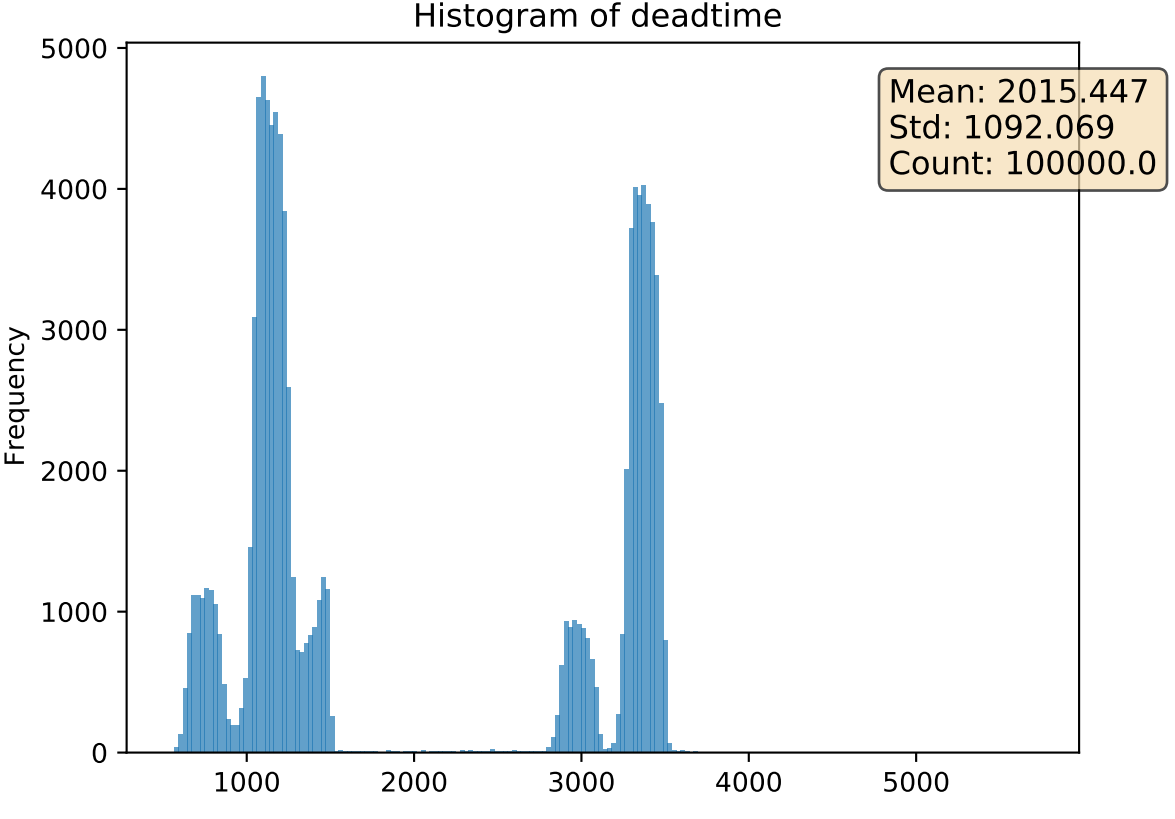
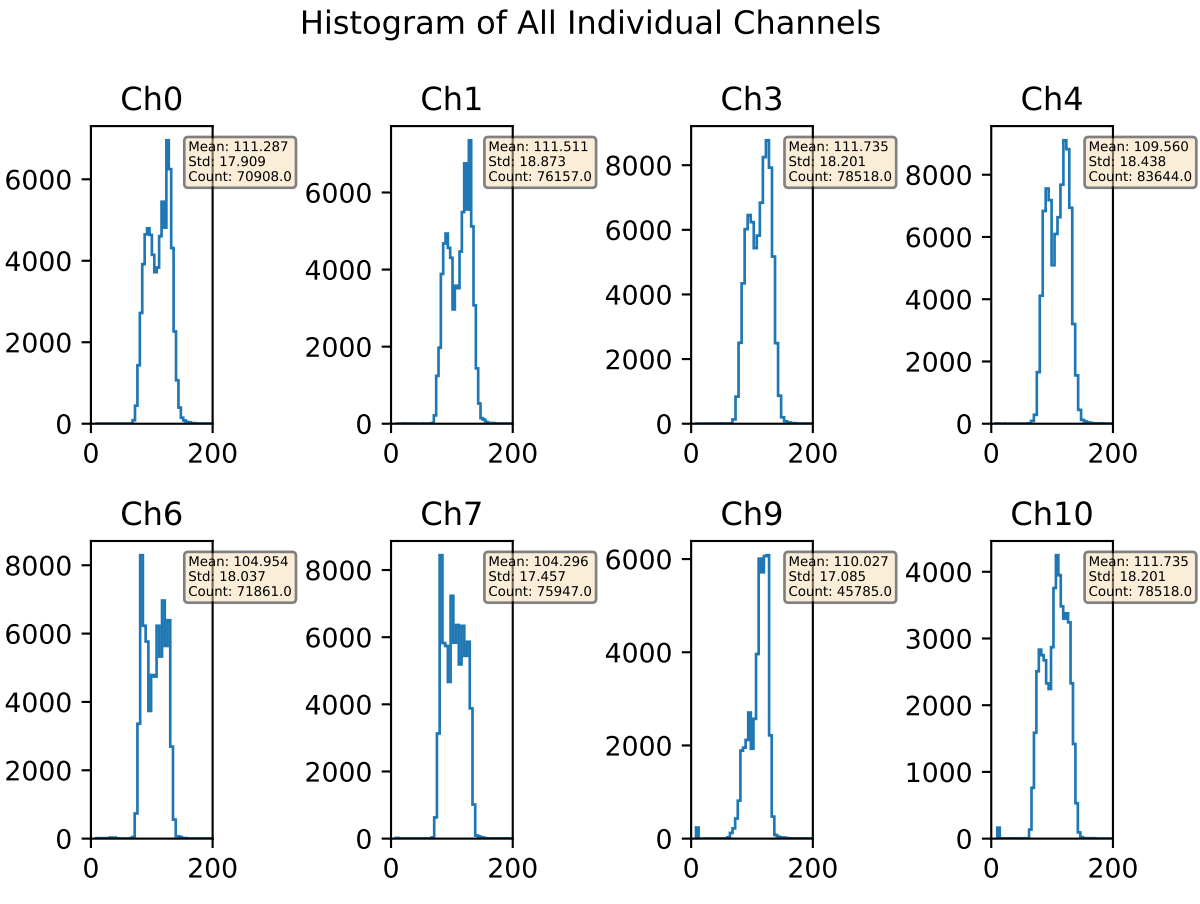
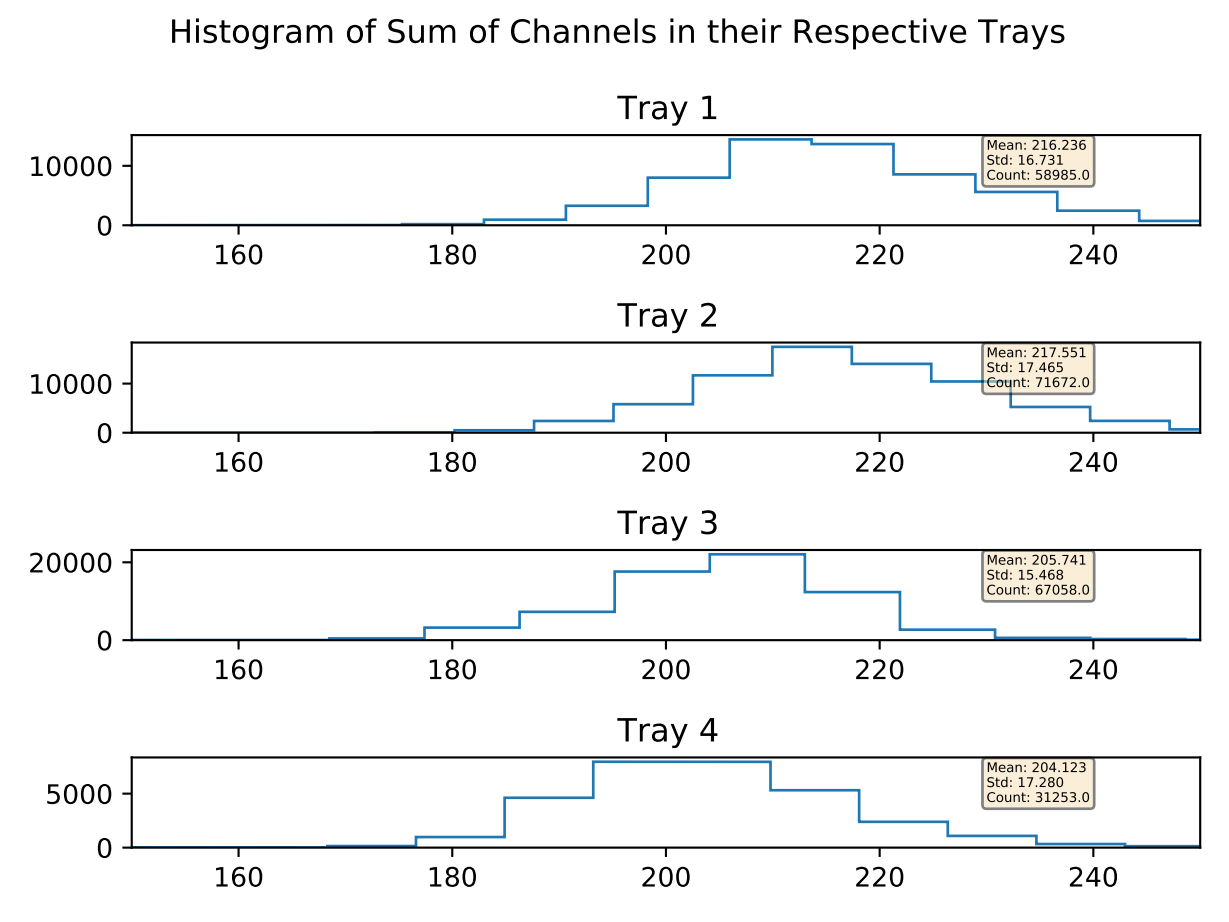
