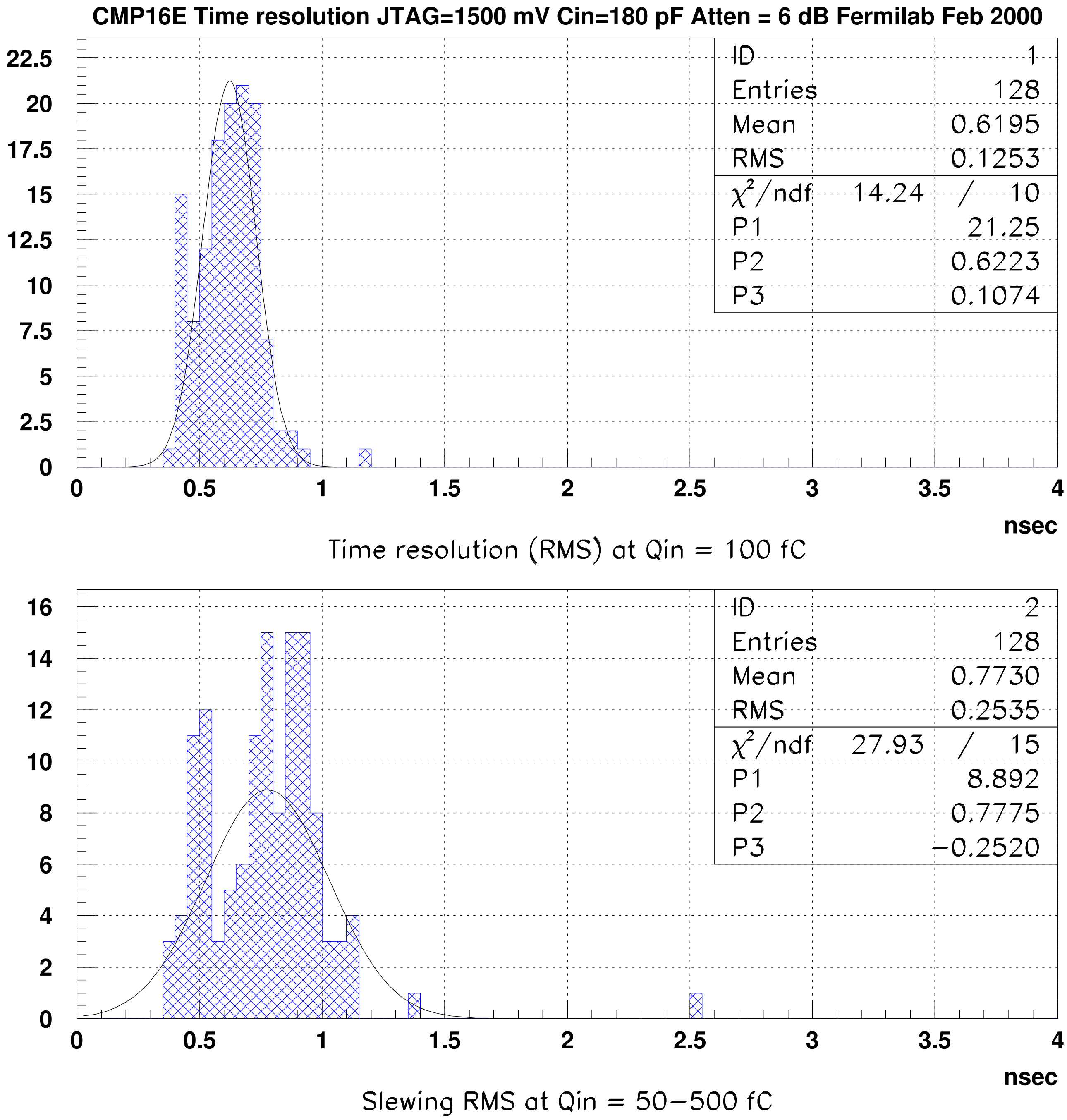
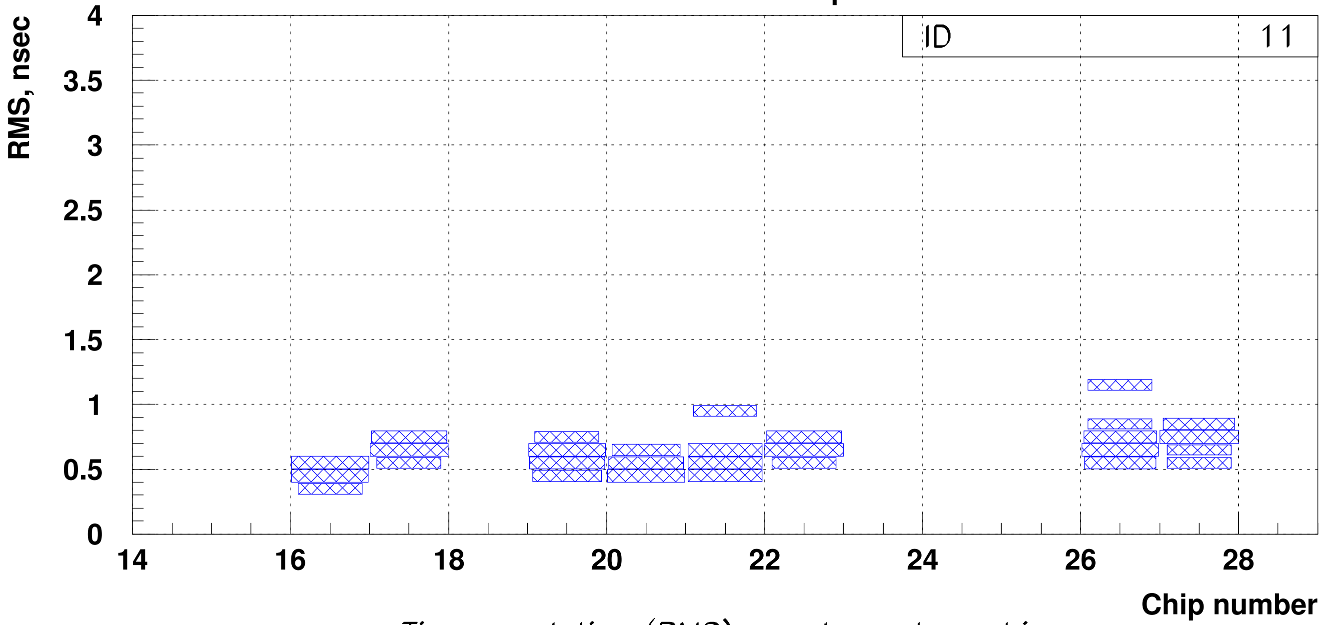
