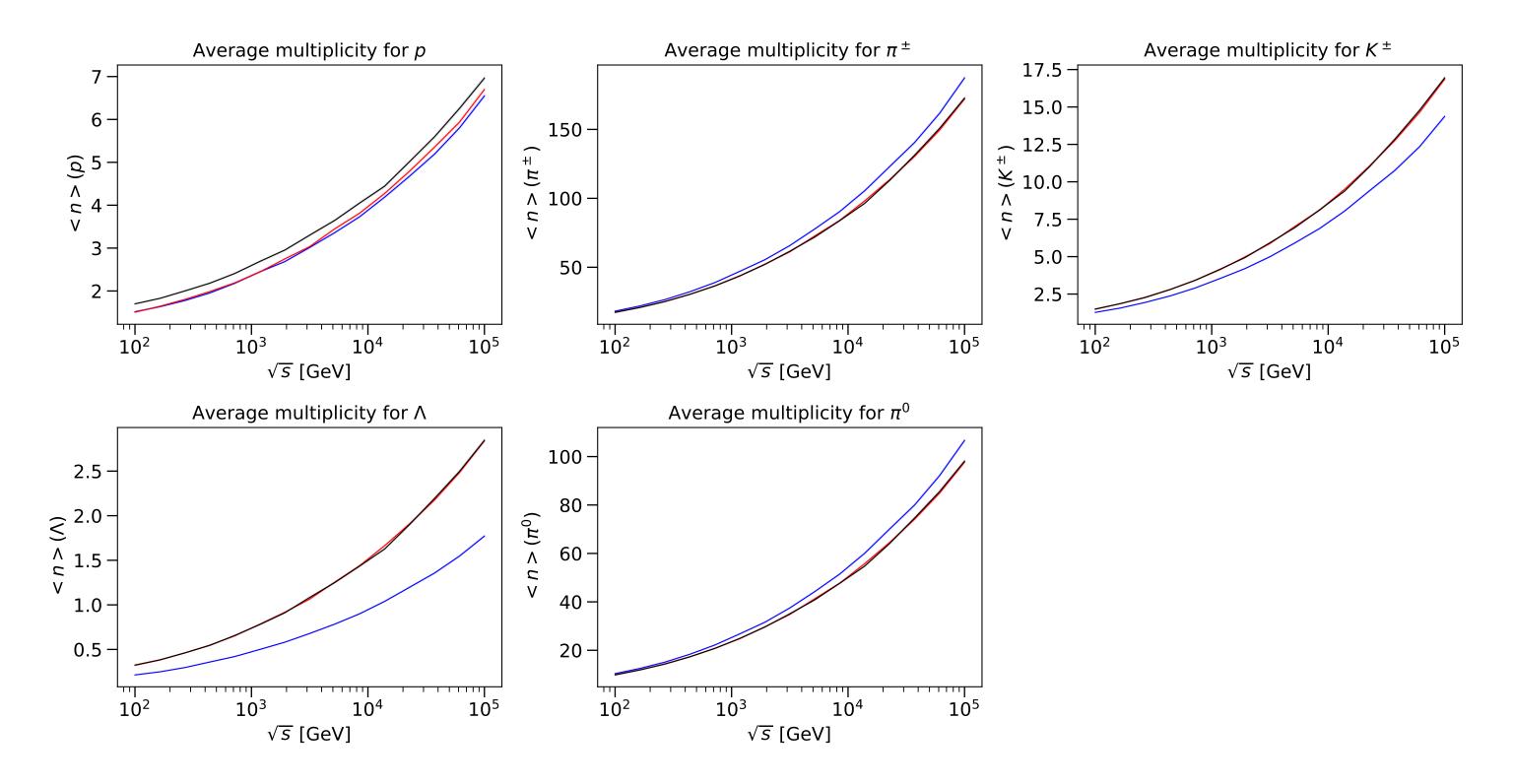
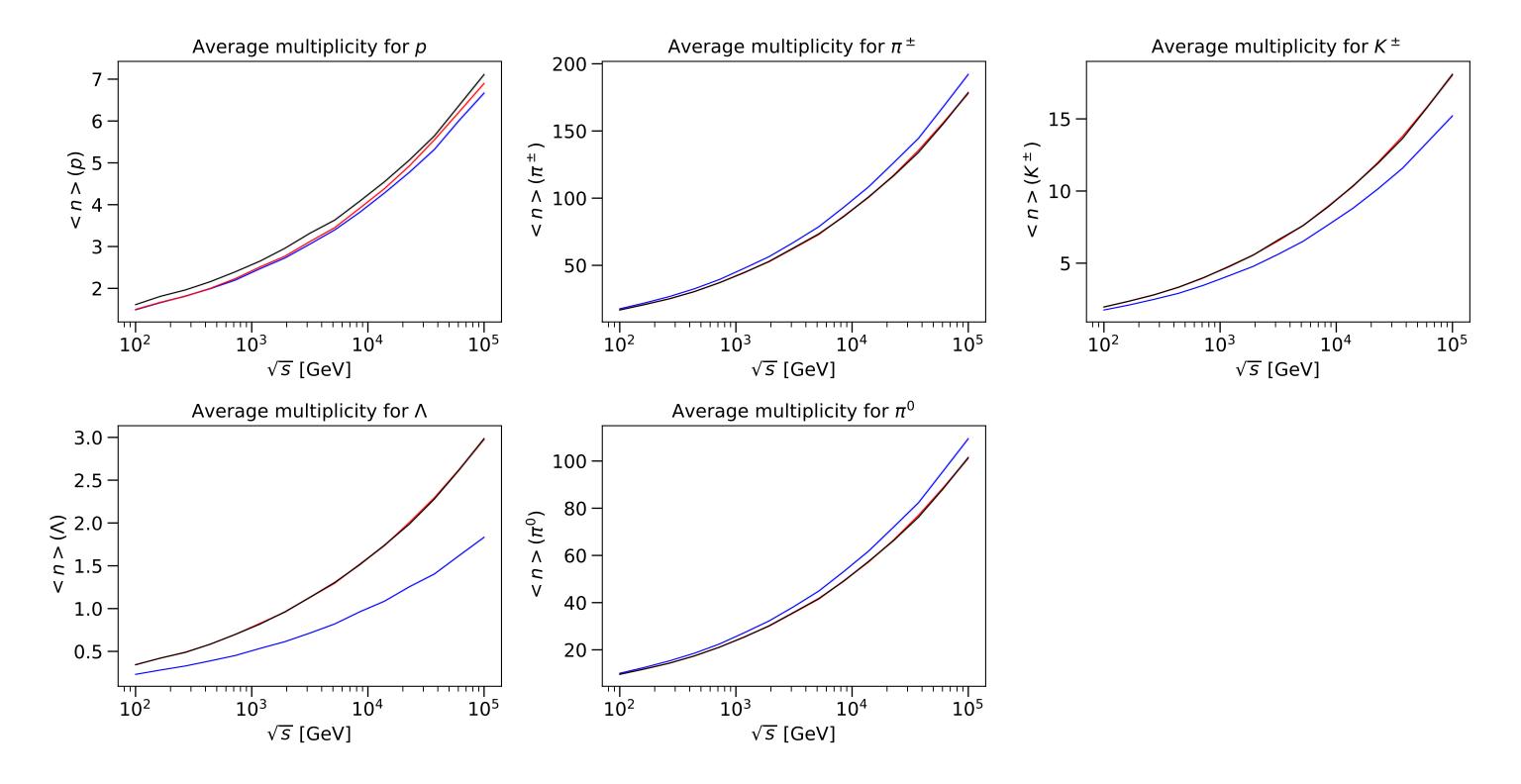
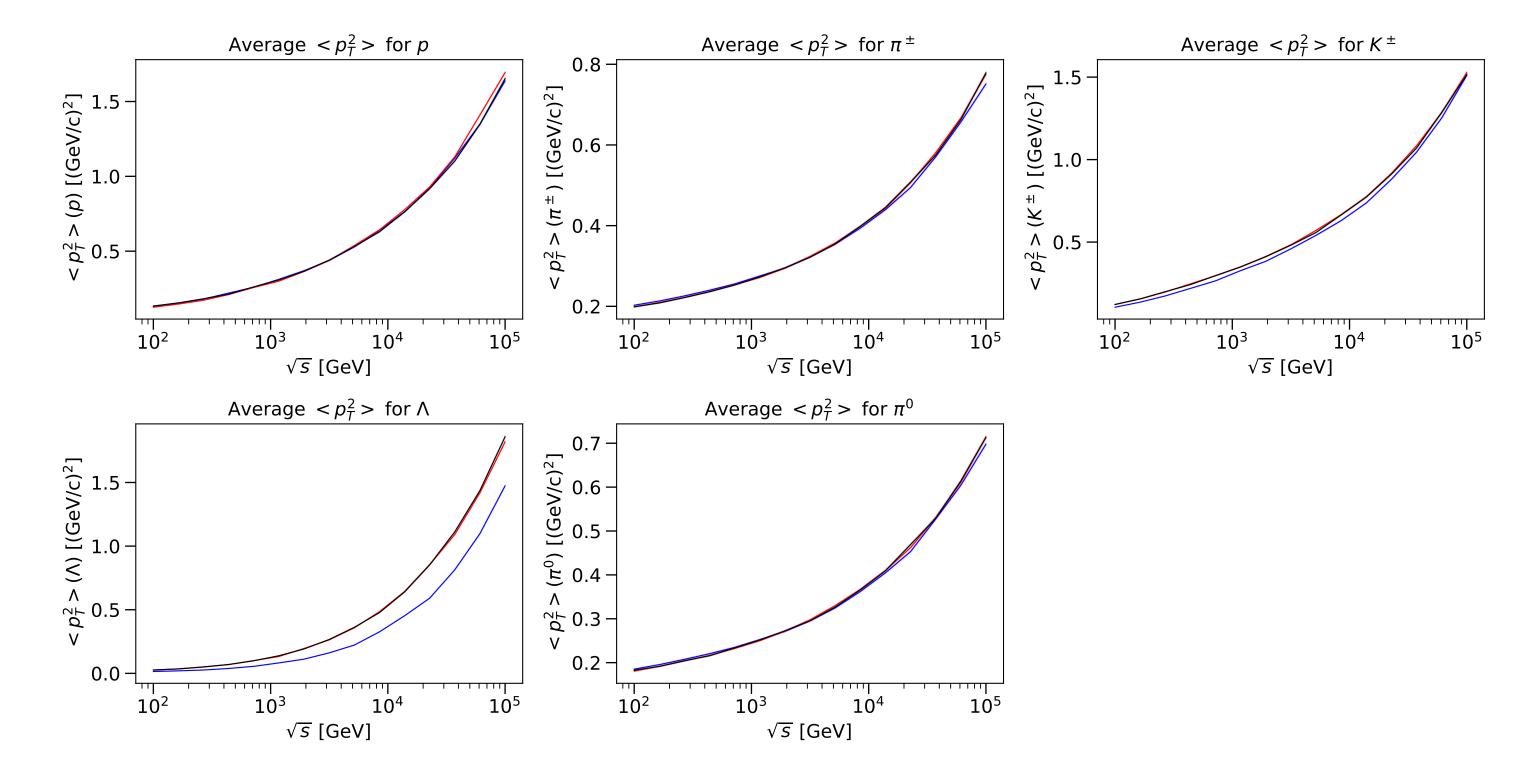
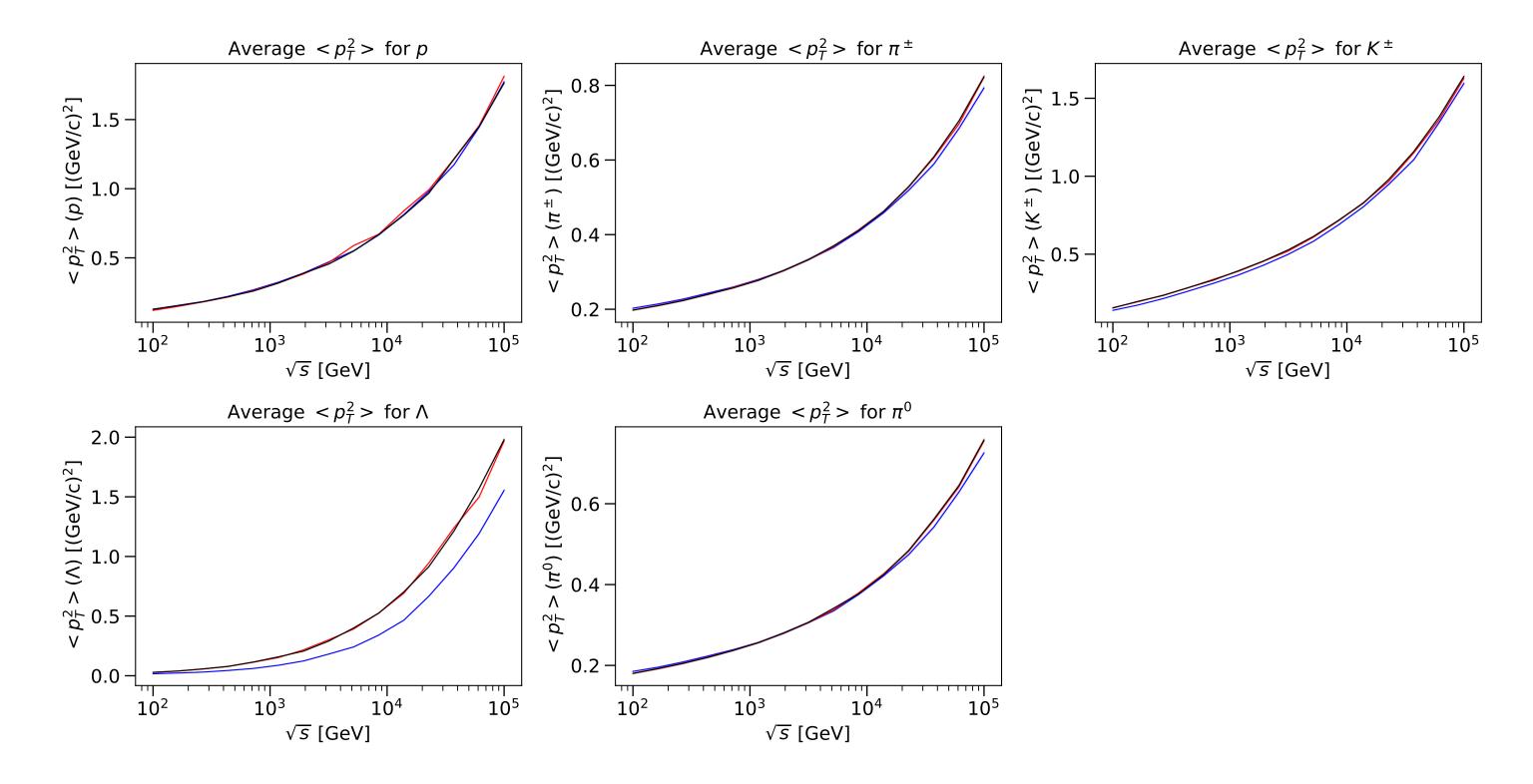
Atmospheric cascade related





