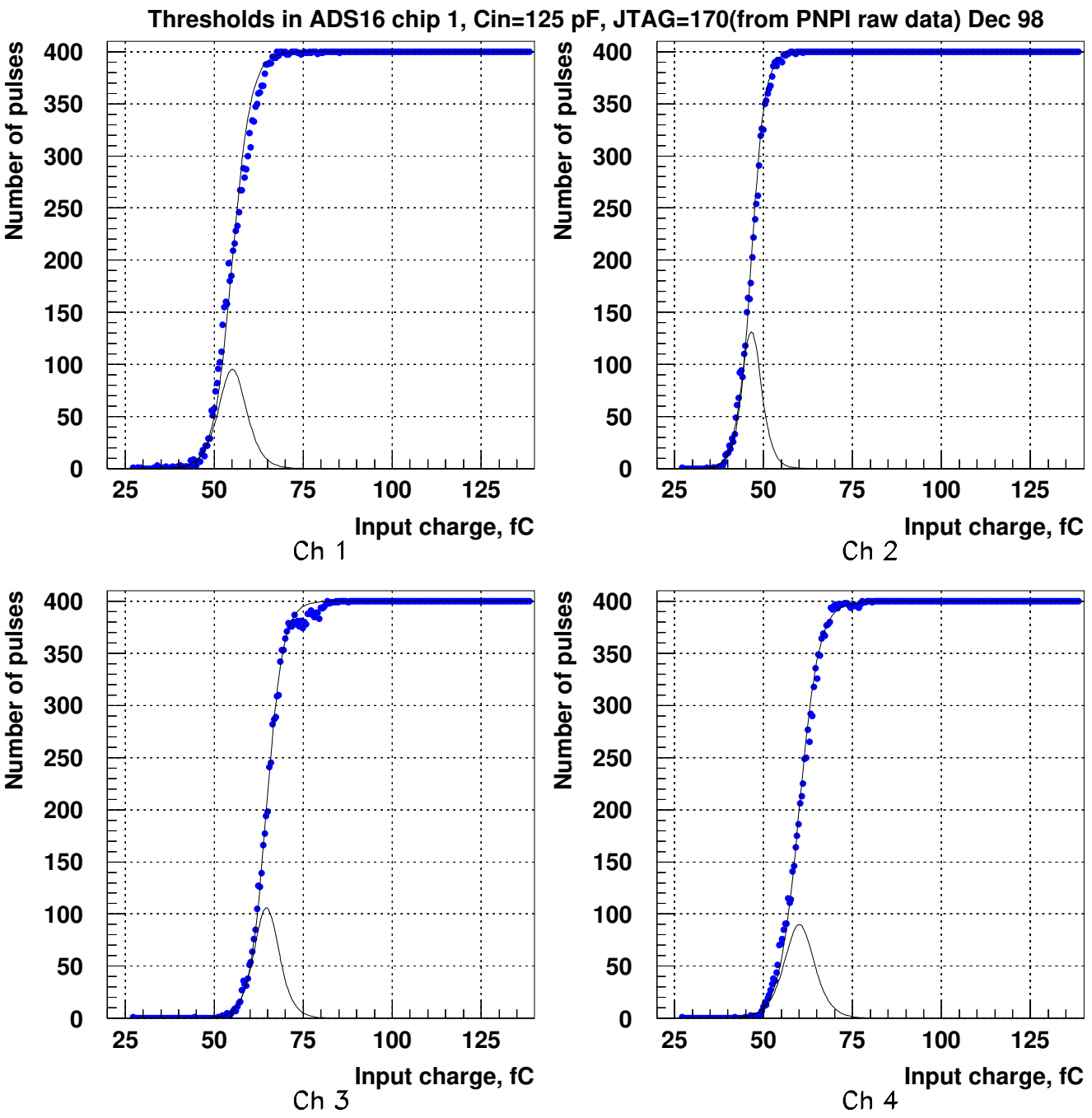
