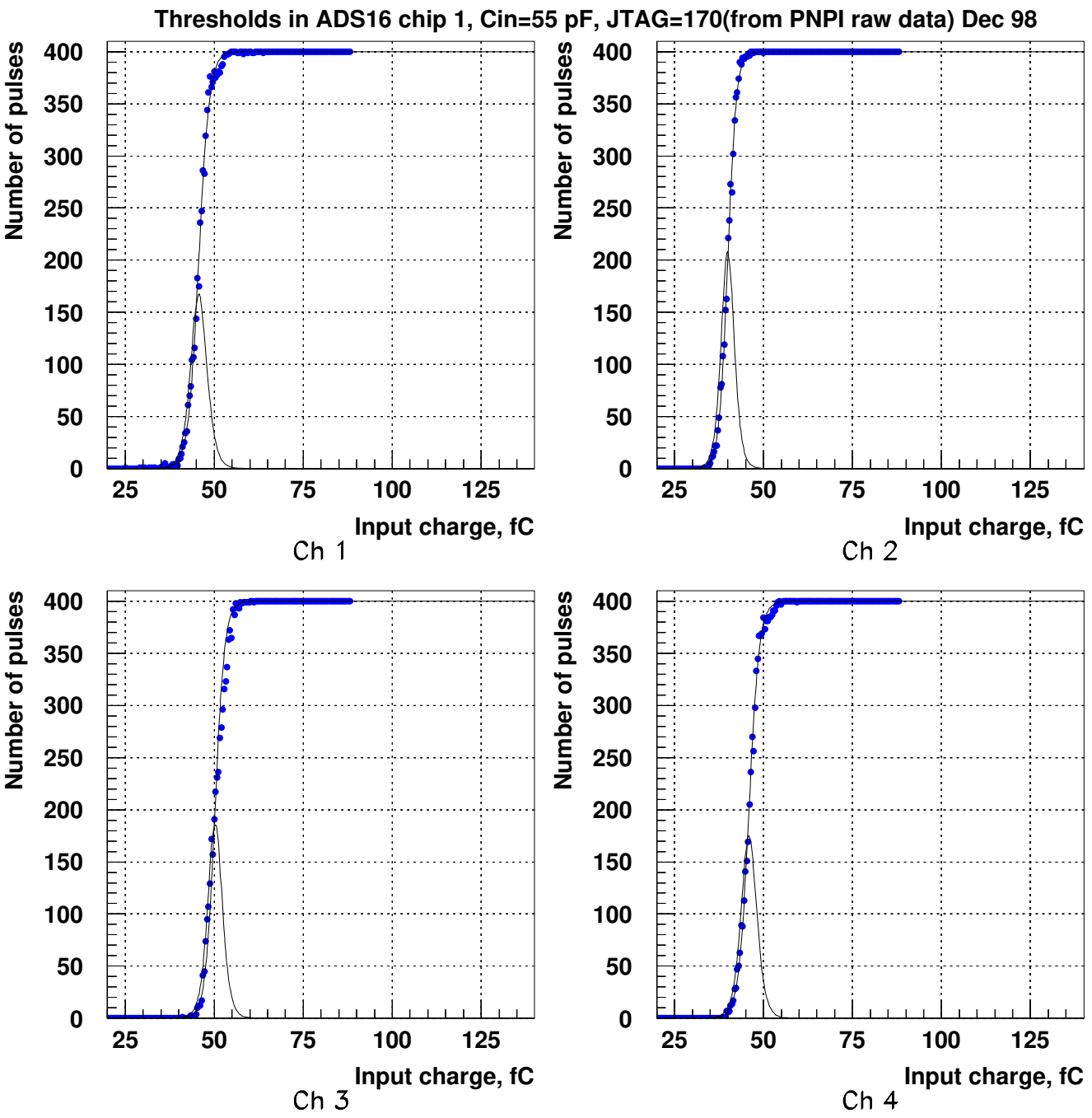
