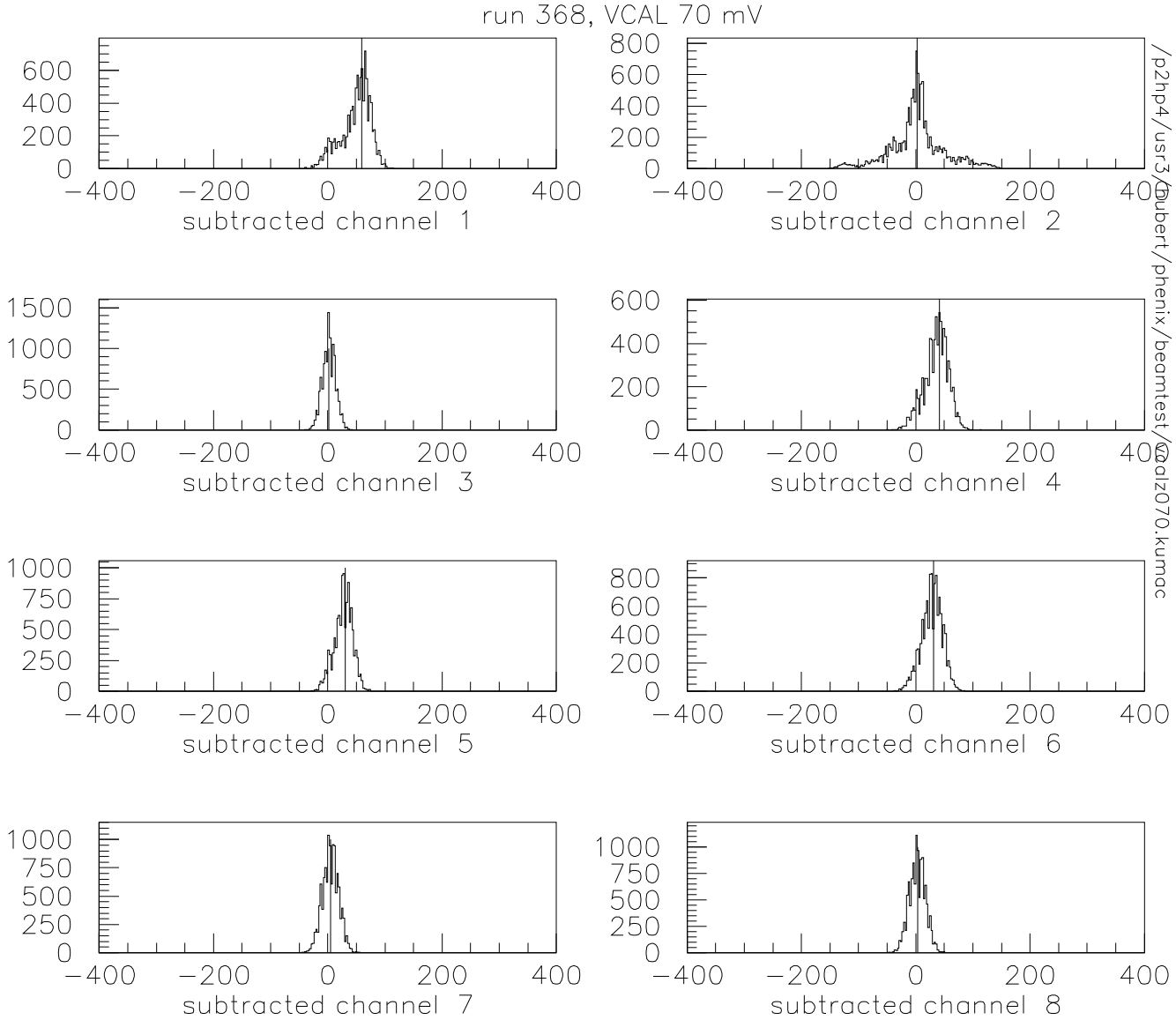

96/12/20 10.34
run 368, VCAL 70 mV
subtracted channel 1
subtracted channel 2
subtracted channel 3
subtracted channel 4
subtracted channel 5
subtracted channel 6
subtracted channel 7
subtracted channel 8
/p2hp4/usr3/dubert/phenix/beamtest/cal070.kumac

Figure 1 (1–8)

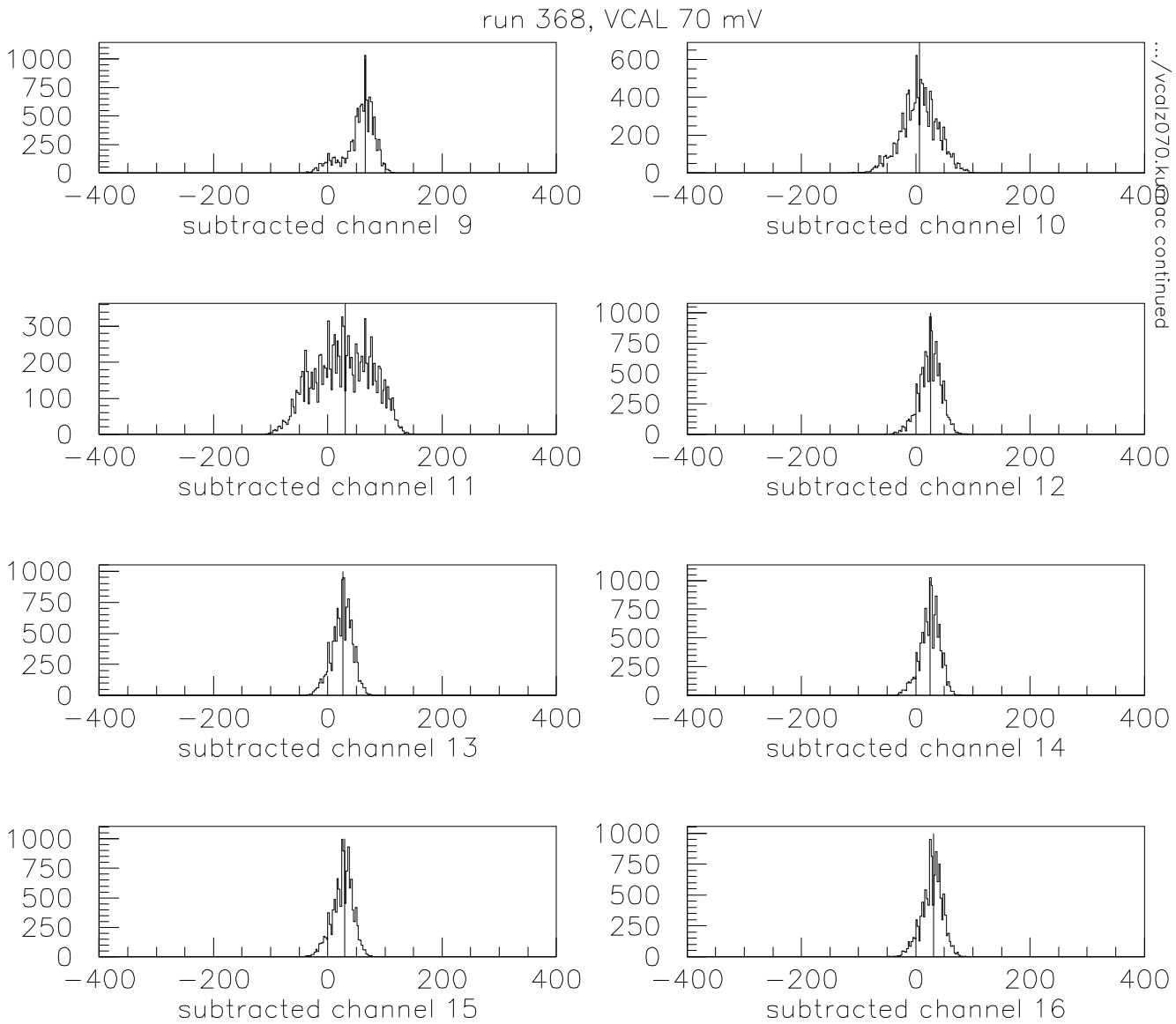

run 368, VCAL 70 mV
subtracted channel 9
subtracted channel 10
subtracted channel 11
subtracted channel 12
subtracted channel 13
subtracted channel 14
subtracted channel 15
subtracted channel 16
.../vcal2070.kumac continued

Figure 1 (9–16)

