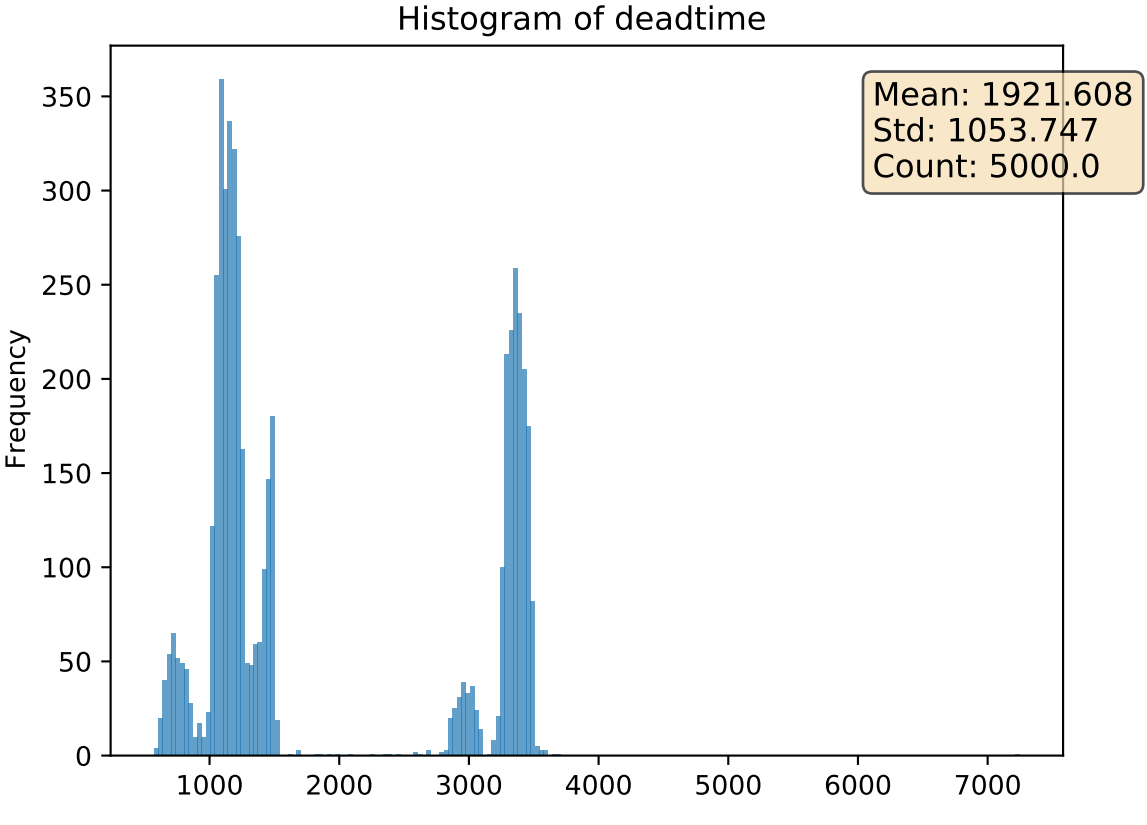
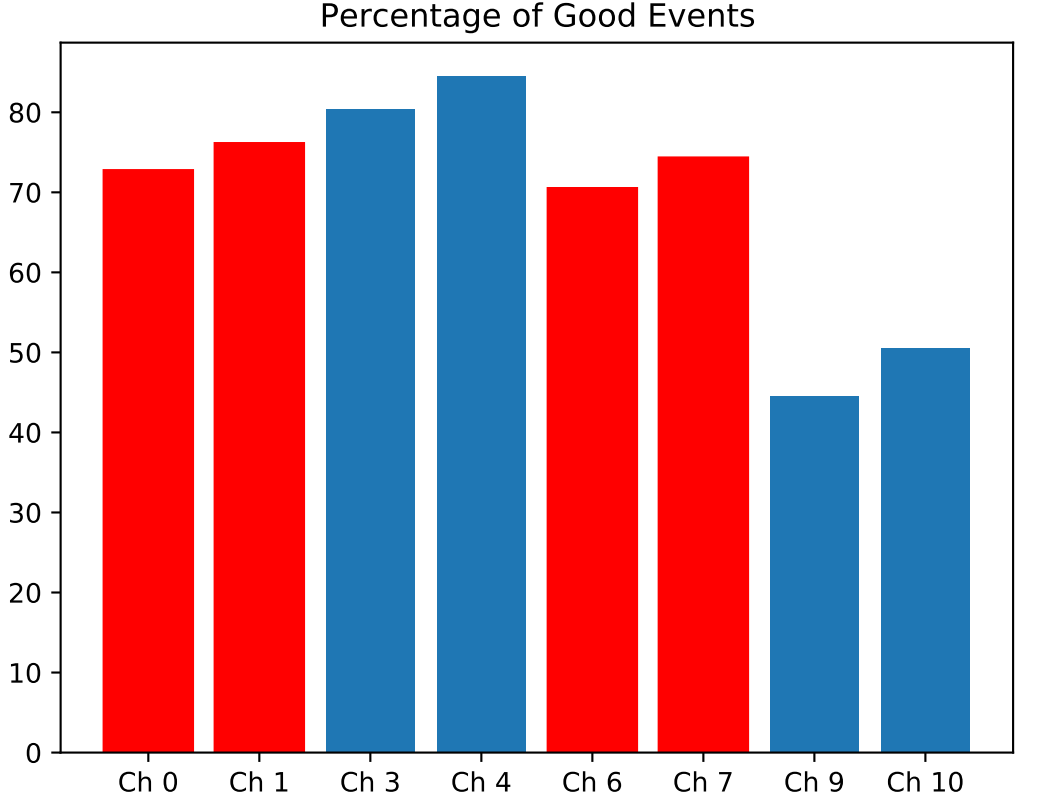
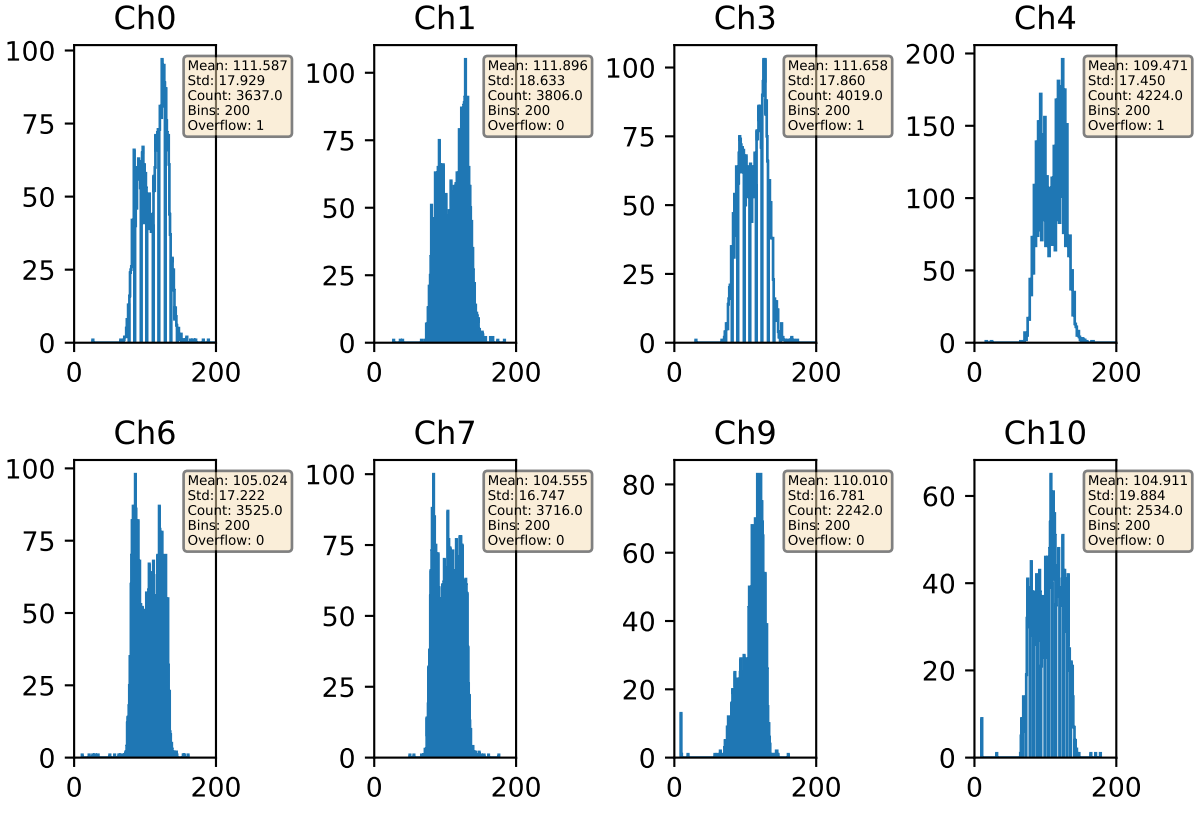
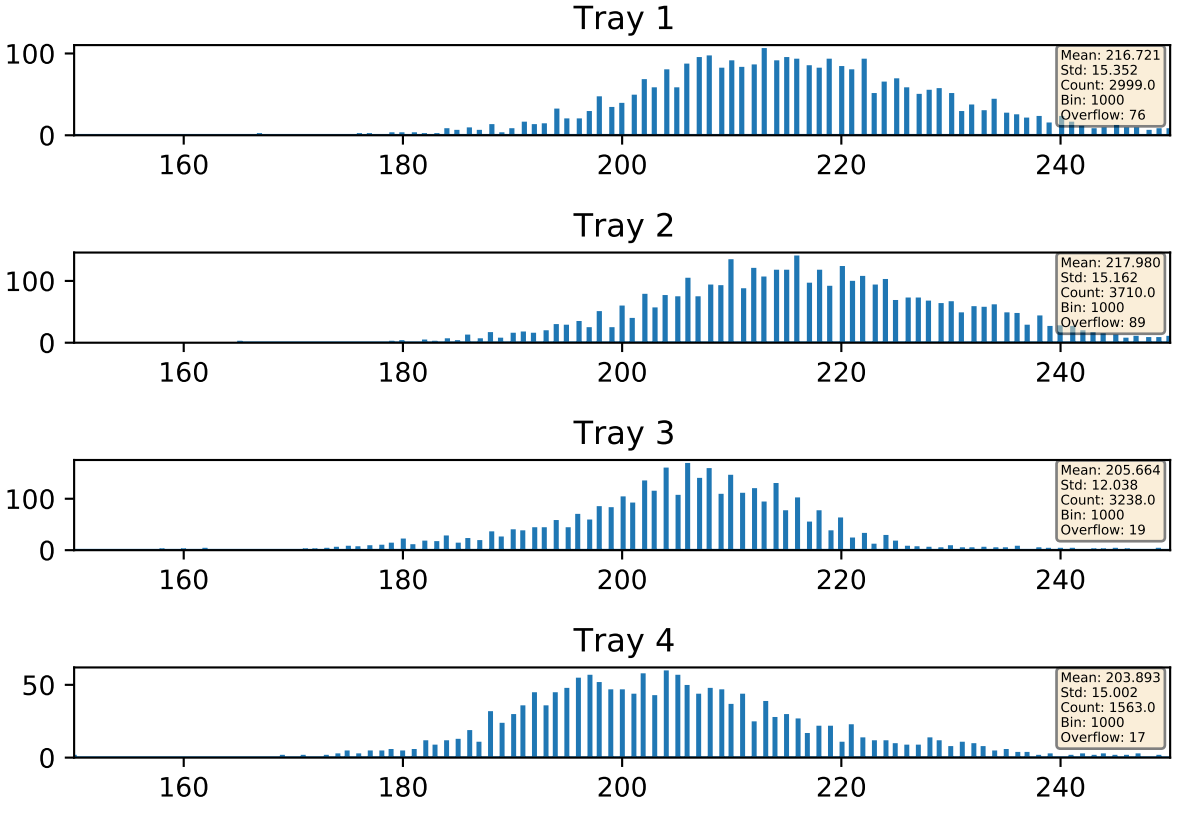
Analysis of Run: 17
Run Start: Nov 20 2020 14:54:05
Run End: Nov 20 2020 15:23:23

