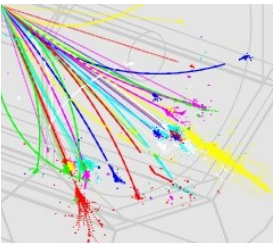


More TPAC 1.1 Items

Marcel Stanitzki
RAL 16.01.2009



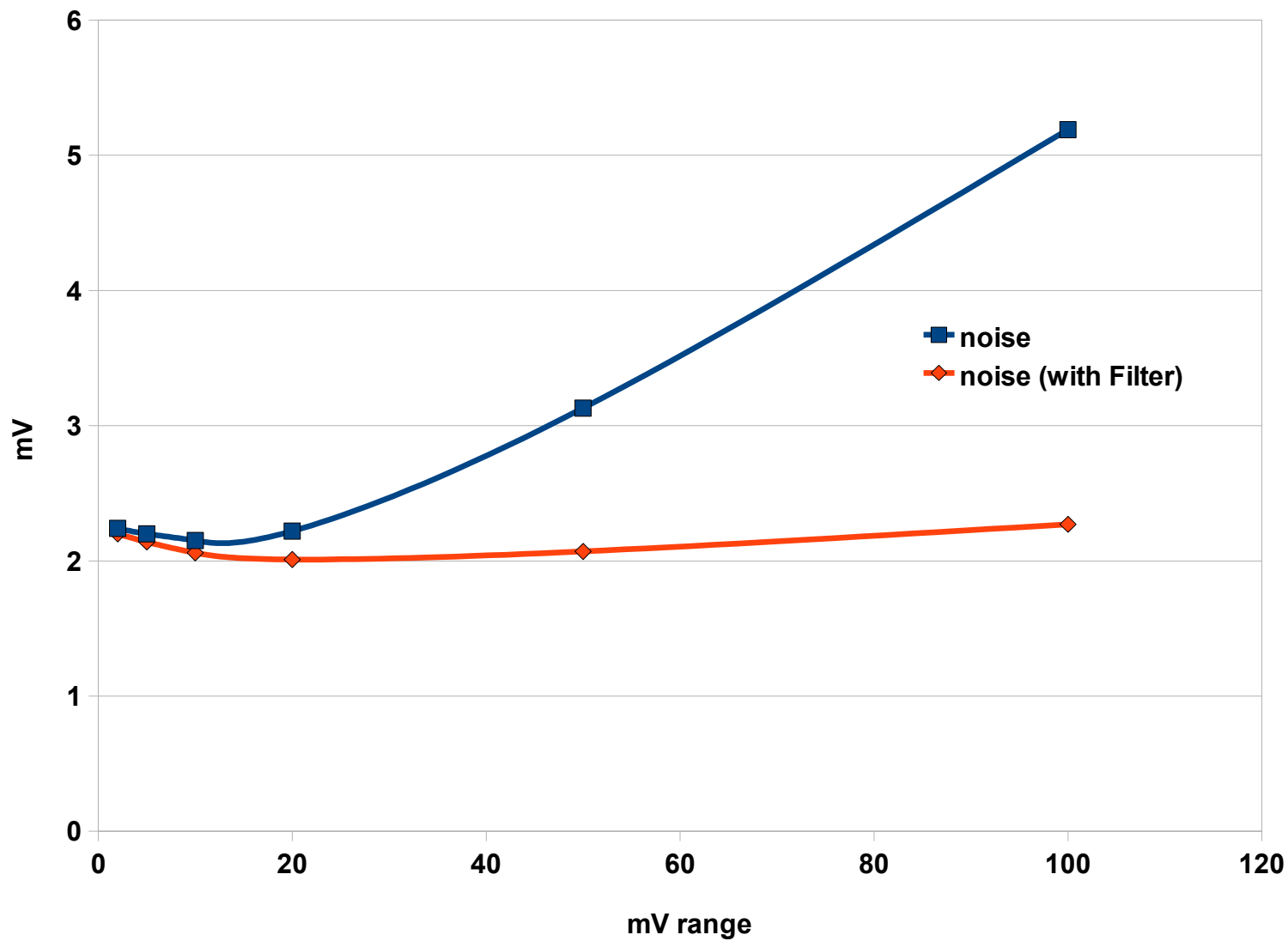
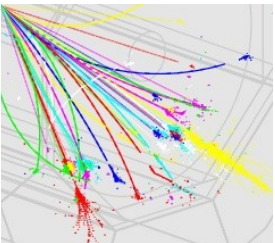


