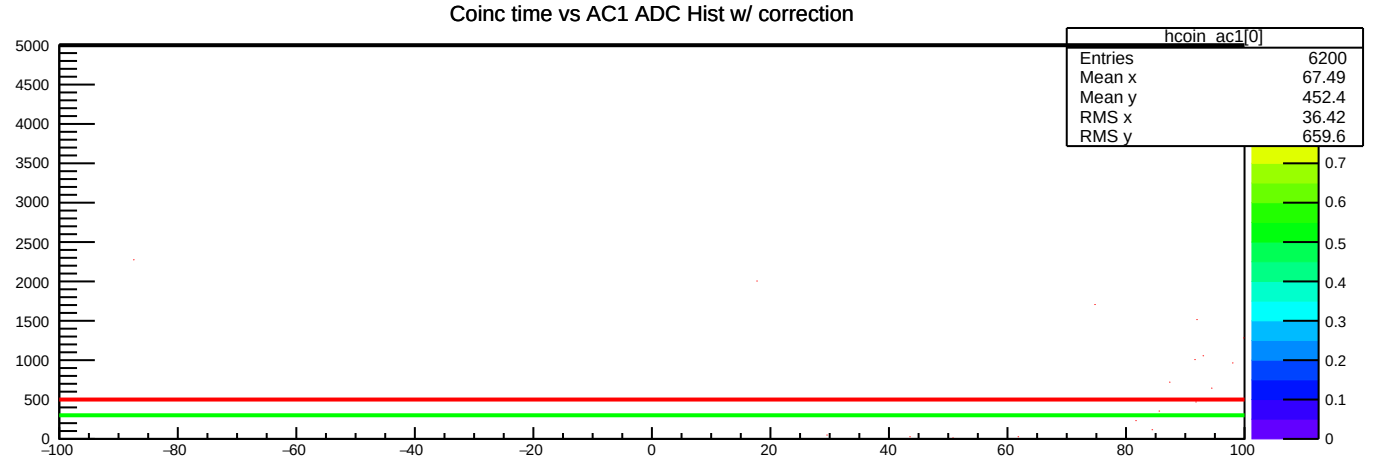
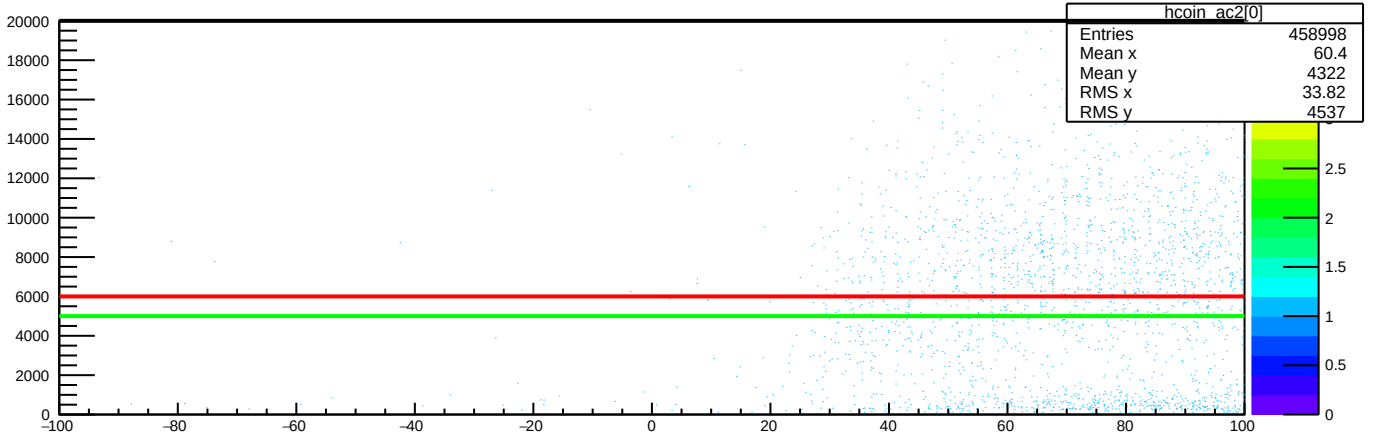
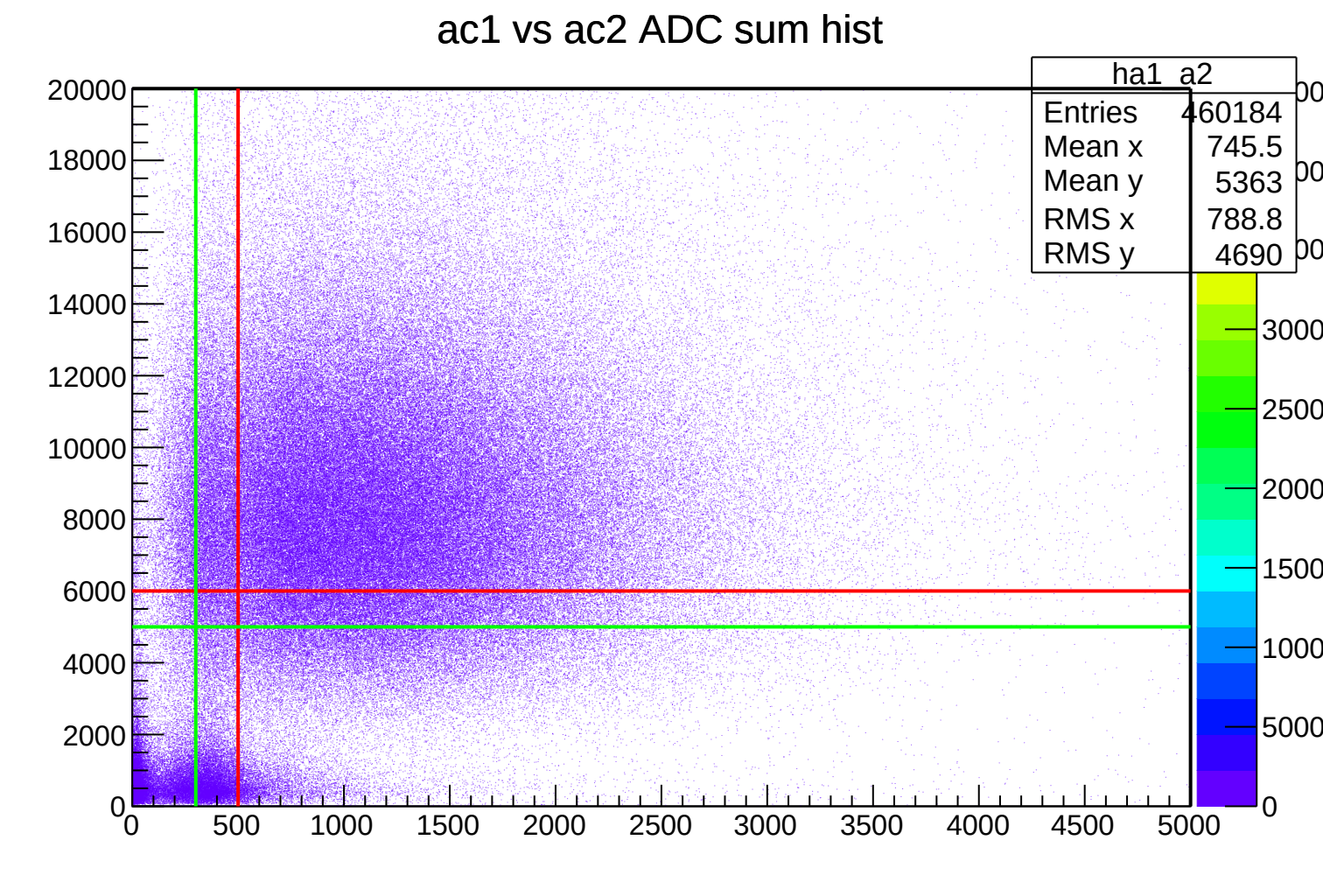
