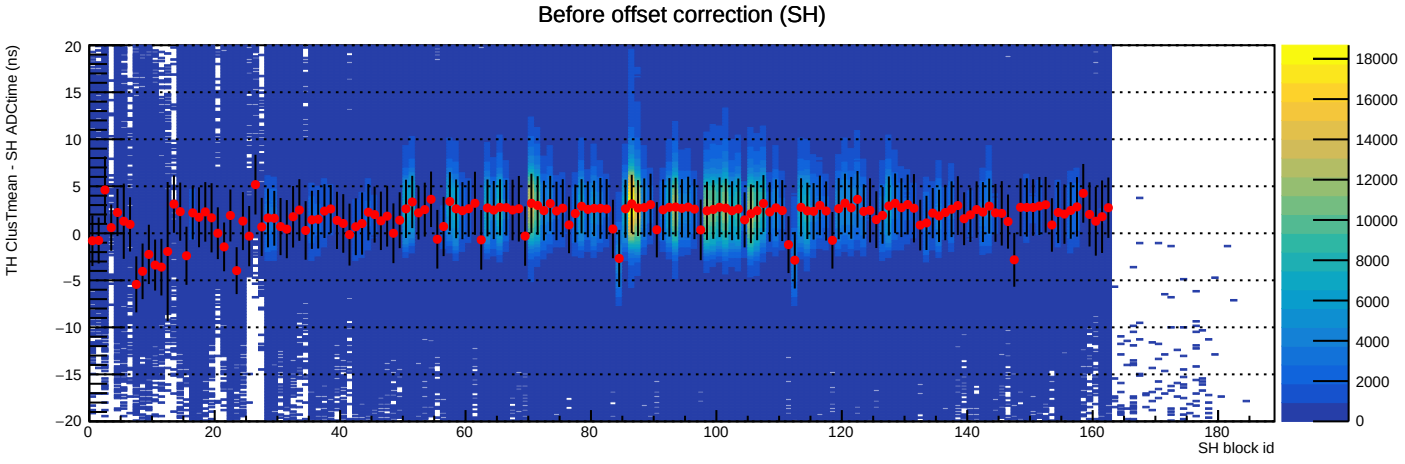
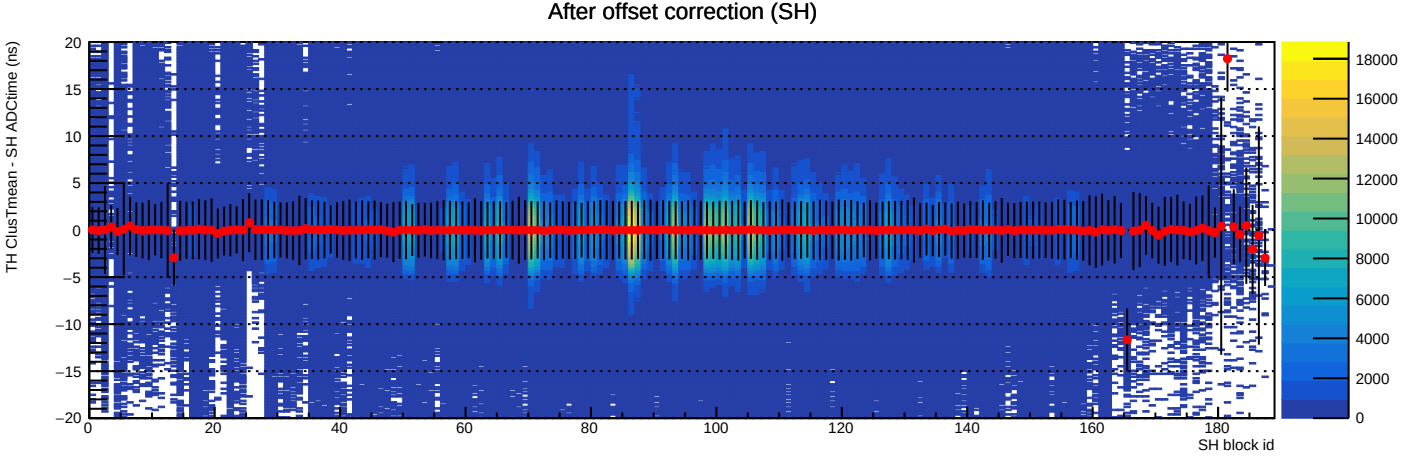

Before offset correction (SH)
TH ClusTmean - SH ADCtime (ns)
SH block id


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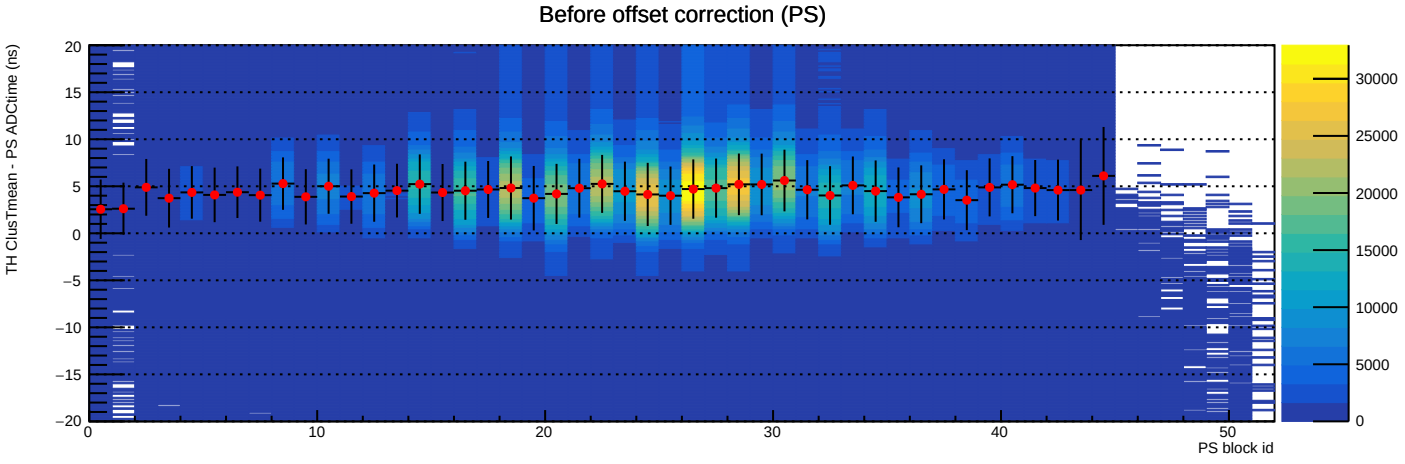
SH block id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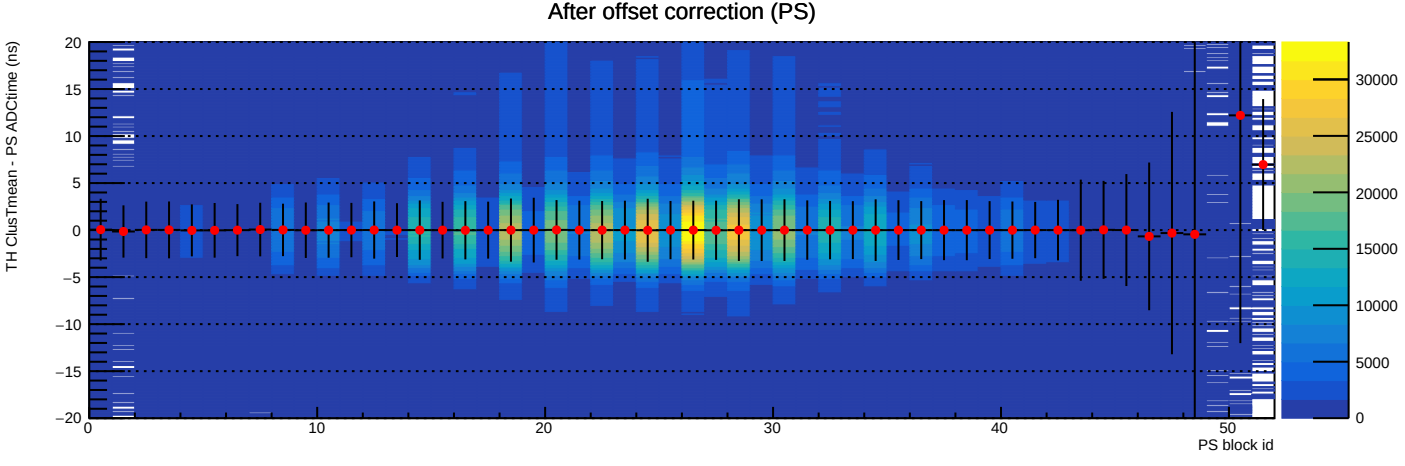
PS block id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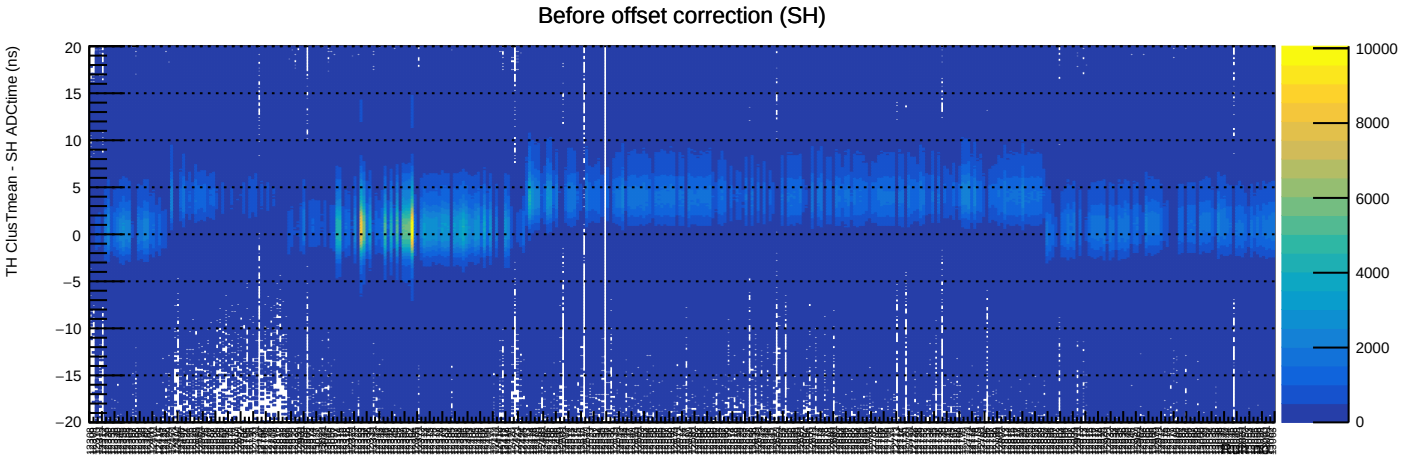
TH ClusTmean - PS ADCtime (ns)
PS block id


