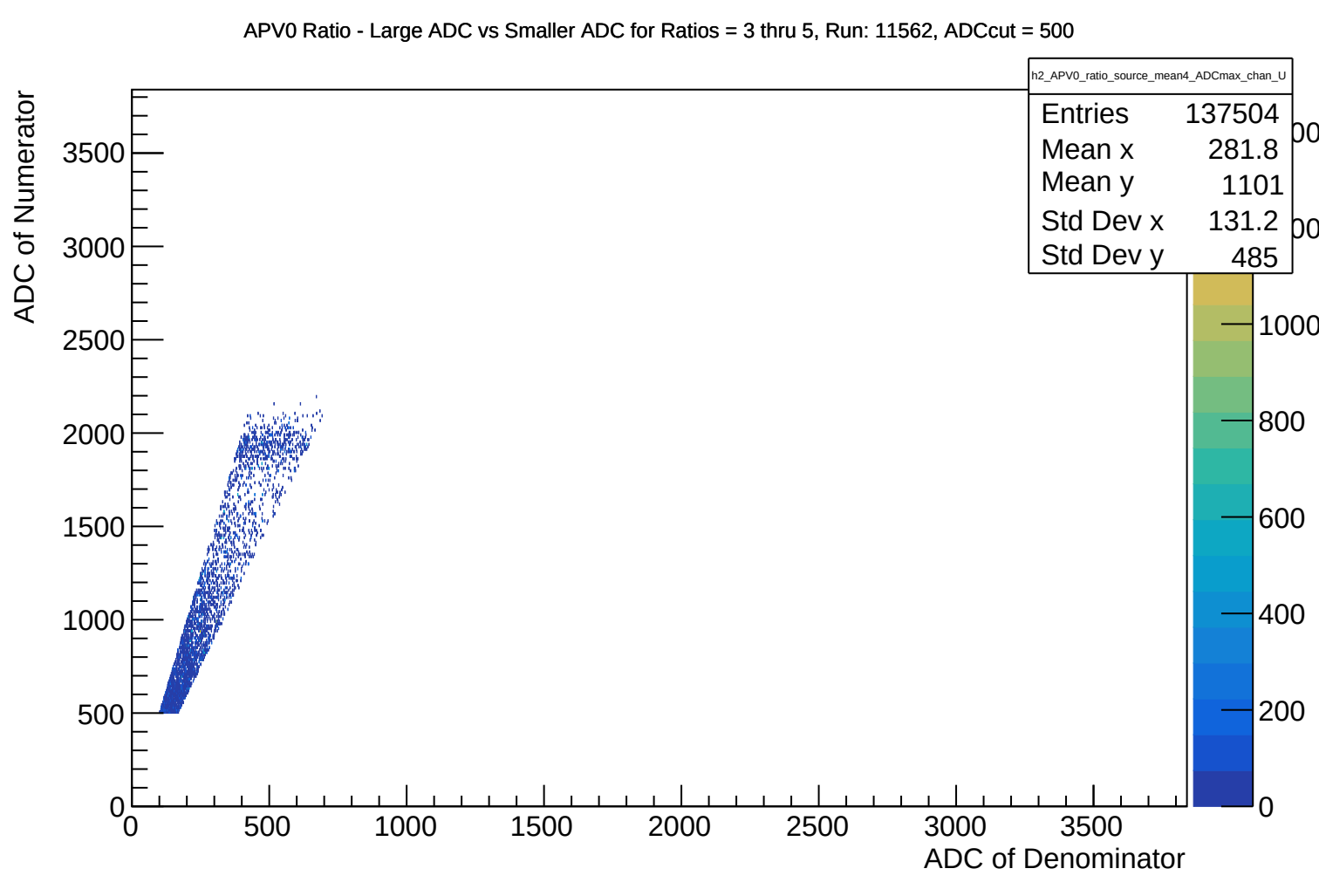
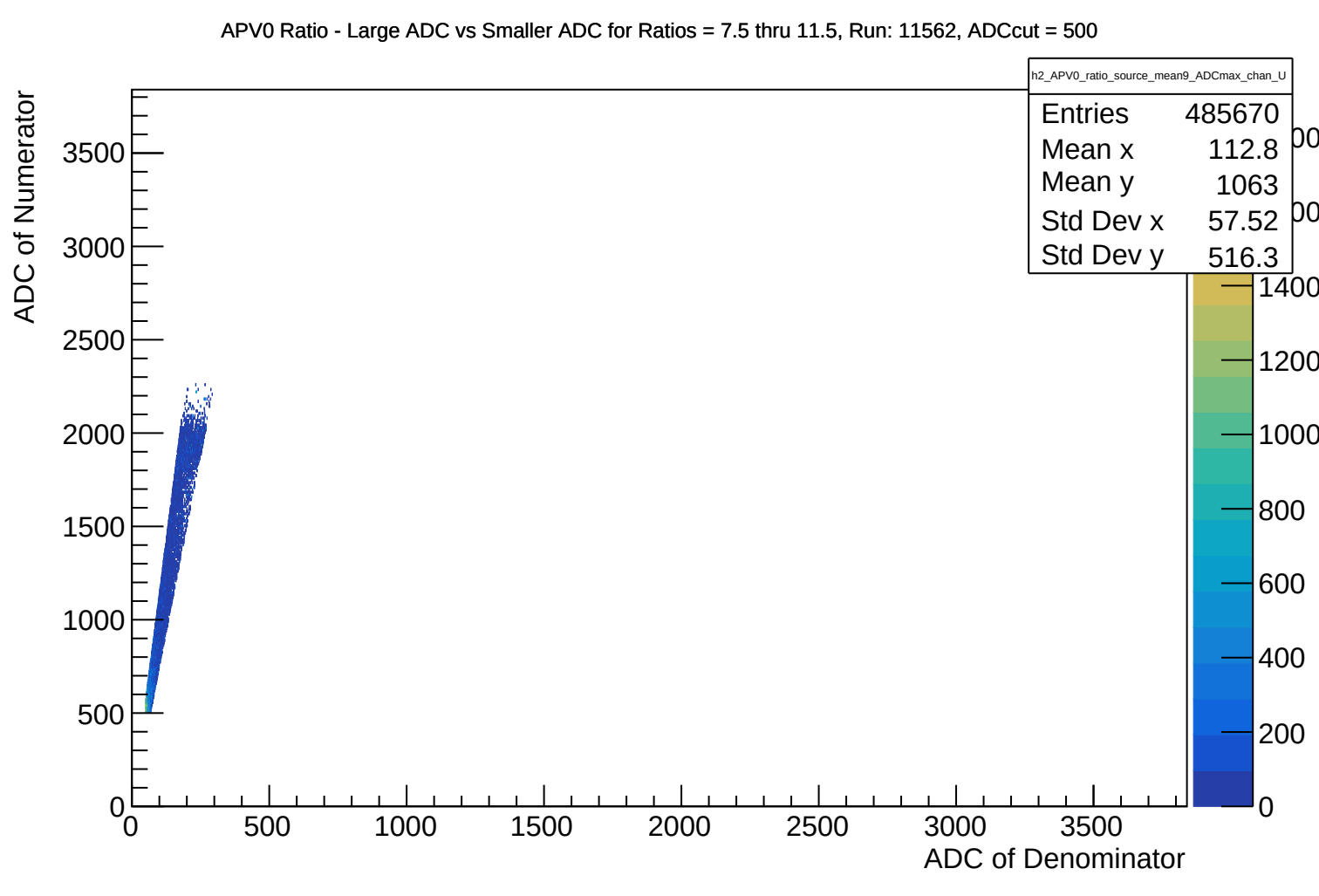
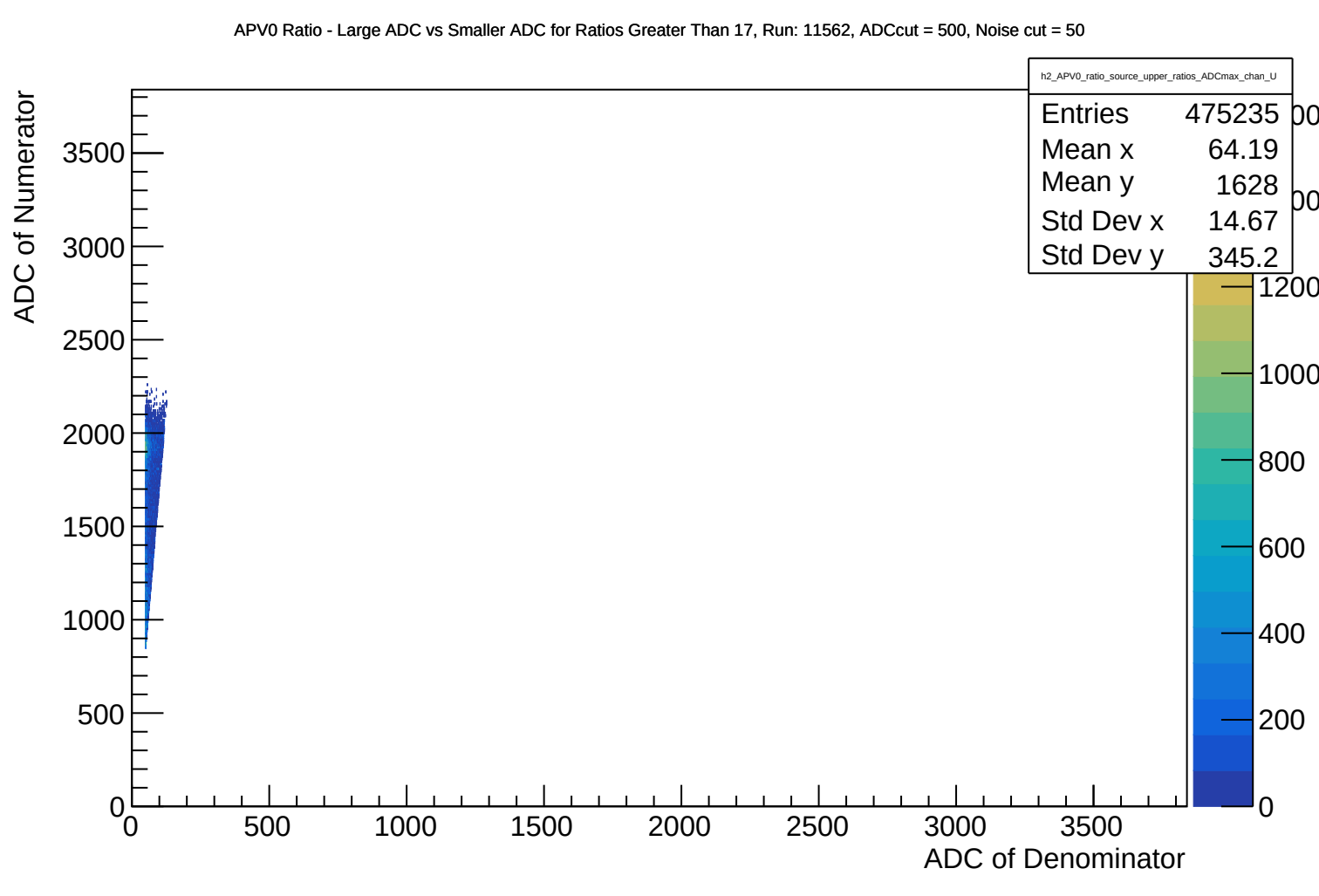
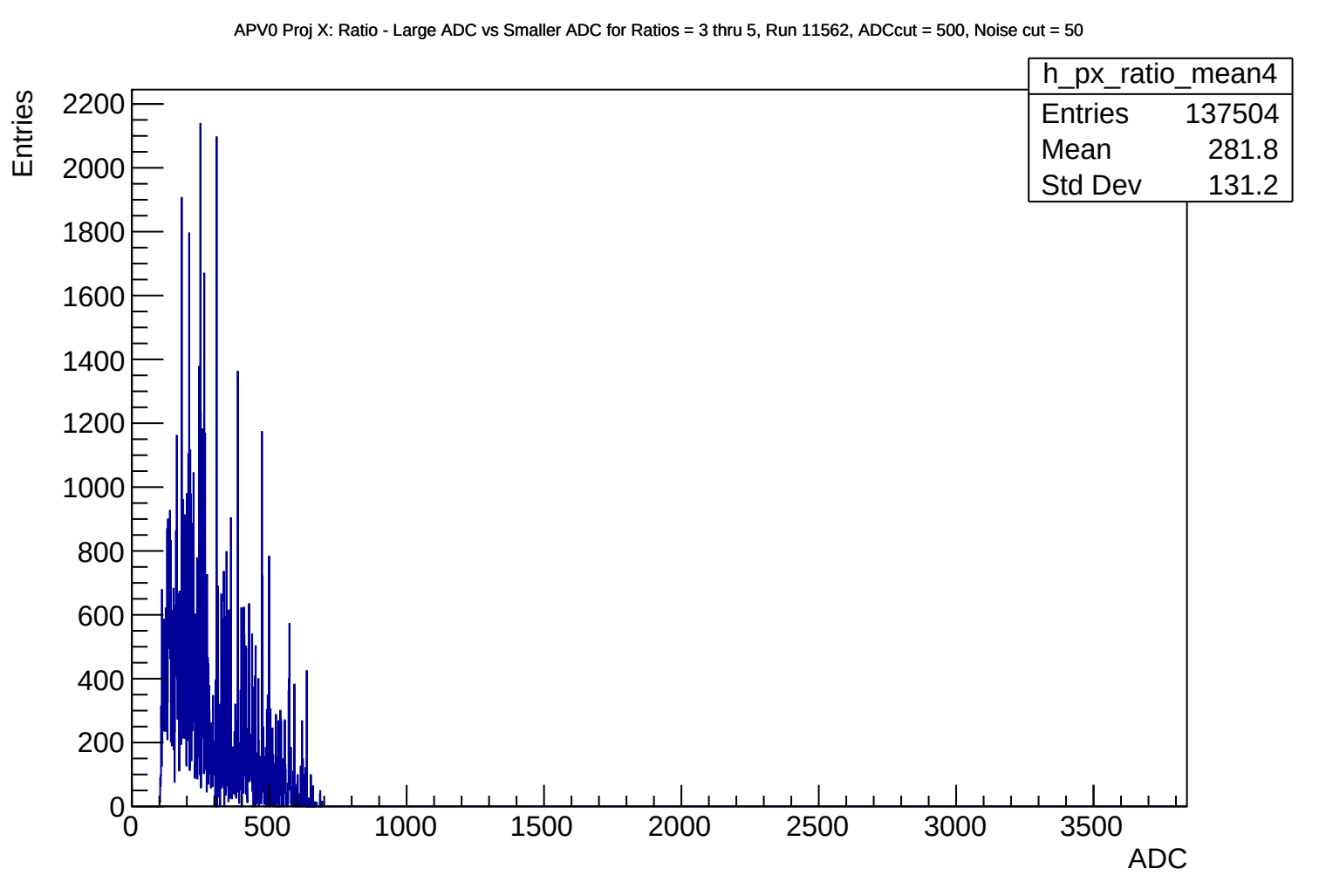
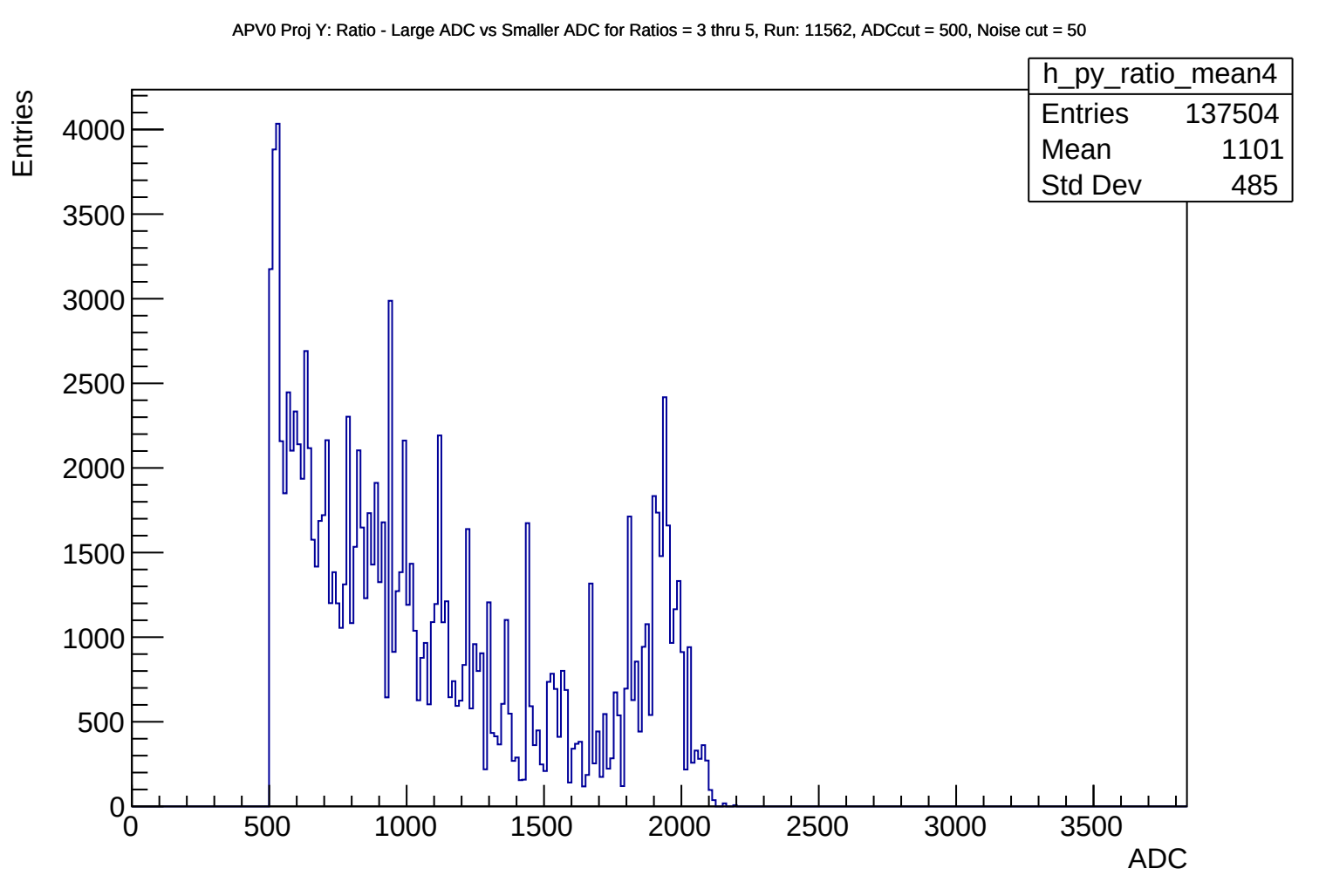
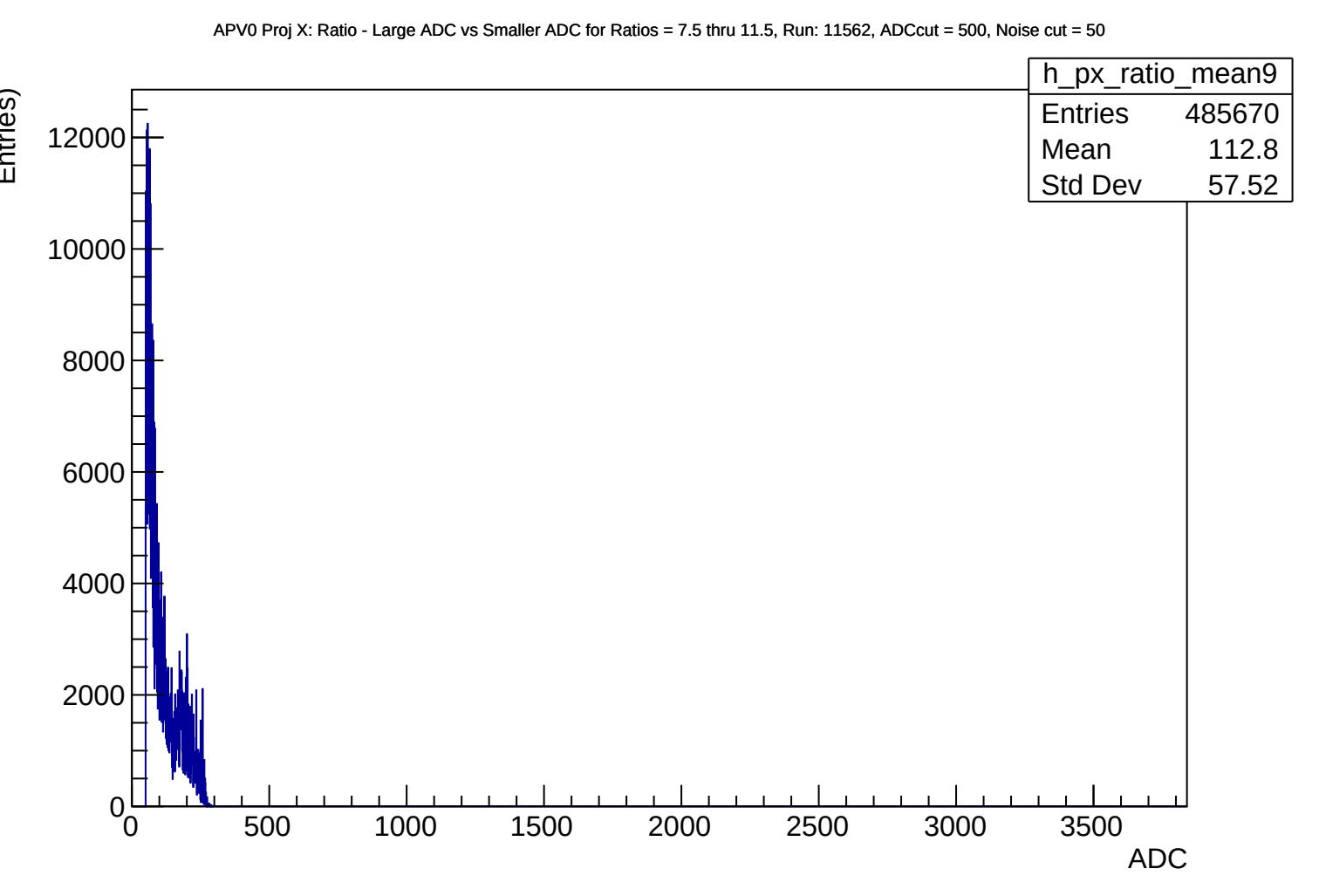

APV0 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV0_ratio_source_mean4_ADCmax_chan_U
Entries 137504
Mean x 281.8
Mean y 1101
Std Dev x 131.2
Std Dev y 485
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1000

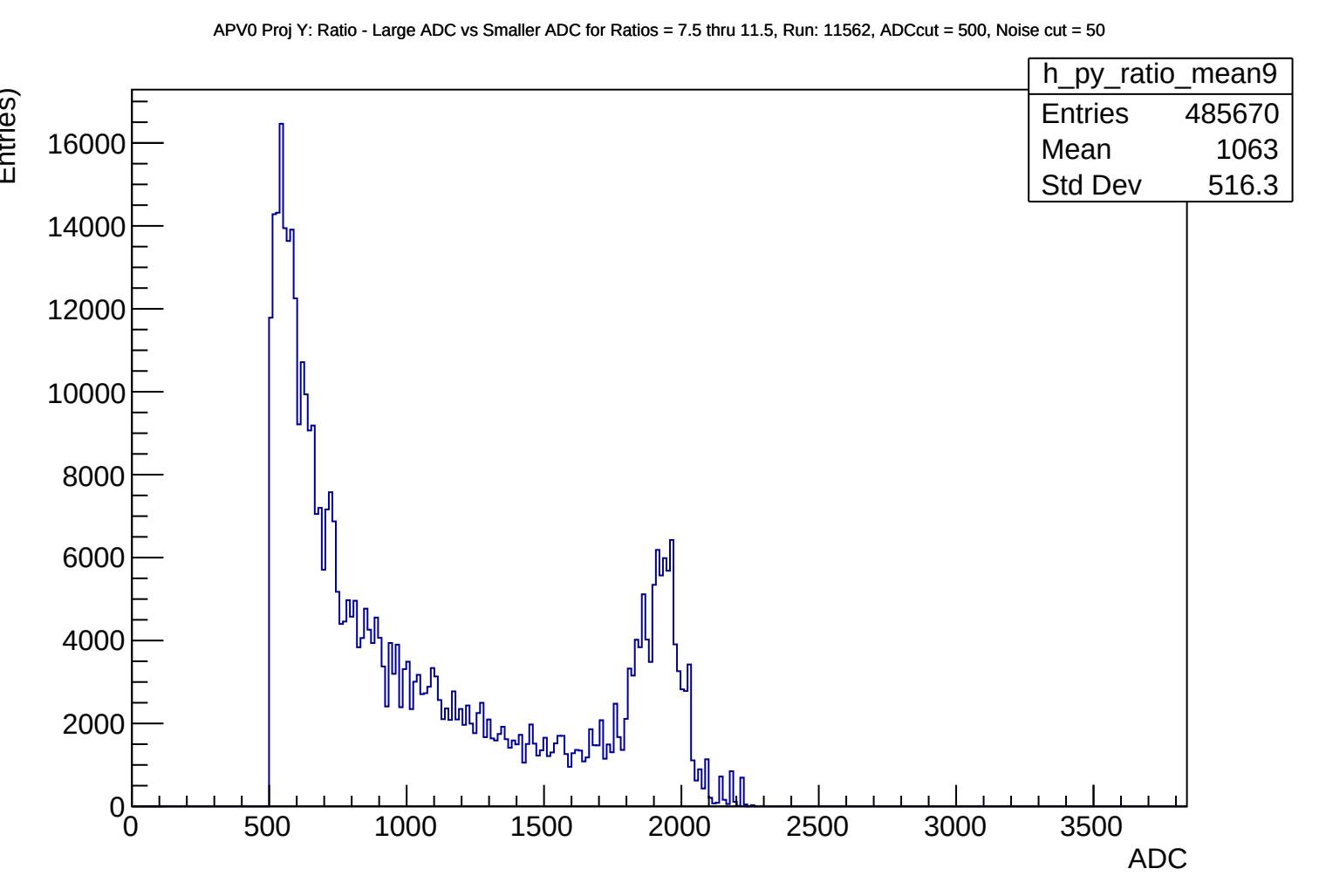

APV0 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV0_ratio_source_mean9_ADCmax_chan_U
Entries 485670
Mean x 112.8
Mean y 1063
Std Dev x 57.52
Std Dev y 516.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200
1400

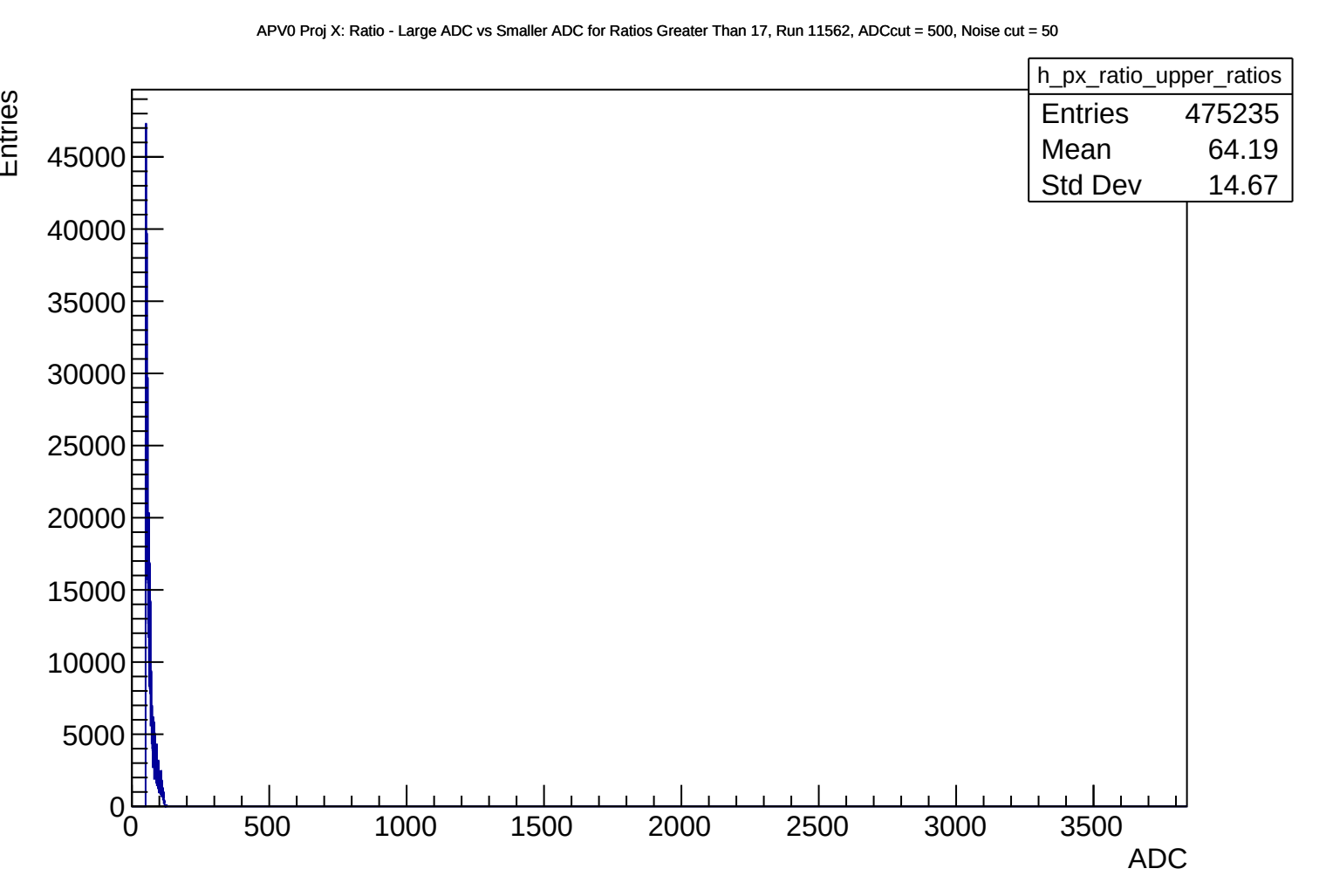

APV0 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV0_ratio_source_upper_ratios_ADCmax_chan_U
Entries 475235
Mean x 64.19
Mean y 1628
Std Dev x 14.67
Std Dev y 345.2
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1000
1200

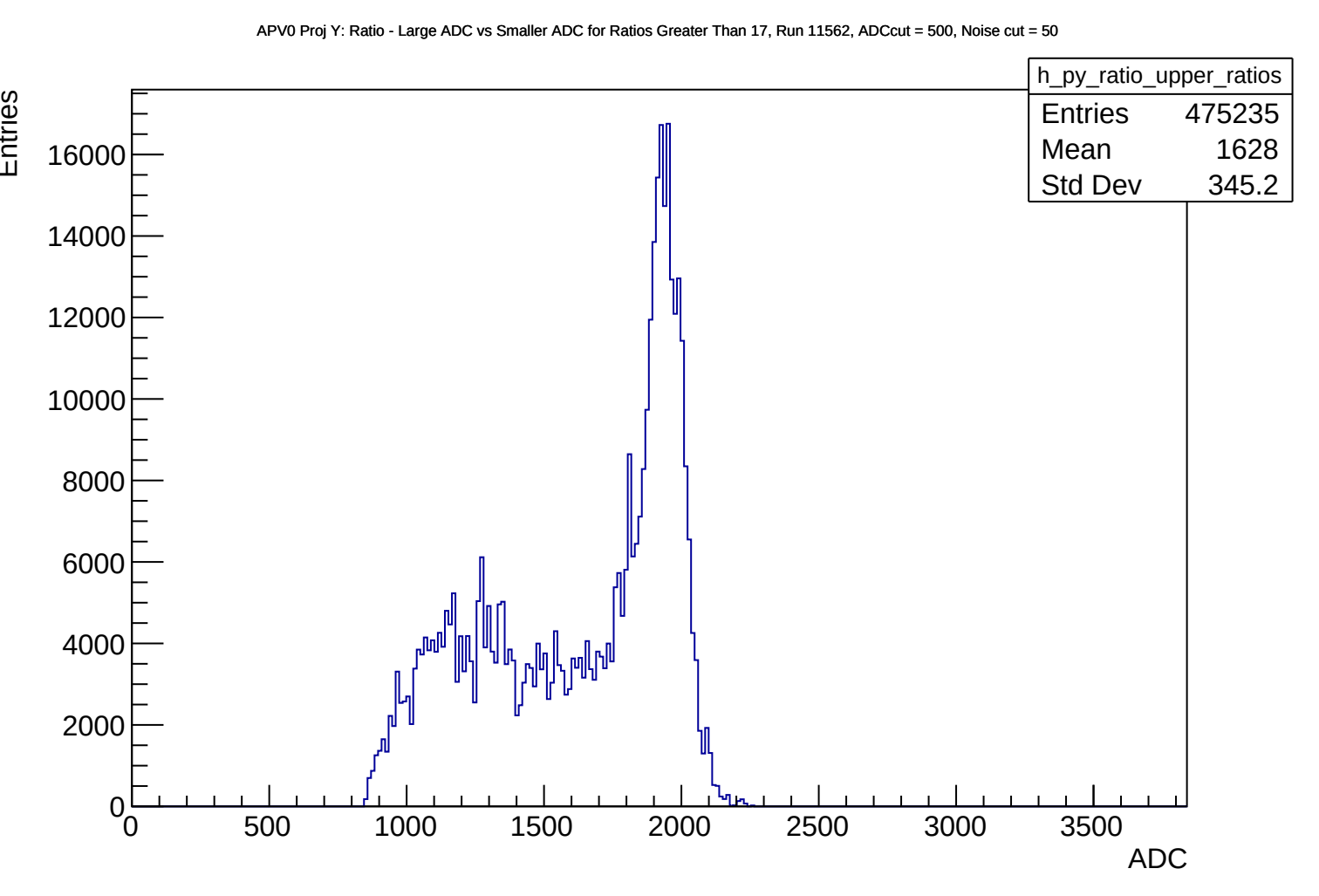

APV0 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 137504
Mean 281.8
Std Dev 131.2
Entries
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
3500
ADC

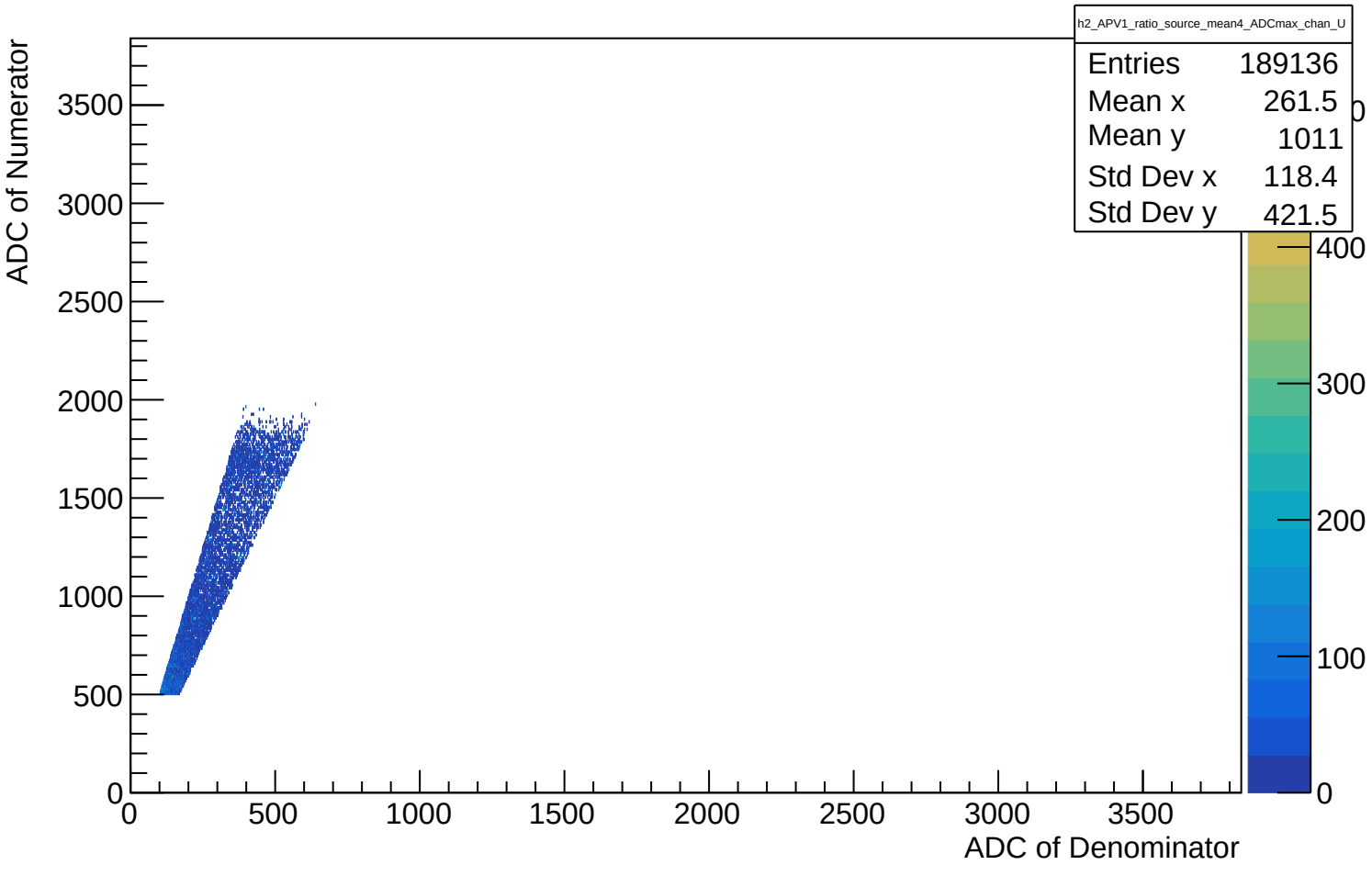

APV0 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 137504
Mean 1101
Std Dev 485
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500
4000

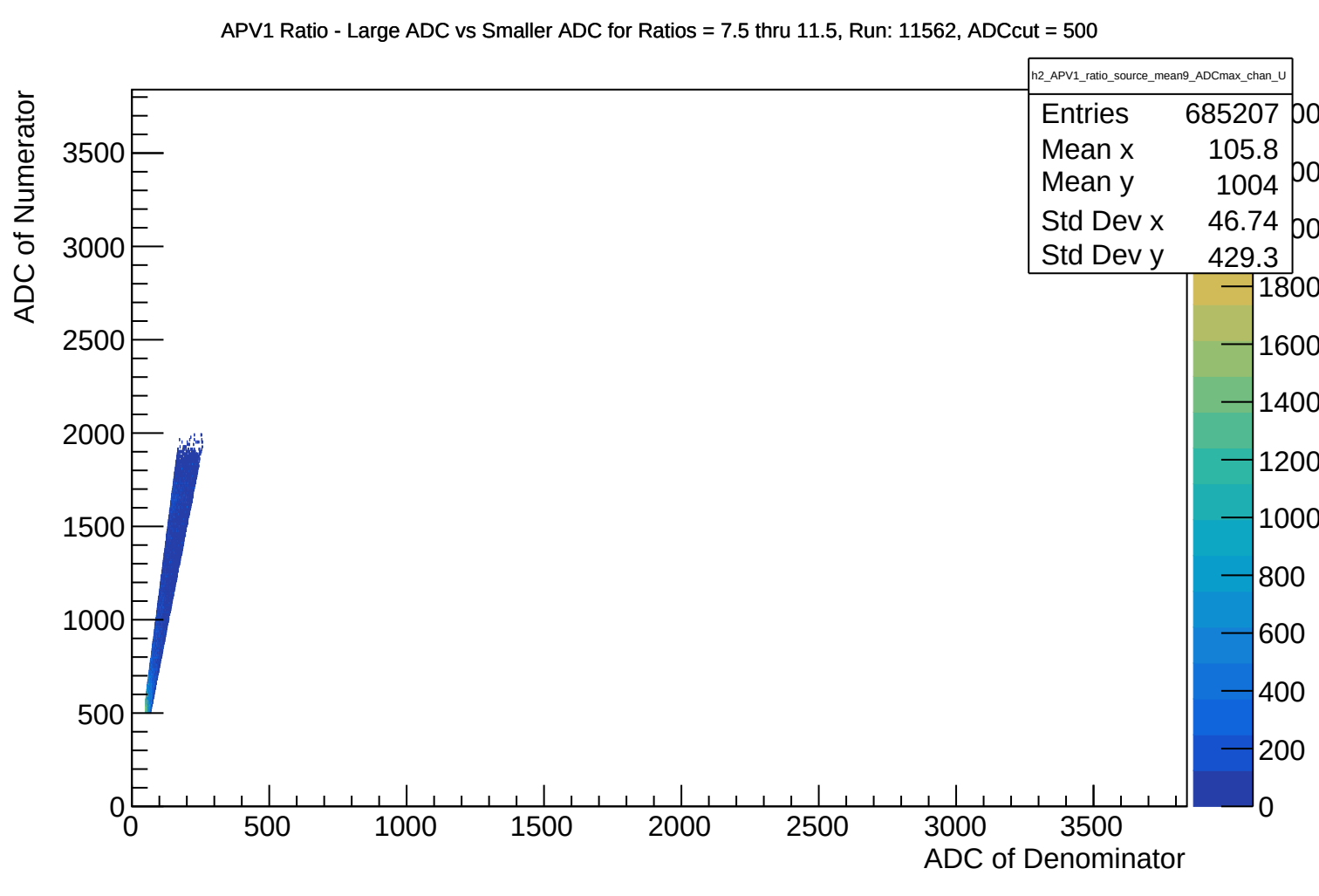

APV0 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 485670
Mean 112.8
Std Dev 57.52
Entries)
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

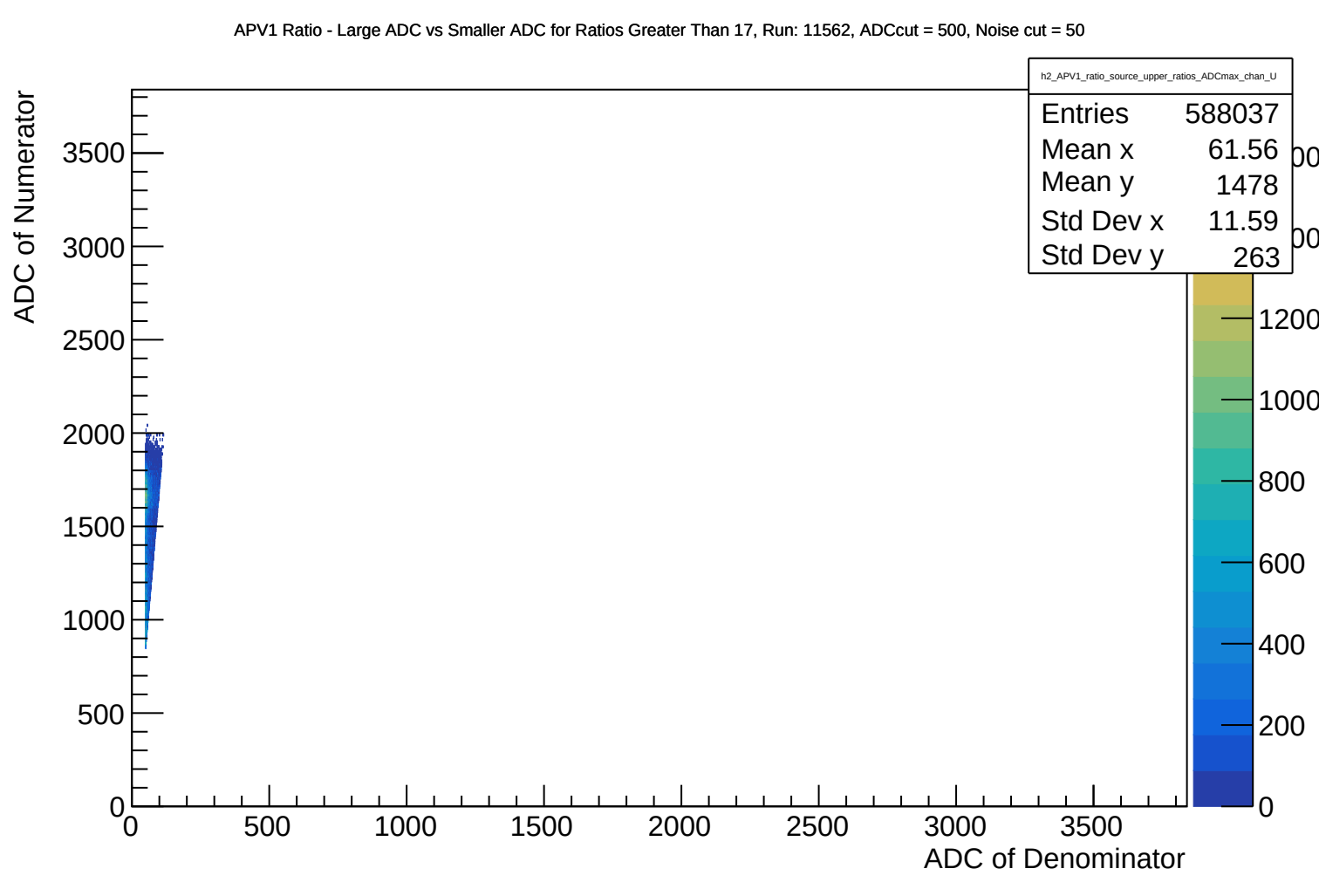

APV0 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 485670
Mean 1063
Std Dev 516.3
Entries)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

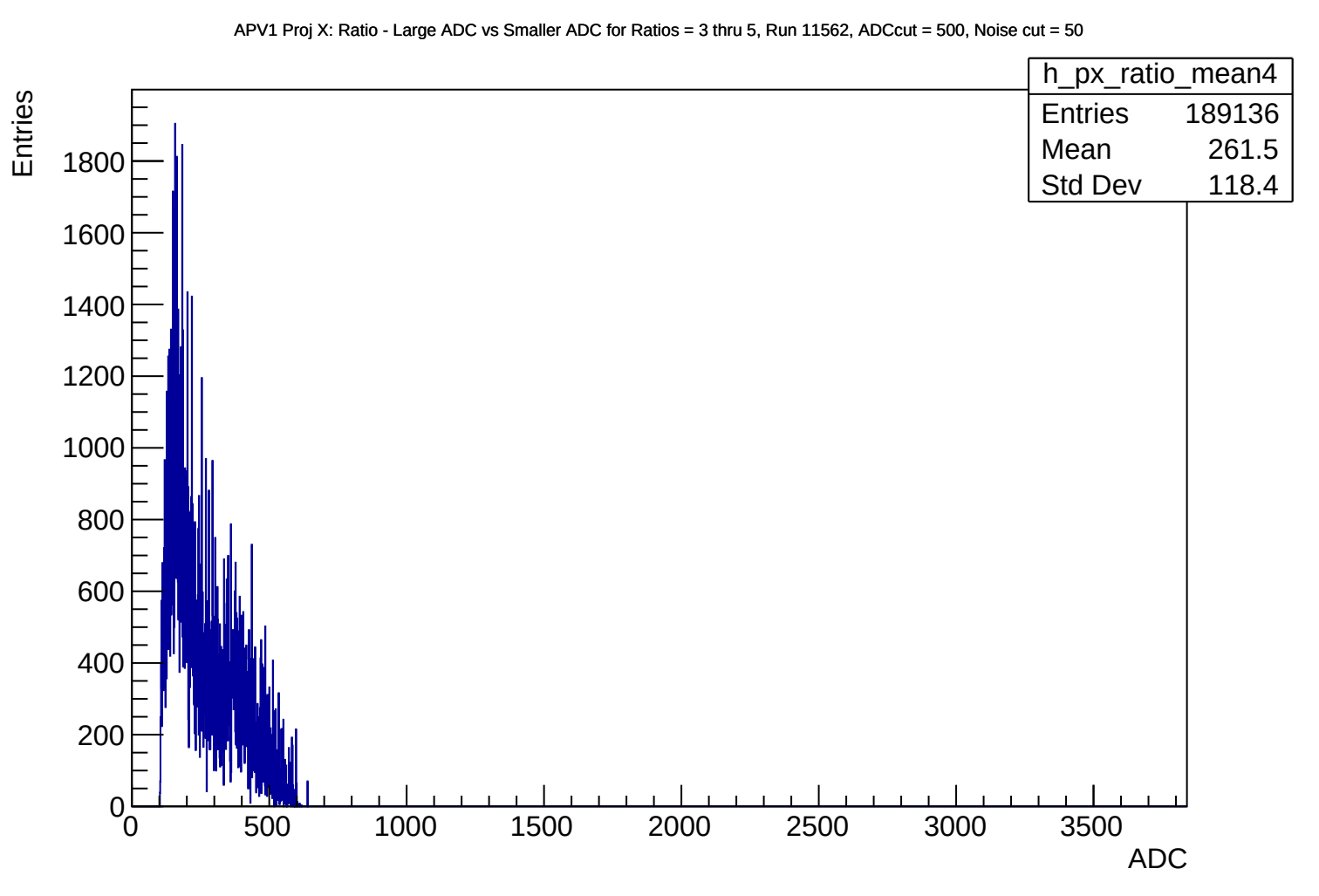

APV0 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 475235
Mean 64.19
Std Dev 14.67
Entries
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

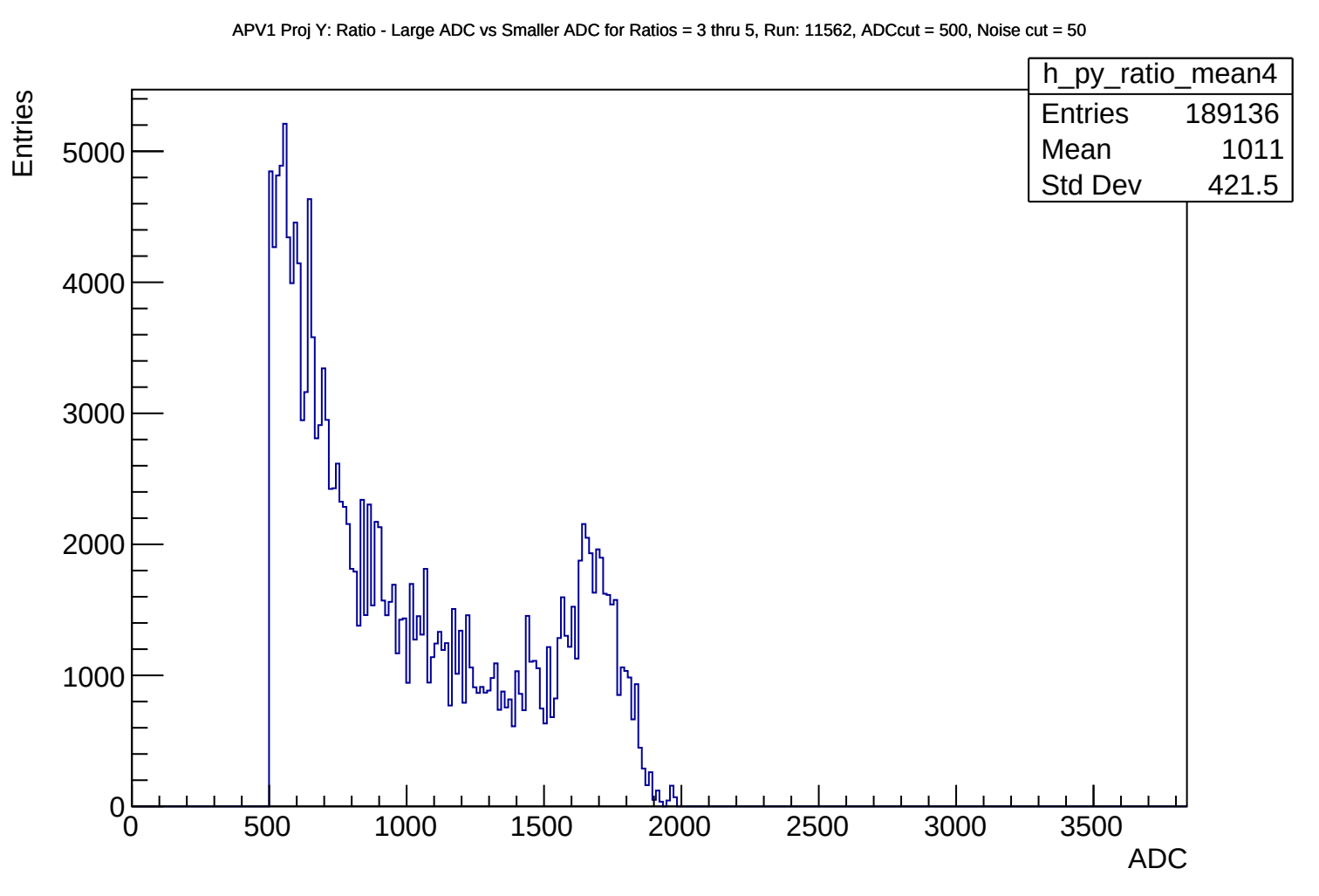

APV0 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 475235
Mean 1628
Std Dev 345.2
Entries
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

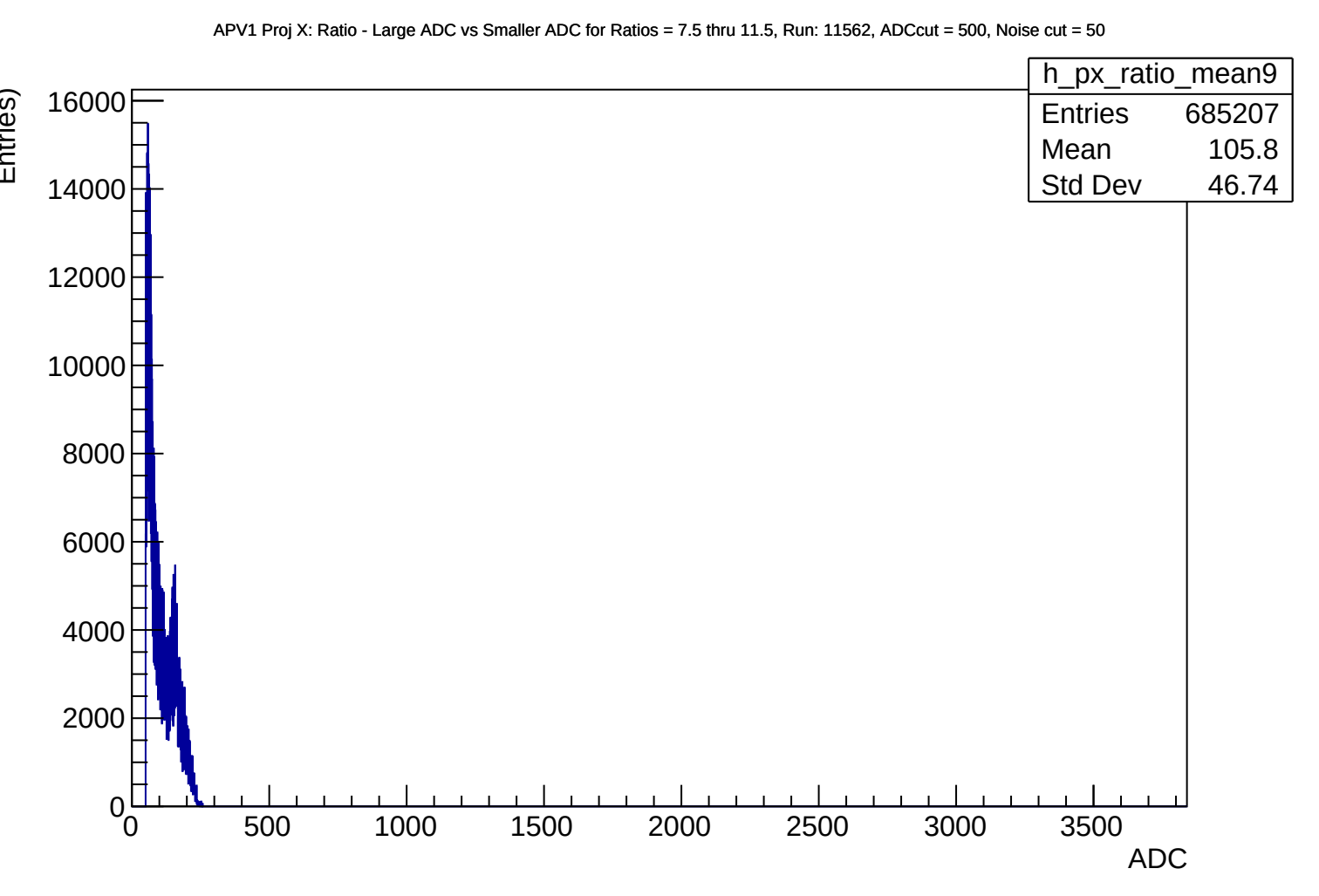

APV1 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV1_ratio_source_mean4_ADCmax_chan_U
Entries 189136
Mean x 261.5
Mean y 1011
Std Dev x 118.4
Std Dev y 421.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

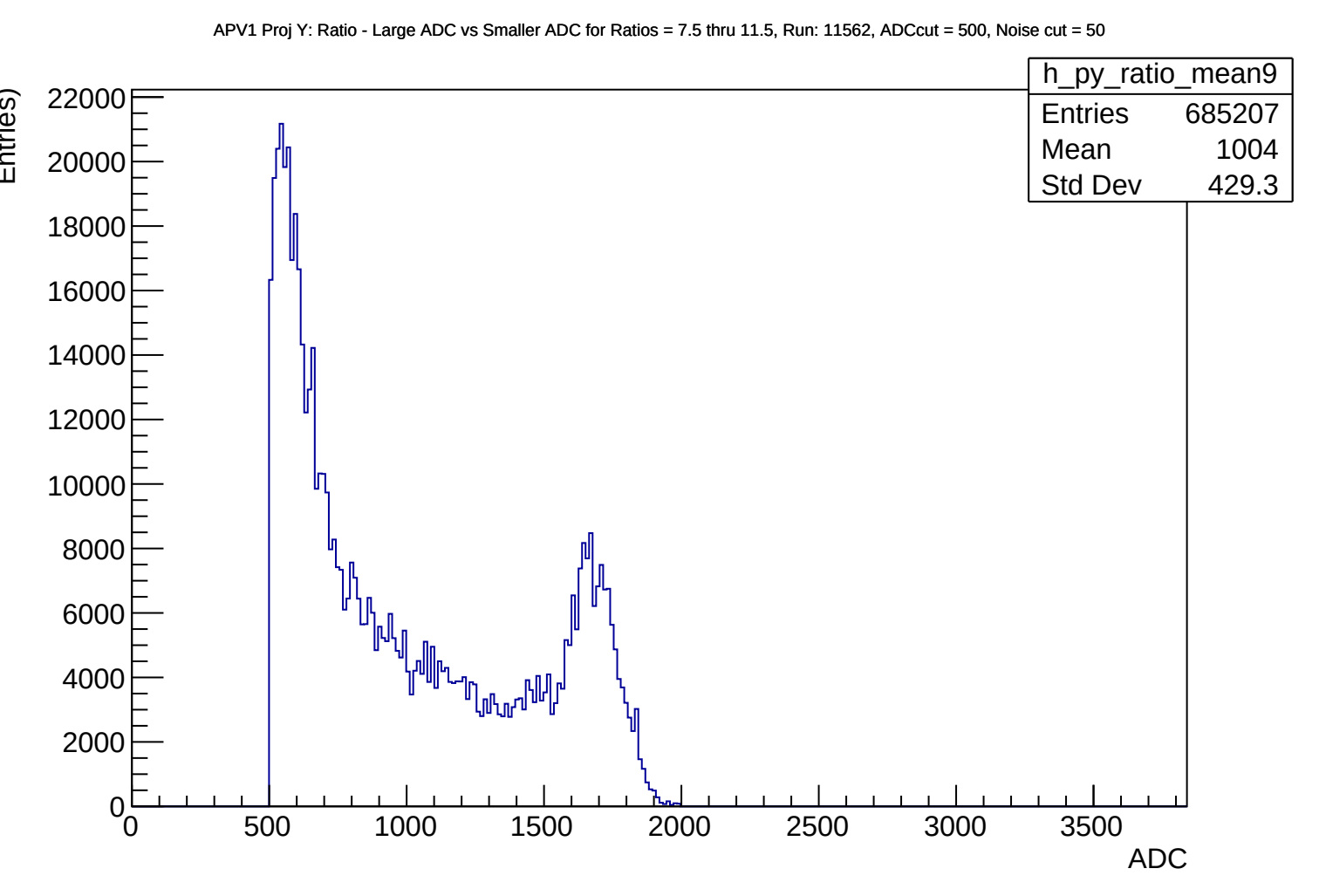

APV1 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV1_ratio_source_mean9_ADCmax_chan_U
Entries 685207
Mean x 105.8
Mean y 1004
Std Dev x 46.74
Std Dev y 429.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1000
1200
1400
1600
1800


APV1 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV1_ratio_source_upper_ratios_ADCmax_chan_U
Entries 588037
Mean x 61.56
Mean y 1478
Std Dev x 11.59
Std Dev y 263
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1000
1200

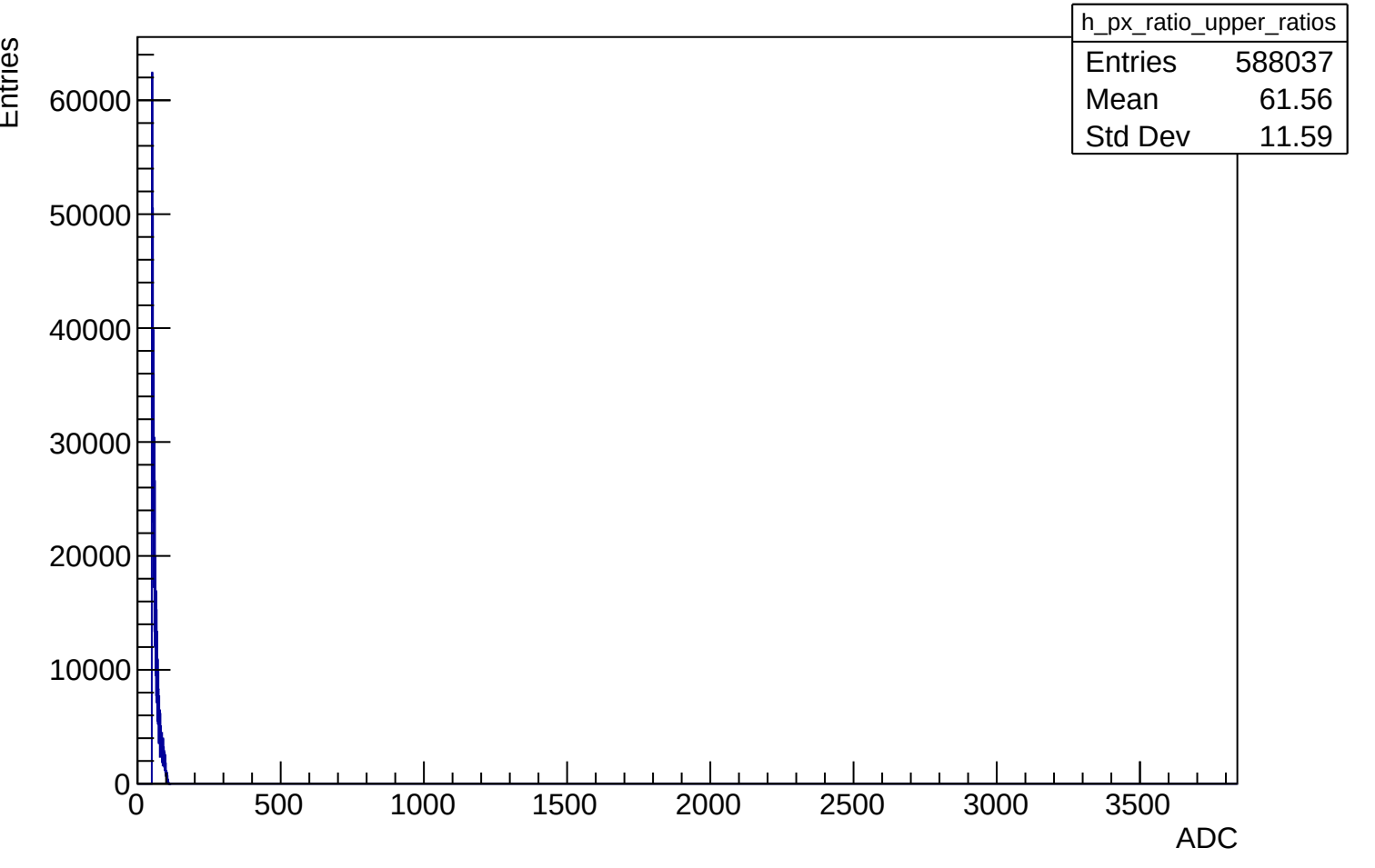

APV1 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 189136
Mean 261.5
Std Dev 118.4
Entries
0
200
400
600
800
1000
1200
1400
1600
1800
0
500
1000
1500
2000
2500
3000
3500
ADC

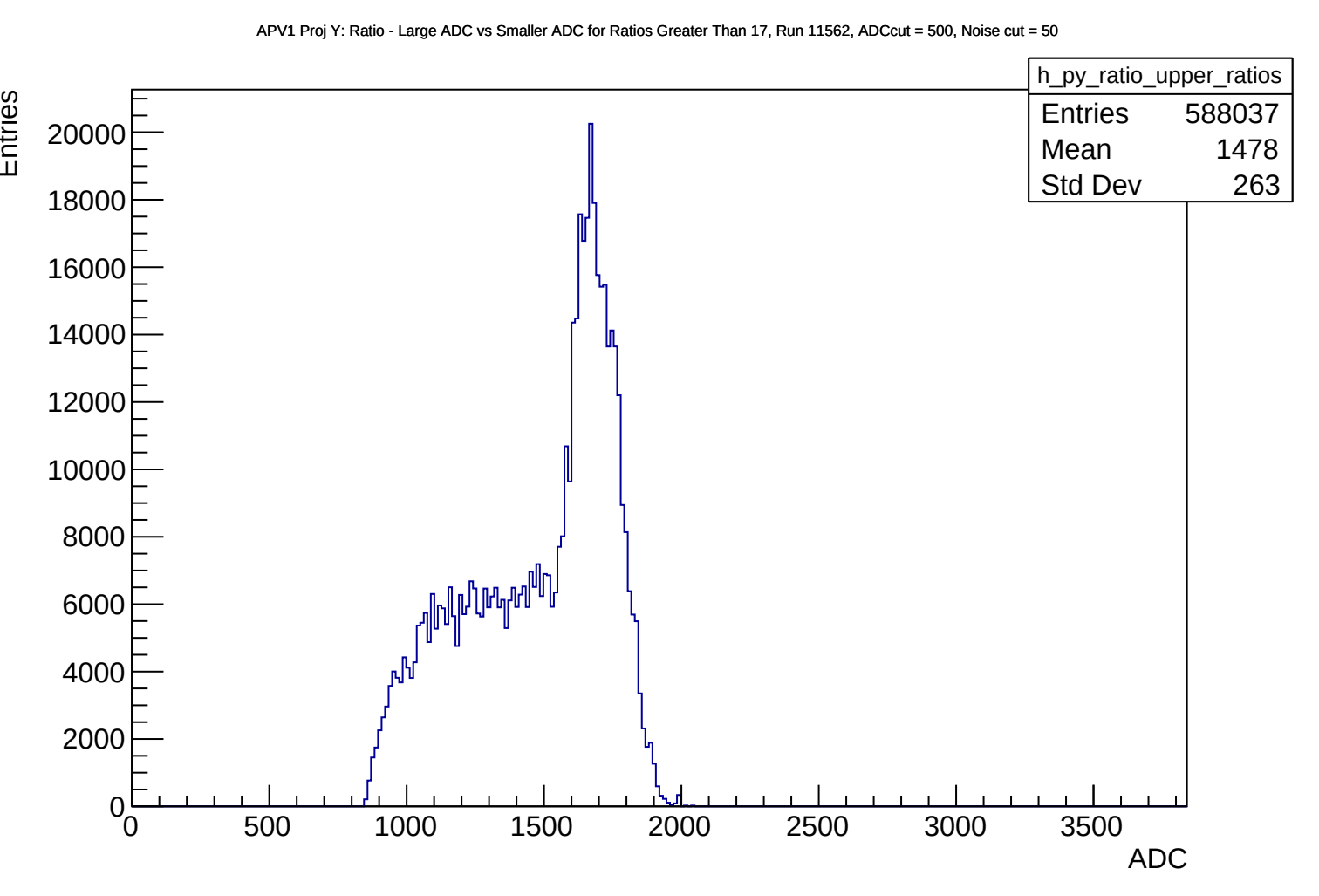

APV1 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 189136
Mean 1011
Std Dev 421.5
Entries
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

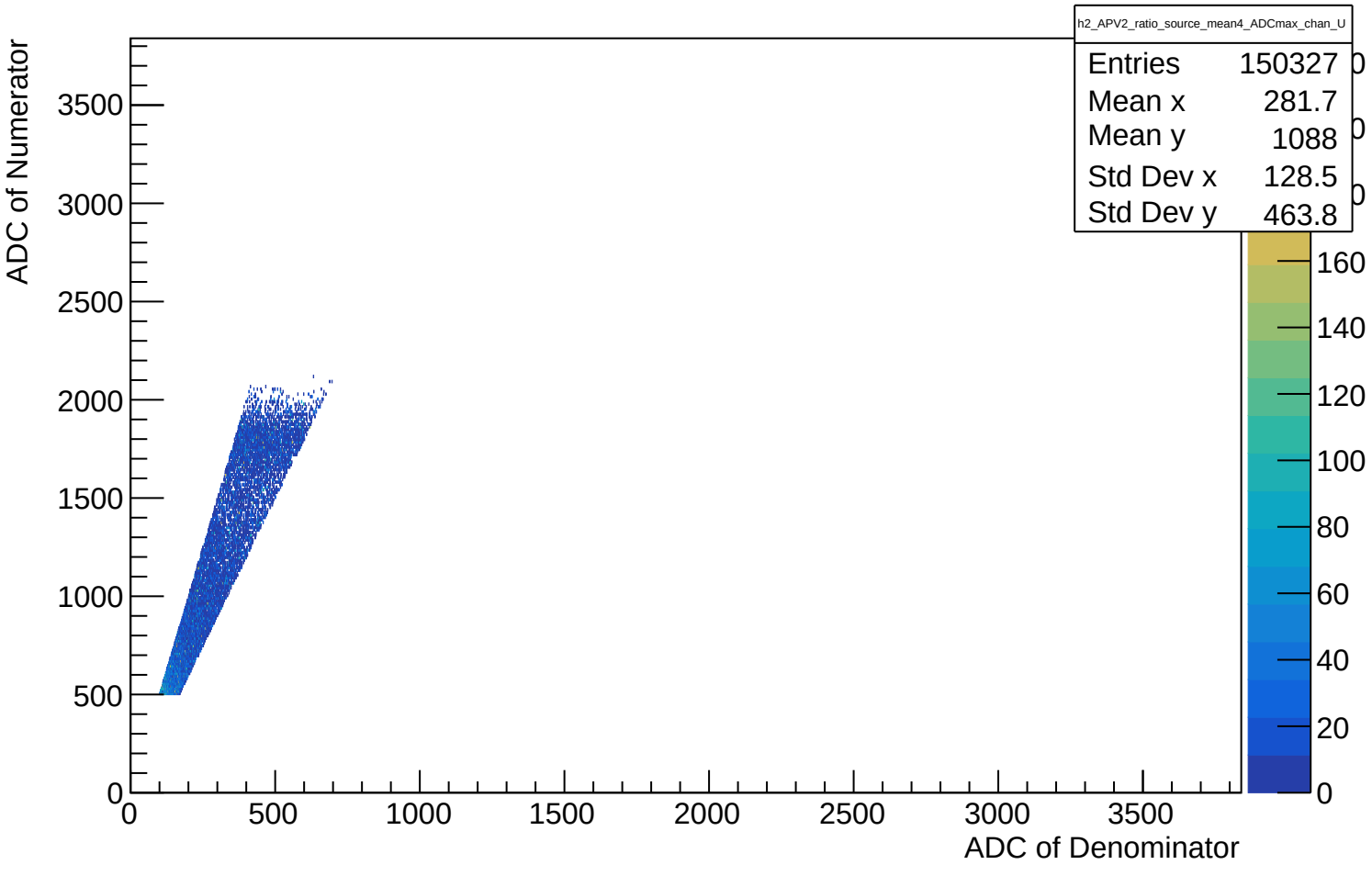

APV1 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 685207
Mean 105.8
Std Dev 46.74
Entries)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

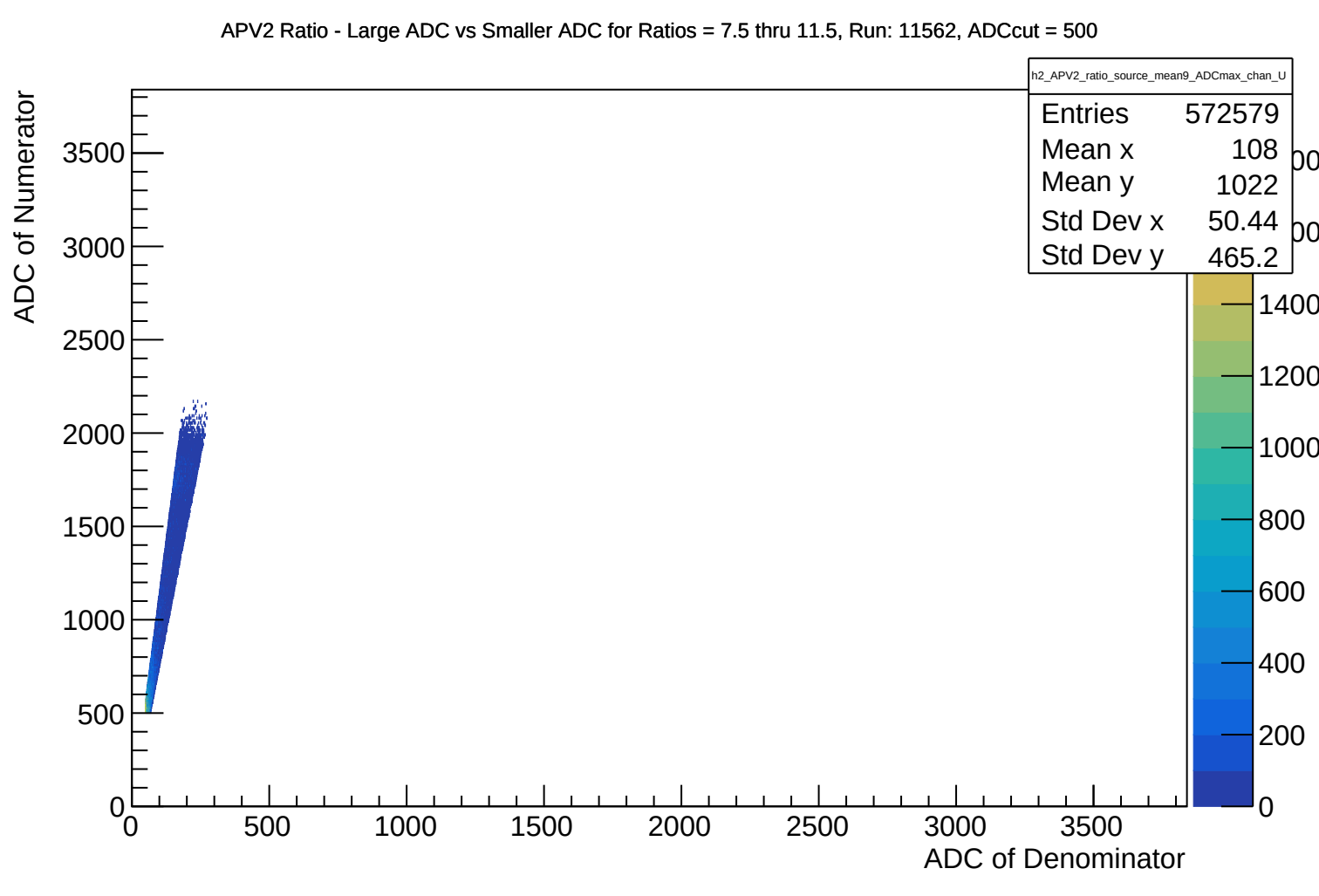

APV1 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 685207
Mean 1004
Std Dev 429.3
Entries)
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

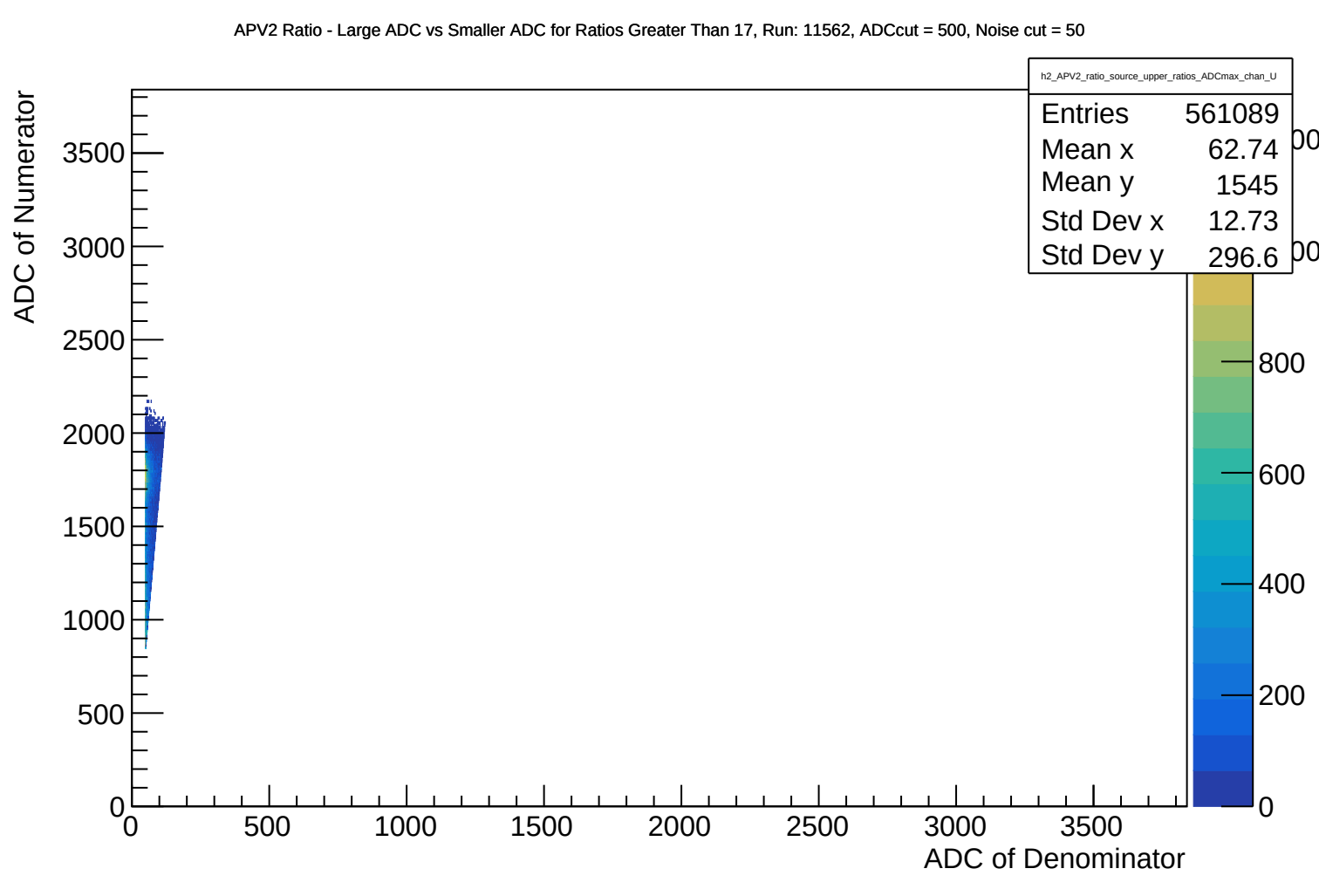
APV1 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

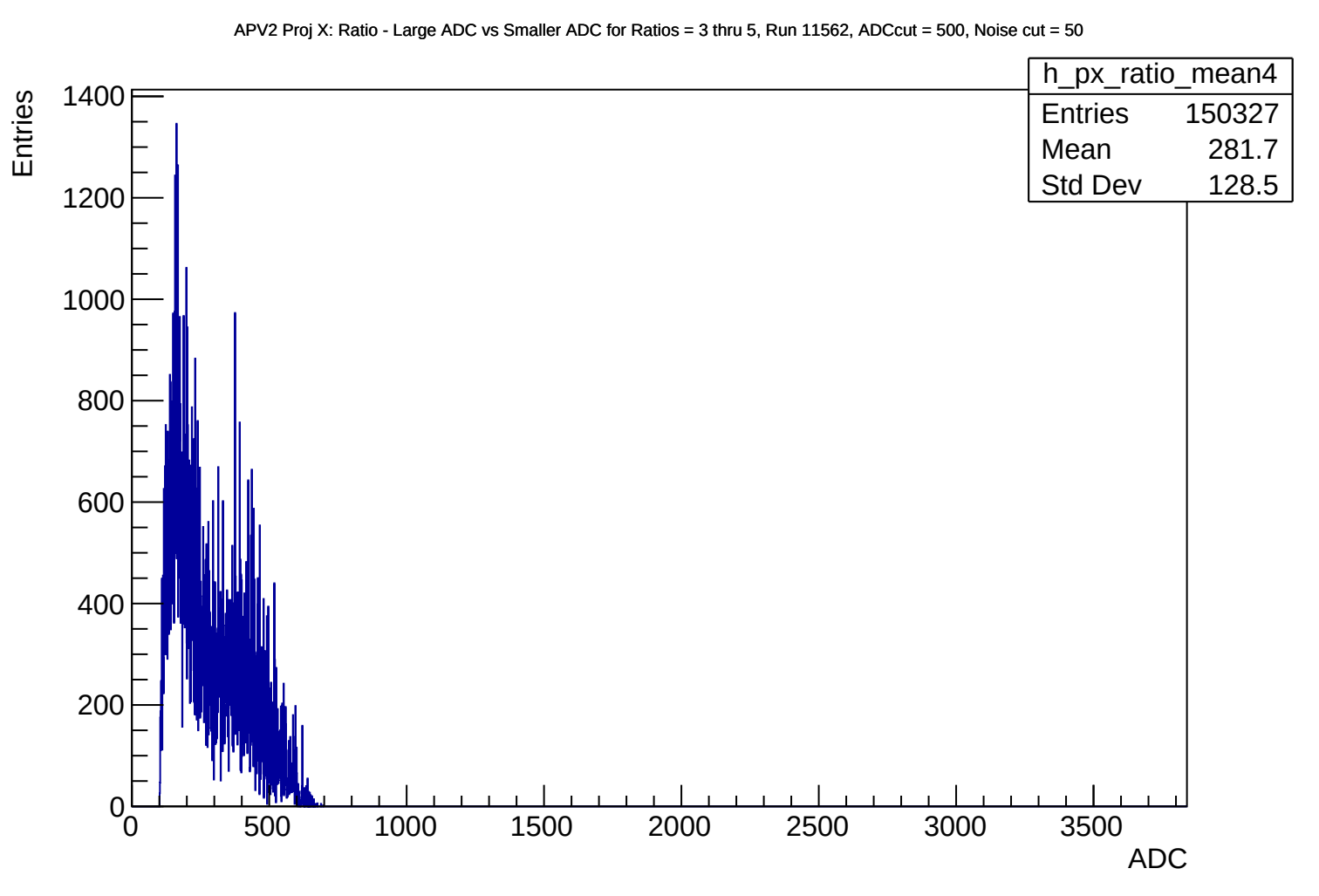


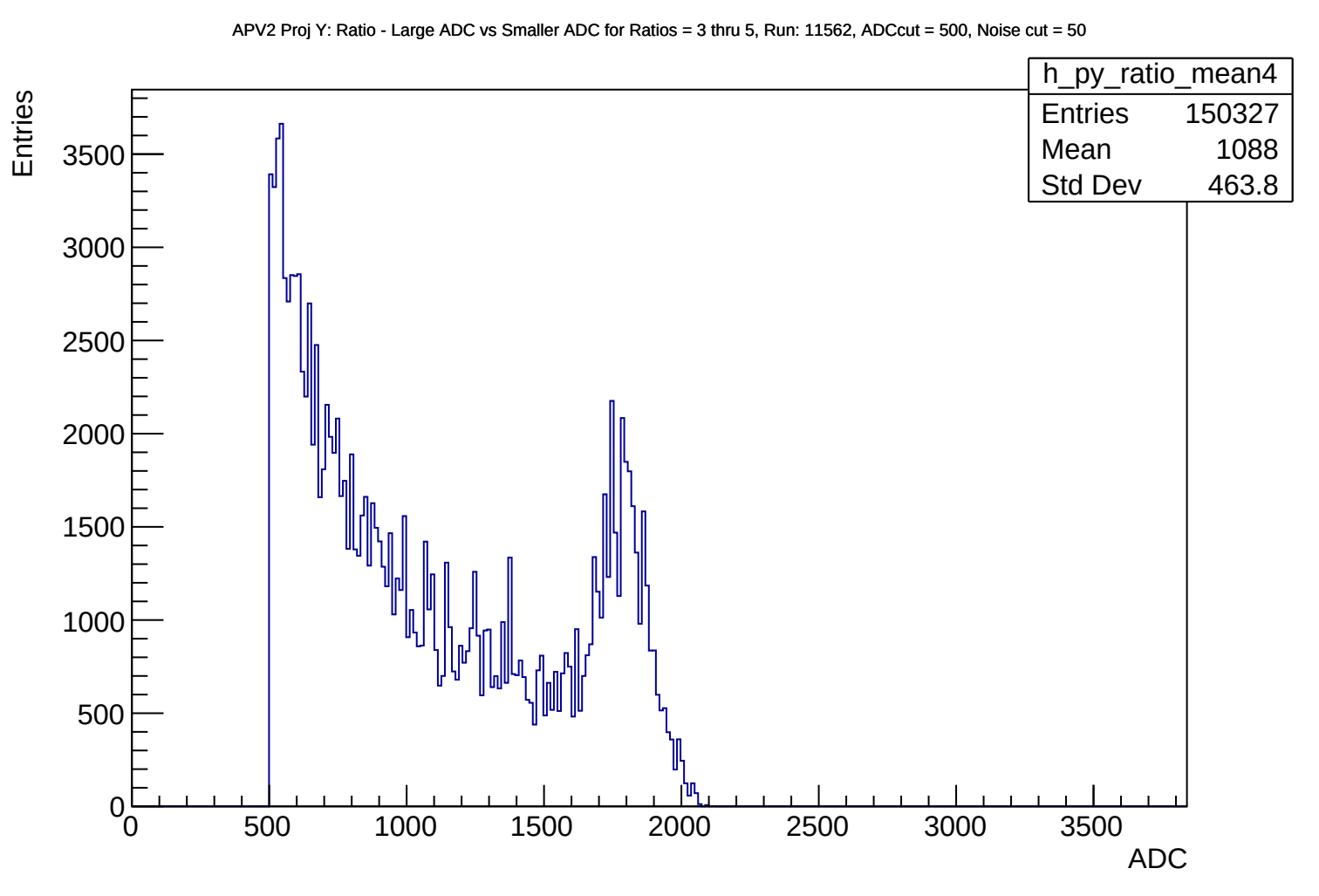

APV1 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 588037
Mean 1478
Std Dev 263
Entries
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

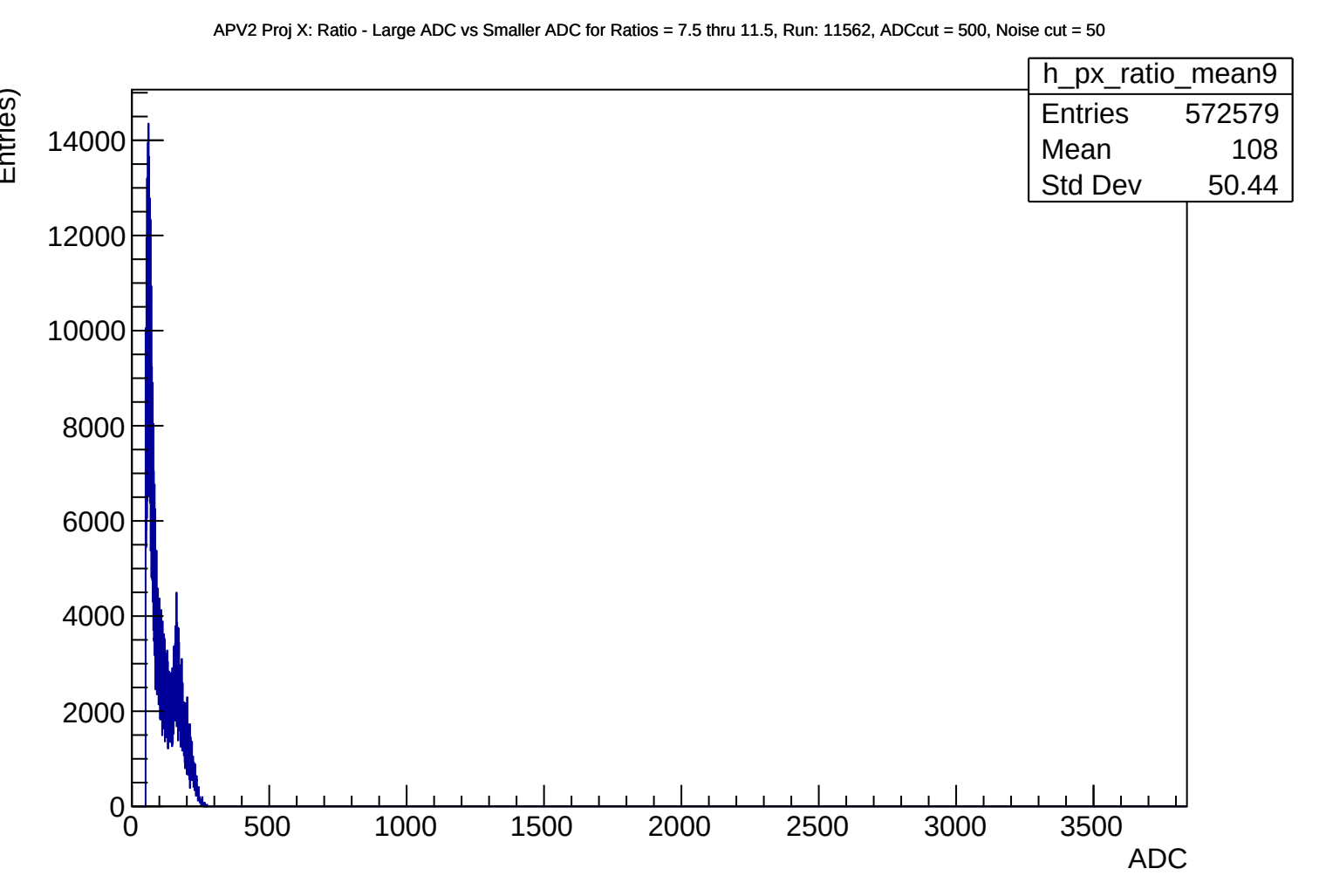

APV2 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV2_ratio_source_mean4_ADCmax_chan_U
Entries 150327
Mean x 281.7
Mean y 1088
Std Dev x 128.5
Std Dev y 463.8
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140
160

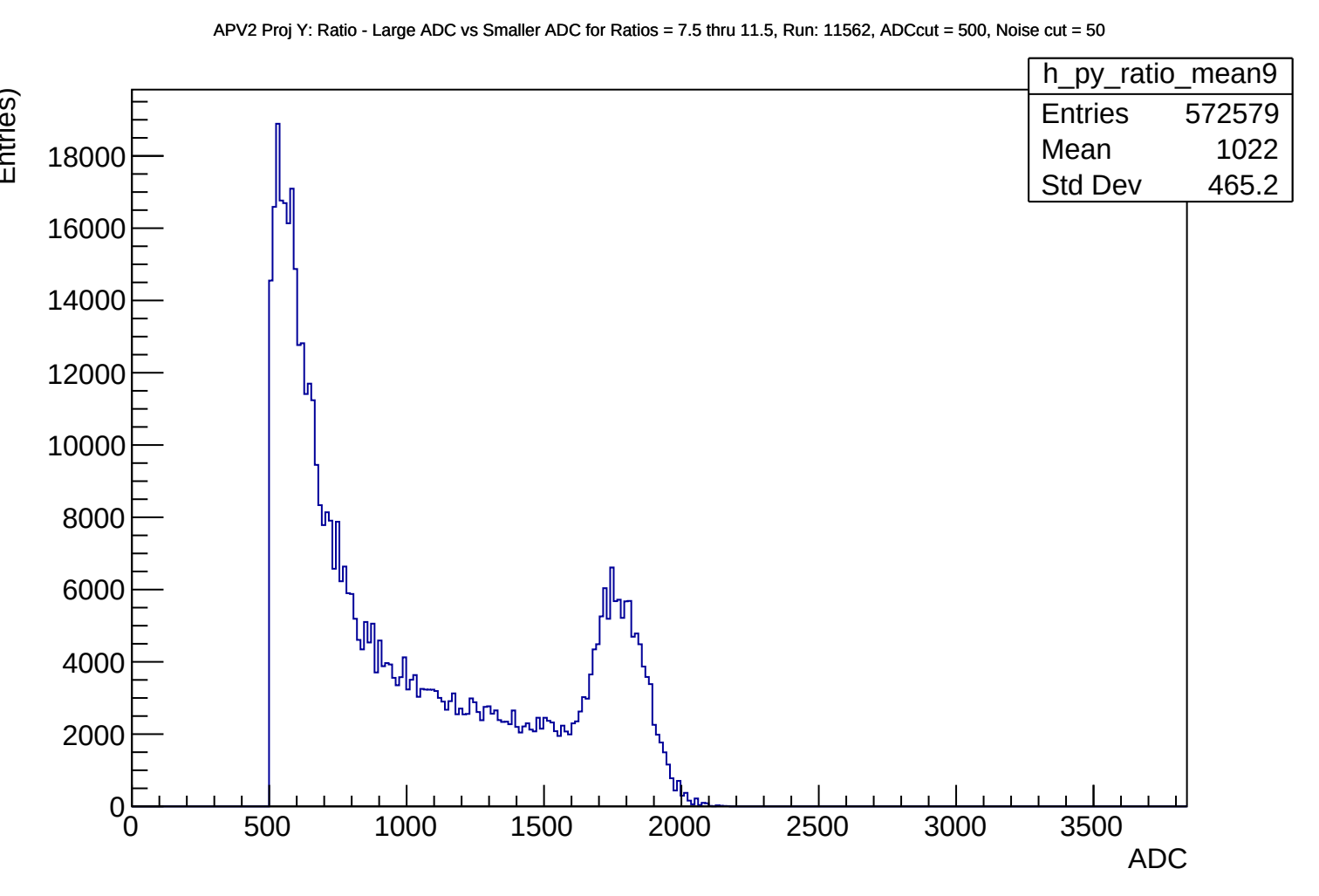

APV2 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV2_ratio_source_mean9_ADCmax_chan_U
Entries 572579
Mean x 108
Mean y 1022
Std Dev x 50.44
Std Dev y 465.2
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200
1400

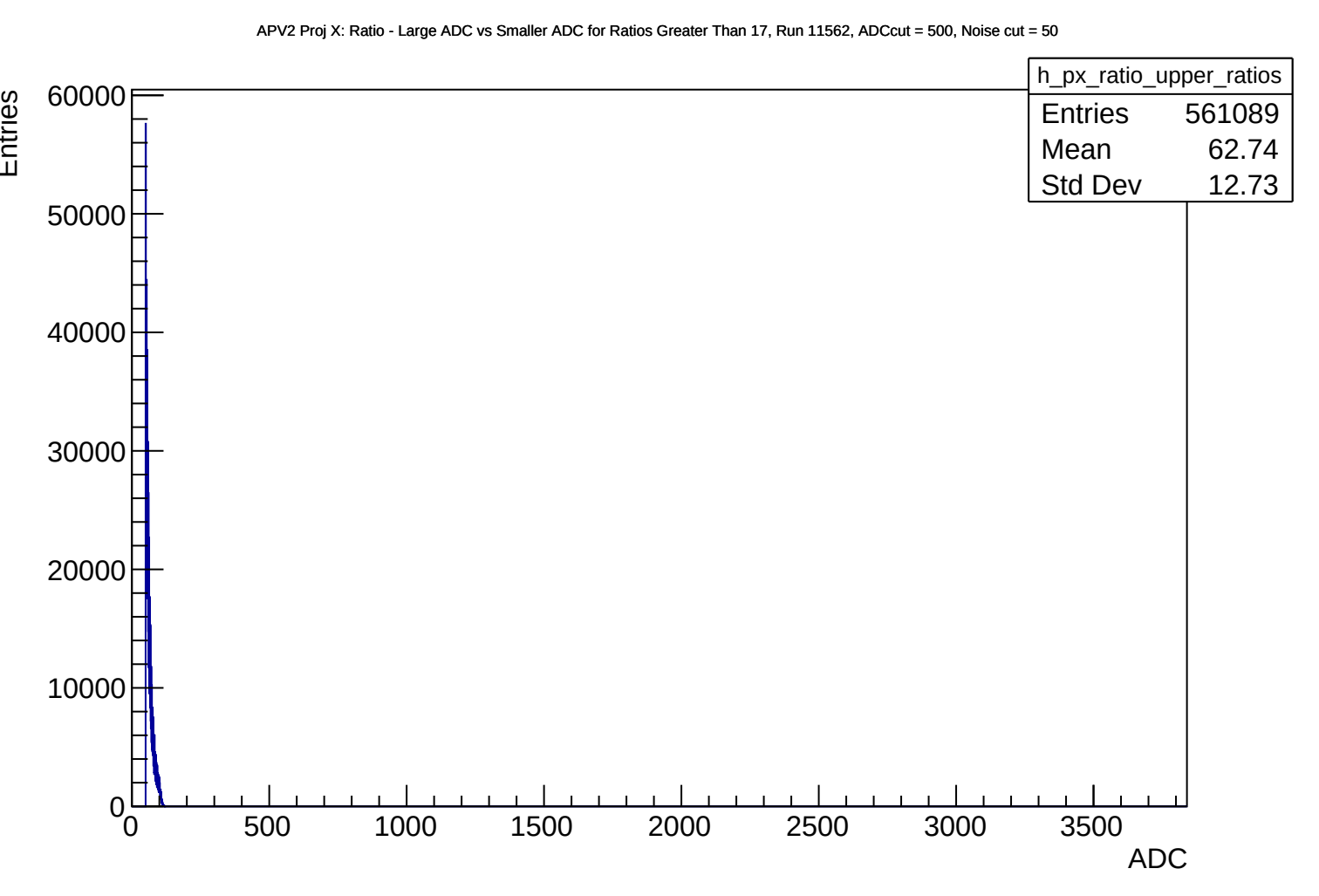

APV2 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV2_ratio_source_upper_ratios_ADCmax_chan_U
Entries 561089
Mean x 62.74
Mean y 1545
Std Dev x 12.73
Std Dev y 296.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800

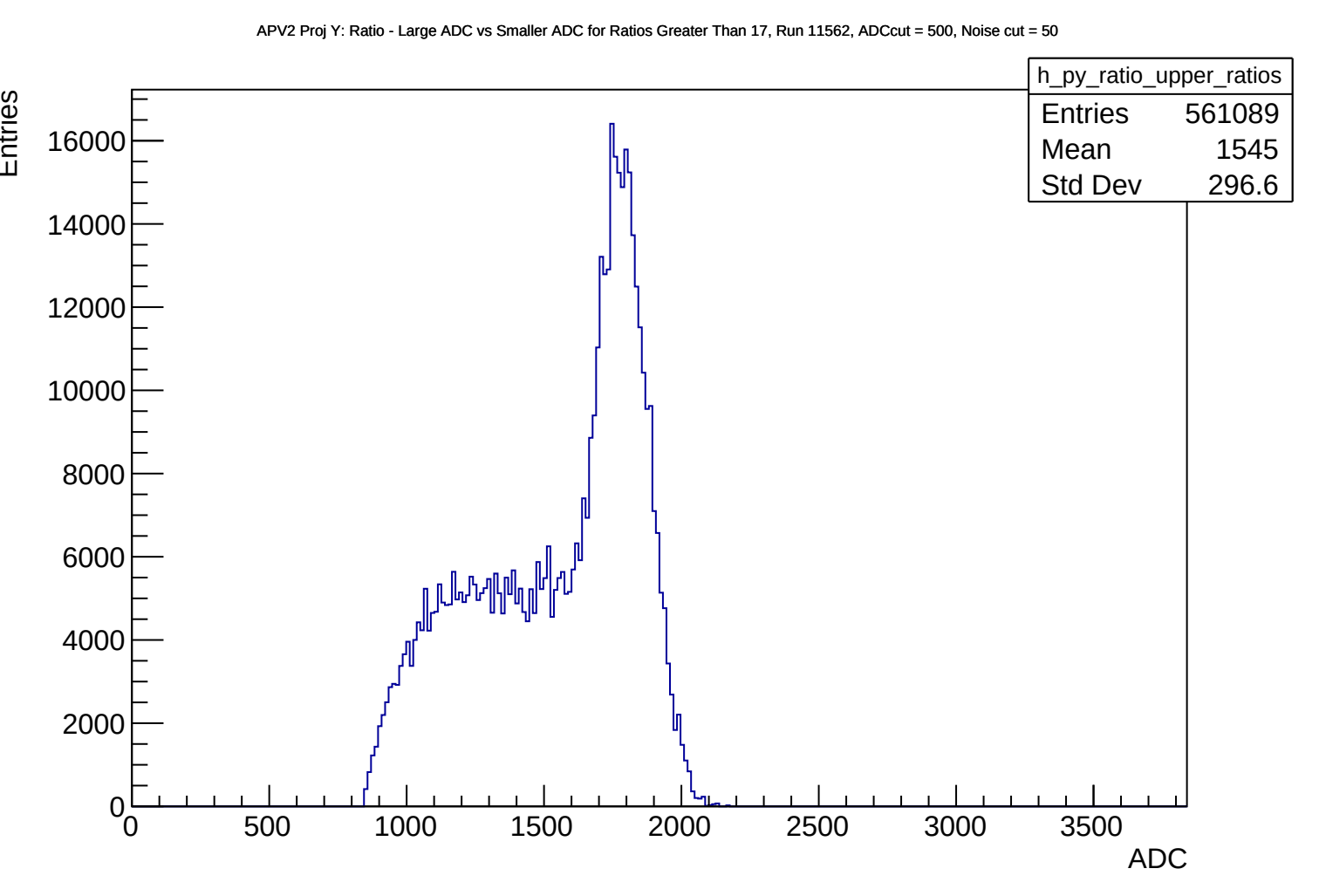

APV2 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 150327
Mean 281.7
Std Dev 128.5
Entries
1400
1200
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
3500
ADC

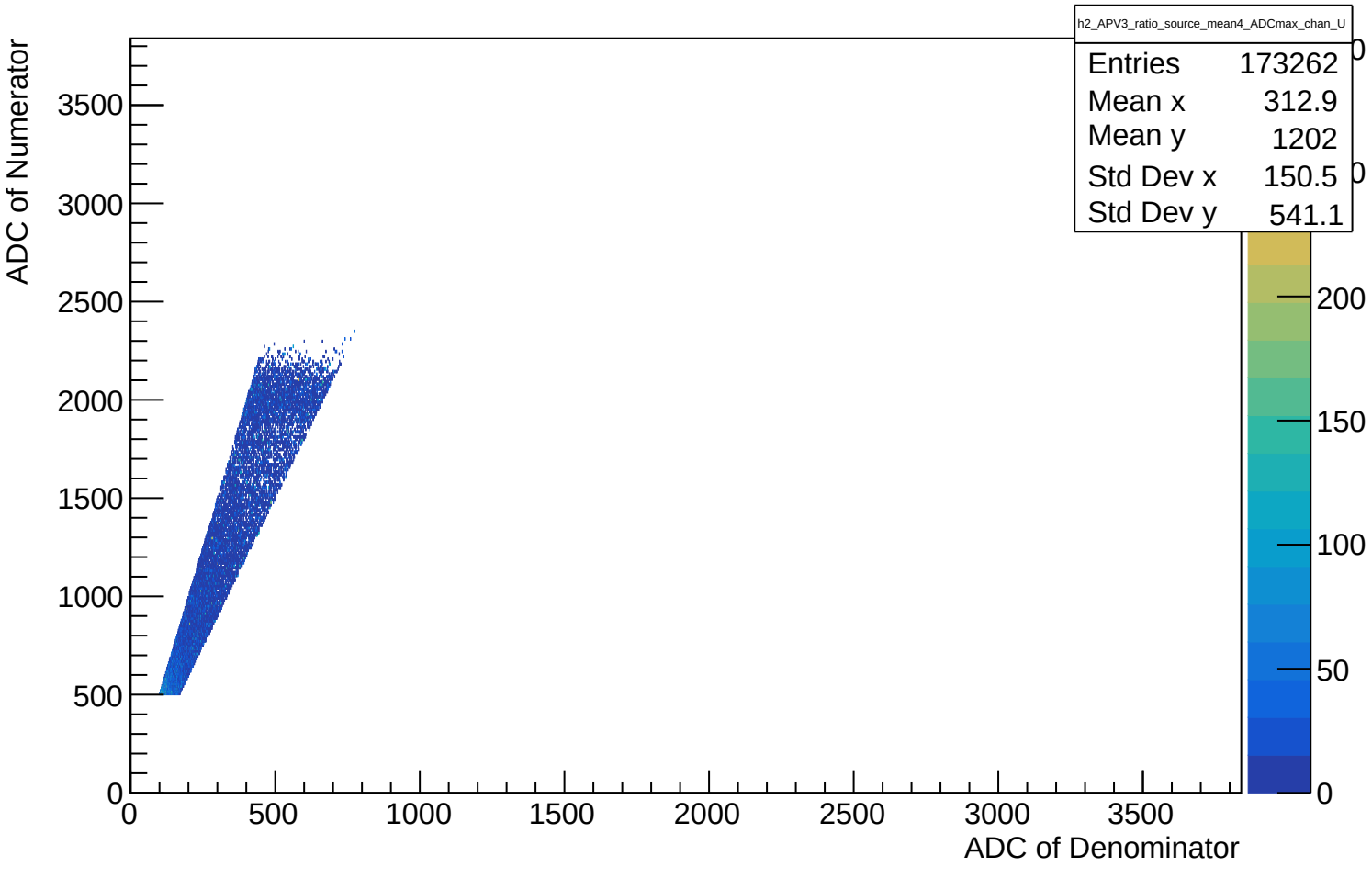

APV2 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 150327
Mean 1088
Std Dev 463.8
Entries
0
500
1000
1500
2000
2500
3000
3500
ADC

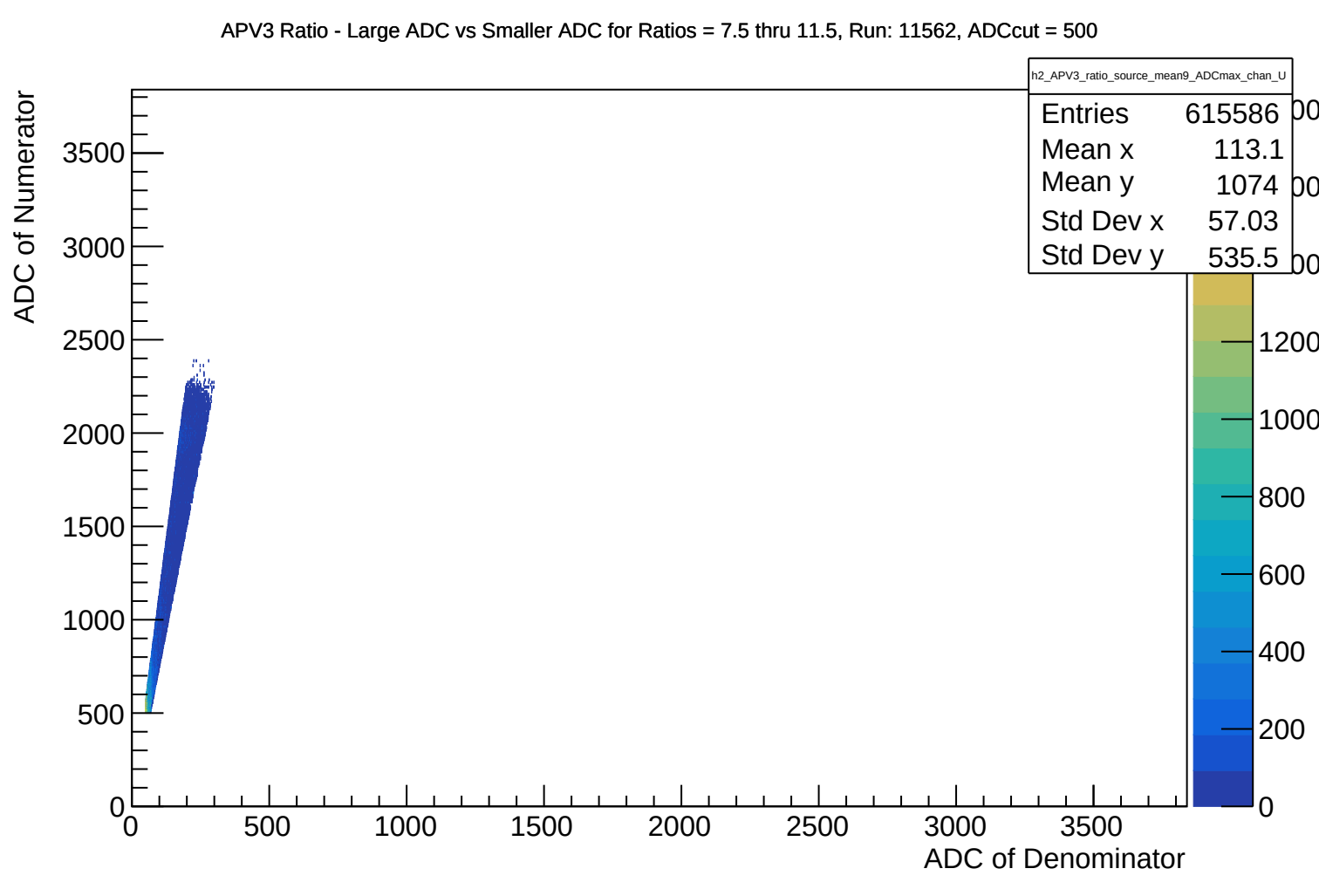

APV2 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 572579
Mean 108
Std Dev 50.44
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

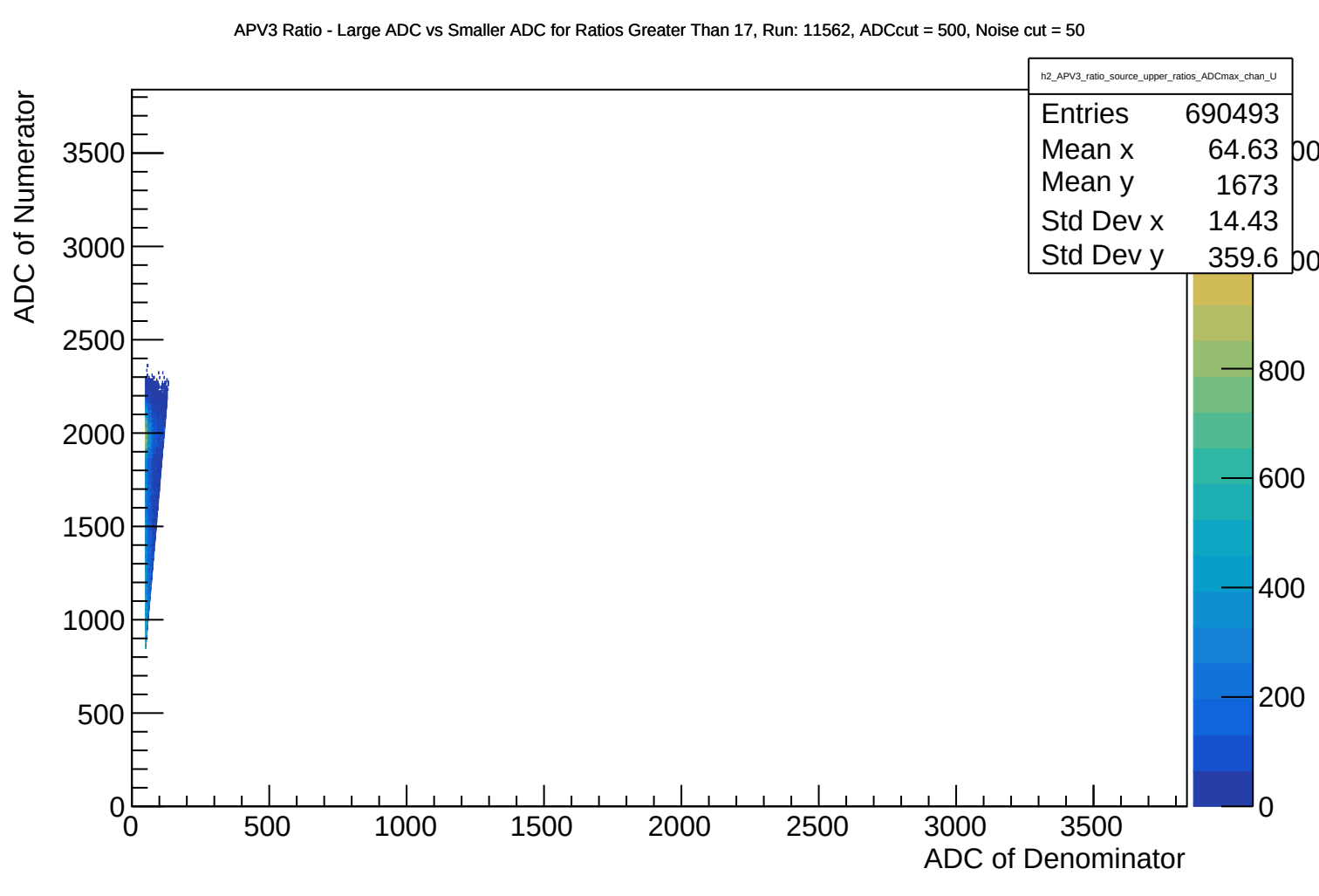

APV2 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 572579
Mean 1022
Std Dev 465.2
Entries)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

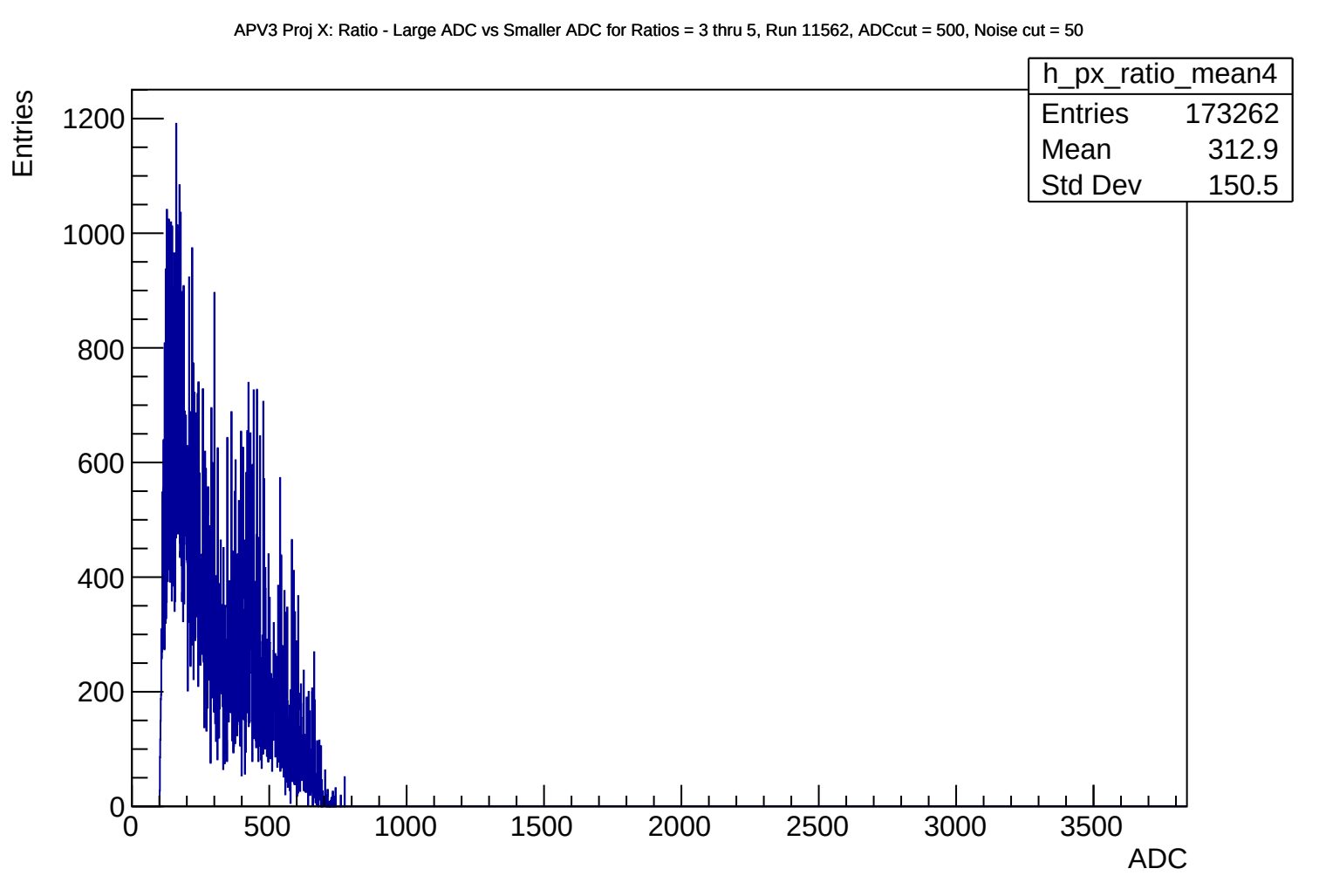

APV2 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 561089
Mean 62.74
Std Dev 12.73
Entries
60000
50000
40000
30000
20000
10000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

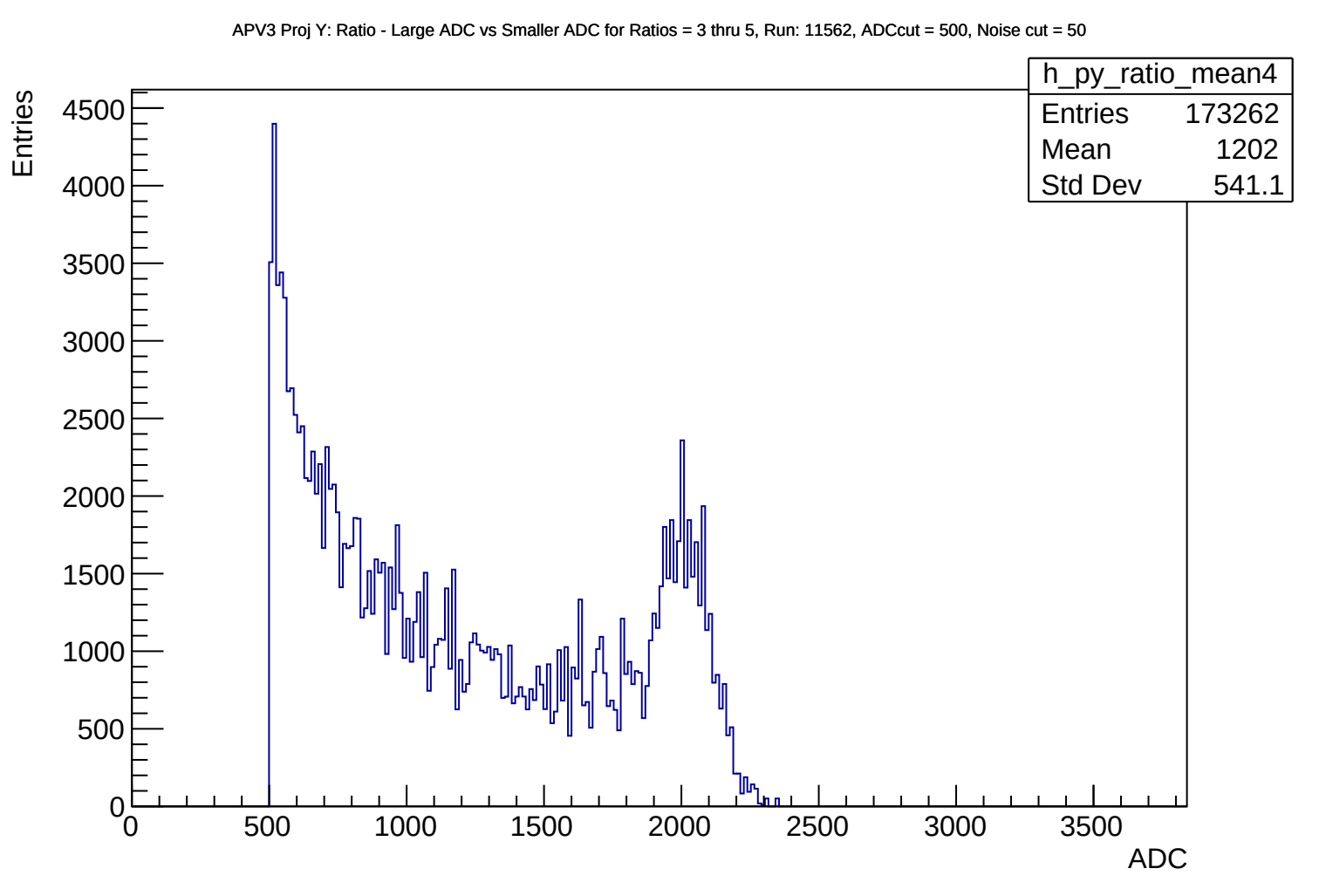

APV2 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 561089
Mean 1545
Std Dev 296.6
Entries
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

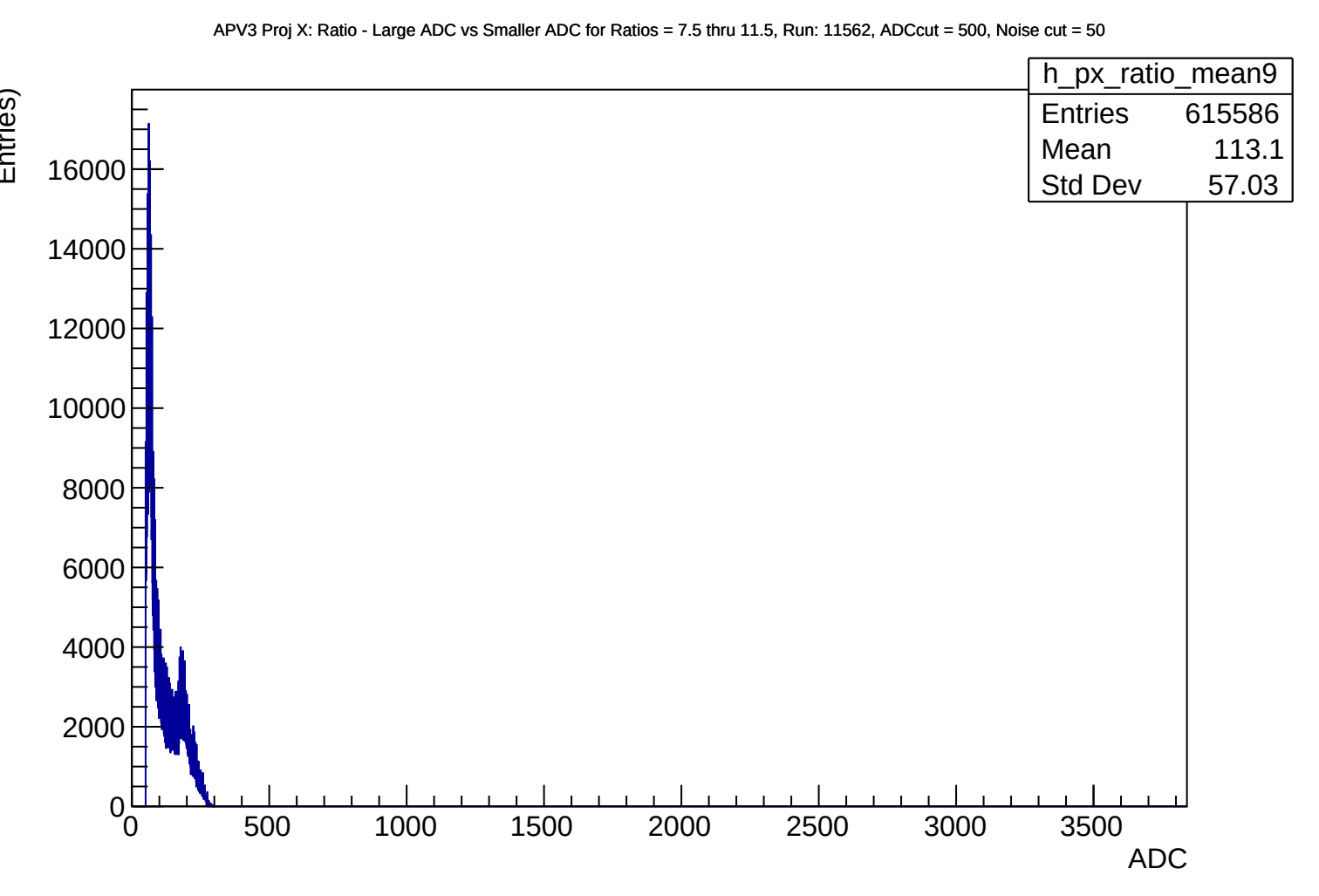

APV3 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV3_ratio_source_mean4_ADCmax_chan_U
Entries 173262
Mean x 312.9
Mean y 1202
Std Dev x 150.5
Std Dev y 541.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
50
100
150
200

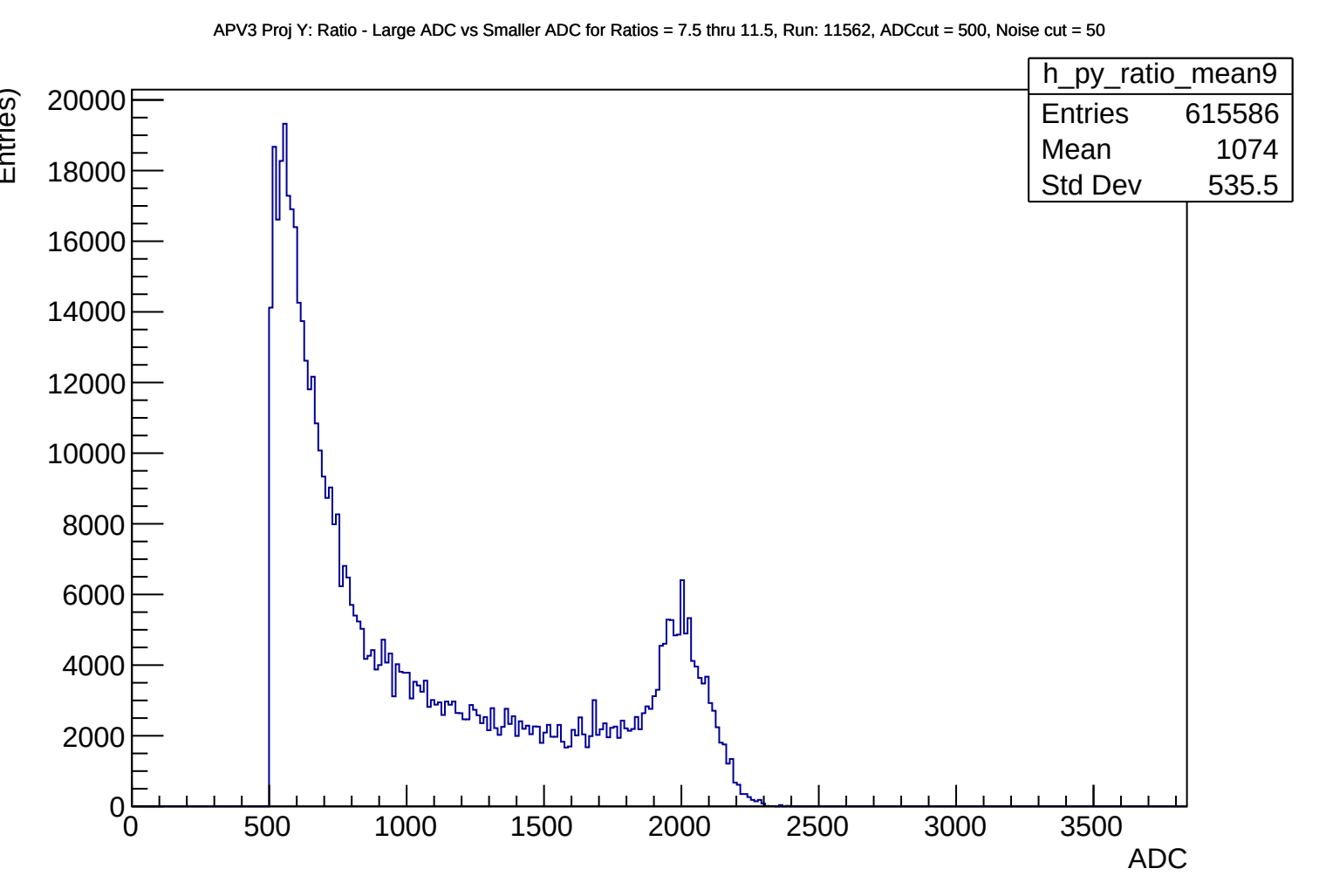

APV3 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV3_ratio_source_mean9_ADCmax_chan_U
Entries 615586
Mean x 113.1
Mean y 1074
Std Dev x 57.03
Std Dev y 535.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200