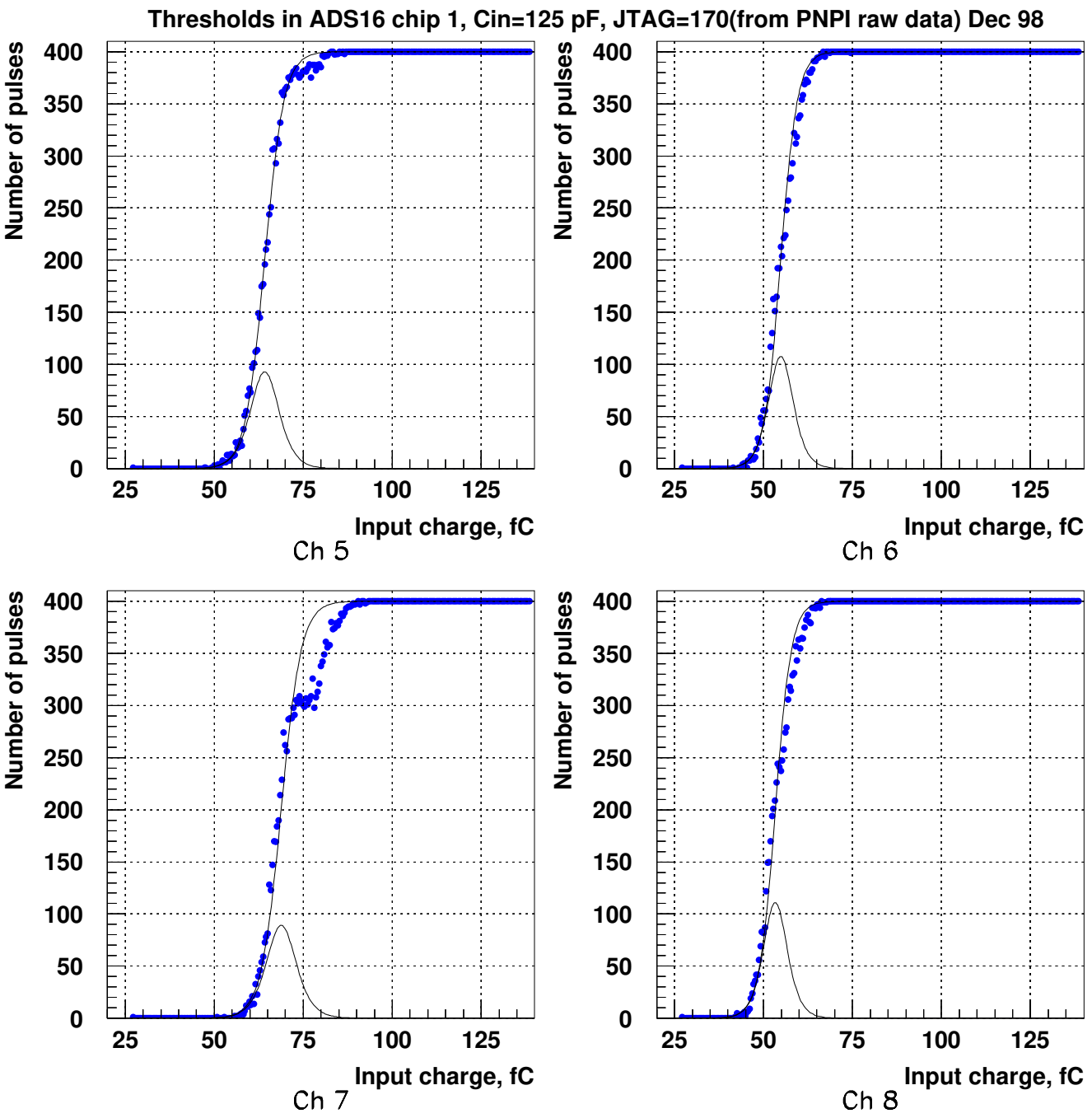
98/12/13 14.11