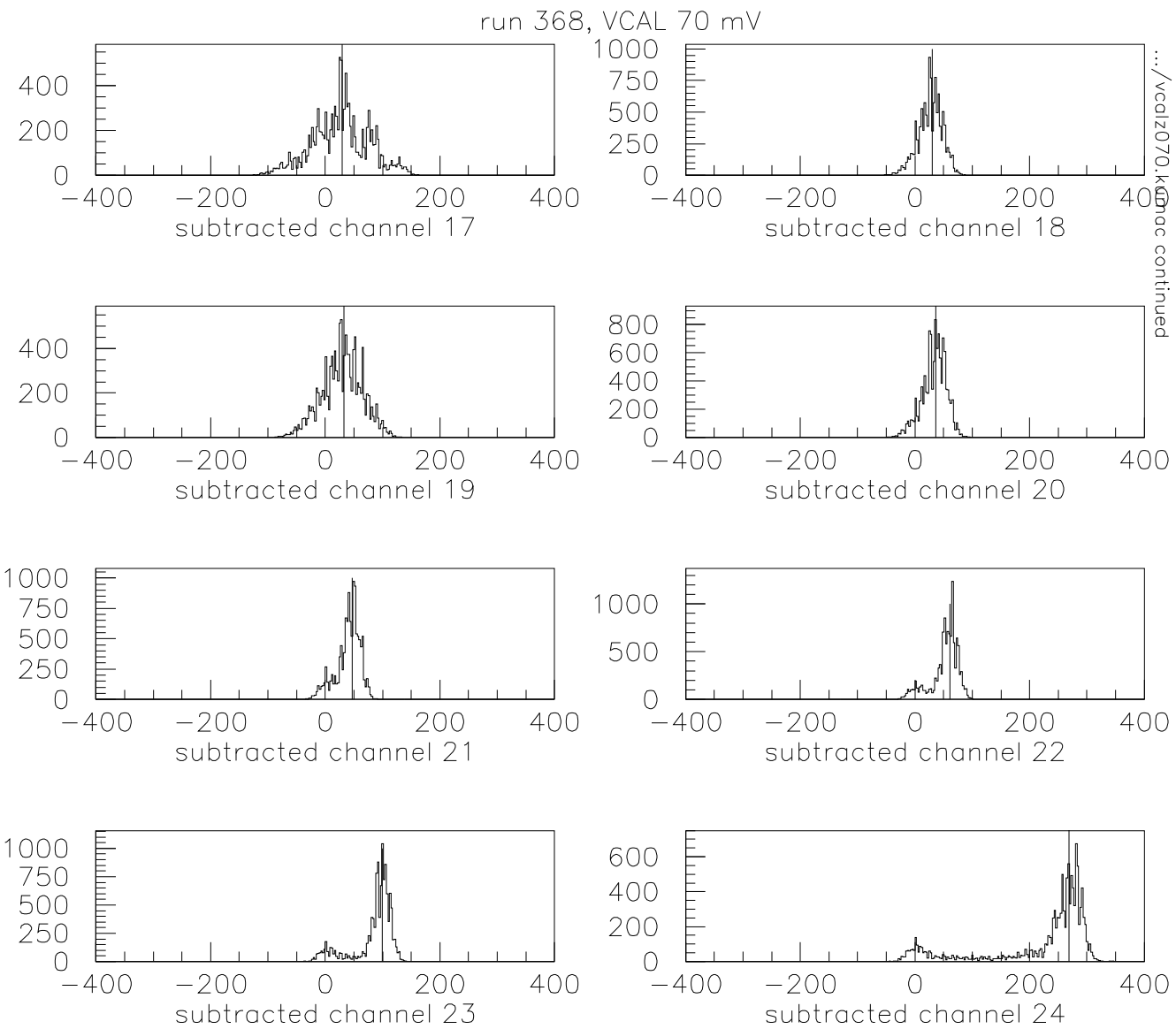


Figure 1 (17–24)

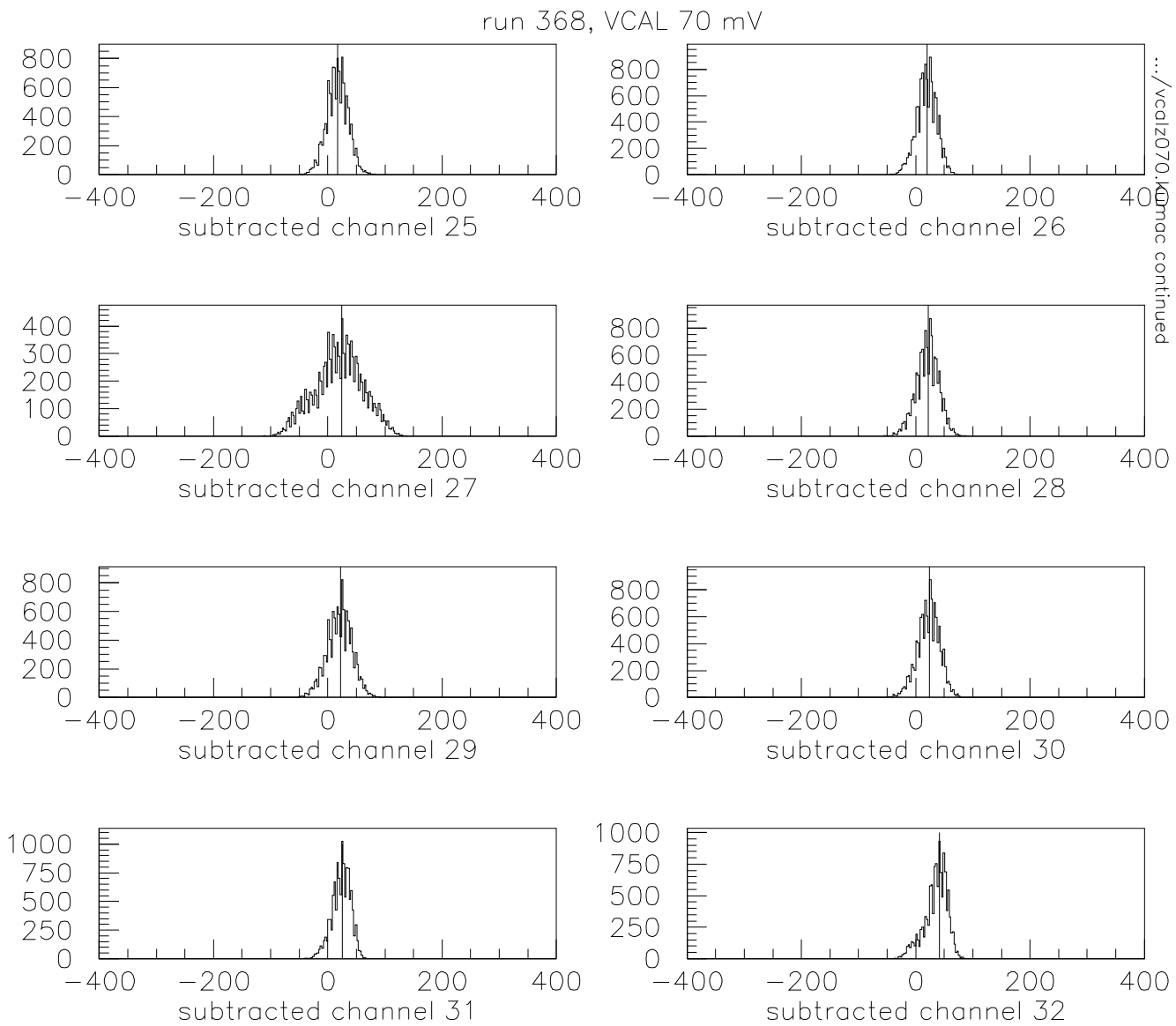


Figure 1 (25–32)