Before offset correction (SH)
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−15
−20
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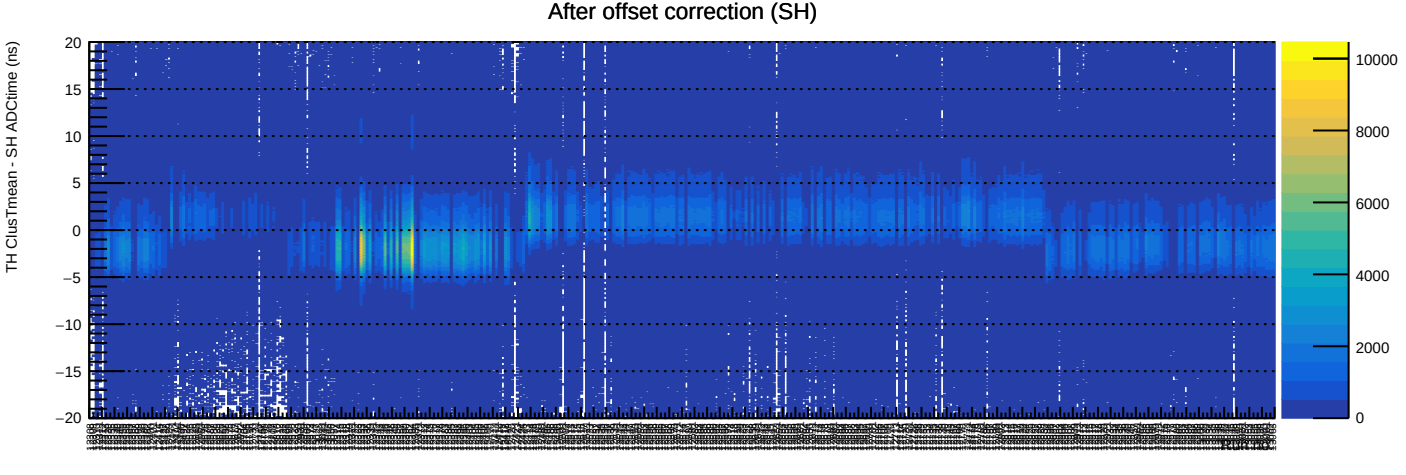
After offset correction (SH)
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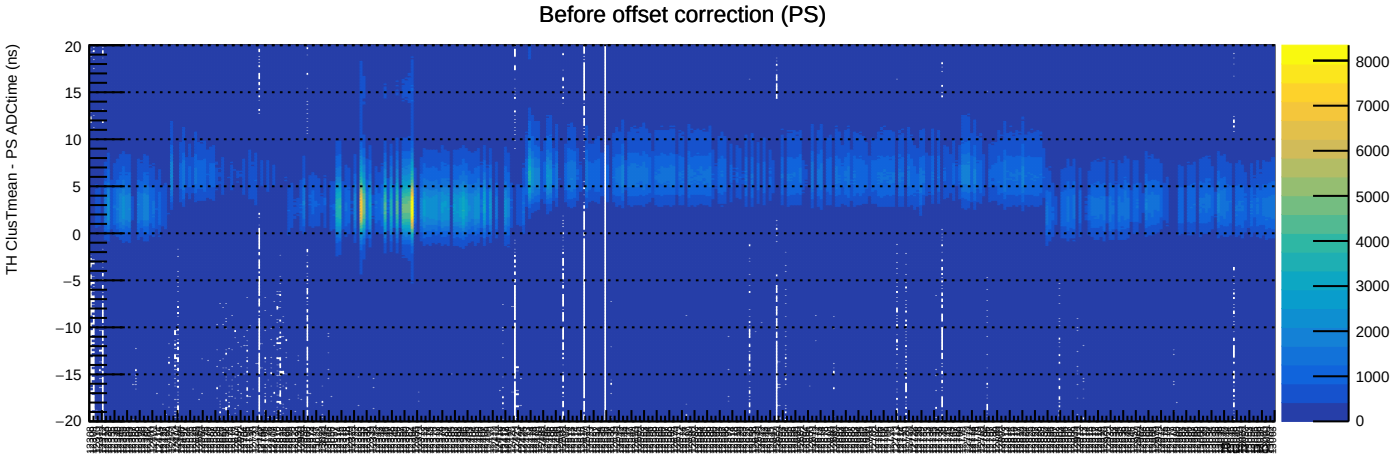
Before offset correction (PS)
TH ClusTmean - PS ADCtime (ns)
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−20
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3000
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1000
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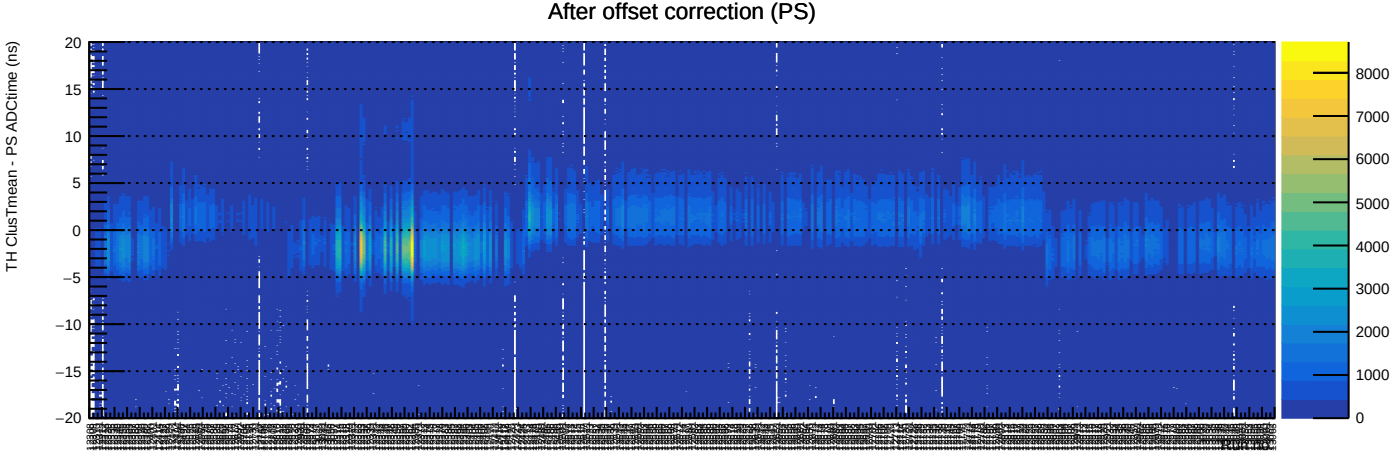
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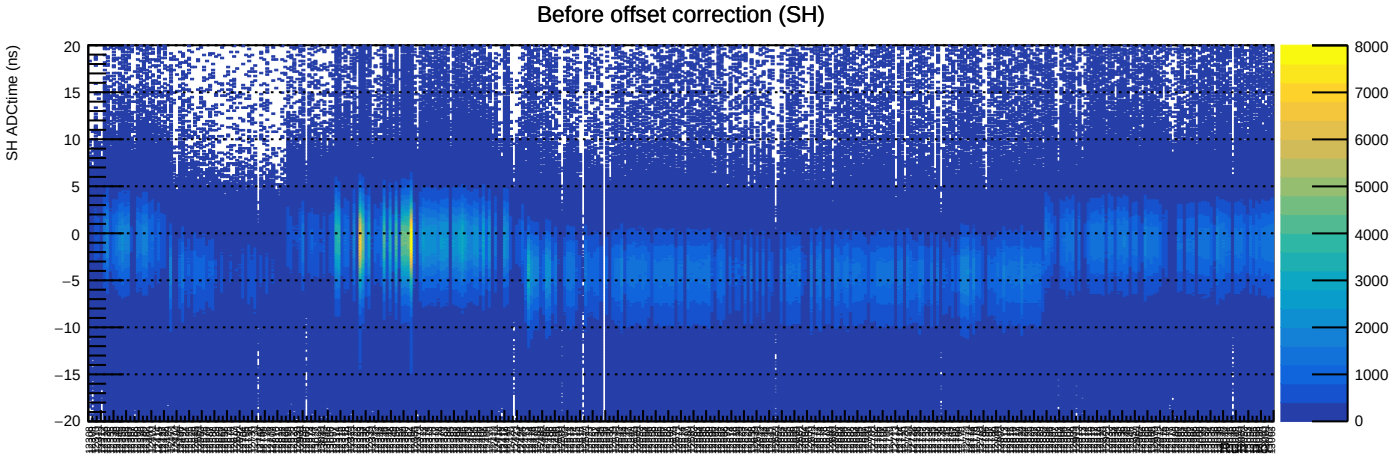
Before offset correction (SH)
SH ADCtime (ns)
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−10
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−20
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7000
6000
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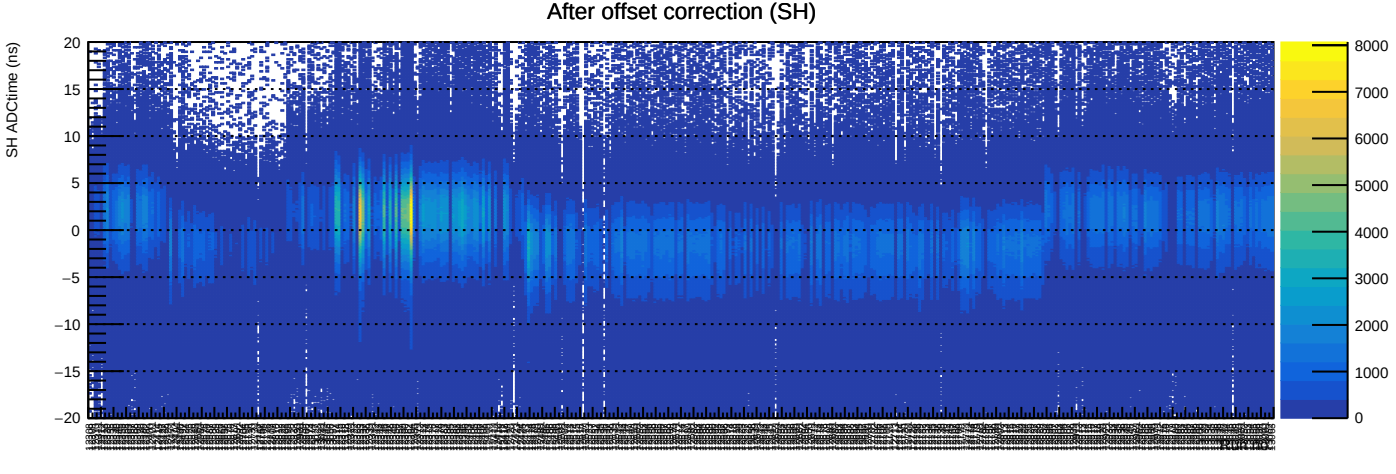
3000
2000
1000
0


