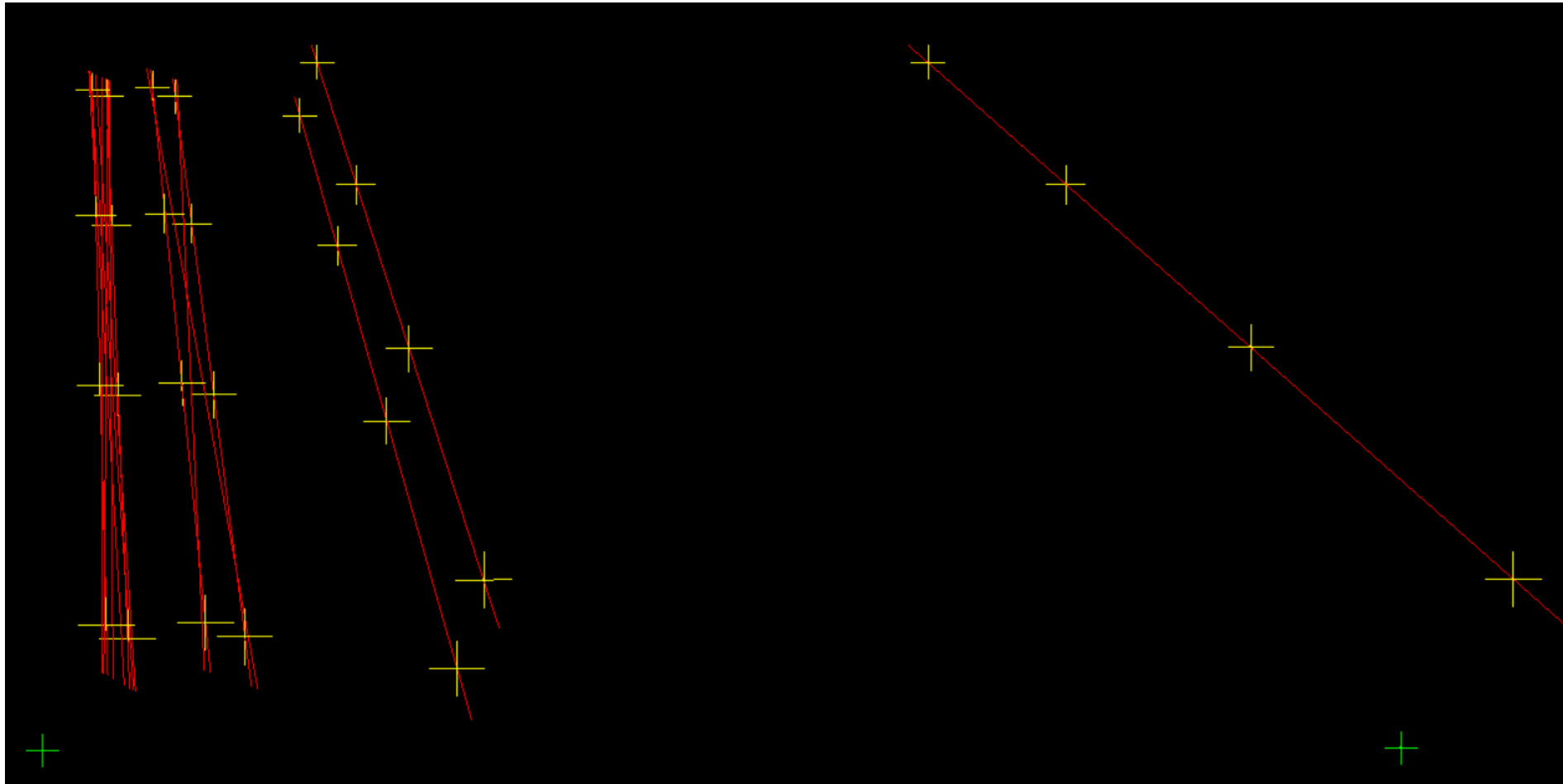


Tagger Tracking

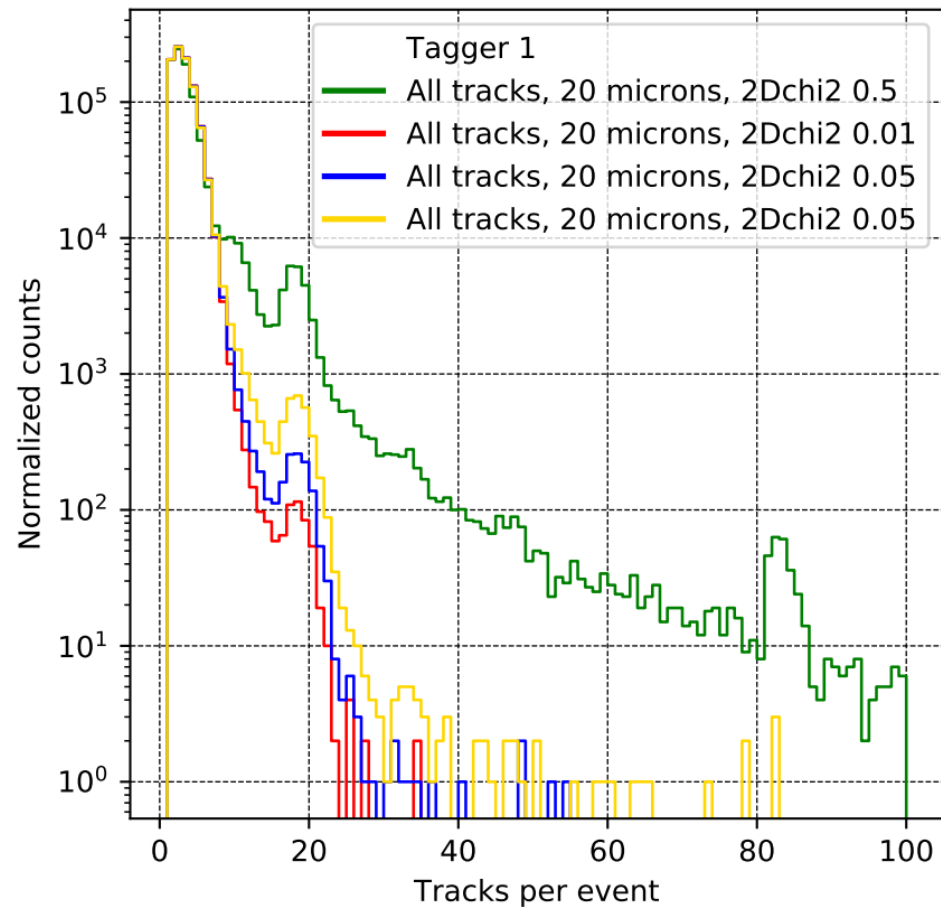
-update-

Miroslav Myska, Jaroslav Adam
CTU in Prague

