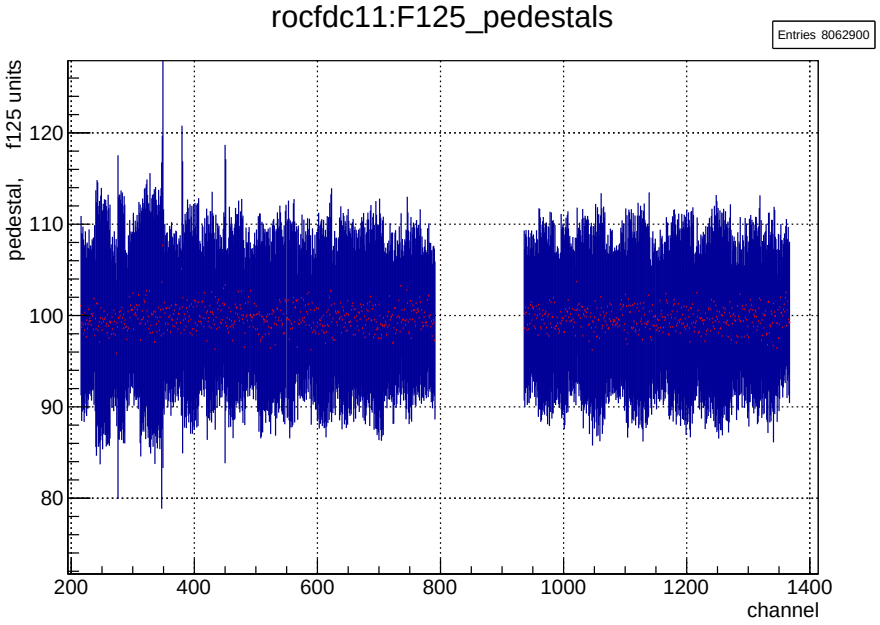
FDC performance in the fall 2014 run

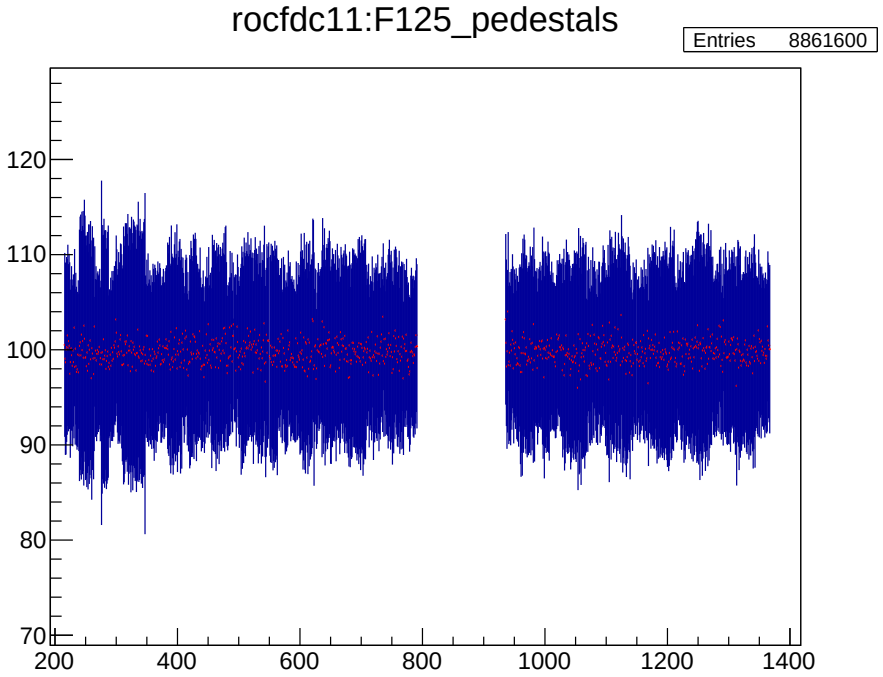
Lubomir Pentchev
Valdimir Berdnikov

FDC baseline

Run1269

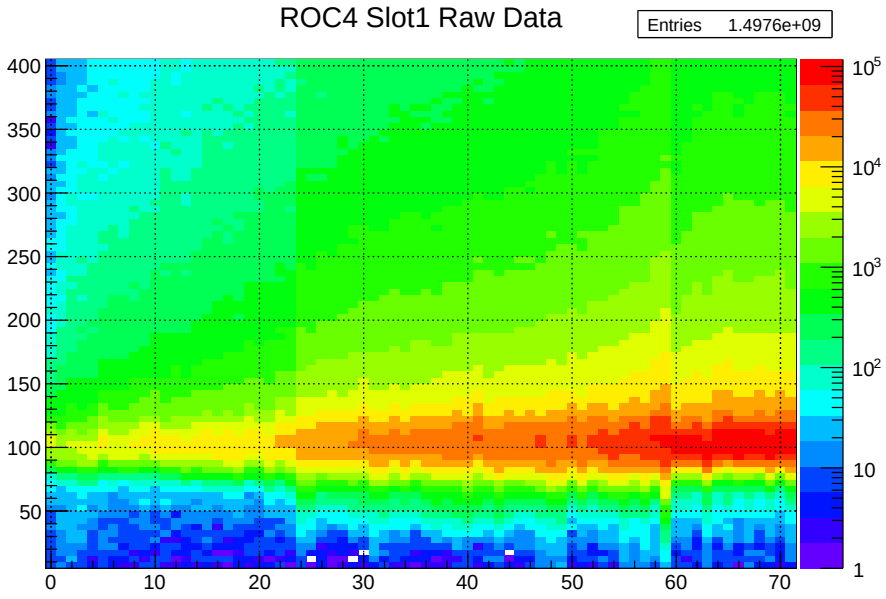


Run1649

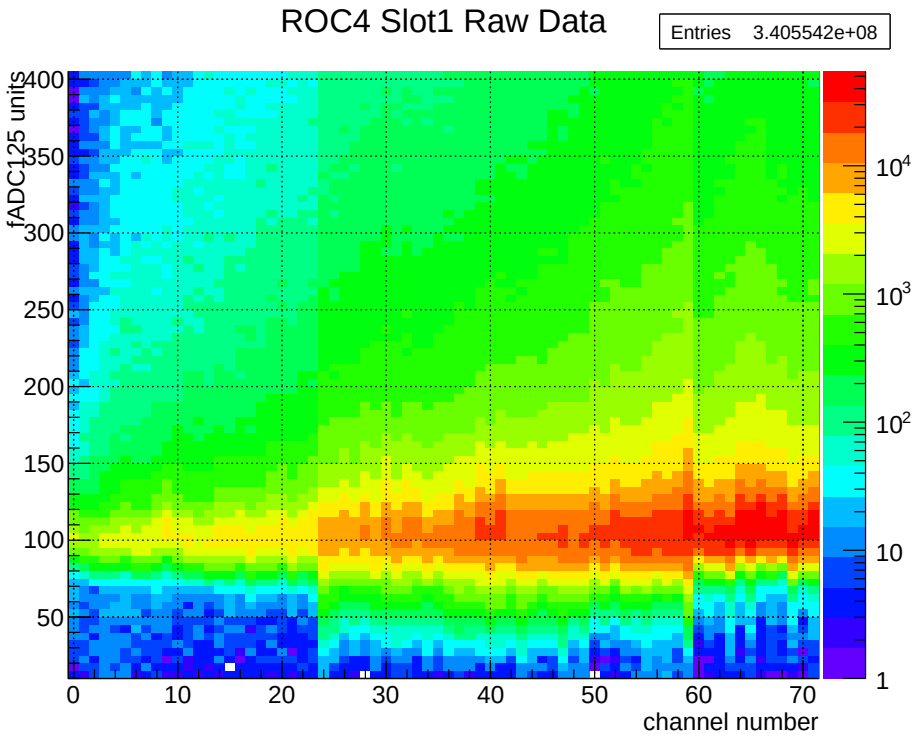


