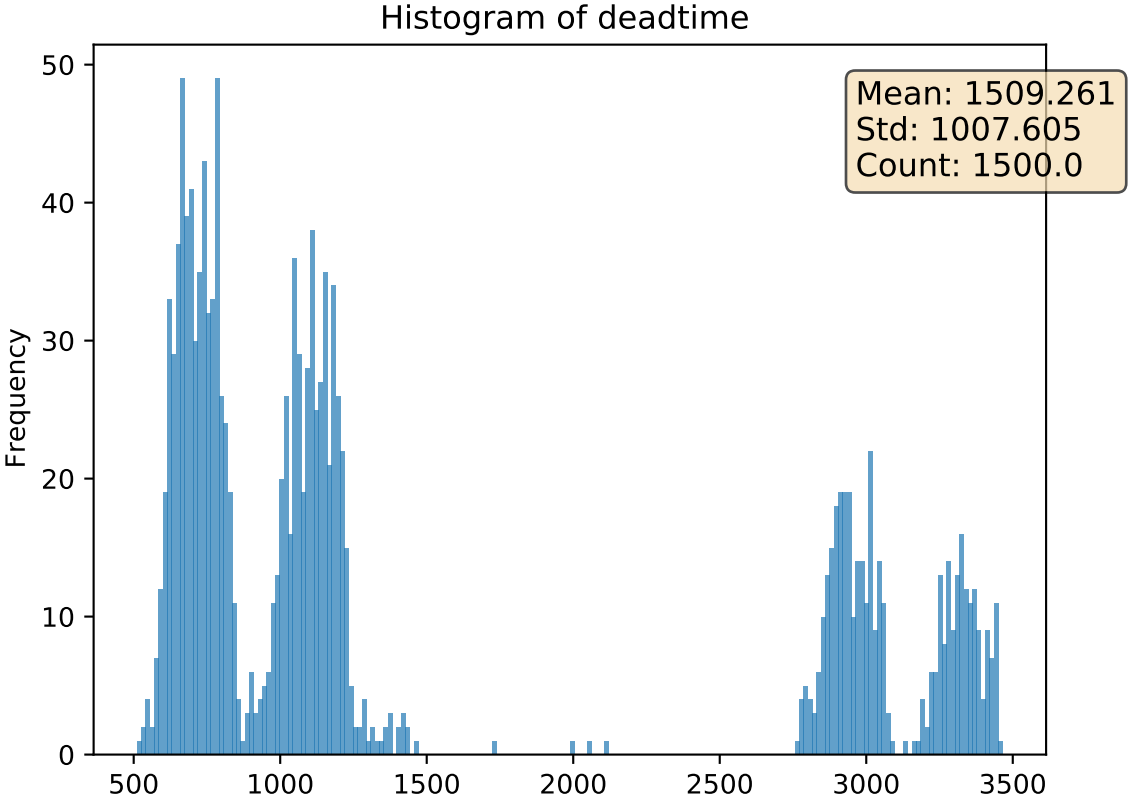
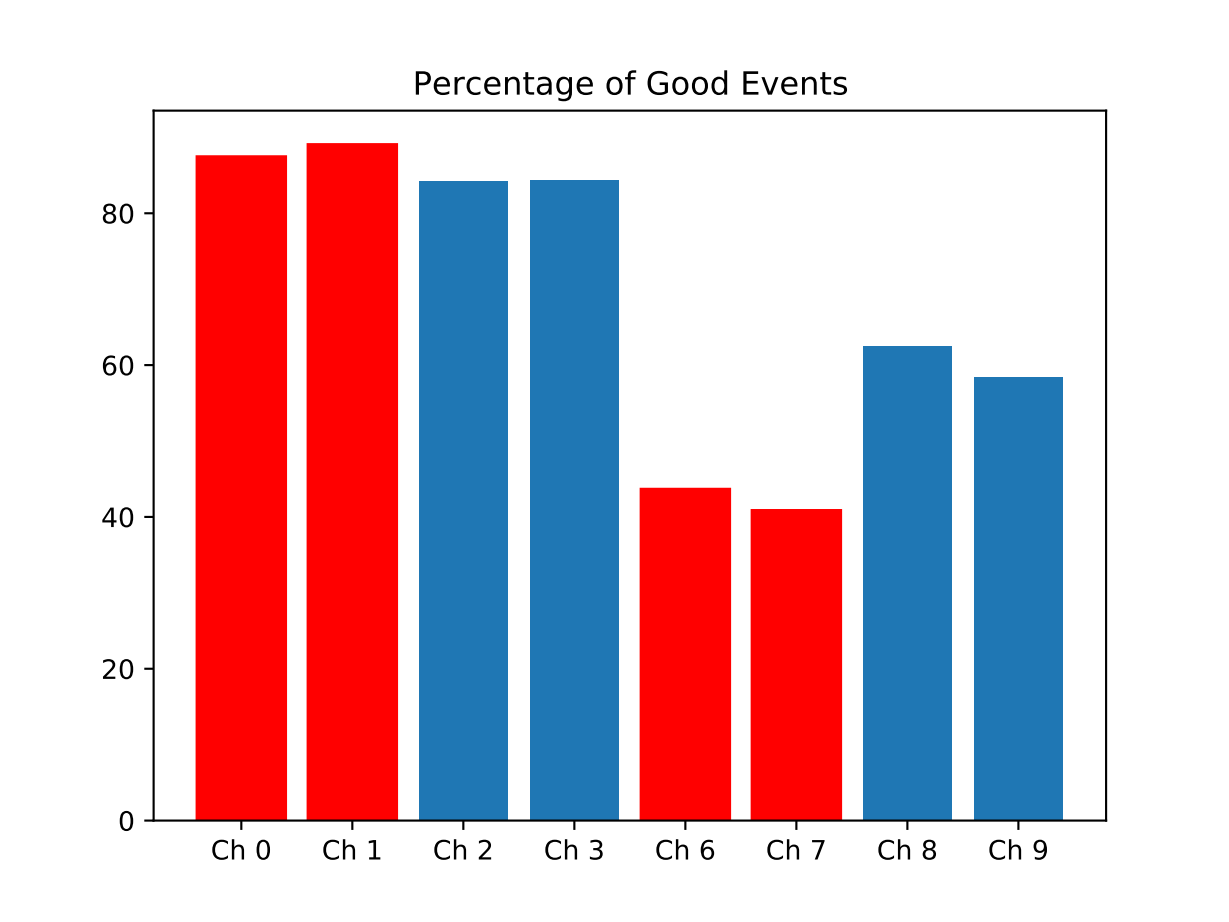
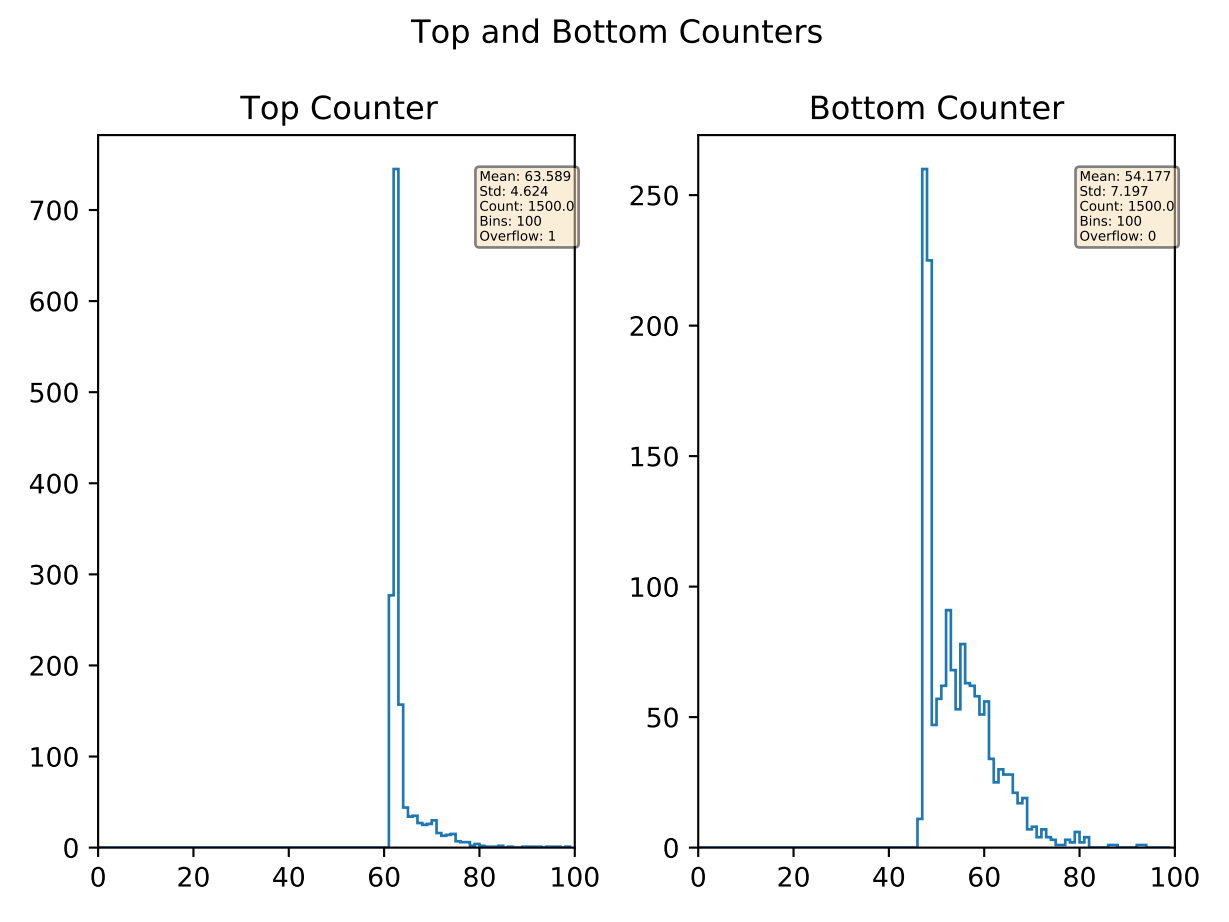
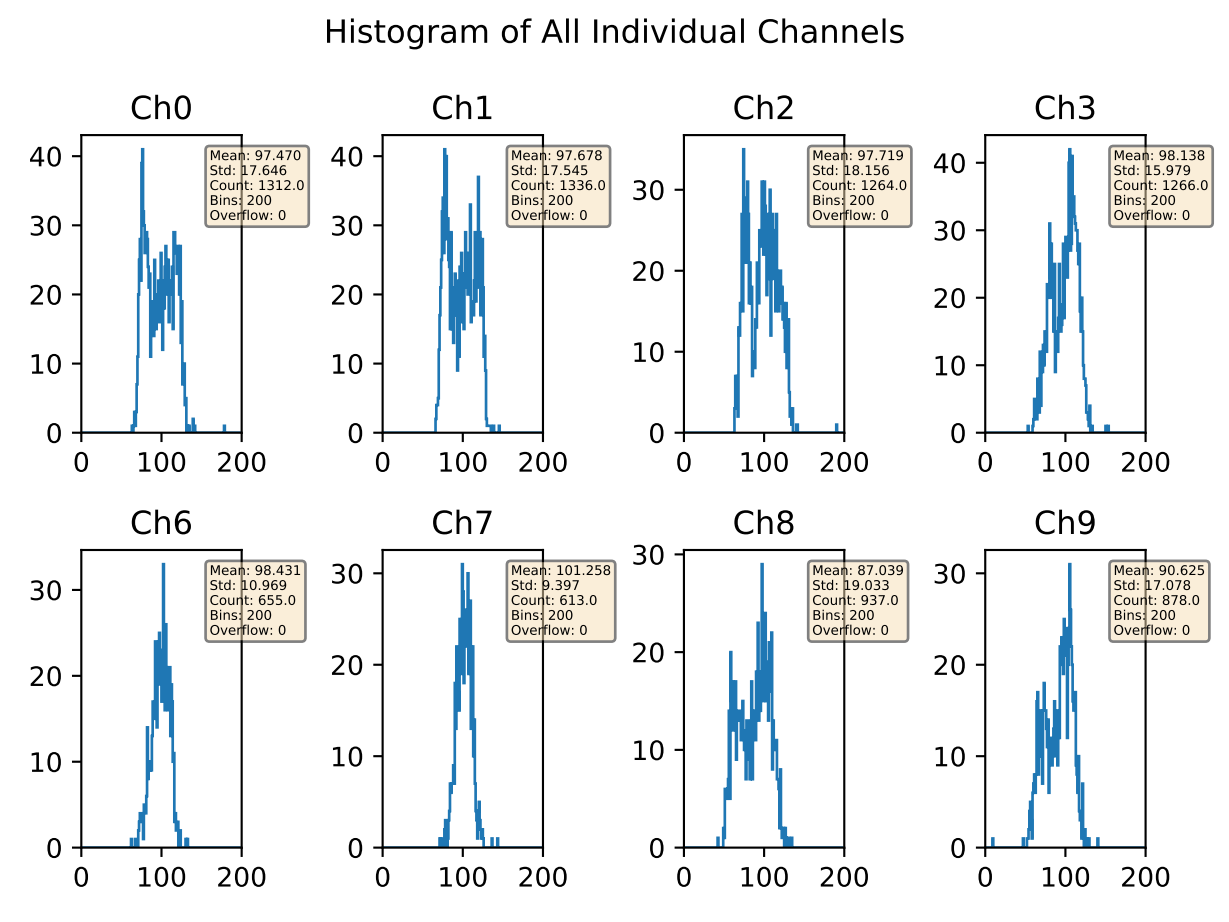
Analysis of Run: 43
Run Start: Dec 23 2020 19:17:01
Run End: Dec 23 2020 19:24:43