Measuring Noise

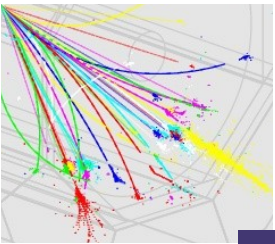
- Some funny effects noted
 - Noise measurement dependent on Voltage range
- We always measured with the same setting
 - the noise (few mv)
 - the signal 50 mV or more



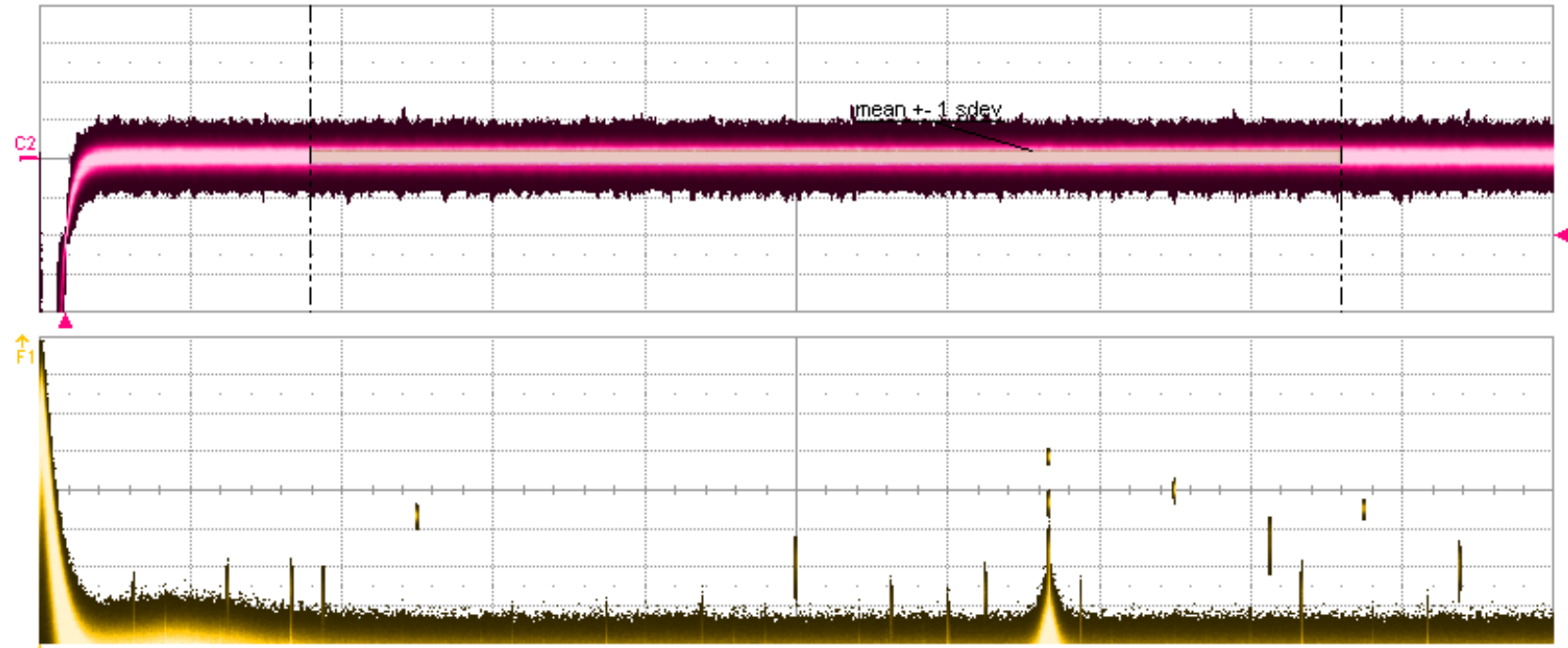
This is what you get ...



