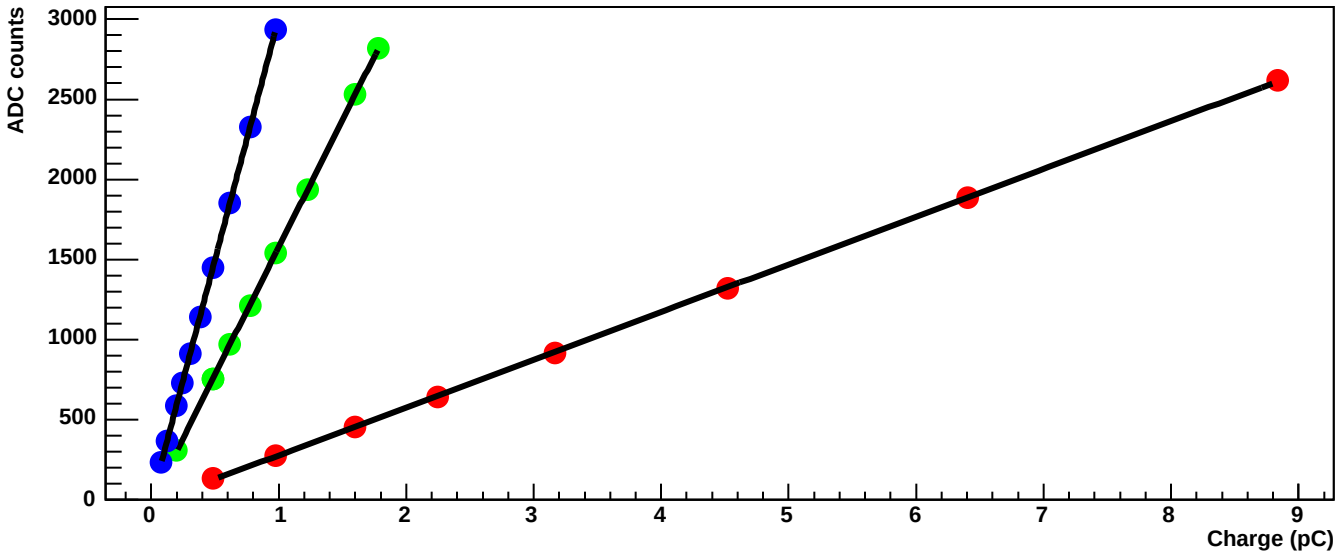
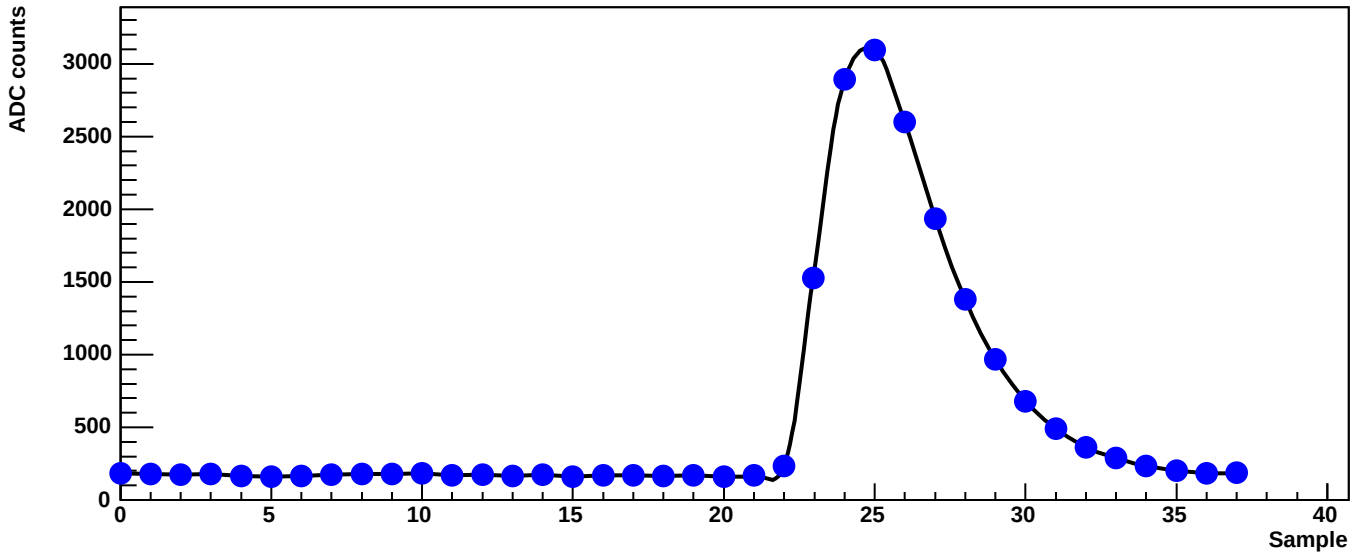
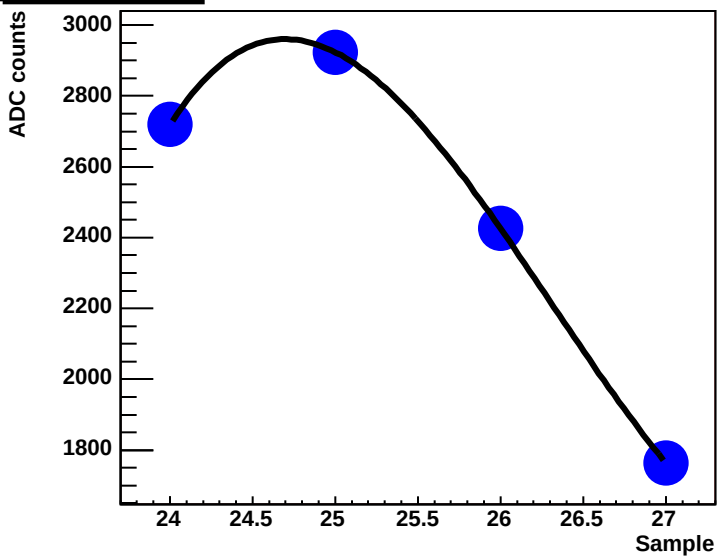
Amplitude vs. charge for gain x1, x6, x12



