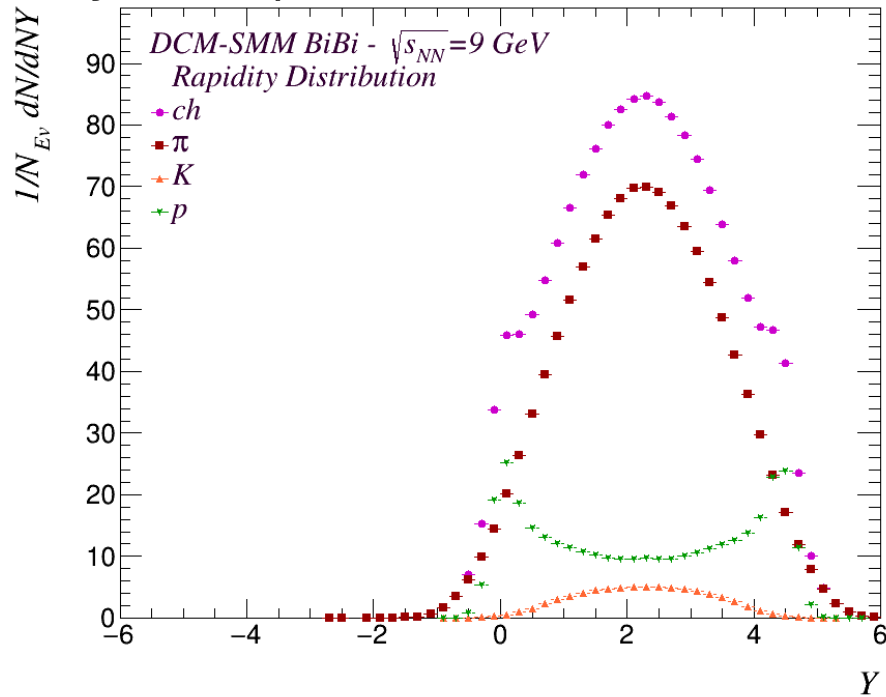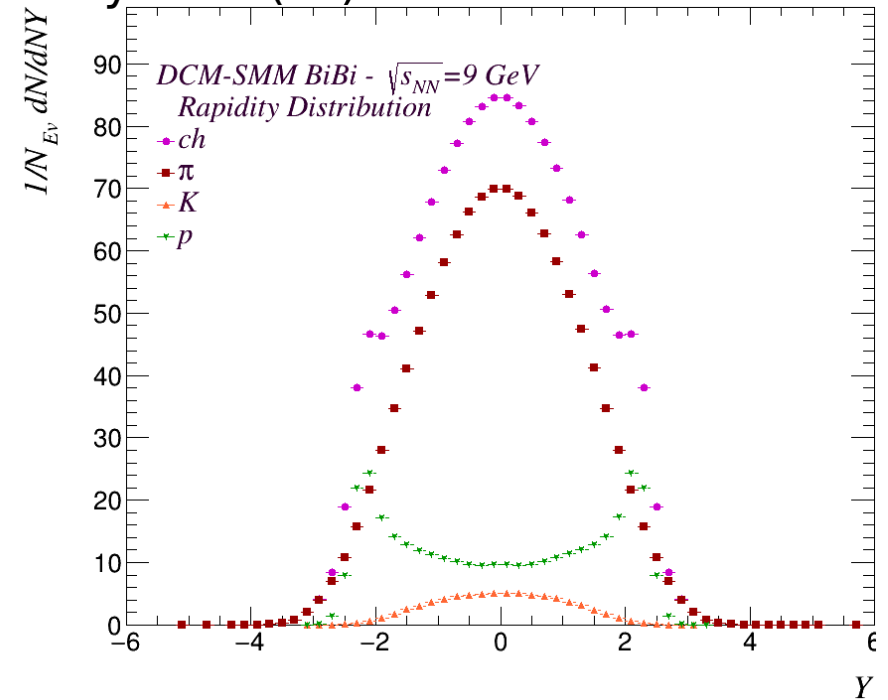# DCM-SMM – BiBi collisions at 9GeV

