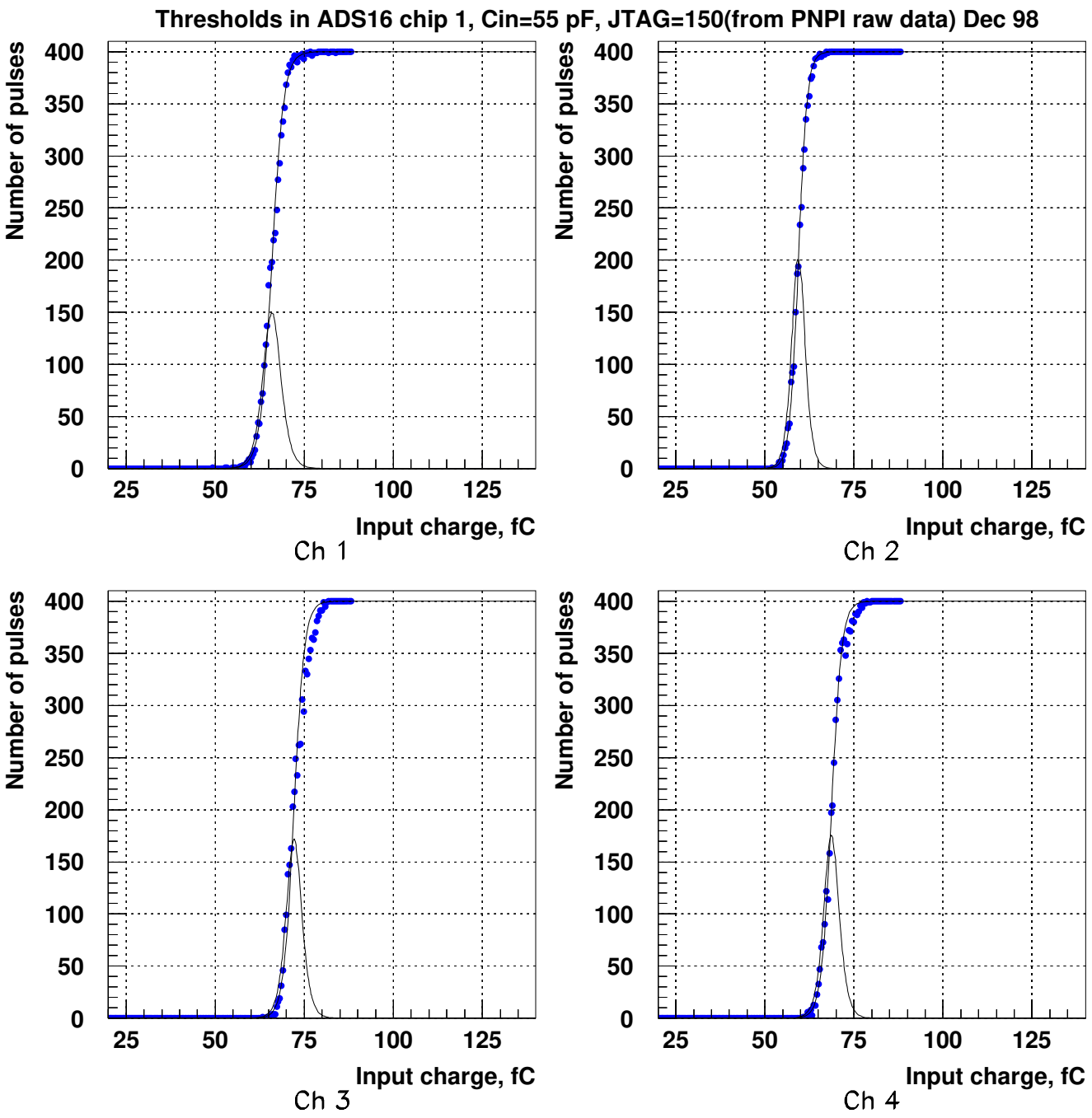
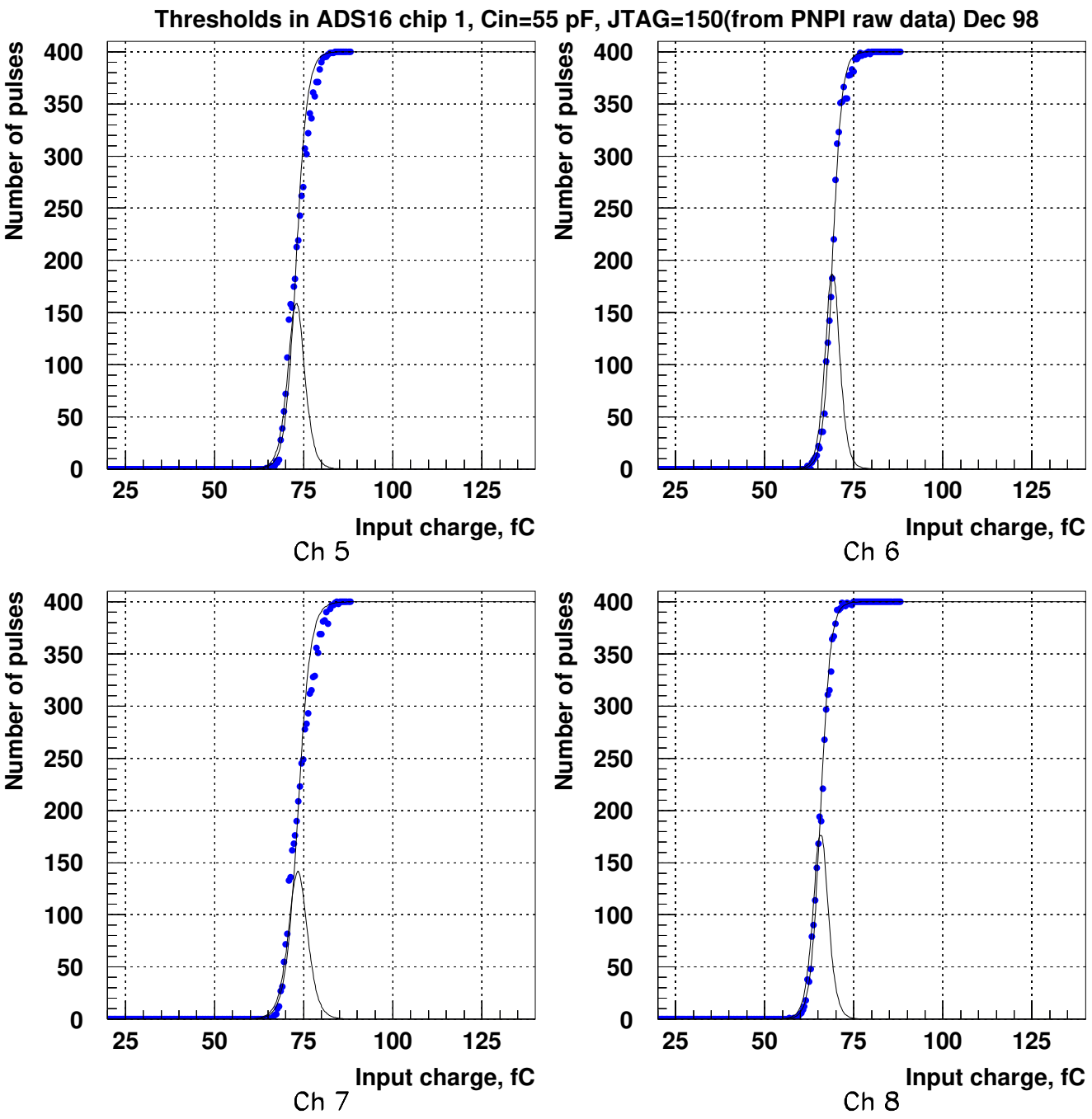