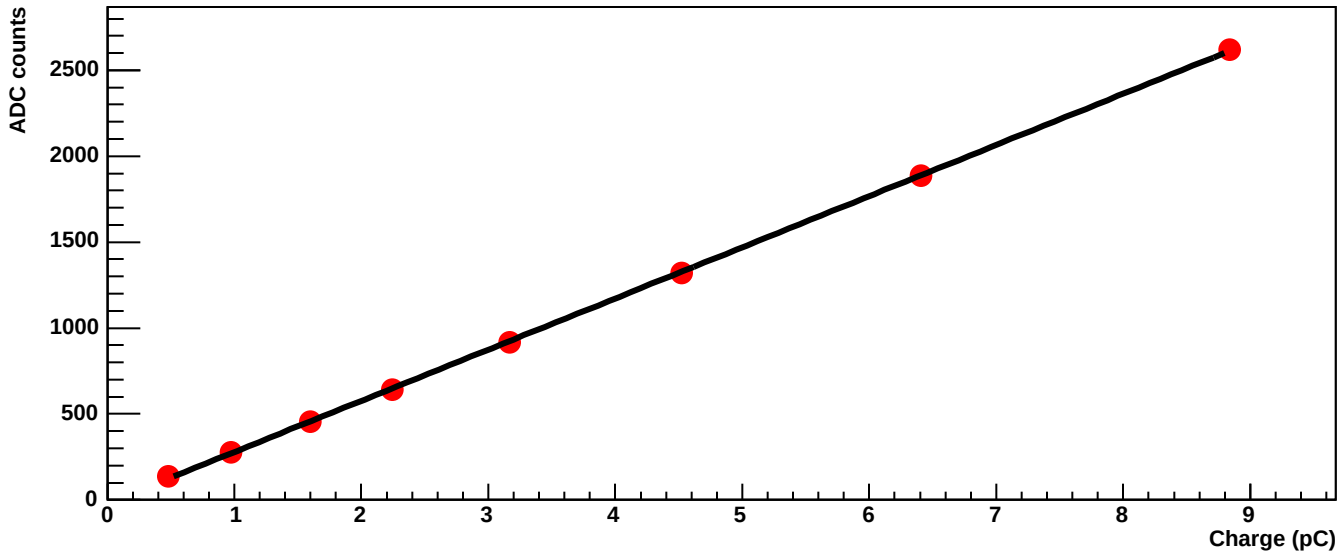
Amplitude



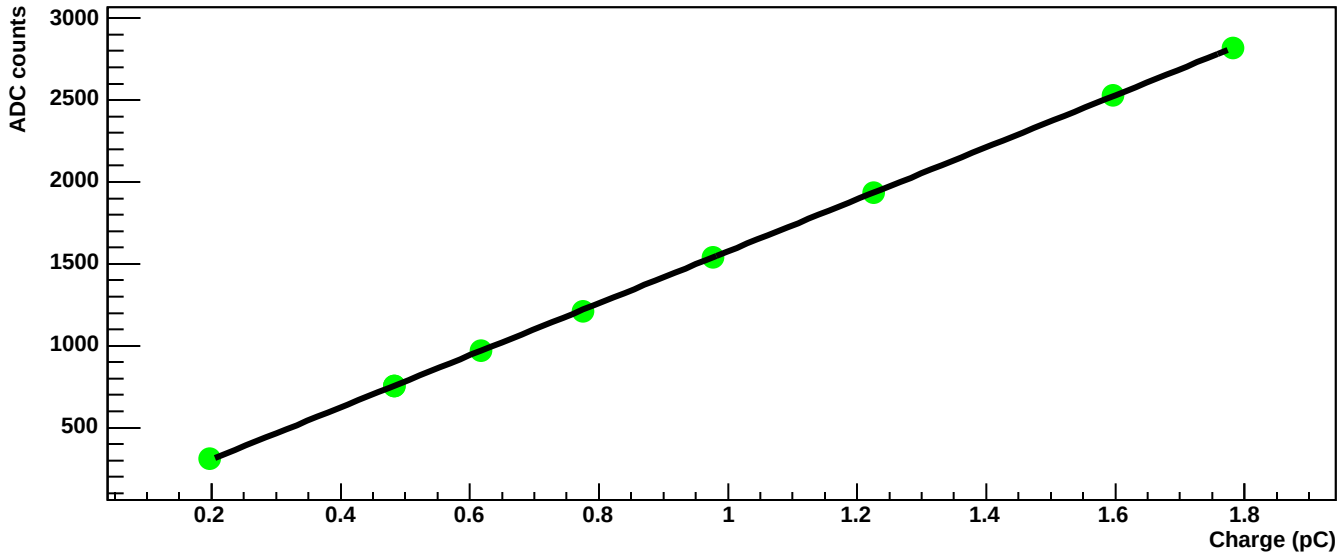
Amplitude fit



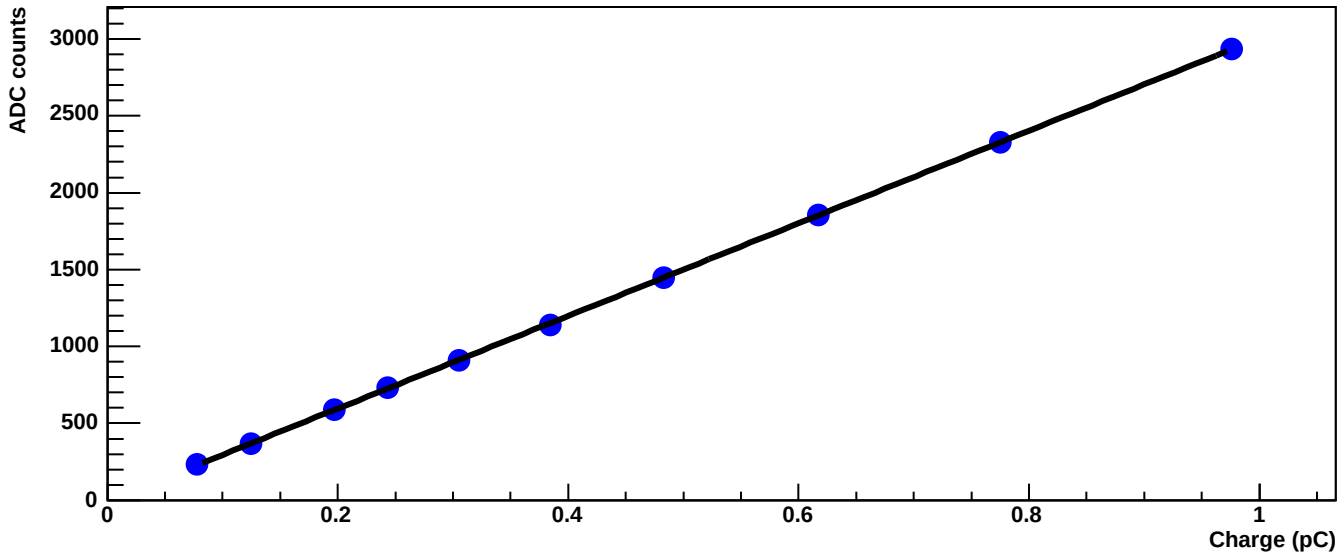
Amplitude vs. charge for gain x1



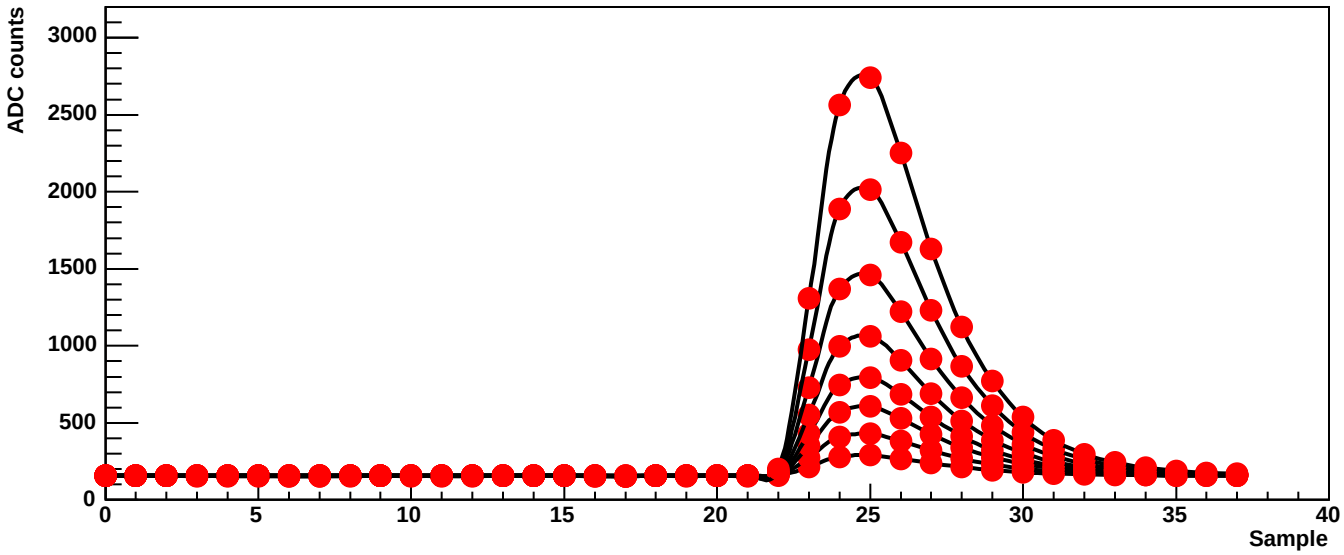
Amplitude vs. charge for gain x6



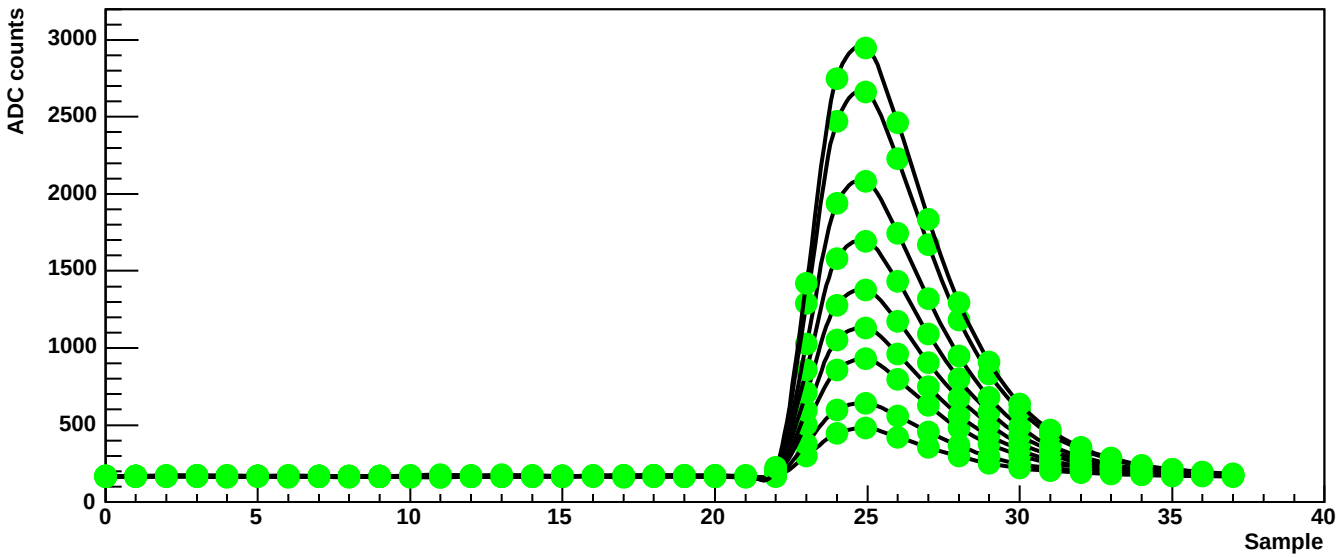
Amplitude vs. charge for gain x12



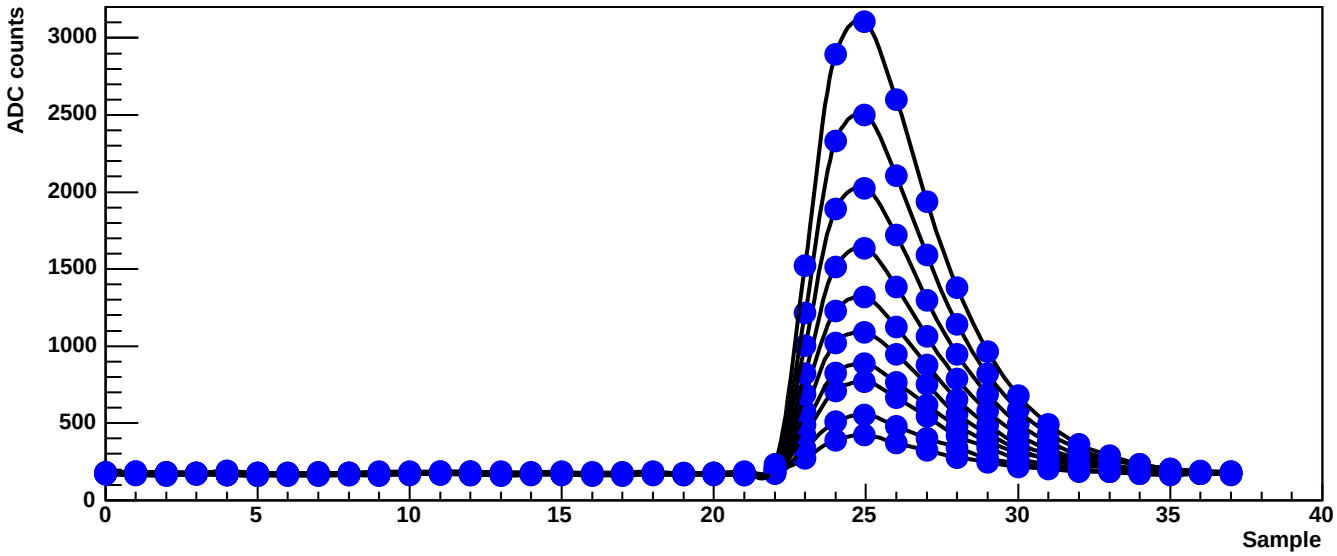
Amplitude, gain x1