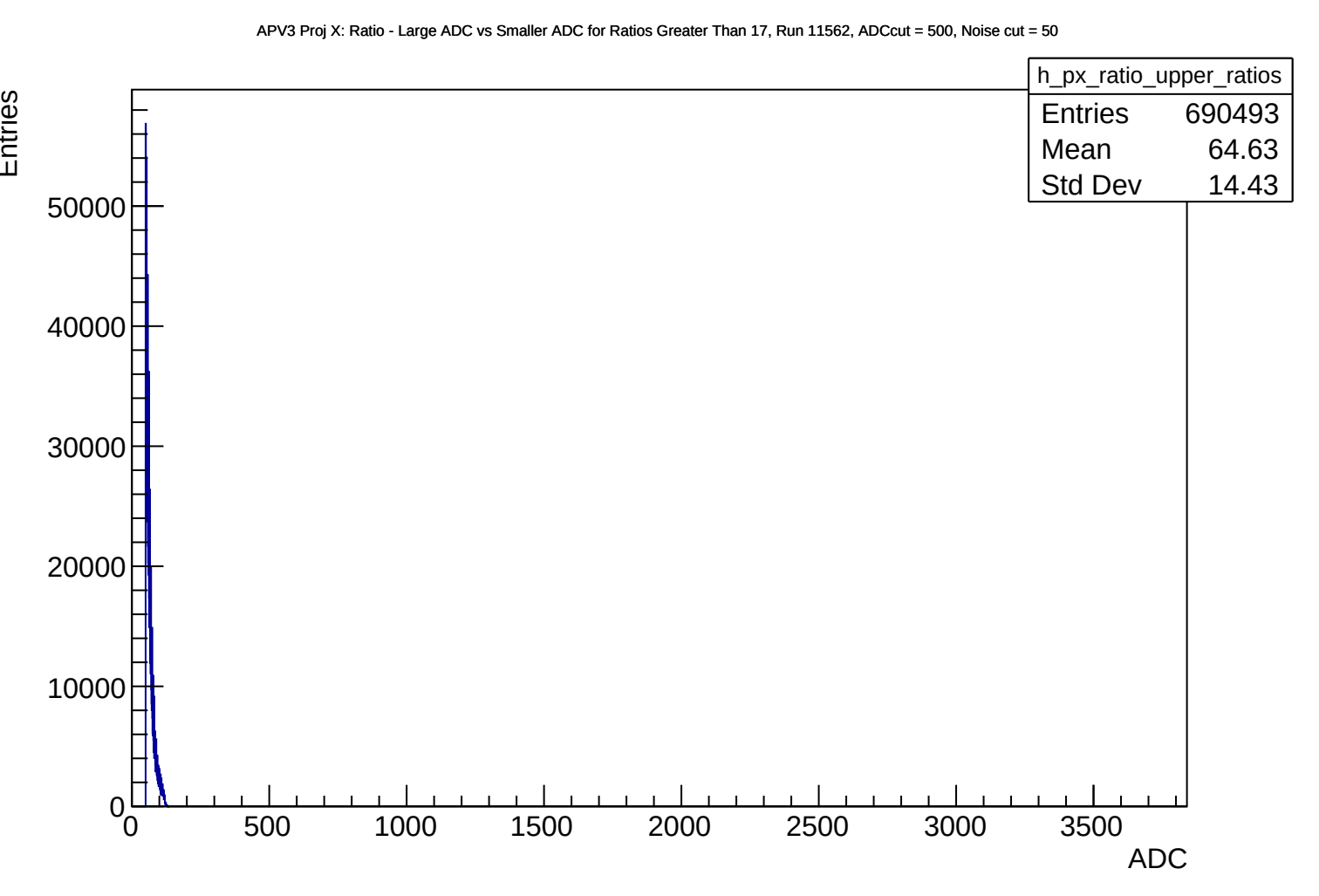

APV3 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV3_ratio_source_upper_ratios_ADCmax_chan_U
Entries 690493
Mean x 64.63
Mean y 1673
Std Dev x 14.43
Std Dev y 359.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800


APV3 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 173262
Mean 312.9
Std Dev 150.5
Entries
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
3500
ADC


APV3 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 173262
Mean 1202
Std Dev 541.1
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500
4000
4500


APV3 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 615586
Mean 113.1
Std Dev 57.03
Entries)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV3 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 615586
Mean 1074
Std Dev 535.5
Entries)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV3 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 690493
Mean 64.63
Std Dev 14.43
Entries
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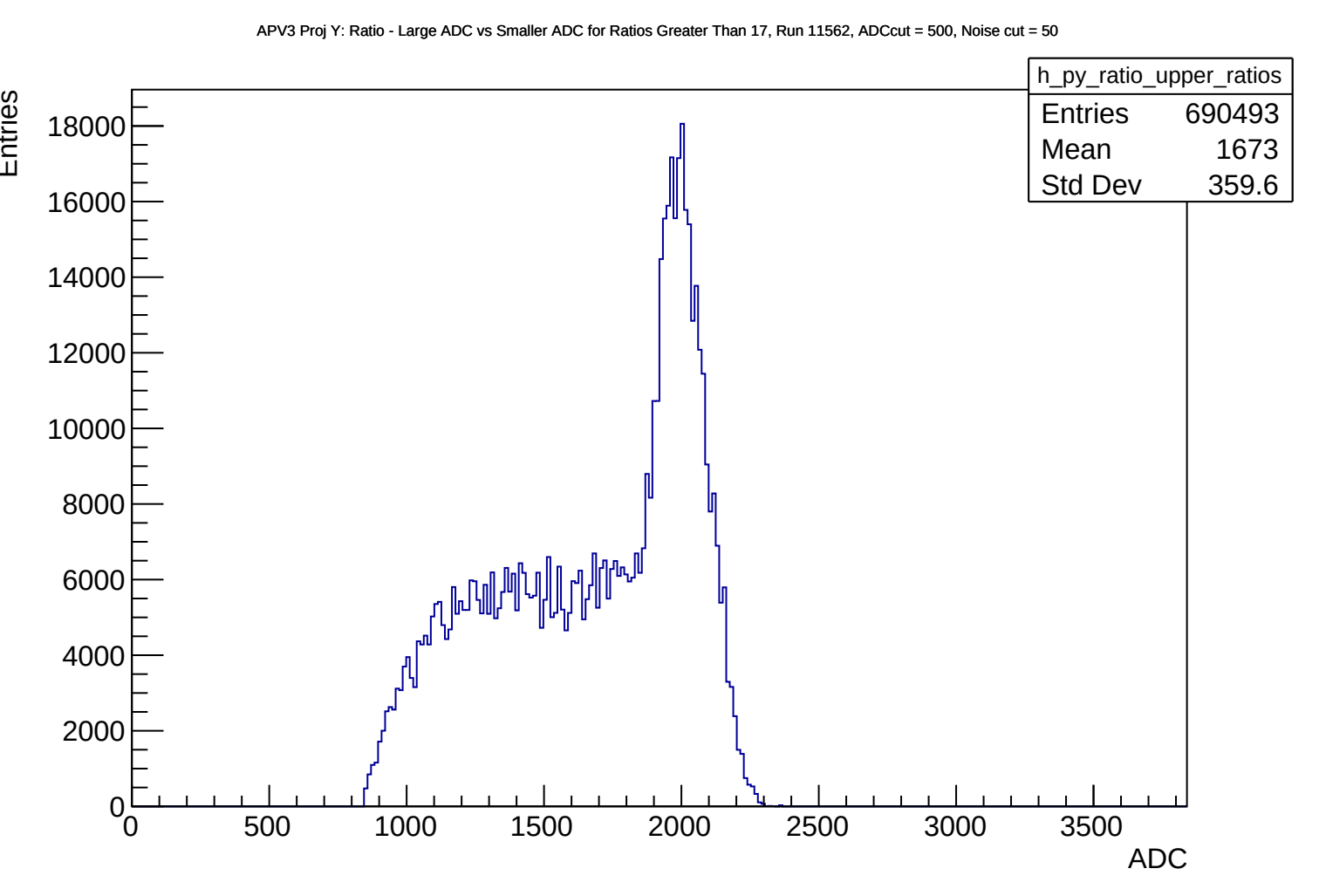
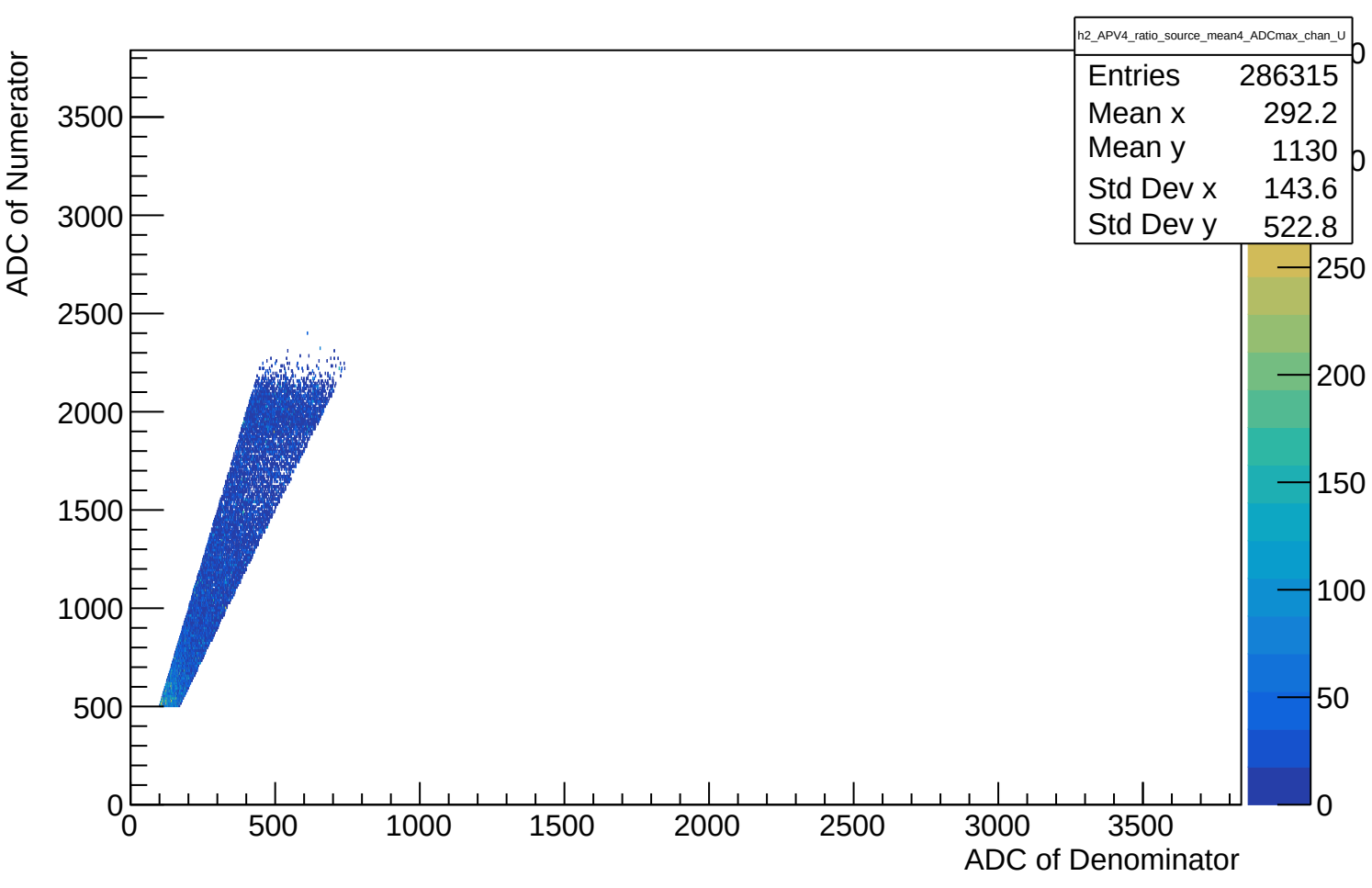
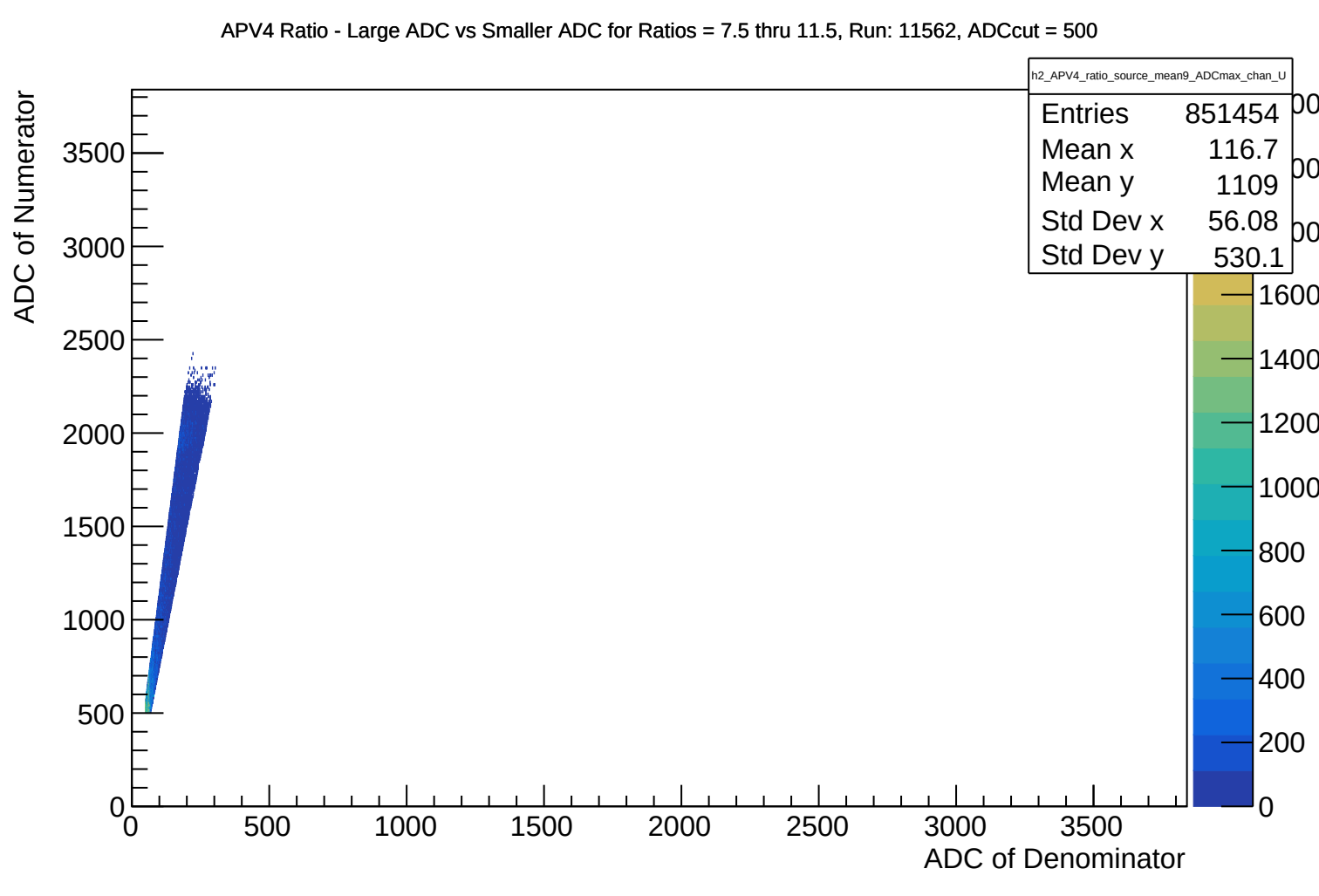
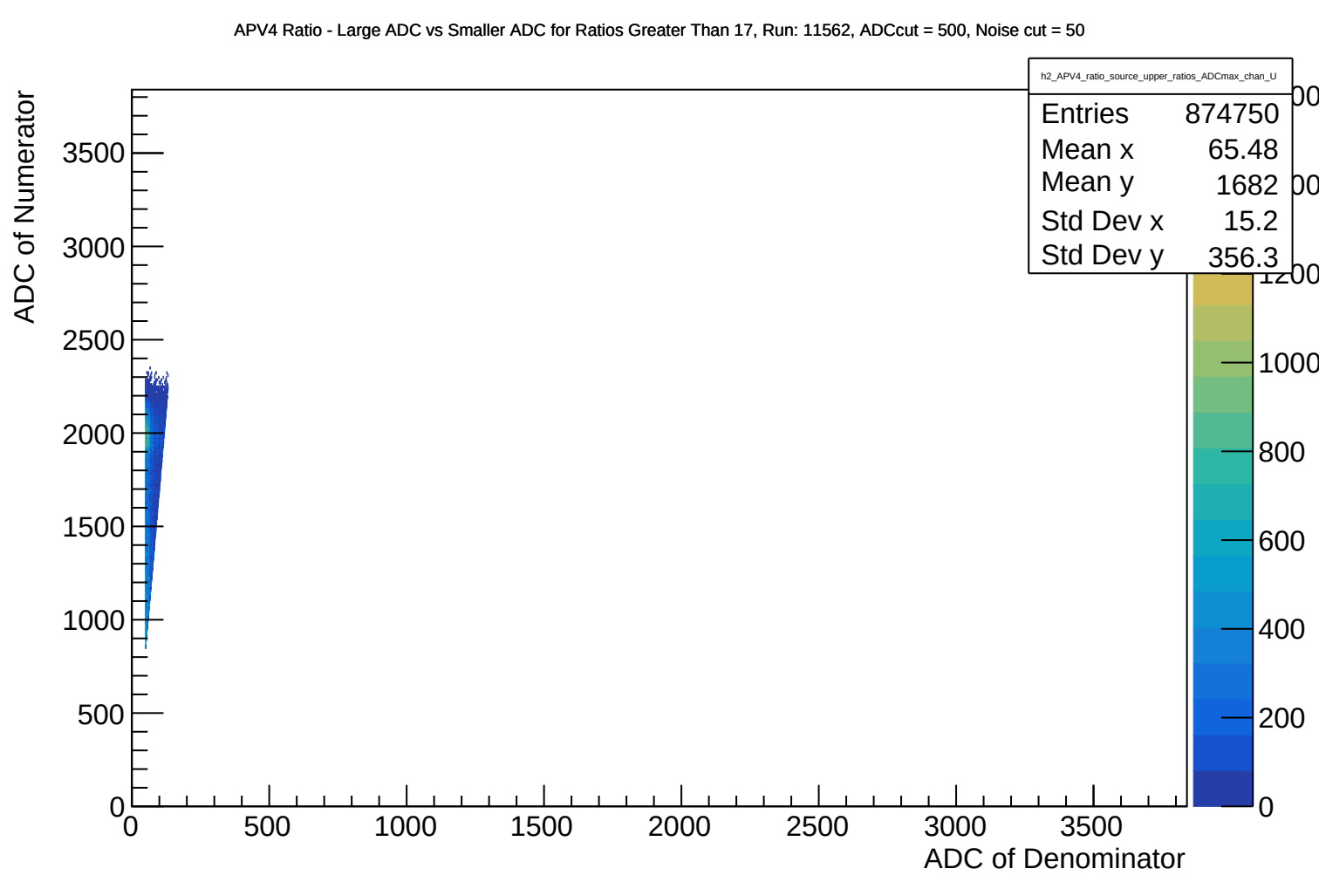
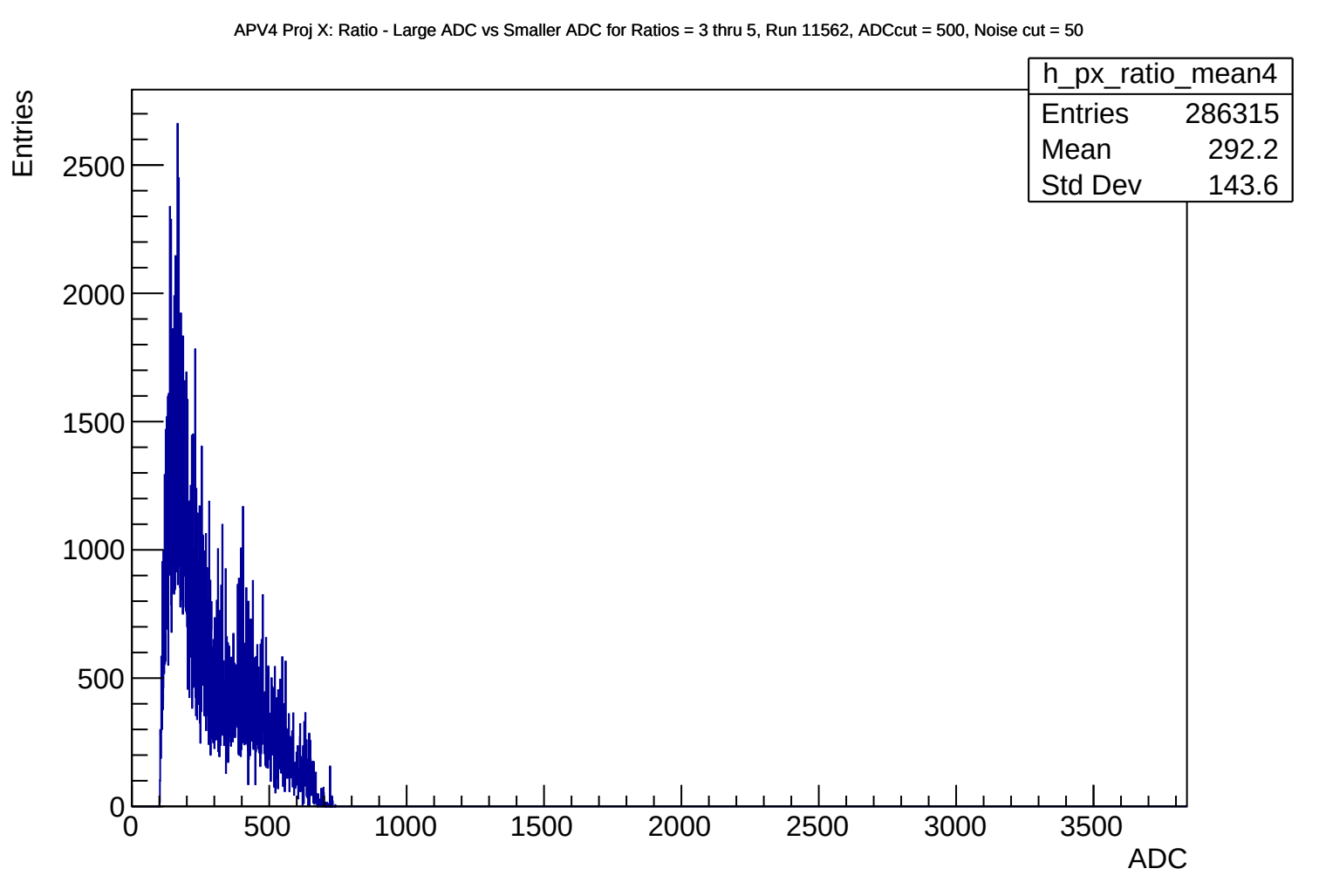
40000
30000
20000
10000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

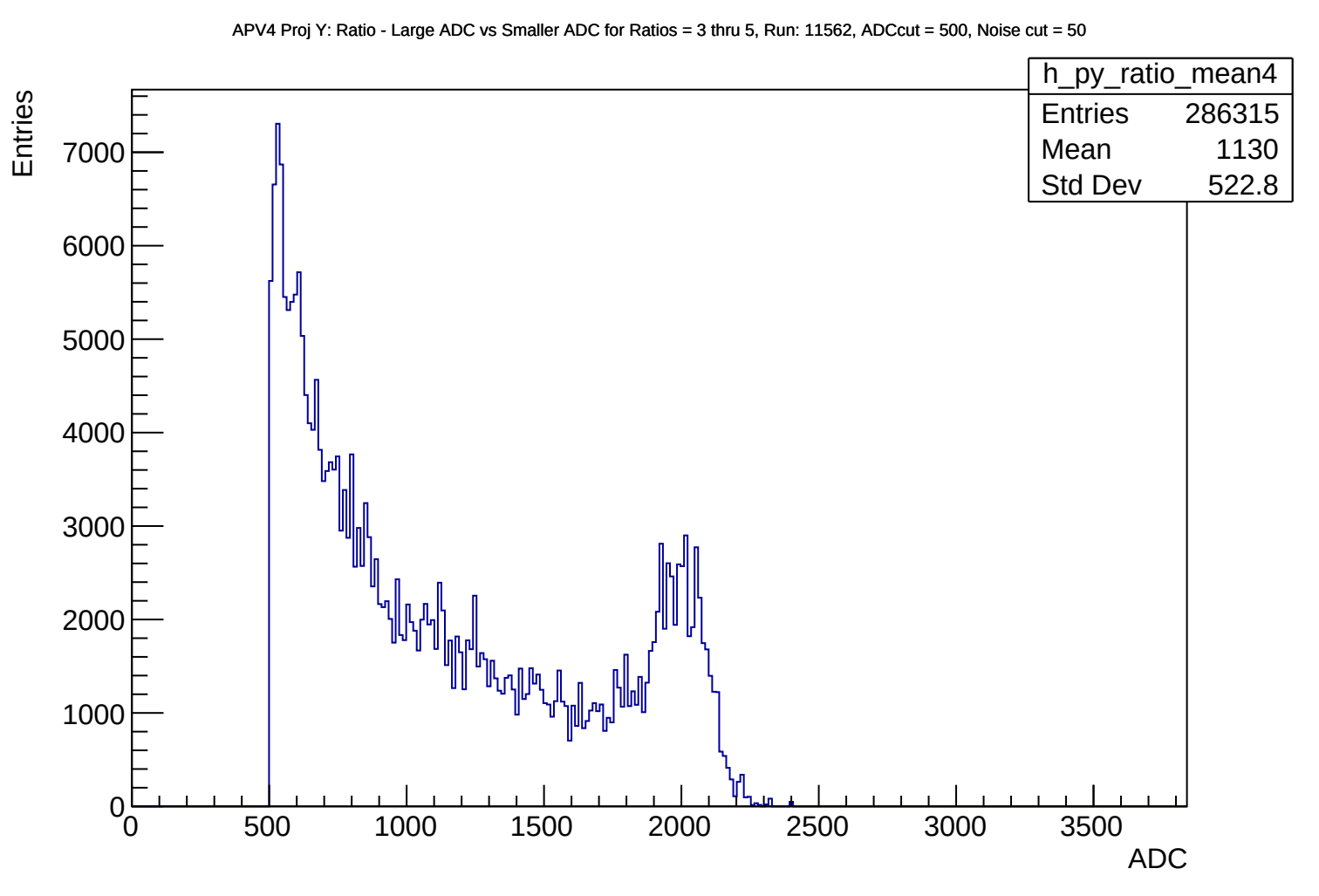

APV3 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 690493
Mean 1673
Std Dev 359.6
Entries
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

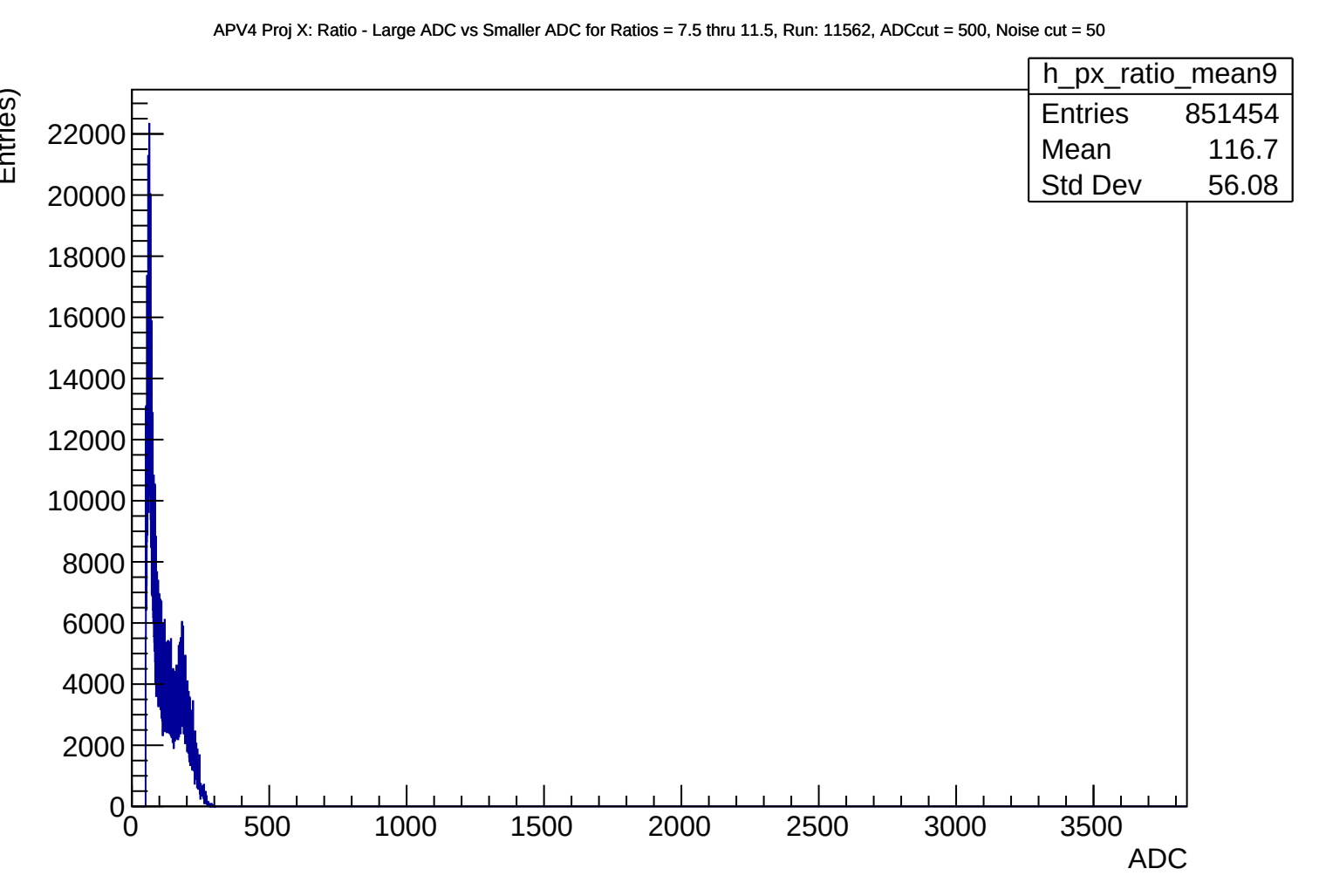

APV4 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV4_ratio_source_mean4_ADCmax_chan_U
Entries 286315
Mean x 292.2
Mean y 1130
Std Dev x 143.6
Std Dev y 522.8
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
50
100
150
200
250

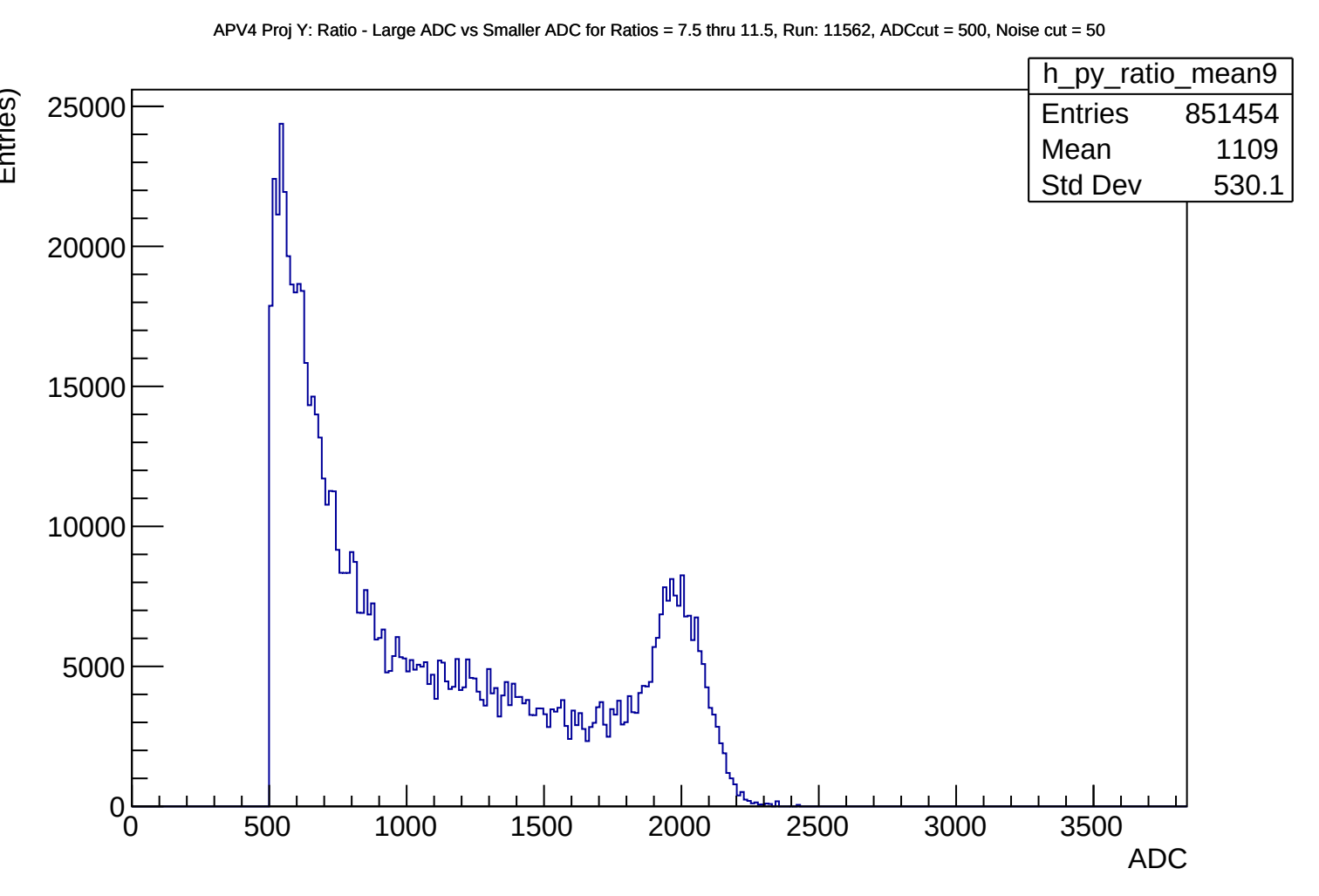

APV4 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV4_ratio_source_mean9_ADCmax_chan_U
Entries 851454
Mean x 116.7
Mean y 1109
Std Dev x 56.08
Std Dev y 530.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200
1400
1600

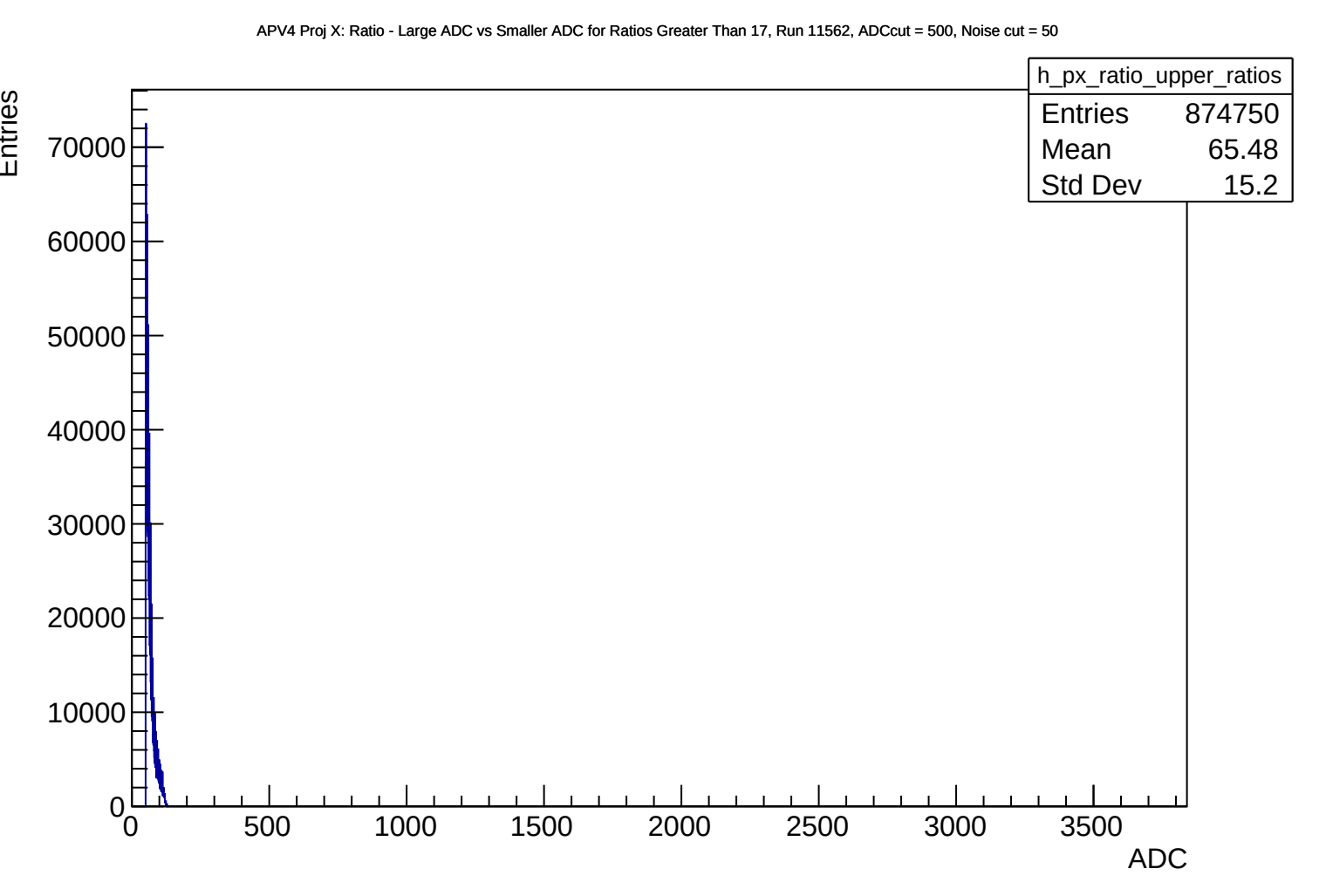

APV4 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV4_ratio_source_upper_ratios_ADCmax_chan_U
Entries 874750
Mean x 65.48
Mean y 1682
Std Dev x 15.2
Std Dev y 356.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1000
1200


APV4 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 286315
Mean 292.2
Std Dev 143.6
Entries
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

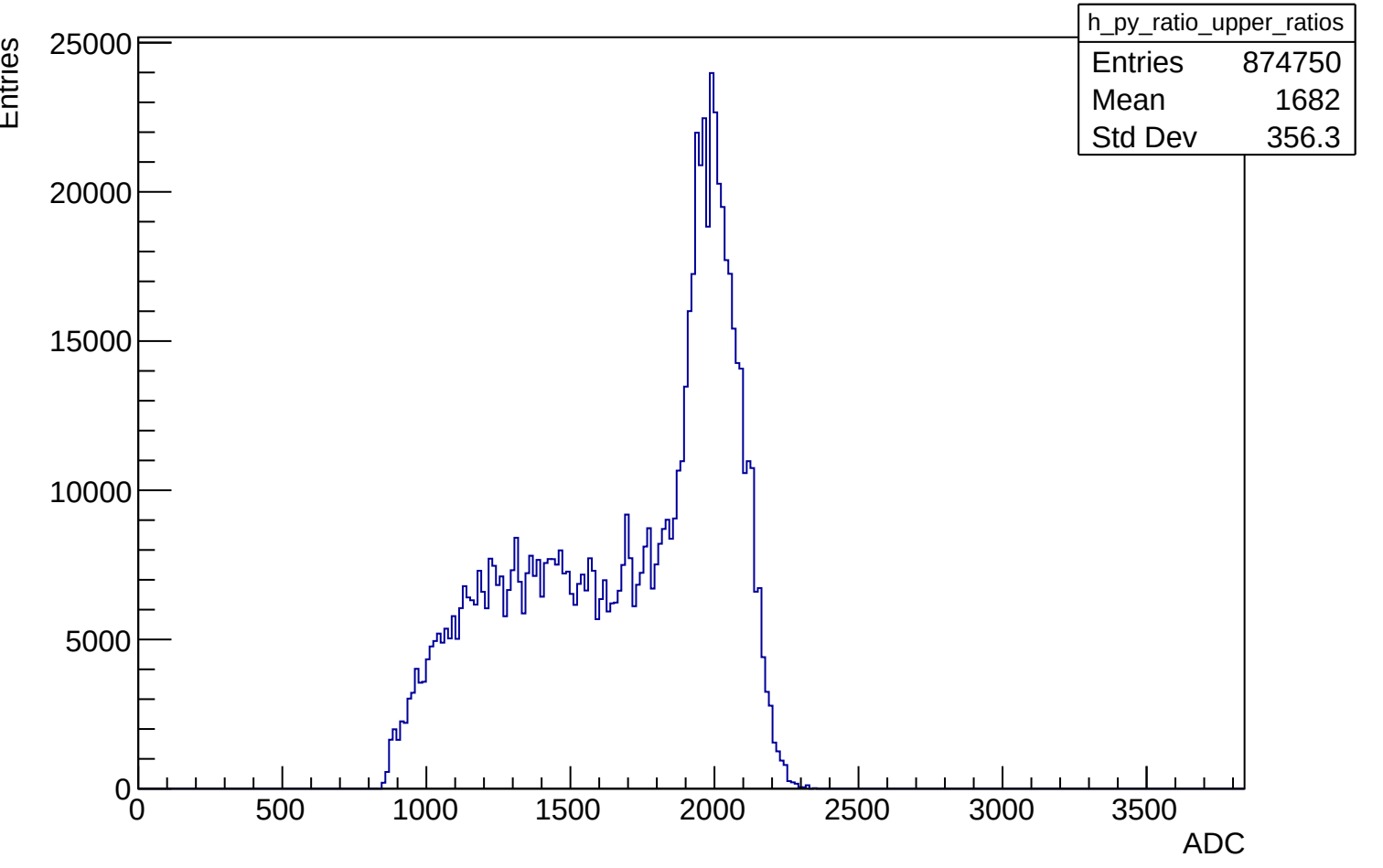

APV4 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 286315
Mean 1130
Std Dev 522.8
Entries
ADC
0
1000
2000
3000
4000
5000
6000
7000
500
1500
2500
3500

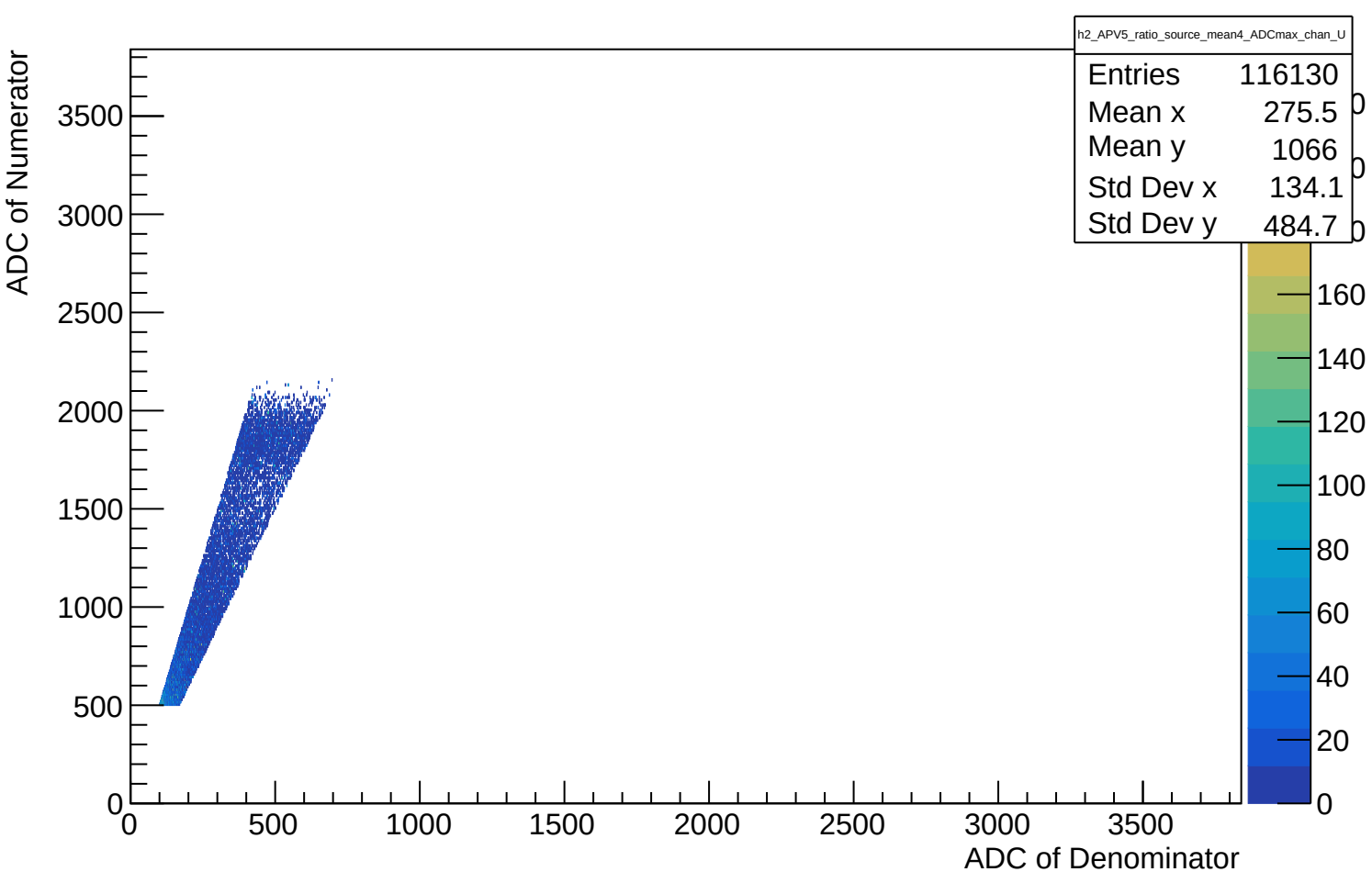

APV4 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 851454
Mean 116.7
Std Dev 56.08
Entries)
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

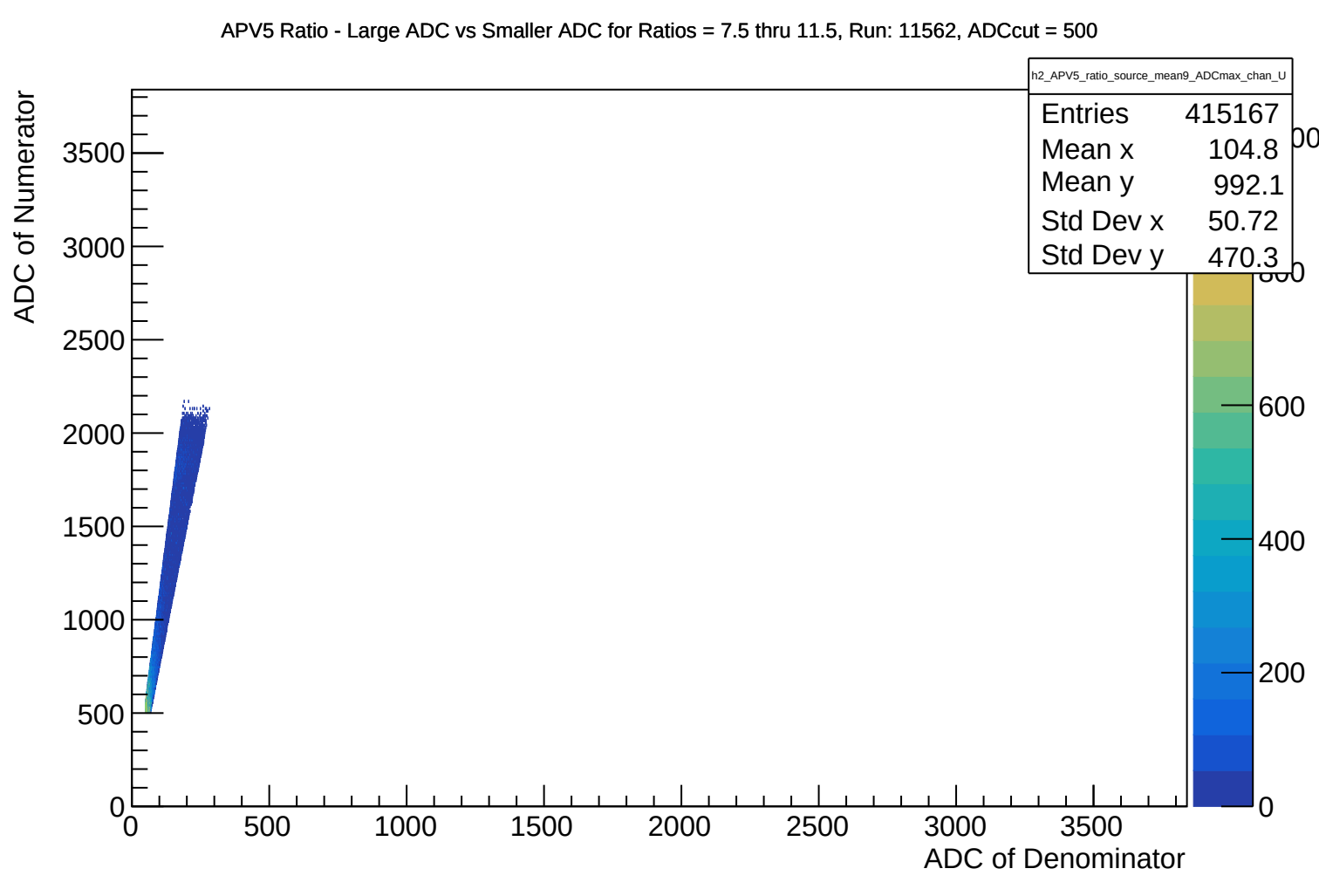

APV4 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 851454
Mean 1109
Std Dev 530.1
Entries)
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

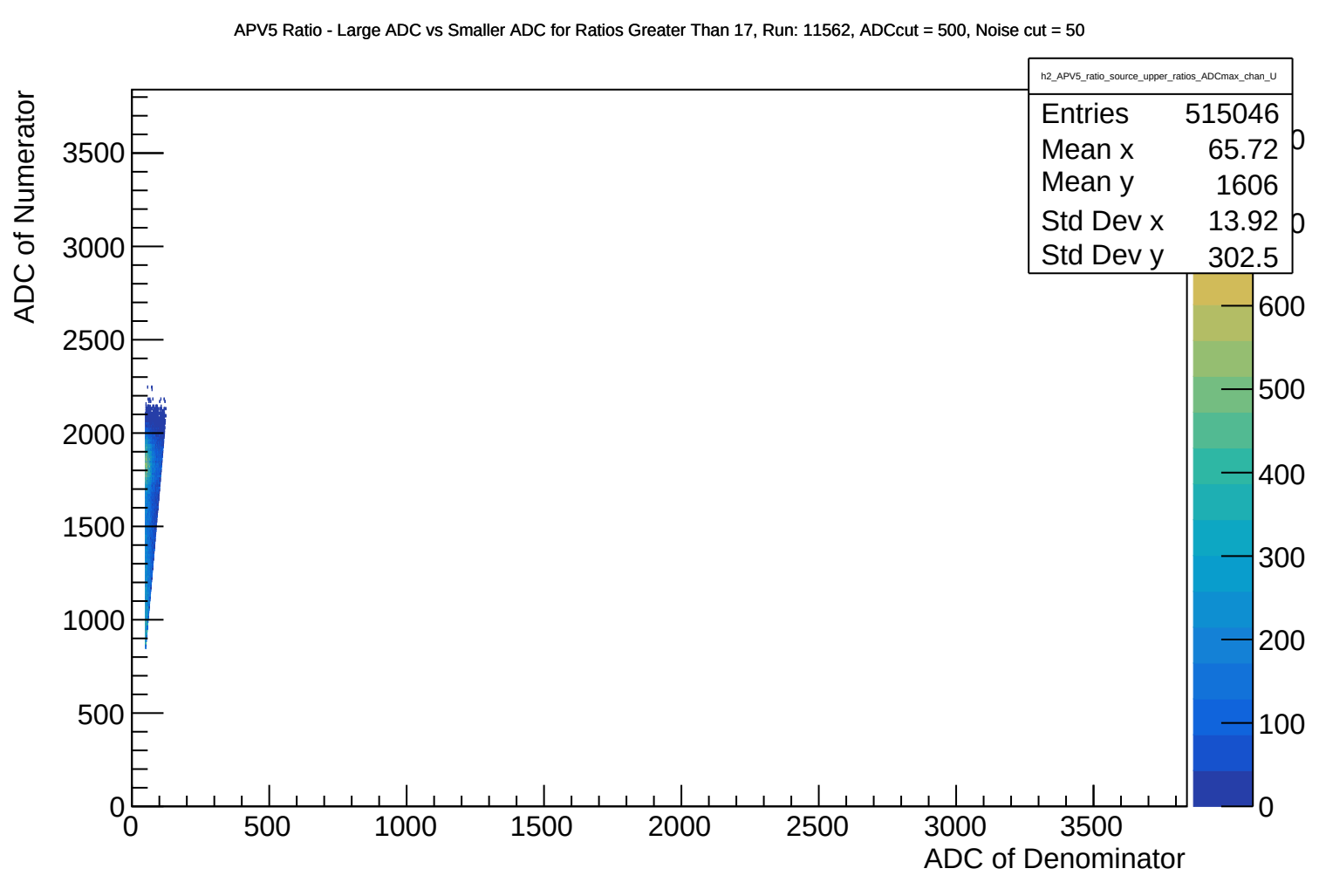

APV4 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 874750
Mean 65.48
Std Dev 15.2
Entries
70000
60000
50000
40000
30000
20000
10000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

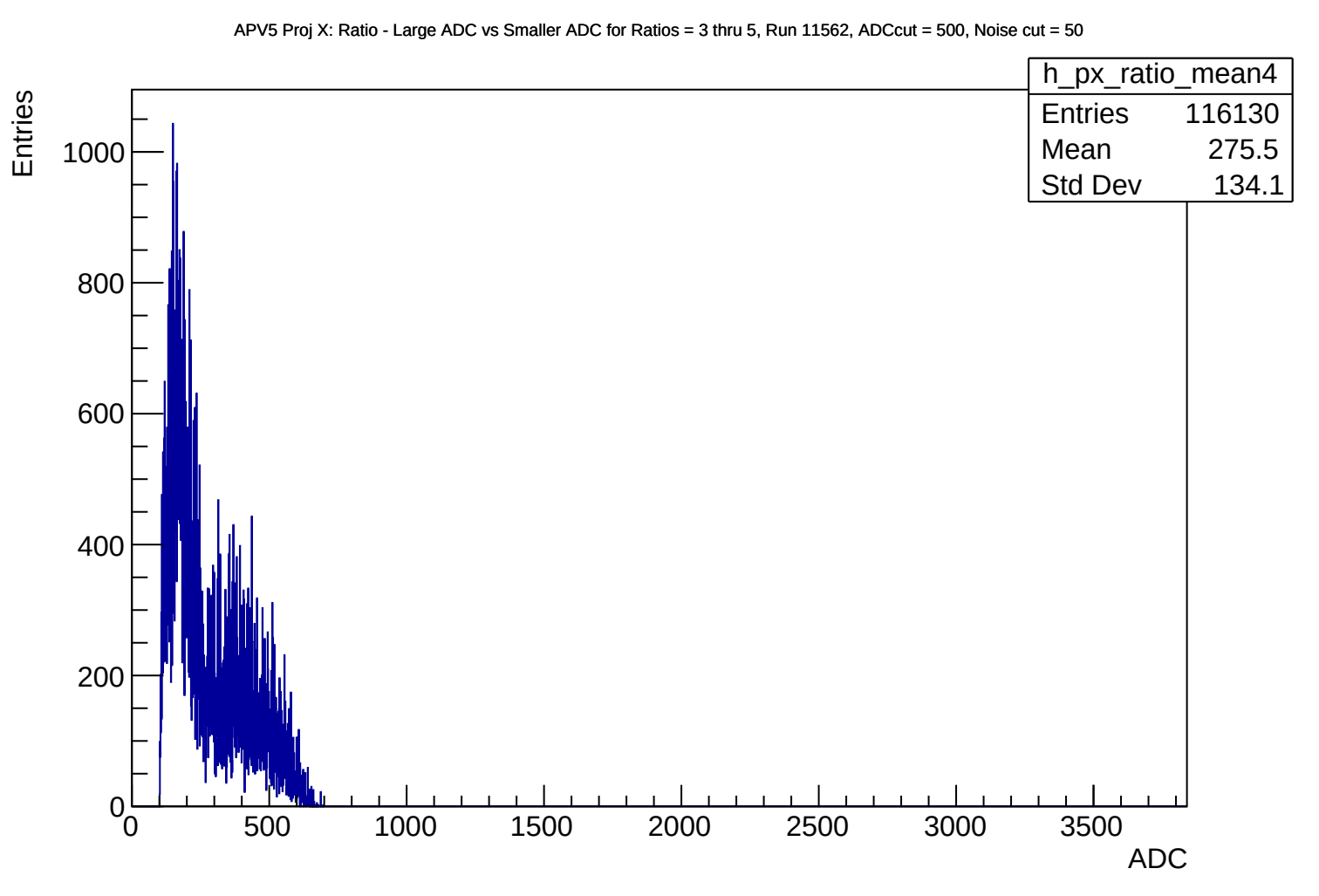
APV4 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

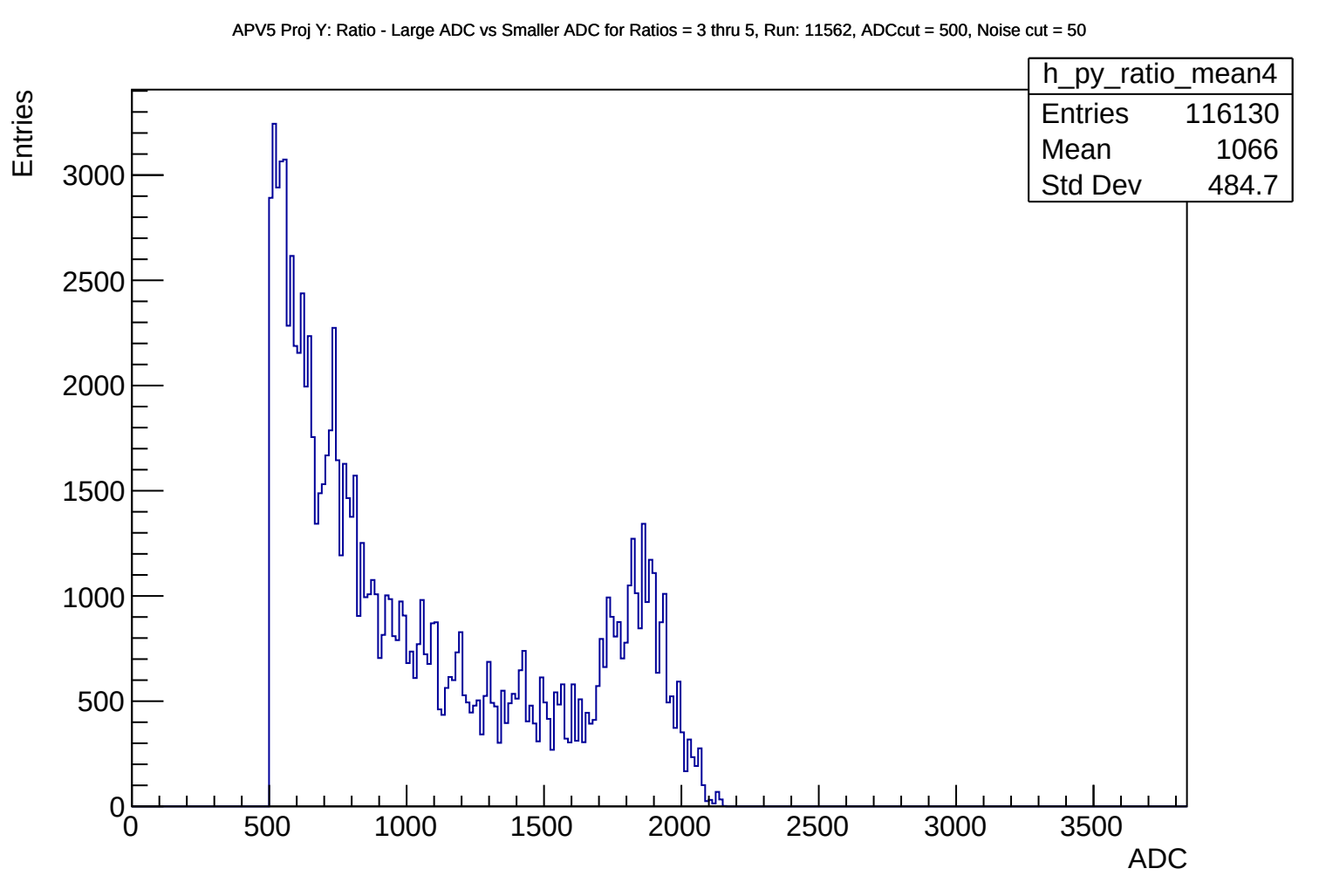


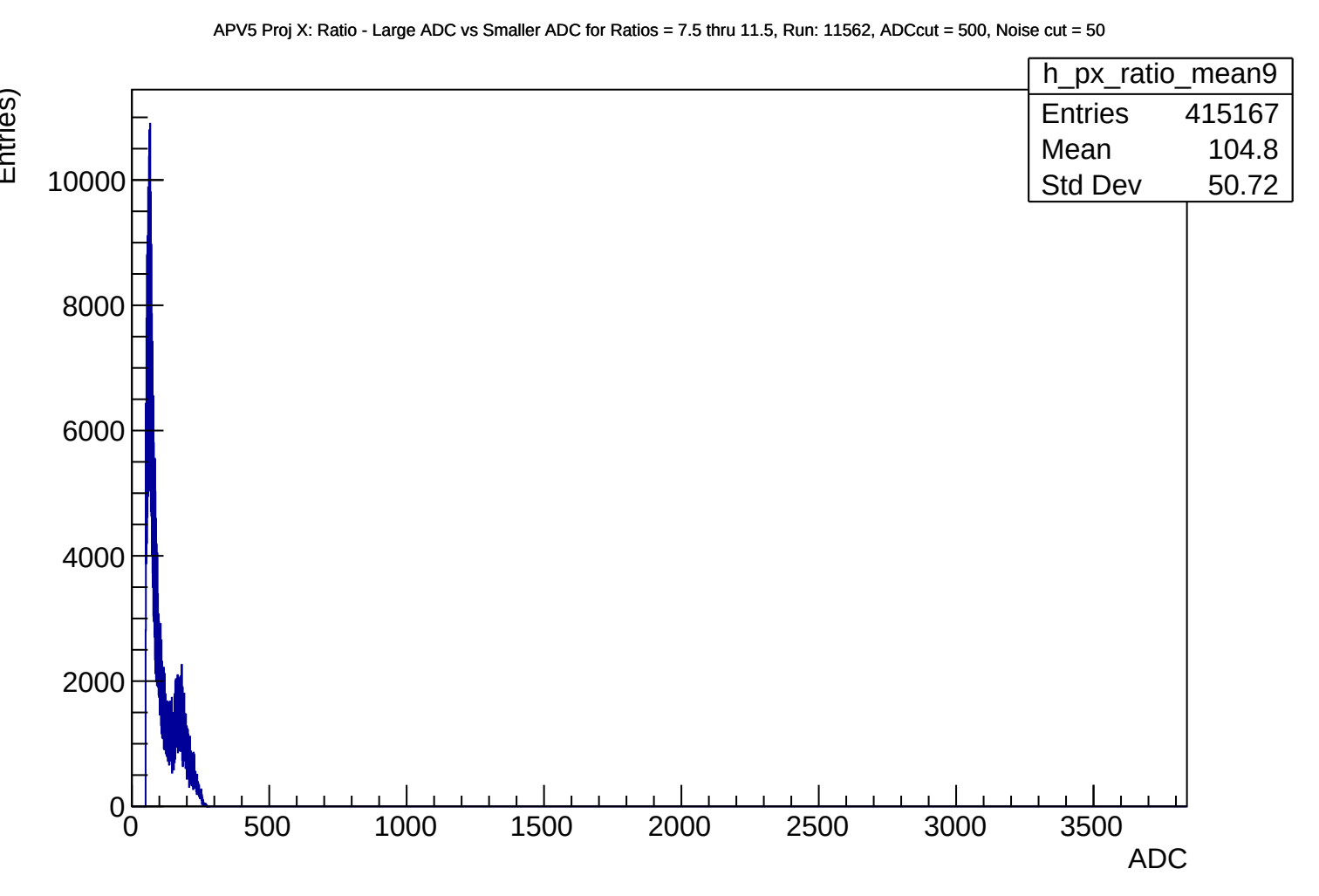

APV5 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV5_ratio_source_mean4_ADCmax_chan_U
Entries 116130
Mean x 275.5
Mean y 1066
Std Dev x 134.1
Std Dev y 484.7
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140
160

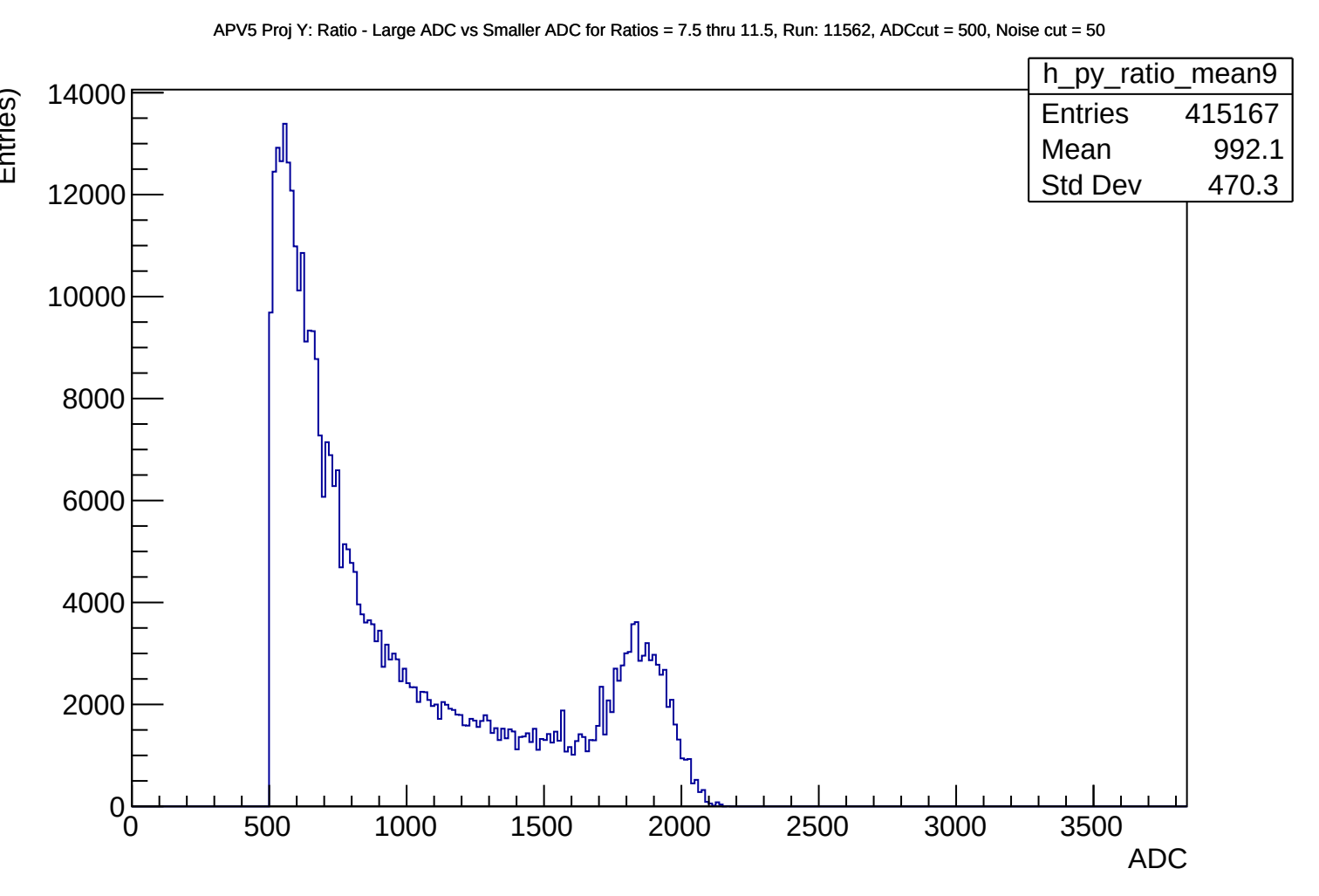

APV5 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV5_ratio_source_mean9_ADCmax_chan_U
Entries 415167
Mean x 104.8
Mean y 992.1
Std Dev x 50.72
Std Dev y 470.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600

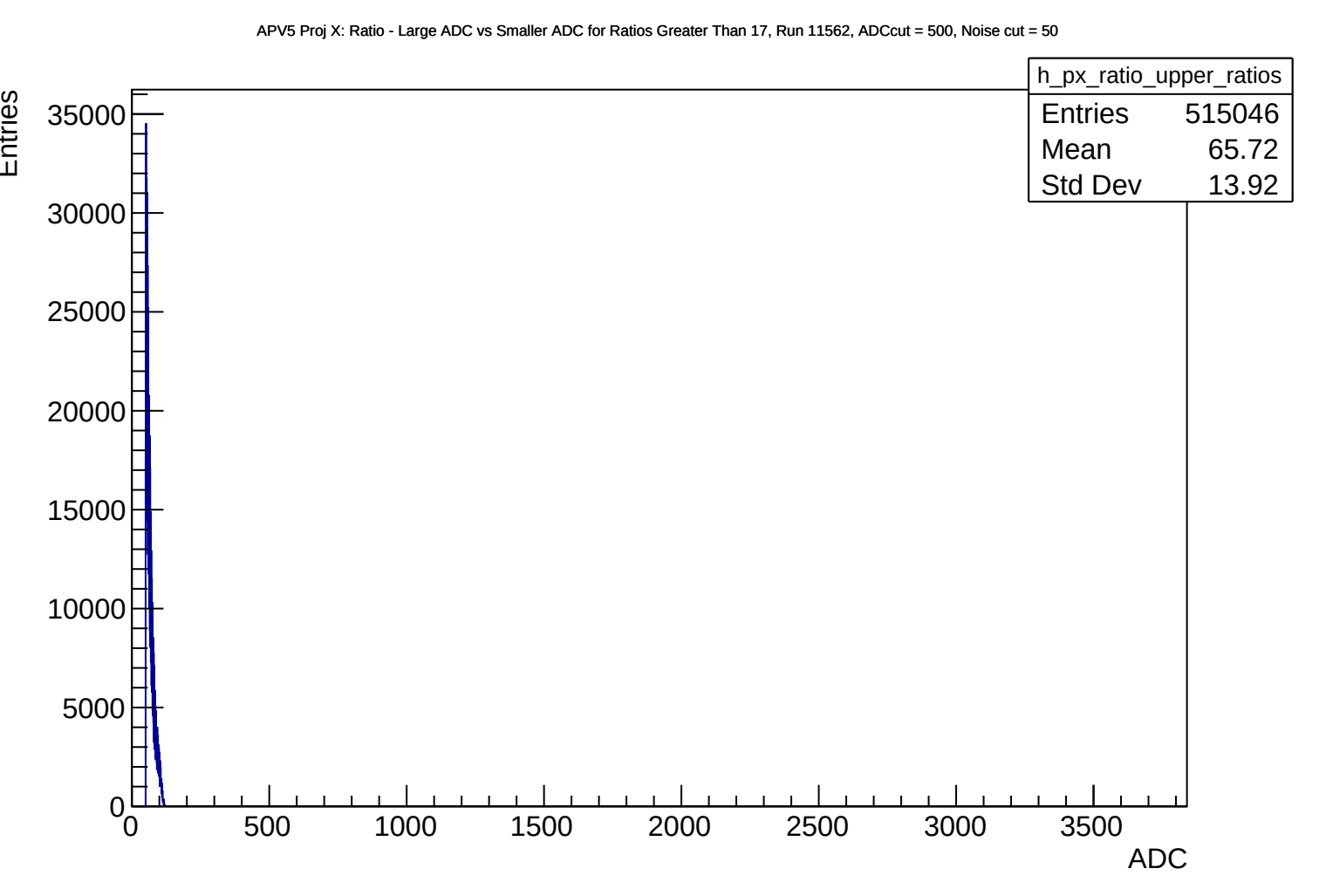

APV5 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV5_ratio_source_upper_ratios_ADCmax_chan_U
Entries 515046
Mean x 65.72
Mean y 1606
Std Dev x 13.92
Std Dev y 302.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600

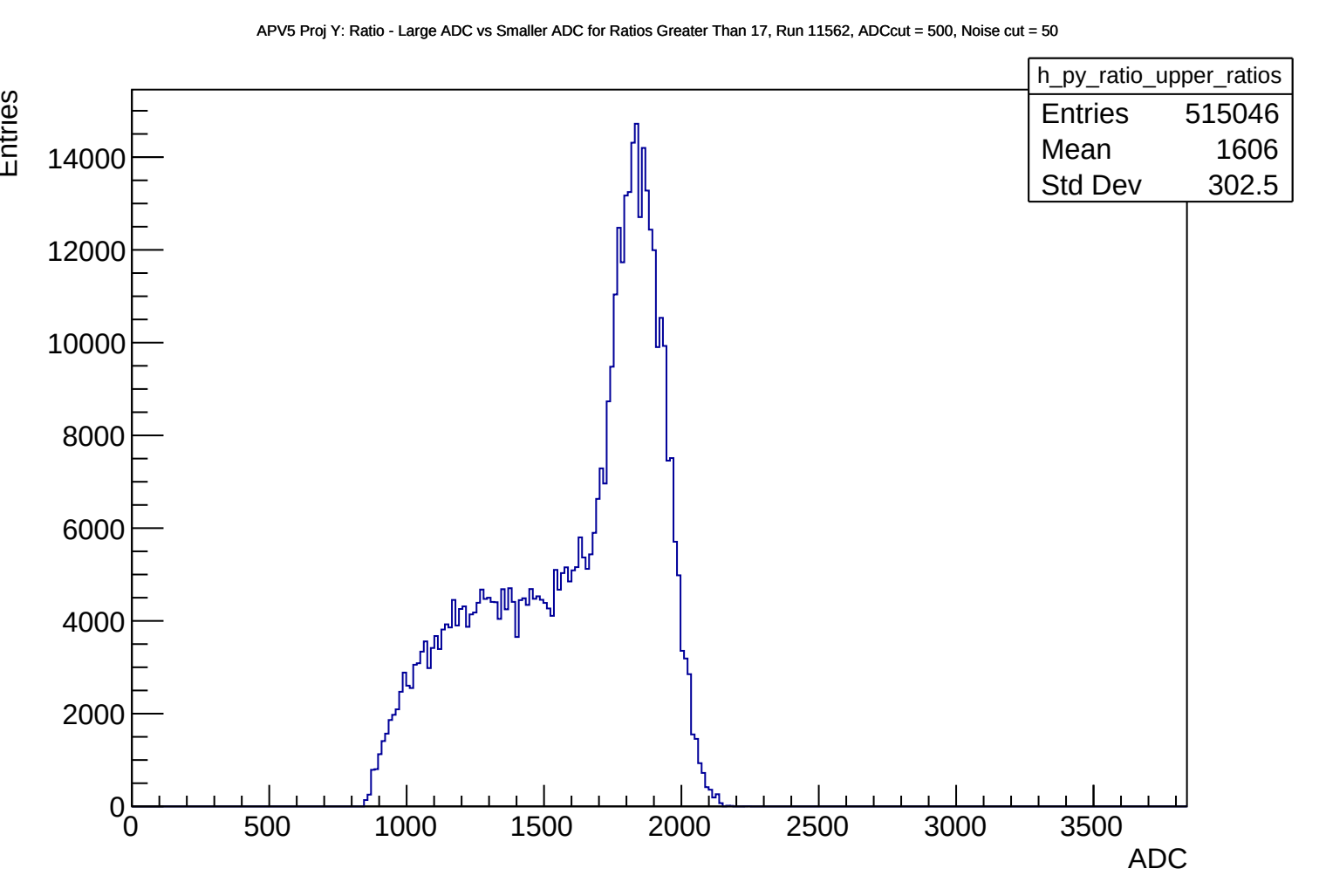

APV5 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 116130
Mean 275.5
Std Dev 134.1
Entries
0
200
400
600
800
1000
0
500
1000
1500
2000
2500
3000
3500
ADC

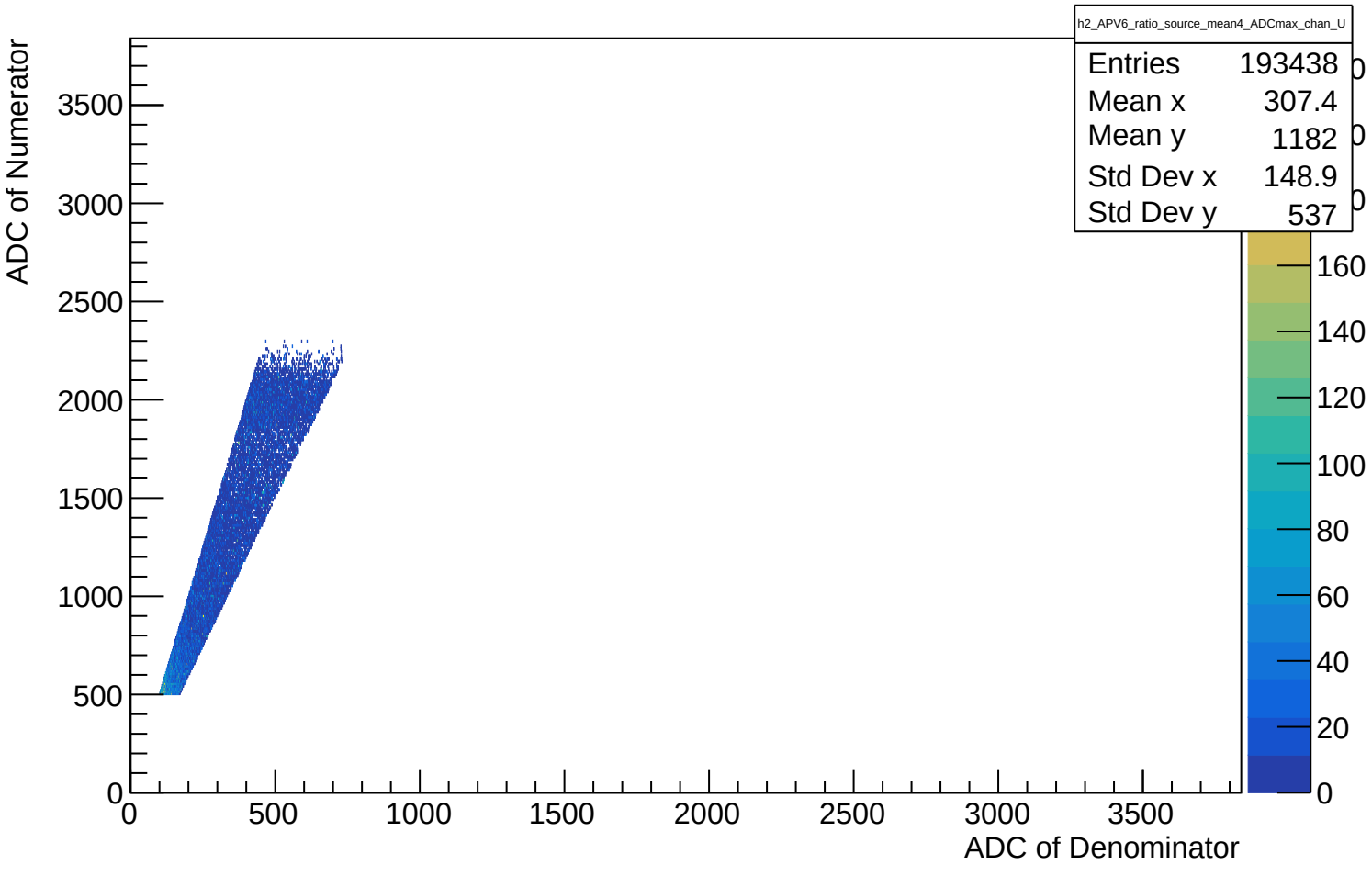

APV5 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 116130
Mean 1066
Std Dev 484.7
Entries
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

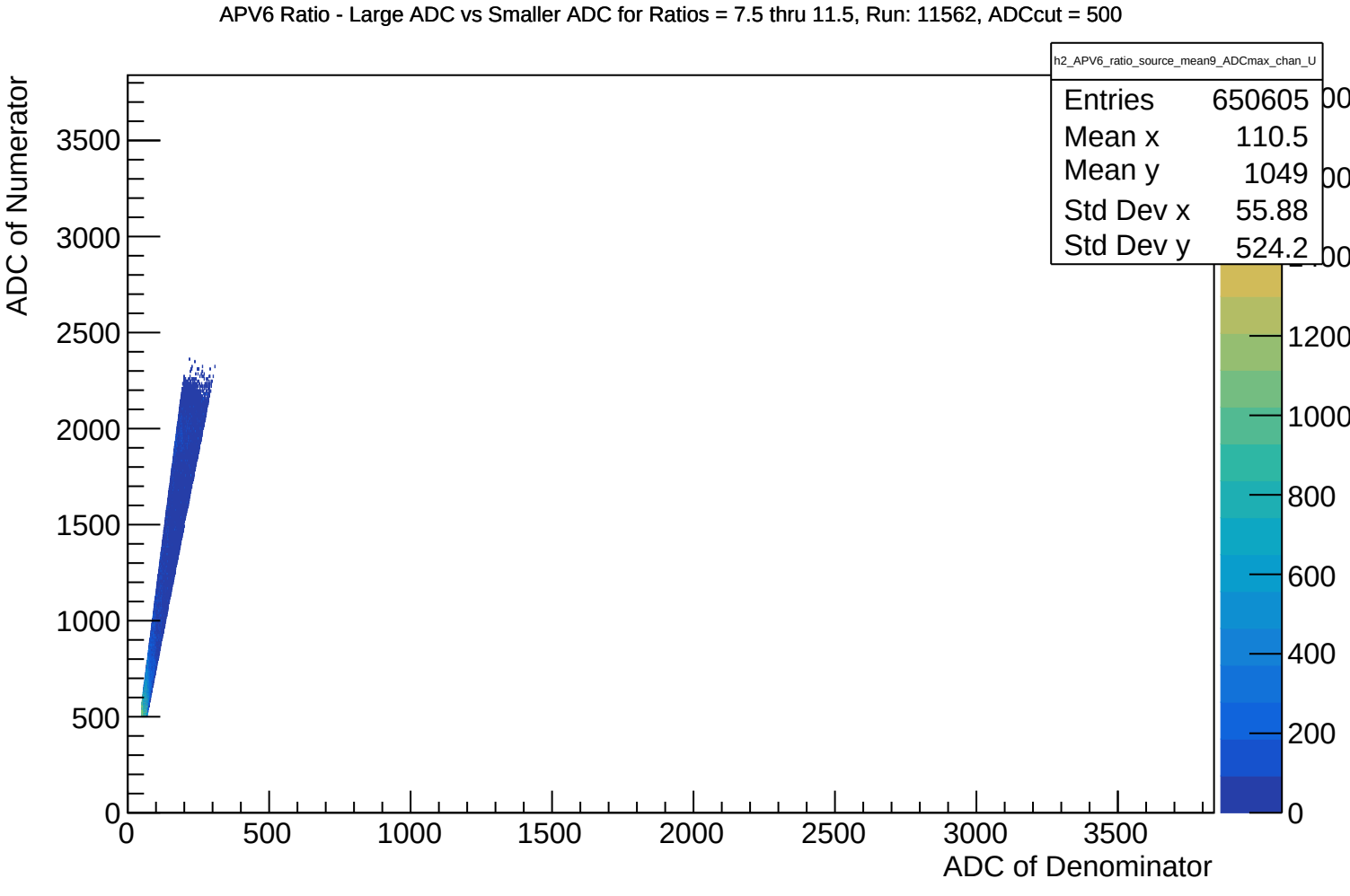

APV5 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 415167
Mean 104.8
Std Dev 50.72
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

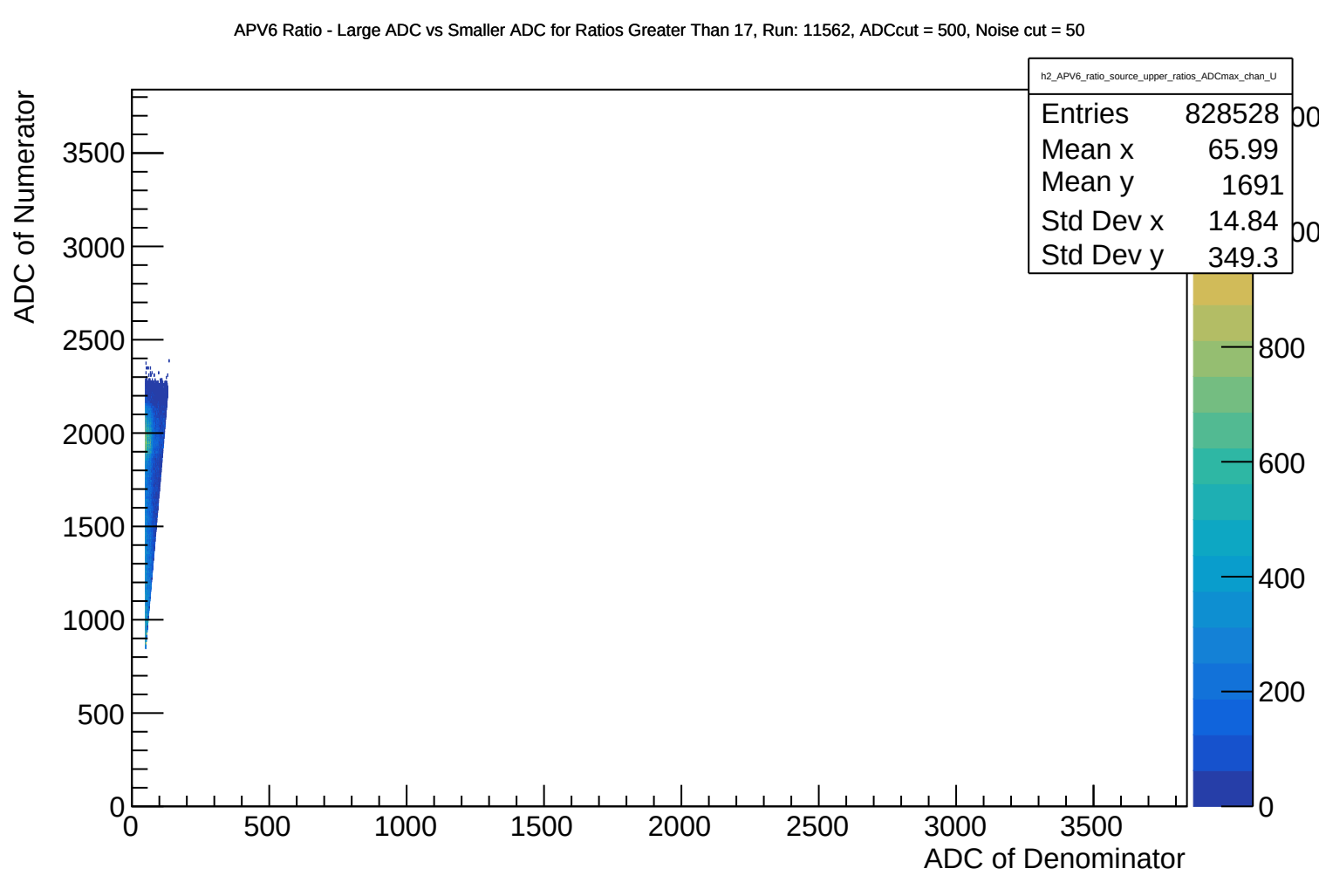

APV5 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 415167
Mean 992.1
Std Dev 470.3
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

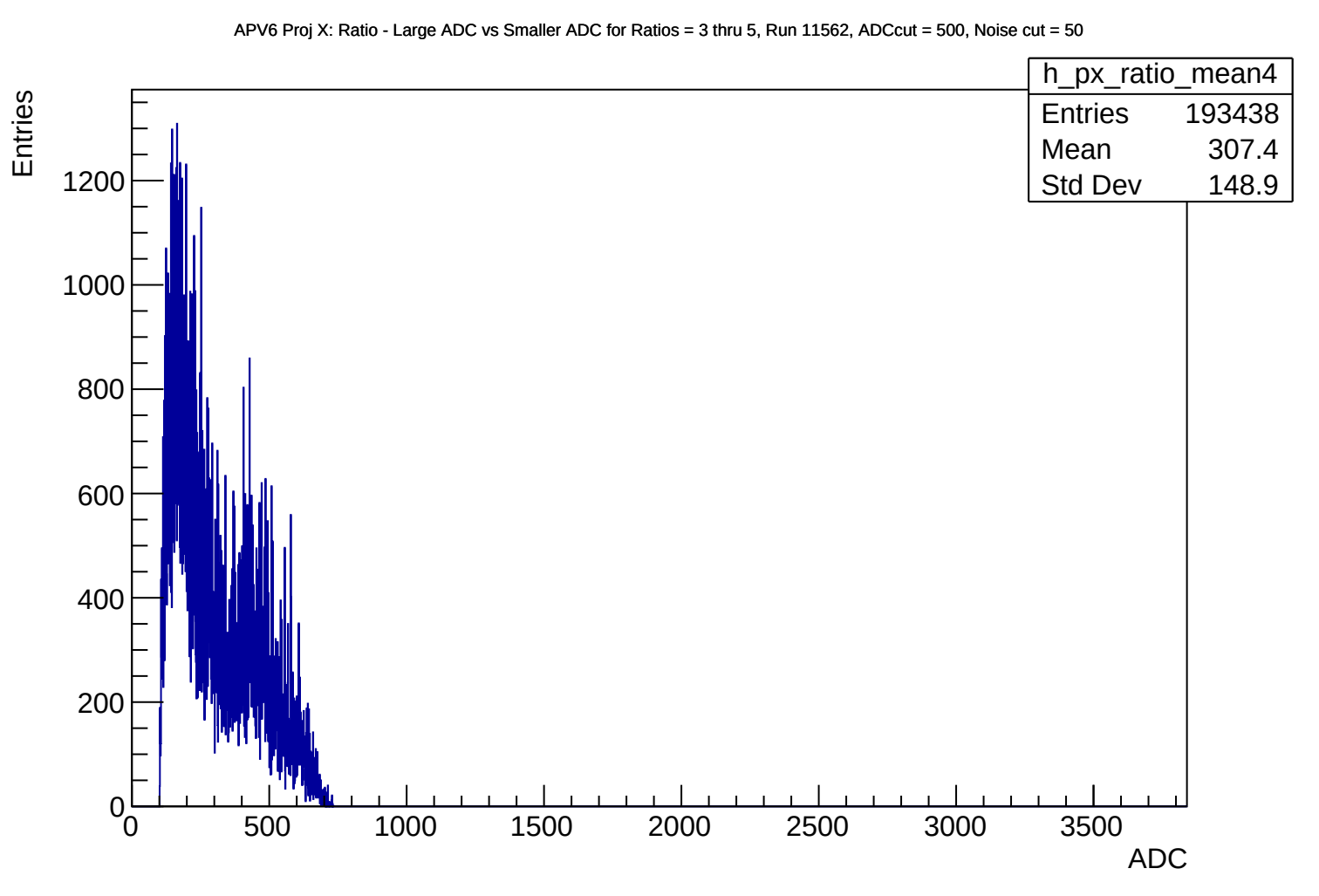

APV5 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 515046
Mean 65.72
Std Dev 13.92
Entries
35000
30000
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

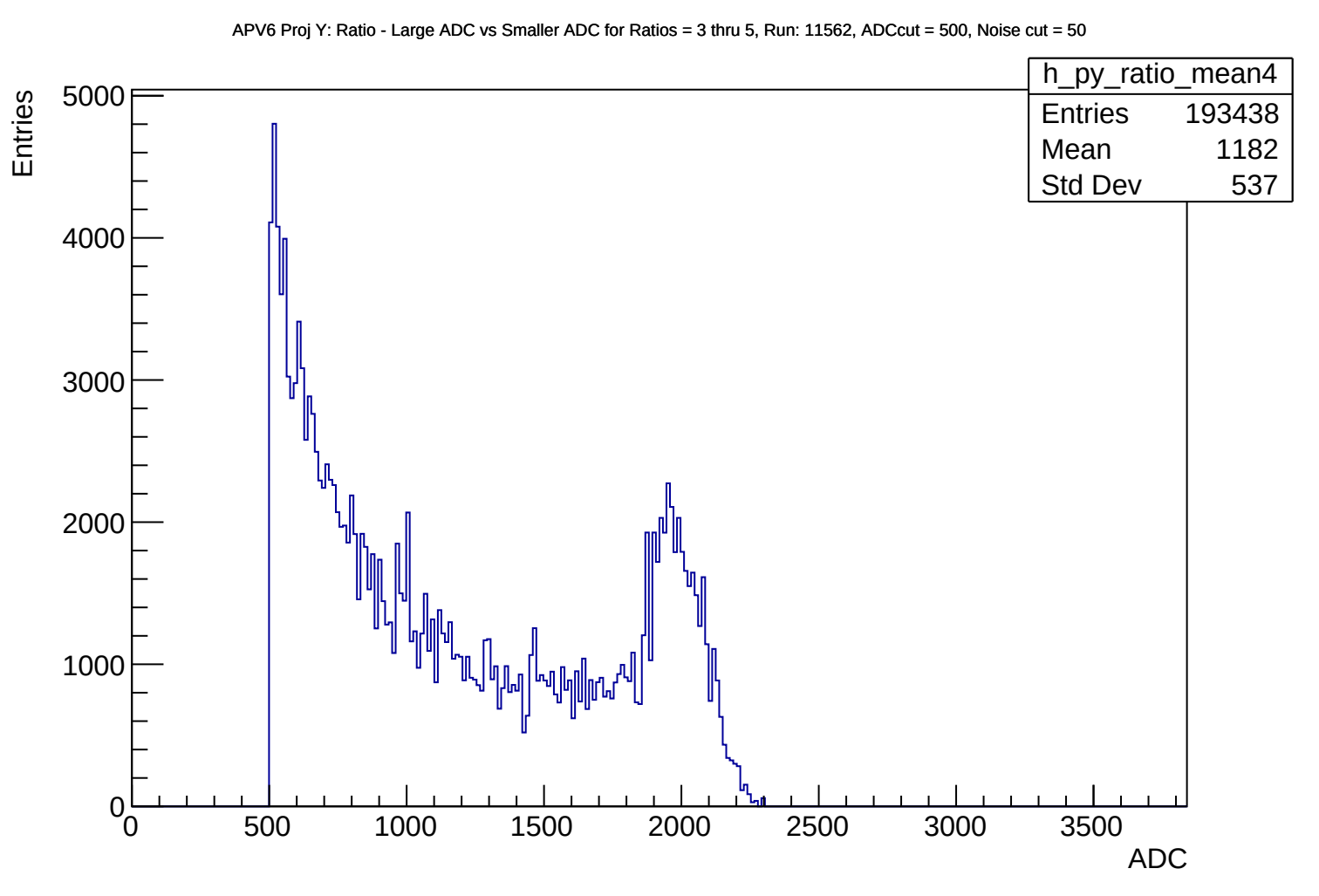

APV5 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 515046
Mean 1606
Std Dev 302.5
Entries
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

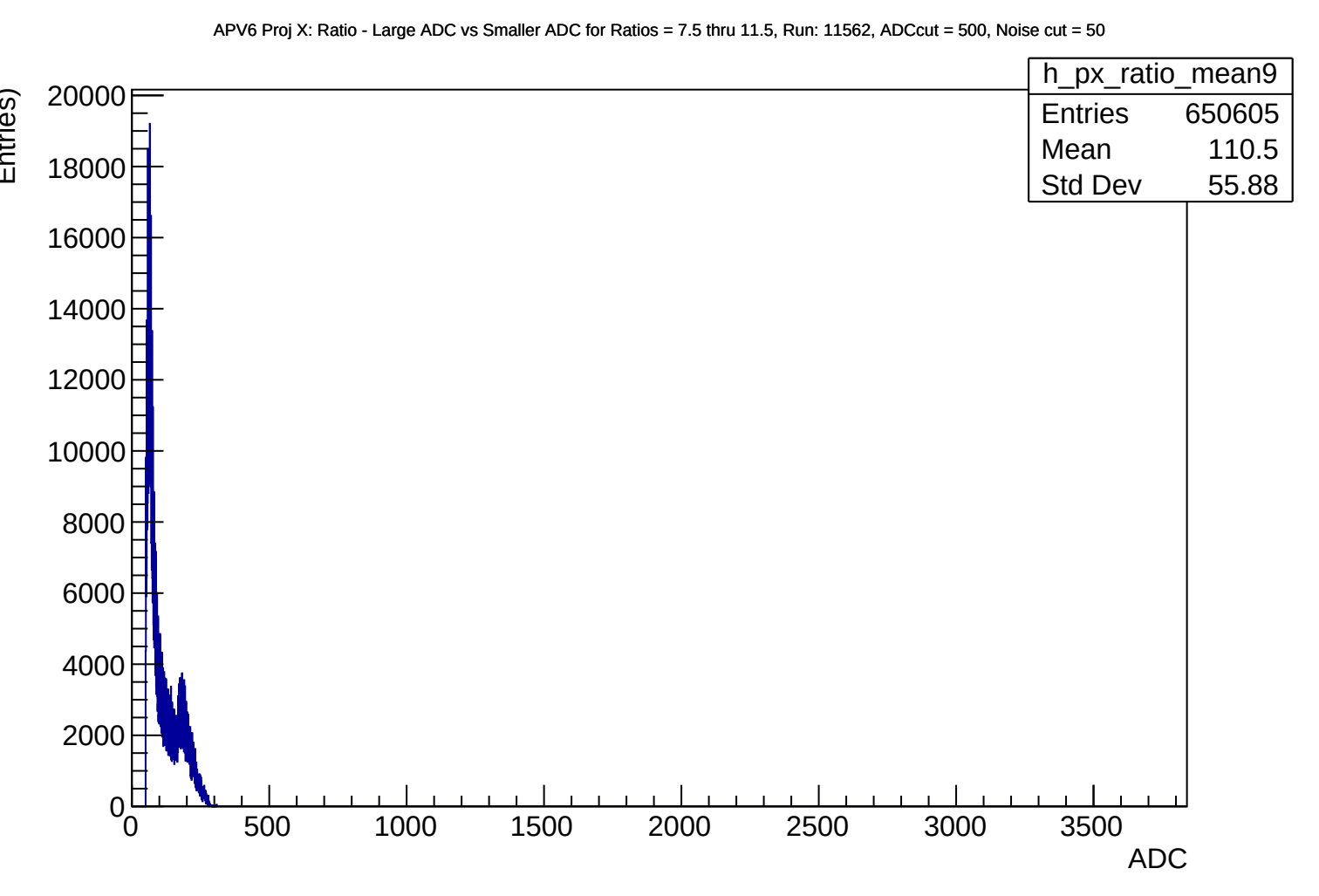

APV6 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV6_ratio_source_mean4_ADCmax_chan_U
Entries 193438
Mean x 307.4
Mean y 1182
Std Dev x 148.9
Std Dev y 537
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140
160

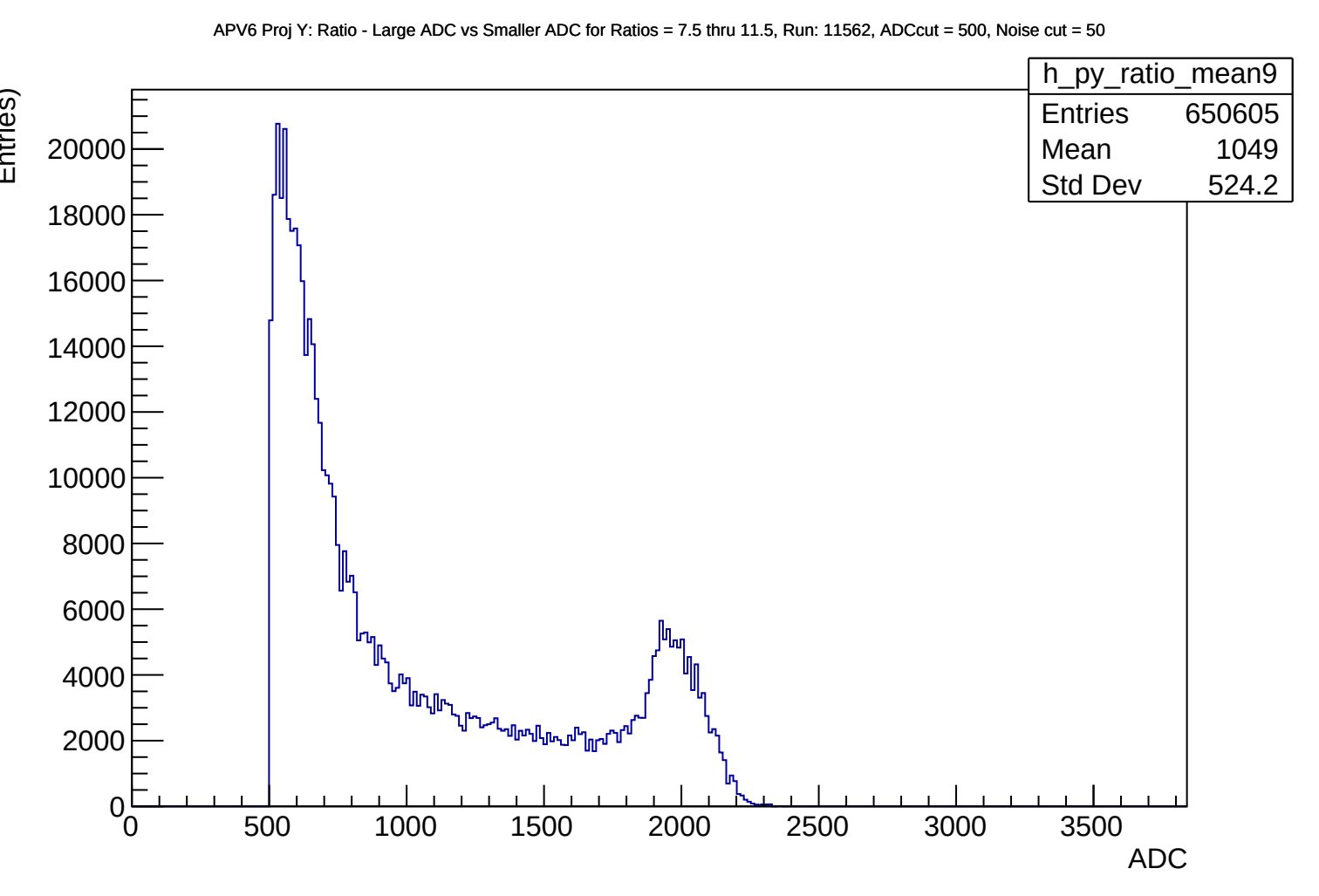

APV6 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV6_ratio_source_mean9_ADCmax_chan_U
Entries 650605
Mean x 110.5
Mean y 1049
Std Dev x 55.88
Std Dev y 524.2
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200

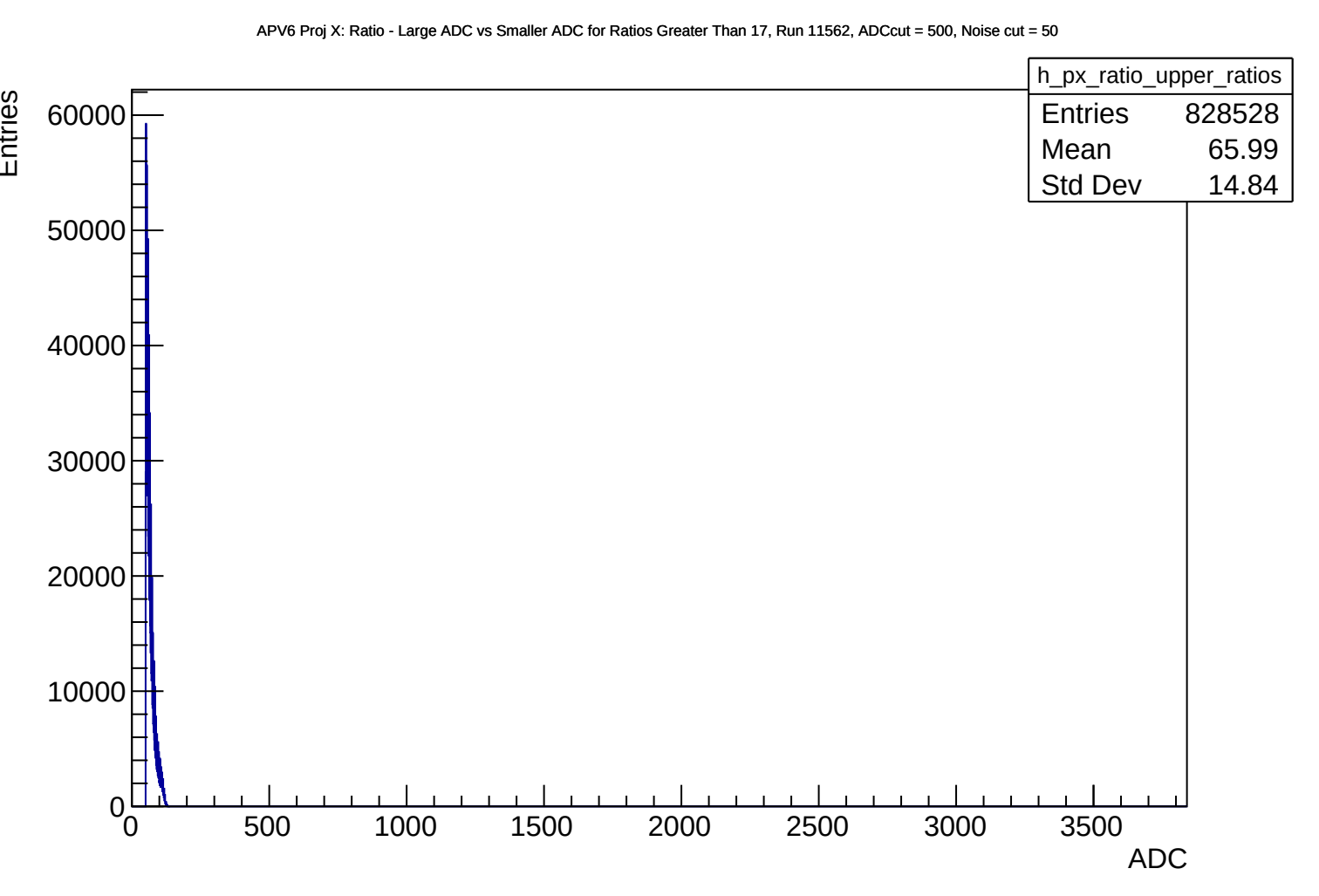

APV6 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV6_ratio_source_upper_ratios_ADCmax_chan_U
Entries 828528
Mean x 65.99
Mean y 1691
Std Dev x 14.84
Std Dev y 349.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800


APV6 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 193438
Mean 307.4
Std Dev 148.9
Entries
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
3500
ADC


APV6 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 193438
Mean 1182
Std Dev 537
Entries
ADC
0
1000
2000
3000
4000
5000
0
500
1000
1500
2000
2500
3000
3500


APV6 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 650605
Mean 110.5
Std Dev 55.88
Entries)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV6 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 650605
Mean 1049
Std Dev 524.2
Entries)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV6 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 828528
Mean 65.99
Std Dev 14.84
Entries
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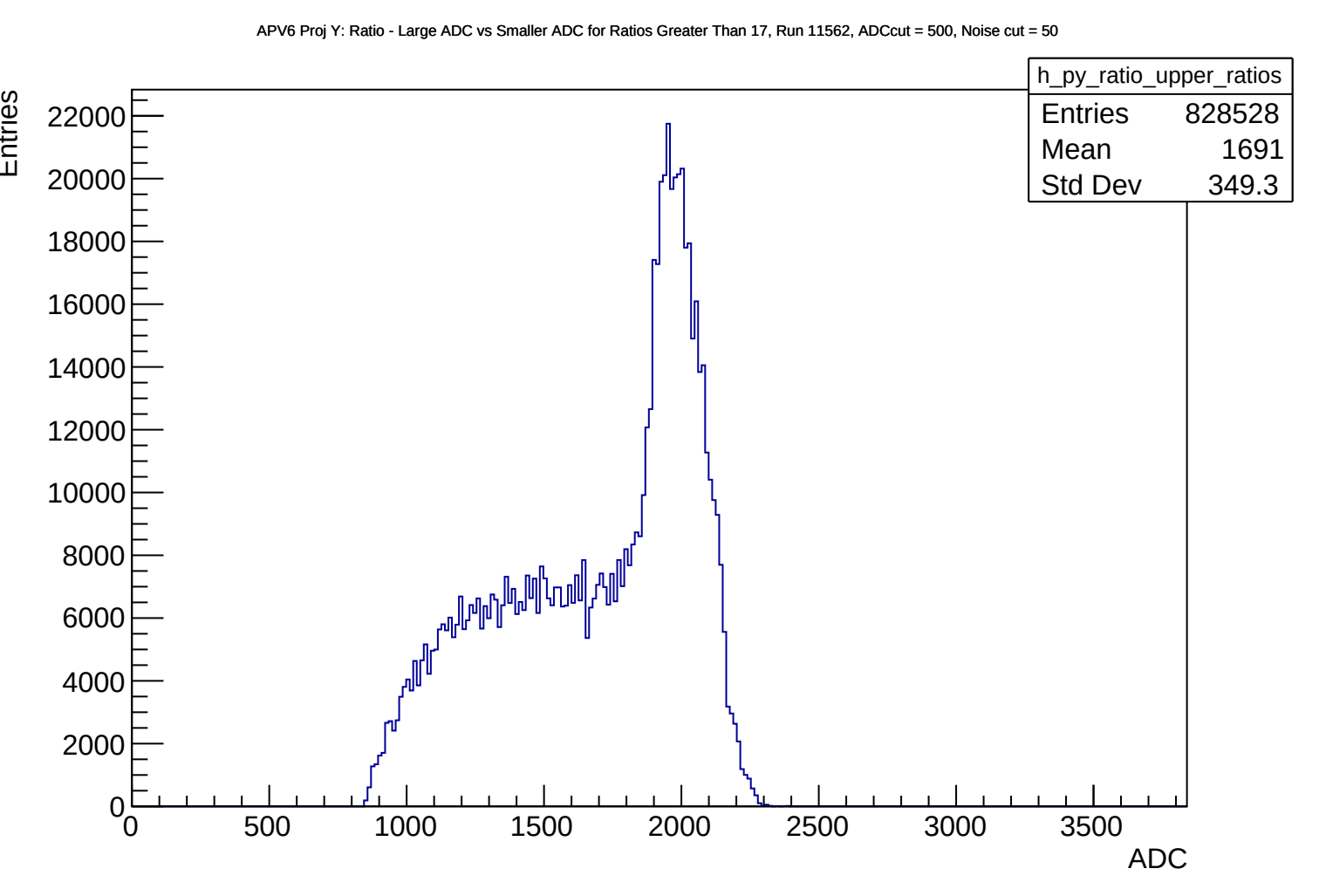
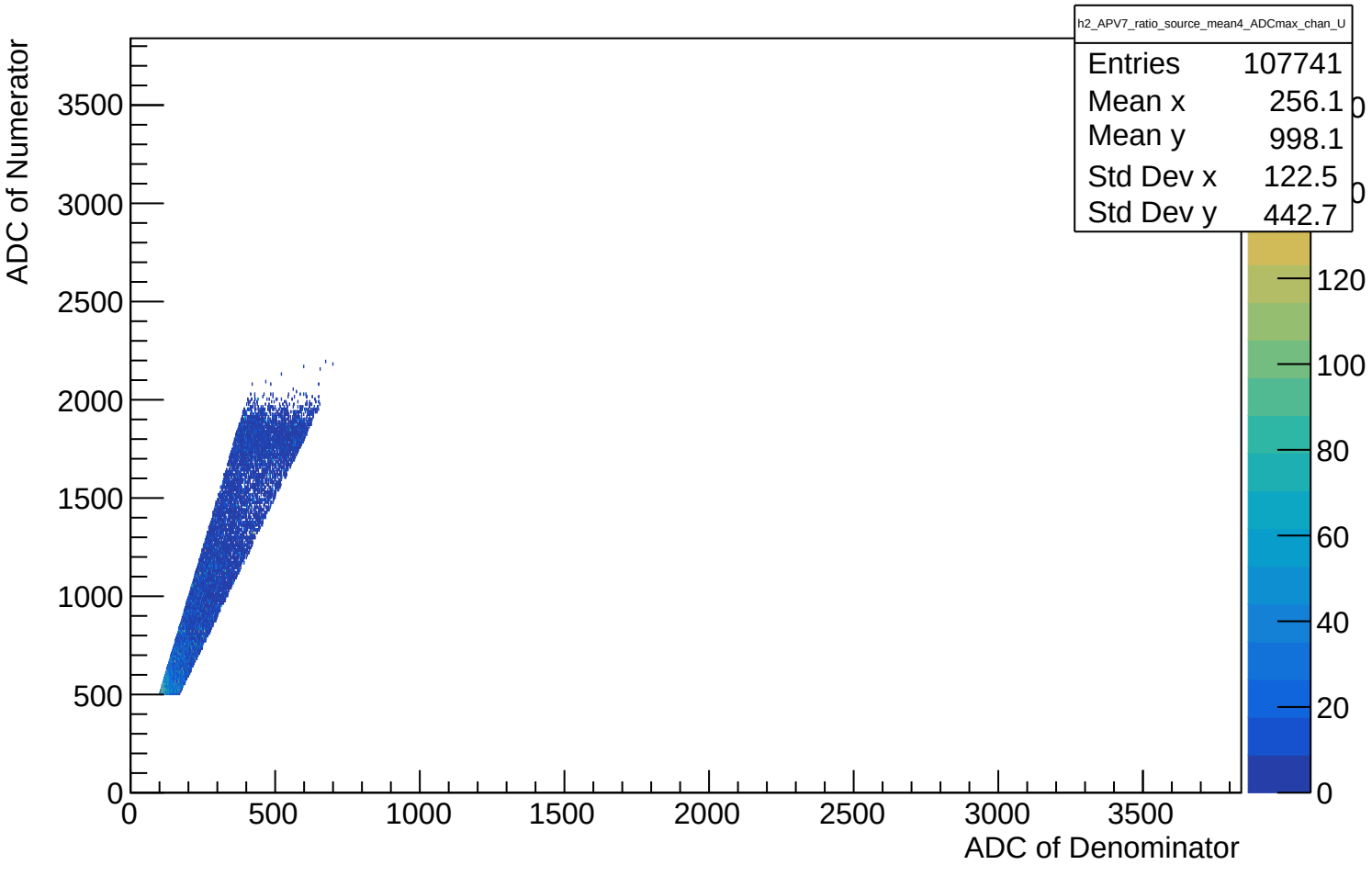
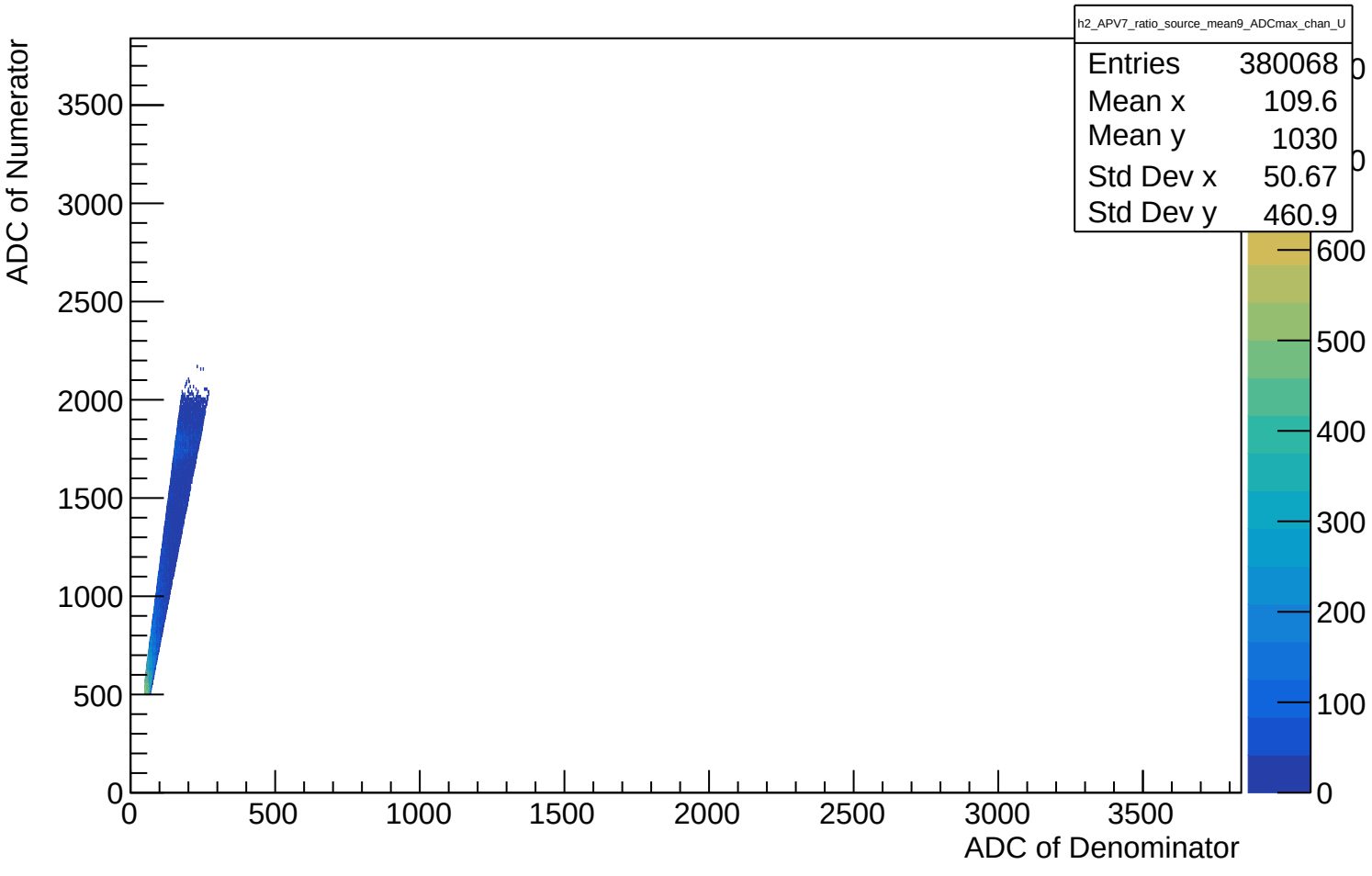
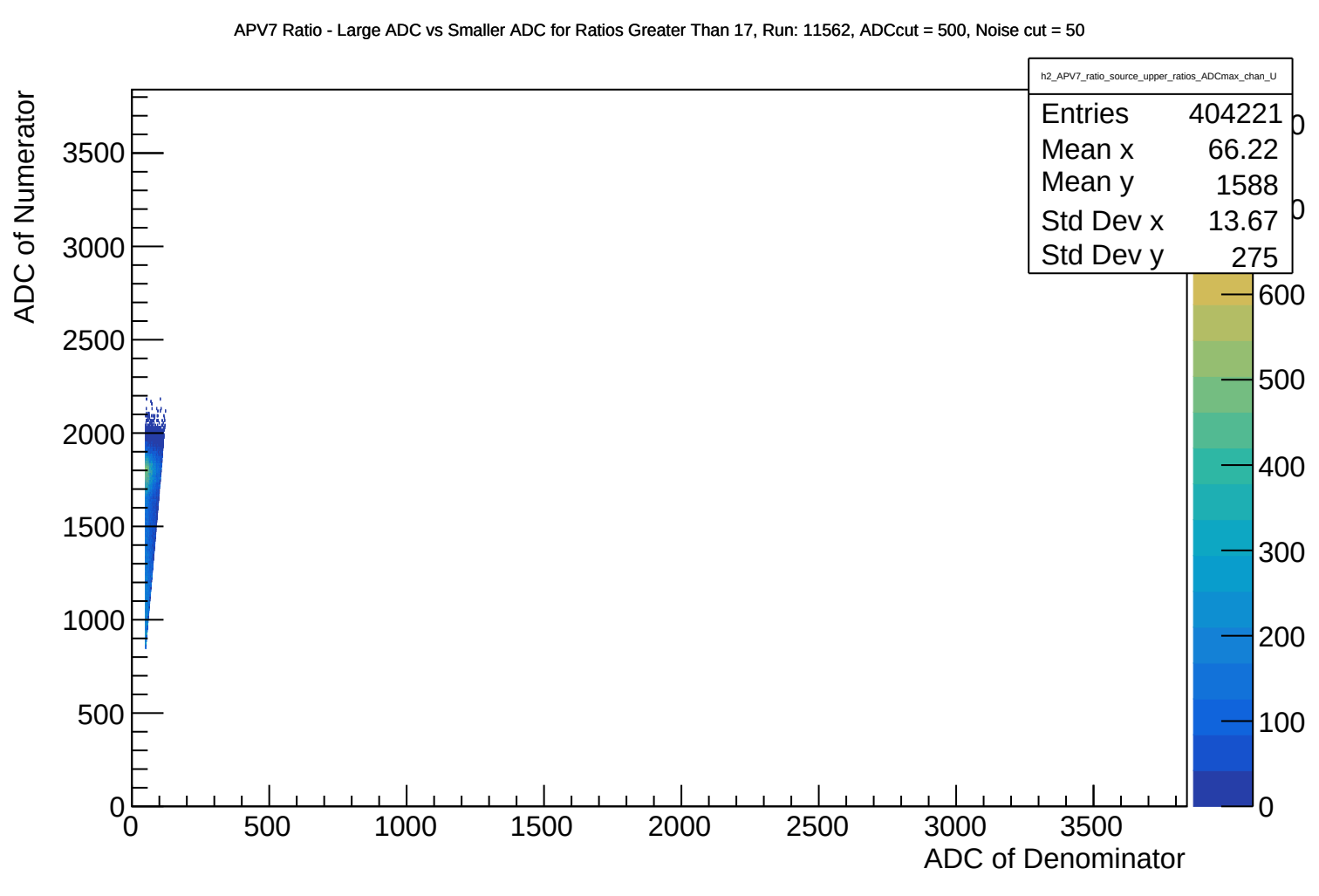
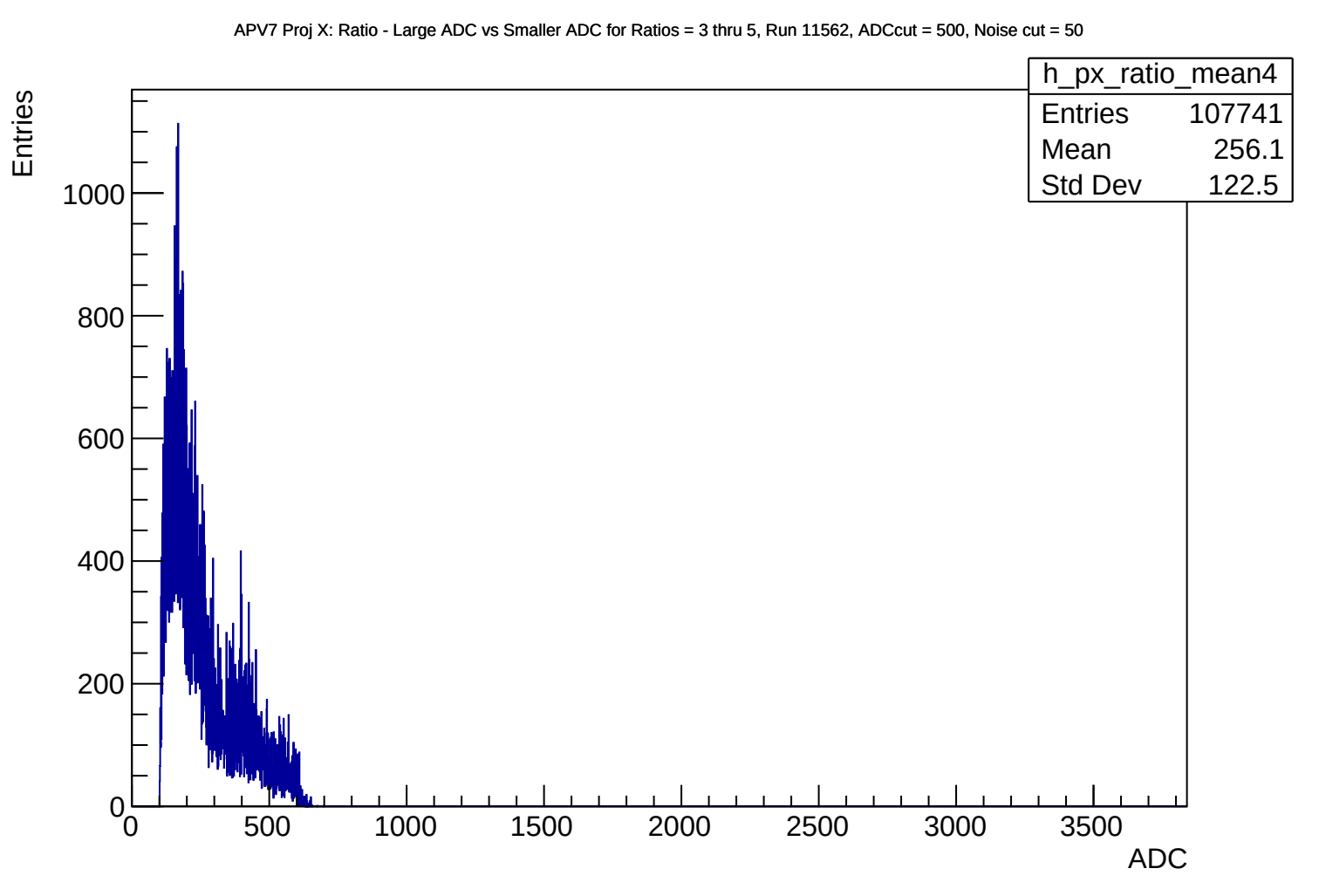
50000
40000
30000
20000
10000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

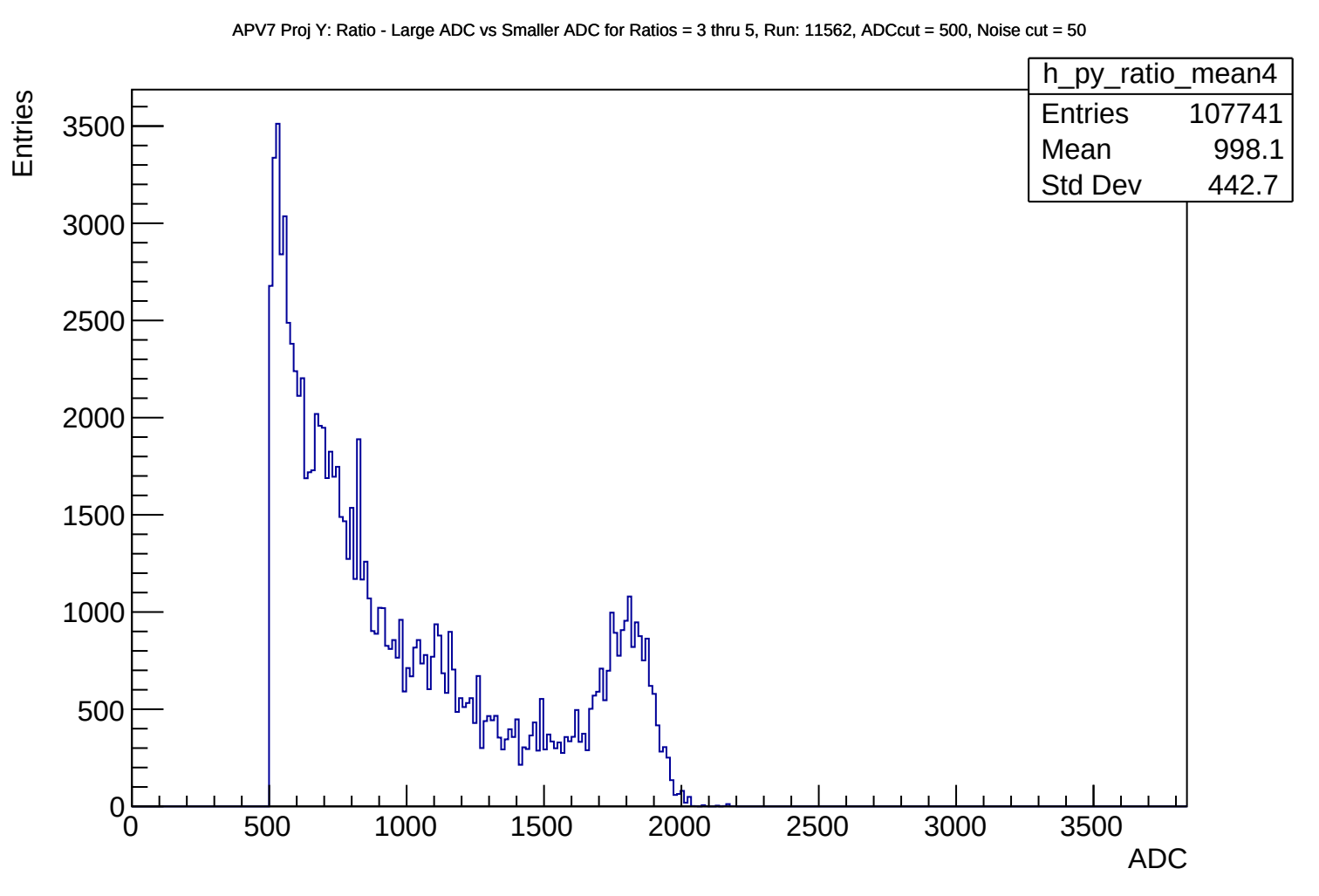

APV6 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 828528
Mean 1691
Std Dev 349.3
Entries
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

