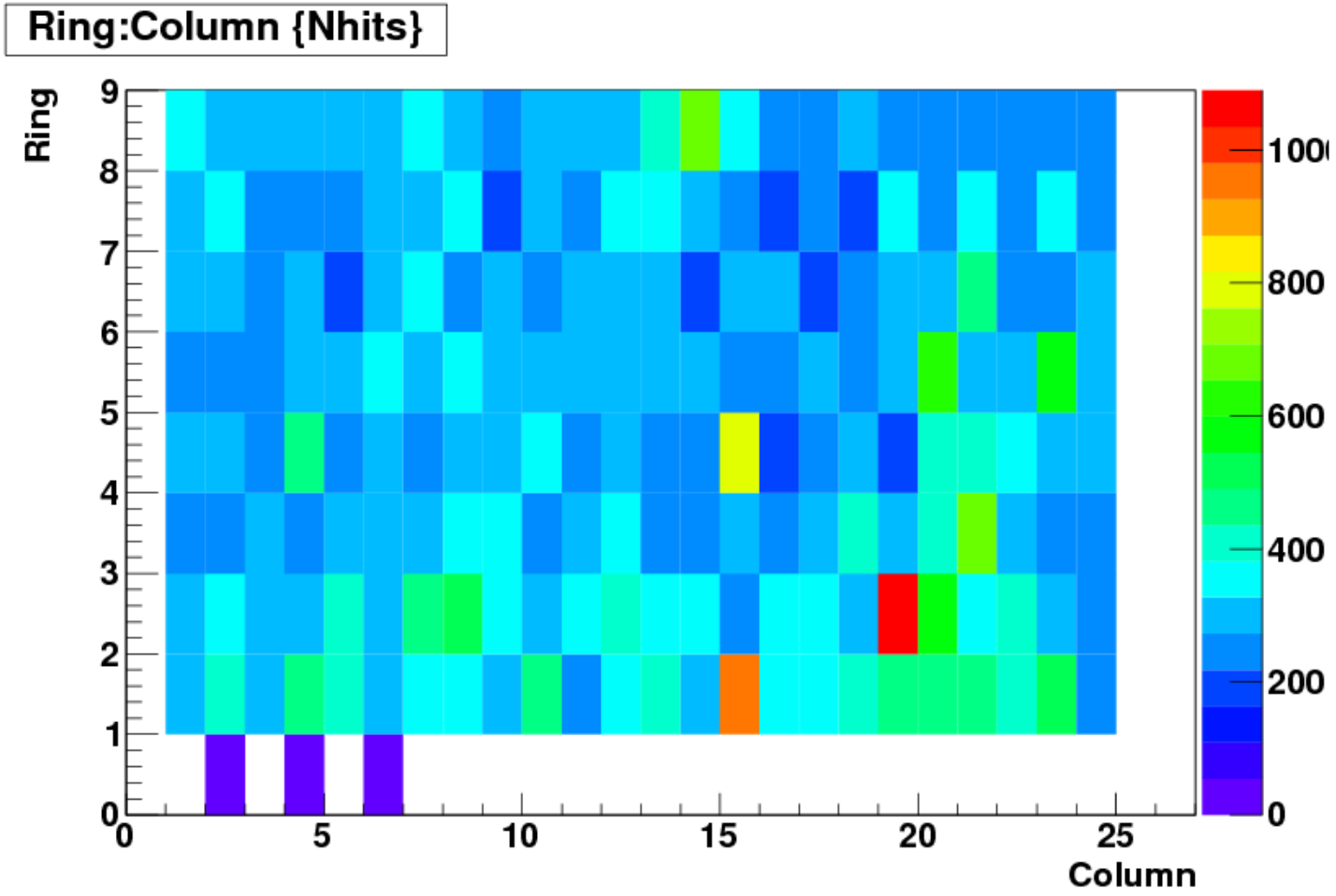
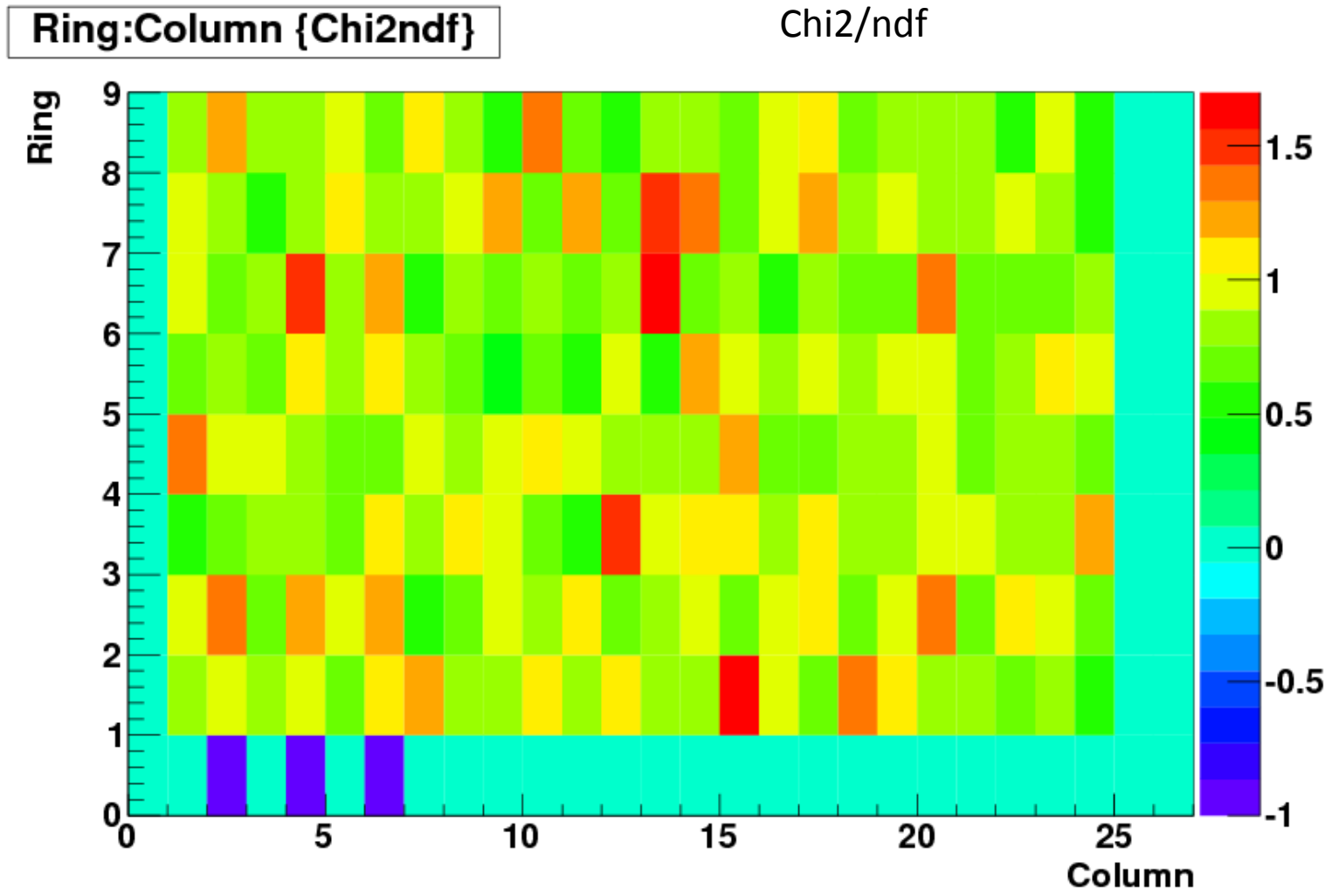
AD3 dry run (Run 6873-6887).
Pmt gain and darkrate calibration result with RollGain algorithm.
By Zhe and Qing, Jan. 23, 2011

