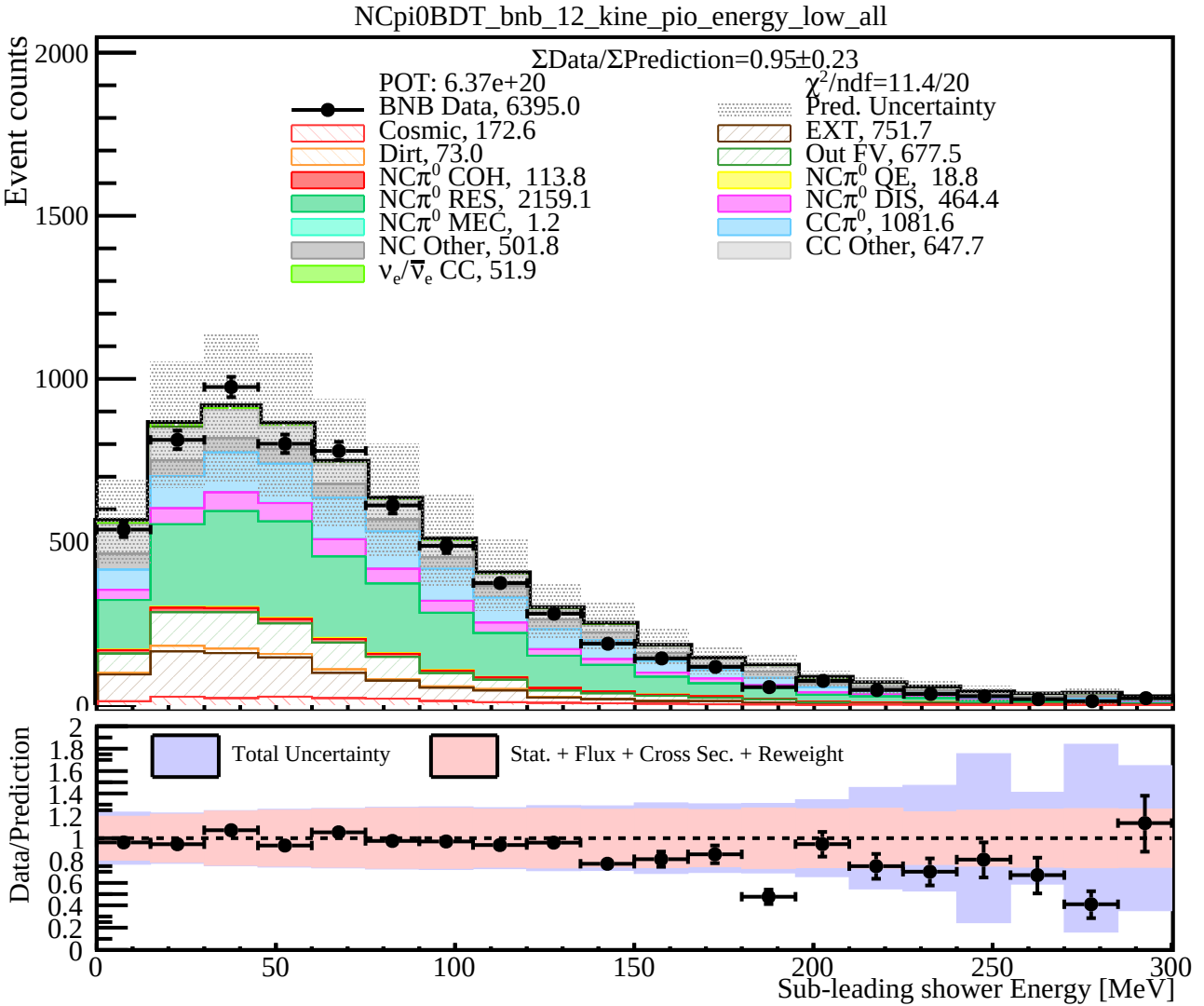
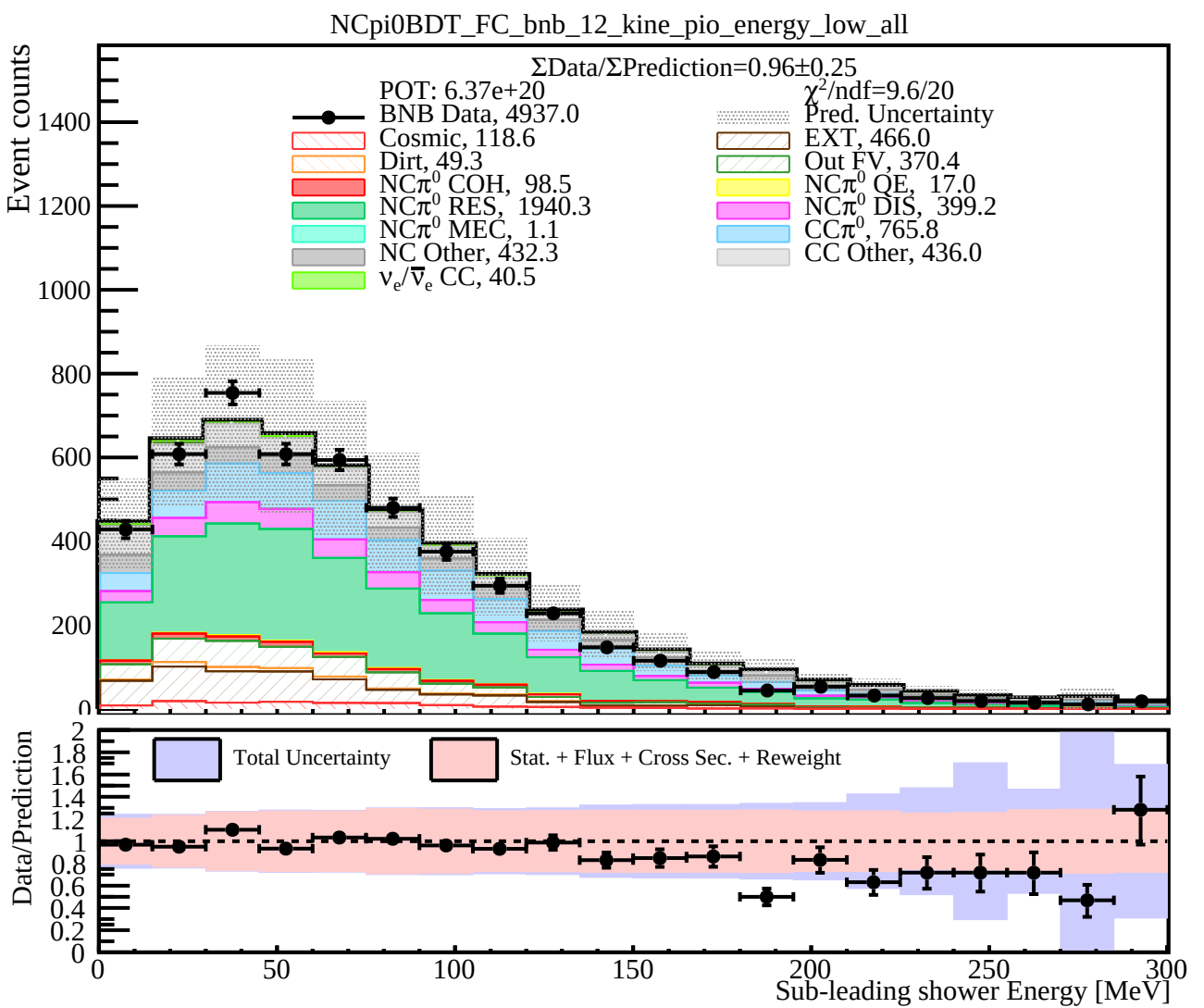
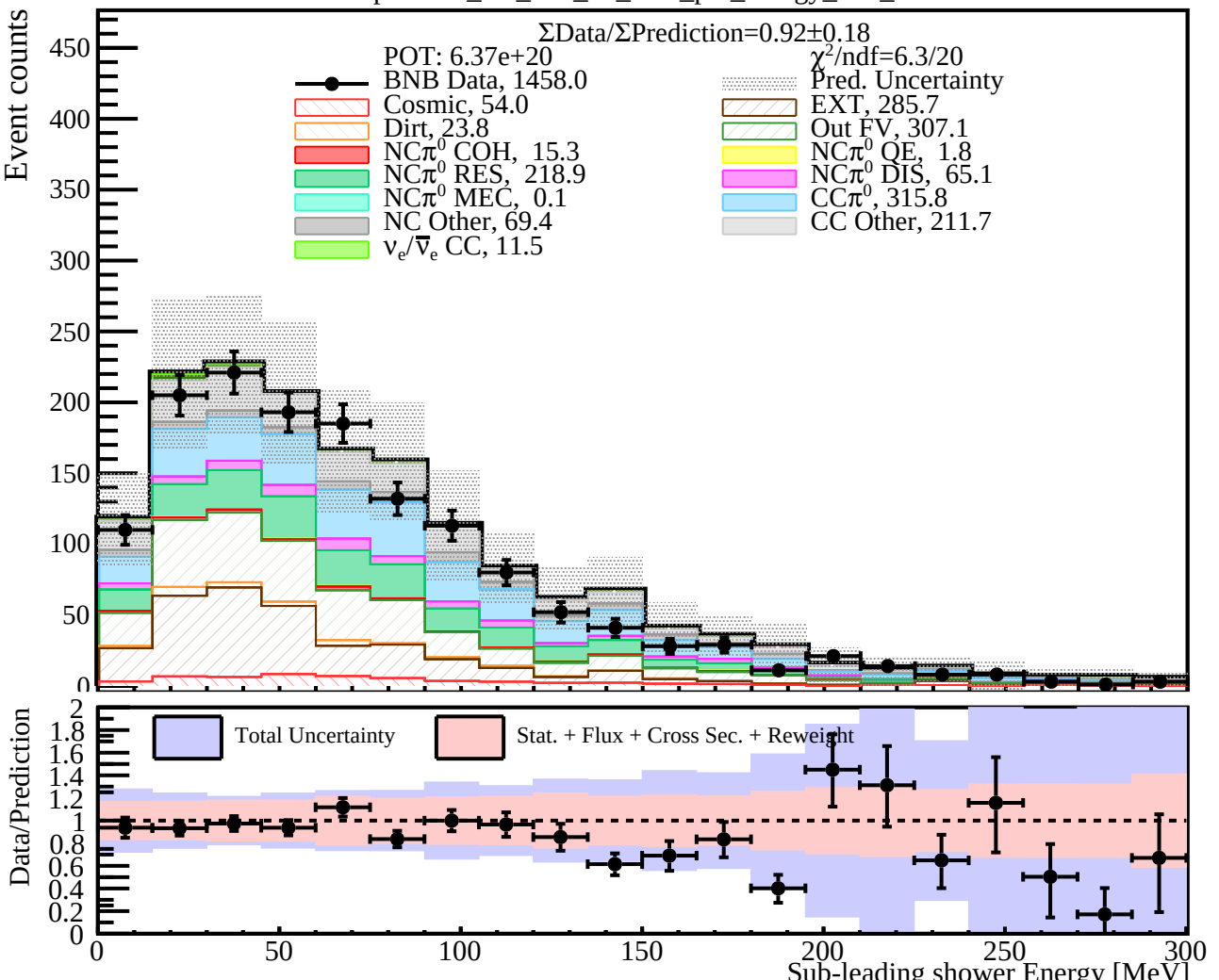
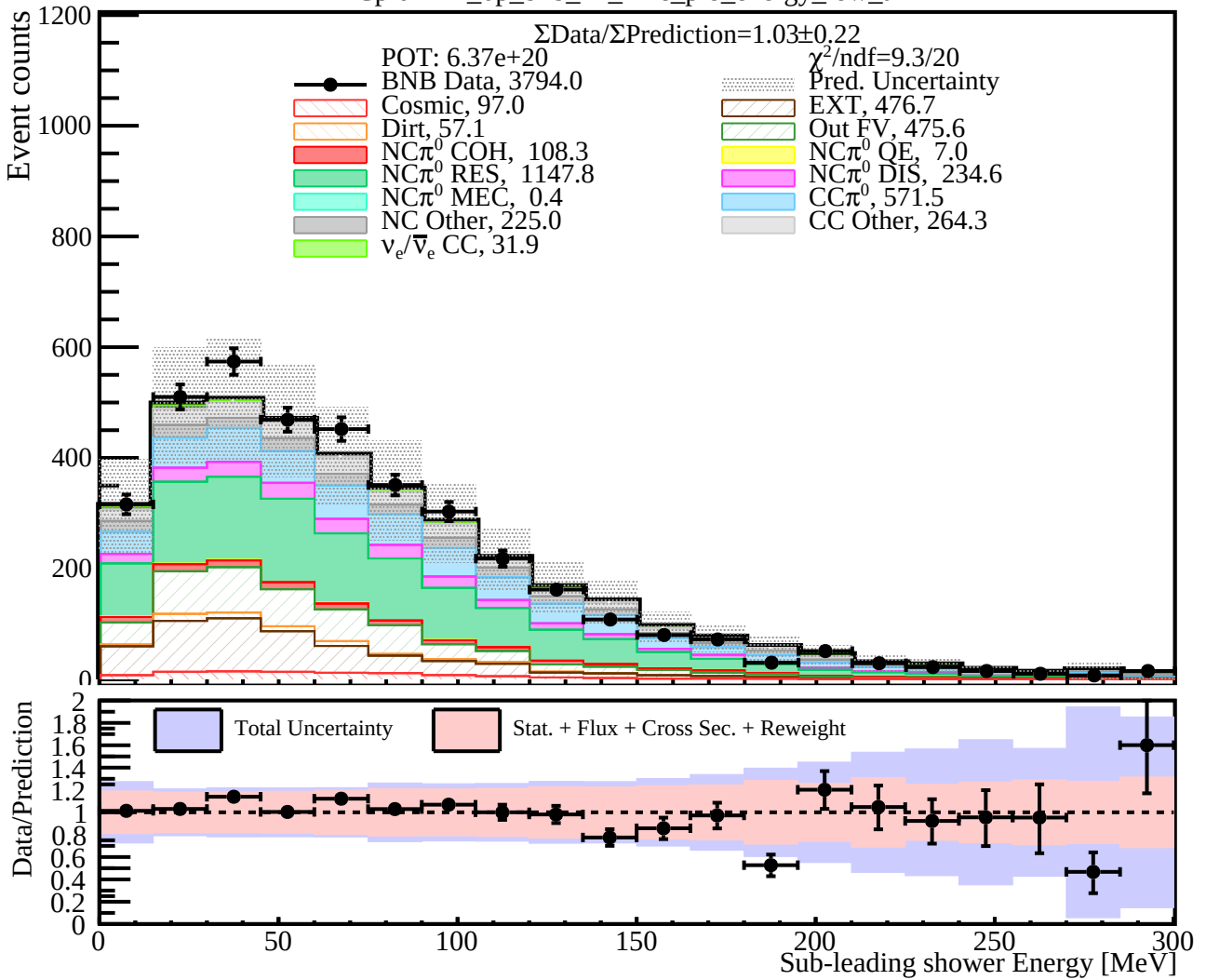
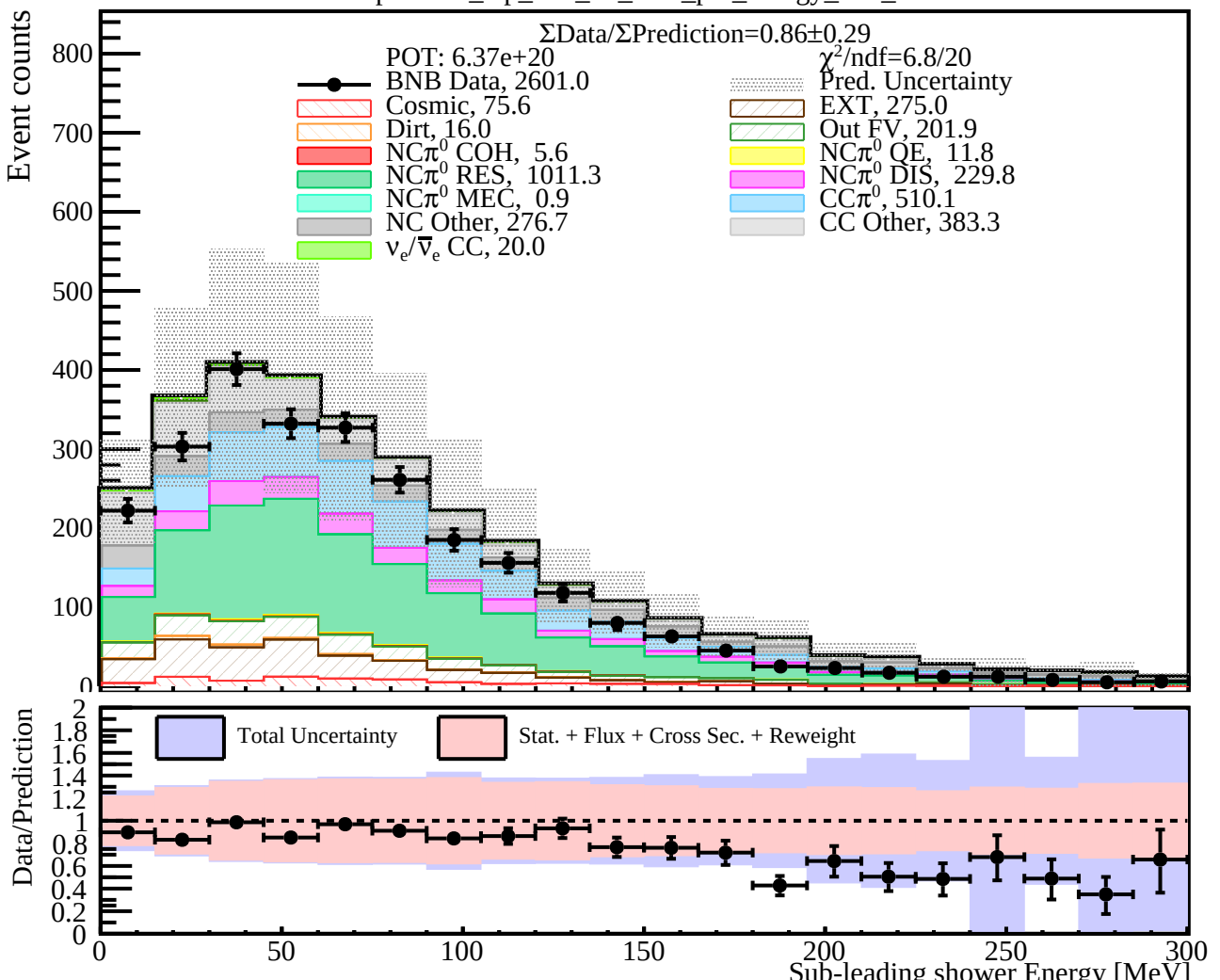
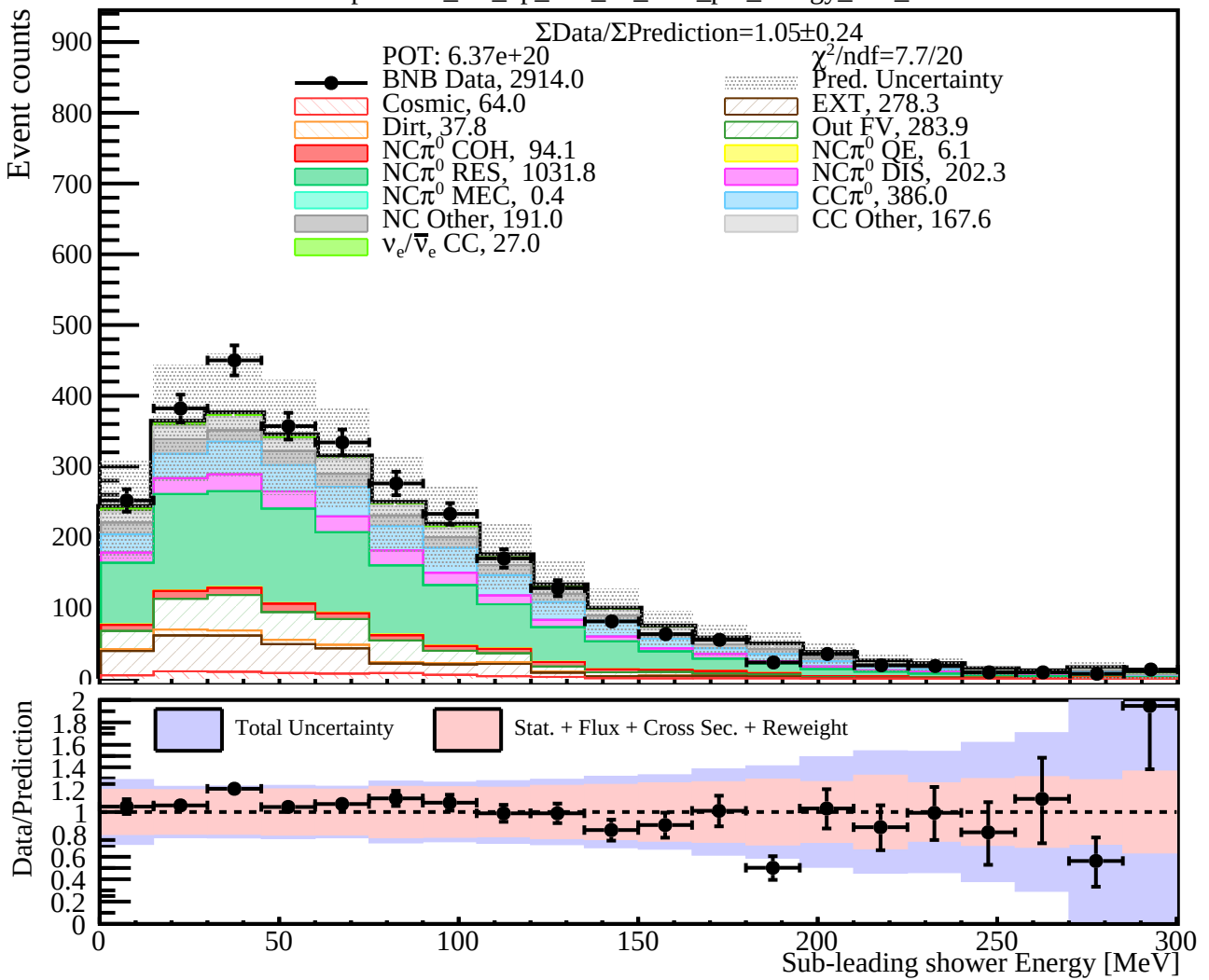

NCpi0BDT_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=0.95±0.23
POT: 6.37e+20
χ²/ndf=11.4/20
BNB Data, 6395.0
Pred. Uncertainty
Cosmic, 172.6
EXT, 751.7
Dirt, 73.0
Out FV, 677.5
NCπ⁰ COH, 113.8
NCπ⁰ QE, 18.8
NCπ⁰ RES, 2159.1
