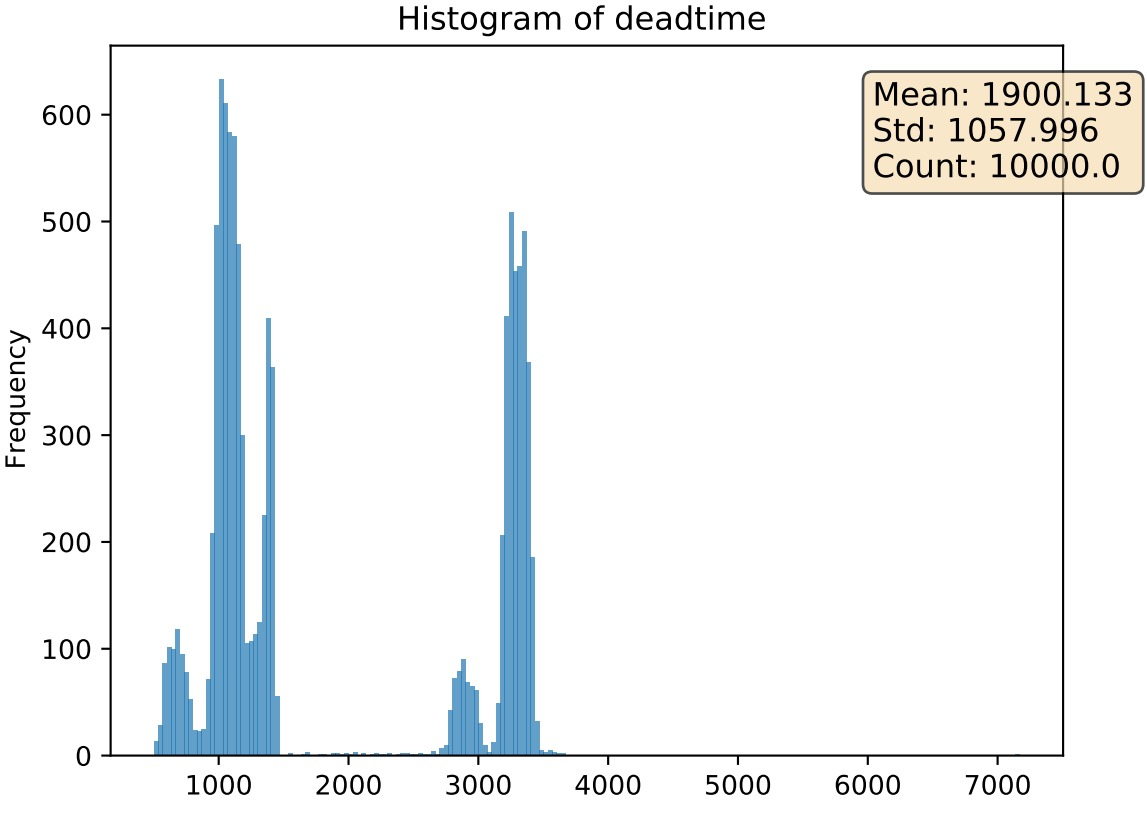
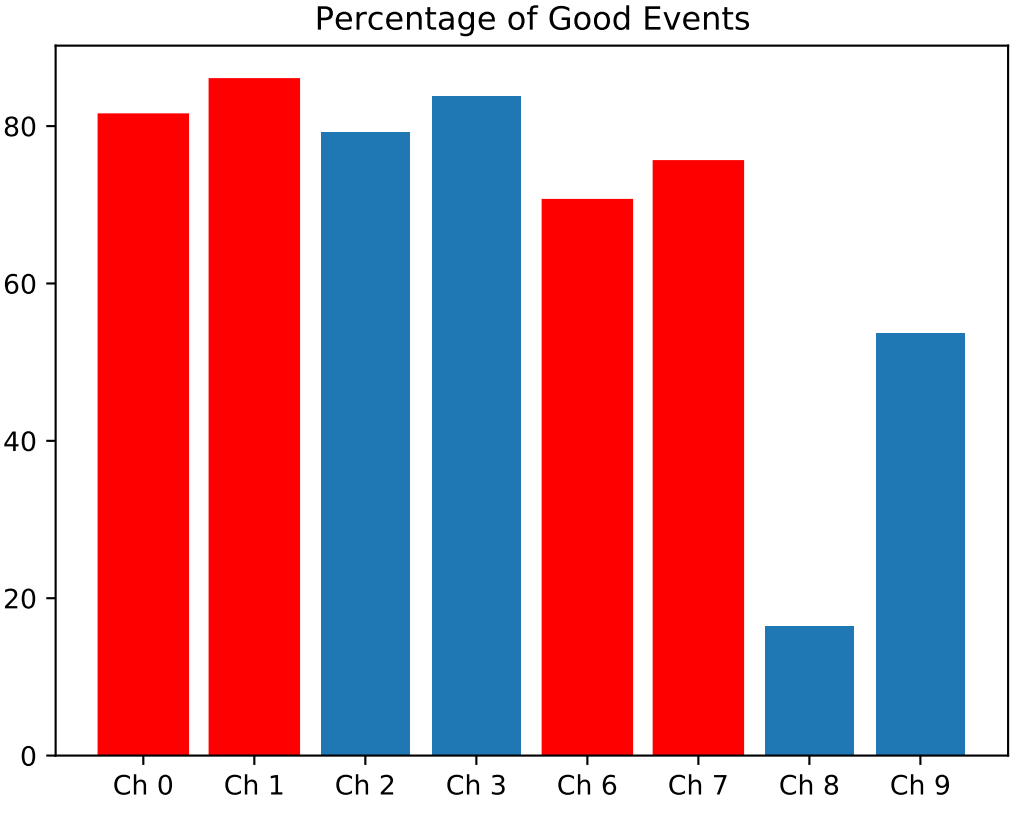
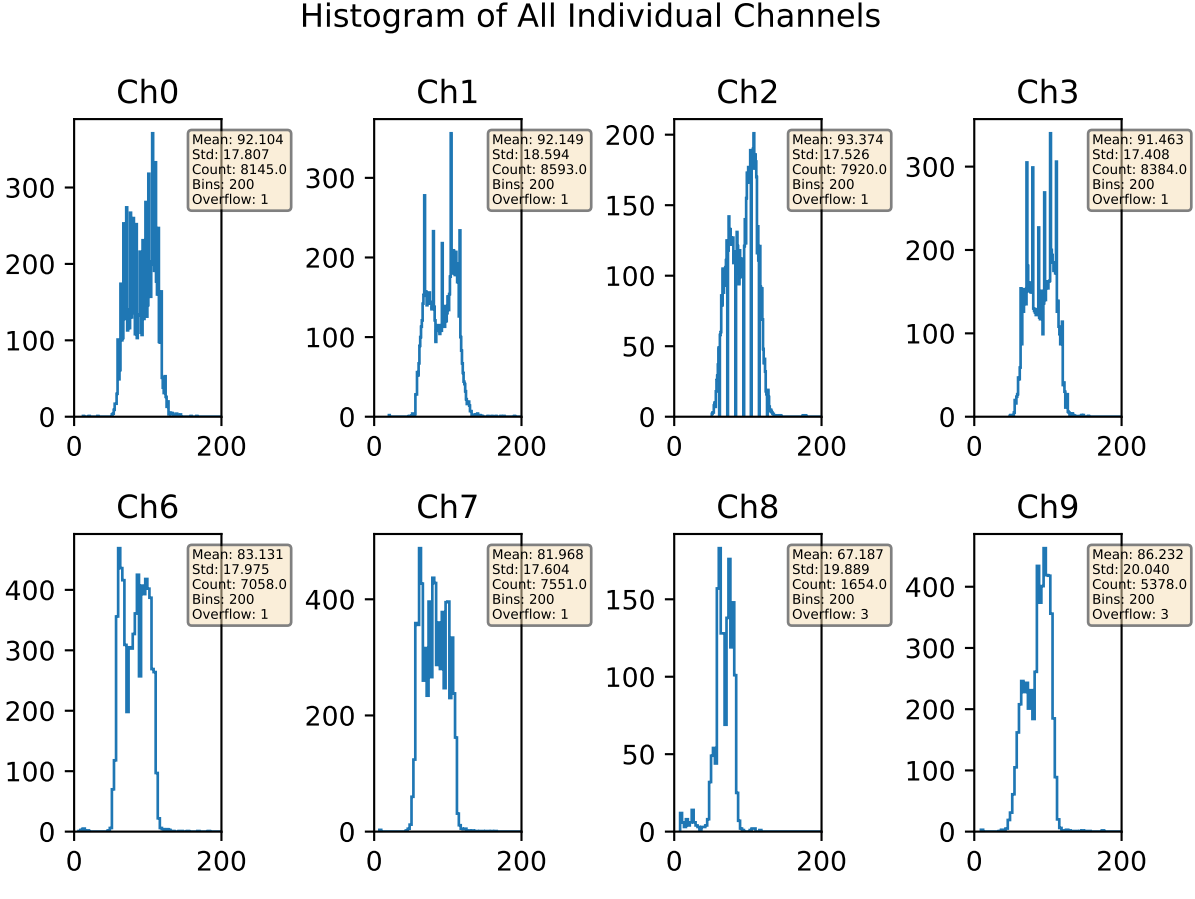
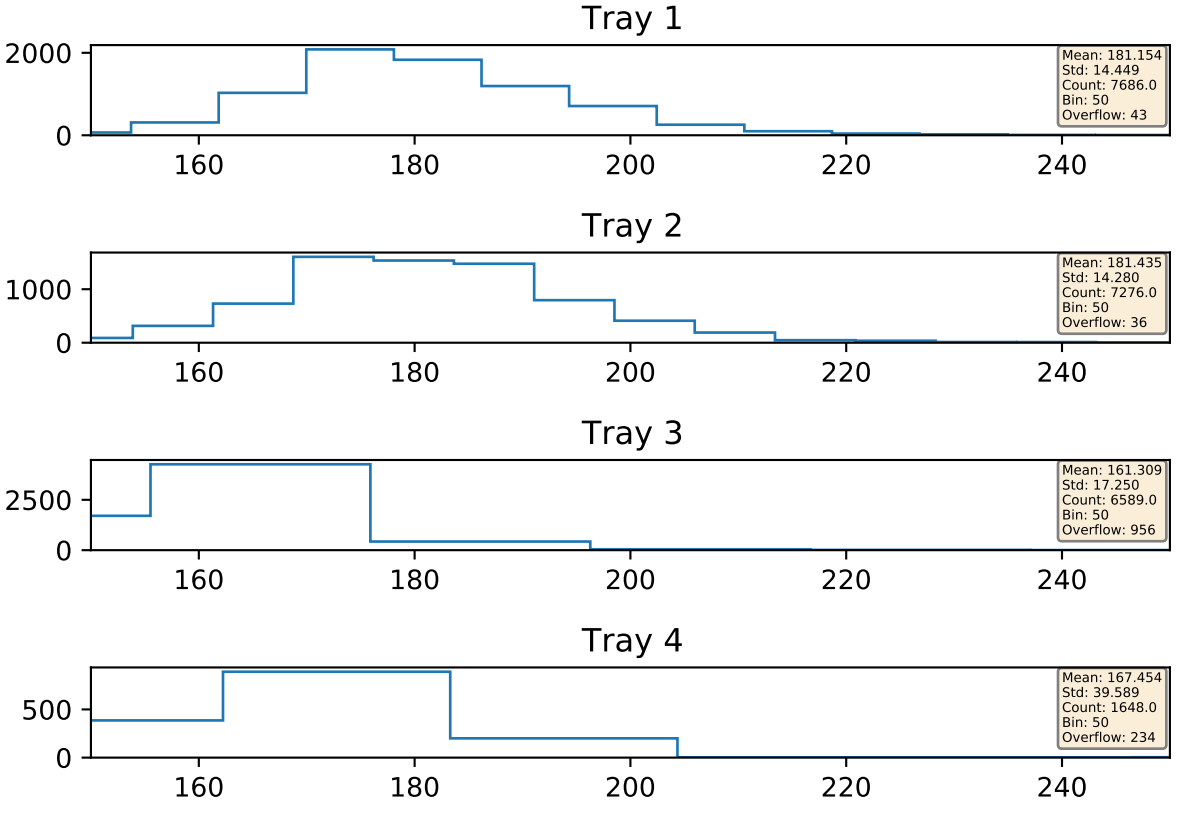
Analysis of Run: 27
Run Start: Dec 16 2020 18:07:17
Run End: Dec 16 2020 19:04:10

