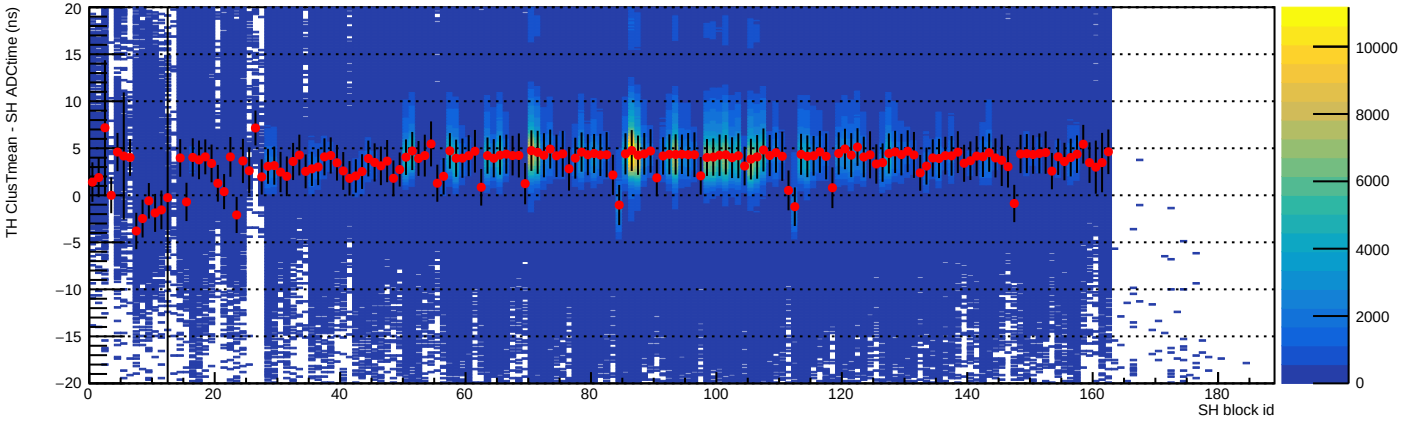
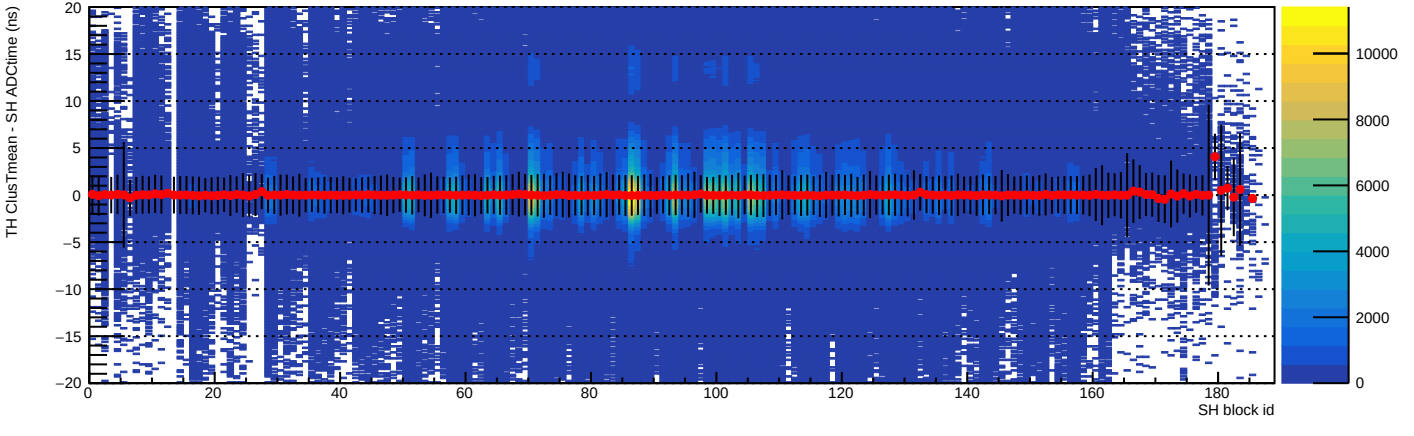
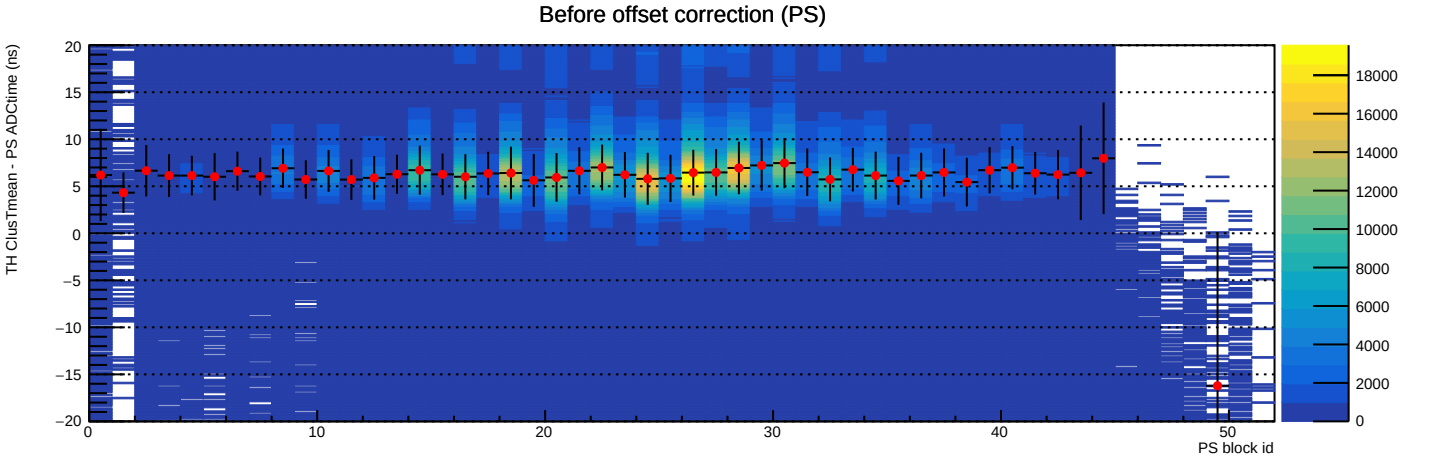
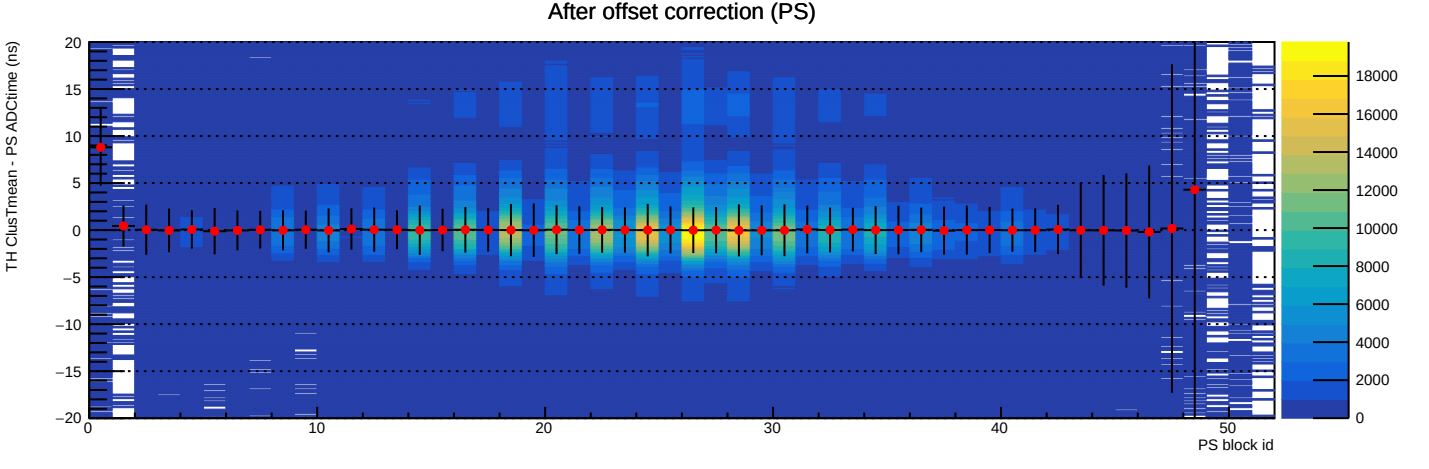
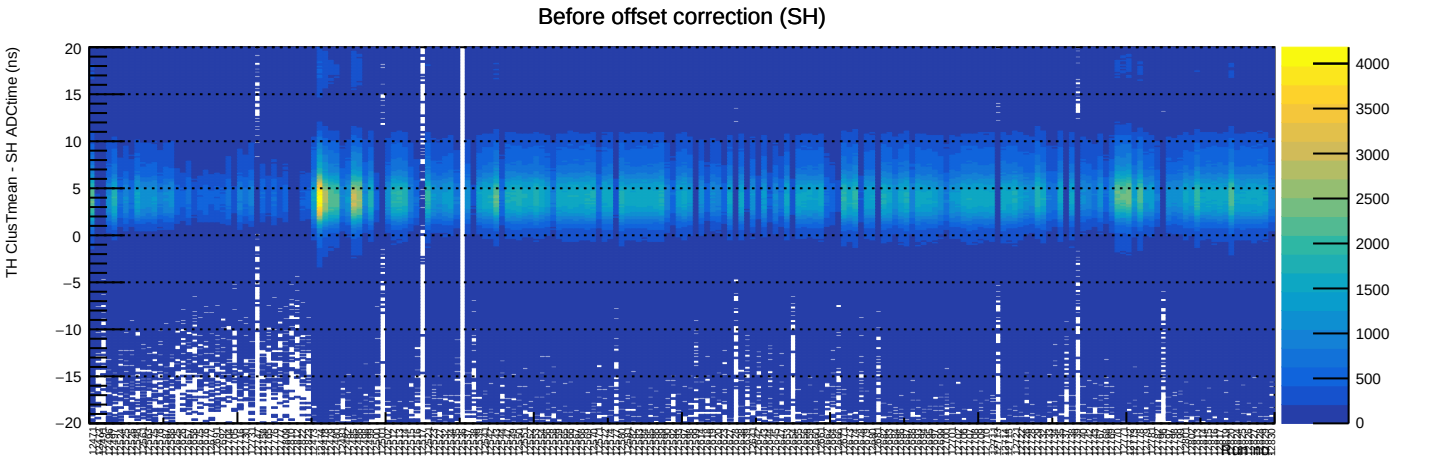
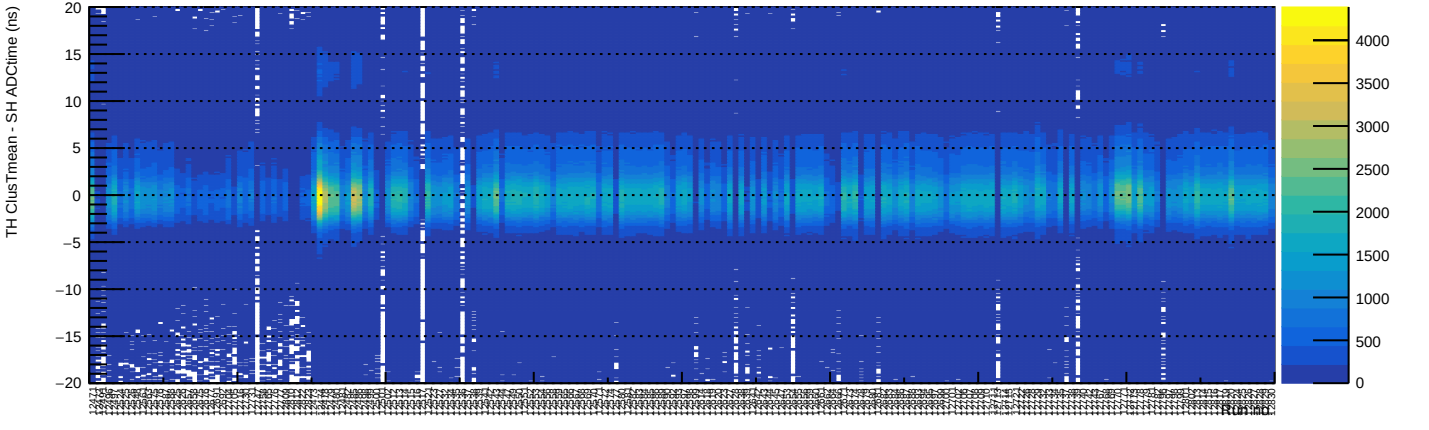