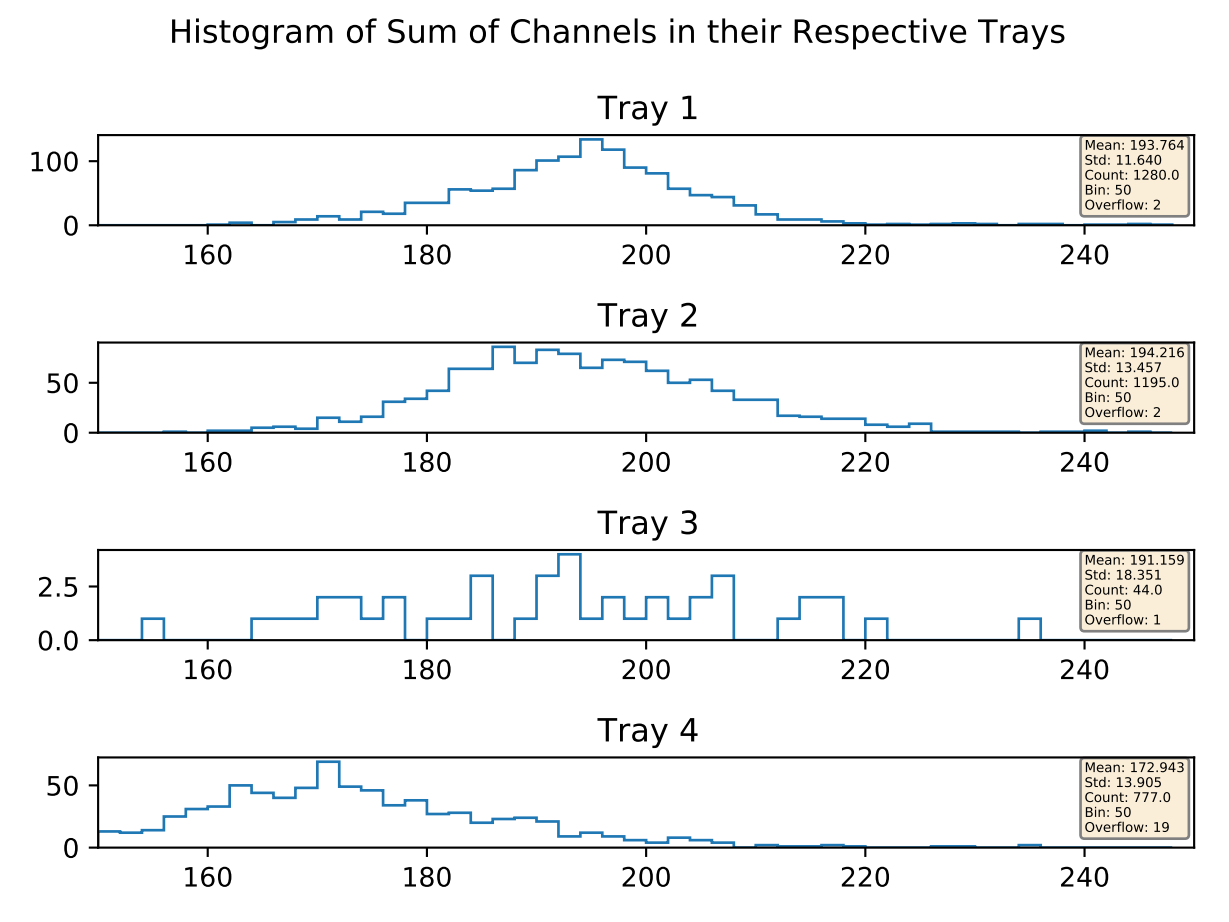
Report Generated at: Dec 23 2020 19:47:20

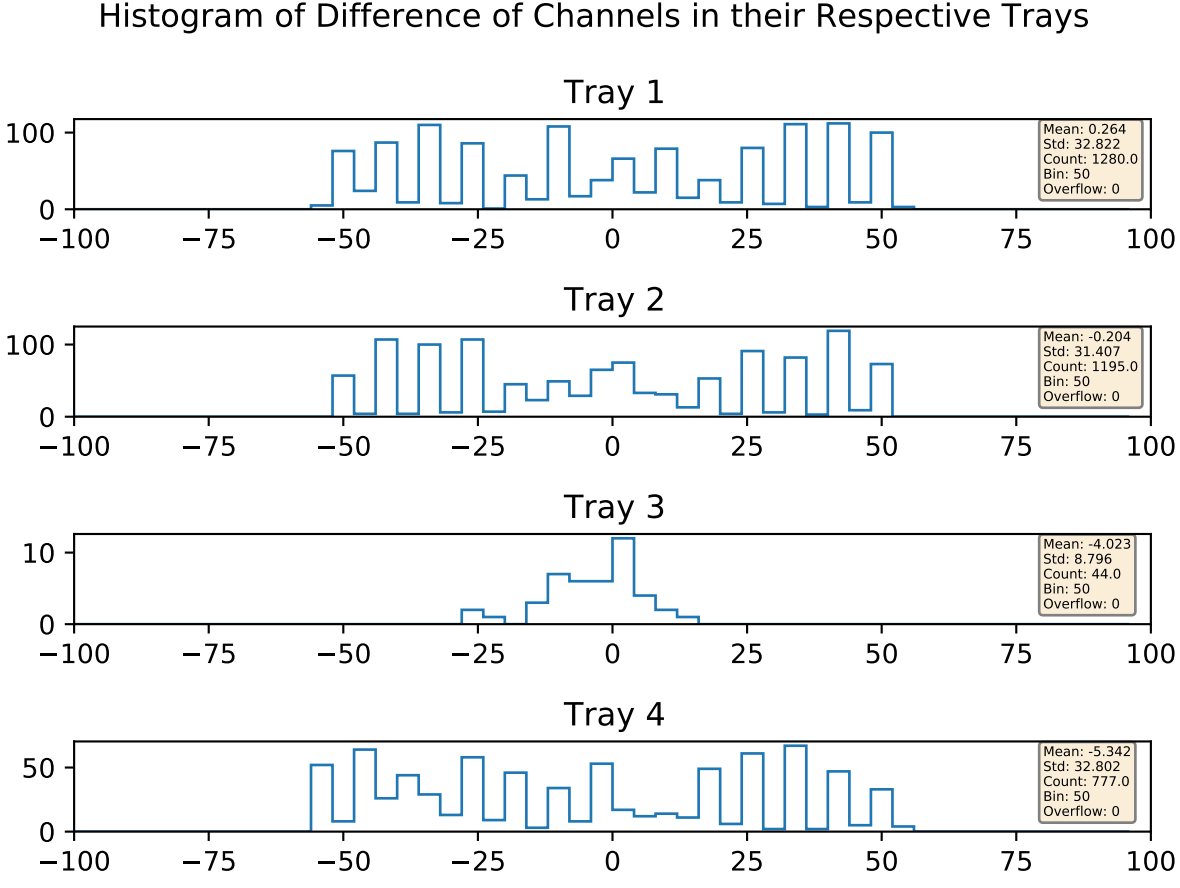

Histogram of deadtime
Mean: 1509.261
Std: 1007.605
Count: 1500.0
Frequency
0
10
20
30
40
50
500
1000
1500
2000
2500
3000
3500

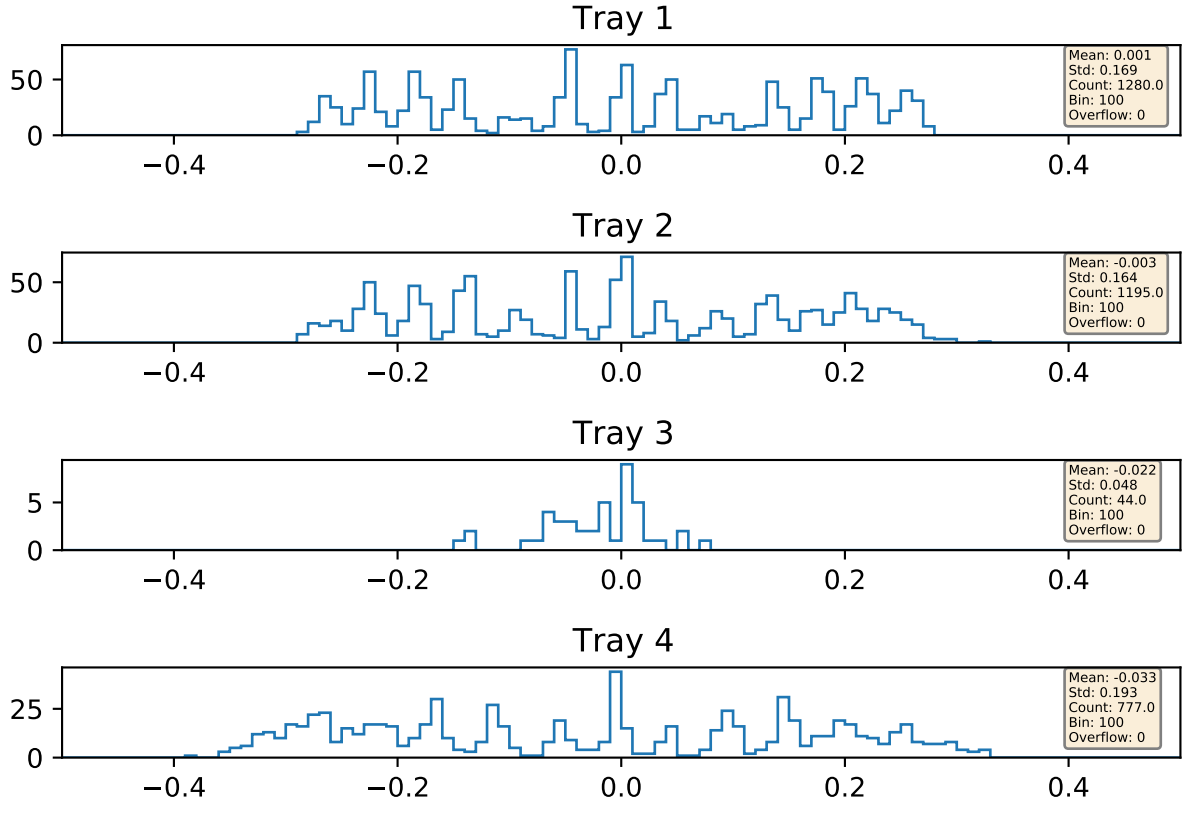

Percentage of Good Events
0
20
40
60
80
Ch 0
Ch 1
Ch 2
Ch 3
Ch 6
Ch 7
Ch 8
Ch 9

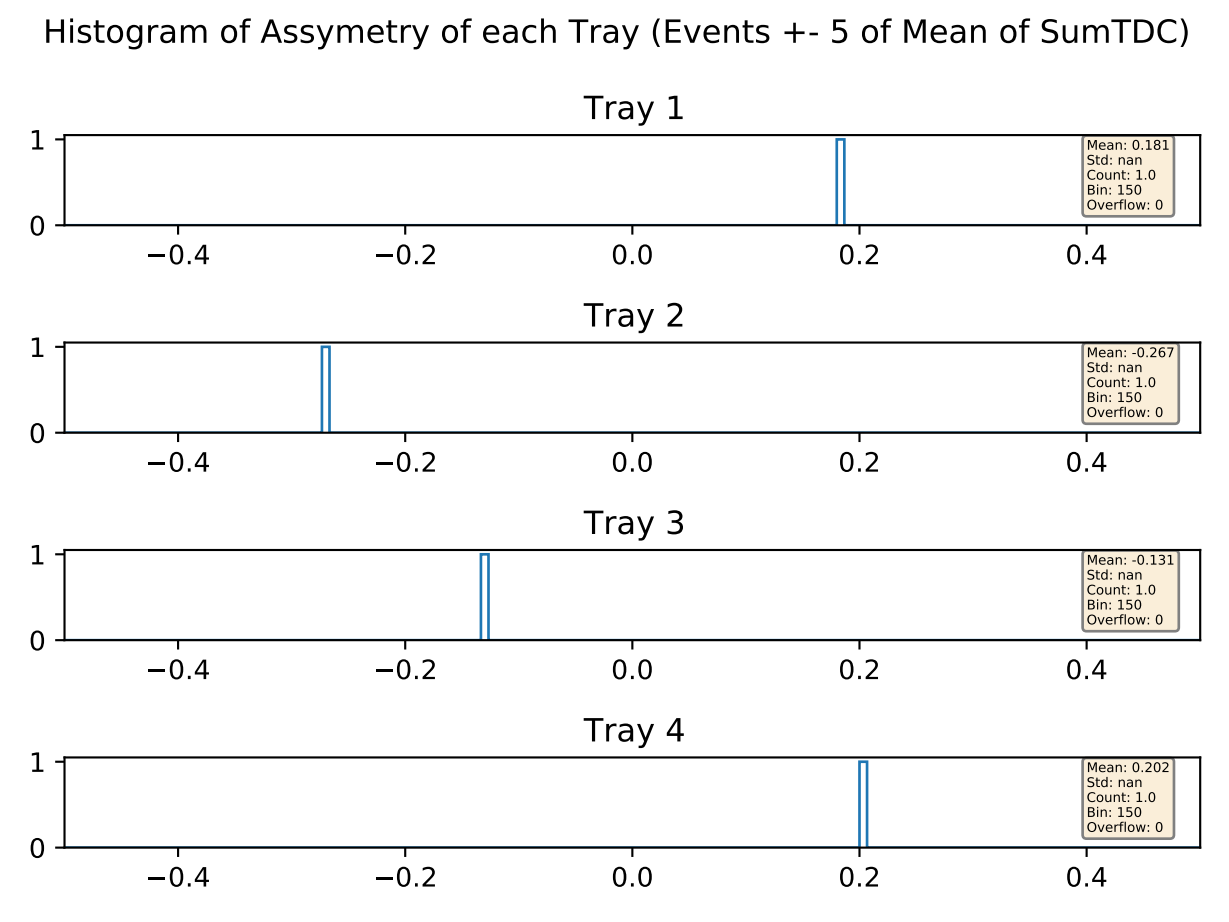

Top and Bottom Counters
Top Counter
Mean: 63.589
Std: 4.624
Count: 1500.0
Bins: 100
Overflow: 1
0
100
200
300
400
500
600
700
0
20
40
60
80
100
Bottom Counter
Mean: 54.177
Std: 7.197
Count: 1500.0
Bins: 100
Overflow: 0
0
50
100
150
200
250
0
20
40
60
80
100