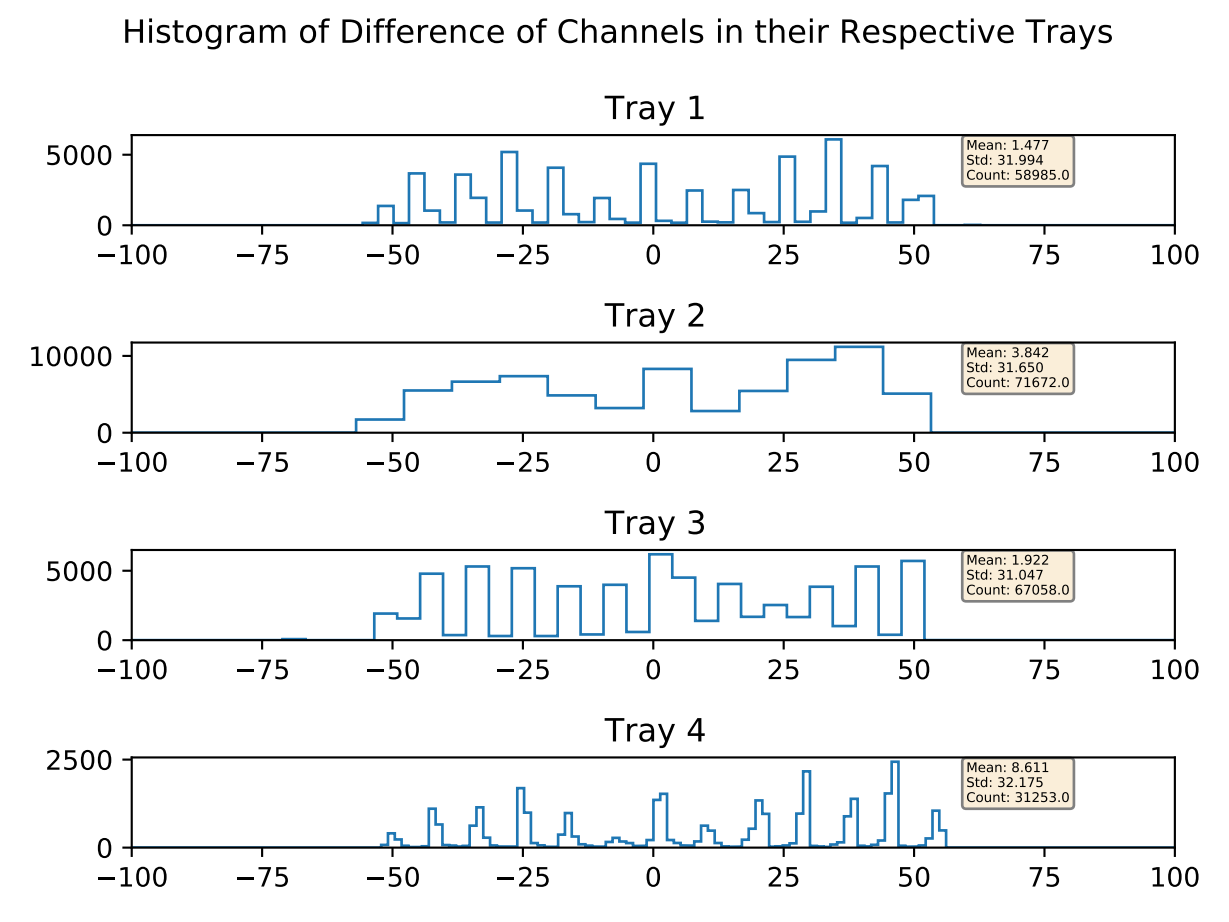
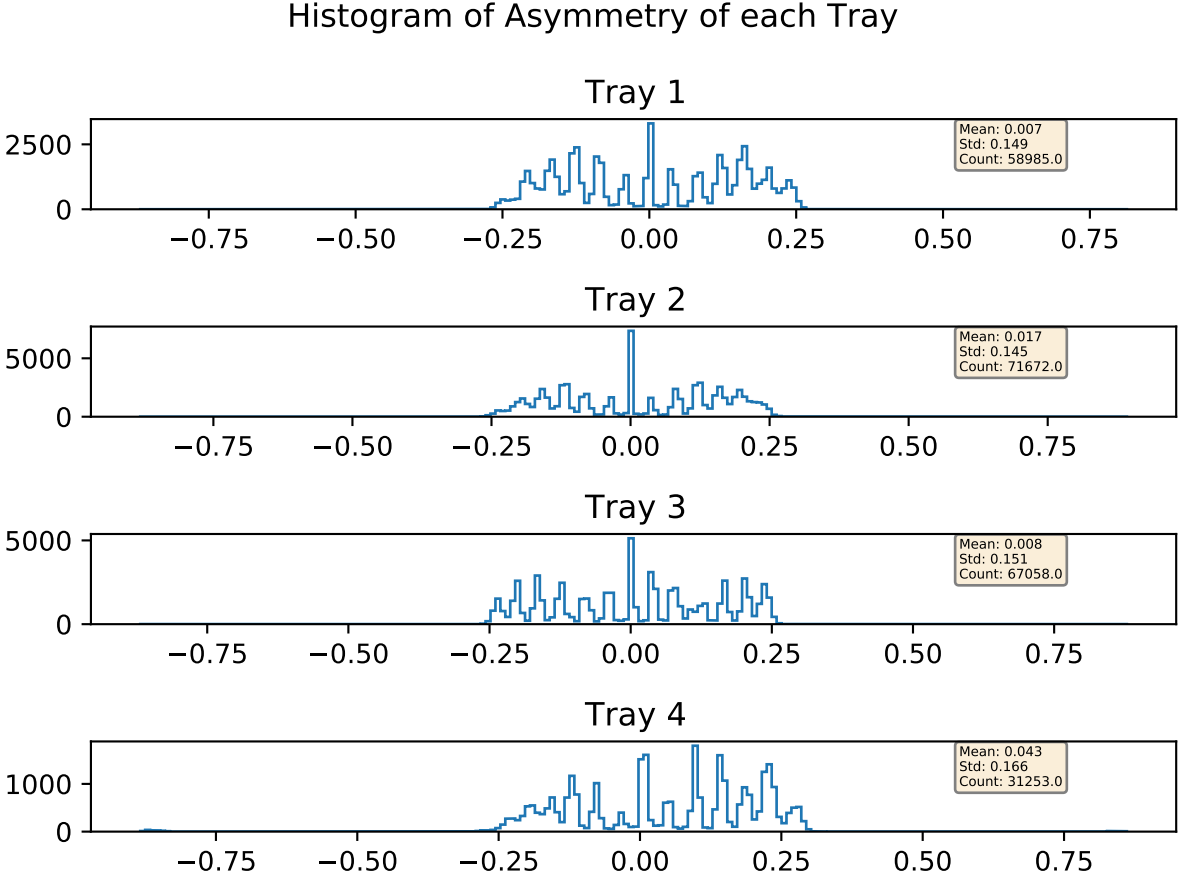
Analysis of Run: 8
Time Created: 2020-11-13 13:26:37.271240

