Measuring Pedestal Mean and Width with the DAQ

Manuel Lara

January 27, 2014

Took data on the North side crate with nsample = 100 (20000) using two DAC setting:
DAQ Setting for file 51:
DAC = 3300, TET = 10, PED = 10

DAQ Setting for file 52:
DAC = 3200, TET = 10, PED = 10

Using these two files I calculated the required DAC value such that the mean for every channel is 100.
Below are a some results for Crate 0 Slot 3
Crate 0
FADC250_SLOTS 3
FADC250_ALLCH_DAC 3387.319271 3390.909727 3399.698236 3383.945242 3395.084773 3406.861061 3392.157630 3391.024556 3390.322243 3393.770801 3379.917293 3385.509379 3384.196628 3390.137760 3381.595076 3387.936300

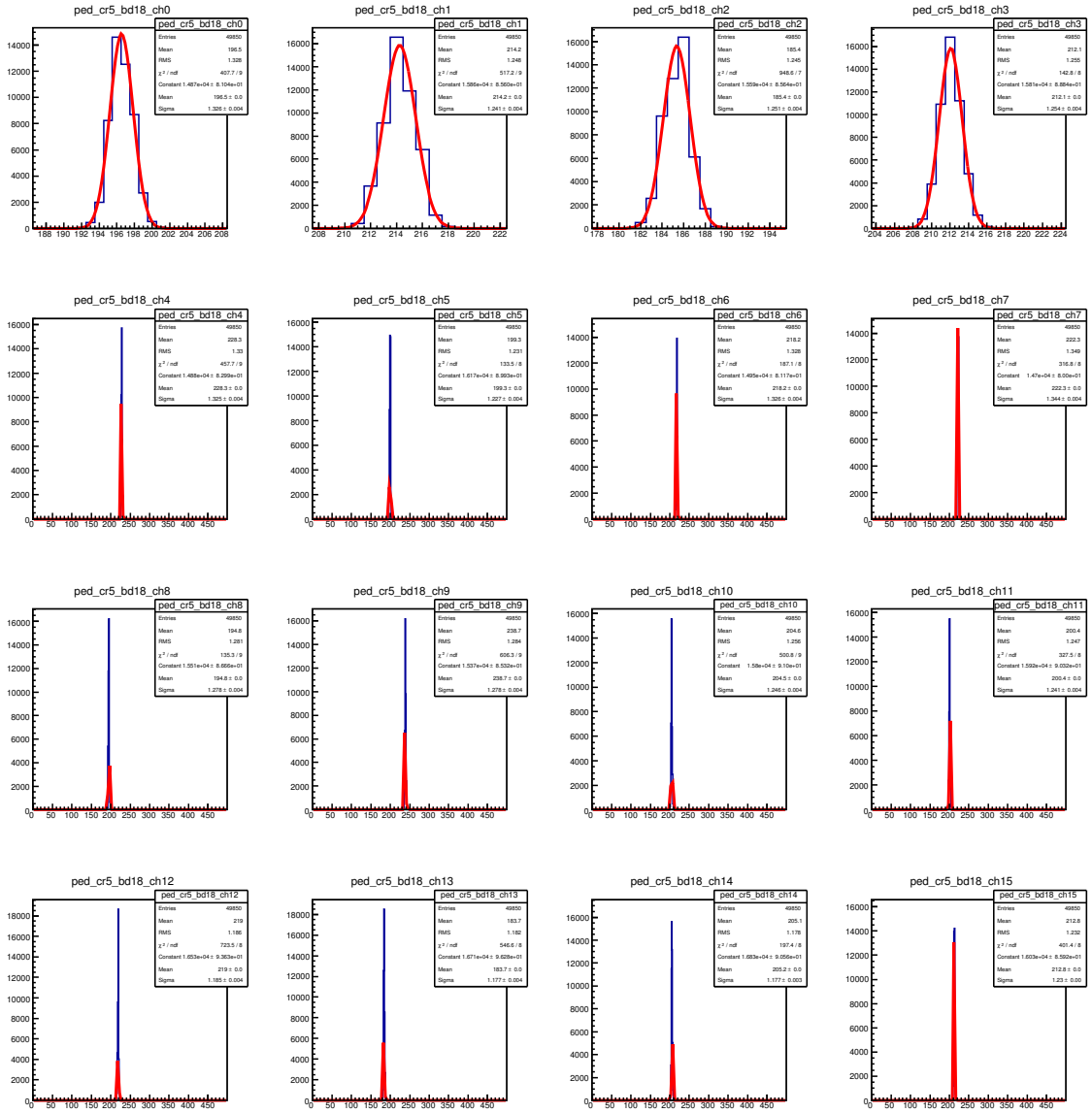

Figure 1: DAQ Setting: DAC = 3300, TET = 10, PED = 10

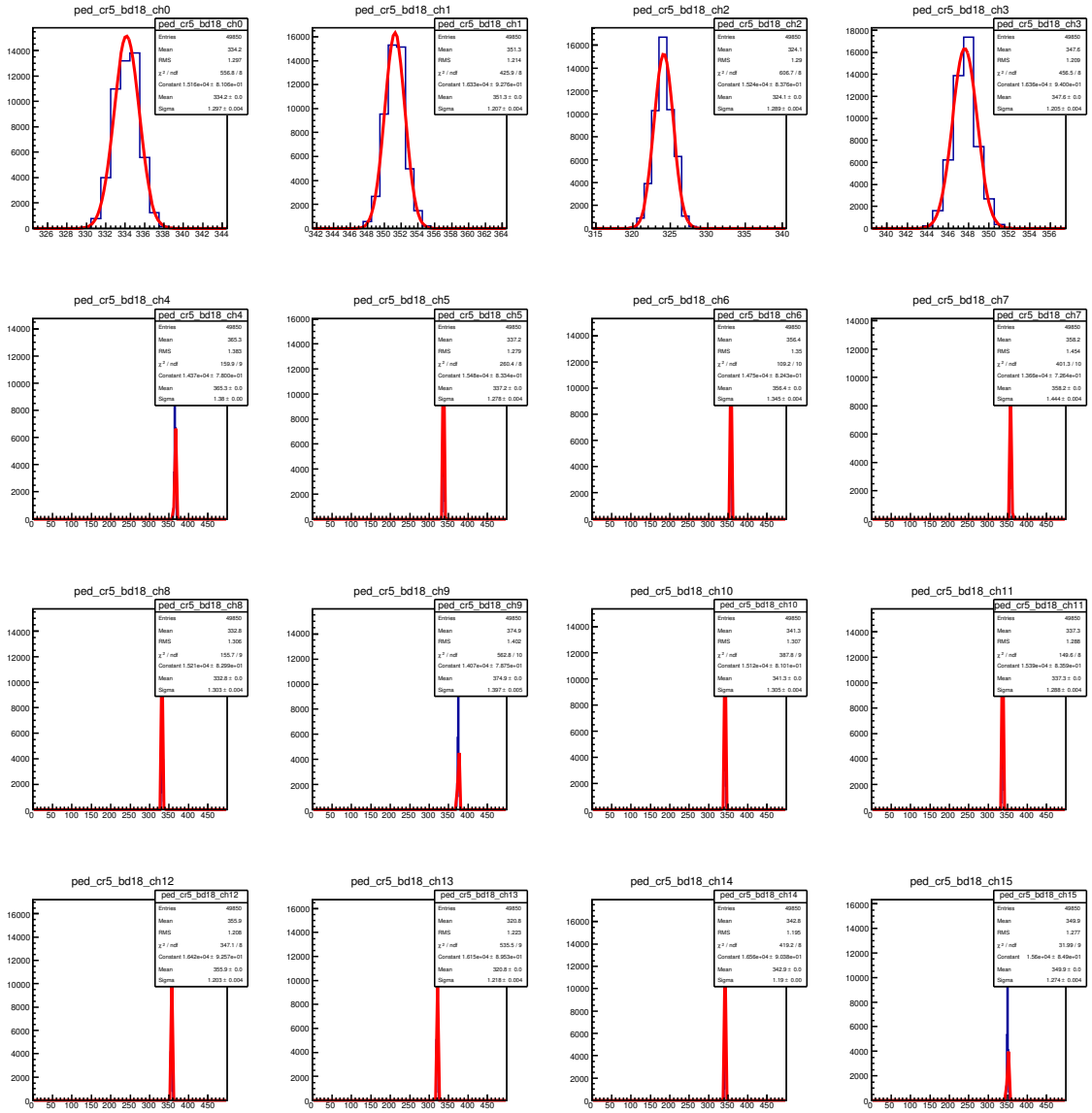

Figure 2: DAQ Setting: DAC = 3200, TET = 10, PED = 10

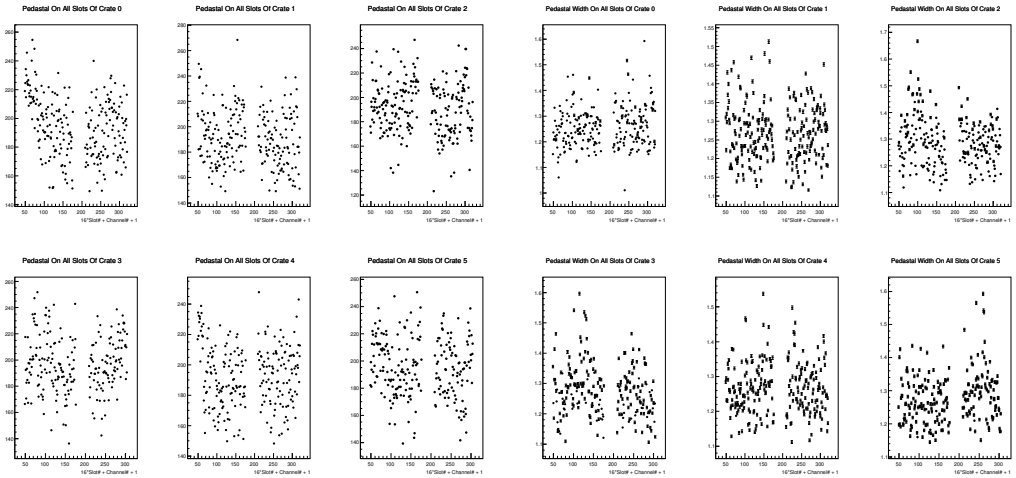