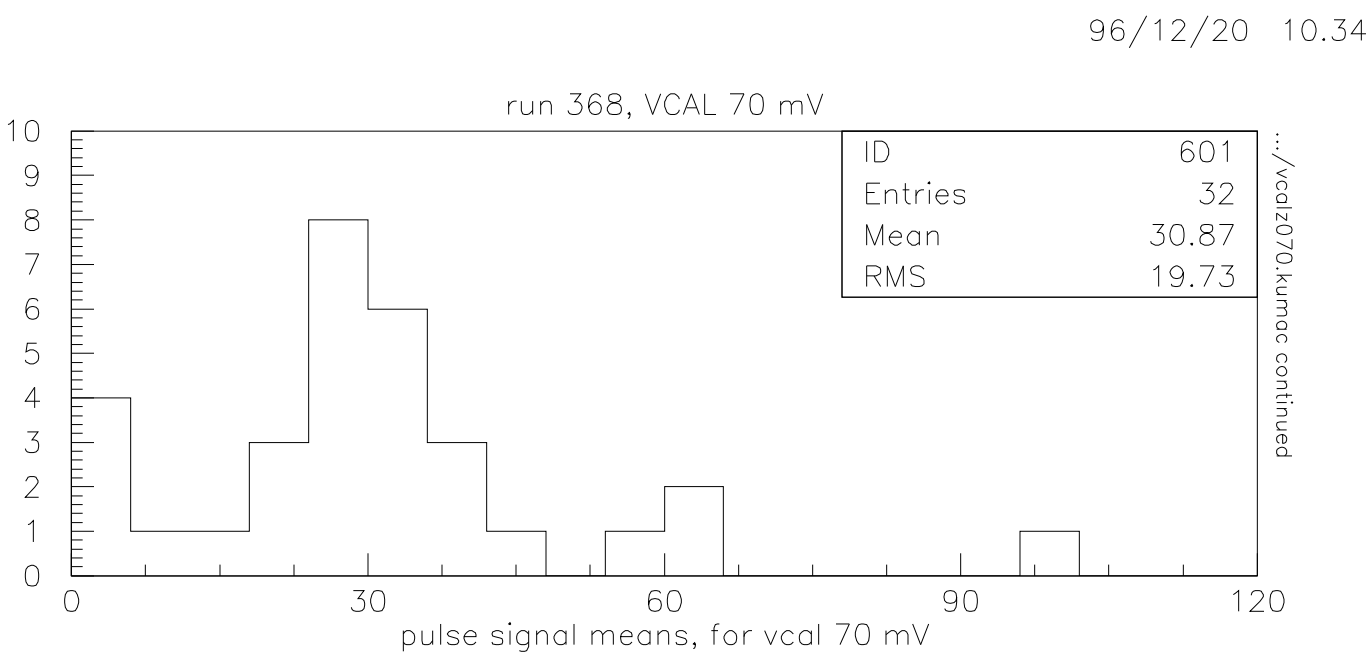
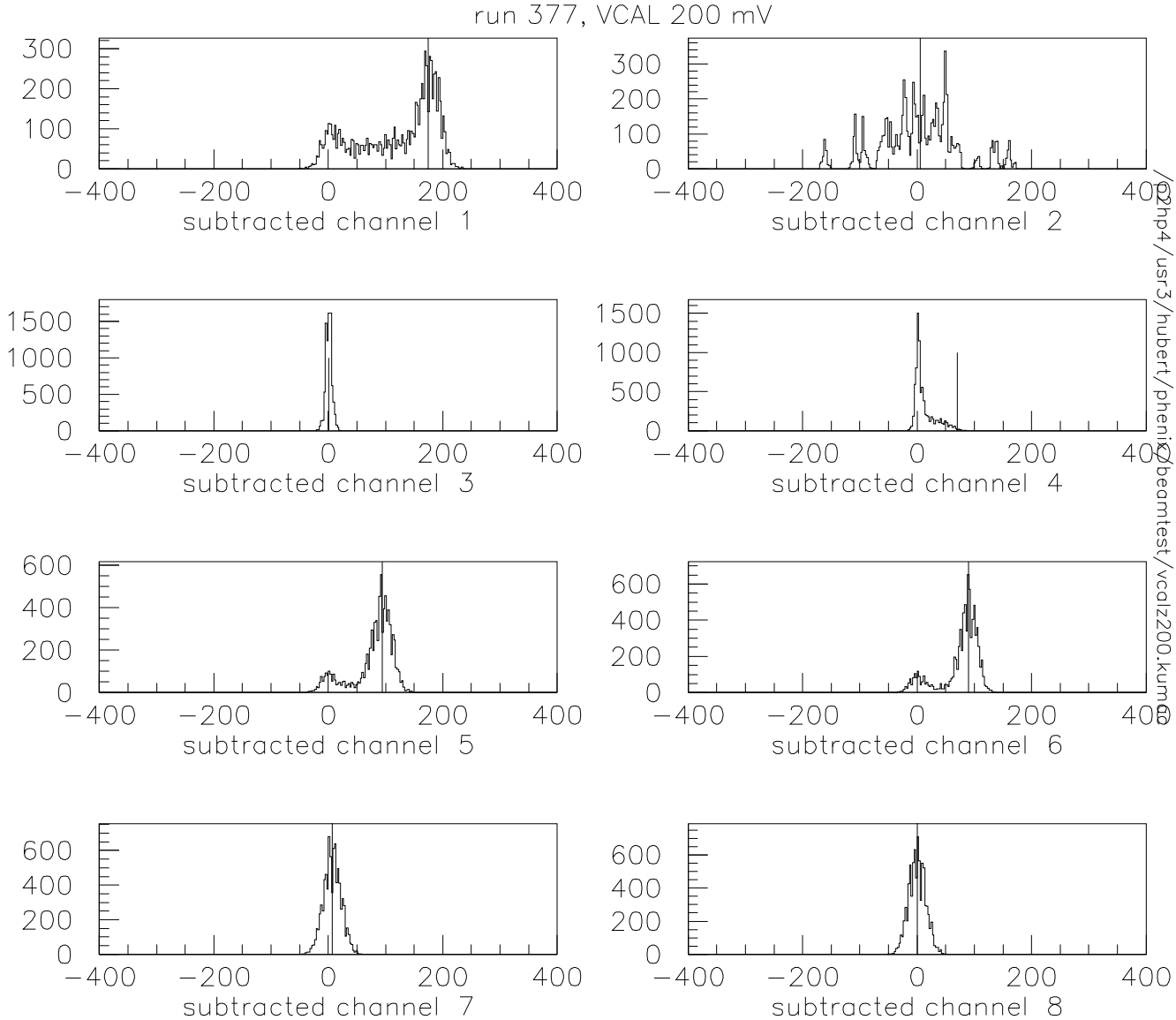
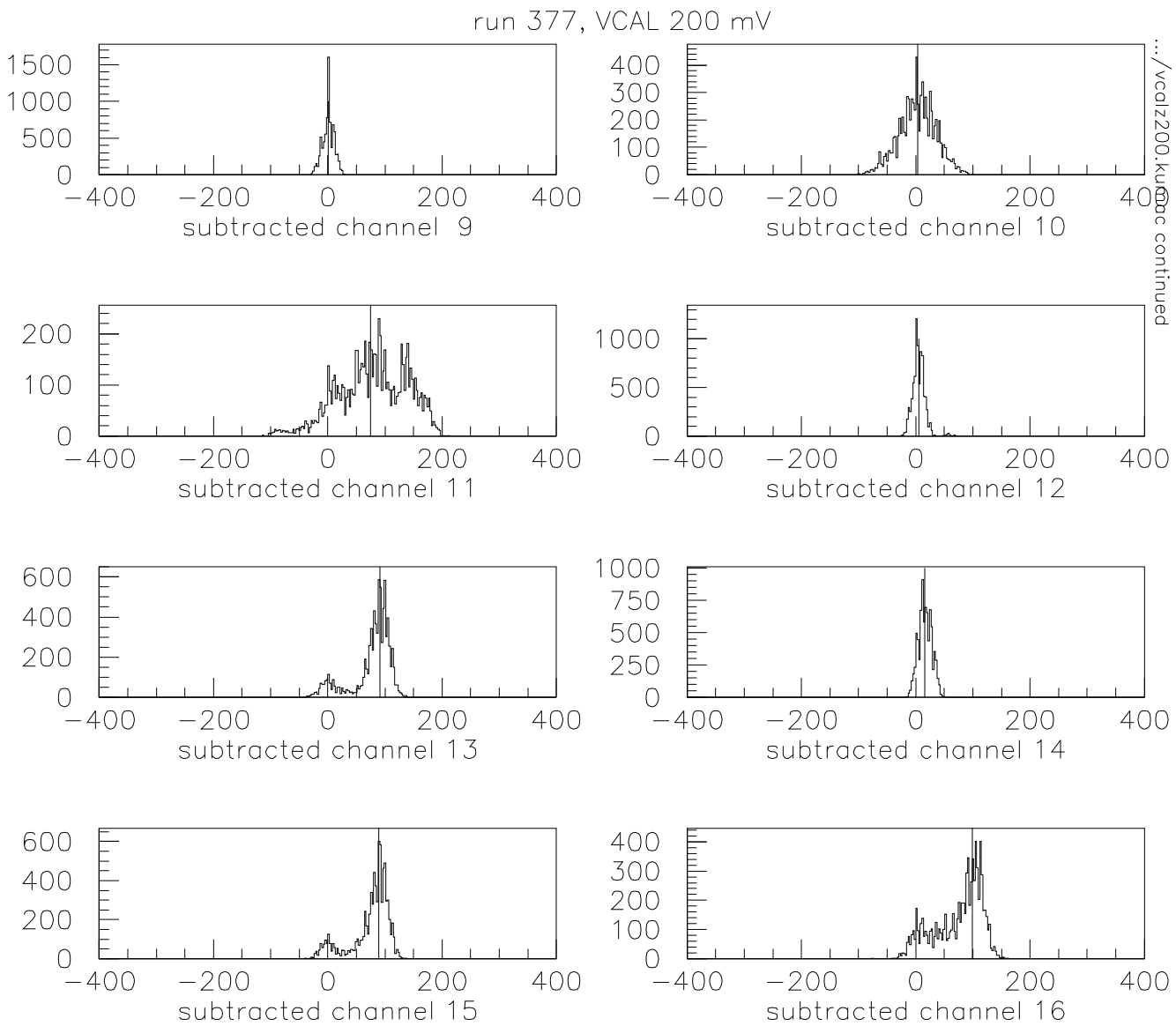

96/12/20 10.34
run 368, VCAL 70 mV
ID 601
Entries 32
Mean 30.87
RMS 19.73
.../vcalz070.kumac continued
0
1
2
3
4
5
6
7
8
9
10
0
30
60
90
120
pulse signal means, for vcal 70 mV

Figure 2

96/12/20 10.34


run 377, VCAL 200 mV
subtracted channel 1
subtracted channel 2
subtracted channel 3
subtracted channel 4
subtracted channel 5
subtracted channel 6
subtracted channel 7
subtracted channel 8
/g2hp4/usr3/hubert/phenix/beamtest/vcal200.kumac


run 377, VCAL 200 mV
subtracted channel 9
subtracted channel 10
subtracted channel 11
subtracted channel 12
subtracted channel 13
subtracted channel 14
subtracted channel 15
subtracted channel 16
.../vcalz200.kumac continued