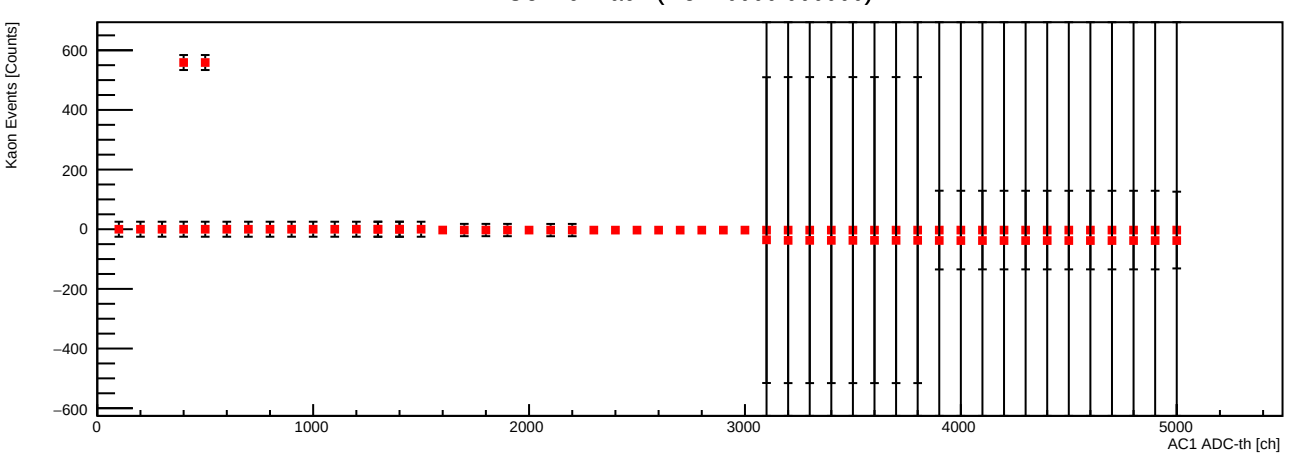
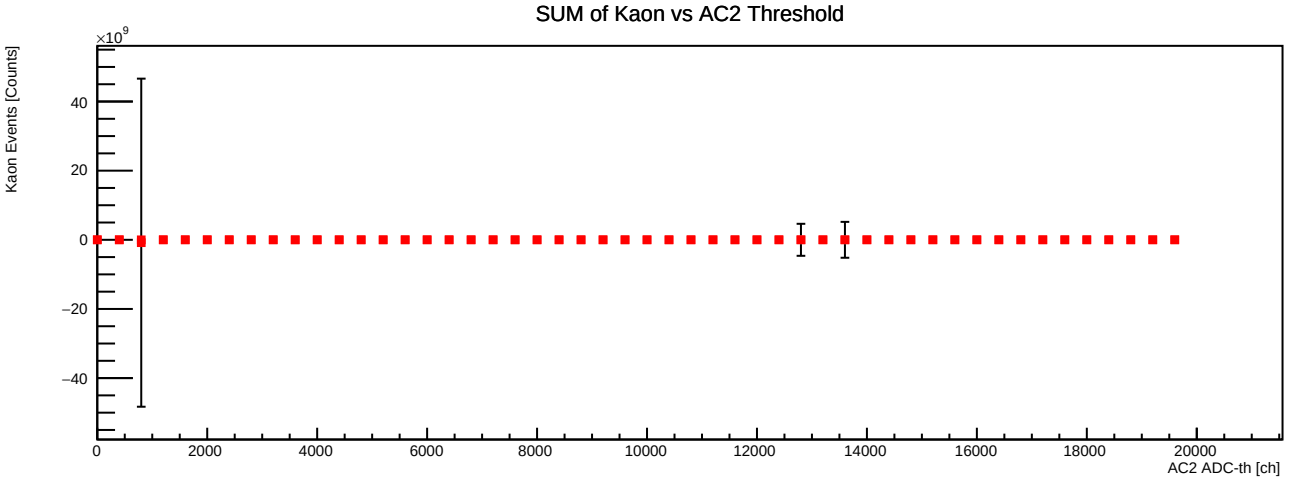
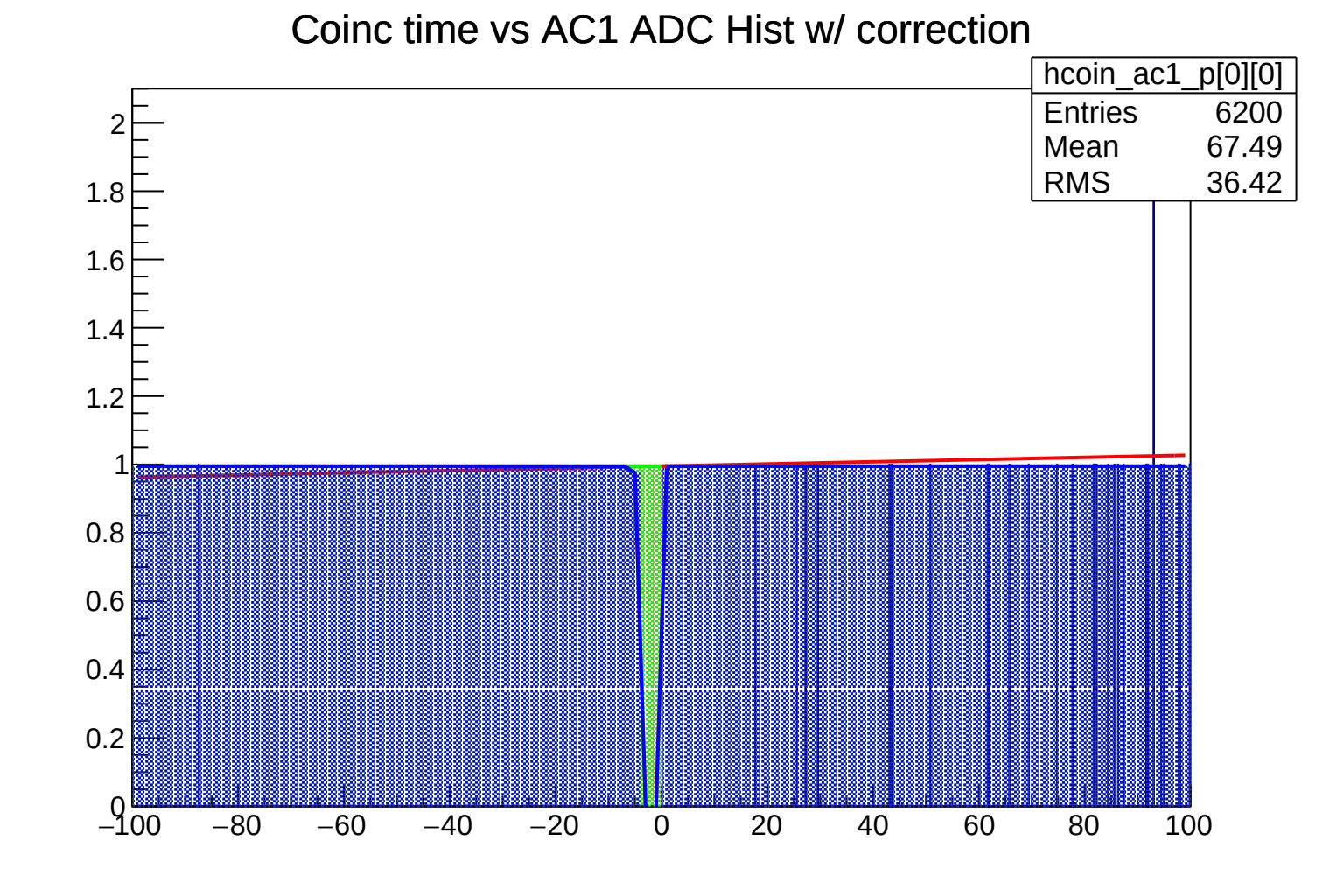