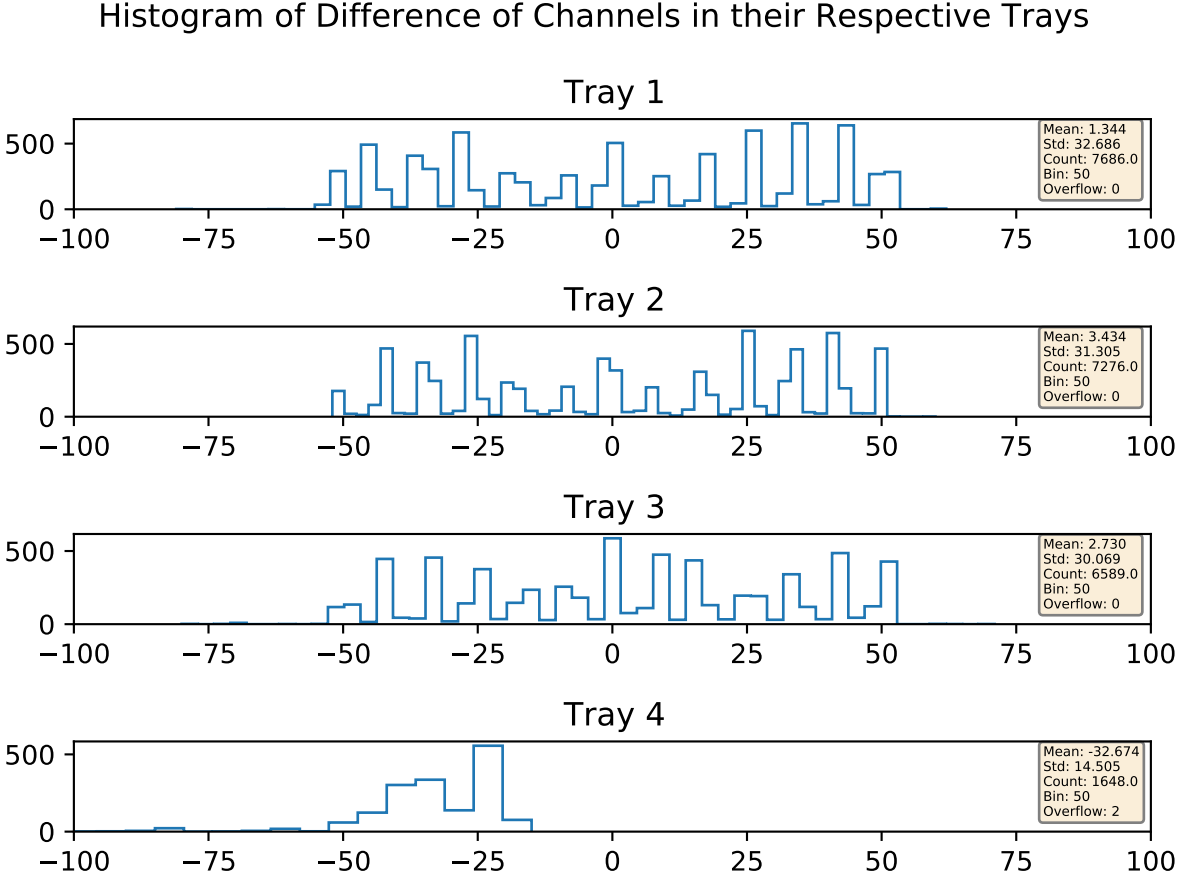
Report Generated at: Dec 16 2020 19:41:01

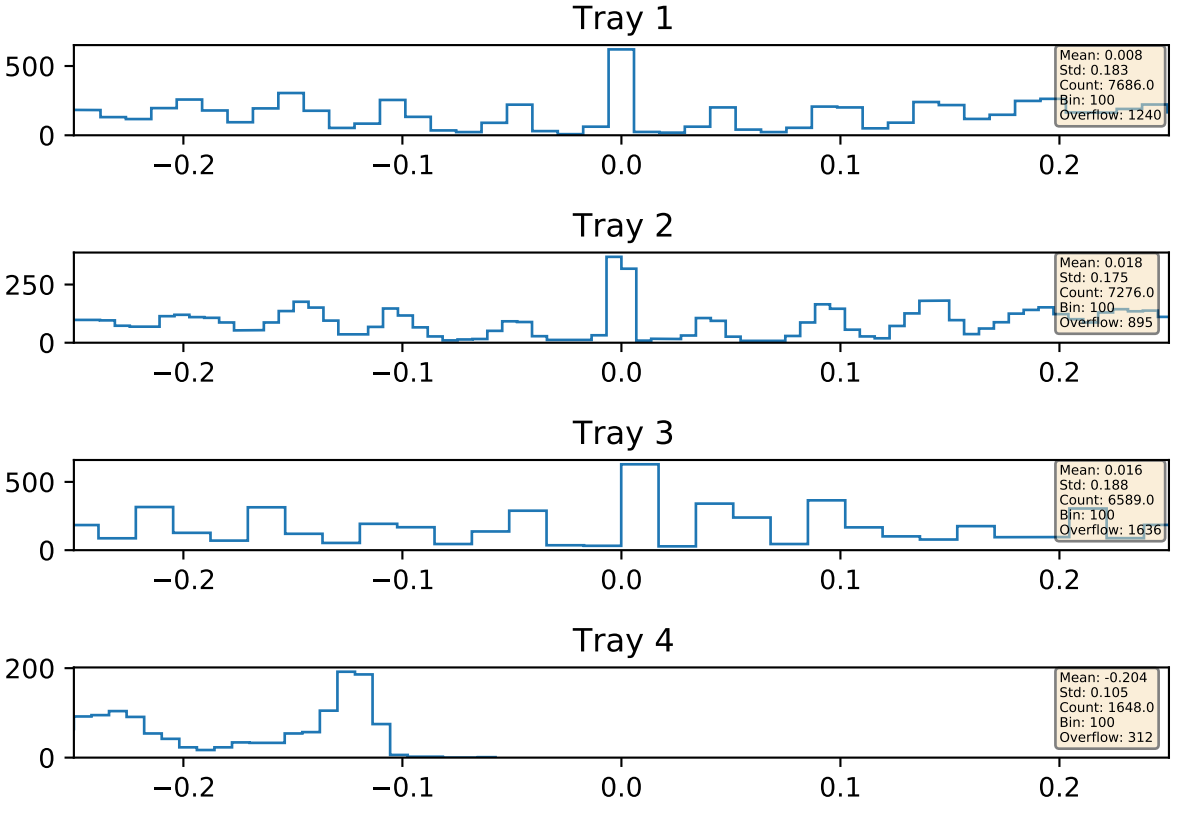

Histogram of deadtime
Mean: 1900.133
Std: 1057.996
Count: 10000.0
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
5000
6000
7000

