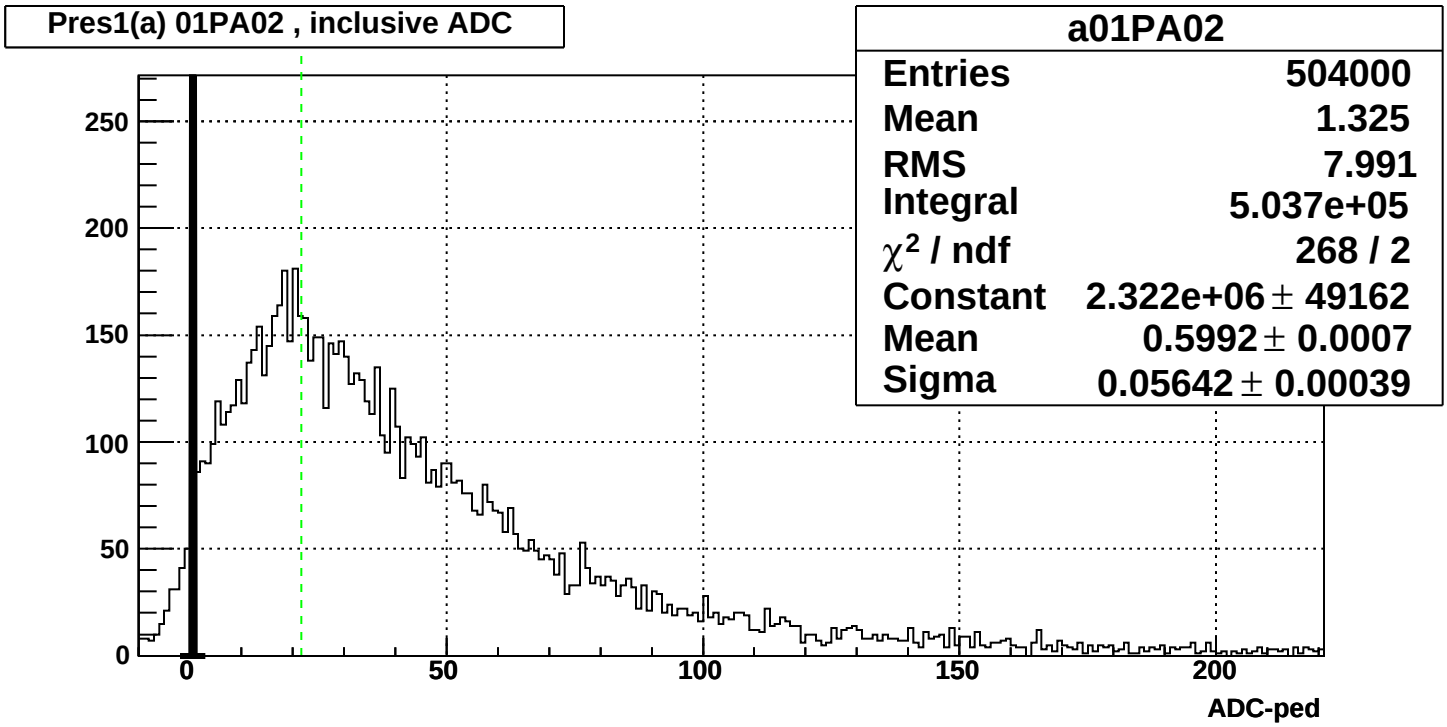
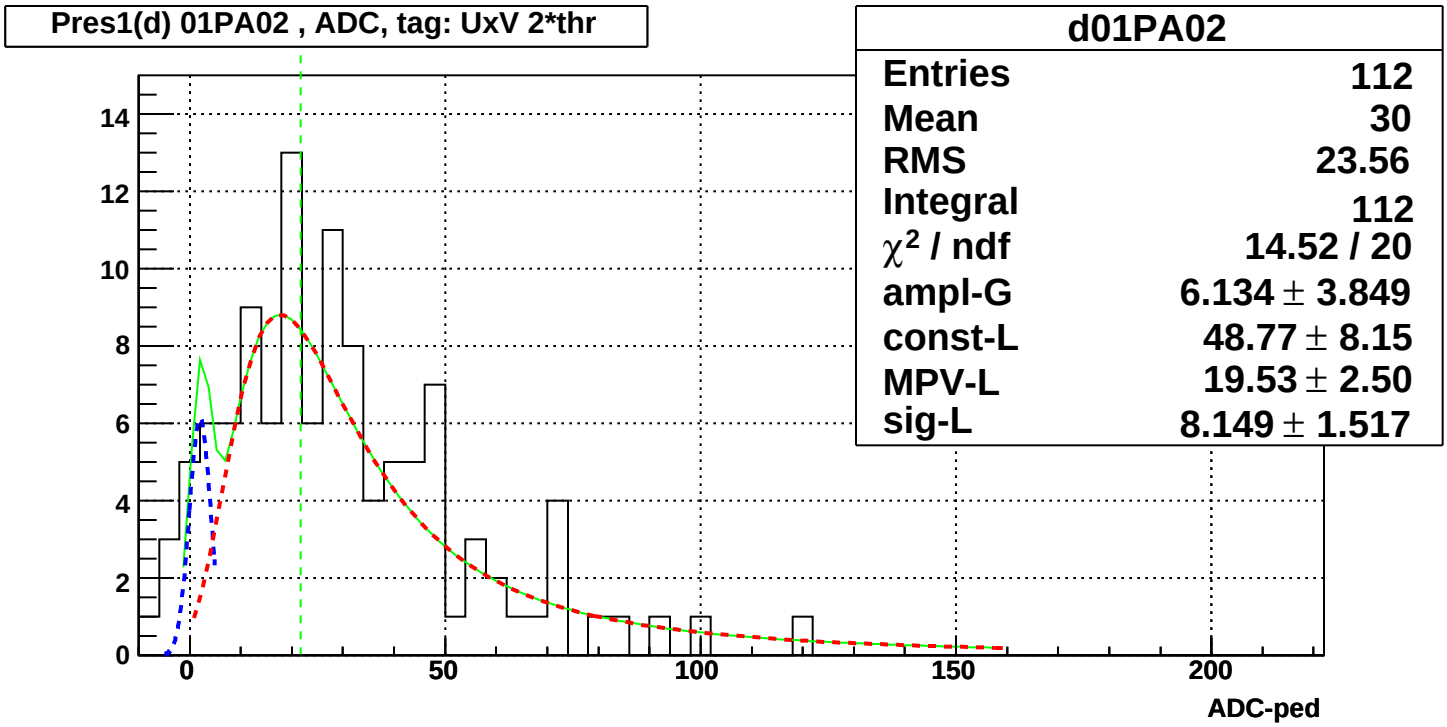
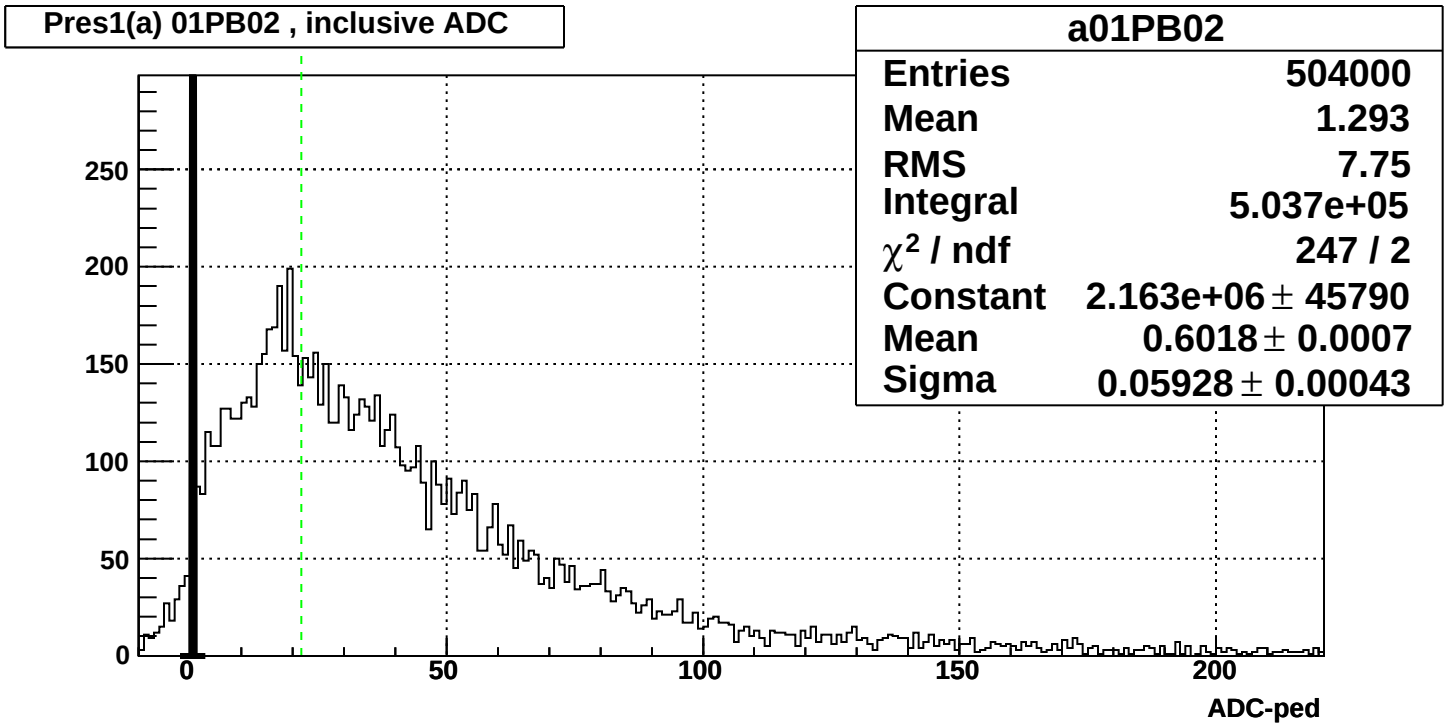
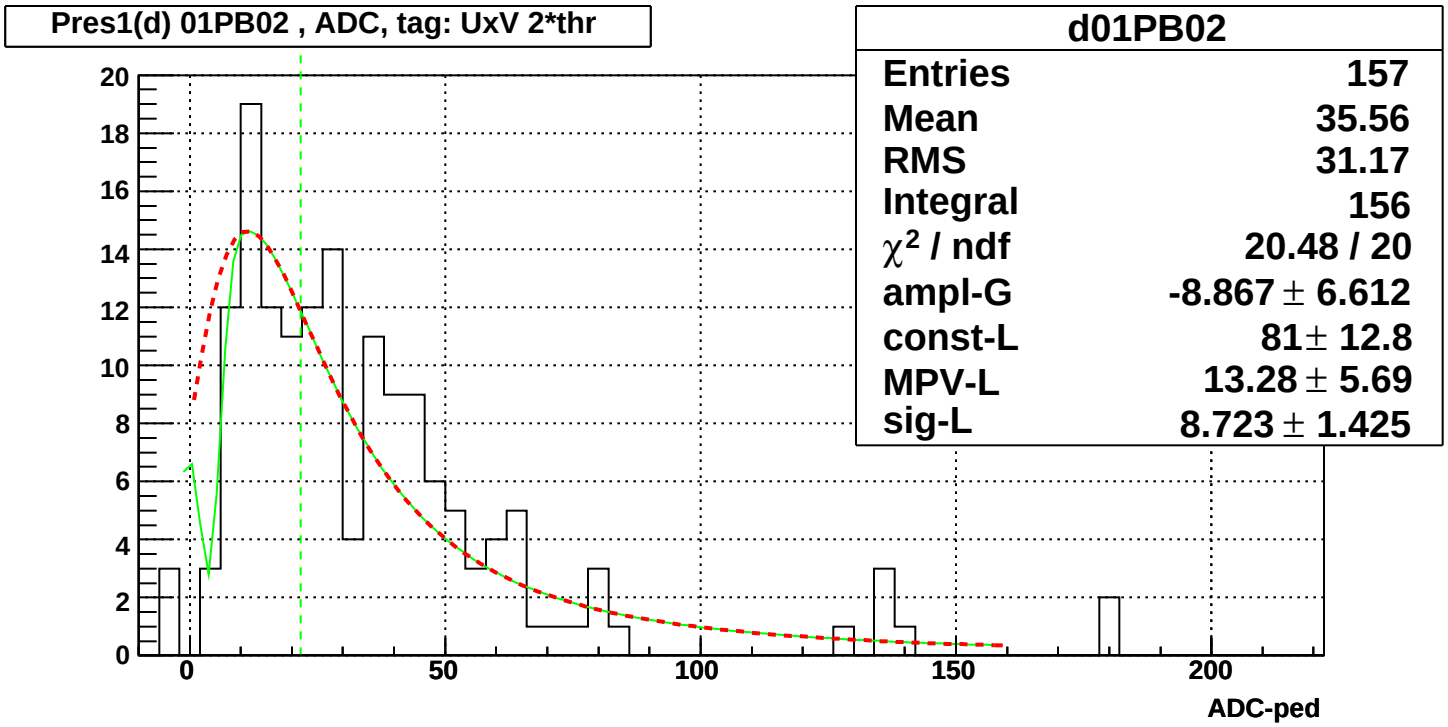
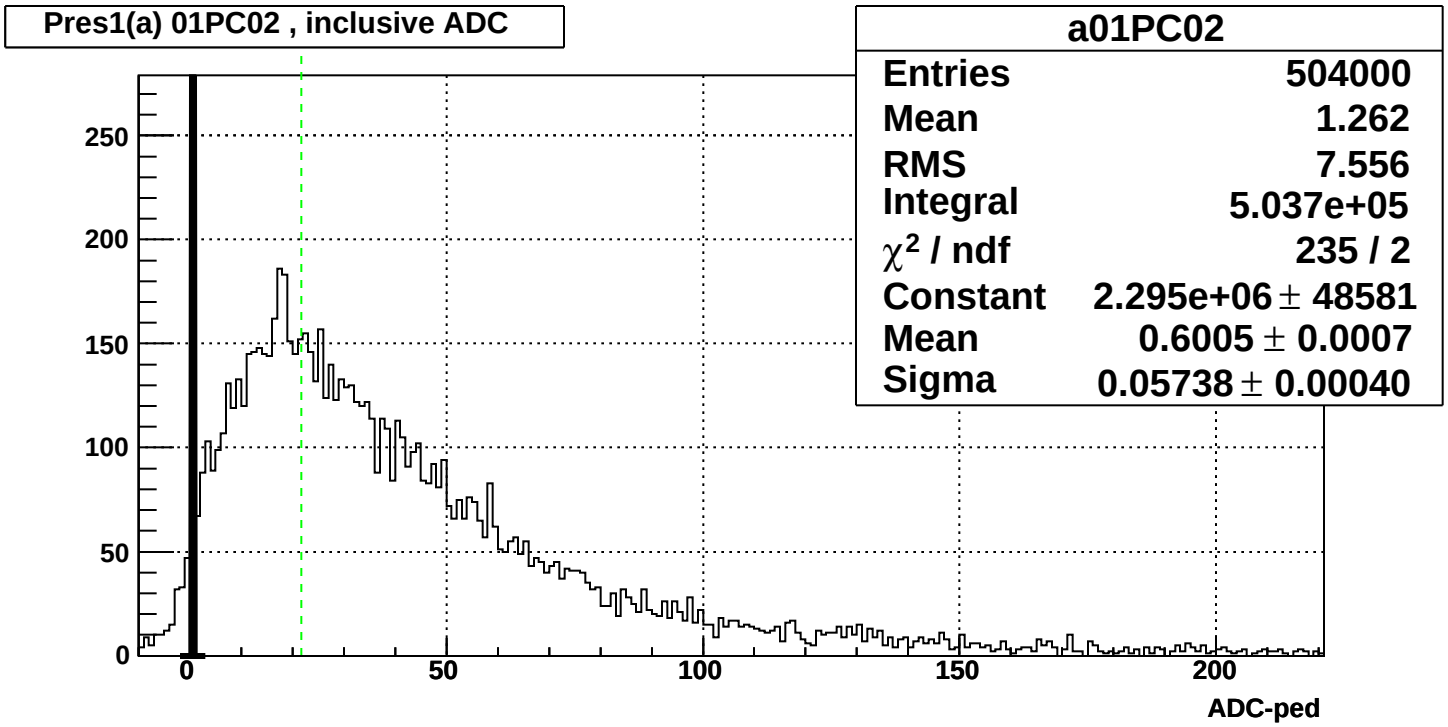
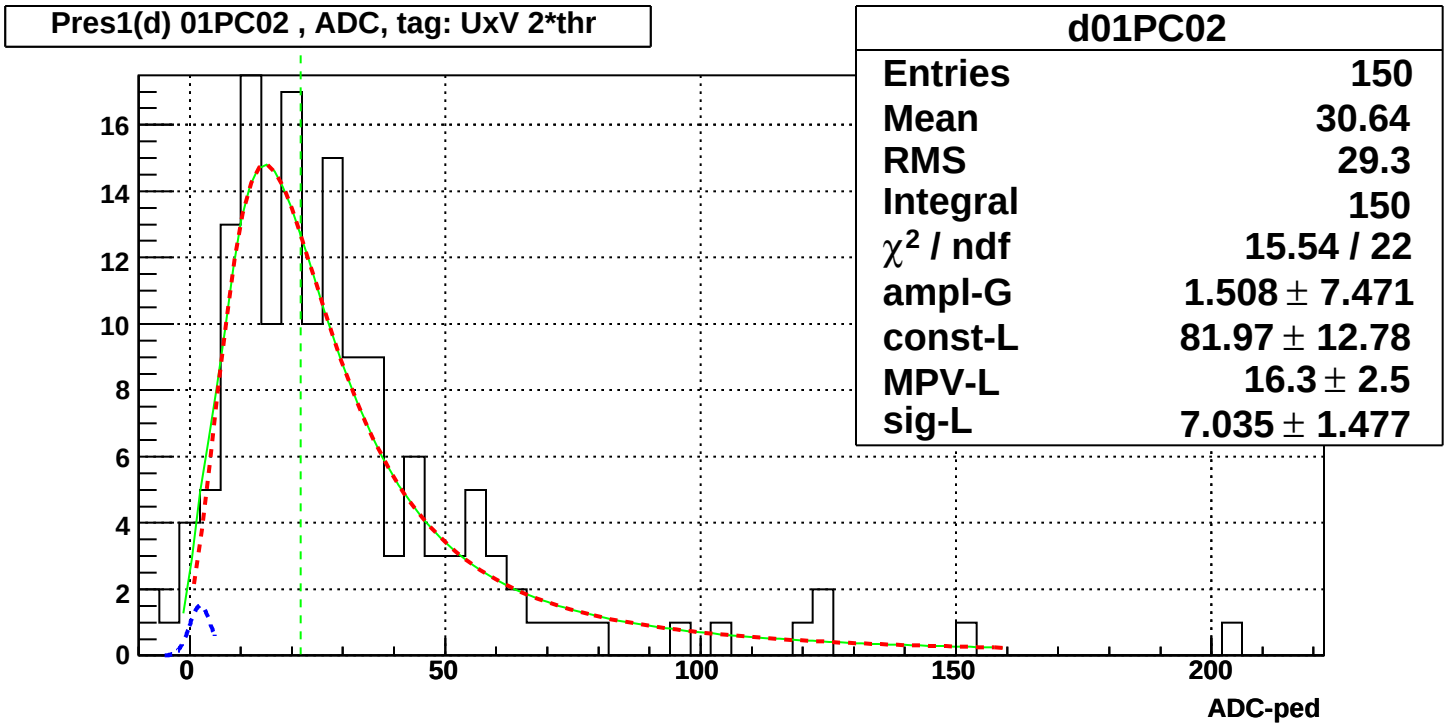

Pres1(a) 01PA02 , inclusive ADC
a01PA02
Entries 504000
Mean 1.325
RMS 7.991
Integral 5.037e+05
χ² / ndf 268 / 2
Constant 2.322e+06 ± 49162
Mean 0.5992 ± 0.0007
Sigma 0.05642 ± 0.00039
ADC-ped

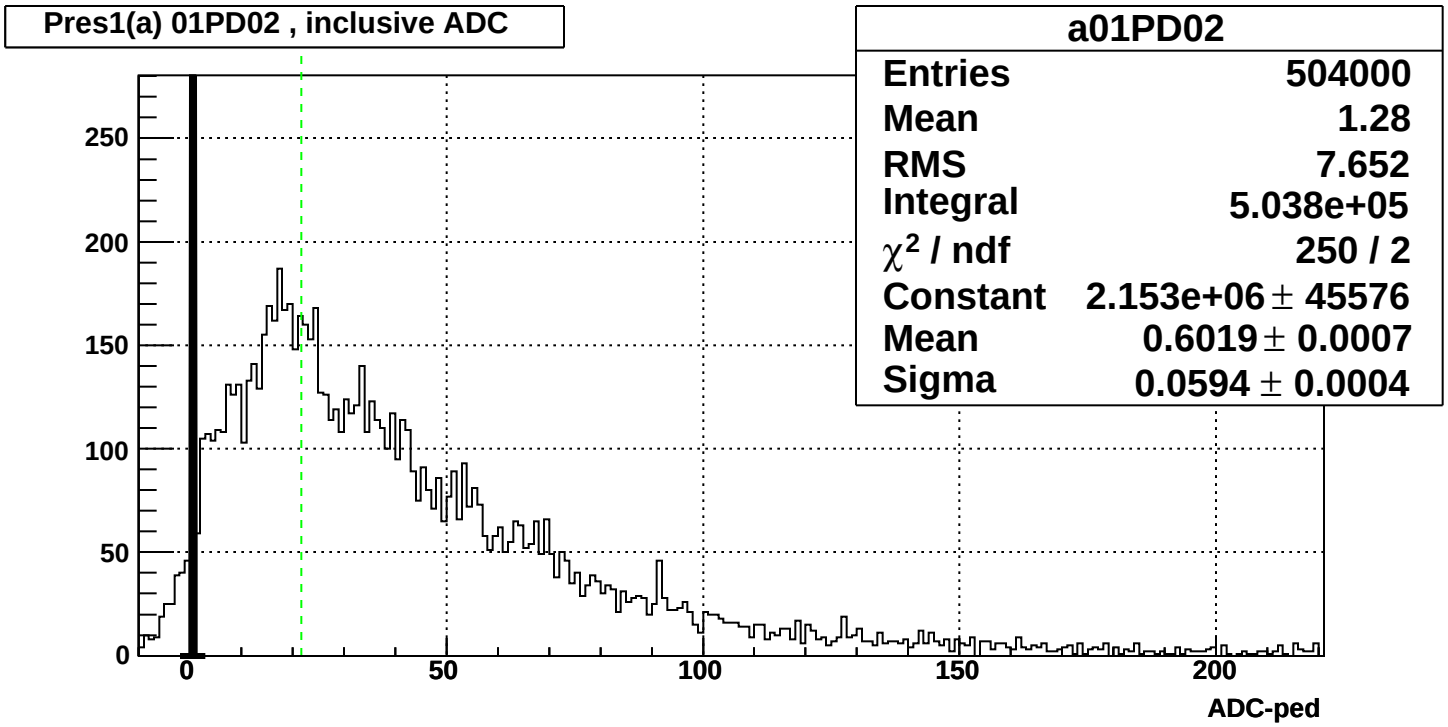

Pres1(d) 01PA02 , ADC, tag: UxV 2*thr
d01PA02
Entries 112
Mean 30
RMS 23.56
Integral 112
χ² / ndf 14.52 / 20
ampl-G 6.134 ± 3.849
const-L 48.77 ± 8.15
MPV-L 19.53 ± 2.50
sig-L 8.149 ± 1.517
ADC-ped

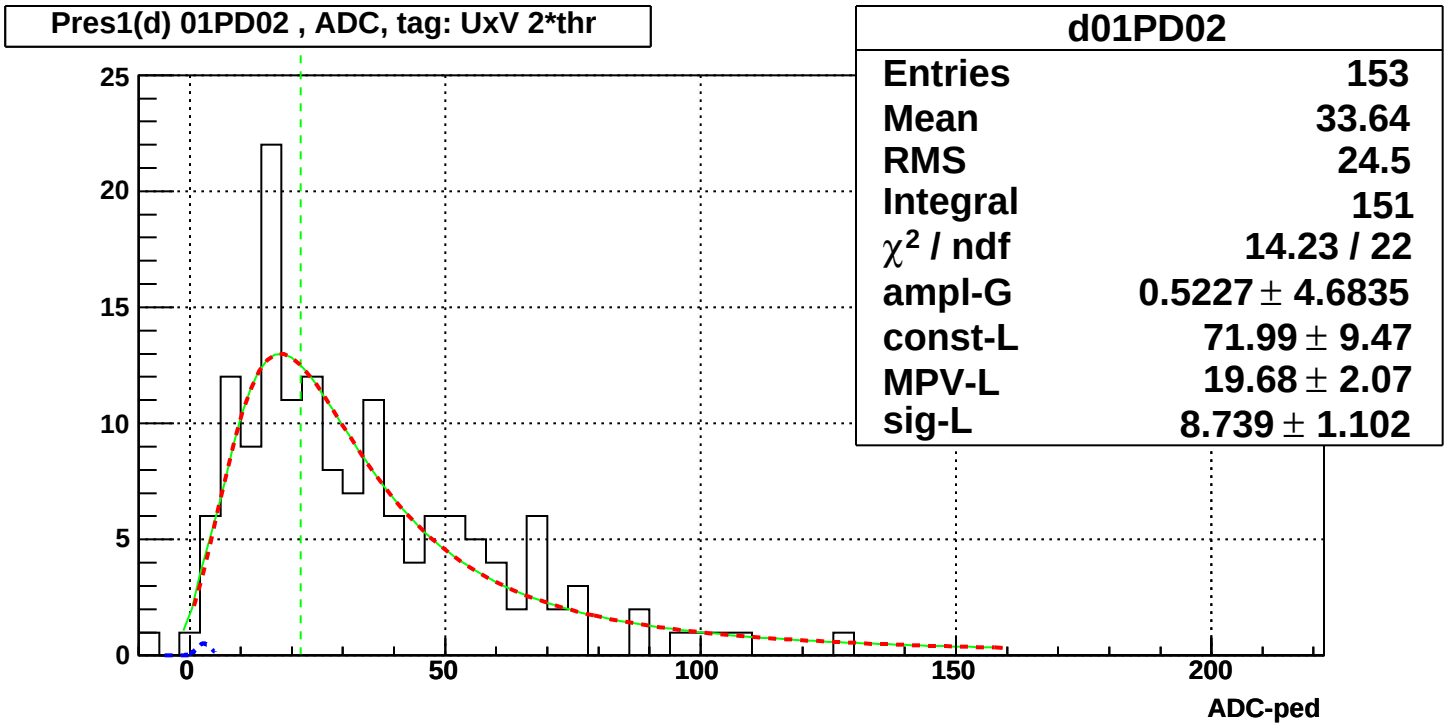

Pres1(a) 01PB02 , inclusive ADC
a01PB02
Entries 504000
Mean 1.293
RMS 7.75
Integral 5.037e+05
χ² / ndf 247 / 2
Constant 2.163e+06 ± 45790
Mean 0.6018 ± 0.0007
Sigma 0.05928 ± 0.00043
ADC-ped