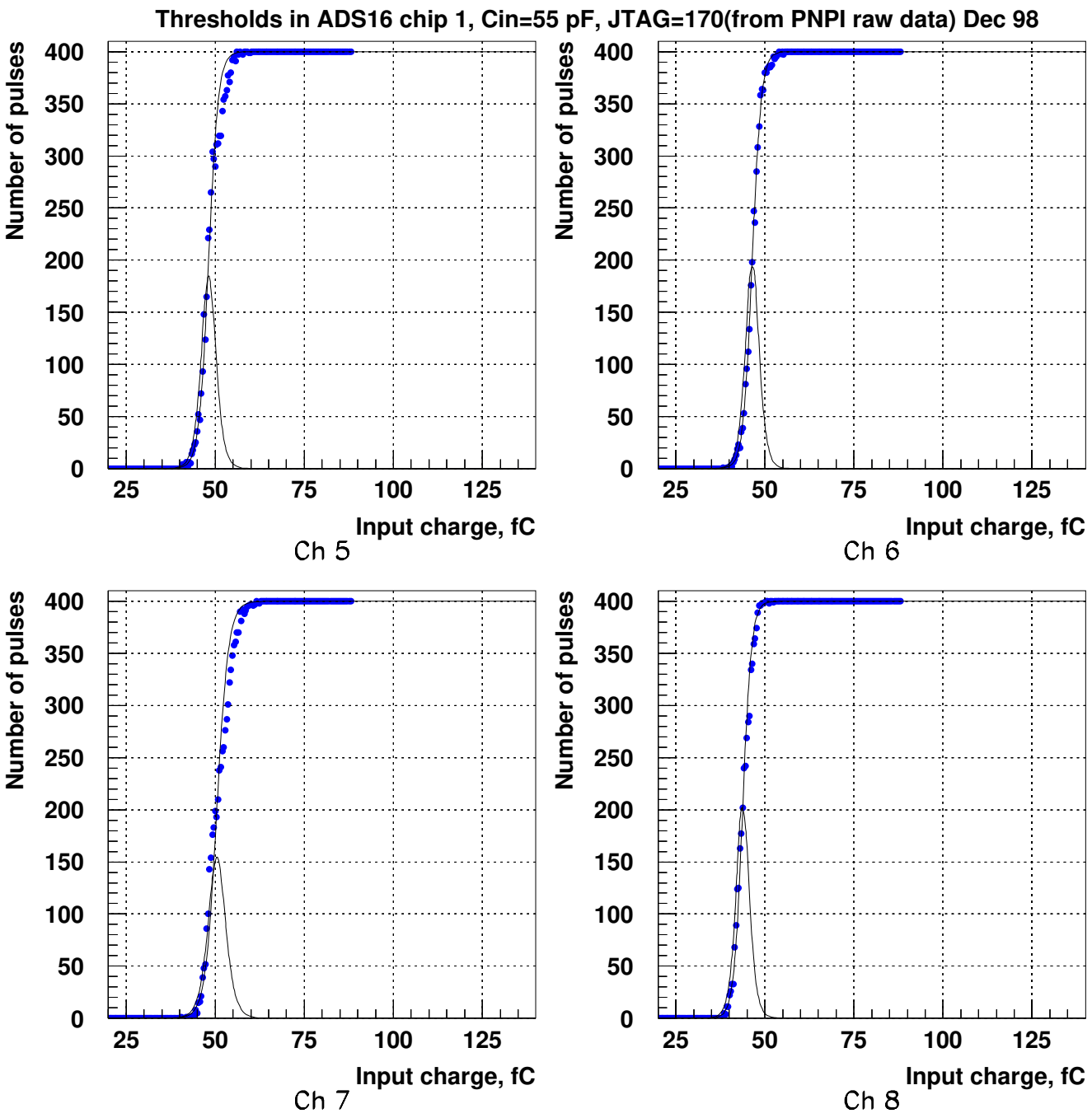