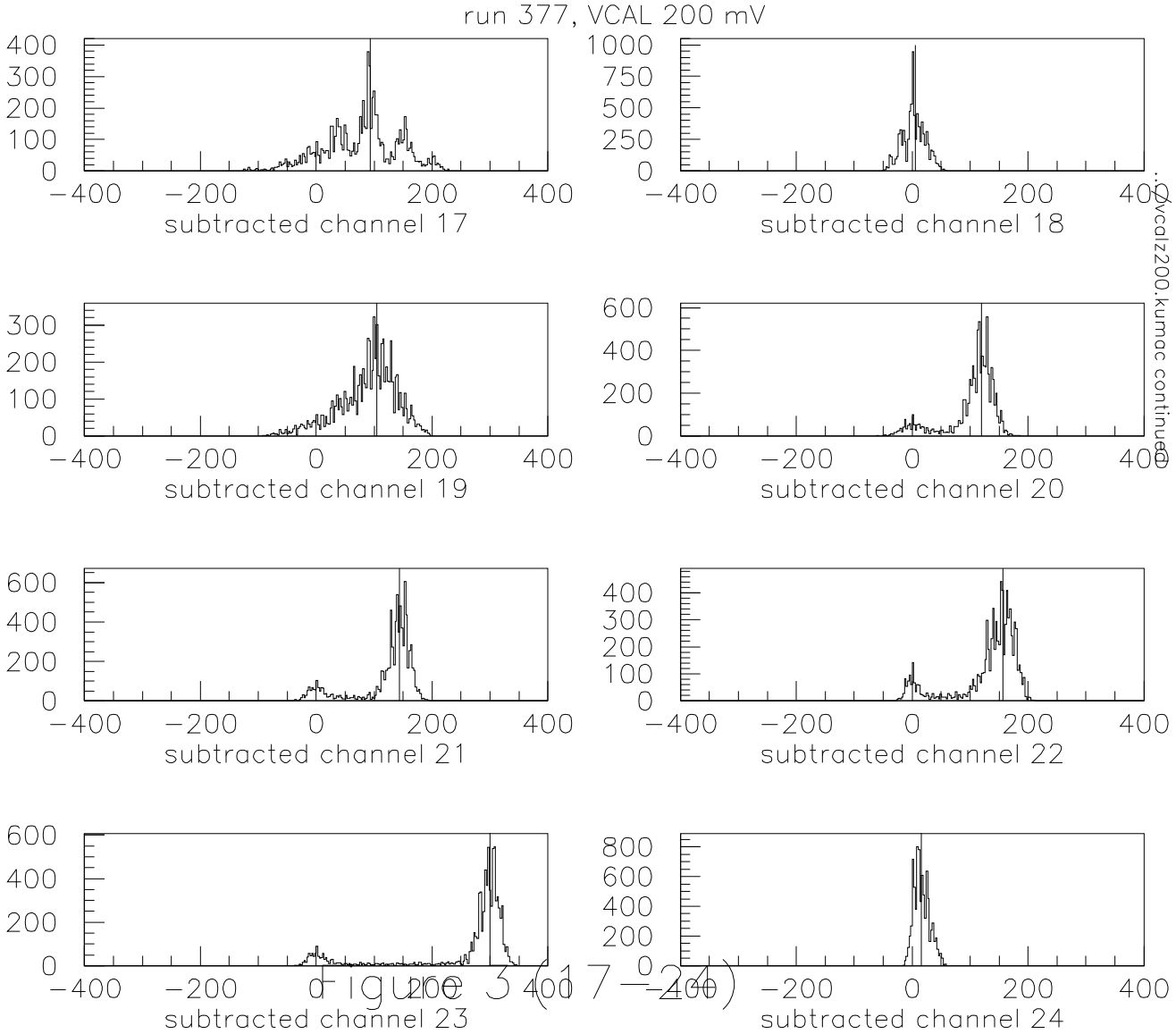
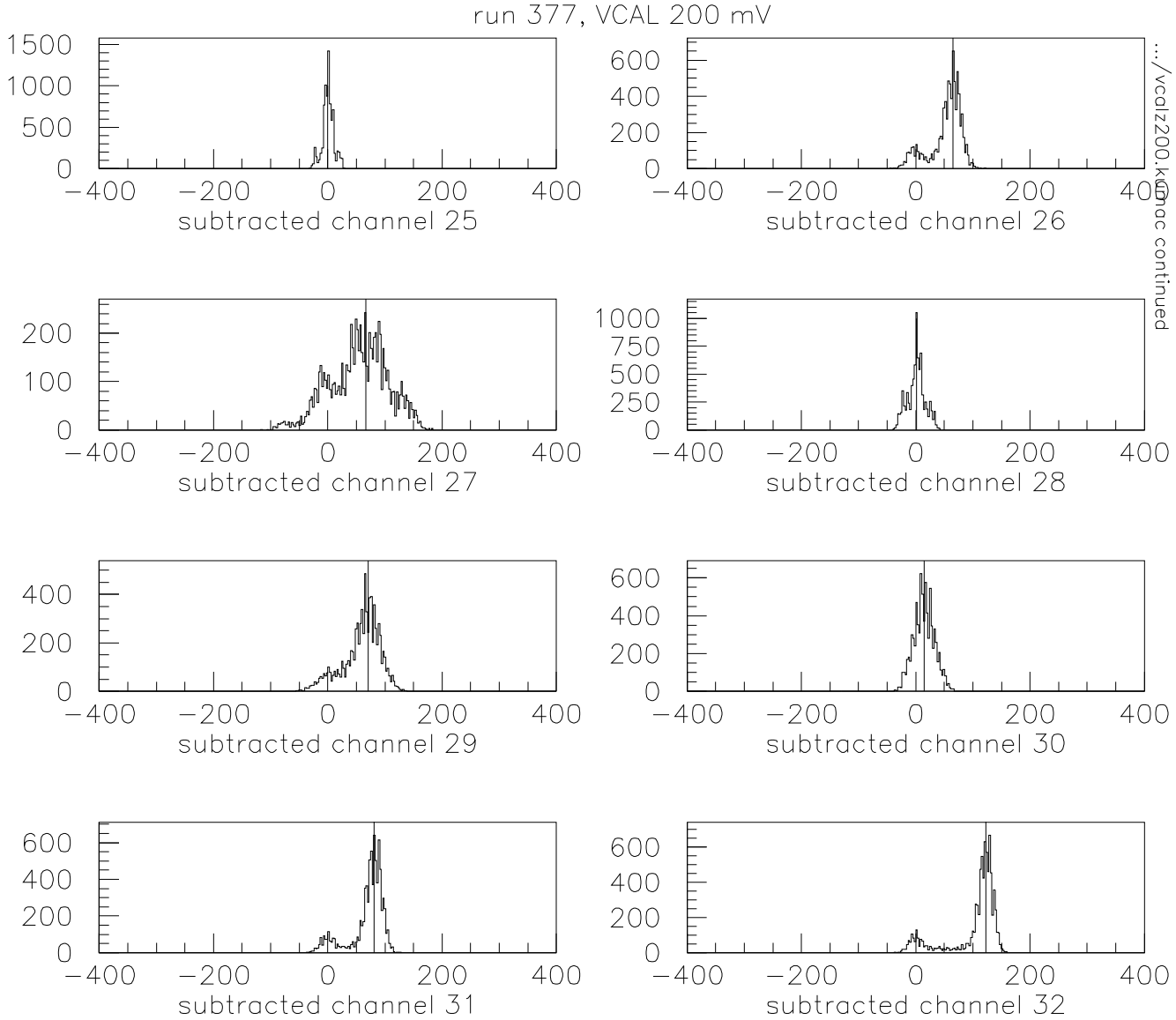


Figure 3 (17-24)

96/12/20 10.34


run 377, VCAL 200 mV
subtracted channel 25
subtracted channel 26
subtracted channel 27
subtracted channel 28
subtracted channel 29
subtracted channel 30
subtracted channel 31
subtracted channel 32
.../vcal200.kumac continued