Combinatorial background tracks



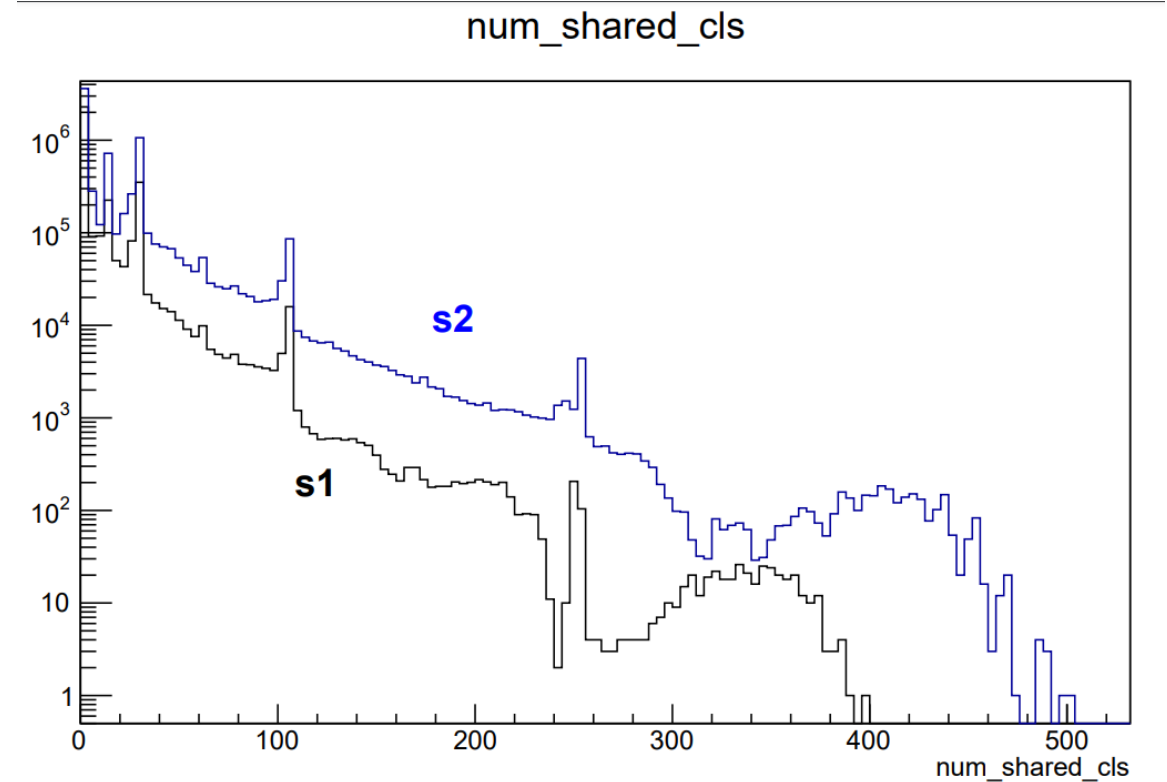
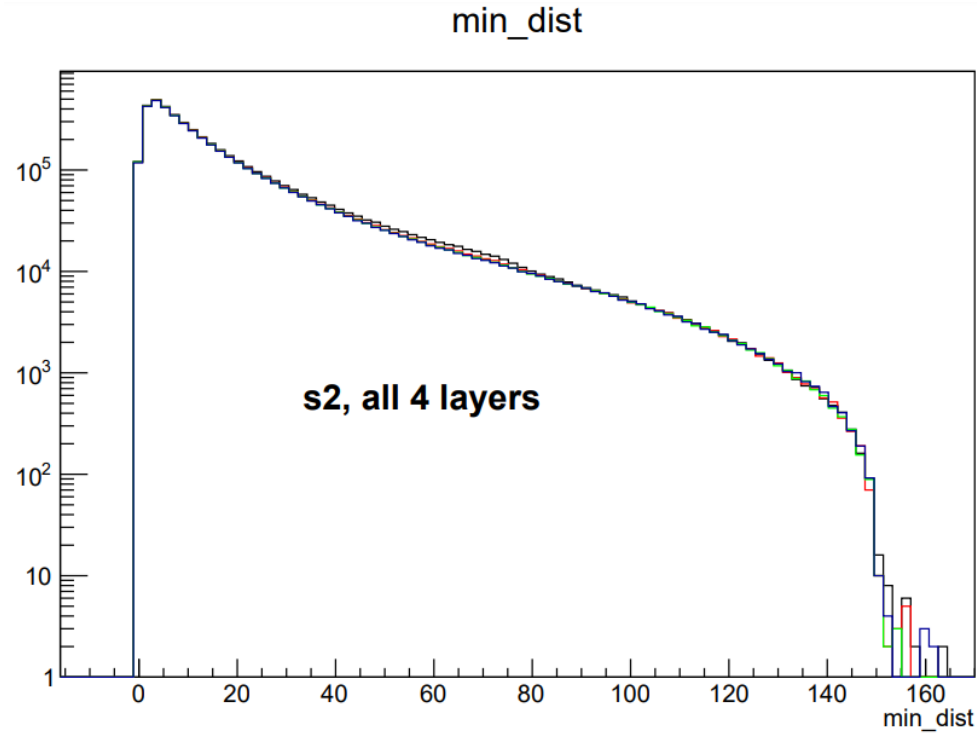
Improvements: GoF quantified in x-y plane



