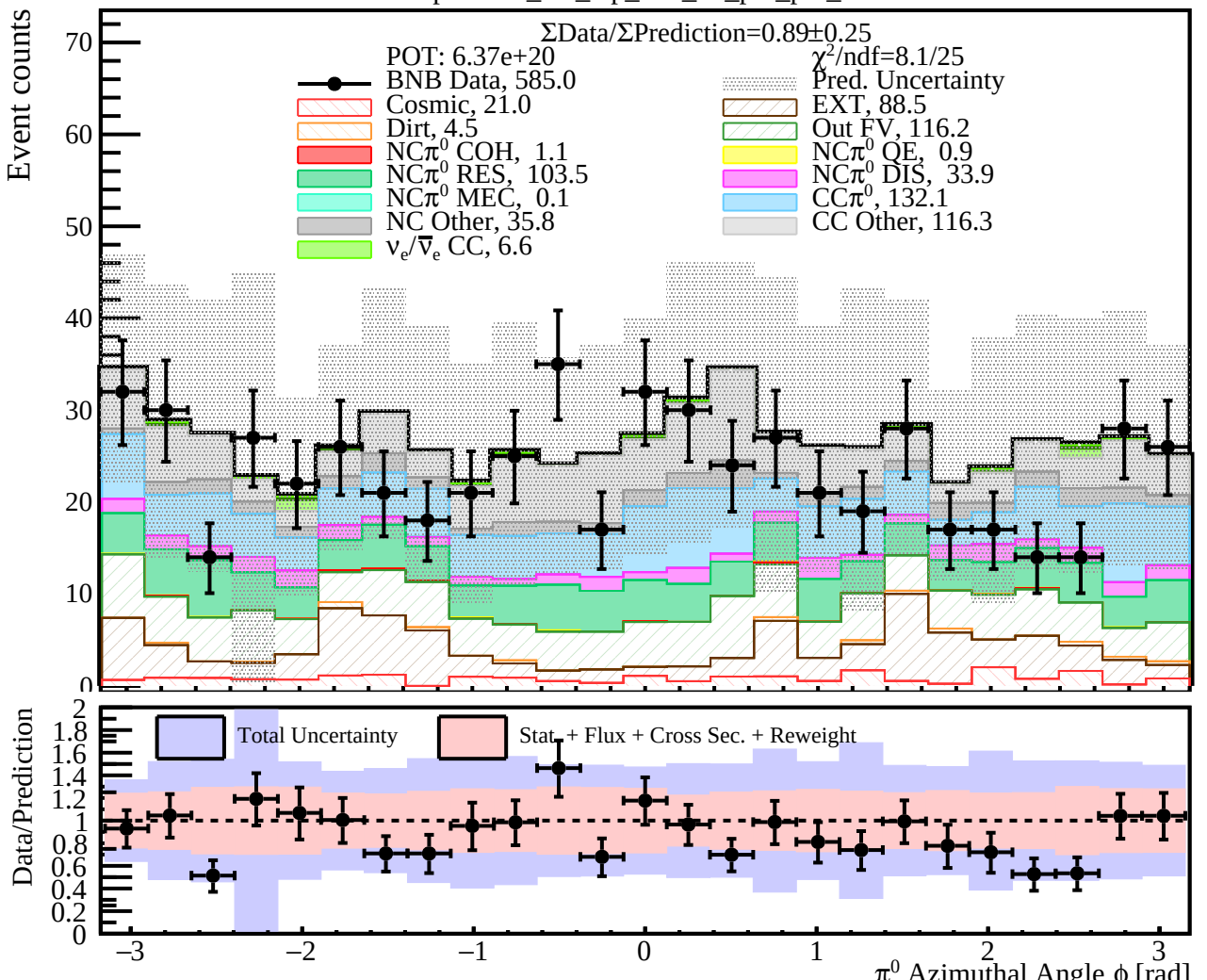

NCpi0BDT_0p_bnb_12_pi0_phi_all
ΣData/ΣPrediction=1.03±0.22
POT: 6.37e+20
χ²/ndf=8.6/25
BNB Data, 3823.0
Pred. Uncertainty
Cosmic, 97.6
EXT, 477.4
Dirt, 57.1
Out FV, 476.7
NCπ⁰ COH, 110.0
NCπ⁰ QE, 7.1
NCπ⁰ RES, 1154.5
NCπ⁰ DIS, 237.8
NCπ⁰ MEC, 0.4
CCπ⁰, 579.1
NC Other, 231.8
CC Other, 267.1
νe/ν̄e CC, 32.8
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π⁰ Azimuthal Angle ϕ [rad]


