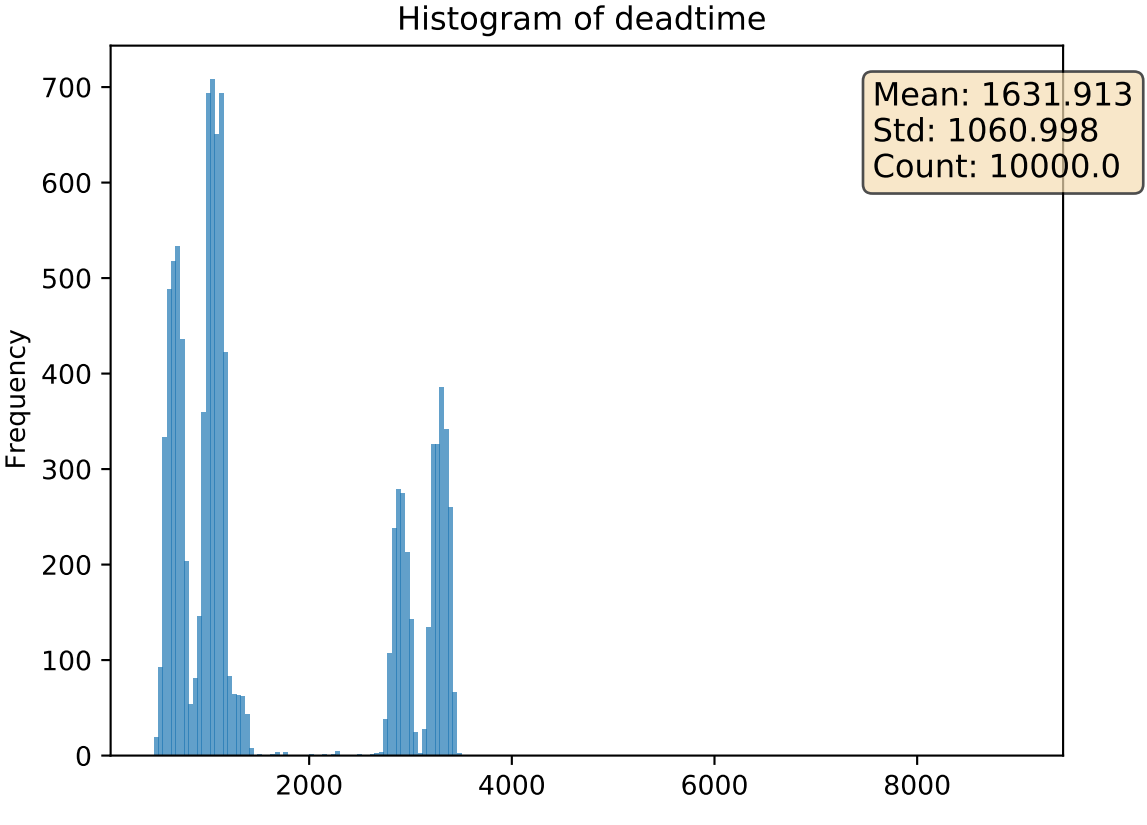
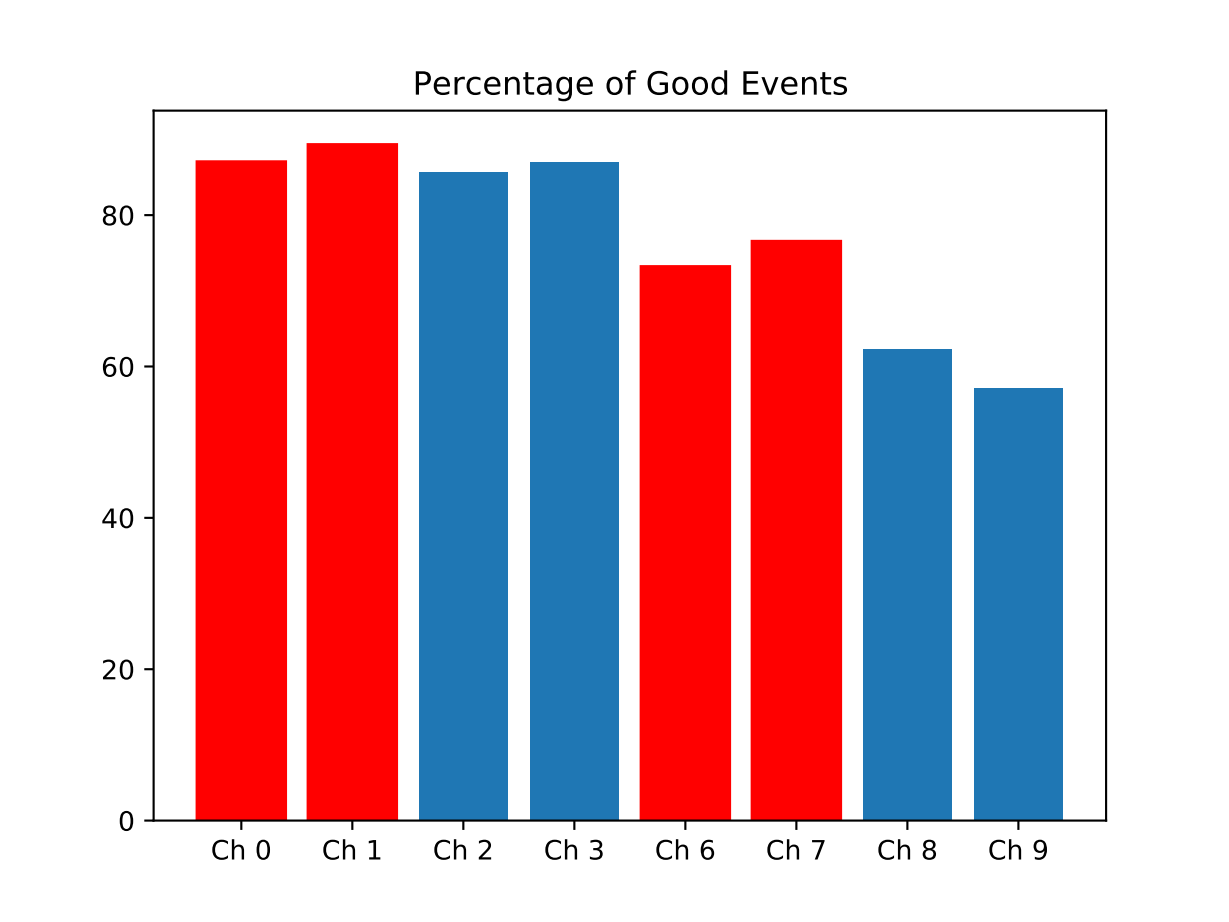
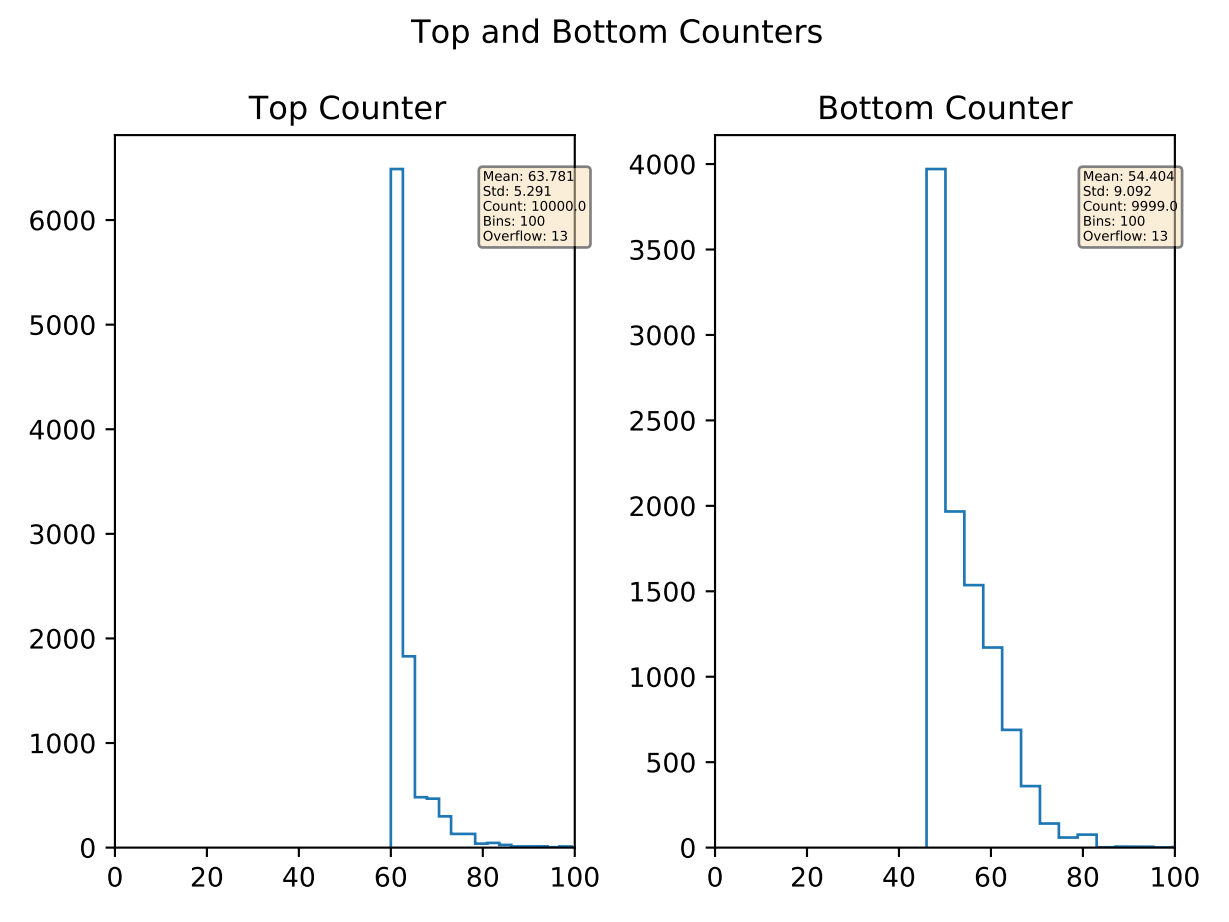
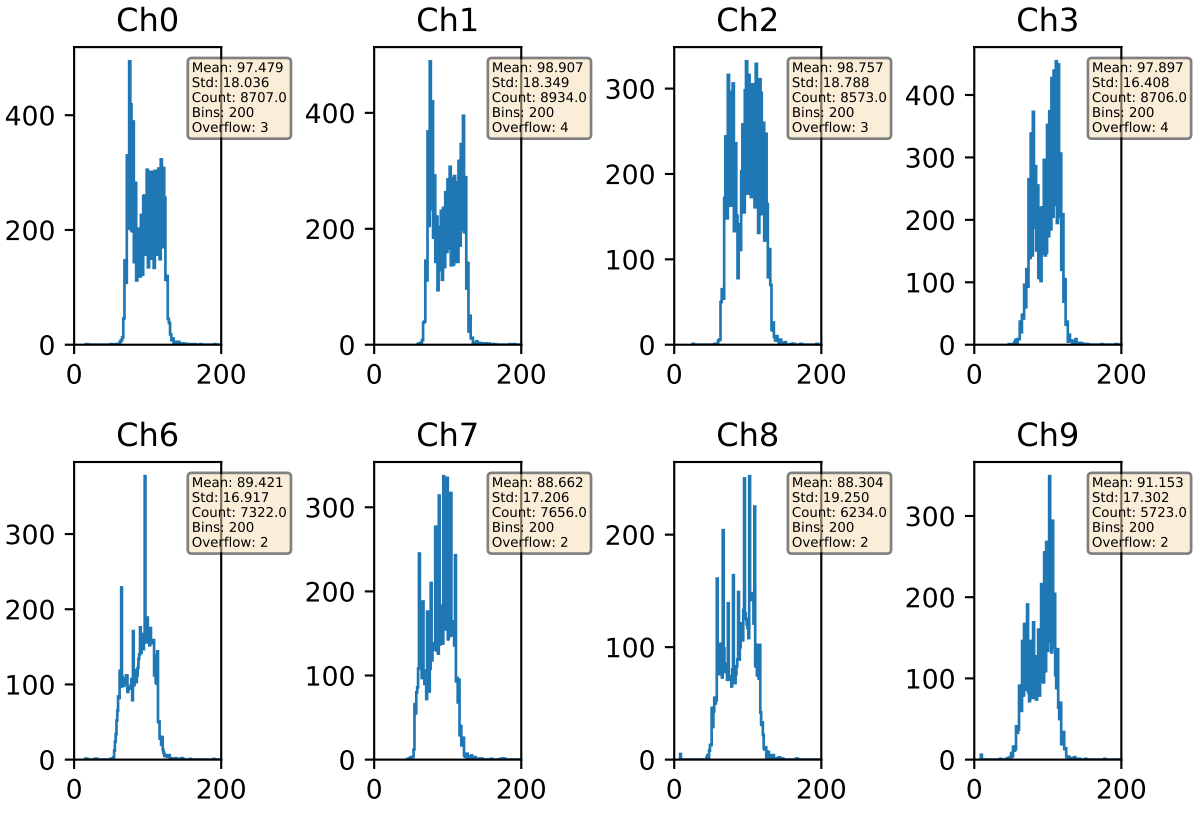
Analysis of Run: 45
Run Start: Dec 18 2020 15:29:44
Run End: Dec 18 2020 16:22:21