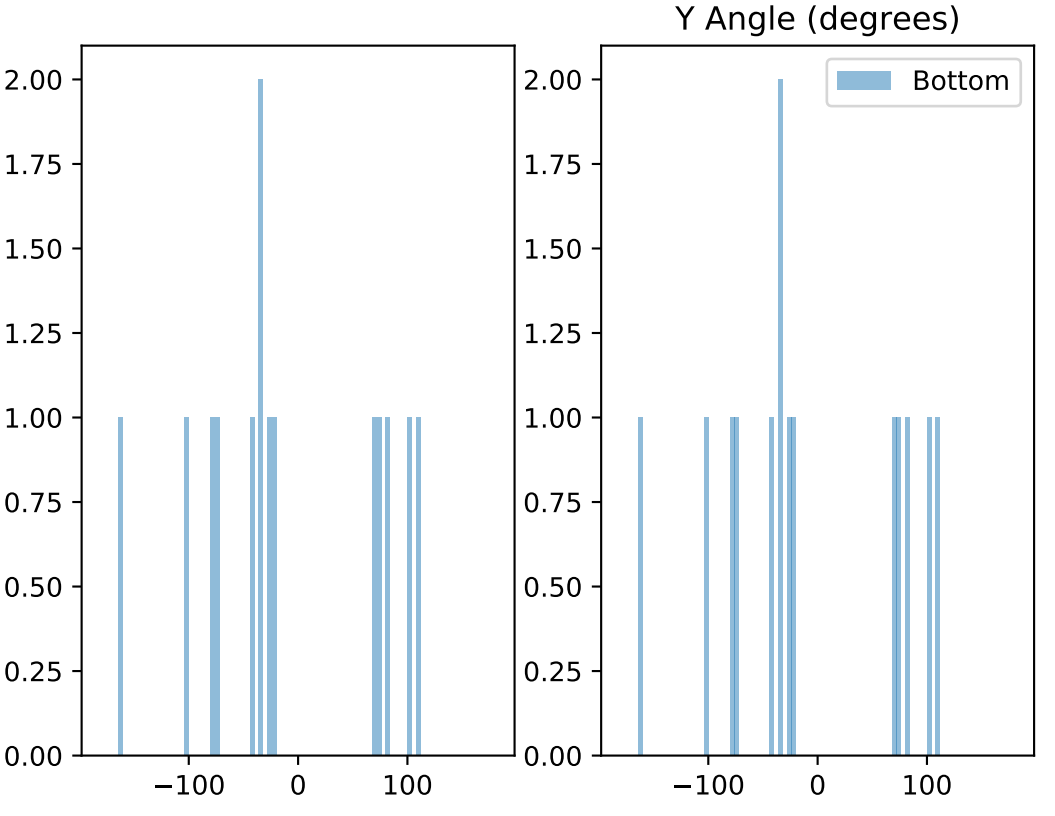

Histogram of All Individual Channels
Ch0
Mean: 97.470
Std: 17.646
Count: 1312.0
Bins: 200
Overflow: 0
Ch1
Mean: 97.678
Std: 17.545
Count: 1336.0
Bins: 200
Overflow: 0
Ch2
Mean: 97.719
Std: 18.156
Count: 1264.0
Bins: 200
Overflow: 0
Ch3
Mean: 98.138
Std: 15.979
Count: 1266.0
Bins: 200
Overflow: 0
Ch6
Mean: 98.431
Std: 10.969
Count: 655.0
Bins: 200
Overflow: 0
Ch7
Mean: 101.258
Std: 9.397
Count: 613.0
Bins: 200
Overflow: 0
Ch8
Mean: 87.039
Std: 19.033
Count: 937.0
Bins: 200
Overflow: 0
Ch9
Mean: 90.625
Std: 17.078
Count: 878.0
Bins: 200
Overflow: 0

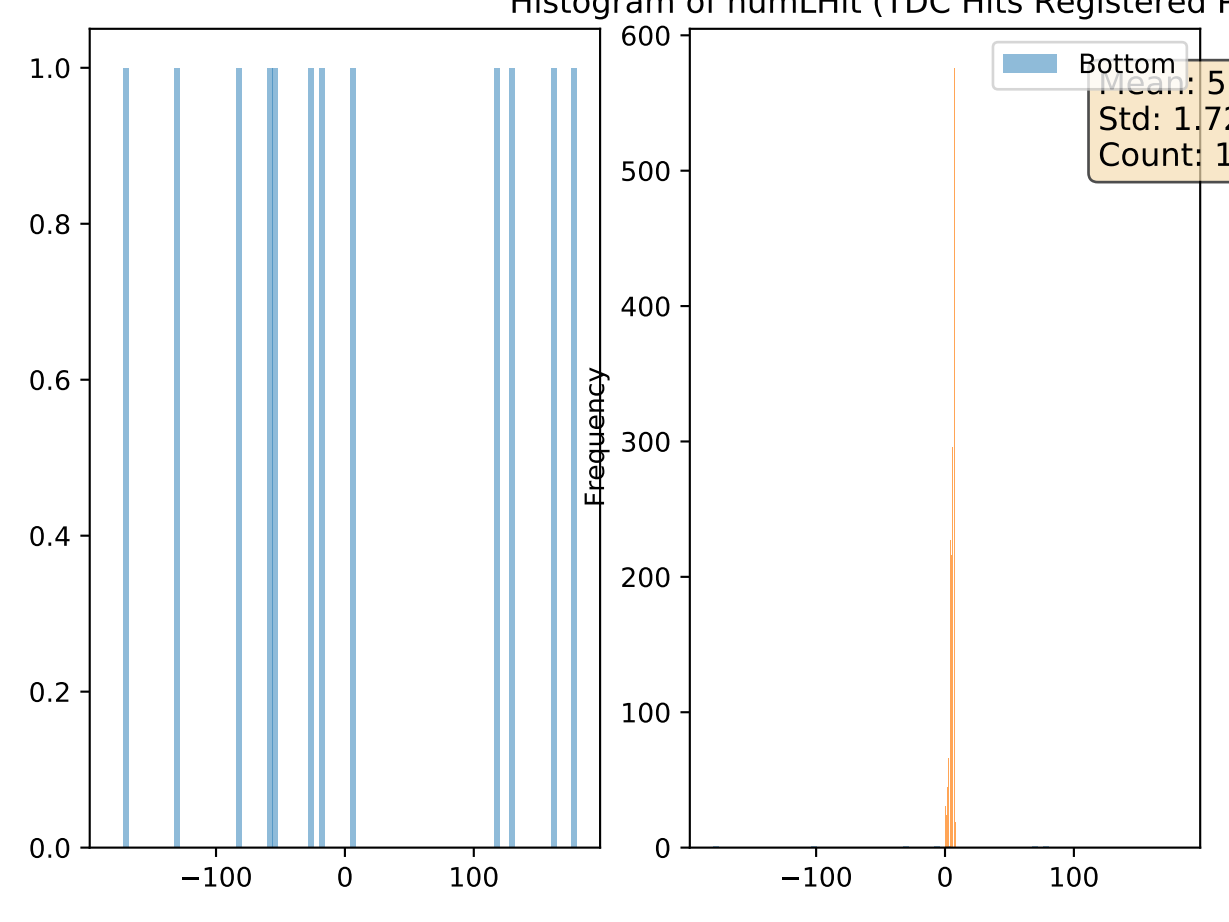

Histogram of Sum of Channels in their Respective Trays
Tray 1
Mean: 193.764
Std: 11.640
Count: 1280.0
Bin: 50
Overflow: 2
Tray 2
Mean: 194.216
Std: 13.457
Count: 1195.0
Bin: 50
Overflow: 2
Tray 3
Mean: 191.159
Std: 18.351
Count: 44.0
Bin: 50
Overflow: 1
Tray 4
Mean: 172.943
Std: 13.905
Count: 777.0
Bin: 50
Overflow: 19

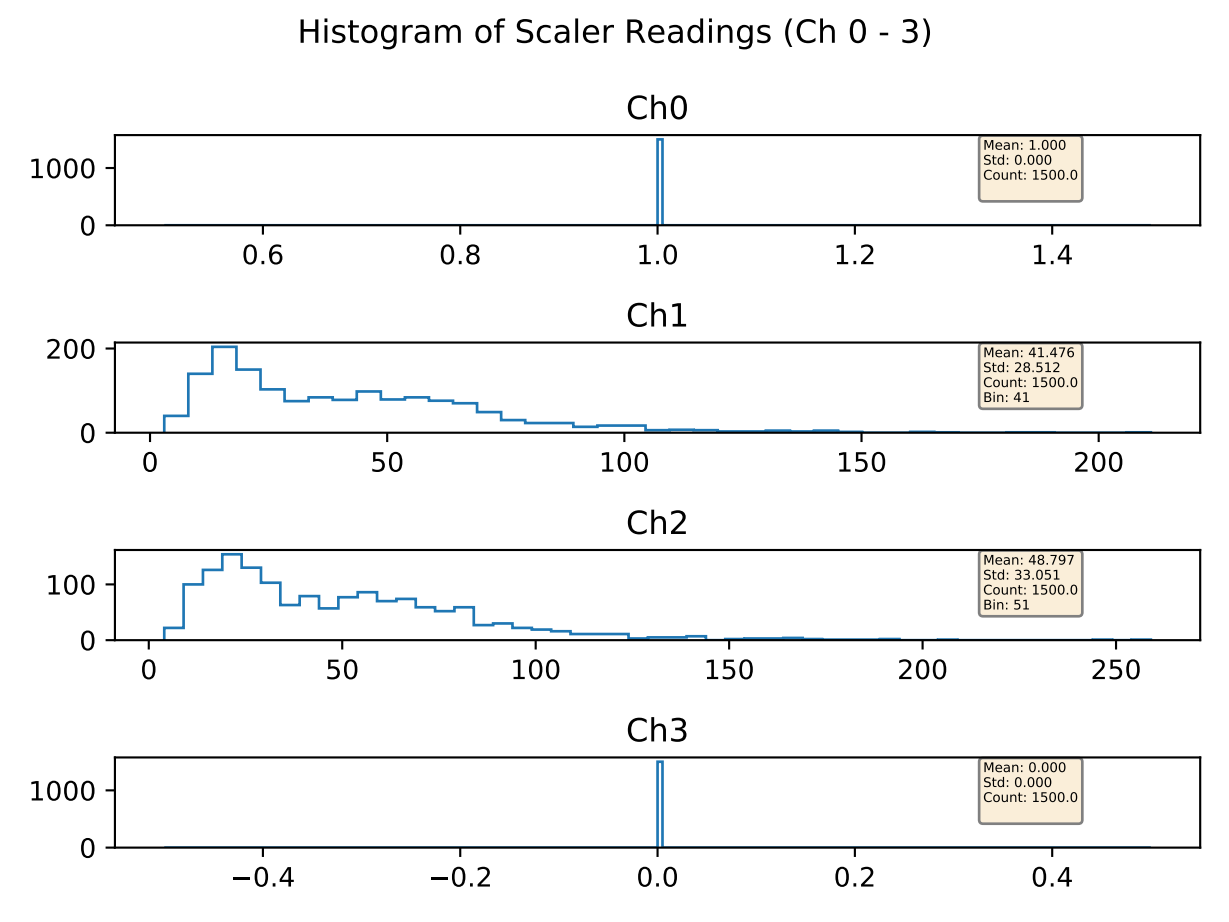

Histogram of Difference of Channels in their Respective Trays
Tray 1
Mean: 0.264
Std: 32.822
Count: 1280.0
Bin: 50
Overflow: 0
Tray 2
Mean: -0.204
Std: 31.407
Count: 1195.0
Bin: 50
Overflow: 0
Tray 3
Mean: -4.023
Std: 8.796
Count: 44.0
Bin: 50
Overflow: 0
Tray 4
Mean: -5.342
Std: 32.802
Count: 777.0
Bin: 50
Overflow: 0