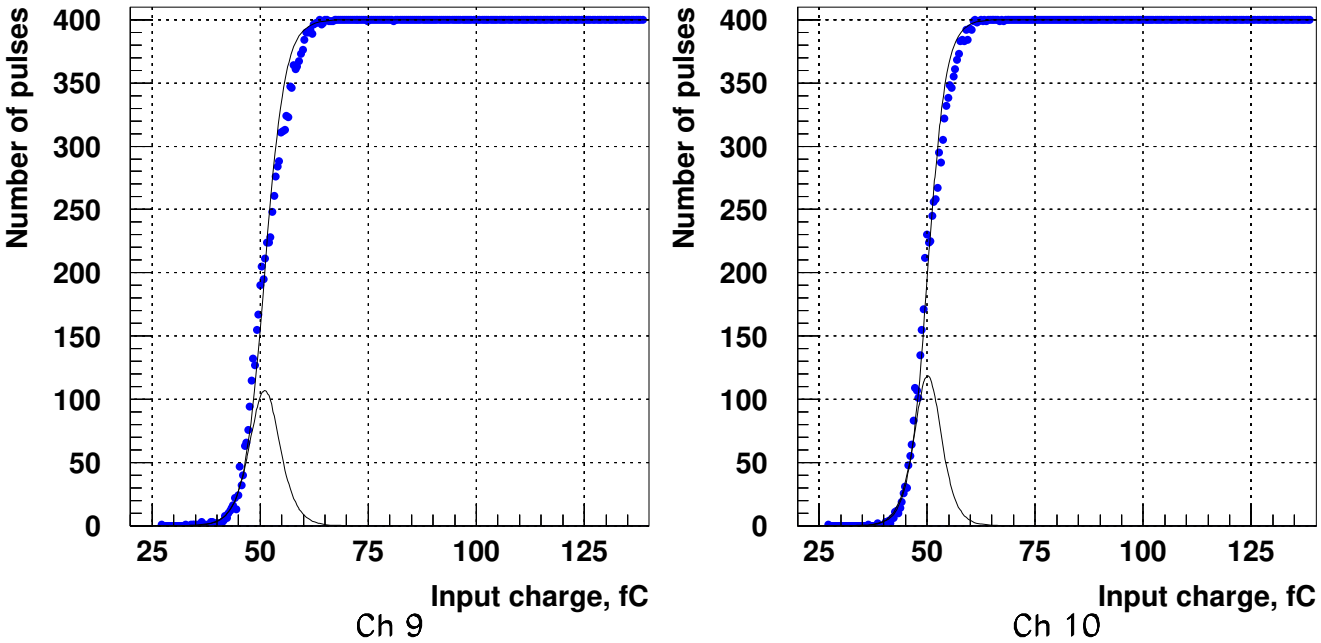

Thresholds in ADS16 chip 1, Cin=125 pF, JTAG=170(from PNPI raw data) Dec 98
Number of pulses
Input charge, fC
Ch 1
Ch 2
Ch 3
Ch 4
0
50
100
150
200
250
300
350
400
25
50
75
100
125

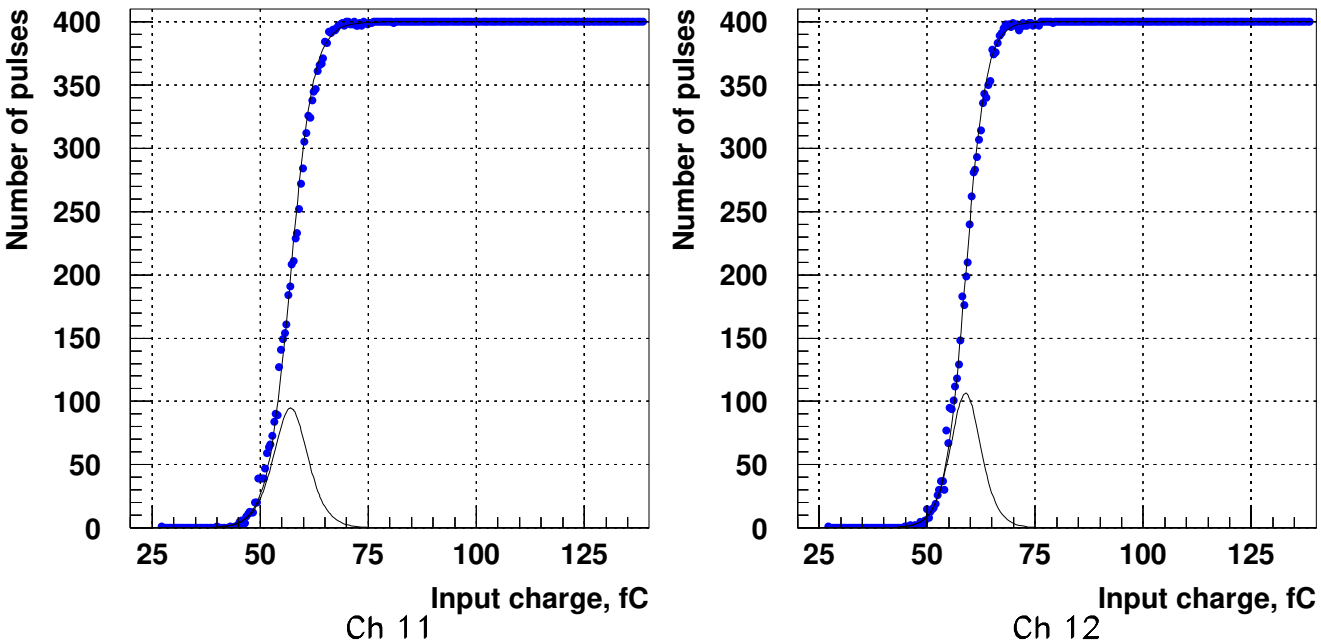
98/12/13 14.11


Thresholds in ADS16 chip 1, Cin=125 pF, JTAG=170(from PNPI raw data) Dec 98
Number of pulses
Input charge, fC
Ch 5
Ch 6
Ch 7
Ch 8