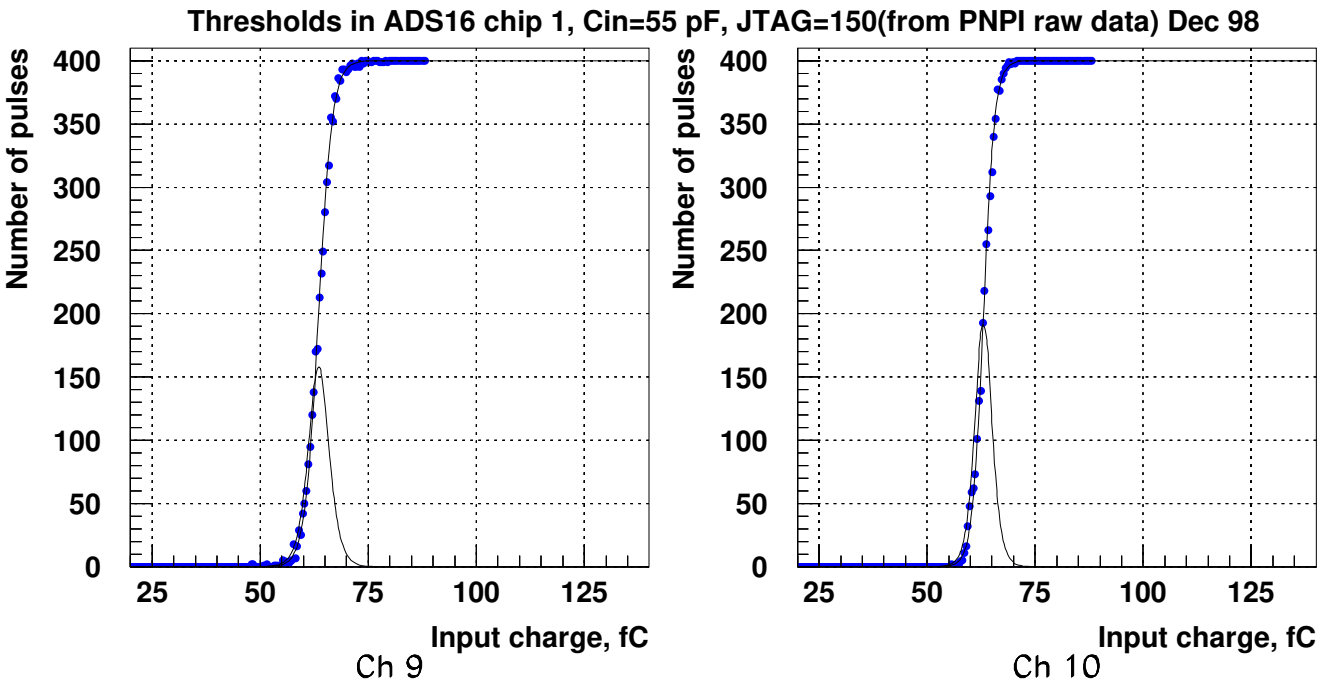
98/12/13 14.33