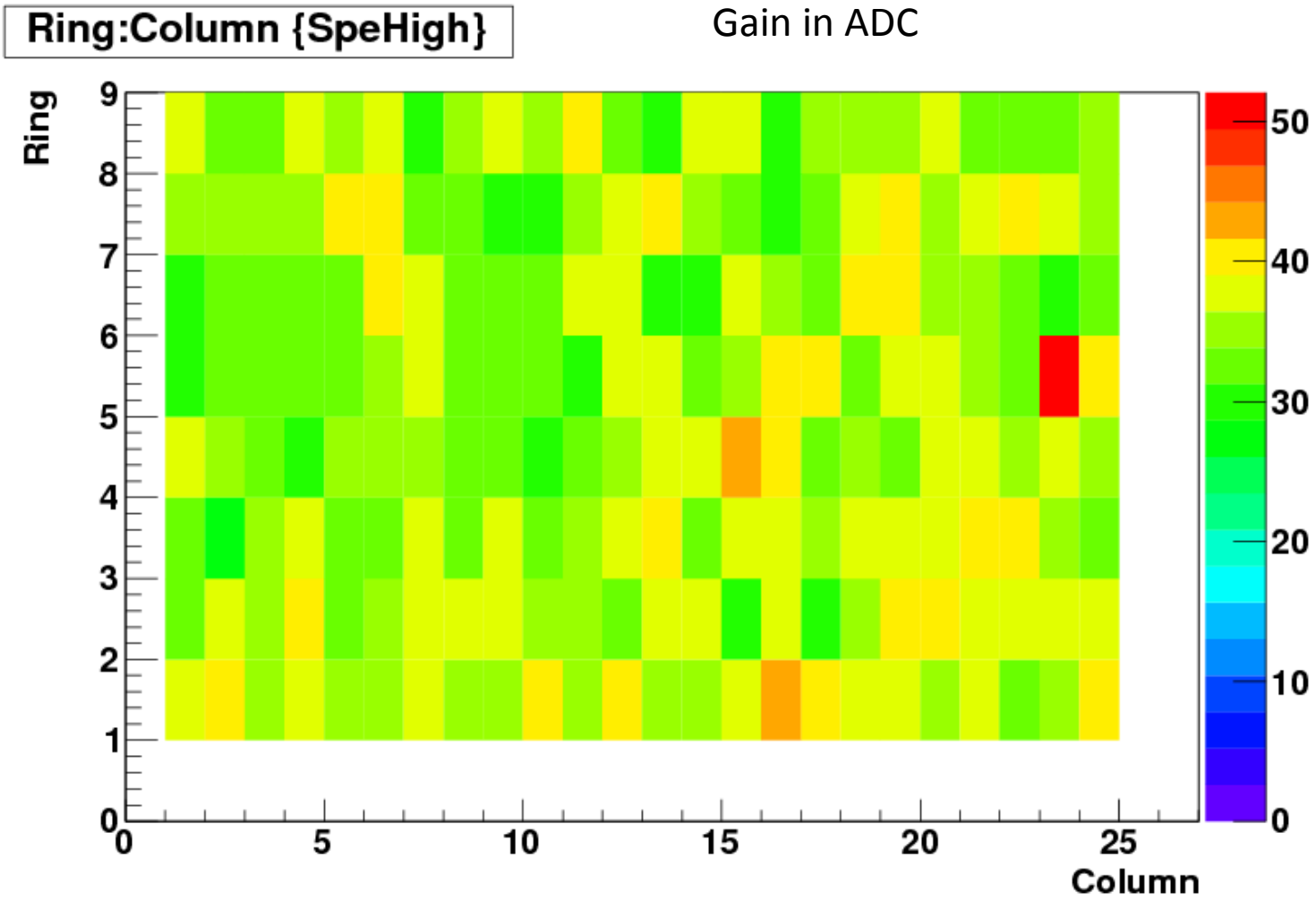



Number of hits joined this fit for each channel.

