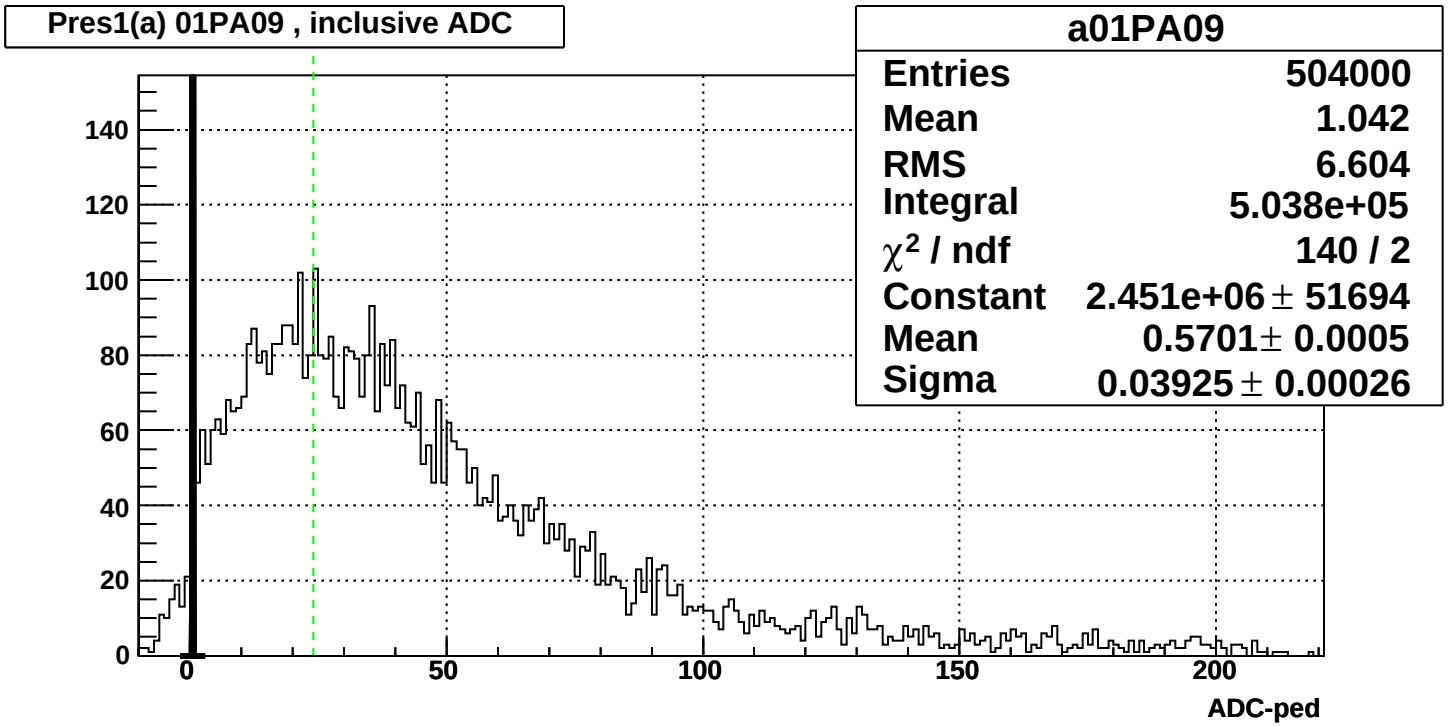
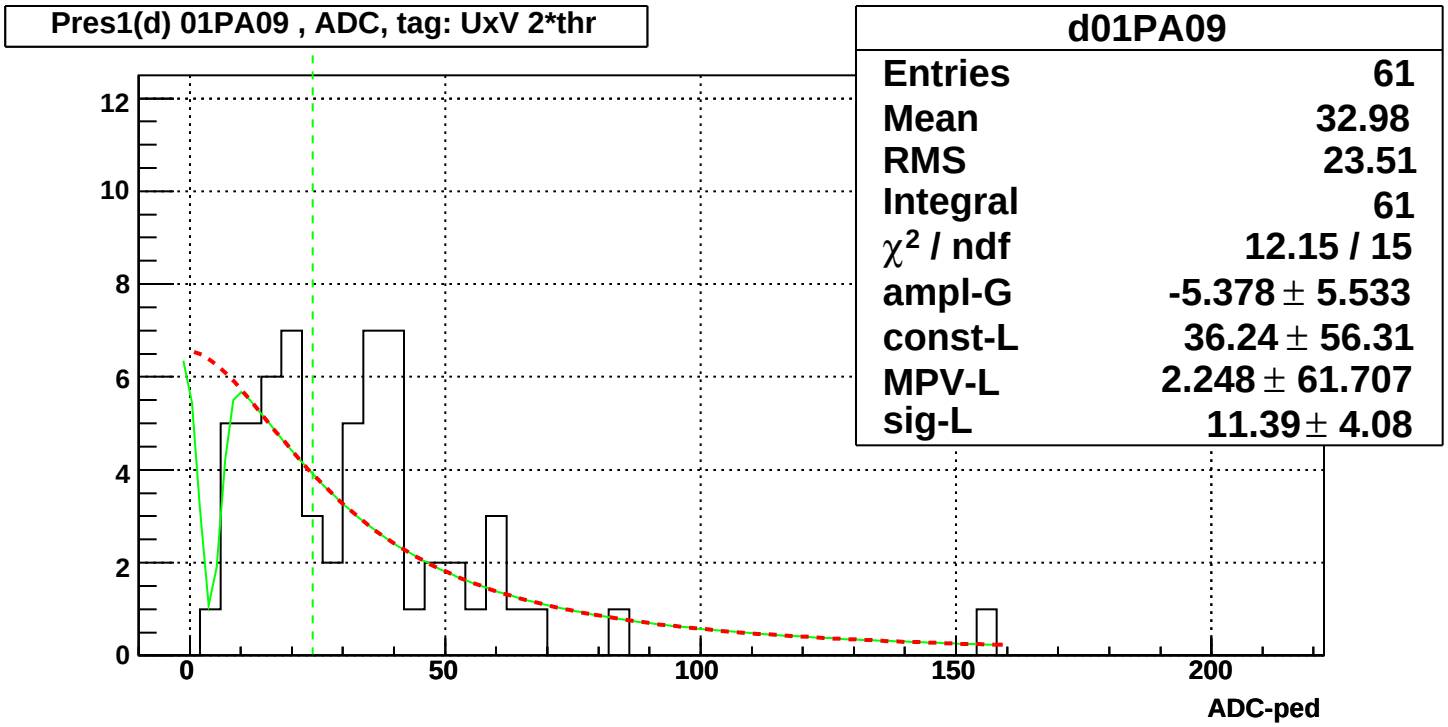
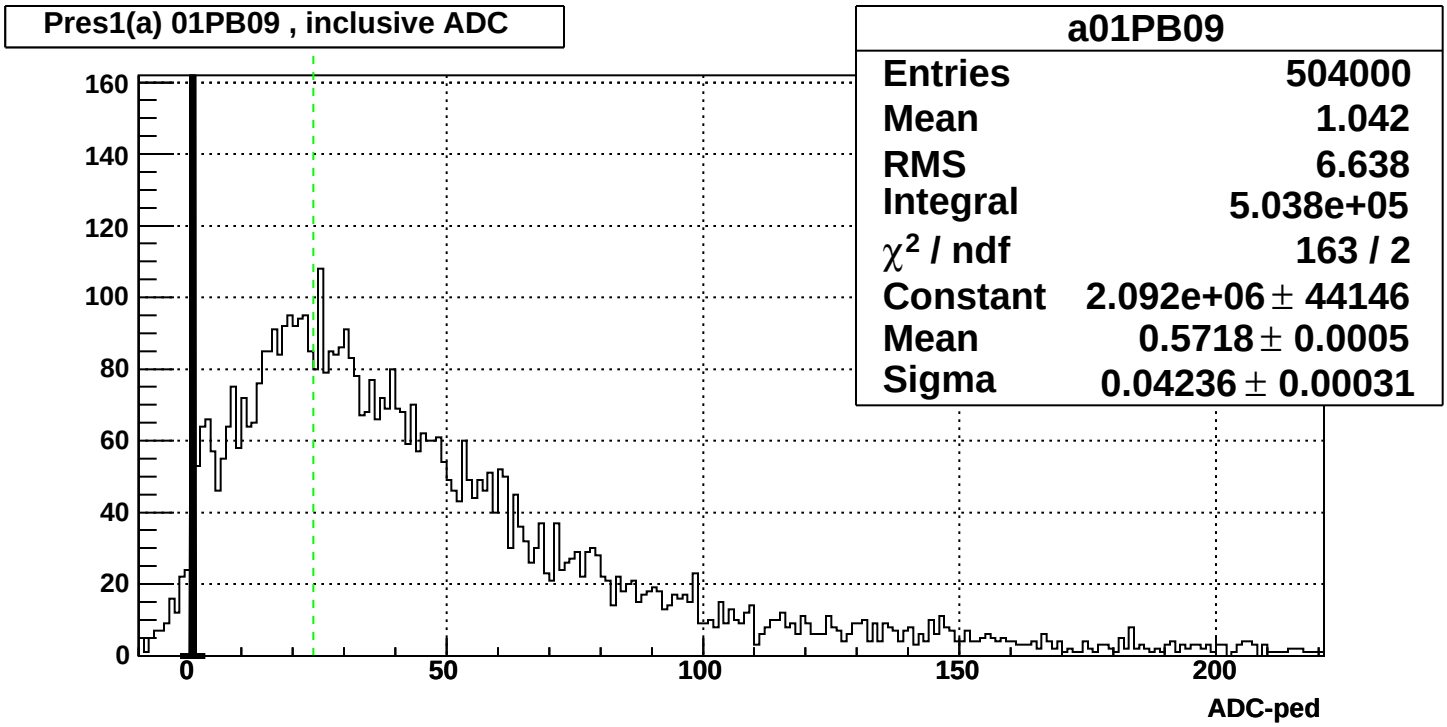
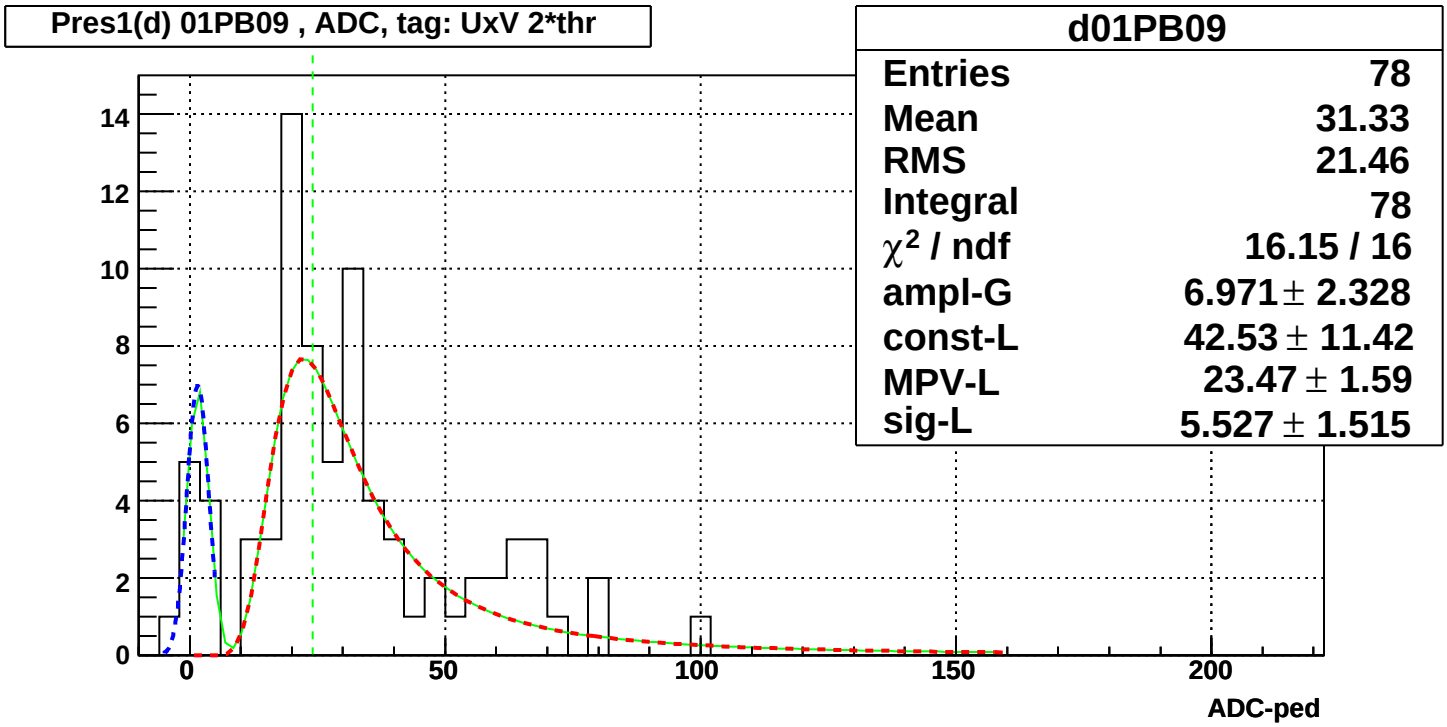
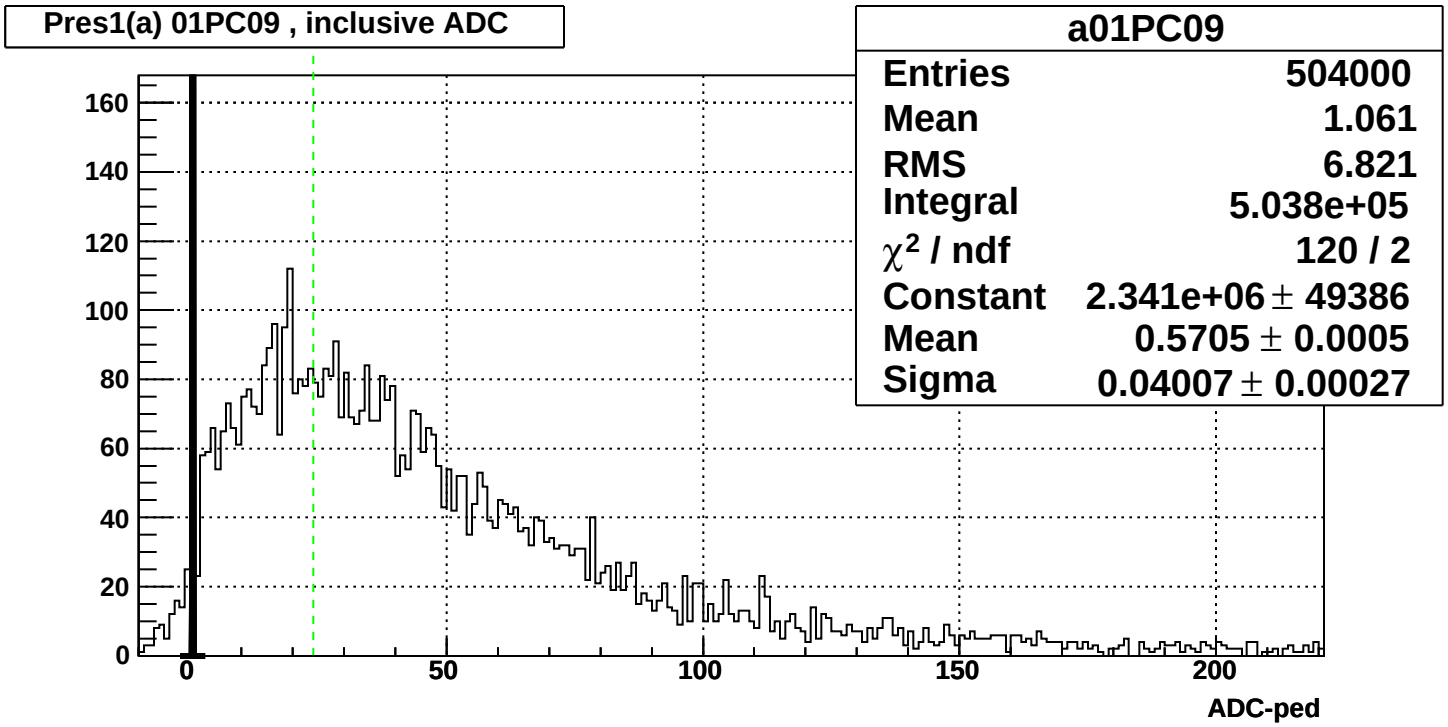
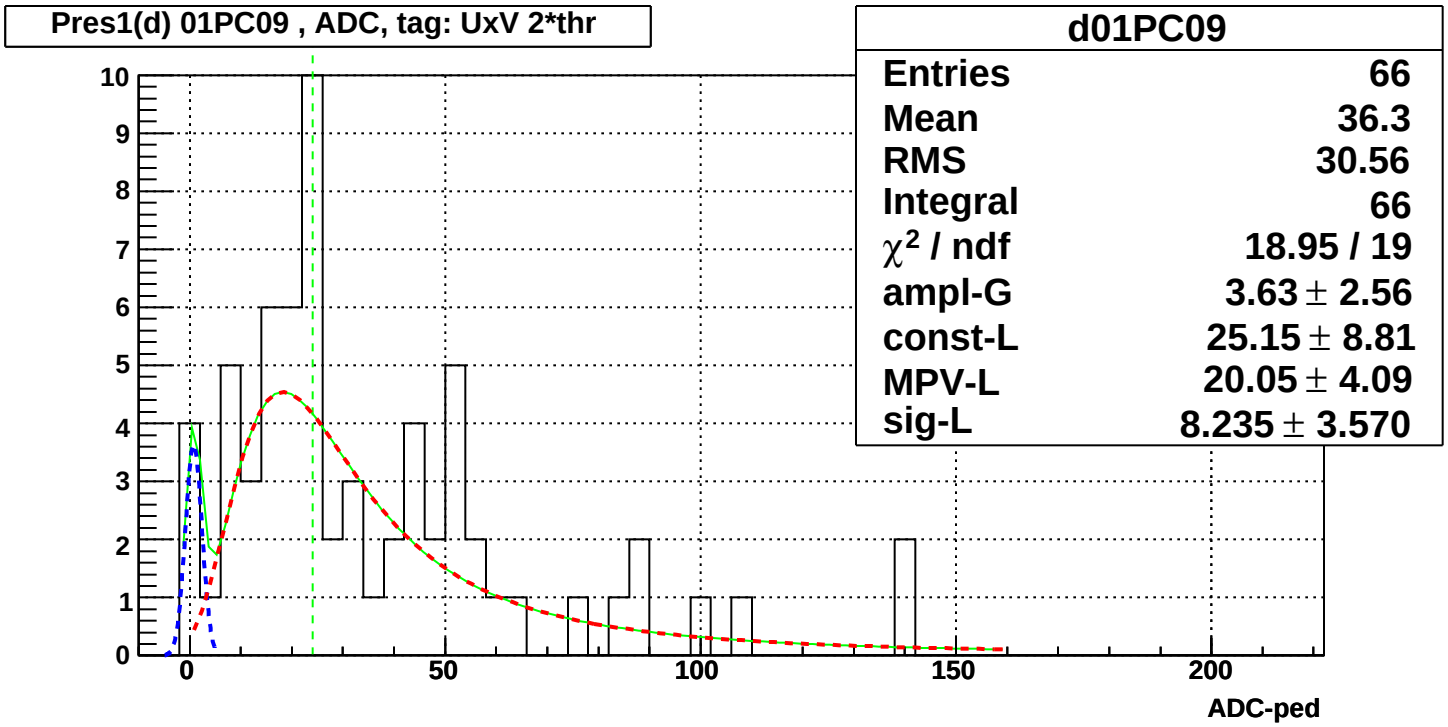

Pres1(a) 01PA09 , inclusive ADC
a01PA09
Entries 504000
Mean 1.042
RMS 6.604
Integral 5.038e+05
χ² / ndf 140 / 2
Constant 2.451e+06 ± 51694
Mean 0.5701 ± 0.0005
Sigma 0.03925 ± 0.00026
0
20
40
60
80
100
120
140
0
50
100
150
200
ADC-ped

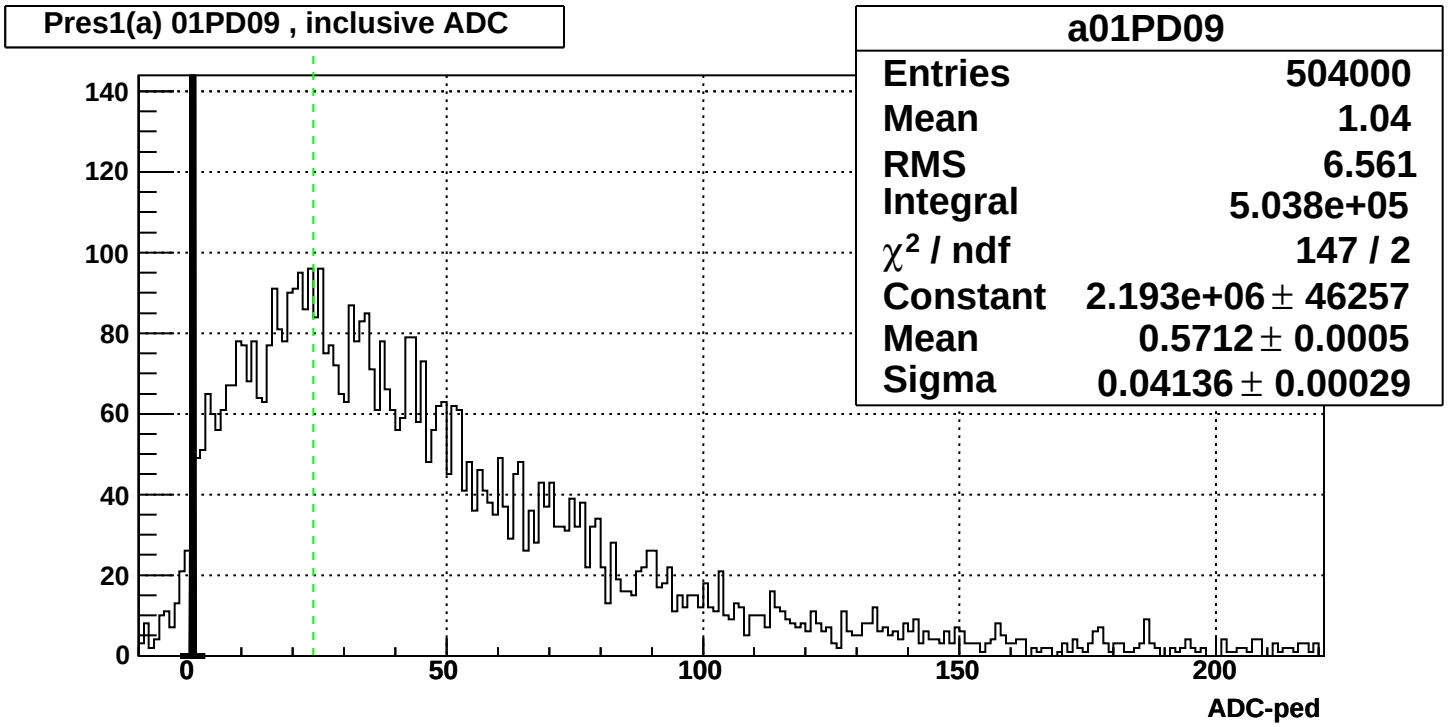

Pres1(d) 01PA09 , ADC, tag: UxV 2*thr
d01PA09
Entries 61
Mean 32.98
RMS 23.51
Integral 61
χ² / ndf 12.15 / 15
ampl-G -5.378 ± 5.533
const-L 36.24 ± 56.31
MPV-L 2.248 ± 61.707
sig-L 11.39 ± 4.08
0
2
4
6
8
10
12
0
50
100
150
200
ADC-ped

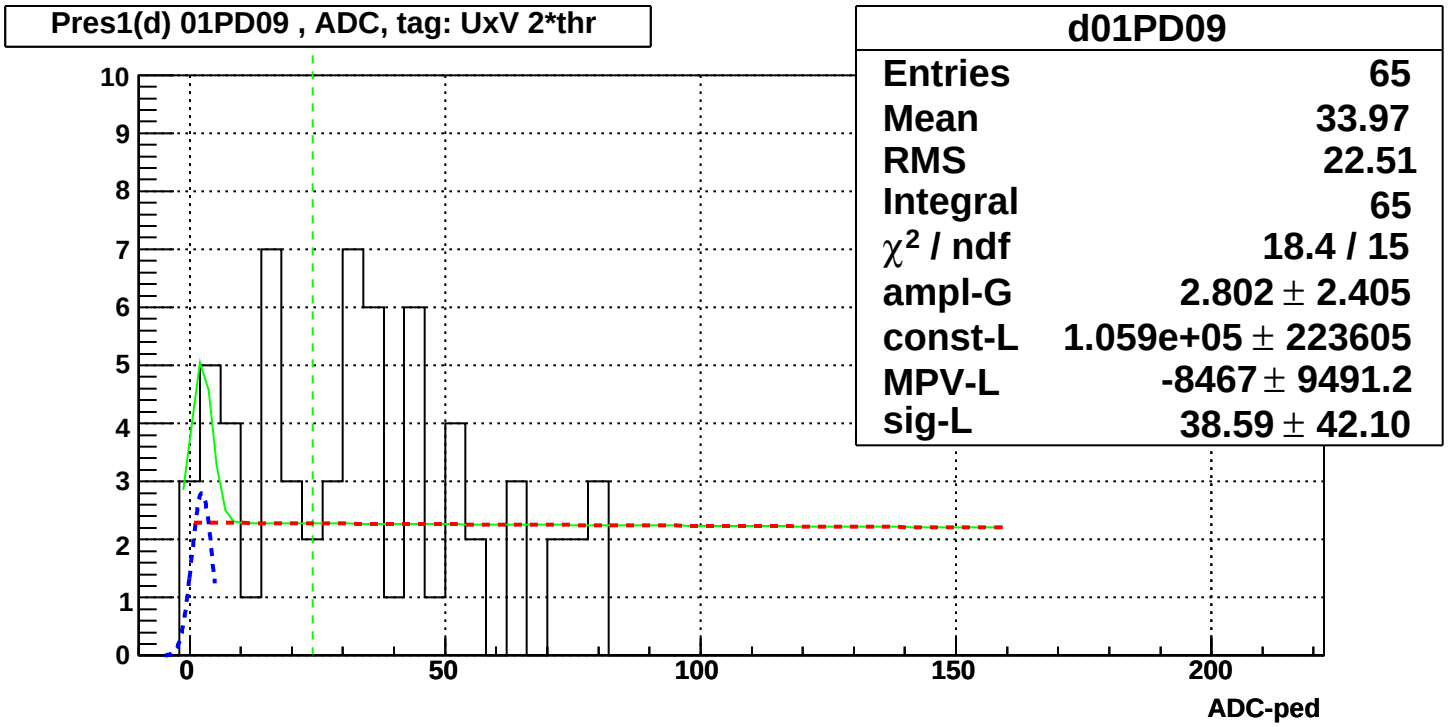

Pres1(a) 01PB09 , inclusive ADC
a01PB09
Entries 504000
Mean 1.042
RMS 6.638
Integral 5.038e+05
χ² / ndf 163 / 2
Constant 2.092e+06 ± 44146
Mean 0.5718 ± 0.0005
Sigma 0.04236 ± 0.00031
ADC-ped