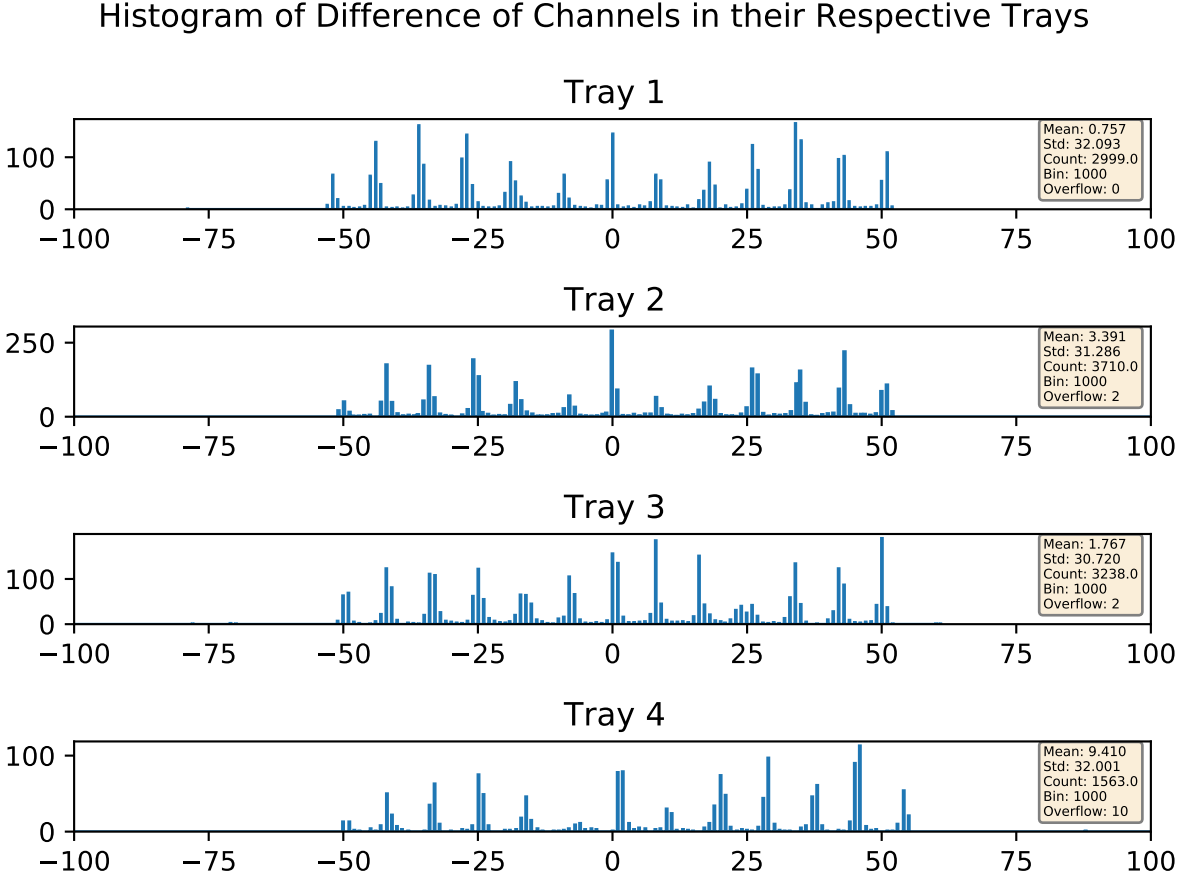
Report Generated at: Dec 11 2020 16:08:08

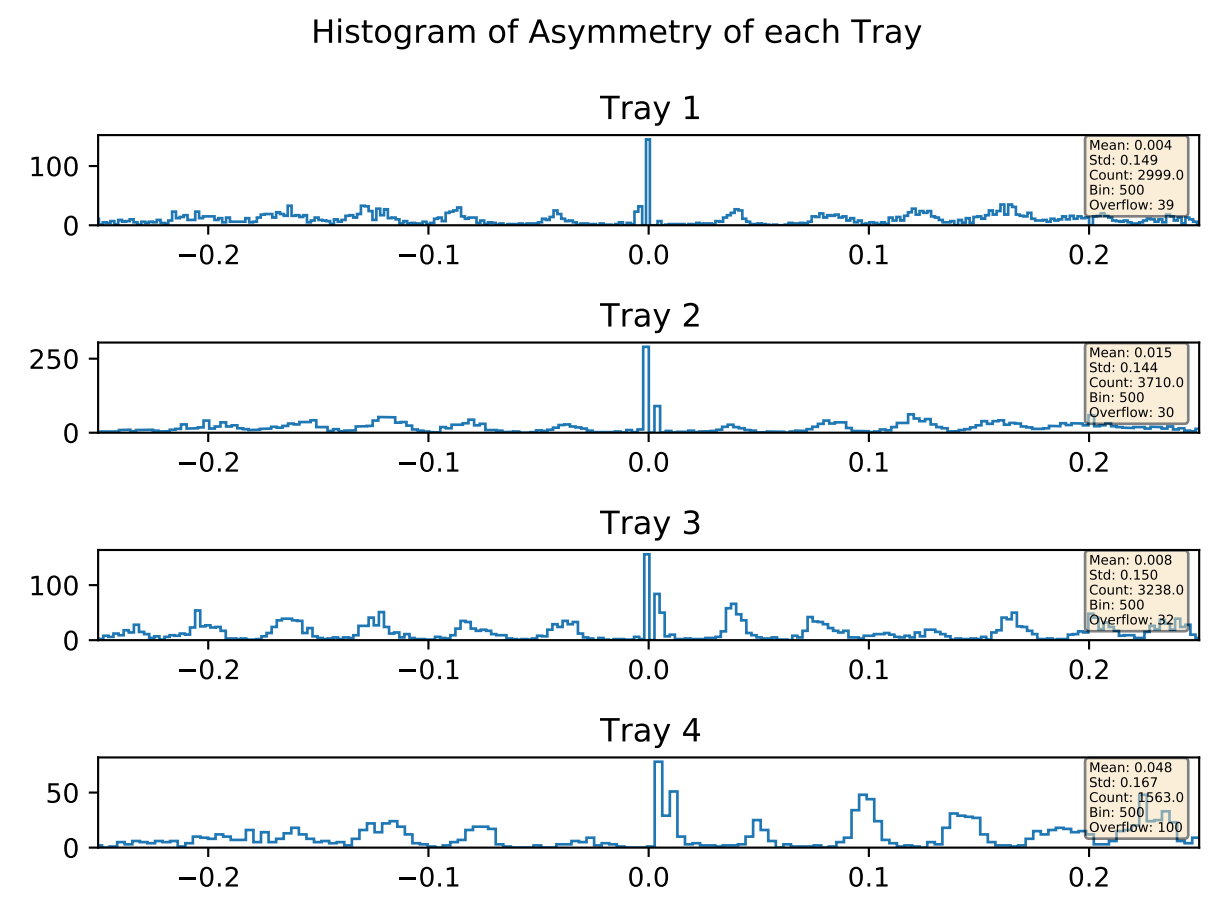

Histogram of deadtime
Mean: 1921.608
Std: 1053.747
Count: 5000.0
Frequency
0
50
100
150
200
250
300
350
1000
2000
3000
4000
5000
6000
7000

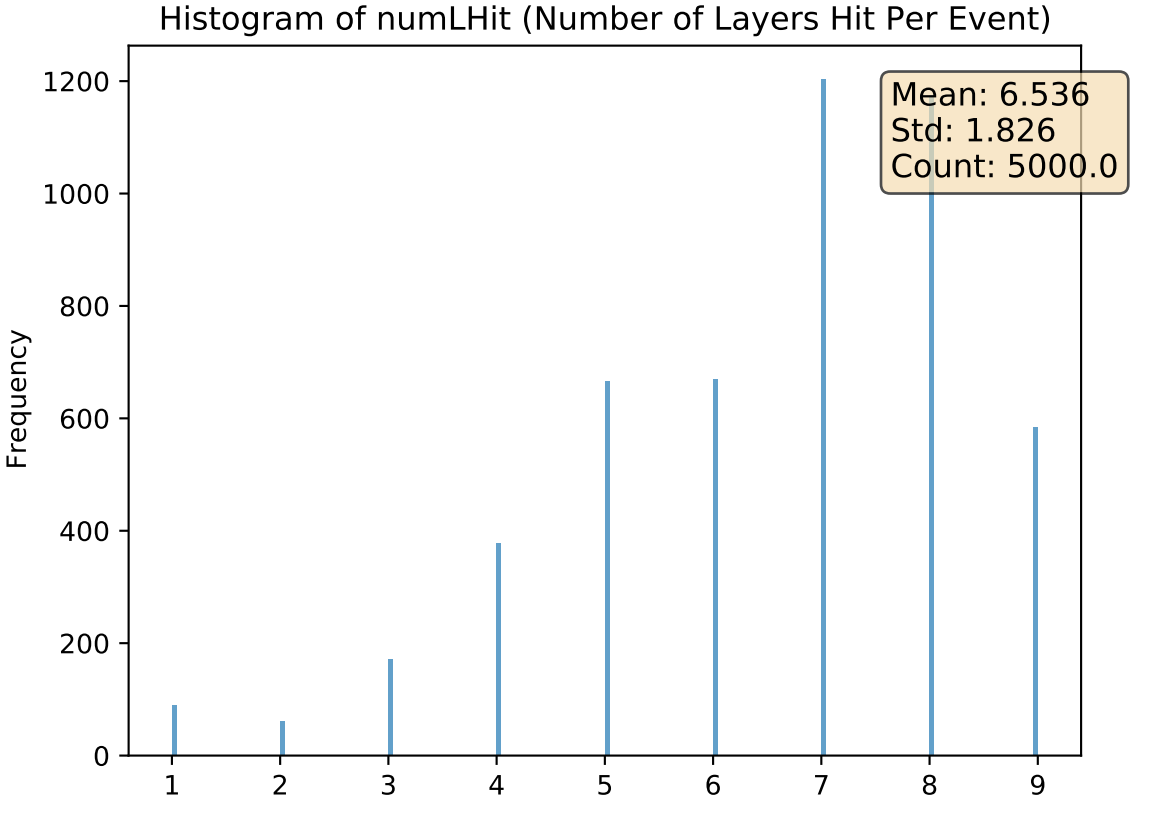

Percentage of Good Events
0
10
20
30
40
50
60
70
80
Ch 0
Ch 1
Ch 3
Ch 4
Ch 6
Ch 7
Ch 9
Ch 10