FDC baseline

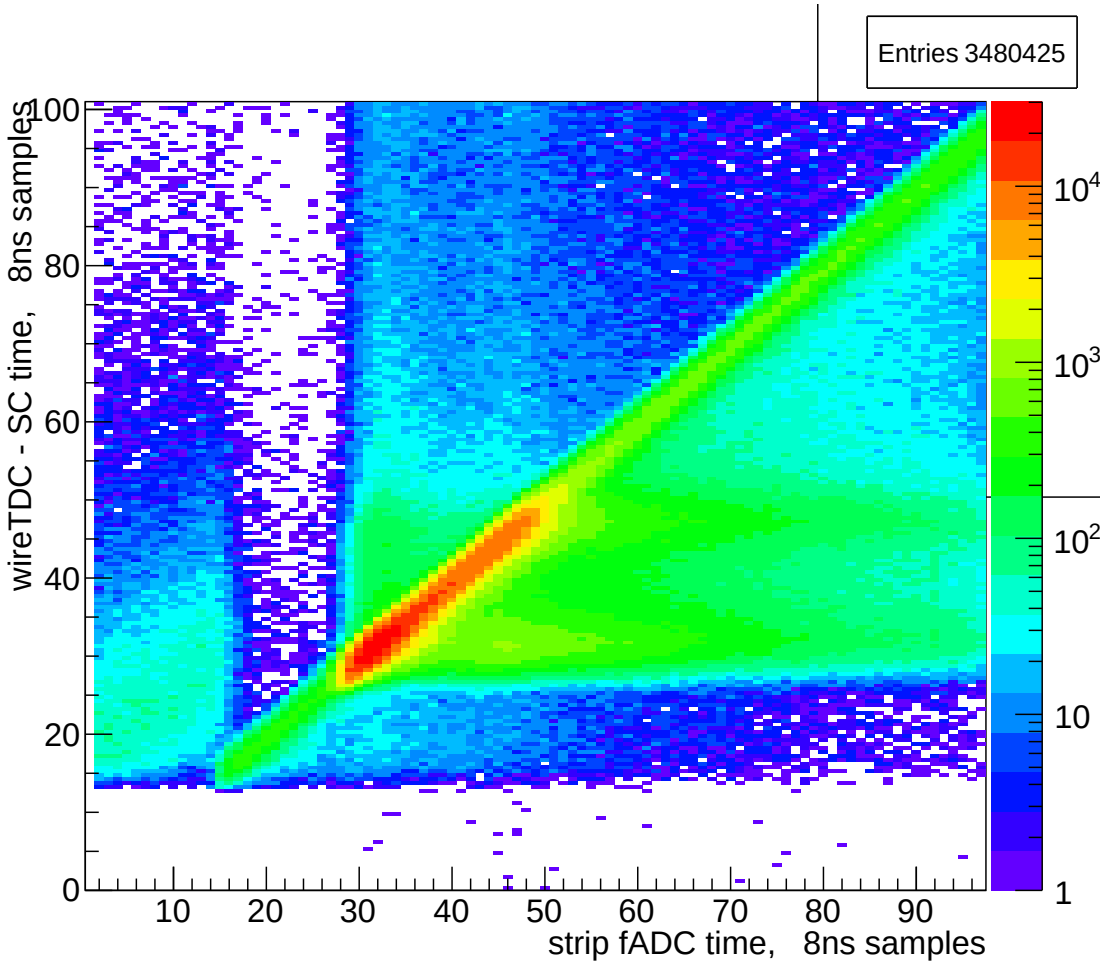
Run1269



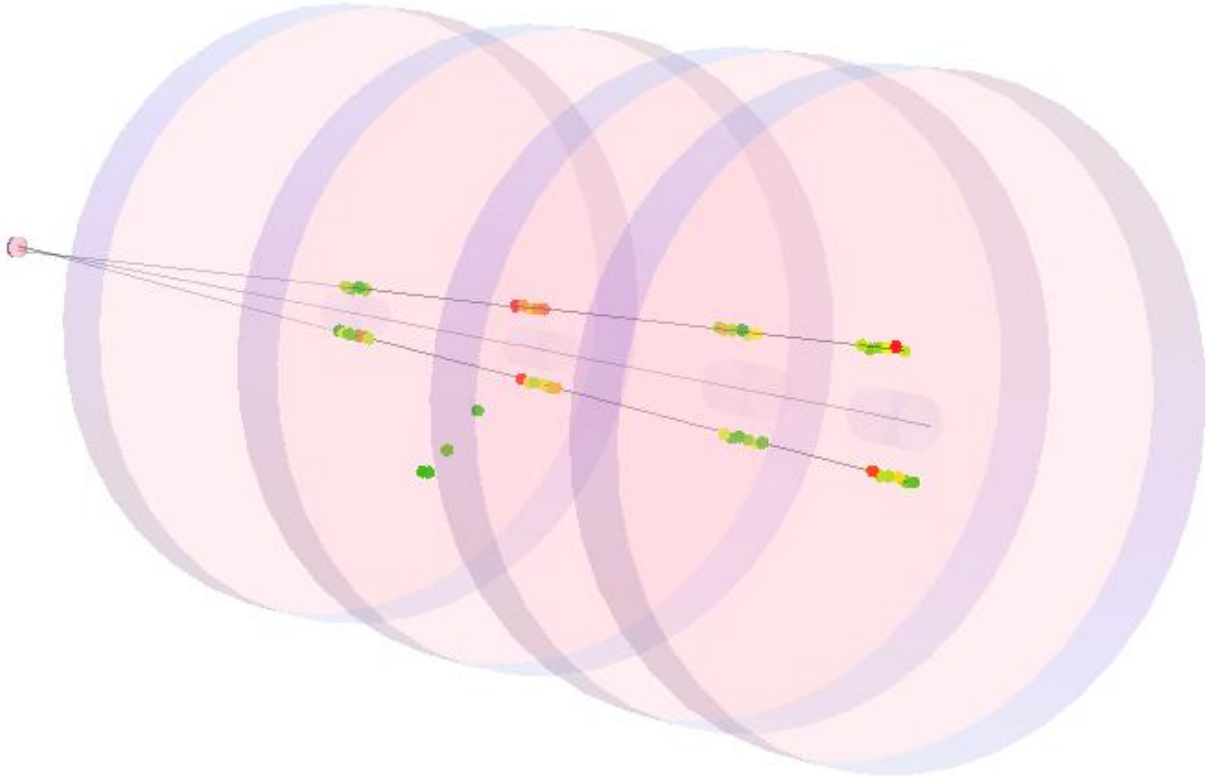
Run1609



Strip(fADC125) -Wire(F1TDCv3) timing correlations

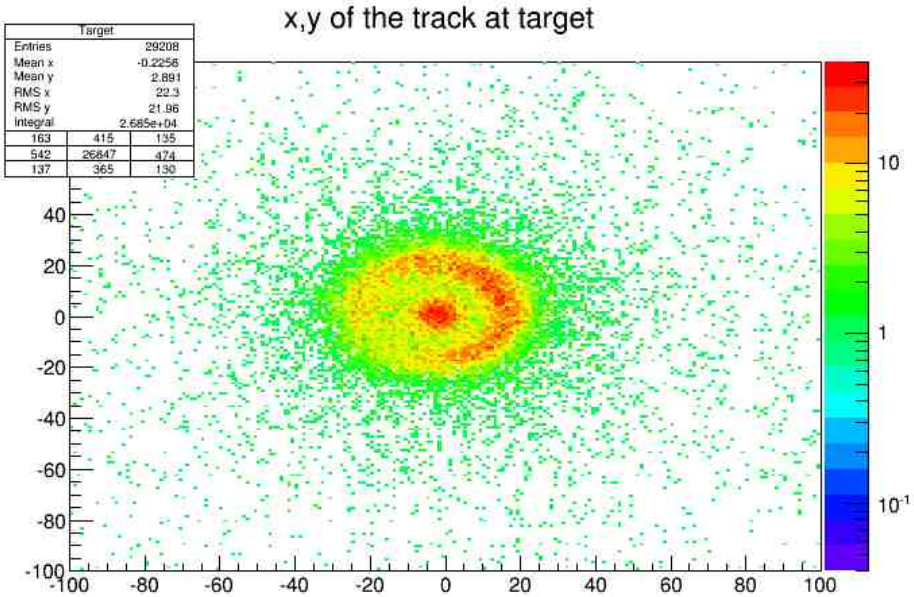


Tracking

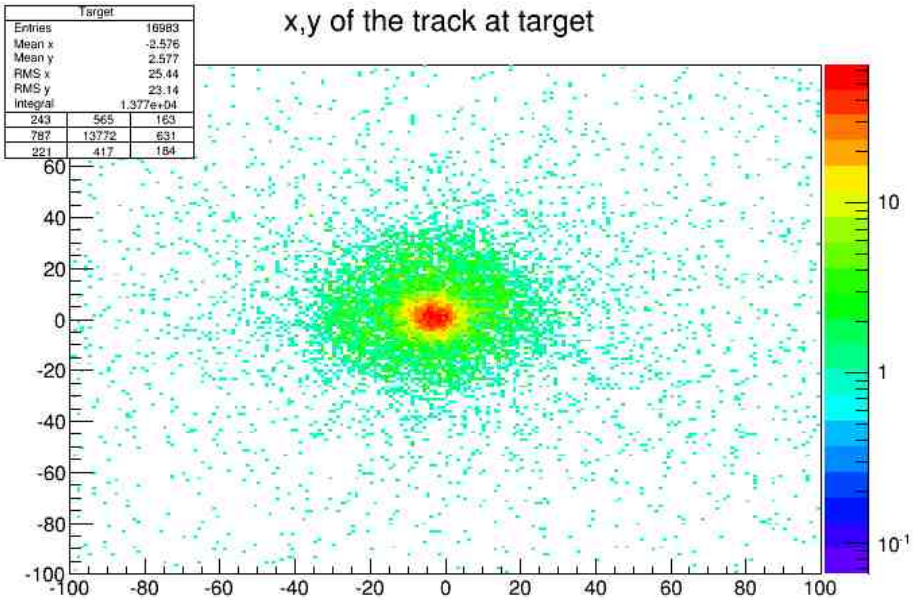