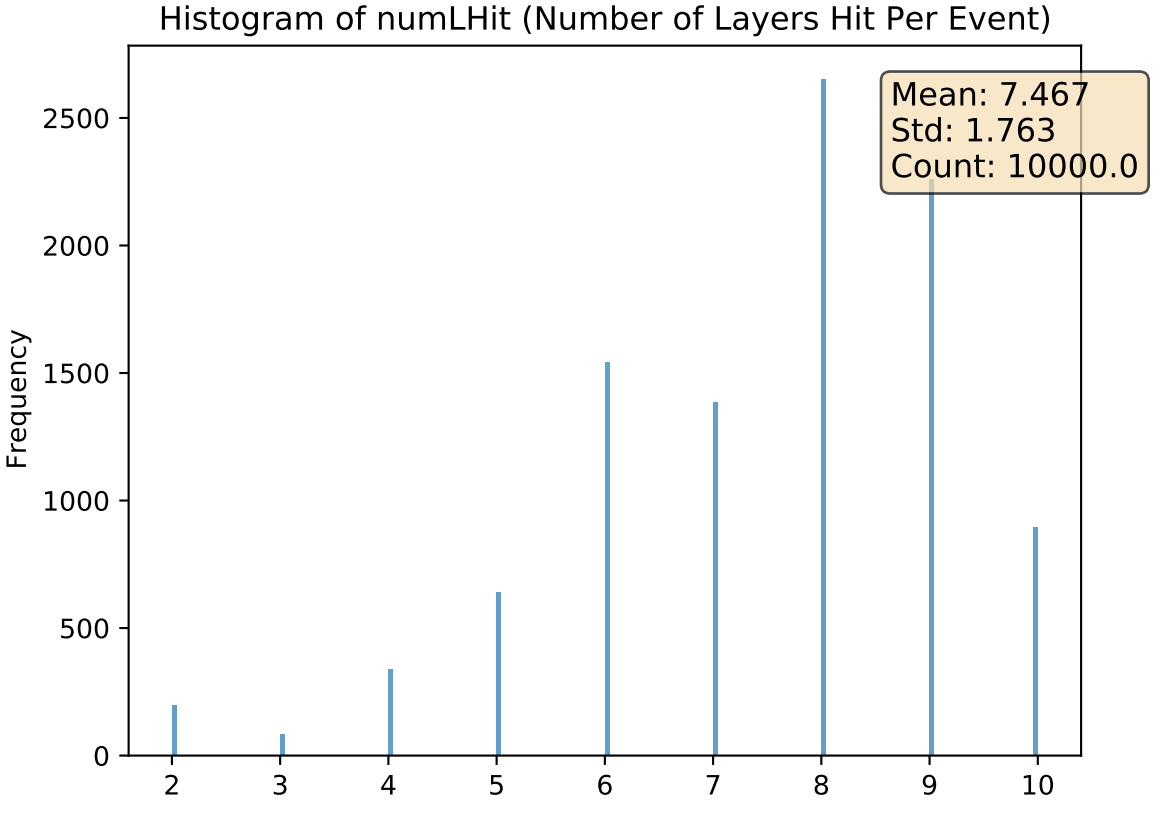

Percentage of Good Events
0
20
40
60
80
Ch 0
Ch 1
Ch 2
Ch 3
Ch 6
Ch 7
Ch 8
Ch 9

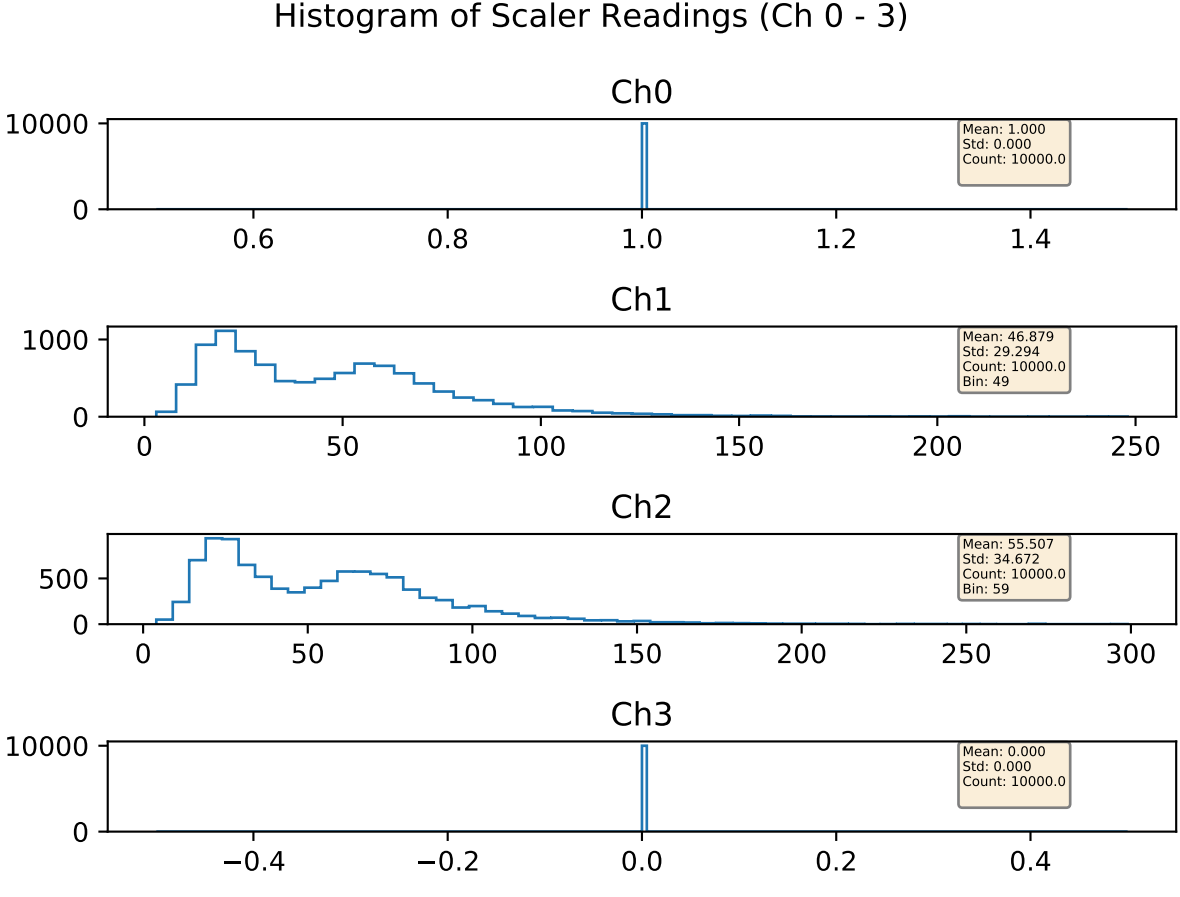

Histogram of All Individual Channels
Ch0
Mean: 92.104
Std: 17.807
Count: 8145.0
Bins: 200
Overflow: 1
Ch1
Mean: 92.149
Std: 18.594
Count: 8593.0
Bins: 200
Overflow: 1
Ch2
Mean: 93.374
Std: 17.526
Count: 7920.0
Bins: 200
Overflow: 1
Ch3
Mean: 91.463
Std: 17.408
Count: 8384.0
Bins: 200
Overflow: 1
Ch6
Mean: 83.131
Std: 17.975
Count: 7058.0
Bins: 200
Overflow: 1
Ch7
Mean: 81.968
Std: 17.604
Count: 7551.0
Bins: 200
Overflow: 1
Ch8
Mean: 67.187
Std: 19.889
Count: 1654.0
Bins: 200
Overflow: 3
Ch9
Mean: 86.232
Std: 20.040
Count: 5378.0
Bins: 200
Overflow: 3

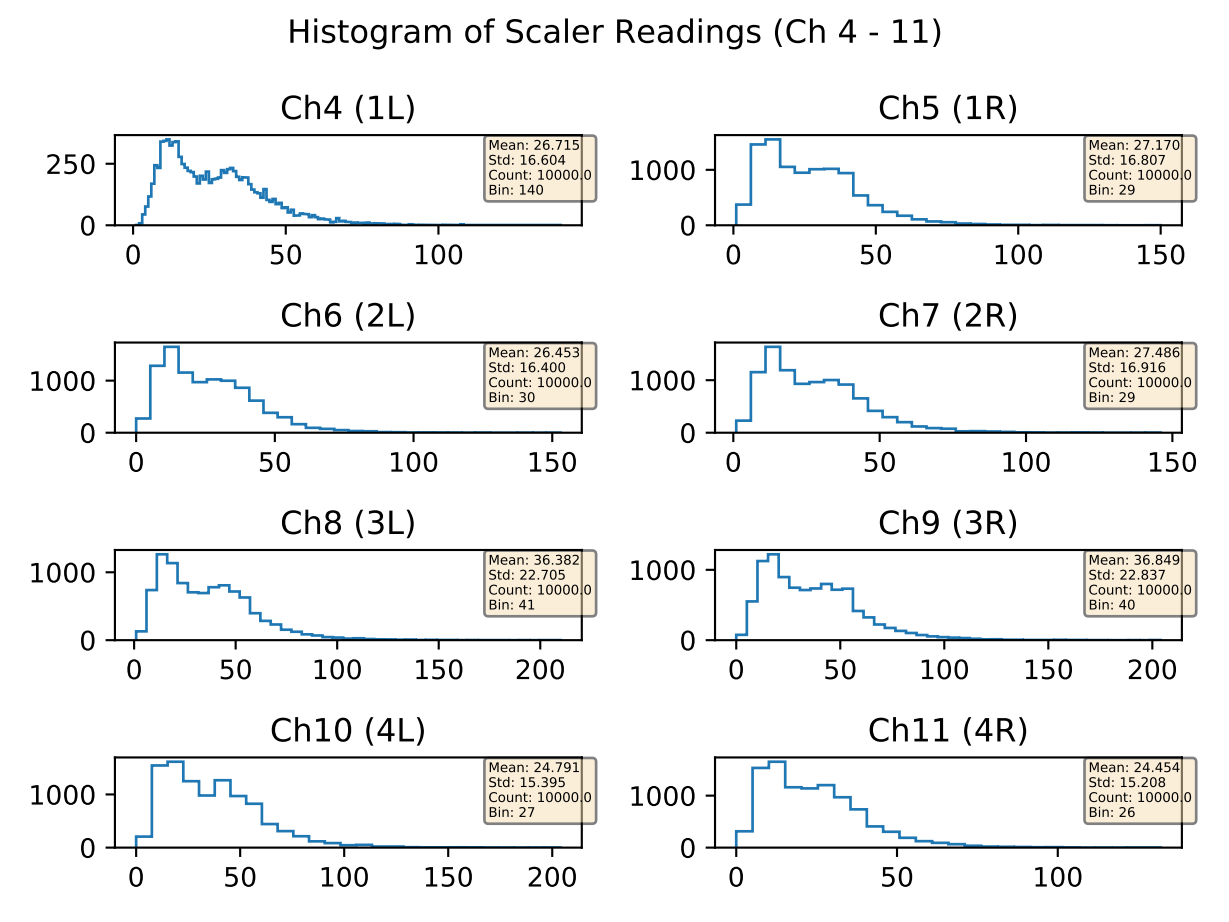

Histogram of Sum of Channels in their Respective Trays
Tray 1
2000
0
160
180
200
220
240
Mean: 181.154
Std: 14.449
Count: 7686.0
Bin: 50
Overflow: 43
Tray 2
1000
0
160
180
200
220
240
Mean: 181.435
Std: 14.280
Count: 7276.0
Bin: 50
Overflow: 36
Tray 3
2500
0
160
180
200
220
240
Mean: 161.309
Std: 17.250
Count: 6589.0
Bin: 50
Overflow: 956
Tray 4
500
0
160
180
200
220
240
Mean: 167.454
Std: 39.589
Count: 1648.0
Bin: 50
Overflow: 234

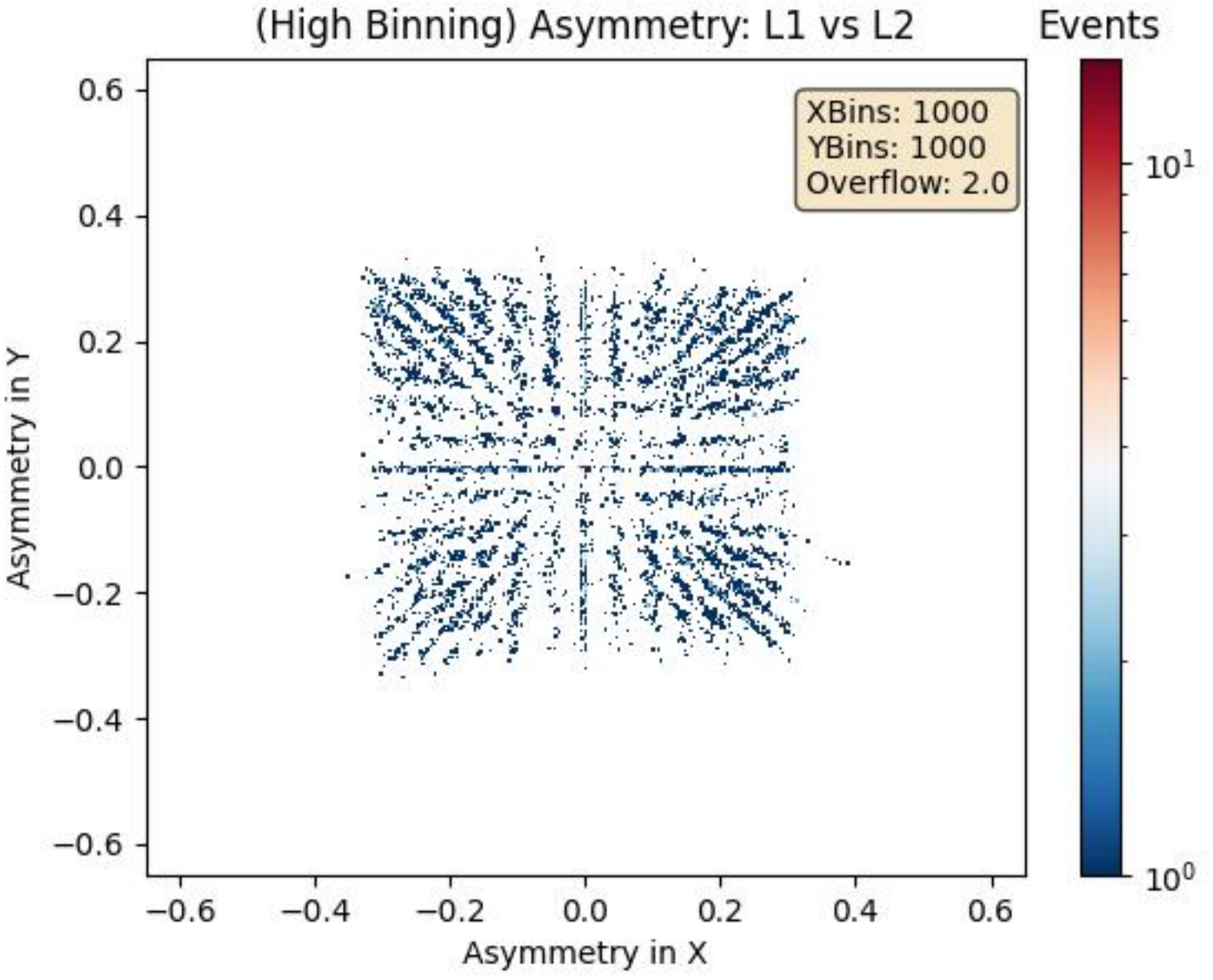

Histogram of Difference of Channels in their Respective Trays
Tray 1
Mean: 1.344
Std: 32.686
Count: 7686.0
Bin: 50
Overflow: 0
Tray 2
Mean: 3.434
Std: 31.305
Count: 7276.0
Bin: 50
Overflow: 0
Tray 3
Mean: 2.730
Std: 30.069
Count: 6589.0
Bin: 50
Overflow: 0
Tray 4
Mean: -32.674
Std: 14.505
Count: 1648.0
Bin: 50
Overflow: 2
500
0
−100
−75
−50
−25
0
25
50
75
100