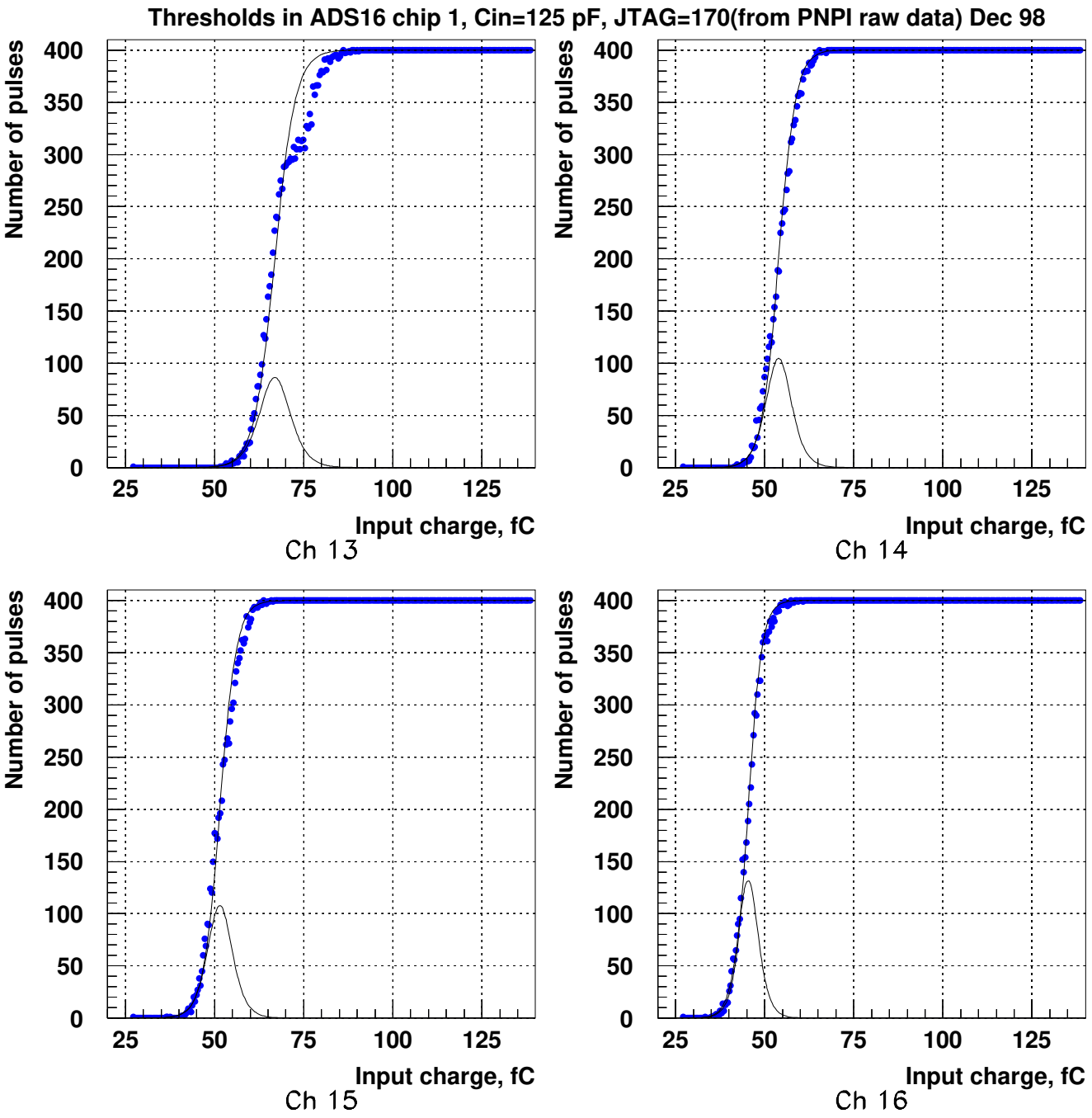
98/12/13 14.12

Thresholds in ADS16 chip 1, Cin=125 pF, JTAG=170(from PNPI raw data) Dec 98

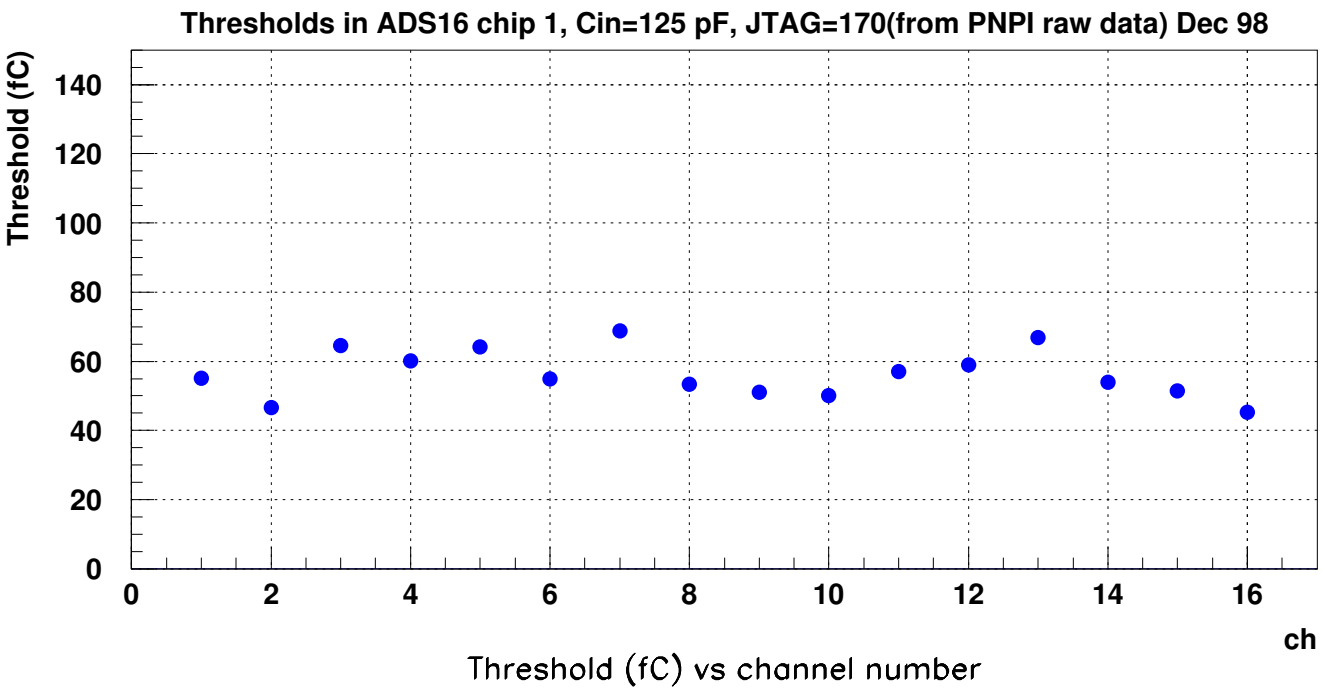




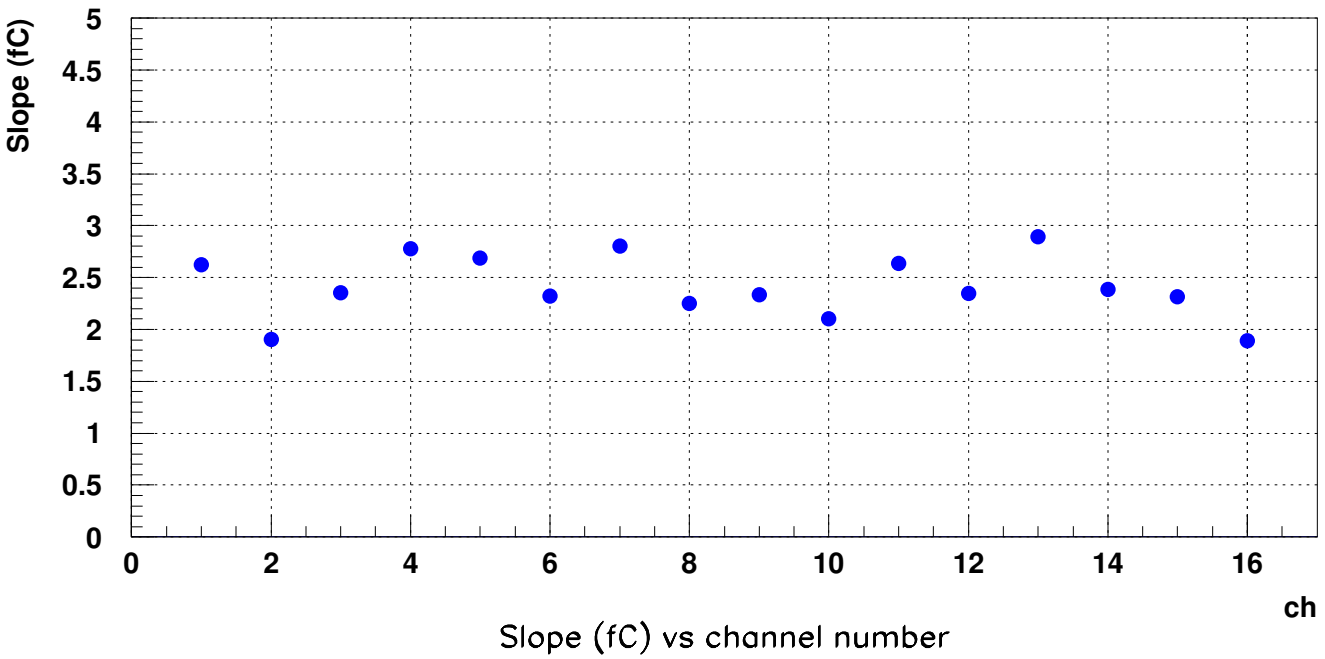
98/12/13 14.12


Thresholds in ADS16 chip 1, Cin=125 pF, JTAG=170(from PNPI raw data) Dec 98
Number of pulses
Input charge, fC
Ch 13
Ch 14
Ch 15
Ch 16
0
50
100
150
200
250
300
350
400
25
50
75
100
125