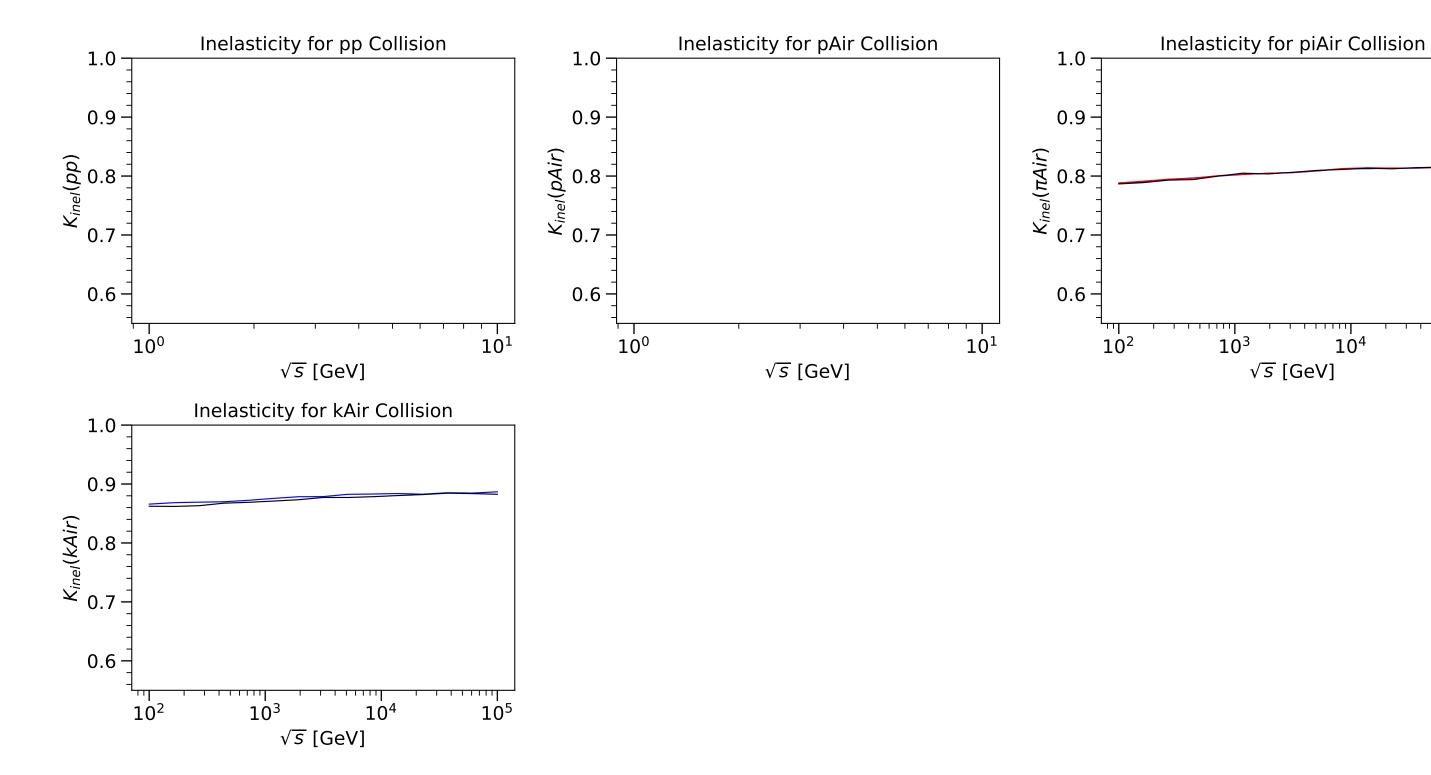






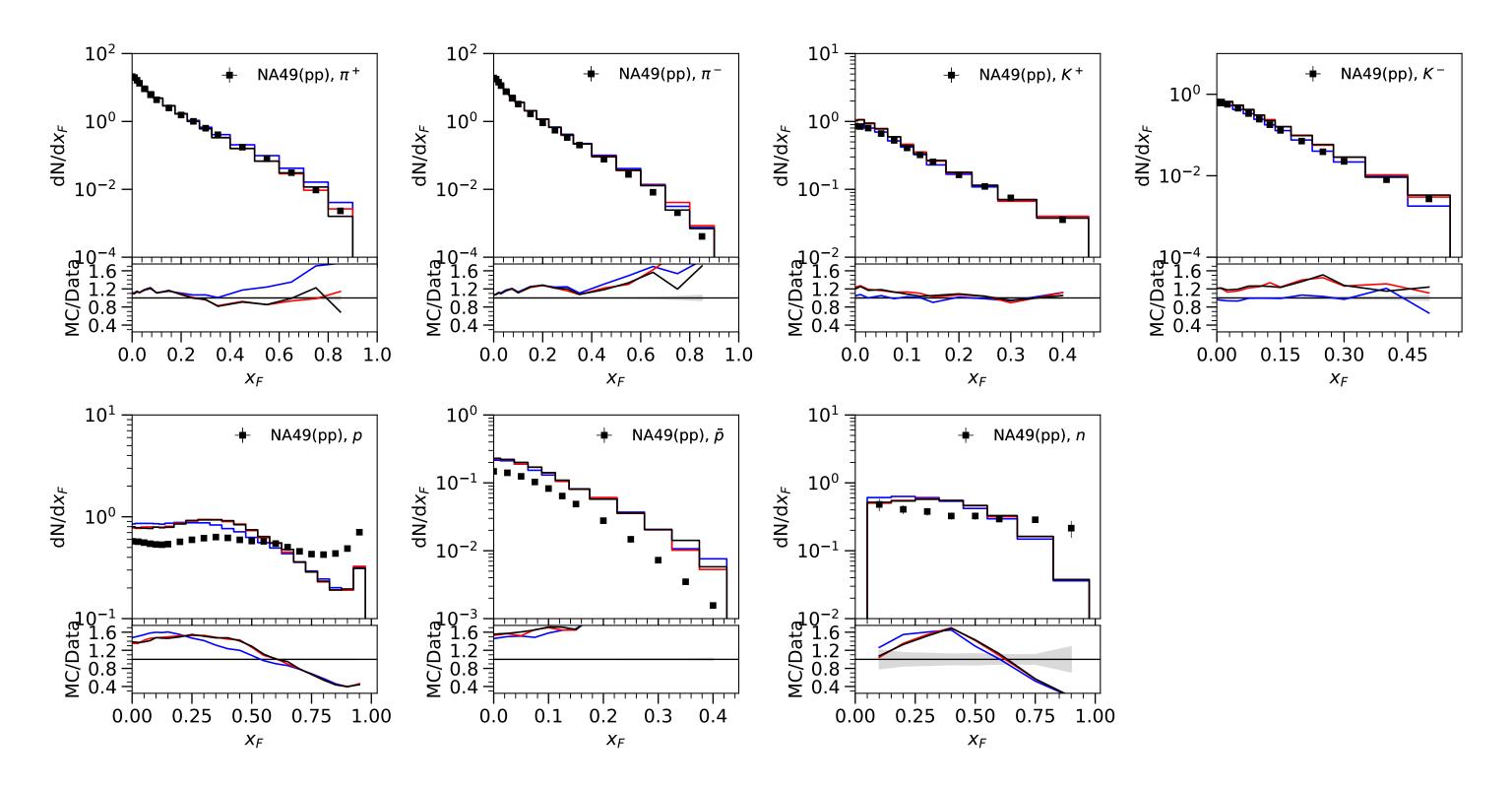
 $10^{4}$ 

10<sup>5</sup>

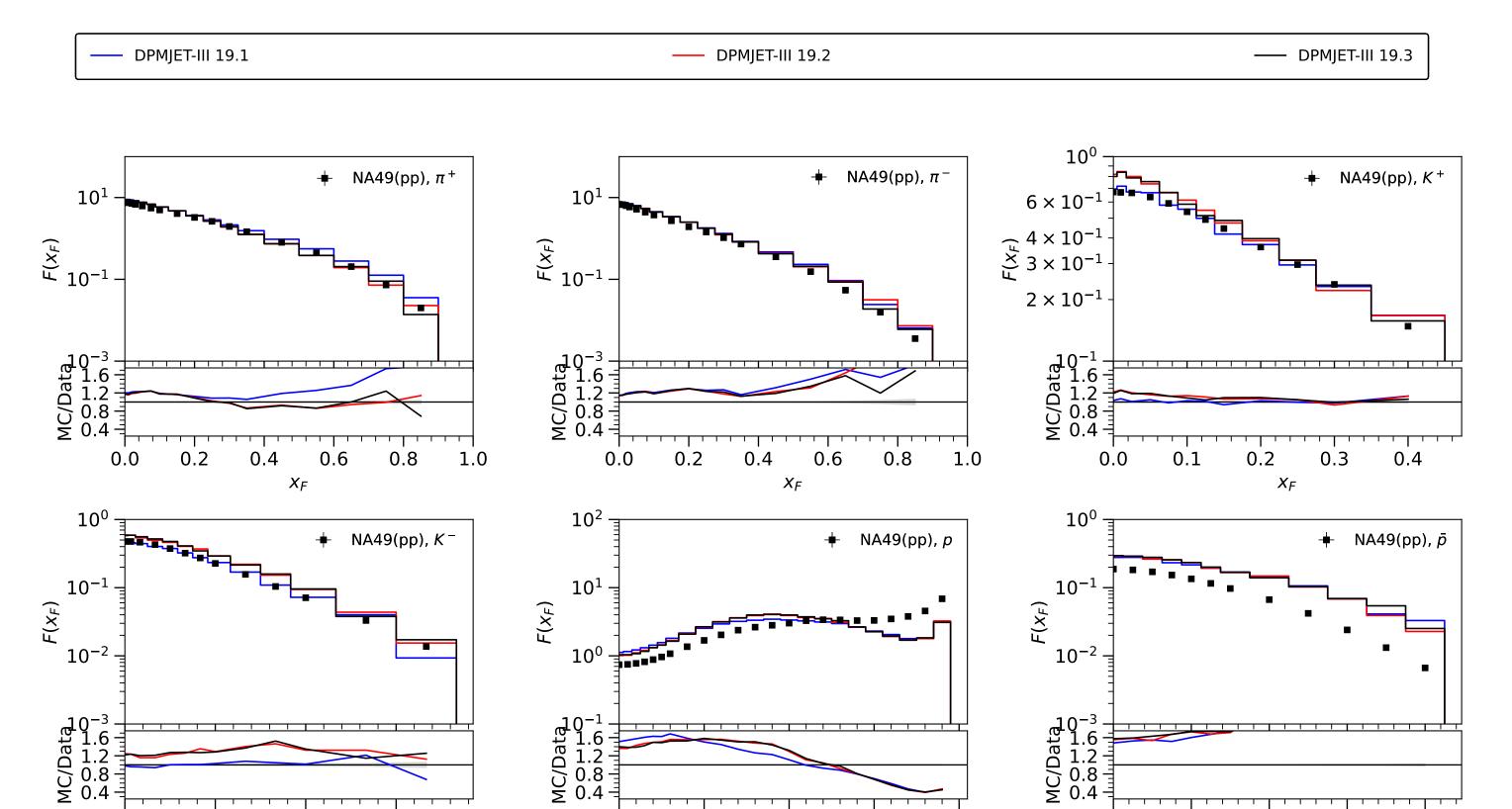


NA49: proton-proton





 $F(x_F)$  - NA49 pp collisions at 158 GeV



0.25

0.00

0.50

 $X_F$ 

0.45

0.15

0.00

0.30

 $X_F$ 

1.00

0.1

0.0

0.4

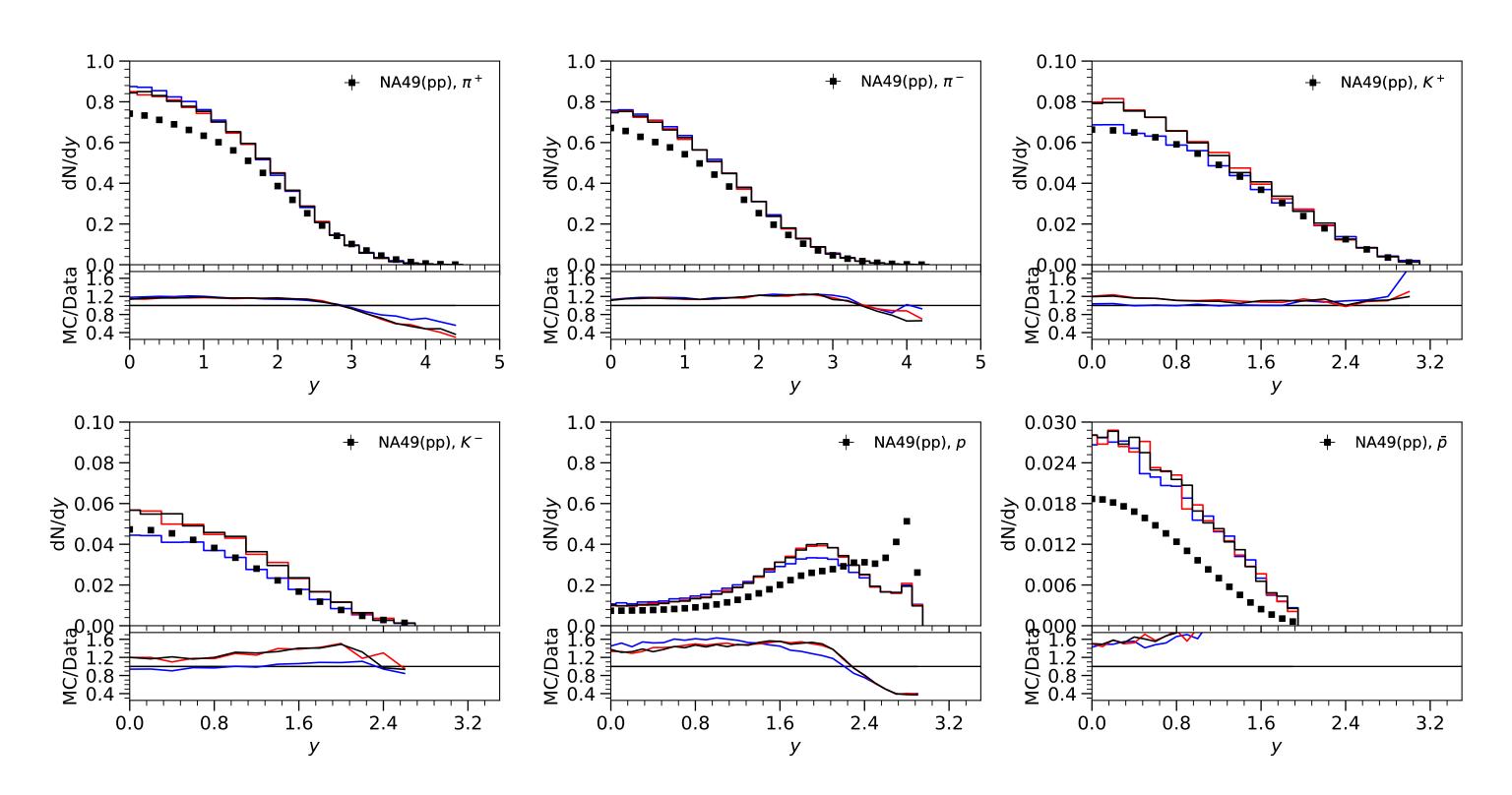
0.3

0.2

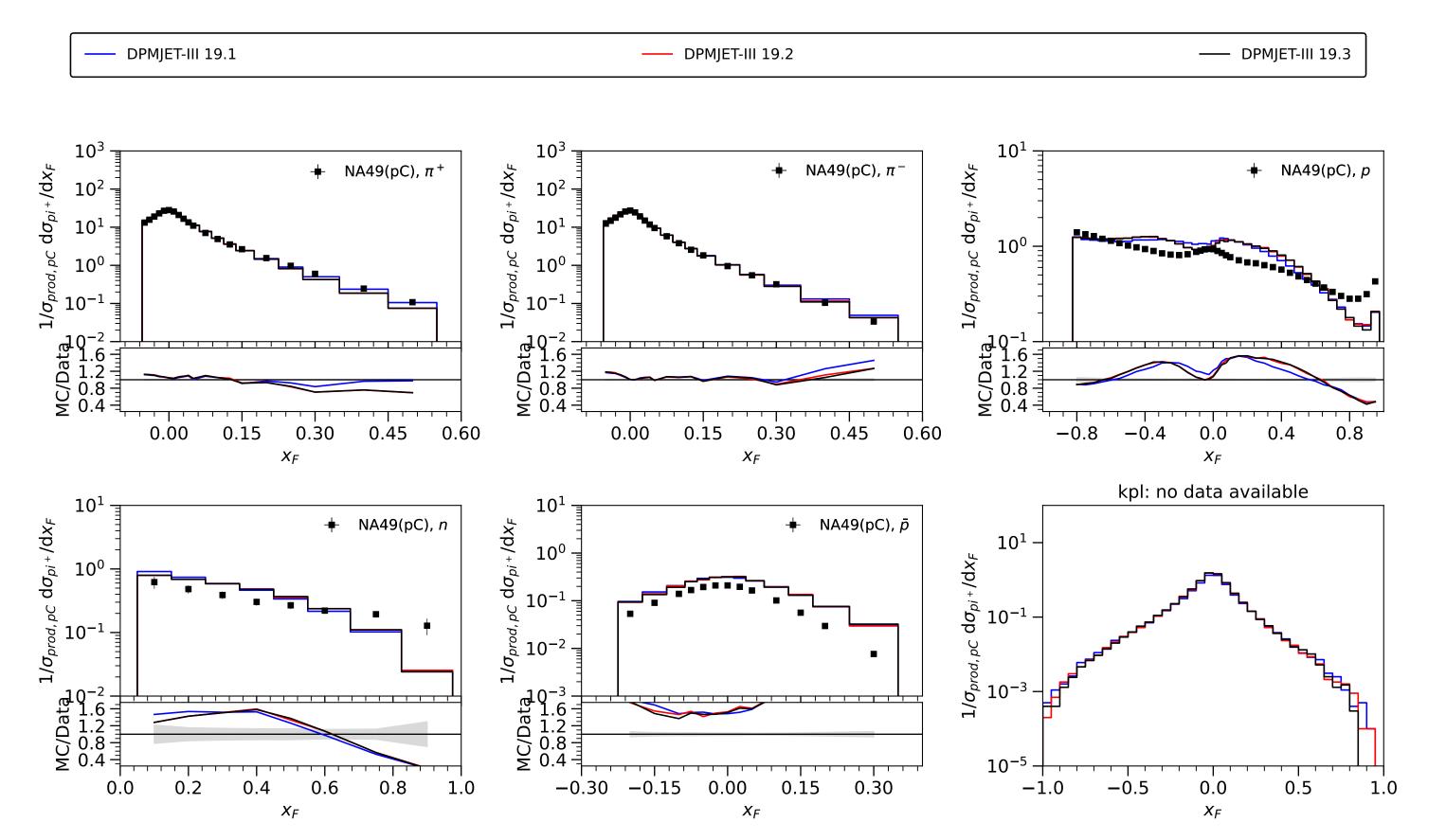
 $X_F$ 

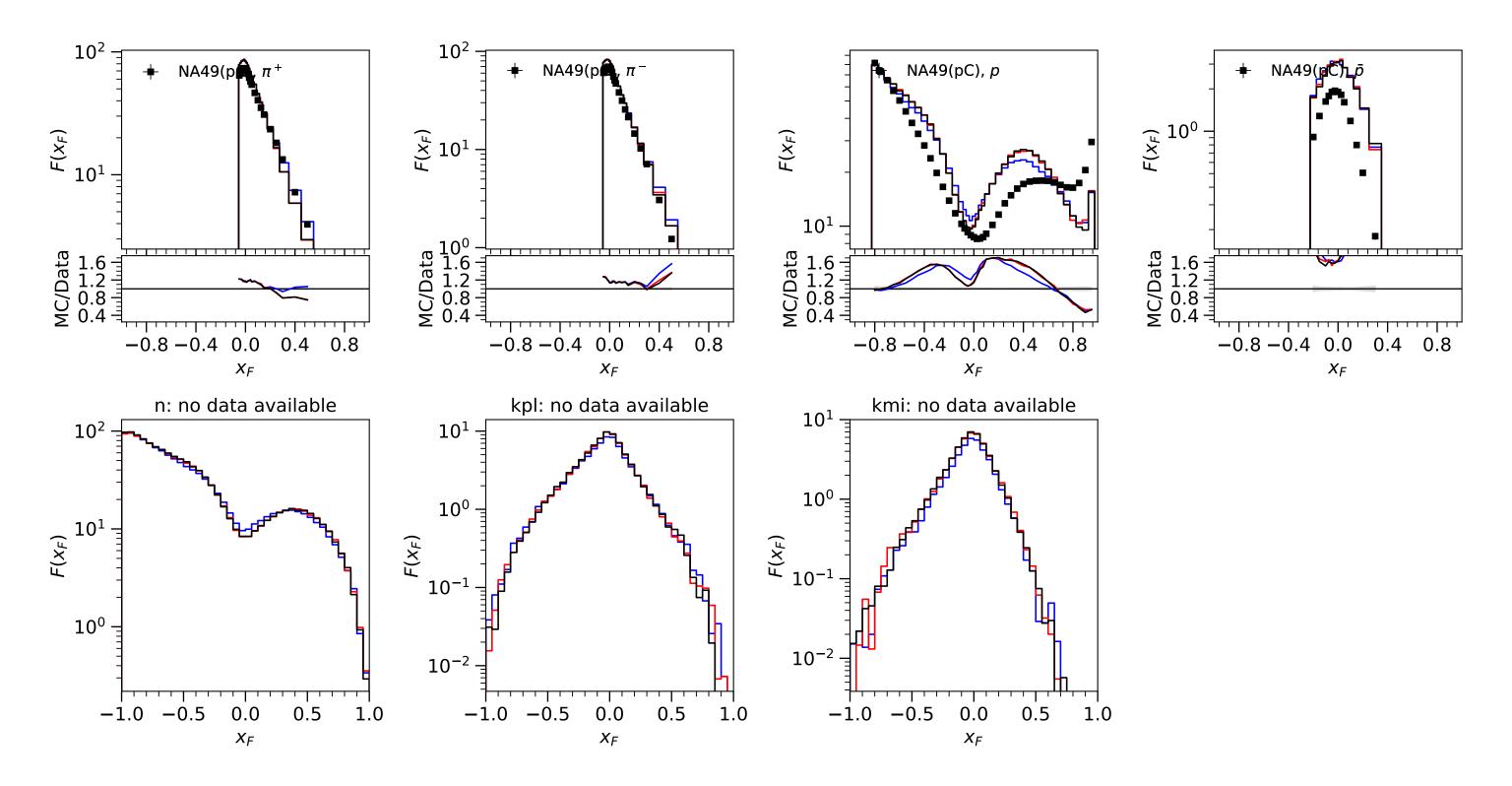
0.75



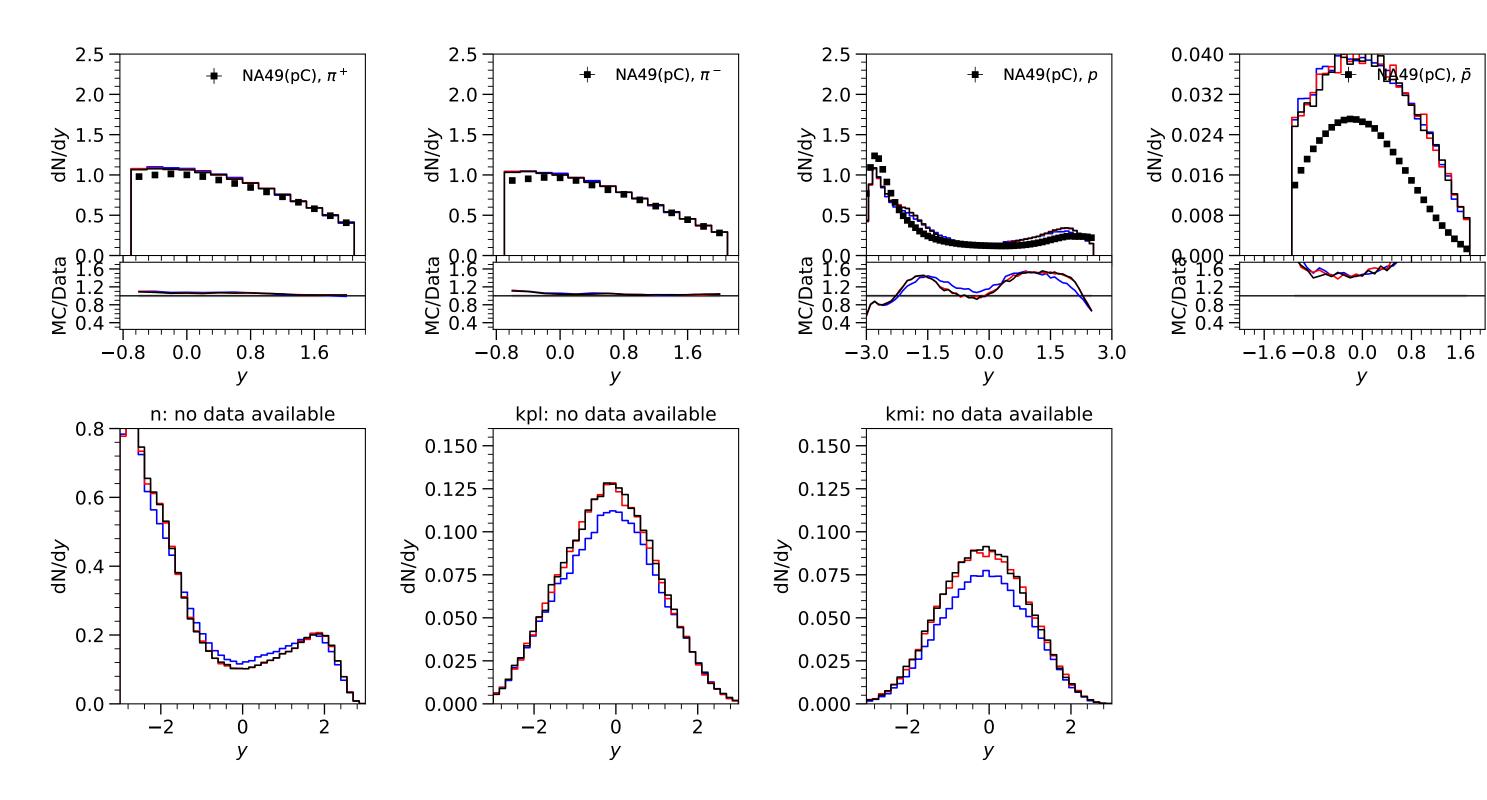


NA49: proton-carbon



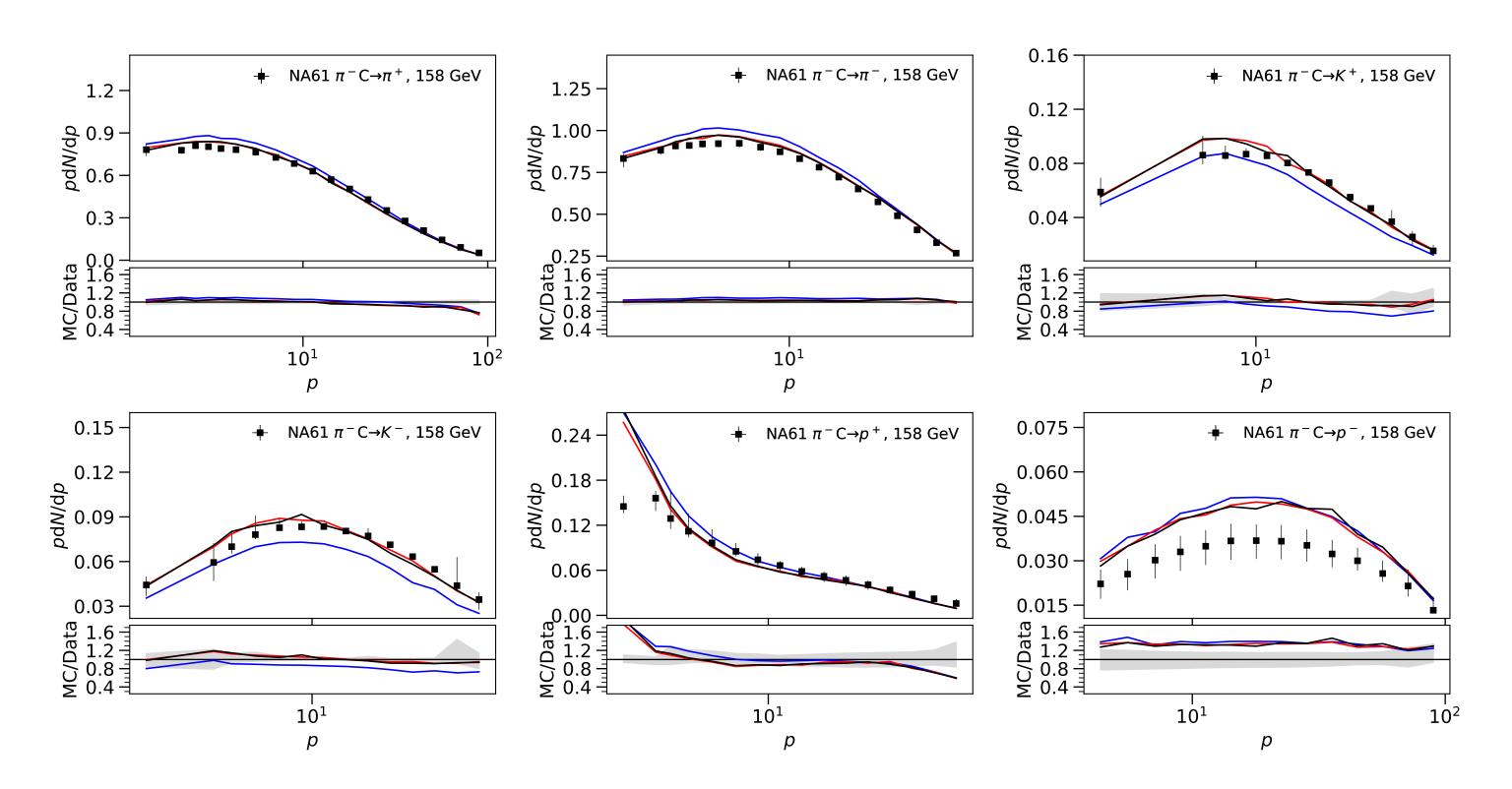




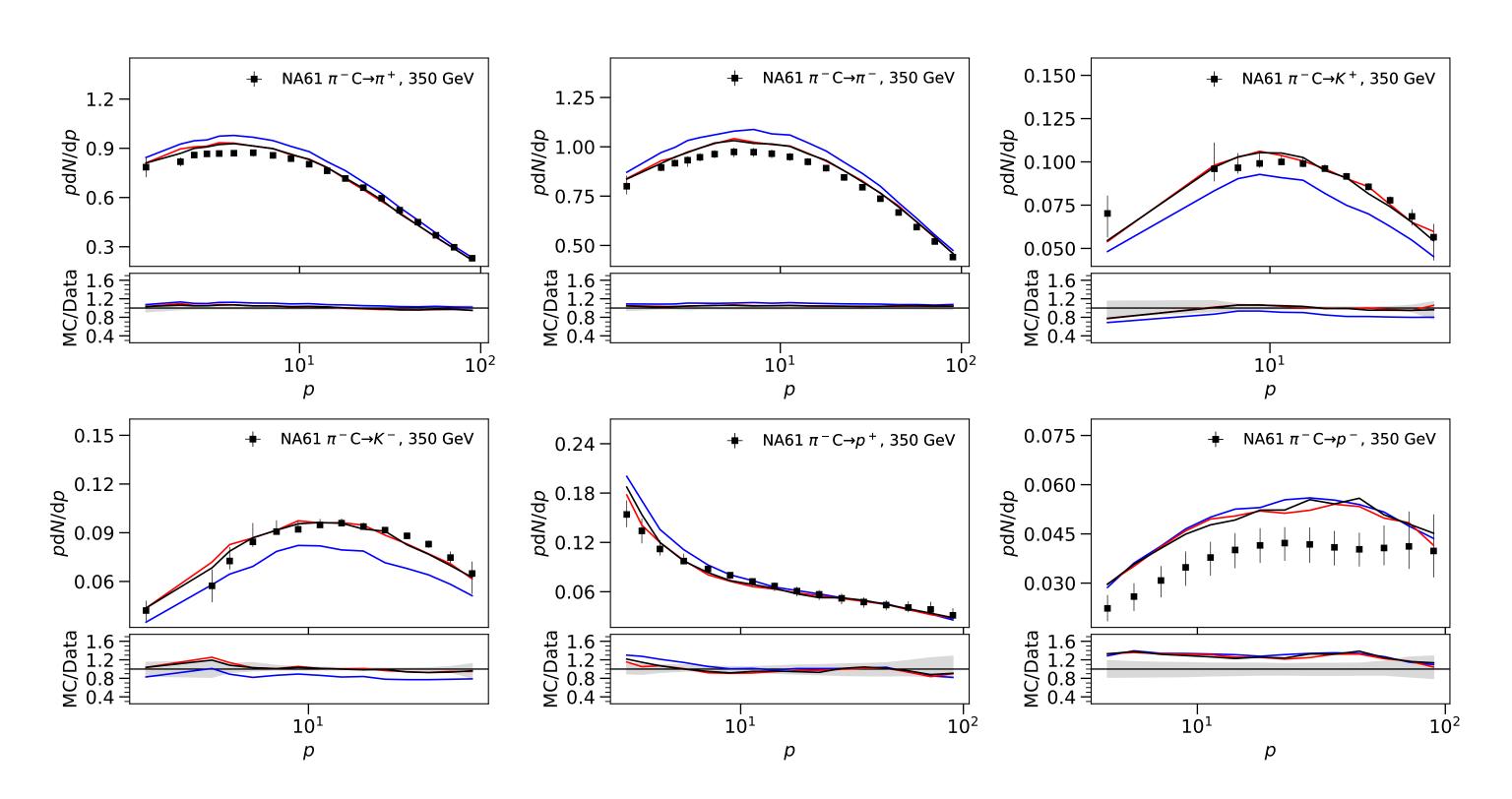