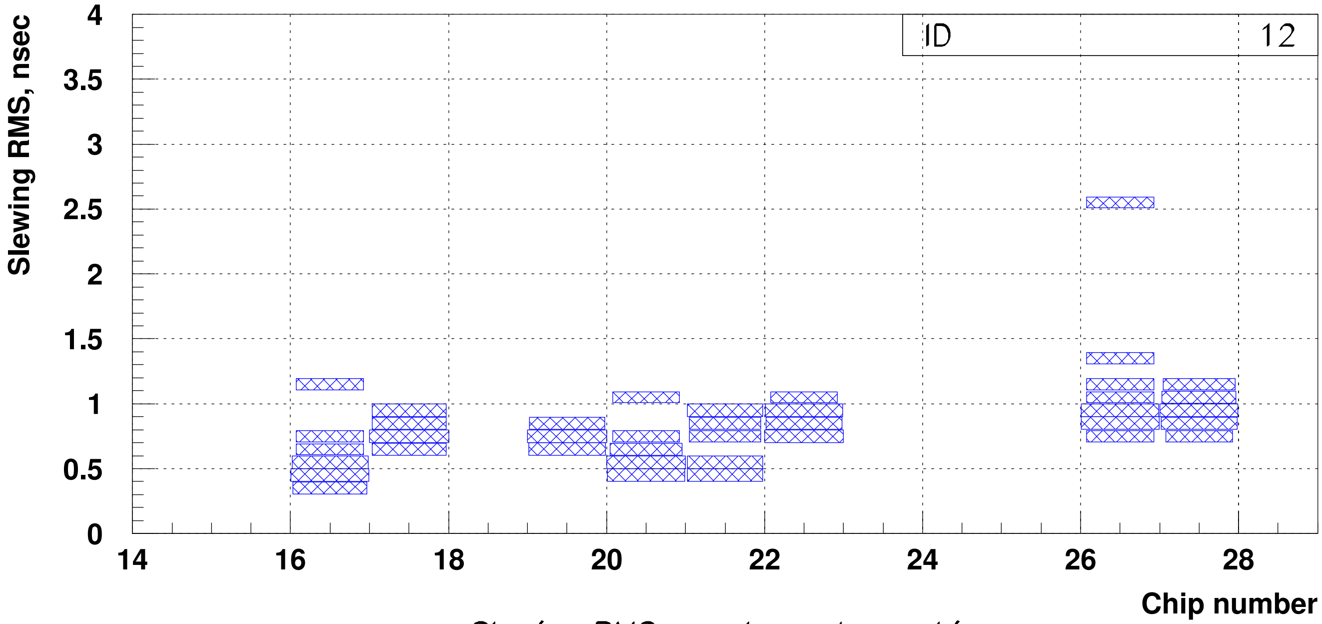