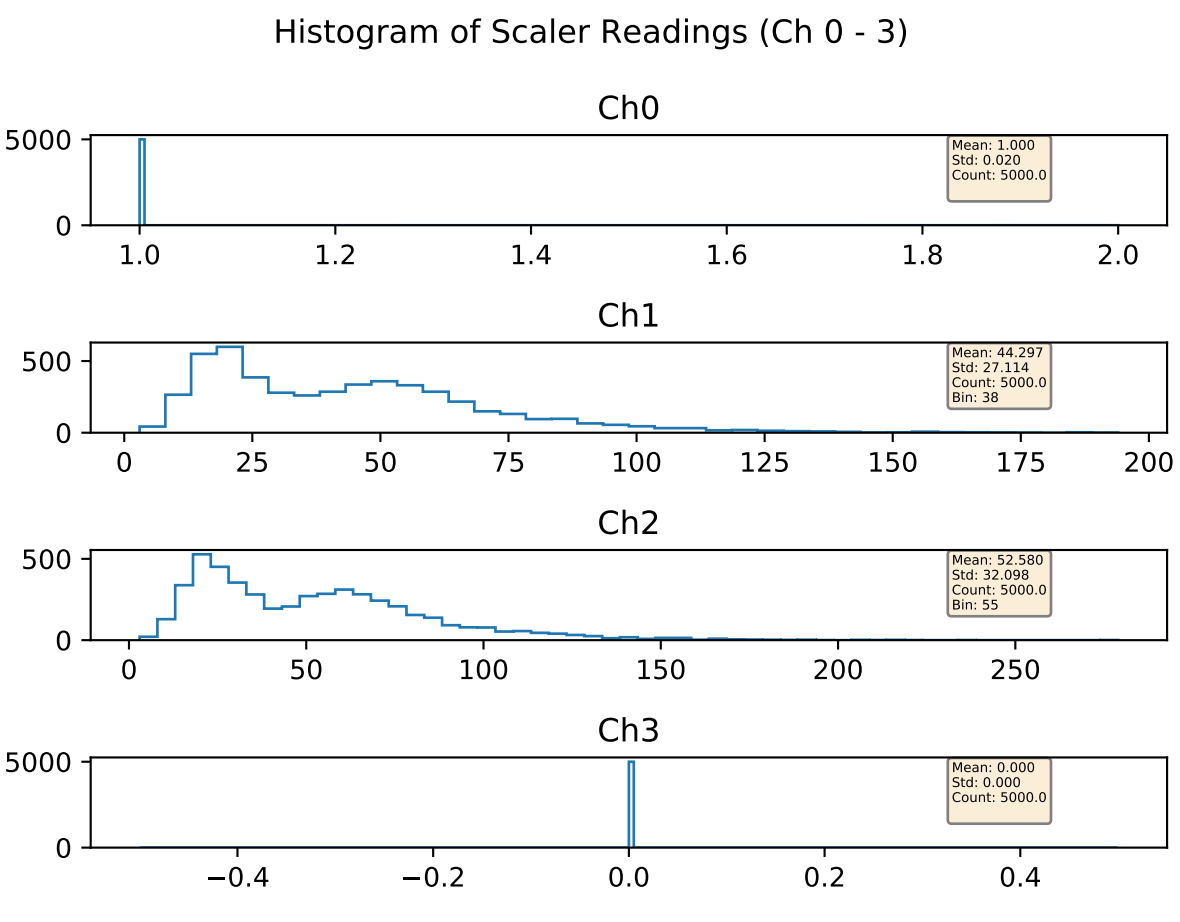

Histogram of All Individual Channels
Ch0
Mean: 111.587
Std: 17.929
Count: 3637.0
Bins: 200
Overflow: 1
Ch1
Mean: 111.896
Std: 18.633
Count: 3806.0
Bins: 200
Overflow: 0
Ch3
Mean: 111.658
Std: 17.860
Count: 4019.0
Bins: 200
Overflow: 1
Ch4
Mean: 109.471
Std: 17.450
Count: 4224.0
Bins: 200
Overflow: 1
Ch6
Mean: 105.024
Std: 17.222
Count: 3525.0
Bins: 200
Overflow: 0
Ch7
Mean: 104.555
Std: 16.747
Count: 3716.0
Bins: 200
Overflow: 0
Ch9
Mean: 110.010
Std: 16.781
Count: 2242.0
Bins: 200
Overflow: 0
Ch10
Mean: 104.911
Std: 19.884
Count: 2534.0
Bins: 200
Overflow: 0

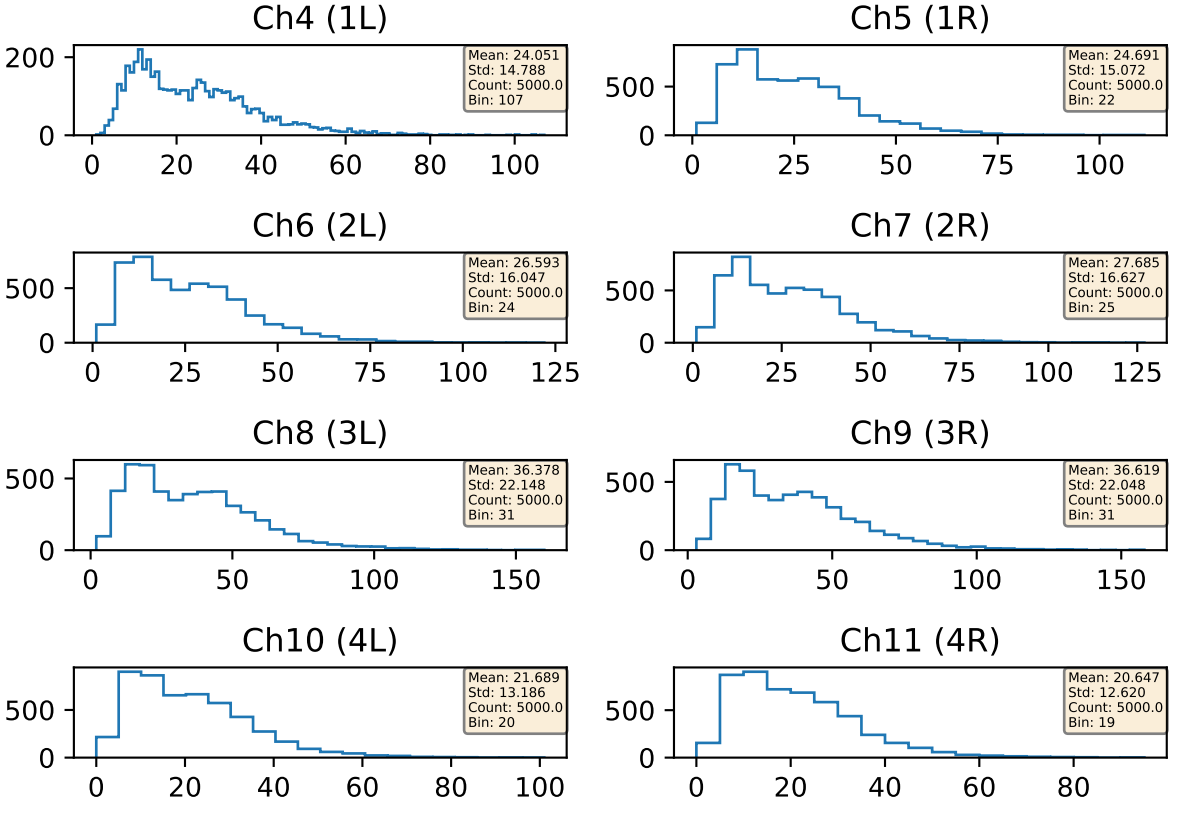

Histogram of Sum of Channels in their Respective Trays
Tray 1
Mean: 216.721
Std: 15.352
Count: 2999.0
Bin: 1000
Overflow: 76
Tray 2
Mean: 217.980
Std: 15.162
Count: 3710.0
Bin: 1000
Overflow: 89
Tray 3
Mean: 205.664
Std: 12.038
Count: 3238.0
Bin: 1000
Overflow: 19
Tray 4
Mean: 203.893
Std: 15.002
Count: 1563.0
Bin: 1000
Overflow: 17
100
0
50
160
180
200
220
240

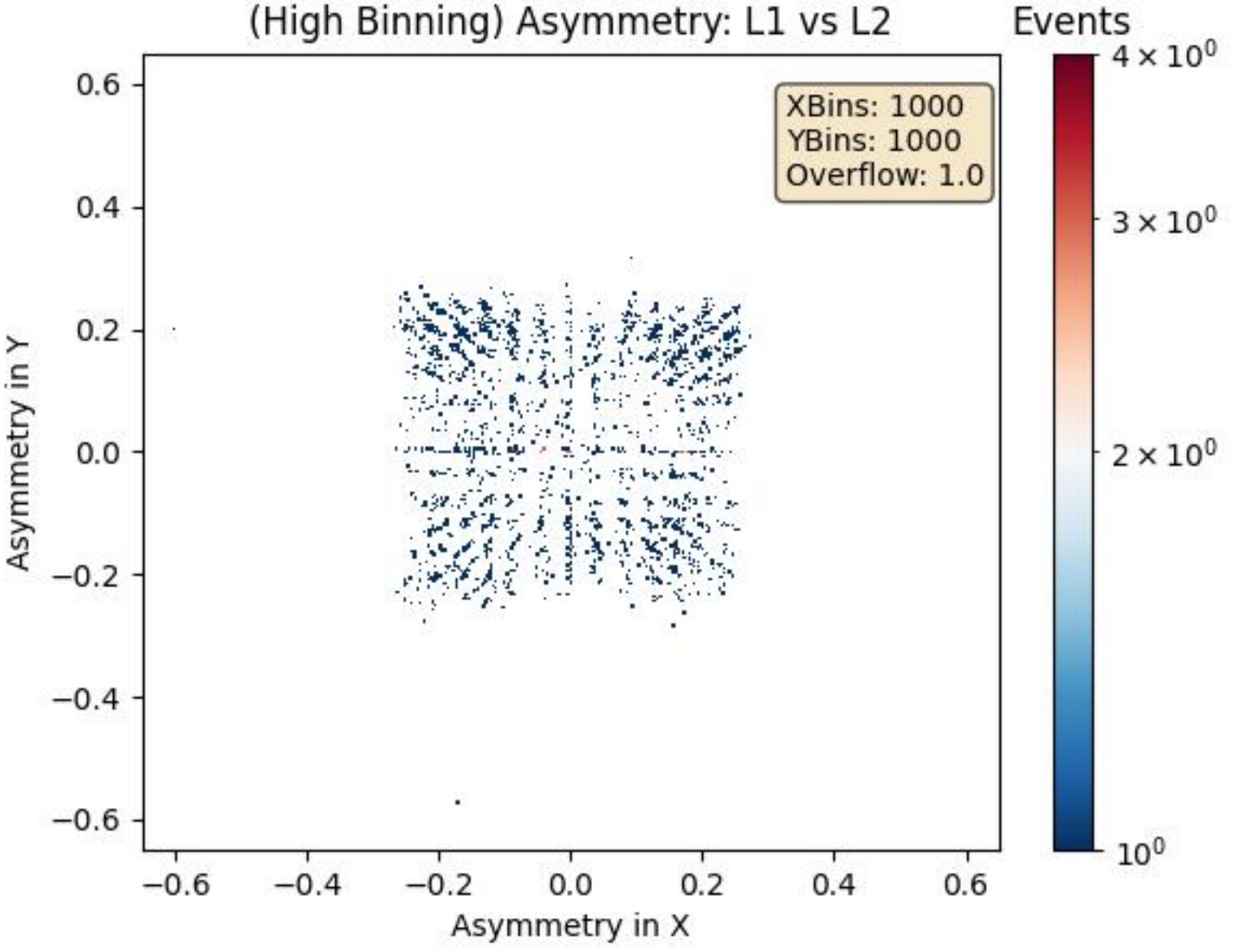

Histogram of Difference of Channels in their Respective Trays
Tray 1
Mean: 0.757
Std: 32.093
Count: 2999.0
Bin: 1000
Overflow: 0
Tray 2
Mean: 3.391
Std: 31.286
Count: 3710.0
Bin: 1000
Overflow: 2
Tray 3
Mean: 1.767
Std: 30.720
Count: 3238.0
Bin: 1000
Overflow: 2
Tray 4
Mean: 9.410
Std: 32.001
Count: 1563.0
Bin: 1000
Overflow: 10
−100
−75
−50
−25
0
25
50
75
100

