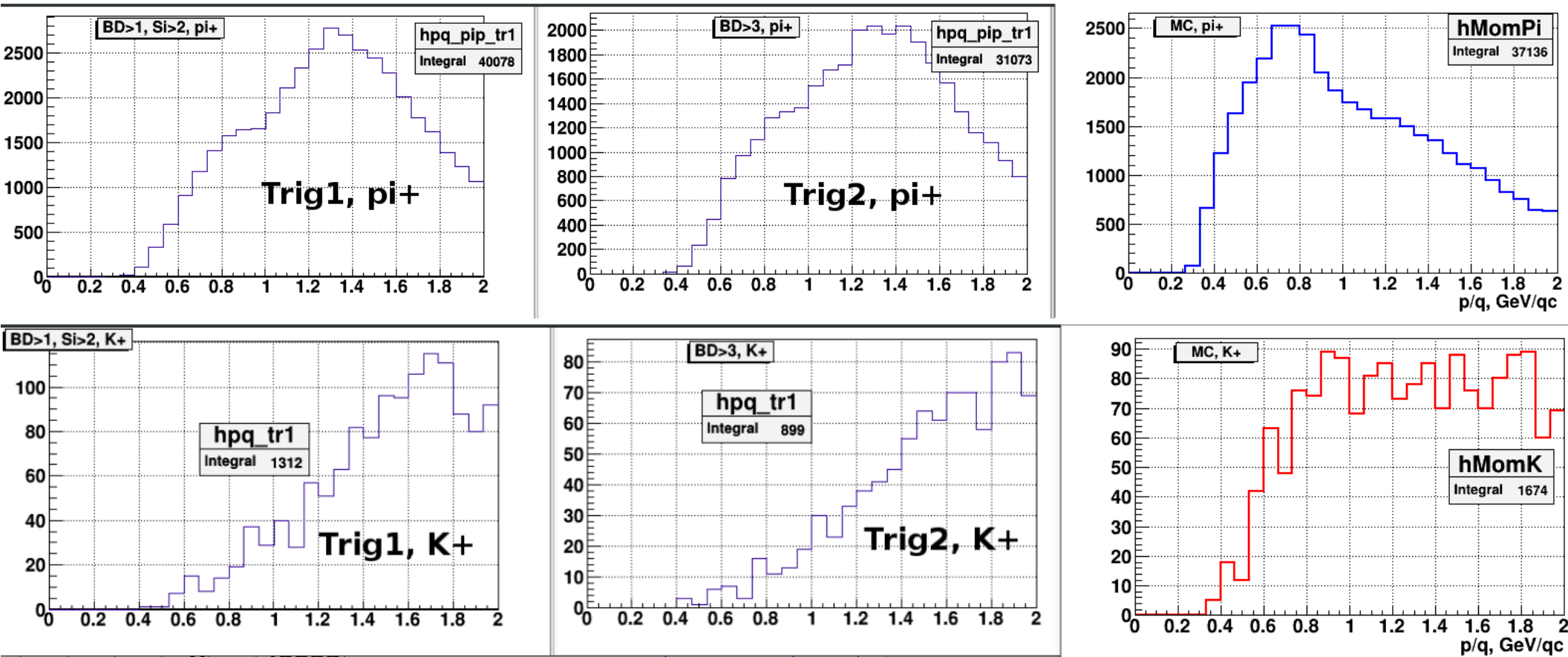


π^+ and K^+ spectra Exp vs MC

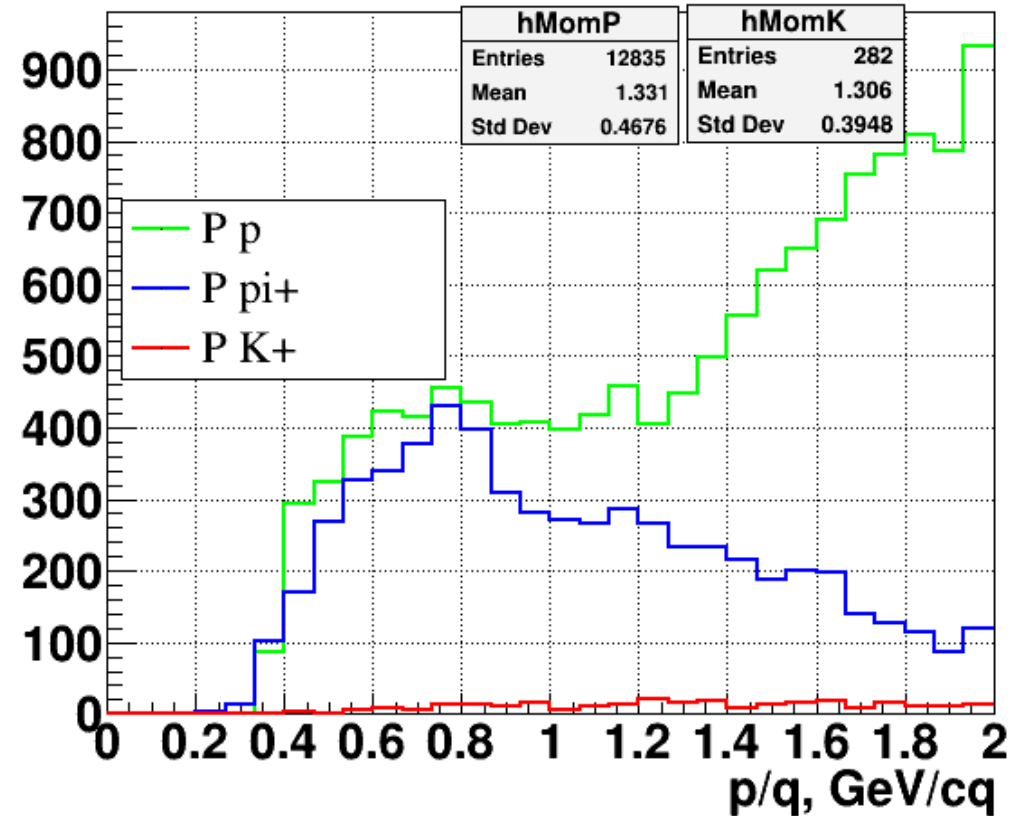
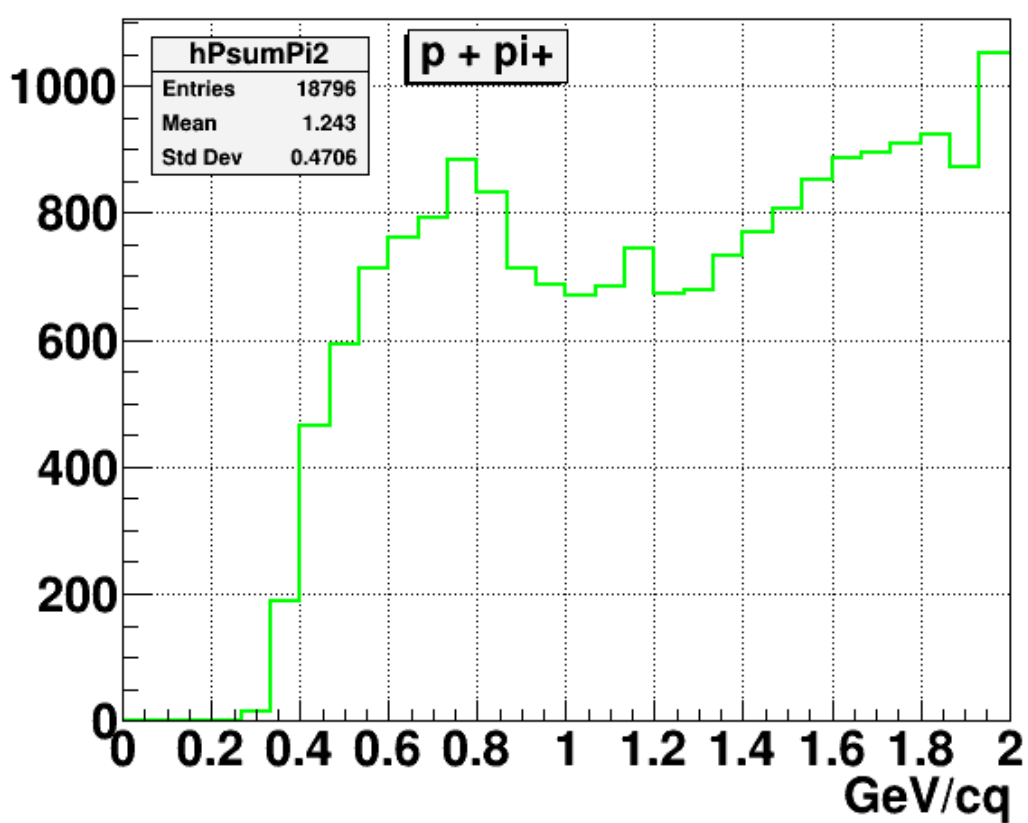
Vasilii Plotnikov 30.04.2019

