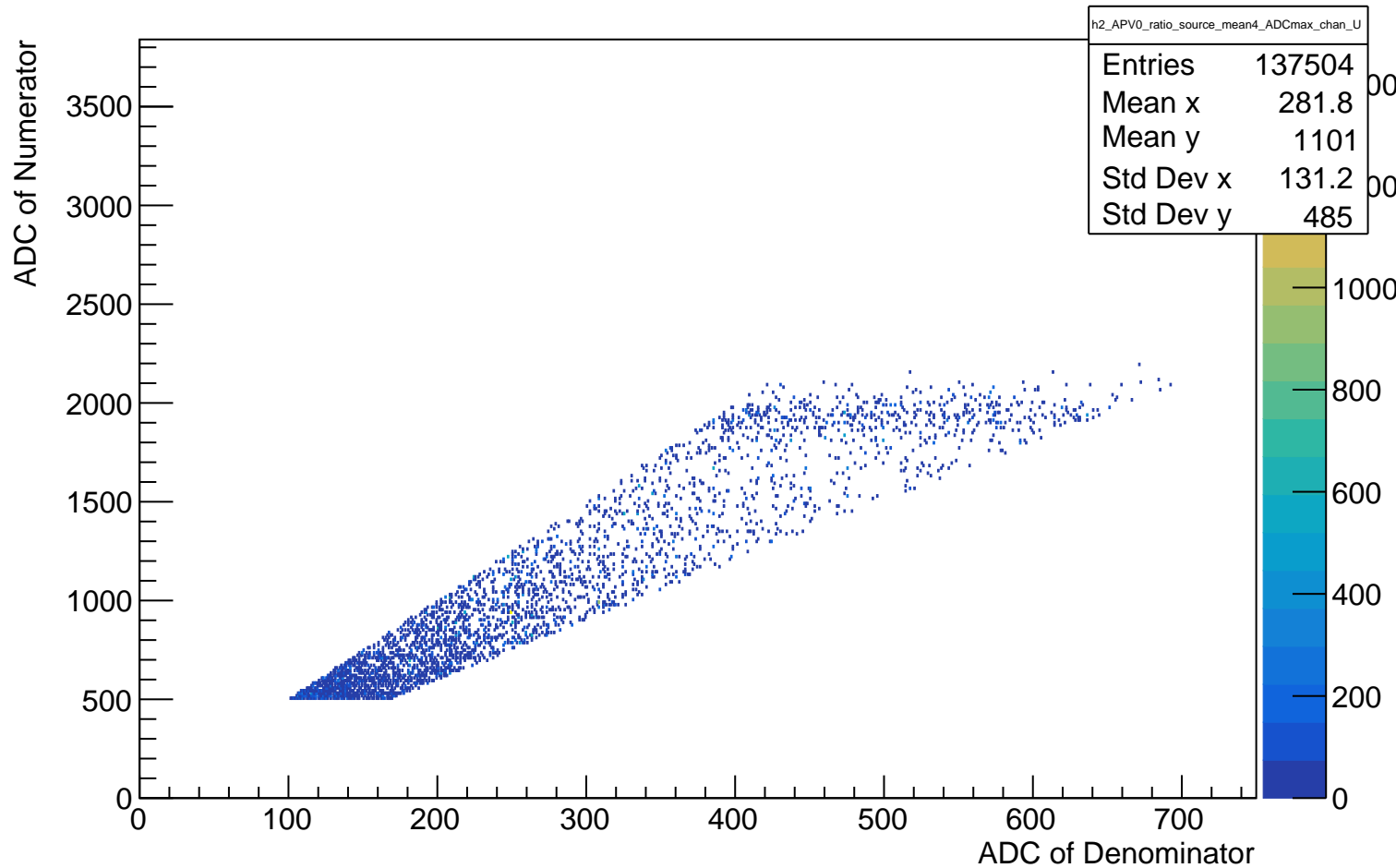
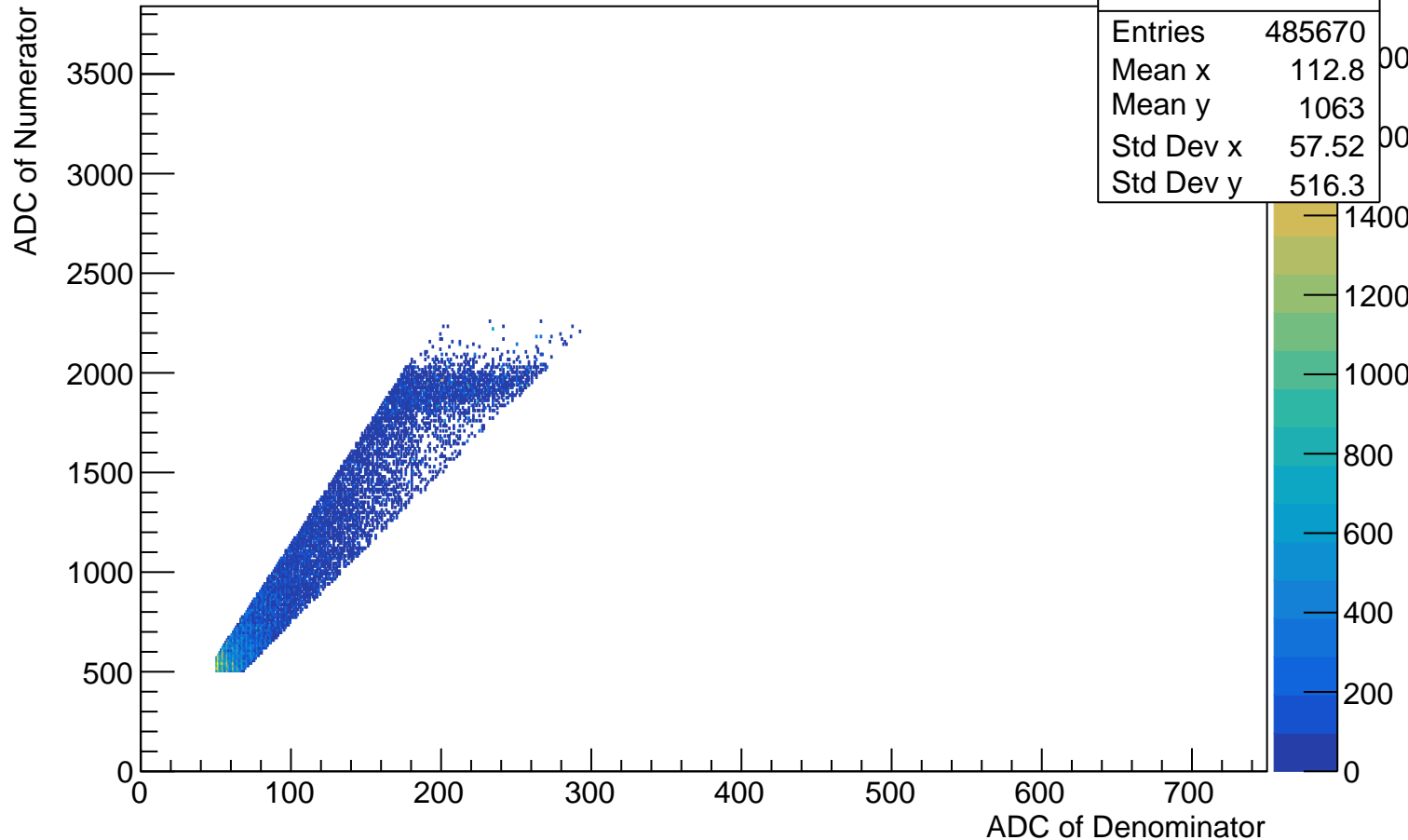


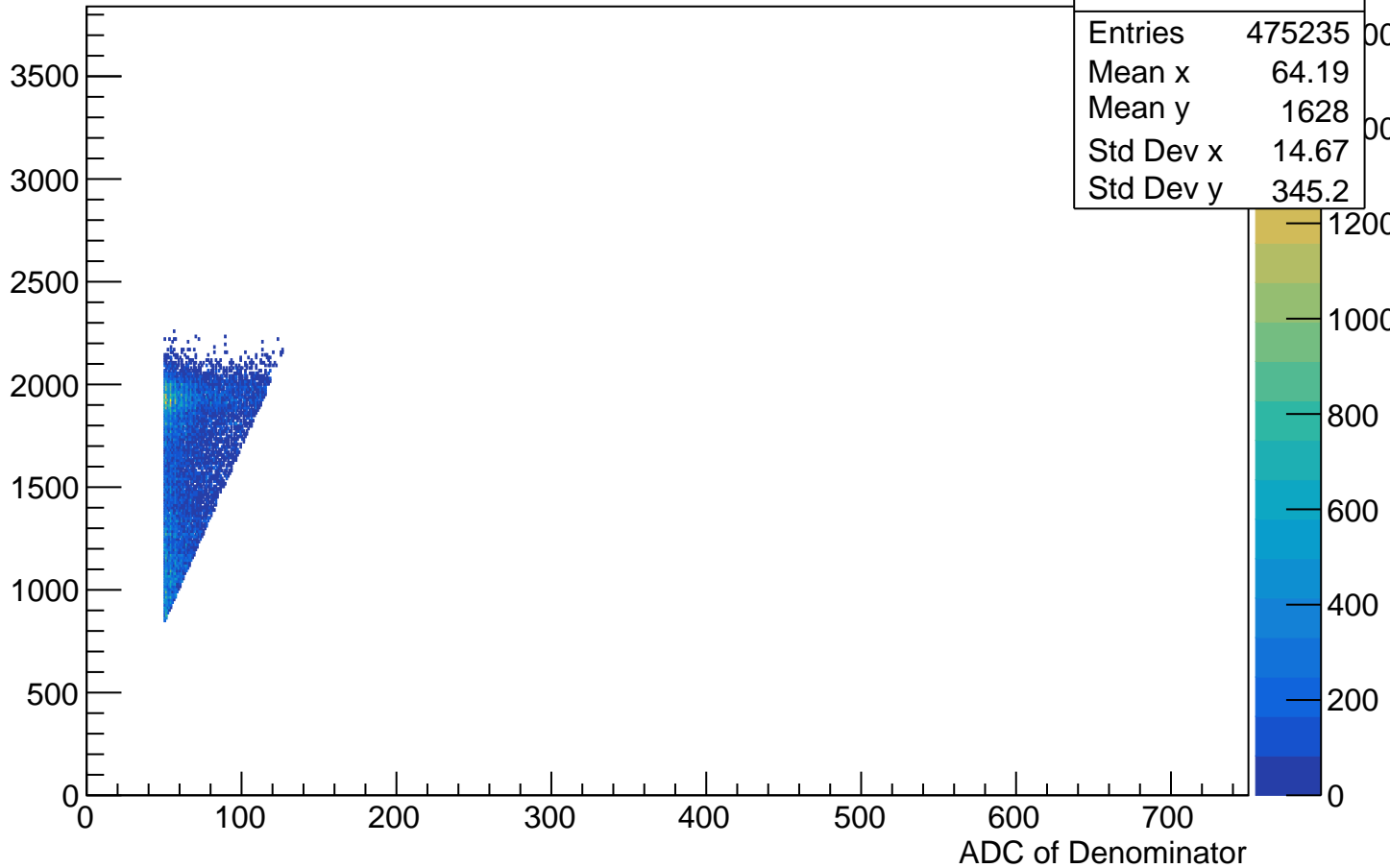
APV0 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

