

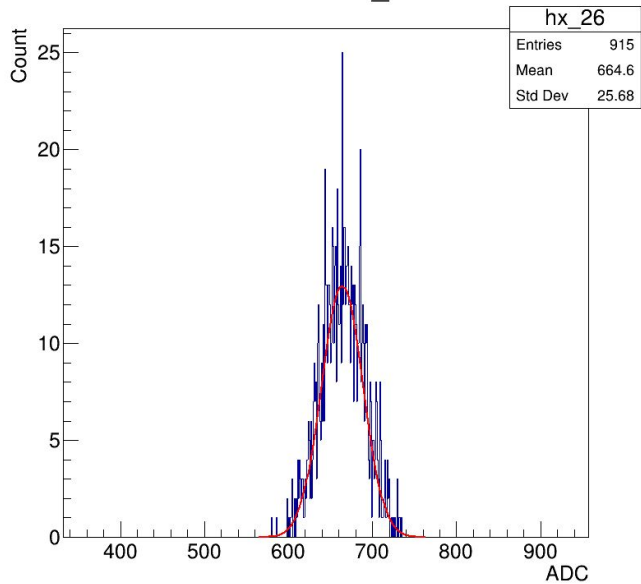
# SBU GEM update

Chandan Ghosh

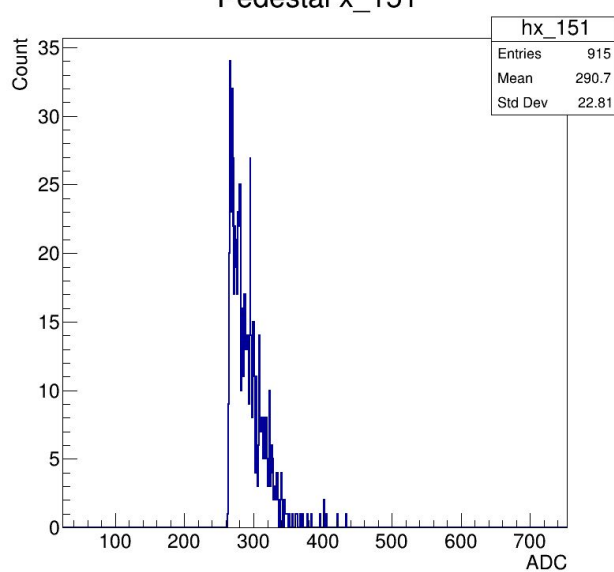
Oct 12th, 2018

# Pedestal

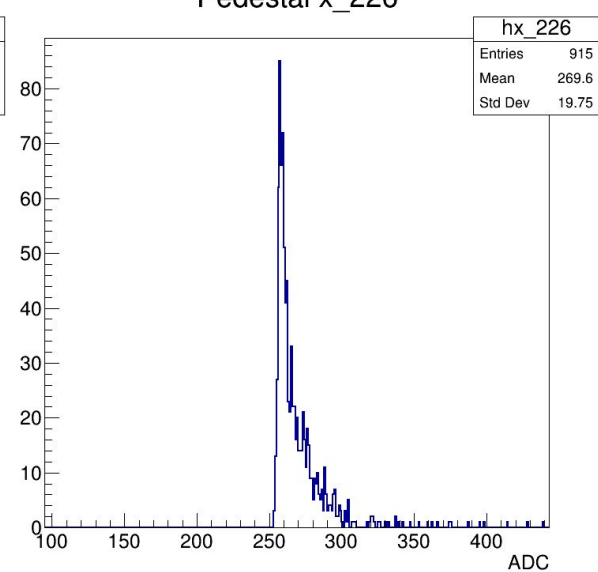
Pedestal x\_26



Pedestal x\_151