π^+ and K^+ spectra



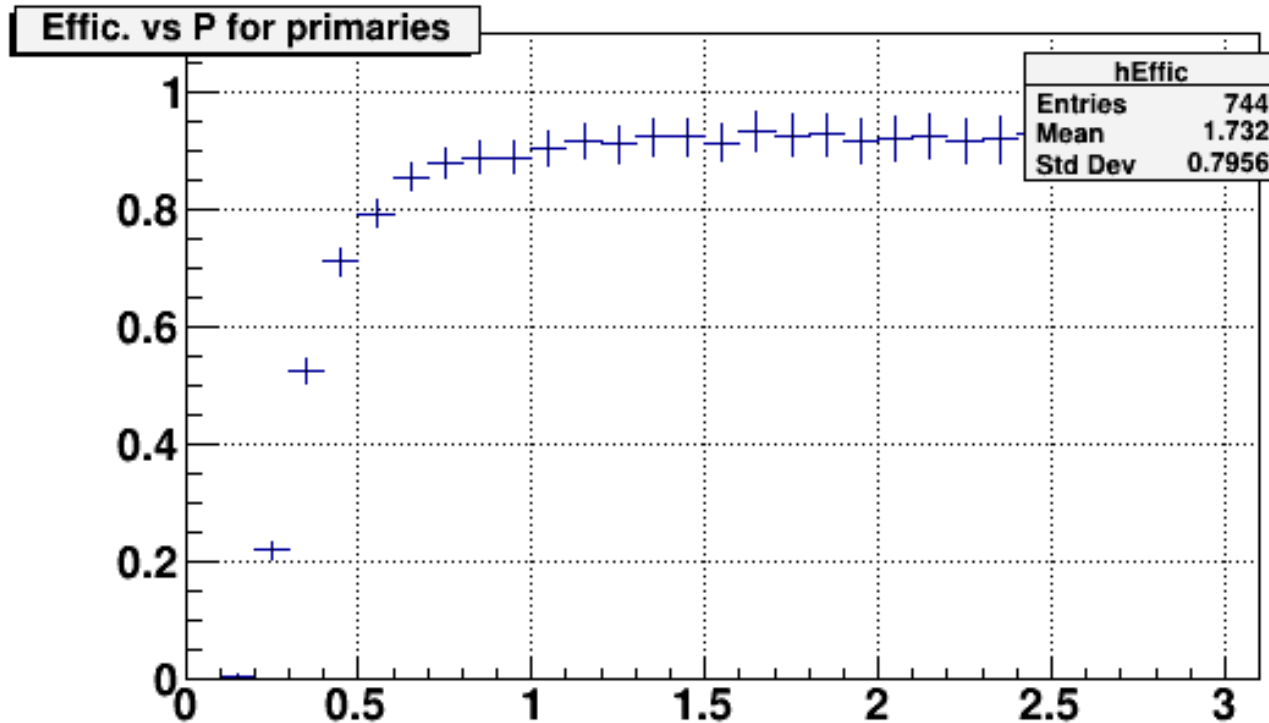
- Spectra are different

ρ and π^+ spectra MC



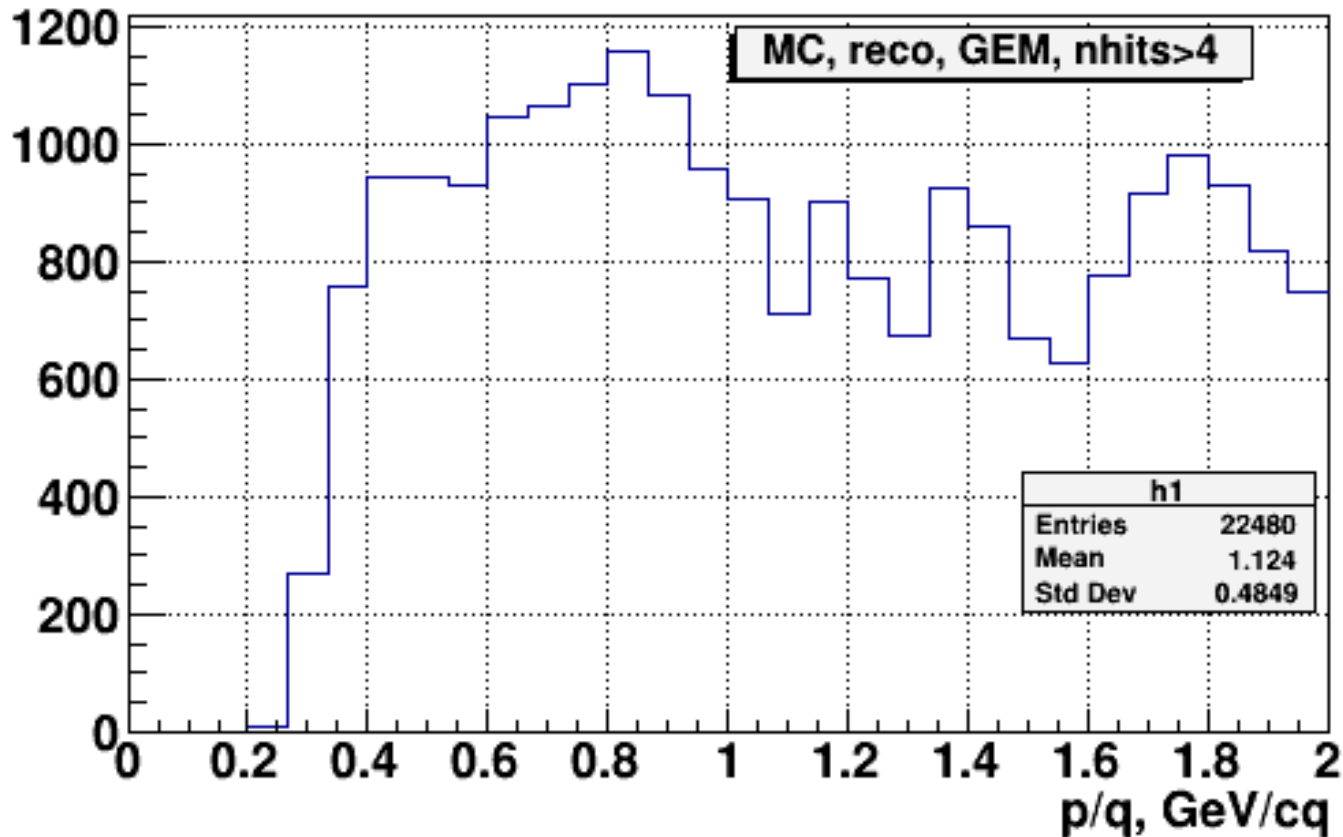
- Identifiable tracks
- GEM efficiency 0.91