After offset correction (SH)
SH ADCtime (ns)
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6000
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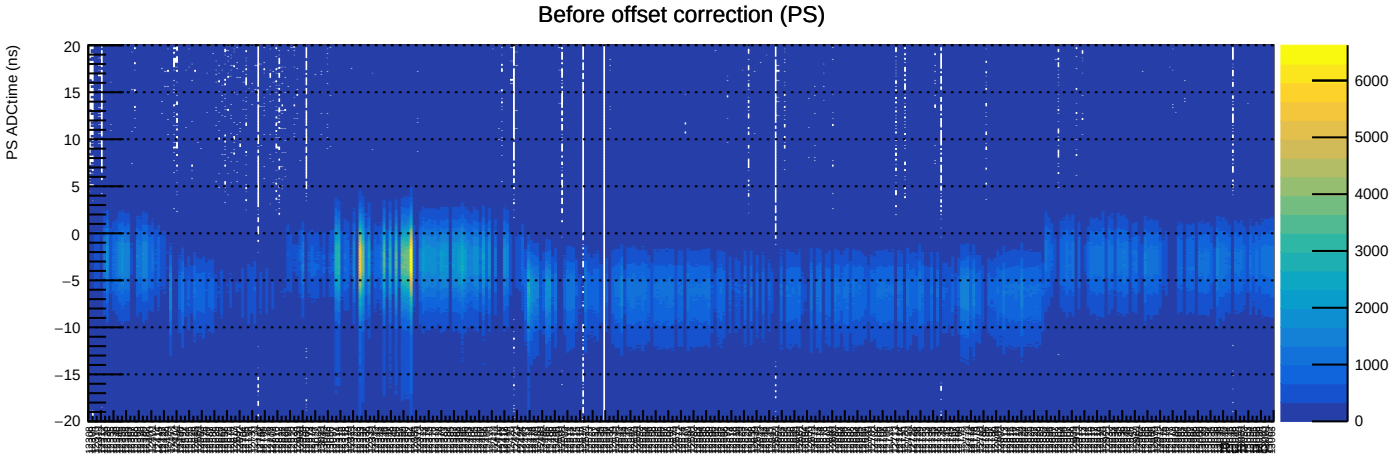
3000
2000
1000
0


Before offset correction (PS)
PS ADCtime (ns)
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1000
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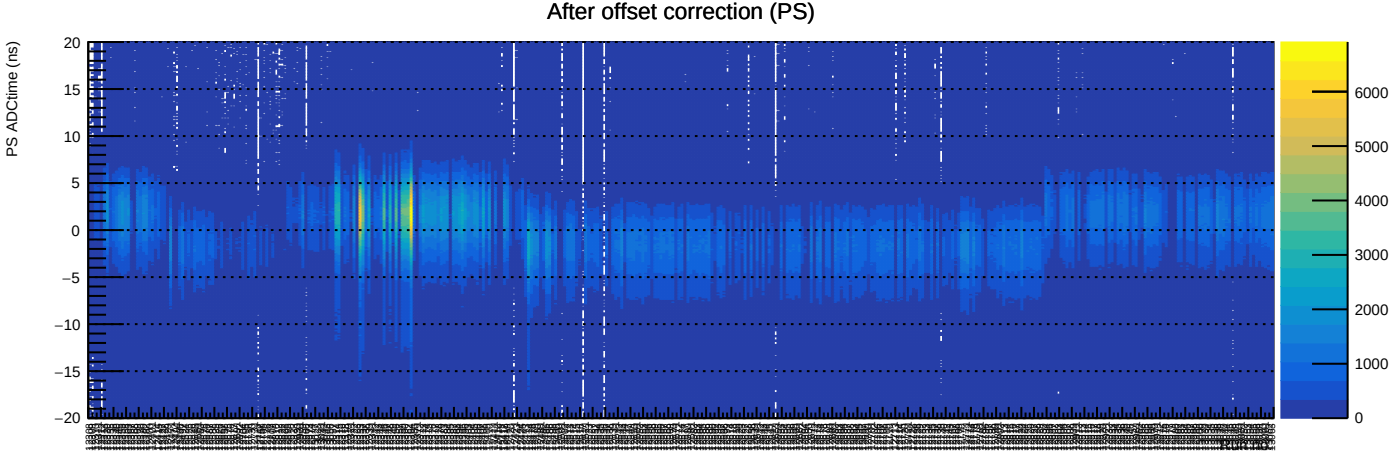
After offset correction (PS)
PS ADCtime (ns)
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15
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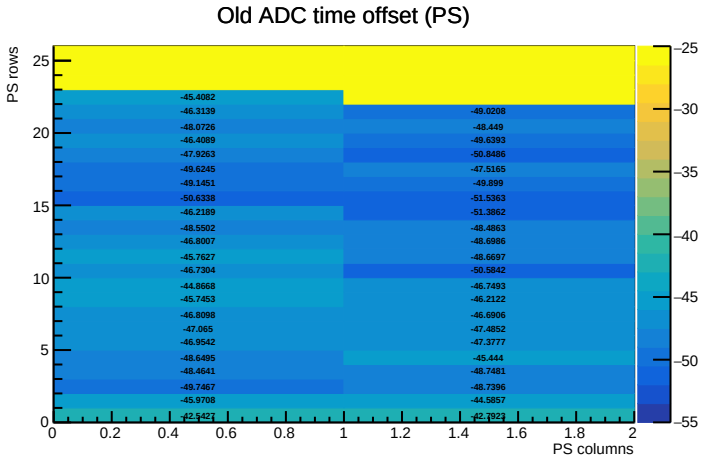
5
0
−5
−10
−15
−20
6000
5000
4000
3000
2000
1000
0


Old ADC time offset (PS)
PS rows
PS columns
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-46.3139
-48.0726
-46.4089
-47.9263
-49.6245
-49.1451
-50.6338
-46.2189
-48.5502
-46.8007
-45.7627
-46.7304
-44.8668
-45.7453
-46.8098
-47.065
-46.9542
-48.6495
-48.4641
-49.7467
-45.9708
-42.5427
-49.0208
-48.449
-49.6393
-50.8486
-47.5165
-49.899
-51.5363
-51.3862
-48.4863
-48.6986
-48.6697
-50.5842
-46.7493
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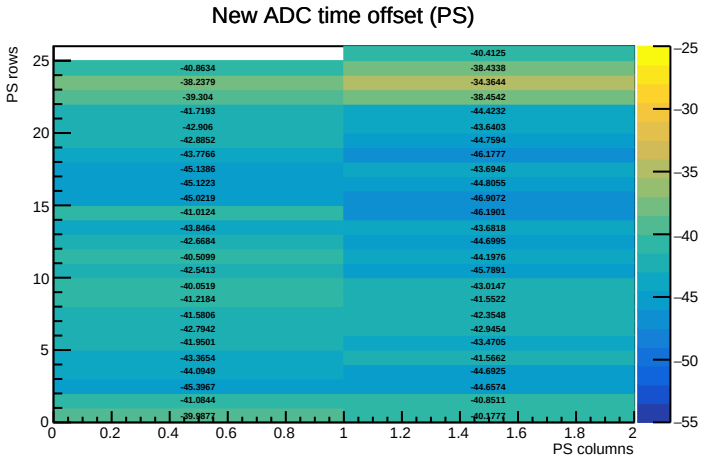
-48.7396
-44.5857
-42.7023


New ADC time offset (PS)
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-44.4232
-42.906
-43.6403
-42.8852
-44.7594
-43.7766
-46.1777
-45.1386
-43.6946
-45.1223
-44.8055
-45.0219
-46.9072
-41.0124
-46.1901
-43.8464
-43.6818
-42.6684
-44.6995
-40.5099
-44.1976
-42.5413
-45.7891
-40.0519
-43.0147
-41.2184
-41.5522
-41.5806
-42.3548
-42.7942
-42.9454
-41.9501
-43.4705
-43.3654
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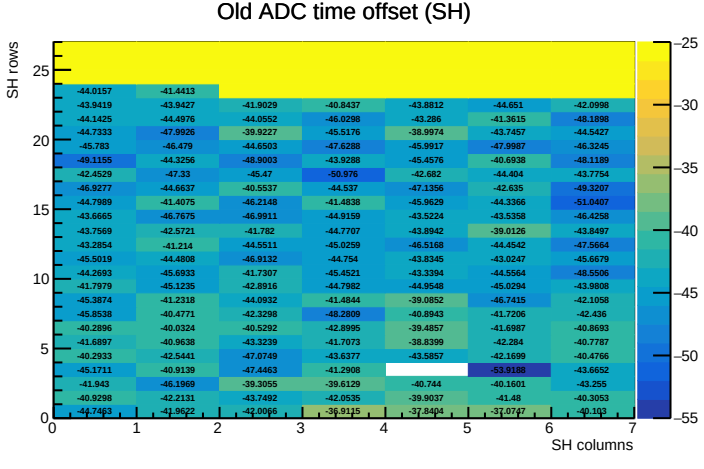
-40.1777


