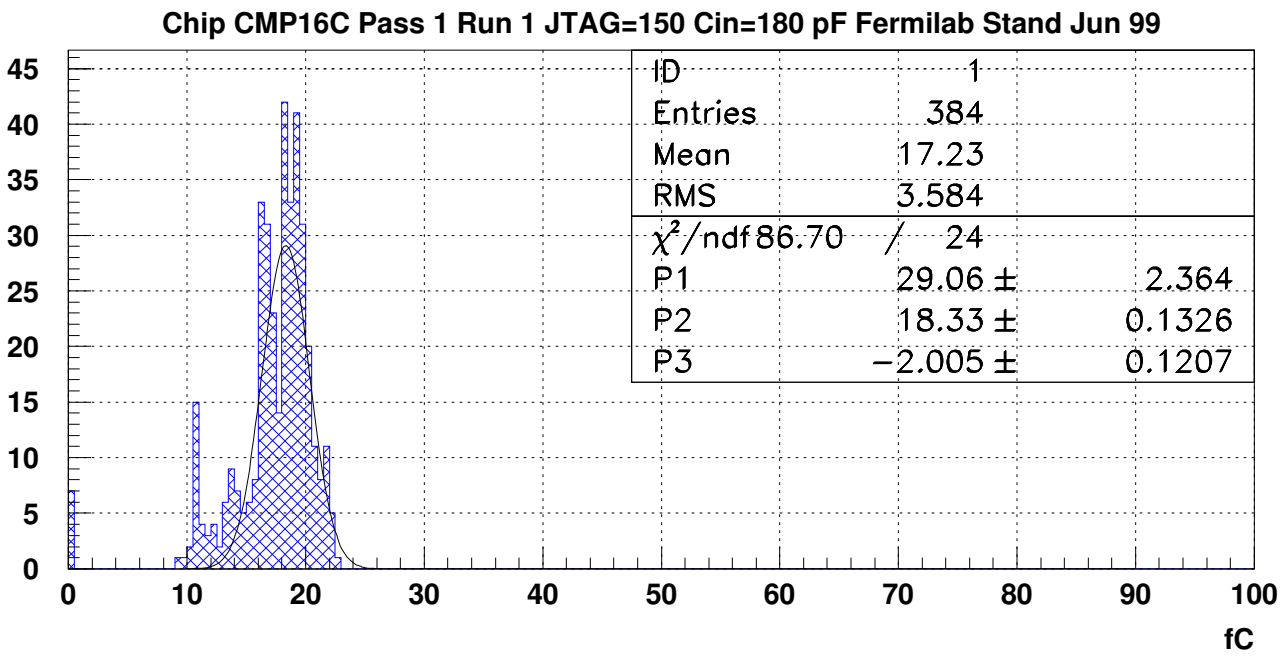
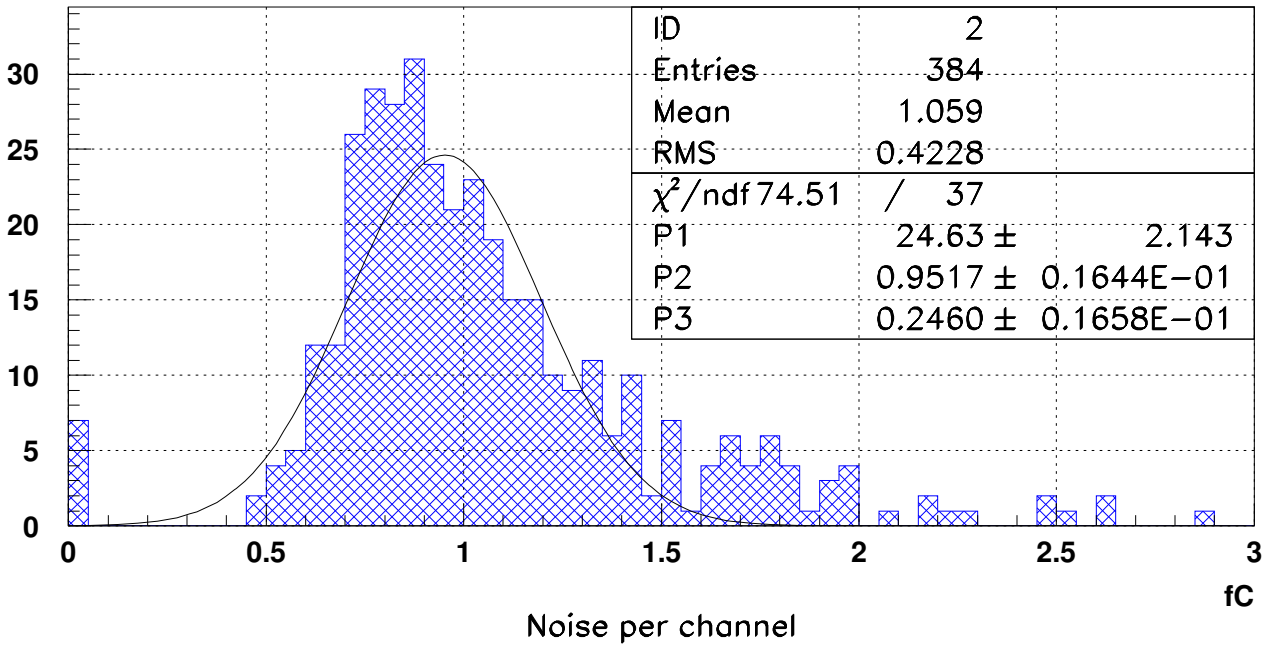
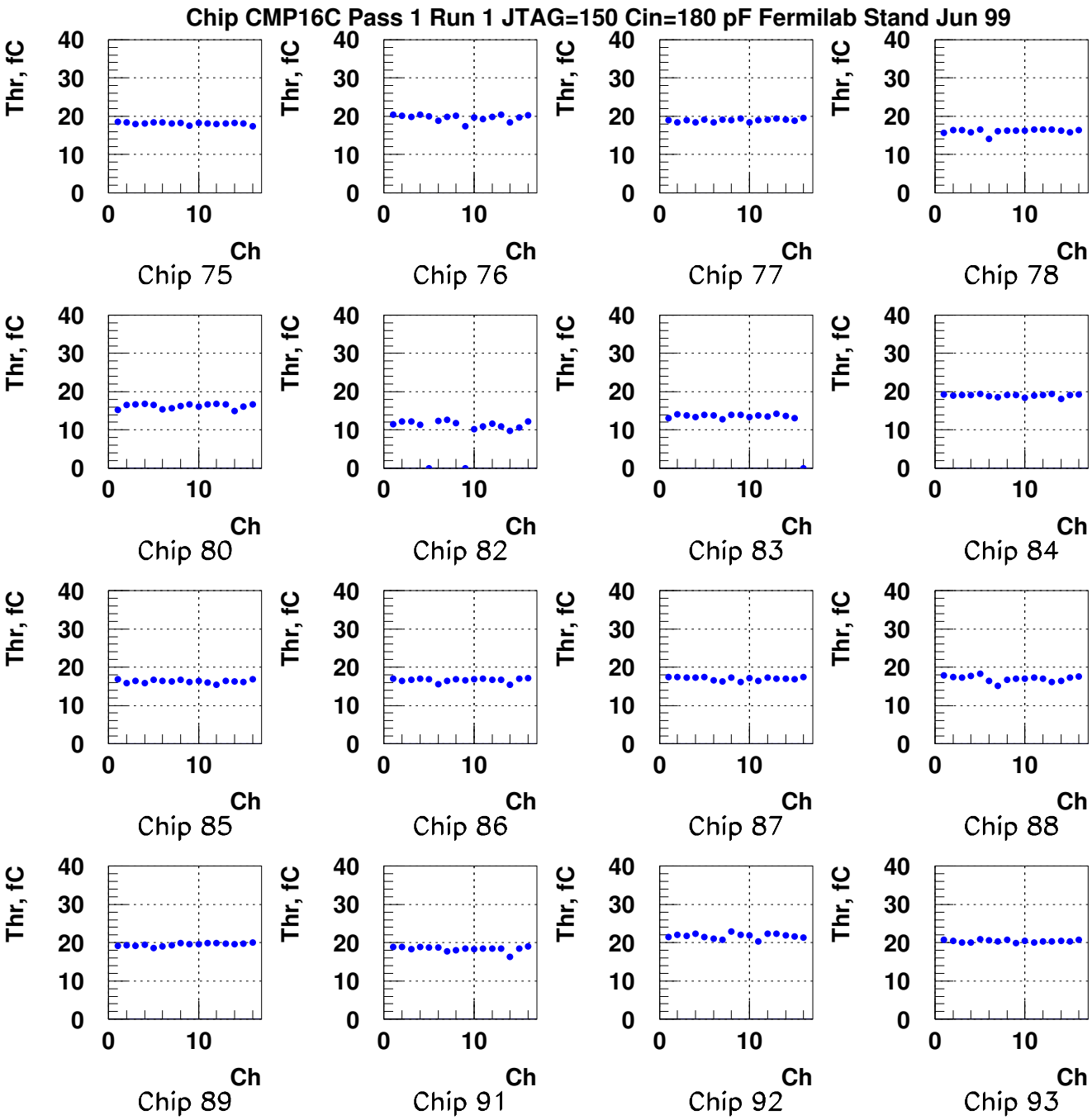
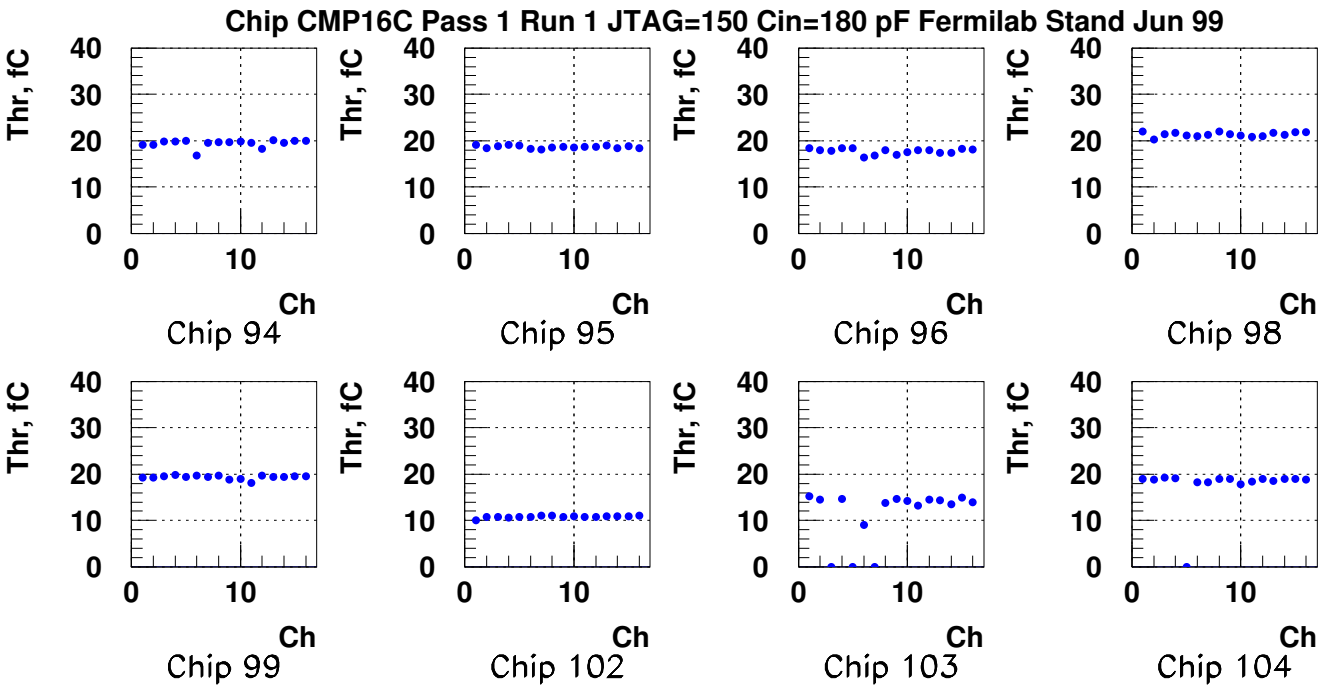