Before offset correction (SH)
TH ClusTmean - SH ADCtime (ns)
SH block id


After offset correction (SH)
TH ClusTmean - SH ADCtime (ns)
SH block id


Before offset correction (PS)
TH ClusTmean - PS ADCtime (ns)
PS block id


After offset correction (PS)
TH ClusTmean - PS ADCtime (ns)
PS block id


Before offset correction (SH)
TH ClusTmean - SH ADCtime (ns)
20
15
10
5
0
−5
−10
−15
−20
4000
3500
3000
2500
2000
1500
1000
500
0
Run no.


After offset correction (SH)
TH ClusTmean - SH ADCtime (ns)
20
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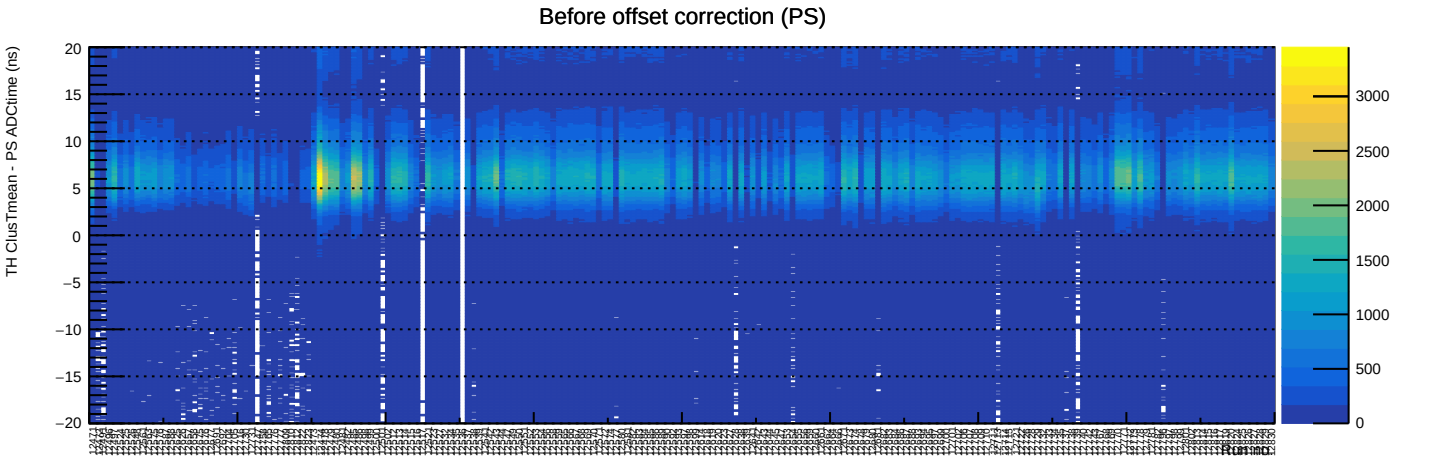
−5
−10
−15
−20
4000
3500
3000
2500
2000
1500
1000
500
0
Run no.


Before offset correction (PS)
TH ClusTmean - PS ADCtime (ns)
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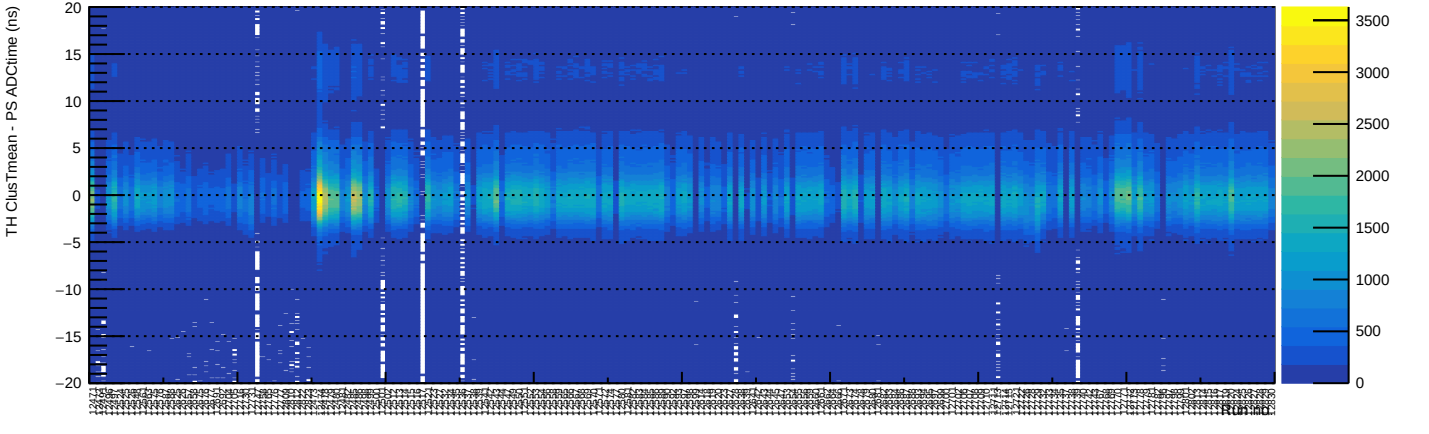
−5
−10
−15
−20
3000
2500
2000
1500
1000
500
0
Run no.


