

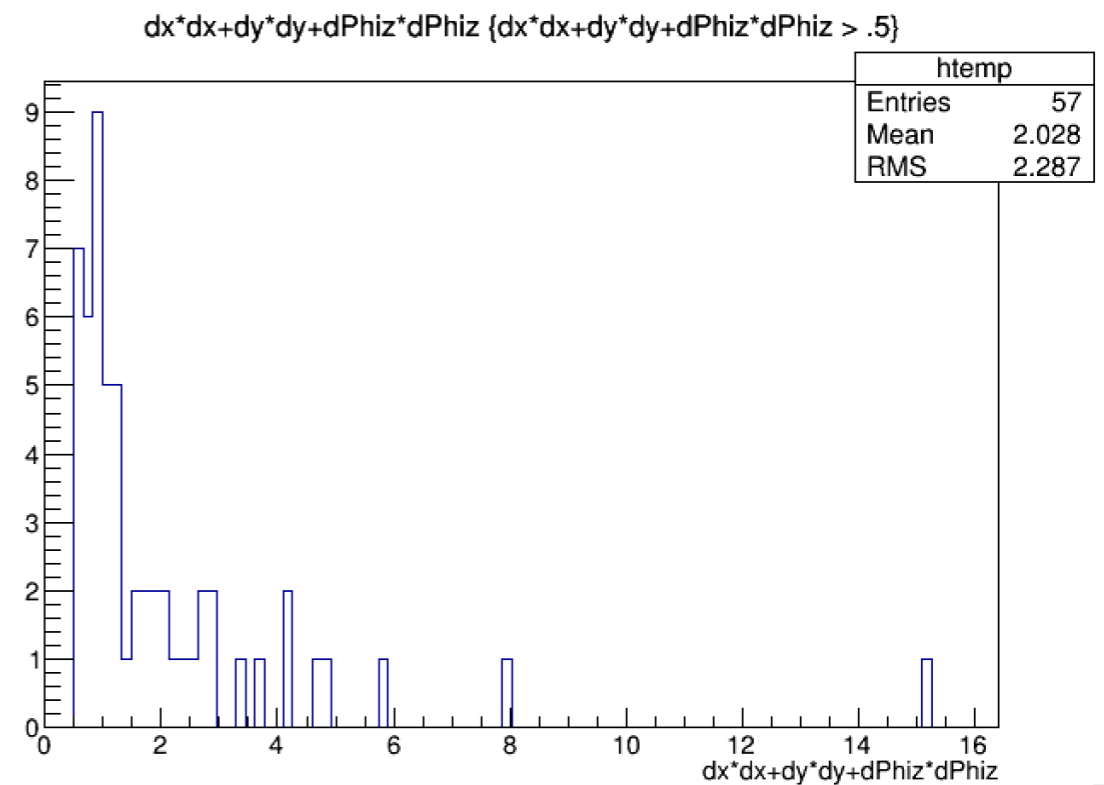


DY sample

- Filtering out chambers with biggest differences
 - What I did:
 - Find the differences between 3DOF MC xml and 6DOF MC xml and make a file with the wheel/station/sector and dx/dy/dz/dphix/dphiy/dphiz
 - Select only the chambers with the biggest changes between the two geometries with this measure: $dx^2+dy^2+dphiz^2$
 - 57 out of 250 chambers remain.

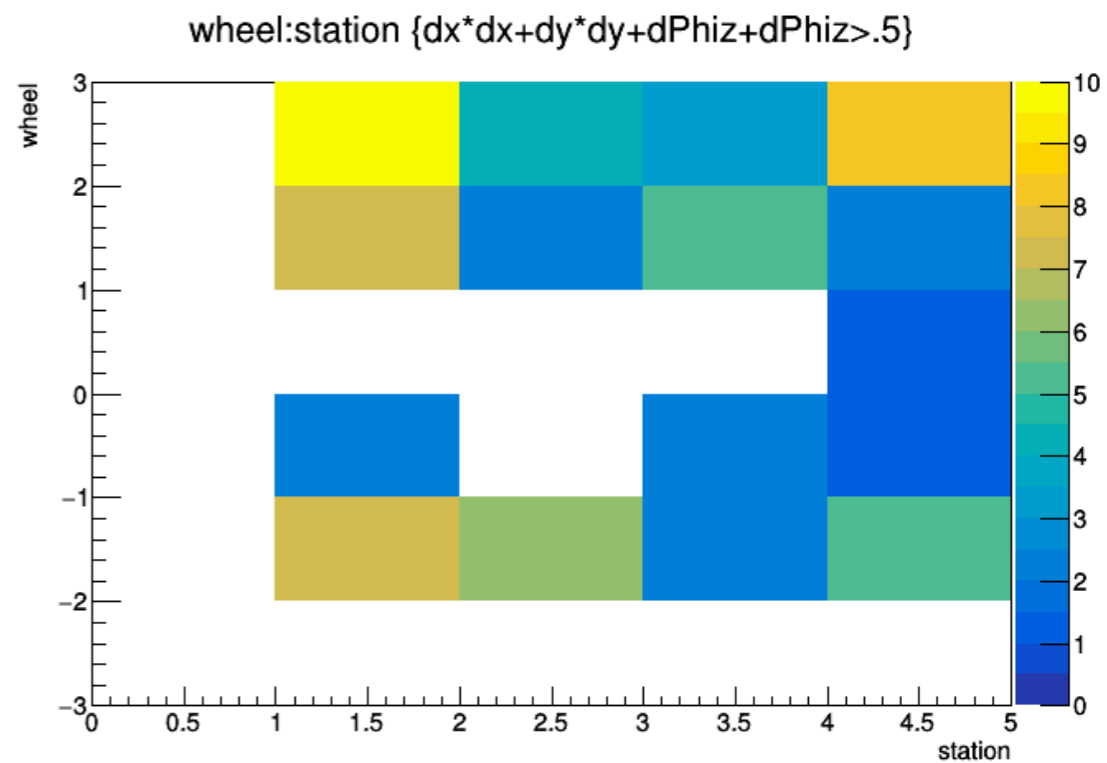
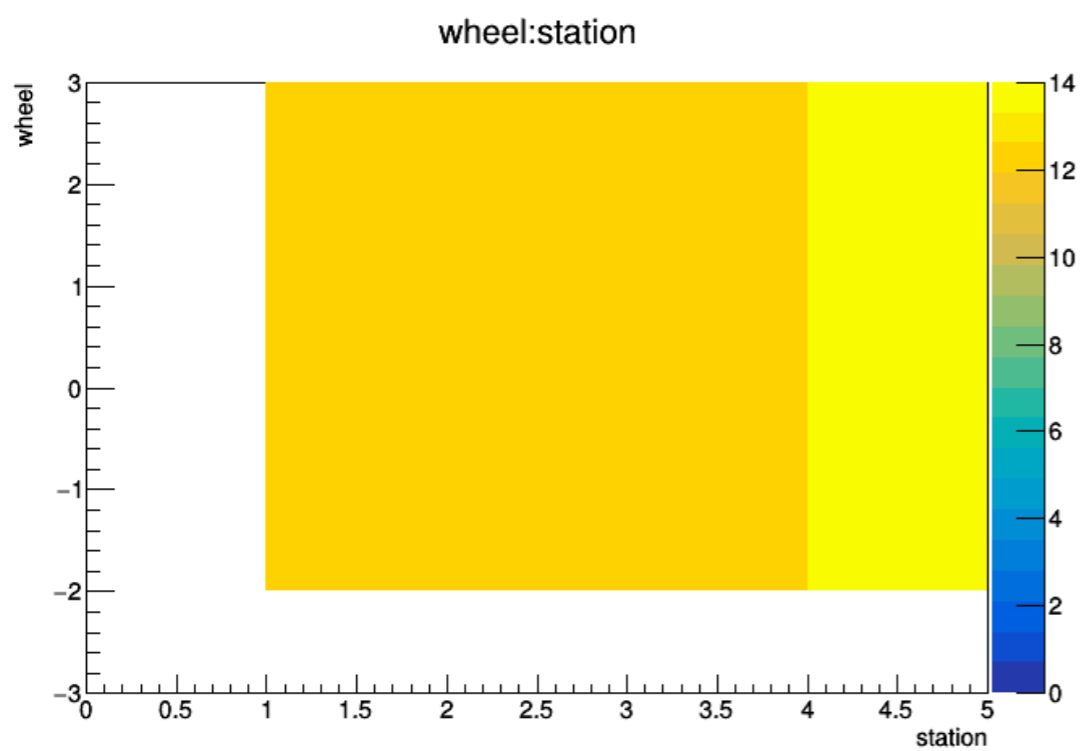
DY sample

- Plot on right shows the distribution of the cut variable after applying the cut