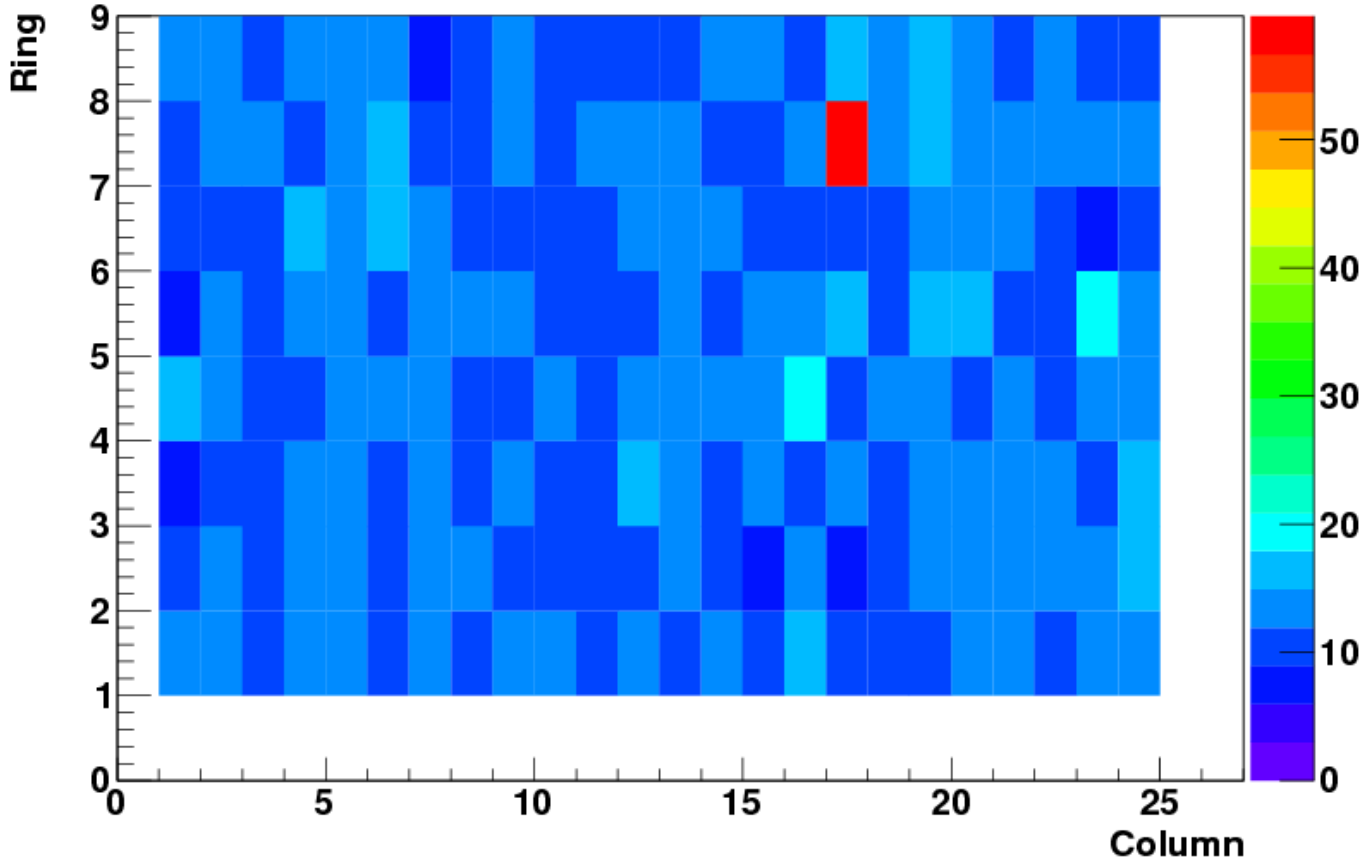
Chi2/ndf

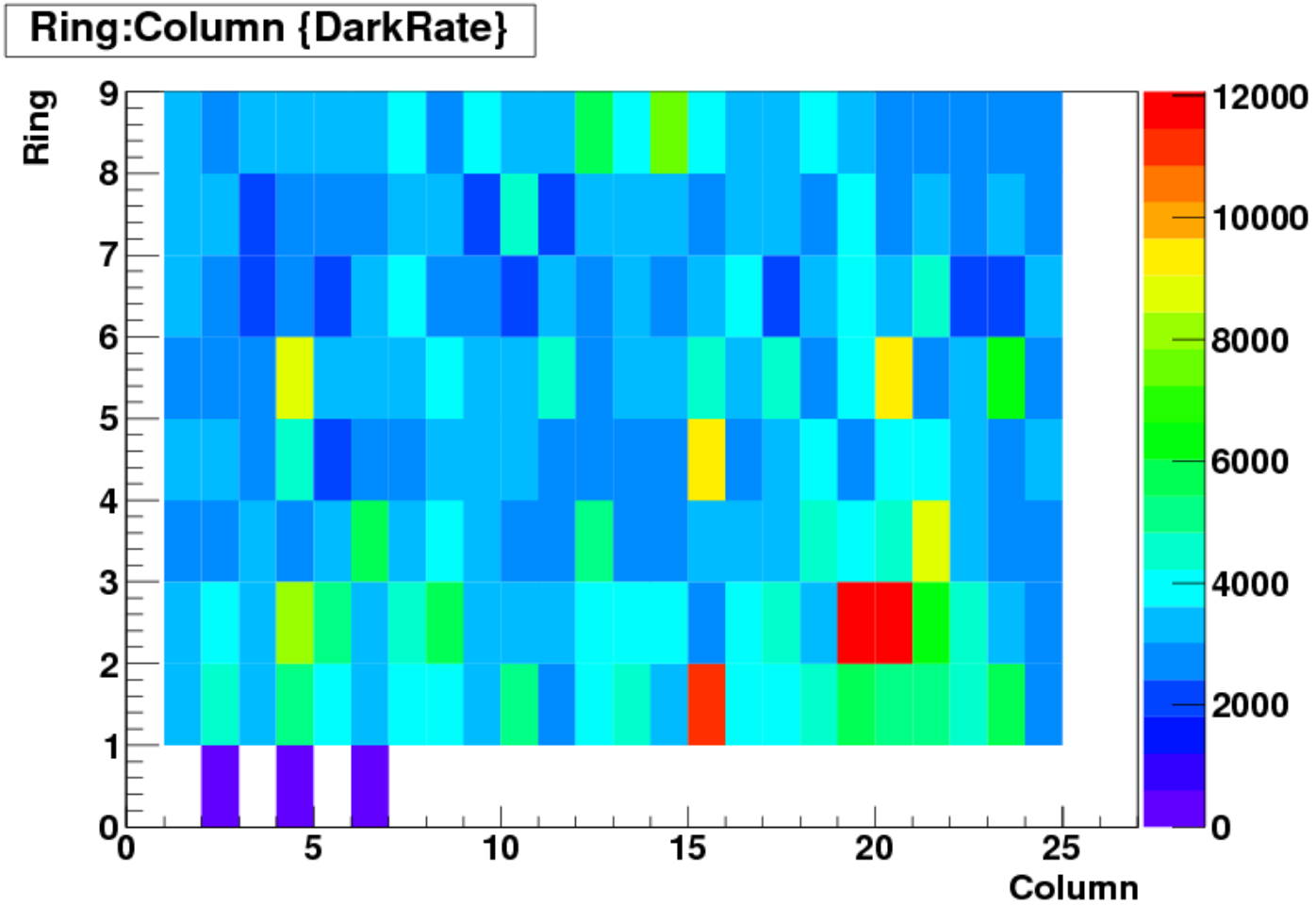

Ring:Column {Chi2ndf}
Ring
Column
0
1
2
3
4
5
6
7
8
9
0
5
10
15
20
25
1.5
1
0.5
0
-0.5
-1