NA61: pion-Carbon



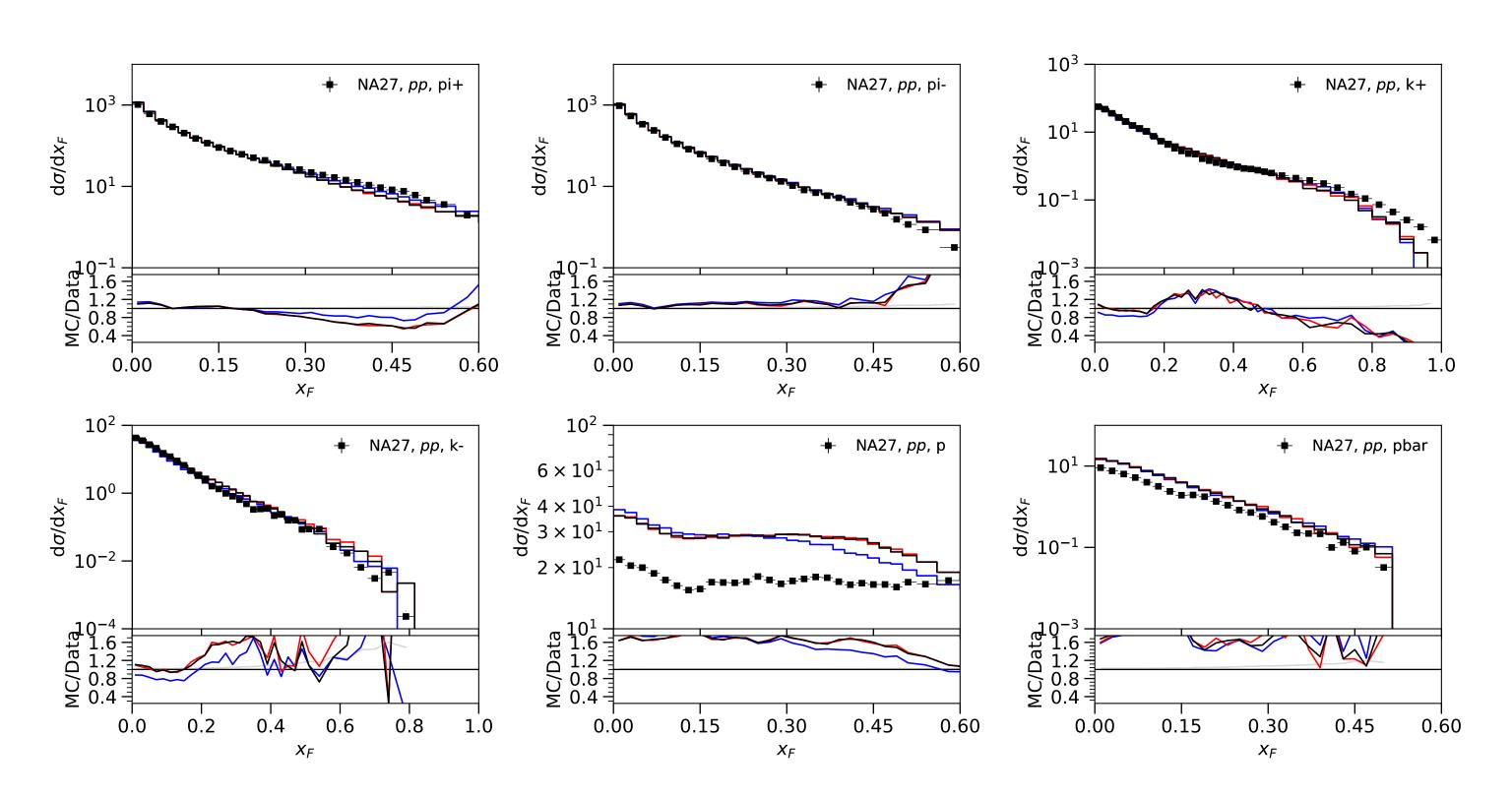






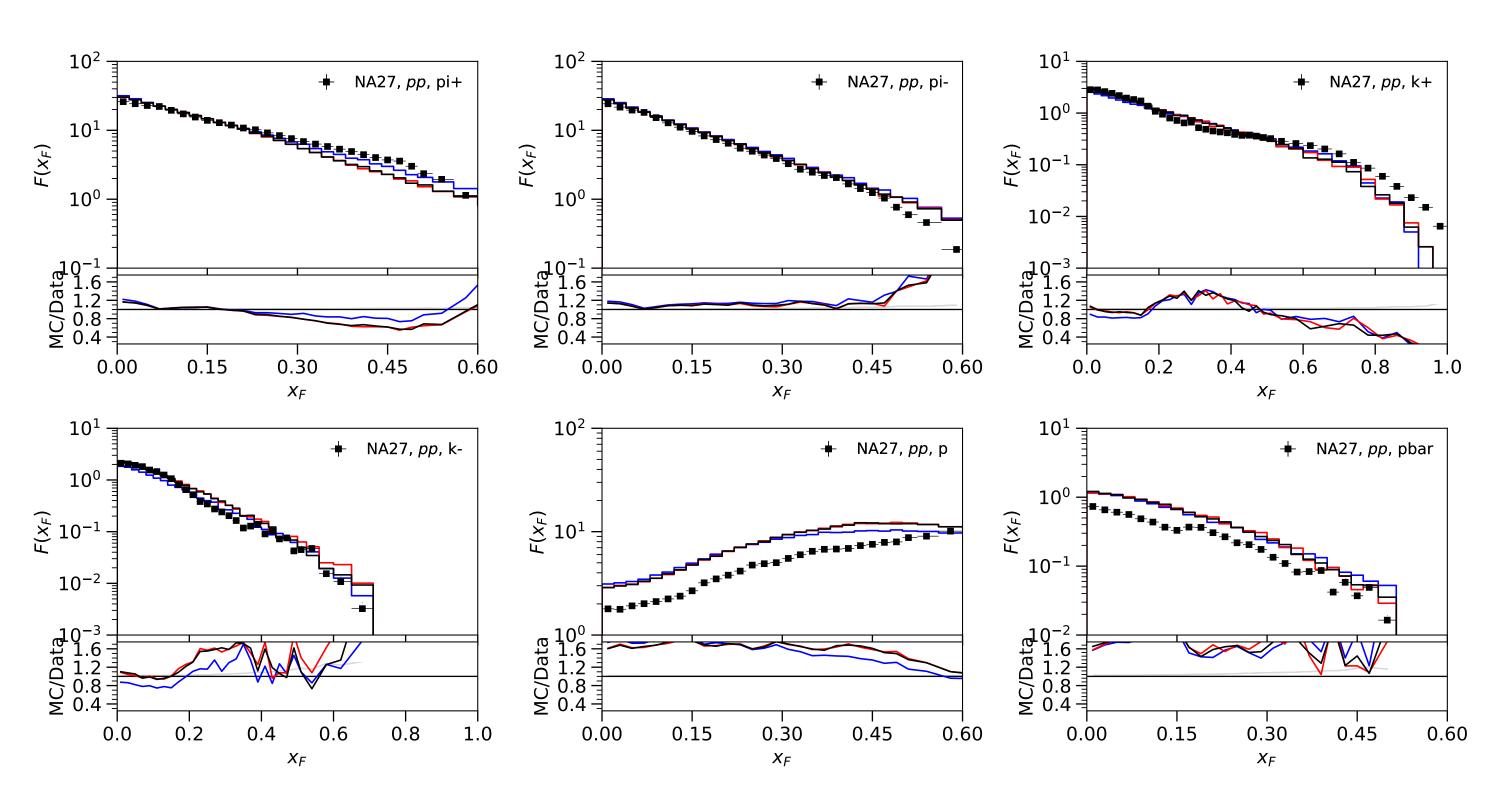
NA27: proton-proton





 $F(x_F)$  - NA27 pp collisions at 400 GeV



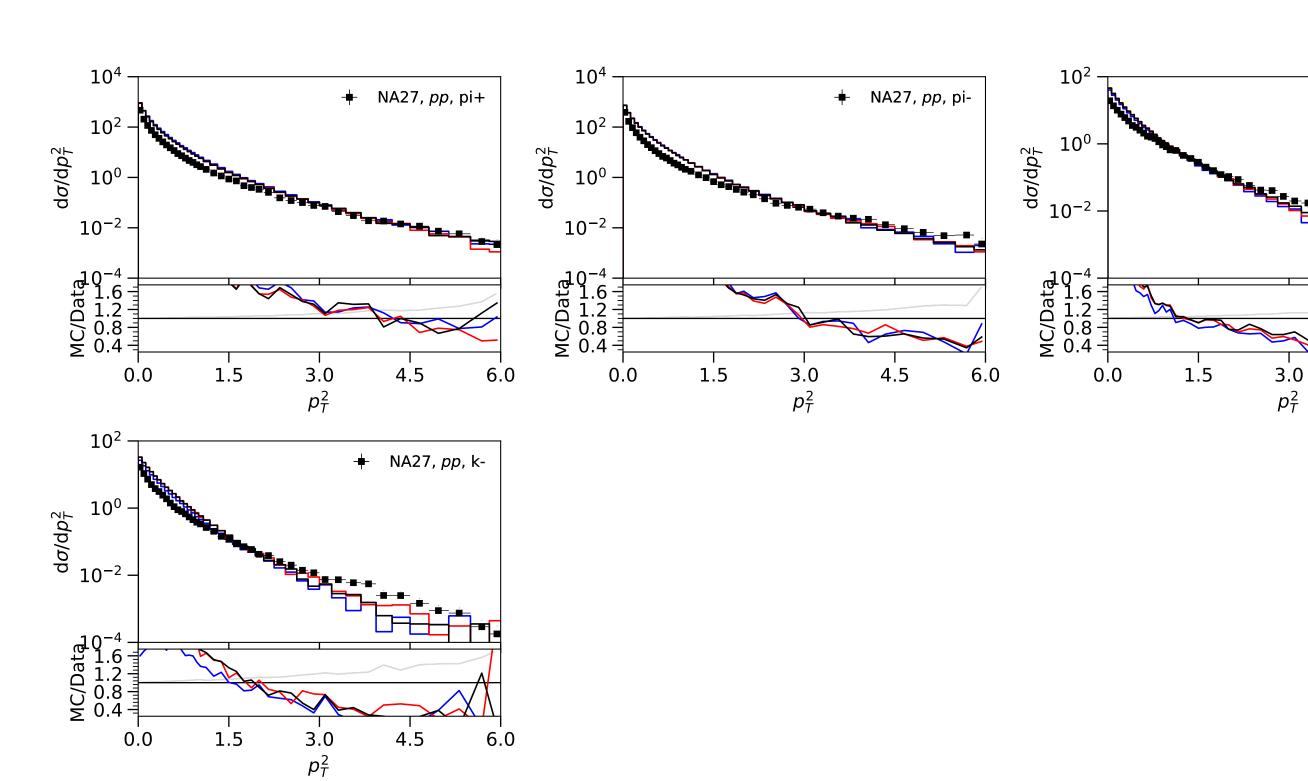




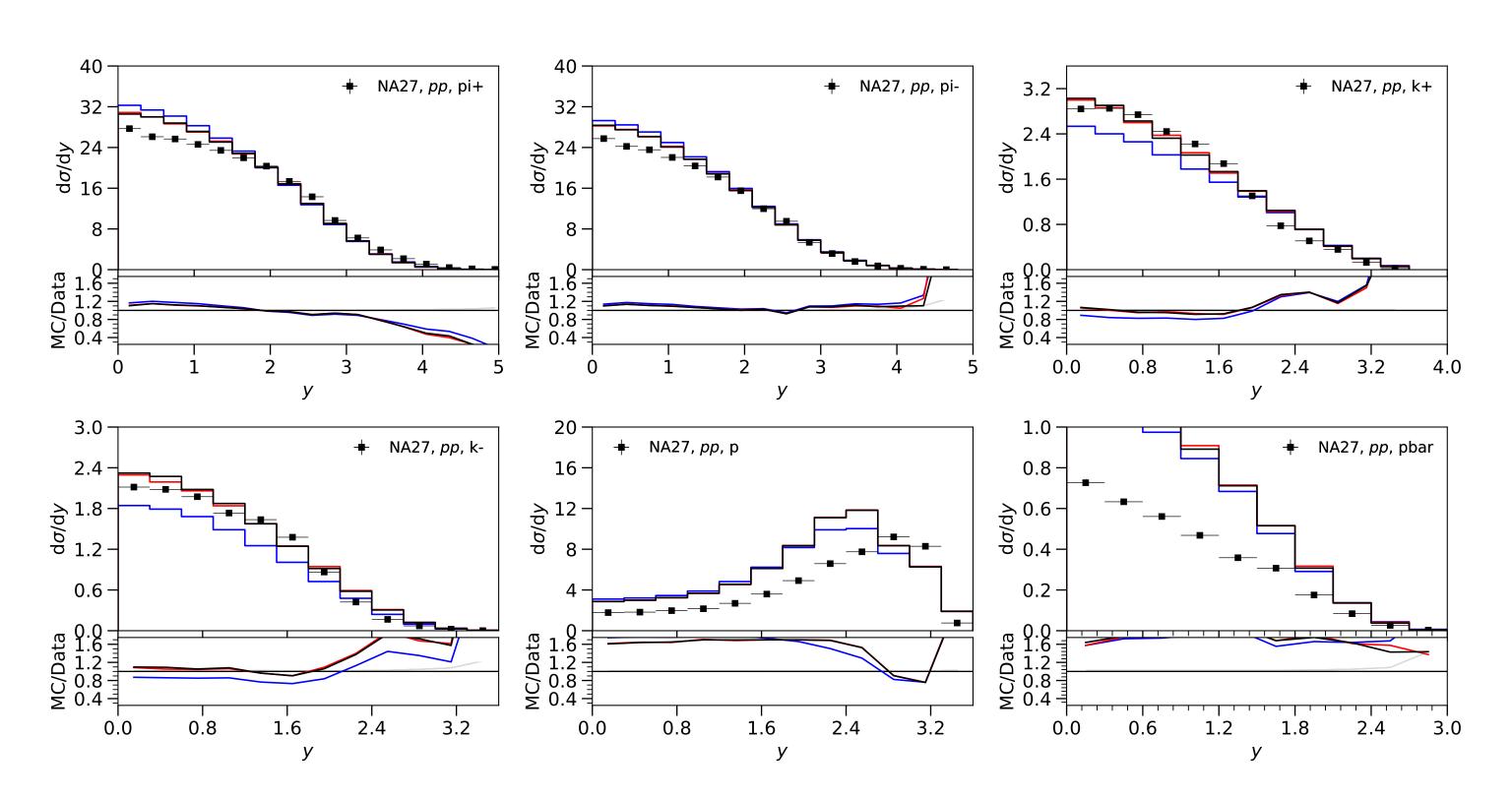
 →
 NA27, pp, k+

4.5

6.0

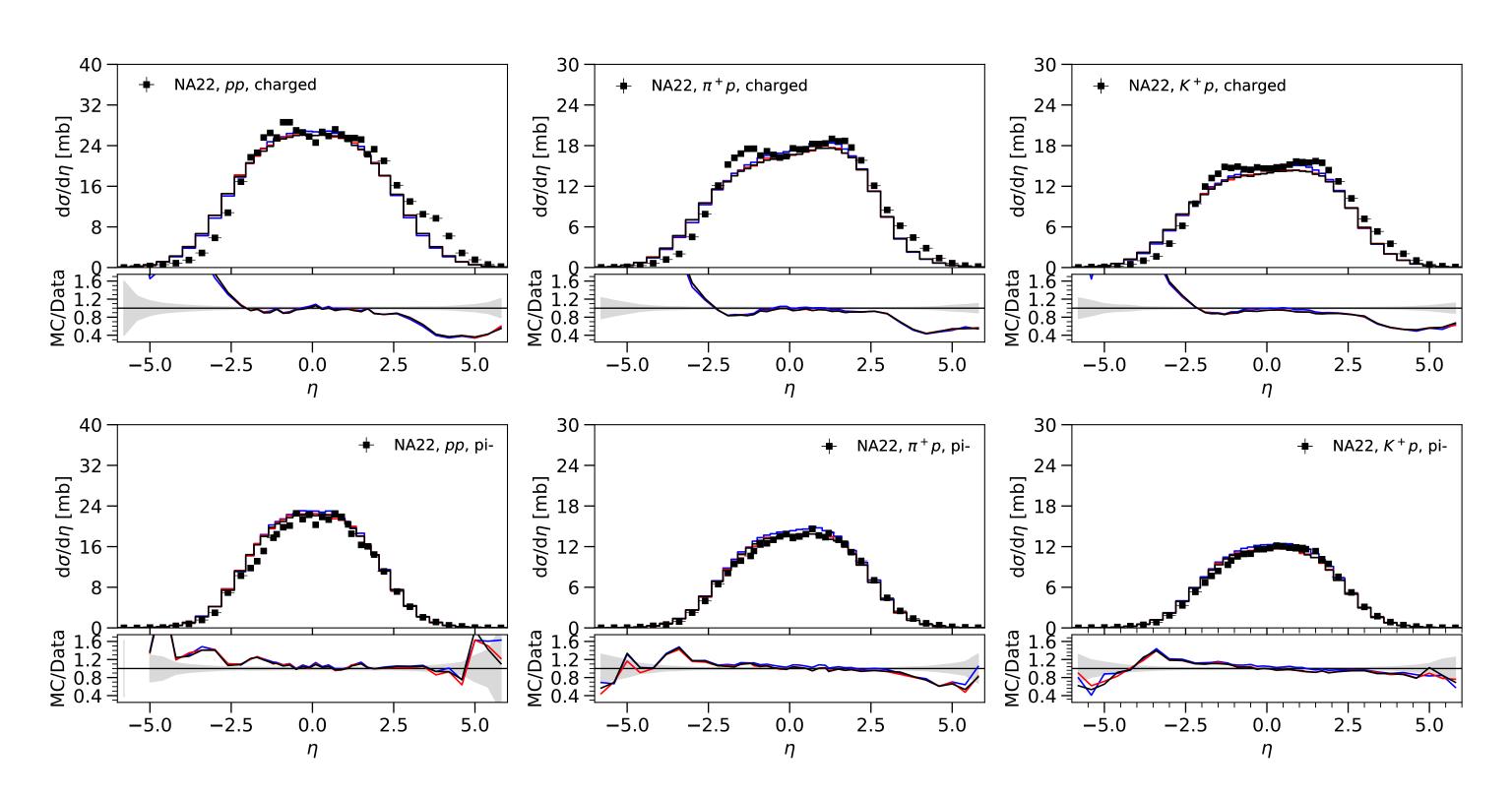


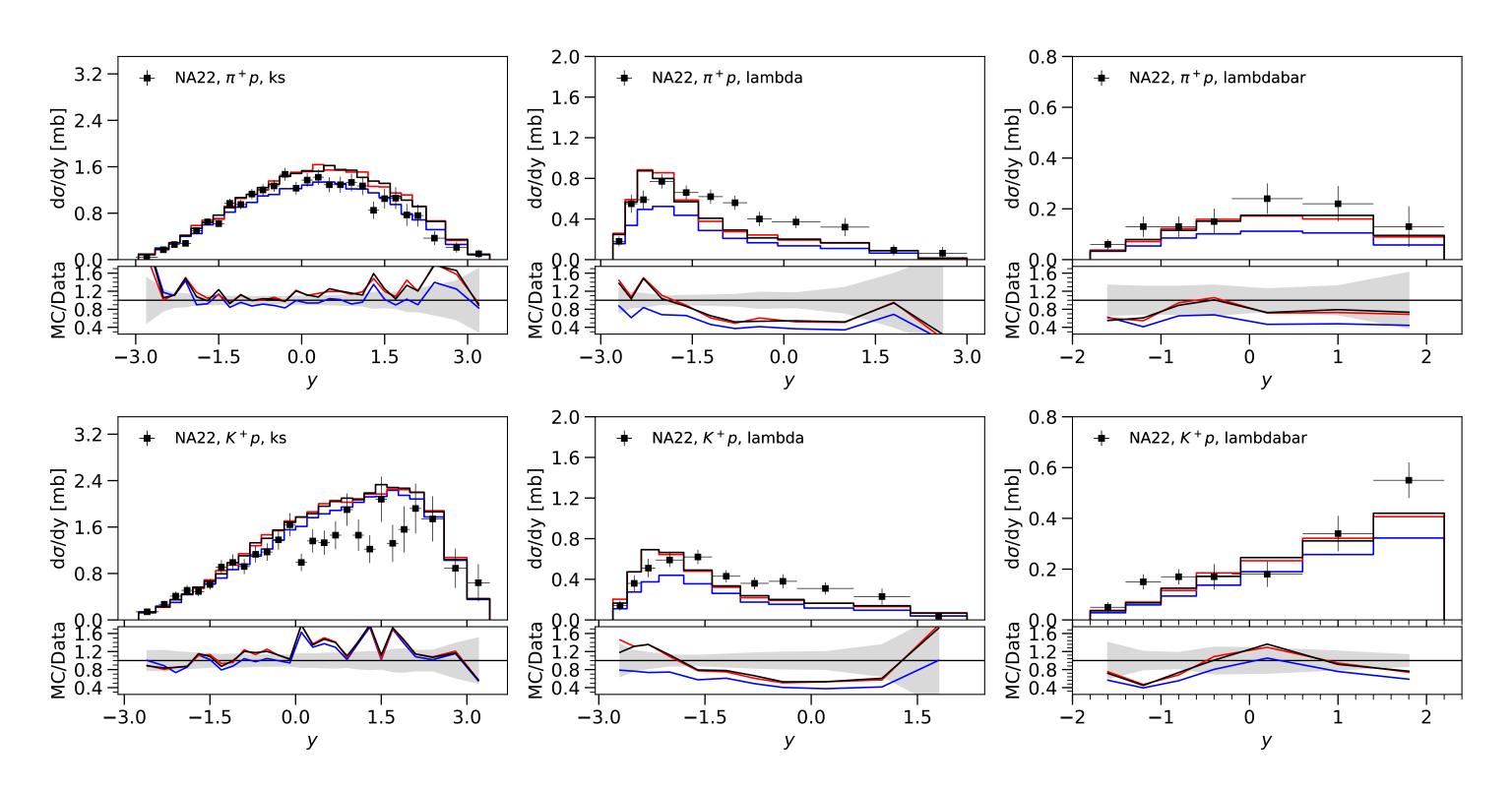


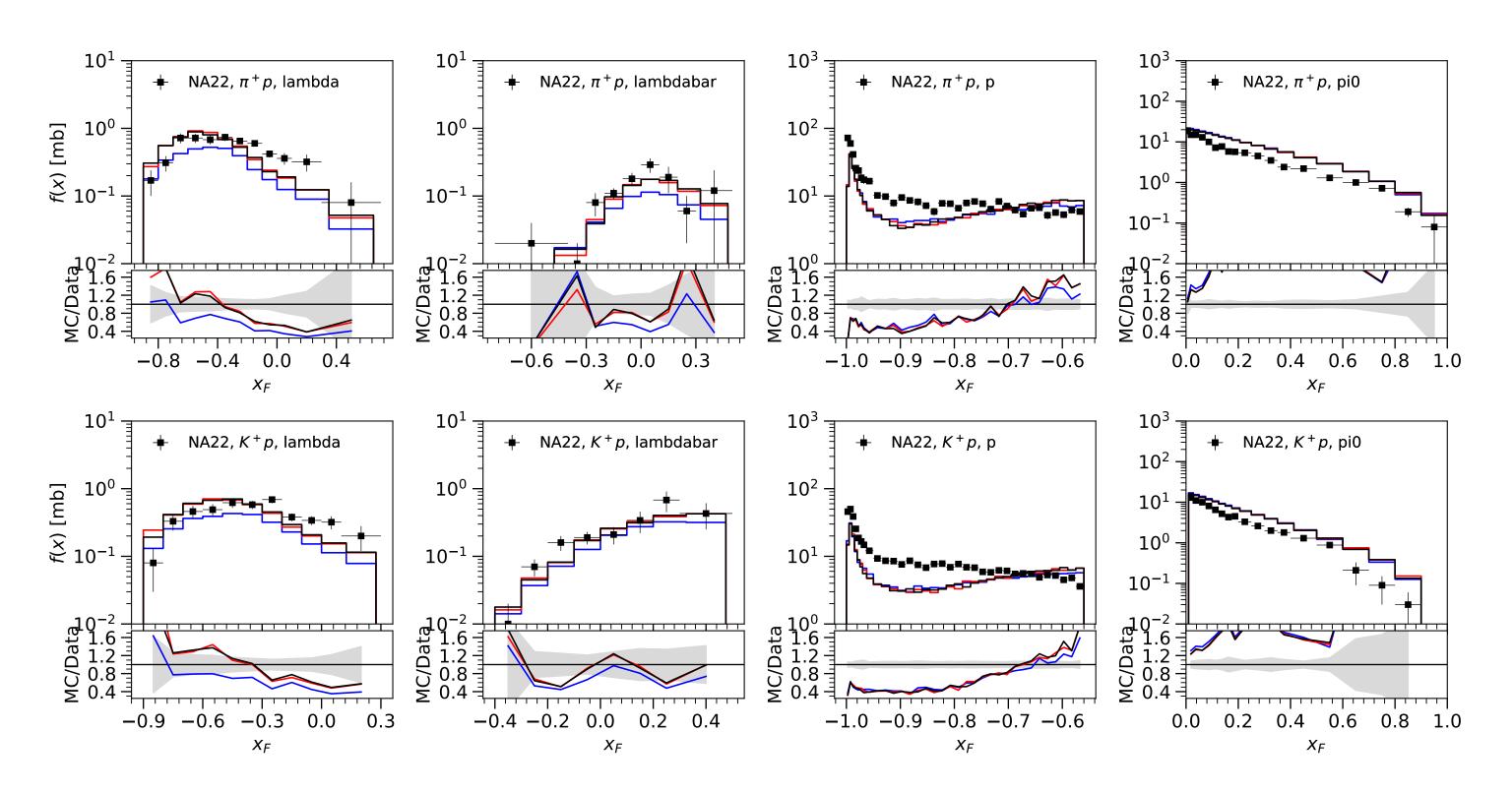


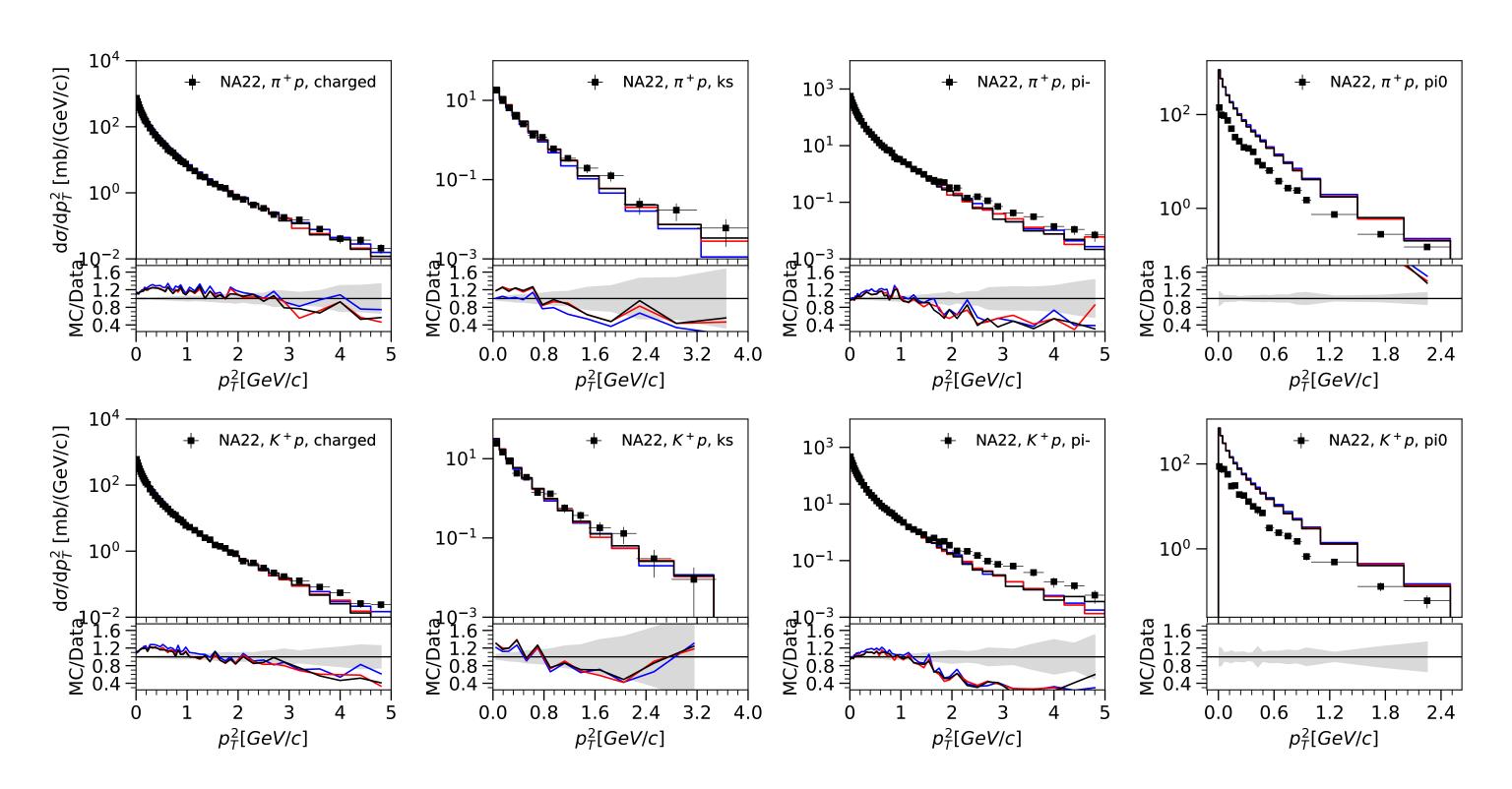
NA22: p-/ $\pi$ -/K-proton



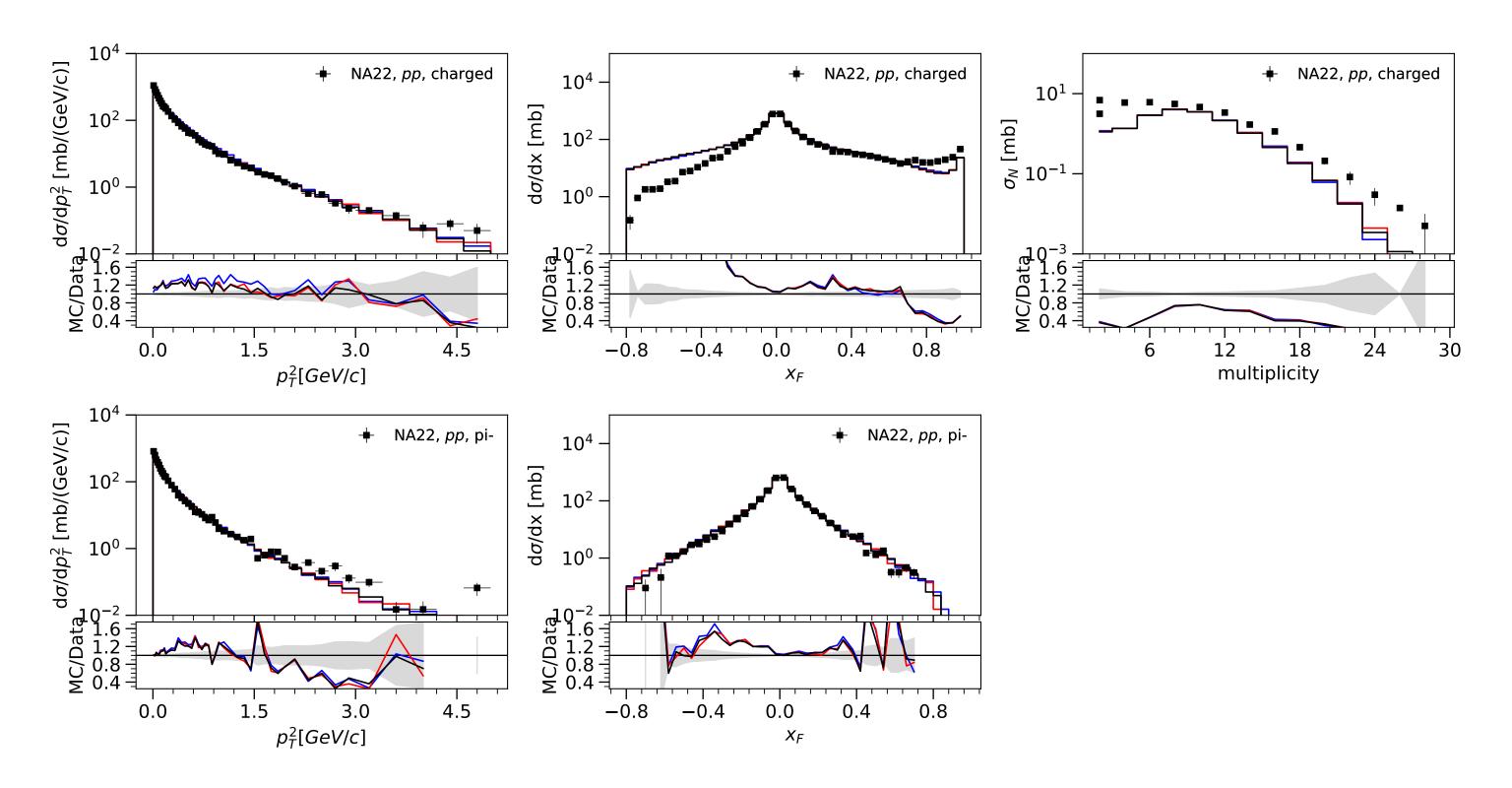






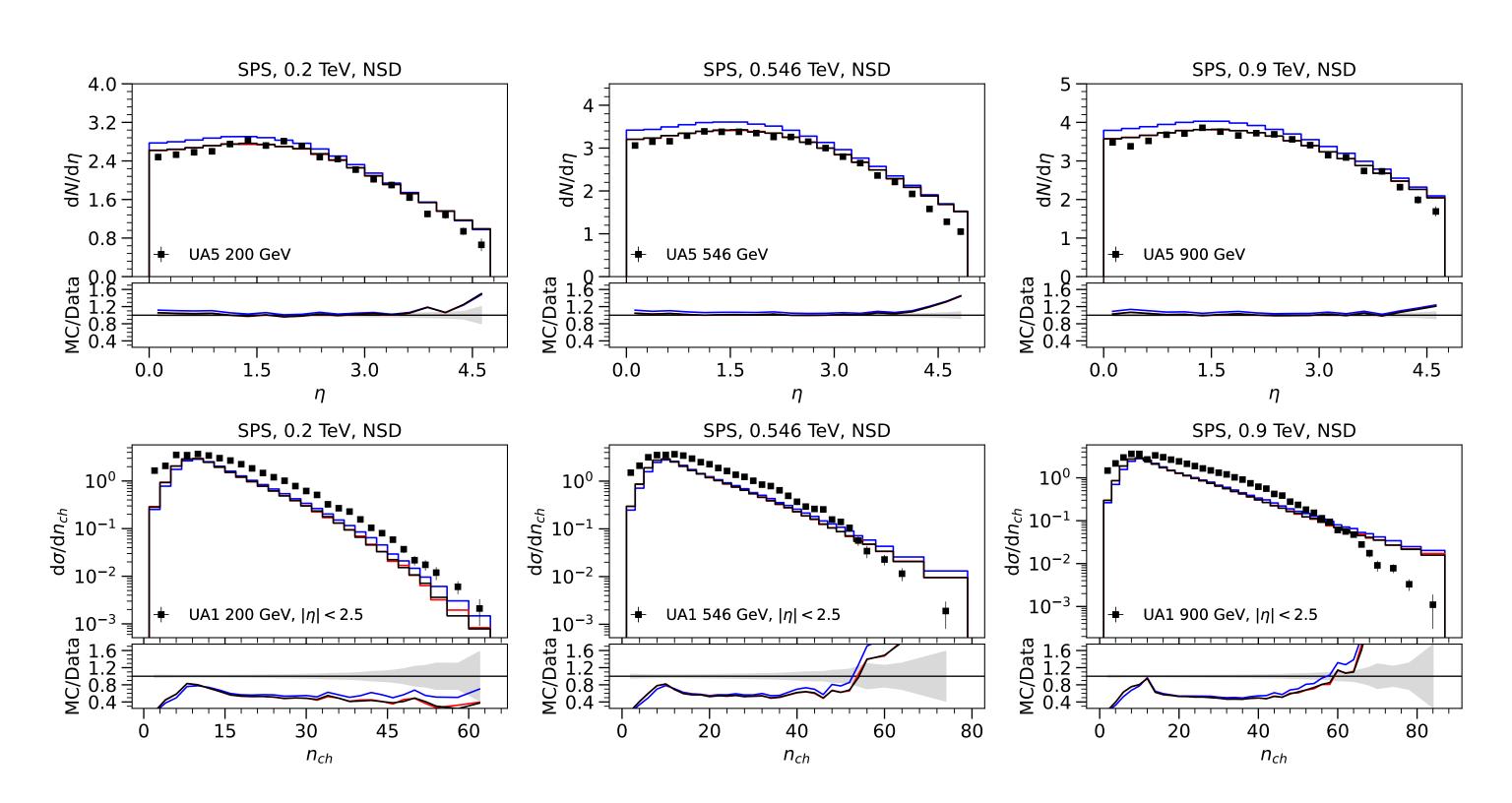


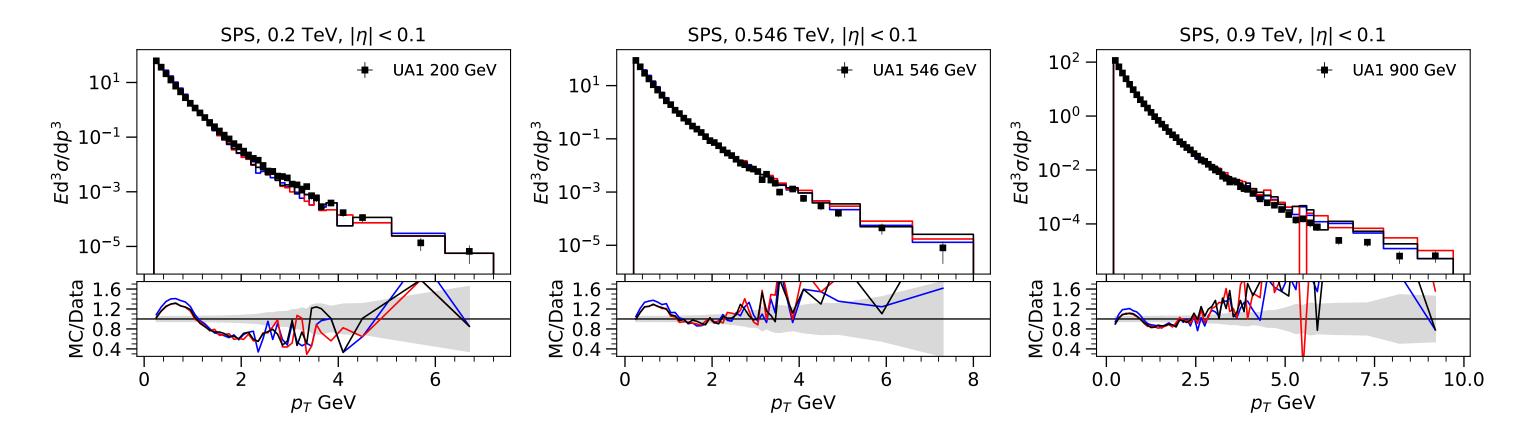




