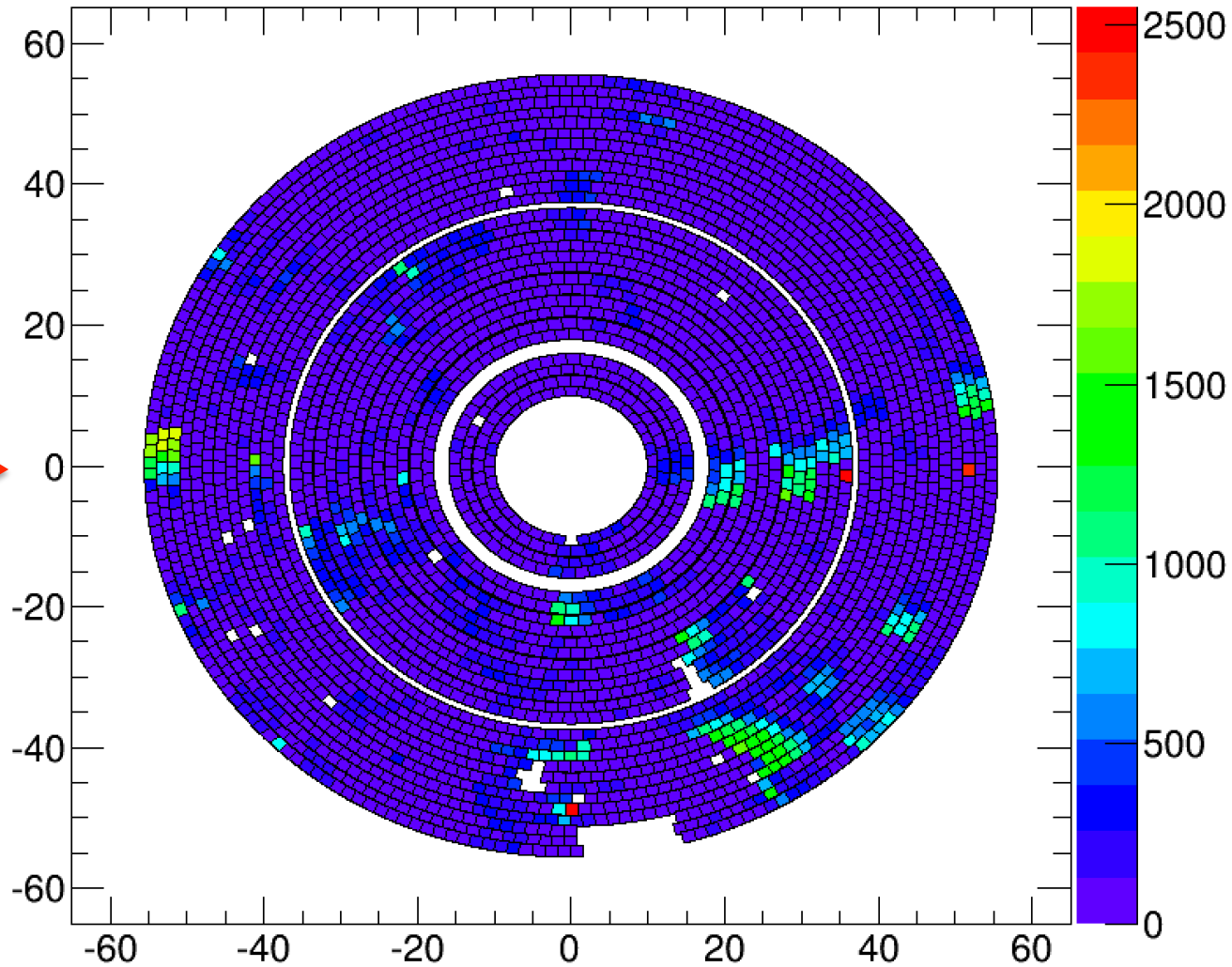# CDC Readout Issues

M. Staib

Returning to a plot from last week
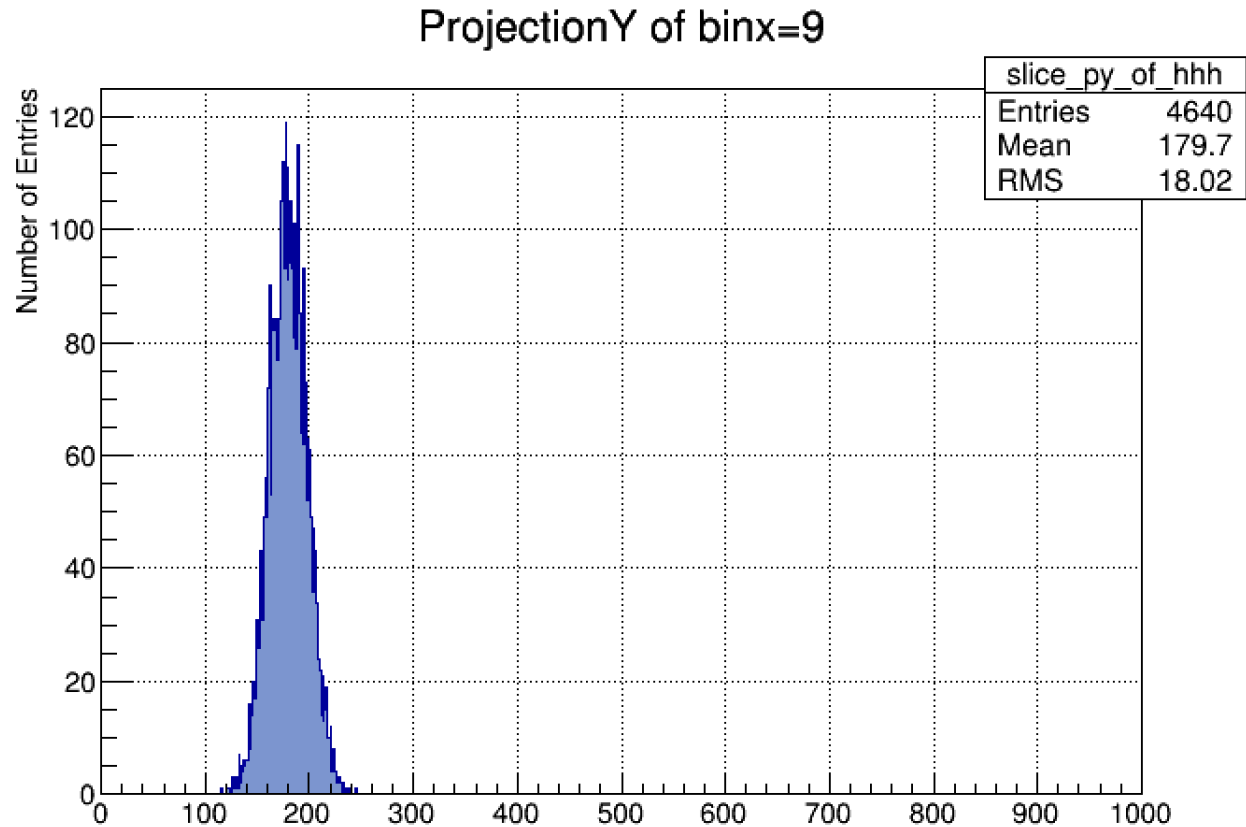

SigmaRange > 20 Width = 20

This is the number of events in which there are bursts of noise. 5.5k events total.