Mike Medina, I. Maldonado

Rapidity distribution

Pz measured with respect lab system (pzlab)
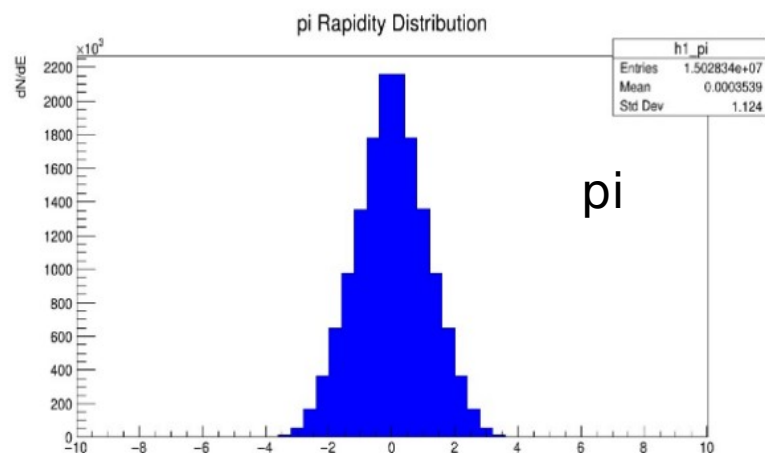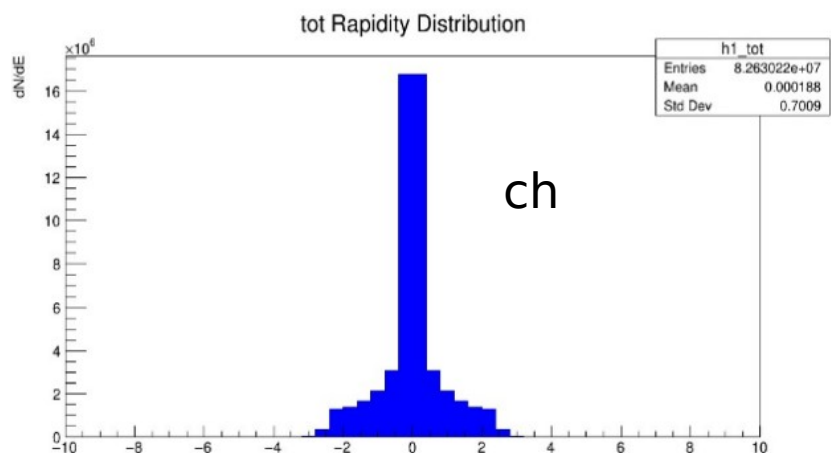
Pz measured with respect CM system (Pz)

Pure MC results, ~92500 events readed files *.r12

# Rapidity distribution – preliminary results

Pz measured with respect CM system (Pz), require to modify the class MpdDCMgenerator.cxx to change Pzlab to Pz.

