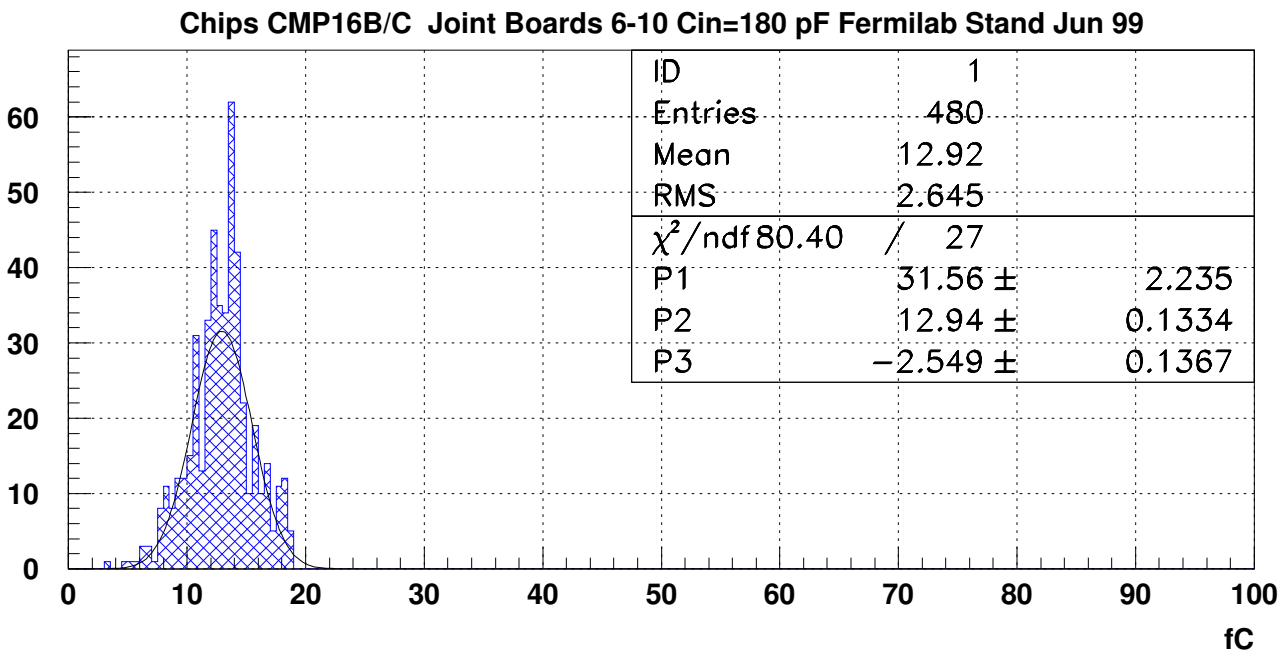
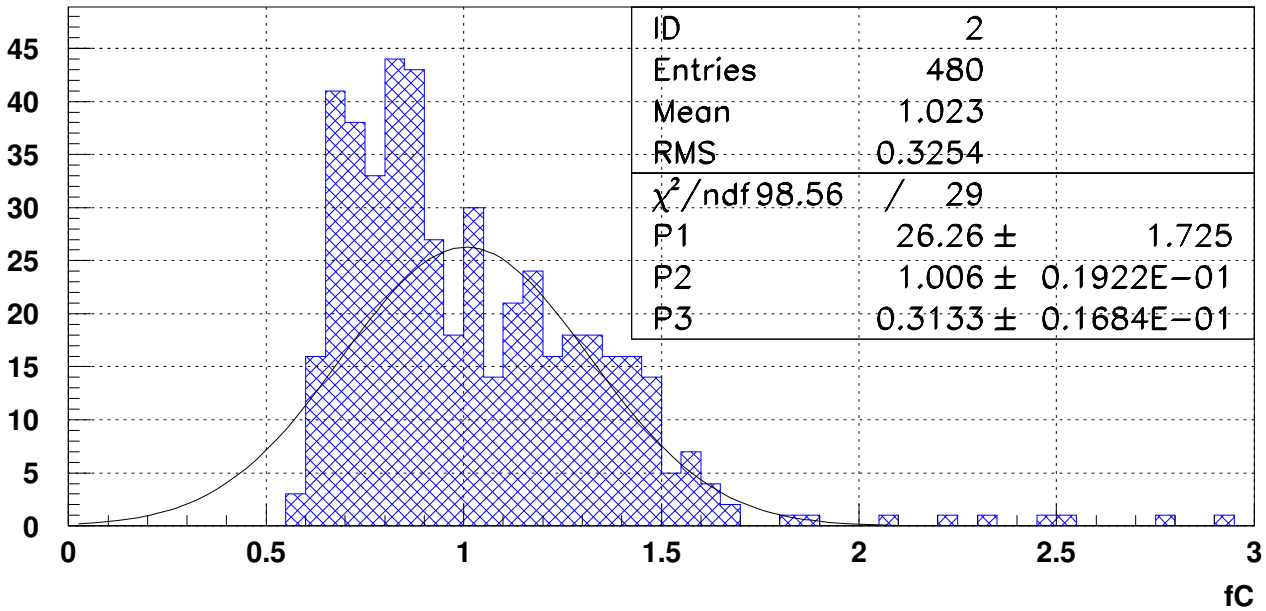
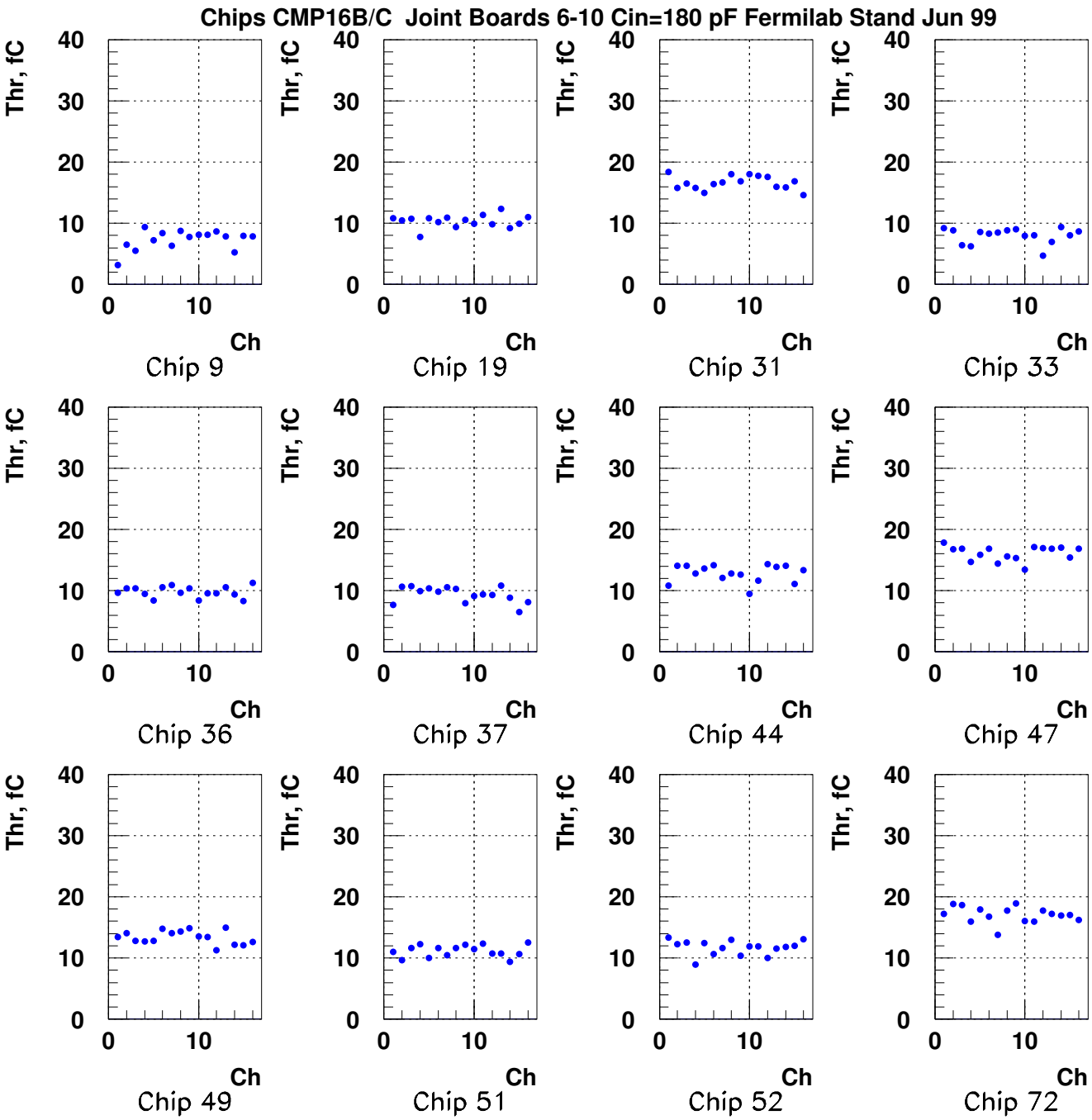
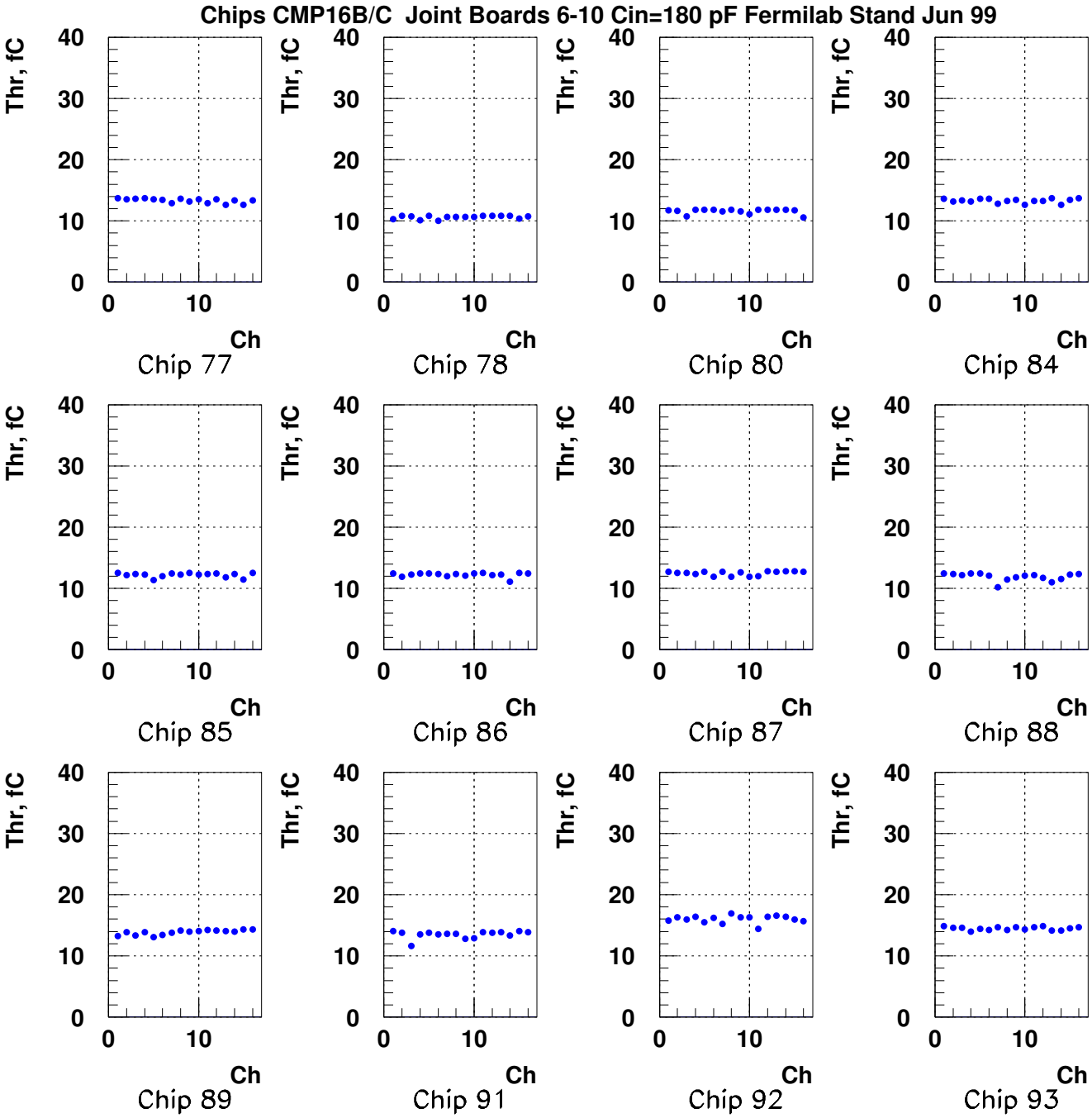