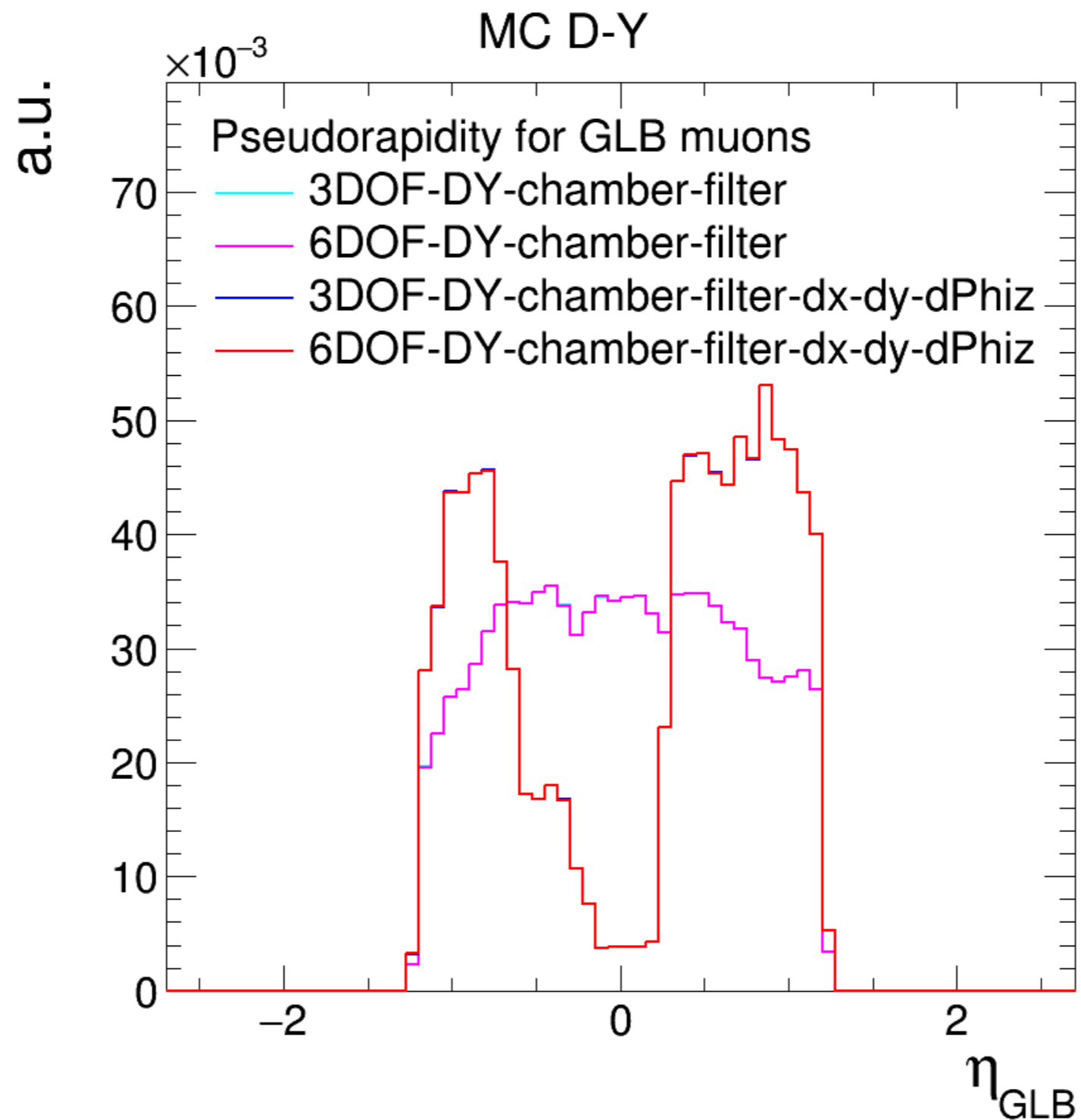




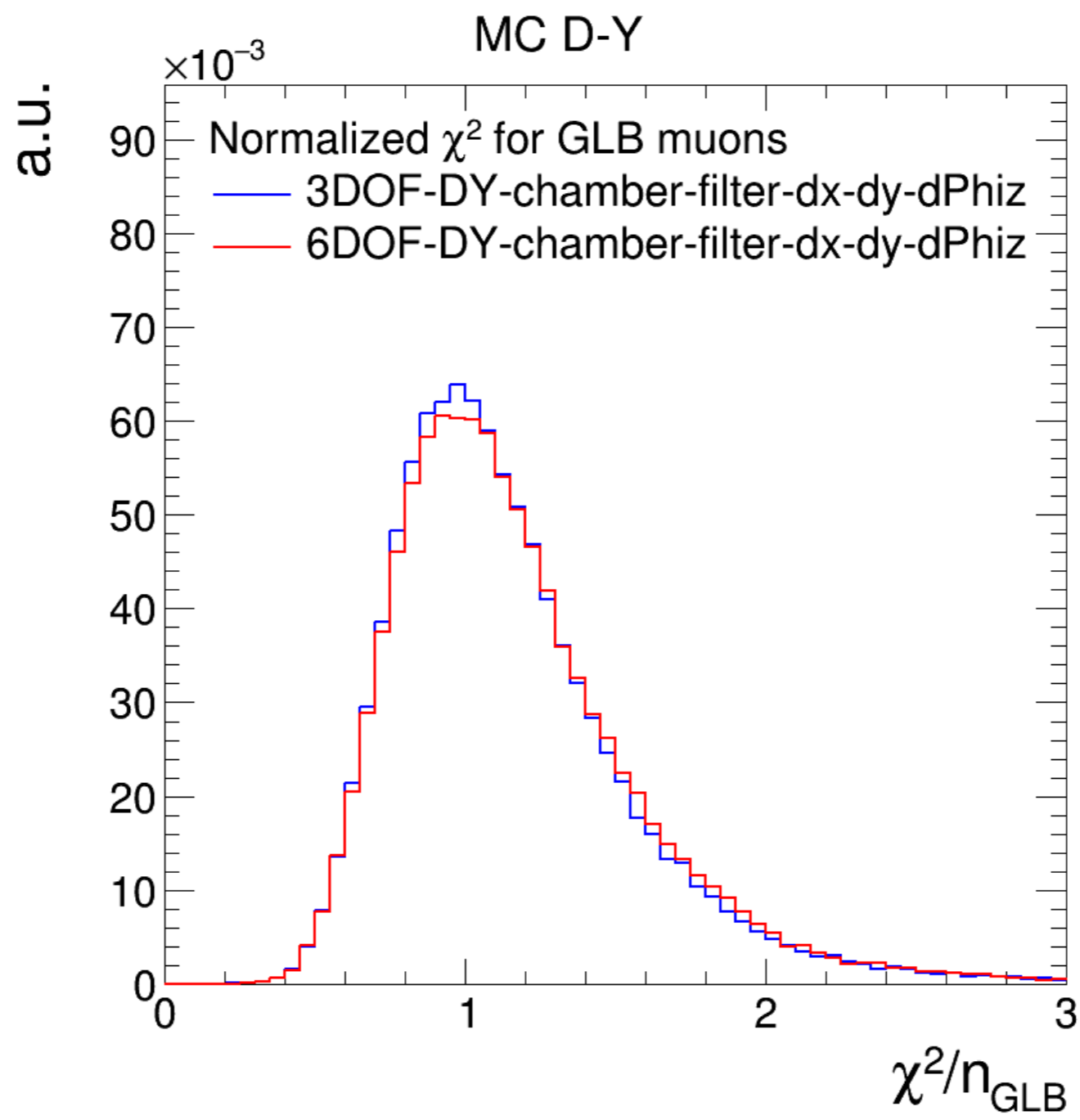
Rough vis of chambers



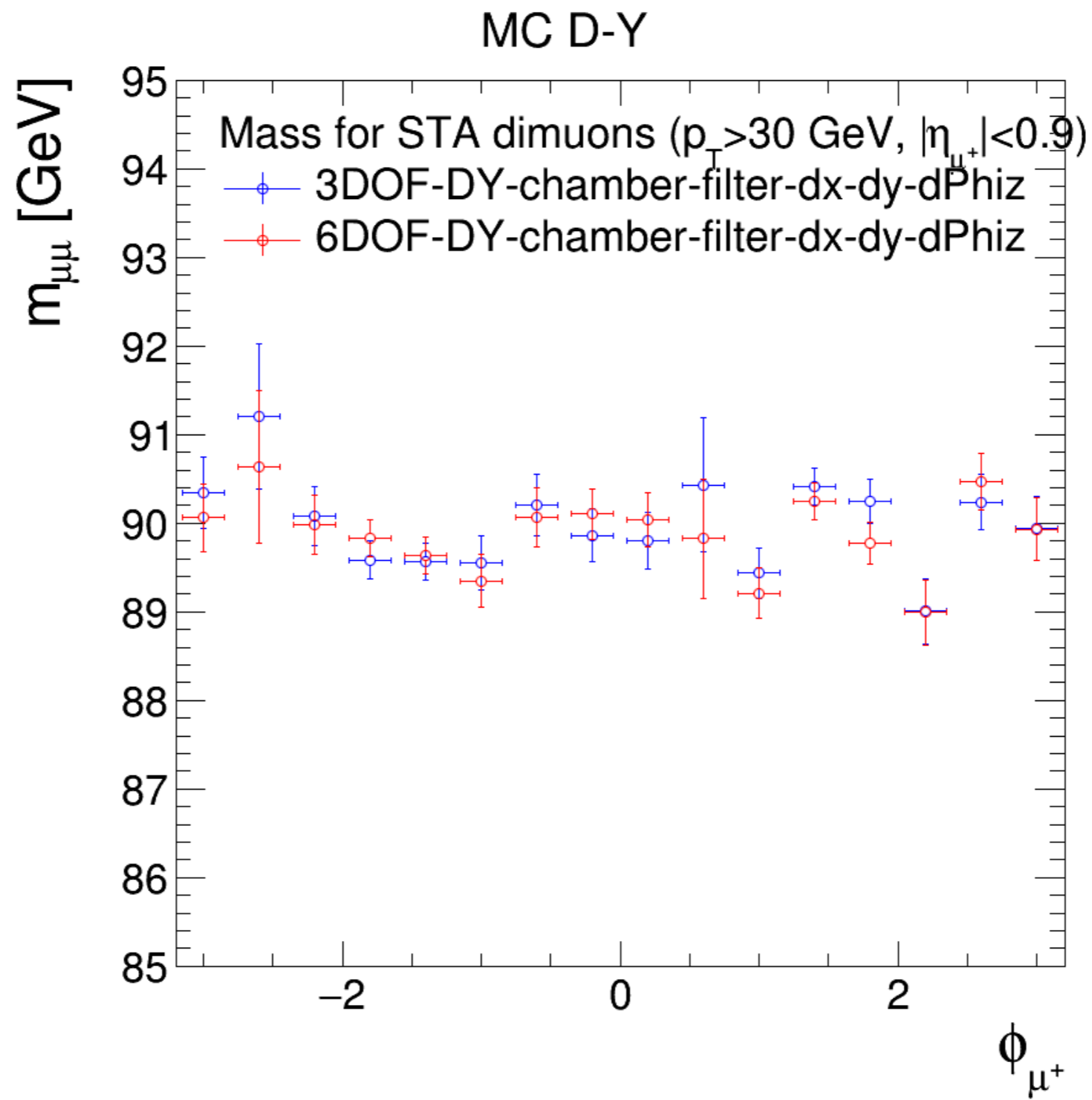