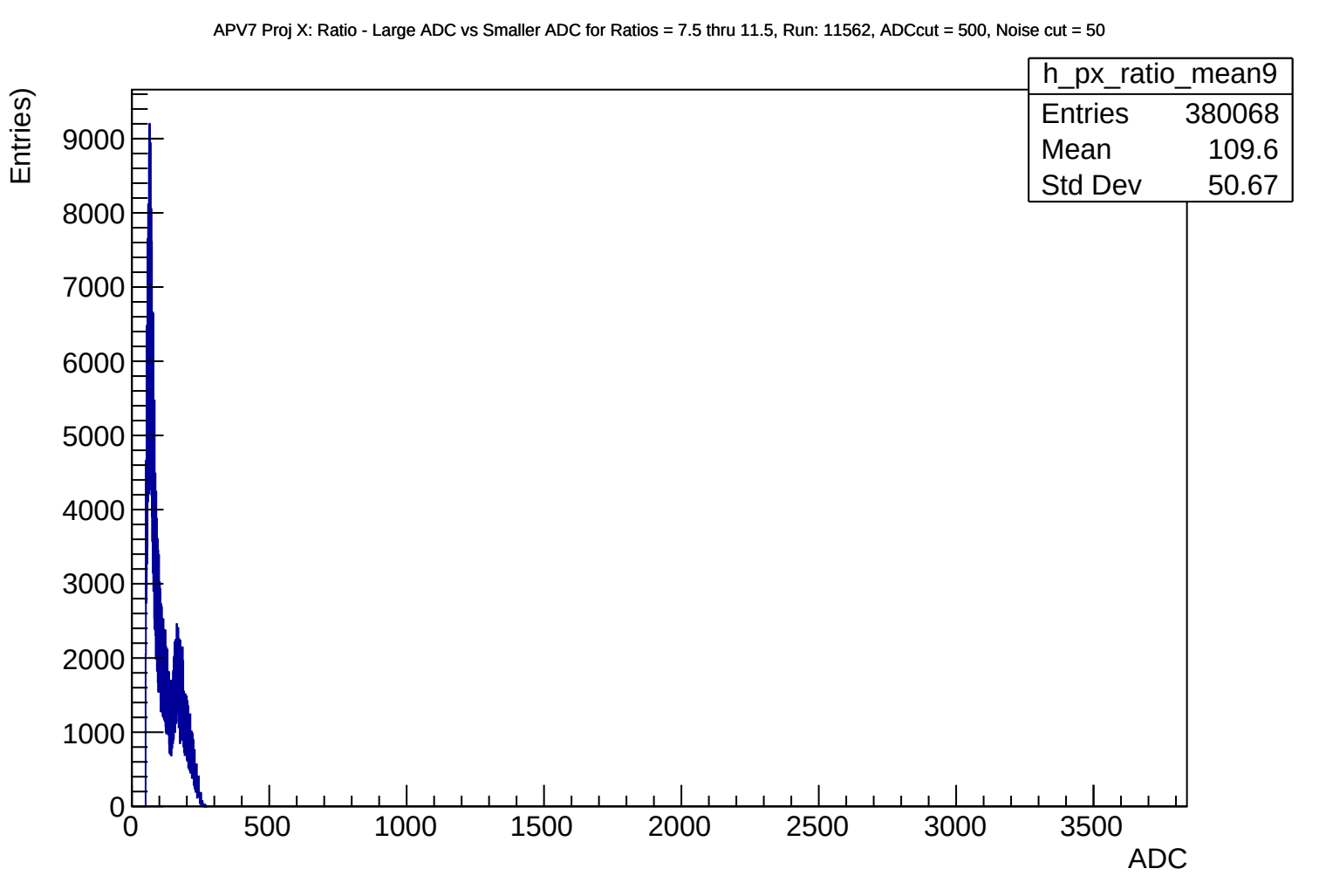

APV7 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV7_ratio_source_mean4_ADCmax_chan_U
Entries 107741
Mean x 256.1
Mean y 998.1
Std Dev x 122.5
Std Dev y 442.7
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120

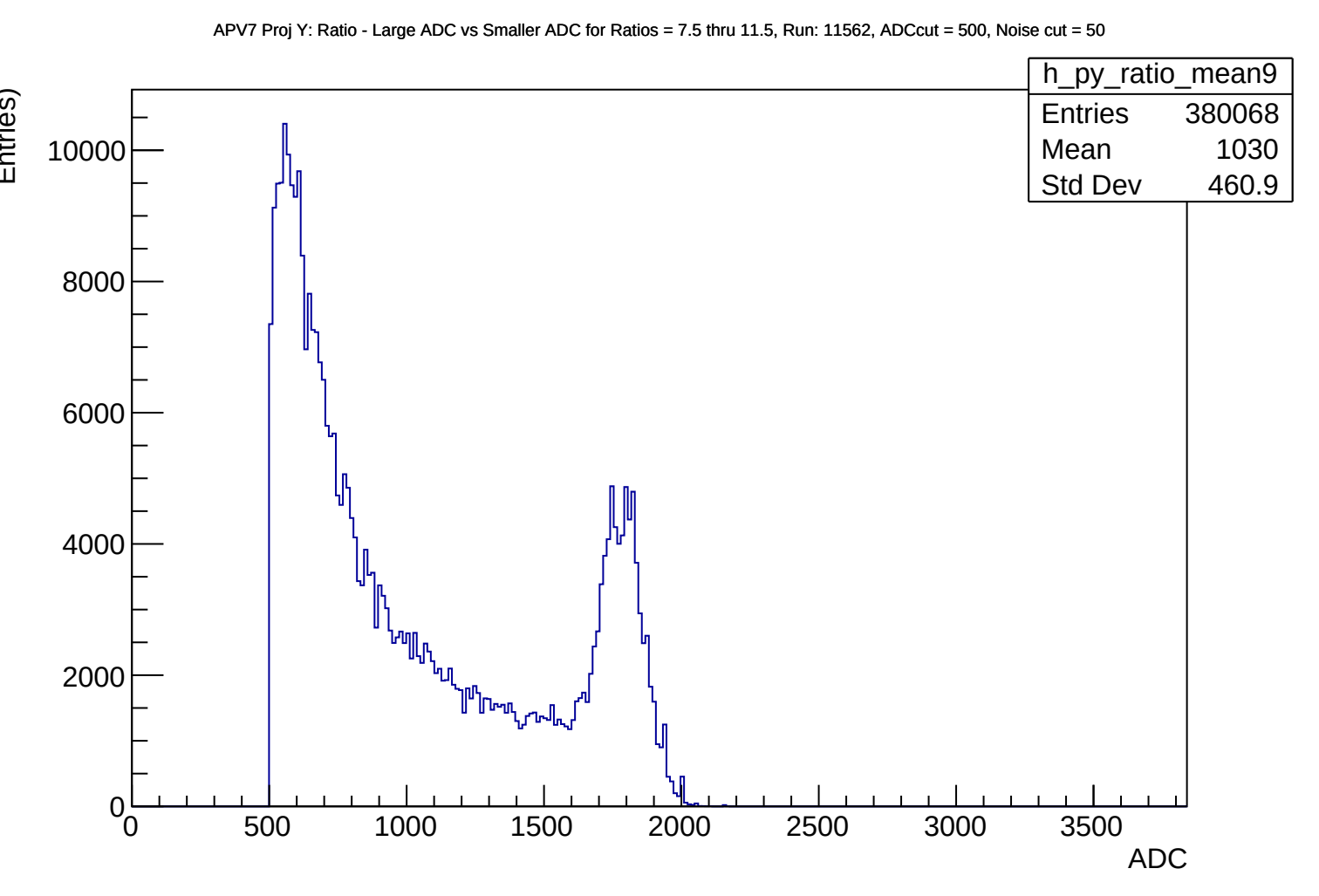

APV7 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV7_ratio_source_mean9_ADCmax_chan_U
Entries 380068
Mean x 109.6
Mean y 1030
Std Dev x 50.67
Std Dev y 460.9
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600

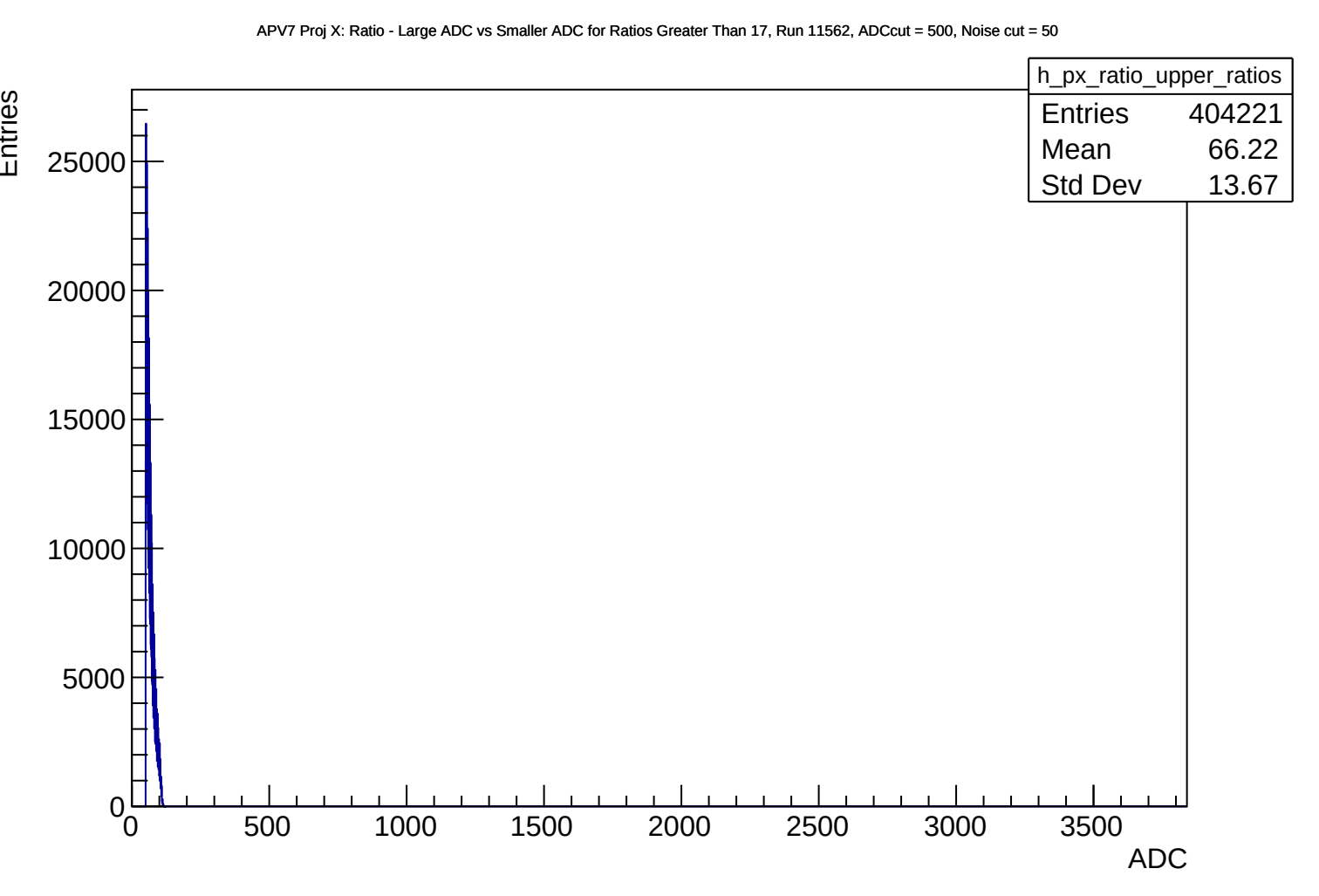

APV7 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV7_ratio_source_upper_ratios_ADCmax_chan_U
Entries 404221
Mean x 66.22
Mean y 1588
Std Dev x 13.67
Std Dev y 275
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600

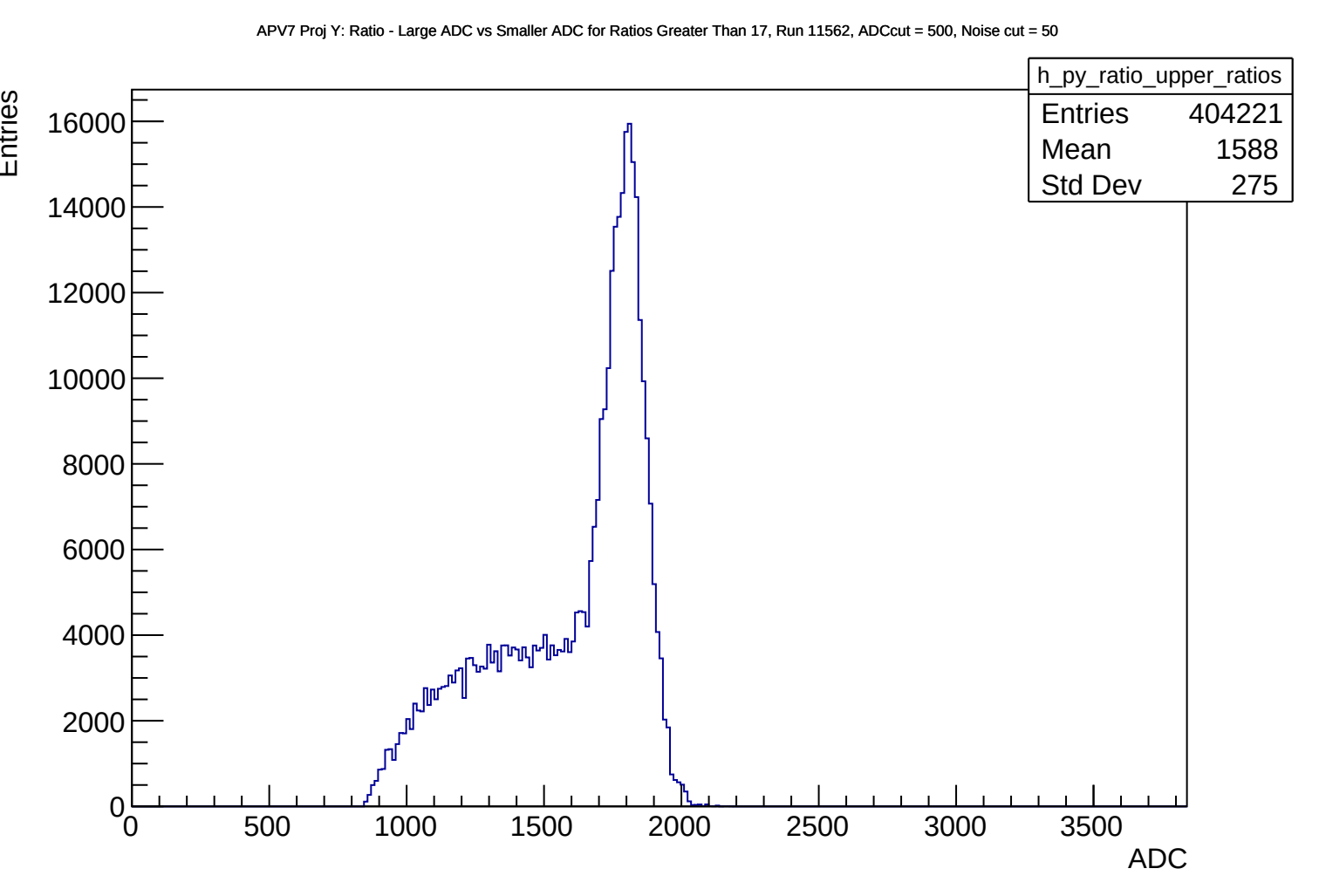

APV7 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 107741
Mean 256.1
Std Dev 122.5
Entries
0
200
400
600
800
1000
0
500
1000
1500
2000
2500
3000
3500
ADC

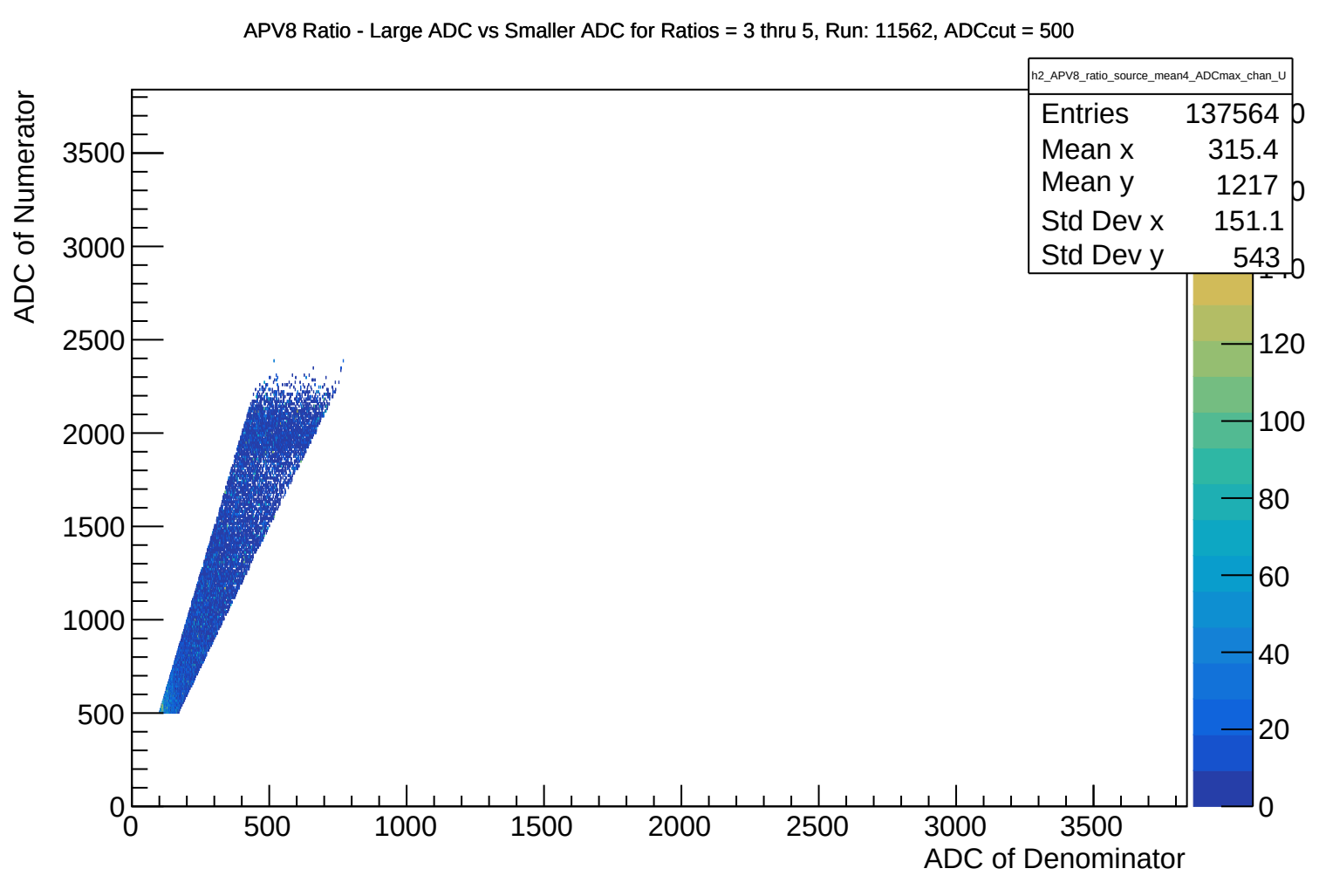

APV7 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 107741
Mean 998.1
Std Dev 442.7
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500

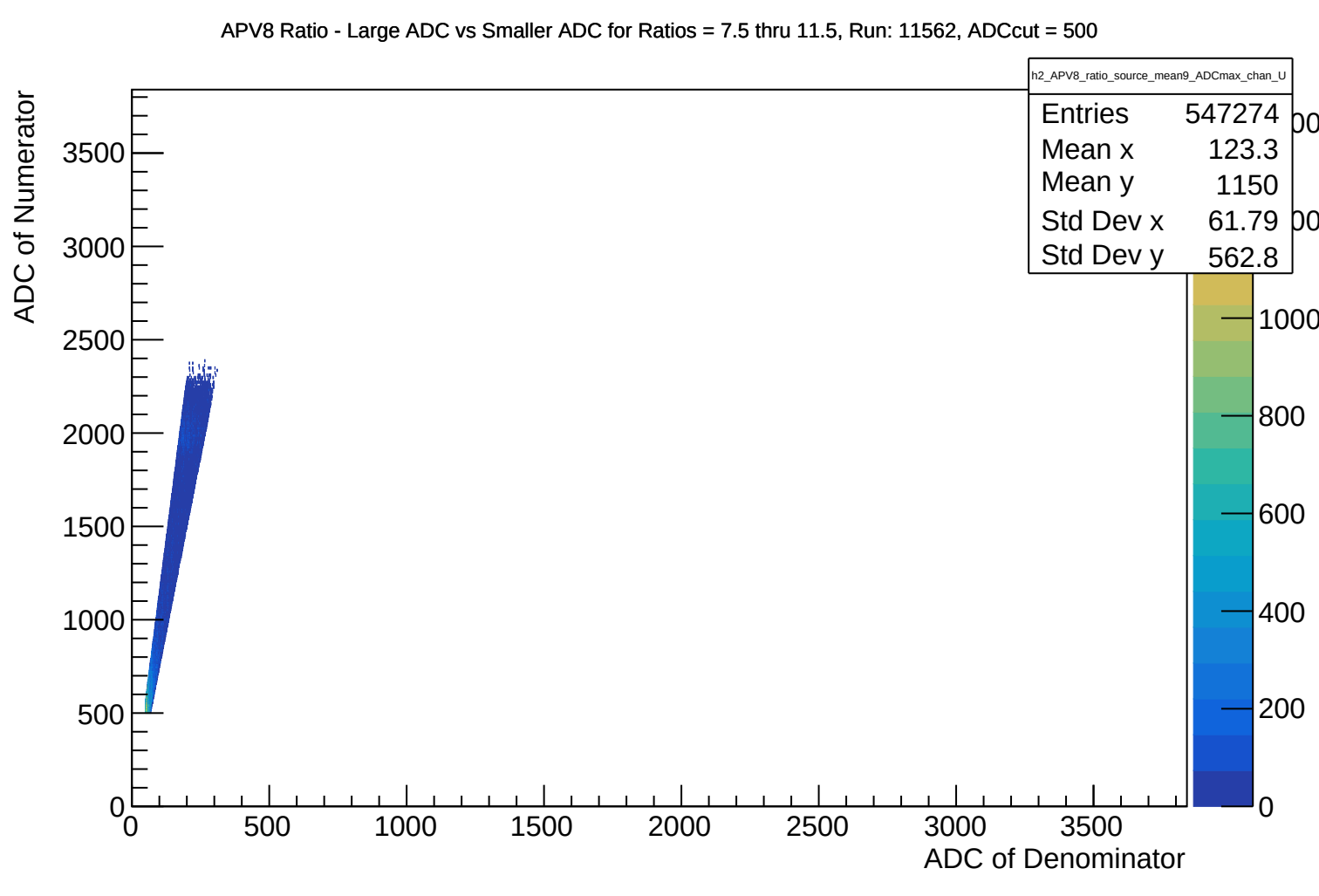

APV7 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 380068
Mean 109.6
Std Dev 50.67
Entries)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

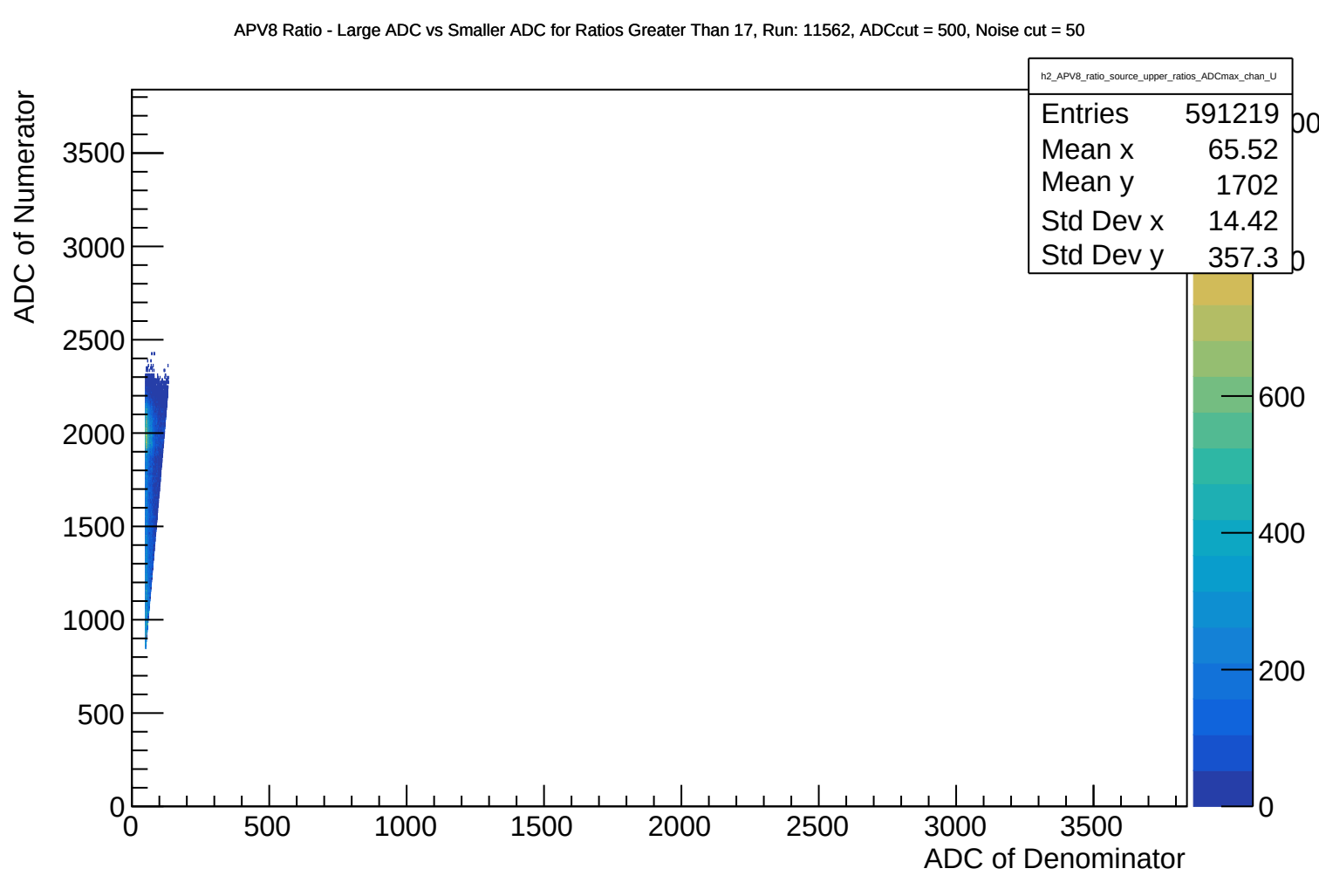

APV7 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 380068
Mean 1030
Std Dev 460.9
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

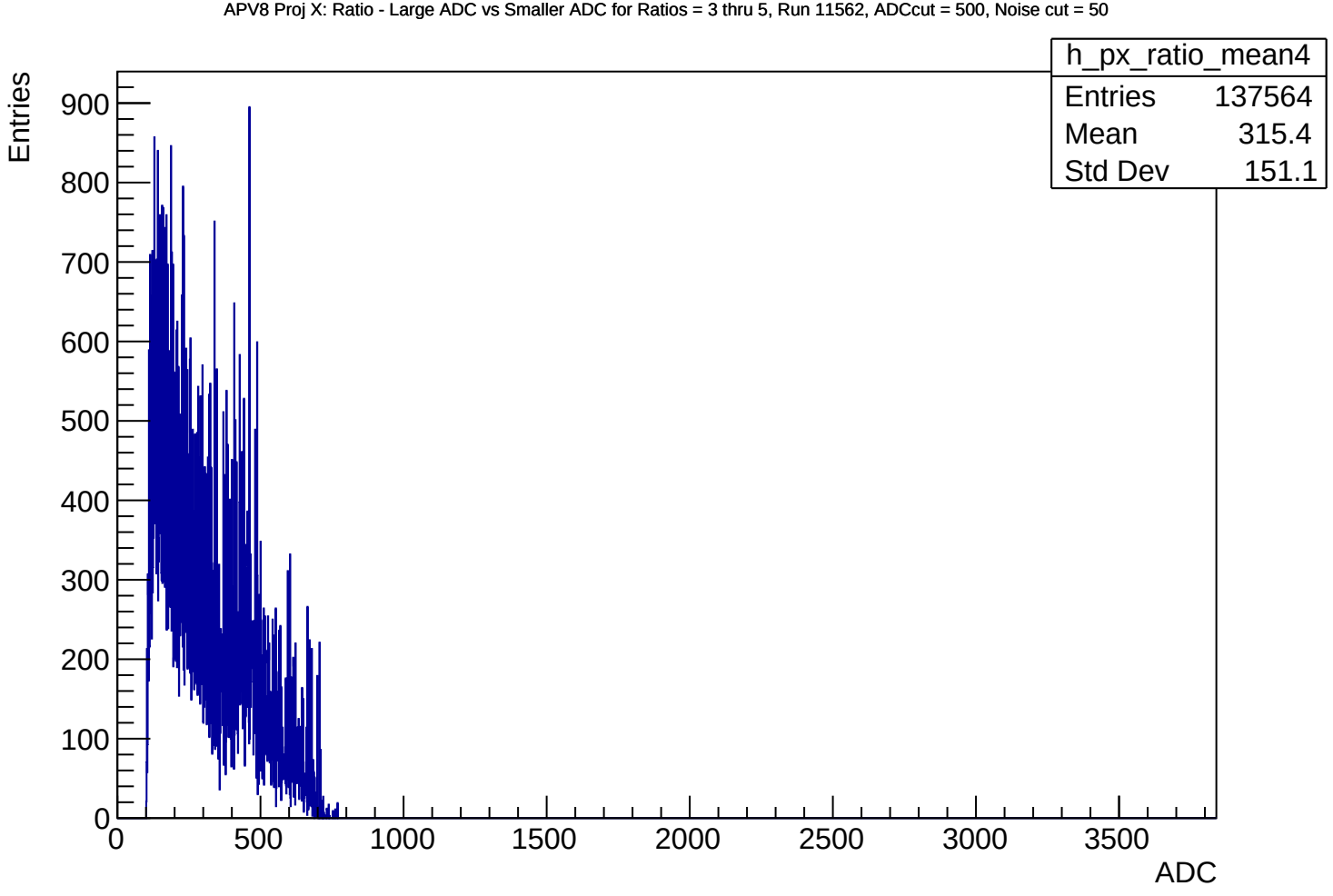

APV7 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 404221
Mean 66.22
Std Dev 13.67
Entries
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

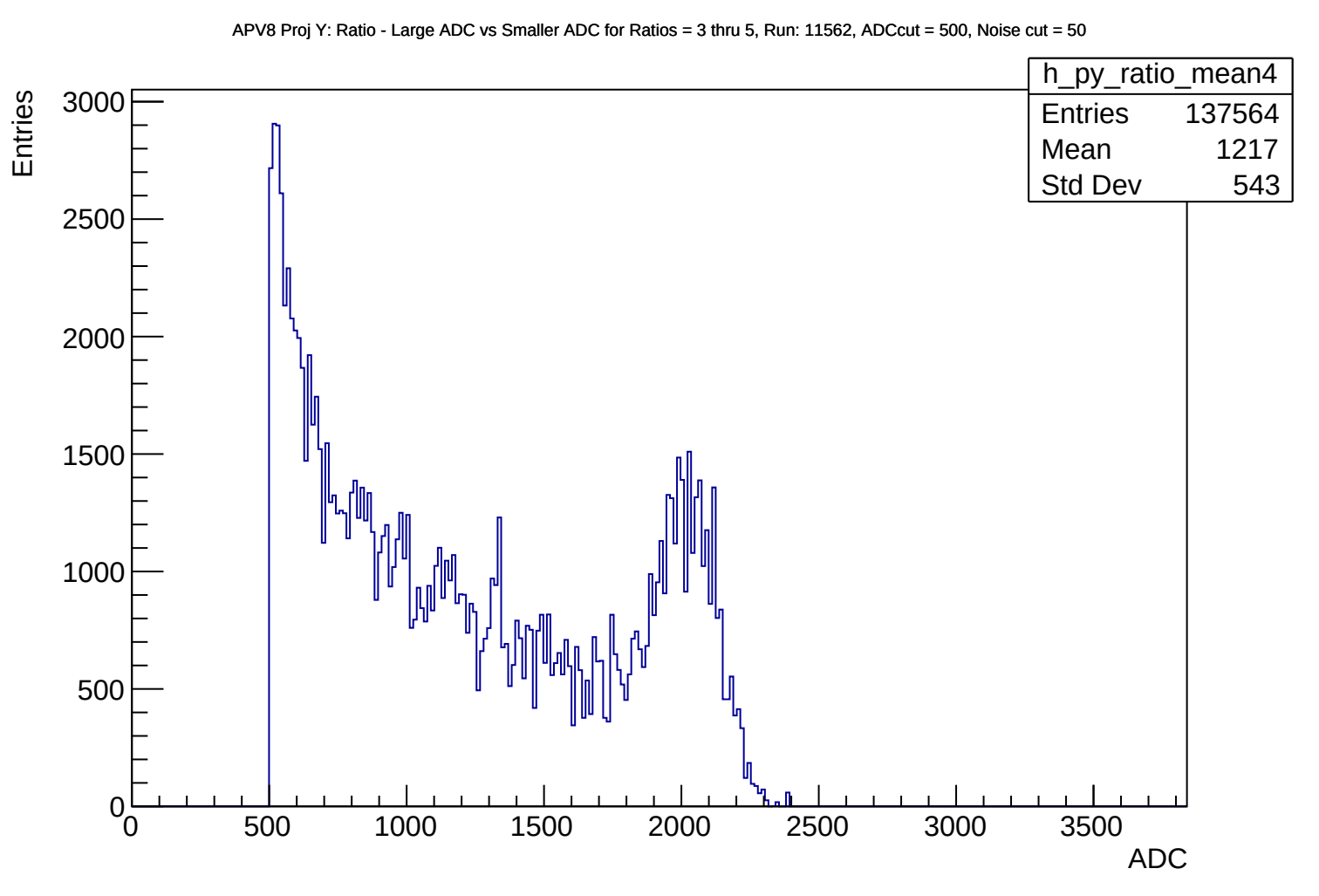

APV7 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 404221
Mean 1588
Std Dev 275
Entries
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

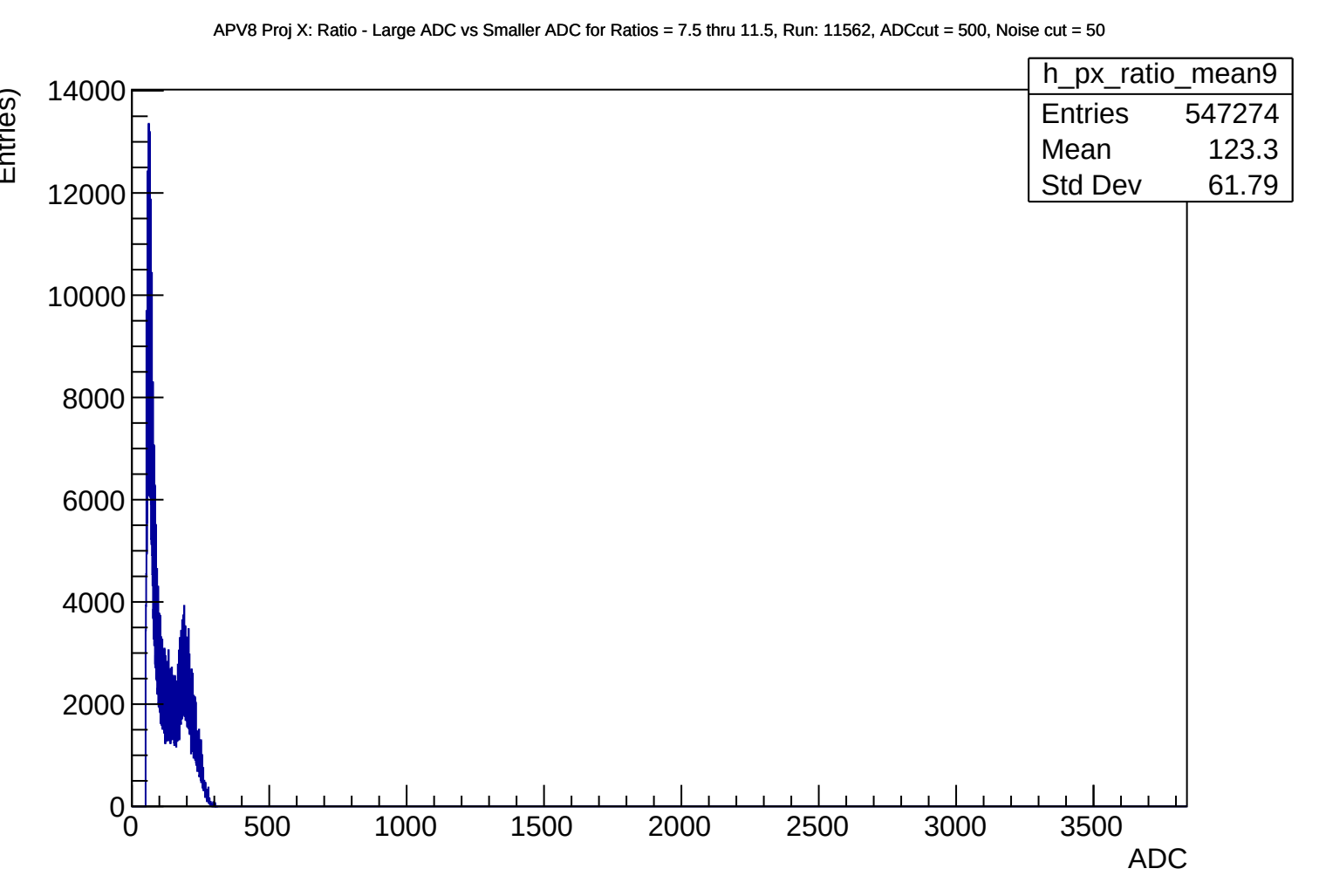

APV8 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV8_ratio_source_mean4_ADCmax_chan_U
Entries 137564
Mean x 315.4
Mean y 1217
Std Dev x 151.1
Std Dev y 543
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
20
40
60
80
100
120

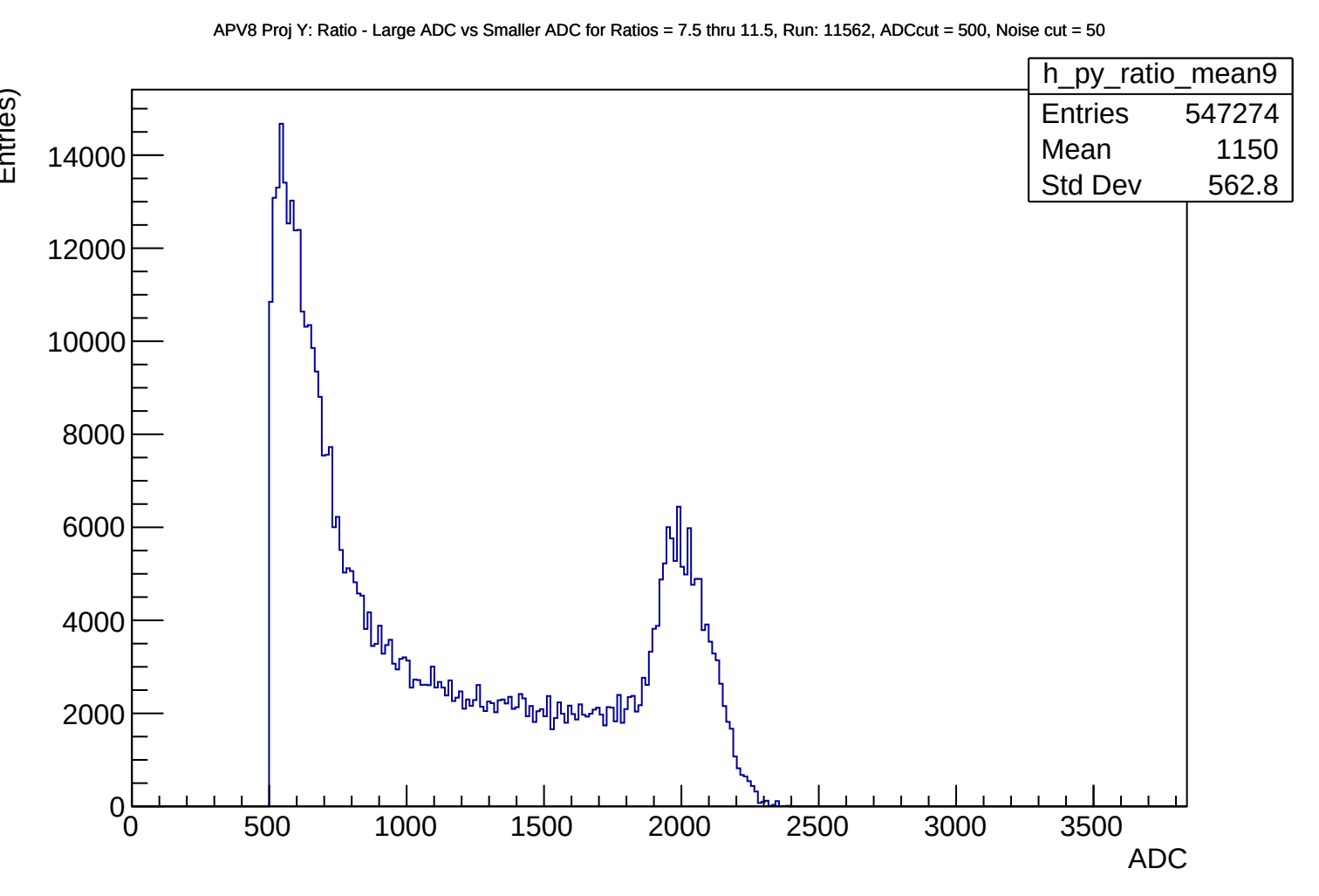

APV8 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV8_ratio_source_mean9_ADCmax_chan_U
Entries 547274
Mean x 123.3
Mean y 1150
Std Dev x 61.79
Std Dev y 562.8
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1000


APV8 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV8_ratio_source_upper_ratios_ADCmax_chan_U
Entries 591219
Mean x 65.52
Mean y 1702
Std Dev x 14.42
Std Dev y 357.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600

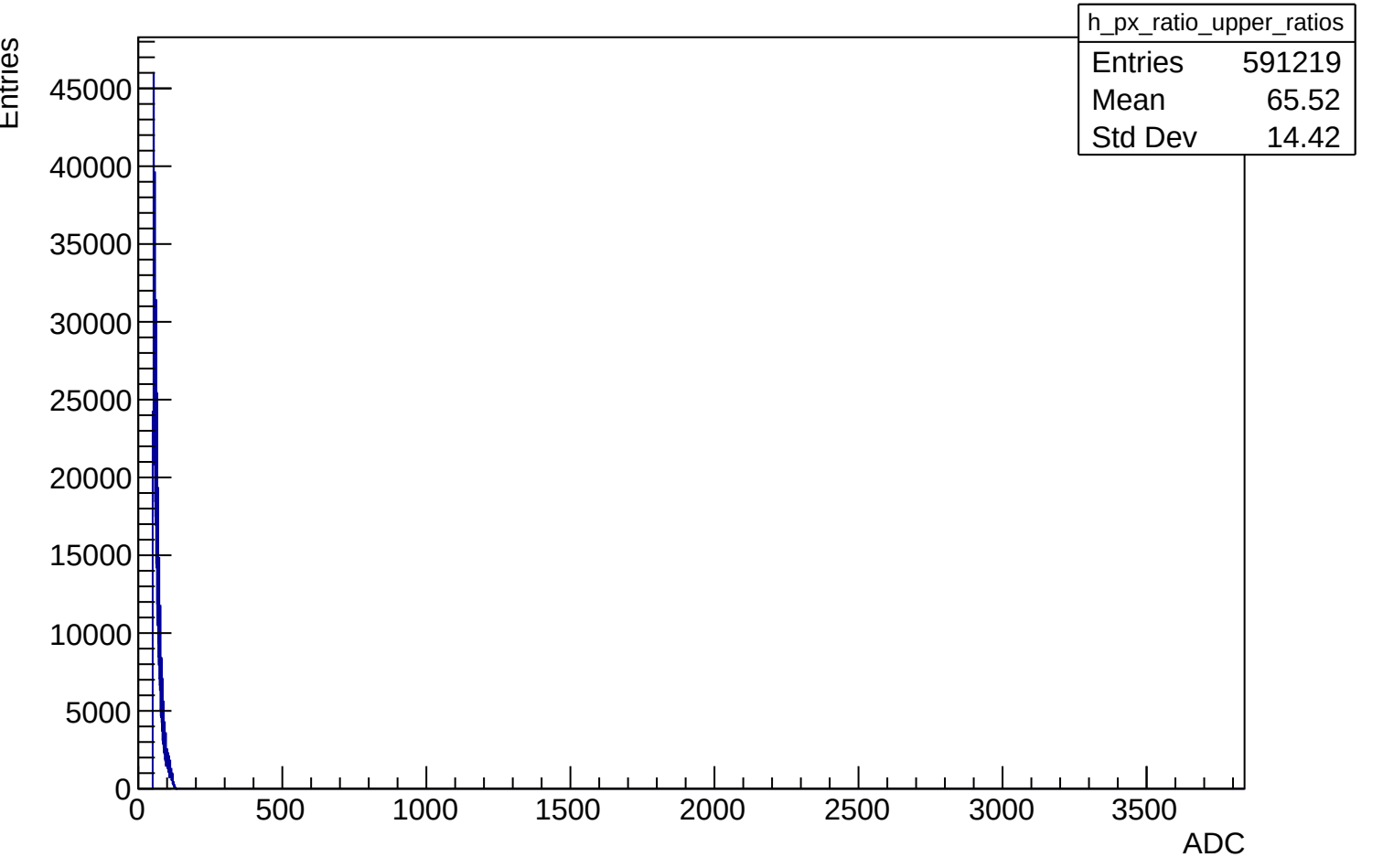

APV8 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 137564
Mean 315.4
Std Dev 151.1
Entries
0
100
200
300
400
500
600
700
800
900
0
500
1000
1500
2000
2500
3000
3500
ADC

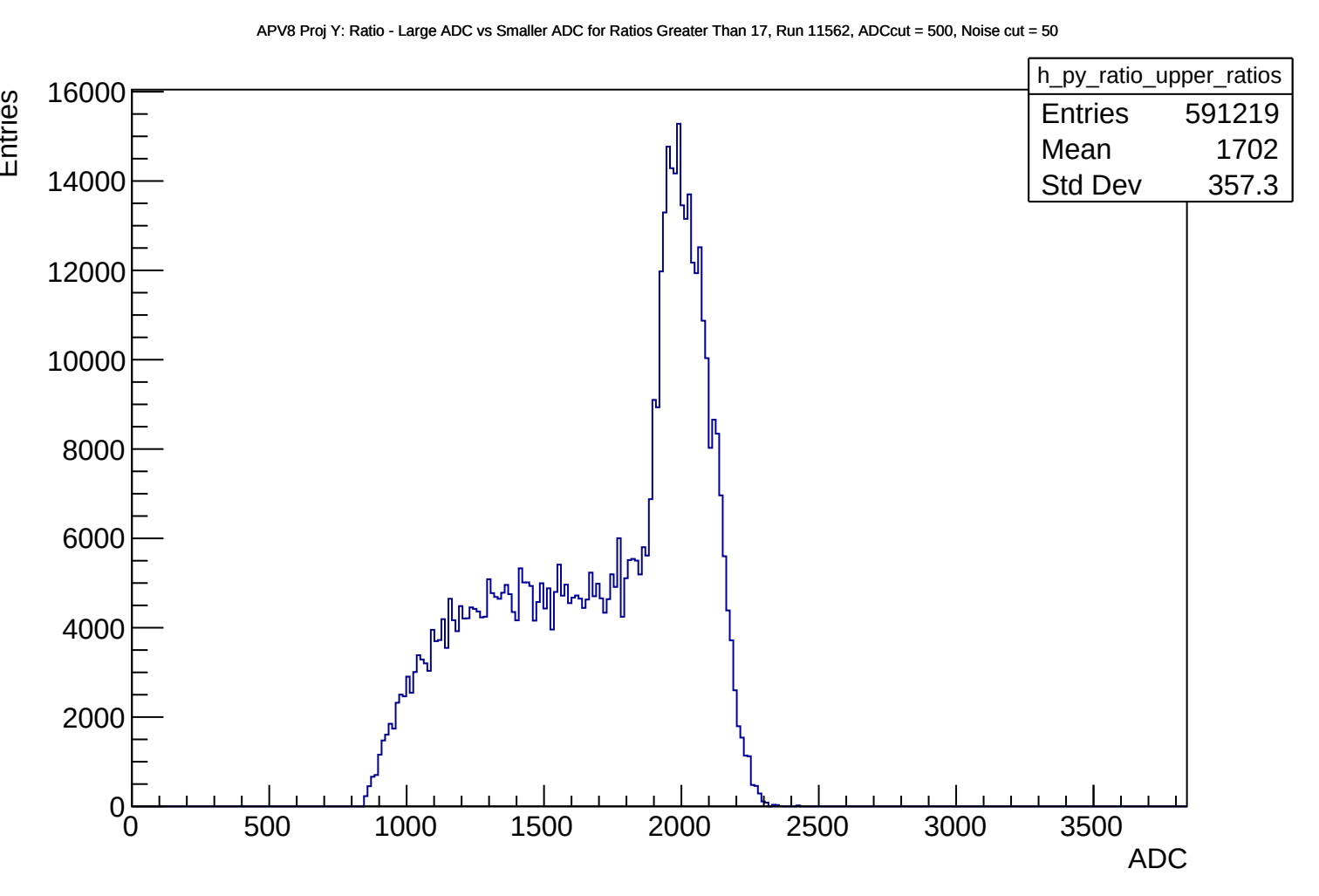

APV8 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 137564
Mean 1217
Std Dev 543
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500

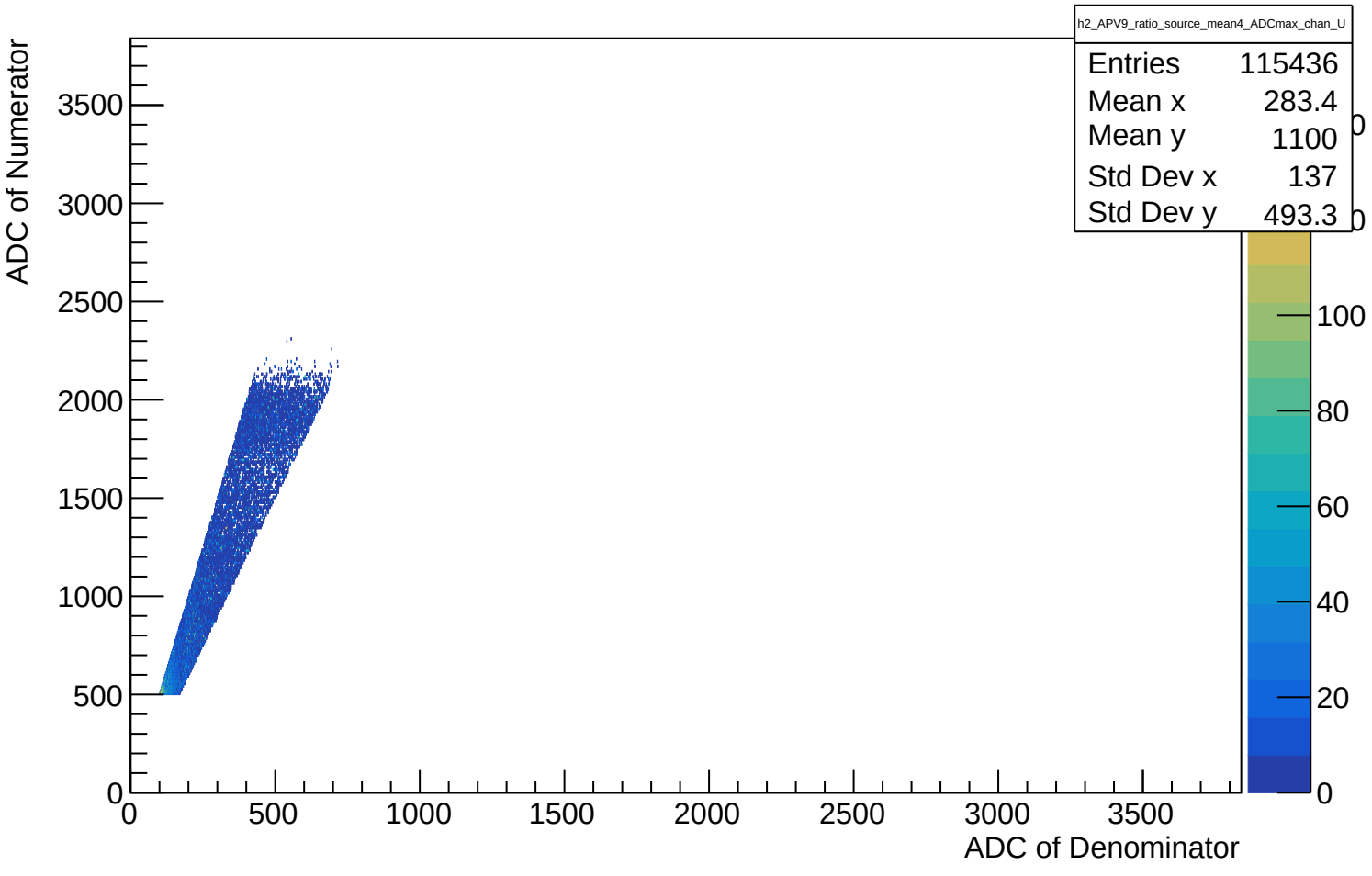

APV8 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 547274
Mean 123.3
Std Dev 61.79
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

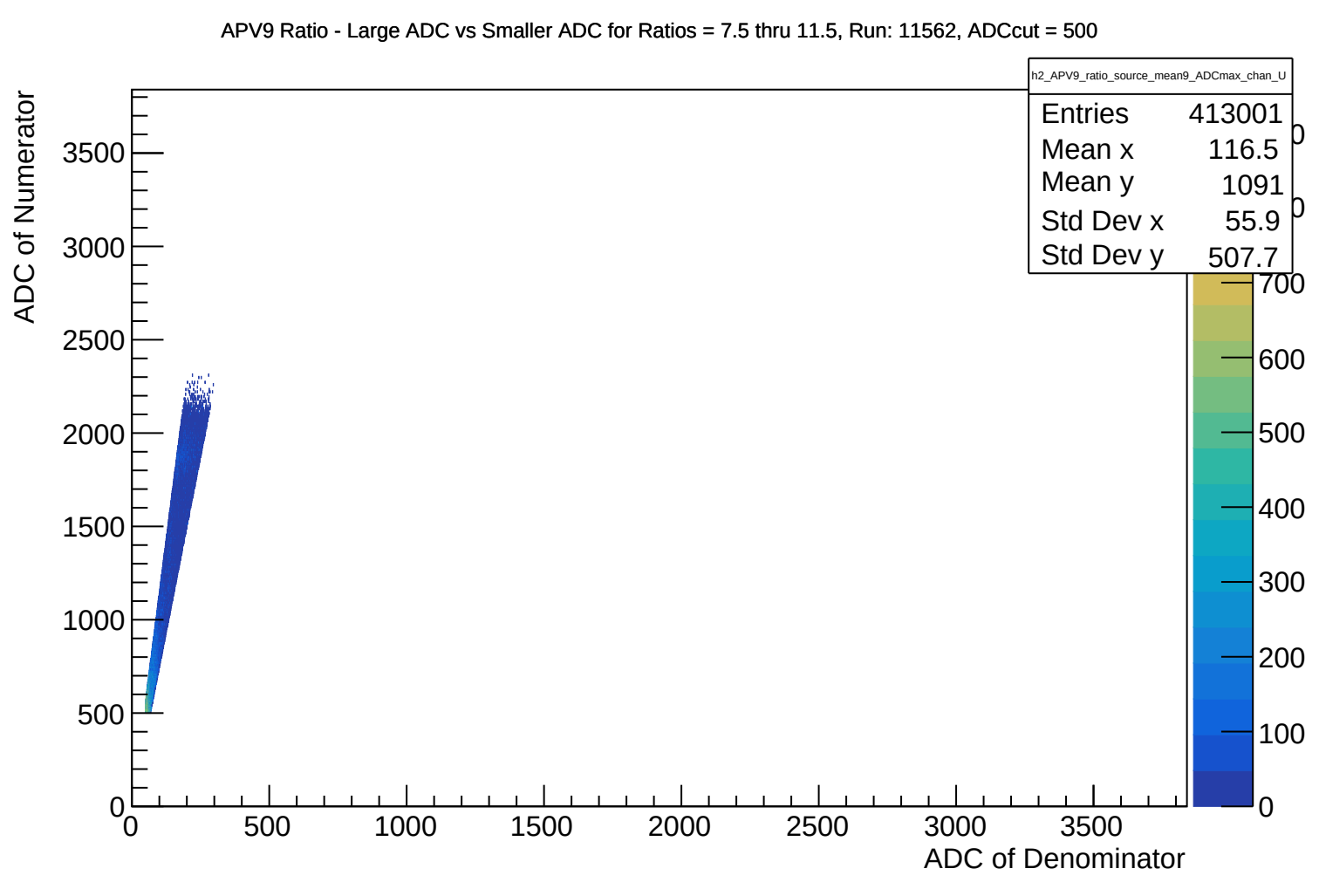

APV8 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 547274
Mean 1150
Std Dev 562.8
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

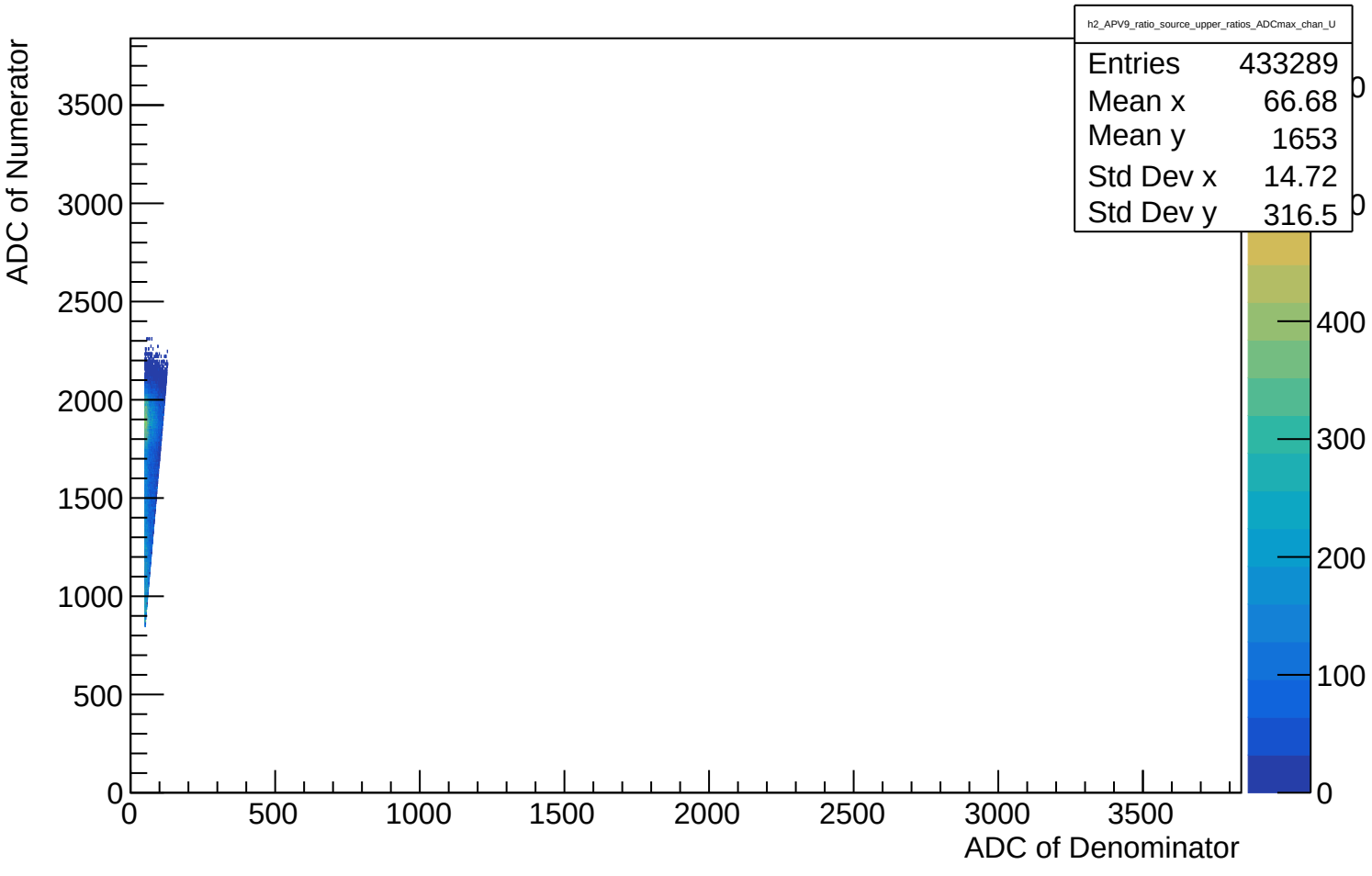
APV8 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

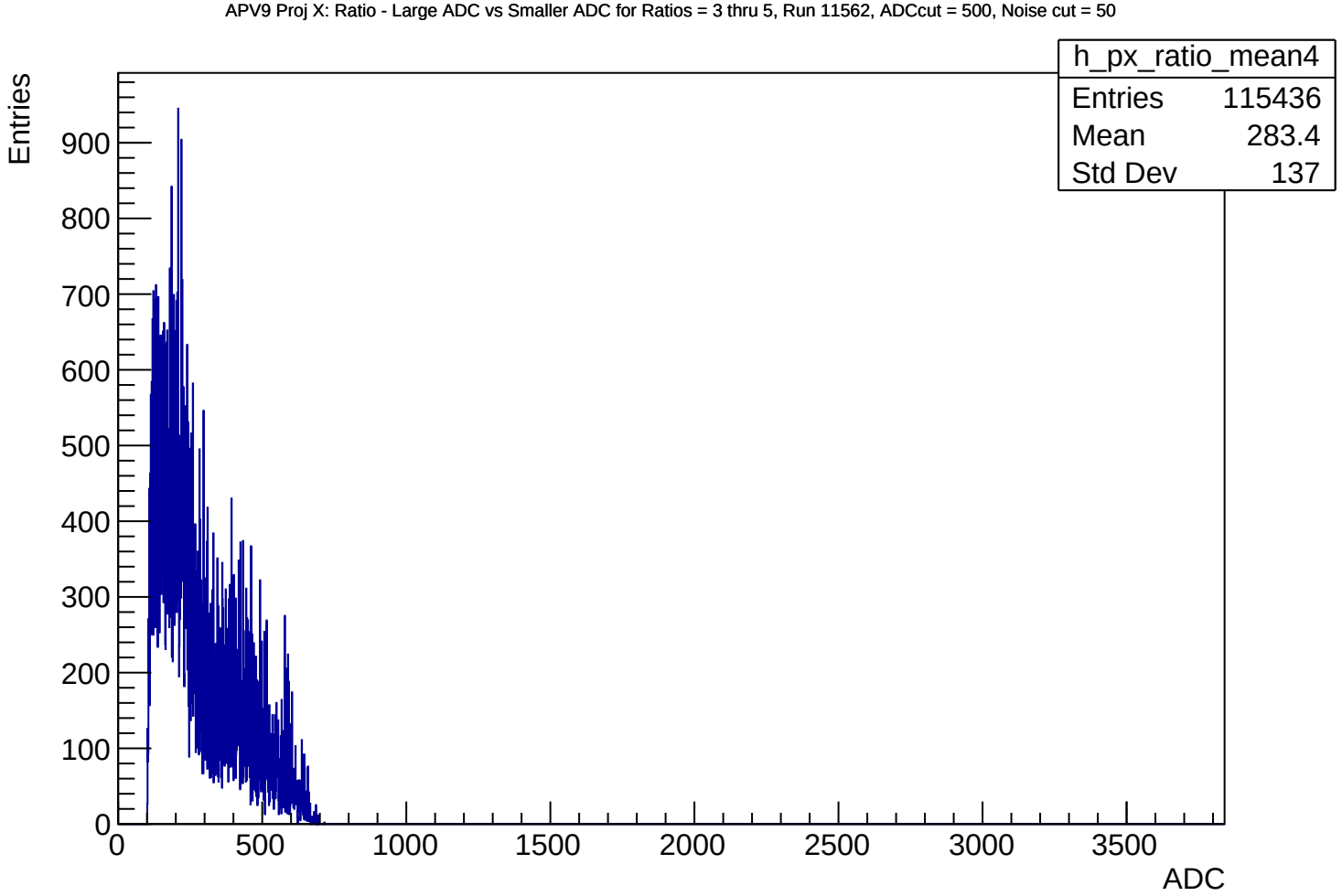


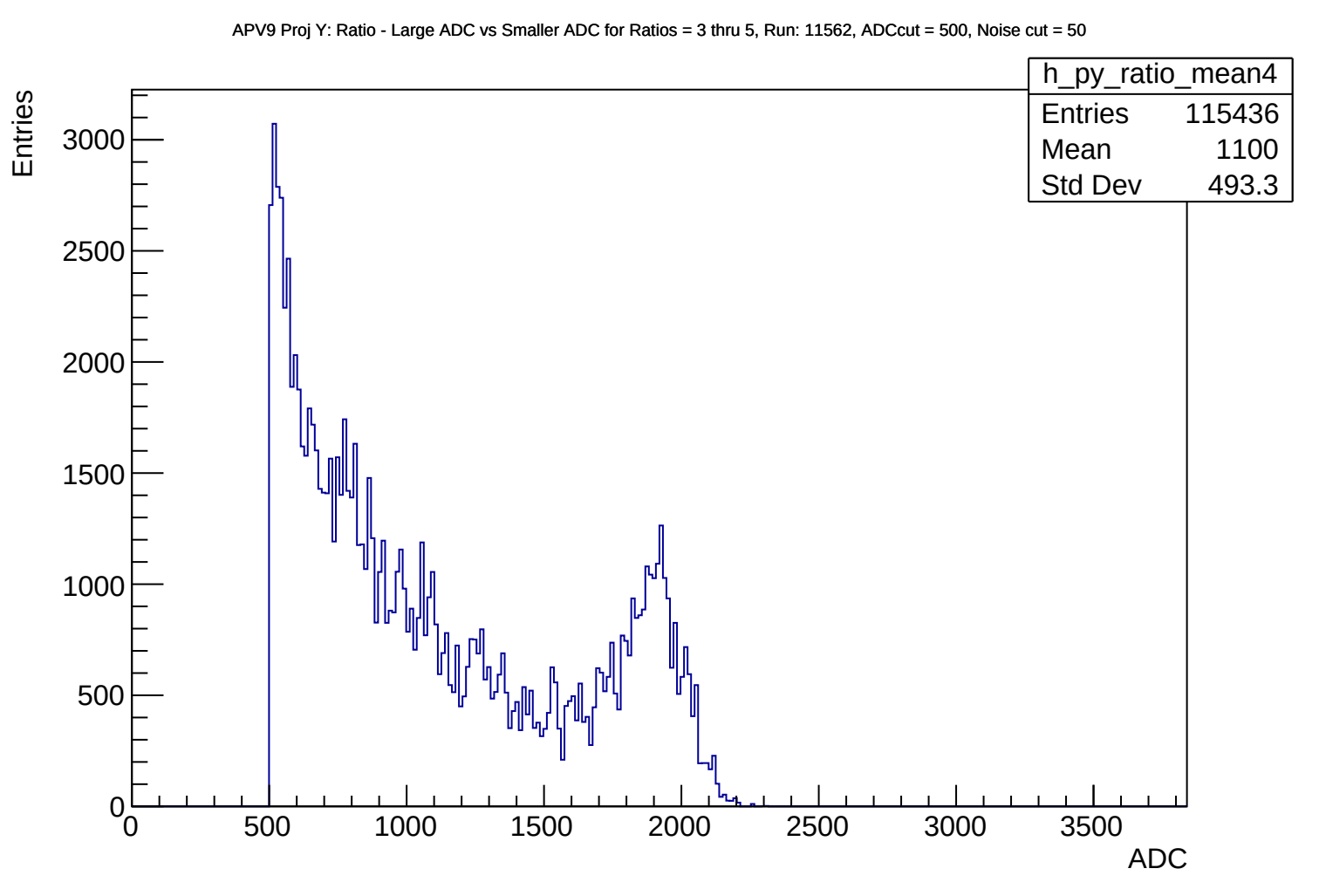

APV8 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 591219
Mean 1702
Std Dev 357.3
Entries
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

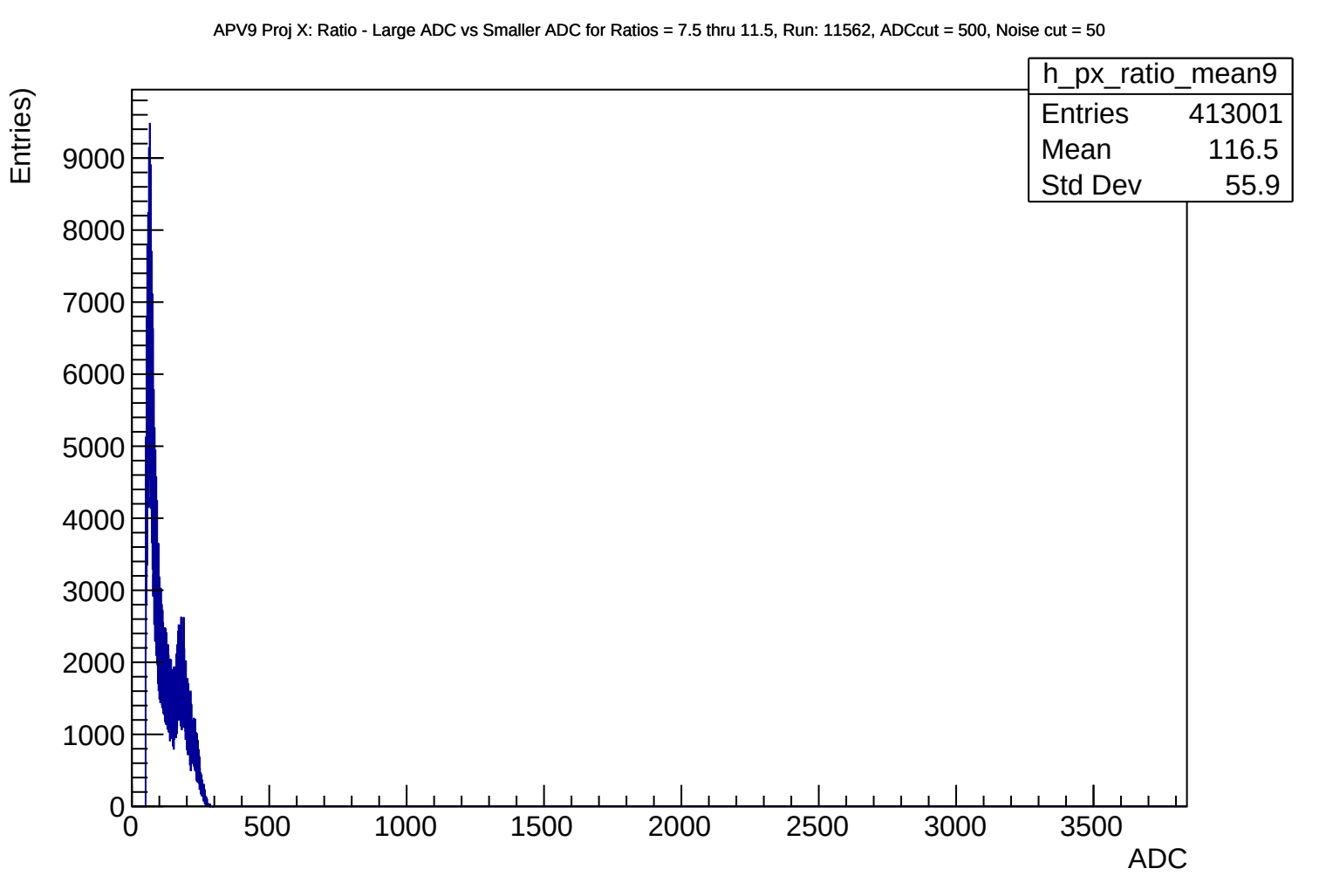

APV9 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV9_ratio_source_mean4_ADCmax_chan_U
Entries 115436
Mean x 283.4
Mean y 1100
Std Dev x 137
Std Dev y 493.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100

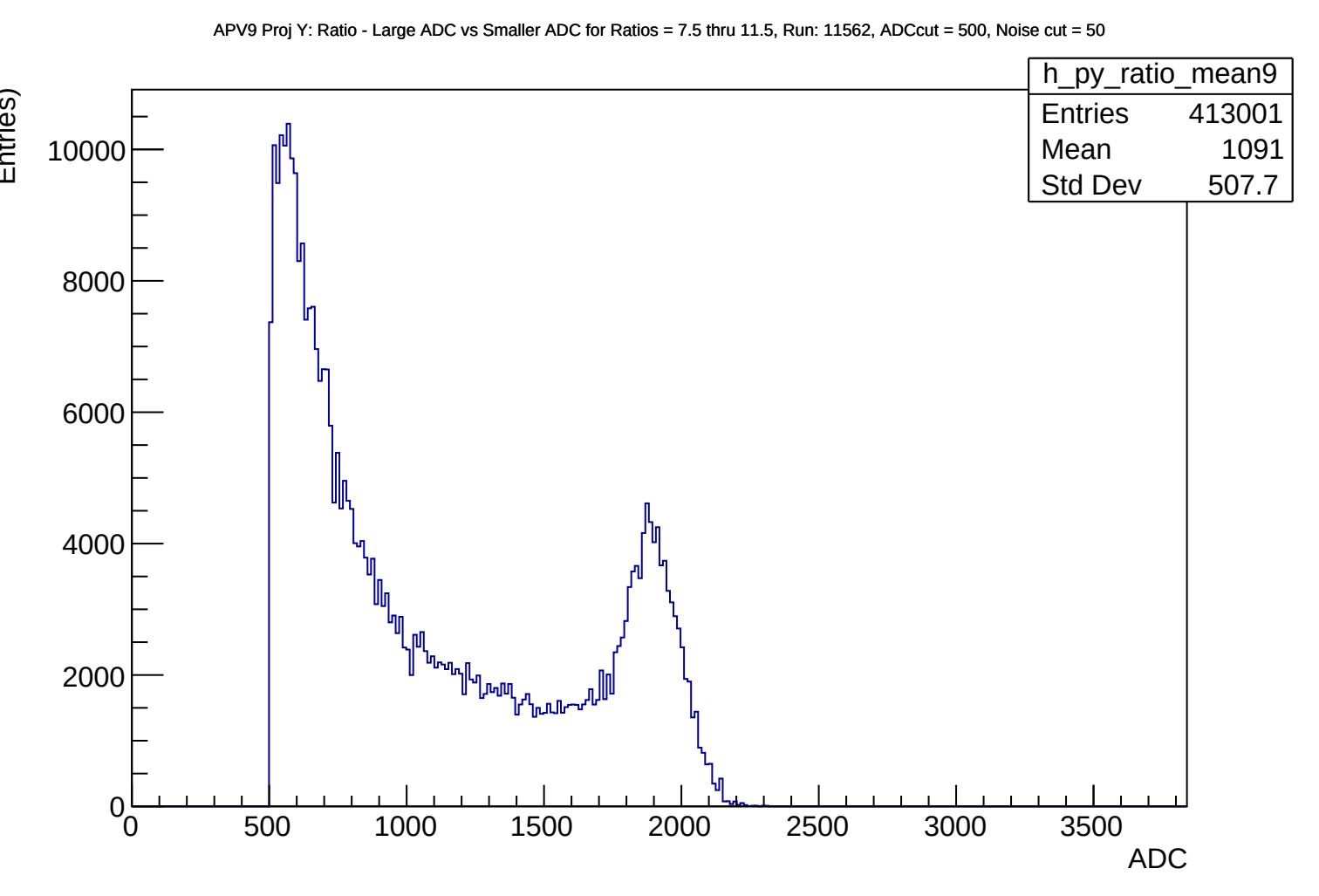

APV9 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV9_ratio_source_mean9_ADCmax_chan_U
Entries 413001
Mean x 116.5
Mean y 1091
Std Dev x 55.9
Std Dev y 507.7
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600
700


APV9 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV9_ratio_source_upper_ratios_ADCmax_chan_U
Entries 433289
Mean x 66.68
Mean y 1653
Std Dev x 14.72
Std Dev y 316.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

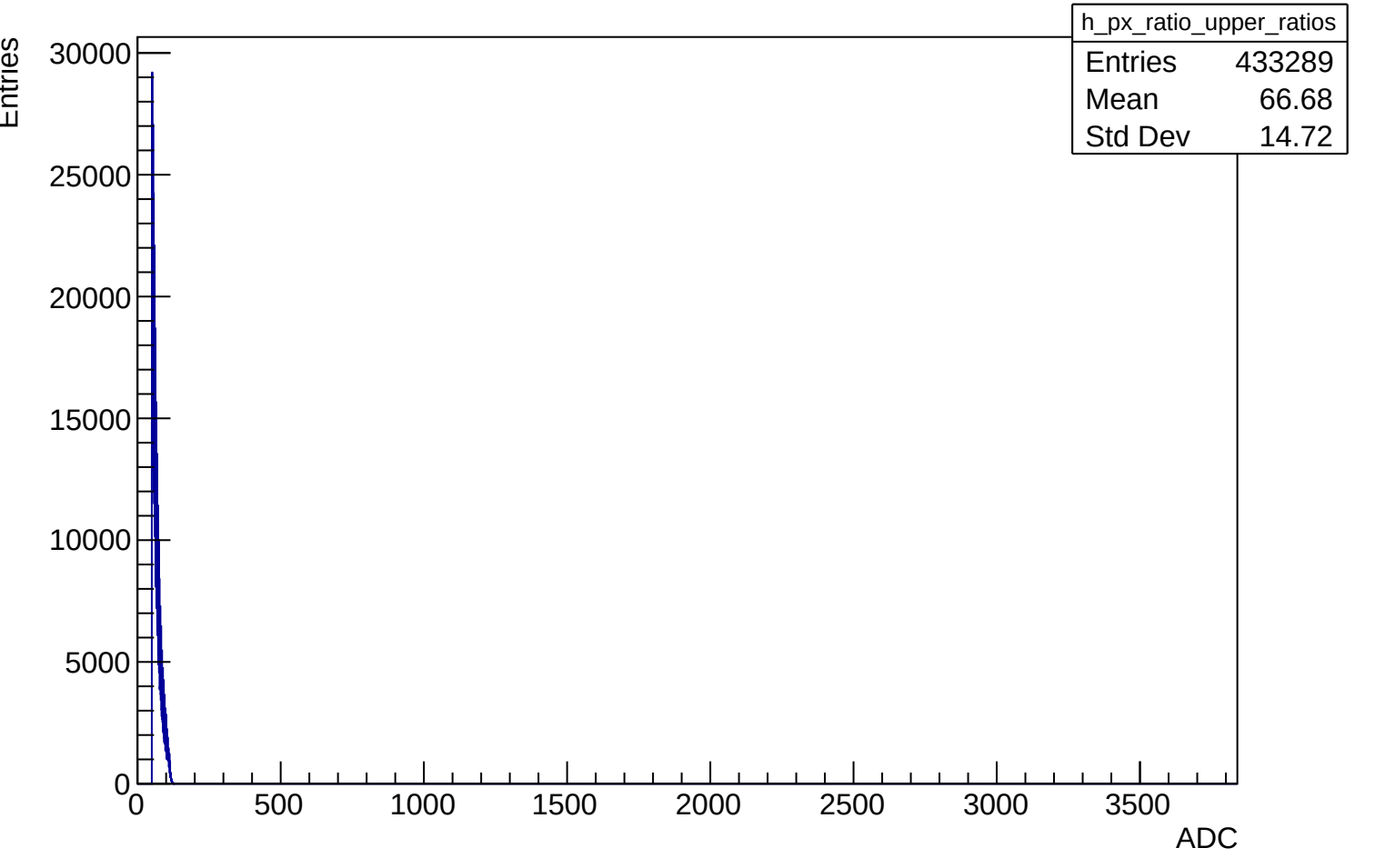

APV9 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 115436
Mean 283.4
Std Dev 137
Entries
0
100
200
300
400
500
600
700
800
900
0
500
1000
1500
2000
2500
3000
3500
ADC

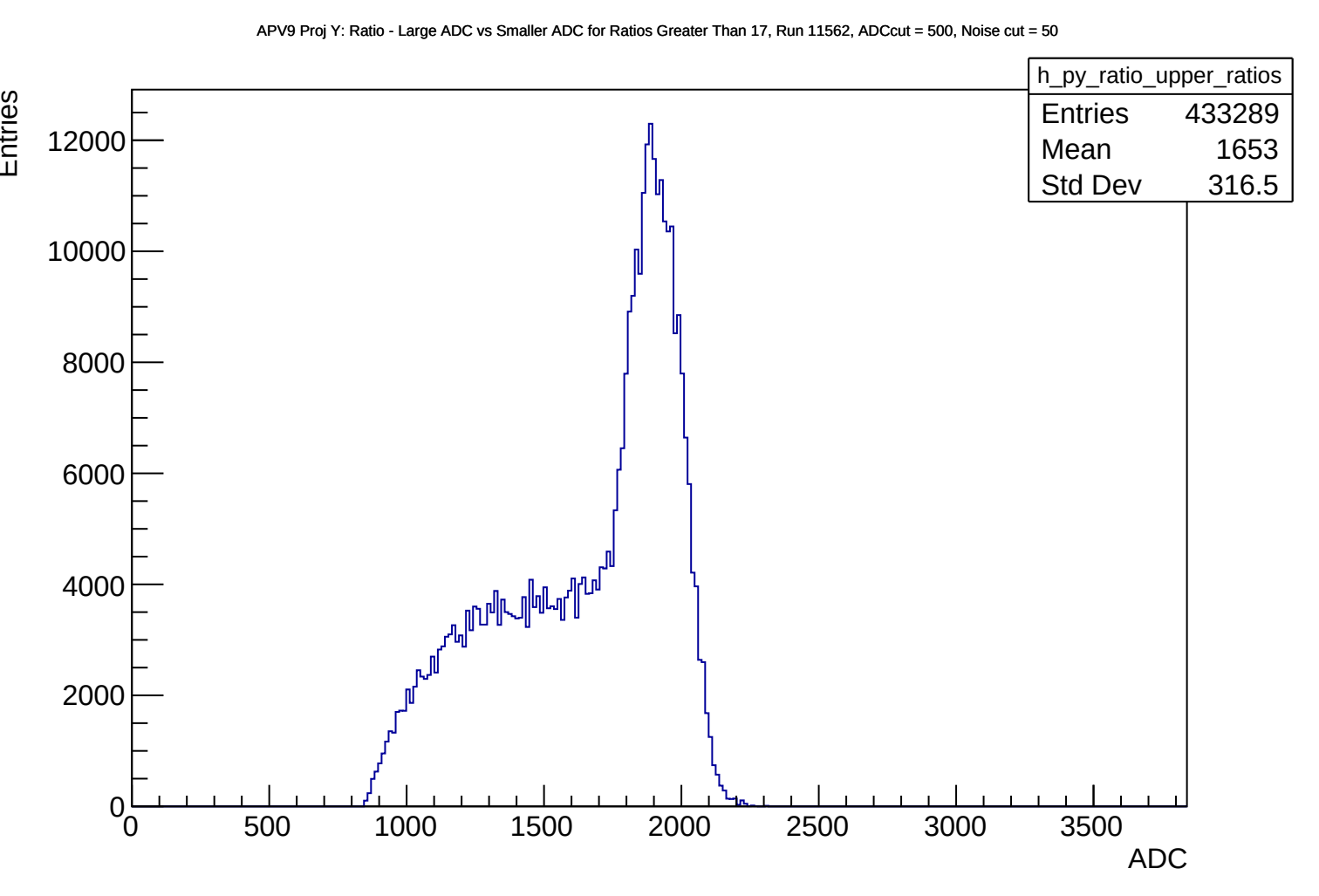

APV9 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 115436
Mean 1100
Std Dev 493.3
Entries
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

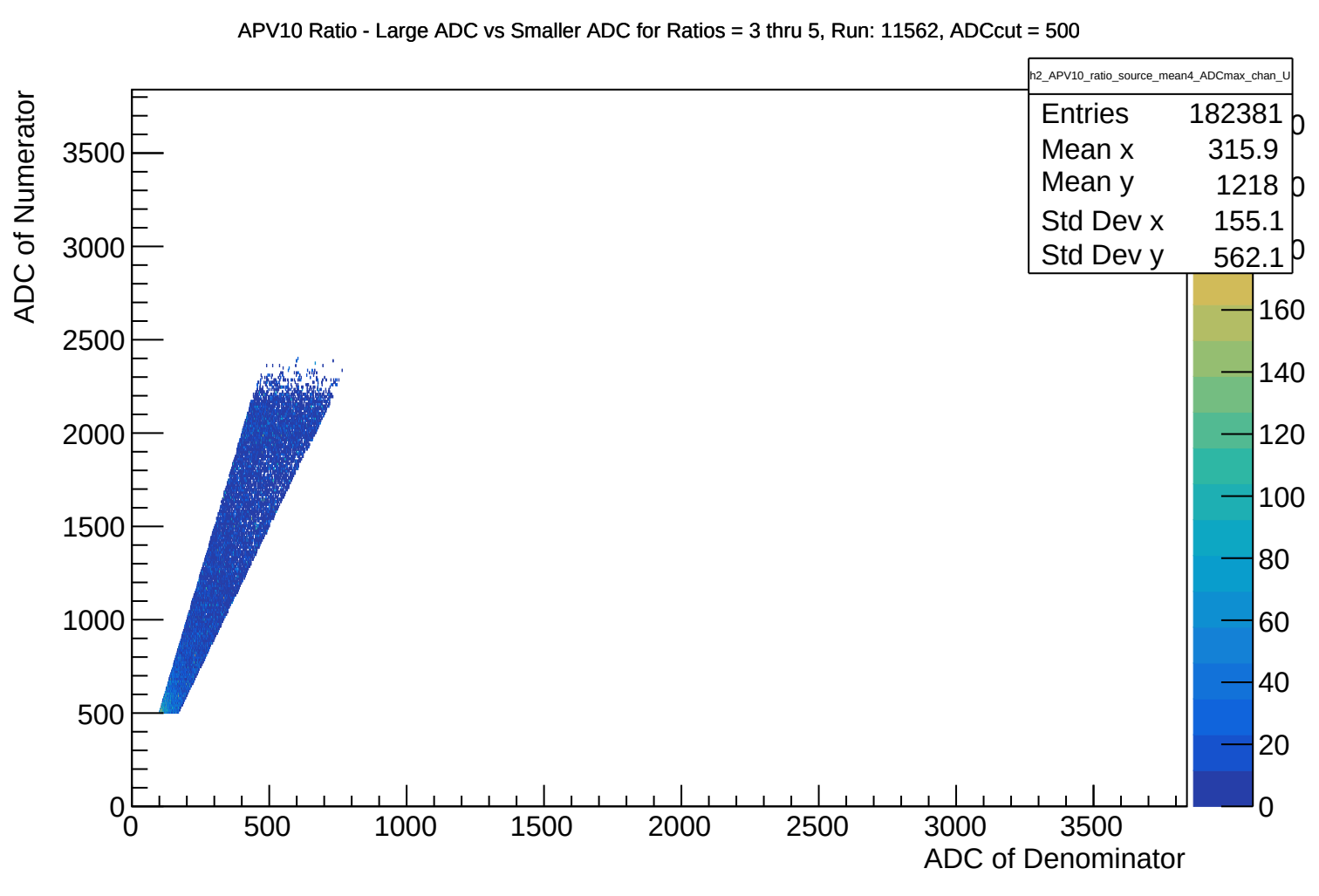

APV9 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 413001
Mean 116.5
Std Dev 55.9
Entries)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

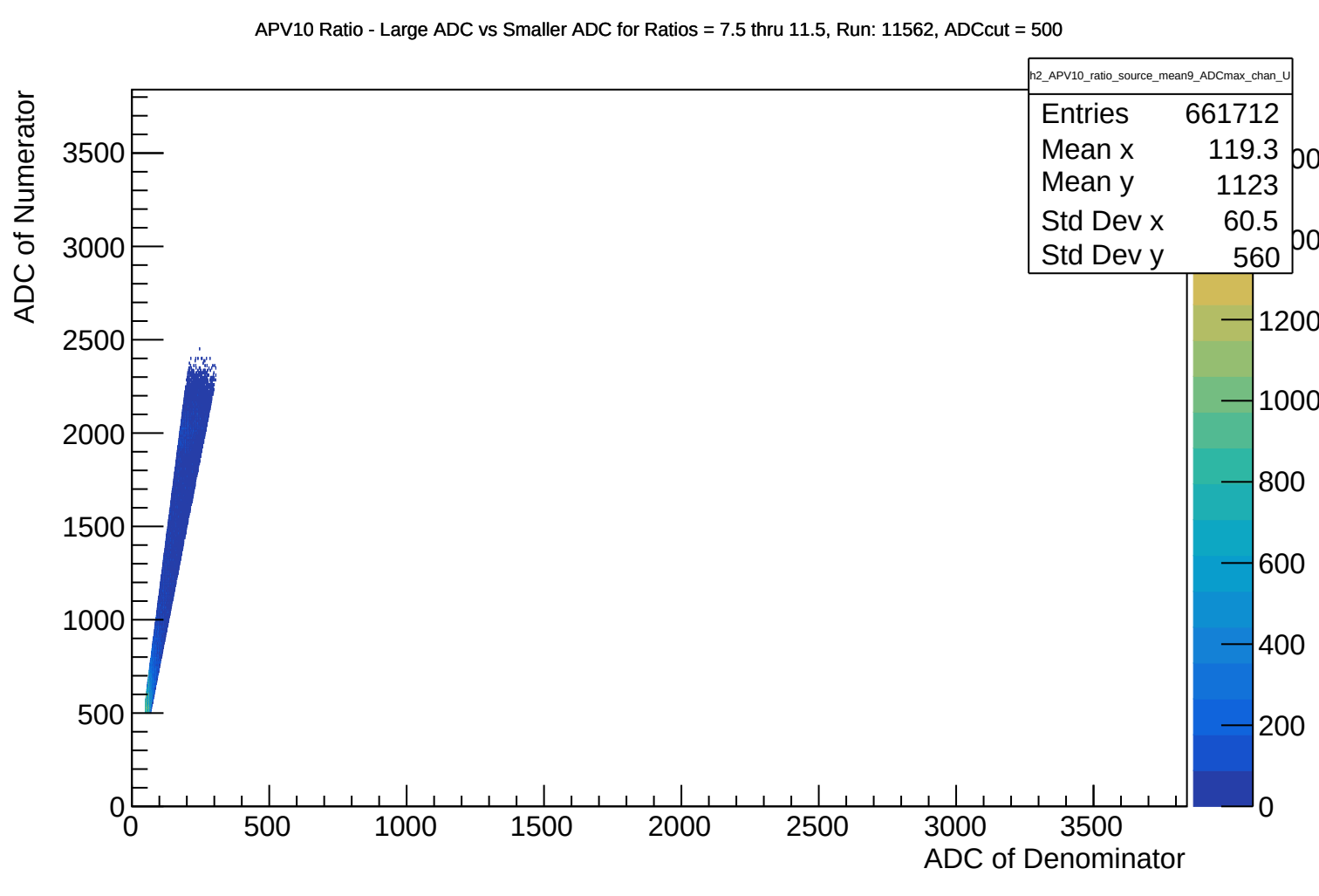

APV9 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 413001
Mean 1091
Std Dev 507.7
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

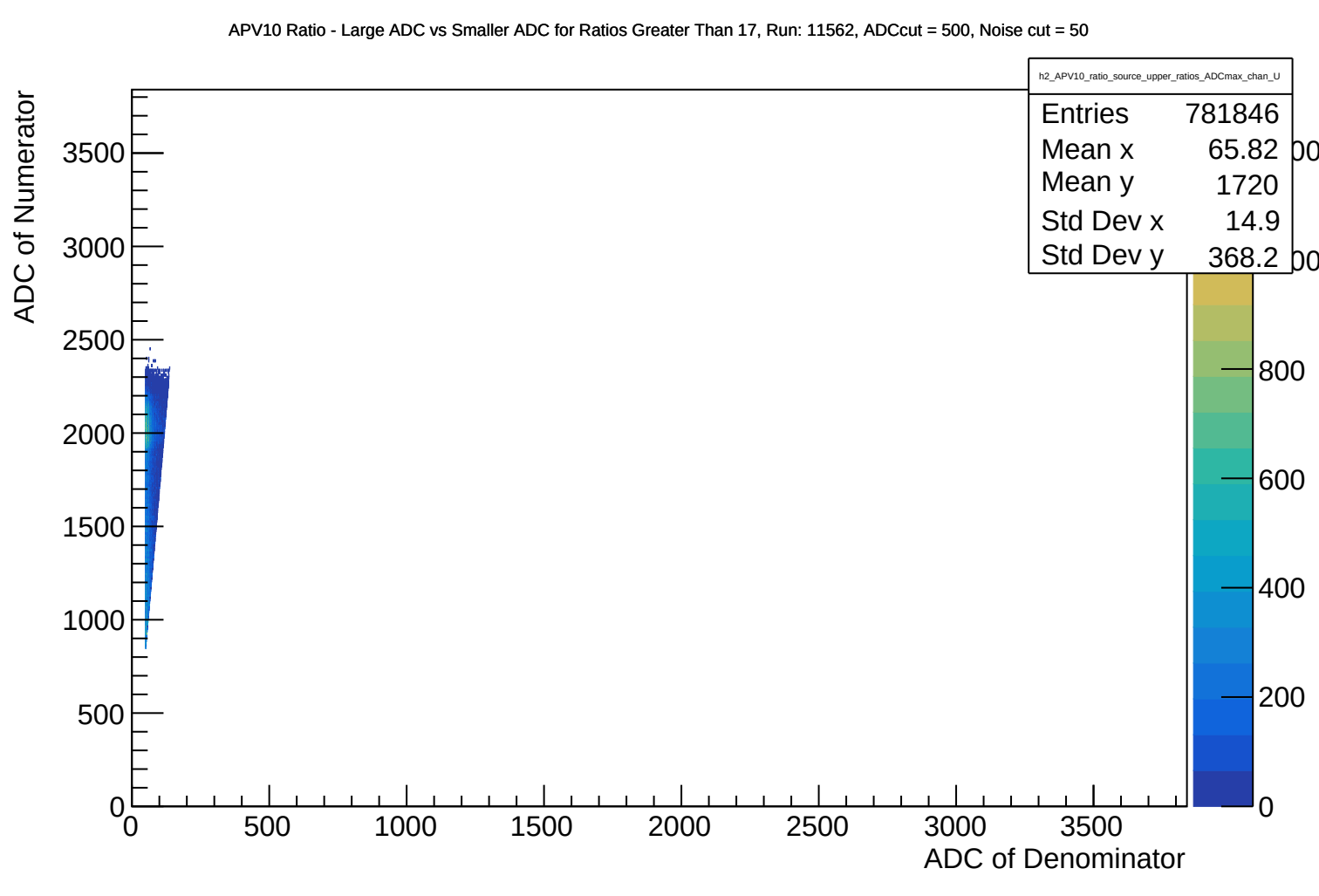
APV9 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

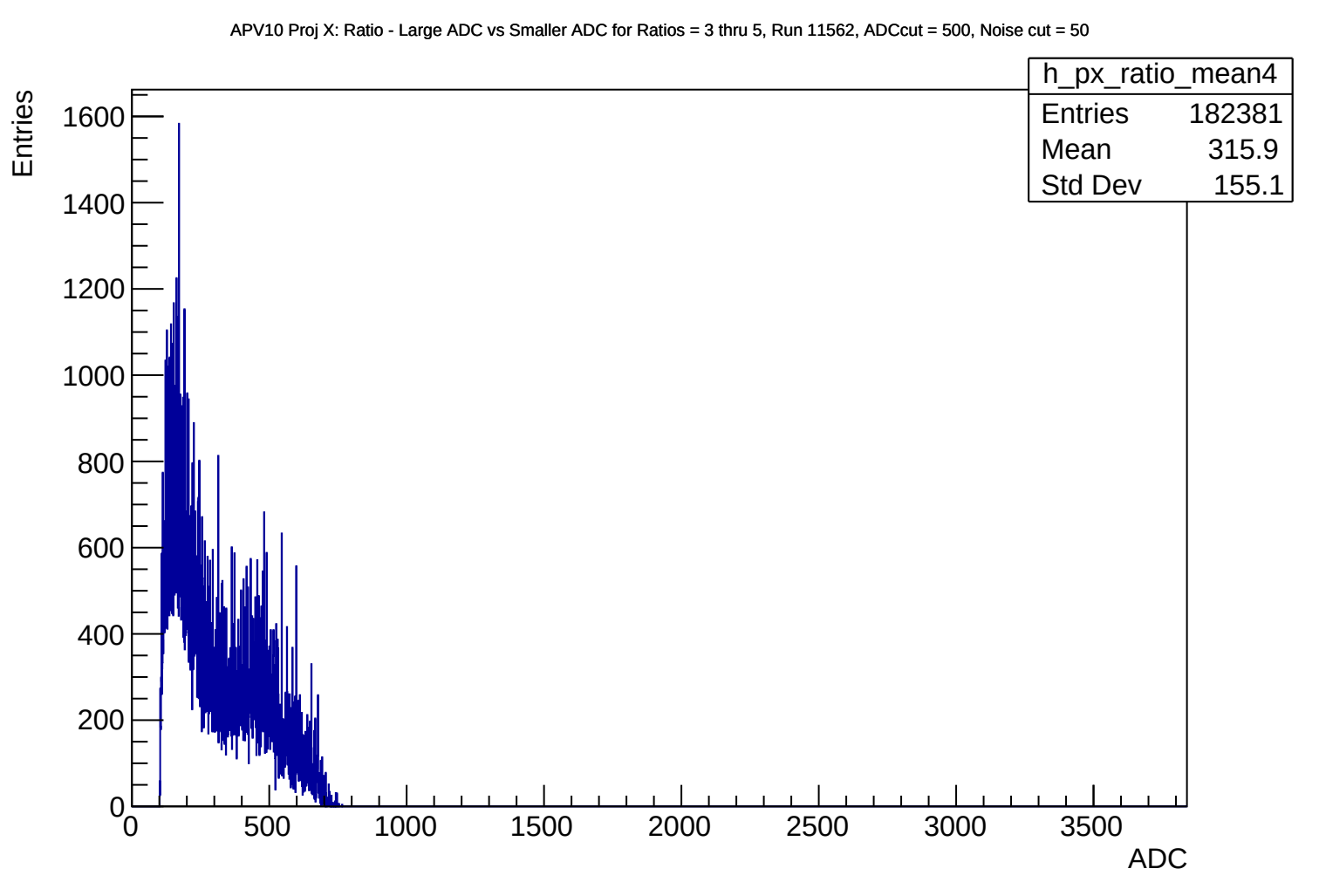


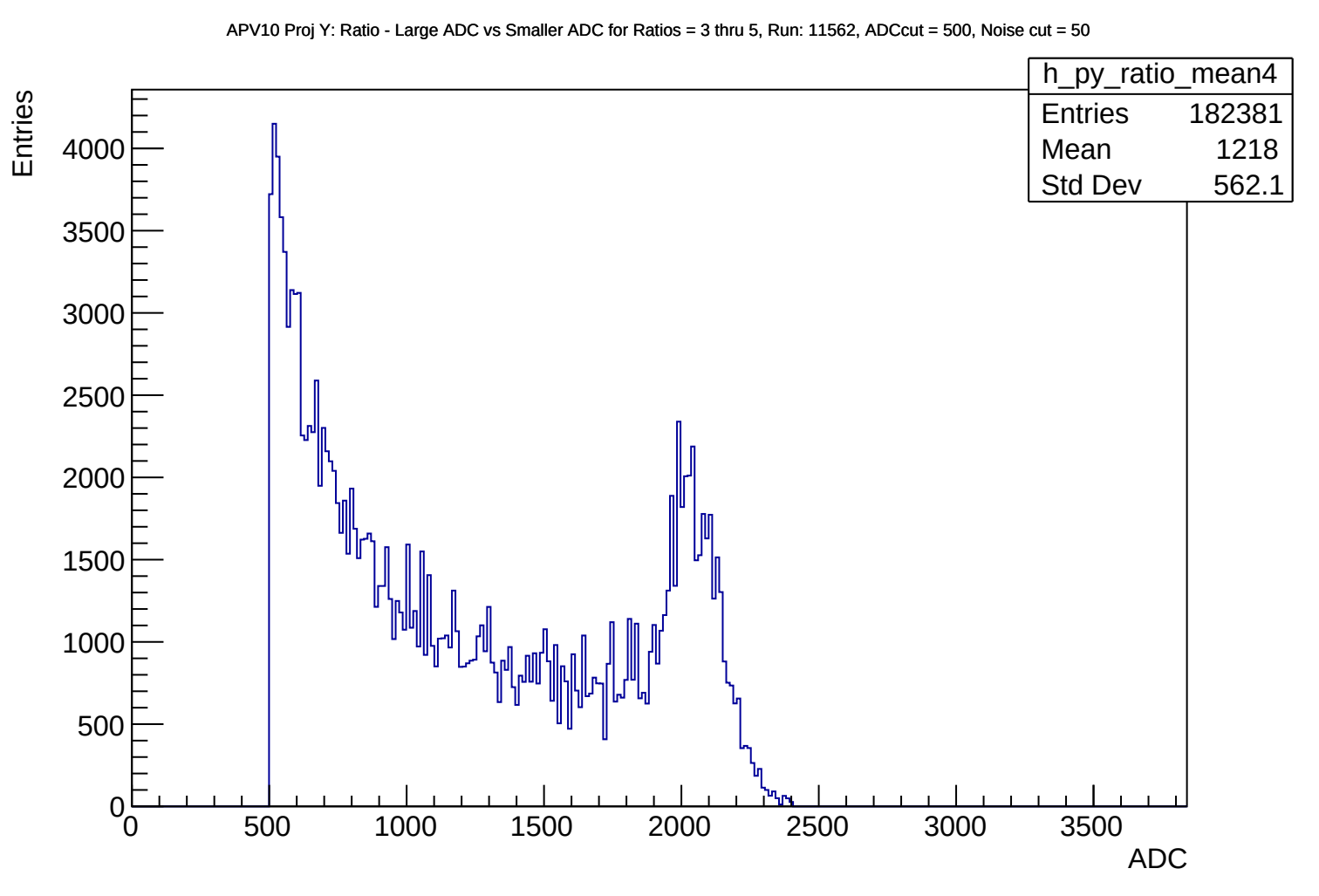

APV9 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 433289
Mean 1653
Std Dev 316.5
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

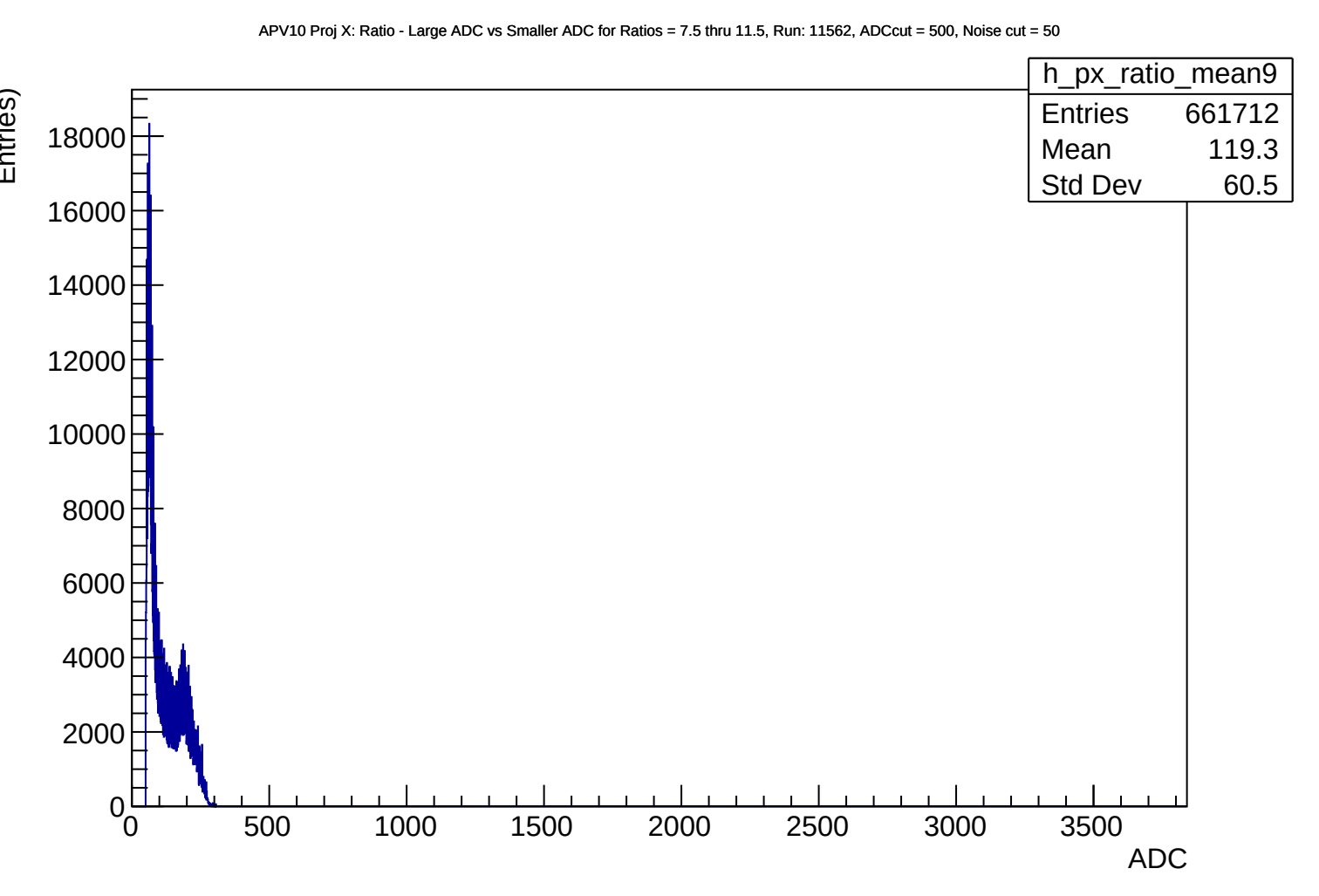

APV10 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV10_ratio_source_mean4_ADCmax_chan_U
Entries 182381
Mean x 315.9
Mean y 1218
Std Dev x 155.1
Std Dev y 562.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140
160

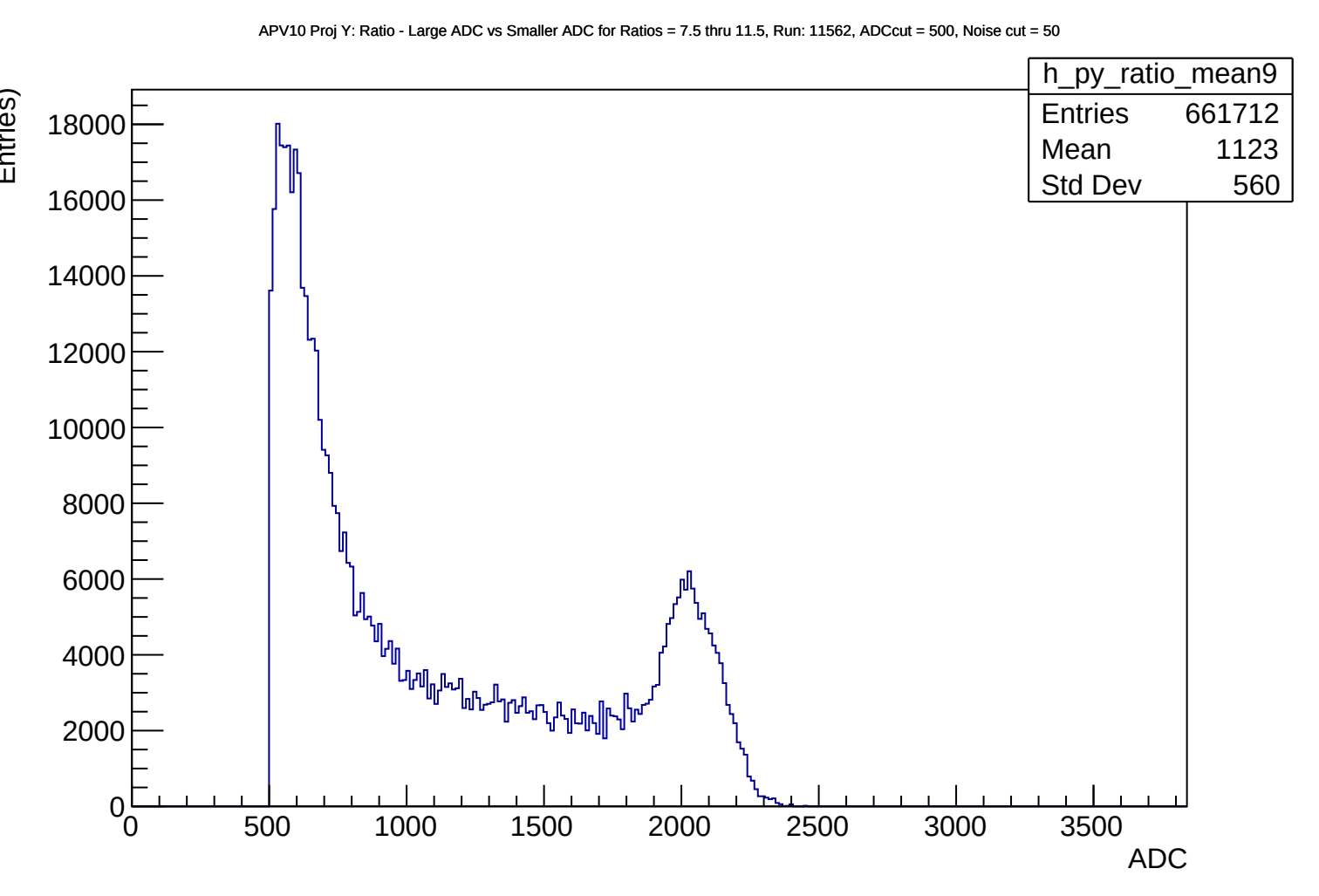

APV10 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV10_ratio_source_mean9_ADCmax_chan_U
Entries 661712
Mean x 119.3
Mean y 1123
Std Dev x 60.5
Std Dev y 560
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200

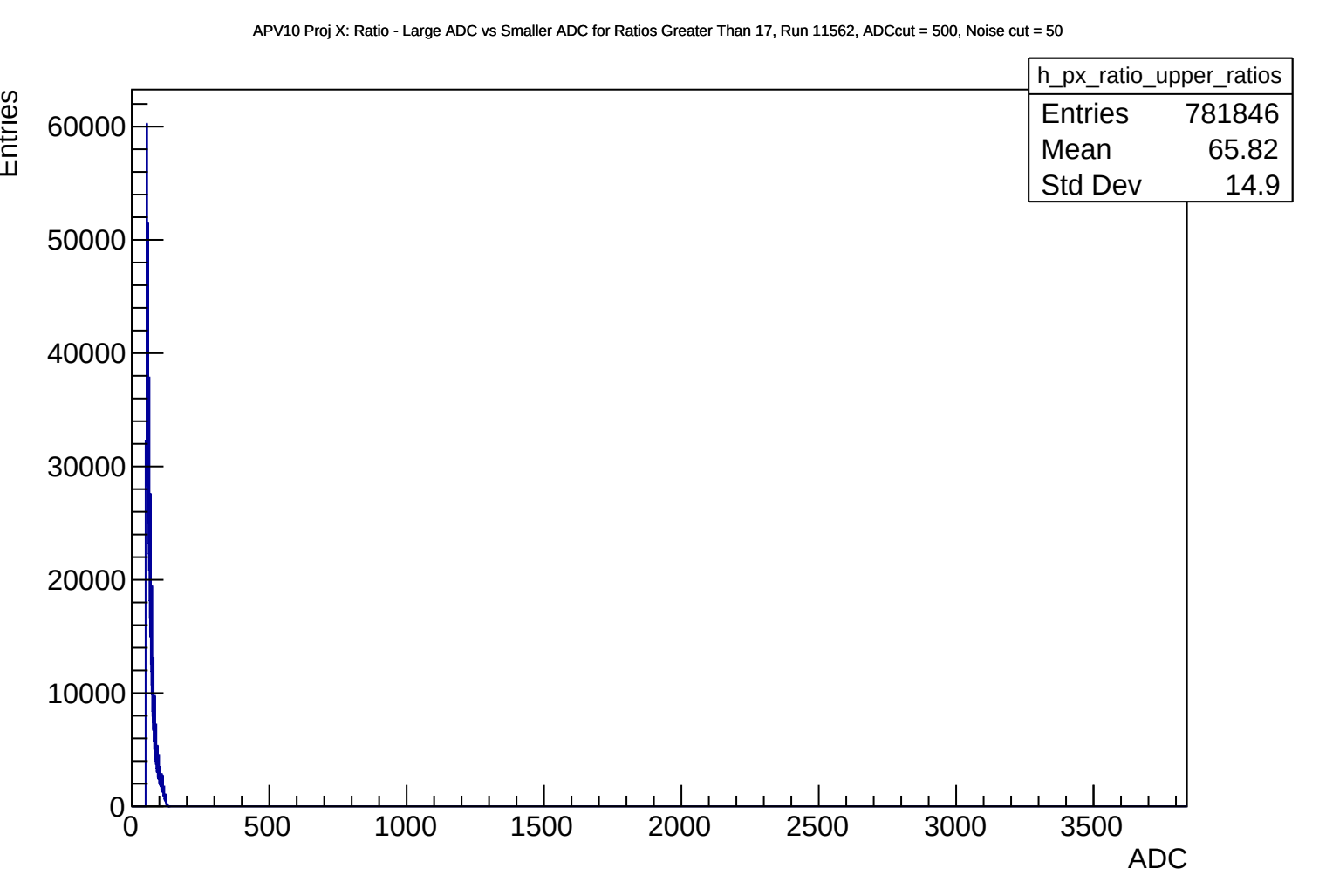

APV10 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV10_ratio_source_upper_ratios_ADCmax_chan_U
Entries 781846
Mean x 65.82
Mean y 1720
Std Dev x 14.9
Std Dev y 368.2
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800

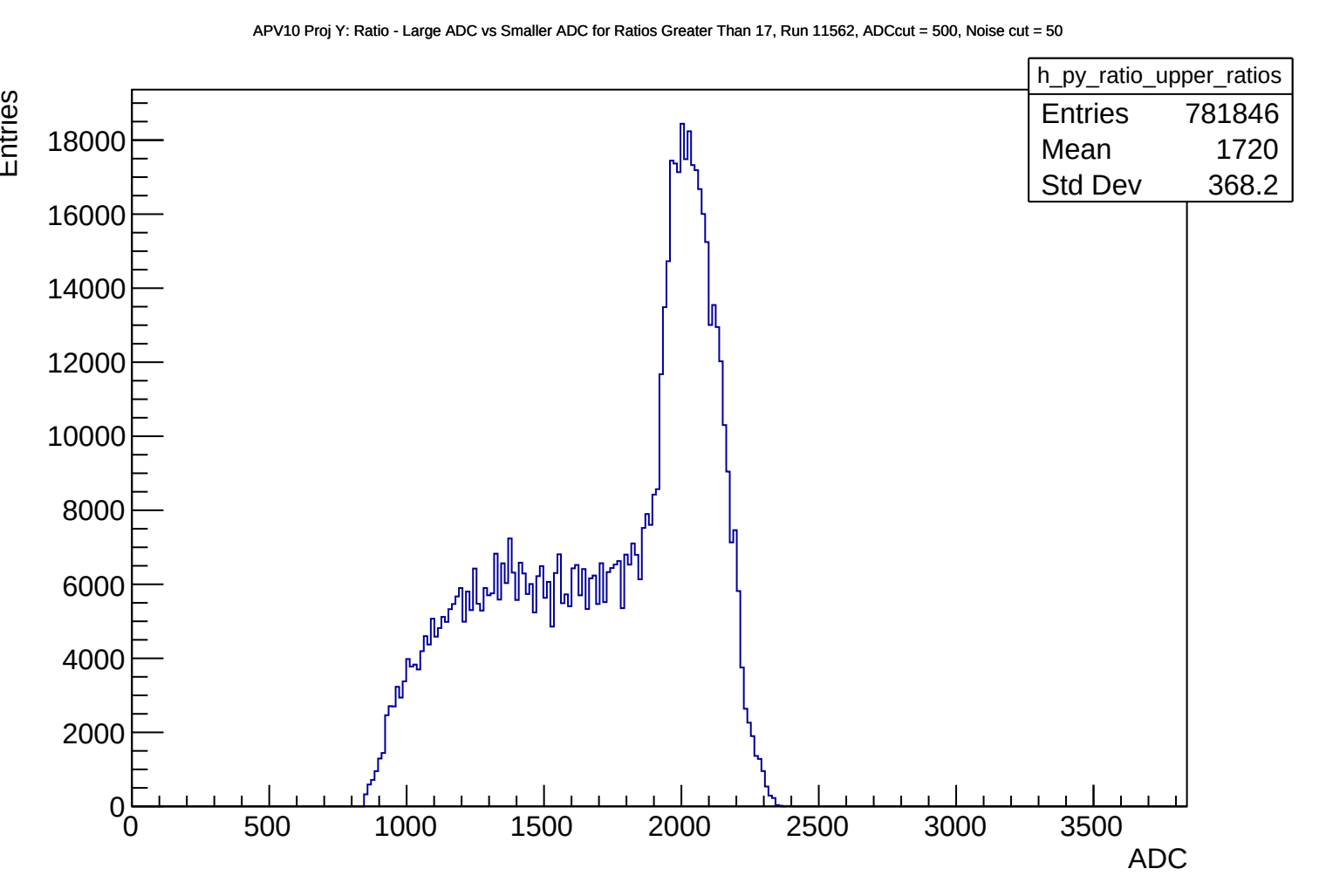

APV10 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 182381
Mean 315.9
Std Dev 155.1
Entries
0
200
400
600
800
1000
1200
1400
1600
0
500
1000
1500
2000
2500
3000
3500
ADC

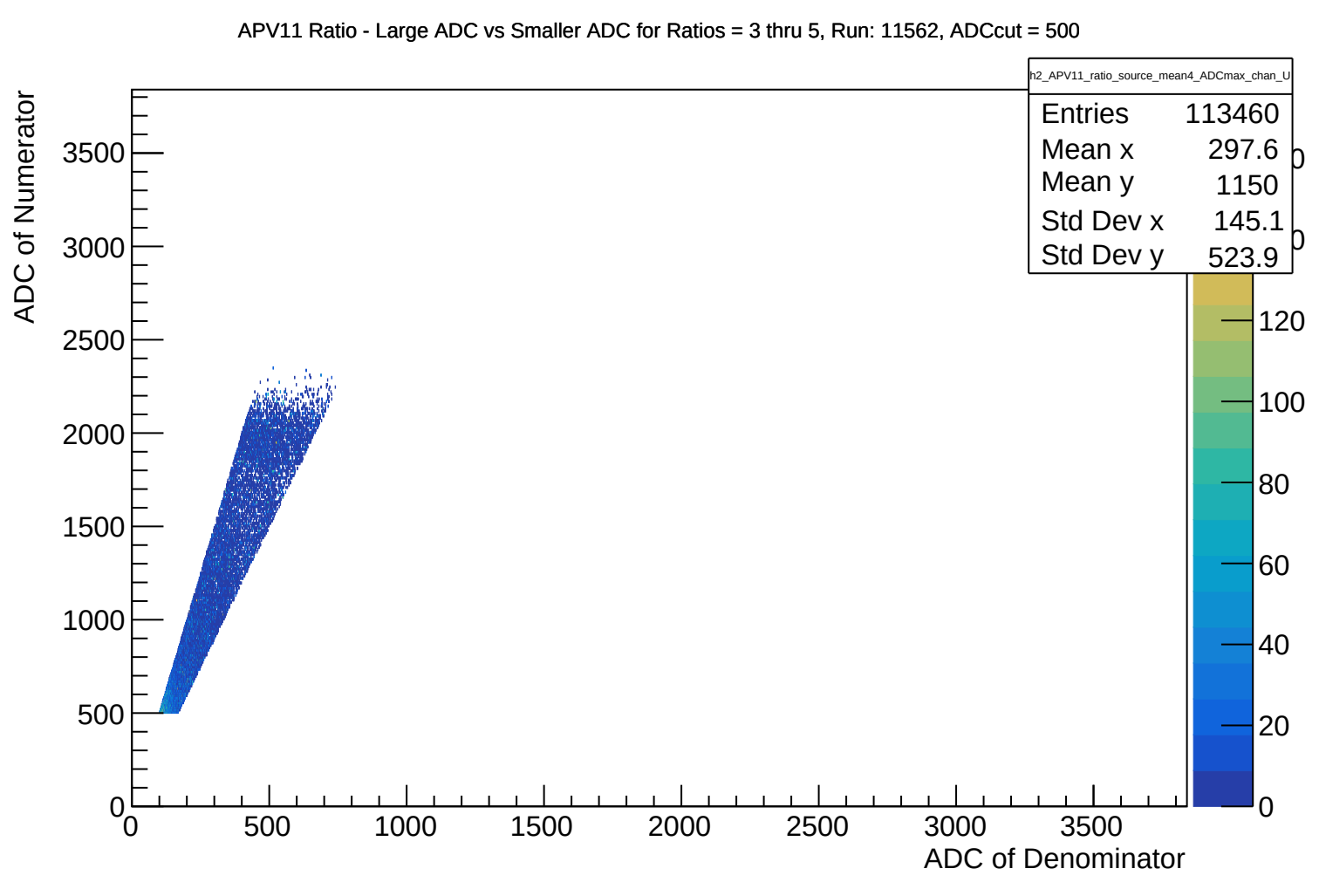

APV10 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 182381
Mean 1218
Std Dev 562.1
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500
4000

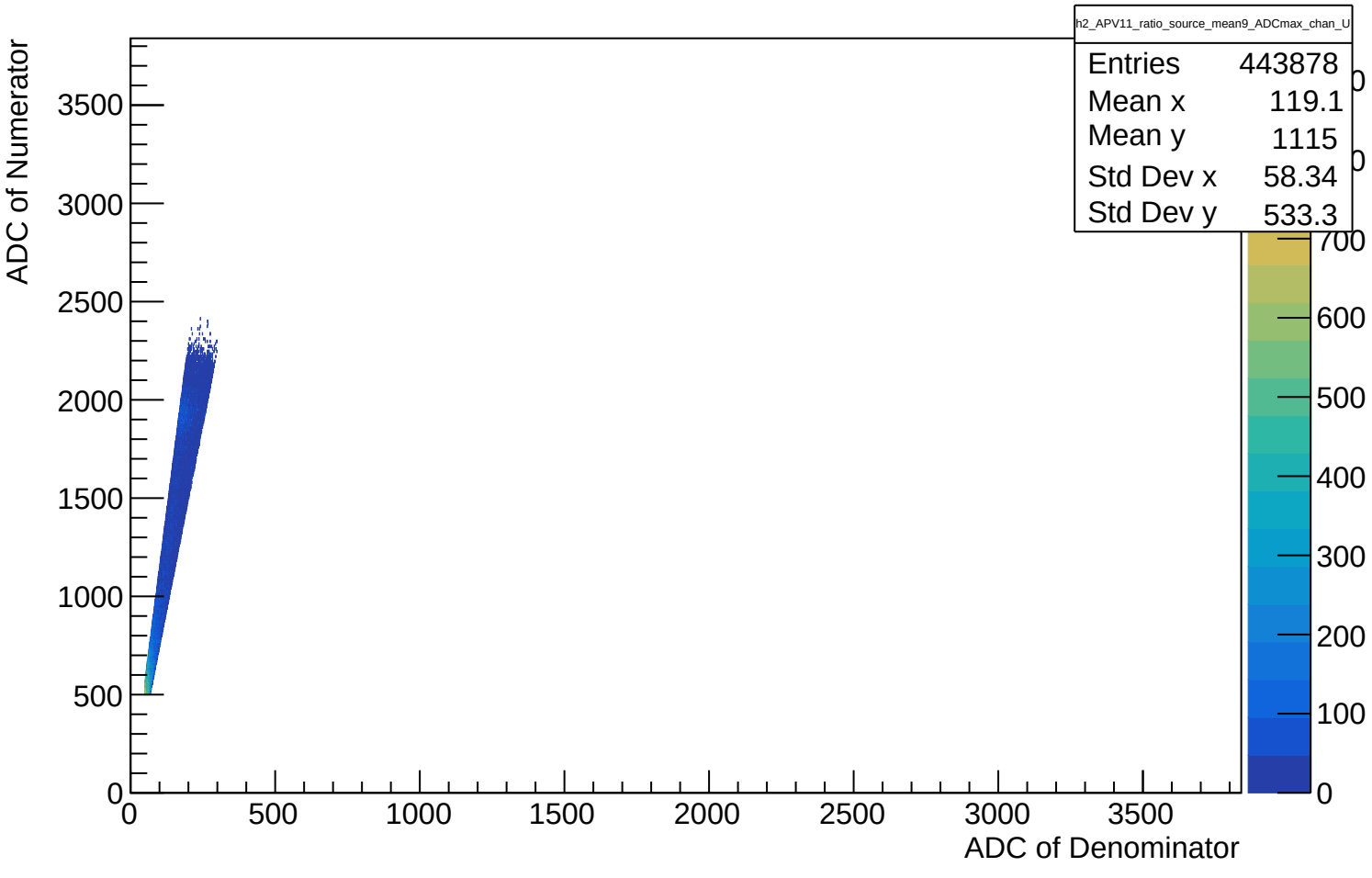

APV10 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 661712
Mean 119.3
Std Dev 60.5
Entries)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