Running the FFT



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help Zoom Undo



Measure	P1:rms(C2)	P2:sdev(C2)	P3:rms(F1)	P4:ampl(C2)	P5:width(C1)	P6:x@max(F1)
value	2.27 mV	2.23 mV				375.33 MHz
mean	2.1570 mV	2.1541 mV				335.2514 MHz
min	1.75 mV	1.74 mV				294.78 MHz
max	2.61 mV	2.60 mV				375.47 MHz
sdev	127.6 μ V	130.4 μ V				23.2422 MHz
num	2.823e+3	2.823e+3				748.613e+3
status	✓	✓				✓



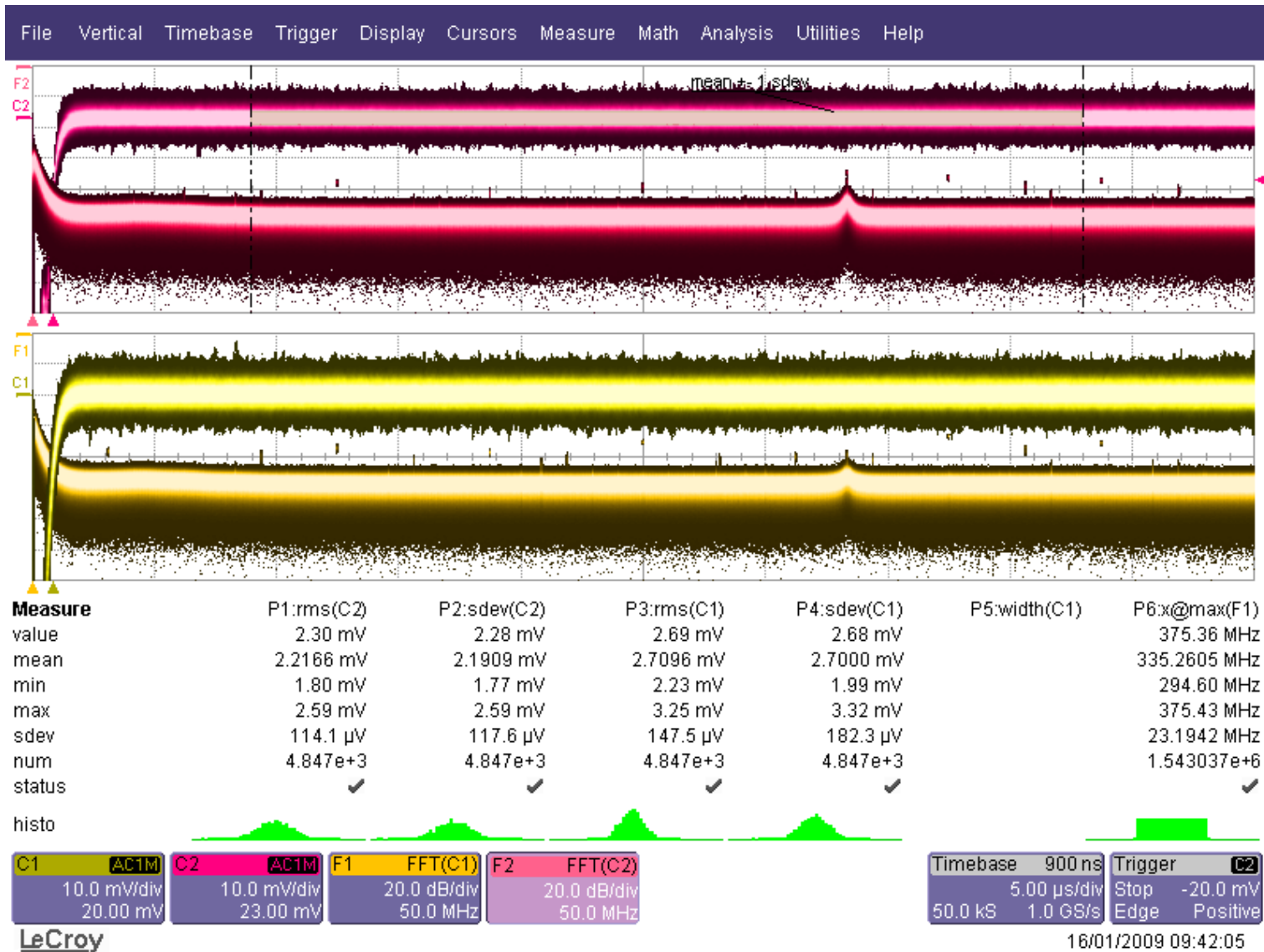
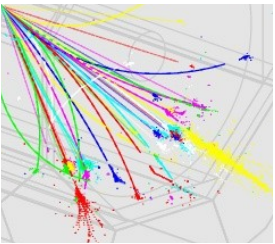
C2 AC1M 10.0 mV/div 0.00 mV ofst
 F1 FFT(C2) 5.00 dB/div 50.0 MHz