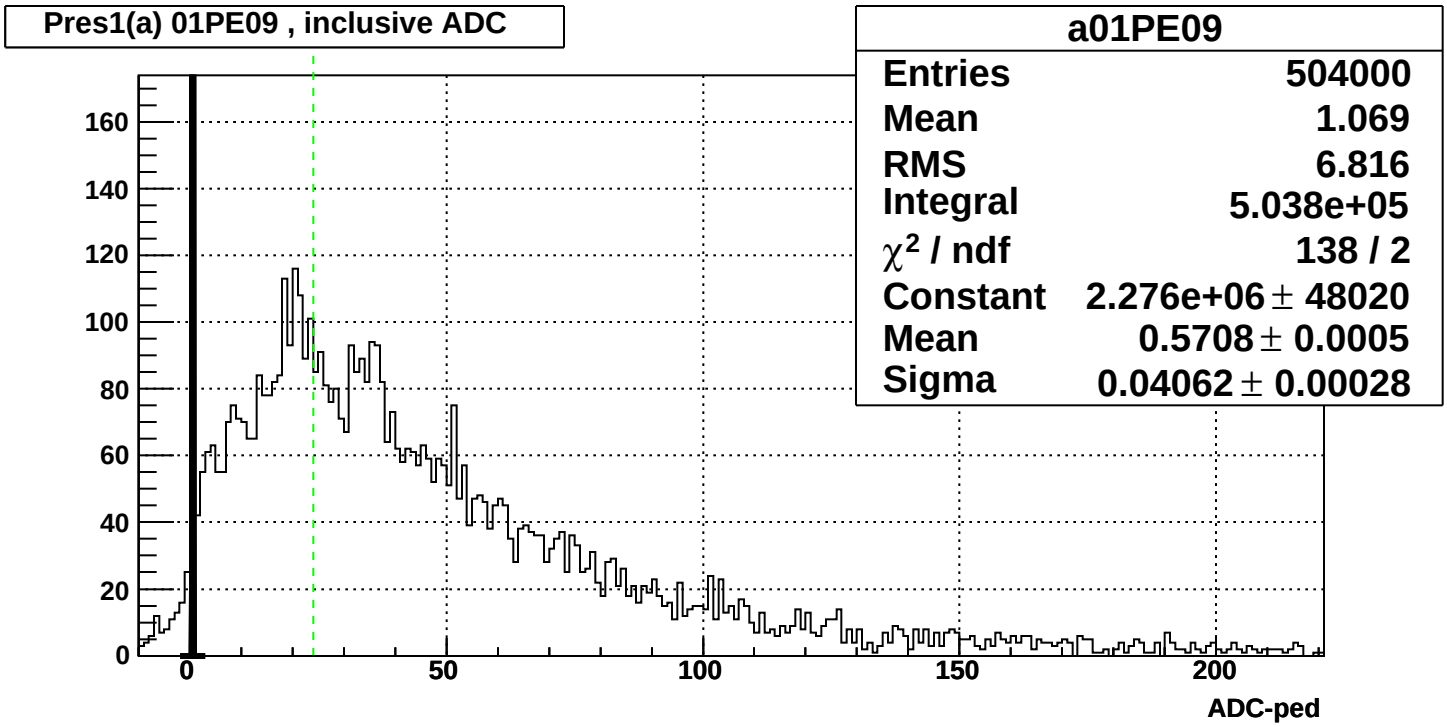

Pres1(d) 01PB09 , ADC, tag: UxV 2*thr
d01PB09
Entries 78
Mean 31.33
RMS 21.46
Integral 78
χ² / ndf 16.15 / 16
ampl-G 6.971 ± 2.328
const-L 42.53 ± 11.42
MPV-L 23.47 ± 1.59
sig-L 5.527 ± 1.515
ADC-ped

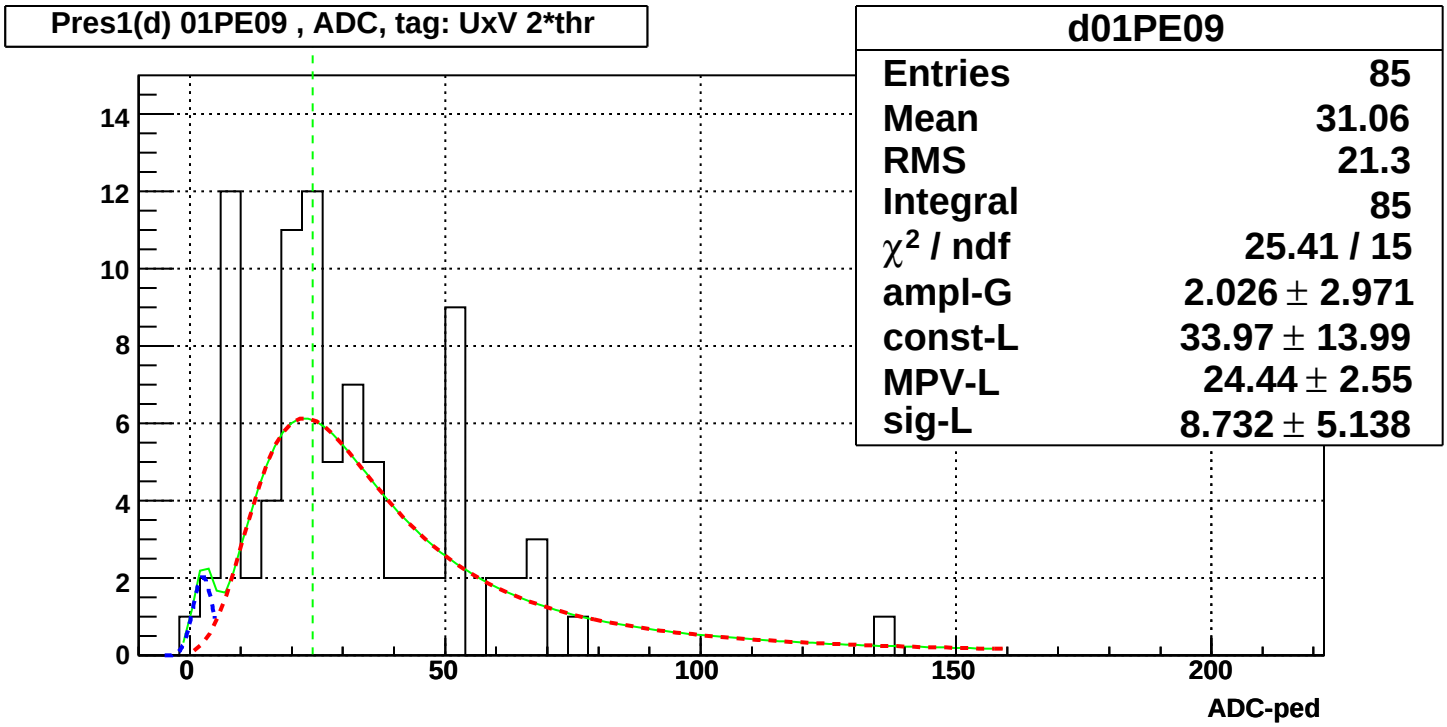

Pres1(a) 01PC09 , inclusive ADC
a01PC09
Entries 504000
Mean 1.061
RMS 6.821
Integral 5.038e+05
χ² / ndf 120 / 2
Constant 2.341e+06 ± 49386
Mean 0.5705 ± 0.0005
Sigma 0.04007 ± 0.00027
ADC-ped

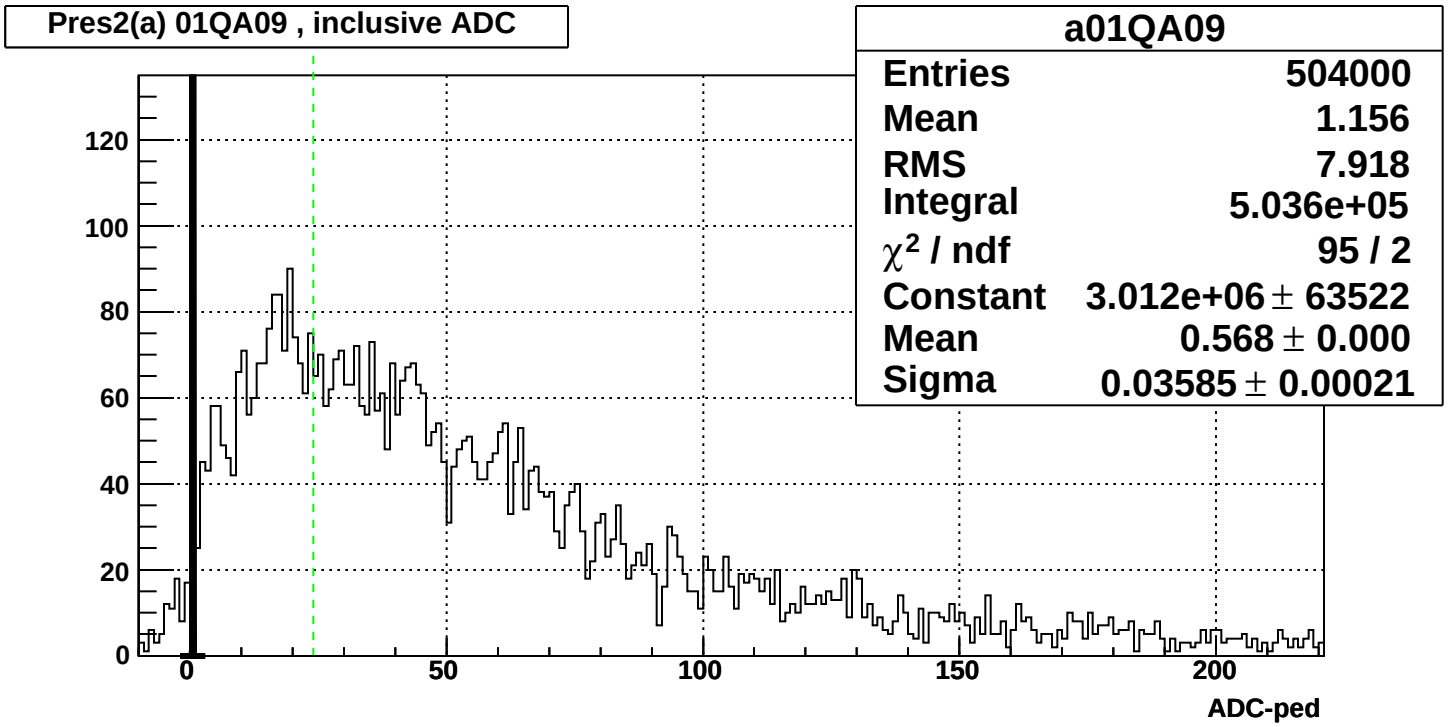

Pres1(d) 01PC09 , ADC, tag: UxV 2*thr
d01PC09
Entries 66
Mean 36.3
RMS 30.56
Integral 66
χ² / ndf 18.95 / 19
ampl-G 3.63 ± 2.56
const-L 25.15 ± 8.81
MPV-L 20.05 ± 4.09
sig-L 8.235 ± 3.570
ADC-ped

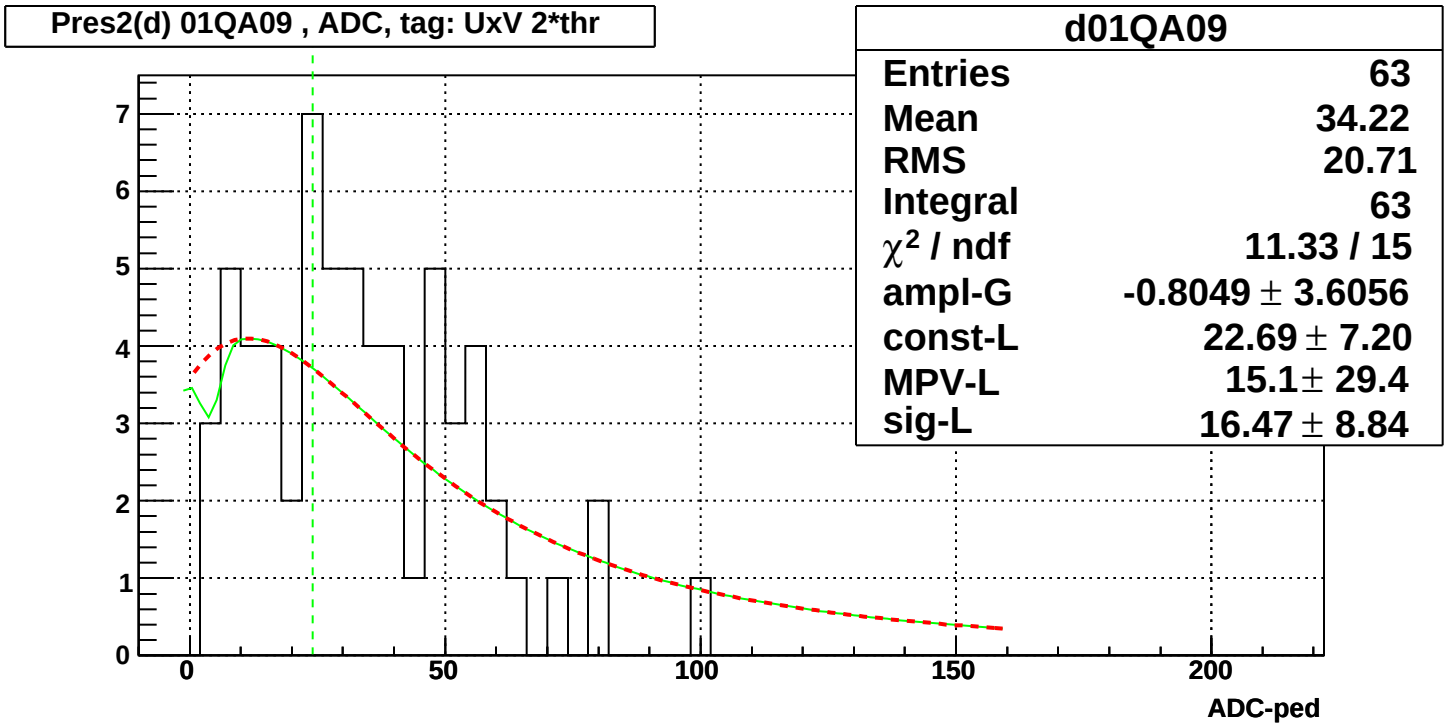

Pres1(a) 01PD09 , inclusive ADC
a01PD09
Entries 504000
Mean 1.04
RMS 6.561
Integral 5.038e+05
χ² / ndf 147 / 2
Constant 2.193e+06 ± 46257
Mean 0.5712 ± 0.0005
Sigma 0.04136 ± 0.00029
ADC-ped

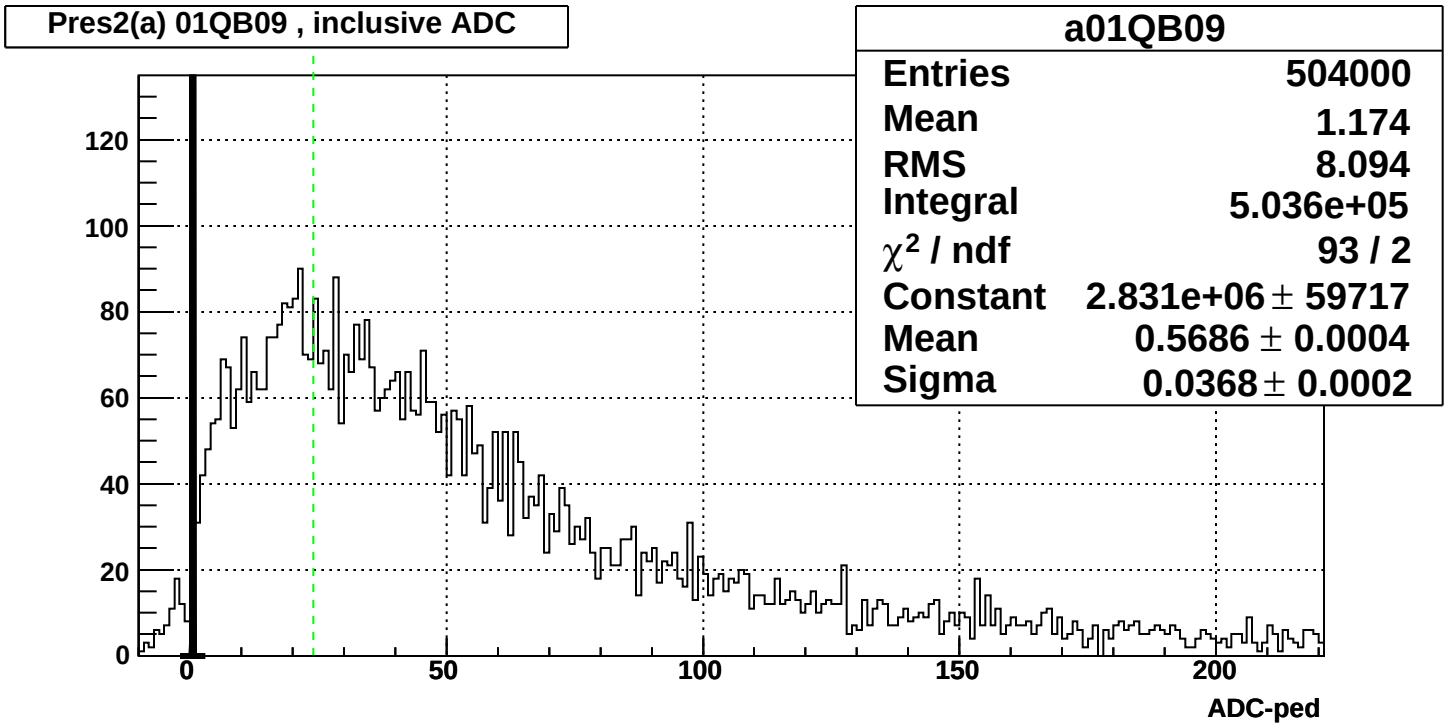

Pres1(d) 01PD09 , ADC, tag: UxV 2*thr
d01PD09
Entries 65
Mean 33.97
RMS 22.51
Integral 65
χ² / ndf 18.4 / 15
ampl-G 2.802 ± 2.405
const-L 1.059e+05 ± 223605
MPV-L -8467 ± 9491.2
sig-L 38.59 ± 42.10
ADC-ped

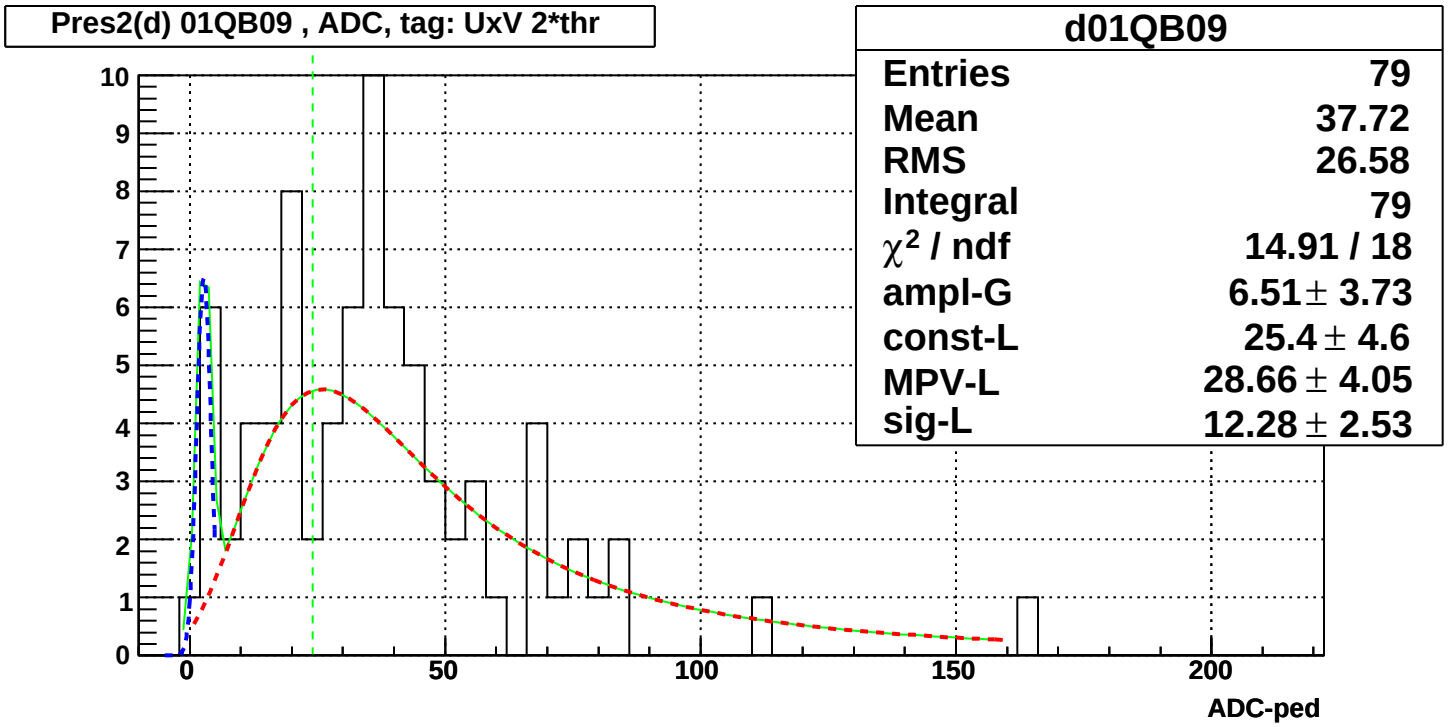

Pres1(a) 01PE09 , inclusive ADC
a01PE09
Entries 504000
Mean 1.069
RMS 6.816
Integral 5.038e+05
χ² / ndf 138 / 2
Constant 2.276e+06 ± 48020
Mean 0.5708 ± 0.0005
Sigma 0.04062 ± 0.00028
ADC-ped

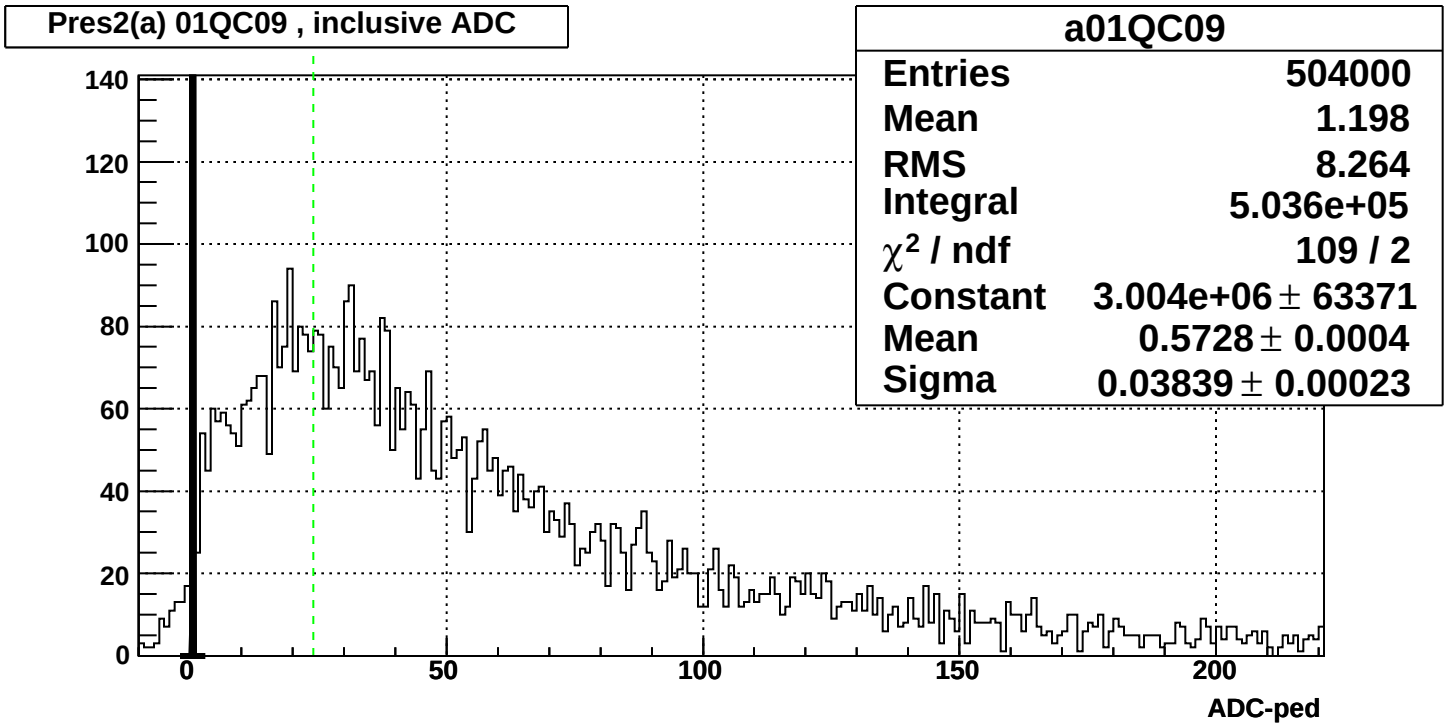

Pres1(d) 01PE09 , ADC, tag: UxV 2*thr
d01PE09
Entries 85
Mean 31.06
RMS 21.3
Integral 85
χ² / ndf 25.41 / 15
ampl-G 2.026 ± 2.971
const-L 33.97 ± 13.99
MPV-L 24.44 ± 2.55
sig-L 8.732 ± 5.138
ADC-ped

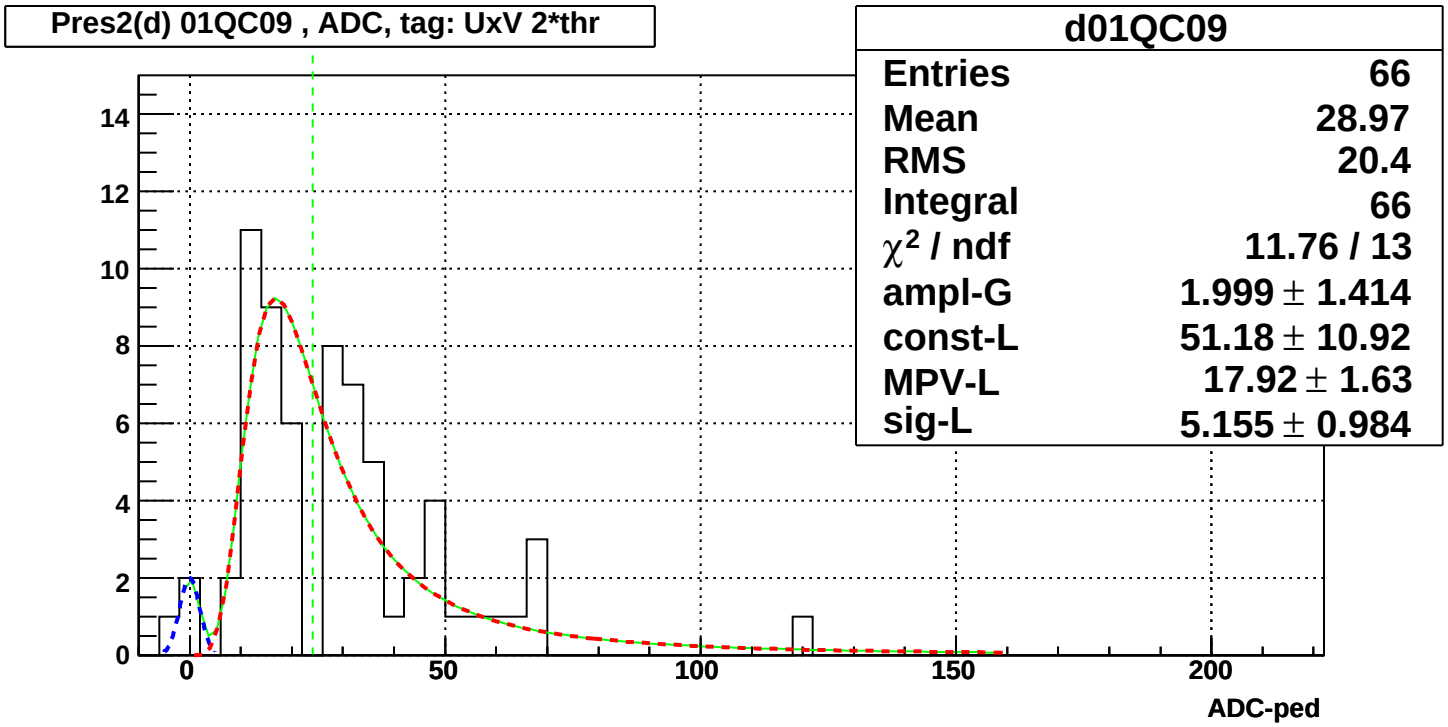

Pres2(a) 01QA09 , inclusive ADC
a01QA09
Entries 504000
Mean 1.156
RMS 7.918
Integral 5.036e+05
χ² / ndf 95 / 2
Constant 3.012e+06 ± 63522
Mean 0.568 ± 0.000
Sigma 0.03585 ± 0.00021
0
20
40
60
80
100
120
0
50
100
150
200
ADC-ped