NCπ⁰ DIS, 464.4
NCπ⁰ MEC, 1.2
CCπ⁰, 1081.6
NC Other, 501.8
CC Other, 647.7
νe/ν̄e CC, 51.9
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]

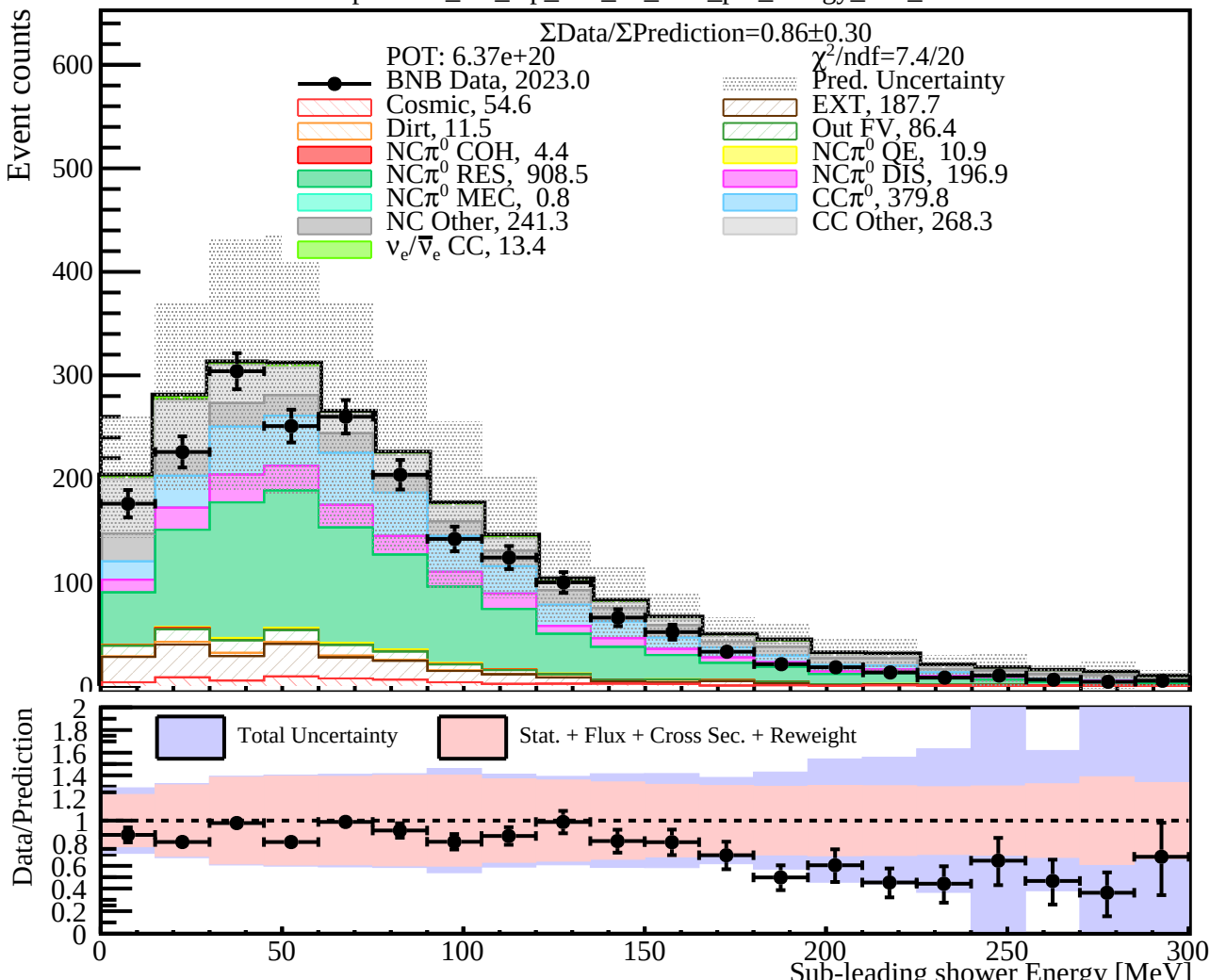

NCpi0BDT_FC_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=0.96±0.25
POT: 6.37e+20
χ²/ndf=9.6/20
BNB Data, 4937.0
Pred. Uncertainty
Cosmic, 118.6
EXT, 466.0
Dirt, 49.3
Out FV, 370.4
NCπ⁰ COH, 98.5
NCπ⁰ QE, 17.0
NCπ⁰ RES, 1940.3
NCπ⁰ DIS, 399.2
NCπ⁰ MEC, 1.1
CCπ⁰, 765.8
NC Other, 432.3