Timebase 900 ns 5.00 μ s/div 50.0 kS 1.0 GS/s
 Trigger C2 Norm. -20.0 mV Edge Positive

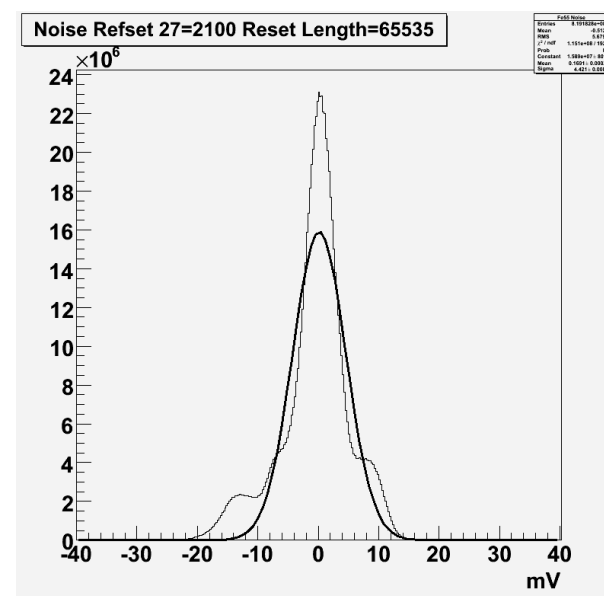
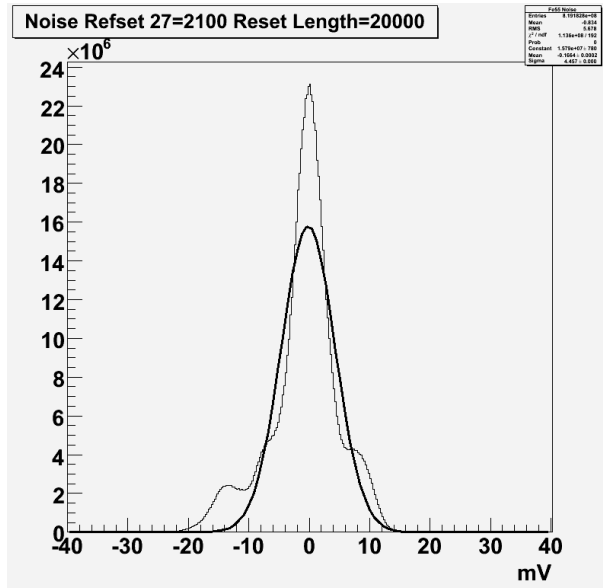
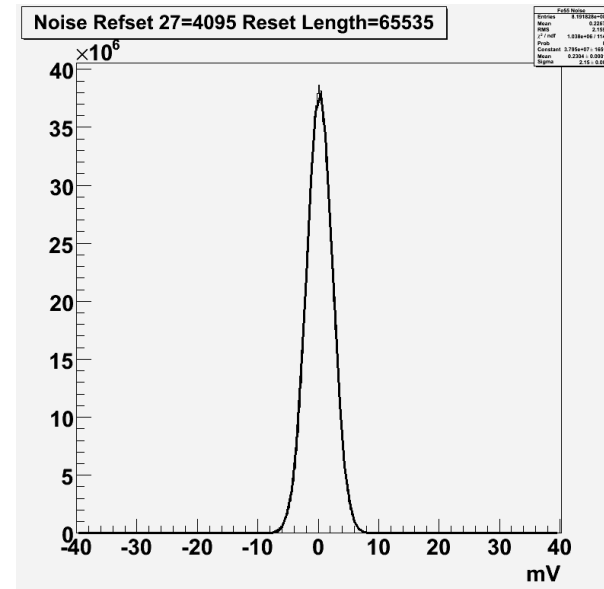
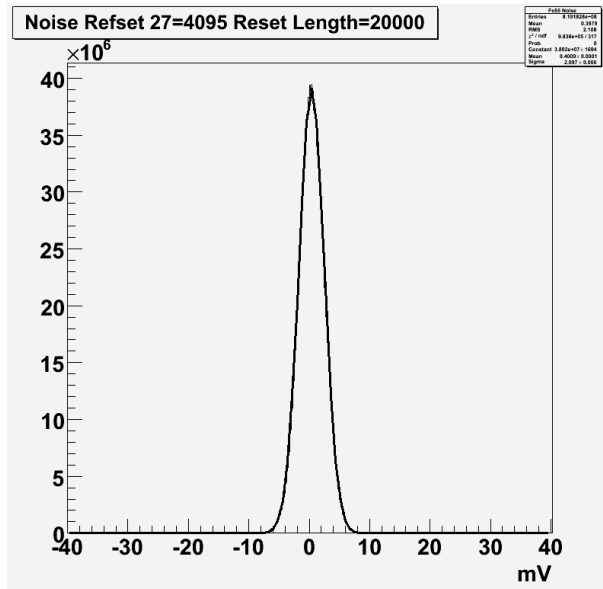
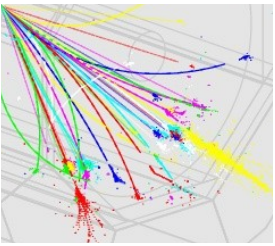
LeCroy

