

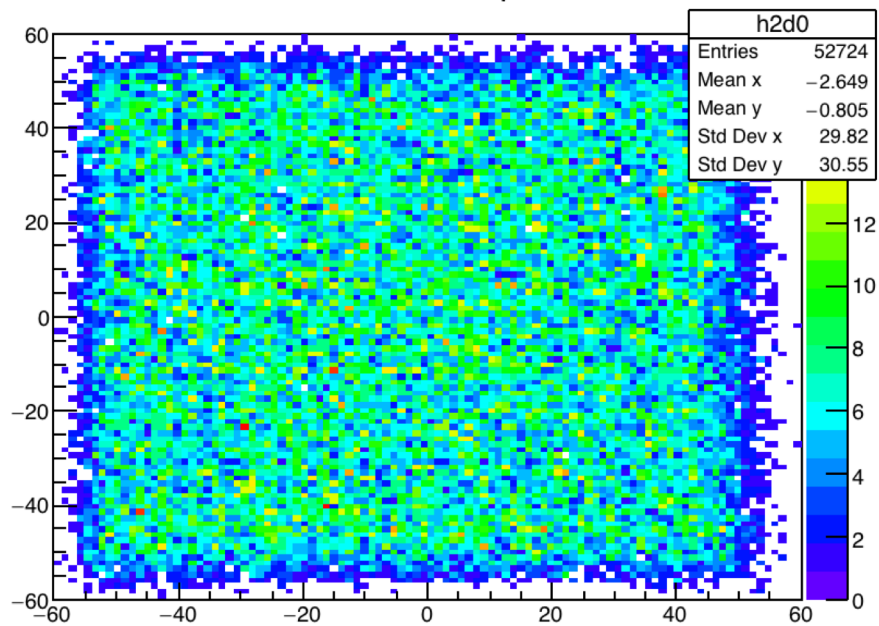
Synchronization with The Wire Chamber Data

