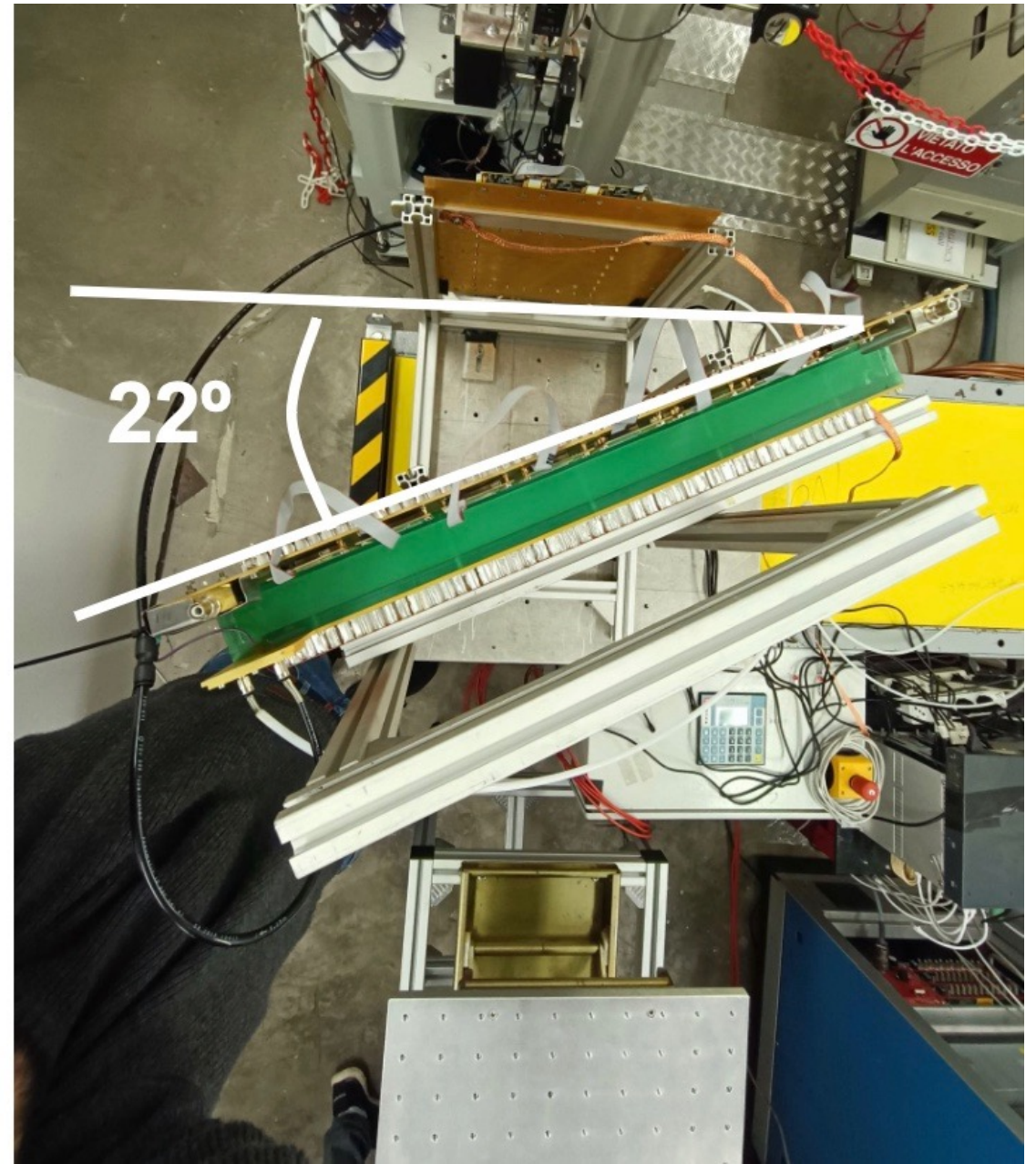
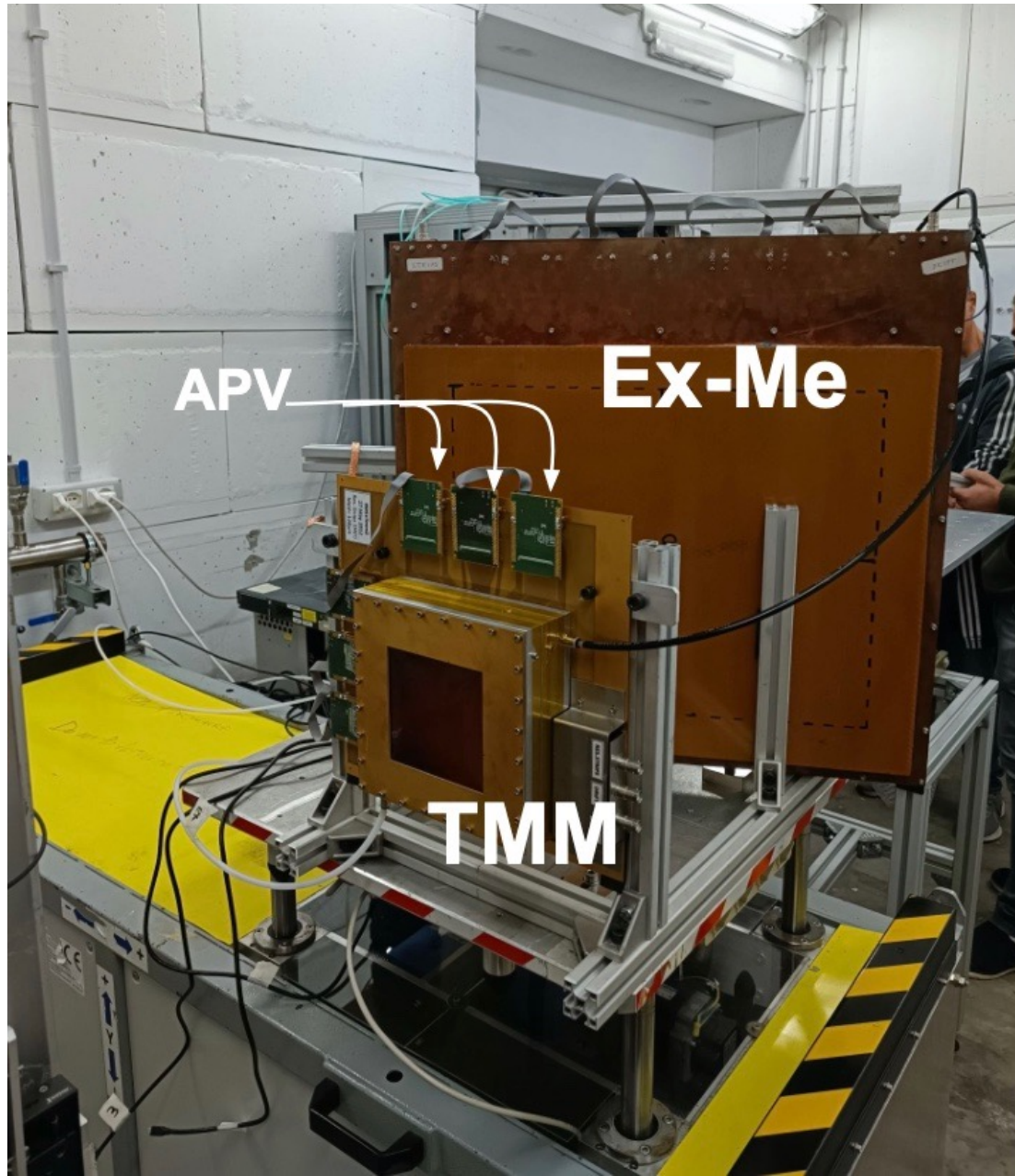