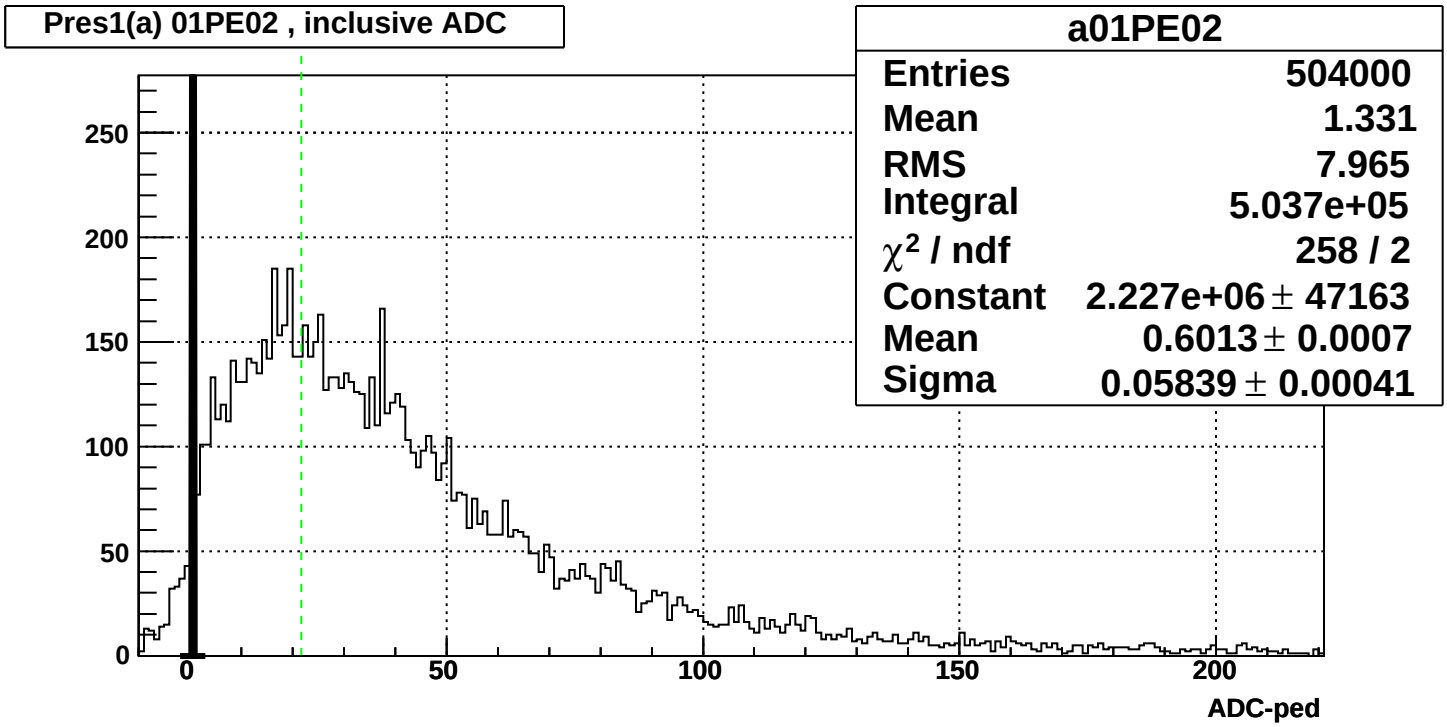

Pres1(d) 01PB02 , ADC, tag: UxV 2*thr
d01PB02
Entries 157
Mean 35.56
RMS 31.17
Integral 156
χ² / ndf 20.48 / 20
ampl-G -8.867 ± 6.612
const-L 81 ± 12.8
MPV-L 13.28 ± 5.69
sig-L 8.723 ± 1.425
ADC-ped

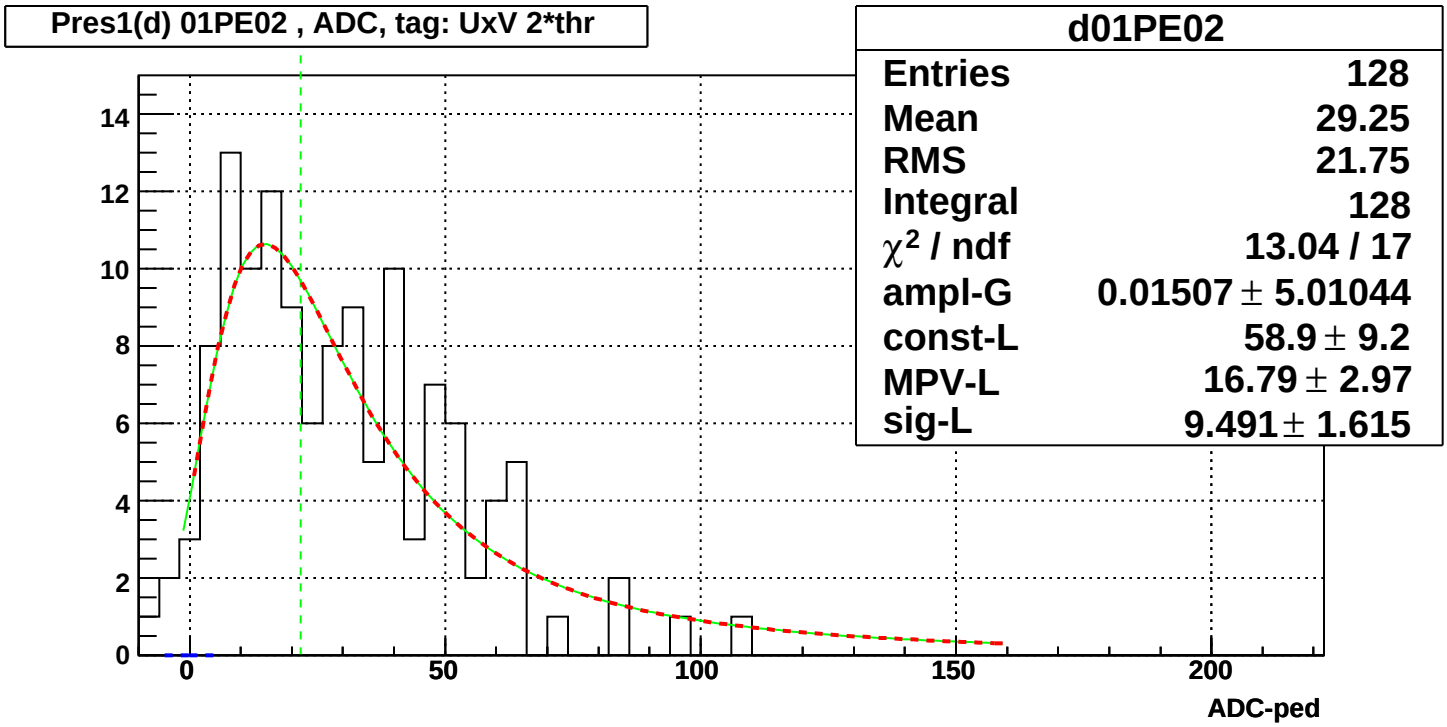

Pres1(a) 01PC02 , inclusive ADC
a01PC02
Entries 504000
Mean 1.262
RMS 7.556
Integral 5.037e+05
χ² / ndf 235 / 2
Constant 2.295e+06 ± 48581
Mean 0.6005 ± 0.0007
Sigma 0.05738 ± 0.00040
ADC-ped

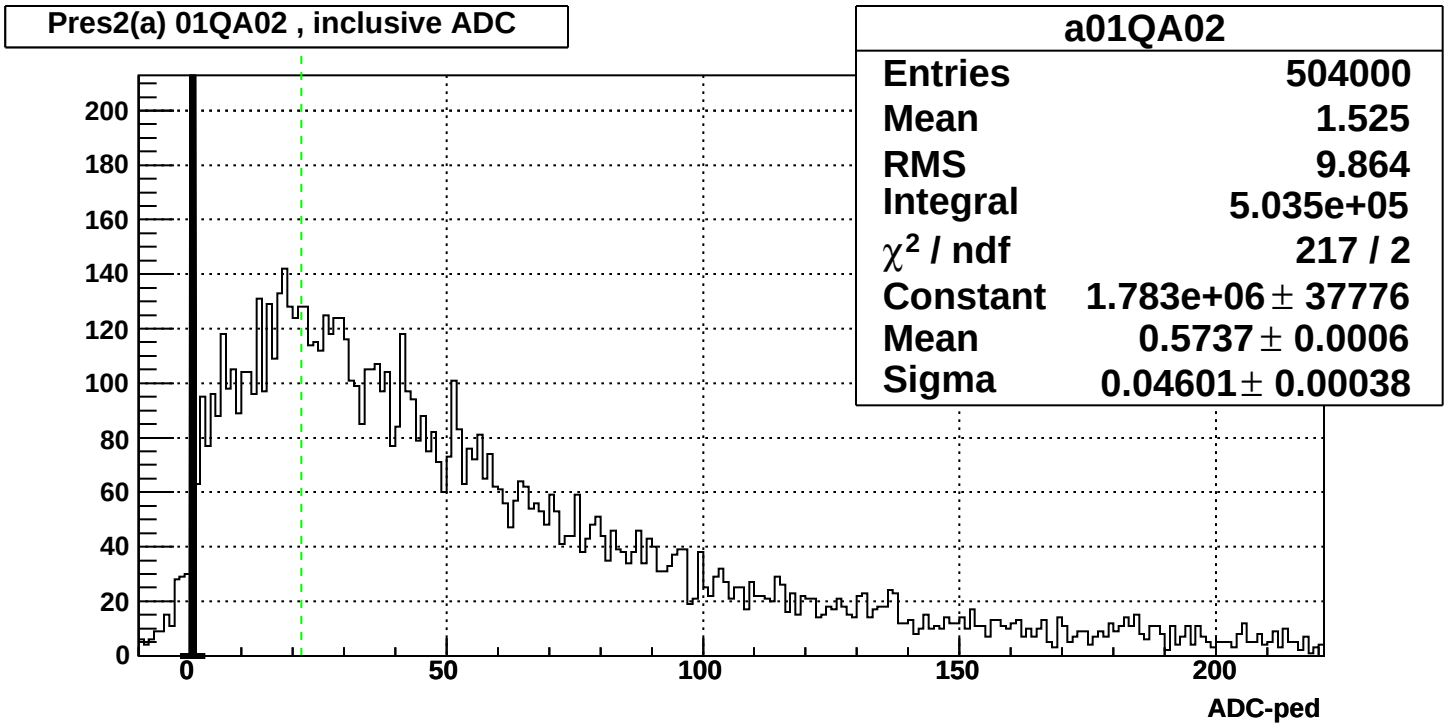

Pres1(d) 01PC02 , ADC, tag: UxV 2*thr
d01PC02
Entries 150
Mean 30.64
RMS 29.3
Integral 150
χ² / ndf 15.54 / 22
ampl-G 1.508 ± 7.471
const-L 81.97 ± 12.78
MPV-L 16.3 ± 2.5
sig-L 7.035 ± 1.477
ADC-ped

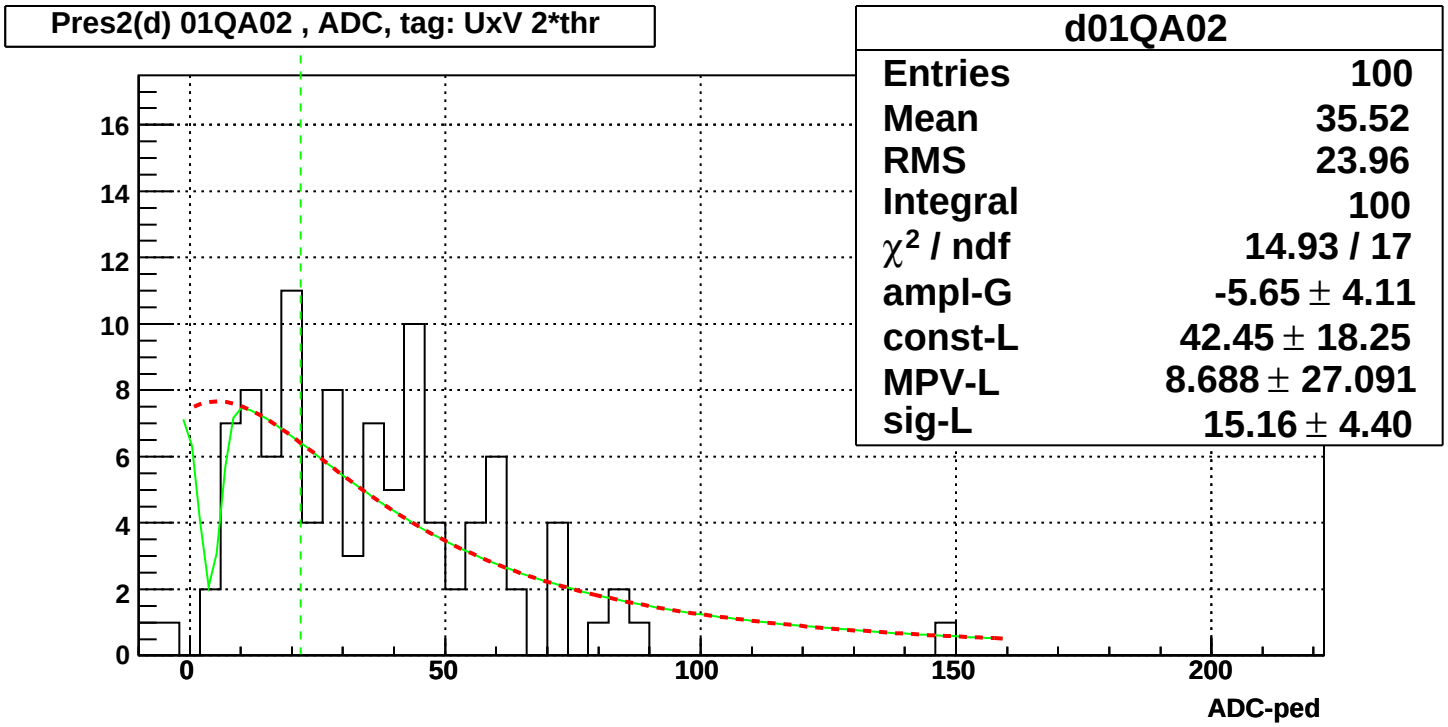

Pres1(a) 01PD02 , inclusive ADC
a01PD02
Entries 504000
Mean 1.28
RMS 7.652
Integral 5.038e+05
χ² / ndf 250 / 2
Constant 2.153e+06 ± 45576
Mean 0.6019 ± 0.0007
Sigma 0.0594 ± 0.0004
0
50
100
150
200
250
0
50
100
150
200
ADC-ped

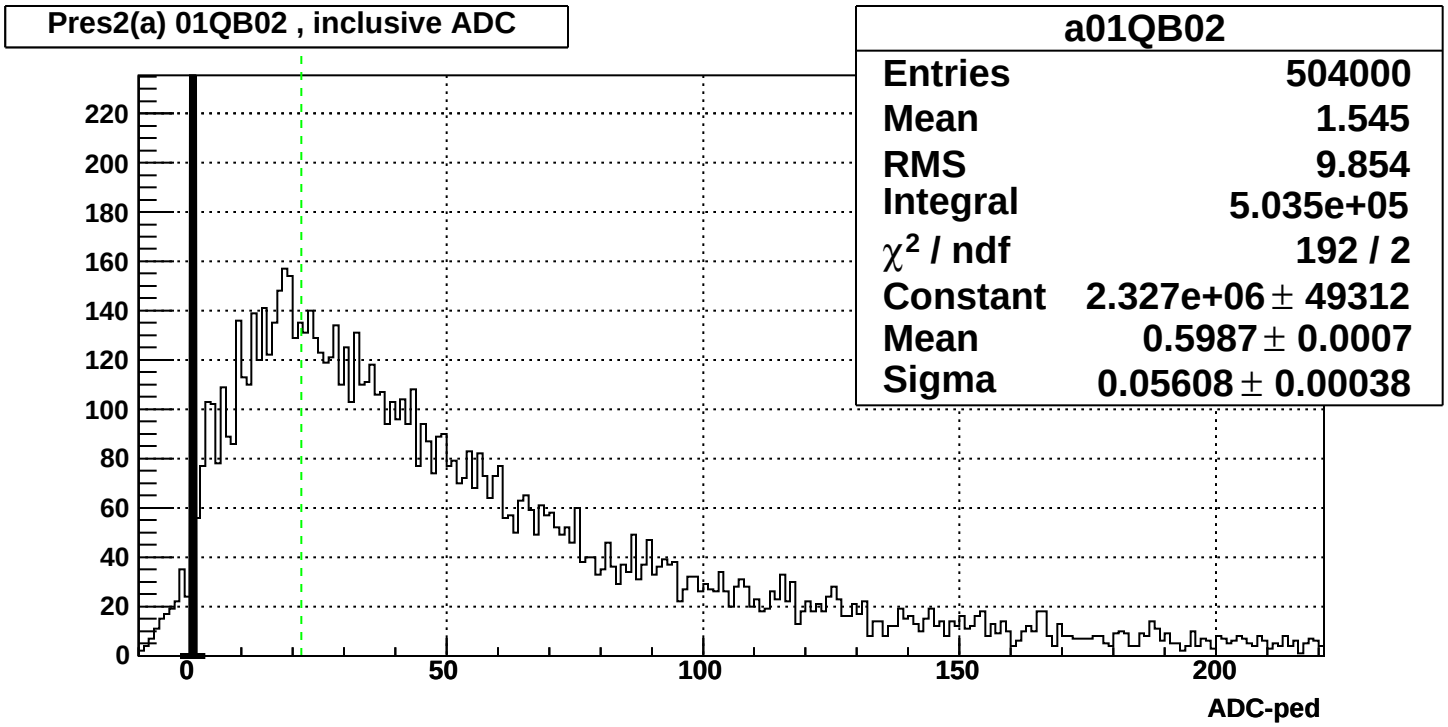

Pres1(d) 01PD02 , ADC, tag: UxV 2*thr
d01PD02
Entries 153
Mean 33.64
RMS 24.5
Integral 151
χ² / ndf 14.23 / 22
ampl-G 0.5227 ± 4.6835
const-L 71.99 ± 9.47
MPV-L 19.68 ± 2.07
sig-L 8.739 ± 1.102
0
5
10
15
20
25
0
50
100
150
200
ADC-ped

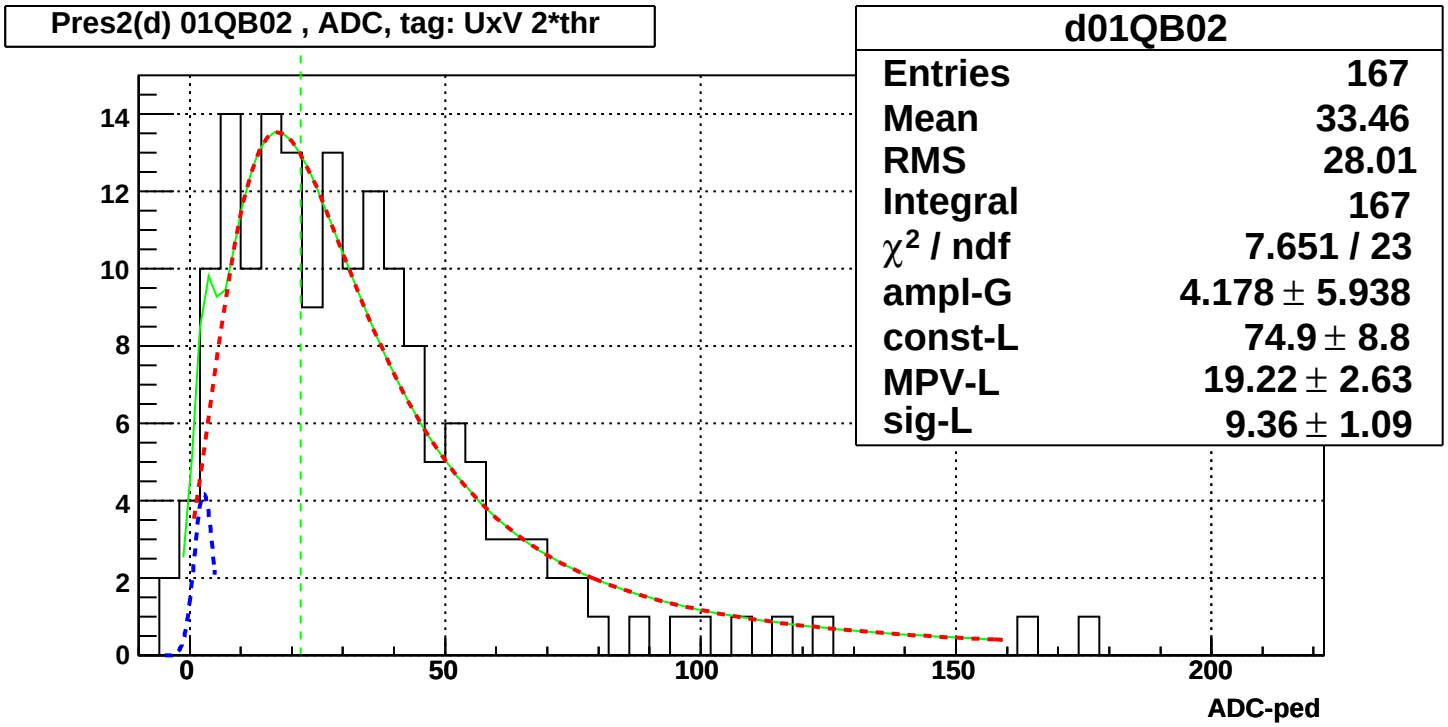

Pres1(a) 01PE02 , inclusive ADC
a01PE02
Entries 504000
Mean 1.331
RMS 7.965
Integral 5.037e+05
χ² / ndf 258 / 2
Constant 2.227e+06 ± 47163
Mean 0.6013 ± 0.0007
Sigma 0.05839 ± 0.00041
ADC-ped

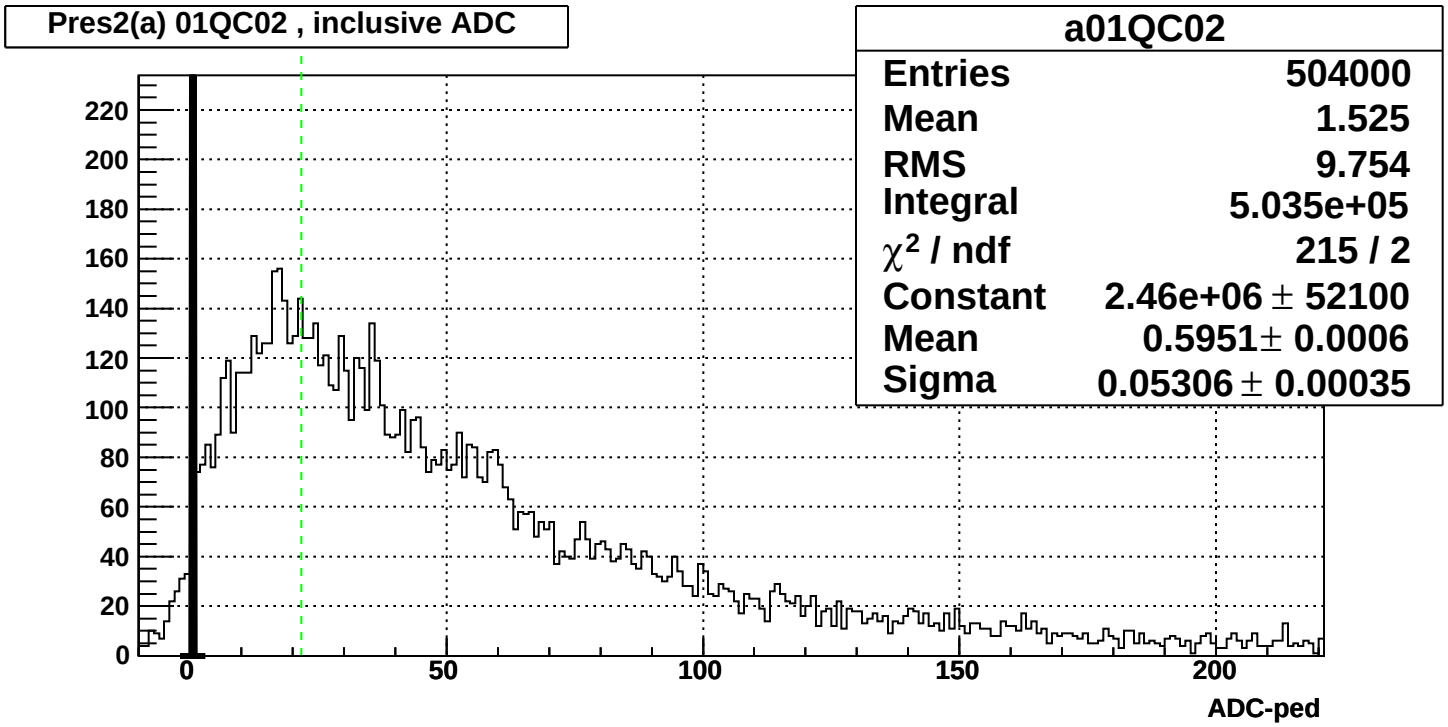

Pres1(d) 01PE02 , ADC, tag: UxV 2*thr
d01PE02
Entries 128
Mean 29.25
RMS 21.75
Integral 128
χ² / ndf 13.04 / 17
ampl-G 0.01507 ± 5.01044
const-L 58.9 ± 9.2
MPV-L 16.79 ± 2.97
sig-L 9.491 ± 1.615
ADC-ped

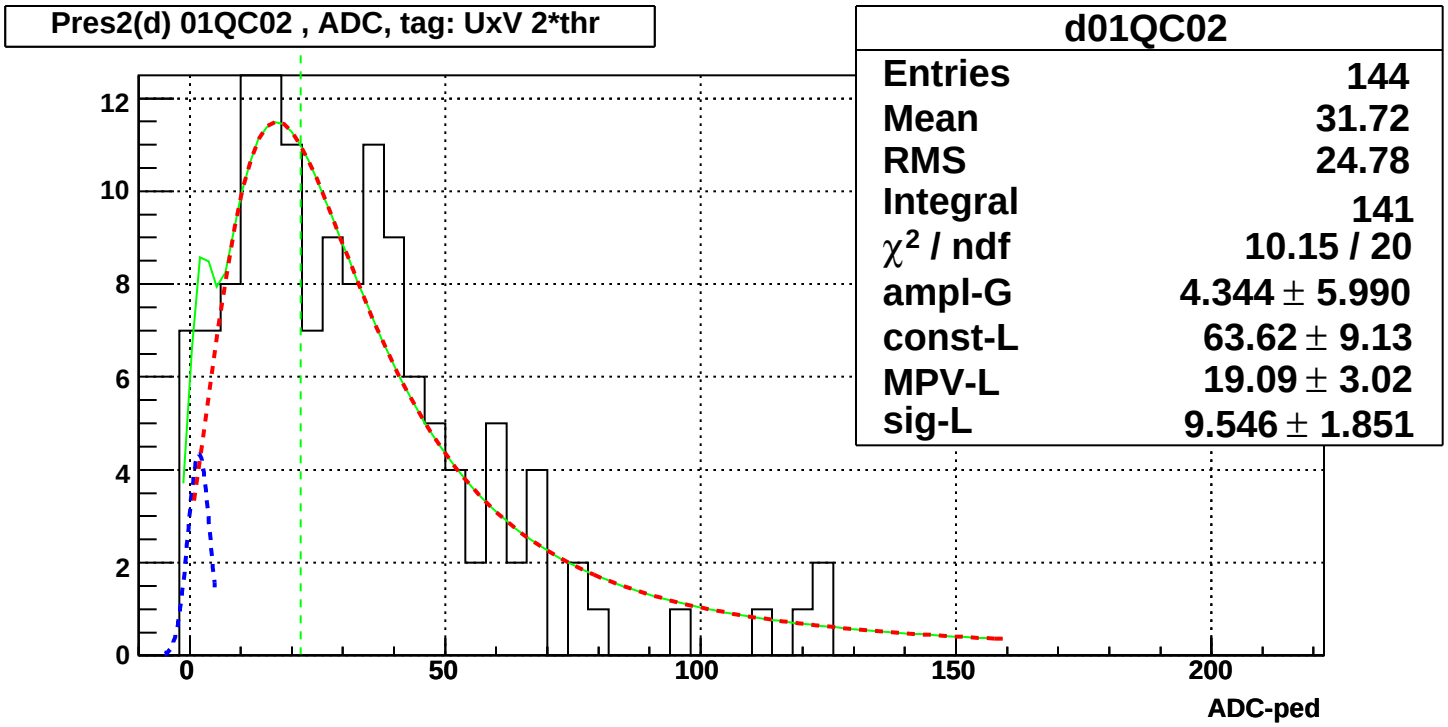

Pres2(a) 01QA02 , inclusive ADC
a01QA02
Entries 504000
Mean 1.525
RMS 9.864
Integral 5.035e+05
χ² / ndf 217 / 2
Constant 1.783e+06 ± 37776
Mean 0.5737 ± 0.0006
Sigma 0.04601 ± 0.00038
ADC-ped