Delay Wire Chamber Positions

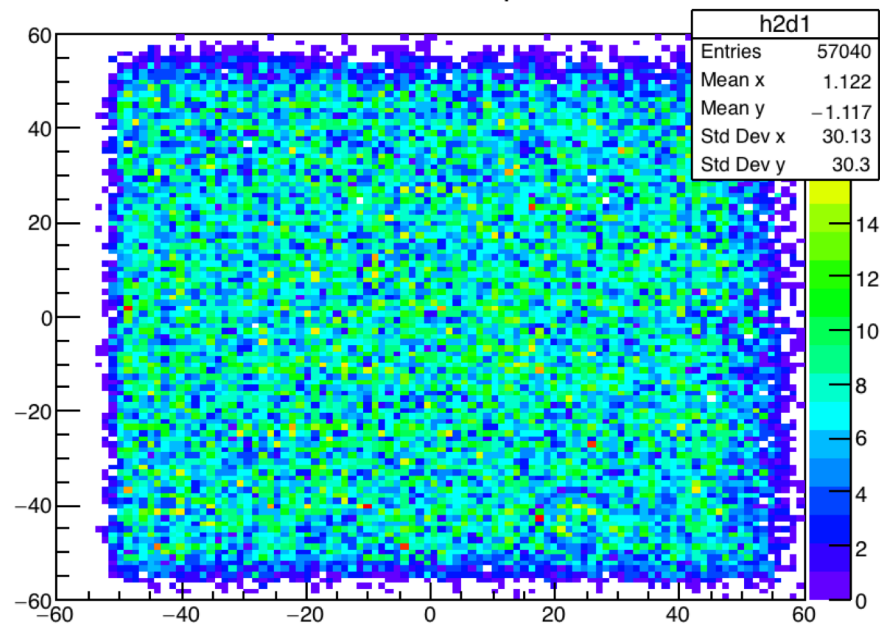
- Four chambers



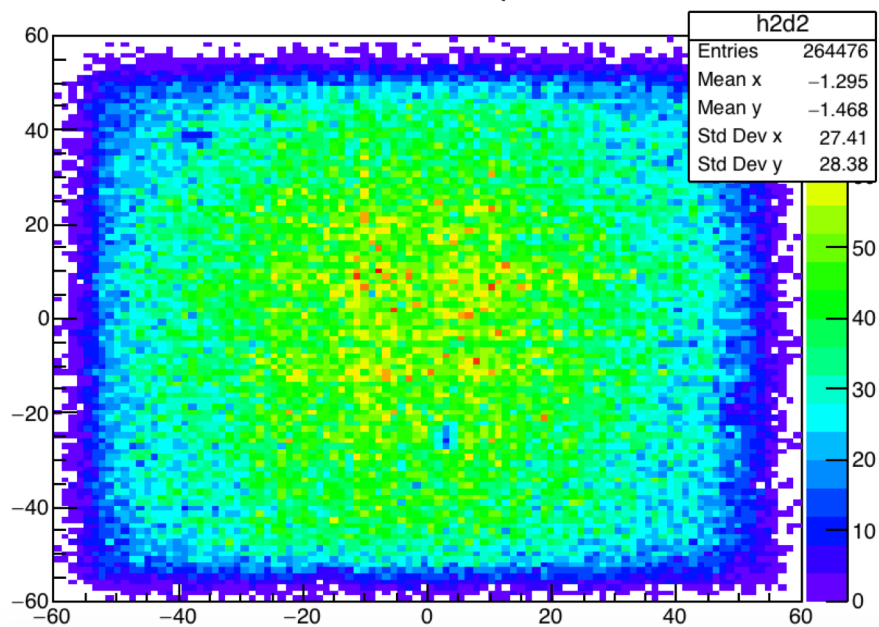
dwc e hitmap



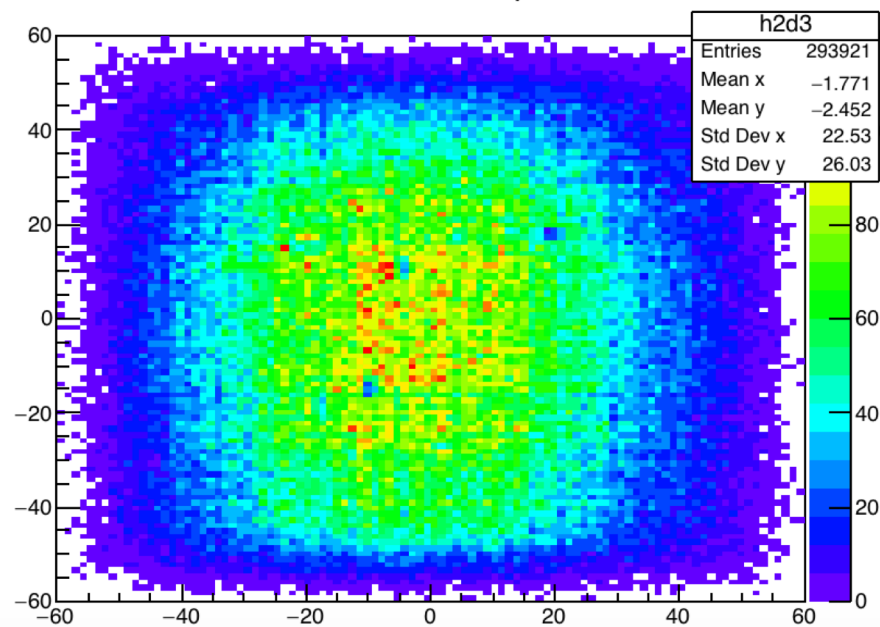
dwc d hitmap



dwc a hitmap



dwc ext hitmap



Total Events	327791
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DWC EXT	293921
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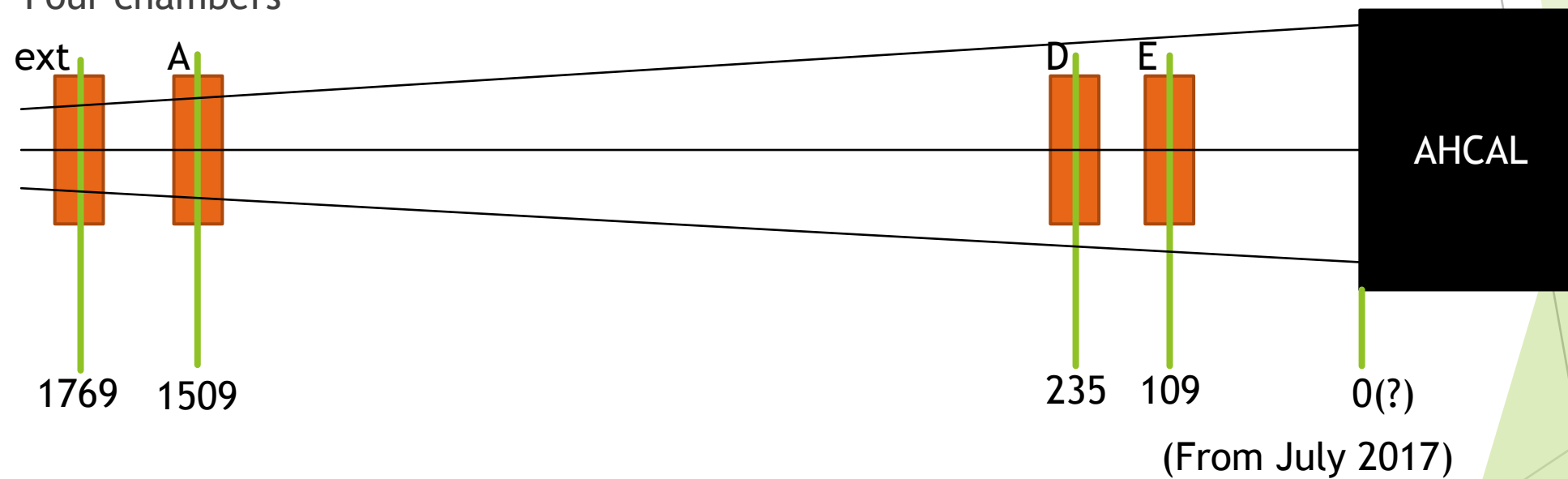
DWC A	264476
