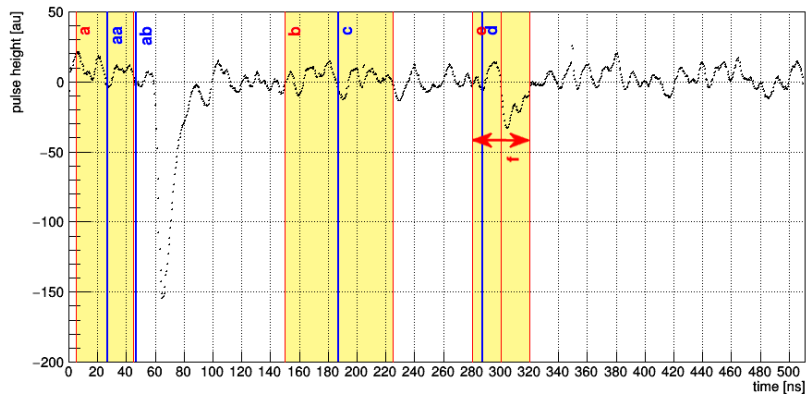


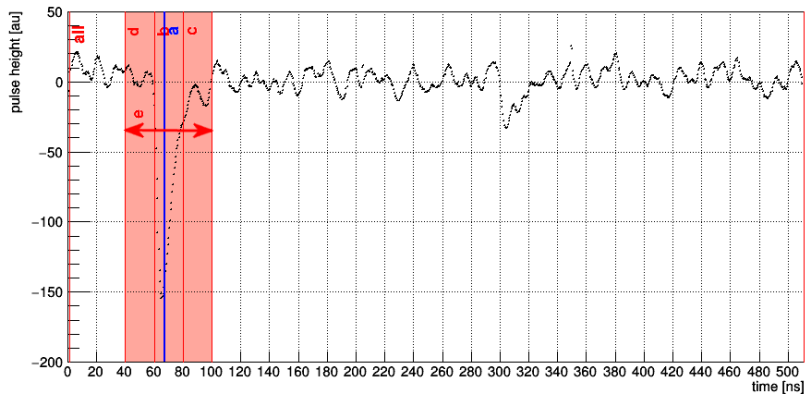
Preliminary Results of Pixel Detectors in 2015 PSI Testbeams