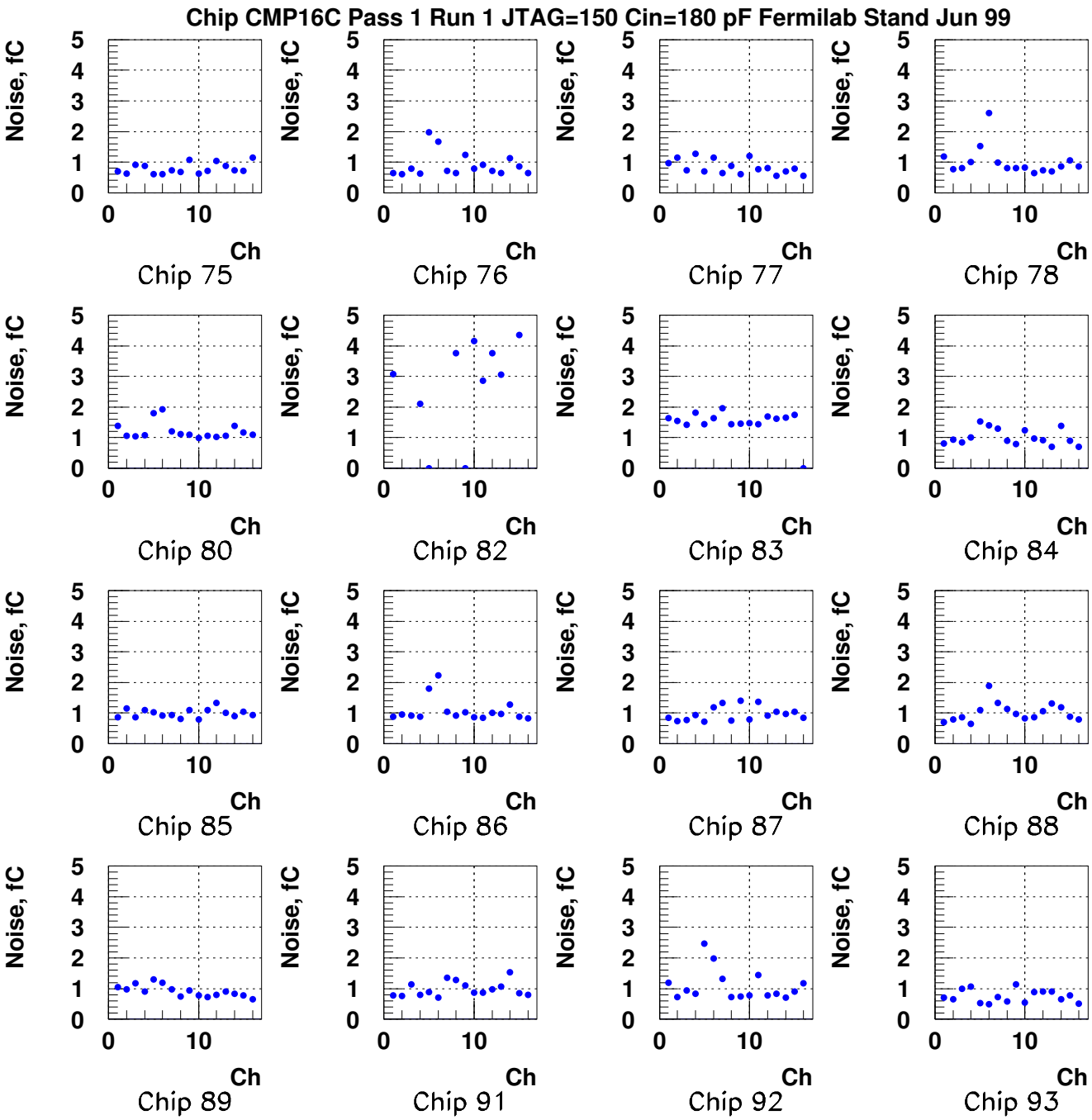
Threshold per channel

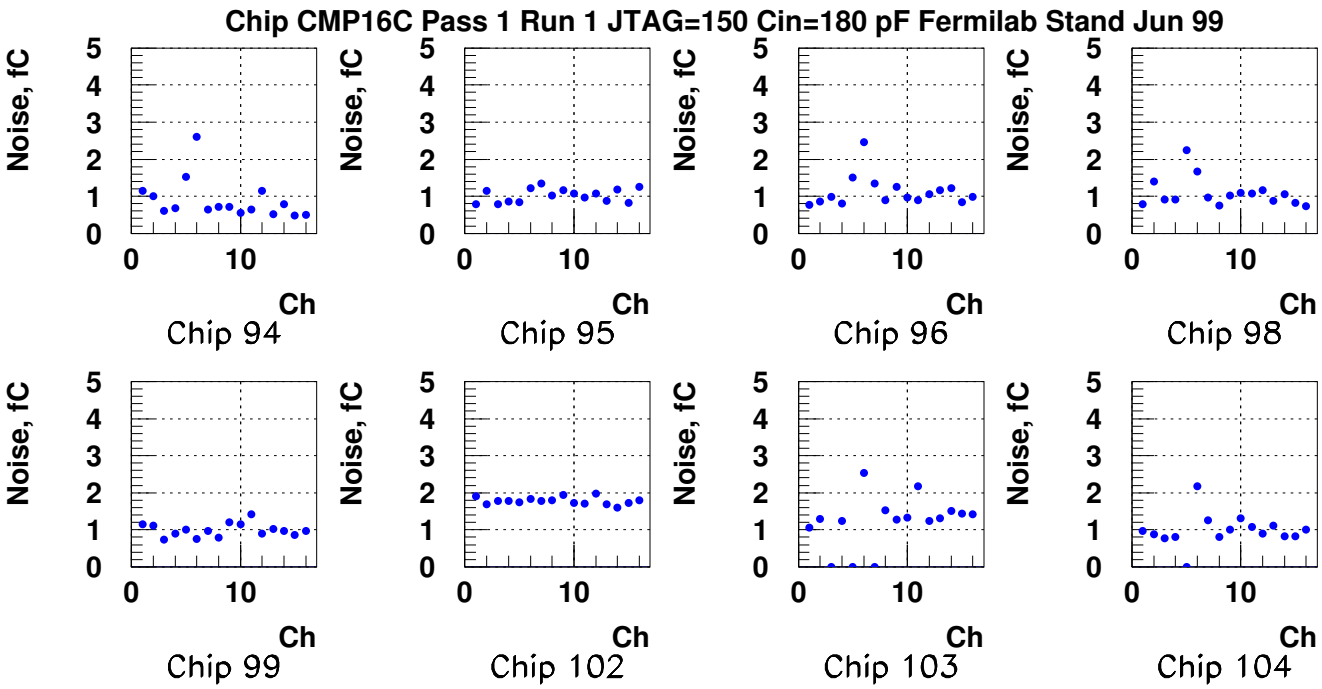


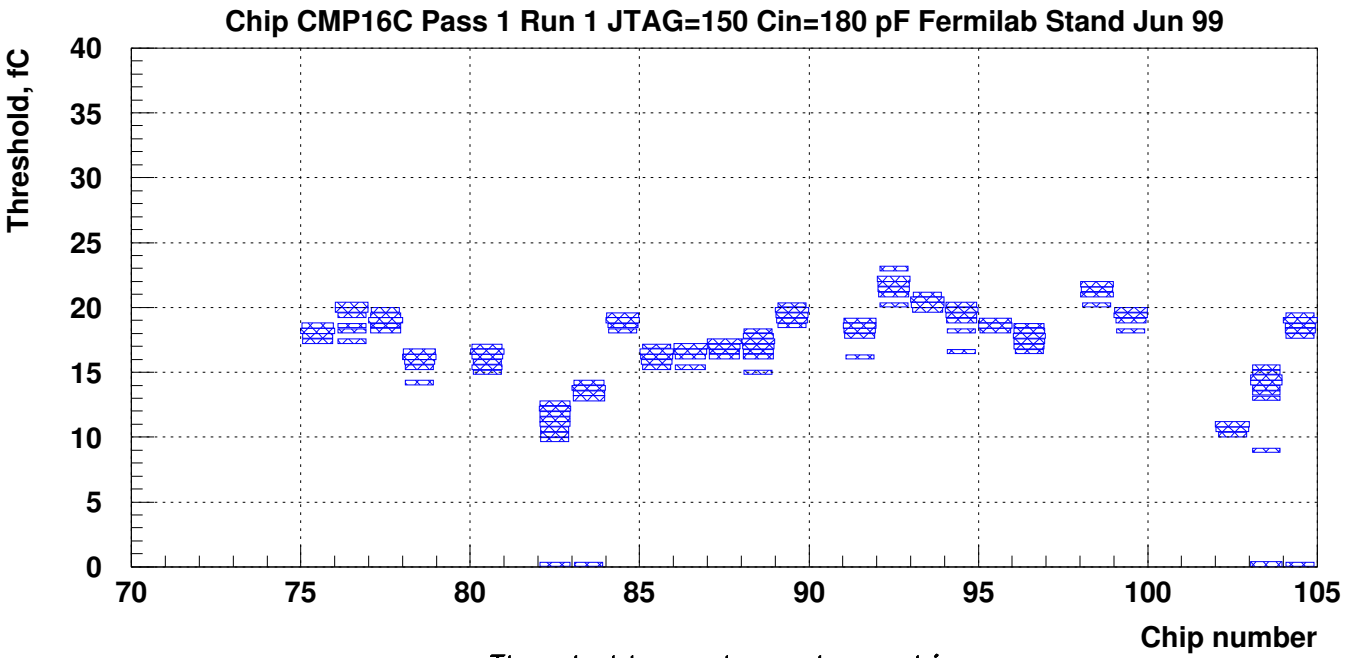
Noise per channel


Chip CMP16C Pass 1 Run 1 JTAG=150 Cin=180 pF Fermilab Stand Jun 99
Thr, fC
Ch
Chip 75
Chip 76
Chip 77
Chip 78
Chip 80
Chip 82
Chip 83
Chip 84
Chip 85
Chip 86
Chip 87
Chip 88
Chip 89
Chip 91
Chip 92
Chip 93

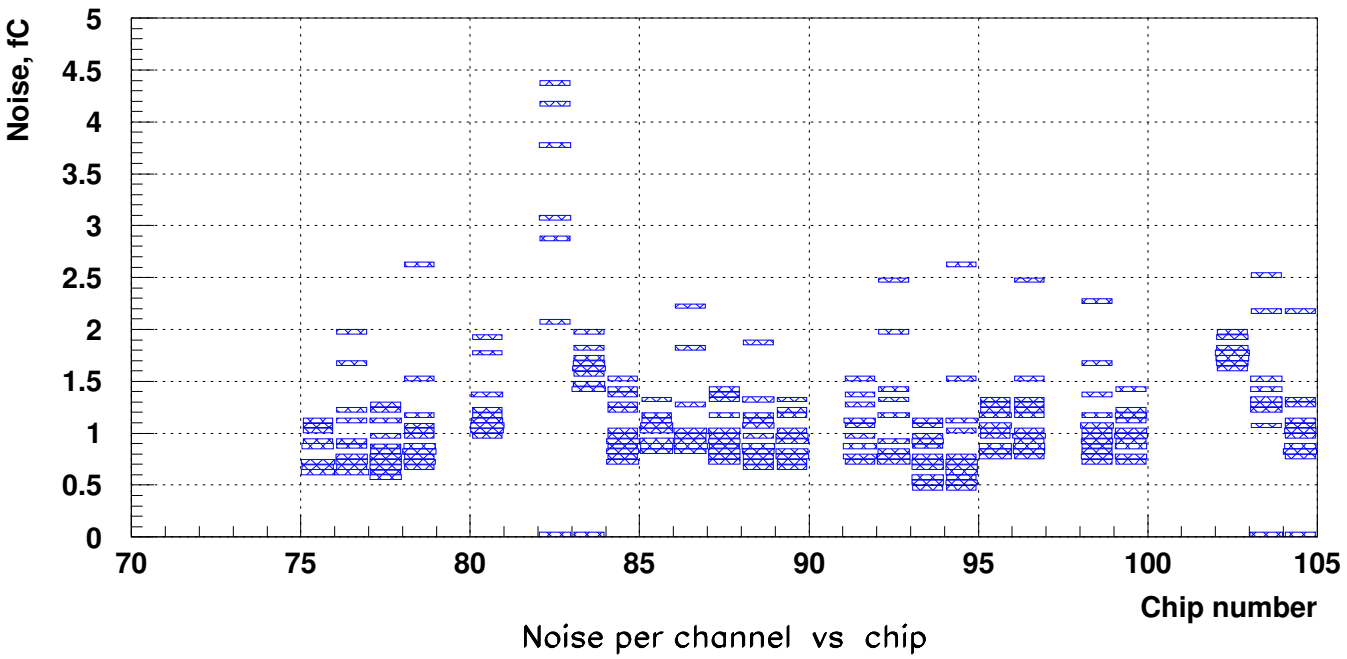

Chip CMP16C Pass 1 Run 1 JTAG=150 Cin=180 pF Fermilab Stand Jun 99
Thr, fC
Ch
Chip 94
Chip 95
Chip 96
Chip 98
Chip 99
Chip 102
Chip 103
Chip 104