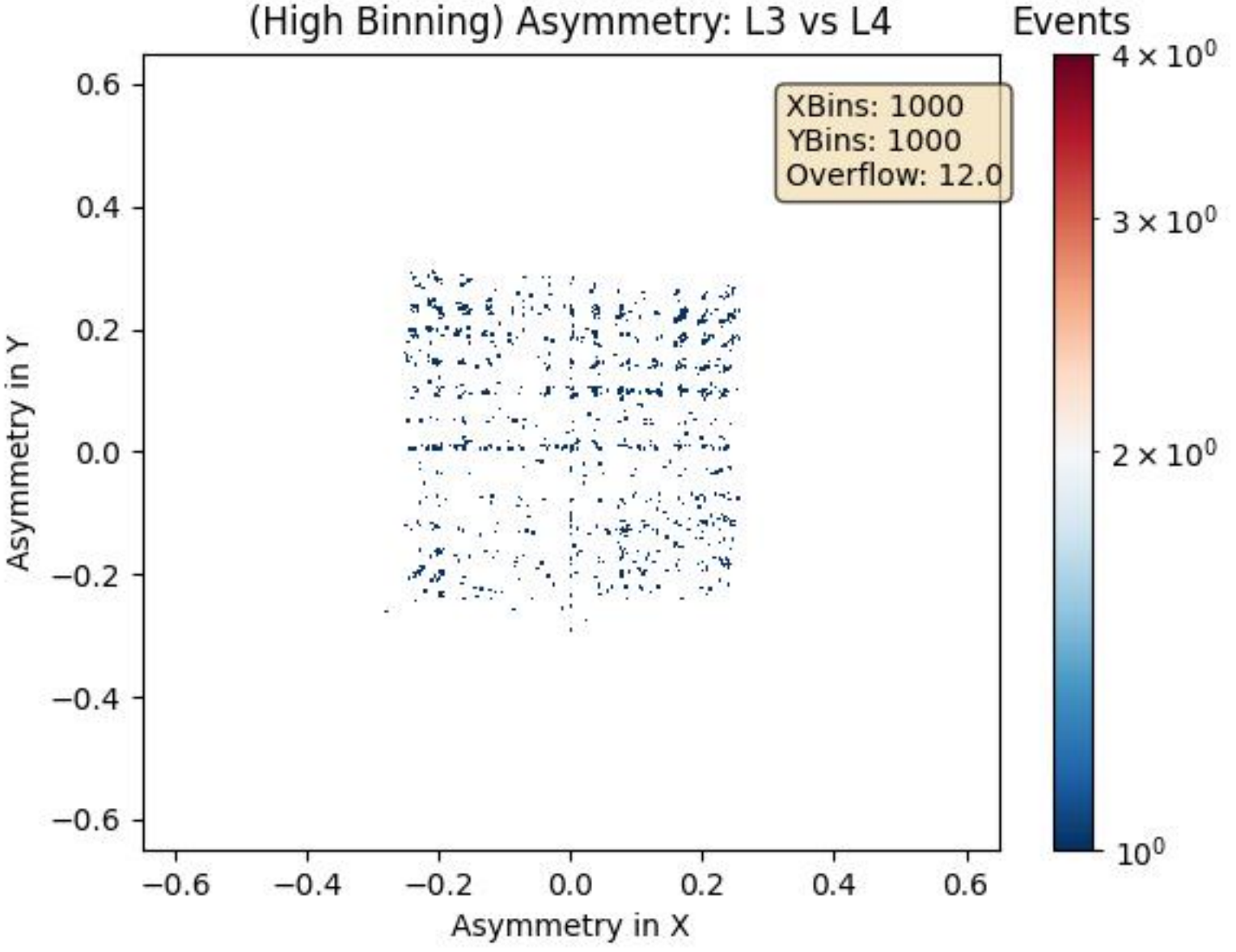

Histogram of Asymmetry of each Tray
Tray 1
Mean: 0.004
Std: 0.149
Count: 2999.0
Bin: 500
Overflow: 39
Tray 2
Mean: 0.015
Std: 0.144
Count: 3710.0
Bin: 500
Overflow: 30
Tray 3
Mean: 0.008
Std: 0.150
Count: 3238.0
Bin: 500
Overflow: 32
Tray 4
Mean: 0.048
Std: 0.167
Count: 1563.0
Bin: 500
Overflow: 100
−0.2
−0.1
0.0
0.1
0.2

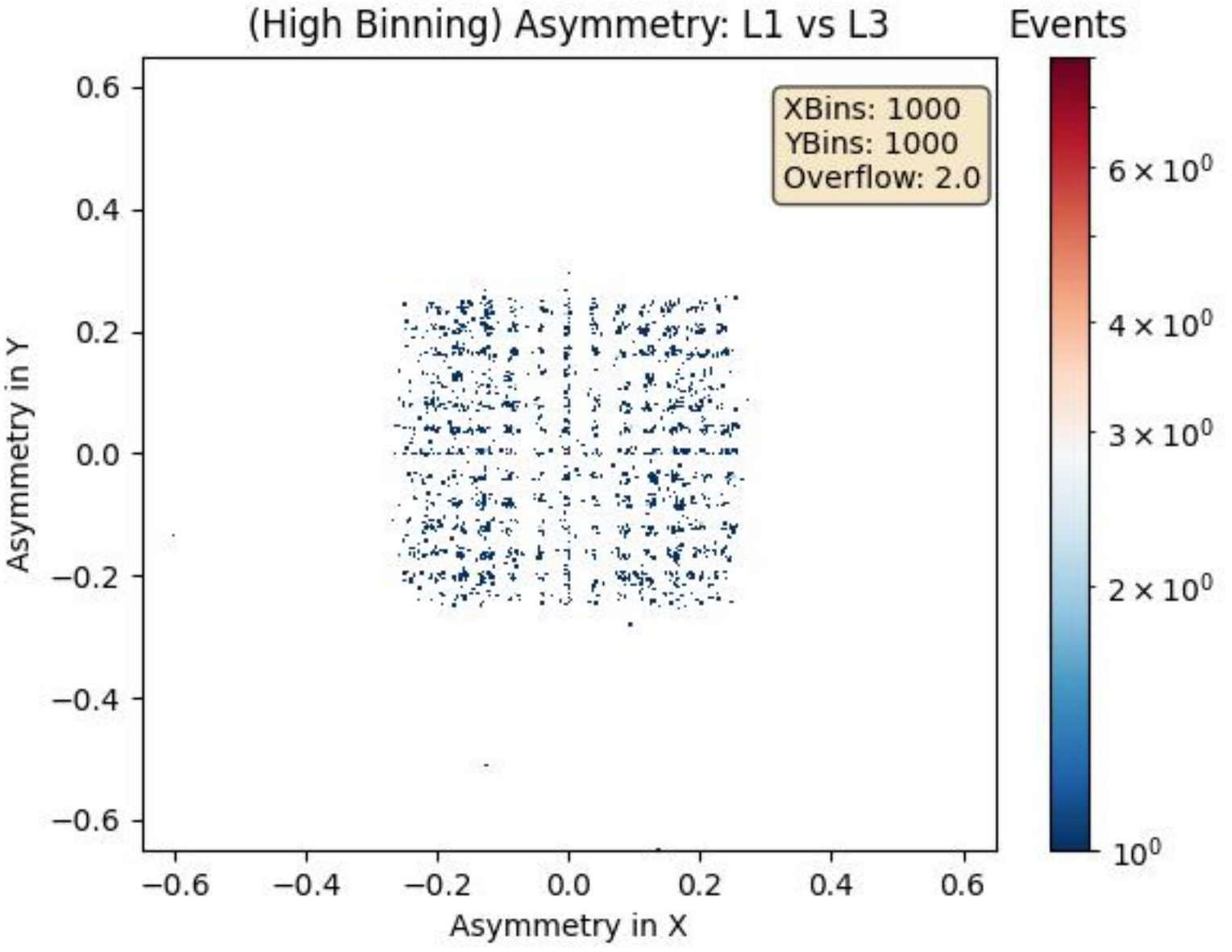

Histogram of numLHit (Number of Layers Hit Per Event)
Mean: 6.536
Std: 1.826
Count: 5000.0
Frequency
0
200
400
600
800
1000
1200
1
2
3
4
5
6
7
8
9

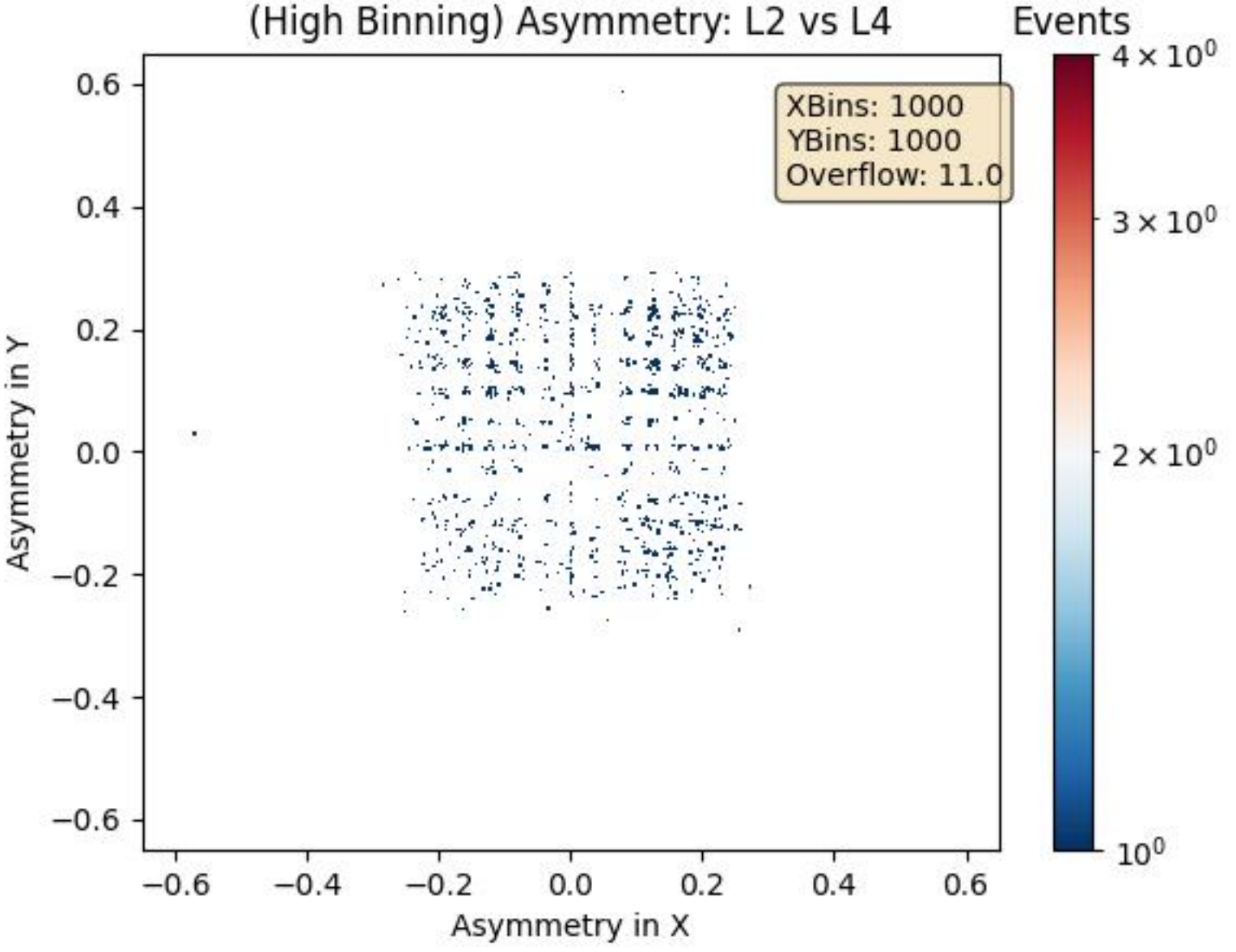

Histogram of Scaler Readings (Ch 0 - 3)
Ch0
Mean: 1.000
Std: 0.020
Count: 5000.0
5000
0
1.0
1.2
1.4
1.6
1.8
2.0
Ch1
Mean: 44.297
Std: 27.114
Count: 5000.0
Bin: 38
500
0
0
25
50
75
100
125
150
175
200
Ch2
Mean: 52.580
Std: 32.098
Count: 5000.0
Bin: 55
500
0
0
50
100
150
200
250
Ch3
Mean: 0.000
Std: 0.000
Count: 5000.0
5000
0
−0.4
−0.2
0.0
0.2
0.4