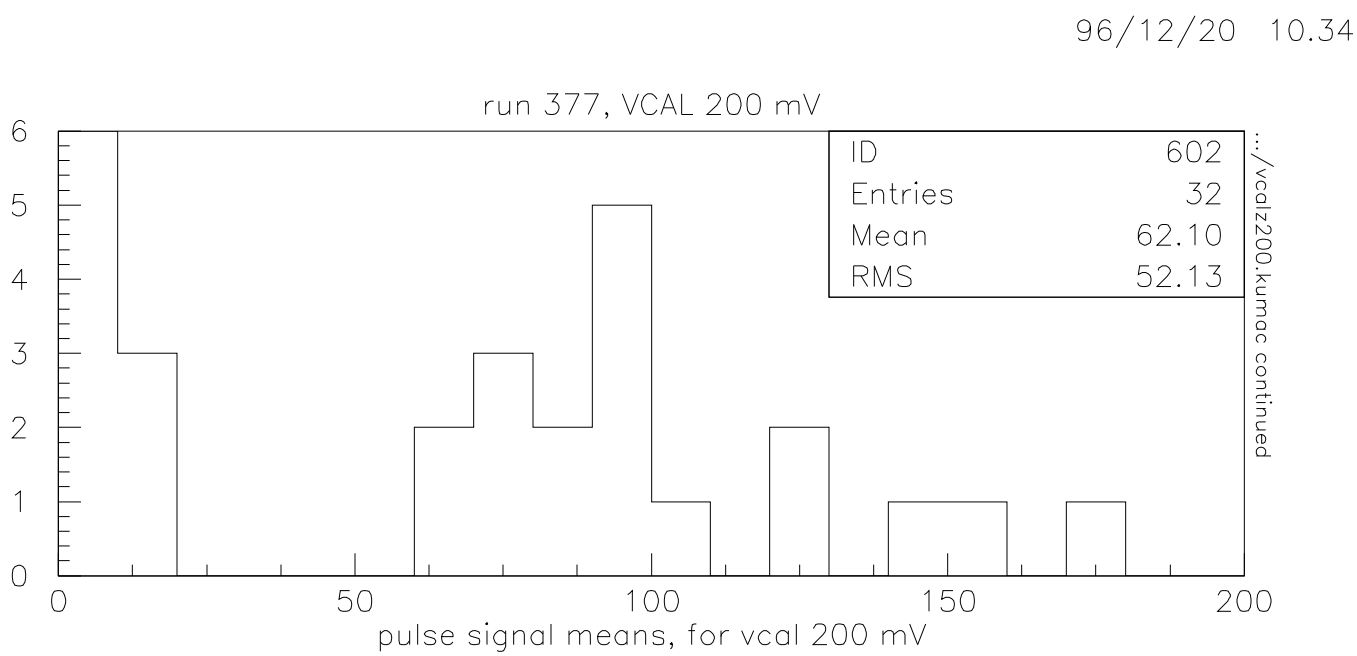
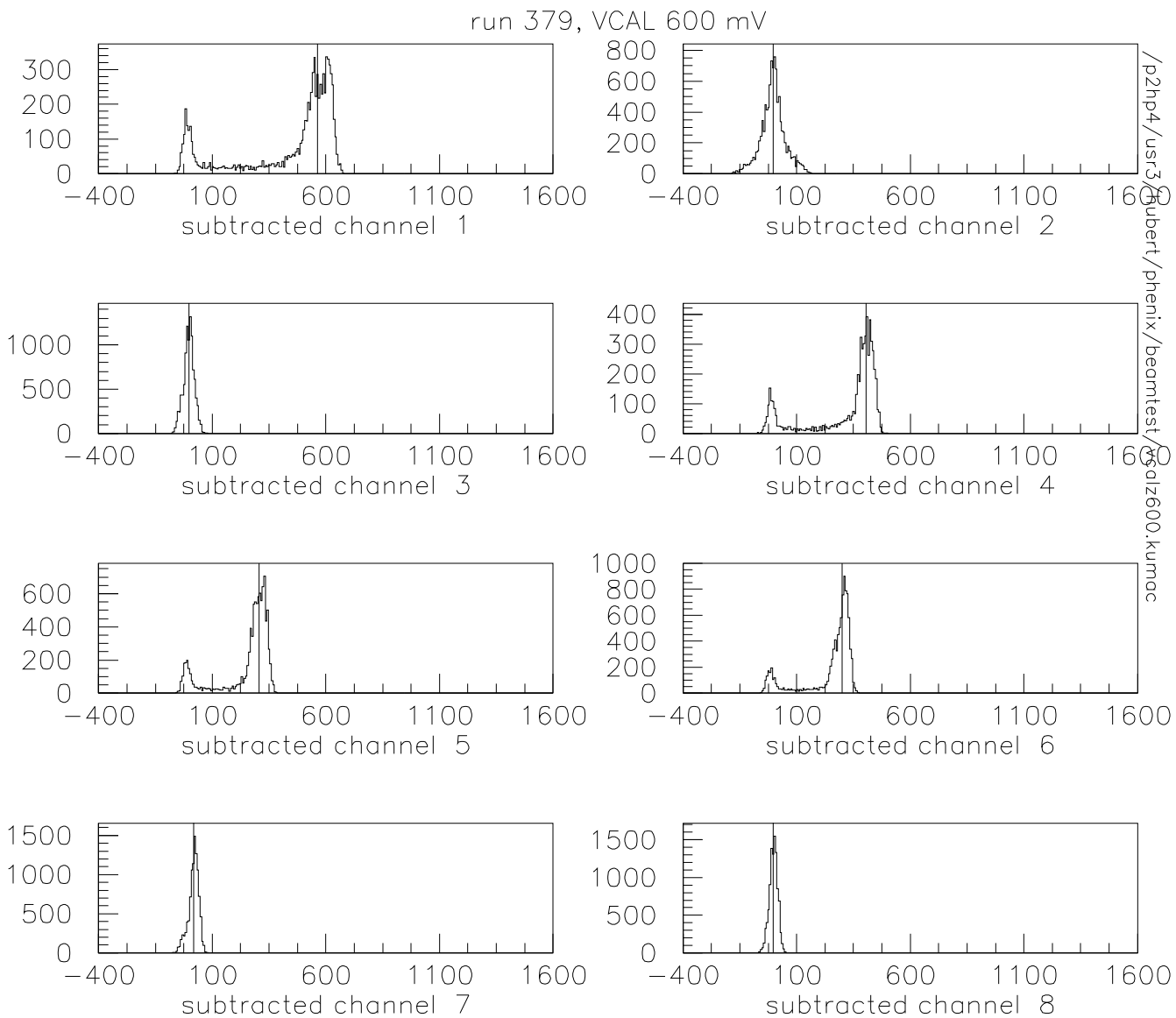
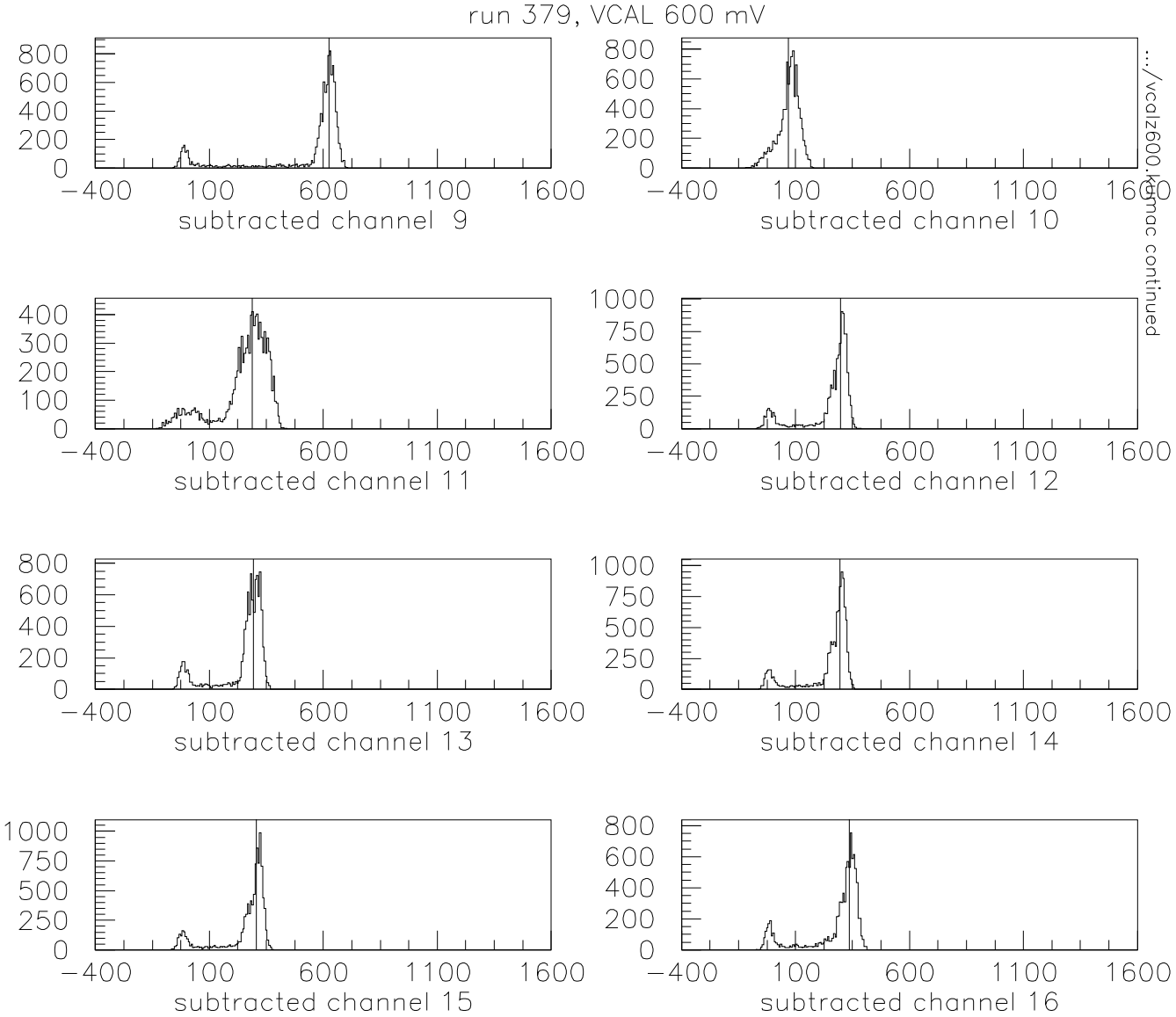
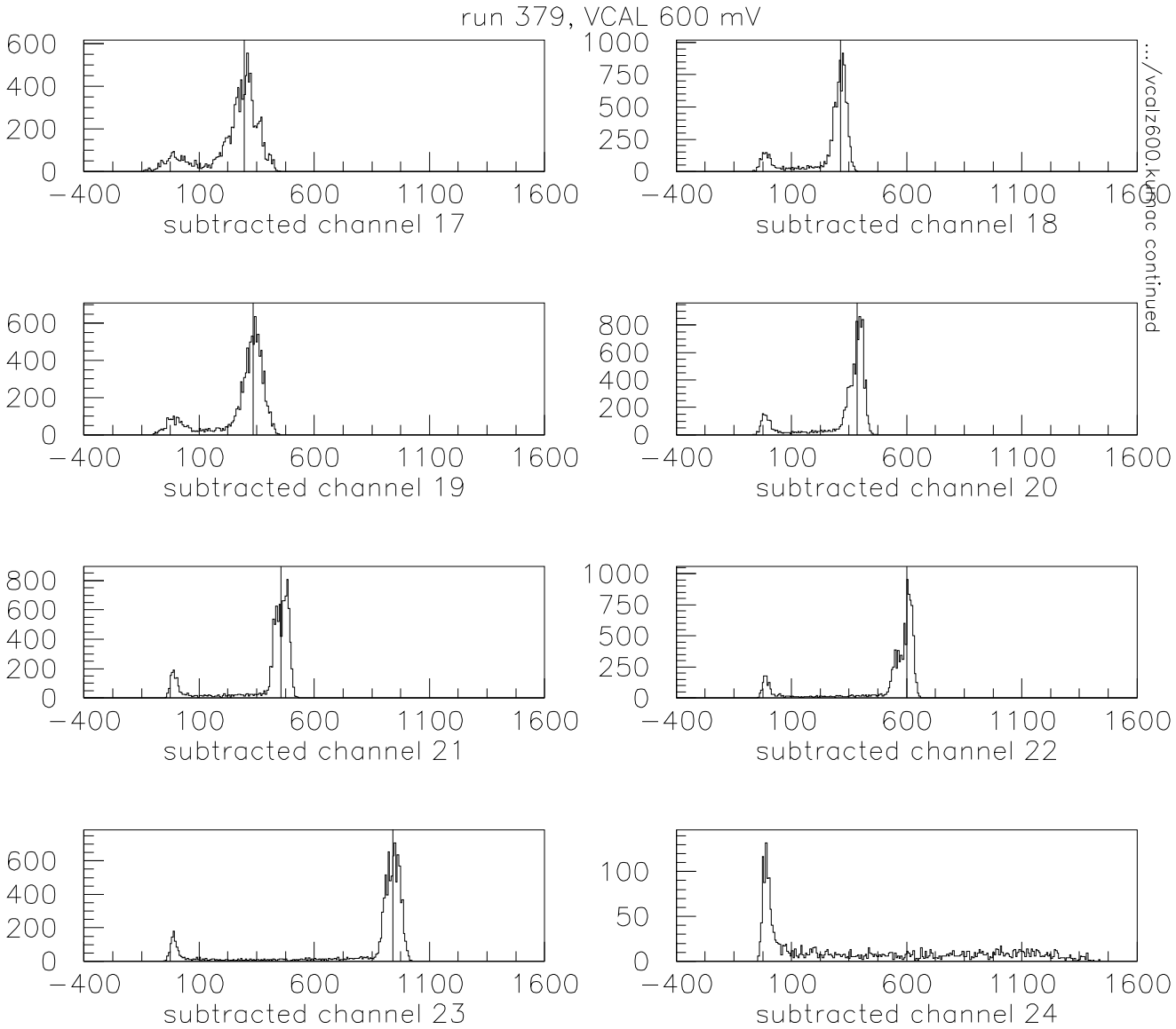