Coinc time vs AC1 ADC Hist w/ correction
hcoin_ac1[0]
Entries 6200
Mean x 67.49
Mean y 452.4
RMS x 36.42
RMS y 659.6
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

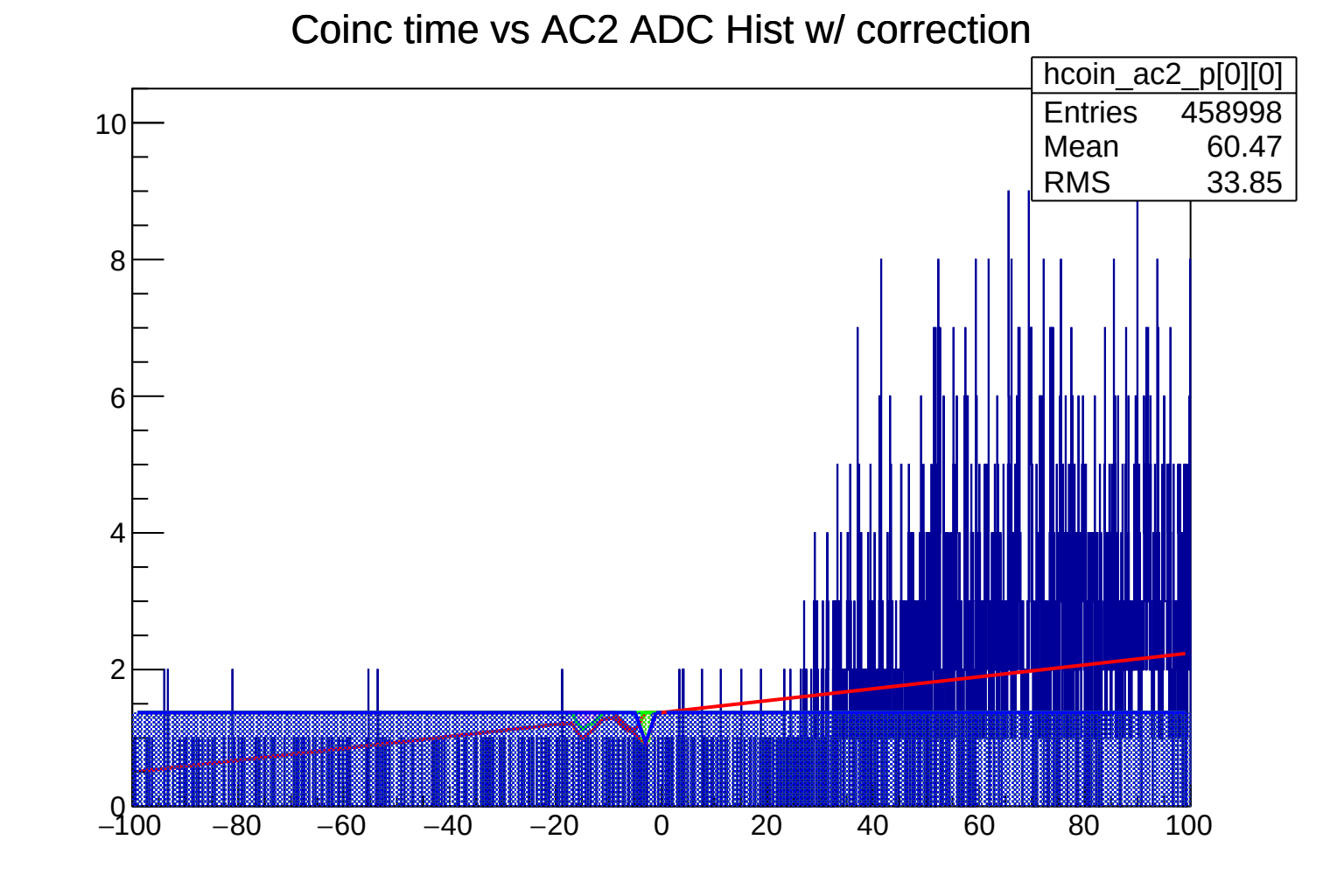

Coinc time vs AC2 ADC Hist w/ correction
hcoin_ac2[0]
Entries 458998
Mean x 60.4
Mean y 4322
RMS x 33.82
RMS y 4537
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
2.5
2
1.5
1
0.5
0