Old ADC time offset (SH)
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-44.4976
-44.0552
-46.0298
-43.286
-41.3615
-48.1898
-44.7333
-47.9926
-39.9227
-45.5176
-38.9974
-43.7457
-44.5427
-45.783
-46.479
-44.6503
-47.6288
-45.9917
-47.9987
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-45.4576
-40.6938
-48.1189
-42.4529
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-45.47
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-47.1356
-42.635
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-44.7989
-41.4075
-46.2148
-41.4838
-45.9629
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-46.7675
-46.9911
-44.9159
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-43.7569
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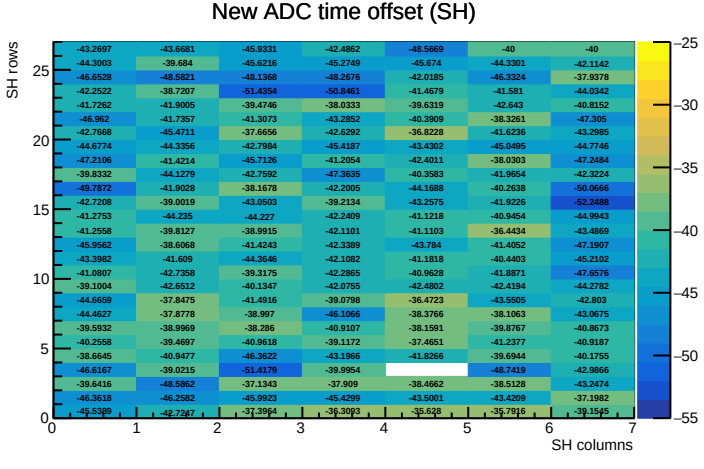
New ADC time offset (SH)
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-48.5821
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-46.3324
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-41.9005
-39.4746
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Date of creation: 8/25/2023

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

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

Total # events analyzed: 133214831

Global cuts:

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

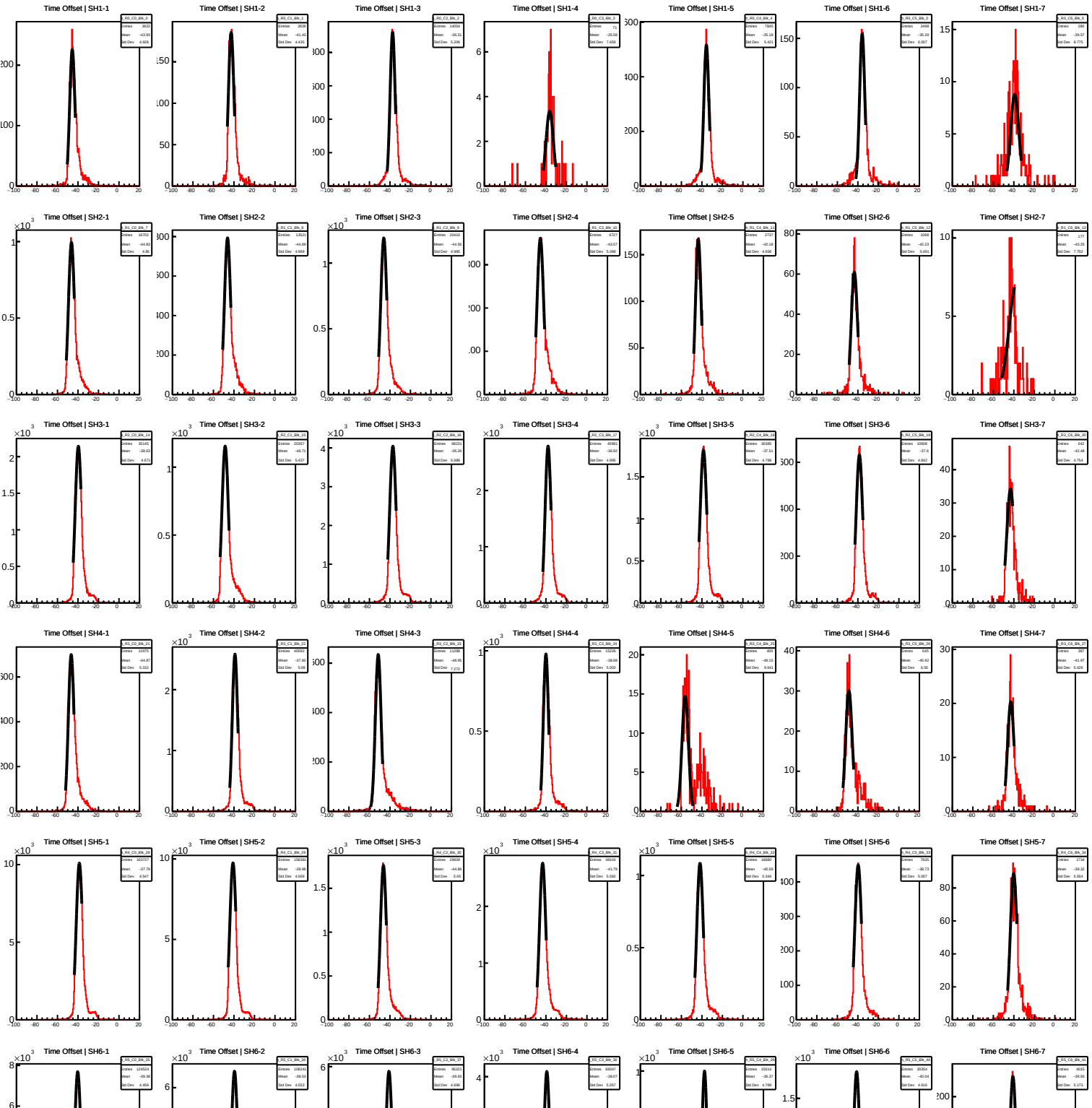
bb.ps.e>0.2, abs(bb.tr.r_x[0]-0.9*bb.tr.r_th[0])<0.32,