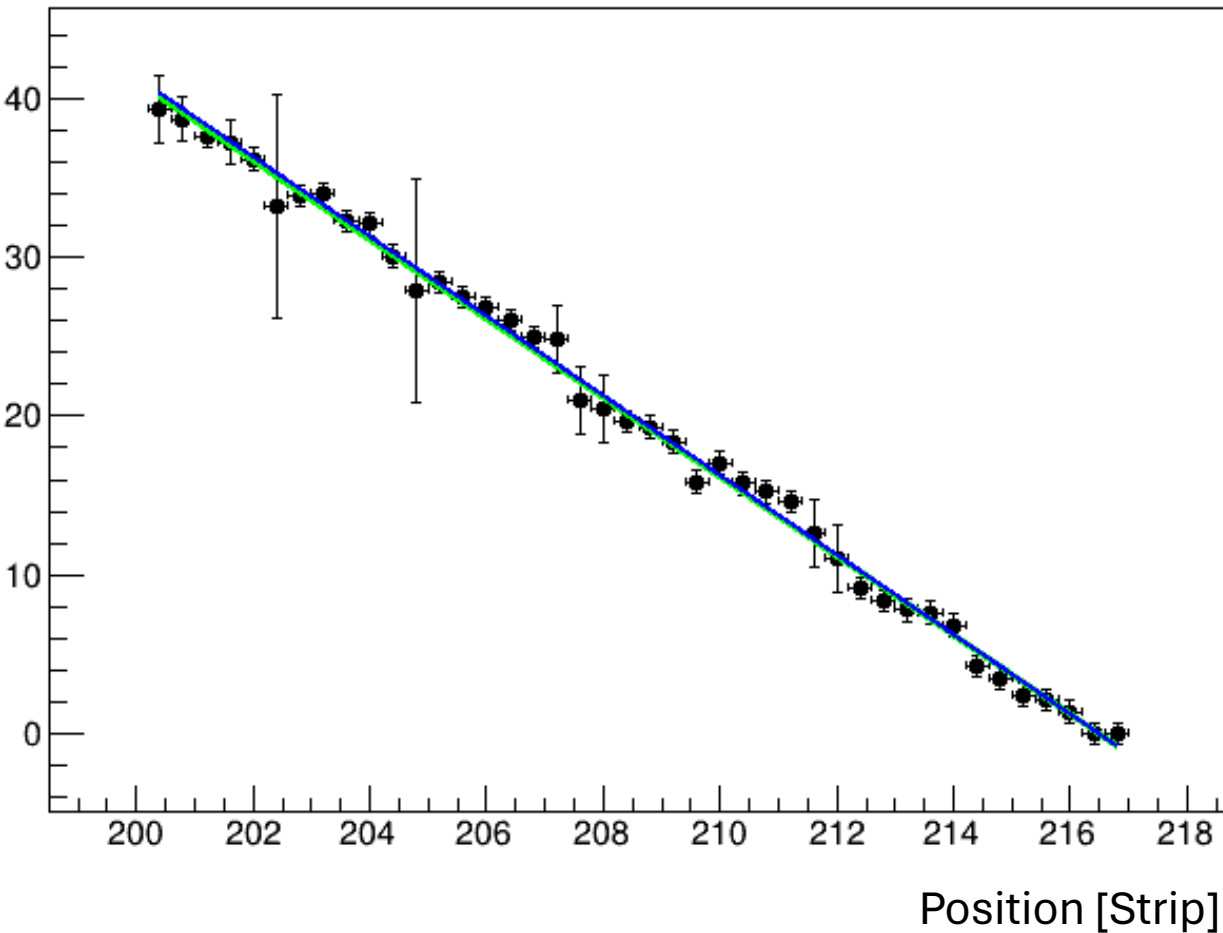