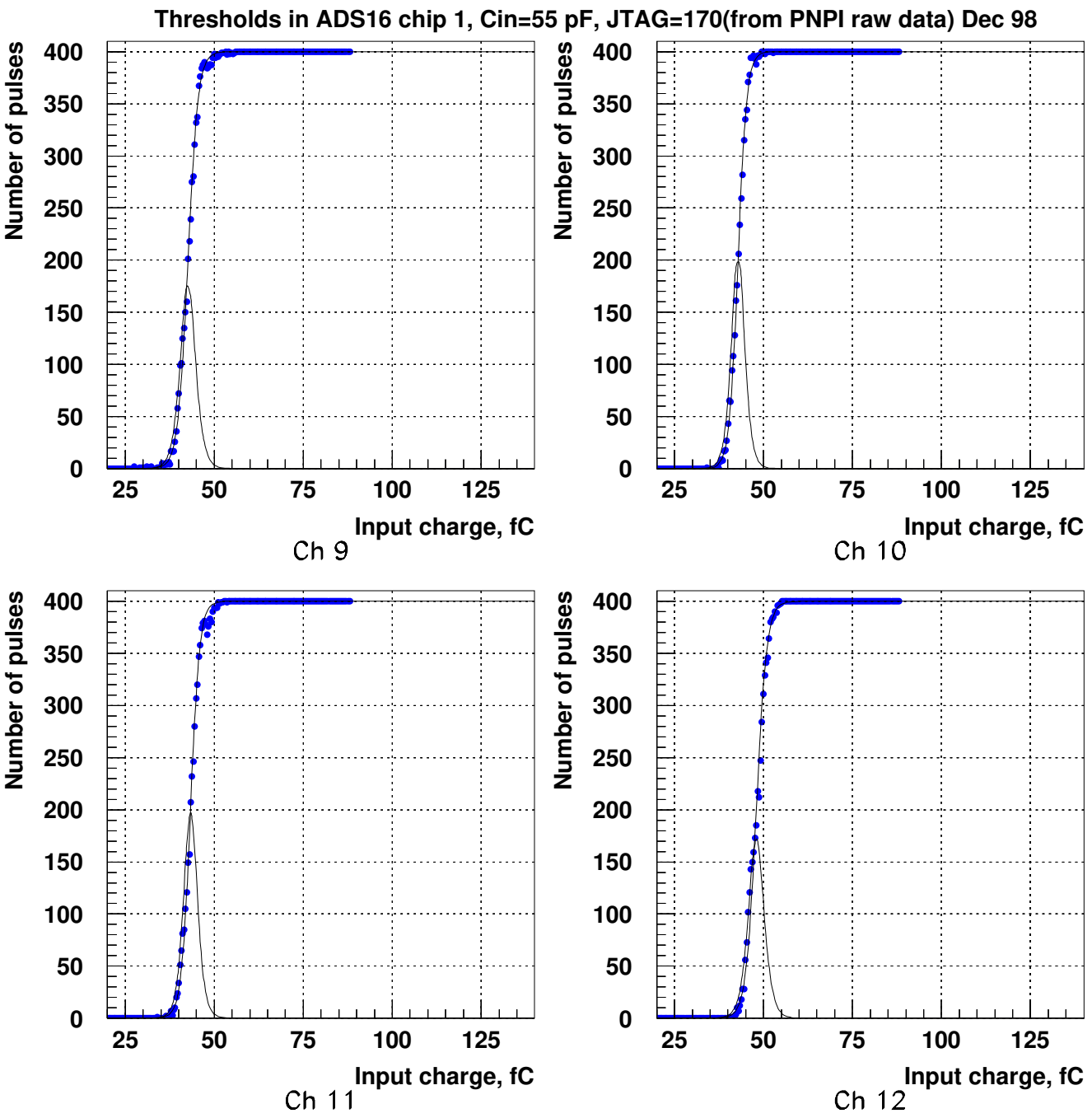
98/12/13 14.18