NCpi0BDT_Np_bnb_12_pi0_phi_all
ΣData/ΣPrediction=0.86±0.28
POT: 6.37e+20
χ²/ndf=10.3/25
BNB Data, 2621.0
Pred. Uncertainty
Cosmic, 75.9
EXT, 276.9
Dirt, 16.0
Out FV, 203.1
NCπ⁰ COH, 5.6
NCπ⁰ QE, 11.8
NCπ⁰ RES, 1017.7
NCπ⁰ DIS, 235.5
NCπ⁰ MEC, 0.9
CCπ⁰, 515.9
NC Other, 283.4
CC Other, 386.7
νe/ν̄e CC, 20.4
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π⁰ Azimuthal Angle ϕ [rad]


NCpi0BDT_FC_0p_bnb_12_pi0_phi_all
ΣData/ΣPrediction=1.05±0.24
POT: 6.37e+20
χ²/ndf=7.5/25
BNB Data, 2938.0
Pred. Uncertainty
Cosmic, 64.6
EXT, 278.3
Dirt, 37.8
Out FV, 284.3
NCπ⁰ COH, 95.4
NCπ⁰ QE, 6.1
NCπ⁰ RES, 1037.8
NCπ⁰ DIS, 204.8
NCπ⁰ MEC, 0.4
CCπ⁰, 392.1
NC Other, 197.4
CC Other, 169.0
νe/ν̄e CC, 28.0
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π⁰ Azimuthal Angle ϕ [rad]


NCpi0BDT_FC_Np_bnb_12_pi0_phi_all
ΣData/ΣPrediction=0.85±0.30
POT: 6.37e+20
χ²/ndf=8.5/25
BNB Data, 2036.0
Pred. Uncertainty
Cosmic, 54.8
EXT, 188.4
Dirt, 11.5
Out FV, 86.8
NCπ⁰ COH, 4.4
NCπ⁰ QE, 10.9
NCπ⁰ RES, 914.1
NCπ⁰ DIS, 201.6
NCπ⁰ MEC, 0.8
CCπ⁰, 383.8
NC Other, 247.6
CC Other, 270.4
νe/ν̄e CC, 13.8
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π⁰ Azimuthal Angle ϕ [rad]


NCpi0BDT_PC_0p_bnb_12_pi0_phi_all
ΣData/ΣPrediction=0.95±0.18
POT: 6.37e+20
χ²/ndf=5.3/25
BNB Data, 885.0
Pred. Uncertainty
Cosmic, 33.0
EXT, 199.1
Dirt, 19.2
Out FV, 192.4
NCπ⁰ COH, 14.7
NCπ⁰ QE, 1.0
NCπ⁰ RES, 116.7
NCπ⁰ DIS, 33.1
NCπ⁰ MEC, 0.0
CCπ⁰, 187.0
NC Other, 34.4
CC Other, 98.0
νe/ν̄e CC, 4.9
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π⁰ Azimuthal Angle ϕ [rad]


NCpi0BDT_PC_Np_bnb_12_pi0_phi_all
ΣData/ΣPrediction=0.89±0.25
POT: 6.37e+20
χ²/ndf=8.1/25
BNB Data, 585.0
Pred. Uncertainty
Cosmic, 21.0
EXT, 88.5
Dirt, 4.5
Out FV, 116.2
NCπ⁰ COH, 1.1
NCπ⁰ QE, 0.9
NCπ⁰ RES, 103.5
NCπ⁰ DIS, 33.9
NCπ⁰ MEC, 0.1
CCπ⁰, 132.1
NC Other, 35.8
CC Other, 116.3
νe/ν̄e CC, 6.6
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
π⁰ Azimuthal Angle ϕ [rad]