CMP16E Time resolution JTAG=1500 mV Cin=180 pF Atten = 6 dB Fermilab Feb 2000
ID 1
Entries 128
Mean 0.6195
RMS 0.1253
χ^2/ndf 14.24 / 10
P1 21.25
P2 0.6223
P3 0.1074
nsec
Time resolution (RMS) at Qin = 100 fC
ID 2
Entries 128
Mean 0.7730
RMS 0.2535
χ^2/ndf 27.93 / 15
P1 8.892
P2 0.7775
P3 −0.2520
nsec
Slewing RMS at Qin = 50−500 fC

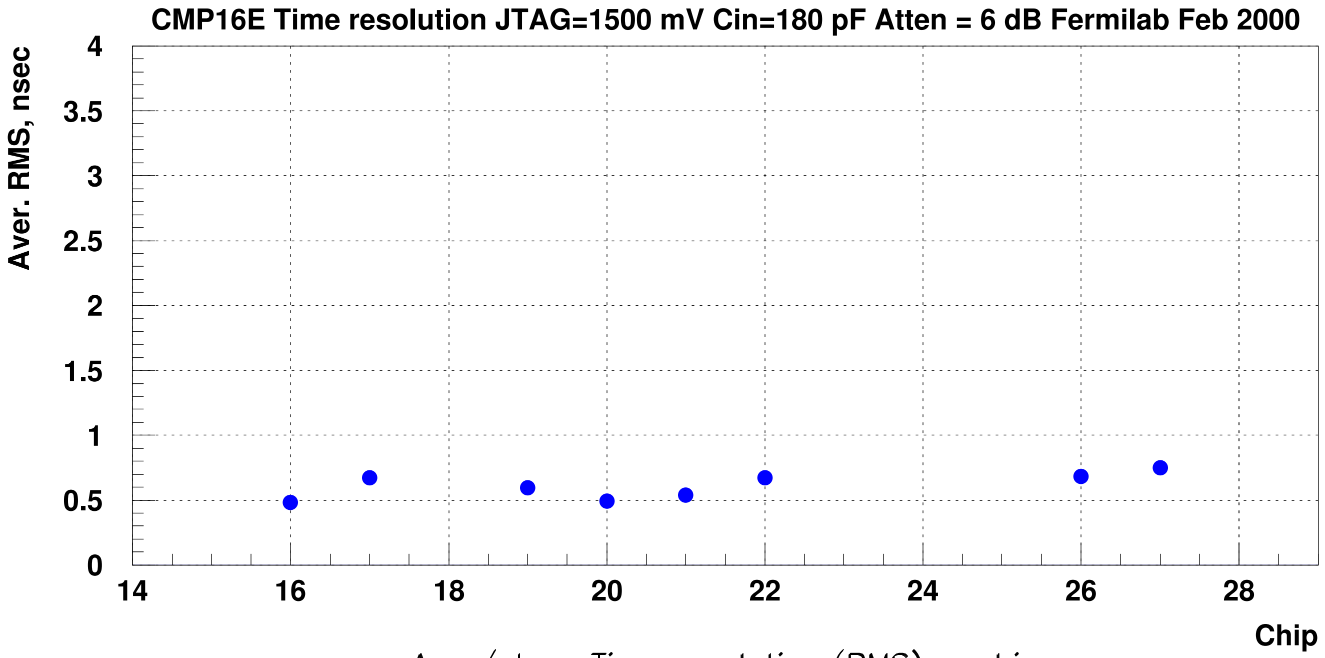
CMP16E Time resolution JTAG=1500 mV Cin=180 pF Atten = 6 dB Fermilab Feb 2000