CC Other, 436.0
νe/ν̄e CC, 40.5
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]

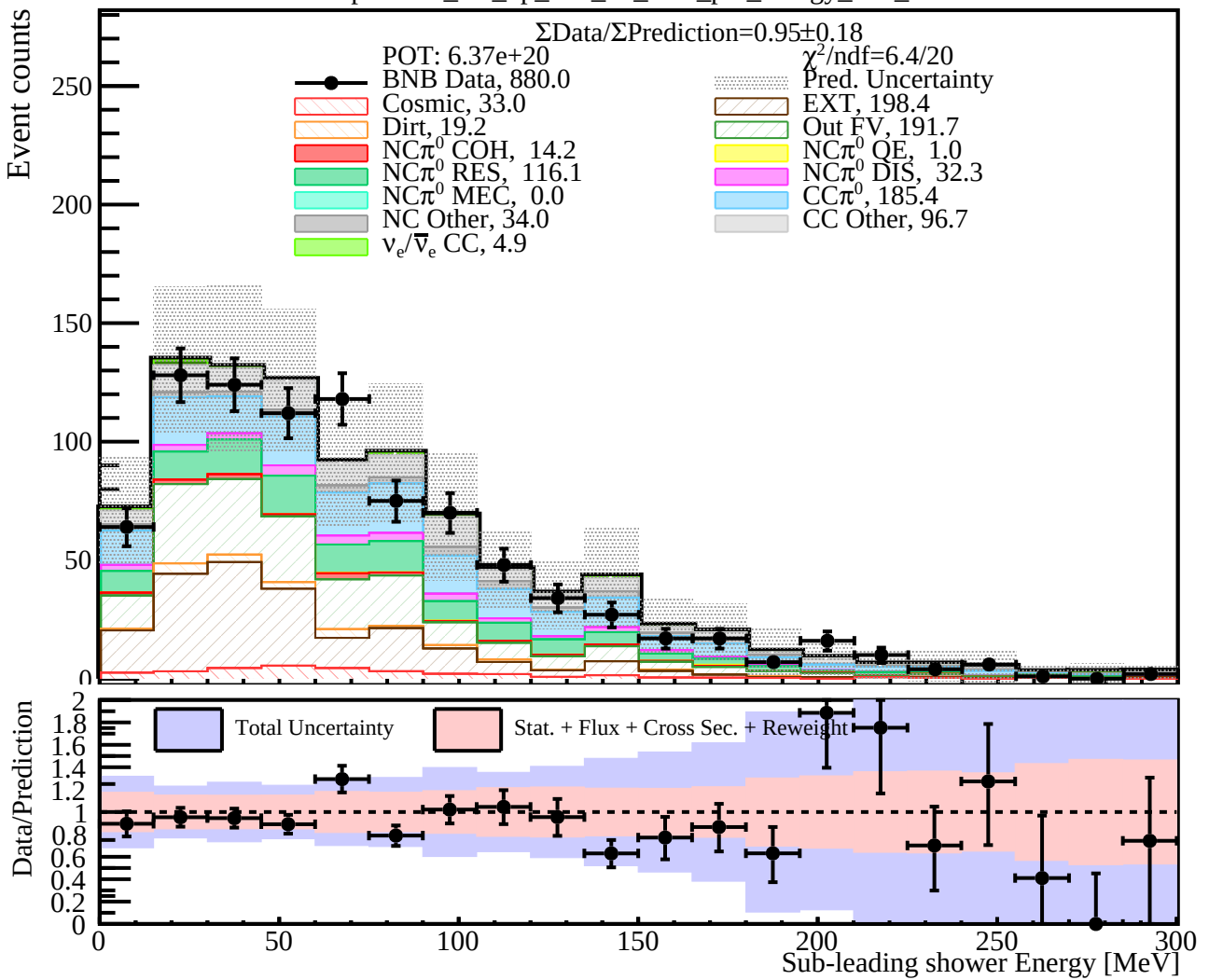

NCpi0BDT_PC_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=0.92±0.18
POT: 6.37e+20
χ²/ndf=6.3/20
BNB Data, 1458.0
Pred. Uncertainty
Cosmic, 54.0
EXT, 285.7
Dirt, 23.8
Out FV, 307.1
NCπ⁰ COH, 15.3
NCπ⁰ QE, 1.8
NCπ⁰ RES, 218.9
NCπ⁰ DIS, 65.1
NCπ⁰ MEC, 0.1
CCπ⁰, 315.8
NC Other, 69.4
CC Other, 211.7
νe/ν̄e CC, 11.5
