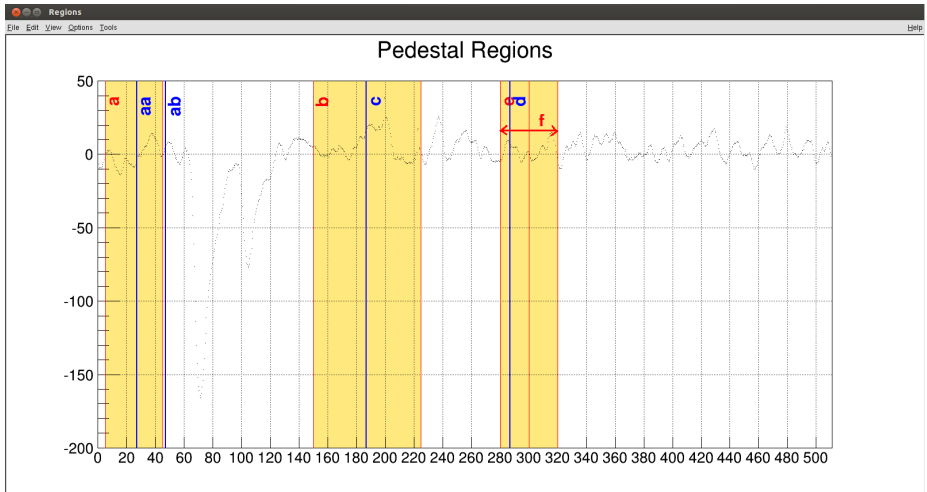
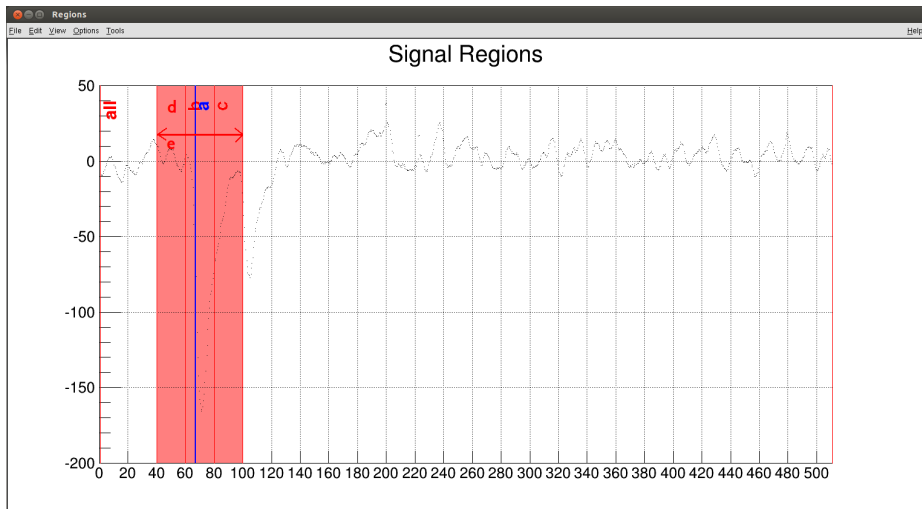


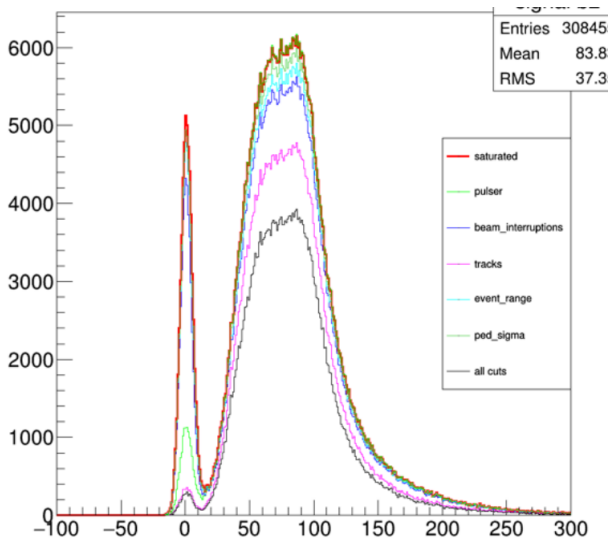
## Preliminary Results of Pixel Detectors in 2015 PSI Testbeams