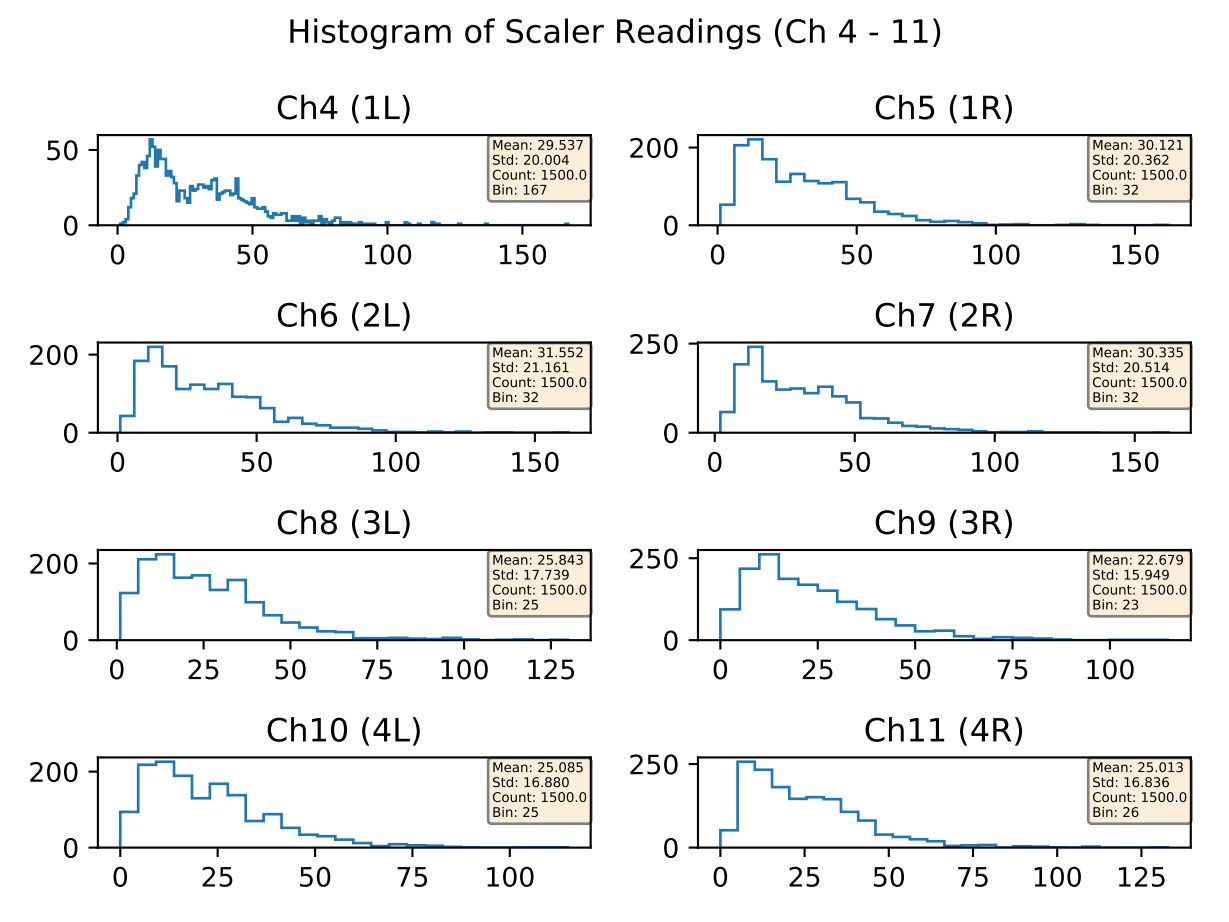

Histogram of Asymmetry of each Tray
Tray 1
Mean: 0.001
Std: 0.169
Count: 1280.0
Bin: 100
Overflow: 0
Tray 2
Mean: -0.003
Std: 0.164
Count: 1195.0
Bin: 100
Overflow: 0
Tray 3
Mean: -0.022
Std: 0.048
Count: 44.0
Bin: 100
Overflow: 0
Tray 4
Mean: -0.033
Std: 0.193
Count: 777.0
Bin: 100
Overflow: 0
−0.4
−0.2
0.0
0.2
0.4

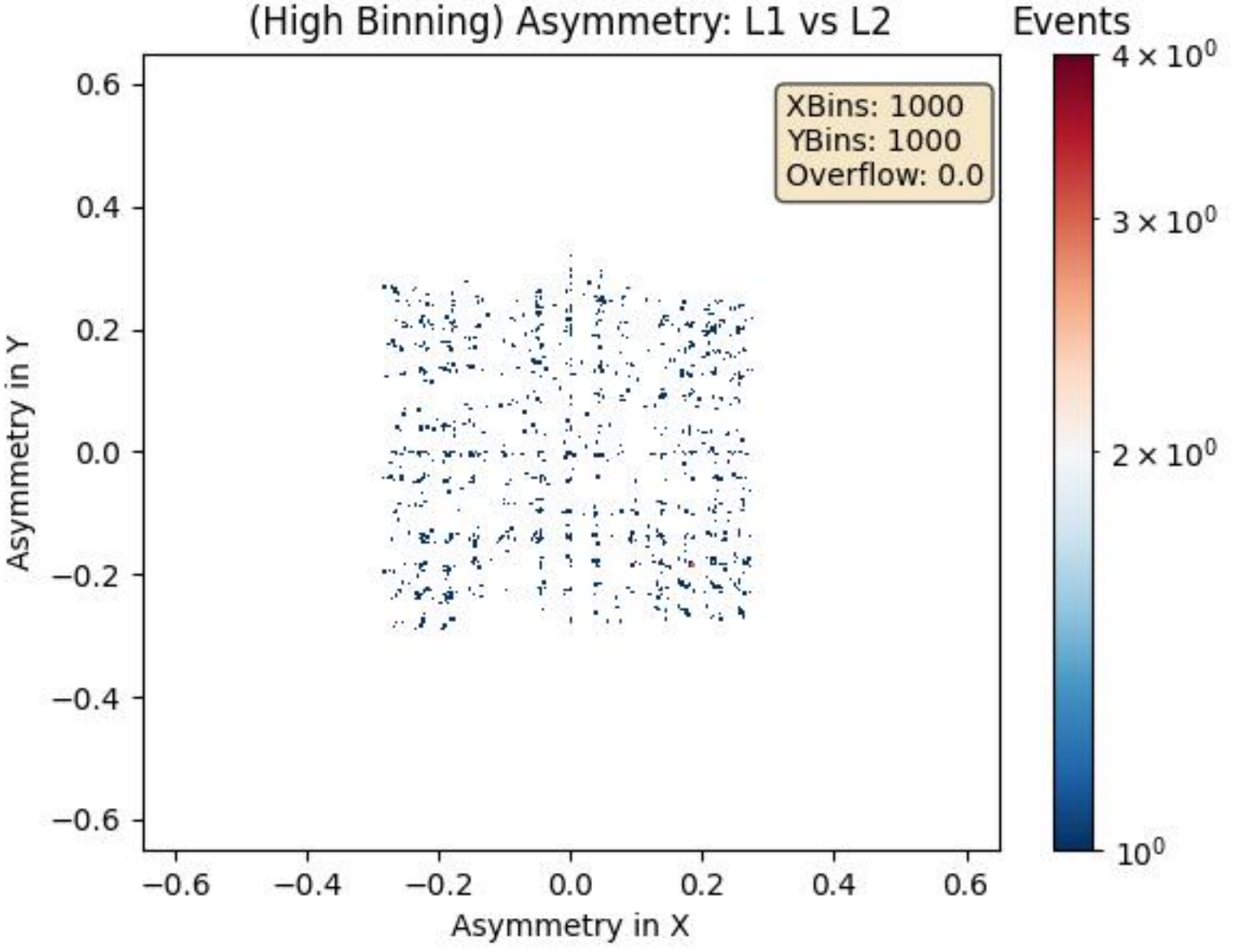

Histogram of Assymetry of each Tray (Events +- 5 of Mean of SumTDC)
Tray 1
Mean: 0.181
Std: nan
Count: 1.0
Bin: 150
Overflow: 0
Tray 2
Mean: -0.267
Std: nan
Count: 1.0
Bin: 150
Overflow: 0
Tray 3
Mean: -0.131
Std: nan
Count: 1.0
Bin: 150
Overflow: 0
Tray 4
Mean: 0.202
Std: nan
Count: 1.0
Bin: 150
Overflow: 0
1
0
−0.4
−0.2
0.0
0.2
0.4

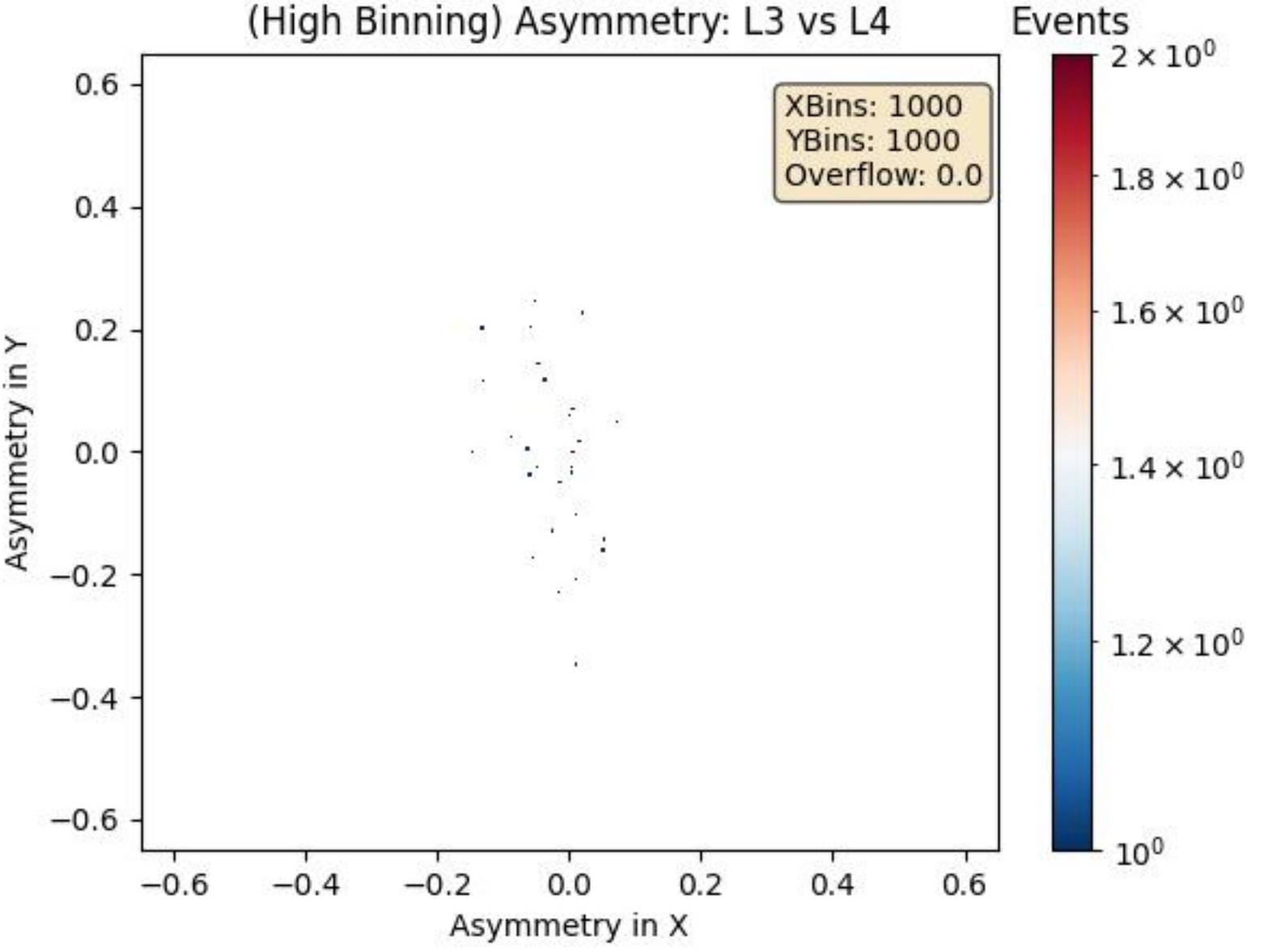

Y Angle (degrees)
Bottom
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−100
0
100

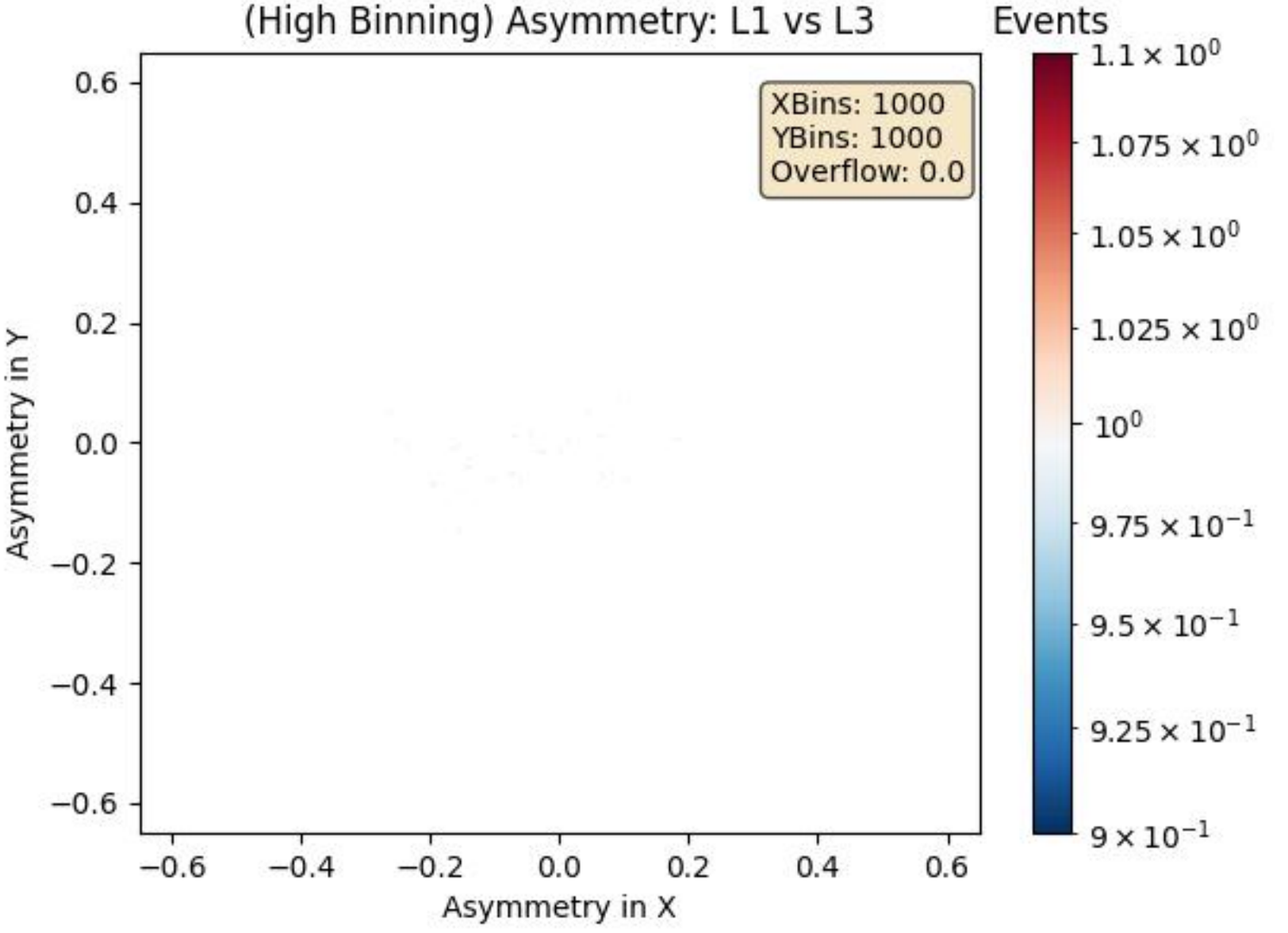

Histogram of numLHit (TDC Hits Registered F
Bottom
Mean: 5
Std: 1.72
Count: 1
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
600
500
400
300
200
100
0
−100
0
100
−100
0
100