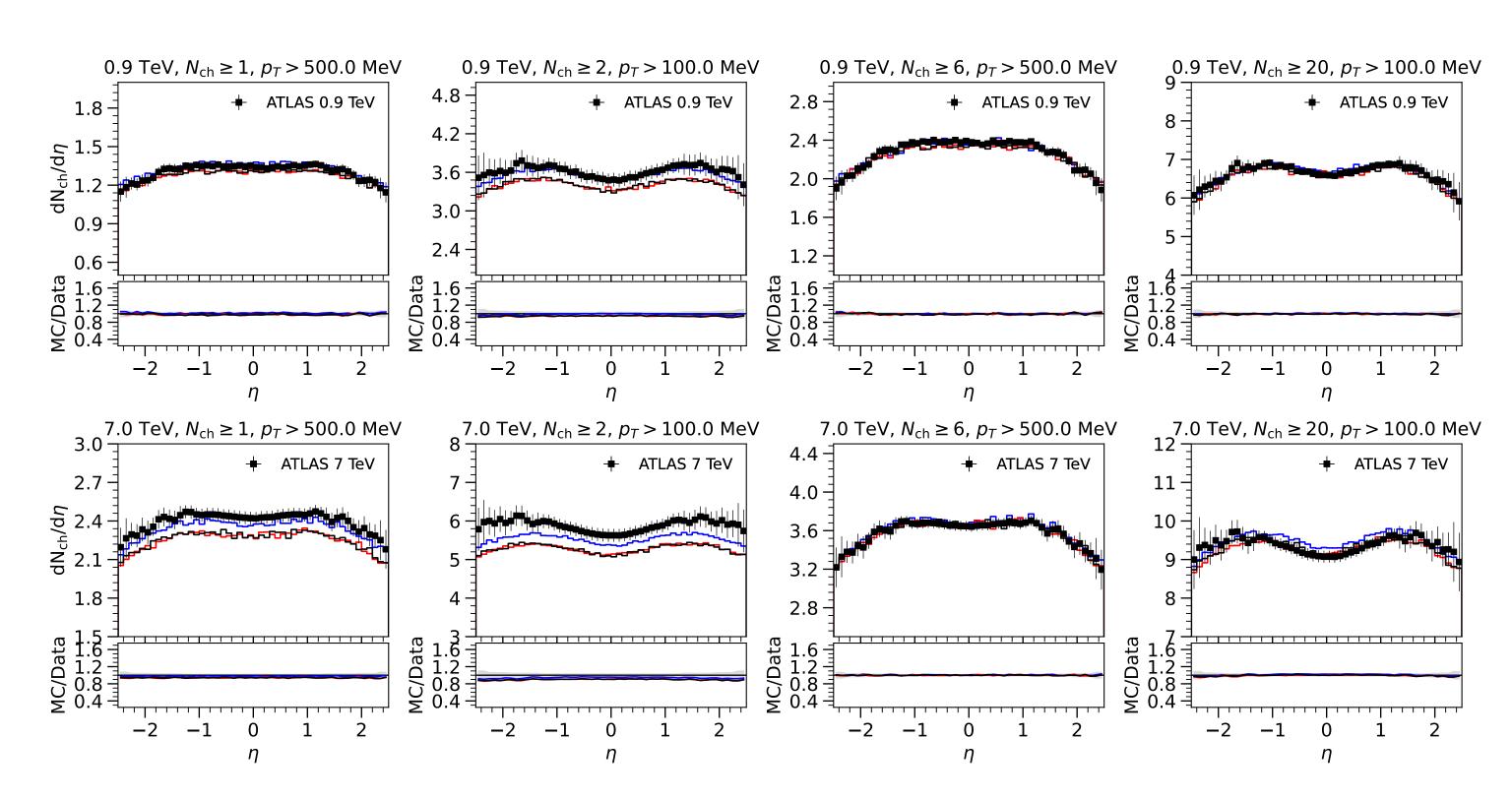
SPS: Minimum Bias



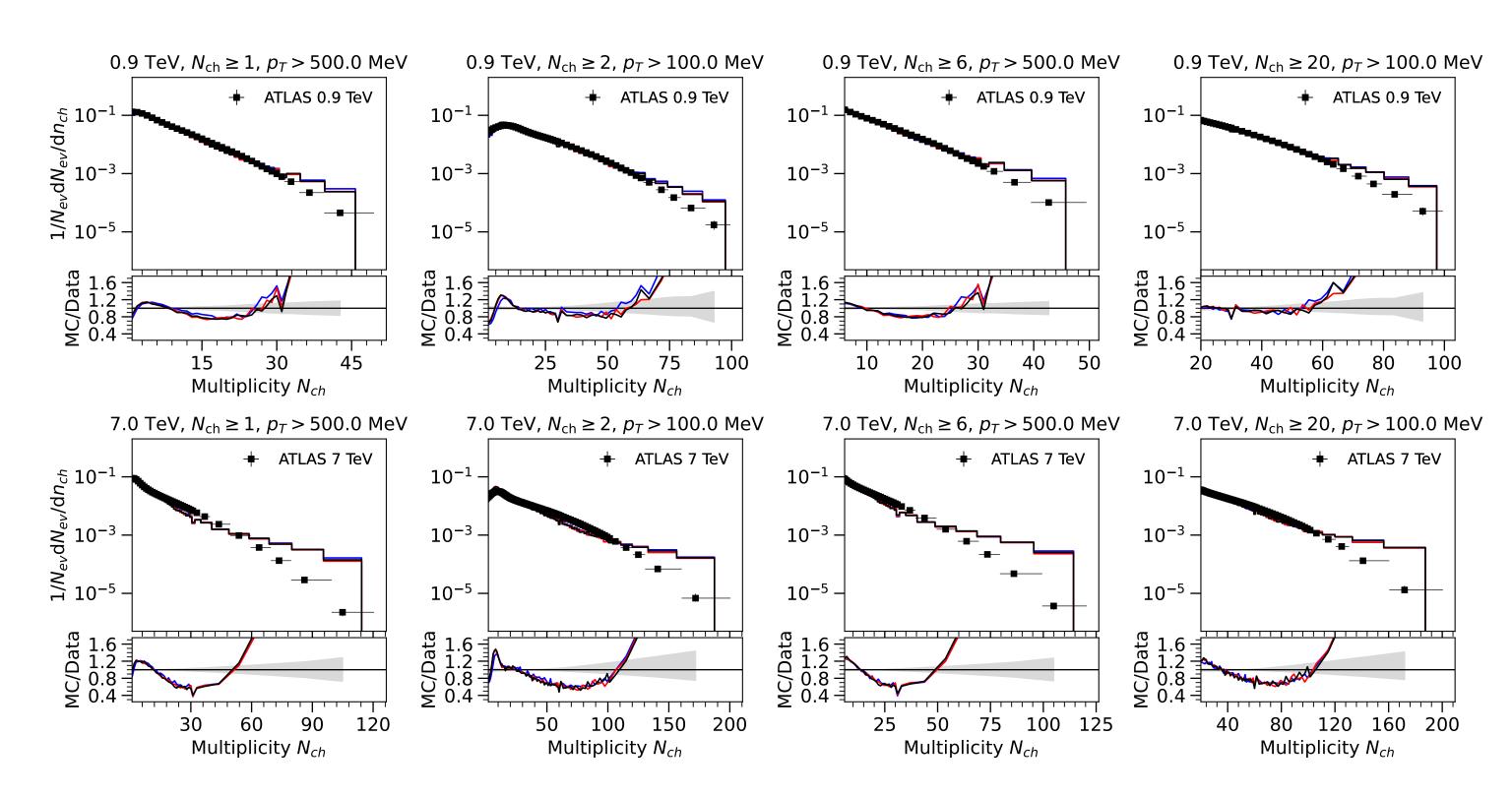




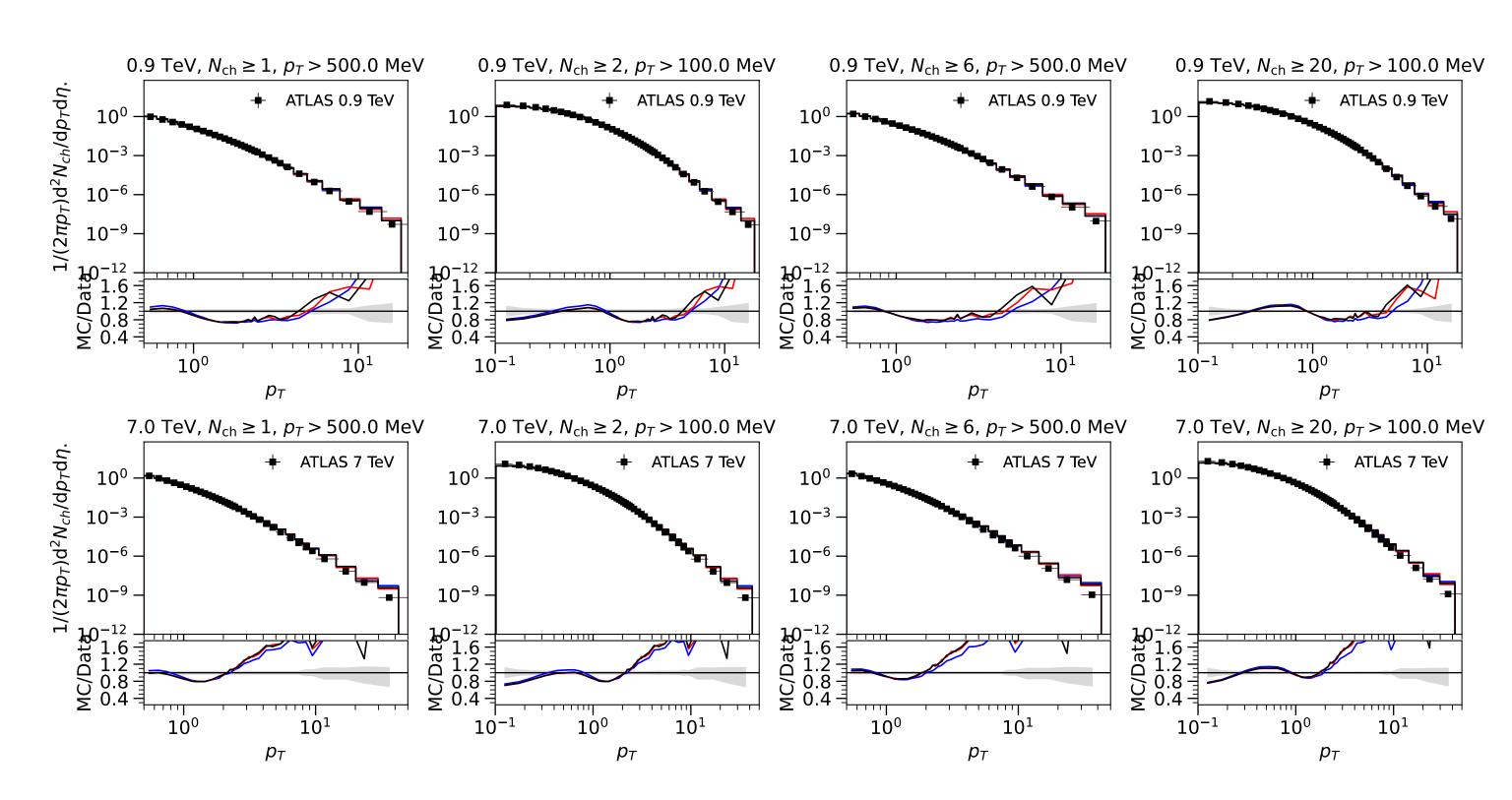
LHC: ATLAS Minimum Bias

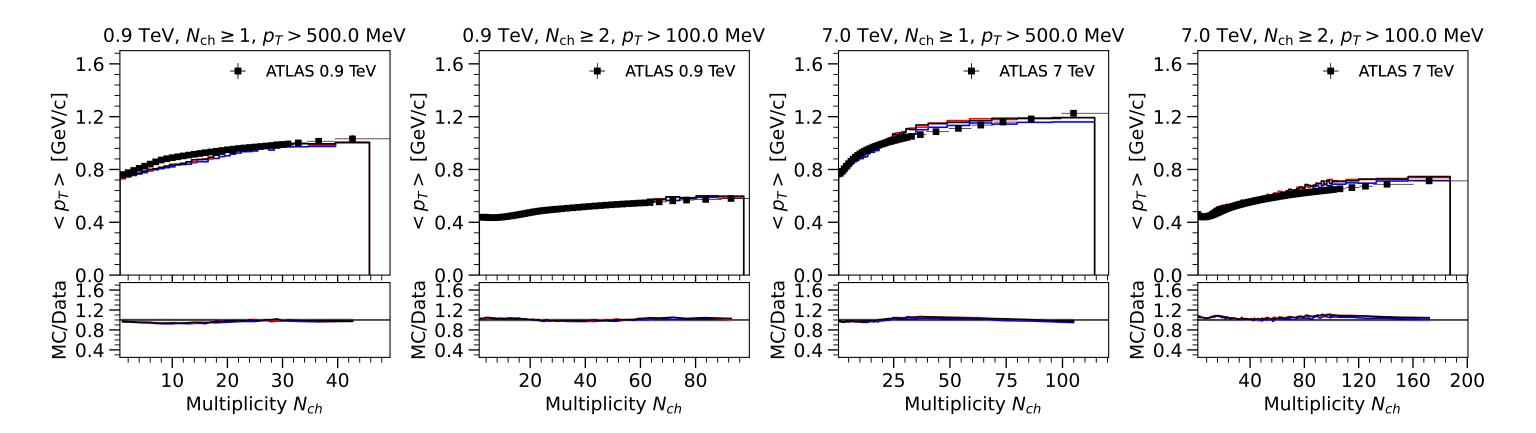






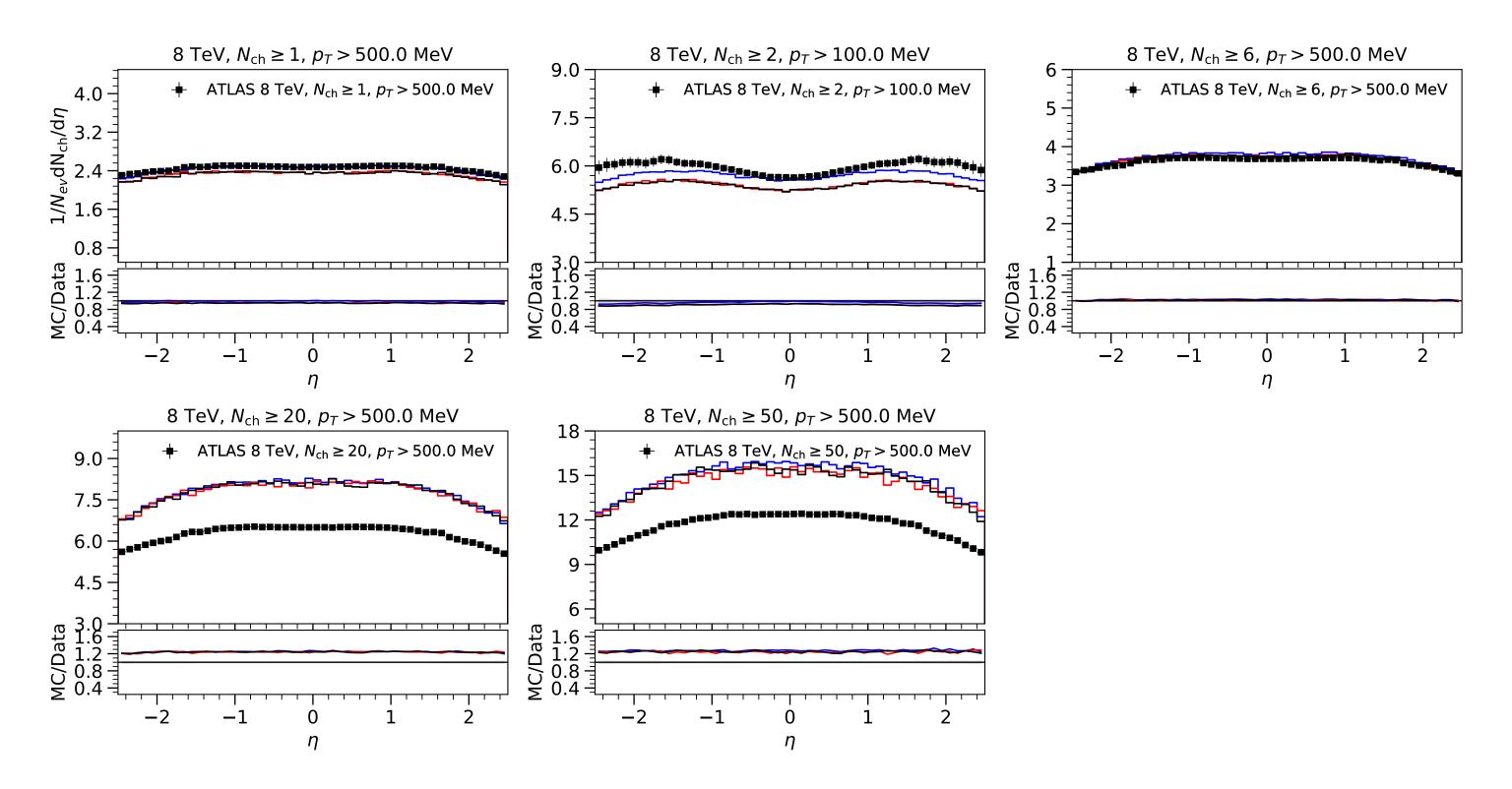


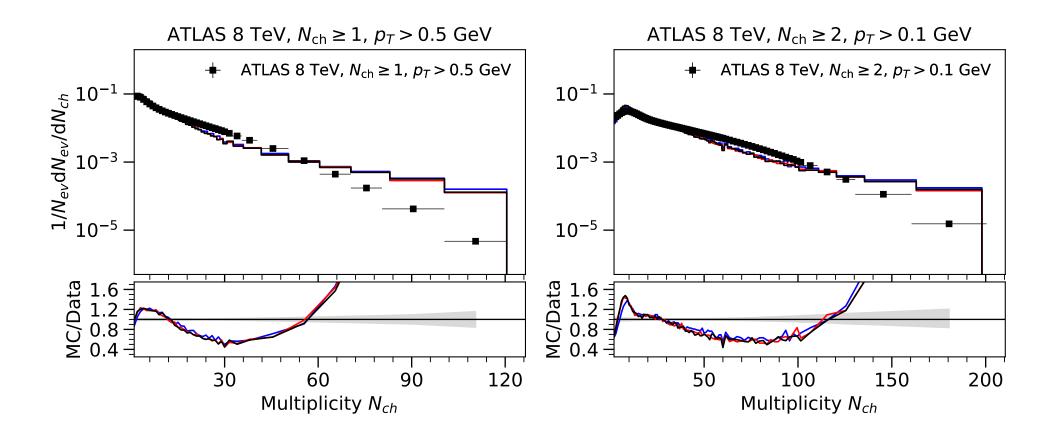




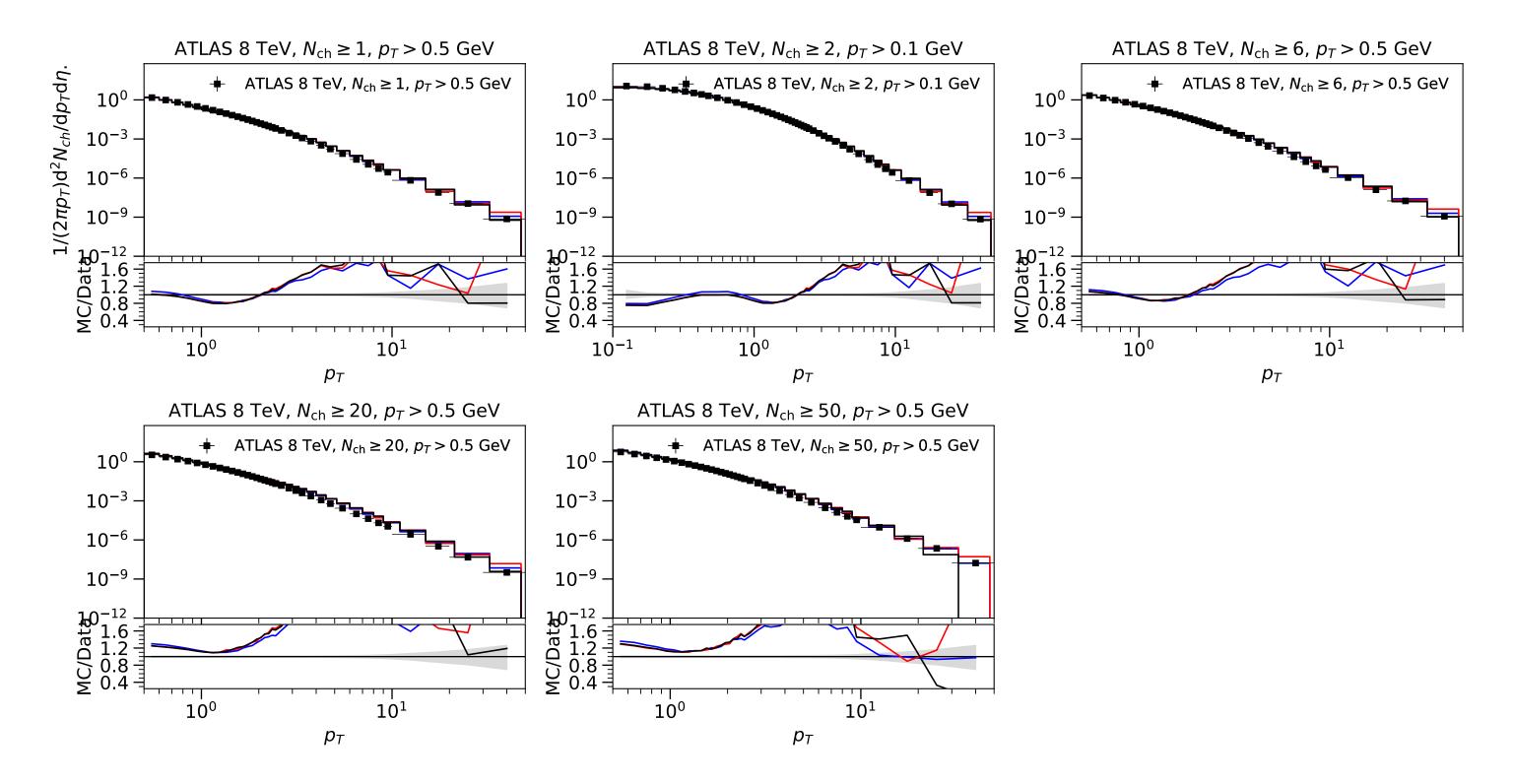
LHC: ATLAS Minimum Bias 8 TeV

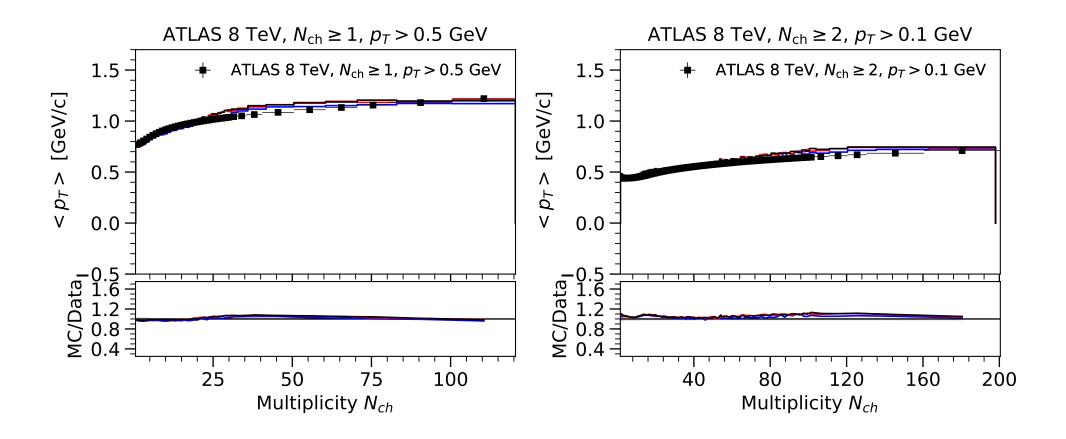




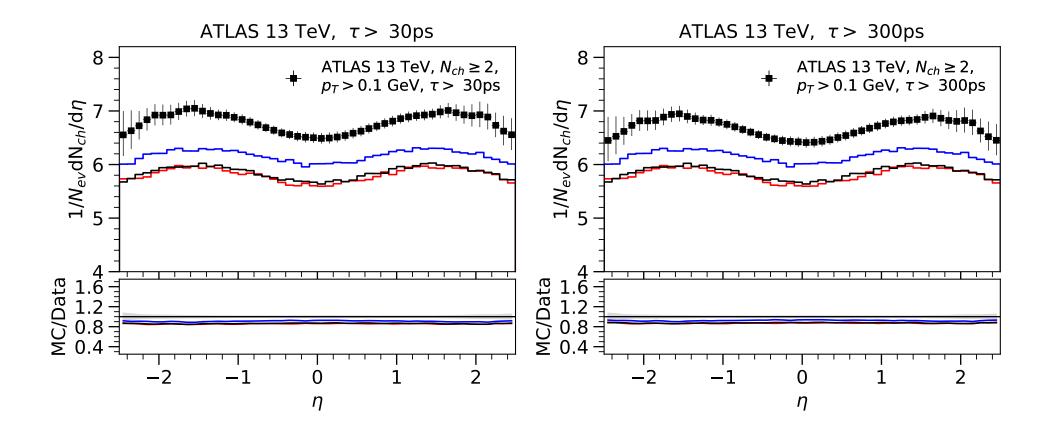


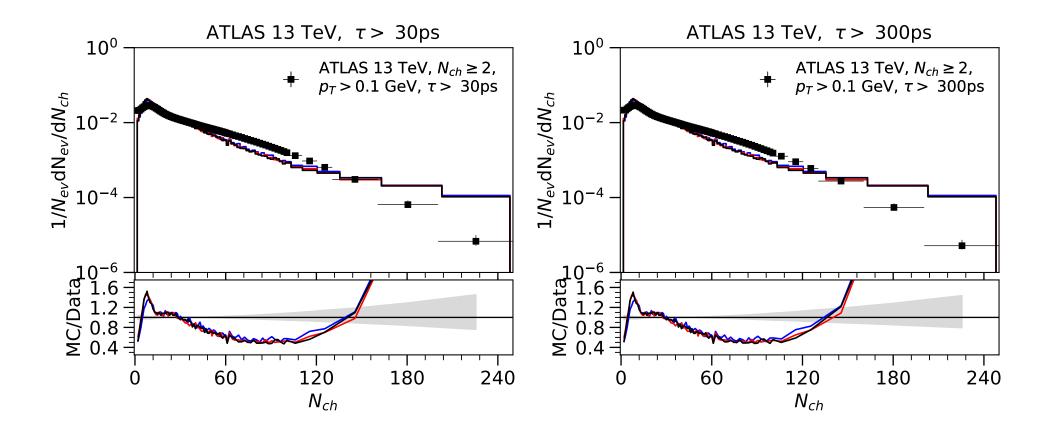




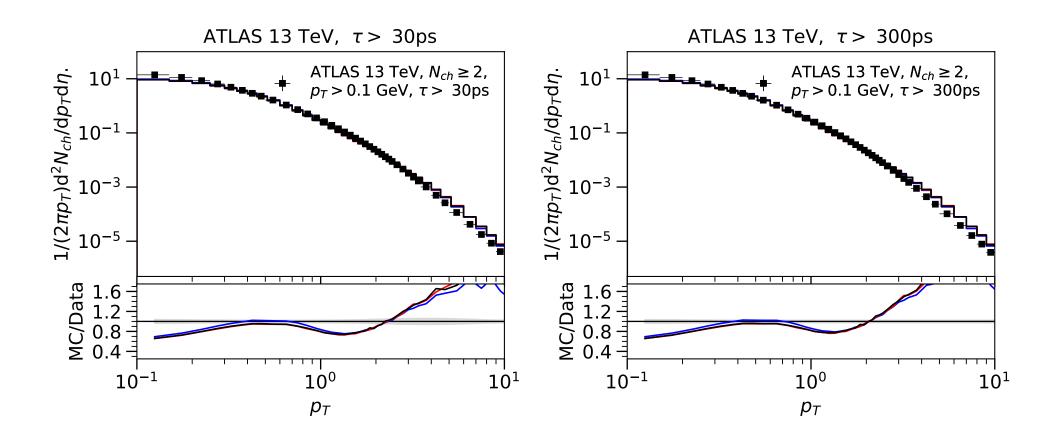


LHC: ATLAS Minimum Bias 13 TeV