96/12/20 10.34
run 377, VCAL 200 mV
ID 602
Entries 32
Mean 62.10
RMS 52.13
.../vcal200.kumac continued
0
1
2
3
4
5
6
0
50
100
150
200
pulse signal means, for vcal 200 mV

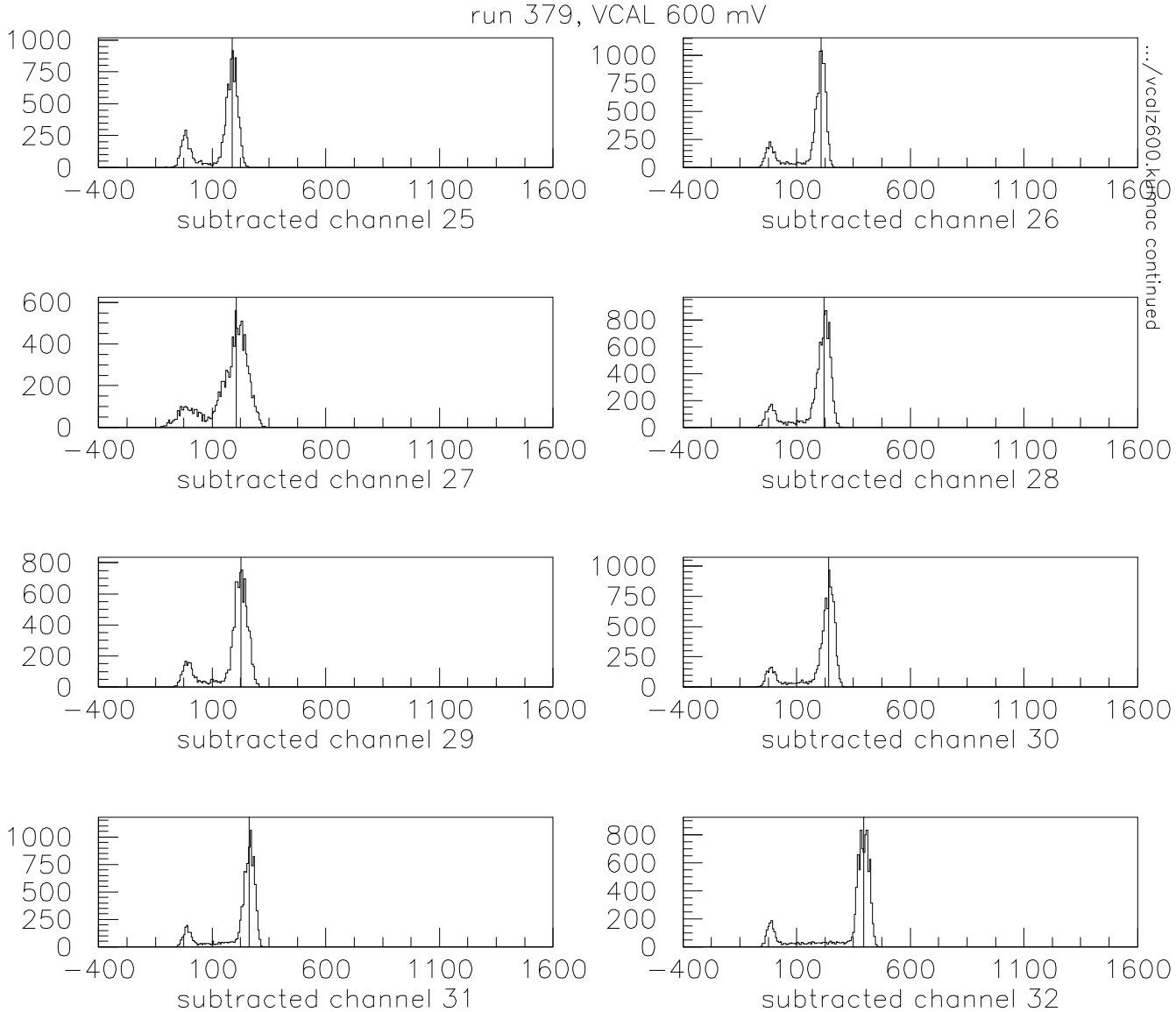
Figure 4

96/12/20 10.34


run 379, VCAL 600 mV
subtracted channel 1
subtracted channel 2
subtracted channel 3
subtracted channel 4
subtracted channel 5
subtracted channel 6
subtracted channel 7
subtracted channel 8
/p2hp4/usr3/hubert/phenix/beamtest/vsalz600.kumac


run 379, VCAL 600 mV
subtracted channel 9
subtracted channel 10
subtracted channel 11
subtracted channel 12
subtracted channel 13
subtracted channel 14
subtracted channel 15
subtracted channel 16
.../vcal2600.kumac continued


run 379, VCAL 600 mV
subtracted channel 17
subtracted channel 18
subtracted channel 19
subtracted channel 20
subtracted channel 21
subtracted channel 22
subtracted channel 23
subtracted channel 24
.../vcalz600.kumac continued


run 379, VCAL 600 mV
subtracted channel 25
subtracted channel 26
subtracted channel 27
subtracted channel 28
subtracted channel 29
subtracted channel 30
subtracted channel 31
subtracted channel 32
.../vcal600.kumac continued