Chip CMP16C Pass 1 Run 1 JTAG=150 Cin=180 pF Fermilab Stand Jun 99
Noise, fC
Ch
Chip 75
Chip 76
Chip 77
Chip 78
Chip 80
Chip 82
Chip 83
Chip 84
Chip 85
Chip 86
Chip 87
Chip 88
Chip 89
Chip 91
Chip 92
Chip 93

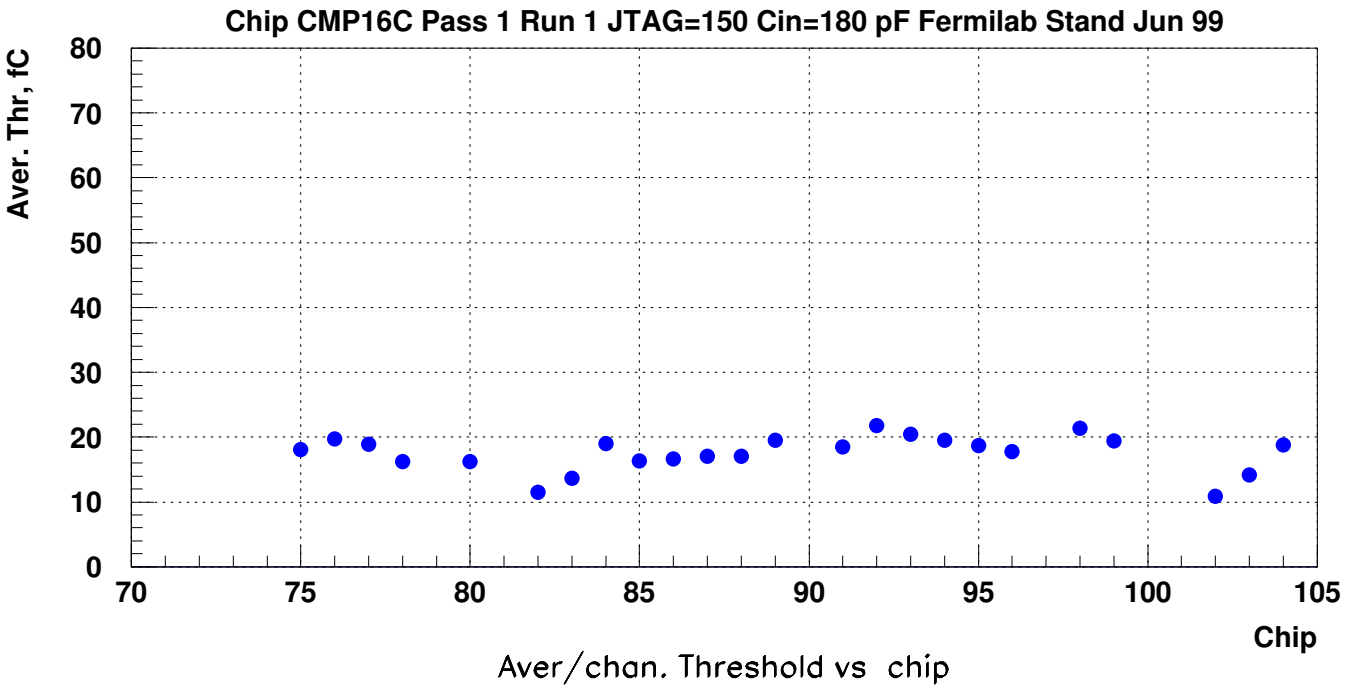

Chip CMP16C Pass 1 Run 1 JTAG=150 Cin=180 pF Fermilab Stand Jun 99
Noise, fC
Ch
Chip 94
Chip 95
Chip 96
Chip 98
Chip 99
Chip 102
Chip 103
Chip 104