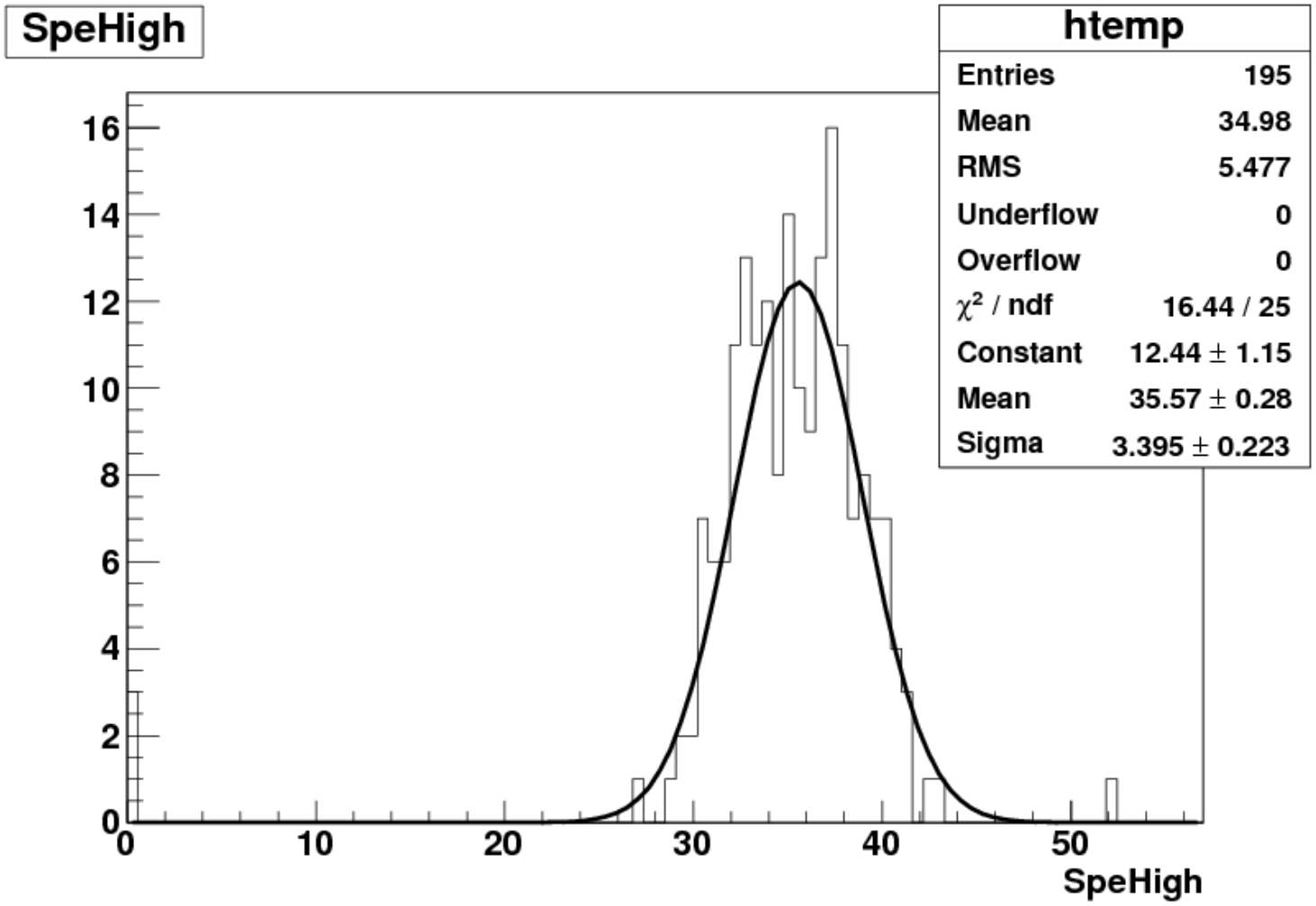
Gain in ADC


Ring:Column {SpeHigh}
Ring
Column
0
1
2
3
4
5
6
7
8
9
0
5
10
15
20
25
50
40
30
20
10
0

Sigma in ADC


Ring:Column {SigmaSpe}
Ring
Column
0
1
2
3
4
5
6
7
8
9
0
5
10
15
20
25
0
10
20
30
40
50