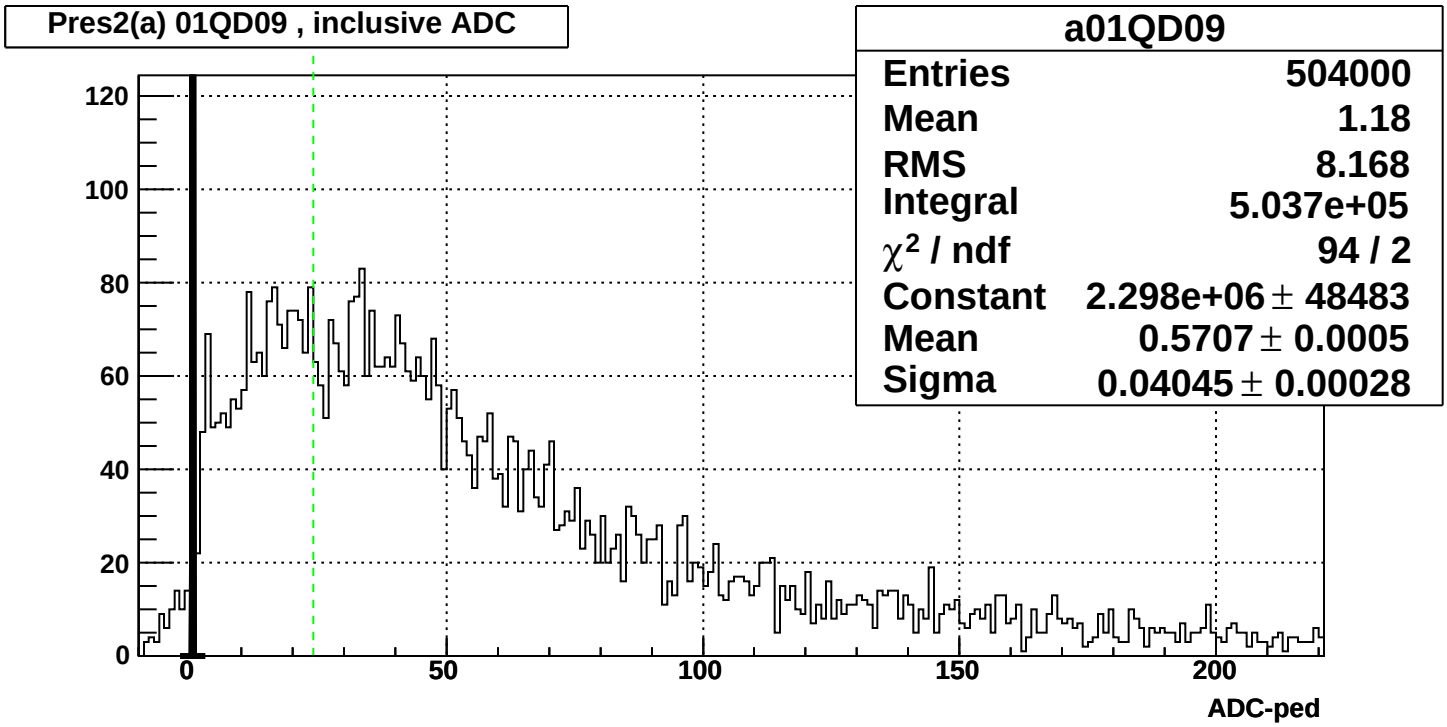

Pres2(d) 01QA09 , ADC, tag: UxV 2*thr
d01QA09
Entries 63
Mean 34.22
RMS 20.71
Integral 63
χ² / ndf 11.33 / 15
ampl-G -0.8049 ± 3.6056
const-L 22.69 ± 7.20
MPV-L 15.1± 29.4
sig-L 16.47 ± 8.84
0
1
2
3
4
5
6
7
0
50
100
150
200
ADC-ped

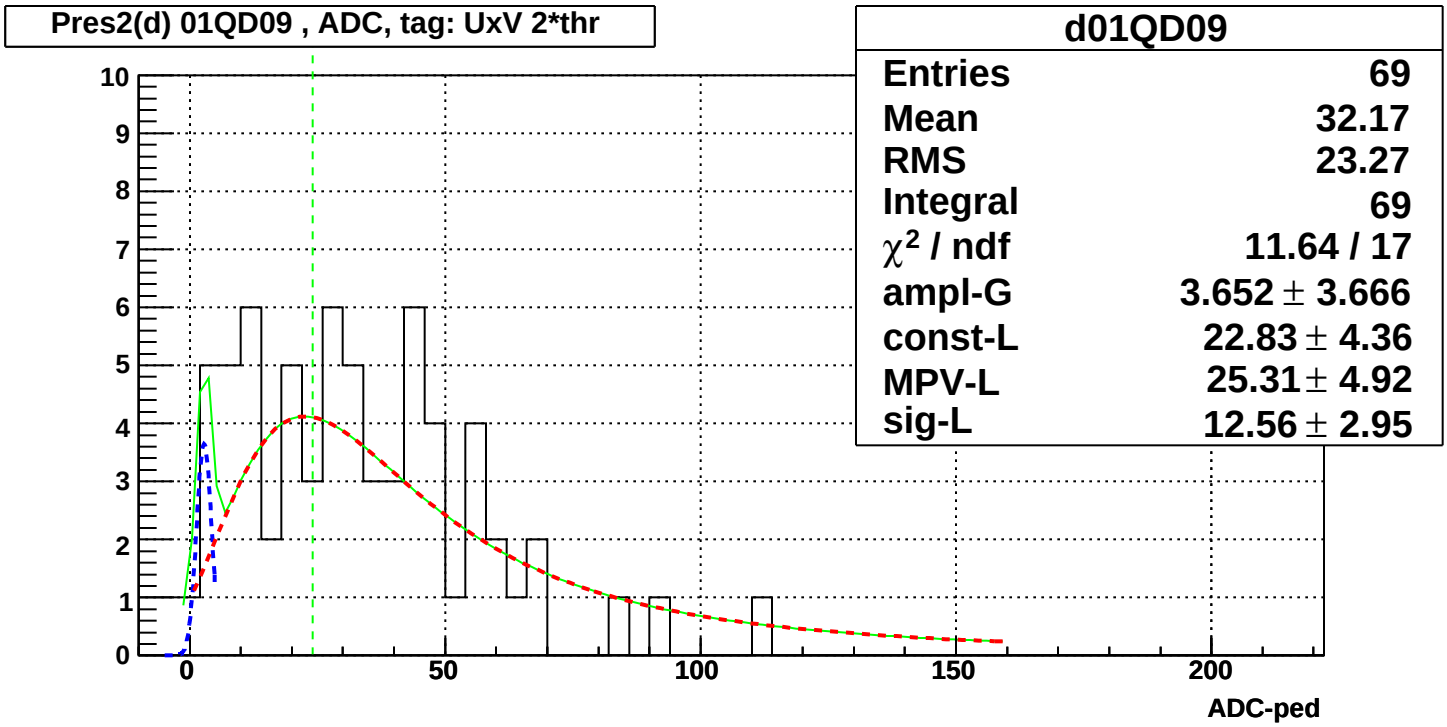

Pres2(a) 01QB09 , inclusive ADC
a01QB09
Entries 504000
Mean 1.174
RMS 8.094
Integral 5.036e+05
χ² / ndf 93 / 2
Constant 2.831e+06 ± 59717
Mean 0.5686 ± 0.0004
Sigma 0.0368 ± 0.0002
ADC-ped

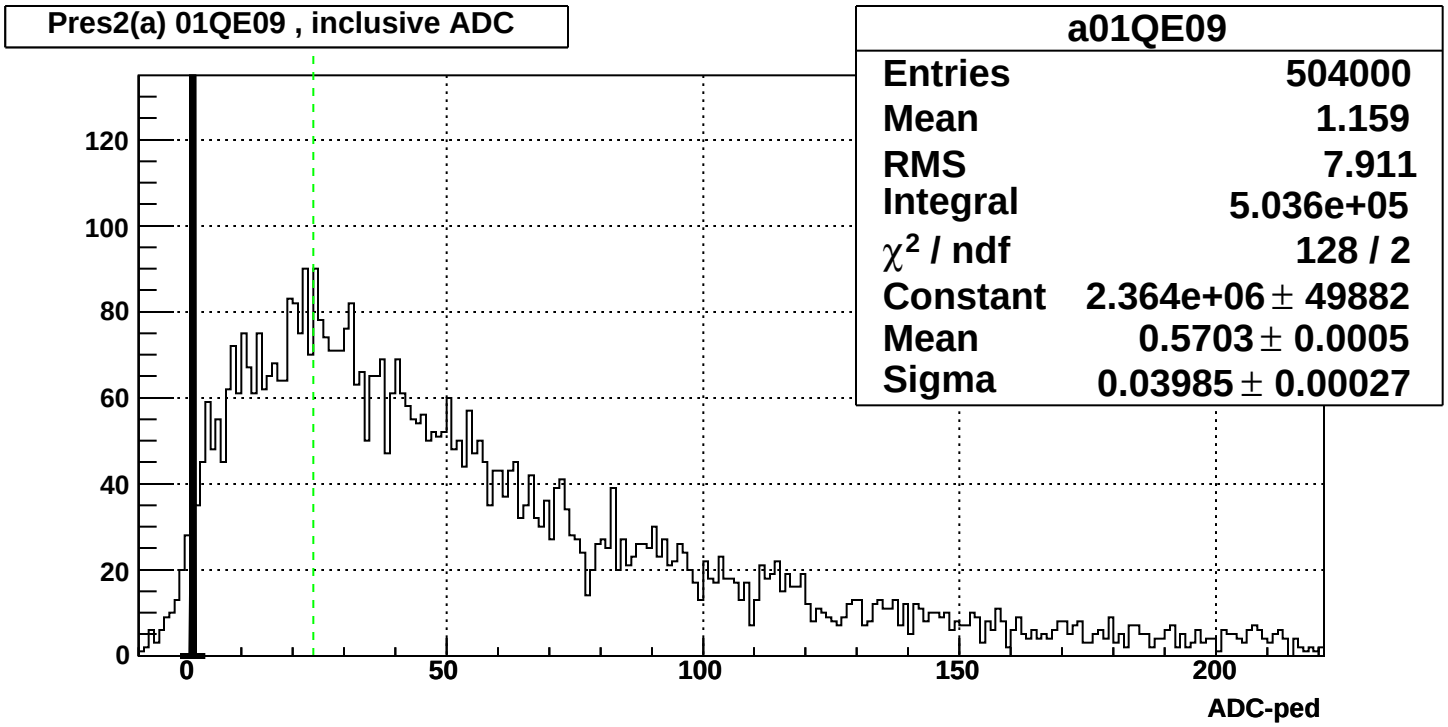

Pres2(d) 01QB09 , ADC, tag: UxV 2*thr
d01QB09
Entries 79
Mean 37.72
RMS 26.58
Integral 79
χ² / ndf 14.91 / 18
ampl-G 6.51 ± 3.73
const-L 25.4 ± 4.6
MPV-L 28.66 ± 4.05
sig-L 12.28 ± 2.53
ADC-ped

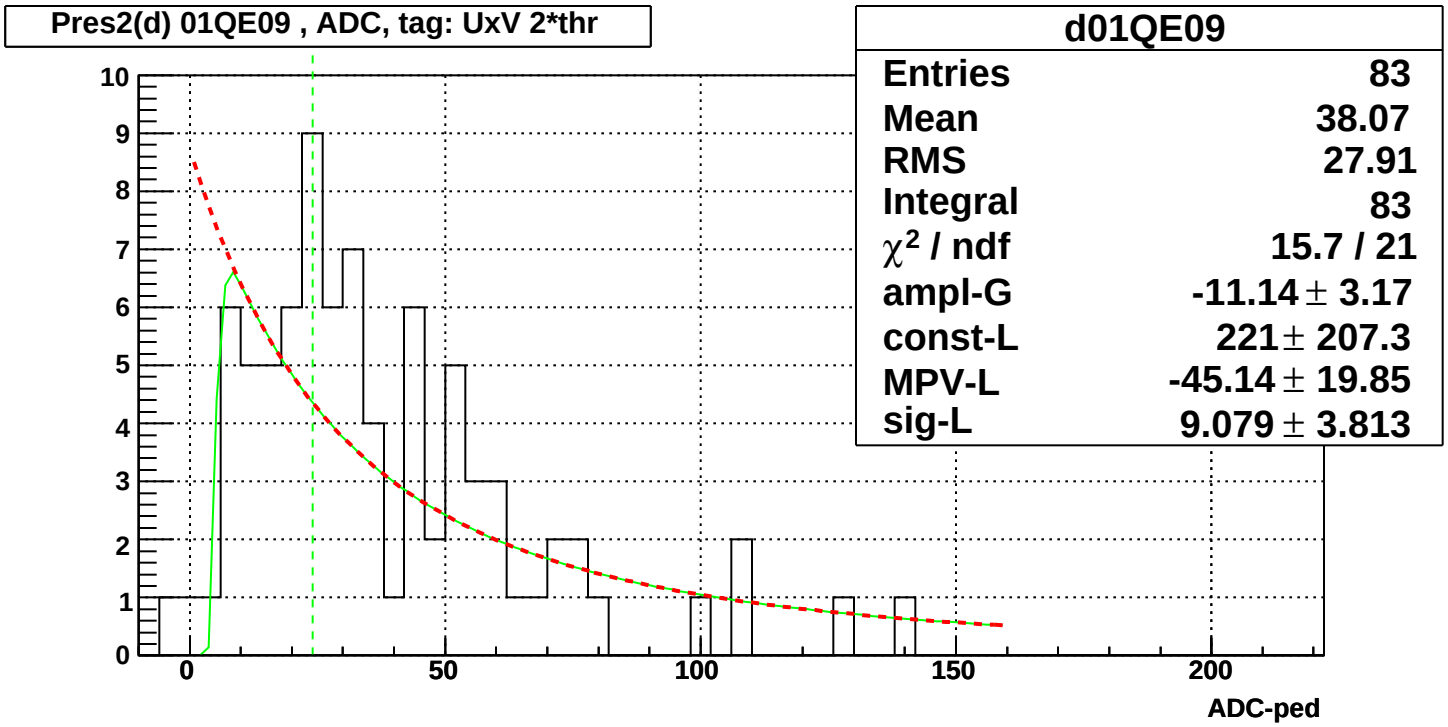

Pres2(a) 01QC09 , inclusive ADC
a01QC09
Entries 504000
Mean 1.198
RMS 8.264
Integral 5.036e+05
χ² / ndf 109 / 2
Constant 3.004e+06 ± 63371
Mean 0.5728 ± 0.0004
Sigma 0.03839 ± 0.00023
ADC-ped

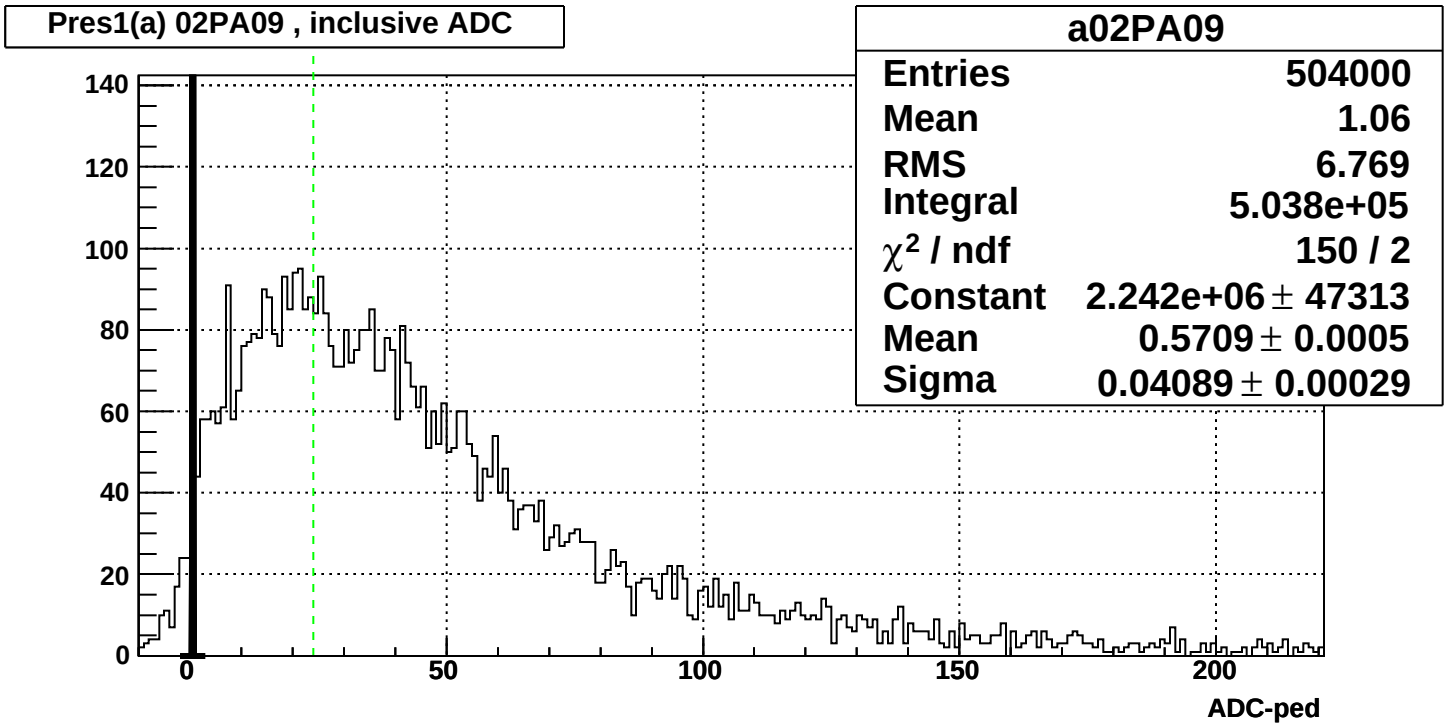

Pres2(d) 01QC09 , ADC, tag: UxV 2*thr
d01QC09
Entries 66
Mean 28.97
RMS 20.4
Integral 66
χ² / ndf 11.76 / 13
ampl-G 1.999 ± 1.414
const-L 51.18 ± 10.92
MPV-L 17.92 ± 1.63
sig-L 5.155 ± 0.984
ADC-ped

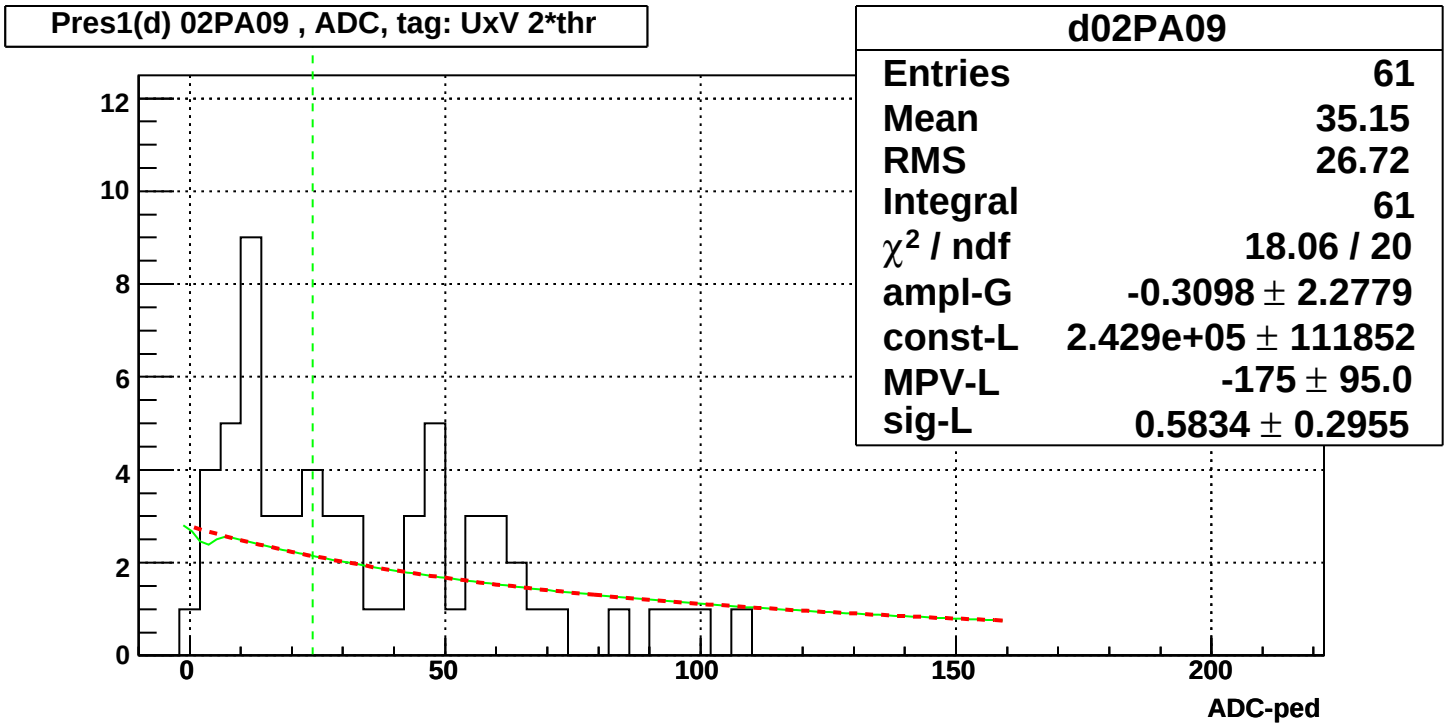

Pres2(a) 01QD09 , inclusive ADC
a01QD09
Entries 504000
Mean 1.18
RMS 8.168
Integral 5.037e+05
χ² / ndf 94 / 2
Constant 2.298e+06 ± 48483
Mean 0.5707 ± 0.0005
Sigma 0.04045 ± 0.00028
ADC-ped

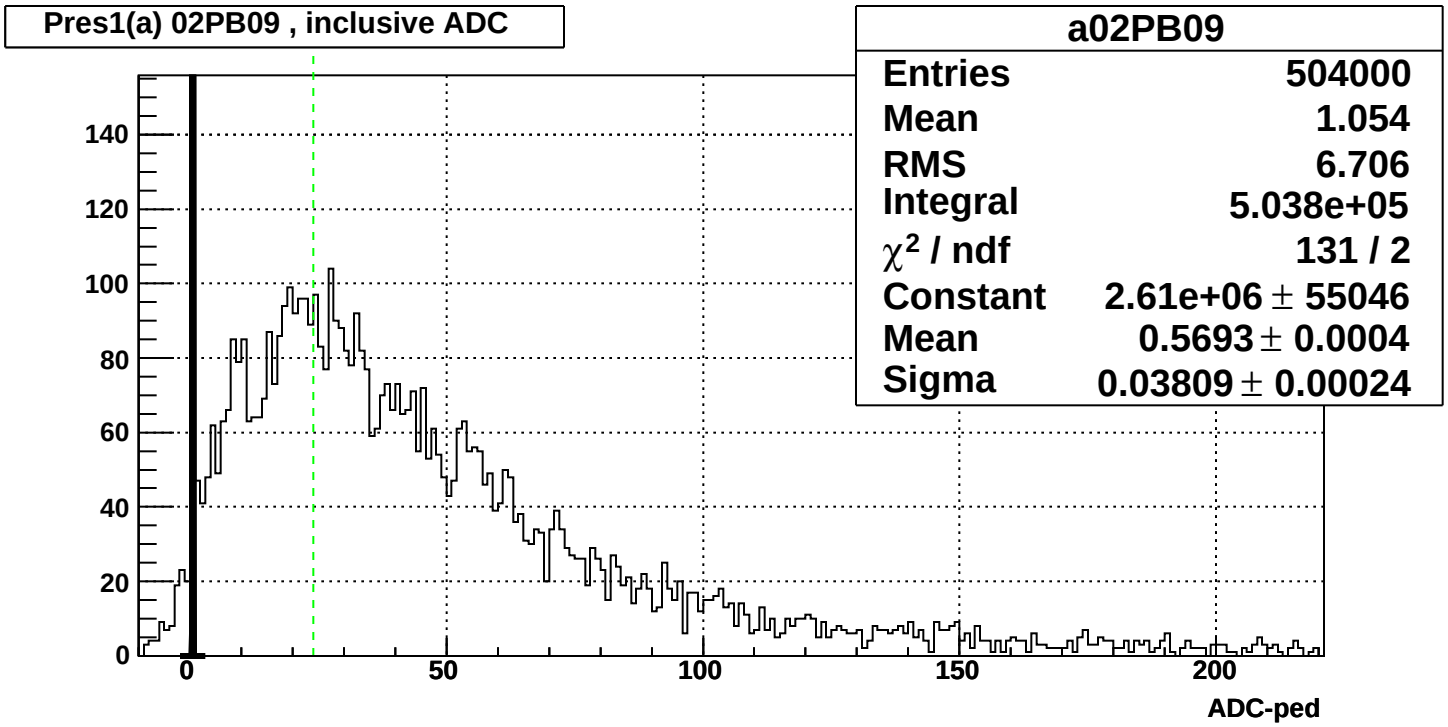

Pres2(d) 01QD09 , ADC, tag: UxV 2*thr
d01QD09
Entries 69
Mean 32.17
RMS 23.27
Integral 69
χ² / ndf 11.64 / 17
ampl-G 3.652 ± 3.666
const-L 22.83 ± 4.36
MPV-L 25.31 ± 4.92
sig-L 12.56 ± 2.95
ADC-ped

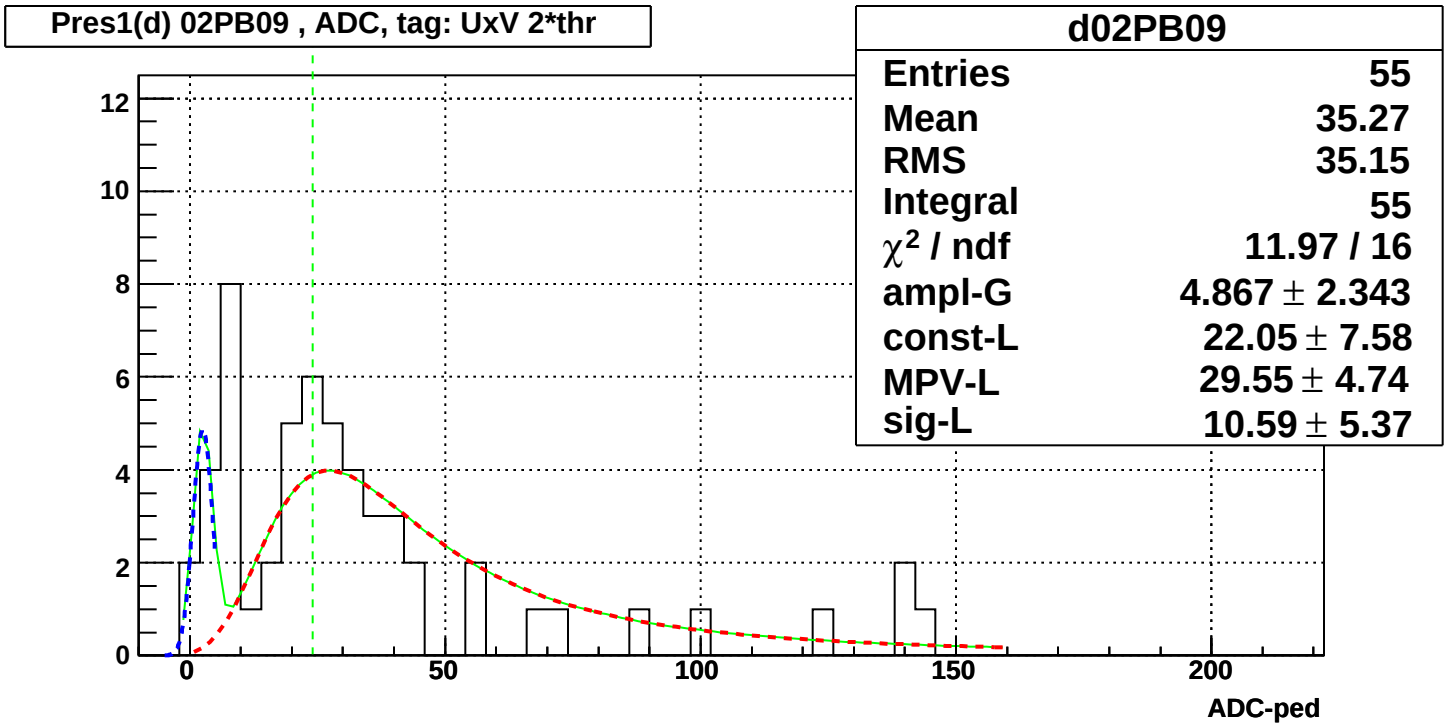

Pres2(a) 01QE09 , inclusive ADC
a01QE09
Entries 504000
Mean 1.159
RMS 7.911
Integral 5.036e+05
χ² / ndf 128 / 2
Constant 2.364e+06 ± 49882
Mean 0.5703 ± 0.0005
Sigma 0.03985 ± 0.00027
ADC-ped