GEM efficiency



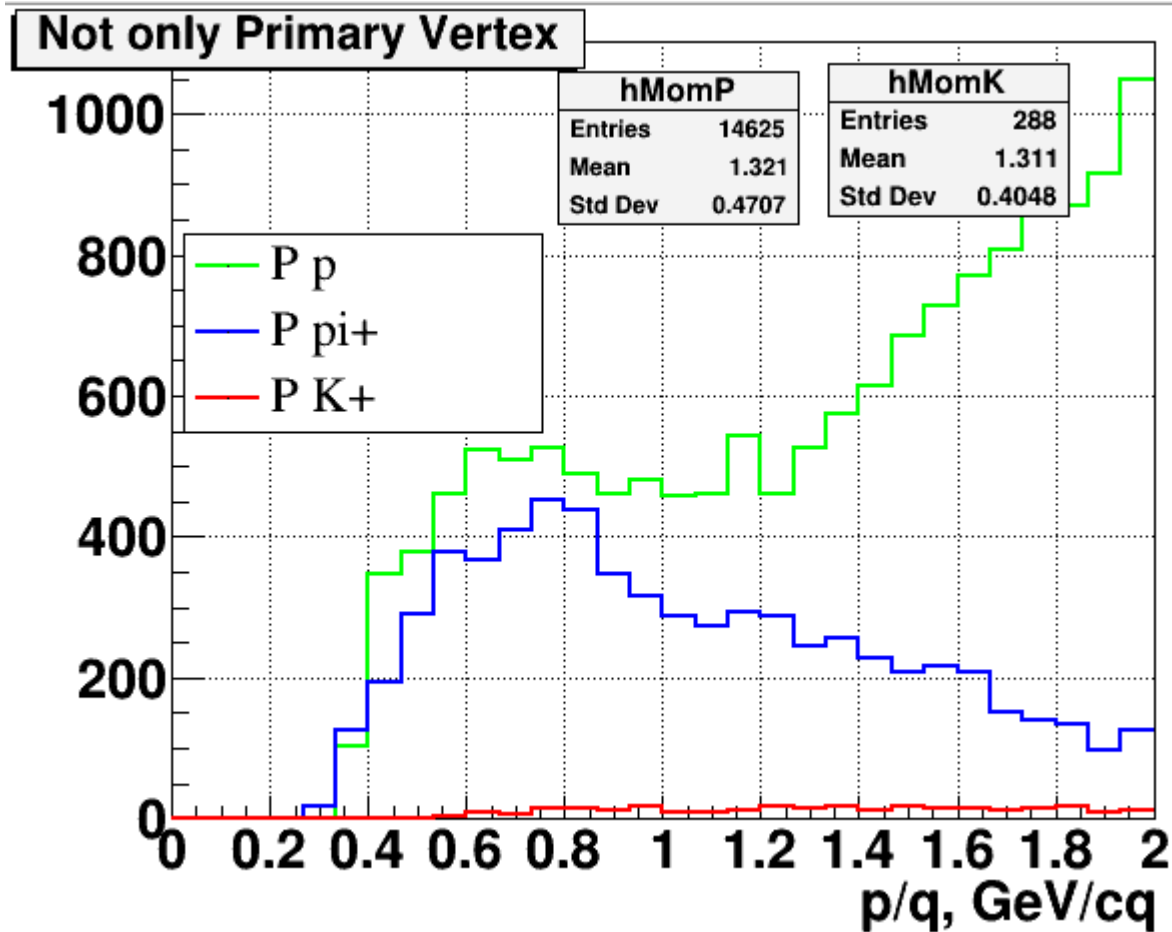
- Such gem efficiency can not remove peak at ~ 0.8 GeV/c

MC reconstruction