"Green" = ~ 25% of events

Looking at CDC from downstream towards upstream
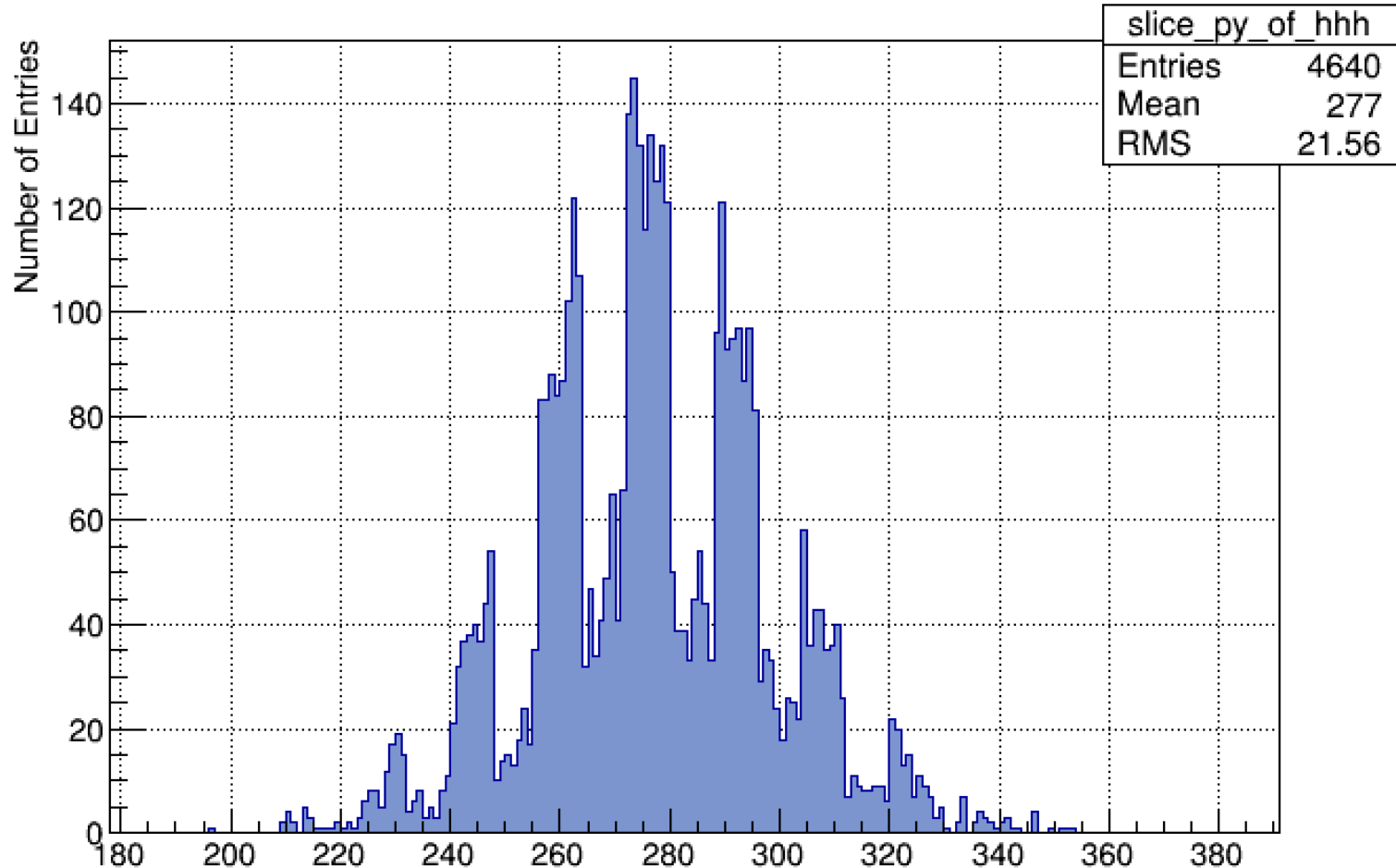
Missing bits