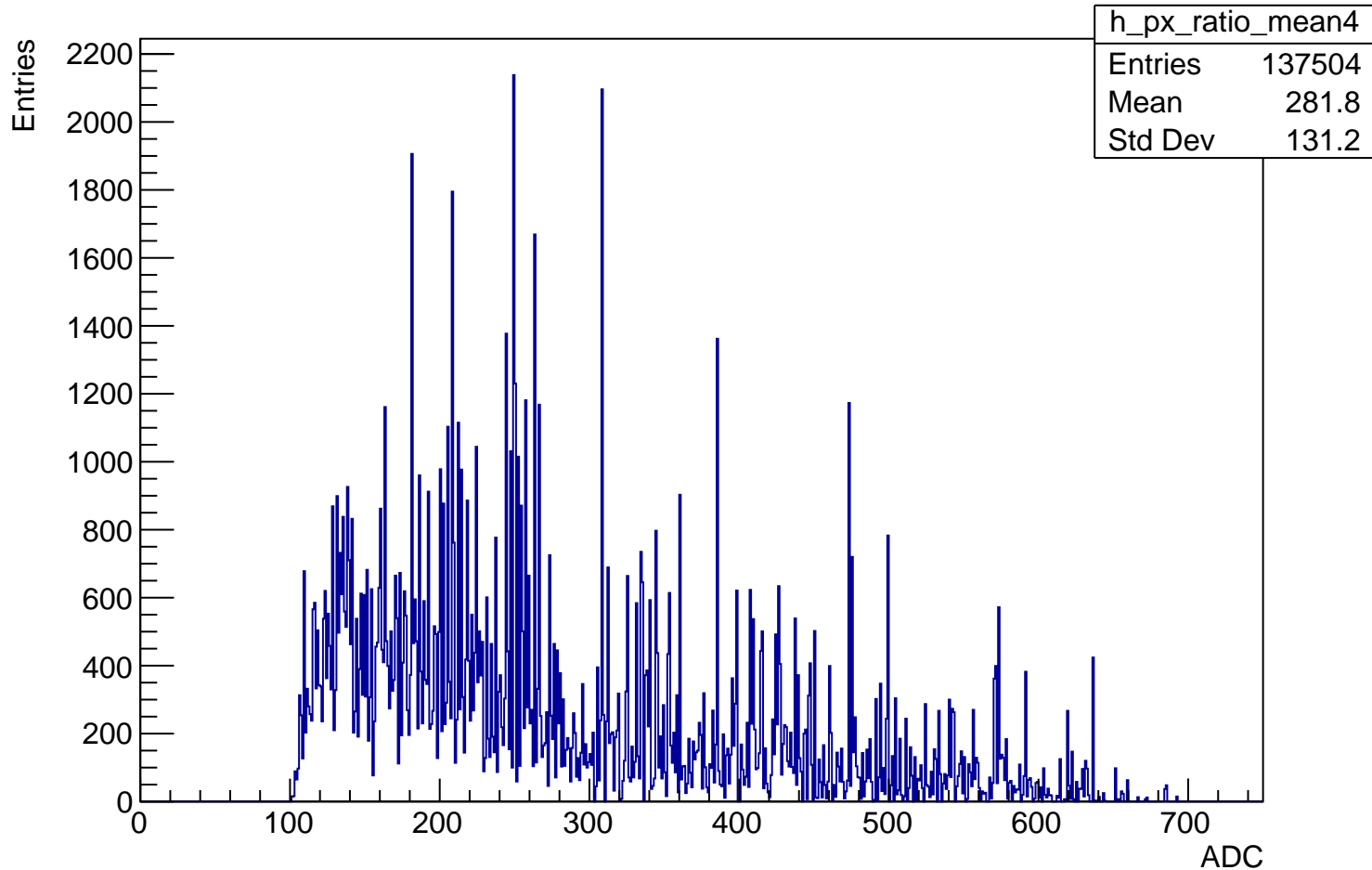


APV0 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

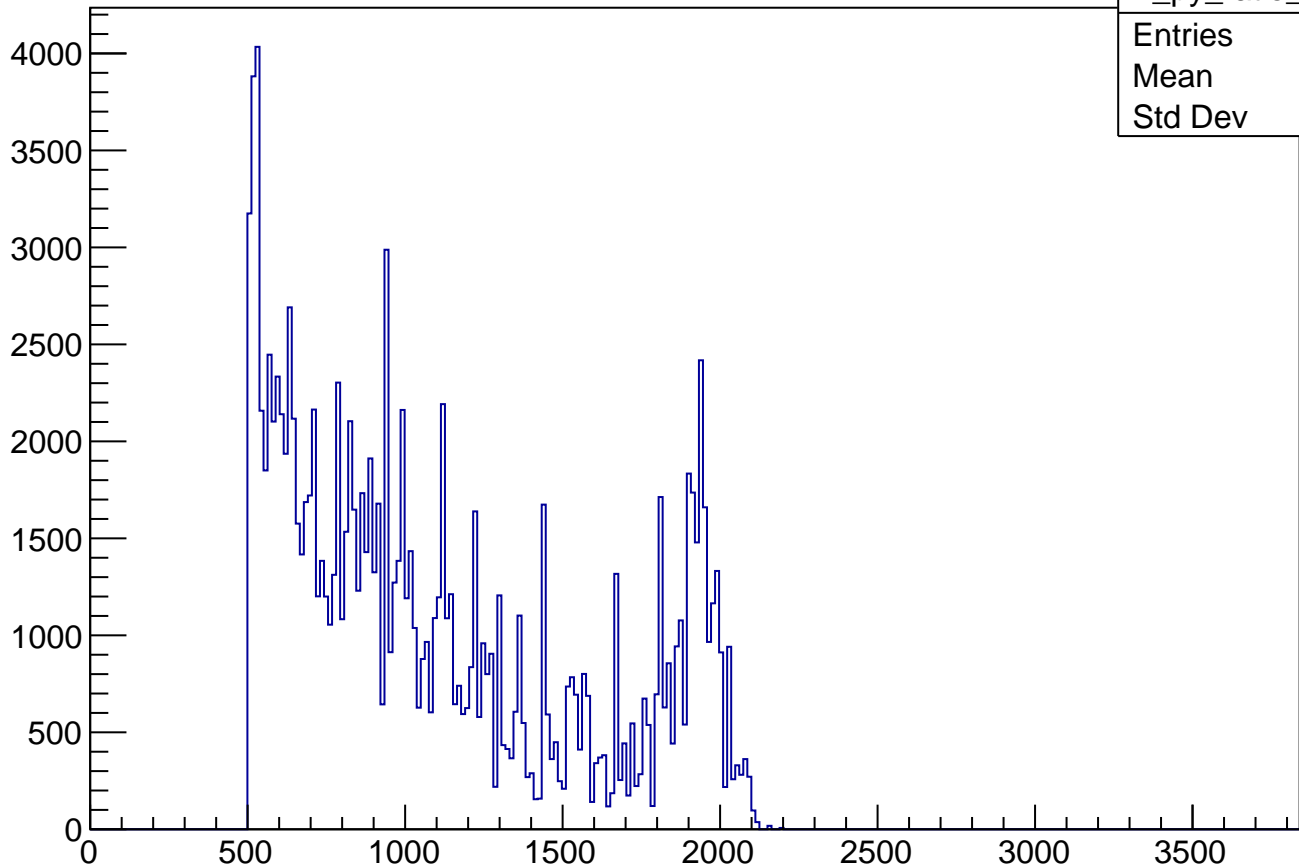


ADC of Numerator





Entries



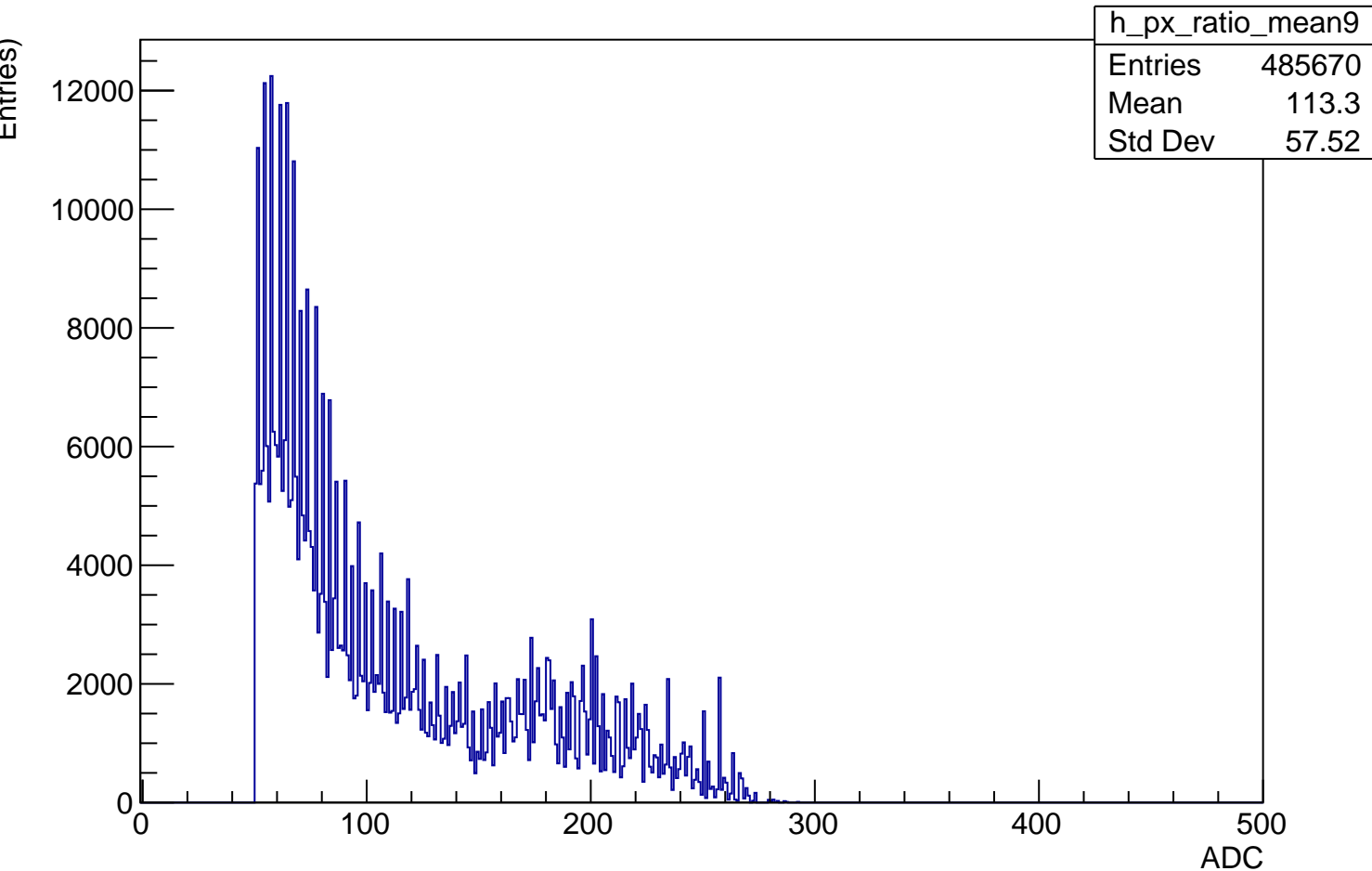
h_py_ratio_mean4

Entries 137504

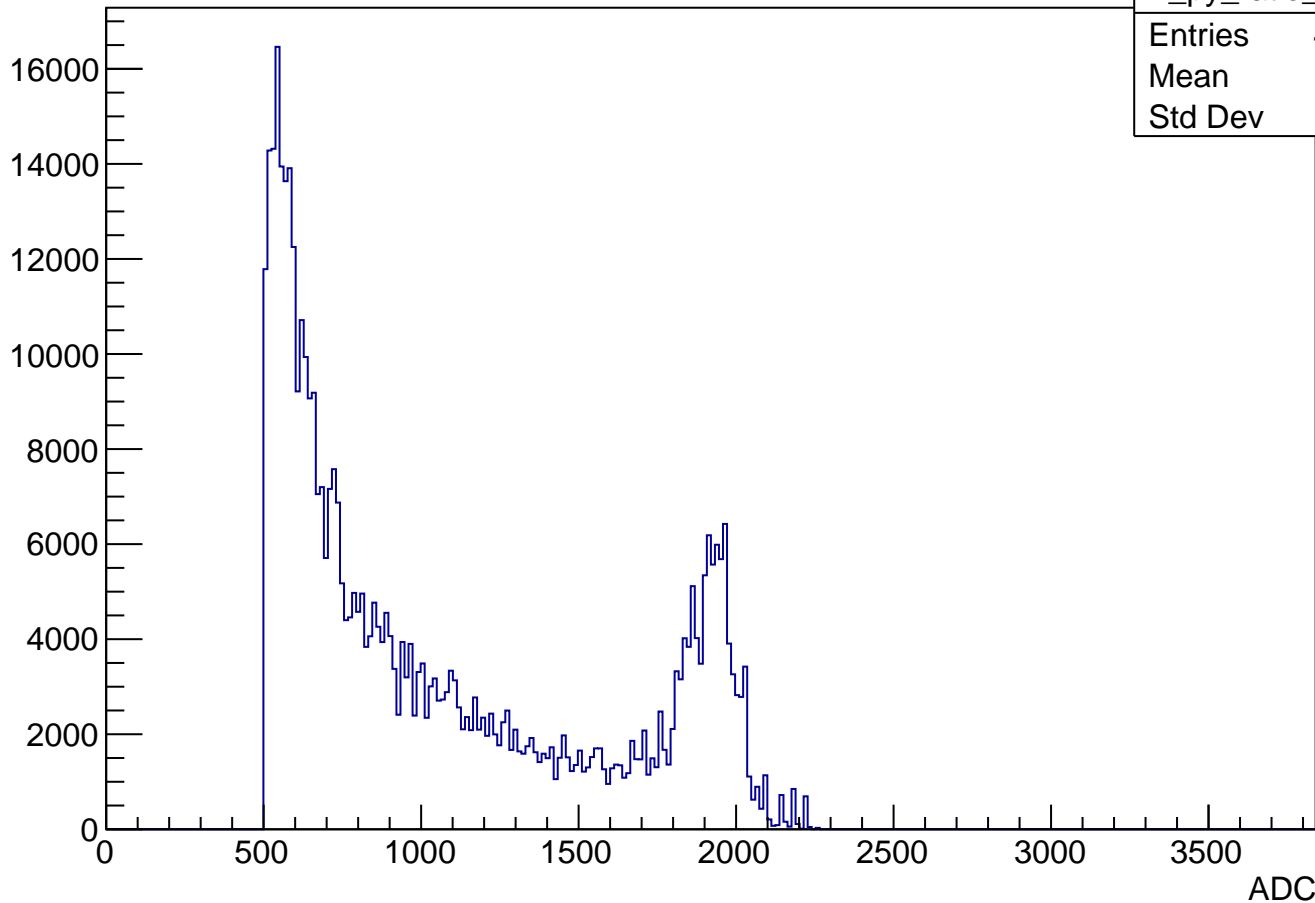
Mean 1101

Std Dev 485

ADC



Entries)