We study:

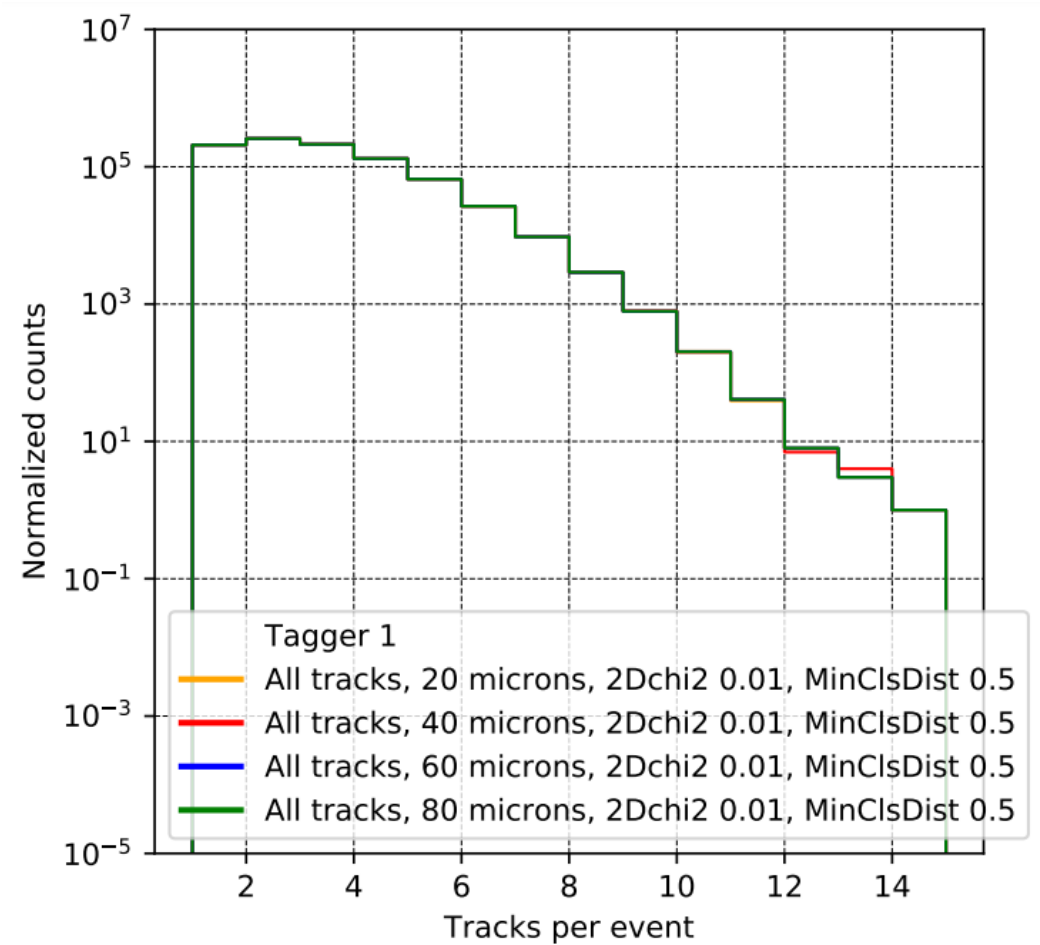
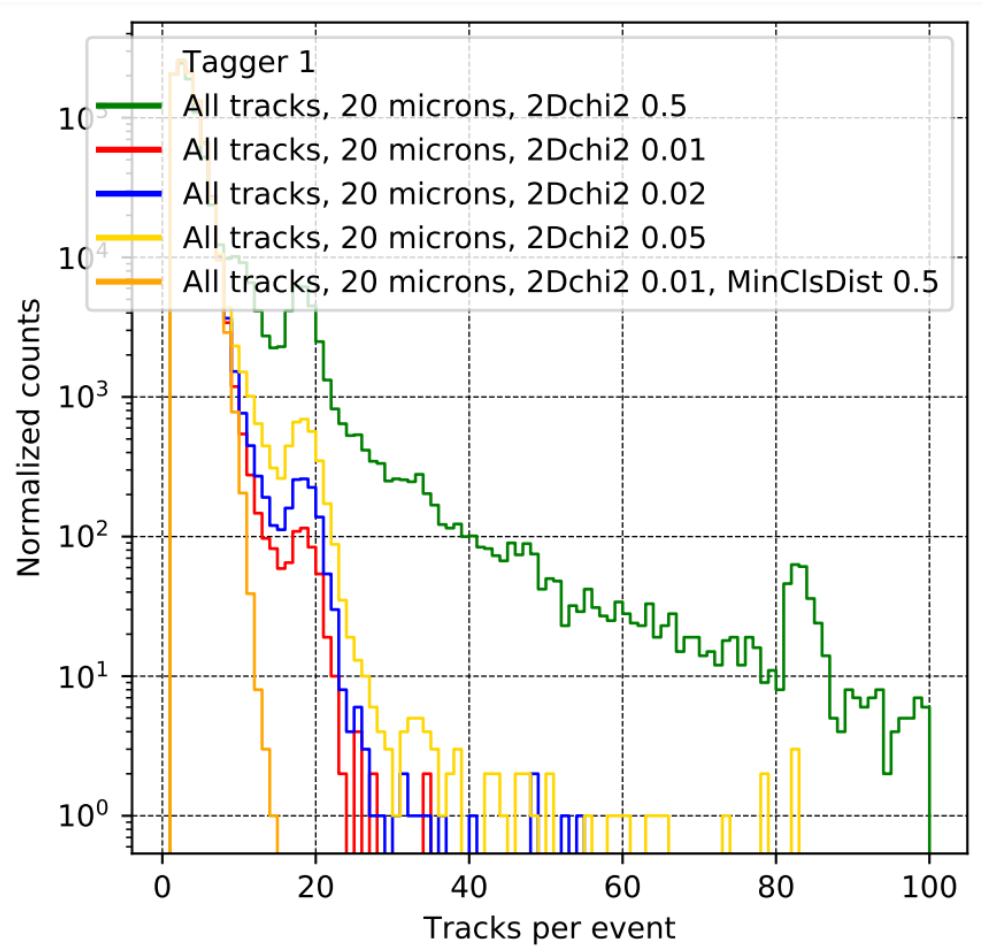
- Pixel sizes: 20, 40, 60, 80, 100 microns
- 1D vs 2D GoF and its limit
- Minimal distance between energy clusters