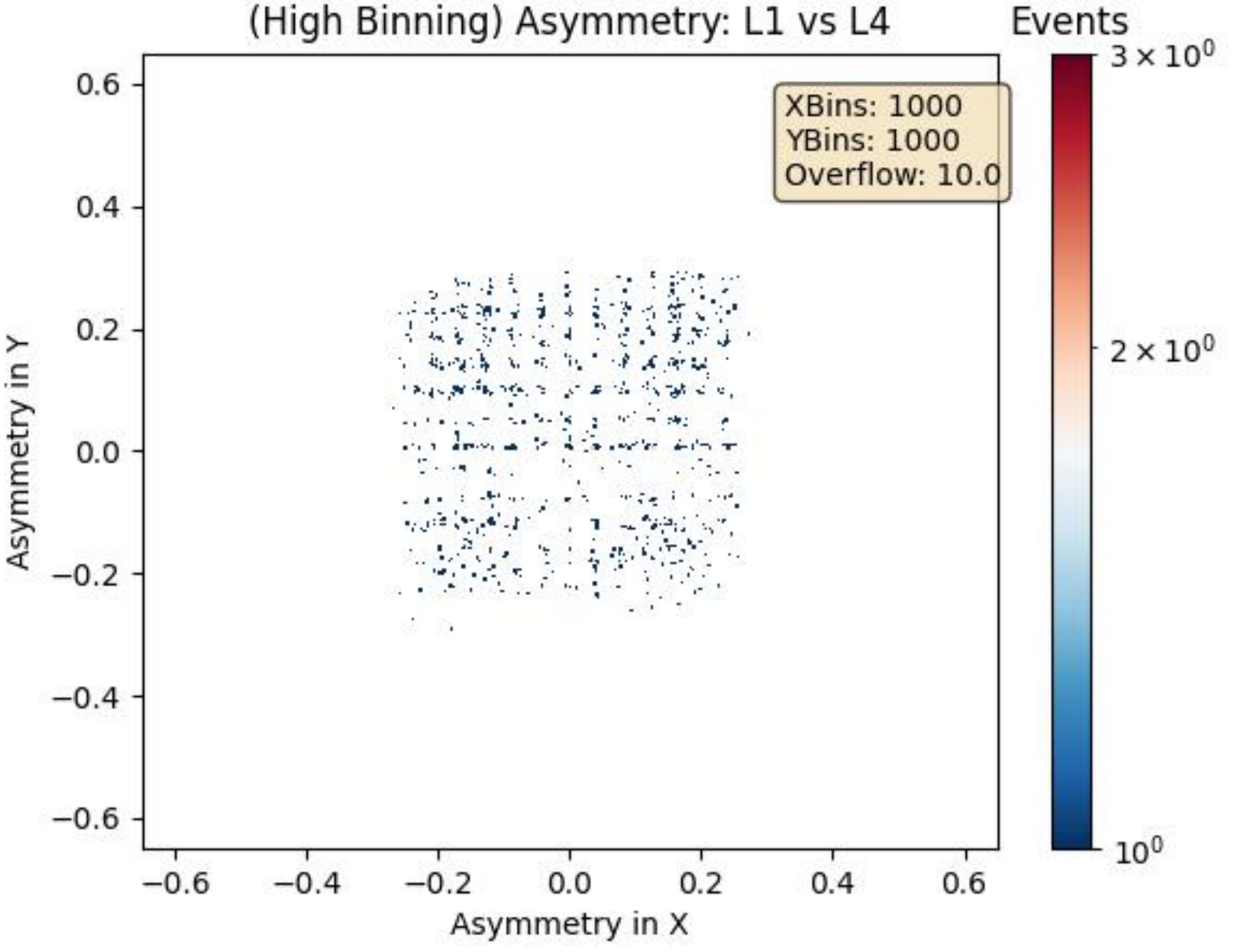

Histogram of Scaler Readings (Ch 4 - 11)
Ch4 (1L)
Mean: 24.051
Std: 14.788
Count: 5000.0
Bin: 107
Ch5 (1R)
Mean: 24.691
Std: 15.072
Count: 5000.0
Bin: 22
Ch6 (2L)
Mean: 26.593
Std: 16.047
Count: 5000.0
Bin: 24
Ch7 (2R)
Mean: 27.685
Std: 16.627
Count: 5000.0
Bin: 25
Ch8 (3L)
Mean: 36.378
Std: 22.148
Count: 5000.0
Bin: 31
Ch9 (3R)
Mean: 36.619
Std: 22.048
Count: 5000.0
Bin: 31
Ch10 (4L)
Mean: 21.689
Std: 13.186
Count: 5000.0
Bin: 20
Ch11 (4R)
Mean: 20.647
Std: 12.620
Count: 5000.0
Bin: 19

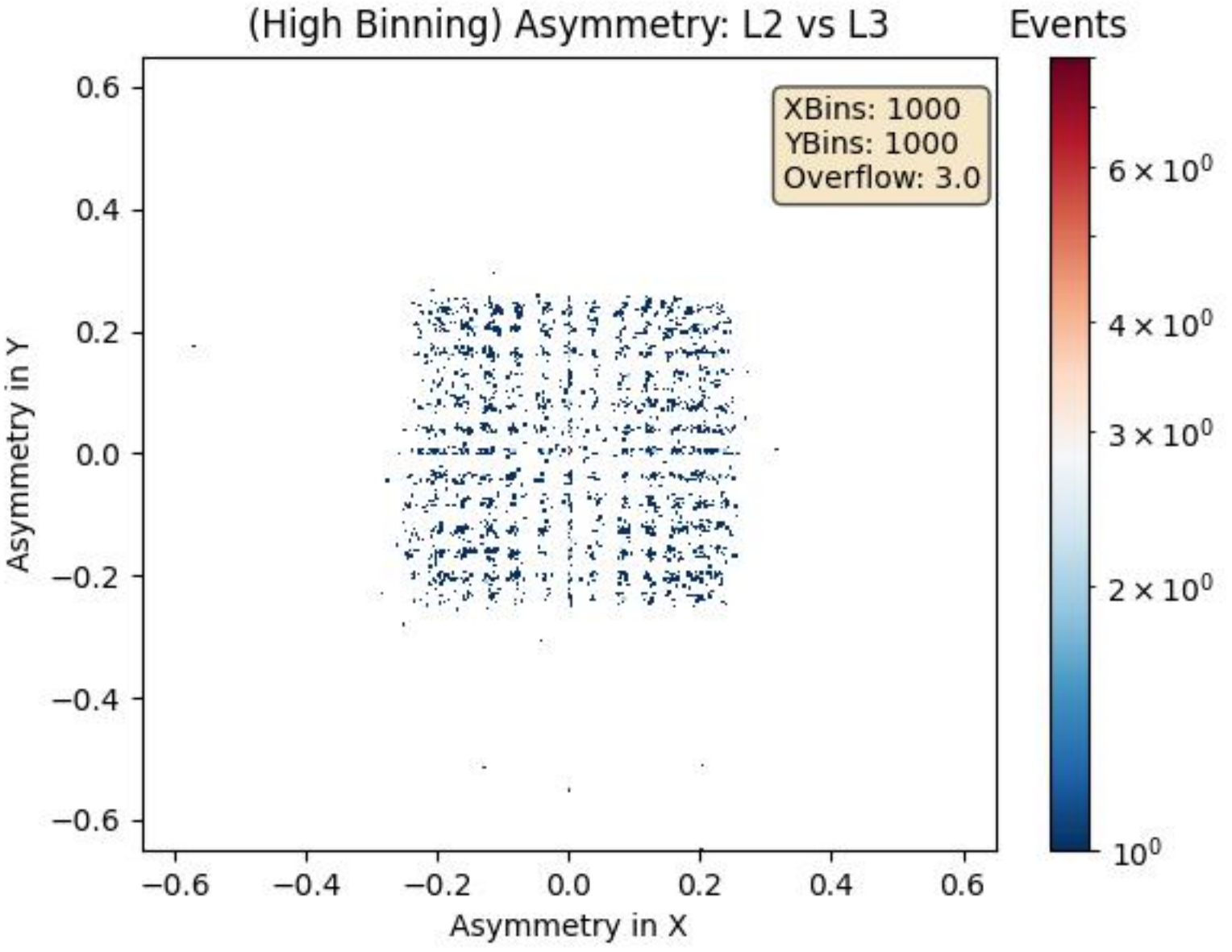

(High Binning) Asymmetry: L1 vs L2
Events
XBins: 1000
YBins: 1000
Overflow: 1.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
4×10^0
3×10^0
2×10^0
10^0

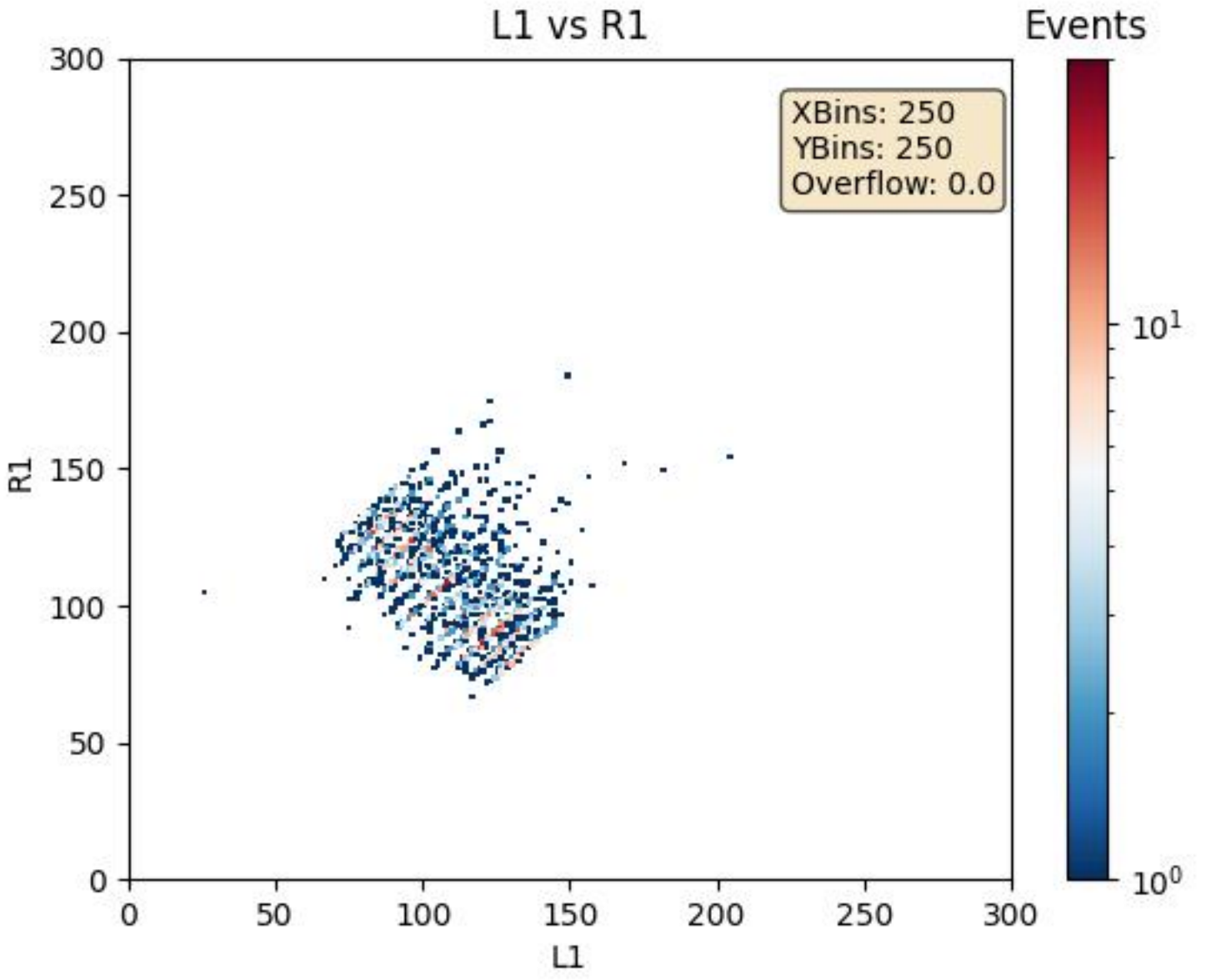

(High Binning) Asymmetry: L3 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 12.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
4×10^0
3×10^0
2×10^0
10^0