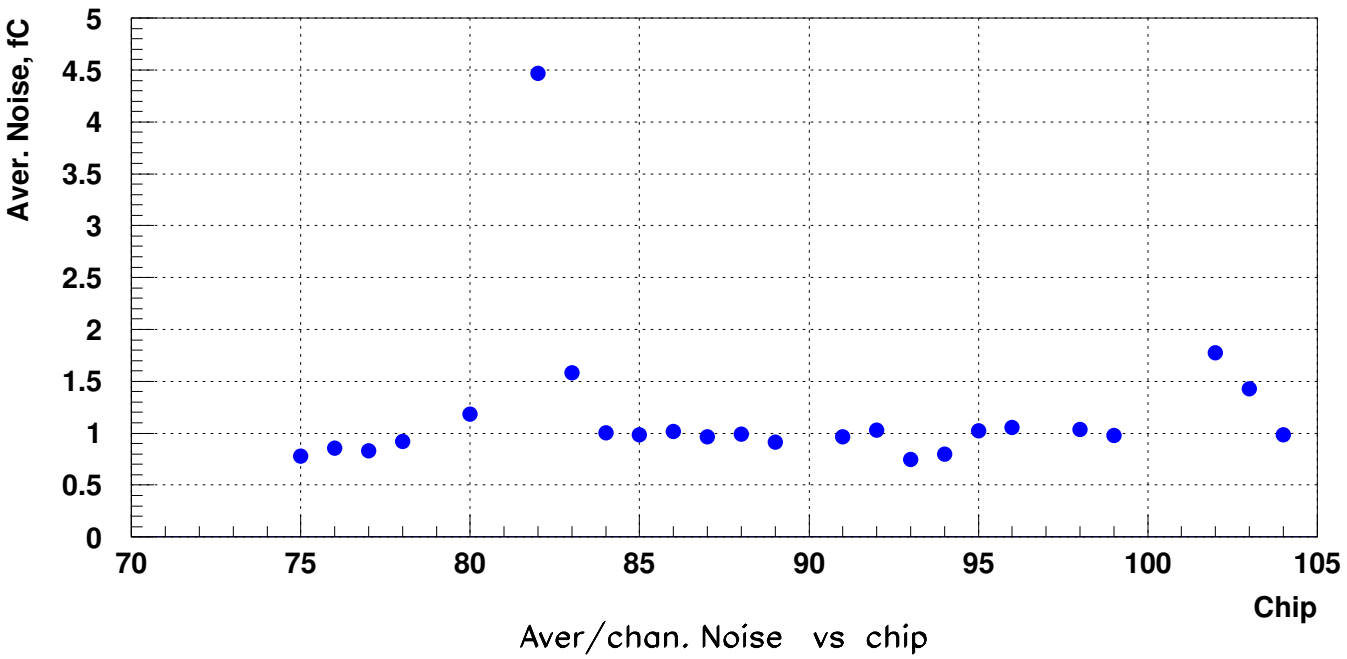
Threshold per channel vs chip



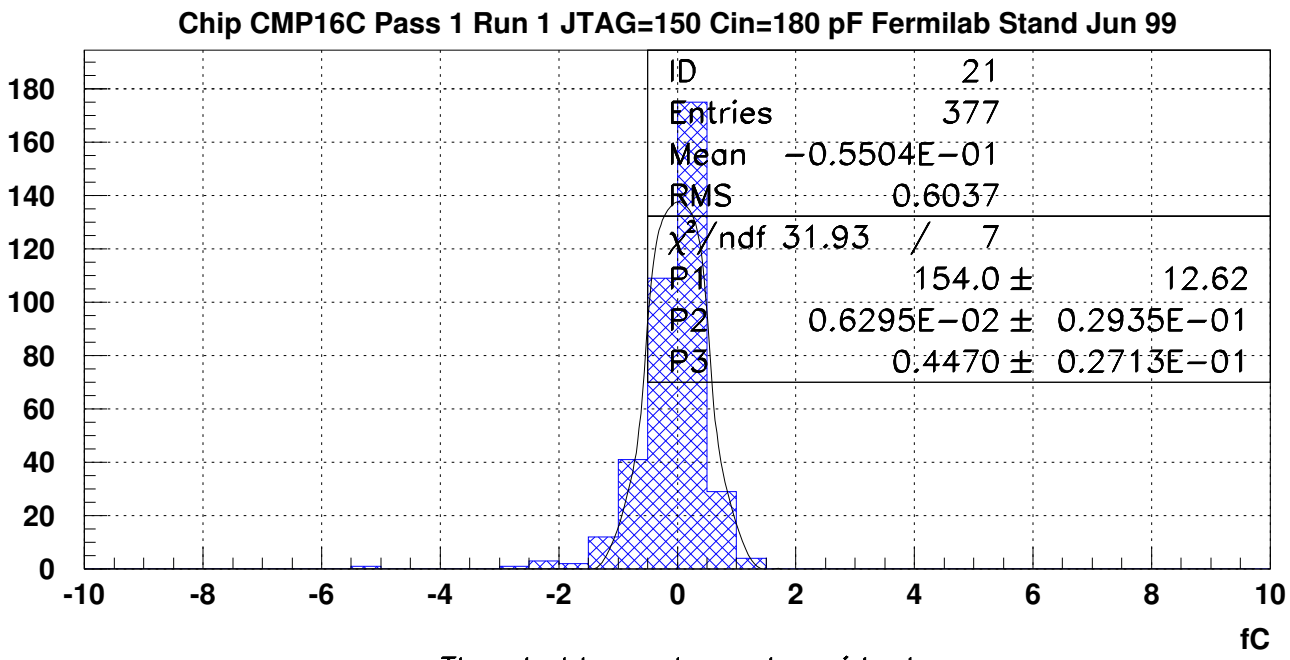
Noise per channel vs chip



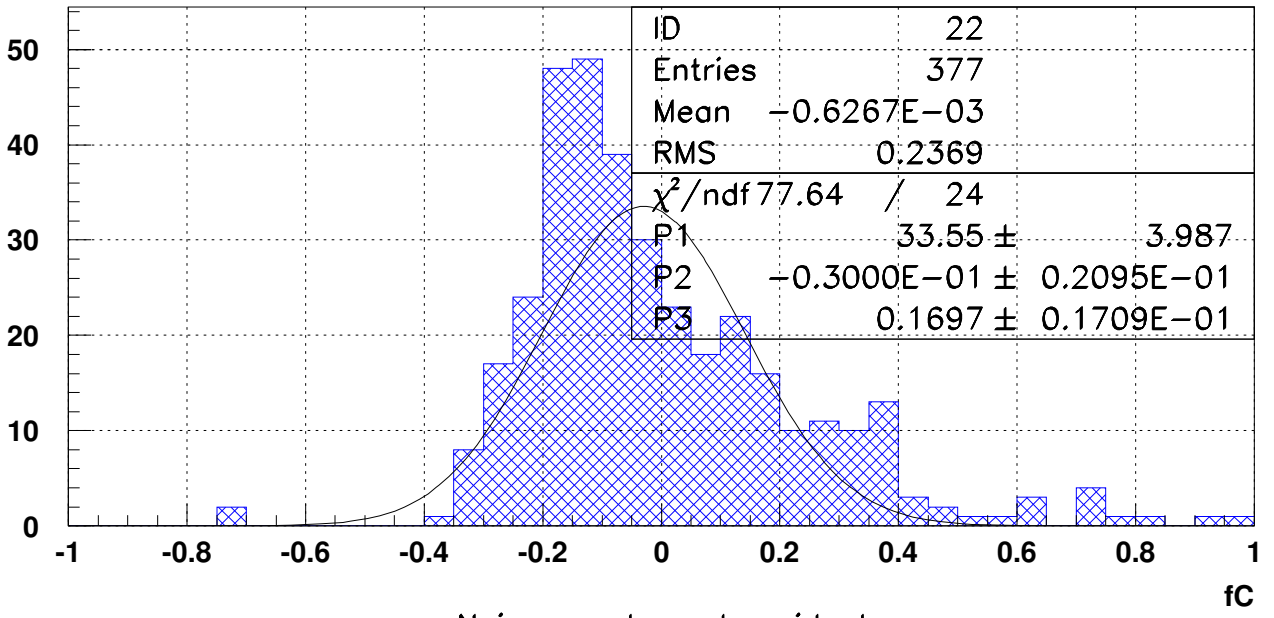
Aver/chan. Threshold vs chip



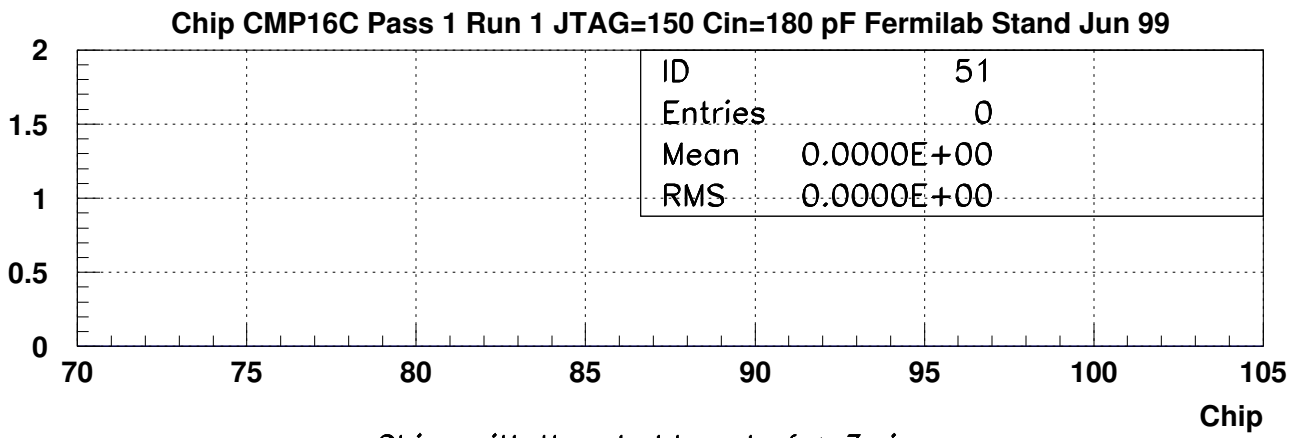
Aver/chan. Noise vs chip



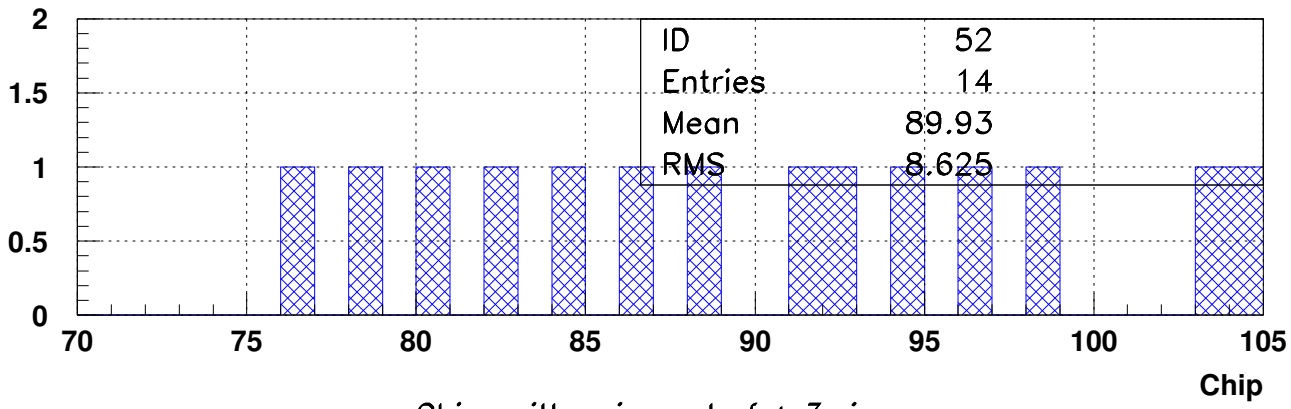
Threshold per channel, residual



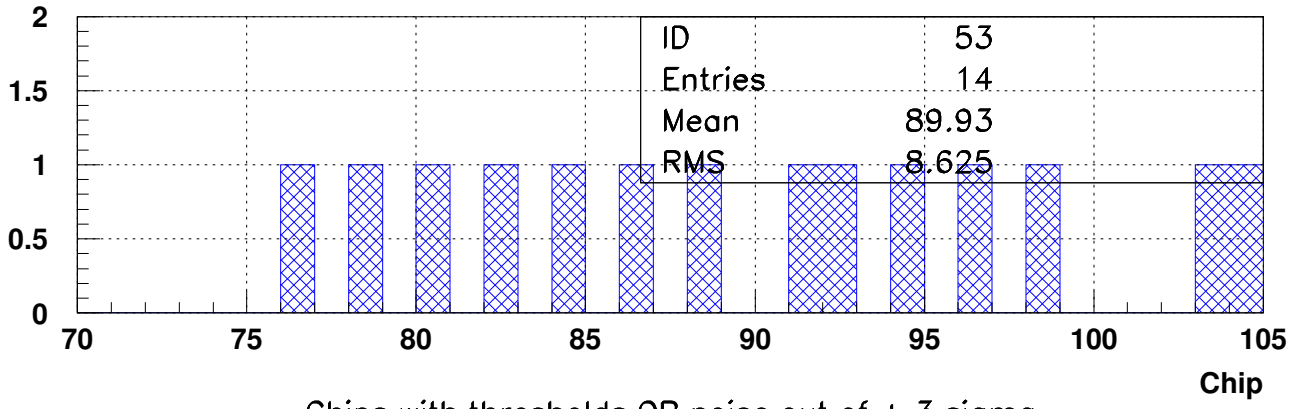
Noise per channel, residual