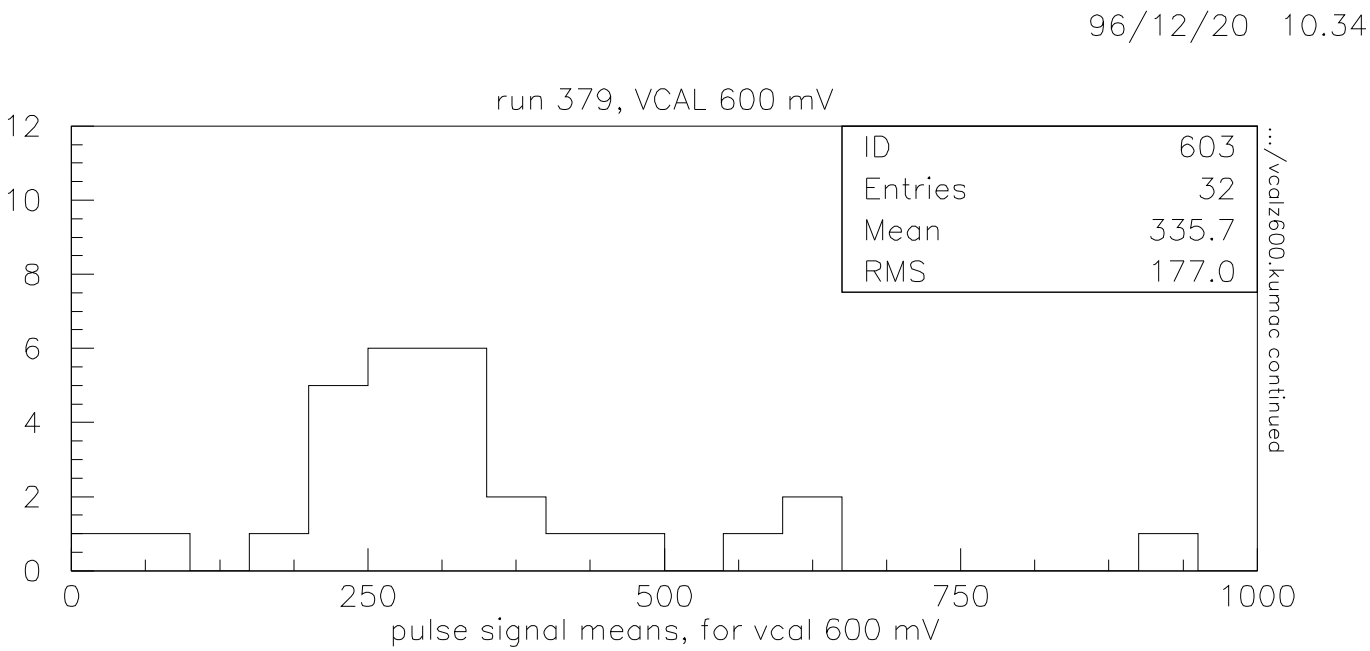

96/12/20 10.34
run 379, VCAL 600 mV
ID 603
Entries 32
Mean 335.7
RMS 177.0
.../vcalz600.kumac continued
12
10
8
6
4
2
0
0
250
500
750
1000
pulse signal means, for vcal 600 mV

Figure 6

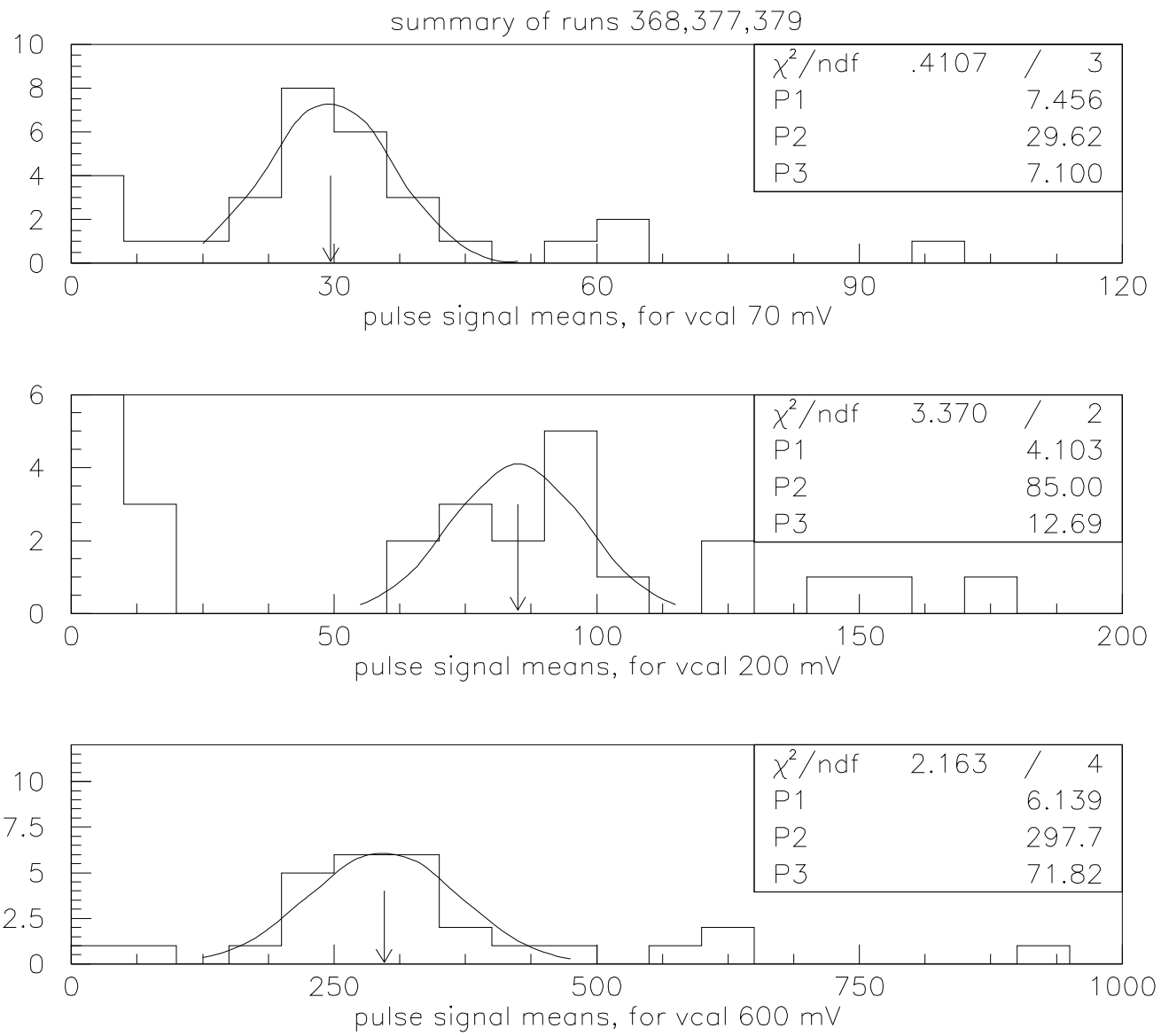

summary of runs 368,377,379
χ²/ndf .4107 / 3
P1 7.456
P2 29.62
P3 7.100
pulse signal means, for vcal 70 mV
χ²/ndf 3.370 / 2
P1 4.103
P2 85.00
P3 12.69
pulse signal means, for vcal 200 mV
χ²/ndf 2.163 / 4
P1 6.139
P2 297.7
P3 71.82
pulse signal means, for vcal 600 mV

Figure 7

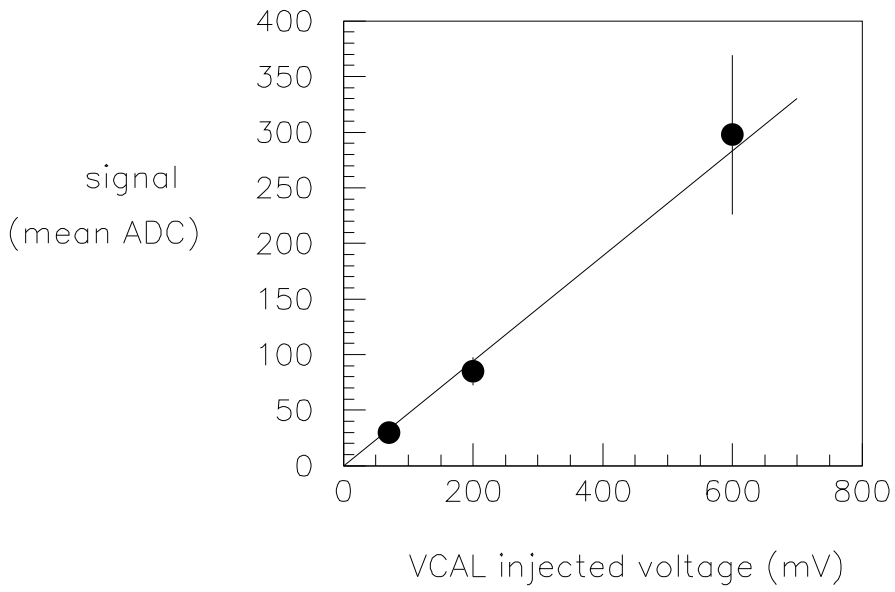

signal
(mean ADC)
400
350
300
250
200
150
100
50
0
0
200
400
600
800
VCAL injected voltage (mV)