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DWC D	57040
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DWC E	52724
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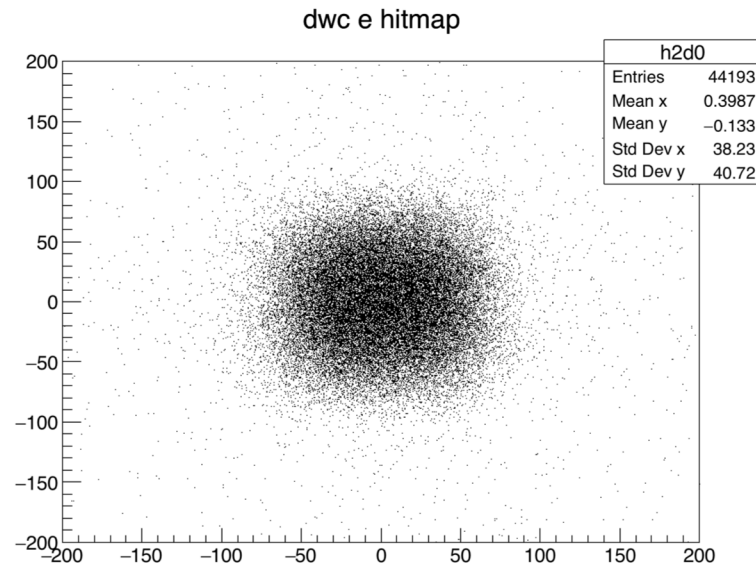
Delay Wire Chamber Positions

► Four chambers



Calibration

- Reconstruct with data from two chambers (Ext and one more)
- See the reco-position distribution around the Ext chamber
- Calibrate so that the center of the distribution comes around 0