Thresholds in ADS16 chip 1, Cin=55 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

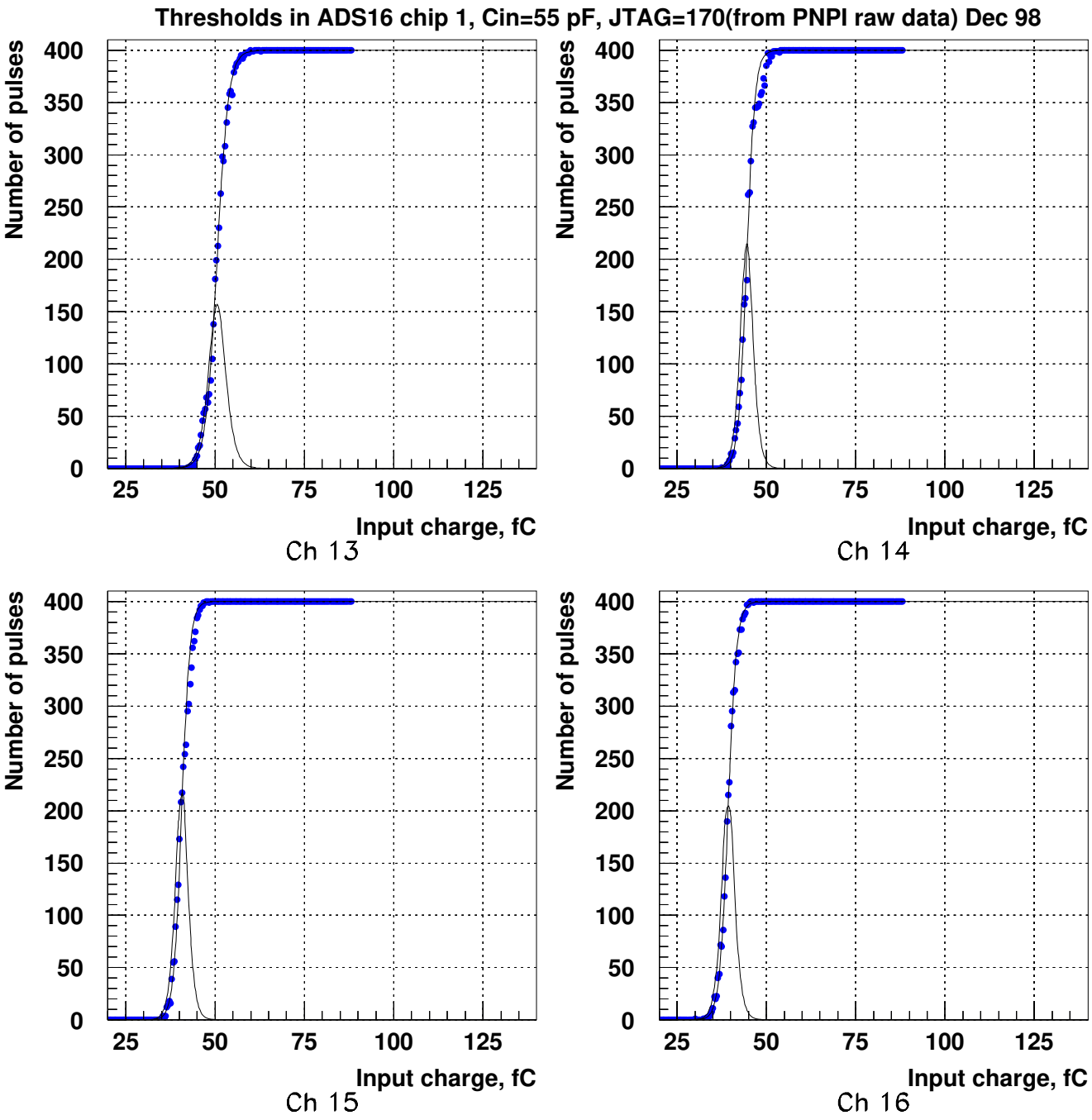
98/12/13 14.18


Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=170(from PNPI raw data) Dec 98
Number of pulses
0
50
100
150
200
250
300
350
400
25
50
75
100
125
Input charge, fC
Ch 5
Ch 6
Ch 7
Ch 8