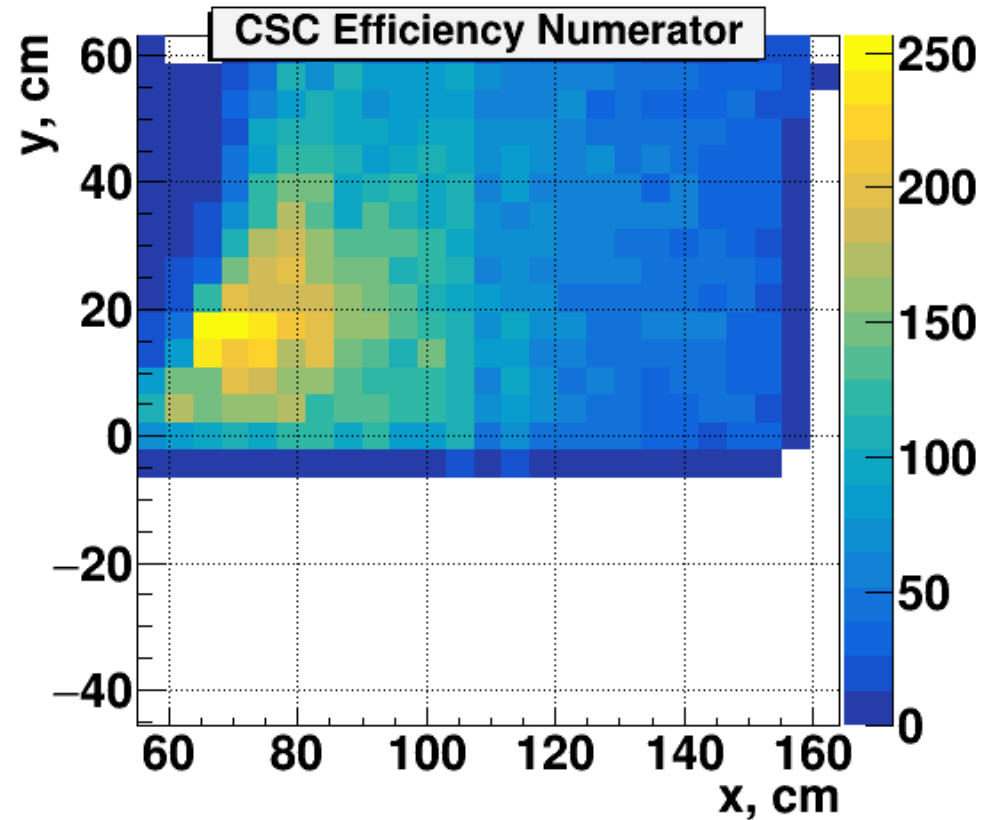
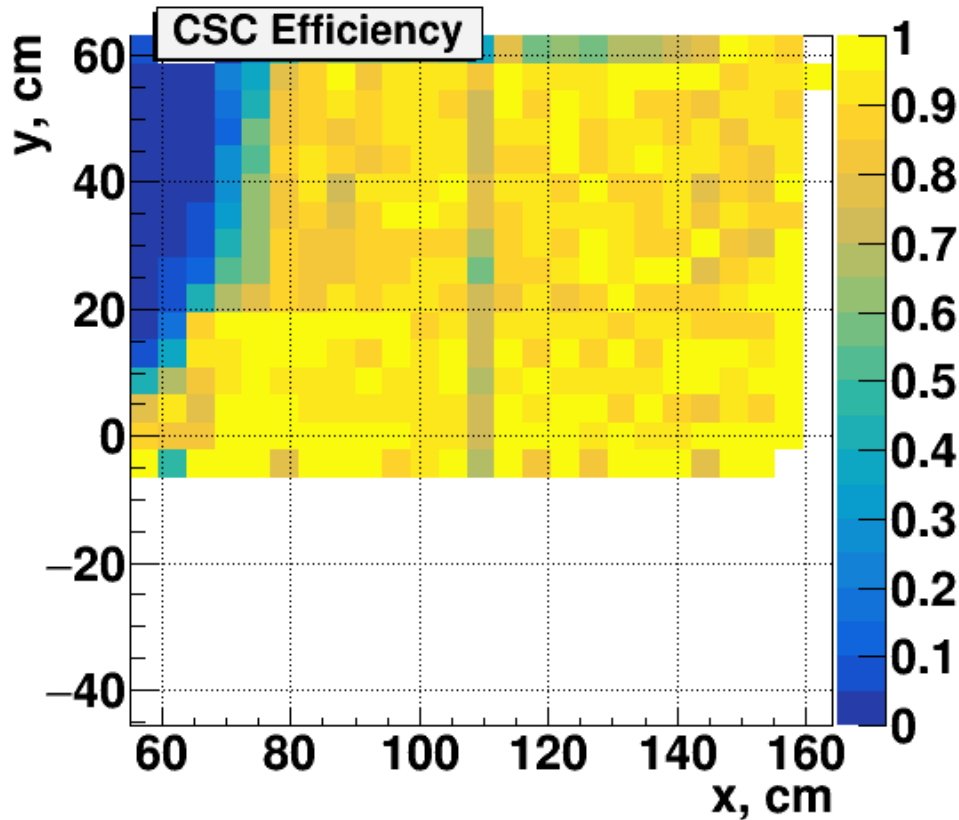
- Tracks not only from Primari Vertex