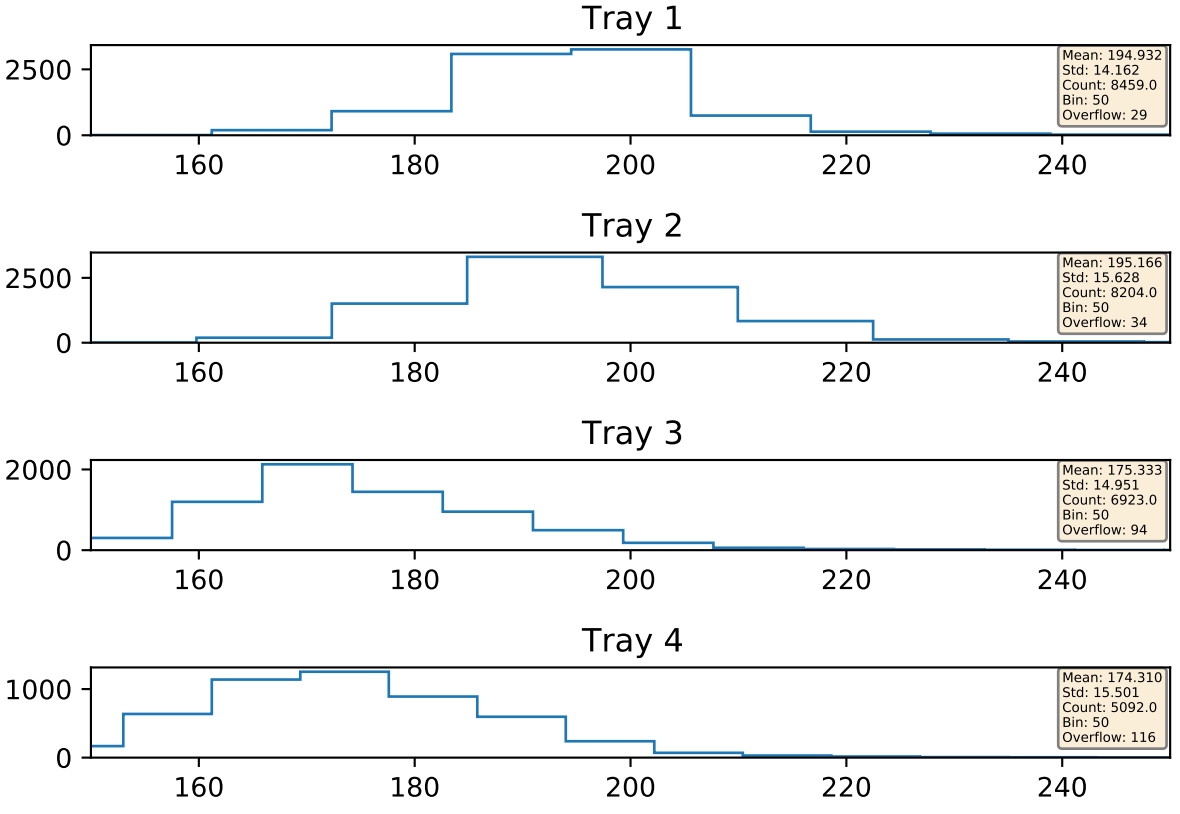
Report Generated at: Dec 18 2020 16:34:26

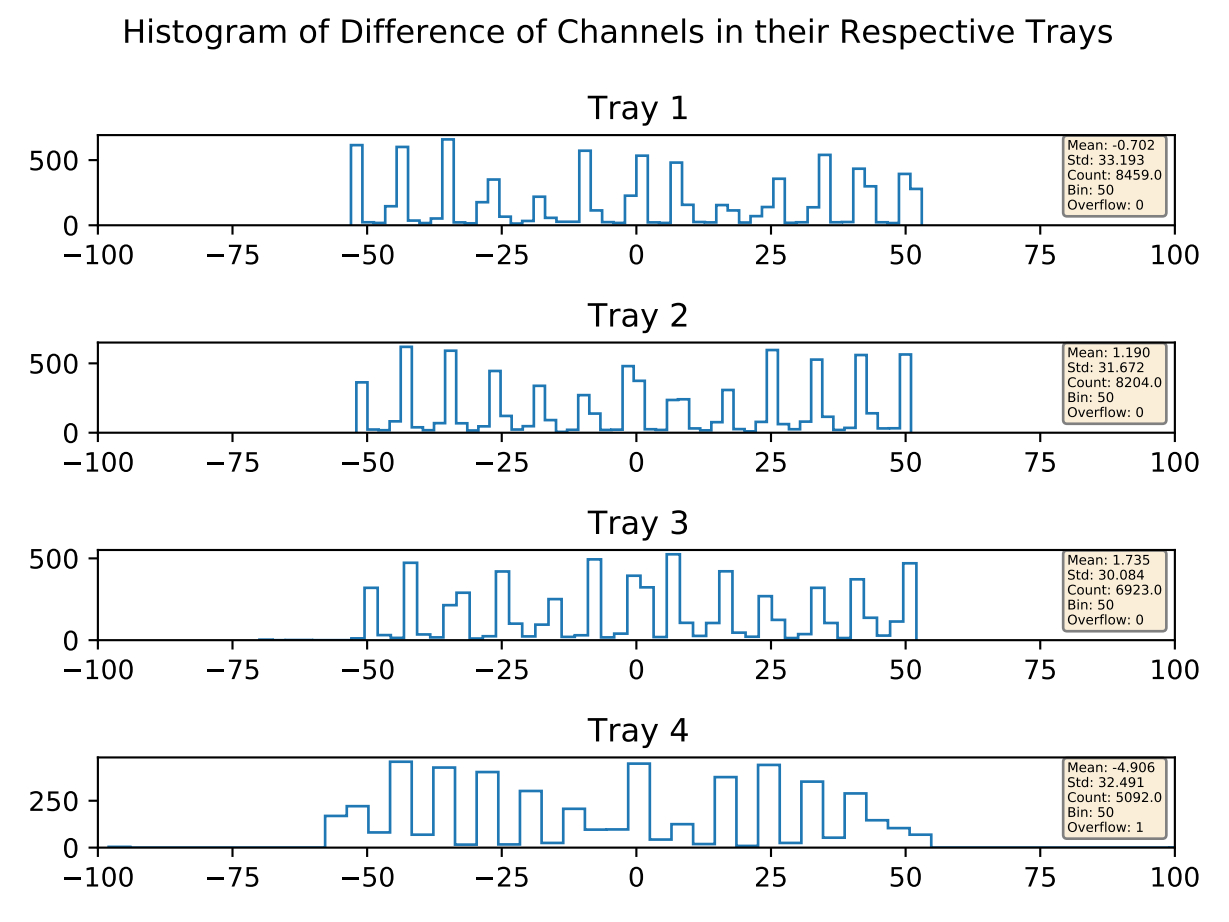

Histogram of deadtime
Mean: 1631.913
Std: 1060.998
Count: 10000.0
Frequency
0
100
200
300
400
500
600
700
2000
4000
6000
8000