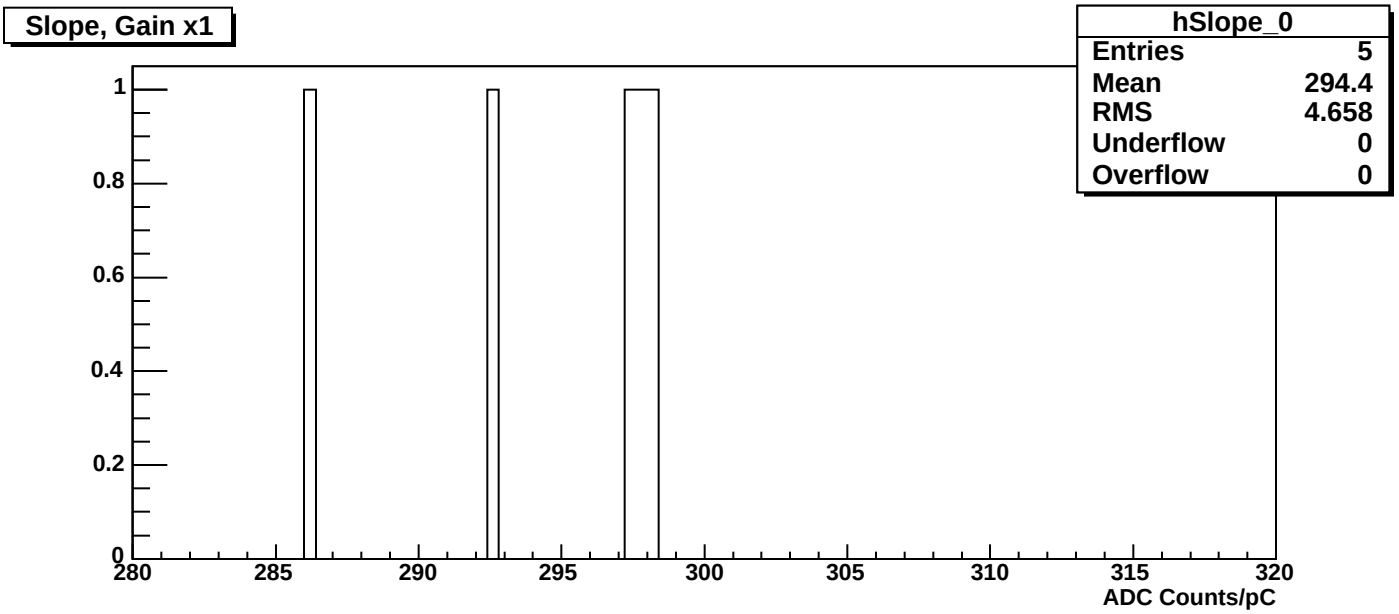


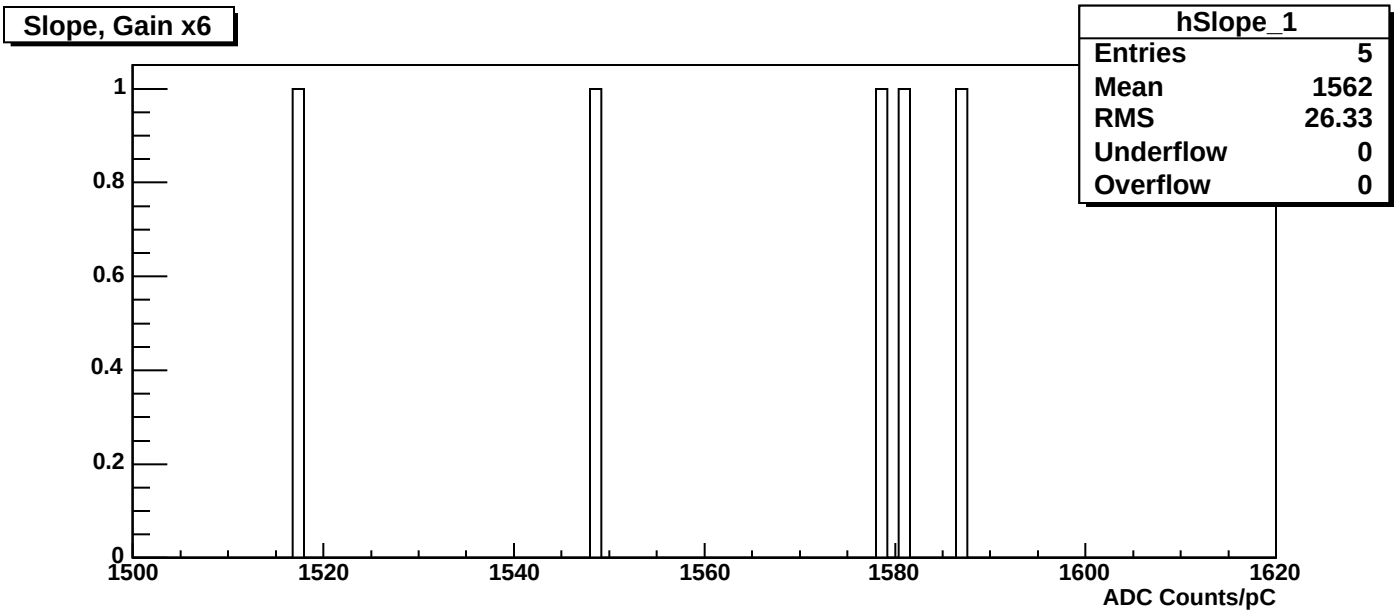
Amplitude, gain x6

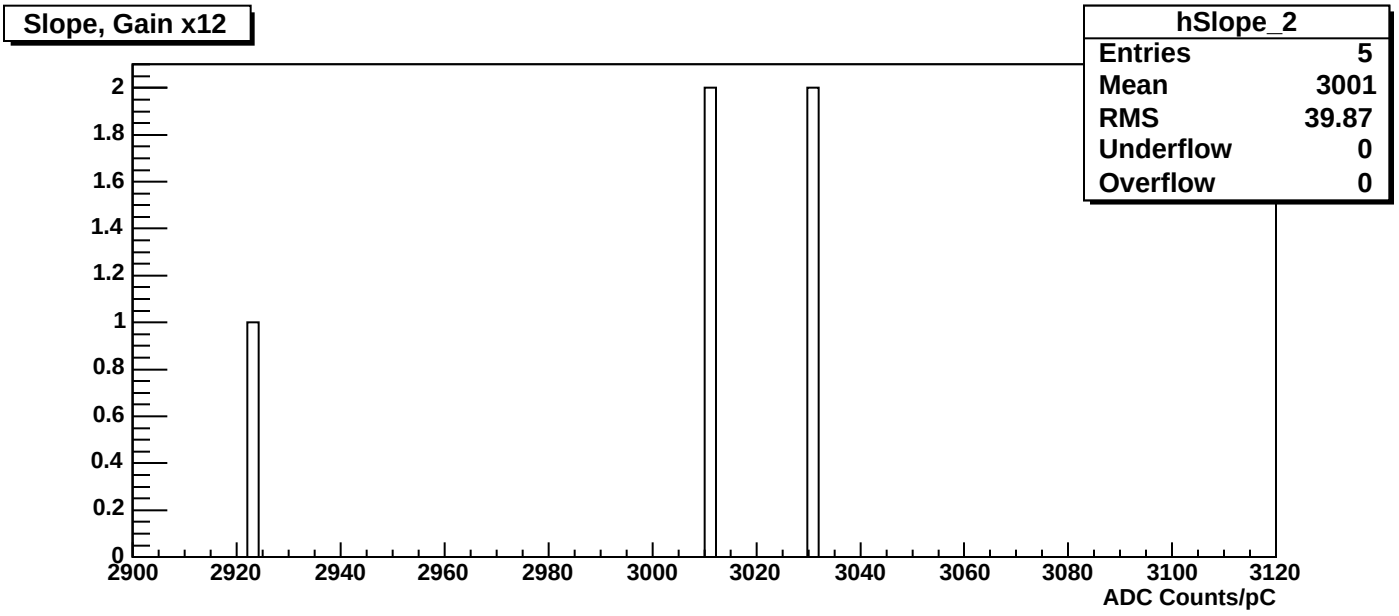


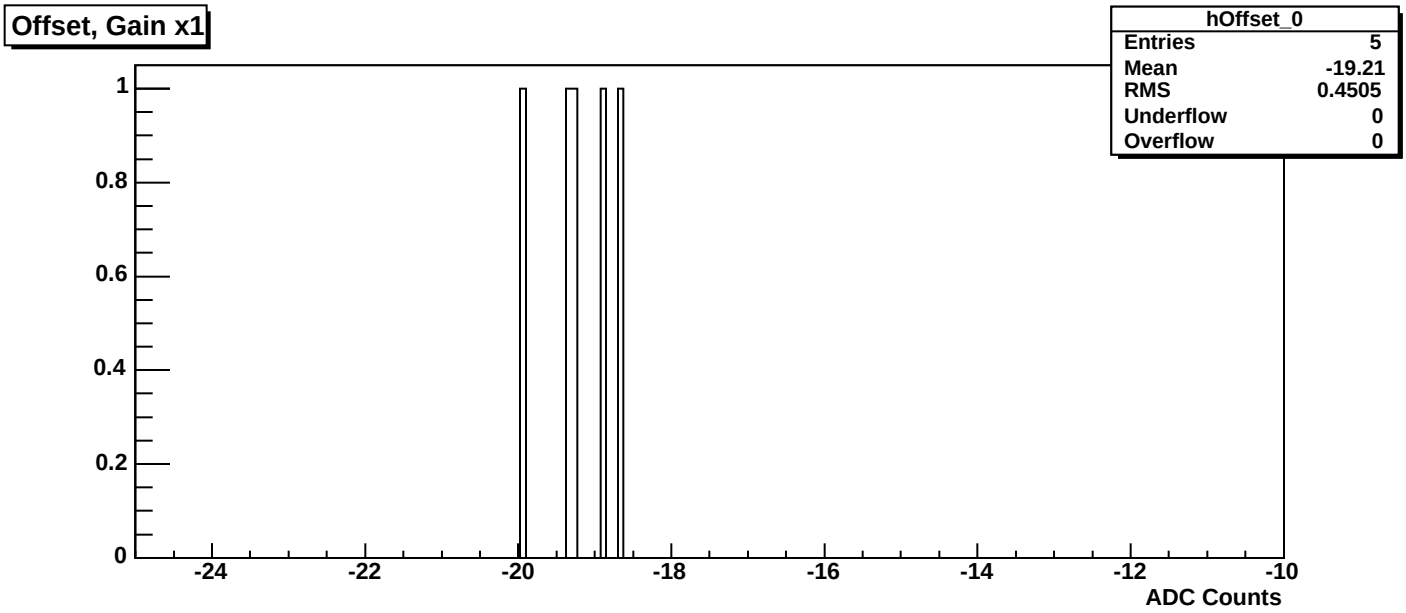
Amplitude, gain x12

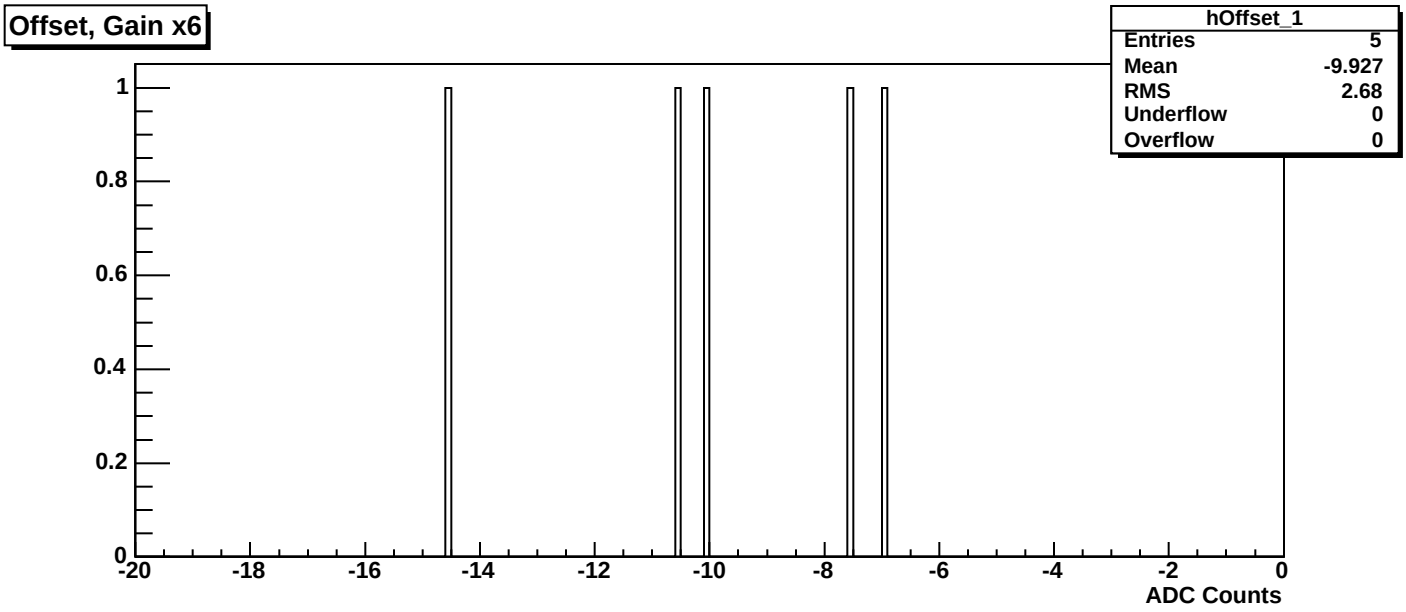


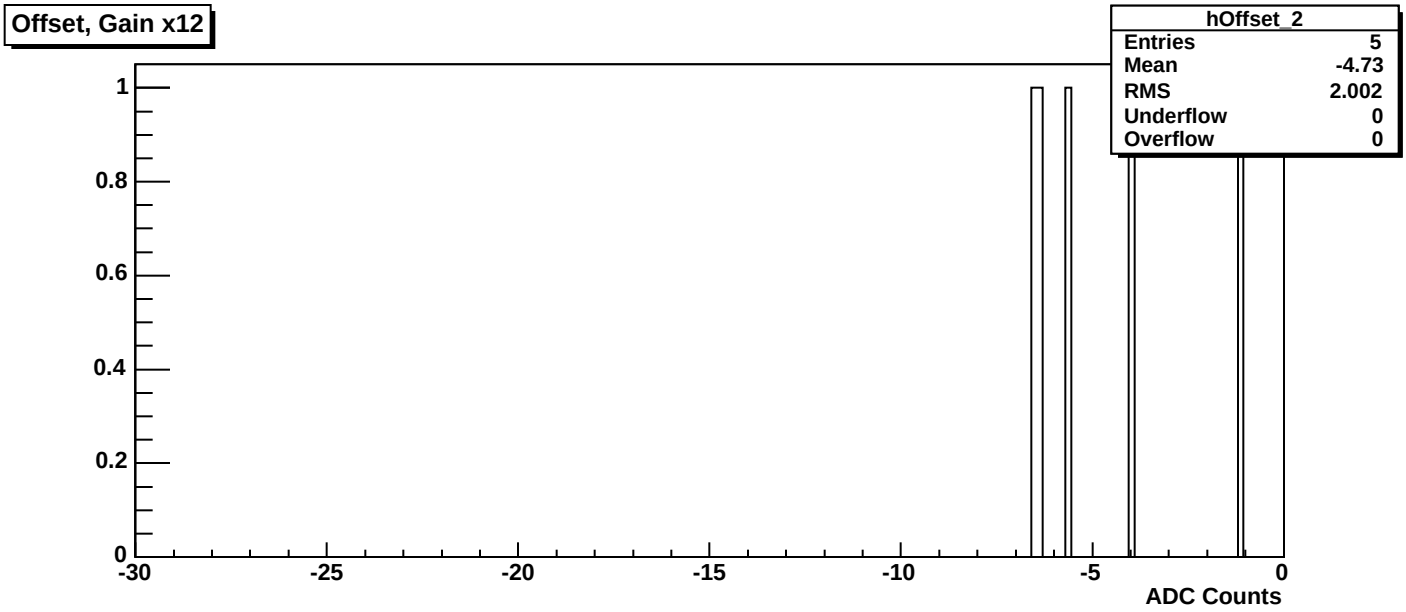

Slope, Gain x1
hSlope_0
Entries 5
Mean 294.4
RMS 4.658
Underflow 0
Overflow 0
ADC Counts/pC