Track projection at target position

Run1282

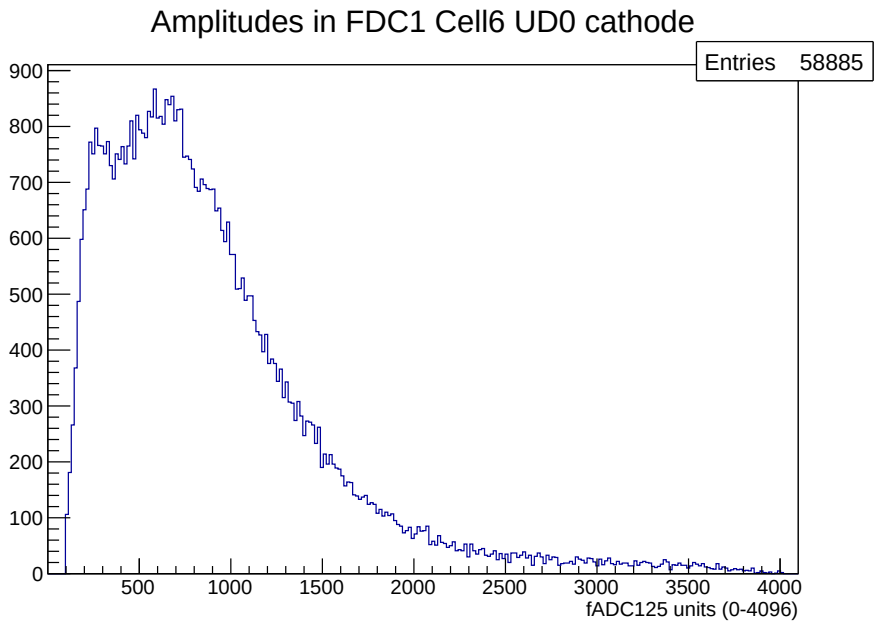


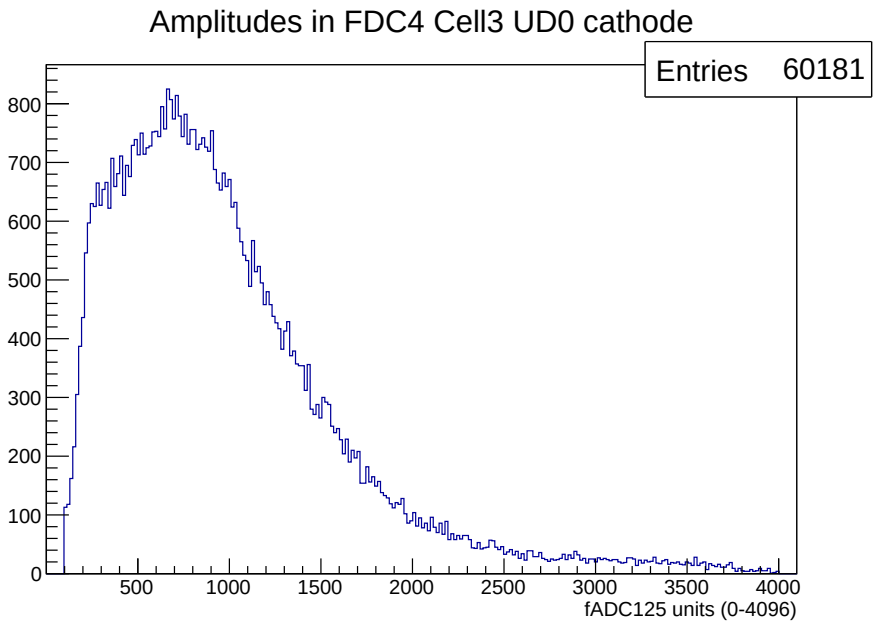
Run1329



Typical signal distributions

Amplitude distributions for the middle strip in a cluster associated with a track