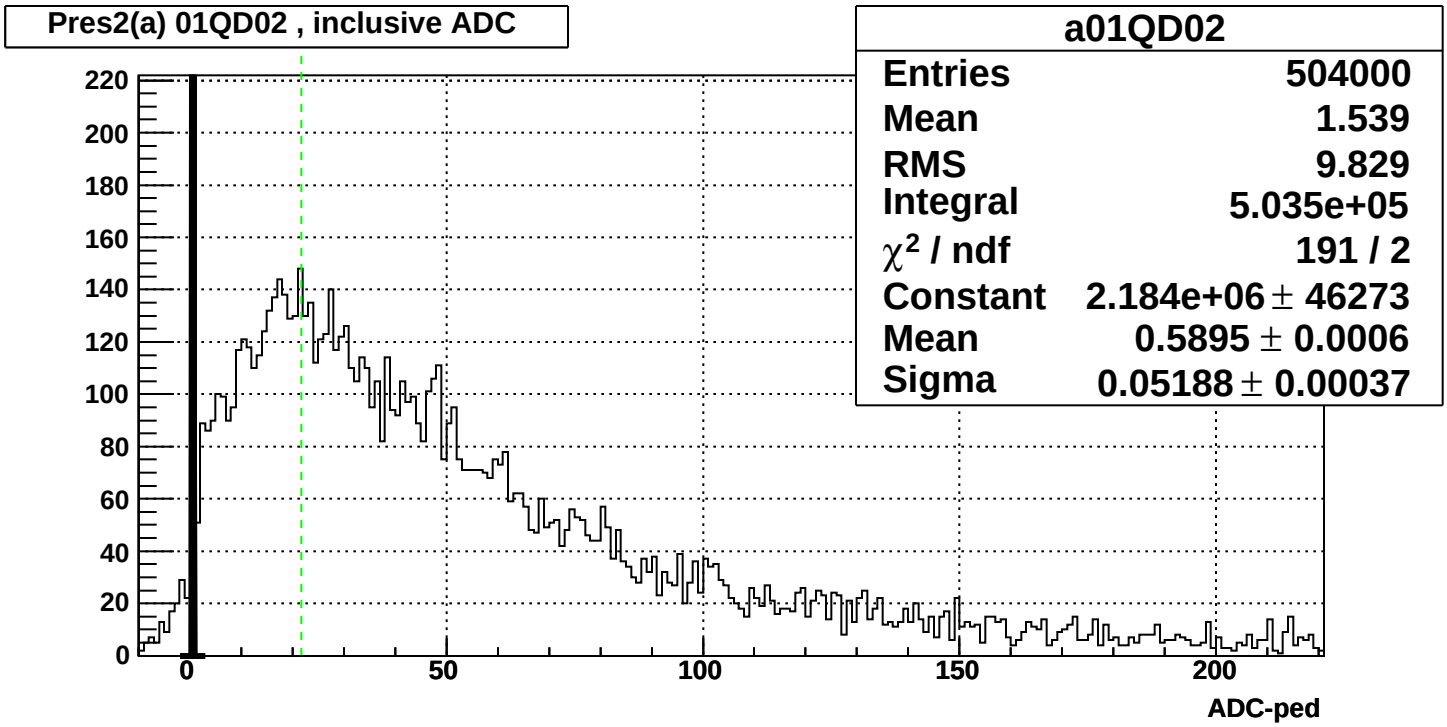

Pres2(d) 01QA02 , ADC, tag: UxV 2*thr
d01QA02
Entries 100
Mean 35.52
RMS 23.96
Integral 100
χ² / ndf 14.93 / 17
ampl-G -5.65 ± 4.11
const-L 42.45 ± 18.25
MPV-L 8.688 ± 27.091
sig-L 15.16 ± 4.40
ADC-ped

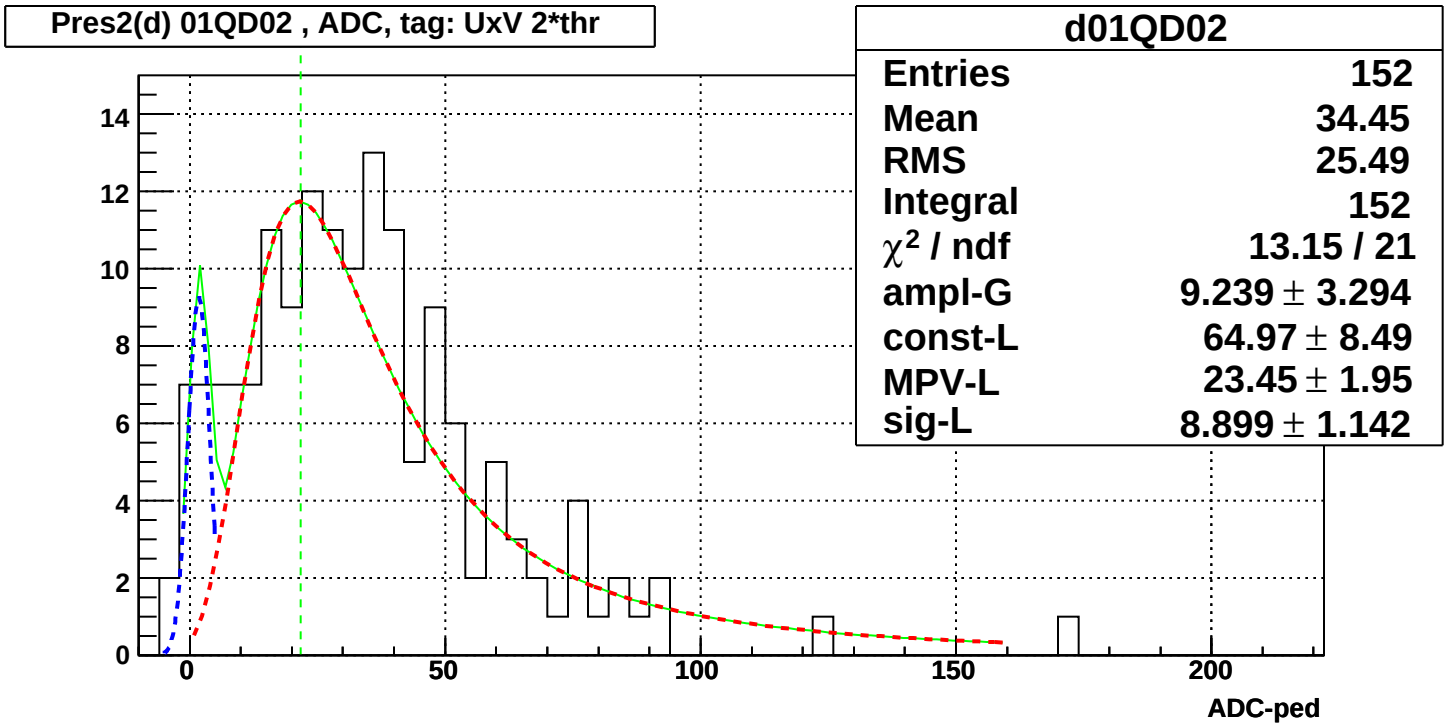

Pres2(a) 01QB02 , inclusive ADC
a01QB02
Entries 504000
Mean 1.545
RMS 9.854
Integral 5.035e+05
χ² / ndf 192 / 2
Constant 2.327e+06 ± 49312
Mean 0.5987 ± 0.0007
Sigma 0.05608 ± 0.00038
ADC-ped

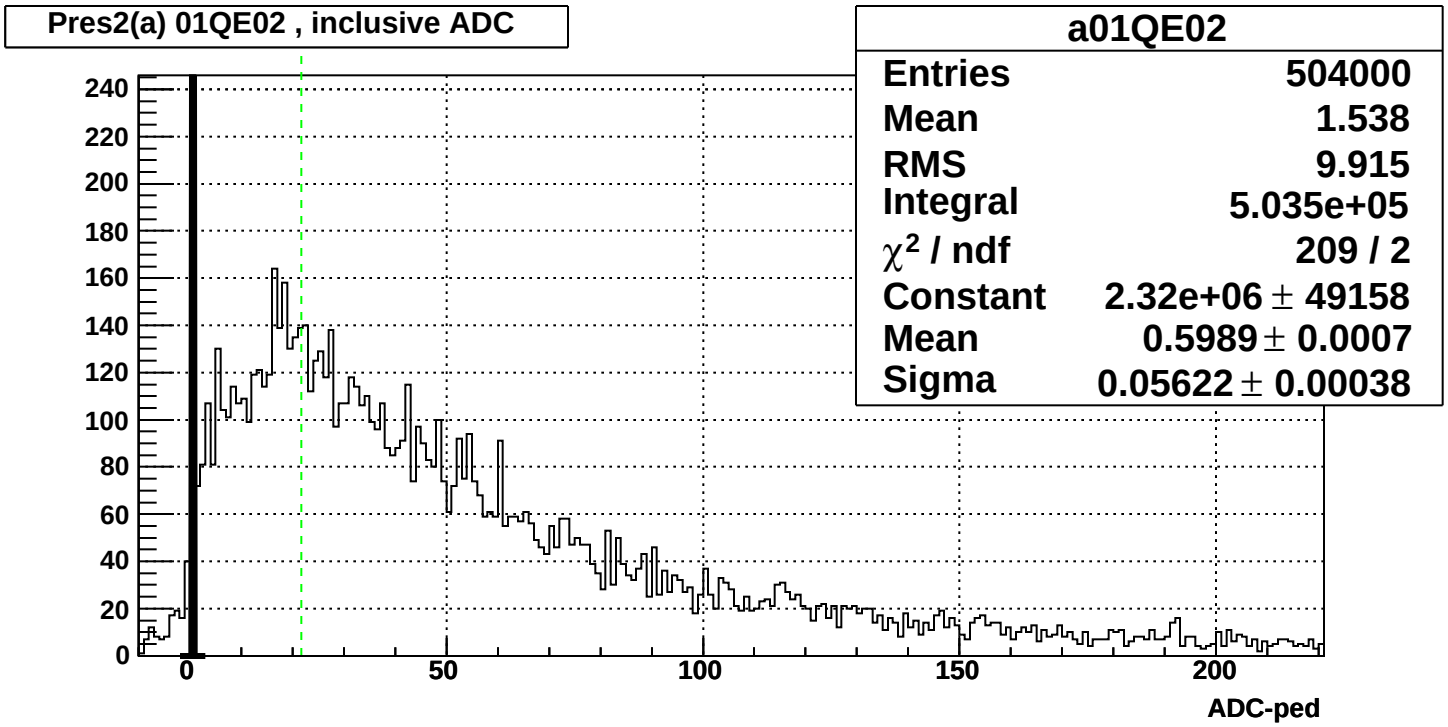

Pres2(d) 01QB02 , ADC, tag: UxV 2*thr
d01QB02
Entries 167
Mean 33.46
RMS 28.01
Integral 167
χ² / ndf 7.651 / 23
ampl-G 4.178 ± 5.938
const-L 74.9 ± 8.8
MPV-L 19.22 ± 2.63
sig-L 9.36 ± 1.09
ADC-ped

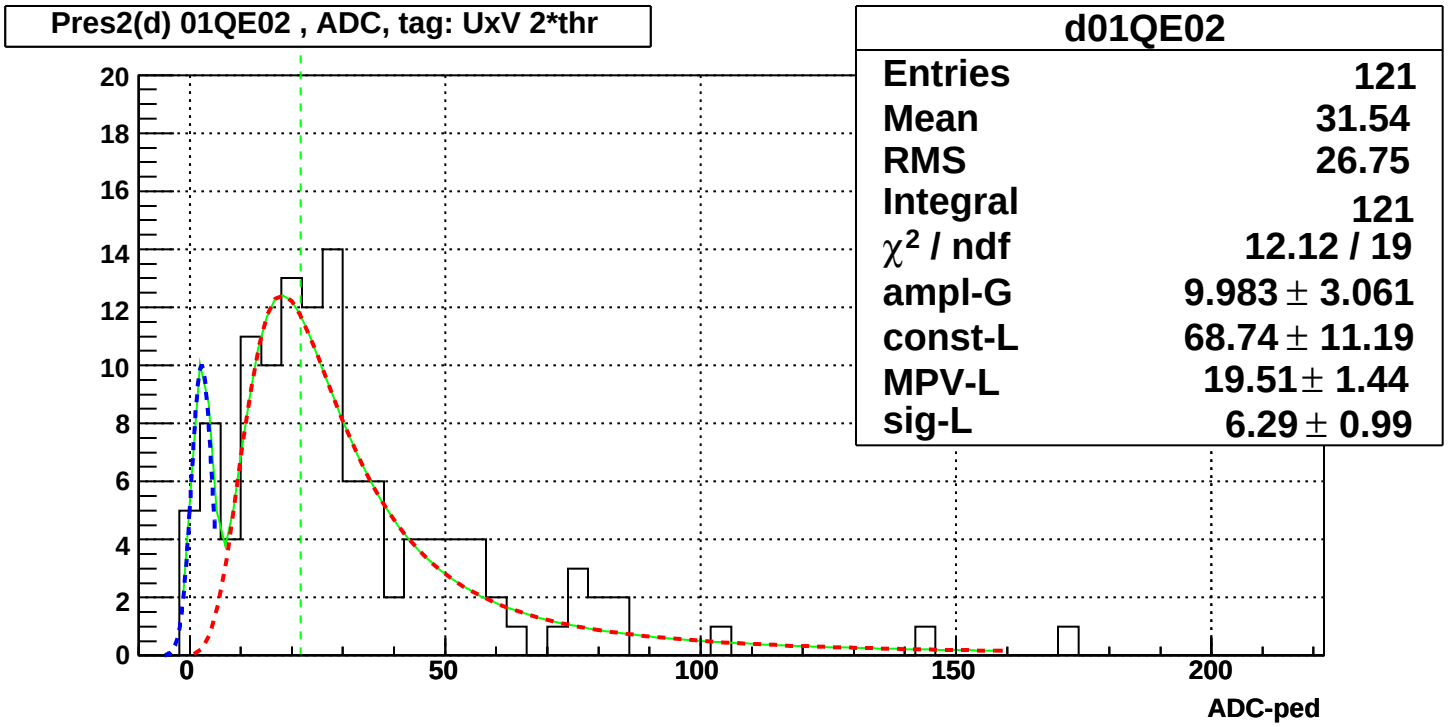

Pres2(a) 01QC02 , inclusive ADC
a01QC02
Entries 504000
Mean 1.525
RMS 9.754
Integral 5.035e+05
χ² / ndf 215 / 2
Constant 2.46e+06 ± 52100
Mean 0.5951 ± 0.0006
Sigma 0.05306 ± 0.00035
ADC-ped

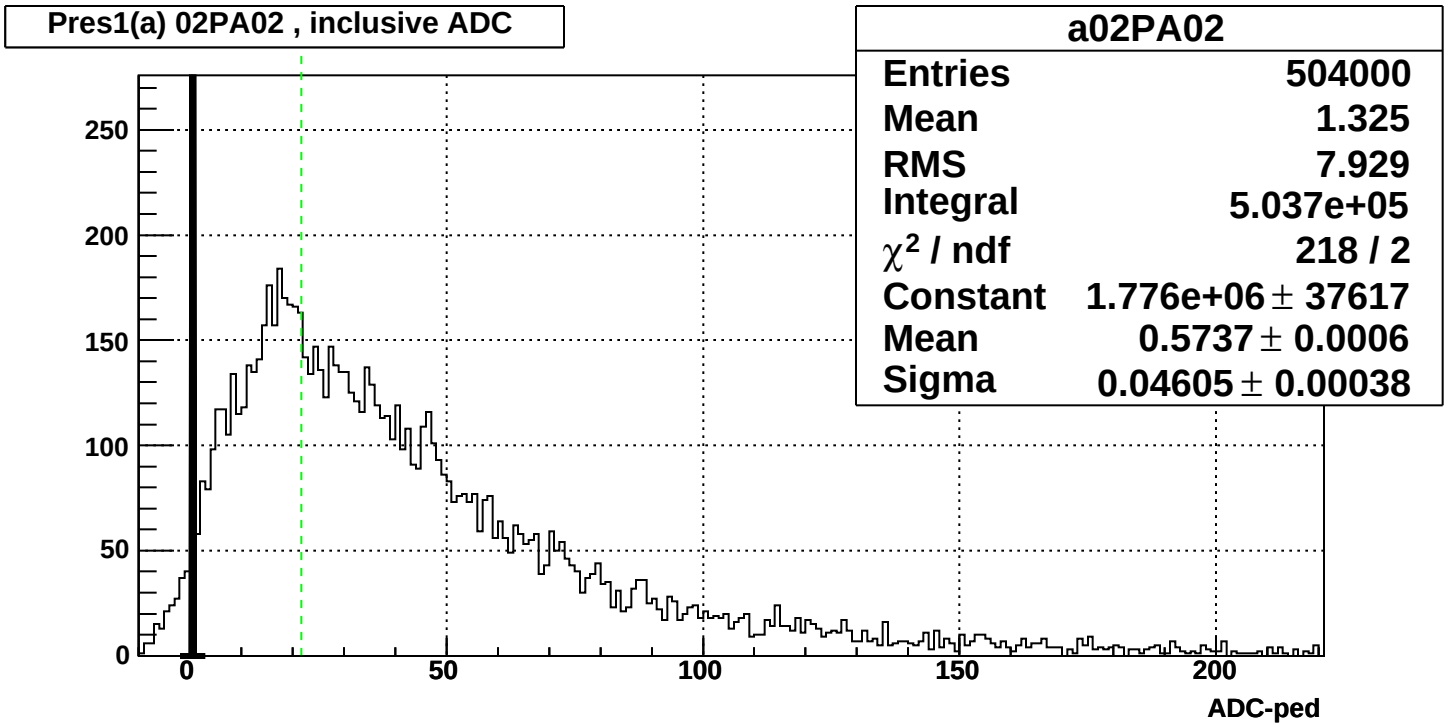

Pres2(d) 01QC02 , ADC, tag: UxV 2*thr
d01QC02
Entries 144
Mean 31.72
RMS 24.78
Integral 141
χ² / ndf 10.15 / 20
ampl-G 4.344 ± 5.990
const-L 63.62 ± 9.13
MPV-L 19.09 ± 3.02
sig-L 9.546 ± 1.851
ADC-ped

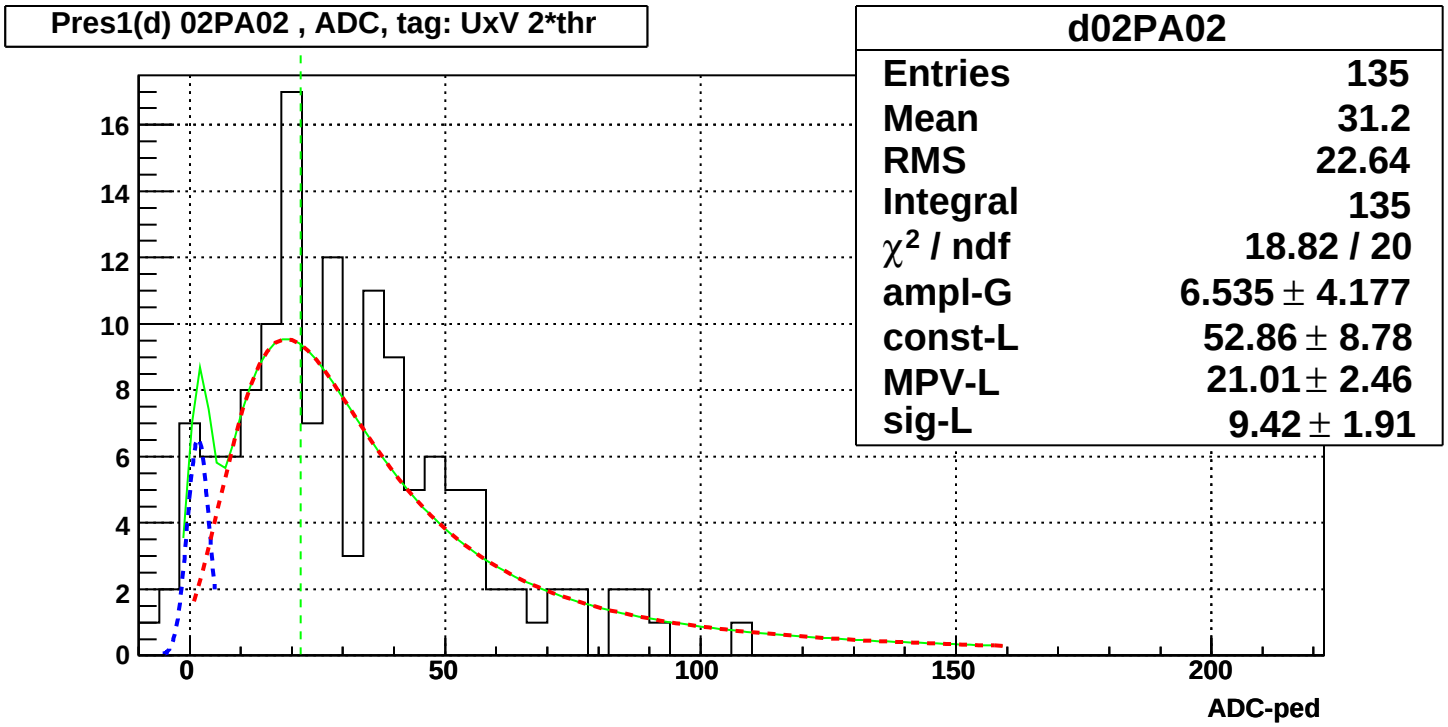

Pres2(a) 01QD02 , inclusive ADC
a01QD02
Entries 504000
Mean 1.539
RMS 9.829
Integral 5.035e+05
χ² / ndf 191 / 2
Constant 2.184e+06 ± 46273
Mean 0.5895 ± 0.0006
Sigma 0.05188 ± 0.00037
ADC-ped

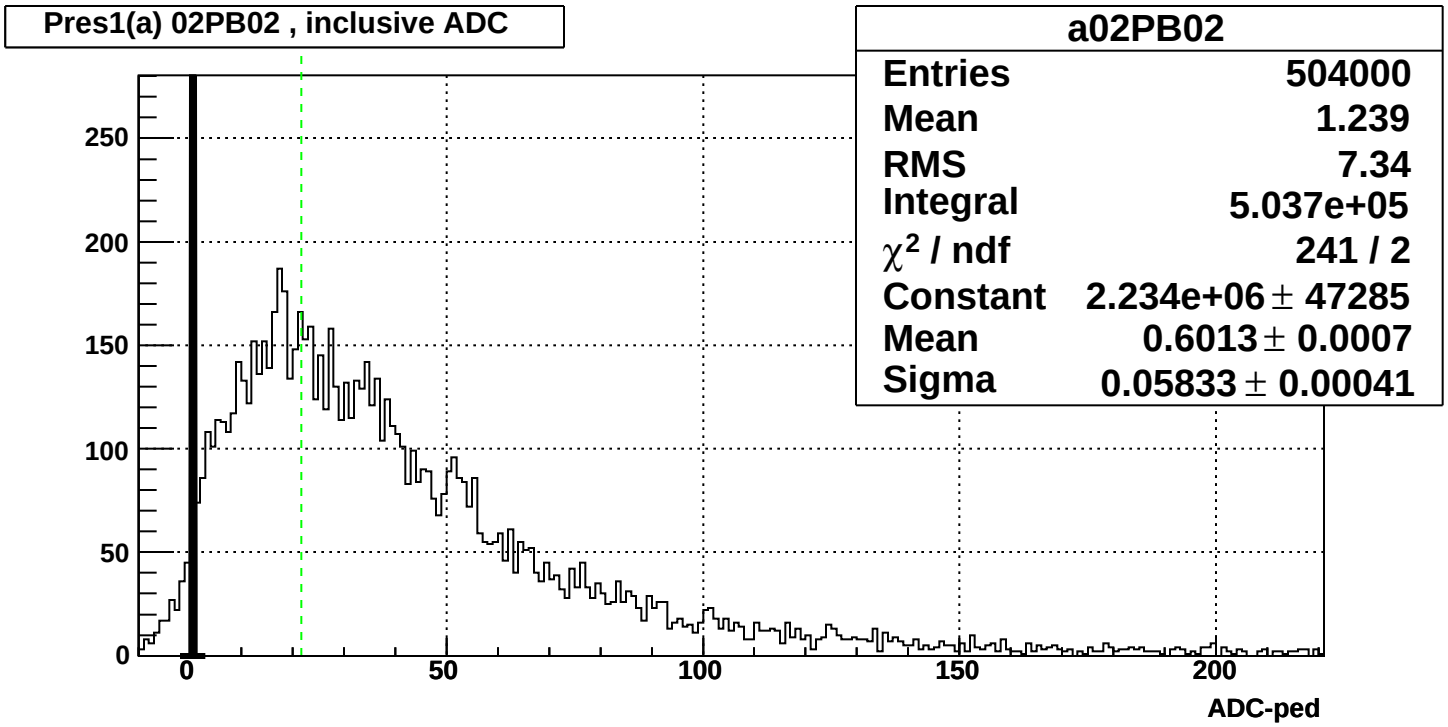

Pres2(d) 01QD02 , ADC, tag: UxV 2*thr
d01QD02
Entries 152
Mean 34.45
RMS 25.49
Integral 152
χ² / ndf 13.15 / 21
ampl-G 9.239 ± 3.294
const-L 64.97 ± 8.49
MPV-L 23.45 ± 1.95
sig-L 8.899 ± 1.142
ADC-ped

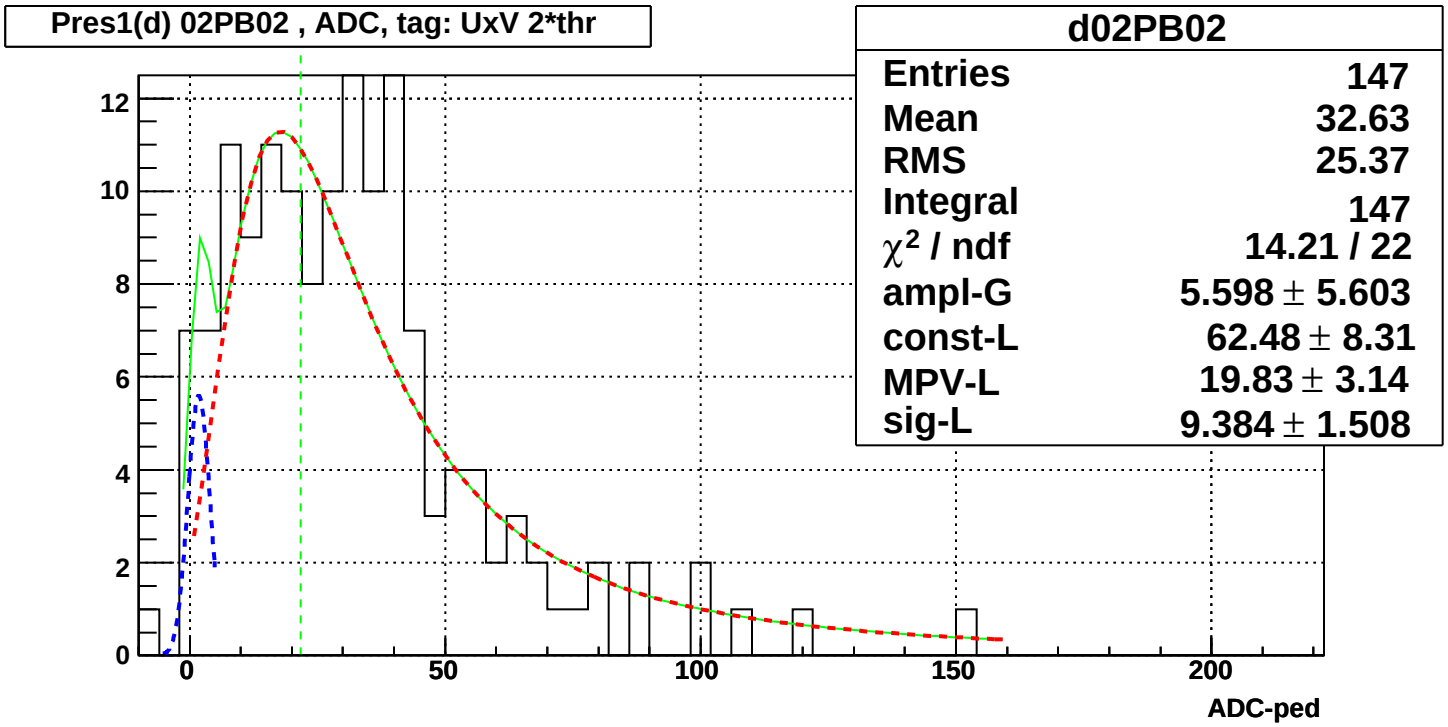

Pres2(a) 01QE02 , inclusive ADC
a01QE02
Entries 504000
Mean 1.538
RMS 9.915
Integral 5.035e+05
χ² / ndf 209 / 2
Constant 2.32e+06 ± 49158
Mean 0.5989 ± 0.0007
Sigma 0.05622 ± 0.00038
ADC-ped