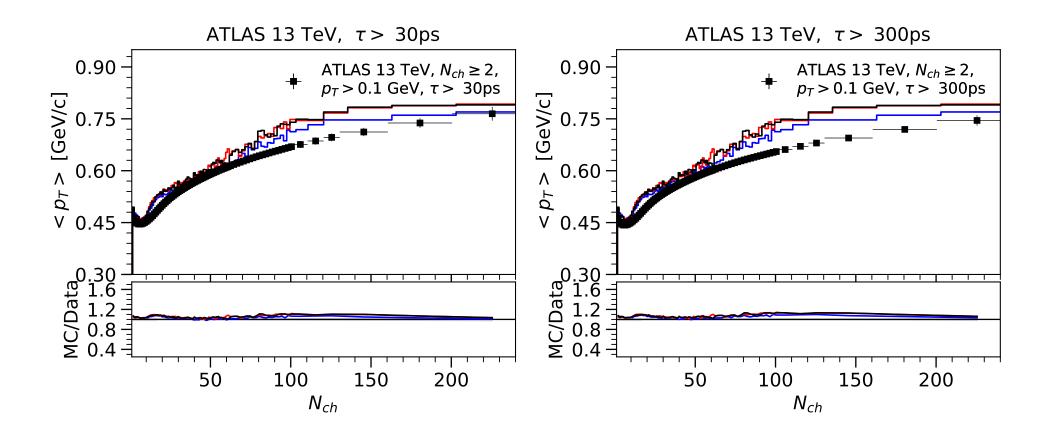






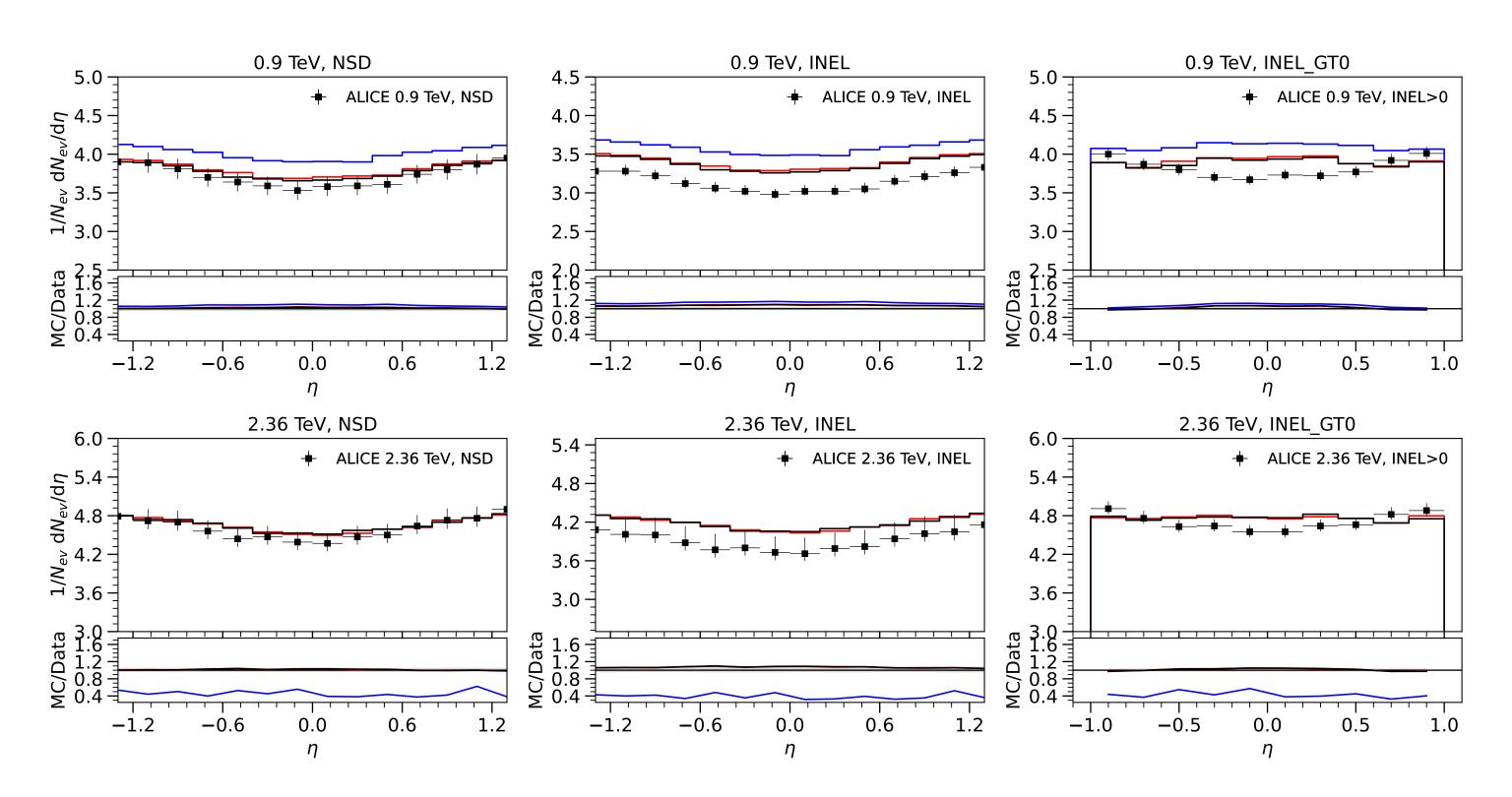


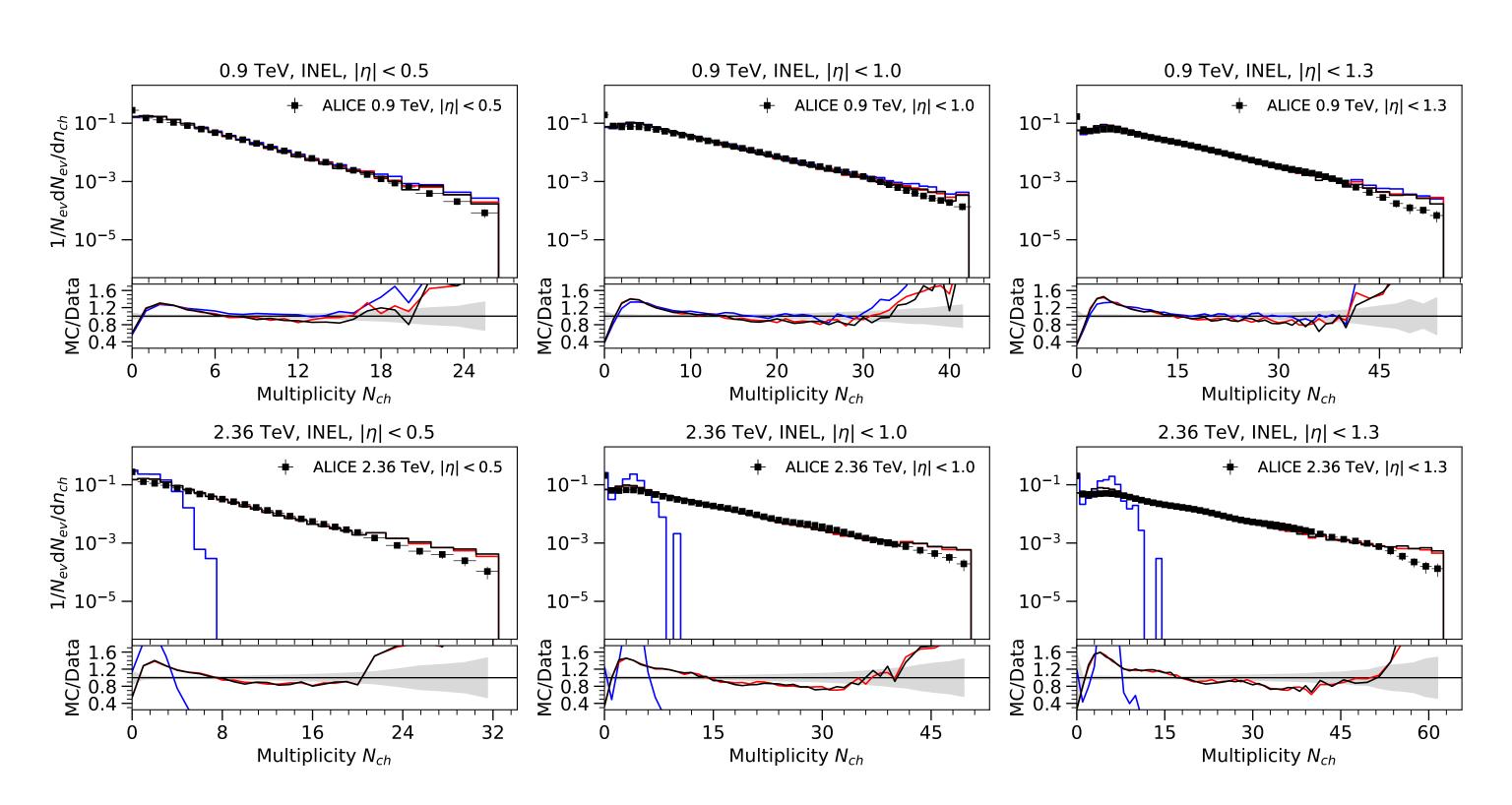




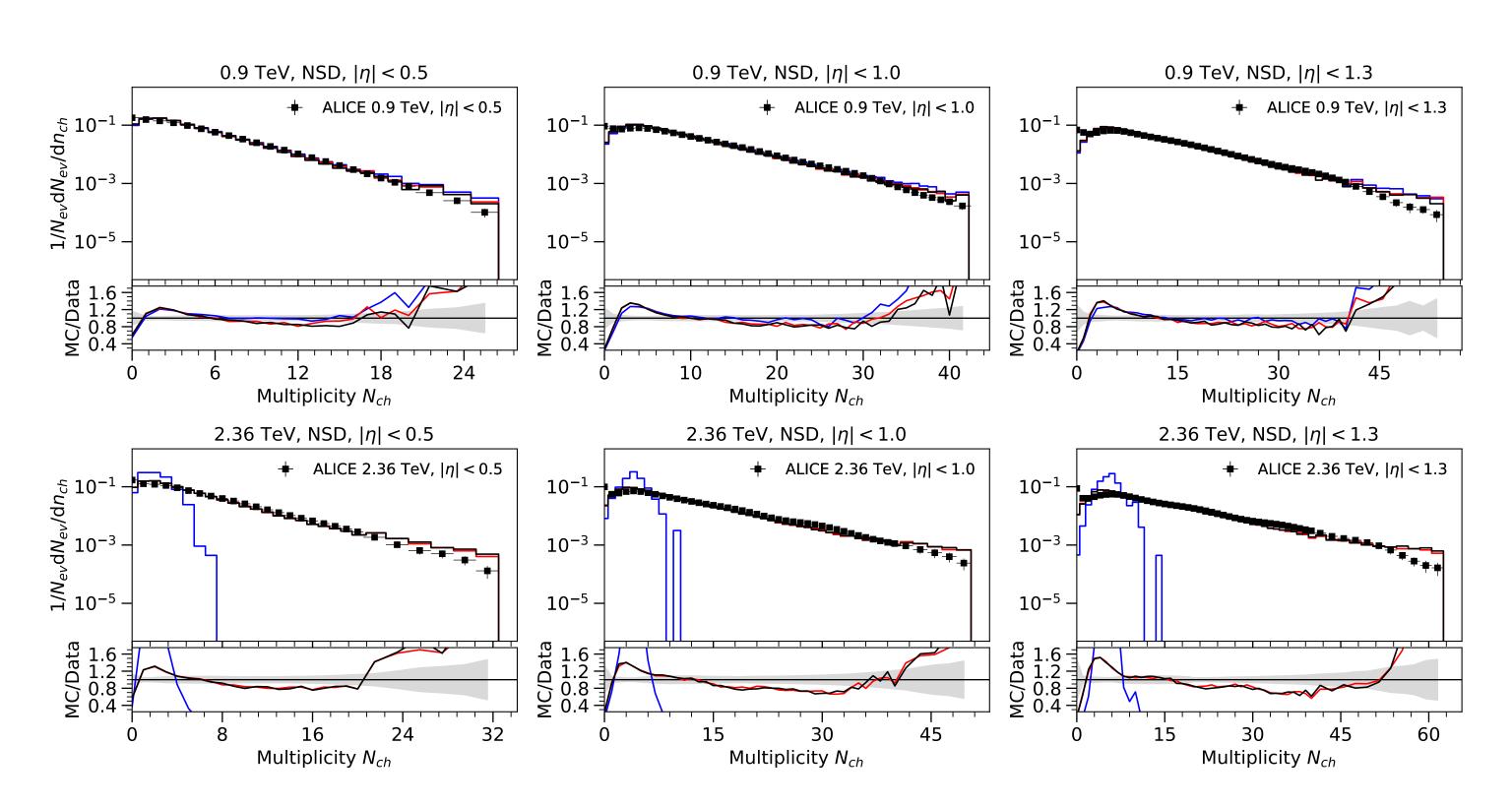
LHC: ALICE Minimum Bias

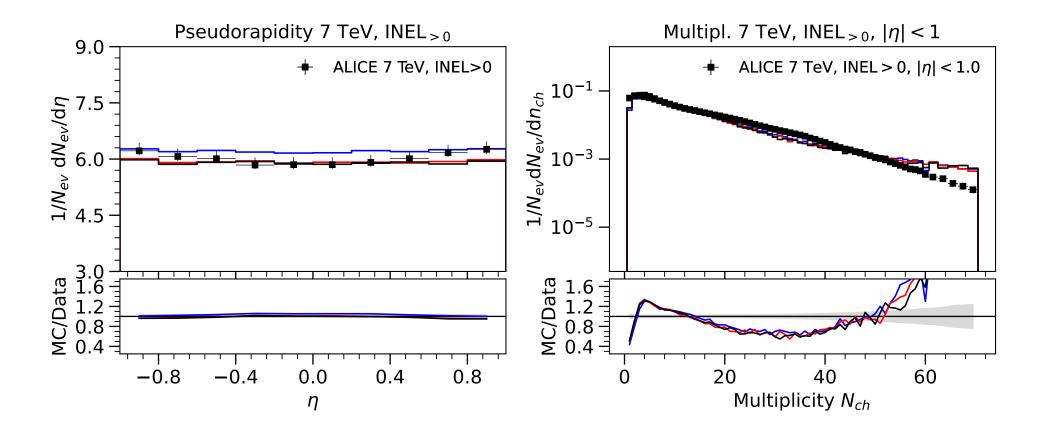






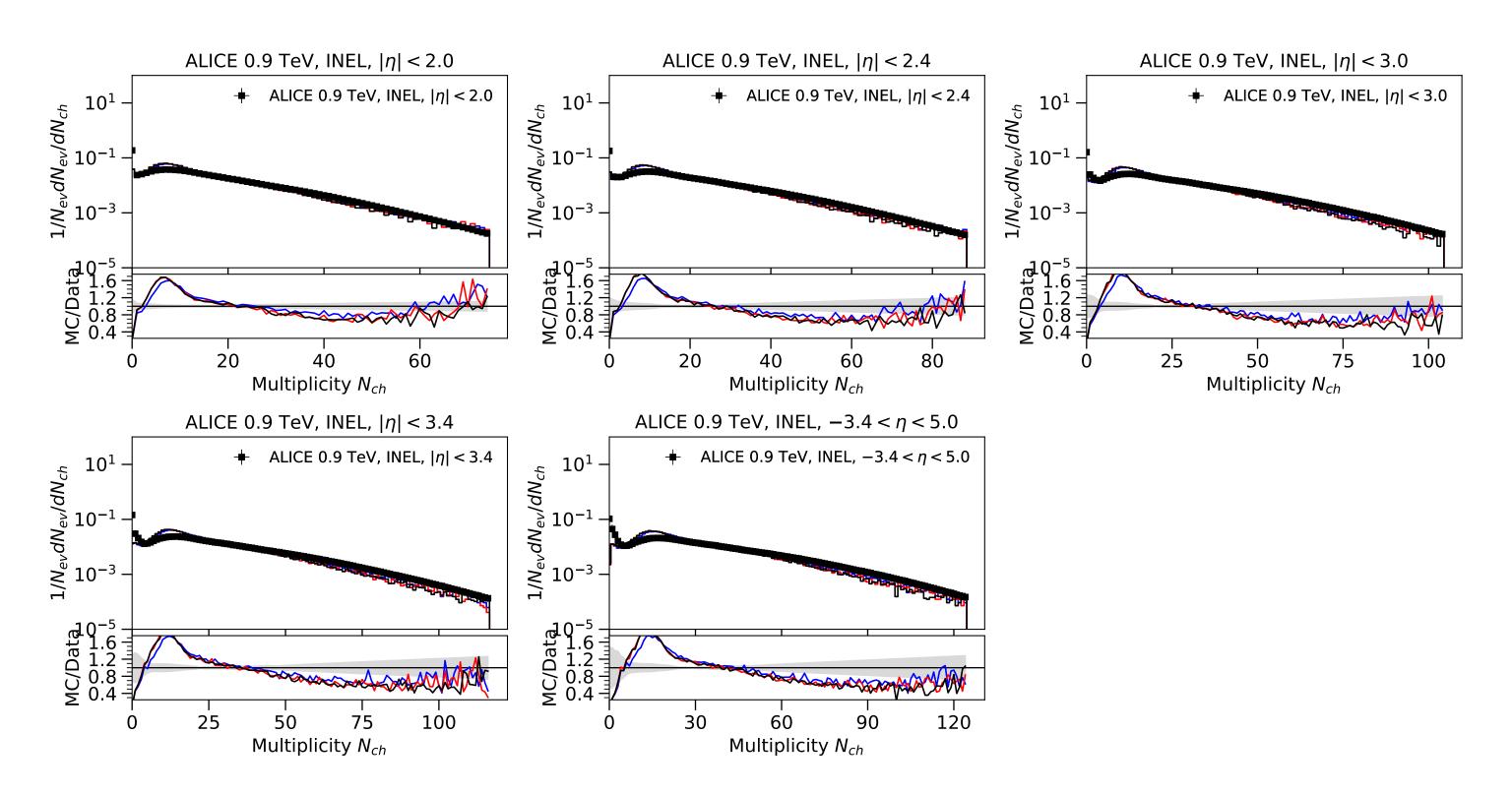




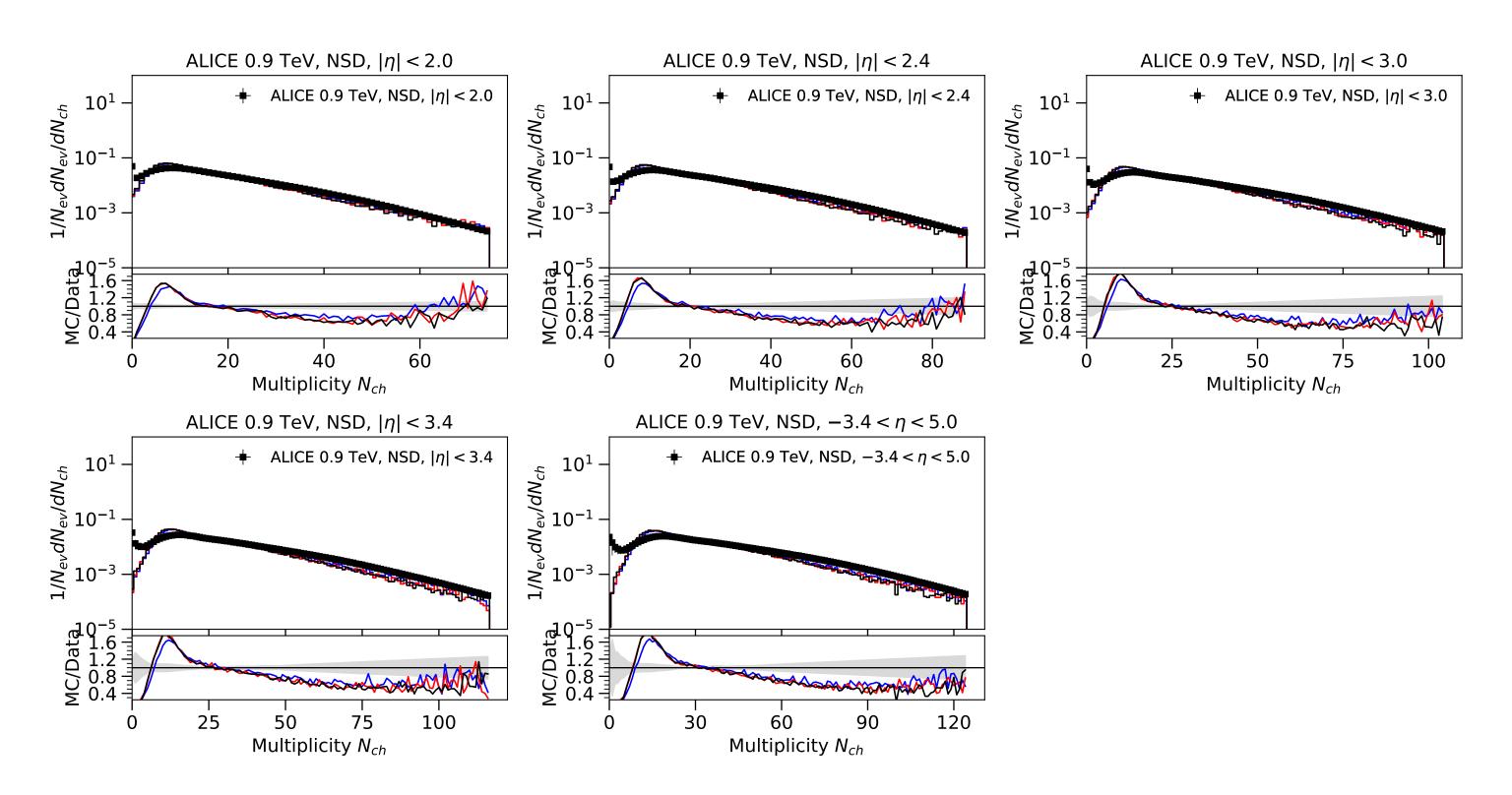


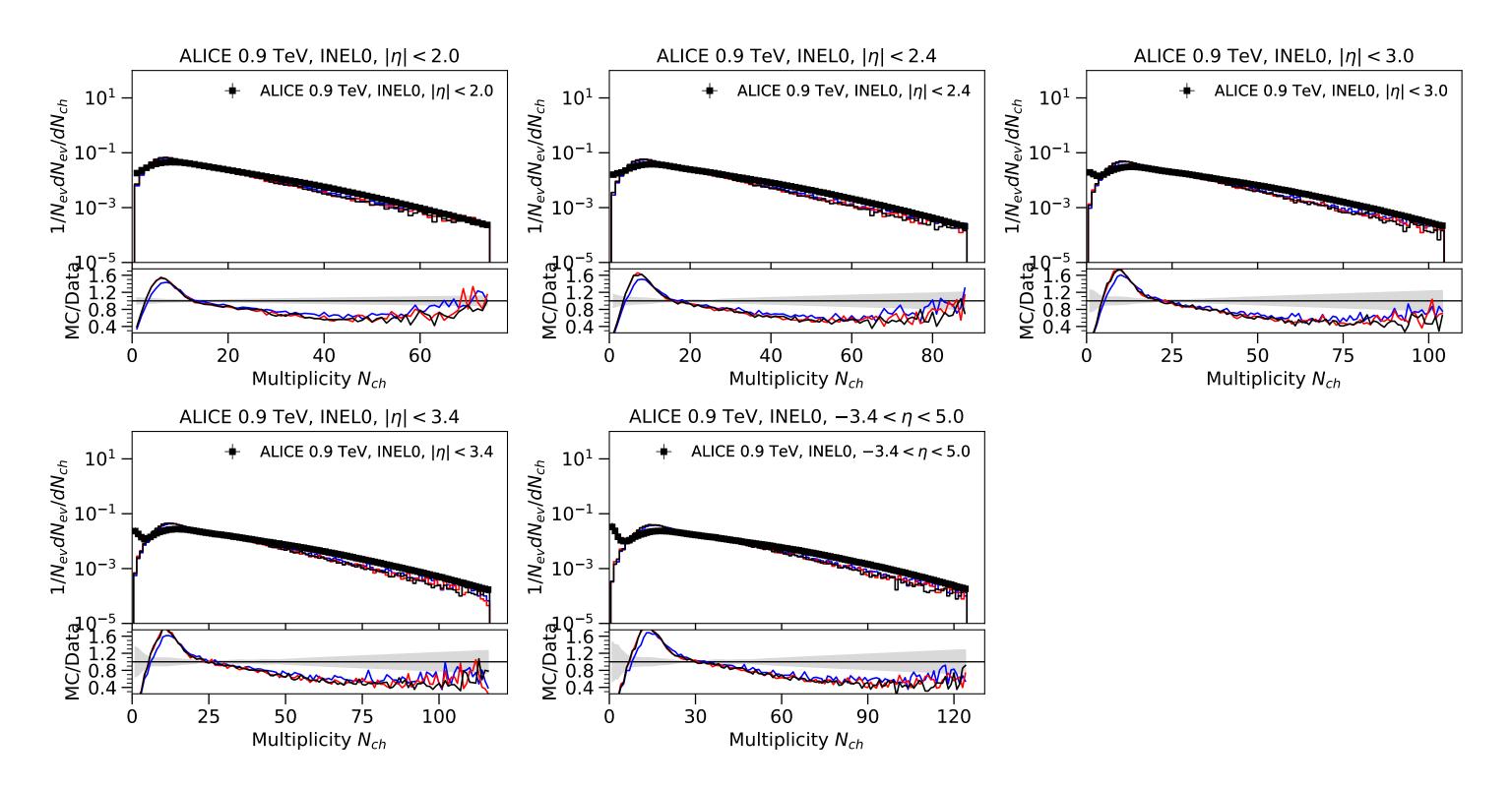
LHC: ALICE Minimum Bias 2017



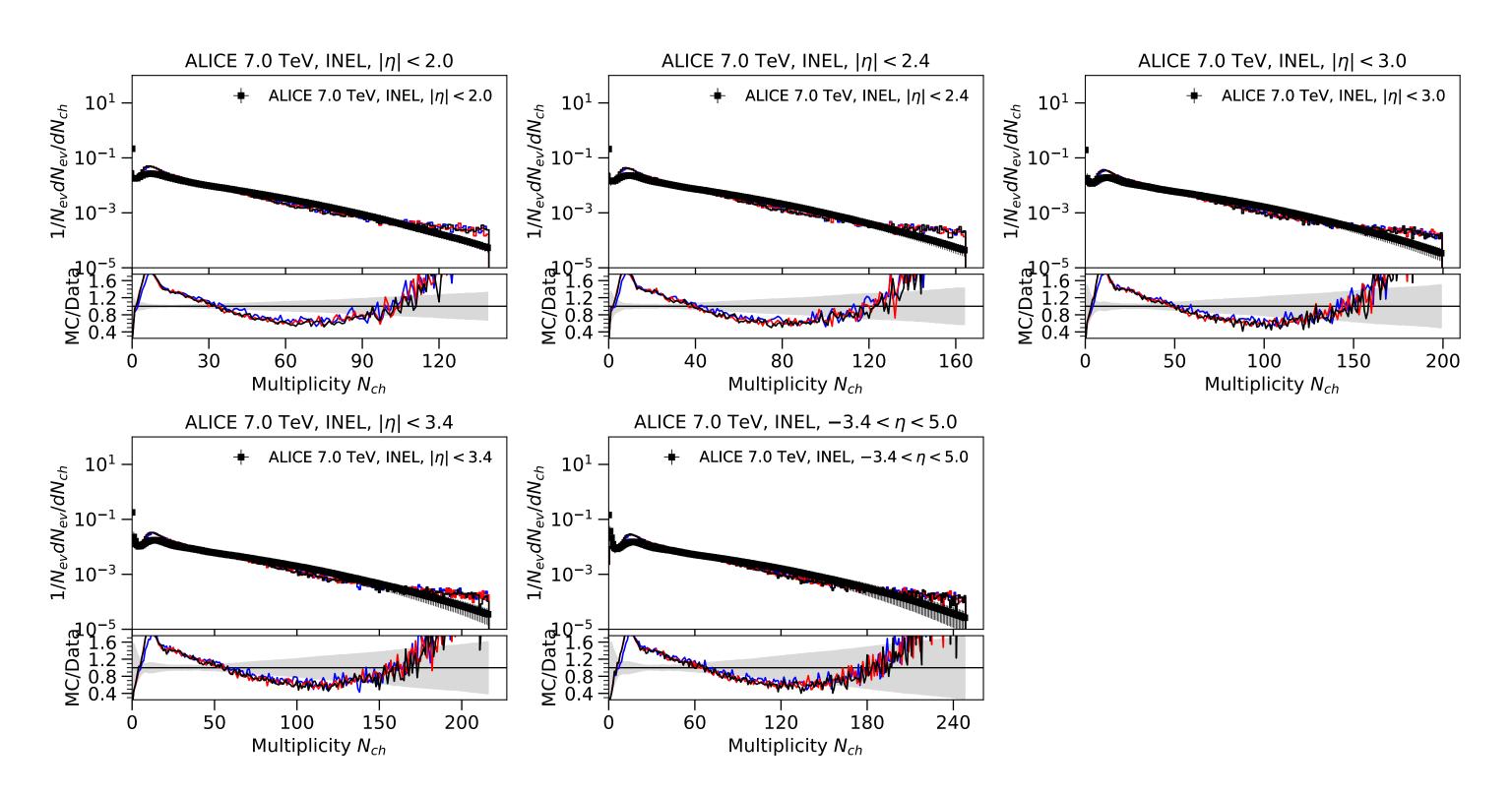




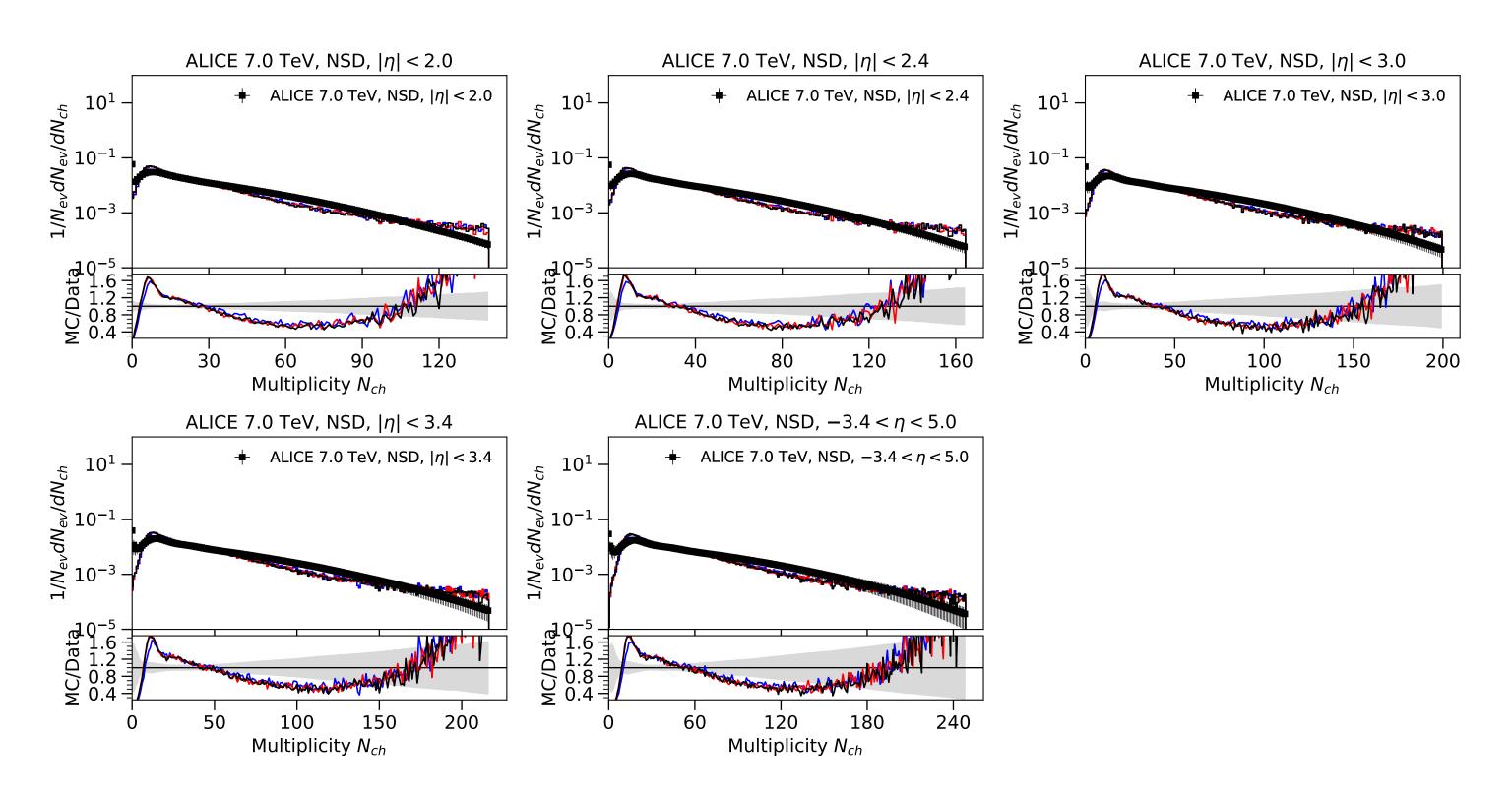




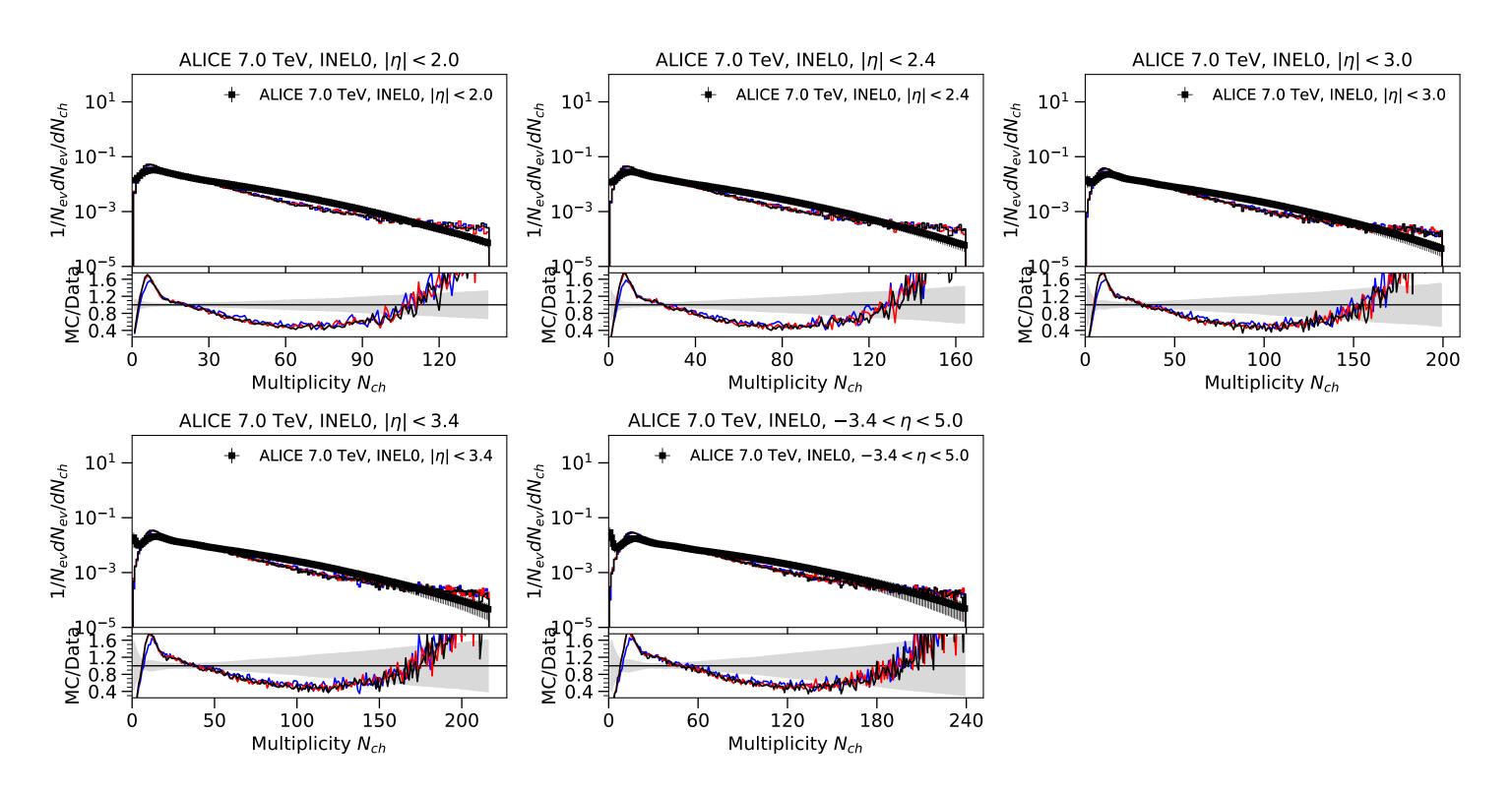




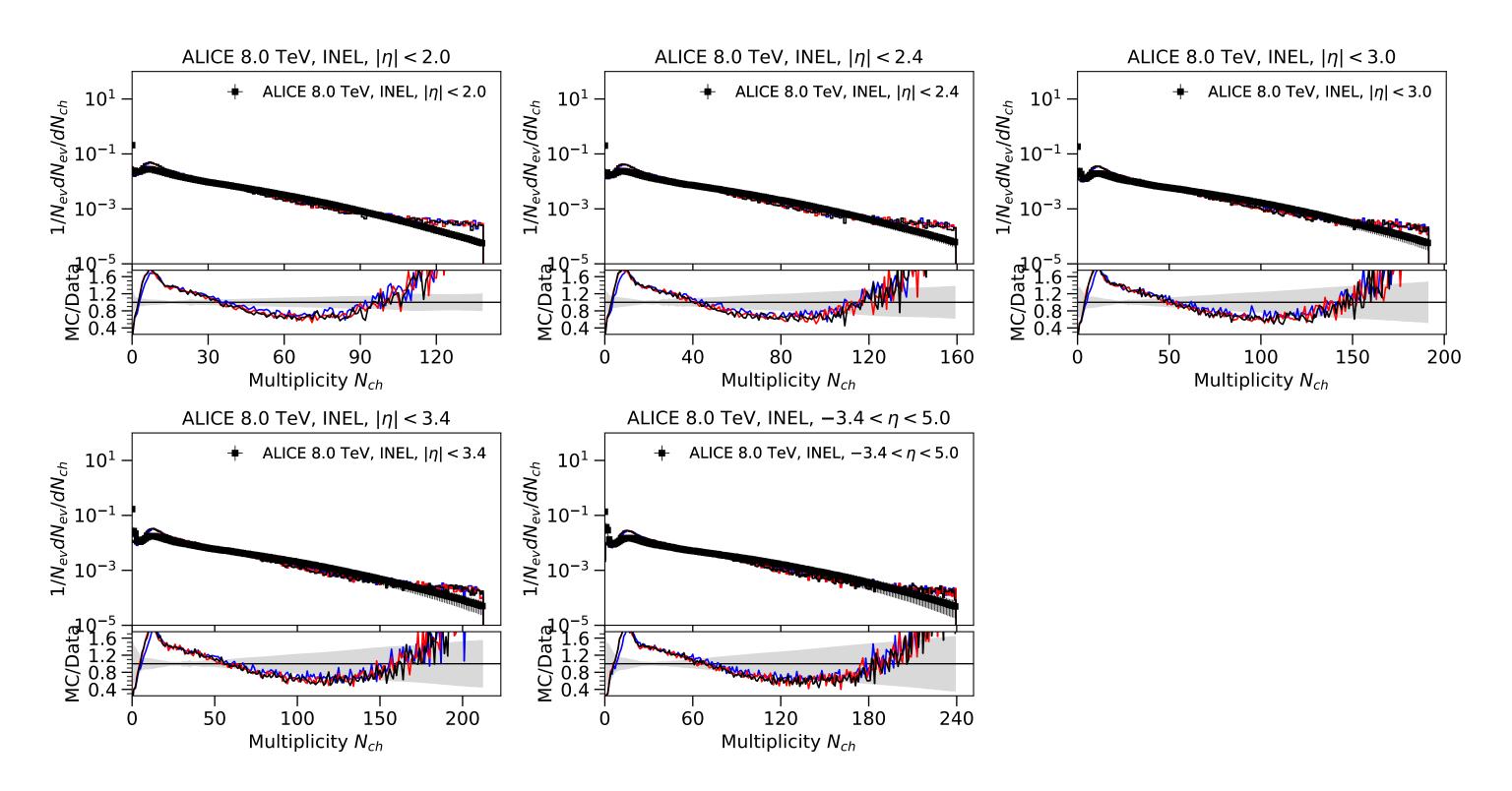




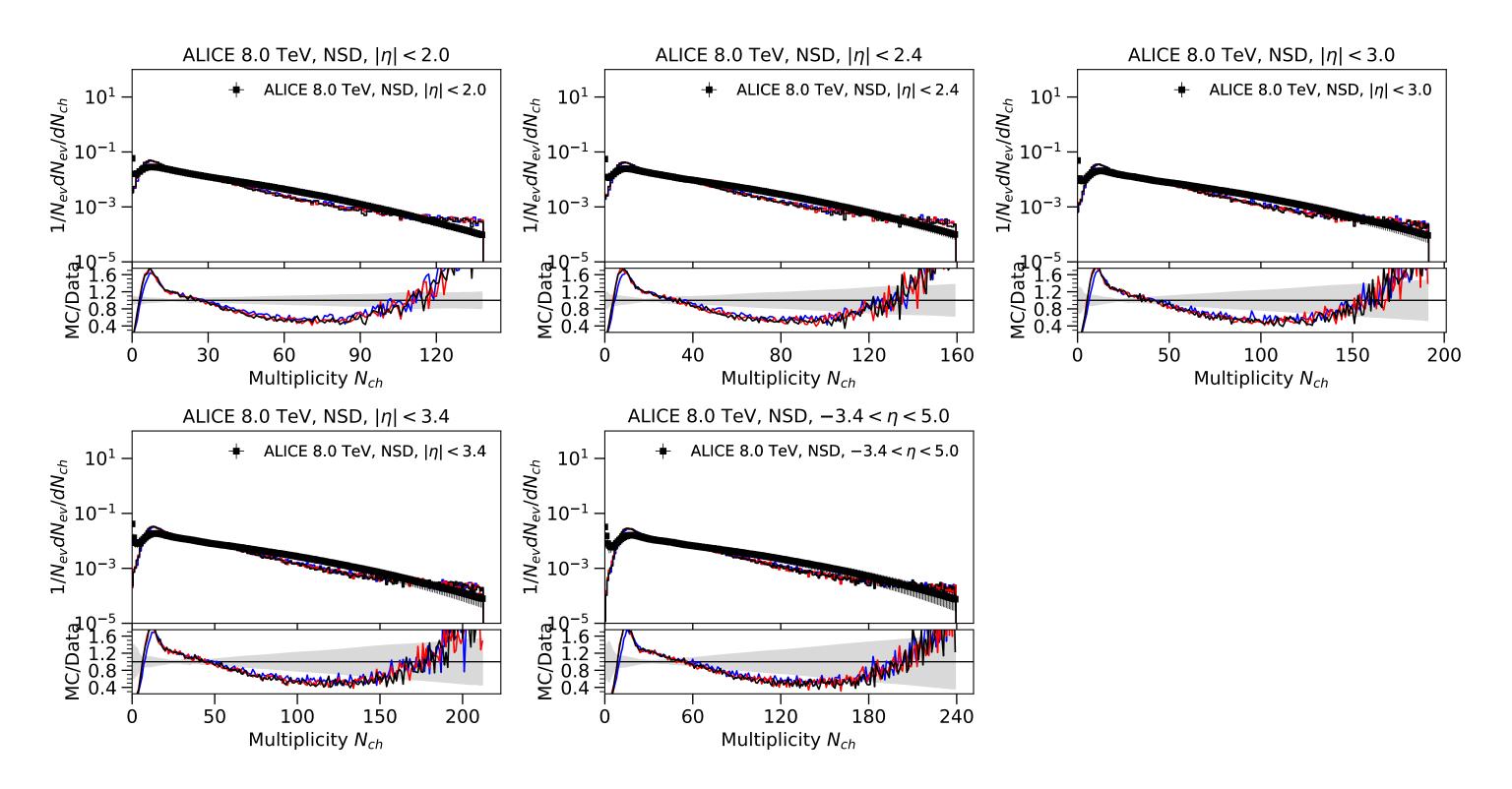