FDC efficiency with tracking

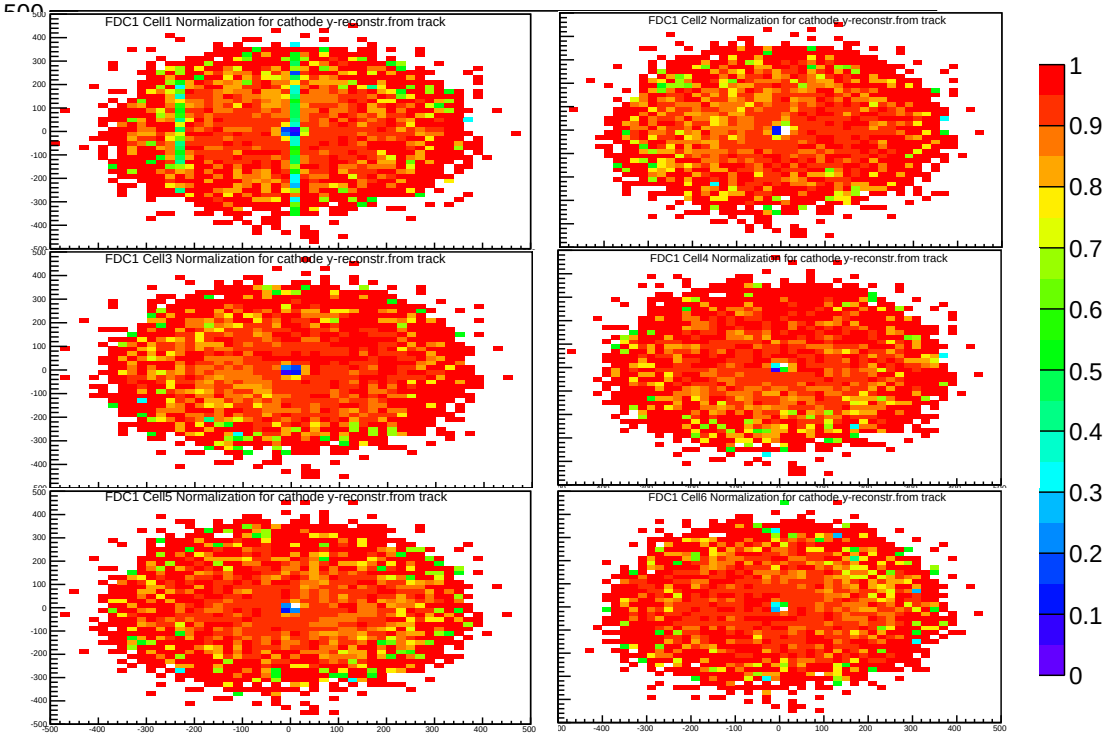


Figure: Package 1 efficiency, x and y in mm

FDC efficiency with tracking

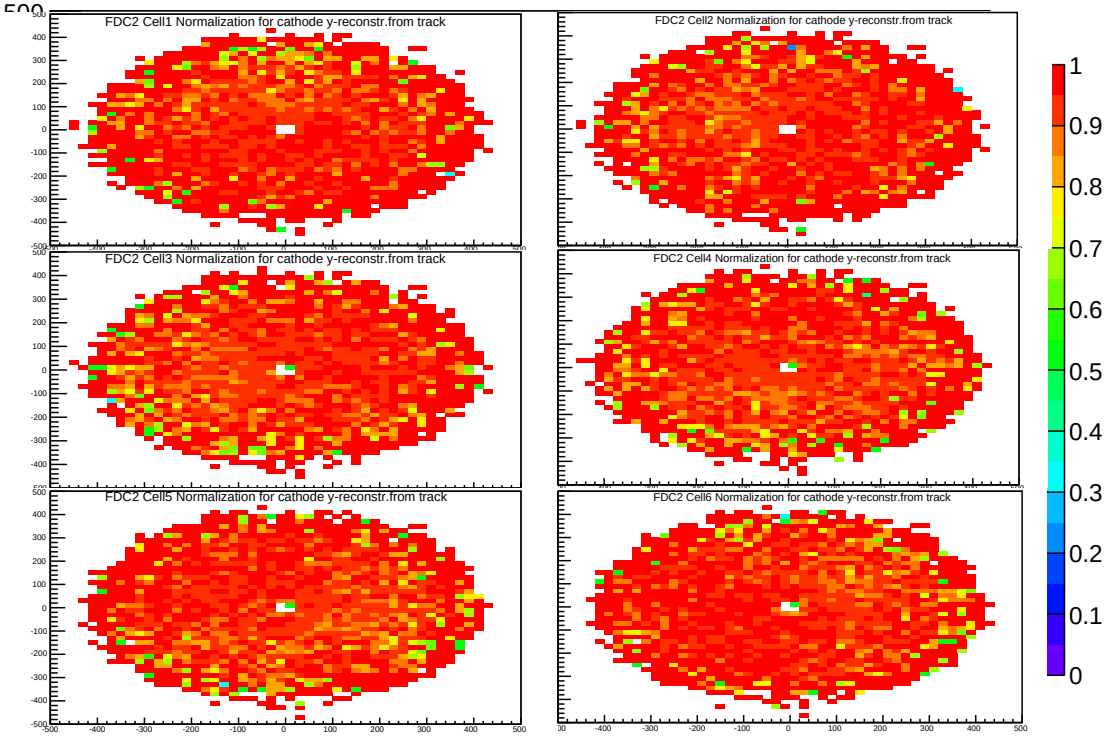