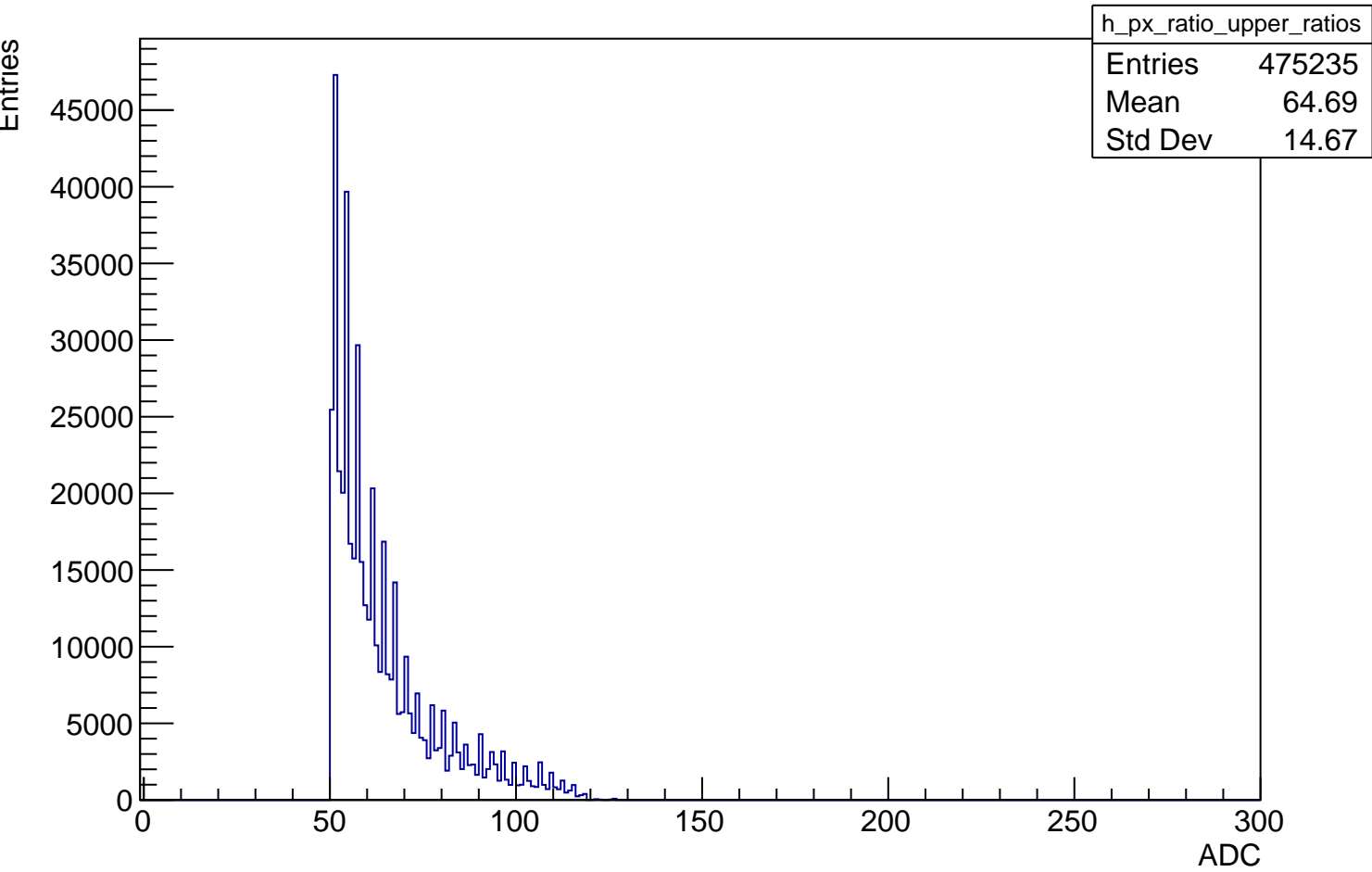


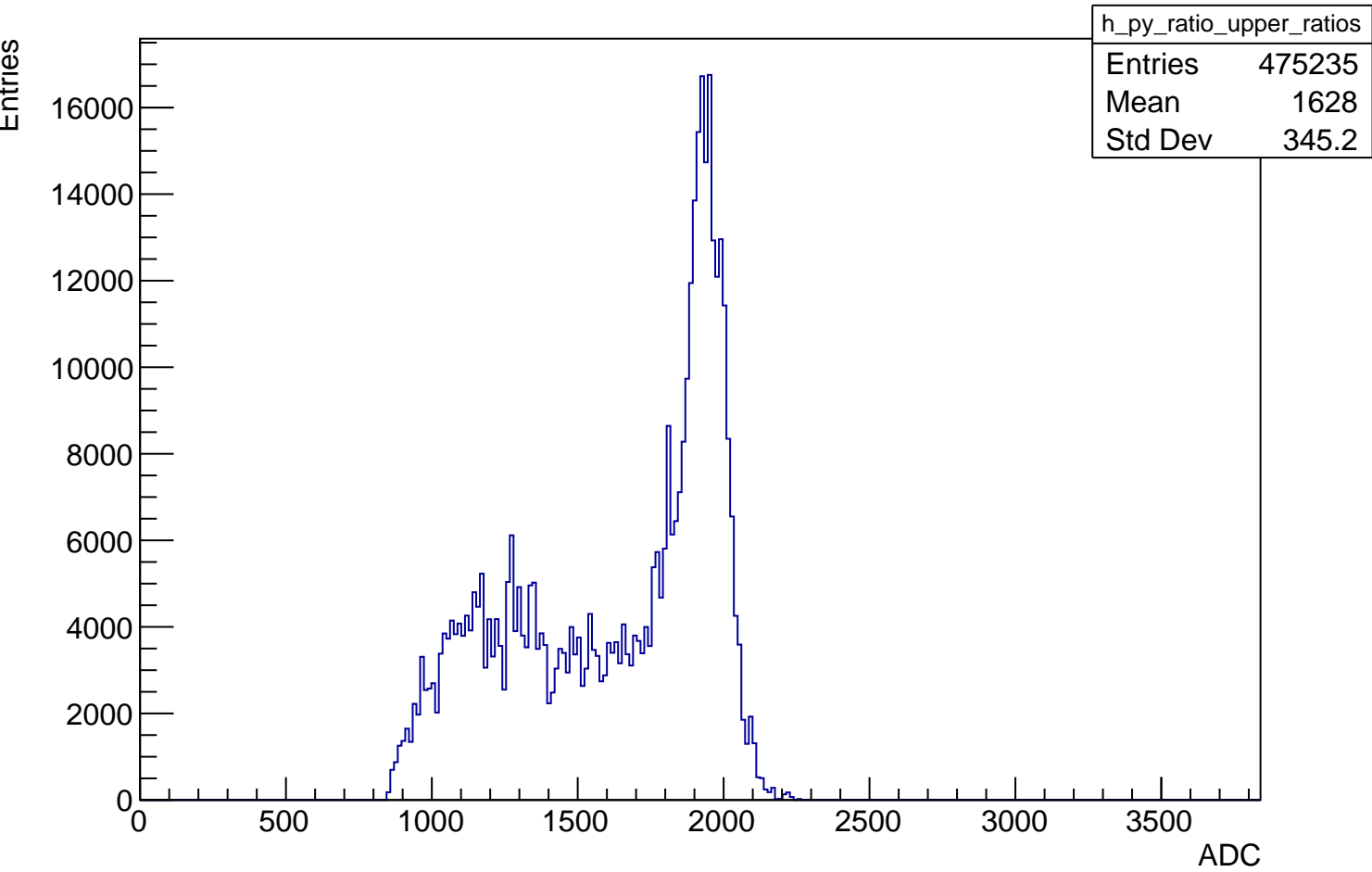
h_py_ratio_mean9

Entries 485670

Mean 1063

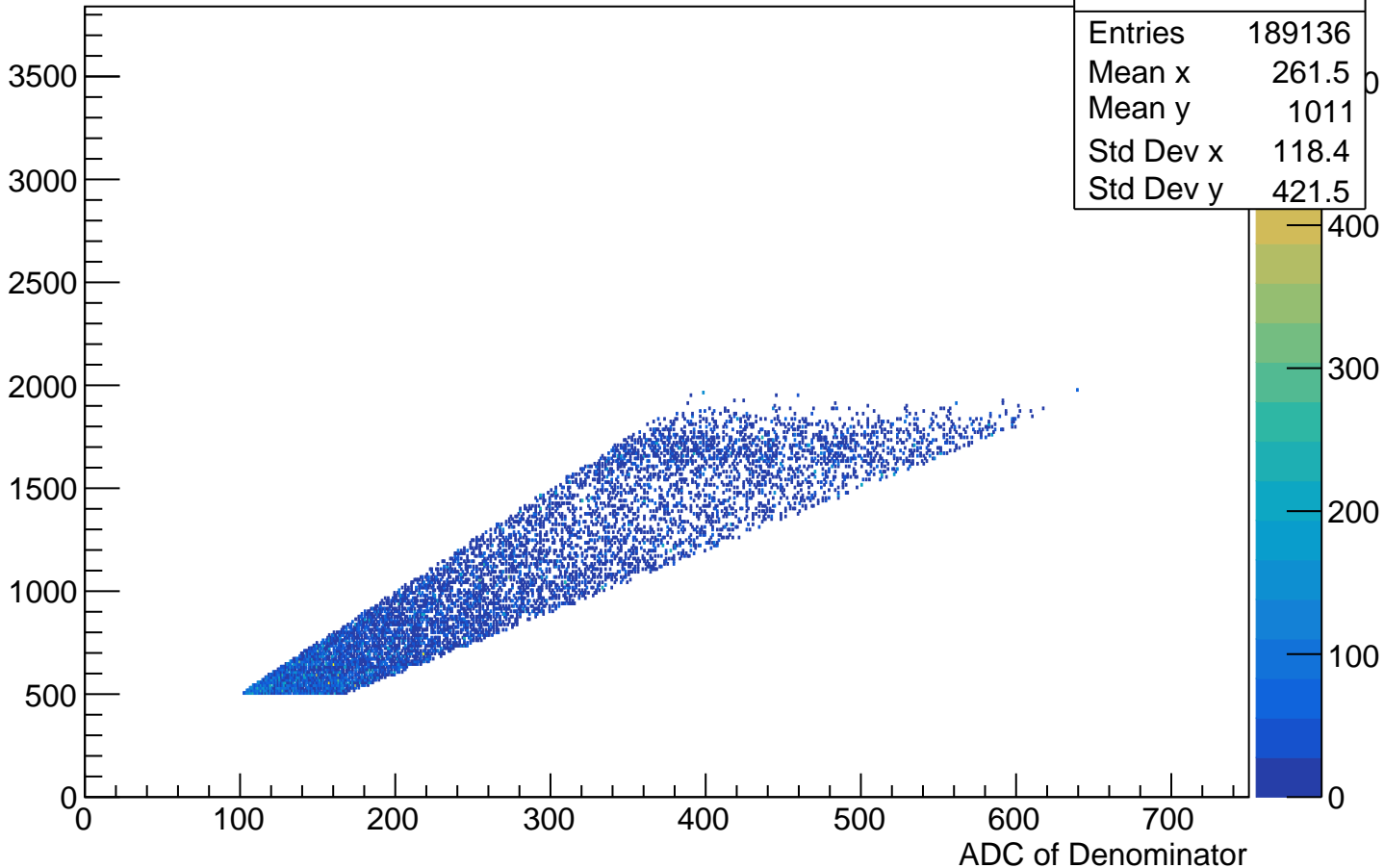
Std Dev 516.3





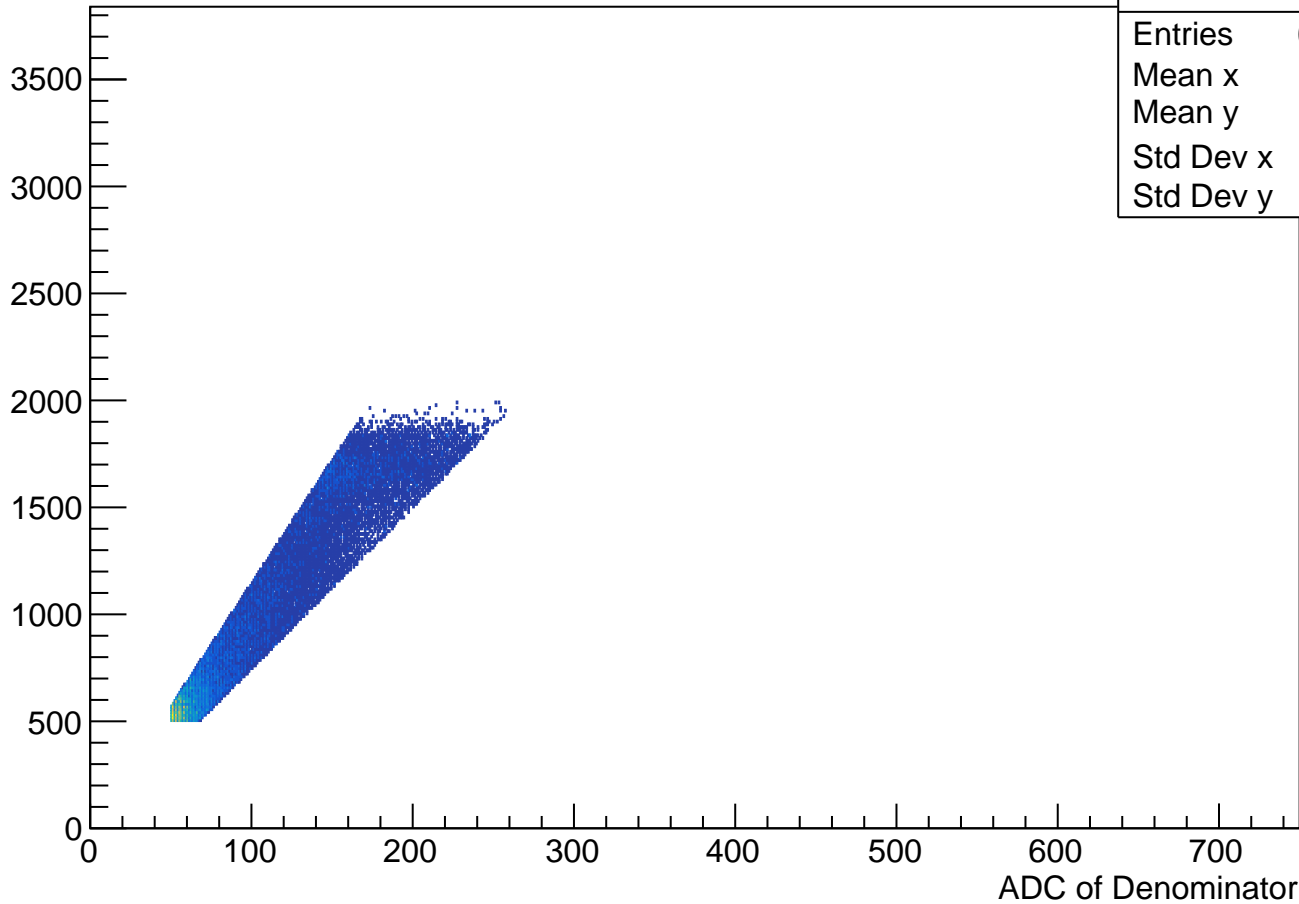
APV1 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

ADC of Numerator



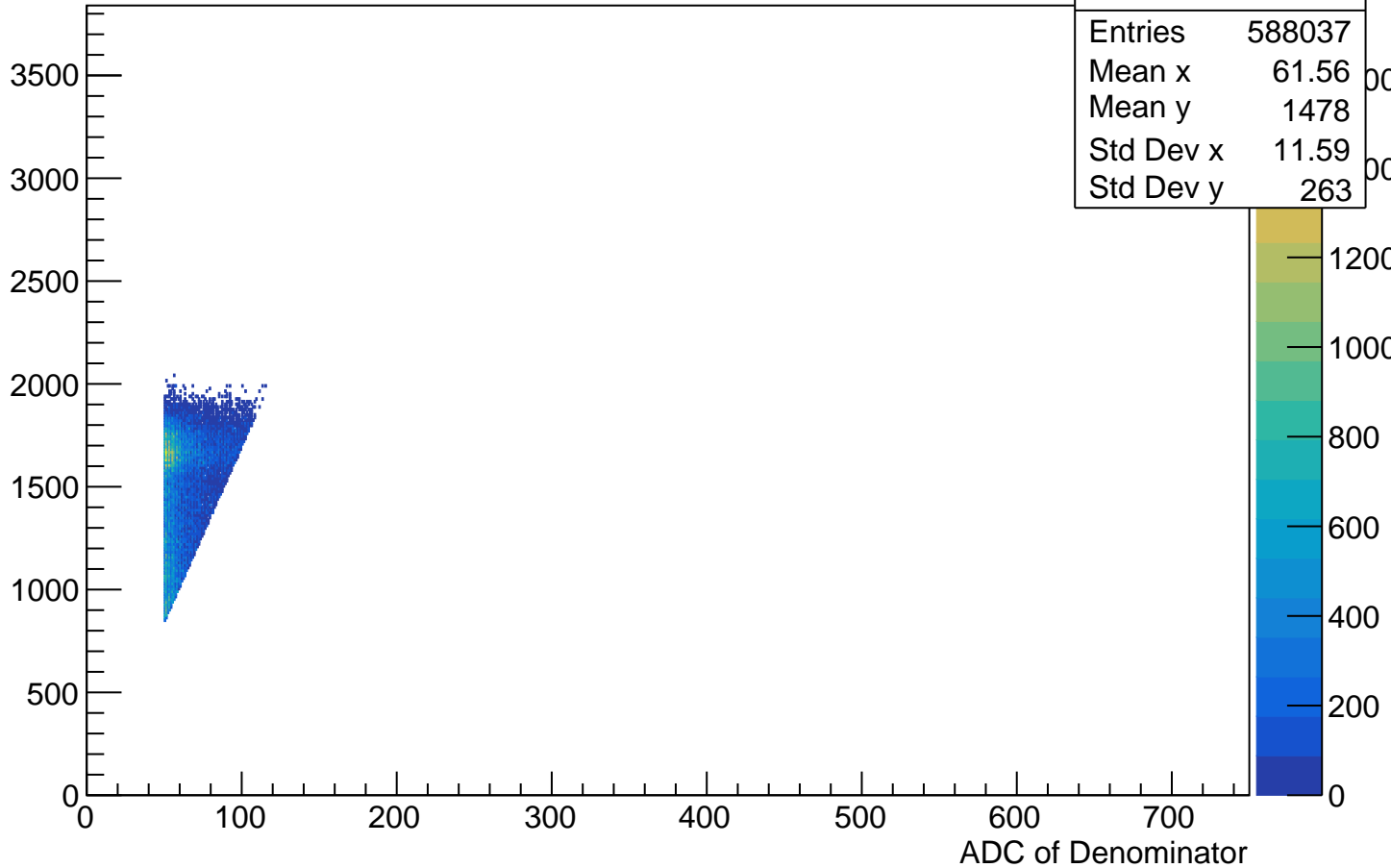
APV1 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