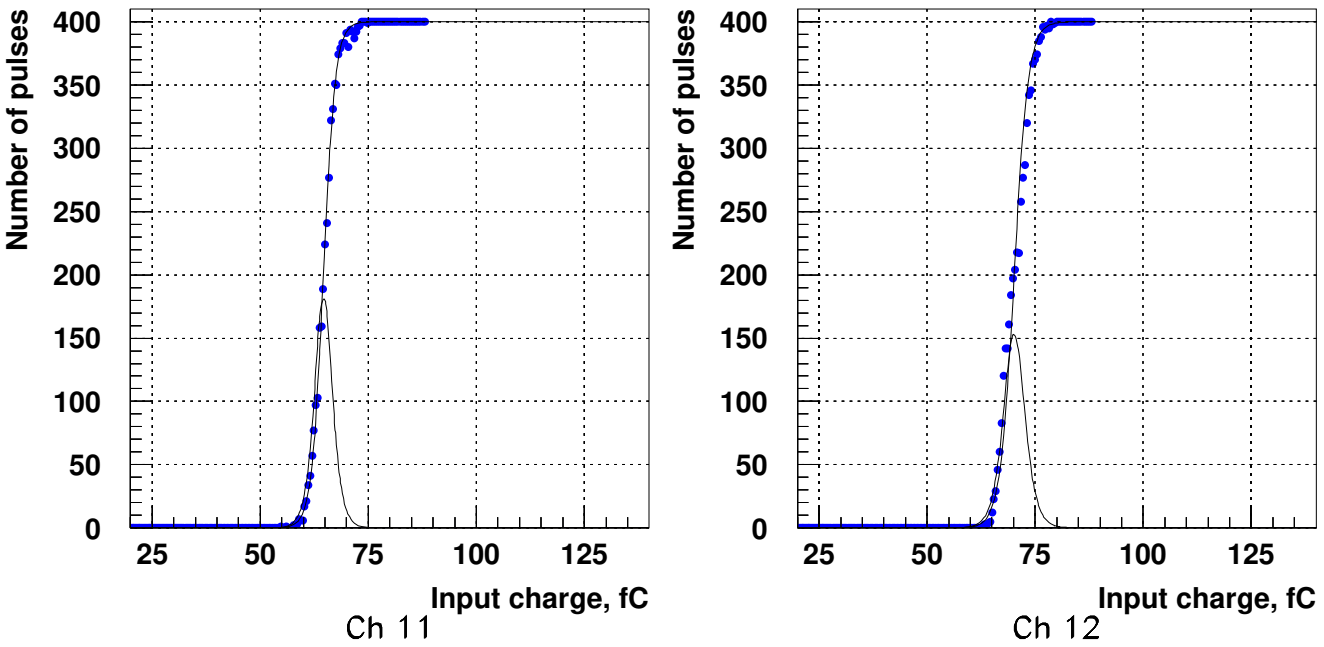

Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=150(from PNPI raw data) Dec 98
Number of pulses
Input charge, fC
Ch 1
Ch 2
Ch 3
Ch 4

98/12/13 14.33


Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=150(from PNPI raw data) Dec 98
Number of pulses
Input charge, fC
Ch 5
Ch 6
Ch 7
Ch 8