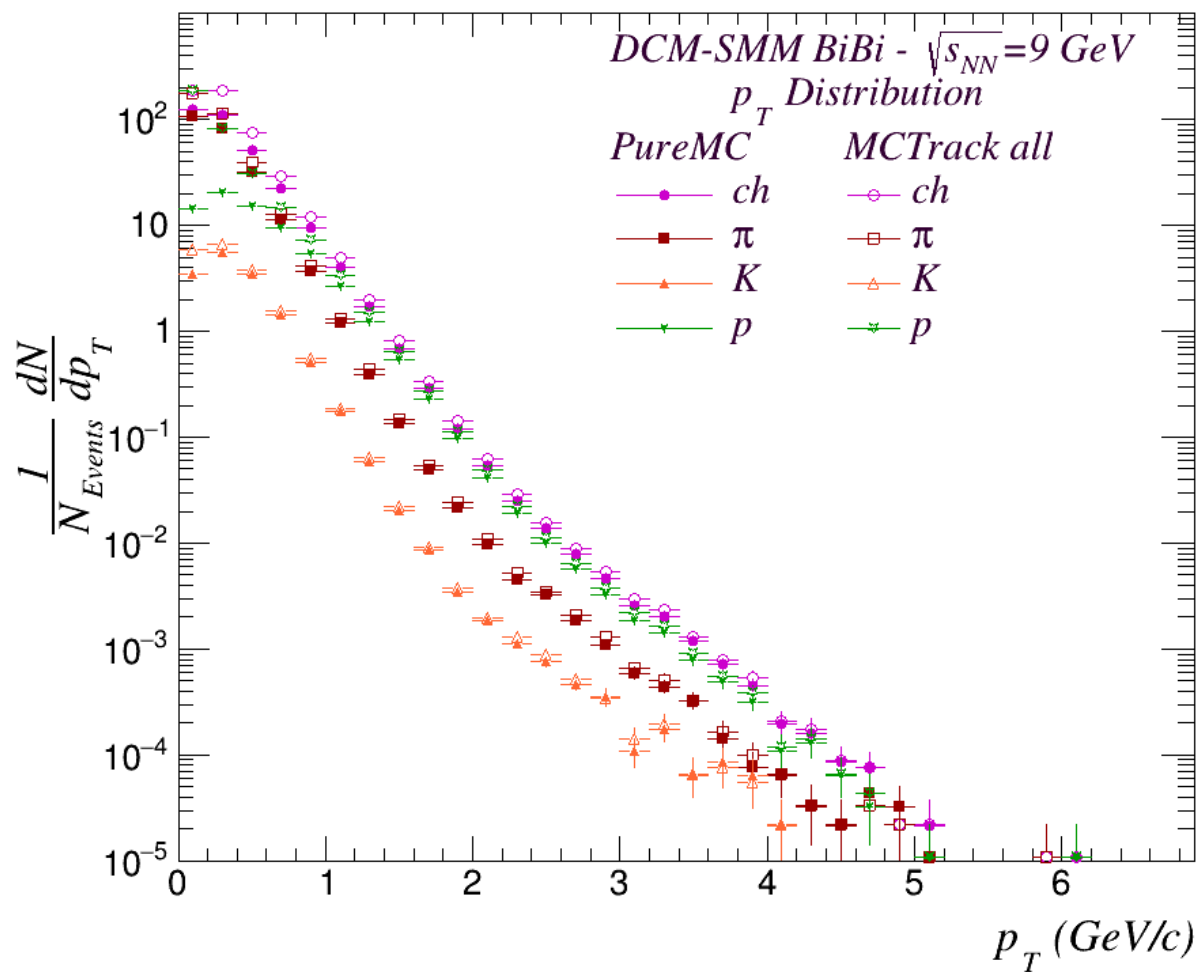MCTracks results, ~92500 events readed files mpddst.root