ADC of Numerator

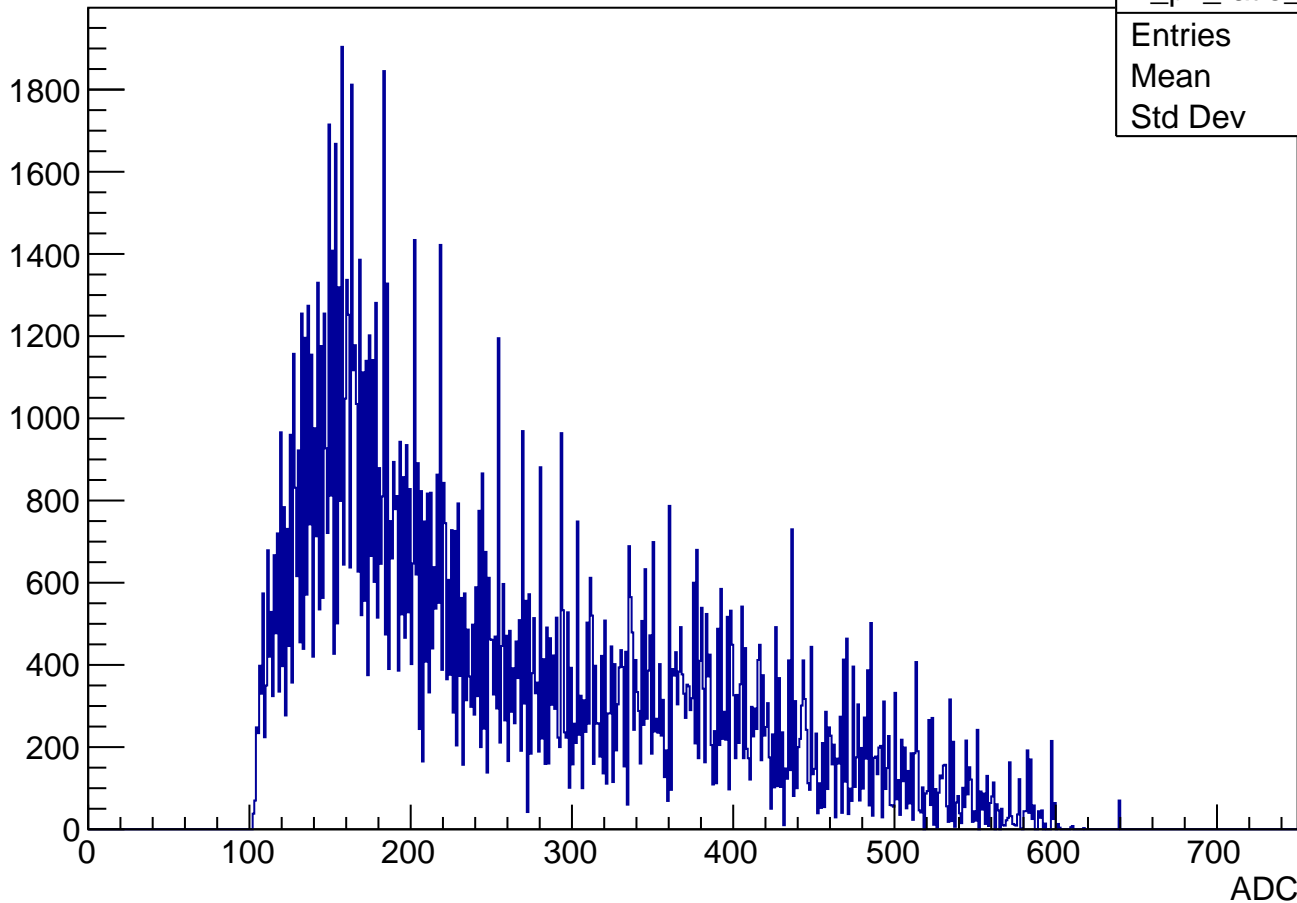


ADC of Denominator

ADC of Numerator

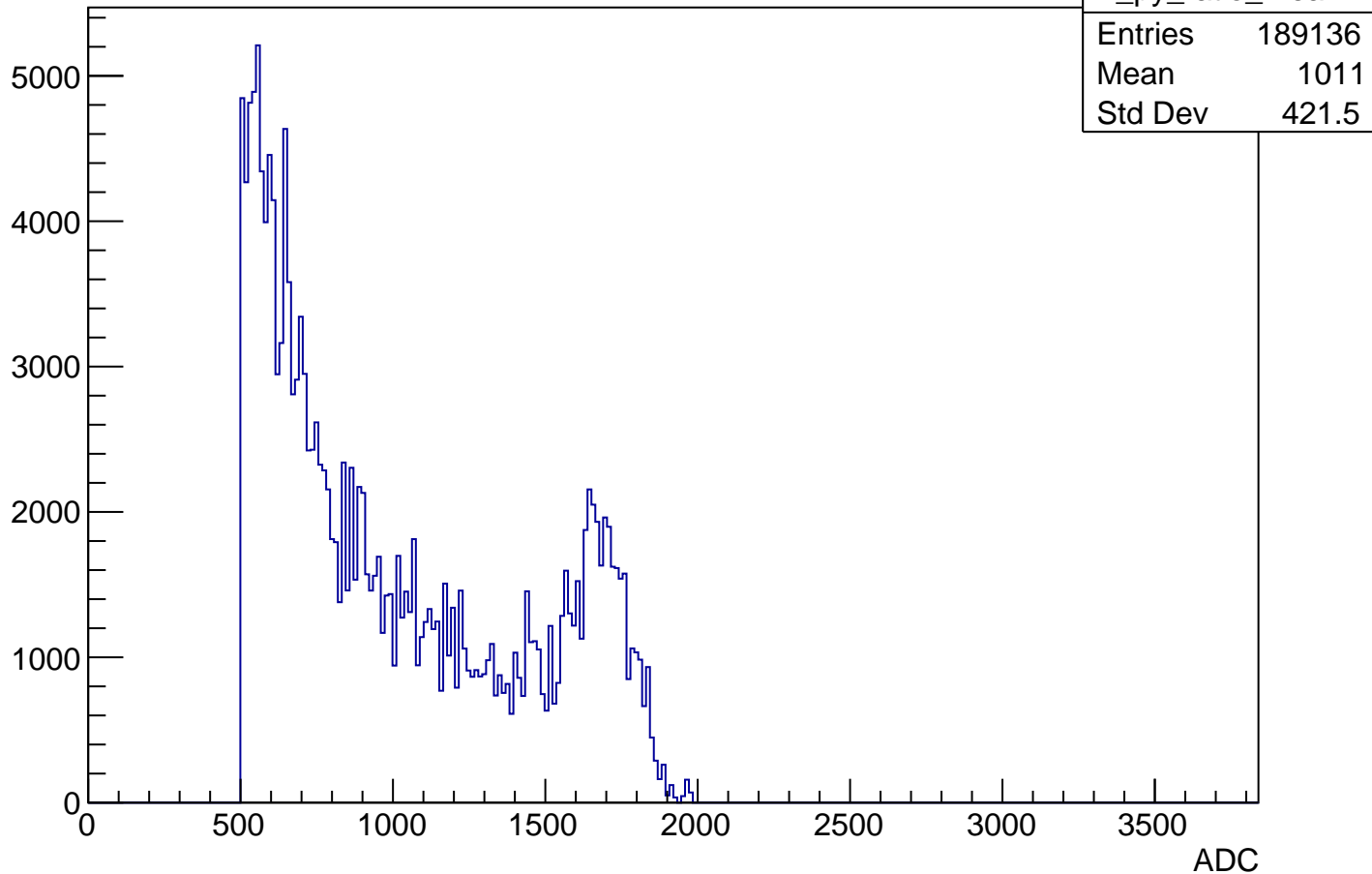


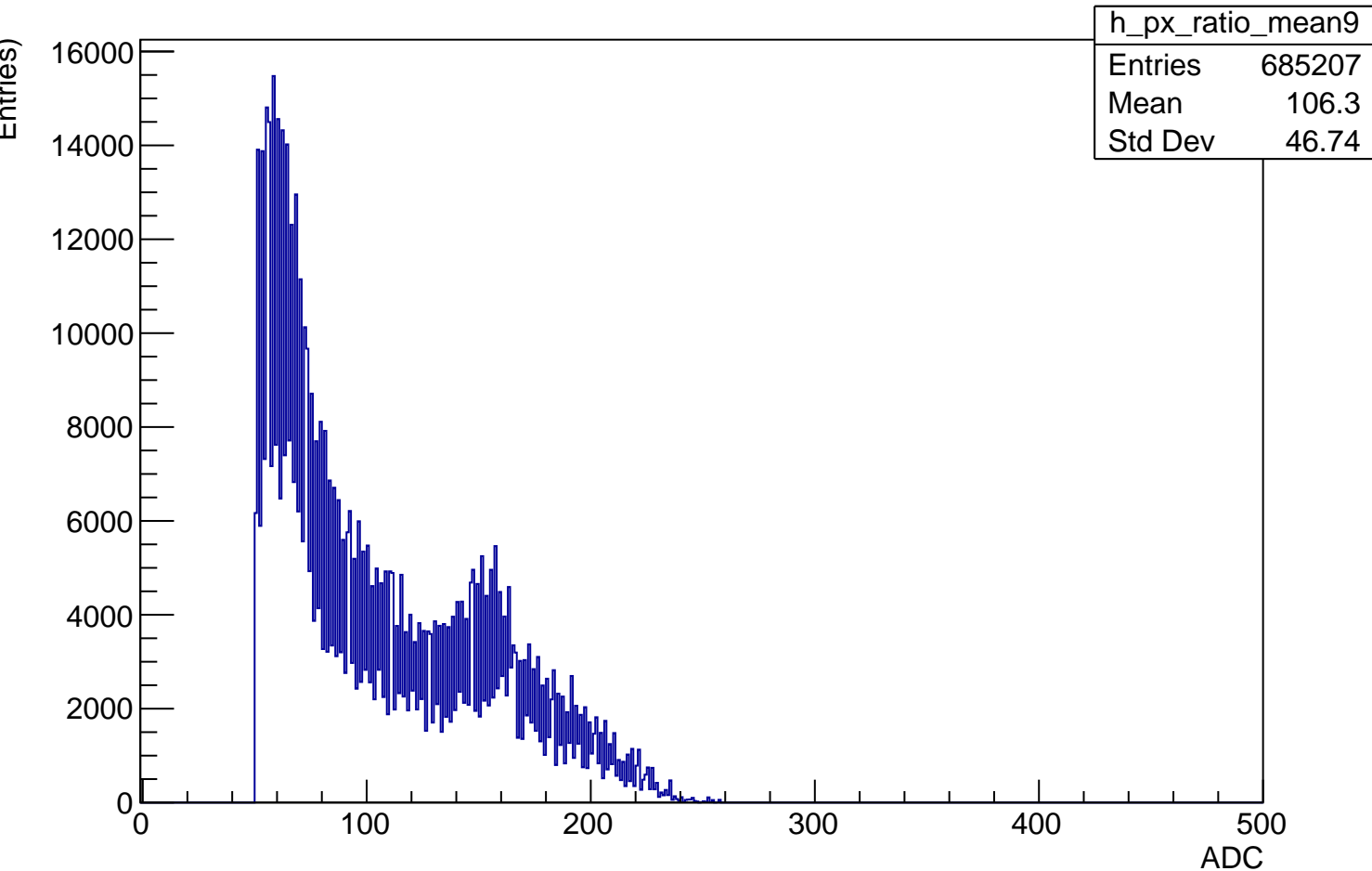
Entries

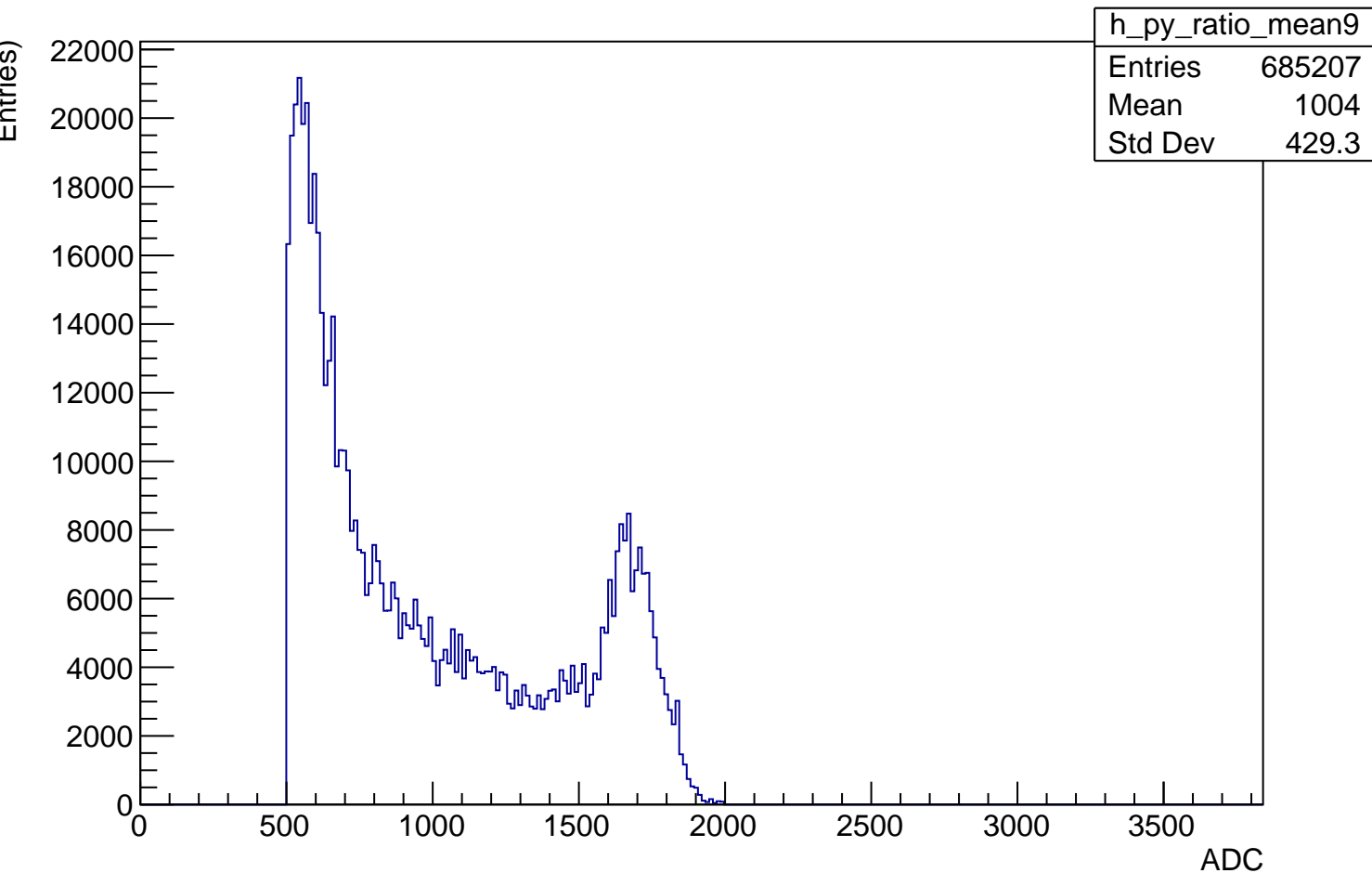


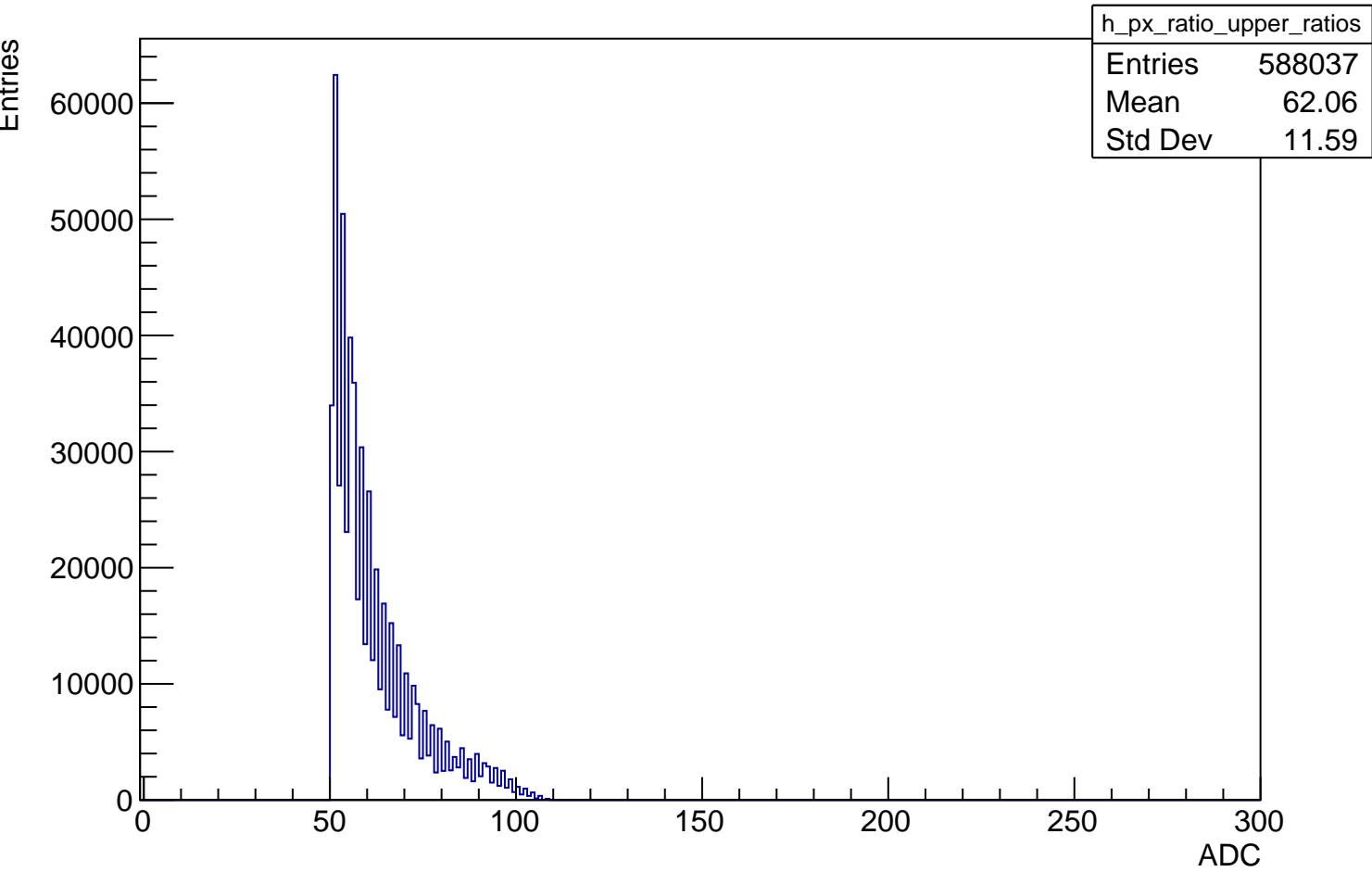
ADC

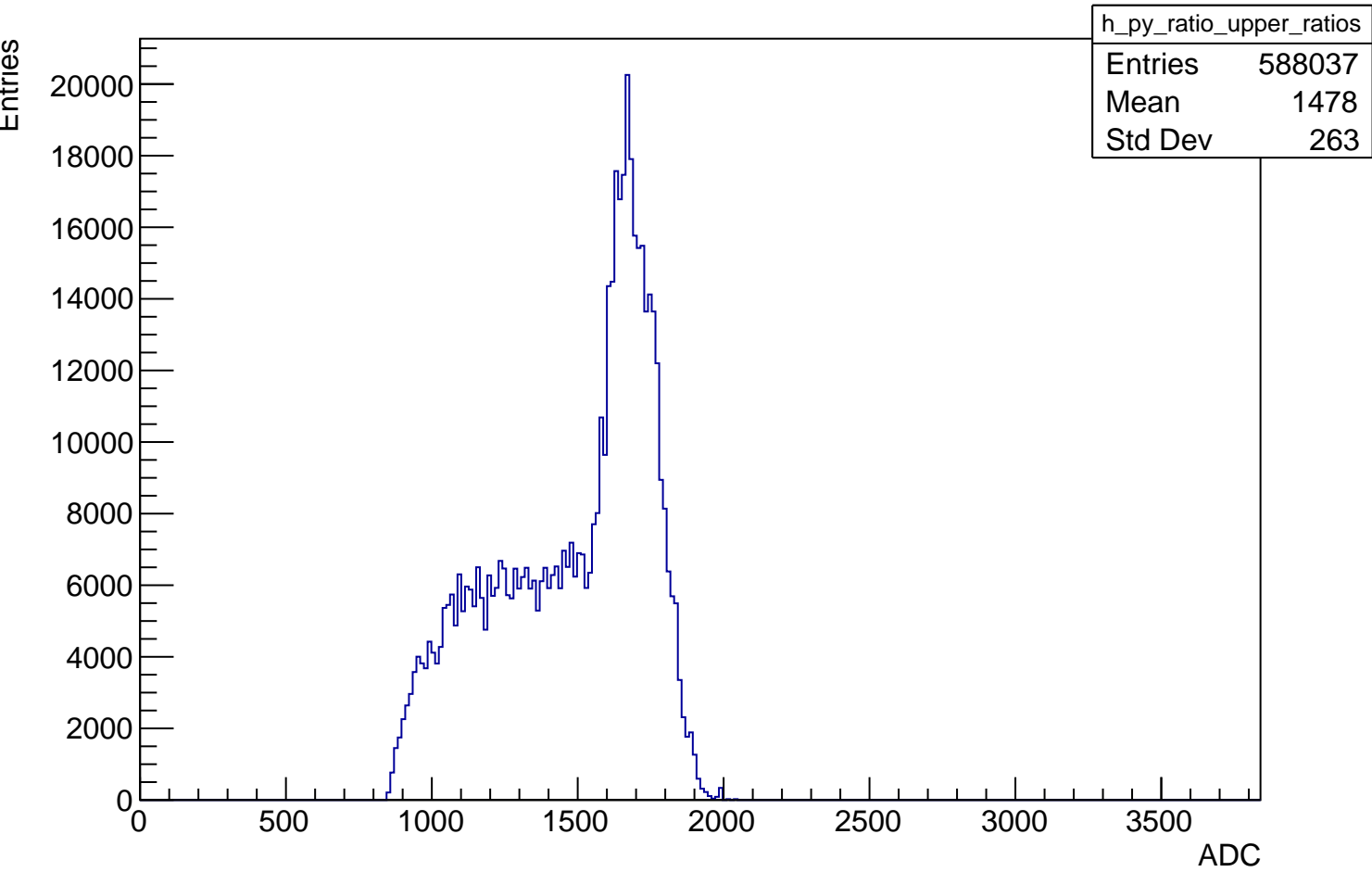