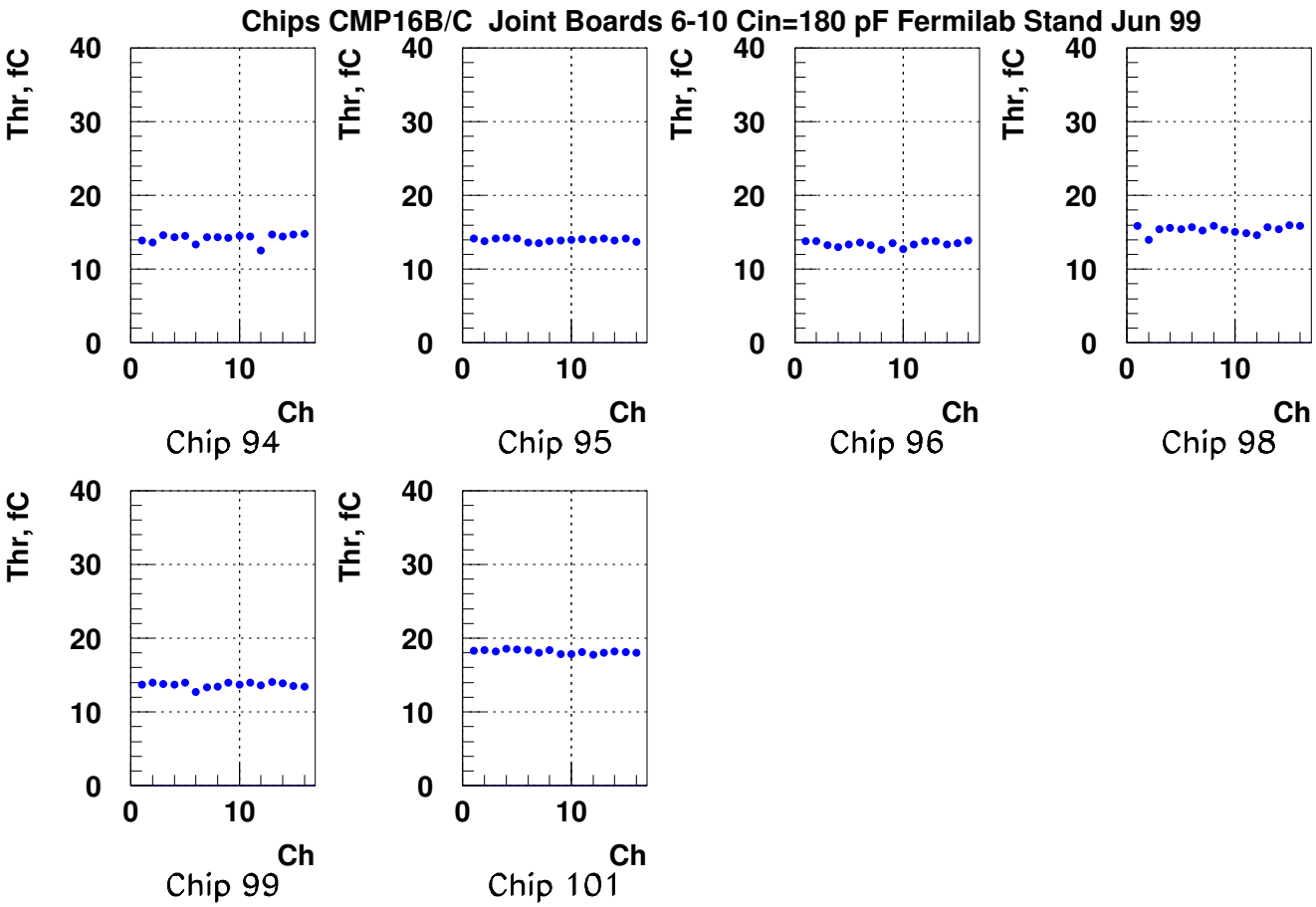
Threshold per channel

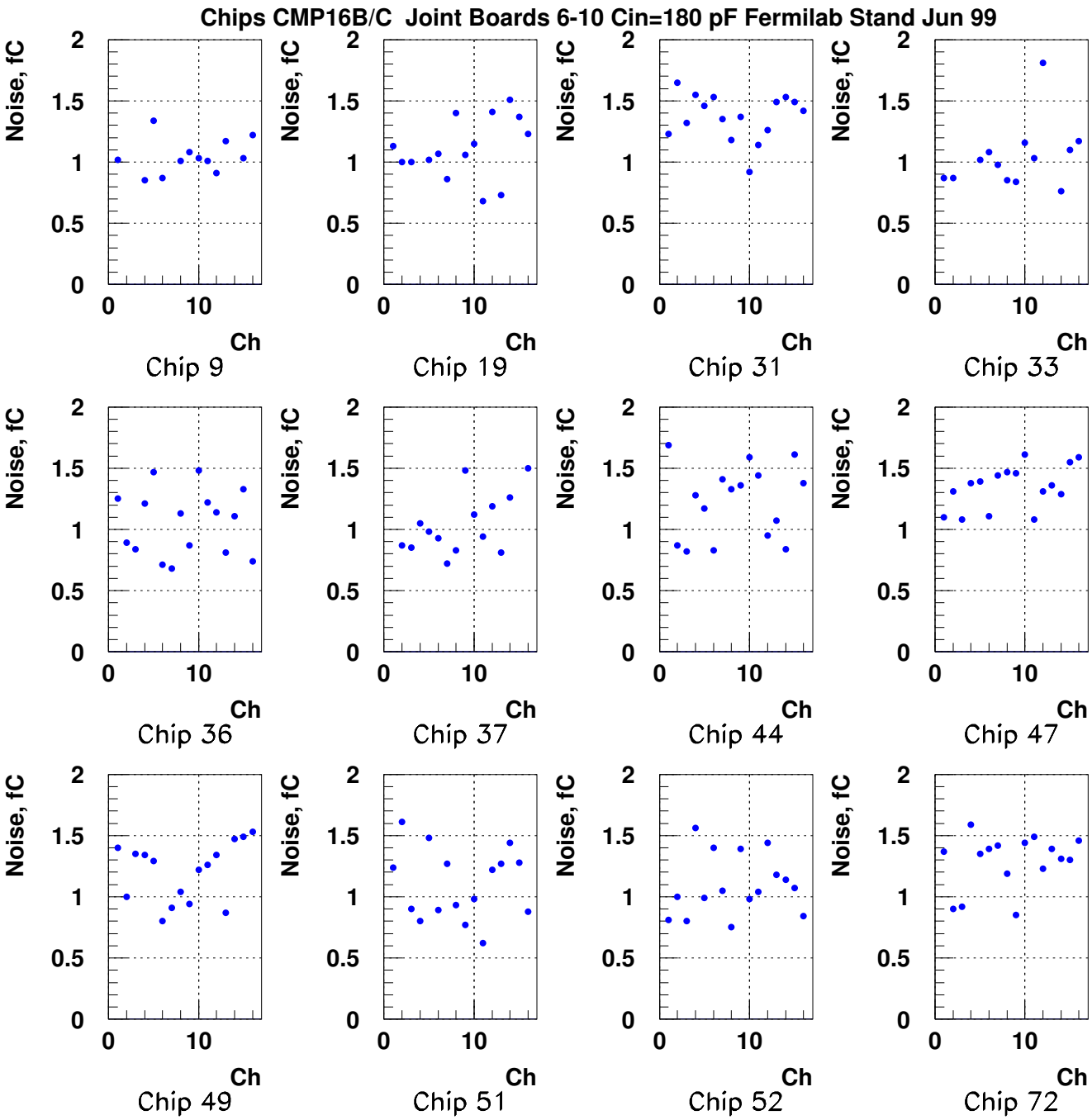


Noise per channel


Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Thr, fC
Ch
Chip 9
Chip 19
Chip 31
Chip 33
Chip 36
Chip 37
Chip 44
Chip 47
Chip 49
Chip 51
Chip 52
Chip 72


Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Thr, fC
Ch
Chip 77
Chip 78
Chip 80
Chip 84
Chip 85
Chip 86
Chip 87
Chip 88
Chip 89
Chip 91
Chip 92
Chip 93


Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Thr, fC
40
30
20
10
0
0
10
Ch
Chip 94
Chip 95
Chip 96
Chip 98
Chip 99
Chip 101


Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Noise, fC
Ch
Chip 9
Chip 19
Chip 31
Chip 33
Chip 36
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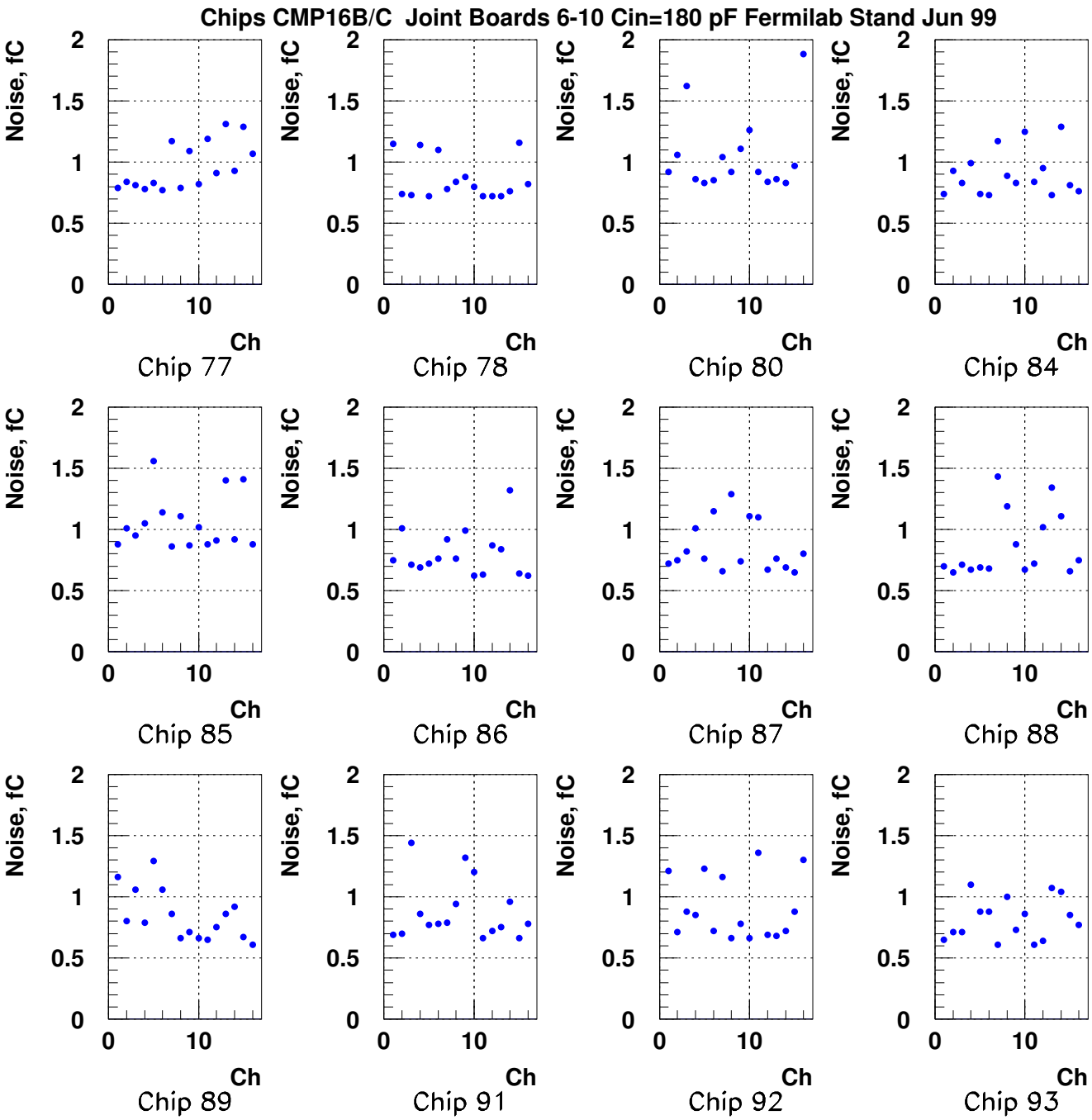
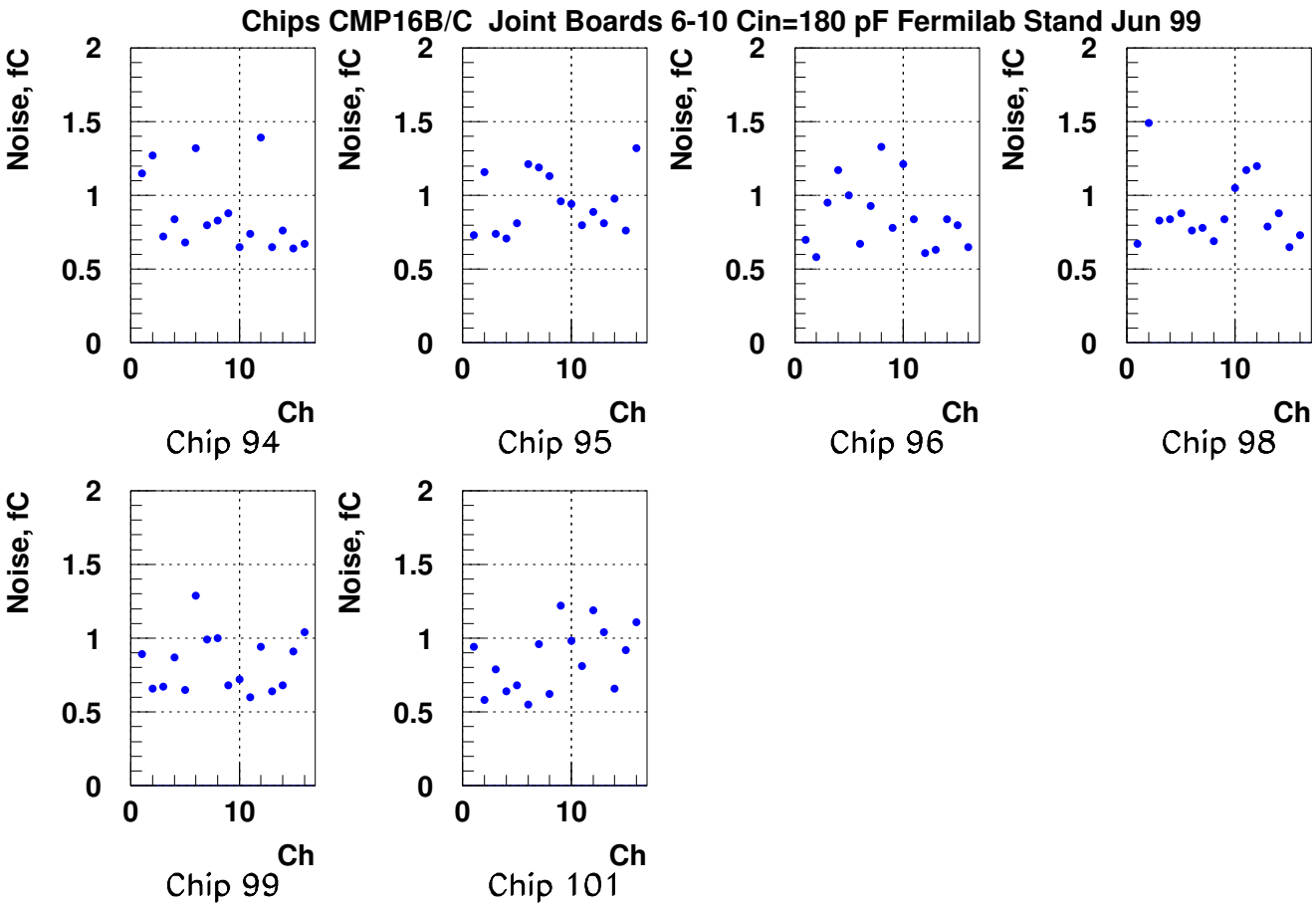
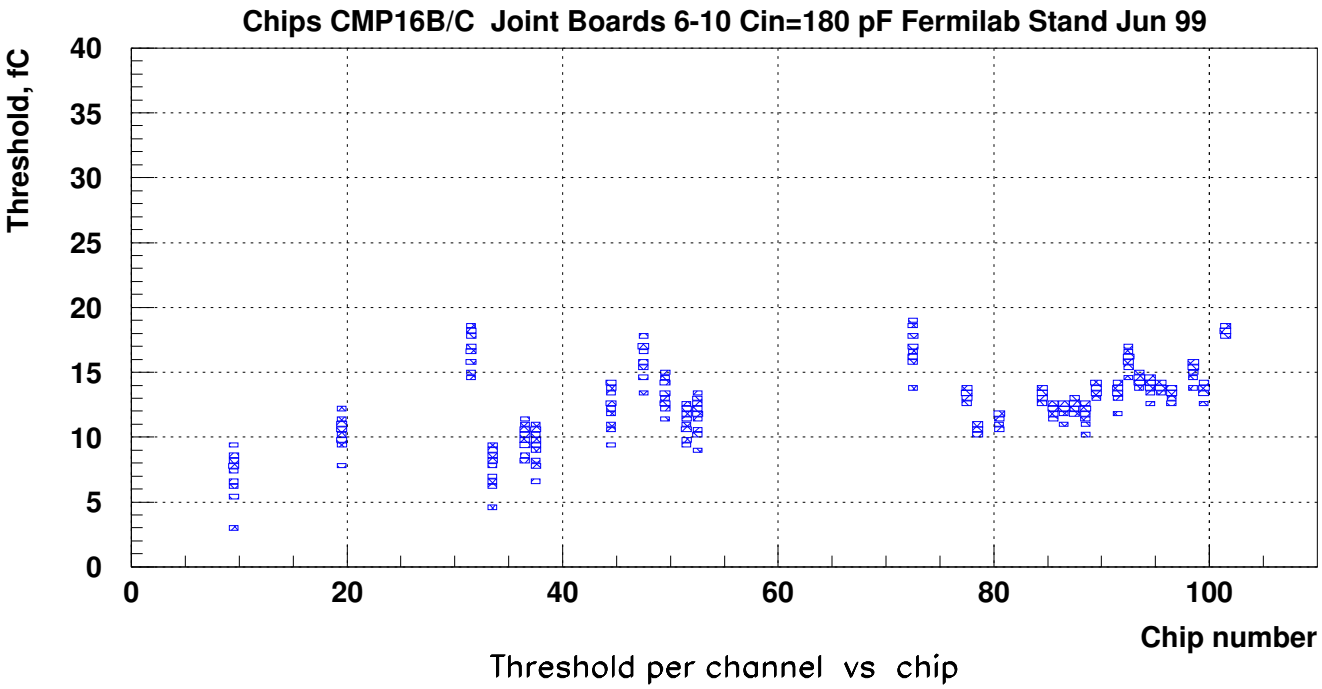
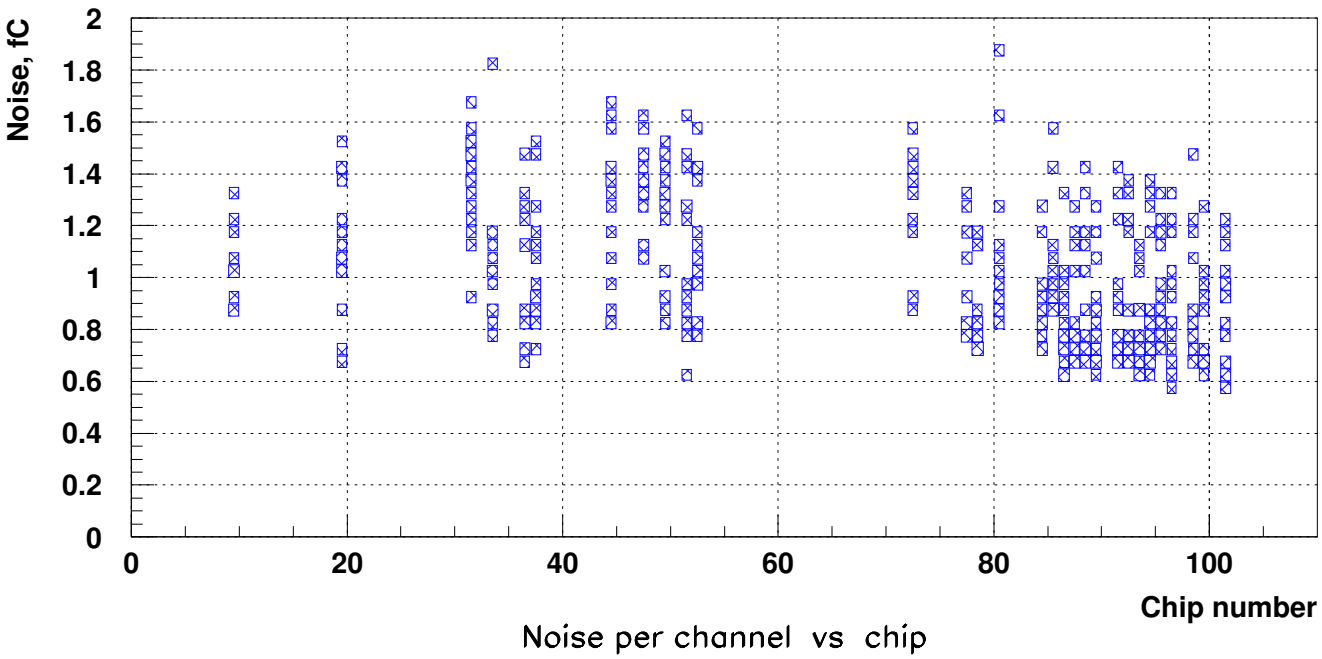
Chip 44
Chip 47
Chip 49
Chip 51
Chip 52
Chip 72


Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Noise, fC
Ch
Chip 77
Chip 78
Chip 80
Chip 84
Chip 85
Chip 86
Chip 87
Chip 88
Chip 89
Chip 91
Chip 92
Chip 93

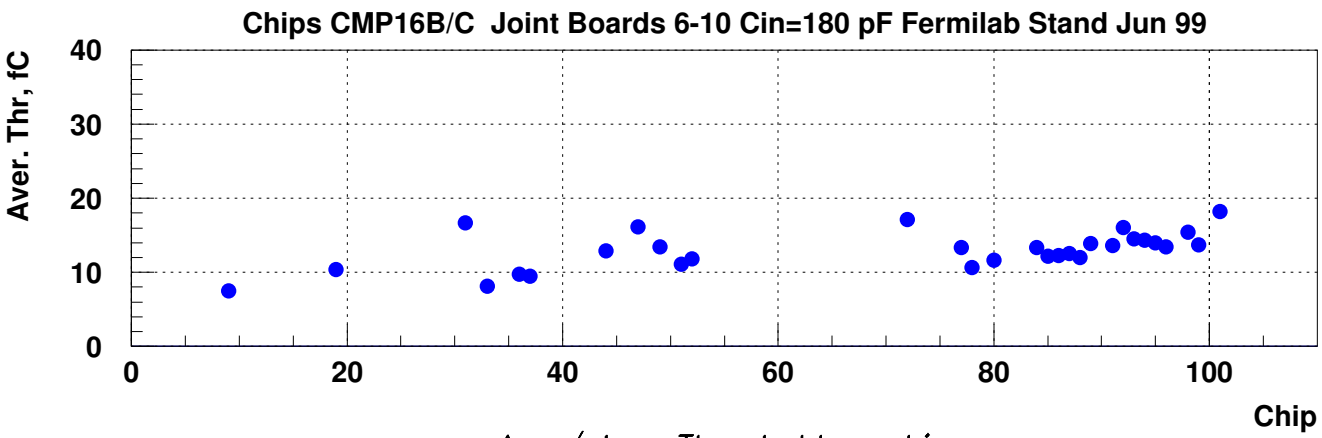

Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Noise, fC
Ch
Chip 94
Chip 95
Chip 96
Chip 98
Chip 99
Chip 101