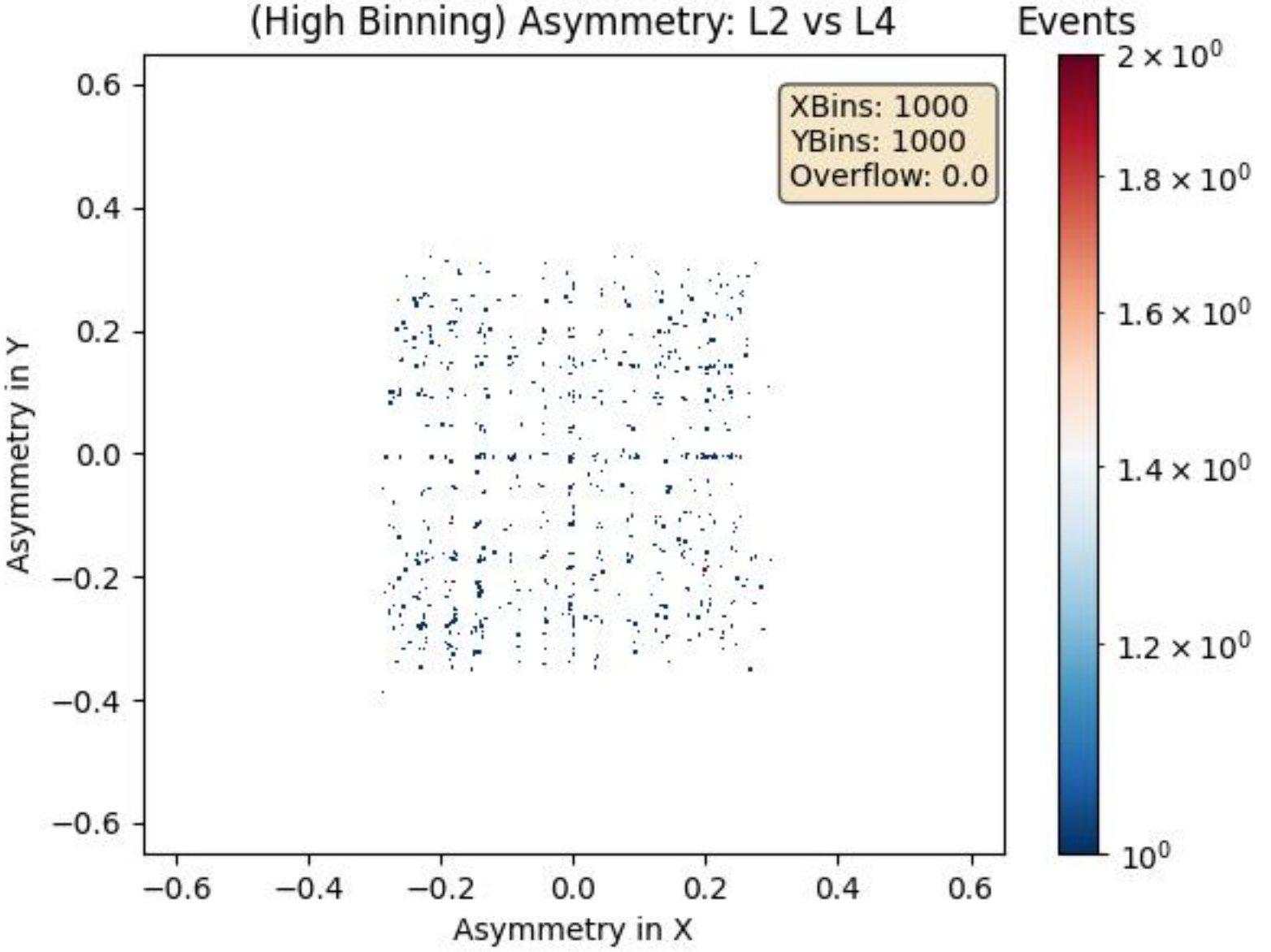

Histogram of Scaler Readings (Ch 0 - 3)
Ch0
Mean: 1.000
Std: 0.000
Count: 1500.0
1000
0
0.6
0.8
1.0
1.2
1.4
Ch1
Mean: 41.476
Std: 28.512
Count: 1500.0
Bin: 41
200
0
0
50
100
150
200
Ch2
Mean: 48.797
Std: 33.051
Count: 1500.0
Bin: 51
100
0
0
50
100
150
200
250
Ch3
Mean: 0.000
Std: 0.000
Count: 1500.0
1000
0
−0.4
−0.2
0.0
0.2
0.4

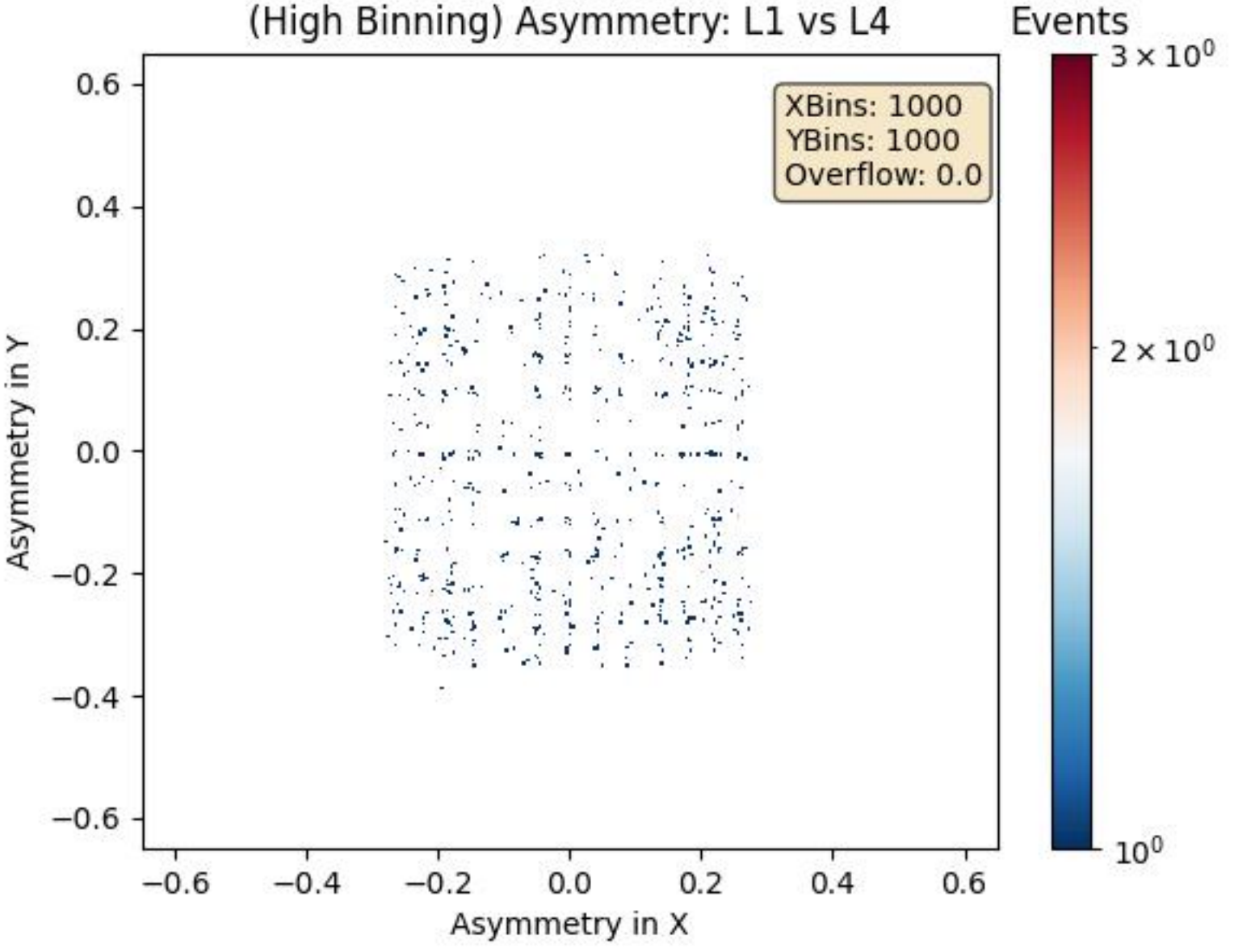

Histogram of Scaler Readings (Ch 4 - 11)
Ch4 (1L)
Mean: 29.537
Std: 20.004
Count: 1500.0
Bin: 167
Ch5 (1R)
Mean: 30.121
Std: 20.362
Count: 1500.0
Bin: 32
Ch6 (2L)
Mean: 31.552
Std: 21.161
Count: 1500.0
Bin: 32
Ch7 (2R)
Mean: 30.335
Std: 20.514
Count: 1500.0
Bin: 32
Ch8 (3L)
Mean: 25.843
Std: 17.739
Count: 1500.0
Bin: 25
Ch9 (3R)
Mean: 22.679
Std: 15.949
Count: 1500.0
Bin: 23
Ch10 (4L)
Mean: 25.085
Std: 16.880
Count: 1500.0
Bin: 25
Ch11 (4R)
Mean: 25.013
Std: 16.836
Count: 1500.0
Bin: 26

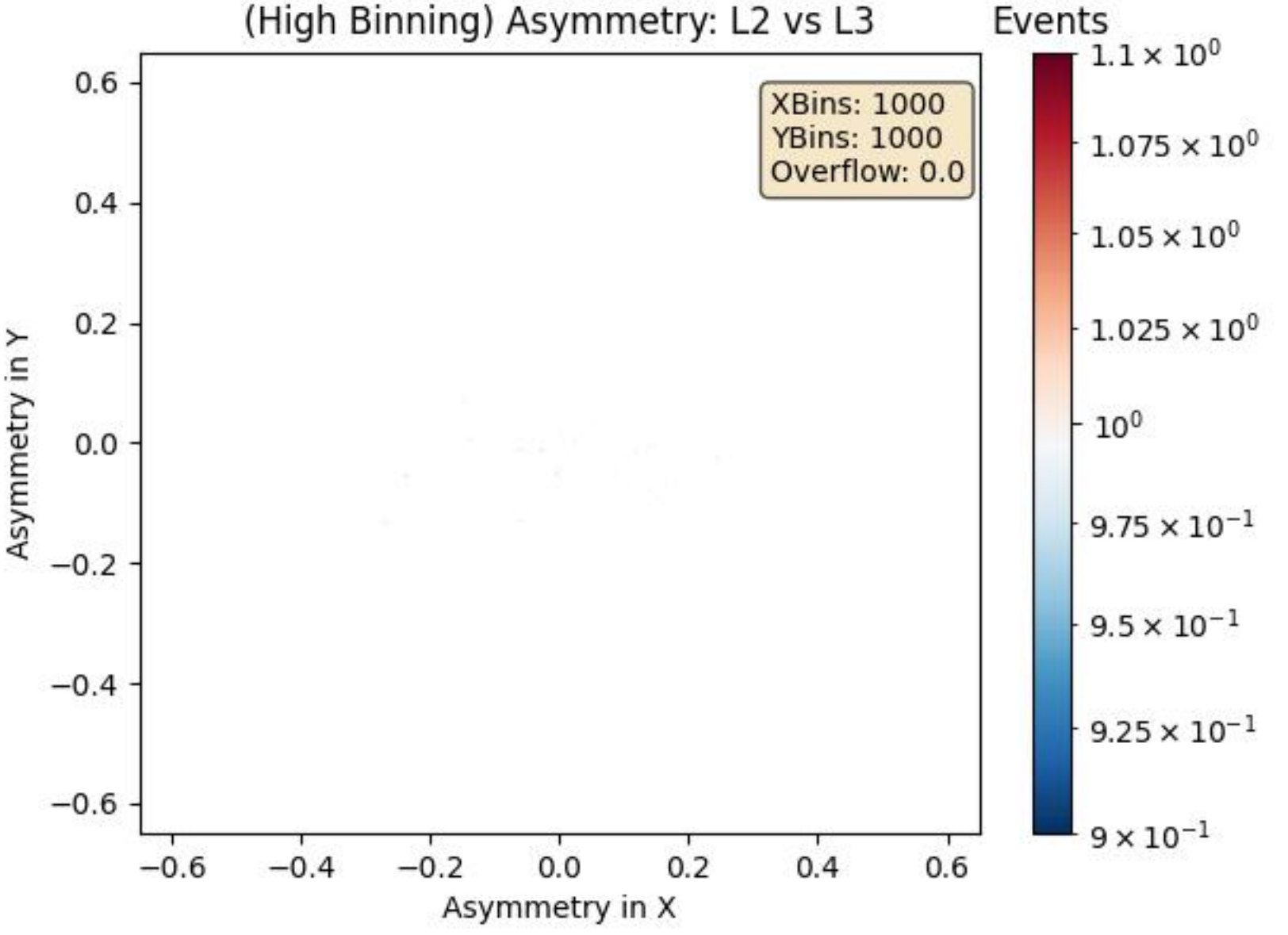

(High Binning) Asymmetry: L1 vs L2
Events
XBins: 1000
YBins: 1000
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
4×10^0
3×10^0
2×10^0
10^0