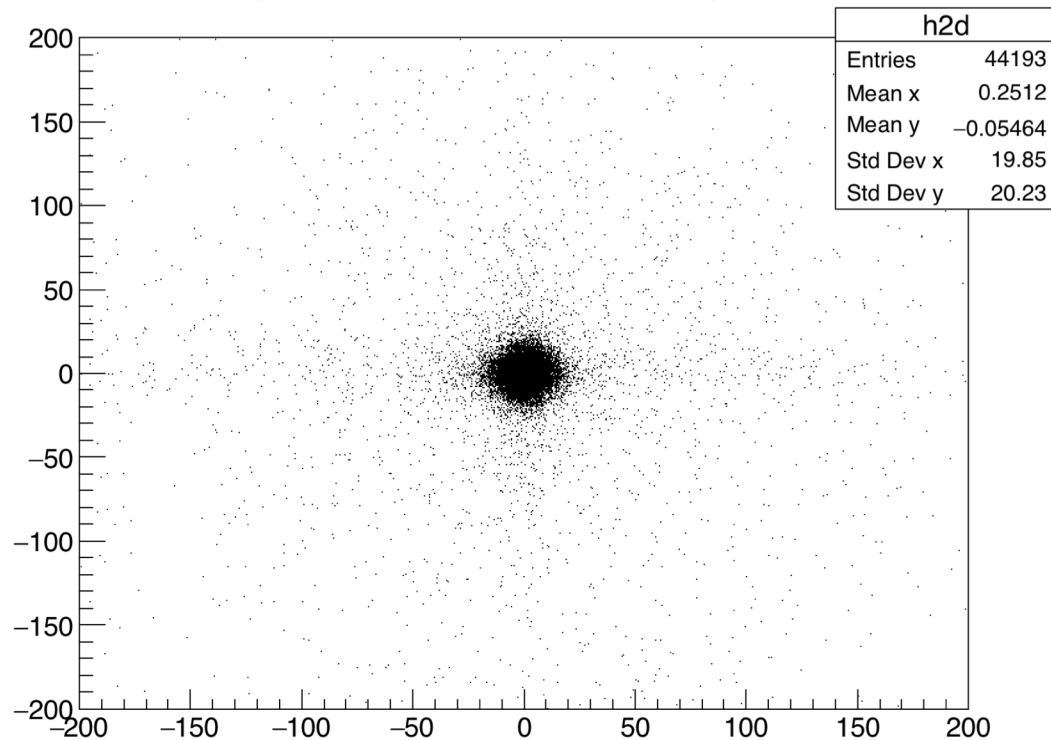


dwc_A_offsetX = -1.11
dwc_A_offsetY = -1.22
dwc_D_offsetX = -0.8
dwc_D_offsetY = -1.15
dwc_E_offsetX = -2.8
dwc_E_offsetY = -0.6 (mm)

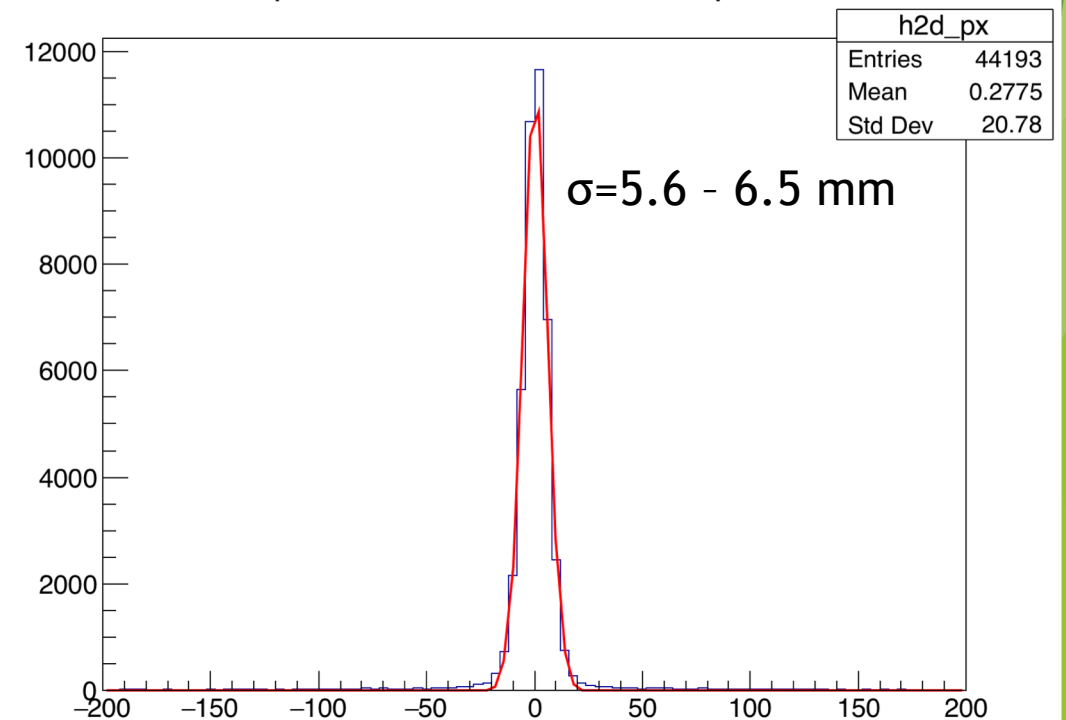
Statistics

- Events hitting all four chambers are rare case in muon run (~12%)
- We could only use first two for reconstruction