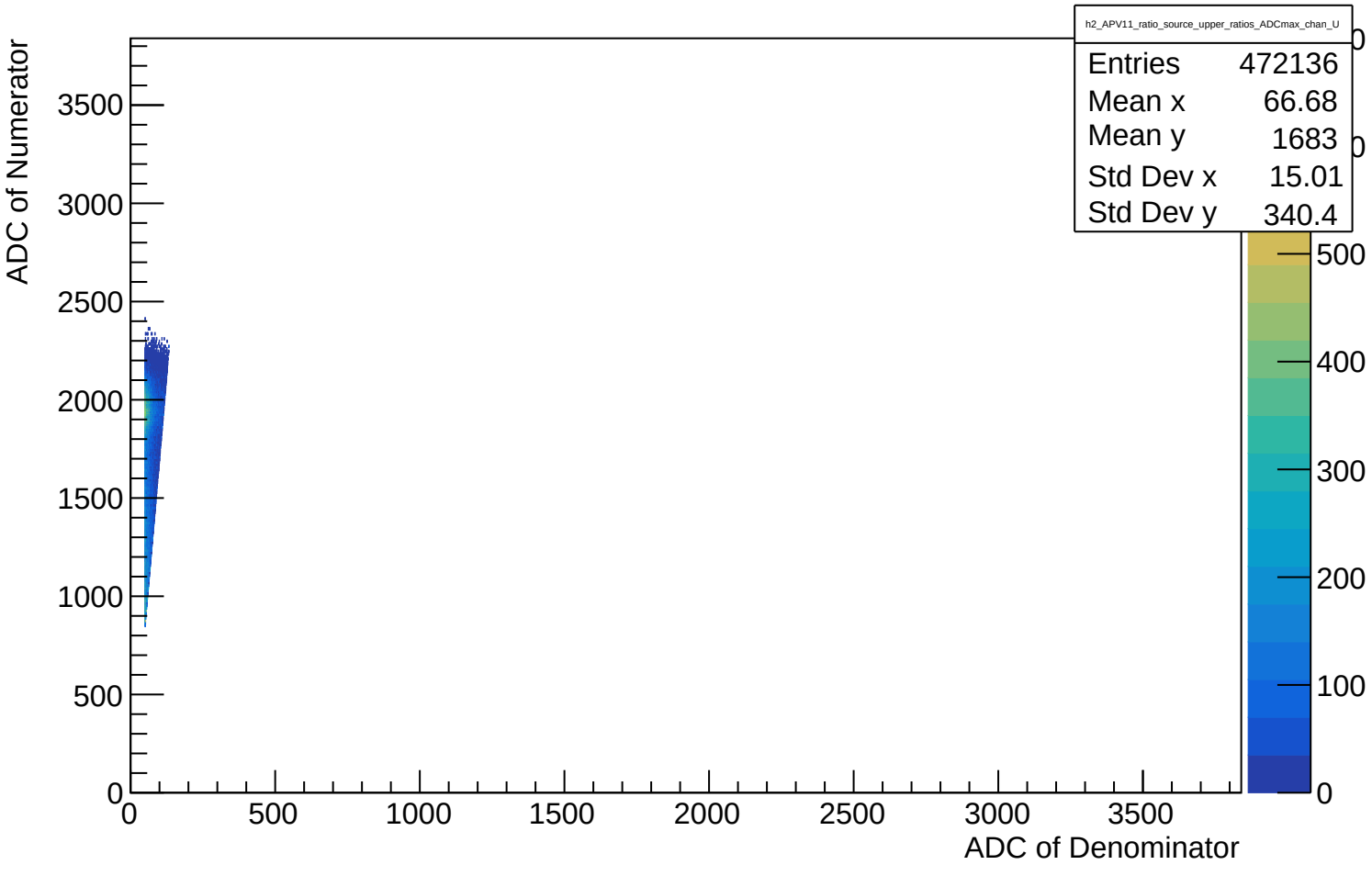

APV10 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 661712
Mean 1123
Std Dev 560
Entries)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

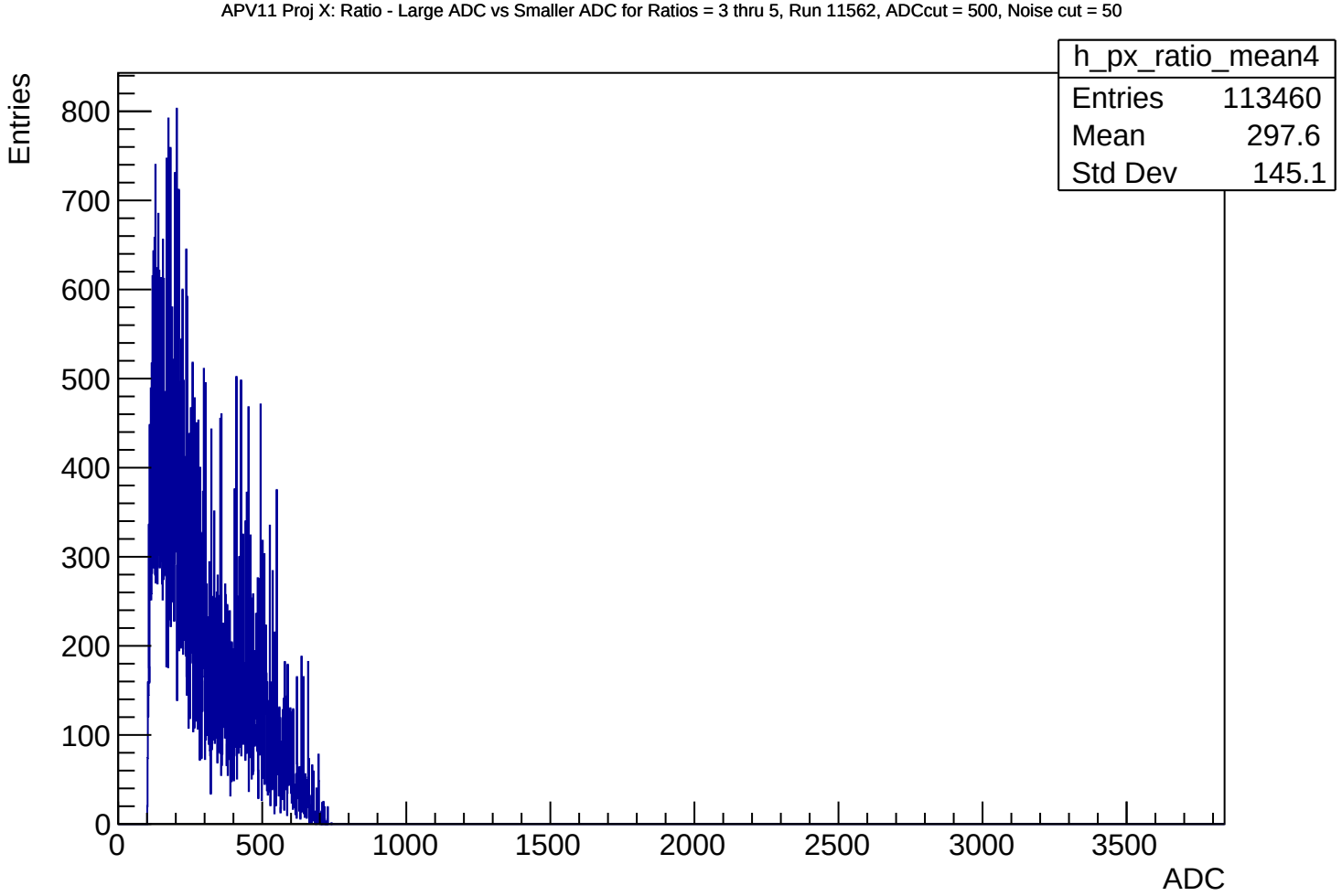

APV10 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 781846
Mean 65.82
Std Dev 14.9
Entries
60000
50000
40000
30000
20000
10000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

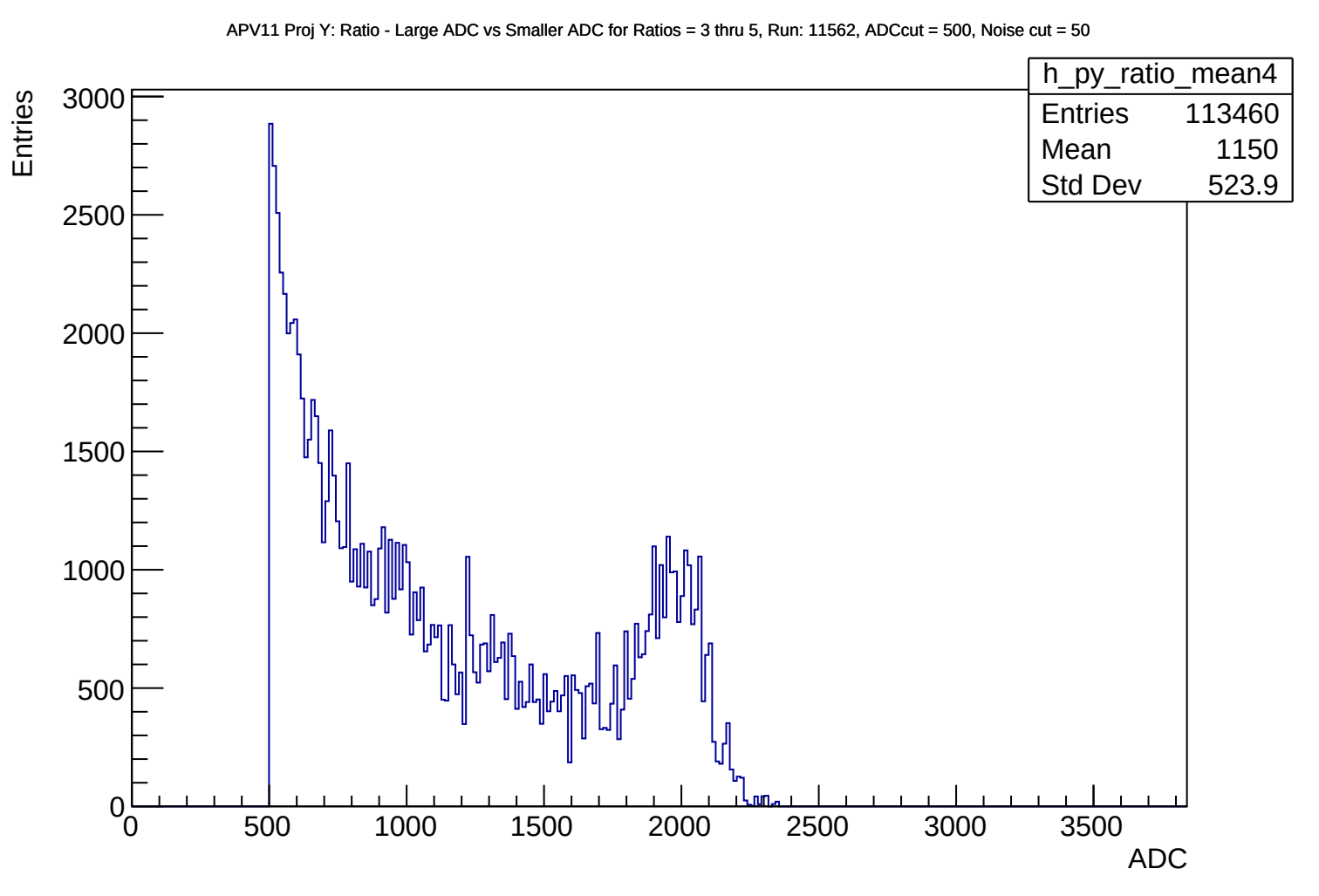

APV10 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 781846
Mean 1720
Std Dev 368.2
Entries
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

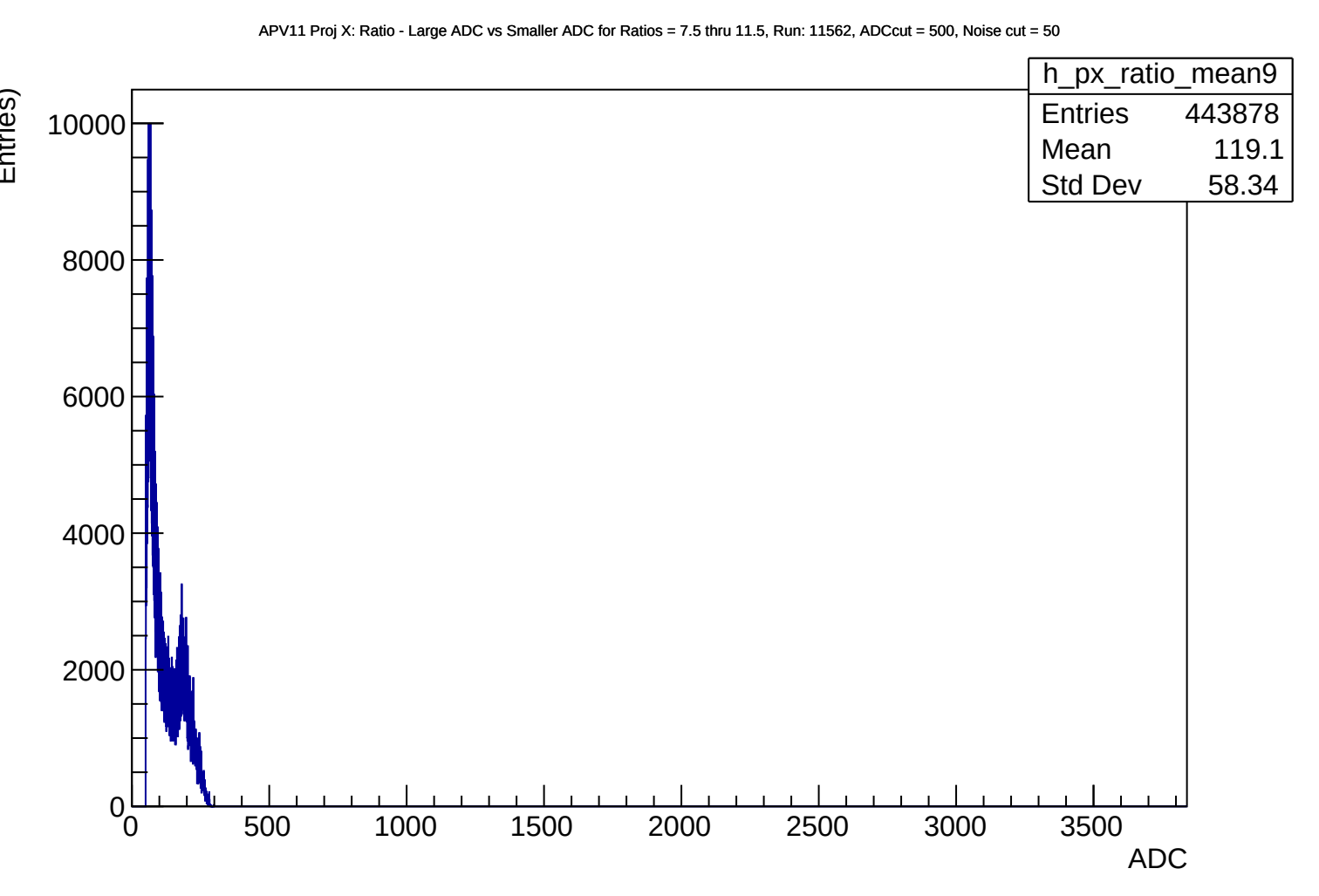

APV11 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV11_ratio_source_mean4_ADCmax_chan_U
Entries 113460
Mean x 297.6
Mean y 1150
Std Dev x 145.1
Std Dev y 523.9
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120

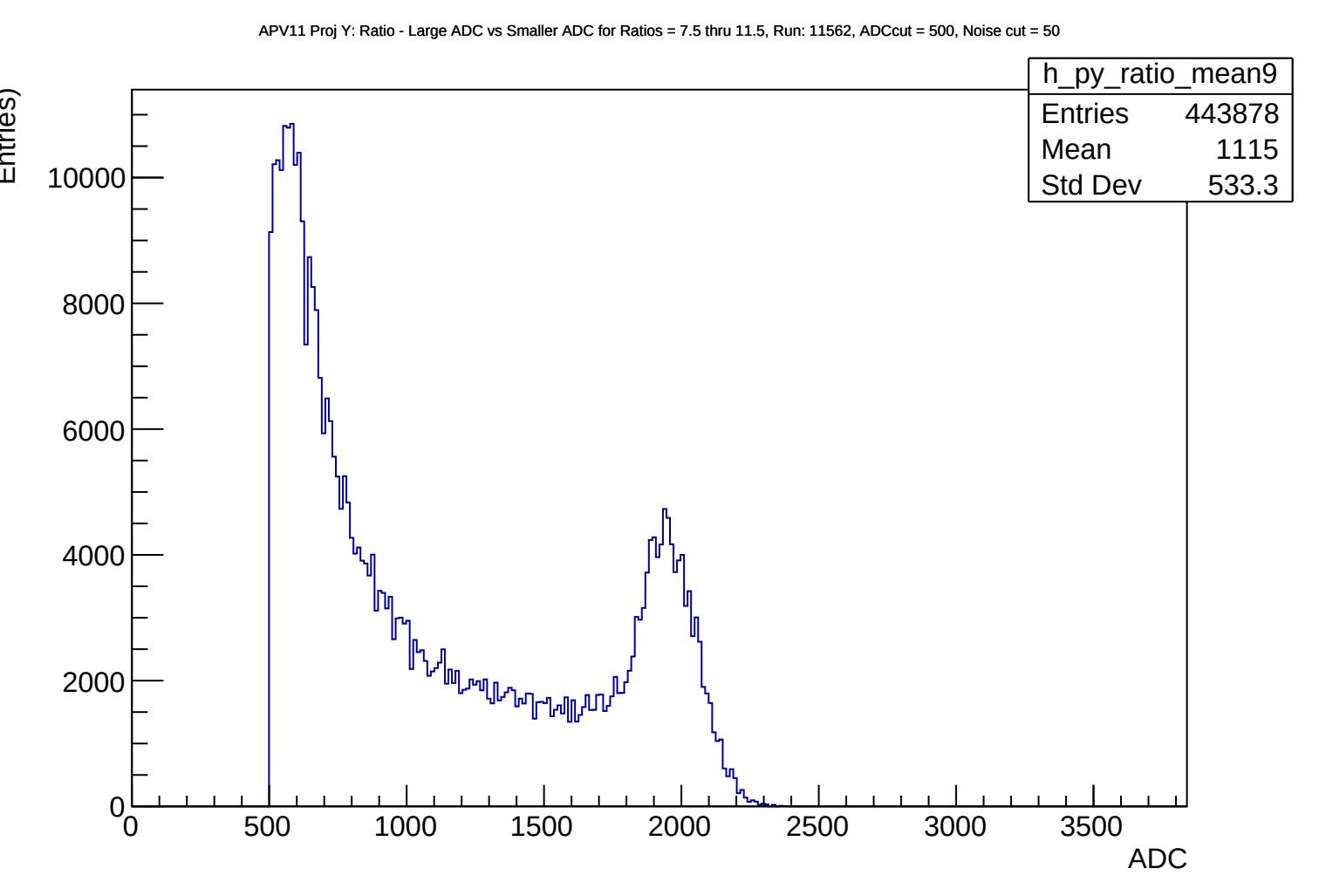

APV11 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV11_ratio_source_mean9_ADCmax_chan_U
Entries 443878
Mean x 119.1
Mean y 1115
Std Dev x 58.34
Std Dev y 533.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600
700


APV11 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV11_ratio_source_upper_ratios_ADCmax_chan_U
Entries 472136
Mean x 66.68
Mean y 1683
Std Dev x 15.01
Std Dev y 340.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

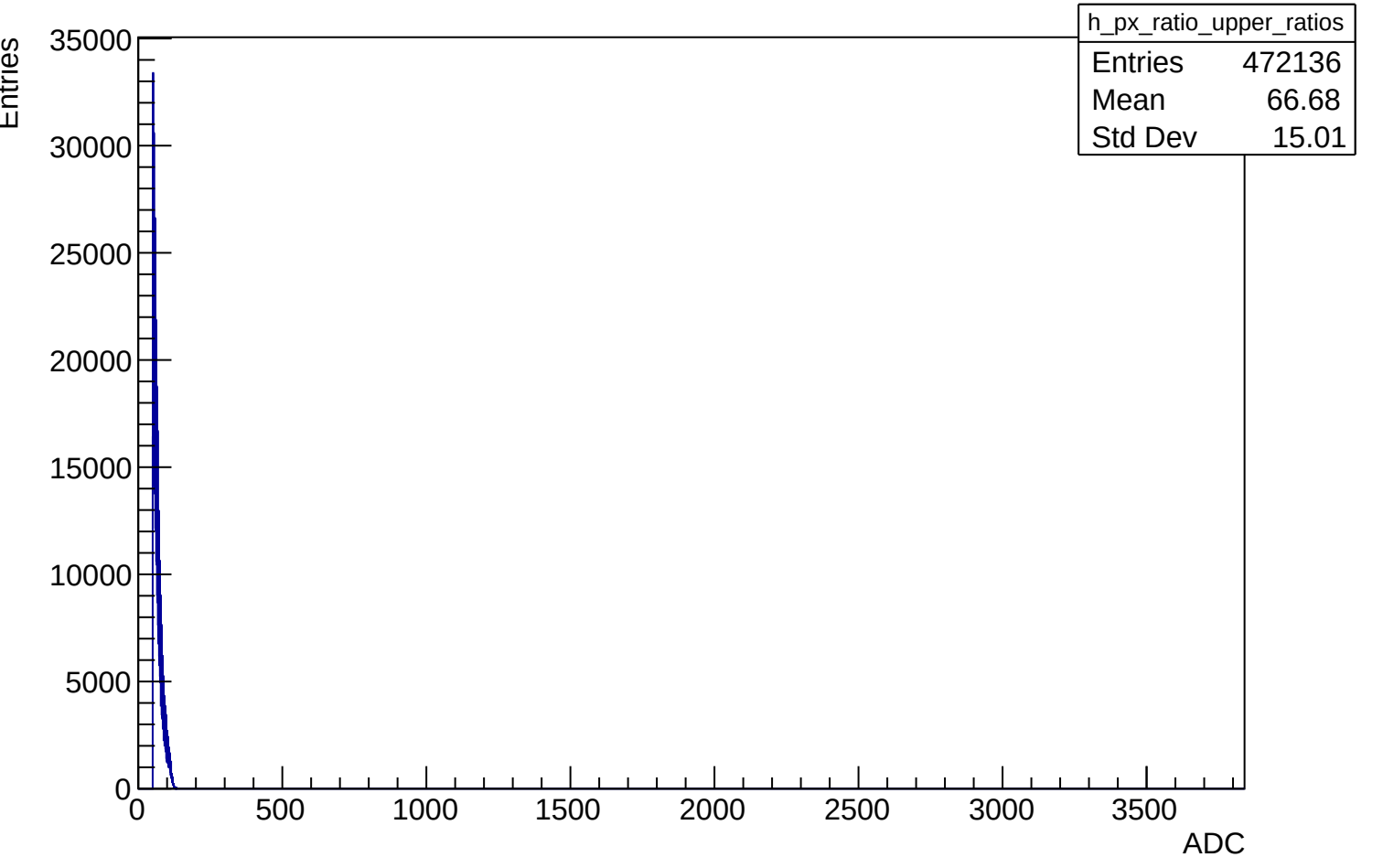

APV11 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 113460
Mean 297.6
Std Dev 145.1
Entries
0
100
200
300
400
500
600
700
800
0
500
1000
1500
2000
2500
3000
3500
ADC

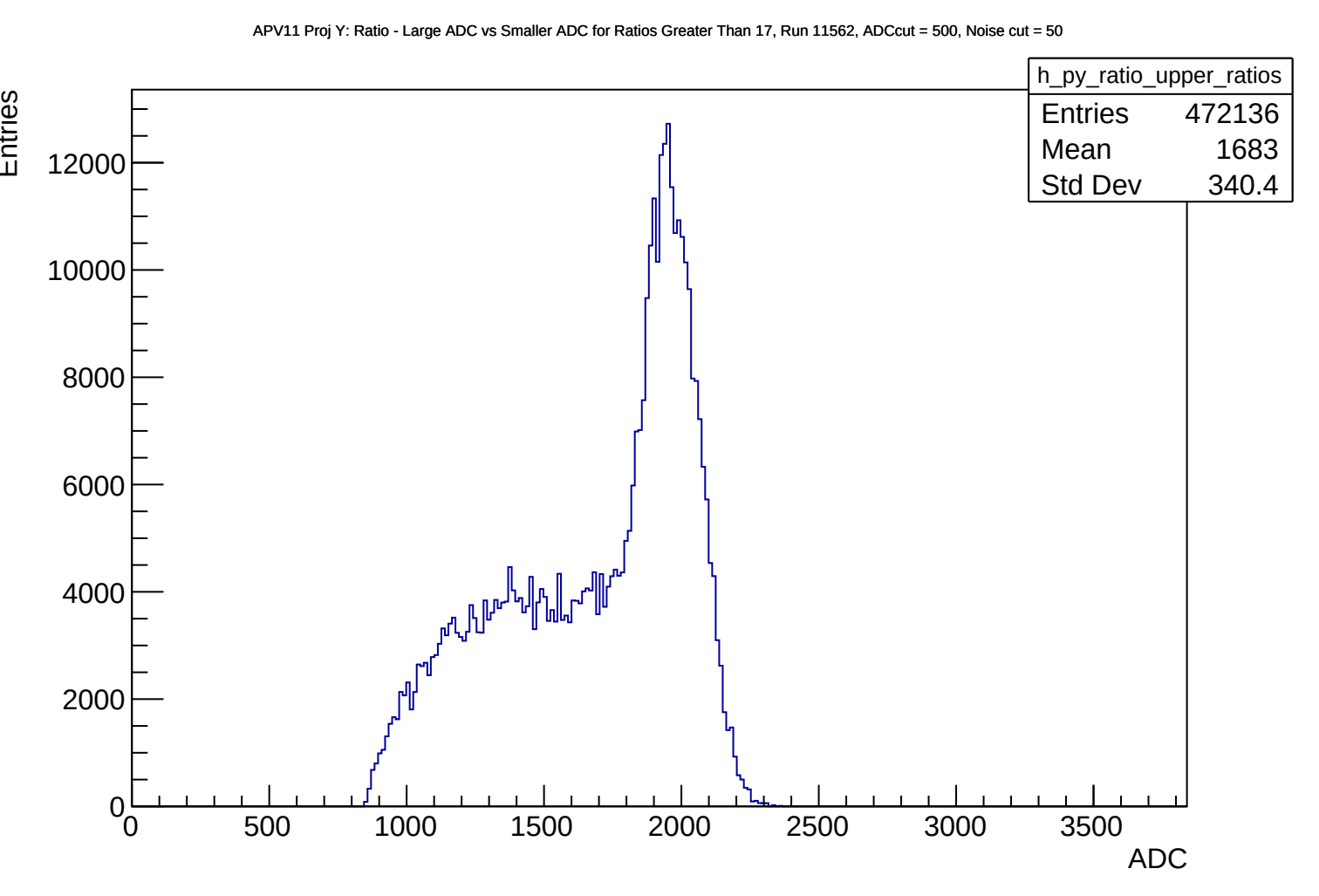

APV11 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 113460
Mean 1150
Std Dev 523.9
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500

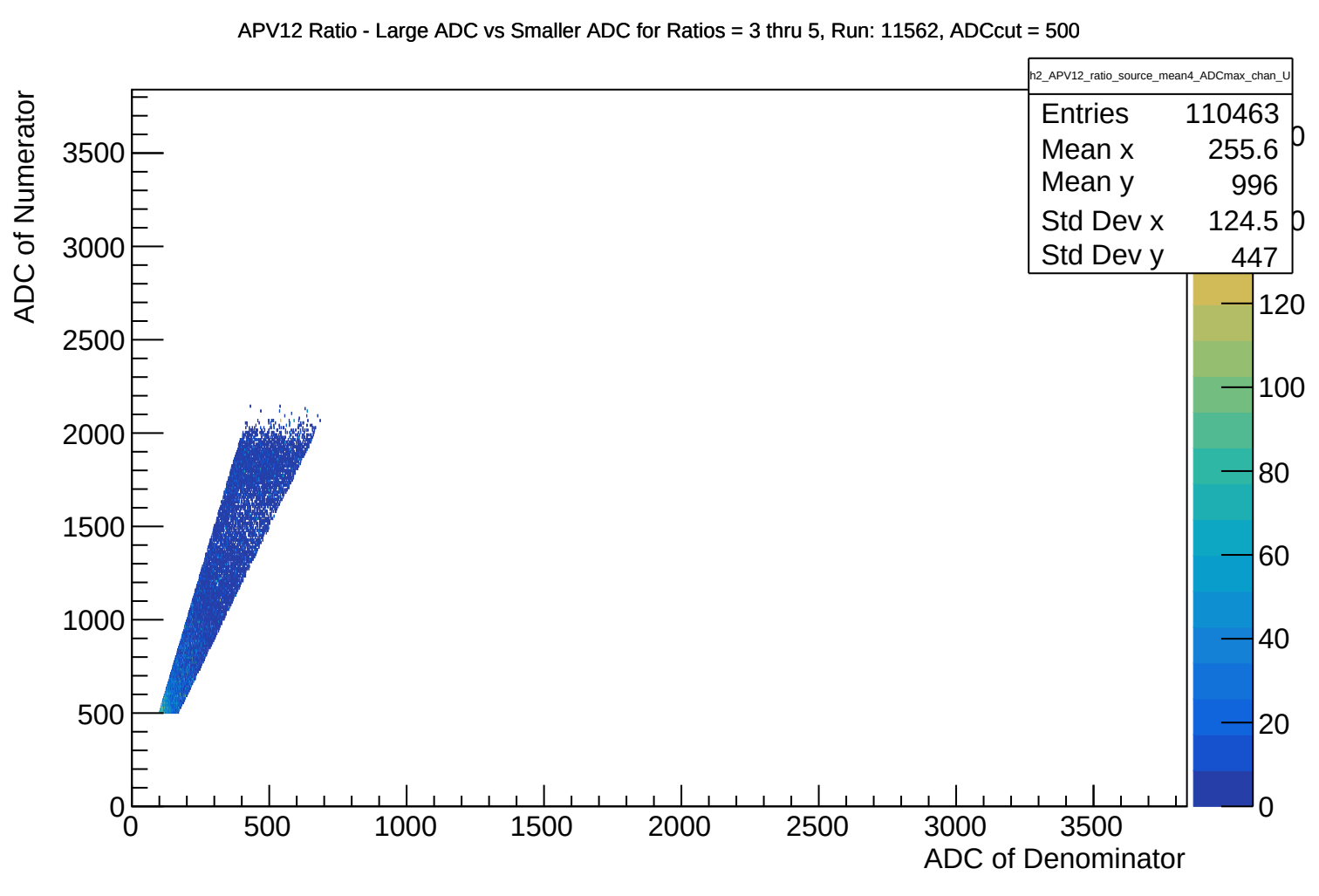

APV11 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 443878
Mean 119.1
Std Dev 58.34
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

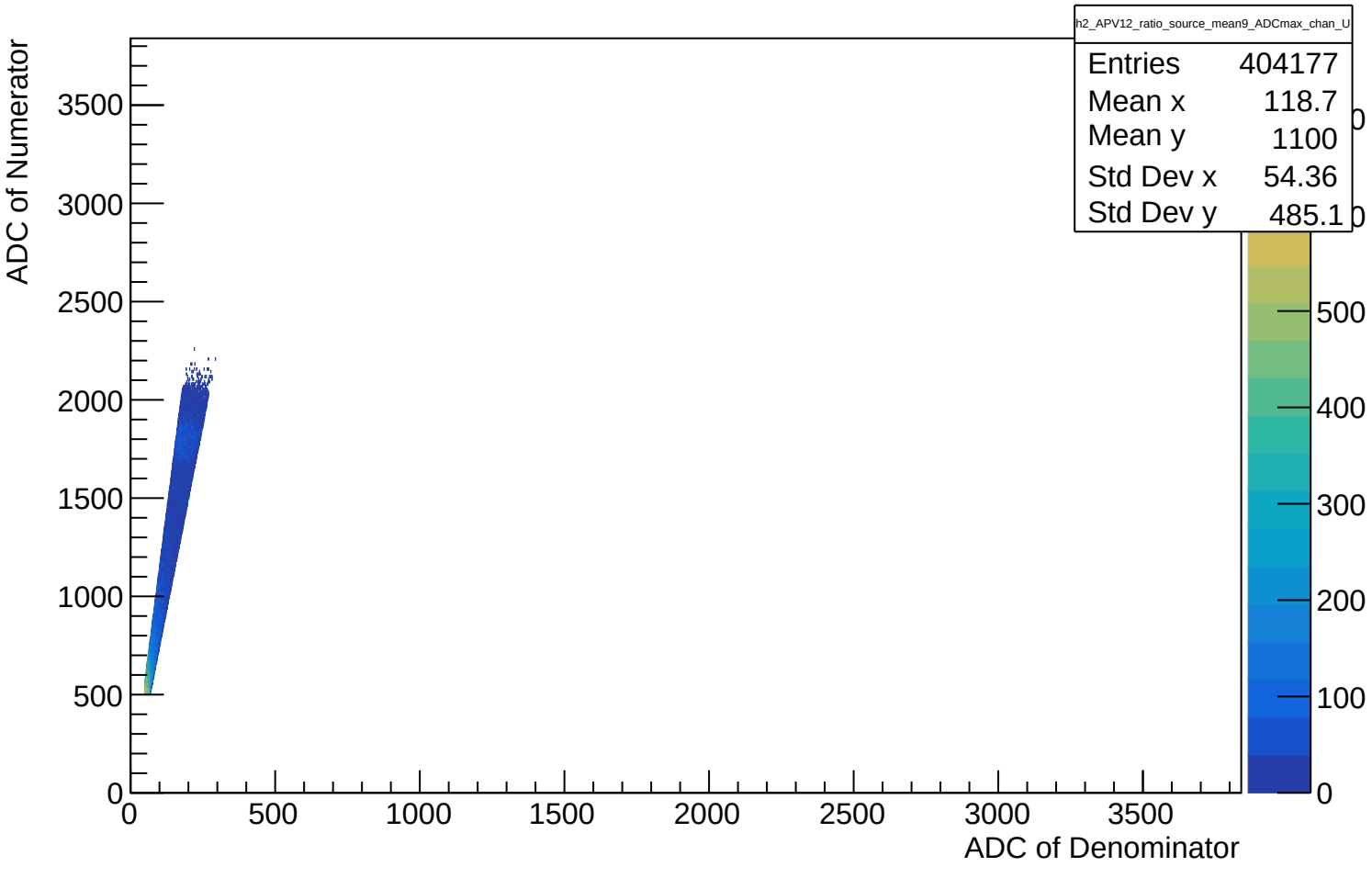

APV11 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 443878
Mean 1115
Std Dev 533.3
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

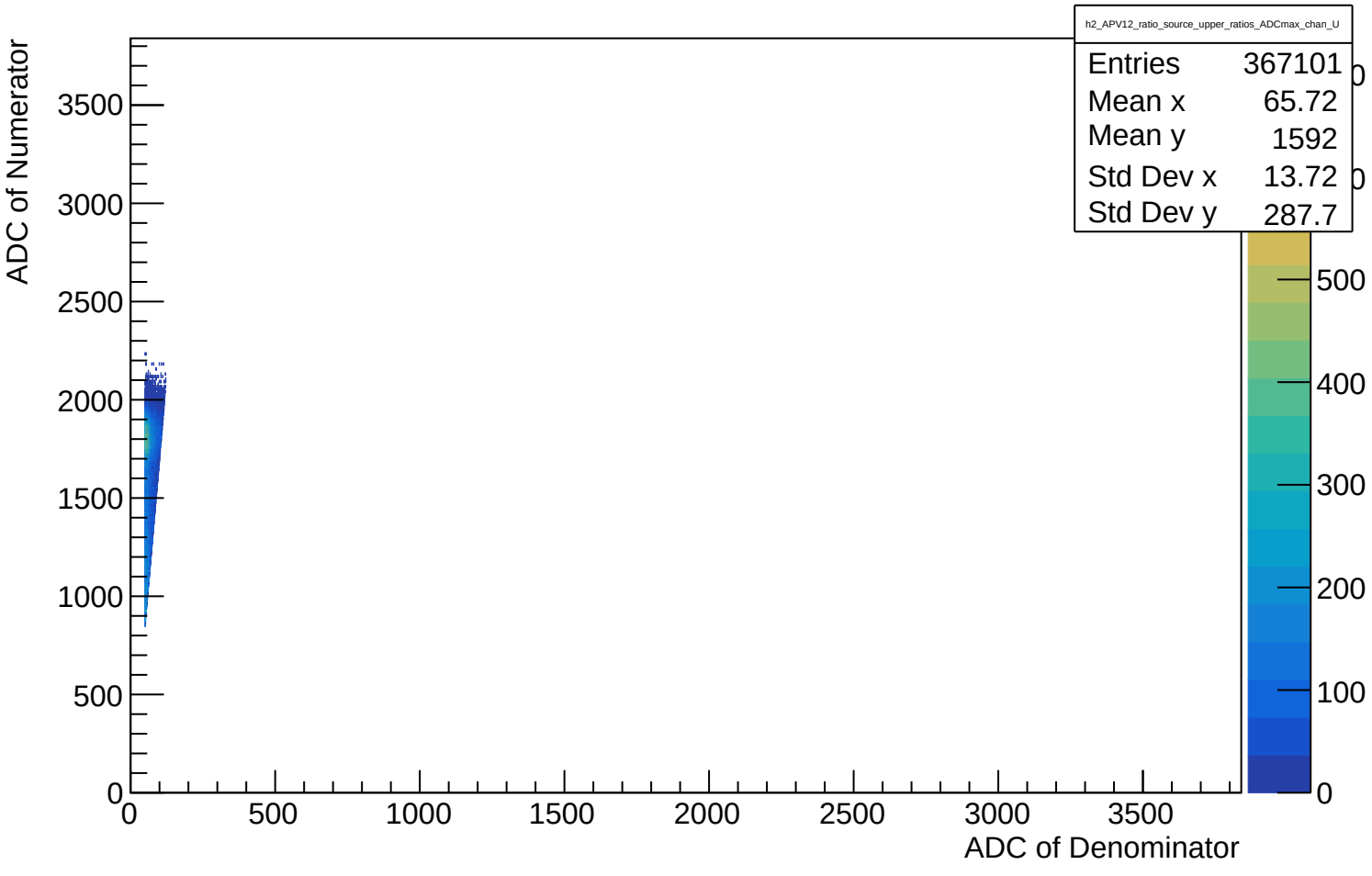
APV11 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

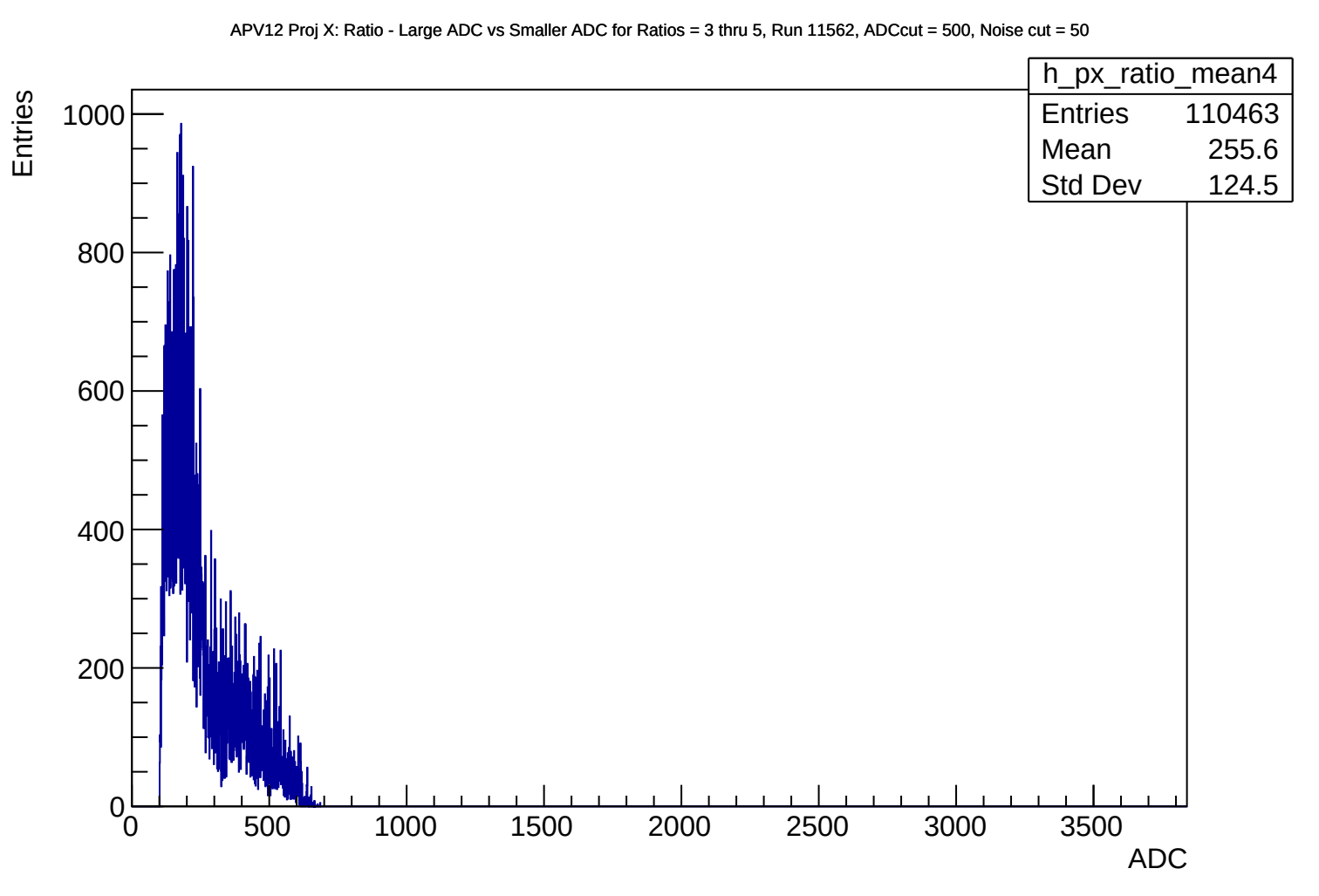


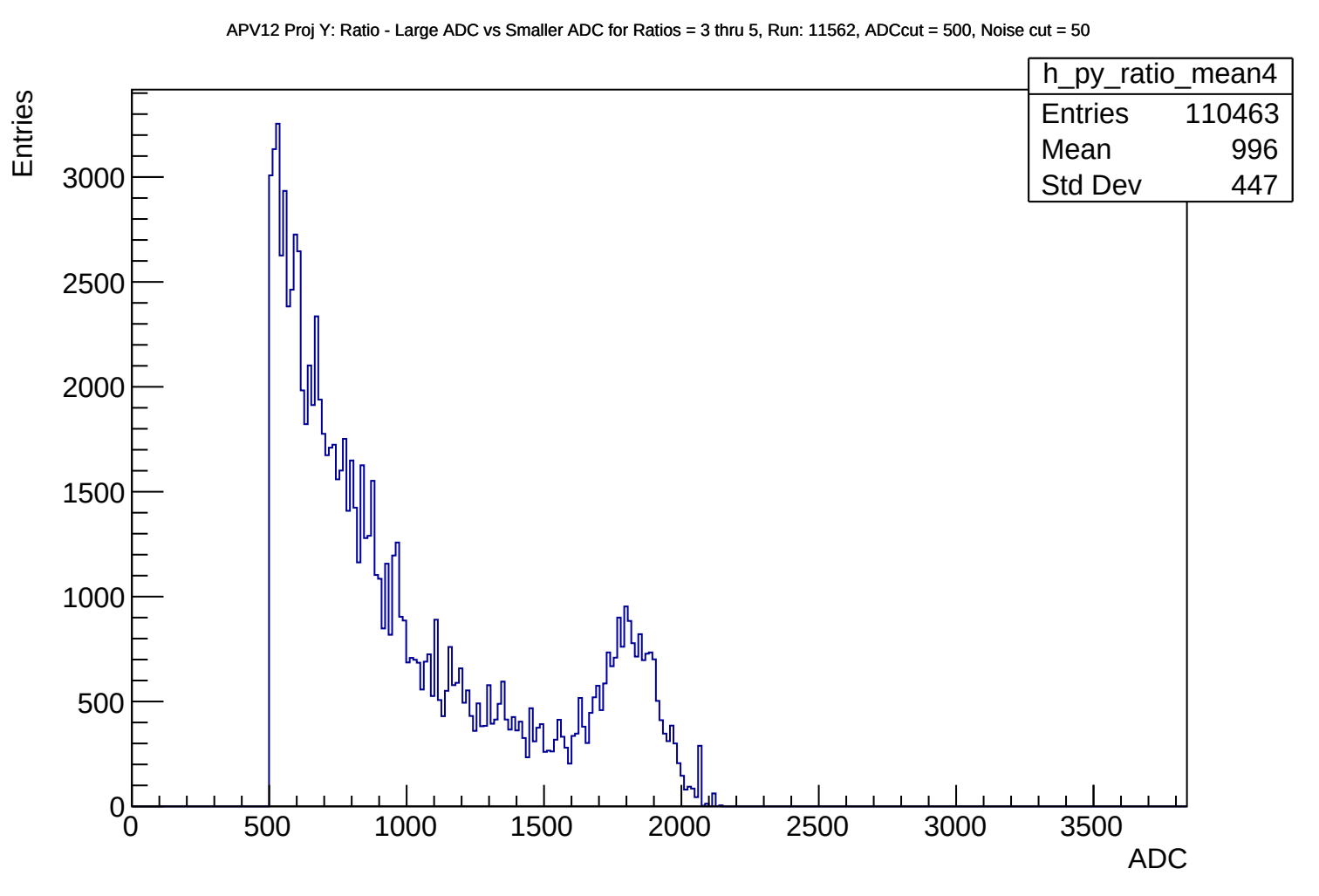

APV11 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 472136
Mean 1683
Std Dev 340.4
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

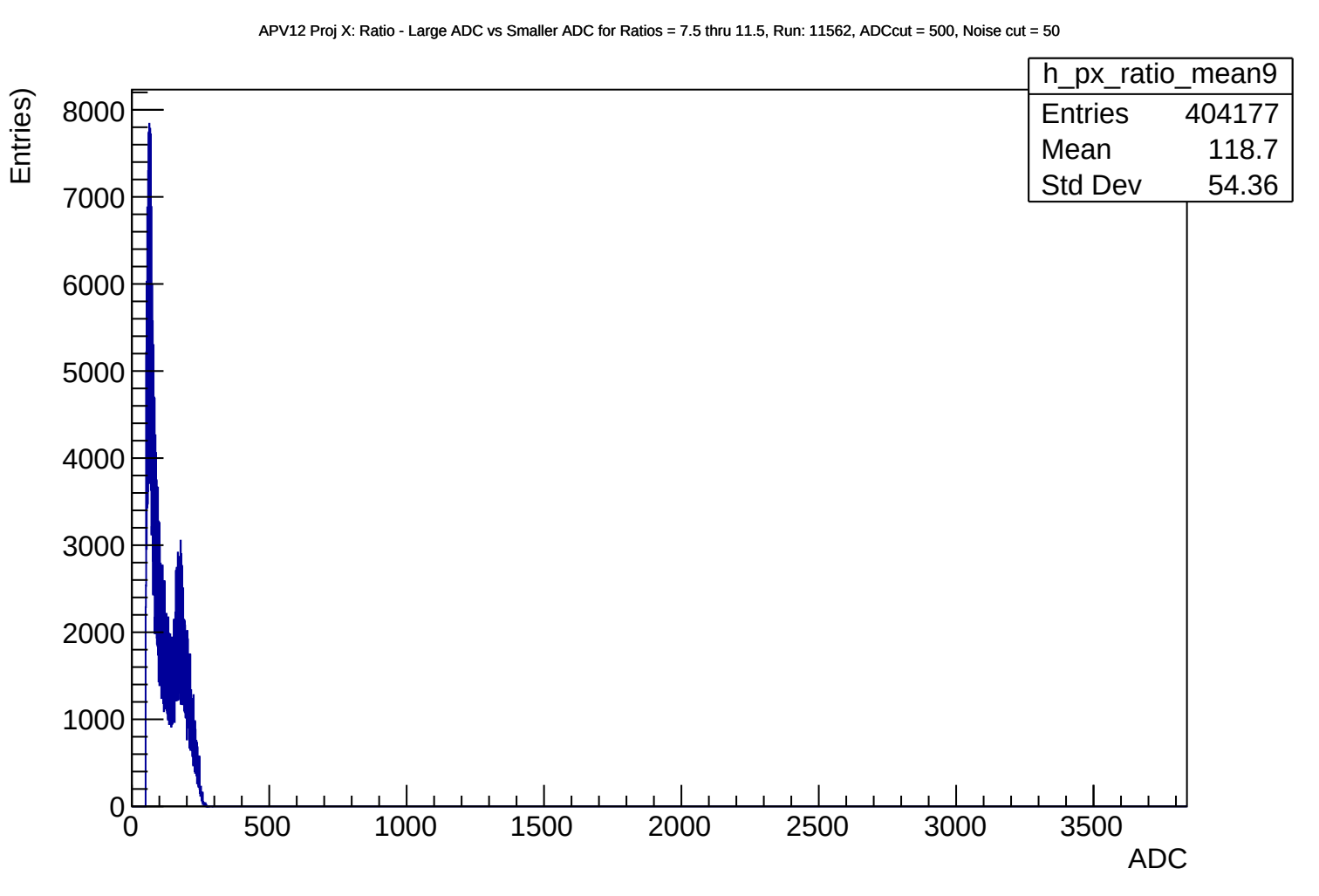

APV12 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV12_ratio_source_mean4_ADCmax_chan_U
Entries 110463
Mean x 255.6
Mean y 996
Std Dev x 124.5
Std Dev y 447
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120

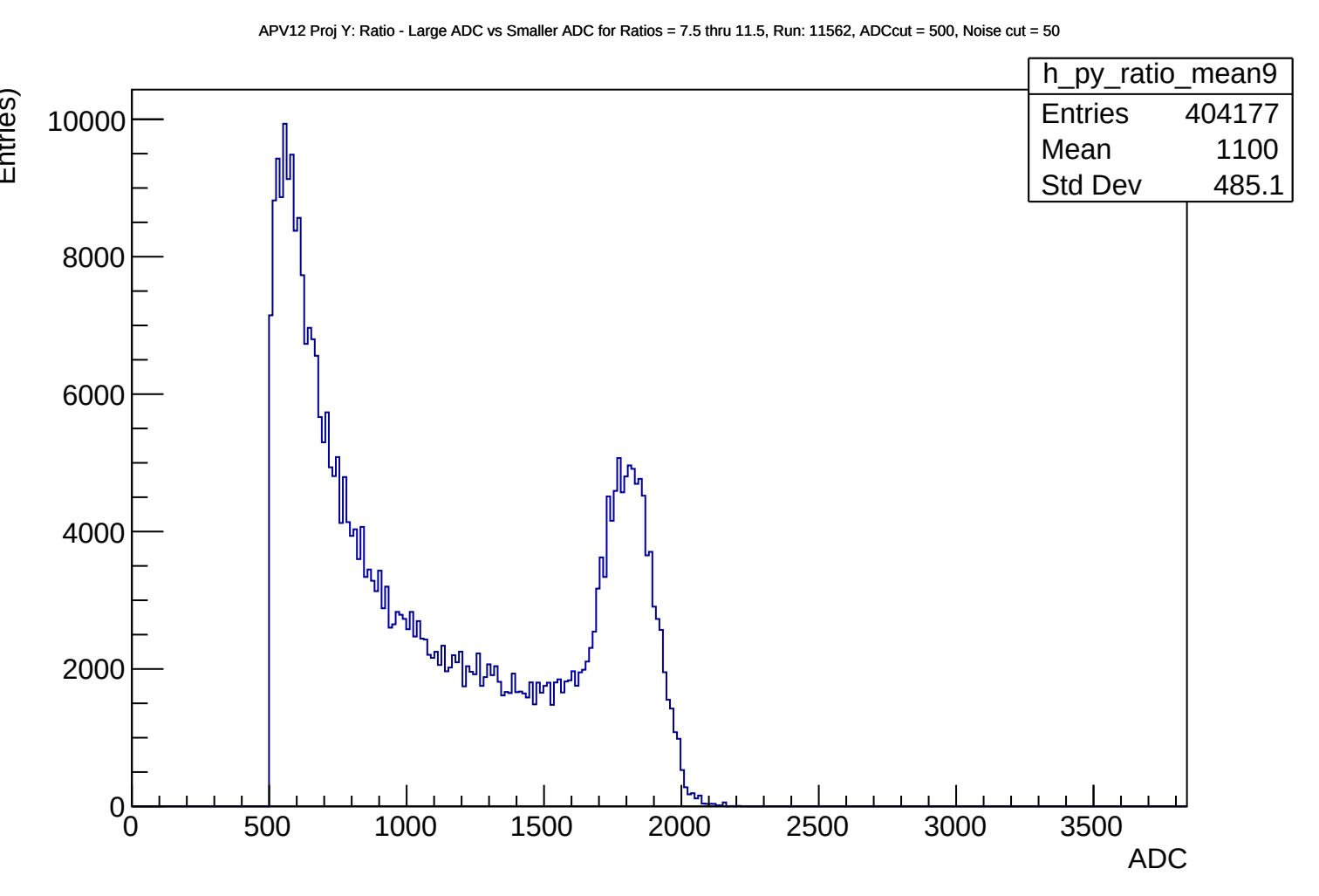

APV12 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV12_ratio_source_mean9_ADCmax_chan_U
Entries 404177
Mean x 118.7
Mean y 1100
Std Dev x 54.36
Std Dev y 485.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400


APV12 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV12_ratio_source_upper_ratios_ADCmax_chan_U
Entries 367101
Mean x 65.72
Mean y 1592
Std Dev x 13.72
Std Dev y 287.7
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

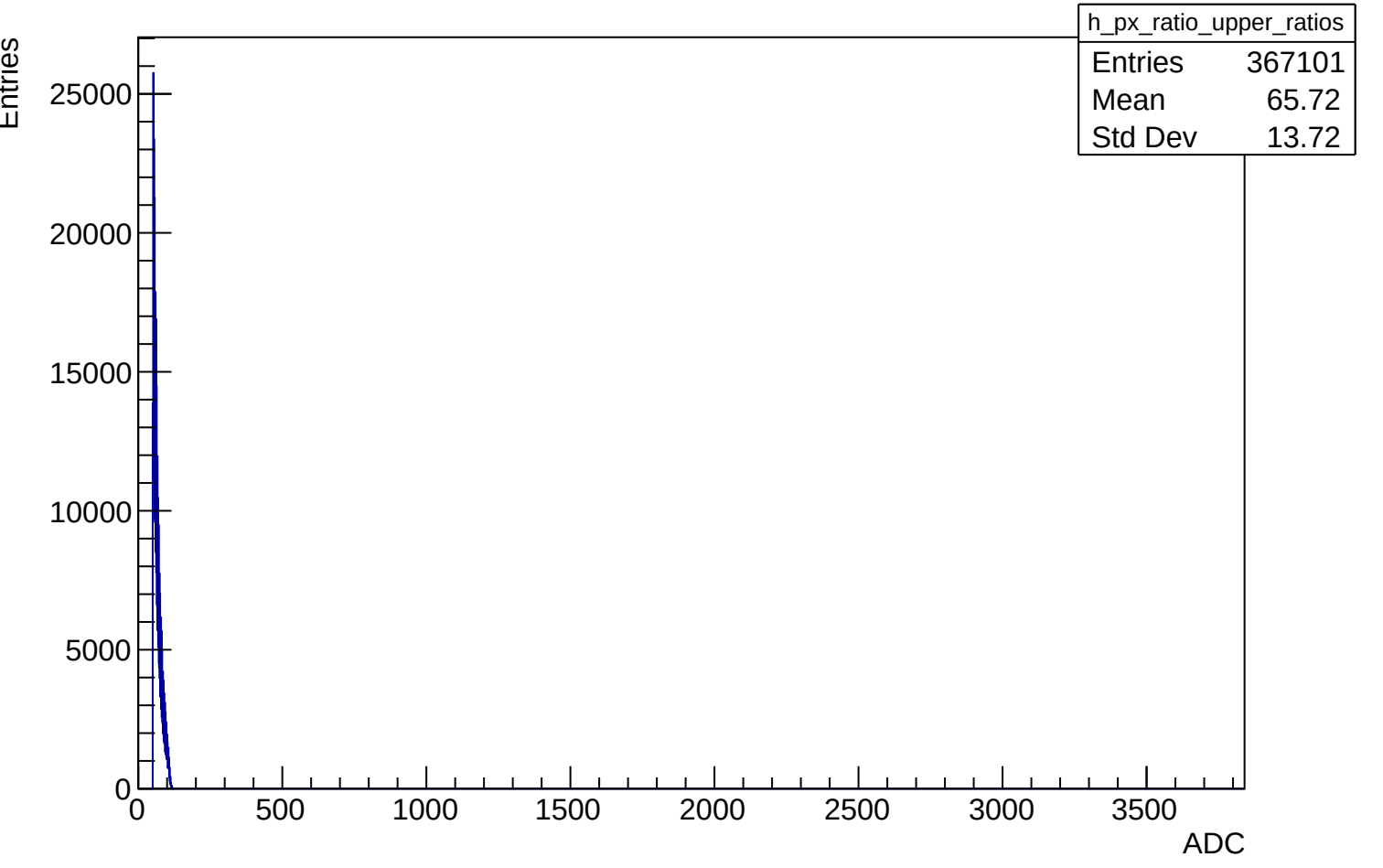

APV12 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 110463
Mean 255.6
Std Dev 124.5
Entries
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
3500
ADC

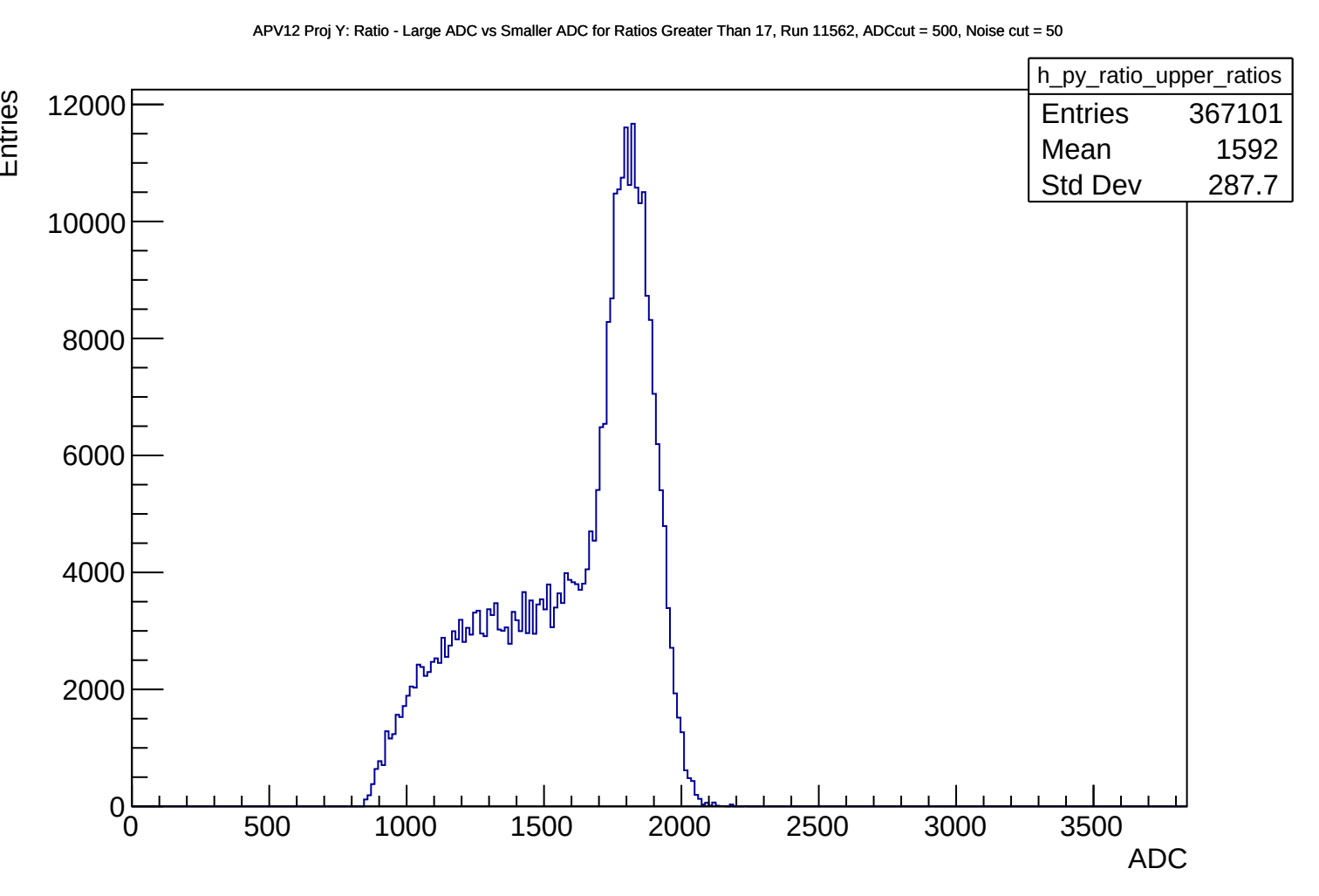

APV12 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 110463
Mean 996
Std Dev 447
Entries
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

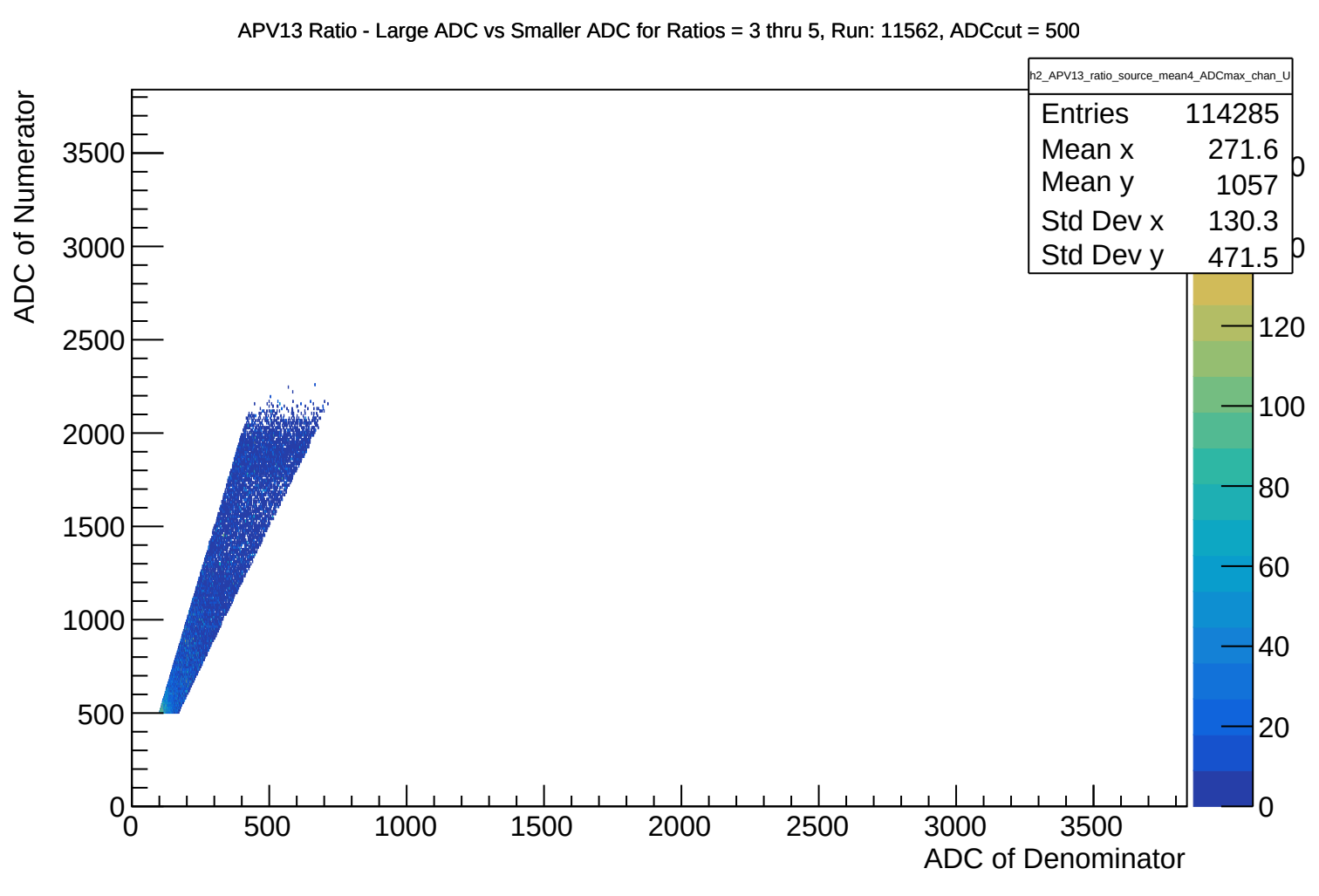

APV12 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 404177
Mean 118.7
Std Dev 54.36
Entries)
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

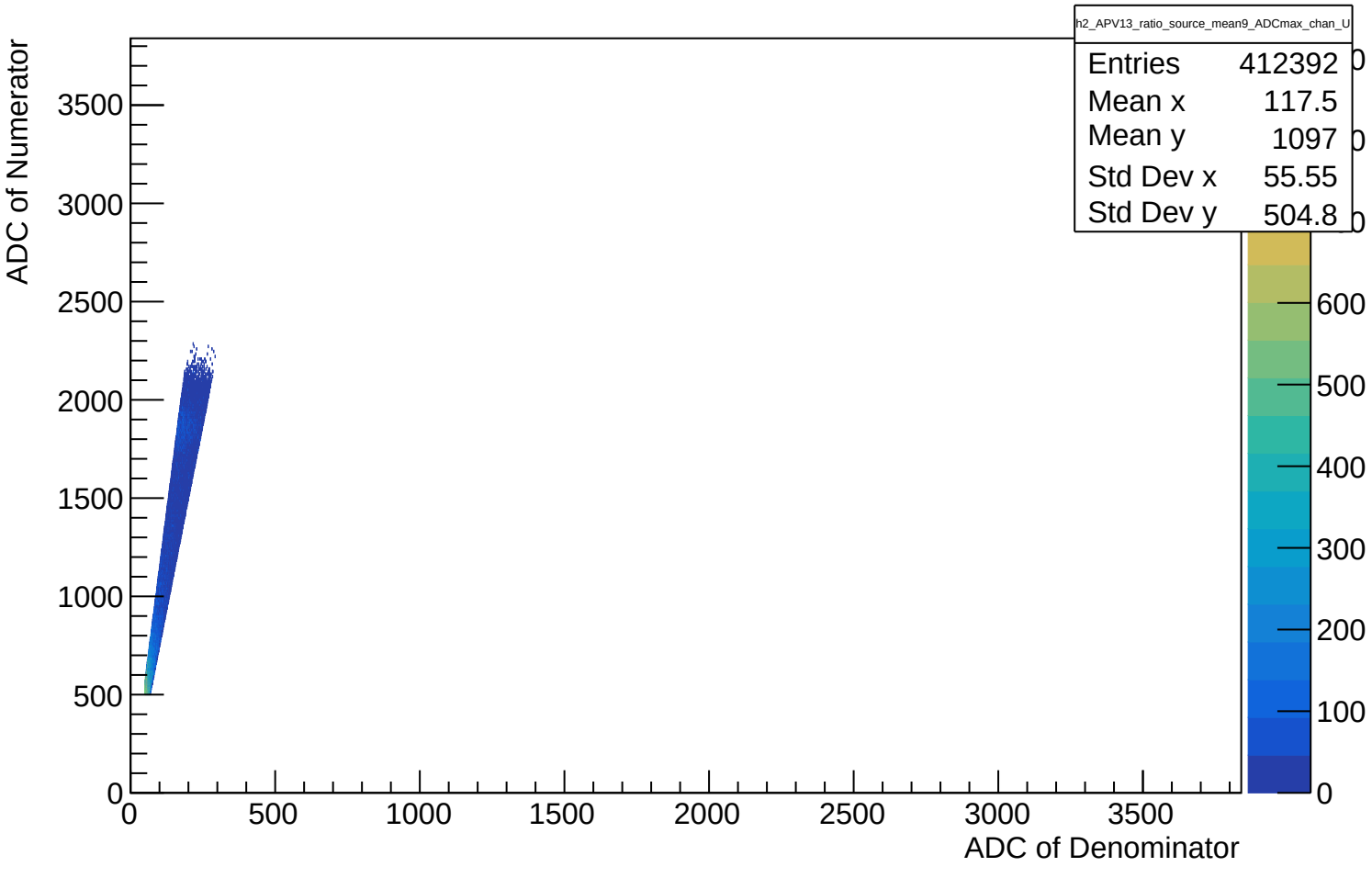

APV12 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 404177
Mean 1100
Std Dev 485.1
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

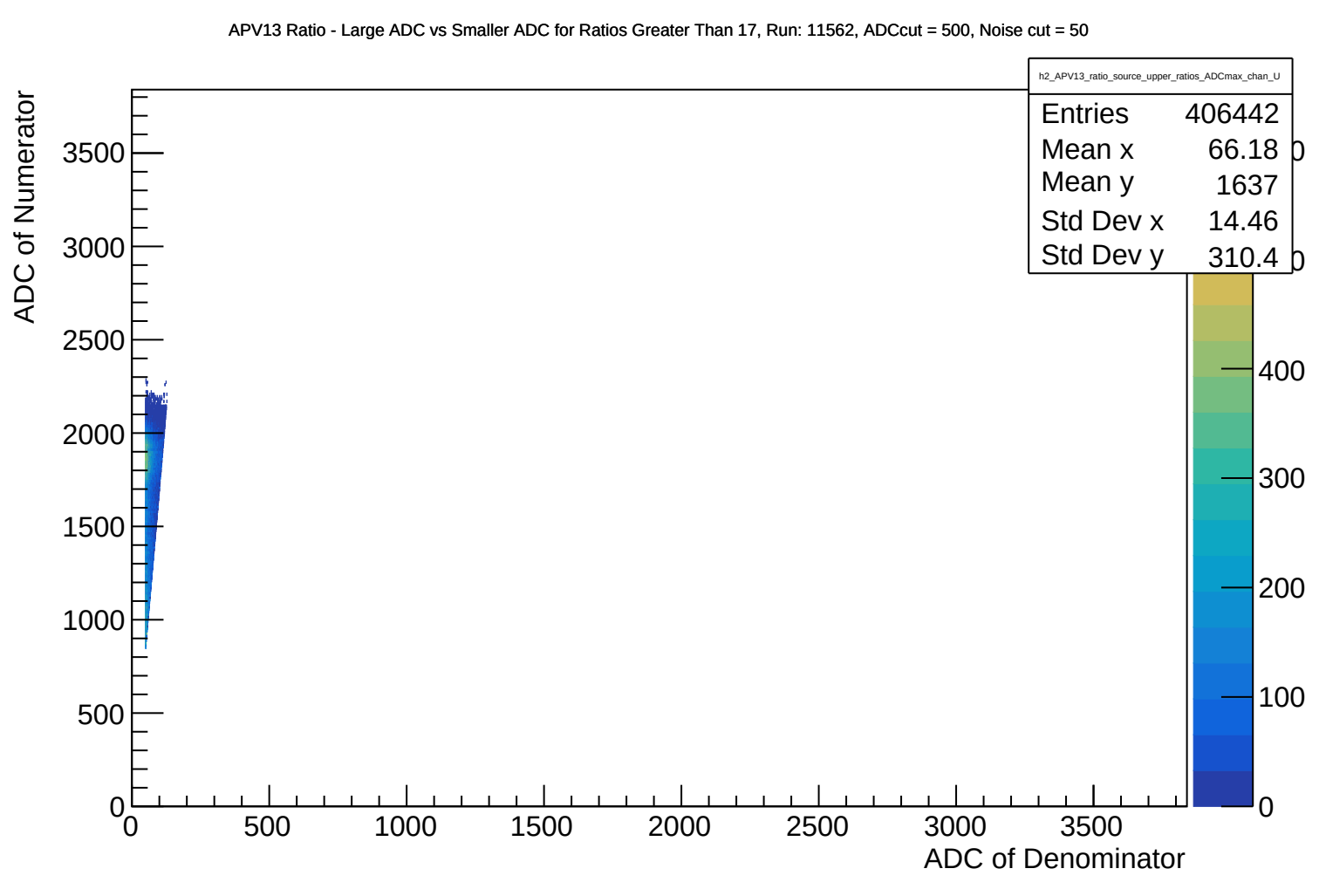
APV12 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

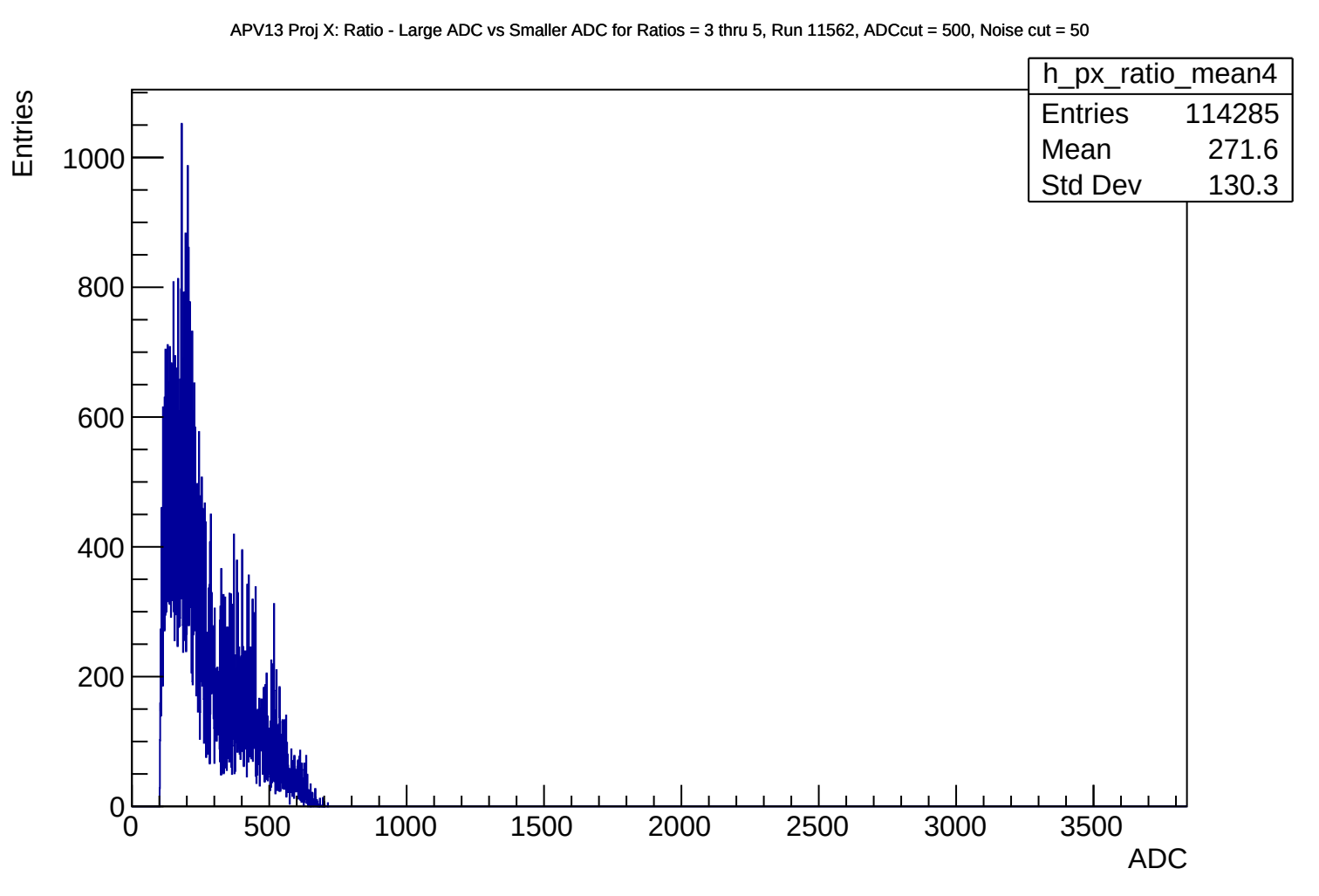


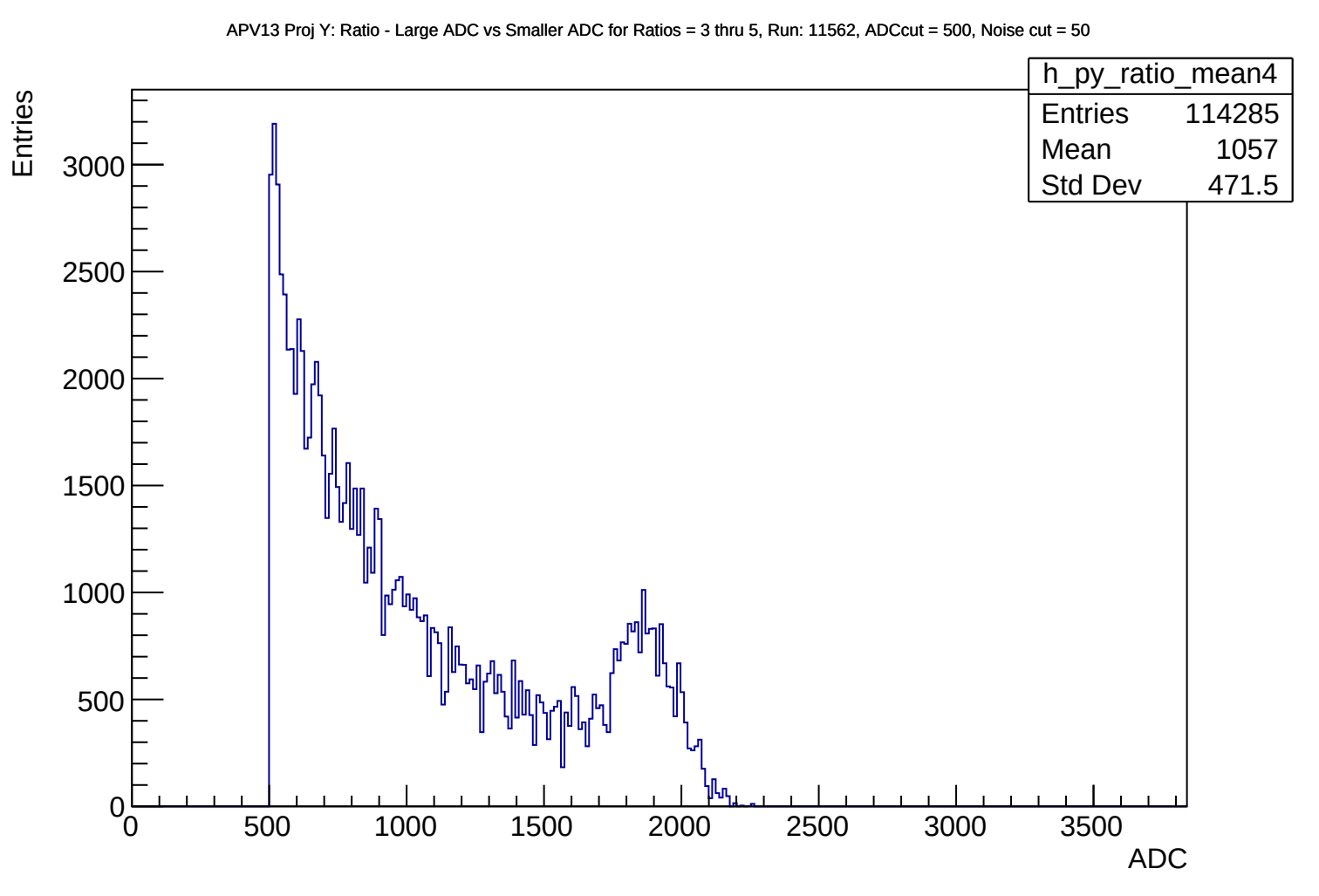

APV12 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 367101
Mean 1592
Std Dev 287.7
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

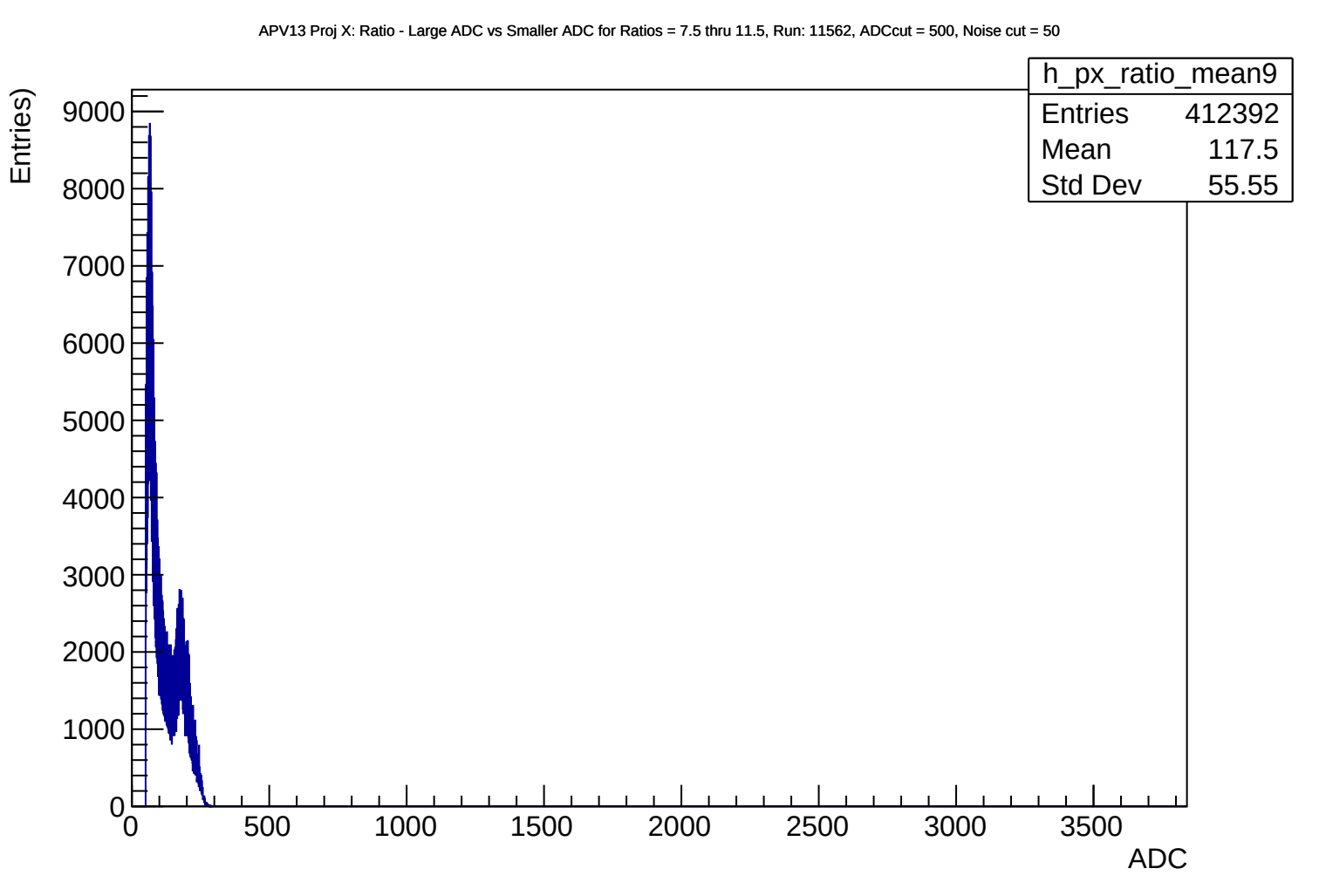

APV13 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV13_ratio_source_mean4_ADCmax_chan_U
Entries 114285
Mean x 271.6
Mean y 1057
Std Dev x 130.3
Std Dev y 471.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120

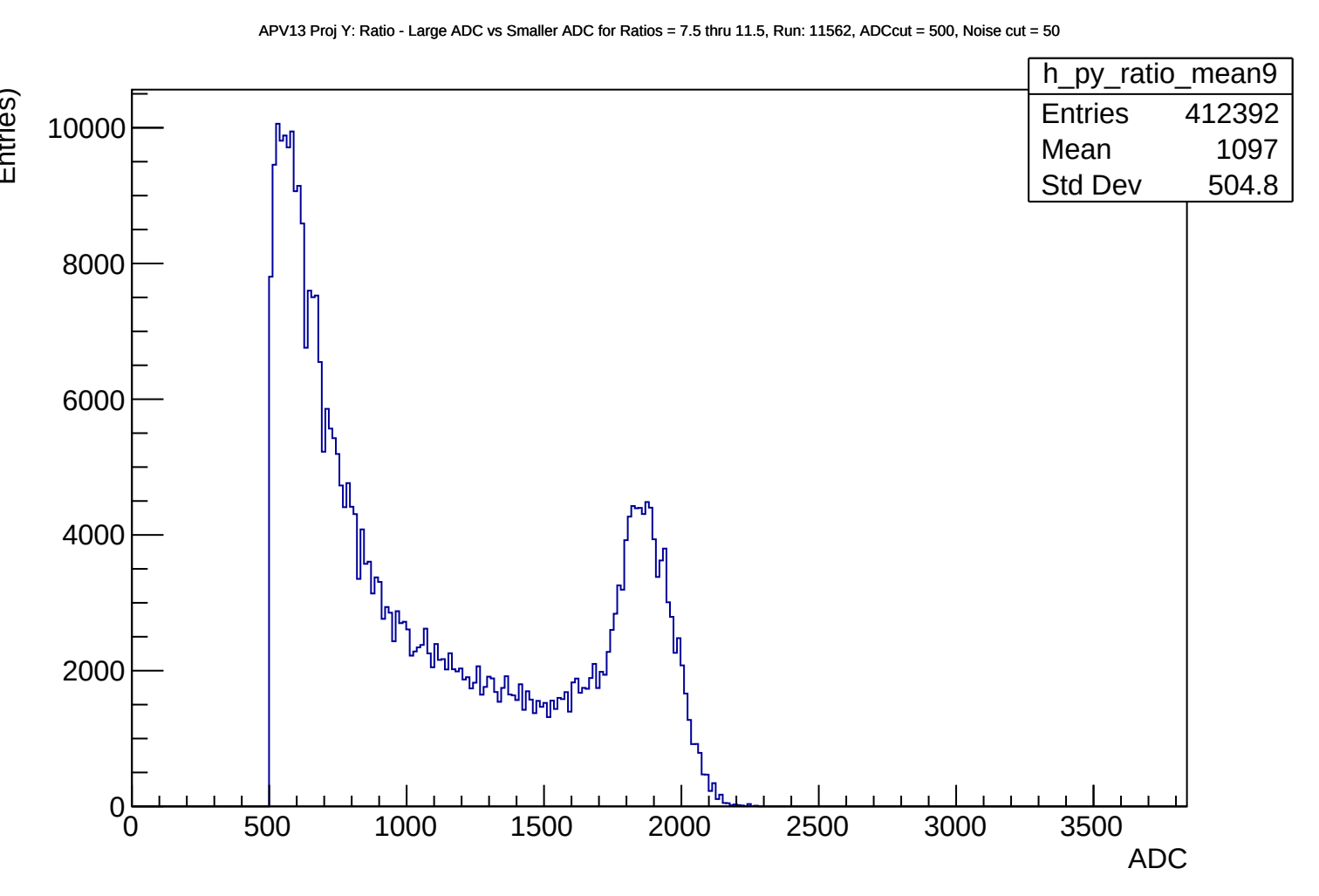

APV13 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV13_ratio_source_mean9_ADCmax_chan_U
Entries 412392
Mean x 117.5
Mean y 1097
Std Dev x 55.55
Std Dev y 504.8
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600


APV13 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV13_ratio_source_upper_ratios_ADCmax_chan_U
Entries 406442
Mean x 66.18
Mean y 1637
Std Dev x 14.46
Std Dev y 310.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

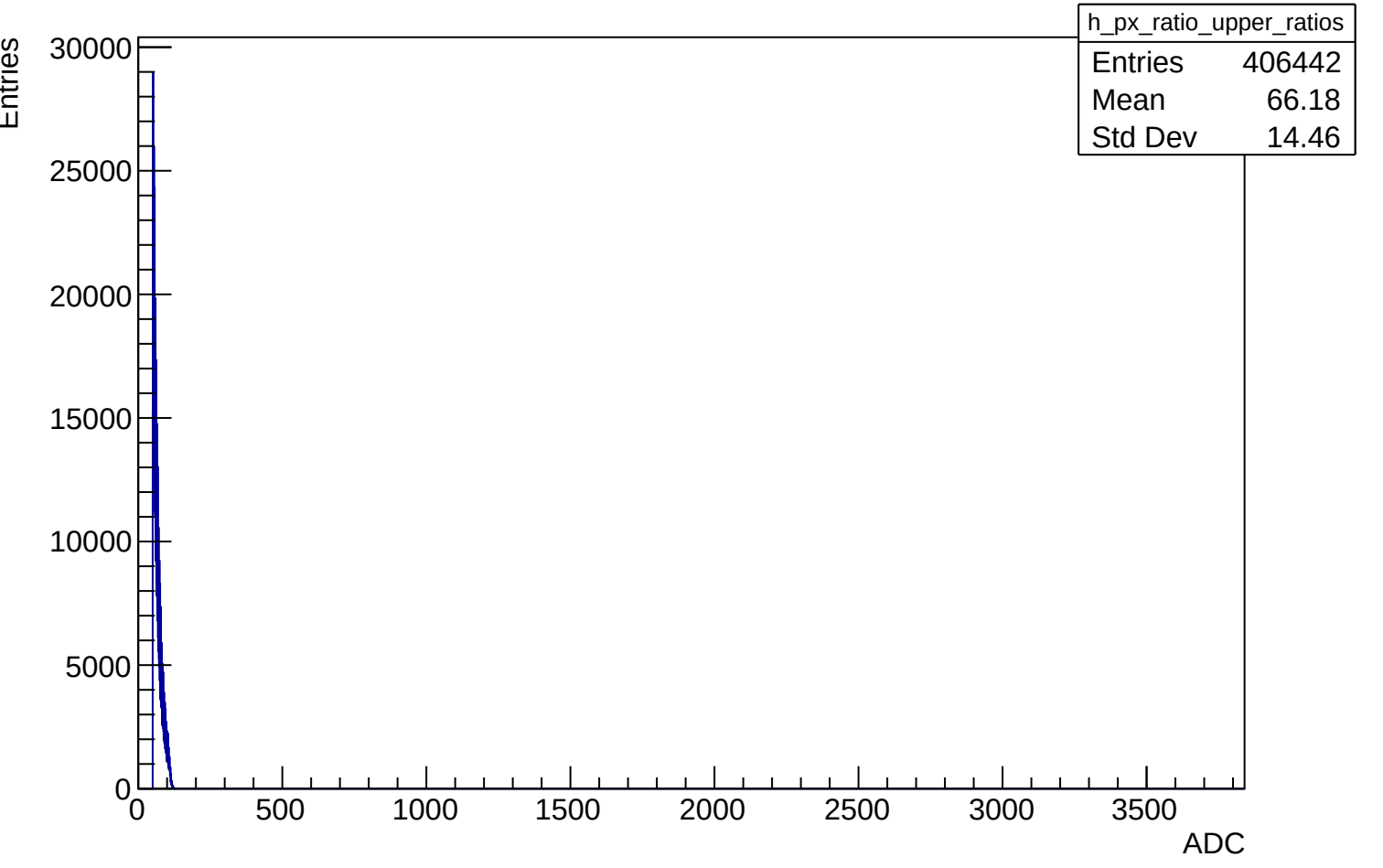

APV13 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 114285
Mean 271.6
Std Dev 130.3
Entries
0
200
400
600
800
1000
0
500
1000
1500
2000
2500
3000
3500
ADC

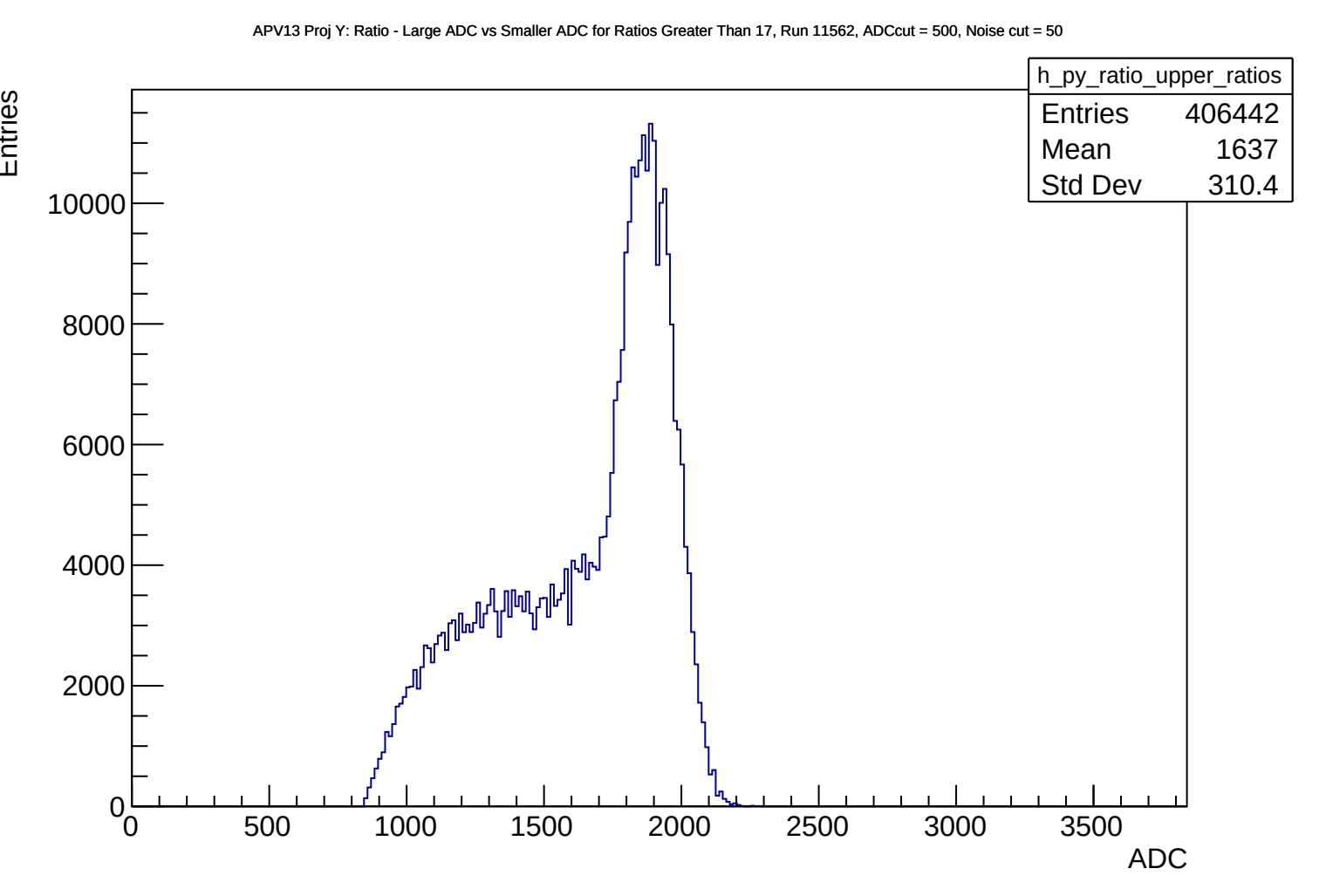

APV13 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 114285
Mean 1057
Std Dev 471.5
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500

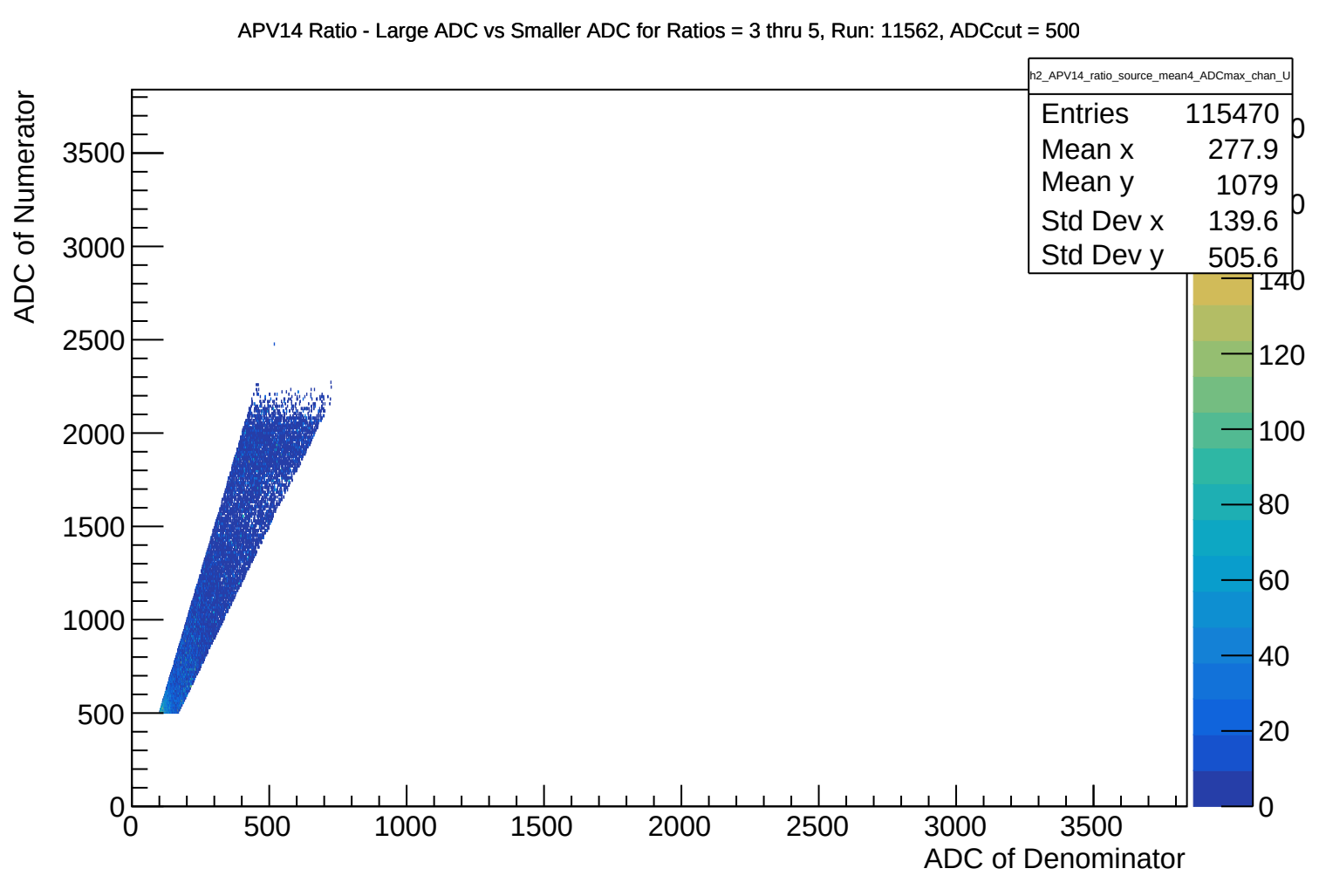

APV13 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 412392
Mean 117.5
Std Dev 55.55
Entries)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

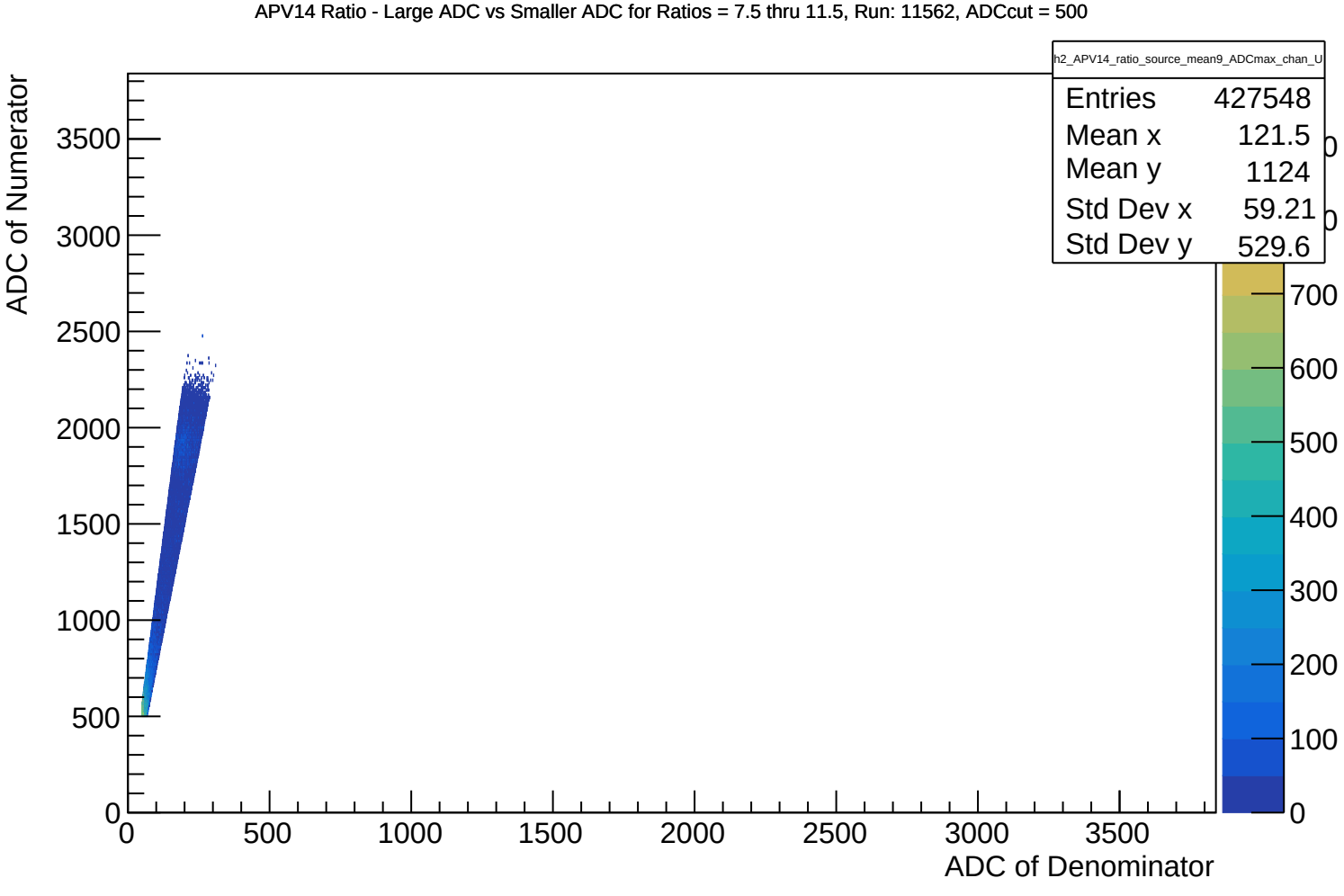

APV13 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 412392
Mean 1097
Std Dev 504.8
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

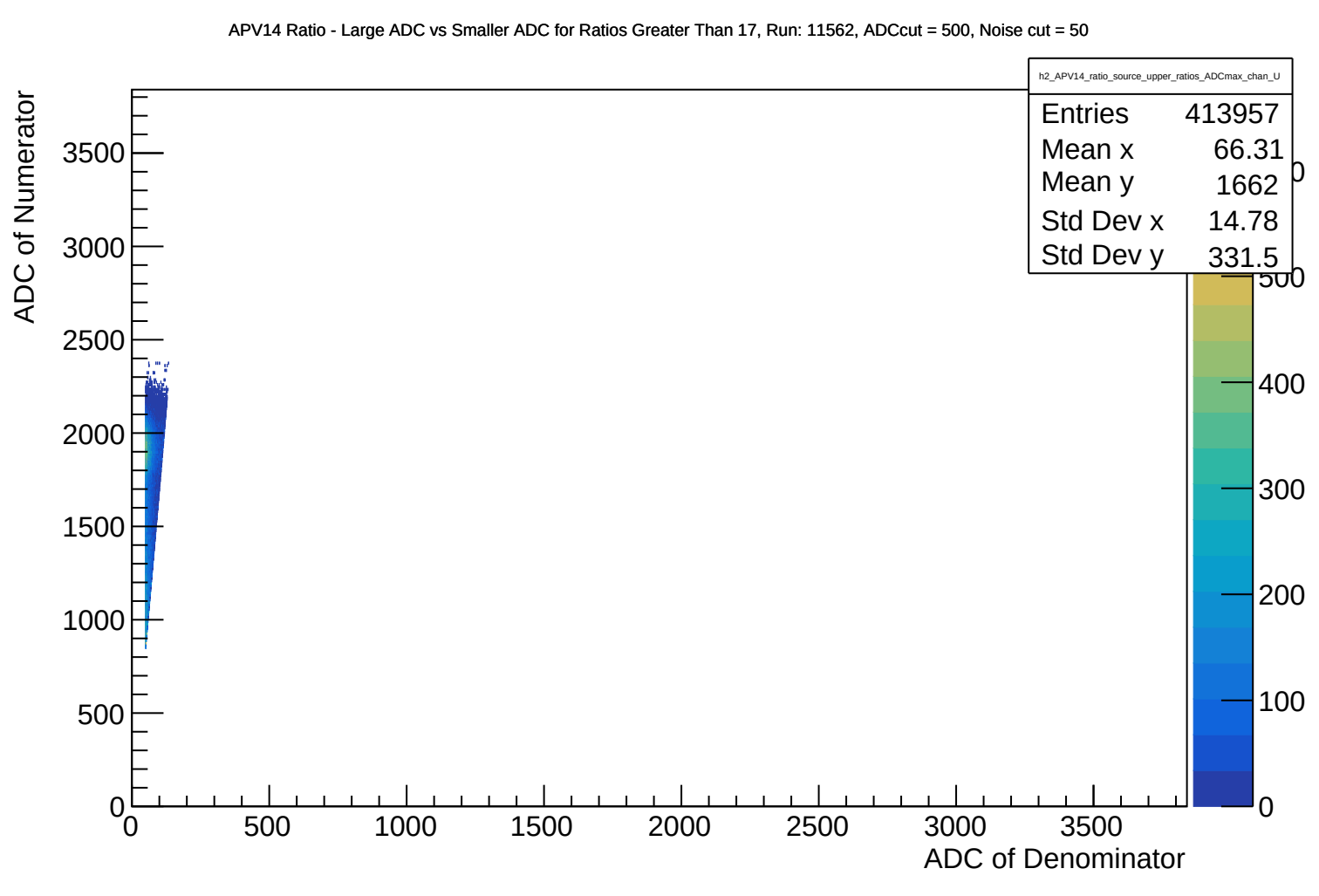
APV13 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

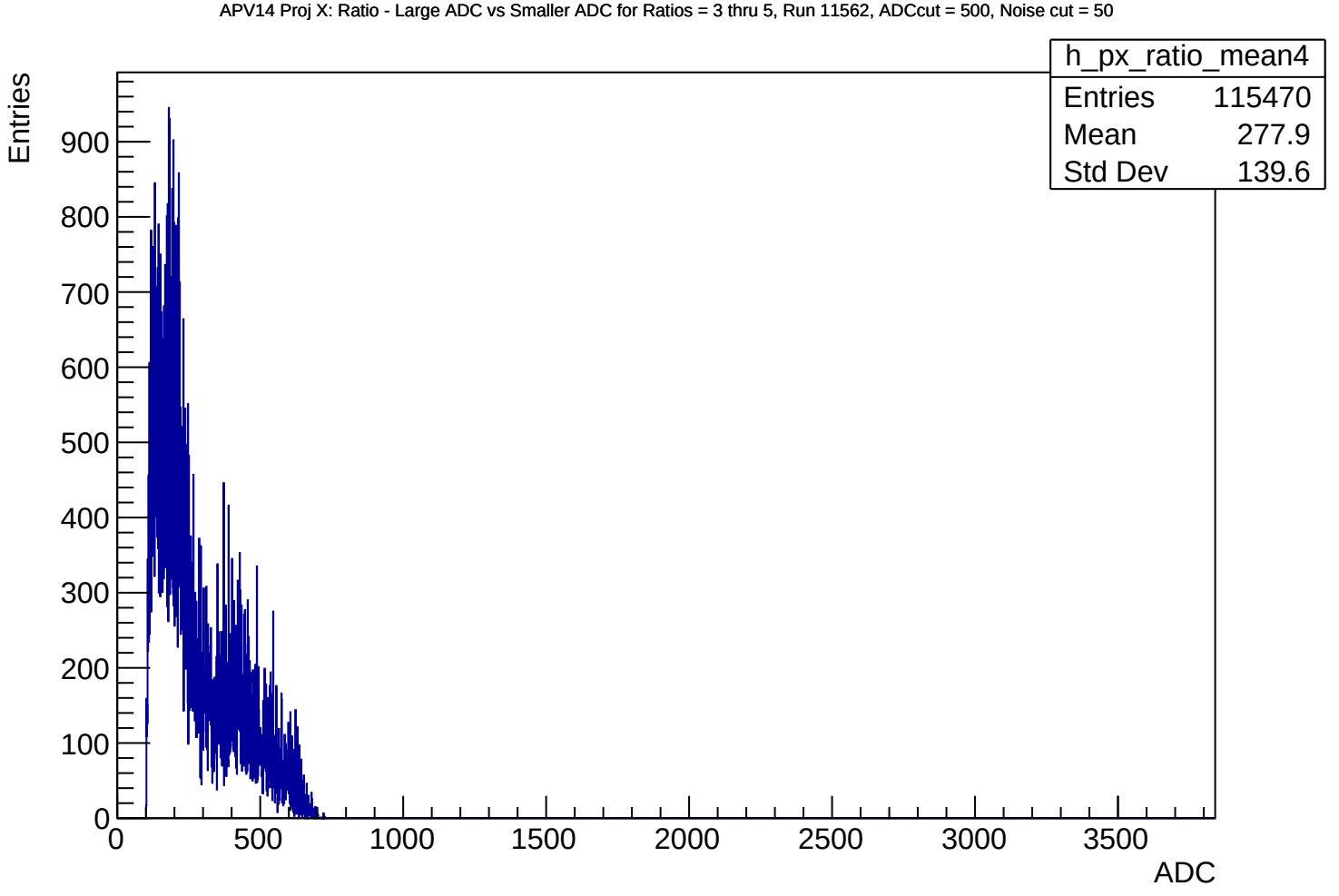


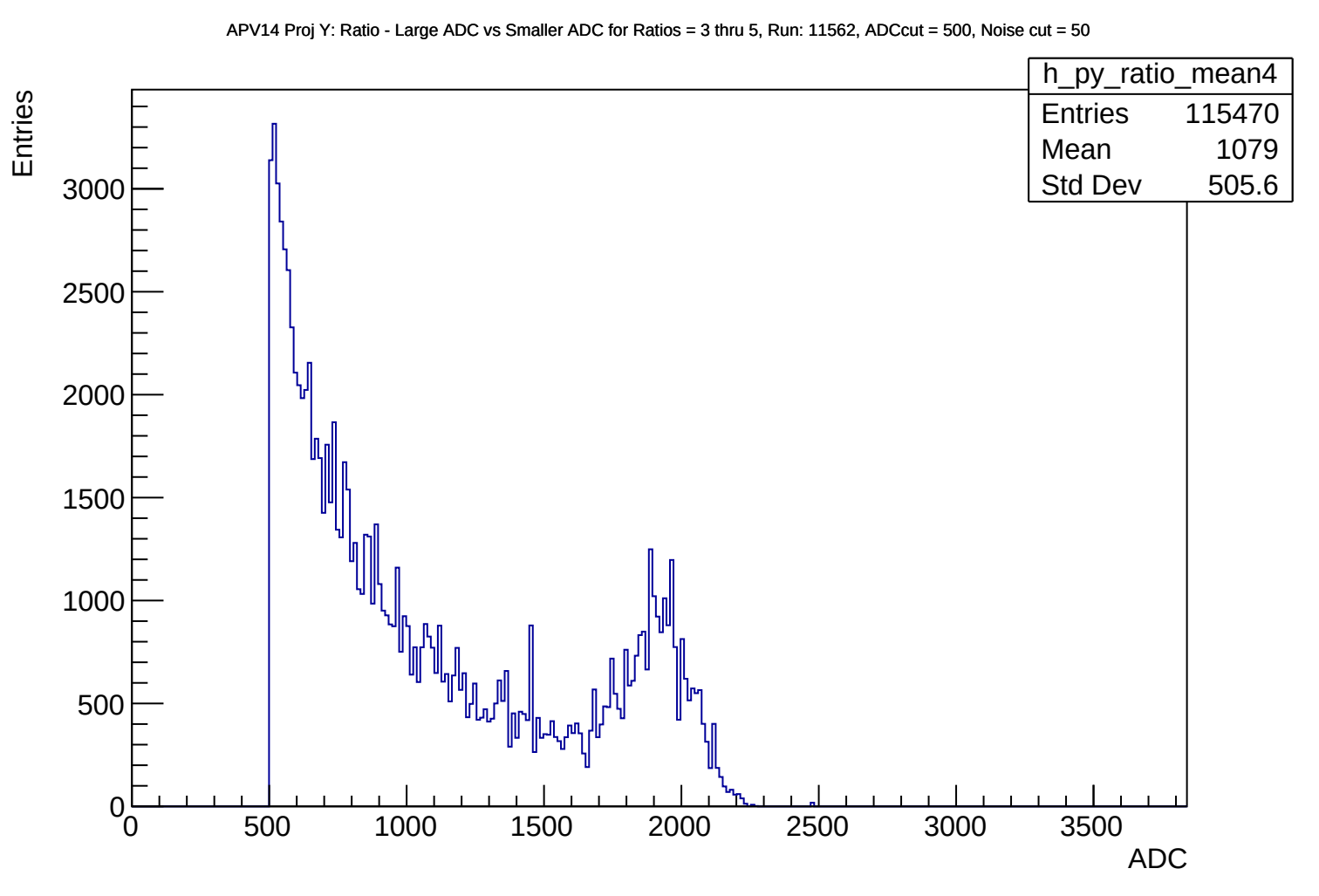

APV13 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 406442
Mean 1637
Std Dev 310.4
Entries
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

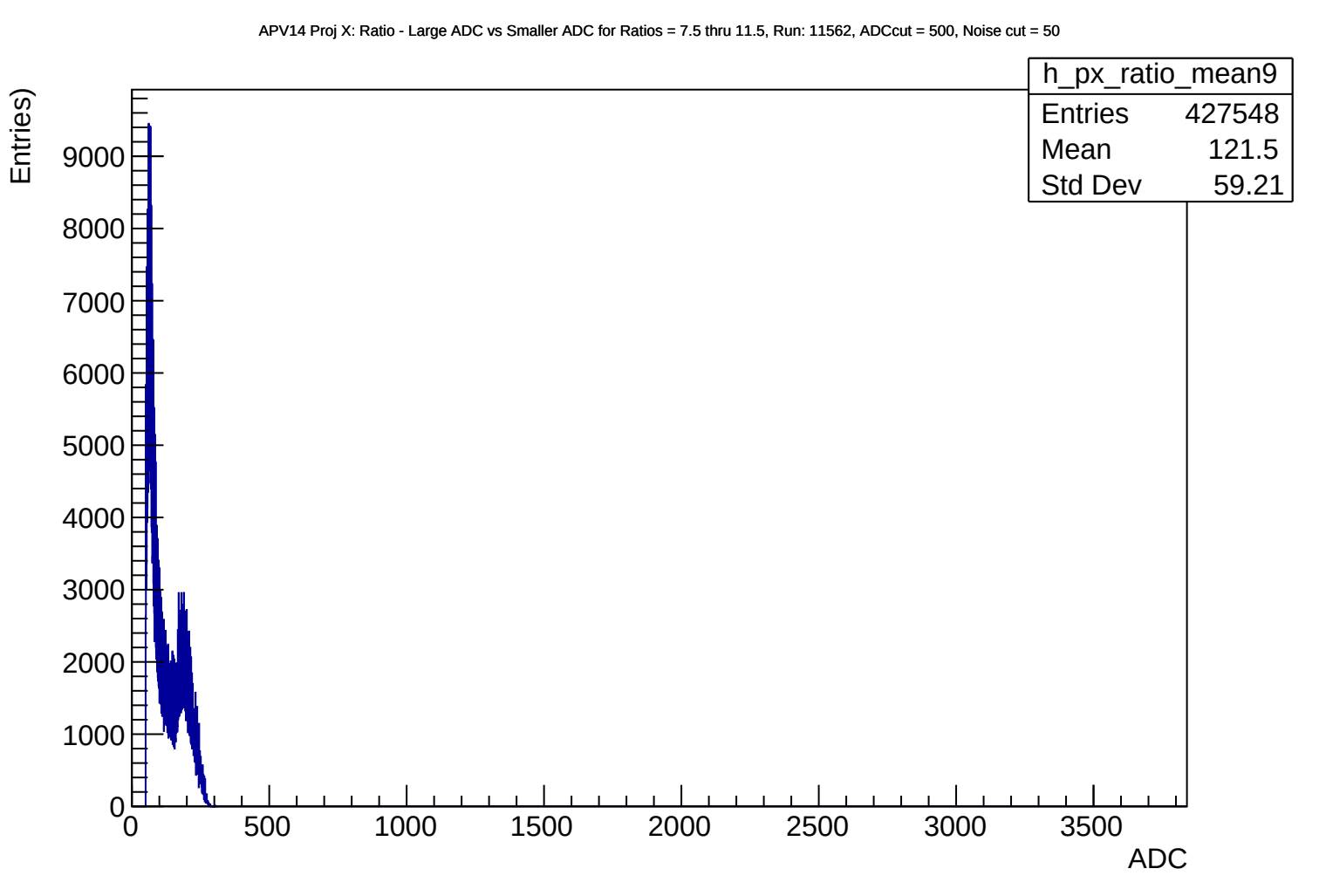

APV14 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV14_ratio_source_mean4_ADCmax_chan_U
Entries 115470
Mean x 277.9
Mean y 1079
Std Dev x 139.6
Std Dev y 505.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140

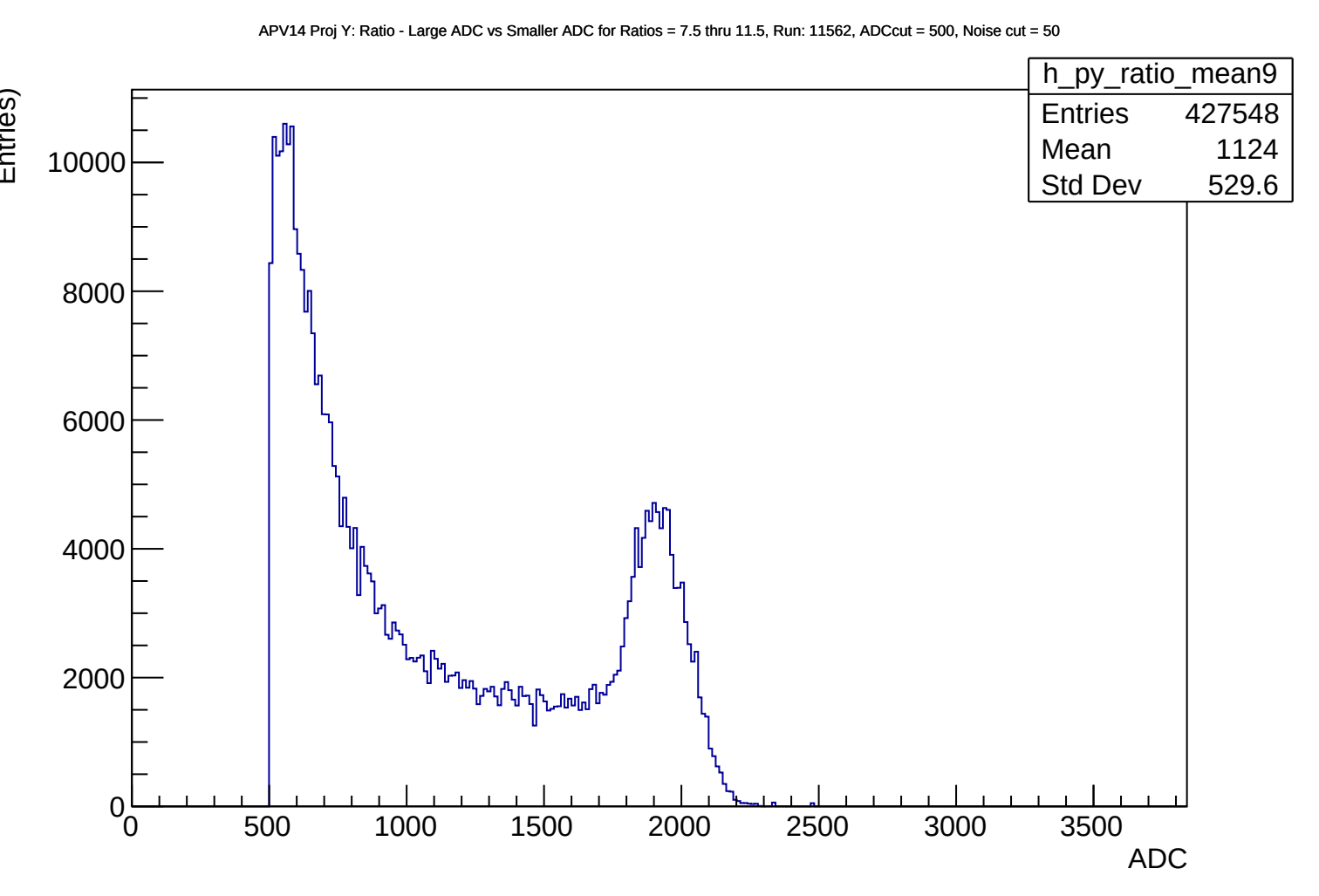

APV14 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV14_ratio_source_mean9_ADCmax_chan_U
Entries 427548
Mean x 121.5
Mean y 1124
Std Dev x 59.21
Std Dev y 529.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600
700


APV14 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV14_ratio_source_upper_ratios_ADCmax_chan_U
Entries 413957
Mean x 66.31
Mean y 1662
Std Dev x 14.78
Std Dev y 331.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

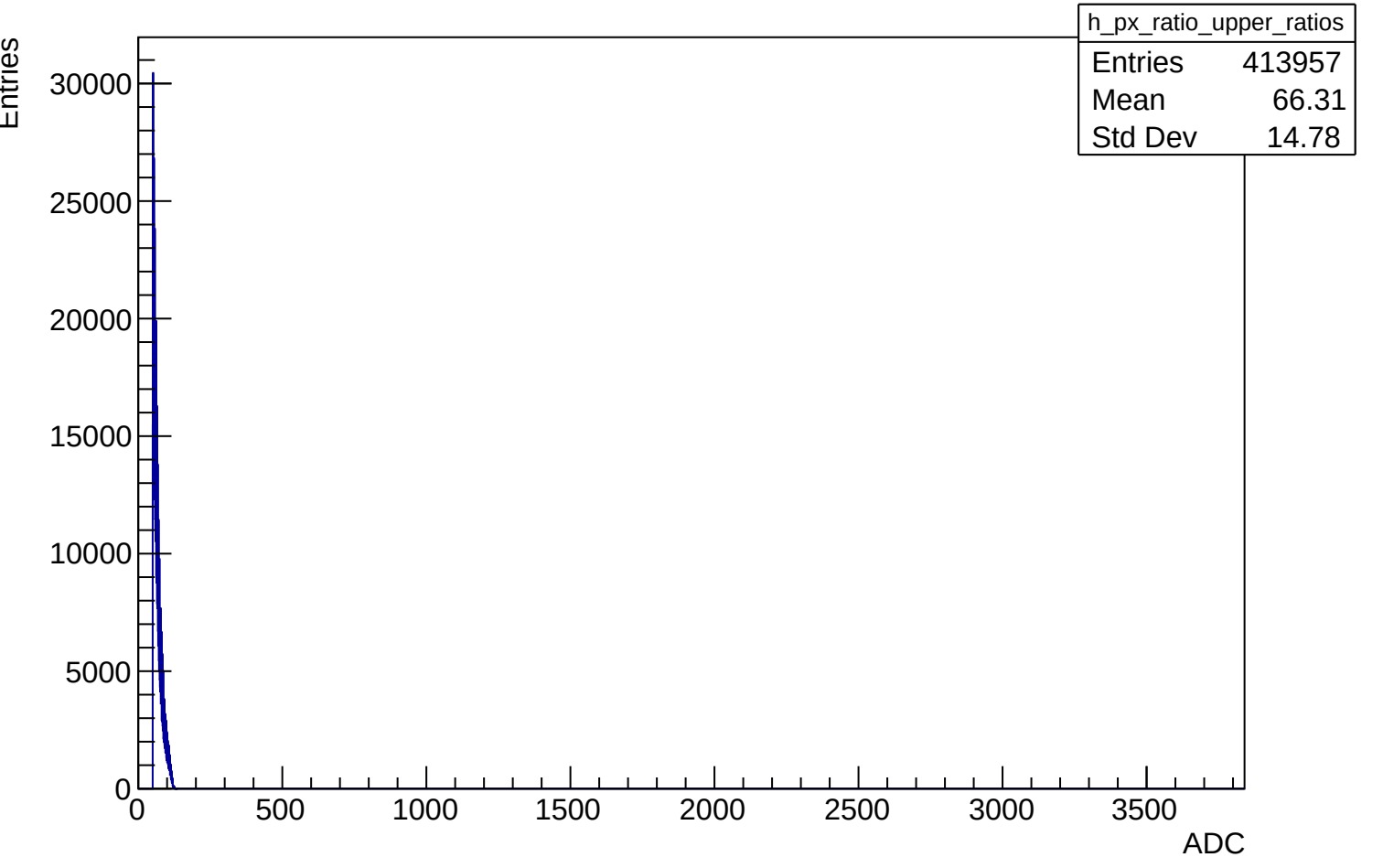

APV14 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 115470
Mean 277.9
Std Dev 139.6
Entries
0
100
200
300
400
500
600
700
800
900
0
500
1000
1500
2000
2500
3000
3500
ADC

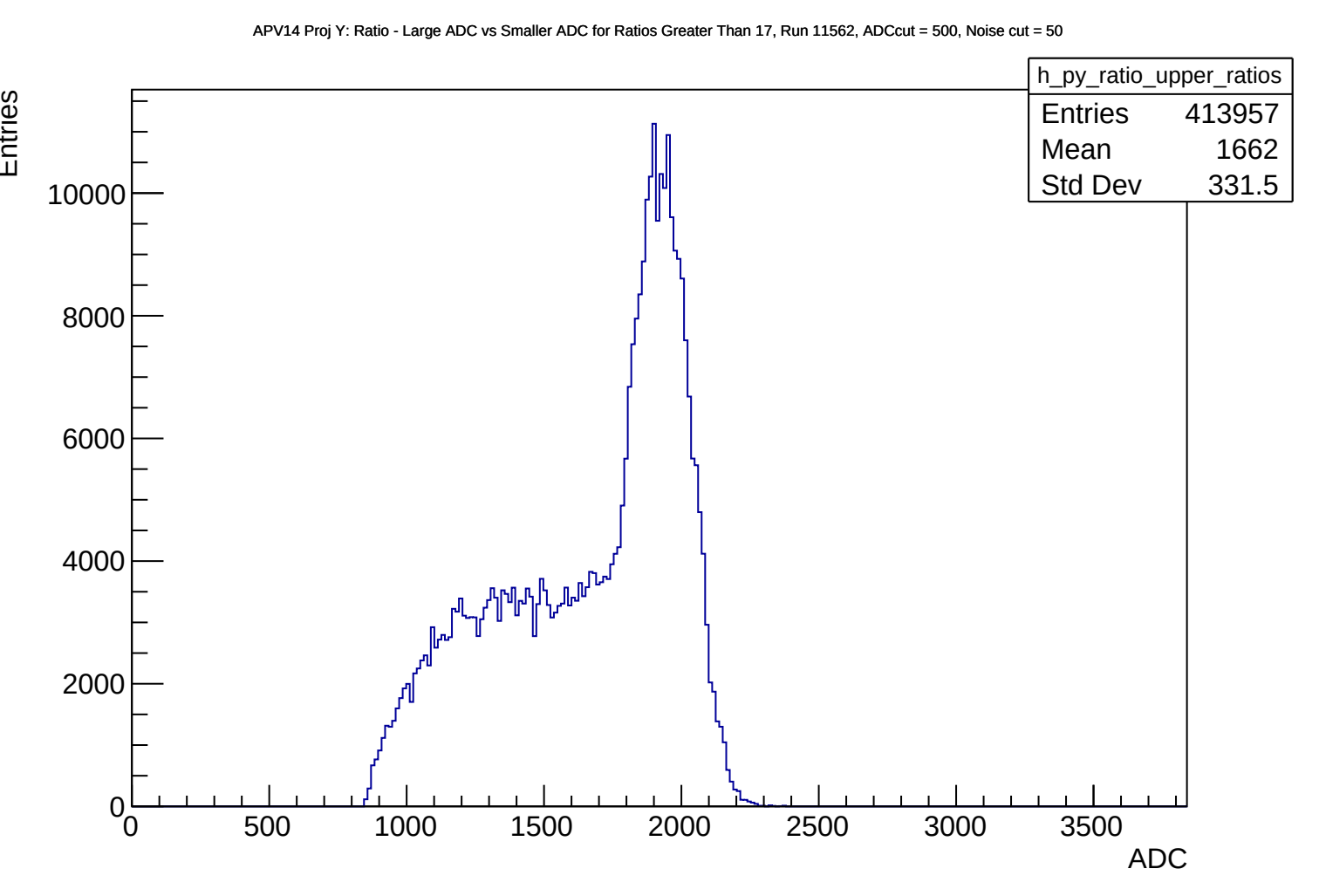

APV14 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 115470
Mean 1079
Std Dev 505.6
Entries
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