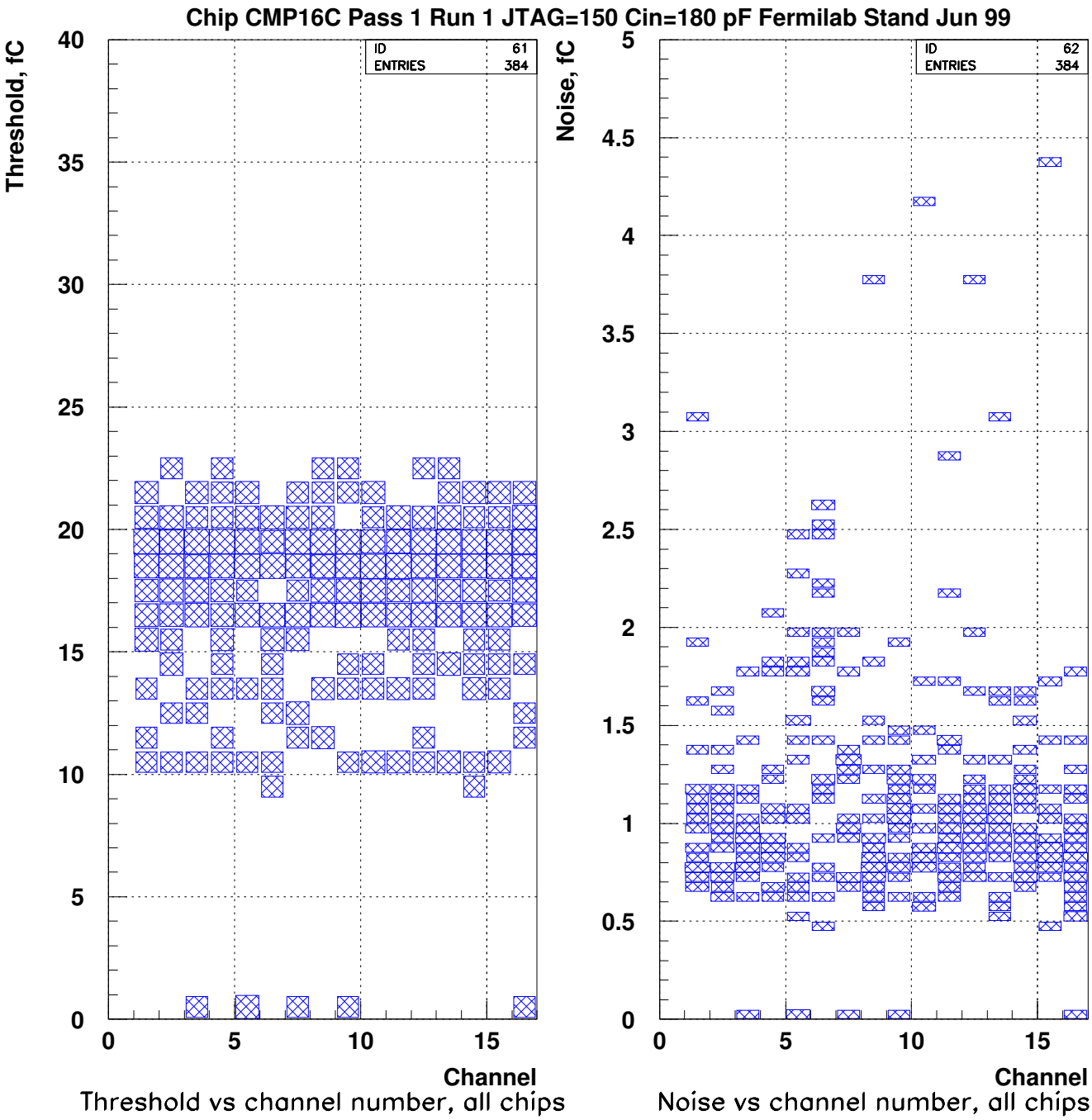
Chips with thresholds out of + 3 sigma



Chips with noise out of + 3 sigma

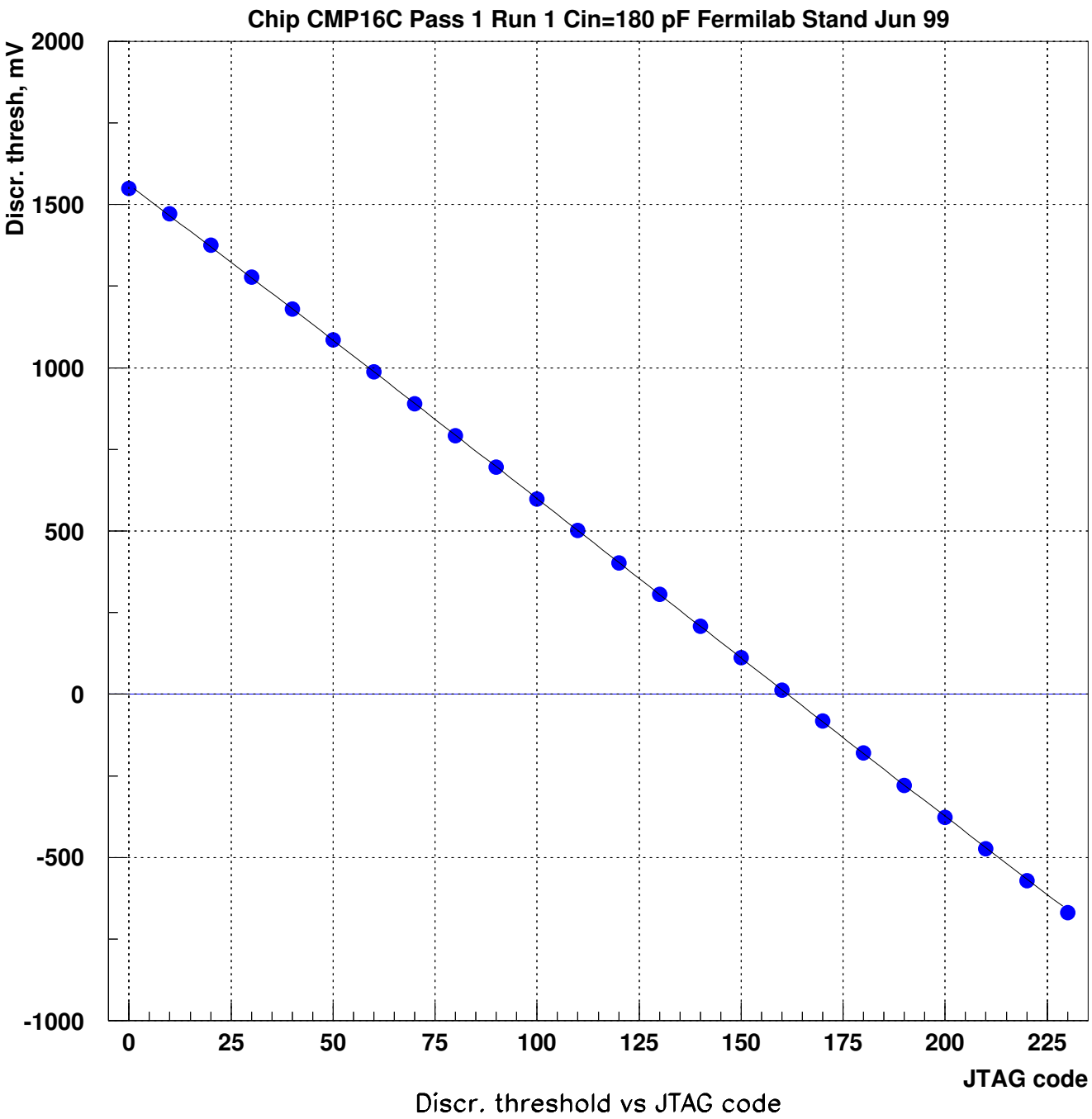


Chips with thresholds OR noise out of + 3 sigma

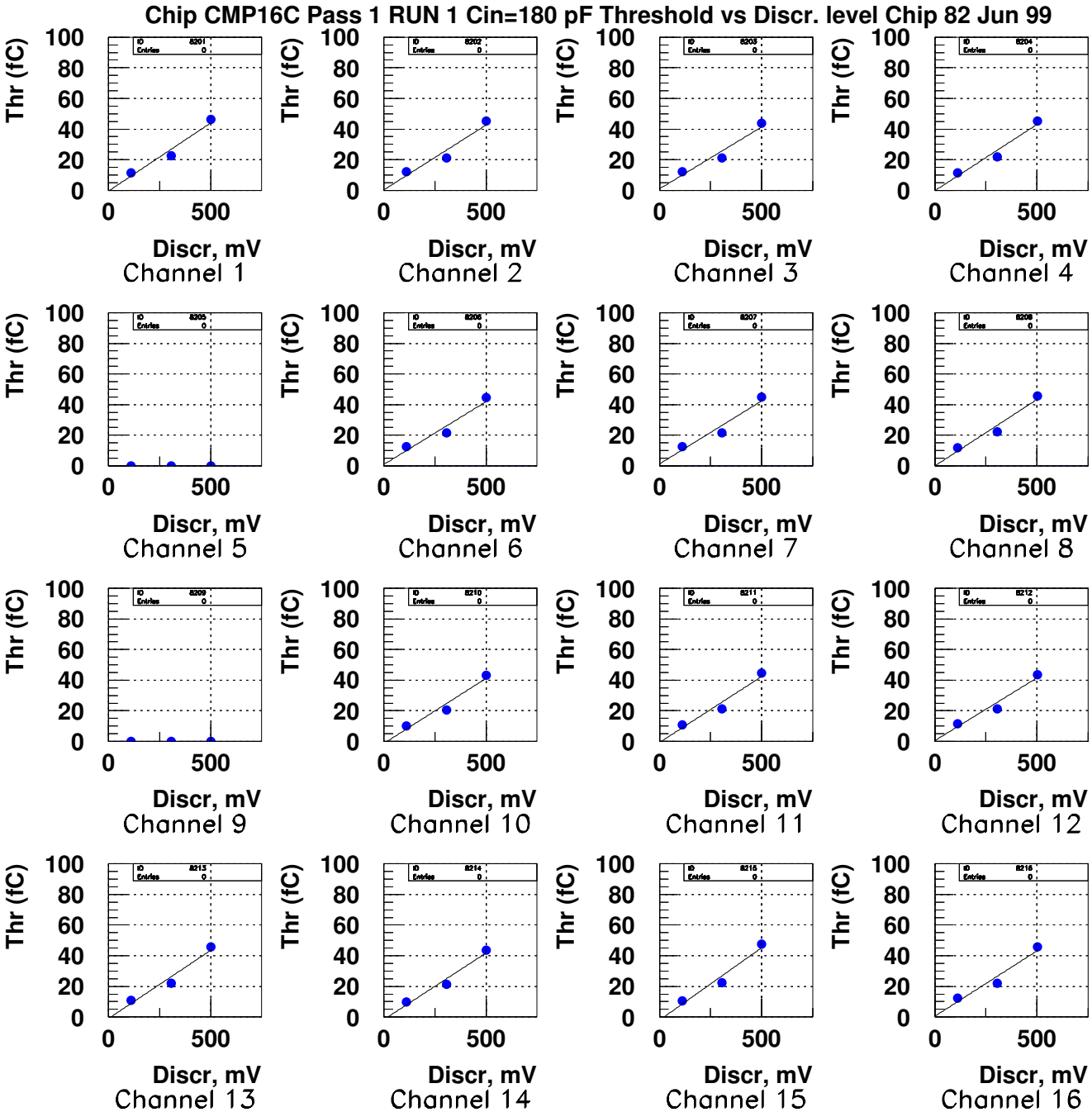


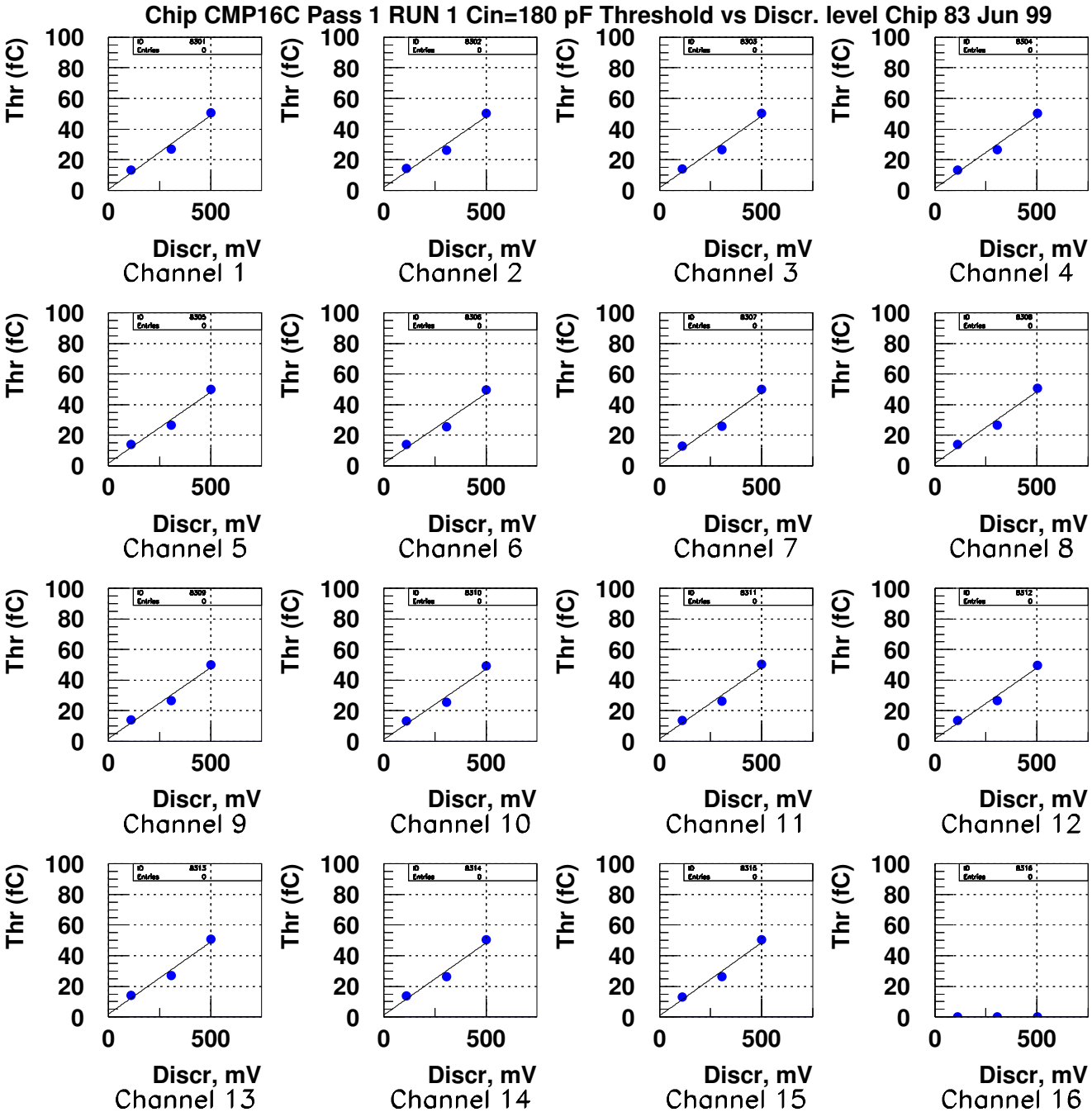
Threshold vs channel number, all chips

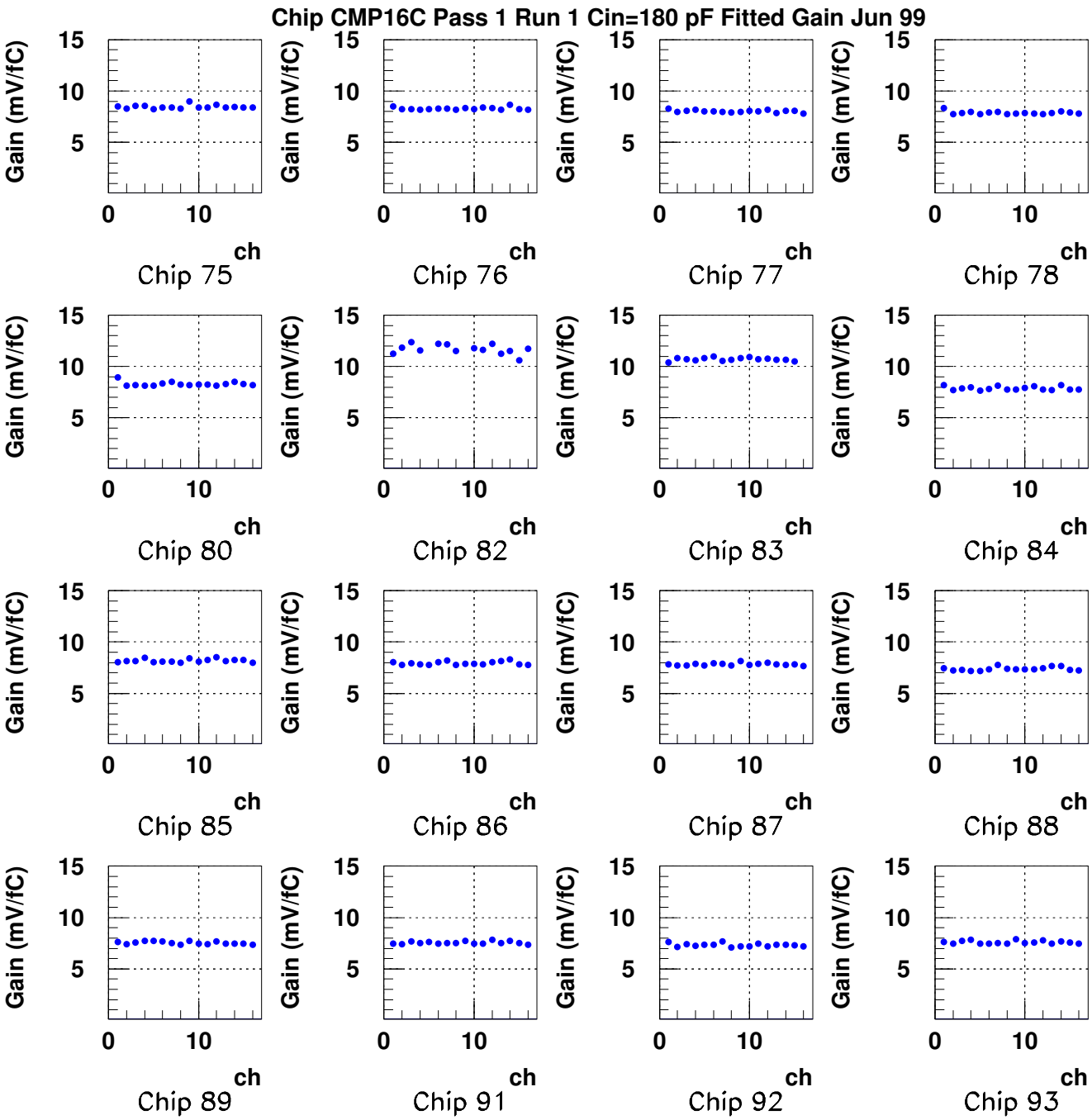
Noise vs channel number, all chips