2p-reco distribution around 4p-reco

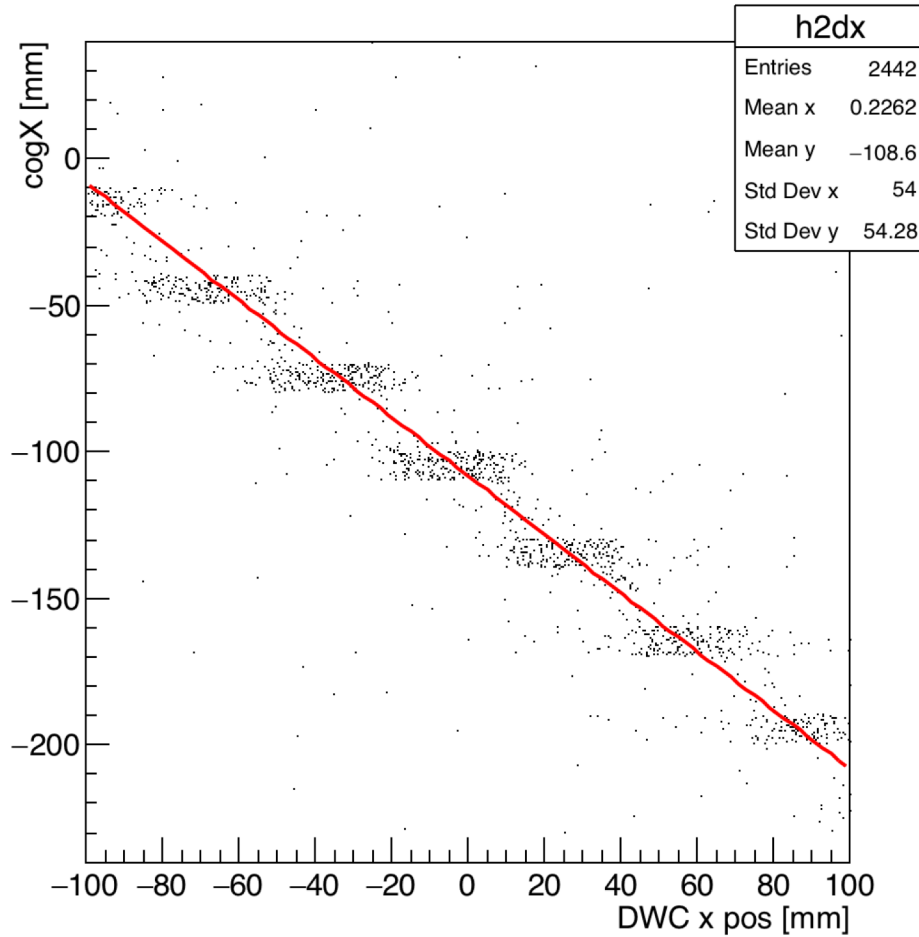


2p-reco distribution around 4p-reco

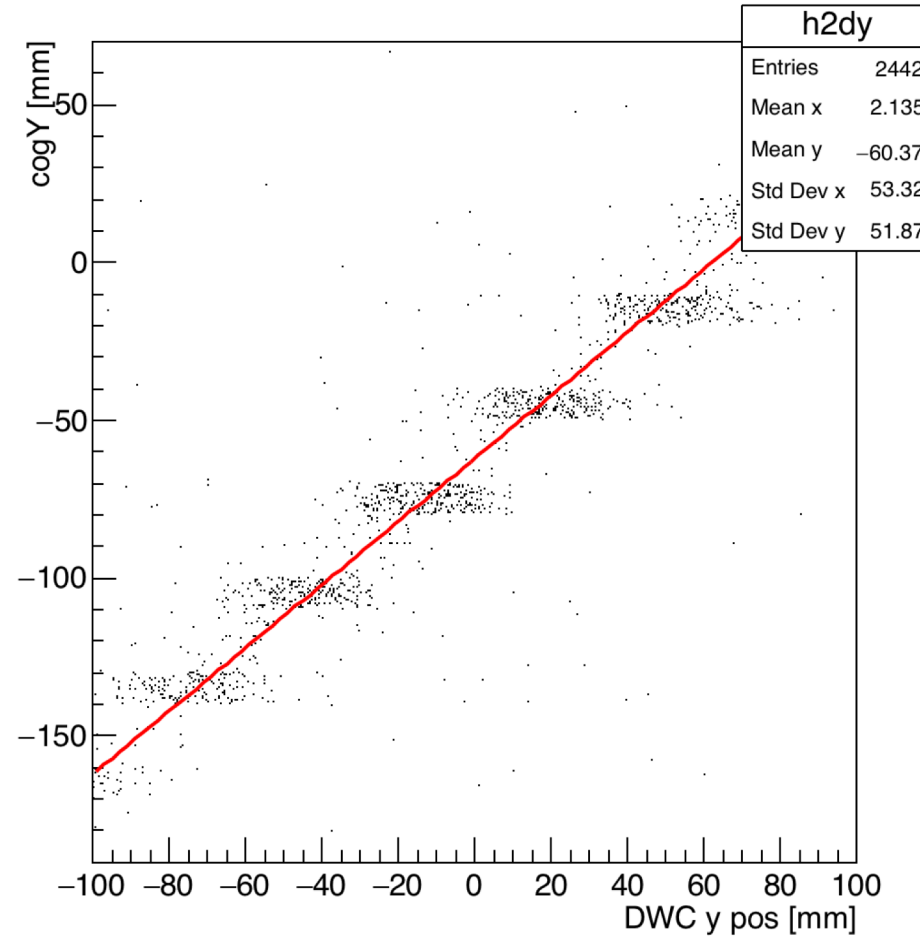