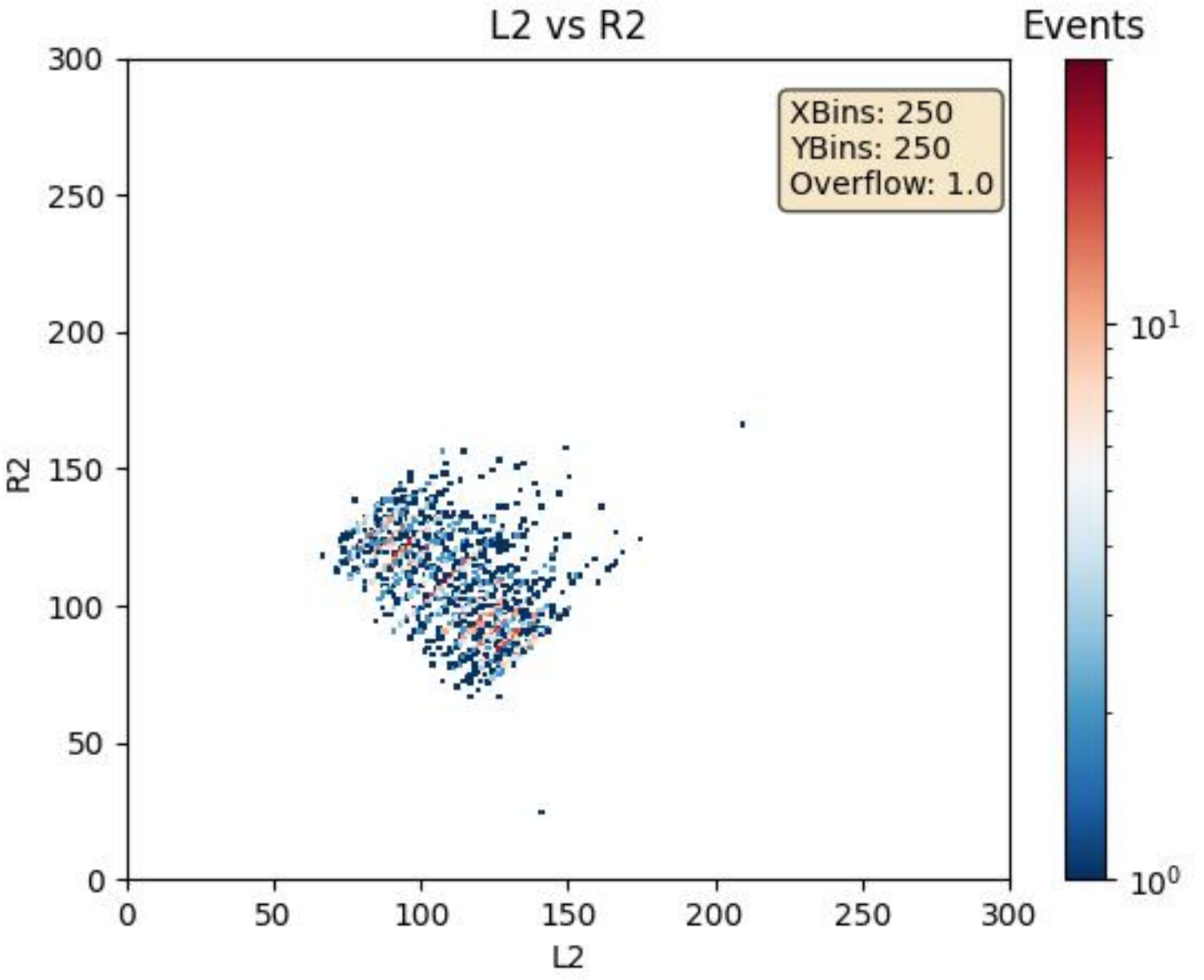

(High Binning) Asymmetry: L1 vs L3
Events
XBins: 1000
YBins: 1000
Overflow: 2.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
6×10^0
4×10^0
3×10^0
2×10^0
10^0

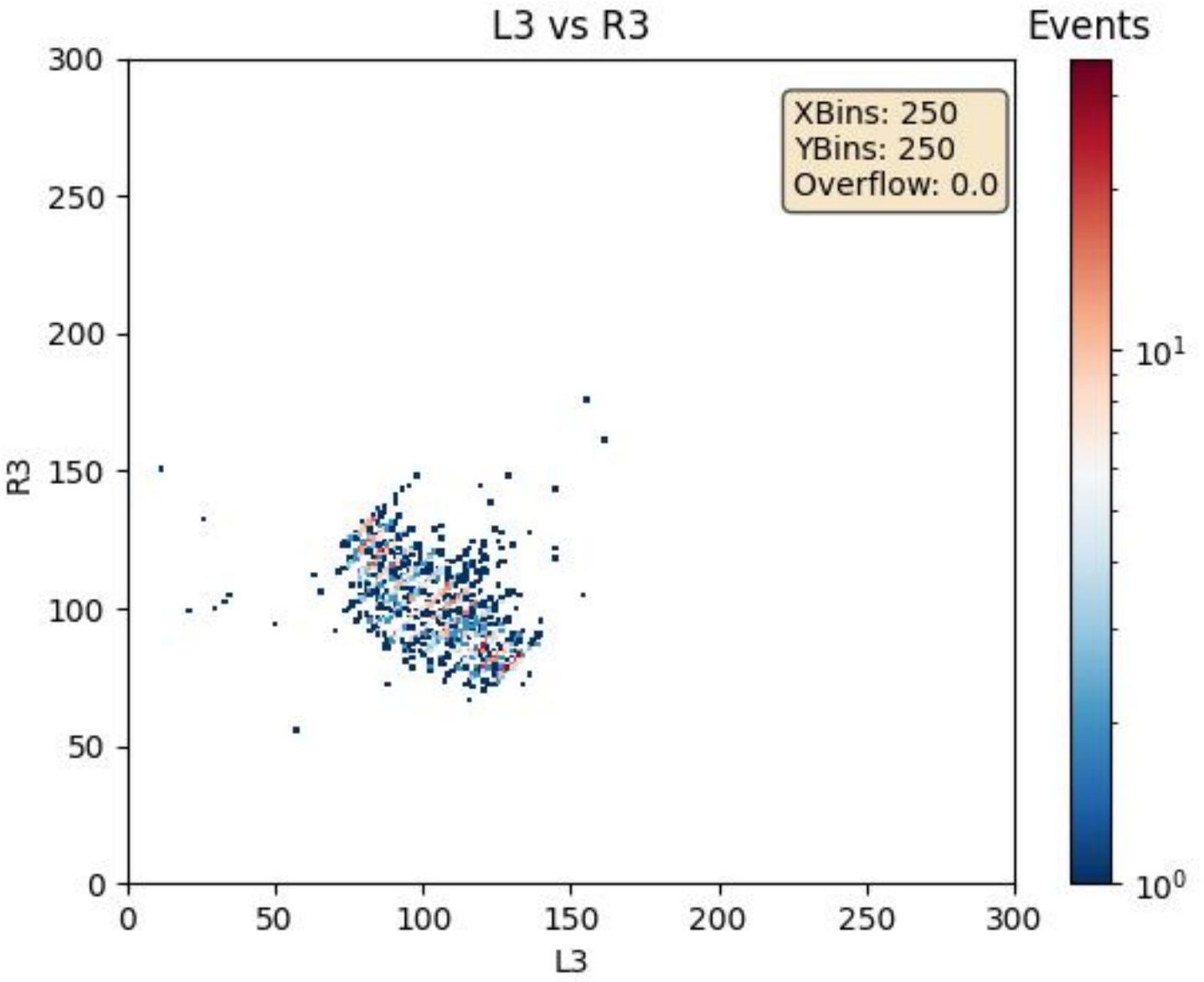

(High Binning) Asymmetry: L2 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 11.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
4×10^0
3×10^0
2×10^0
10^0

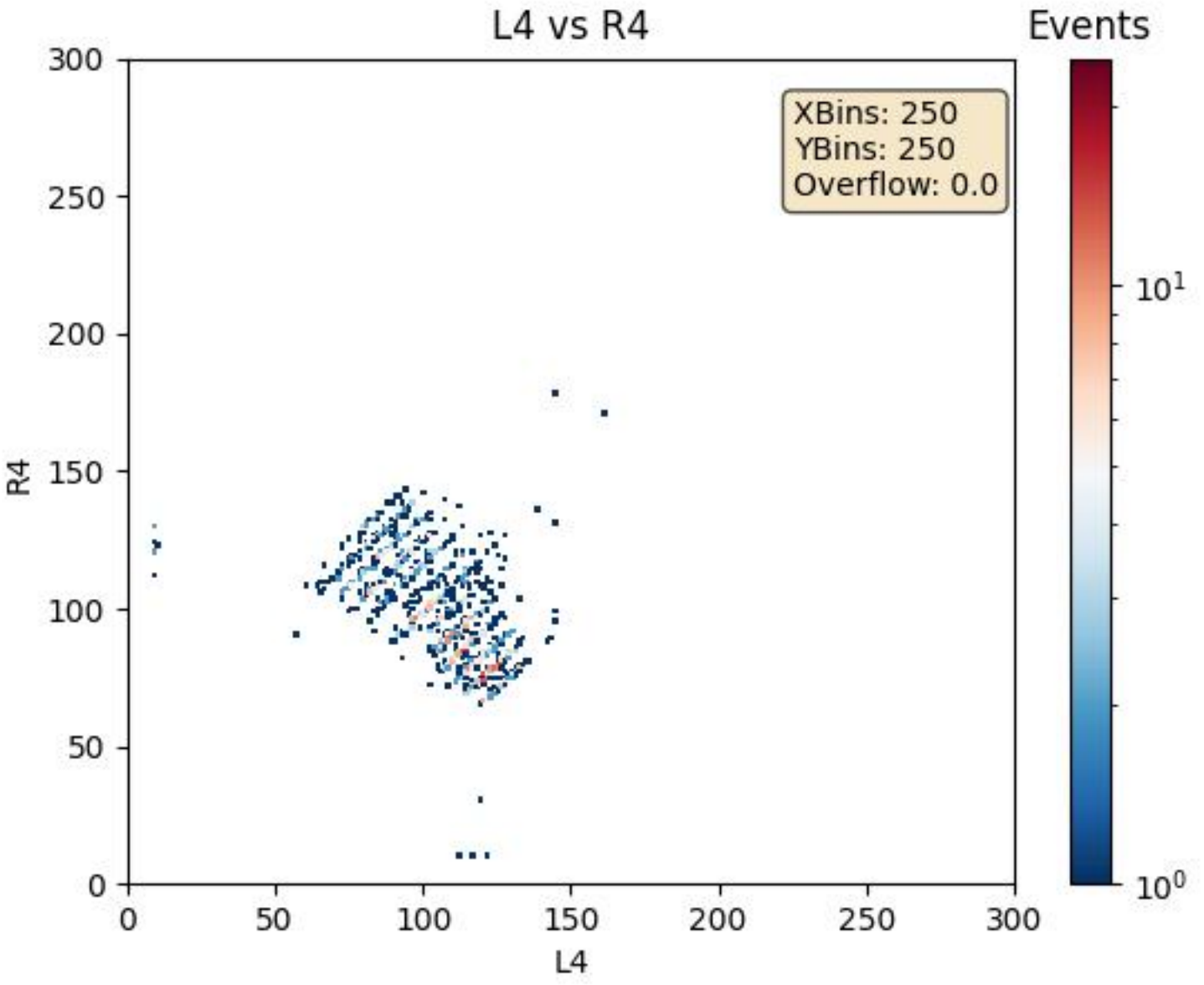

(High Binning) Asymmetry: L1 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 10.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
3×10^0
2×10^0
10^0