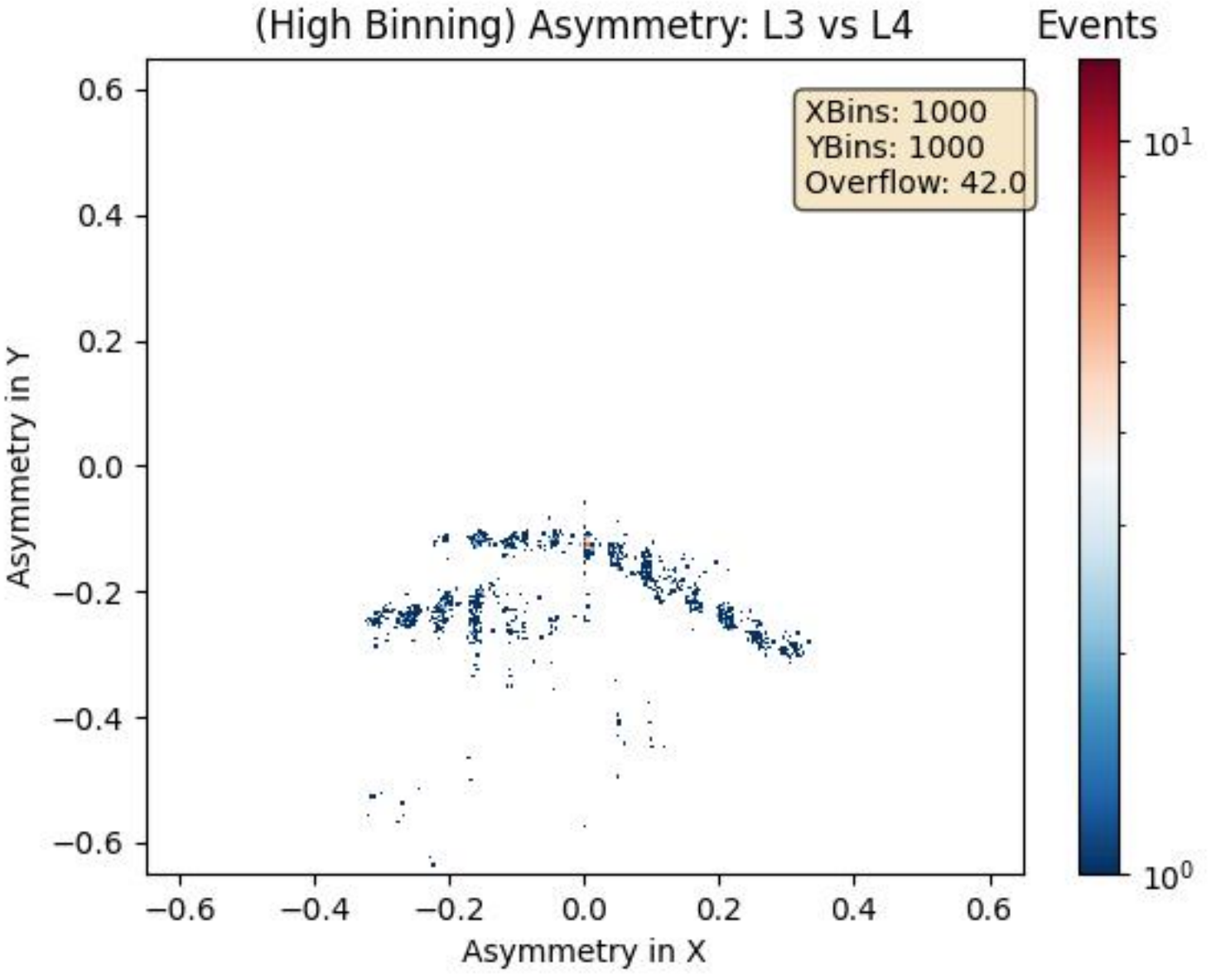

Histogram of Asymmetry of each Tray
Tray 1
Mean: 0.008
Std: 0.183
Count: 7686.0
Bin: 100
Overflow: 1240
Tray 2
Mean: 0.018
Std: 0.175
Count: 7276.0
Bin: 100
Overflow: 895
Tray 3
Mean: 0.016
Std: 0.188
Count: 6589.0
Bin: 100
Overflow: 1636
Tray 4
Mean: -0.204
Std: 0.105
Count: 1648.0
Bin: 100
Overflow: 312

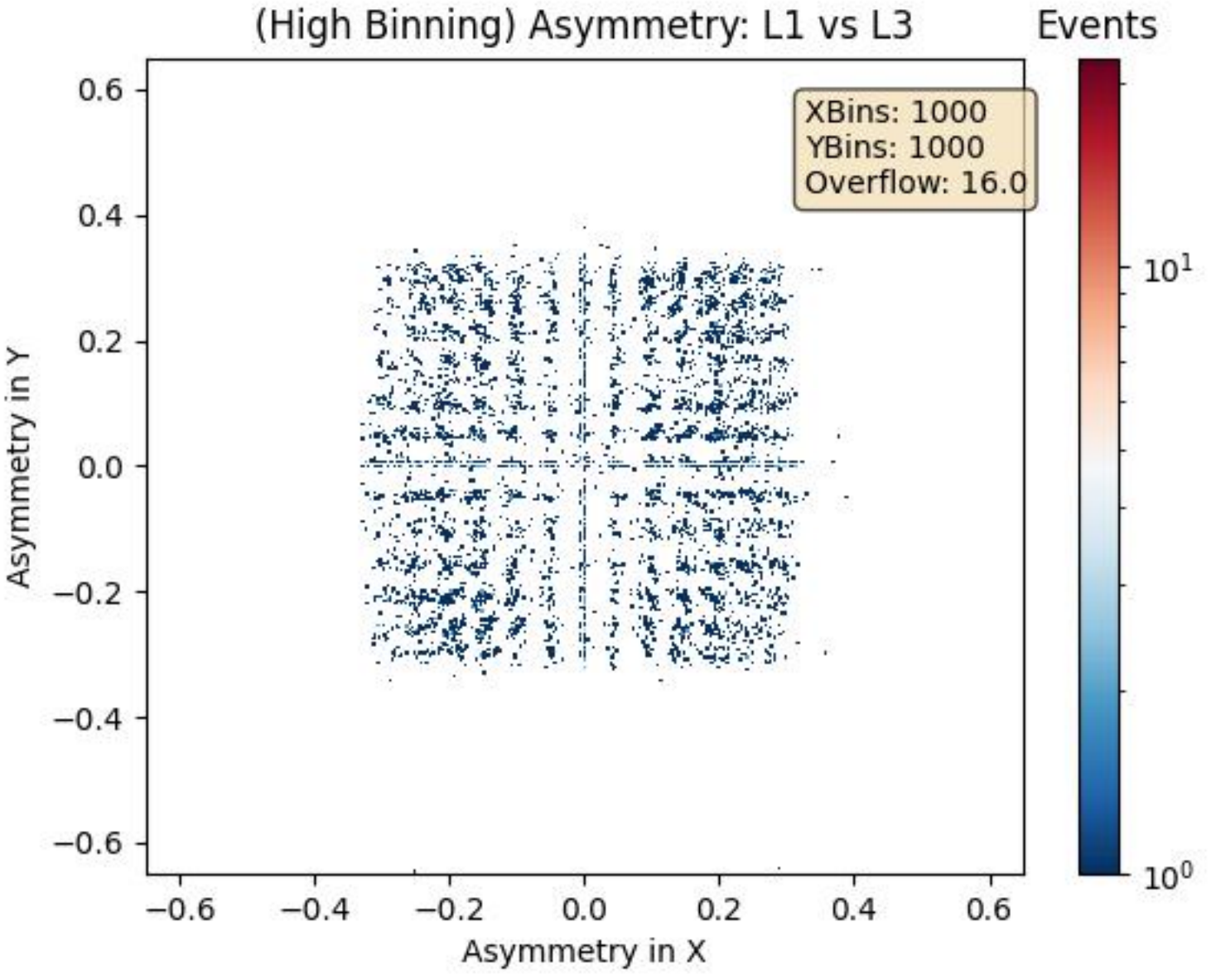

Histogram of numLHit (Number of Layers Hit Per Event)
Mean: 7.467
Std: 1.763
Count: 10000.0
Frequency
0
500
1000
1500
2000
2500
2
3
4
5
6
7
8
9
10

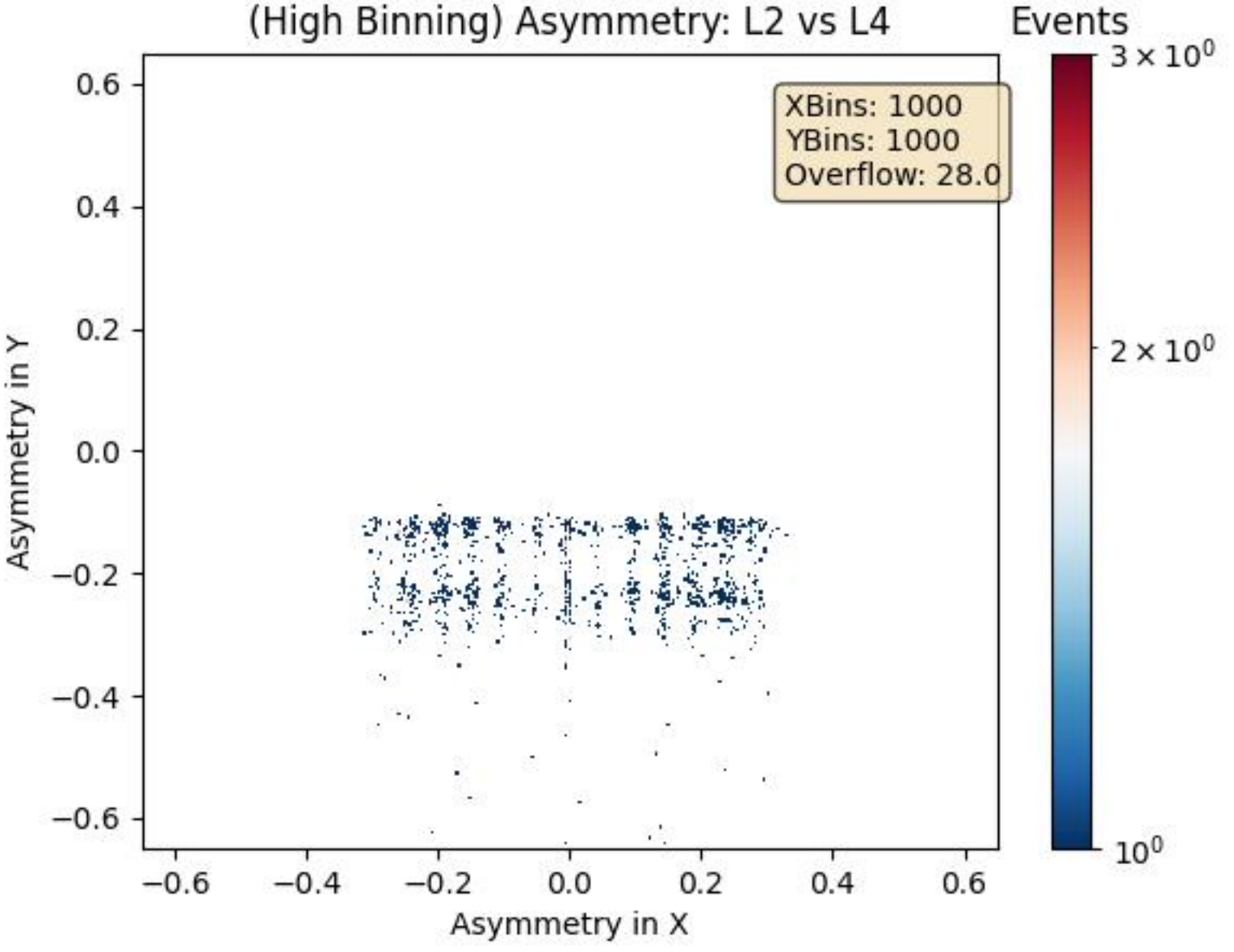

Histogram of Scaler Readings (Ch 0 - 3)
Ch0
Mean: 1.000
Std: 0.000
Count: 10000.0
10000
0
0.6
0.8
1.0
1.2
1.4
Ch1
Mean: 46.879
Std: 29.294
Count: 10000.0
Bin: 49
1000
0
0
50
100
150
200
250
Ch2
Mean: 55.507
Std: 34.672
Count: 10000.0
Bin: 59
500
0
0
50
100
150
200
250
300
Ch3
Mean: 0.000
Std: 0.000
Count: 10000.0
10000
0
−0.4
−0.2
0.0
0.2
0.4