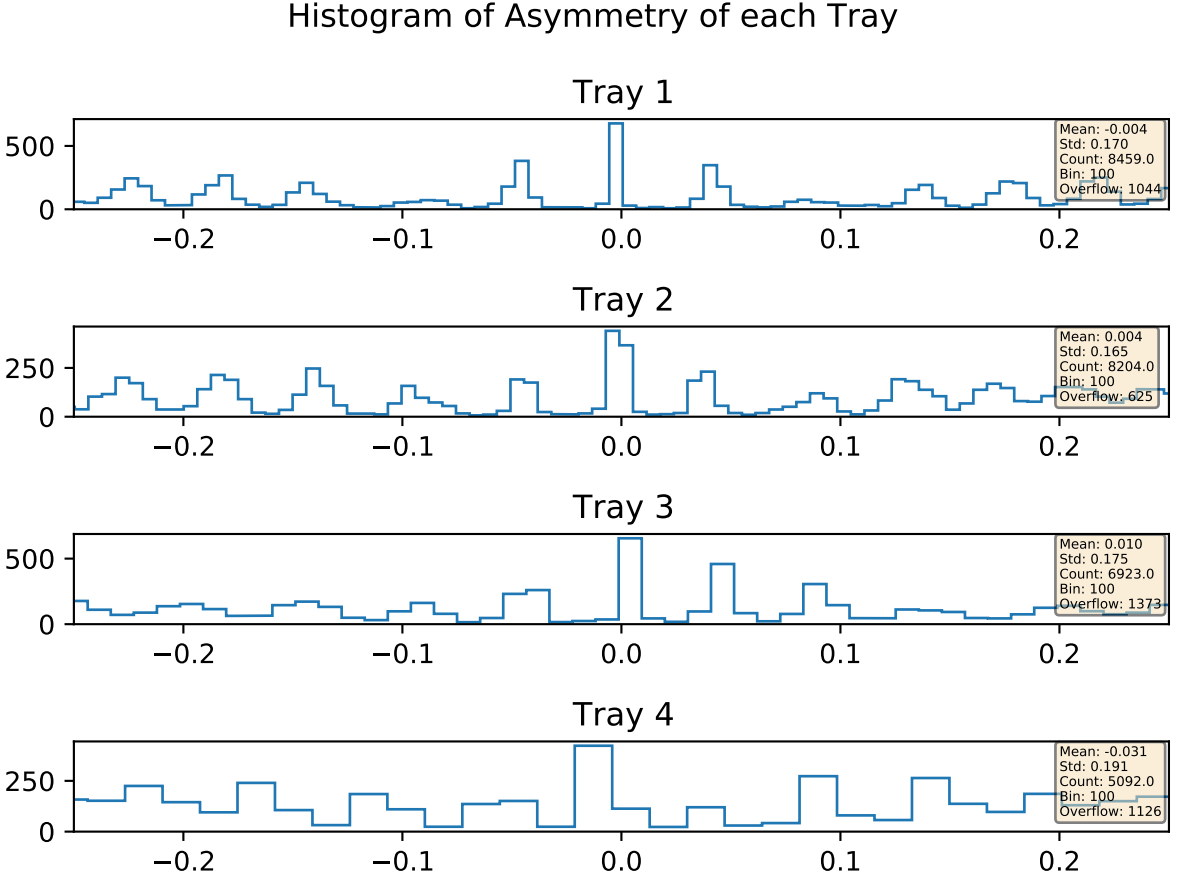

Percentage of Good Events
0
20
40
60
80
Ch 0
Ch 1
Ch 2
Ch 3
Ch 6
Ch 7
Ch 8
Ch 9

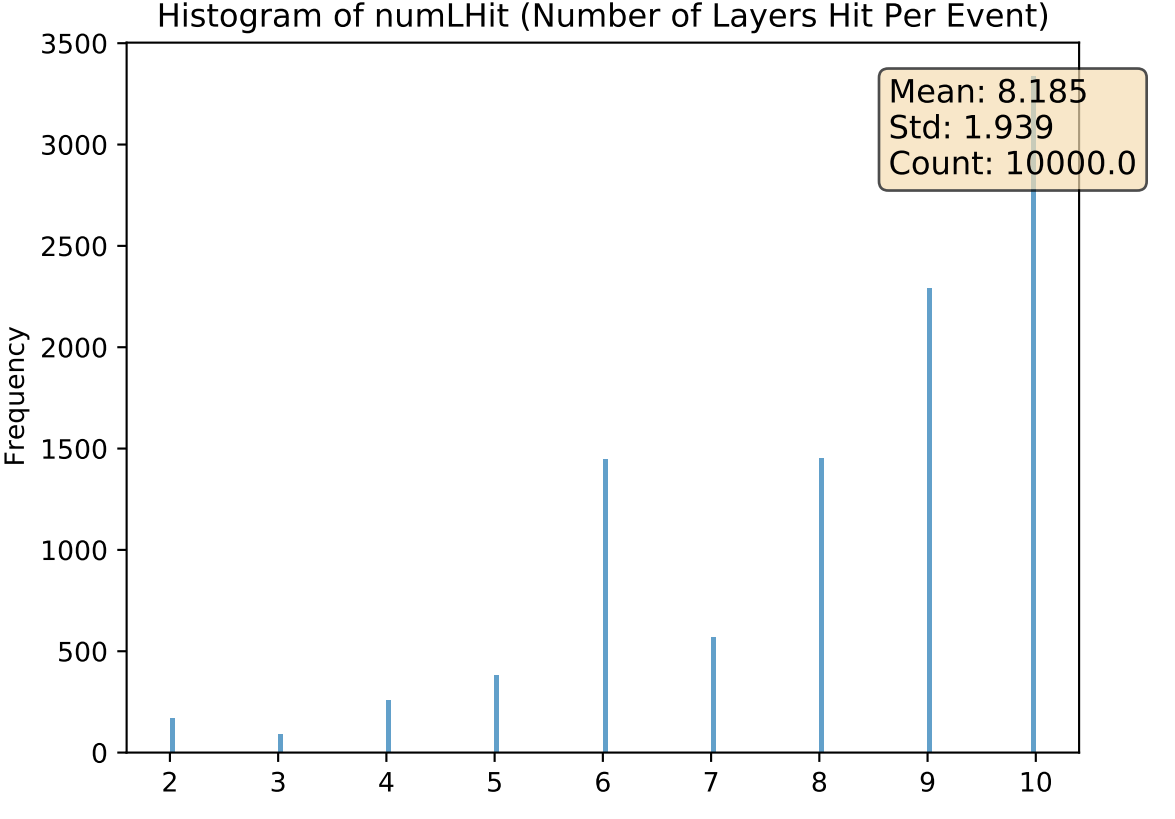

Top and Bottom Counters
Top Counter
Mean: 63.781
Std: 5.291
Count: 10000.0
Bins: 100
Overflow: 13
0
1000
2000
3000
4000
5000
6000
0
20
40
60
80
100
Bottom Counter
Mean: 54.404
Std: 9.092
Count: 9999.0
Bins: 100
Overflow: 13
0
500
1000
1500
2000
2500
3000
3500
4000
0
20
40
60
80
100

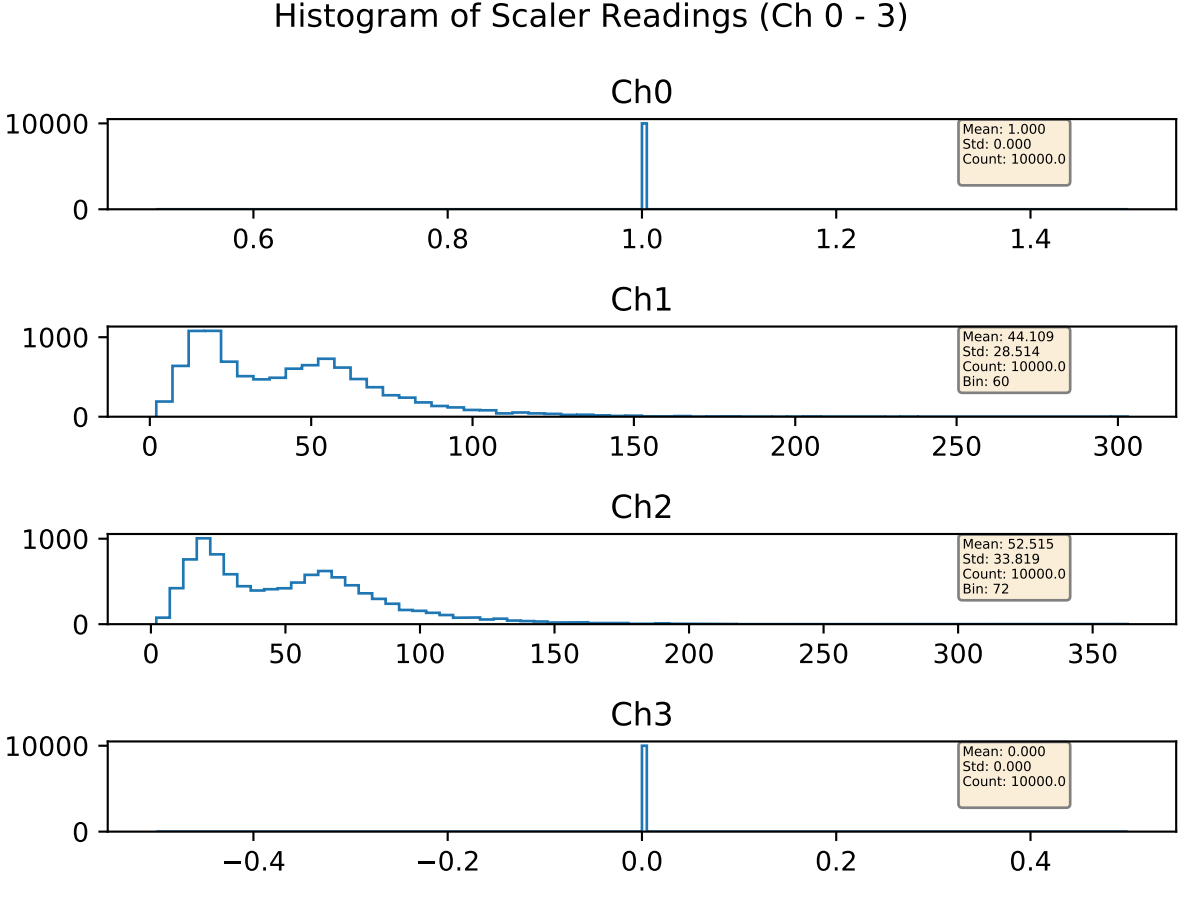

Histogram of All Individual Channels
Ch0
Mean: 97.479
Std: 18.036
Count: 8707.0
Bins: 200
Overflow: 3
Ch1
Mean: 98.907
Std: 18.349
Count: 8934.0
Bins: 200
Overflow: 4
Ch2
Mean: 98.757
Std: 18.788
Count: 8573.0
Bins: 200
Overflow: 3
Ch3
Mean: 97.897
Std: 16.408
Count: 8706.0
Bins: 200
Overflow: 4
Ch6
Mean: 89.421
Std: 16.917
Count: 7322.0
Bins: 200
Overflow: 2
Ch7
Mean: 88.662
Std: 17.206
Count: 7656.0
Bins: 200
Overflow: 2
Ch8
Mean: 88.304
Std: 19.250
Count: 6234.0
Bins: 200
Overflow: 2
Ch9
Mean: 91.153
Std: 17.302
Count: 5723.0
Bins: 200
Overflow: 2

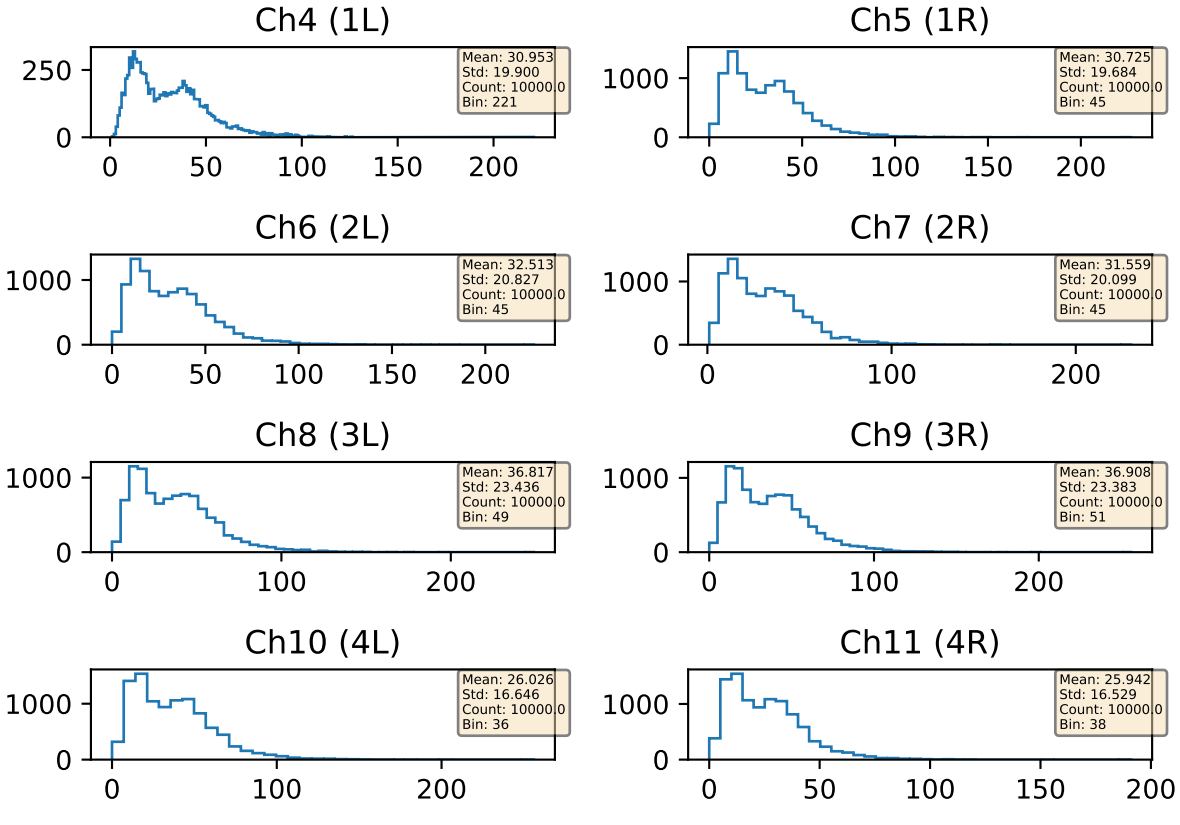

Histogram of Sum of Channels in their Respective Trays
Tray 1
Mean: 194.932
Std: 14.162
Count: 8459.0
Bin: 50
Overflow: 29
Tray 2
Mean: 195.166
Std: 15.628
Count: 8204.0
Bin: 50
Overflow: 34
Tray 3
Mean: 175.333
Std: 14.951
Count: 6923.0
Bin: 50
Overflow: 94
Tray 4
Mean: 174.310
Std: 15.501
Count: 5092.0
Bin: 50
Overflow: 116
2500
0
2000
1000
160
180
200
220
240