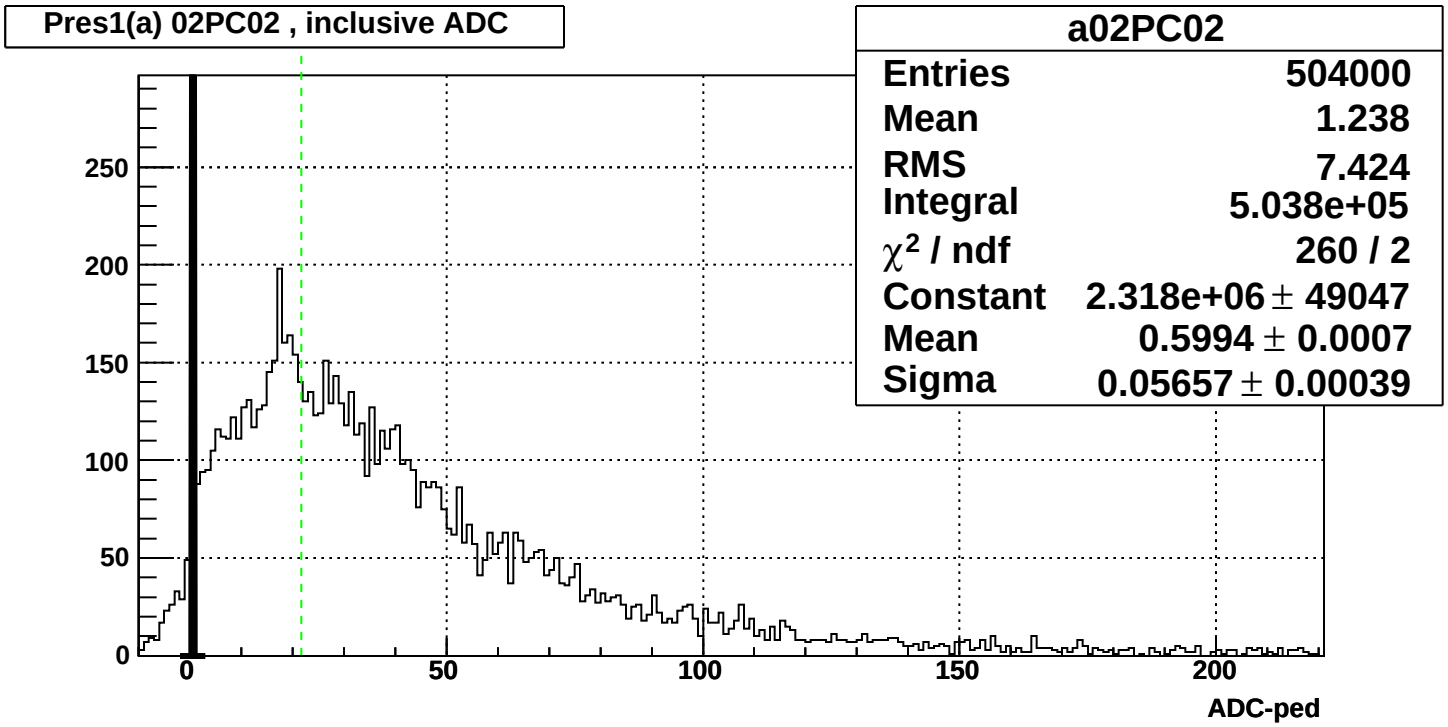

Pres2(d) 01QE02 , ADC, tag: UxV 2*thr
d01QE02
Entries 121
Mean 31.54
RMS 26.75
Integral 121
χ² / ndf 12.12 / 19
ampl-G 9.983 ± 3.061
const-L 68.74 ± 11.19
MPV-L 19.51 ± 1.44
sig-L 6.29 ± 0.99
ADC-ped

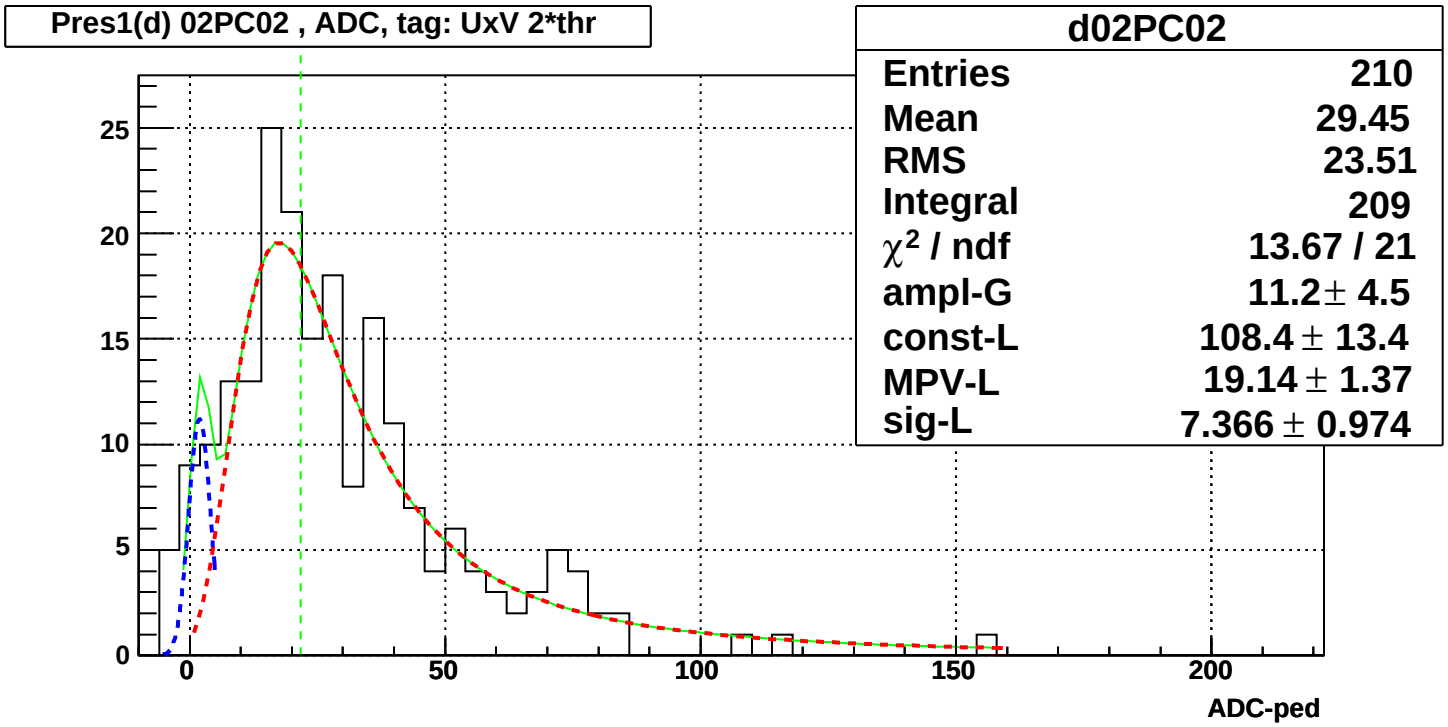

Pres1(a) 02PA02 , inclusive ADC
a02PA02
Entries 504000
Mean 1.325
RMS 7.929
Integral 5.037e+05
χ² / ndf 218 / 2
Constant 1.776e+06 ± 37617
Mean 0.5737 ± 0.0006
Sigma 0.04605 ± 0.00038
ADC-ped

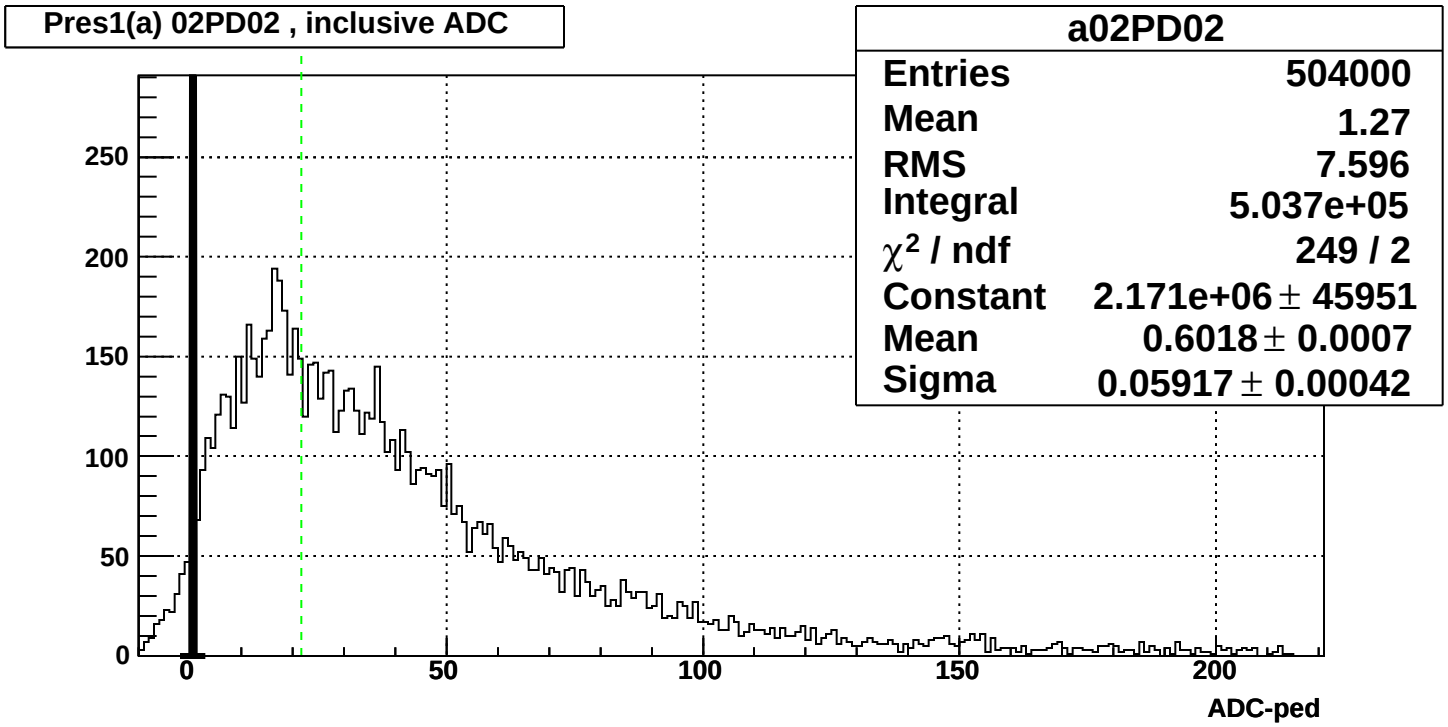

Pres1(d) 02PA02 , ADC, tag: UxV 2*thr
d02PA02
Entries 135
Mean 31.2
RMS 22.64
Integral 135
χ² / ndf 18.82 / 20
ampl-G 6.535 ± 4.177
const-L 52.86 ± 8.78
MPV-L 21.01 ± 2.46
sig-L 9.42 ± 1.91
ADC-ped

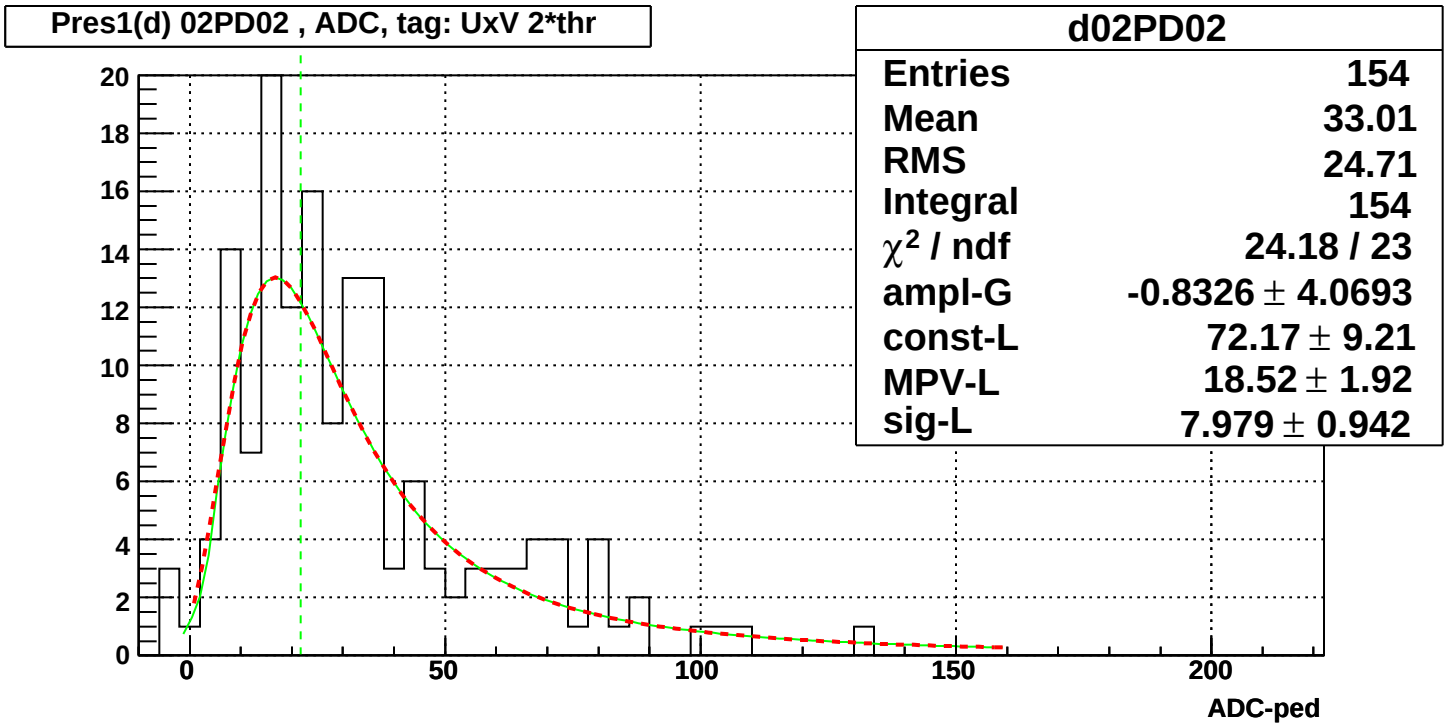

Pres1(a) 02PB02 , inclusive ADC
a02PB02
Entries 504000
Mean 1.239
RMS 7.34
Integral 5.037e+05
χ² / ndf 241 / 2
Constant 2.234e+06 ± 47285
Mean 0.6013 ± 0.0007
Sigma 0.05833 ± 0.00041
ADC-ped

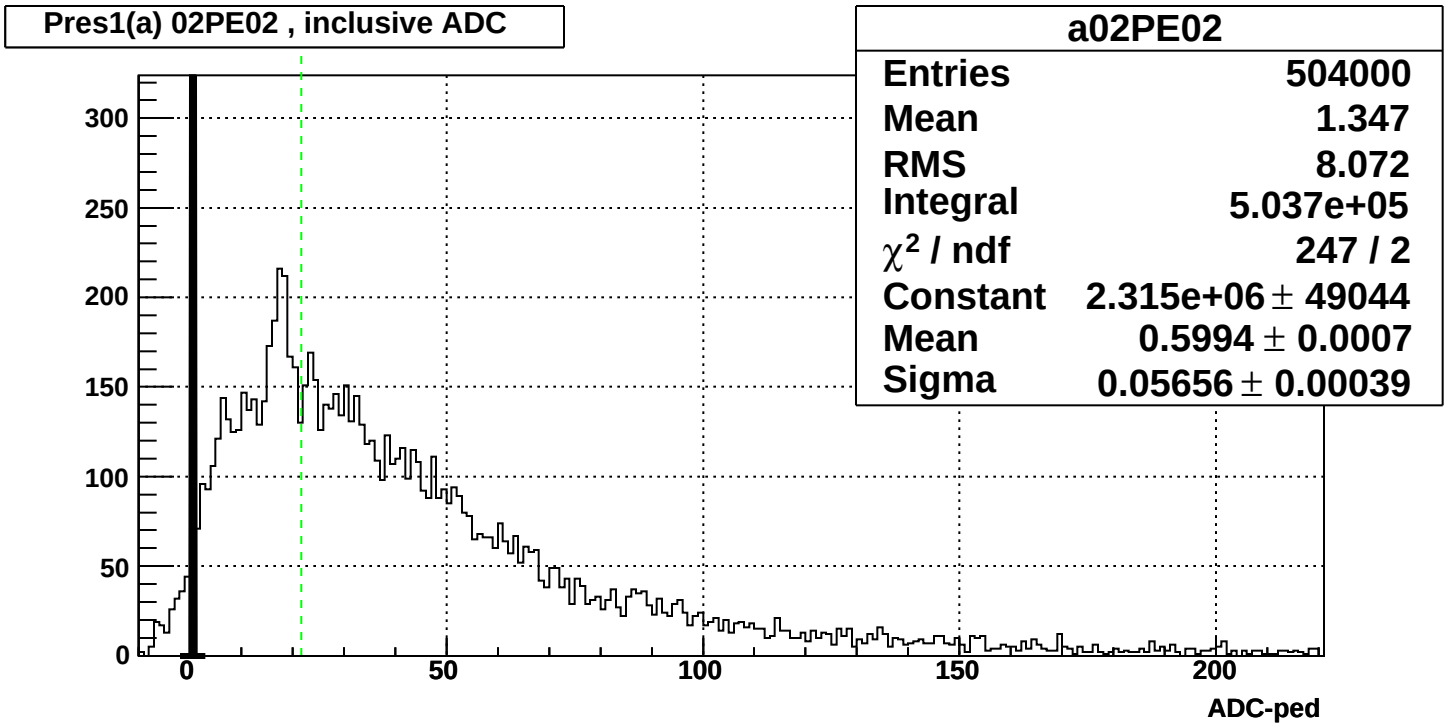

Pres1(d) 02PB02 , ADC, tag: UxV 2*thr
d02PB02
Entries 147
Mean 32.63
RMS 25.37
Integral 147
χ² / ndf 14.21 / 22
ampl-G 5.598 ± 5.603
const-L 62.48 ± 8.31
MPV-L 19.83 ± 3.14
sig-L 9.384 ± 1.508
ADC-ped

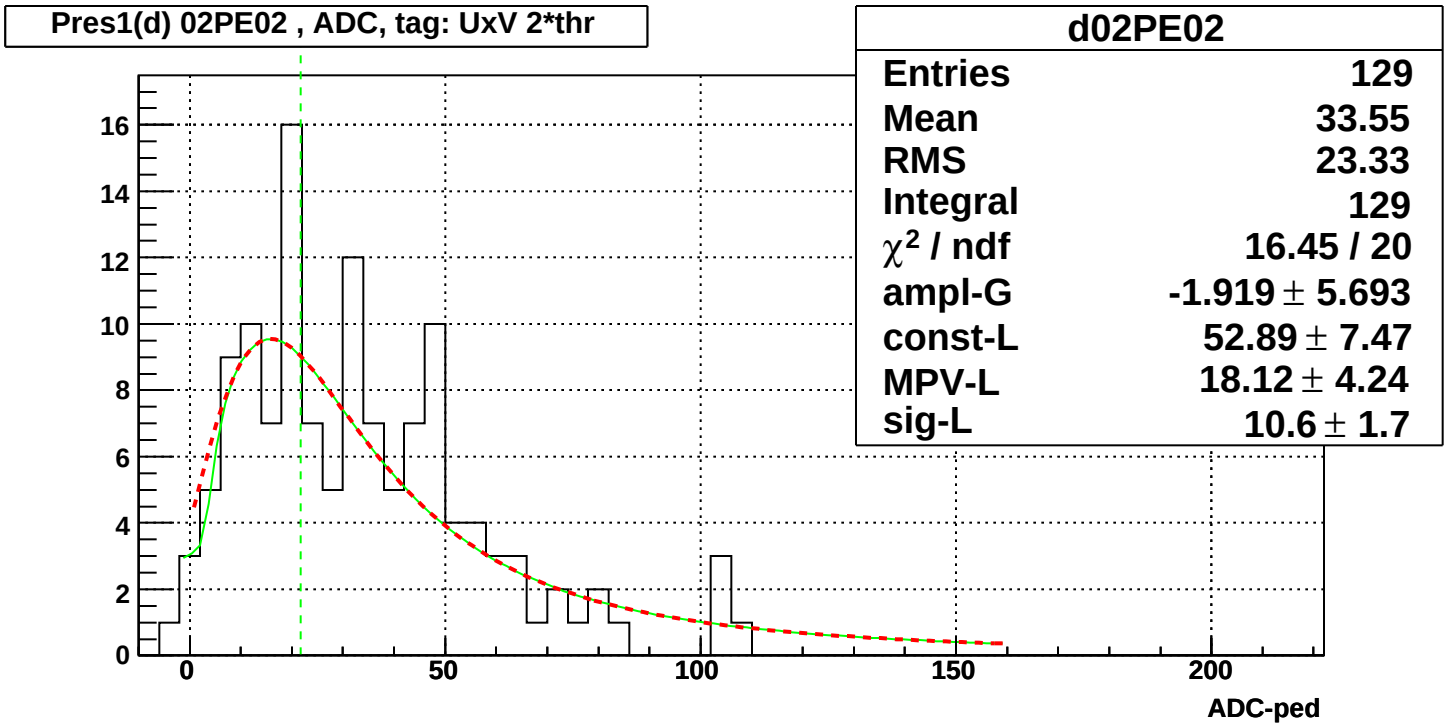

Pres1(a) 02PC02 , inclusive ADC
a02PC02
Entries 504000
Mean 1.238
RMS 7.424
Integral 5.038e+05
χ² / ndf 260 / 2
Constant 2.318e+06 ± 49047
Mean 0.5994 ± 0.0007
Sigma 0.05657 ± 0.00039
0
50
100
150
200
250
0
50
100
150
200
ADC-ped

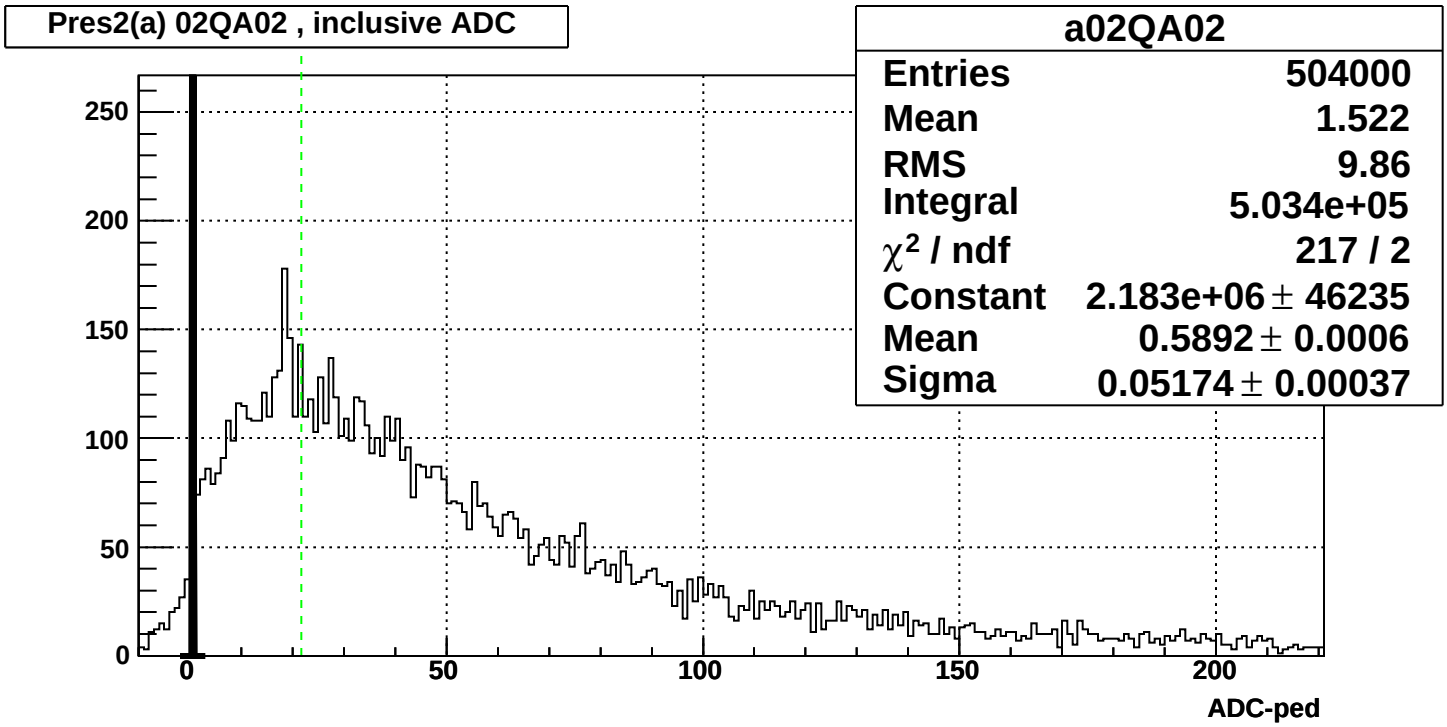

Pres1(d) 02PC02 , ADC, tag: UxV 2*thr
d02PC02
Entries 210
Mean 29.45
RMS 23.51
Integral 209
χ² / ndf 13.67 / 21
ampl-G 11.2 ± 4.5
const-L 108.4 ± 13.4
MPV-L 19.14 ± 1.37
sig-L 7.366 ± 0.974
0
5
10
15
20
25
0
50
100
150
200
ADC-ped