98/12/13 14.12



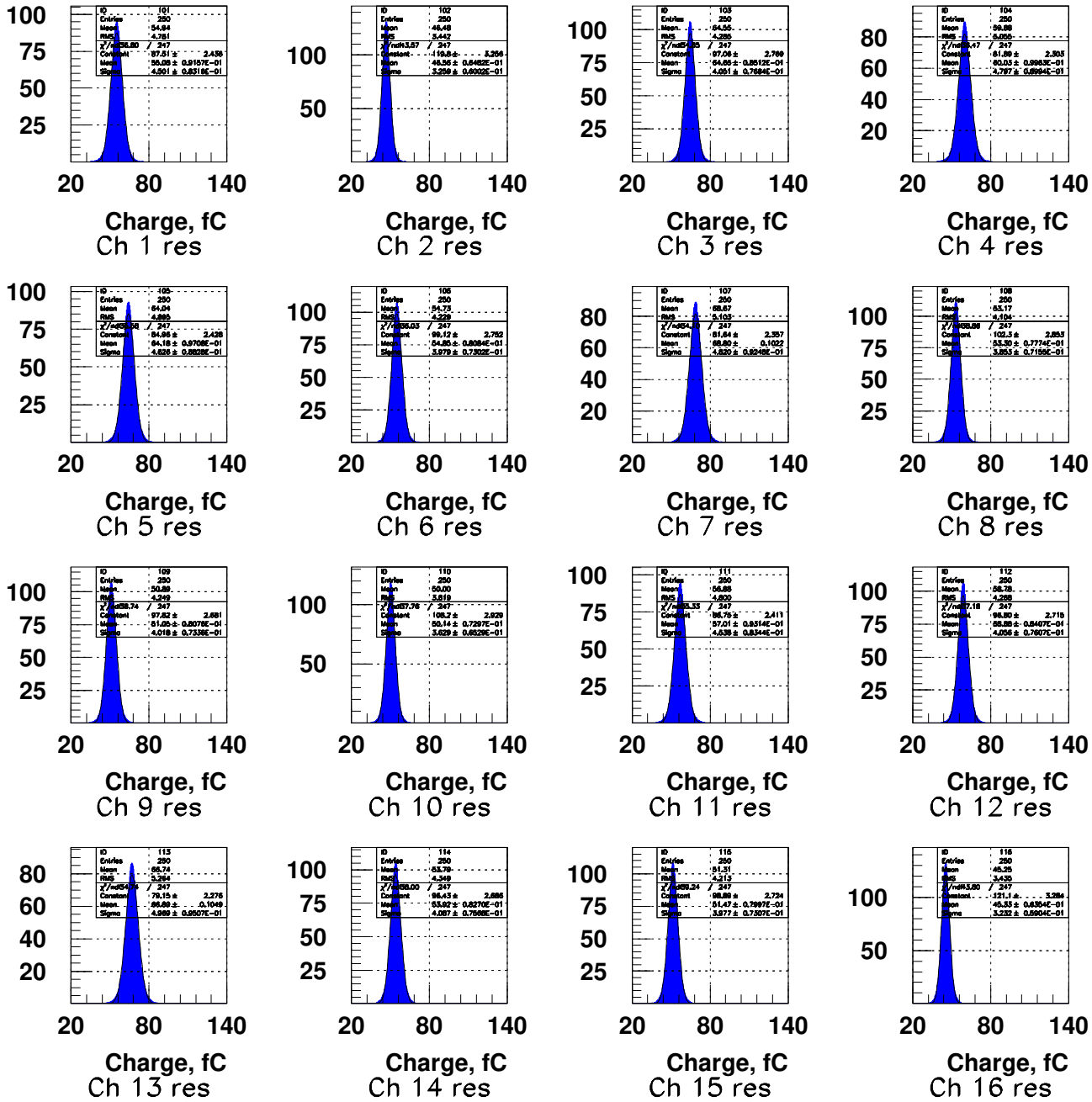
Threshold (fC) vs channel number



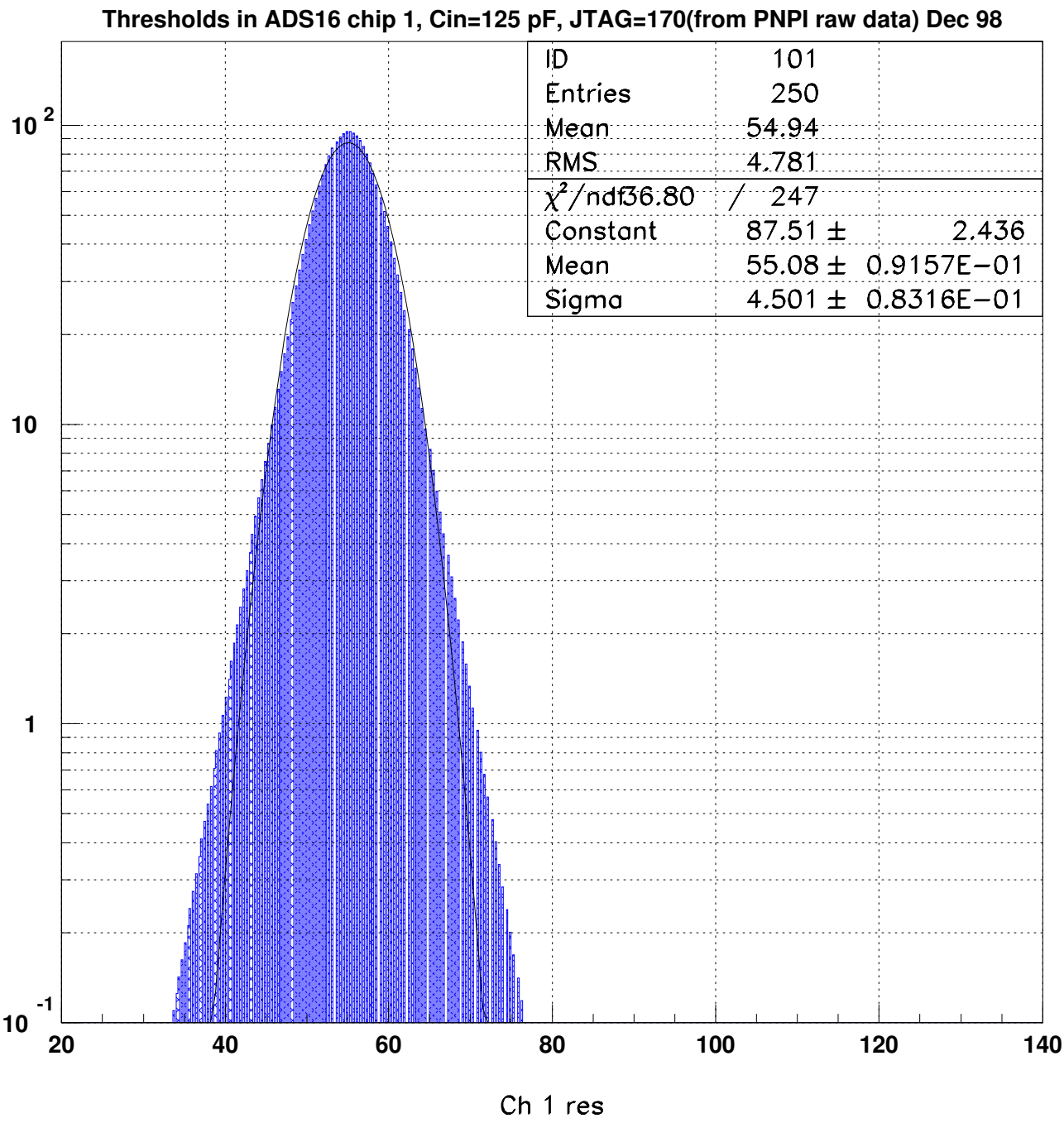
Slope (fC) vs channel number

98/12/13 14.12

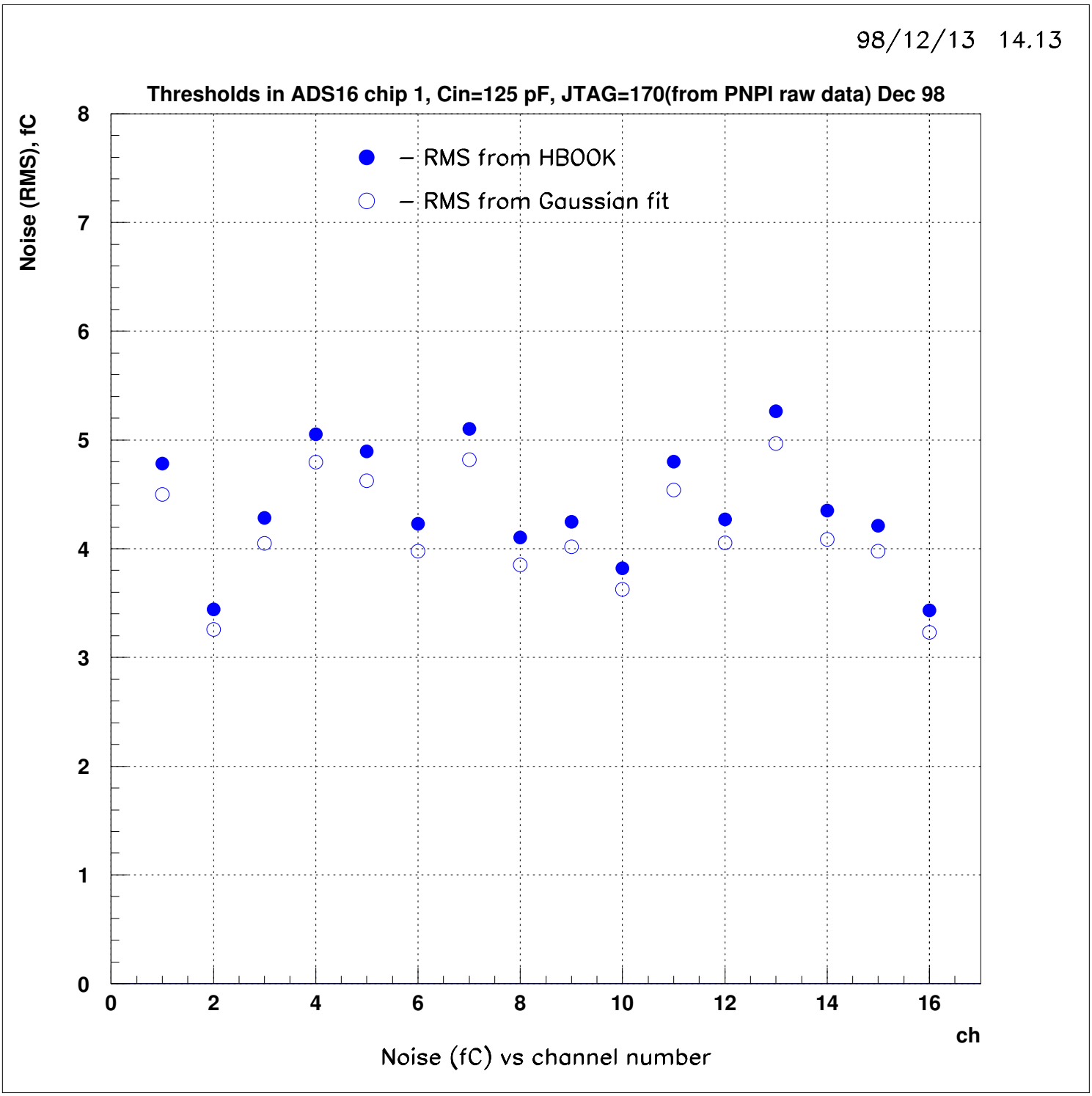
Thresholds in ADS16 chip 1, Cin=125 pF, JTAG=170(from PNPI raw data) Dec 98



98/12/13 14.13


Thresholds in ADS16 chip 1, Cin=125 pF, JTAG=170(from PNPI raw data) Dec 98
ID 101
Entries 250
Mean 54.94
RMS 4.781
χ²/ndf 36.80 / 247
Constant 87.51 ± 2.436
Mean 55.08 ± 0.9157E−01
Sigma 4.501 ± 0.8316E−01
10 2
10
1
10 -1
20
40
60
80
100
120
140
Ch 1 res

98/12/13 14.13


Thresholds in ADS16 chip 1, Cin=125 pF, JTAG=170(from PNPI raw data) Dec 98
Noise (RMS), fC
– RMS from HBOOK
– RMS from Gaussian fit
0
1
2
3
4
5
6
7
8
0
2
4
6
8
10
12
14
16
ch
Noise (fC) vs channel number