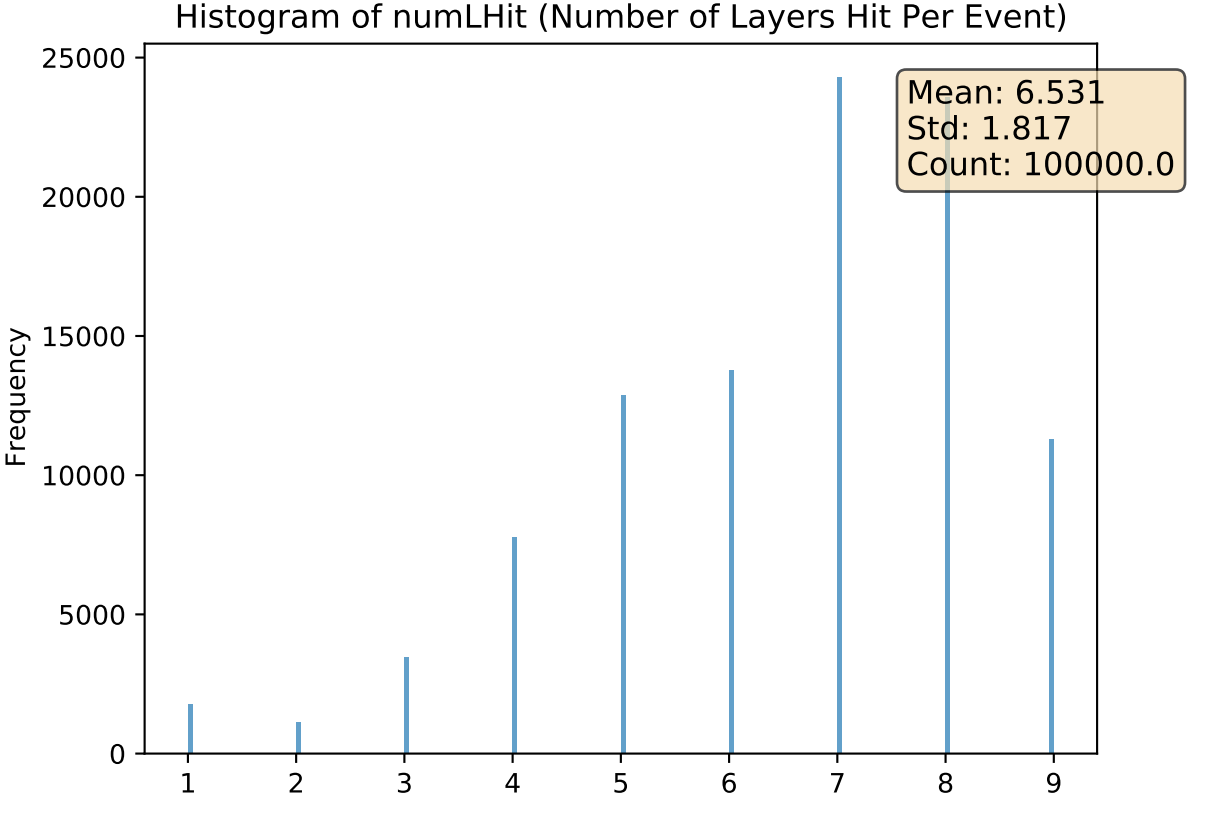

Histogram of deadtime
Mean: 2015.447
Std: 1092.069
Count: 100000.0
Frequency
5000
4000
3000
2000
1000
0
1000
2000
3000
4000
5000