15/01/2009 16:16:34

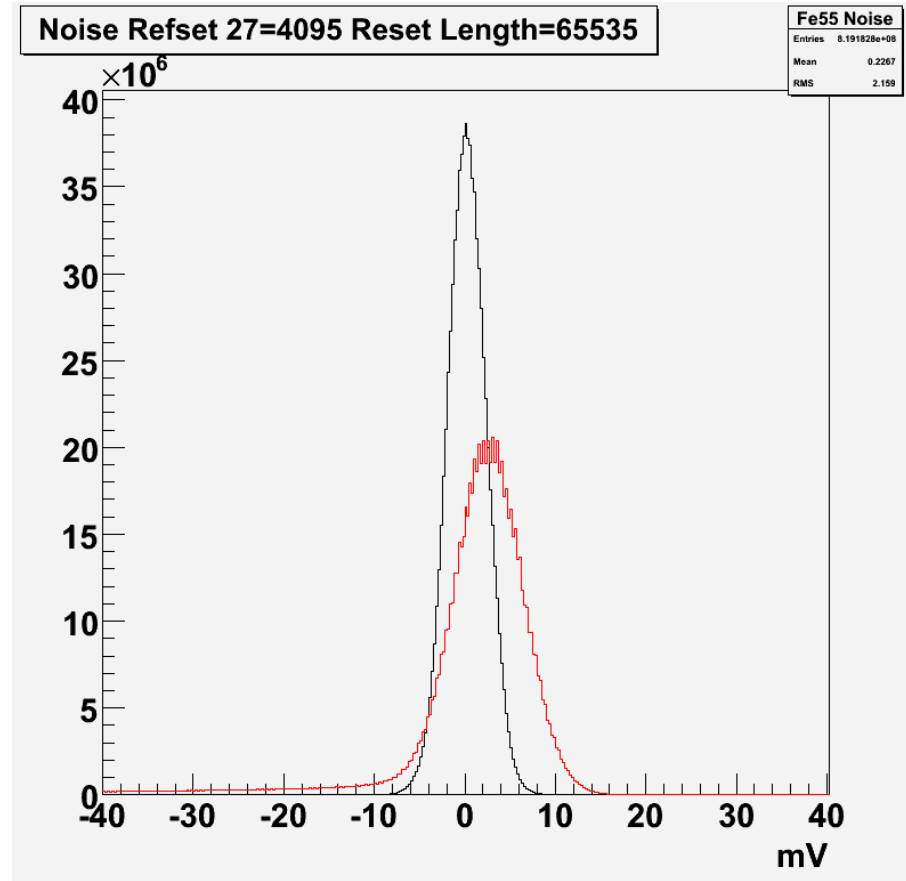
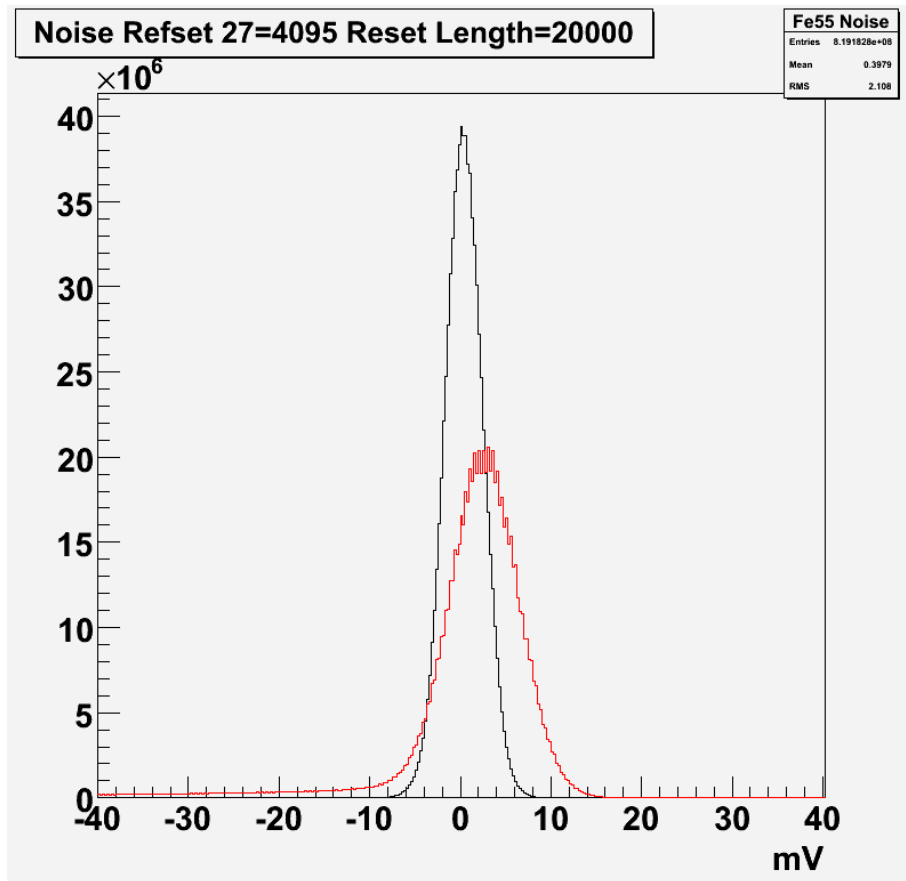
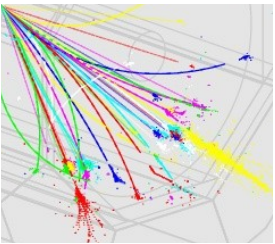
the same for both pixel



Comparing Noises



Comparing with signal ..



finally