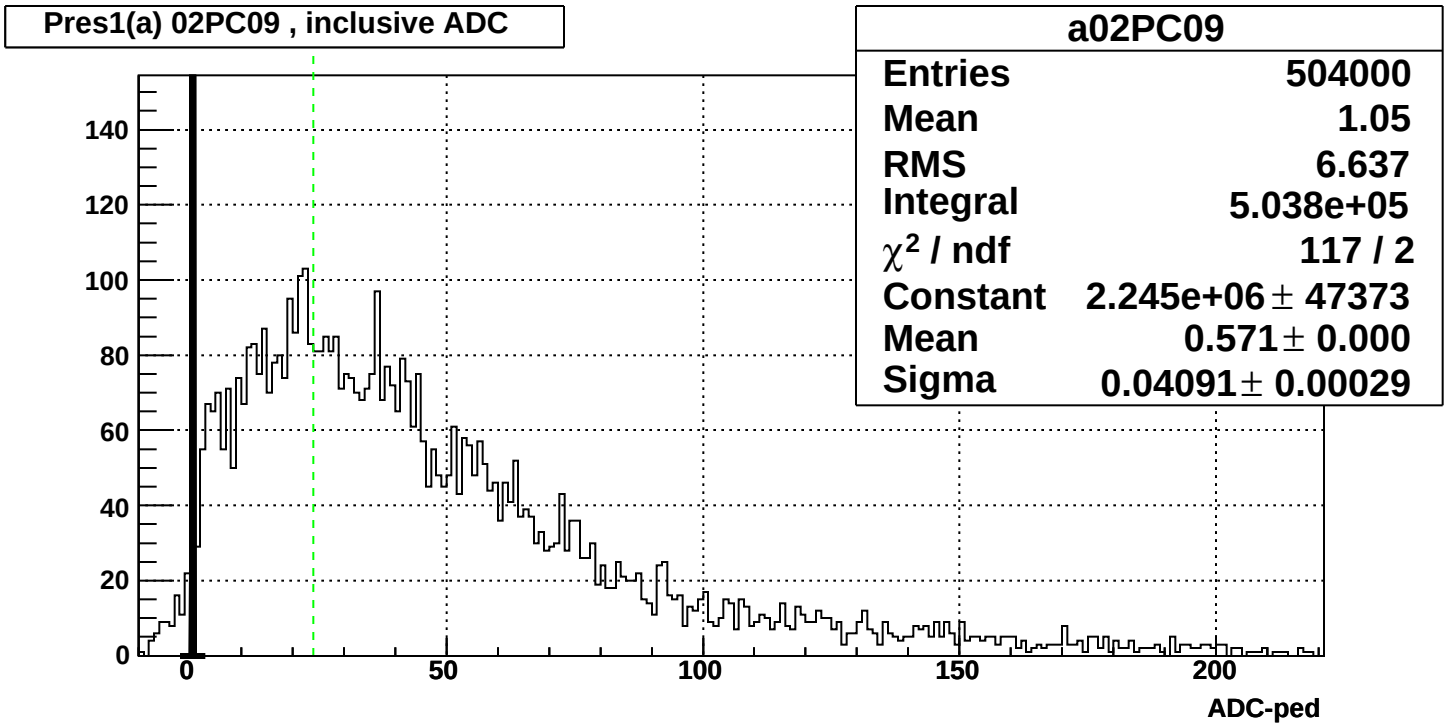

Pres2(d) 01QE09 , ADC, tag: UxV 2*thr
d01QE09
Entries 83
Mean 38.07
RMS 27.91
Integral 83
χ² / ndf 15.7 / 21
ampl-G -11.14 ± 3.17
const-L 221 ± 207.3
MPV-L -45.14 ± 19.85
sig-L 9.079 ± 3.813
ADC-ped

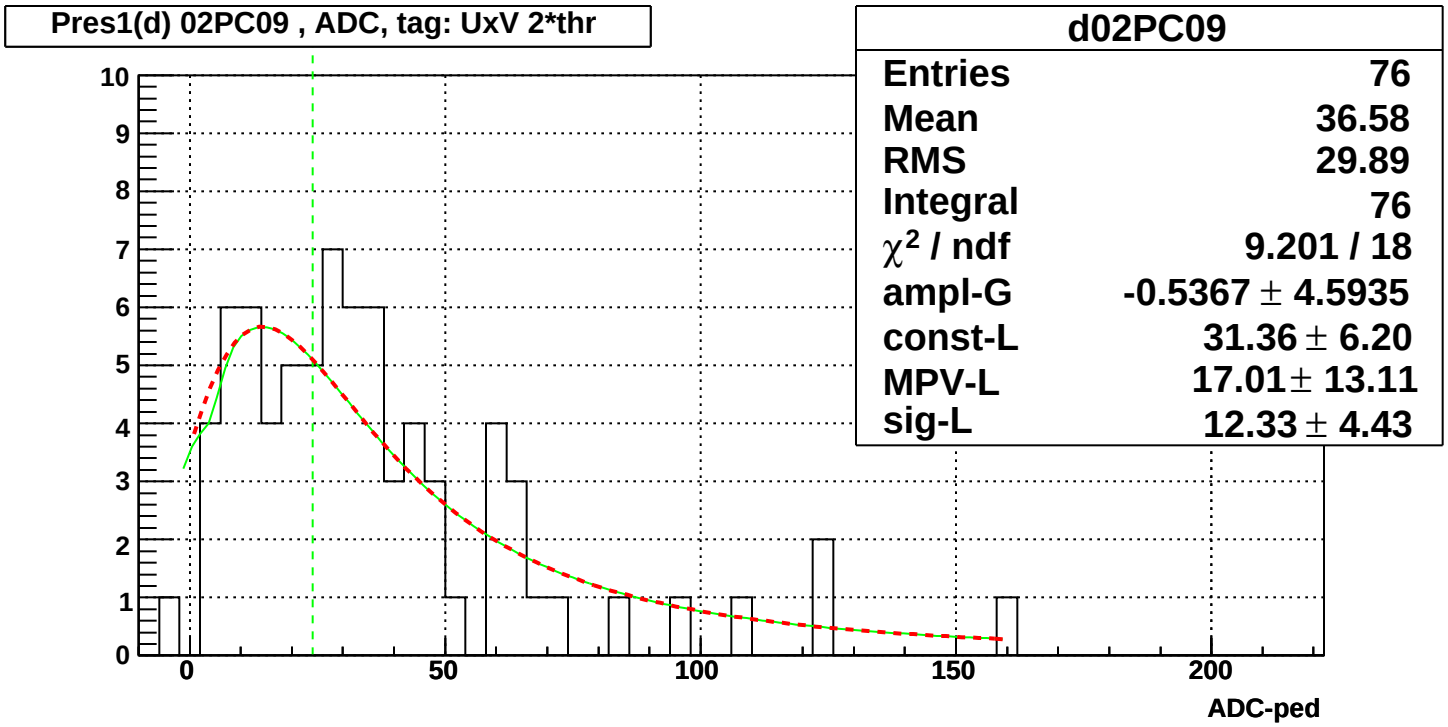

Pres1(a) 02PA09 , inclusive ADC
a02PA09
Entries 504000
Mean 1.06
RMS 6.769
Integral 5.038e+05
χ² / ndf 150 / 2
Constant 2.242e+06 ± 47313
Mean 0.5709 ± 0.0005
Sigma 0.04089 ± 0.00029
ADC-ped

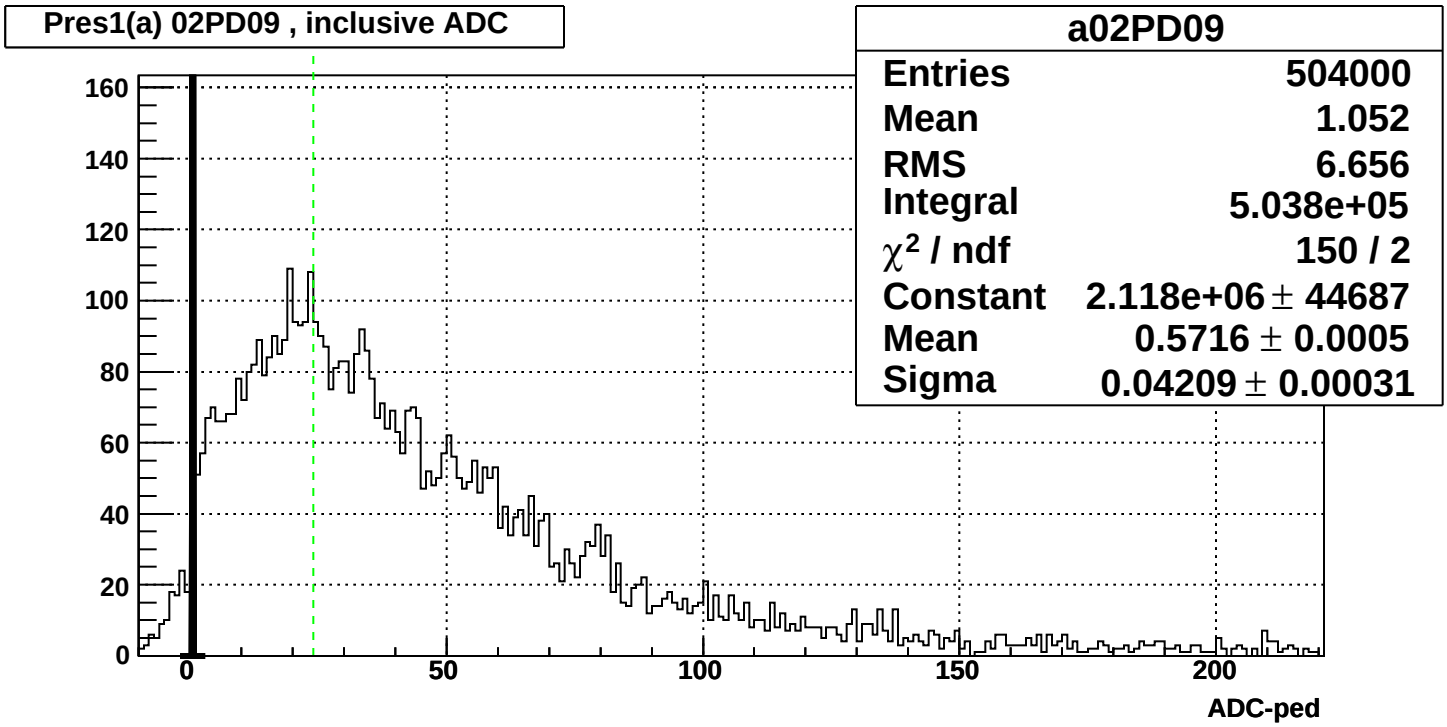

Pres1(d) 02PA09 , ADC, tag: UxV 2*thr
d02PA09
Entries 61
Mean 35.15
RMS 26.72
Integral 61
χ² / ndf 18.06 / 20
ampl-G -0.3098 ± 2.2779
const-L 2.429e+05 ± 111852
MPV-L -175 ± 95.0
sig-L 0.5834 ± 0.2955
ADC-ped

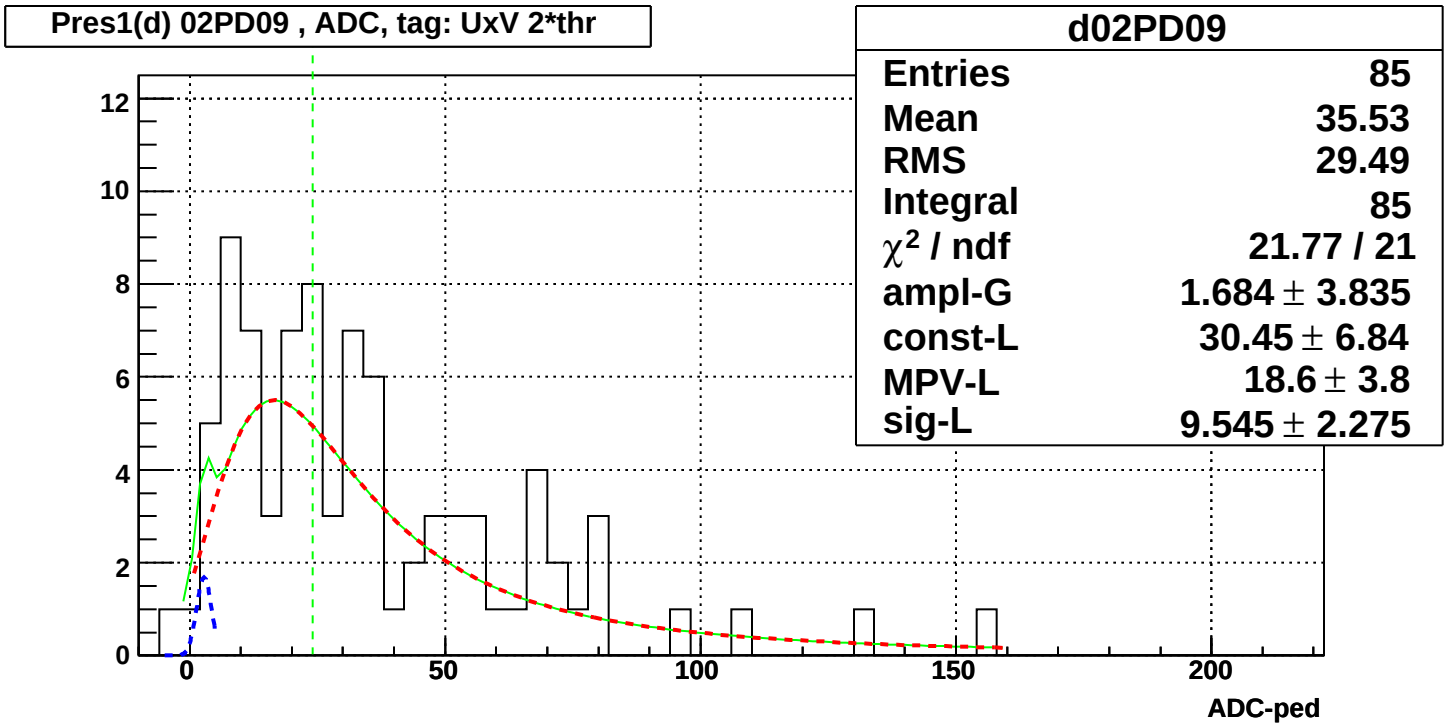

Pres1(a) 02PB09 , inclusive ADC
a02PB09
Entries 504000
Mean 1.054
RMS 6.706
Integral 5.038e+05
χ² / ndf 131 / 2
Constant 2.61e+06 ± 55046
Mean 0.5693 ± 0.0004
Sigma 0.03809 ± 0.00024
0
20
40
60
80
100
120
140
0
50
100
150
200
ADC-ped

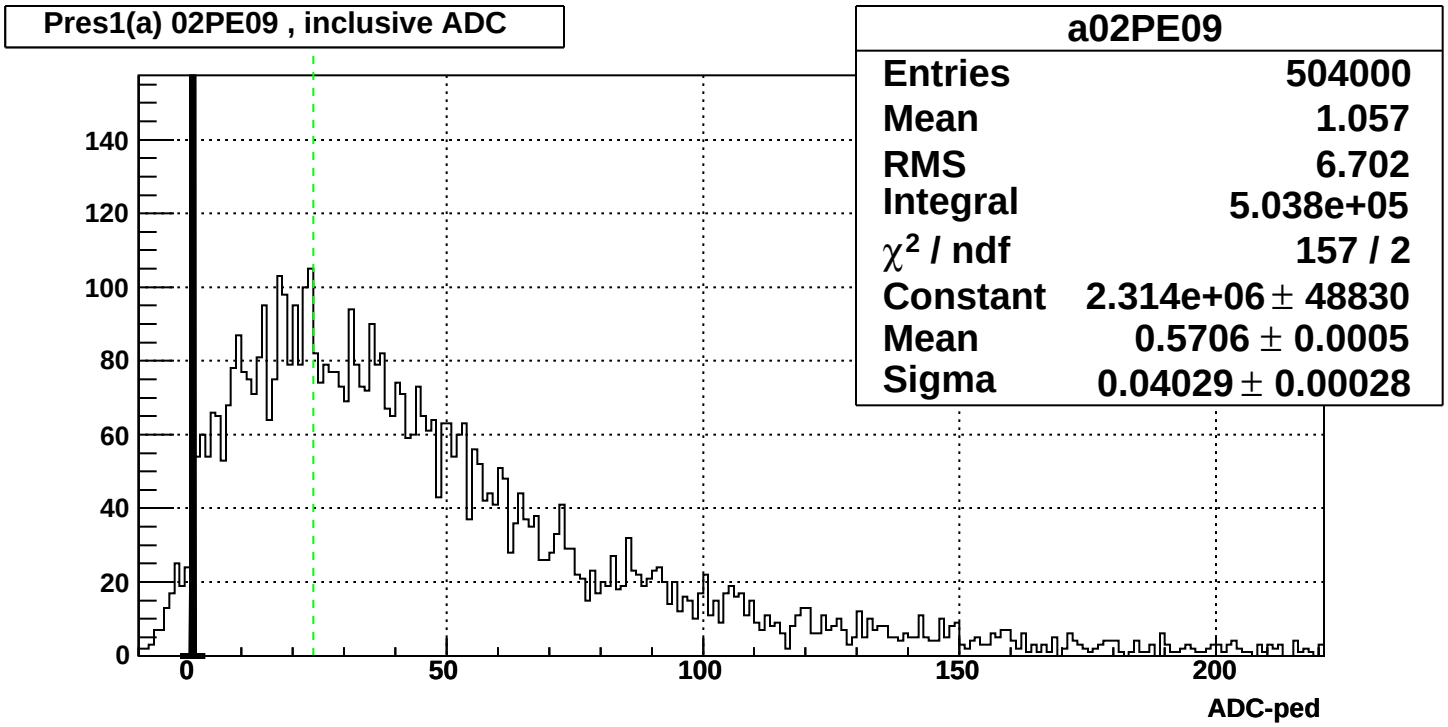

Pres1(d) 02PB09 , ADC, tag: UxV 2*thr
d02PB09
Entries 55
Mean 35.27
RMS 35.15
Integral 55
χ² / ndf 11.97 / 16
ampl-G 4.867 ± 2.343
const-L 22.05 ± 7.58
MPV-L 29.55 ± 4.74
sig-L 10.59 ± 5.37
0
2
4
6
8
10
12
0
50
100
150
200
ADC-ped

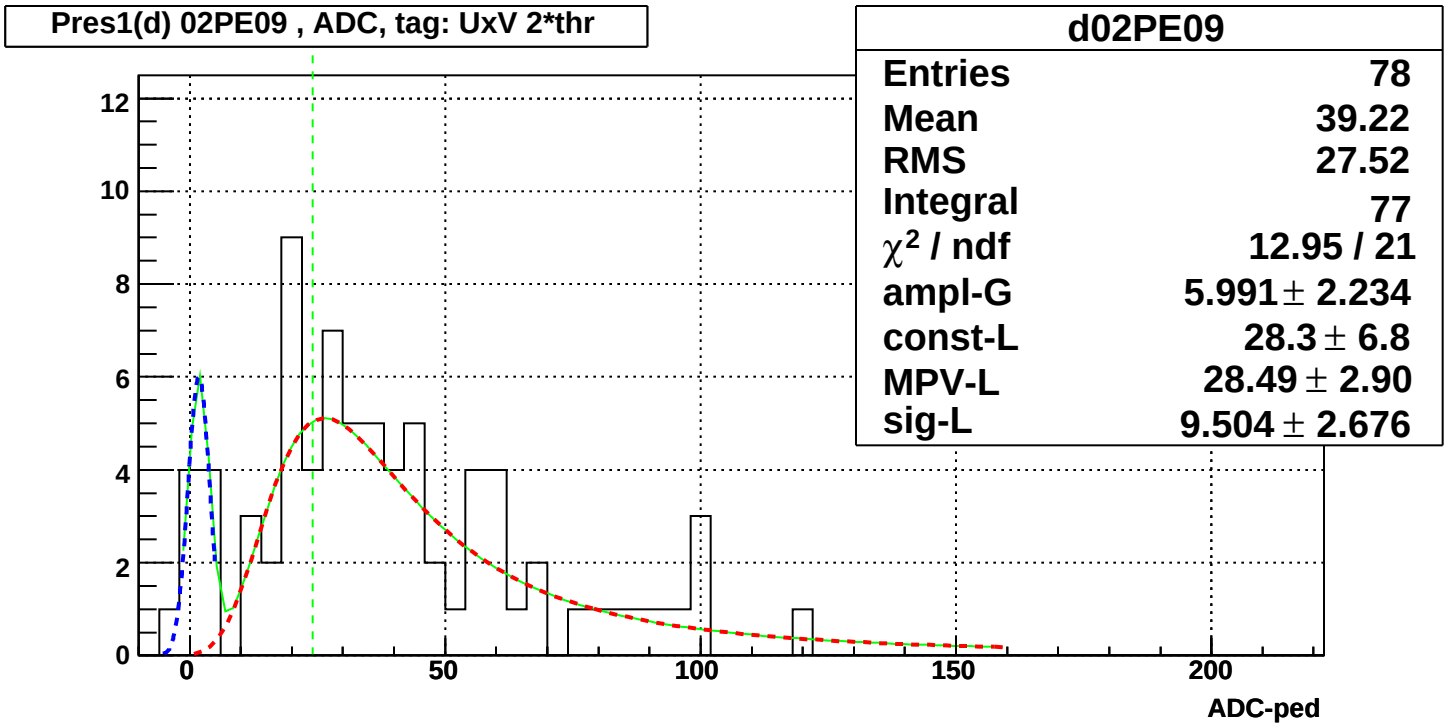

Pres1(a) 02PC09 , inclusive ADC
a02PC09
Entries 504000
Mean 1.05
RMS 6.637
Integral 5.038e+05
χ² / ndf 117 / 2
Constant 2.245e+06 ± 47373
Mean 0.571 ± 0.000
Sigma 0.04091 ± 0.00029
ADC-ped

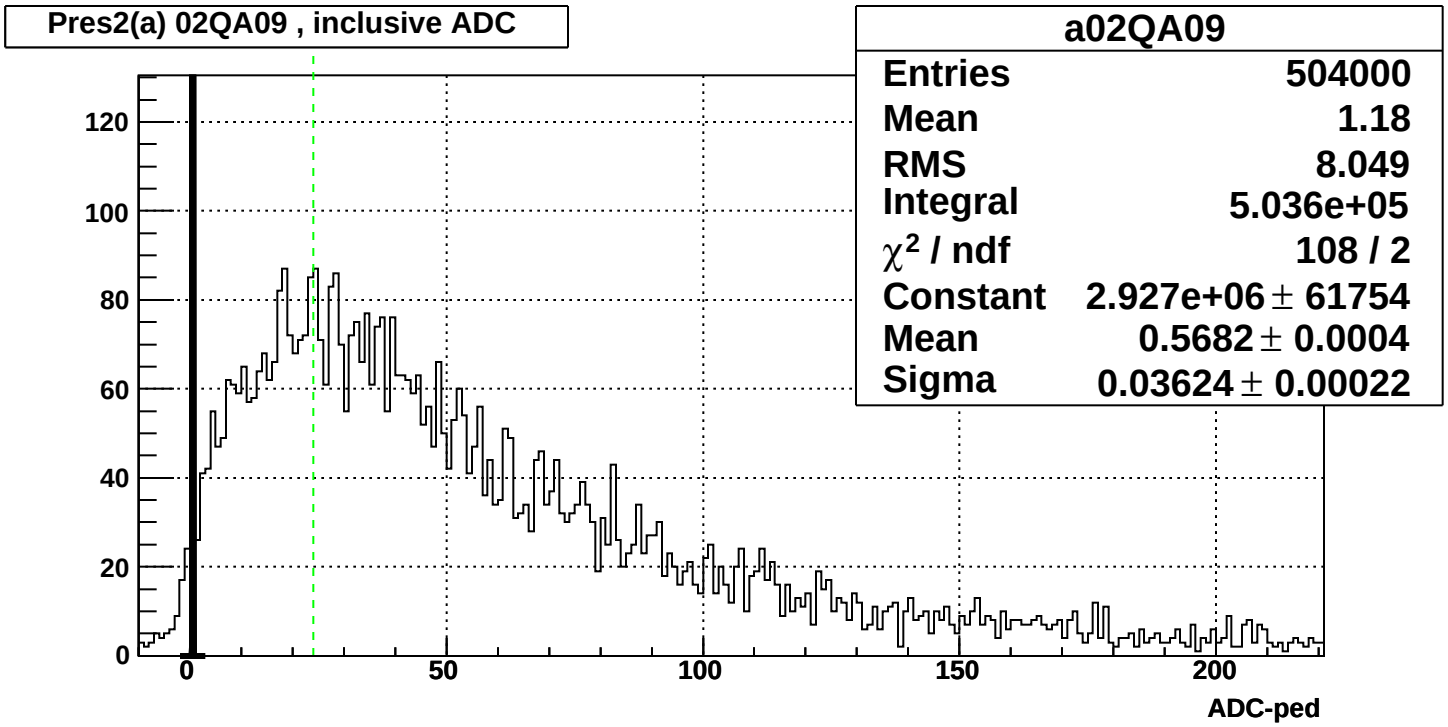

Pres1(d) 02PC09 , ADC, tag: UxV 2*thr
d02PC09
Entries 76
Mean 36.58
RMS 29.89
Integral 76
χ² / ndf 9.201 / 18
ampl-G -0.5367 ± 4.5935
const-L 31.36 ± 6.20
MPV-L 17.01 ± 13.11
sig-L 12.33 ± 4.43
ADC-ped

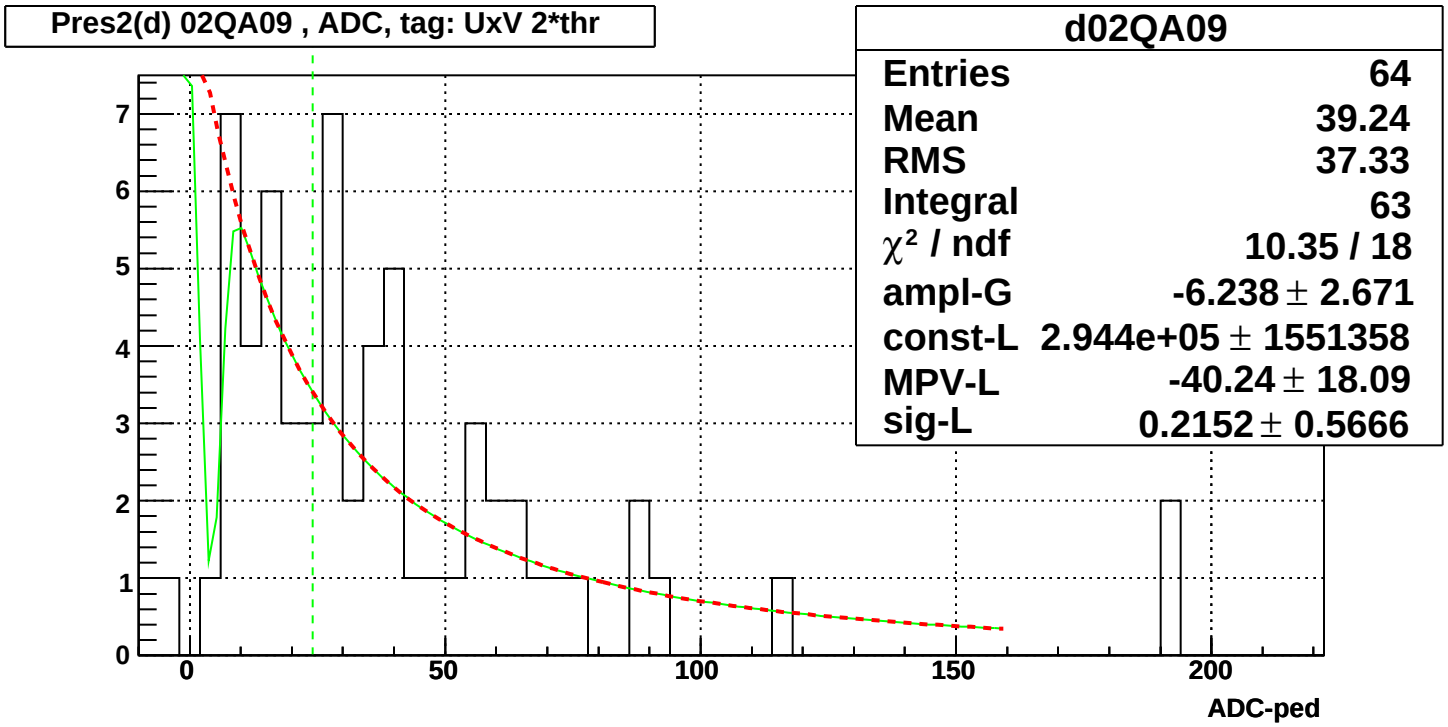

Pres1(a) 02PD09 , inclusive ADC
a02PD09
Entries 504000
Mean 1.052
RMS 6.656
Integral 5.038e+05
χ² / ndf 150 / 2
Constant 2.118e+06 ± 44687
Mean 0.5716 ± 0.0005
Sigma 0.04209 ± 0.00031
ADC-ped