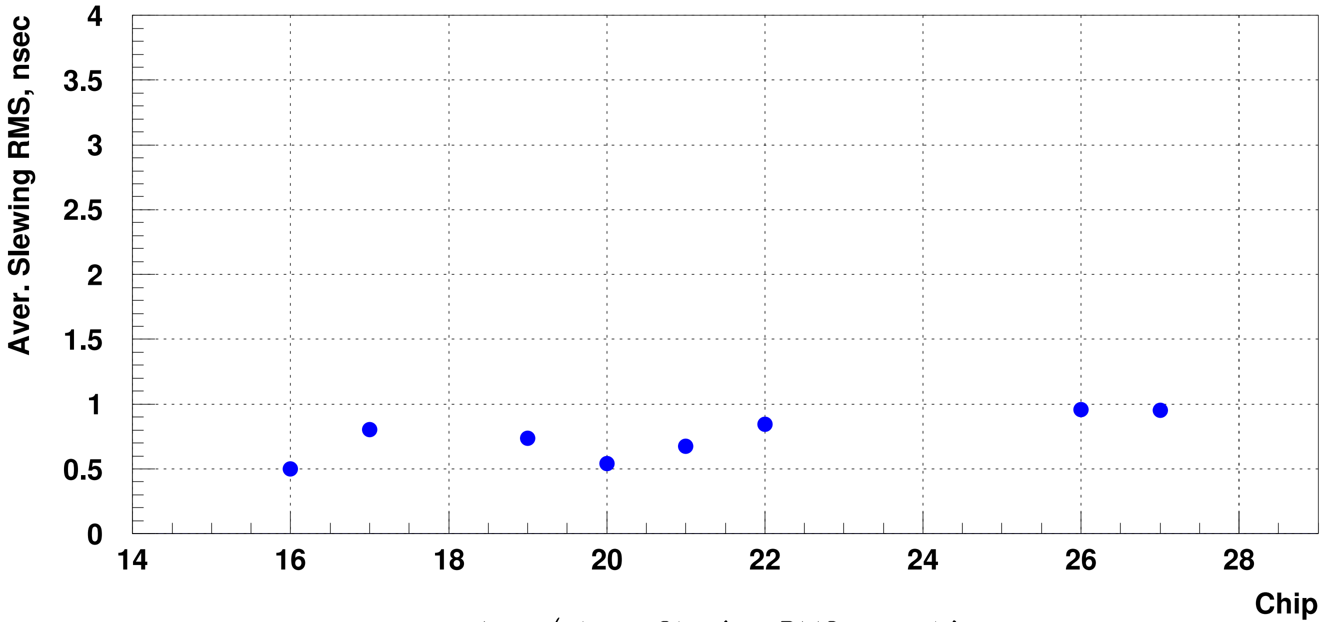
Time resolution (RMS) per channel vs chip