Slope, Gain x6
hSlope_1
Entries 5
Mean 1562
RMS 26.33
Underflow 0
Overflow 0
ADC Counts/pC


Slope, Gain x12
hSlope_2
Entries 5
Mean 3001
RMS 39.87
Underflow 0
Overflow 0
ADC Counts/pC

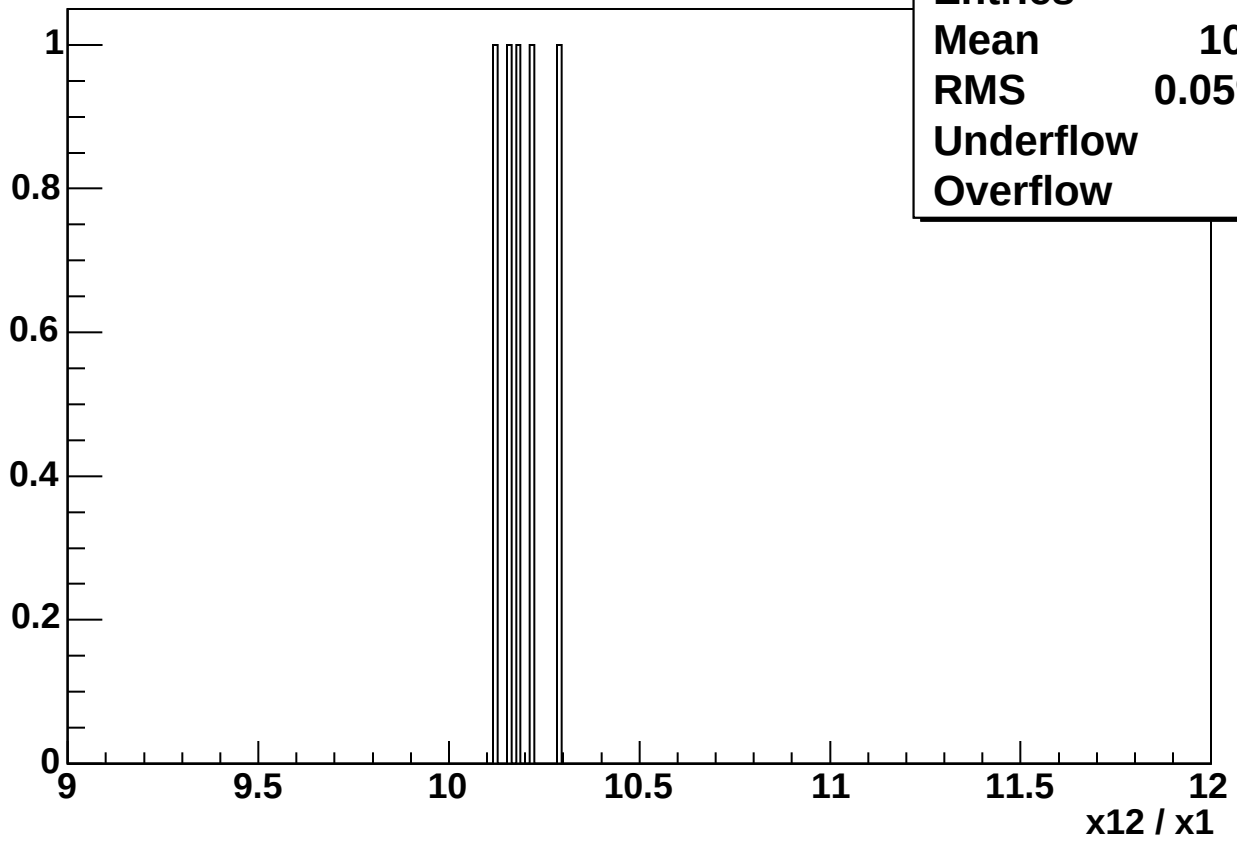

Offset, Gain x1
hOffset_0
Entries 5
Mean -19.21
RMS 0.4505
Underflow 0
Overflow 0
1
0.8
0.6
0.4
0.2
0
-24
-22
-20
-18
-16
-14
-12
-10
ADC Counts


Offset, Gain x6
hOffset_1
Entries 5
Mean -9.927
RMS 2.68
Underflow 0
Overflow 0
1
0.8
0.6
0.4
0.2
0
-20
-18
-16
-14
-12
-10
-8
-6
-4
-2
0
ADC Counts


Offset, Gain x12
hOffset_2
Entries 5
Mean -4.73
RMS 2.002
Underflow 0
Overflow 0
1
0.8
0.6
0.4
0.2
0
-30
-25
-20
-15
-10
-5
0
ADC Counts

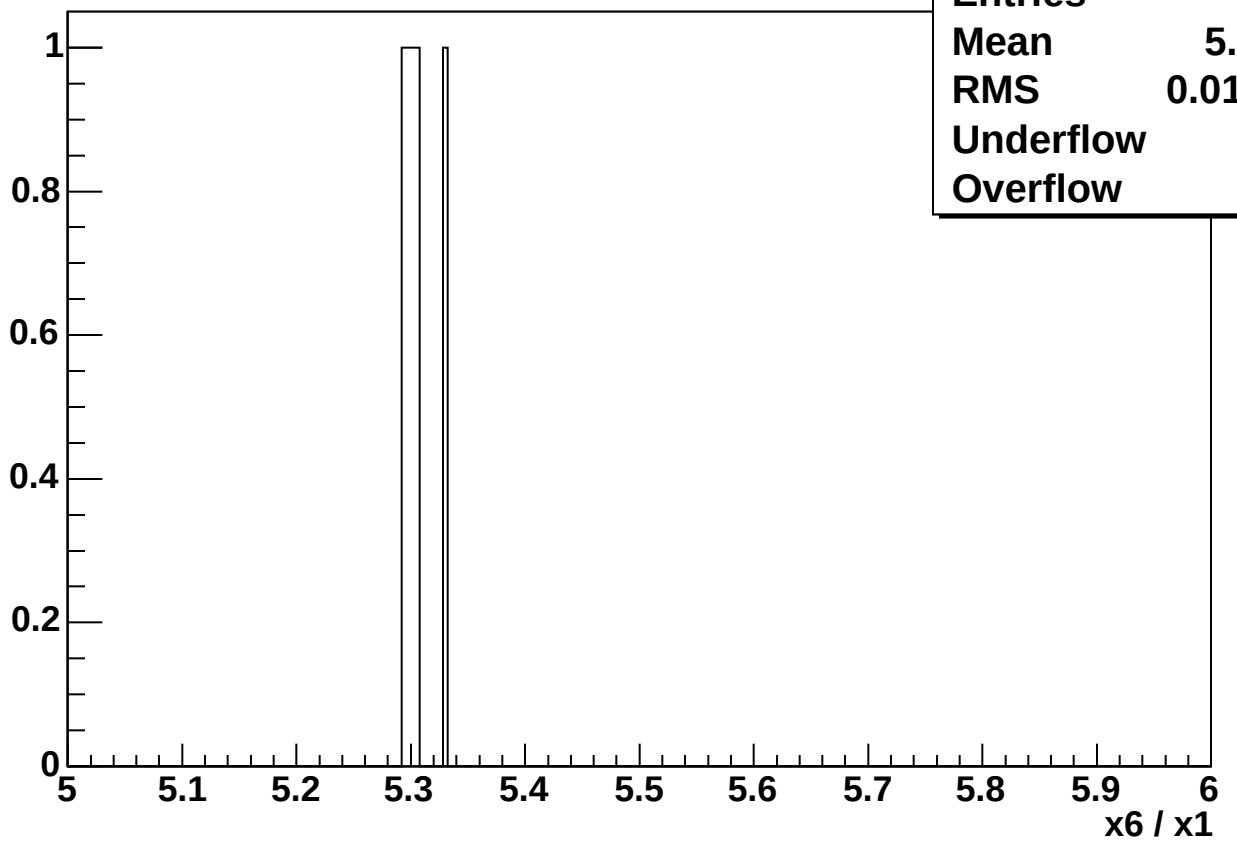
x12 / x1 before calibration

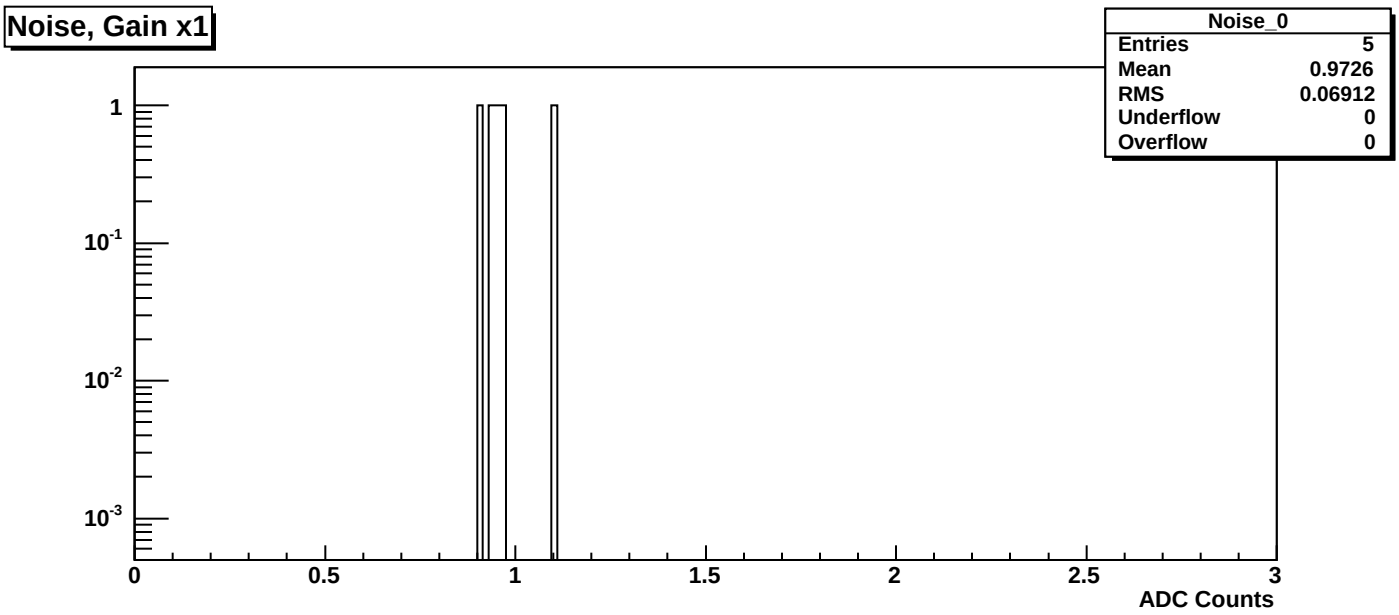
h12Over1Channels	
Entries	5
Mean	10.19
RMS	0.05952
Underflow	0
Overflow	0