DY sample



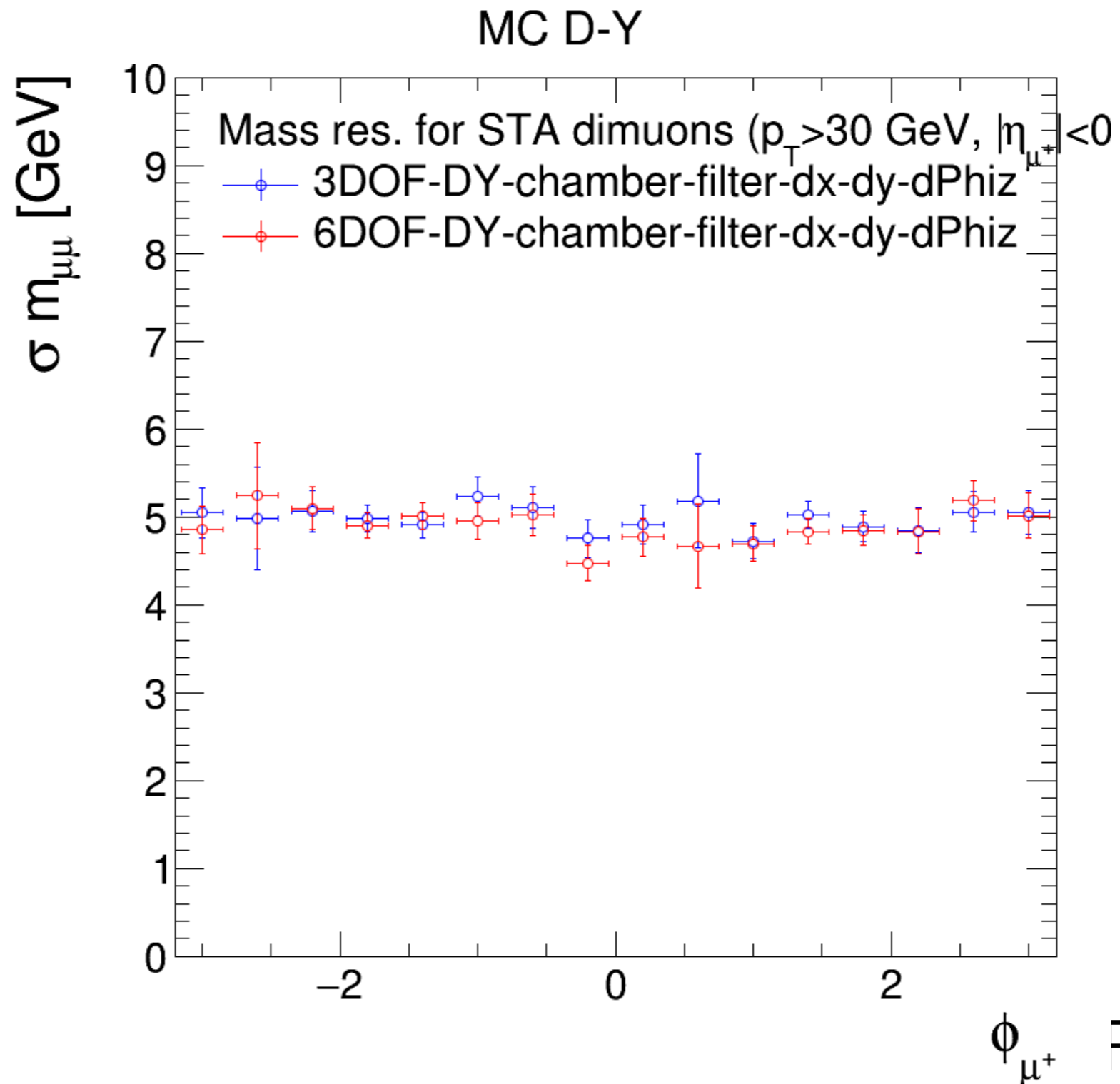
DY sample



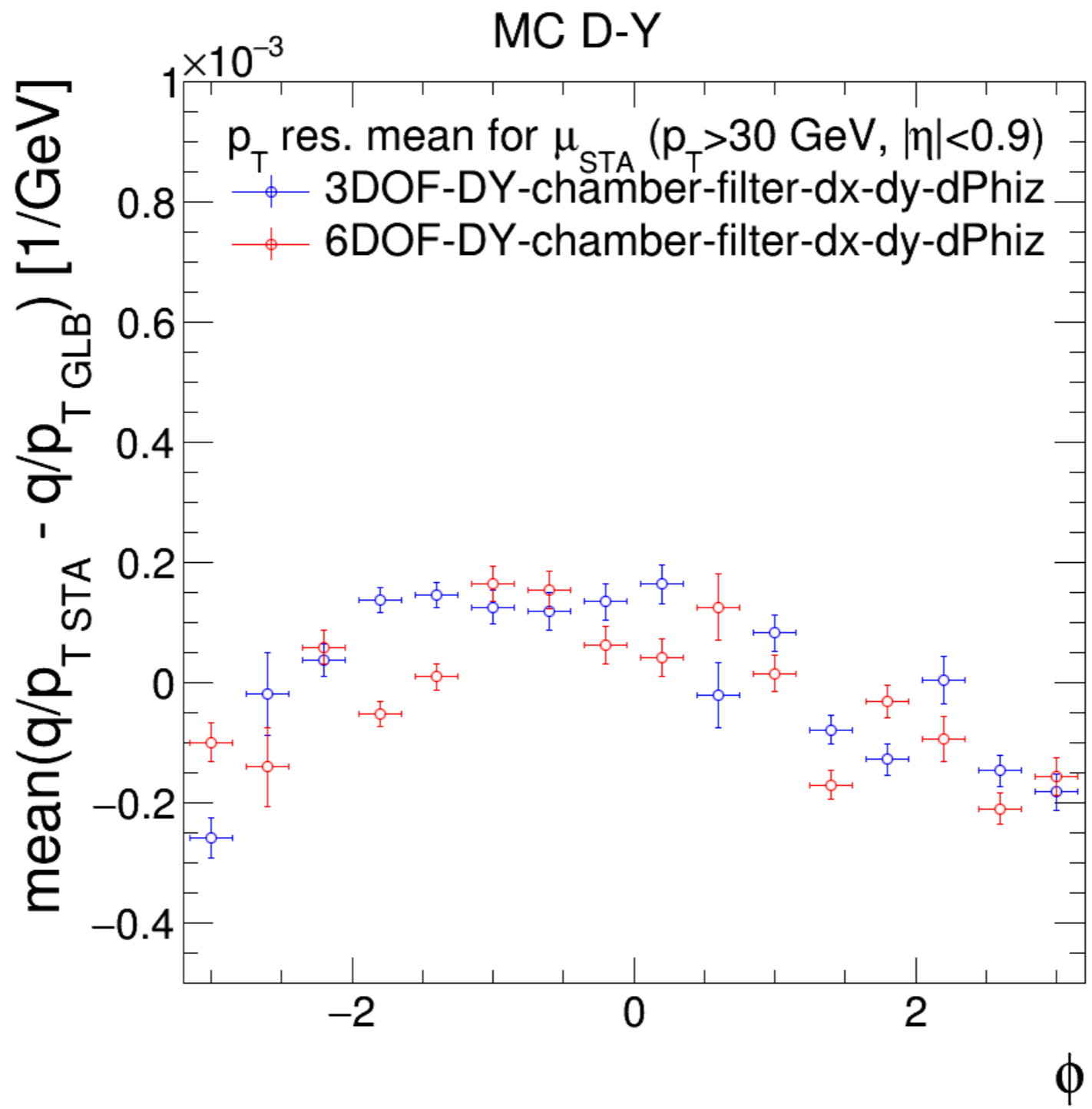
DY sample



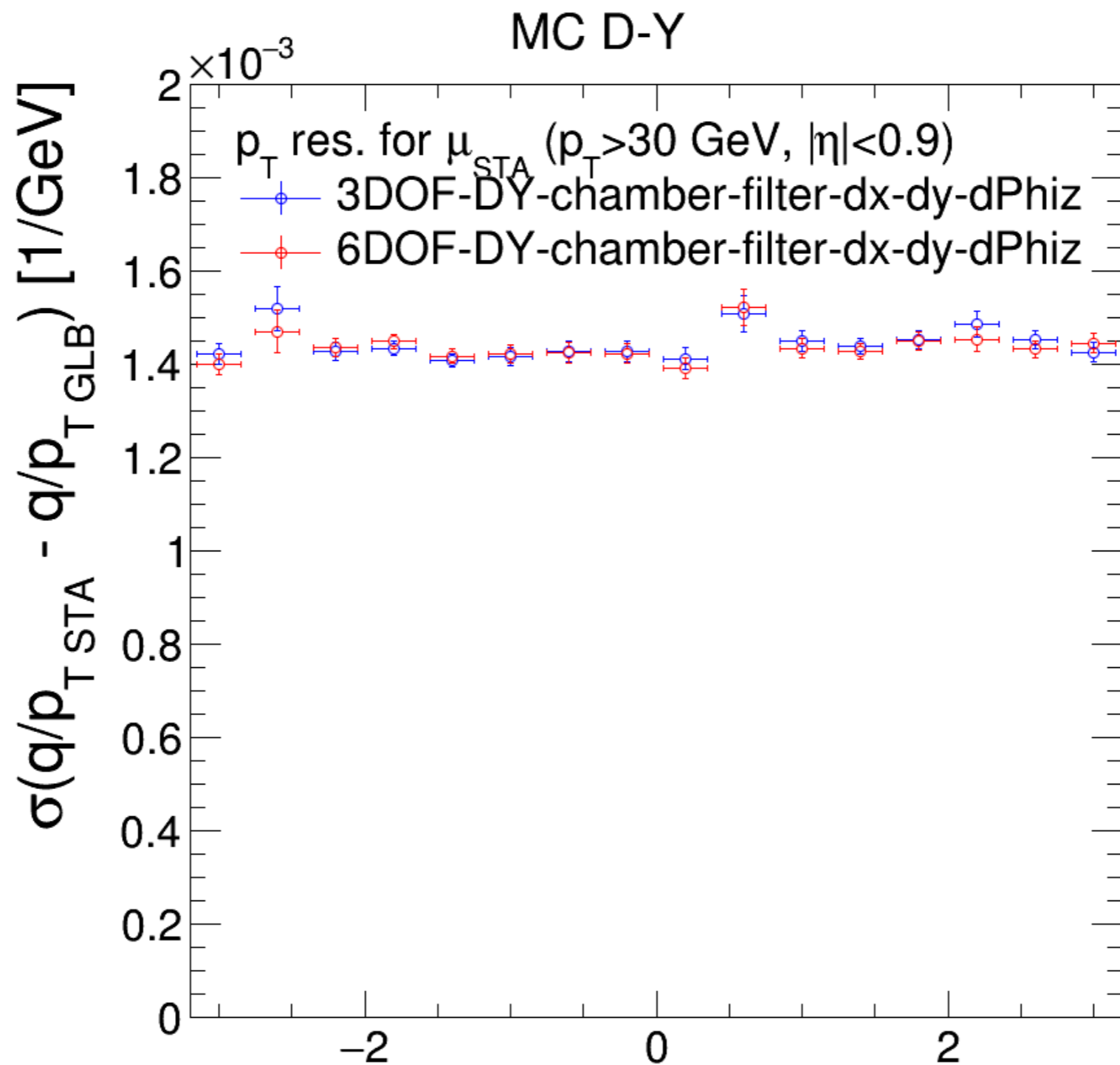