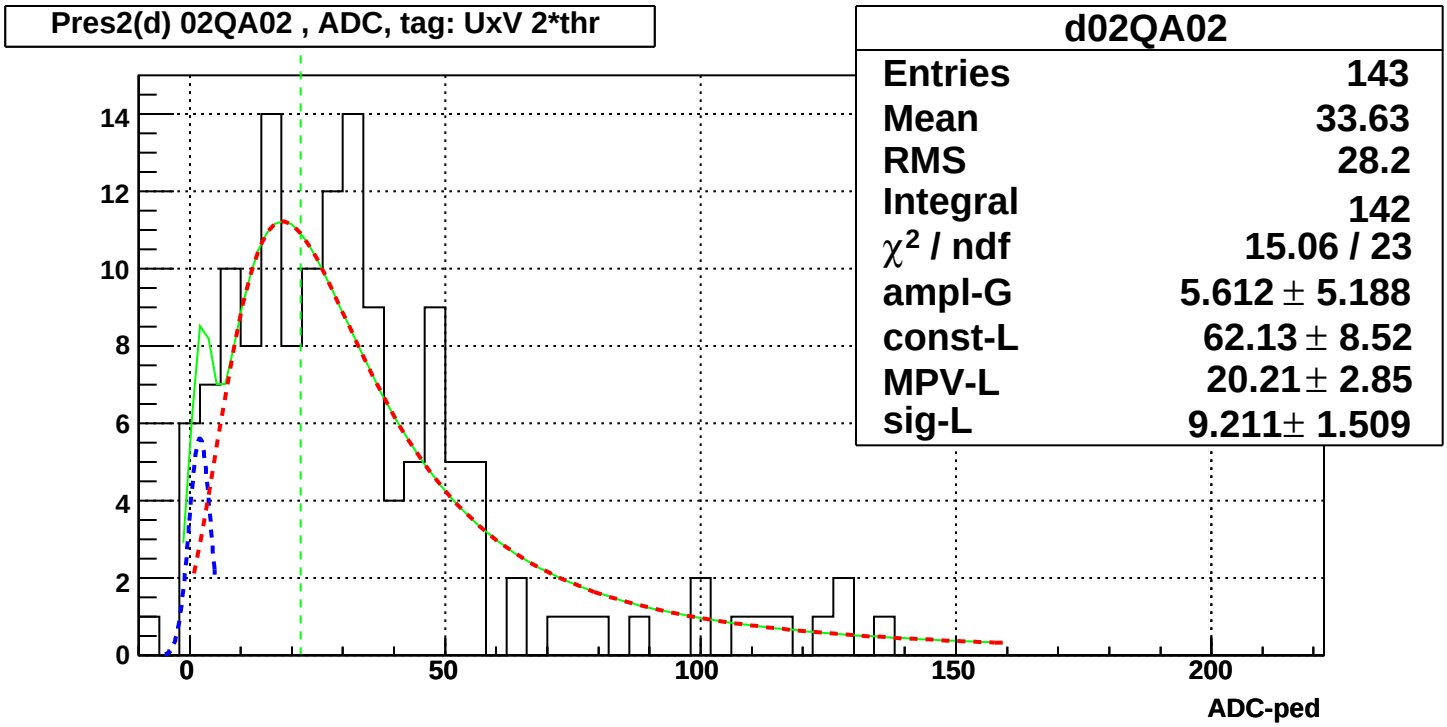

Pres1(a) 02PD02 , inclusive ADC
a02PD02
Entries 504000
Mean 1.27
RMS 7.596
Integral 5.037e+05
χ² / ndf 249 / 2
Constant 2.171e+06 ± 45951
Mean 0.6018 ± 0.0007
Sigma 0.05917 ± 0.00042
ADC-ped

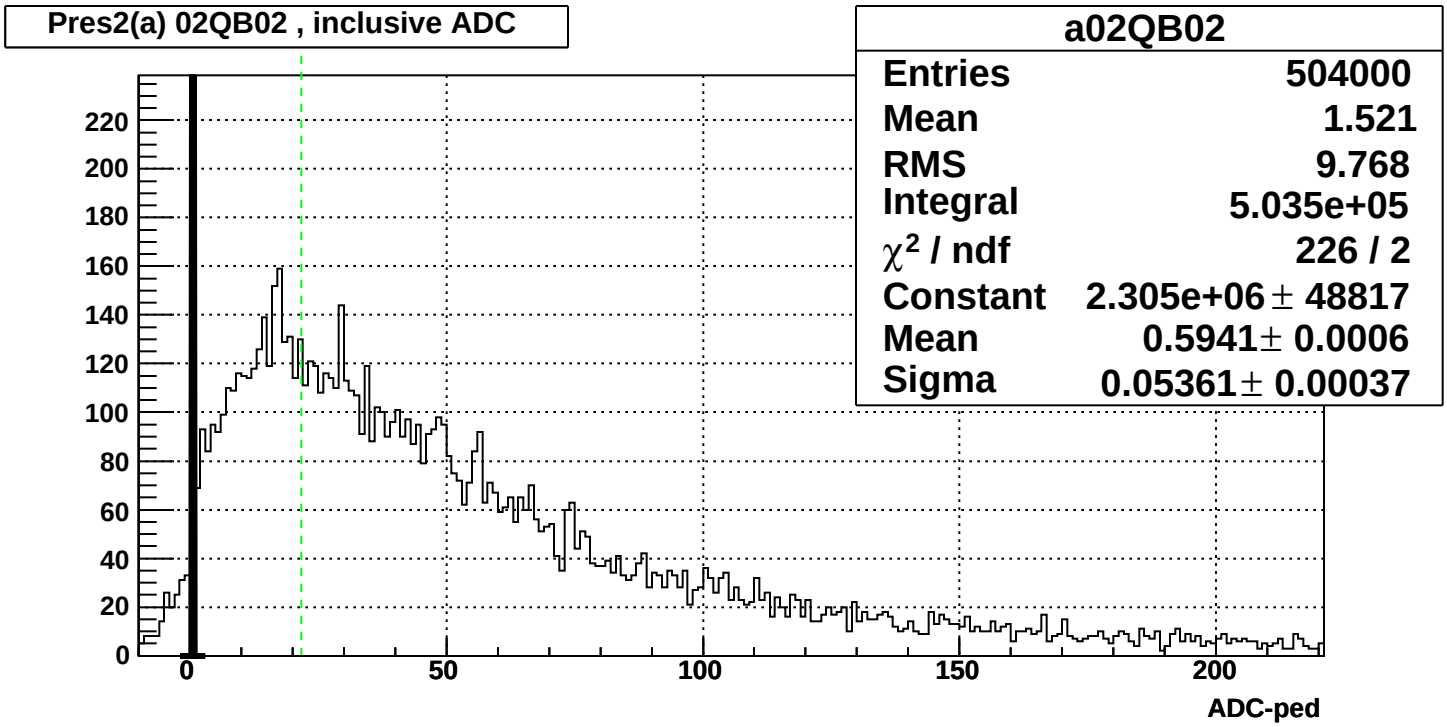

Pres1(d) 02PD02 , ADC, tag: UxV 2*thr
d02PD02
Entries 154
Mean 33.01
RMS 24.71
Integral 154
χ² / ndf 24.18 / 23
ampl-G -0.8326 ± 4.0693
const-L 72.17 ± 9.21
MPV-L 18.52 ± 1.92
sig-L 7.979 ± 0.942
ADC-ped

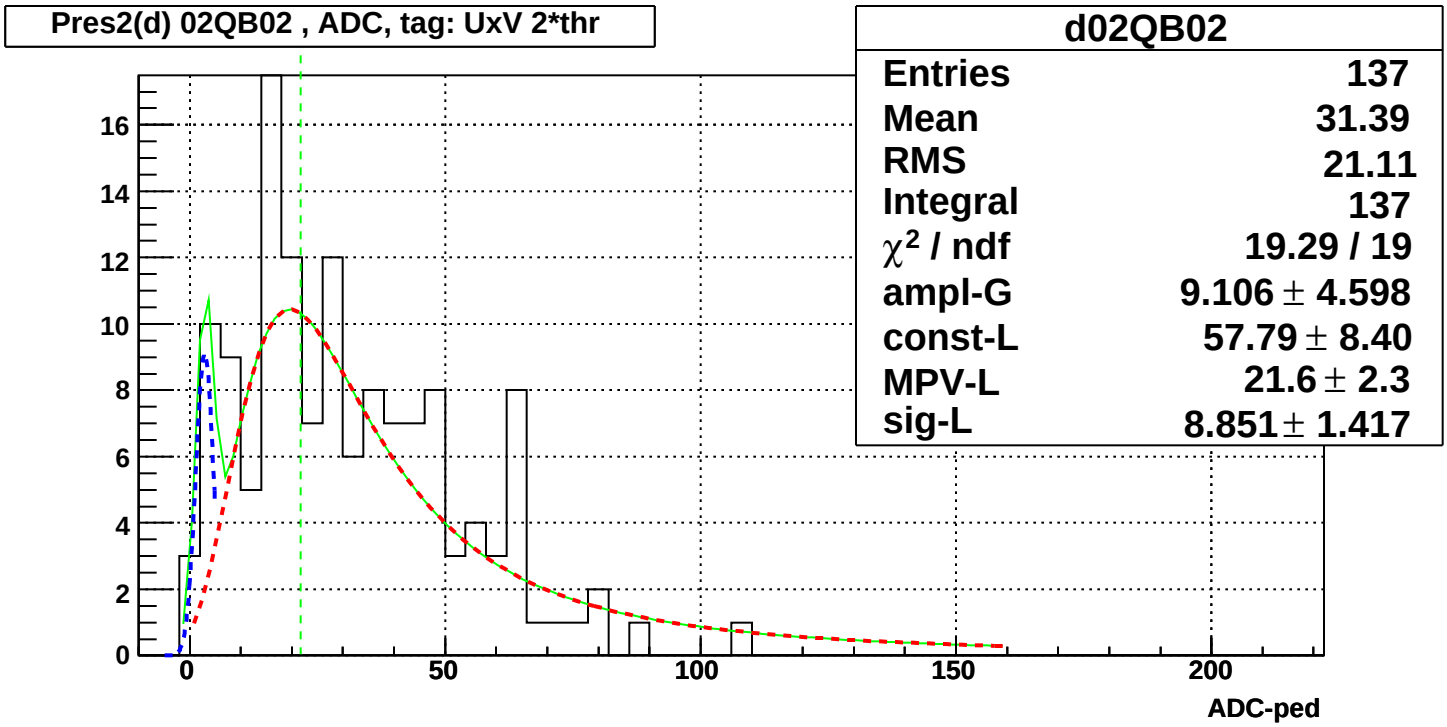

Pres1(a) 02PE02 , inclusive ADC
a02PE02
Entries 504000
Mean 1.347
RMS 8.072
Integral 5.037e+05
χ² / ndf 247 / 2
Constant 2.315e+06 ± 49044
Mean 0.5994 ± 0.0007
Sigma 0.05656 ± 0.00039
ADC-ped

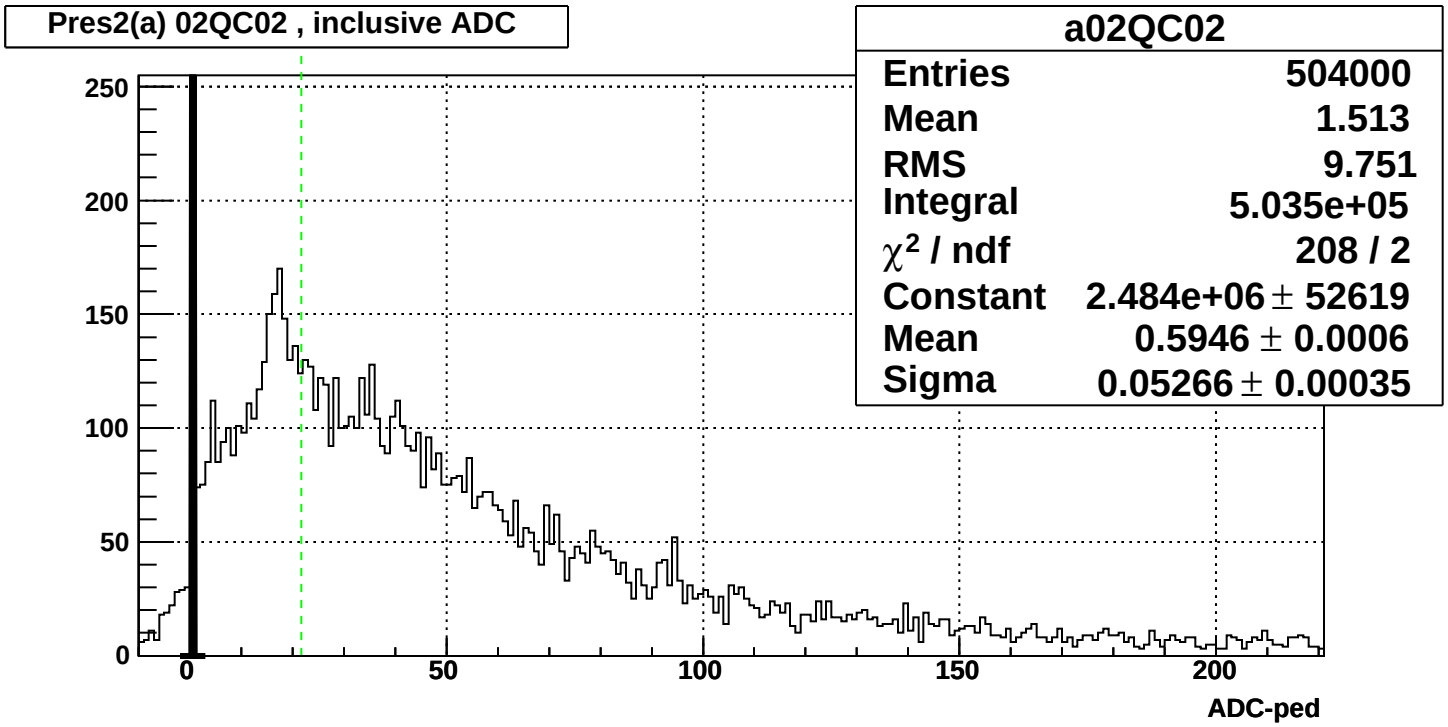

Pres1(d) 02PE02 , ADC, tag: UxV 2*thr
d02PE02
Entries 129
Mean 33.55
RMS 23.33
Integral 129
χ² / ndf 16.45 / 20
ampl-G -1.919 ± 5.693
const-L 52.89 ± 7.47
MPV-L 18.12 ± 4.24
sig-L 10.6 ± 1.7
ADC-ped

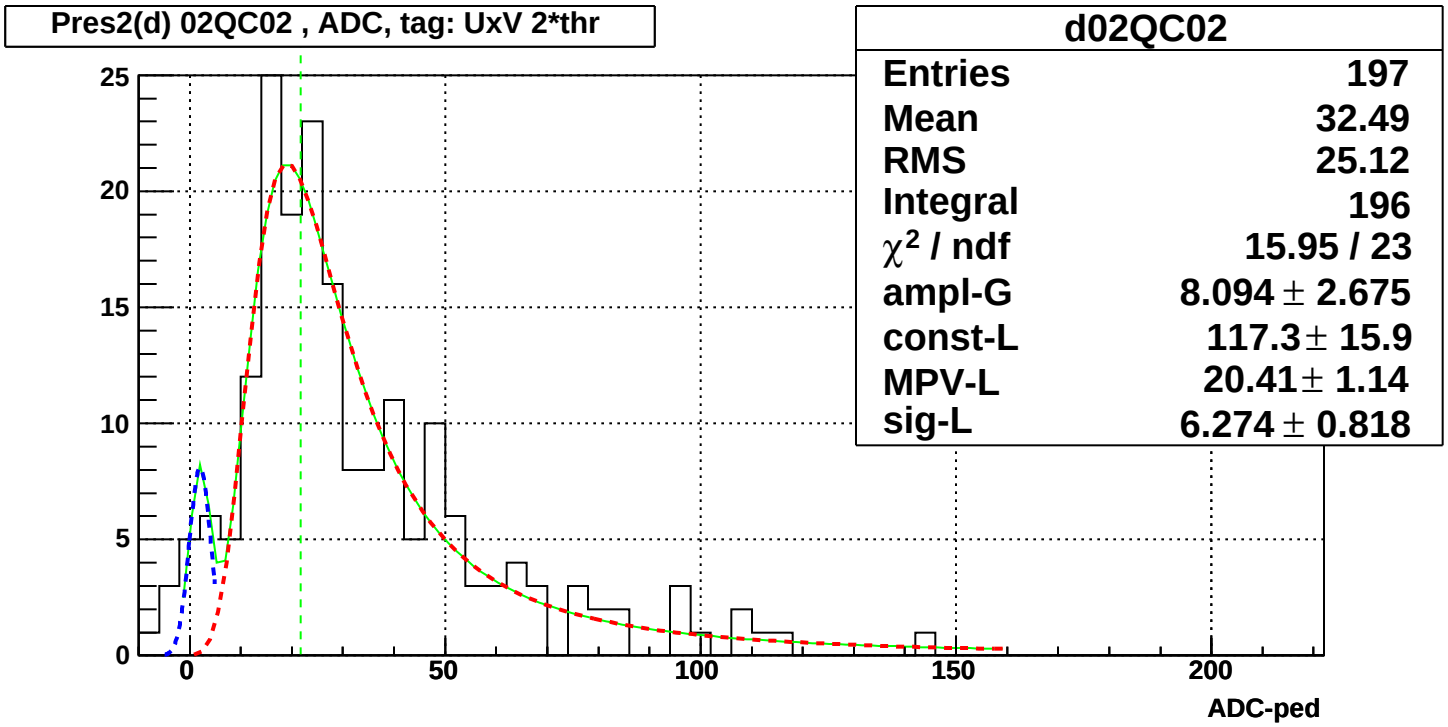

Pres2(a) 02QA02 , inclusive ADC
a02QA02
Entries 504000
Mean 1.522
RMS 9.86
Integral 5.034e+05
χ² / ndf 217 / 2
Constant 2.183e+06 ± 46235
Mean 0.5892 ± 0.0006
Sigma 0.05174 ± 0.00037
ADC-ped

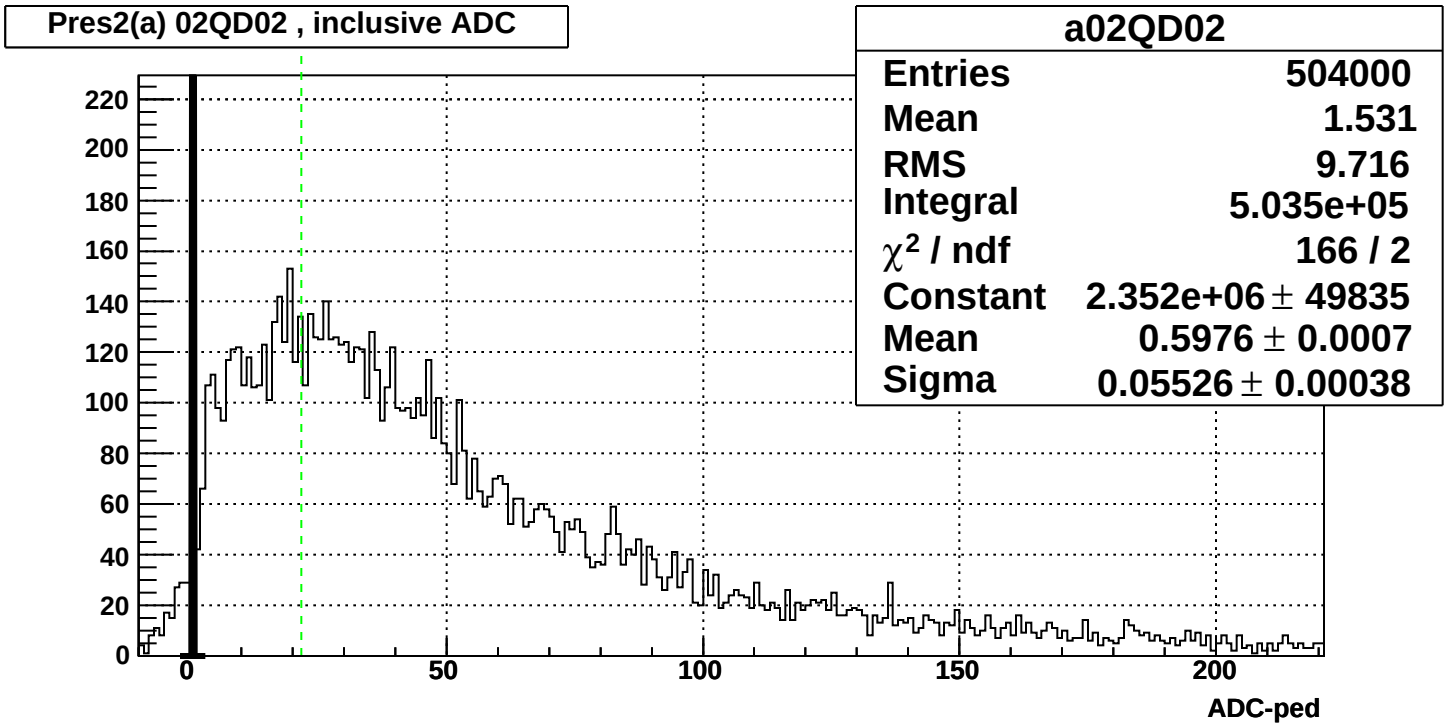

Pres2(d) 02QA02 , ADC, tag: UxV 2*thr
d02QA02
Entries 143
Mean 33.63
RMS 28.2
Integral 142
χ² / ndf 15.06 / 23
ampl-G 5.612 ± 5.188
const-L 62.13 ± 8.52
MPV-L 20.21 ± 2.85
sig-L 9.211 ± 1.509
ADC-ped

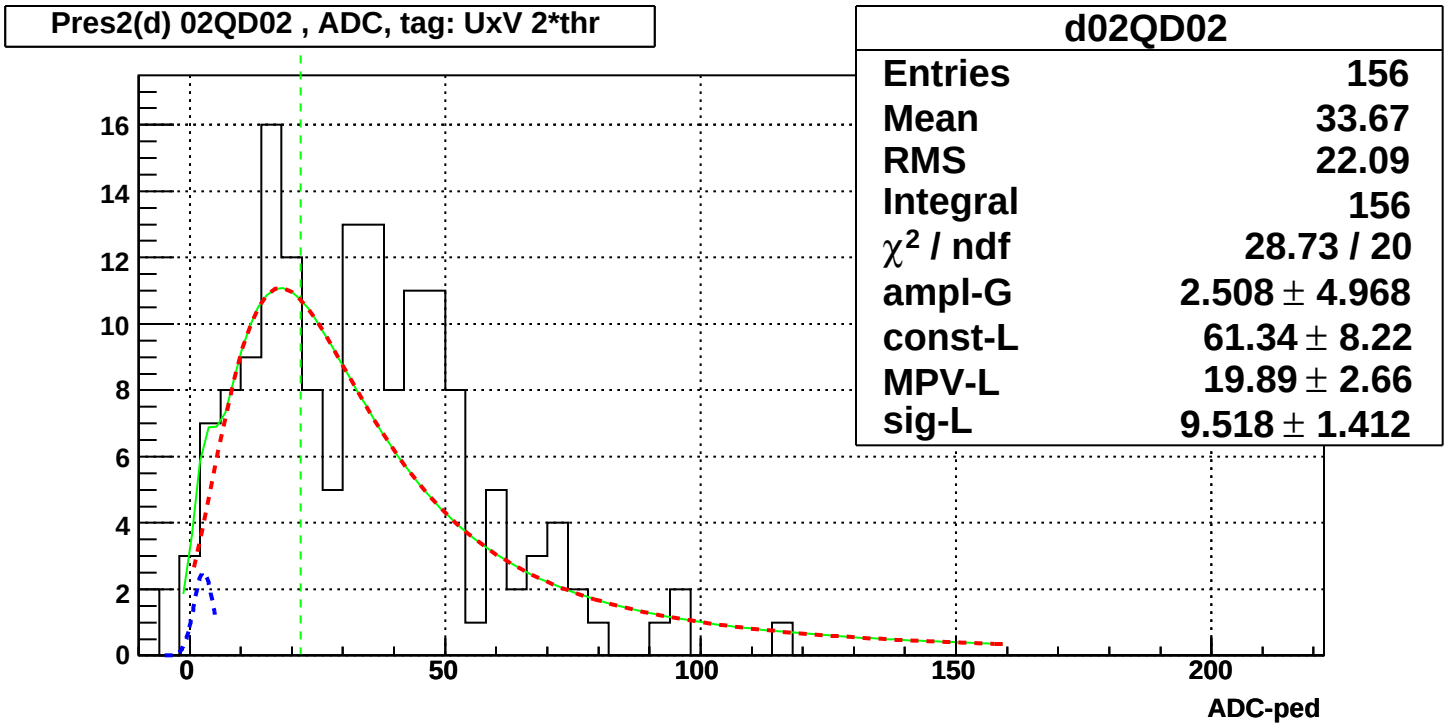

Pres2(a) 02QB02 , inclusive ADC
a02QB02
Entries 504000
Mean 1.521
RMS 9.768
Integral 5.035e+05
χ² / ndf 226 / 2
Constant 2.305e+06 ± 48817
Mean 0.5941 ± 0.0006
Sigma 0.05361 ± 0.00037
ADC-ped

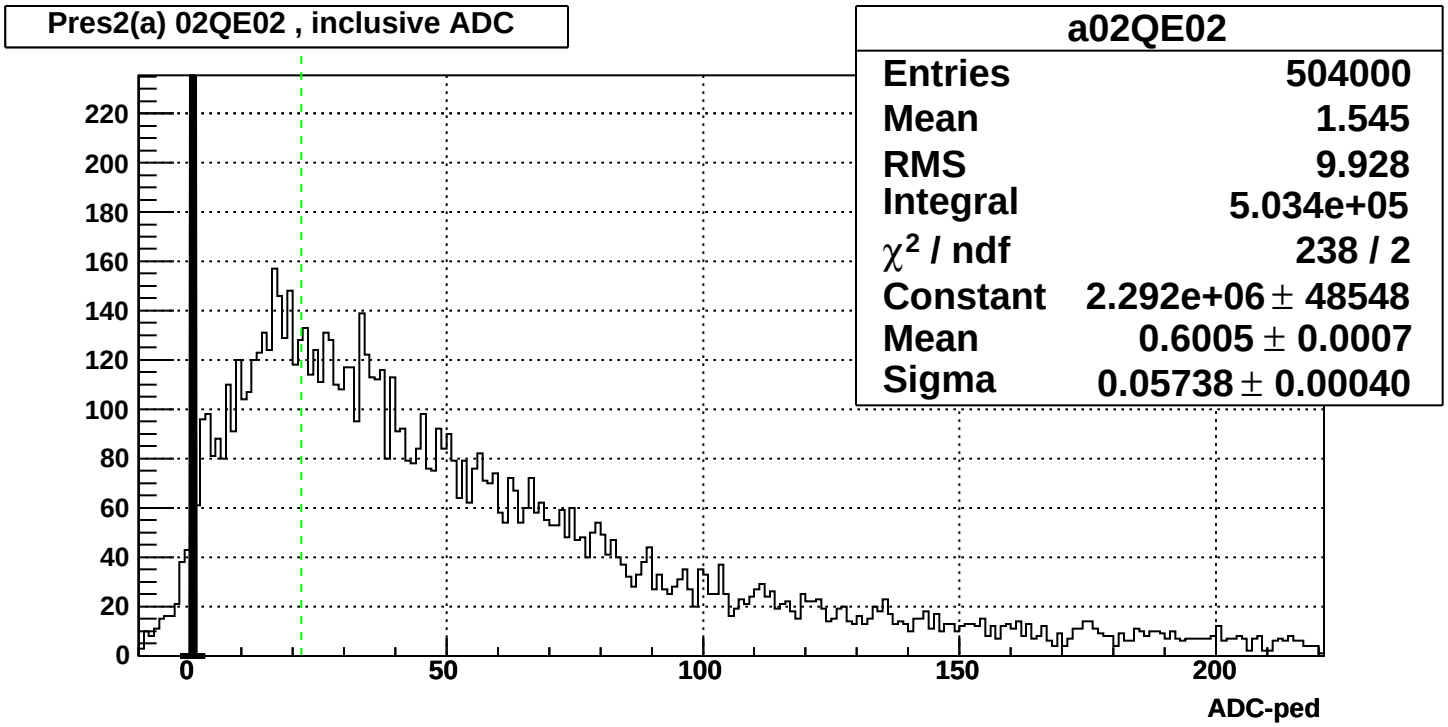

Pres2(d) 02QB02 , ADC, tag: UxV 2*thr
d02QB02
Entries 137
Mean 31.39
RMS 21.11
Integral 137
χ² / ndf 19.29 / 19
ampl-G 9.106 ± 4.598
const-L 57.79 ± 8.40
MPV-L 21.6 ± 2.3
sig-L 8.851 ± 1.417
ADC-ped

