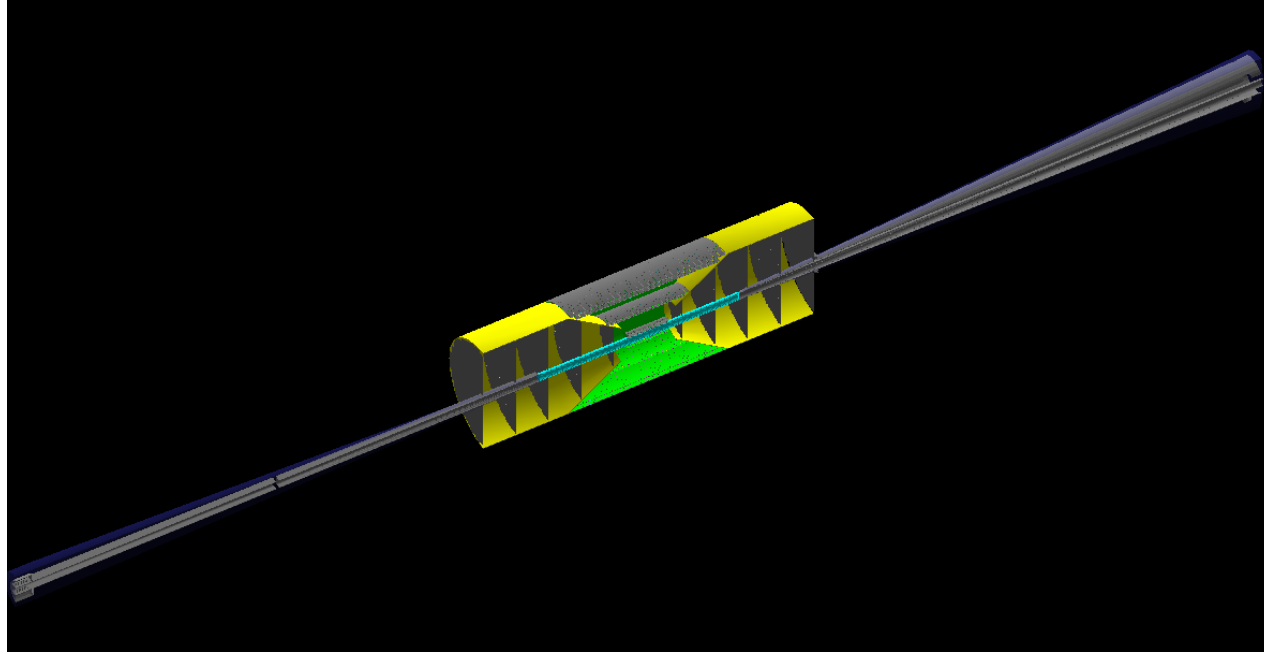


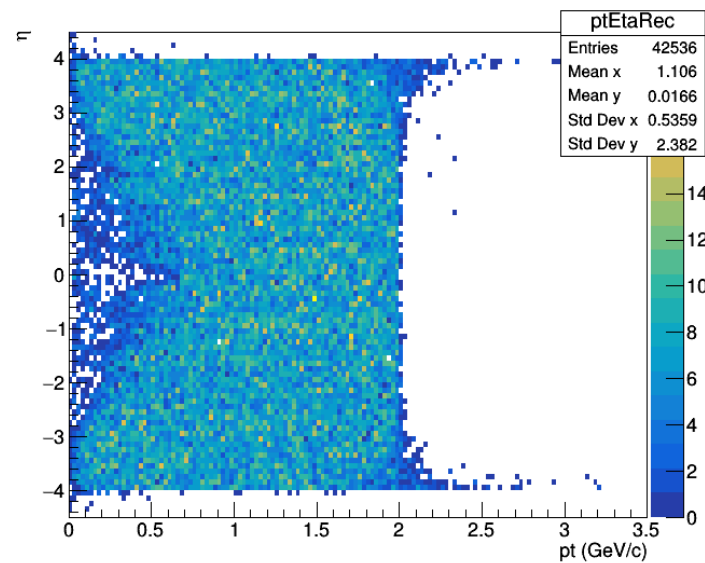
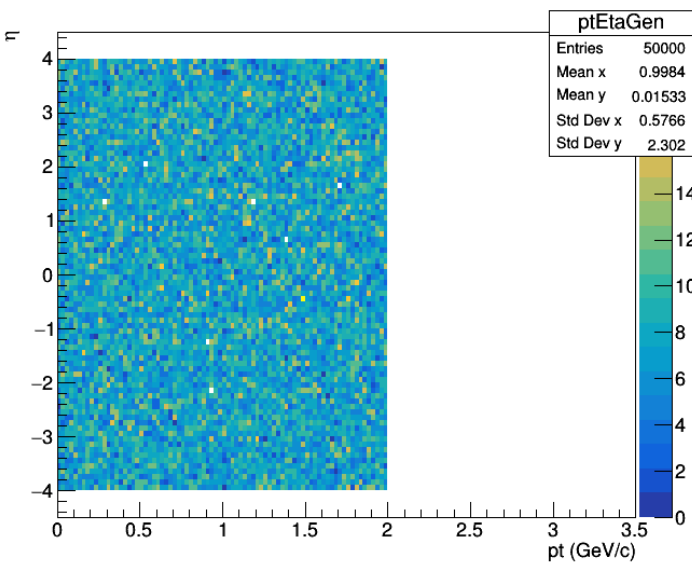
All Silicon Tracker
in fun4all
-update-