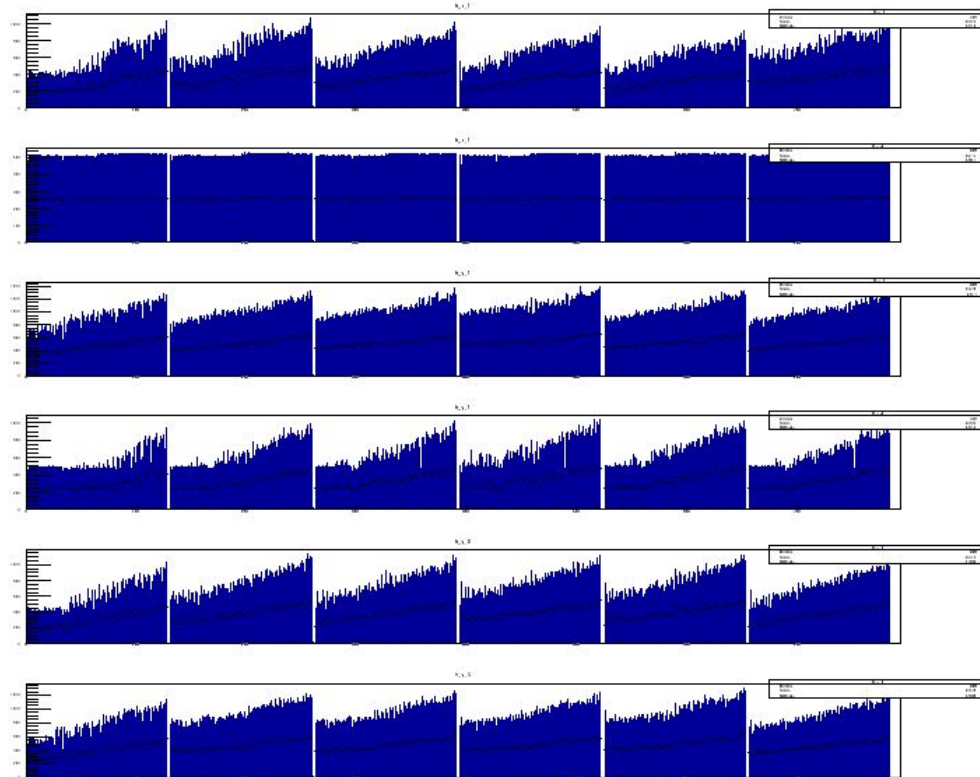
Pedestal x\_226



❖ Problem with the APV card

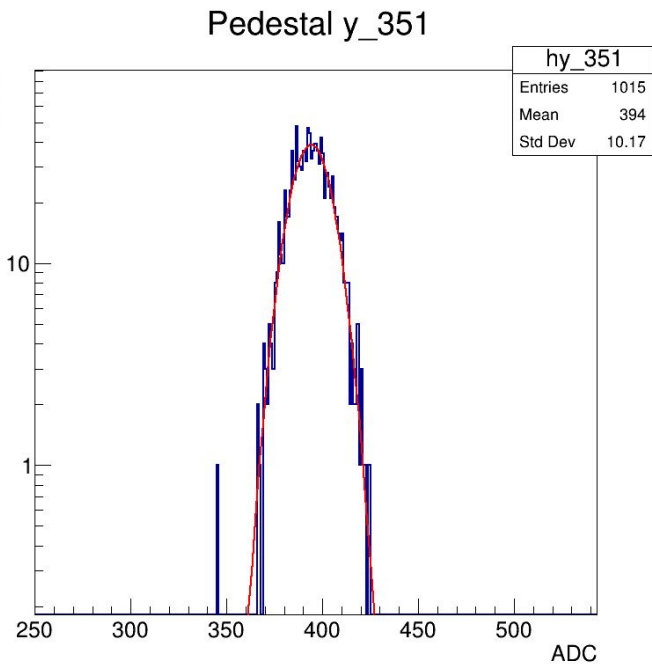
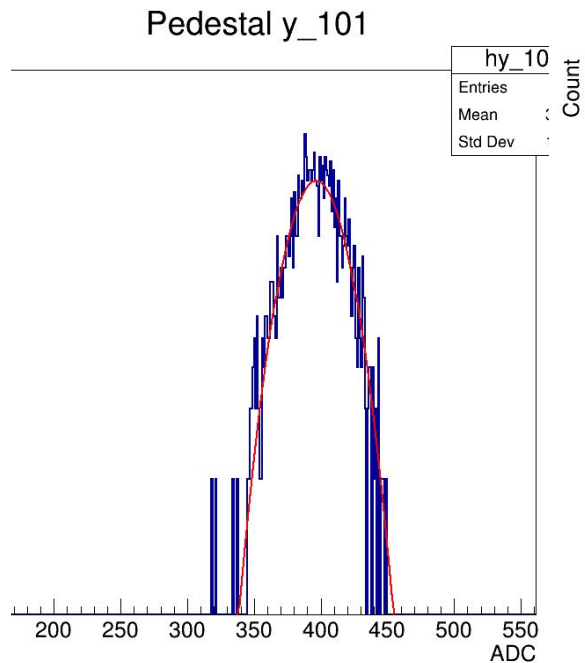
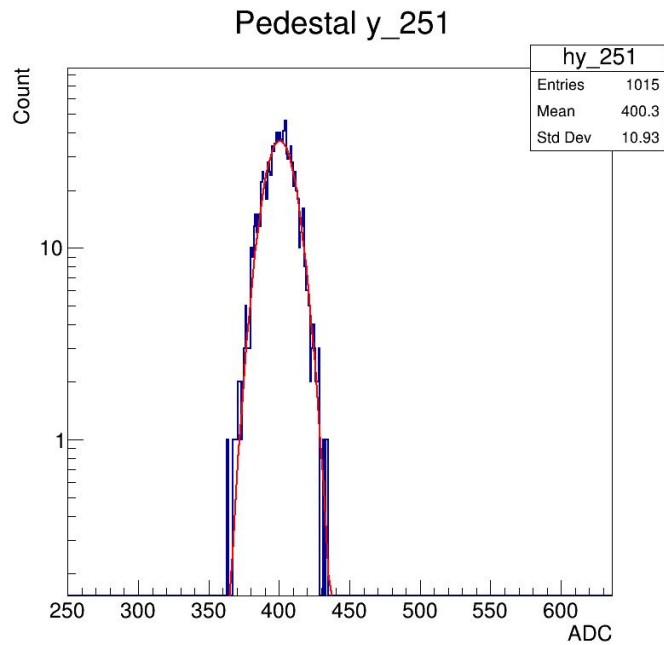
# Single Event