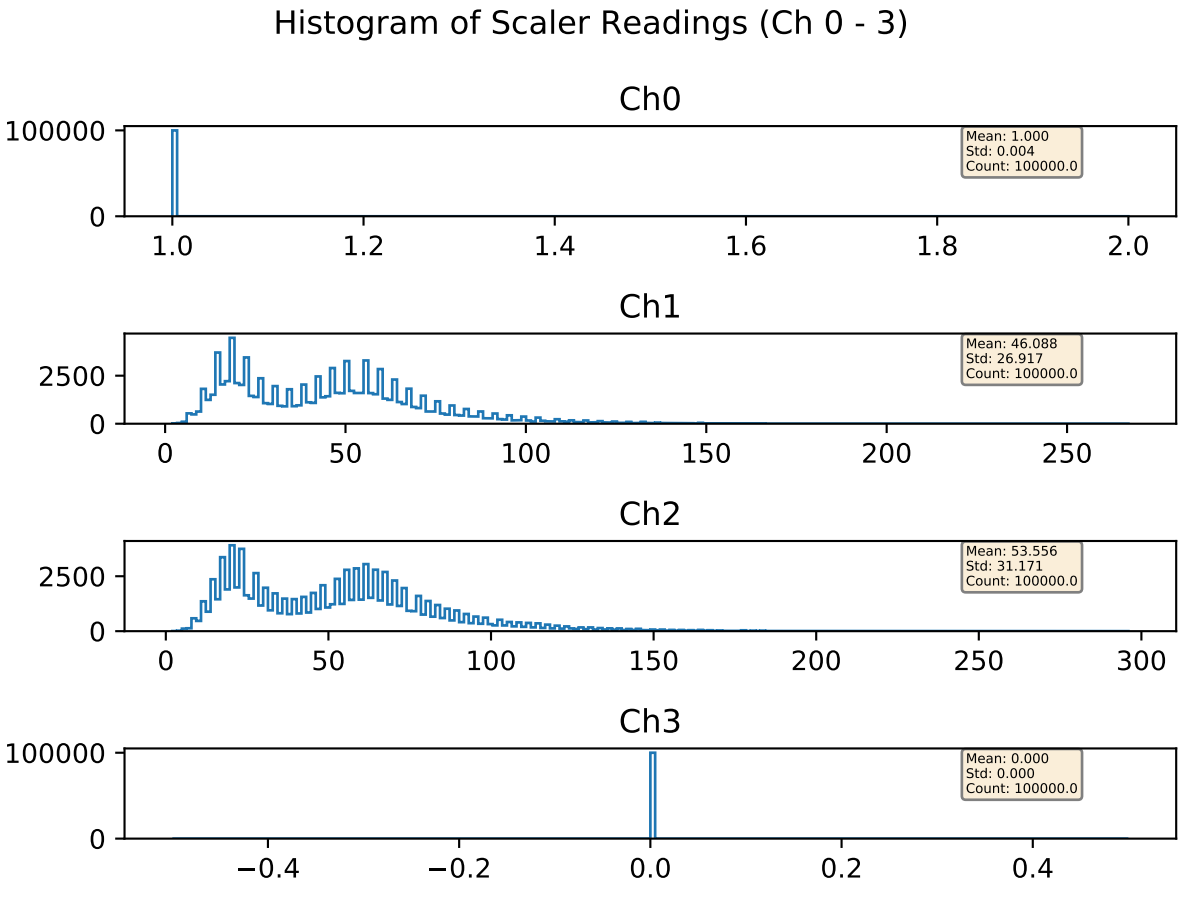

Histogram of All Individual Channels
Ch0
Mean: 111.287
Std: 17.909
Count: 70908.0
Ch1
Mean: 111.511
Std: 18.873
Count: 76157.0
Ch3
Mean: 111.735
Std: 18.201
Count: 78518.0
Ch4
Mean: 109.560
Std: 18.438
Count: 83644.0
Ch6
Mean: 104.954
Std: 18.037
Count: 71861.0
Ch7
Mean: 104.296
Std: 17.457
Count: 75947.0
Ch9
Mean: 110.027
Std: 17.085
Count: 45785.0
Ch10
Mean: 111.735
Std: 18.201
Count: 78518.0