Entries



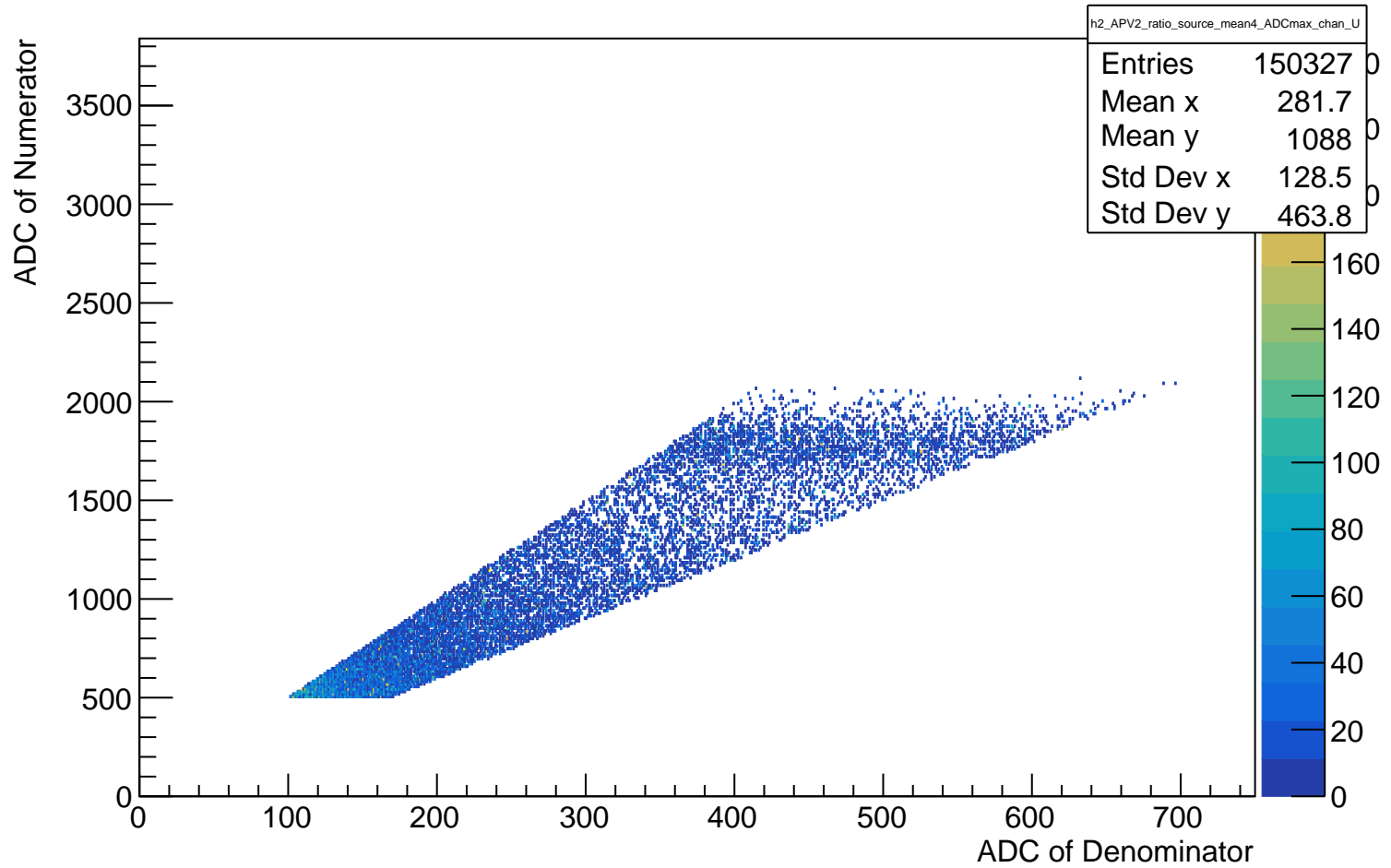






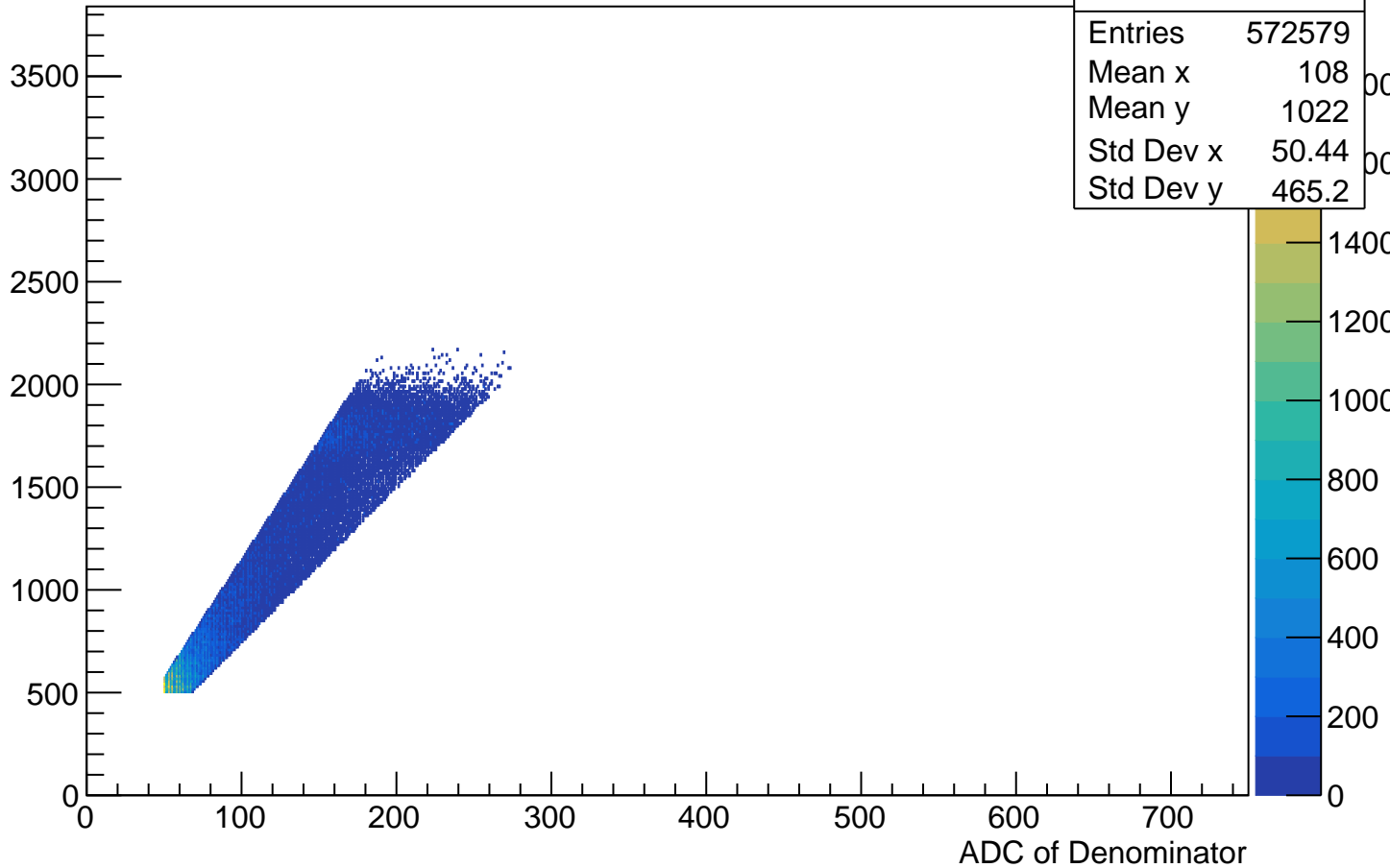


APV2 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

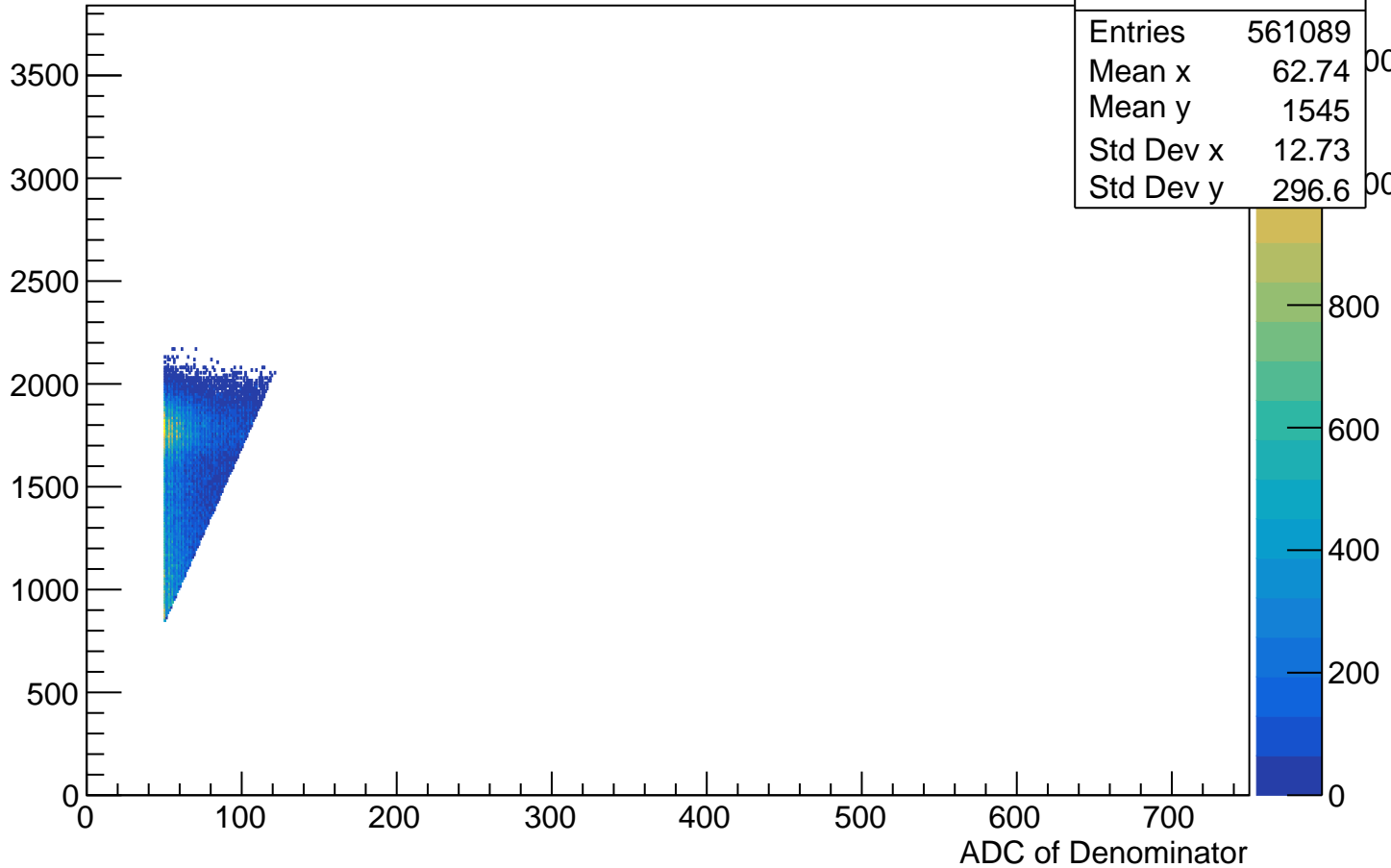


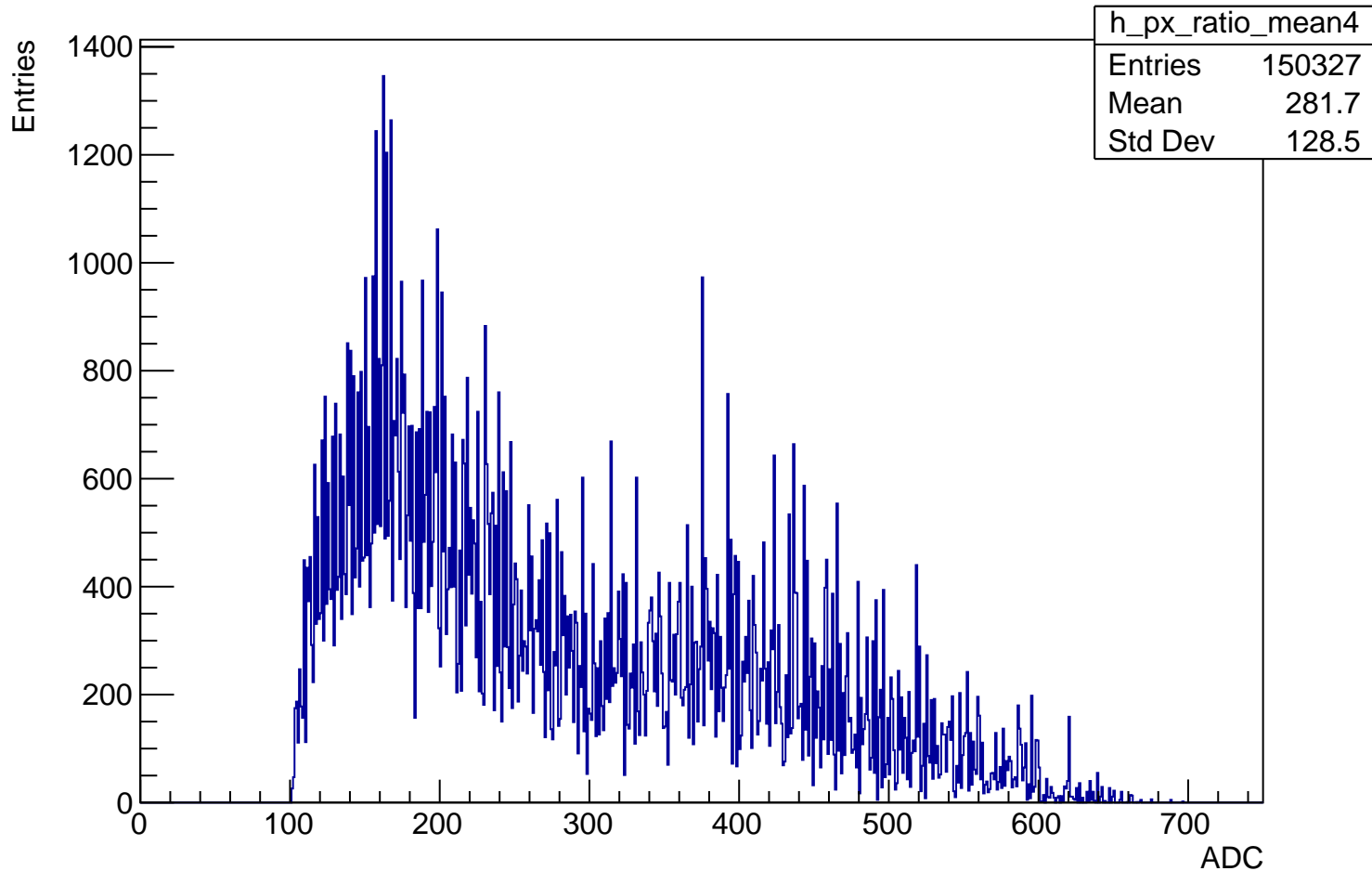
APV2 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