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]

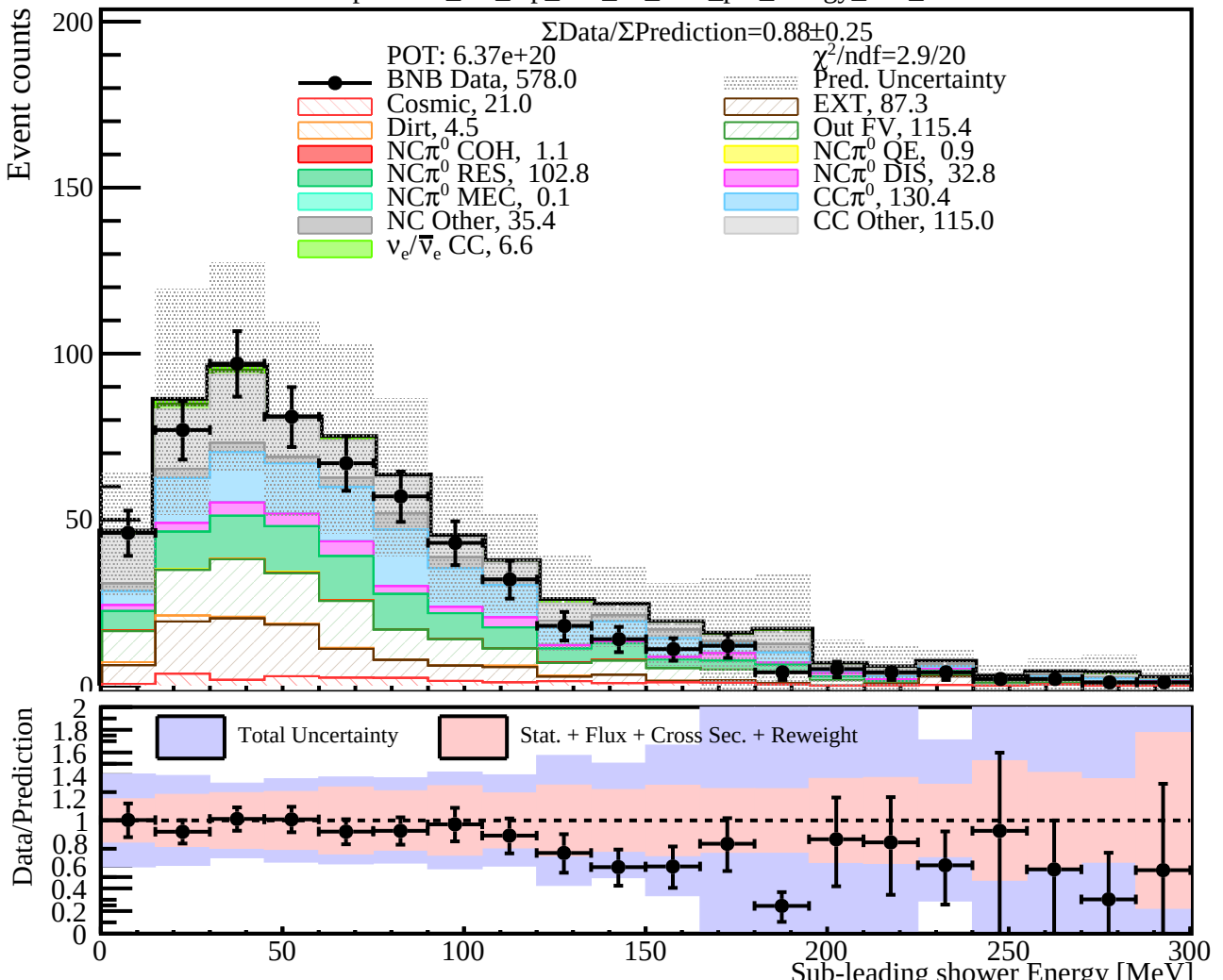

NCpi0BDT_0p_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=1.03±0.22
POT: 6.37e+20
χ²/ndf=9.3/20
BNB Data, 3794.0
Pred. Uncertainty
Cosmic, 97.0
EXT, 476.7
Dirt, 57.1
Out FV, 475.6
NCπ⁰ COH, 108.3
NCπ⁰ QE, 7.0
NCπ⁰ RES, 1147.8
NCπ⁰ DIS, 234.6
NCπ⁰ MEC, 0.4
CCπ⁰, 571.5
NC Other, 225.0
CC Other, 264.3
νe/ν̄e CC, 31.9
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]