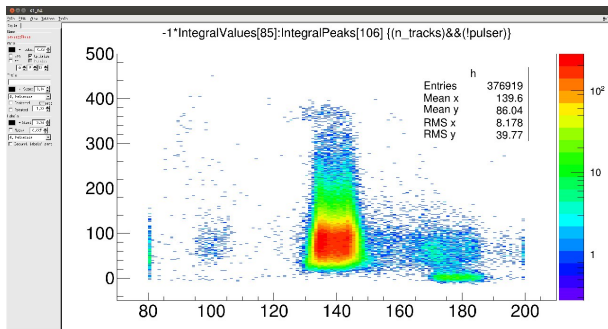
Michael Reichmann



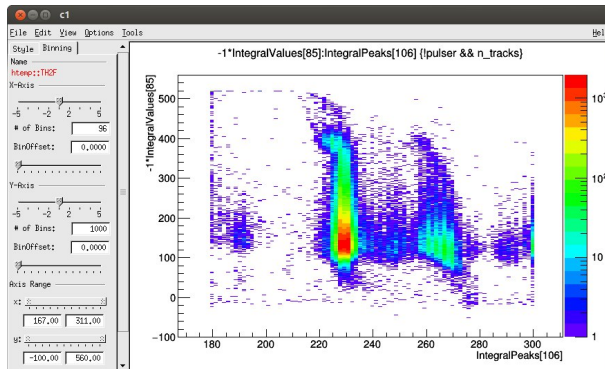


- Status a the last meeting

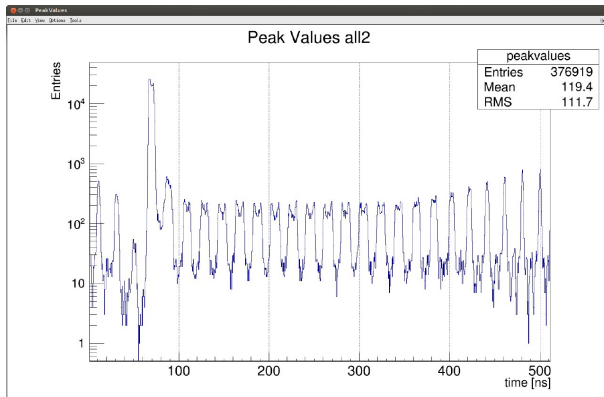




- second setup



- first setup



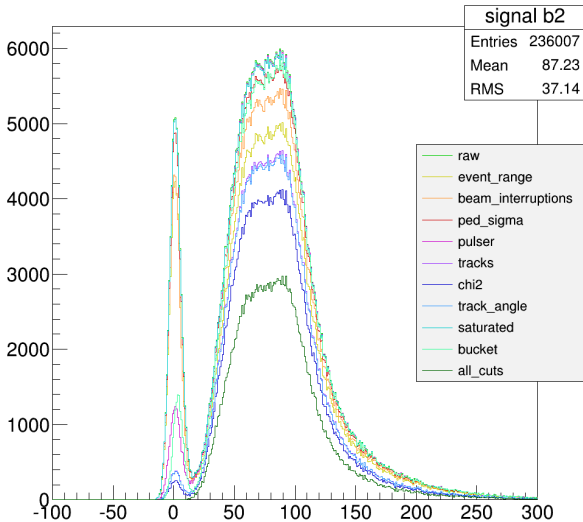
- first setup

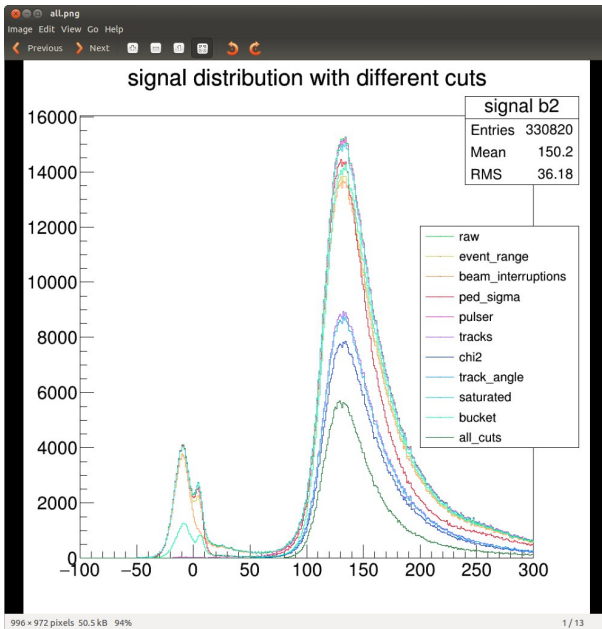
## Additional Cuts

- 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?