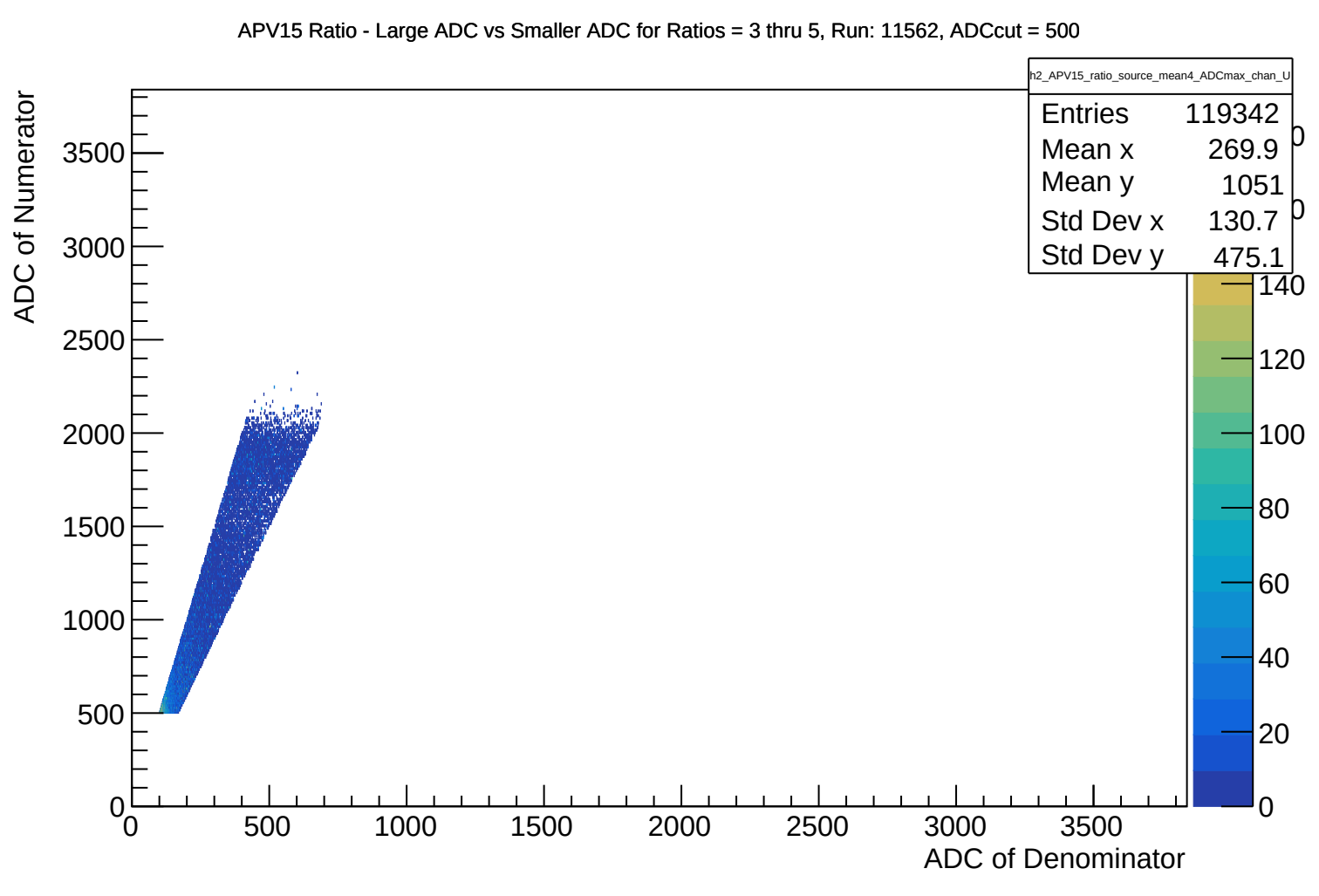

APV14 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 427548
Mean 121.5
Std Dev 59.21
Entries)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

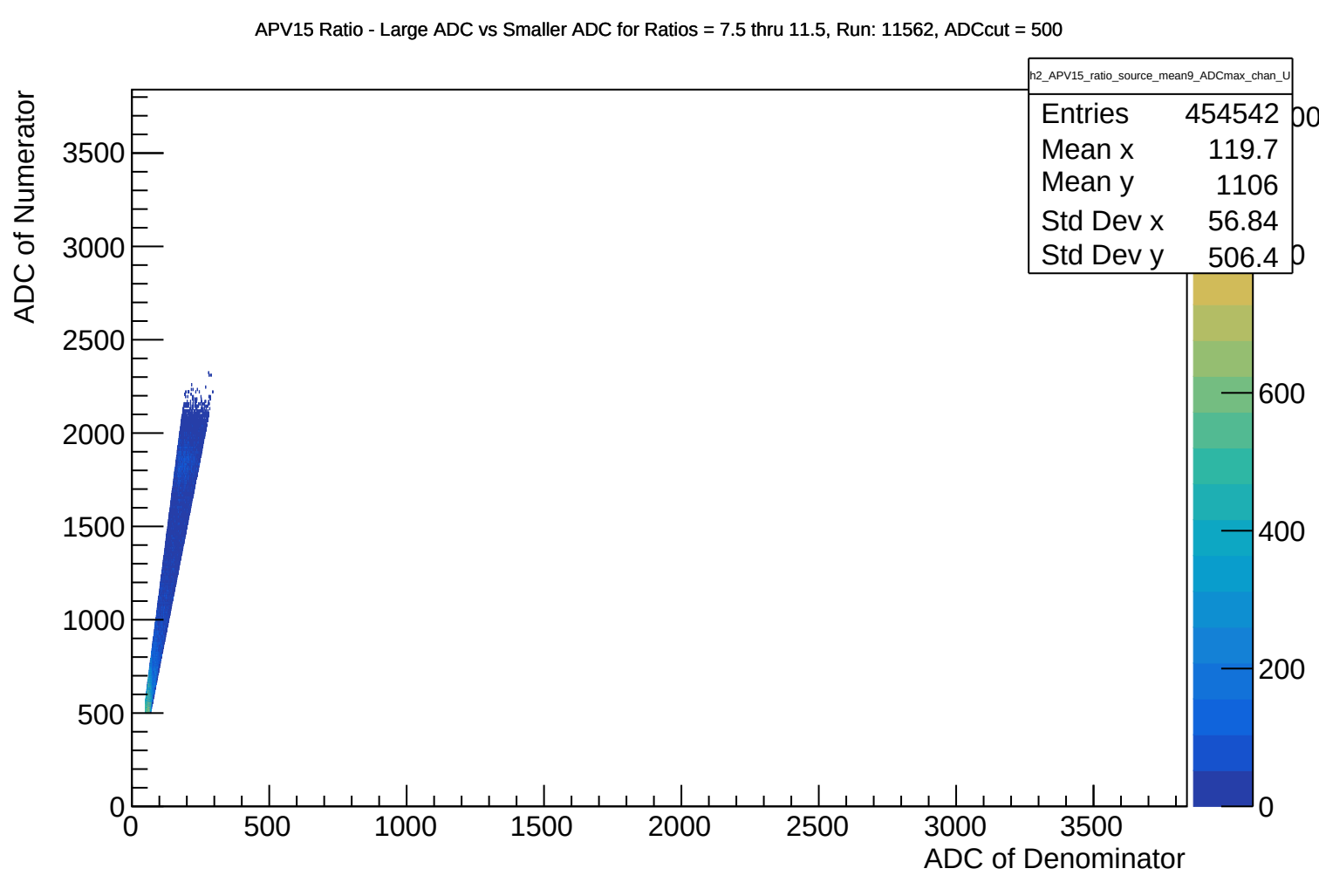

APV14 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 427548
Mean 1124
Std Dev 529.6
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

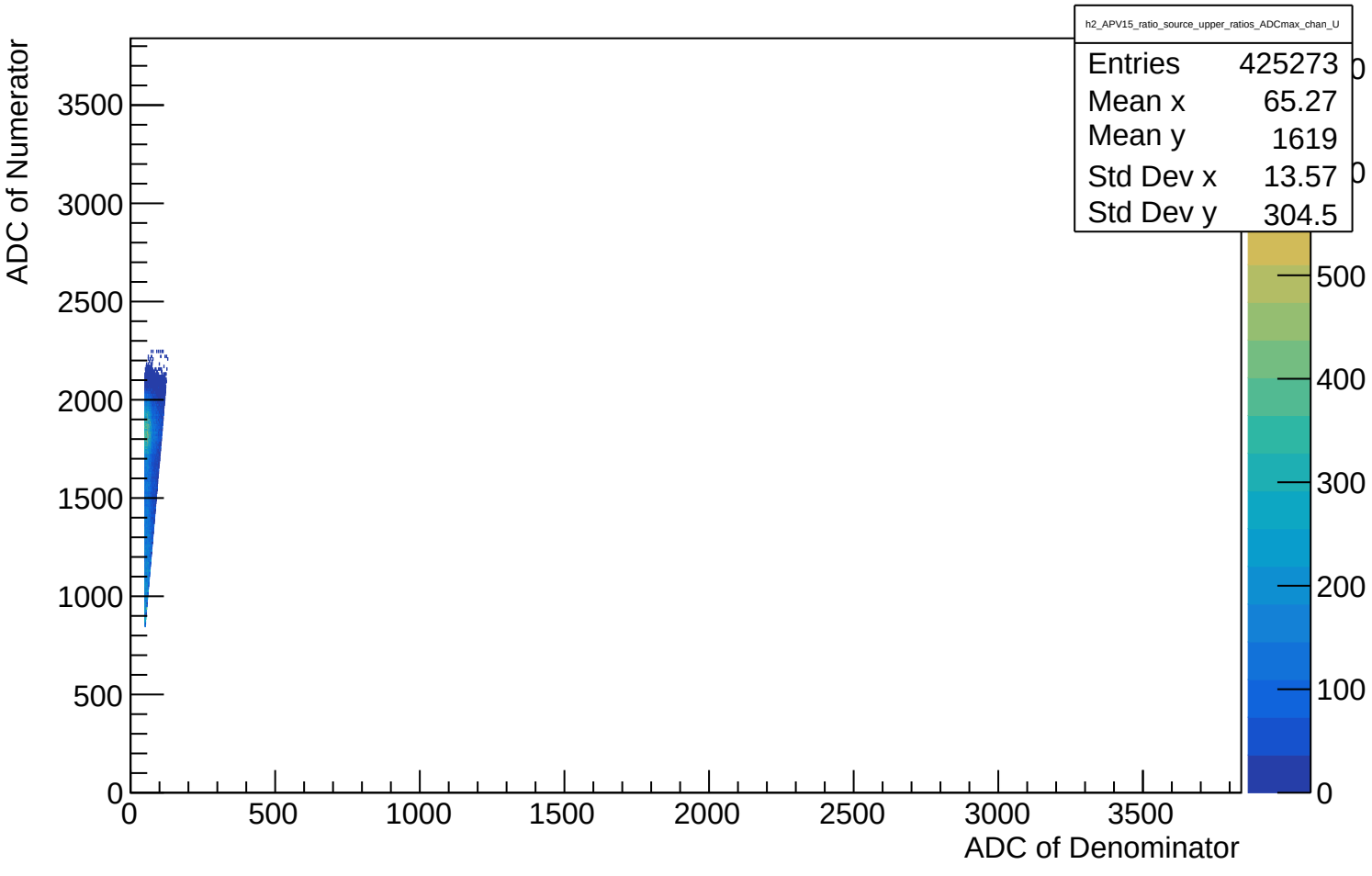
APV14 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

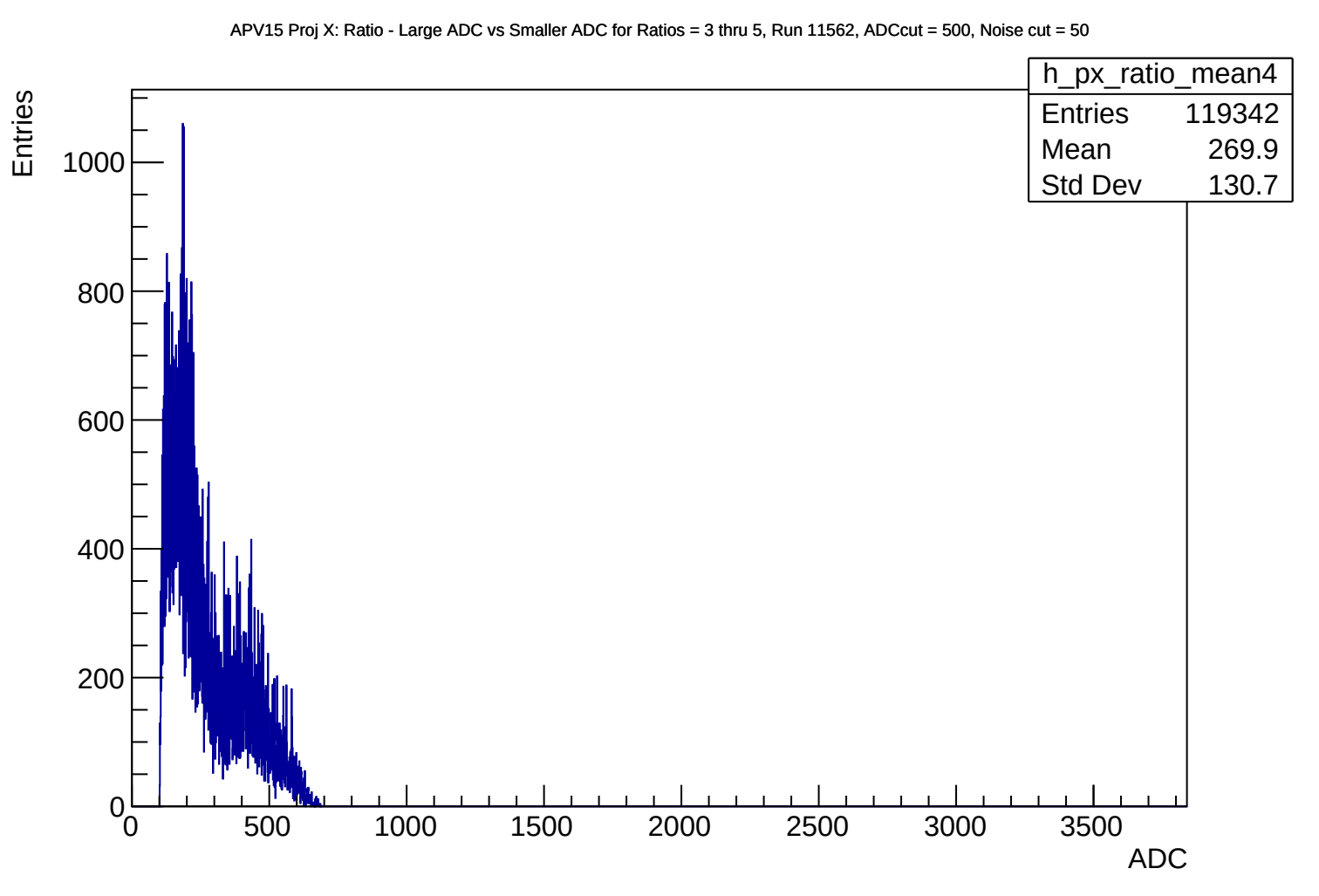


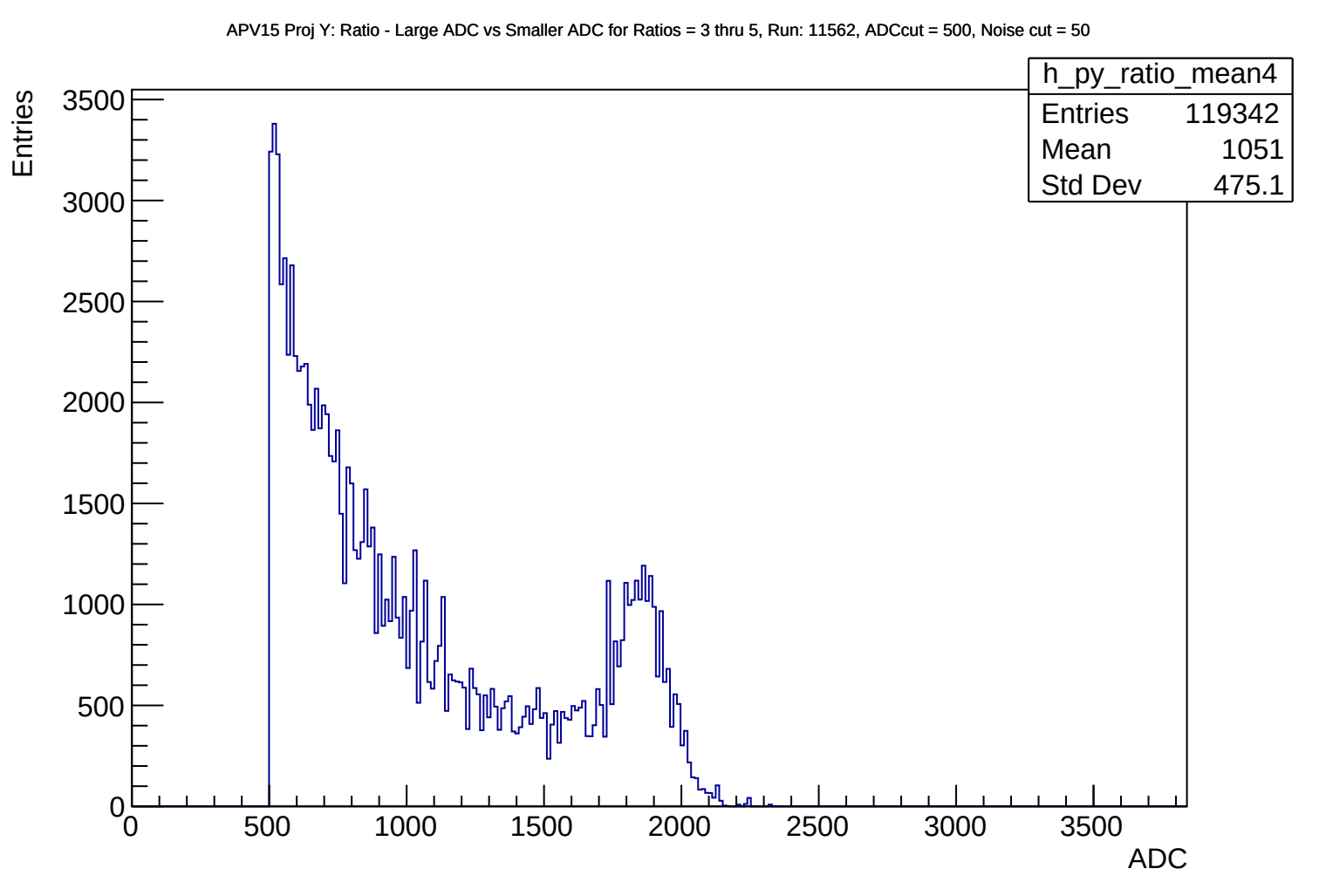

APV14 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 413957
Mean 1662
Std Dev 331.5
Entries
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

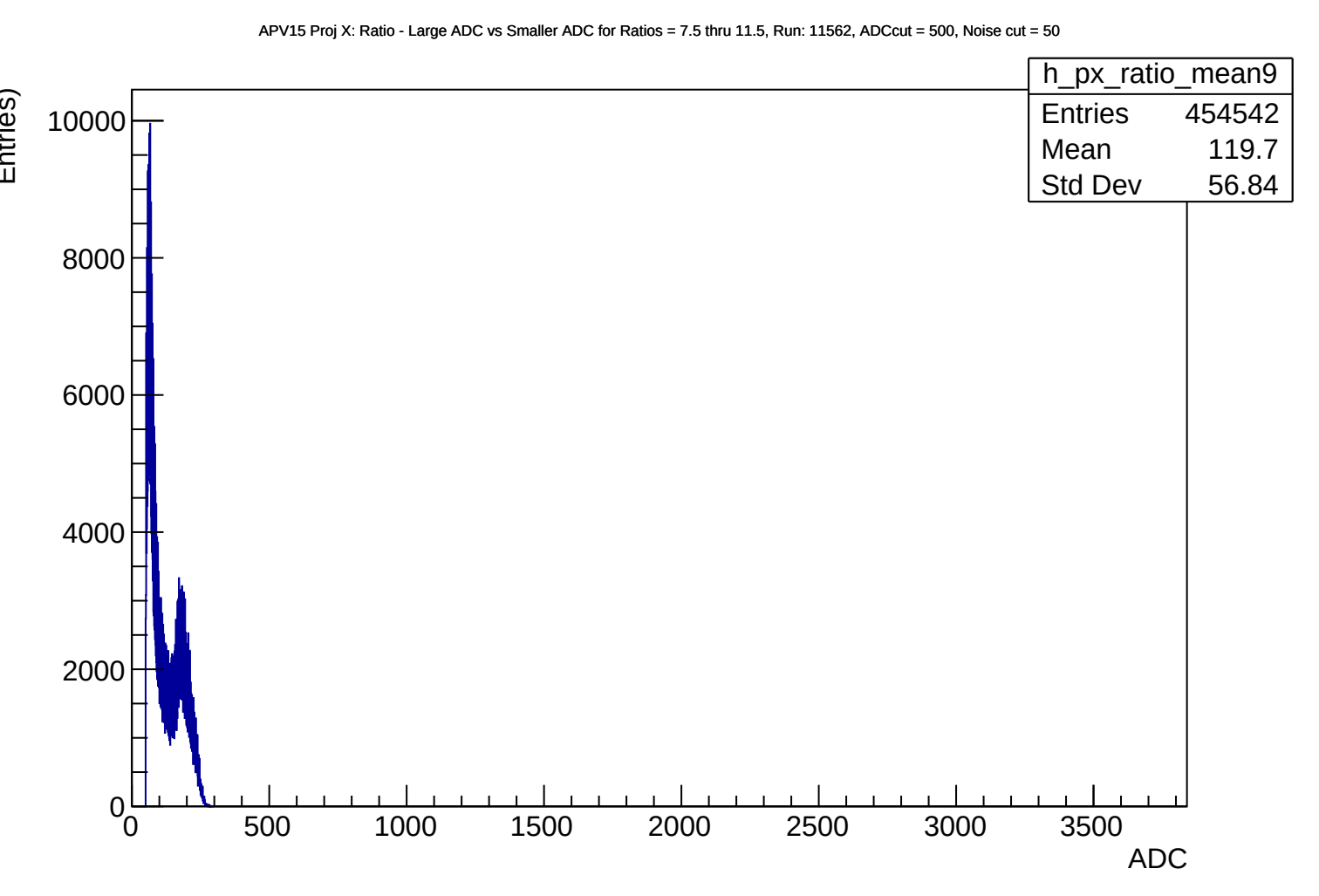

APV15 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV15_ratio_source_mean4_ADCmax_chan_U
Entries 119342
Mean x 269.9
Mean y 1051
Std Dev x 130.7
Std Dev y 475.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140

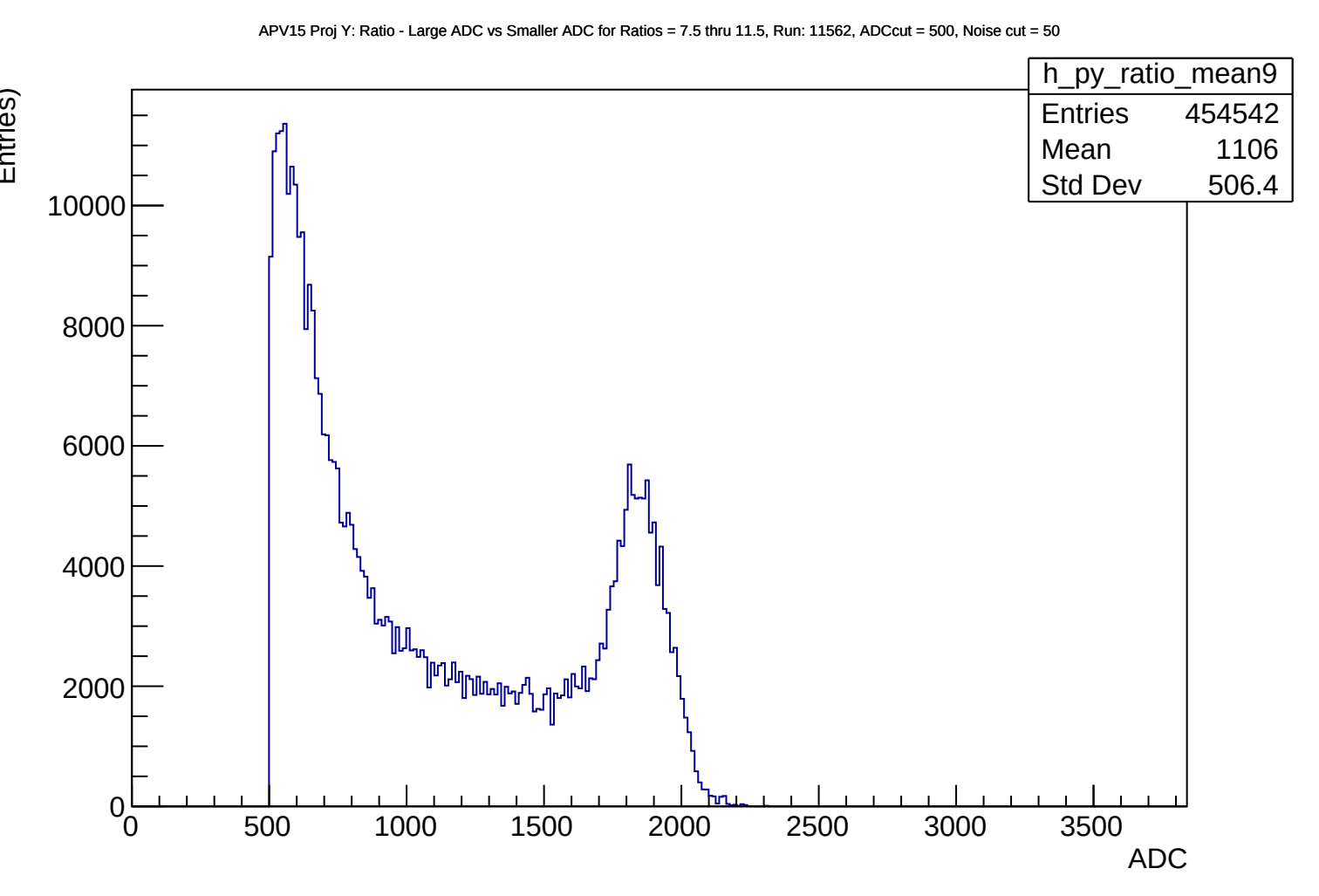

APV15 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV15_ratio_source_mean9_ADCmax_chan_U
Entries 454542
Mean x 119.7
Mean y 1106
Std Dev x 56.84
Std Dev y 506.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600


APV15 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV15_ratio_source_upper_ratios_ADCmax_chan_U
Entries 425273
Mean x 65.27
Mean y 1619
Std Dev x 13.57
Std Dev y 304.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

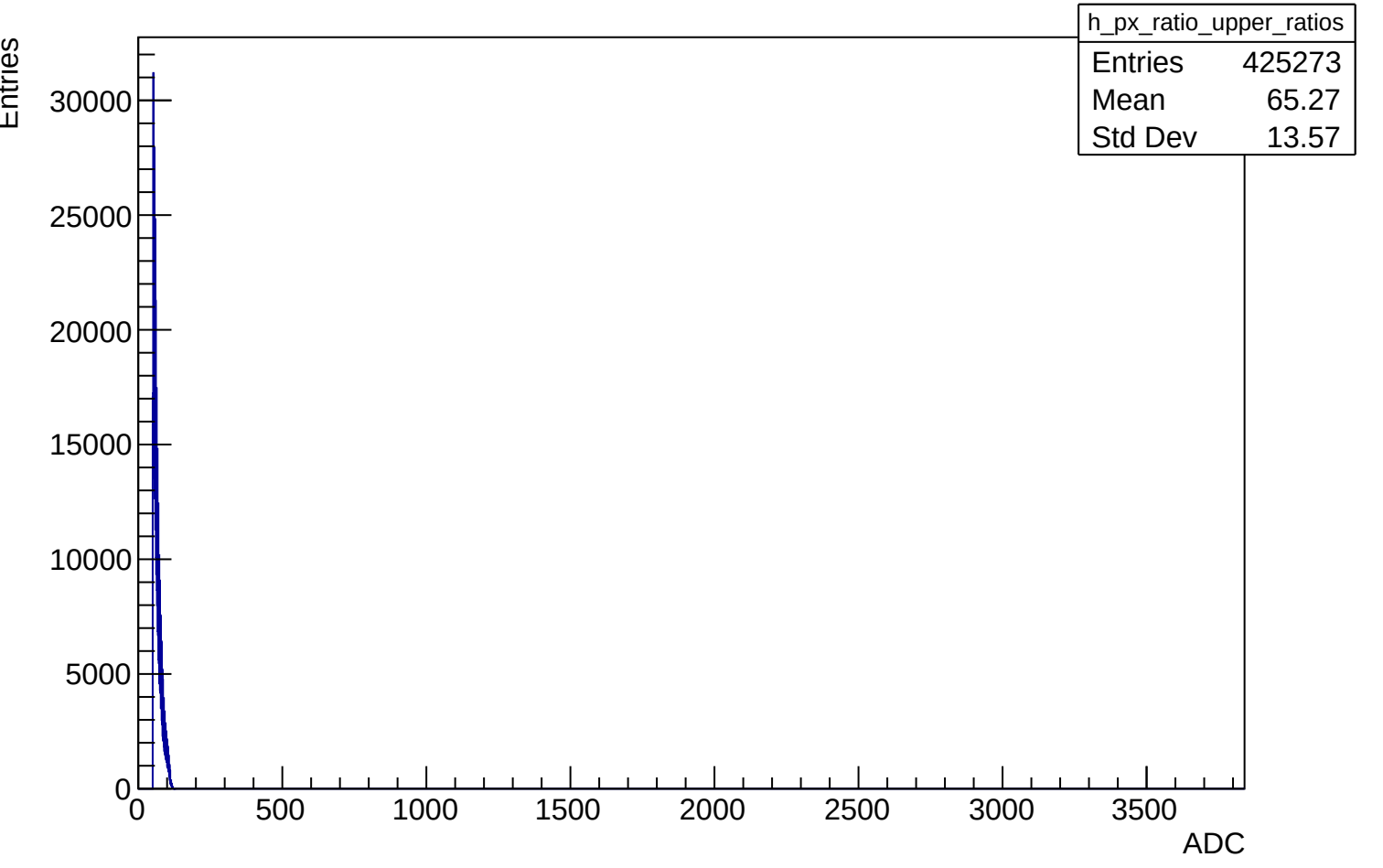

APV15 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 119342
Mean 269.9
Std Dev 130.7
Entries
0
200
400
600
800
1000
0
500
1000
1500
2000
2500
3000
3500
ADC

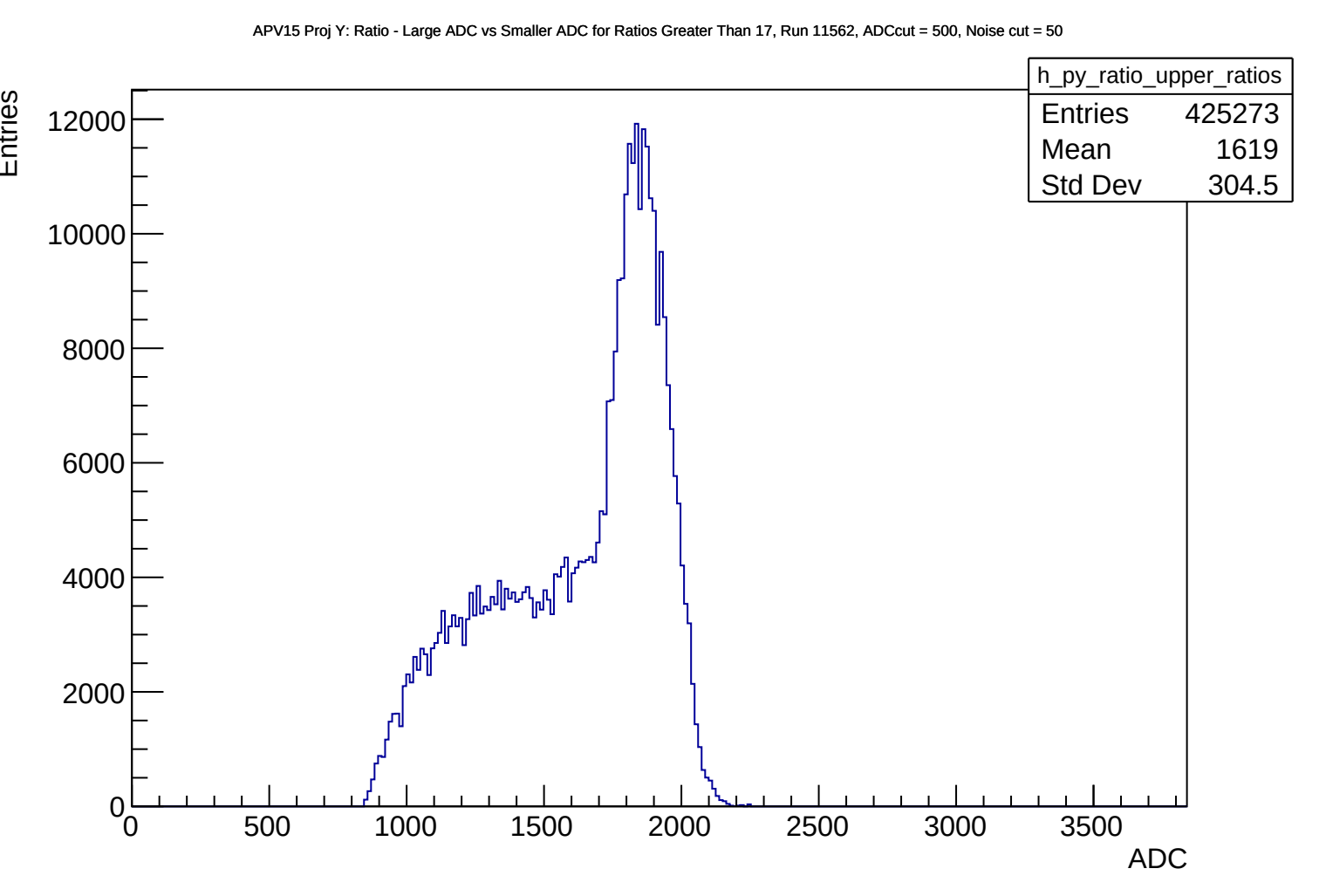

APV15 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 119342
Mean 1051
Std Dev 475.1
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500

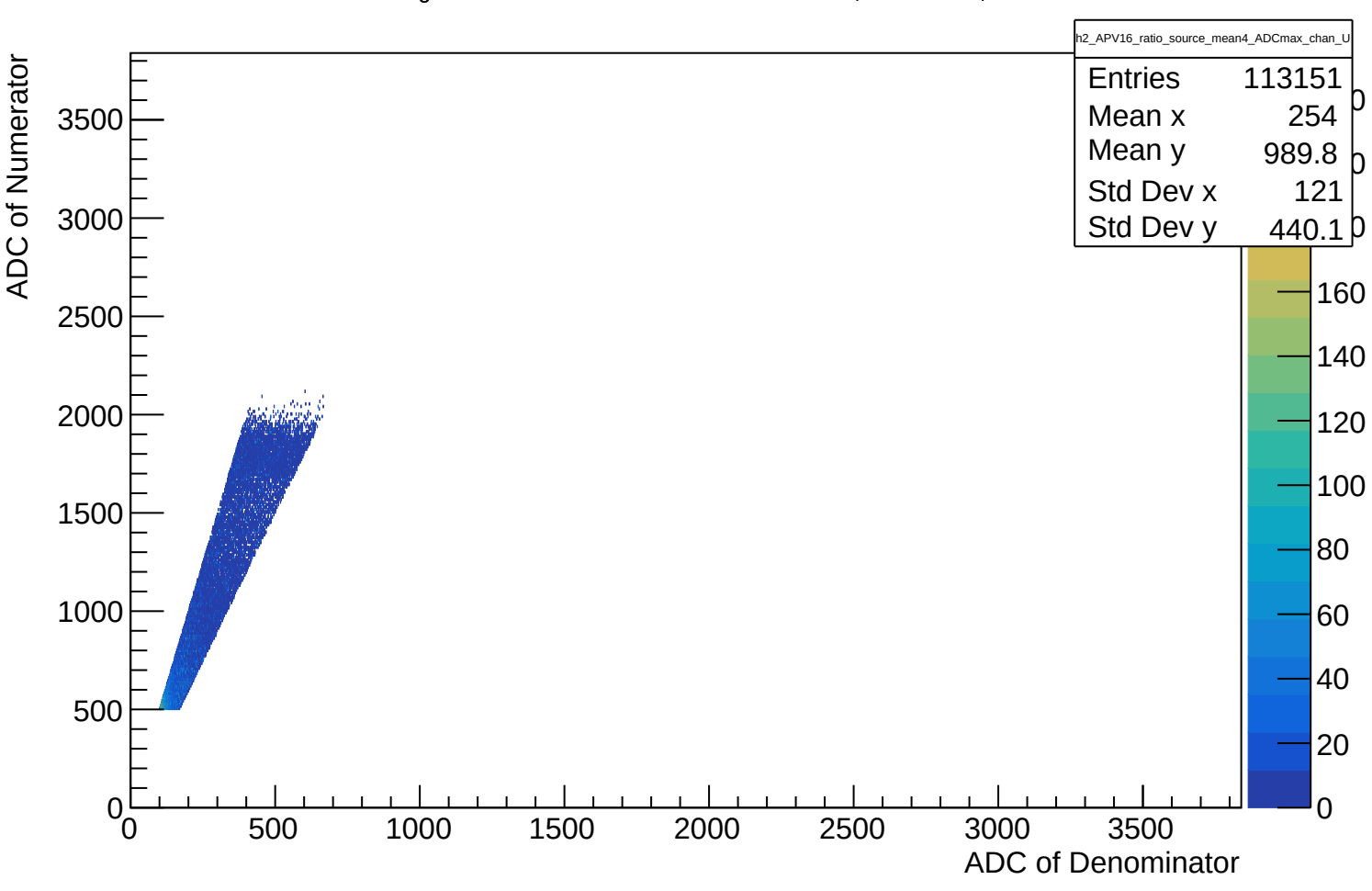

APV15 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 454542
Mean 119.7
Std Dev 56.84
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

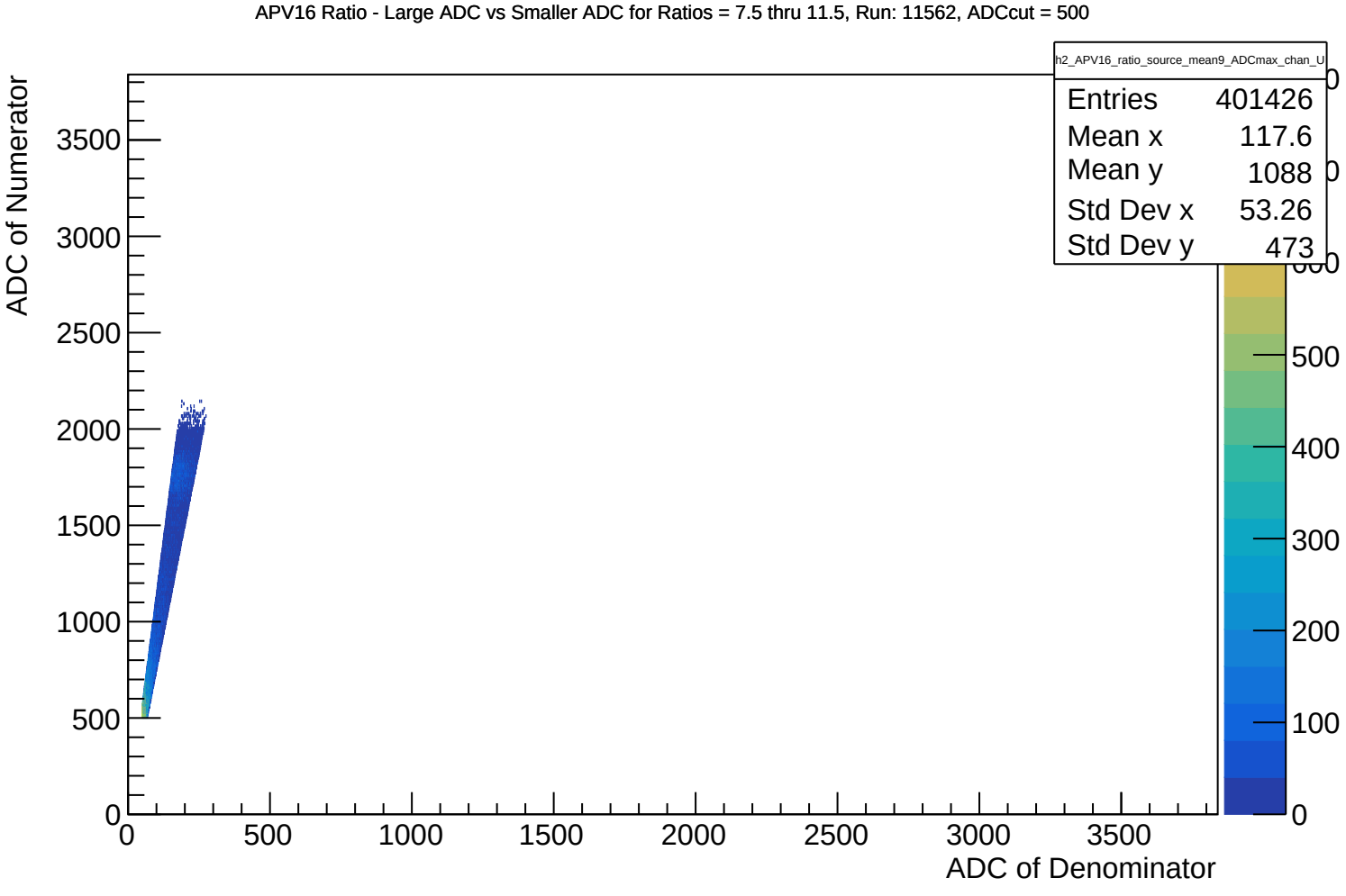

APV15 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 454542
Mean 1106
Std Dev 506.4
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

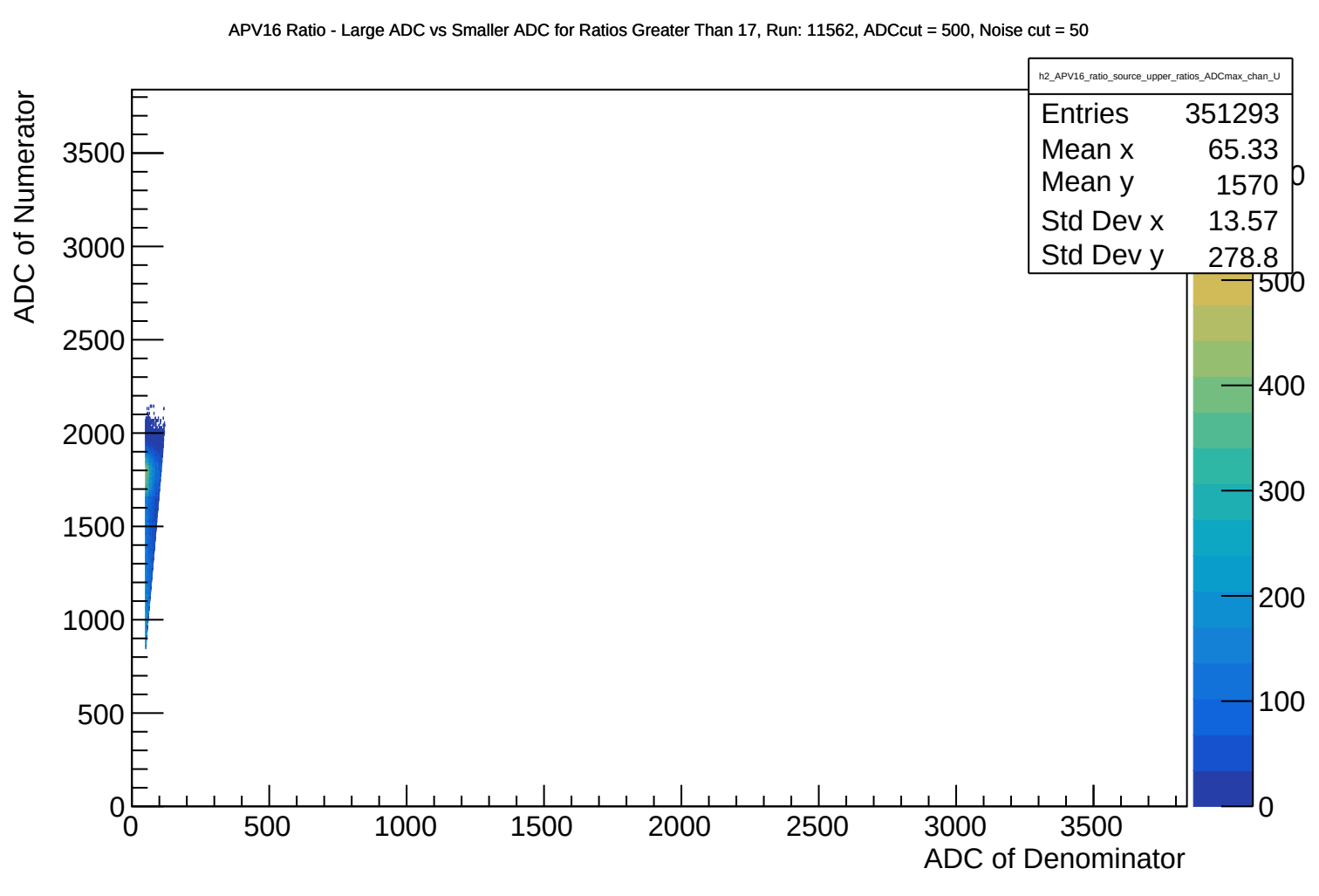
APV15 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

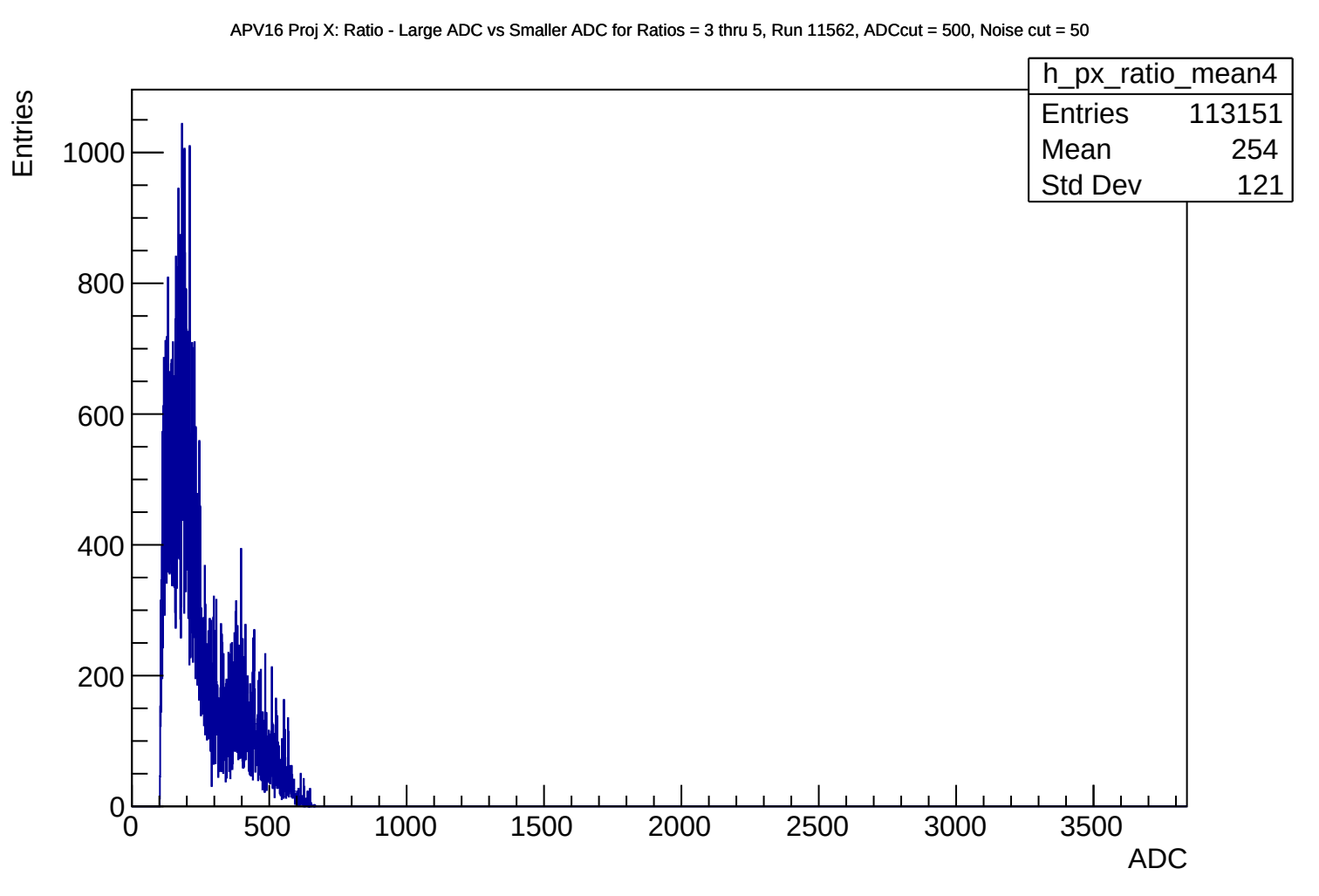


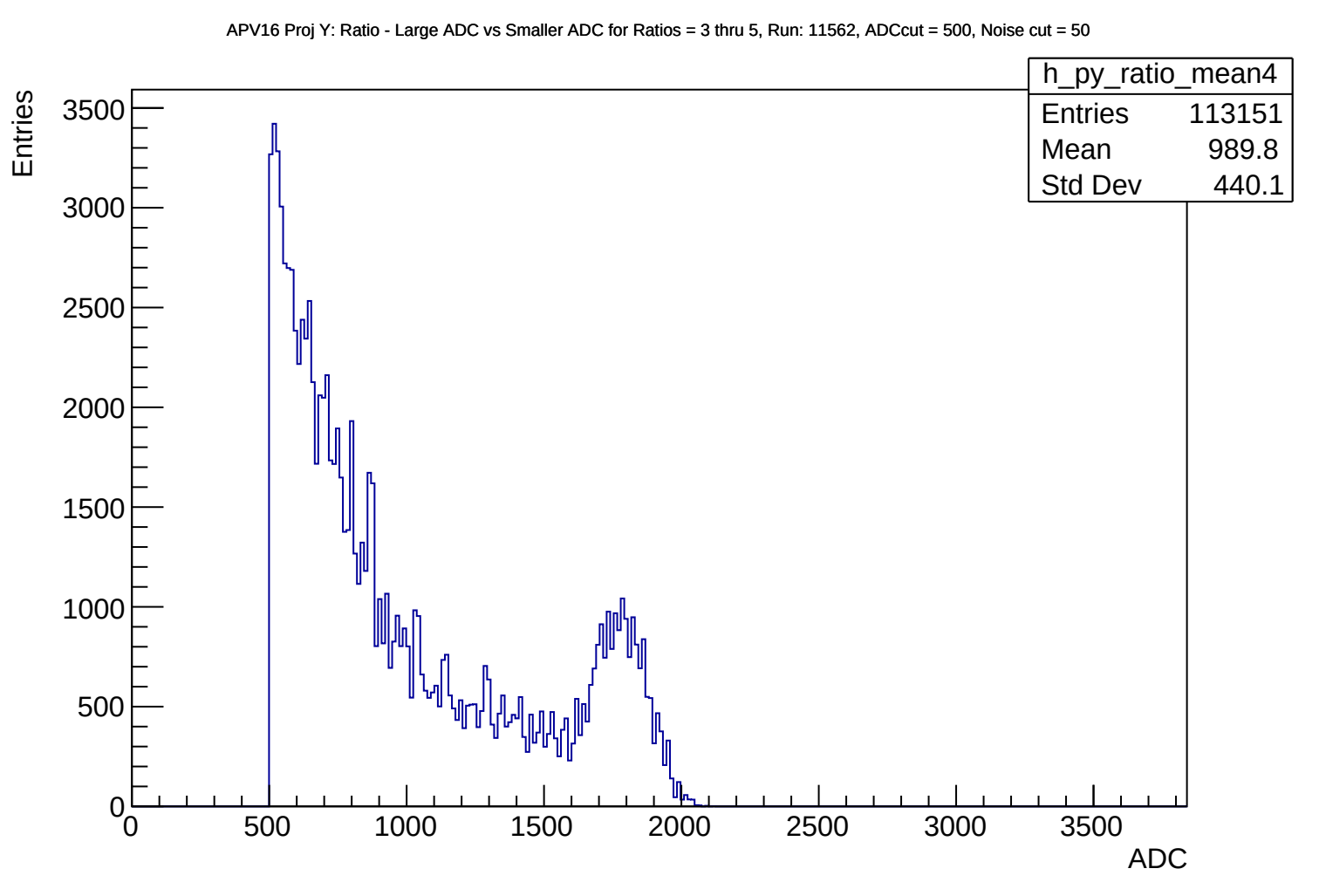

APV15 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 425273
Mean 1619
Std Dev 304.5
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

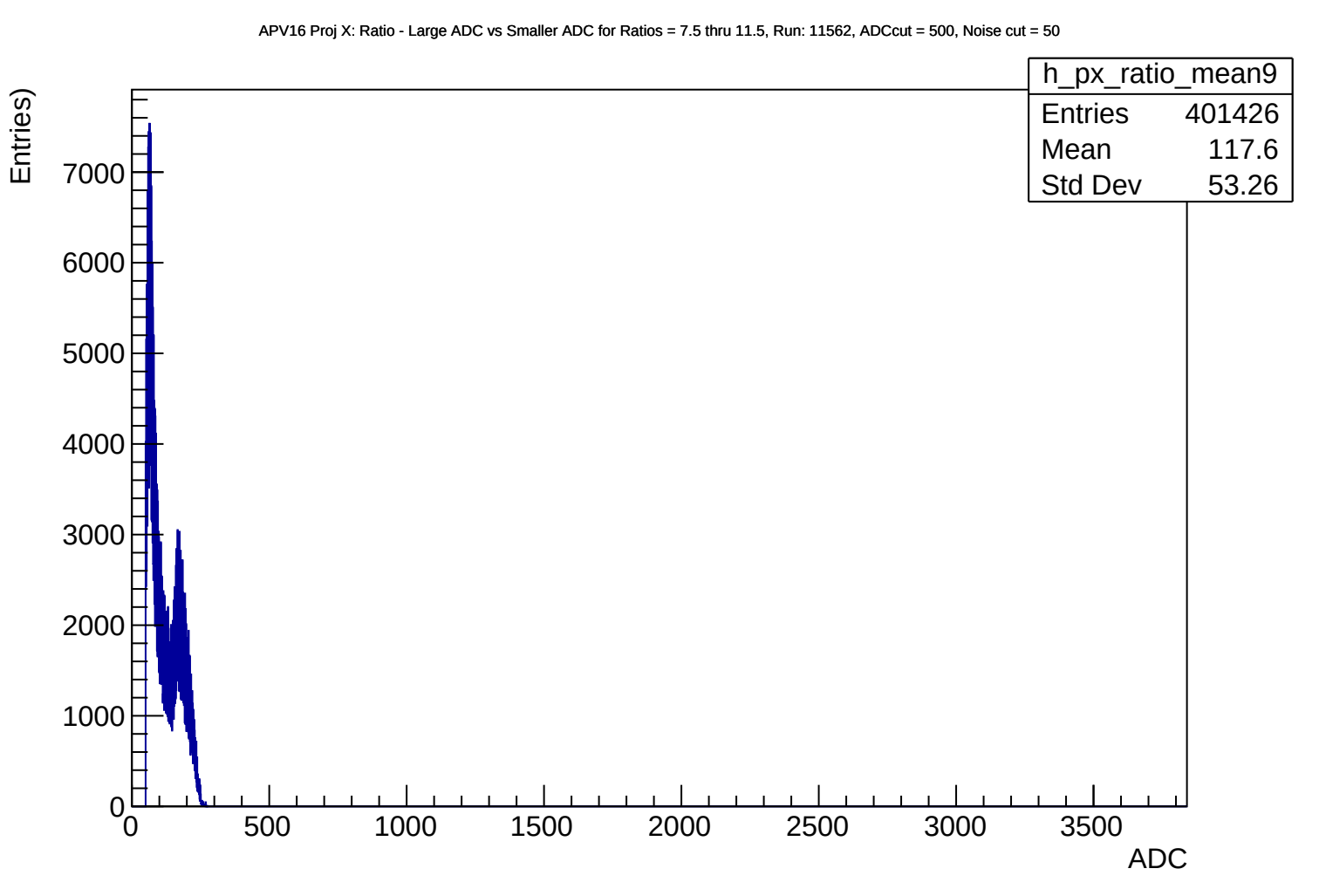

APV16 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV16_ratio_source_mean4_ADCmax_chan_U
Entries 113151
Mean x 254
Mean y 989.8
Std Dev x 121
Std Dev y 440.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140
160

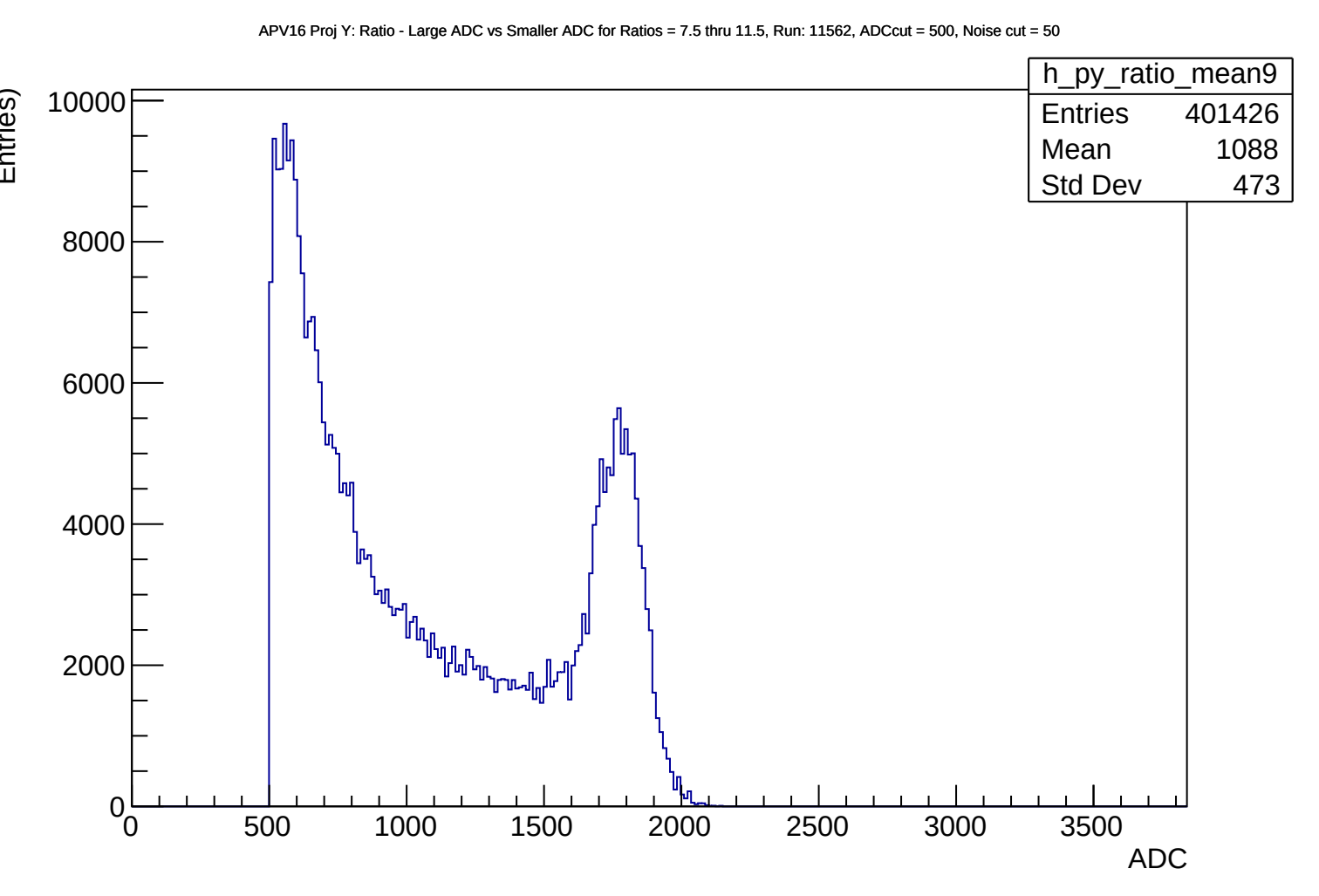

APV16 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV16_ratio_source_mean9_ADCmax_chan_U
Entries 401426
Mean x 117.6
Mean y 1088
Std Dev x 53.26
Std Dev y 473
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
500
600


APV16 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV16_ratio_source_upper_ratios_ADCmax_chan_U
Entries 351293
Mean x 65.33
Mean y 1570
Std Dev x 13.57
Std Dev y 278.8
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

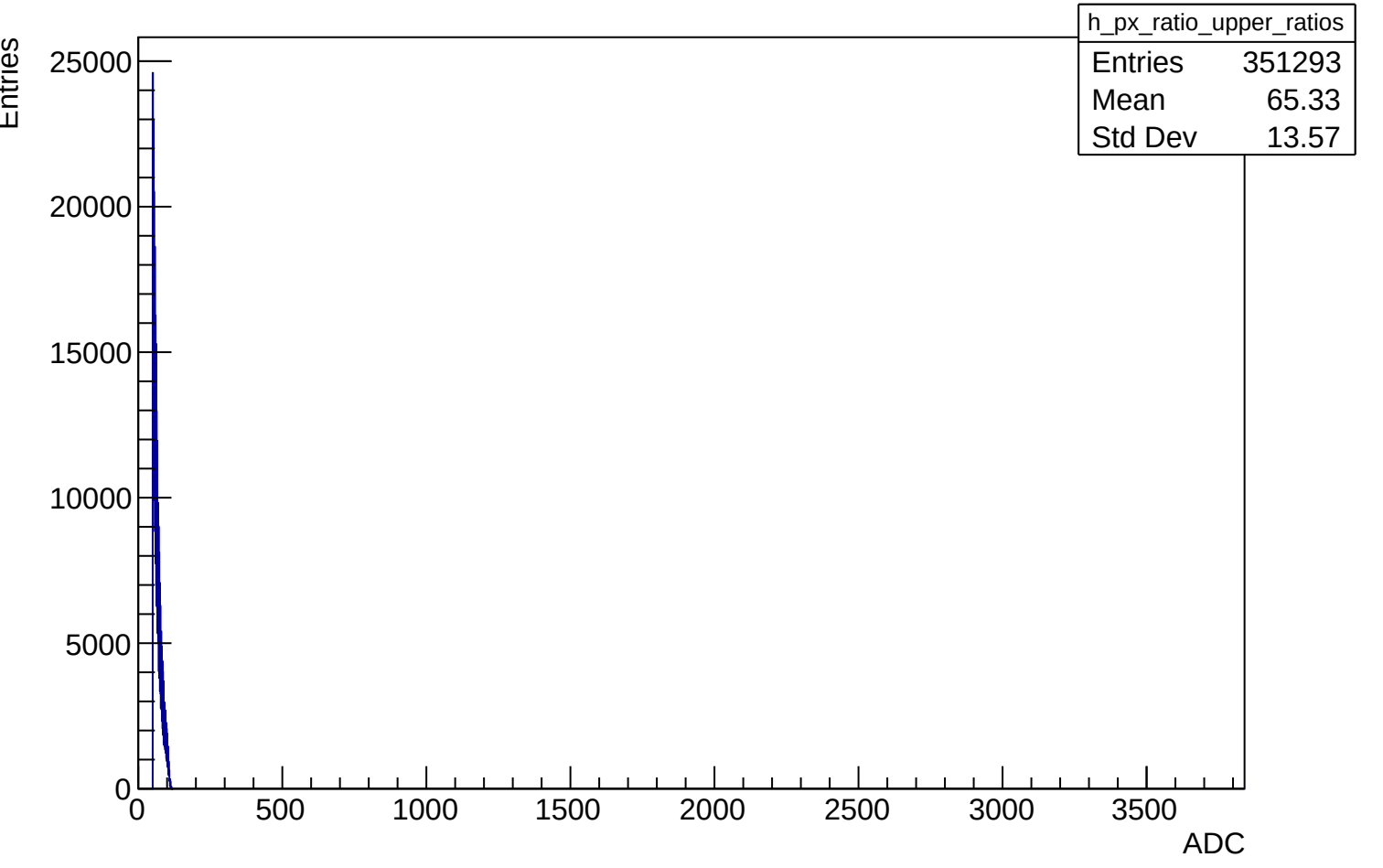

APV16 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 113151
Mean 254
Std Dev 121
Entries
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
3500
ADC

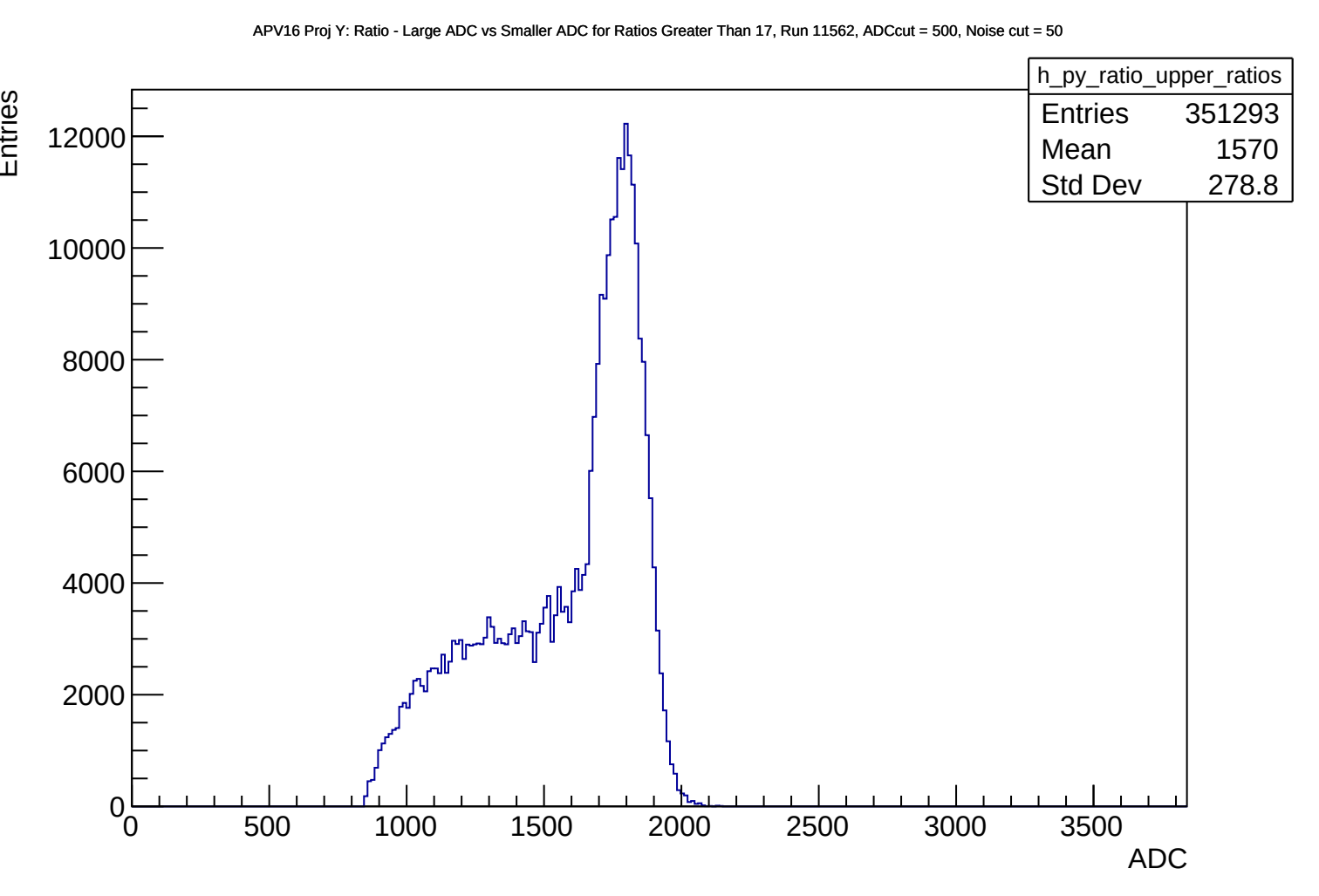

APV16 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 113151
Mean 989.8
Std Dev 440.1
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500

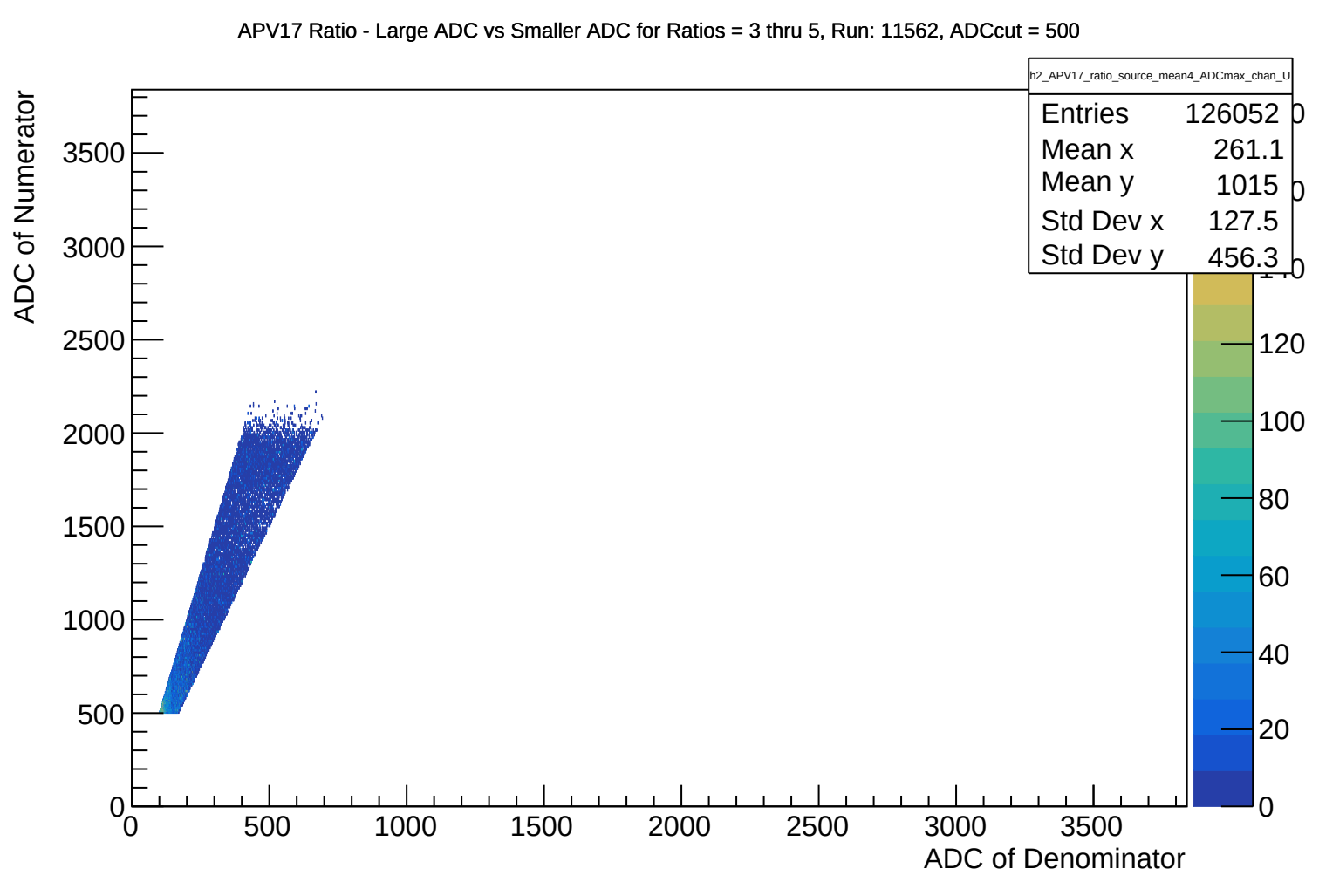

APV16 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 401426
Mean 117.6
Std Dev 53.26
Entries)
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

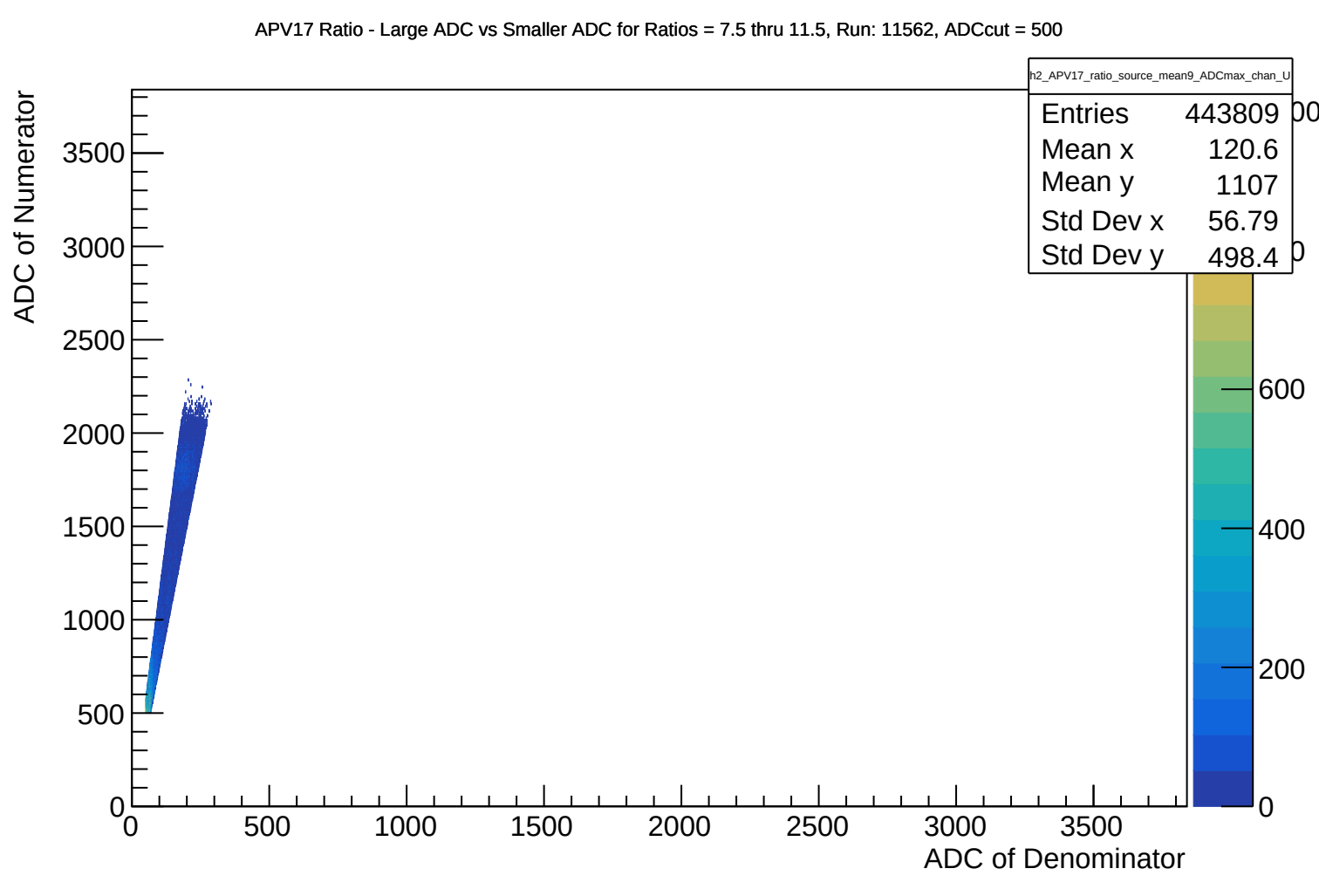

APV16 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 401426
Mean 1088
Std Dev 473
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

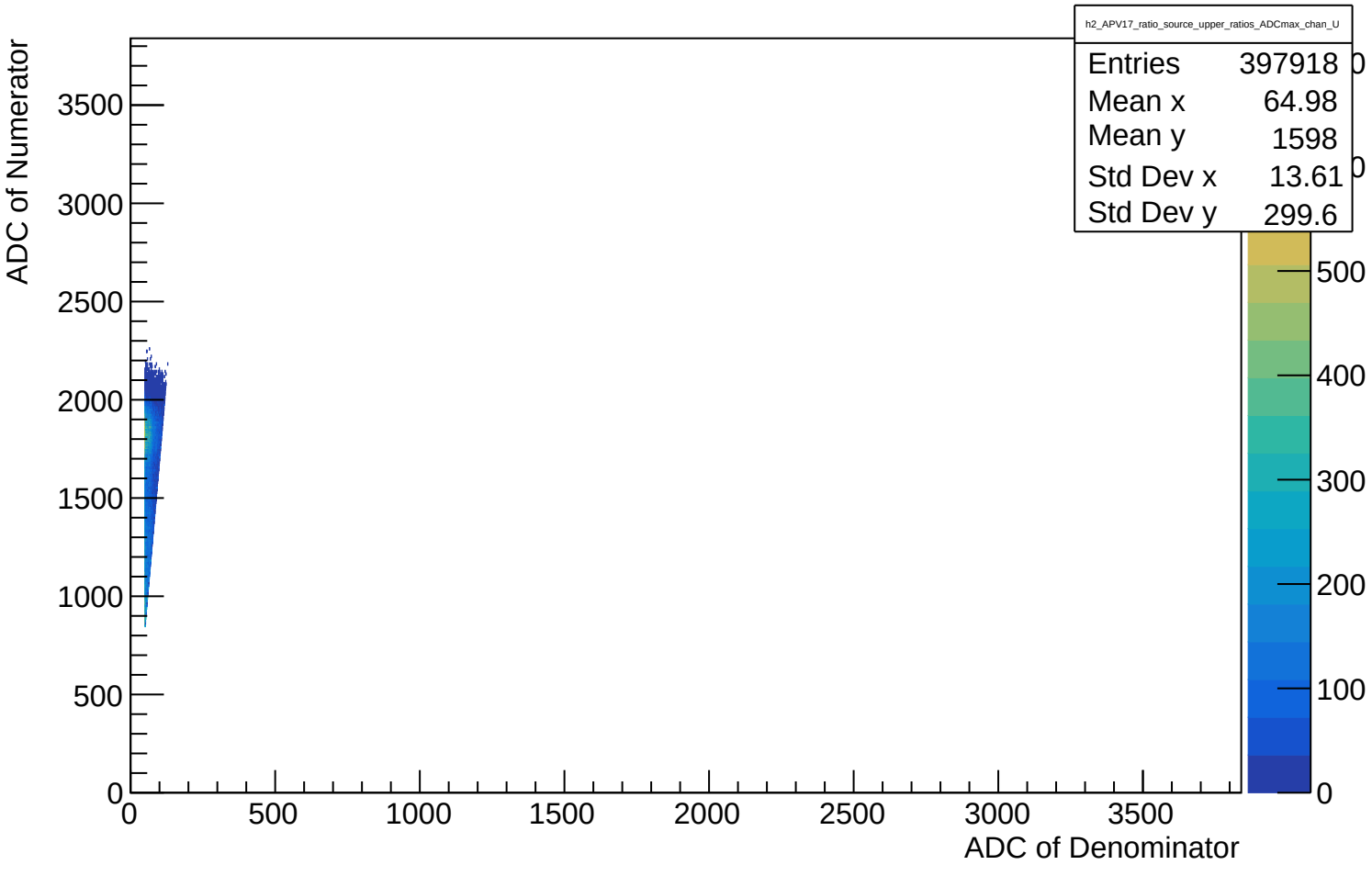
APV16 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

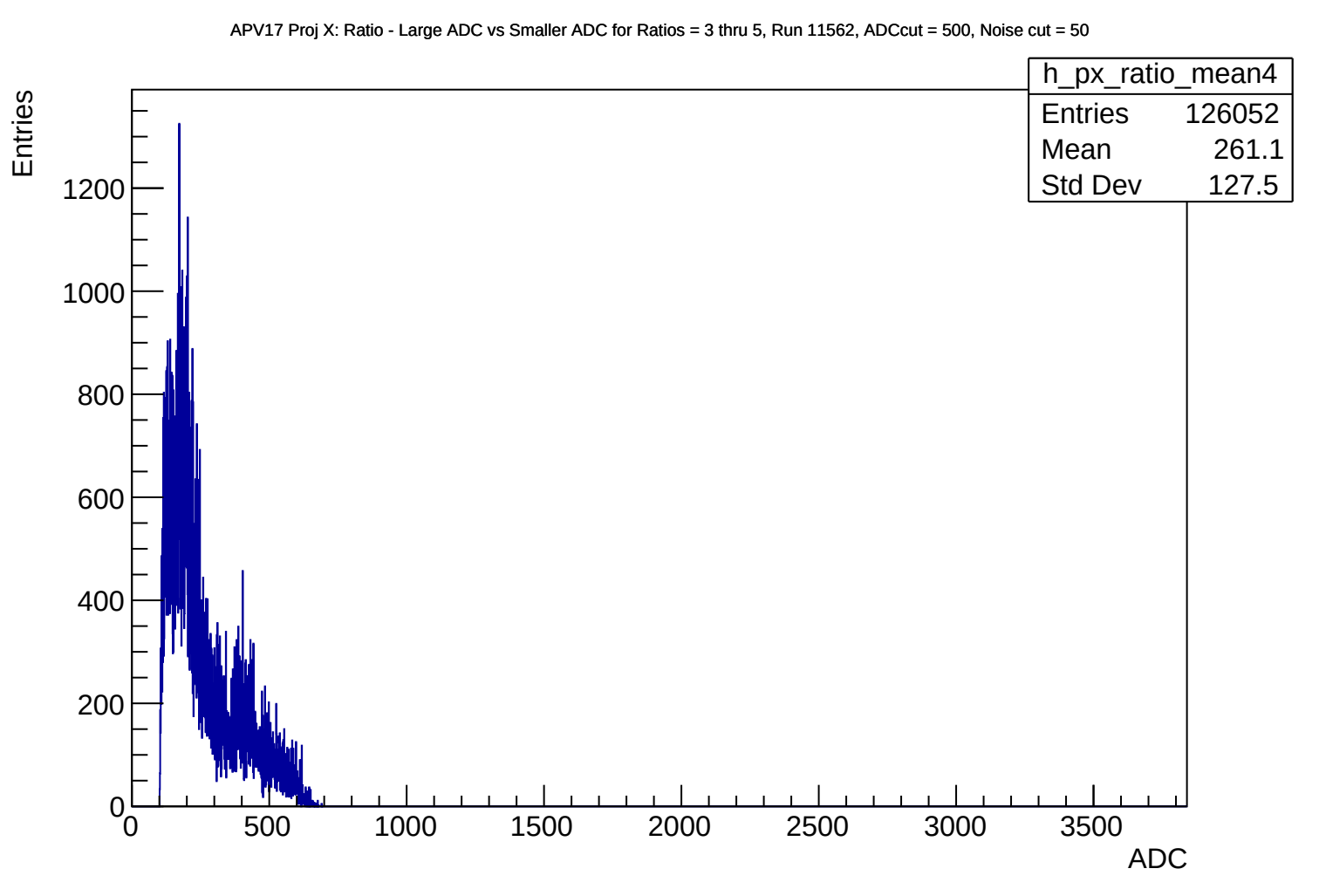


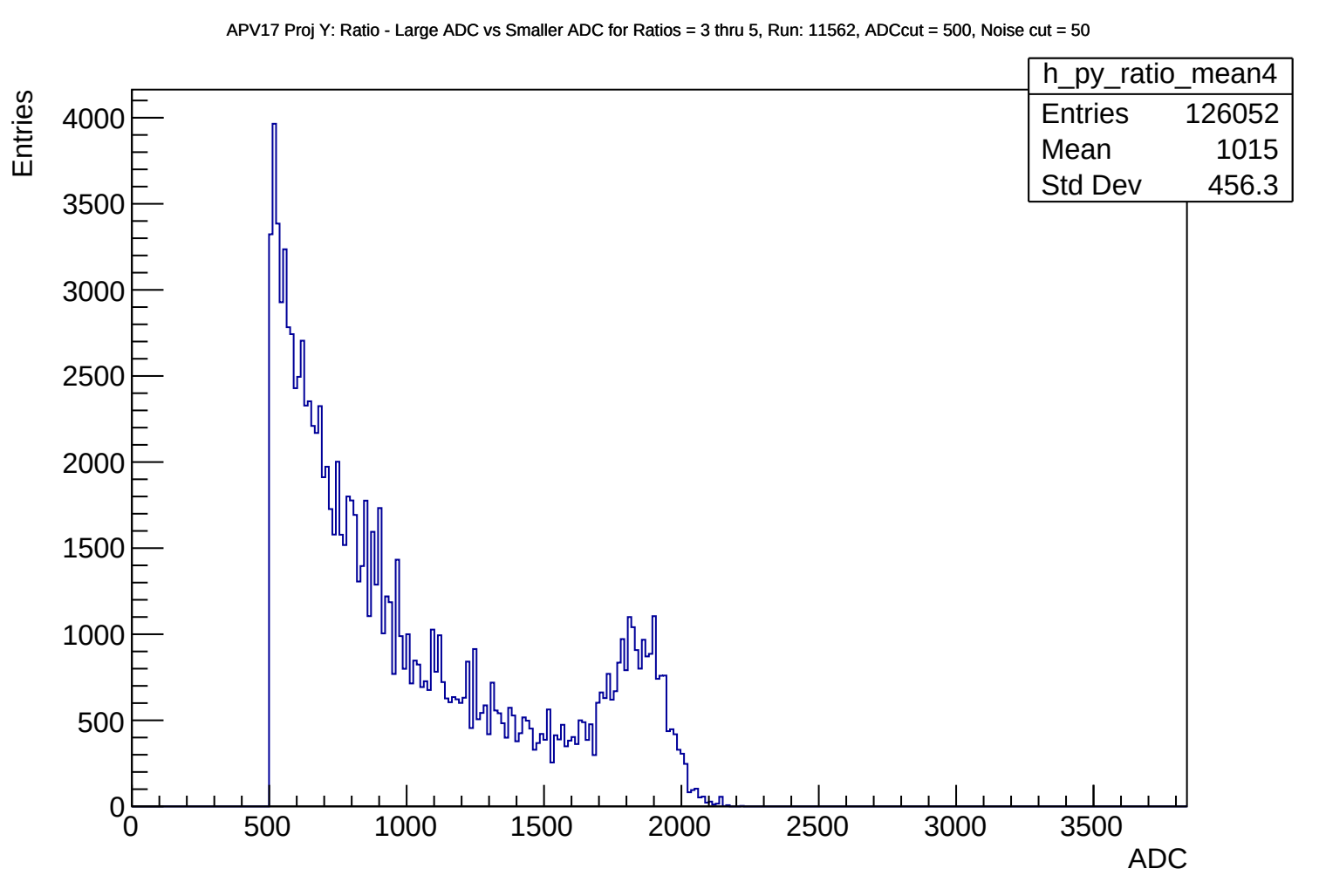

APV16 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 351293
Mean 1570
Std Dev 278.8
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

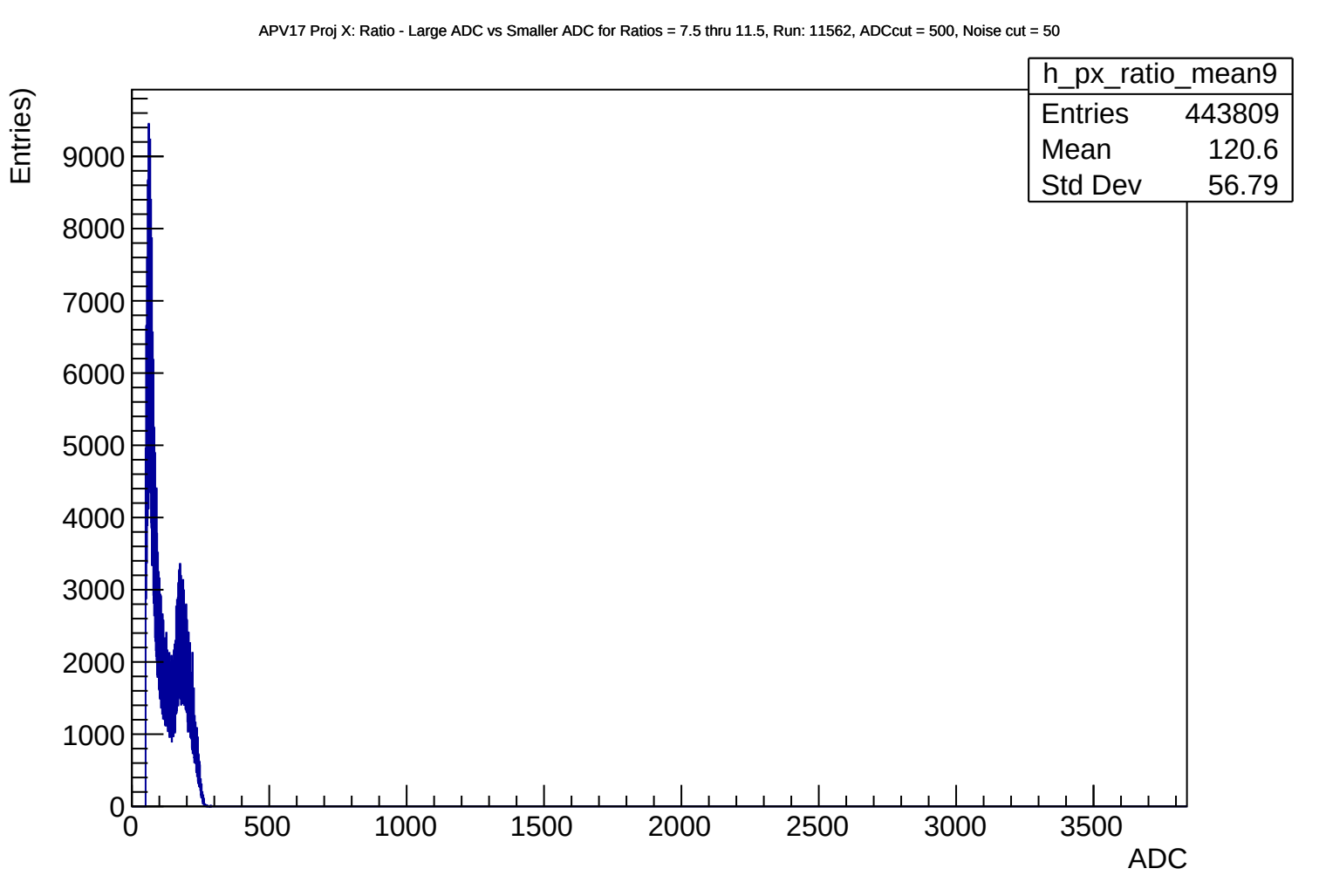

APV17 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV17_ratio_source_mean4_ADCmax_chan_U
Entries 126052
Mean x 261.1
Mean y 1015
Std Dev x 127.5
Std Dev y 456.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120

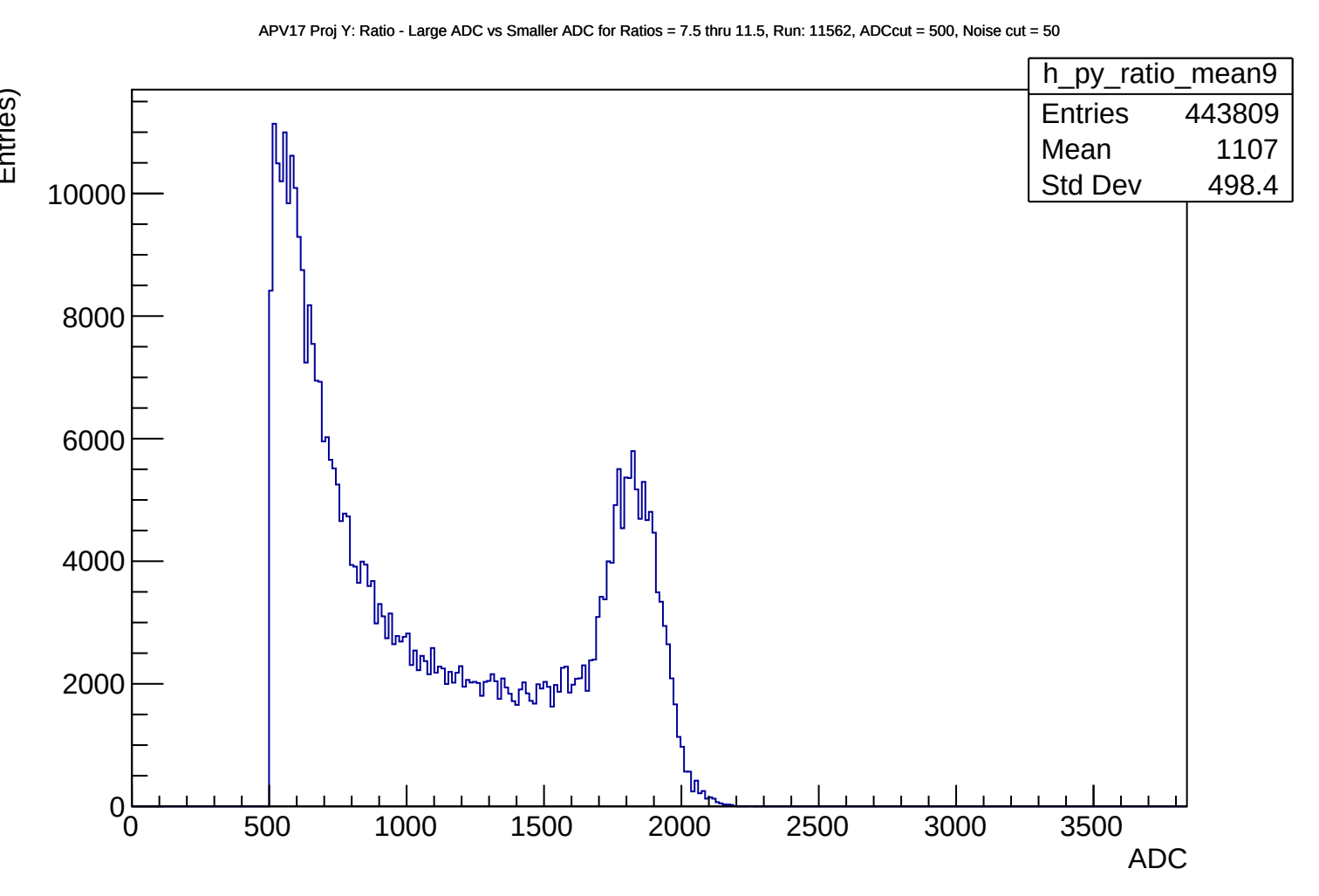

APV17 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV17_ratio_source_mean9_ADCmax_chan_U
Entries 443809
Mean x 120.6
Mean y 1107
Std Dev x 56.79
Std Dev y 498.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600

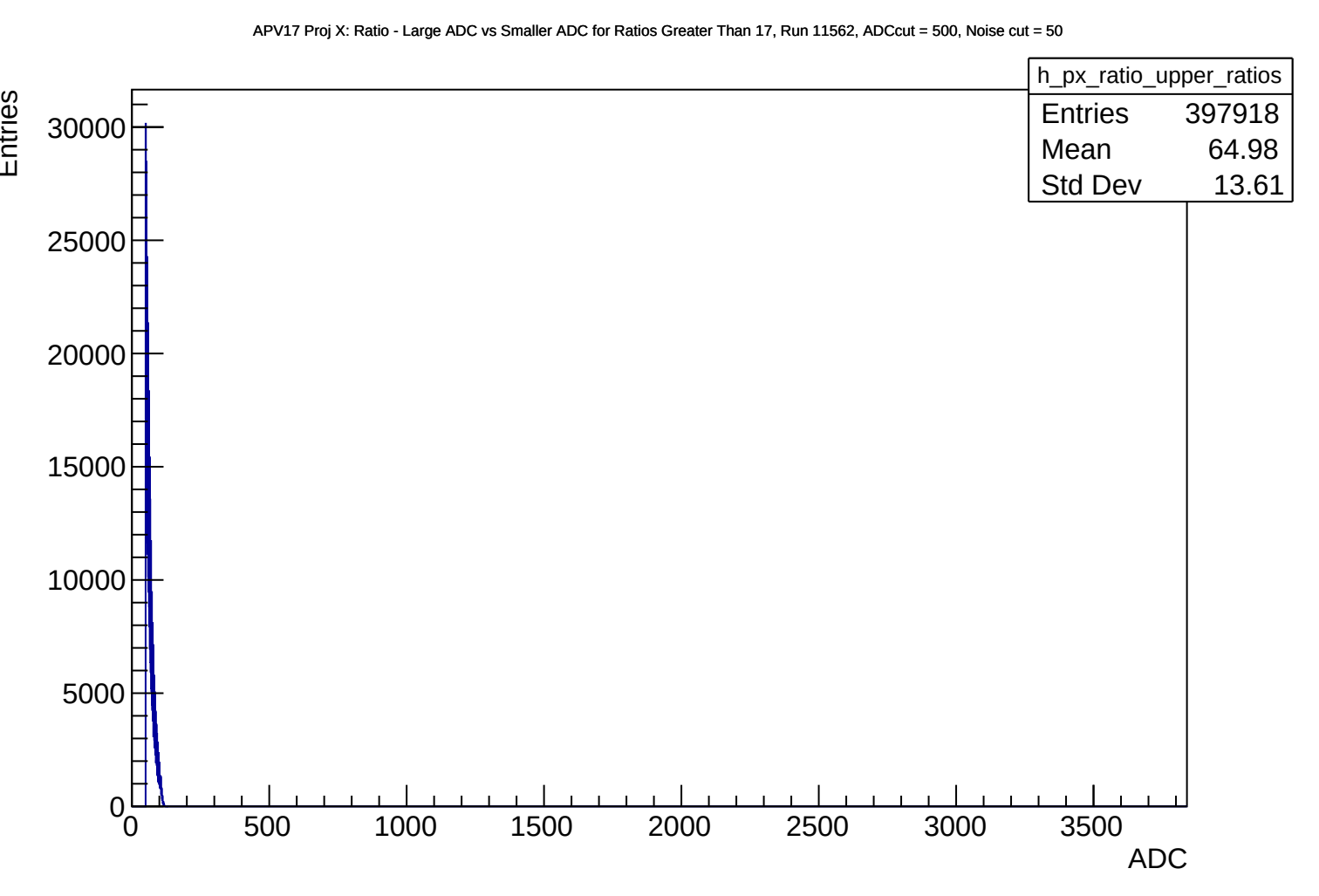

APV17 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV17_ratio_source_upper_ratios_ADCmax_chan_U
Entries 397918
Mean x 64.98
Mean y 1598
Std Dev x 13.61
Std Dev y 299.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

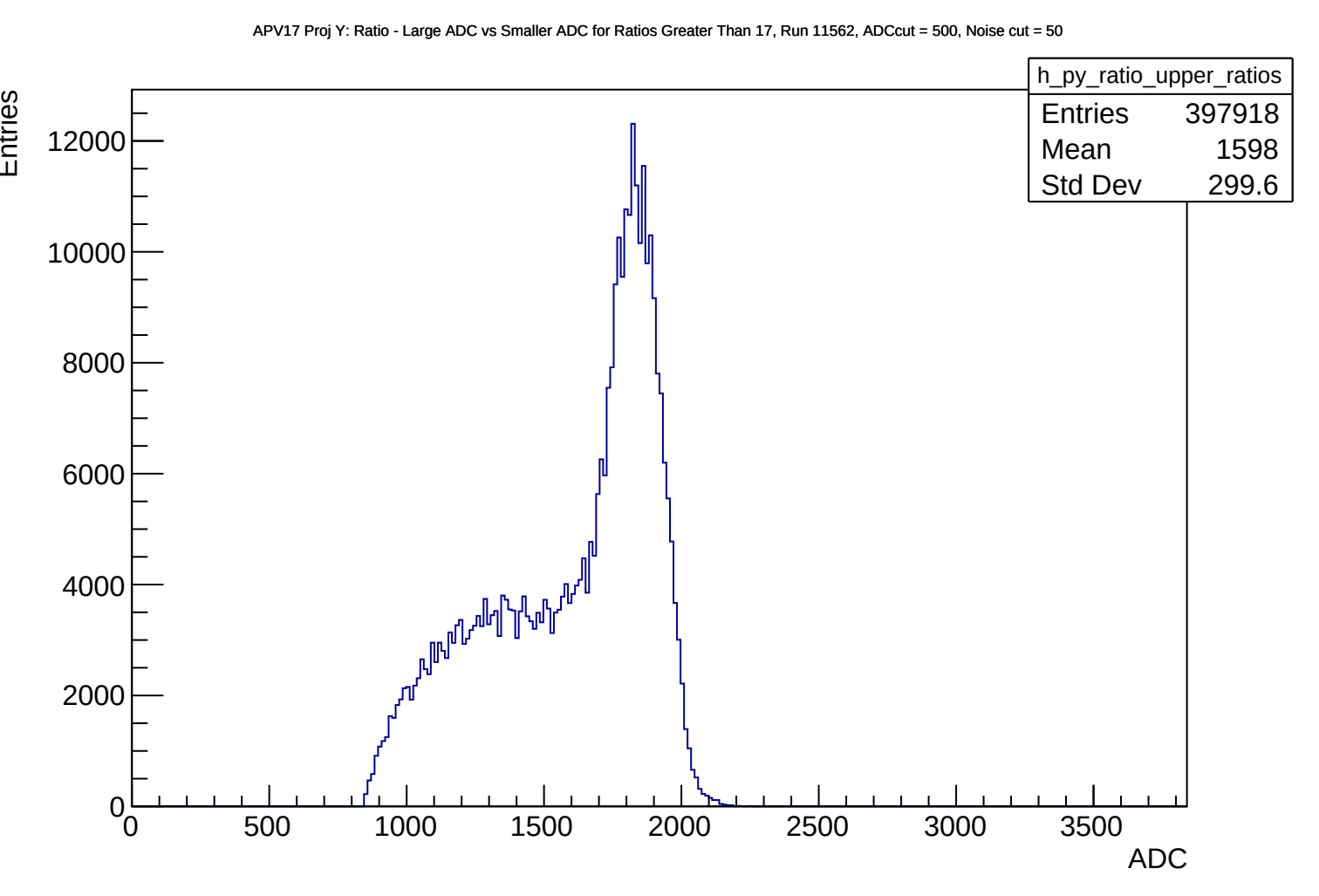

APV17 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 126052
Mean 261.1
Std Dev 127.5
Entries
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
3500
ADC

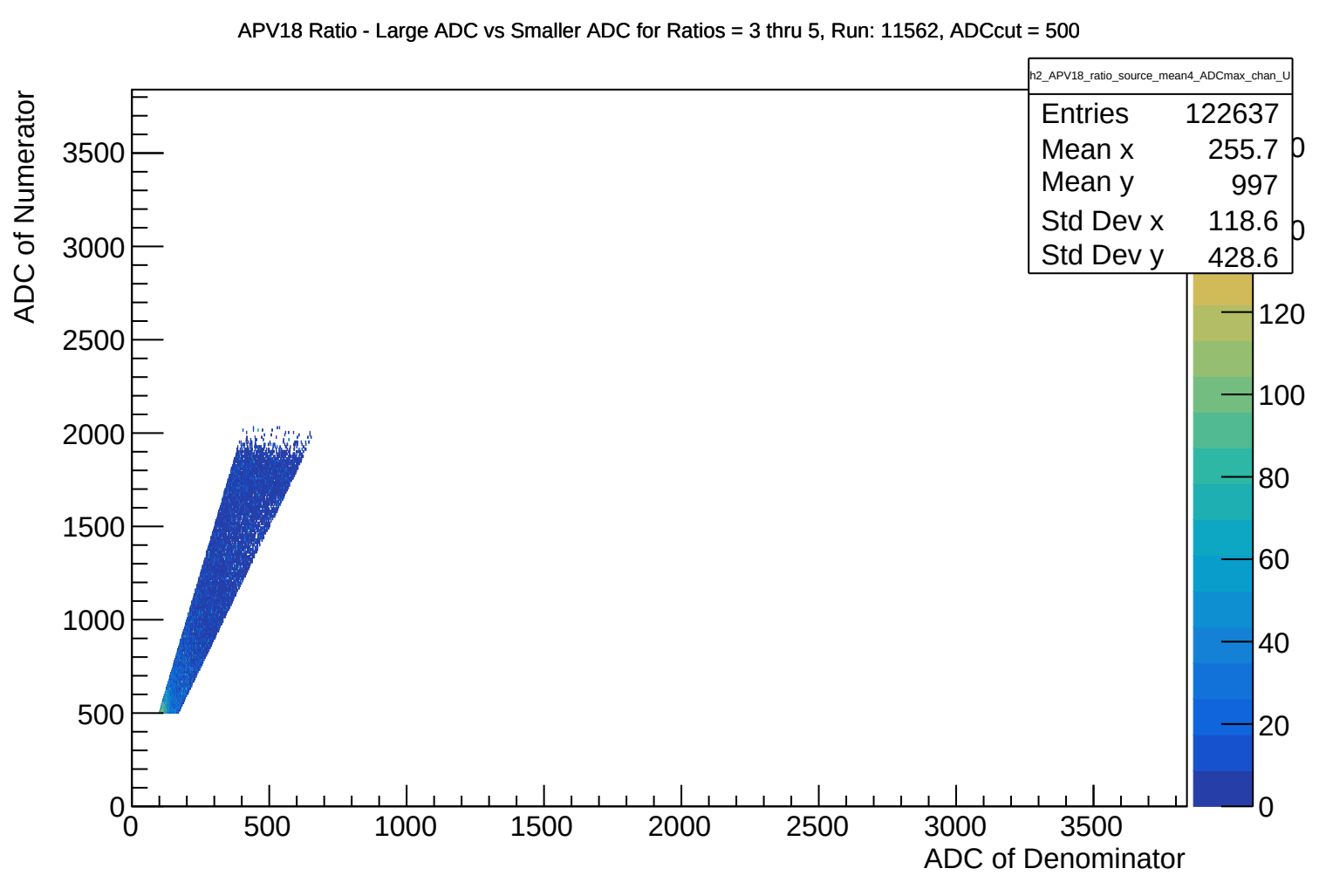

APV17 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 126052
Mean 1015
Std Dev 456.3
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500
4000

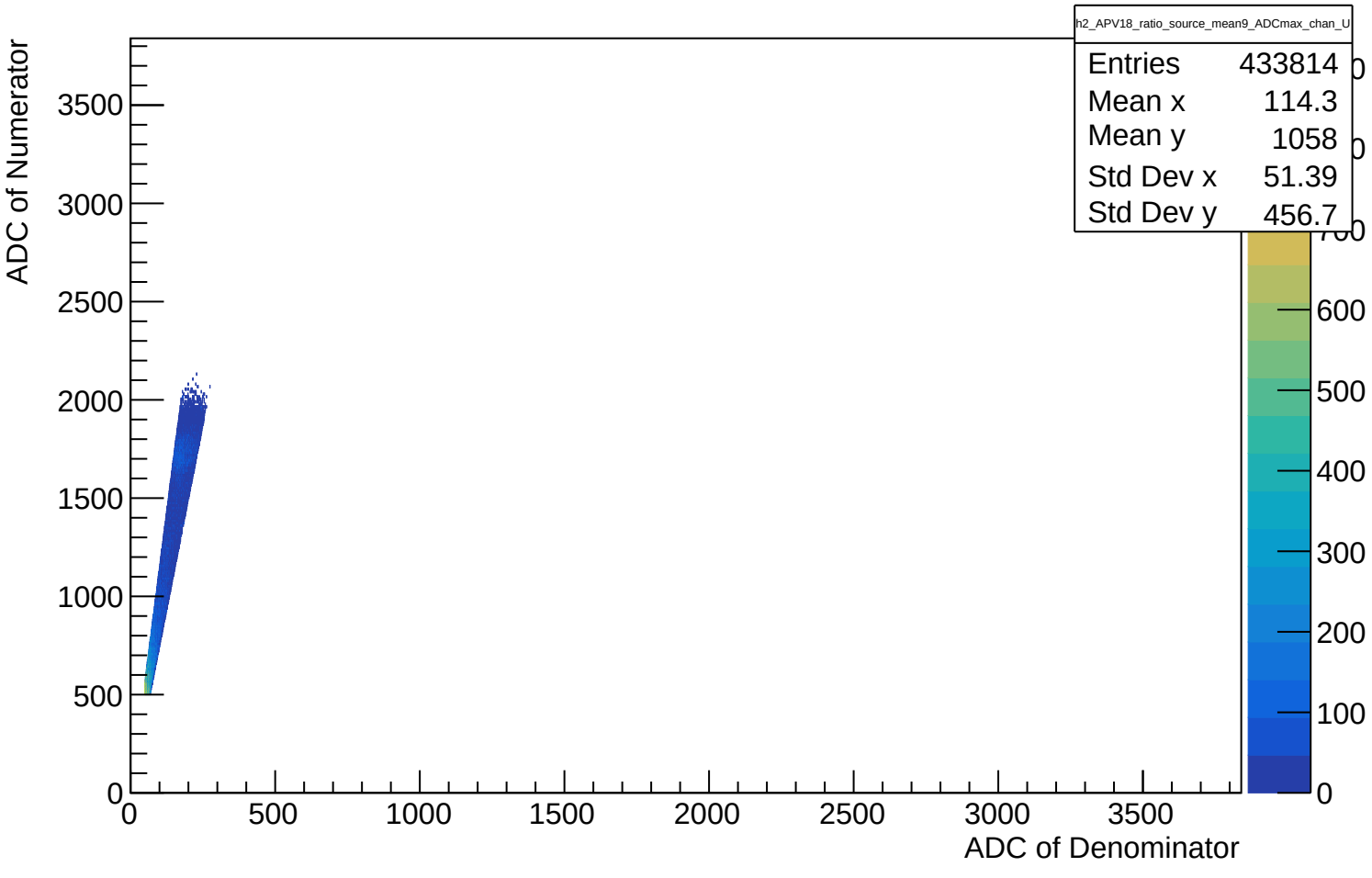

APV17 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 443809
Mean 120.6
Std Dev 56.79
Entries)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

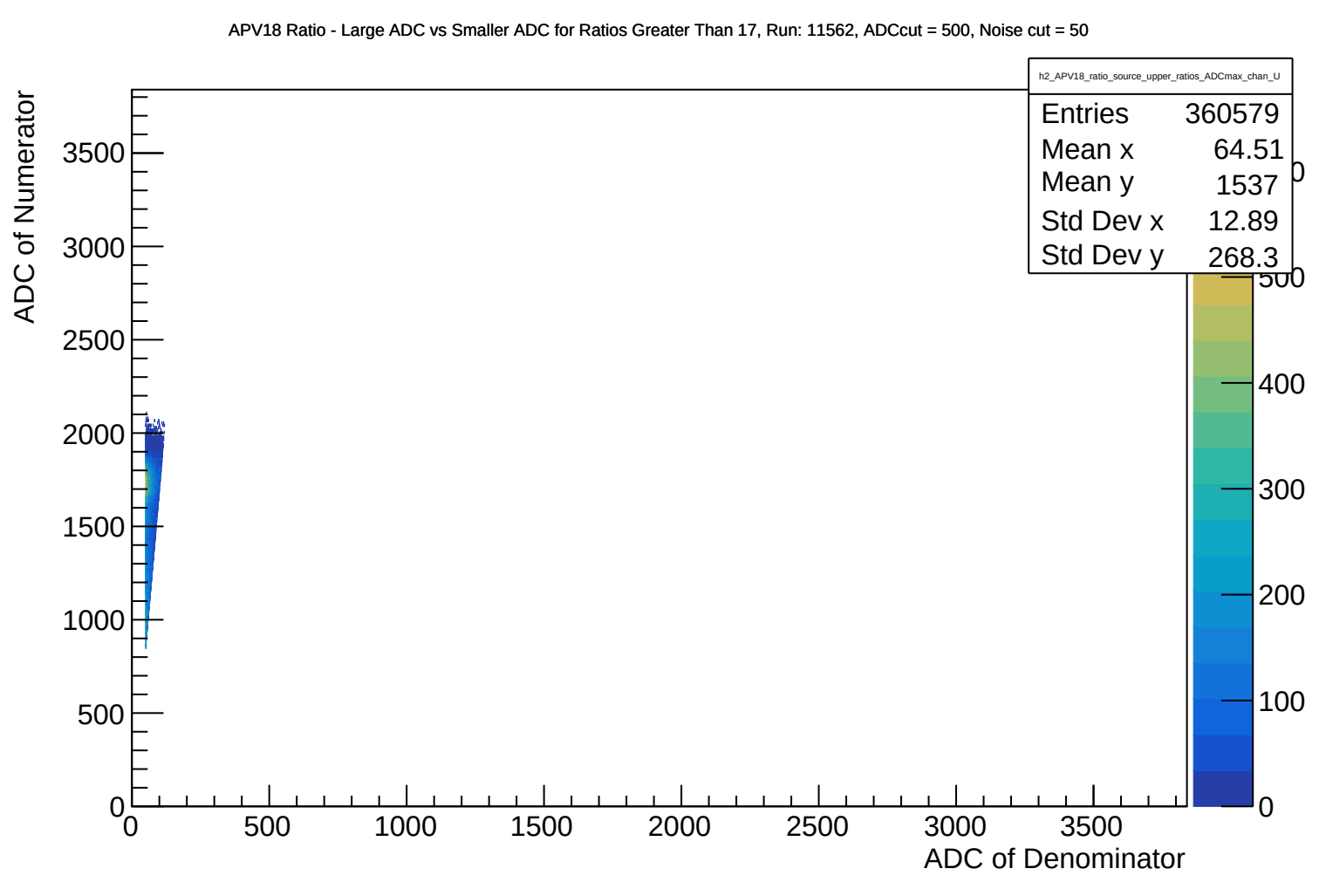

APV17 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 443809
Mean 1107
Std Dev 498.4
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

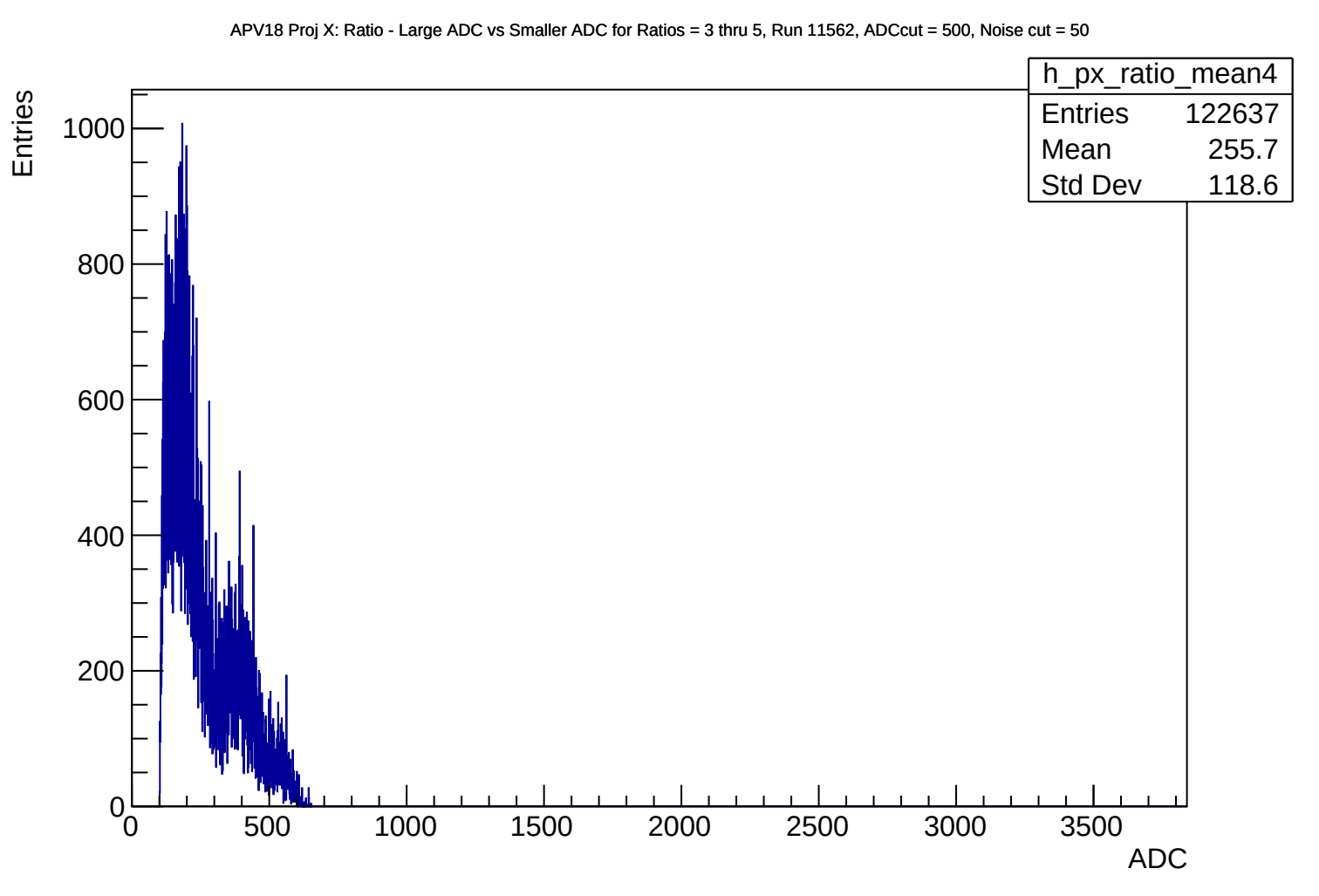

APV17 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 397918
Mean 64.98
Std Dev 13.61
Entries
30000
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

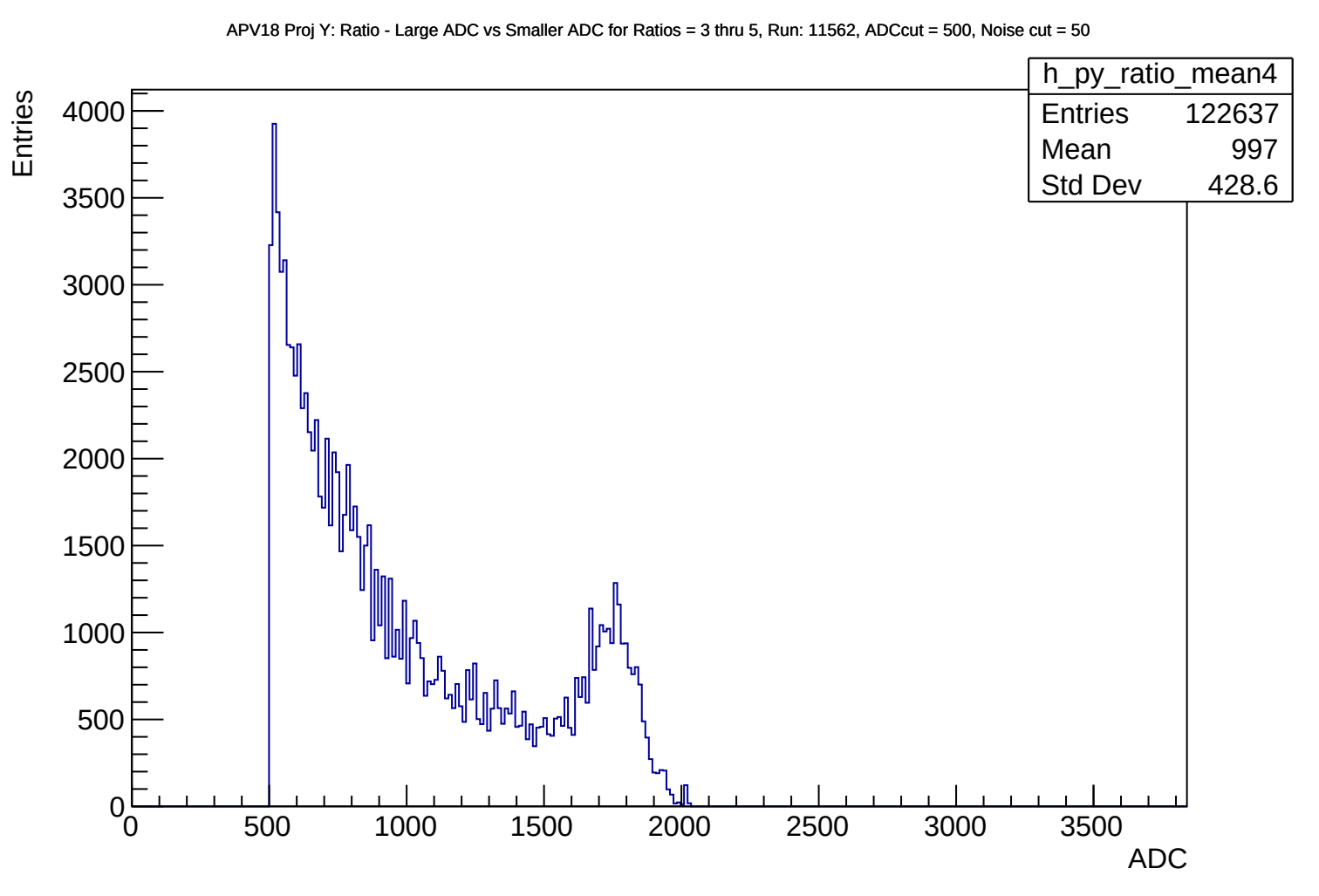

APV17 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 397918
Mean 1598
Std Dev 299.6
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

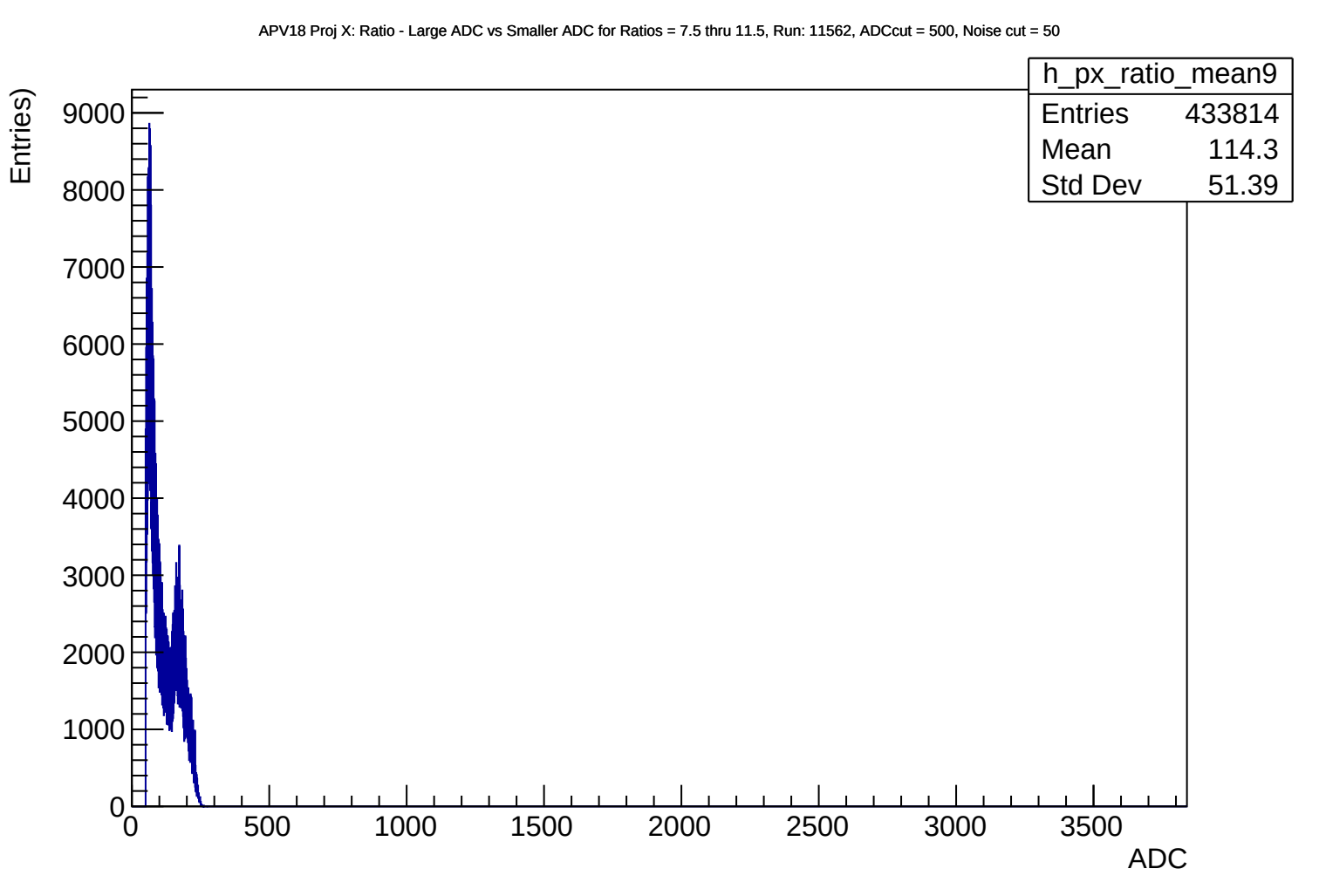

APV18 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV18_ratio_source_mean4_ADCmax_chan_U
Entries 122637
Mean x 255.7
Mean y 997
Std Dev x 118.6
Std Dev y 428.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
20
40
60
80
100
120

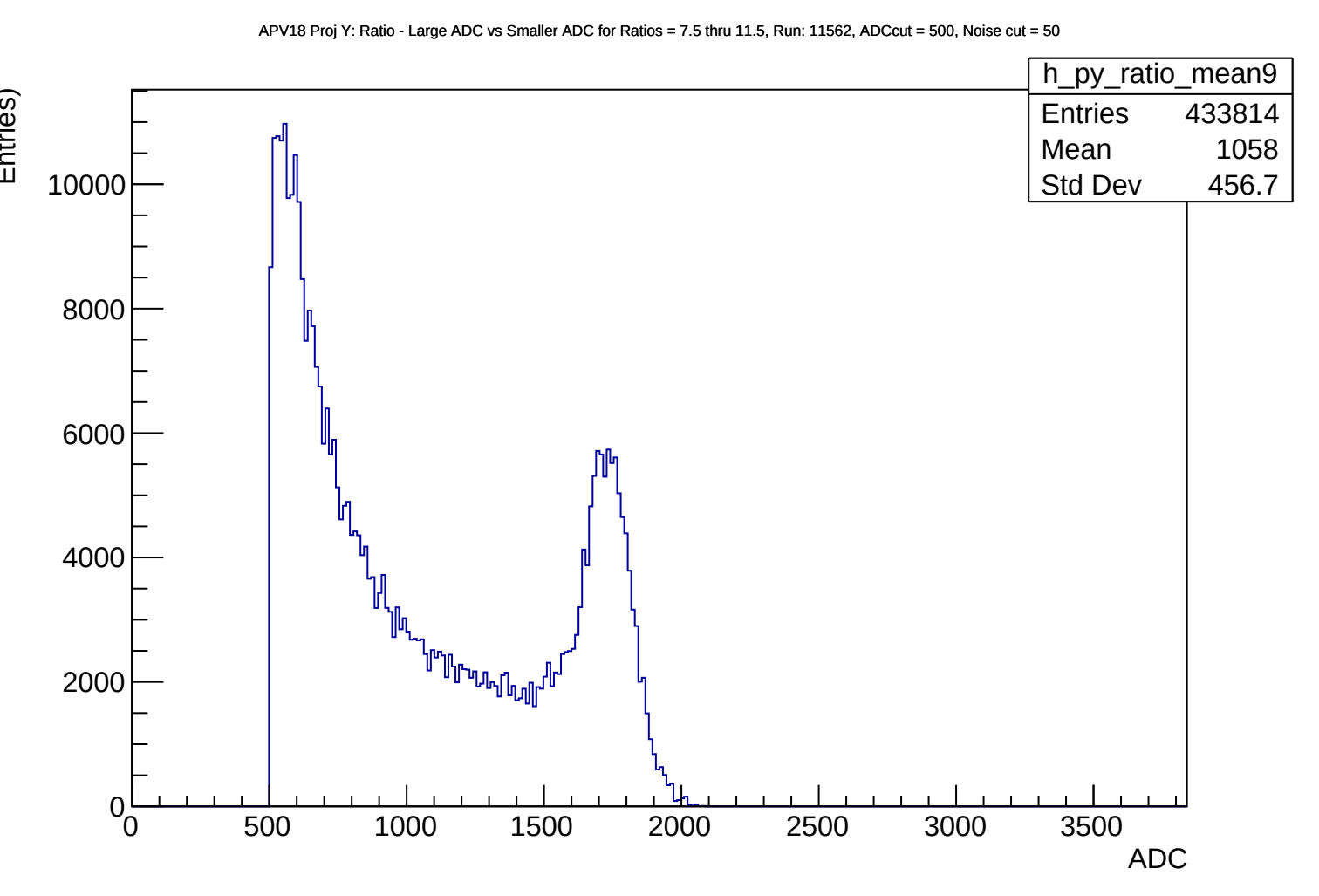

APV18 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV18_ratio_source_mean9_ADCmax_chan_U
Entries 433814
Mean x 114.3
Mean y 1058
Std Dev x 51.39
Std Dev y 456.7
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600
700