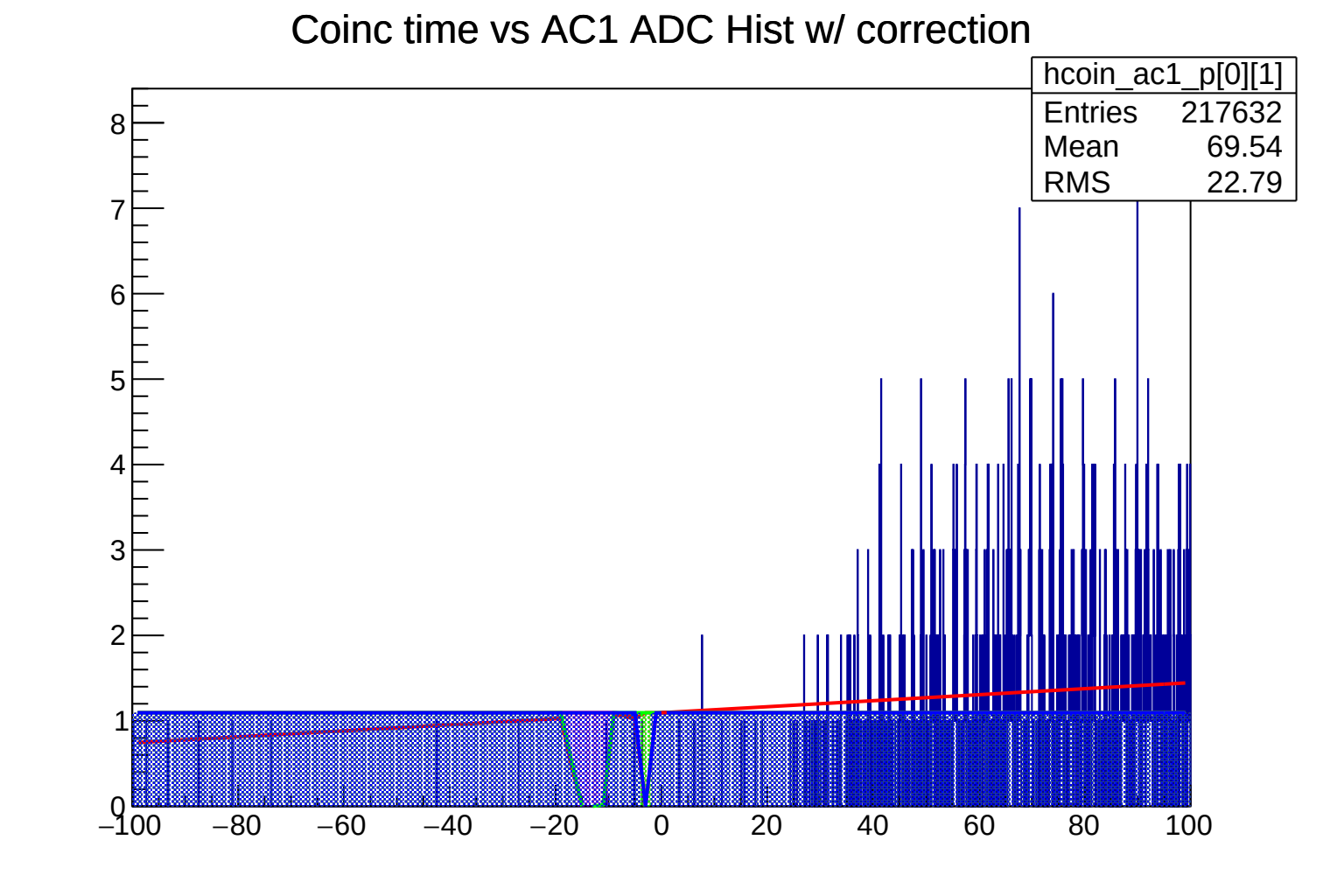

ac1 vs ac2 ADC sum hist
ha1_a2
Entries 460184
Mean x 745.5
Mean y 5363
RMS x 788.8
RMS y 4690
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
3000
2500
2000
1500
1000
5000
0

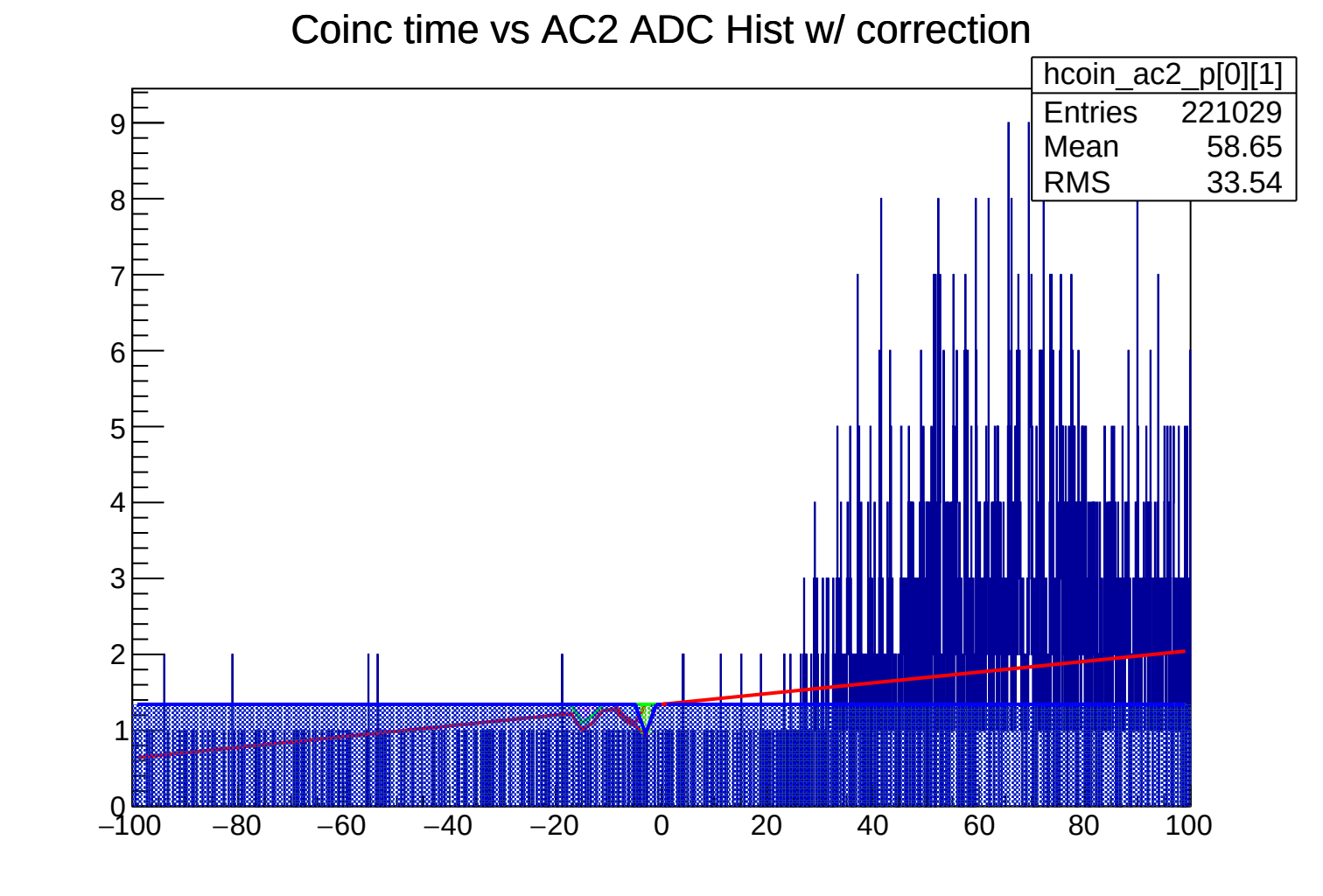

SUM of Kaon (AC2<6000.000000)
Kaon Events [Counts]
600
400
200
0
−200
−400
−600
0
1000
2000
3000
4000
5000
AC1 ADC-th [ch]