Clustering and uTPC drift gap improvement

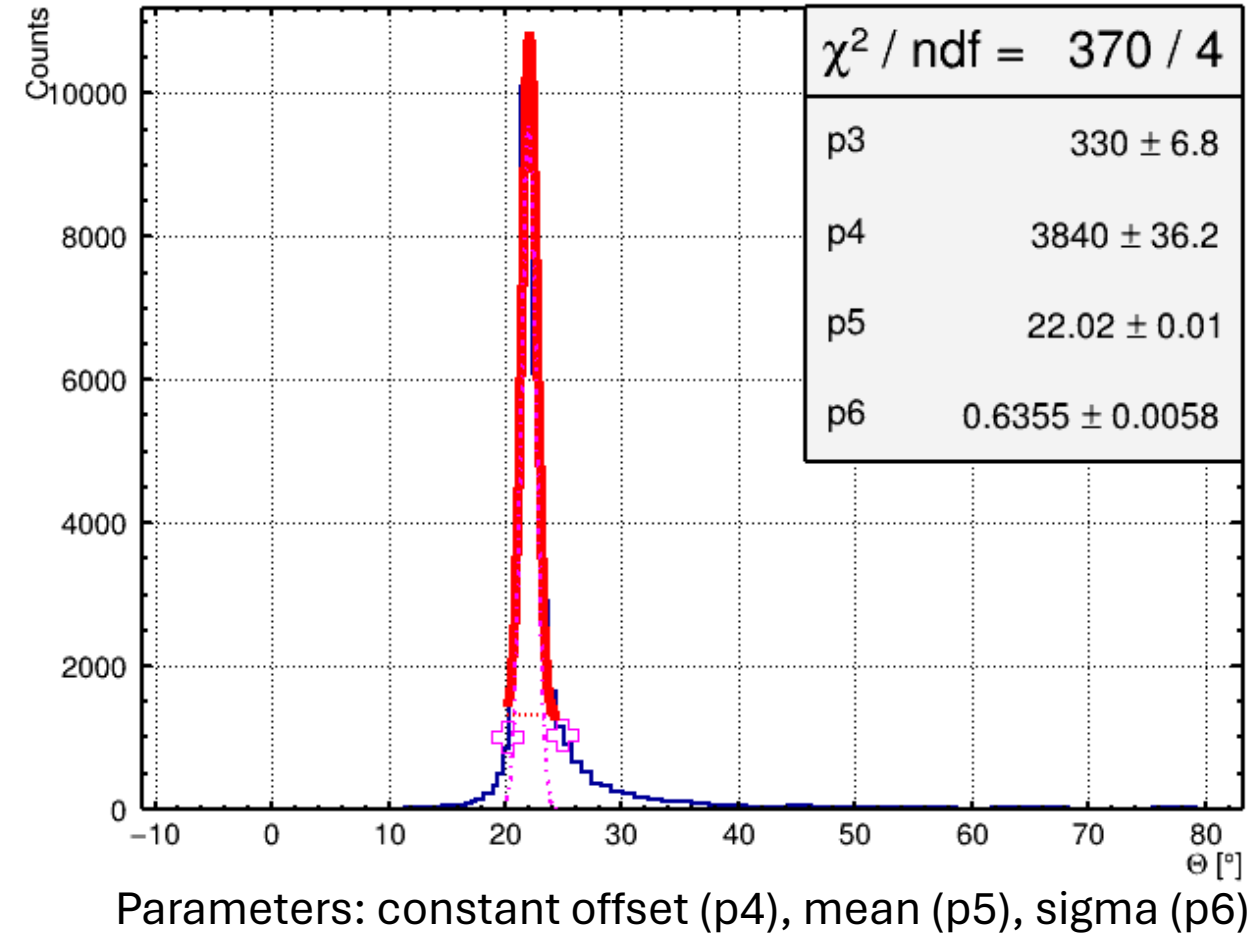


First uTPC results for clustering with every strip hit

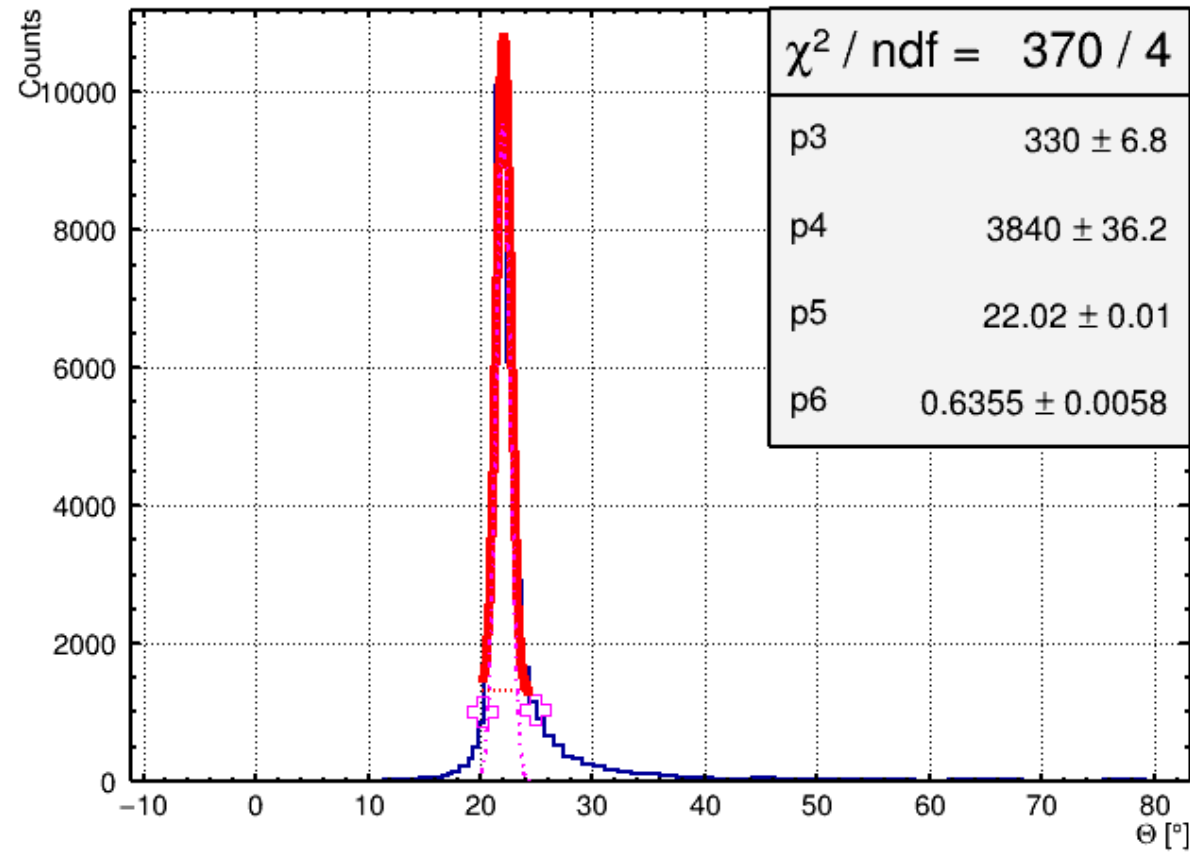
drift distance [mm]