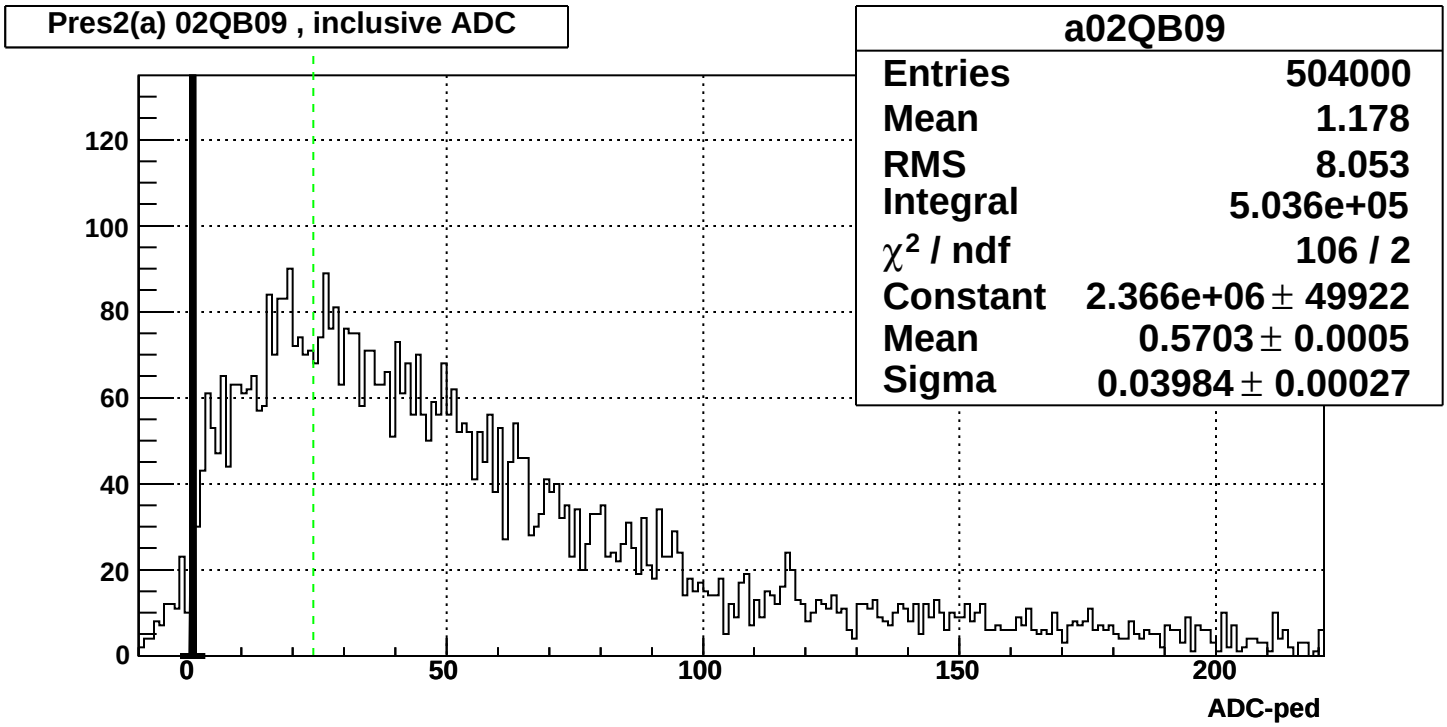

Pres1(d) 02PD09 , ADC, tag: UxV 2*thr
d02PD09
Entries 85
Mean 35.53
RMS 29.49
Integral 85
χ² / ndf 21.77 / 21
ampl-G 1.684 ± 3.835
const-L 30.45 ± 6.84
MPV-L 18.6 ± 3.8
sig-L 9.545 ± 2.275
ADC-ped

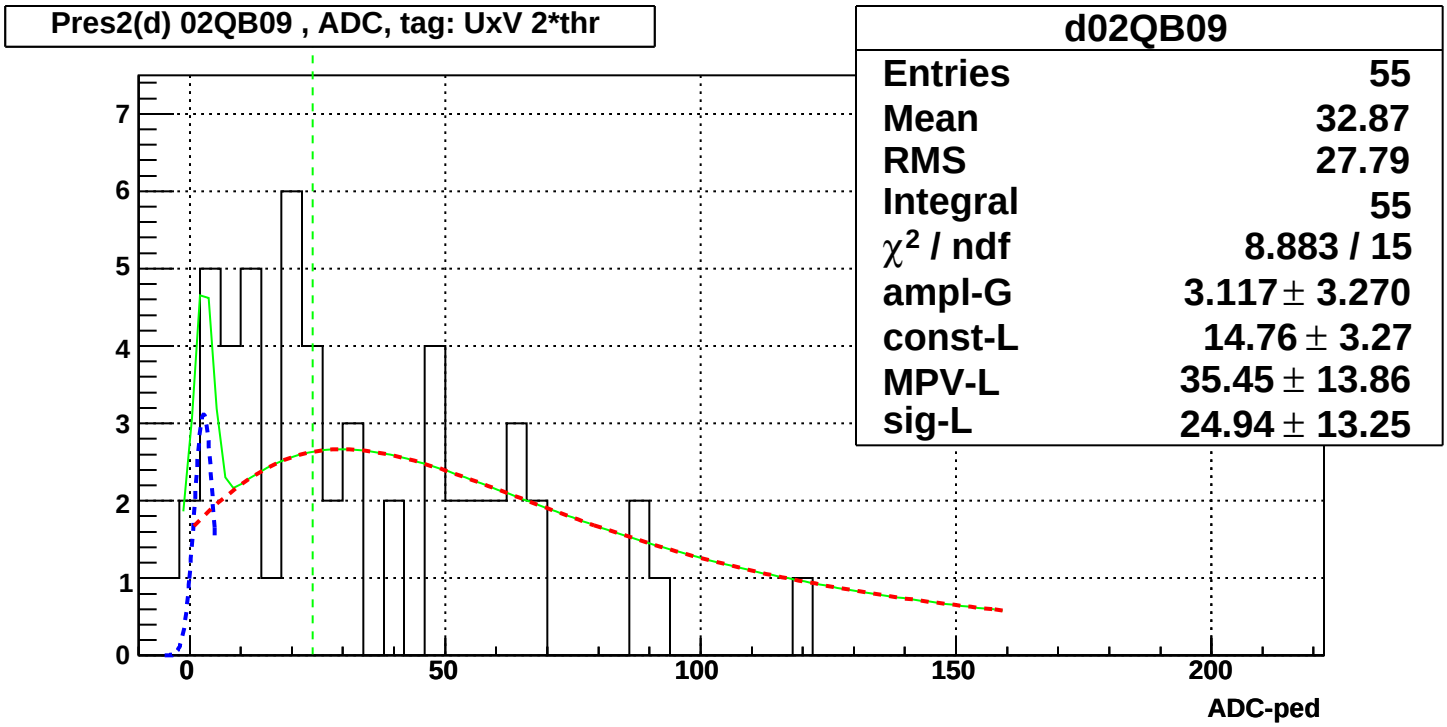

Pres1(a) 02PE09 , inclusive ADC
a02PE09
Entries 504000
Mean 1.057
RMS 6.702
Integral 5.038e+05
χ² / ndf 157 / 2
Constant 2.314e+06 ± 48830
Mean 0.5706 ± 0.0005
Sigma 0.04029 ± 0.00028
0
20
40
60
80
100
120
140
0
50
100
150
200
ADC-ped

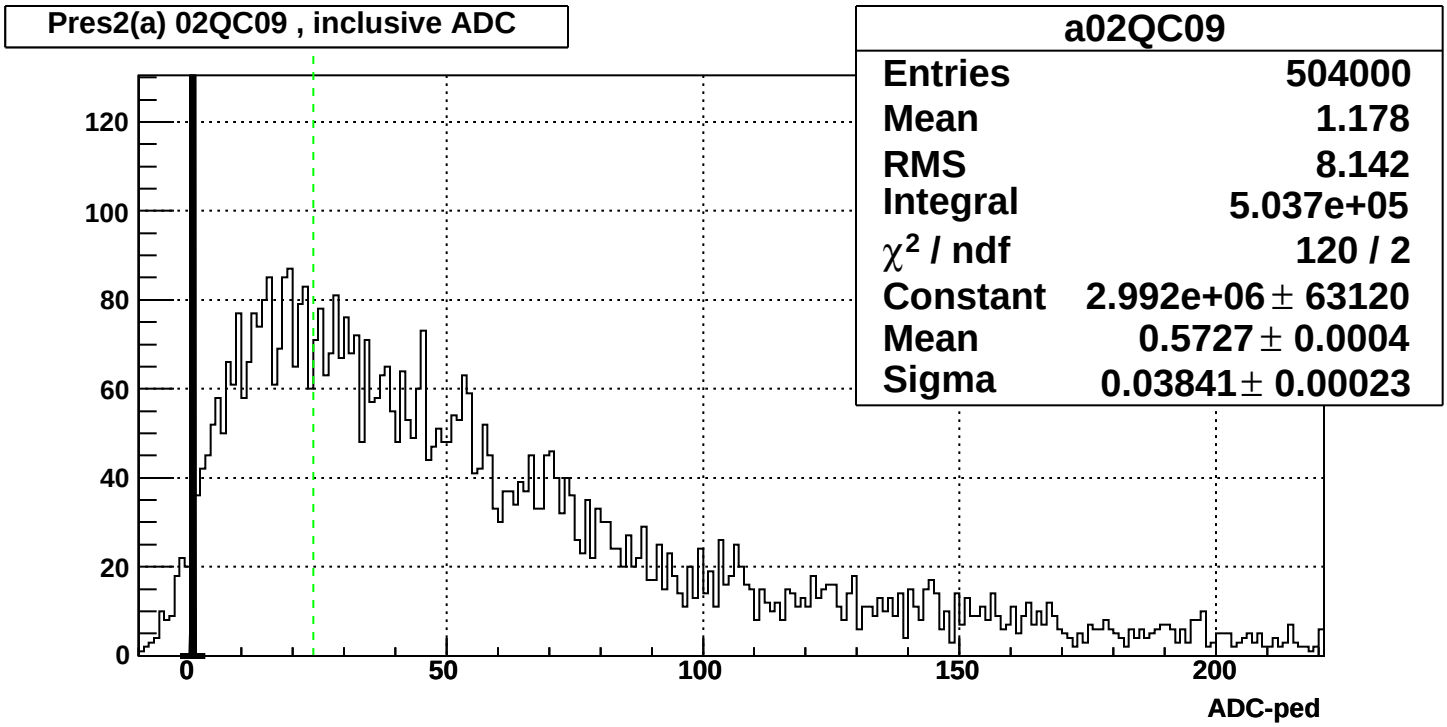

Pres1(d) 02PE09 , ADC, tag: UxV 2*thr
d02PE09
Entries 78
Mean 39.22
RMS 27.52
Integral 77
χ² / ndf 12.95 / 21
ampl-G 5.991 ± 2.234
const-L 28.3 ± 6.8
MPV-L 28.49 ± 2.90
sig-L 9.504 ± 2.676
0
2
4
6
8
10
12
0
50
100
150
200
ADC-ped

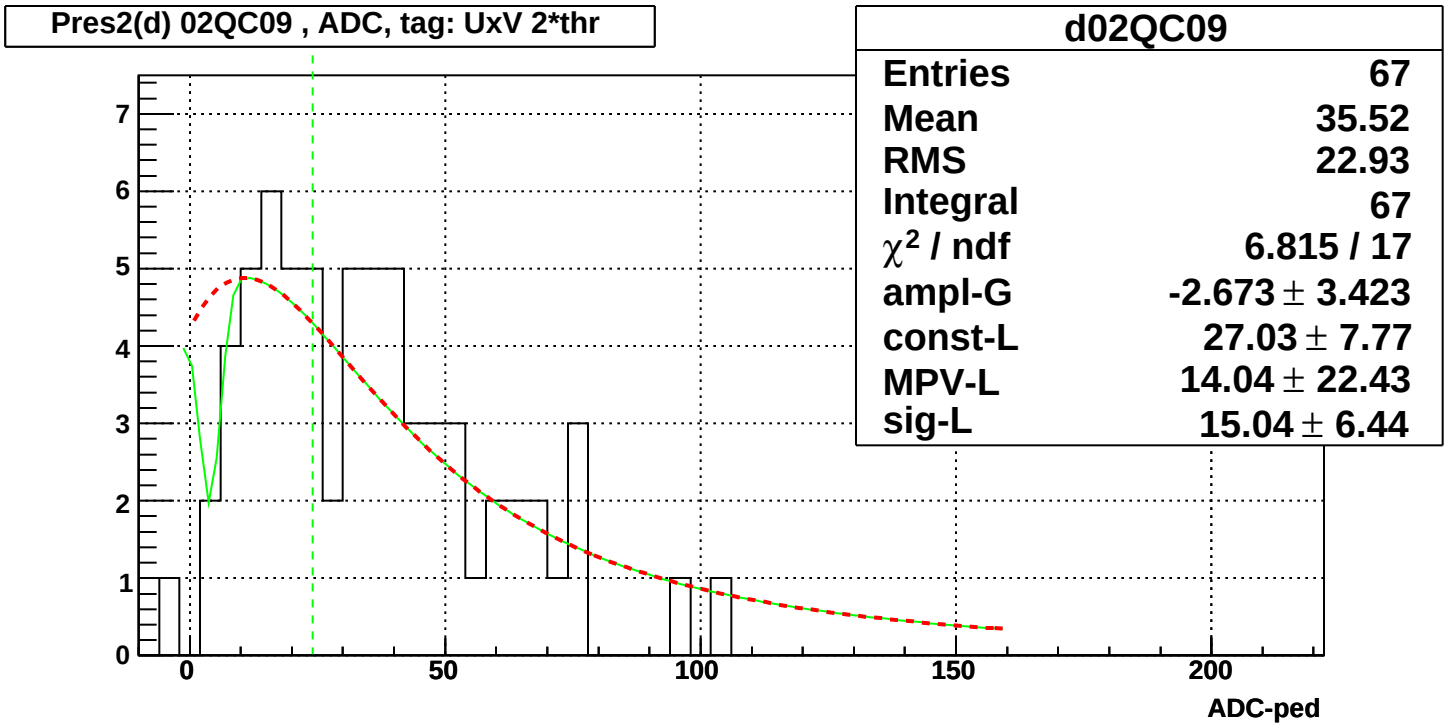

Pres2(a) 02QA09 , inclusive ADC
a02QA09
Entries 504000
Mean 1.18
RMS 8.049
Integral 5.036e+05
χ² / ndf 108 / 2
Constant 2.927e+06 ± 61754
Mean 0.5682 ± 0.0004
Sigma 0.03624 ± 0.00022
ADC-ped

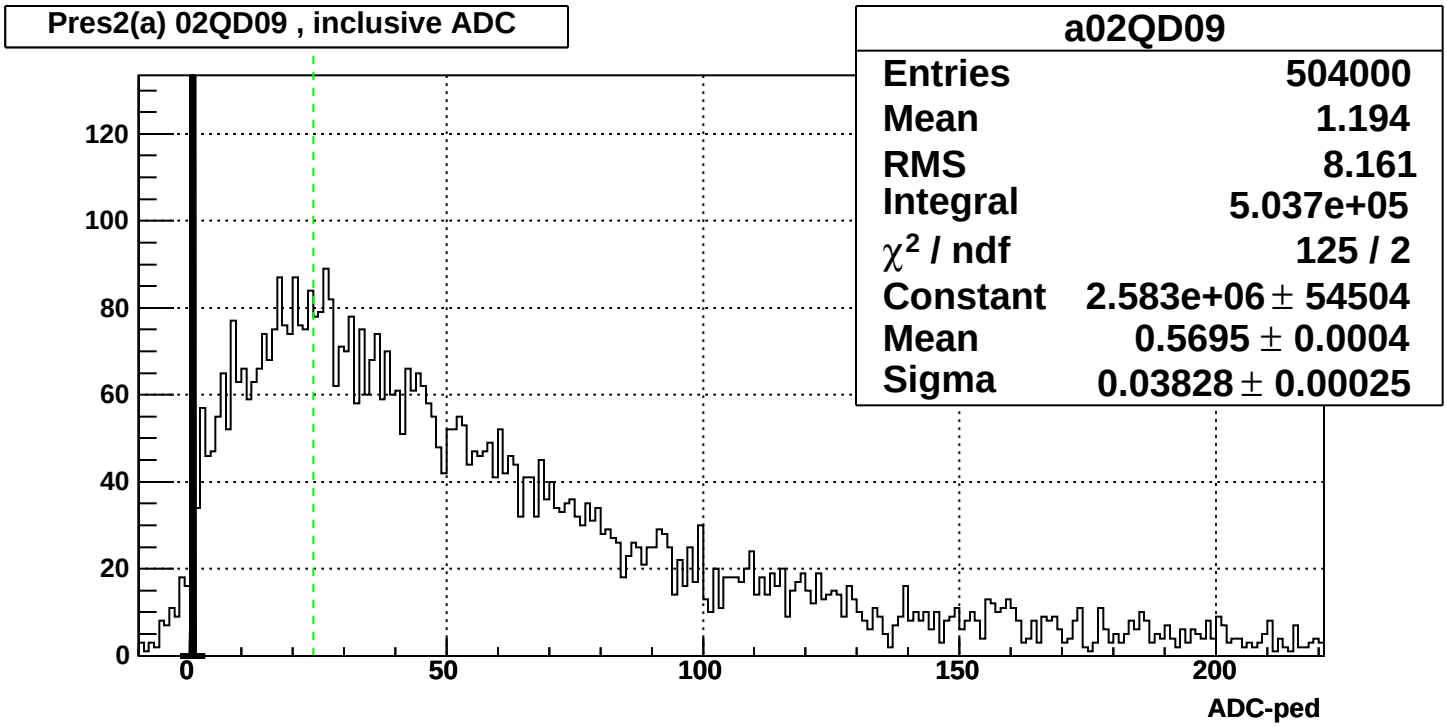

Pres2(d) 02QA09 , ADC, tag: UxV 2*thr
d02QA09
Entries 64
Mean 39.24
RMS 37.33
Integral 63
χ² / ndf 10.35 / 18
ampl-G -6.238 ± 2.671
const-L 2.944e+05 ± 1551358
MPV-L -40.24 ± 18.09
sig-L 0.2152 ± 0.5666
ADC-ped

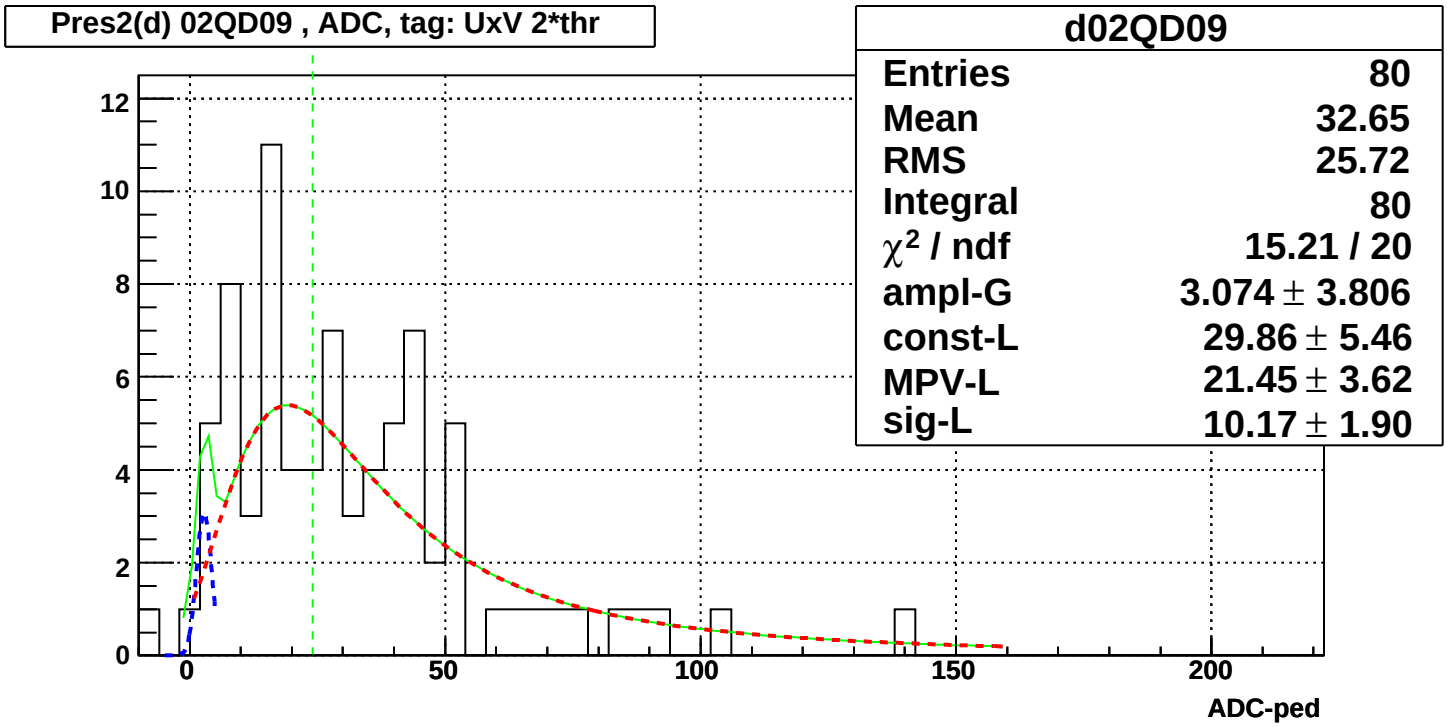

Pres2(a) 02QB09 , inclusive ADC
a02QB09
Entries 504000
Mean 1.178
RMS 8.053
Integral 5.036e+05
χ² / ndf 106 / 2
Constant 2.366e+06 ± 49922
Mean 0.5703 ± 0.0005
Sigma 0.03984 ± 0.00027
0
20
40
60
80
100
120
0
50
100
150
200
ADC-ped

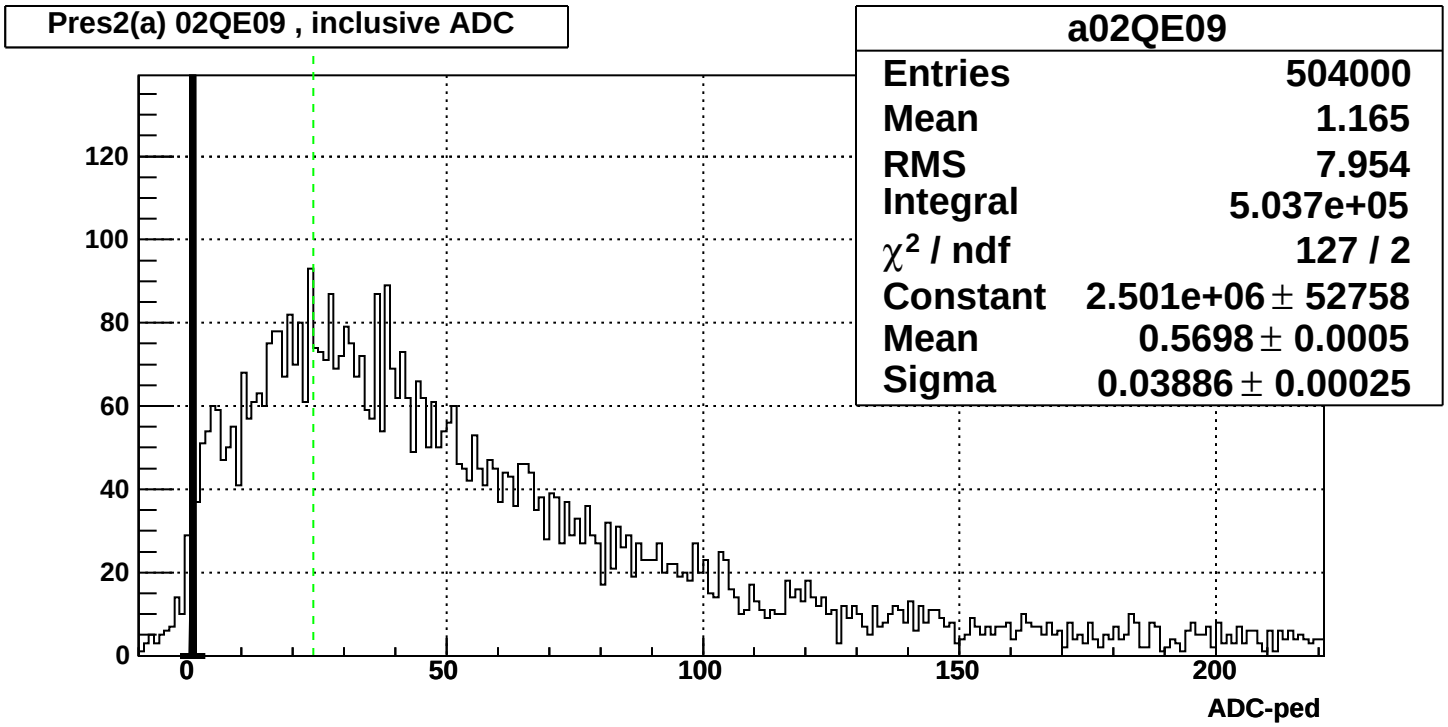

Pres2(d) 02QB09 , ADC, tag: UxV 2*thr
d02QB09
Entries 55
Mean 32.87
RMS 27.79
Integral 55
χ² / ndf 8.883 / 15
ampl-G 3.117 ± 3.270
const-L 14.76 ± 3.27
MPV-L 35.45 ± 13.86
sig-L 24.94 ± 13.25
0
1
2
3
4
5
6
7
0
50
100
150
200
ADC-ped