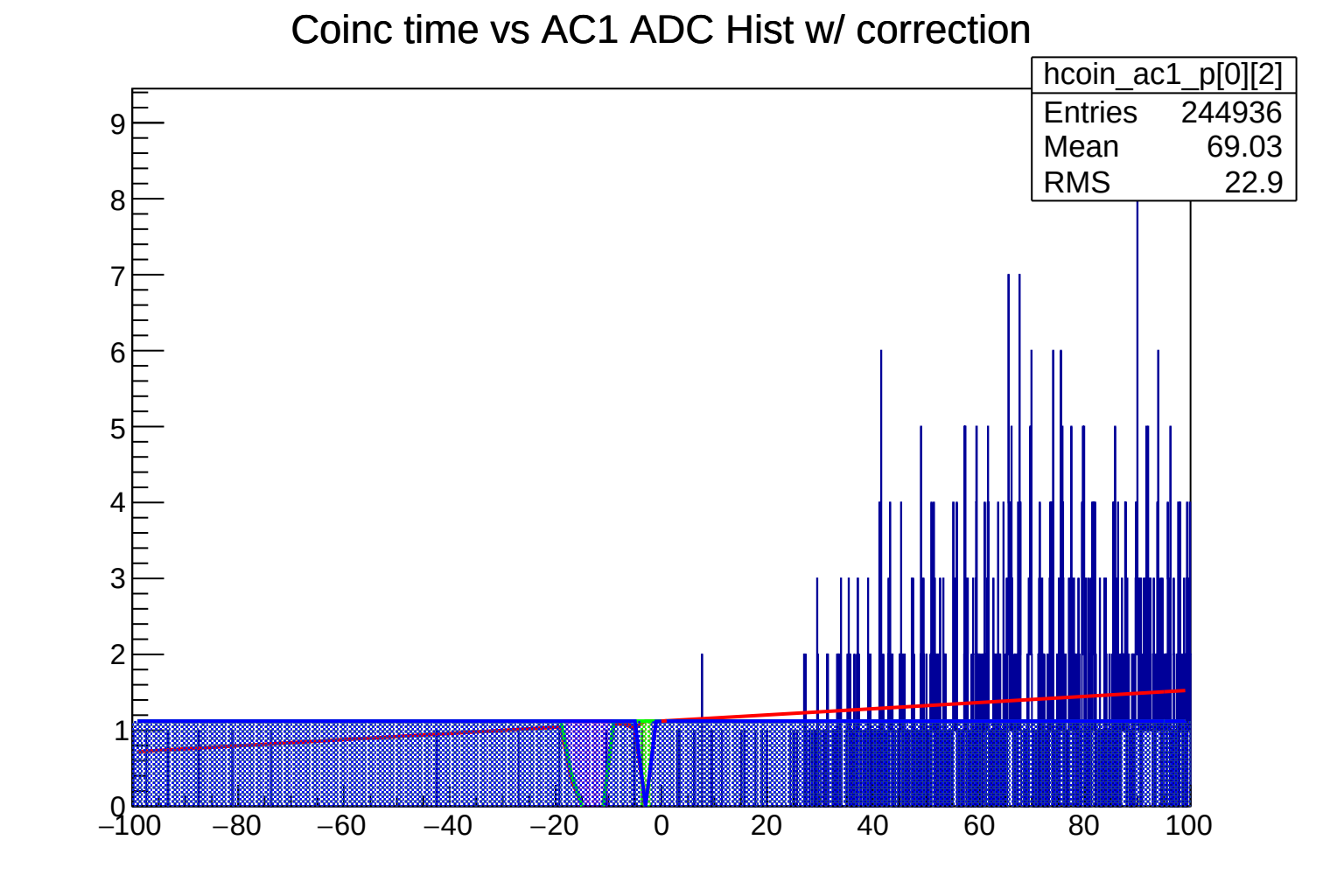

SUM of Kaon vs AC2 Threshold
×10^9
Kaon Events [Counts]
40
20
0
−20
−40
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
AC2 ADC-th [ch]

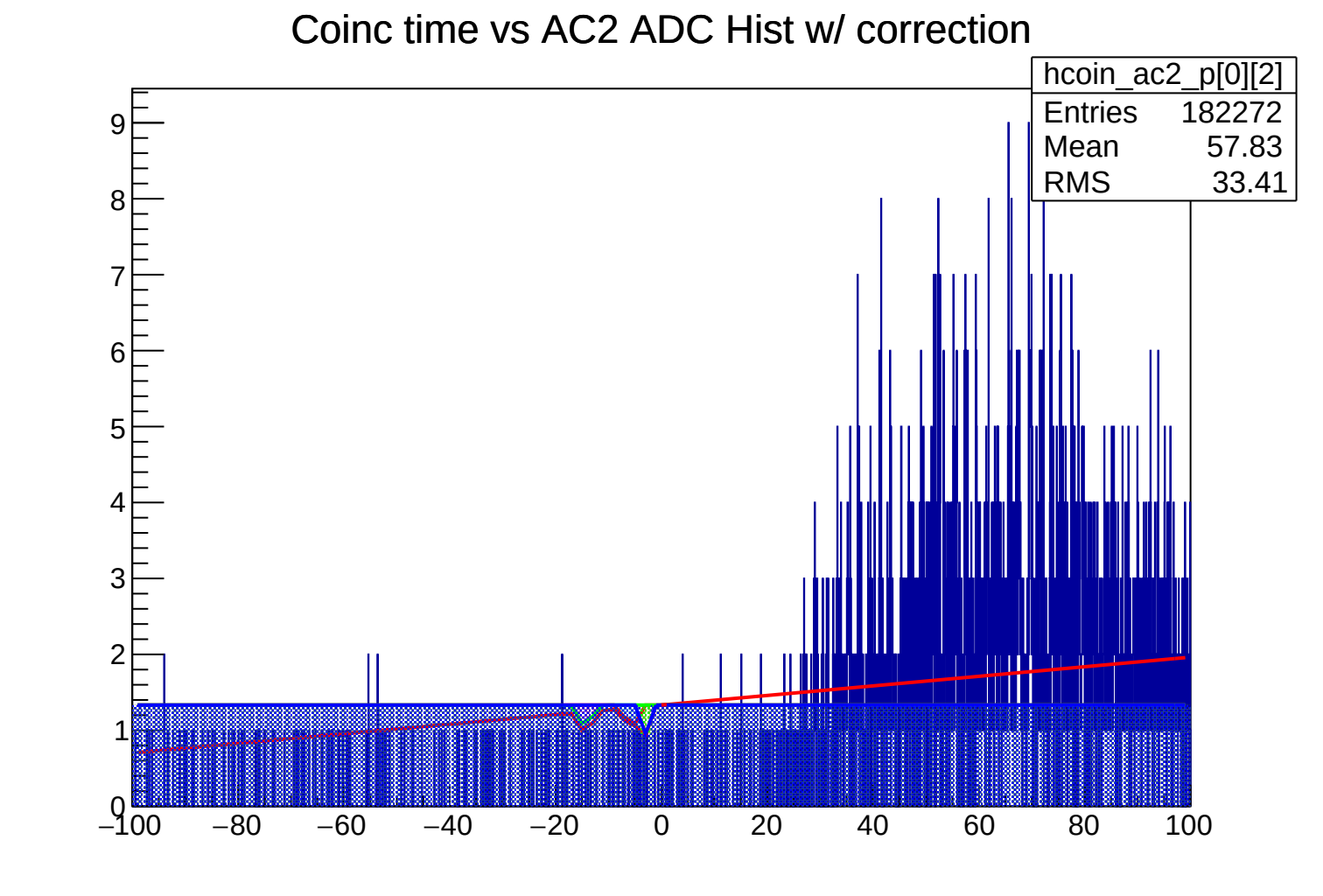

Coinc time vs AC1 ADC Hist w/ correction
hcoin_ac1_p[0][0]
Entries 6200
Mean 67.49
RMS 36.42
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−100
−80
−60
−40
−20
0
20
40
60
80
100