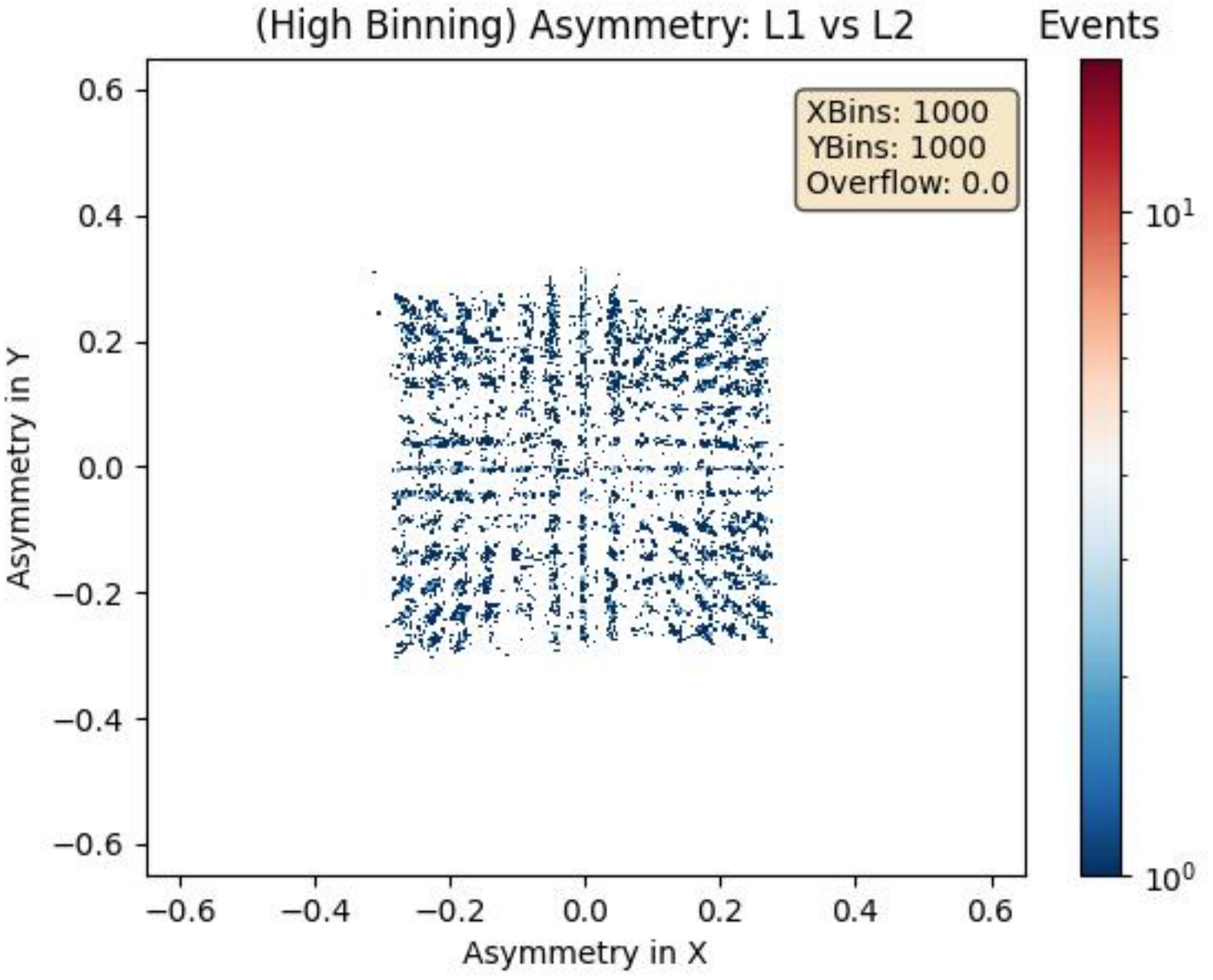

Histogram of Difference of Channels in their Respective Trays
Tray 1
Mean: -0.702
Std: 33.193
Count: 8459.0
Bin: 50
Overflow: 0
Tray 2
Mean: 1.190
Std: 31.672
Count: 8204.0
Bin: 50
Overflow: 0
Tray 3
Mean: 1.735
Std: 30.084
Count: 6923.0
Bin: 50
Overflow: 0
Tray 4
Mean: -4.906
Std: 32.491
Count: 5092.0
Bin: 50
Overflow: 1
500
250
0
−100
−75
−50
−25
0
25
50
75
100

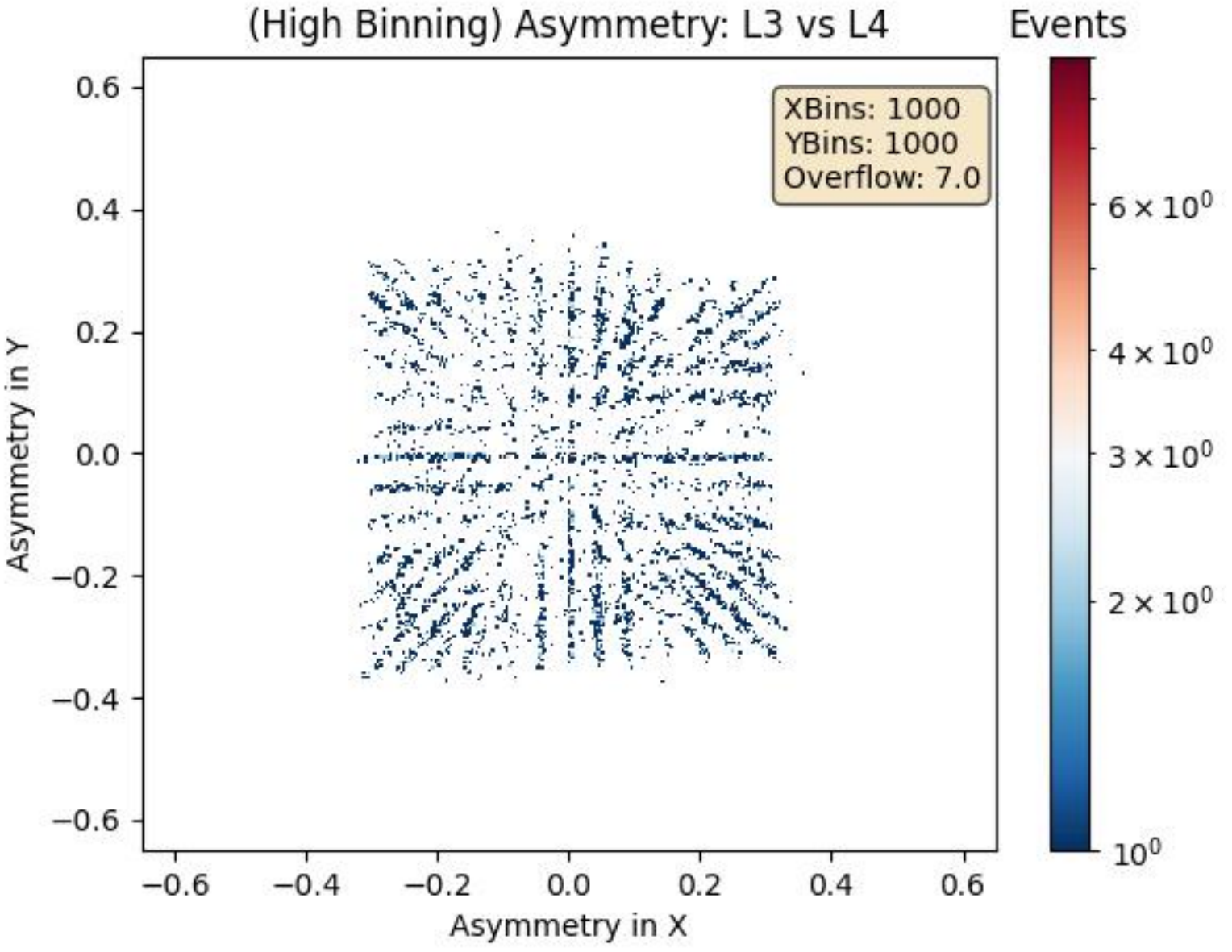

Histogram of Asymmetry of each Tray
Tray 1
Mean: -0.004
Std: 0.170
Count: 8459.0
Bin: 100
Overflow: 1044
500
0
−0.2
−0.1
0.0
0.1
0.2
Tray 2
Mean: 0.004
Std: 0.165
Count: 8204.0
Bin: 100
Overflow: 625
250
0
−0.2
−0.1
0.0
0.1
0.2
Tray 3
Mean: 0.010
Std: 0.175
Count: 6923.0
Bin: 100
Overflow: 1373
500
0
−0.2
−0.1
0.0
0.1
0.2
Tray 4
Mean: -0.031
Std: 0.191
Count: 5092.0
Bin: 100
Overflow: 1126
250
0
−0.2
−0.1
0.0
0.1
0.2

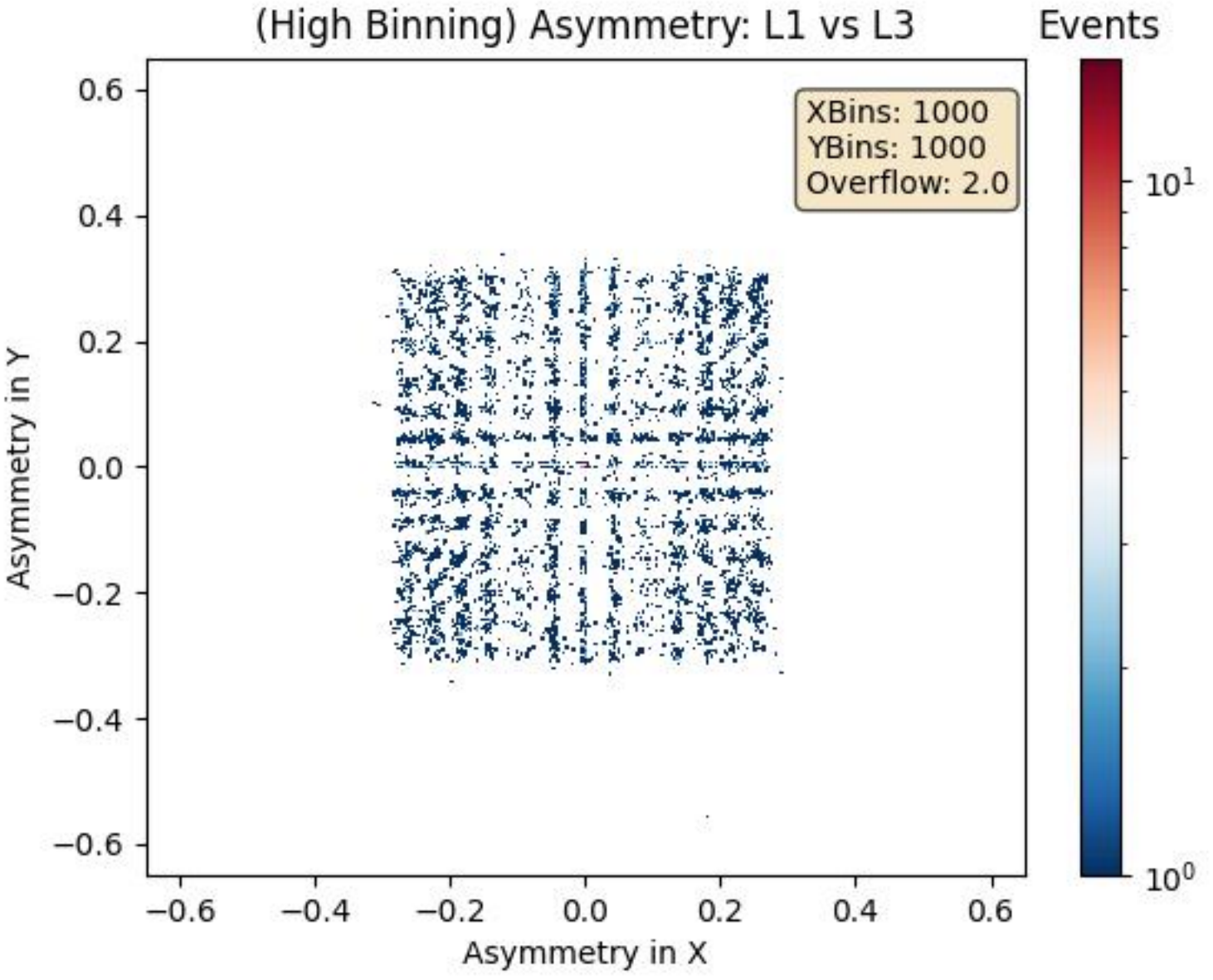

Histogram of numLHit (Number of Layers Hit Per Event)
Mean: 8.185
Std: 1.939
Count: 10000.0
Frequency
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
9
10