DY sample



DY sample



DY sample



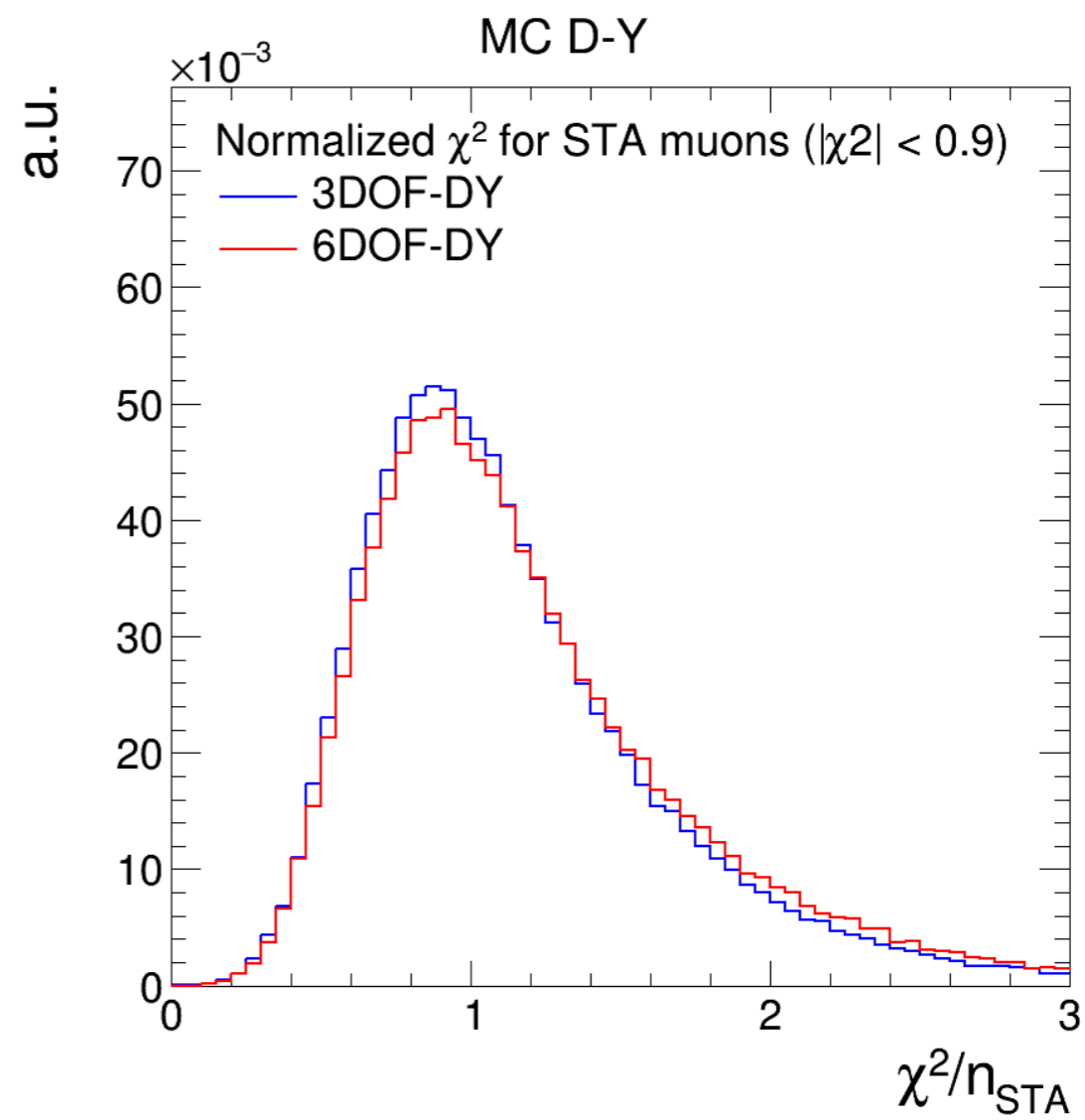
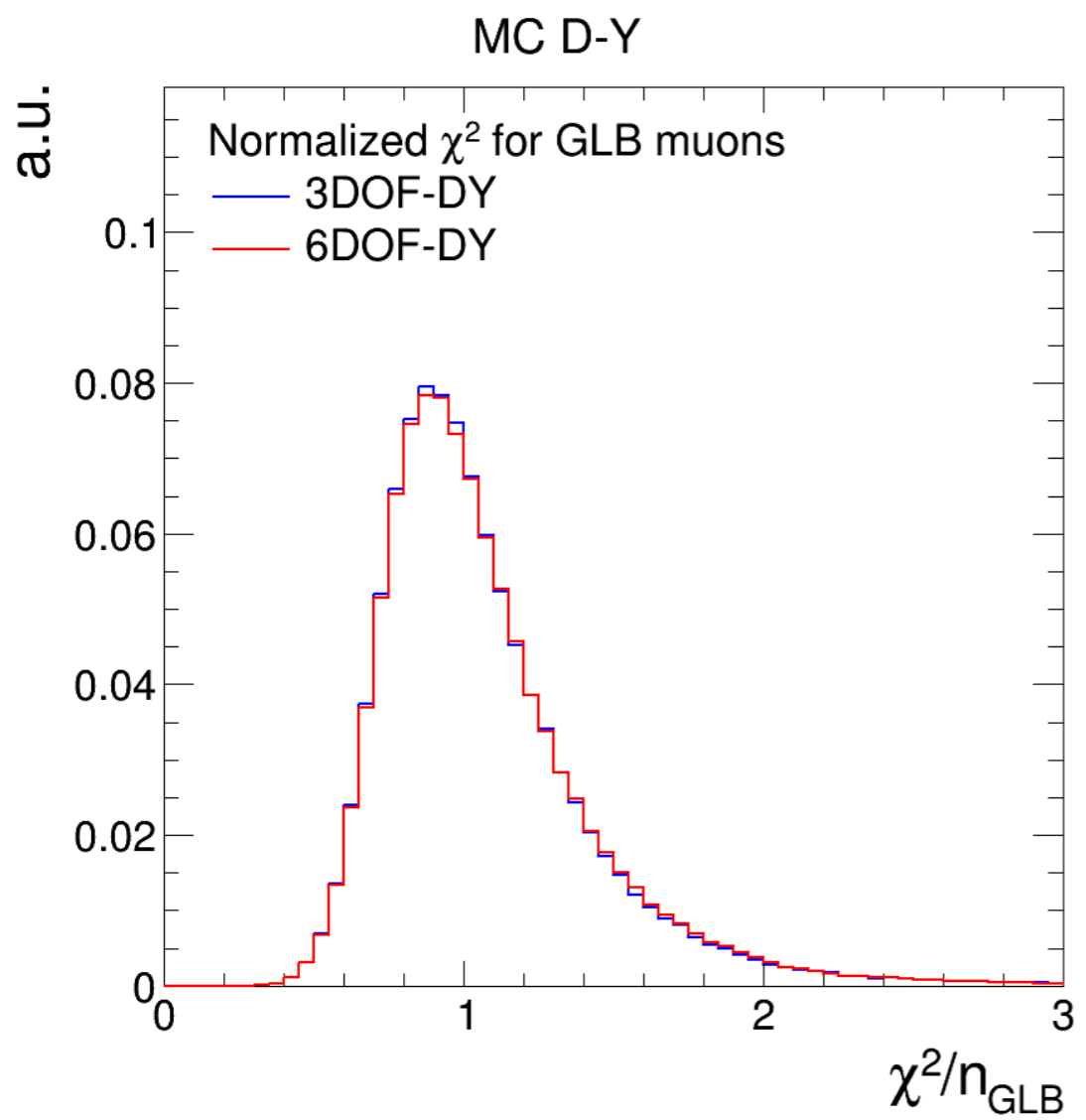
Update July 20th