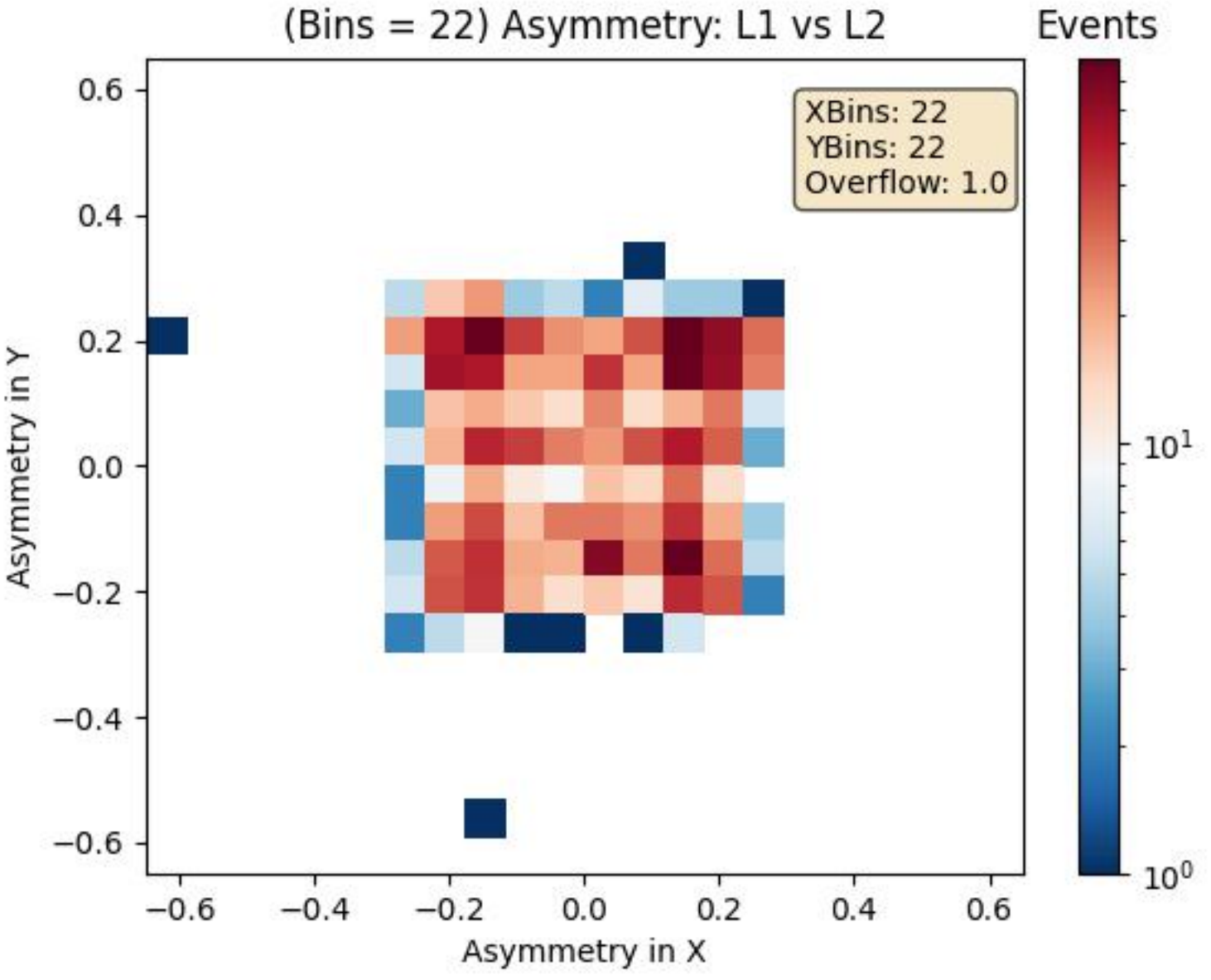

(High Binning) Asymmetry: L2 vs L3
Events
XBins: 1000
YBins: 1000
Overflow: 3.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
6×10^0
4×10^0
3×10^0
2×10^0
10^0

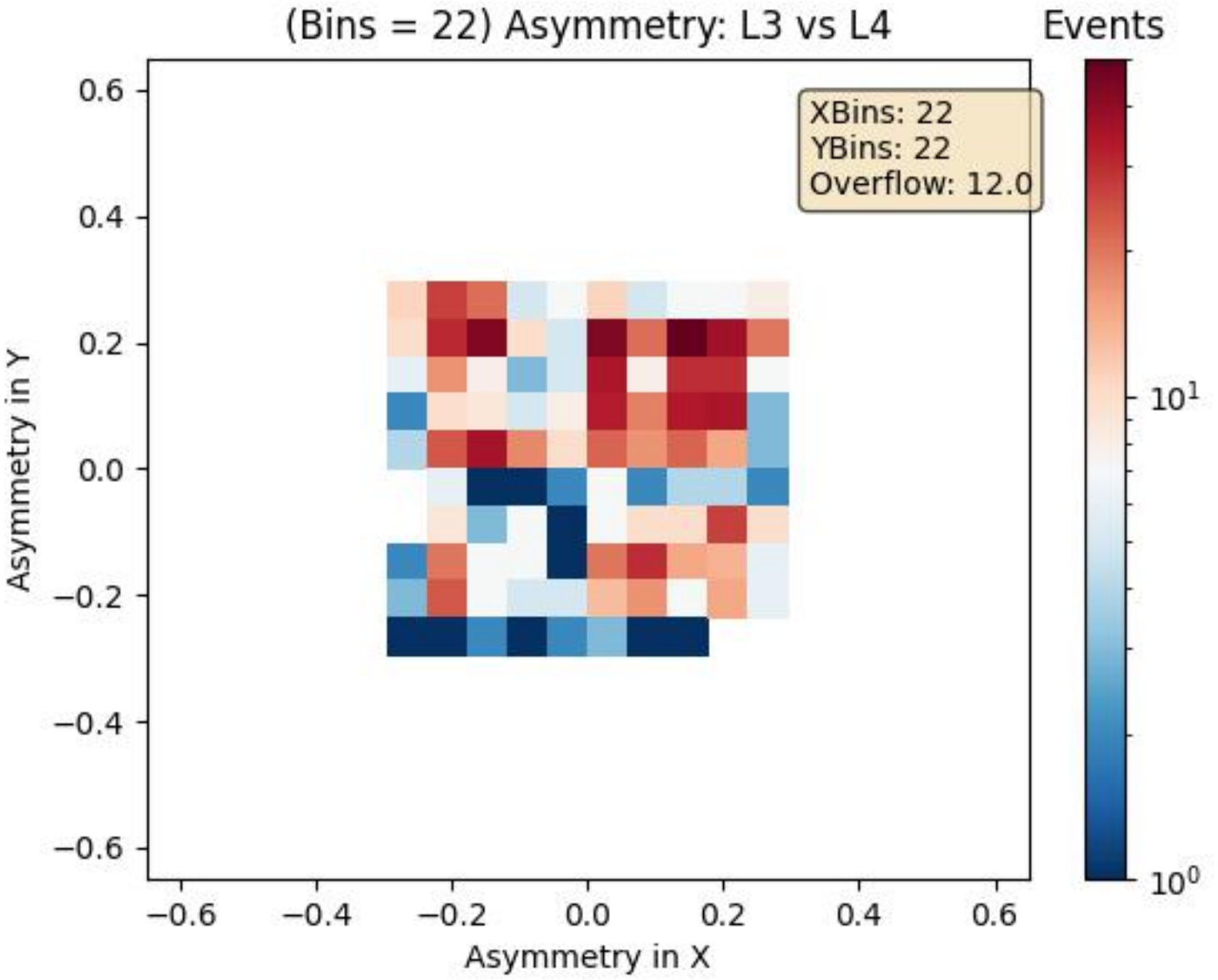

L1 vs R1
Events
XBins: 250
YBins: 250
Overflow: 0.0
R1
L1
0
50
100
150
200
250
300
10^1
10^0

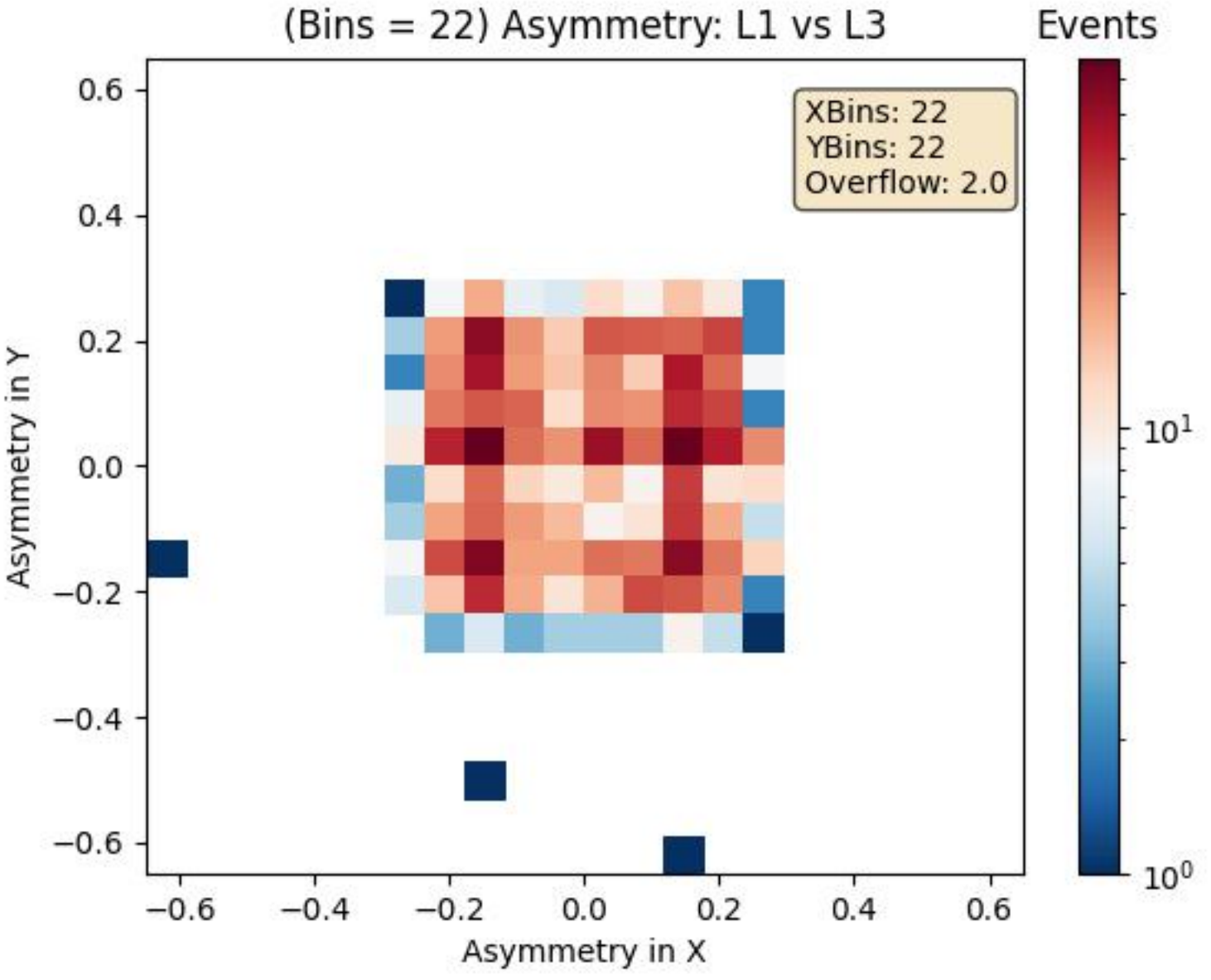

L2 vs R2
Events
XBins: 250
YBins: 250
Overflow: 1.0
R2
L2
0
50
100
150
200
250
300
10^1
10^0