Too close clusters -> tracks share them

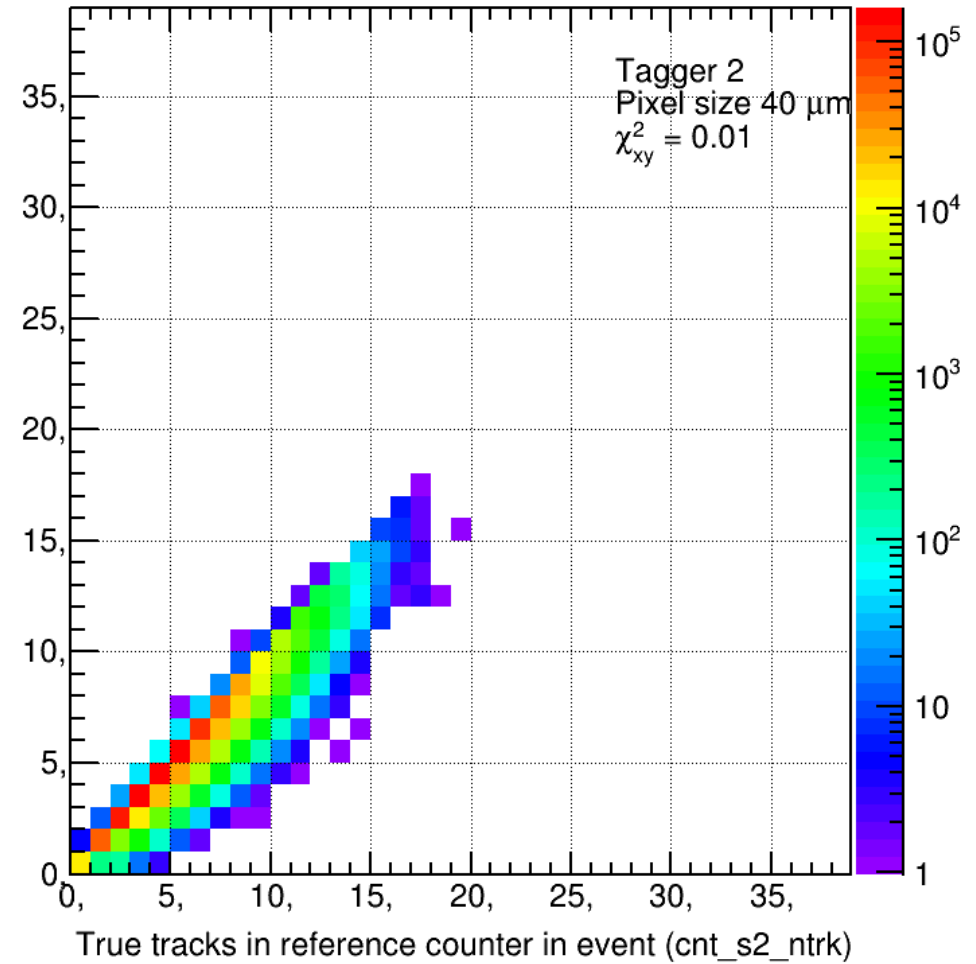
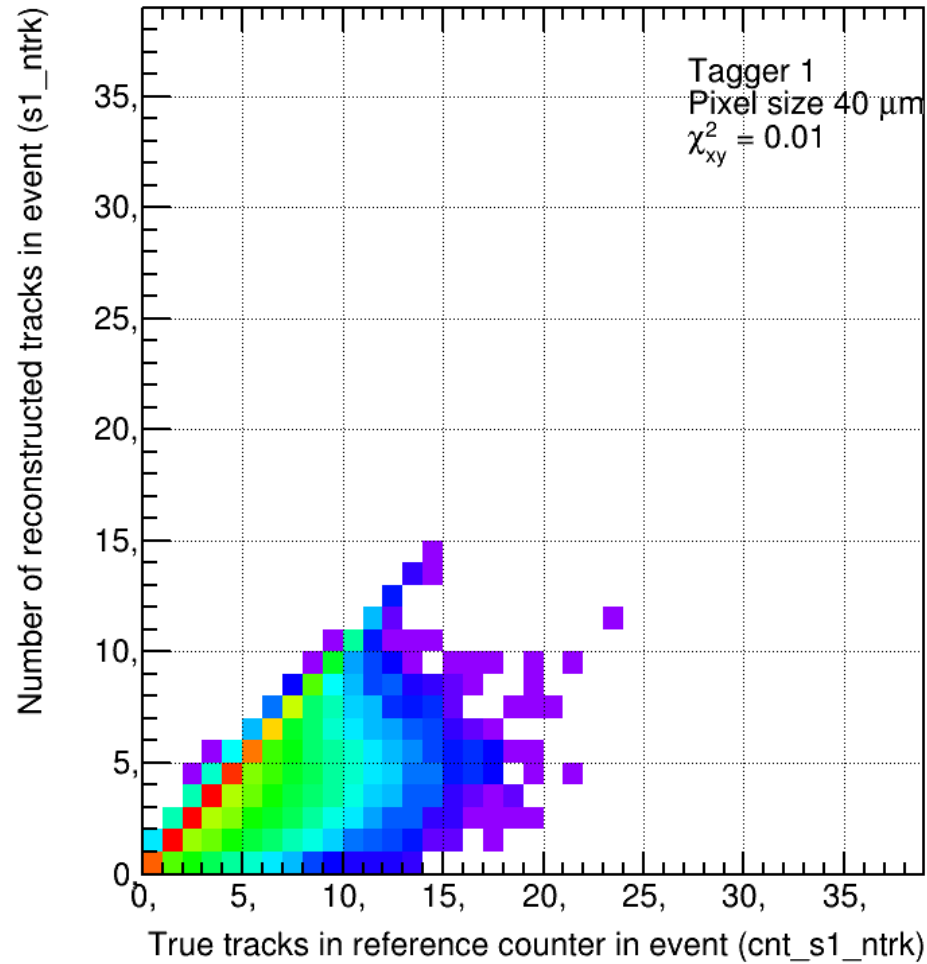