Geometry

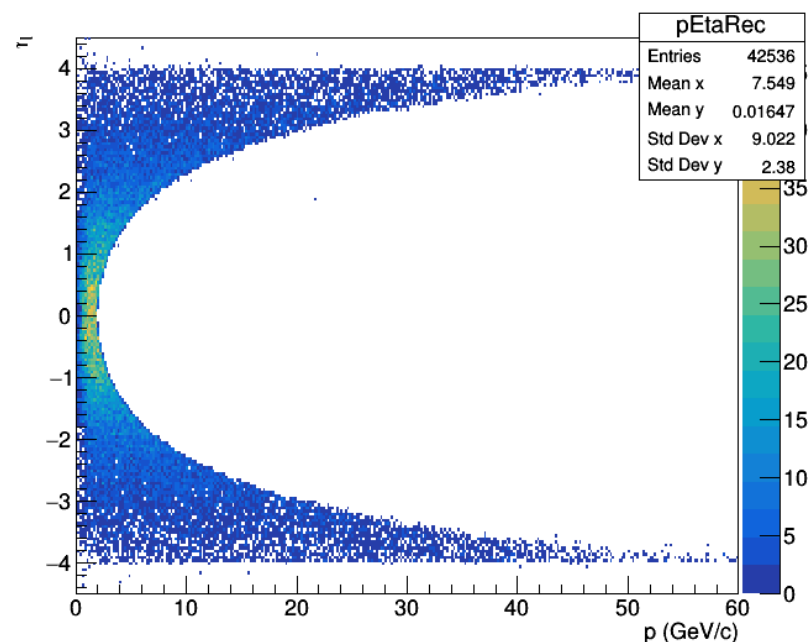
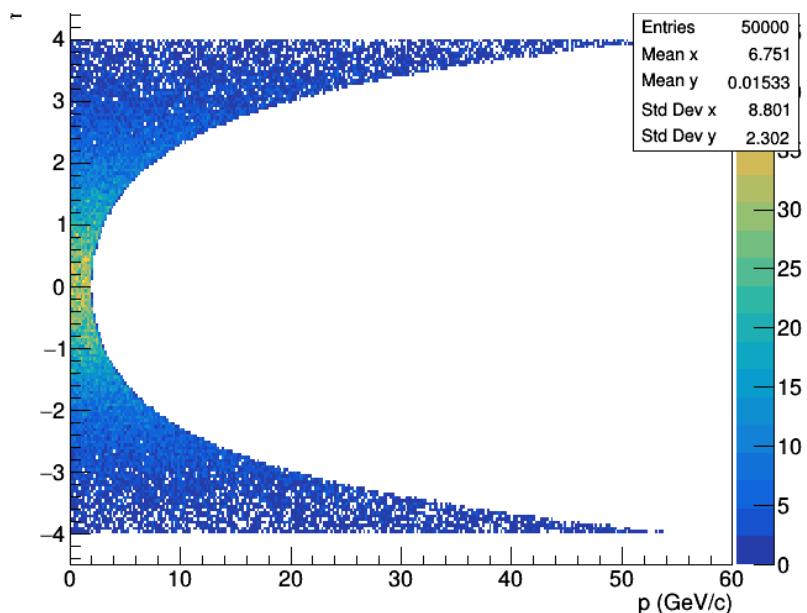


Ver 1 : old version of the beampipe (way too small in radius, without crossing angle, ...) and it also included an aluminum support structure to simulate the effects from support and services. We exported the entire geometry (barrel, disks, support, beampipe) into a TGeo file which was then loaded into Fun4All