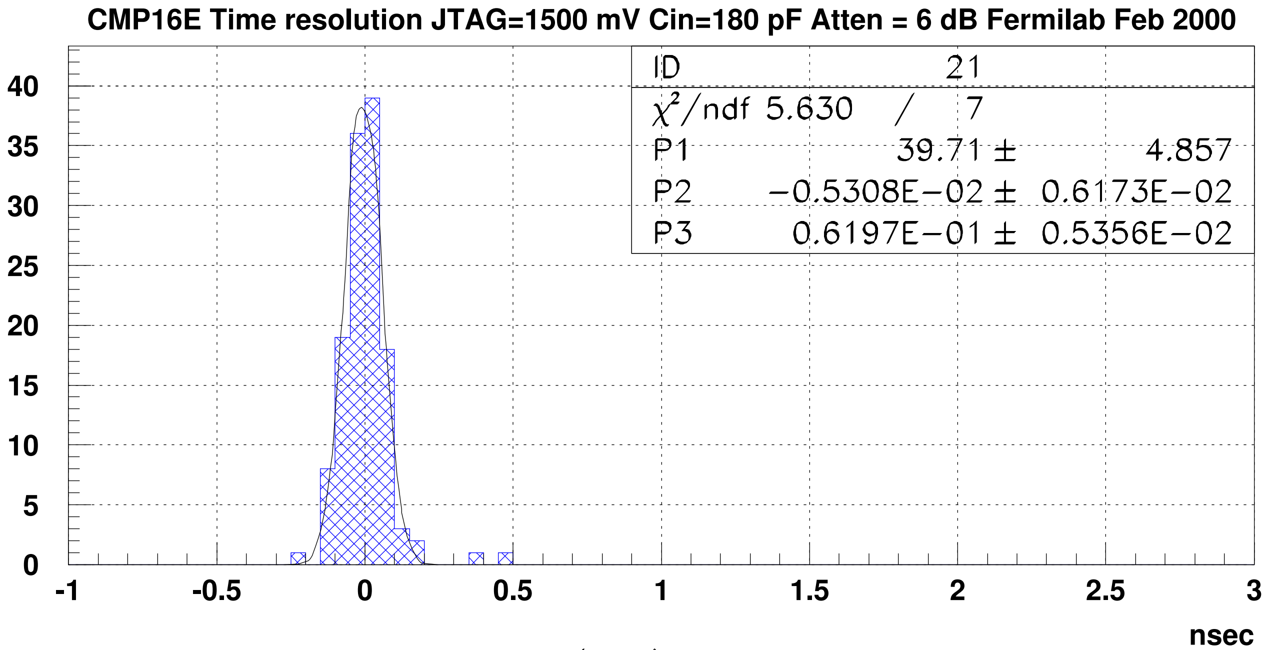
Slewing RMS per channel vs chip



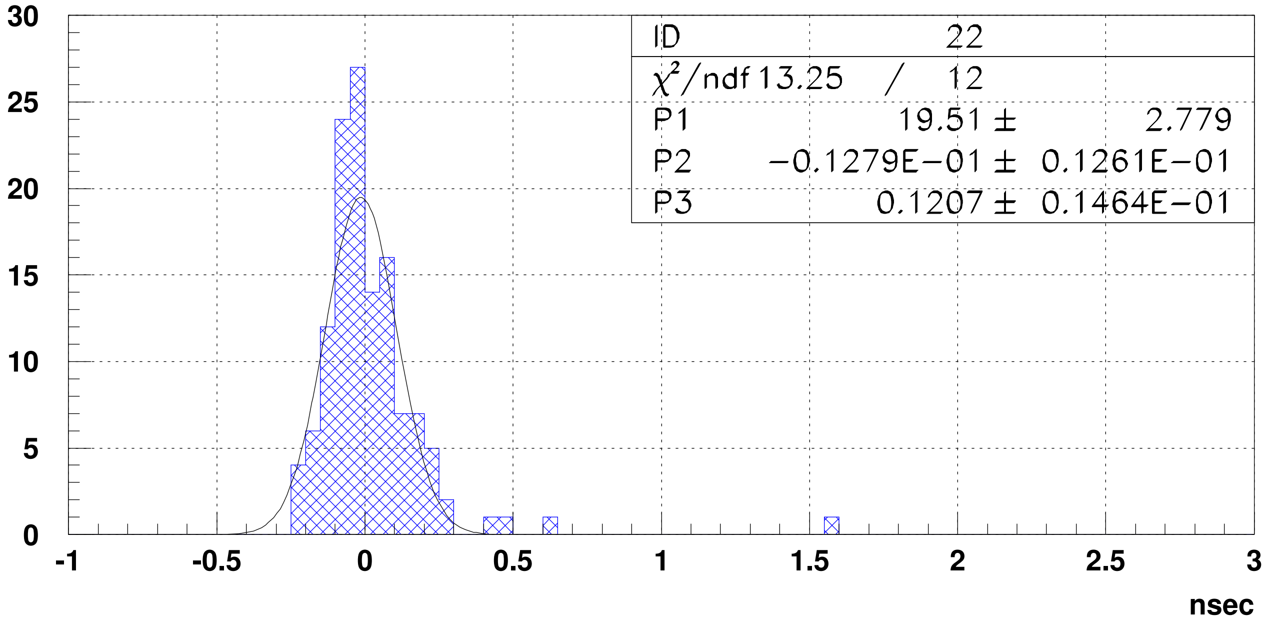
Aver/chan. Time resolution (RMS) vs chip