ADC of Numerator

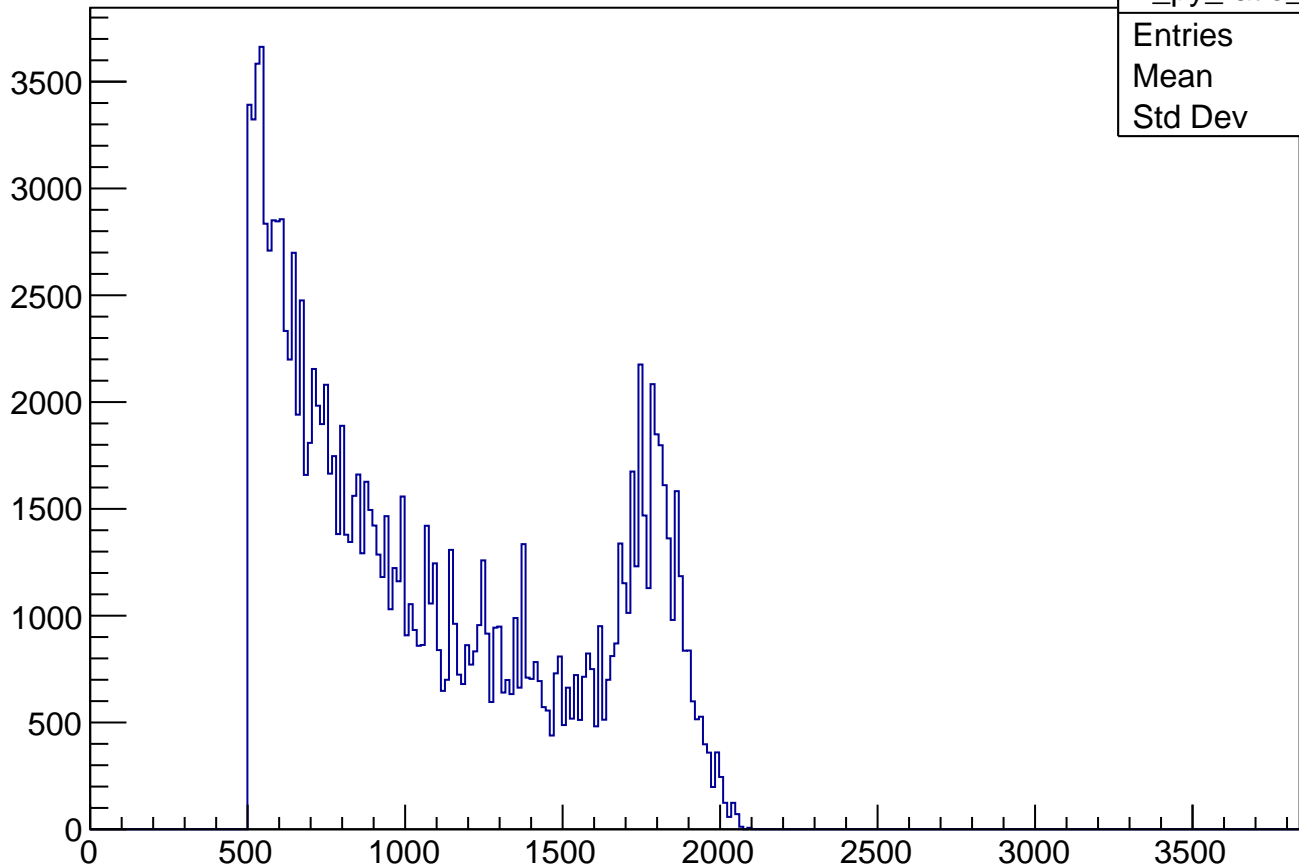


ADC of Numerator





Entries



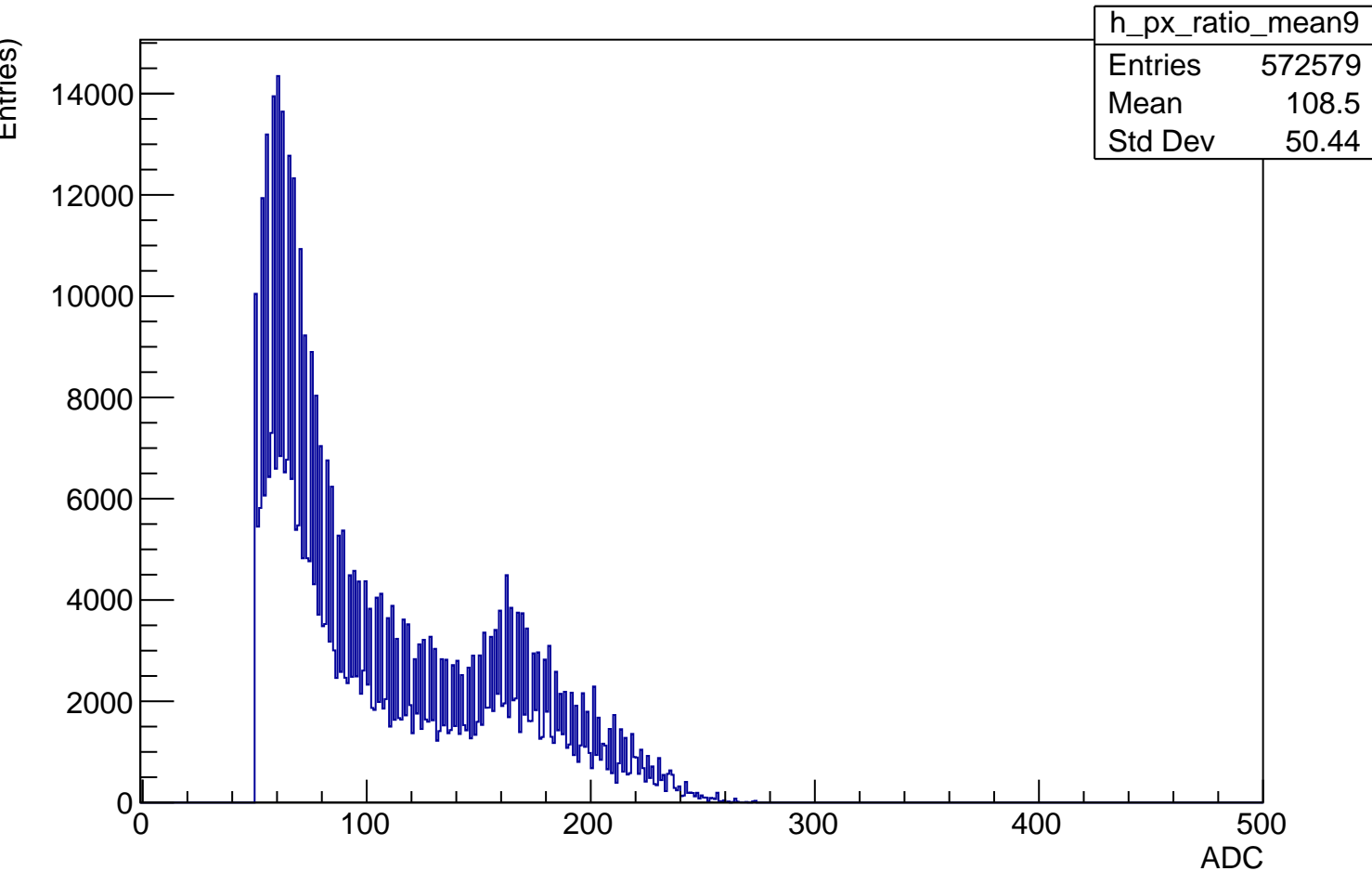
h_py_ratio_mean4

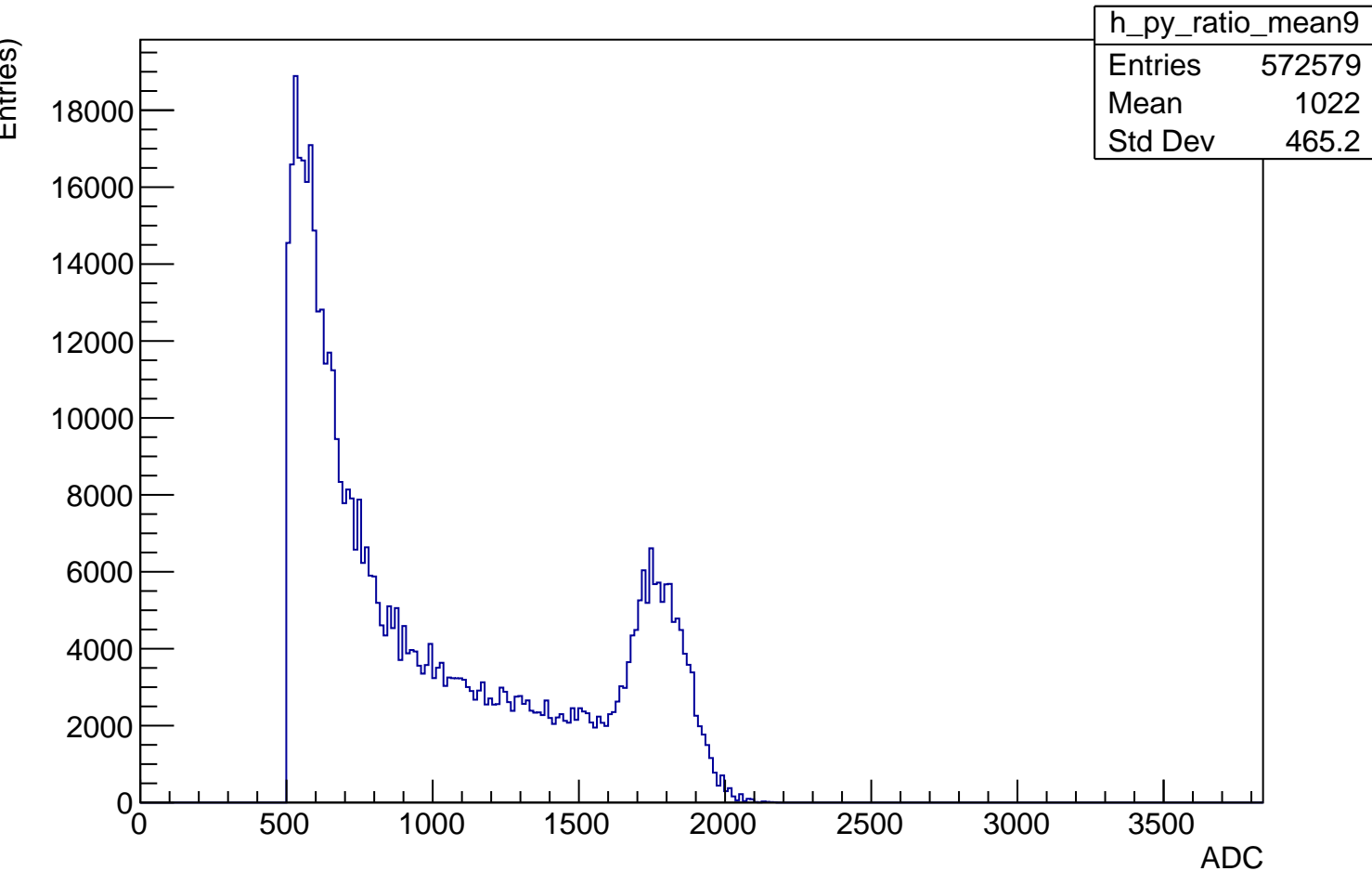
Entries 150327

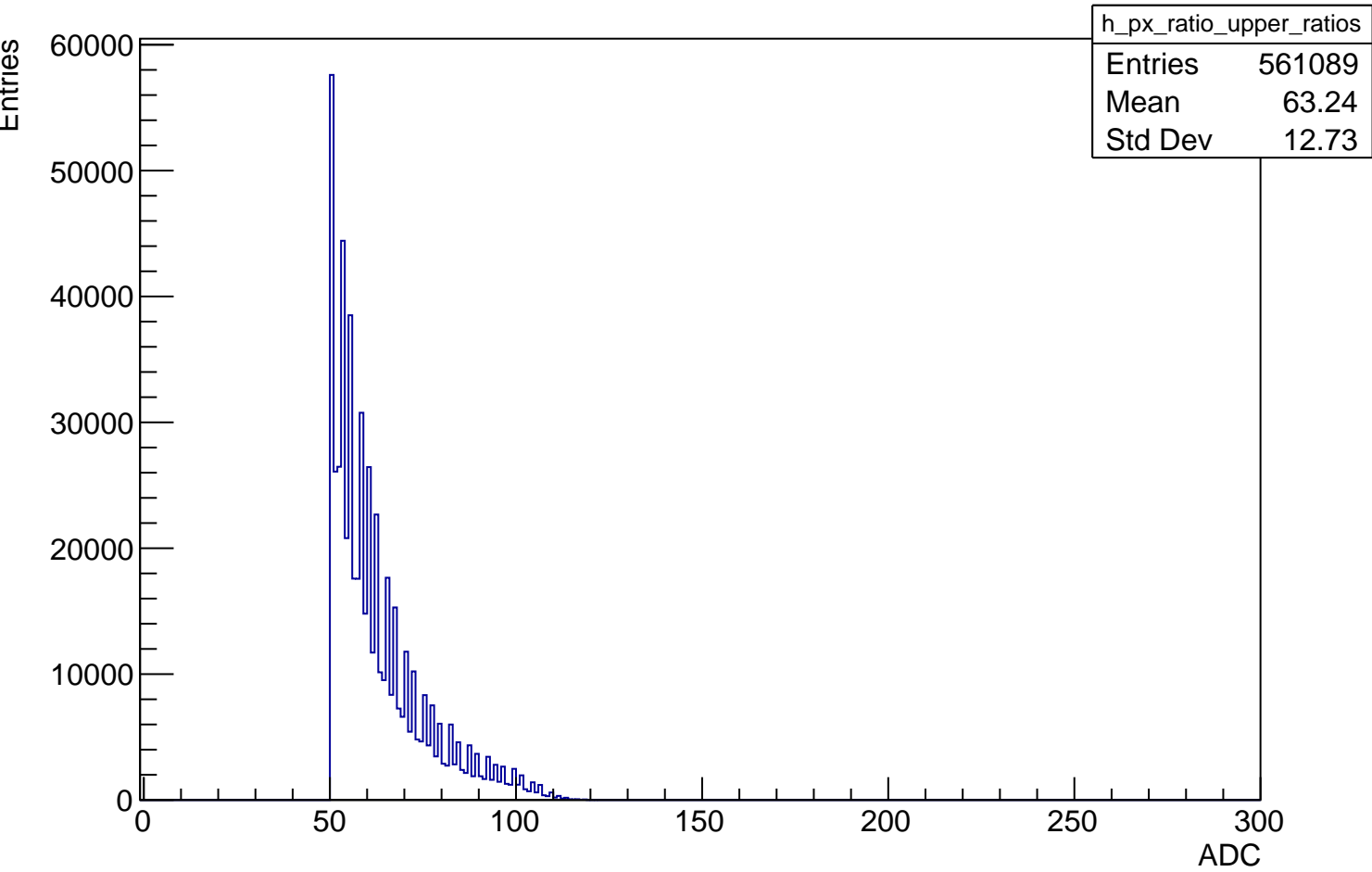