After offset correction (PS)
TH ClusTmean - PS ADCtime (ns)
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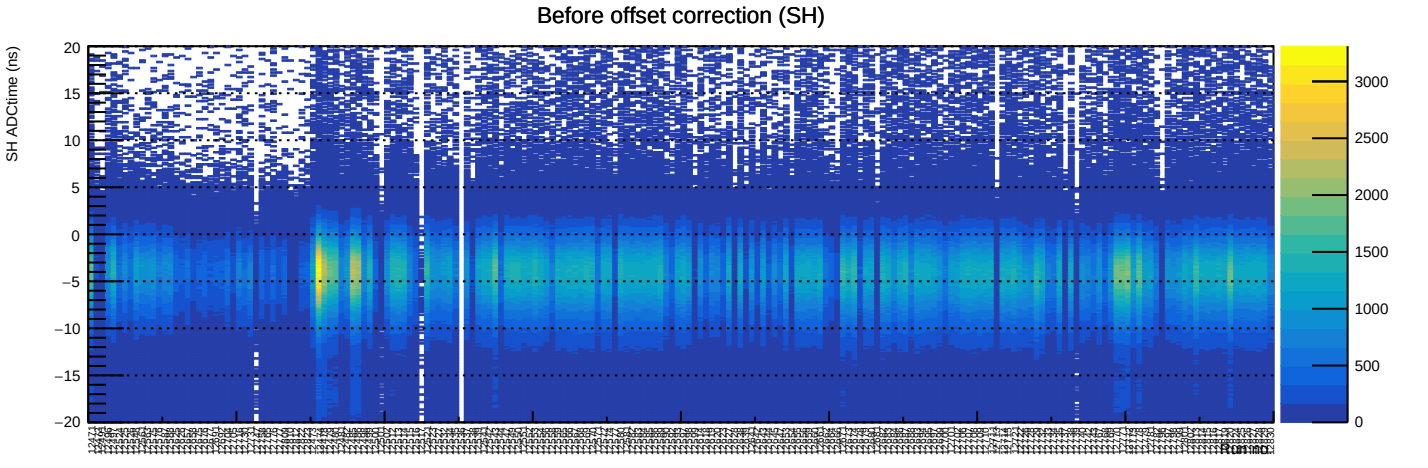
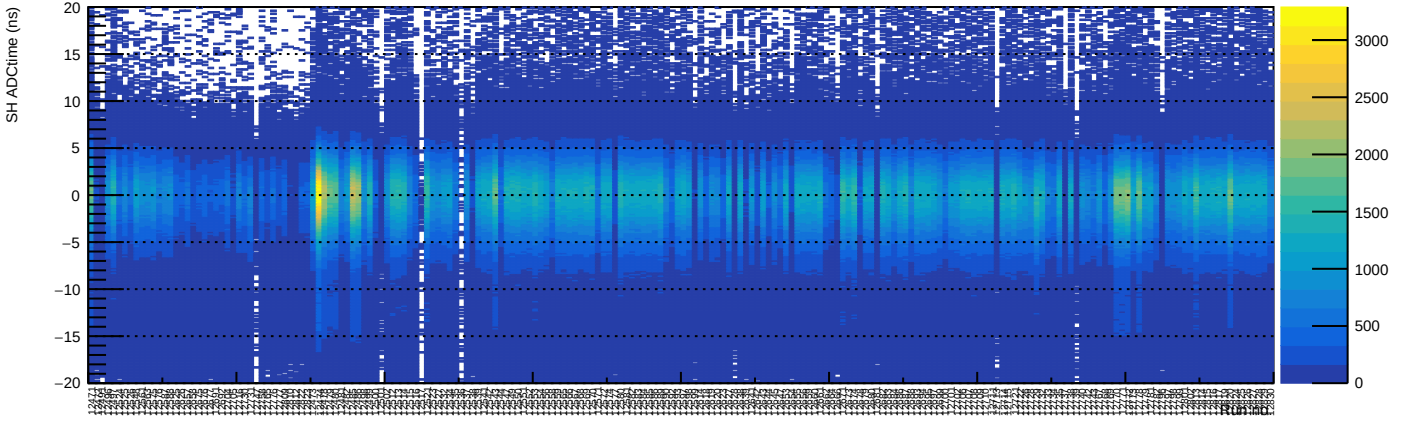
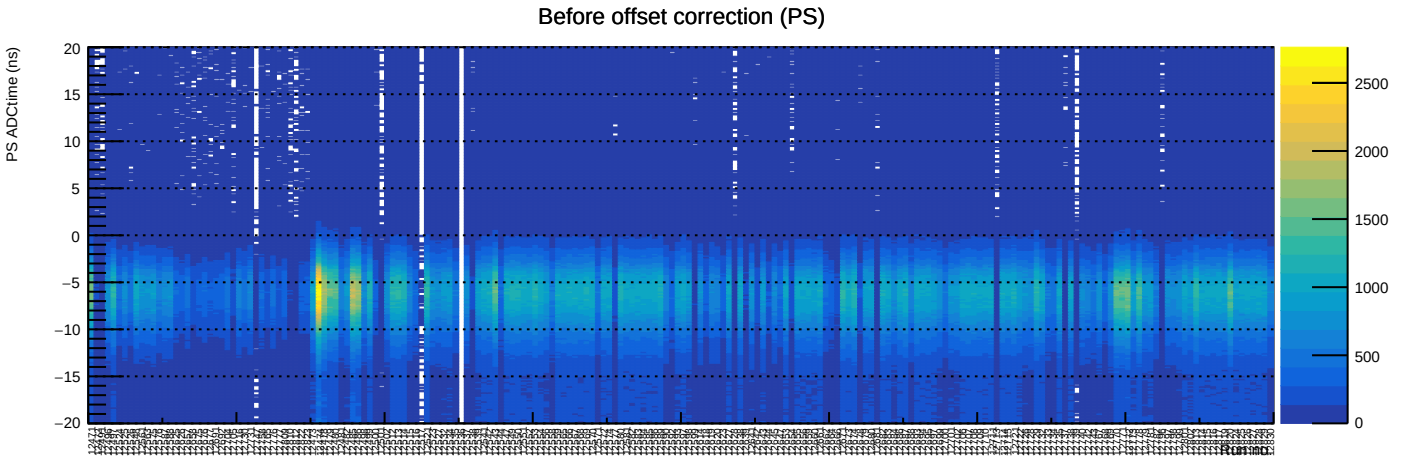
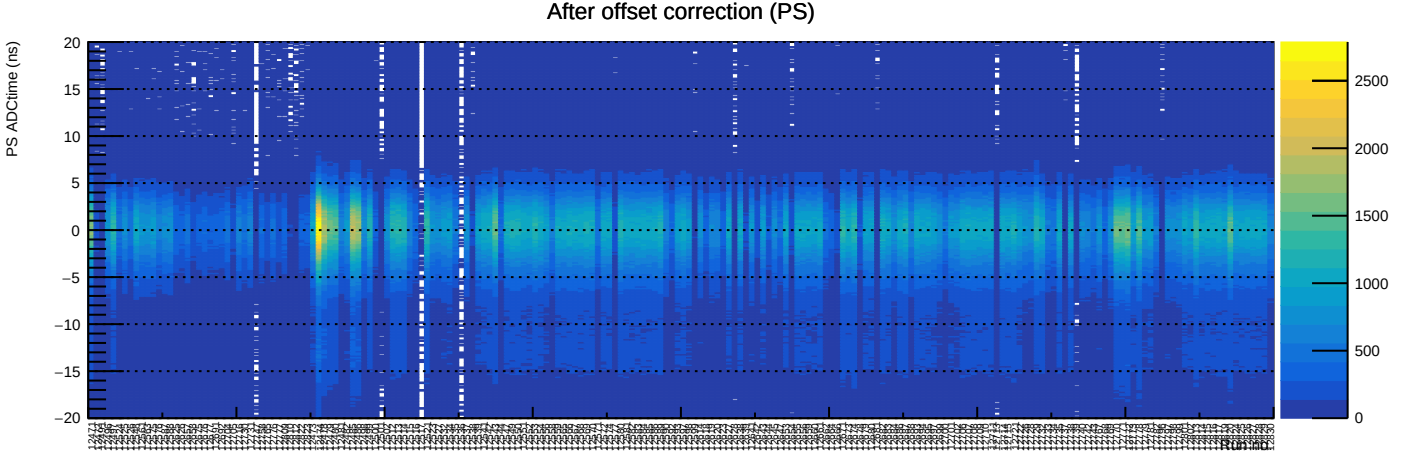
15
10
5
0
−5
−10
−15
−20
3500
3000
2500
2000
1500
1000
500
0
Run no.

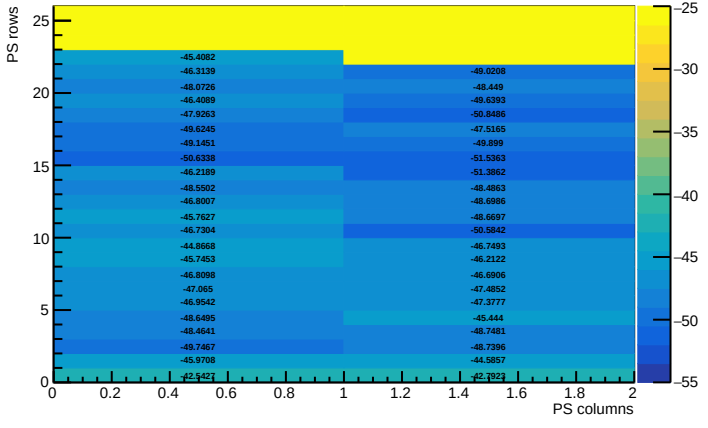

Before offset correction (SH)
SH ADCtime (ns)
20
15
10
5
0
−5
−10
−15
−20
3000
2500
2000
1500
1000
500
0
Run no.


After offset correction (SH)
SH ADCtime (ns)
20
15
10
5
0
−5
−10
−15
−20
3000
2500
2000
1500
1000
500
0
Run no.

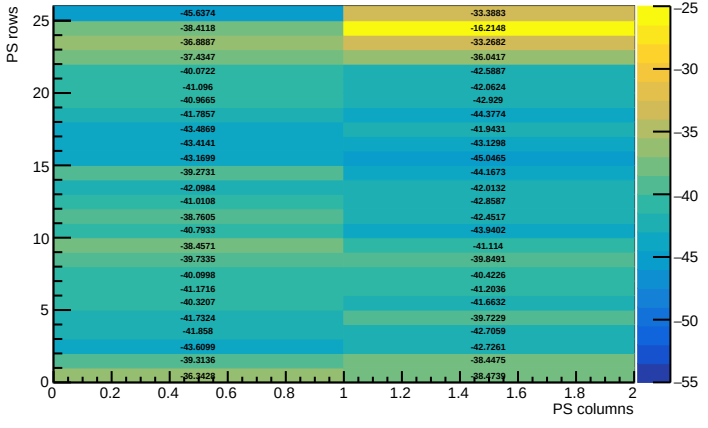

Before offset correction (PS)
PS ADCtime (ns)
20
15
10
5
0
−5
−10
−15
−20
2500
2000
1500
1000
500
0
Run no.


After offset correction (PS)
PS ADCtime (ns)
20
15
10
5
0
−5
−10
−15
−20
2500
2000
1500
1000
500
0
Run no.

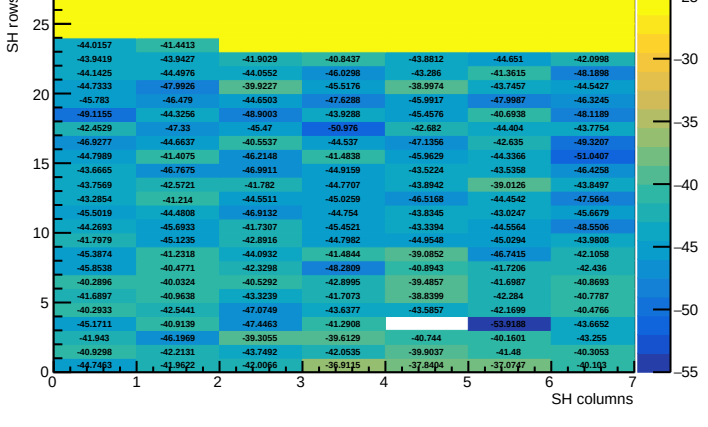
Old ADC time offset (PS)



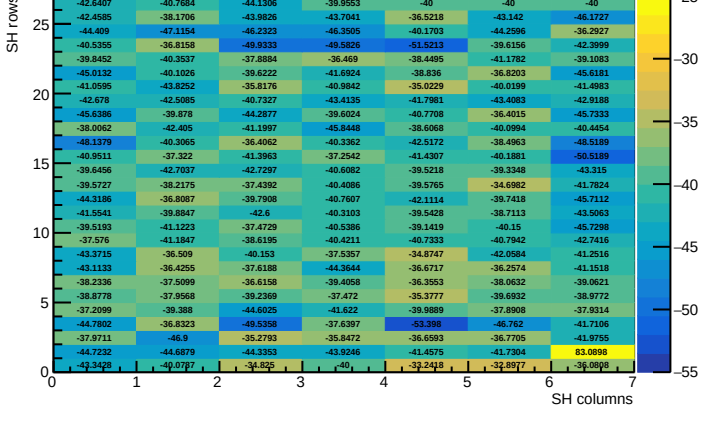
New ADC time offset (PS)



Old ADC time offset (SH)



New ADC time offset (SH)