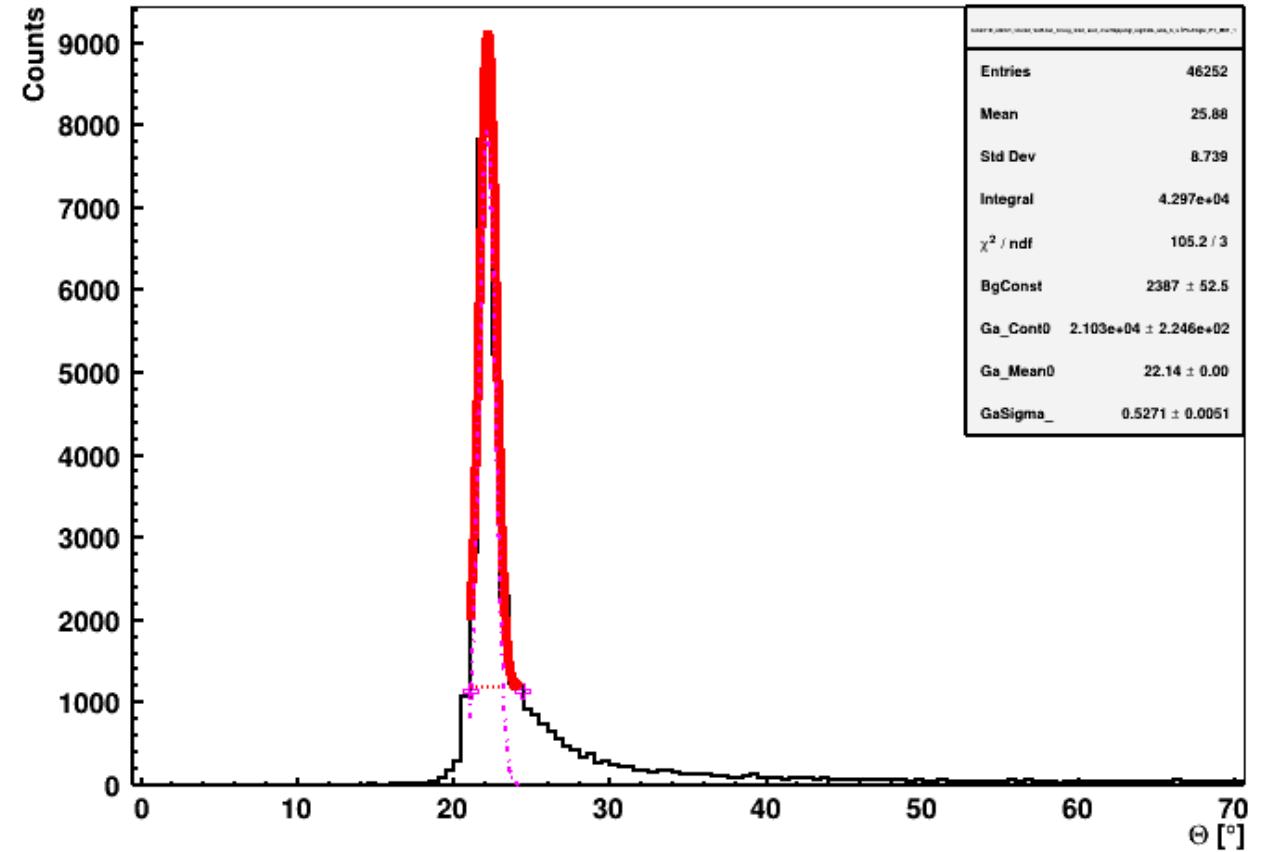
Variable binning



Check: including overlapping signals for ExMe



Cutting out overlapping signals (~10%)