- ❖ Six samples for six APVs

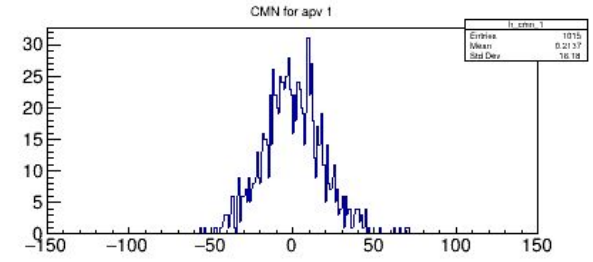
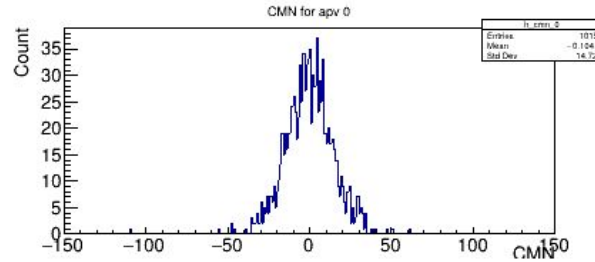


Problem with APV 2!!

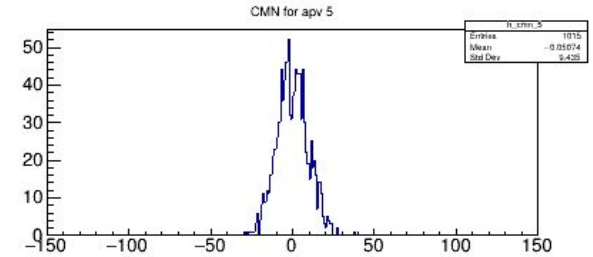
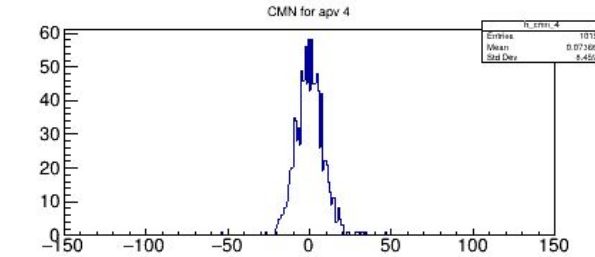
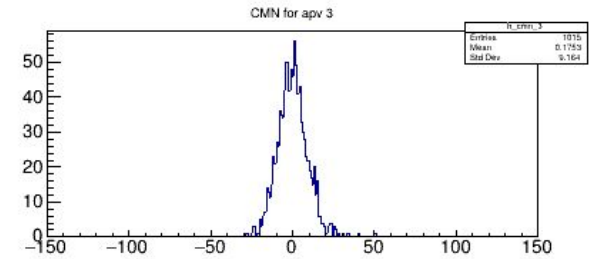
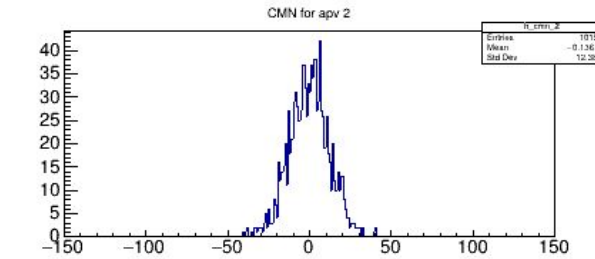
# Pedestal for long run ~ 1k events (run 589)