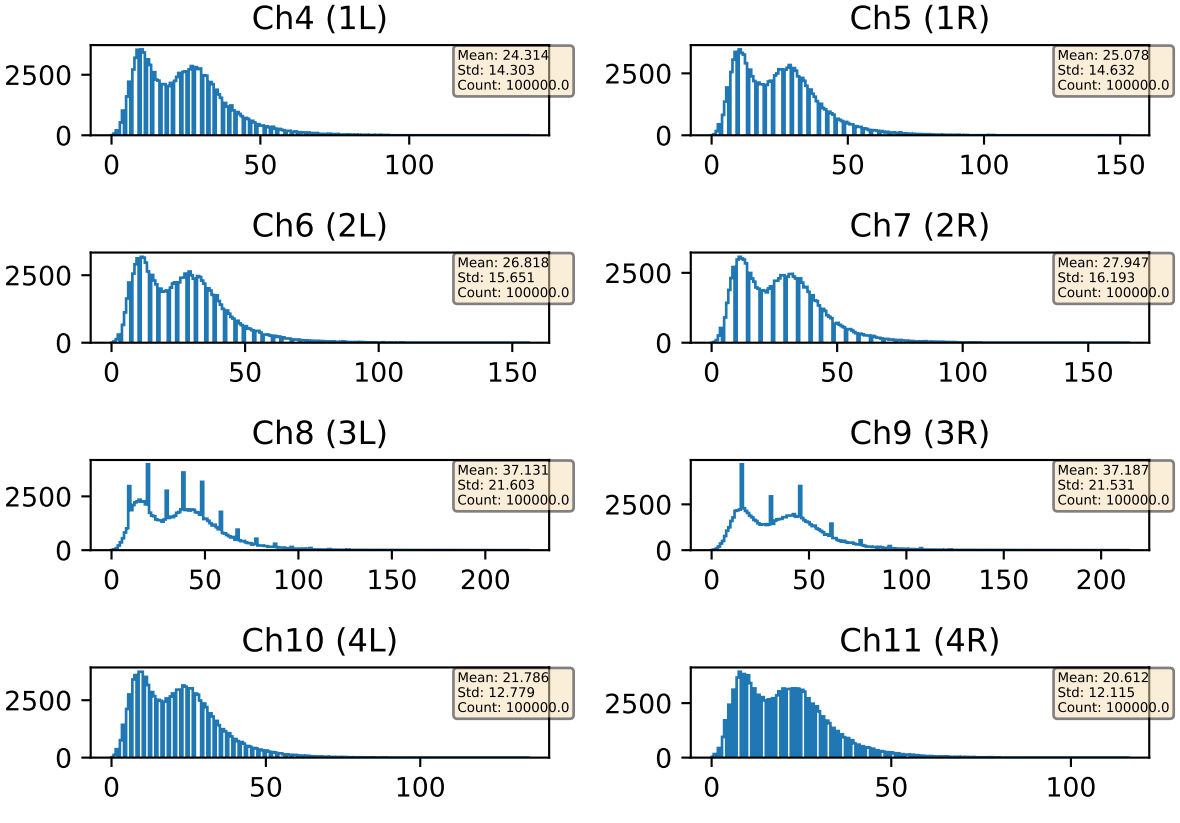

Histogram of Sum of Channels in their Respective Trays
Tray 1
Mean: 216.236
Std: 16.731
Count: 58985.0
10000
0
160
180
200
220
240
Tray 2
Mean: 217.551
Std: 17.465
Count: 71672.0
10000
0
160
180
200
220
240
Tray 3
Mean: 205.741
Std: 15.468
Count: 67058.0
20000
0
160
180
200
220
240
Tray 4
Mean: 204.123
Std: 17.280
Count: 31253.0
5000
0
160
180
200
220
240

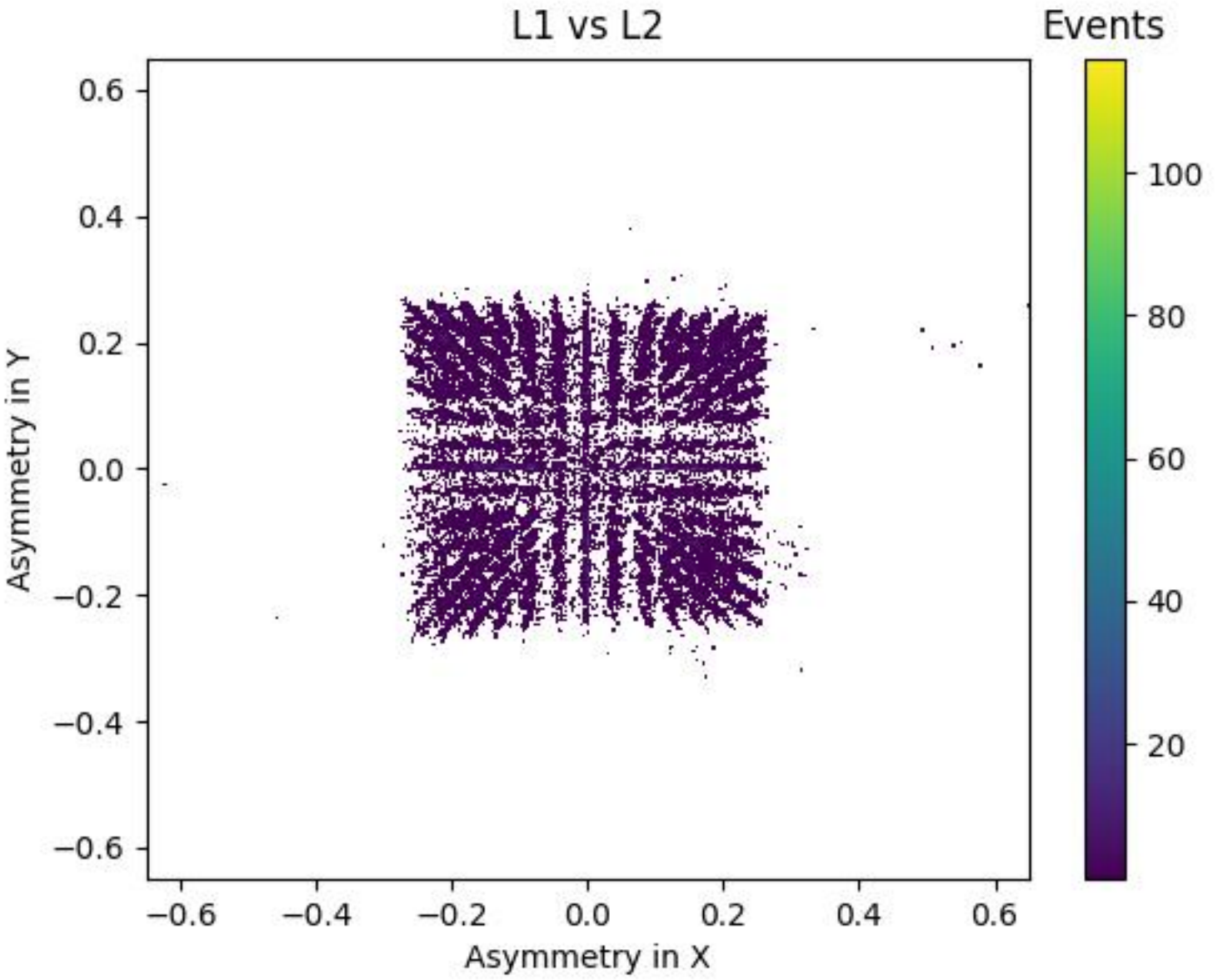

Histogram of Difference of Channels in their Respective Trays
Tray 1
Mean: 1.477
Std: 31.994
Count: 58985.0
Tray 2
Mean: 3.842
Std: 31.650
Count: 71672.0
Tray 3
Mean: 1.922
Std: 31.047
Count: 67058.0
Tray 4
Mean: 8.611
Std: 32.175
Count: 31253.0