Tracks Detector Version 1



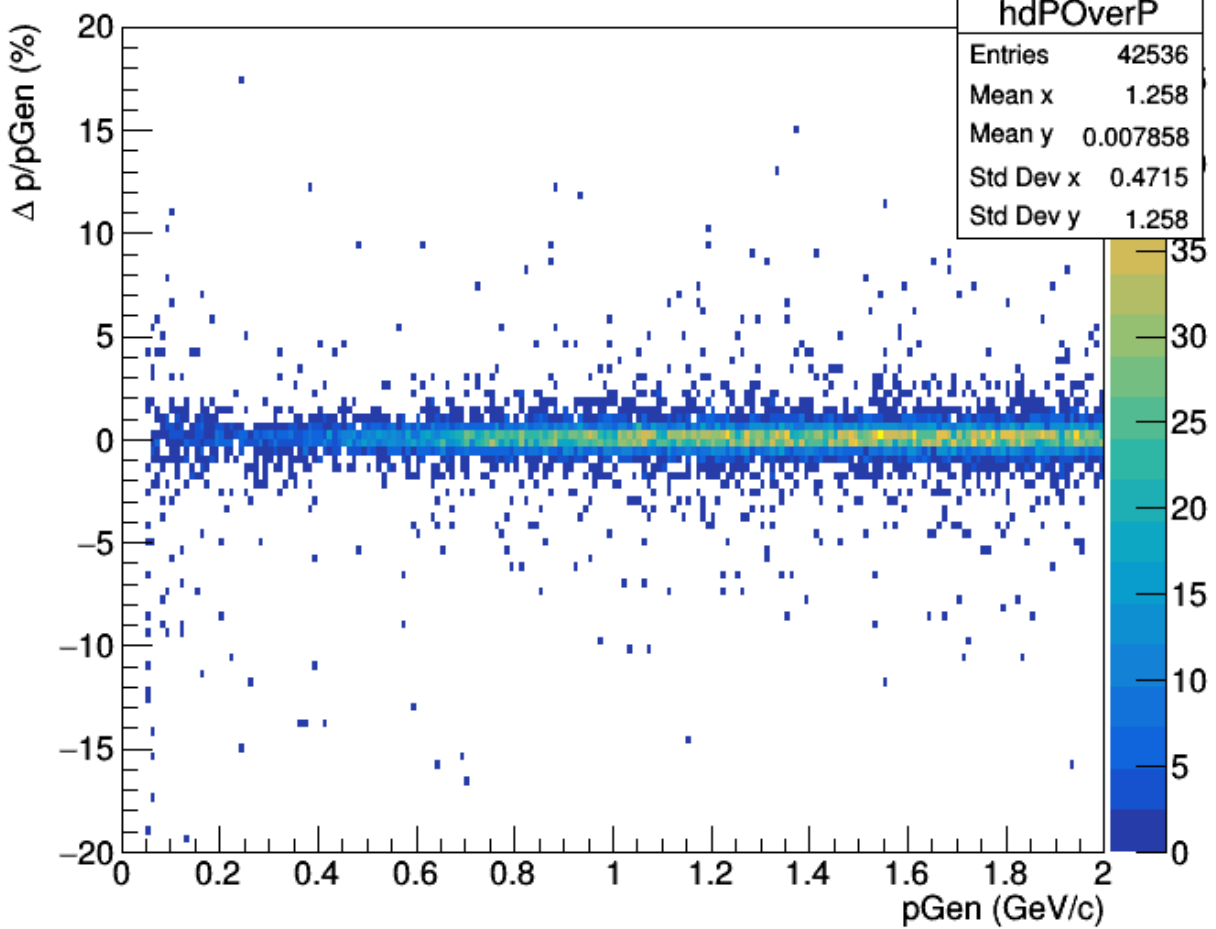
π^- box : flat pt [0-2]
flat η ($|\eta| < 4$)