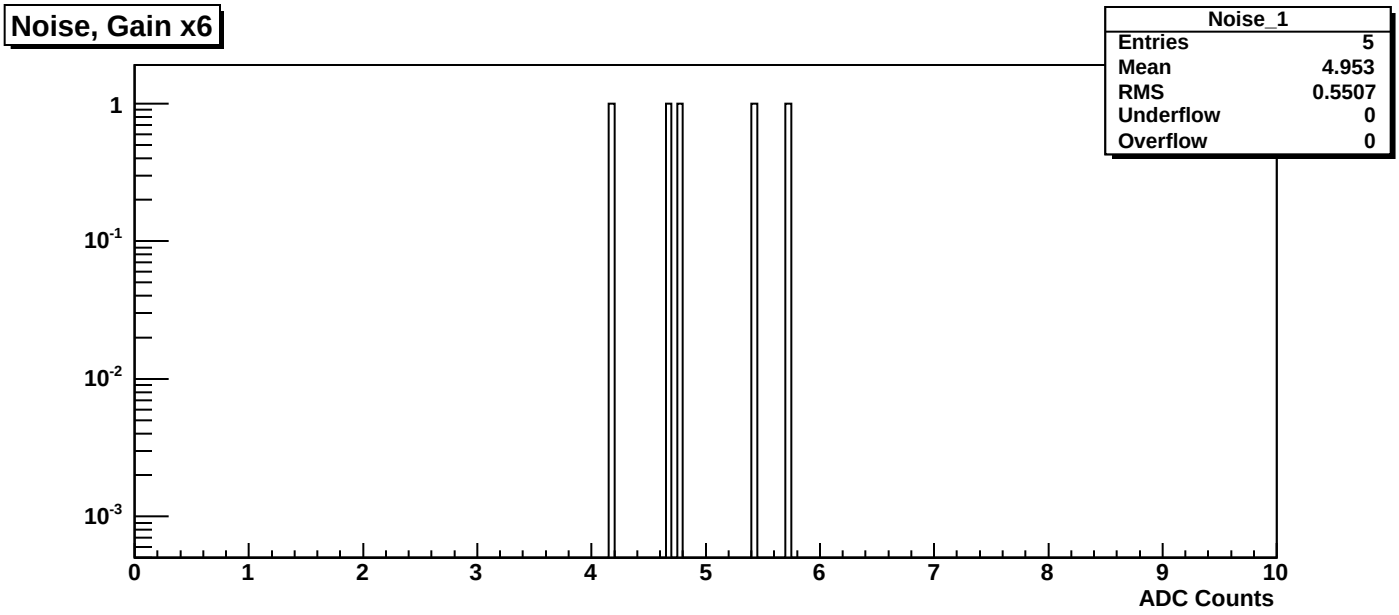


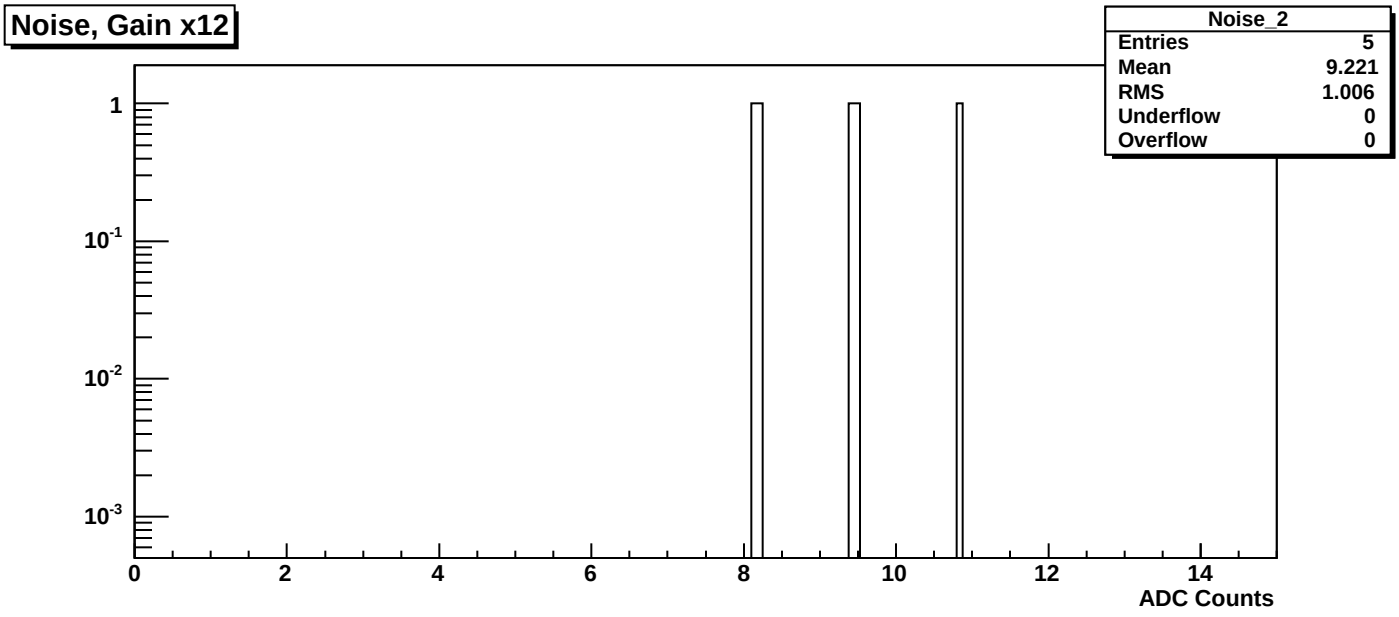
x6 / x1 before calibration

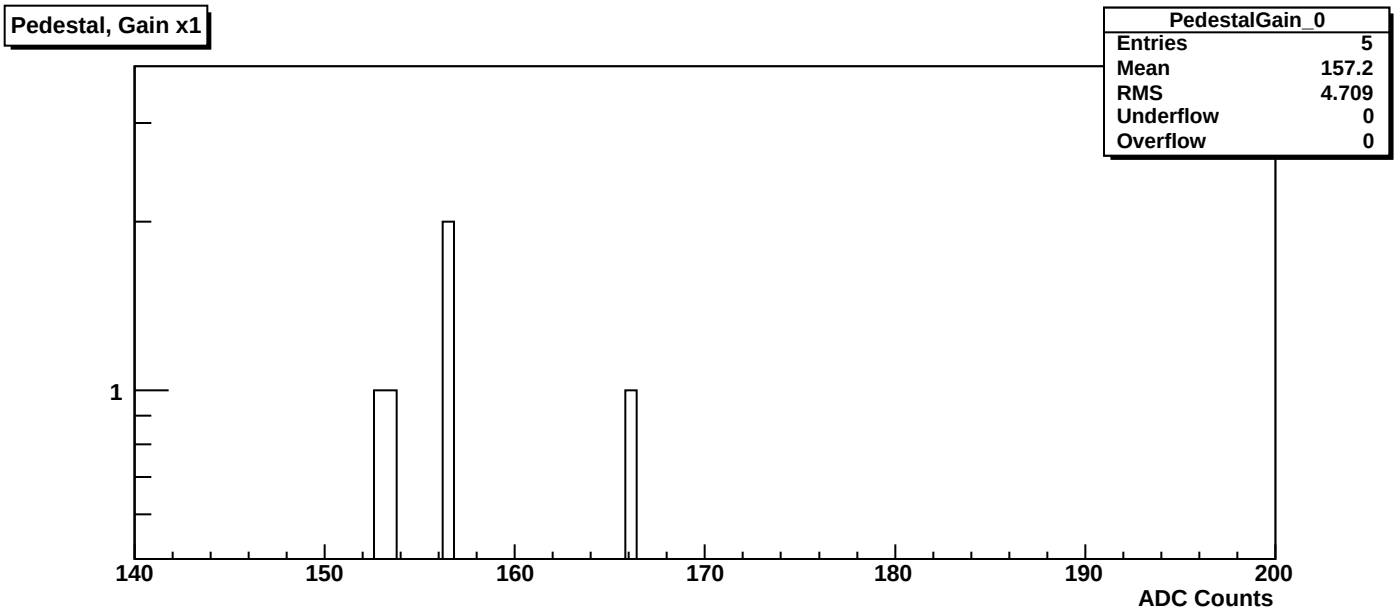
h6Over1Channels	
Entries	5
Mean	5.307
RMS	0.01321
Underflow	0
Overflow	0