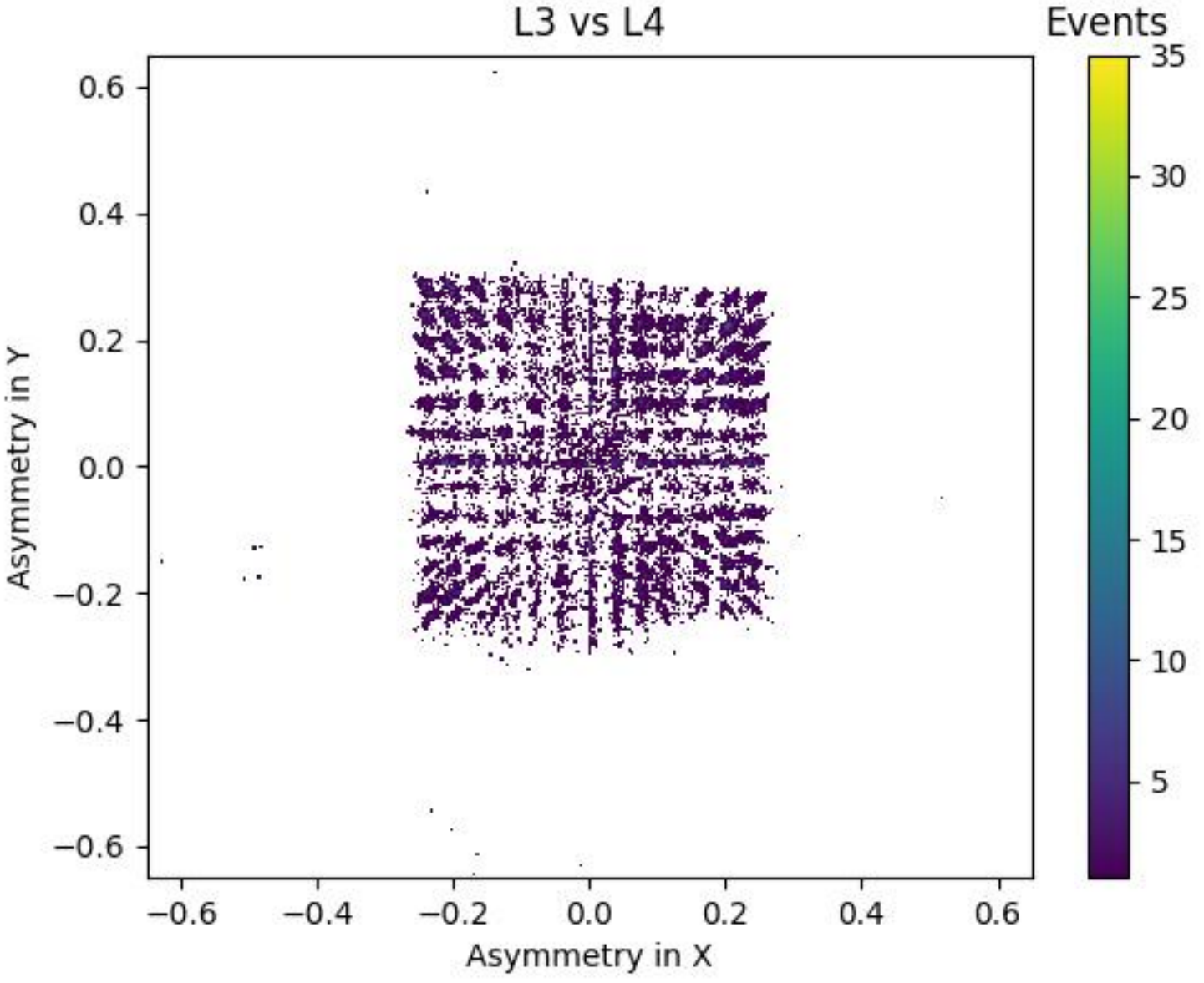

Histogram of Asymmetry of each Tray
Tray 1
Mean: 0.007
Std: 0.149
Count: 58985.0
2500
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
Tray 2
Mean: 0.017
Std: 0.145
Count: 71672.0
5000
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
Tray 3
Mean: 0.008
Std: 0.151
Count: 67058.0
5000
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
Tray 4
Mean: 0.043
Std: 0.166
Count: 31253.0
1000
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75

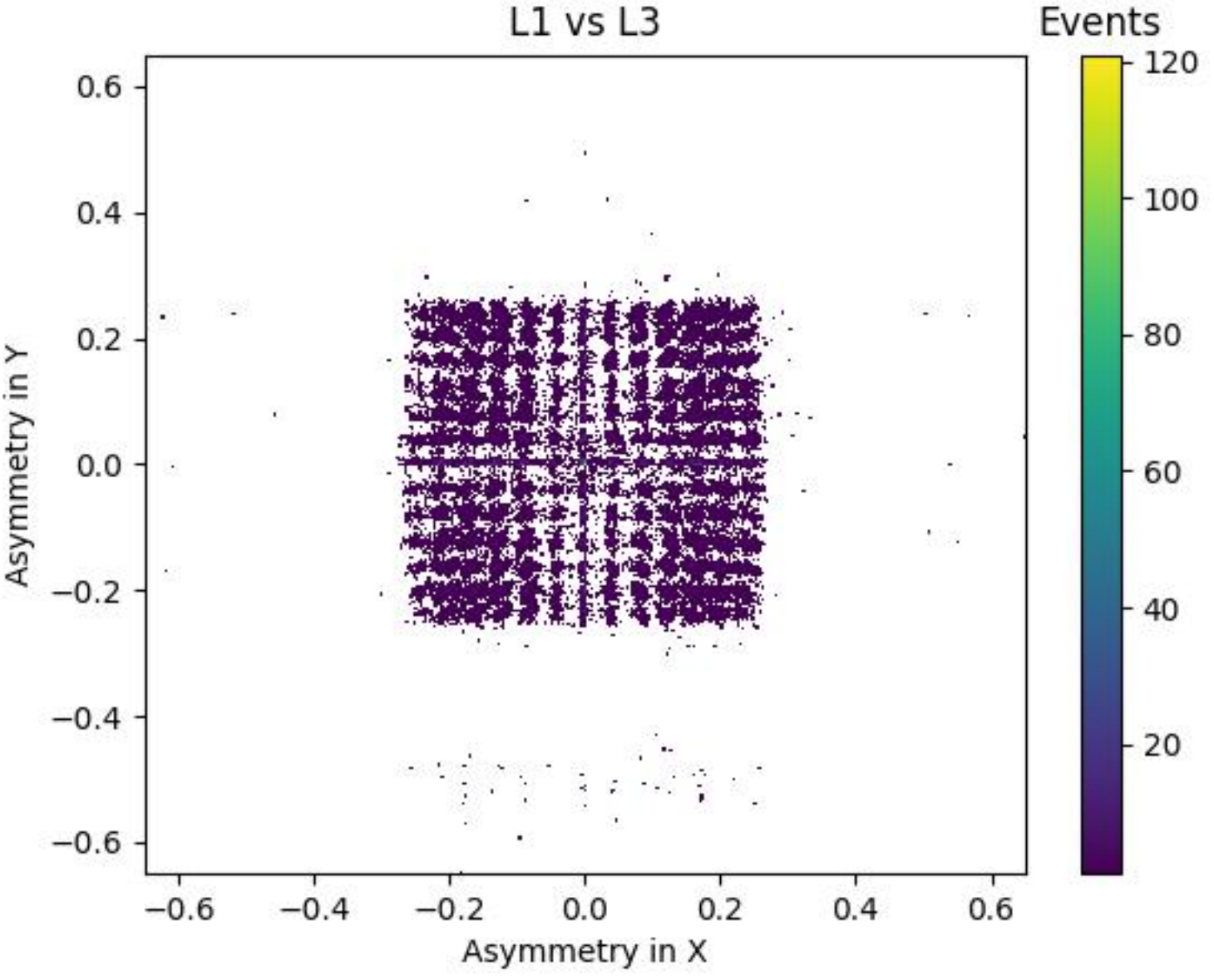

Histogram of numLHit (Number of Layers Hit Per Event)
Frequency
25000
20000
15000
10000
5000
0
1
2
3
4
5
6
7
8
9
Mean: 6.531
Std: 1.817
Count: 100000.0