NCpi0BDT_Np_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=0.86±0.29
POT: 6.37e+20
χ²/ndf=6.8/20
BNB Data, 2601.0
Pred. Uncertainty
Cosmic, 75.6
EXT, 275.0
Dirt, 16.0
Out FV, 201.9
NCπ⁰ COH, 5.6
NCπ⁰ QE, 11.8
NCπ⁰ RES, 1011.3
NCπ⁰ DIS, 229.8
NCπ⁰ MEC, 0.9
CCπ⁰, 510.1
NC Other, 276.7
CC Other, 383.3
νe/ν̄e CC, 20.0
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]


NCpi0BDT_FC_0p_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=1.05±0.24
POT: 6.37e+20
χ²/ndf=7.7/20
BNB Data, 2914.0
Pred. Uncertainty
Cosmic, 64.0
EXT, 278.3
Dirt, 37.8
Out FV, 283.9
NCπ⁰ COH, 94.1
NCπ⁰ QE, 6.1
NCπ⁰ RES, 1031.8
NCπ⁰ DIS, 202.3
NCπ⁰ MEC, 0.4
CCπ⁰, 386.0
NC Other, 191.0
CC Other, 167.6
νe/ν̄e CC, 27.0
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]


NCpi0BDT_FC_Np_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=0.86±0.30
POT: 6.37e+20
χ²/ndf=7.4/20
BNB Data, 2023.0
Pred. Uncertainty
Cosmic, 54.6
EXT, 187.7
Dirt, 11.5
Out FV, 86.4
NCπ⁰ COH, 4.4
NCπ⁰ QE, 10.9