Figure: Package 2 efficiency, x and y in mm

FDC efficiency with tracking

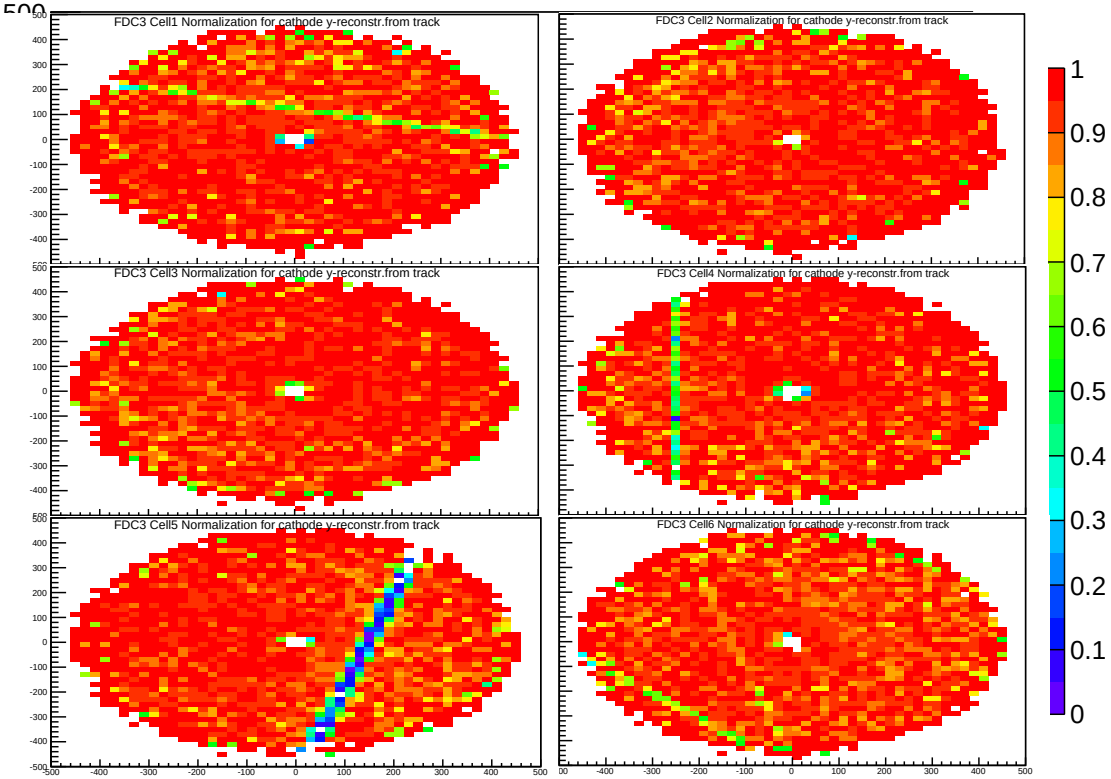


Figure: Package 3 efficiency, x and y in mm

FDC efficiency with tracking