Peaks in shared clusters correspond to multiplicity peaks

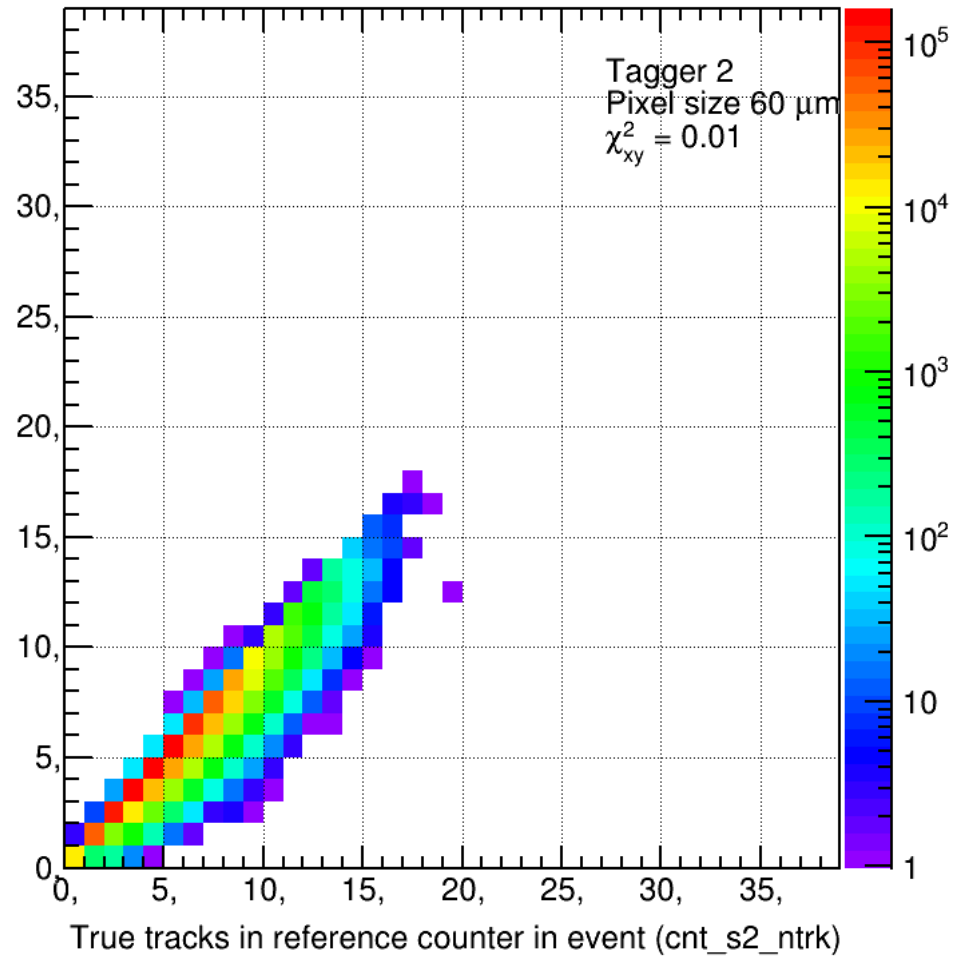
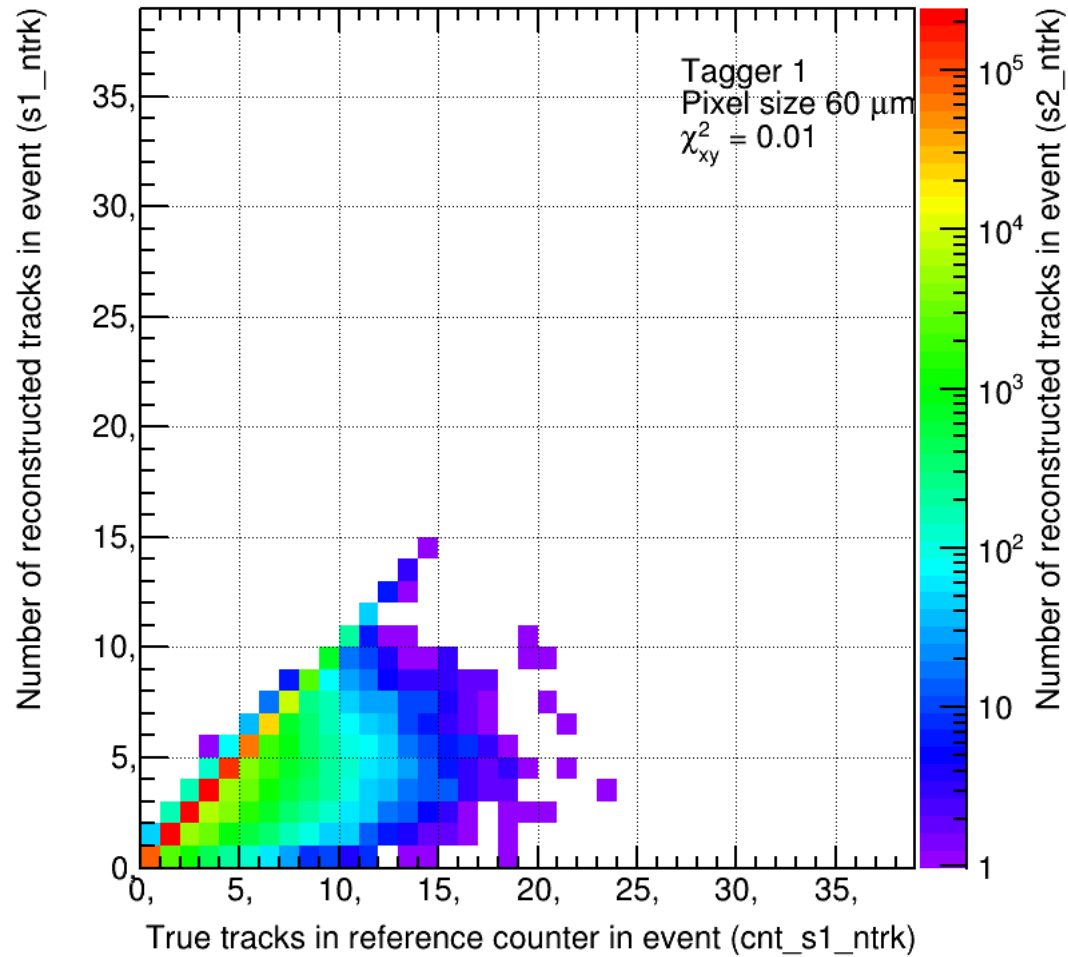
Improvement: cut on minimal distance between clusters - 0.5 mm.