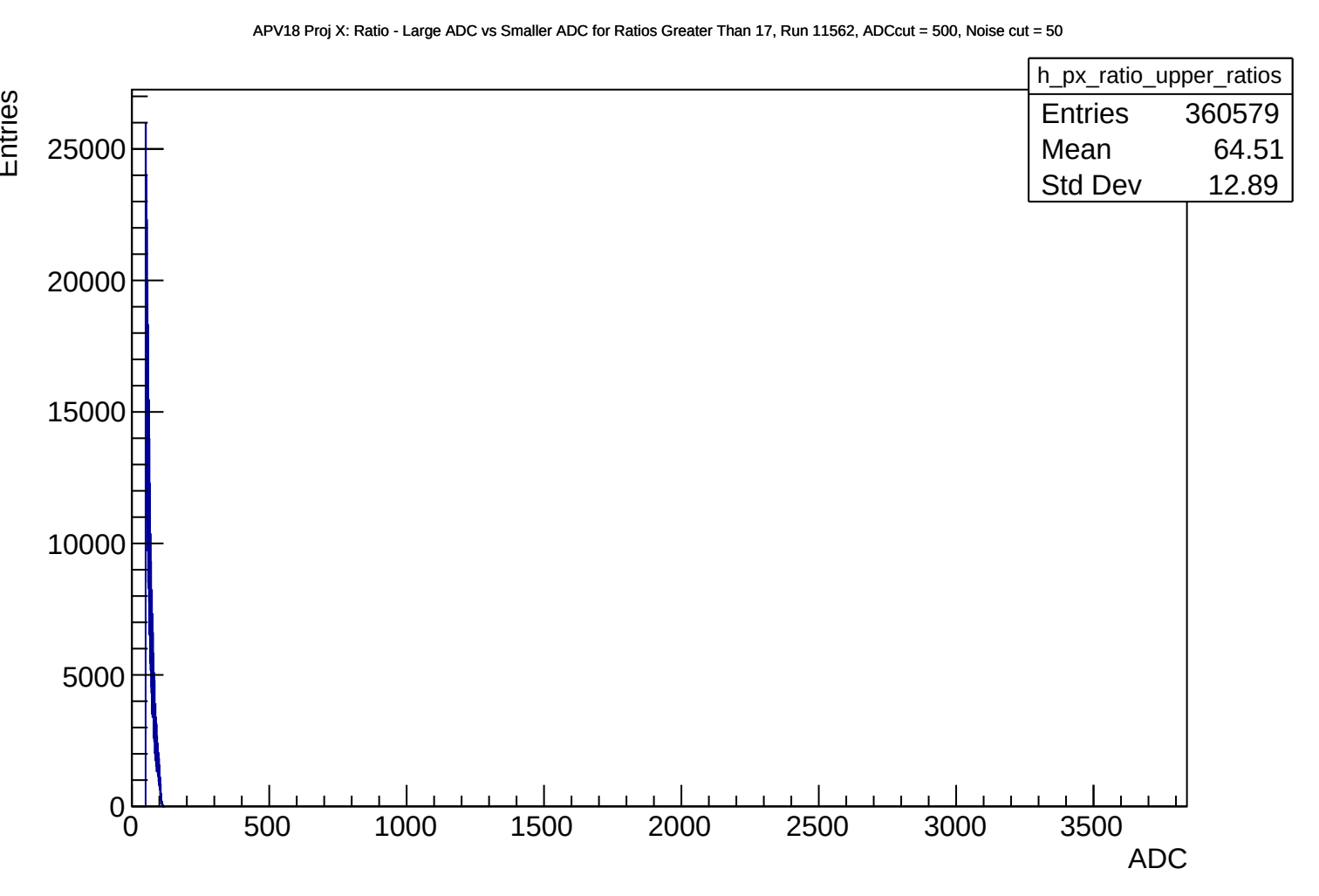

APV18 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV18_ratio_source_upper_ratios_ADCmax_chan_U
Entries 360579
Mean x 64.51
Mean y 1537
Std Dev x 12.89
Std Dev y 268.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

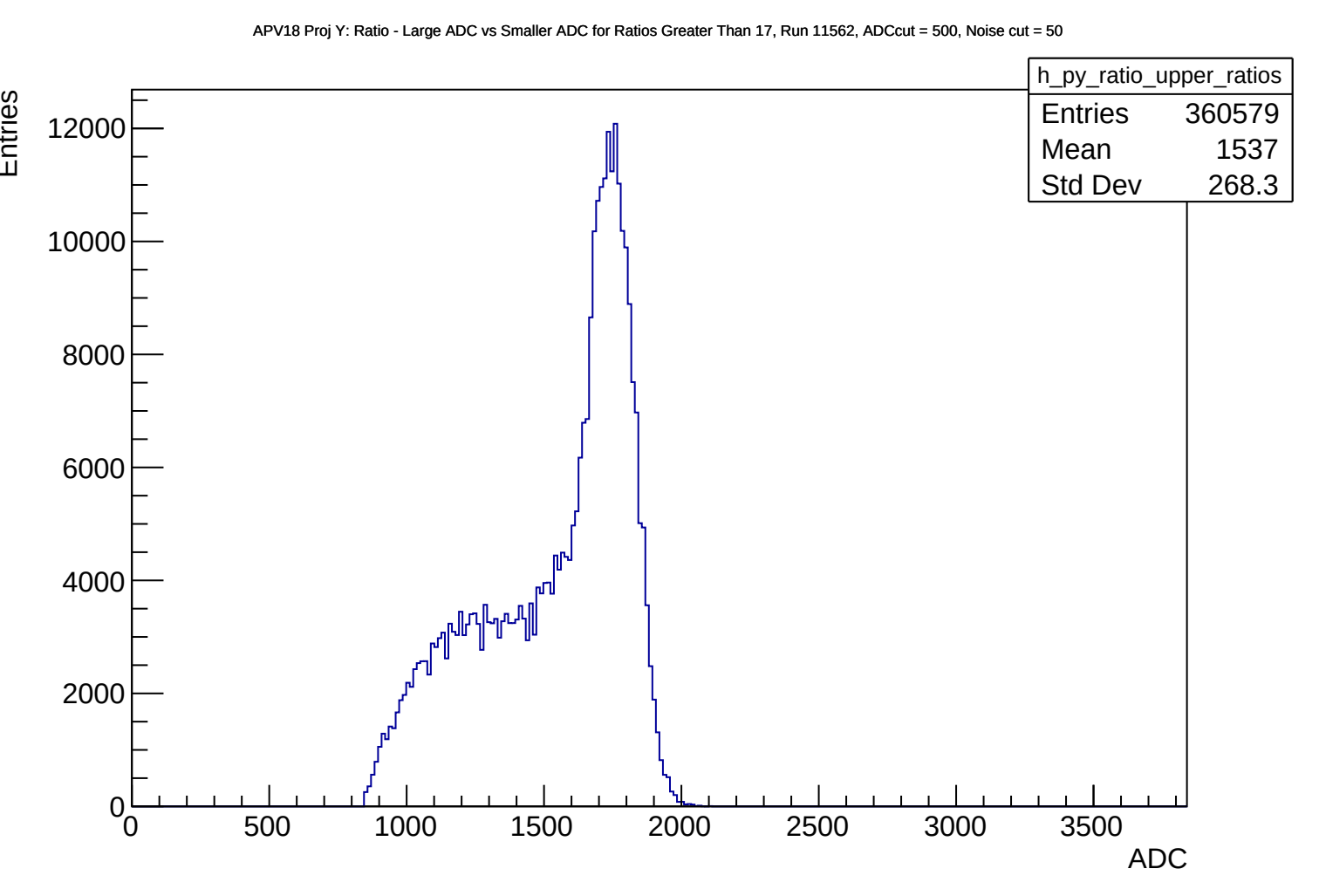

APV18 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 122637
Mean 255.7
Std Dev 118.6
Entries
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
3500
ADC

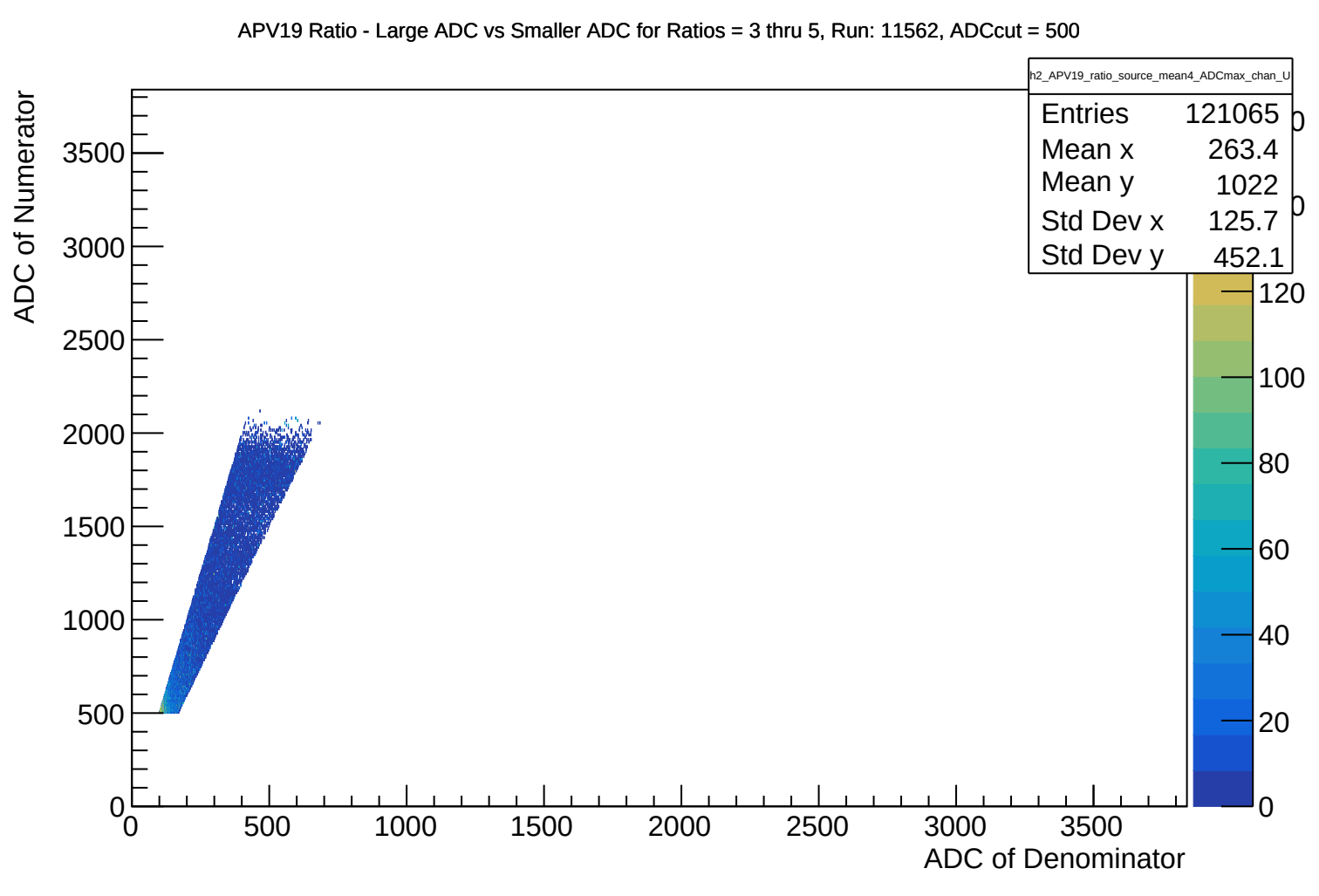

APV18 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 122637
Mean 997
Std Dev 428.6
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500
4000

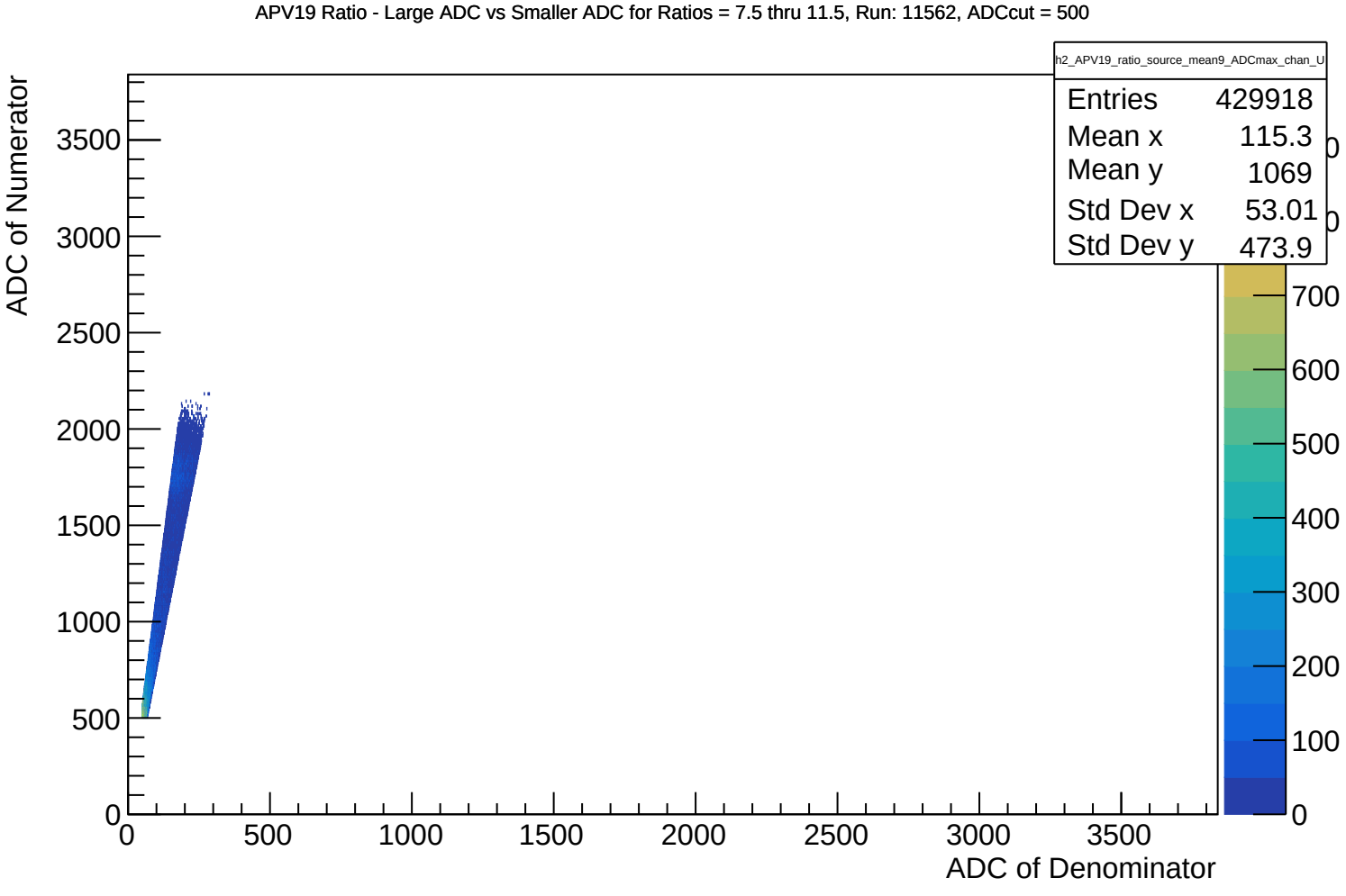

APV18 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 433814
Mean 114.3
Std Dev 51.39
Entries)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

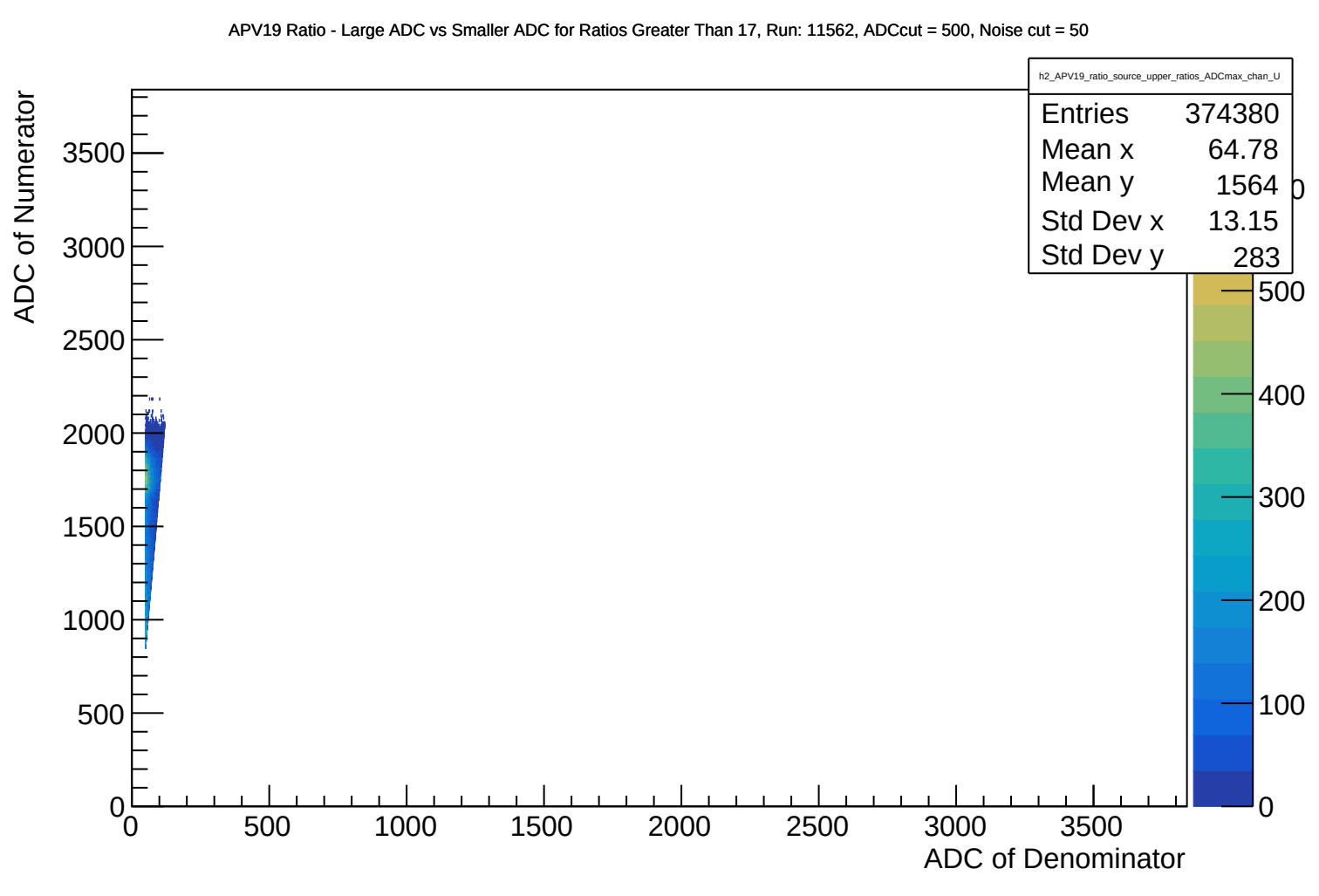

APV18 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 433814
Mean 1058
Std Dev 456.7
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

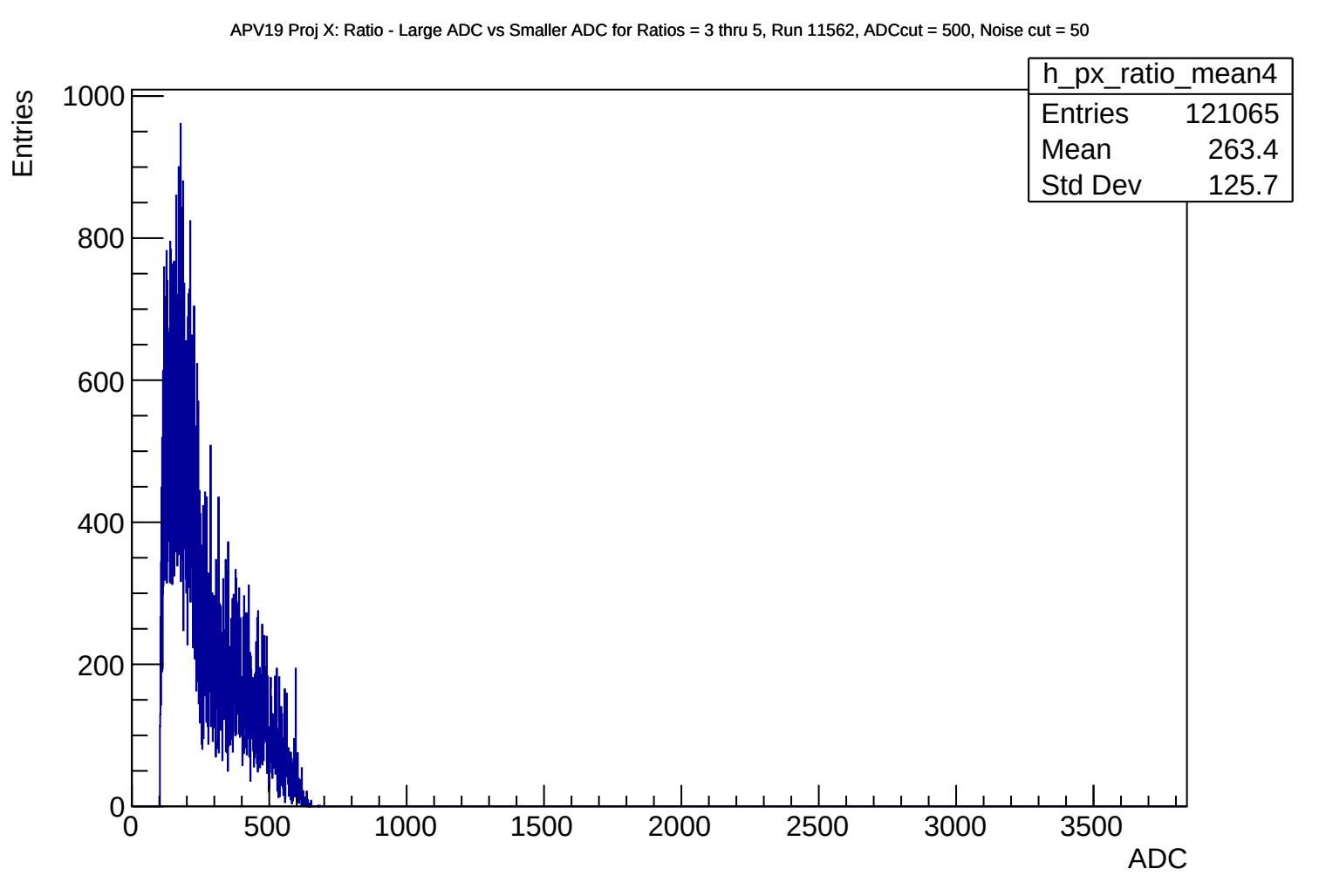

APV18 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 360579
Mean 64.51
Std Dev 12.89
Entries
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

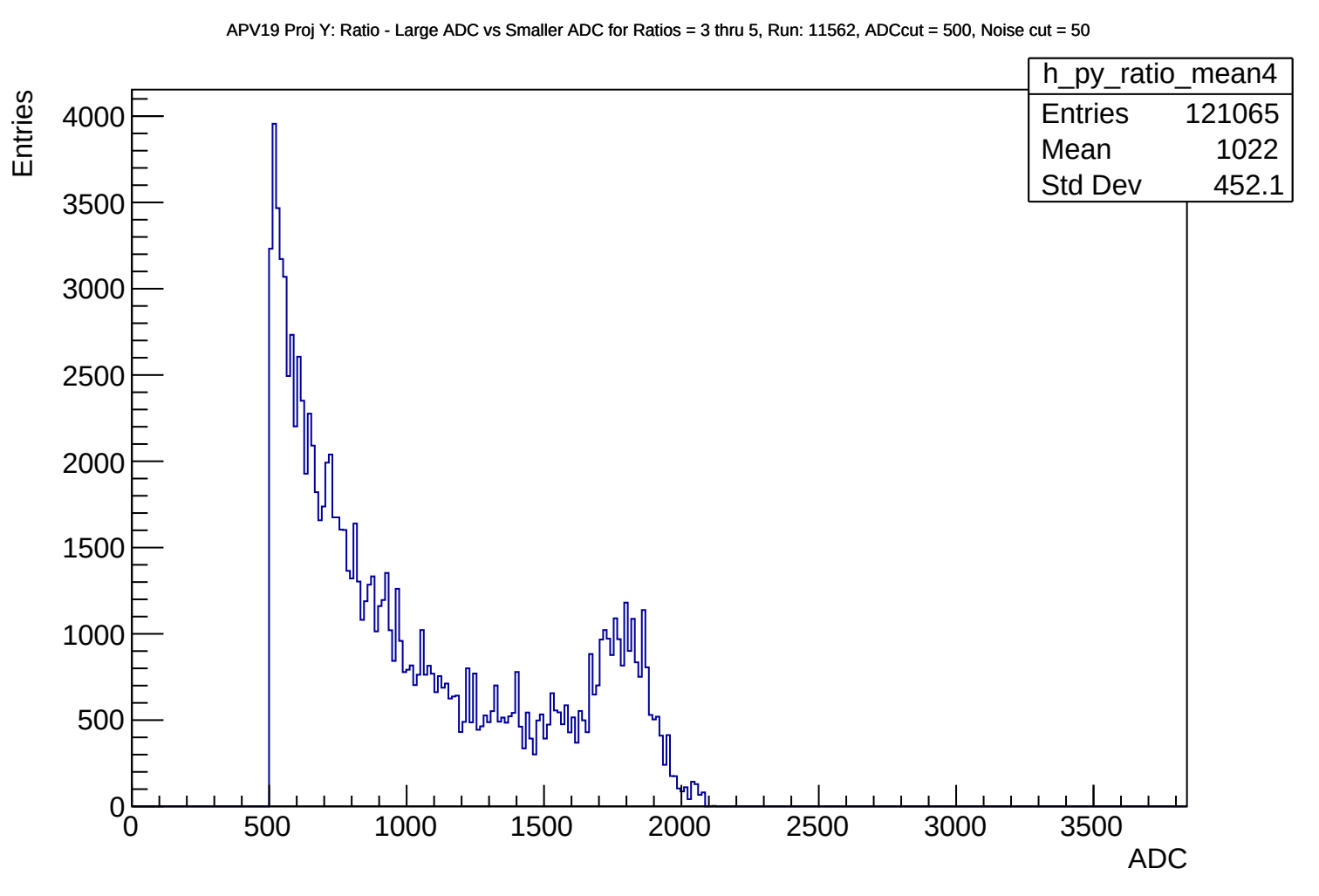

APV18 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 360579
Mean 1537
Std Dev 268.3
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

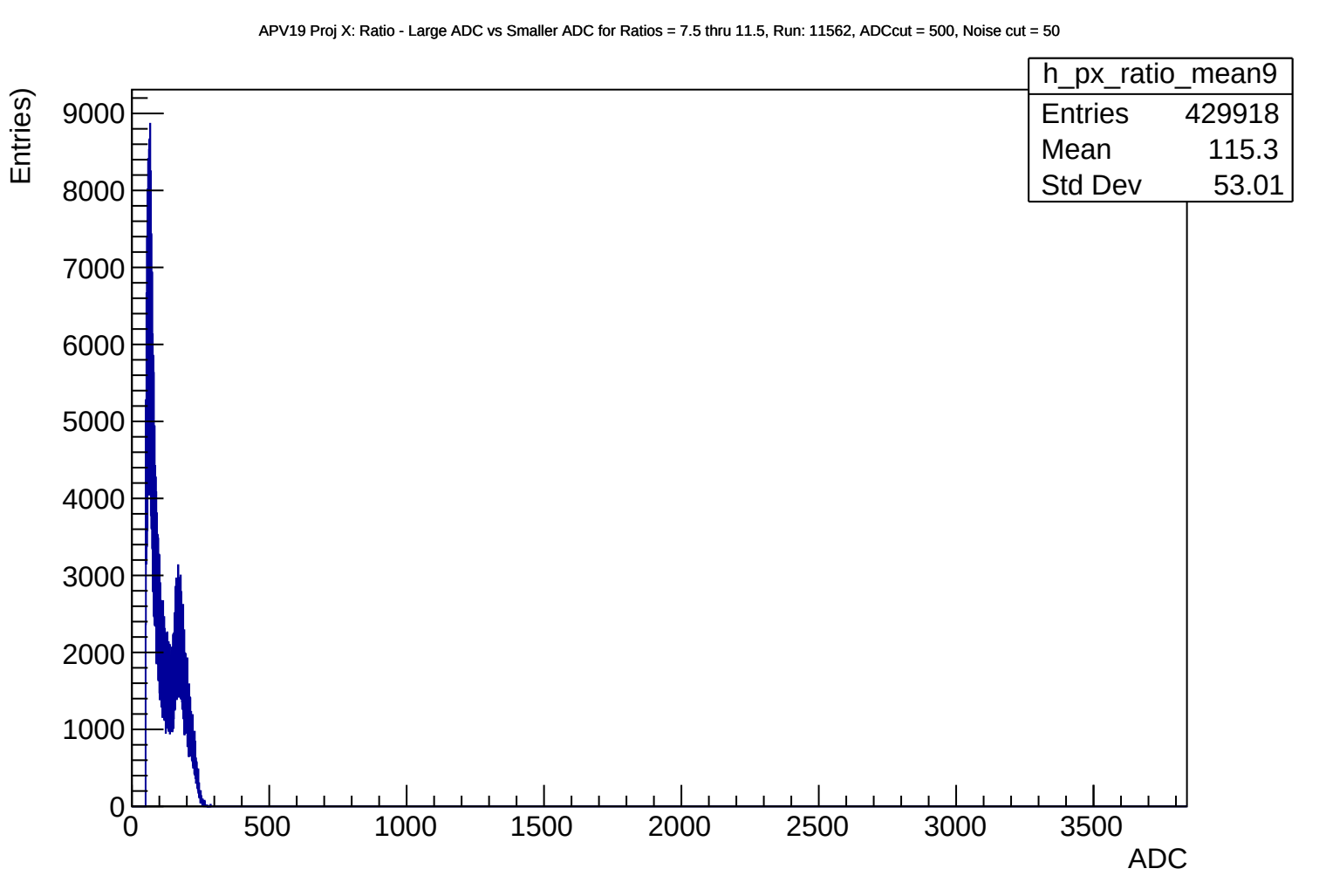

APV19 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV19_ratio_source_mean4_ADCmax_chan_U
Entries 121065
Mean x 263.4
Mean y 1022
Std Dev x 125.7
Std Dev y 452.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120

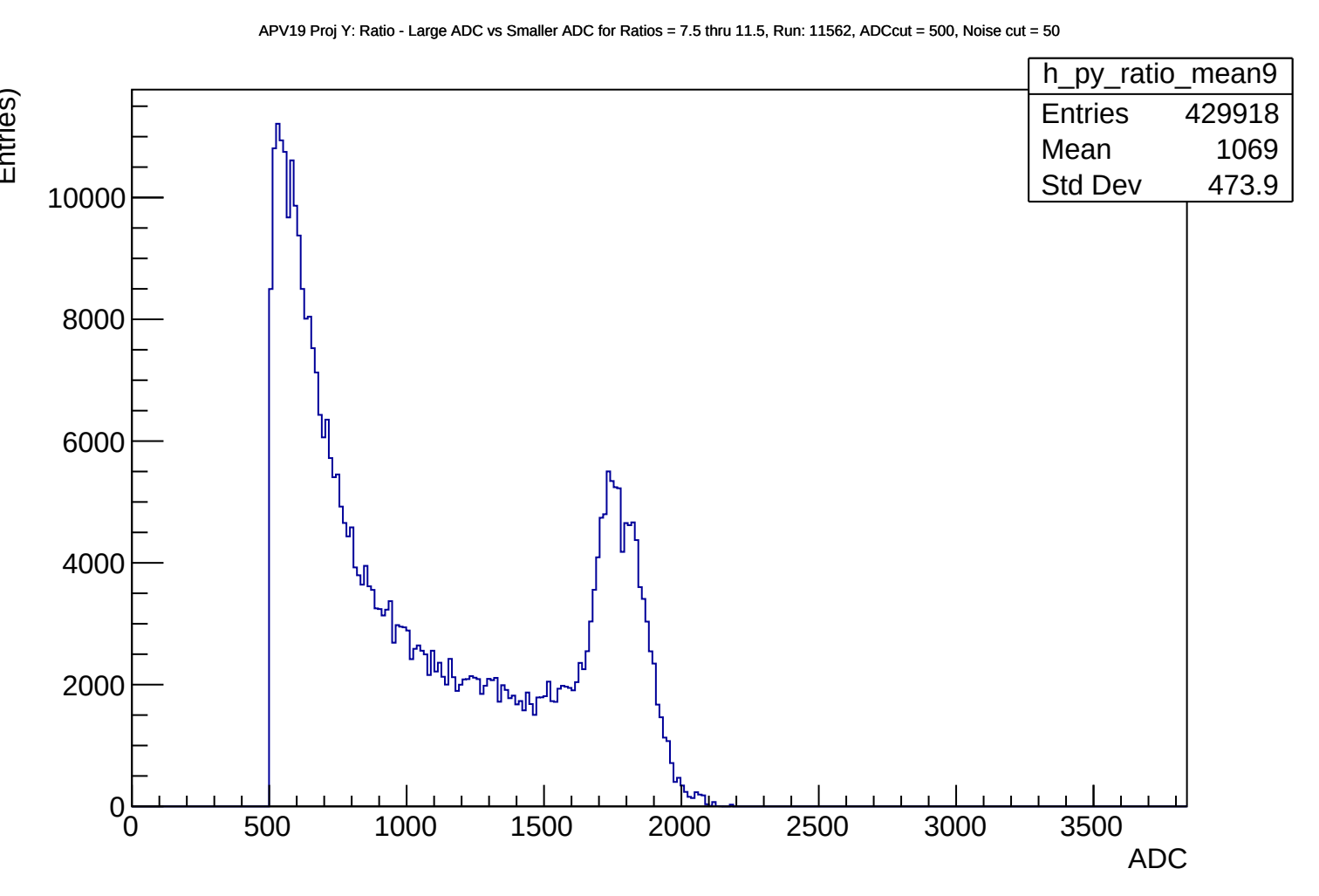

APV19 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV19_ratio_source_mean9_ADCmax_chan_U
Entries 429918
Mean x 115.3
Mean y 1069
Std Dev x 53.01
Std Dev y 473.9
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600
700


APV19 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV19_ratio_source_upper_ratios_ADCmax_chan_U
Entries 374380
Mean x 64.78
Mean y 1564
Std Dev x 13.15
Std Dev y 283
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

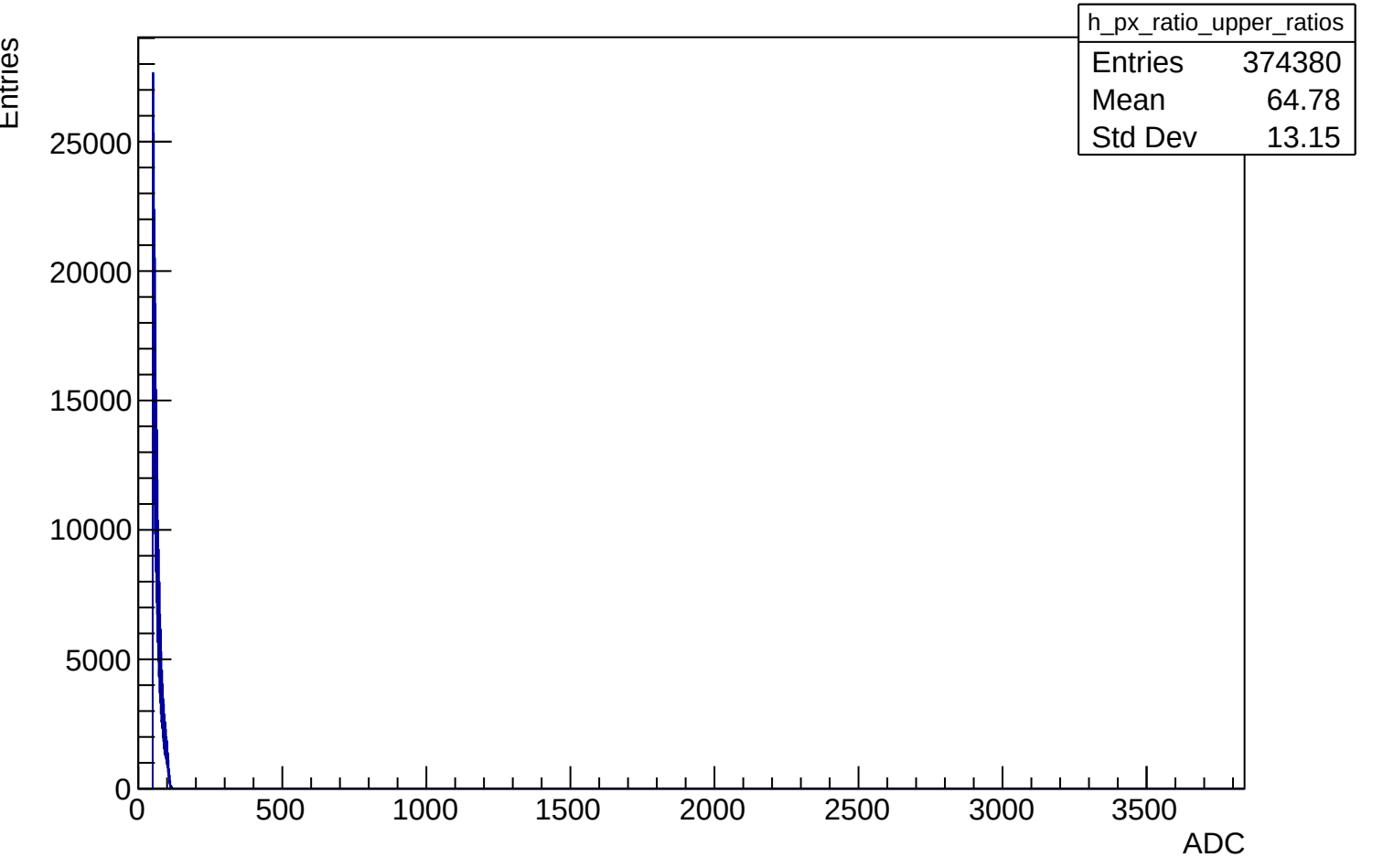

APV19 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 121065
Mean 263.4
Std Dev 125.7
Entries
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
3500
ADC

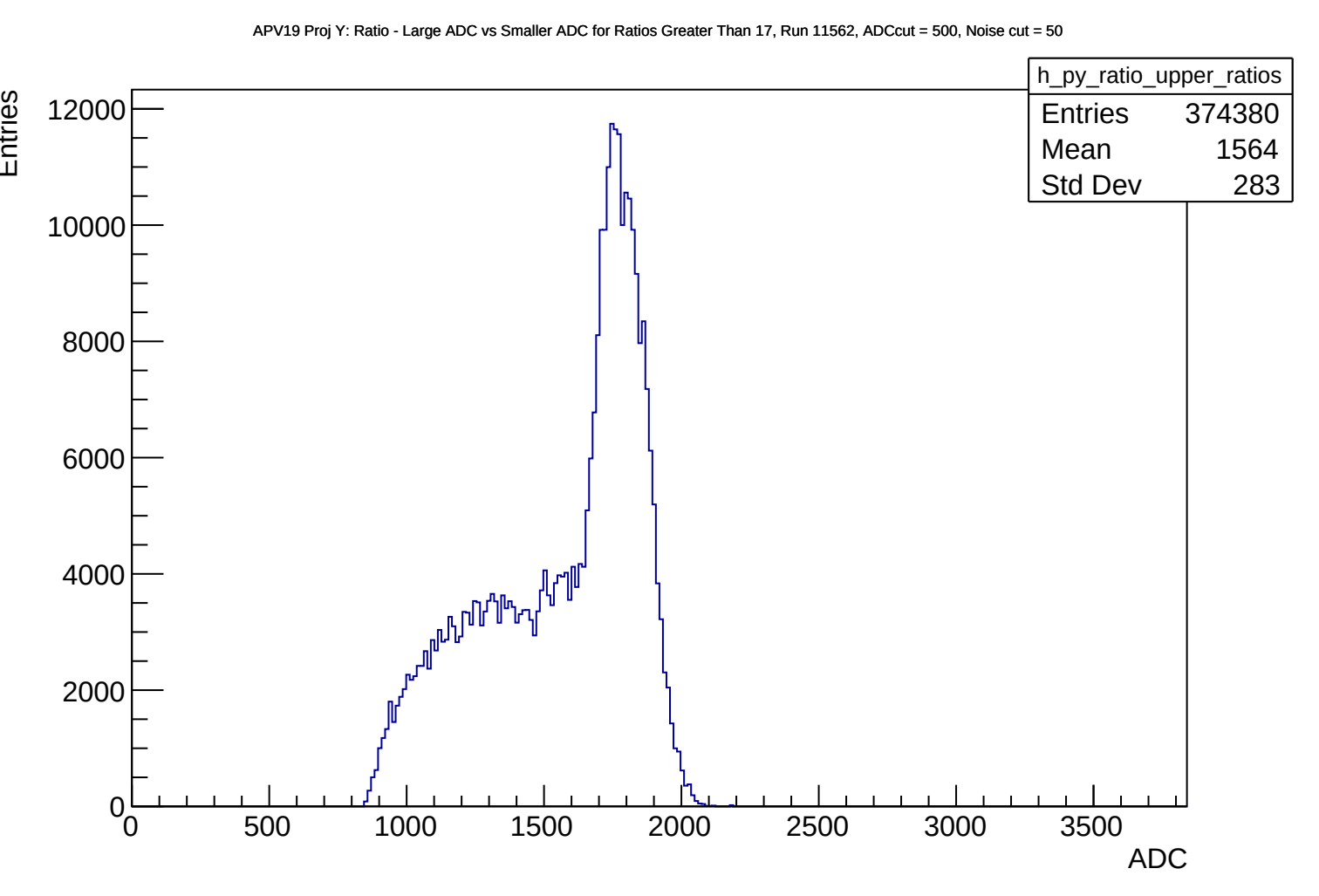

APV19 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 121065
Mean 1022
Std Dev 452.1
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500
4000

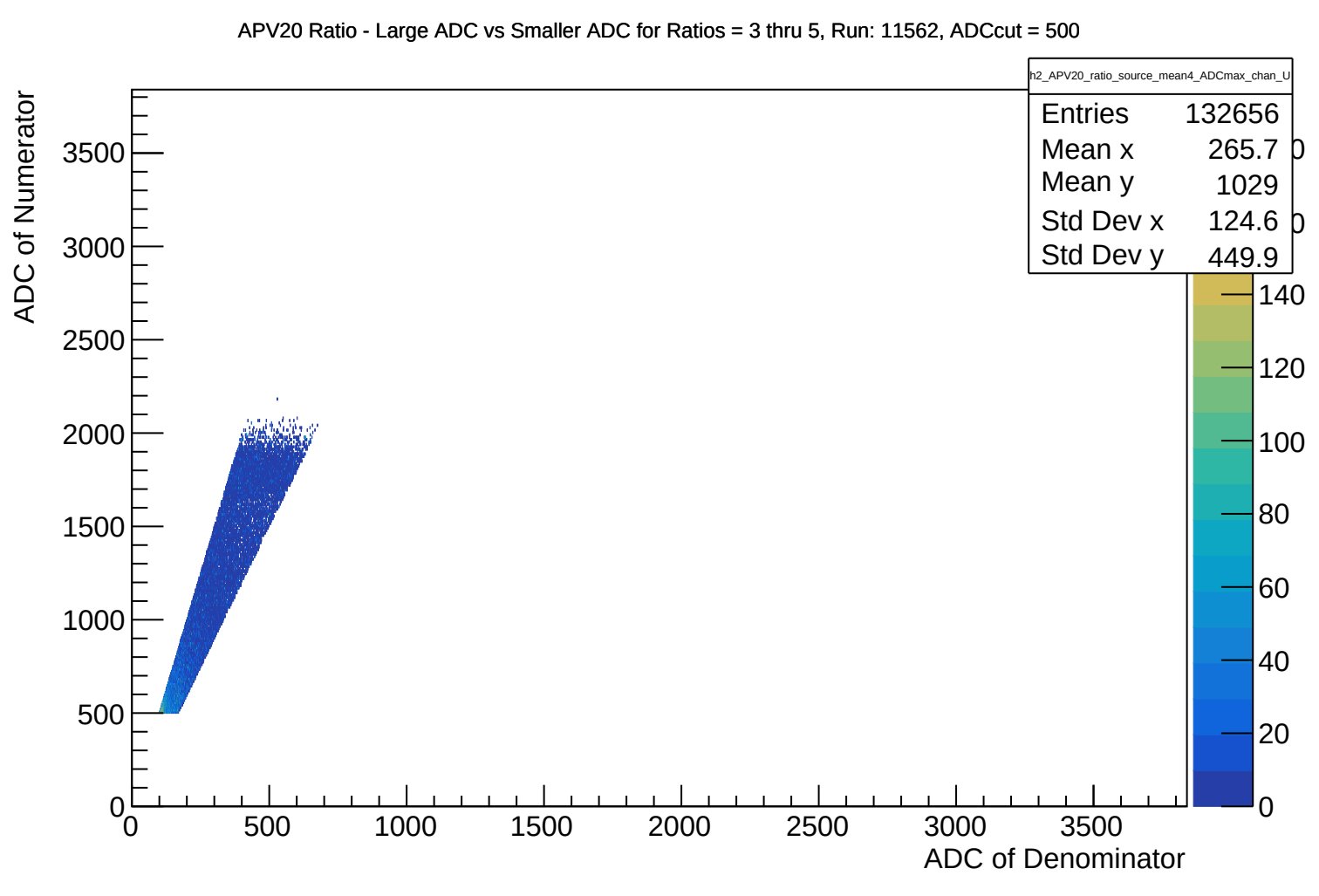

APV19 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 429918
Mean 115.3
Std Dev 53.01
Entries)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

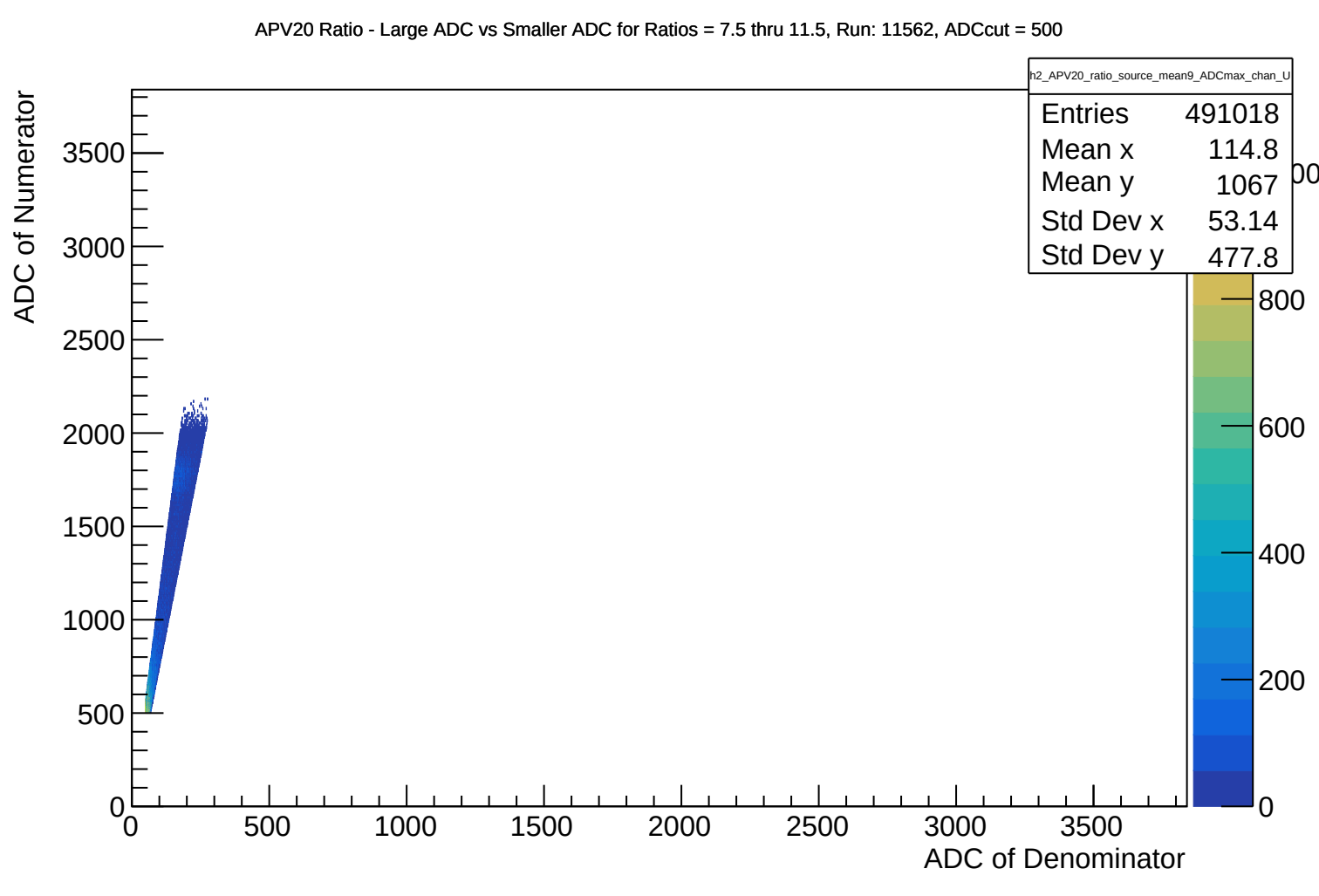

APV19 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 429918
Mean 1069
Std Dev 473.9
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

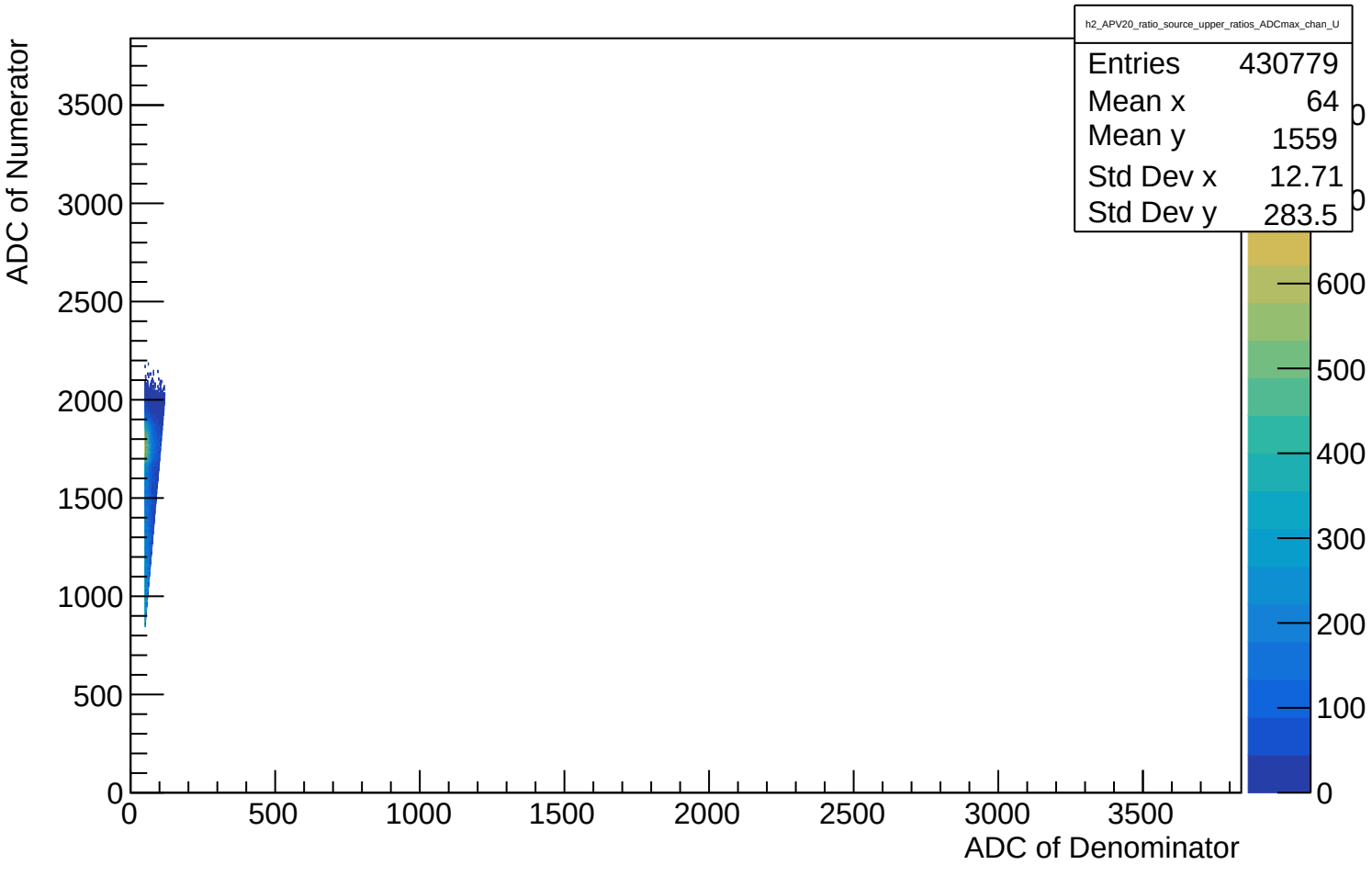
APV19 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

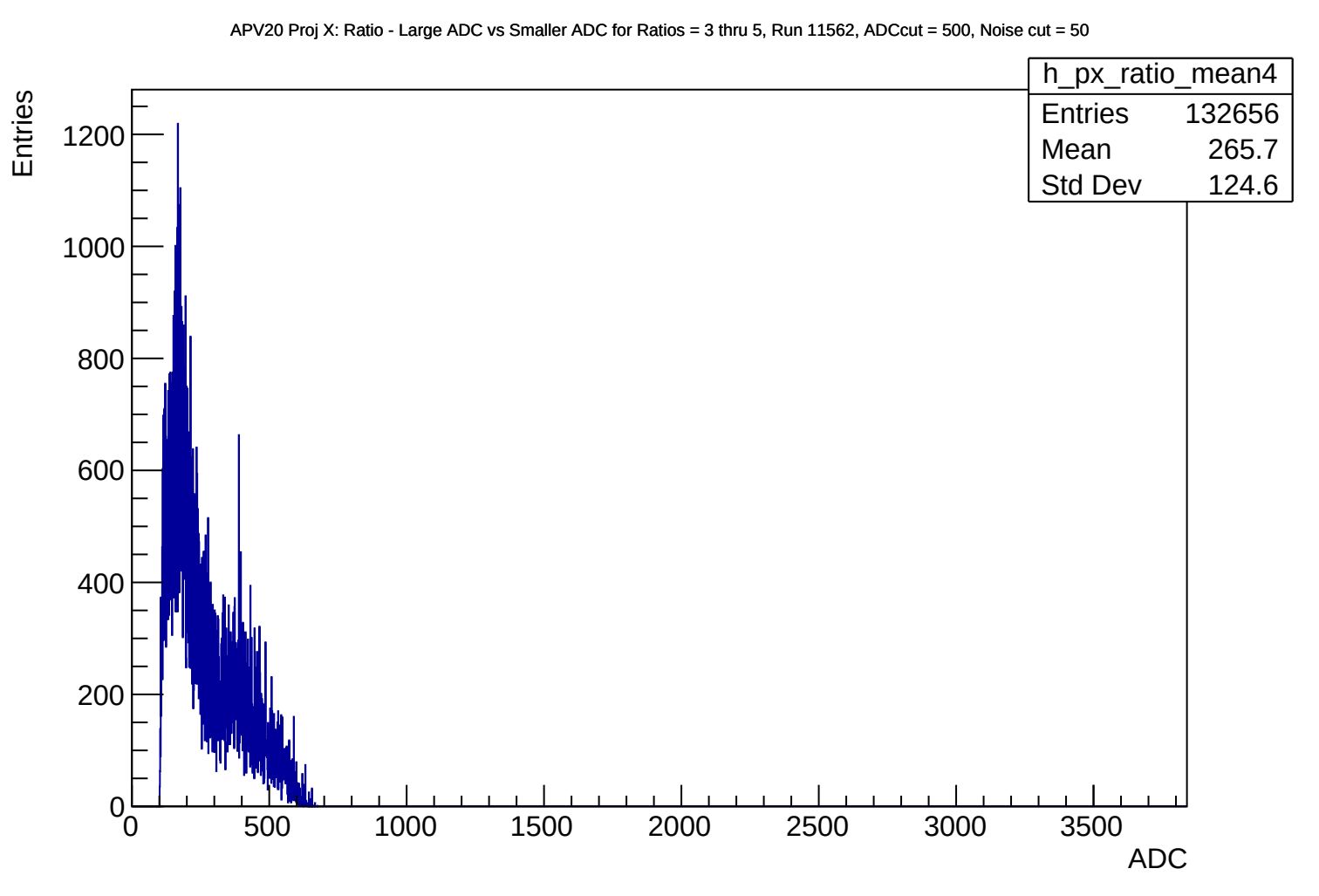


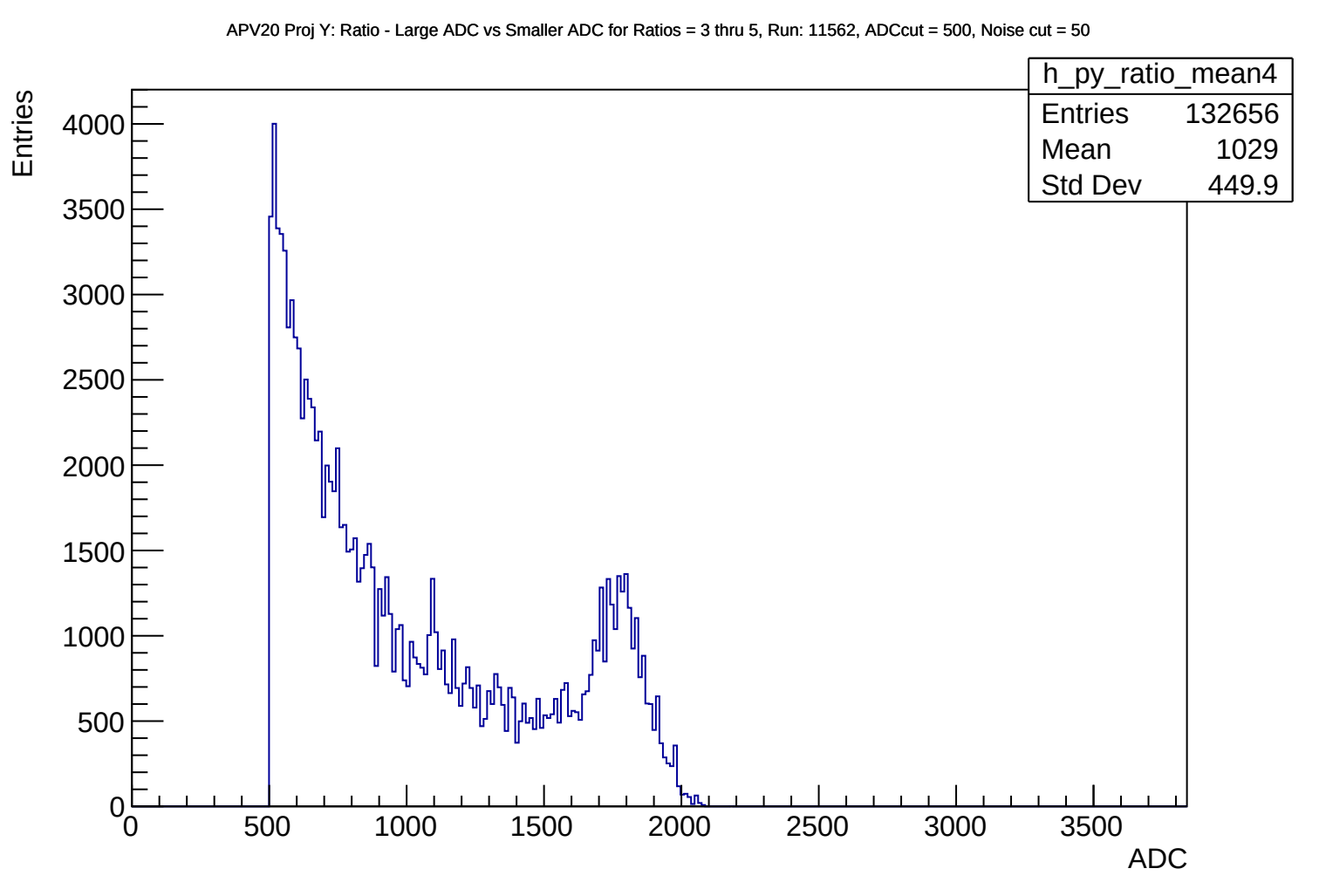

APV19 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 374380
Mean 1564
Std Dev 283
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

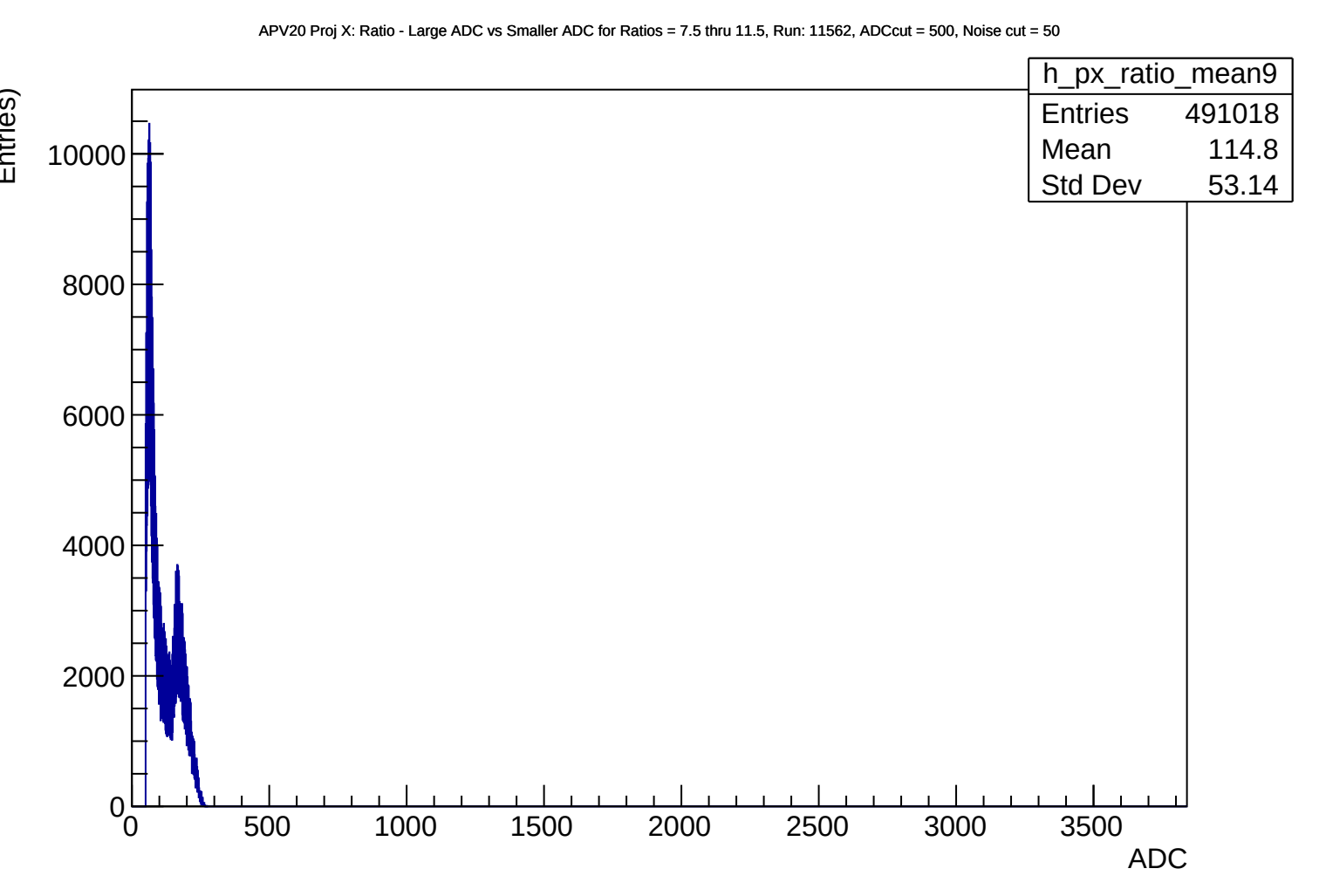

APV20 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV20_ratio_source_mean4_ADCmax_chan_U
Entries 132656
Mean x 265.7
Mean y 1029
Std Dev x 124.6
Std Dev y 449.9
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
20
40
60
80
100
120
140

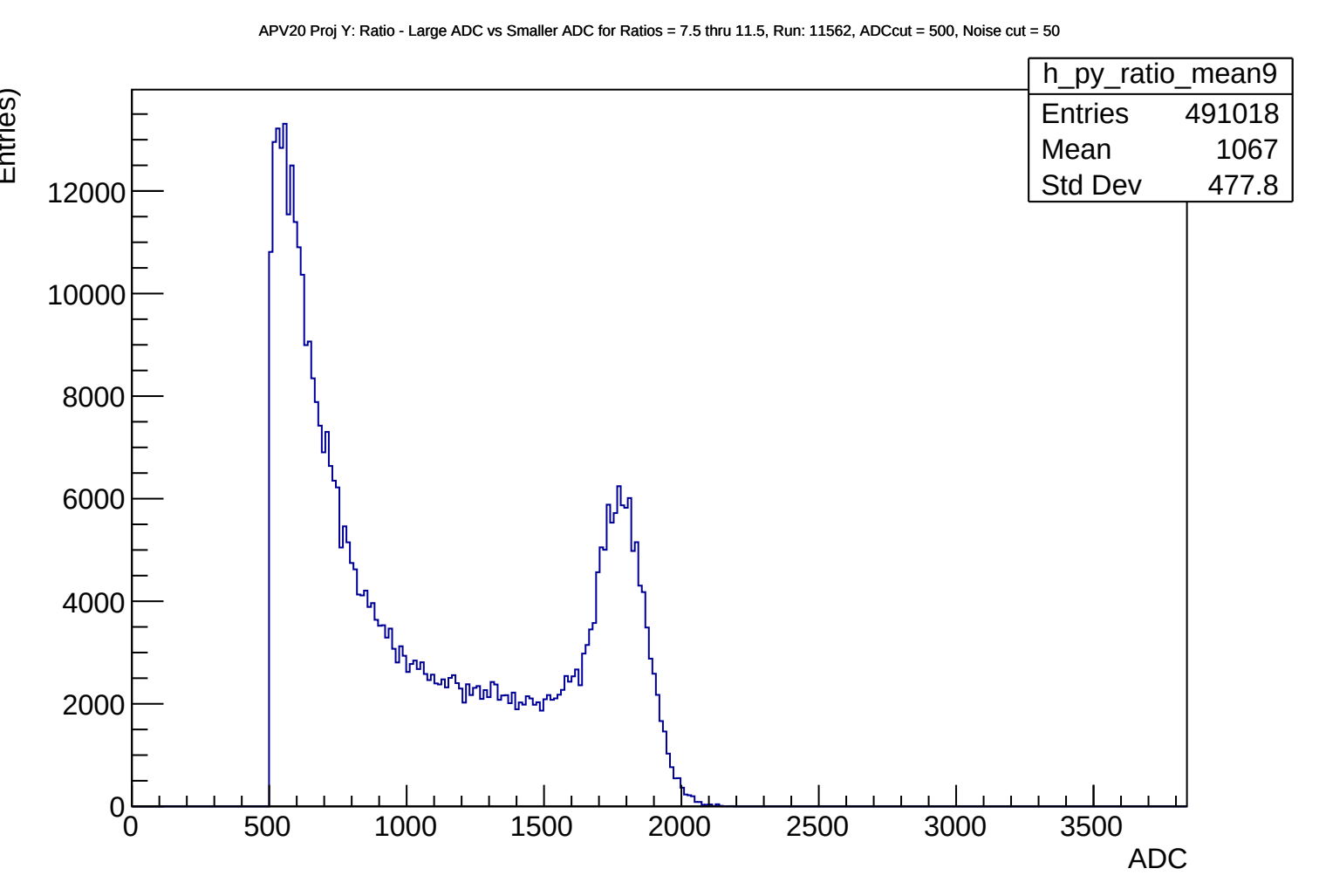

APV20 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV20_ratio_source_mean9_ADCmax_chan_U
Entries 491018
Mean x 114.8
Mean y 1067
Std Dev x 53.14
Std Dev y 477.8
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800

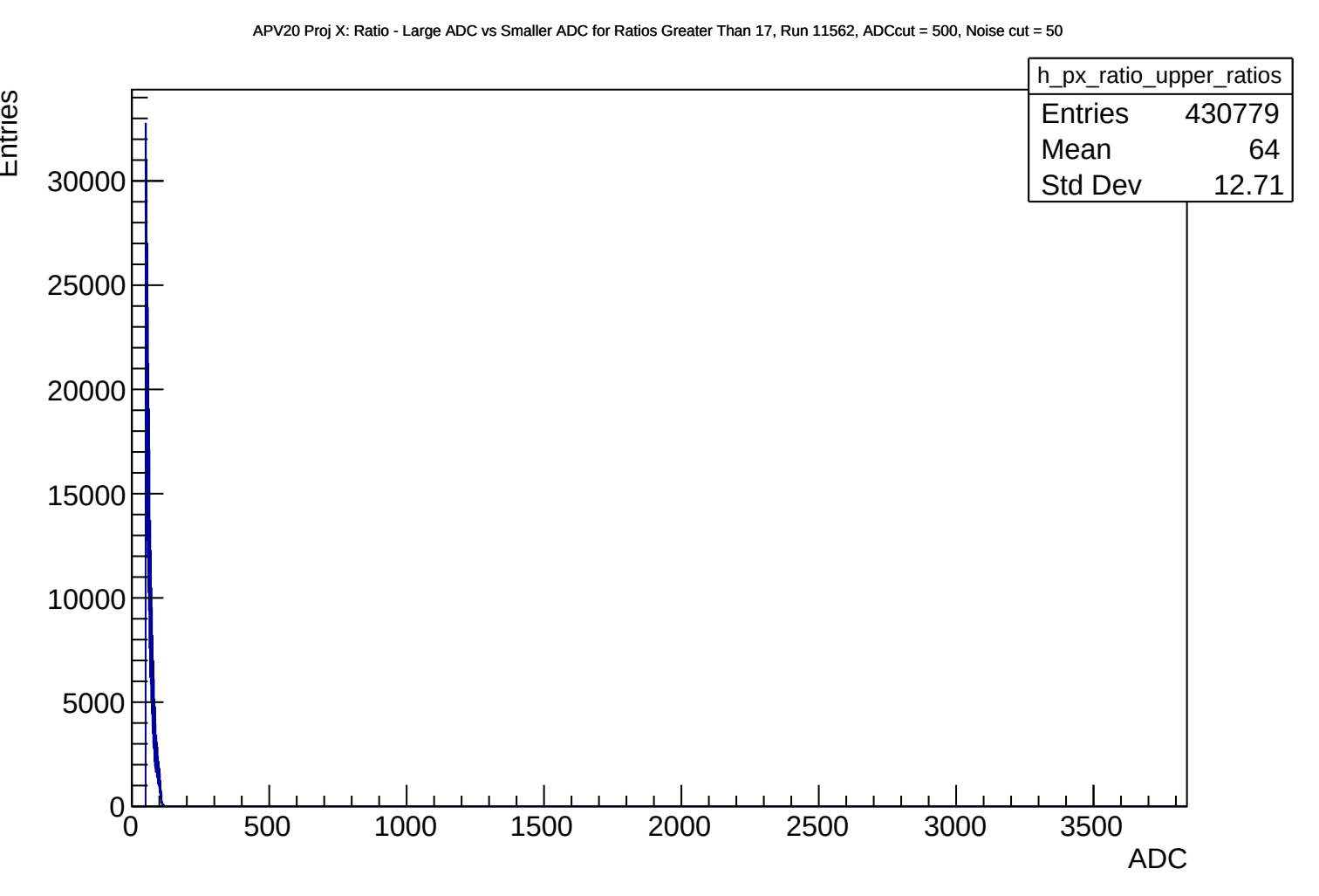

APV20 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV20_ratio_source_upper_ratios_ADCmax_chan_U
Entries 430779
Mean x 64
Mean y 1559
Std Dev x 12.71
Std Dev y 283.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600

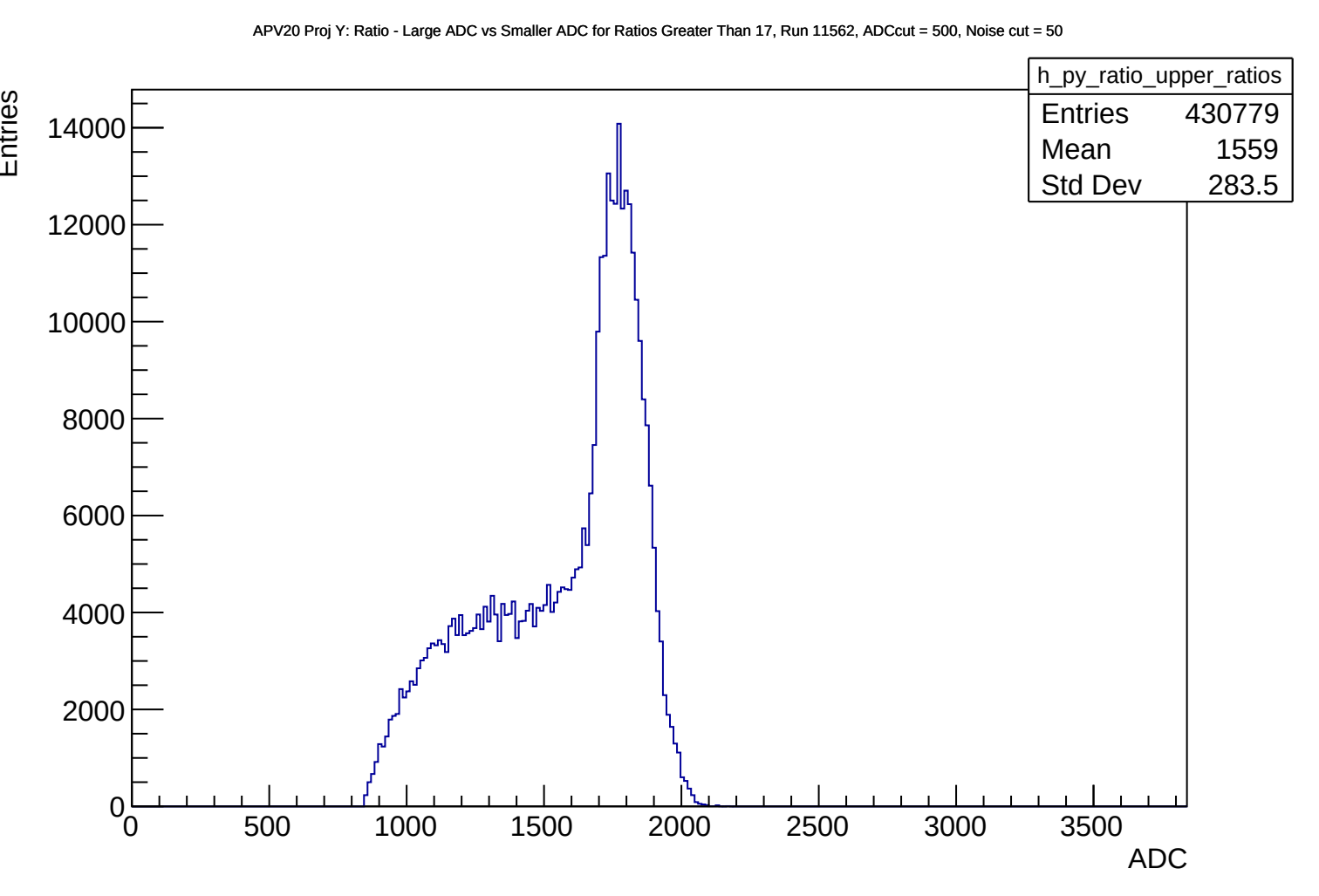

APV20 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 132656
Mean 265.7
Std Dev 124.6
Entries
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
3500
ADC

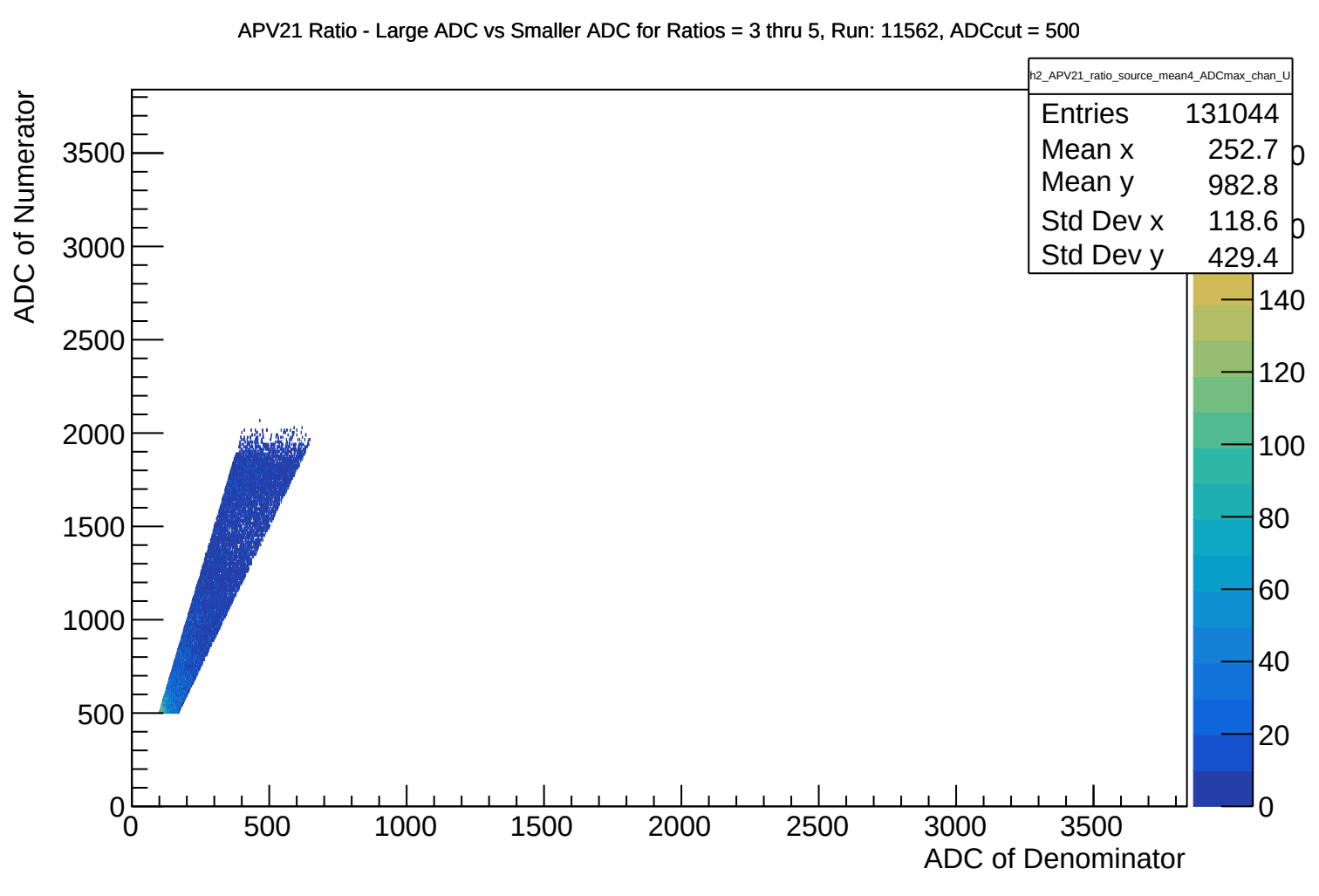

APV20 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 132656
Mean 1029
Std Dev 449.9
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500
4000

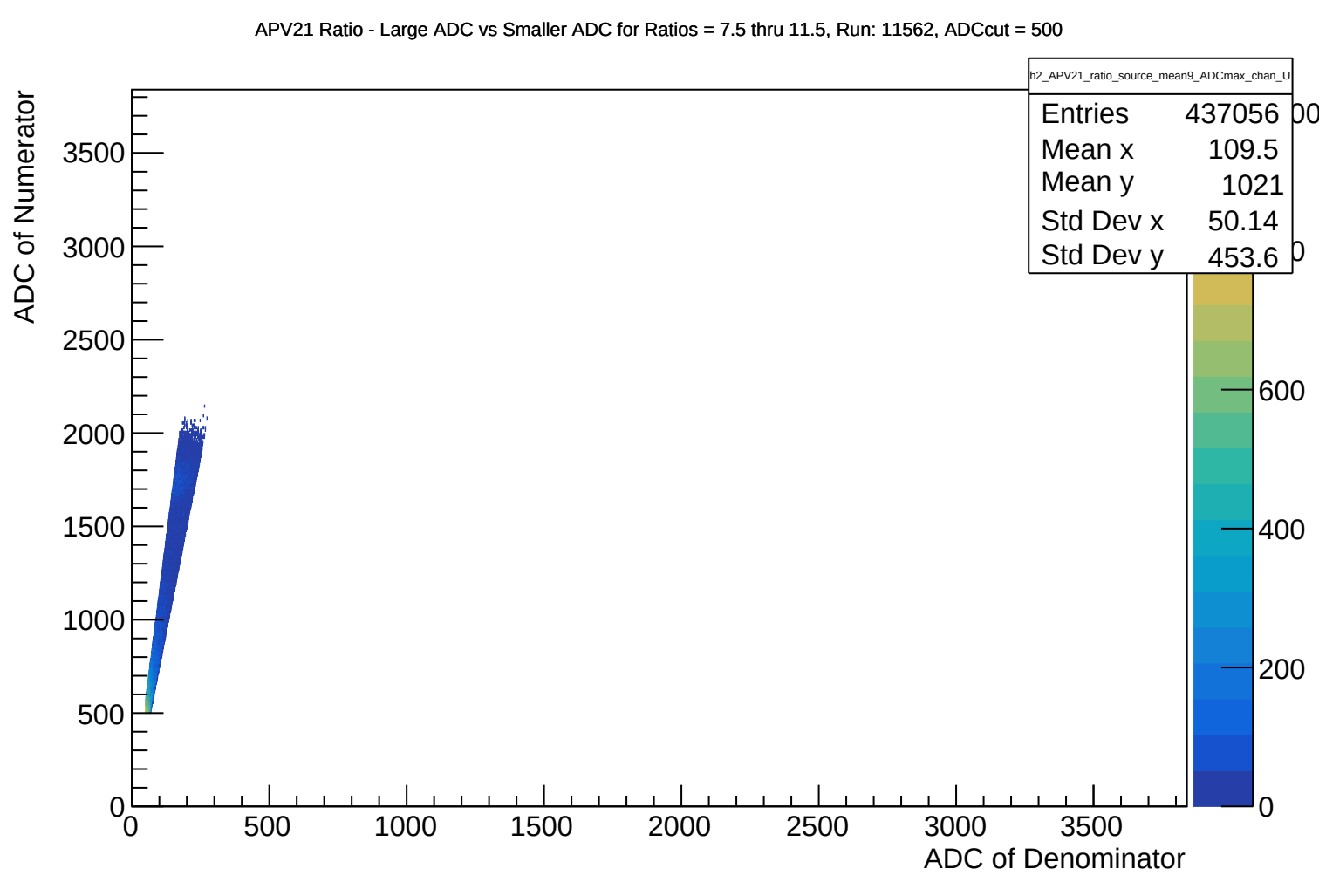

APV20 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 491018
Mean 114.8
Std Dev 53.14
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

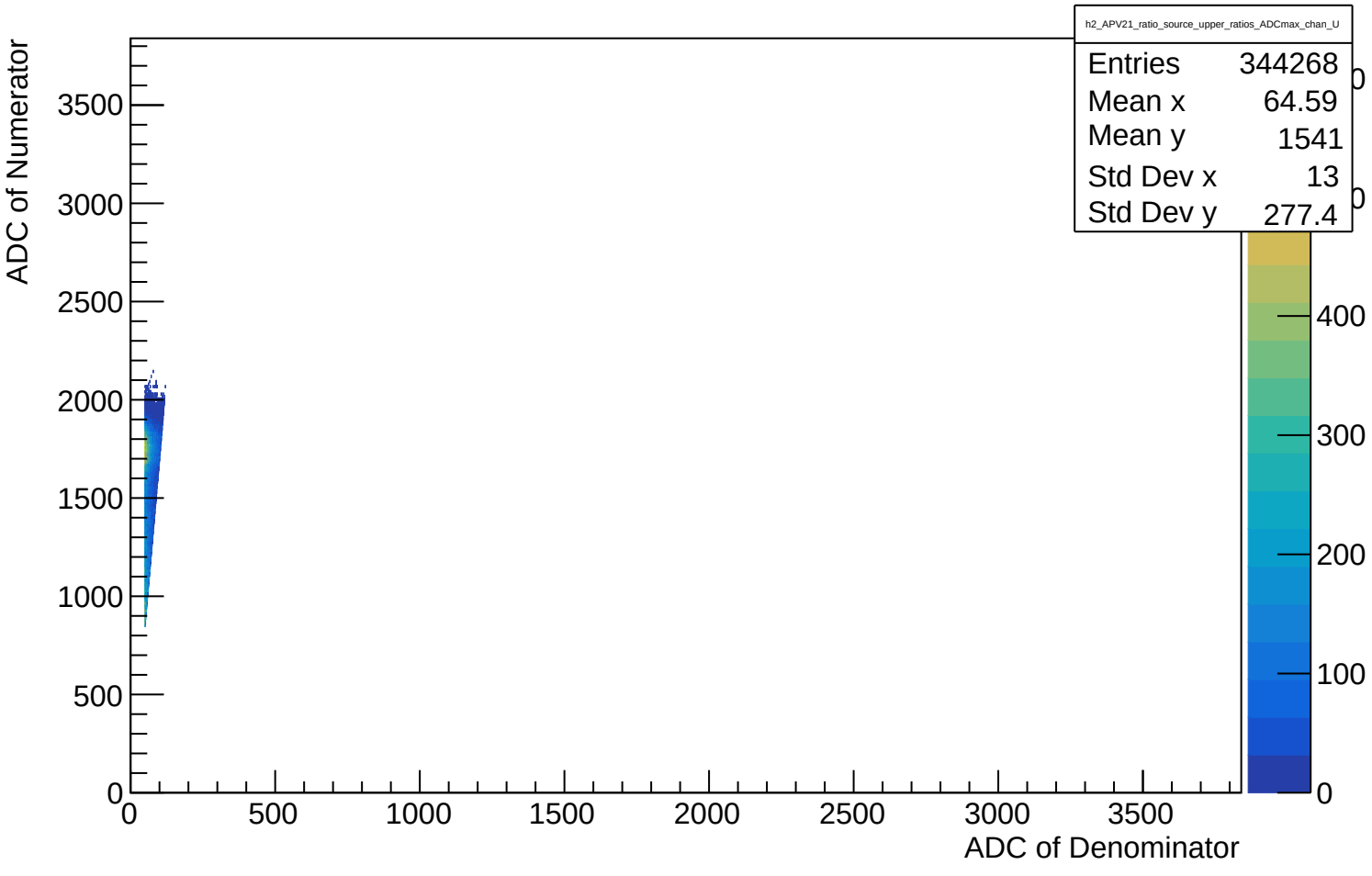

APV20 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 491018
Mean 1067
Std Dev 477.8
Entries)
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

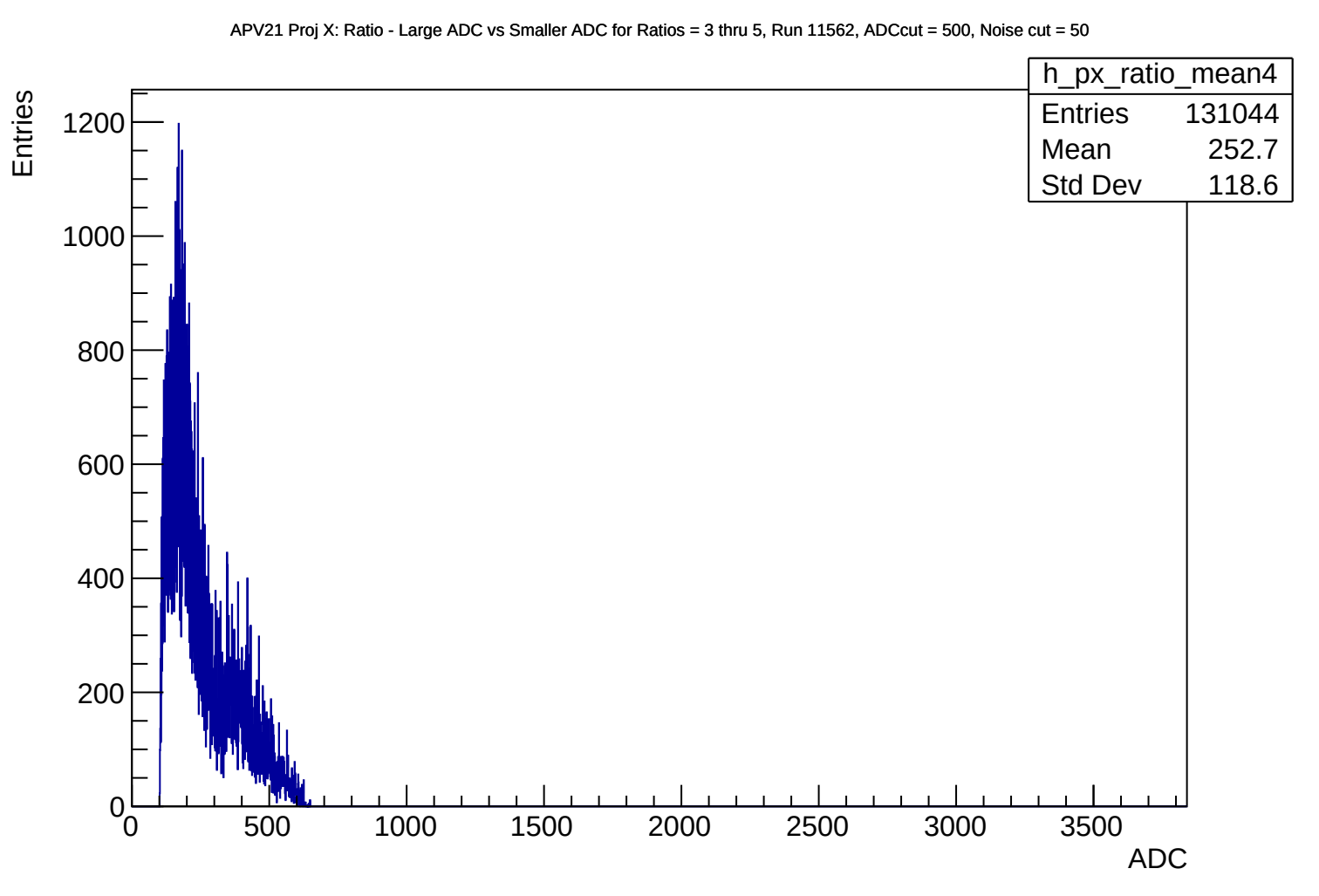

APV20 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 430779
Mean 64
Std Dev 12.71
Entries
30000
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

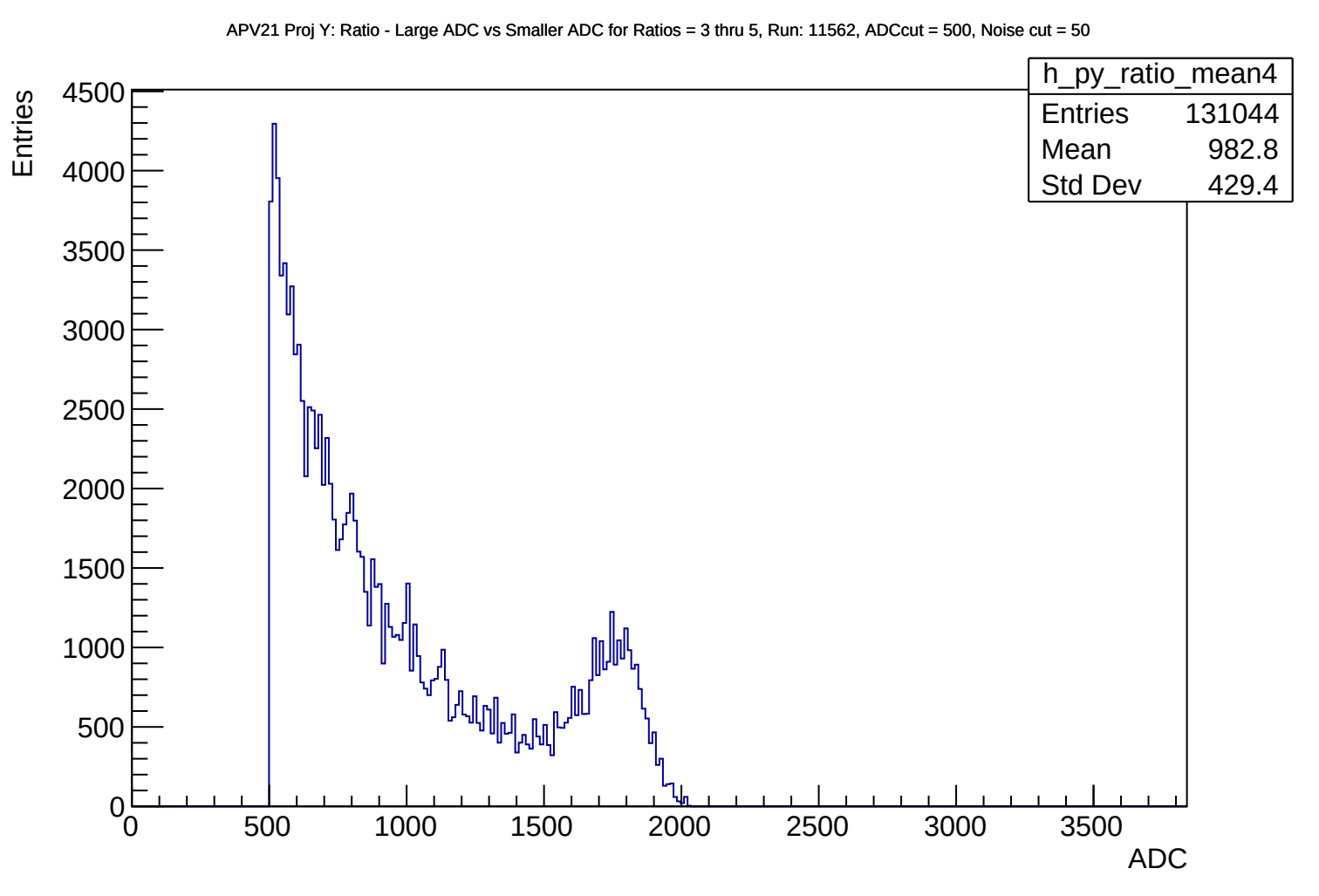

APV20 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 430779
Mean 1559
Std Dev 283.5
Entries
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

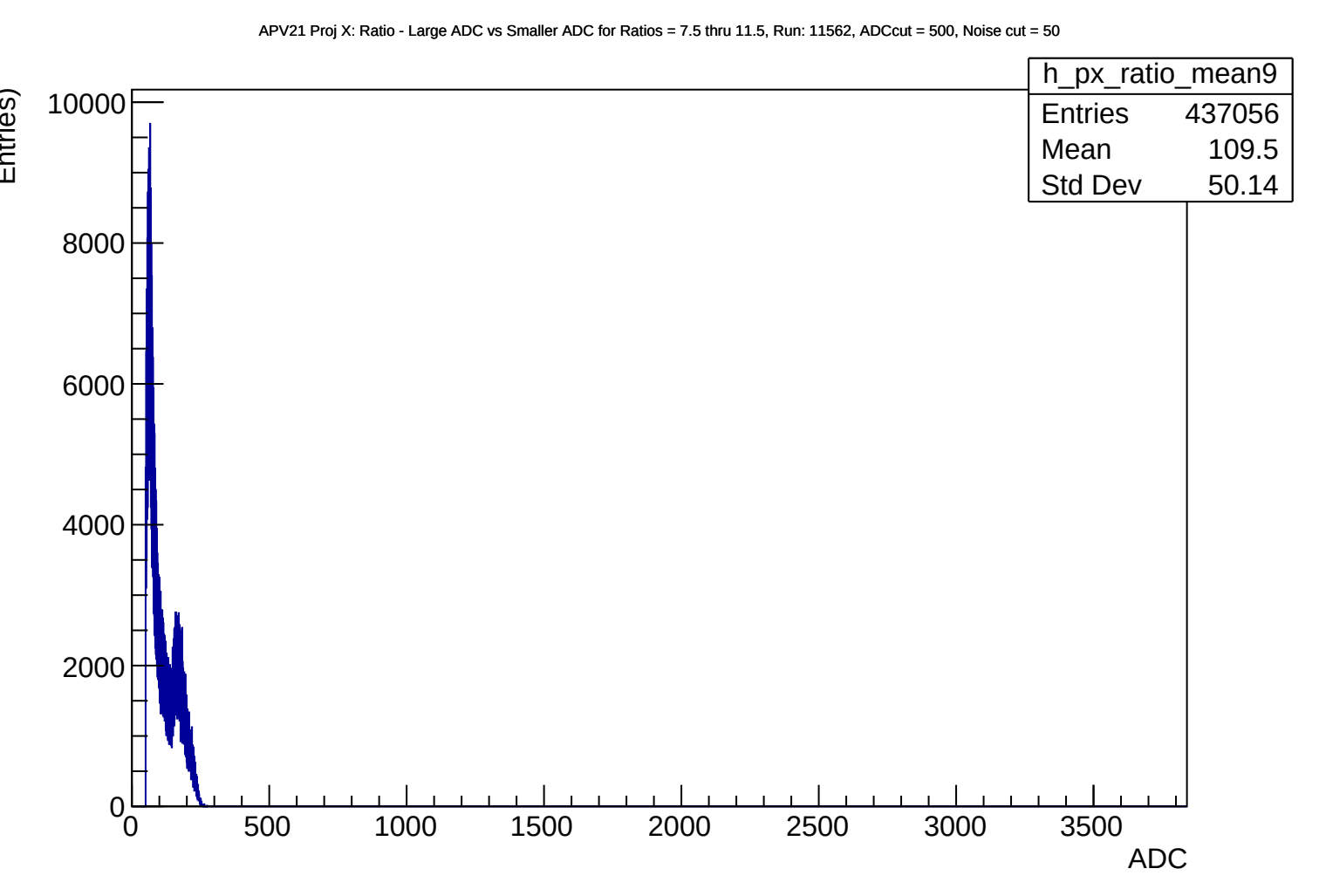

APV21 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV21_ratio_source_mean4_ADCmax_chan_U
Entries 131044
Mean x 252.7
Mean y 982.8
Std Dev x 118.6
Std Dev y 429.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140

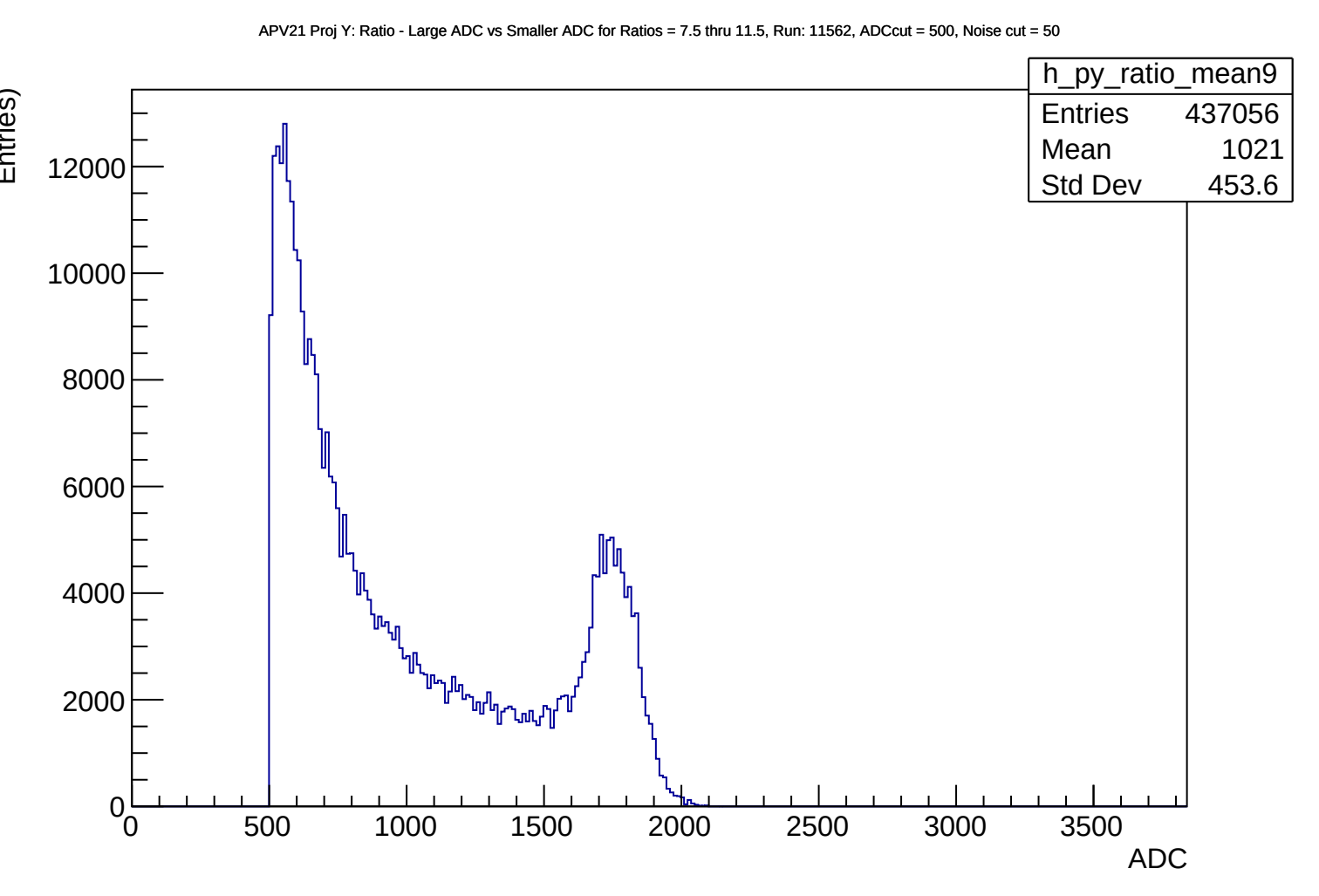

APV21 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV21_ratio_source_mean9_ADCmax_chan_U
Entries 437056
Mean x 109.5
Mean y 1021
Std Dev x 50.14
Std Dev y 453.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600

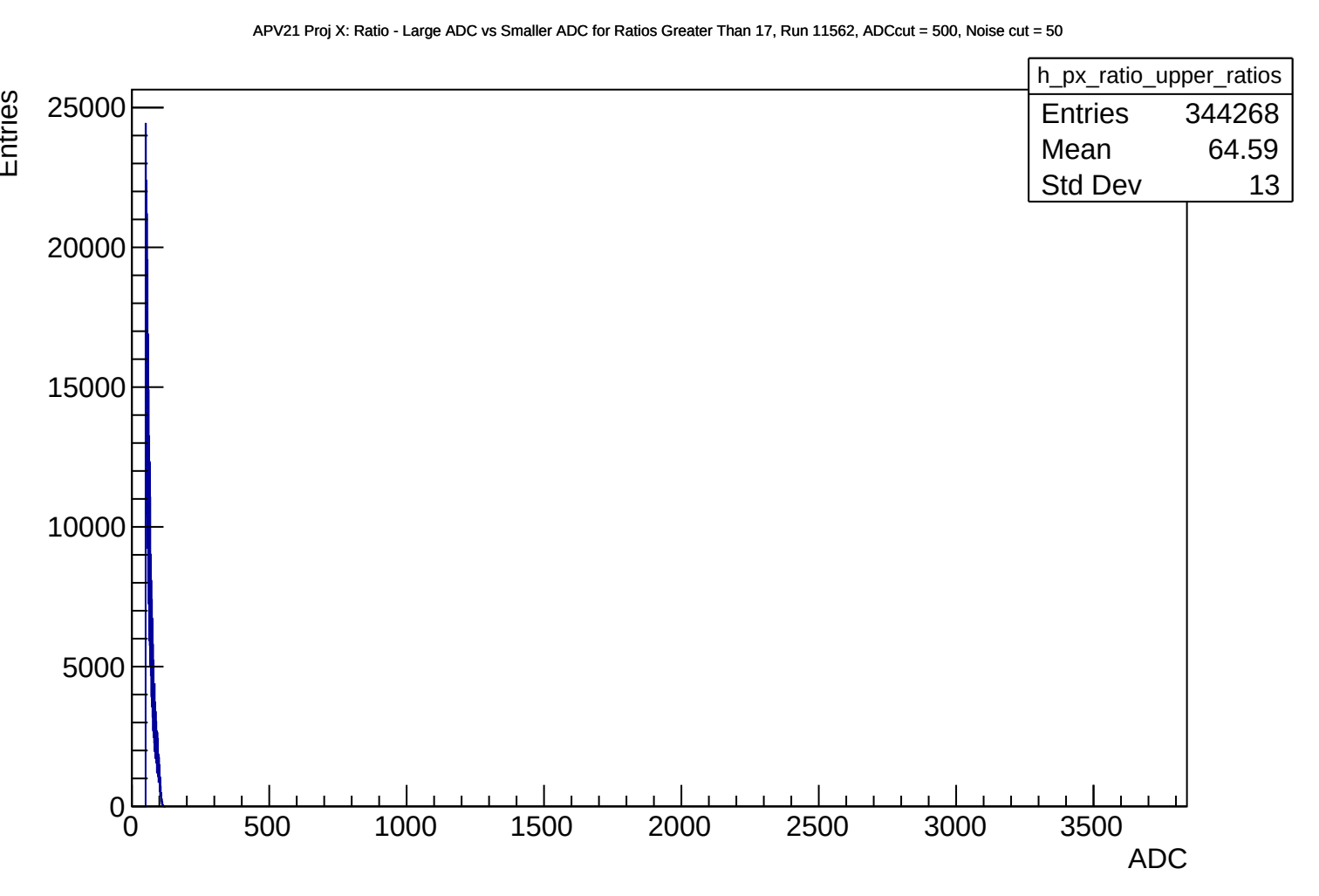

APV21 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV21_ratio_source_upper_ratios_ADCmax_chan_U
Entries 344268
Mean x 64.59
Mean y 1541
Std Dev x 13
Std Dev y 277.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

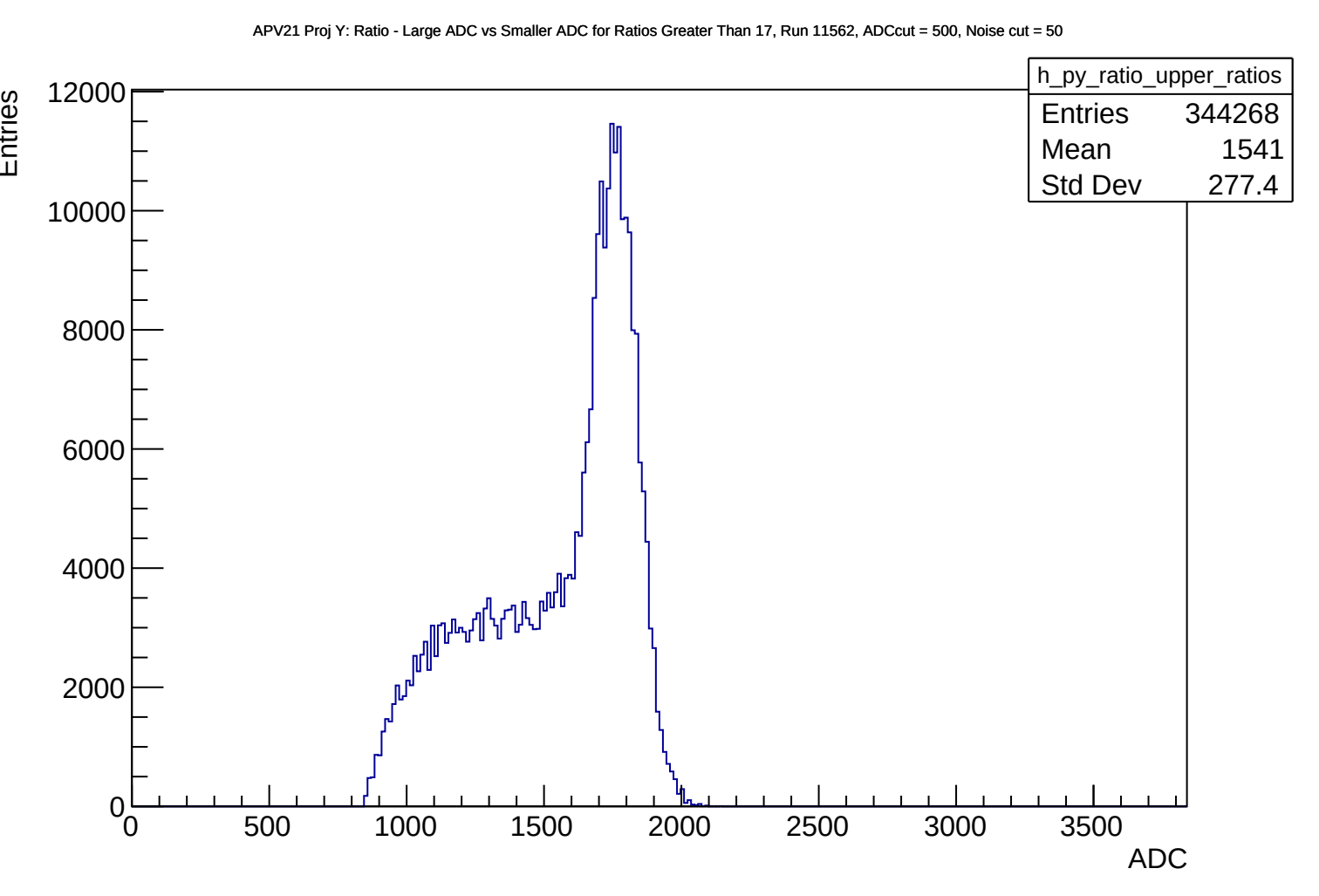

APV21 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 131044
Mean 252.7
Std Dev 118.6
Entries
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
3500
ADC

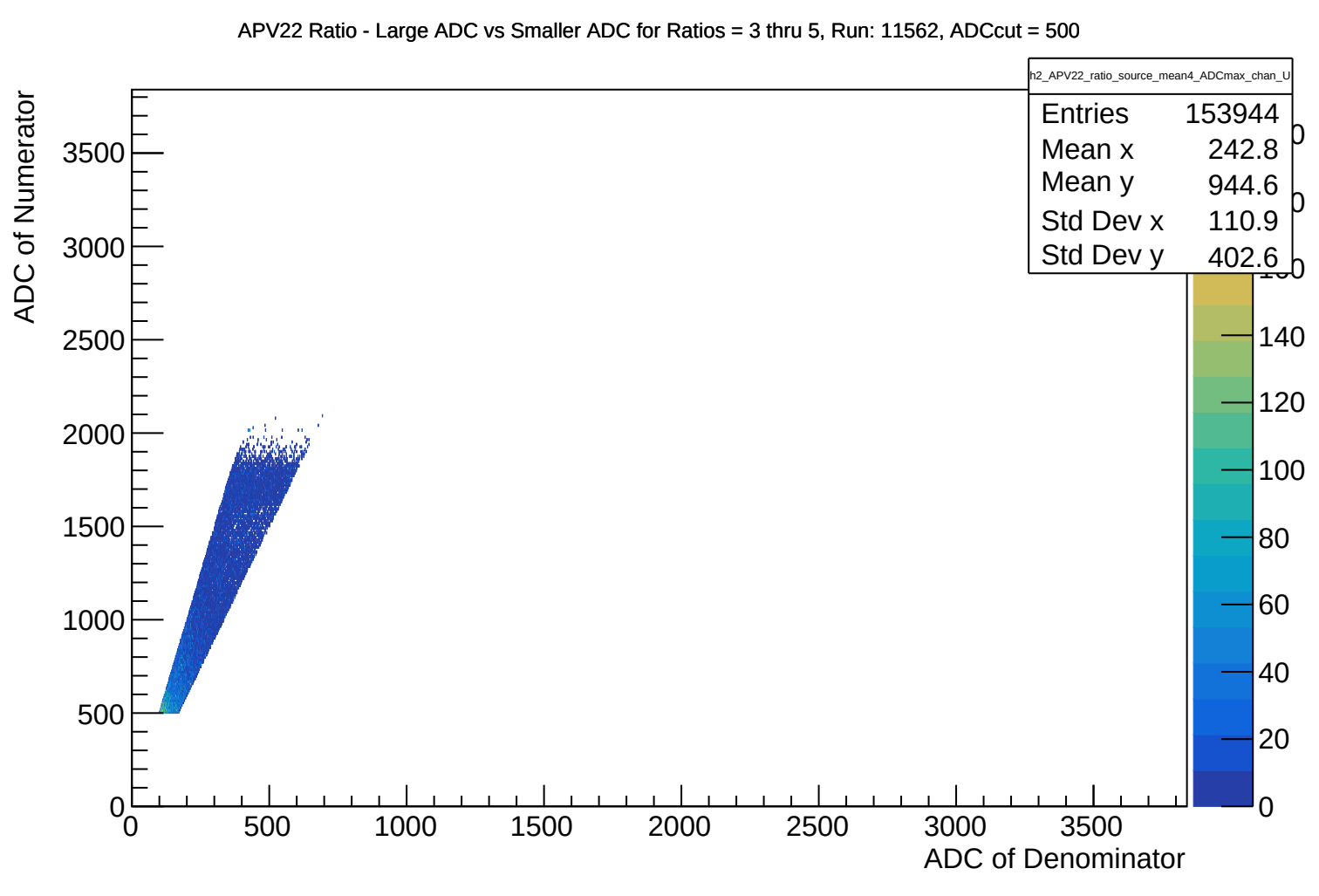

APV21 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 131044
Mean 982.8
Std Dev 429.4
Entries
ADC
0
500
1000
1500
2000
2500
3000
3500
4000
4500

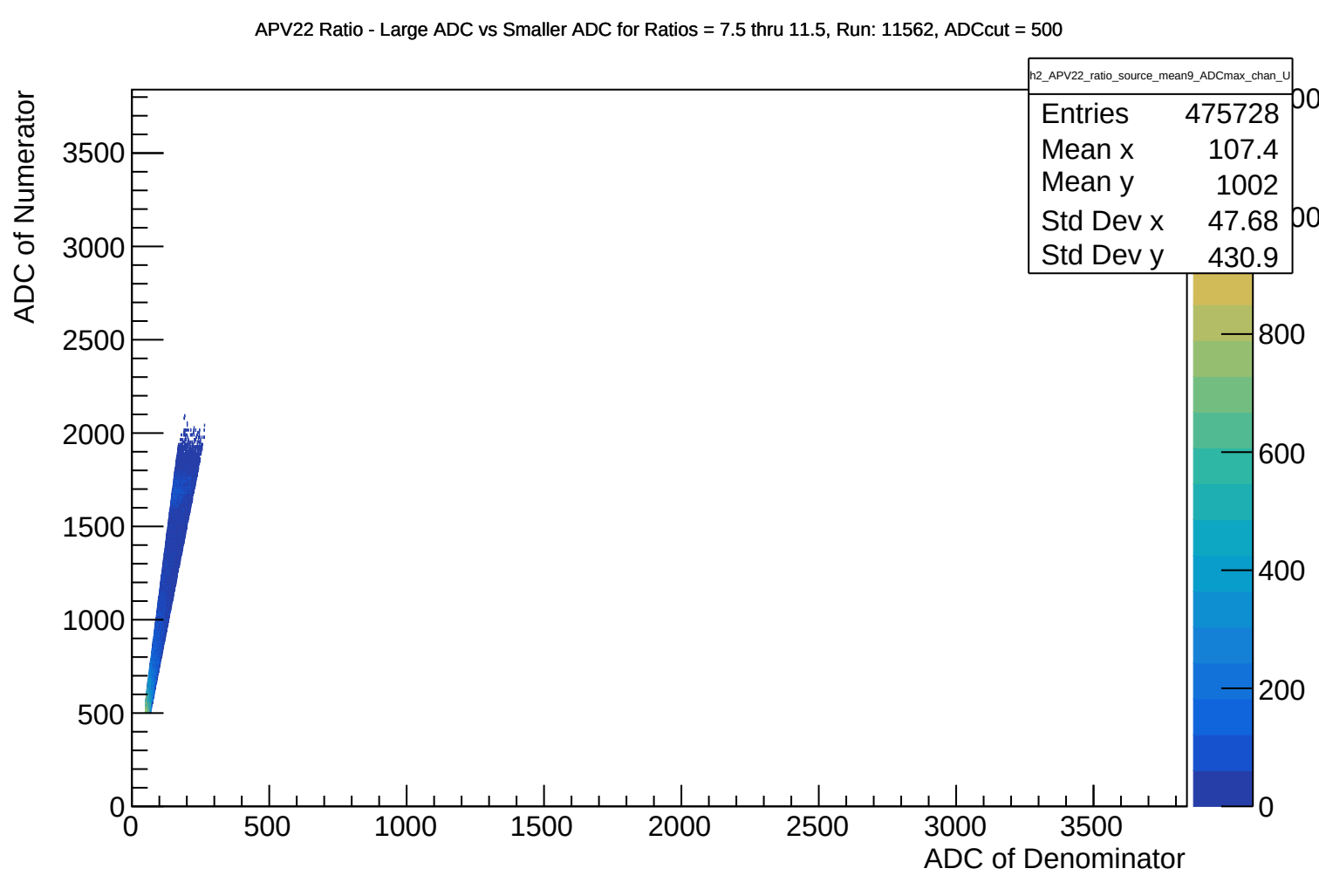

APV21 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 437056
Mean 109.5
Std Dev 50.14
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

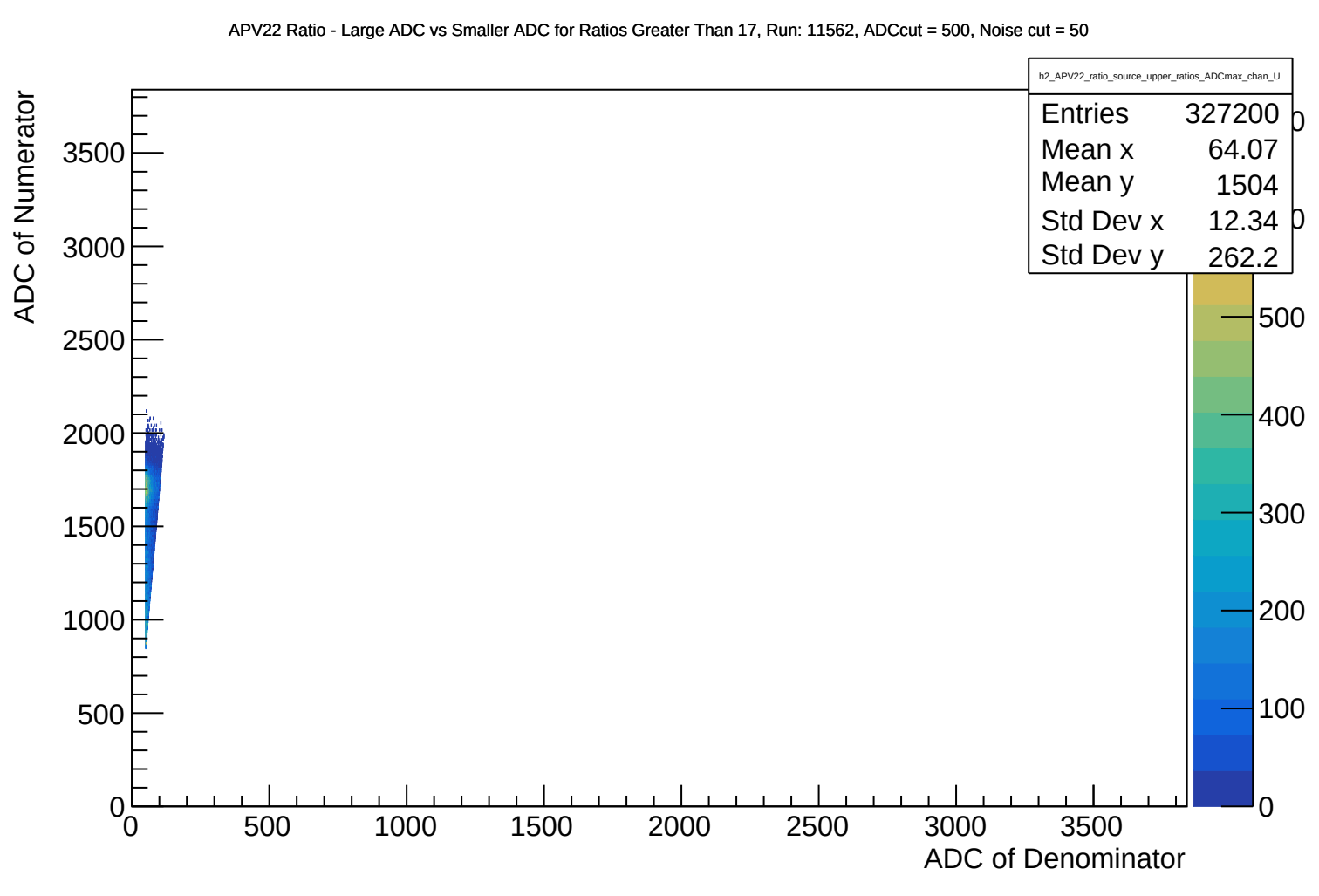

APV21 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 437056
Mean 1021
Std Dev 453.6
Entries)
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

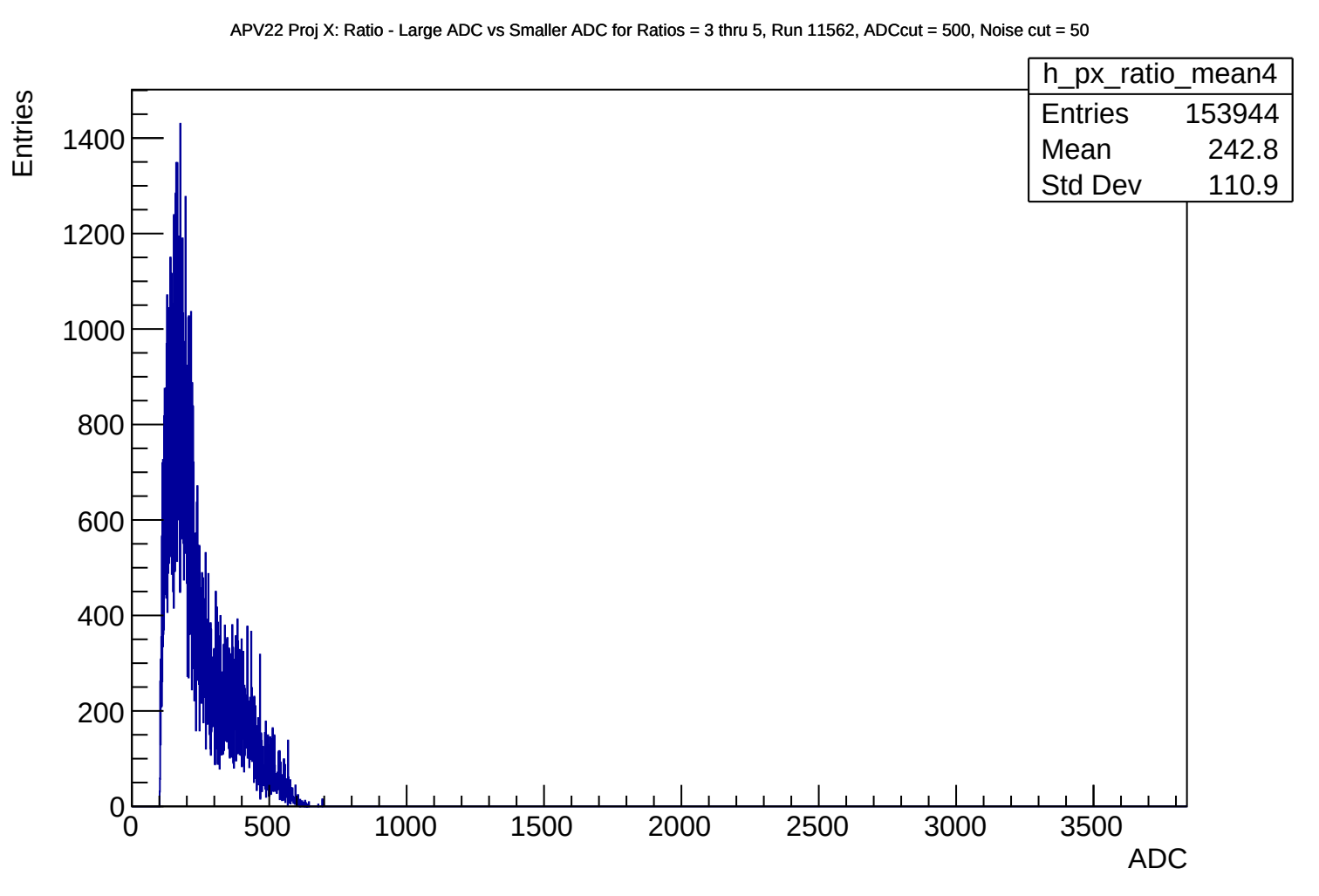

APV21 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 344268
Mean 64.59
Std Dev 13
Entries
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

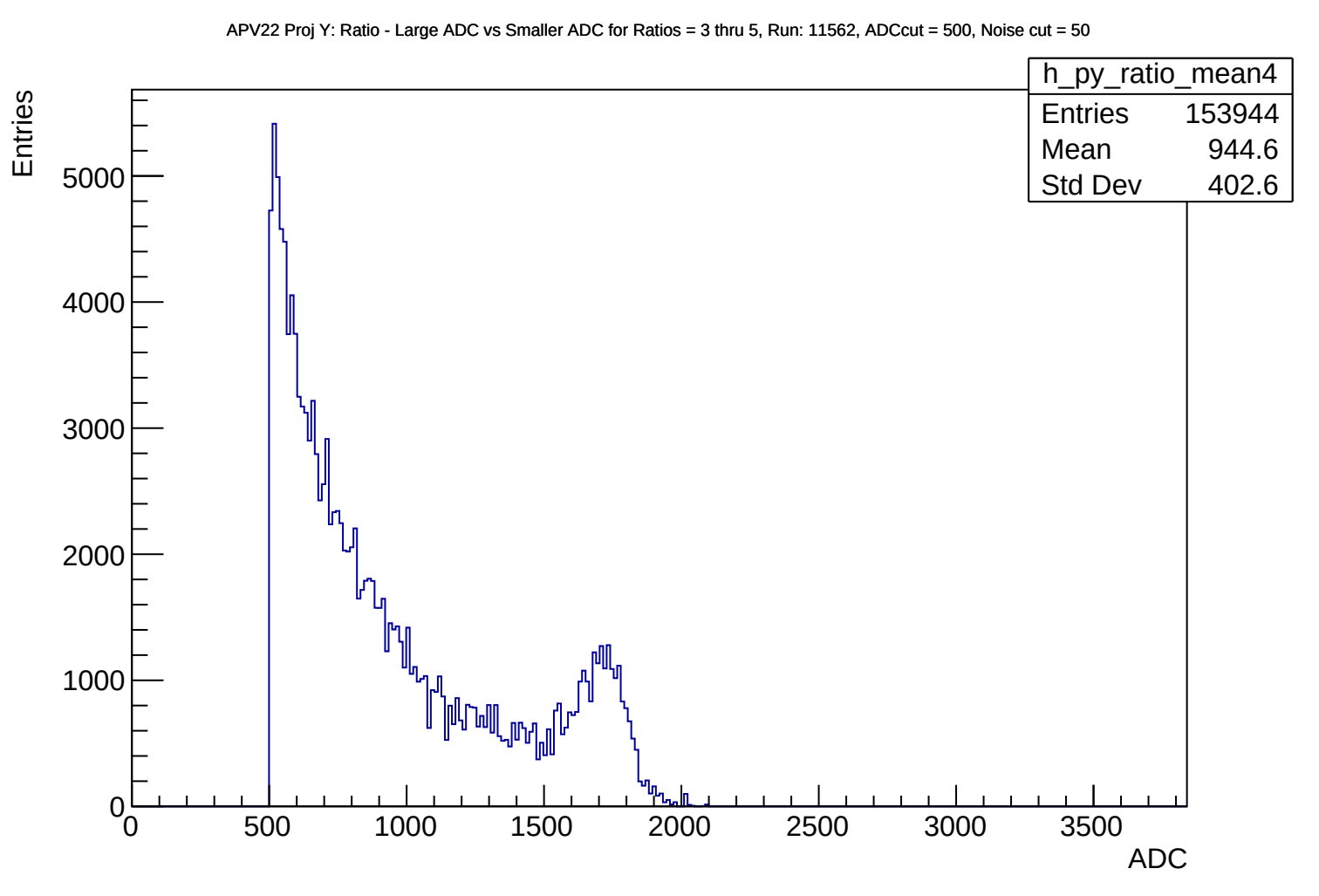

APV21 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 344268
Mean 1541
Std Dev 277.4
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