Electronic noise on a typical channel

Missing bits

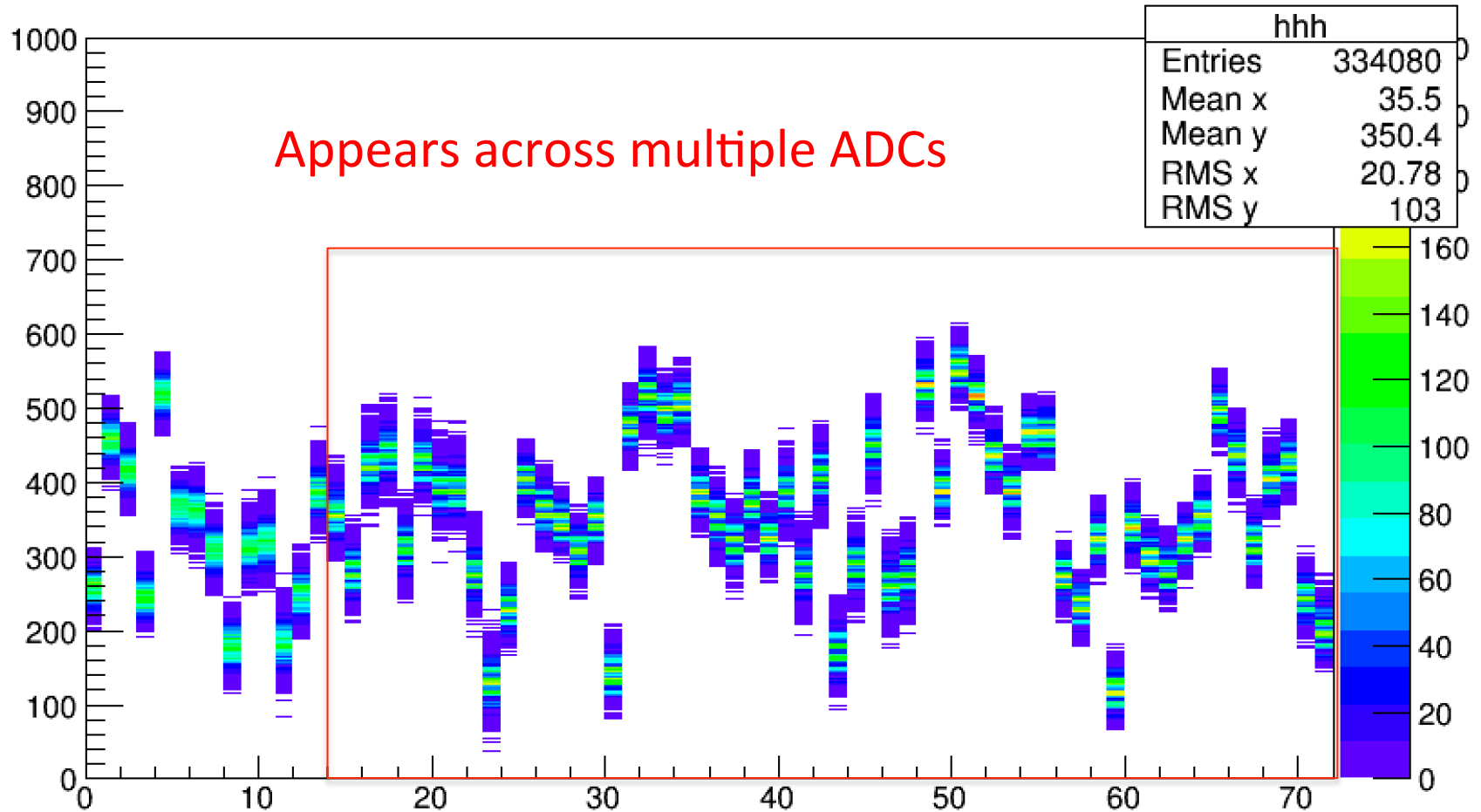Electronic noise with a sometimes stuck bit (?):