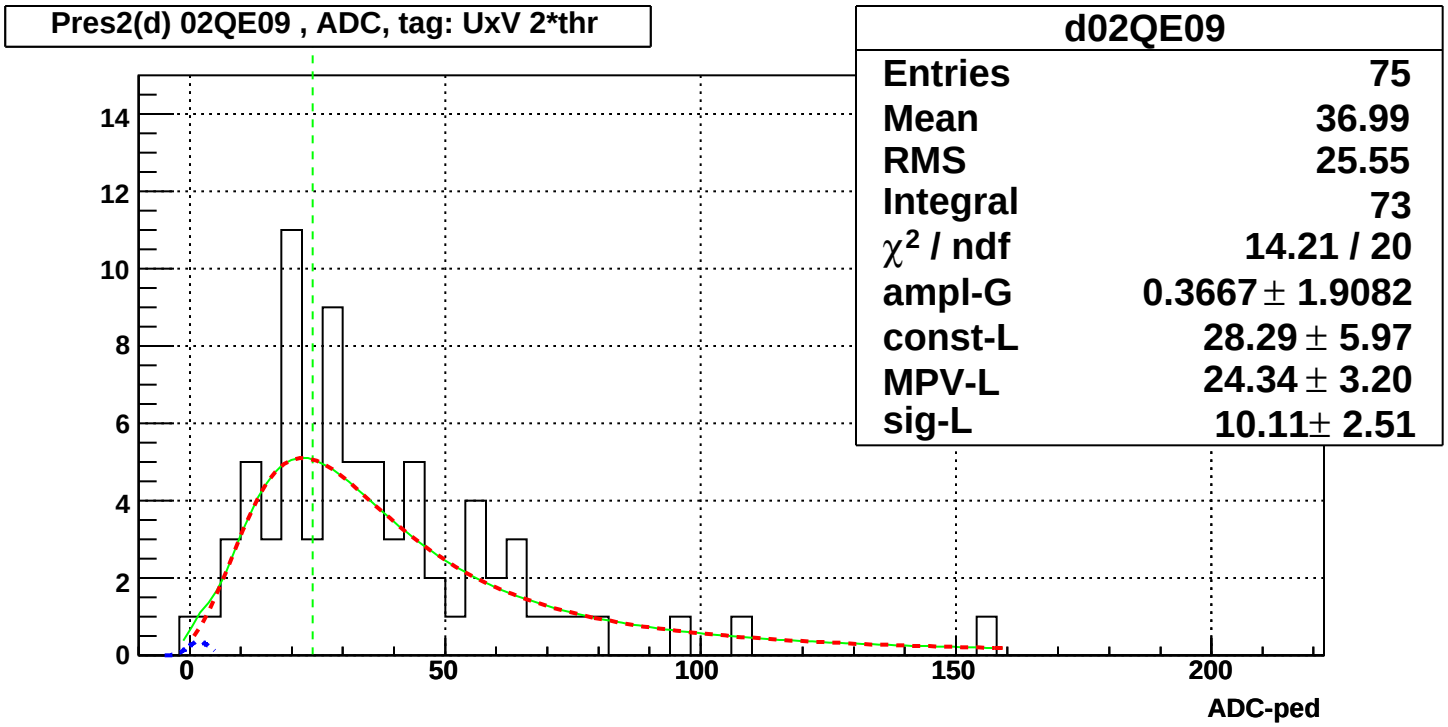

Pres2(a) 02QC09 , inclusive ADC
a02QC09
Entries 504000
Mean 1.178
RMS 8.142
Integral 5.037e+05
χ² / ndf 120 / 2
Constant 2.992e+06 ± 63120
Mean 0.5727 ± 0.0004
Sigma 0.03841 ± 0.00023
0
20
40
60
80
100
120
0
50
100
150
200
ADC-ped

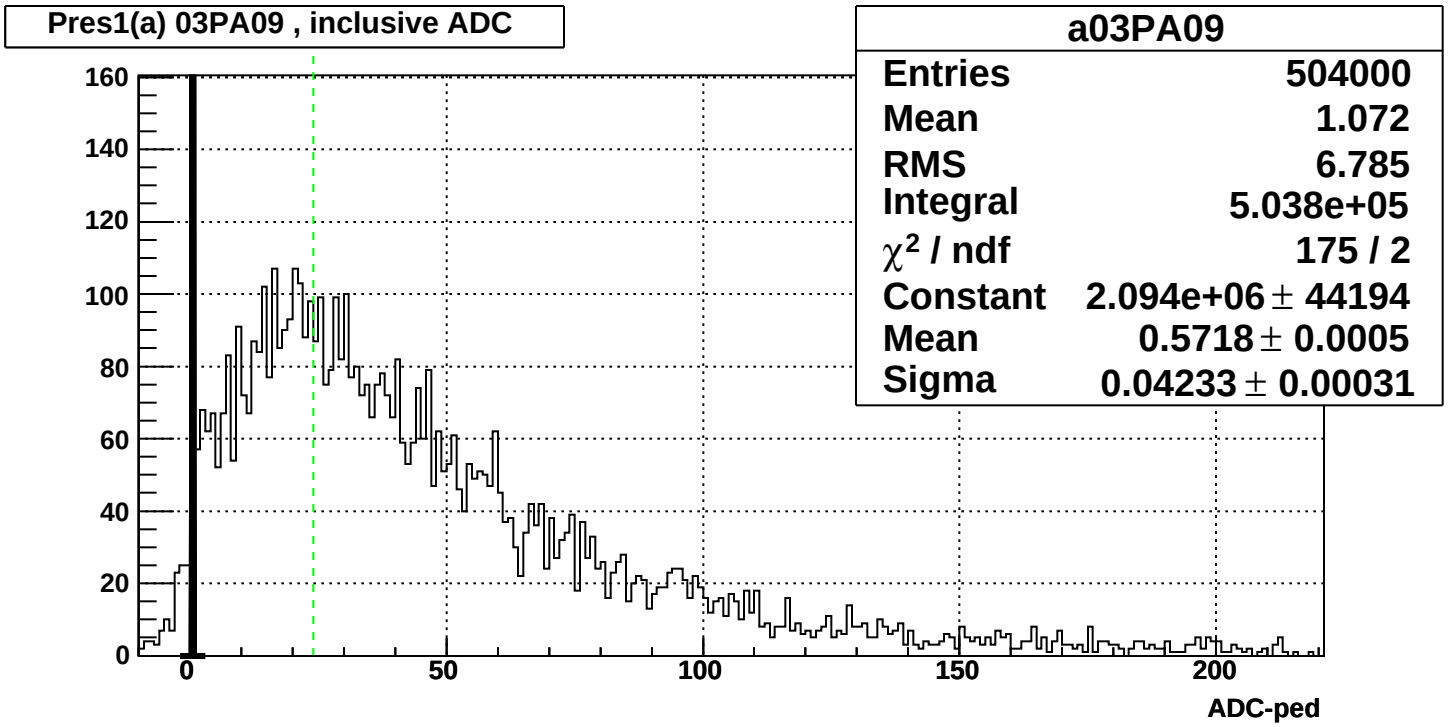

Pres2(d) 02QC09 , ADC, tag: UxV 2*thr
d02QC09
Entries 67
Mean 35.52
RMS 22.93
Integral 67
χ² / ndf 6.815 / 17
ampl-G -2.673 ± 3.423
const-L 27.03 ± 7.77
MPV-L 14.04 ± 22.43
sig-L 15.04 ± 6.44
0
1
2
3
4
5
6
7
0
50
100
150
200
ADC-ped

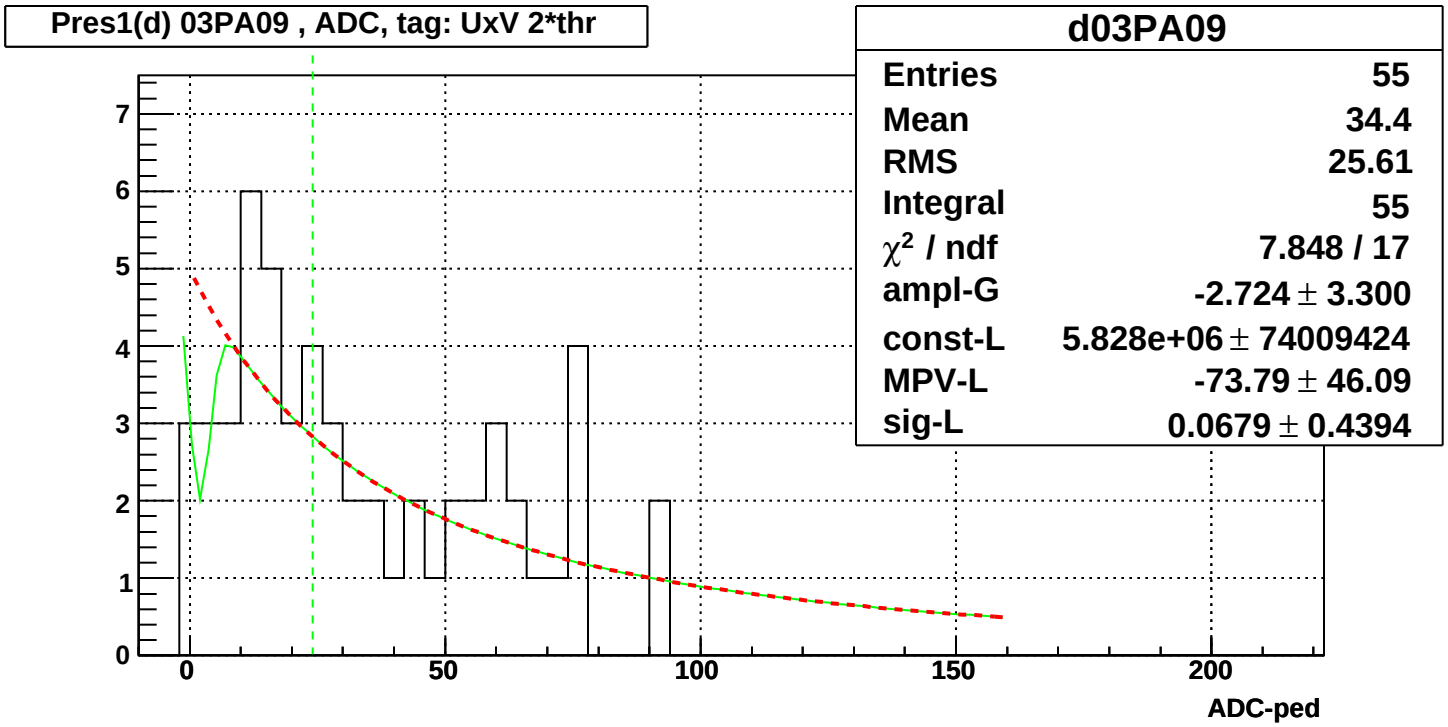

Pres2(a) 02QD09 , inclusive ADC
a02QD09
Entries 504000
Mean 1.194
RMS 8.161
Integral 5.037e+05
χ² / ndf 125 / 2
Constant 2.583e+06 ± 54504
Mean 0.5695 ± 0.0004
Sigma 0.03828 ± 0.00025
0
20
40
60
80
100
120
0
50
100
150
200
ADC-ped

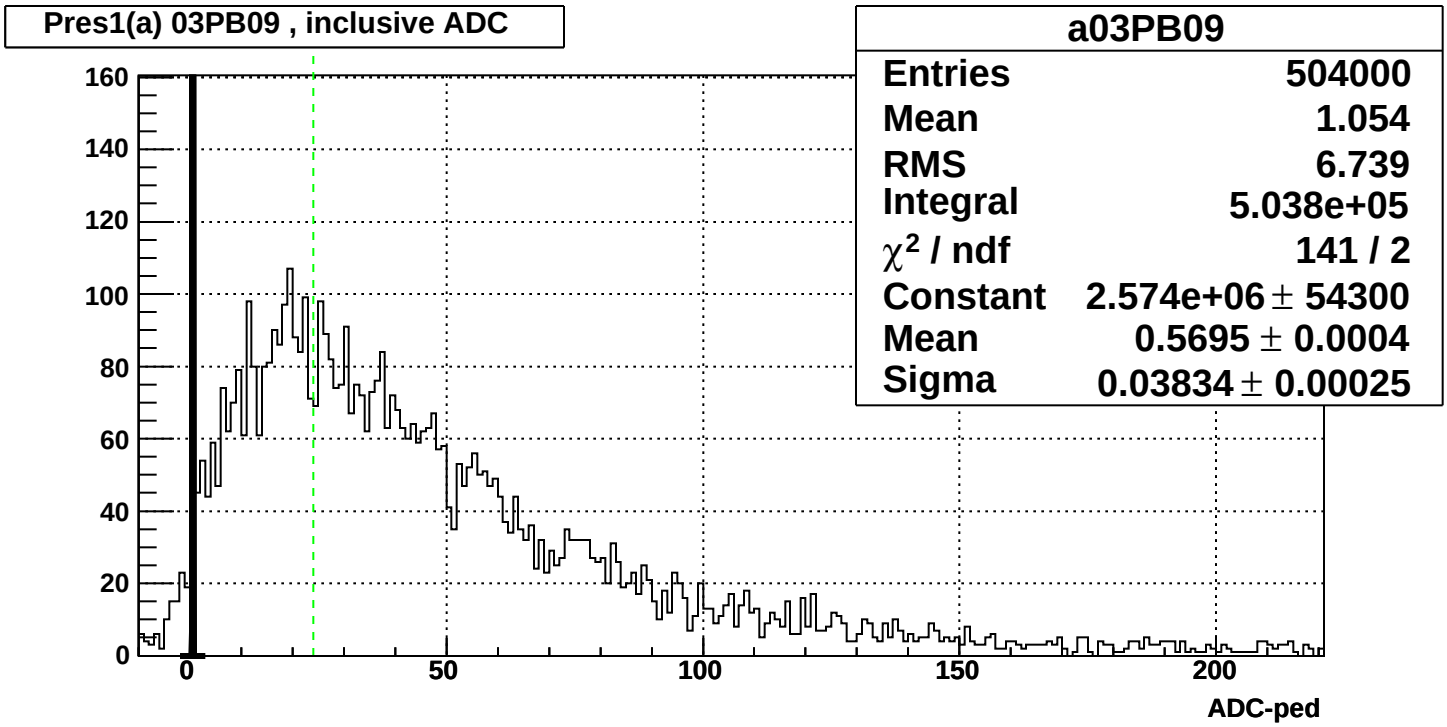

Pres2(d) 02QD09 , ADC, tag: UxV 2*thr
d02QD09
Entries 80
Mean 32.65
RMS 25.72
Integral 80
χ² / ndf 15.21 / 20
ampl-G 3.074 ± 3.806
const-L 29.86 ± 5.46
MPV-L 21.45 ± 3.62
sig-L 10.17 ± 1.90
0
2
4
6
8
10
12
0
50
100
150
200
ADC-ped

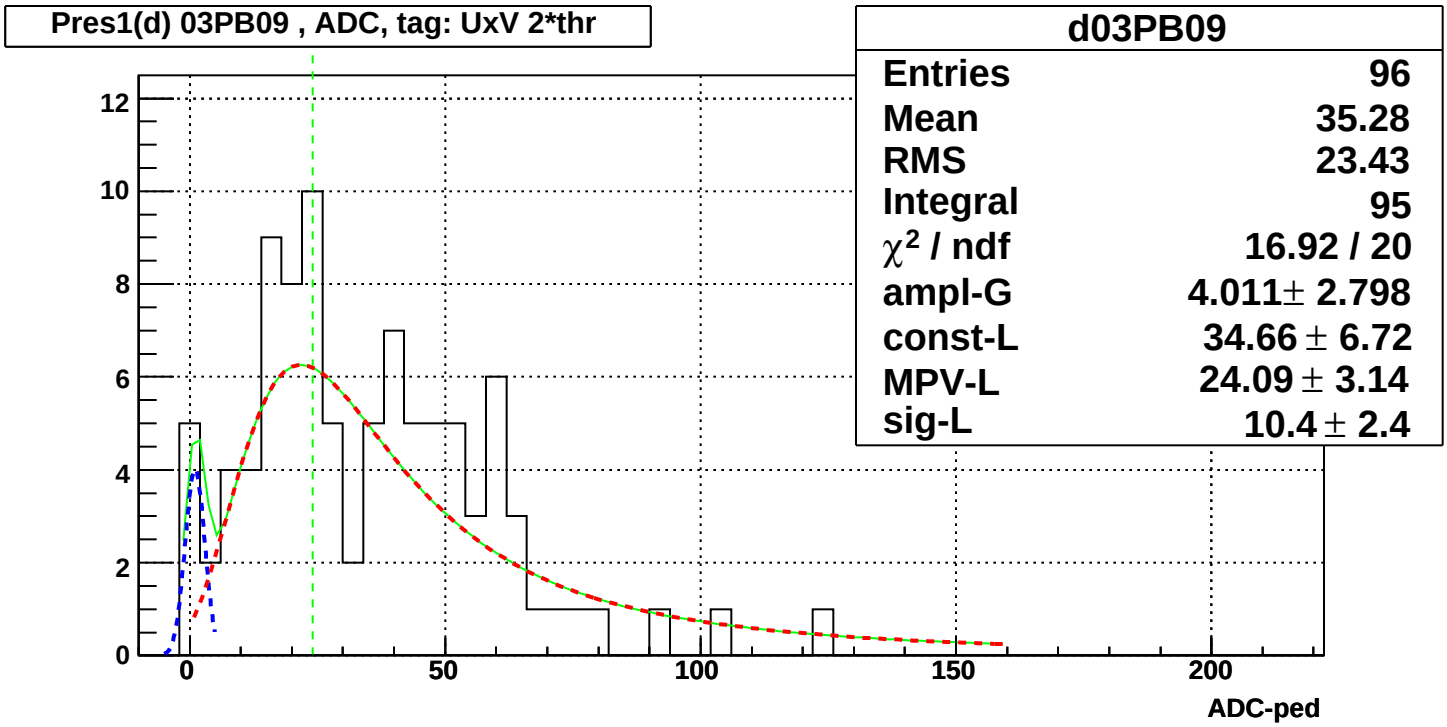

Pres2(a) 02QE09 , inclusive ADC
a02QE09
Entries 504000
Mean 1.165
RMS 7.954
Integral 5.037e+05
χ² / ndf 127 / 2
Constant 2.501e+06 ± 52758
Mean 0.5698 ± 0.0005
Sigma 0.03886 ± 0.00025
0
20
40
60
80
100
120
0
50
100
150
200
ADC-ped

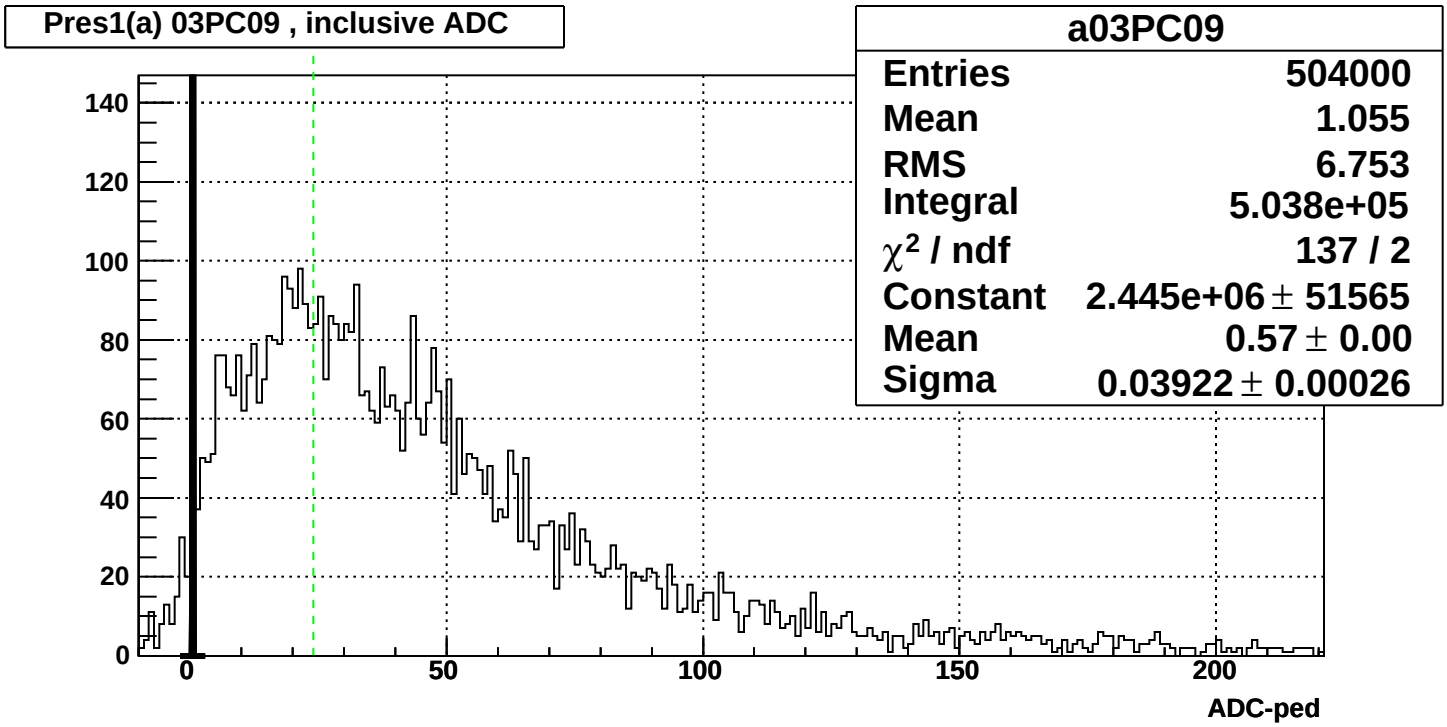

Pres2(d) 02QE09 , ADC, tag: UxV 2*thr
d02QE09
Entries 75
Mean 36.99
RMS 25.55
Integral 73
χ² / ndf 14.21 / 20
ampl-G 0.3667 ± 1.9082
const-L 28.29 ± 5.97
MPV-L 24.34 ± 3.20
sig-L 10.11 ± 2.51
0
2
4
6
8
10
12
14
0
50
100
150
200
ADC-ped

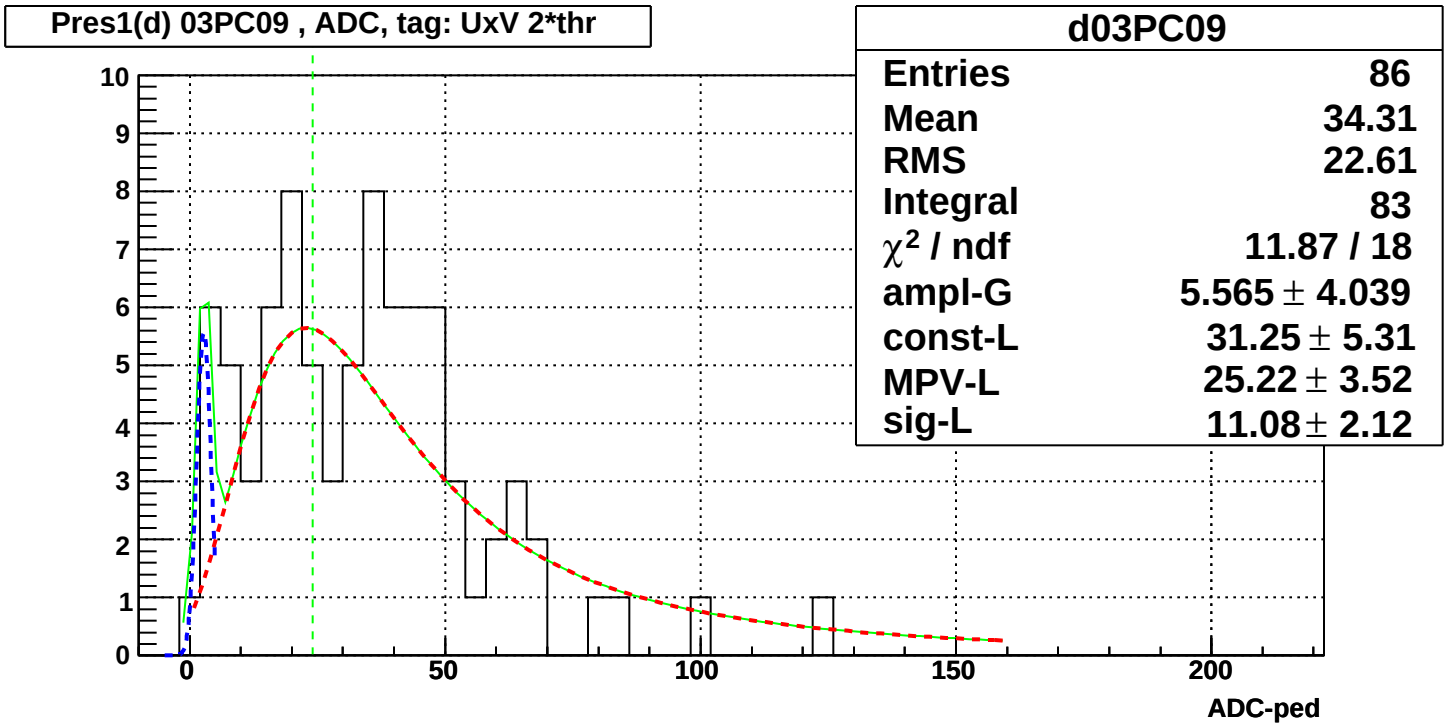

Pres1(a) 03PA09 , inclusive ADC
a03PA09
Entries 504000
Mean 1.072
RMS 6.785
Integral 5.038e+05
χ² / ndf 175 / 2
Constant 2.094e+06 ± 44194
Mean 0.5718 ± 0.0005
Sigma 0.04233 ± 0.00031
ADC-ped

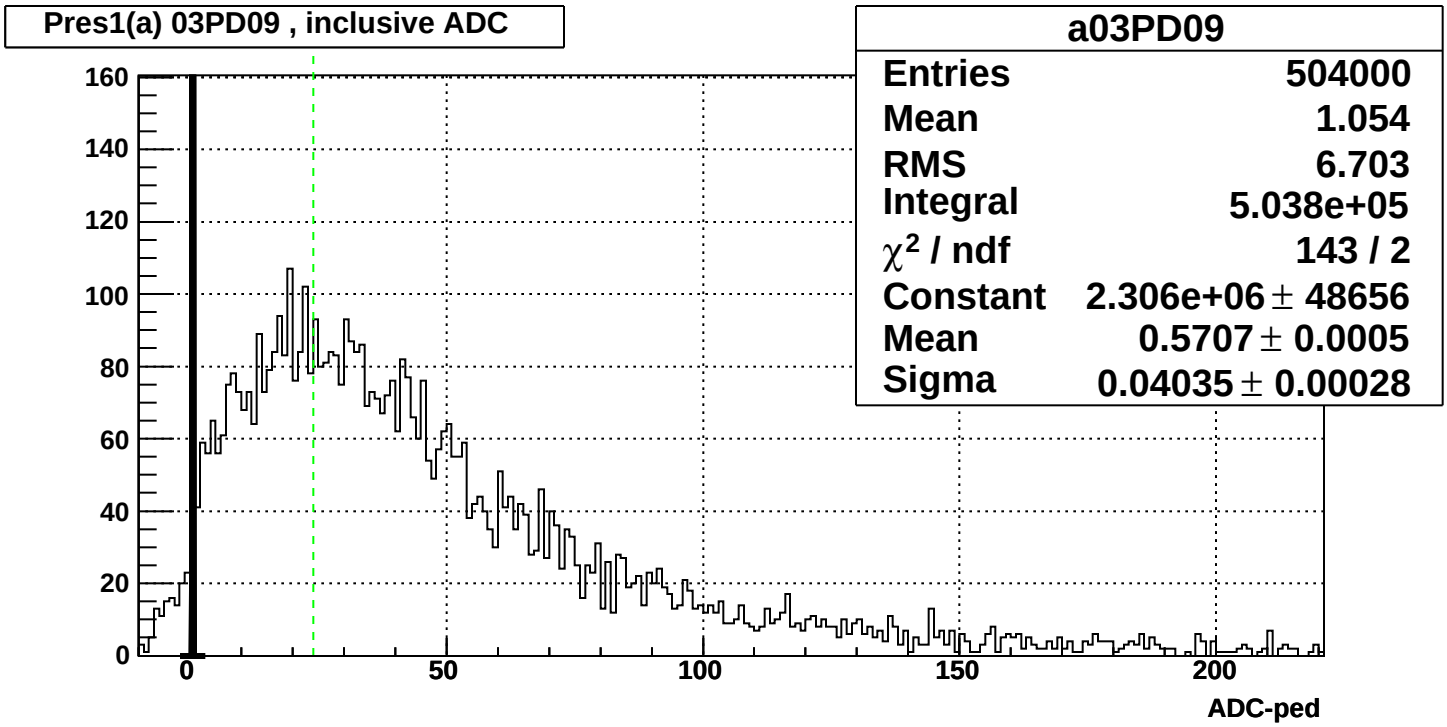

Pres1(d) 03PA09 , ADC, tag: UxV 2*thr
d03PA09
Entries 55
Mean 34.4
RMS 25.61
Integral 55
χ² / ndf 7.848 / 17
ampl-G -2.724 ± 3.300
const-L 5.828e+06 ± 74009424
MPV-L -73.79 ± 46.09
sig-L 0.0679 ± 0.4394
ADC-ped