MC simulation, not only from PV



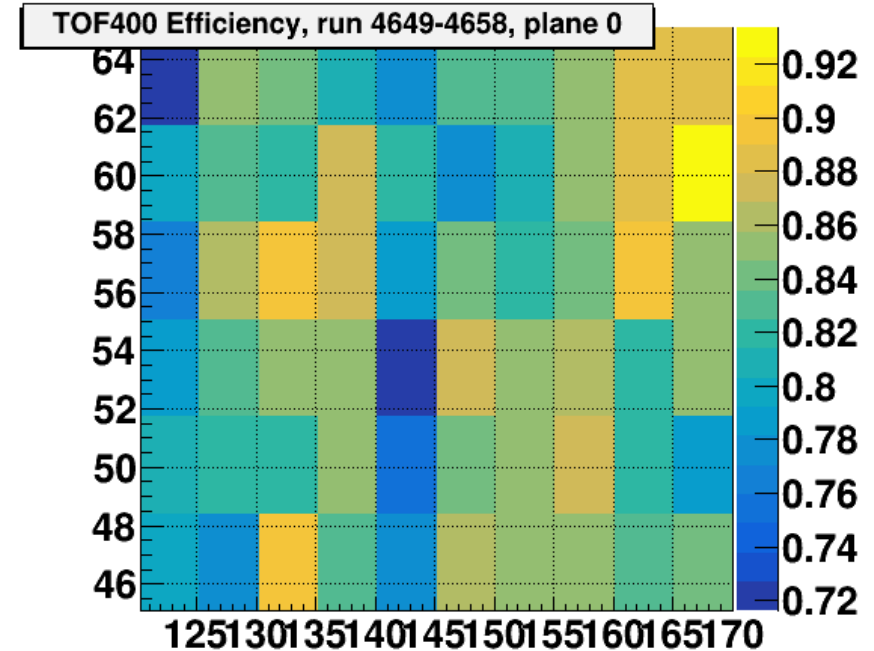
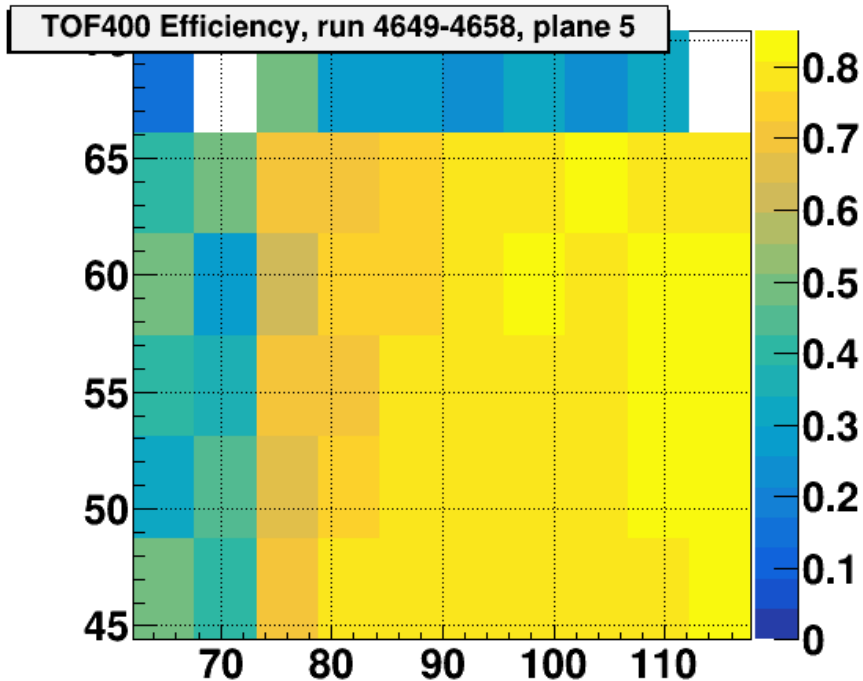
- Part of the non-primary is not so large