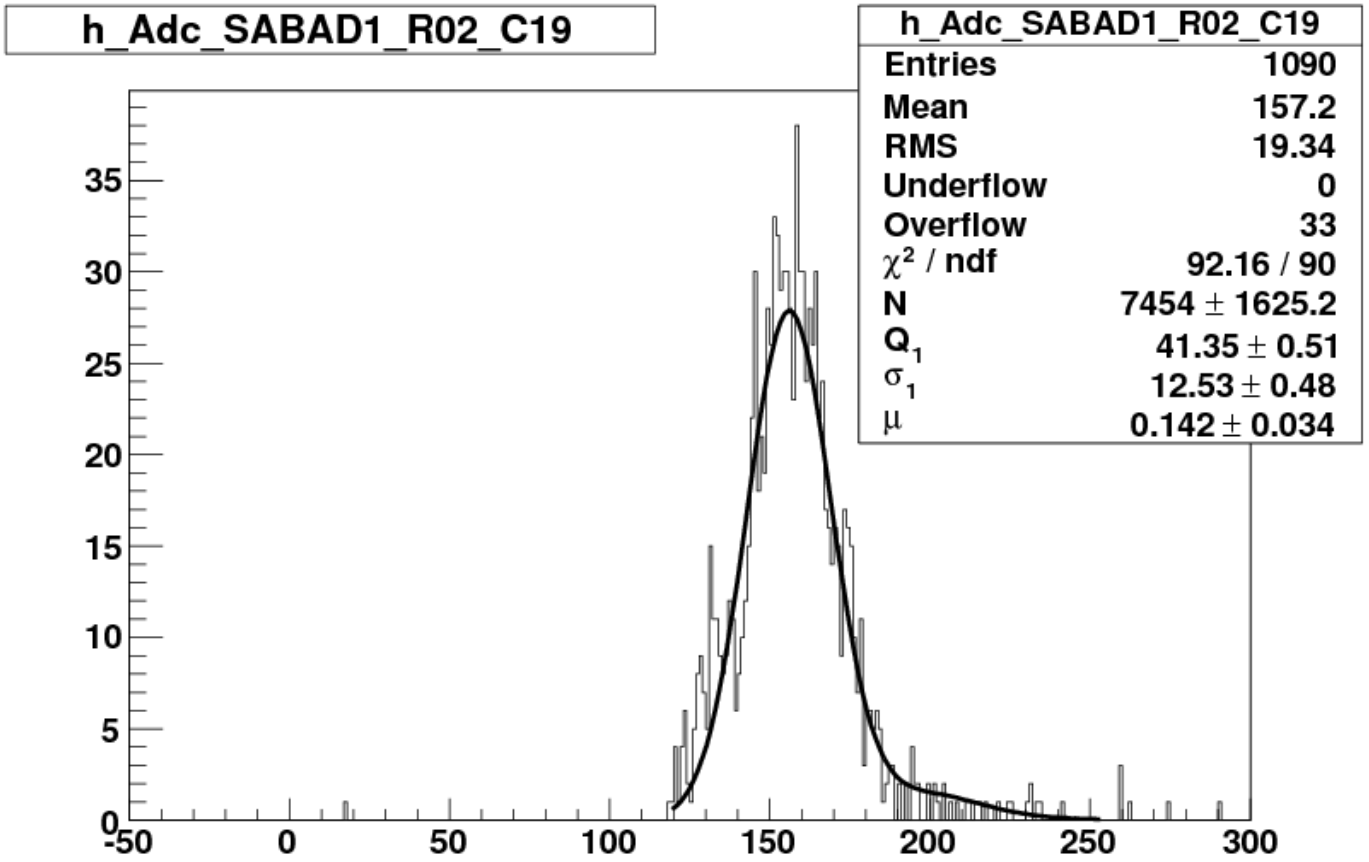

Ring:Column {DarkRate}
Ring
Column
0
1
2
3
4
5
6
7
8
9
0
5
10
15
20
25
12000
10000
8000
6000
4000
2000
0


SpeHigh
htemp
Entries 195
Mean 34.98
RMS 5.477
Underflow 0
Overflow 0
χ² / ndf 16.44 / 25
Constant 12.44 ± 1.15
Mean 35.57 ± 0.28
Sigma 3.395 ± 0.223
0
2
4
6
8
10
12
14
16
0
10
20
30
40
50
SpeHigh