Figure 3: DAQ Setting: DAC = 3300, TET = 10, PED = 10

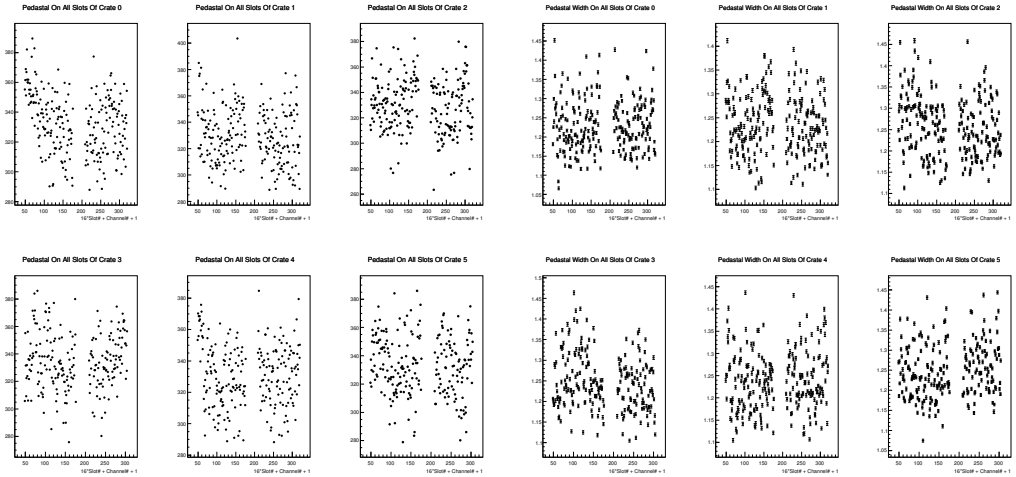

Figure 4: DAQ Setting: DAC = 3200, TET = 10, PED = 10

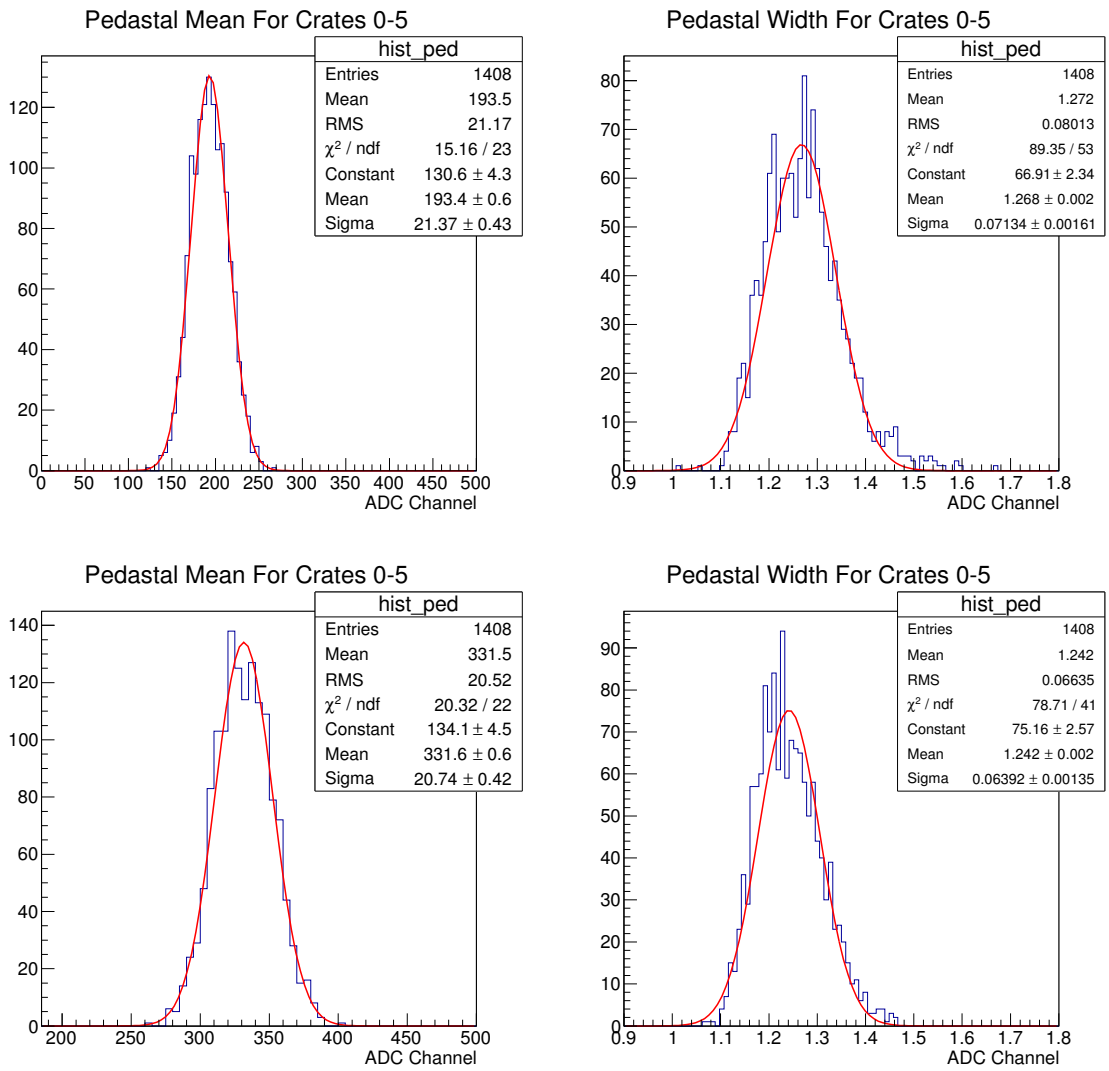

Figure 5: DAQ Setting: (Top) DAC = 3300, TET = 10, PED = 10
(Bottom) DAC = 3200, TET = 10, PED = 10