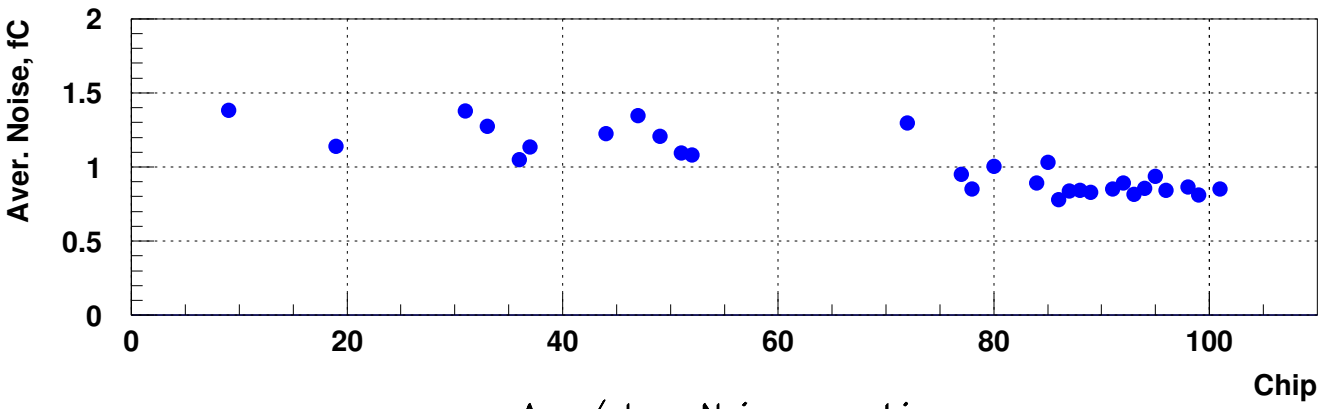
Threshold per channel vs chip



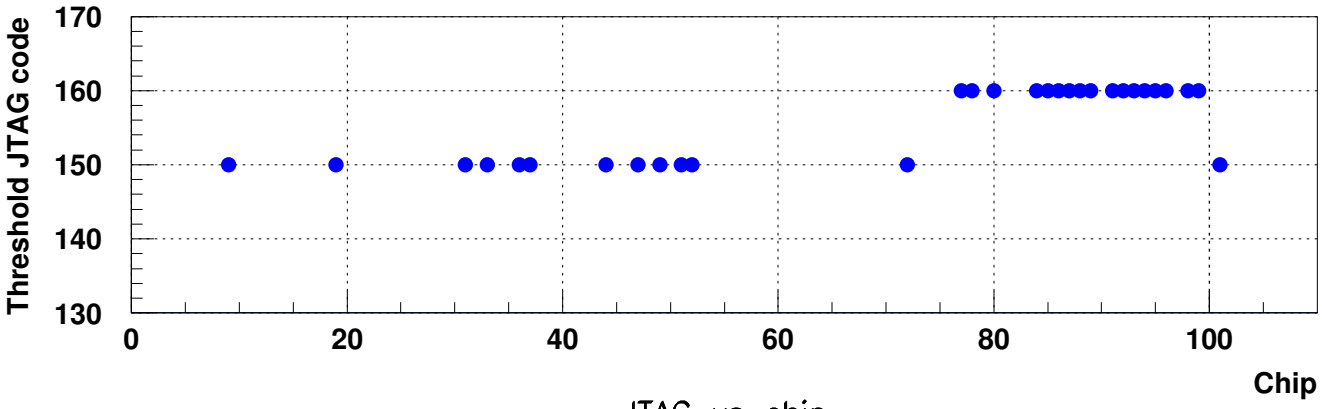
Noise per channel vs chip



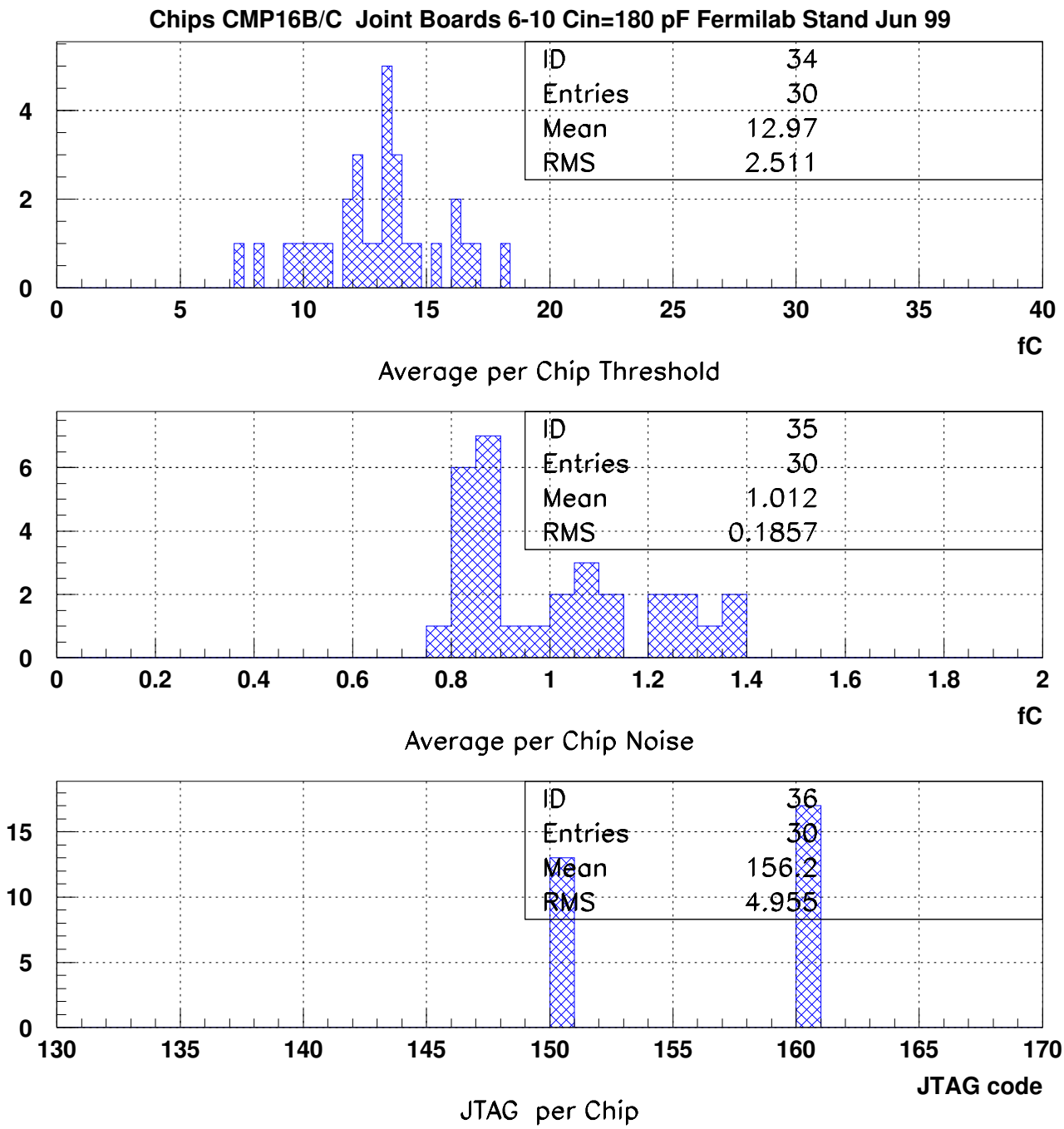
Aver/chan. Threshold vs chip

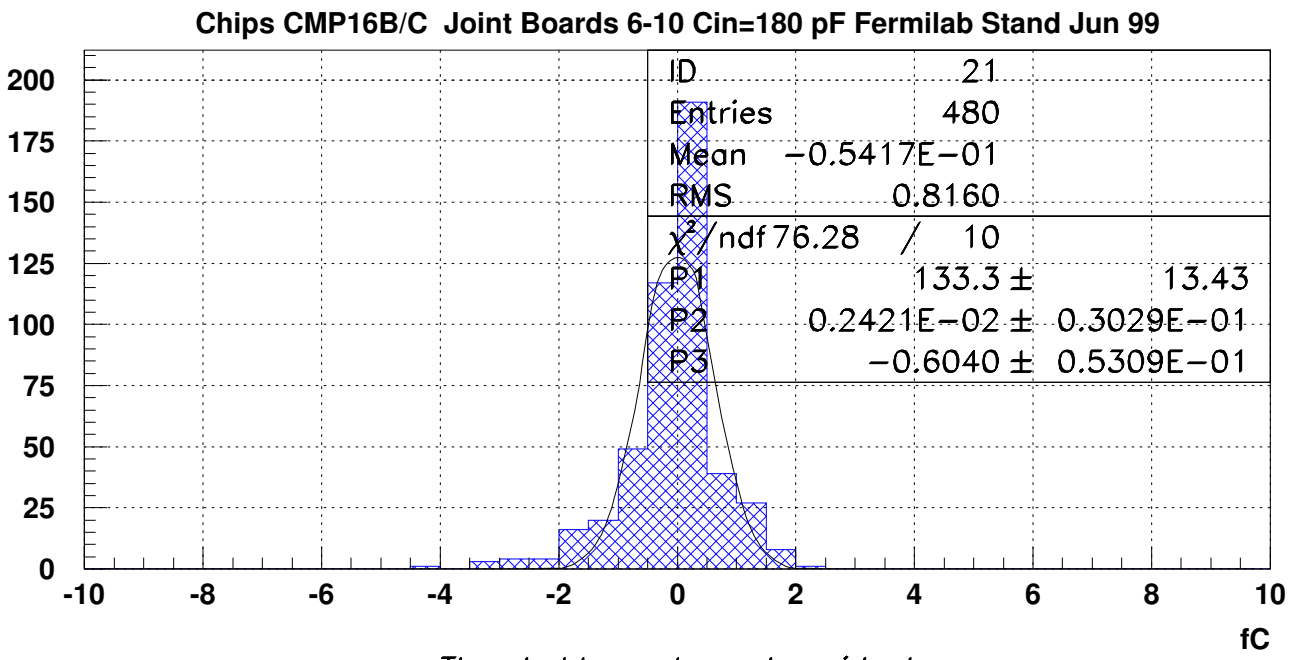


Aver/chan. Noise vs chip

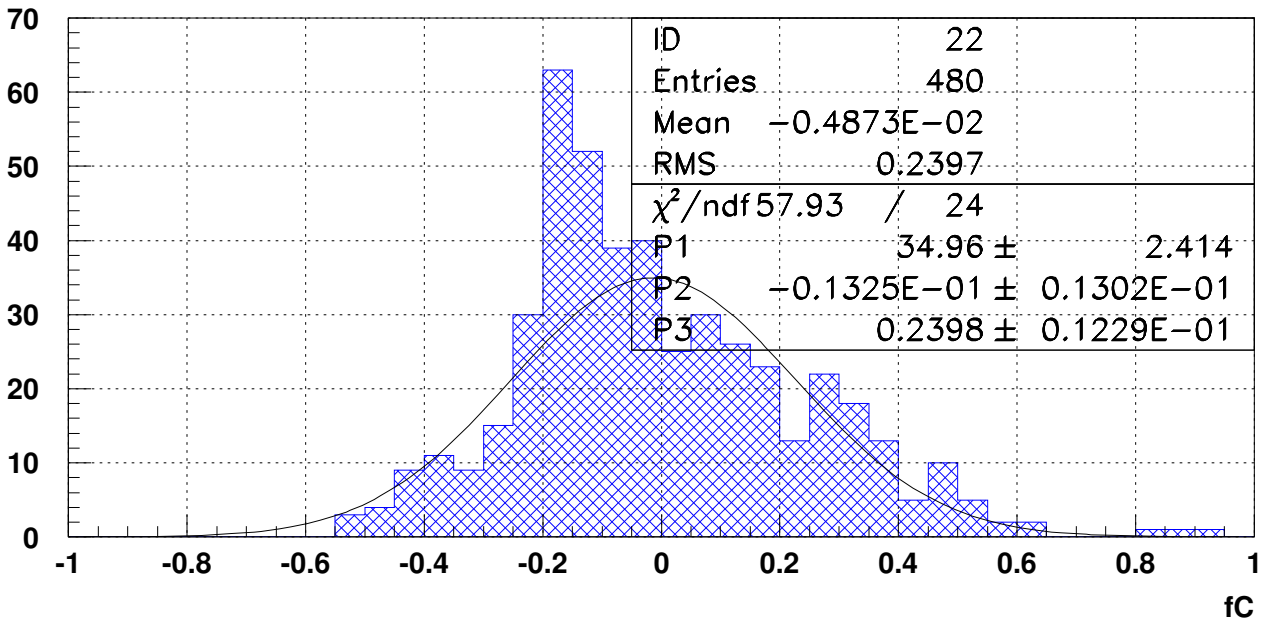


JTAG vs chip

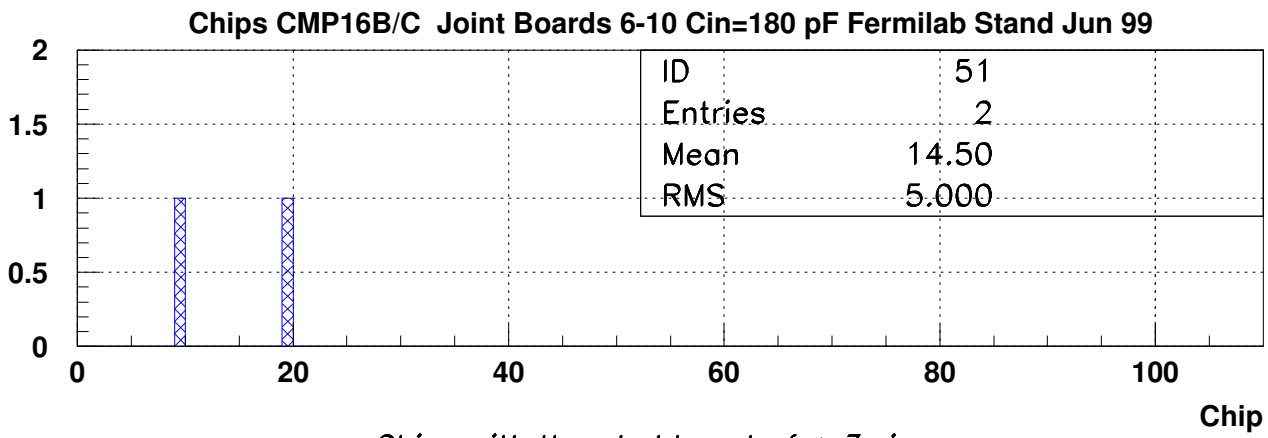

Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
ID 34
Entries 30
Mean 12.97
RMS 2.511
0 2 4
0 5 10 15 20 25 30 35 40
fC
Average per Chip Threshold
ID 35
Entries 30
Mean 1.012
RMS 0.1857
0 2 4 6
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
fC
Average per Chip Noise
ID 36
Entries 30
Mean 156.2
RMS 4.955
0 5 10 15
130 135 140 145 150 155 160 165 170
JTAG code
JTAG per Chip