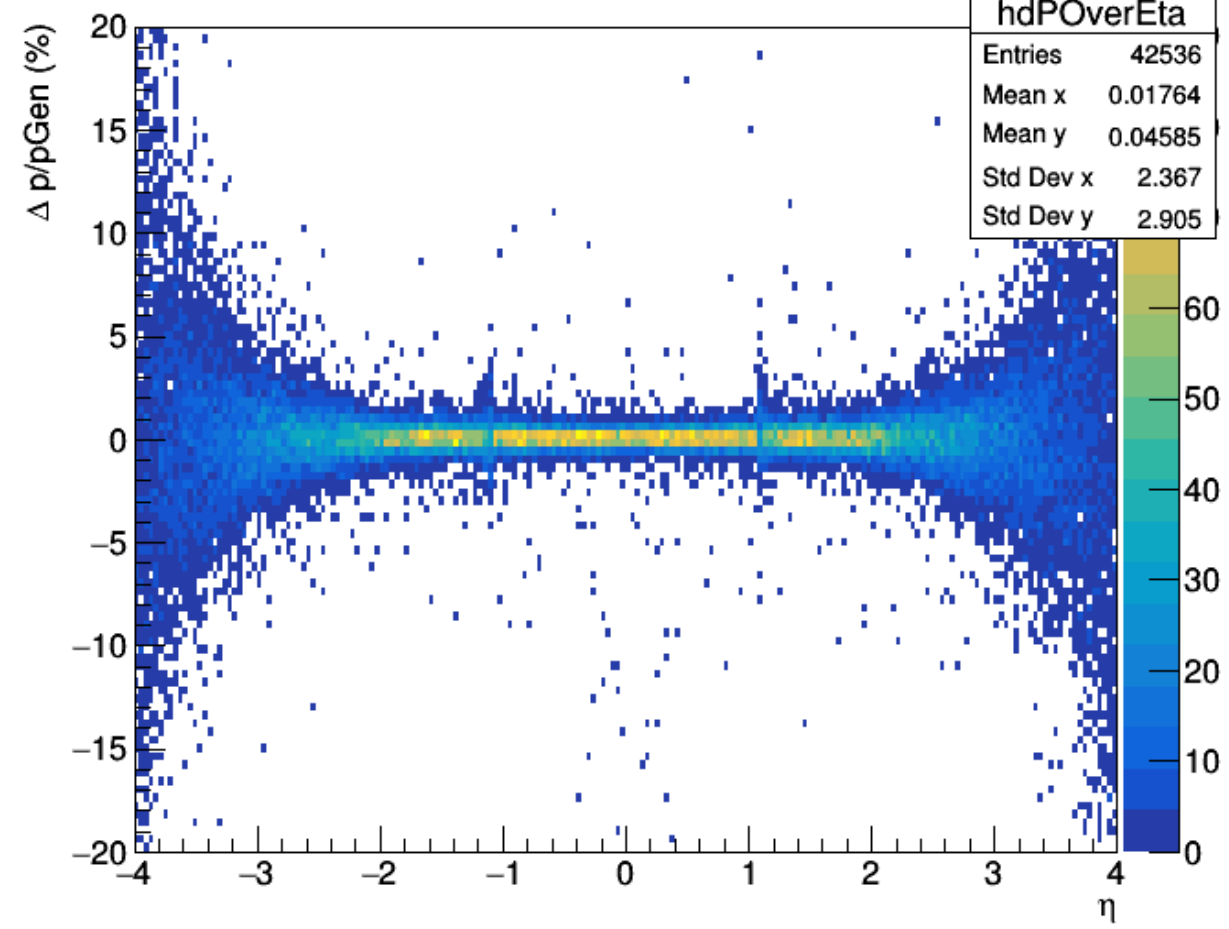
Tracks Detector Version 1



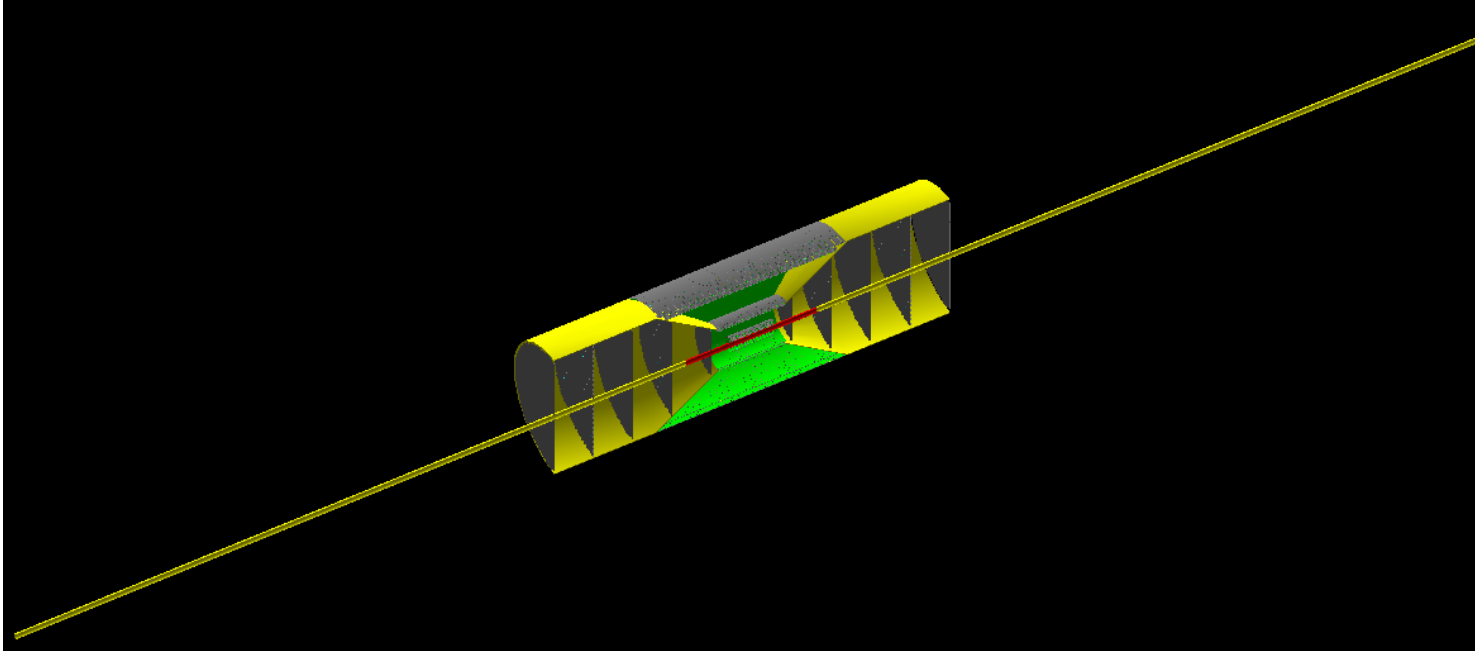
hdPOverP



hdPOverEta



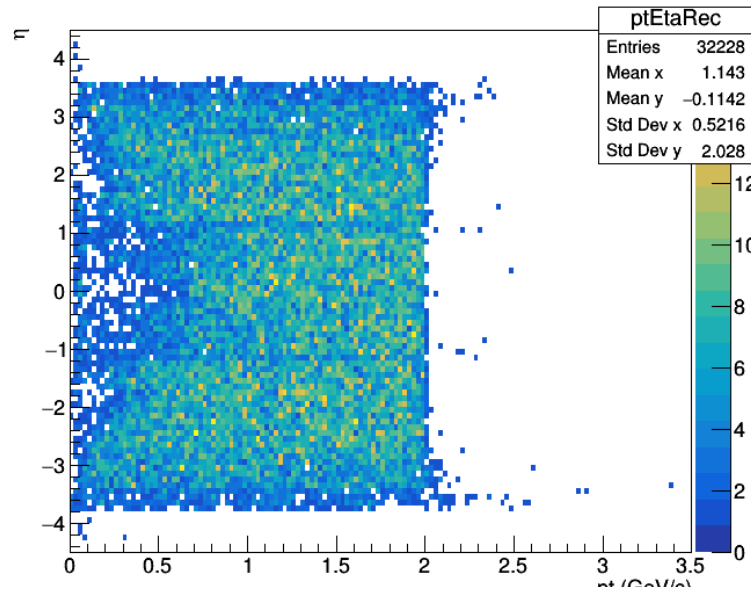
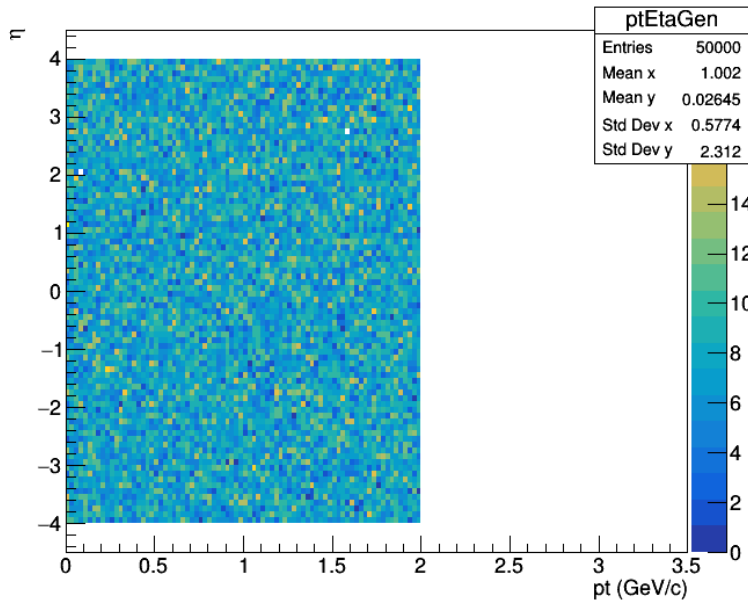
Geometry



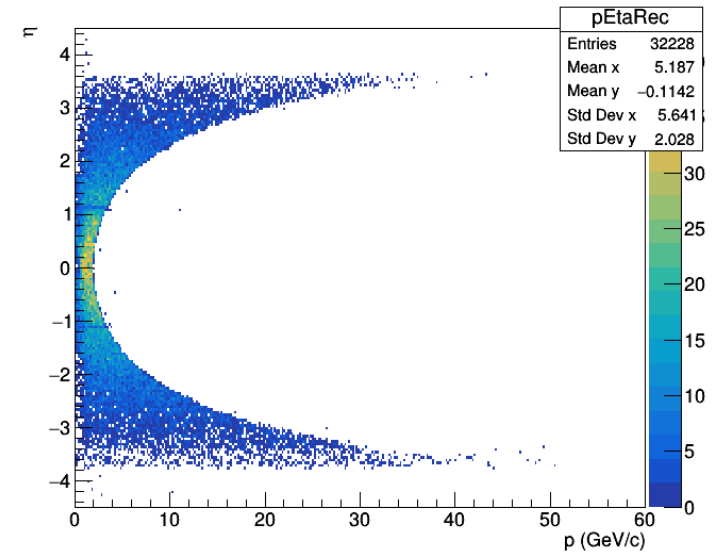
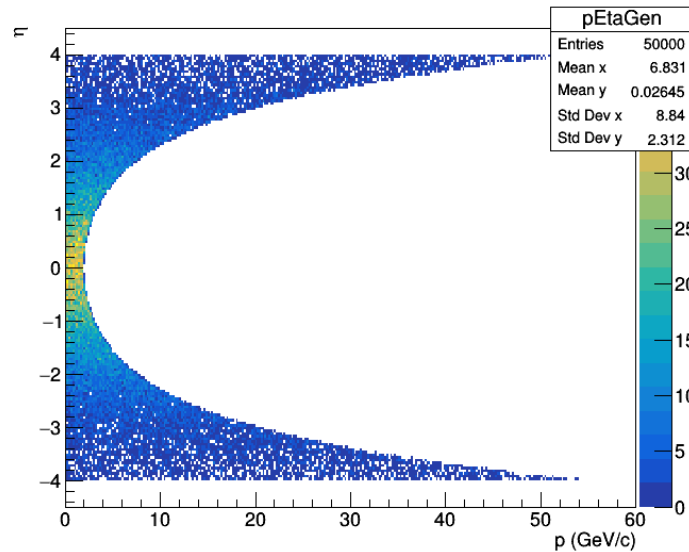
DetVer = 2 (Default & YR)

Ver 2 : beampipe that Håkan referenced, the disk apertures and inner barrel radii larger to fit the beampipe. Older projection for the material budget which corresponds to staves of average $X = 0.3\% X_0$ (the hybrid uses 0.05 for vertexing, 0.55 for barrel, and 0.24 for disks, which is a more recent projection from Leo Greiner) [-→moved to studies with the new material budget since the YR]