Michael Reichmann

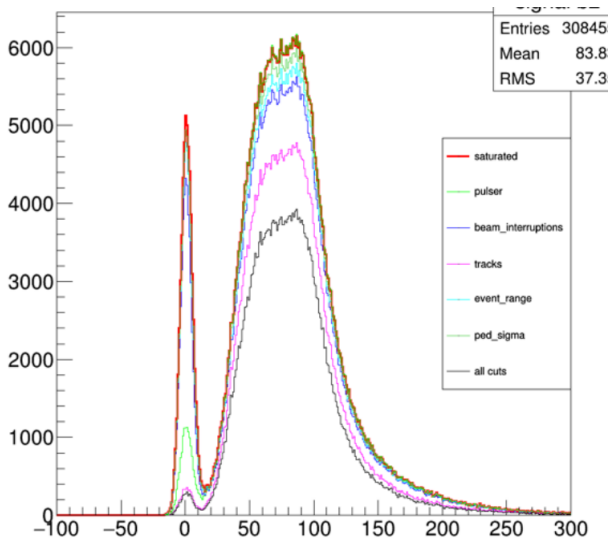
Pedestal Regions

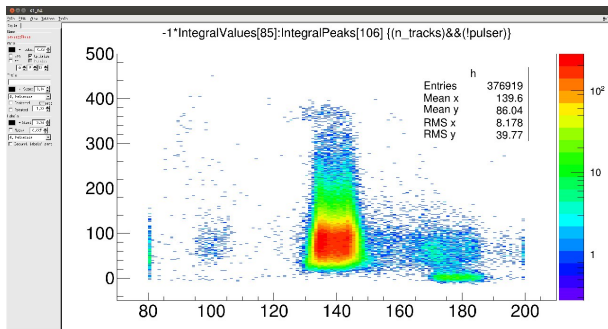


Signal Regions

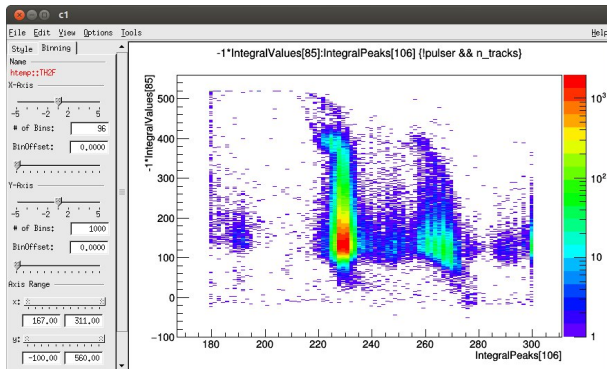


- Status a the last meeting

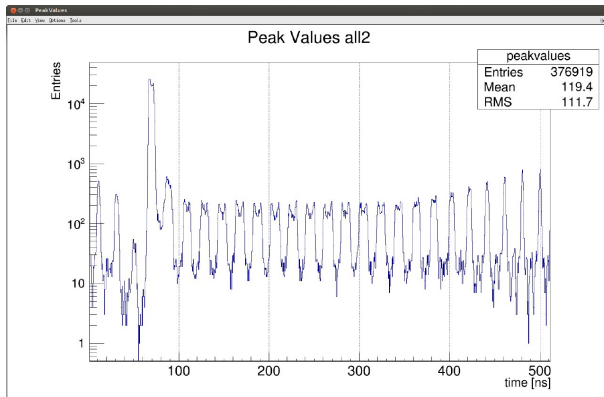




- second setup



- first setup

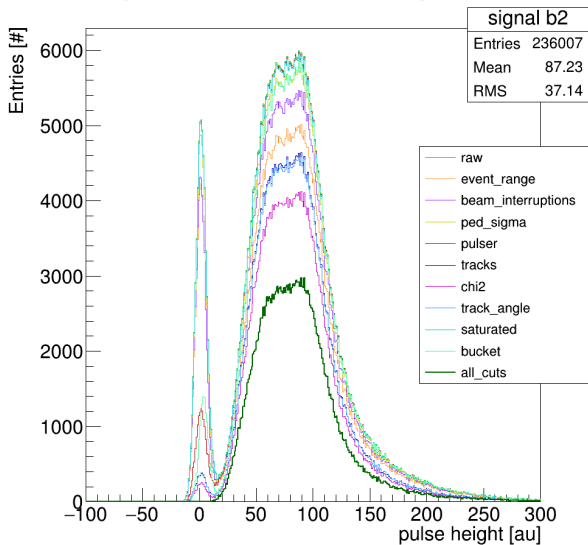


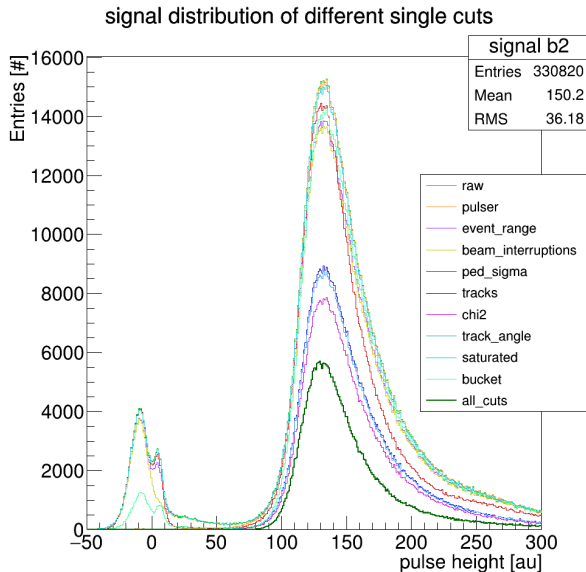
- first setup

Additional Cuts

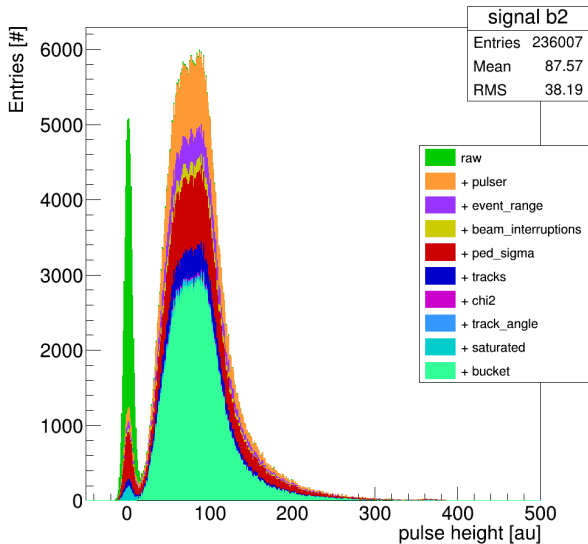
- chi2
 - ▶ `chi2_tracks < 29.499836262 && chi2_tracks >= 0`
- track angle
 - ▶ take only tracks in a certain angle range around the mean angle
 - ▶ `slope_x > -2.72731579593 && slope_x < 1.27268420407 && slope_y > -1.6885275642 && slope_y < 2.3114724358`
- bucket cut
 - ▶ take only events where the max in the signal region is higher than in the buckets in front and after the signal region
 - ▶ `-1 * IntegralValues[106] - -1 * IntegralValues[85] == 0`
 - ▶ improve cut: if max in bucket 1 or -1 is larger than in bucket 0, signal in bucket 0 has to be below a threshold (is ped event)
- add cut on pad region, landau gets more confined?