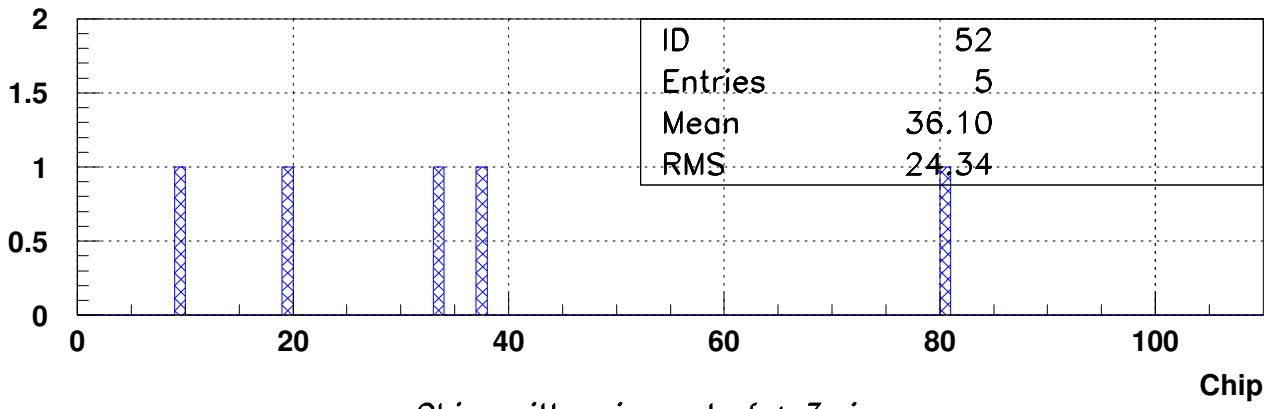
Threshold per channel, residual



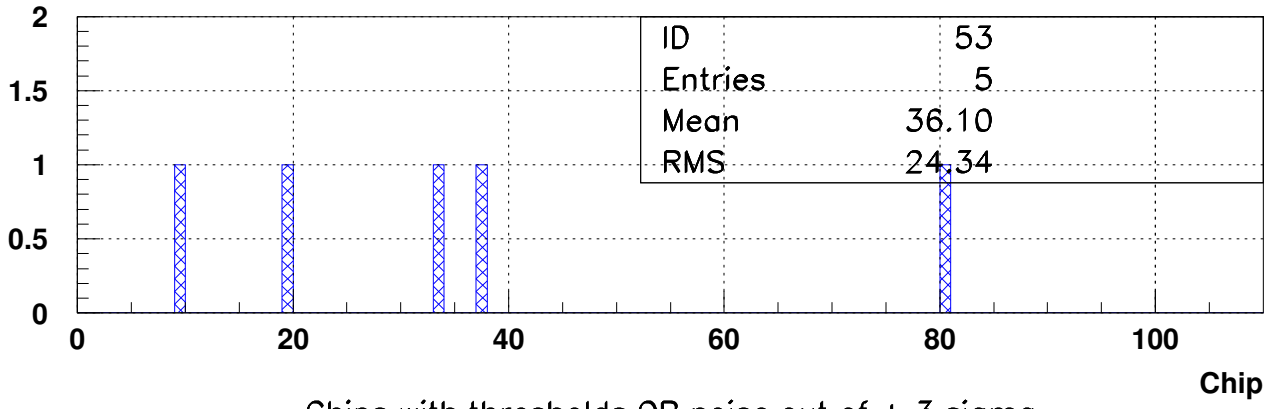
Noise per channel, residual



Chips with thresholds out of + 3 sigma

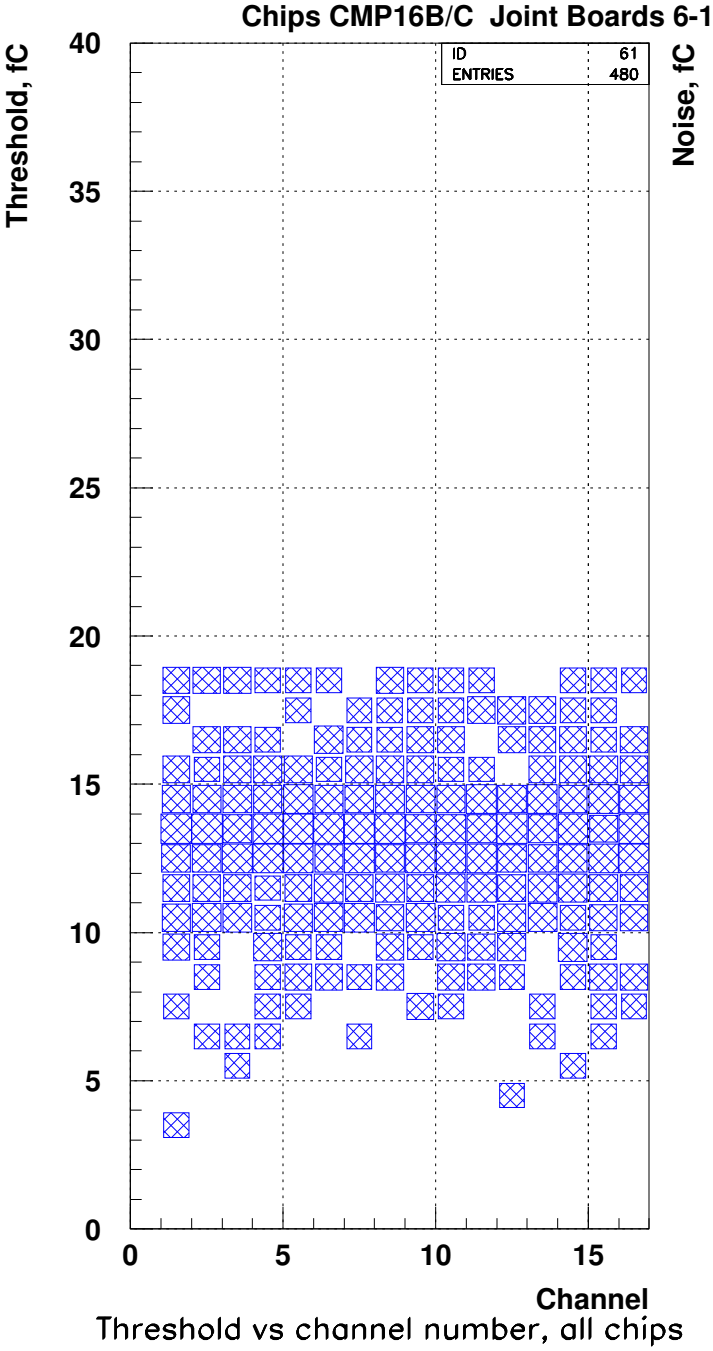


Chips with noise out of + 3 sigma

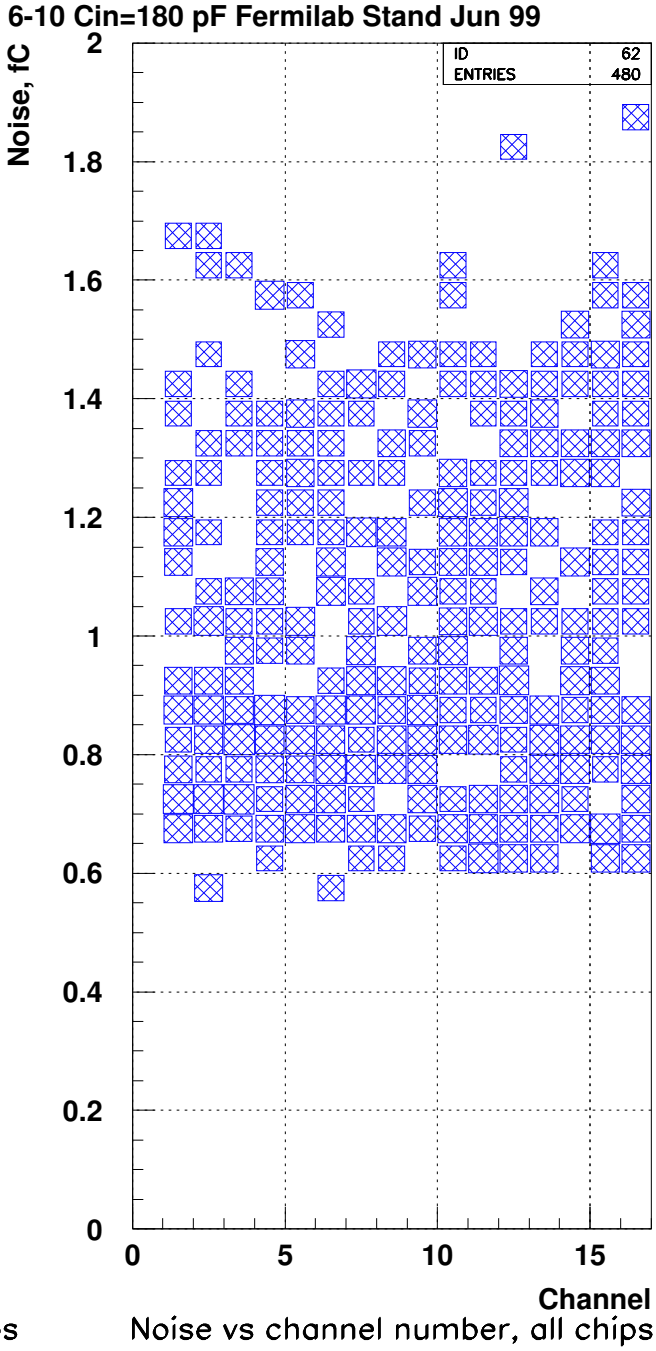


Chips with thresholds OR noise out of + 3 sigma

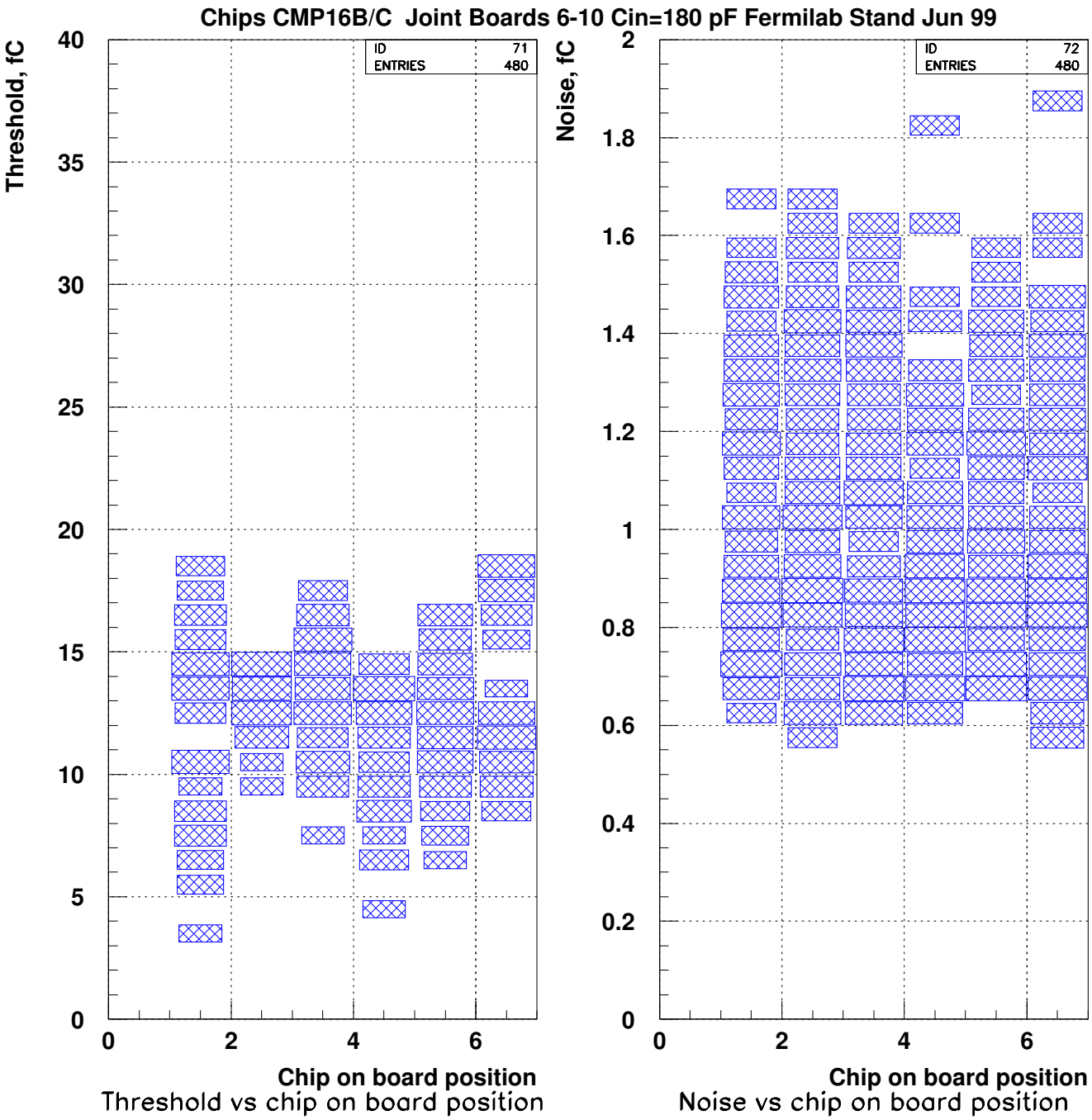
Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99