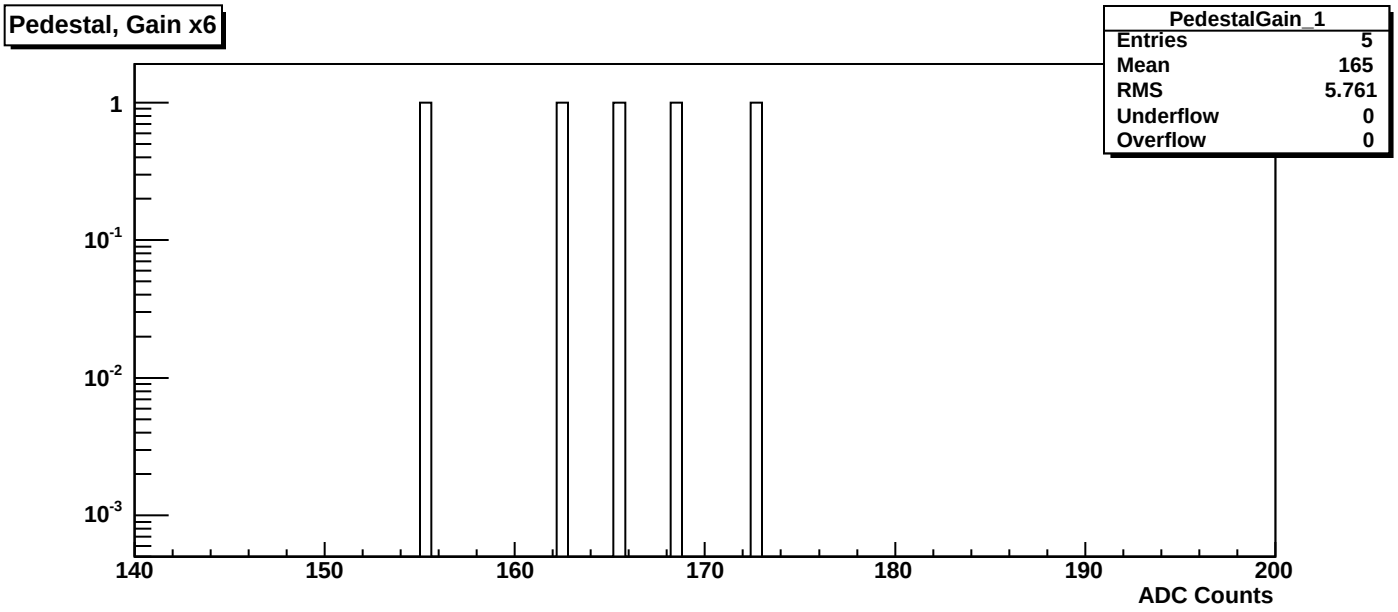


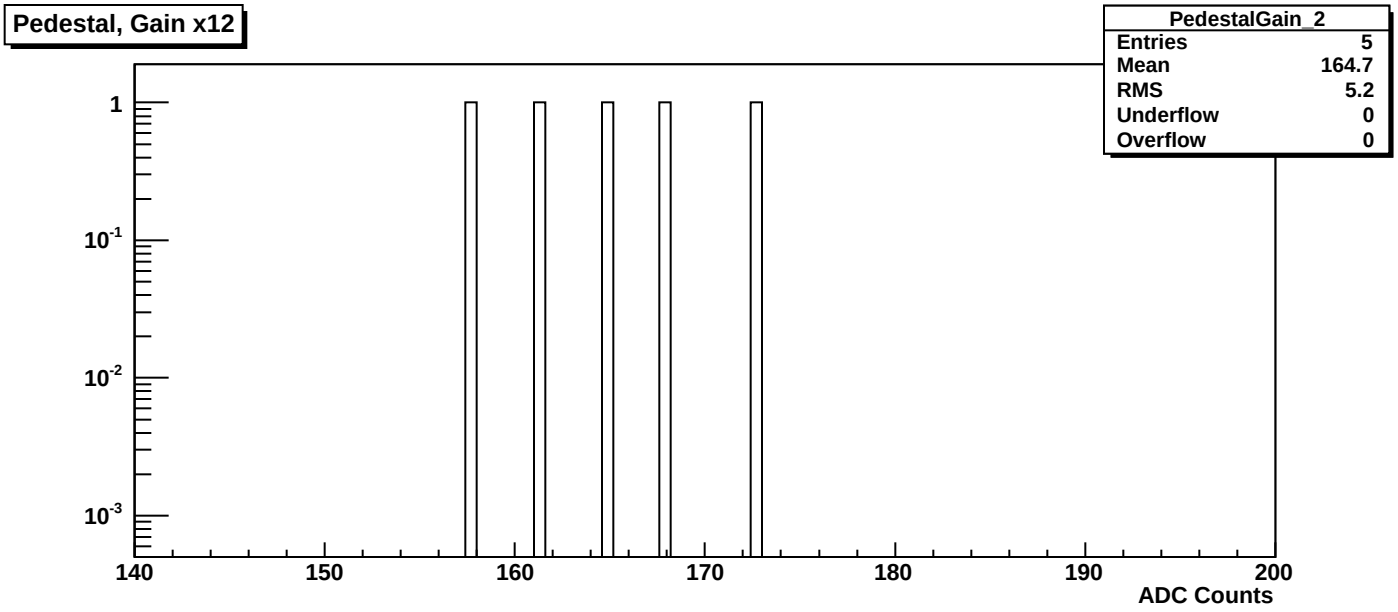

Noise, Gain x1
Noise_0
Entries 5
Mean 0.9726
RMS 0.06912
Underflow 0
Overflow 0
1
10-1
10-2
10-3
0
0.5
1
1.5
2
2.5
3
ADC Counts


Noise, Gain x6
Noise_1
Entries 5
Mean 4.953
RMS 0.5507
Underflow 0
Overflow 0
1
10-1
10-2
10-3
0
1
2
3
4
5
6
7
8
9
10
ADC Counts

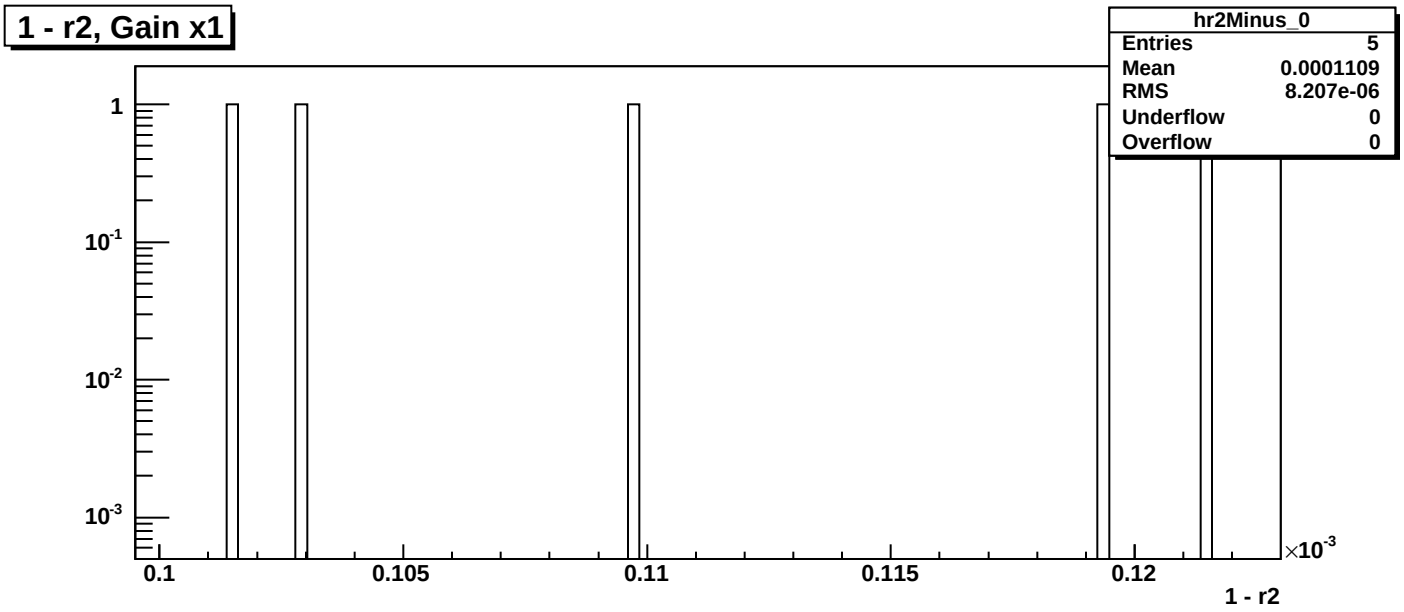

Noise, Gain x12
Noise_2
Entries 5
Mean 9.221
RMS 1.006
Underflow 0
Overflow 0
1
10-1
10-2
10-3
0
2
4
6
8
10
12
14
ADC Counts


Pedestal, Gain x1
PedestalGain_0
Entries 5
Mean 157.2
RMS 4.709
Underflow 0
Overflow 0
1
140
150
160
170
180
190
200
ADC Counts

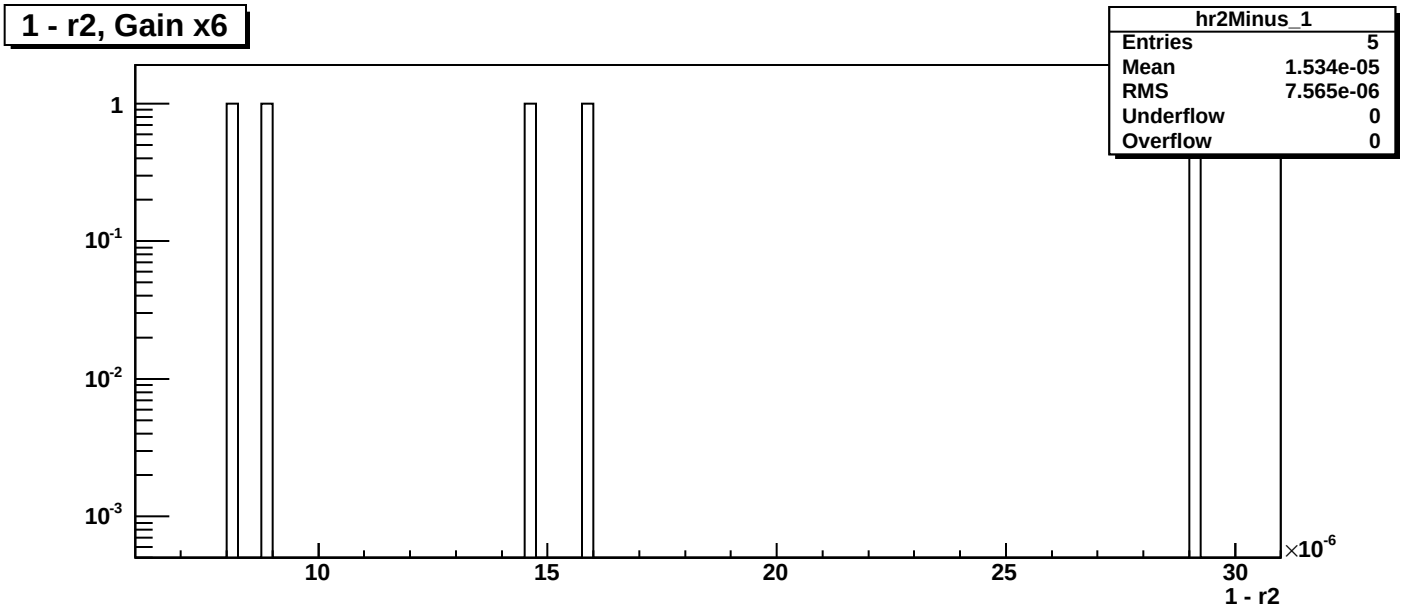

Pedestal, Gain x6
PedestalGain_1
Entries 5
Mean 165
RMS 5.761
Underflow 0
Overflow 0
1
10-1
10-2
10-3
140
150
160
170
180
190
200
ADC Counts


Pedestal, Gain x12
PedestalGain_2
Entries 5
Mean 164.7
RMS 5.2
Underflow 0
Overflow 0
1
10-1
10-2
10-3
140
150
160
170
180
190
200
ADC Counts