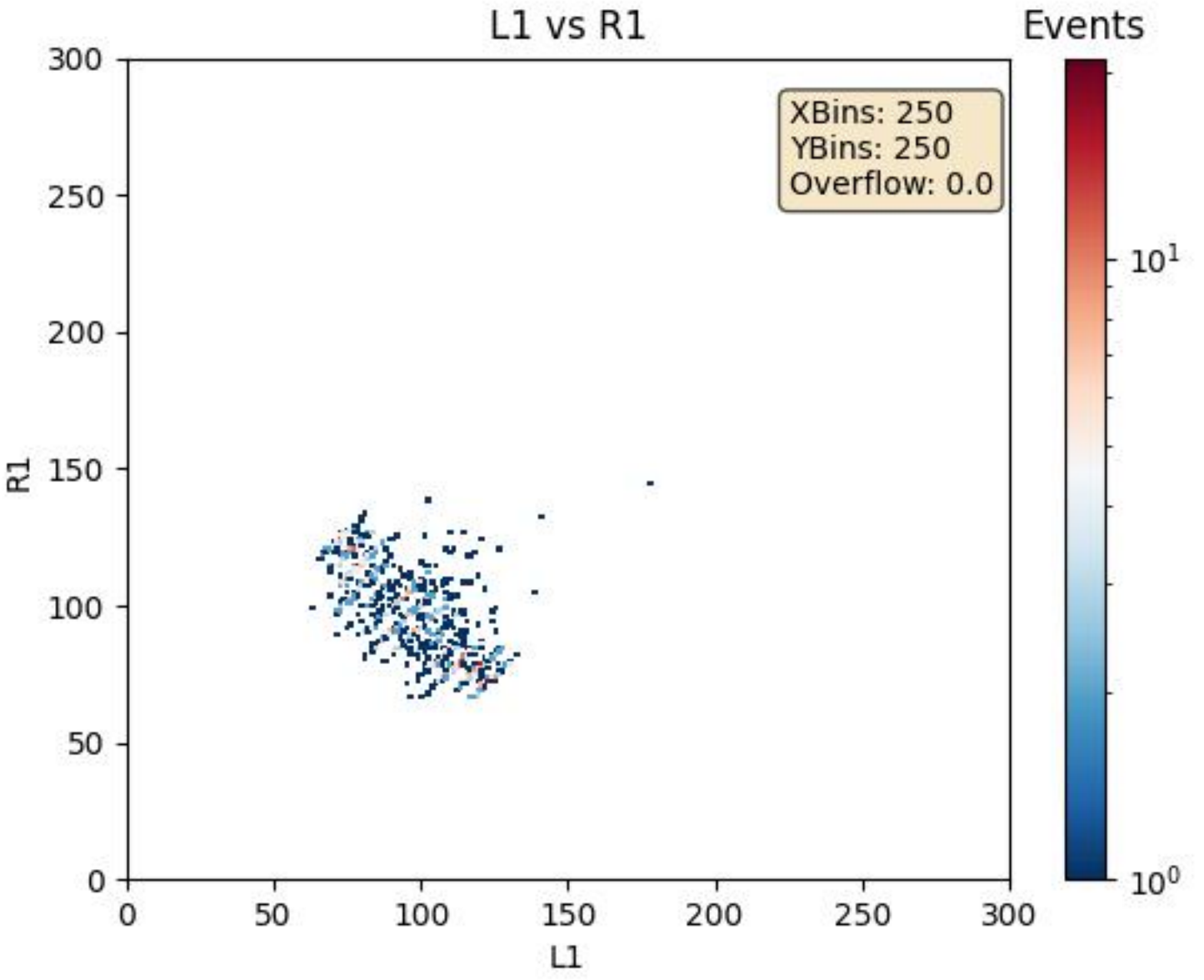

(High Binning) Asymmetry: L3 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
2×10^0
1.8×10^0
1.6×10^0
1.4×10^0
1.2×10^0
10^0

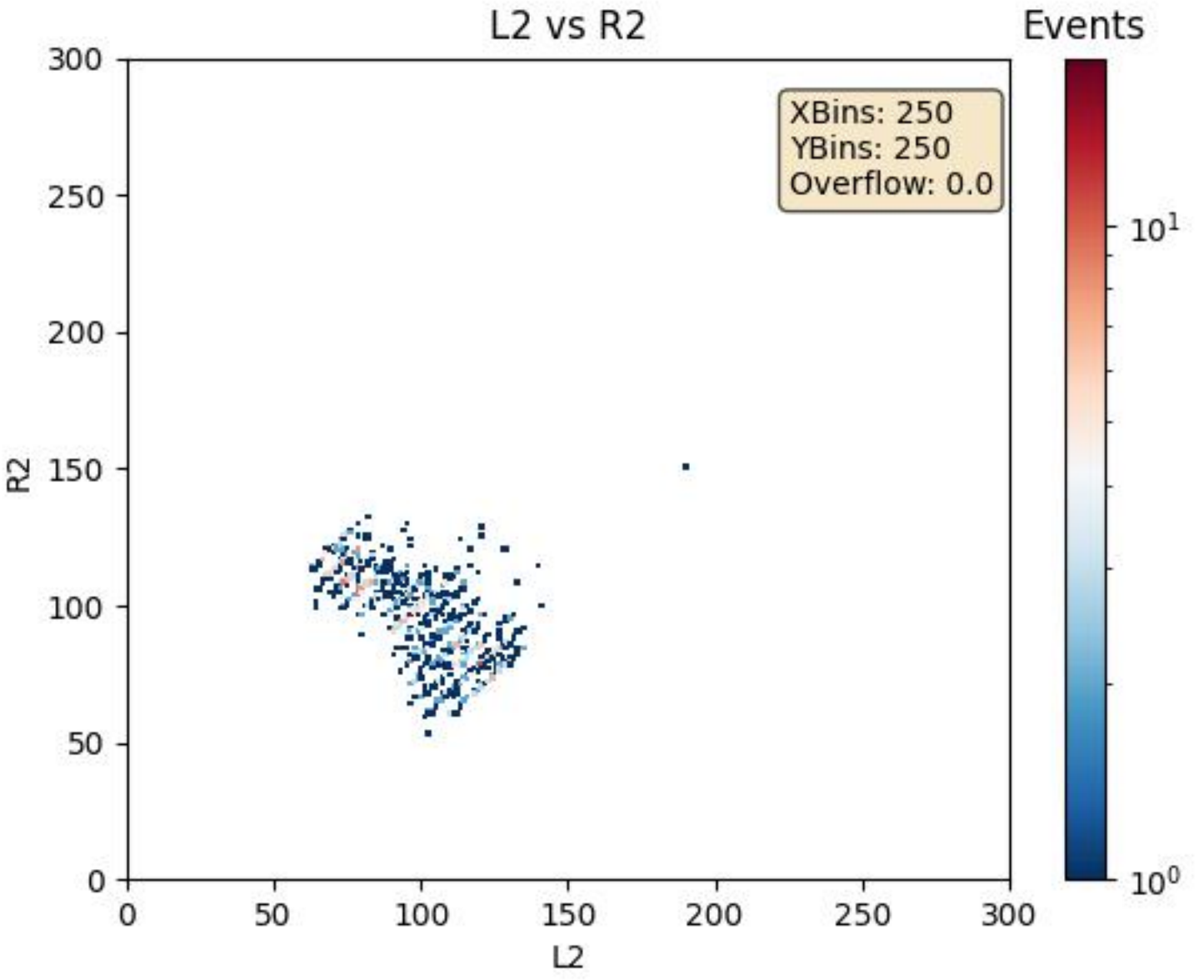

(High Binning) Asymmetry: L1 vs L3
Events
XBins: 1000
YBins: 1000
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
1.1 × 10^0
1.075 × 10^0
1.05 × 10^0
1.025 × 10^0
10^0
9.75 × 10^−1
9.5 × 10^−1
9.25 × 10^−1
9 × 10^−1

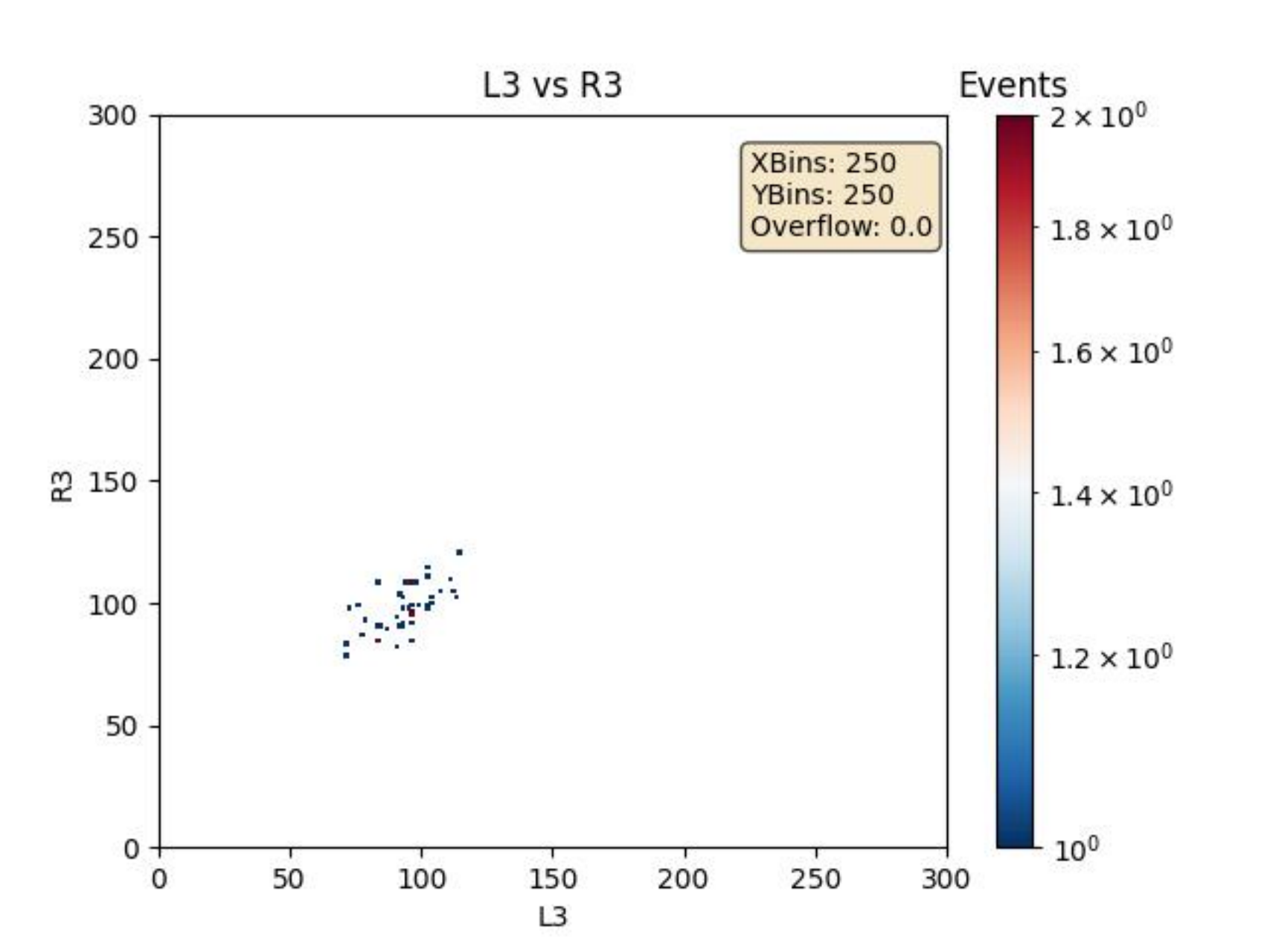

(High Binning) Asymmetry: L2 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
2×10^0
1.8×10^0
1.6×10^0
1.4×10^0
1.2×10^0
10^0