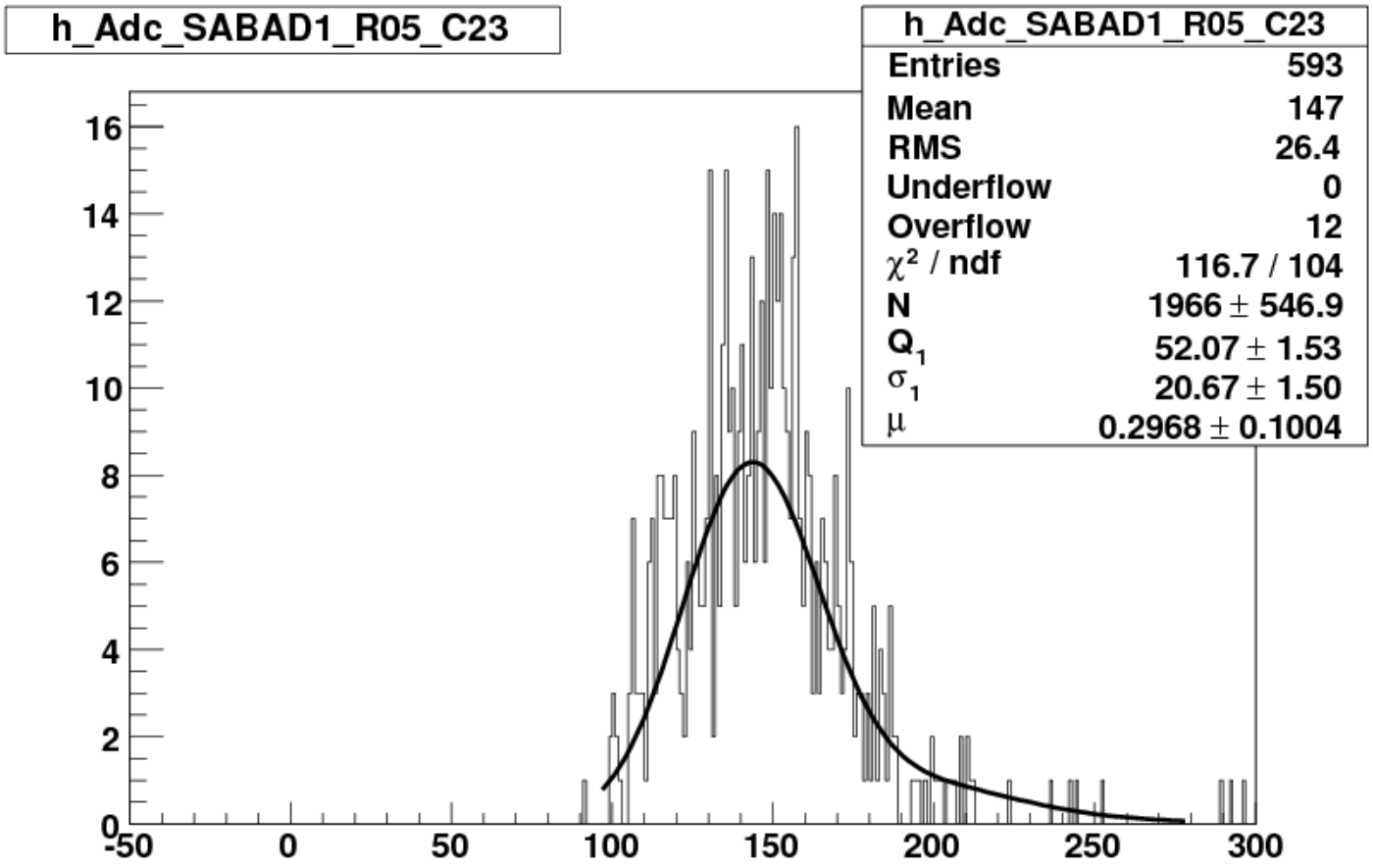
Gain in ADC

| | |
|---|---|
| R2C19<br>R2C20<br>R1C15 | High hit rate |
| R5C23 | High Gain. Wrong HV setting. Corrected. |
| R7C17 | High sigma<br>Bad fit, manually fixed |

Fitting result for R2C19



Fitting result for R5C23



This talk is really not very critical.
I just need a green light to commit them to the trunk.
Or people want this goes into database.