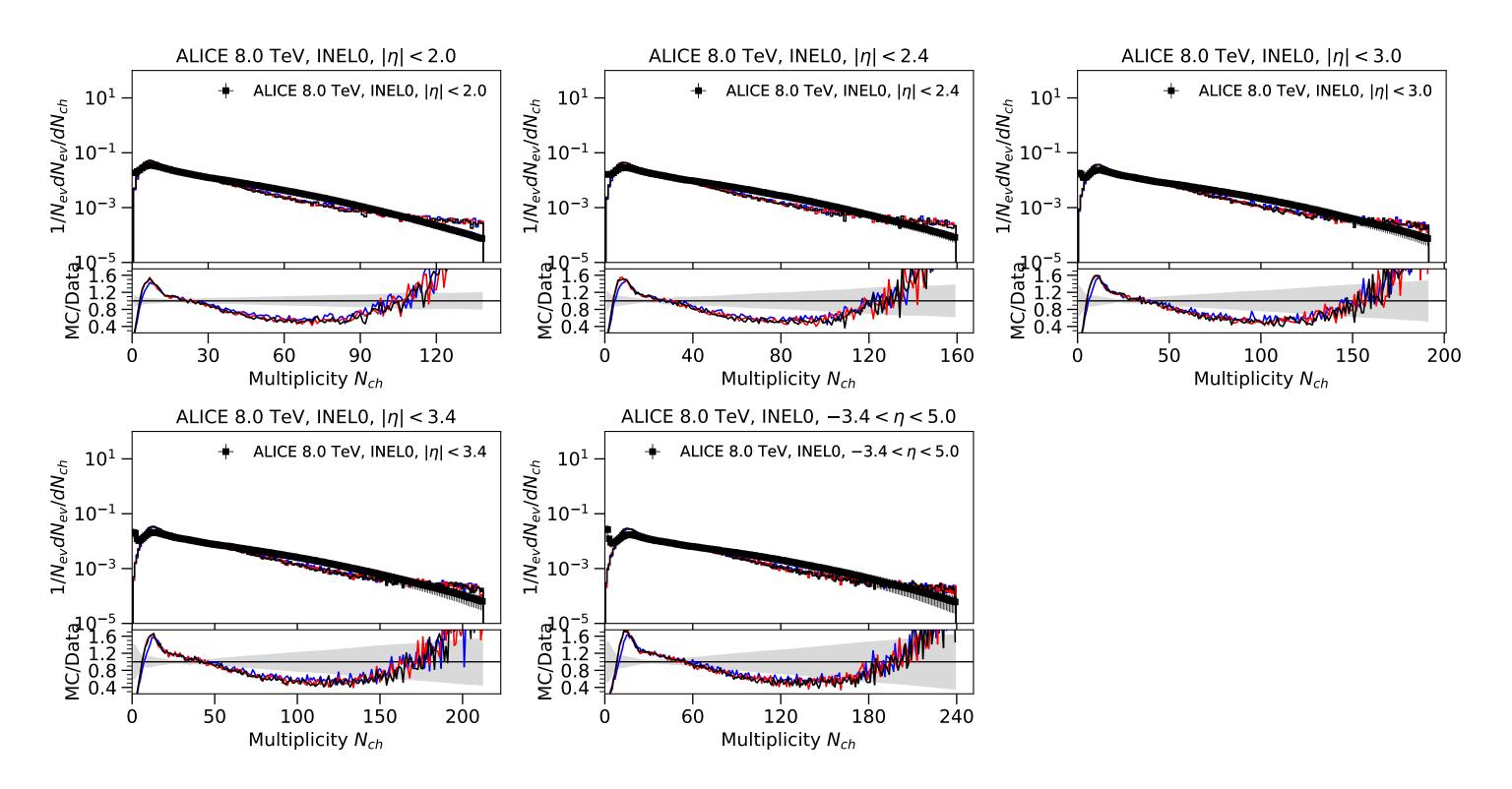






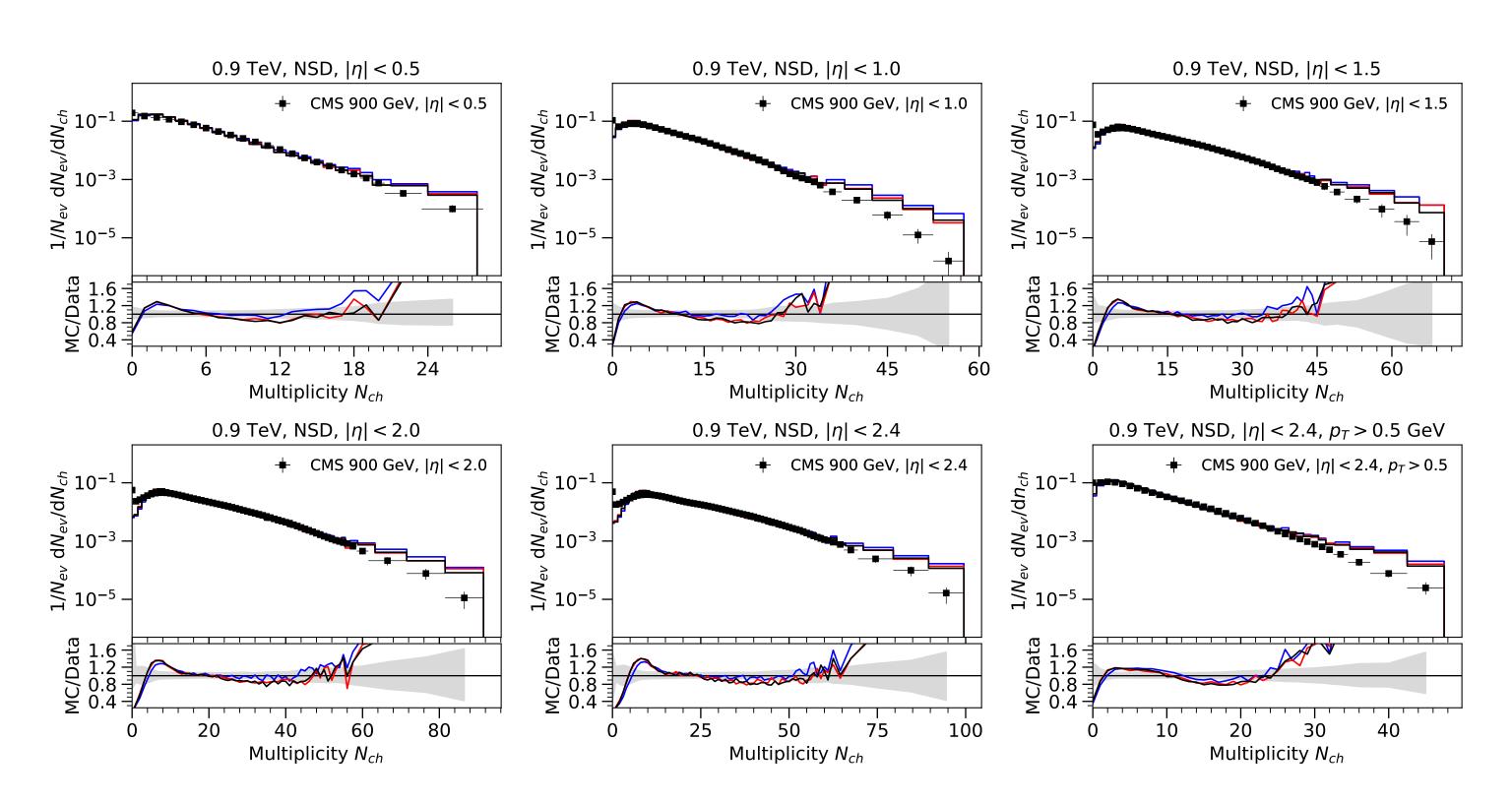




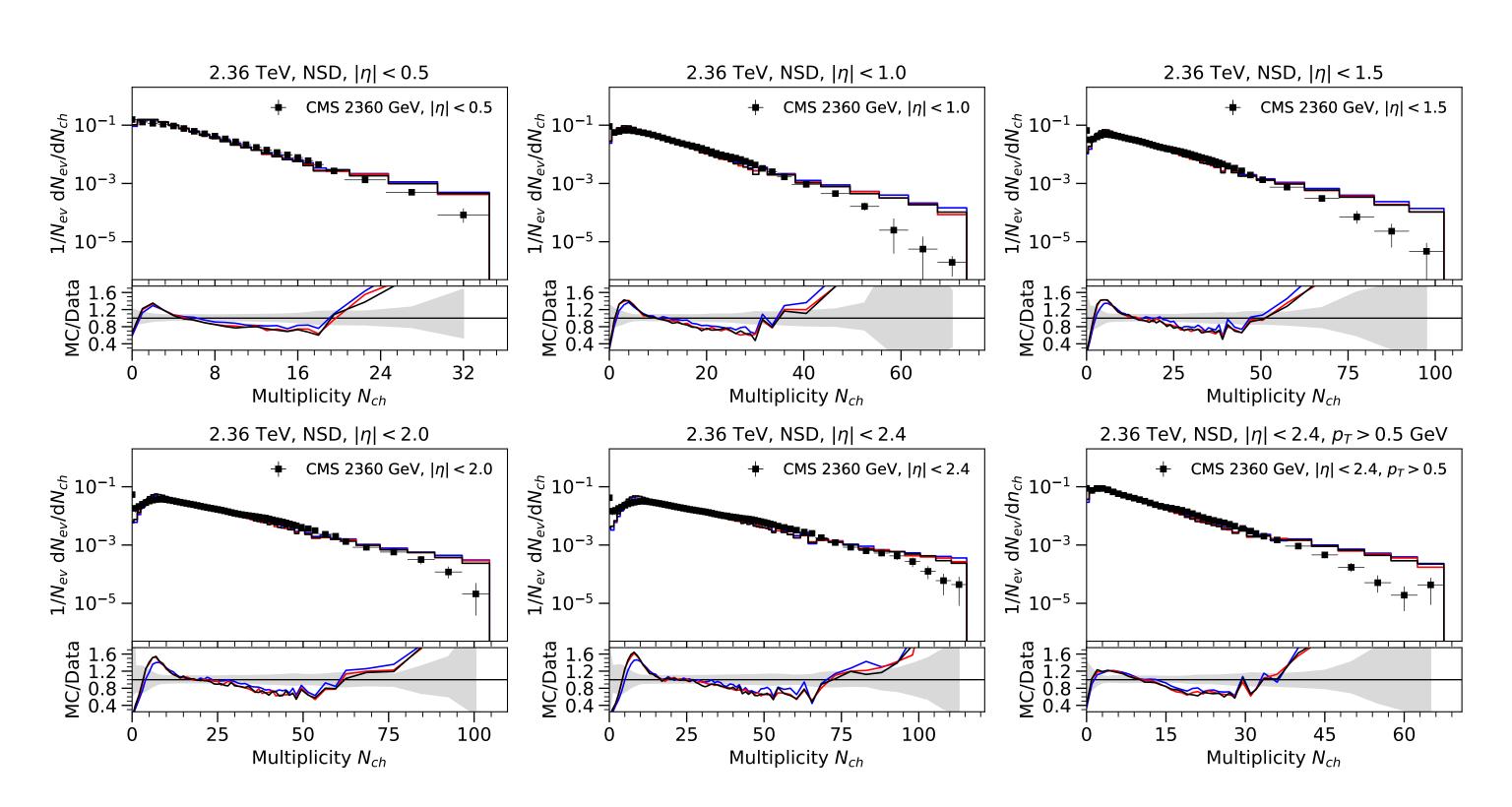


LHC: CMS Minimum Bias

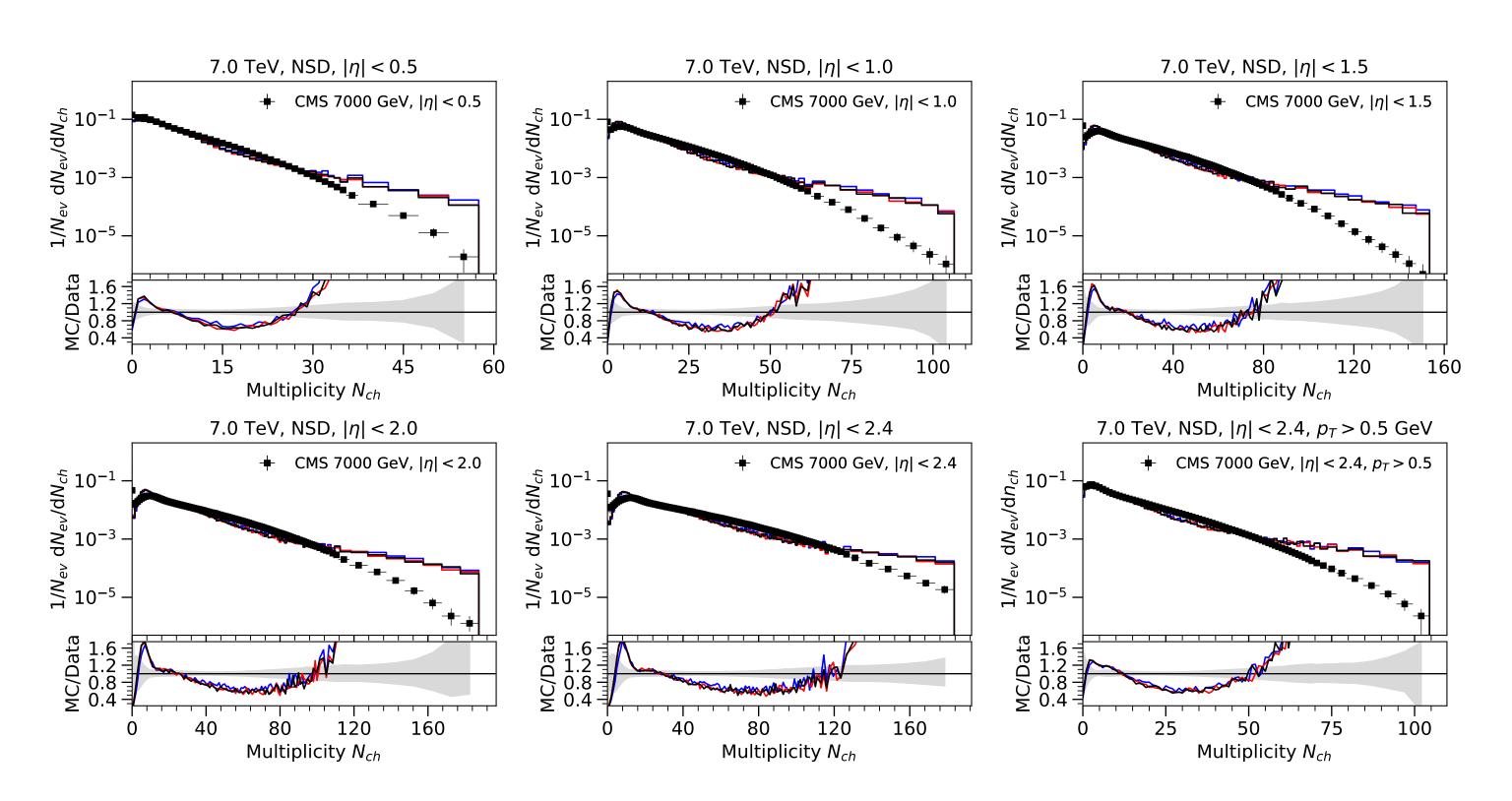




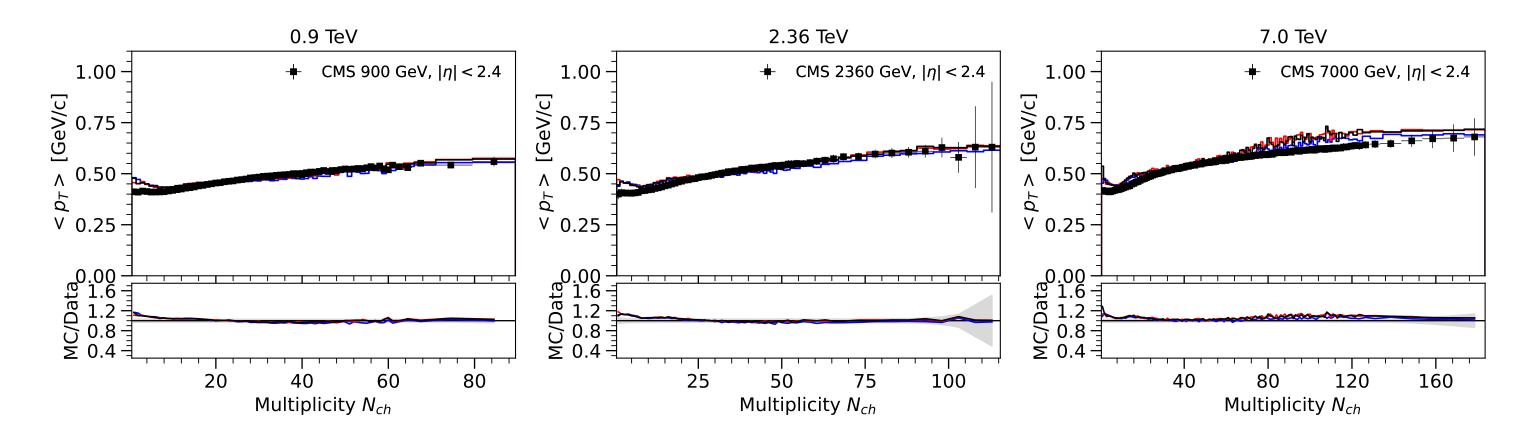


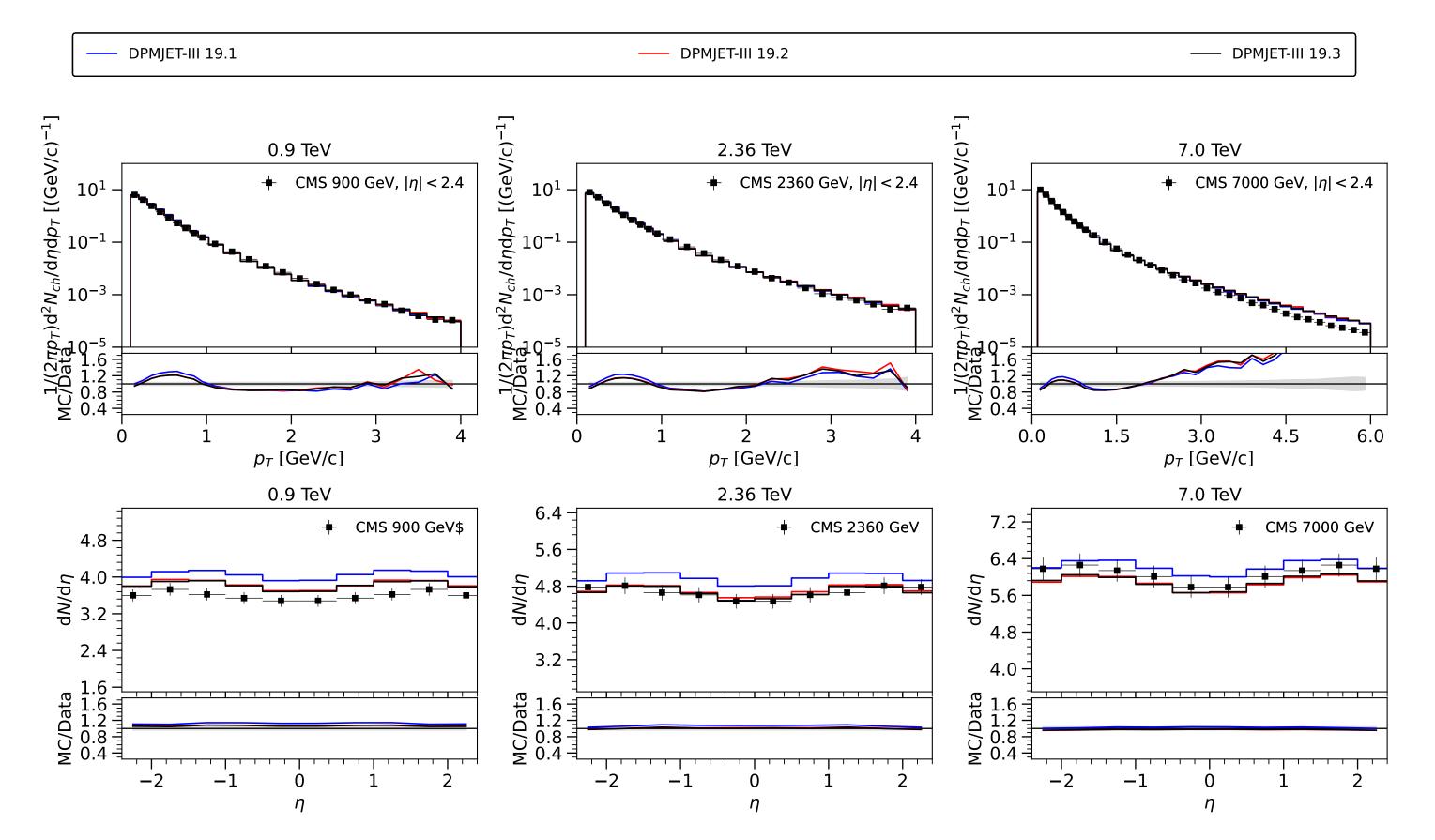




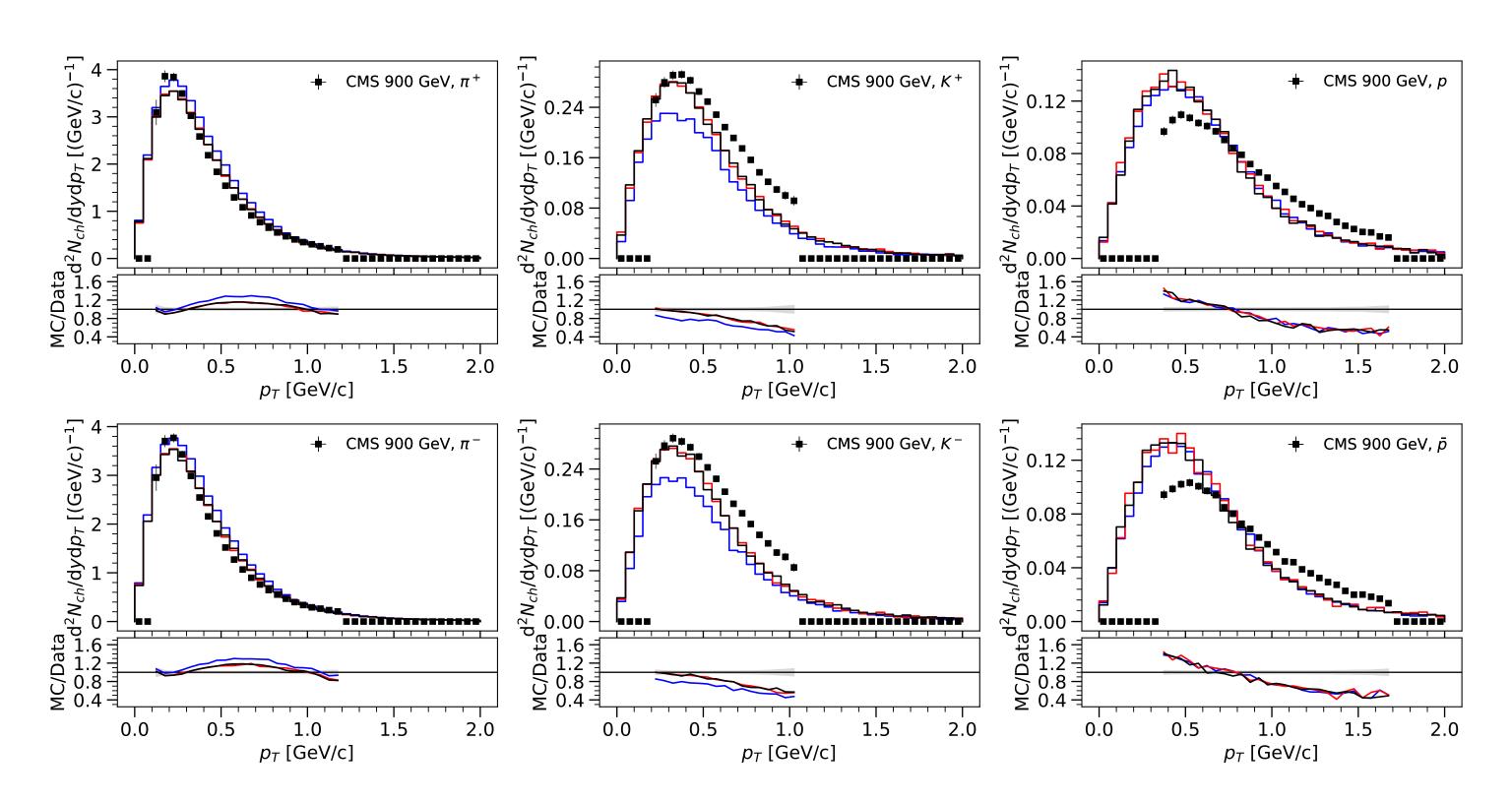




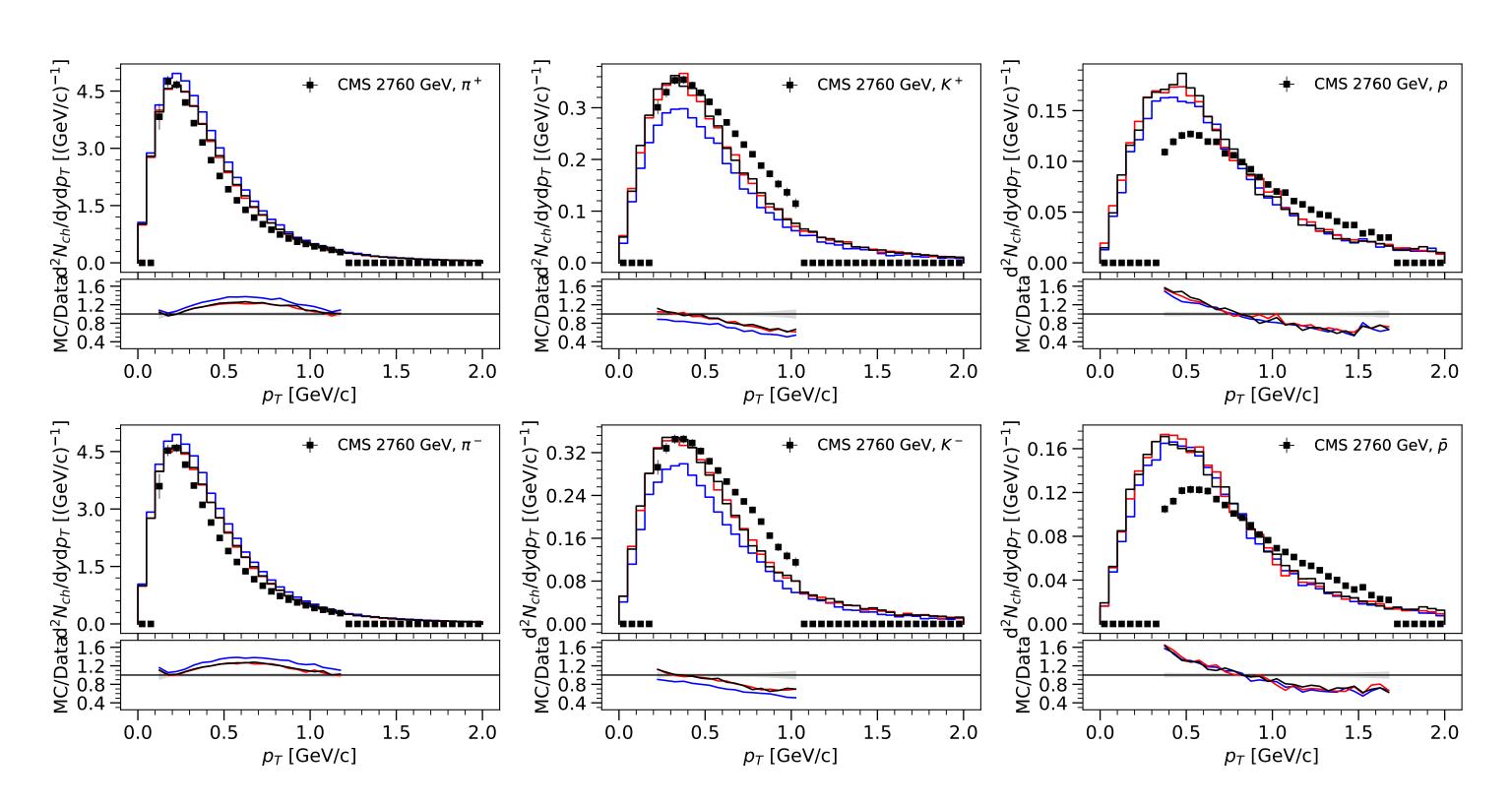




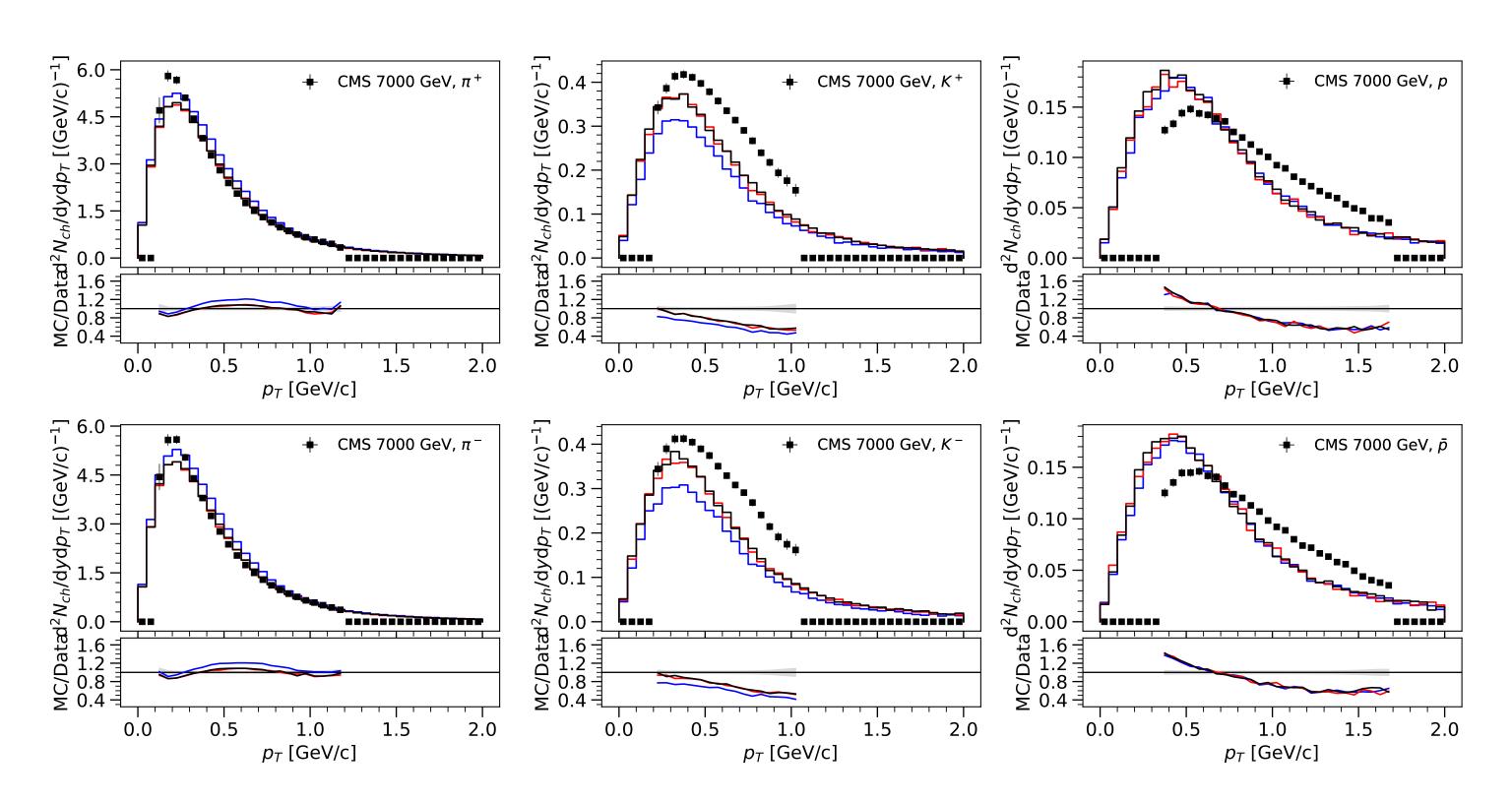




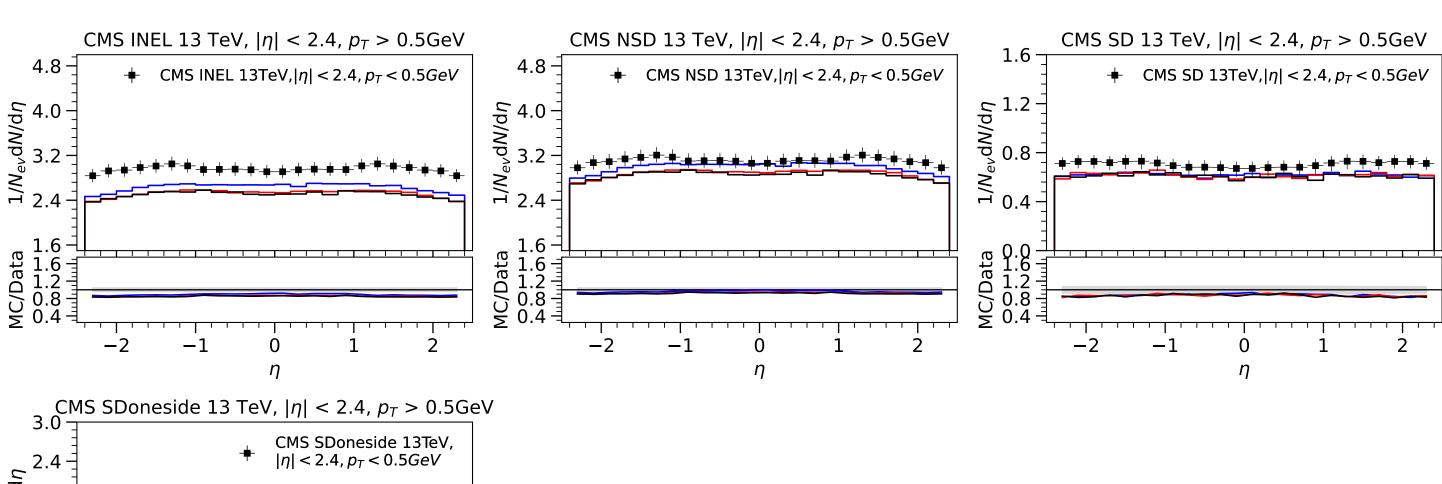


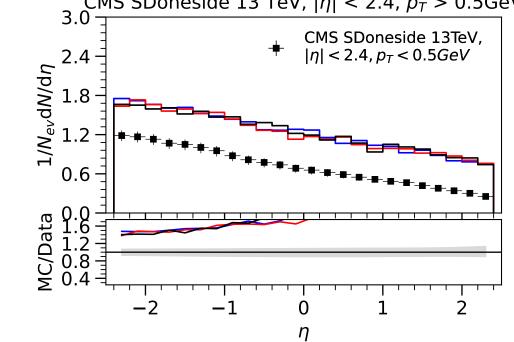


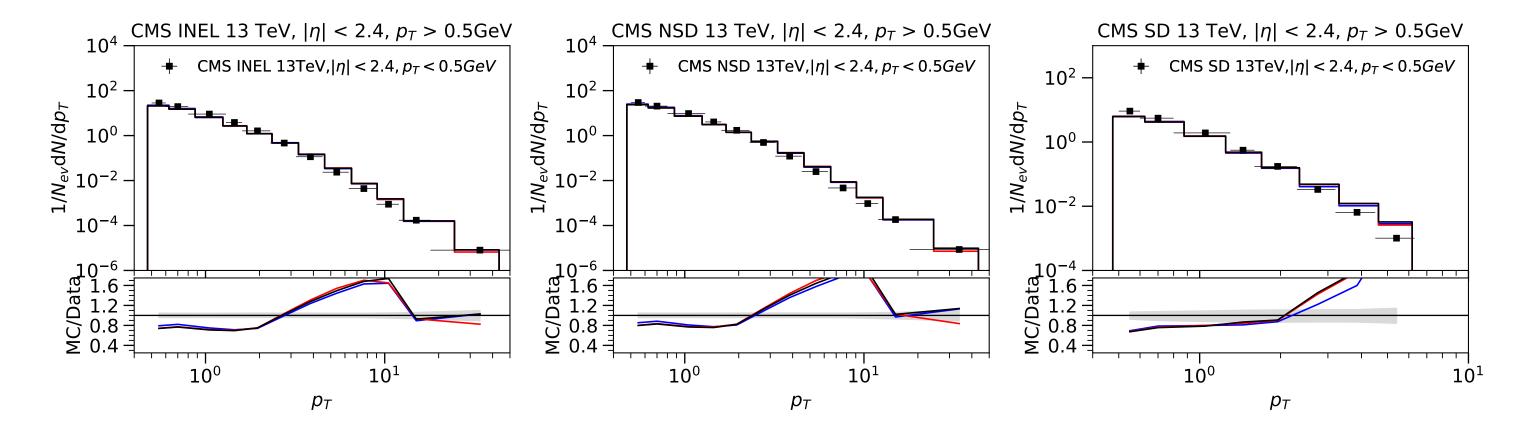


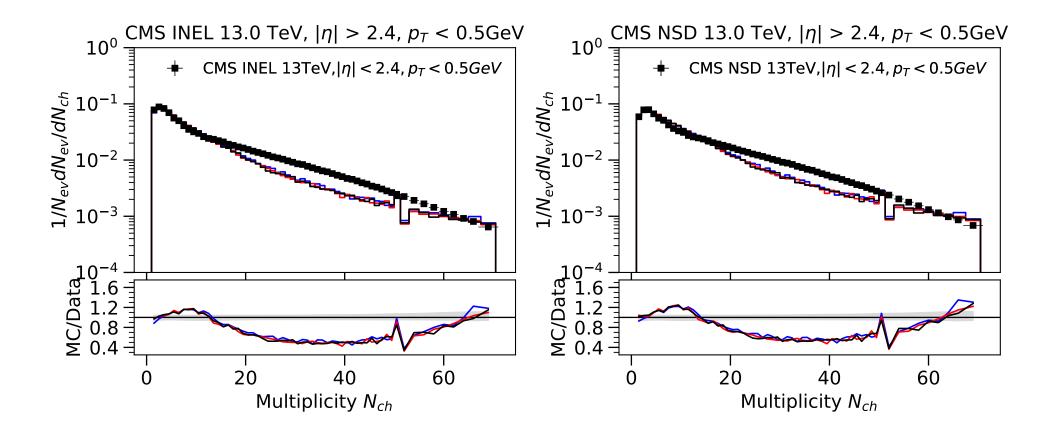