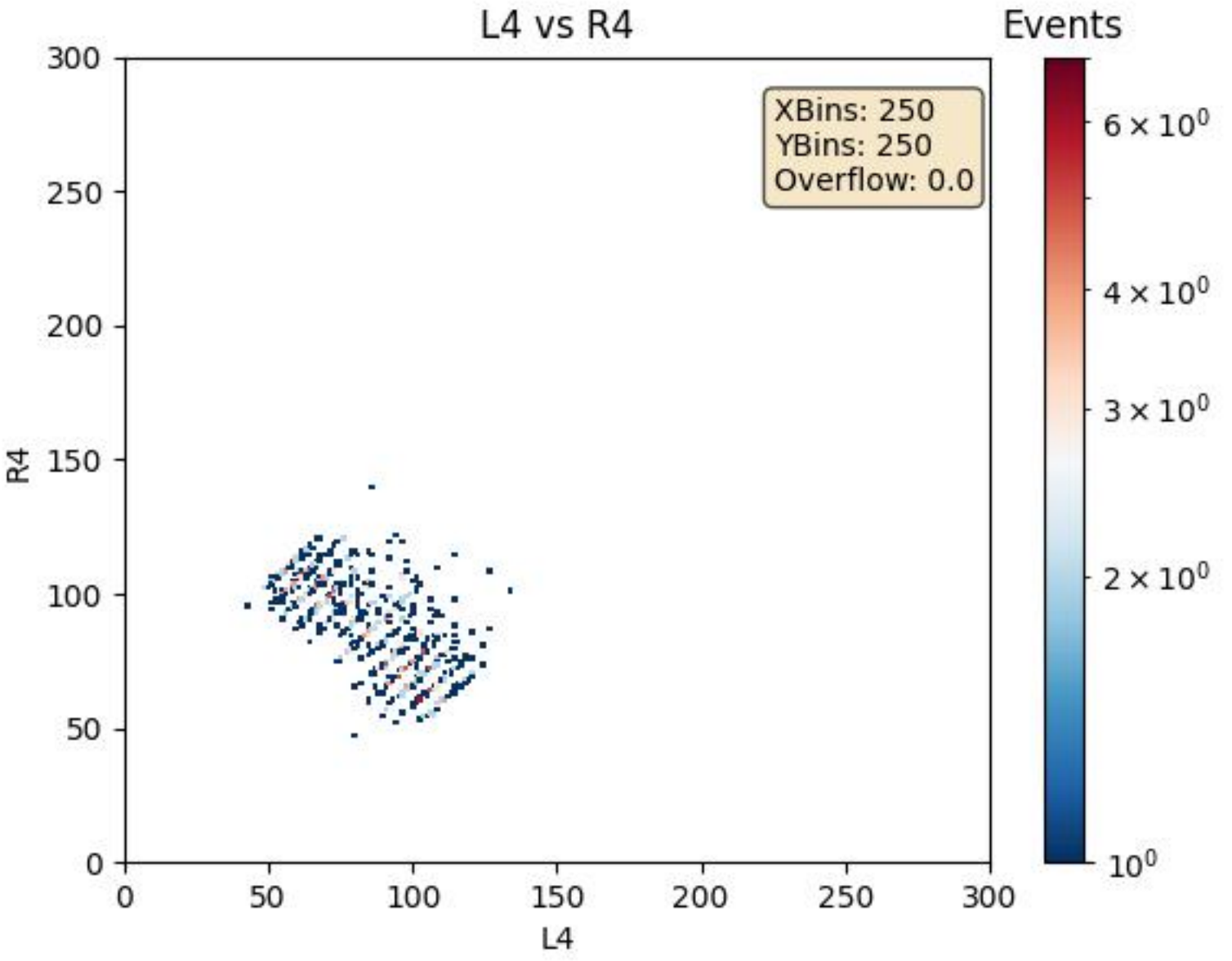

(High Binning) Asymmetry: L1 vs L4
Events
XBins: 1000
YBins: 1000
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
3×10^0
2×10^0
10^0

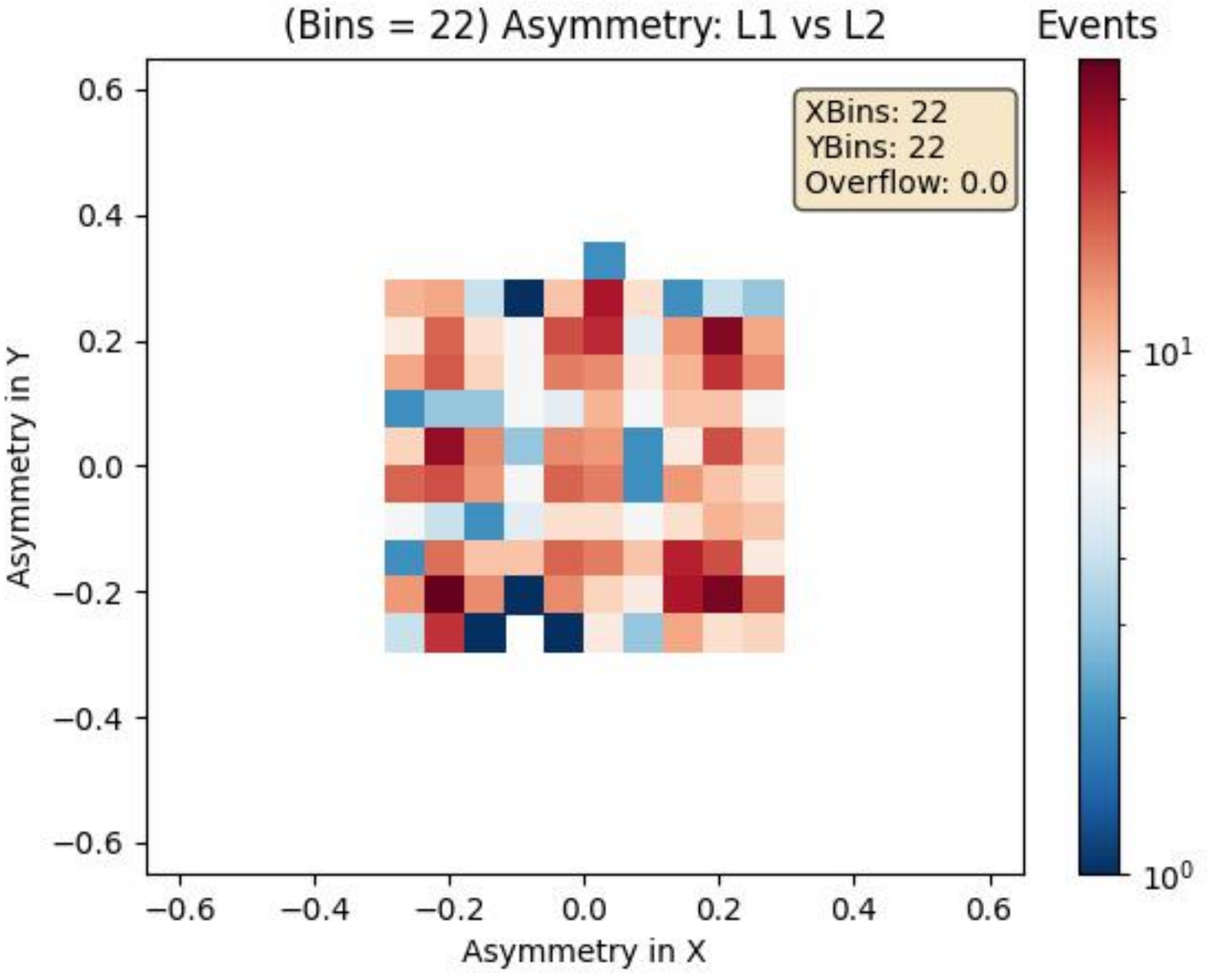

(High Binning) Asymmetry: L2 vs L3
Events
XBins: 1000
YBins: 1000
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
1.1×10^{0}
1.075×10^{0}
1.05×10^{0}
1.025×10^{0}
10^{0}
9.75×10^{-1}
9.5×10^{-1}
9.25×10^{-1}
9×10^{-1}

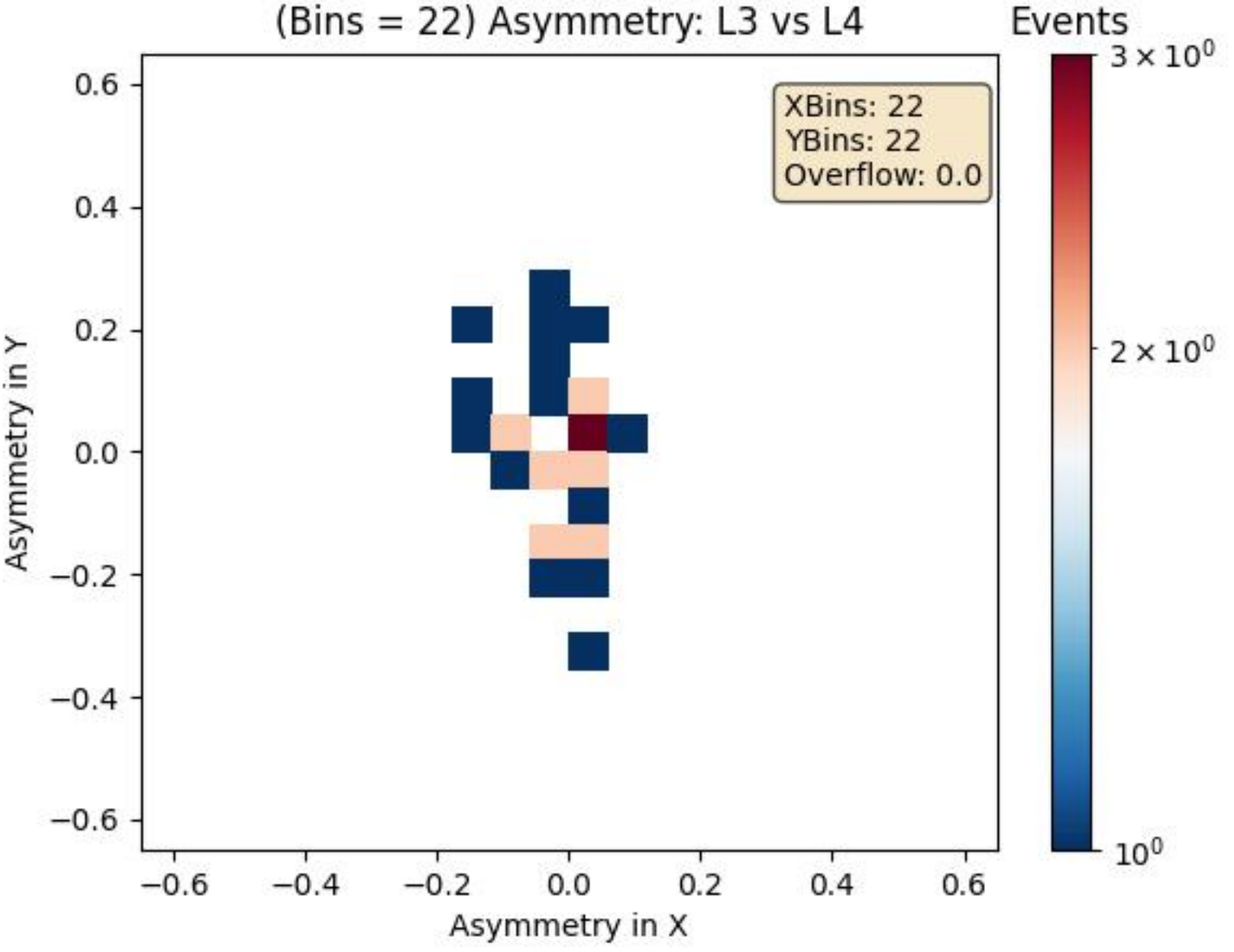

L1 vs R1
Events
XBins: 250
YBins: 250
Overflow: 0.0
R1
L1
0
50
100
150
200
250
300
10^1
10^0

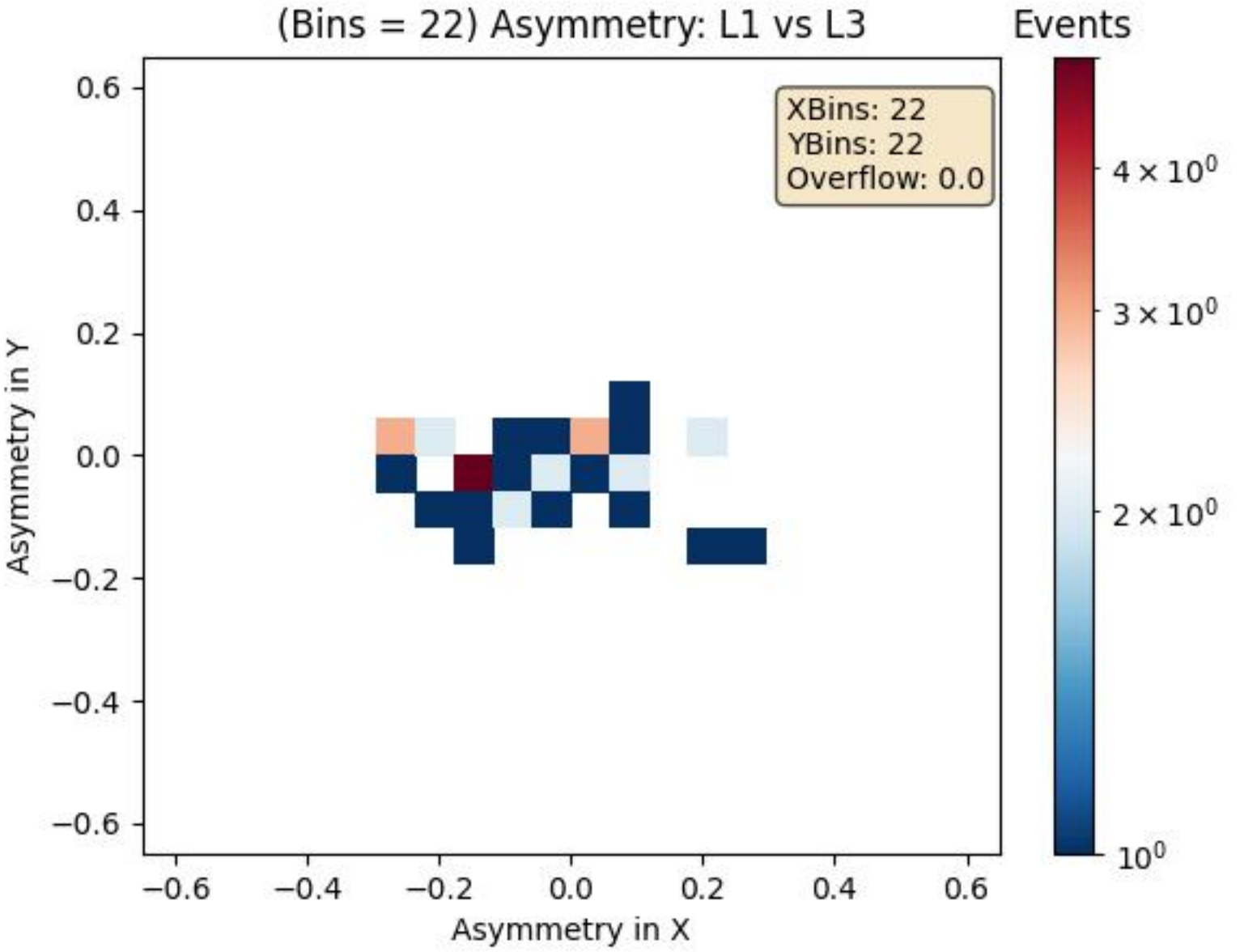

L2 vs R2
Events
XBins: 250
YBins: 250
Overflow: 0.0
R2
L2
0
50
100
150
200
250
300
10^1
10^0