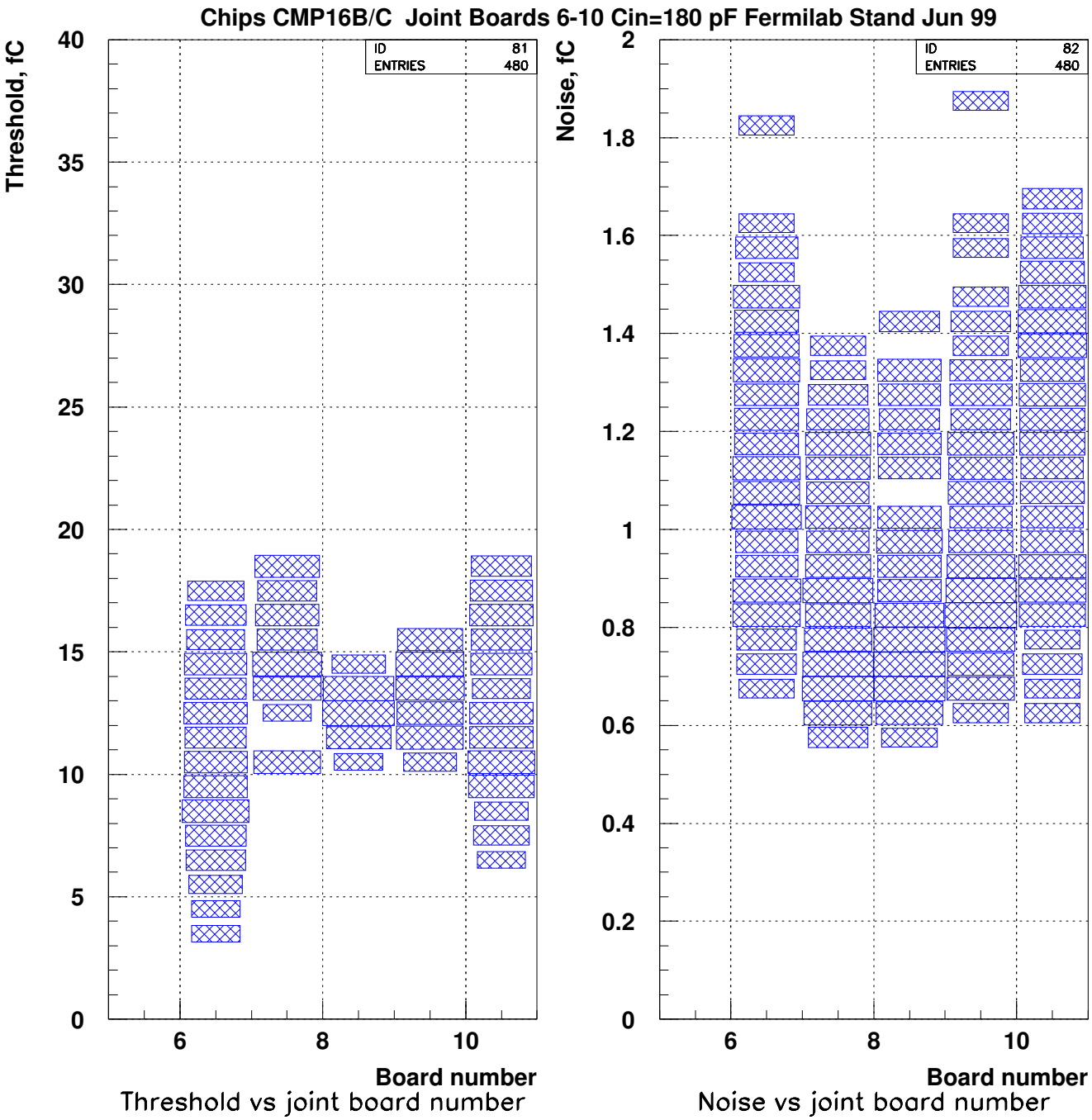


Threshold vs channel number, all chips



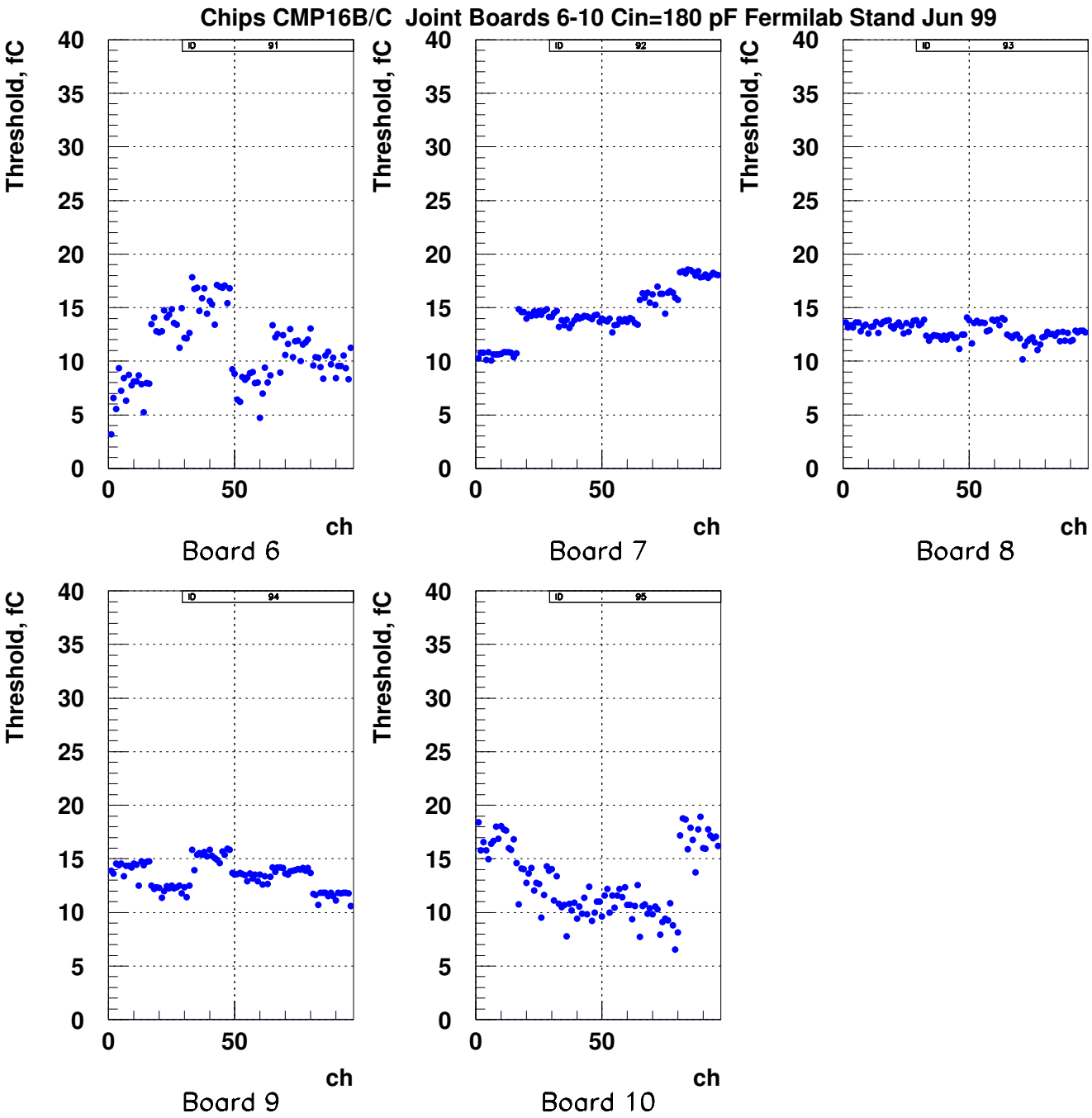
Noise vs channel number, all chips

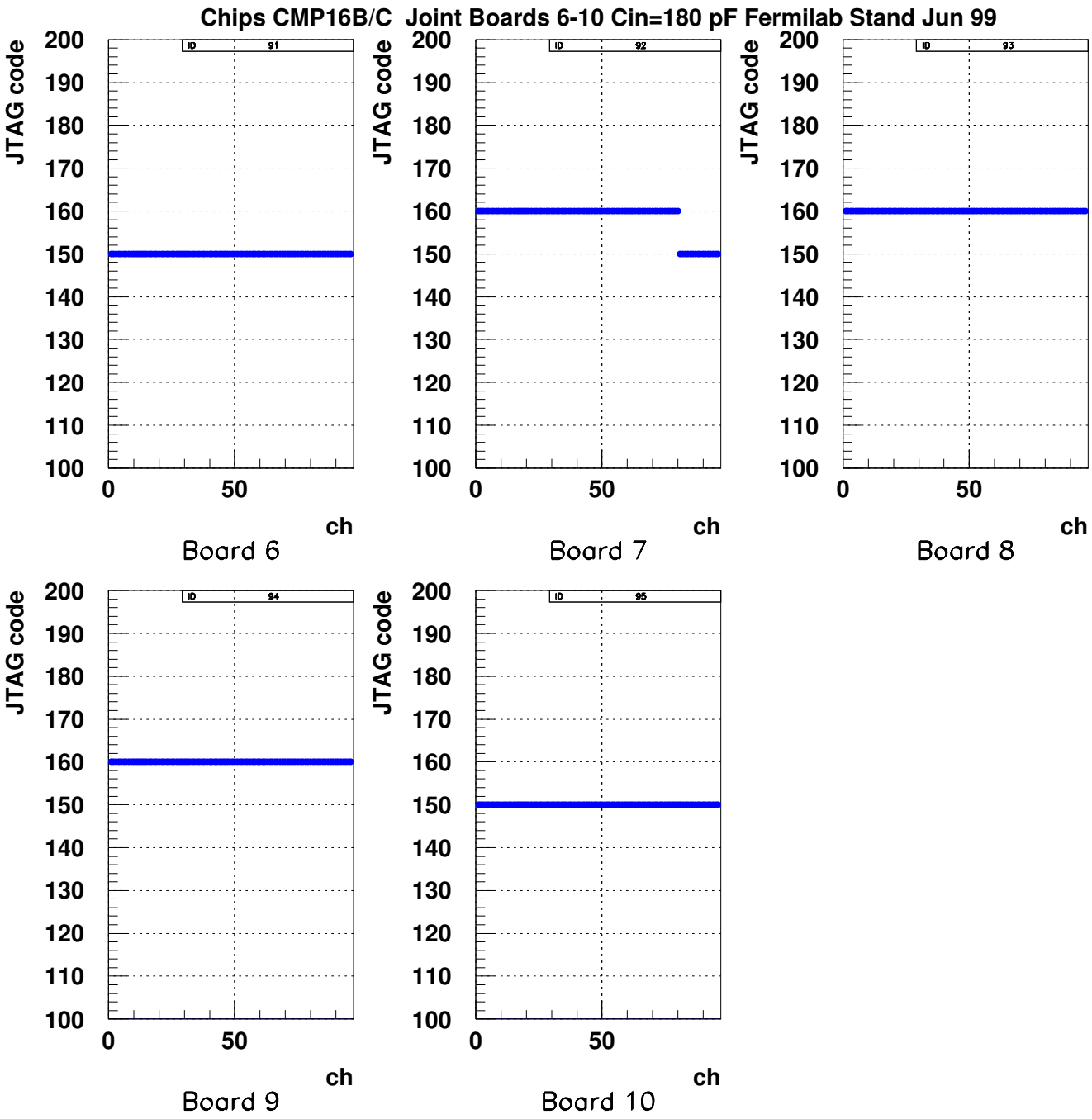

Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Threshold, fC
ID 71
ENTRIES 480
Chip on board position
Threshold vs chip on board position
Noise, fC
ID 72
ENTRIES 480
Chip on board position
Noise vs chip on board position

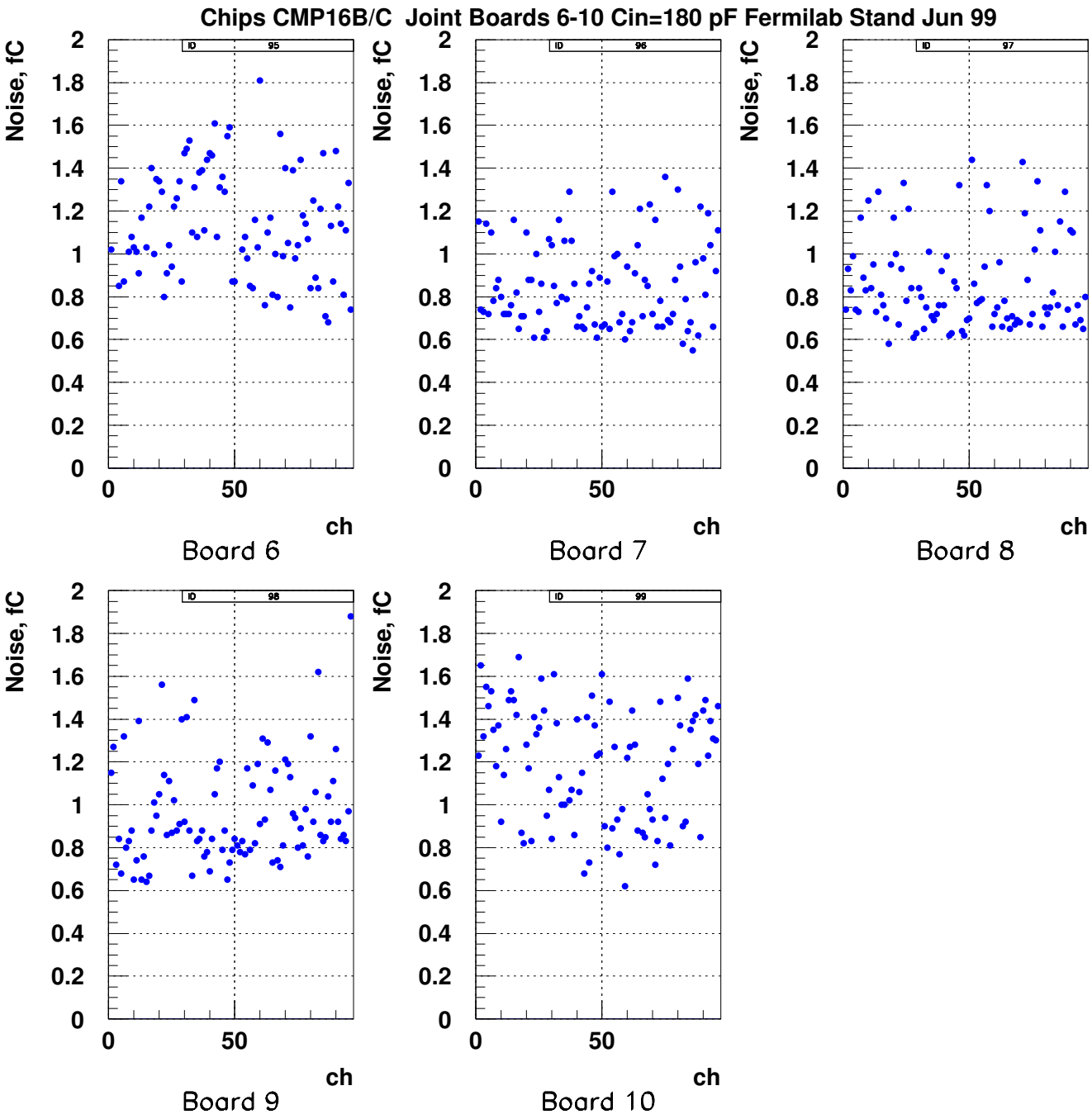


Threshold vs joint board number

Noise vs joint board number


Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Threshold, fC
ch
ID 91
Board 6
ID 92
Board 7
ID 93
Board 8
ID 94
Board 9
ID 95
Board 10


Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
JTAG code
200
190
180
170
160
150
140
130
120
110
100
0
50
ch
ID 91
Board 6
ID 92
Board 7
ID 93
Board 8
ID 94
Board 9
ID 95
Board 10


Chips CMP16B/C Joint Boards 6-10 Cin=180 pF Fermilab Stand Jun 99
Noise, fC
ch
ID 95
Board 6
ID 96
Board 7
ID 97
Board 8
ID 98
Board 9
ID 99
Board 10