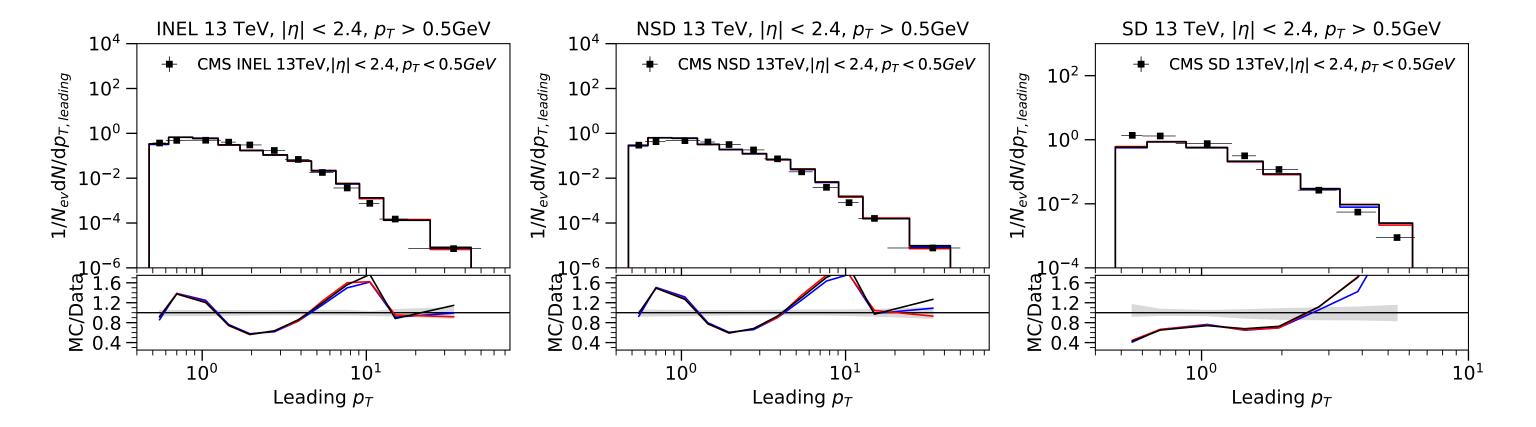
LHC: CMS Minimum Bias 13 TeV



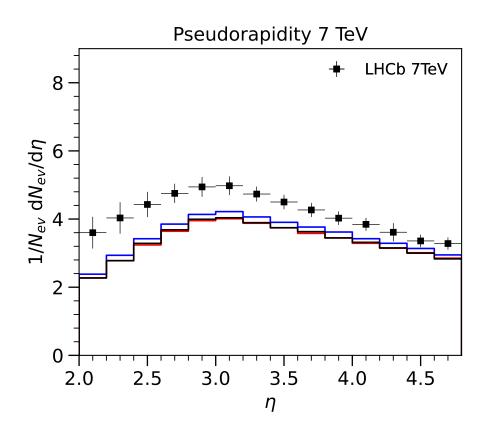


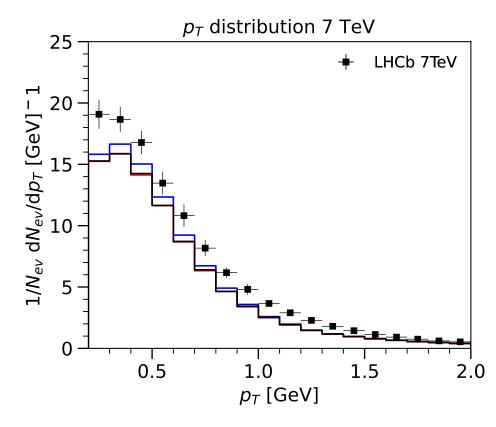


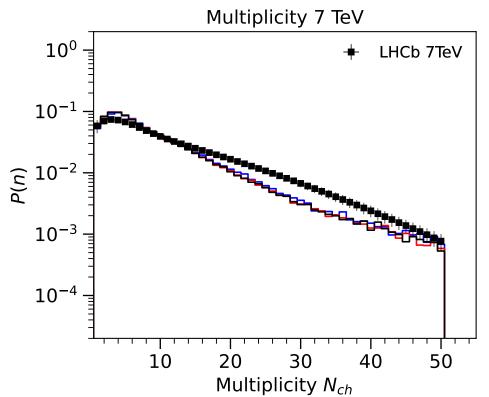




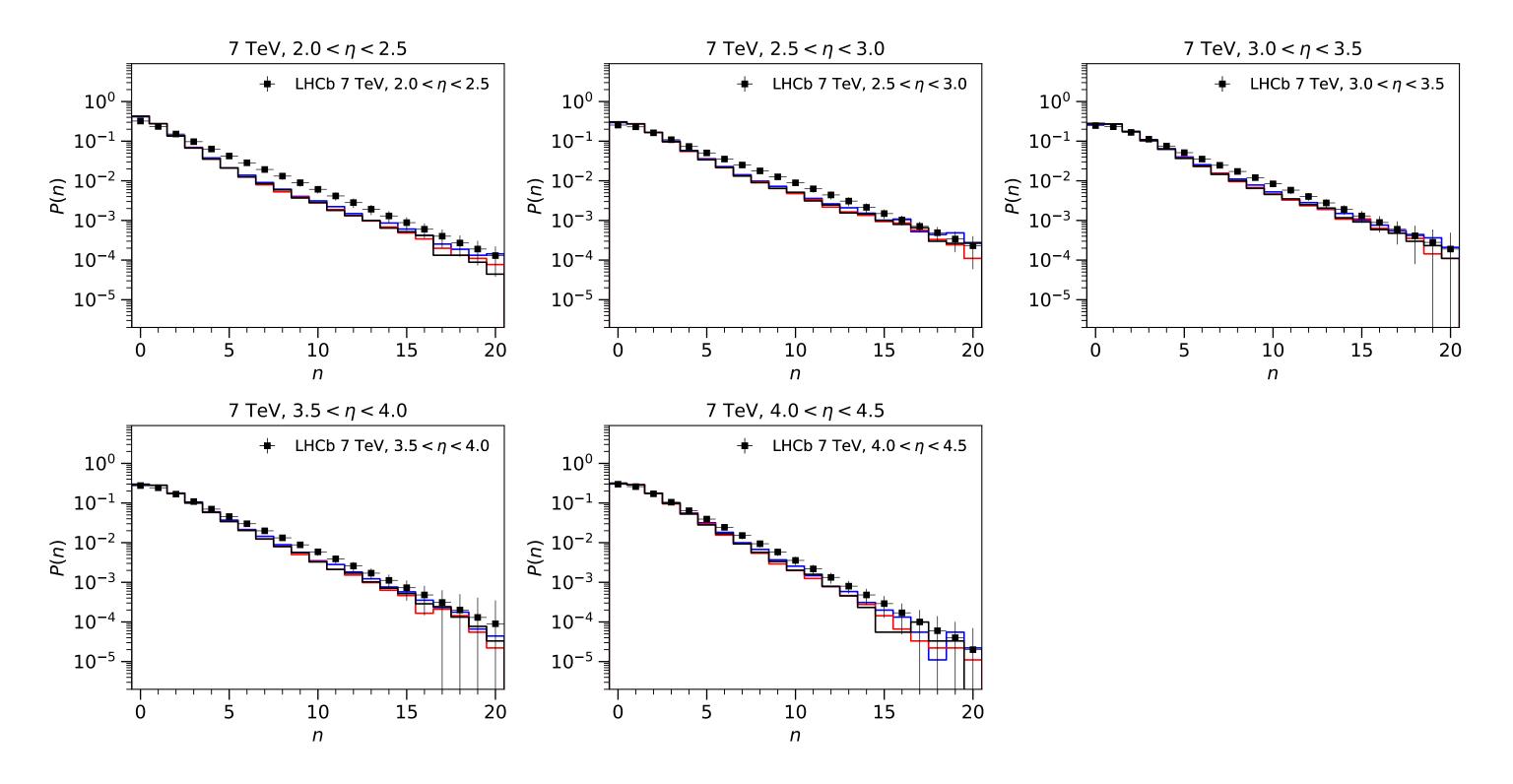
LHC: LHCb Minimum Bias



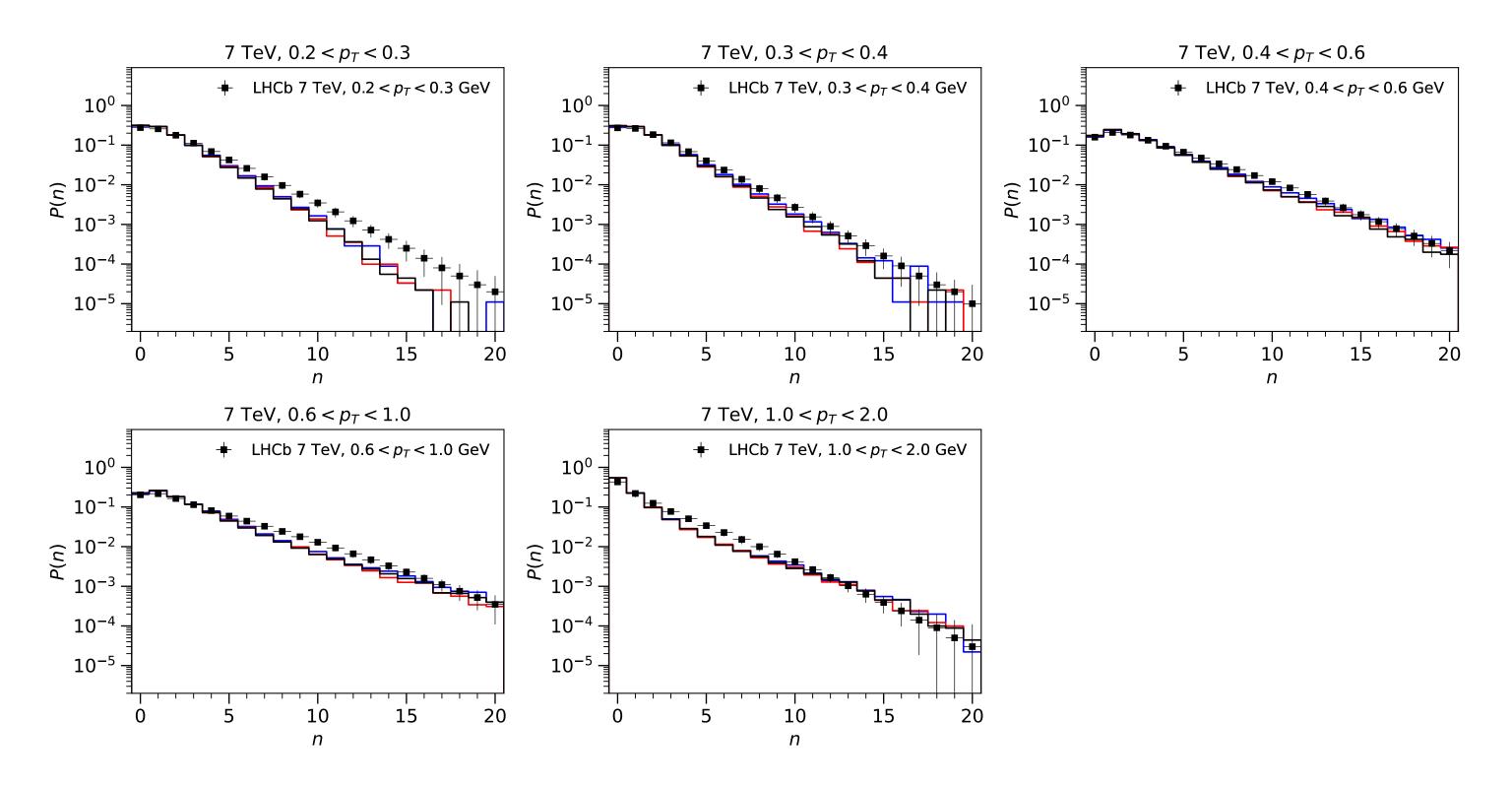






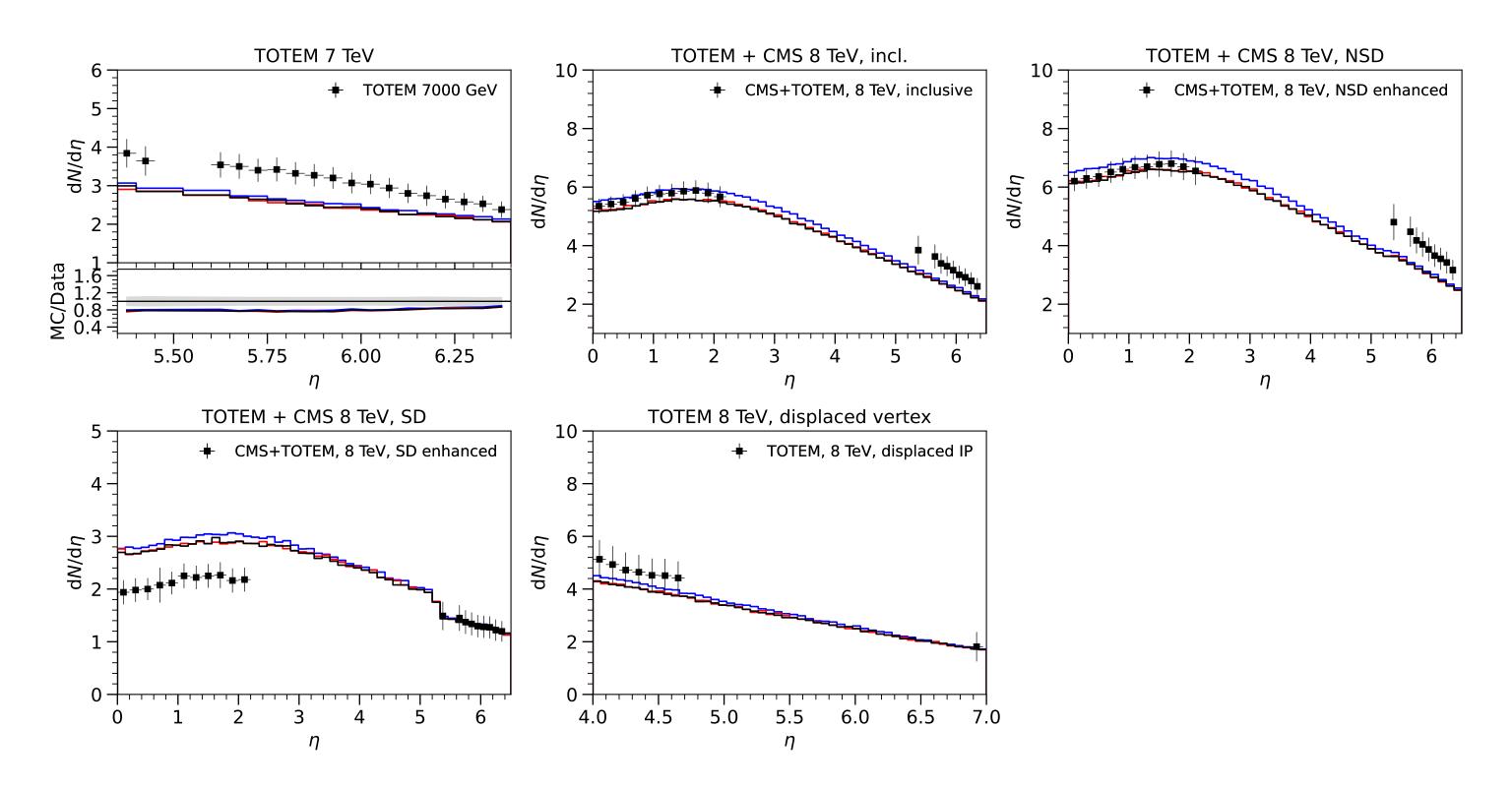




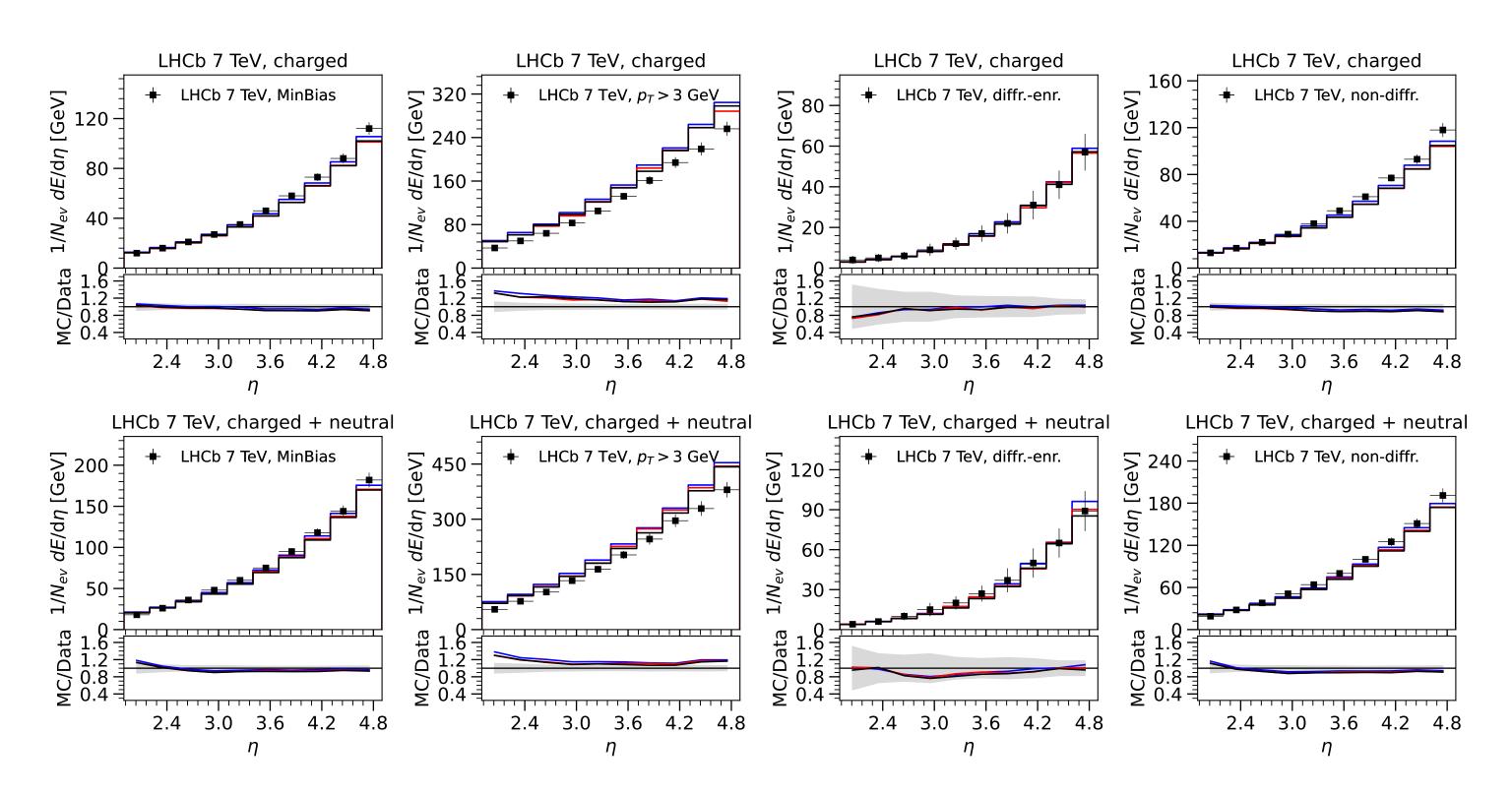


LHC: Forward physics

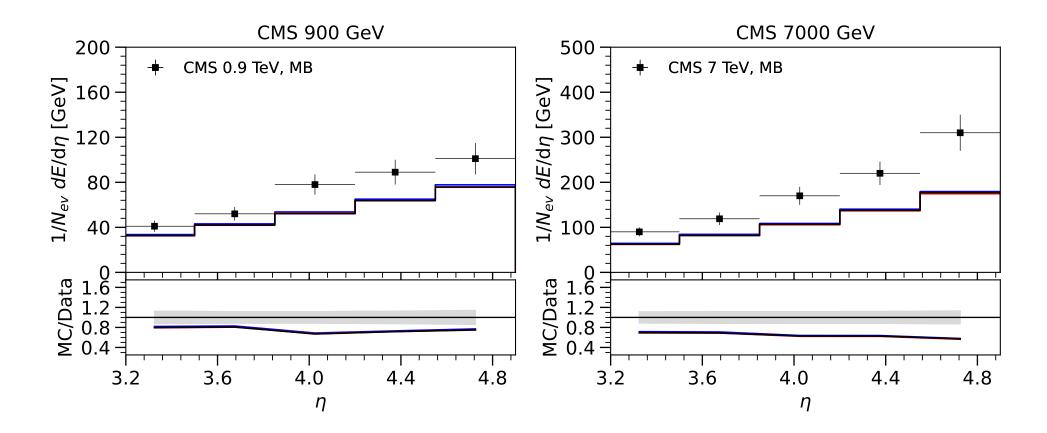






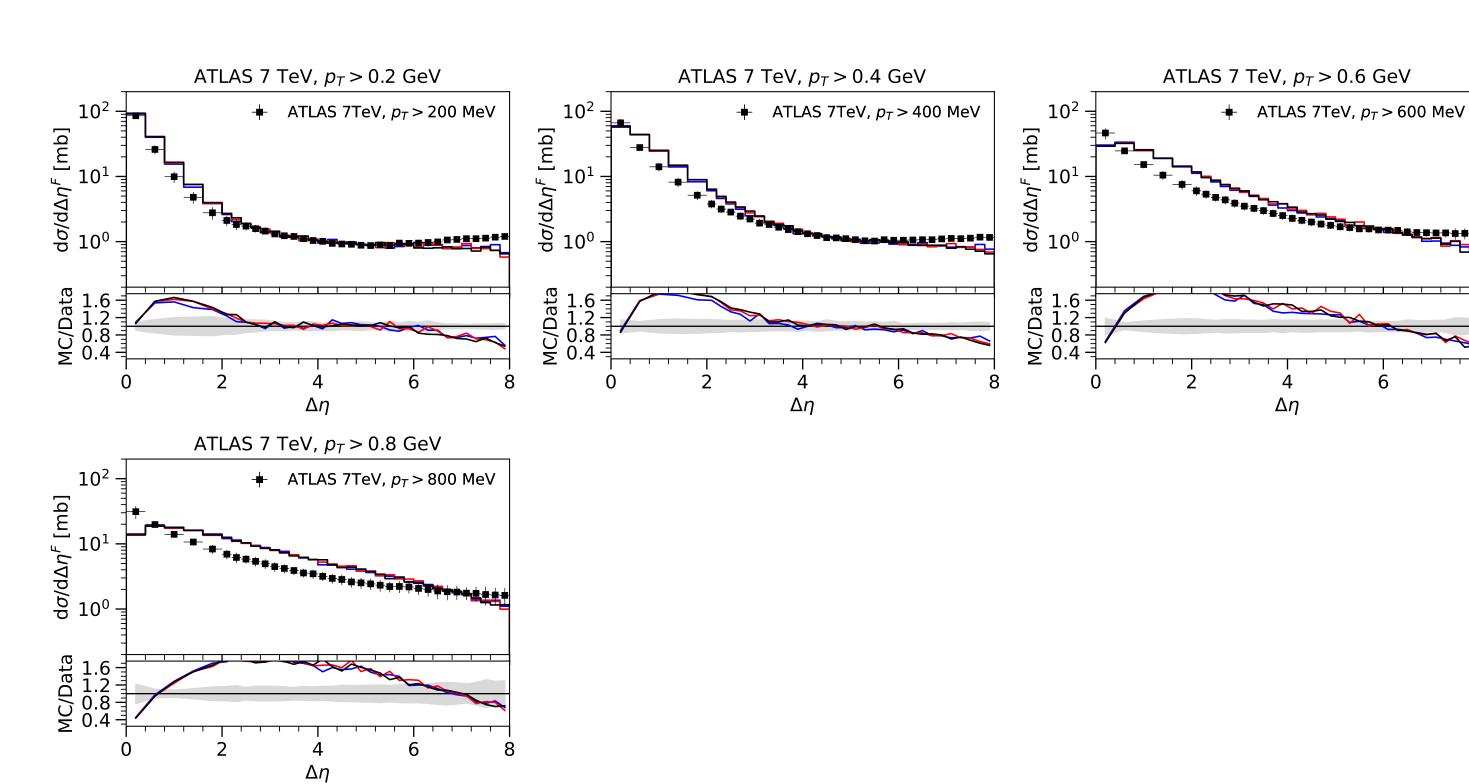


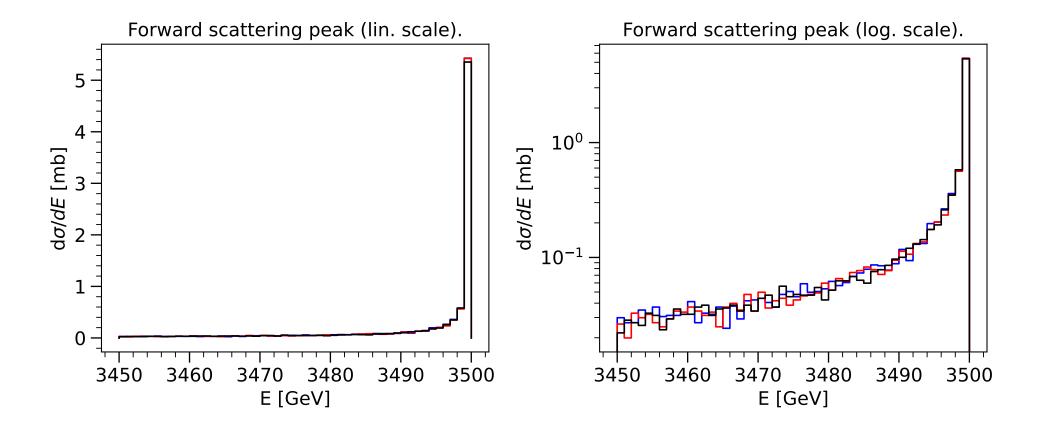


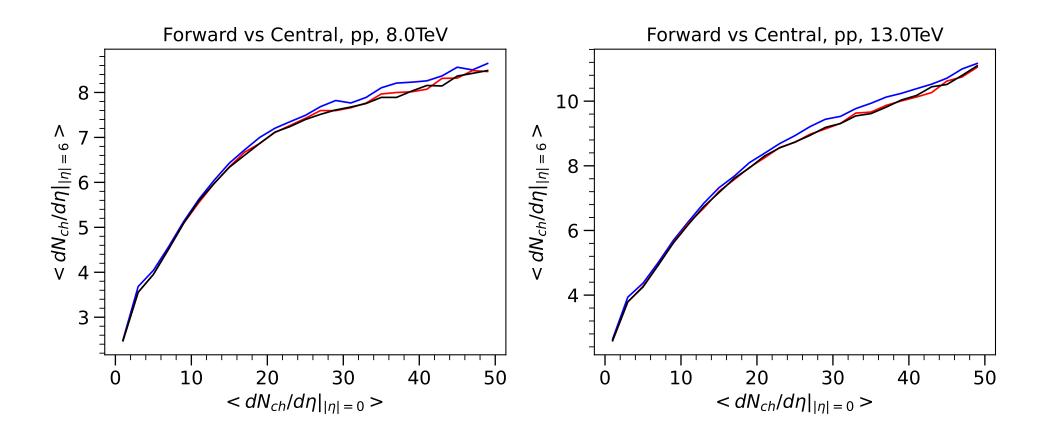