CSC efficiency



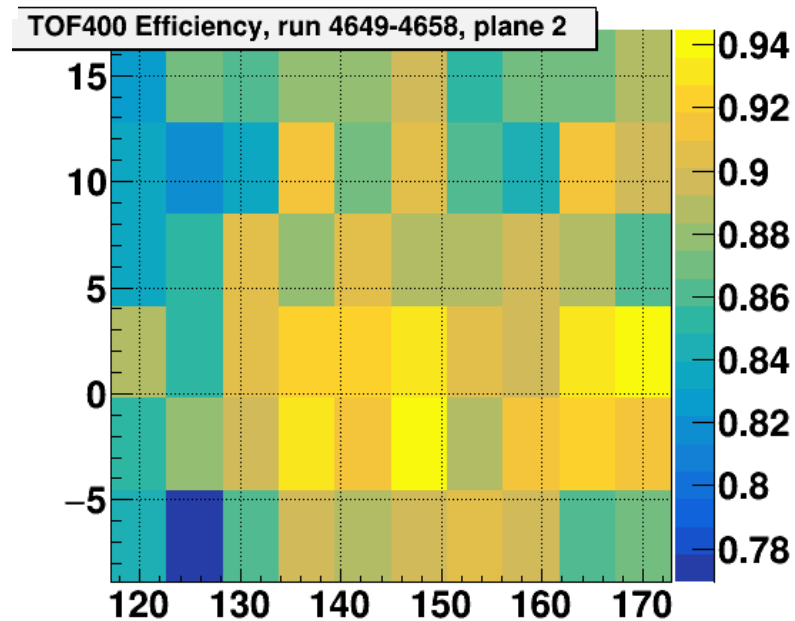
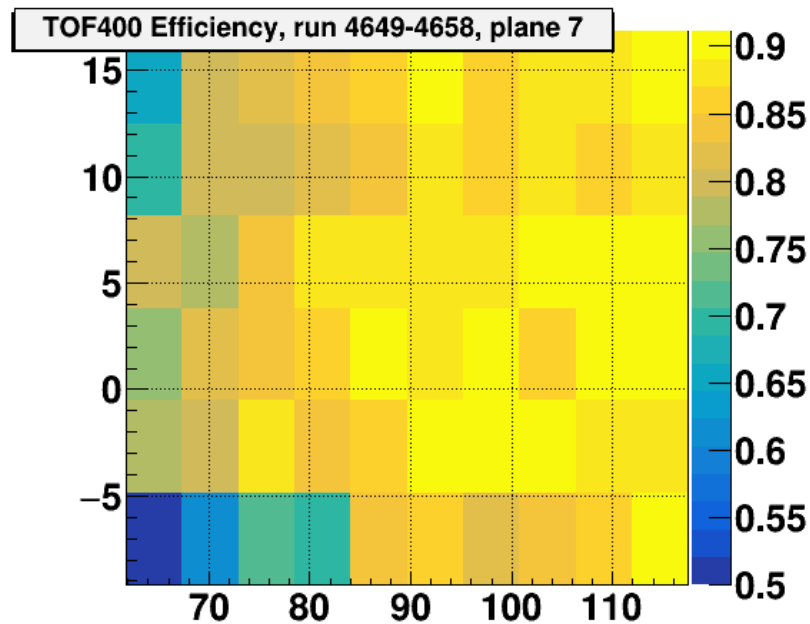
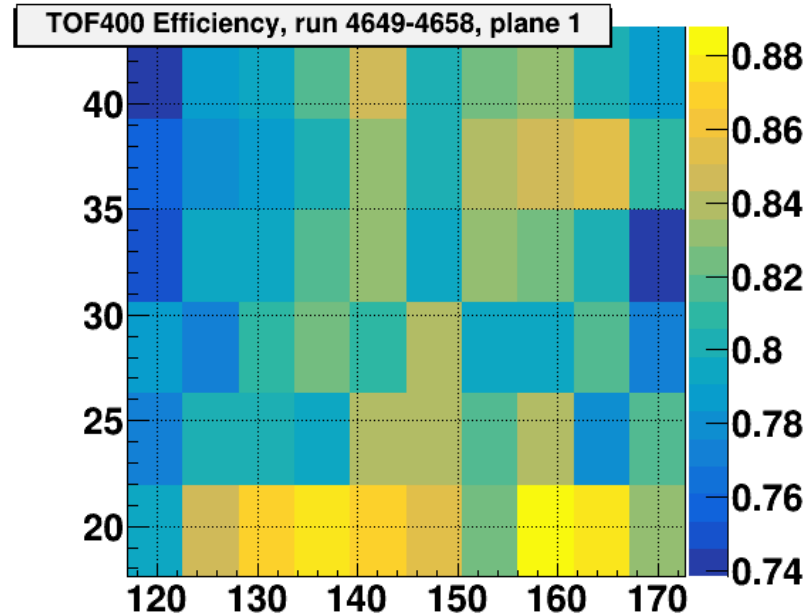
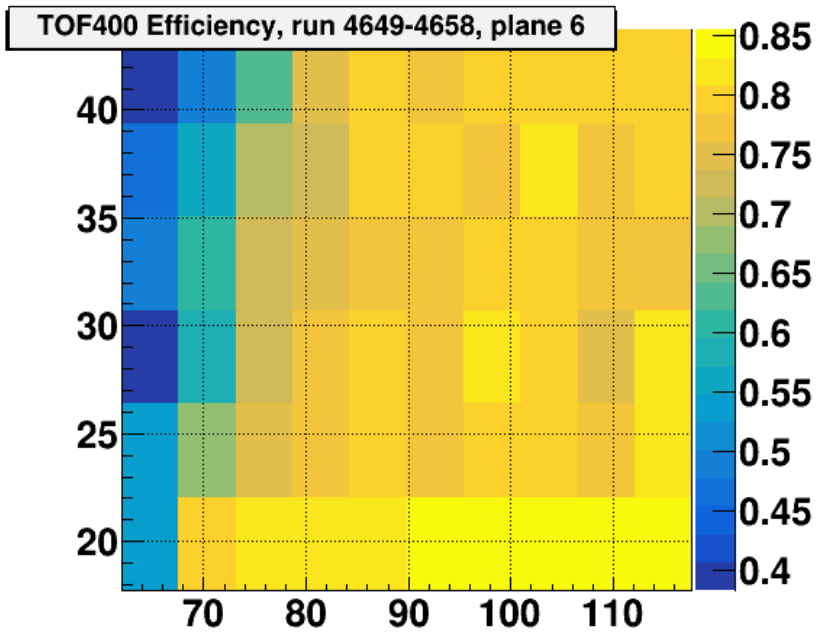
- Mostly reject tracks with high momentum