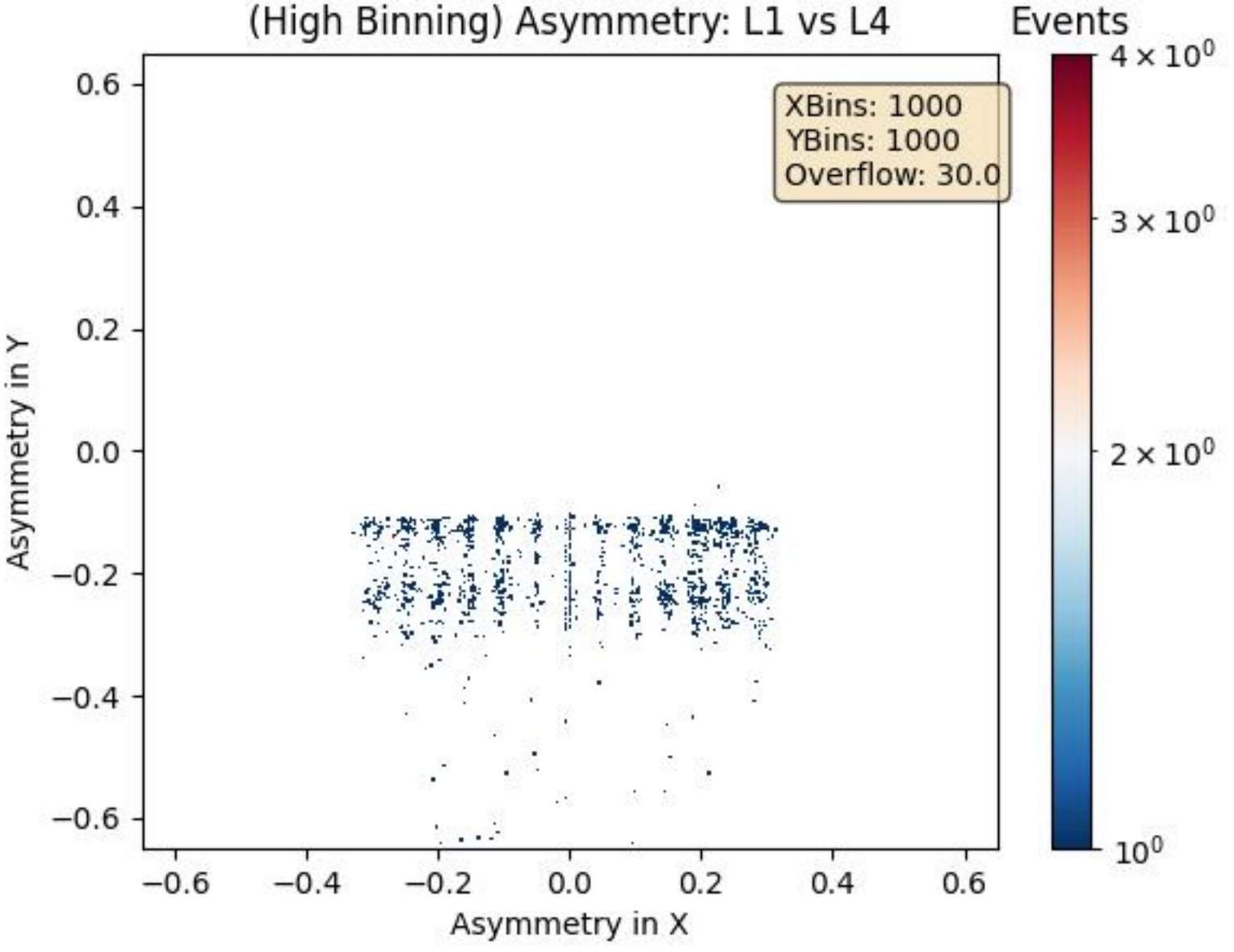

Histogram of Scaler Readings (Ch 4 - 11)
Ch4 (1L)
Mean: 26.715
Std: 16.604
Count: 10000.0
Bin: 140
Ch5 (1R)
Mean: 27.170
Std: 16.807
Count: 10000.0
Bin: 29
Ch6 (2L)
Mean: 26.453
Std: 16.400
Count: 10000.0
Bin: 30
Ch7 (2R)
Mean: 27.486
Std: 16.916
Count: 10000.0
Bin: 29
Ch8 (3L)
Mean: 36.382
Std: 22.705
Count: 10000.0
Bin: 41
Ch9 (3R)
Mean: 36.849
Std: 22.837
Count: 10000.0
Bin: 40
Ch10 (4L)
Mean: 24.791
Std: 15.395
Count: 10000.0
Bin: 27
Ch11 (4R)
Mean: 24.454
Std: 15.208
Count: 10000.0
Bin: 26

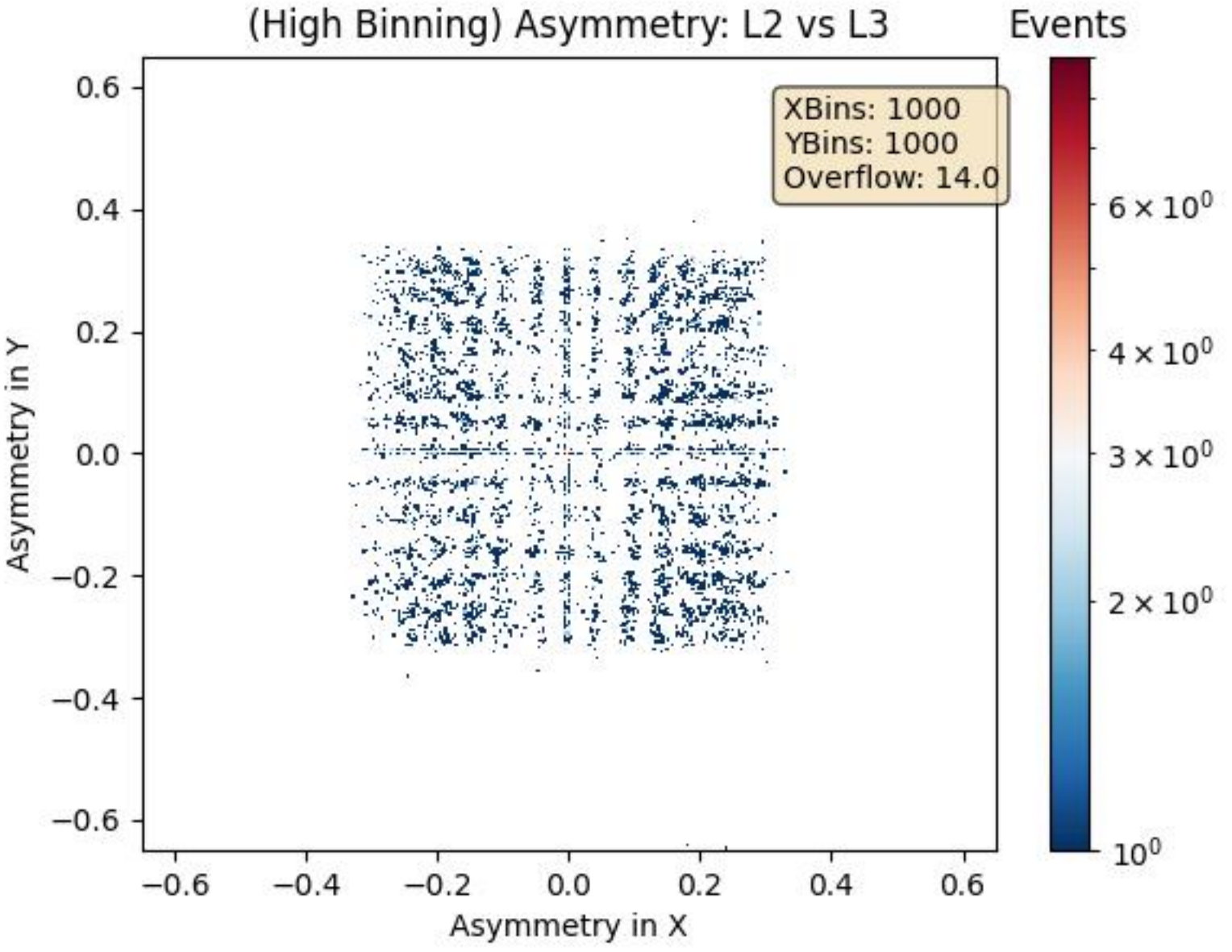

(High Binning) Asymmetry: L1 vs L2
Events
XBins: 1000
YBins: 1000
Overflow: 2.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0

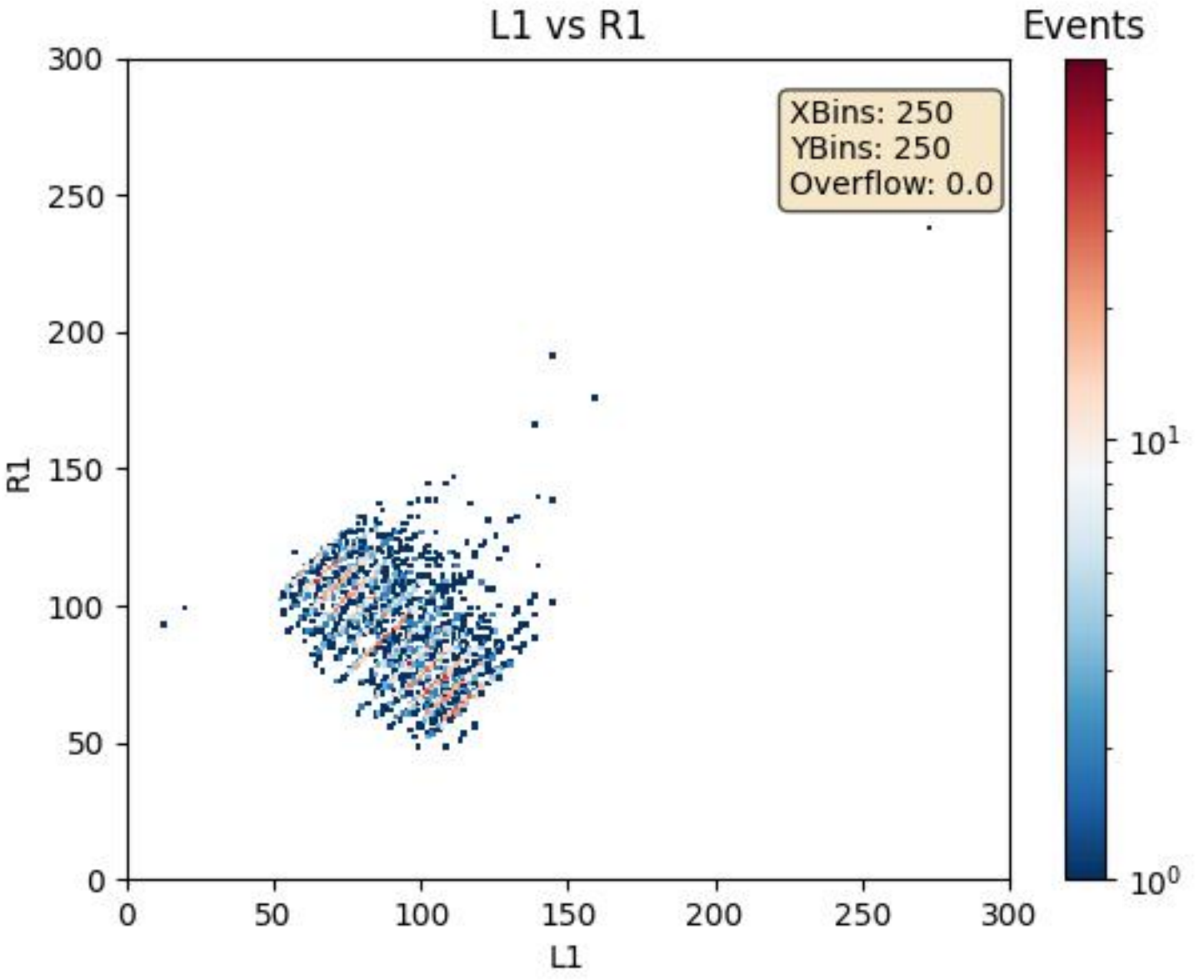

(High Binning) Asymmetry: L3 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 42.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0