Rapidity distribution – preliminary results

Pz measured with respect CM system (Pz), require to modify the class MpdDCMgenerator.cxx to change Pzlab to Pz.
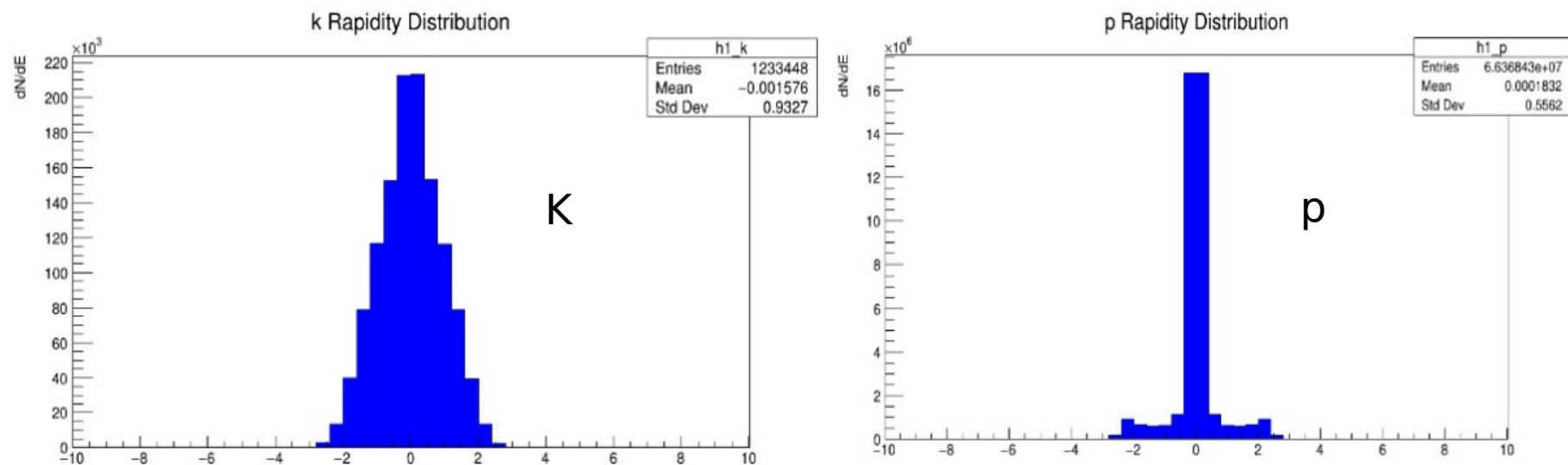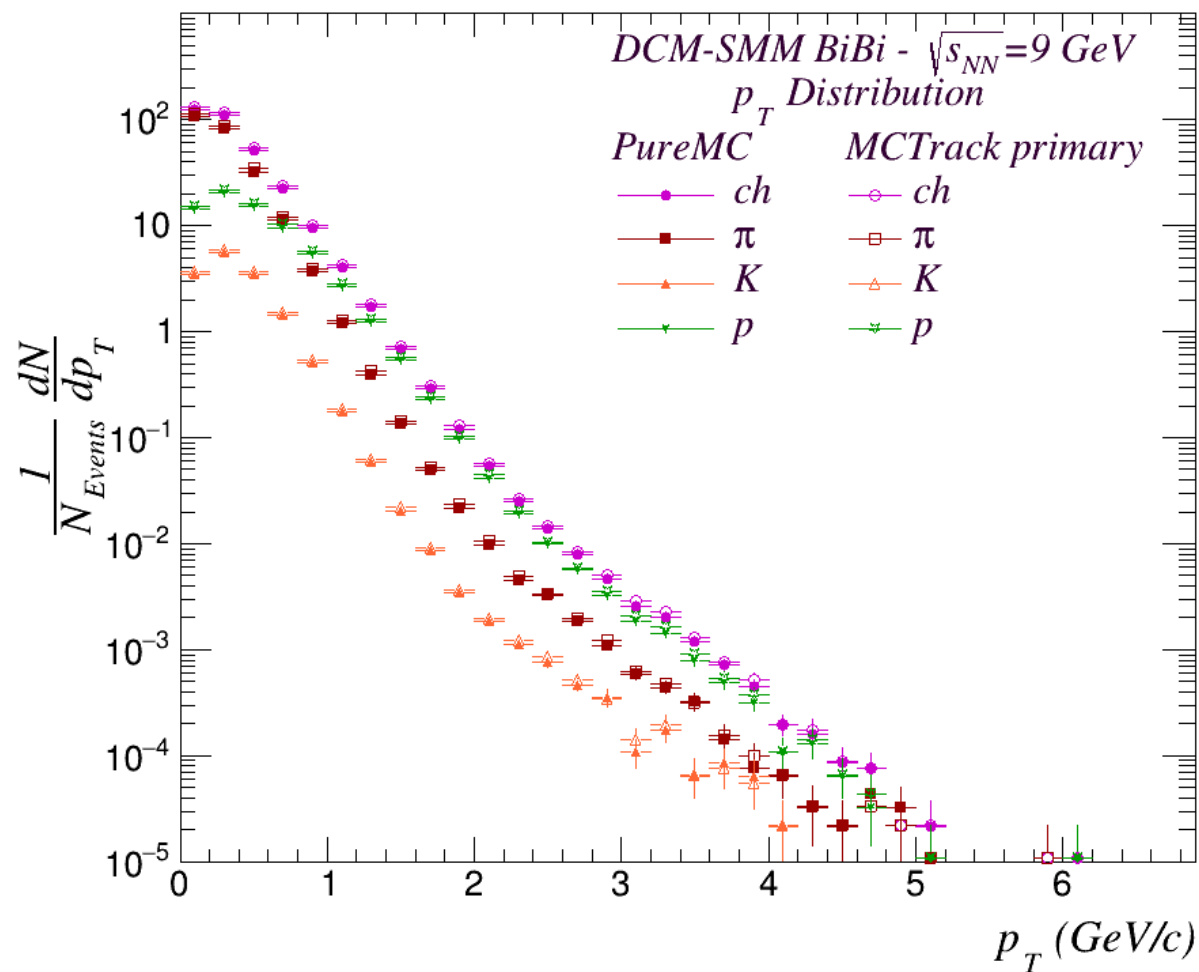