# events passed global cuts: 24850307

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 6564.2s | Real 12565.1s


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
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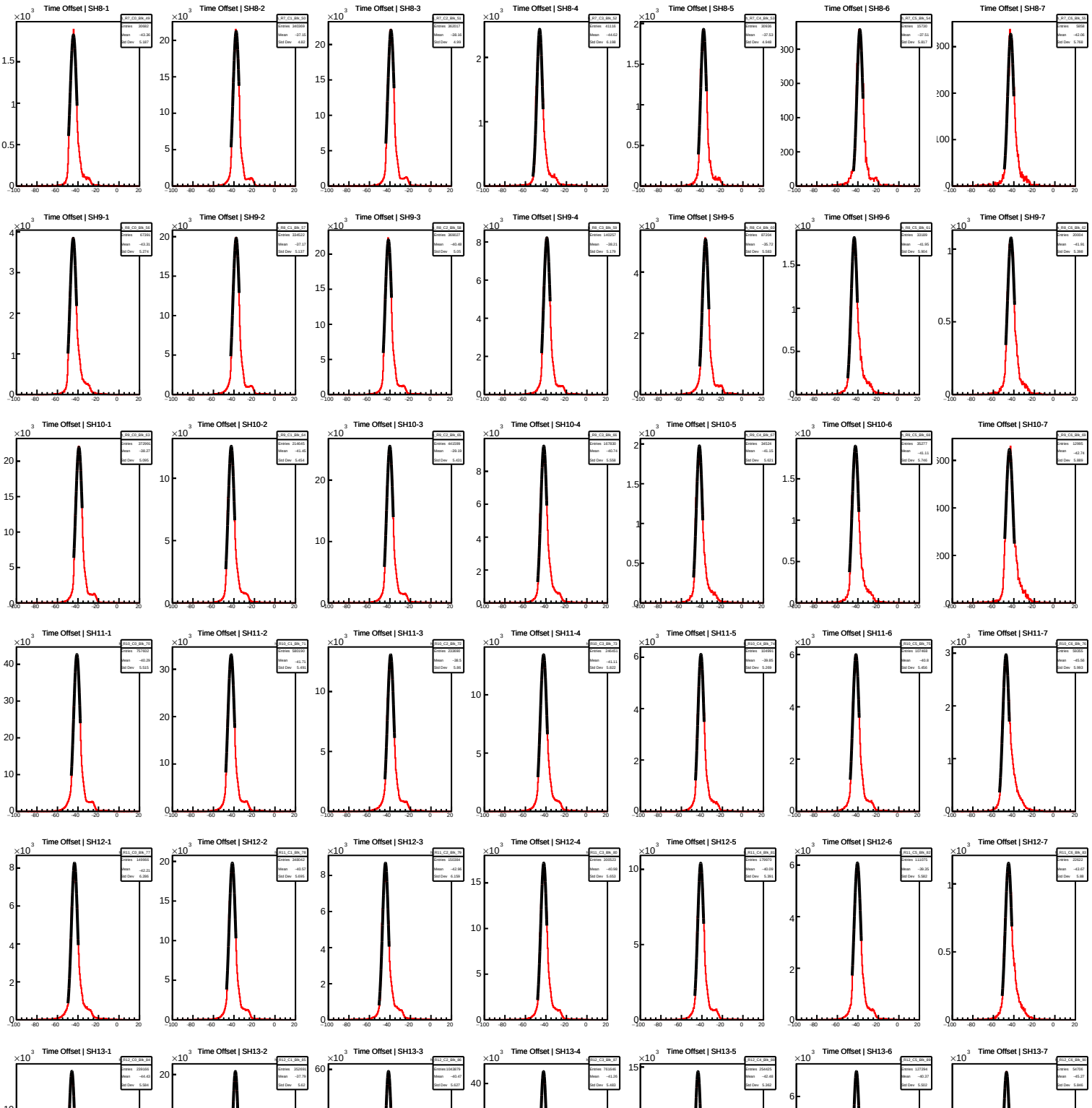
Time Offset | SH6-4
Time Offset | SH6-5
Time Offset | SH6-6
Time Offset | SH6-7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Time Offset | SH8-3
Time Offset | SH8-4
Time Offset | SH8-5
Time Offset | SH8-6
Time Offset | SH8-7
Time Offset | SH9-1
Time Offset | SH9-2
Time Offset | SH9-3
Time Offset | 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
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Time Offset | SH13-3
Time Offset | SH13-4
Time Offset | SH13-5
Time Offset | SH13-6
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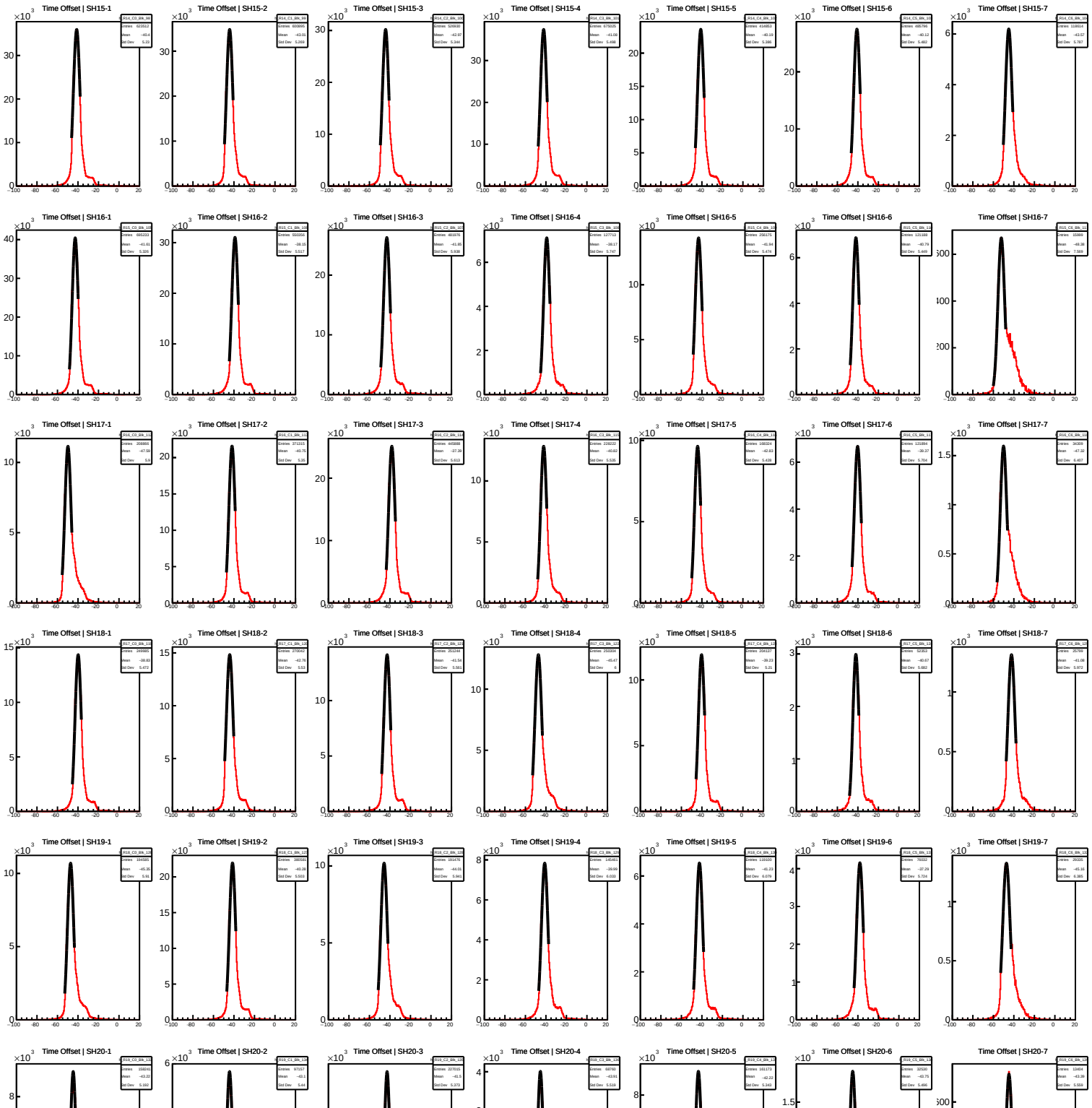
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Time Offset | SH15-7
Time Offset | SH16-1
Time Offset | SH16-2
Time Offset | SH16-3
Time Offset | SH16-4
Time Offset | SH16-5
Time Offset | SH16-6
Time Offset | SH16-7
Time Offset | SH17-1
Time Offset | SH17-2
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Time Offset | SH17-5
Time Offset | SH17-6
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Time Offset | SH19-5
Time Offset | SH19-6
Time Offset | SH19-7
Time Offset | SH20-1
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Time Offset | SH20-4
Time Offset | SH20-5
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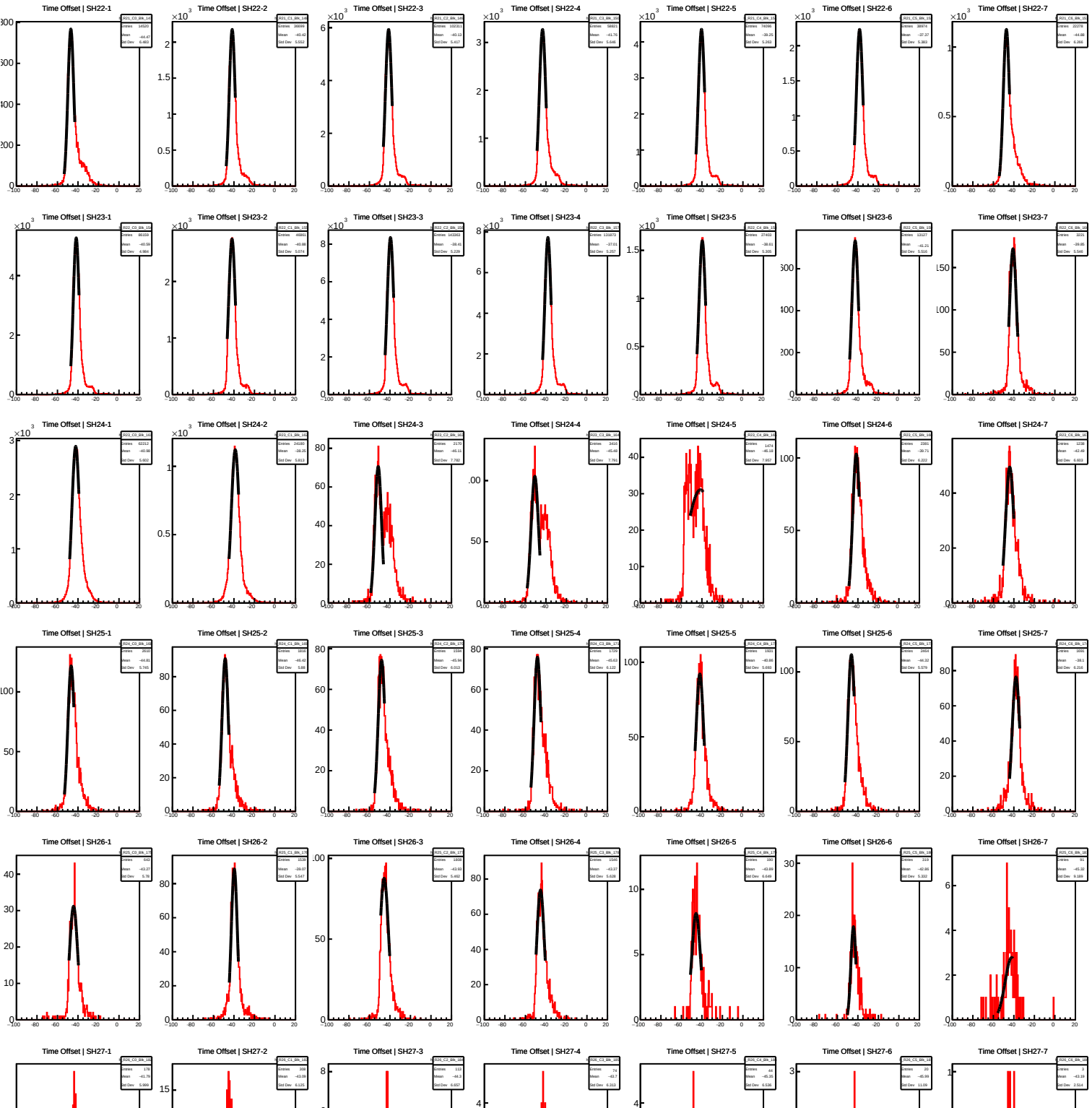
Time Offset | SH20-7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Time Offset | SH22-4
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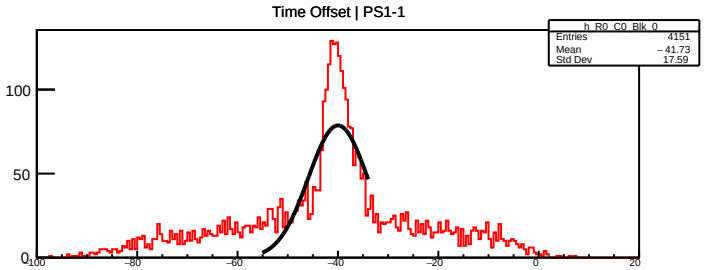
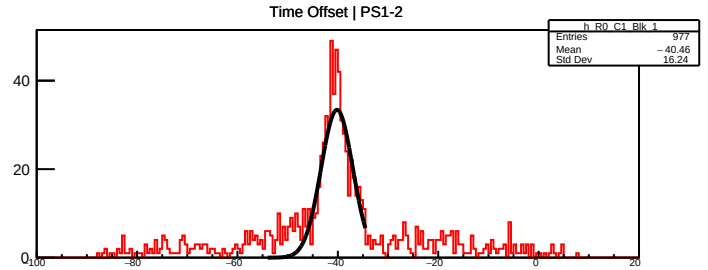
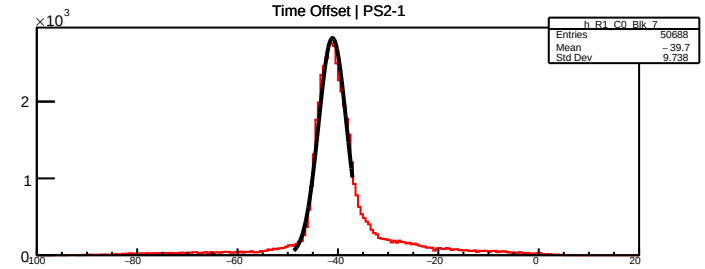
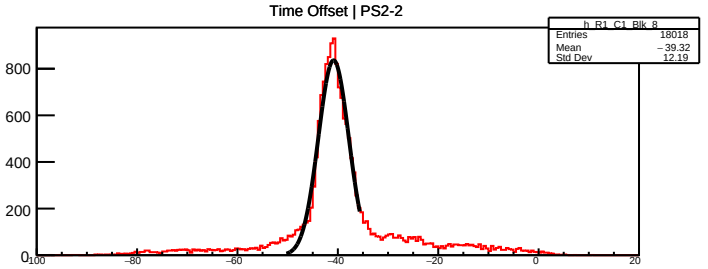
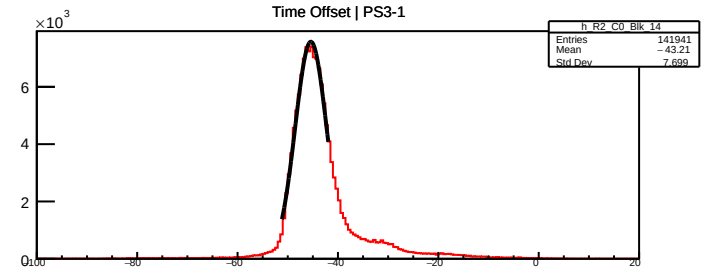
Time Offset | SH22-6
Time Offset | SH22-7
Time Offset | SH23-1
Time Offset | SH23-2
Time Offset | SH23-3
Time Offset | SH23-4
Time Offset | SH23-5
Time Offset | SH23-6
Time Offset | SH23-7
Time Offset | SH24-1
Time Offset | SH24-2
Time Offset | SH24-3
Time Offset | SH24-4
Time Offset | SH24-5
Time Offset | 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