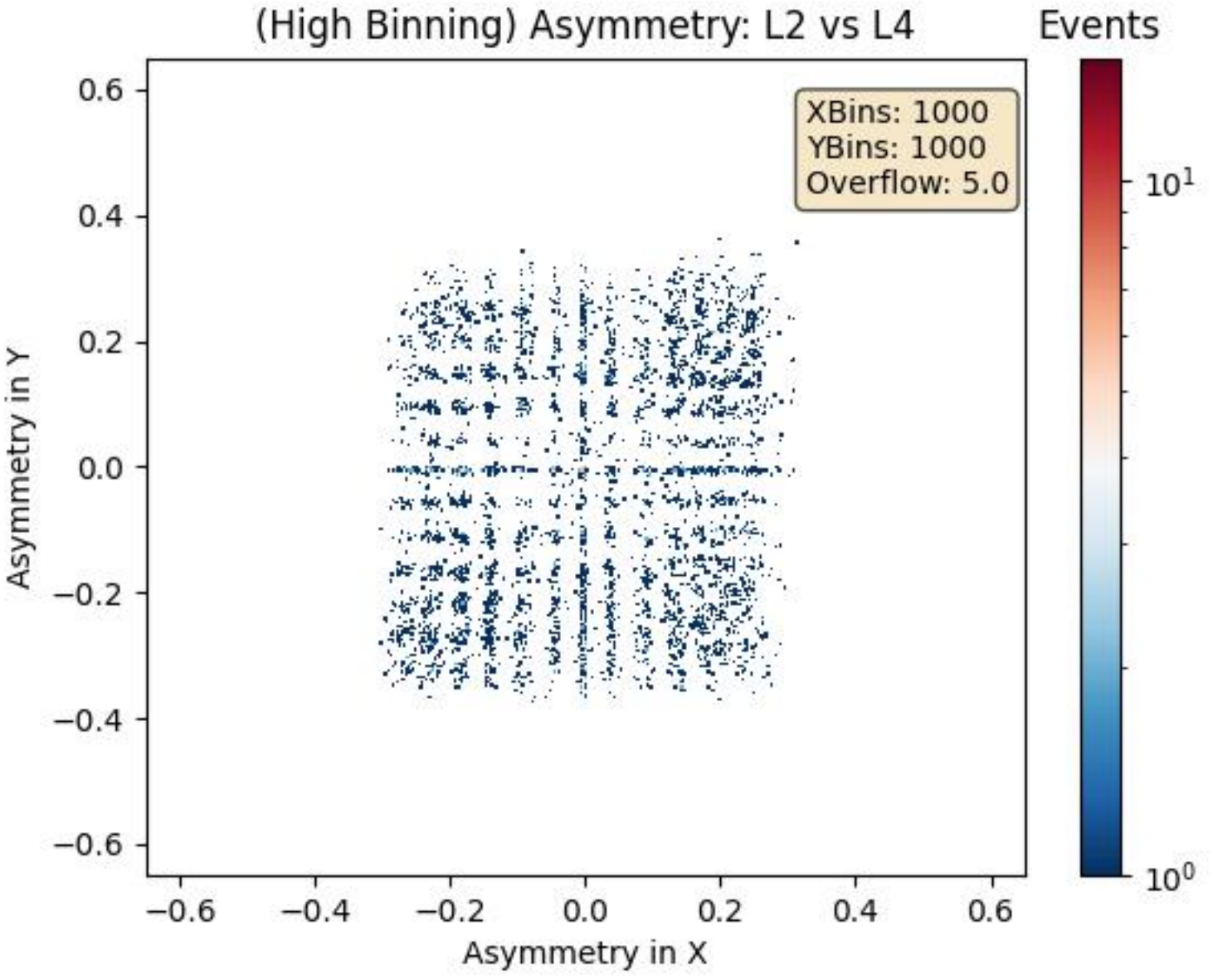

Histogram of Scaler Readings (Ch 0 - 3)
Ch0
10000
0
Mean: 1.000
Std: 0.000
Count: 10000.0
0.6
0.8
1.0
1.2
1.4
Ch1
1000
0
Mean: 44.109
Std: 28.514
Count: 10000.0
Bin: 60
0
50
100
150
200
250
300
Ch2
1000
0
Mean: 52.515
Std: 33.819
Count: 10000.0
Bin: 72
0
50
100
150
200
250
300
350
Ch3
10000
0
Mean: 0.000
Std: 0.000
Count: 10000.0
−0.4
−0.2
0.0
0.2
0.4

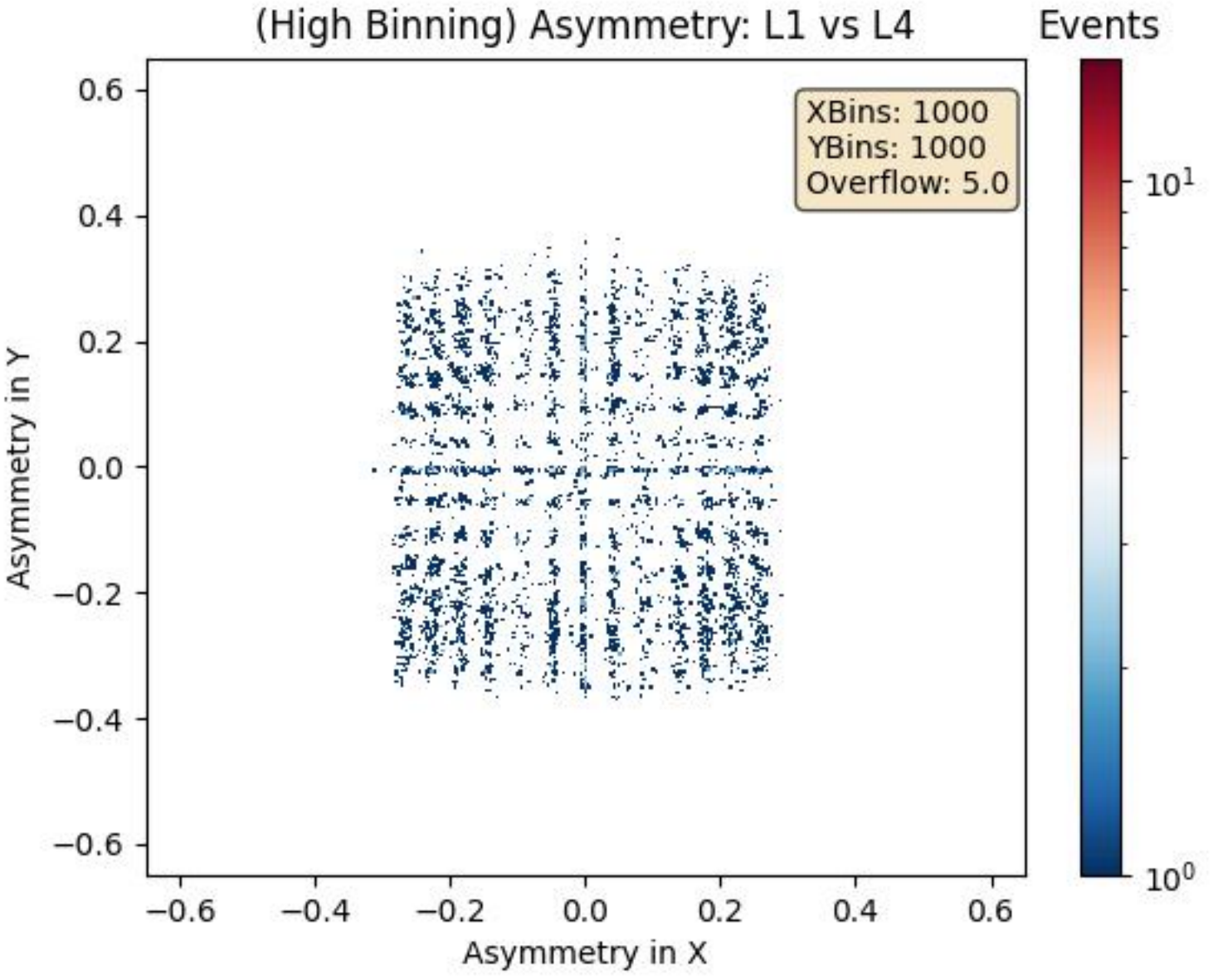

Histogram of Scaler Readings (Ch 4 - 11)
Ch4 (1L)
Mean: 30.953
Std: 19.900
Count: 10000.0
Bin: 221
Ch5 (1R)
Mean: 30.725
Std: 19.684
Count: 10000.0
Bin: 45
Ch6 (2L)
Mean: 32.513
Std: 20.827
Count: 10000.0
Bin: 45
Ch7 (2R)
Mean: 31.559
Std: 20.099
Count: 10000.0
Bin: 45
Ch8 (3L)
Mean: 36.817
Std: 23.436
Count: 10000.0
Bin: 49
Ch9 (3R)
Mean: 36.908
Std: 23.383
Count: 10000.0
Bin: 51
Ch10 (4L)
Mean: 26.026
Std: 16.646
Count: 10000.0
Bin: 36
Ch11 (4R)
Mean: 25.942
Std: 16.529
Count: 10000.0
Bin: 38

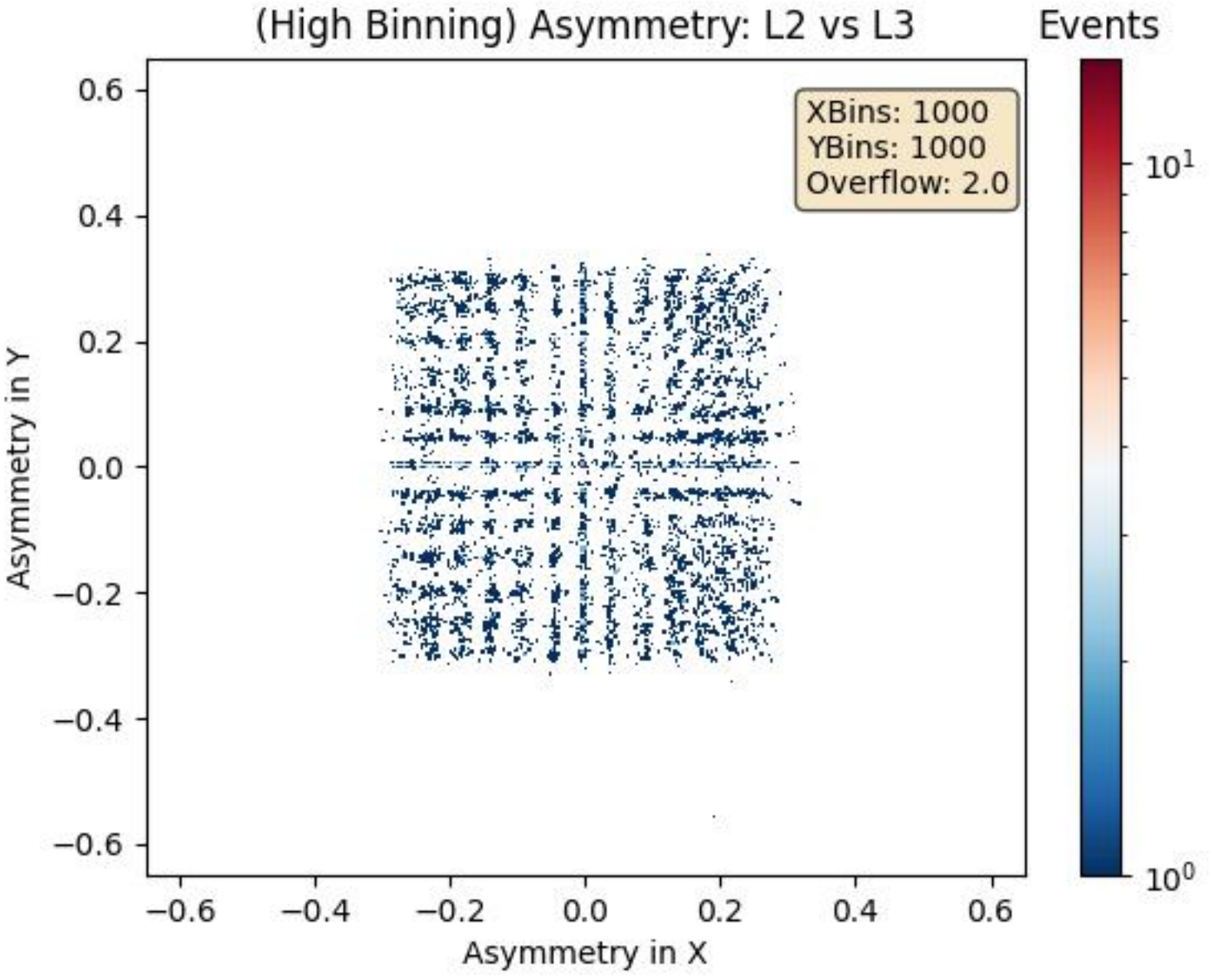

(High Binning) Asymmetry: L1 vs L2
Events
XBins: 1000
YBins: 1000
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0