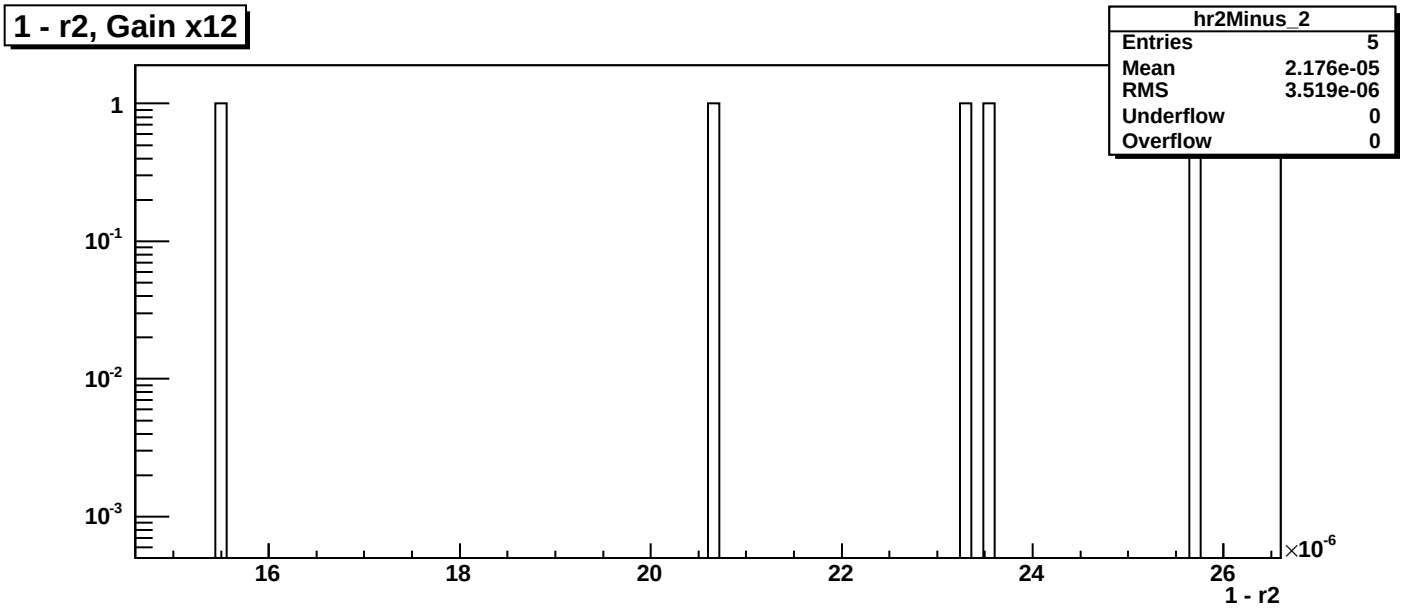
1 - r2, Gain x1

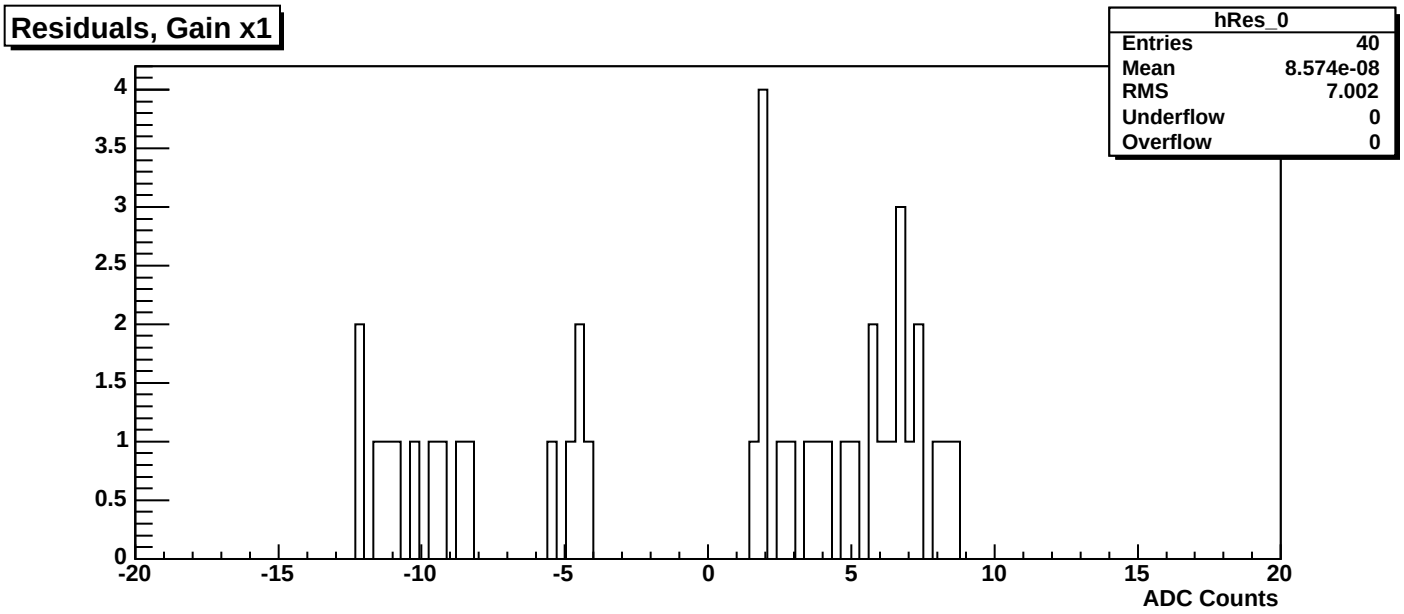


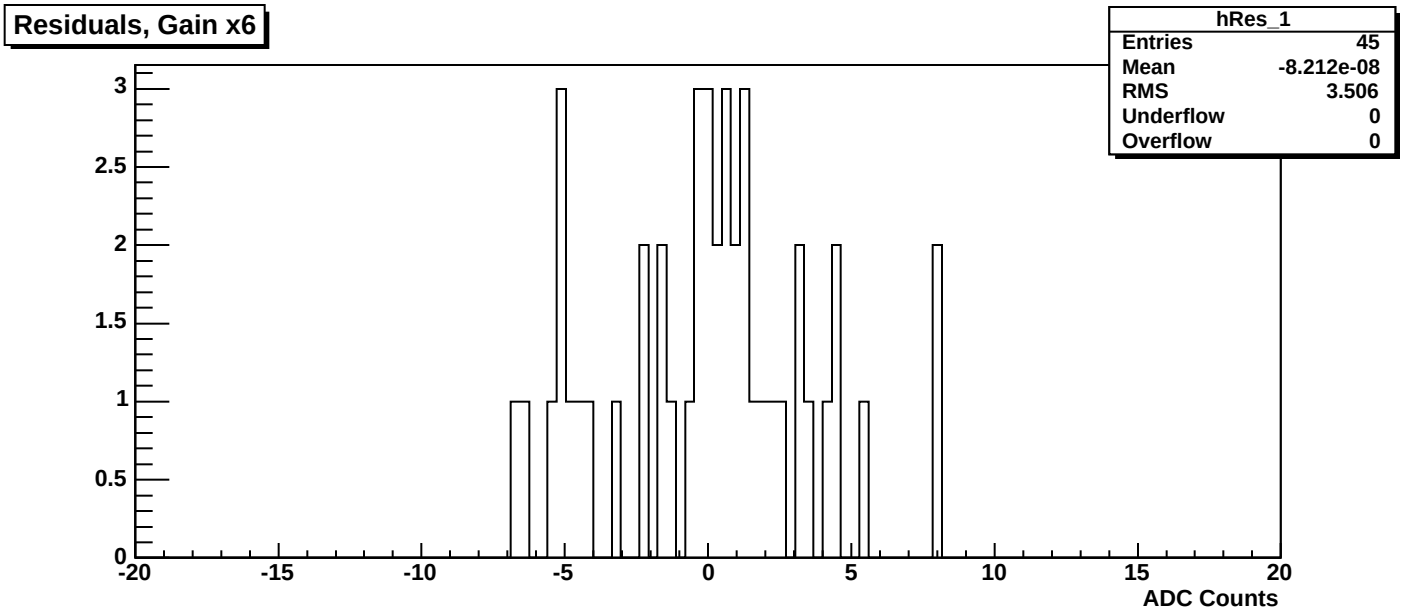
1 - r2, Gain x6

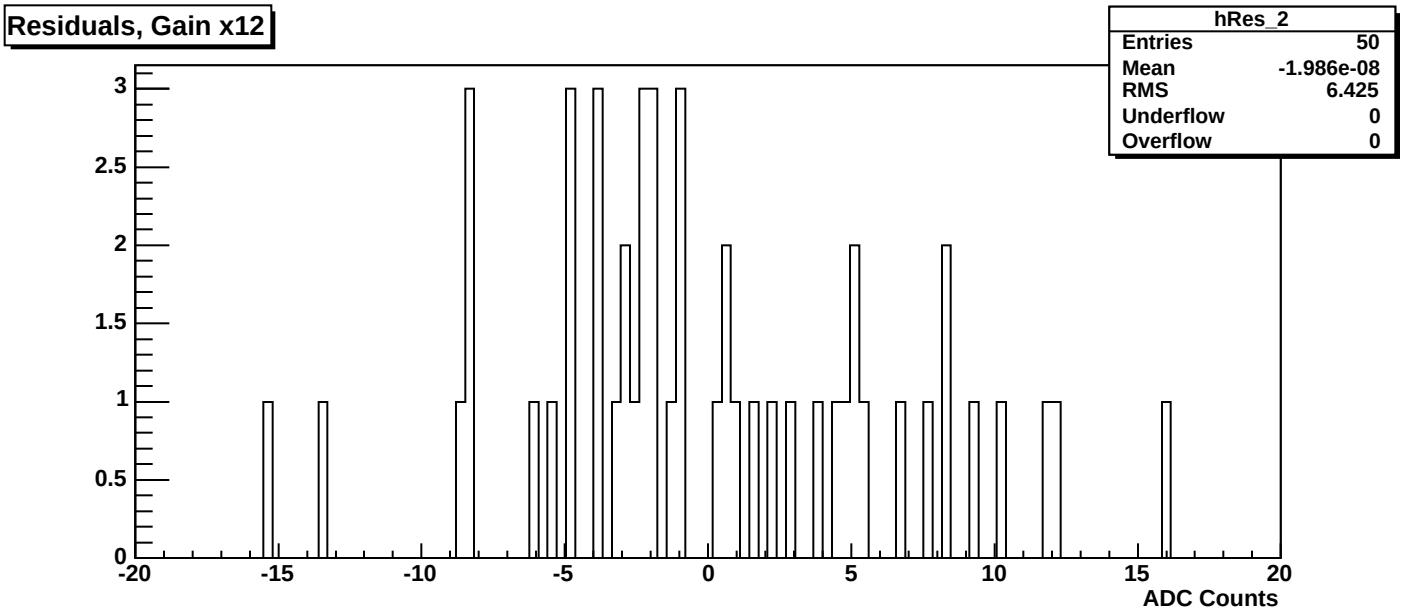


1 - r2, Gain x12

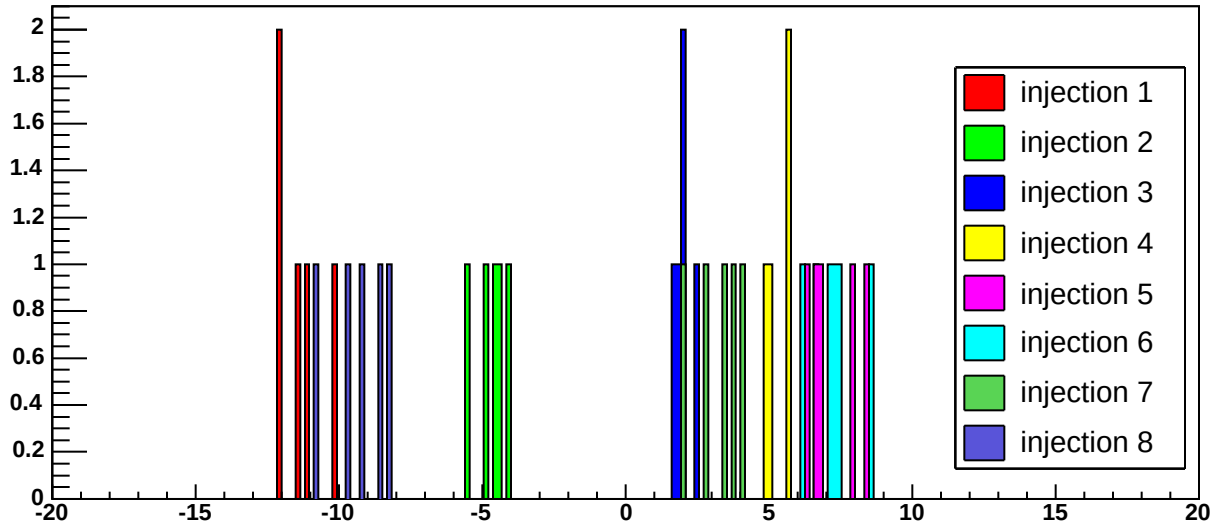



Residuals, Gain x1
hRes_0
Entries 40
Mean 8.574e-08
RMS 7.002
Underflow 0
Overflow 0
ADC Counts

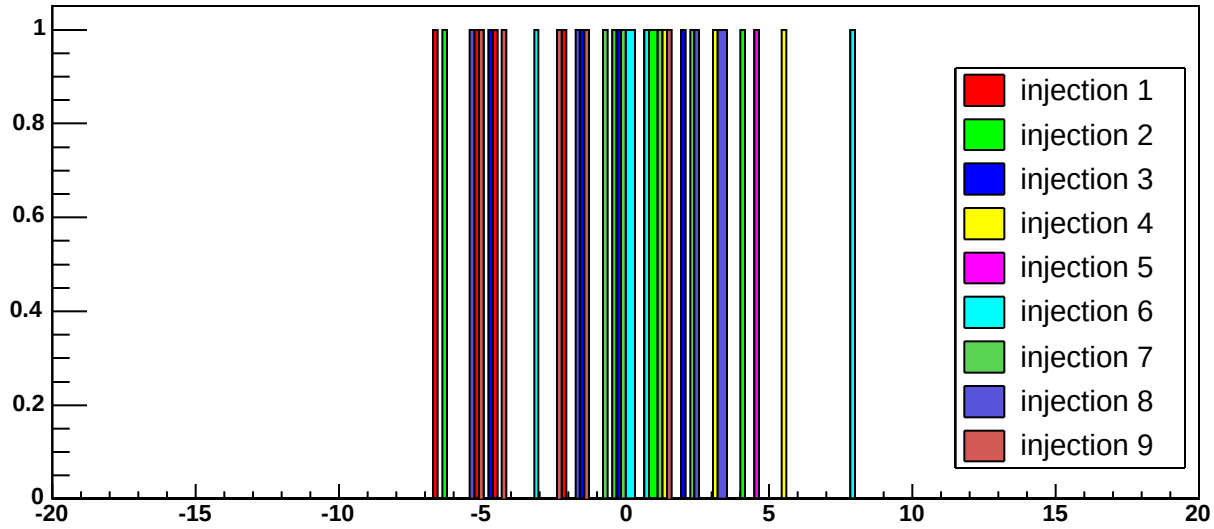

Residuals, Gain x6
hRes_1
Entries 45
Mean -8.212e-08
RMS 3.506
Underflow 0
Overflow 0
ADC Counts