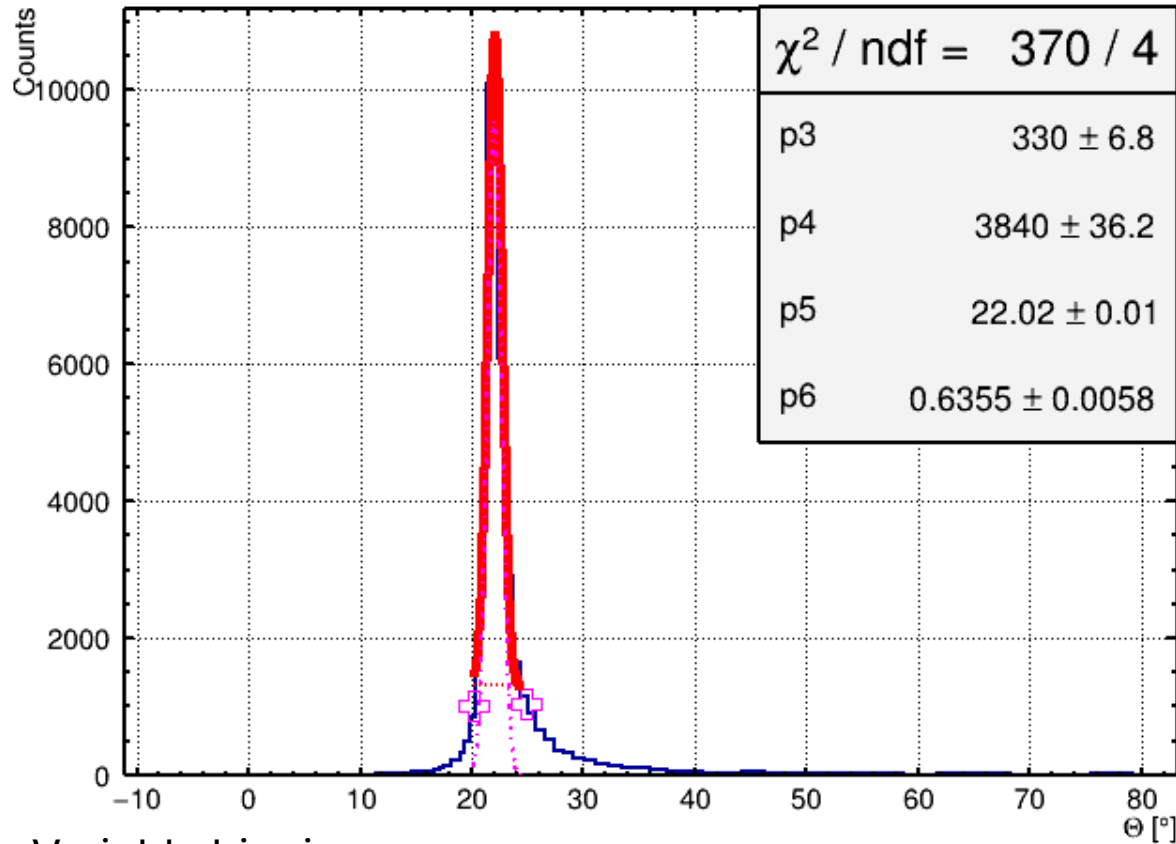


Including overlapping signals

=> Angle reconstruction worse, drift distance still ~40 mm

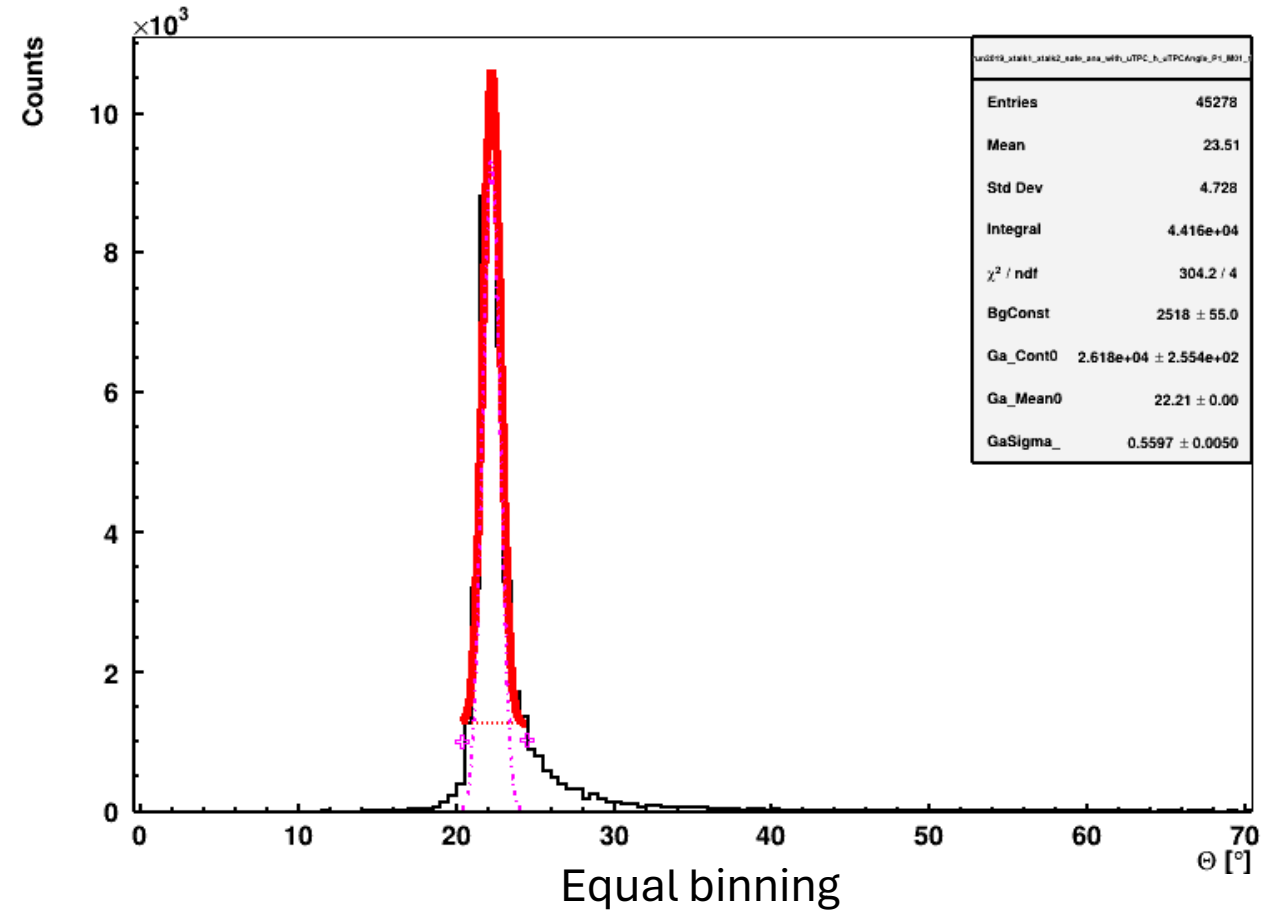
uTPC results with new clustering for ExMe