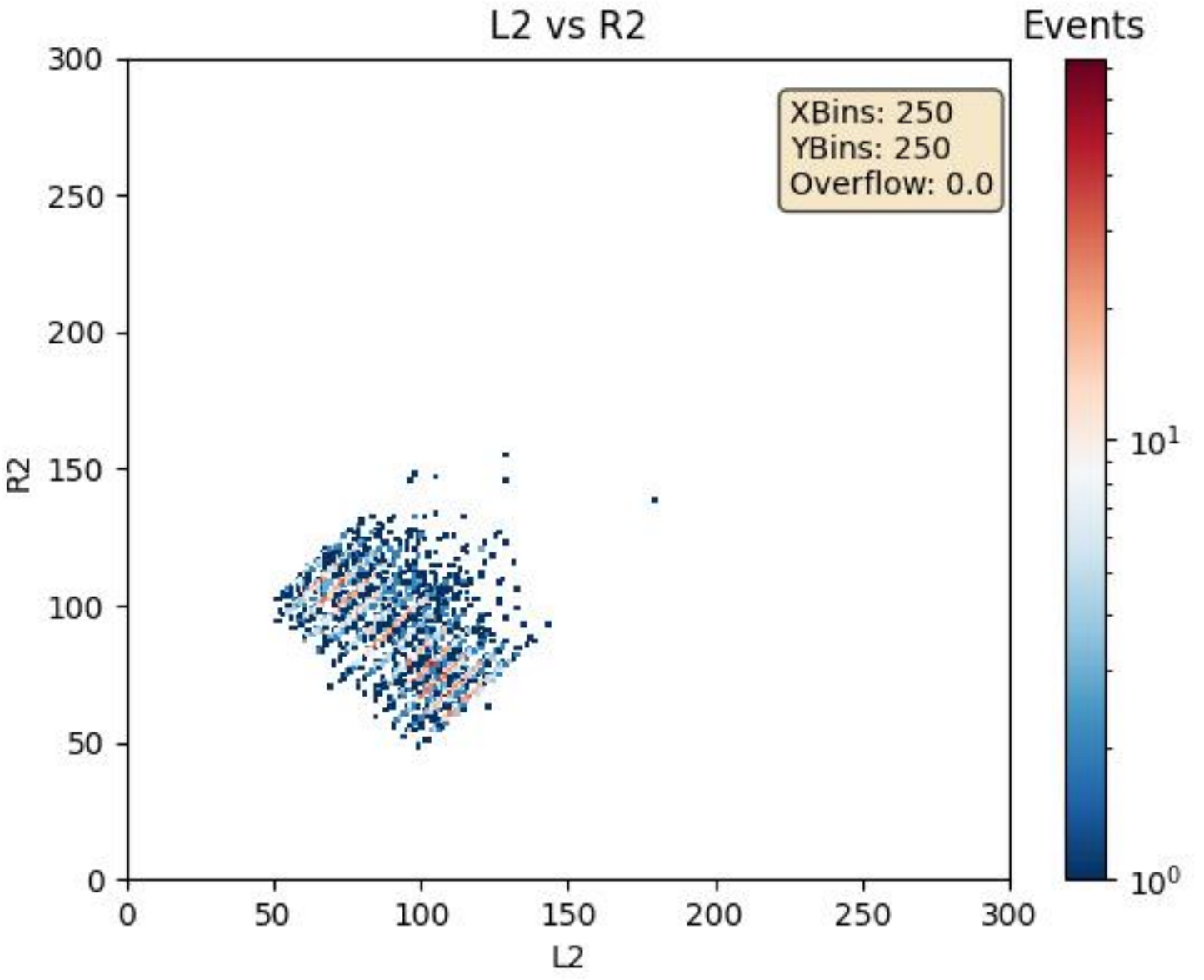

(High Binning) Asymmetry: L1 vs L3
Events
XBins: 1000
YBins: 1000
Overflow: 16.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0

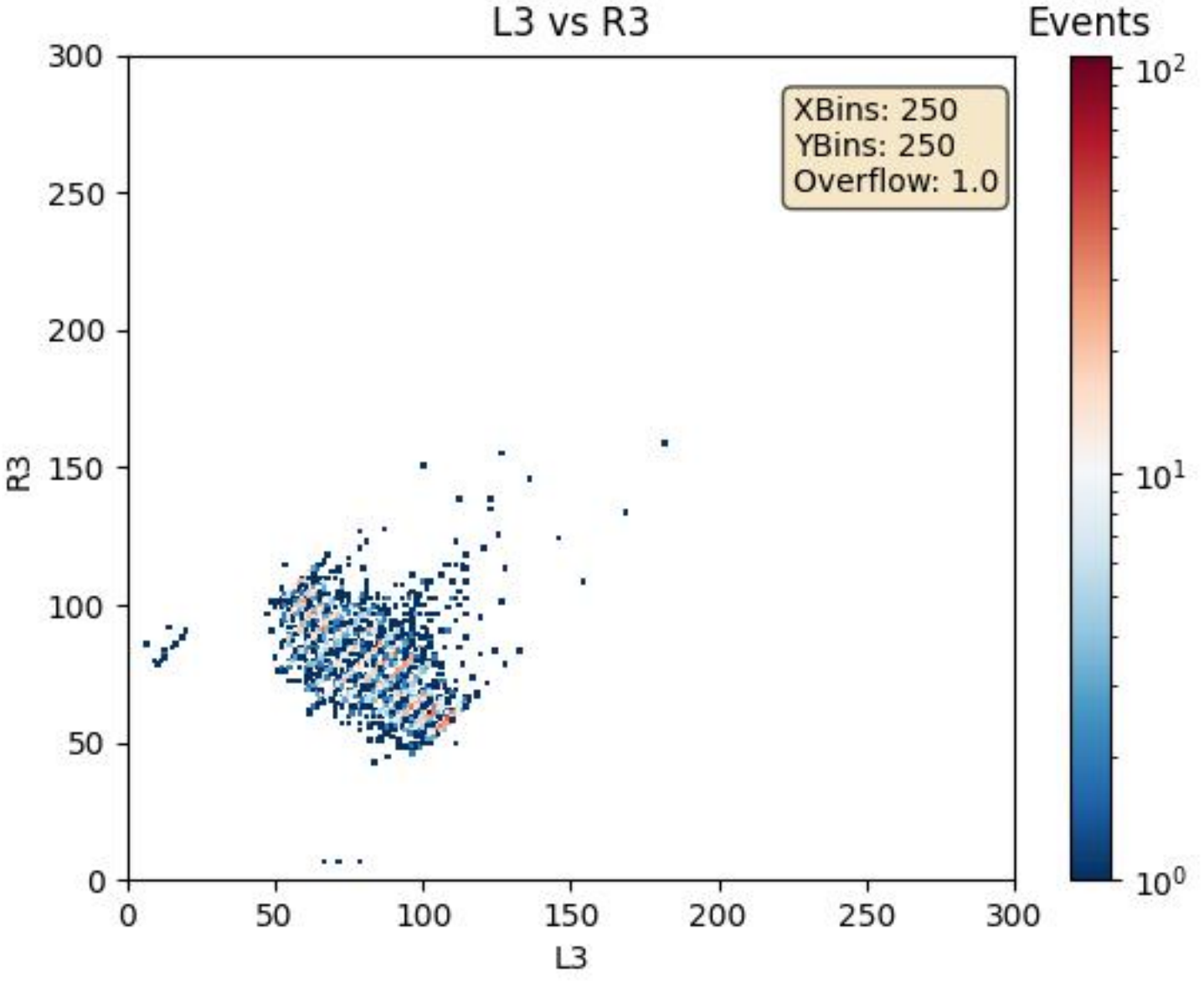

(High Binning) Asymmetry: L2 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 28.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
3×10^0
2×10^0
10^0

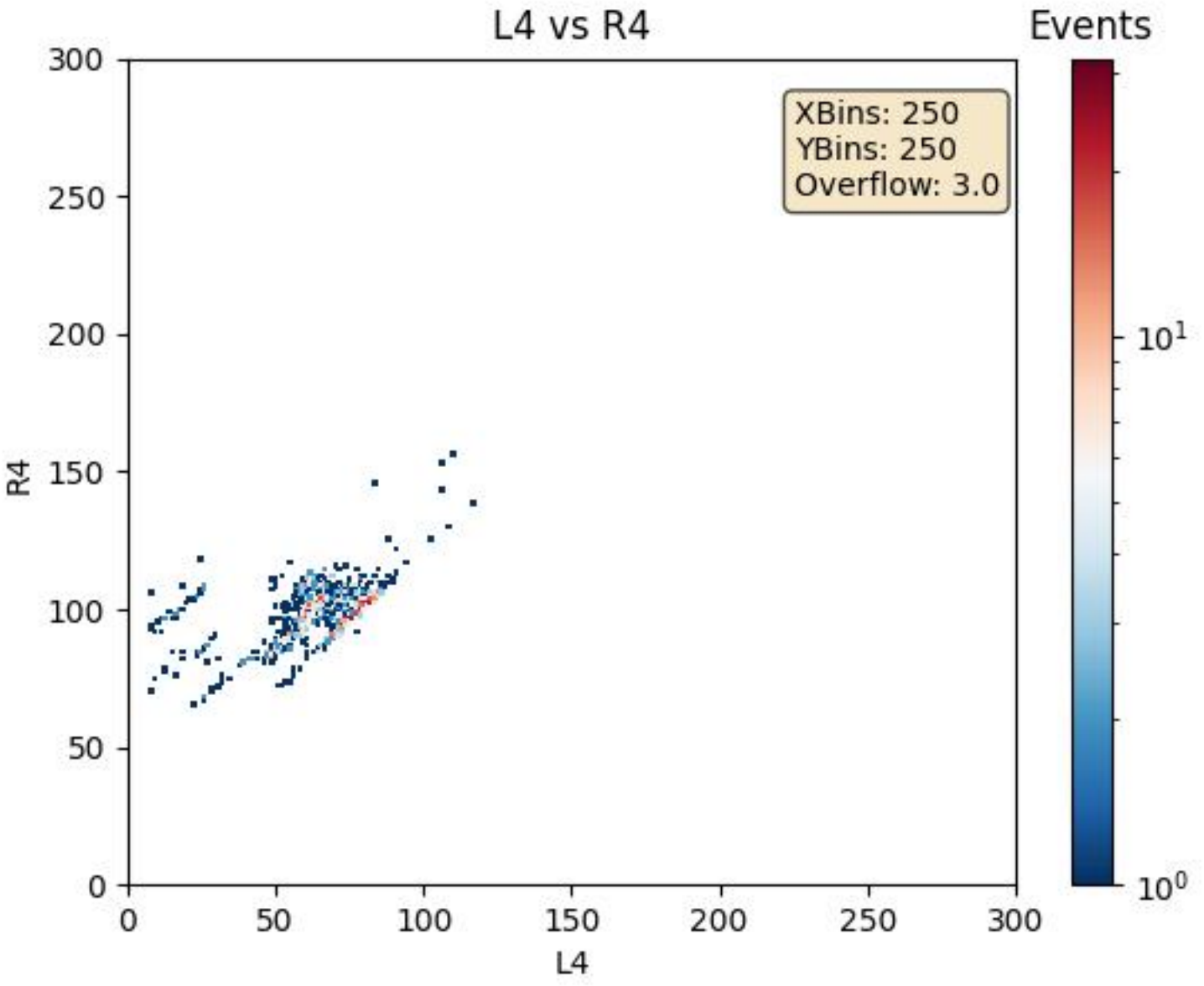

(High Binning) Asymmetry: L1 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 30.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
4×10^0
3×10^0
2×10^0
10^0