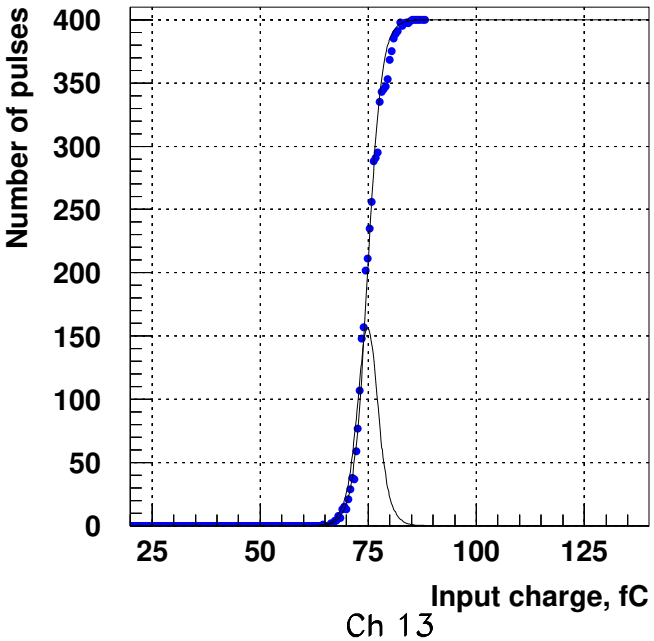
98/12/13 14.33


Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=150(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 9
Ch 10

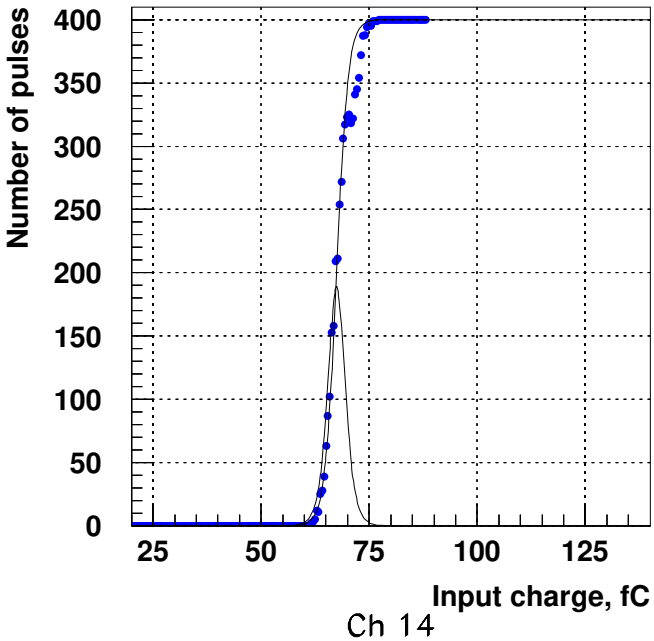

Number of pulses
0
50
100
150
200
250
300
350
400
25
50
75
100
125
Input charge, fC
Ch 11
Ch 12

98/12/13 14.33

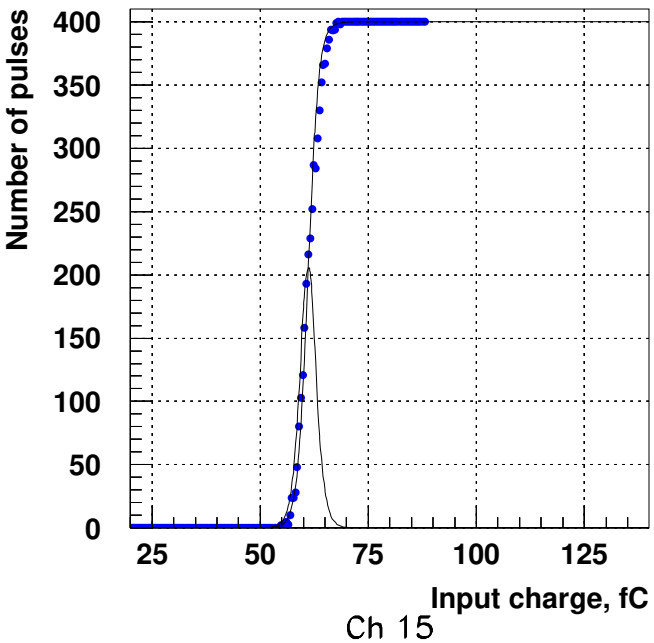
Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=150(from PNPI raw data) Dec 98