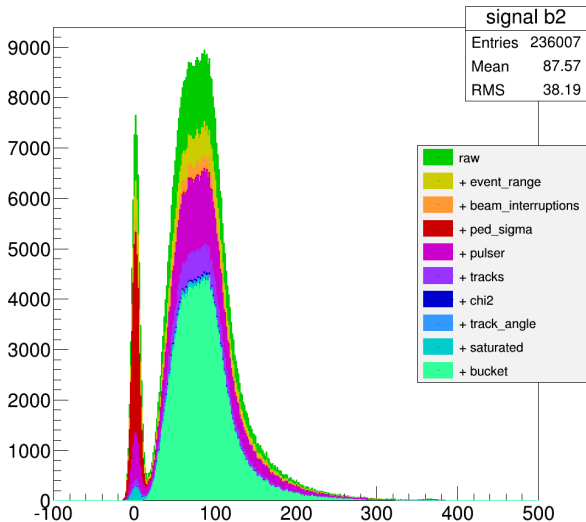


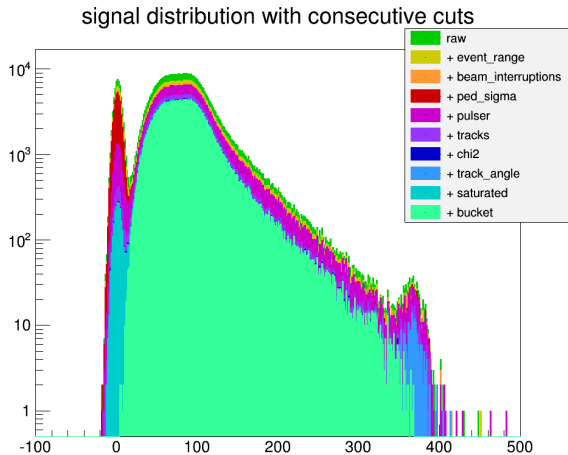
signal distribution with different cuts



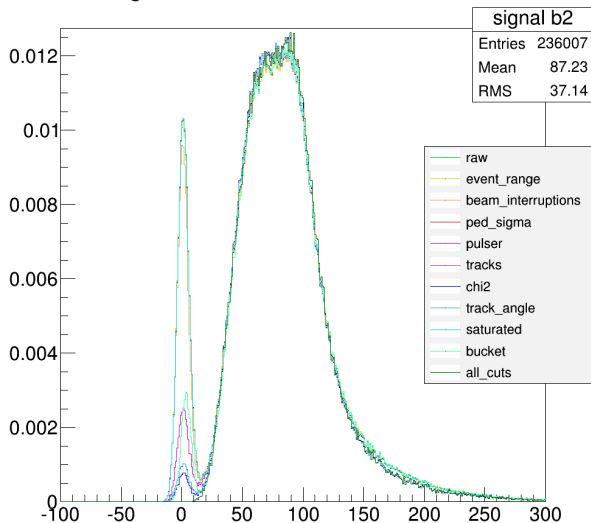


## signal distribution with consecutive cuts

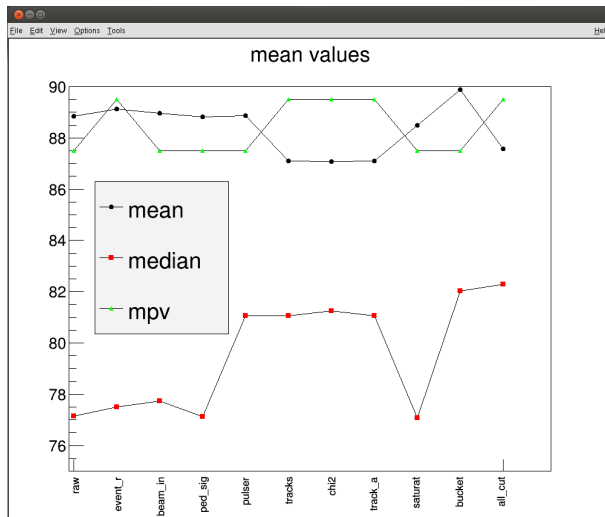




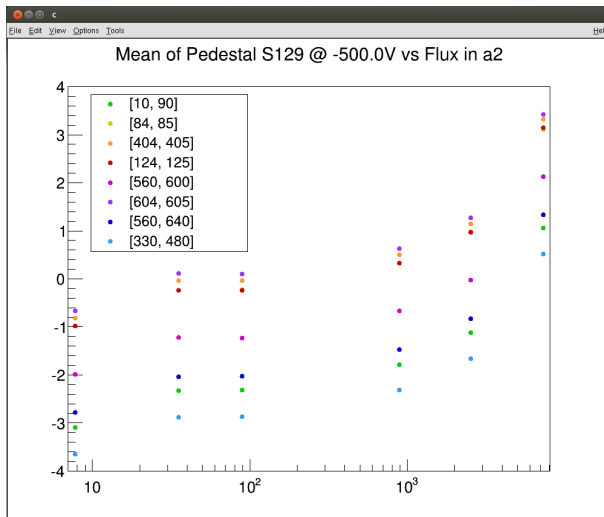