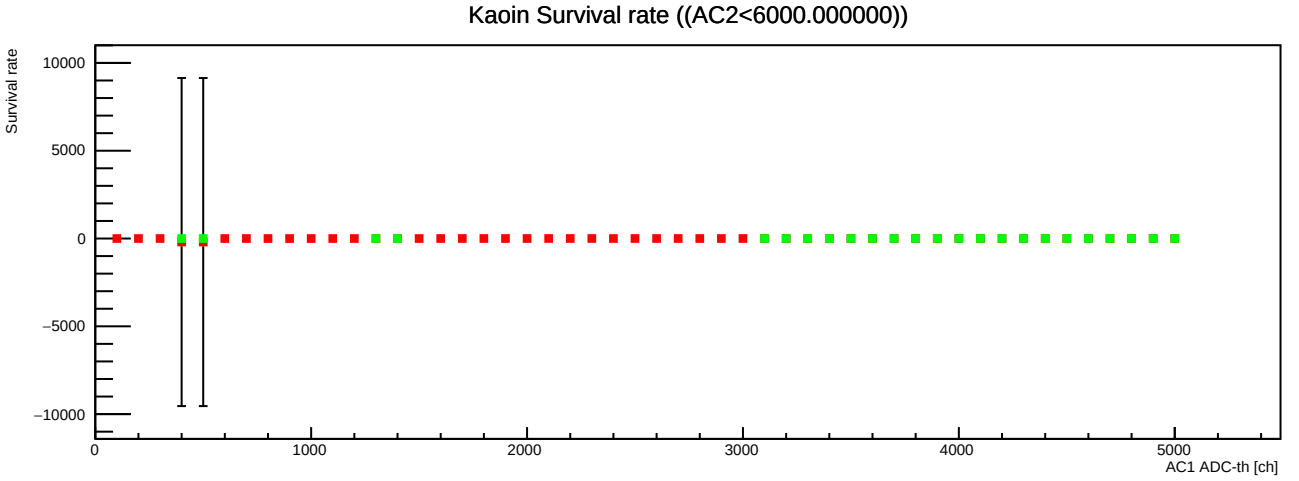

Coinc time vs AC2 ADC Hist w/ correction
hcoin_ac2_p[0][0]
Entries 458998
Mean 60.47
RMS 33.85
10
8
6
4
2
0
−100
−80
−60
−40
−20
0
20
40
60
80
100

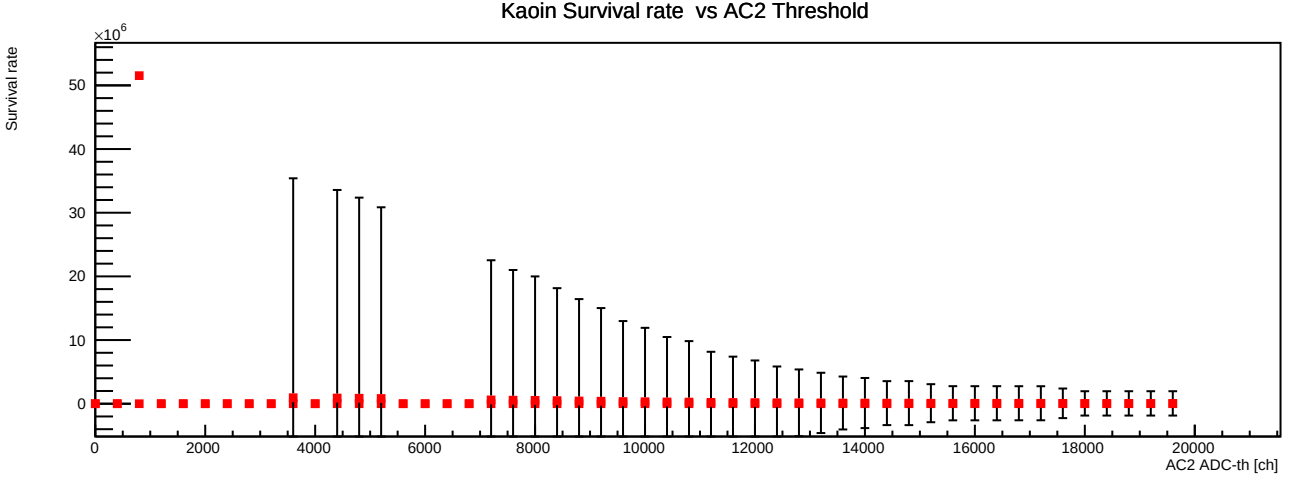

Coinc time vs AC1 ADC Hist w/ correction
hcoin_ac1_p[0][1]
Entries 217632
Mean 69.54
RMS 22.79
8
7
6
5
4
3
2
1
0
−100
−80
−60
−40
−20
0
20
40
60
80
100

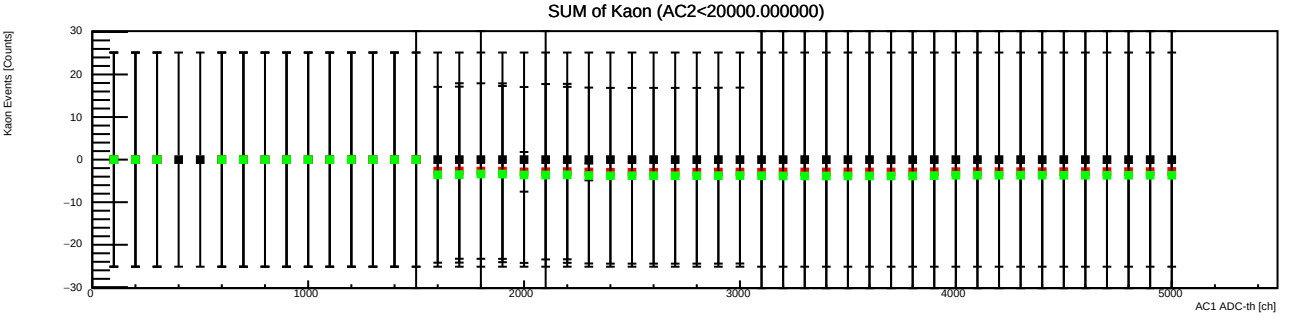

Coinc time vs AC2 ADC Hist w/ correction
hcoin_ac2_p[0][1]
Entries 221029
Mean 58.65
RMS 33.54
0
1
2
3
4
5
6
7
8
9
−100
−80
−60
−40
−20
0
20
40
60
80
100