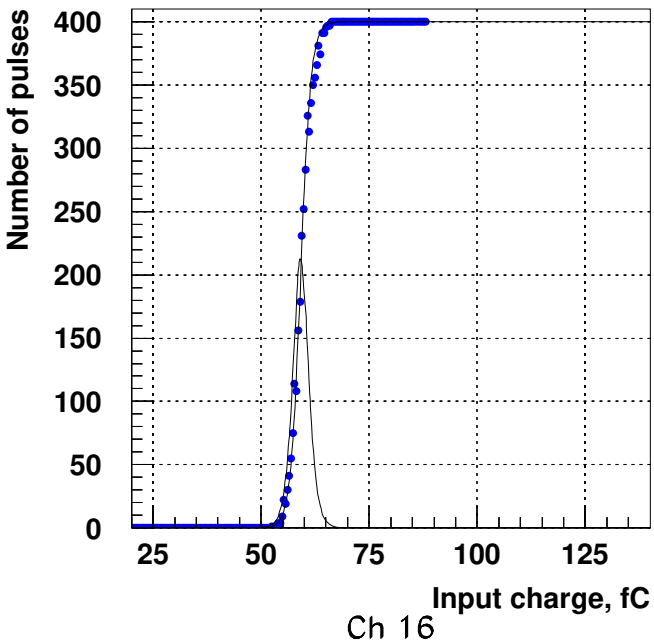
Ch 13



Ch 14

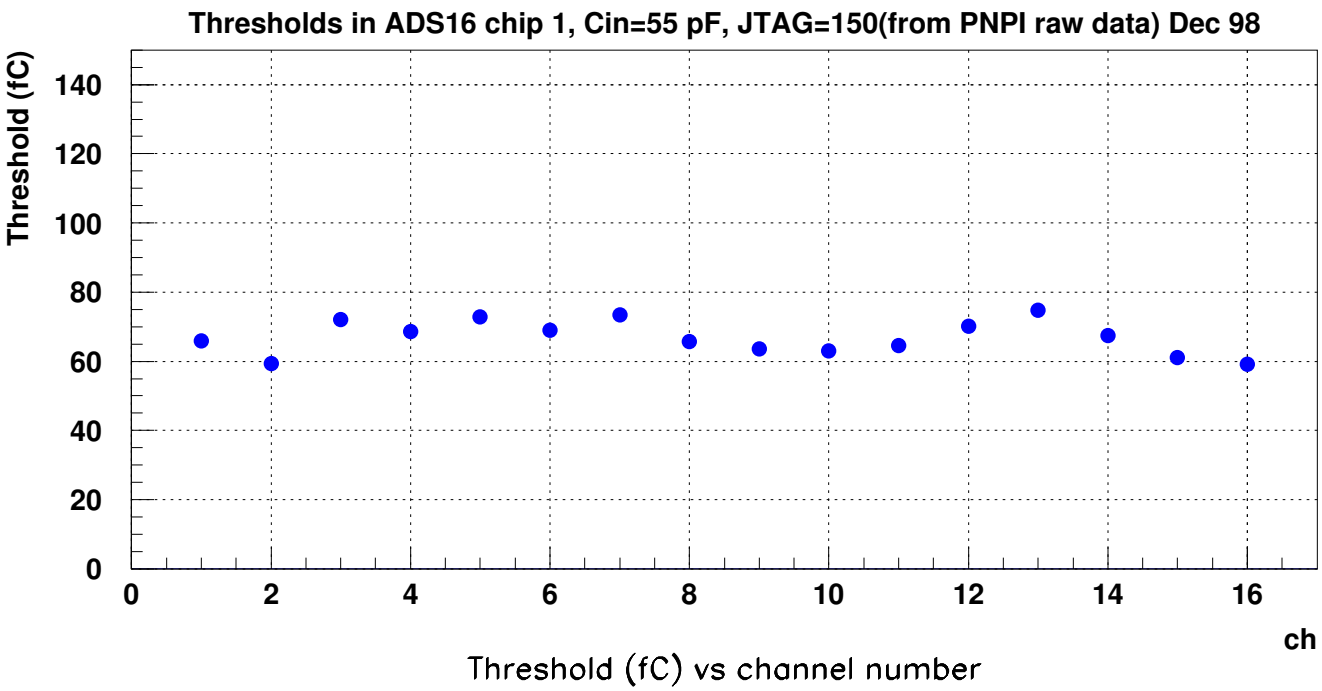


Ch 15

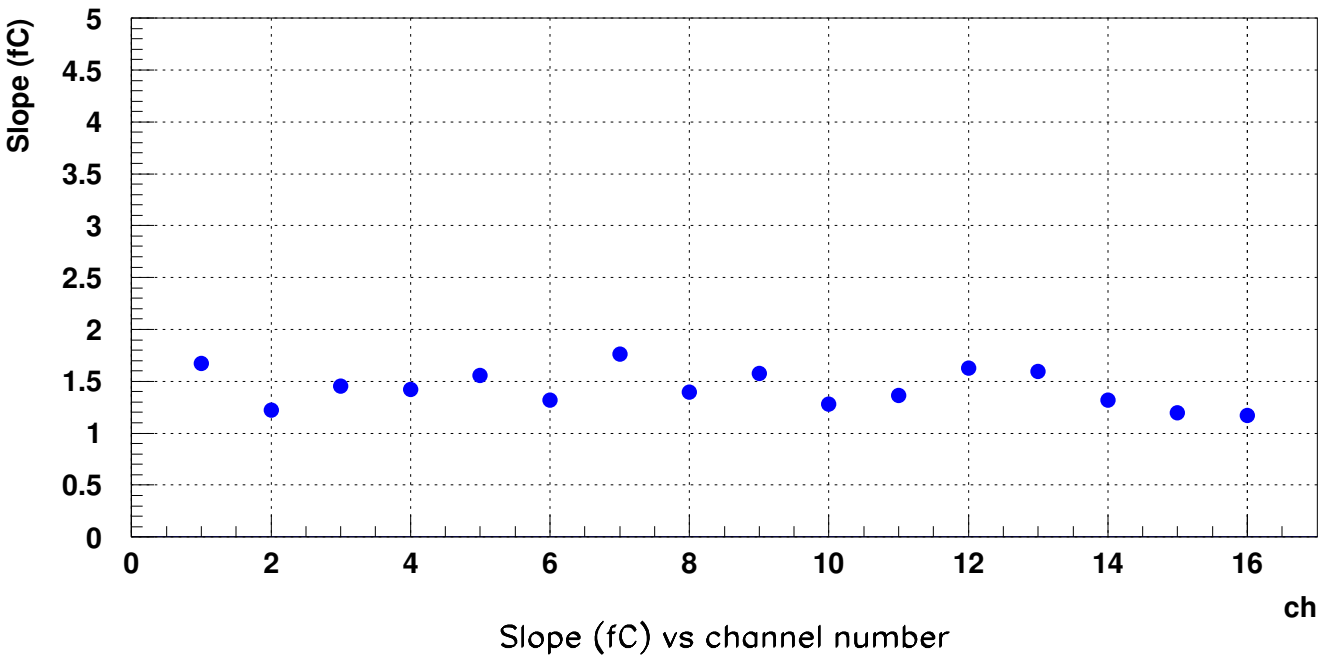


Ch 16

98/12/13 14.34



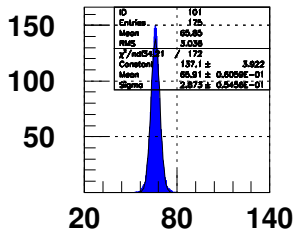
Threshold (fC) vs channel number



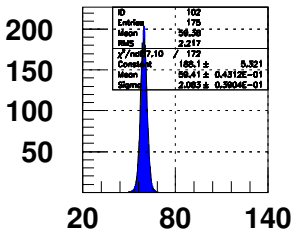
Slope (fC) vs channel number

98/12/13 14.34

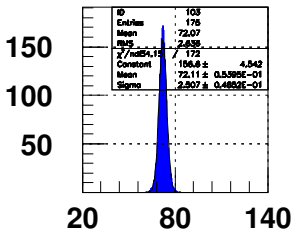
Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=150(from PNPI raw data) Dec 98