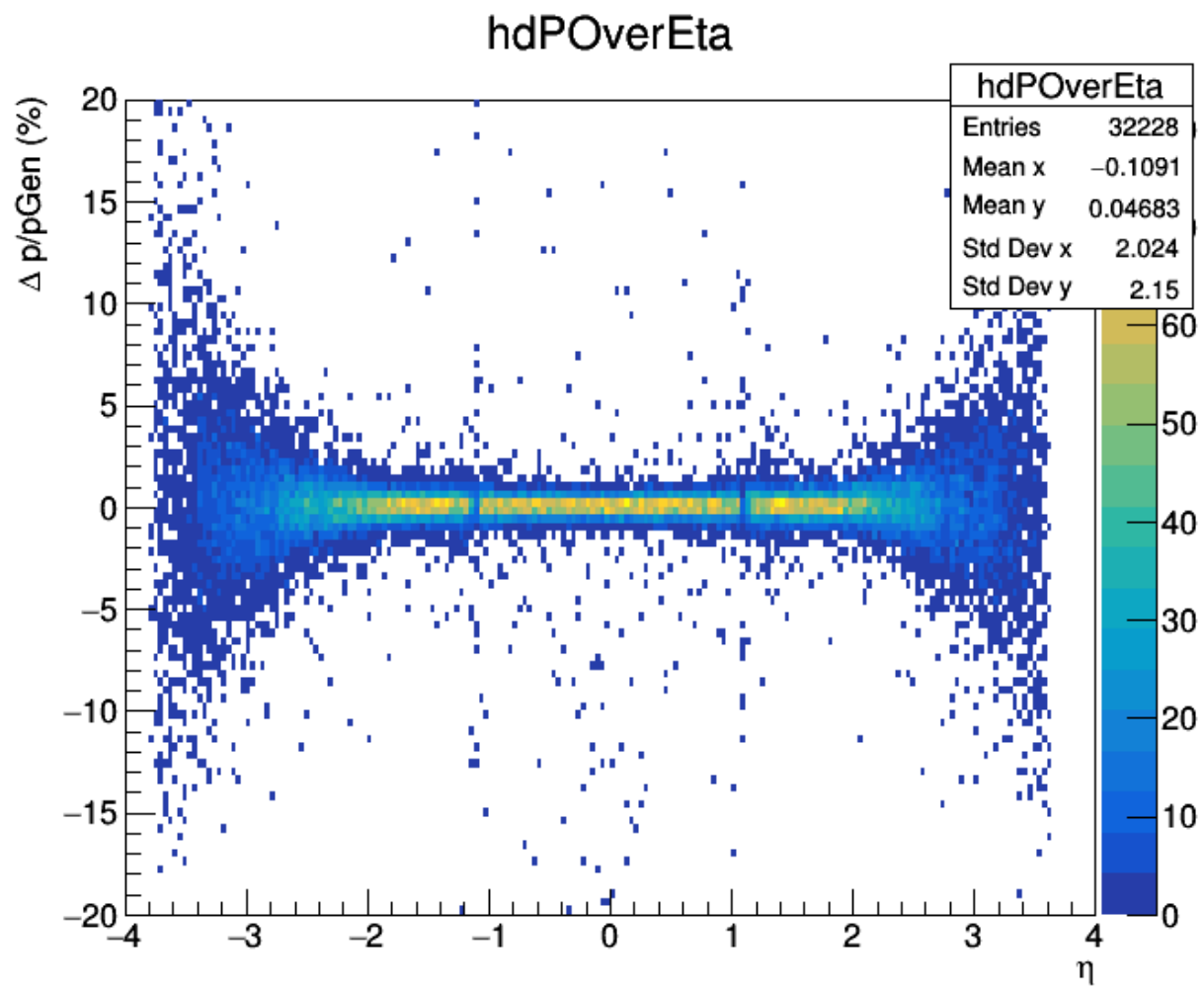
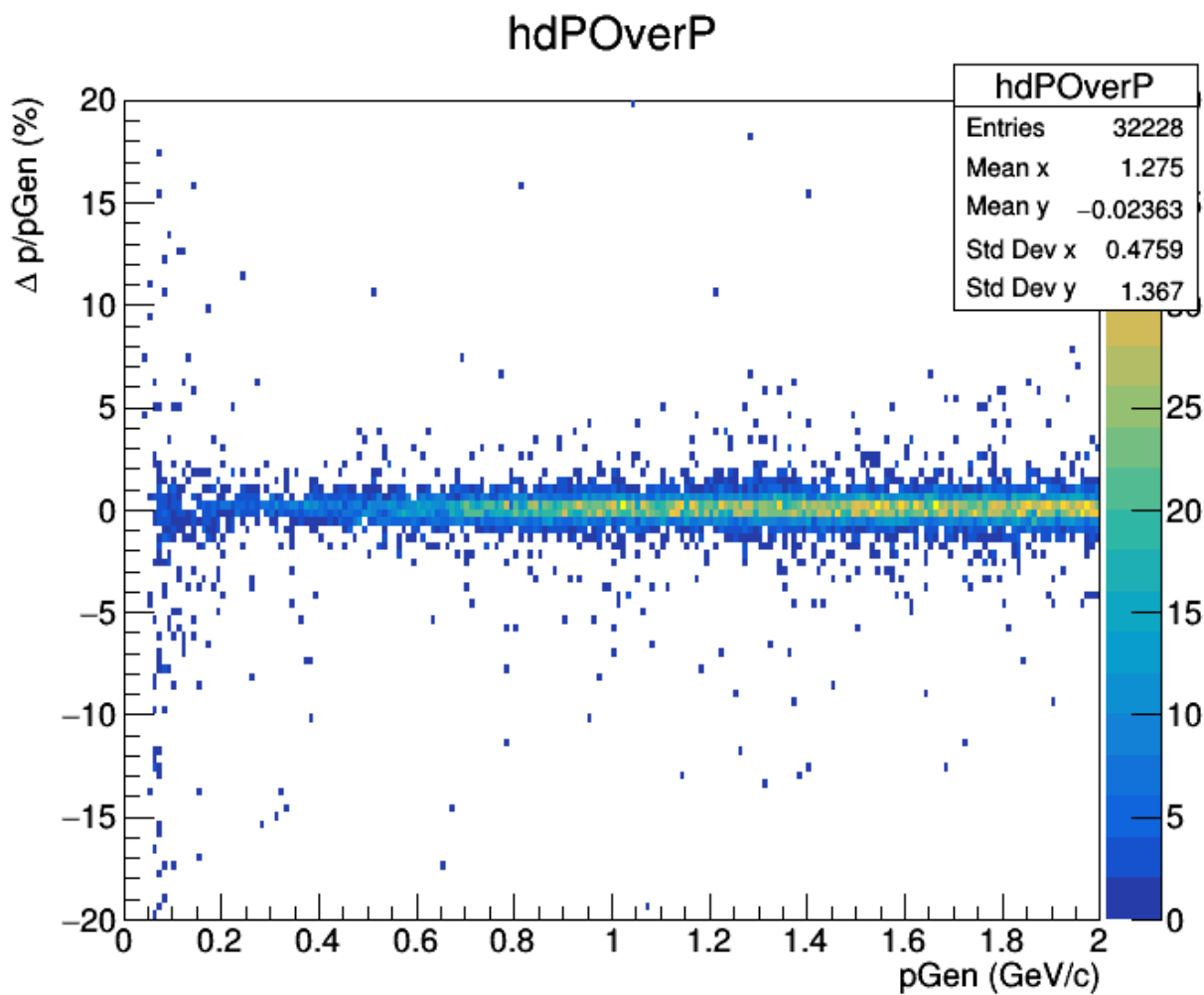
Tracks Detector Version 2