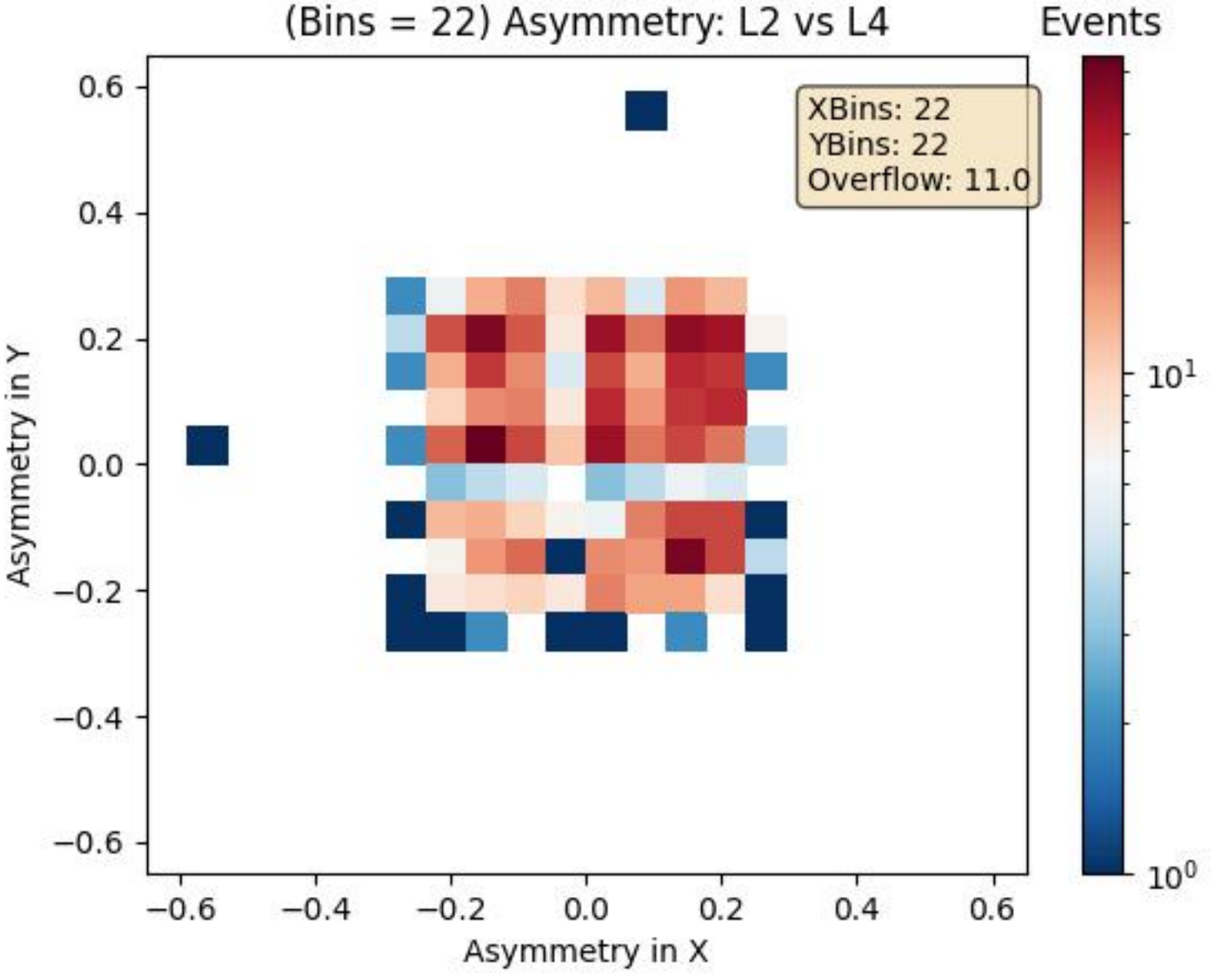

L3 vs R3
Events
XBins: 250
YBins: 250
Overflow: 0.0
R3
L3
0
50
100
150
200
250
300
10^1
10^0

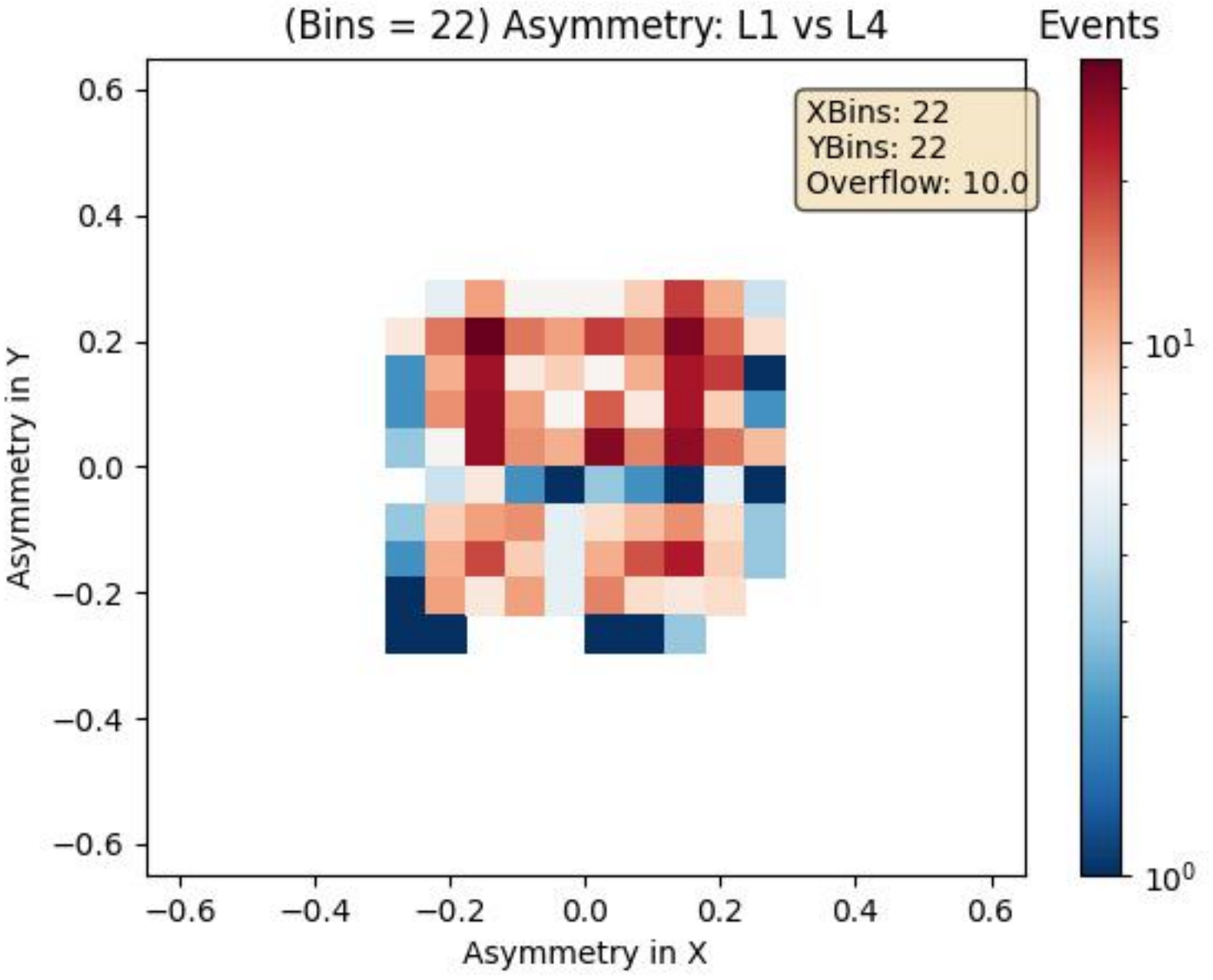

L4 vs R4
Events
XBins: 250
YBins: 250
Overflow: 0.0
R4
L4
0
50
100
150
200
250
300
10^1
10^0

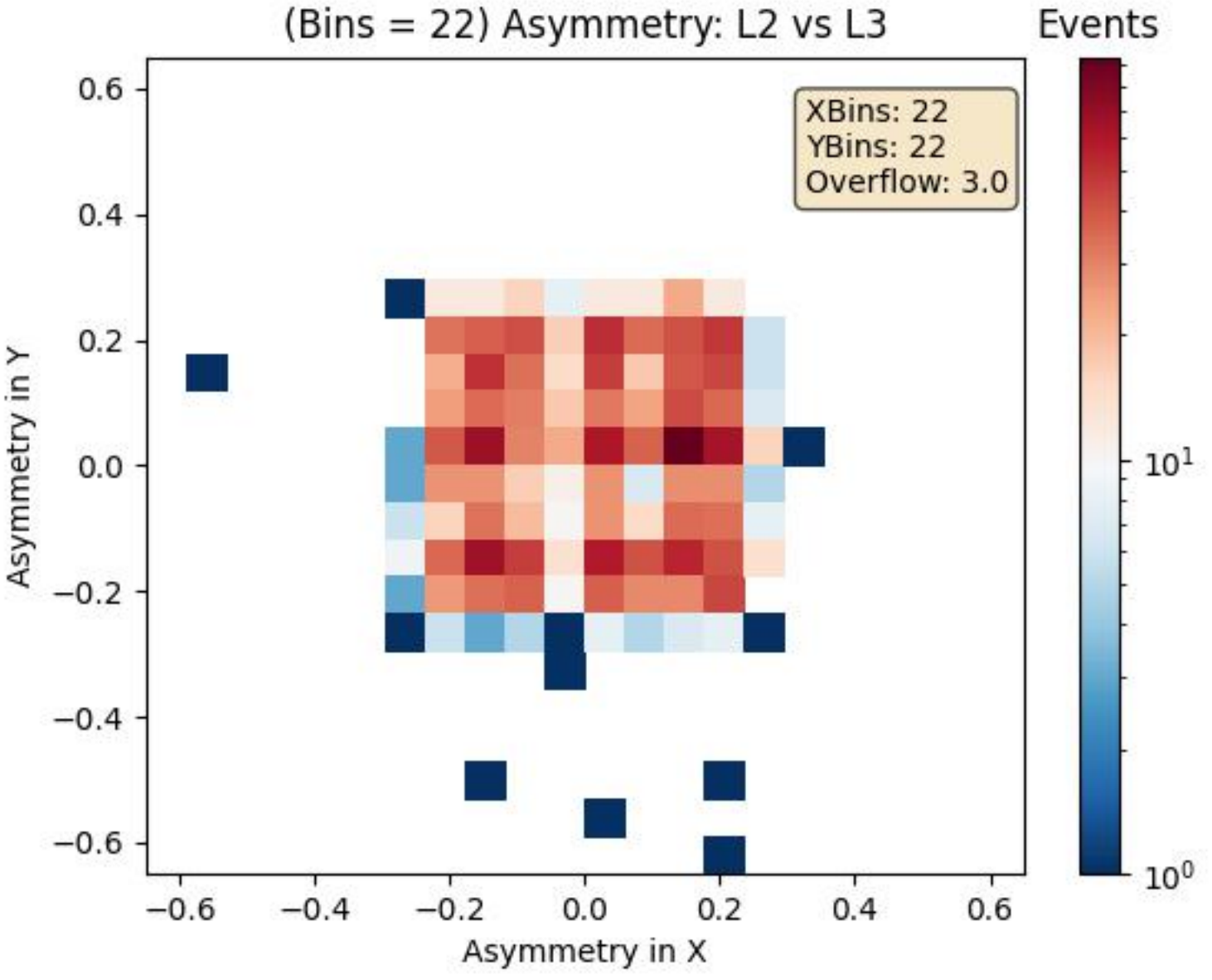

(Bins = 22) Asymmetry: L1 vs L2
Events
XBins: 22
YBins: 22
Overflow: 1.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0


(Bins = 22) Asymmetry: L3 vs L4
Events
XBins: 22
YBins: 22
Overflow: 12.0
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: 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
10^1
10^0


(Bins = 22) Asymmetry: L2 vs L4
Events
XBins: 22
YBins: 22
Overflow: 11.0
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: L1 vs L4
Events
XBins: 22
YBins: 22
Overflow: 10.0
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: 3.0
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