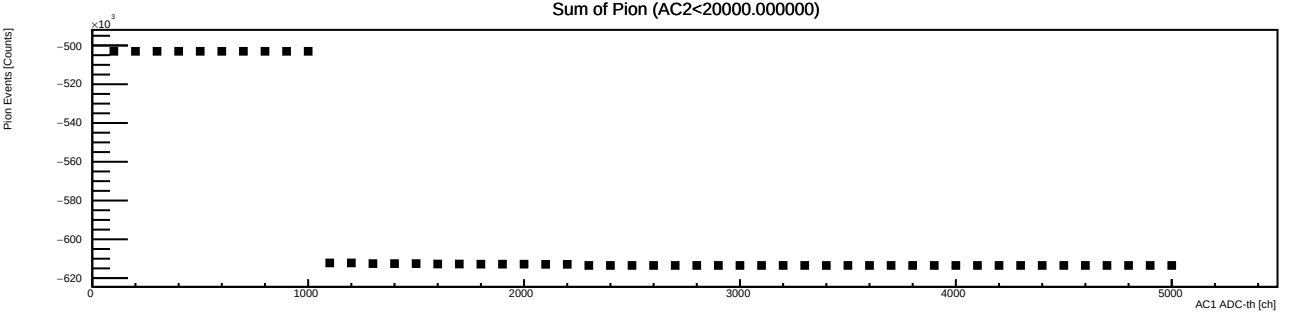

Coinc time vs AC1 ADC Hist w/ correction
hcoin_ac1_p[0][2]
Entries 244936
Mean 69.03
RMS 22.9
9
8
7
6
5
4
3
2
1
0
−100
−80
−60
−40
−20
0
20
40
60
80
100

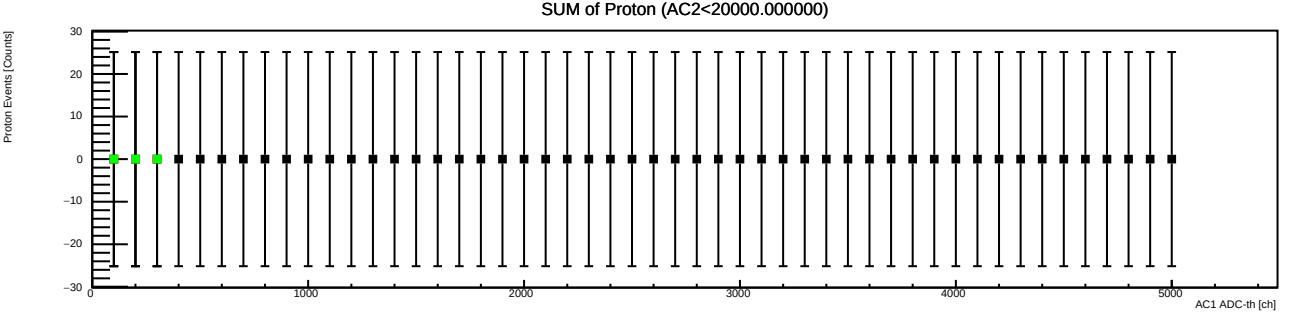

Coinc time vs AC2 ADC Hist w/ correction
hcoin_ac2_p[0][2]
Entries 182272
Mean 57.83
RMS 33.41
9
8
7
6
5
4
3
2
1
0
−100
−80
−60
−40
−20
0
20
40
60
80
100

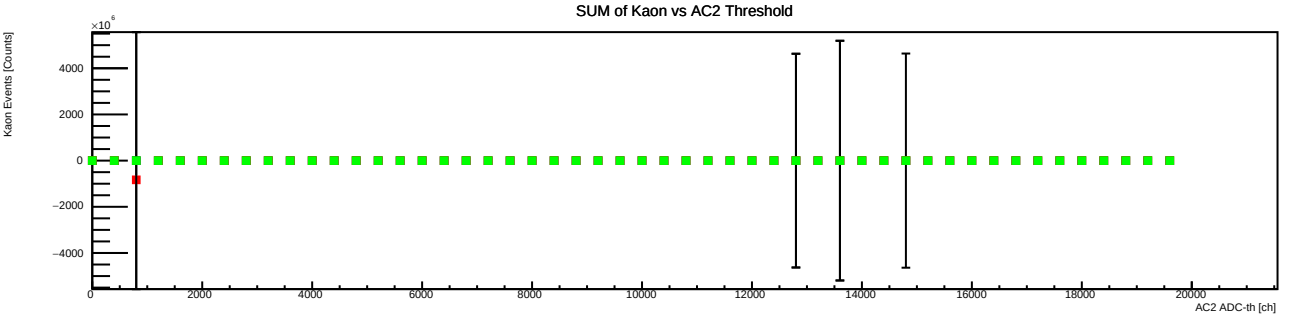

Kaoin Survival rate ((AC2<6000.000000))
Survival rate
10000
5000
0
−5000
−10000
0
1000
2000
3000
4000
5000
AC1 ADC-th [ch]

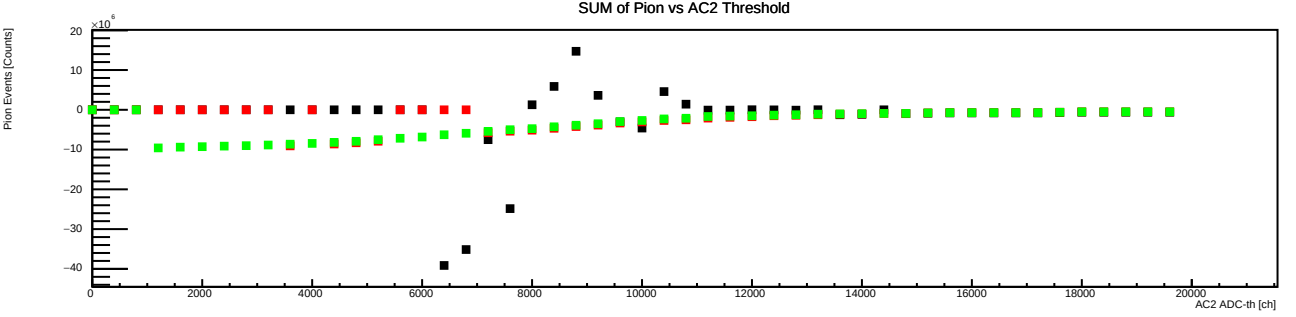

Kaoin Survival rate vs AC2 Threshold
Survival rate
×10^6
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
AC2 ADC-th [ch]

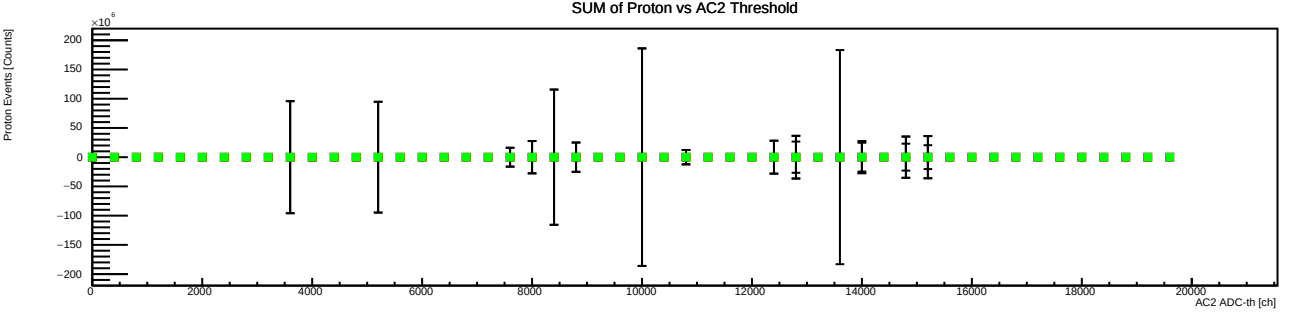

SUM of Kaon (AC2<20000.000000)
Kaon Events [Counts]
30
20
10
0
−10
−20
−30
0
1000
2000
3000
4000
5000
AC1 ADC-th [ch]