MCTracks results, readed files mpddst.root

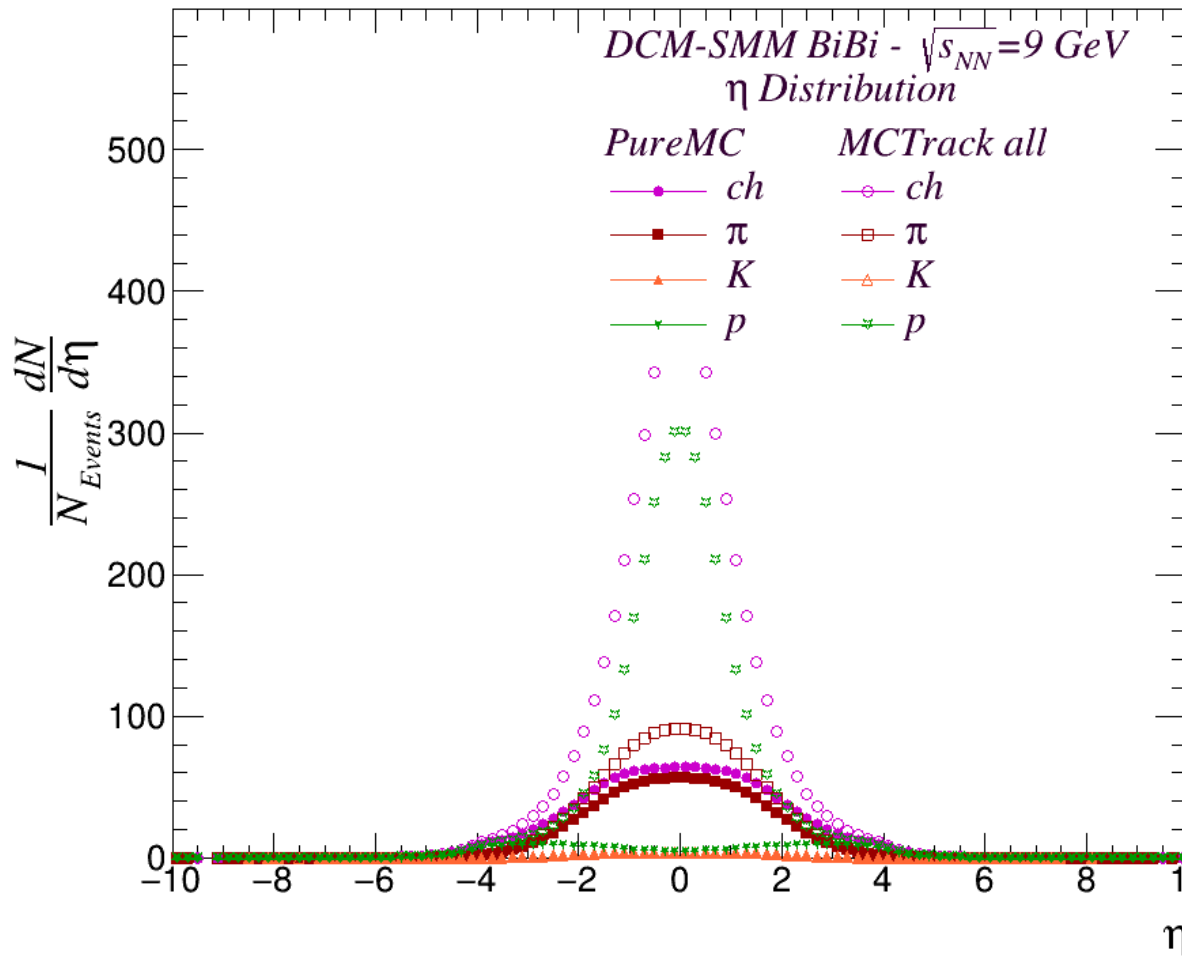MCTrack distribution is higher than pure MC because contribution of secondaries

MCTrack distribution still remains higher.