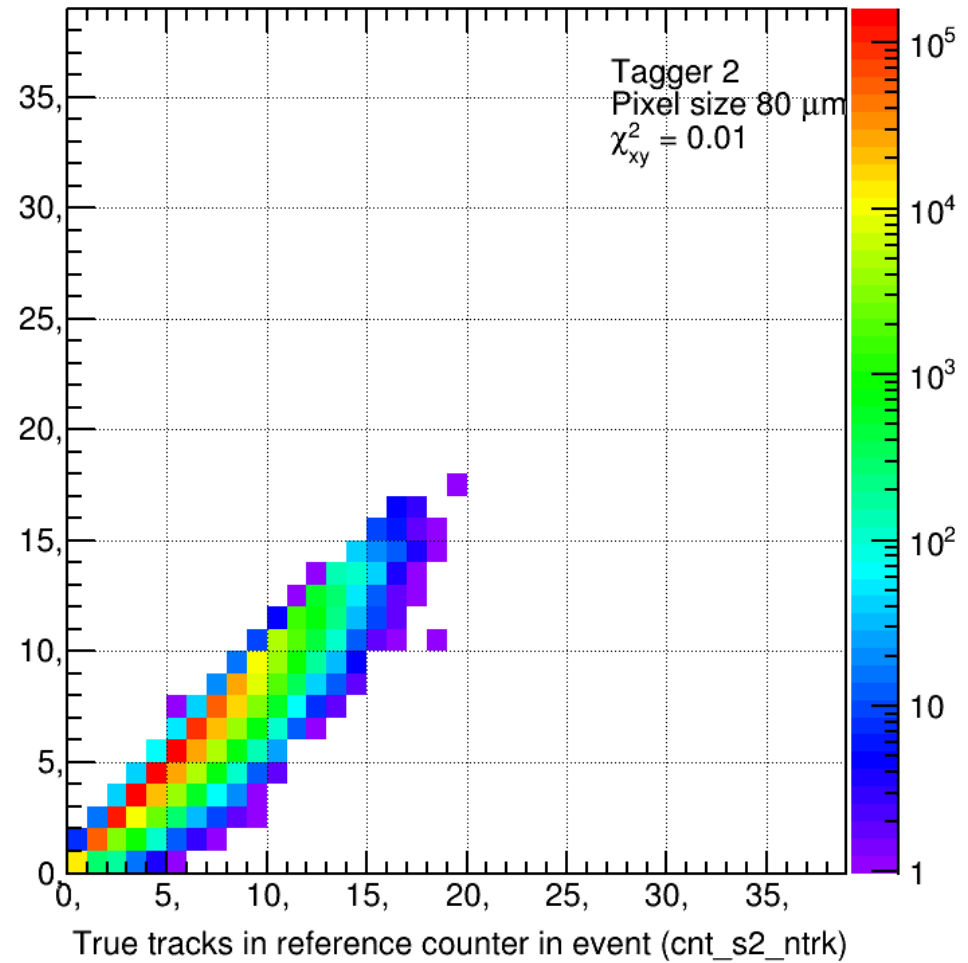
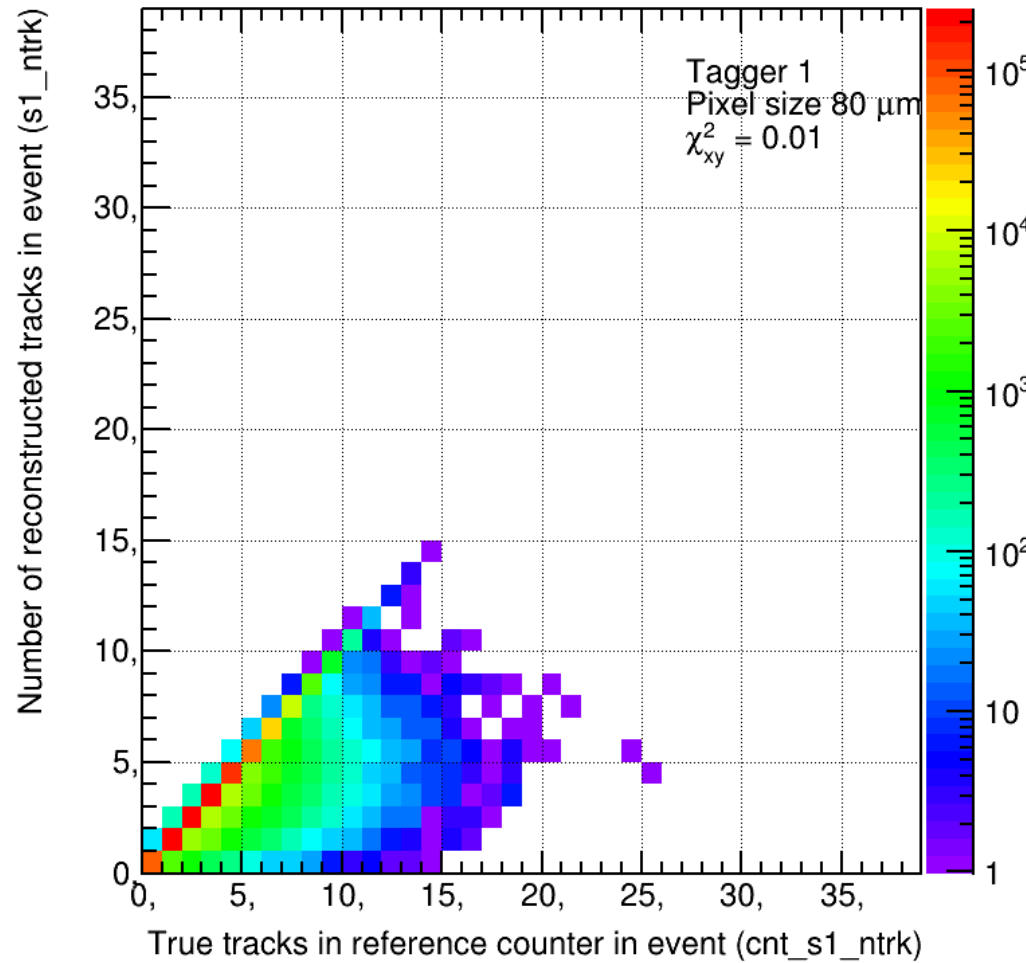
Results: pixel size 40 microns