ProjectionY of binx=48

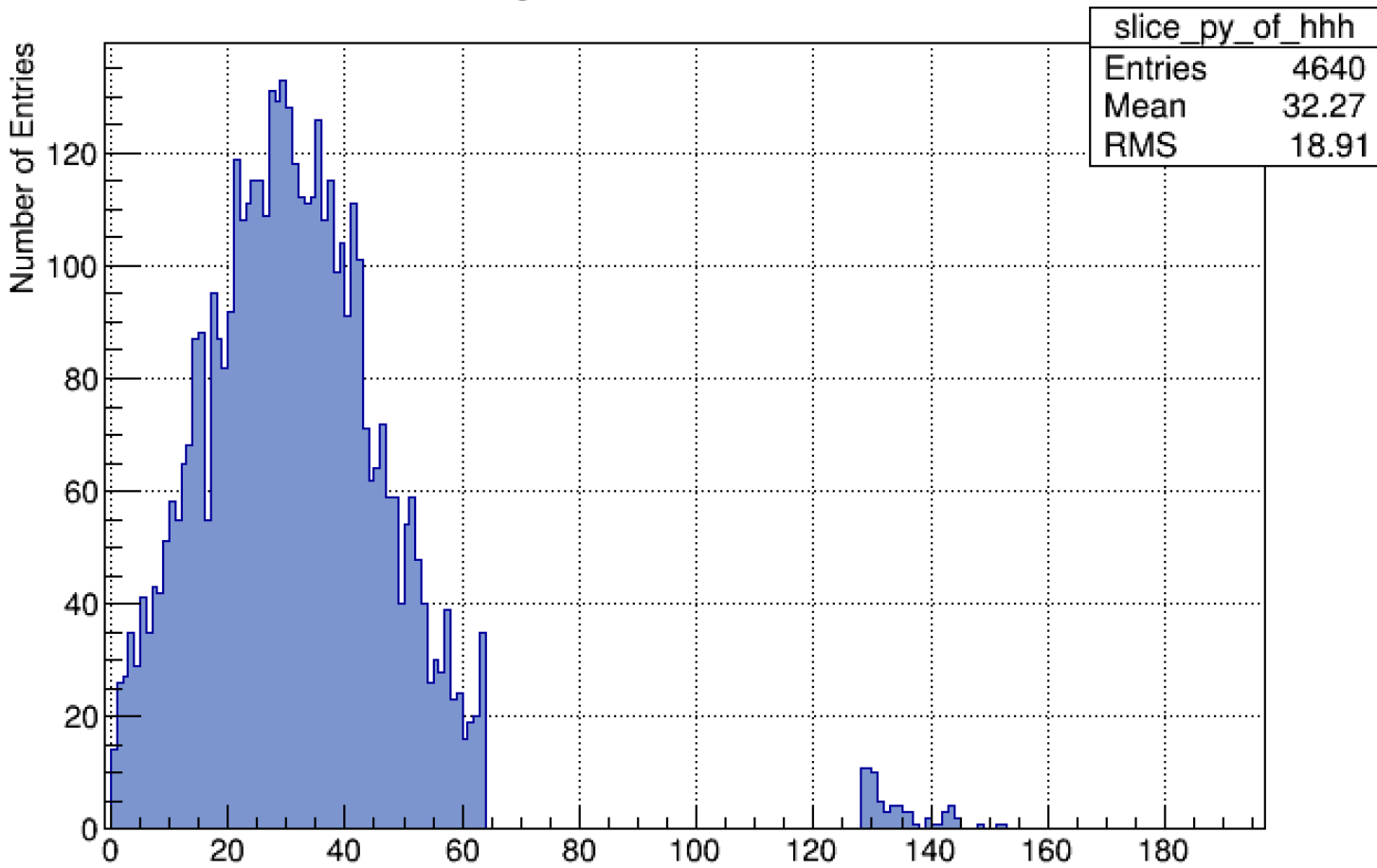# Missing bits

Electronic noise with a sometimes stuck bit (?):

sample:channel {rocid == 25 && slot == 4}

Appears across multiple ADCs

hhh	
Entries	334080
Mean x	35.5
Mean y	350.4
RMS x	20.78
RMS y	103

Missing bits

One channel where the bit is always stuck:
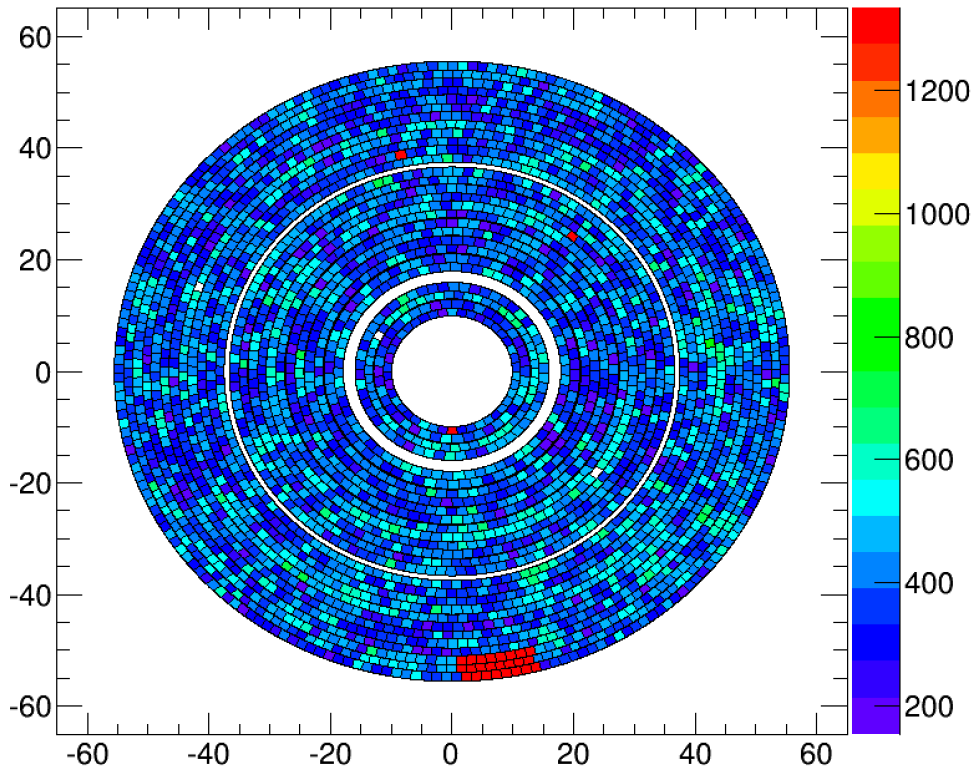

This time it is the only bad channel on the fADC

Pedestal Mean and RMS

Pedestal Mean (first 20 samples)

Pedestal RMS (first 20 samples)