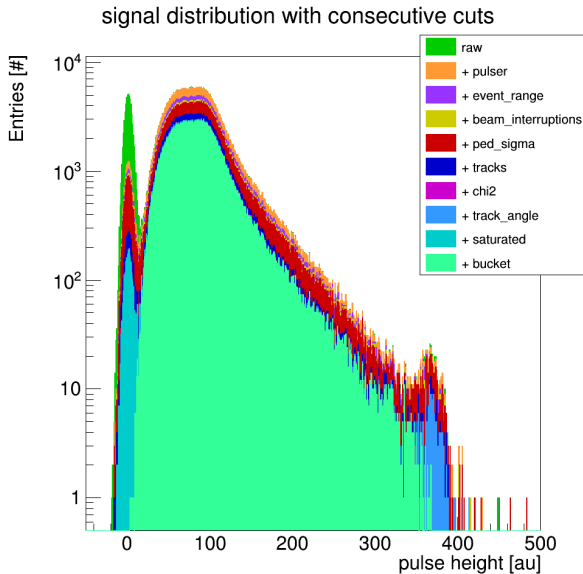
signal distribution of different single cuts



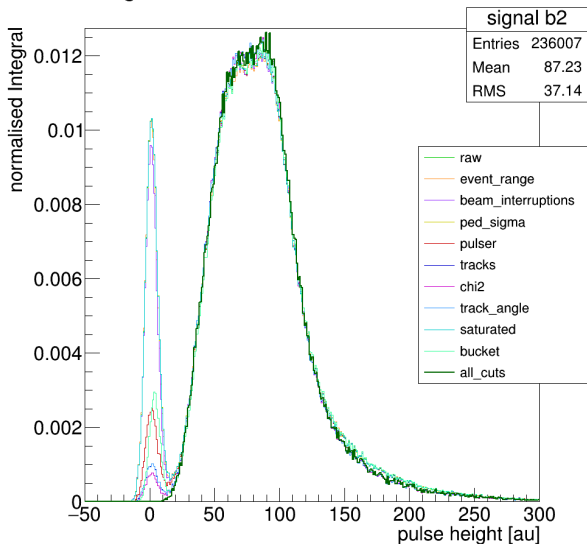


signal distribution with consecutive cuts

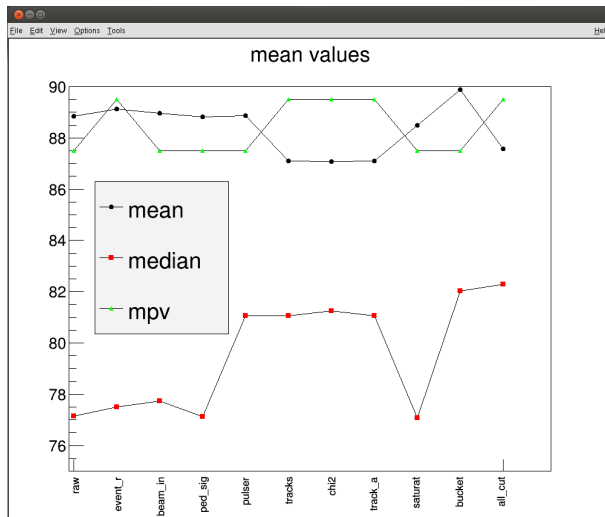




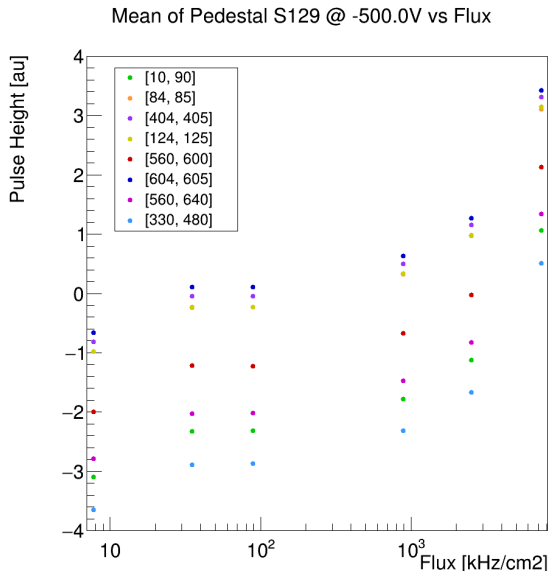
signal distribution with different cuts



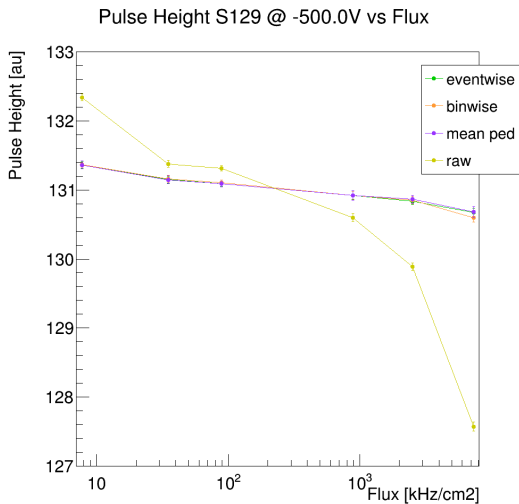