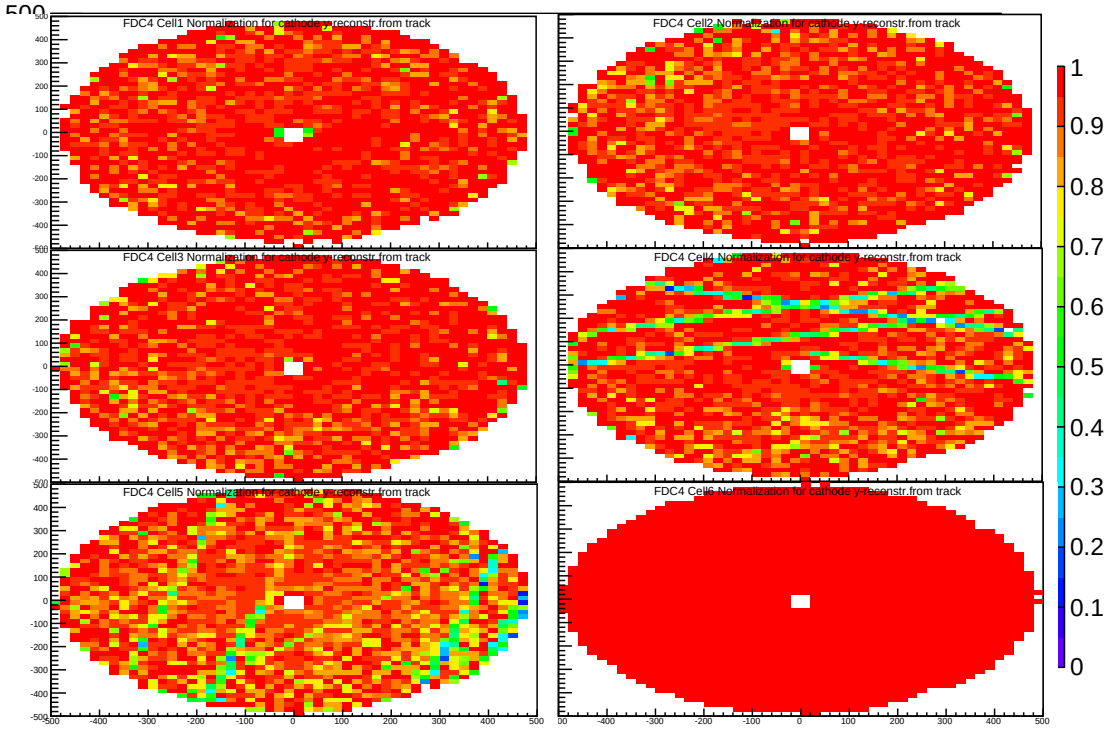
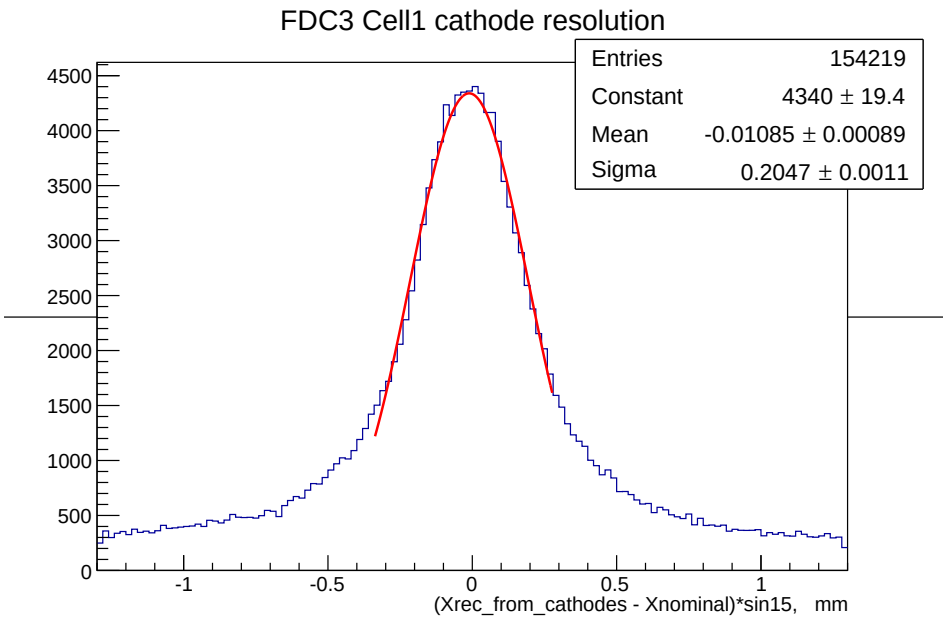
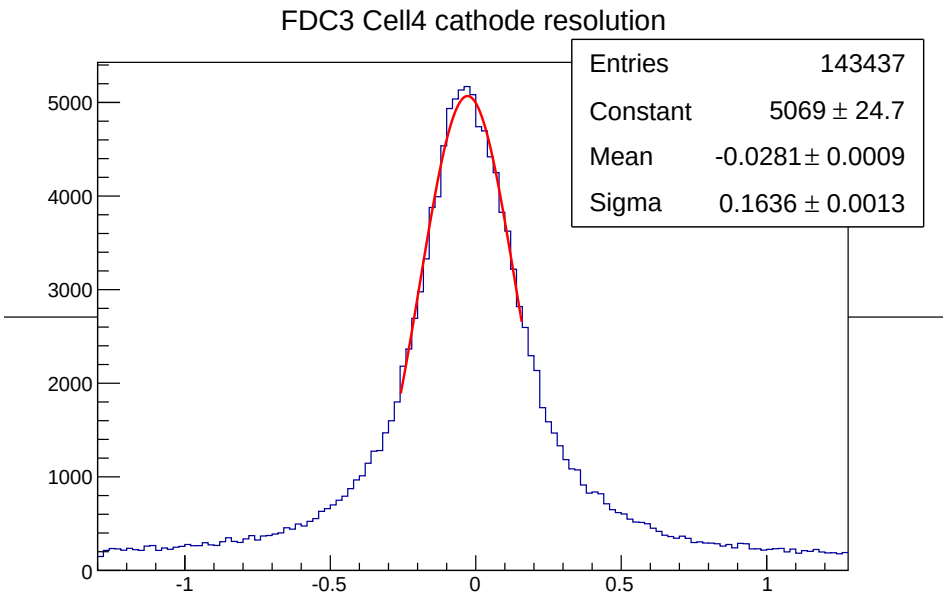


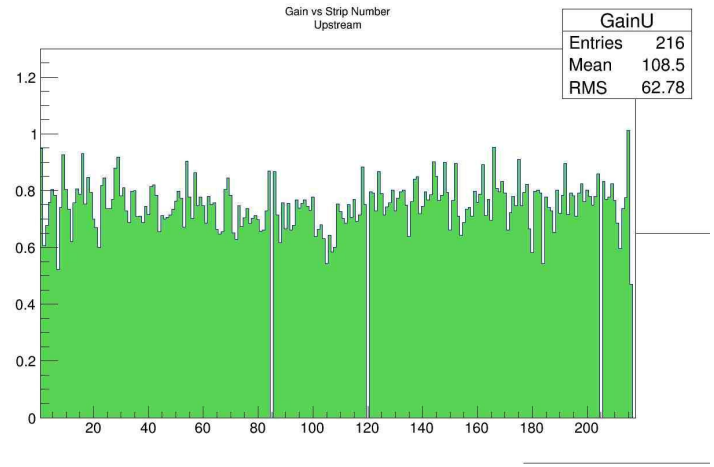
Figure: Package 4 efficiency, x and y in mm