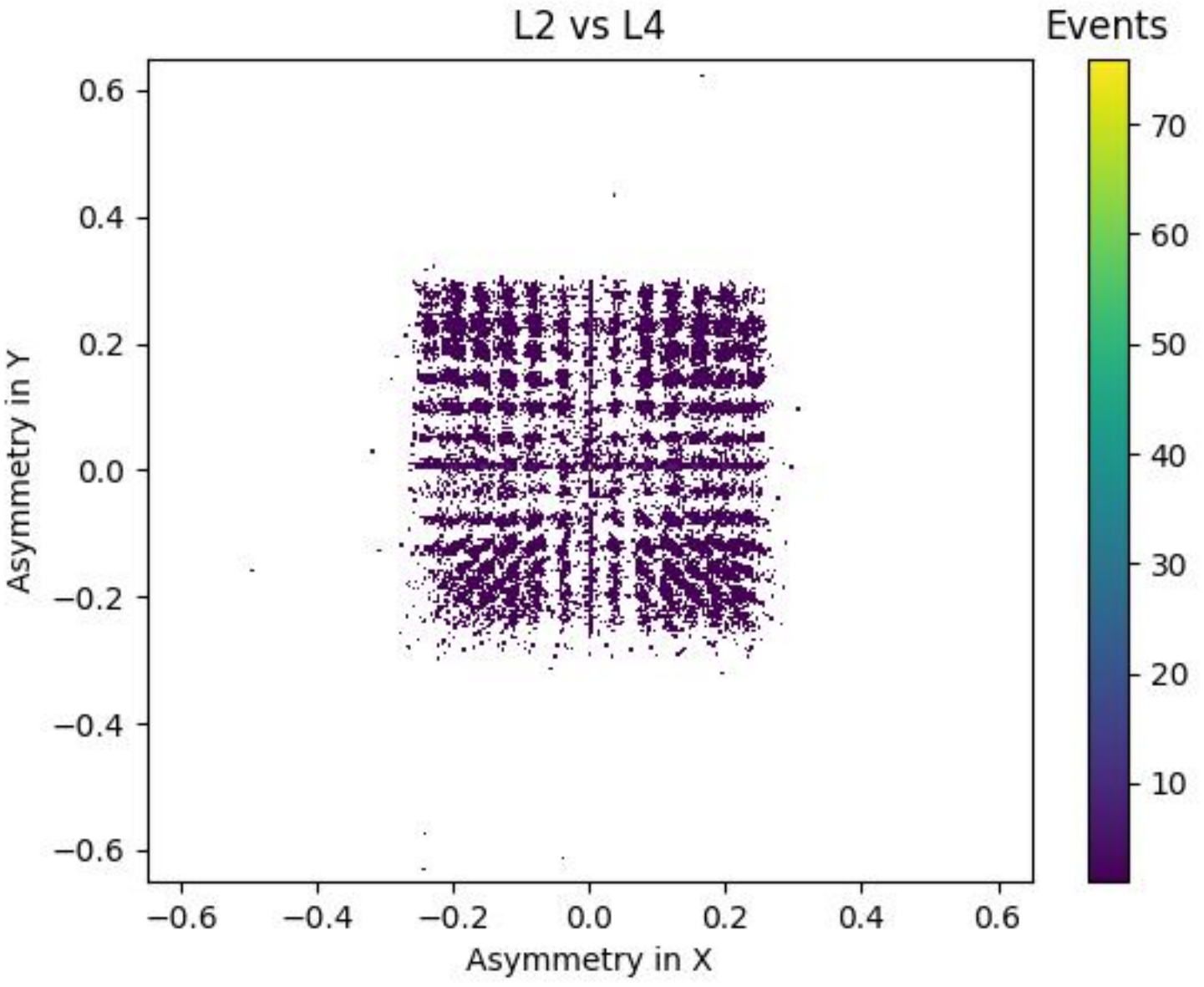

Histogram of Scaler Readings (Ch 0 - 3)
Ch0
Mean: 1.000
Std: 0.004
Count: 100000.0
100000
0
1.0
1.2
1.4
1.6
1.8
2.0
Ch1
Mean: 46.088
Std: 26.917
Count: 100000.0
2500
0
0
50
100
150
200
250
Ch2
Mean: 53.556
Std: 31.171
Count: 100000.0
2500
0
0
50
100
150
200
250
300
Ch3
Mean: 0.000
Std: 0.000
Count: 100000.0
100000
0
−0.4
−0.2
0.0
0.2
0.4