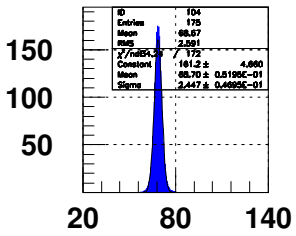
Ch 1 res



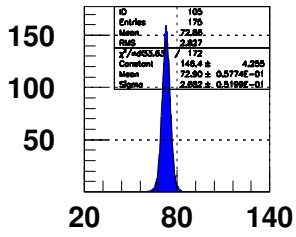
Ch 2 res



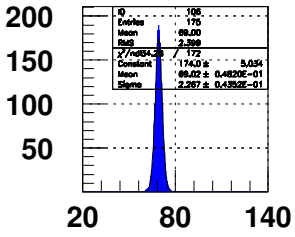
Ch 3 res



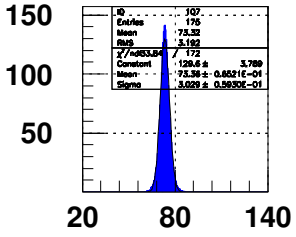
Ch 4 res



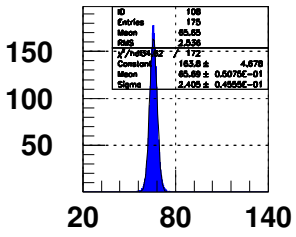
Ch 5 res



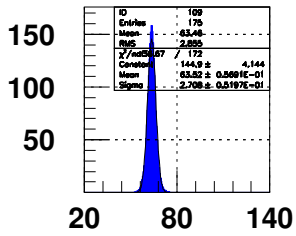
Ch 6 res



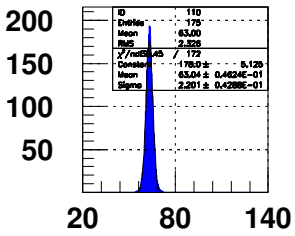
Ch 7 res



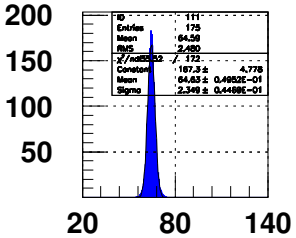
Ch 8 res



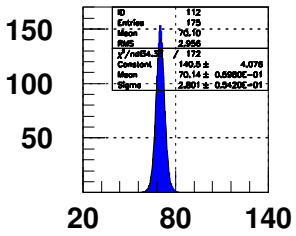
Ch 9 res



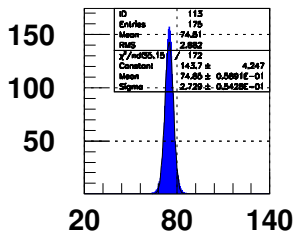
Ch 10 res



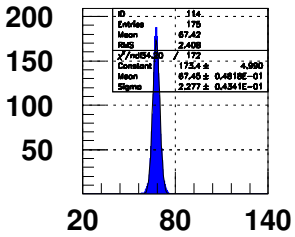
Ch 11 res



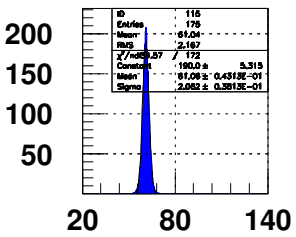