It looks a problem with normalization to the number of events, aprox ~6% more
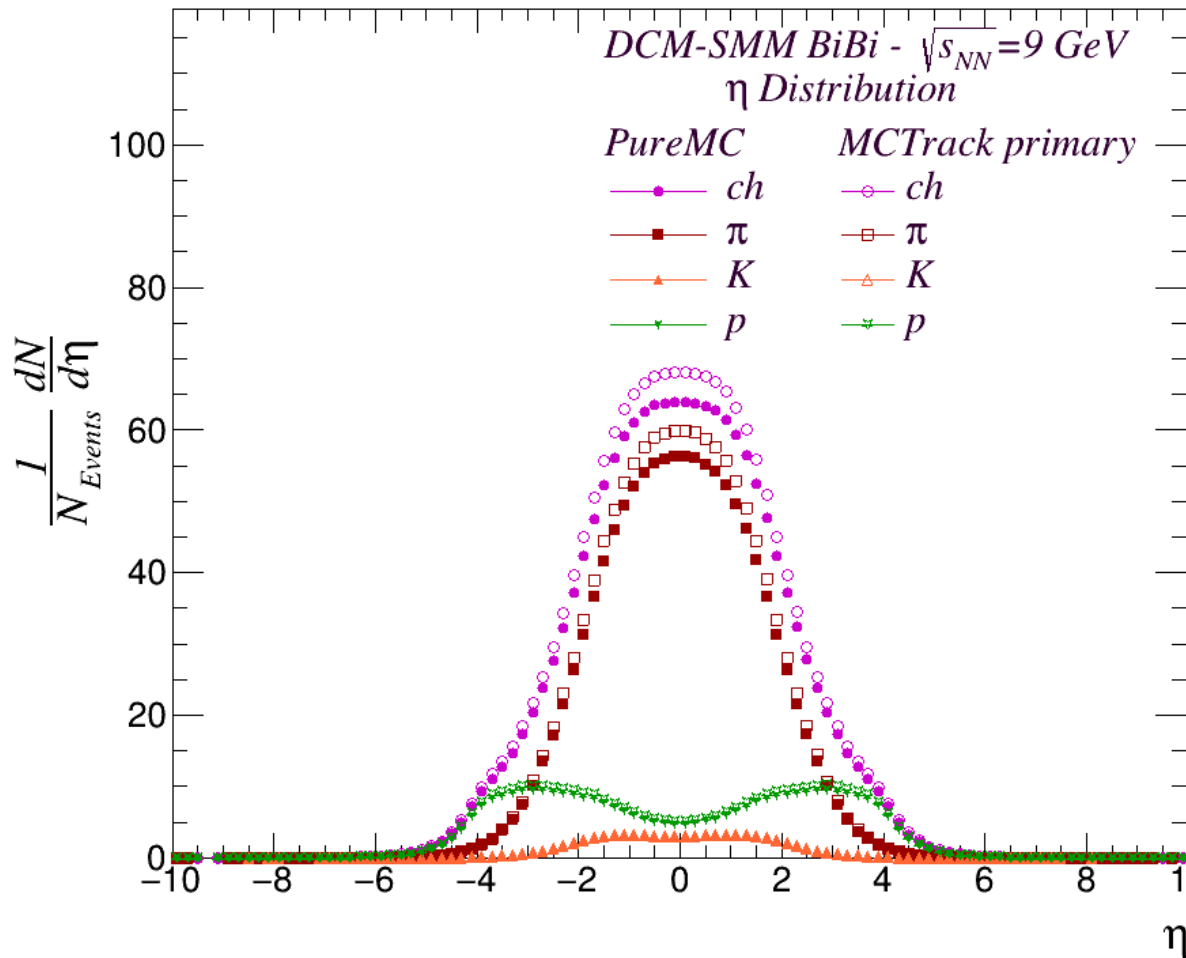
however requires to be checked

DCM-SMM BiBi - $\sqrt{s_{NN}}=9\ GeV$
η Distribution

MCTrack distribution is higher than pure MC because contribution of secondaries.

Similar results for rapidity distribution

The difference is more evident in η distribution.

Increasing the number of events by aprox ~6% looks the same

This should be checked:

Perhaps the way in which Spectators, remanent and cascade particles are transported!!