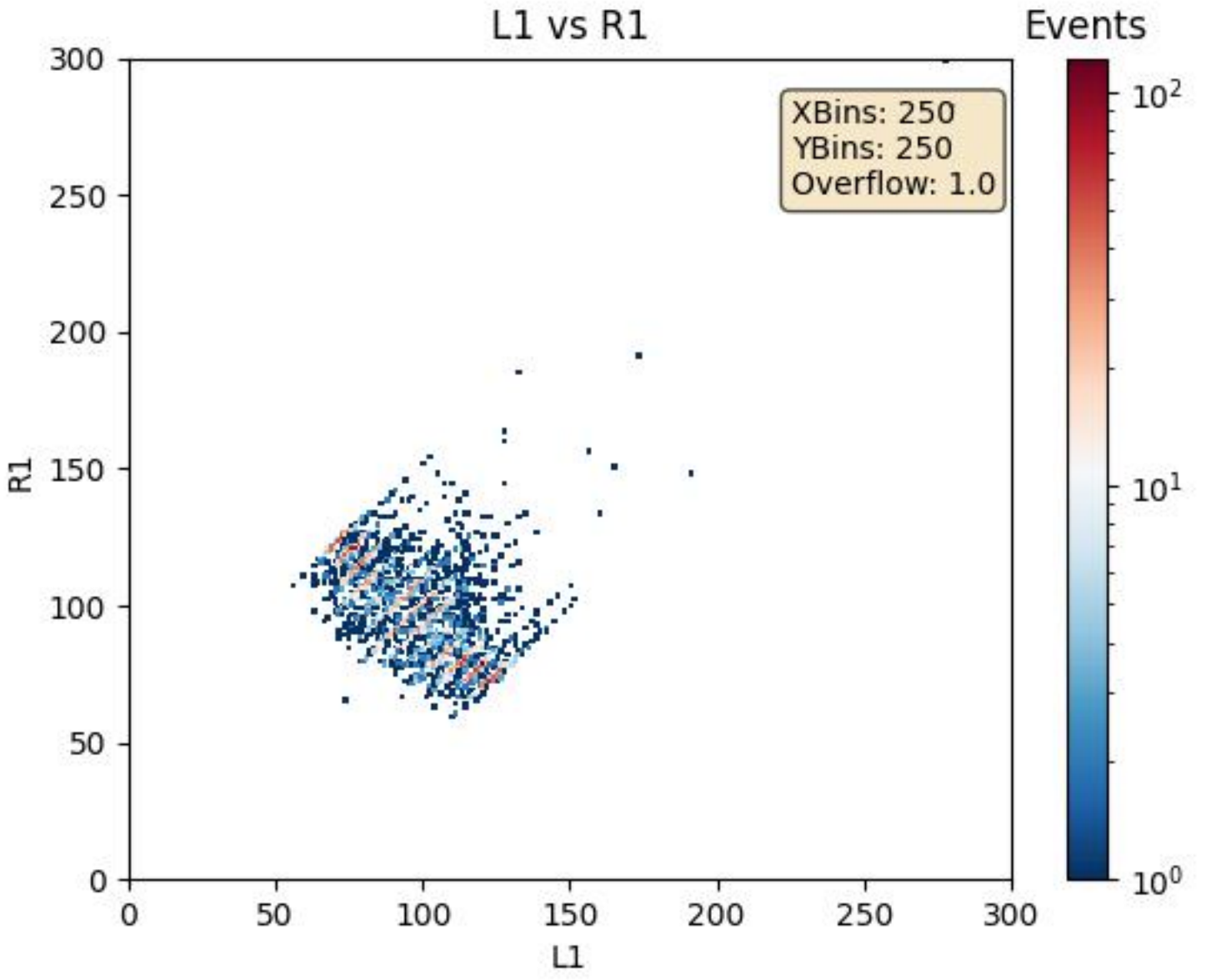

(High Binning) Asymmetry: L3 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 7.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
6×10^0
4×10^0
3×10^0
2×10^0
10^0

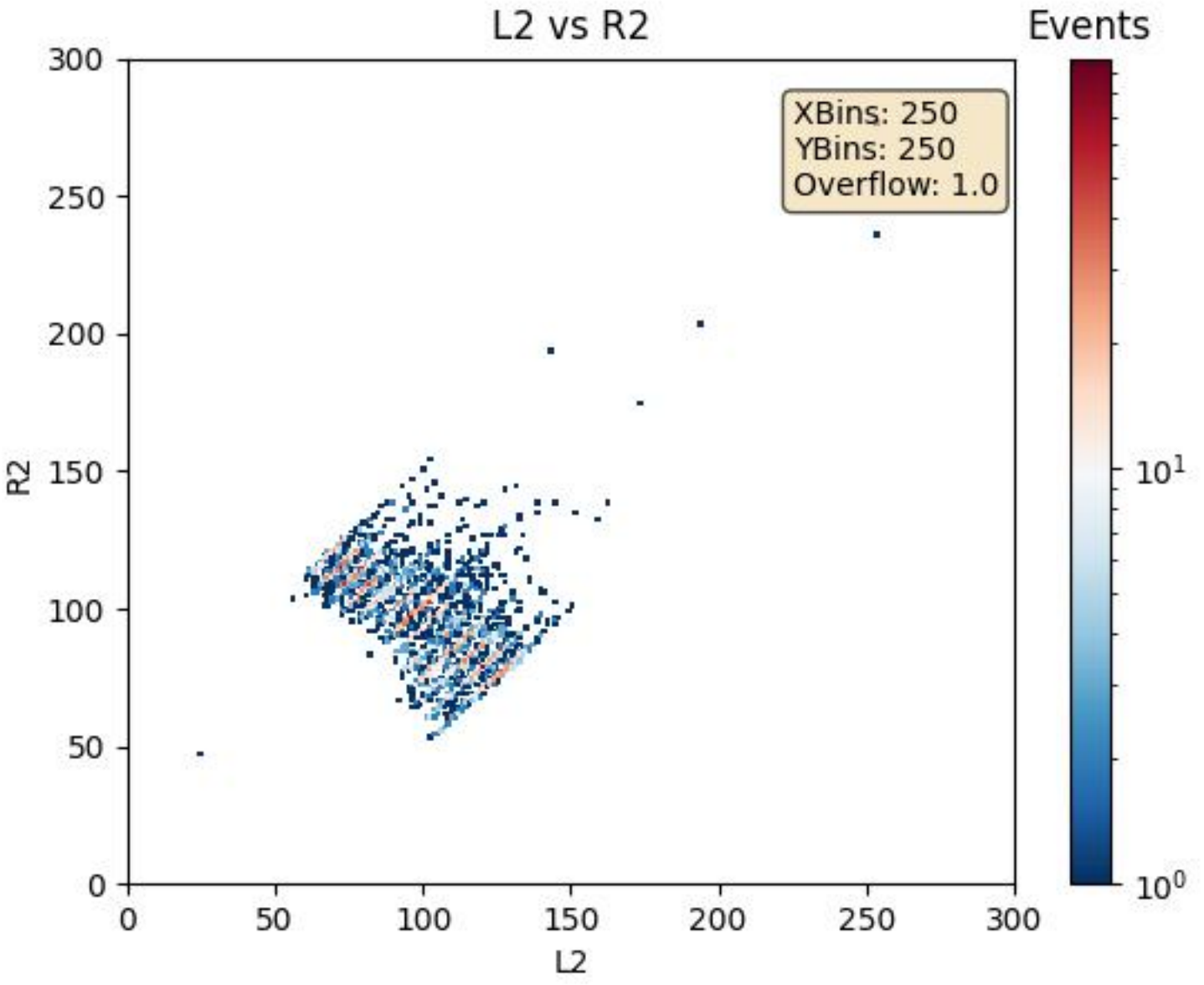

(High Binning) Asymmetry: L1 vs L3
Events
XBins: 1000
YBins: 1000
Overflow: 2.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0

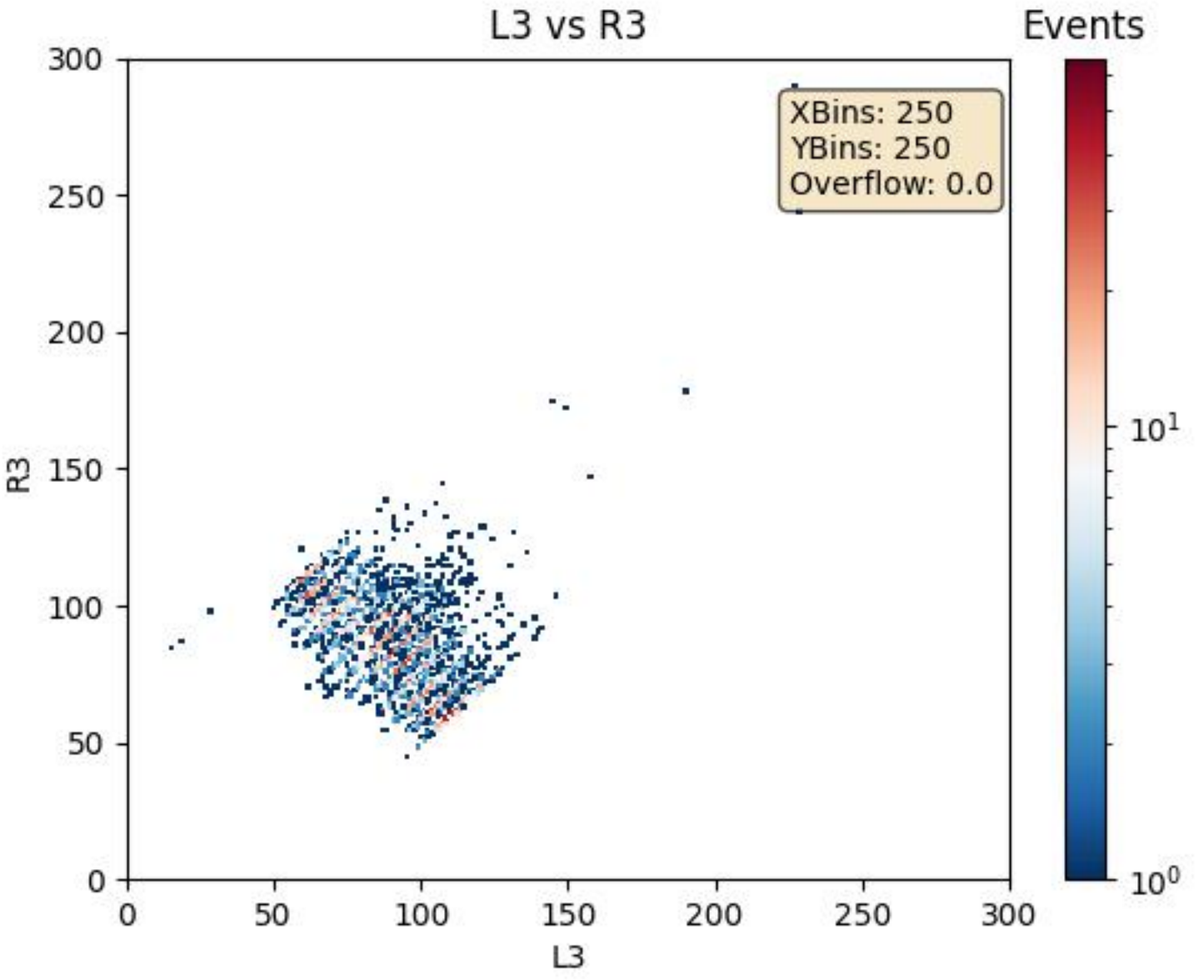

(High Binning) Asymmetry: L2 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 5.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0

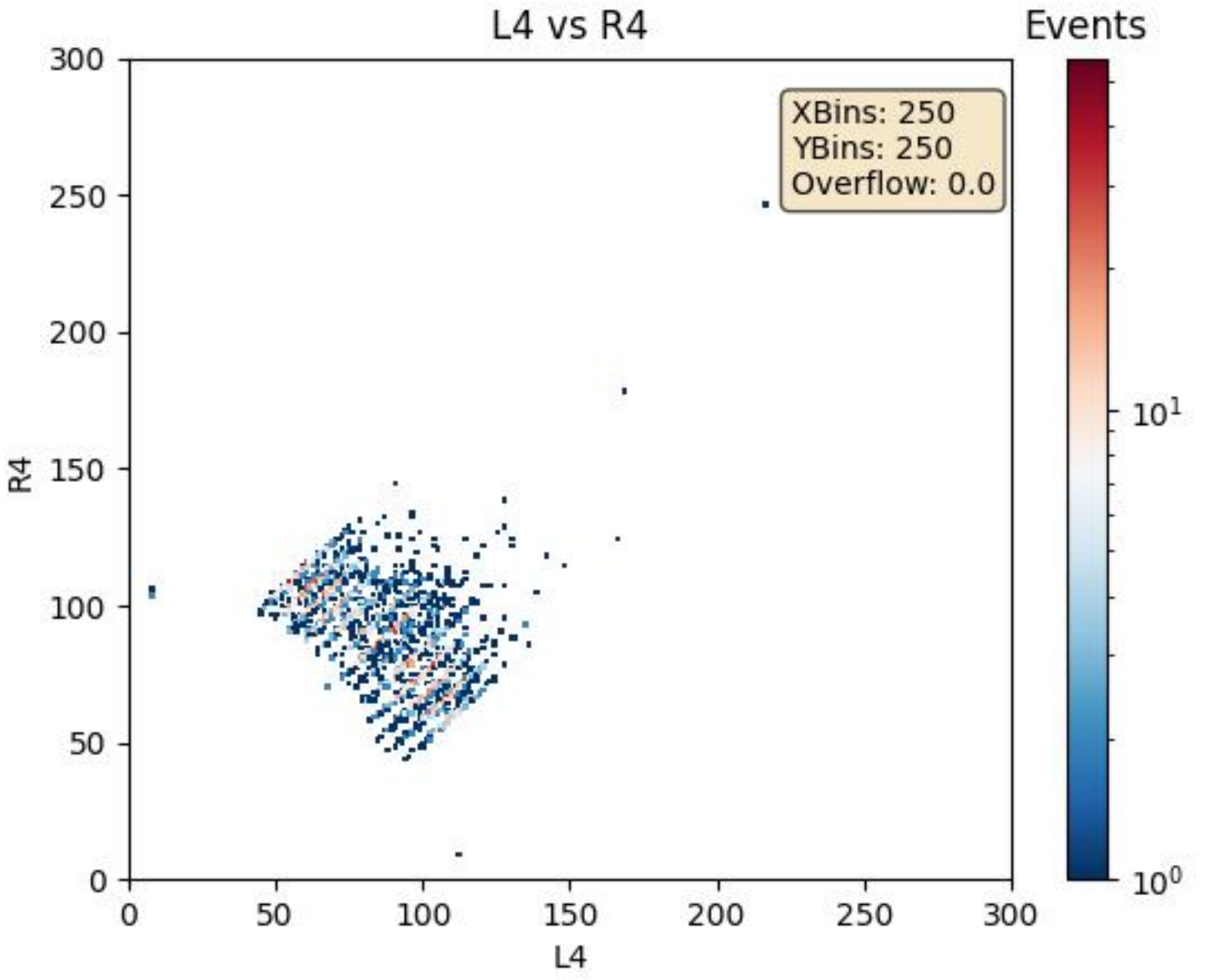

(High Binning) Asymmetry: L1 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 5.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0