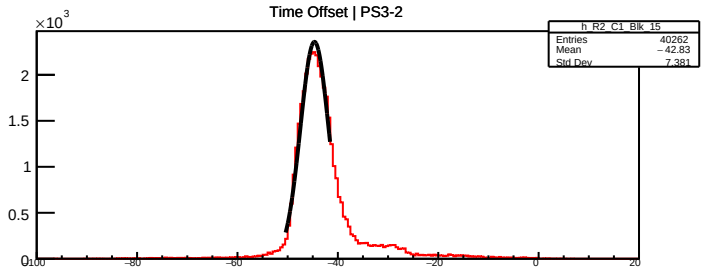

Time Offset | PS1-1
h_R0_C0_Blk_0
Entries 4151
Mean −41.73
Std Dev 17.59

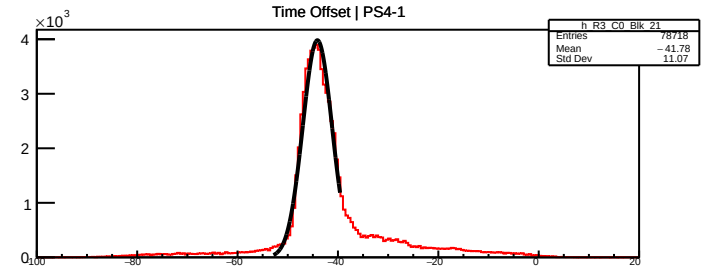

Time Offset | PS1-2
h_R0_C1_Blk_1
Entries 977
Mean −40.46
Std Dev 16.24

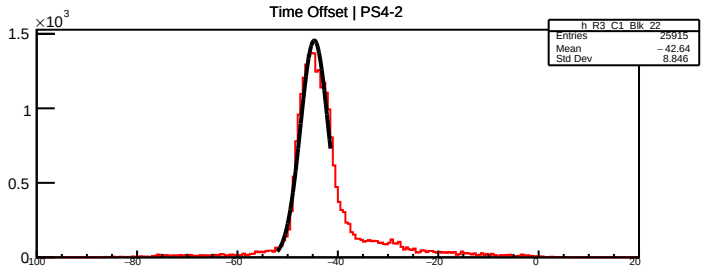

Time Offset | PS2-1
h_R1_C0_Blk_7
Entries 50688
Mean −39.7
Std Dev 9.738

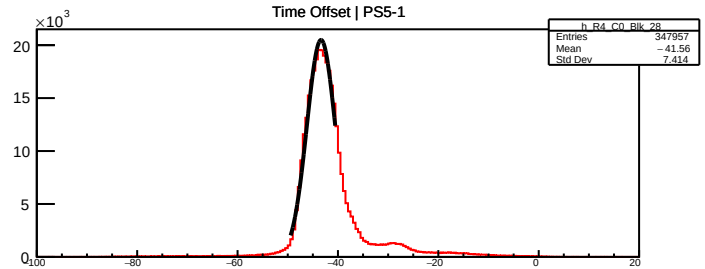

Time Offset | PS2-2
h_R1_C1_Blk_8
Entries 18018
Mean −39.32
Std Dev 12.19

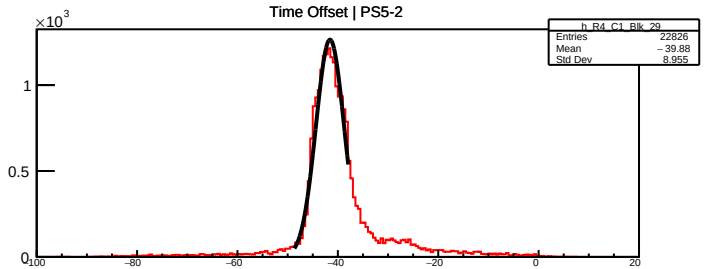

Time Offset | PS3-1
h_R2_C0_Blk_14
Entries 141941
Mean −43.21
Std Dev 7.699

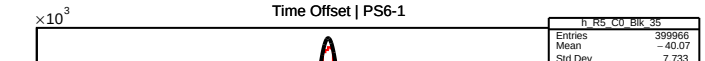

Time Offset | PS3-2
h_R2_C1_Blk_15
Entries 40262
Mean −42.83
Std Dev 7.381

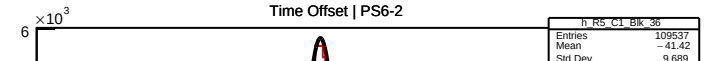

Time Offset | PS4-1
h_R3_C0_Blk_21
Entries 78718
Mean −41.78
Std Dev 11.07

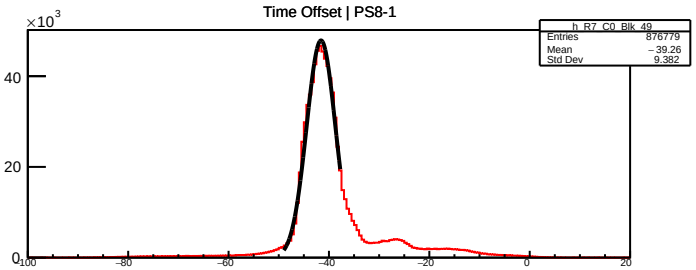

Time Offset | PS4-2
h_R3_C1_Blk_22
Entries 25915
Mean −42.64
Std Dev 8.846

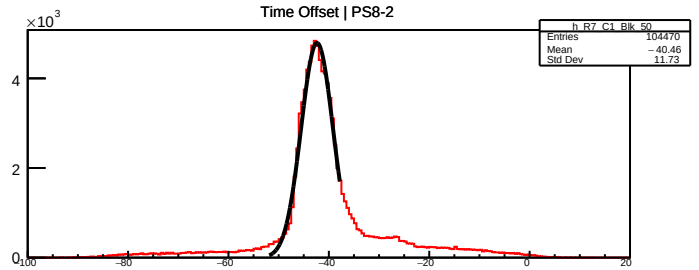

Time Offset | PS5-1
h_R4_C0_Blk_28
Entries 347957
Mean −41.56
Std Dev 7.414

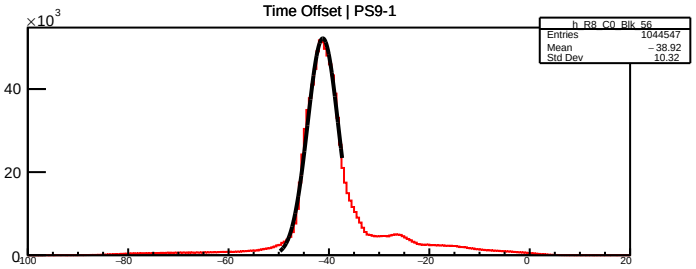

Time Offset | PS5-2
h_R4_C1_Blk_29
Entries 22826
Mean −39.88
Std Dev 8.955

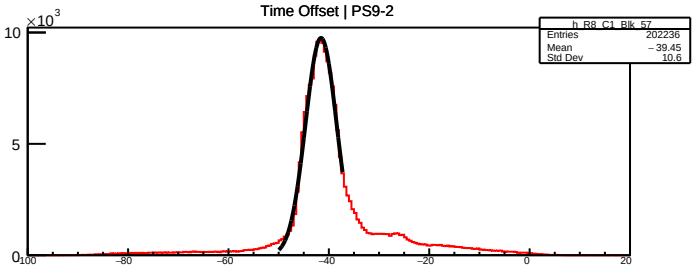

Time Offset | PS6-1
h_R5_C0_Blk_35
Entries 399966
Mean −40.07
Std Dev 7.733

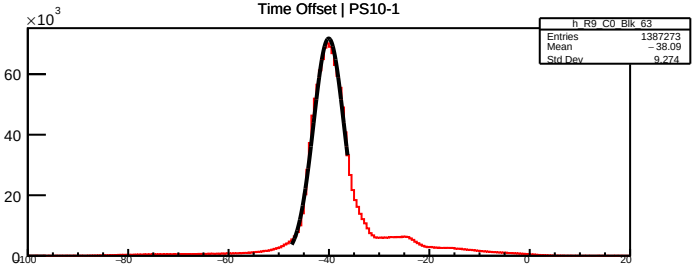

Time Offset | PS6-2
h_R5_C1_Blk_36
Entries 109537
Mean −41.42
Std Dev 9.689

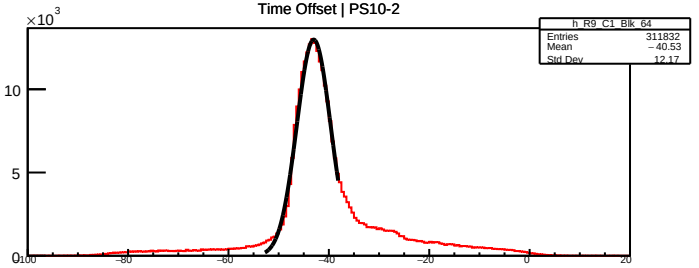

Time Offset | PS8-1
h_R7_C0_Blk_49
Entries 876779
Mean −39.26
Std Dev 9.382

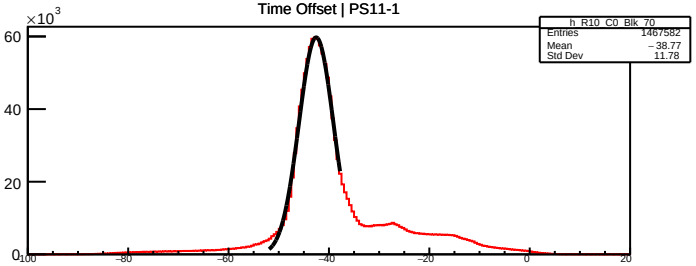

Time Offset | PS8-2
h_R7_C1_Blk_50
Entries 104470
Mean −40.46
Std Dev 11.73

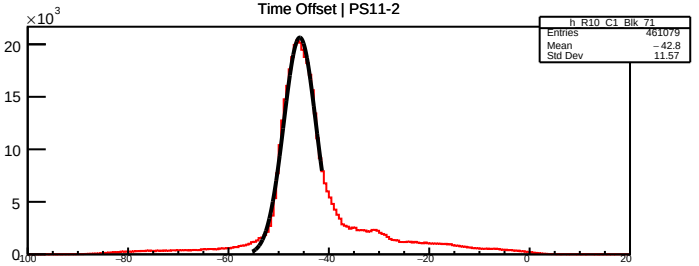

Time Offset | PS9-1
h_R8_C0_Blk_56
Entries 1044547