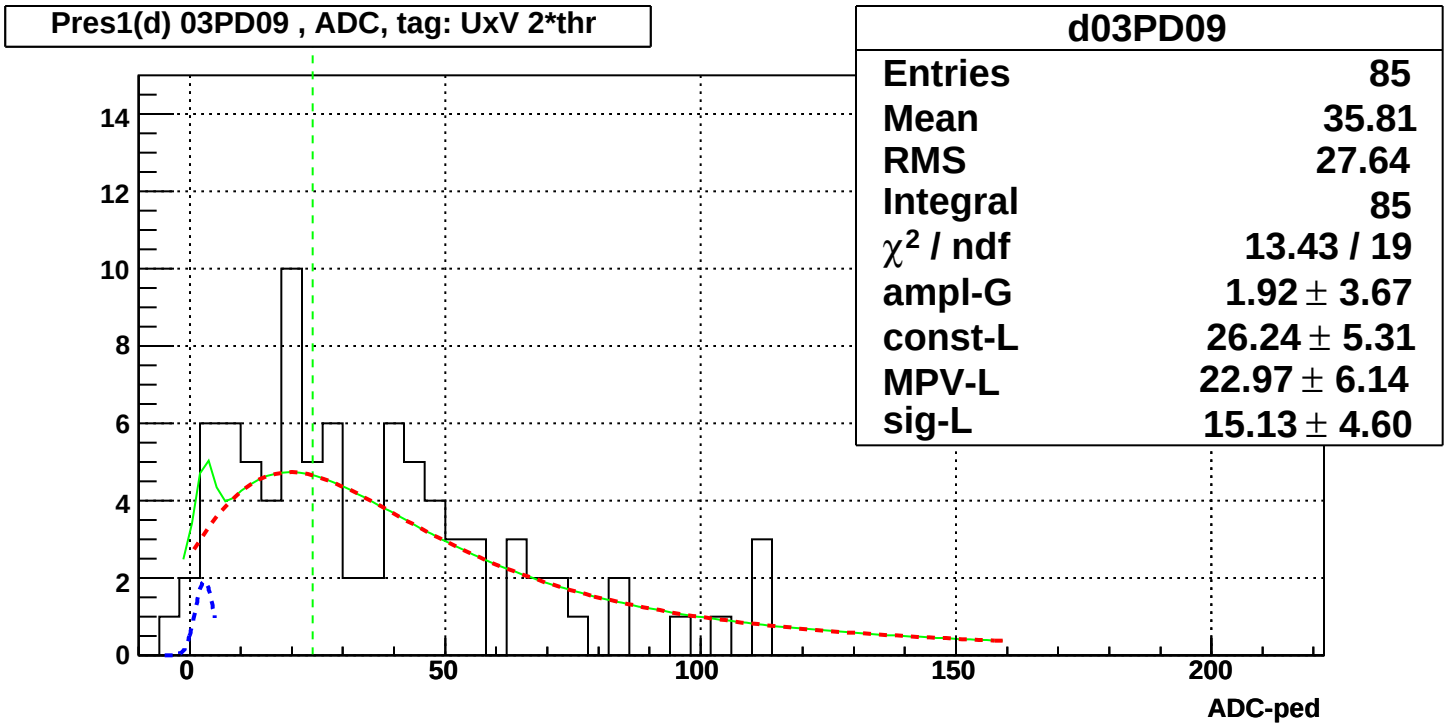

Pres1(a) 03PB09 , inclusive ADC
a03PB09
Entries 504000
Mean 1.054
RMS 6.739
Integral 5.038e+05
χ² / ndf 141 / 2
Constant 2.574e+06 ± 54300
Mean 0.5695 ± 0.0004
Sigma 0.03834 ± 0.00025
ADC-ped

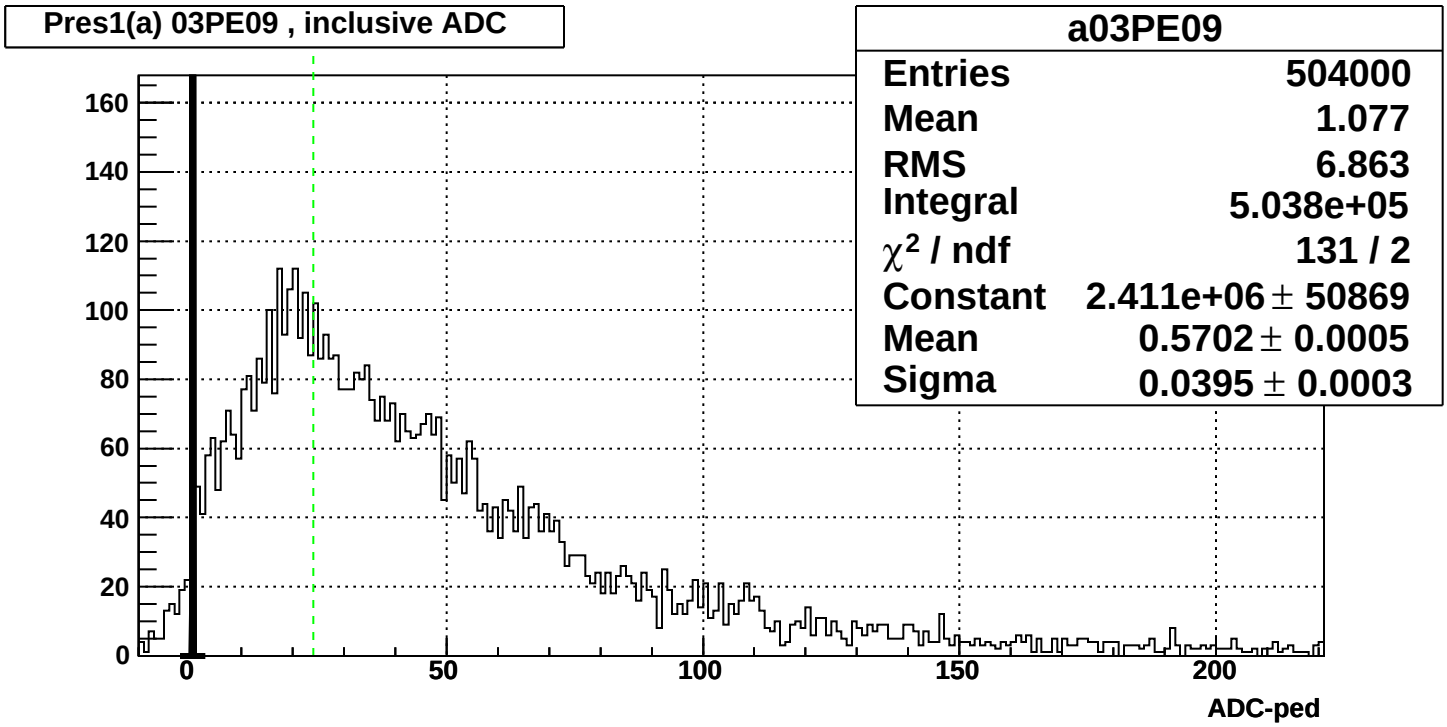

Pres1(d) 03PB09 , ADC, tag: UxV 2*thr
d03PB09
Entries 96
Mean 35.28
RMS 23.43
Integral 95
χ² / ndf 16.92 / 20
ampl-G 4.011± 2.798
const-L 34.66 ± 6.72
MPV-L 24.09 ± 3.14
sig-L 10.4 ± 2.4
ADC-ped

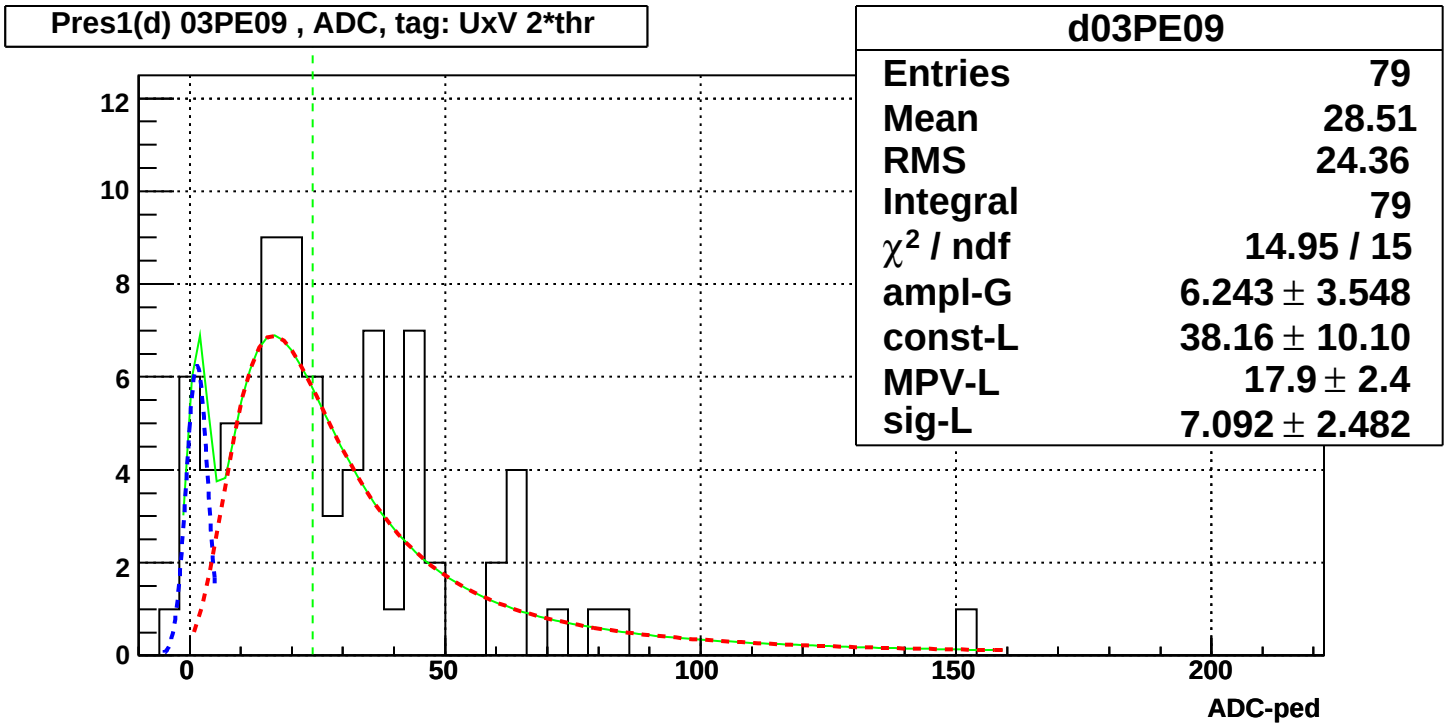

Pres1(a) 03PC09 , inclusive ADC
a03PC09
Entries 504000
Mean 1.055
RMS 6.753
Integral 5.038e+05
χ² / ndf 137 / 2
Constant 2.445e+06 ± 51565
Mean 0.57 ± 0.00
Sigma 0.03922 ± 0.00026
ADC-ped

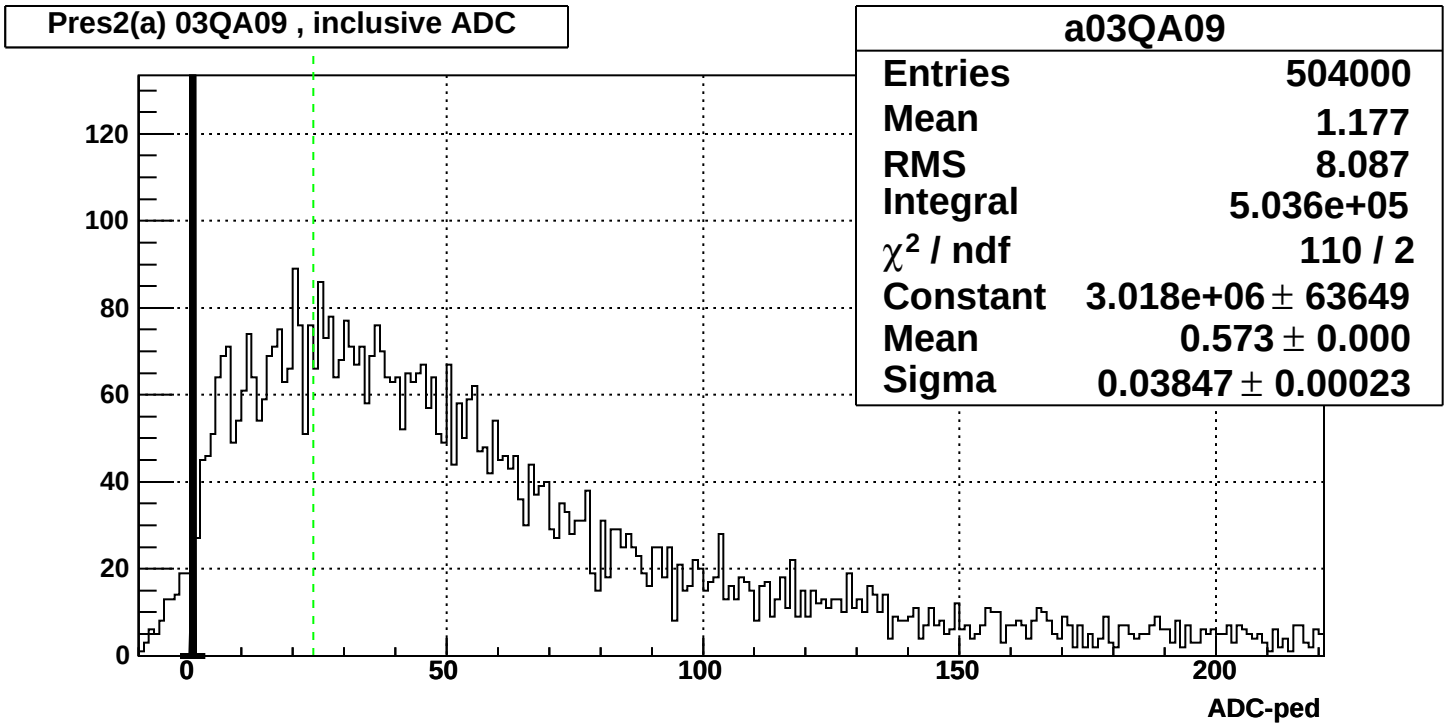

Pres1(d) 03PC09 , ADC, tag: UxV 2*thr
d03PC09
Entries 86
Mean 34.31
RMS 22.61
Integral 83
χ² / ndf 11.87 / 18
ampl-G 5.565 ± 4.039
const-L 31.25 ± 5.31
MPV-L 25.22 ± 3.52
sig-L 11.08 ± 2.12
ADC-ped

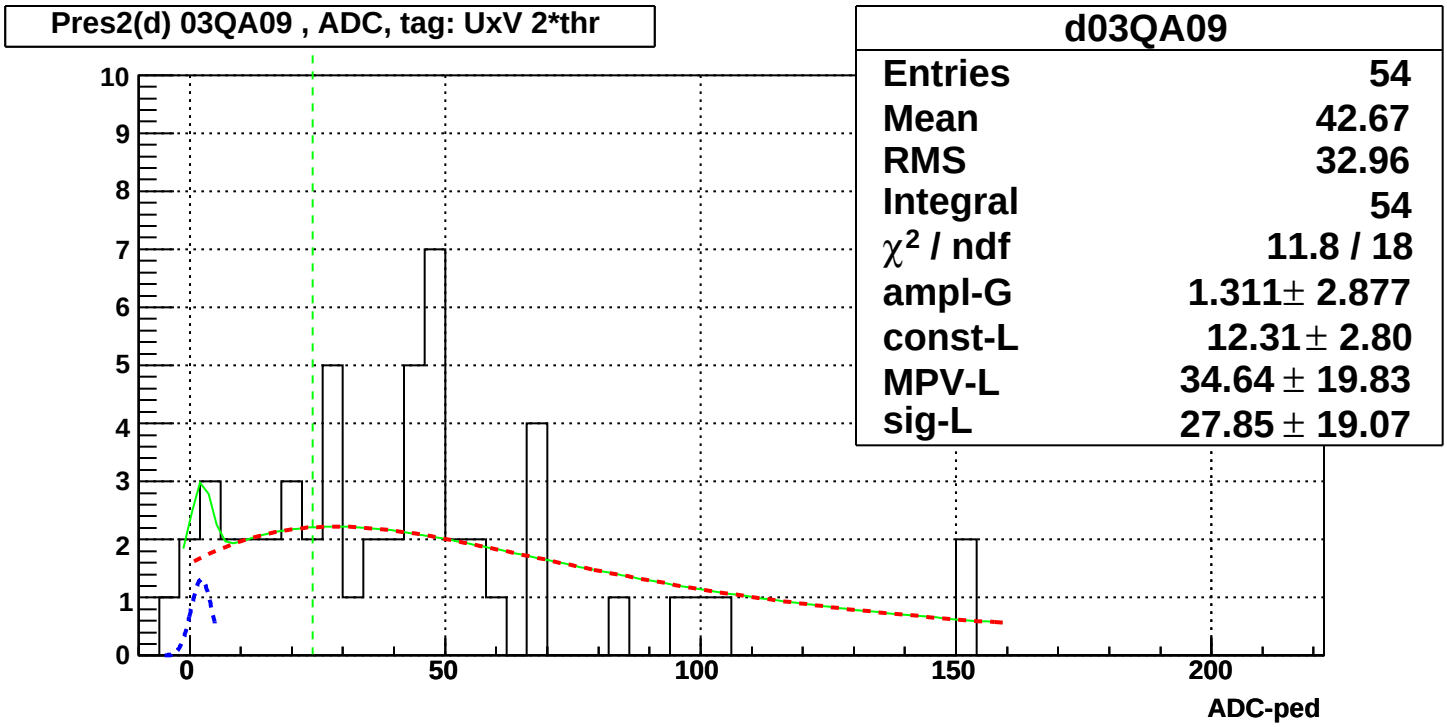

Pres1(a) 03PD09 , inclusive ADC
a03PD09
Entries 504000
Mean 1.054
RMS 6.703
Integral 5.038e+05
χ² / ndf 143 / 2
Constant 2.306e+06 ± 48656
Mean 0.5707 ± 0.0005
Sigma 0.04035 ± 0.00028
ADC-ped

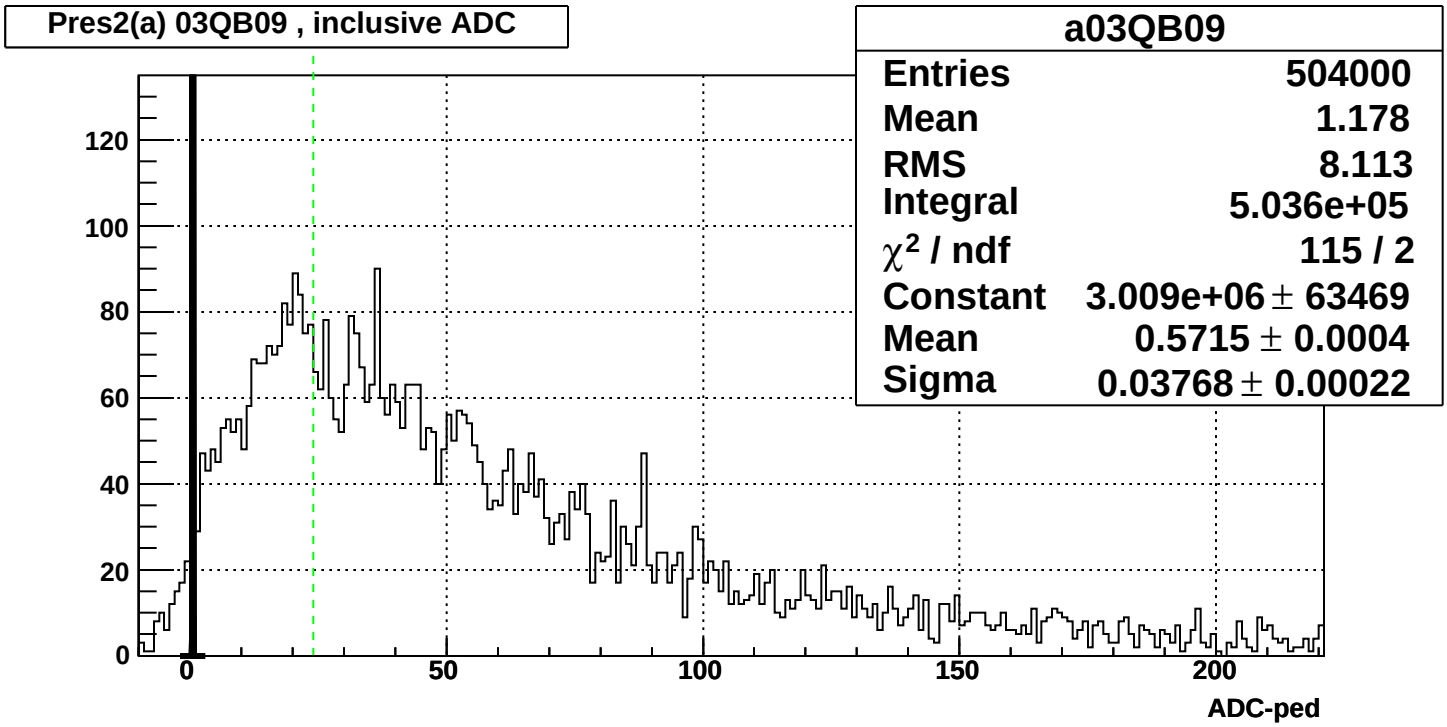

Pres1(d) 03PD09 , ADC, tag: UxV 2*thr
d03PD09
Entries 85
Mean 35.81
RMS 27.64
Integral 85
χ² / ndf 13.43 / 19
ampl-G 1.92 ± 3.67
const-L 26.24 ± 5.31
MPV-L 22.97 ± 6.14
sig-L 15.13 ± 4.60
ADC-ped

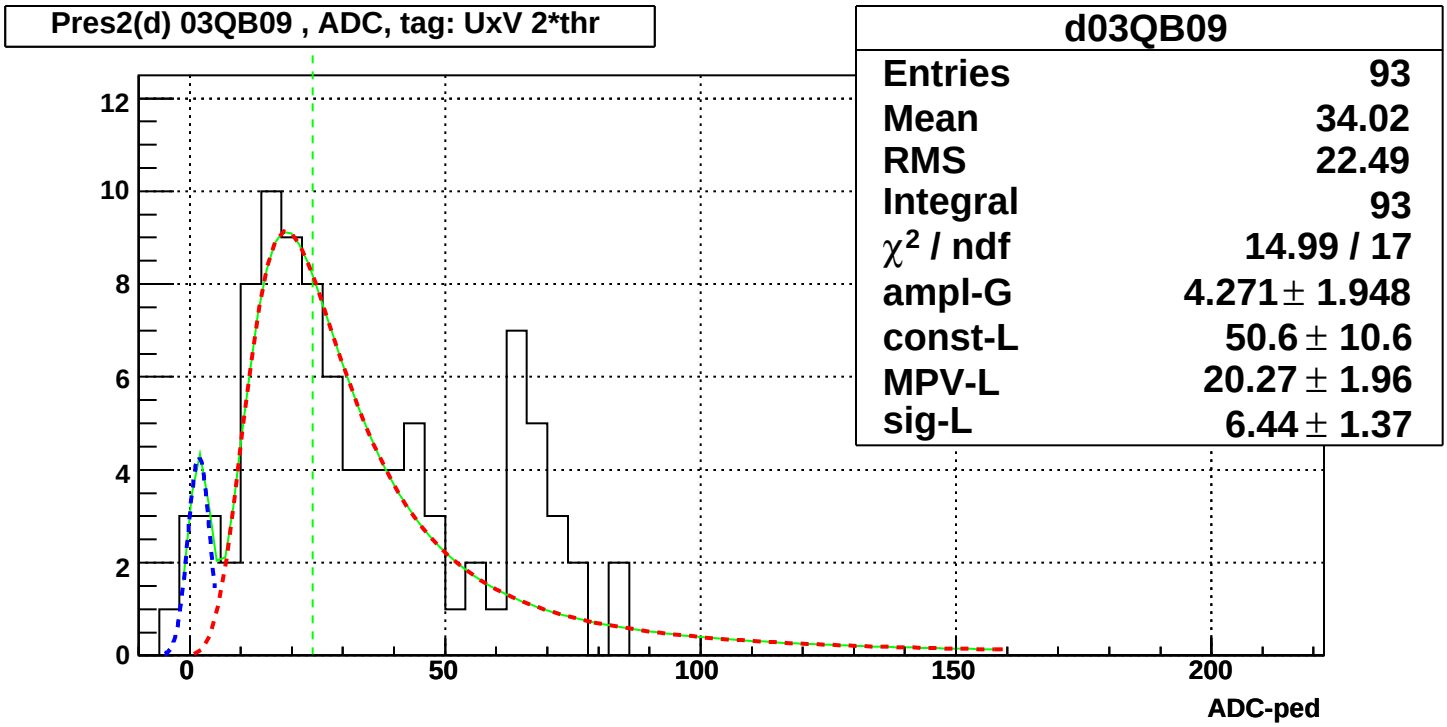

Pres1(a) 03PE09 , inclusive ADC
a03PE09
Entries 504000
Mean 1.077
RMS 6.863
Integral 5.038e+05
χ² / ndf 131 / 2
Constant 2.411e+06 ± 50869
Mean 0.5702 ± 0.0005
Sigma 0.0395 ± 0.0003
ADC-ped

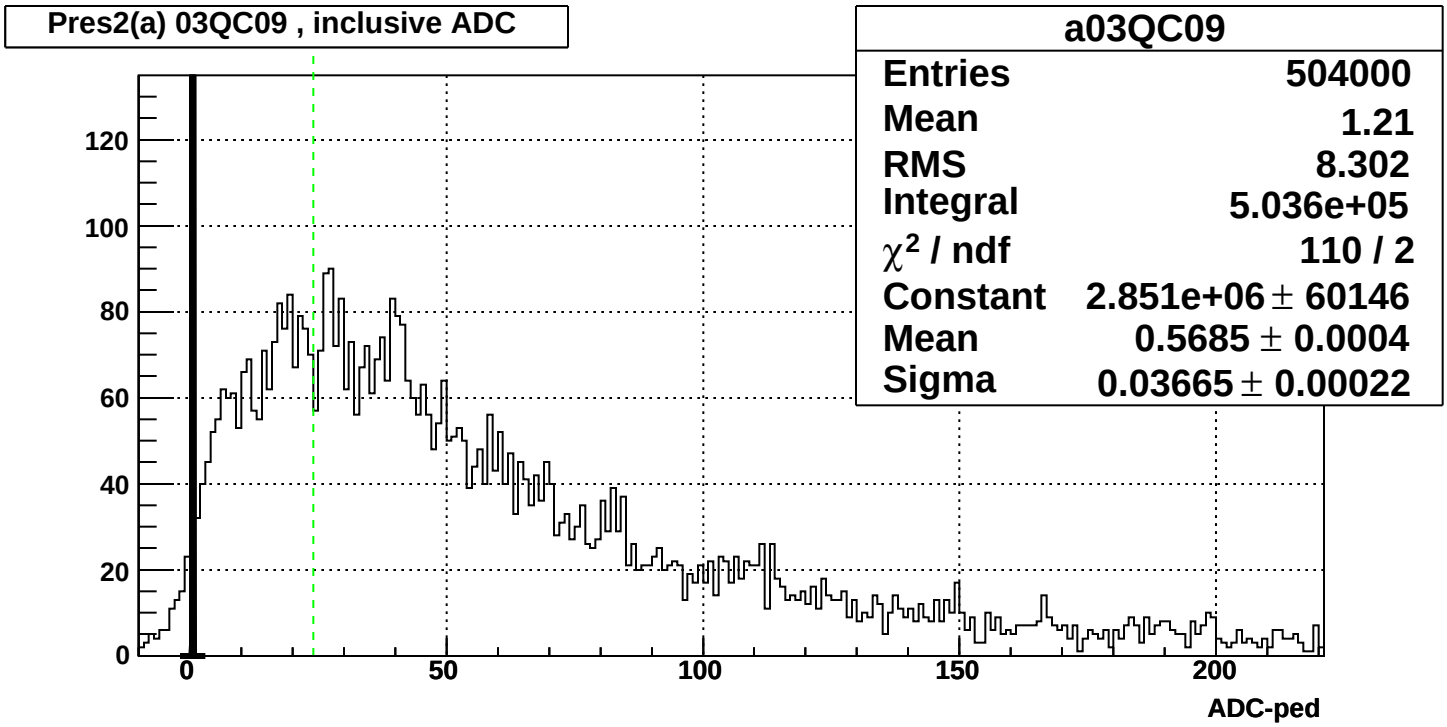

Pres1(d) 03PE09 , ADC, tag: UxV 2*thr
d03PE09
Entries 79
Mean 28.51
RMS 24.36
Integral 79
χ² / ndf 14.95 / 15
ampl-G 6.243 ± 3.548
const-L 38.16 ± 10.10
MPV-L 17.9 ± 2.4
sig-L 7.092 ± 2.482
ADC-ped