TOF400, planes 1, 6, efficiency

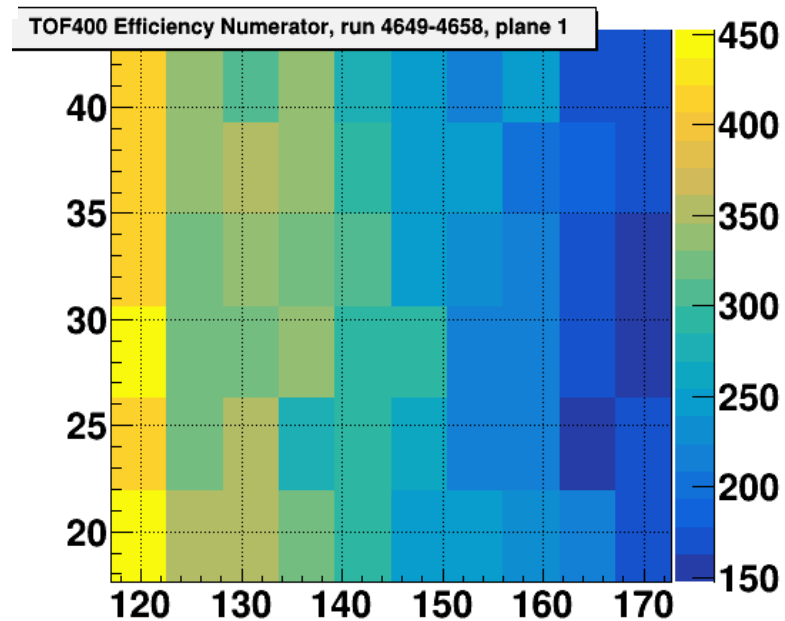
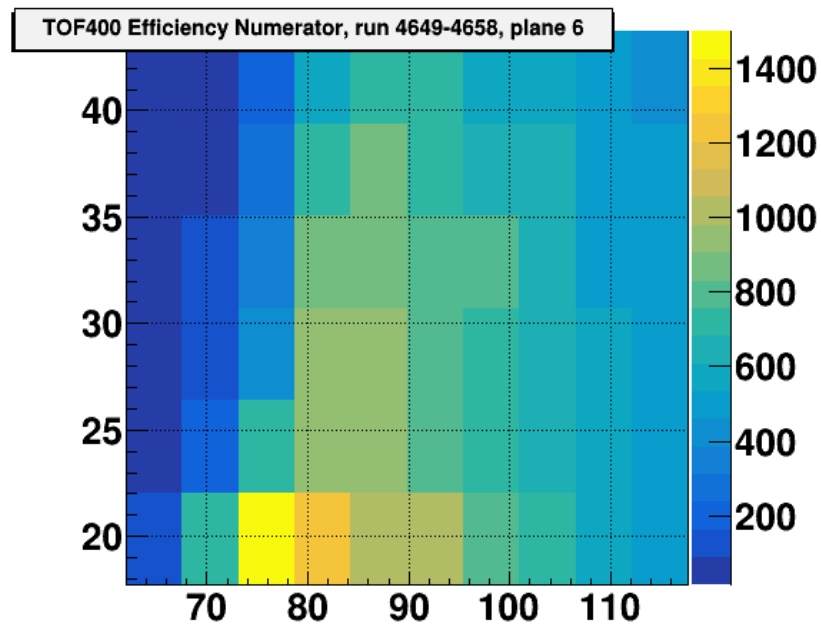
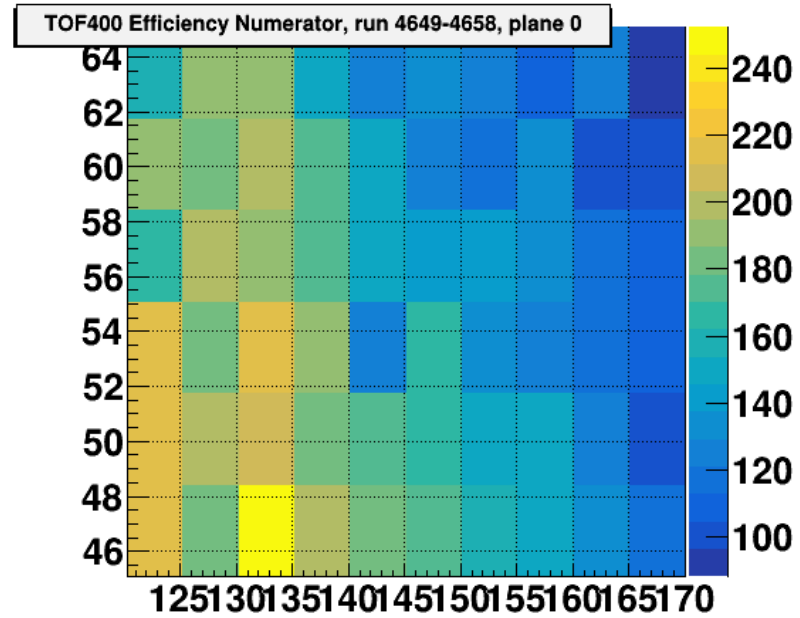
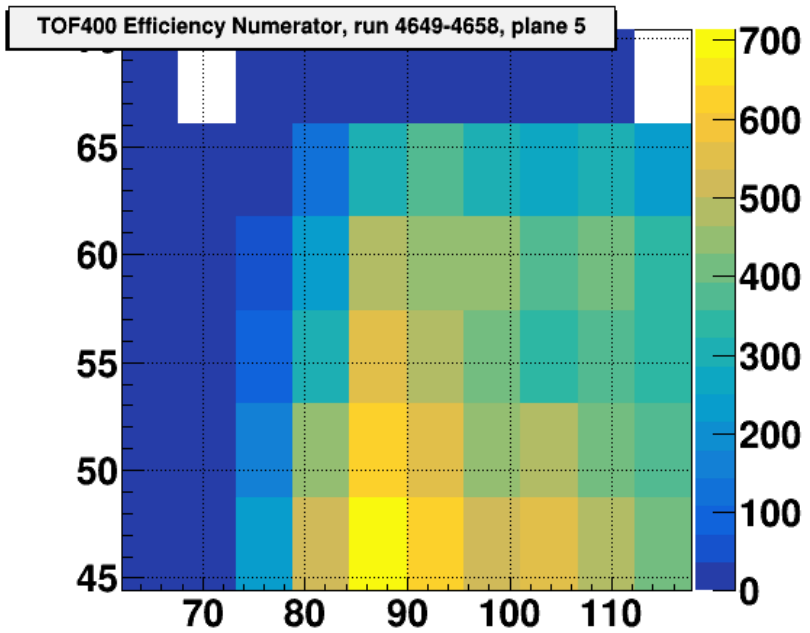