Every strip hit is a cluster



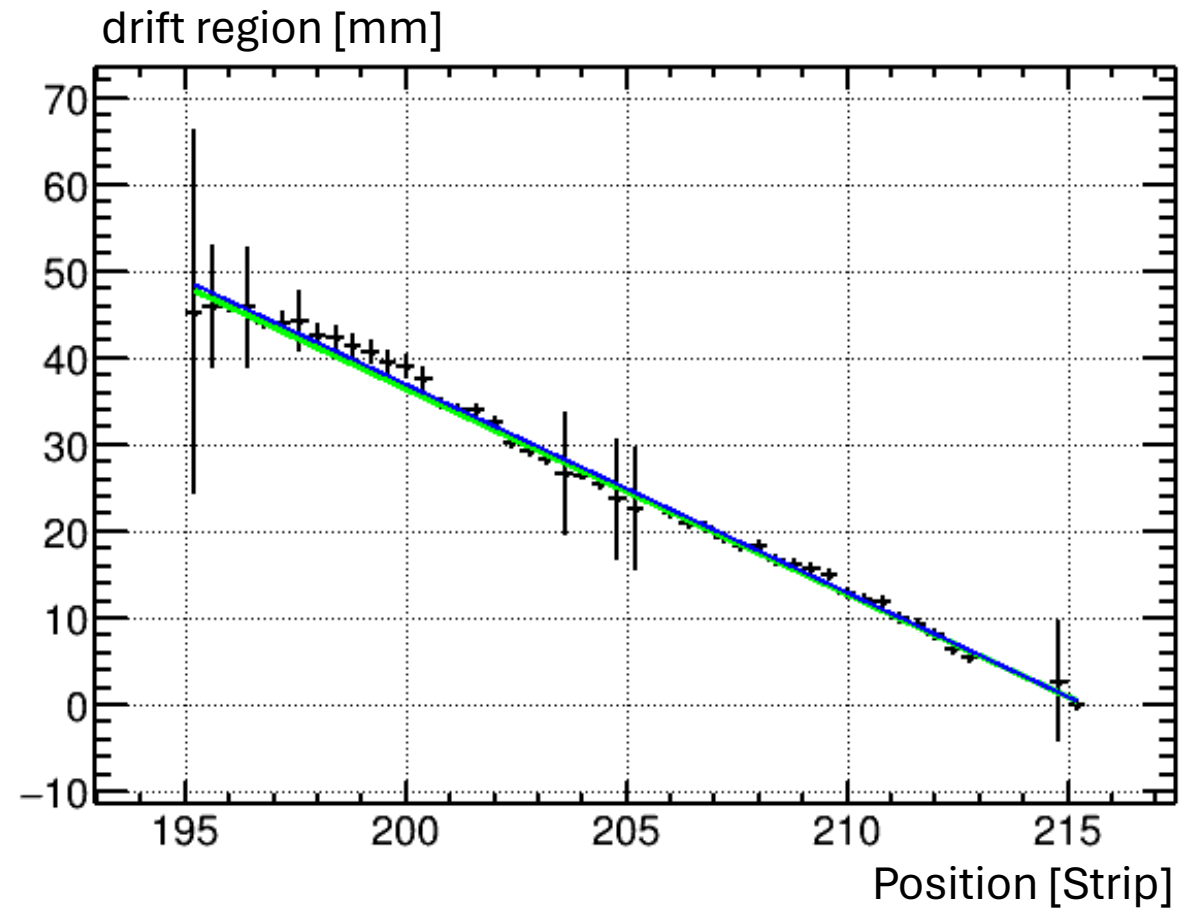
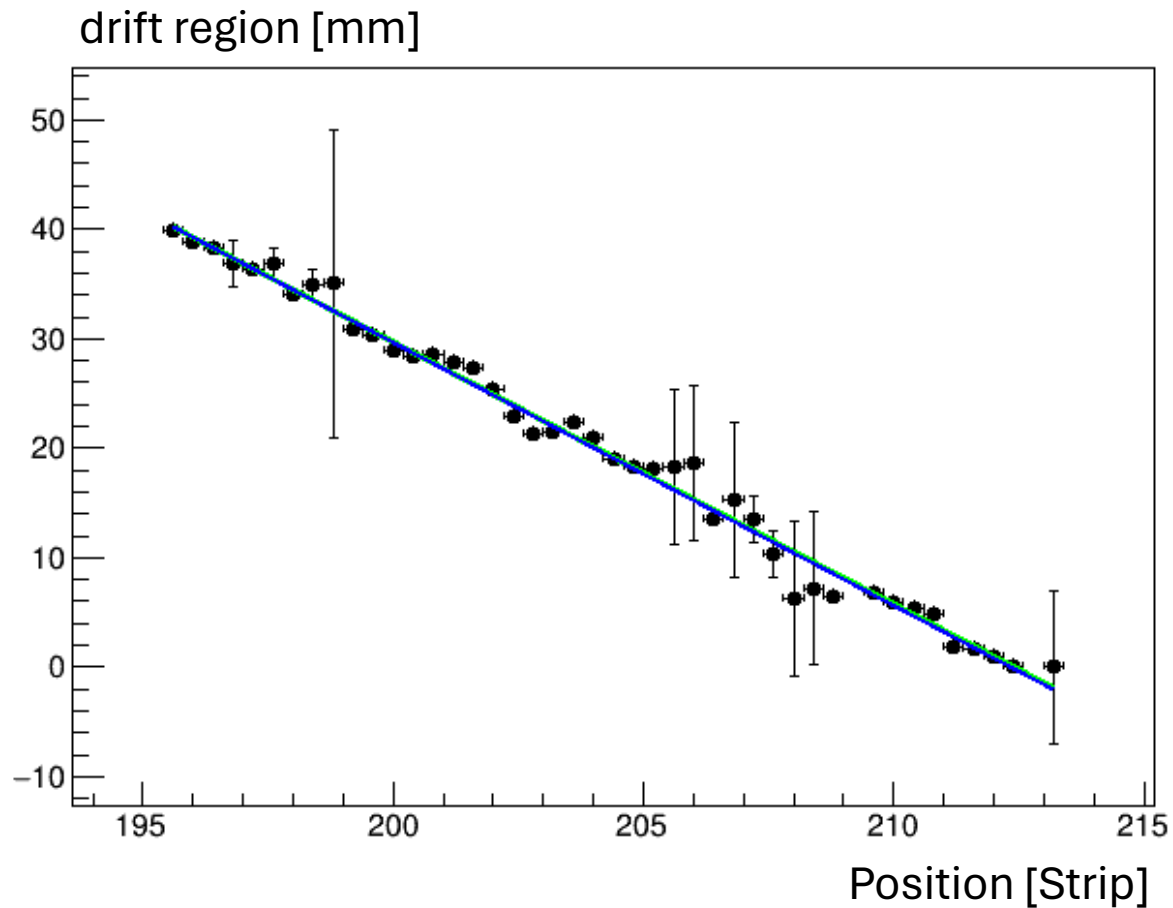
Variable binning;
parameters: constant offset (p4), mean (p5), sigma (p6)

Hit strips within: (mean position ± 30) strips



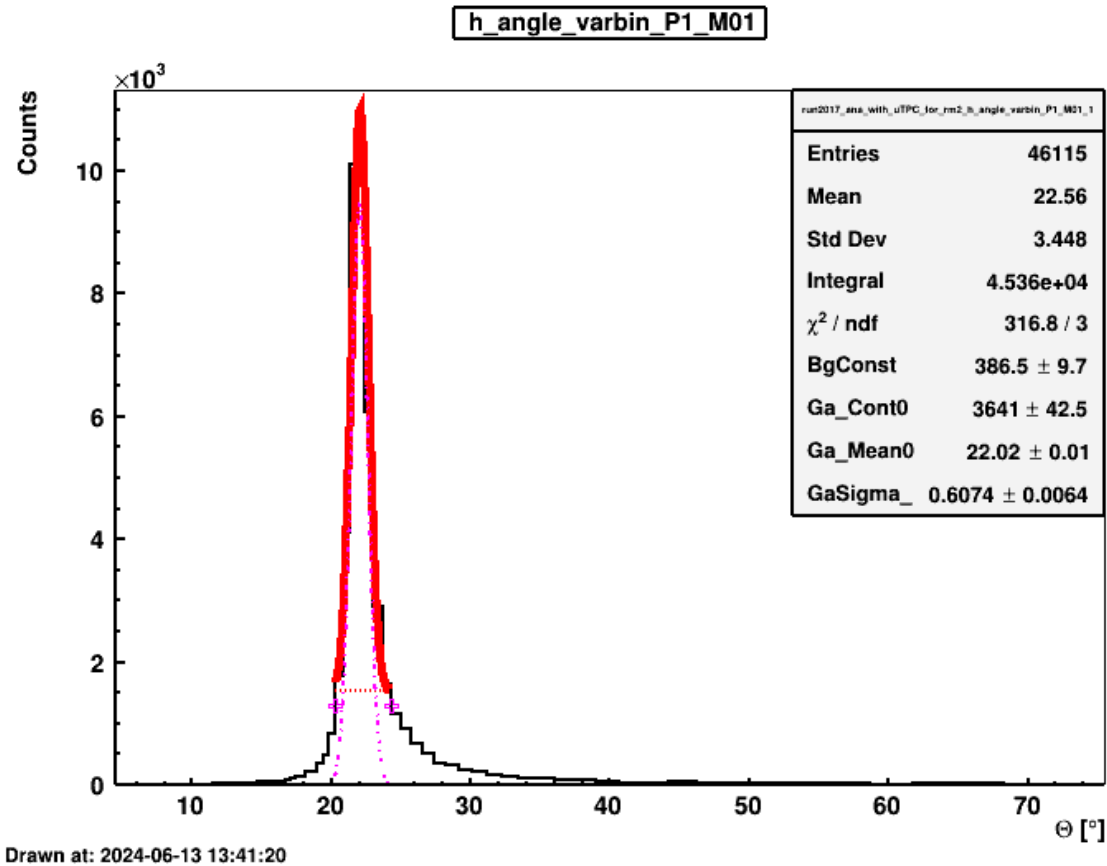
Equal binning

Drift distance with narrower clustering (ExMe)