Muon Events

x position correlation

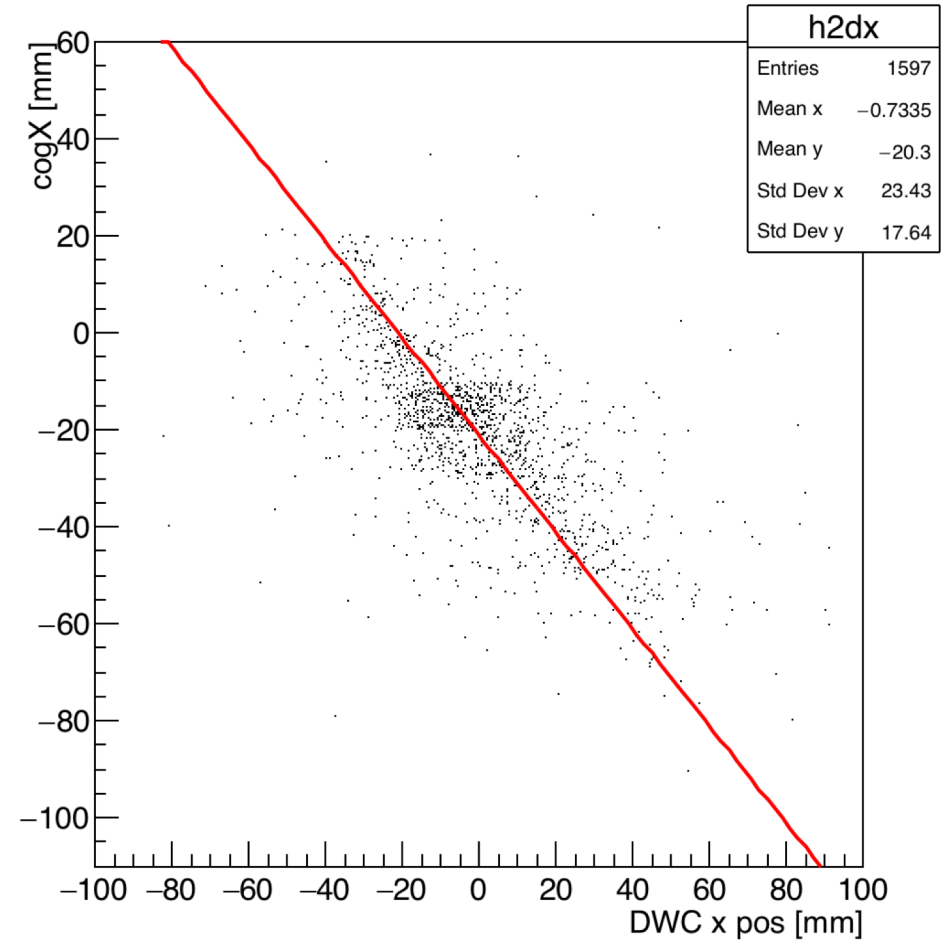


y position correlation



Electron Events

x position correlation



y position correlation