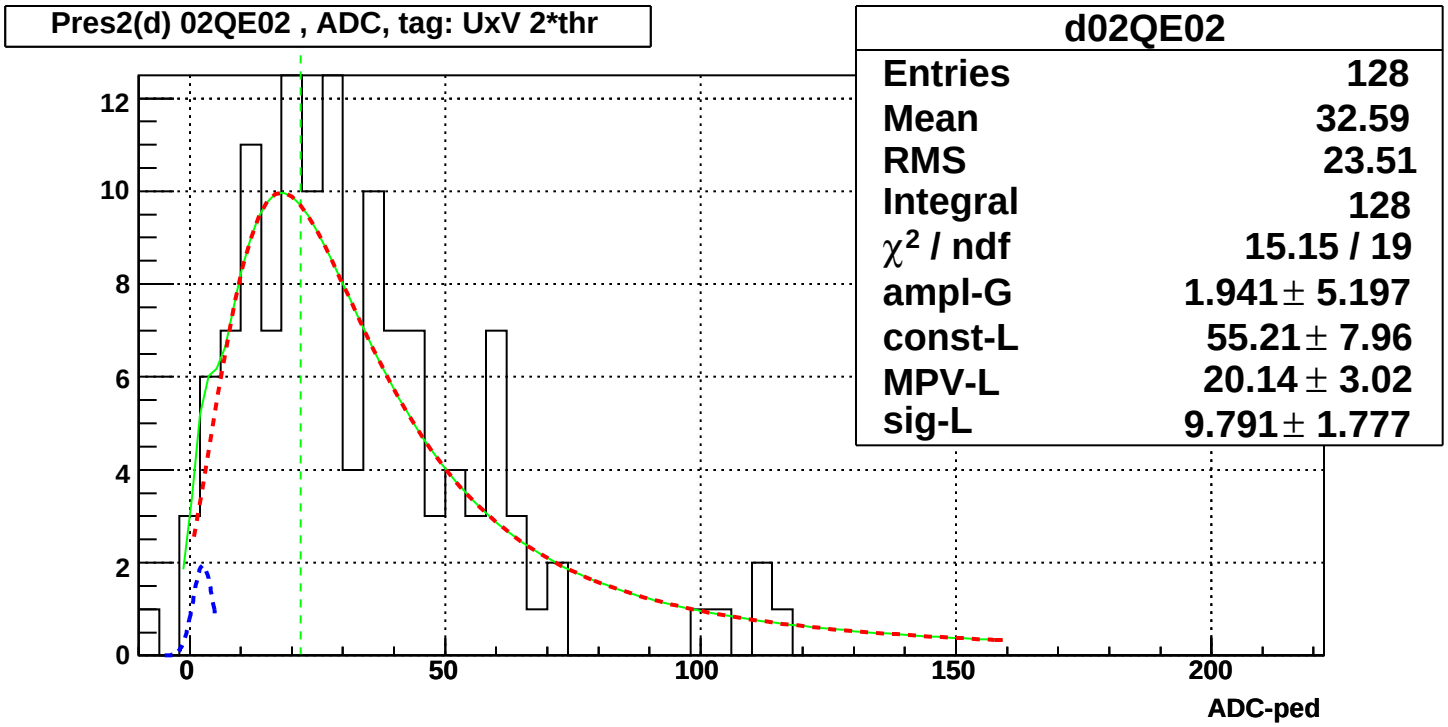

Pres2(a) 02QC02 , inclusive ADC
a02QC02
Entries 504000
Mean 1.513
RMS 9.751
Integral 5.035e+05
χ² / ndf 208 / 2
Constant 2.484e+06 ± 52619
Mean 0.5946 ± 0.0006
Sigma 0.05266 ± 0.00035
ADC-ped

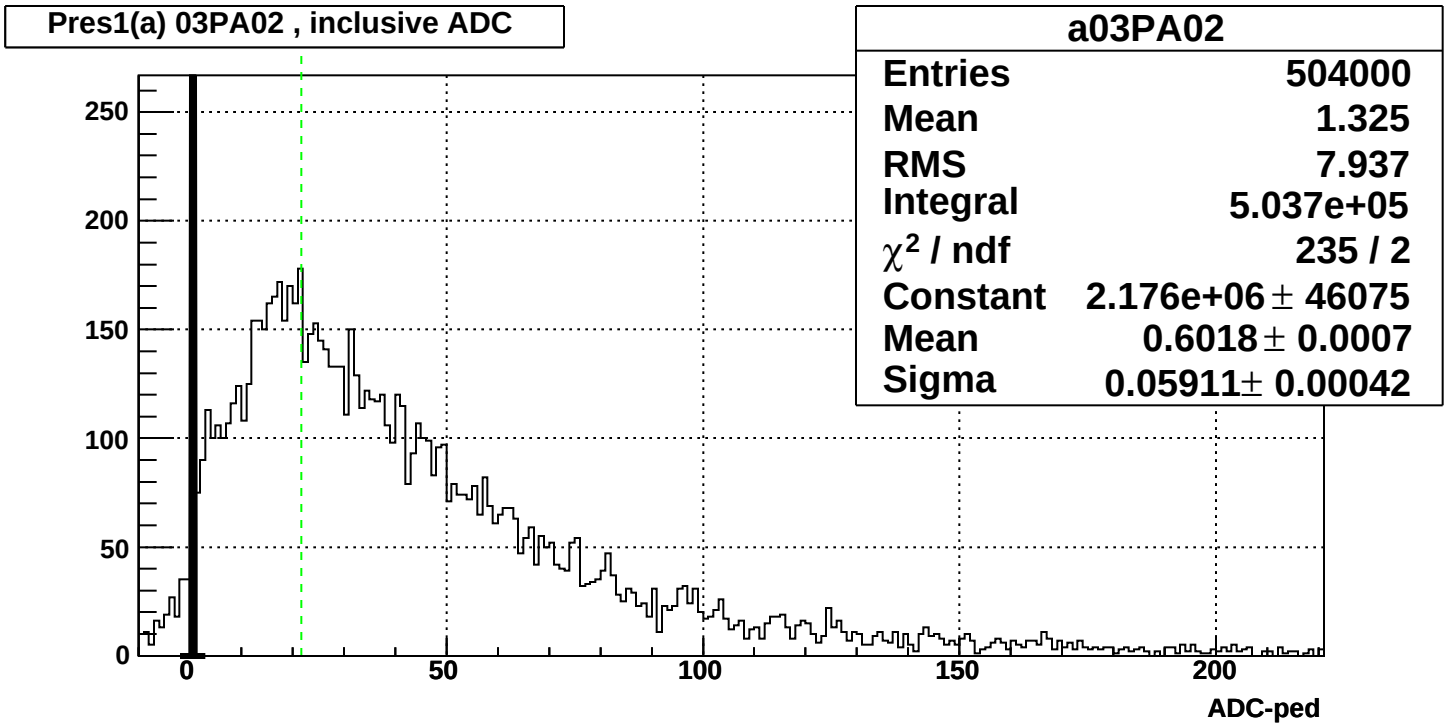

Pres2(d) 02QC02 , ADC, tag: UxV 2*thr
d02QC02
Entries 197
Mean 32.49
RMS 25.12
Integral 196
χ² / ndf 15.95 / 23
ampl-G 8.094 ± 2.675
const-L 117.3 ± 15.9
MPV-L 20.41 ± 1.14
sig-L 6.274 ± 0.818
ADC-ped

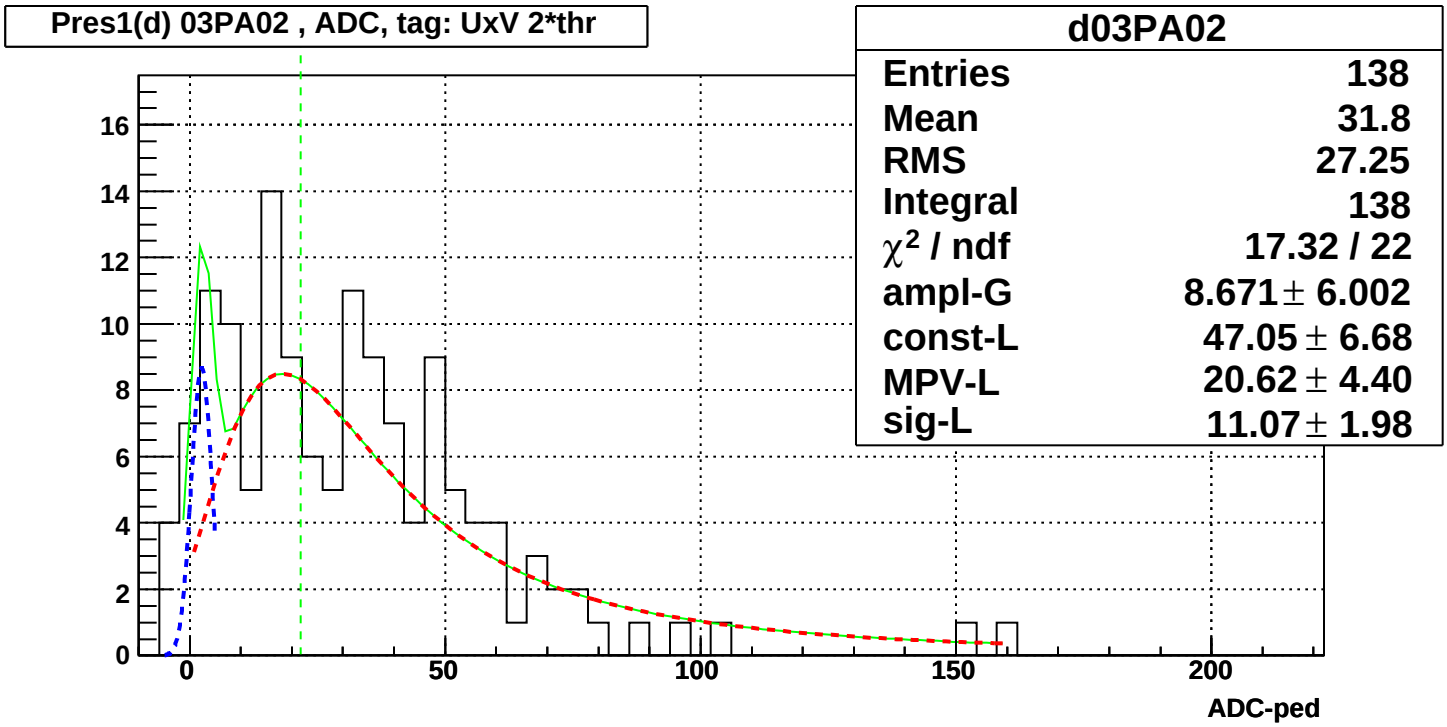

Pres2(a) 02QD02 , inclusive ADC
a02QD02
Entries 504000
Mean 1.531
RMS 9.716
Integral 5.035e+05
χ² / ndf 166 / 2
Constant 2.352e+06 ± 49835
Mean 0.5976 ± 0.0007
Sigma 0.05526 ± 0.00038
ADC-ped

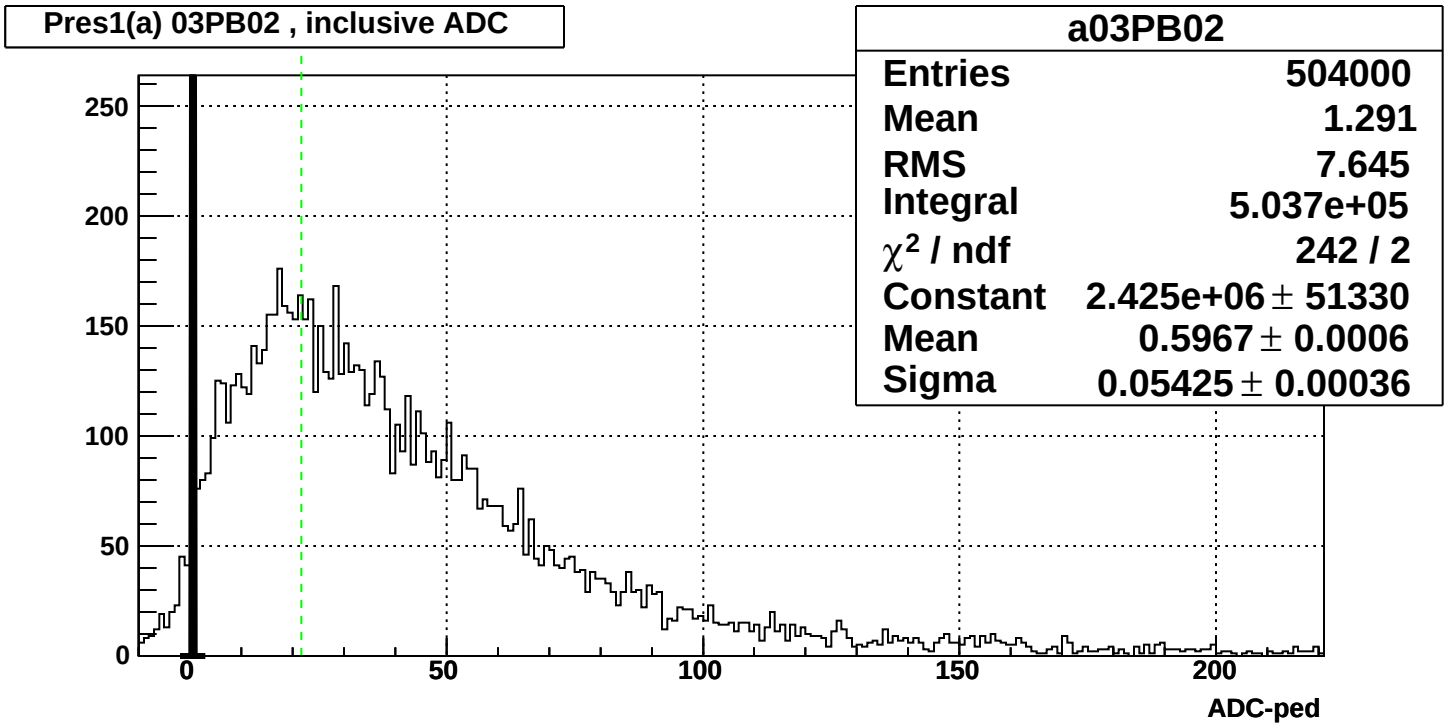

Pres2(d) 02QD02 , ADC, tag: UxV 2*thr
d02QD02
Entries 156
Mean 33.67
RMS 22.09
Integral 156
χ² / ndf 28.73 / 20
ampl-G 2.508 ± 4.968
const-L 61.34 ± 8.22
MPV-L 19.89 ± 2.66
sig-L 9.518 ± 1.412
ADC-ped

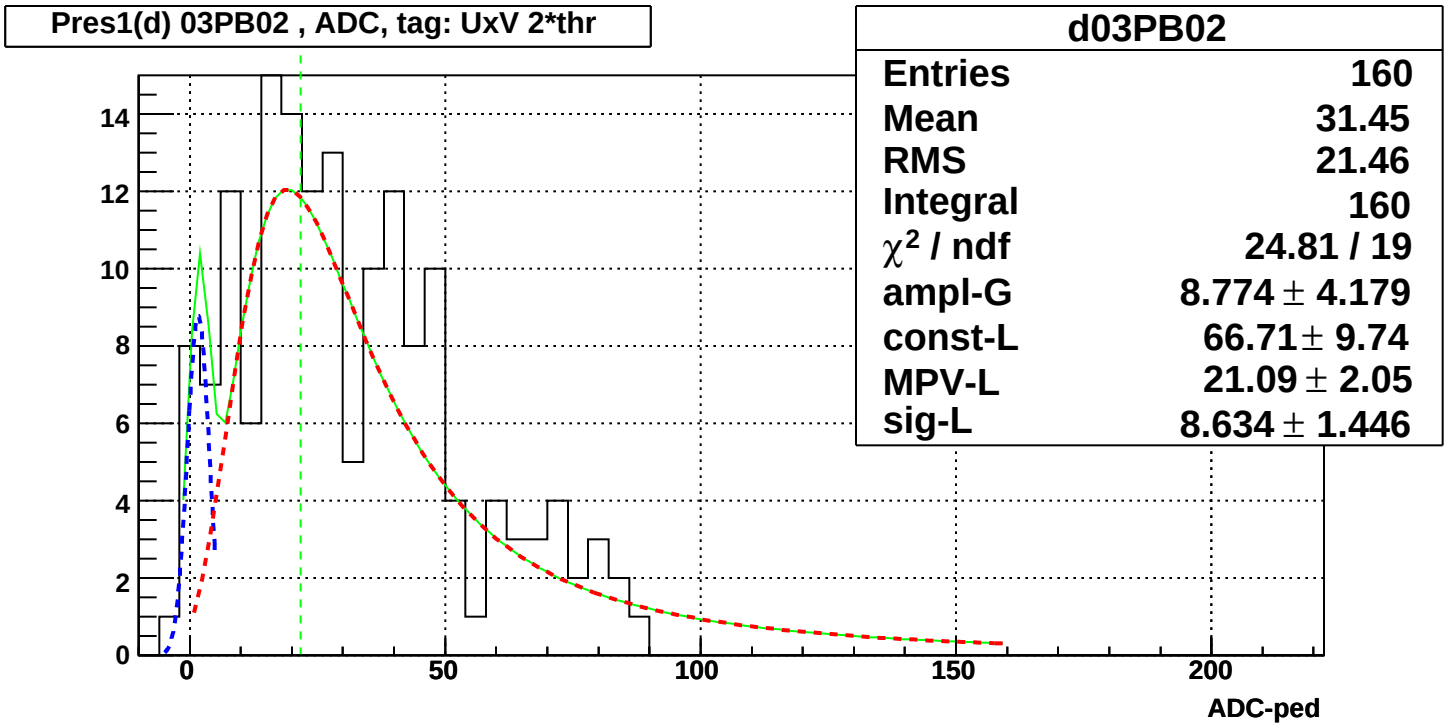

Pres2(a) 02QE02 , inclusive ADC
a02QE02
Entries 504000
Mean 1.545
RMS 9.928
Integral 5.034e+05
χ² / ndf 238 / 2
Constant 2.292e+06 ± 48548
Mean 0.6005 ± 0.0007
Sigma 0.05738 ± 0.00040
ADC-ped

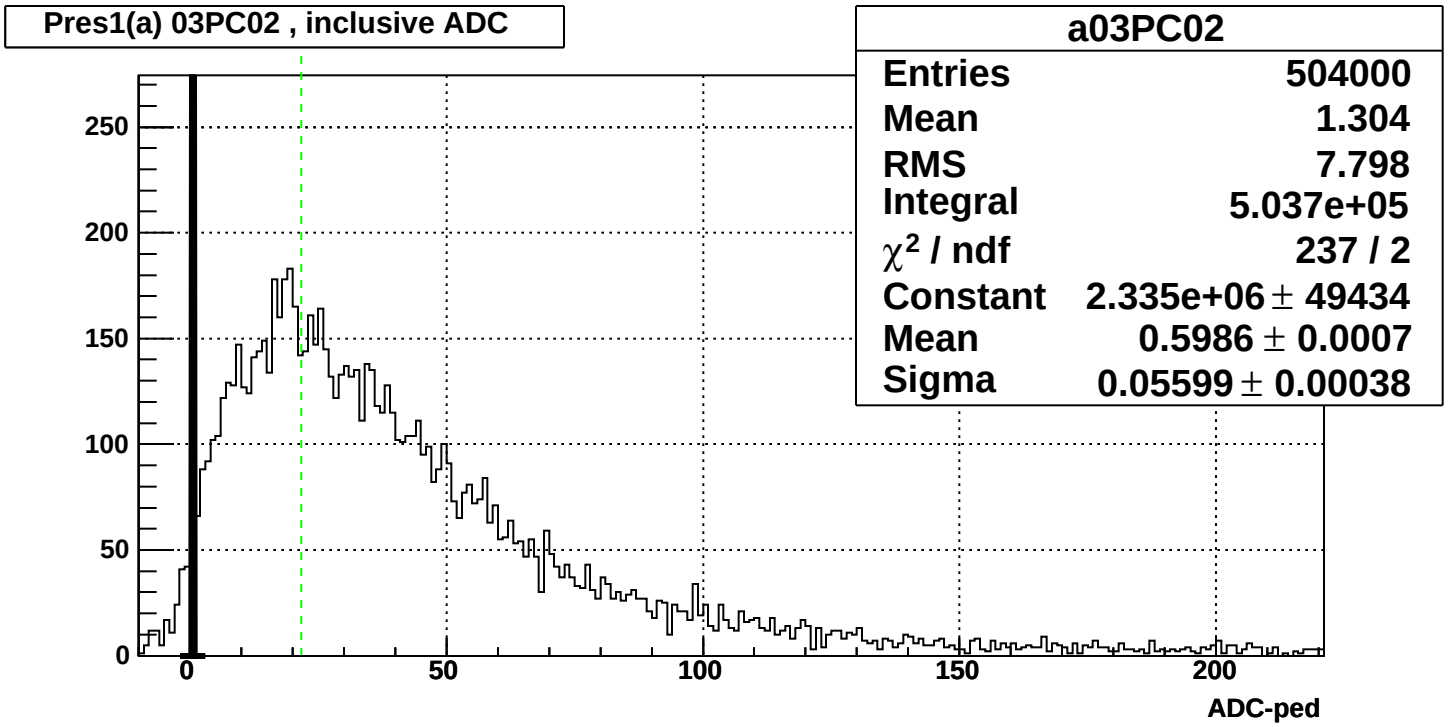

Pres2(d) 02QE02 , ADC, tag: UxV 2*thr
d02QE02
Entries 128
Mean 32.59
RMS 23.51
Integral 128
χ² / ndf 15.15 / 19
ampl-G 1.941 ± 5.197
const-L 55.21 ± 7.96
MPV-L 20.14 ± 3.02
sig-L 9.791 ± 1.777
ADC-ped

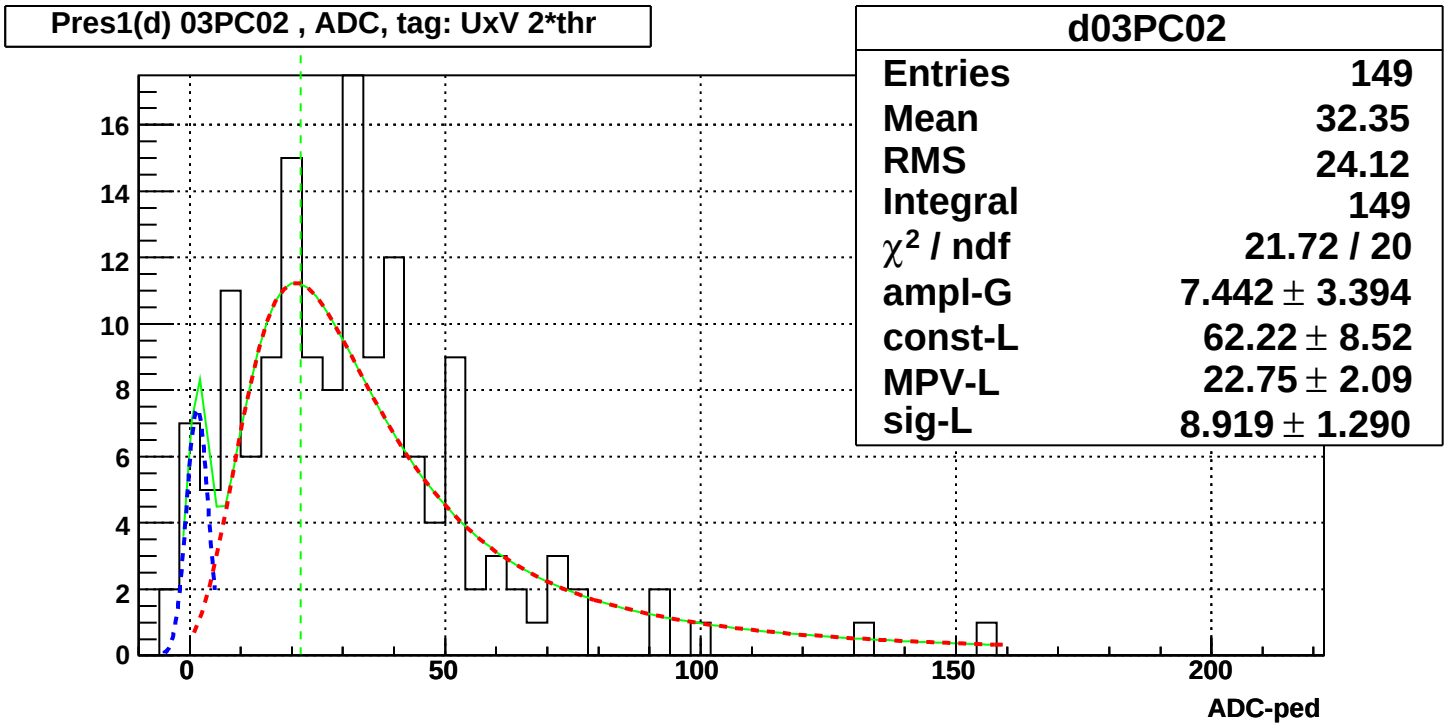

Pres1(a) 03PA02 , inclusive ADC
a03PA02
Entries 504000
Mean 1.325
RMS 7.937
Integral 5.037e+05
χ² / ndf 235 / 2
Constant 2.176e+06 ± 46075
Mean 0.6018 ± 0.0007
Sigma 0.05911 ± 0.00042
ADC-ped

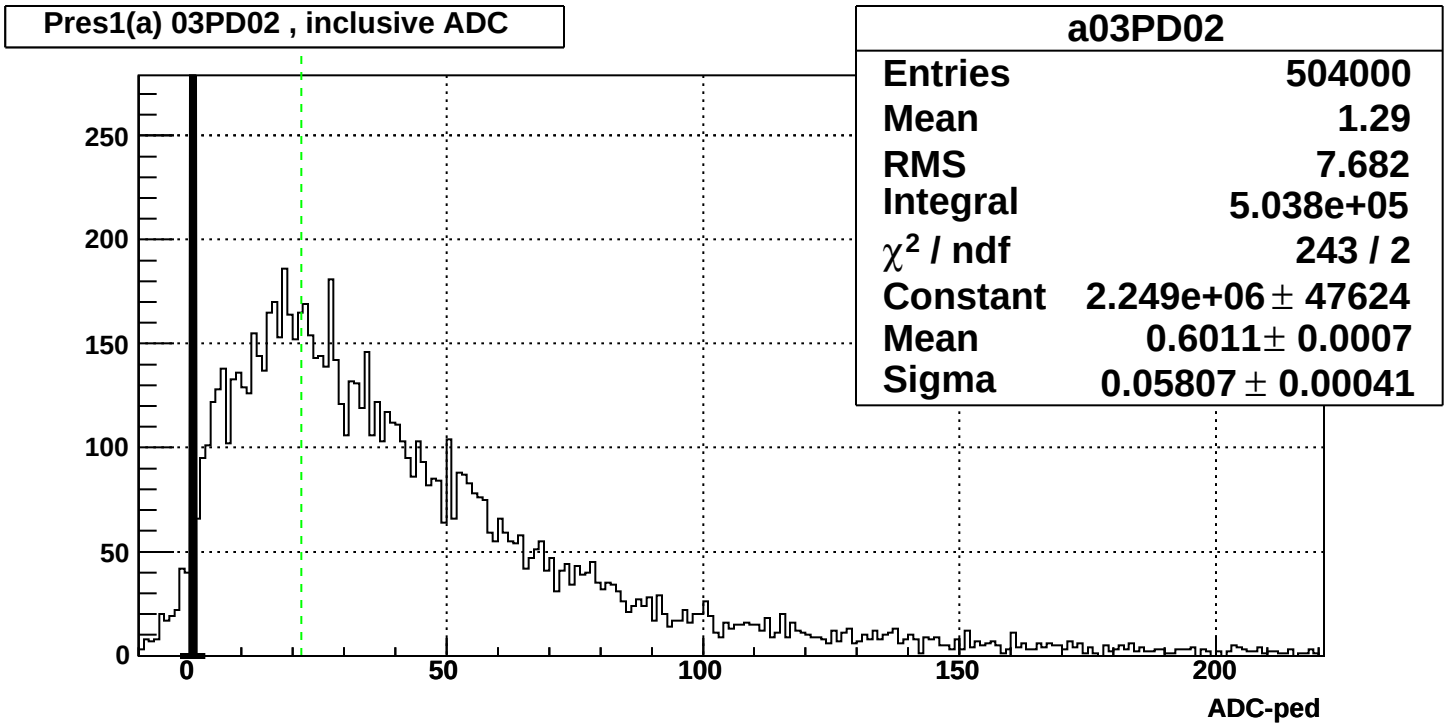

Pres1(d) 03PA02 , ADC, tag: UxV 2*thr
d03PA02
Entries 138
Mean 31.8
RMS 27.25
Integral 138
χ² / ndf 17.32 / 22
ampl-G 8.671 ± 6.002
const-L 47.05 ± 6.68
MPV-L 20.62 ± 4.40
sig-L 11.07 ± 1.98
ADC-ped