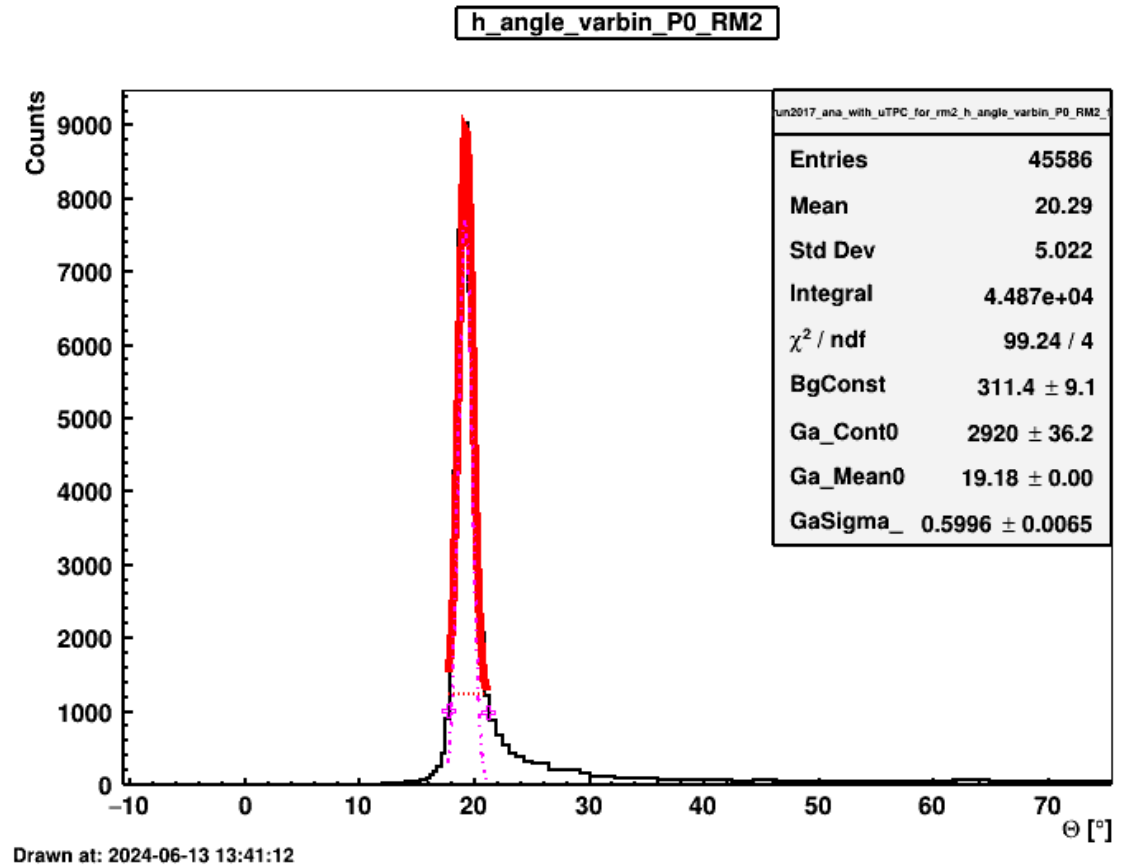


But: most of the drift distances still around 40mm

uTPC results for both detectors inclined



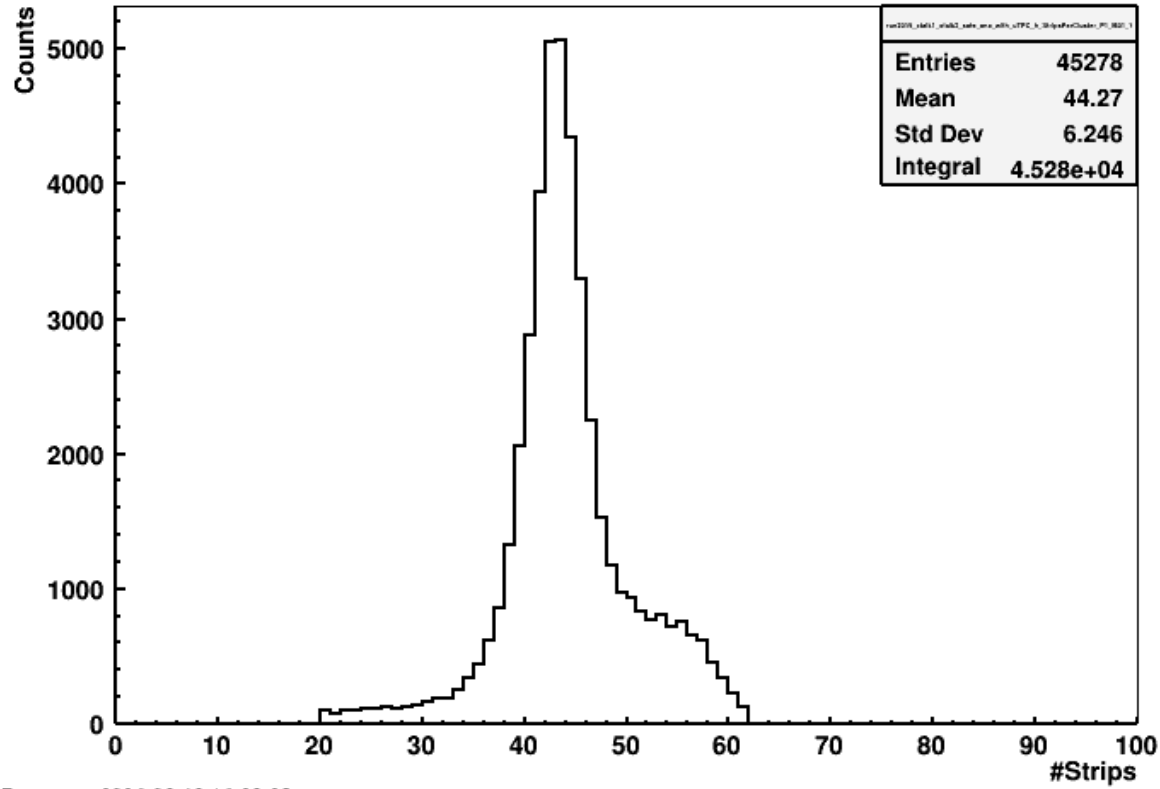
ExMe: Every strip hit into a cluster



TMM: former clustering

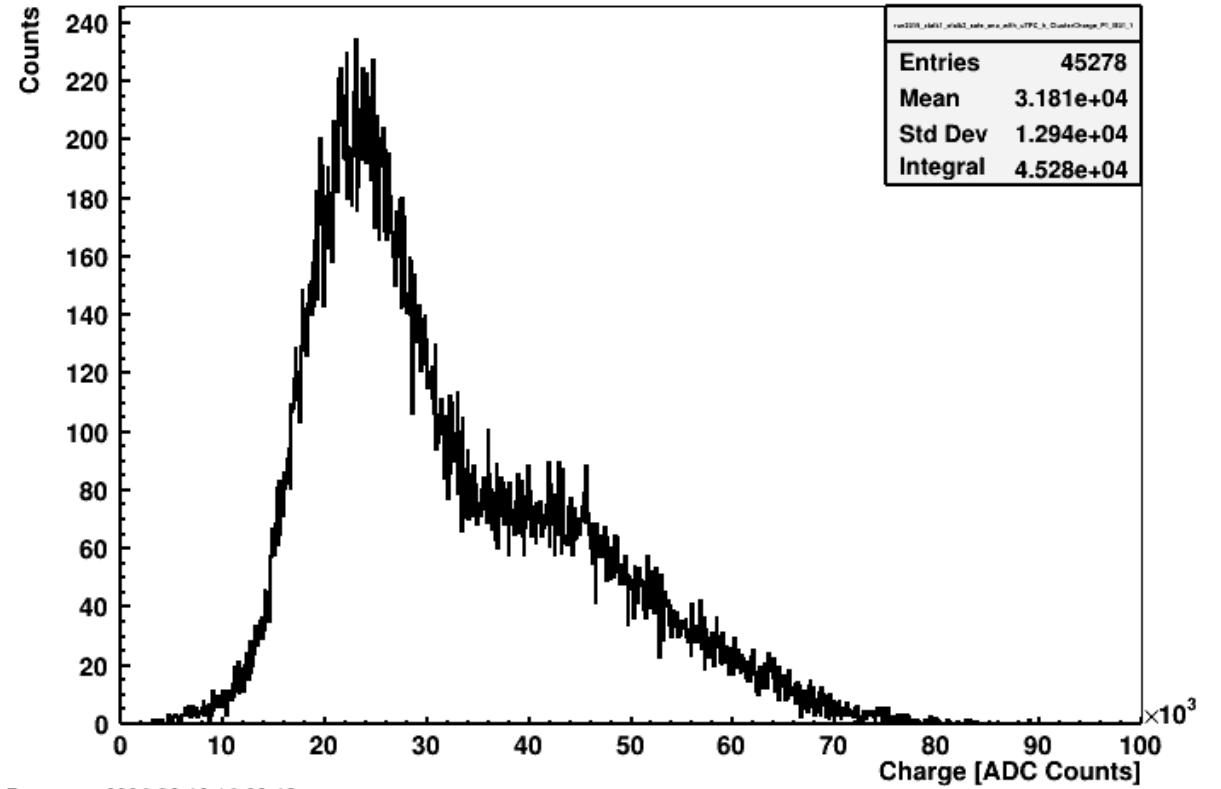
Backup for ExMe