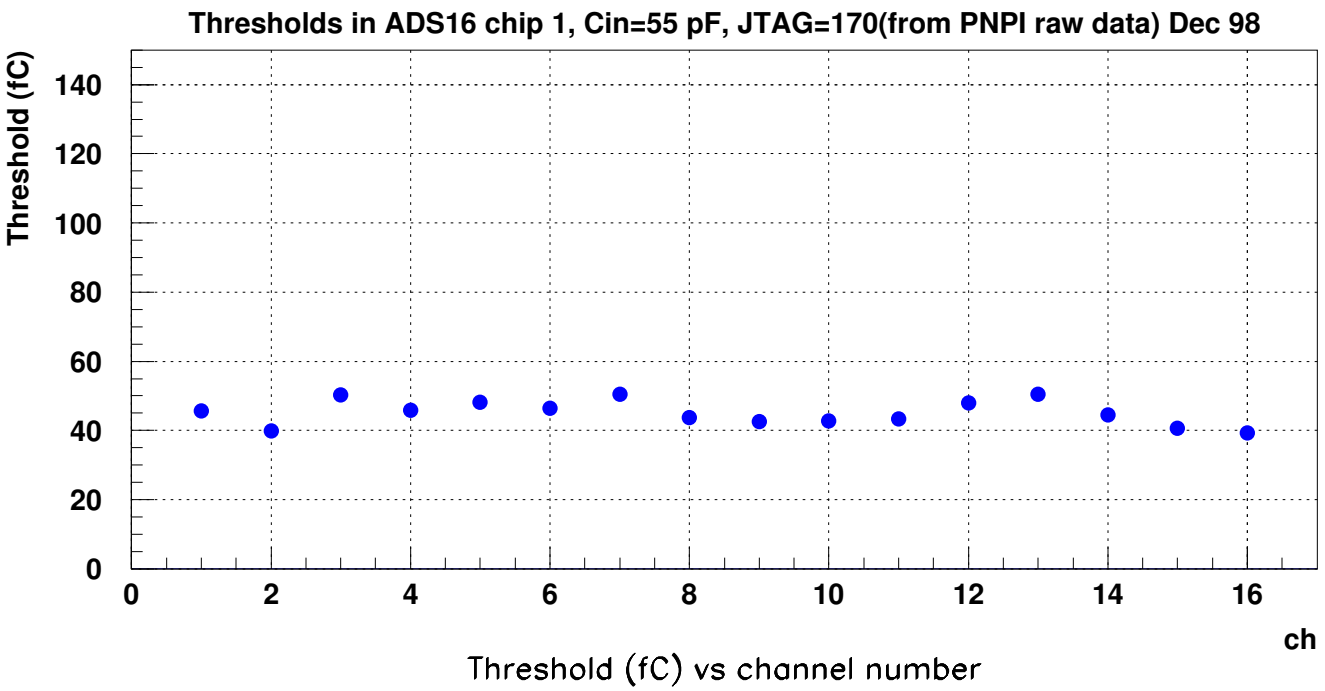
98/12/13 14.18


Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=170(from PNPI raw data) Dec 98
Number of pulses
Input charge, fC
Ch 9
Ch 10
Ch 11
Ch 12

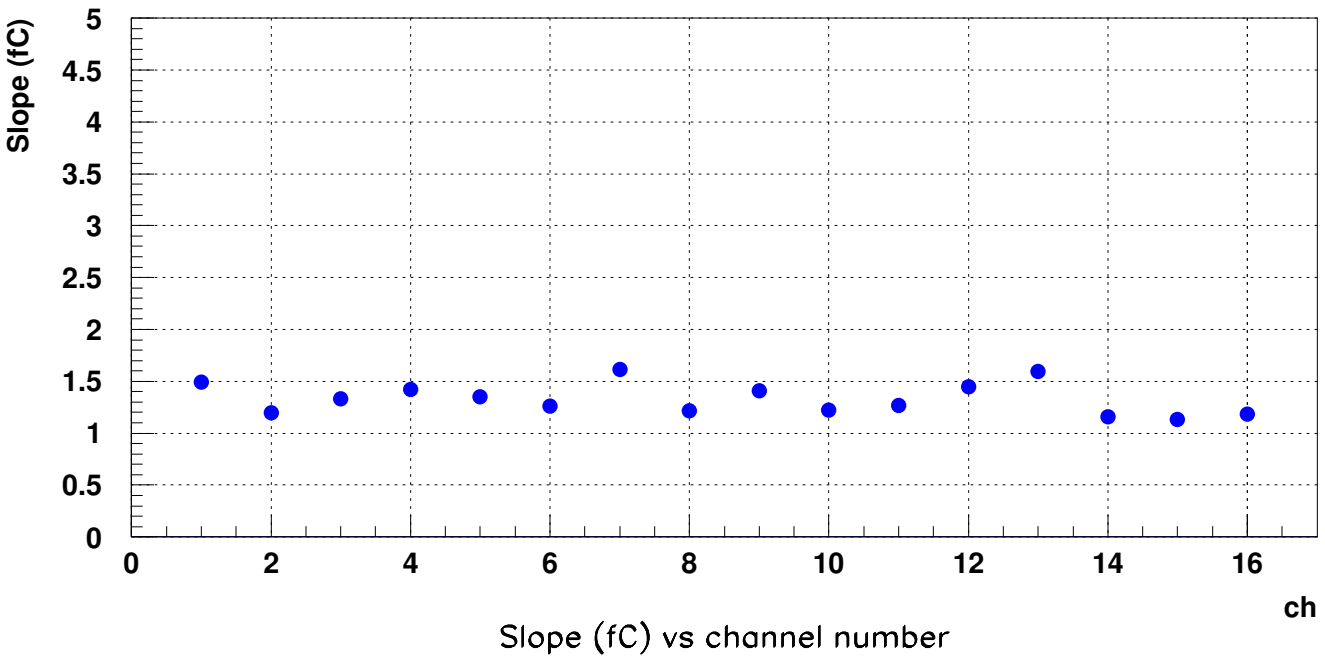
98/12/13 14.18


Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=170(from PNPI raw data) Dec 98
Number of pulses
Input charge, fC
Ch 13
Ch 14
Ch 15
Ch 16