- Equally rejects tracks with all momenta

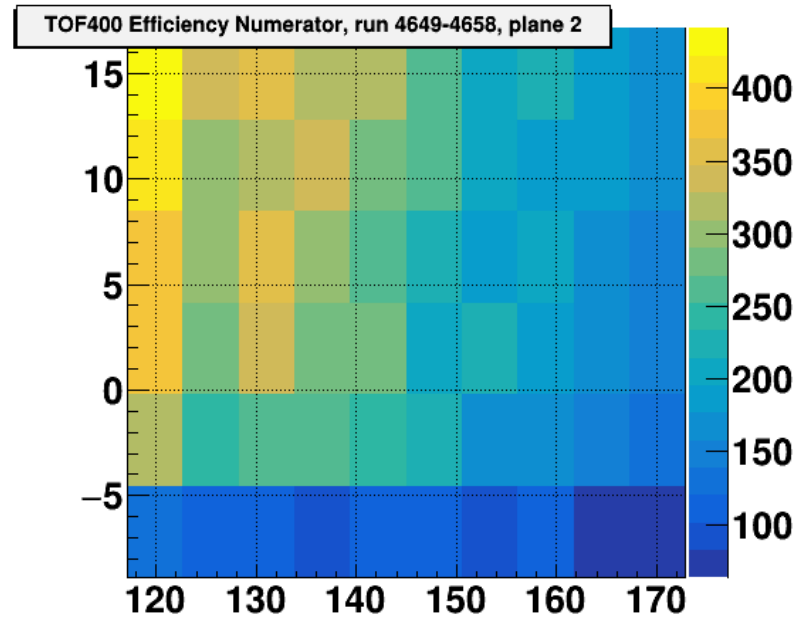
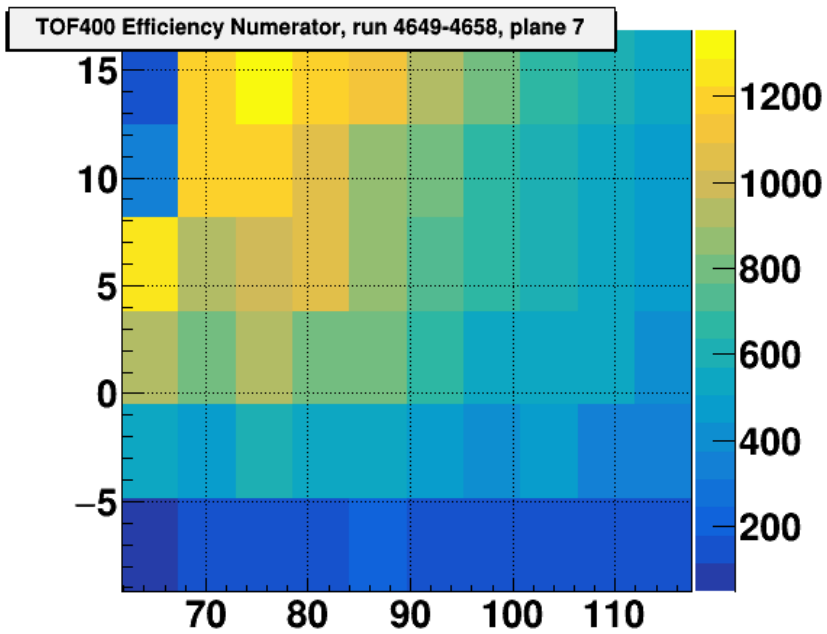
TOF400, planes 2, 3, 7, 8, efficiency



TOF400, number of probe tracks



TOF400, number of probe tracks



Thank you!