Residuals, Gain x12
hRes_2
Entries 50
Mean -1.986e-08
RMS 6.425
Underflow 0
Overflow 0
ADC Counts

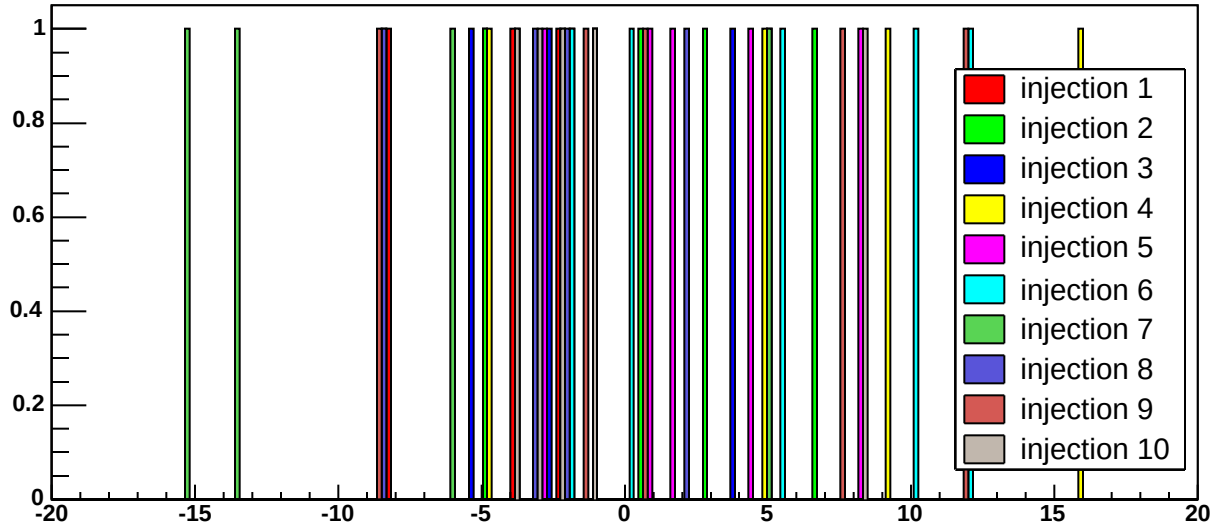
Residuals, Gain x1

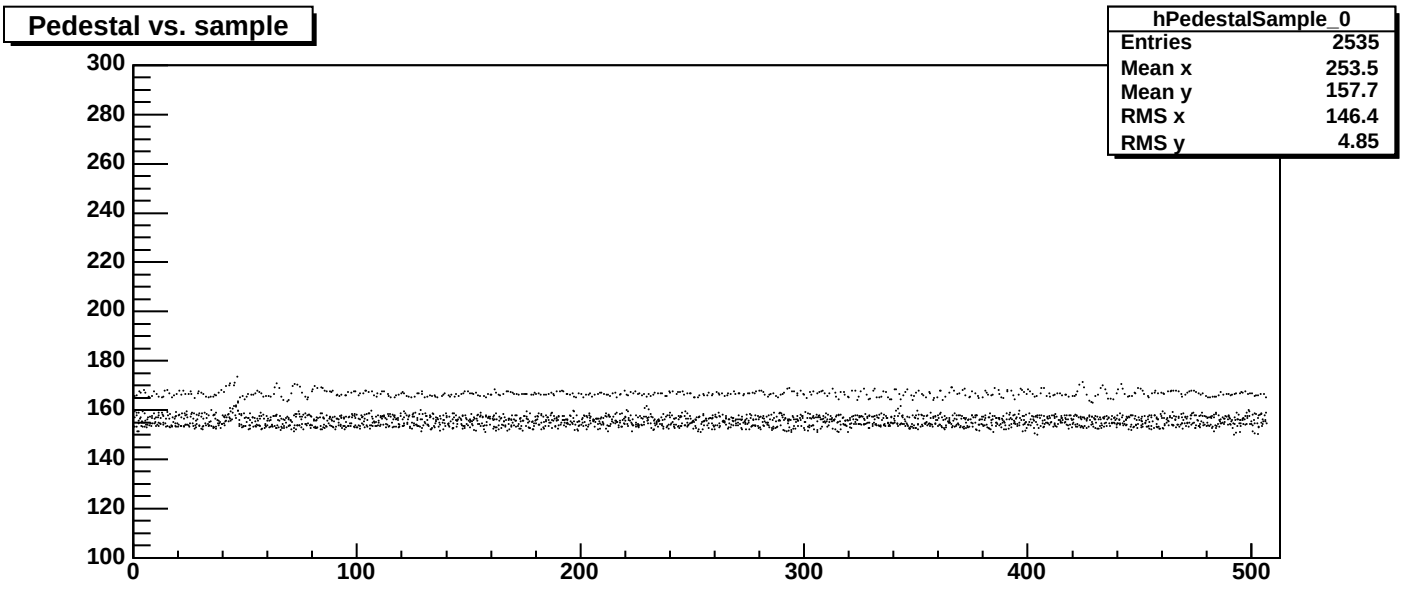


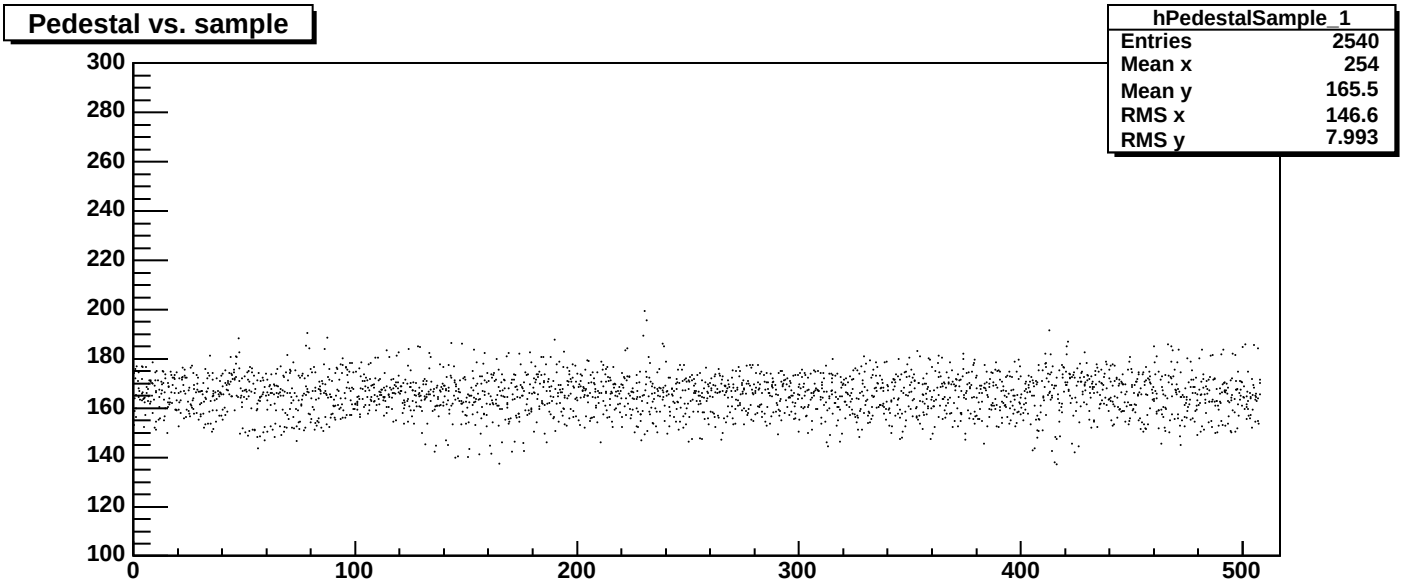
Residuals, Gain x6

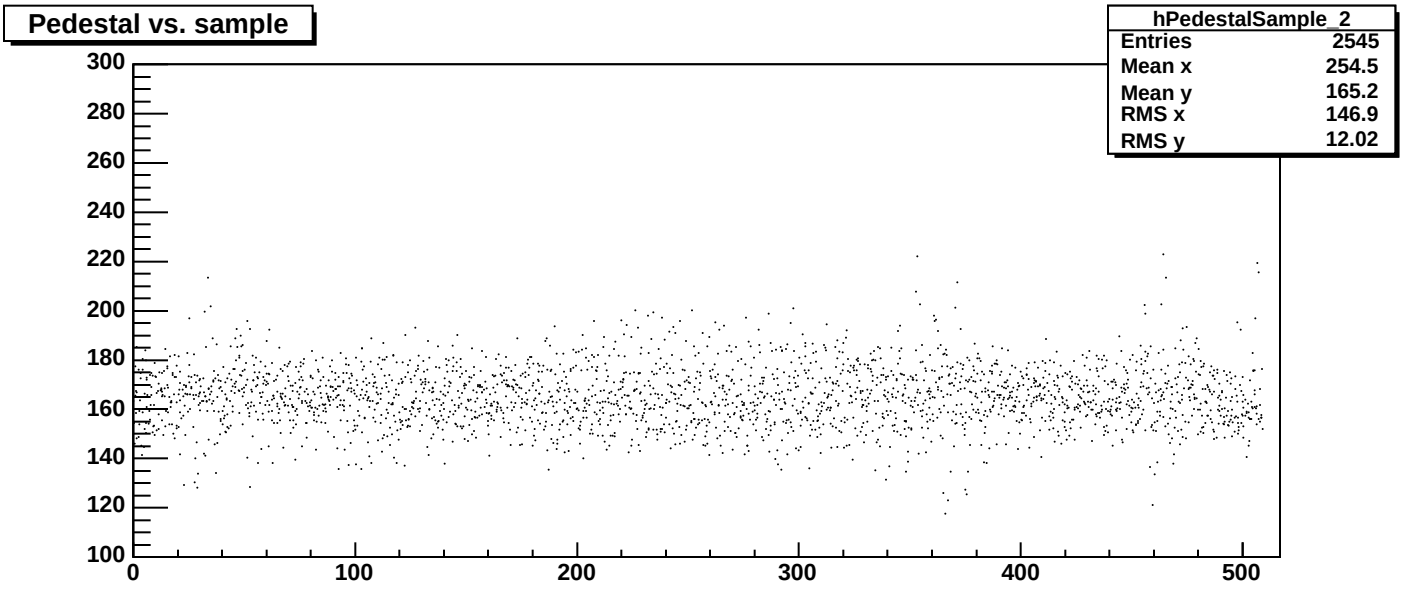


Residuals, Gain x12




Pedestal vs. sample
hPedestalSample_0
Entries 2535
Mean x 253.5
Mean y 157.7
RMS x 146.4
RMS y 4.85
300
280
260
240
220
200
180
160
140
120
100
0
100
200
300
400
500


Pedestal vs. sample
hPedestalSample_1
Entries 2540
Mean x 254
Mean y 165.5
RMS x 146.6
RMS y 7.993
300
280
260
240
220
200
180
160
140
120
100
0
100
200
300
400
500


Pedestal vs. sample
hPedestalSample_2
Entries 2545
Mean x 254.5
Mean y 165.2
RMS x 146.9
RMS y 12.02
300
280
260
240
220
200
180
160
140
120
100
0
100
200
300
400
500