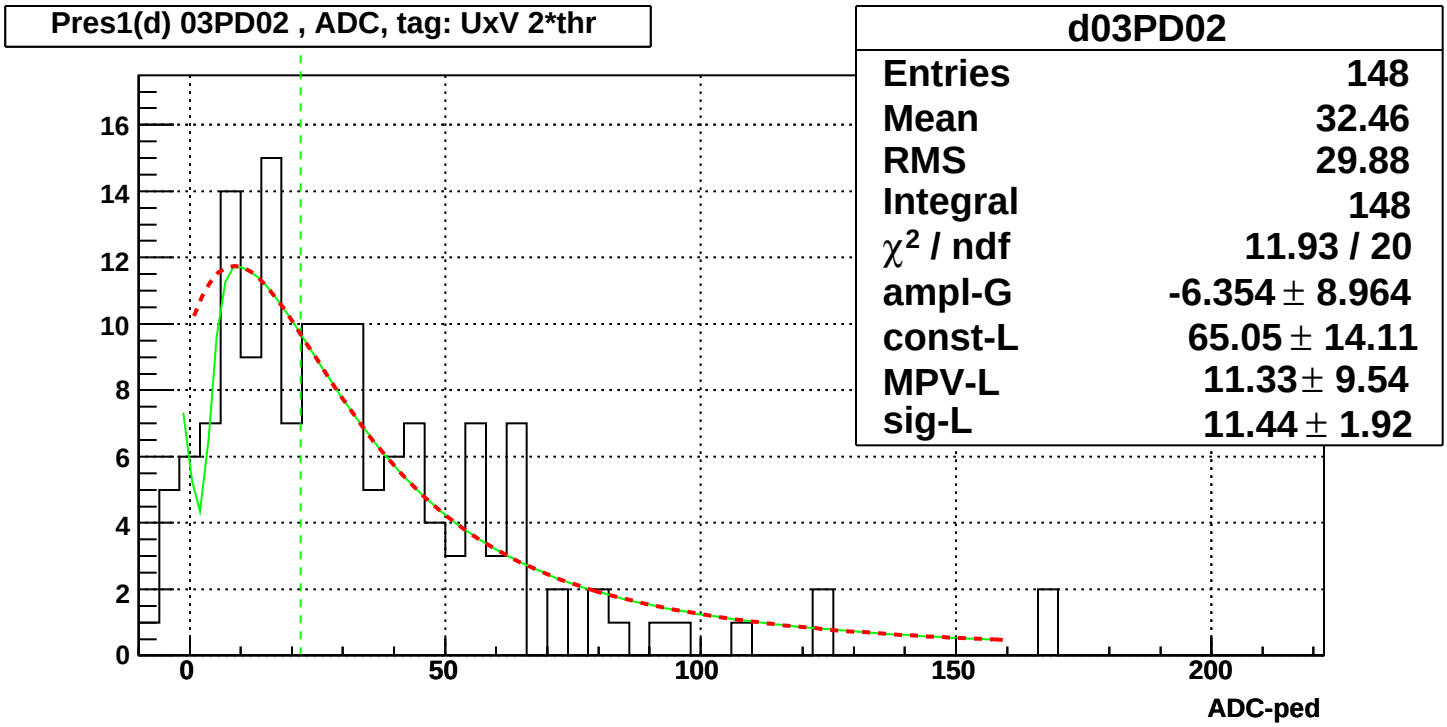

Pres1(a) 03PB02 , inclusive ADC
a03PB02
Entries 504000
Mean 1.291
RMS 7.645
Integral 5.037e+05
χ² / ndf 242 / 2
Constant 2.425e+06 ± 51330
Mean 0.5967 ± 0.0006
Sigma 0.05425 ± 0.00036
ADC-ped

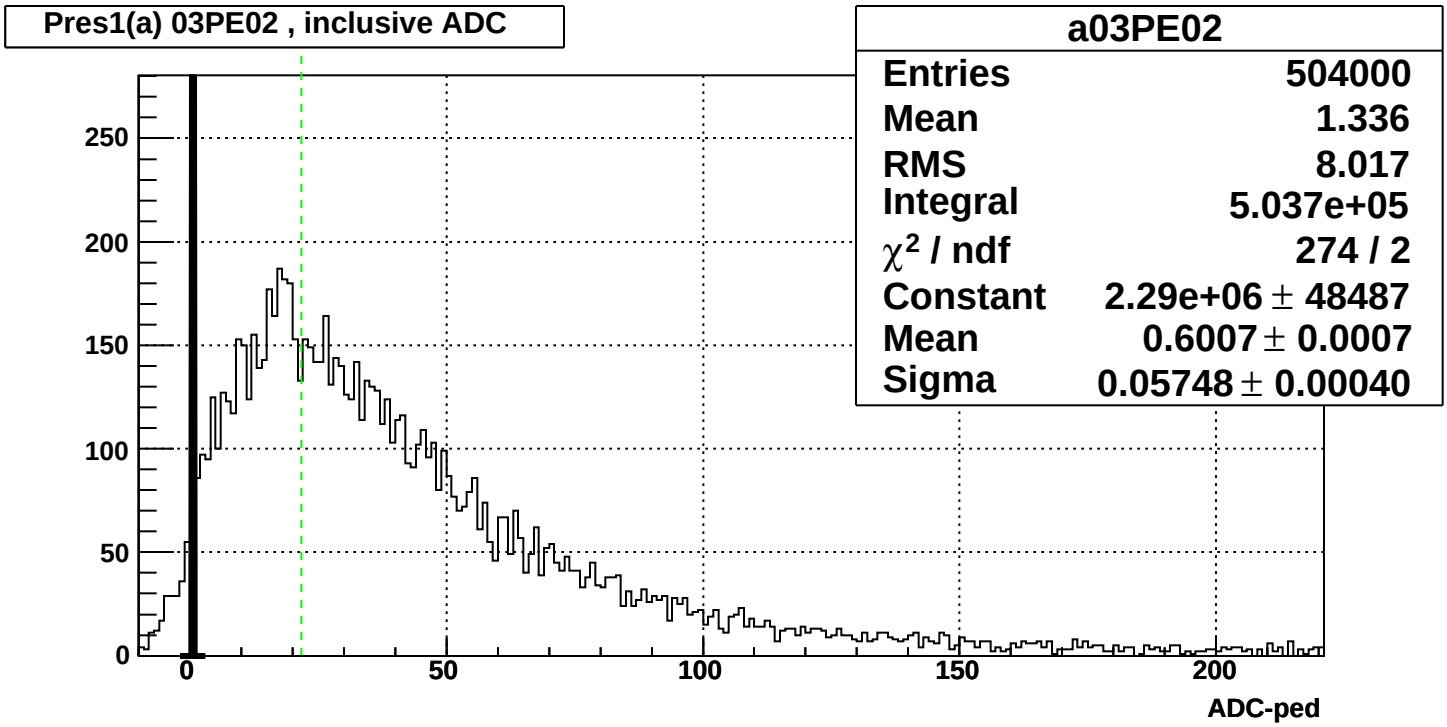

Pres1(d) 03PB02 , ADC, tag: UxV 2*thr
d03PB02
Entries 160
Mean 31.45
RMS 21.46
Integral 160
χ² / ndf 24.81 / 19
ampl-G 8.774 ± 4.179
const-L 66.71 ± 9.74
MPV-L 21.09 ± 2.05
sig-L 8.634 ± 1.446
ADC-ped

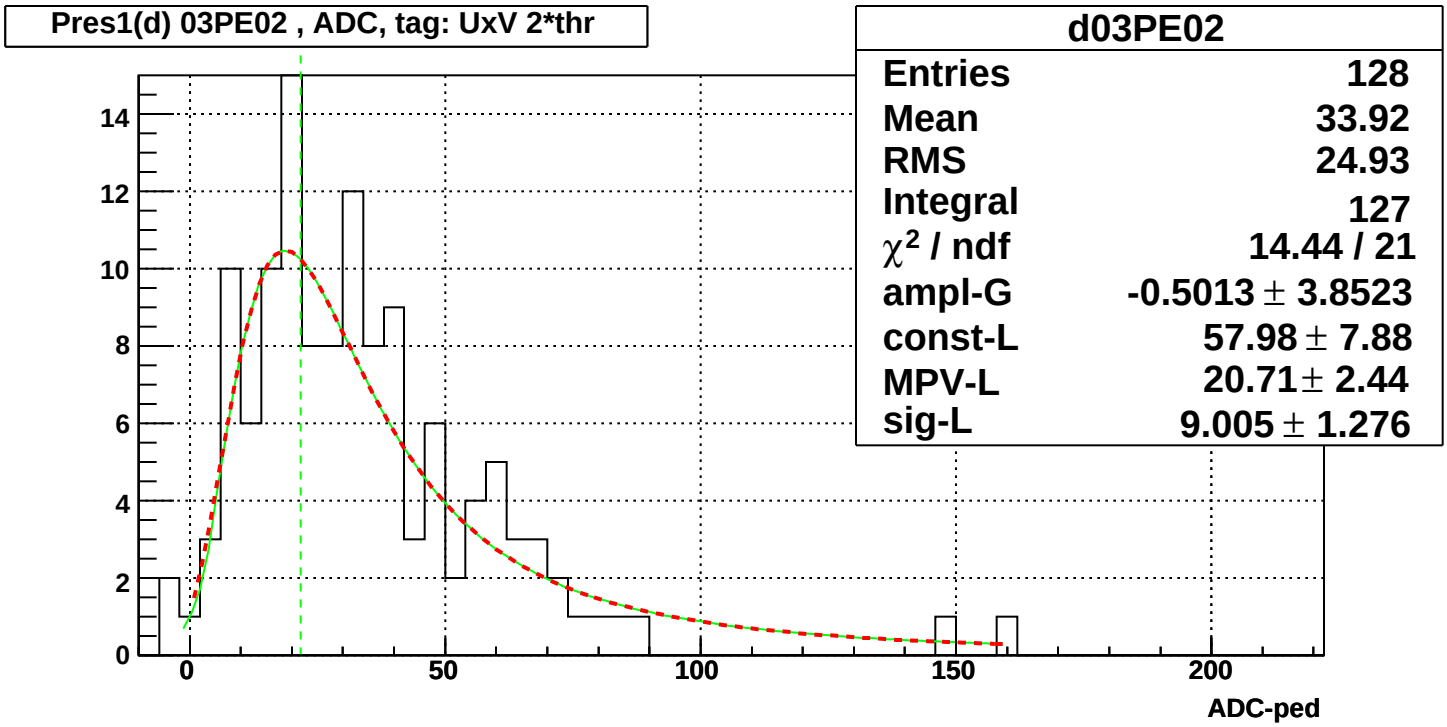

Pres1(a) 03PC02 , inclusive ADC
a03PC02
Entries 504000
Mean 1.304
RMS 7.798
Integral 5.037e+05
χ² / ndf 237 / 2
Constant 2.335e+06 ± 49434
Mean 0.5986 ± 0.0007
Sigma 0.05599 ± 0.00038
ADC-ped

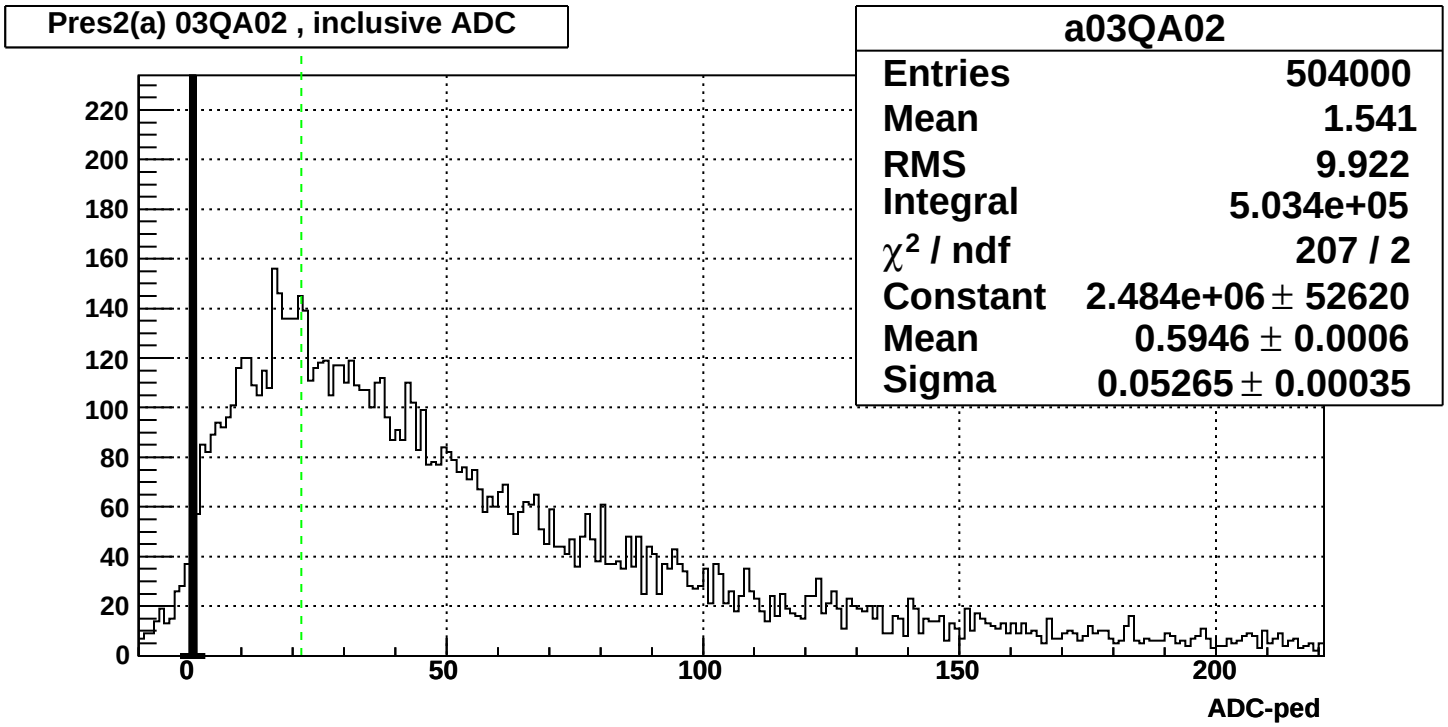

Pres1(d) 03PC02 , ADC, tag: UxV 2*thr
d03PC02
Entries 149
Mean 32.35
RMS 24.12
Integral 149
χ² / ndf 21.72 / 20
ampl-G 7.442 ± 3.394
const-L 62.22 ± 8.52
MPV-L 22.75 ± 2.09
sig-L 8.919 ± 1.290
ADC-ped

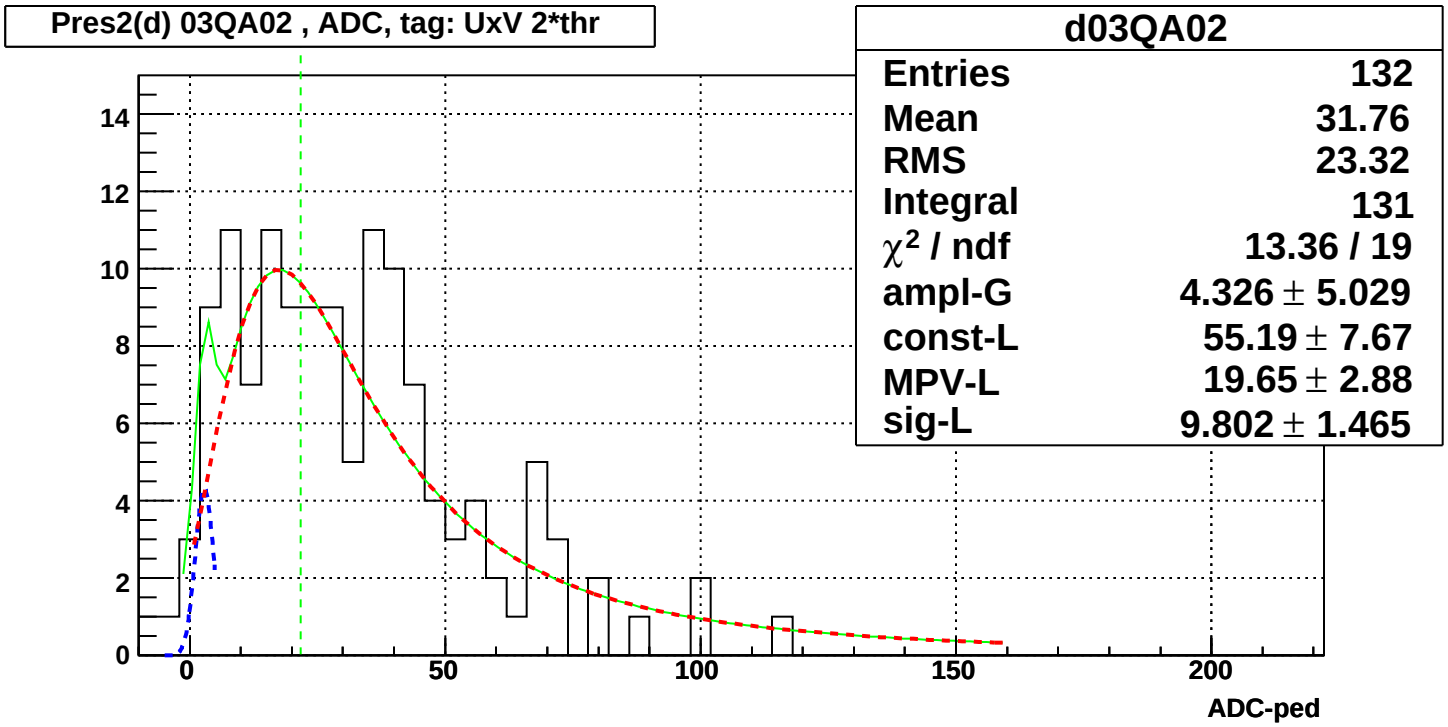

Pres1(a) 03PD02 , inclusive ADC
a03PD02
Entries 504000
Mean 1.29
RMS 7.682
Integral 5.038e+05
χ² / ndf 243 / 2
Constant 2.249e+06 ± 47624
Mean 0.6011 ± 0.0007
Sigma 0.05807 ± 0.00041
ADC-ped

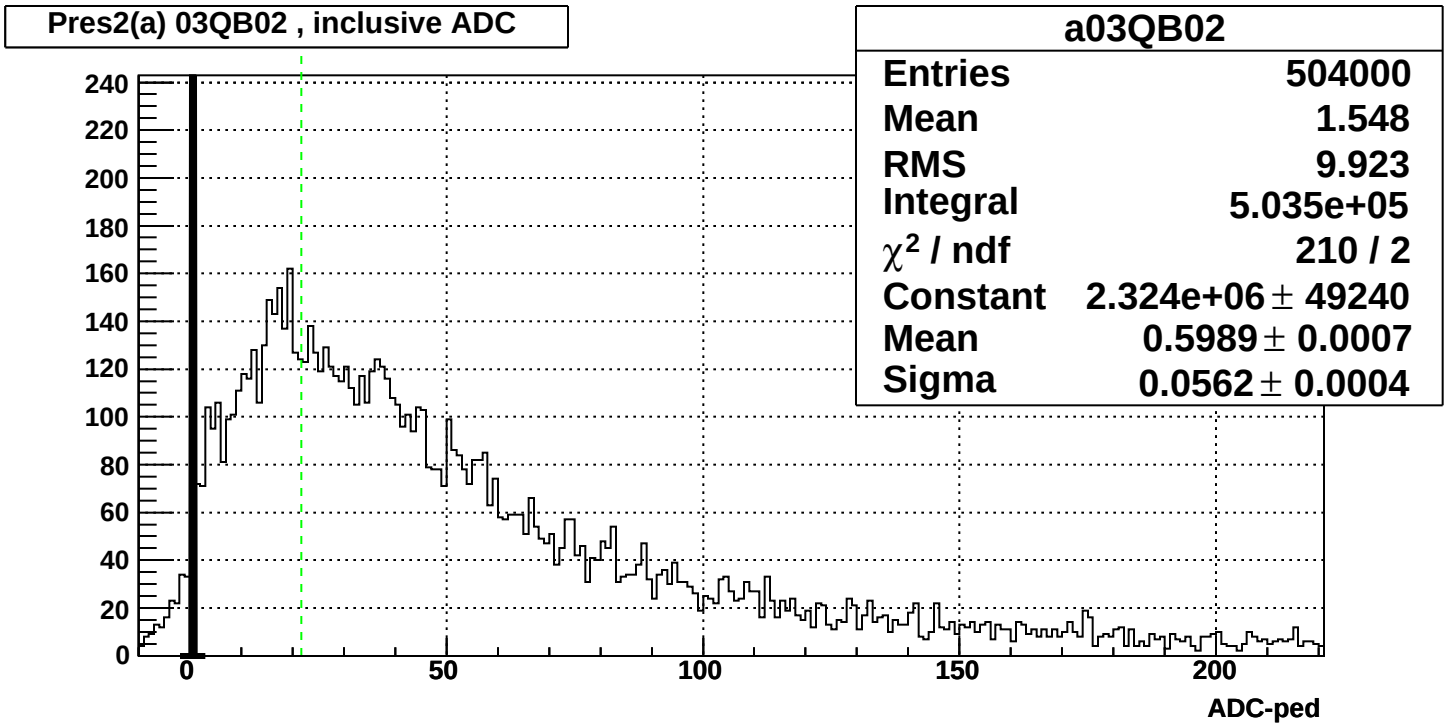

Pres1(d) 03PD02 , ADC, tag: UxV 2*thr
d03PD02
Entries 148
Mean 32.46
RMS 29.88
Integral 148
χ² / ndf 11.93 / 20
ampl-G -6.354 ± 8.964
const-L 65.05 ± 14.11
MPV-L 11.33 ± 9.54
sig-L 11.44 ± 1.92
ADC-ped

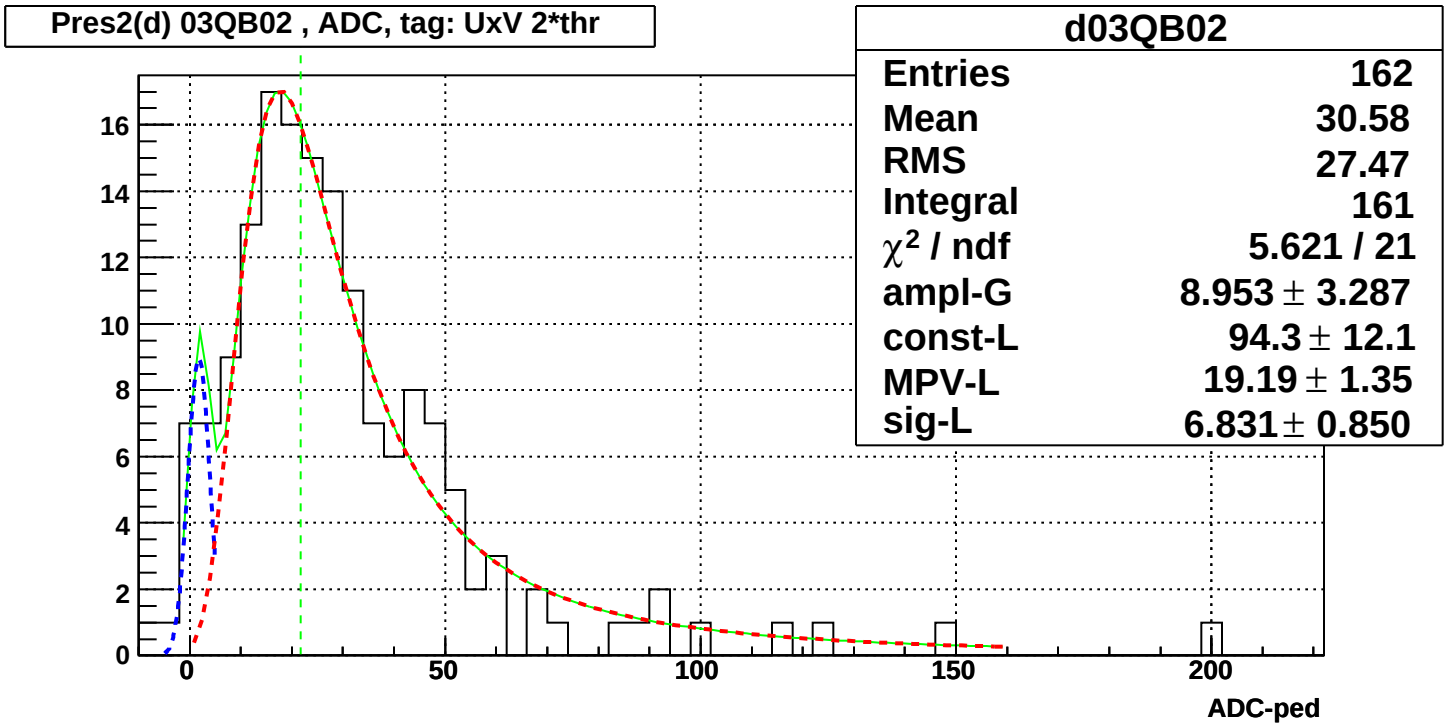

Pres1(a) 03PE02 , inclusive ADC
a03PE02
Entries 504000
Mean 1.336
RMS 8.017
Integral 5.037e+05
χ² / ndf 274 / 2
Constant 2.29e+06 ± 48487
Mean 0.6007 ± 0.0007
Sigma 0.05748 ± 0.00040
ADC-ped

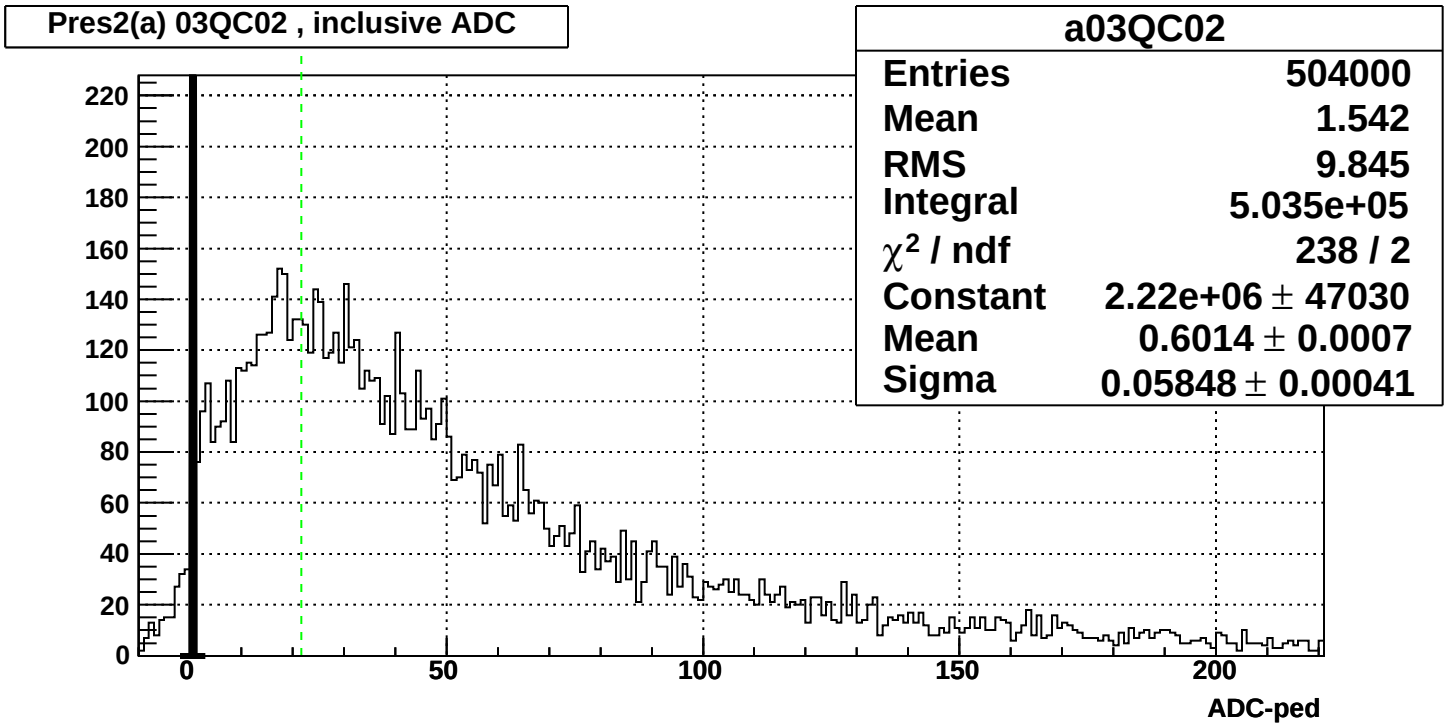

Pres1(d) 03PE02 , ADC, tag: UxV 2*thr
d03PE02
Entries 128
Mean 33.92
RMS 24.93
Integral 127
χ² / ndf 14.44 / 21
ampl-G -0.5013 ± 3.8523
const-L 57.98 ± 7.88
MPV-L 20.71 ± 2.44
sig-L 9.005 ± 1.276
ADC-ped