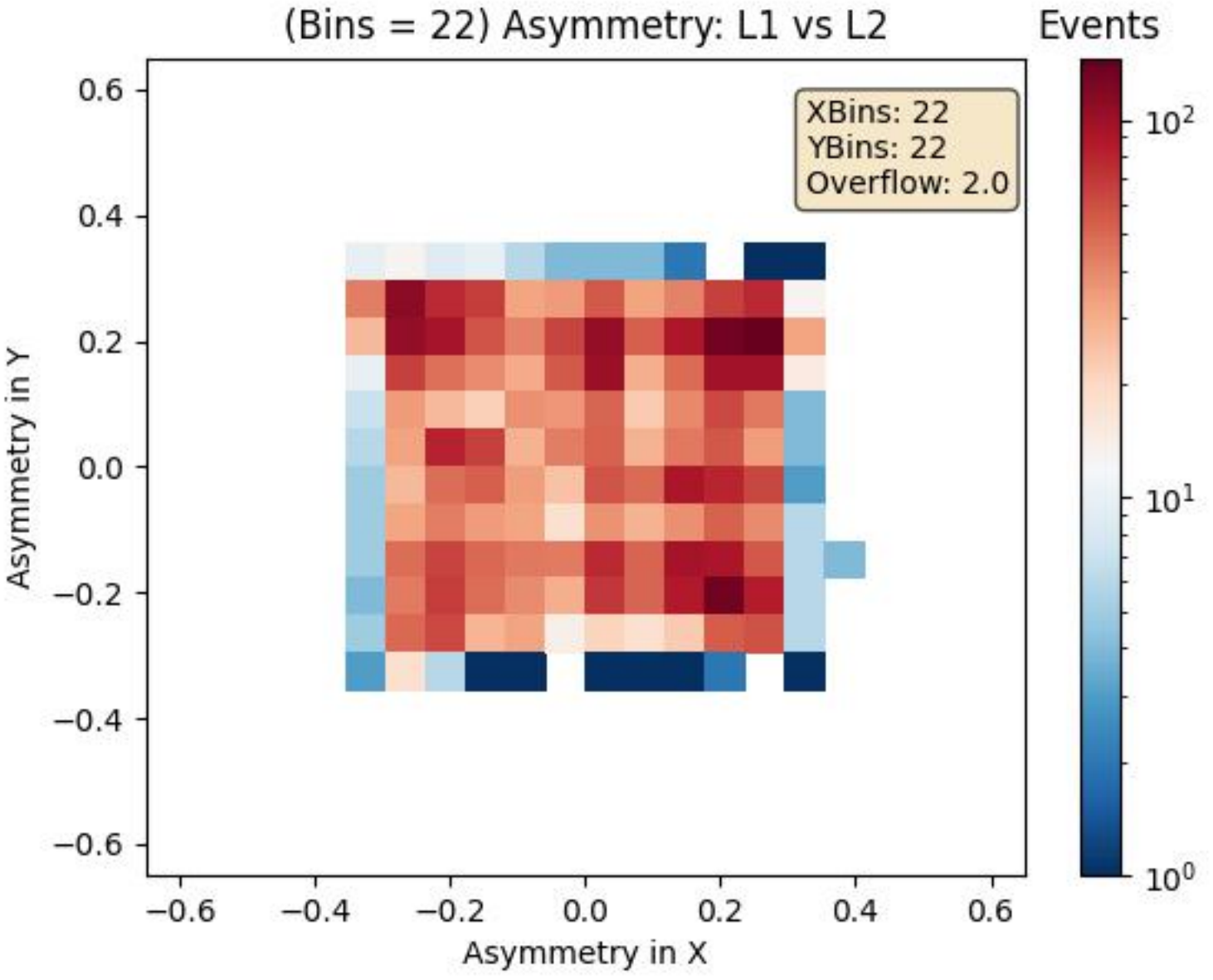

(High Binning) Asymmetry: L2 vs L3
Events
XBins: 1000
YBins: 1000
Overflow: 14.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
6×10^0
4×10^0
3×10^0
2×10^0
10^0

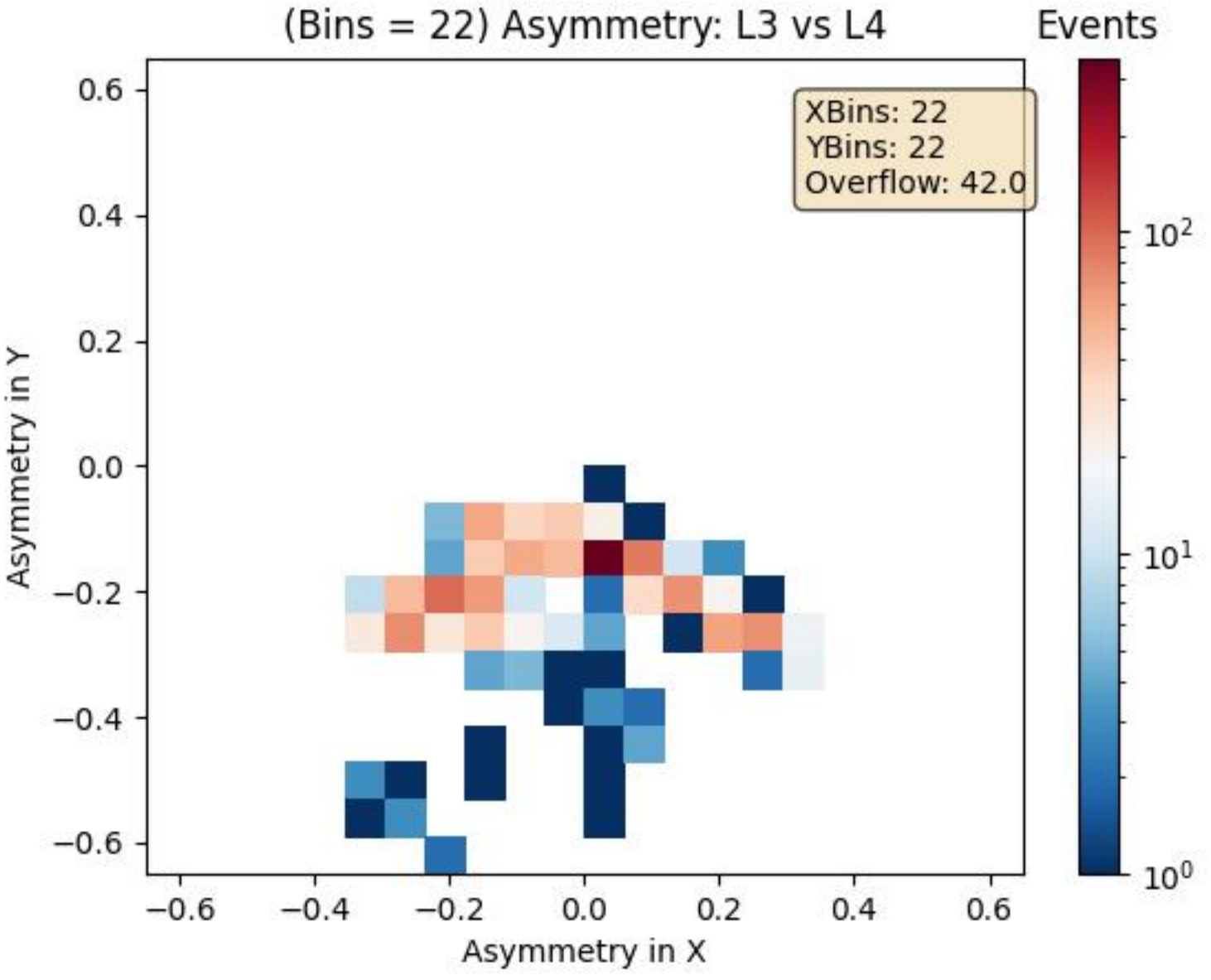

L1 vs R1
Events
XBins: 250
YBins: 250
Overflow: 0.0
R1
L1
0
50
100
150
200
250
300
10^1
10^0

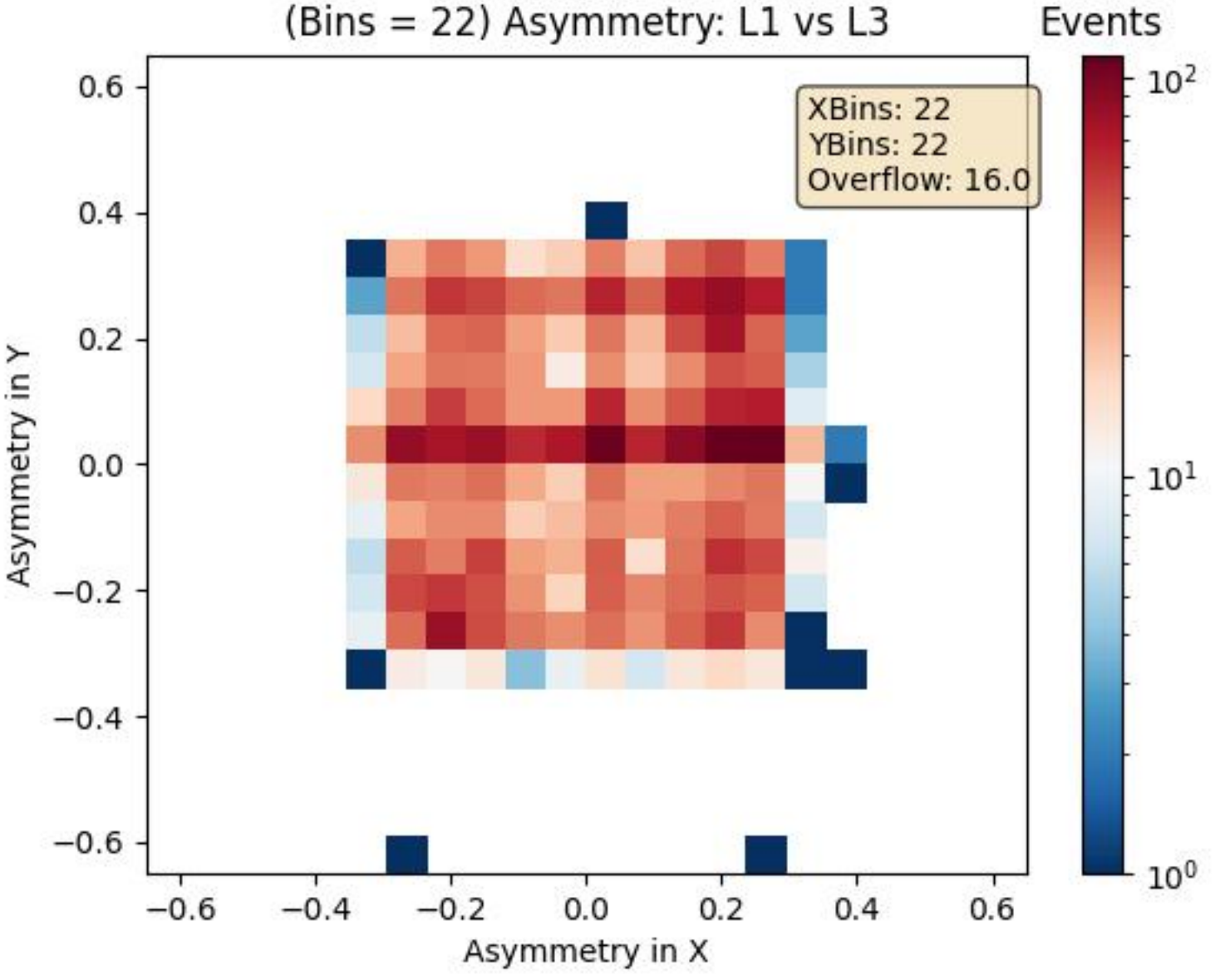

L2 vs R2
Events
XBins: 250
YBins: 250
Overflow: 0.0
R2
L2
0
50
100
150
200
250
300
10^1
10^0