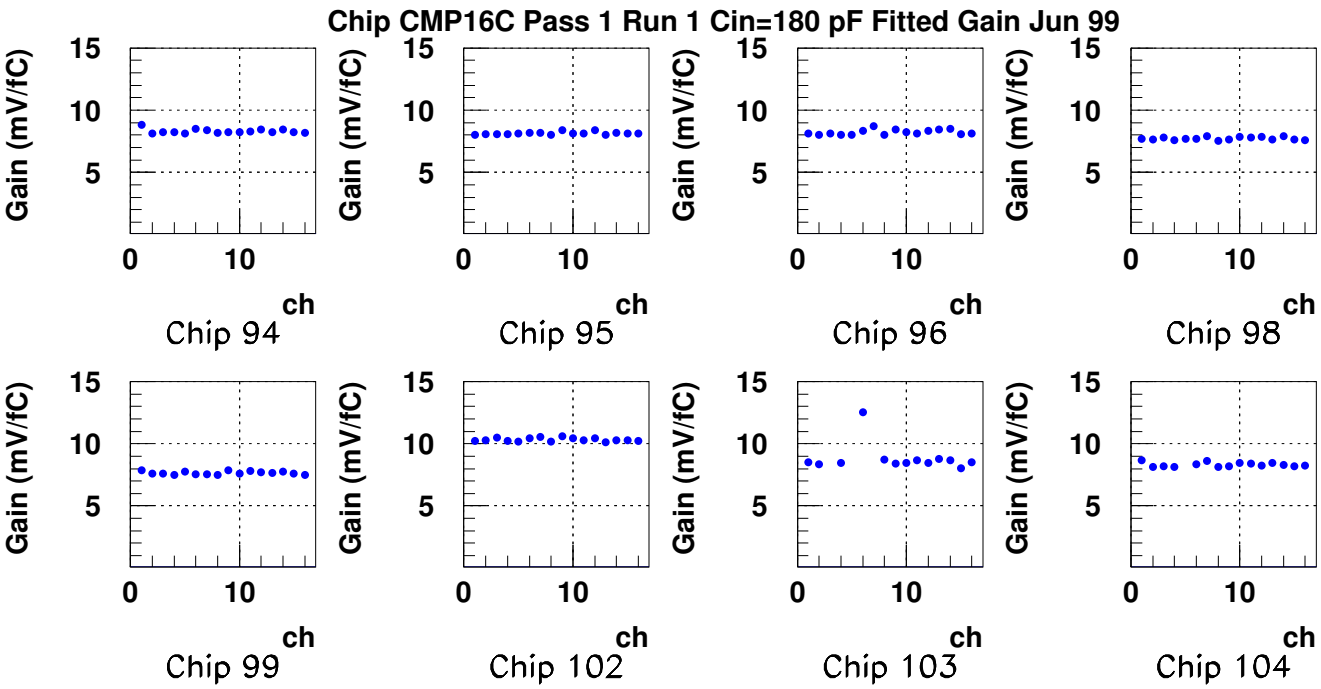


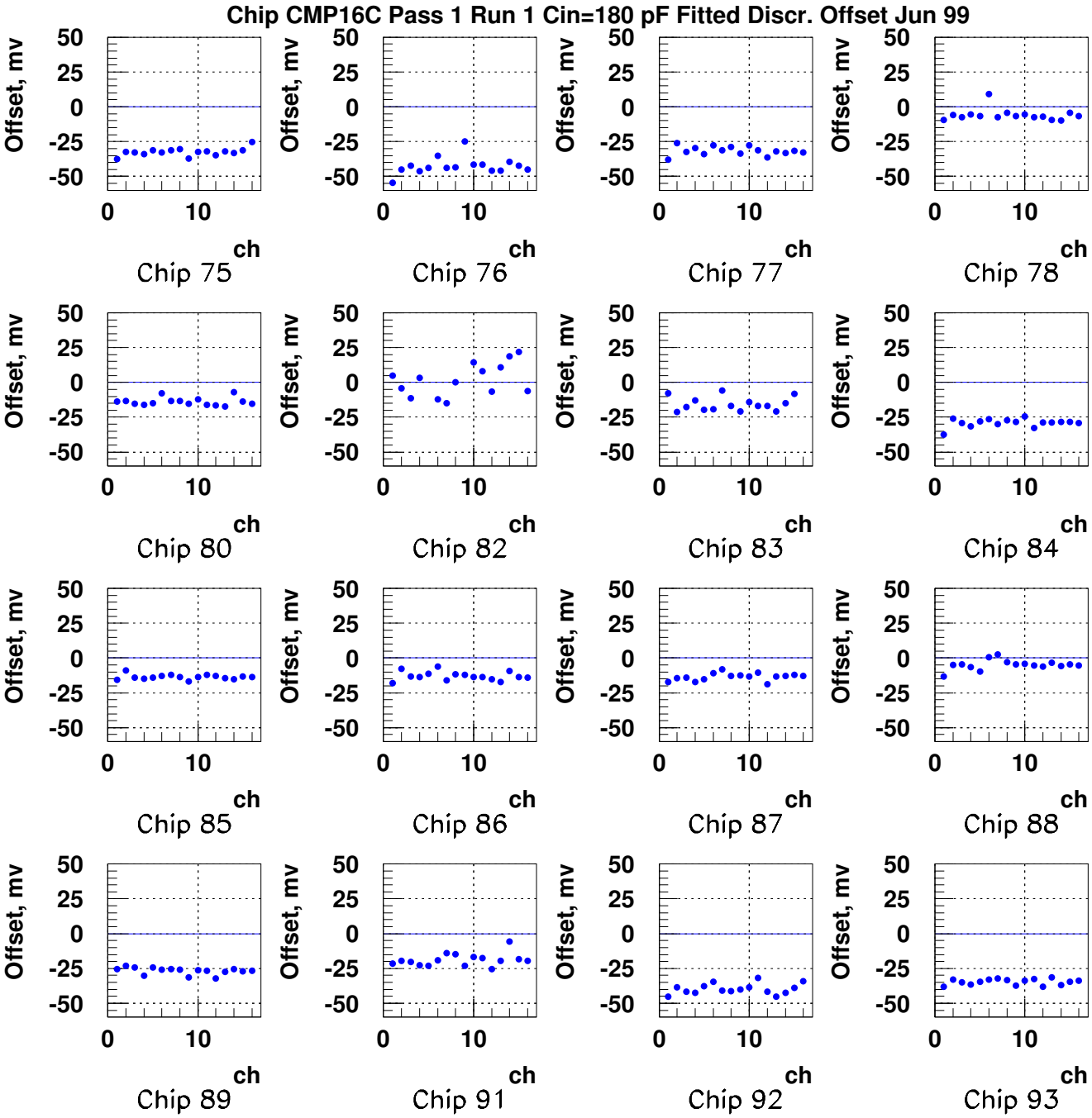
Discr. threshold vs JTAG code

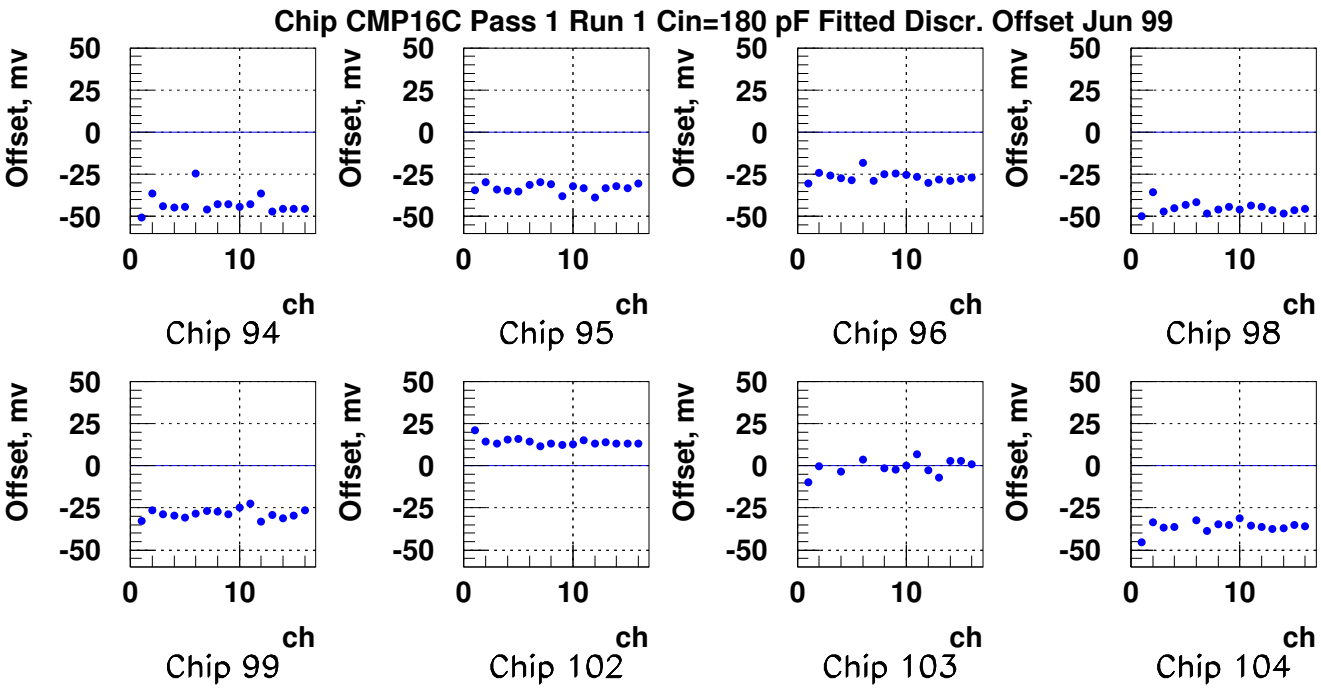

Chip CMP16C Pass 1 RUN 1 Cin=180 pF Threshold vs Discr. level Chip 82 Jun 99
Thr (fC)
100
80
60
40
20
0
0
500
Discr, mV
Channel 1
Channel 2
Channel 3
Channel 4
Channel 5
Channel 6
Channel 7
Channel 8
Channel 9
Channel 10
Channel 11
Channel 12
Channel 13
Channel 14
Channel 15
Channel 16