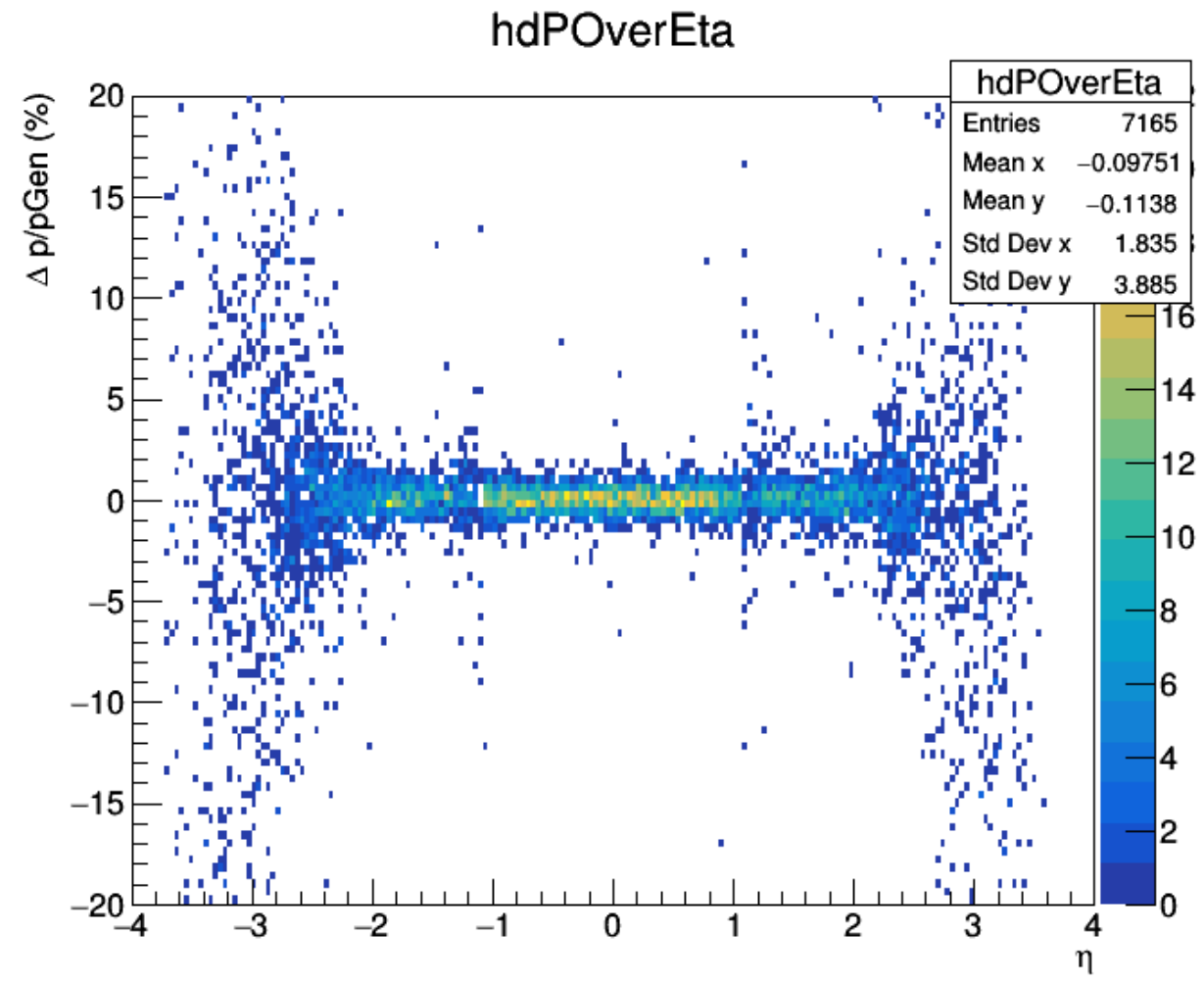
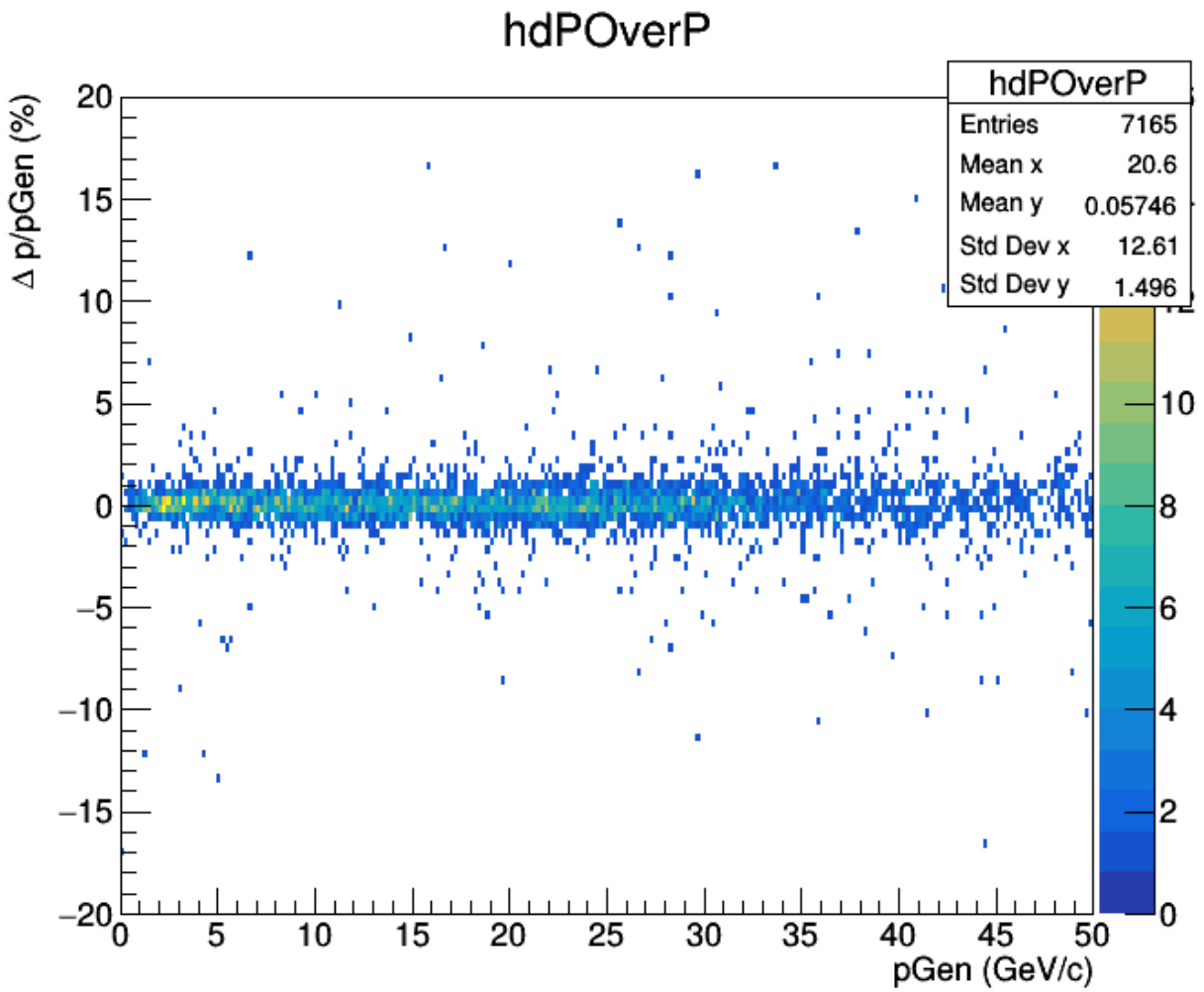
π - box : flat pt [0-2]
flat η ($|\eta| < 4$)



Tracks : Detector Version 2



Tracks : Detector Version 2



Previous simulation (box with flat p_T 0-30 GeV/c)