# CMN (589)

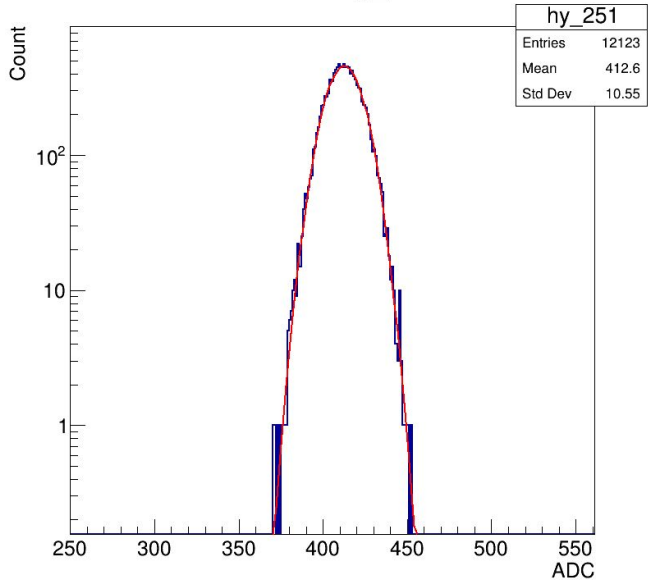


ADC values are sorted and from 28 -100 ADC values are used for CMN calculation

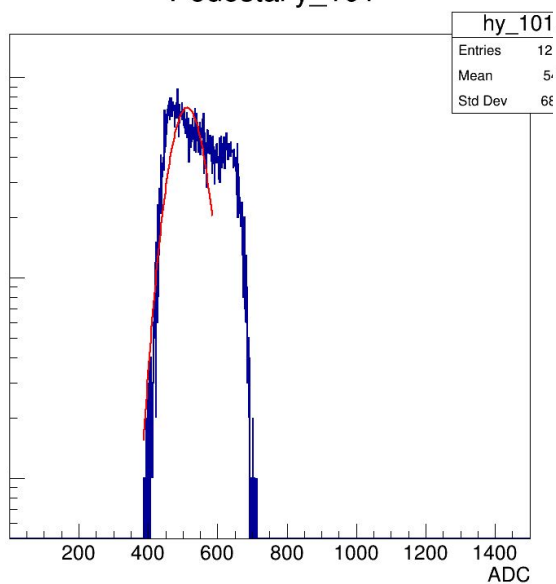


# Pedestal for long run ~ 10k events (590)

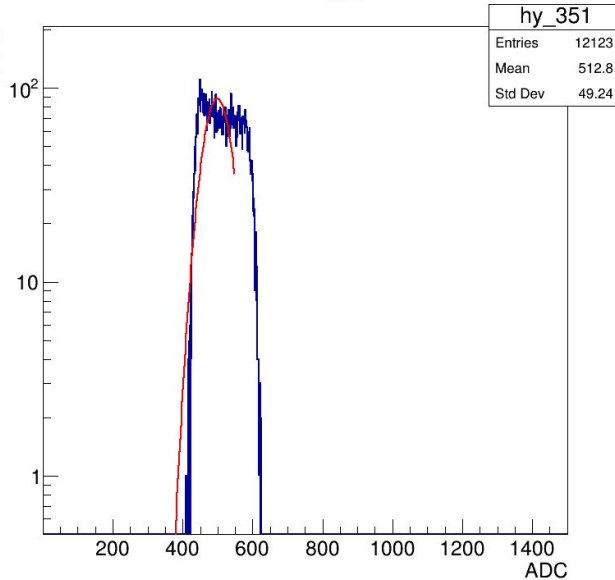
Pedestal y\_251



Pedestal y\_101

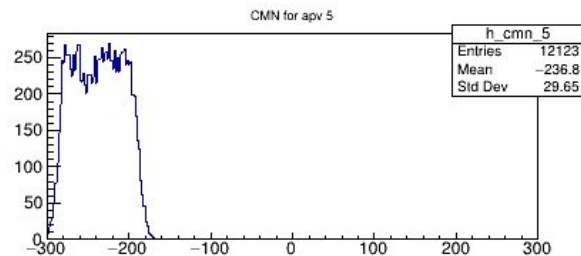
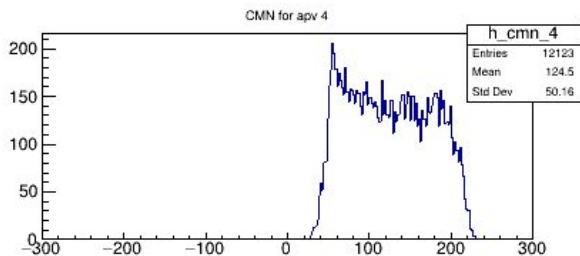
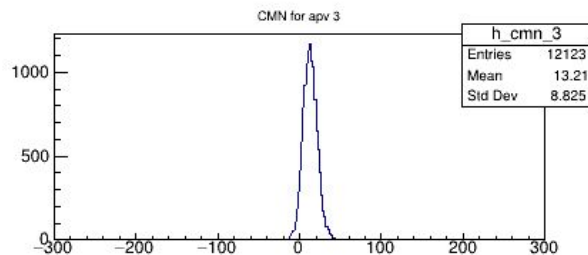
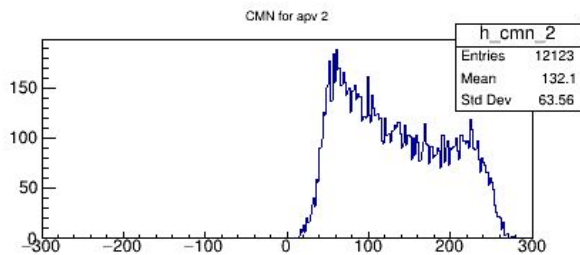
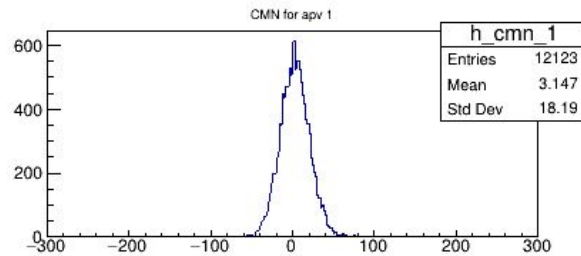
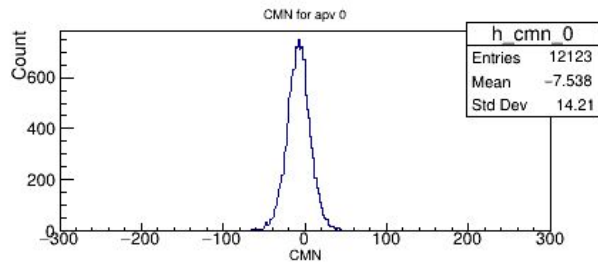


Pedestal y\_351



Pedestal shift a lot!!!

# CMN (590)



# MPD library debugging

With the new I2C library : First run has a wrong number of words..( tried many options -

1. Turn on ROC, turn on APV supply, execute 'download' once
2. Turn on APV supply, turn on ROC, execute 'download' once
3. Turn on ROC, turn on APV supply, execute 'download' twice

For all the above cases - wrong number of words in the first event!!