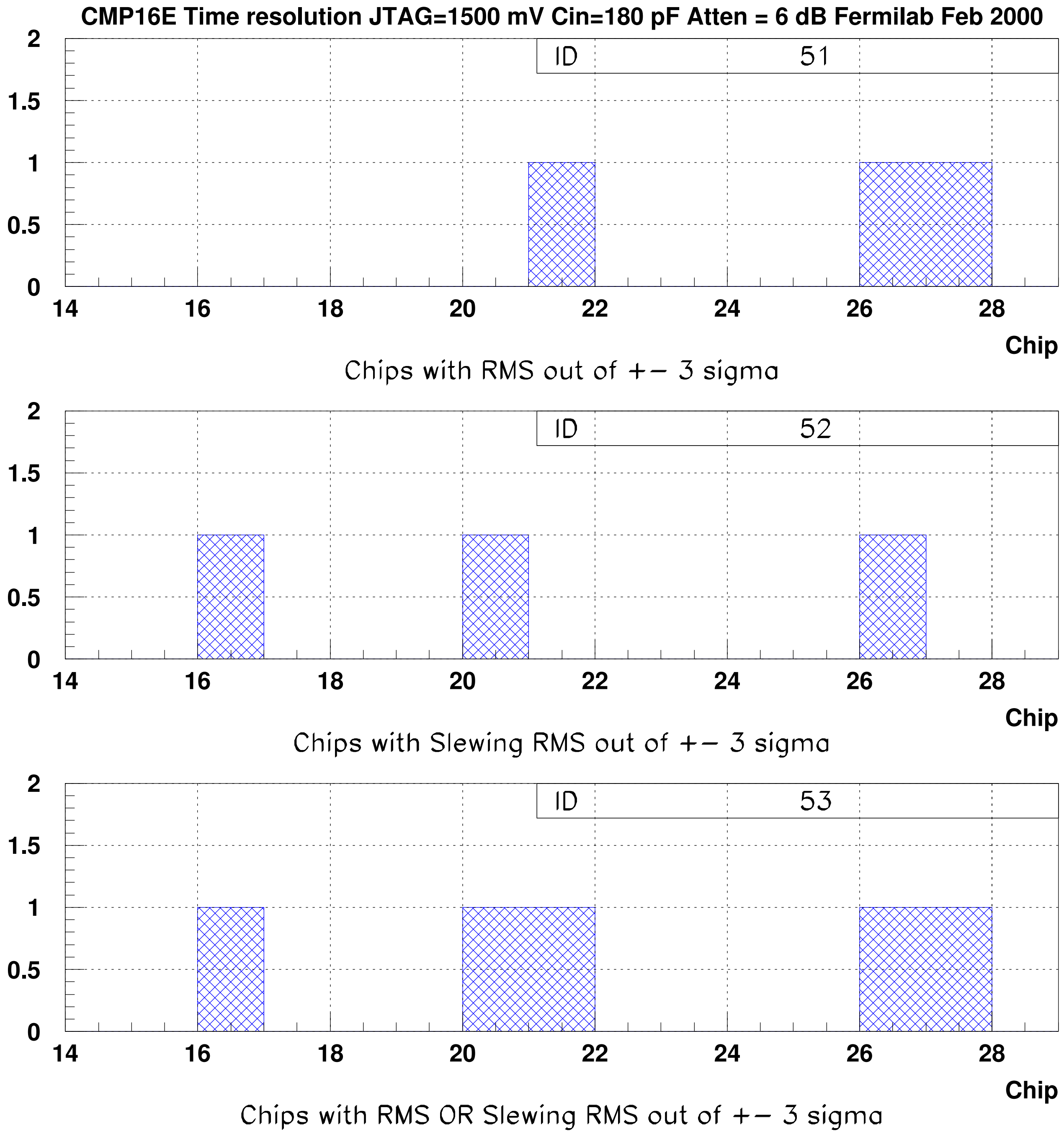
Aver/chan. Slewing RMS vs chip

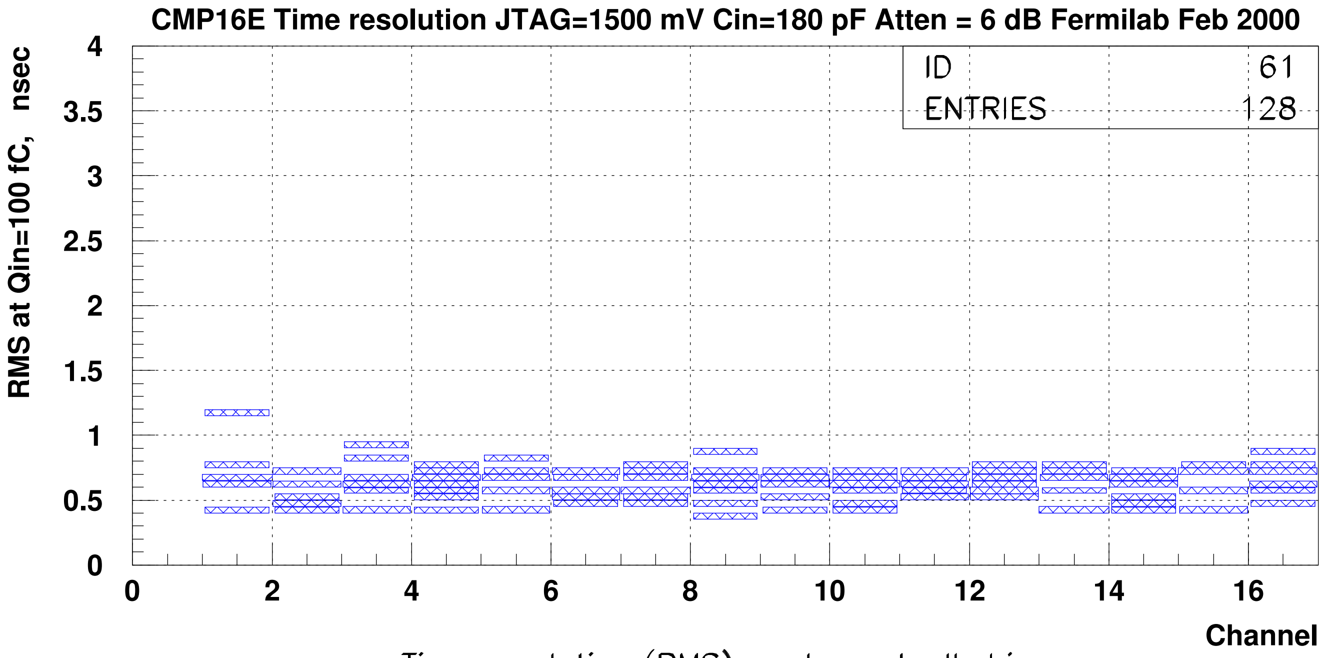


Time resolution (RMS) per channel, residual

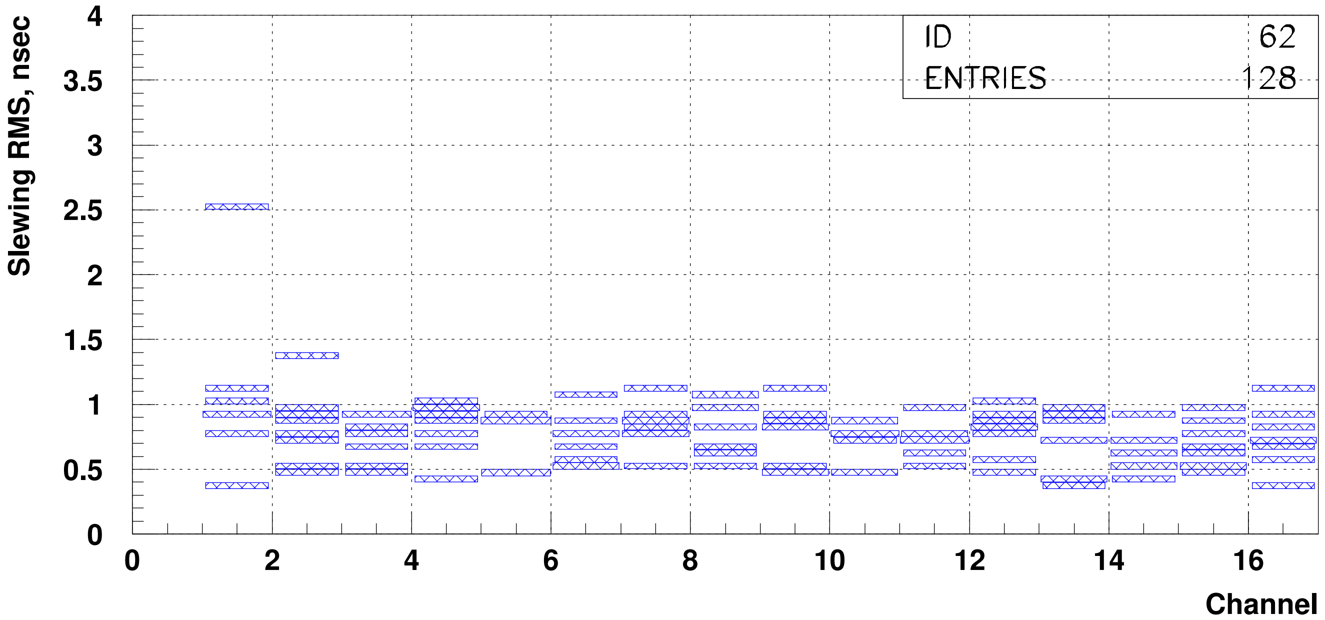


Slewing RMS per channel, residual

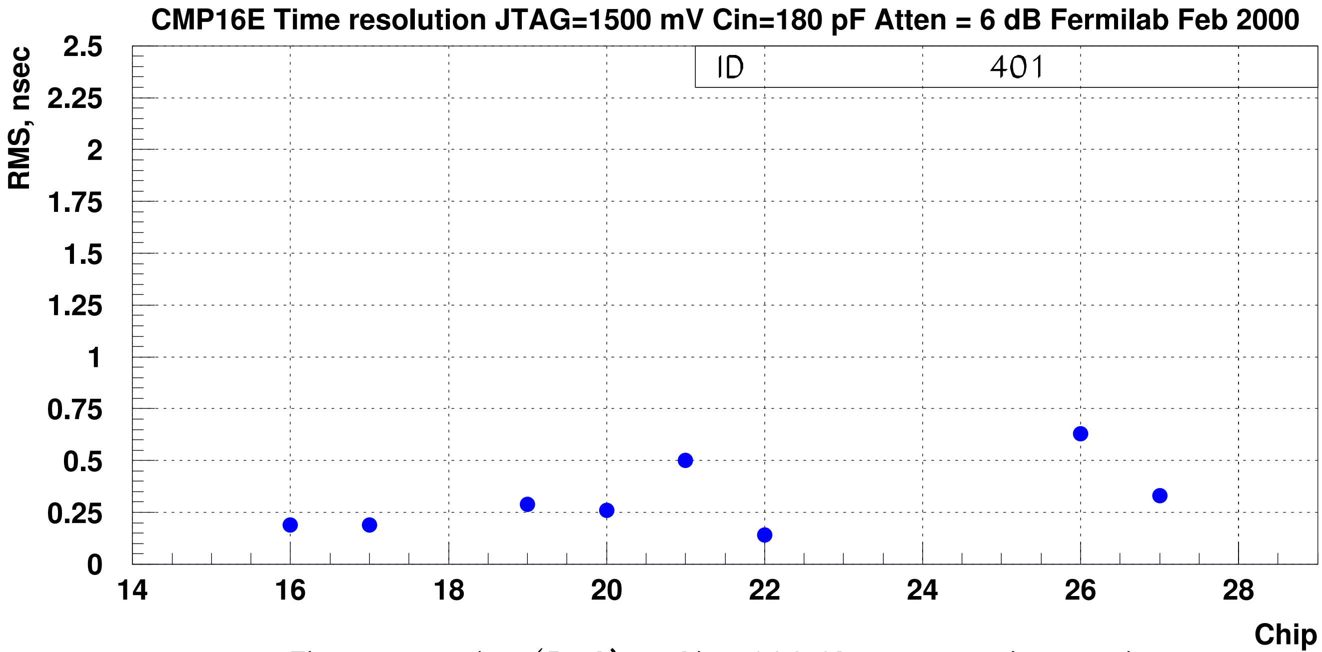