Mean 1088

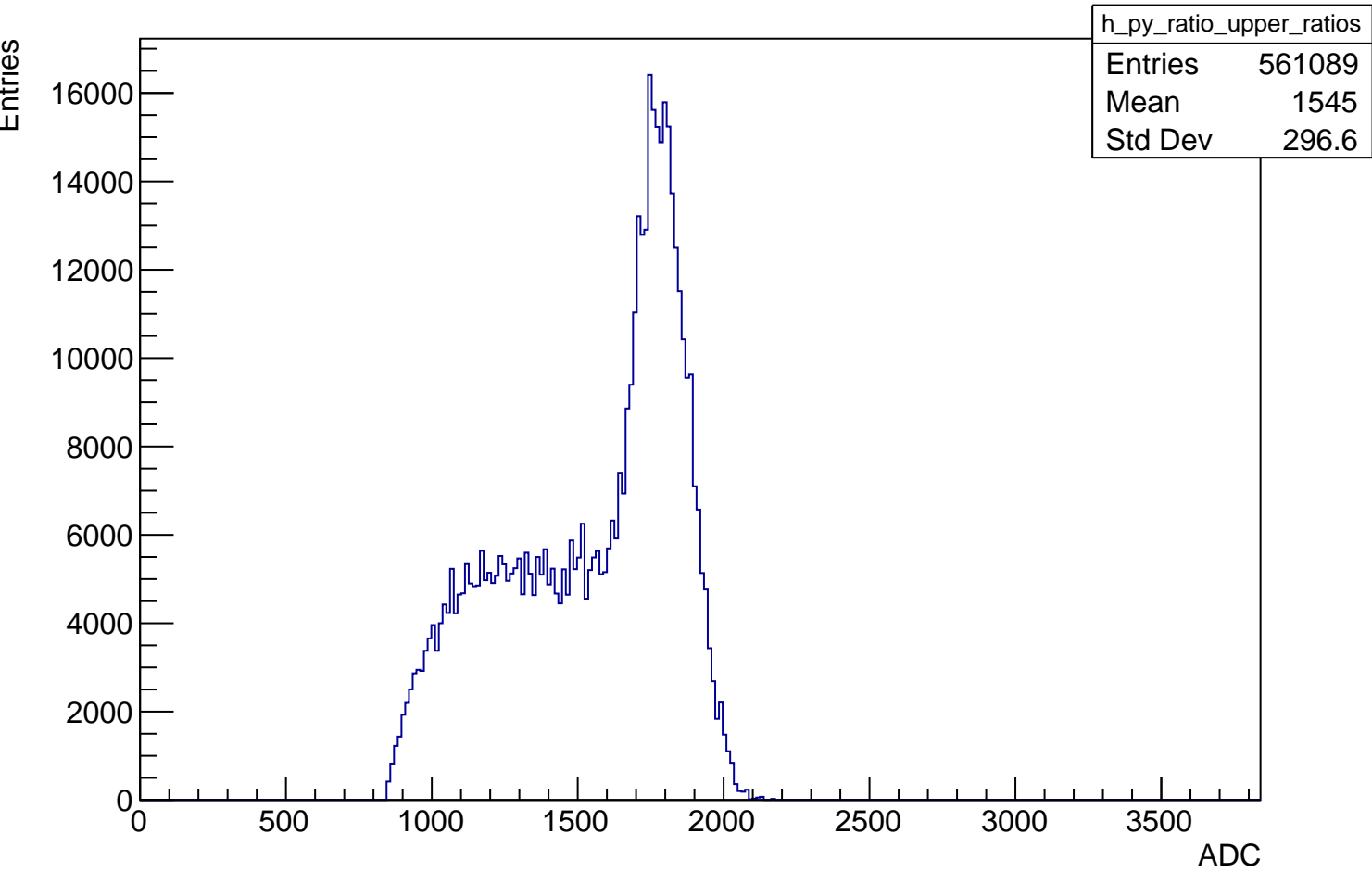
Std Dev 463.8

ADC

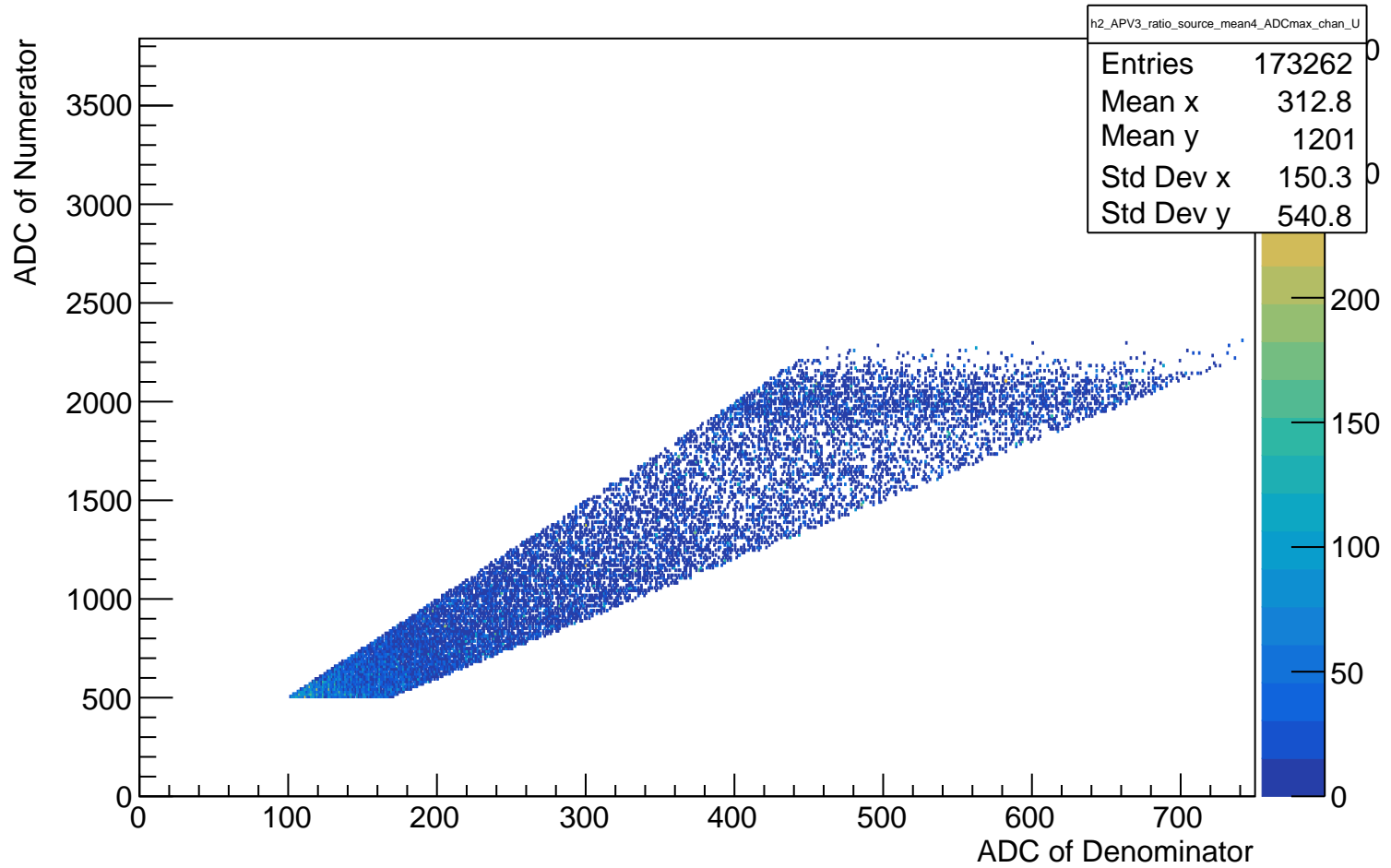




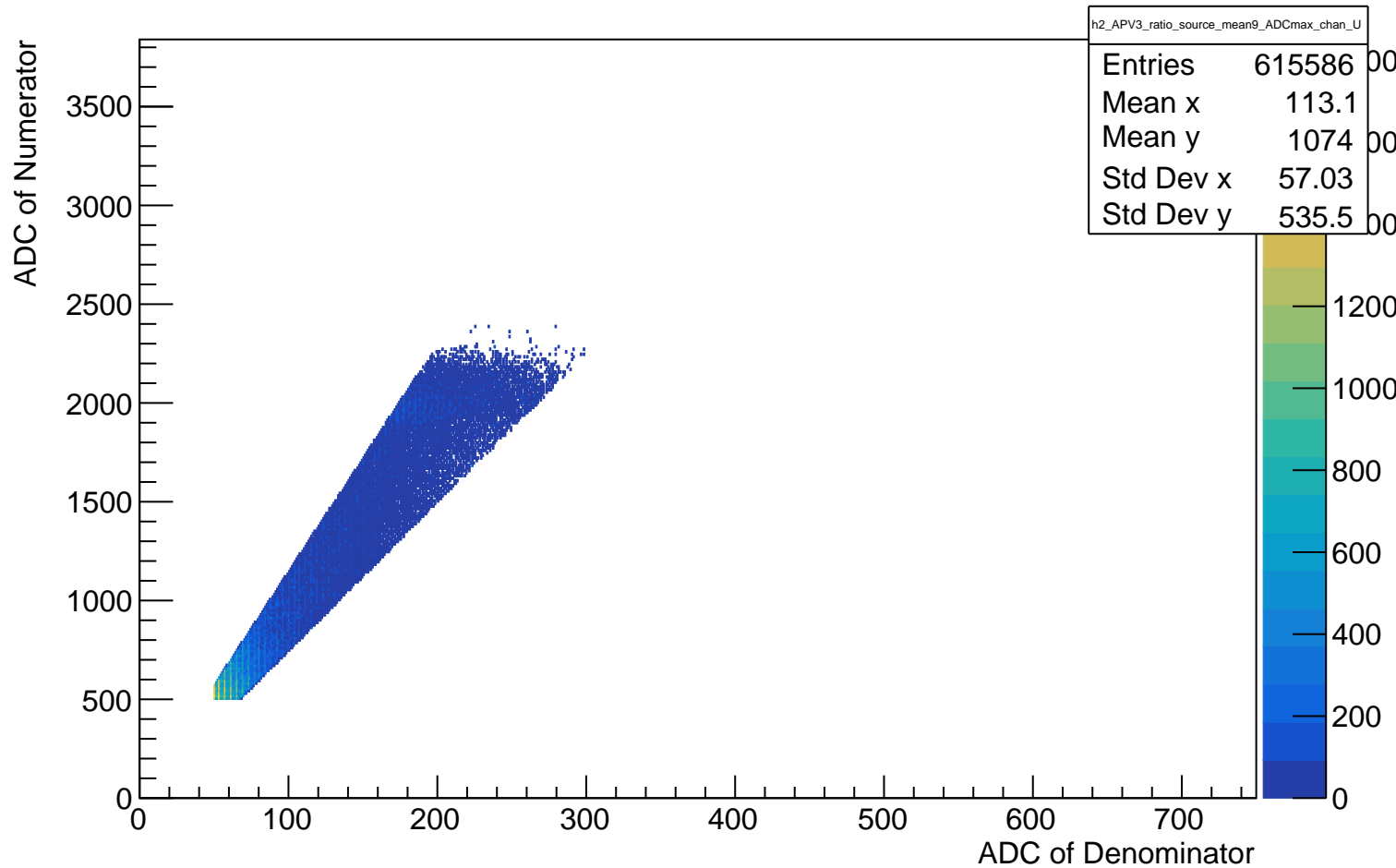




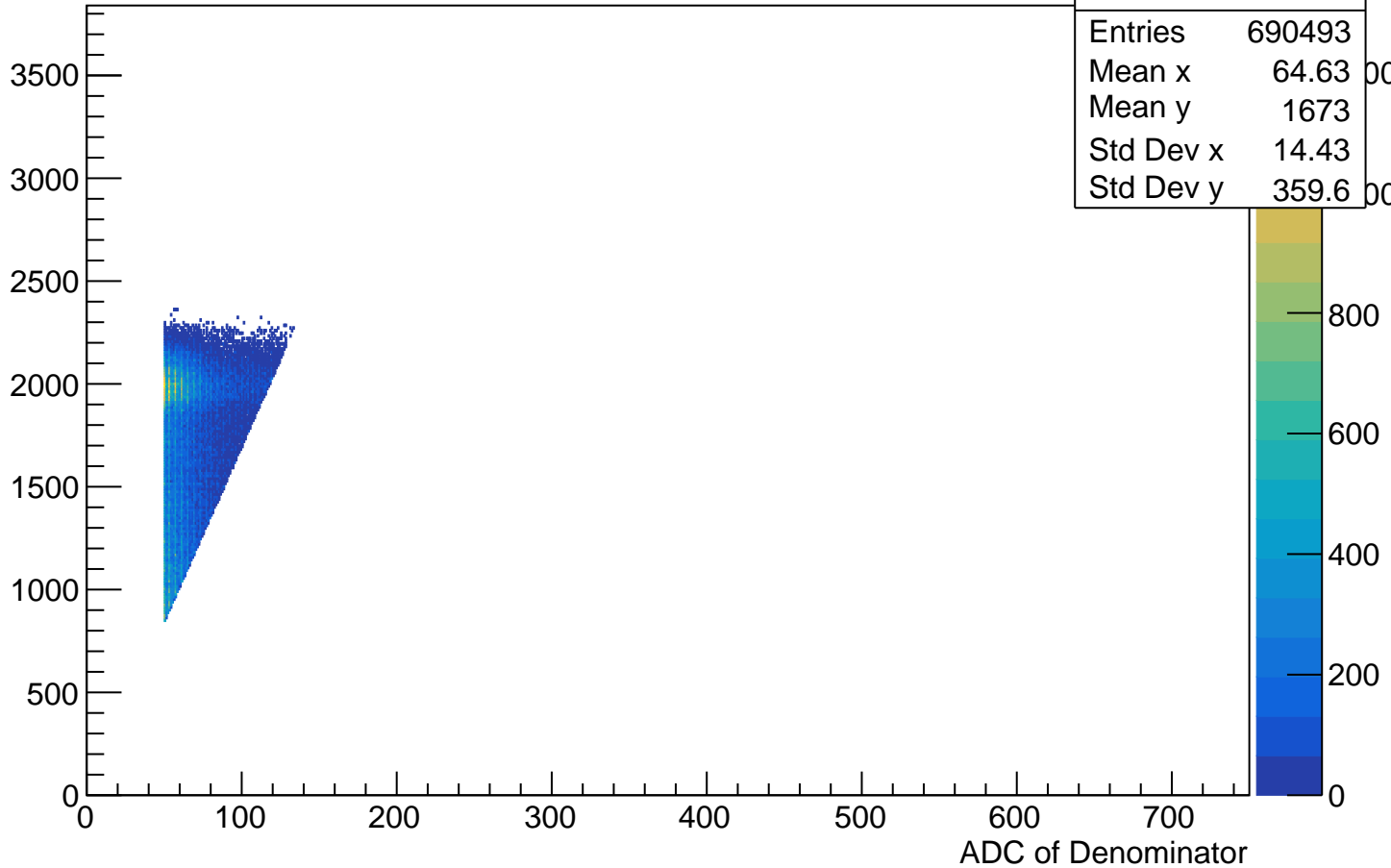