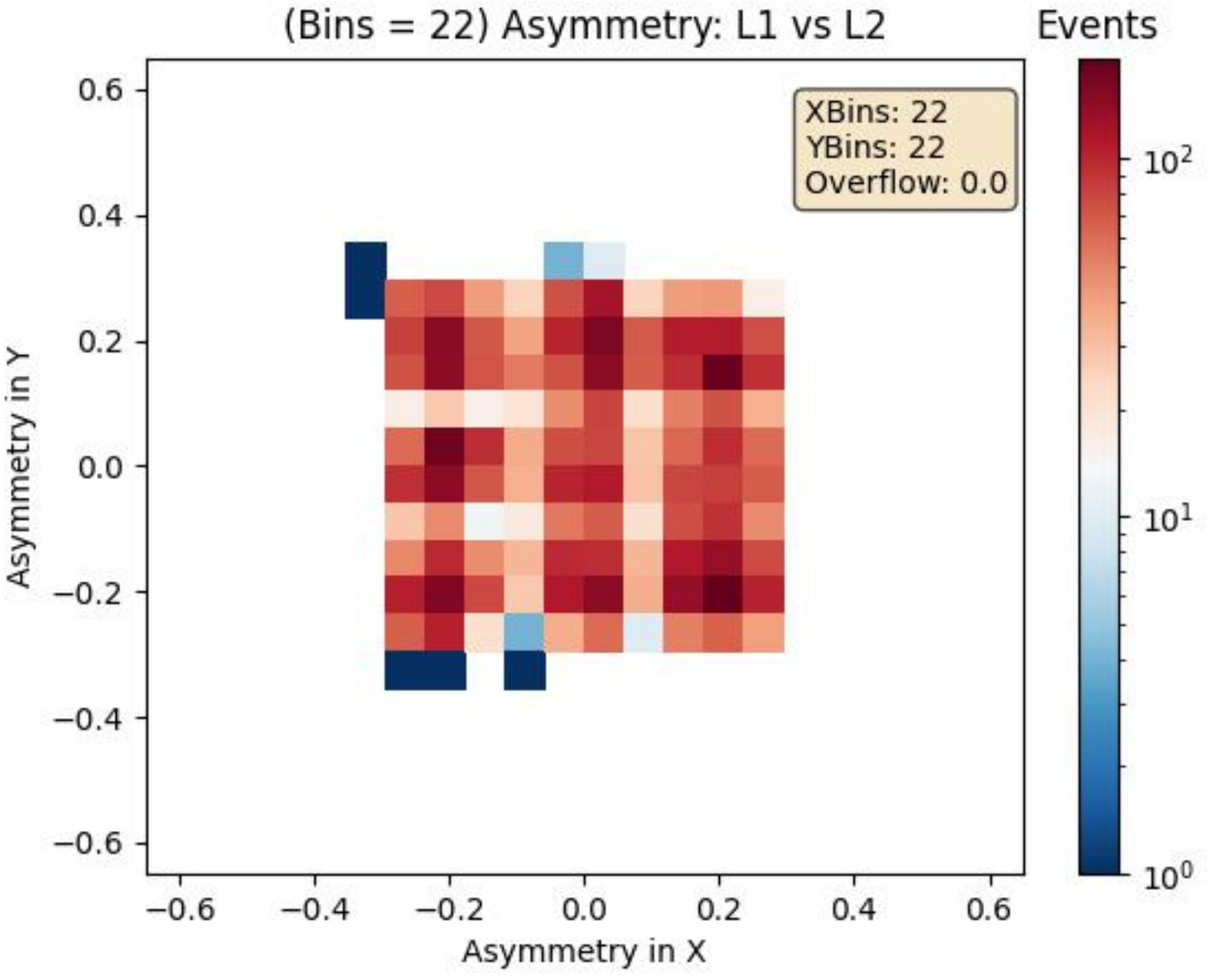

(High Binning) Asymmetry: L2 vs L3
Events
XBins: 1000
YBins: 1000
Overflow: 2.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0

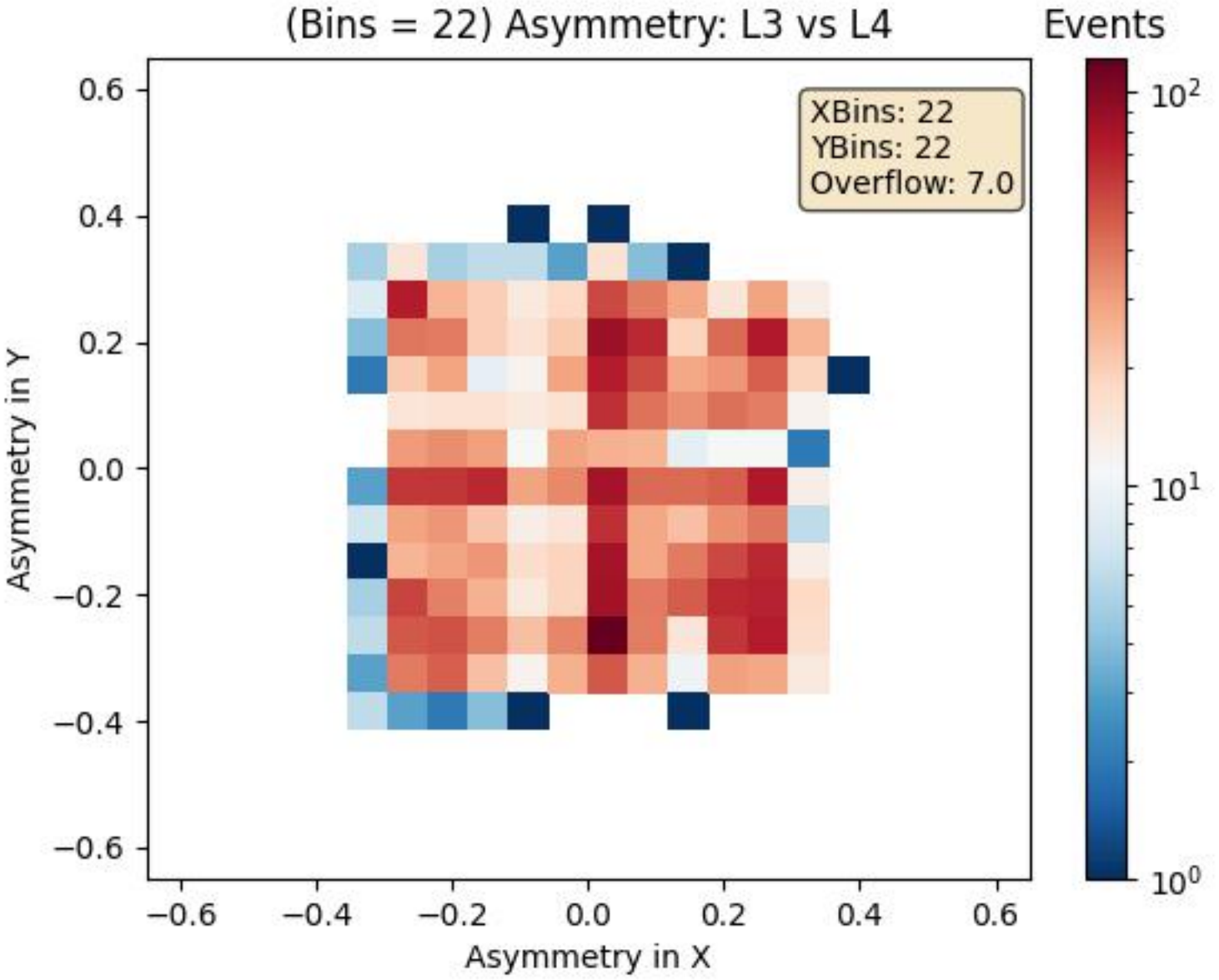

L1 vs R1
Events
XBins: 250
YBins: 250
Overflow: 1.0
R1
L1
0
50
100
150
200
250
300
10^2
10^1
10^0

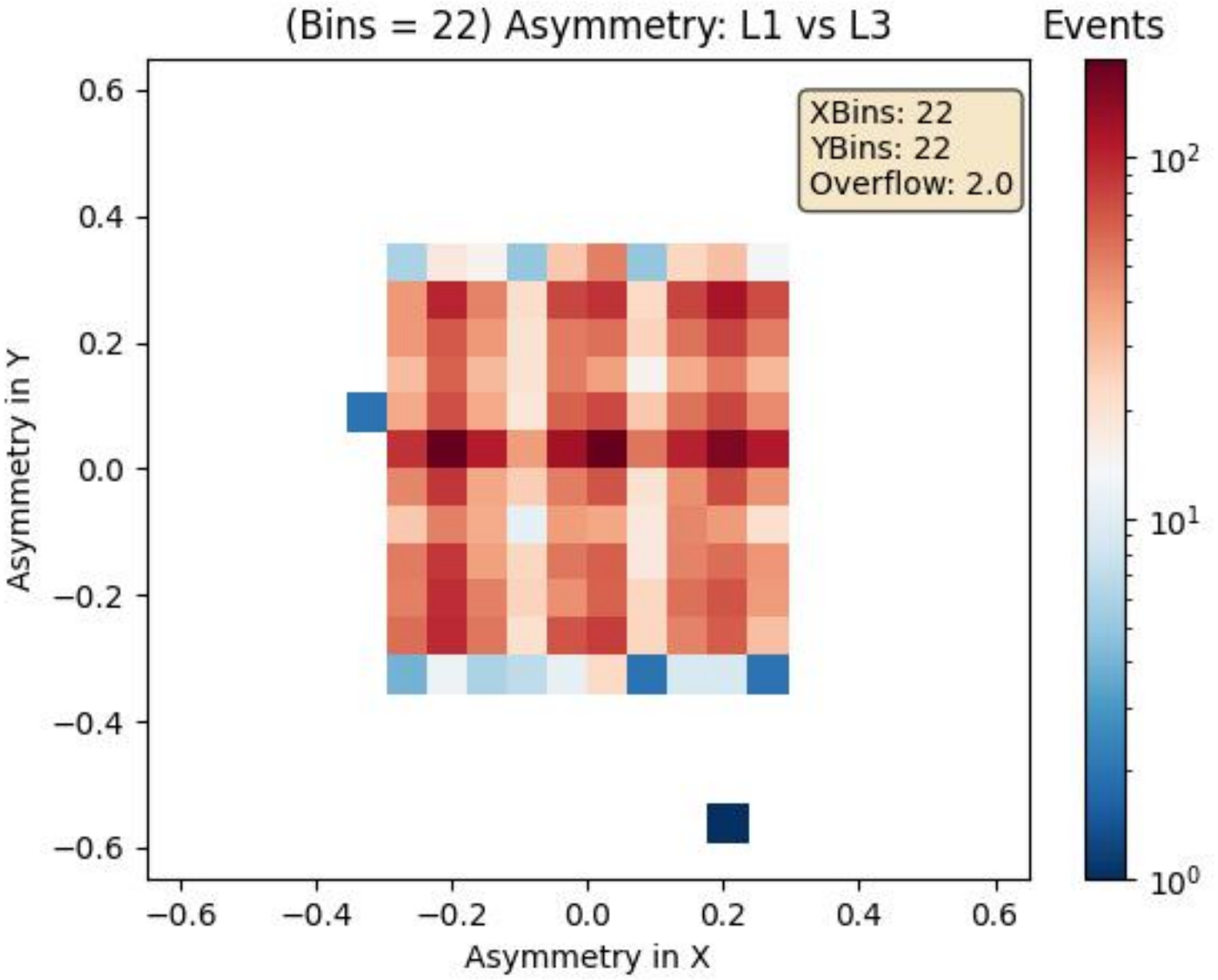

L2 vs R2
Events
XBins: 250
YBins: 250
Overflow: 1.0
R2
L2
0
50
100
150
200
250
300
10^1
10^0