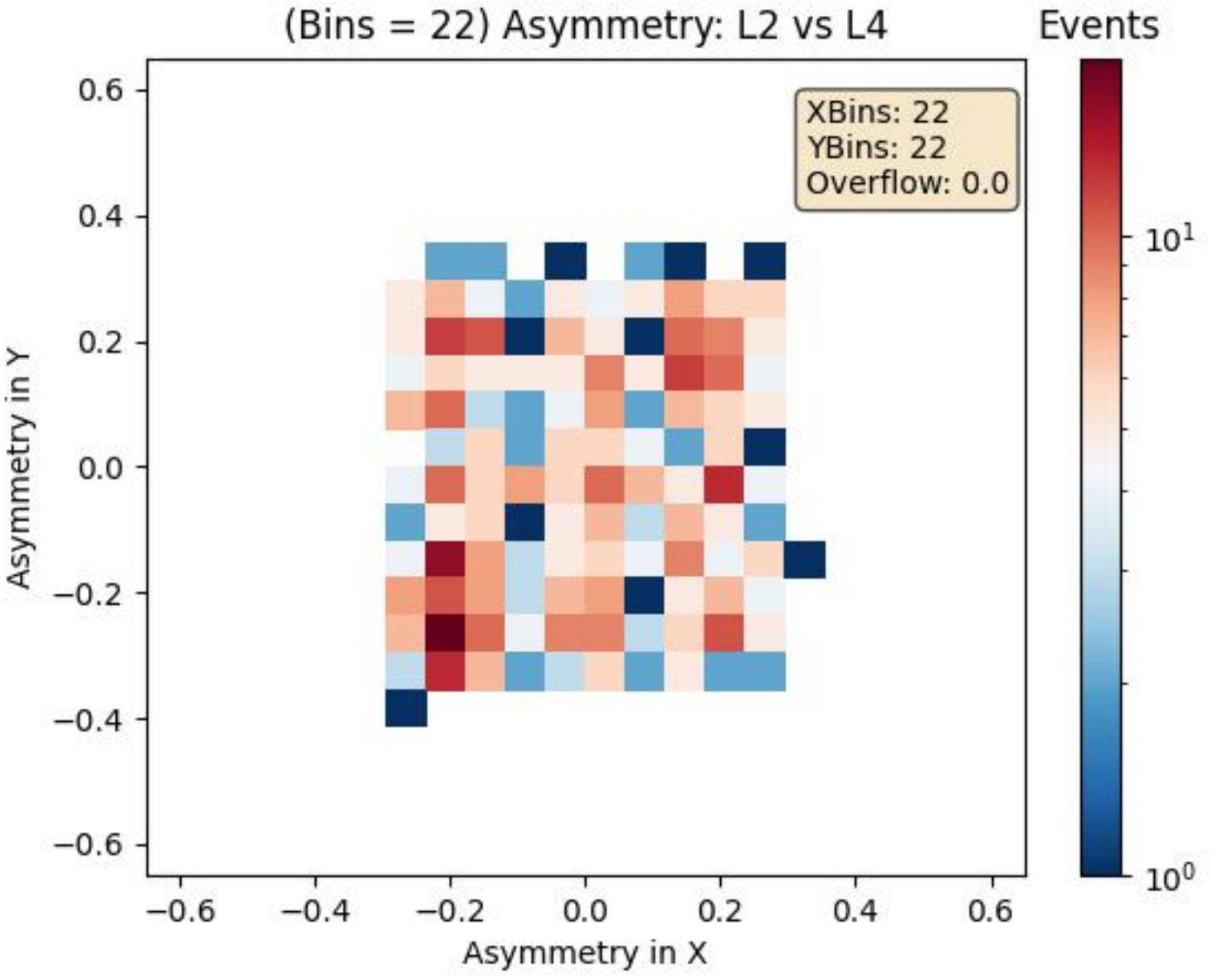

L3 vs R3
Events
XBins: 250
YBins: 250
Overflow: 0.0
R3
L3
0
50
100
150
200
250
300
2×10^0
1.8×10^0
1.6×10^0
1.4×10^0
1.2×10^0
10^0

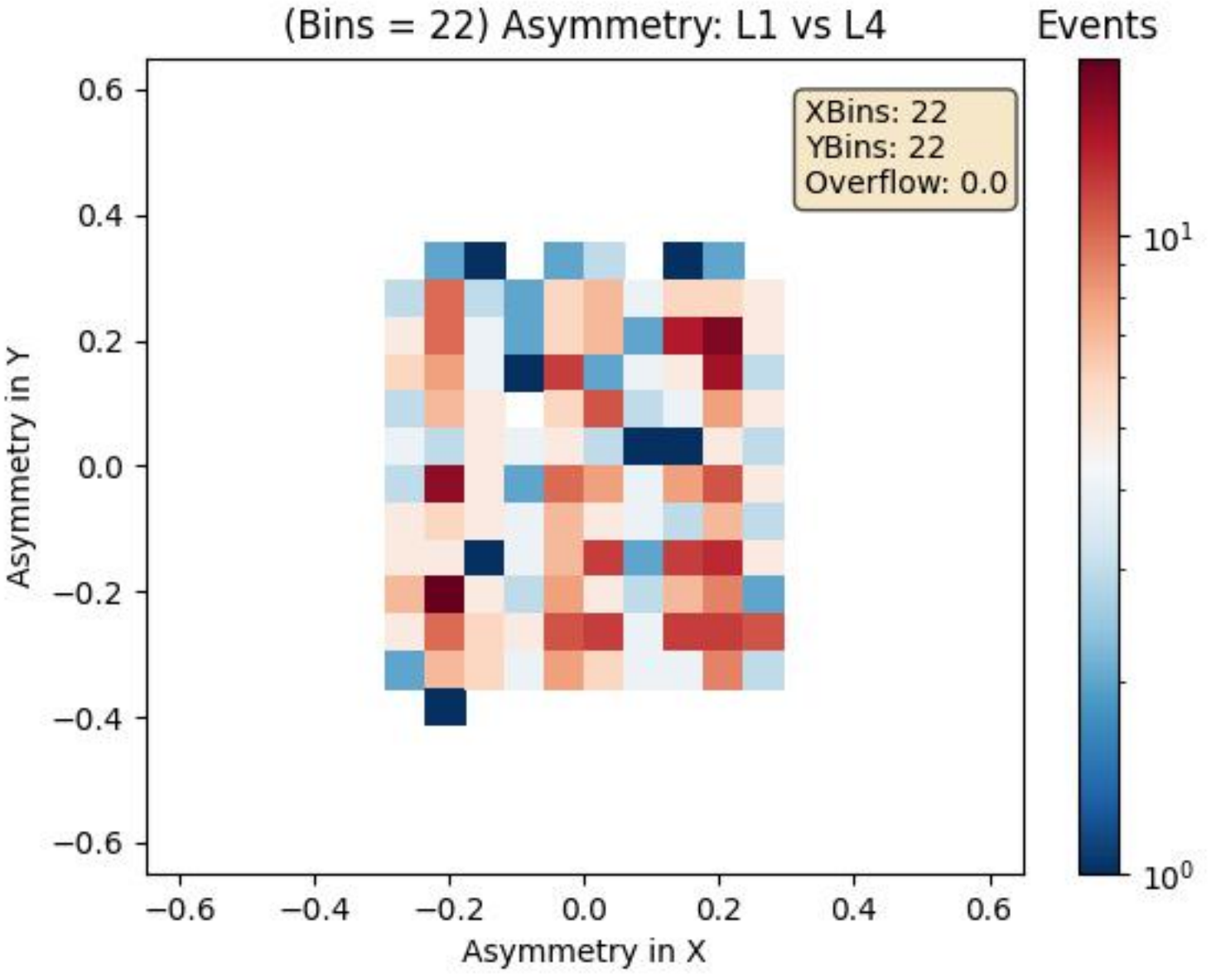

L4 vs R4
Events
XBins: 250
YBins: 250
Overflow: 0.0
R4
L4
0
50
100
150
200
250
300
6×10^0
4×10^0
3×10^0
2×10^0
10^0

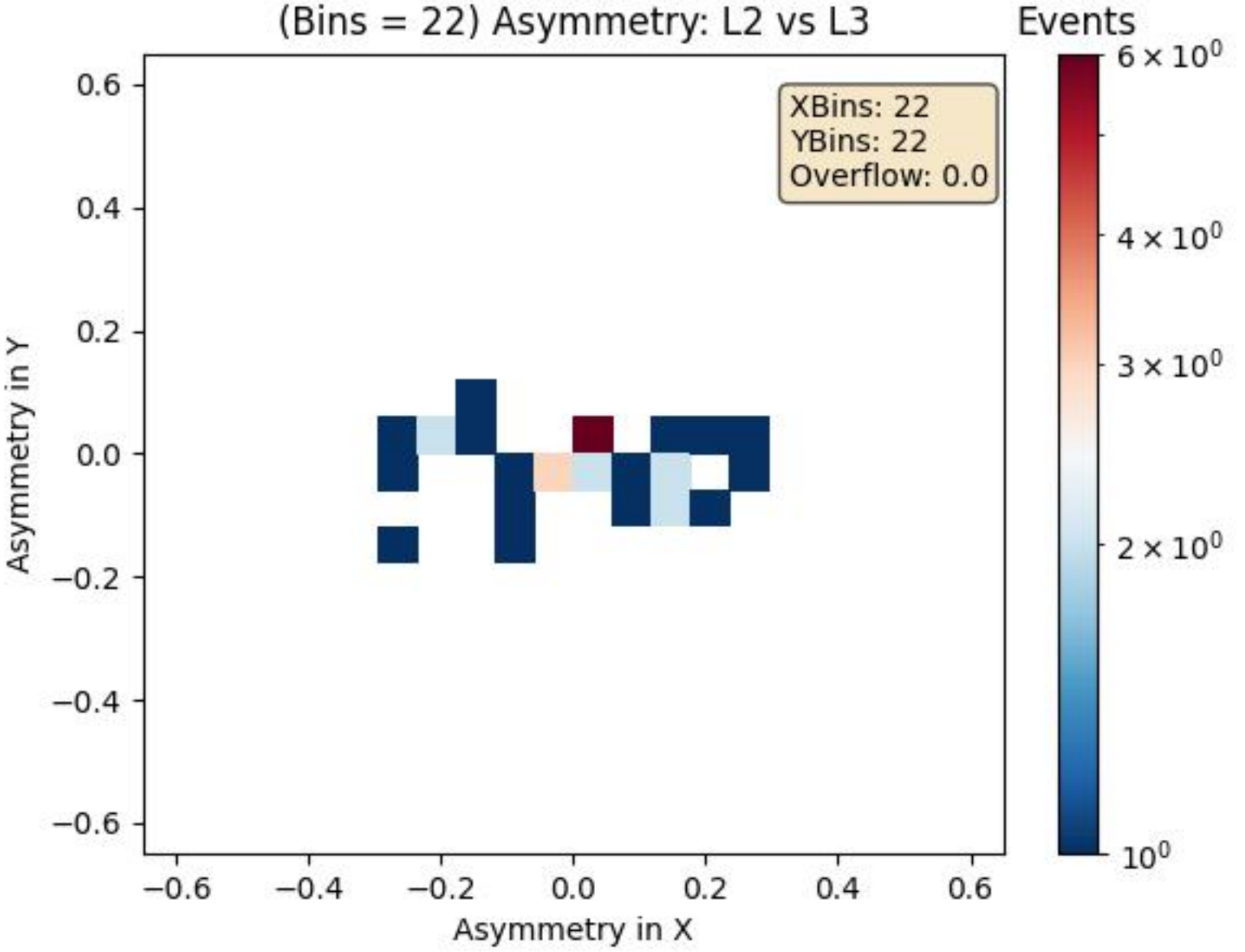

(Bins = 22) Asymmetry: L1 vs L2
Events
XBins: 22
YBins: 22
Overflow: 0.0
Asymmetry in Y
Asymmetry in X
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
10^1
10^0


(Bins = 22) Asymmetry: L3 vs L4
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
3×10^0
2×10^0
10^0


(Bins = 22) Asymmetry: L1 vs L3
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
4×10^0
3×10^0
2×10^0
10^0


(Bins = 22) Asymmetry: L2 vs L4
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
10^1
10^0


(Bins = 22) Asymmetry: L1 vs L4
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
10^1
10^0


(Bins = 22) Asymmetry: L2 vs L3
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
6×10^0
4×10^0
3×10^0
2×10^0
10^0