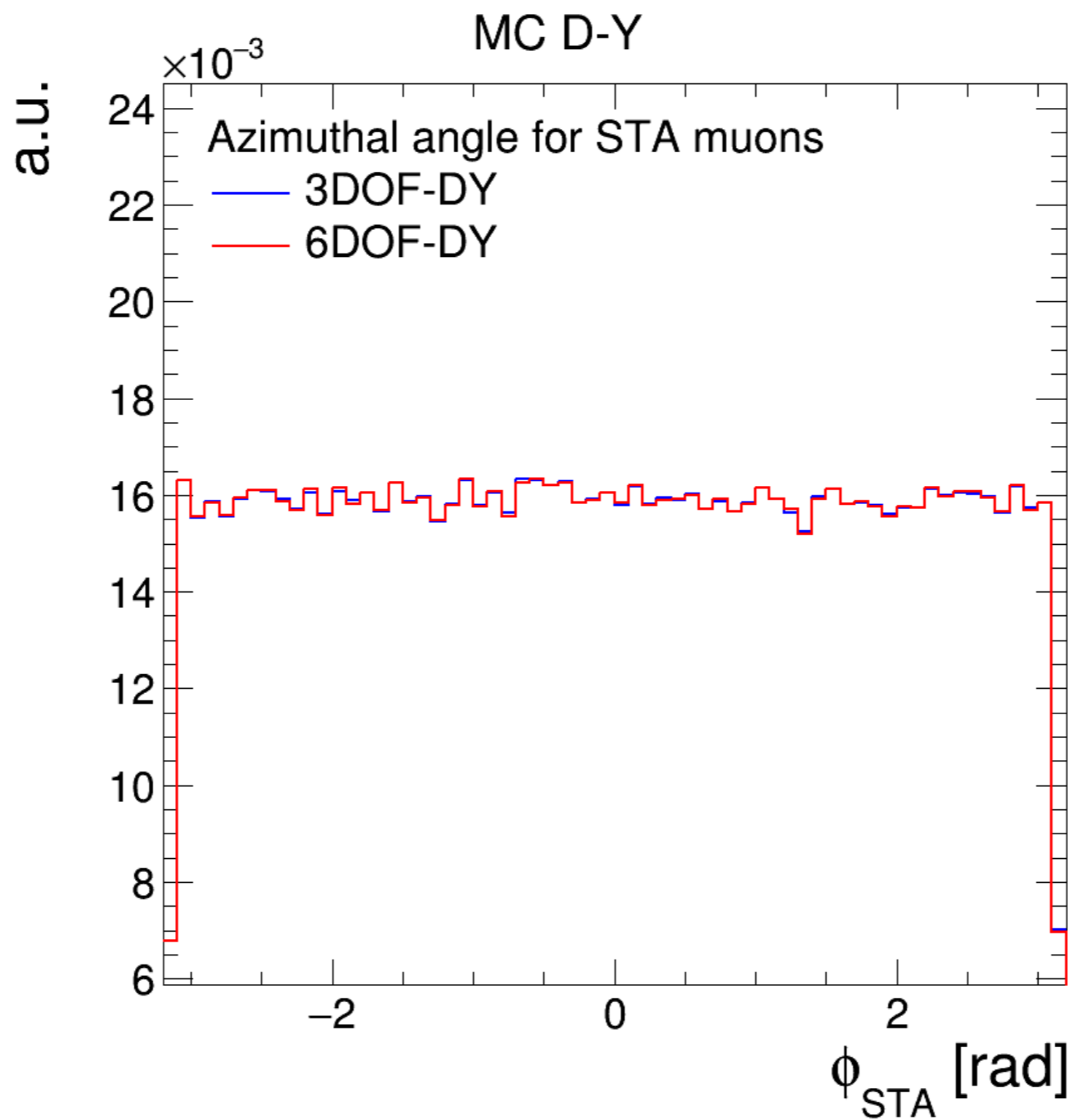
DY sample

- Sample: DYJetsToLL_M-50_TuneCUETP8M1_13TeV-amcatnloFXFX-pythia8
 - 6DOF: 90,050 events
 - 3DOF: 90,046 events
- Config:
 - 6DOF DT: mc_DT-1100-111111_CMSSW_8_0_8_patch1_missaligned_45M_8TeV_FIDT0fixRef_v4Ryan_03.db
 - 3DOF DT: mc_DT-1100-110001_CMSSW_8_0_8_patch1_mis_45M_8TeV_FIDT0fixRef_v4_03.db
 - All else from 80X_mcRun2_design_v14

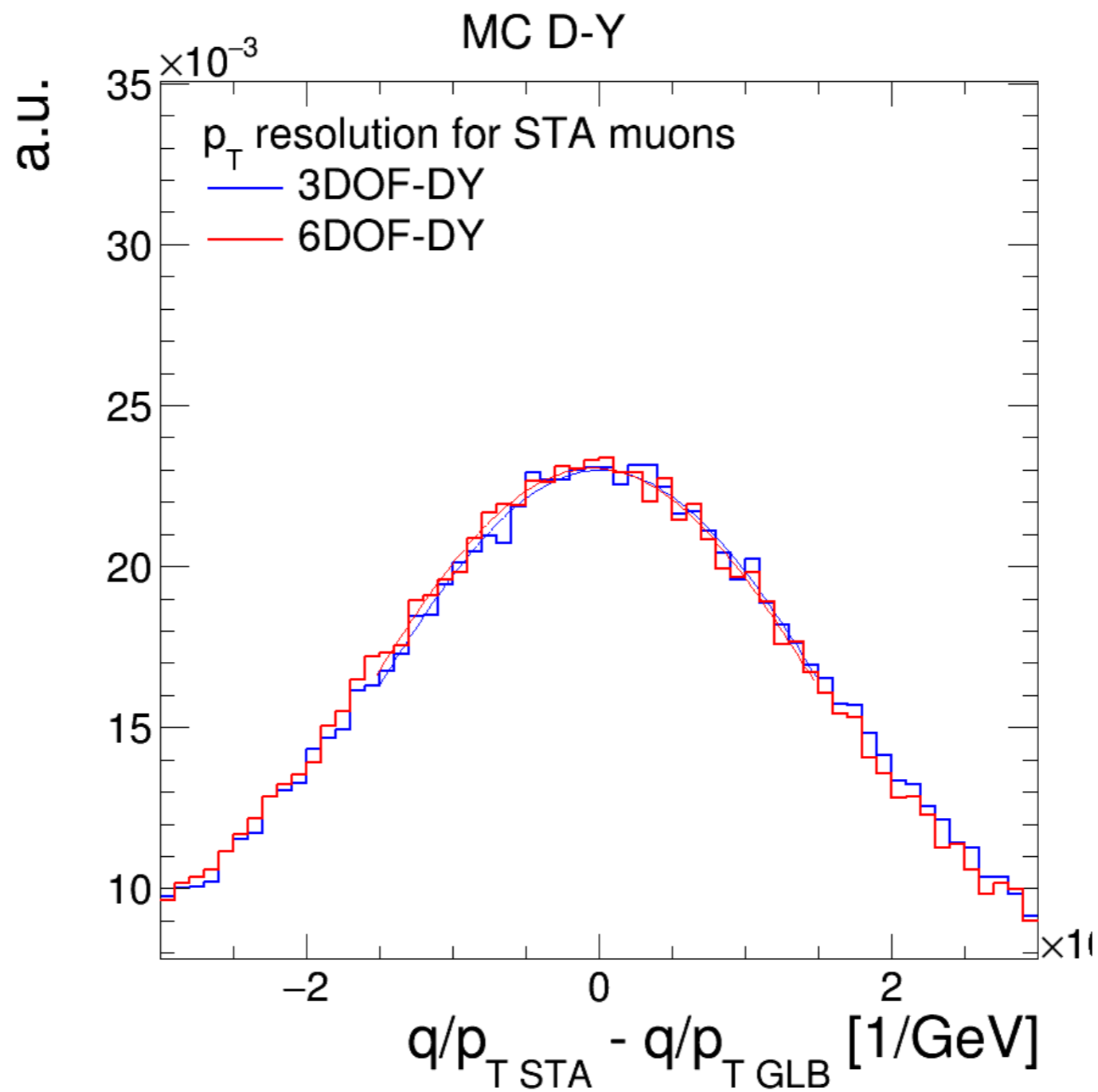
nChi^2



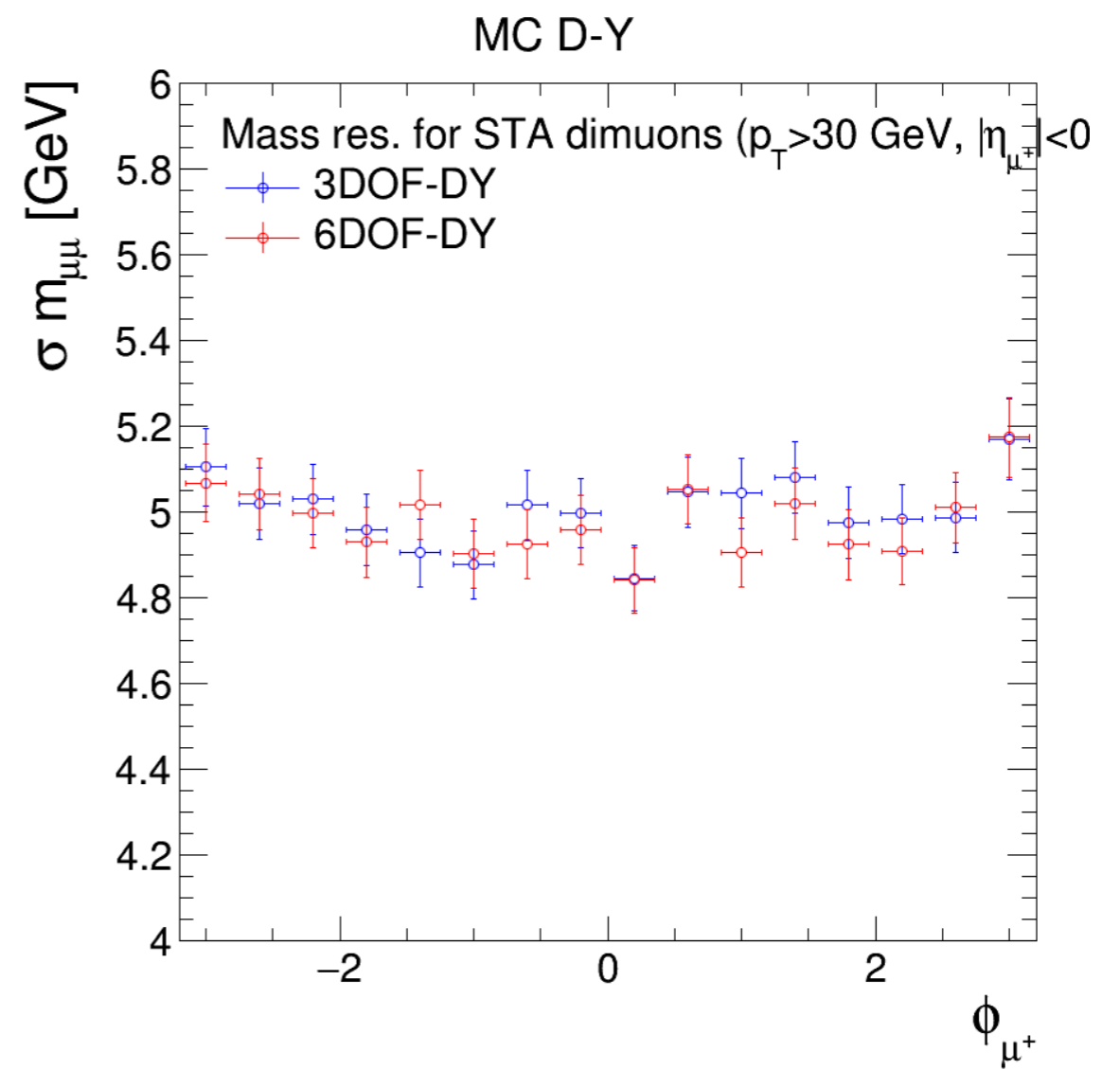
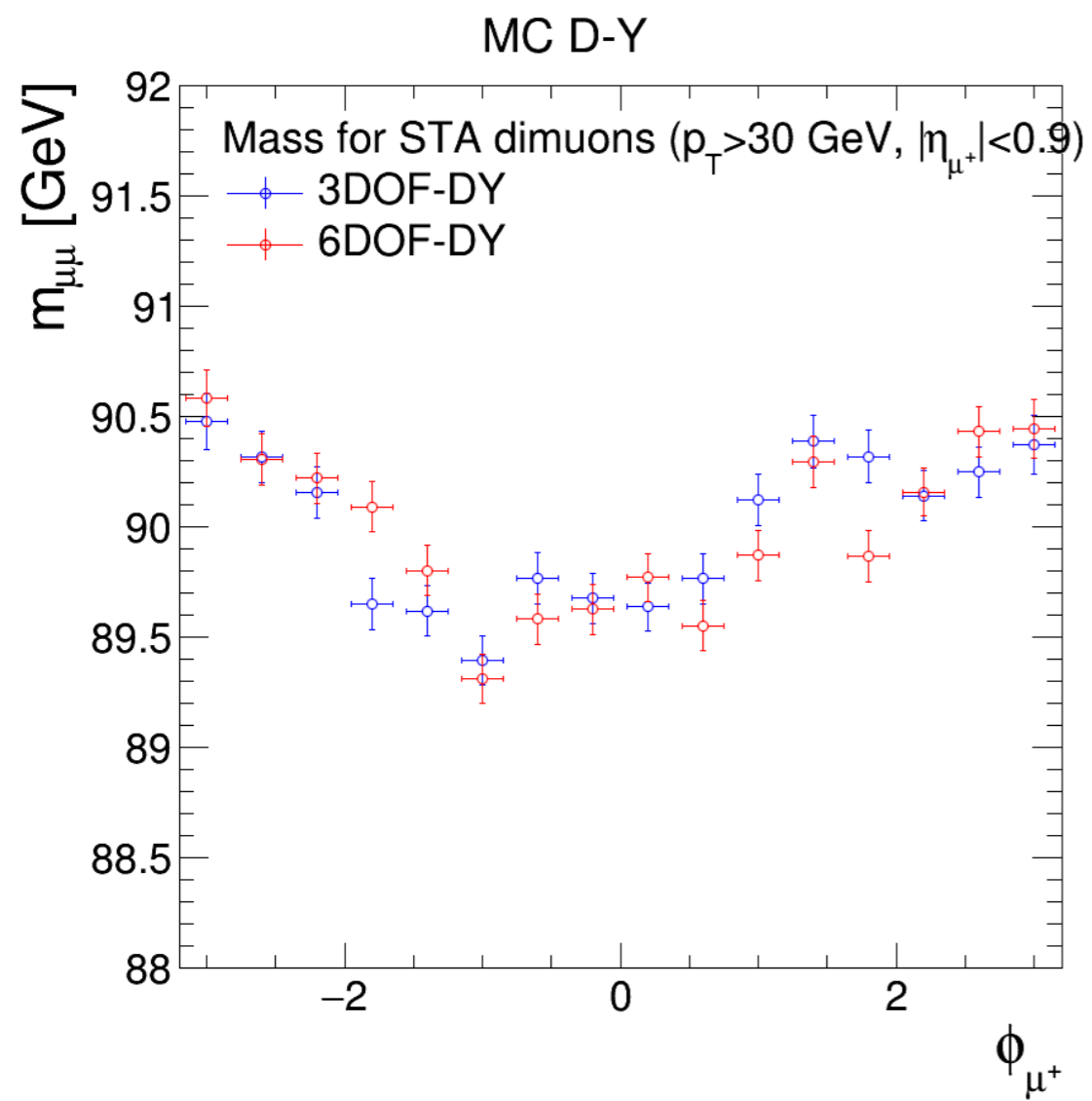
sta phi