Results: pixel size 60 microns

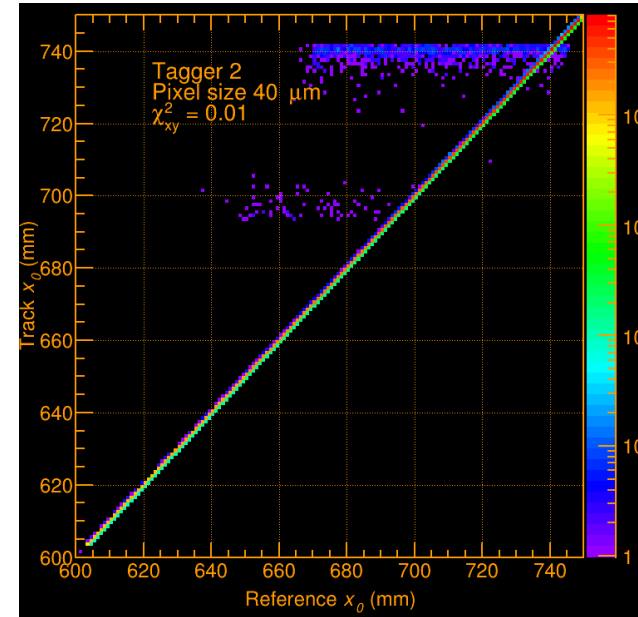
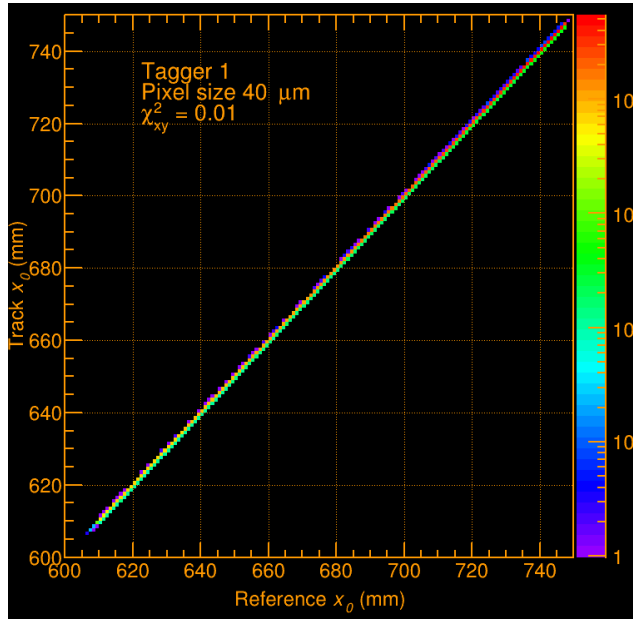