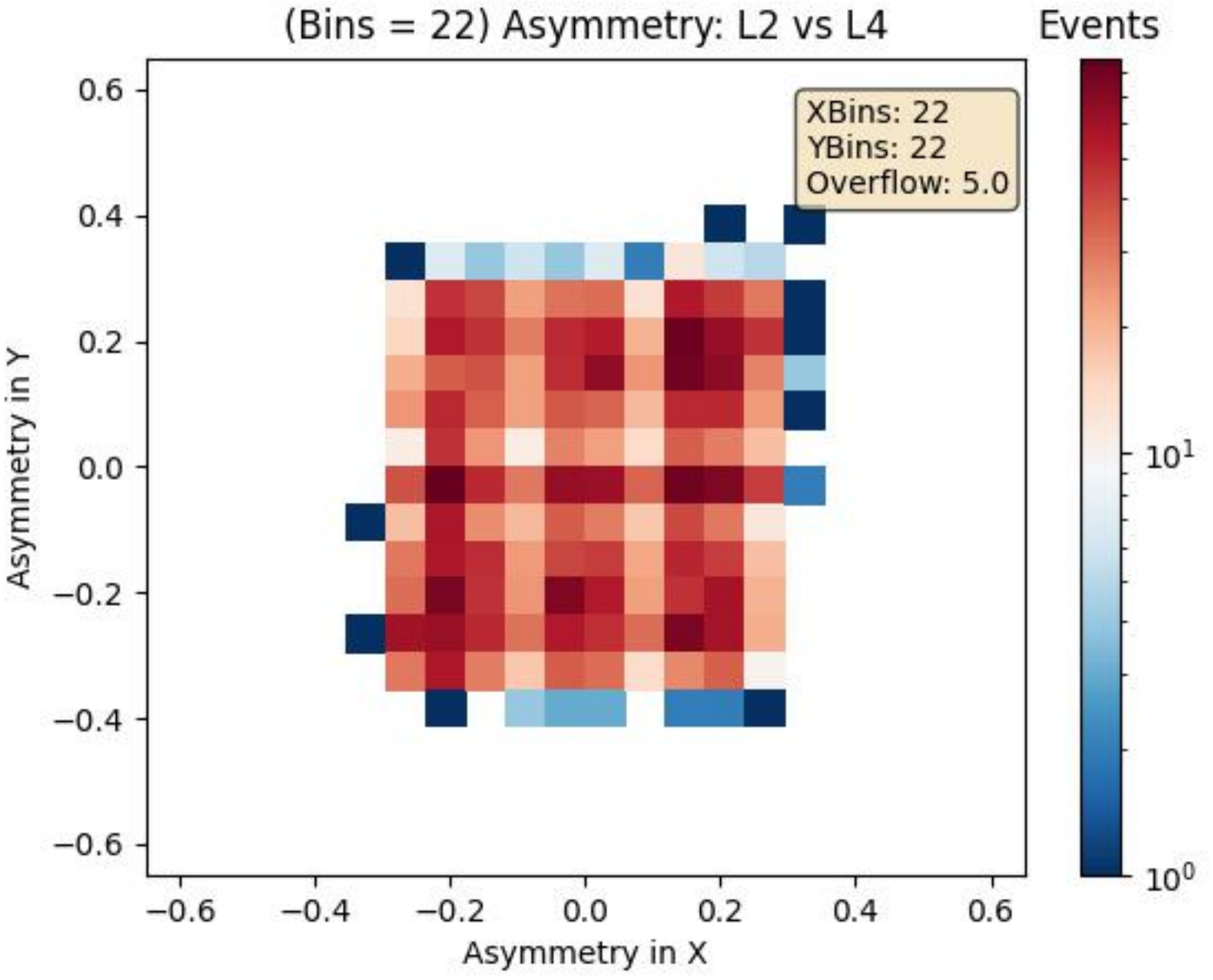

L3 vs R3
Events
XBins: 250
YBins: 250
Overflow: 0.0
R3
L3
0
50
100
150
200
250
300
10^1
10^0

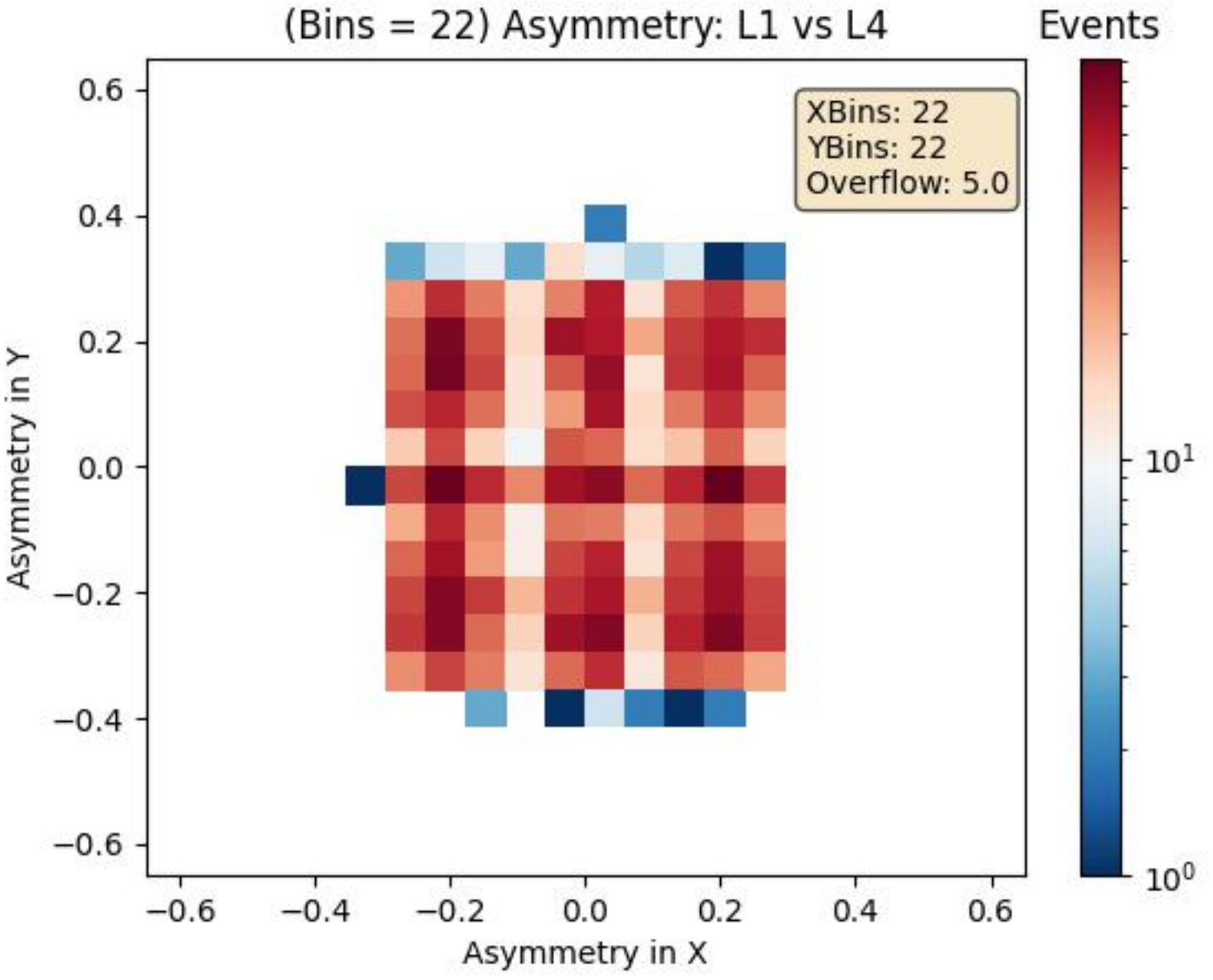

L4 vs R4
Events
XBins: 250
YBins: 250
Overflow: 0.0
R4
L4
0
50
100
150
200
250
300
10^1
10^0

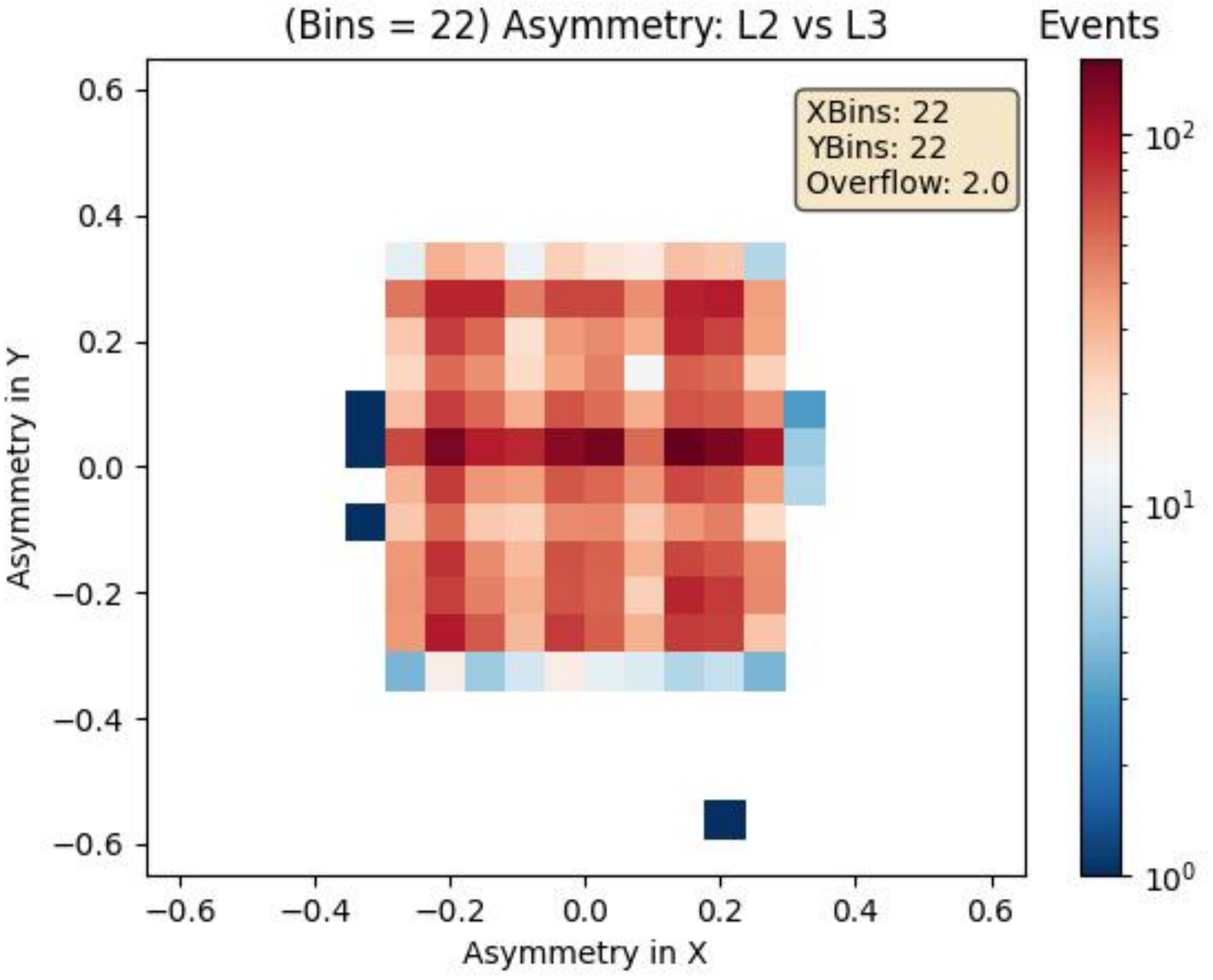

(Bins = 22) Asymmetry: L1 vs L2
Events
XBins: 22
YBins: 22
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^2
10^1
10^0


(Bins = 22) Asymmetry: L3 vs L4
Events
XBins: 22
YBins: 22
Overflow: 7.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
10^2
10^1
10^0


(Bins = 22) Asymmetry: L1 vs L3
Events
XBins: 22
YBins: 22
Overflow: 2.0
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
10^2
10^1
10^0


(Bins = 22) Asymmetry: L2 vs L4
Events
XBins: 22
YBins: 22
Overflow: 5.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
10^1
10^0


(Bins = 22) Asymmetry: L1 vs L4
Events
XBins: 22
YBins: 22
Overflow: 5.0
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
10^1
10^0


(Bins = 22) Asymmetry: L2 vs L3
Events
XBins: 22
YBins: 22
Overflow: 2.0
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
10^2
10^1
10^0