Mean −38.92
Std Dev 10.32

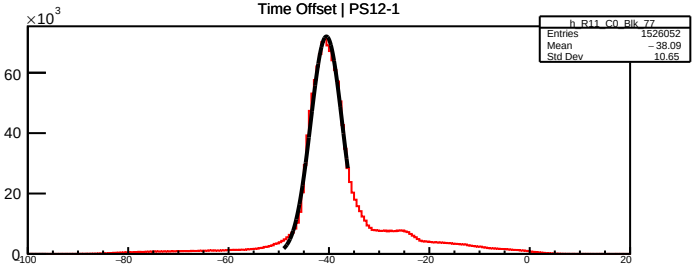

Time Offset | PS9-2
h_R8_C1_Blk_57
Entries 202236
Mean −39.45
Std Dev 10.6

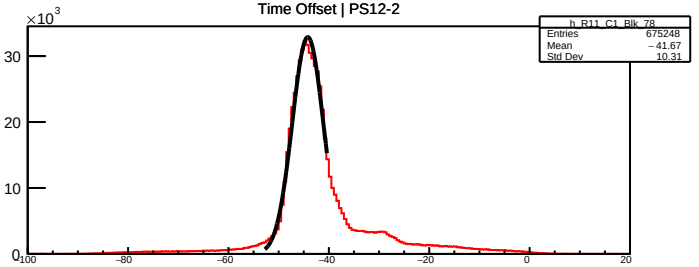

Time Offset | PS10-1
h_R9_C0_Blk_63
Entries 1387273
Mean −38.09
Std Dev 9.274


Time Offset | PS10-2
h_R9_C1_Blk_64
Entries 311832
Mean −40.53
Std Dev 12.17


Time Offset | PS11-1
h_R10_C0_Blk_70
Entries 1467582
Mean −38.77
Std Dev 11.78

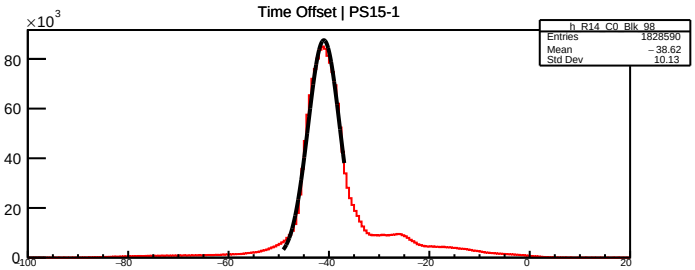

Time Offset | PS11-2
h_R10_C1_Blk_71
Entries 461079
Mean −42.8
Std Dev 11.57

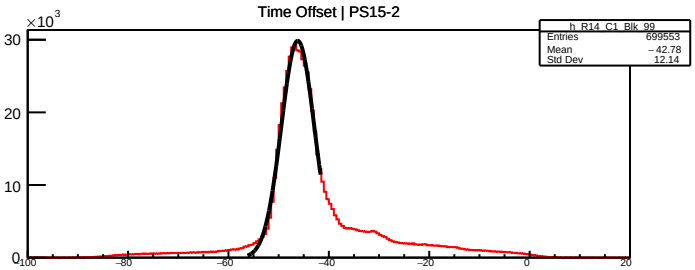

Time Offset | PS12-1
h_R11_C0_Blk_77
Entries 1526052
Mean −38.09
Std Dev 10.65

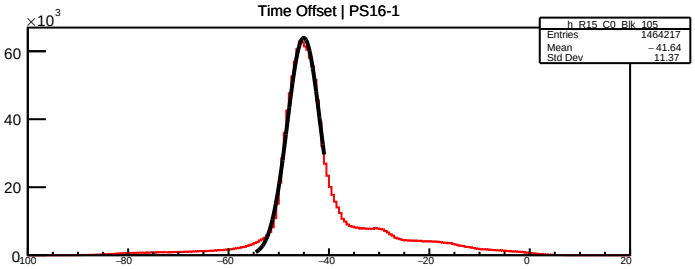

Time Offset | PS12-2
h_R11_C1_Blk_78
Entries 675248
Mean −41.67
Std Dev 10.31

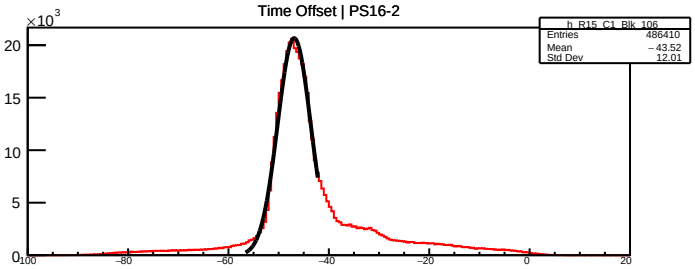

Time Offset | PS13-1
h_R12_C0_Blk_84
Entries 1731563
Mean −40.32
Std Dev 10.5

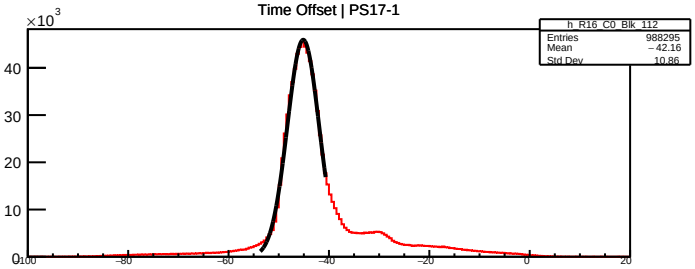

Time Offset | PS13-2
h_R12_C1_Blk_85
Entries 692608
Mean −41.86
Std Dev 12.42

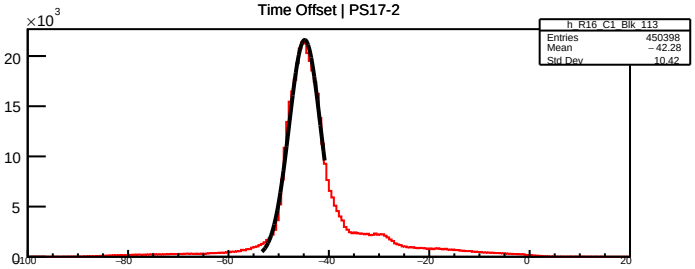

Time Offset | PS15-1
h_R14_C0_Blk_98
Entries 1828590
Mean −38.62
Std Dev 10.13

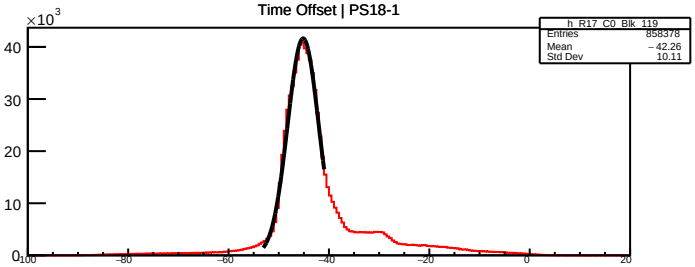

Time Offset | PS15-2
h_R14_C1_Blk_99
Entries 699553
Mean −42.78
Std Dev 12.14

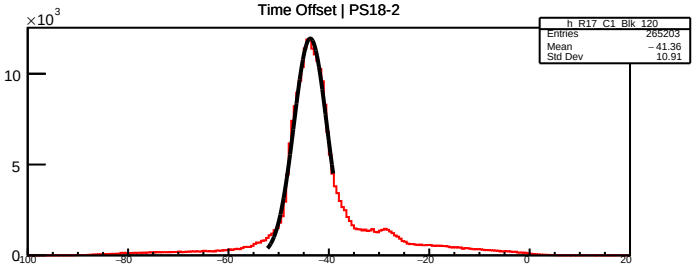

Time Offset | PS16-1
h_R15_C0_Blk_105
Entries 1464217
Mean −41.64
Std Dev 11.37

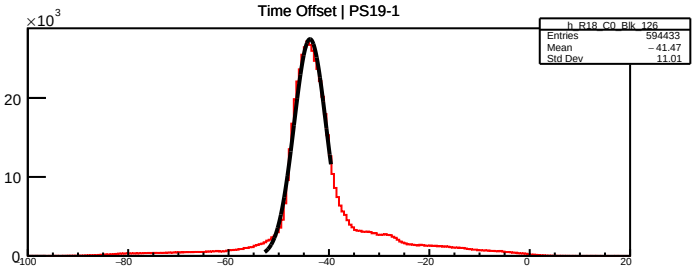

Time Offset | PS16-2
h_R15_C1_Blk_106
Entries 486410
Mean −43.52
Std Dev 12.01

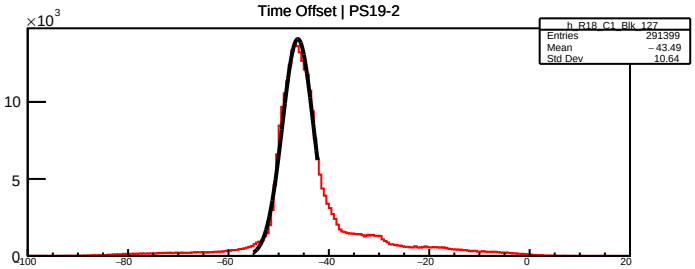

Time Offset | PS17-1
h_R16_C0_Blk_112
Entries 988295
Mean −42.16
Std Dev 10.86

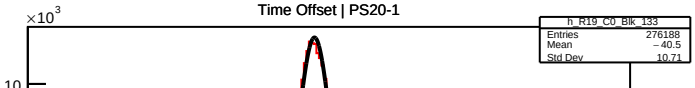

Time Offset | PS17-2
h_R16_C1_Blk_113
Entries 450398
Mean −42.28