h_StripsPerCluster_P1_M01



Drawn at: 2024-06-13 14:03:03

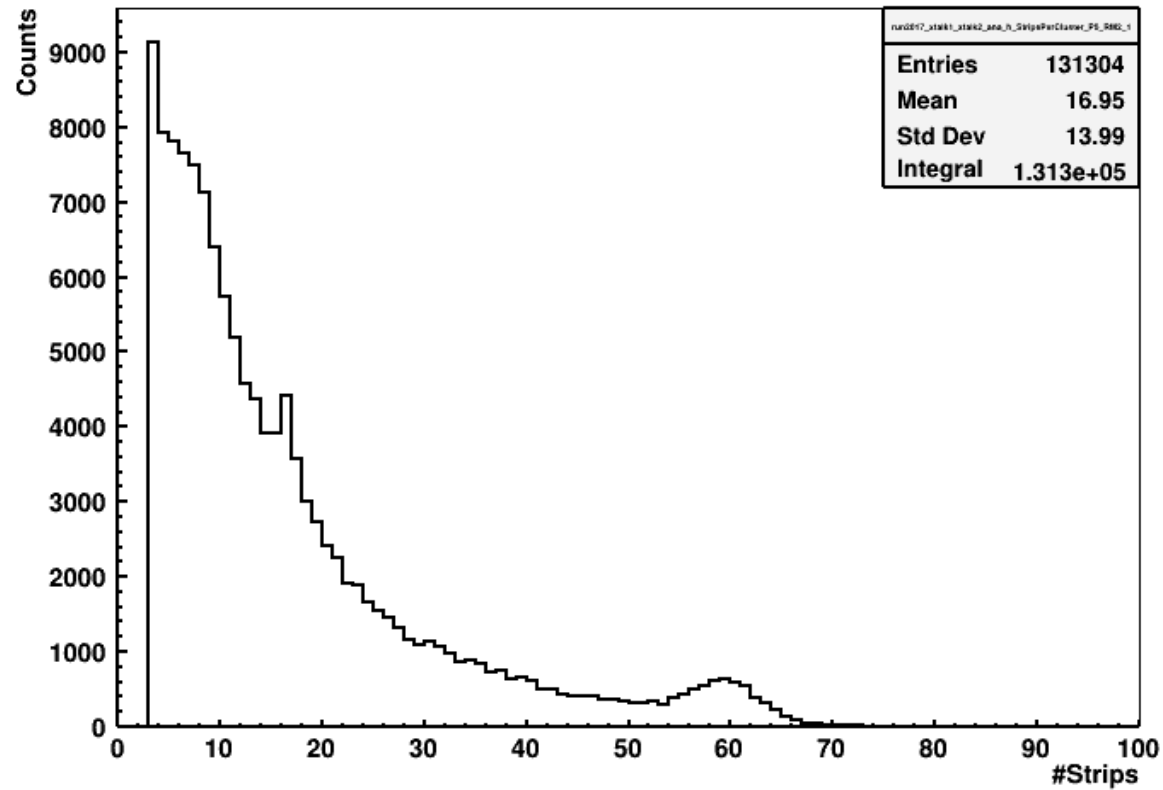
h_ClusterCharge_P1_M01



Drawn at: 2024-06-13 14:03:13

Problem for y-layer of TMM: too many clusters, fixed by considering every strip hit

h_StripsPerCluster_P0_RM2



Drawn at: 2024-06-06 13:07:19

Time [27 ns]