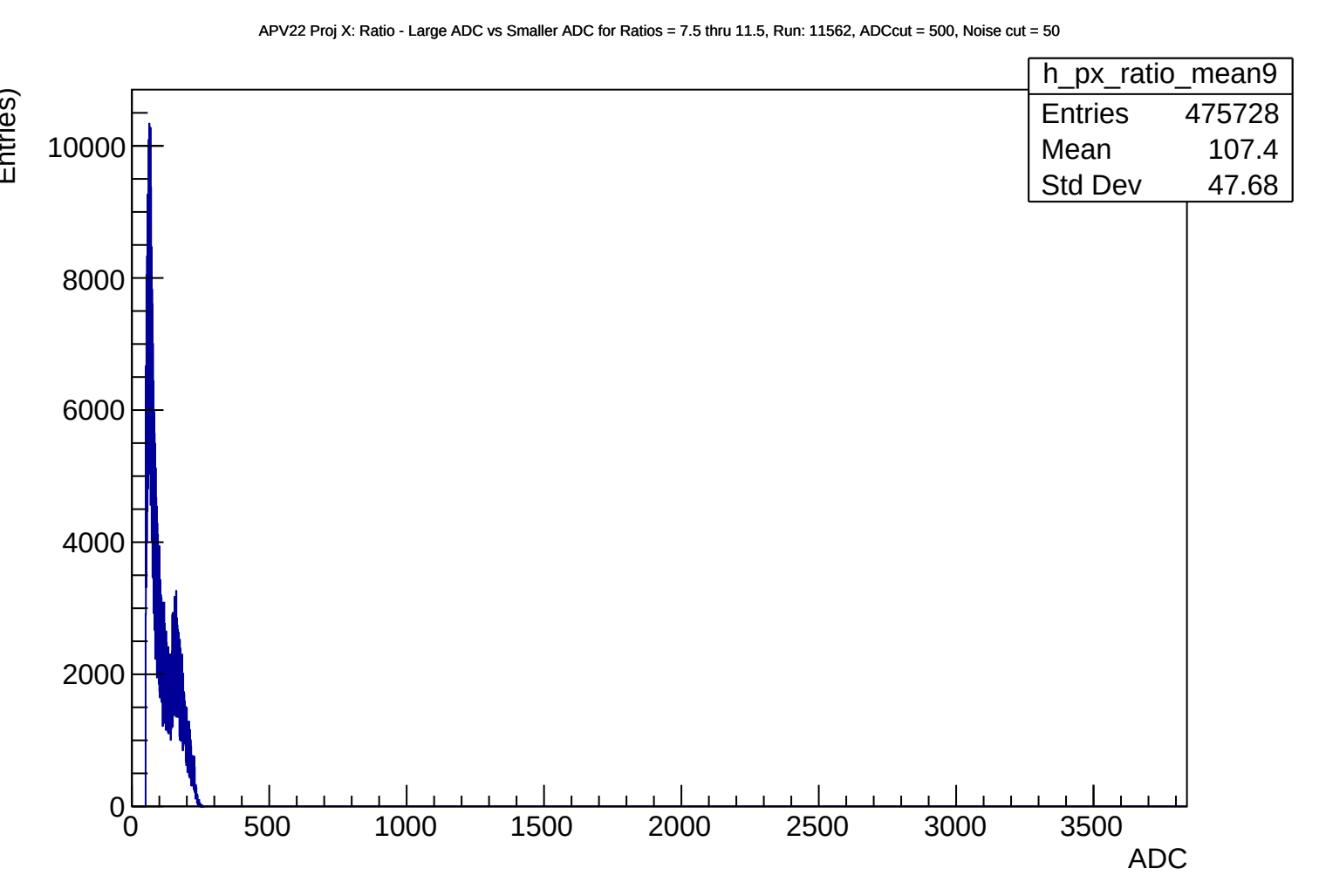

APV22 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV22_ratio_source_mean4_ADCmax_chan_U
Entries 153944
Mean x 242.8
Mean y 944.6
Std Dev x 110.9
Std Dev y 402.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140

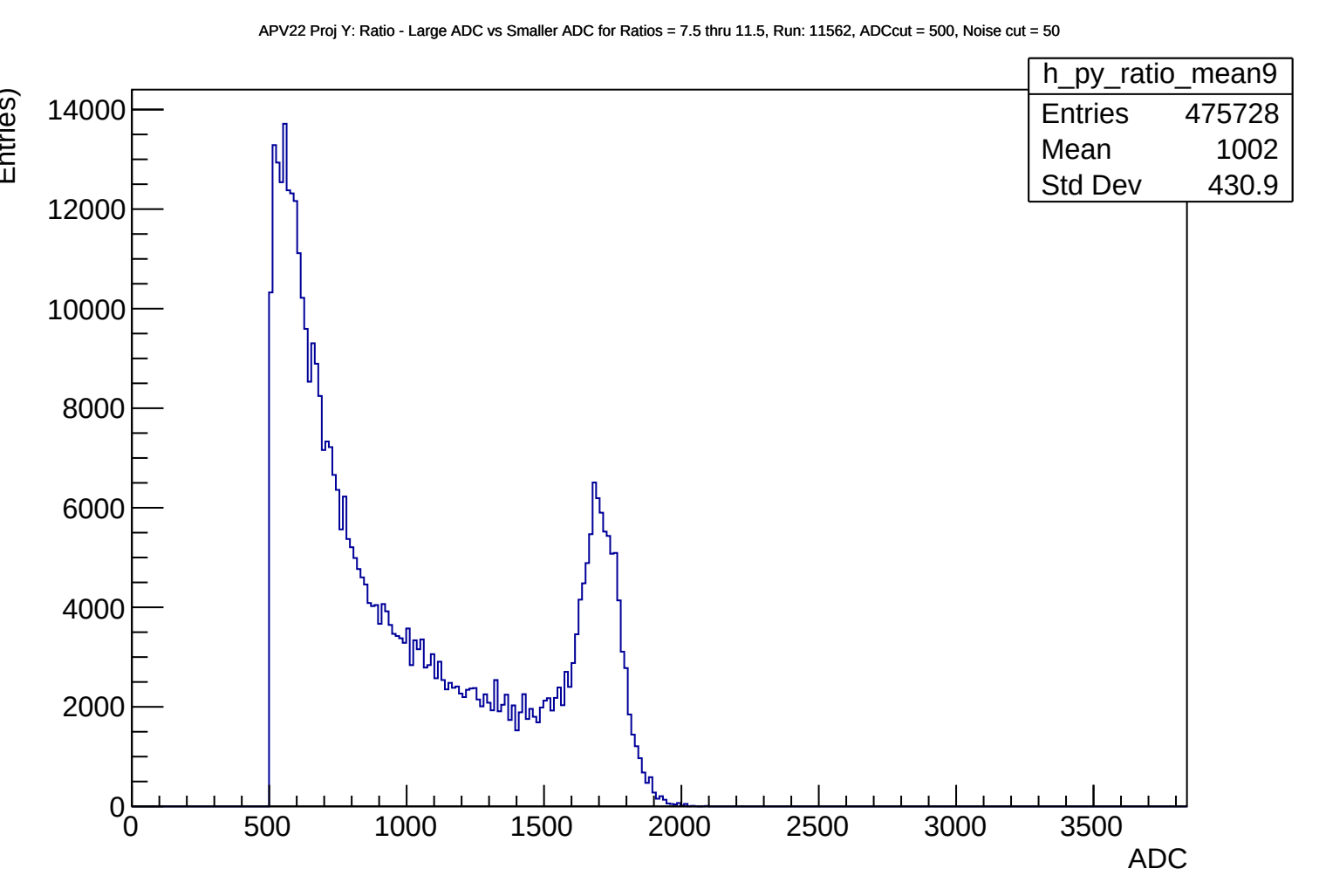

APV22 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV22_ratio_source_mean9_ADCmax_chan_U
Entries 475728
Mean x 107.4
Mean y 1002
Std Dev x 47.68
Std Dev y 430.9
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800


APV22 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV22_ratio_source_upper_ratios_ADCmax_chan_U
Entries 327200
Mean x 64.07
Mean y 1504
Std Dev x 12.34
Std Dev y 262.2
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

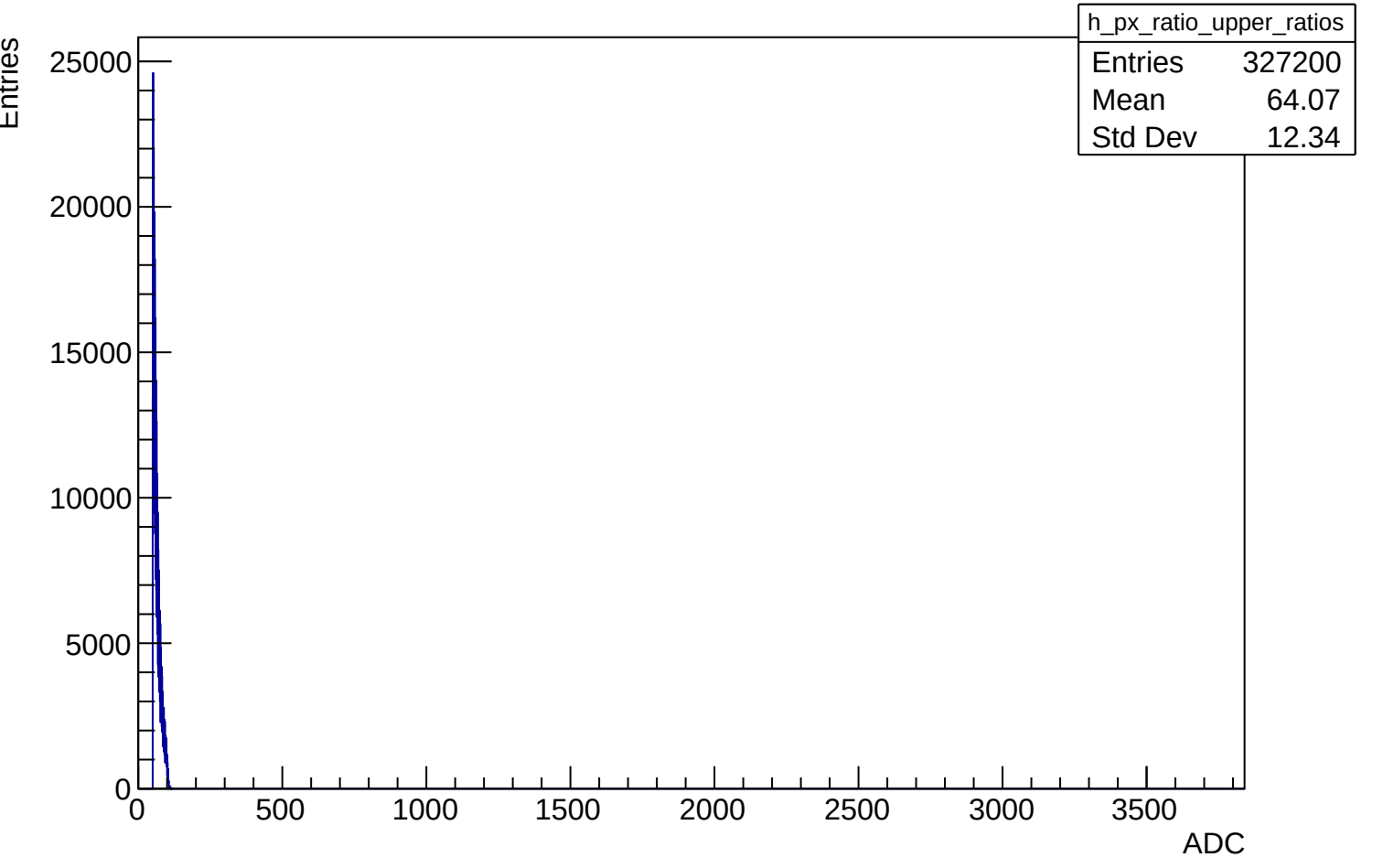

APV22 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 153944
Mean 242.8
Std Dev 110.9
Entries
0
200
400
600
800
1000
1200
1400
0
500
1000
1500
2000
2500
3000
3500
ADC

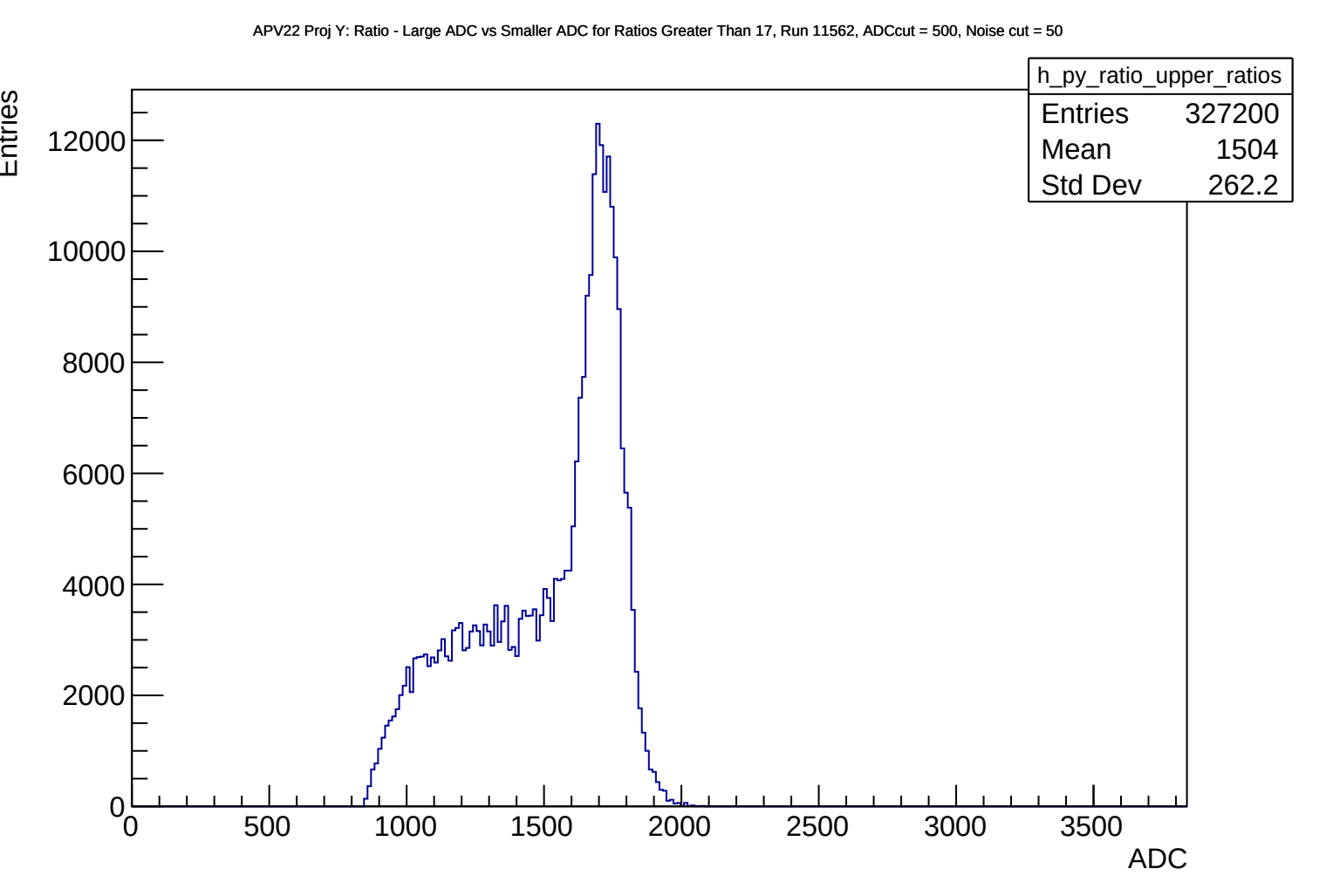

APV22 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 153944
Mean 944.6
Std Dev 402.6
Entries
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

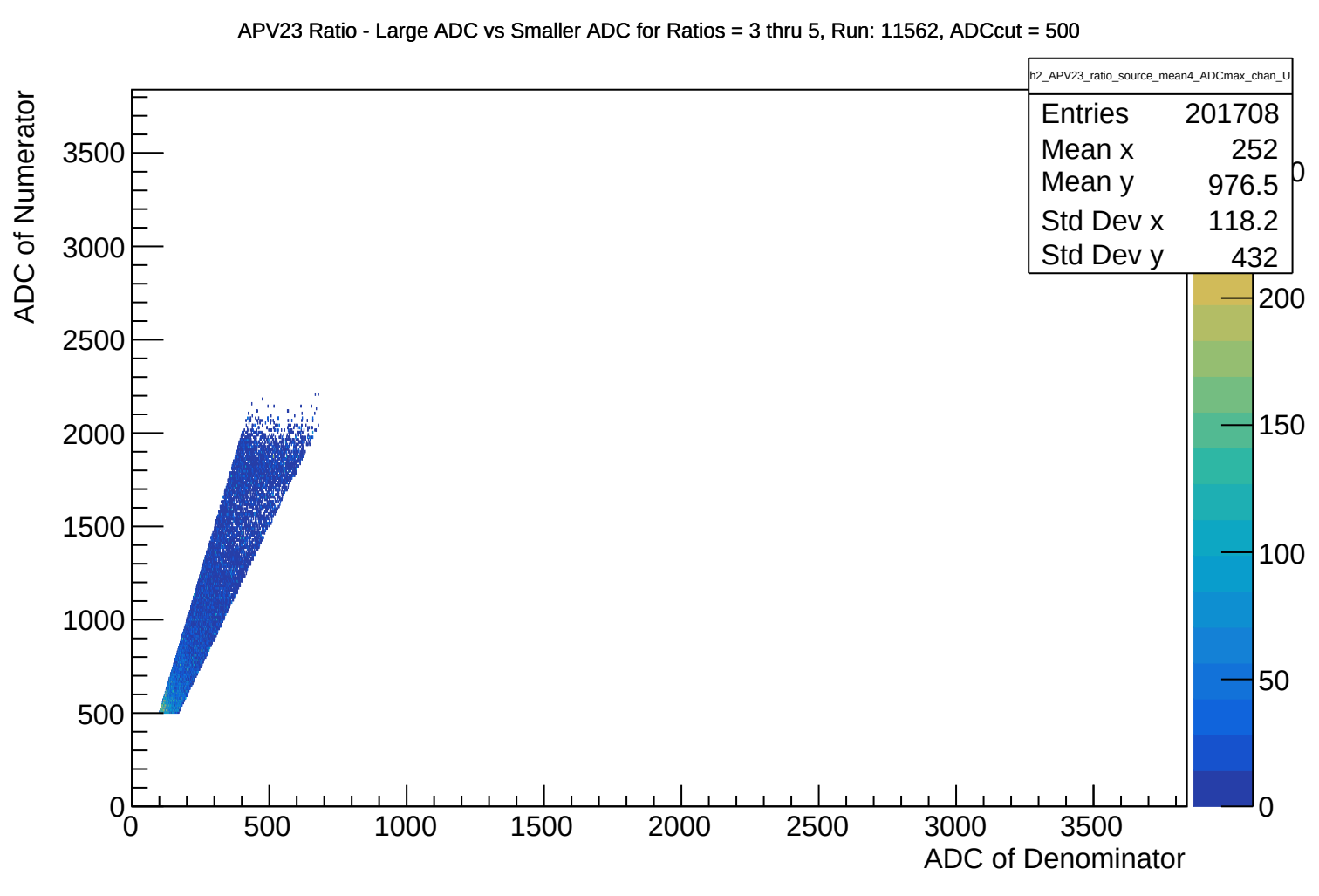

APV22 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 475728
Mean 107.4
Std Dev 47.68
Entries)
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

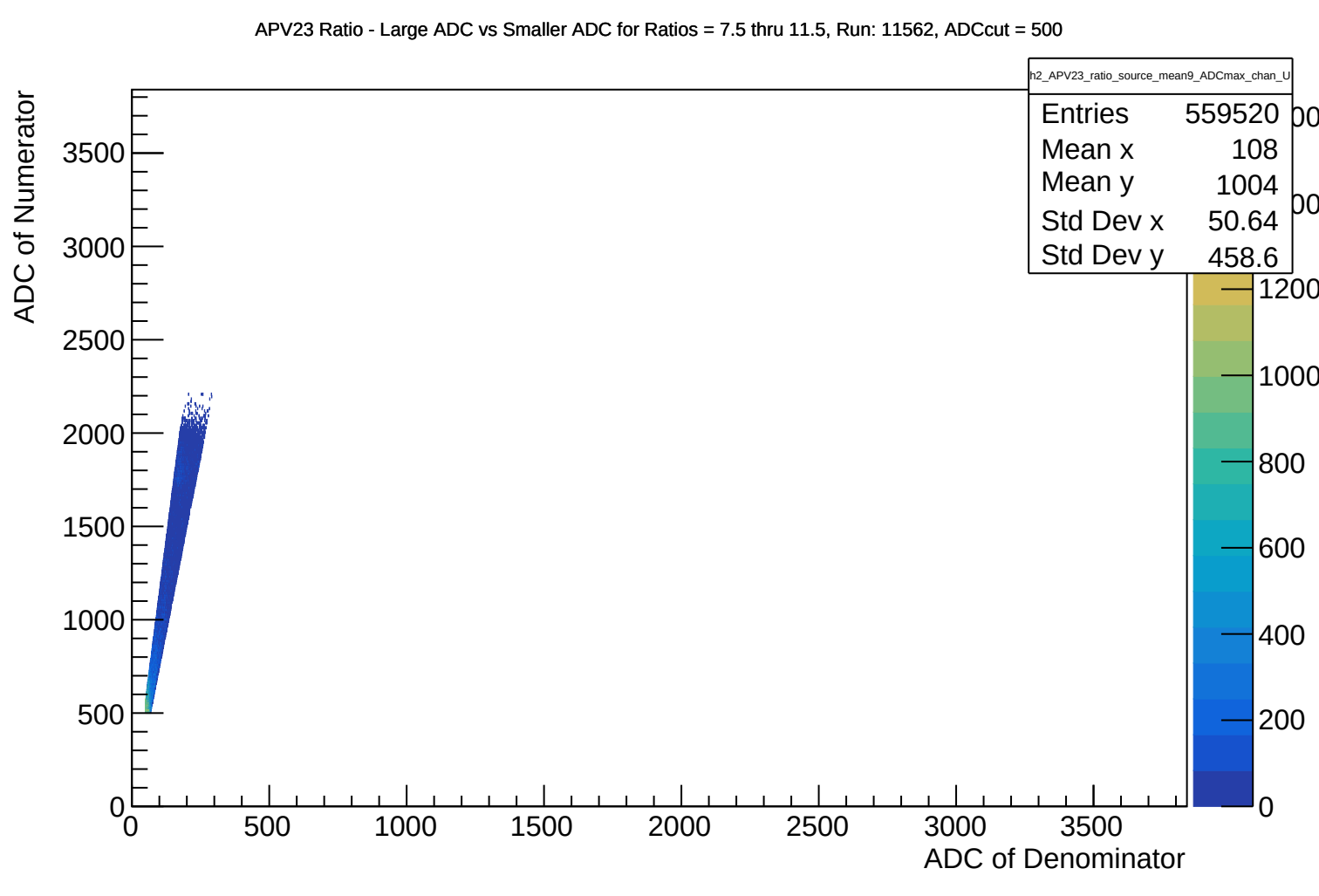

APV22 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 475728
Mean 1002
Std Dev 430.9
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

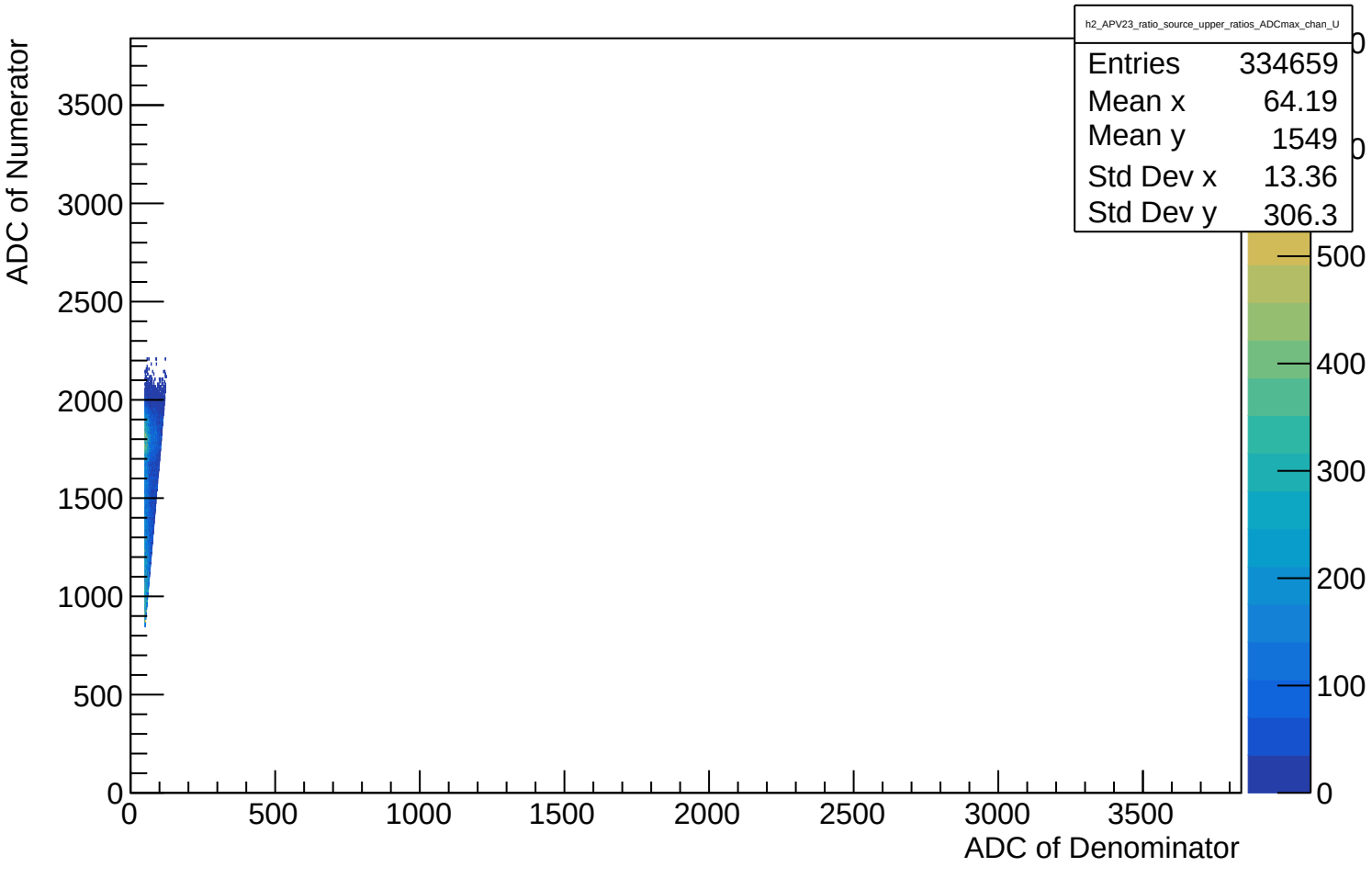
APV22 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

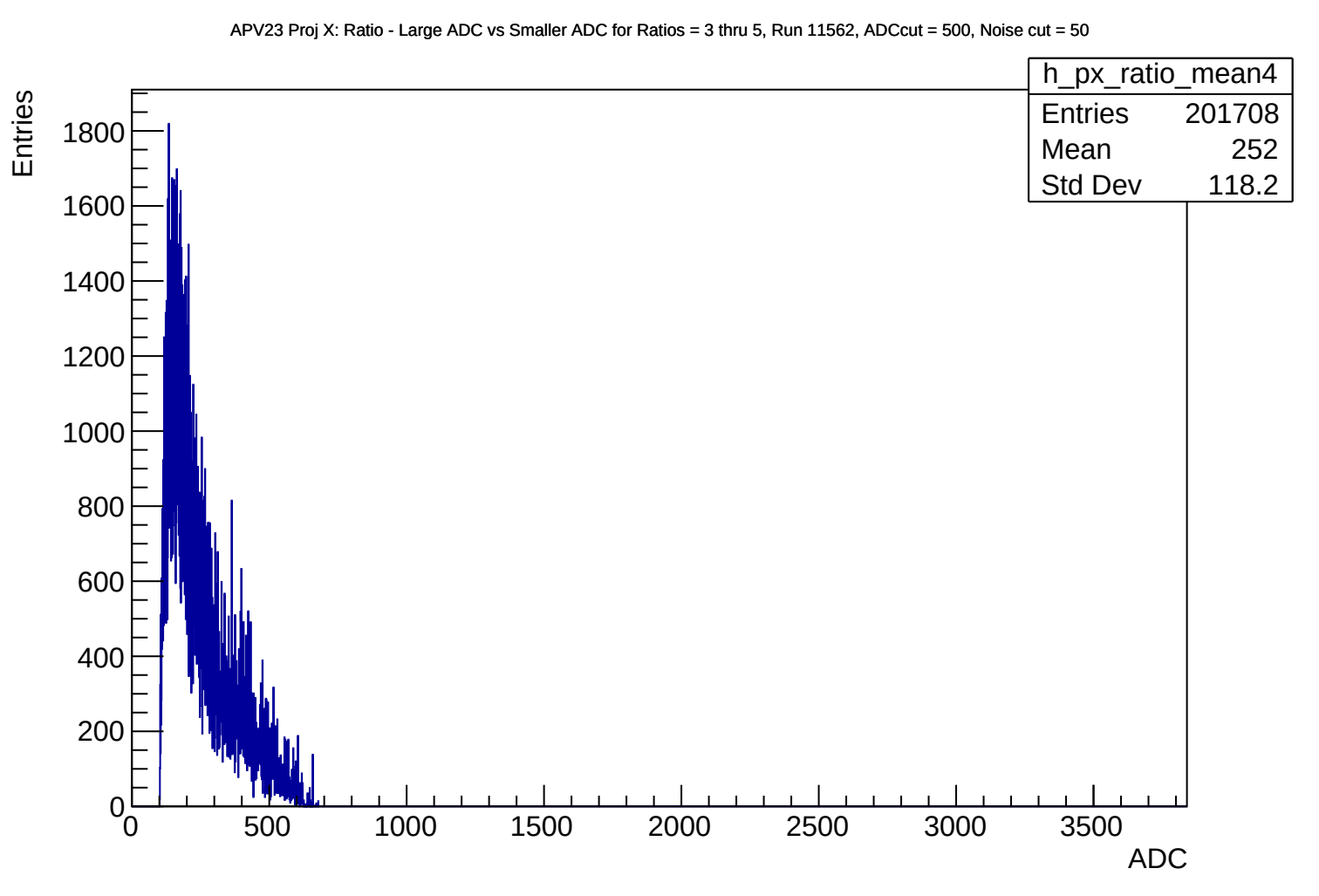


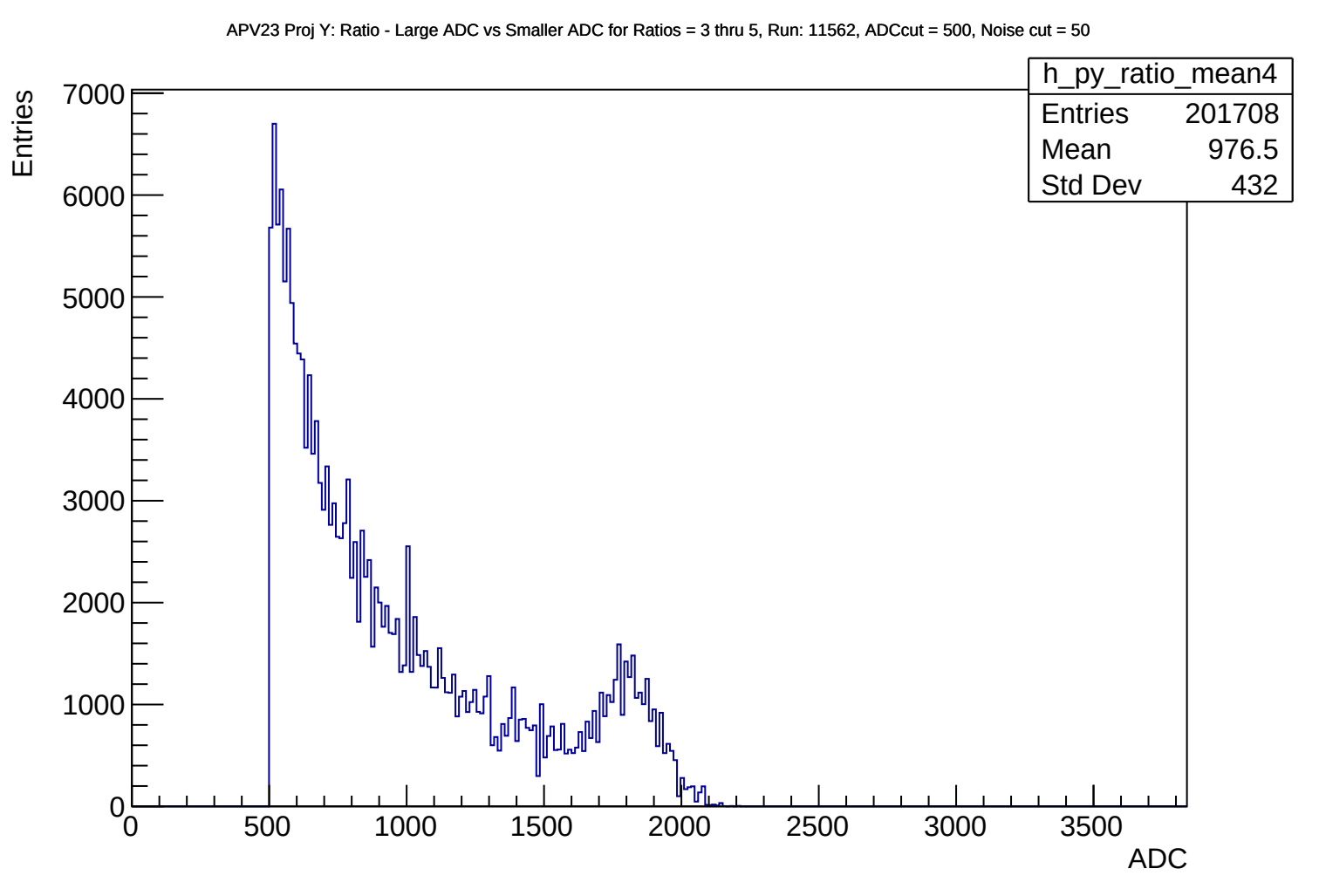

APV22 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 327200
Mean 1504
Std Dev 262.2
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

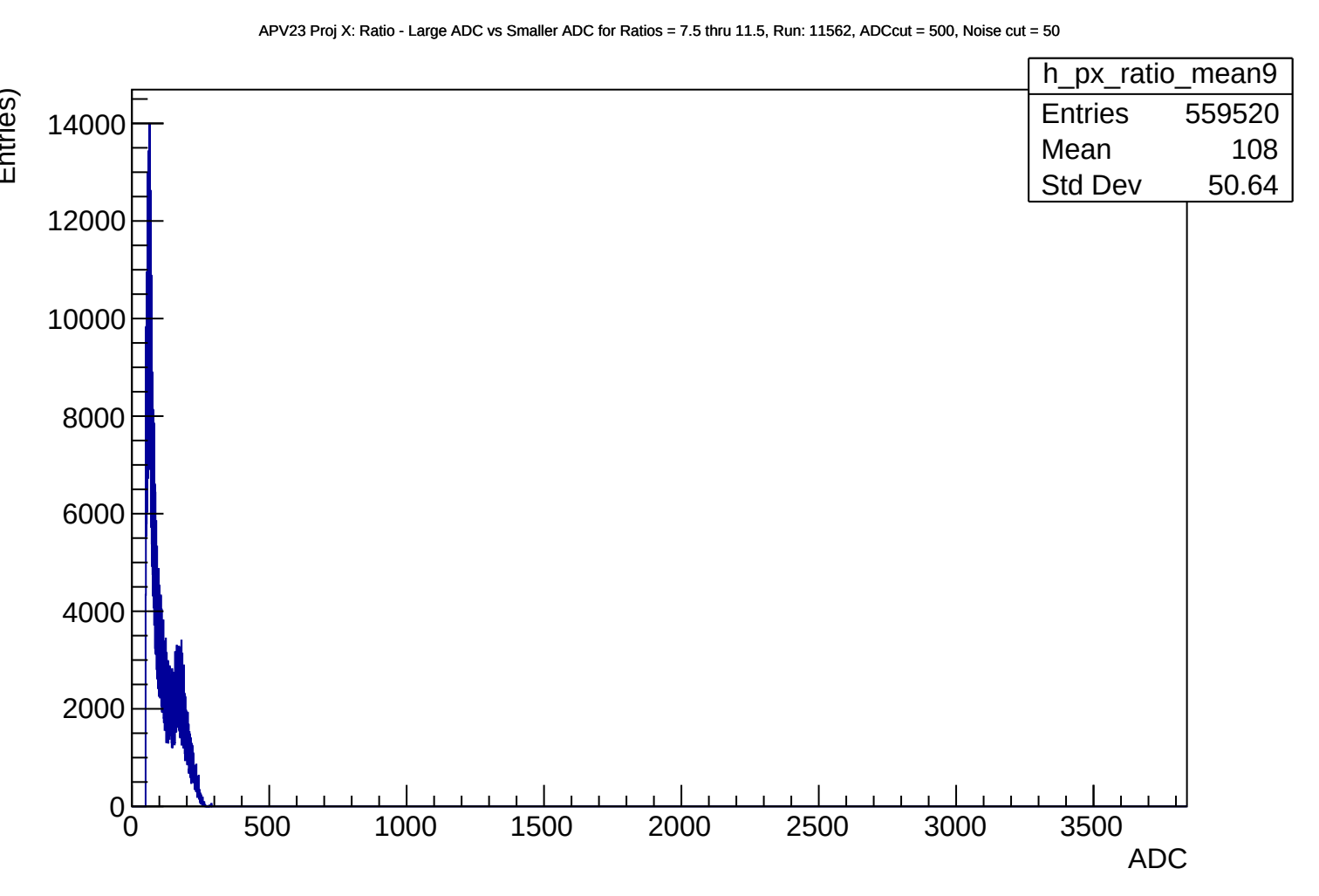

APV23 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV23_ratio_source_mean4_ADCmax_chan_U
Entries 201708
Mean x 252
Mean y 976.5
Std Dev x 118.2
Std Dev y 432
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
50
100
150
200

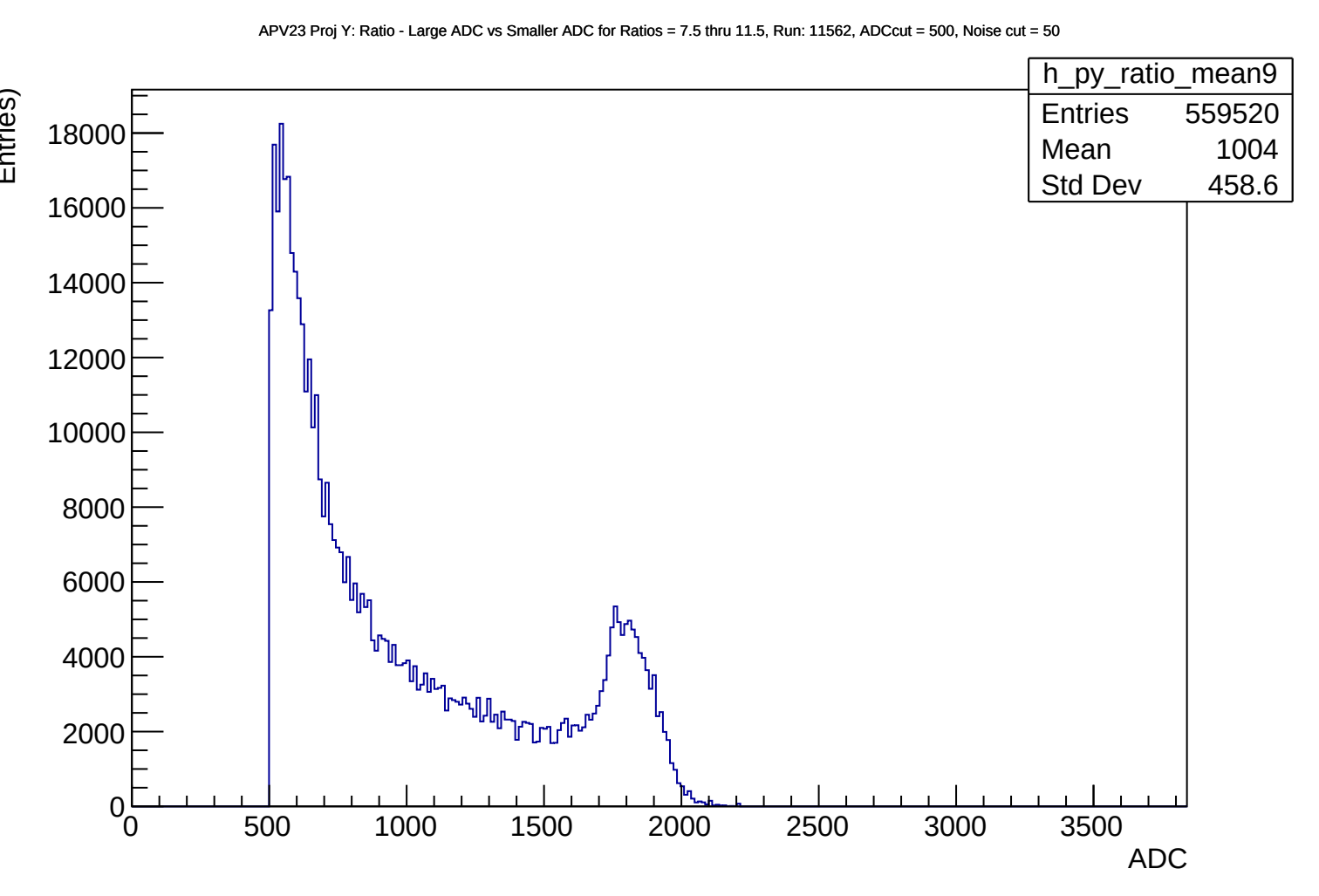

APV23 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV23_ratio_source_mean9_ADCmax_chan_U
Entries 559520
Mean x 108
Mean y 1004
Std Dev x 50.64
Std Dev y 458.6
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200

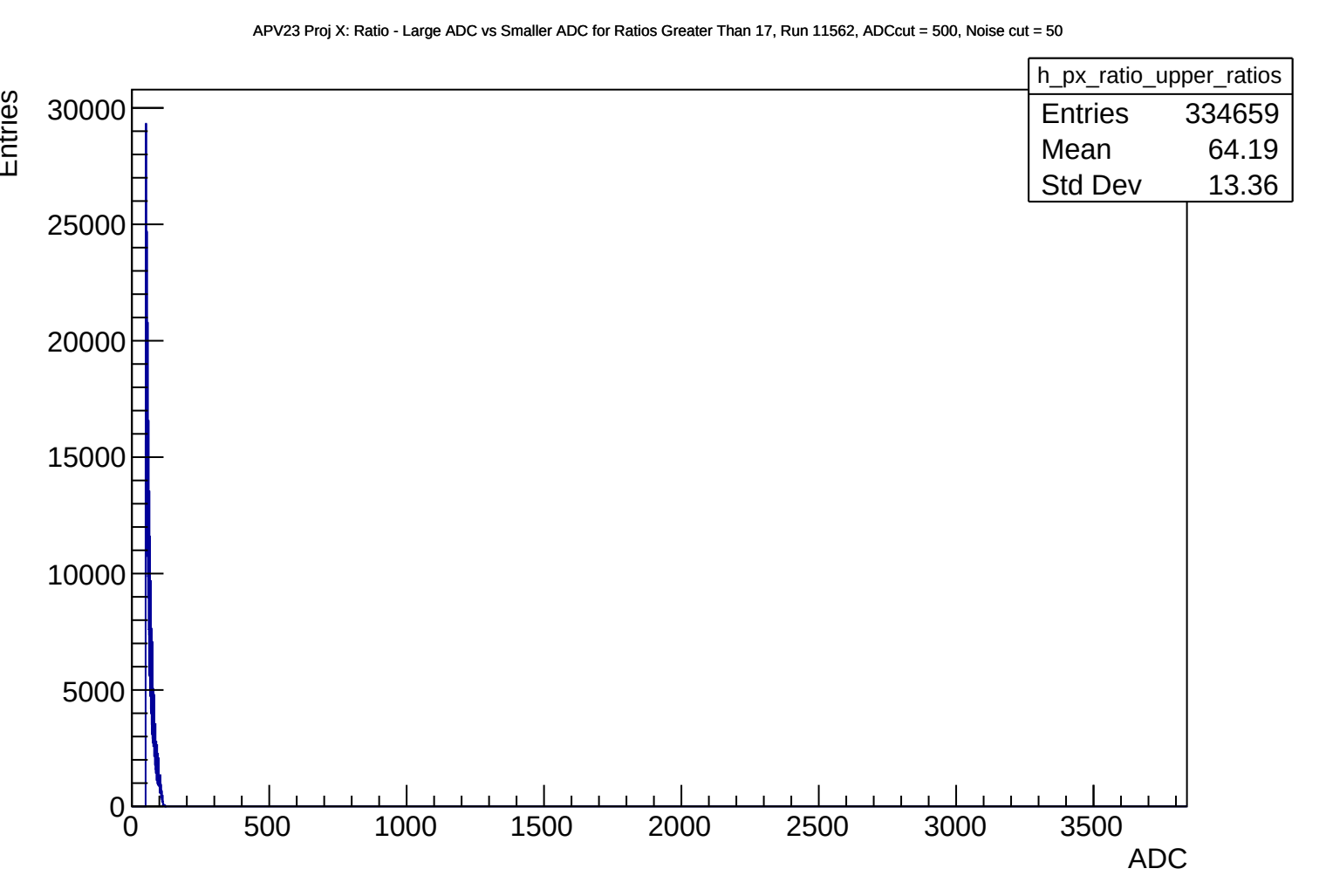

APV23 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV23_ratio_source_upper_ratios_ADCmax_chan_U
Entries 334659
Mean x 64.19
Mean y 1549
Std Dev x 13.36
Std Dev y 306.3
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

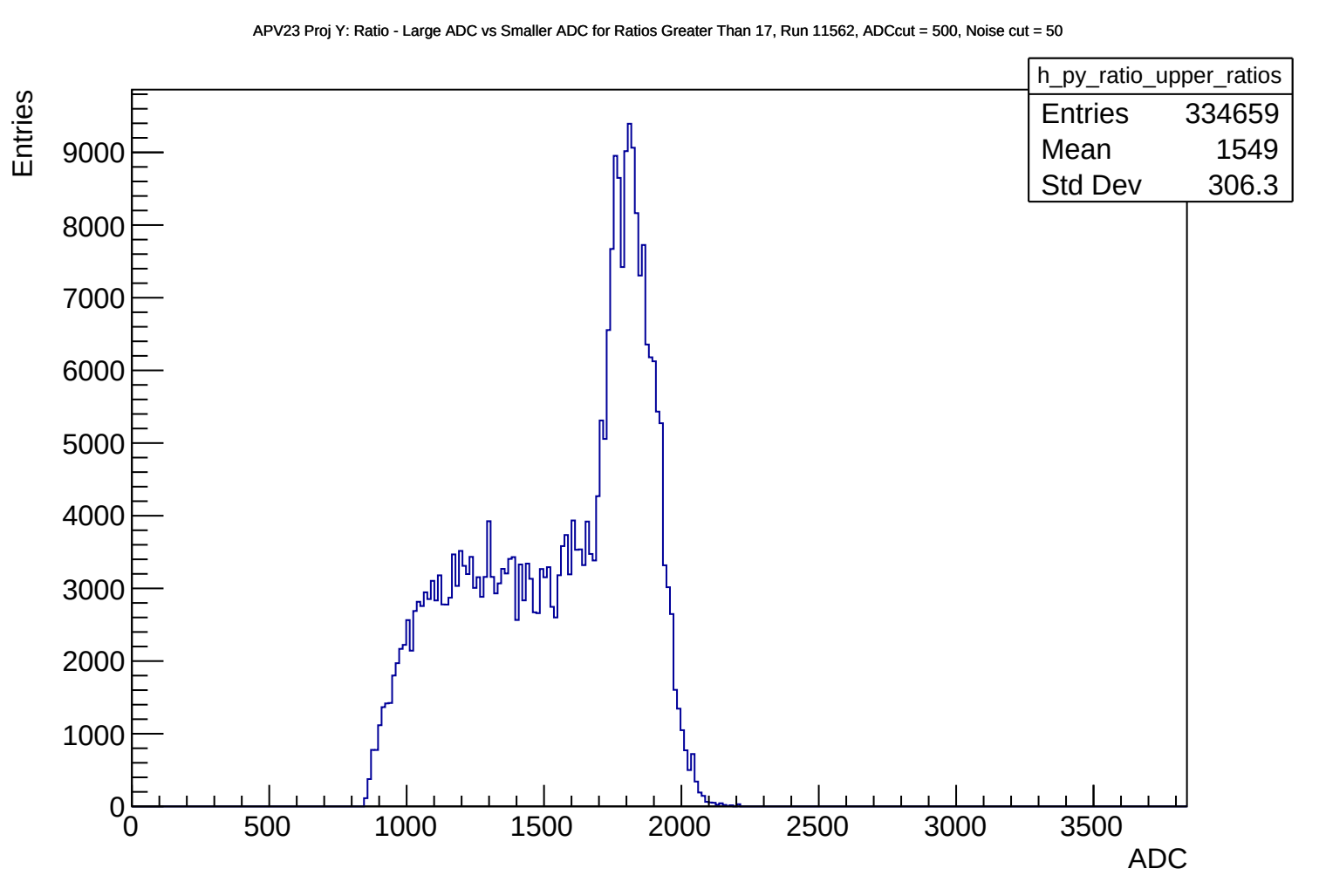

APV23 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 201708
Mean 252
Std Dev 118.2
Entries
0
200
400
600
800
1000
1200
1400
1600
1800
0
500
1000
1500
2000
2500
3000
3500
ADC

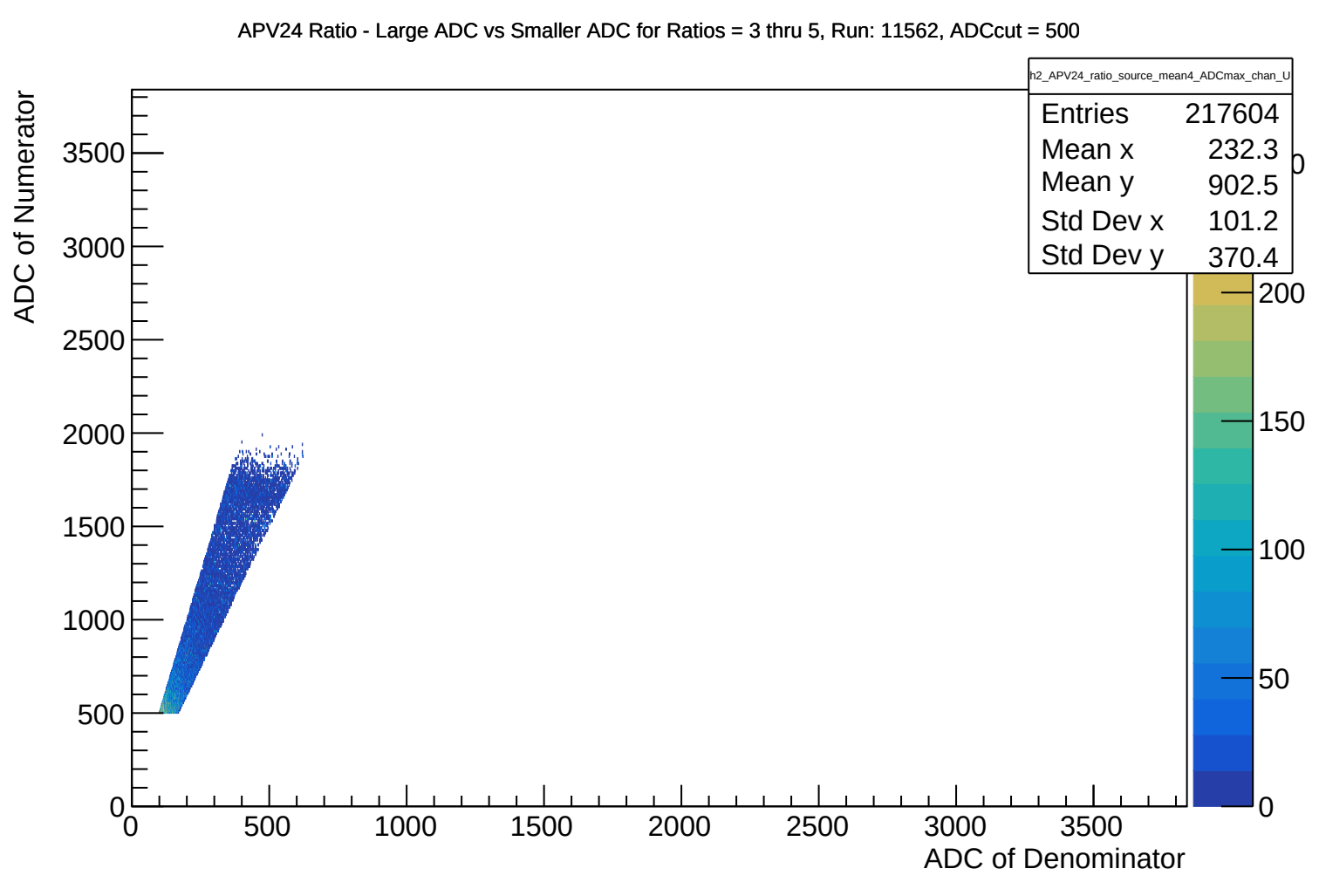

APV23 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 201708
Mean 976.5
Std Dev 432
Entries
ADC
0
1000
2000
3000
4000
5000
6000
7000
500
1500
2500
3500

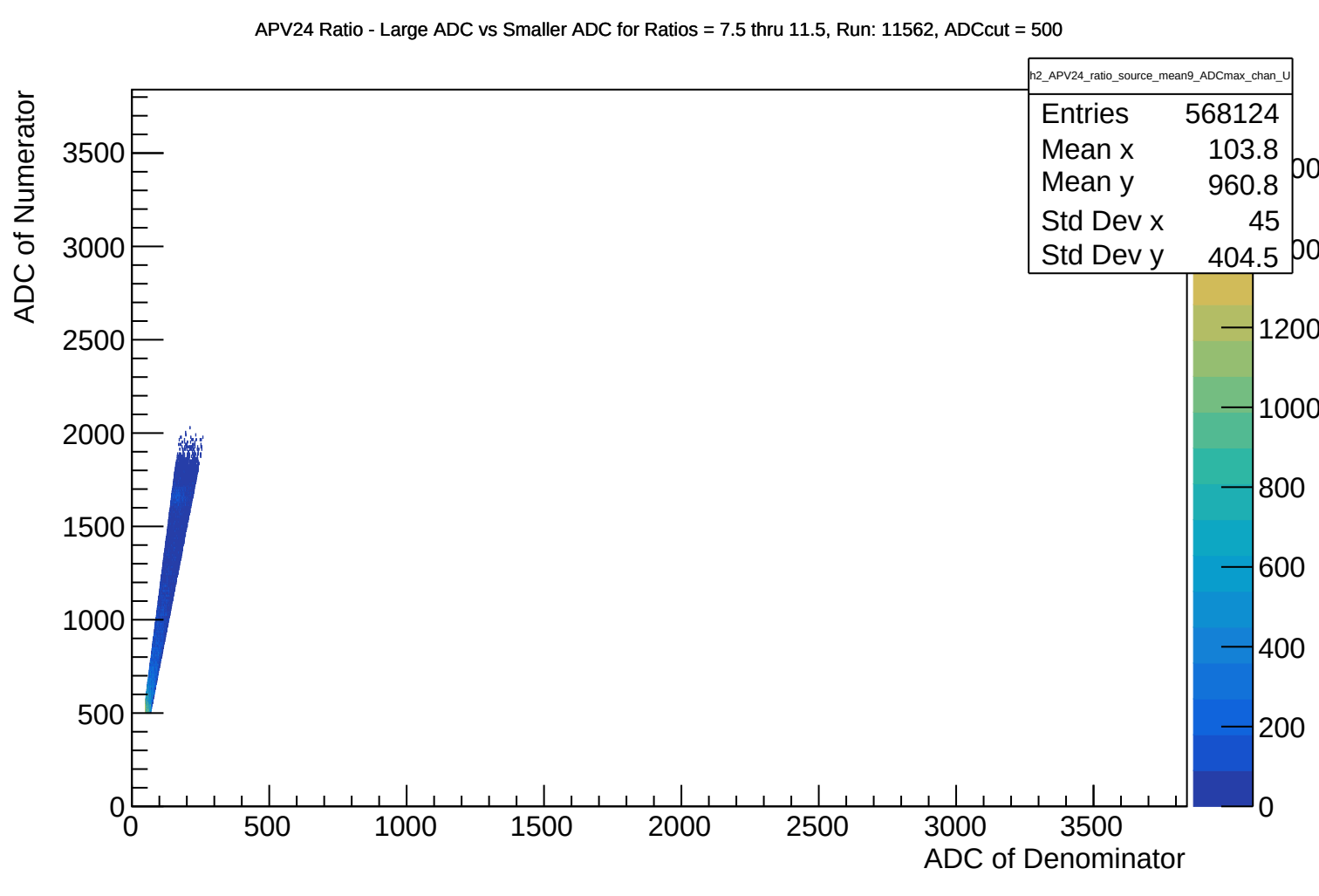

APV23 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 559520
Mean 108
Std Dev 50.64
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

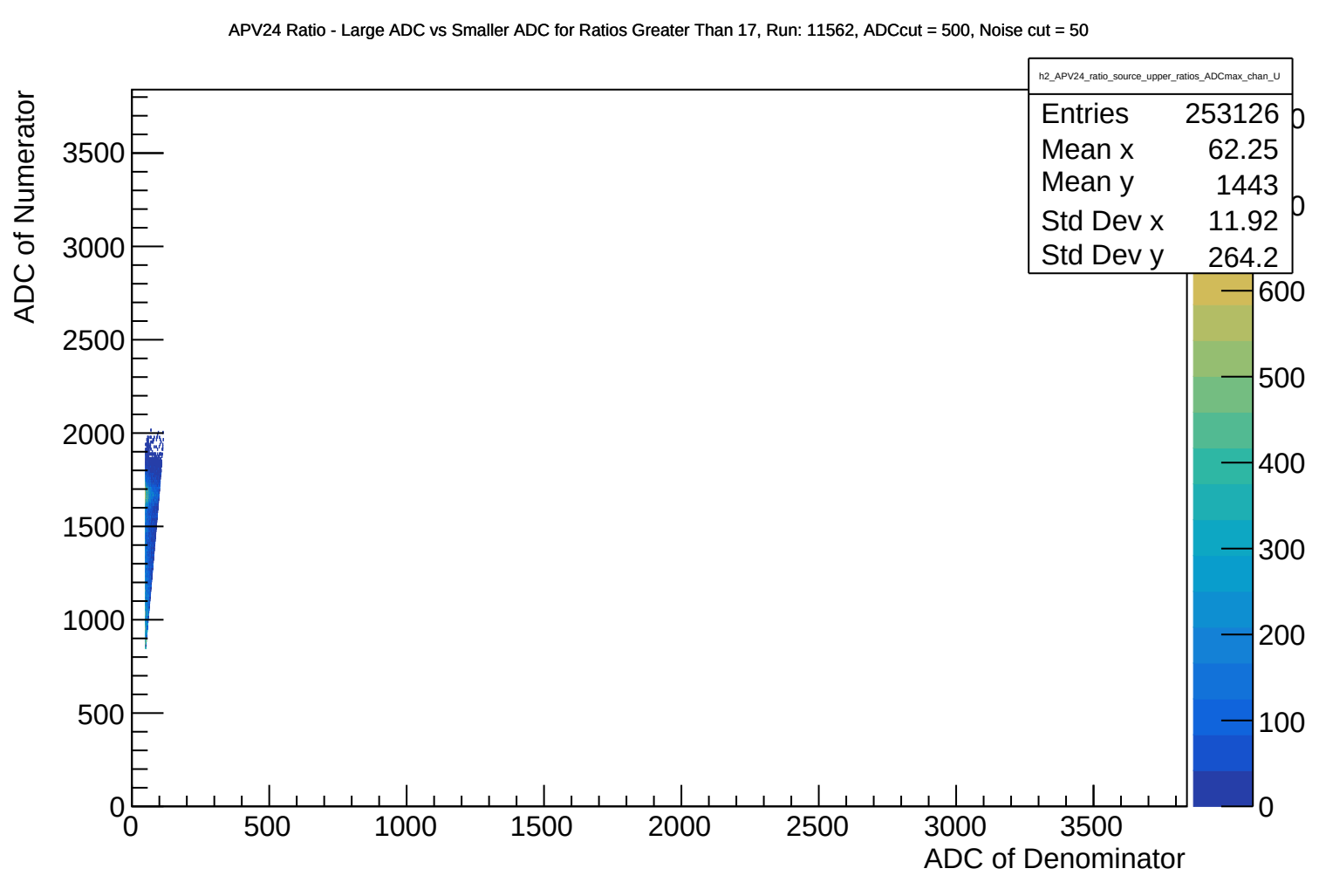

APV23 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 559520
Mean 1004
Std Dev 458.6
Entries)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

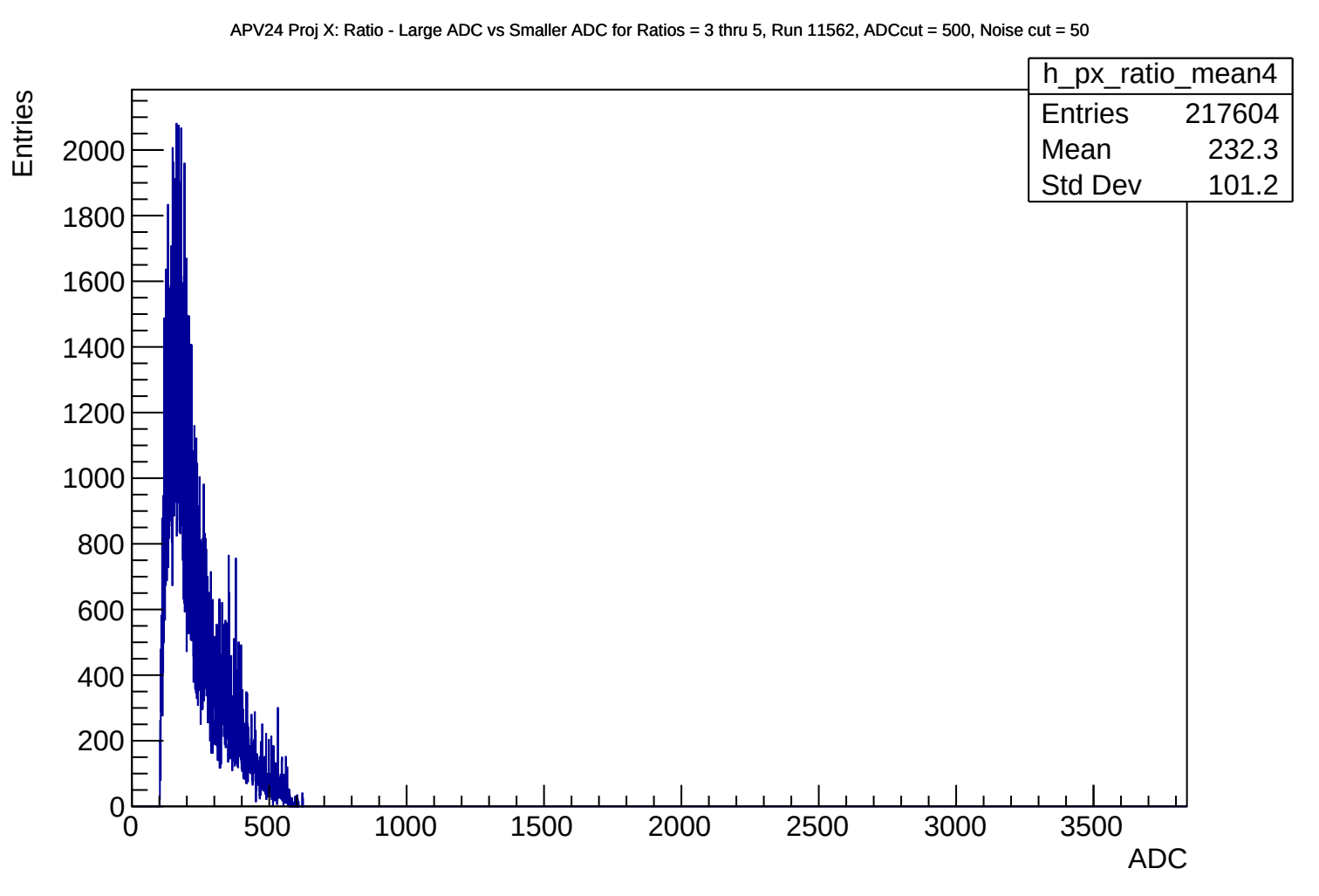

APV23 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 334659
Mean 64.19
Std Dev 13.36
Entries
30000
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

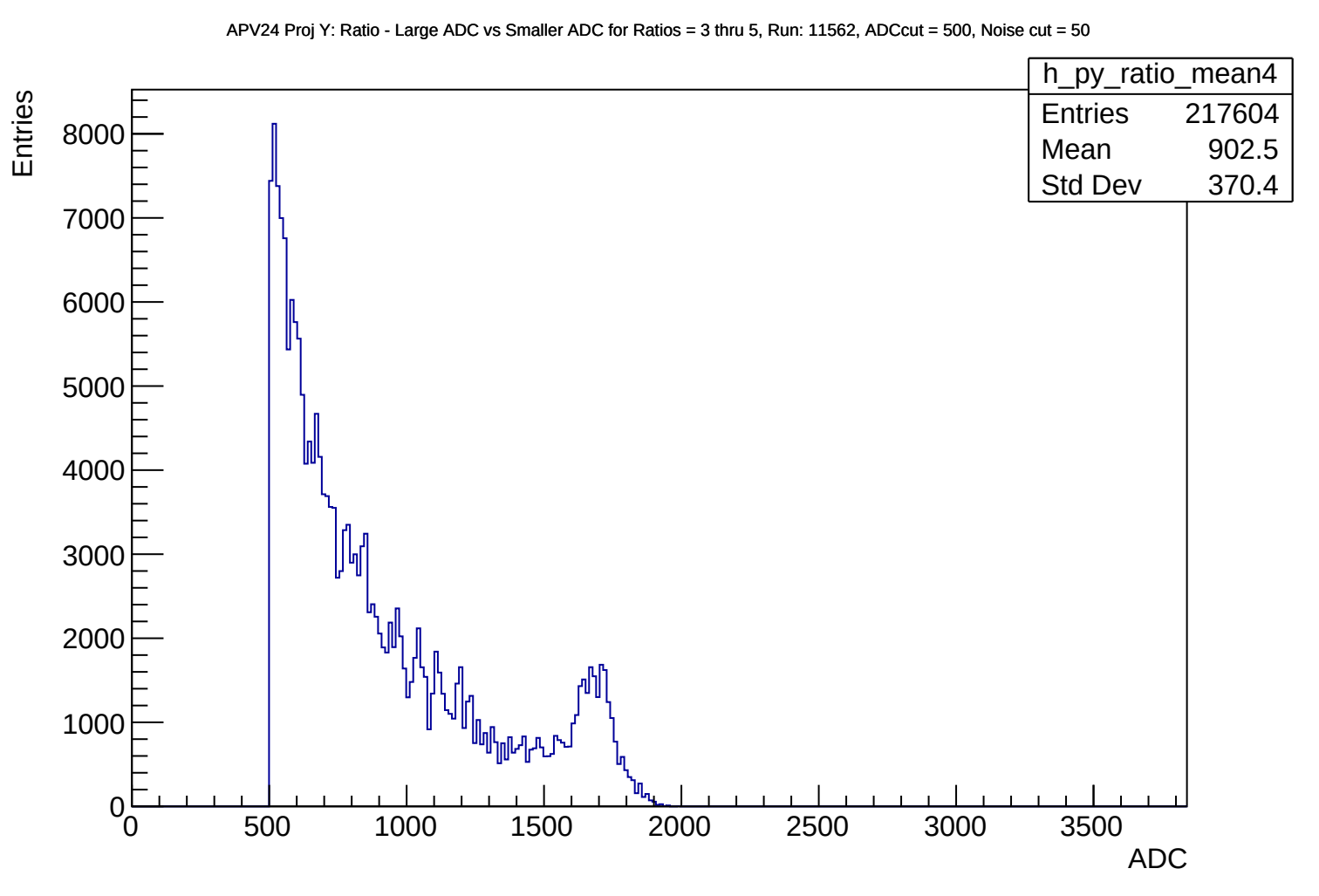

APV23 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 334659
Mean 1549
Std Dev 306.3
Entries
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

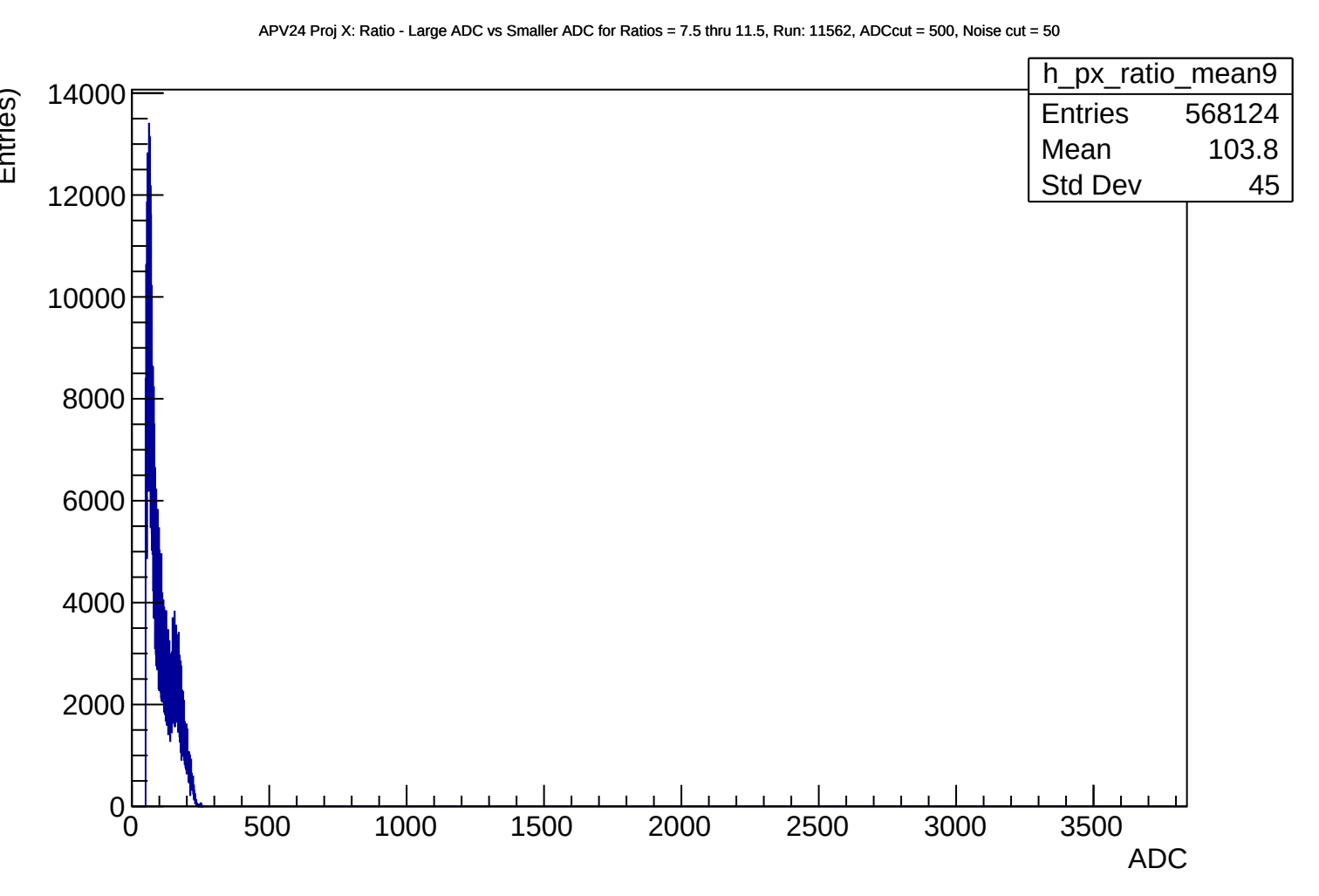

APV24 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV24_ratio_source_mean4_ADCmax_chan_U
Entries 217604
Mean x 232.3
Mean y 902.5
Std Dev x 101.2
Std Dev y 370.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
50
100
150
200

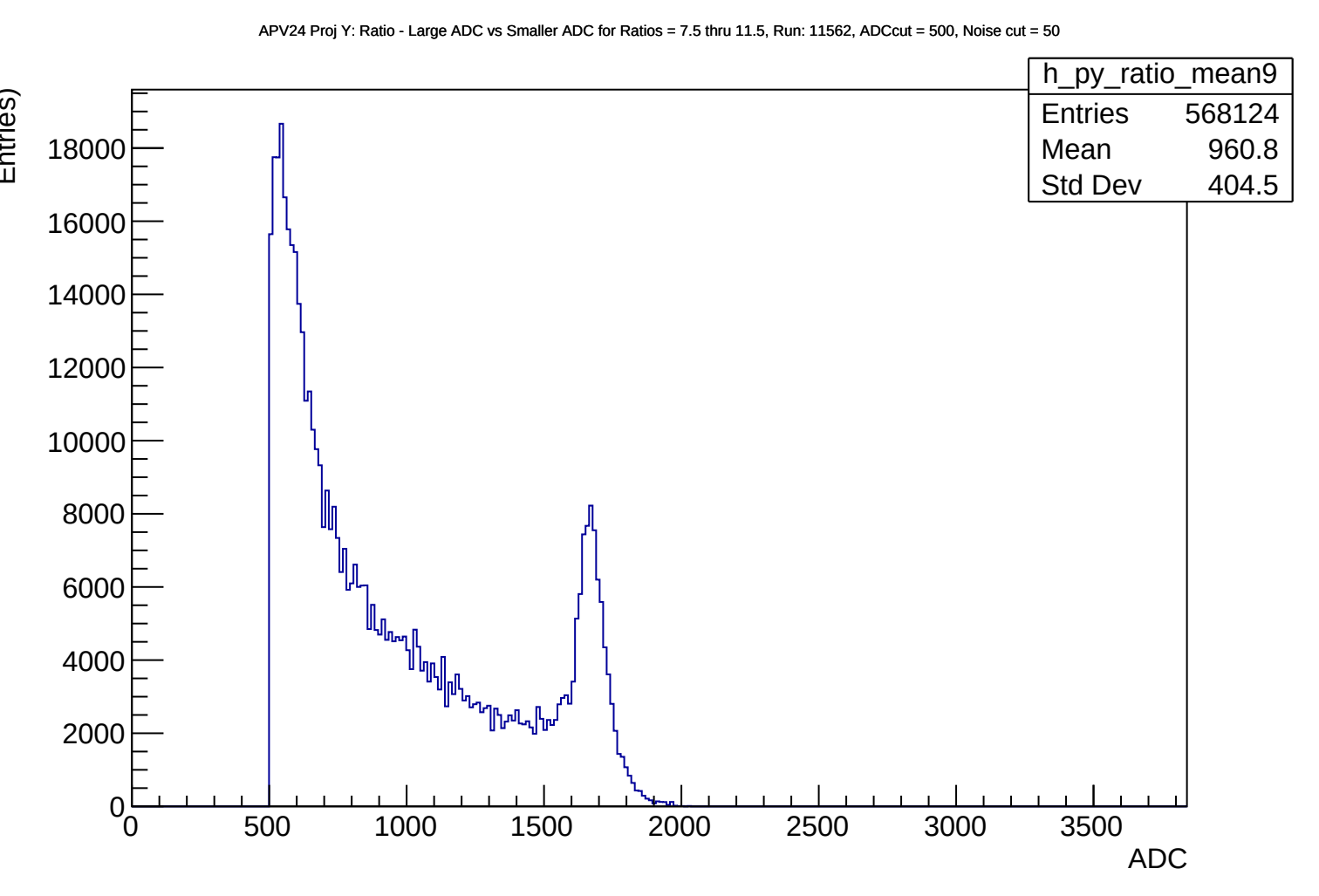

APV24 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV24_ratio_source_mean9_ADCmax_chan_U
Entries 568124
Mean x 103.8
Mean y 960.8
Std Dev x 45
Std Dev y 404.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200

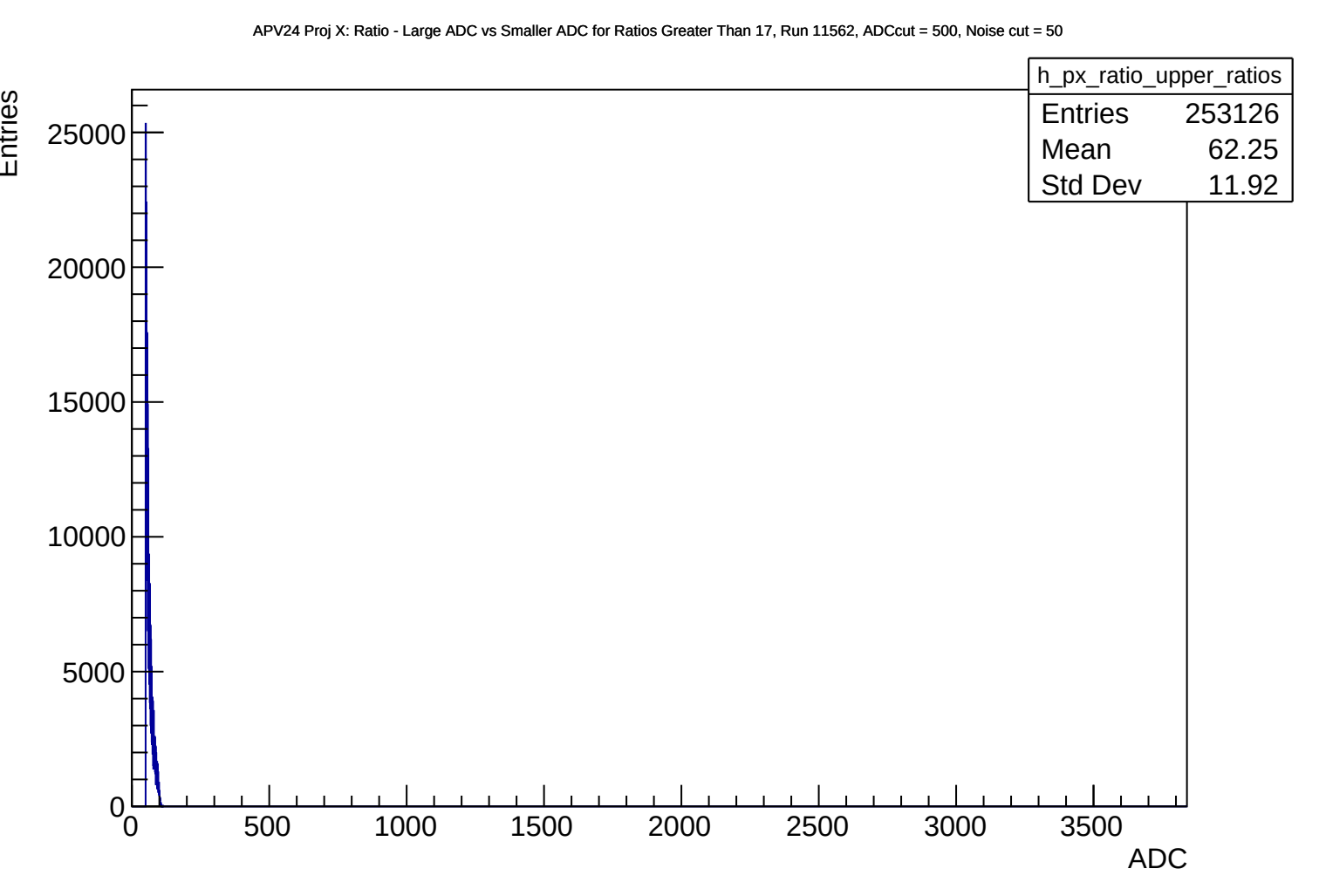

APV24 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV24_ratio_source_upper_ratios_ADCmax_chan_U
Entries 253126
Mean x 62.25
Mean y 1443
Std Dev x 11.92
Std Dev y 264.2
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
600

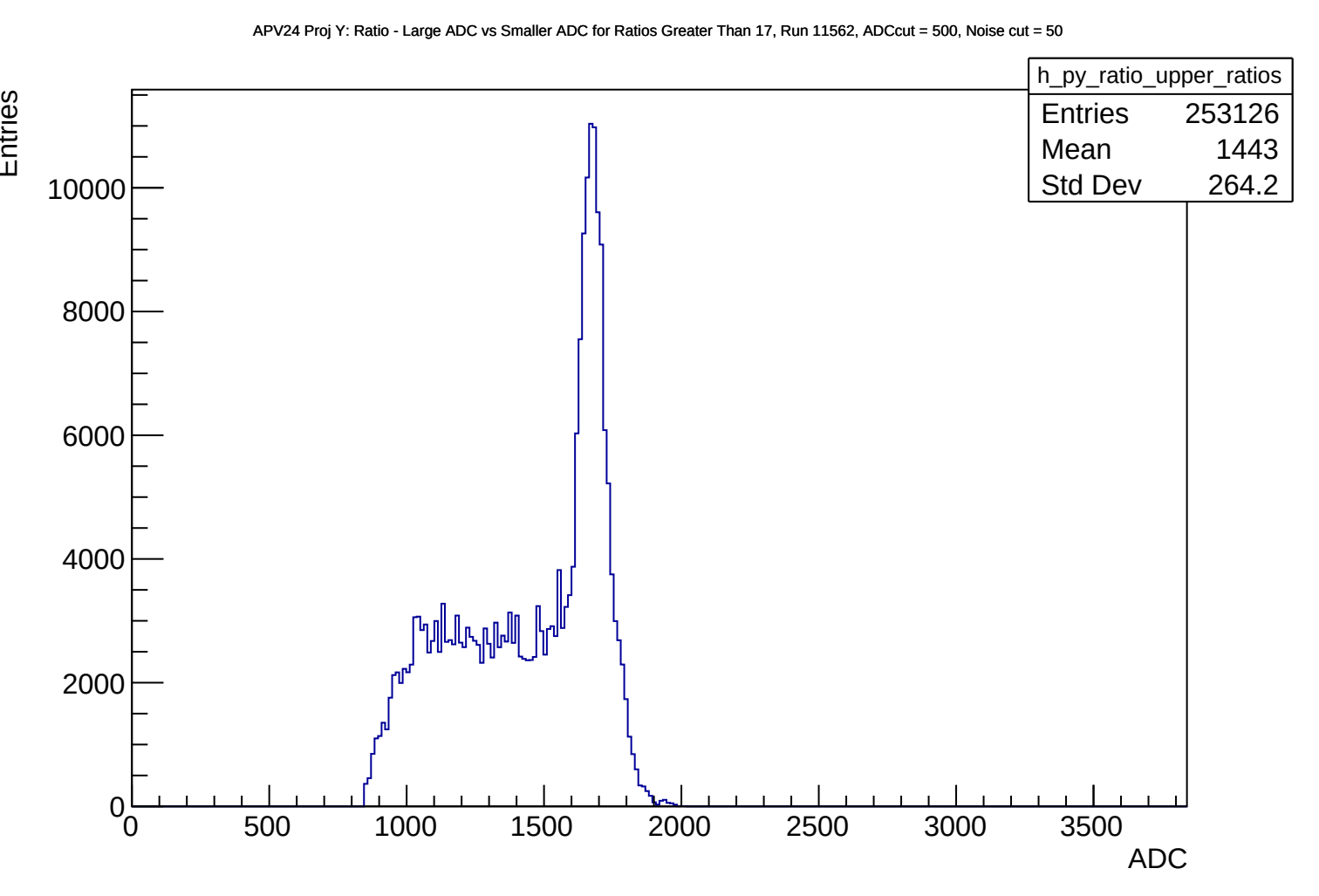

APV24 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 217604
Mean 232.3
Std Dev 101.2
Entries
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
3500
ADC

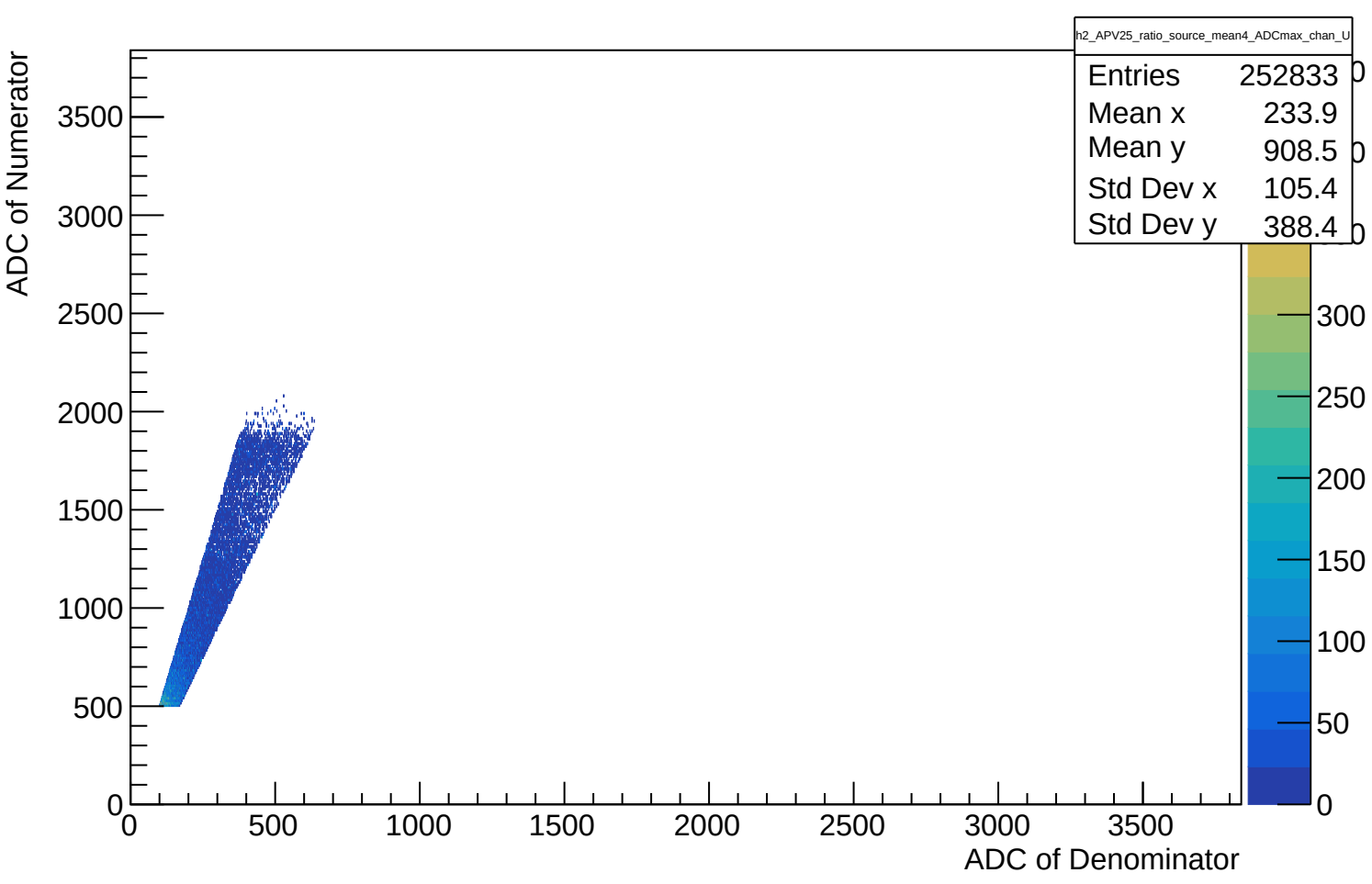

APV24 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 217604
Mean 902.5
Std Dev 370.4
Entries
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

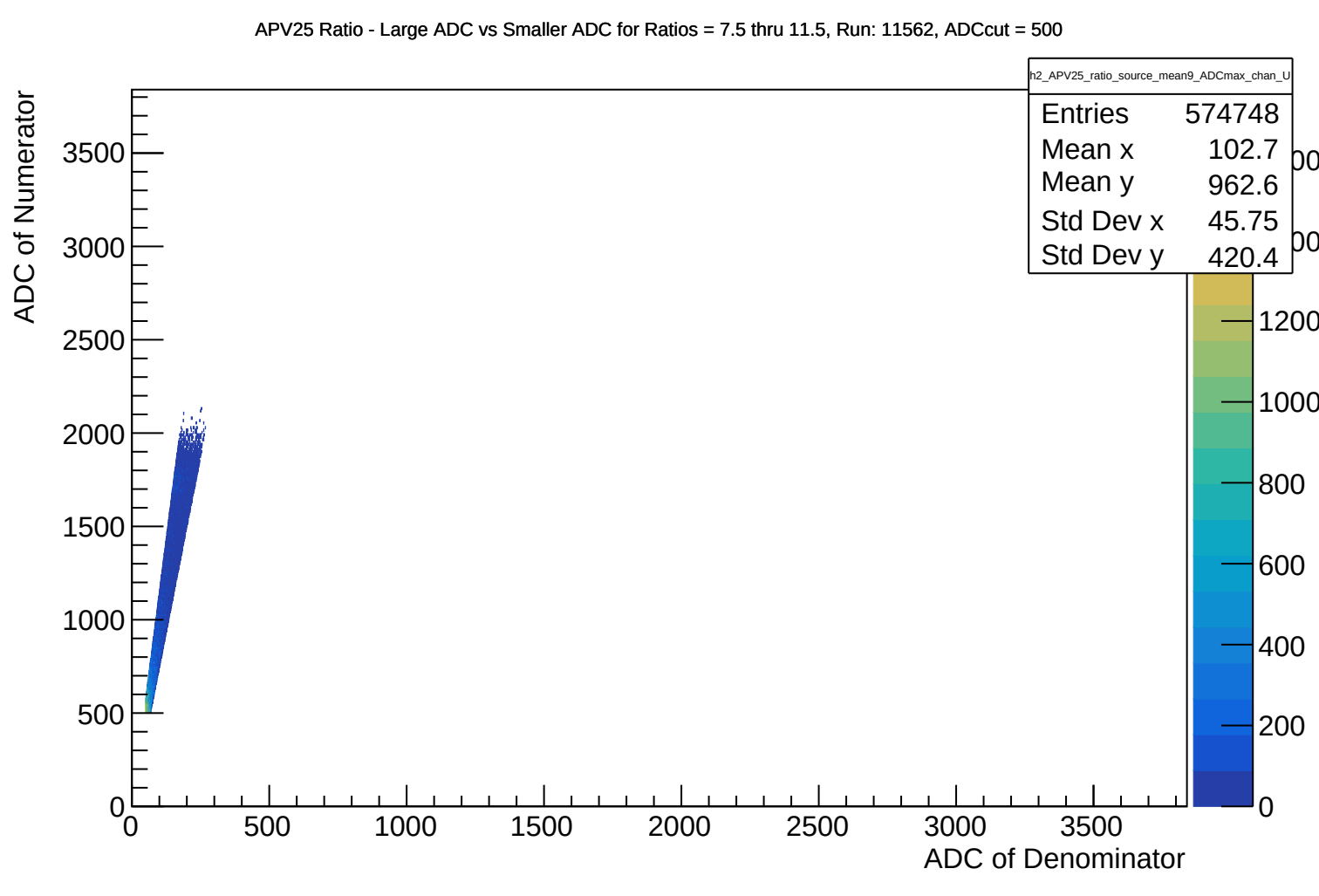

APV24 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 568124
Mean 103.8
Std Dev 45
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

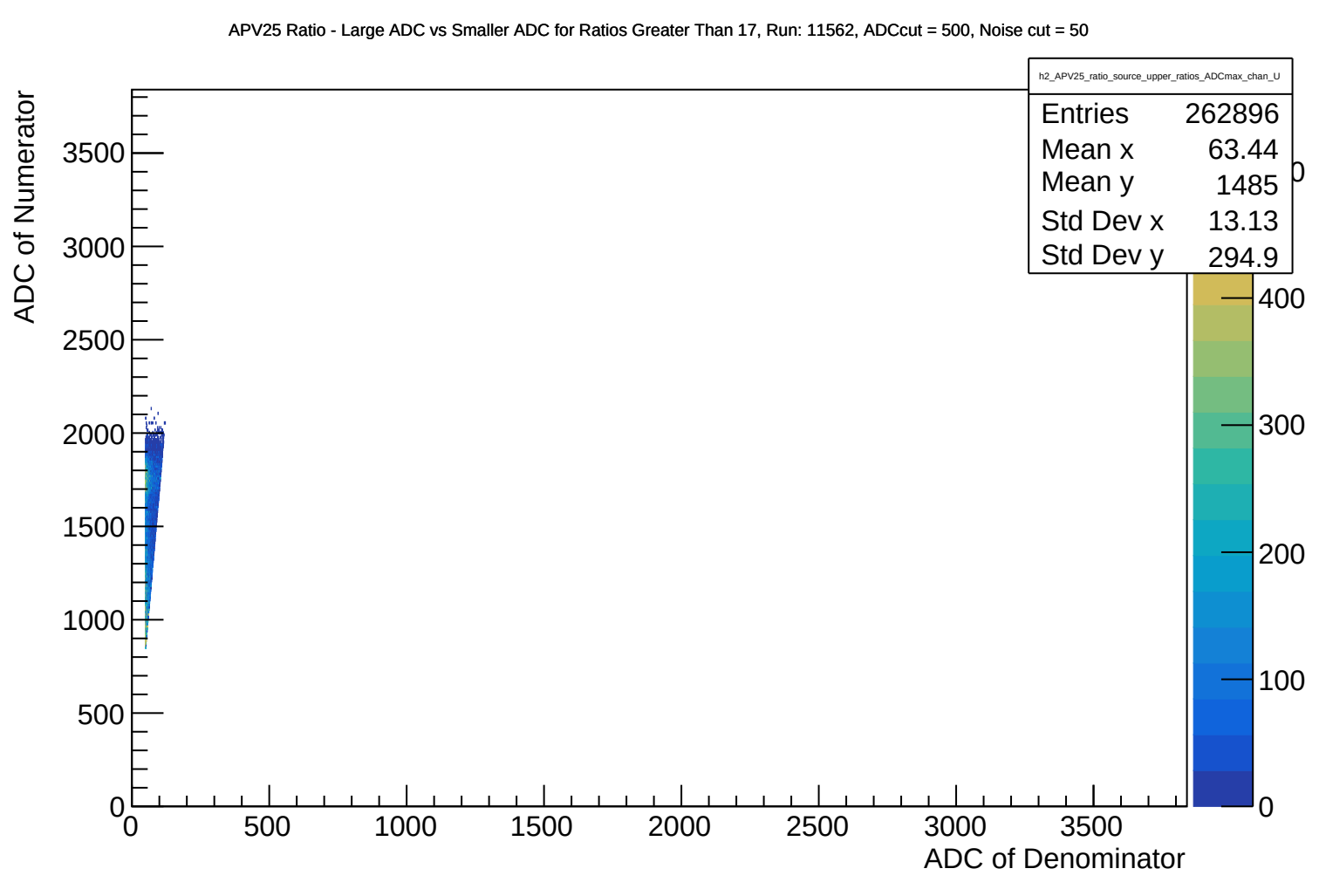

APV24 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 568124
Mean 960.8
Std Dev 404.5
Entries)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

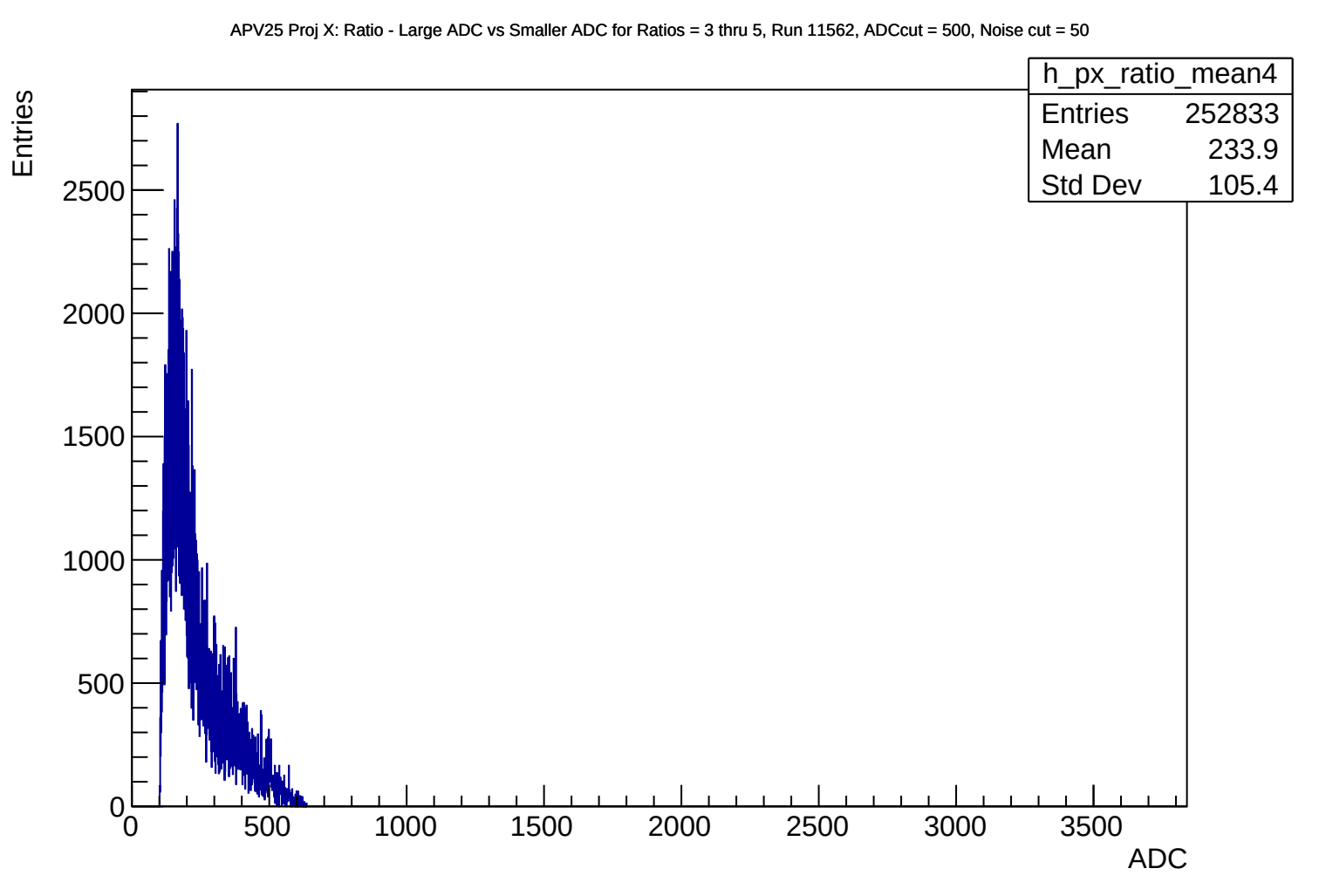

APV24 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 253126
Mean 62.25
Std Dev 11.92
Entries
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

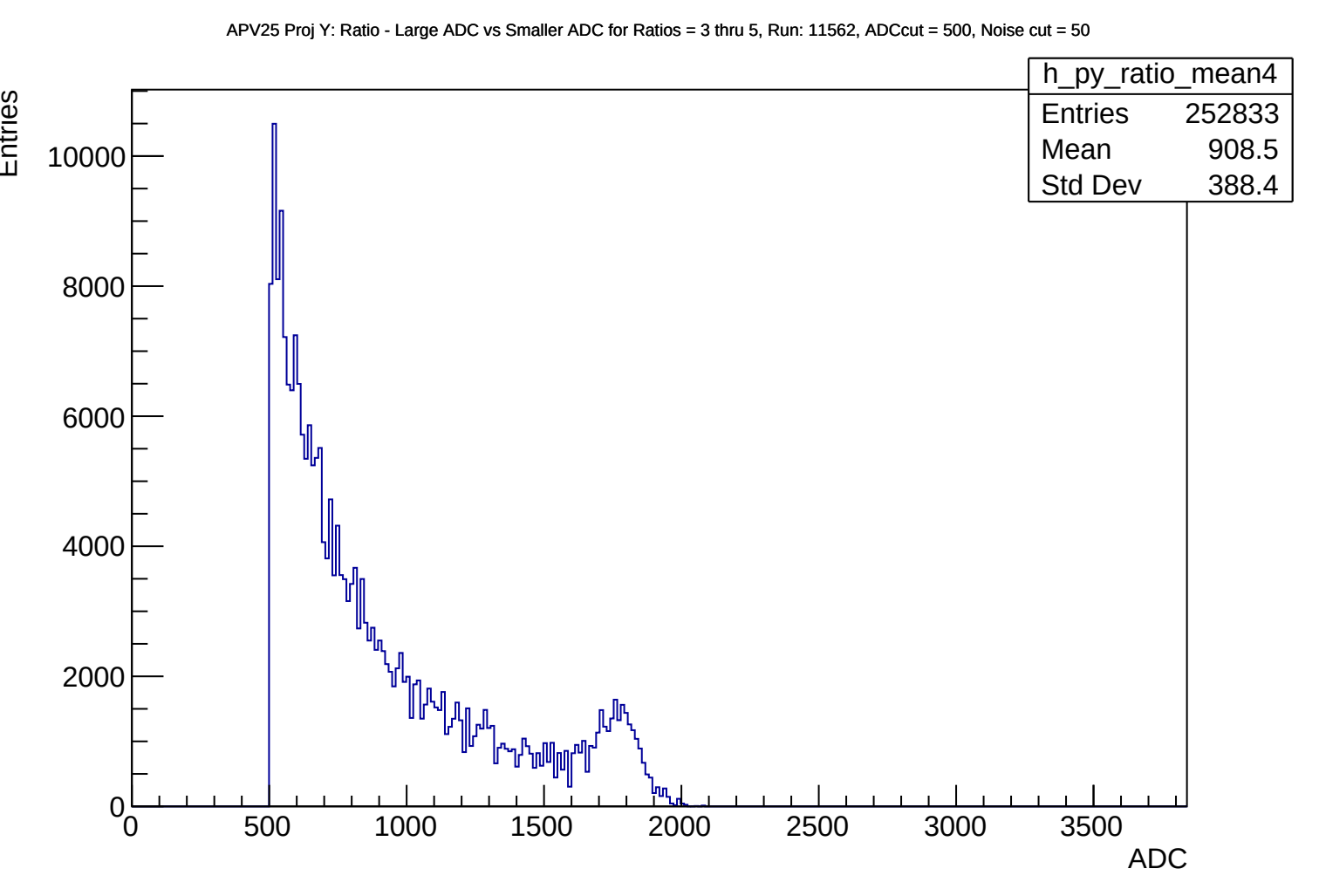

APV24 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 253126
Mean 1443
Std Dev 264.2
Entries
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

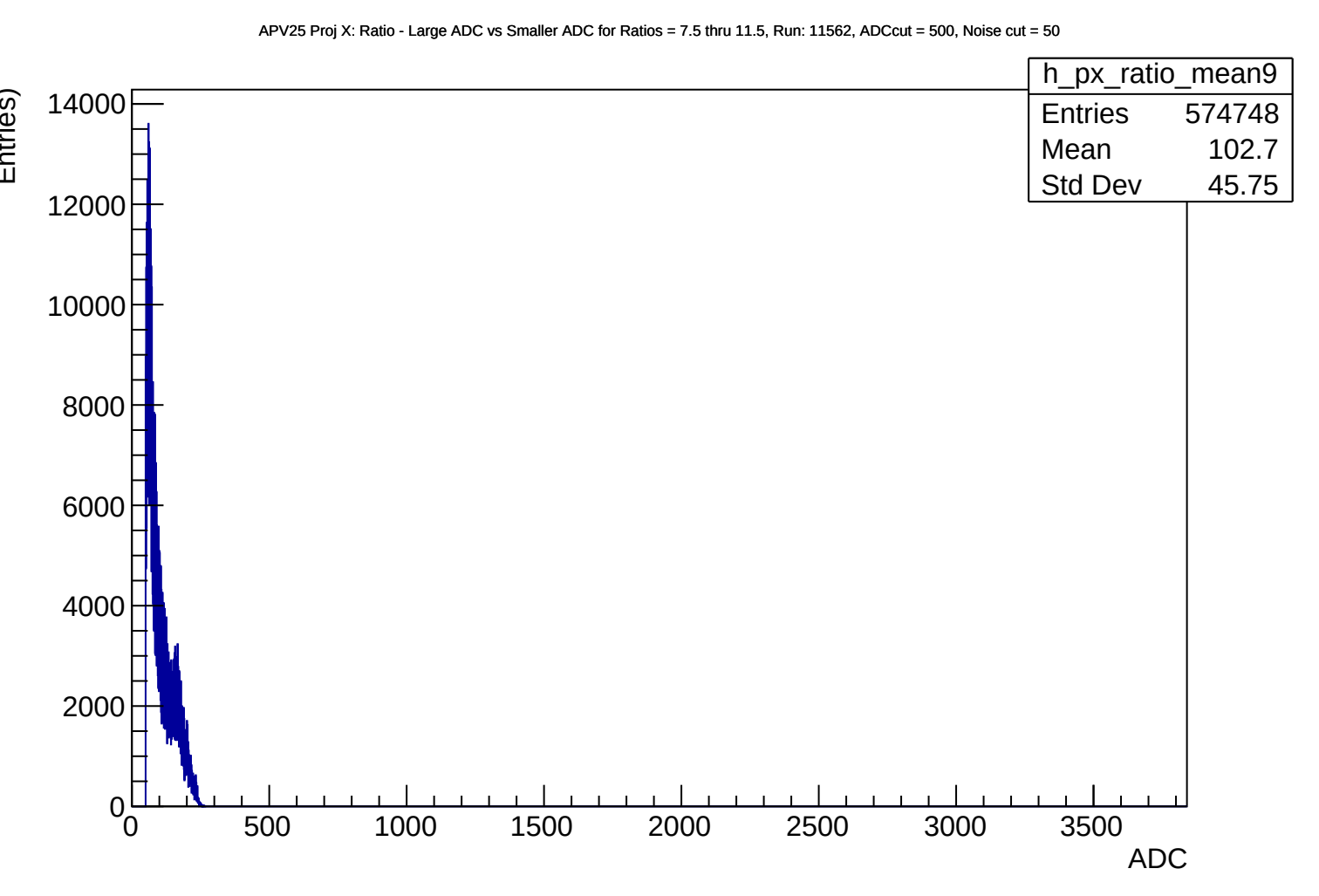

APV25 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV25_ratio_source_mean4_ADCmax_chan_U
Entries 252833
Mean x 233.9
Mean y 908.5
Std Dev x 105.4
Std Dev y 388.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
50
100
150
200
250
300

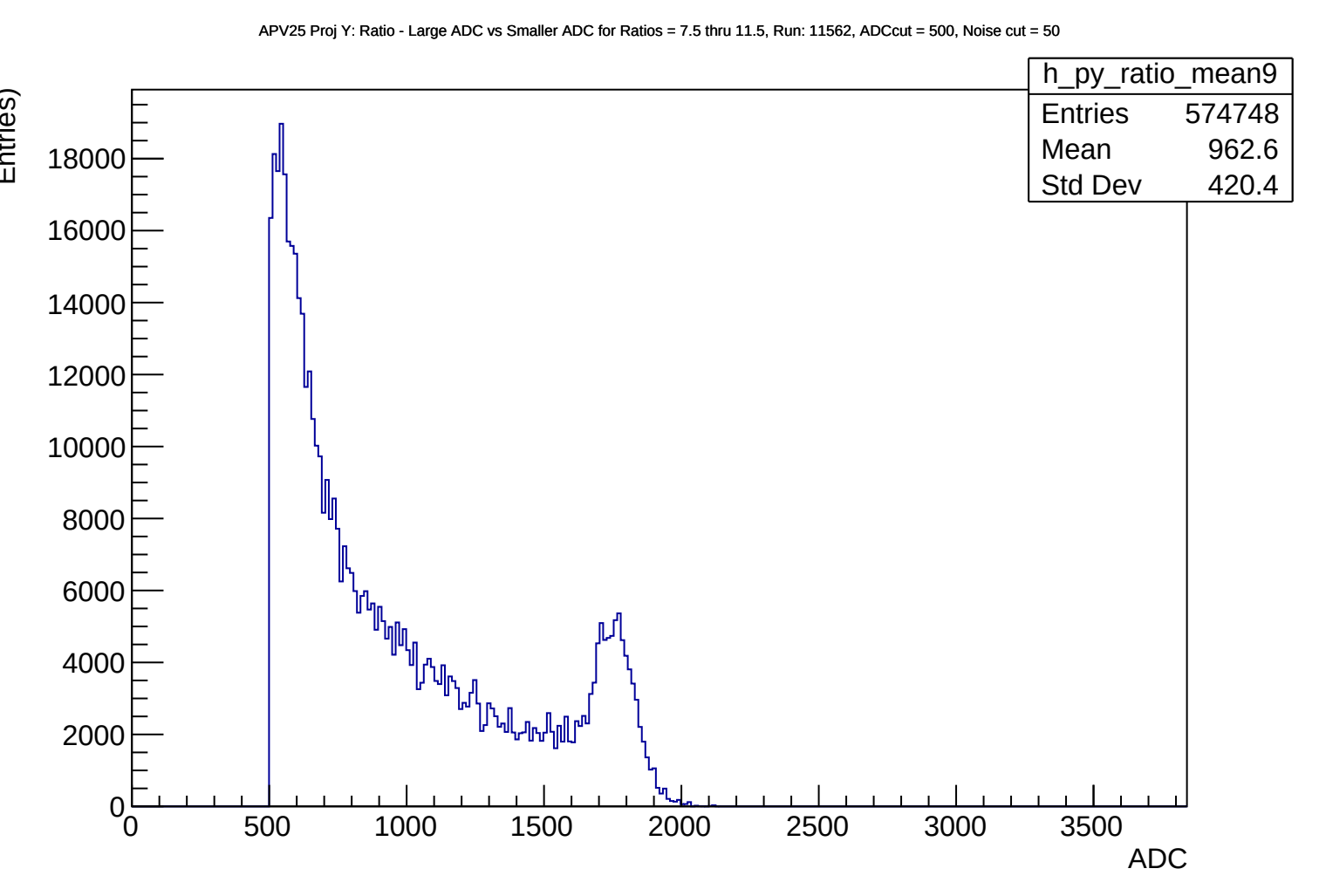

APV25 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV25_ratio_source_mean9_ADCmax_chan_U
Entries 574748
Mean x 102.7
Mean y 962.6
Std Dev x 45.75
Std Dev y 420.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200


APV25 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV25_ratio_source_upper_ratios_ADCmax_chan_U
Entries 262896
Mean x 63.44
Mean y 1485
Std Dev x 13.13
Std Dev y 294.9
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

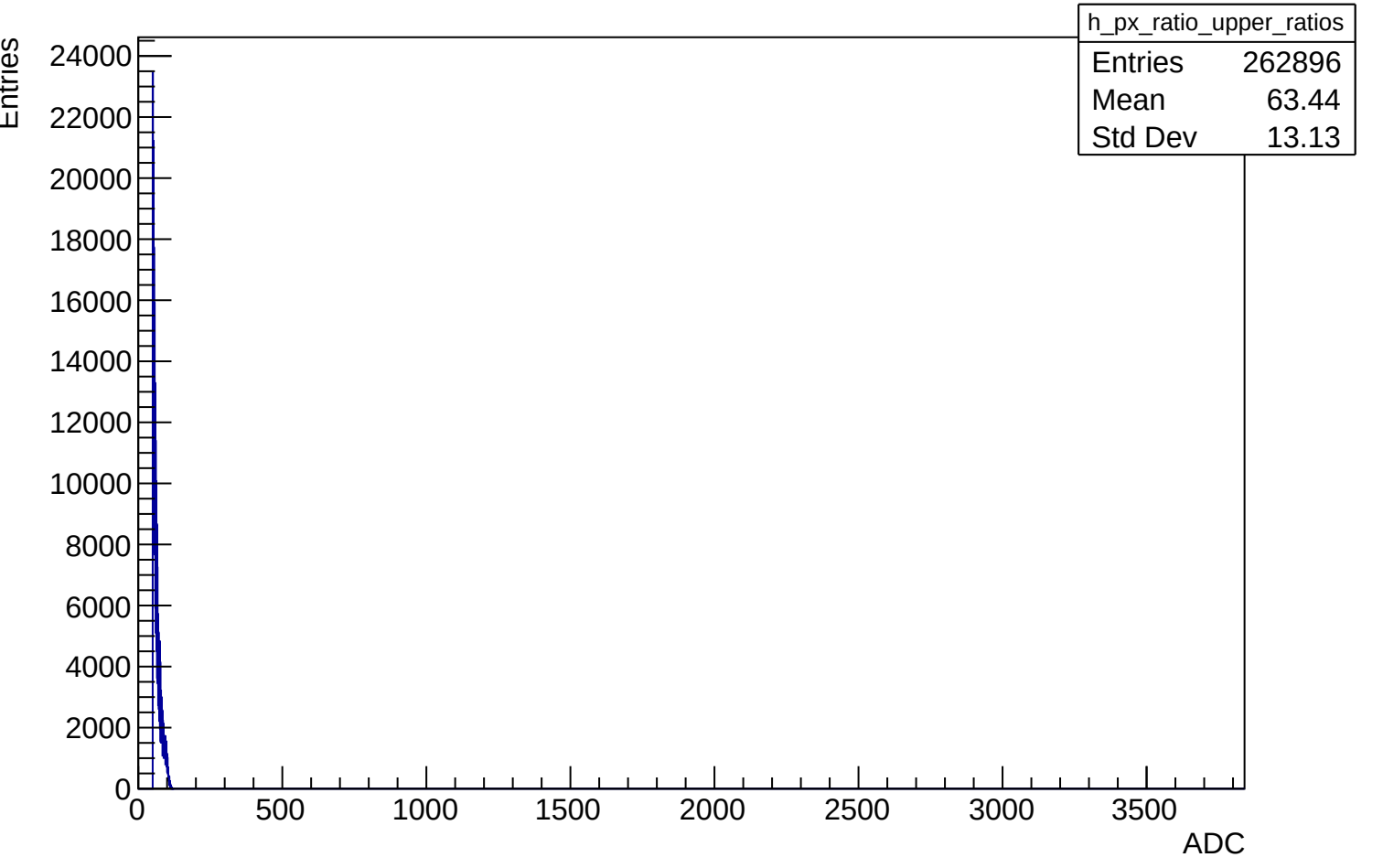

APV25 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 252833
Mean 233.9
Std Dev 105.4
Entries
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

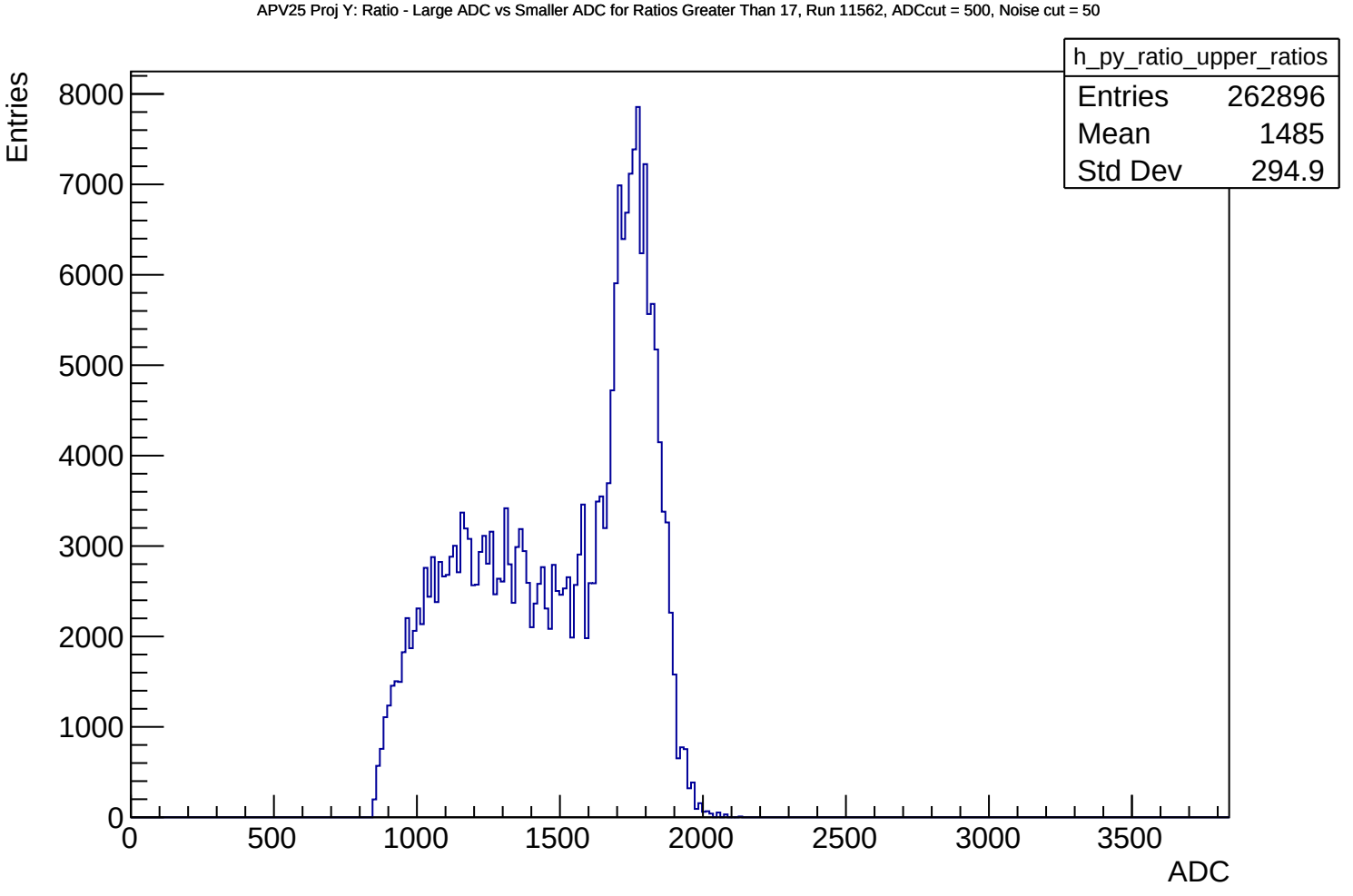

APV25 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 252833
Mean 908.5
Std Dev 388.4
Entries
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

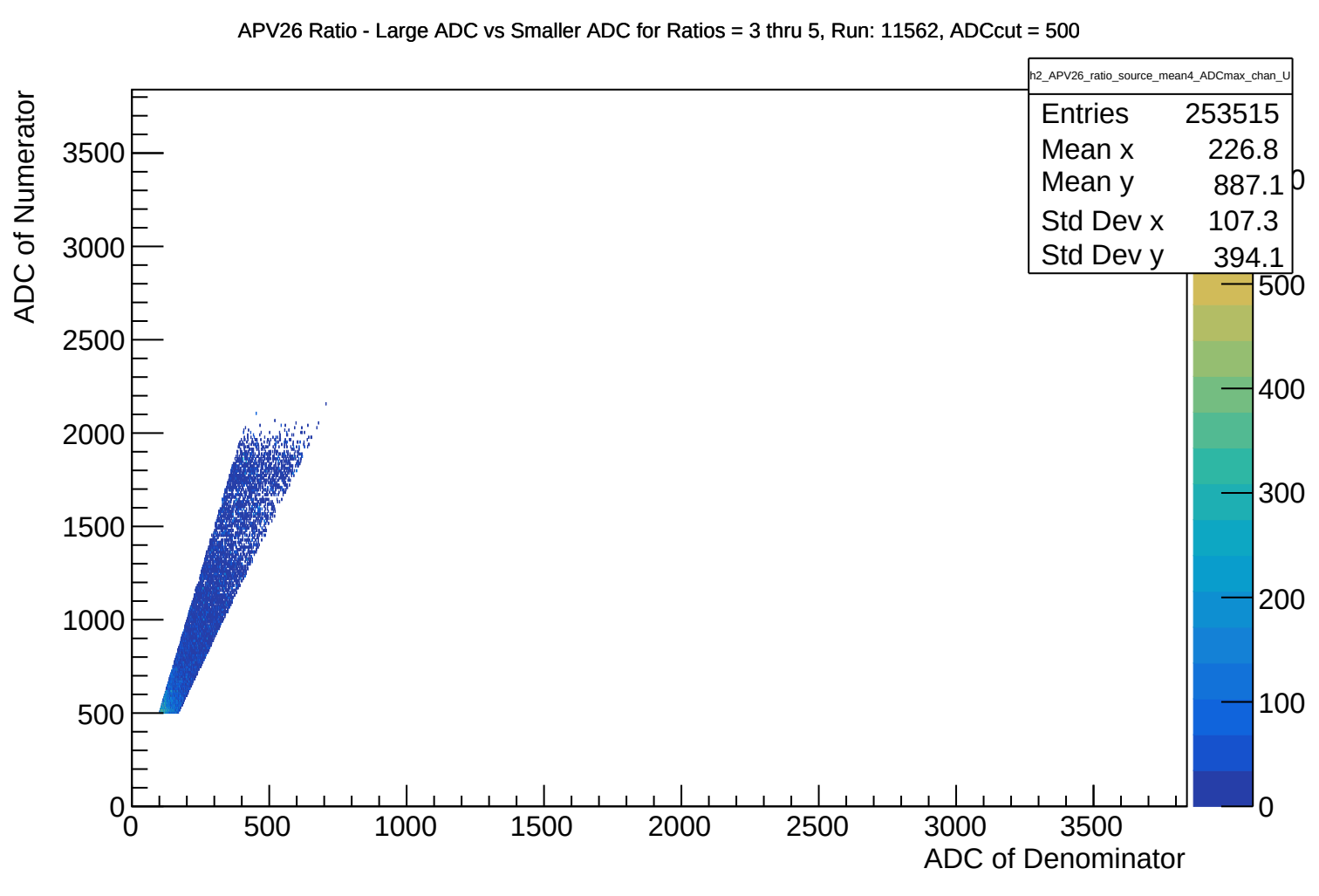

APV25 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 574748
Mean 102.7
Std Dev 45.75
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

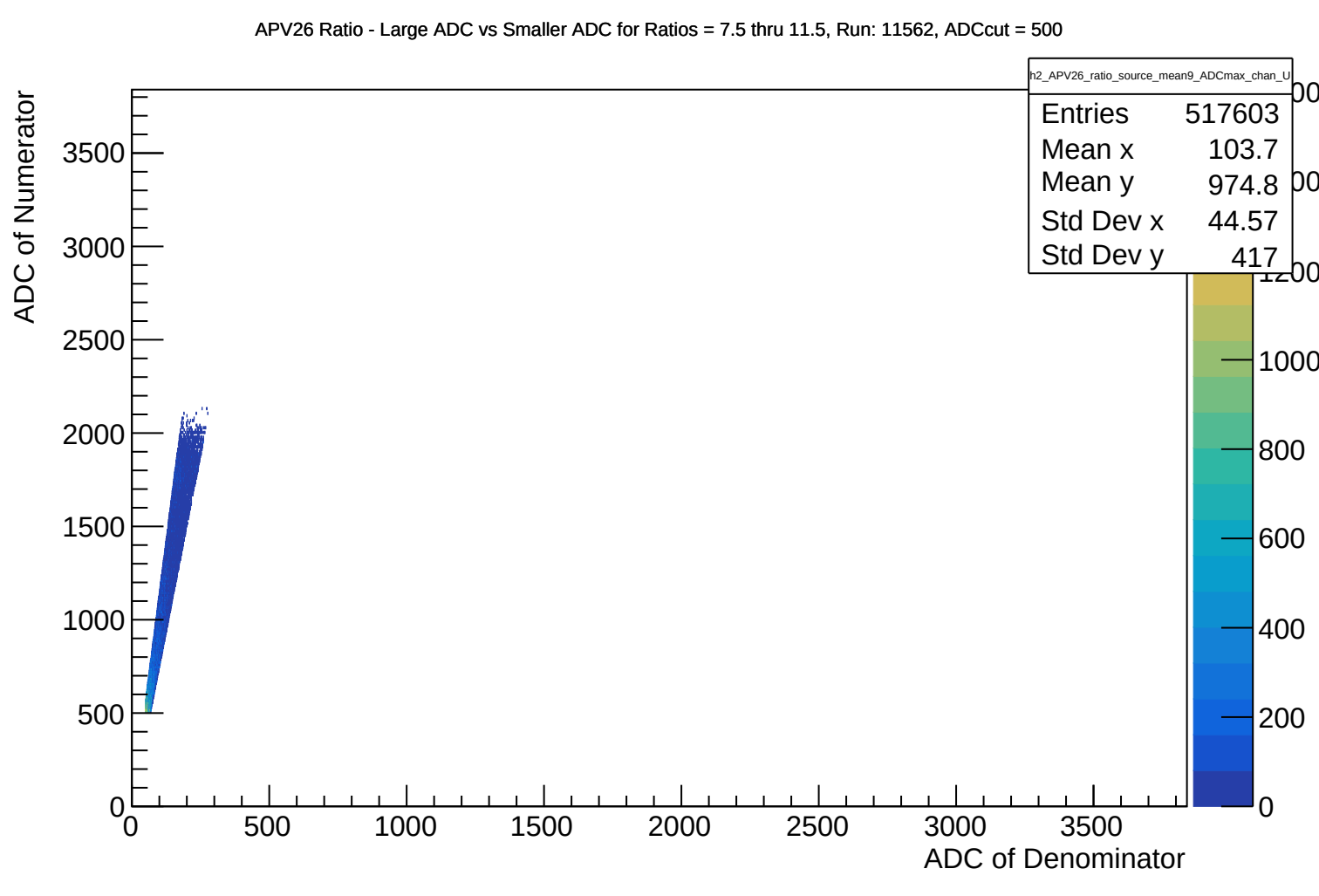

APV25 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 574748
Mean 962.6
Std Dev 420.4
Entries)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