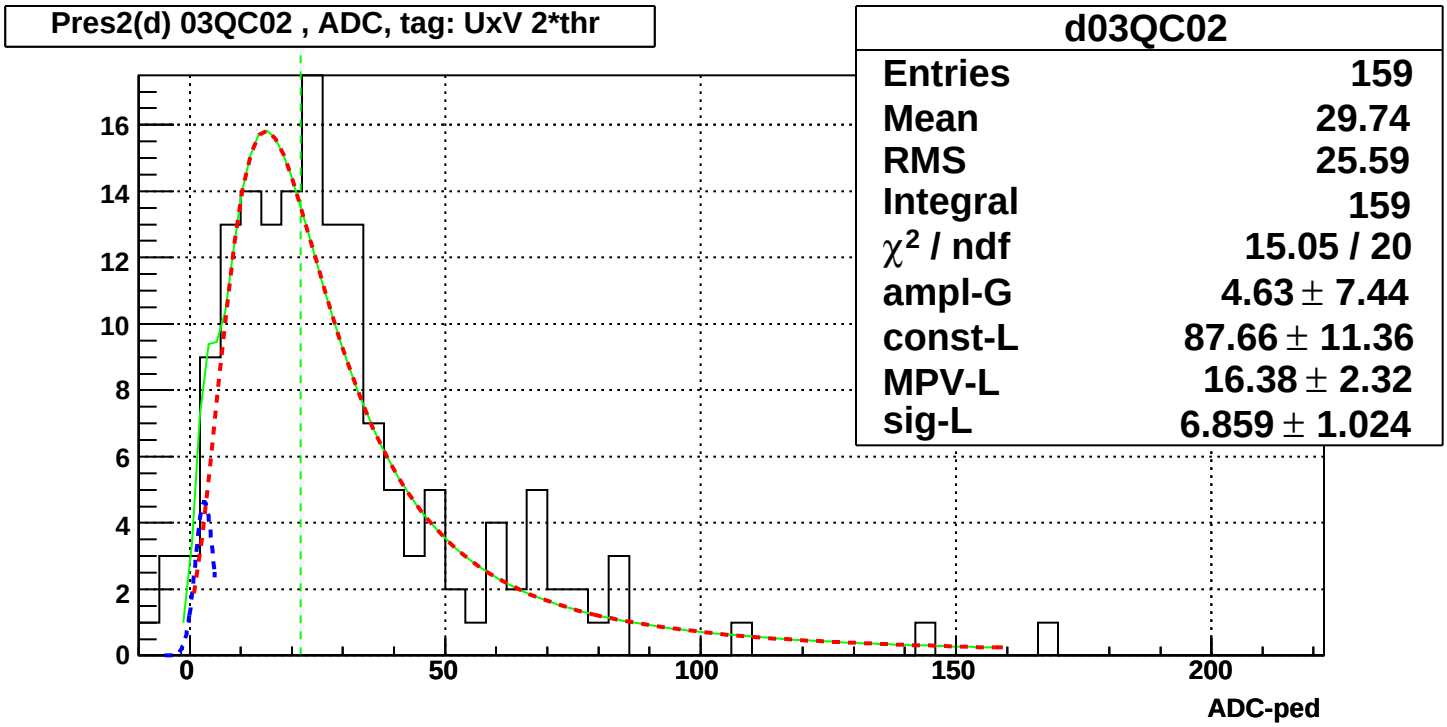

Pres2(a) 03QA02 , inclusive ADC
a03QA02
Entries 504000
Mean 1.541
RMS 9.922
Integral 5.034e+05
χ² / ndf 207 / 2
Constant 2.484e+06 ± 52620
Mean 0.5946 ± 0.0006
Sigma 0.05265 ± 0.00035
ADC-ped

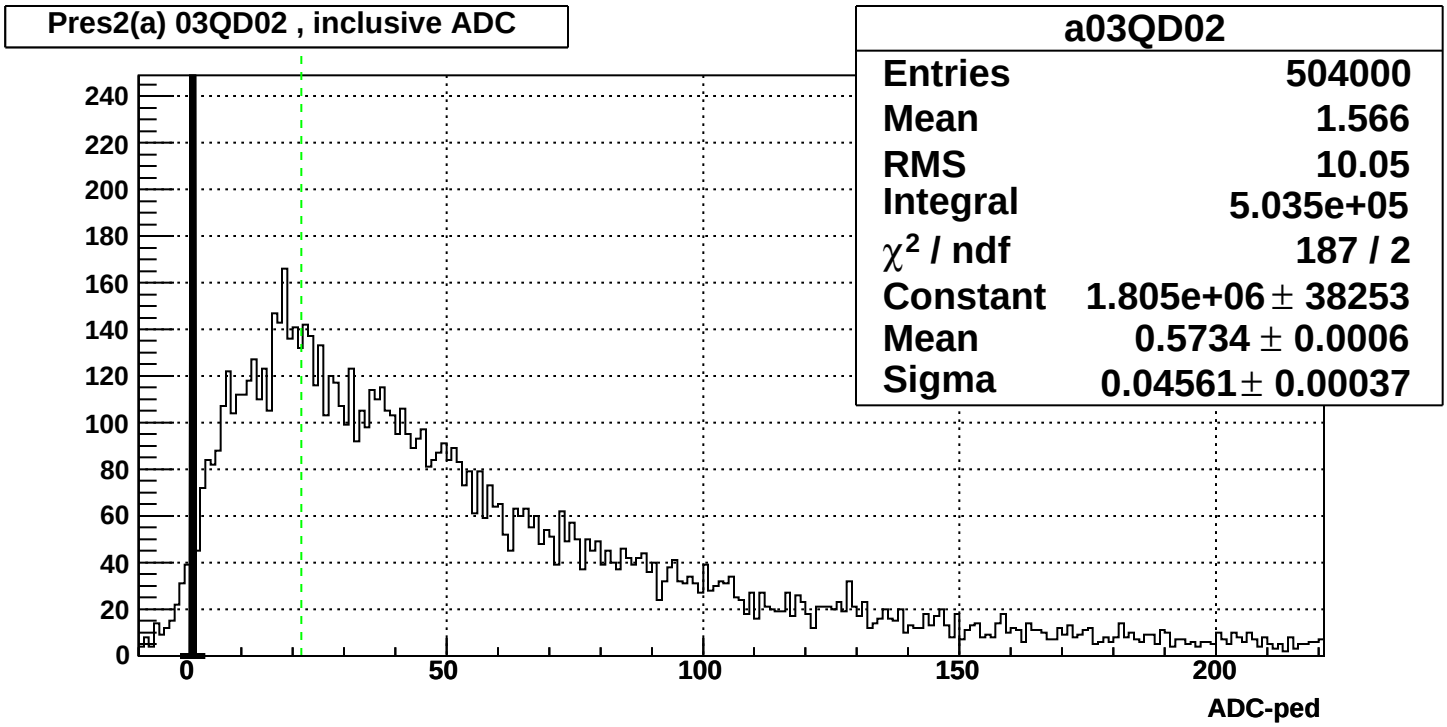

Pres2(d) 03QA02 , ADC, tag: UxV 2*thr
d03QA02
Entries 132
Mean 31.76
RMS 23.32
Integral 131
χ² / ndf 13.36 / 19
ampl-G 4.326 ± 5.029
const-L 55.19 ± 7.67
MPV-L 19.65 ± 2.88
sig-L 9.802 ± 1.465
ADC-ped

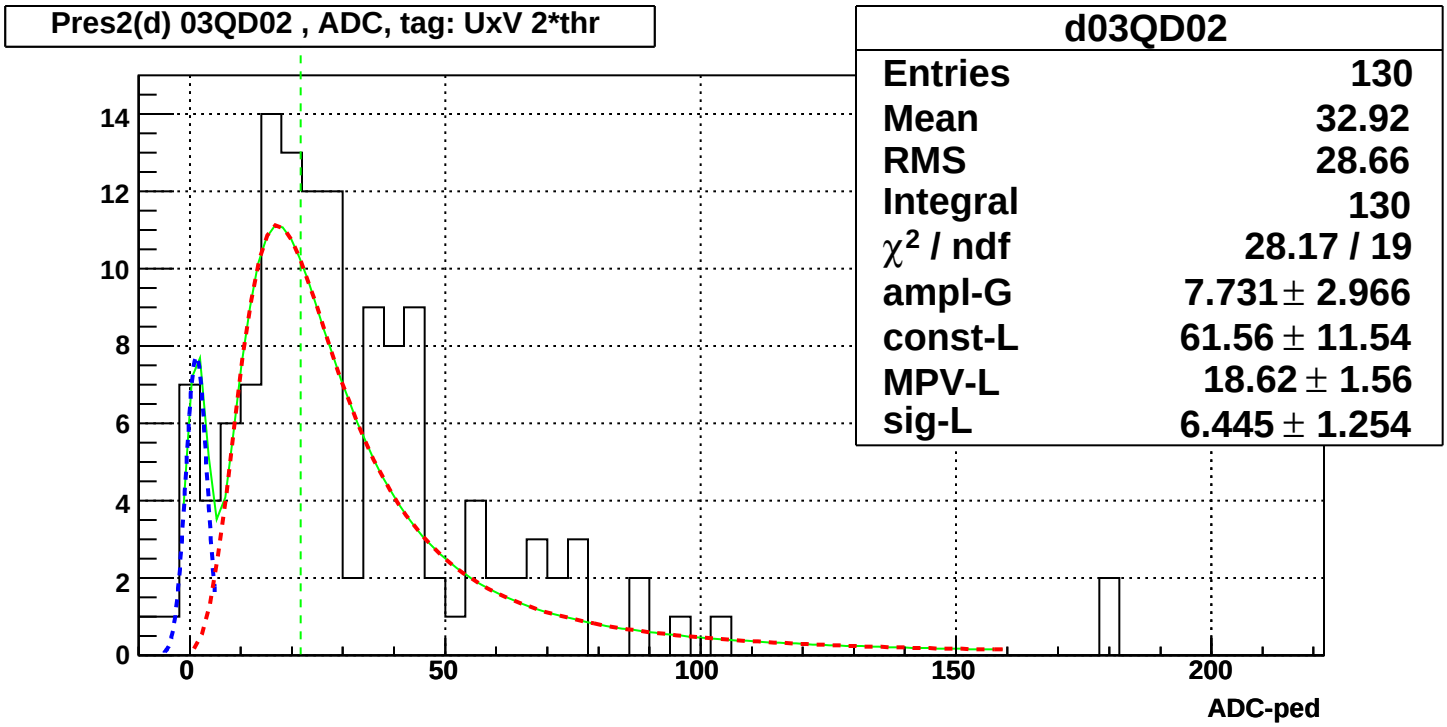

Pres2(a) 03QB02 , inclusive ADC
a03QB02
Entries 504000
Mean 1.548
RMS 9.923
Integral 5.035e+05
χ² / ndf 210 / 2
Constant 2.324e+06 ± 49240
Mean 0.5989 ± 0.0007
Sigma 0.0562 ± 0.0004
ADC-ped

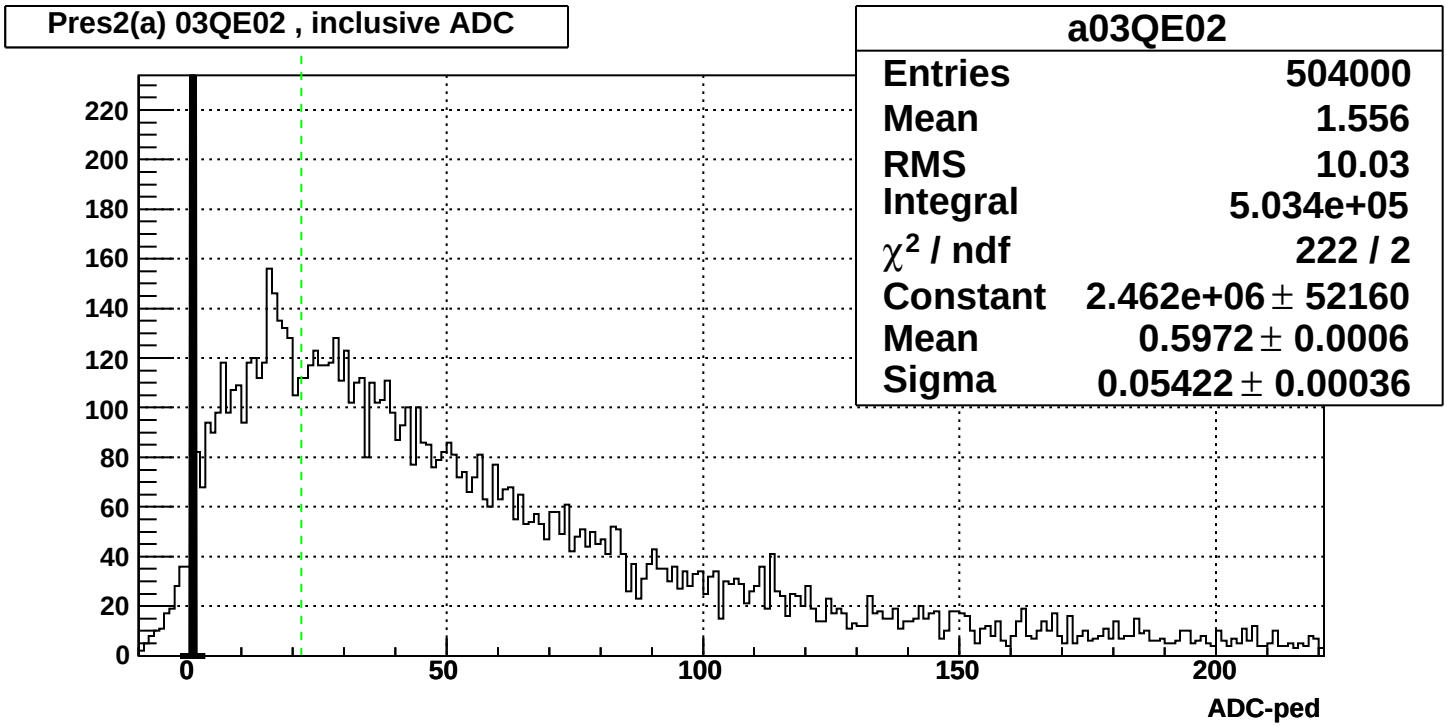

Pres2(d) 03QB02 , ADC, tag: UxV 2*thr
d03QB02
Entries 162
Mean 30.58
RMS 27.47
Integral 161
χ² / ndf 5.621 / 21
ampl-G 8.953 ± 3.287
const-L 94.3 ± 12.1
MPV-L 19.19 ± 1.35
sig-L 6.831 ± 0.850
ADC-ped

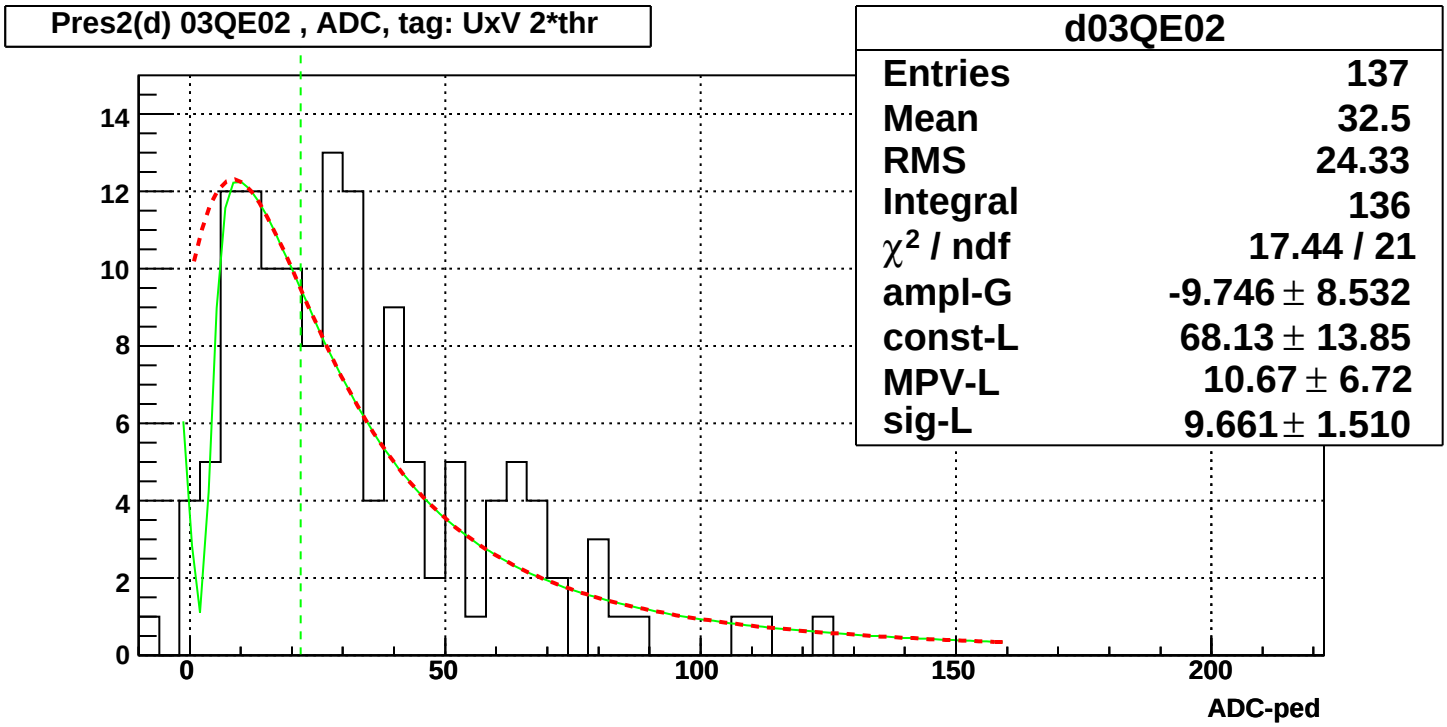

Pres2(a) 03QC02 , inclusive ADC
a03QC02
Entries 504000
Mean 1.542
RMS 9.845
Integral 5.035e+05
χ² / ndf 238 / 2
Constant 2.22e+06 ± 47030
Mean 0.6014 ± 0.0007
Sigma 0.05848 ± 0.00041
ADC-ped

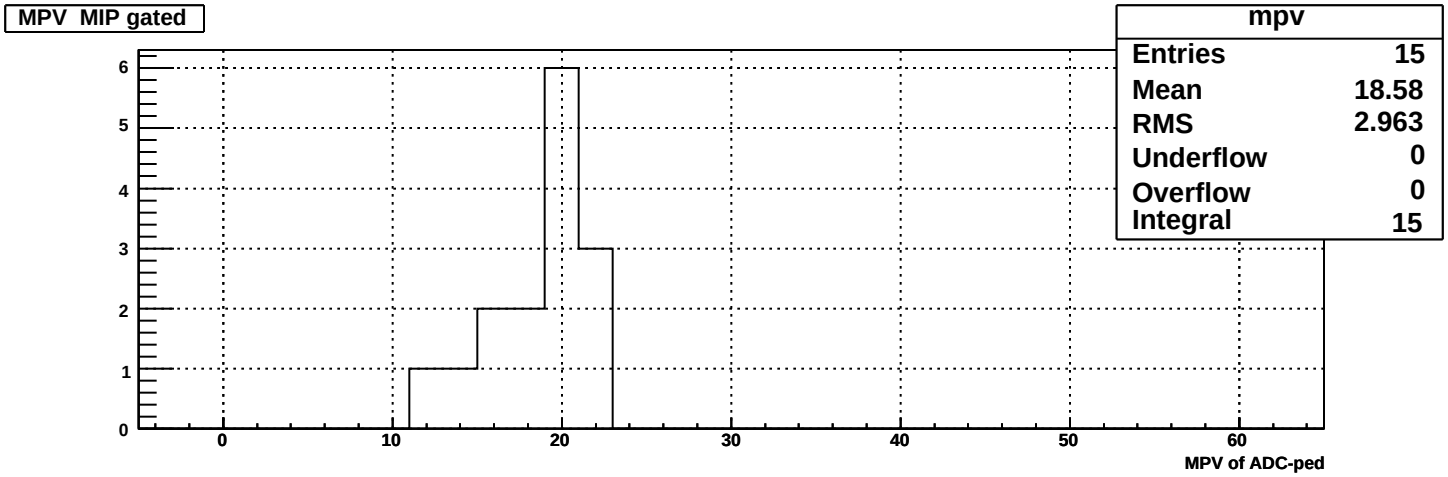

Pres2(d) 03QC02 , ADC, tag: UxV 2*thr
d03QC02
Entries 159
Mean 29.74
RMS 25.59
Integral 159
χ² / ndf 15.05 / 20
ampl-G 4.63 ± 7.44
const-L 87.66 ± 11.36
MPV-L 16.38 ± 2.32
sig-L 6.859 ± 1.024
ADC-ped

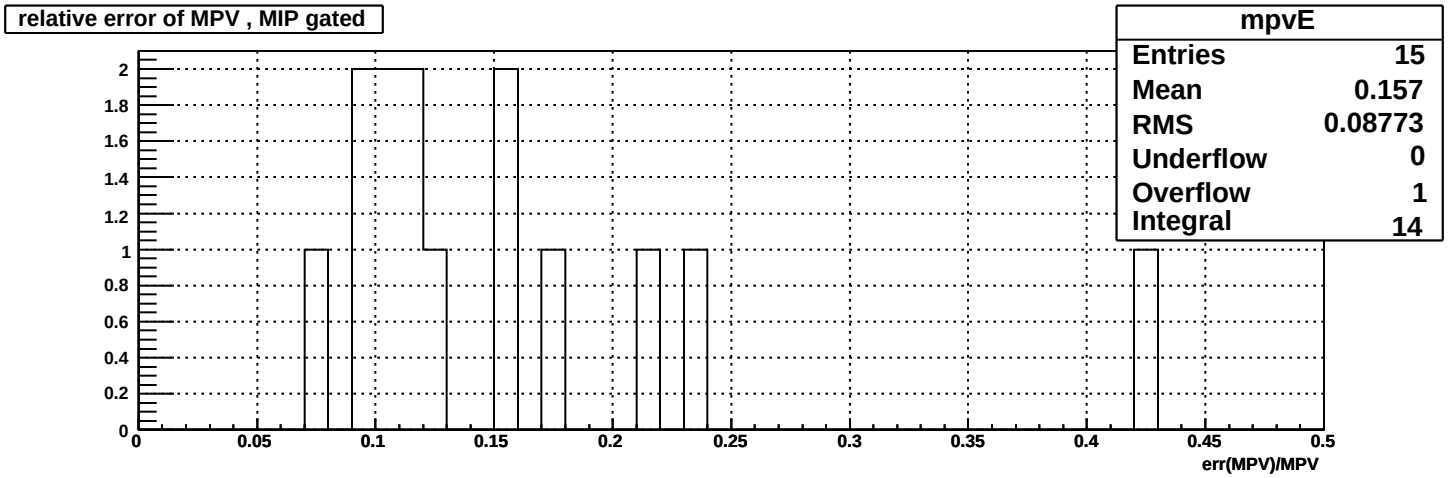

Pres2(a) 03QD02 , inclusive ADC
a03QD02
Entries 504000
Mean 1.566
RMS 10.05
Integral 5.035e+05
χ² / ndf 187 / 2
Constant 1.805e+06 ± 38253
Mean 0.5734 ± 0.0006
Sigma 0.04561 ± 0.00037
ADC-ped

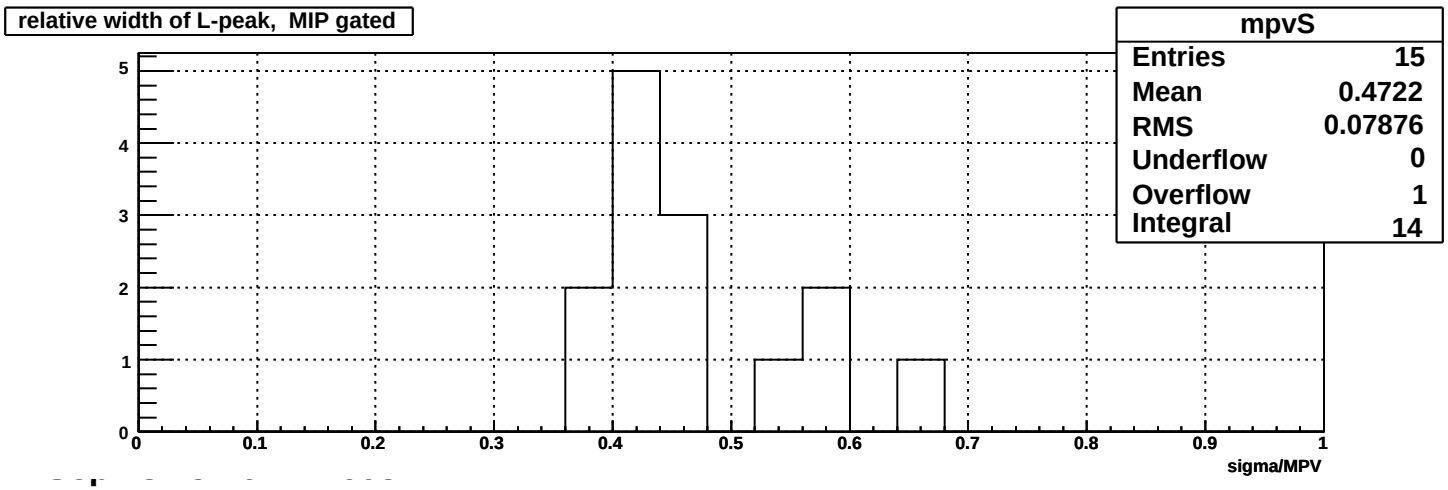

Pres2(d) 03QD02 , ADC, tag: UxV 2*thr
d03QD02
Entries 130
Mean 32.92
RMS 28.66
Integral 130
χ² / ndf 28.17 / 19
ampl-G 7.731 ± 2.966
const-L 61.56 ± 11.54
MPV-L 18.62 ± 1.56
sig-L 6.445 ± 1.254
ADC-ped


Pres2(a) 03QE02 , inclusive ADC
a03QE02
Entries 504000
Mean 1.556
RMS 10.03
Integral 5.034e+05
χ² / ndf 222 / 2
Constant 2.462e+06 ± 52160
Mean 0.5972 ± 0.0006
Sigma 0.05422 ± 0.00036
ADC-ped


Pres2(d) 03QE02 , ADC, tag: UxV 2*thr
d03QE02
Entries 137
Mean 32.5
RMS 24.33
Integral 136
χ² / ndf 17.44 / 21
ampl-G -9.746 ± 8.532
const-L 68.13 ± 13.85
MPV-L 10.67 ± 6.72
sig-L 9.661 ± 1.510
ADC-ped


MPV MIP gated
mpv
Entries 15
Mean 18.58
RMS 2.963
Underflow 0
Overflow 0
Integral 15
MPV of ADC-ped


relative error of MPV , MIP gated
mpvE
Entries 15
Mean 0.157
RMS 0.08773
Underflow 0
Overflow 1
Integral 14
err(MPV)/MPV


relative width of L-peak, MIP gated
mpvS
Entries 15
Mean 0.4722
RMS 0.07876
Underflow 0
Overflow 1
Integral 14
sigma/MPV