## signal distribution with different cuts



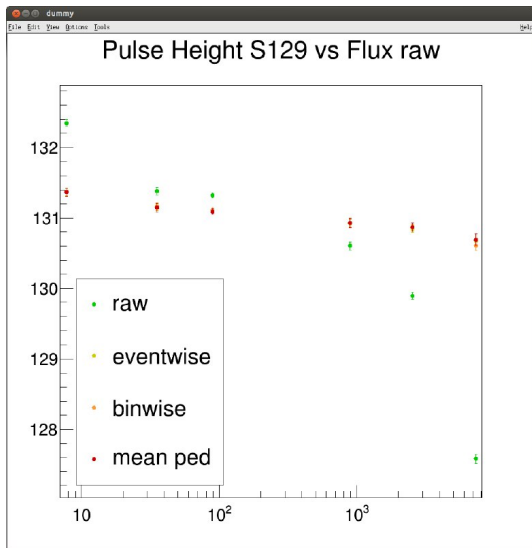
## Landau attributes of different cuts



# Pedestals of Different runs

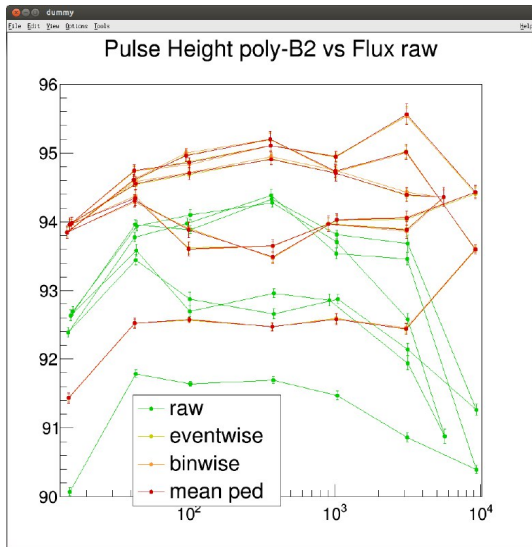


## Signal S129

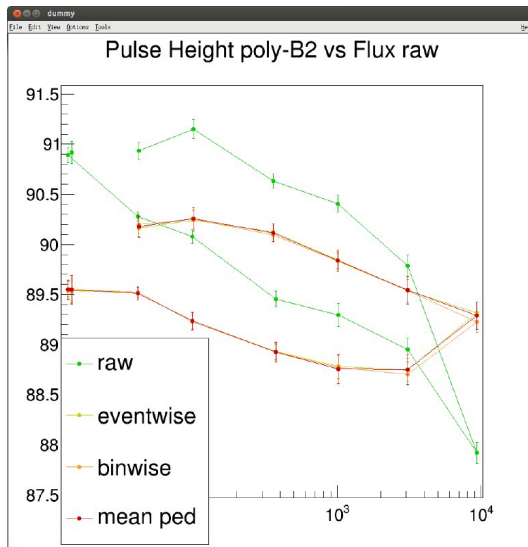




## Signal B2



## Signal B2



## Signal B2