Date of creation: 8/25/2023

Configfile: BBCal_replay/macros/Combined_macros/atimeOff-sbs11-set2.cfg

sbs config.: 11, set: 2, Preparing for replay pass: 2

Total # events analyzed: 66209873

Global cuts:

g.trigbits==1, bb.gem.track.nhits>3, abs(bb.tr.vz[0])<0.08,

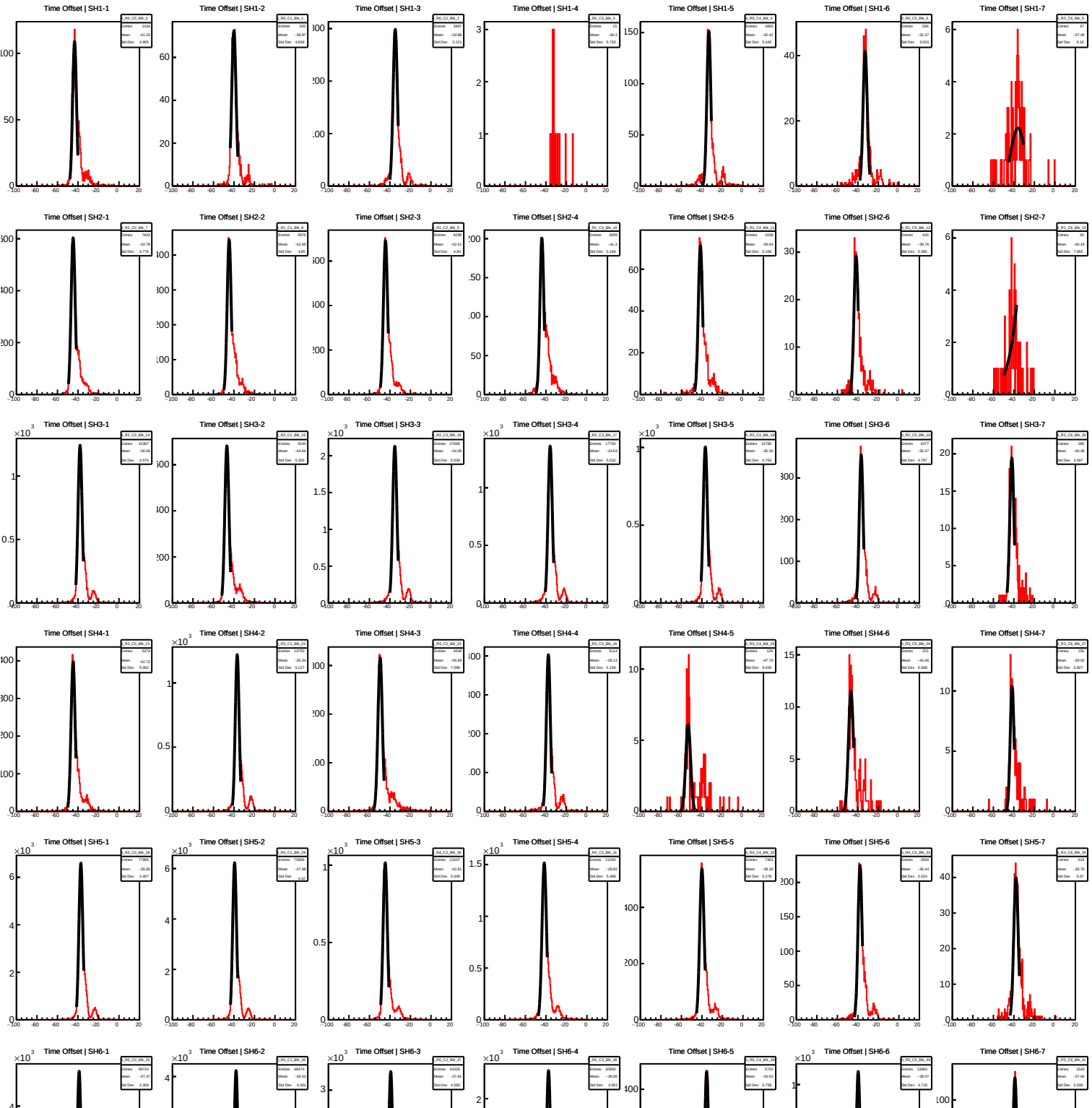
bb.ps.e>0.2, abs(bb.tr.r_x[0]-0.9*bb.tr.r_th[0])<0.32,

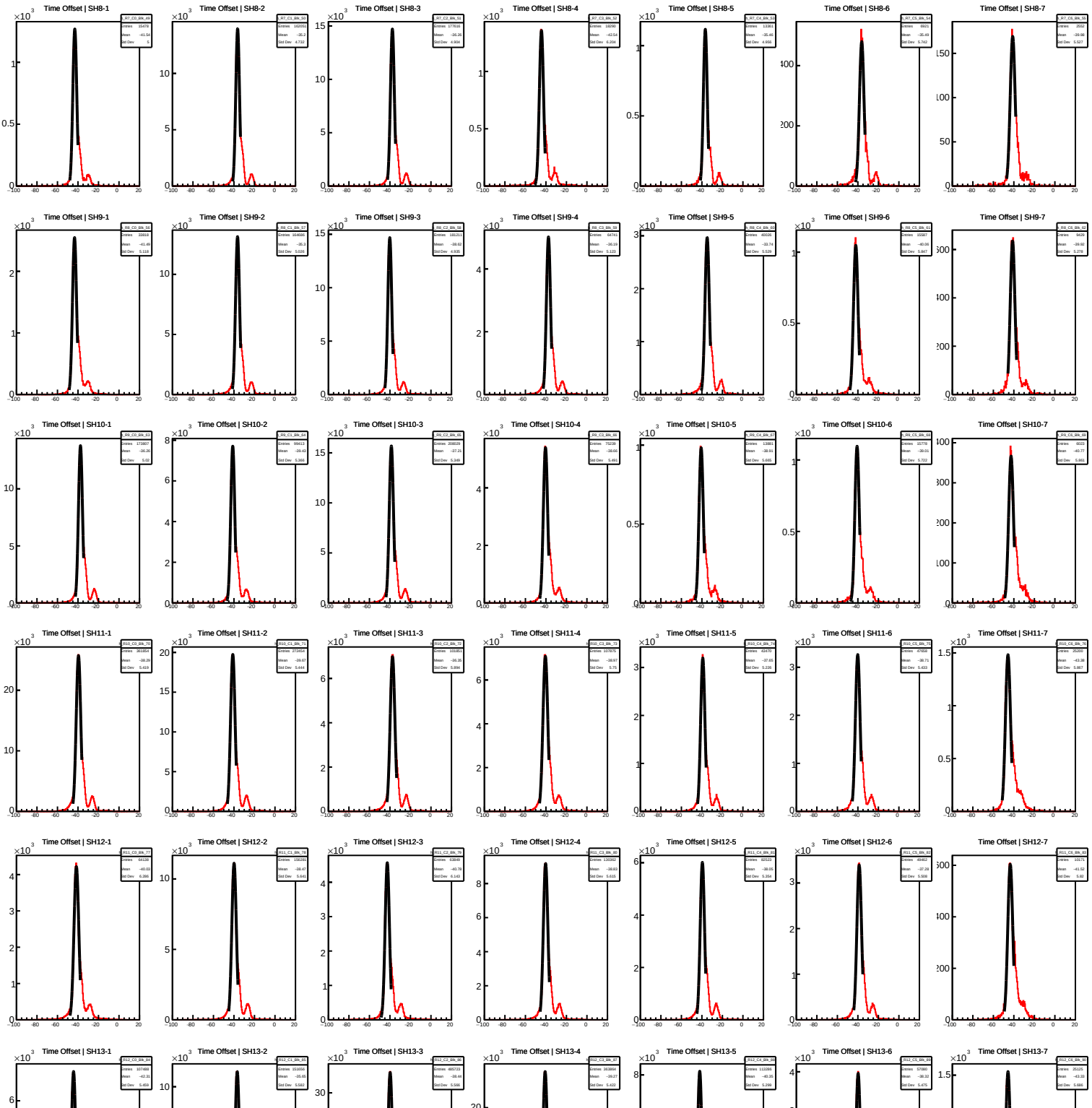
 # events passed global cuts: 11322257

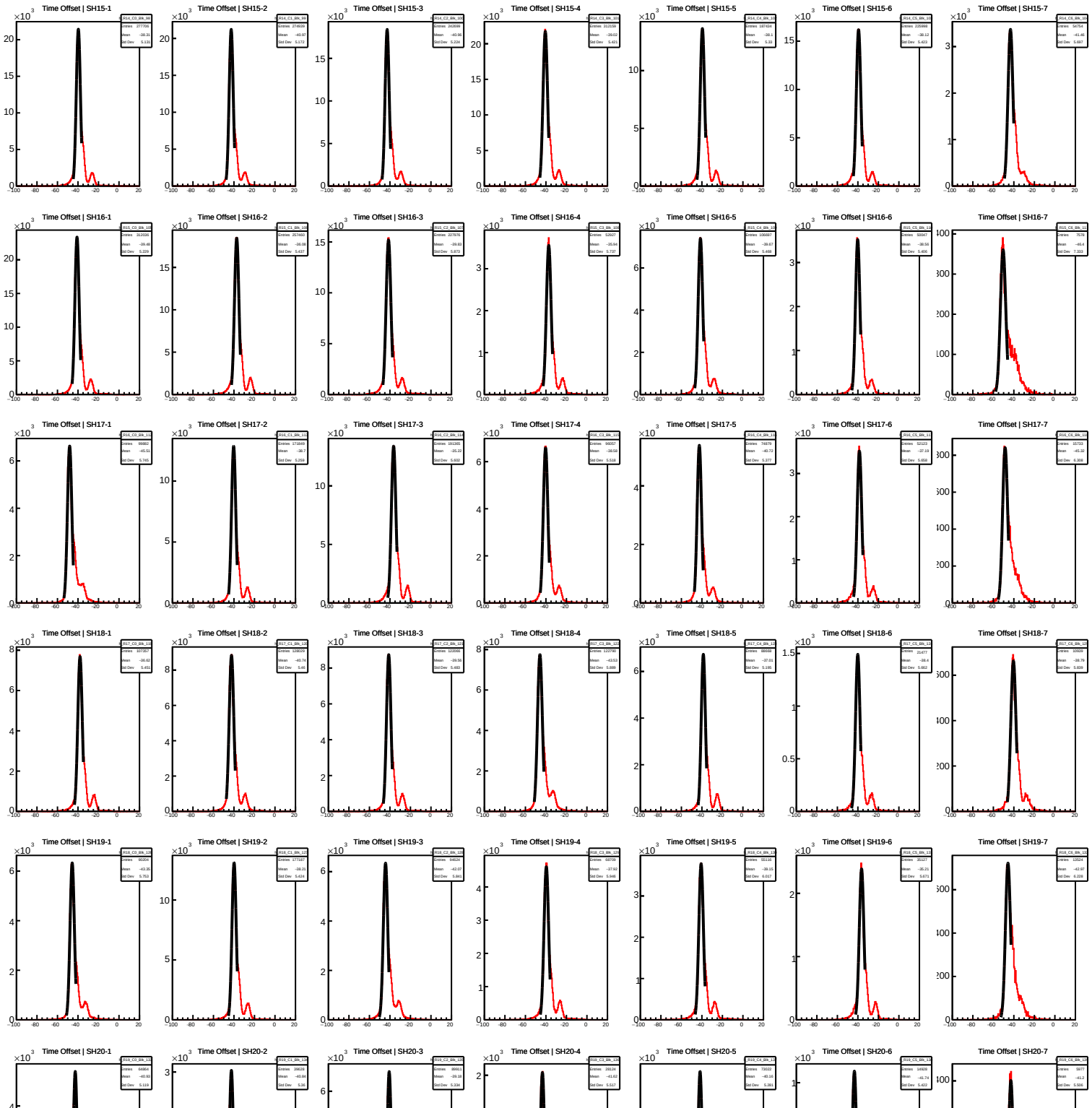
SH/PS ADC time peak position set values:

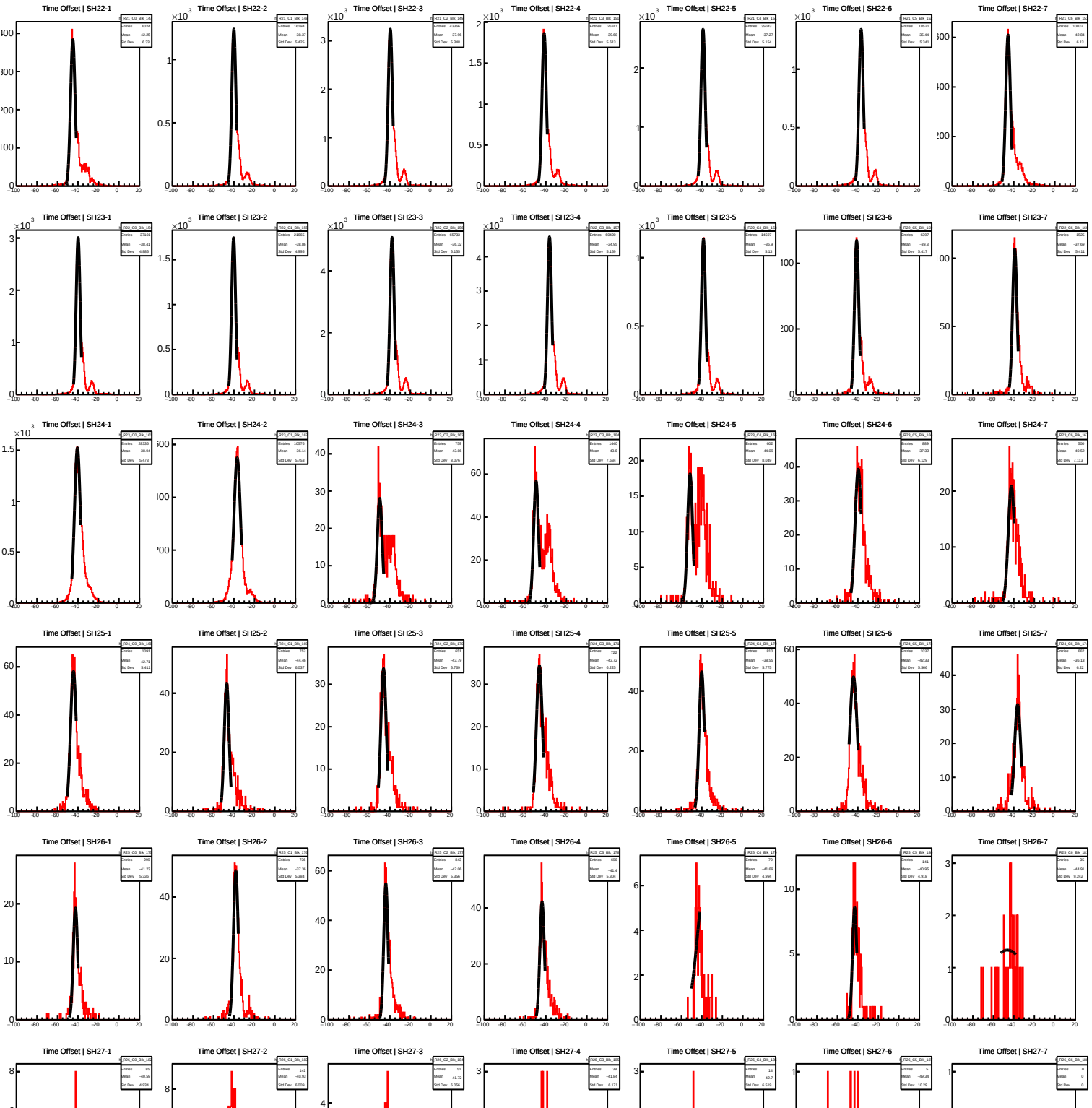
Nominal (set by latency in FADC config): 40.0, Before corr.: 0.0, After corr.: 0.0

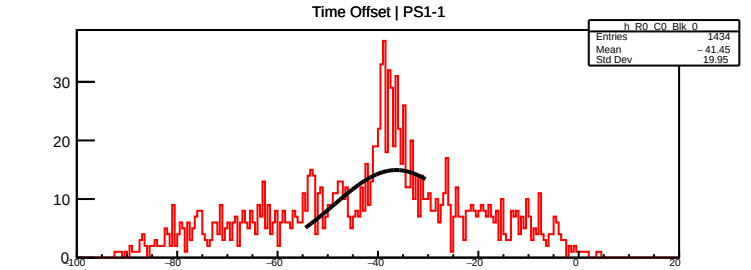
Macro processing time: CPU 2855.9s | Real 3352.4s

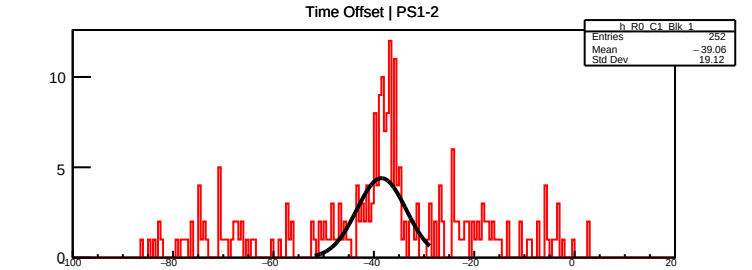

Time Offset | SH1-1
Time Offset | SH1-2
Time Offset | SH1-3
Time Offset | SH1-4
Time Offset | SH1-5
Time Offset | SH1-6
Time Offset | SH1-7
Time Offset | SH2-1
Time Offset | SH2-2
Time Offset | SH2-3
Time Offset | SH2-4
Time Offset | SH2-5
Time Offset | SH2-6
Time Offset | SH2-7
Time Offset | SH3-1
Time Offset | SH3-2
Time Offset | SH3-3
Time Offset | SH3-4
Time Offset | SH3-5
Time Offset | SH3-6
Time Offset | SH3-7
Time Offset | SH4-1
Time Offset | SH4-2
Time Offset | SH4-3
Time Offset | SH4-4
Time Offset | SH4-5
Time Offset | SH4-6
Time Offset | SH4-7
Time Offset | SH5-1
Time Offset | SH5-2
Time Offset | SH5-3
Time Offset | SH5-4
Time Offset | SH5-5
Time Offset | SH5-6
Time Offset | SH5-7
Time Offset | SH6-1
Time Offset | SH6-2
Time Offset | SH6-3
Time Offset | SH6-4
Time Offset | SH6-5
Time Offset | SH6-6
Time Offset | SH6-7

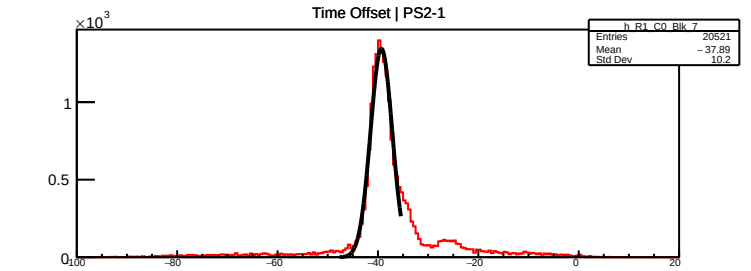

Time Offset | SH8-1
Time Offset | SH8-2
Time Offset | SH8-3
Time Offset | SH8-4
Time Offset | SH8-5
Time Offset | SH8-6
Time Offset | SH8-7
Time Offset | SH9-1
Time Offset | SH9-2
Time Offset | SH9-3
Time Offset | SH9-4
Time Offset | SH9-5
Time Offset | SH9-6
Time Offset | SH9-7
Time Offset | SH10-1
Time Offset | SH10-2
Time Offset | SH10-3
Time Offset | SH10-4
Time Offset | SH10-5
Time Offset | SH10-6
Time Offset | SH10-7
Time Offset | SH11-1
Time Offset | SH11-2
Time Offset | SH11-3
Time Offset | SH11-4
Time Offset | SH11-5
Time Offset | SH11-6
Time Offset | SH11-7
Time Offset | SH12-1
Time Offset | SH12-2
Time Offset | SH12-3
Time Offset | SH12-4
Time Offset | SH12-5
Time Offset | SH12-6
Time Offset | SH12-7
Time Offset | SH13-1
Time Offset | SH13-2
Time Offset | SH13-3
Time Offset | SH13-4
Time Offset | SH13-5
Time Offset | SH13-6
Time Offset | SH13-7

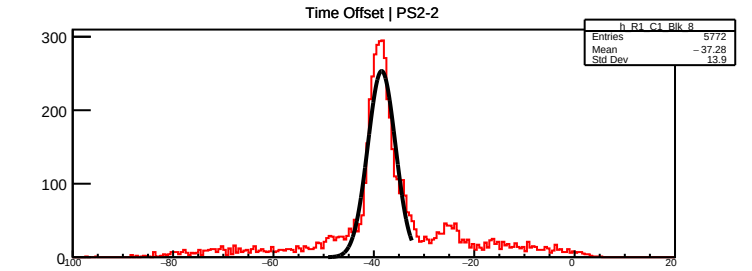

Time Offset | SH15-1
Time Offset | SH15-2
Time Offset | SH15-3
Time Offset | SH15-4
Time Offset | SH15-5
Time Offset | SH15-6
Time Offset | SH15-7
Time Offset | SH16-1
Time Offset | SH16-2
Time Offset | SH16-3
Time Offset | SH16-4
Time Offset | SH16-5
Time Offset | SH16-6
Time Offset | SH16-7
Time Offset | SH17-1
Time Offset | SH17-2
Time Offset | SH17-3
Time Offset | SH17-4
Time Offset | SH17-5
Time Offset | SH17-6
Time Offset | SH17-7
Time Offset | SH18-1
Time Offset | SH18-2
Time Offset | SH18-3
Time Offset | SH18-4
Time Offset | SH18-5
Time Offset | SH18-6
Time Offset | SH18-7
Time Offset | SH19-1
Time Offset | SH19-2
Time Offset | SH19-3
Time Offset | SH19-4
Time Offset | SH19-5
Time Offset | SH19-6
Time Offset | SH19-7
Time Offset | SH20-1
Time Offset | SH20-2
Time Offset | SH20-3
Time Offset | SH20-4
Time Offset | SH20-5
Time Offset | SH20-6
Time Offset | SH20-7