Landau attributes of different cuts



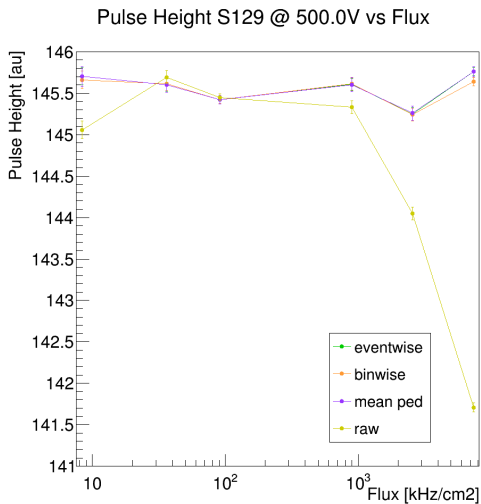
Pedestals of Different runs



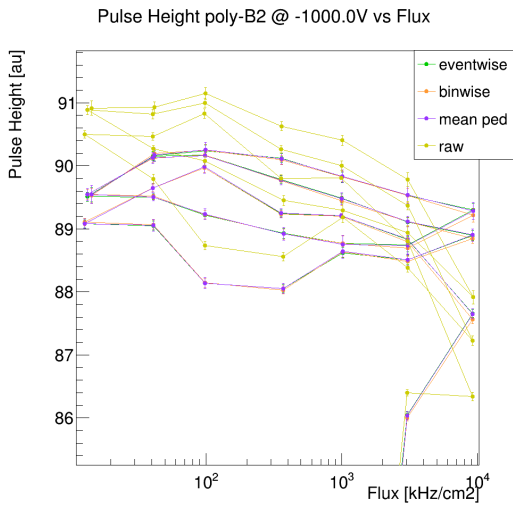
Signal S129



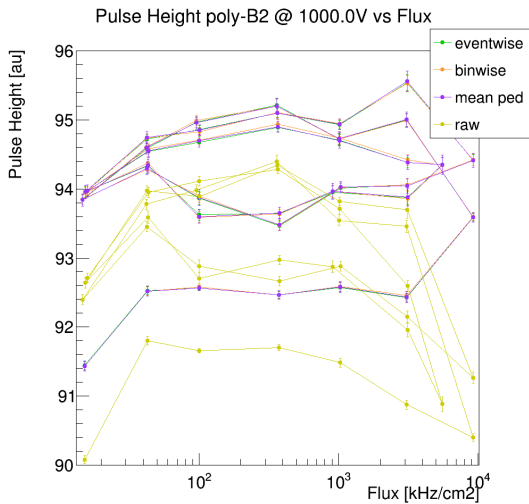
Signal S129



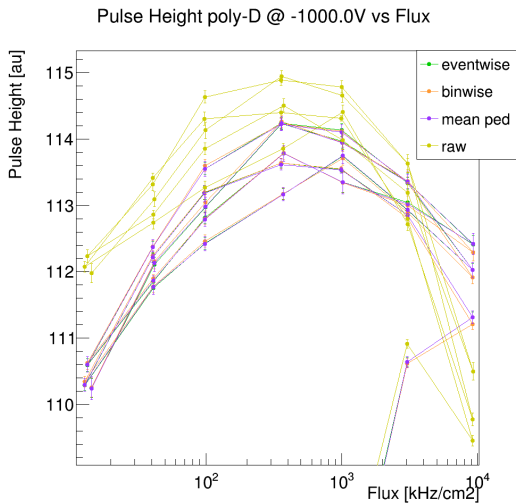
Signal B2



Signal B2



Signal Poly-D



Signal Poly-D