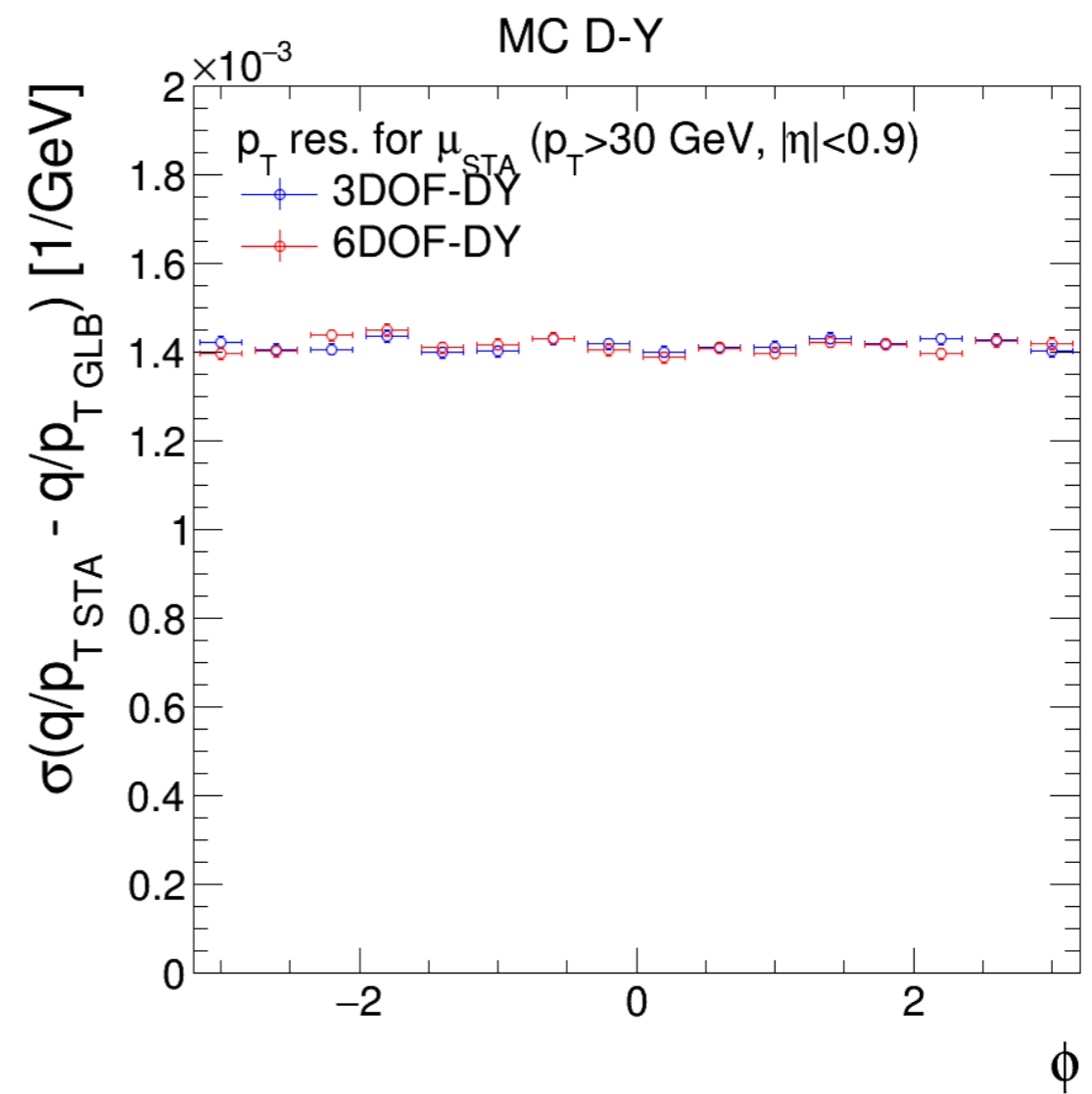
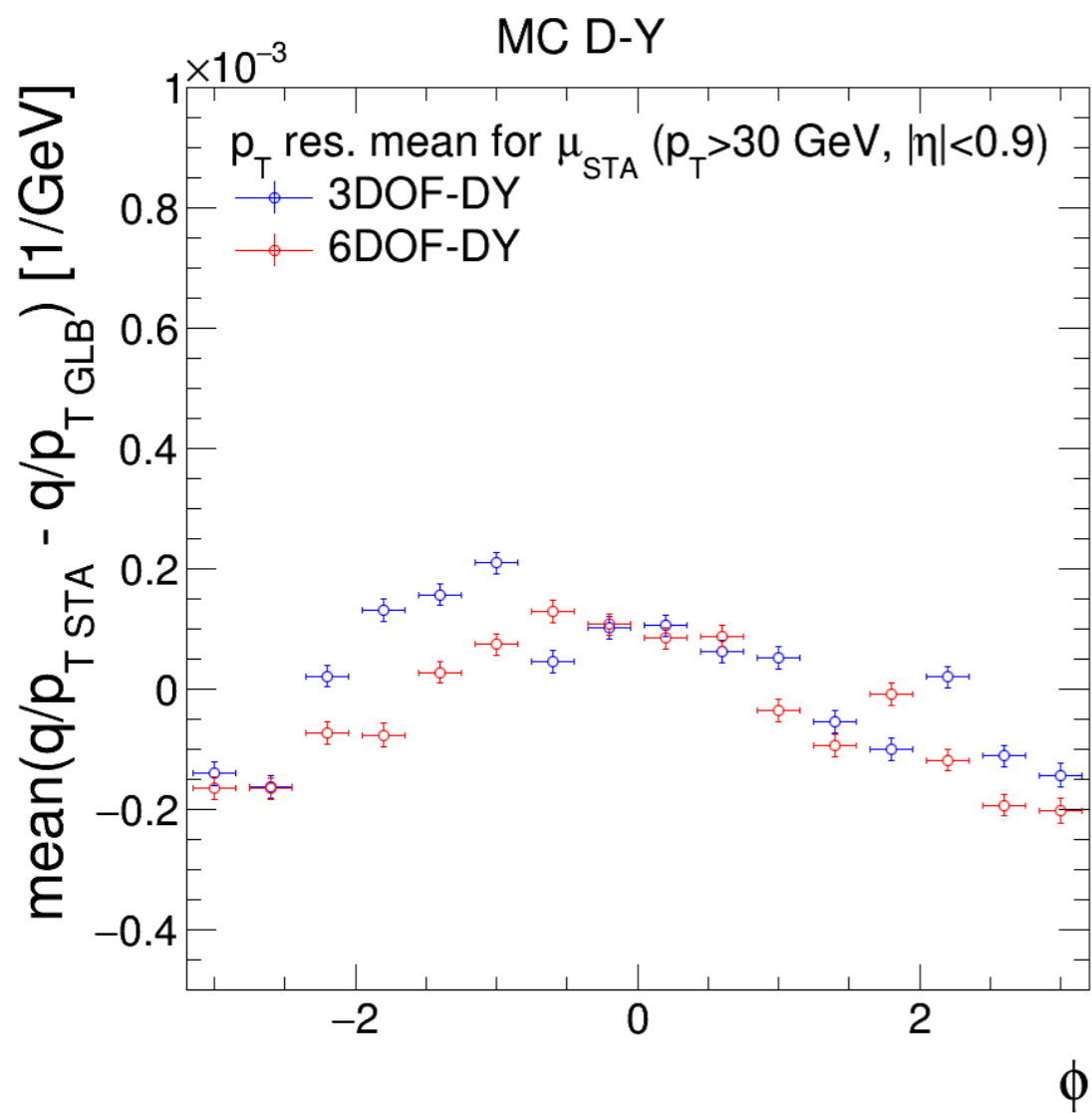
pT Res