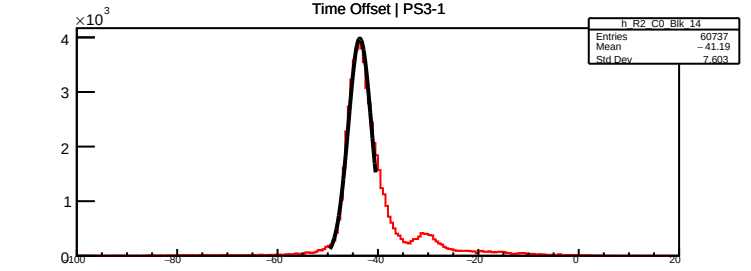

Time Offset | SH22-1
Time Offset | SH22-2
Time Offset | SH22-3
Time Offset | SH22-4
Time Offset | SH22-5
Time Offset | SH22-6
Time Offset | SH22-7
Time Offset | SH23-1
Time Offset | SH23-2
Time Offset | SH23-3
Time Offset | SH23-4
Time Offset | SH23-5
Time Offset | SH23-6
Time Offset | SH23-7
Time Offset | SH24-1
Time Offset | SH24-2
Time Offset | SH24-3
Time Offset | SH24-4
Time Offset | SH24-5
Time Offset | SH24-6
Time Offset | SH24-7
Time Offset | SH25-1
Time Offset | SH25-2
Time Offset | SH25-3
Time Offset | SH25-4
Time Offset | SH25-5
Time Offset | SH25-6
Time Offset | SH25-7
Time Offset | SH26-1
Time Offset | SH26-2
Time Offset | SH26-3
Time Offset | SH26-4
Time Offset | SH26-5
Time Offset | SH26-6
Time Offset | SH26-7
Time Offset | SH27-1
Time Offset | SH27-2
Time Offset | SH27-3
Time Offset | SH27-4
Time Offset | SH27-5
Time Offset | SH27-6
Time Offset | SH27-7