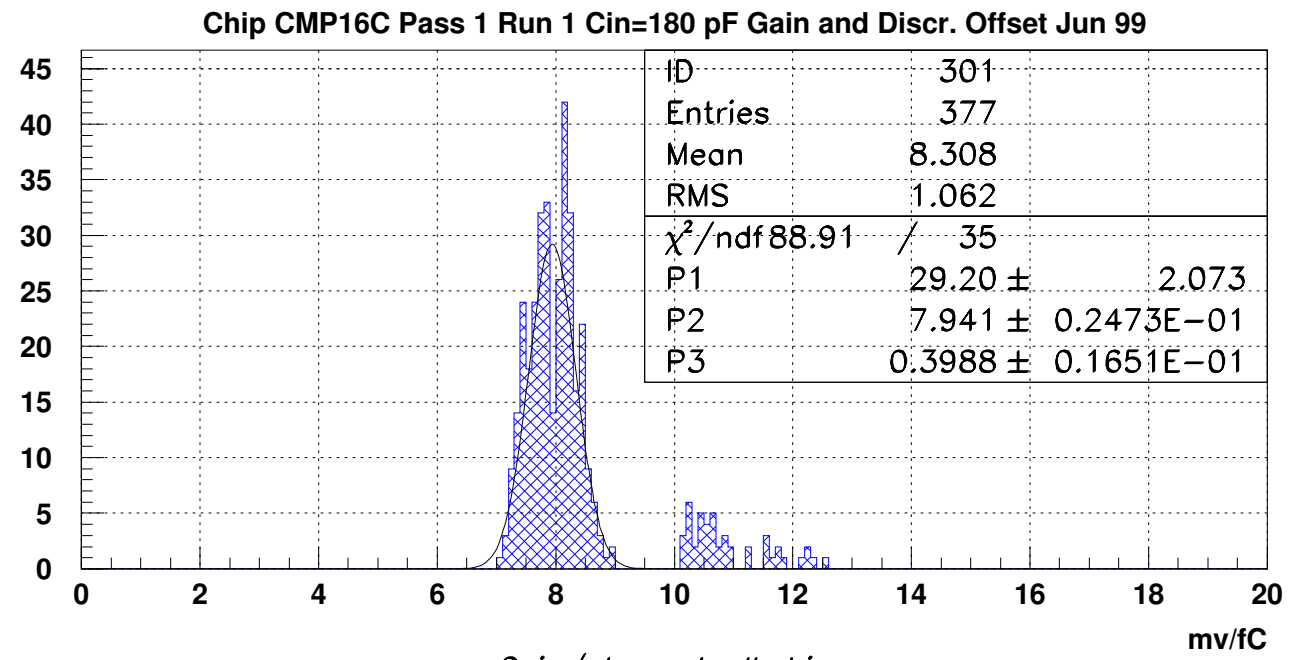

Chip CMP16C Pass 1 RUN 1 Cin=180 pF Threshold vs Discr. level Chip 83 Jun 99
Thr (fC)
Discr, mV
Channel 1
Channel 2
Channel 3
Channel 4
Channel 5
Channel 6
Channel 7
Channel 8
Channel 9
Channel 10
Channel 11
Channel 12
Channel 13
Channel 14
Channel 15
Channel 16

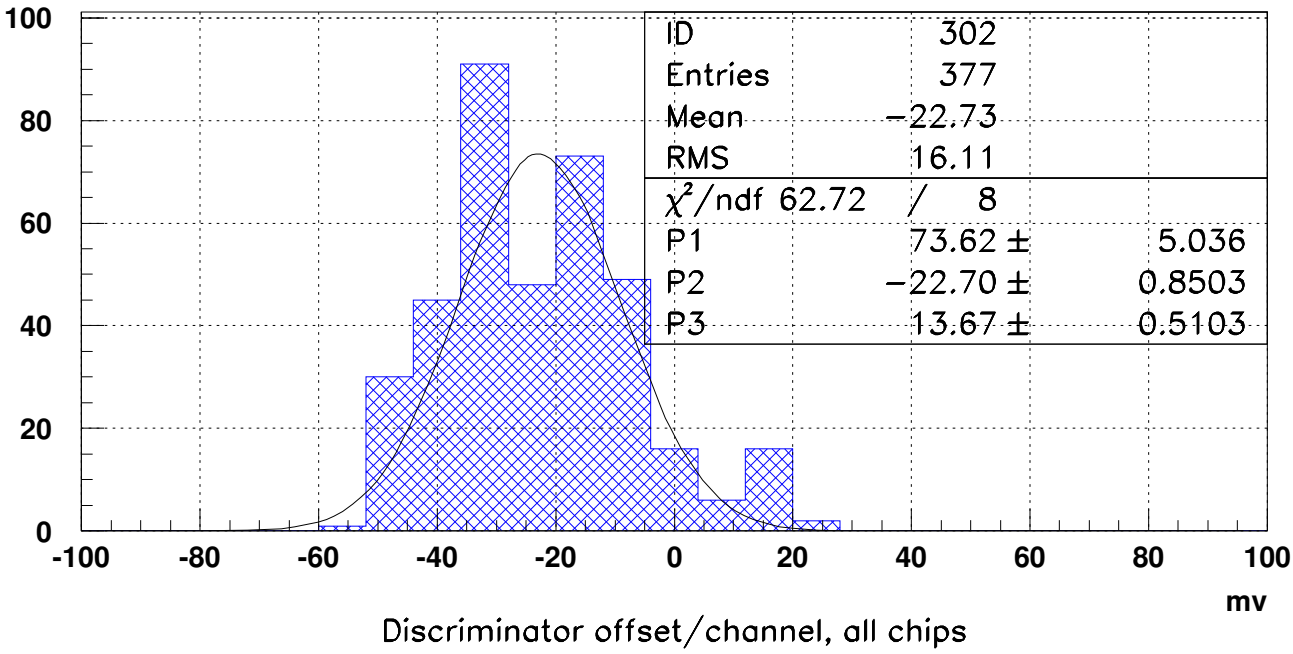

Chip CMP16C Pass 1 Run 1 Cin=180 pF Fitted Gain Jun 99
Gain (mV/fC)
15
10
5
0
10
ch
Chip 75
Chip 76
Chip 77
Chip 78
Chip 80
Chip 82
Chip 83
Chip 84
Chip 85
Chip 86
Chip 87
Chip 88
Chip 89
Chip 91
Chip 92
Chip 93

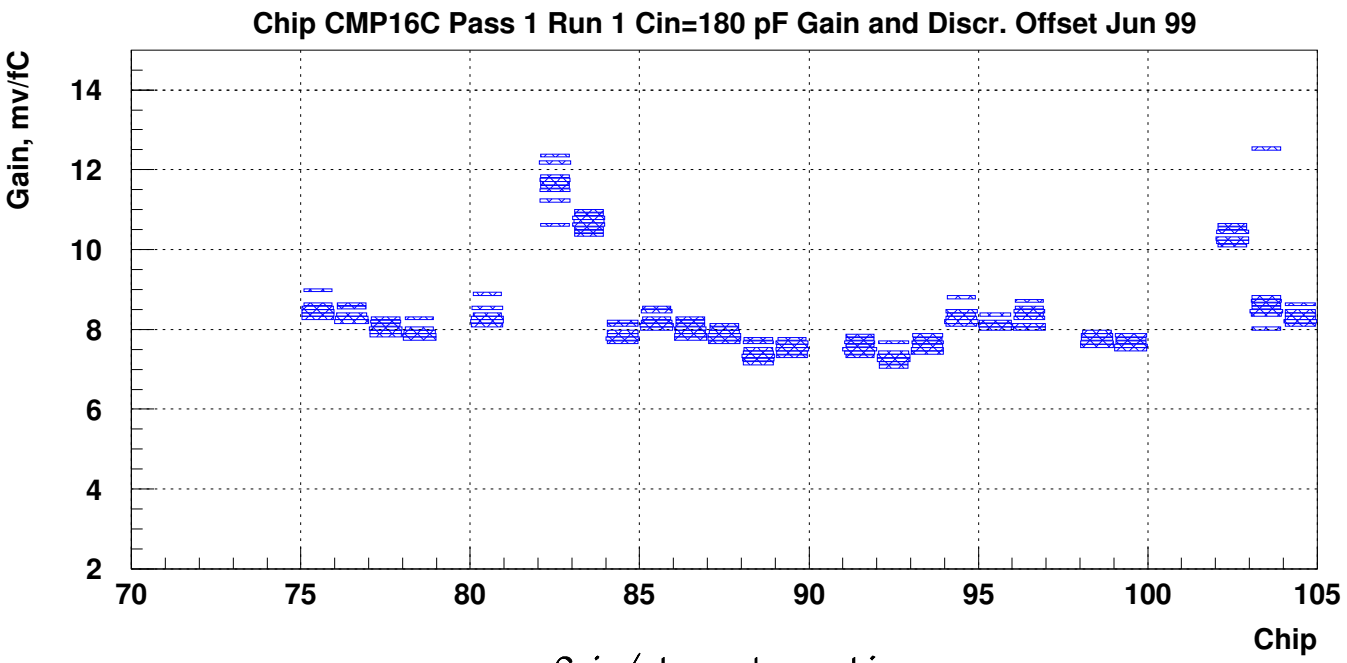

Chip CMP16C Pass 1 Run 1 Cin=180 pF Fitted Gain Jun 99
Gain (mV/fC)
15
10
5
0
10
ch
Chip 94
Chip 95
Chip 96
Chip 98
Chip 99
Chip 102
Chip 103
Chip 104


Chip CMP16C Pass 1 Run 1 Cin=180 pF Fitted Discr. Offset Jun 99
Offset, mv
50
25
0
-25
-50
0
10
ch
Chip 75
Chip 76
Chip 77
Chip 78
Chip 80
Chip 82
Chip 83
Chip 84
Chip 85
Chip 86
Chip 87
Chip 88
Chip 89
Chip 91
Chip 92
Chip 93

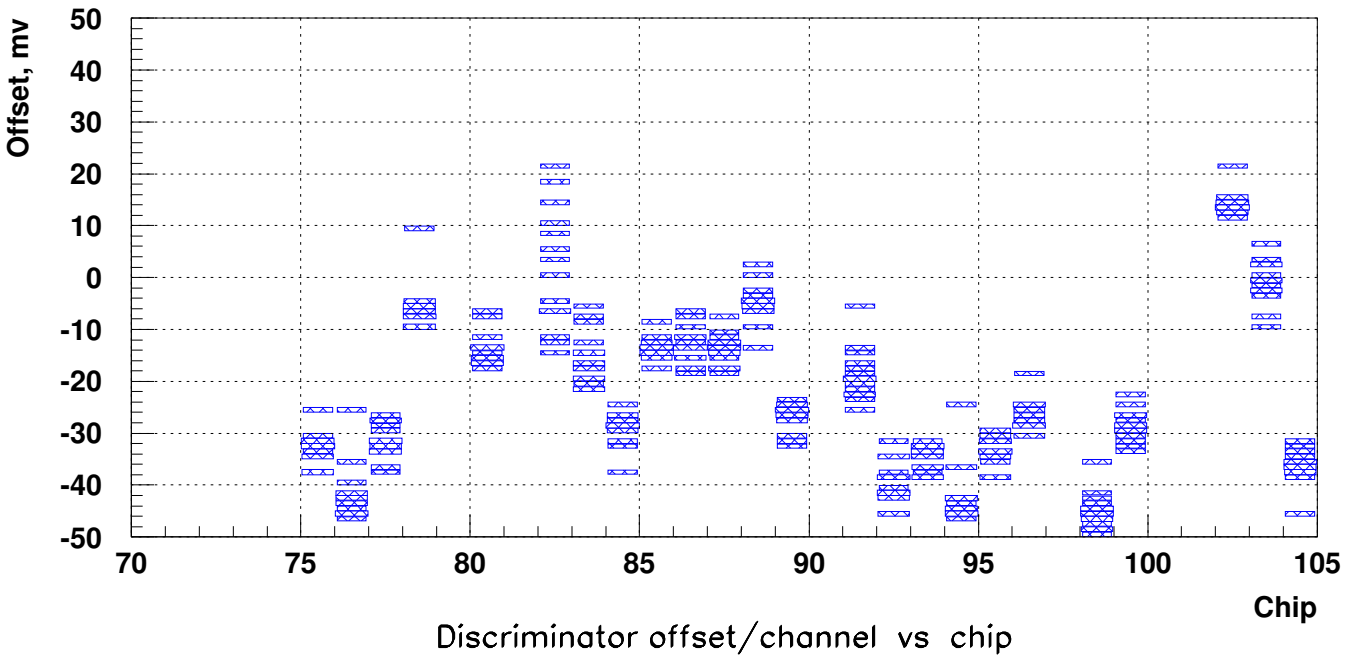

Chip CMP16C Pass 1 Run 1 Cin=180 pF Fitted Discr. Offset Jun 99
Offset, mv
50
25
0
-25
-50
0
10
ch
Chip 94
Chip 95
Chip 96
Chip 98
Chip 99
Chip 102
Chip 103
Chip 104