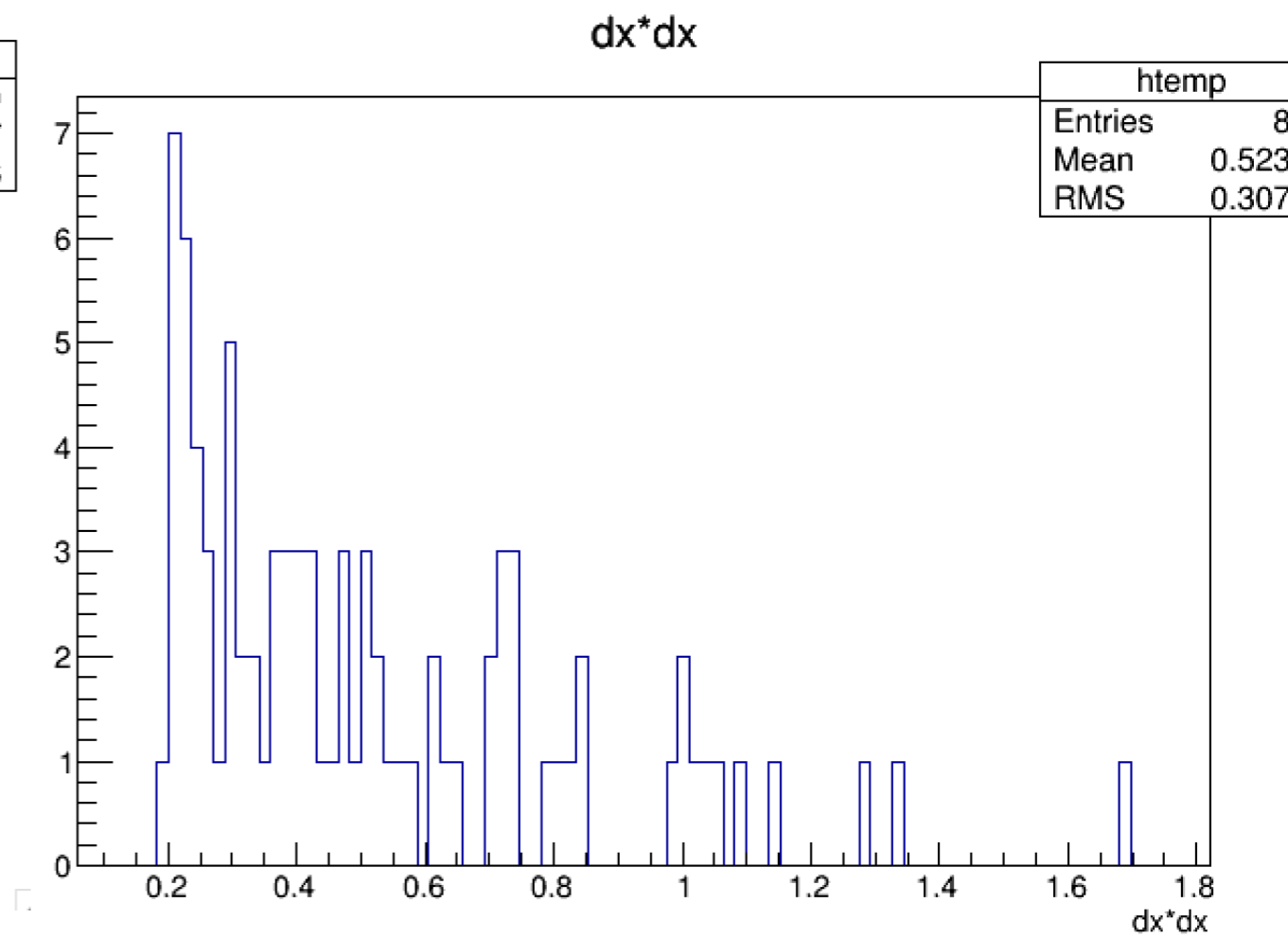
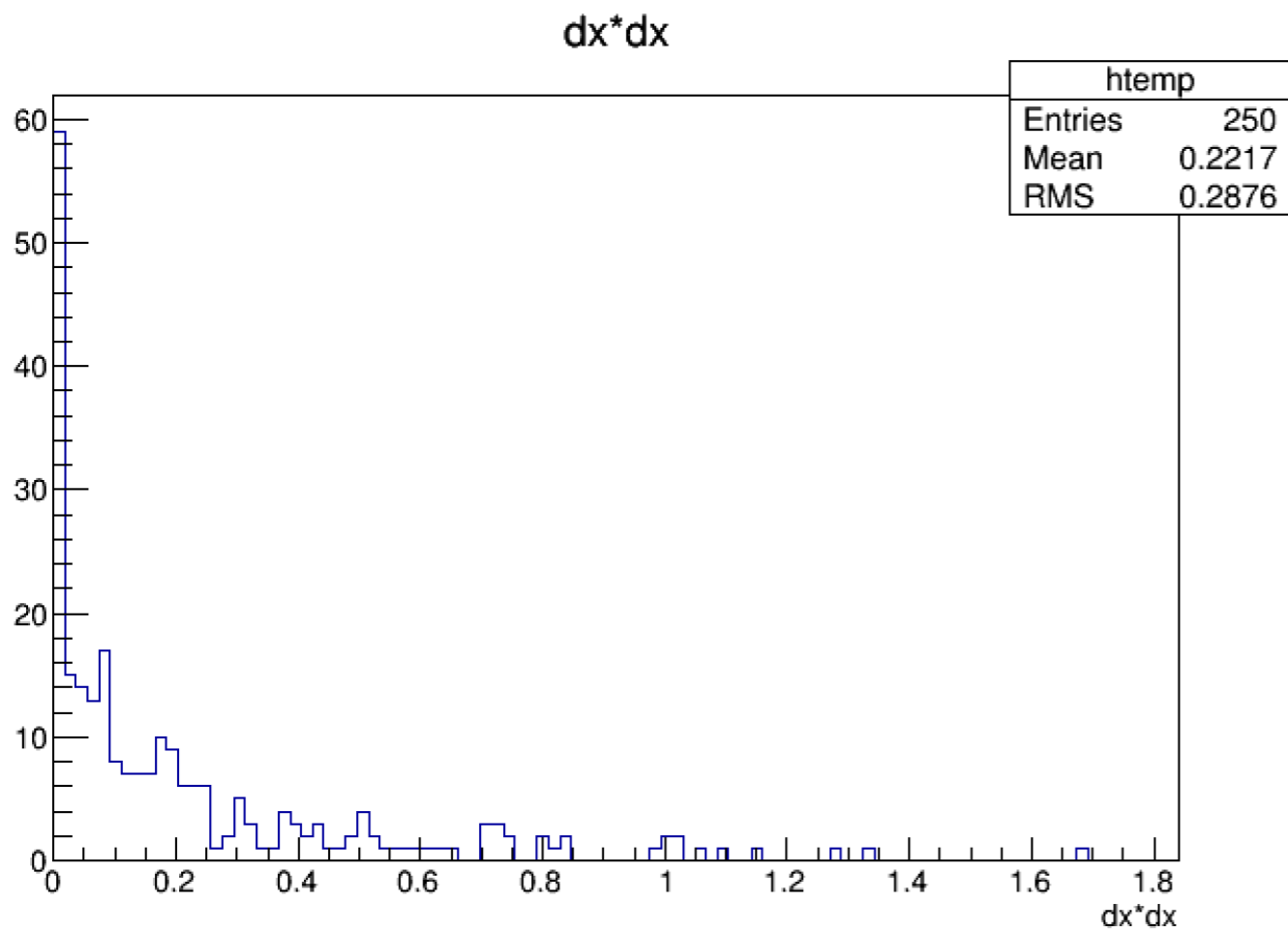
mass fit