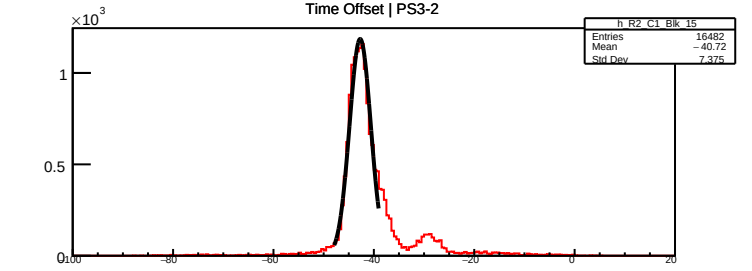

Time Offset | PS1-1
h_R0_C0_Blk_0
Entries 1434
Mean −41.45
Std Dev 19.95

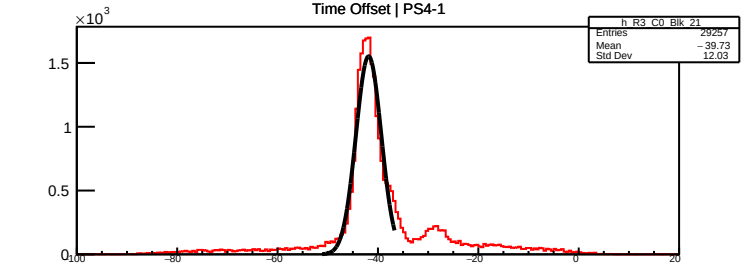

Time Offset | PS1-2
h_R0_C1_Blk_1
Entries 252
Mean −39.06
Std Dev 19.12

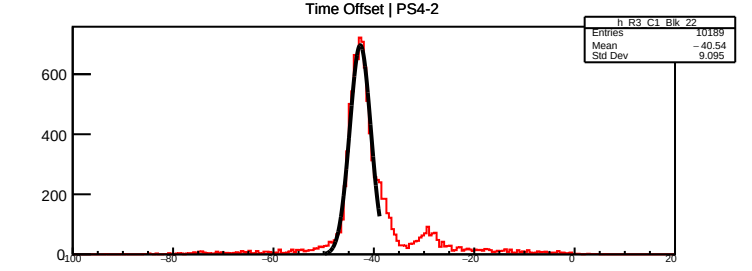

Time Offset | PS2-1
h_R1_C0_Blk_7
Entries 20521
Mean −37.89
Std Dev 10.2

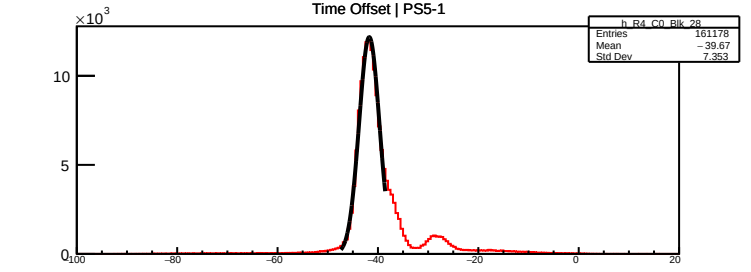

Time Offset | PS2-2
h_R1_C1_Blk_8
Entries 5772
Mean −37.28
Std Dev 13.9

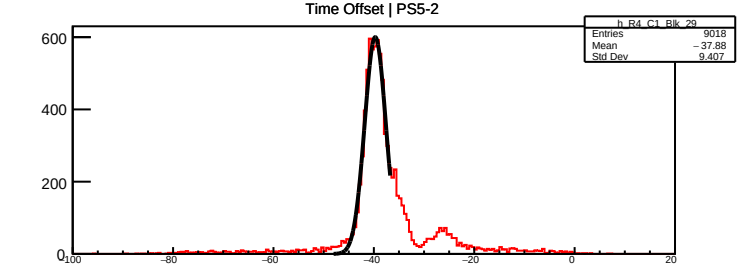

Time Offset | PS3-1
h_R2_C0_Blk_14
Entries 60737
Mean −41.19
Std Dev 7.603

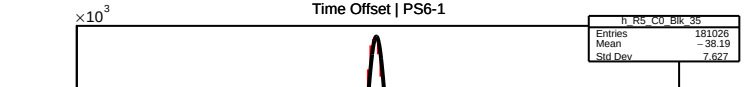

Time Offset | PS3-2
h_R2_C1_Blk_15
Entries 16482
Mean −40.72
Std Dev 7.375

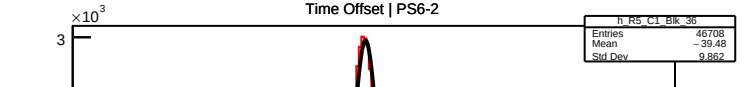

Time Offset | PS4-1
h_R3_C0_Blk_21
Entries 29257
Mean −39.73
Std Dev 12.03

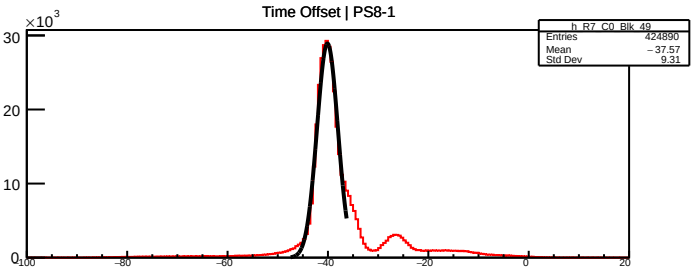

Time Offset | PS4-2
h_R3_C1_Blk_22
Entries 10189
Mean −40.54
Std Dev 9.095

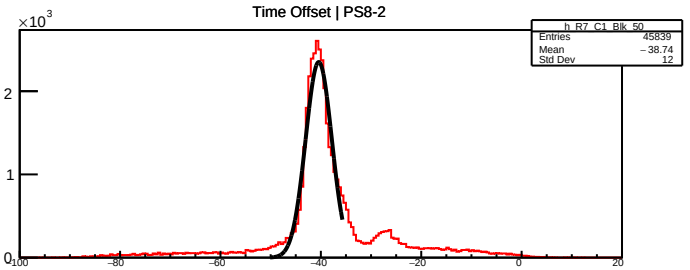

Time Offset | PS5-1
h_R4_C0_Blk_28
Entries 161178
Mean −39.67
Std Dev 7.353

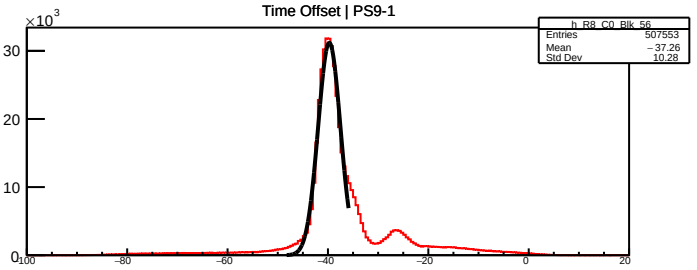

Time Offset | PS5-2
h_R4_C1_Blk_29
Entries 9018
Mean −37.88
Std Dev 9.407

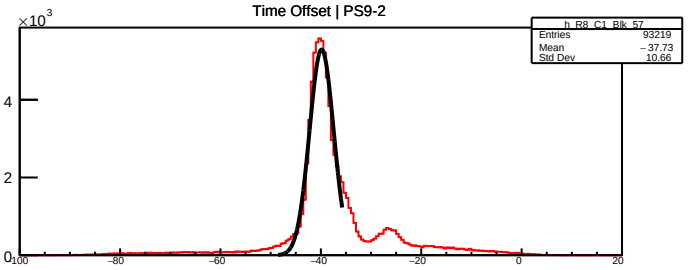

Time Offset | PS6-1
h_R5_C0_Blk_35
Entries 181026
Mean −38.19
Std Dev 7.627

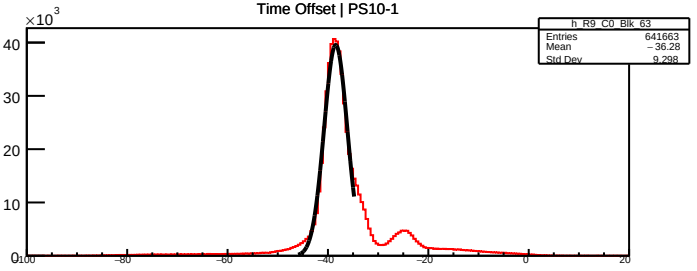

Time Offset | PS6-2
h_R5_C1_Blk_36
Entries 46708
Mean −39.48
Std Dev 9.862

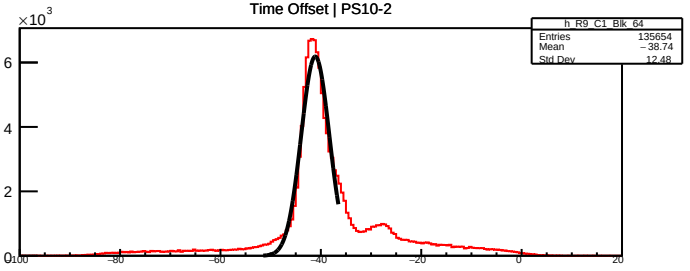

Time Offset | PS8-1
h_R7_C0_Blk_49
Entries 424890
Mean −37.57
Std Dev 9.31

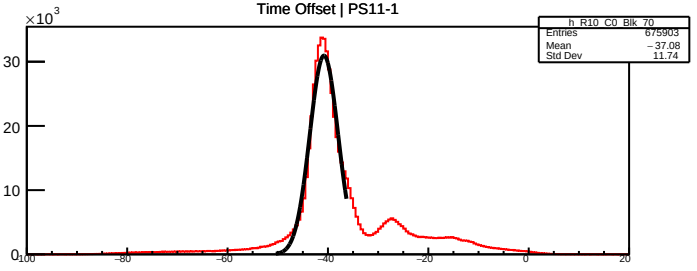

Time Offset | PS8-2
h_R7_C1_Blk_50
Entries 45839
Mean −38.74
Std Dev 12

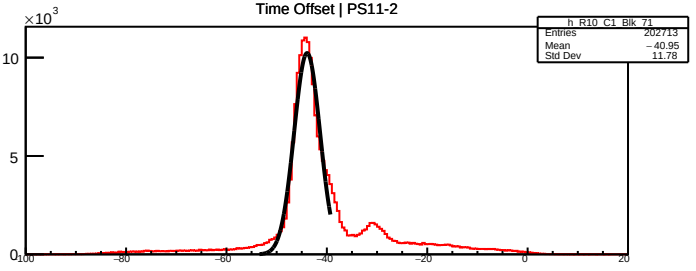

Time Offset | PS9-1
h_R8_C0_Blk_56
Entries 507553
Mean −37.26
Std Dev 10.28

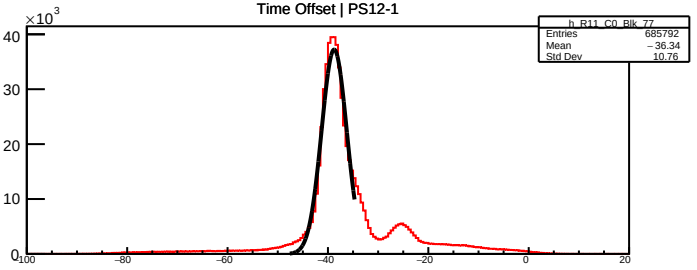

Time Offset | PS9-2
h_R8_C1_Blk_57
Entries 93219
Mean −37.73
Std Dev 10.66

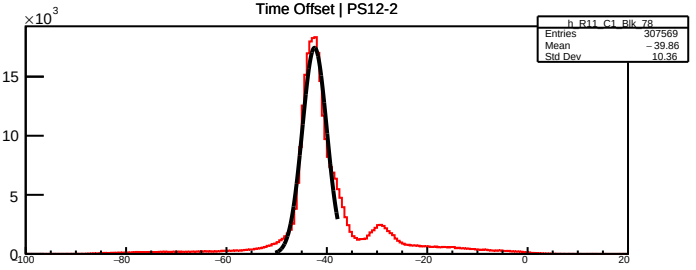

Time Offset | PS10-1
h_R9_C0_Blk_63
Entries 641663
Mean −36.28
Std Dev 9.298


Time Offset | PS10-2
h_R9_C1_Blk_64
Entries 135654
Mean −38.74
Std Dev 12.48


Time Offset | PS11-1
h_R10_C0_Blk_70
Entries 675903
Mean −37.08
Std Dev 11.74

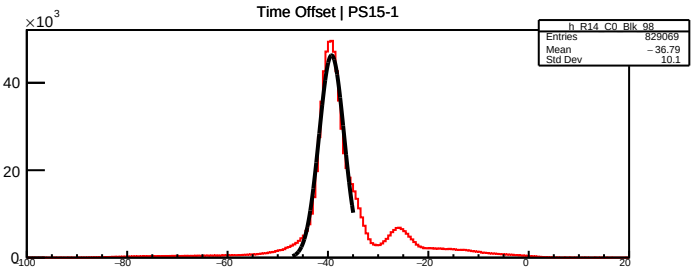

Time Offset | PS11-2
h_R10_C1_Blk_71
Entries 202713
Mean −40.95
Std Dev 11.78

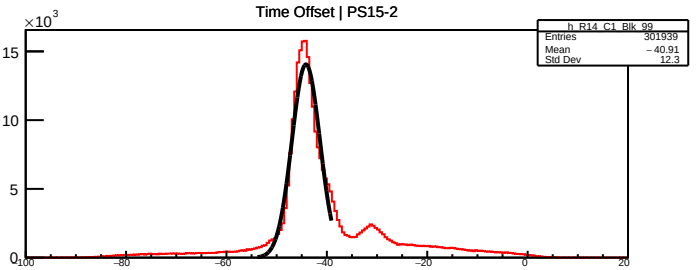

Time Offset | PS12-1
h_R11_C0_Blk_77
Entries 685792
Mean −36.34
Std Dev 10.76

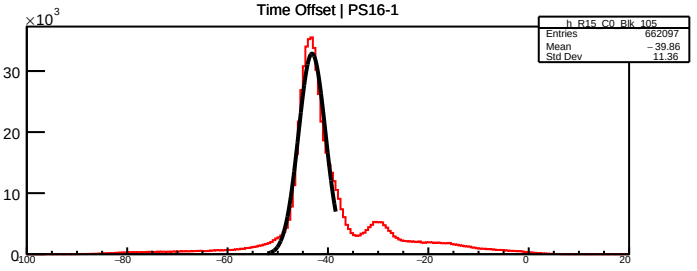

Time Offset | PS12-2
h_R11_C1_Blk_78
Entries 307569
Mean −39.86
Std Dev 10.36

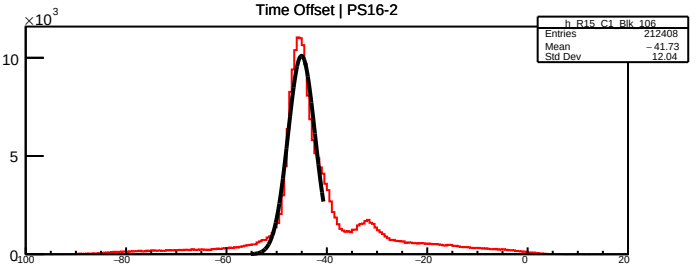
Time Offset | PS13-1
h_R12_C0_Blk_84
Entries 791093
Mean −38.57
Std Dev 10.49

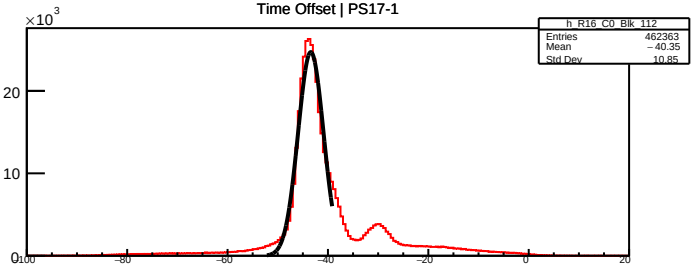
Time Offset | PS13-2
h_R12_C1_Blk_85
Entries 317560
Mean −40.22
Std Dev 12.5