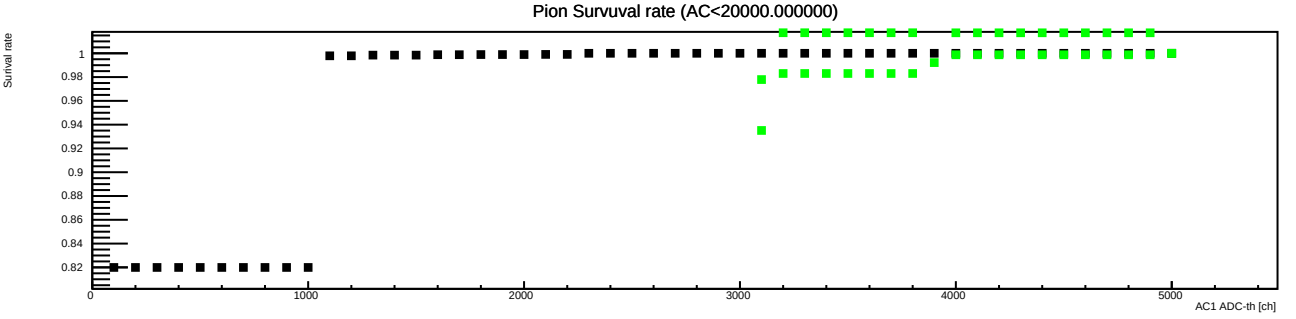

Sum of Pion (AC2<20000.000000)
Pion Events [Counts]
×10³
−500
−520
−540
−560
−580
−600
−620
0
1000
2000
3000
4000
5000
AC1 ADC-th [ch]

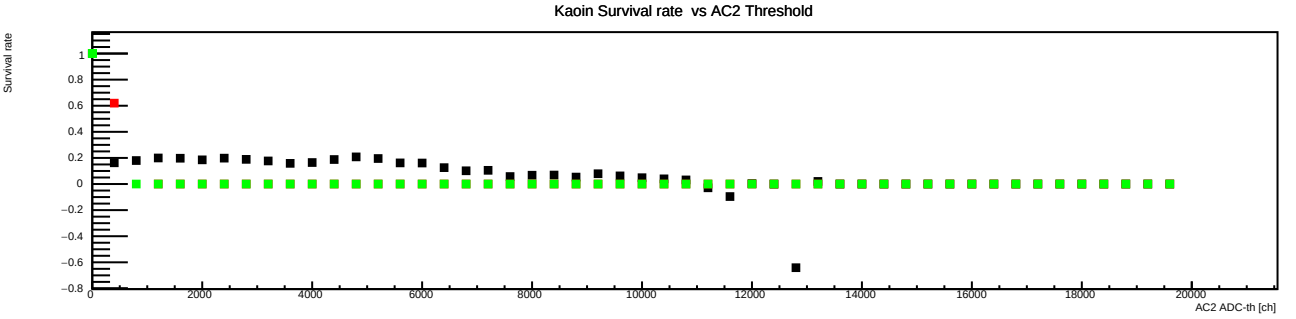

SUM of Proton (AC2<20000.000000)
Proton Events [Counts]
30
20
10
0
−10
−20
−30
0
1000
2000
3000
4000
5000
AC1 ADC-th [ch]

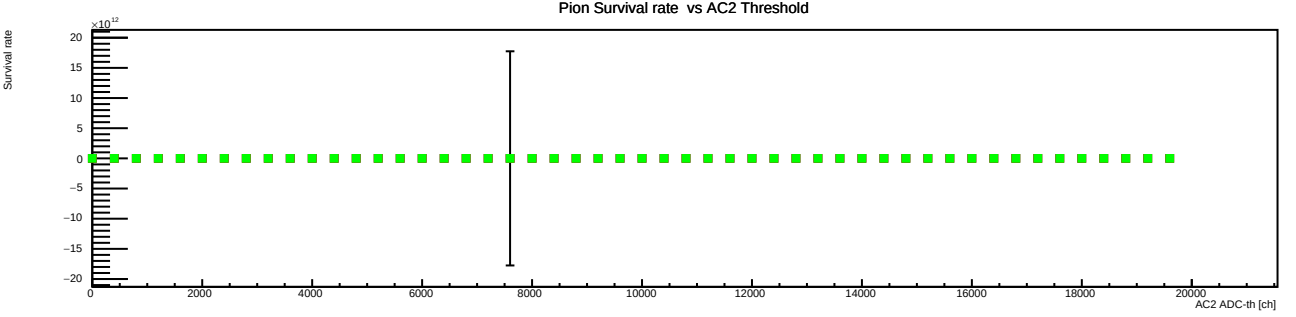

SUM of Kaon vs AC2 Threshold
Kaon Events [Counts]
×10^6
4000
2000
0
−2000
−4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
AC2 ADC-th [ch]

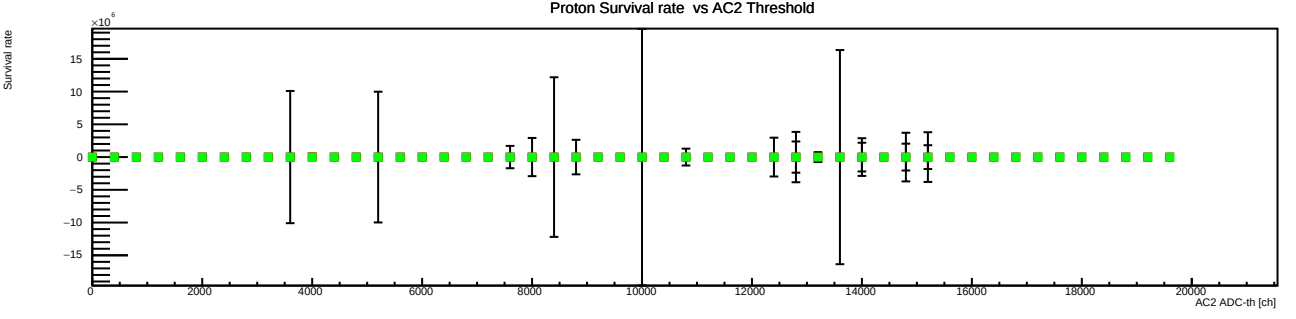

SUM of Pion vs AC2 Threshold
Pion Events [Counts]
×10^6
20
10
0
−10
−20
−30
−40
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
AC2 ADC-th [ch]


SUM of Proton vs AC2 Threshold
Proton Events [Counts]
×10^6
200
150
100
50
0
−50
−100
−150
−200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
AC2 ADC-th [ch]


Pion Survuval rate (AC<20000.000000)
Survival rate
1
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0
1000
2000
3000
4000
5000
AC1 ADC-th [ch]


Kaoin Survival rate vs AC2 Threshold
Survival rate
AC2 ADC-th [ch]


Pion Survival rate vs AC2 Threshold
Survival rate
AC2 ADC-th [ch]


Proton Survival rate vs AC2 Threshold
Survival rate
AC2 ADC-th [ch]