CMP16E Time resolution JTAG=1500 mV Cin=180 pF Atten = 6 dB Fermilab Feb 2000
ID 51
2
1.5
1
0.5
0
14 16 18 20 22 24 26 28
Chip
Chips with RMS out of +- 3 sigma
ID 52
2
1.5
1
0.5
0
14 16 18 20 22 24 26 28
Chip
Chips with Slewing RMS out of +- 3 sigma
ID 53
2
1.5
1
0.5
0
14 16 18 20 22 24 26 28
Chip
Chips with RMS OR Slewing RMS out of +- 3 sigma



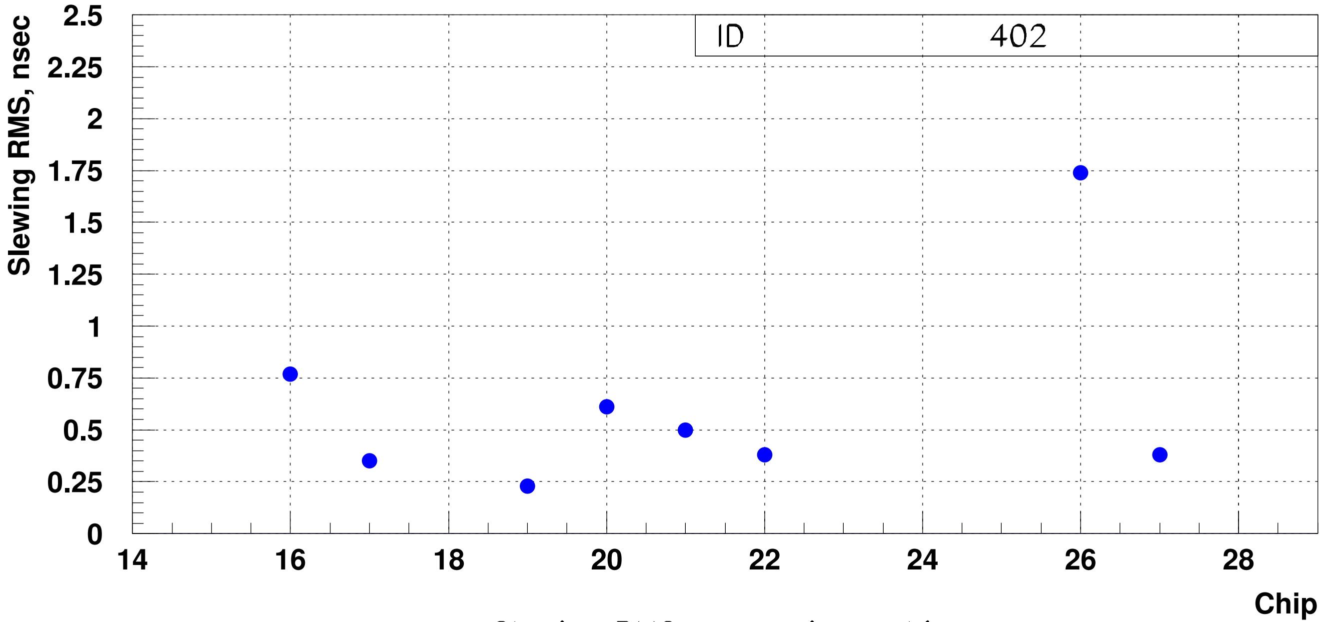
Time resolution (RMS) vs channel, all chips



Slewing RMS vs channel, all chips



Time resolution (RMS) at Qin=100 fC, max − min vs chip



Slewing RMS max−min vs chip