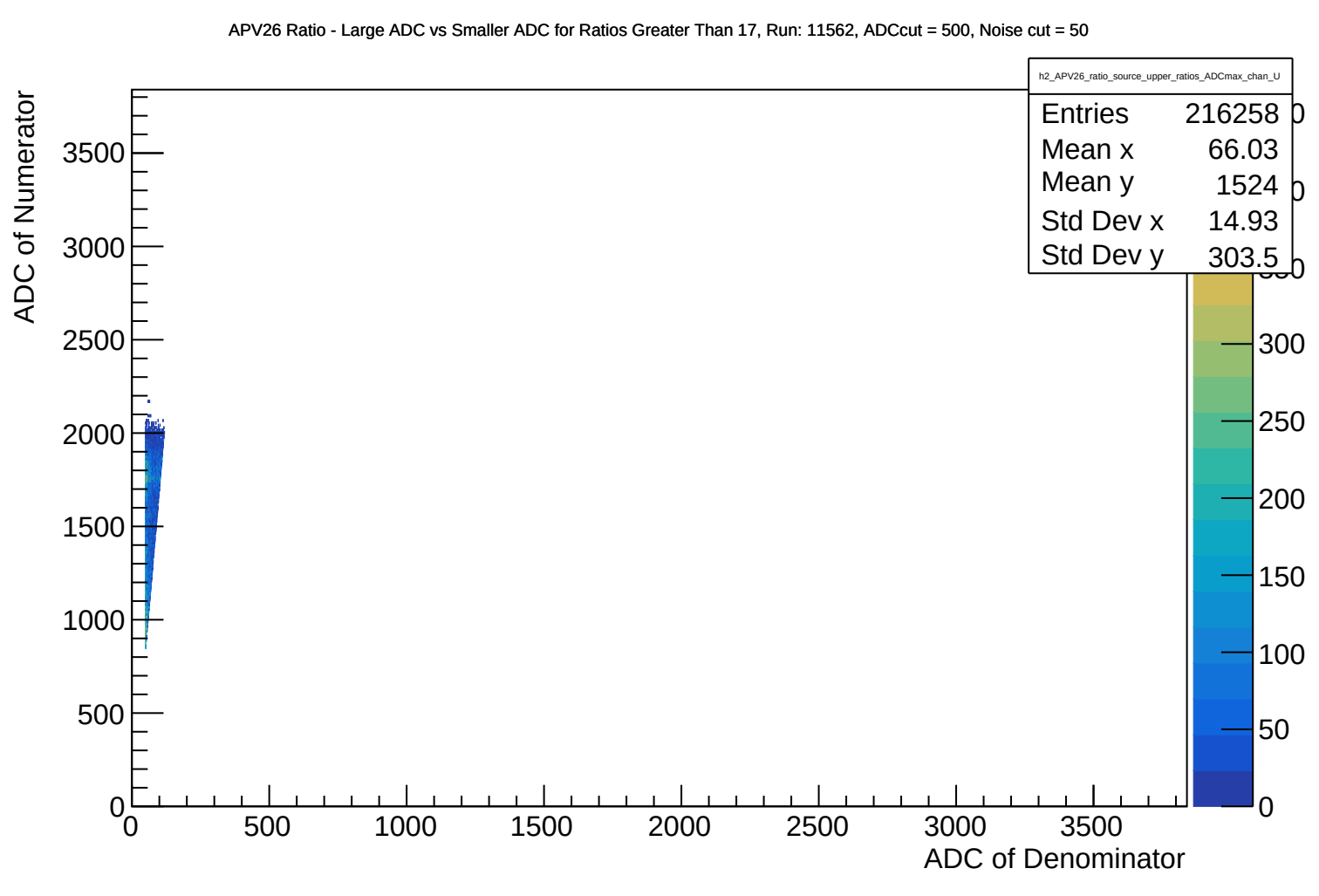
APV25 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

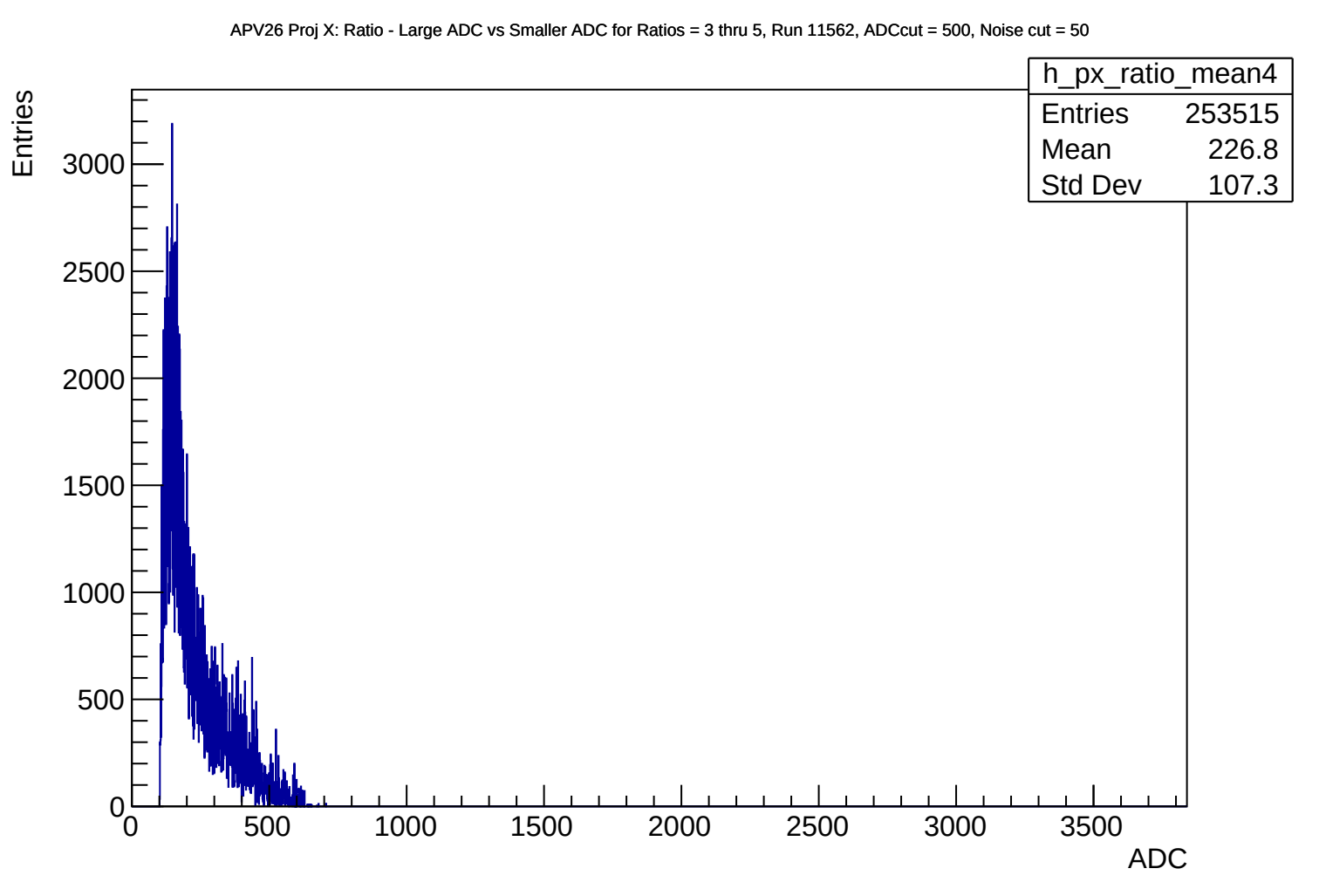


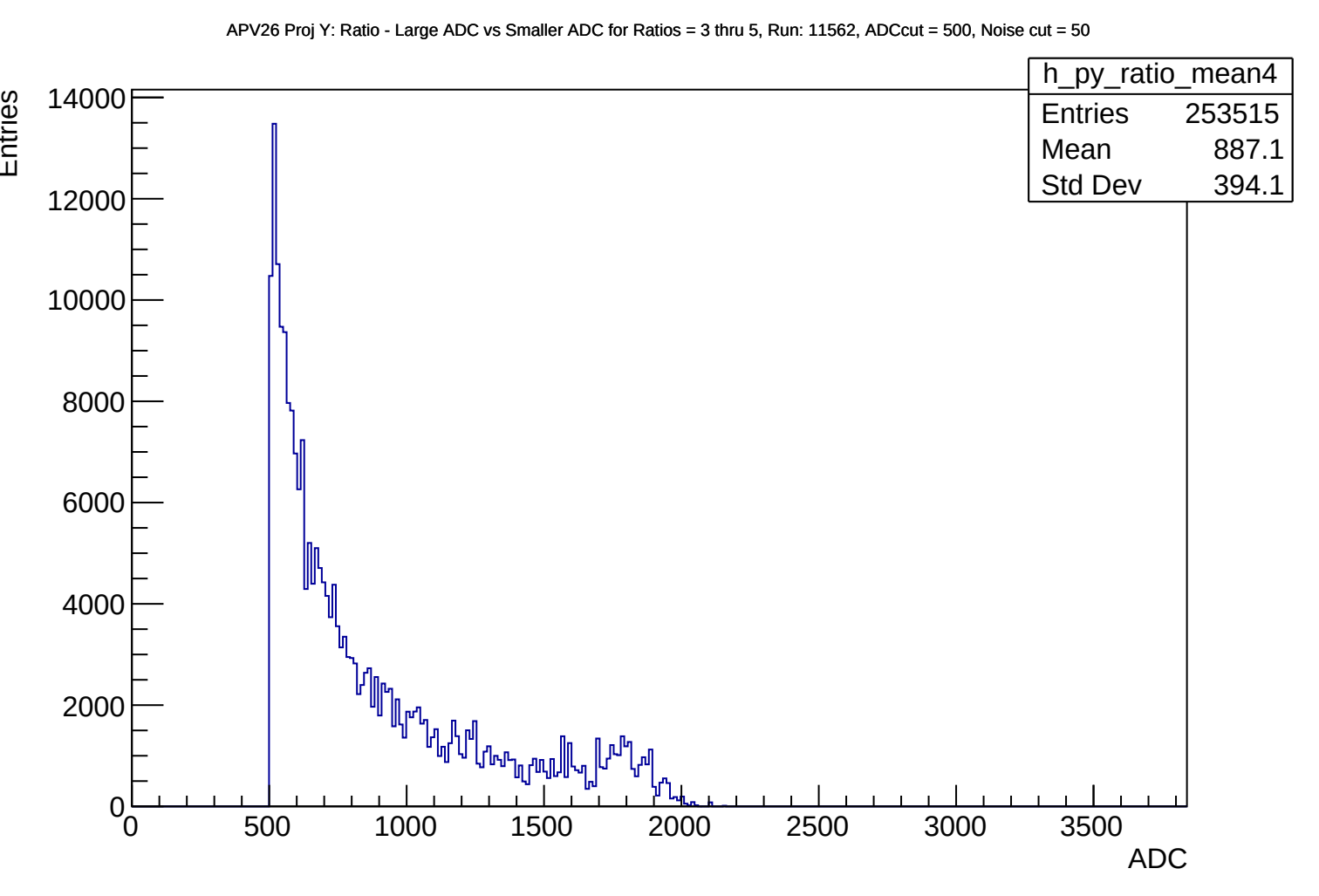

APV25 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 262896
Mean 1485
Std Dev 294.9
Entries
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

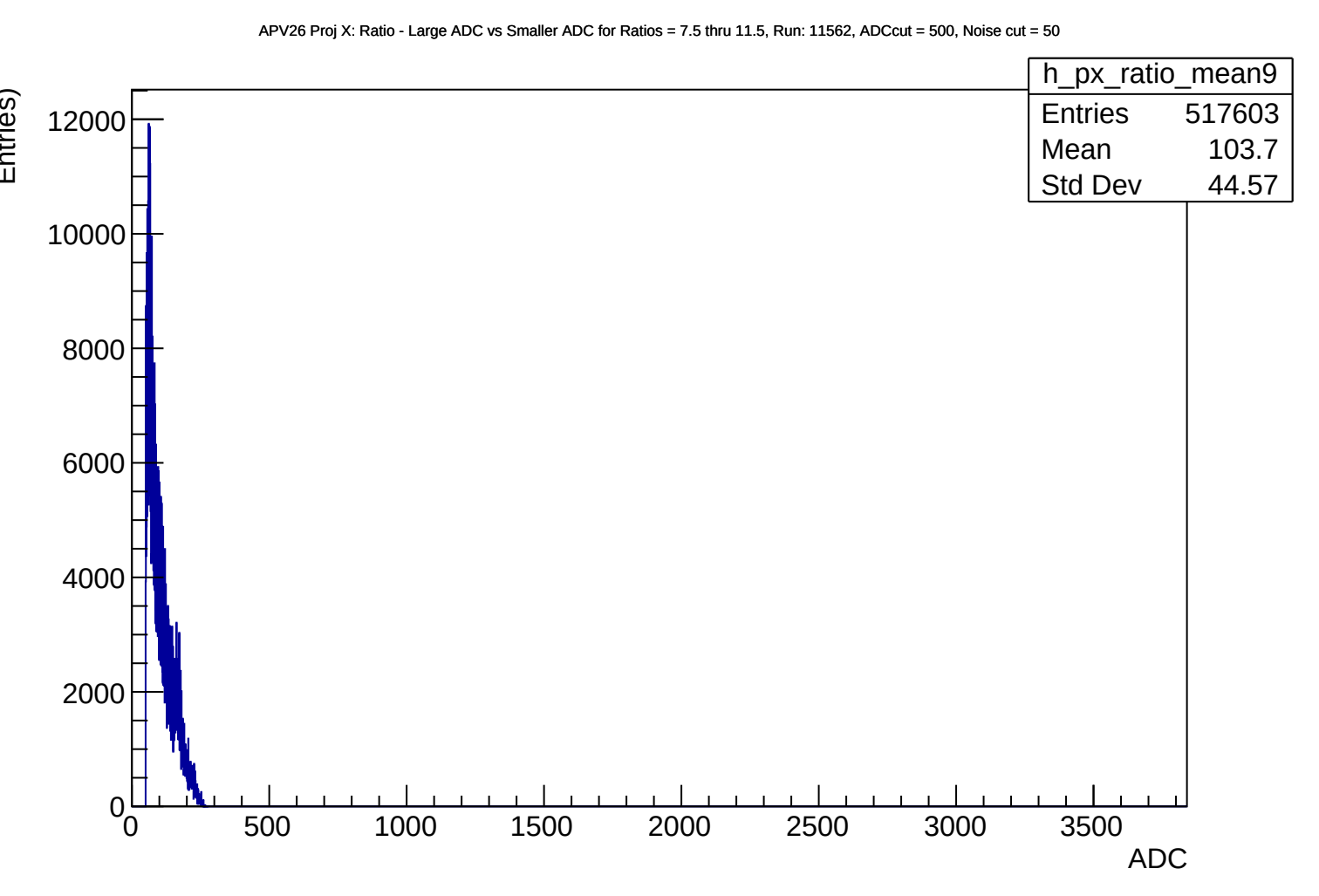

APV26 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV26_ratio_source_mean4_ADCmax_chan_U
Entries 253515
Mean x 226.8
Mean y 887.1
Std Dev x 107.3
Std Dev y 394.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

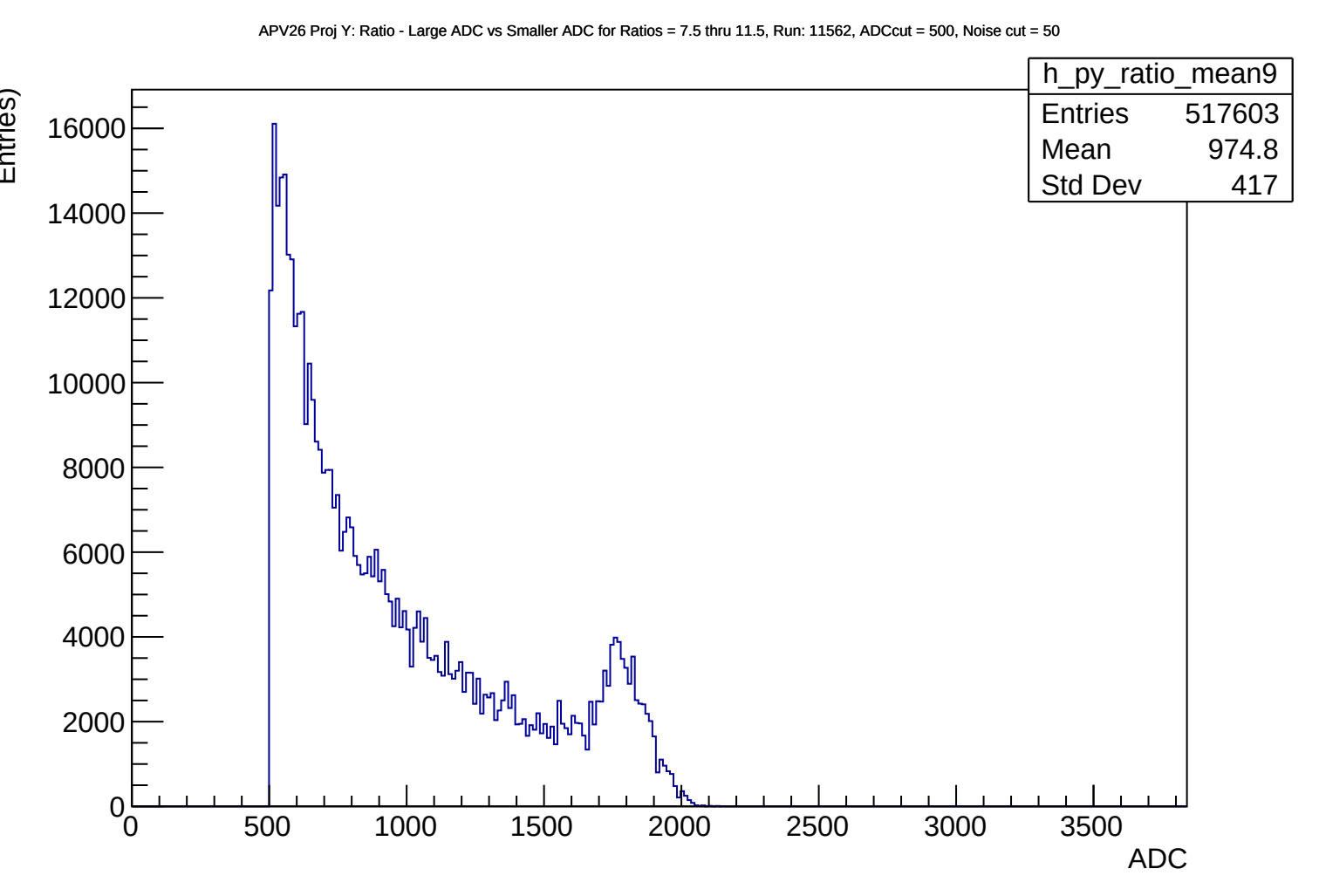

APV26 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV26_ratio_source_mean9_ADCmax_chan_U
Entries 517603
Mean x 103.7
Mean y 974.8
Std Dev x 44.57
Std Dev y 417
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1000


APV26 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV26_ratio_source_upper_ratios_ADCmax_chan_U
Entries 216258
Mean x 66.03
Mean y 1524
Std Dev x 14.93
Std Dev y 303.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
50
100
150
200
250
300

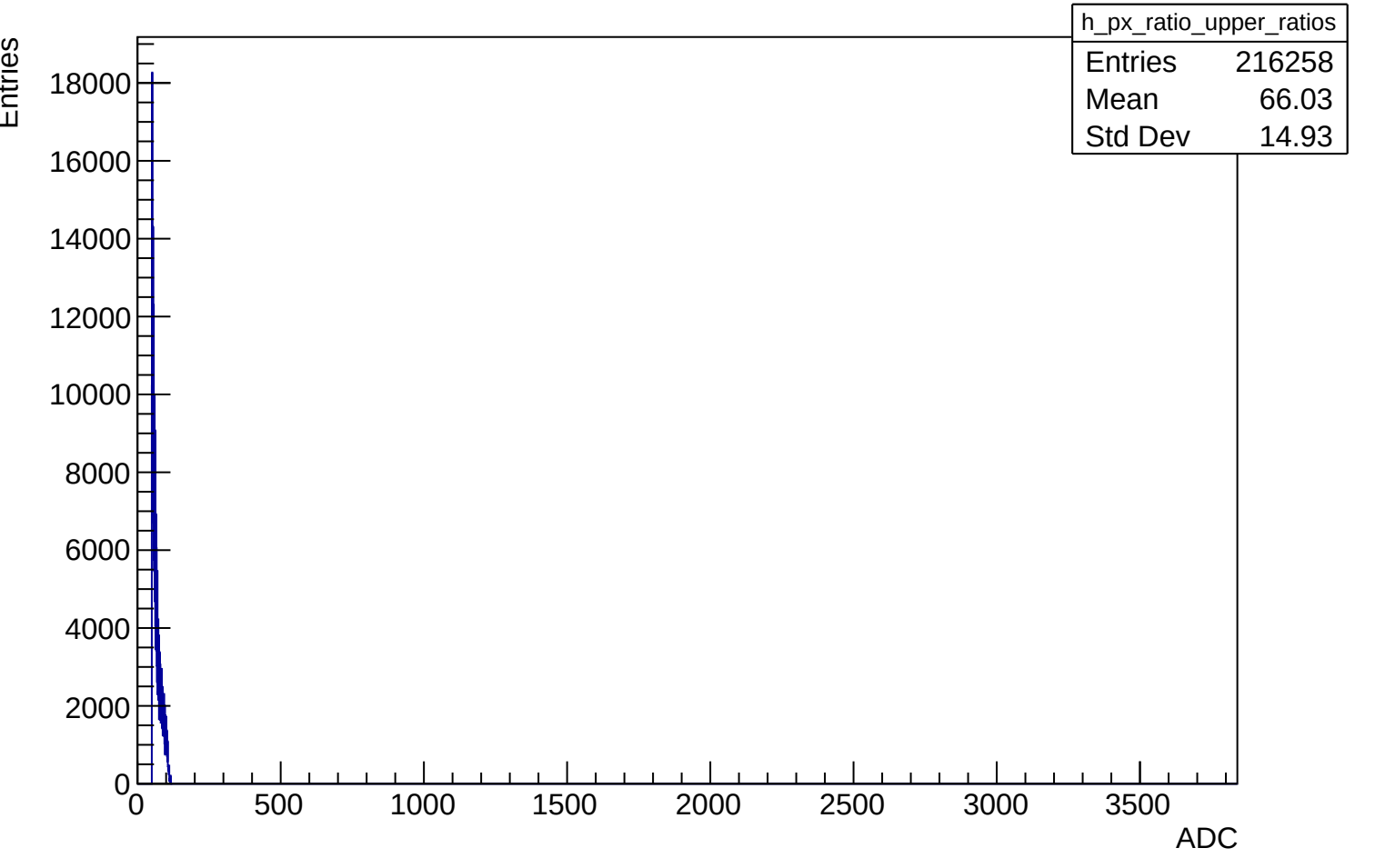

APV26 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 253515
Mean 226.8
Std Dev 107.3
Entries
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

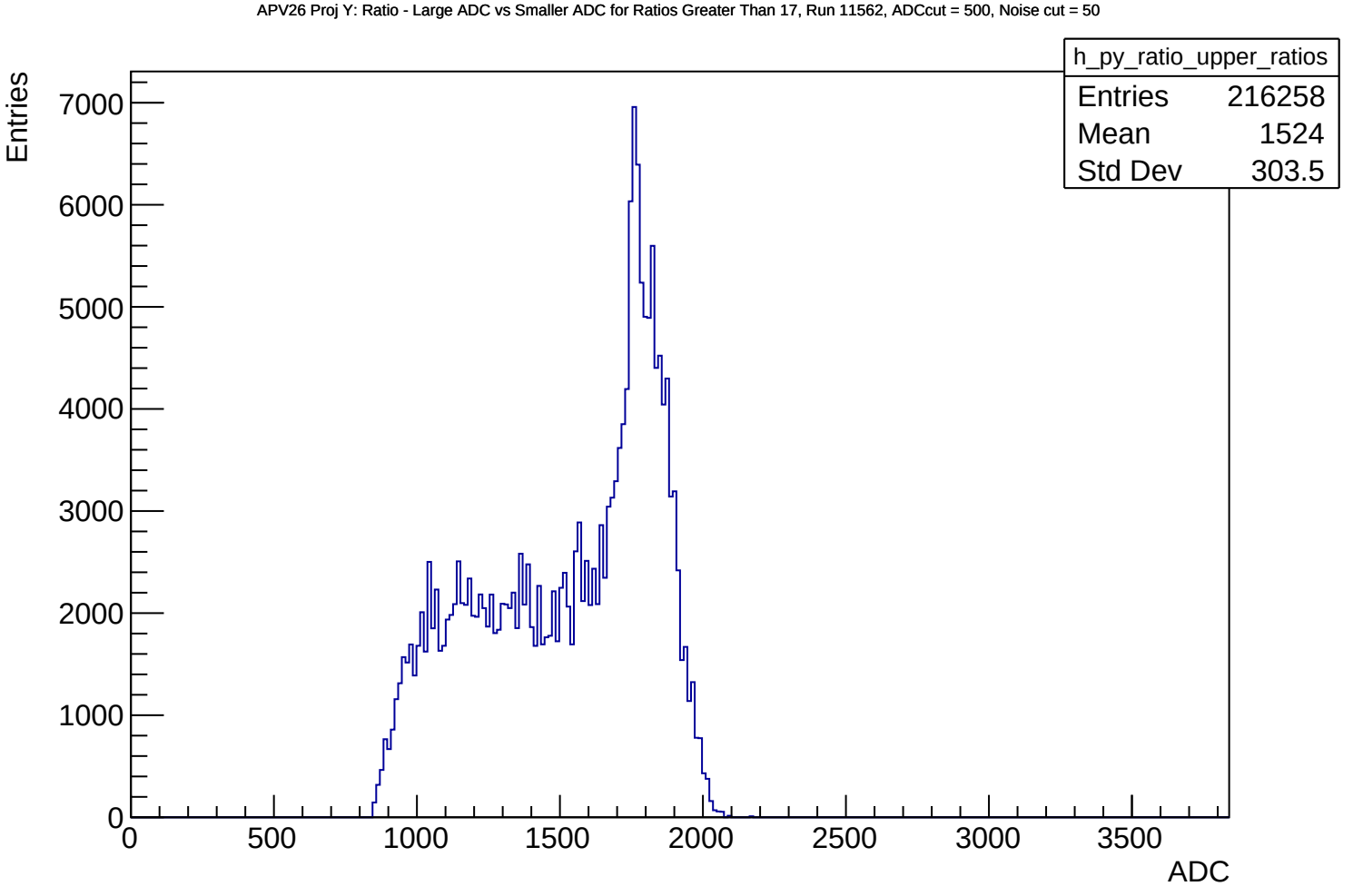

APV26 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 253515
Mean 887.1
Std Dev 394.1
Entries
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

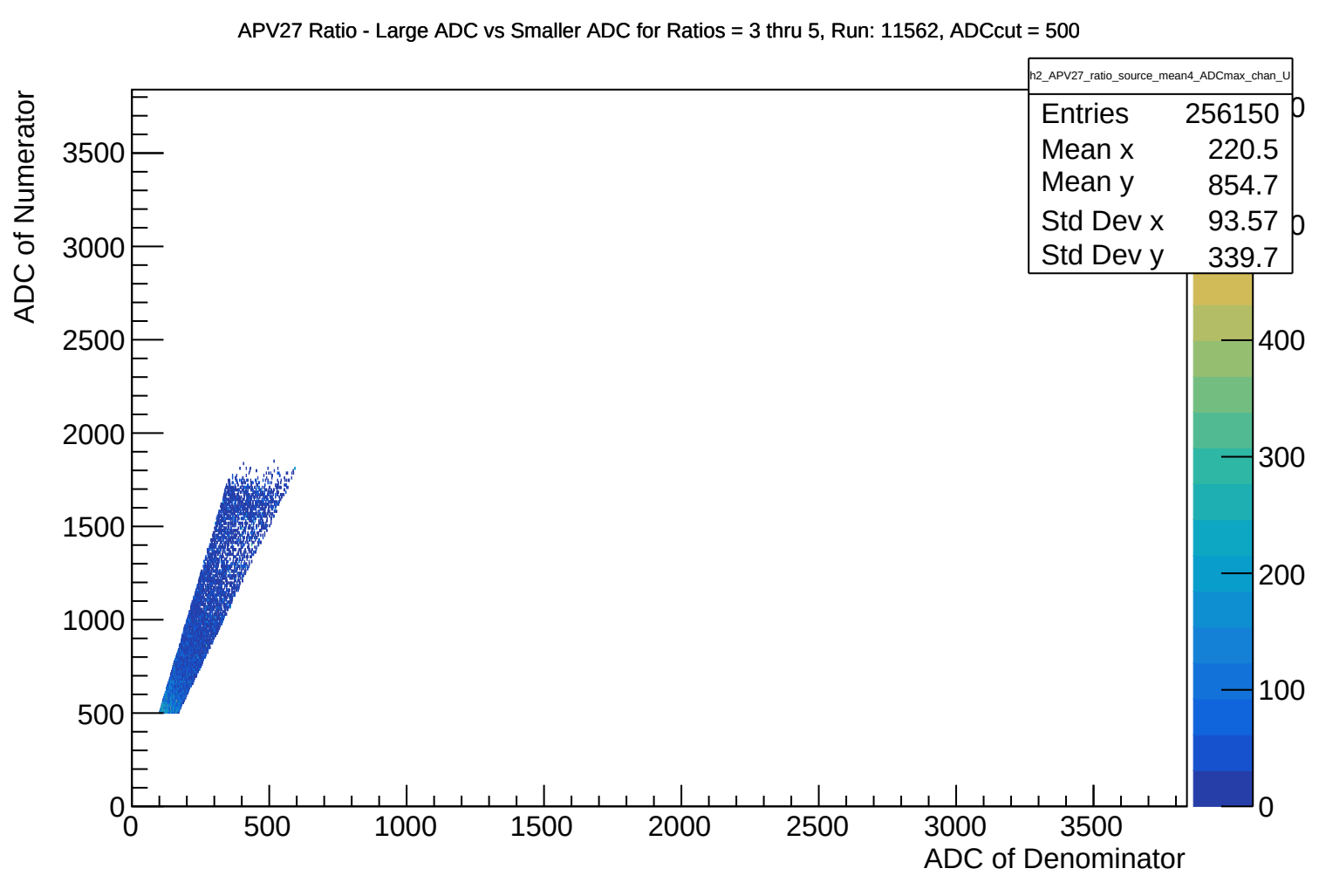

APV26 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 517603
Mean 103.7
Std Dev 44.57
Entries)
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

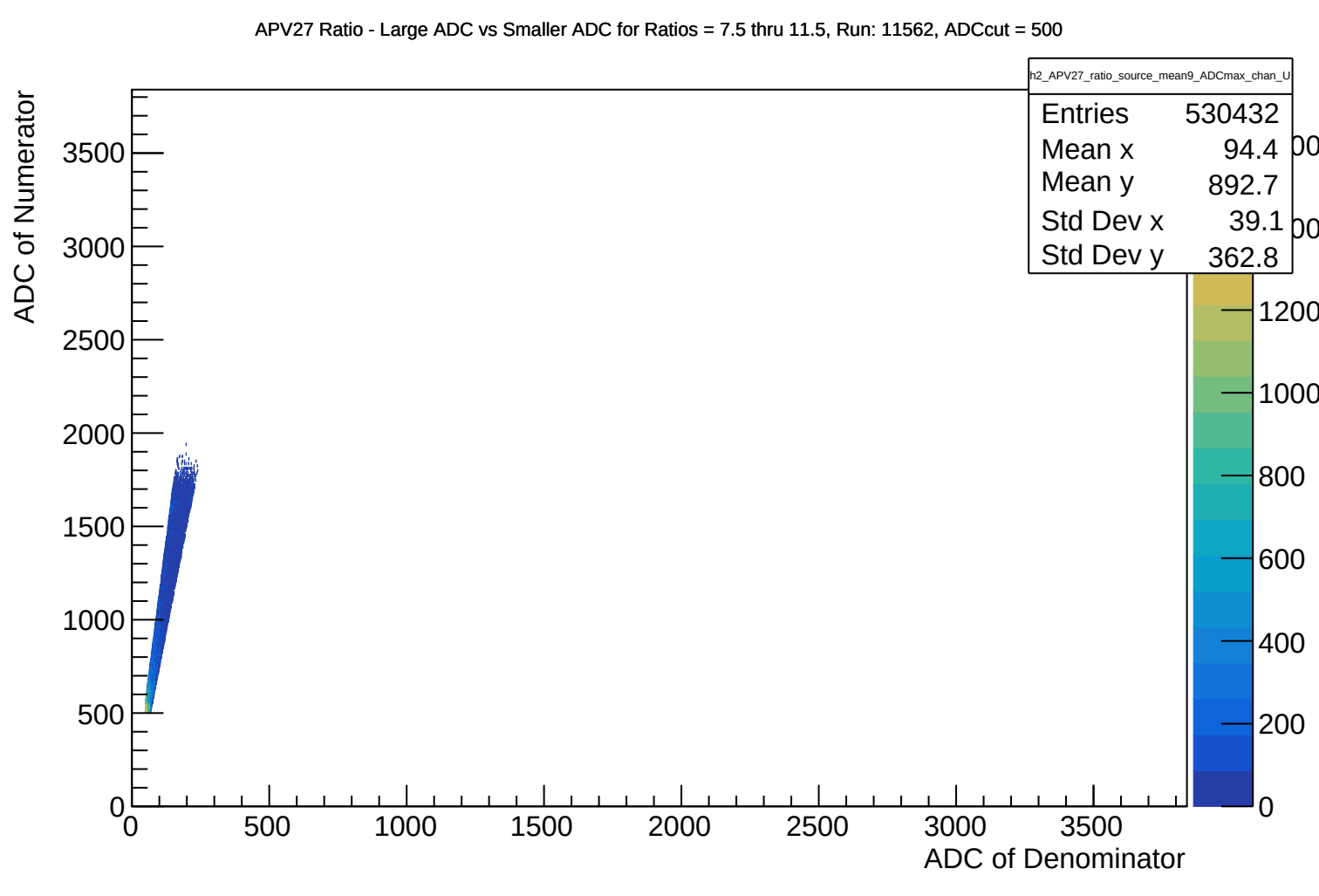

APV26 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 517603
Mean 974.8
Std Dev 417
Entries)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

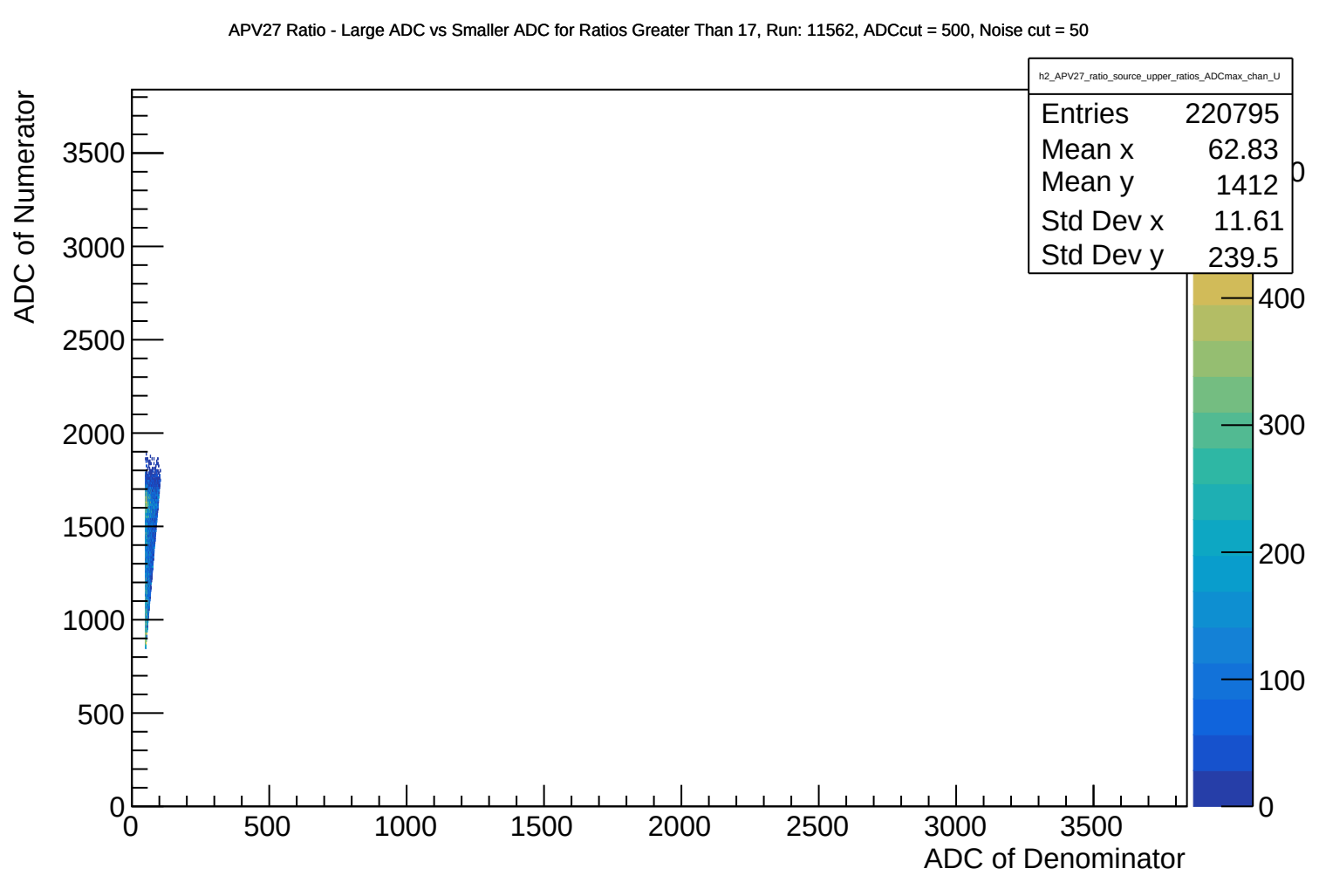
APV26 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

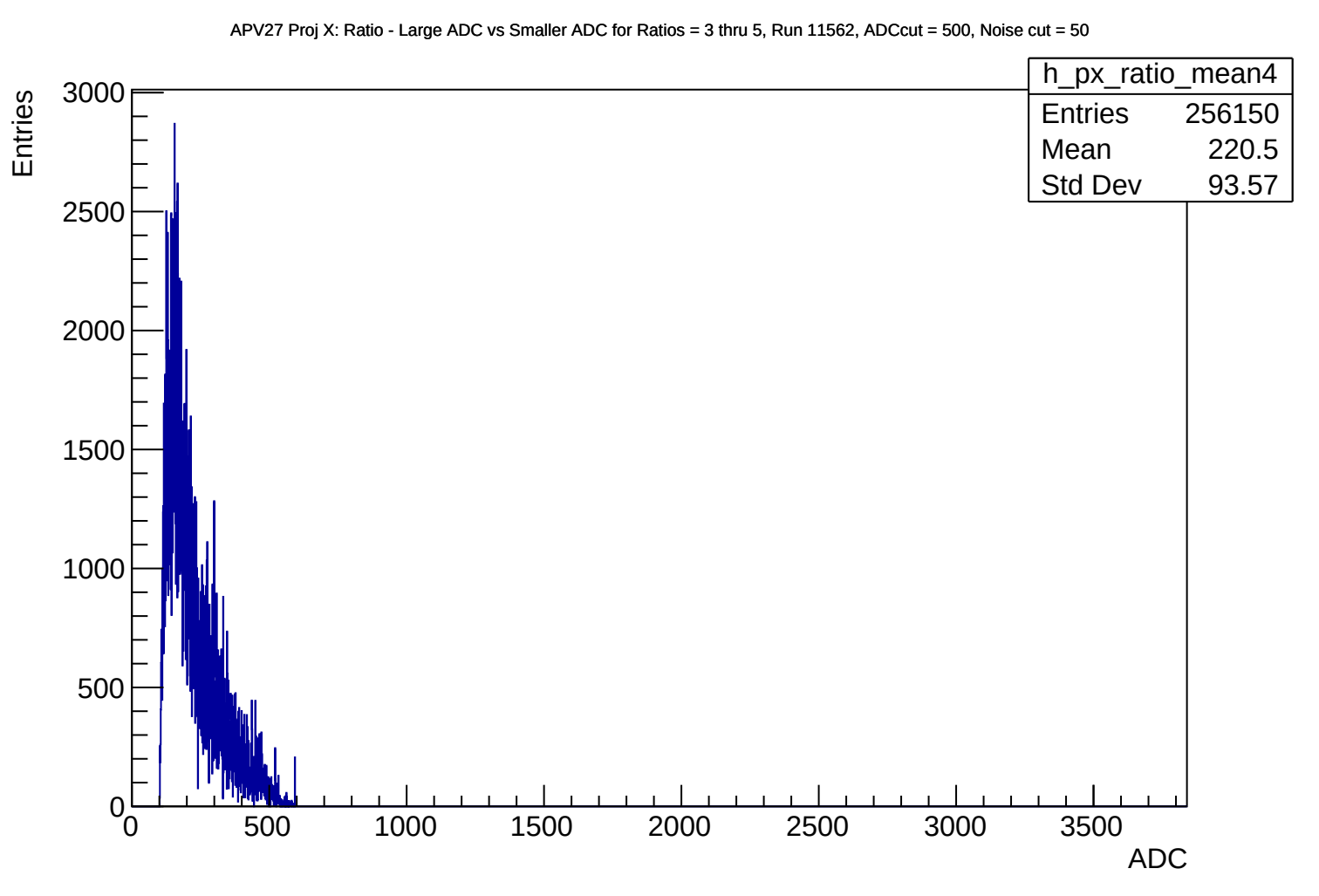


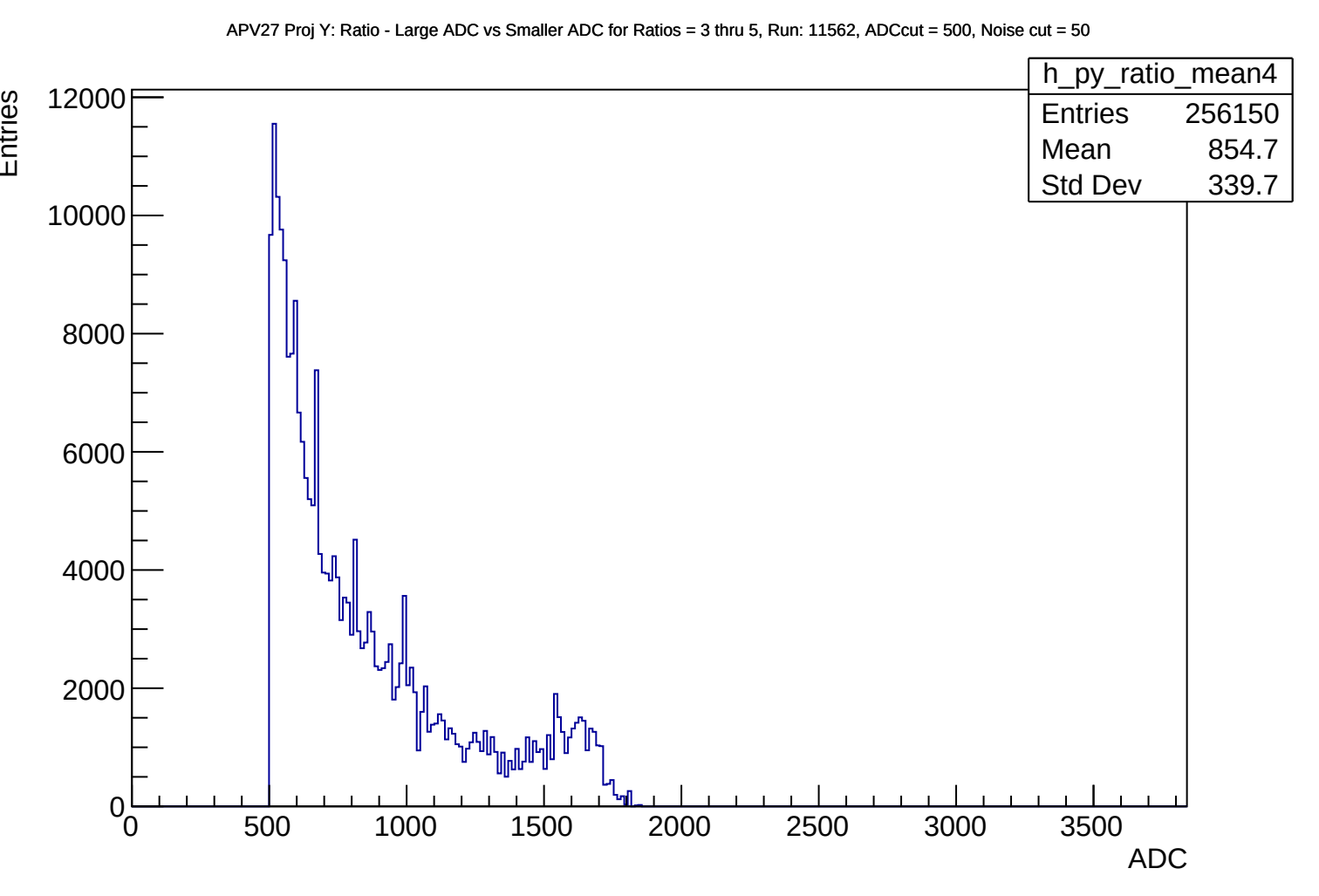

APV26 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 216258
Mean 1524
Std Dev 303.5
Entries
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

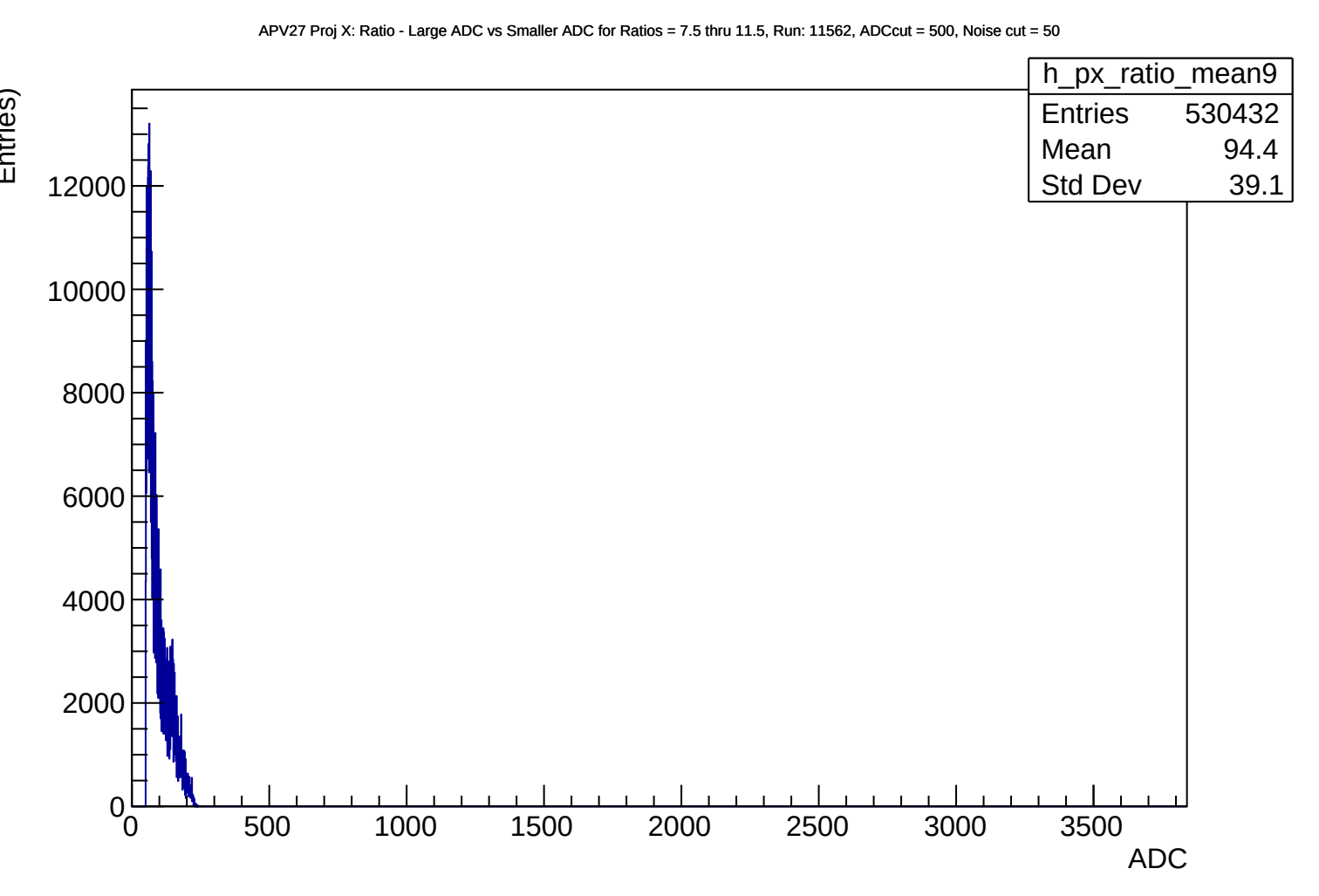

APV27 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV27_ratio_source_mean4_ADCmax_chan_U
Entries 256150
Mean x 220.5
Mean y 854.7
Std Dev x 93.57
Std Dev y 339.7
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

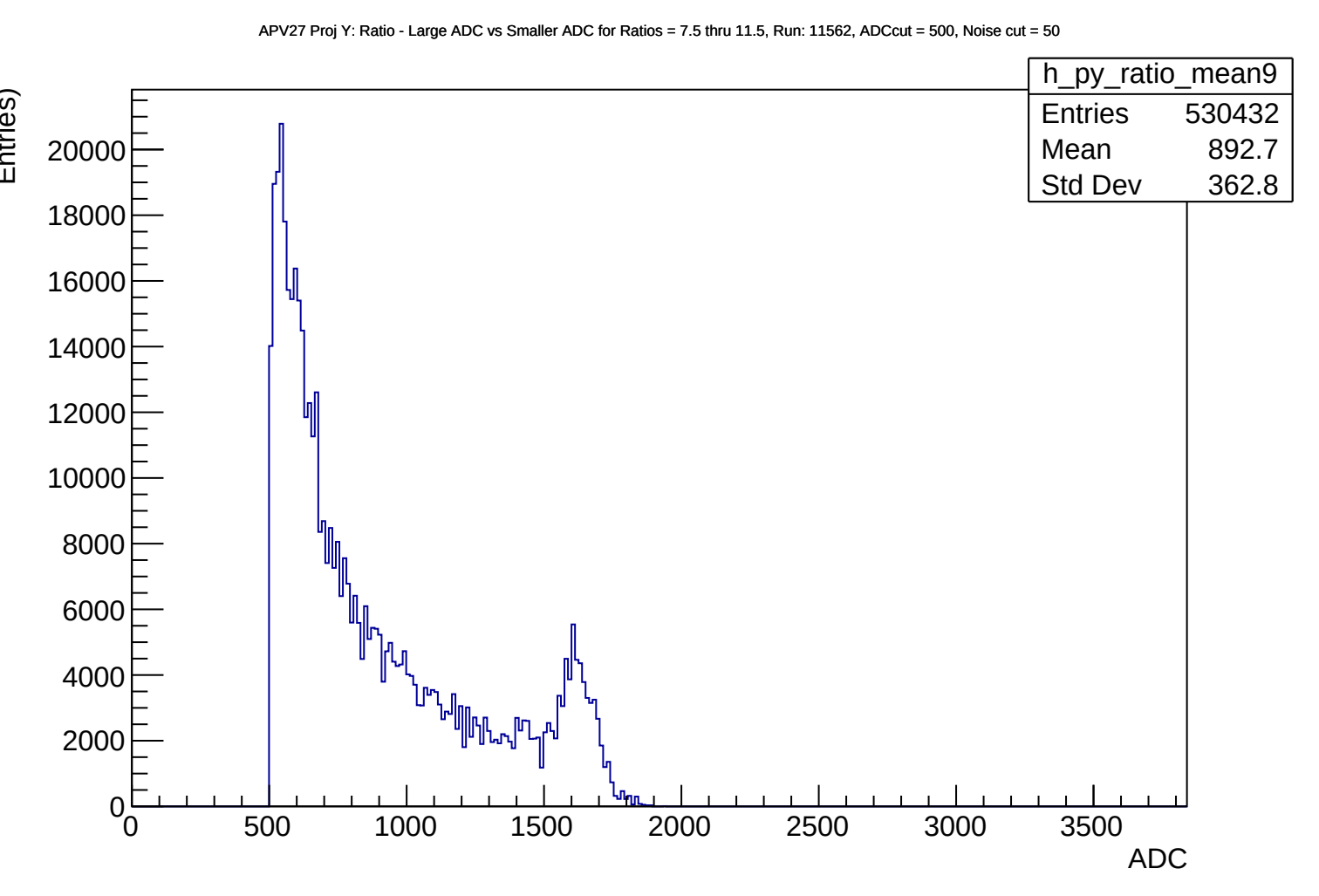

APV27 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV27_ratio_source_mean9_ADCmax_chan_U
Entries 530432
Mean x 94.4
Mean y 892.7
Std Dev x 39.1
Std Dev y 362.8
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1200


APV27 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV27_ratio_source_upper_ratios_ADCmax_chan_U
Entries 220795
Mean x 62.83
Mean y 1412
Std Dev x 11.61
Std Dev y 239.5
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400

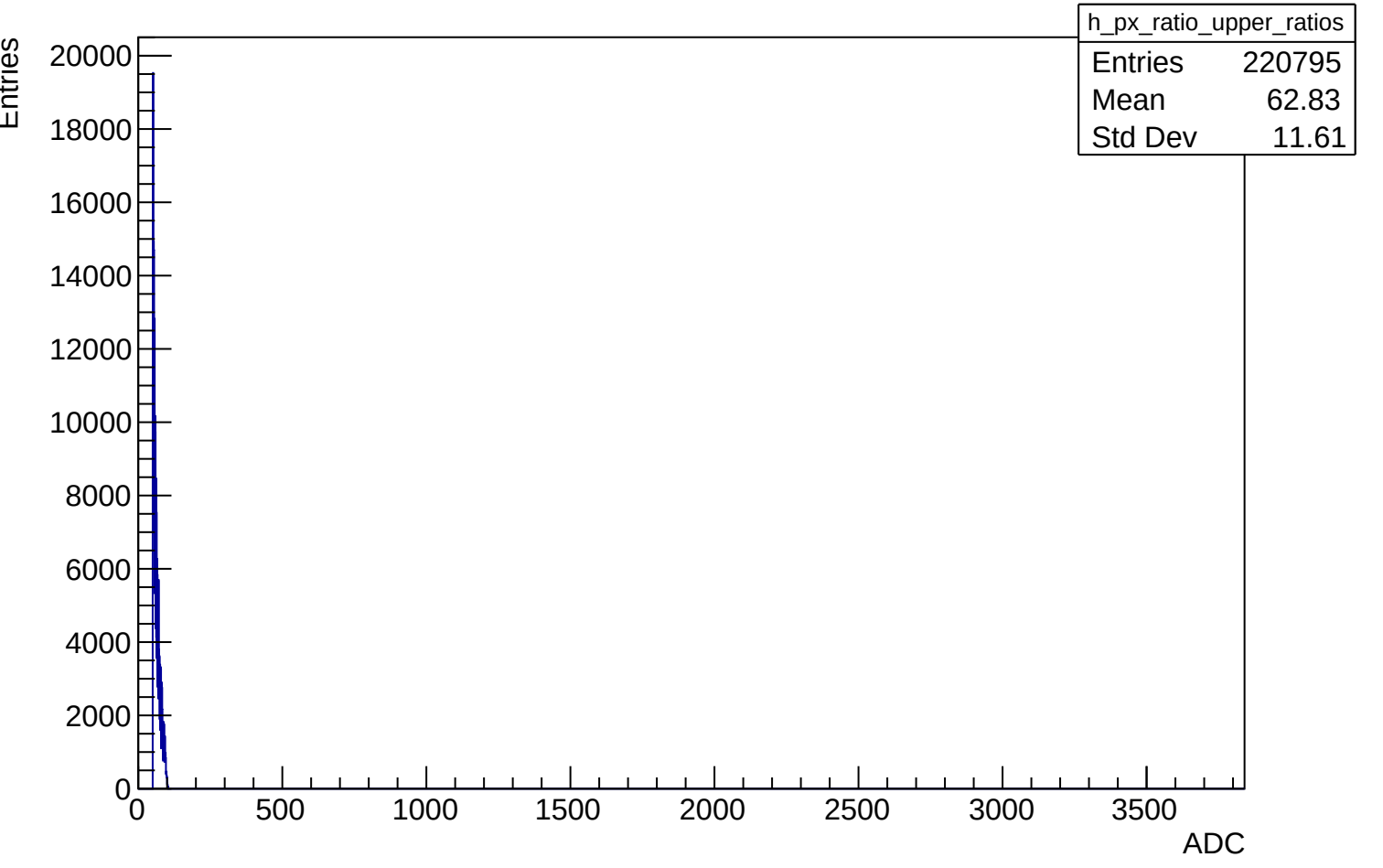

APV27 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 256150
Mean 220.5
Std Dev 93.57
Entries
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

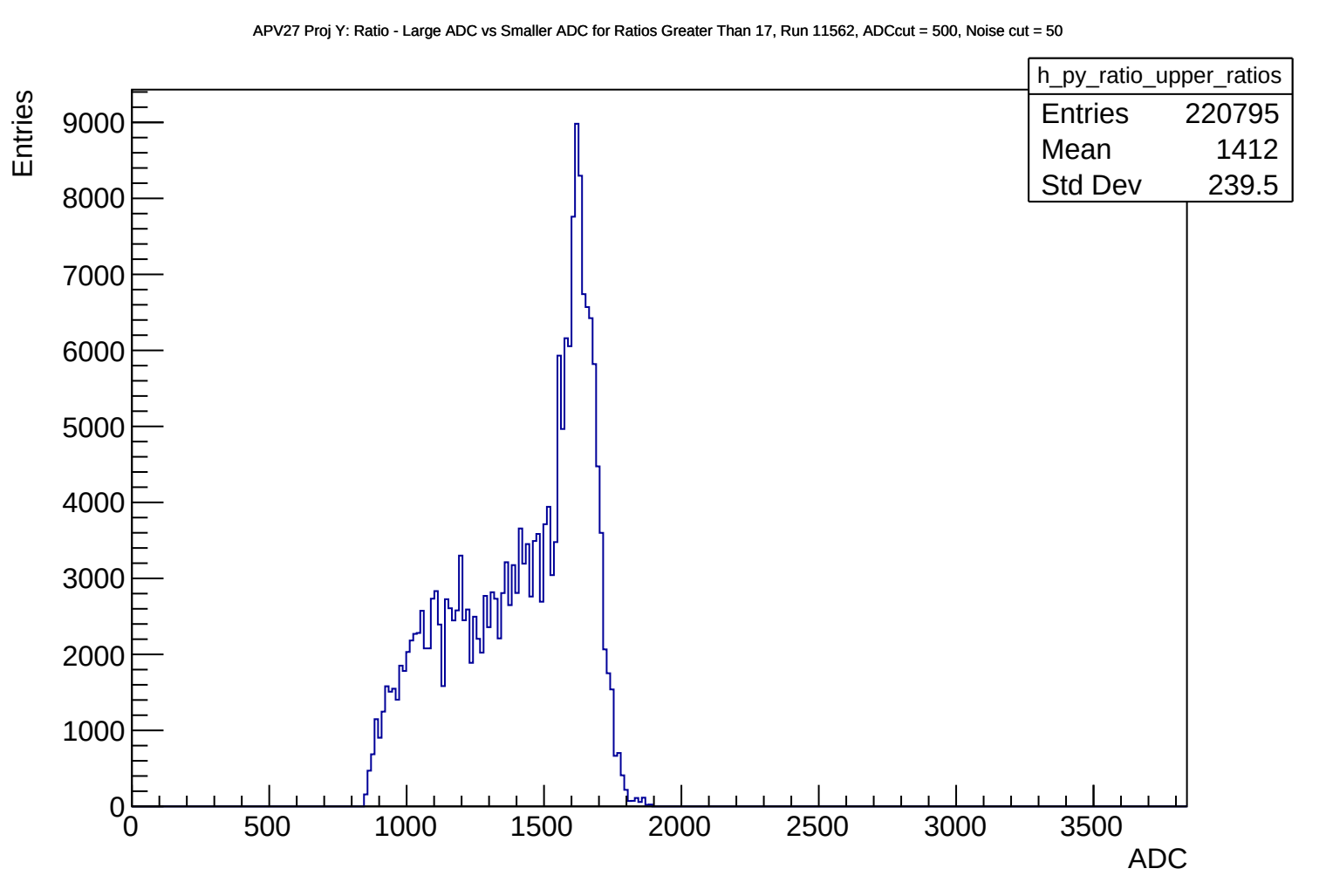

APV27 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 256150
Mean 854.7
Std Dev 339.7
Entries
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

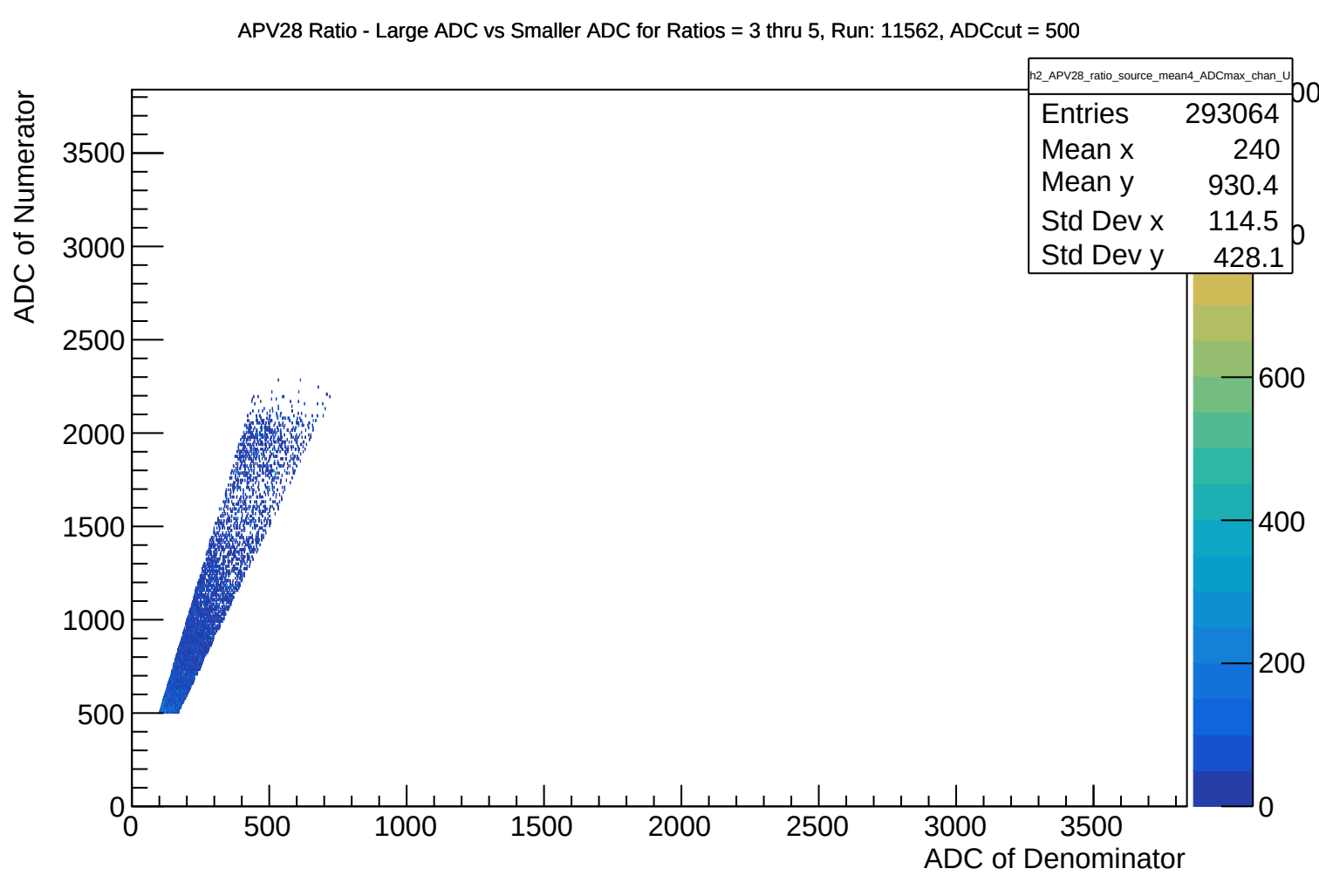

APV27 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 530432
Mean 94.4
Std Dev 39.1
Entries)
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

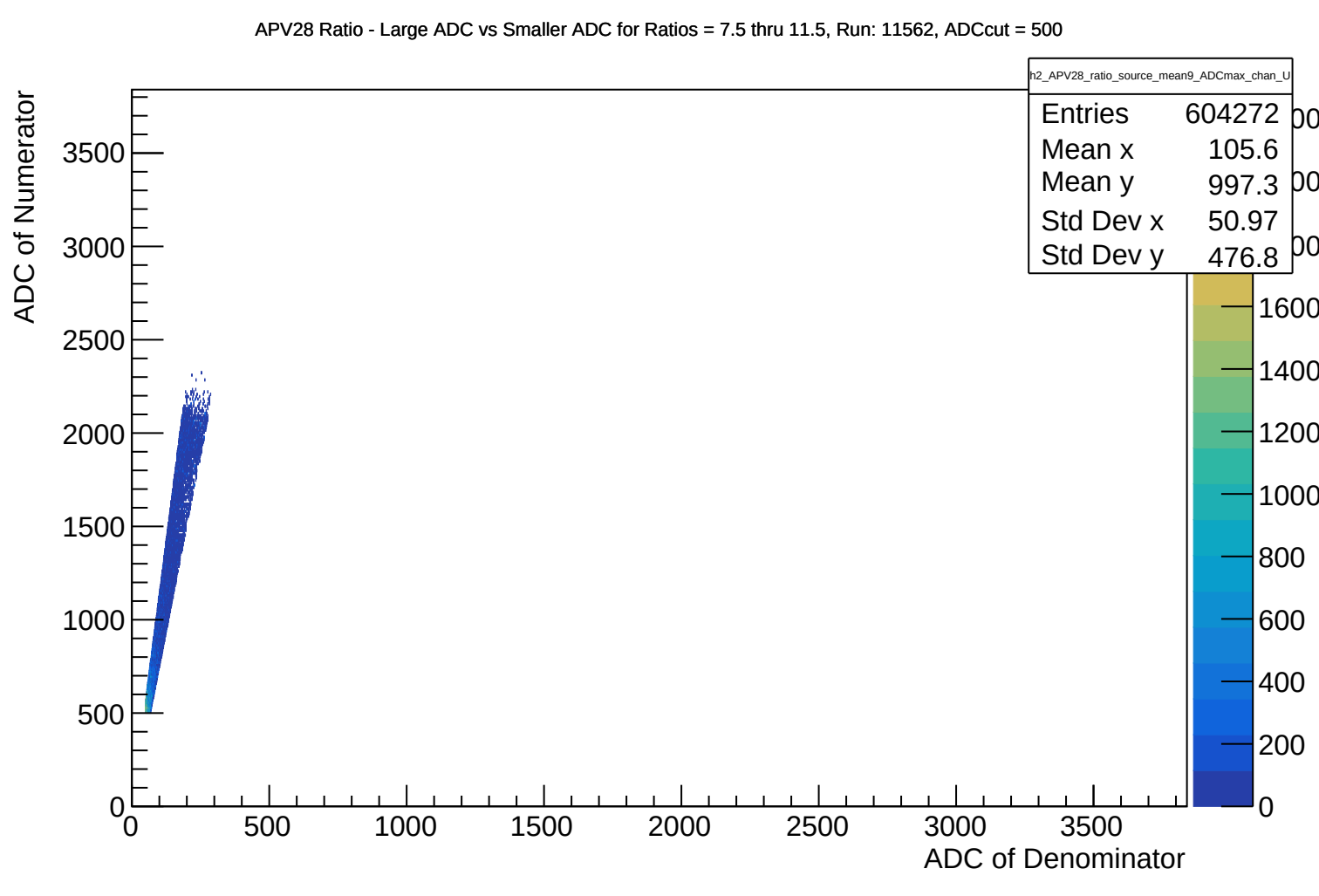

APV27 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 530432
Mean 892.7
Std Dev 362.8
Entries)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

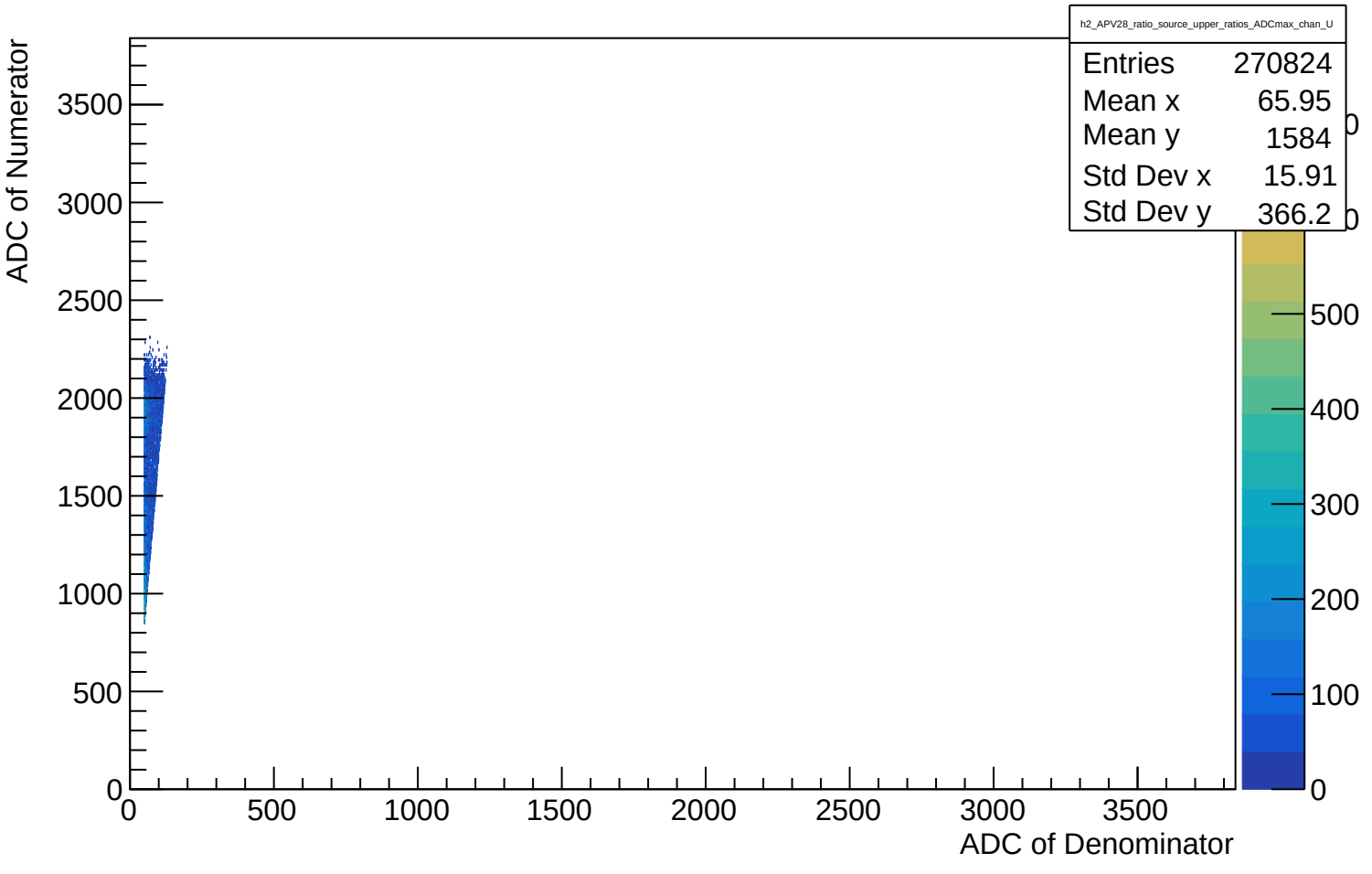
APV27 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

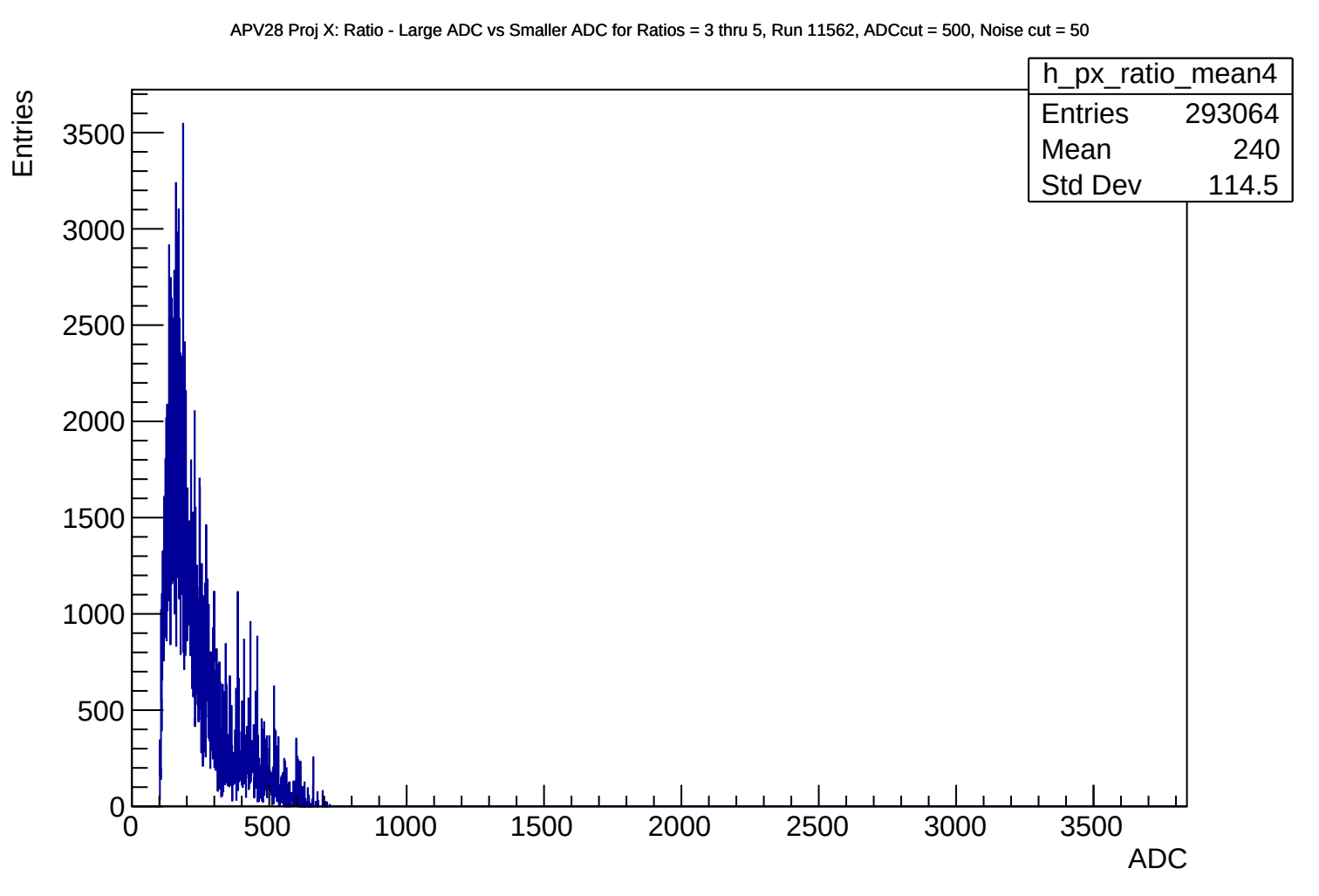


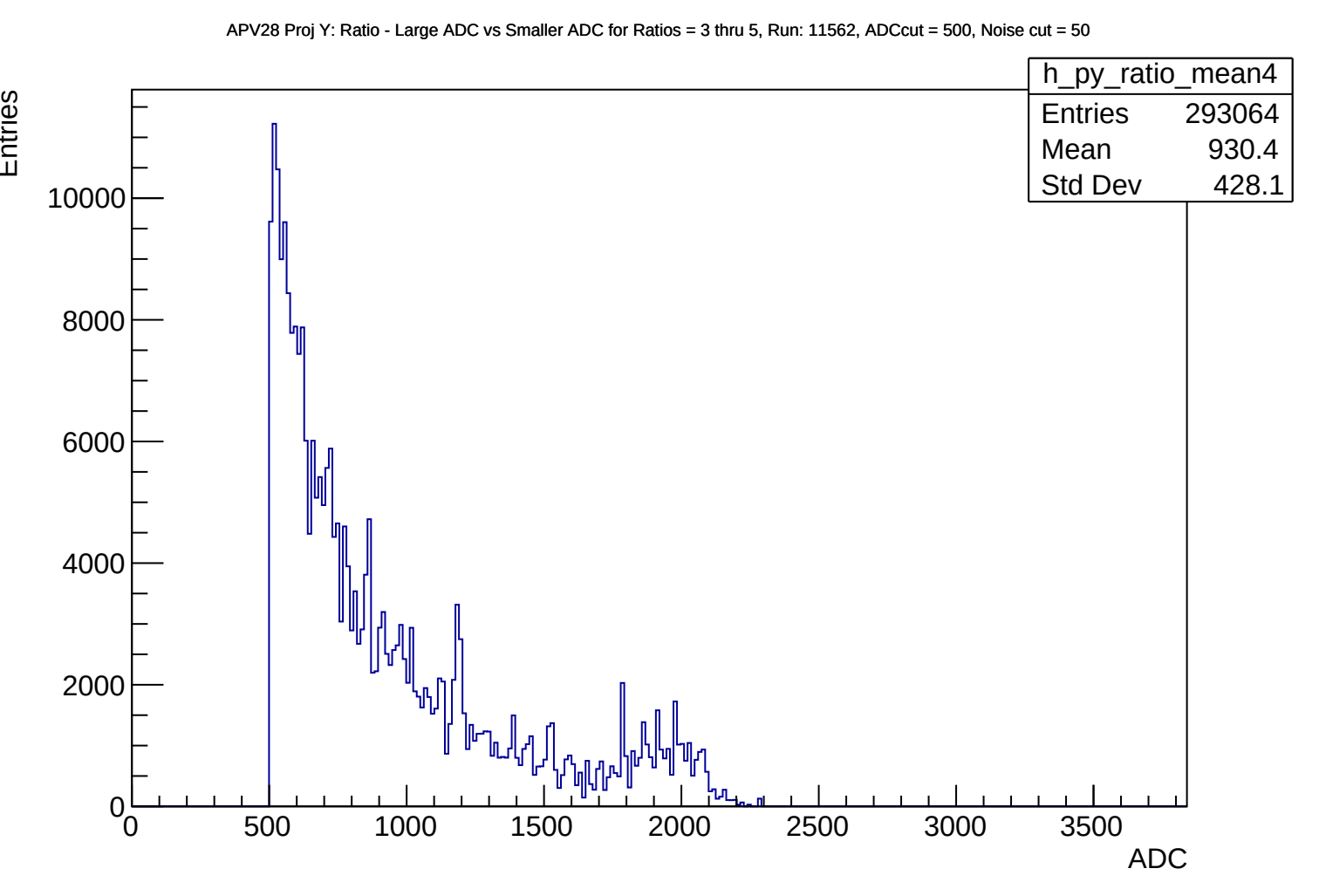

APV27 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 220795
Mean 1412
Std Dev 239.5
Entries
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

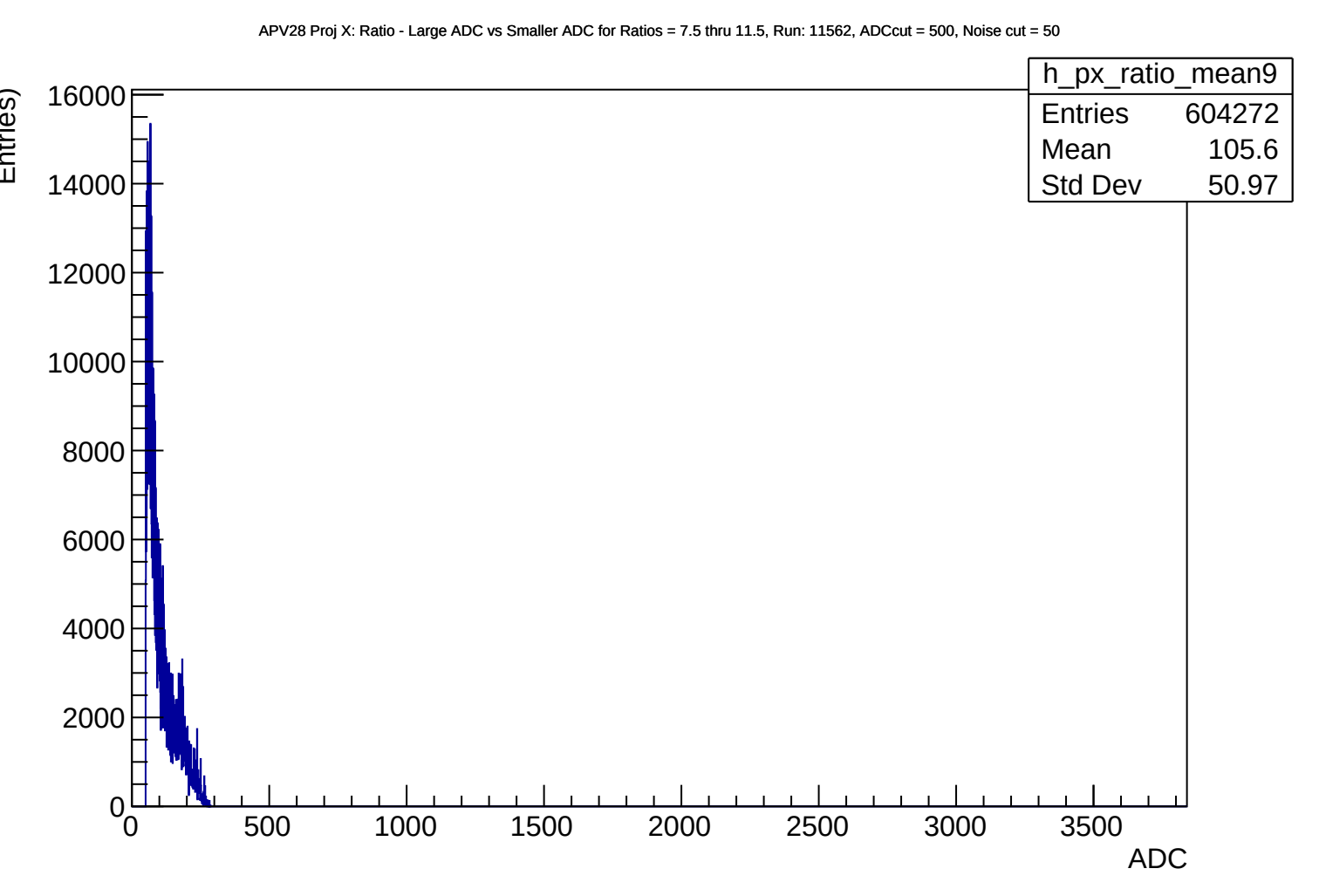

APV28 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV28_ratio_source_mean4_ADCmax_chan_U
Entries 293064
Mean x 240
Mean y 930.4
Std Dev x 114.5
Std Dev y 428.1
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600

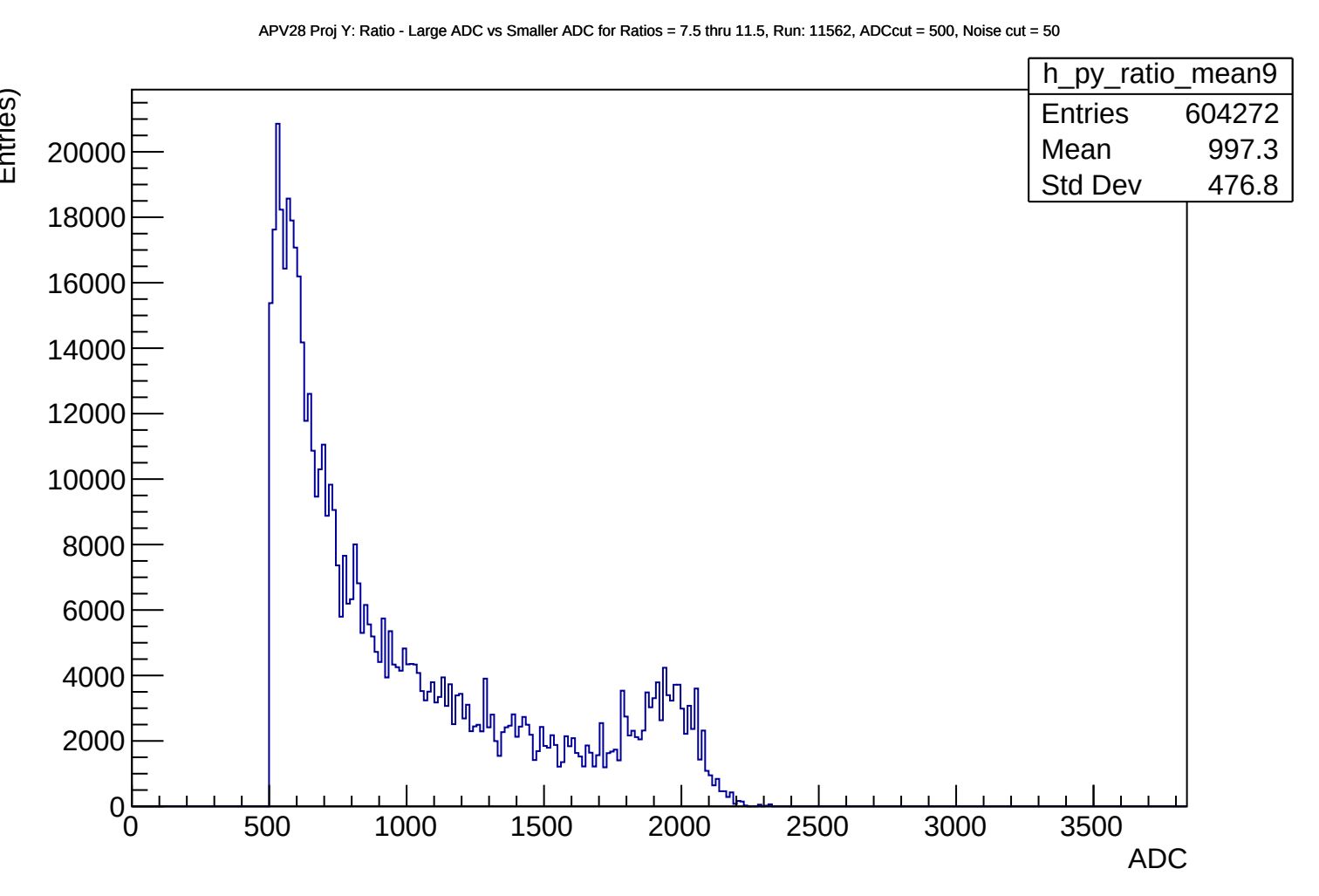

APV28 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV28_ratio_source_mean9_ADCmax_chan_U
Entries 604272
Mean x 105.6
Mean y 997.3
Std Dev x 50.97
Std Dev y 476.8
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800
1000
1200
1400
1600


APV28 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV28_ratio_source_upper_ratios_ADCmax_chan_U
Entries 270824
Mean x 65.95
Mean y 1584
Std Dev x 15.91
Std Dev y 366.2
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
100
200
300
400
500

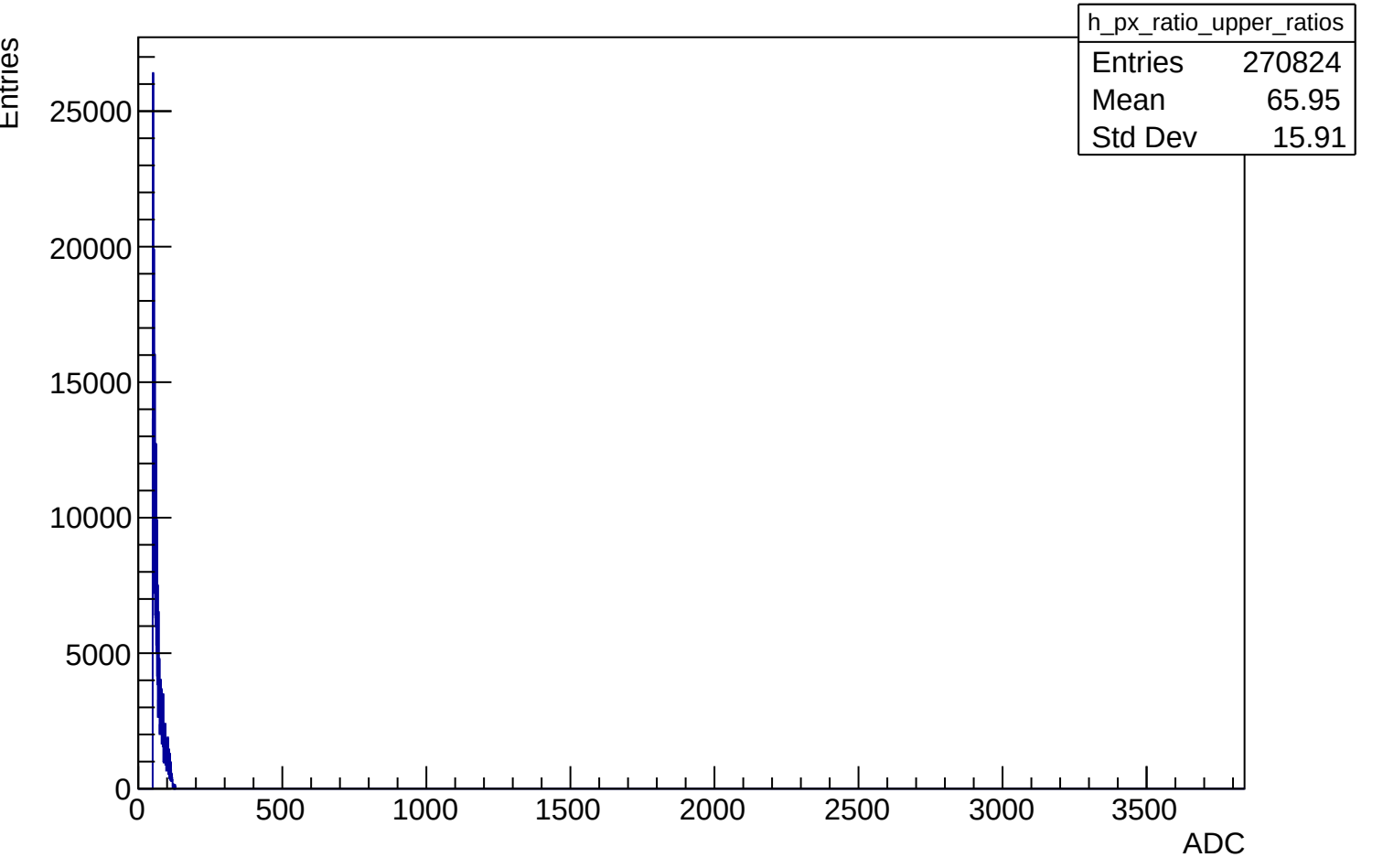

APV28 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 293064
Mean 240
Std Dev 114.5
Entries
3500
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC

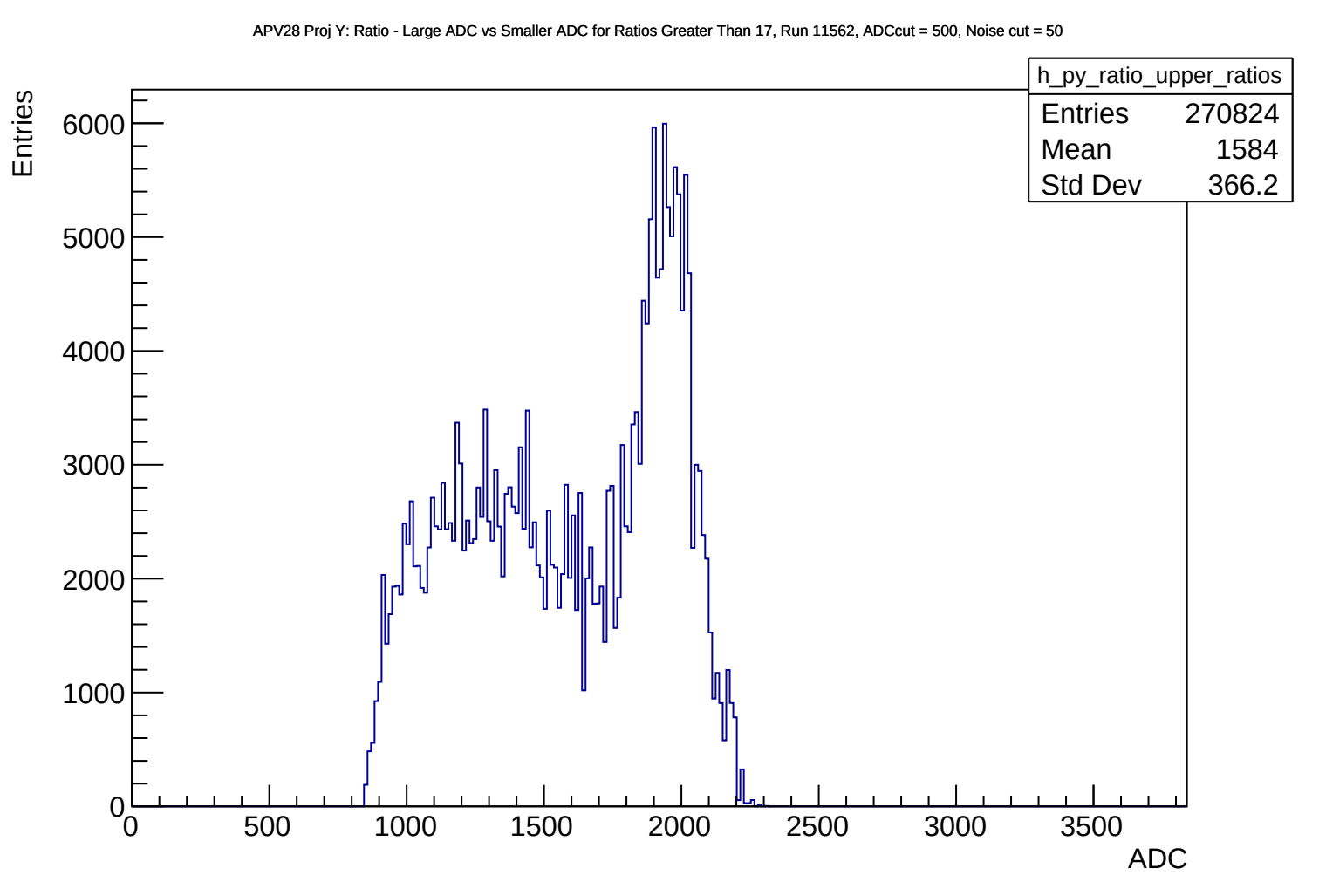

APV28 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 293064
Mean 930.4
Std Dev 428.1
Entries
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

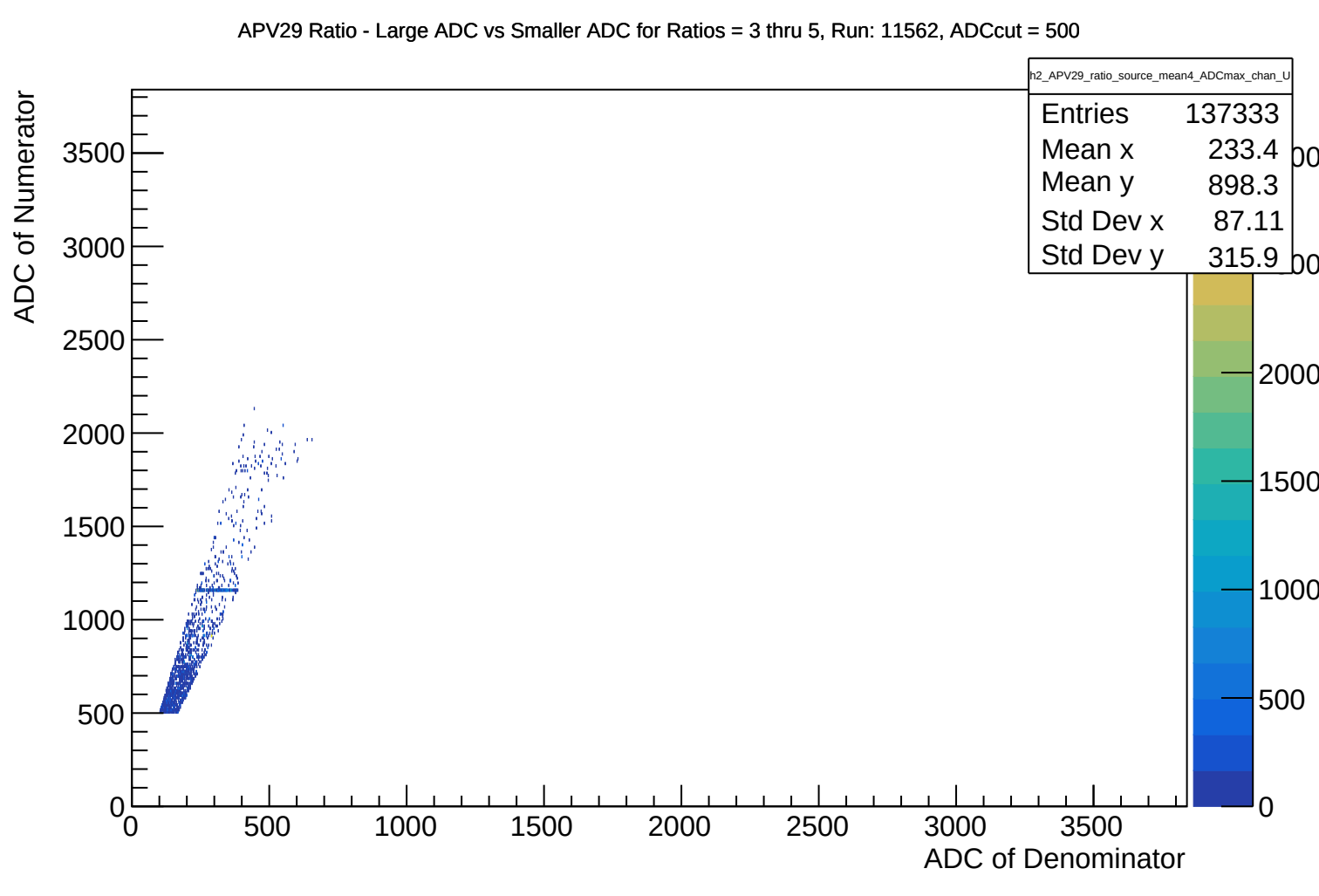

APV28 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 604272
Mean 105.6
Std Dev 50.97
Entries)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

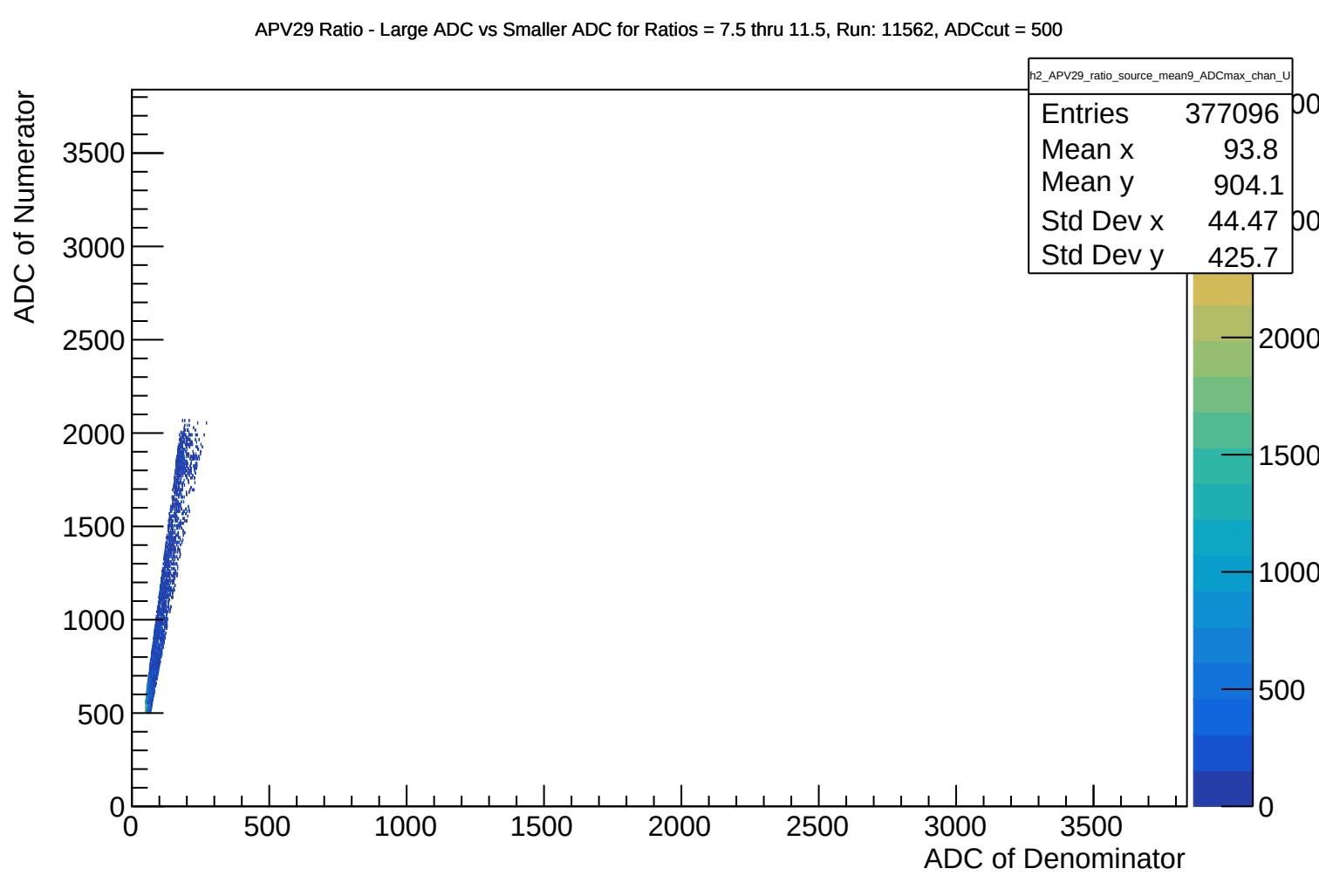

APV28 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 604272
Mean 997.3
Std Dev 476.8
Entries)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC

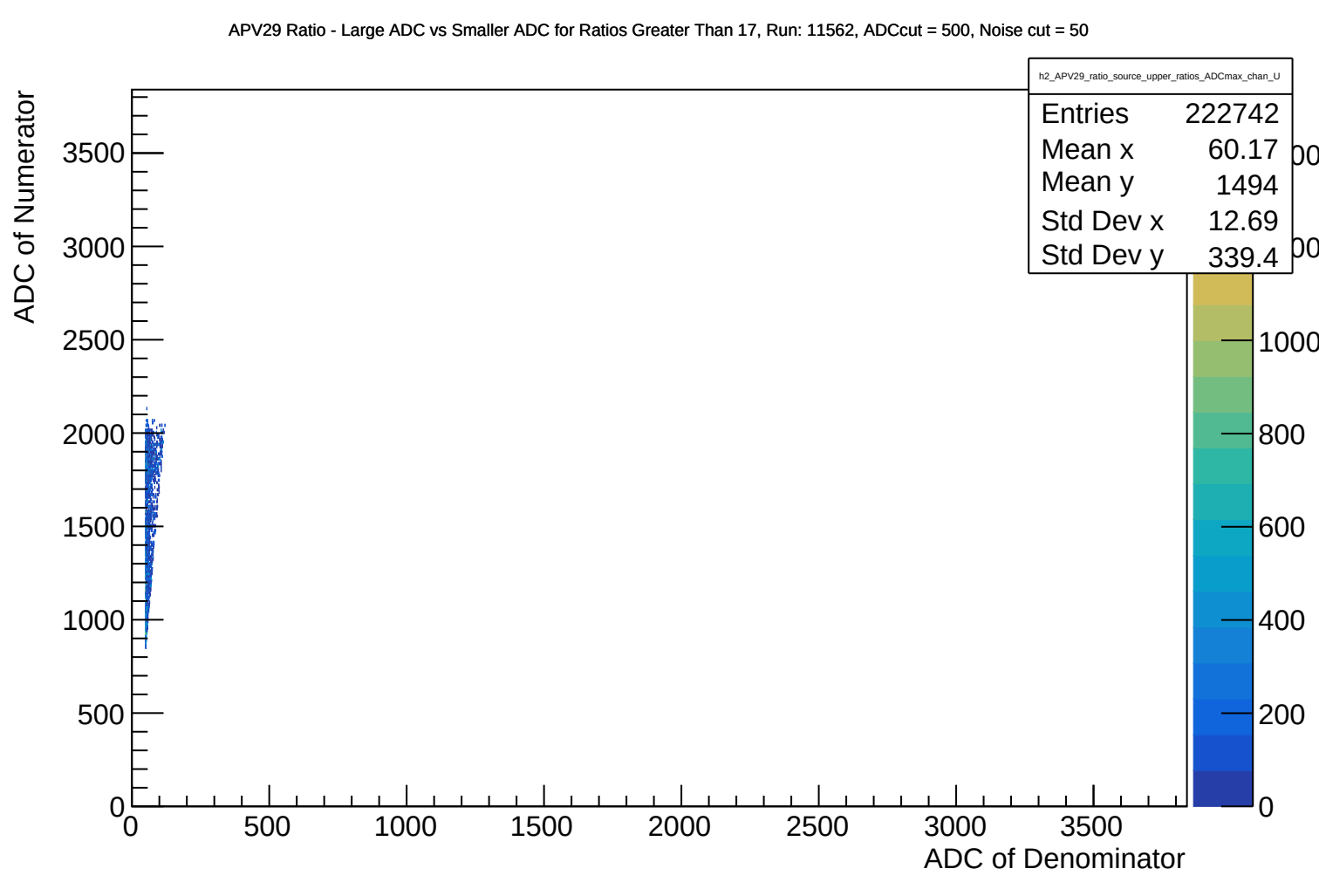
APV28 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50

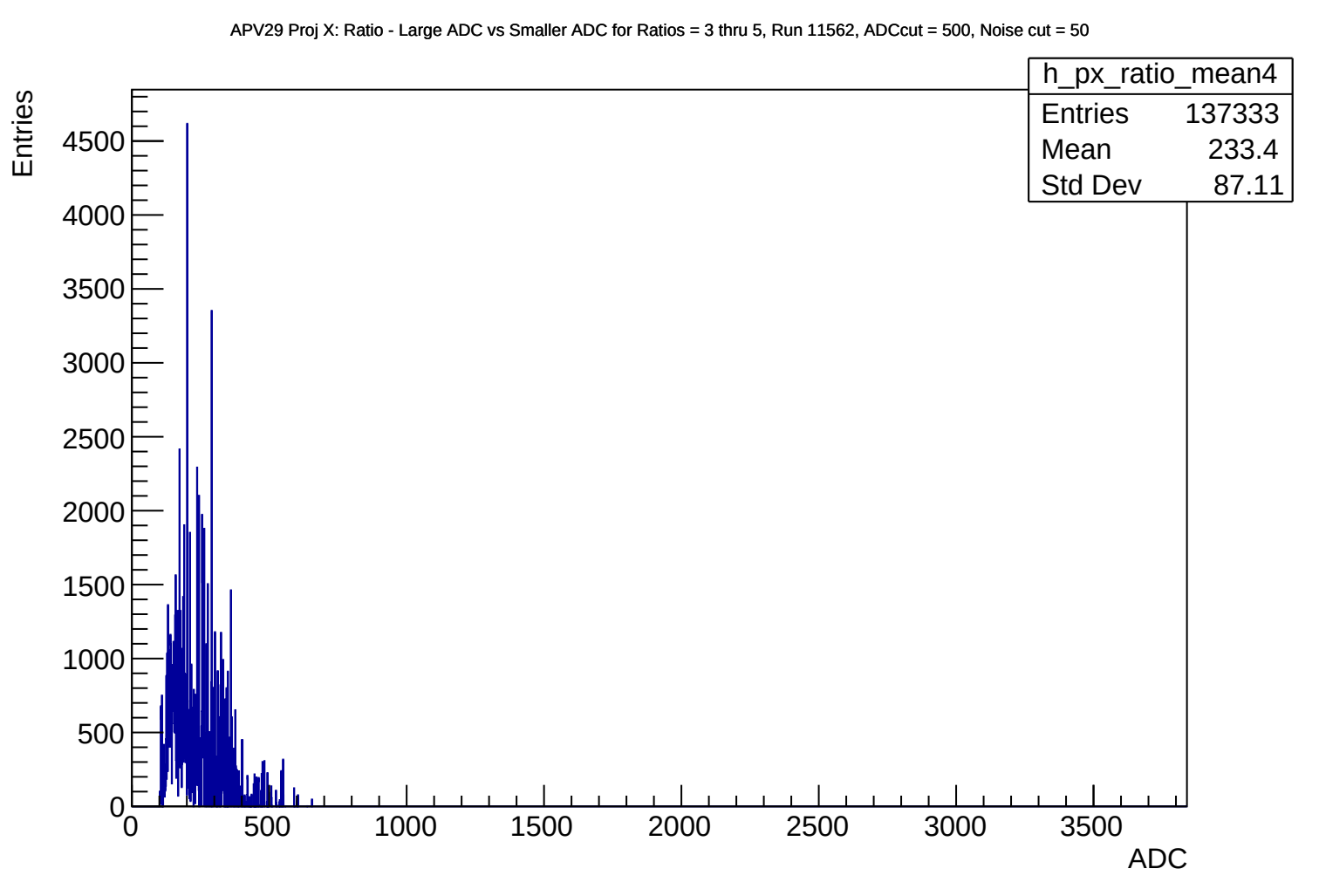


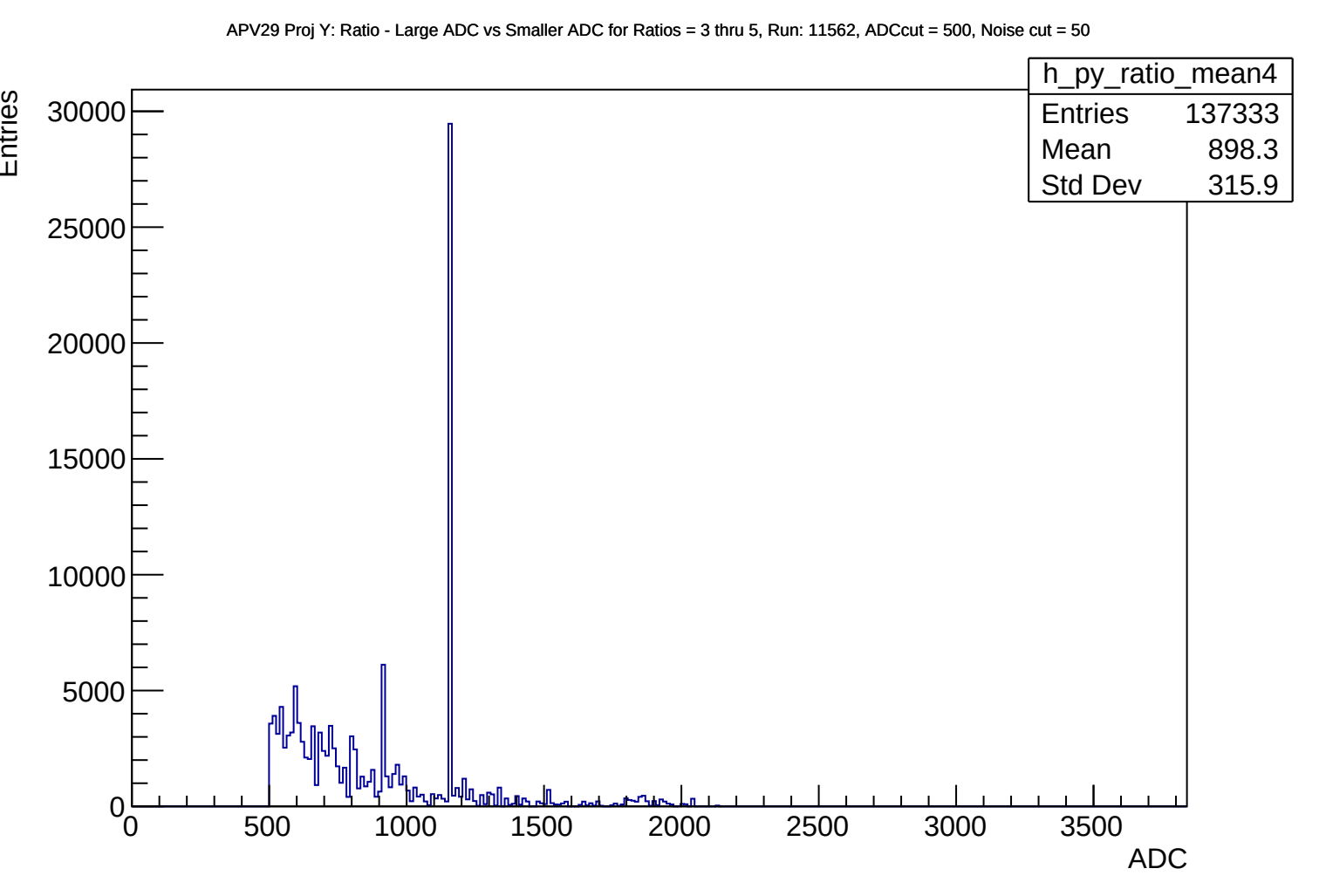

APV28 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 270824
Mean 1584
Std Dev 366.2
Entries
ADC
0
1000
2000
3000
4000
5000
6000
500
1500
2500
3500

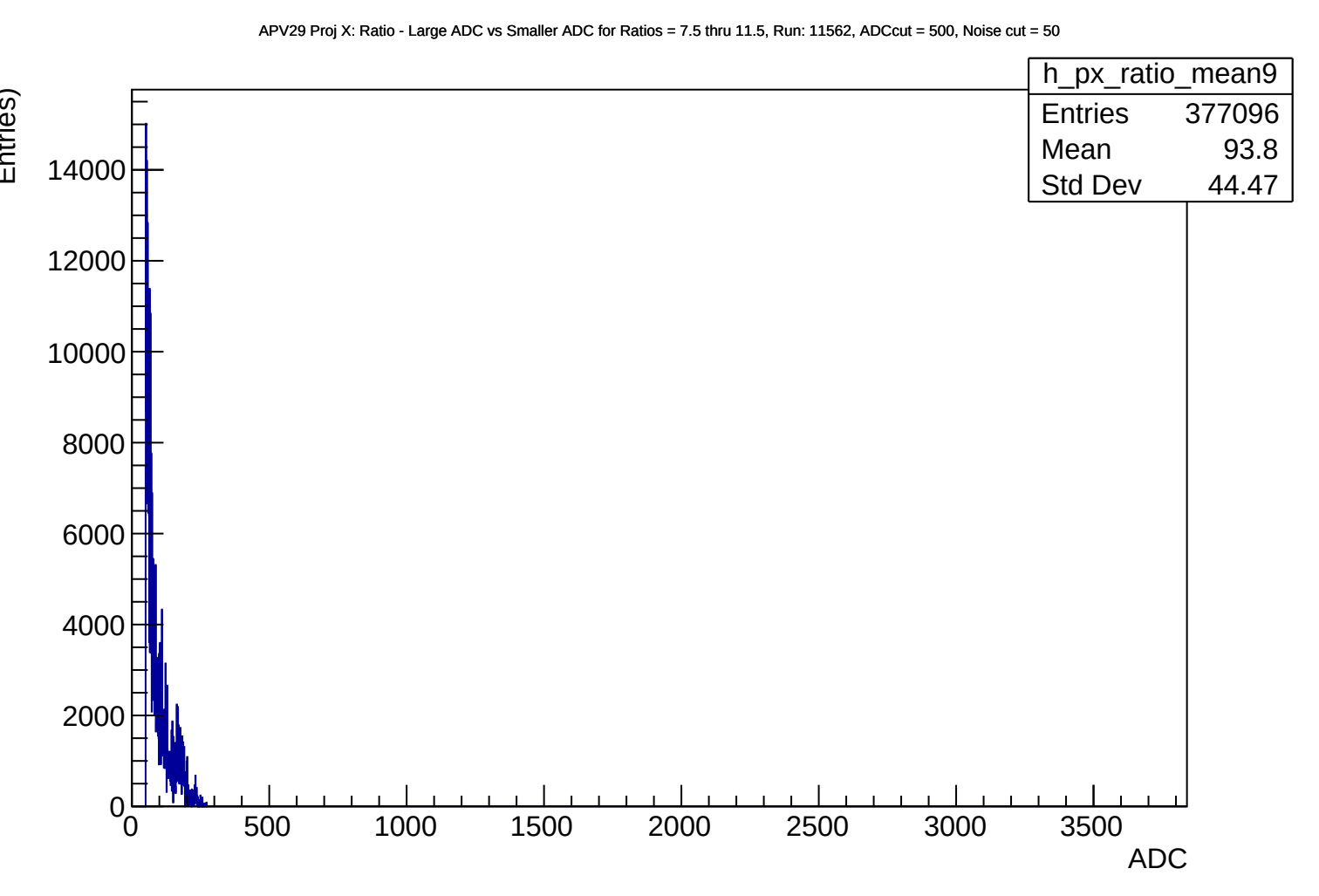

APV29 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500
h2_APV29_ratio_source_mean4_ADCmax_chan_U
Entries 137333
Mean x 233.4
Mean y 898.3
Std Dev x 87.11
Std Dev y 315.9
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500

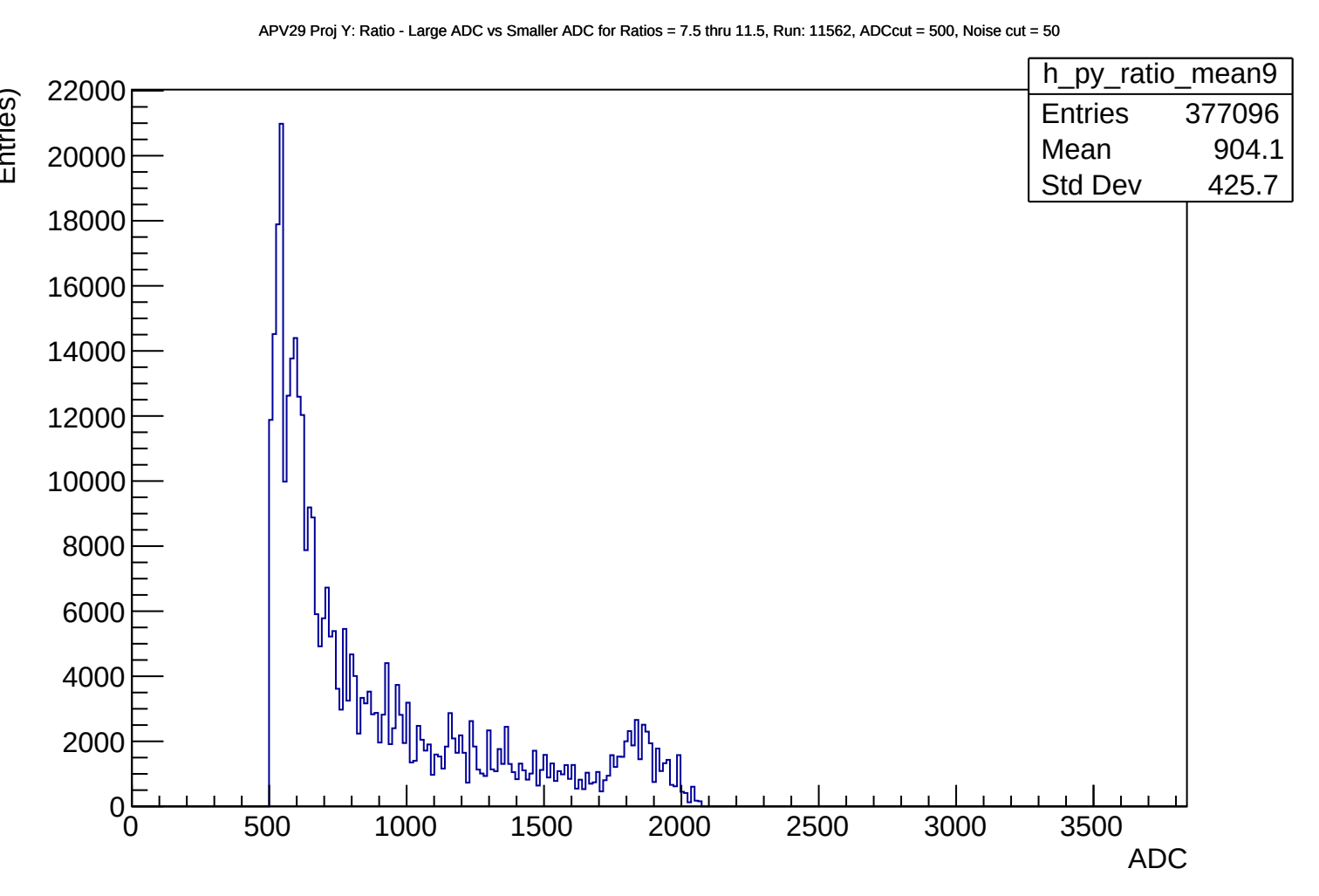

APV29 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500
h2_APV29_ratio_source_mean9_ADCmax_chan_U
Entries 377096
Mean x 93.8
Mean y 904.1
Std Dev x 44.47
Std Dev y 425.7
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500

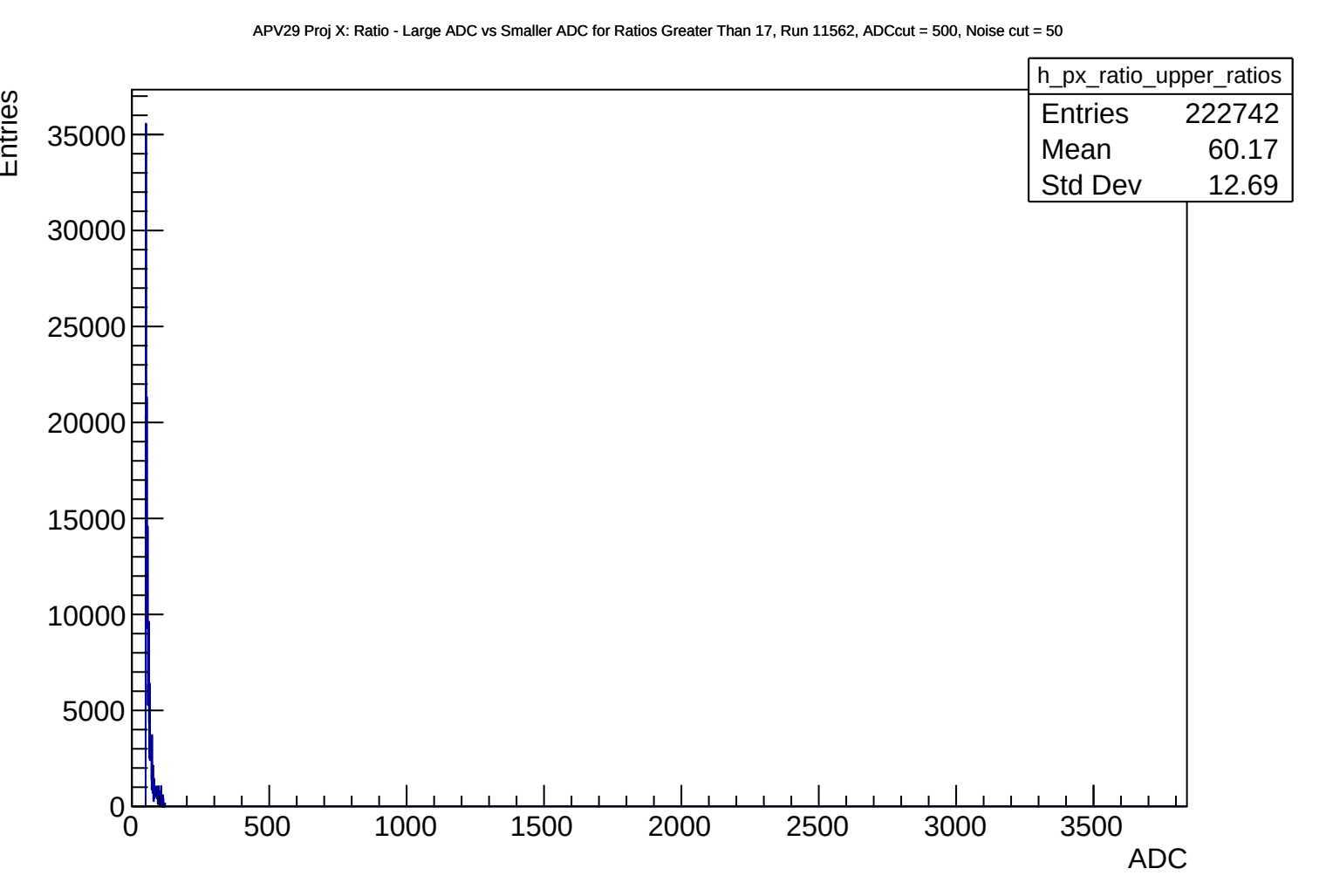

APV29 Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run: 11562, ADCcut = 500, Noise cut = 50
h2_APV29_ratio_source_upper_ratios_ADCmax_chan_U
Entries 222742
Mean x 60.17
Mean y 1494
Std Dev x 12.69
Std Dev y 339.4
ADC of Numerator
ADC of Denominator
0
500
1000
1500
2000
2500
3000
3500
200
400
600
800

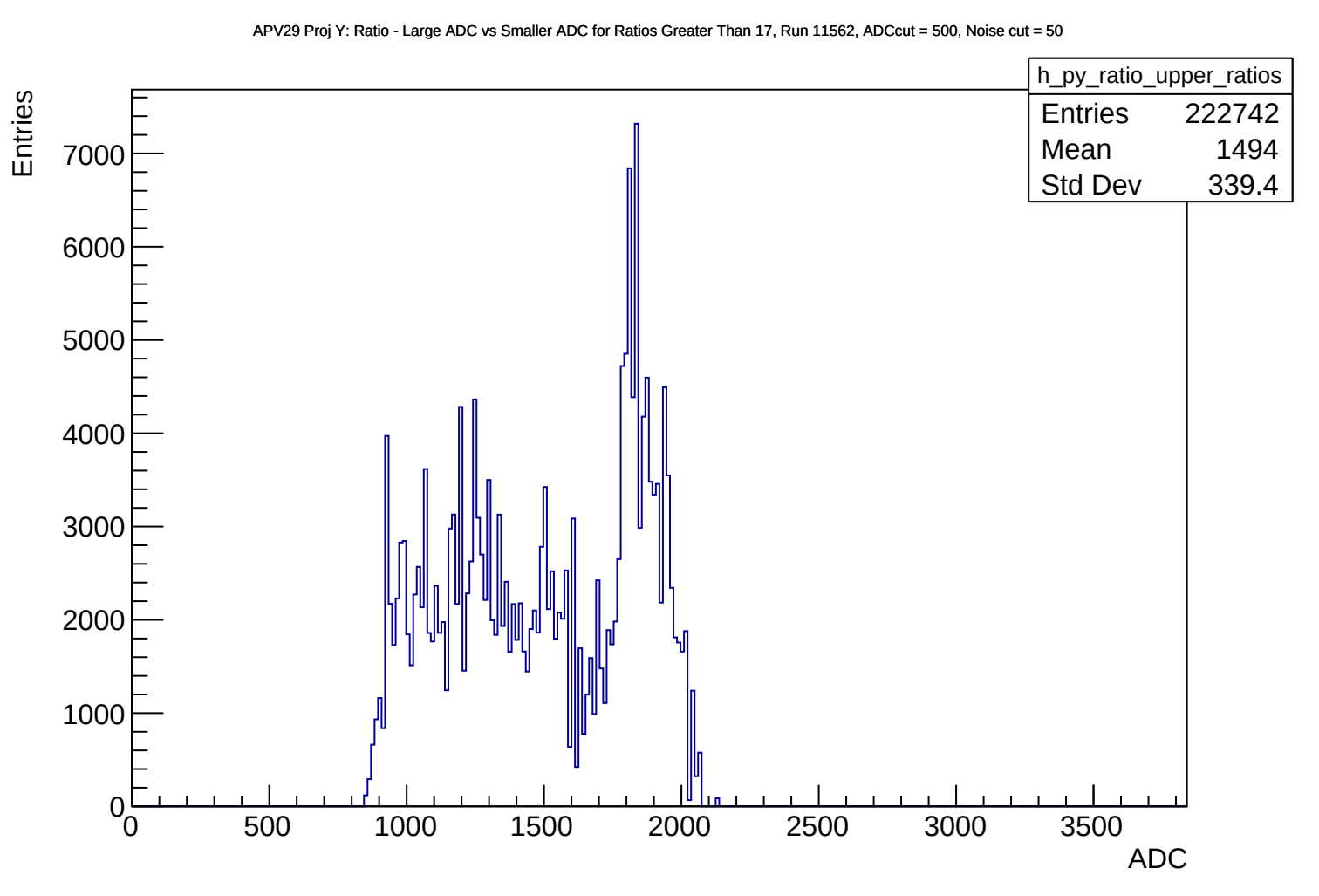

APV29 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean4
Entries 137333
Mean 233.4
Std Dev 87.11
Entries
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV29 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean4
Entries 137333
Mean 898.3
Std Dev 315.9
Entries
30000
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV29 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_mean9
Entries 377096
Mean 93.8
Std Dev 44.47
Entries)
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV29 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_mean9
Entries 377096
Mean 904.1
Std Dev 425.7
Entries)
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV29 Proj X: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_px_ratio_upper_ratios
Entries 222742
Mean 60.17
Std Dev 12.69
Entries
35000
30000
25000
20000
15000
10000
5000
0
0
500
1000
1500
2000
2500
3000
3500
ADC


APV29 Proj Y: Ratio - Large ADC vs Smaller ADC for Ratios Greater Than 17, Run 11562, ADCcut = 500, Noise cut = 50
h_py_ratio_upper_ratios
Entries 222742
Mean 1494
Std Dev 339.4
Entries
0
1000
2000
3000
4000
5000
6000
7000
0
500
1000
1500
2000
2500
3000
3500
ADC