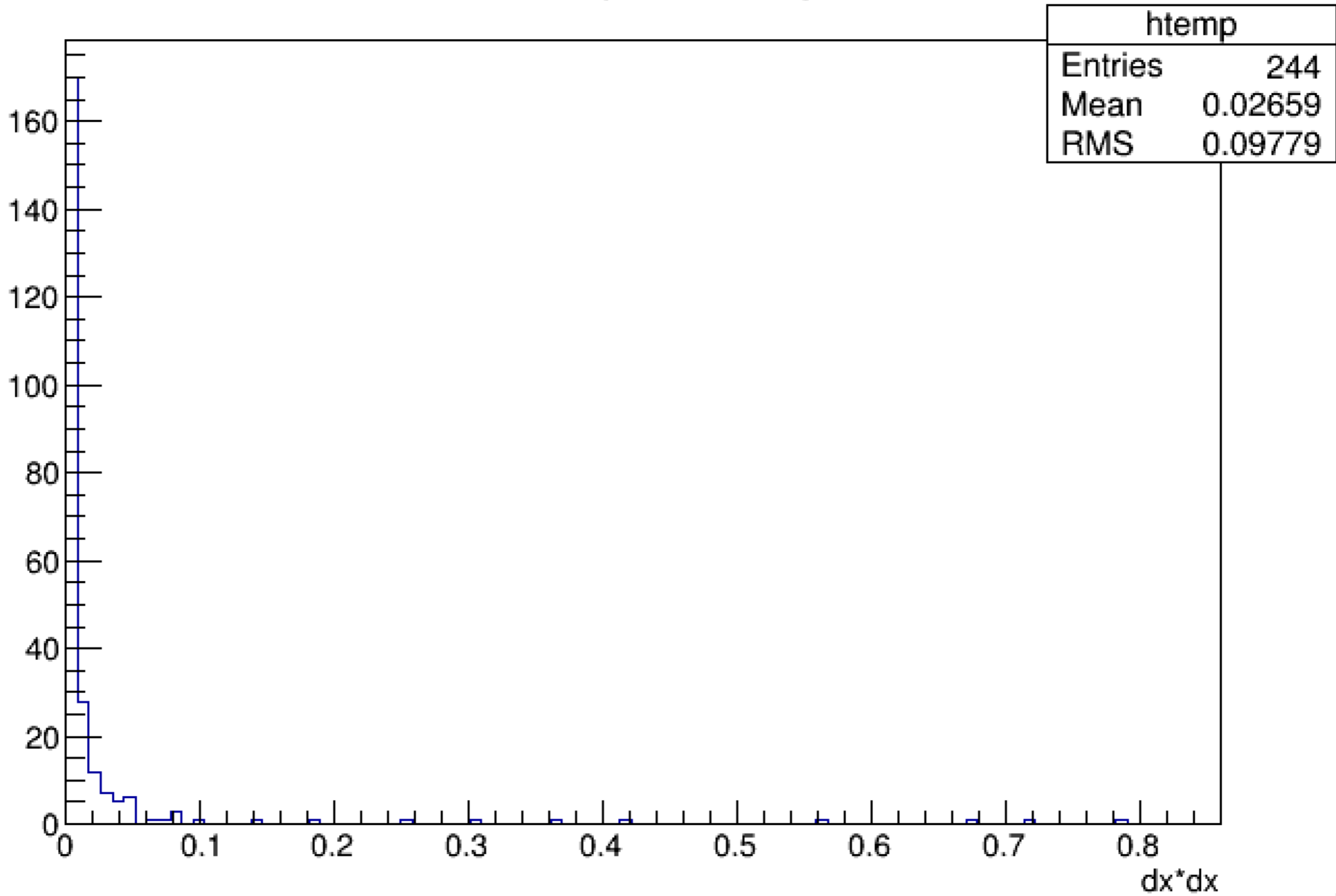
p_T



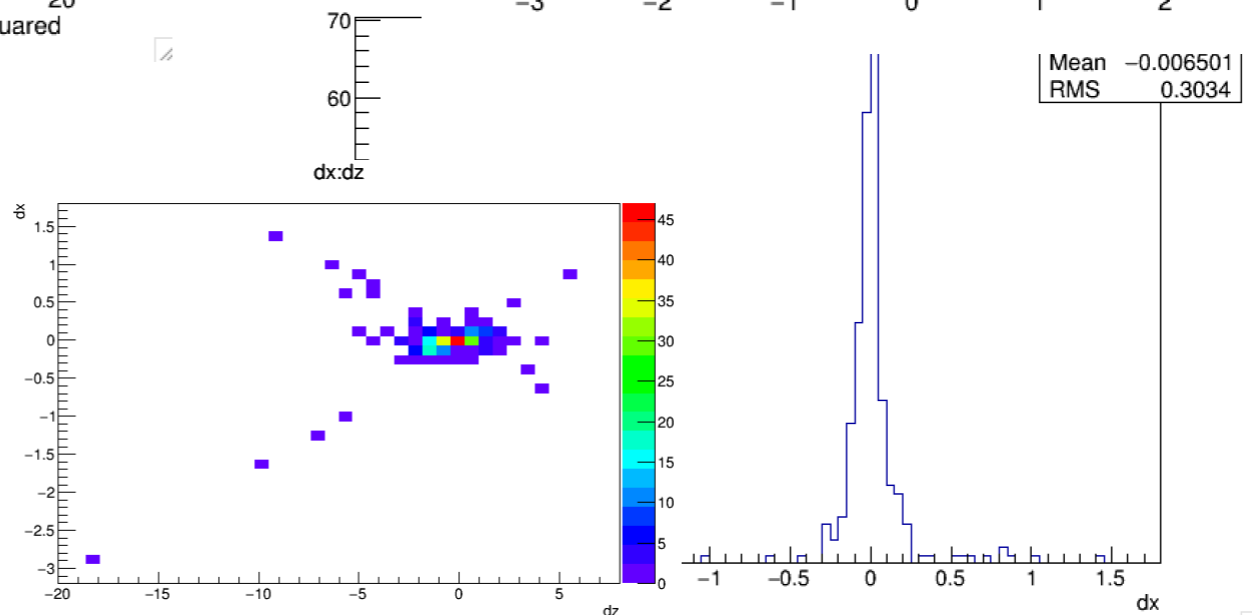
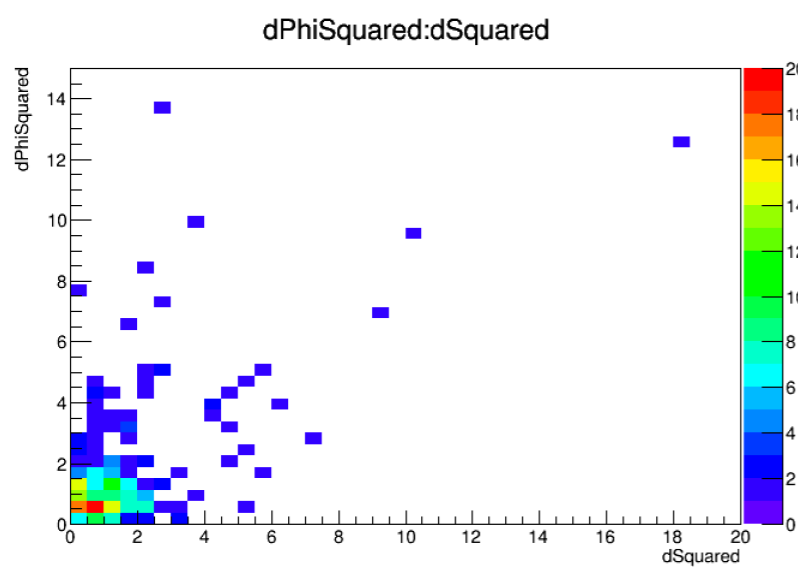
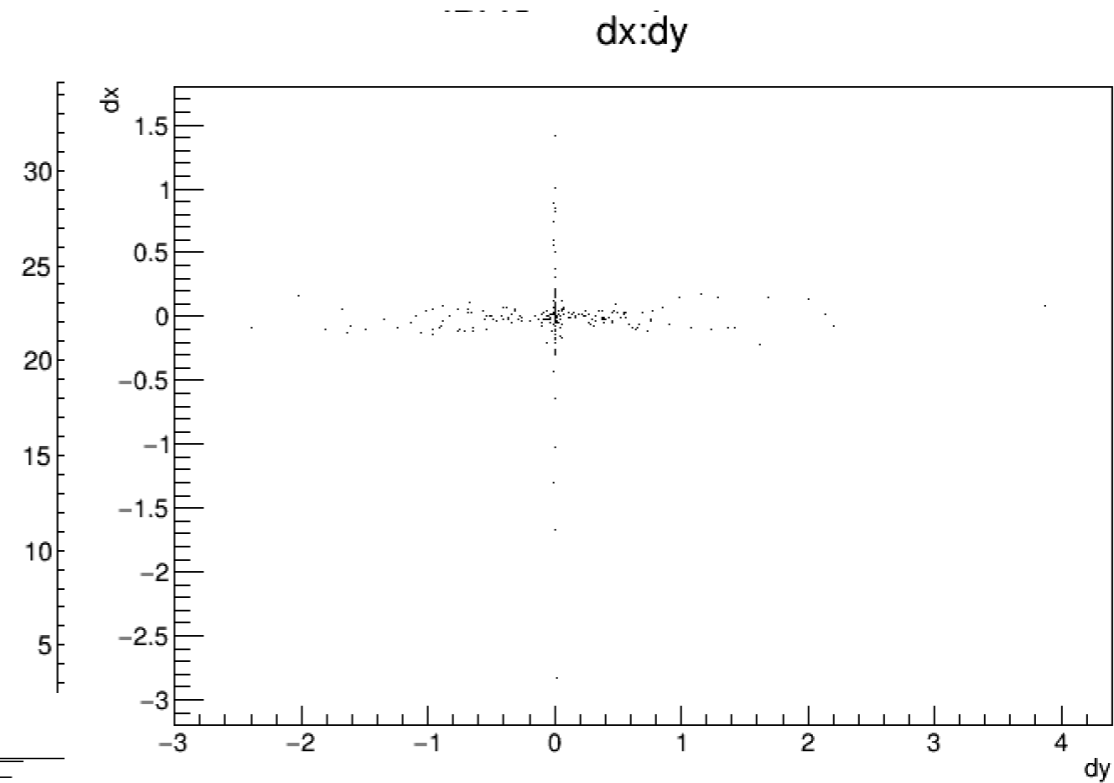
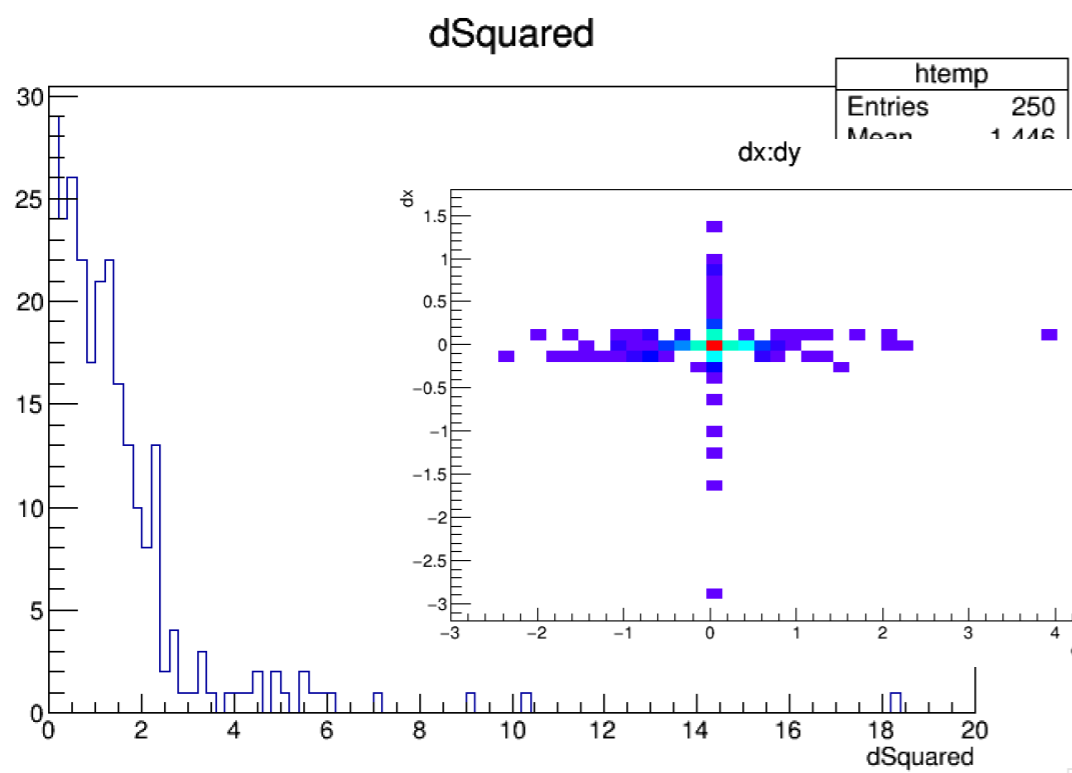
$$dx^2 > .2$$



$dx \cdot dx \{dx \cdot dx < 1\}$



DY sample



DY sample