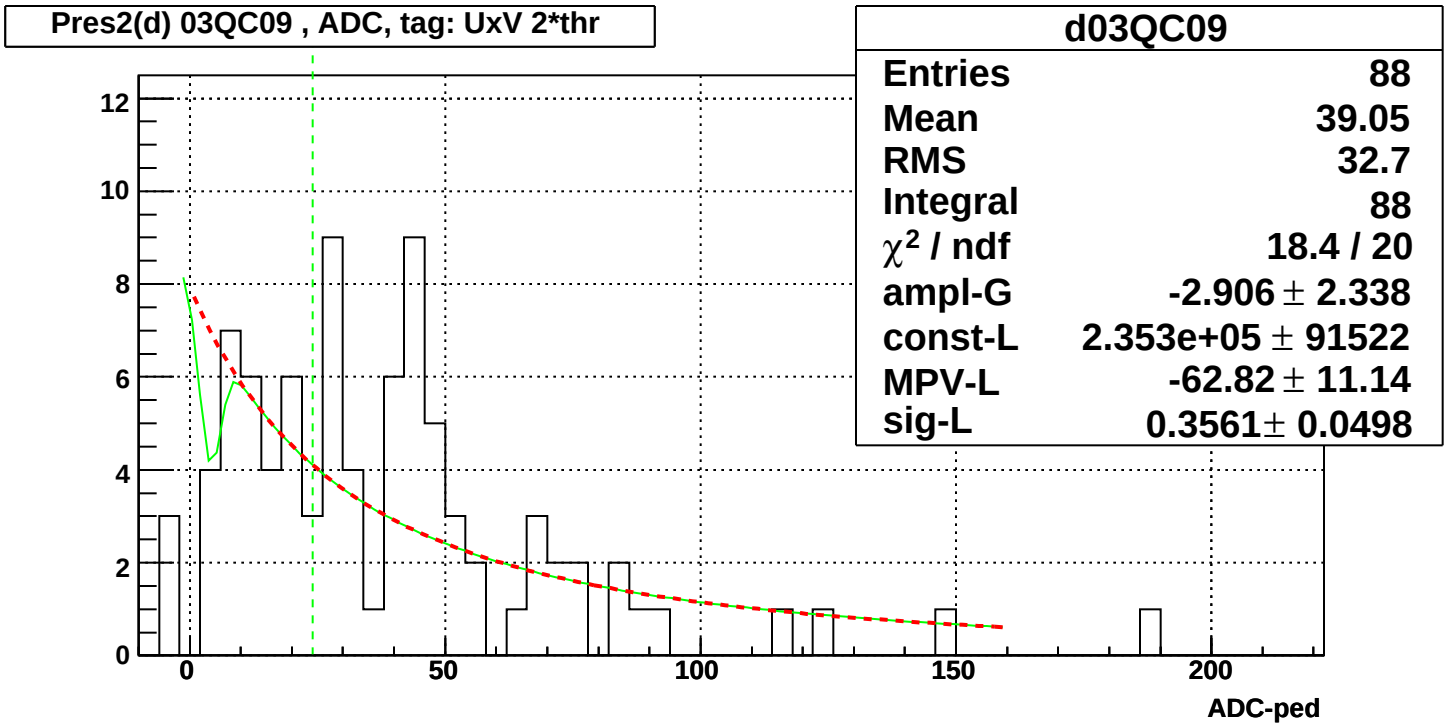

Pres2(a) 03QA09 , inclusive ADC
a03QA09
Entries 504000
Mean 1.177
RMS 8.087
Integral 5.036e+05
χ² / ndf 110 / 2
Constant 3.018e+06 ± 63649
Mean 0.573 ± 0.000
Sigma 0.03847 ± 0.00023
ADC-ped

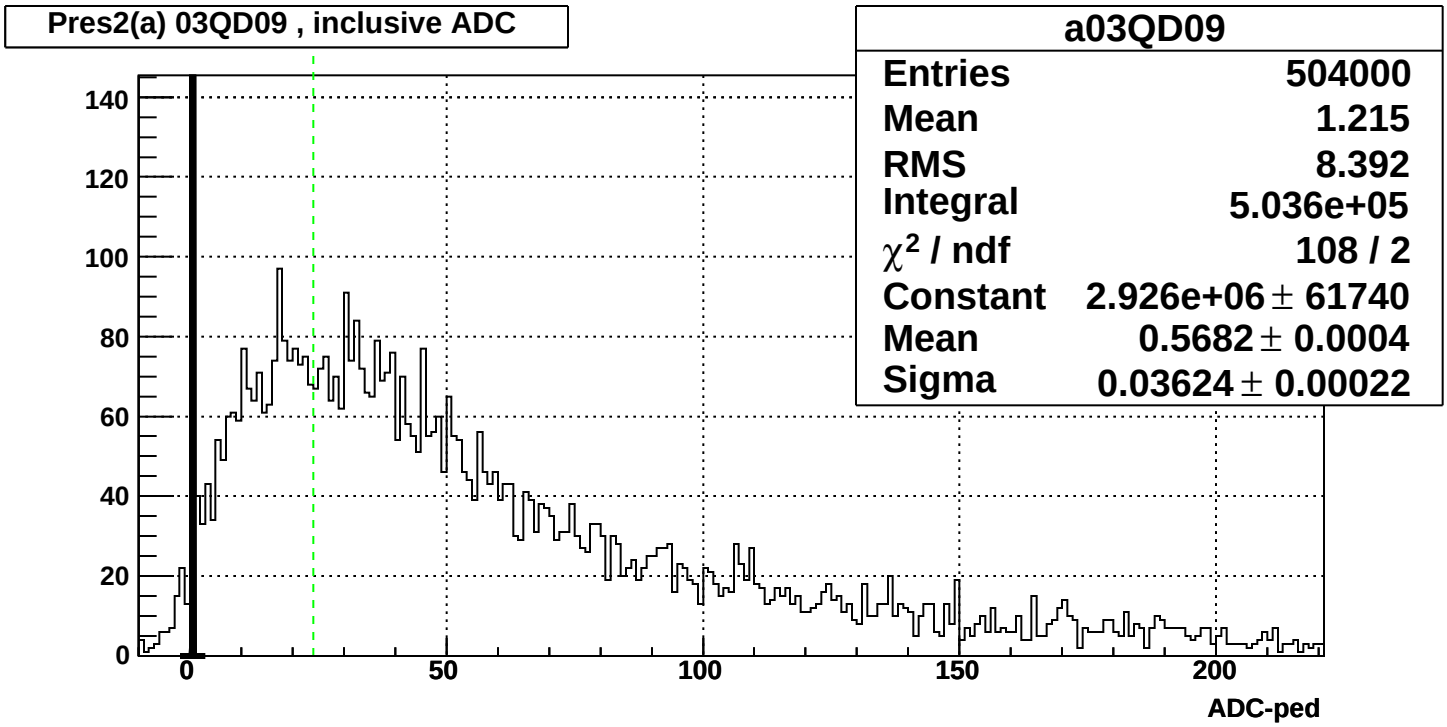

Pres2(d) 03QA09 , ADC, tag: UxV 2*thr
d03QA09
Entries 54
Mean 42.67
RMS 32.96
Integral 54
χ² / ndf 11.8 / 18
ampl-G 1.311± 2.877
const-L 12.31± 2.80
MPV-L 34.64 ± 19.83
sig-L 27.85 ± 19.07
ADC-ped

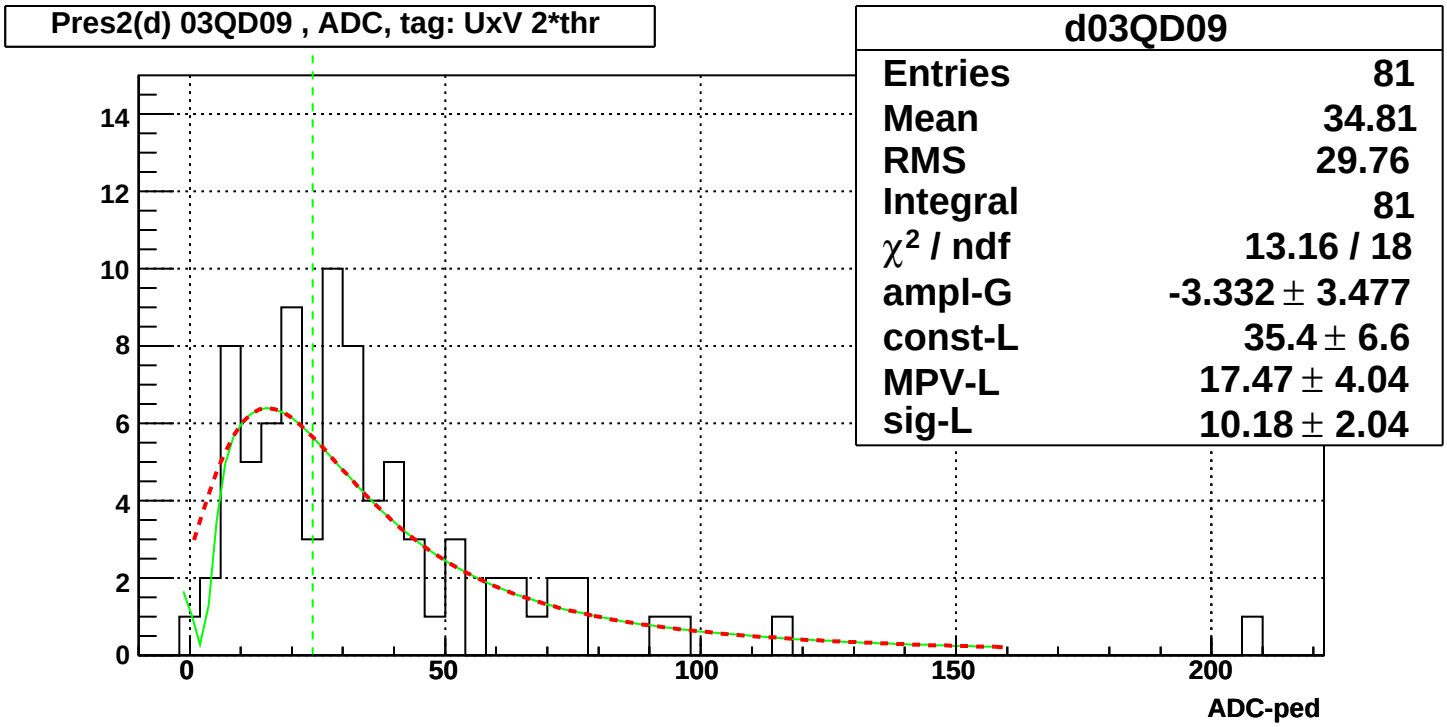

Pres2(a) 03QB09 , inclusive ADC
a03QB09
Entries 504000
Mean 1.178
RMS 8.113
Integral 5.036e+05
χ² / ndf 115 / 2
Constant 3.009e+06 ± 63469
Mean 0.5715 ± 0.0004
Sigma 0.03768 ± 0.00022
0
20
40
60
80
100
120
0
50
100
150
200
ADC-ped

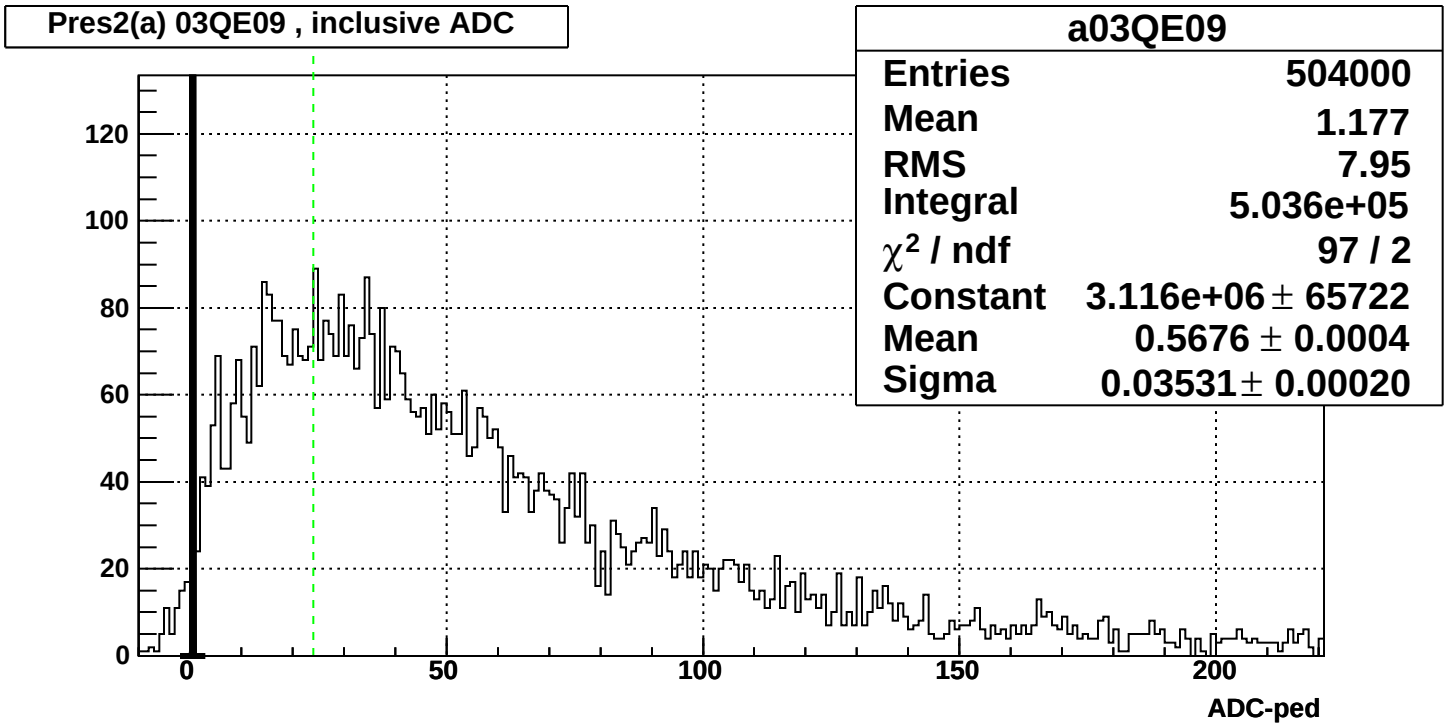

Pres2(d) 03QB09 , ADC, tag: UxV 2*thr
d03QB09
Entries 93
Mean 34.02
RMS 22.49
Integral 93
χ² / ndf 14.99 / 17
ampl-G 4.271 ± 1.948
const-L 50.6 ± 10.6
MPV-L 20.27 ± 1.96
sig-L 6.44 ± 1.37
0
2
4
6
8
10
12
0
50
100
150
200
ADC-ped

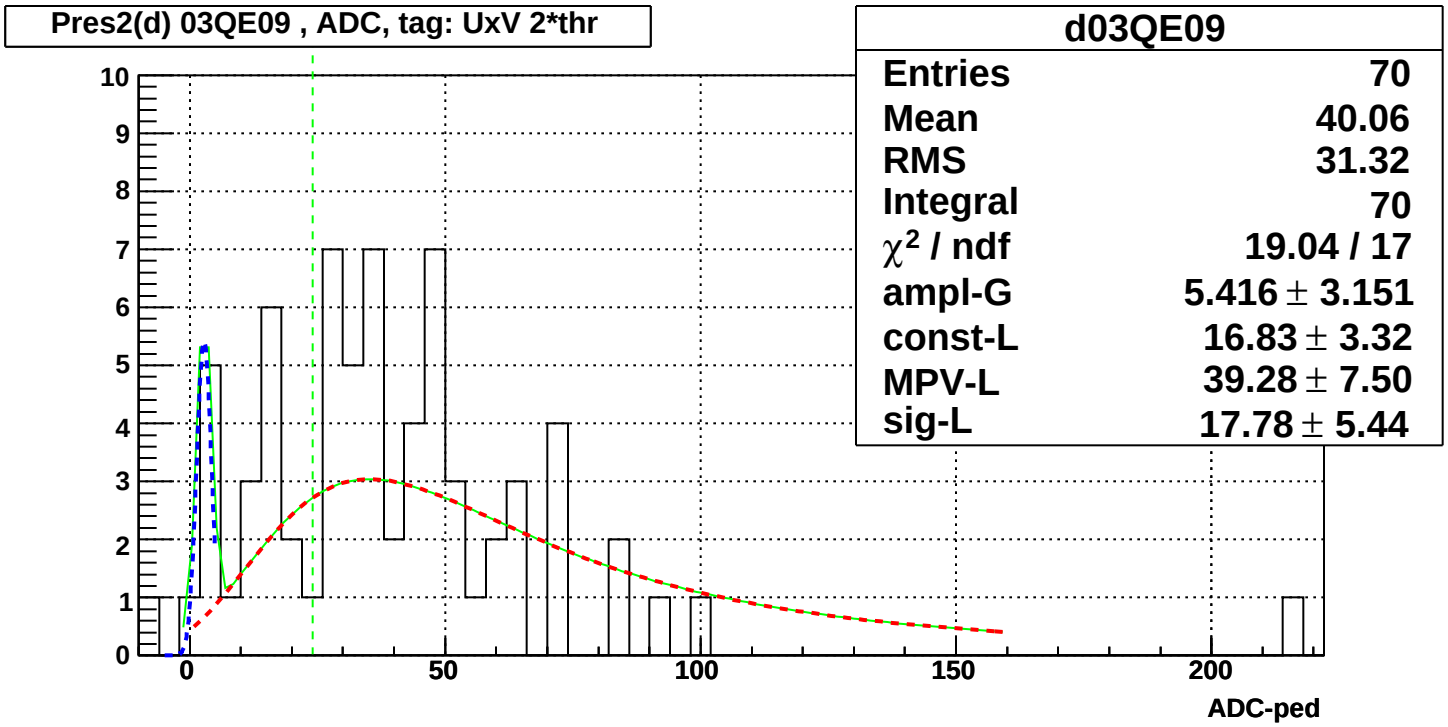

Pres2(a) 03QC09 , inclusive ADC
a03QC09
Entries 504000
Mean 1.21
RMS 8.302
Integral 5.036e+05
χ² / ndf 110 / 2
Constant 2.851e+06 ± 60146
Mean 0.5685 ± 0.0004
Sigma 0.03665 ± 0.00022
ADC-ped

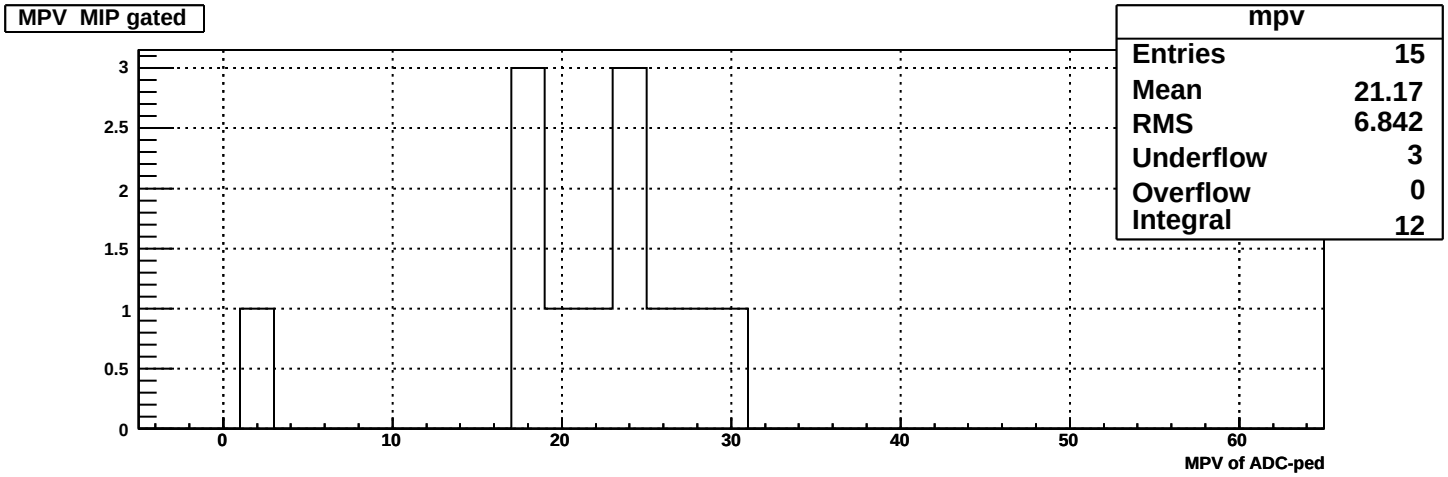

Pres2(d) 03QC09 , ADC, tag: UxV 2*thr
d03QC09
Entries 88
Mean 39.05
RMS 32.7
Integral 88
χ² / ndf 18.4 / 20
ampl-G -2.906 ± 2.338
const-L 2.353e+05 ± 91522
MPV-L -62.82 ± 11.14
sig-L 0.3561± 0.0498
ADC-ped

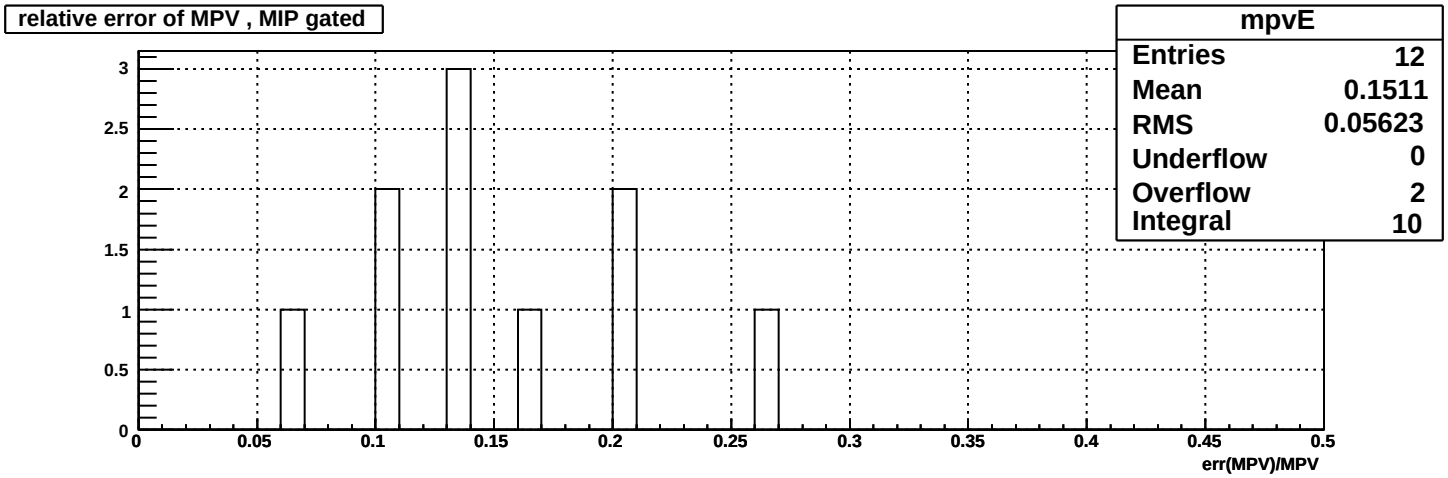

Pres2(a) 03QD09 , inclusive ADC
a03QD09
Entries 504000
Mean 1.215
RMS 8.392
Integral 5.036e+05
χ² / ndf 108 / 2
Constant 2.926e+06 ± 61740
Mean 0.5682 ± 0.0004
Sigma 0.03624 ± 0.00022
ADC-ped

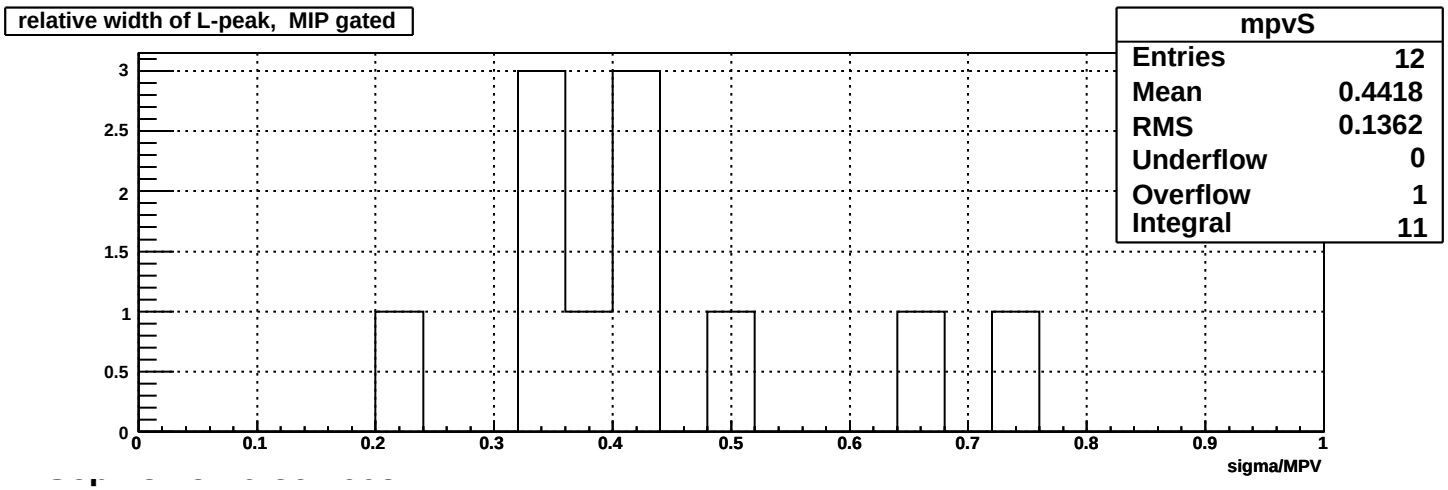

Pres2(d) 03QD09 , ADC, tag: UxV 2*thr
d03QD09
Entries 81
Mean 34.81
RMS 29.76
Integral 81
χ² / ndf 13.16 / 18
ampl-G -3.332 ± 3.477
const-L 35.4 ± 6.6
MPV-L 17.47 ± 4.04
sig-L 10.18 ± 2.04
ADC-ped


Pres2(a) 03QE09 , inclusive ADC
a03QE09
Entries 504000
Mean 1.177
RMS 7.95
Integral 5.036e+05
χ² / ndf 97 / 2
Constant 3.116e+06 ± 65722
Mean 0.5676 ± 0.0004
Sigma 0.03531 ± 0.00020
ADC-ped


Pres2(d) 03QE09 , ADC, tag: UxV 2*thr
d03QE09
Entries 70
Mean 40.06
RMS 31.32
Integral 70
χ² / ndf 19.04 / 17
ampl-G 5.416 ± 3.151
const-L 16.83 ± 3.32
MPV-L 39.28 ± 7.50
sig-L 17.78 ± 5.44
ADC-ped


MPV MIP gated
mpv
Entries 15
Mean 21.17
RMS 6.842
Underflow 3
Overflow 0
Integral 12
MPV of ADC-ped


relative error of MPV , MIP gated
mpvE
Entries 12
Mean 0.1511
RMS 0.05623
Underflow 0
Overflow 2
Integral 10
err(MPV)/MPV


relative width of L-peak, MIP gated
mpvS
Entries 12
Mean 0.4418
RMS 0.1362
Underflow 0
Overflow 1
Integral 11
sigma/MPV