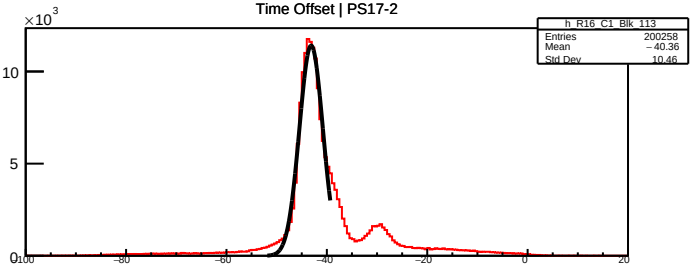

Time Offset | PS15-1
h_R14_C0_Blk_98
Entries 829069
Mean −36.79
Std Dev 10.1

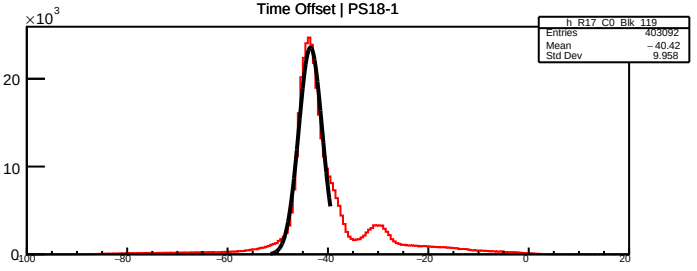

Time Offset | PS15-2
h_R14_C1_Blk_99
Entries 301939
Mean −40.91
Std Dev 12.3

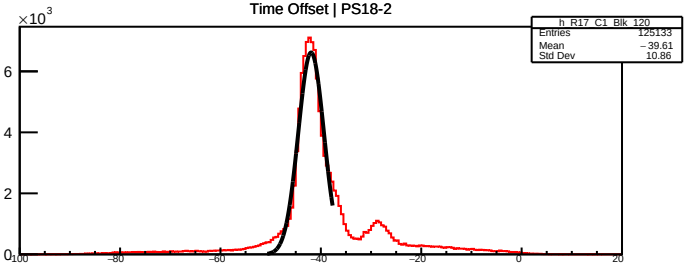

Time Offset | PS16-1
h_R15_C0_Blk_105
Entries 662097
Mean −39.86
Std Dev 11.36

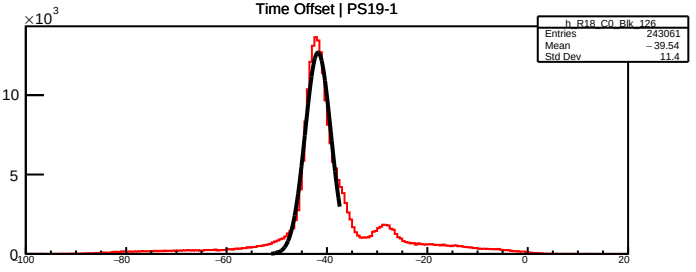

Time Offset | PS16-2
h_R15_C1_Blk_106
Entries 212408
Mean −41.73
Std Dev 12.04

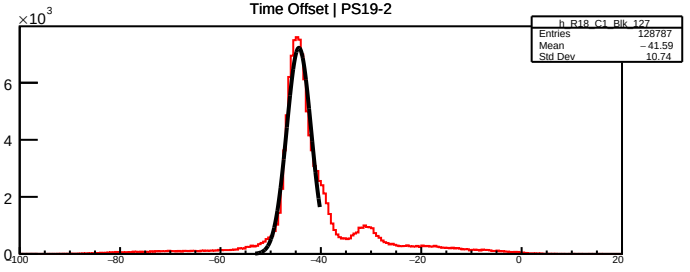

Time Offset | PS17-1
h_R16_C0_Blk_112
Entries 462363
Mean −40.35
Std Dev 10.85

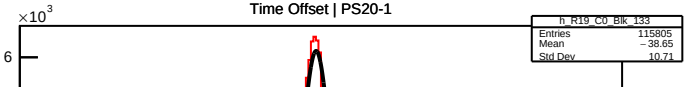

Time Offset | PS17-2
h_R16_C1_Blk_113
Entries 200258
Mean −40.36
Std Dev 10.46

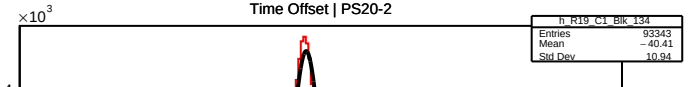

Time Offset | PS18-1
h_R17_C0_Blk_119
Entries 403092
Mean −40.42
Std Dev 9.958

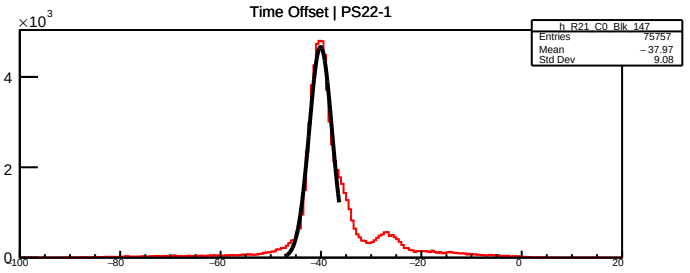

Time Offset | PS18-2
h_R17_C1_Blk_120
Entries 125133
Mean −39.61
Std Dev 10.86

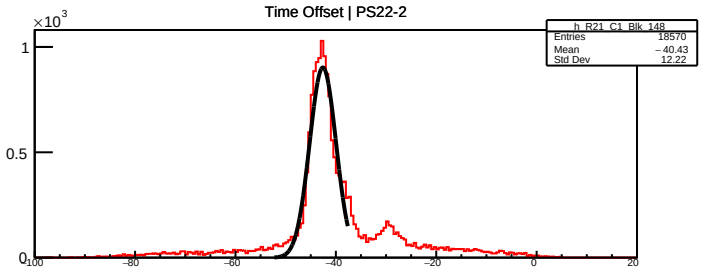

Time Offset | PS19-1
h_R18_C0_Blk_126
Entries 243061
Mean −39.54
Std Dev 11.4

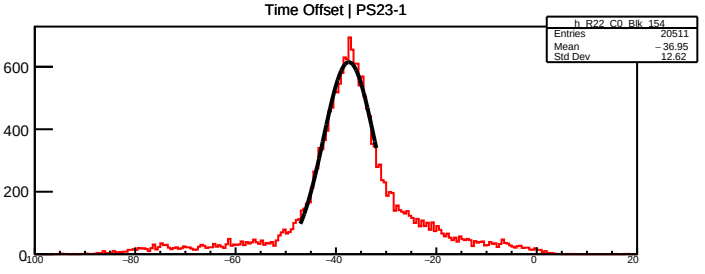

Time Offset | PS19-2
h_R18_C1_Blk_127
Entries 128787
Mean −41.59
Std Dev 10.74

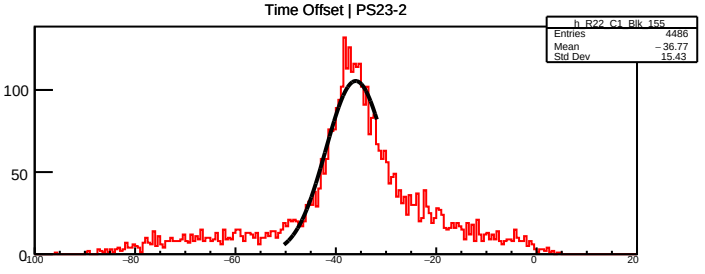

Time Offset | PS20-1
h_R19_C0_Blk_133
Entries 115805
Mean −38.65
Std Dev 10.71

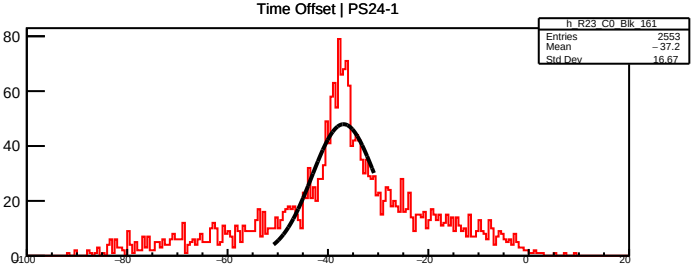

Time Offset | PS20-2
h_R19_C1_Blk_134
Entries 93343
Mean −40.41
Std Dev 10.94

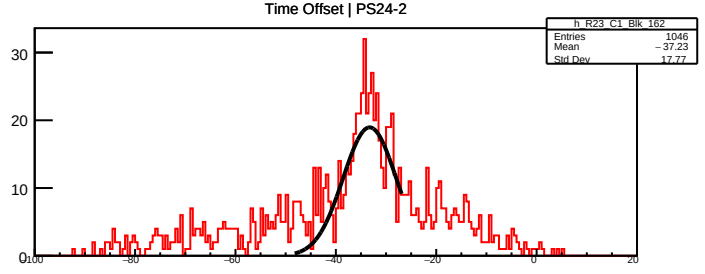

Time Offset | PS22-1
h_R21_C0_Blk_147
Entries 75757
Mean −37.97
Std Dev 9.08

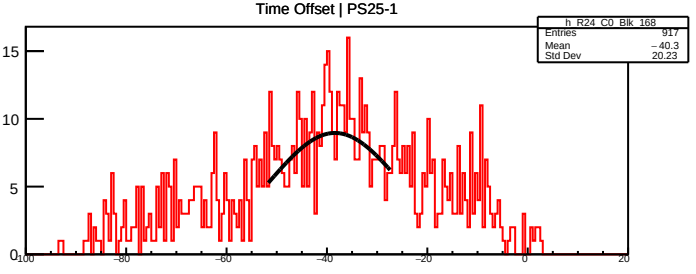

Time Offset | PS22-2
h_R21_C1_Blk_148
Entries 18570
Mean −40.43
Std Dev 12.22

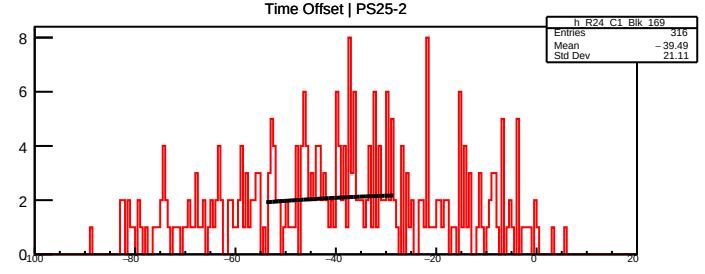

Time Offset | PS23-1
h_R22_C0_Blk_154
Entries 20511
Mean −36.95
Std Dev 12.62

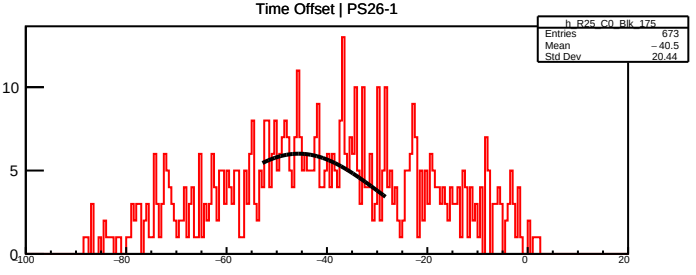

Time Offset | PS23-2
h_R22_C1_Blk_155
Entries 4486
Mean −36.77
Std Dev 15.43

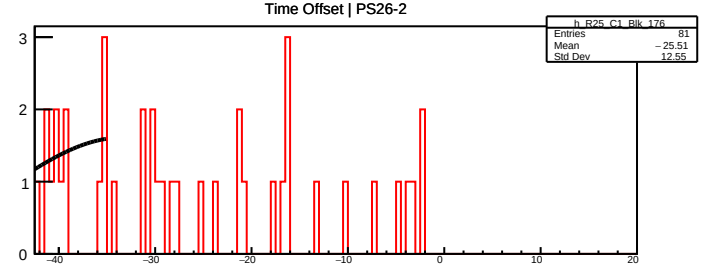

Time Offset | PS24-1
h_R23_C0_Blk_161
Entries 2553
Mean −37.2
Std Dev 16.67


Time Offset | PS24-2
h_R23_C1_Blk_162
Entries 1046
Mean −37.23
Std Dev 17.77


Time Offset | PS25-1
h_R24_C0_Blk_168
Entries 917
Mean −40.3
Std Dev 20.23


Time Offset | PS25-2
h_R24_C1_Blk_169
Entries 316
Mean −39.49
Std Dev 21.11


Time Offset | PS26-1
h_R25_C0_Blk_175
Entries 673
Mean −40.5
Std Dev 20.44


Time Offset | PS26-2
h_R25_C1_Blk_176
Entries 81
Mean −25.51
Std Dev 12.55