Chip CMP16C Pass 1 Run 1 Cin=180 pF Gain and Discr. Offset Jun 99
ID 301
Entries 377
Mean 8.308
RMS 1.062
χ²/ndf 88.91 / 35
P1 29.20 ± 2.073
P2 7.941 ± 0.2473E−01
P3 0.3988 ± 0.1651E−01
mv/fC
Gain/channel, all chips


ID 302
Entries 377
Mean −22.73
RMS 16.11
χ²/ndf 62.72 / 8
P1 73.62 ± 5.036
P2 −22.70 ± 0.8503
P3 13.67 ± 0.5103
mv
Discriminator offset/channel, all chips

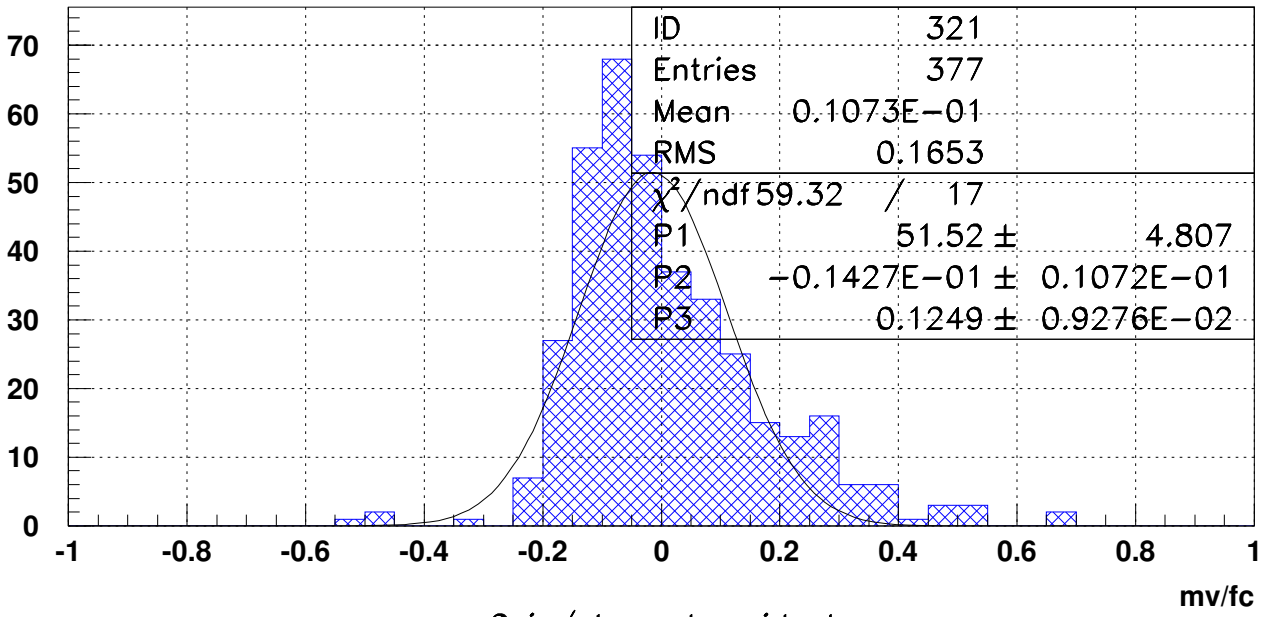


Gain/channel vs chip

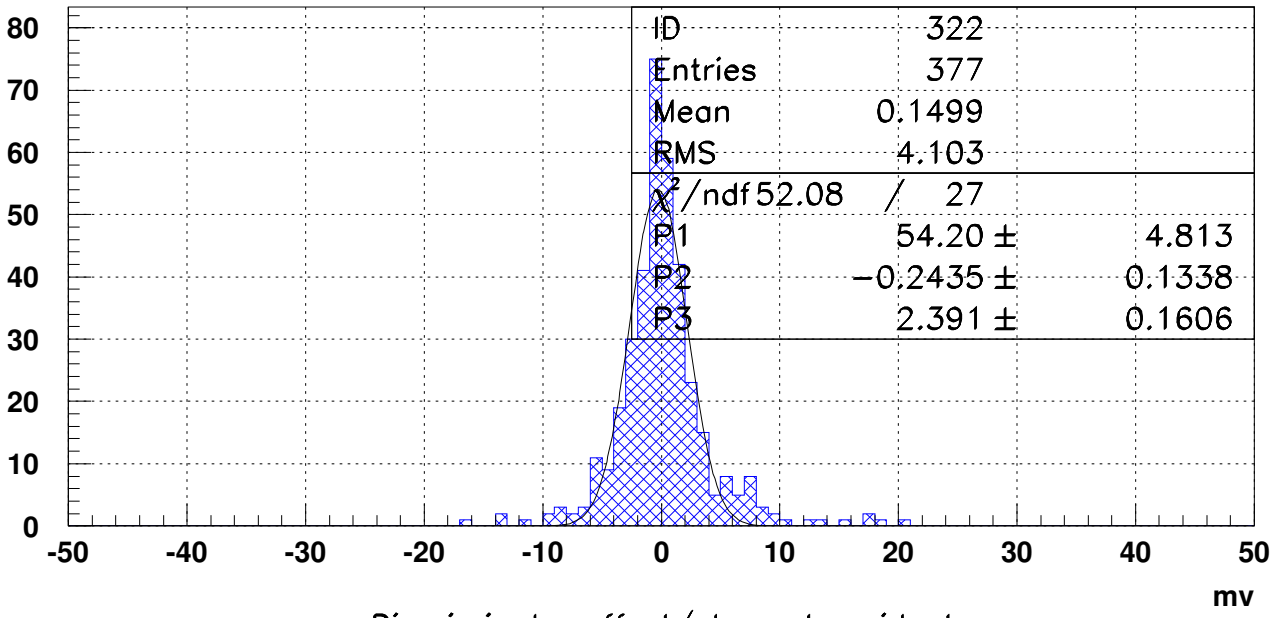


Discriminator offset/channel vs chip

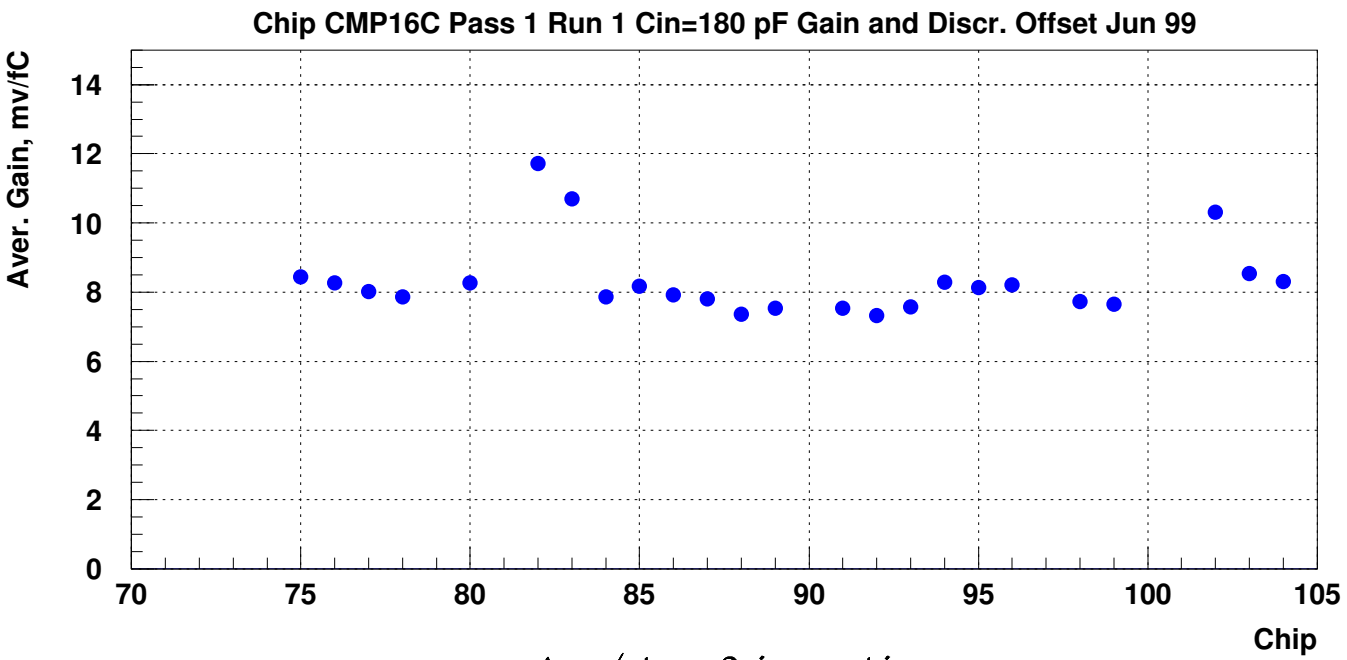
Chip CMP16C Pass 1 Run 1 Cin=180 pF Gain and Discr. Offset Jun 99



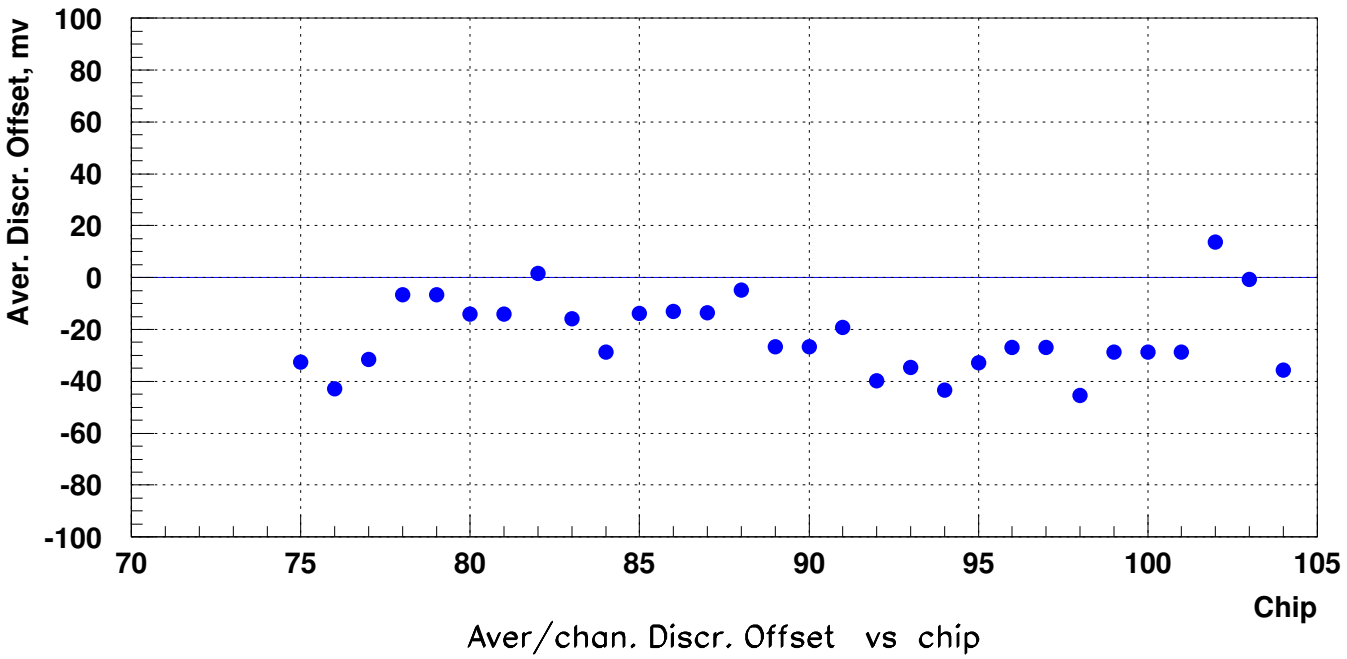
Gain/channel, residual



Discriminator offset/channel, residual



Aver/chan. Gain vs chip



Aver/chan. Discr. Offset vs chip