NCπ⁰ RES, 908.5
NCπ⁰ DIS, 196.9
NCπ⁰ MEC, 0.8
CCπ⁰, 379.8
NC Other, 241.3
CC Other, 268.3
νe/ν̄e CC, 13.4
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]


NCpi0BDT_PC_0p_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=0.95±0.18
POT: 6.37e+20
χ²/ndf=6.4/20
BNB Data, 880.0
Pred. Uncertainty
Cosmic, 33.0
EXT, 198.4
Dirt, 19.2
Out FV, 191.7
NCπ⁰ COH, 14.2
NCπ⁰ QE, 1.0
NCπ⁰ RES, 116.1
NCπ⁰ DIS, 32.3
NCπ⁰ MEC, 0.0
CCπ⁰, 185.4
NC Other, 34.0
CC Other, 96.7
νe/ν̄e CC, 4.9
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]


NCpi0BDT_PC_Np_bnb_12_kine_pio_energy_low_all
ΣData/ΣPrediction=0.88±0.25
POT: 6.37e+20
χ²/ndf=2.9/20
BNB Data, 578.0
Pred. Uncertainty
Cosmic, 21.0
EXT, 87.3
Dirt, 4.5
Out FV, 115.4
NCπ⁰ COH, 1.1
NCπ⁰ QE, 0.9
NCπ⁰ RES, 102.8
NCπ⁰ DIS, 32.8
NCπ⁰ MEC, 0.1
CCπ⁰, 130.4
NC Other, 35.4
CC Other, 115.0
νe/ν̄e CC, 6.6
Event counts
Total Uncertainty
Stat. + Flux + Cross Sec. + Reweight
Data/Prediction
Sub-leading shower Energy [MeV]