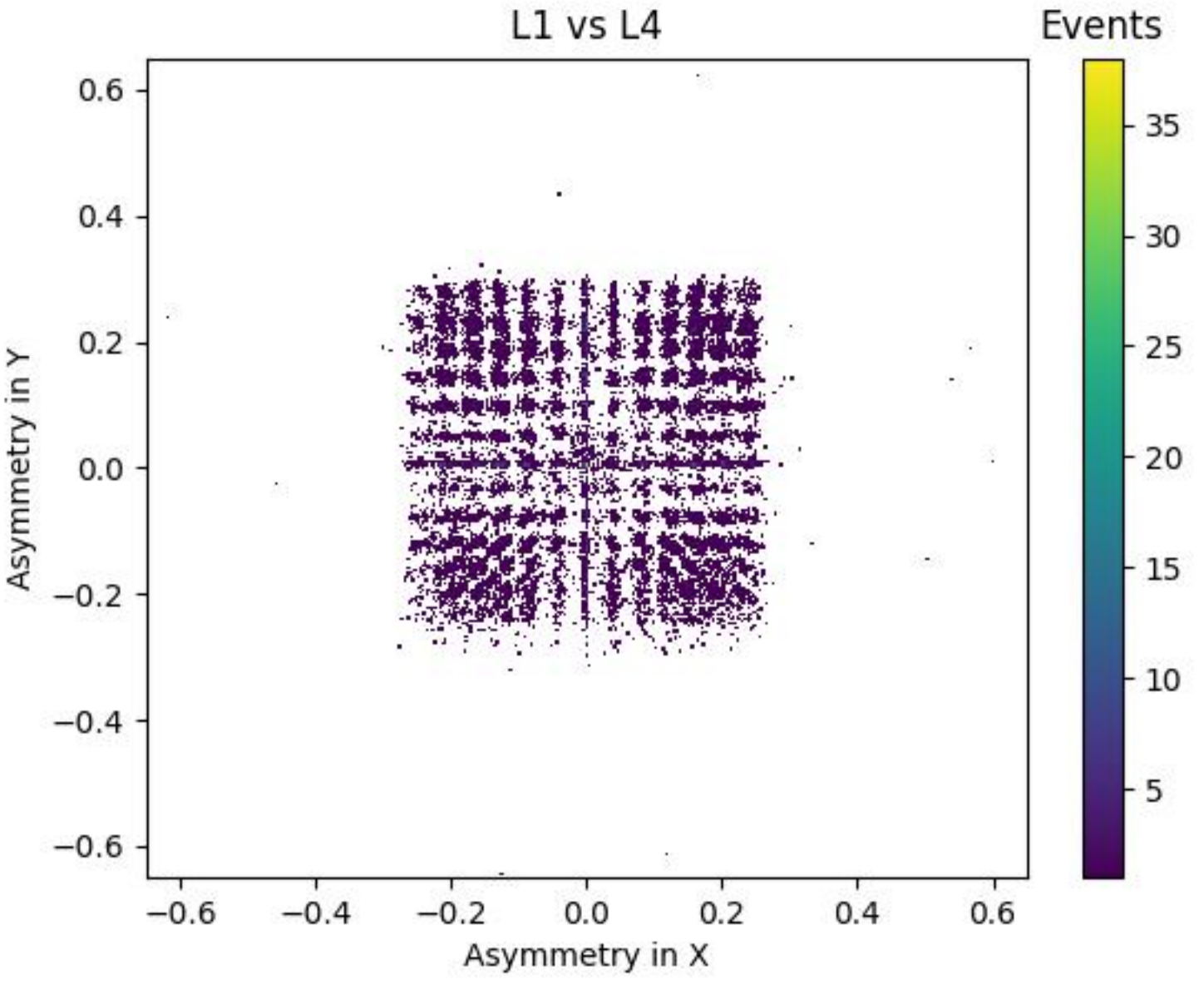

Histogram of Scaler Readings (Ch 4 - 11)
Ch4 (1L)
Mean: 24.314
Std: 14.303
Count: 100000.0
Ch5 (1R)
Mean: 25.078
Std: 14.632
Count: 100000.0
Ch6 (2L)
Mean: 26.818
Std: 15.651
Count: 100000.0
Ch7 (2R)
Mean: 27.947
Std: 16.193
Count: 100000.0
Ch8 (3L)
Mean: 37.131
Std: 21.603
Count: 100000.0
Ch9 (3R)
Mean: 37.187
Std: 21.531
Count: 100000.0
Ch10 (4L)
Mean: 21.786
Std: 12.779
Count: 100000.0
Ch11 (4R)
Mean: 20.612
Std: 12.115
Count: 100000.0

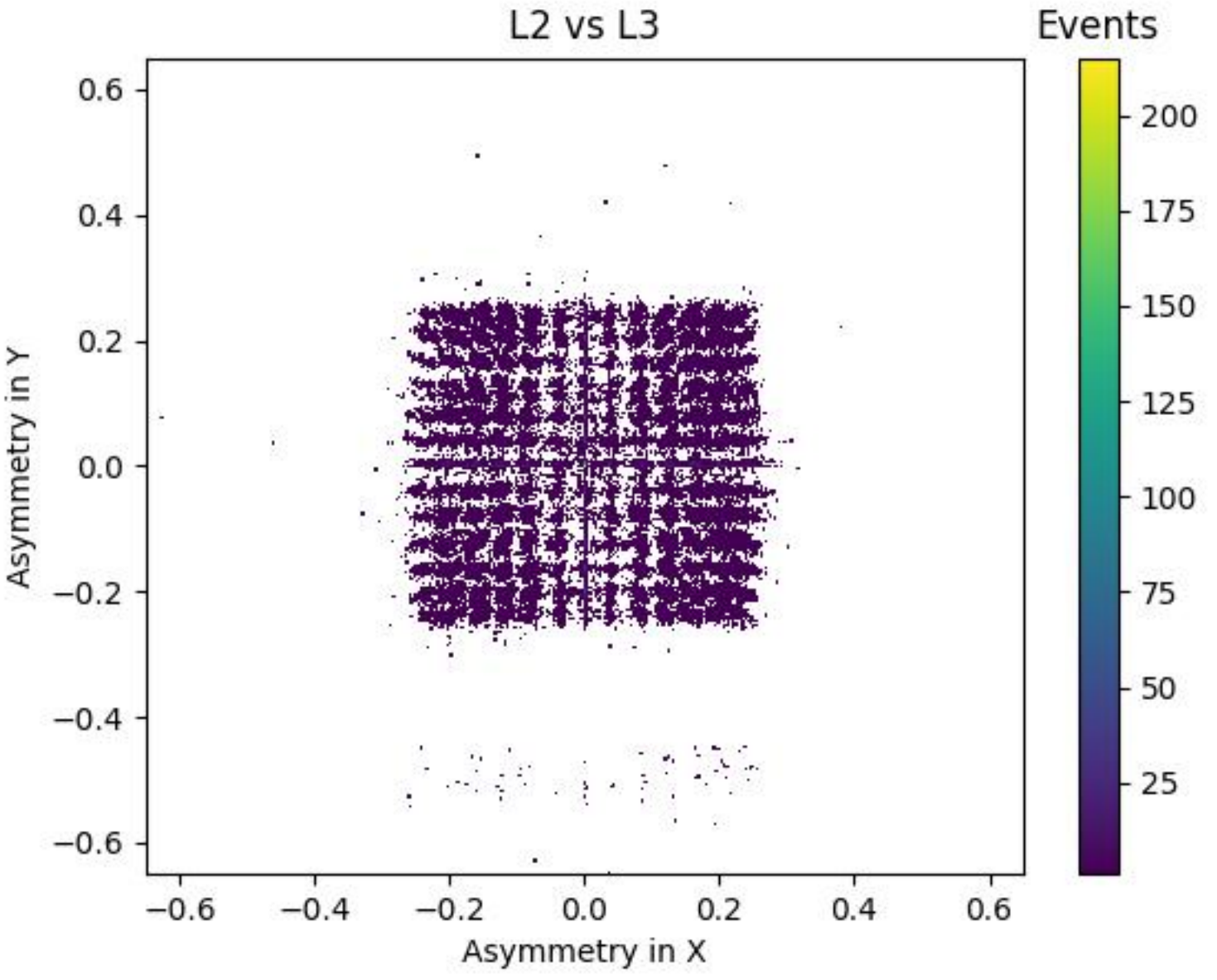

L1 vs L2
Events
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
100
80
60
40
20


L3 vs L4
Events
35
30
25
20
15
10
5
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
Asymmetry in Y
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
Asymmetry in X


L1 vs L3
Events
120
100
80
60
40
20
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
Asymmetry in Y
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
Asymmetry in X


L2 vs L4
Events
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
70
60
50
40
30
20
10


L1 vs L4
Events
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
35
30
25
20
15
10
5


L2 vs L3
Events
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
200
175
150
125
100
75
50
25