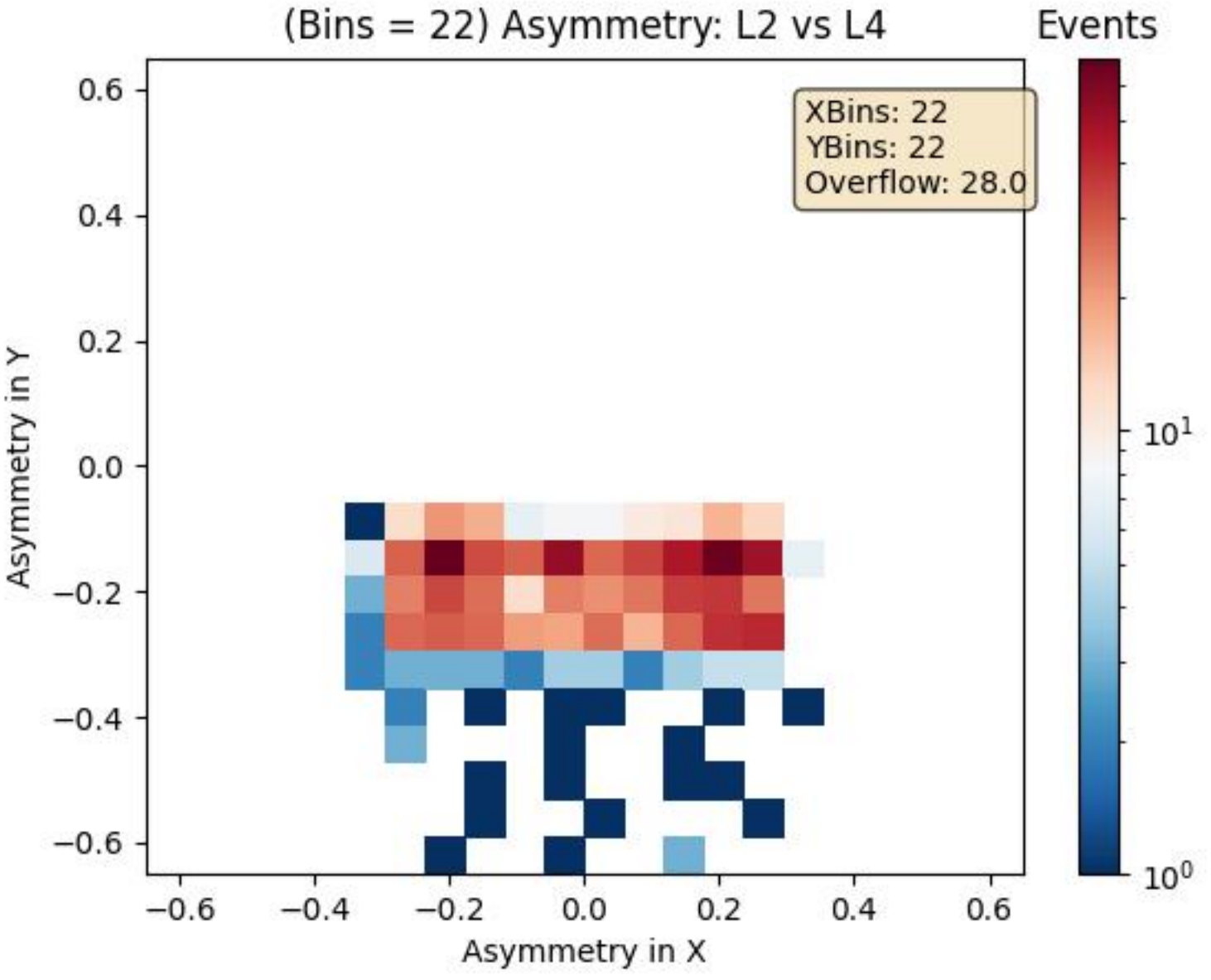

L3 vs R3
Events
XBins: 250
YBins: 250
Overflow: 1.0
R3
L3
0
50
100
150
200
250
300
10^2
10^1
10^0

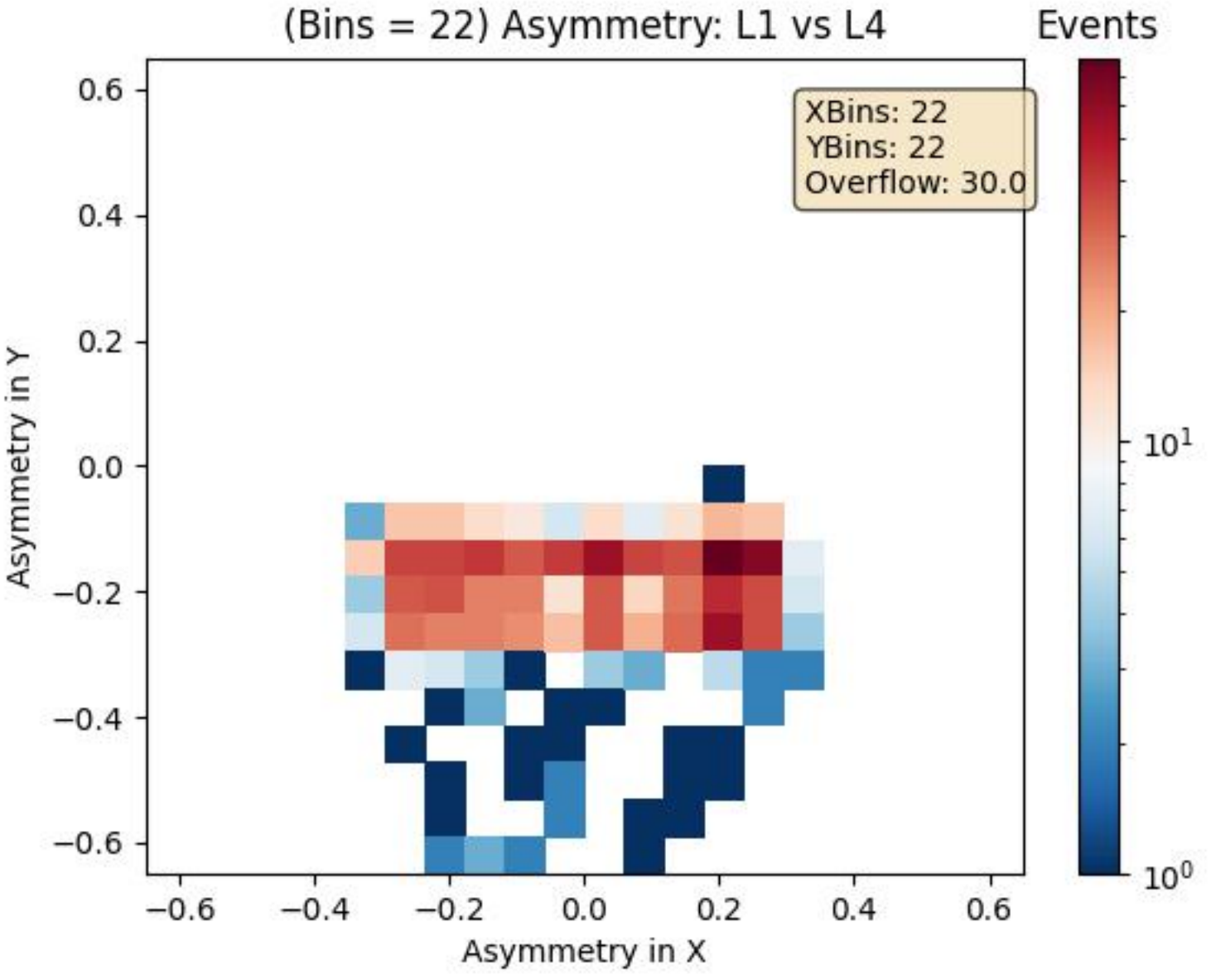

L4 vs R4
Events
XBins: 250
YBins: 250
Overflow: 3.0
R4
L4
0
50
100
150
200
250
300
10^1
10^0

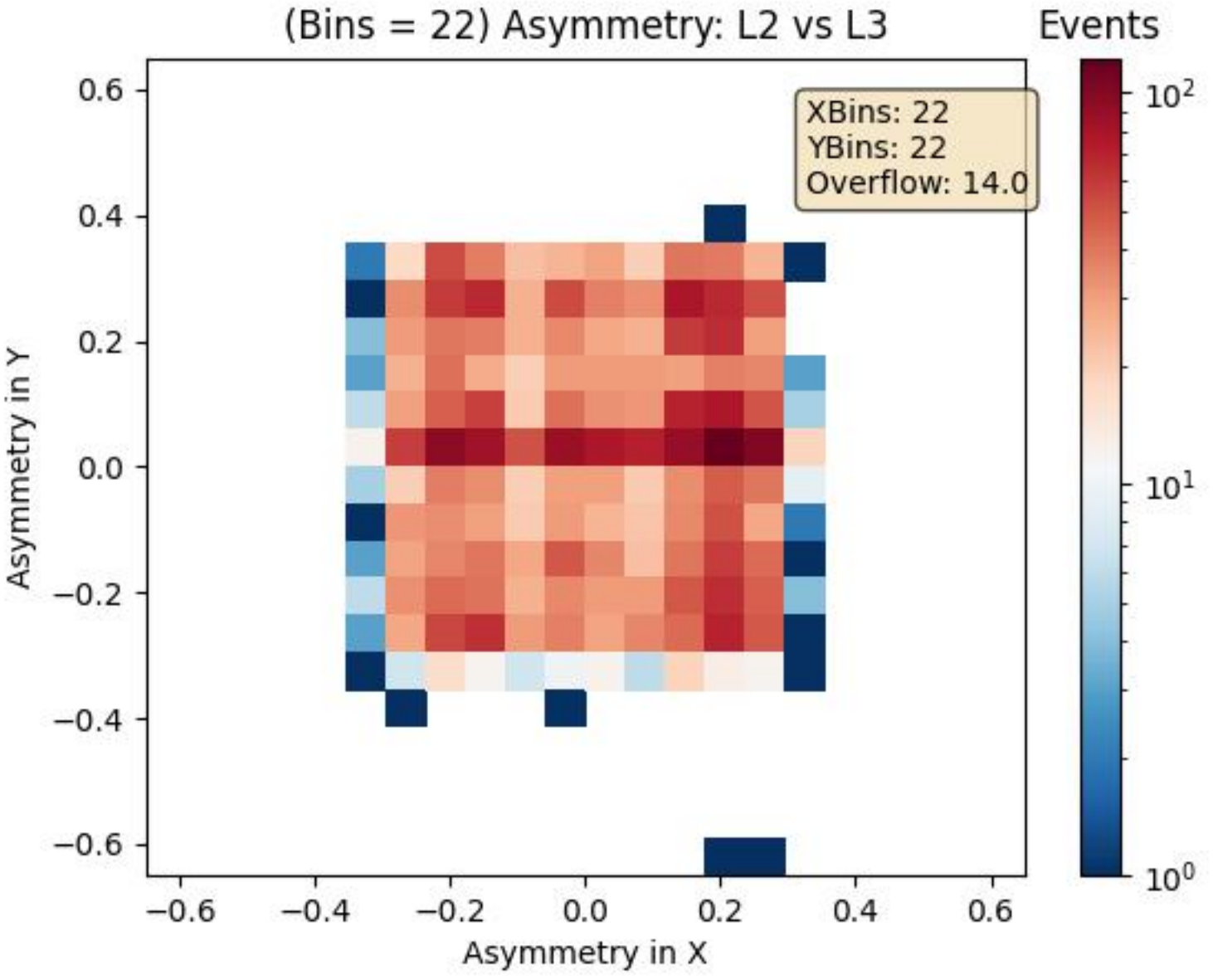

(Bins = 22) Asymmetry: L1 vs L2
Events
XBins: 22
YBins: 22
Overflow: 2.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^2
10^1
10^0


(Bins = 22) Asymmetry: L3 vs L4
Events
XBins: 22
YBins: 22
Overflow: 42.0
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: L1 vs L3
Events
XBins: 22
YBins: 22
Overflow: 16.0
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: 28.0
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: 30.0
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: 14.0
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