98/12/13 14.19



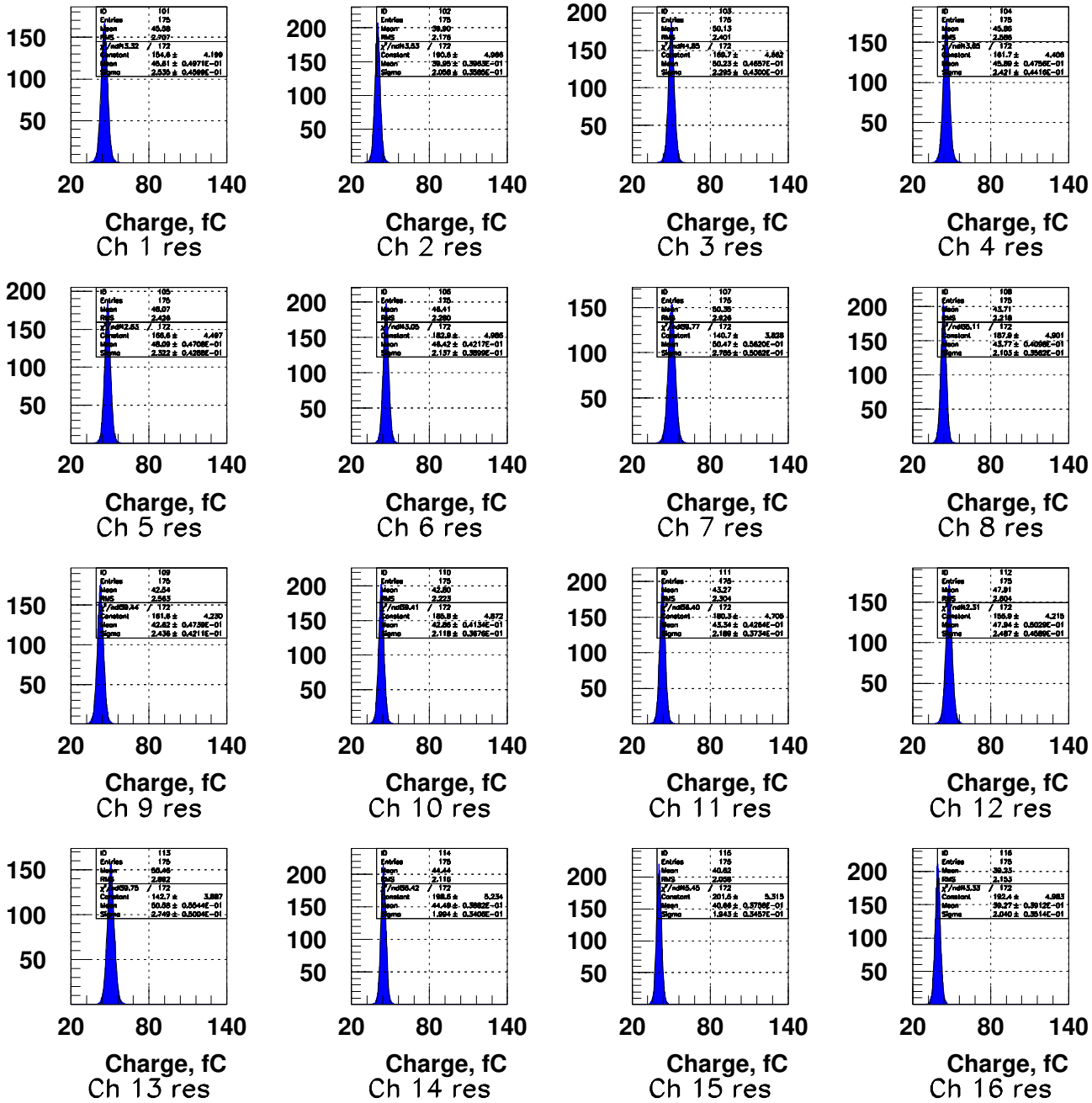
Threshold (fC) vs channel number



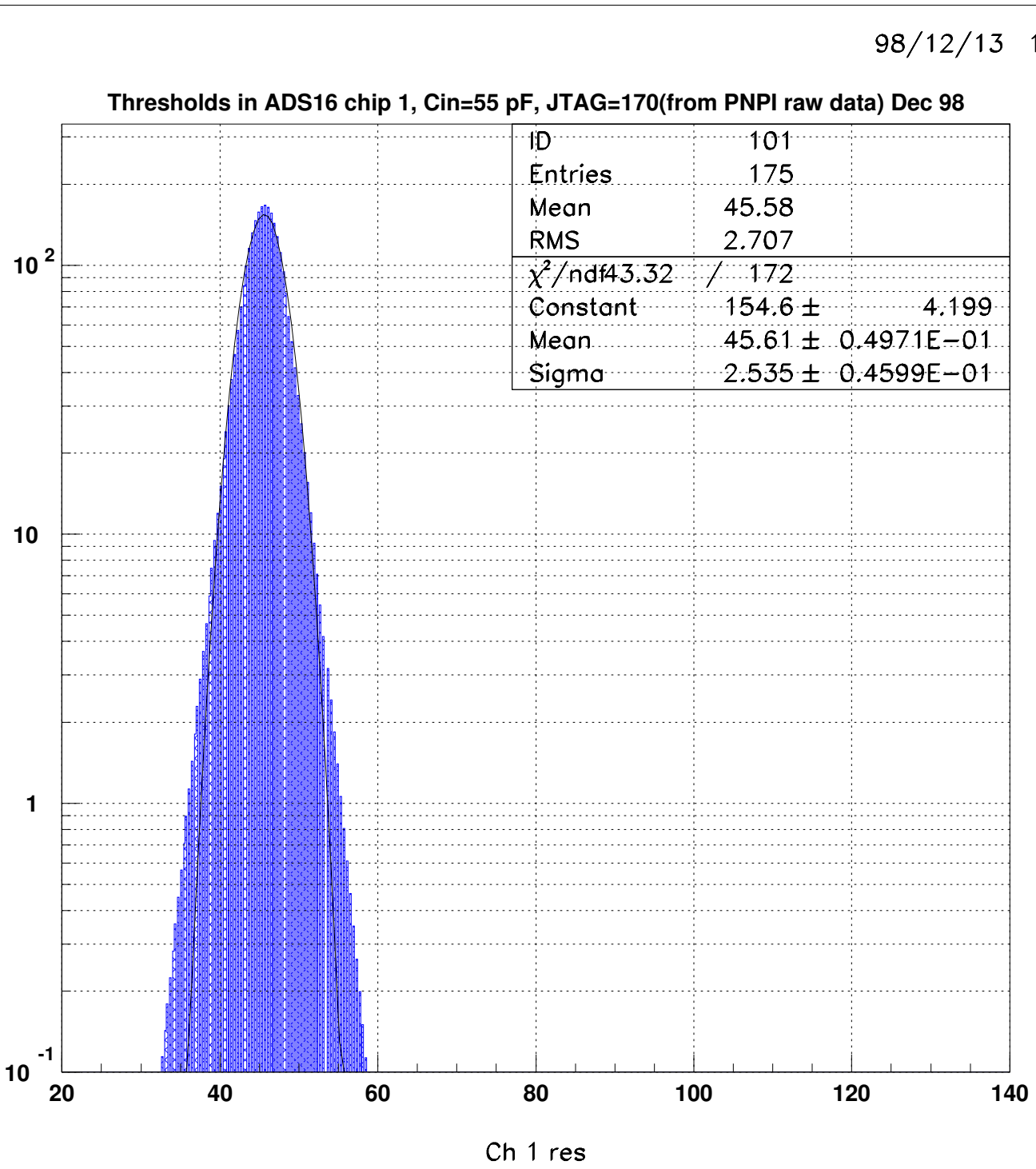
Slope (fC) vs channel number

98/12/13 14.19

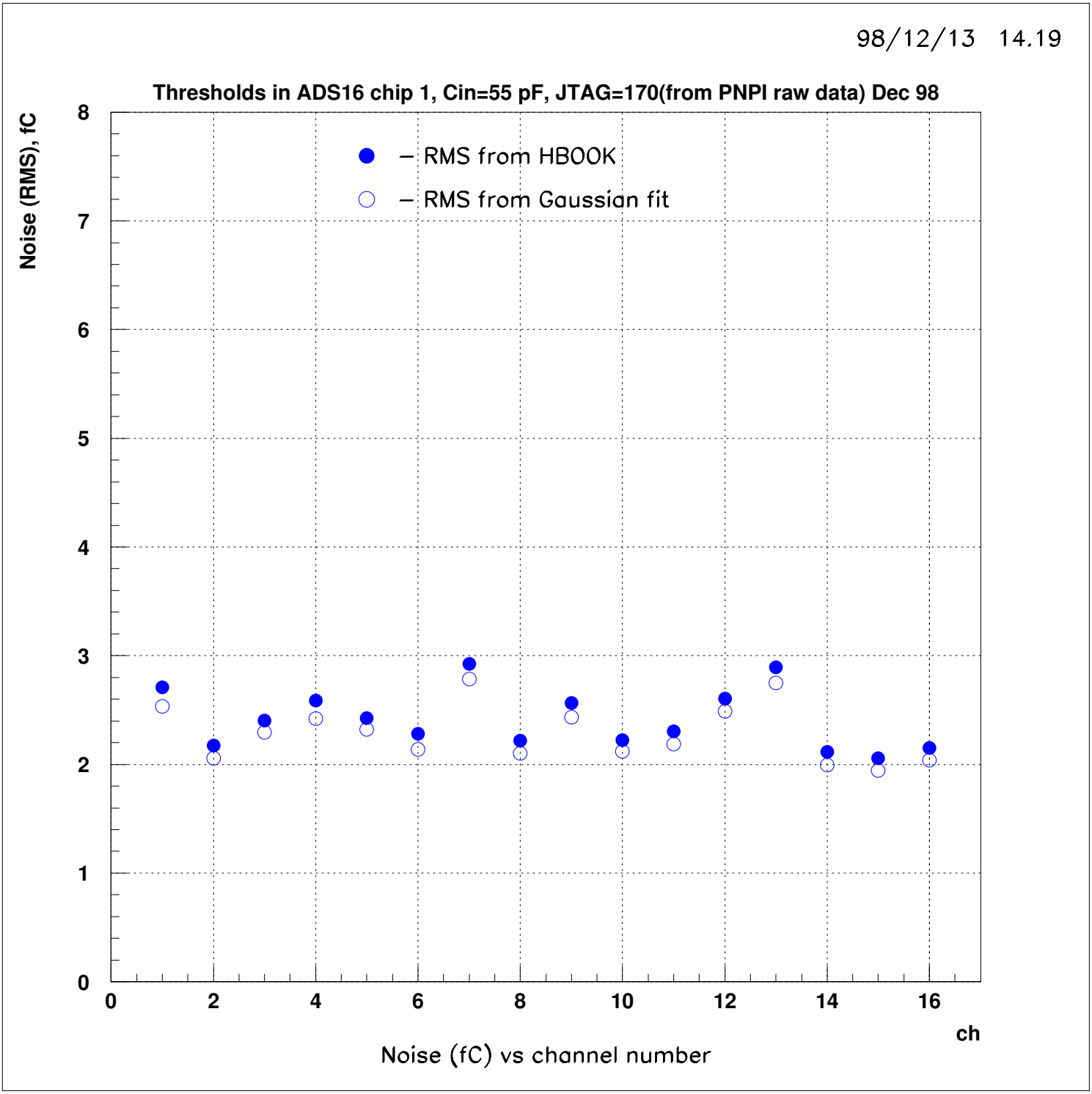
Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=170(from PNPI raw data) Dec 98



98/12/13 14.19


Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=170(from PNPI raw data) Dec 98
ID 101
Entries 175
Mean 45.58
RMS 2.707
χ²/ndf 43.32 / 172
Constant 154.6 ± 4.199
Mean 45.61 ± 0.4971E-01
Sigma 2.535 ± 0.4599E-01
10²
10
1
10⁻¹
20
40
60
80
100
120
140
Ch 1 res

98/12/13 14.19


Thresholds in ADS16 chip 1, Cin=55 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