Figure 8

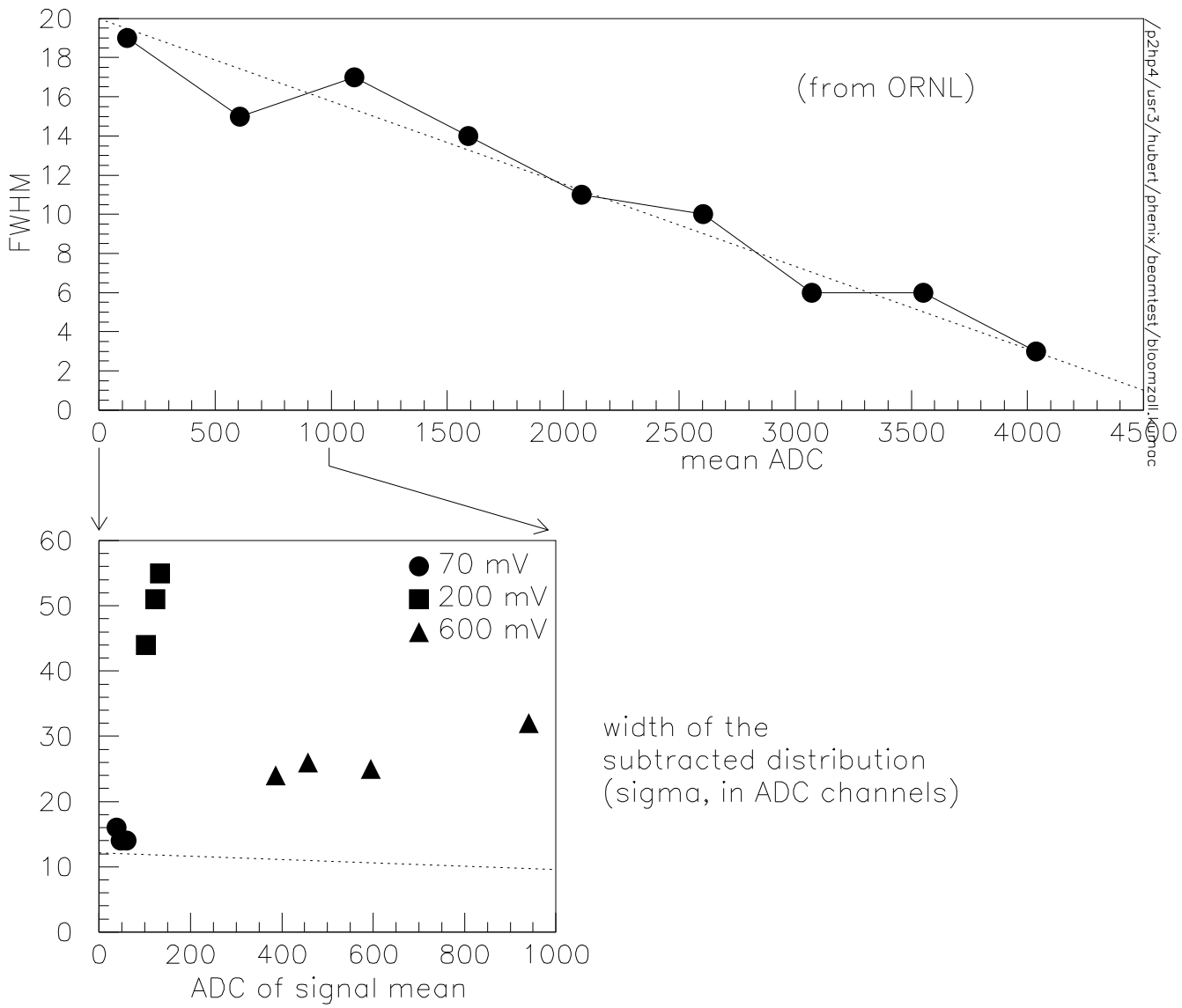

FWHM
mean ADC
(from ORNL)
/p2hp4/usr3/hubert/phenix/beamtest/bloomzoll.kumac
70 mV
200 mV
600 mV
width of the
subtracted distribution
(sigma, in ADC channels)
ADC of signal mean

Figure 9,10

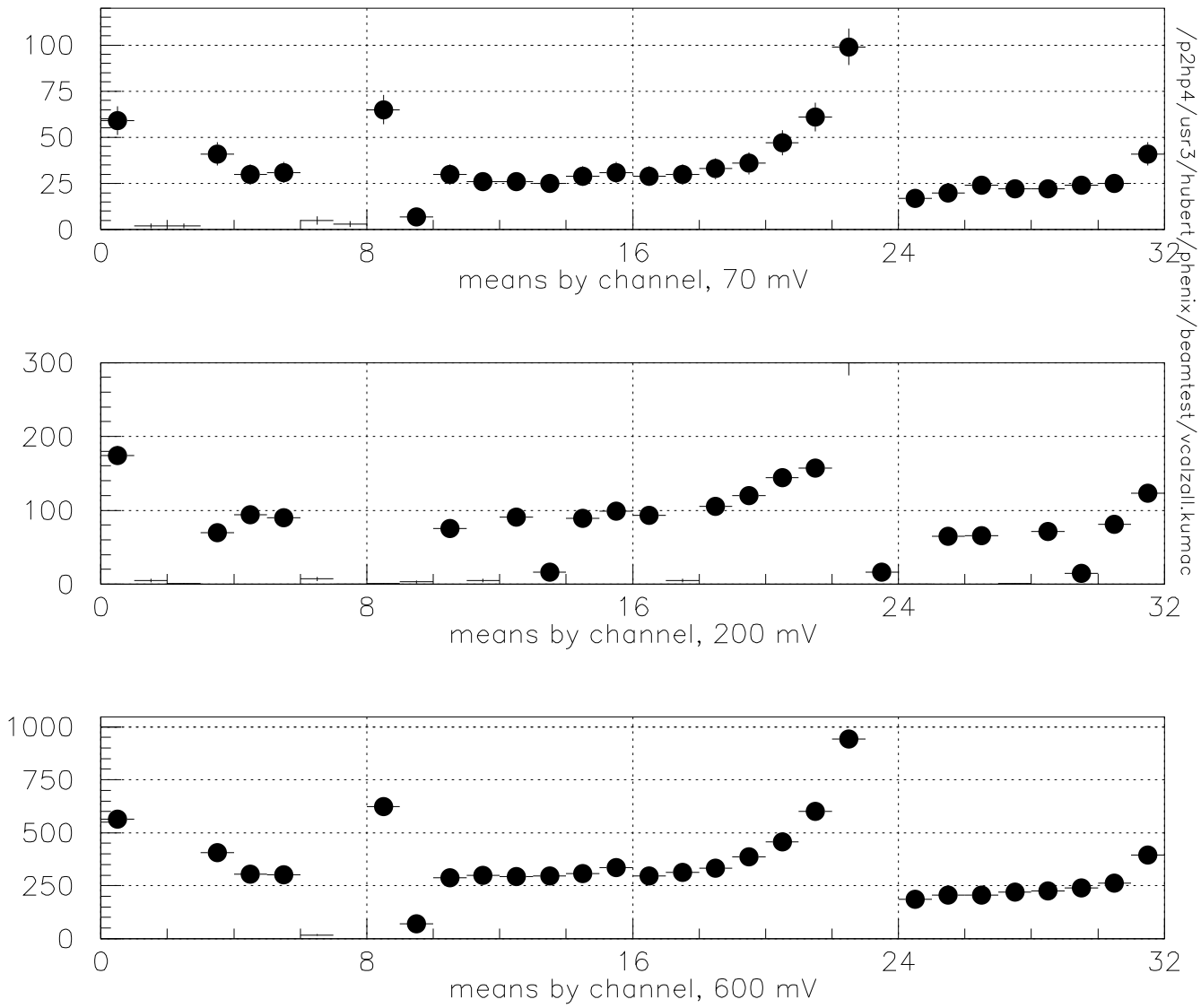

100
75
50
25
0
0
8
16
24
32
means by channel, 70 mV
300
200
100
0
0
8
16
24
32
means by channel, 200 mV
1000
750
500
250
0
0
8
16
24
32
means by channel, 600 mV
/p2hp4/usr3/hubert/phenix/beamtest/vcalzall.kumac

Figure 11