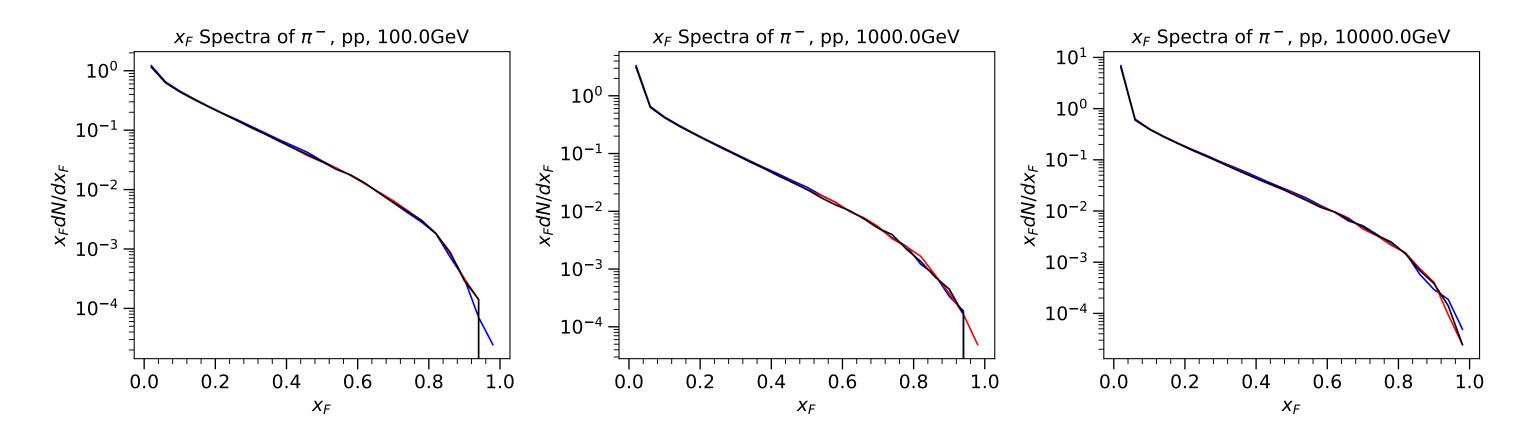


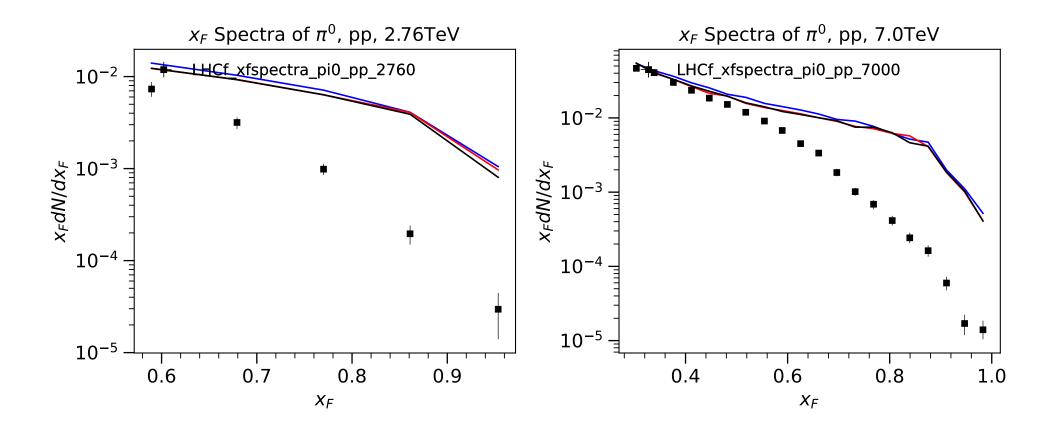
8

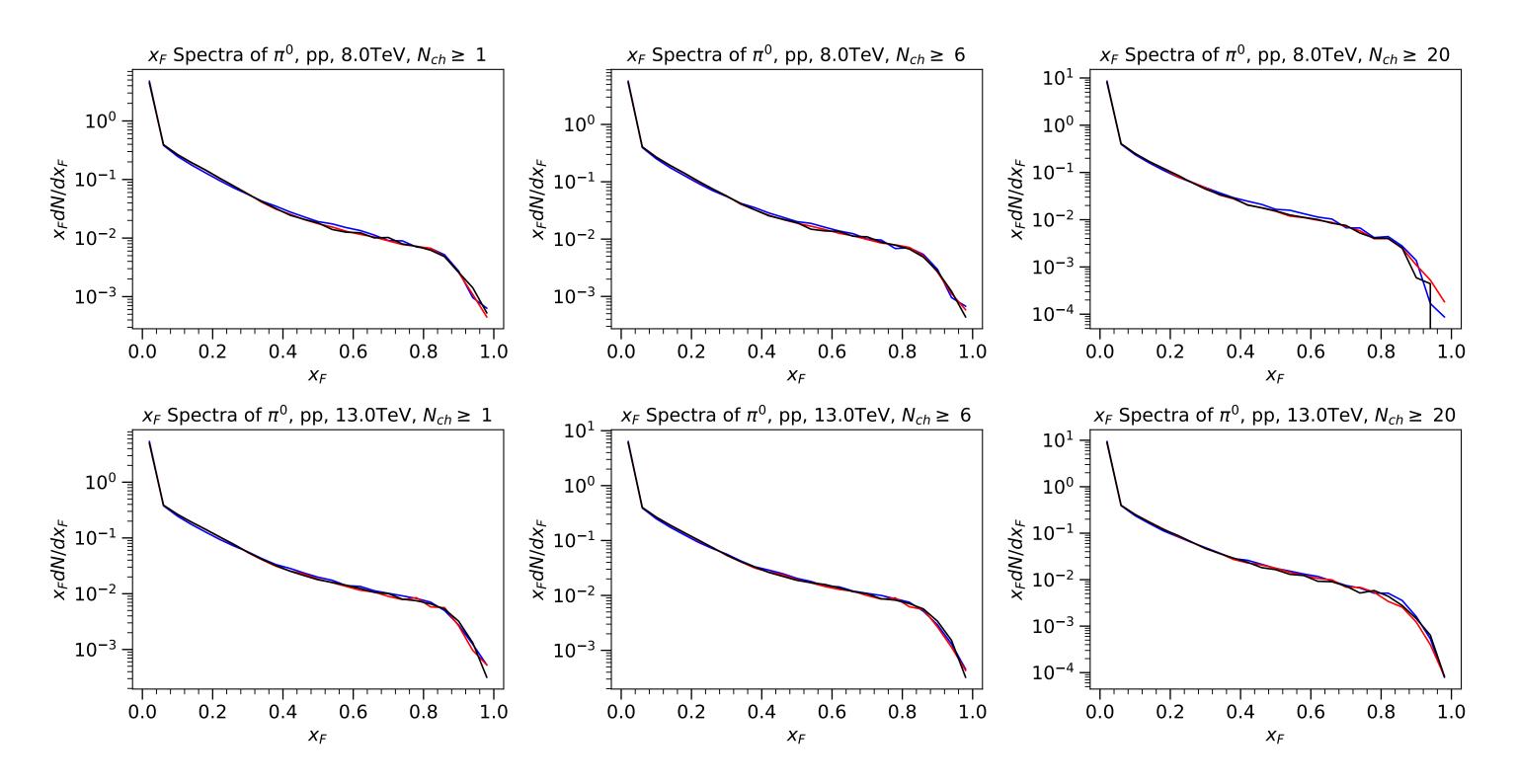


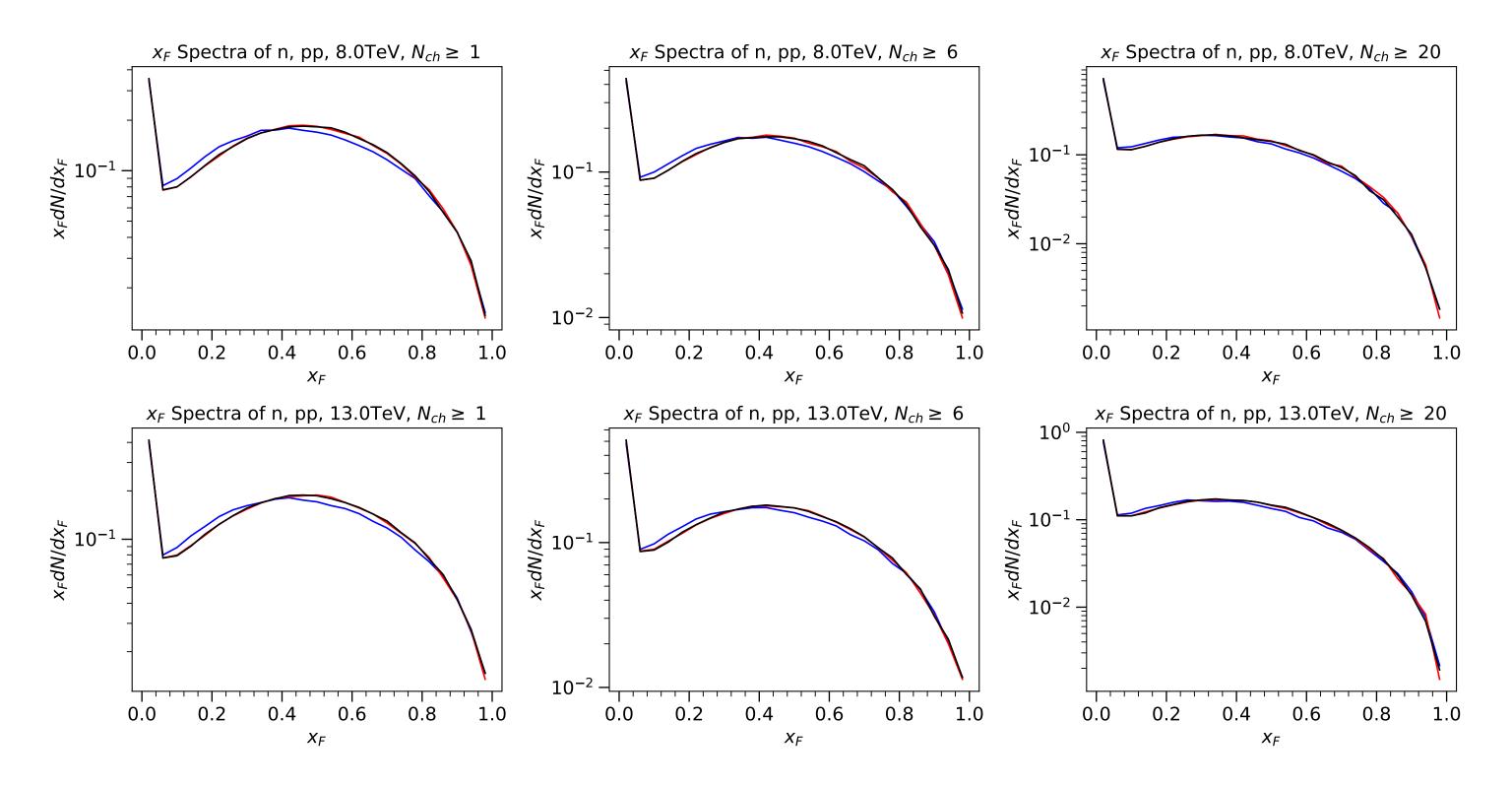






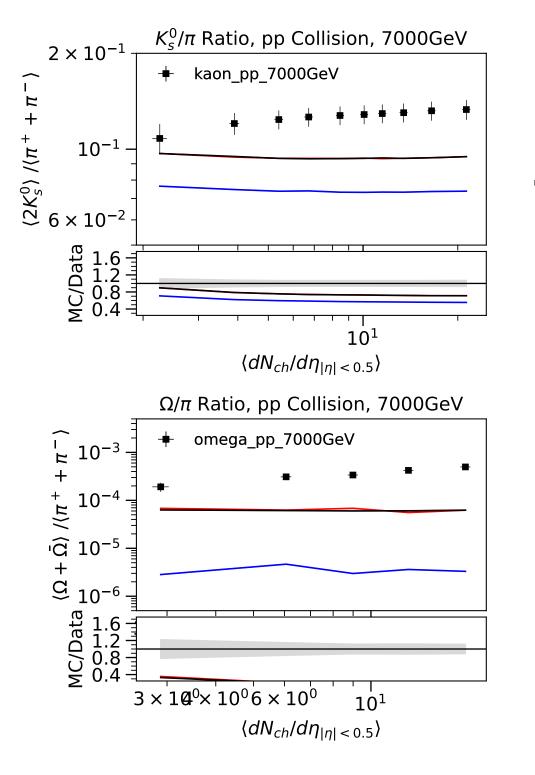


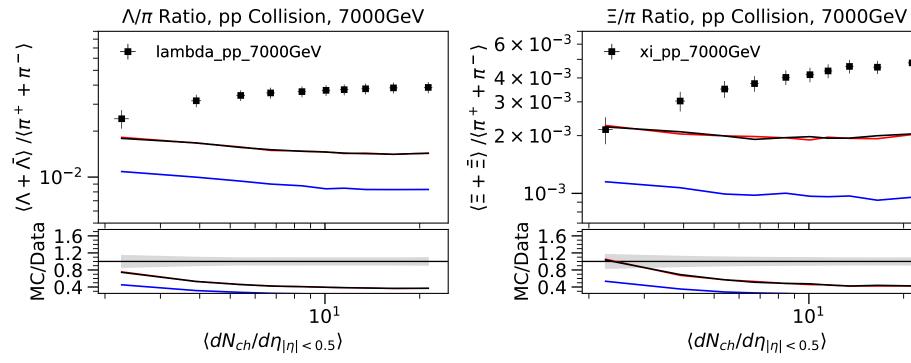




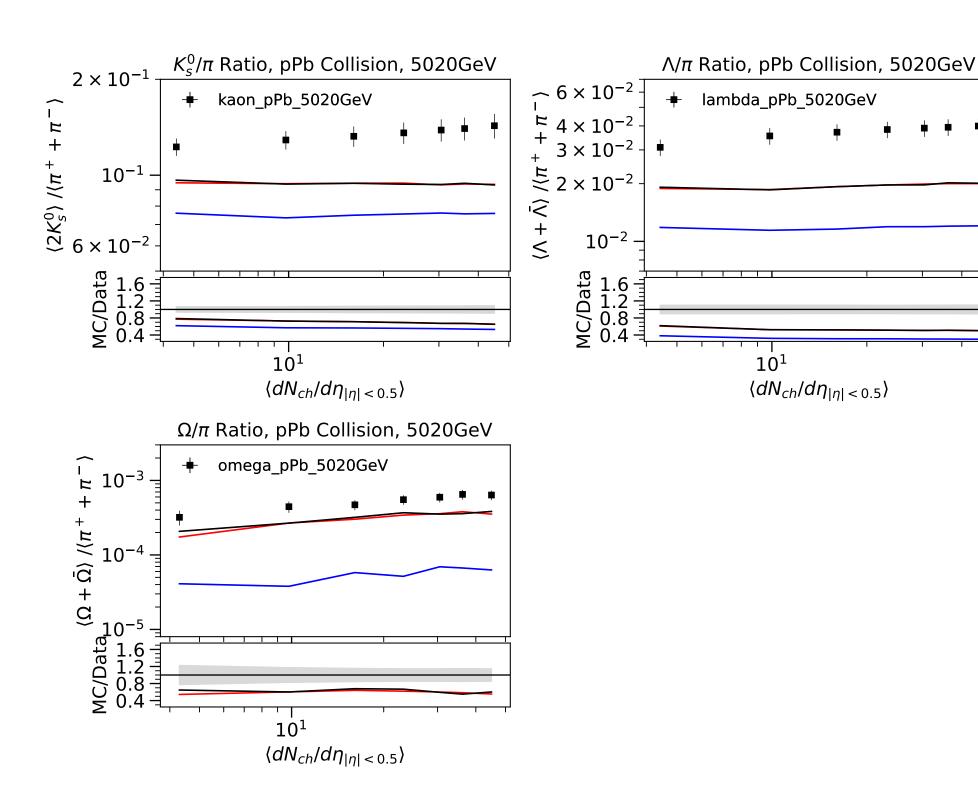
ALICE -  $K_s^0$ ,  $\Lambda$ ,  $\Xi$ ,  $\Omega$  to  $\pi$  Ratio

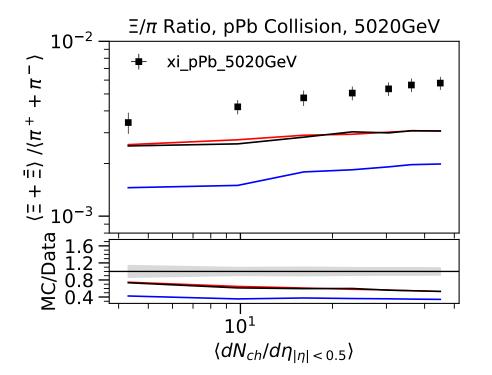


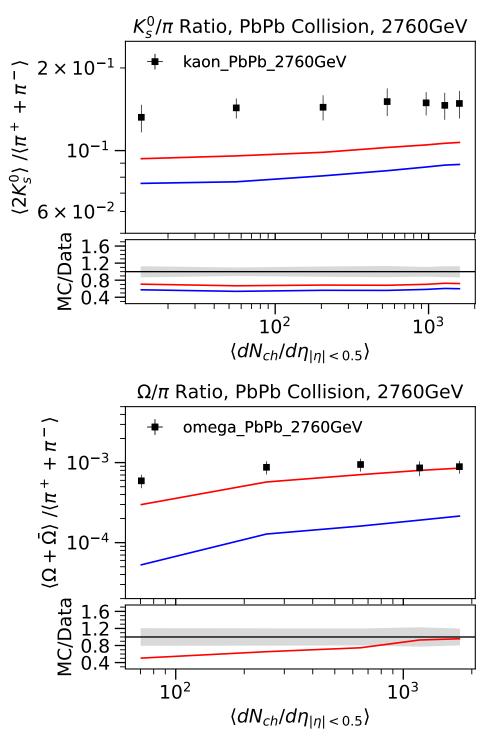


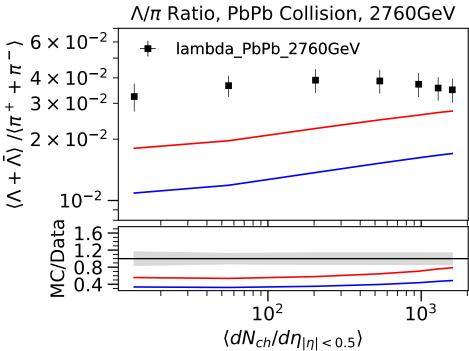


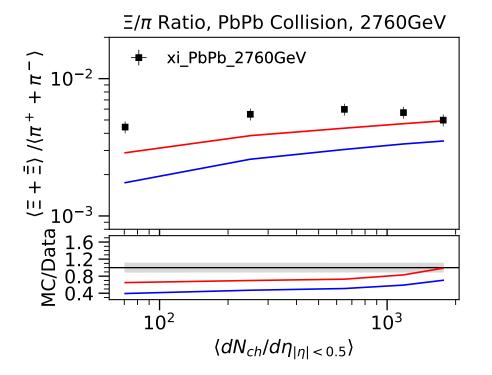




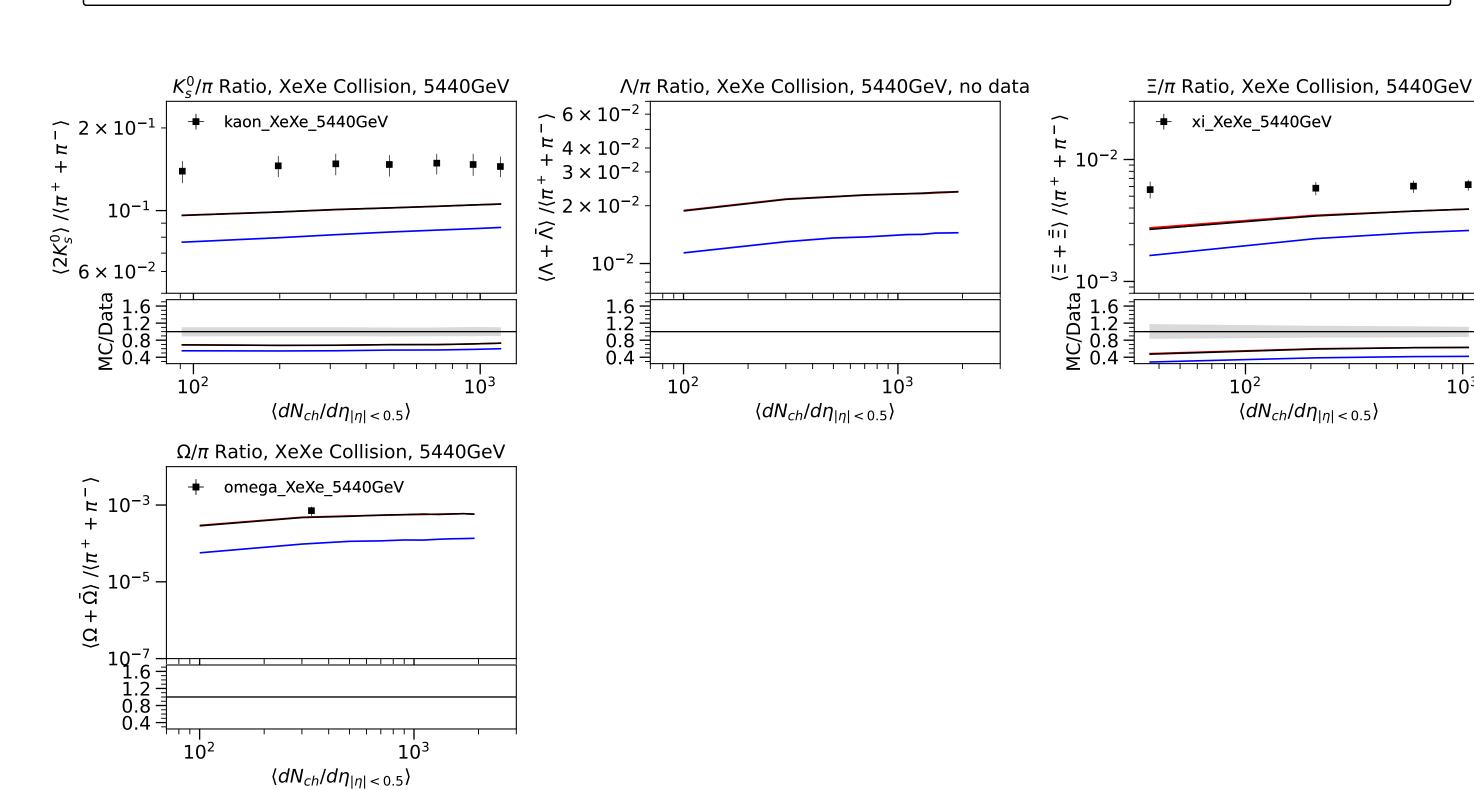








 $10^{3}$ 



LHC: proton lead runs