Ch 12 res



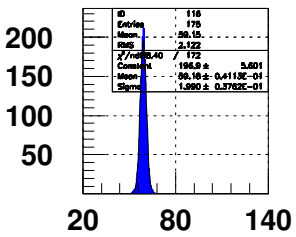
Ch 13 res



Ch 14 res

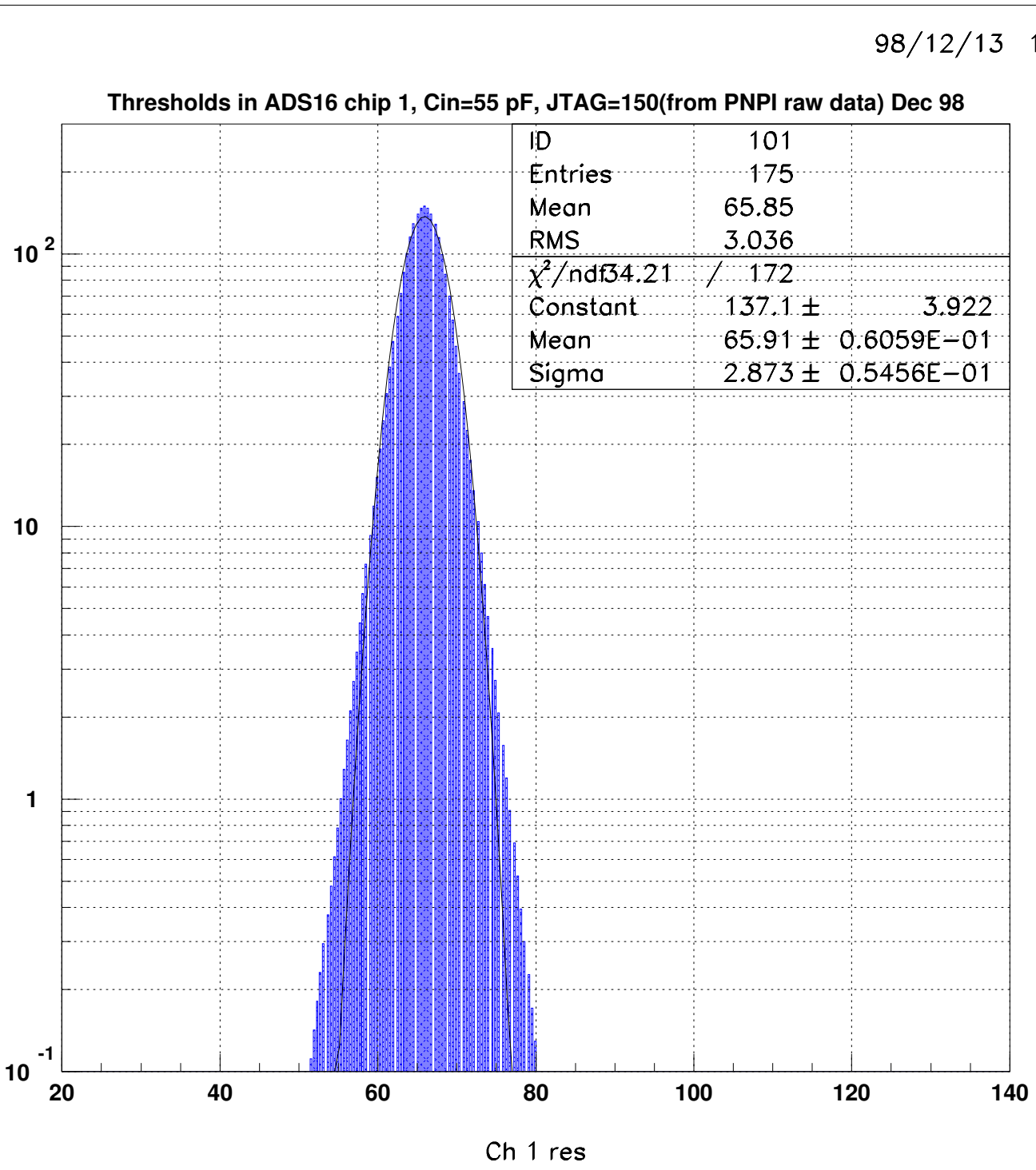


Ch 15 res

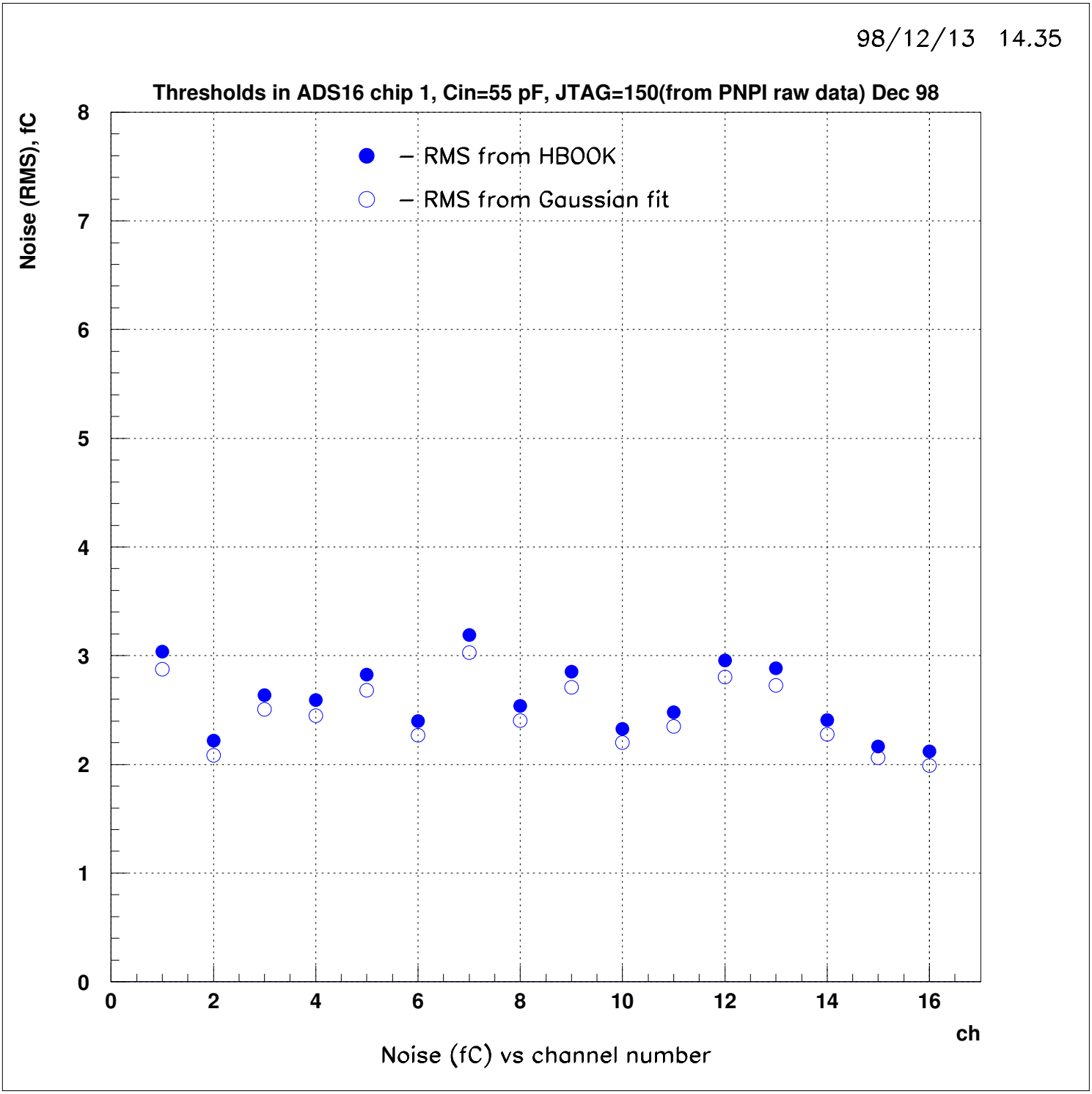


Ch 16 res

98/12/13 14.35


Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=150(from PNPI raw data) Dec 98
ID 101
Entries 175
Mean 65.85
RMS 3.036
χ²/ndf 34.21 / 172
Constant 137.1 ± 3.922
Mean 65.91 ± 0.6059E-01
Sigma 2.873 ± 0.5456E-01
10 2
10
1
10 -1
20
40
60
80
100
120
140
Ch 1 res

98/12/13 14.35


Thresholds in ADS16 chip 1, Cin=55 pF, JTAG=150(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