Std Dev 10.42

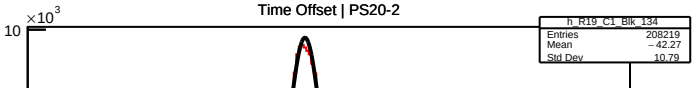

Time Offset | PS18-1
h_R17_C0_Blk_119
Entries 858378
Mean −42.26
Std Dev 10.11

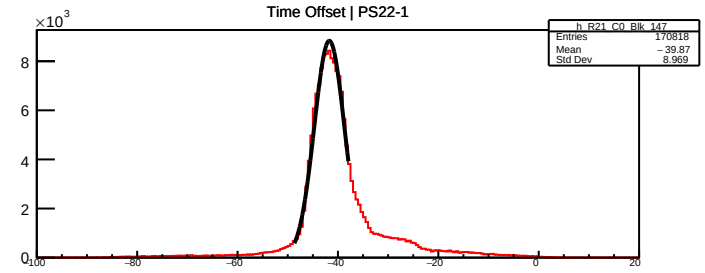

Time Offset | PS18-2
h_R17_C1_Blk_120
Entries 265203
Mean −41.36
Std Dev 10.91

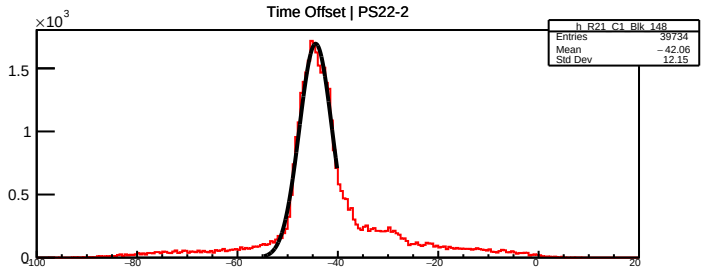

Time Offset | PS19-1
h_R18_C0_Blk_126
Entries 594433
Mean −41.47
Std Dev 11.01

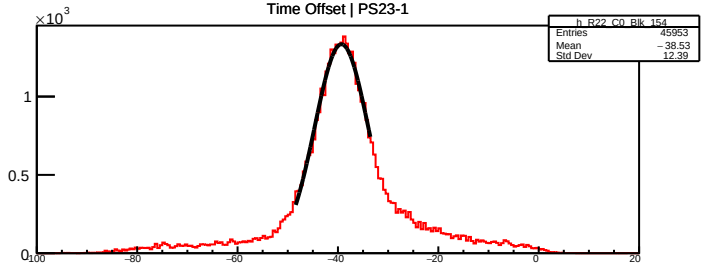

Time Offset | PS19-2
h_R18_C1_Blk_127
Entries 291399
Mean −43.49
Std Dev 10.64

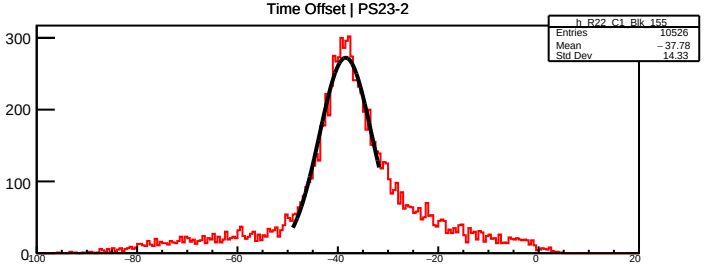

Time Offset | PS20-1
h_R19_C0_Blk_133
Entries 276188
Mean −40.5
Std Dev 10.71

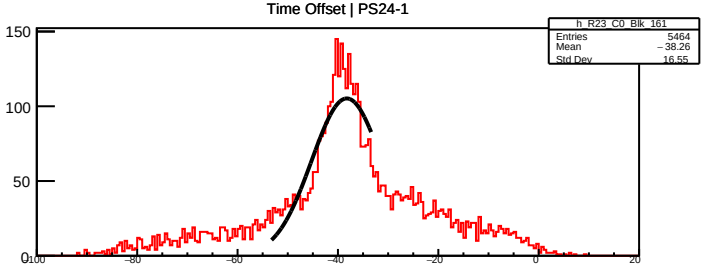

Time Offset | PS20-2
h_R19_C1_Blk_134
Entries 208219
Mean −42.27
Std Dev 10.79

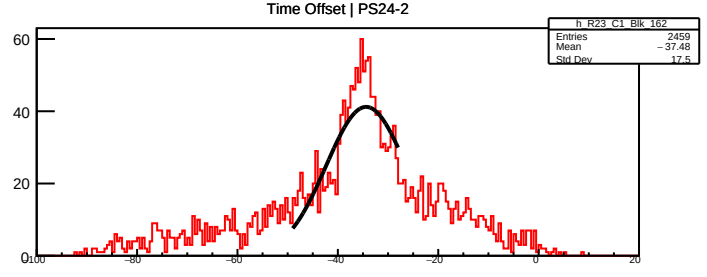

Time Offset | PS22-1
h_R21_C0_Blk_147
Entries 170818
Mean −39.87
Std Dev 8.969

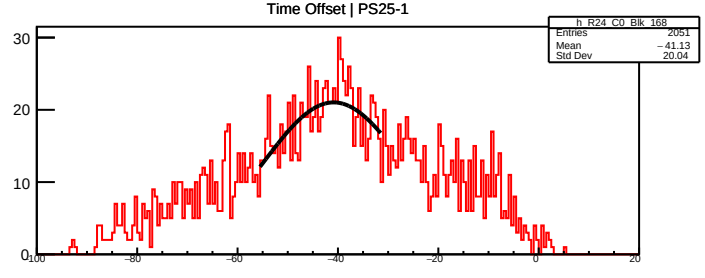

Time Offset | PS22-2
h_R21_C1_Blk_148
Entries 39734
Mean −42.06
Std Dev 12.15

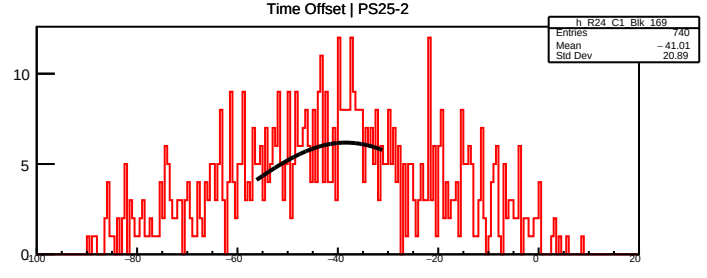

Time Offset | PS23-1
h_R22_C0_Blk_154
Entries 45953
Mean −38.53
Std Dev 12.39

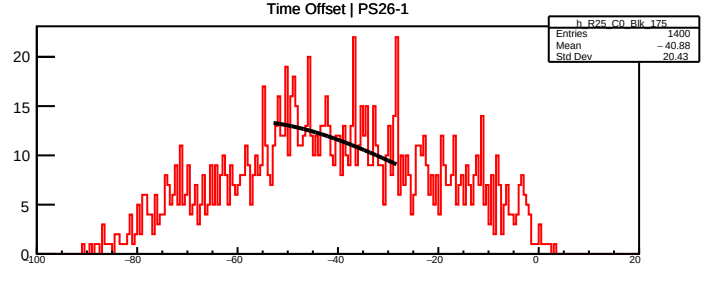

Time Offset | PS23-2
h_R22_C1_Blk_155
Entries 10526
Mean −37.78
Std Dev 14.33

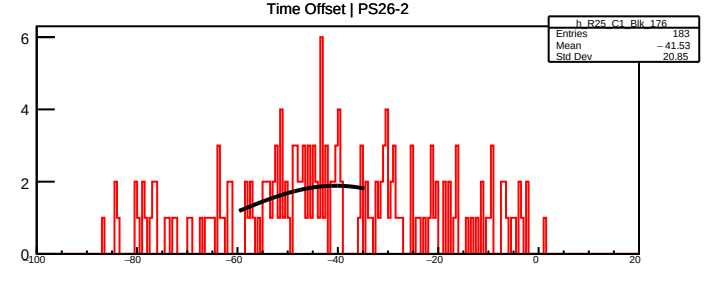

Time Offset | PS24-1
h_R23_C0_Blk_161
Entries 5464
Mean −38.26
Std Dev 16.55


Time Offset | PS24-2
h_R23_C1_Blk_162
Entries 2459
Mean −37.48
Std Dev 17.5


Time Offset | PS25-1
h_R24_C0_Blk_168
Entries 2051
Mean −41.13
Std Dev 20.04


Time Offset | PS25-2
h_R24_C1_Blk_169
Entries 740
Mean −41.01
Std Dev 20.89


Time Offset | PS26-1
h_R25_C0_Blk_175
Entries 1400
Mean −40.88
Std Dev 20.43


Time Offset | PS26-2
h_R25_C1_Blk_176
Entries 183
Mean −41.53
Std Dev 20.85