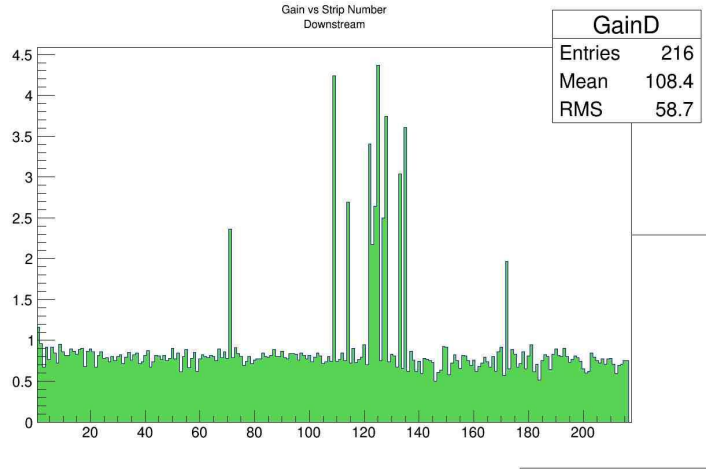
Cathode resolution from wire position reconstruction

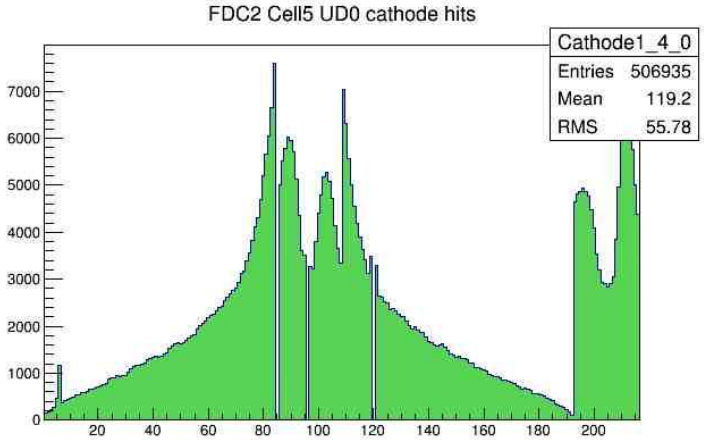


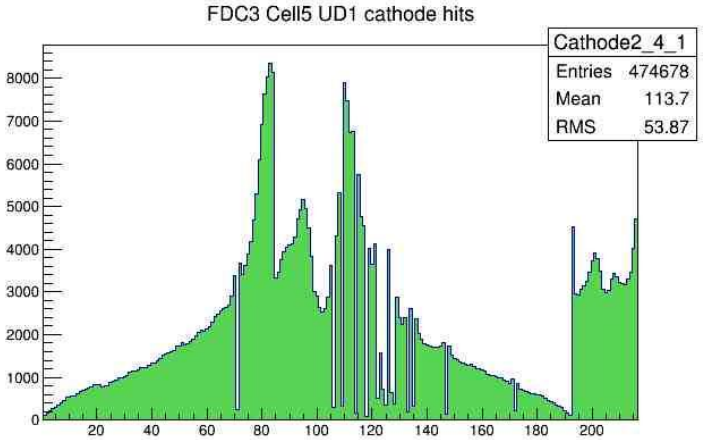


Cathode gain calibration

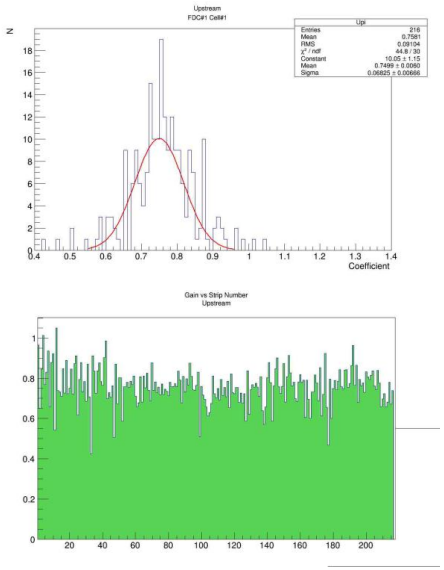


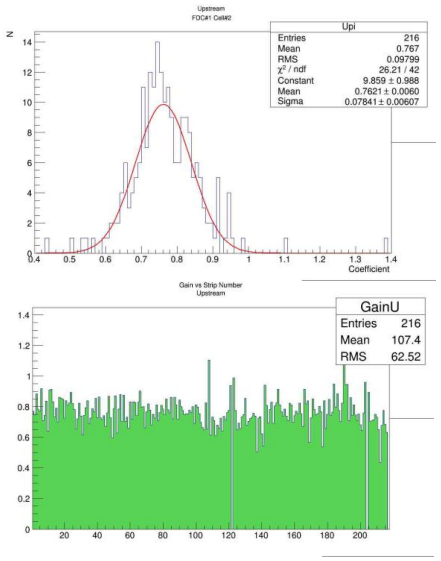