Results: pixel size 80 microns

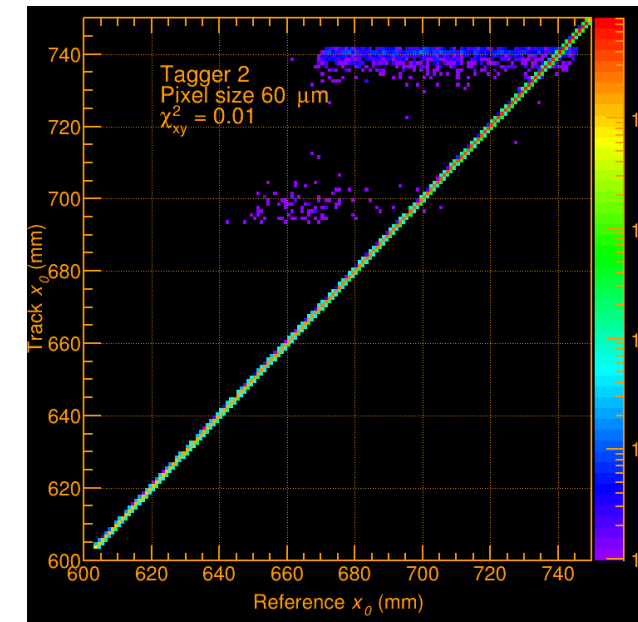
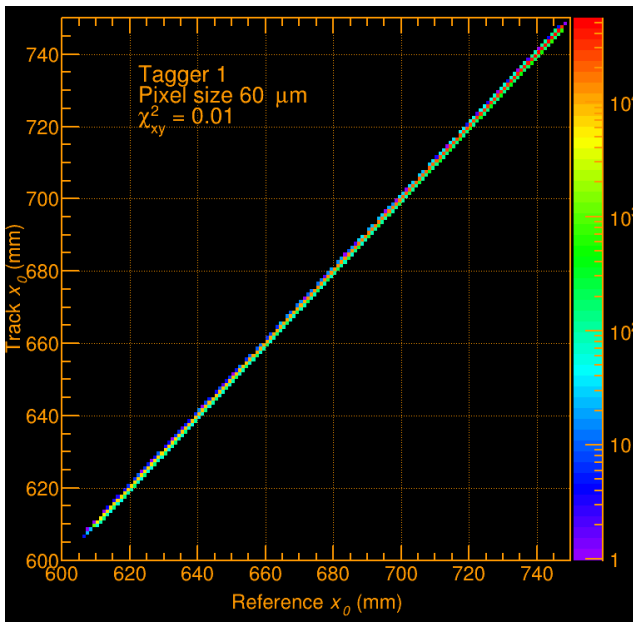


Results: track x-position: reco vs reference

Pixel 40 microns

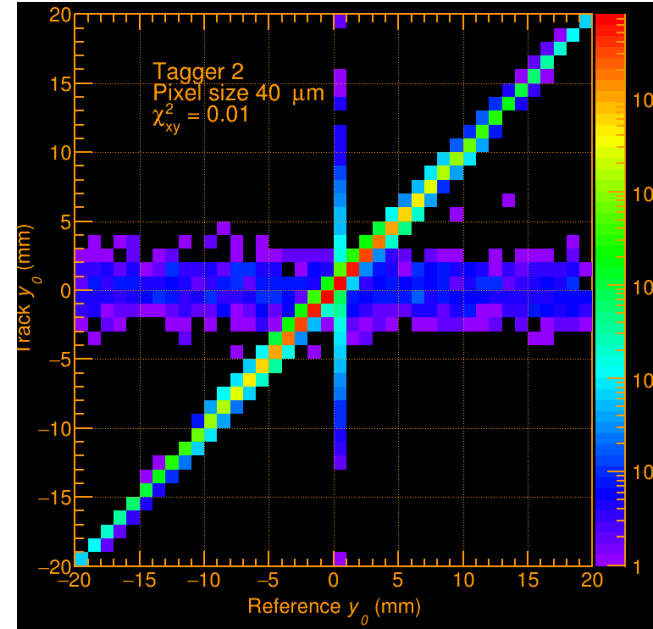
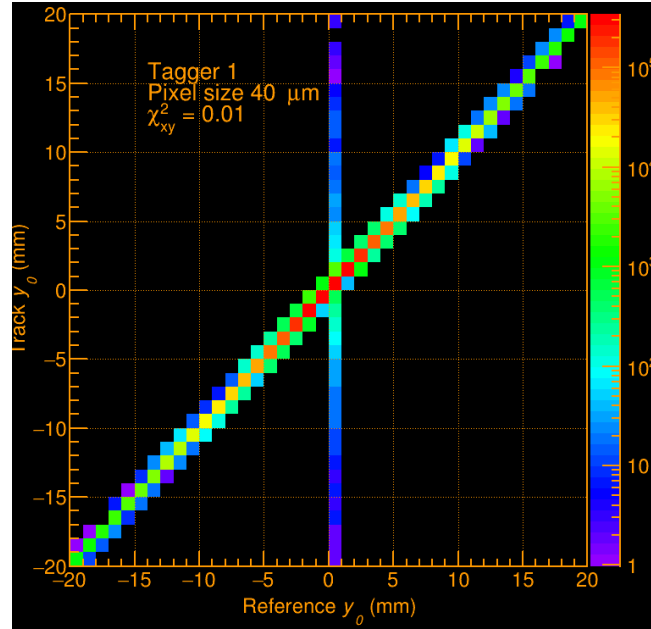


Pixel 60 microns



Results: track y-position: reco vs reference

Pixel 40 microns



Pixel 60 microns