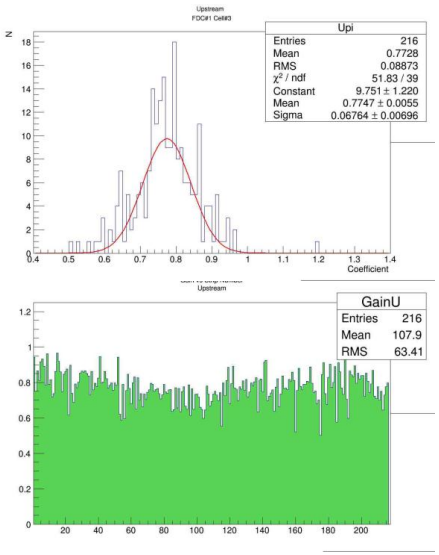


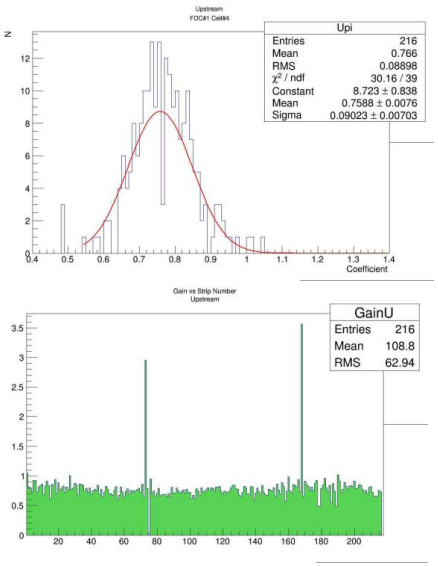


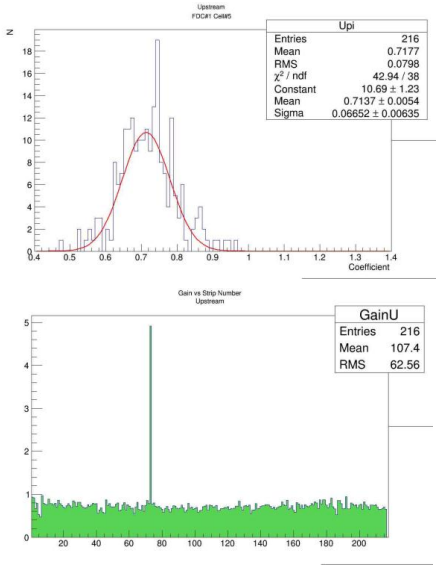
Cathode gain calibration

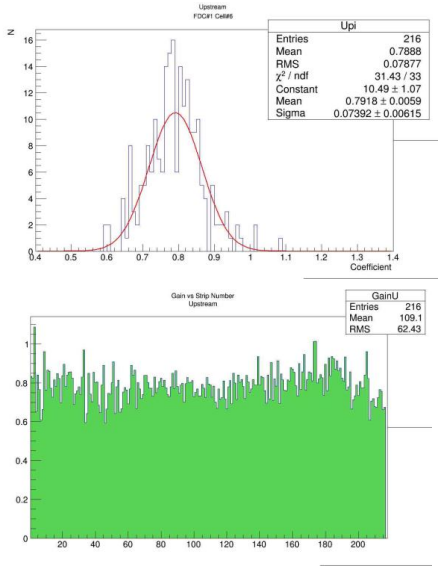
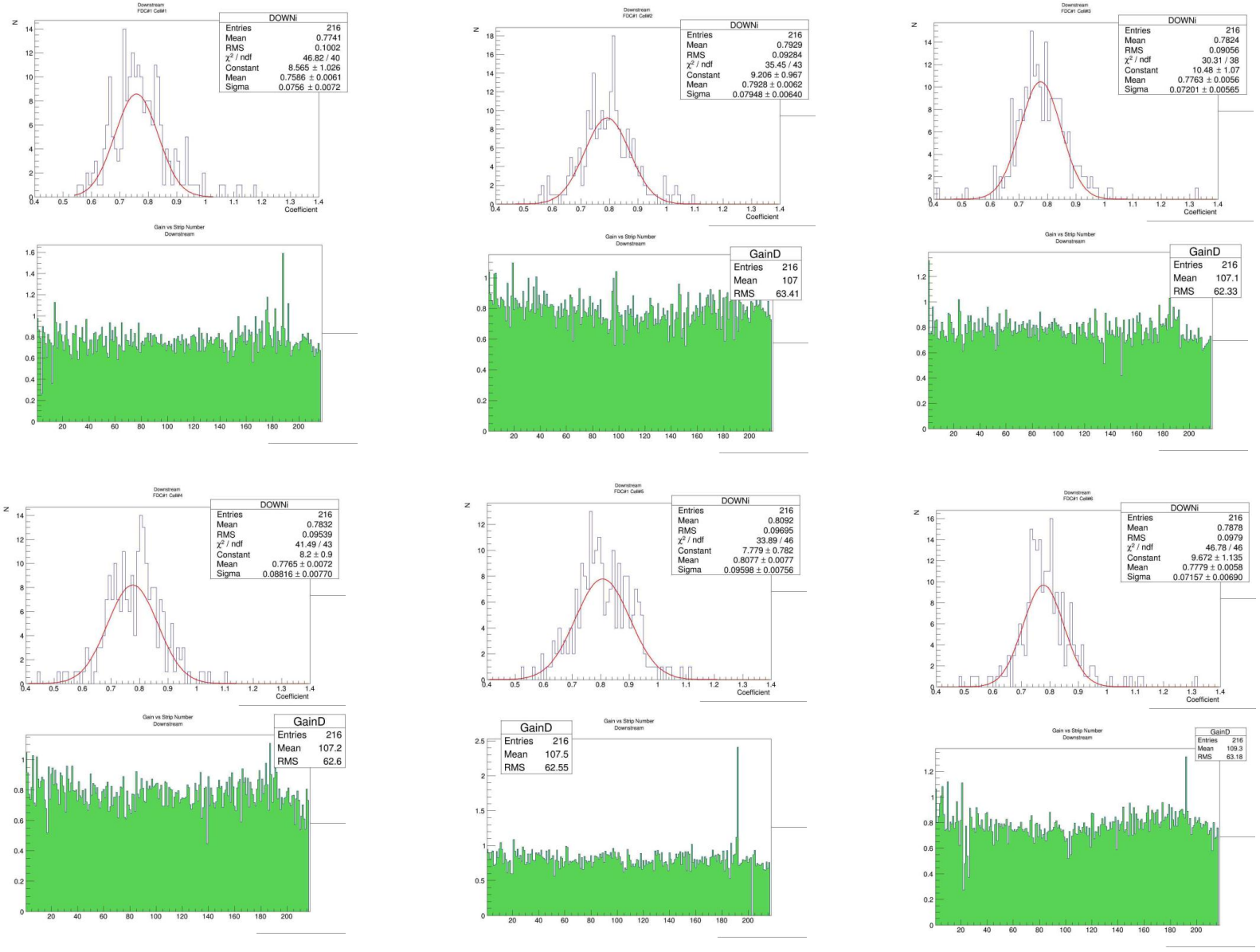












Cathode gain calibration