APV3 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



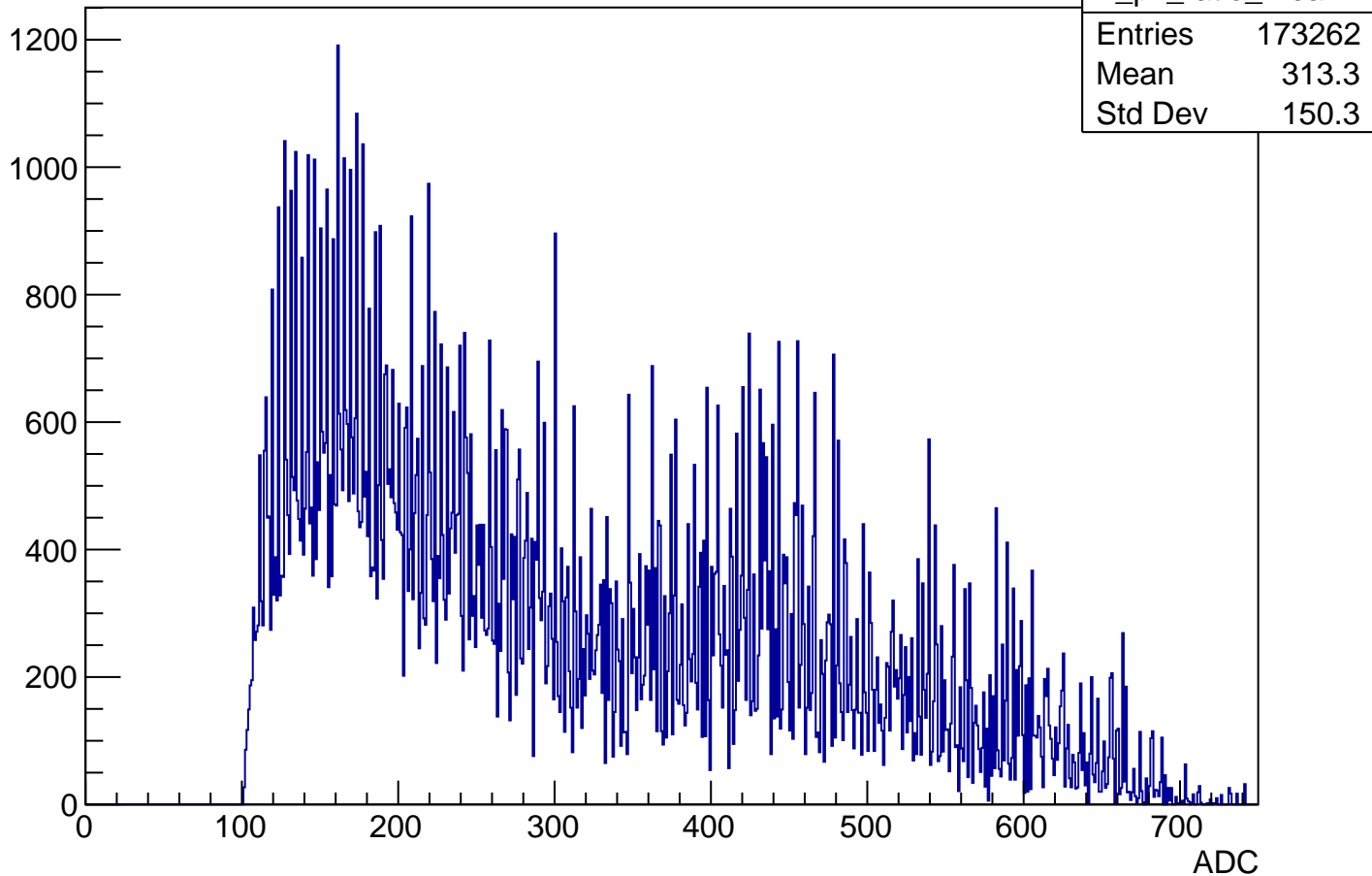
APV3 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

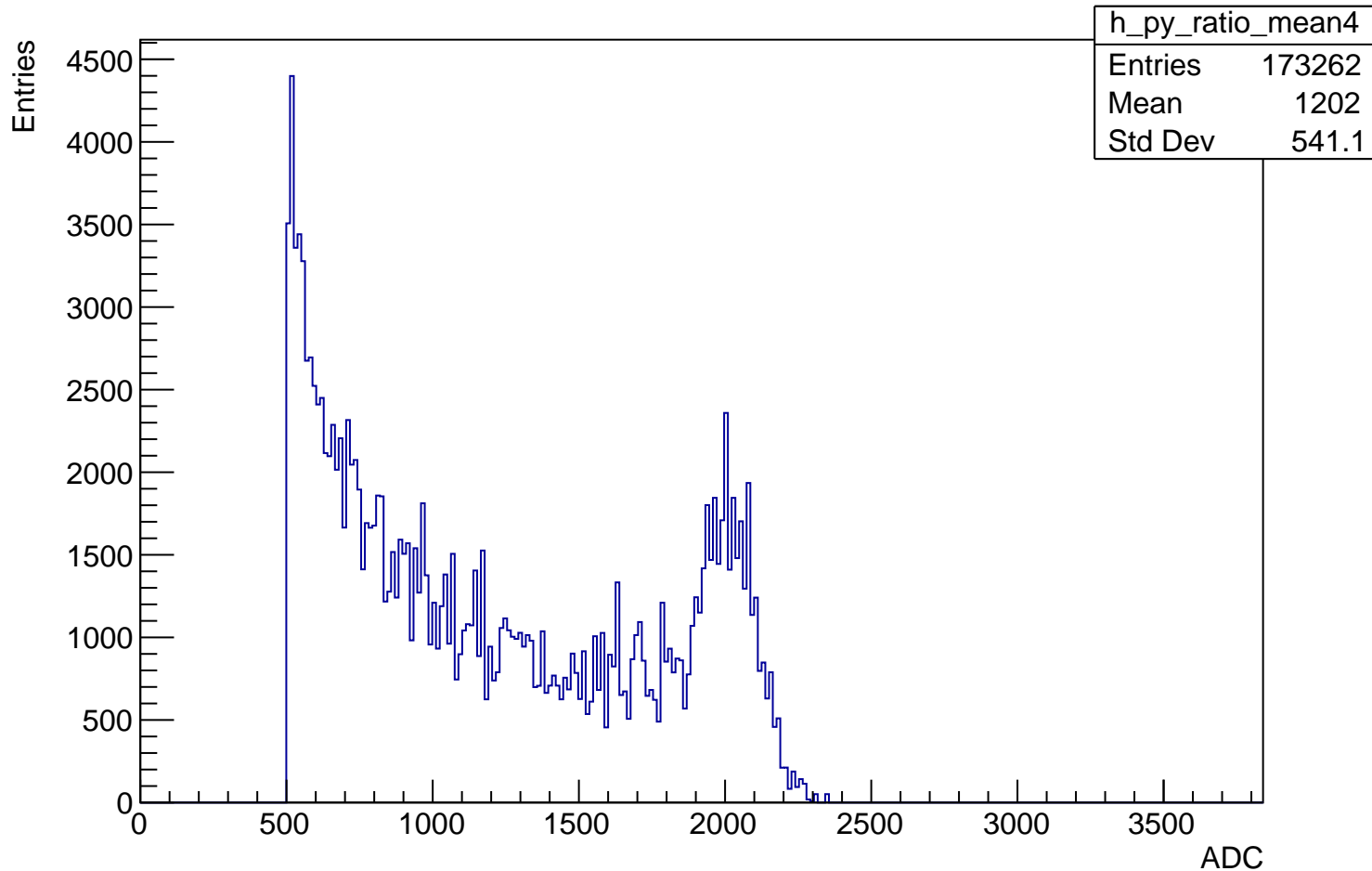


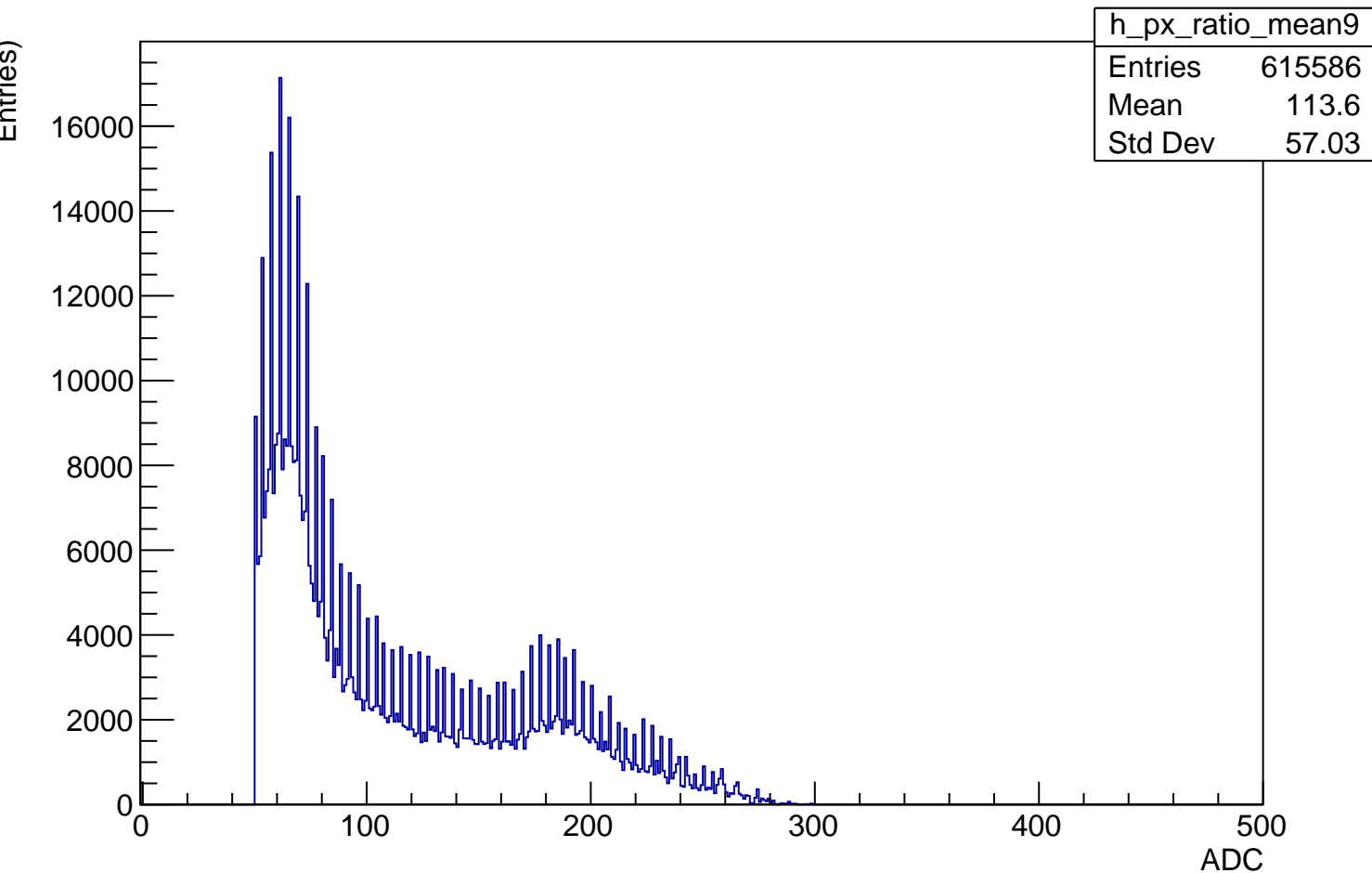
ADC of Numerator

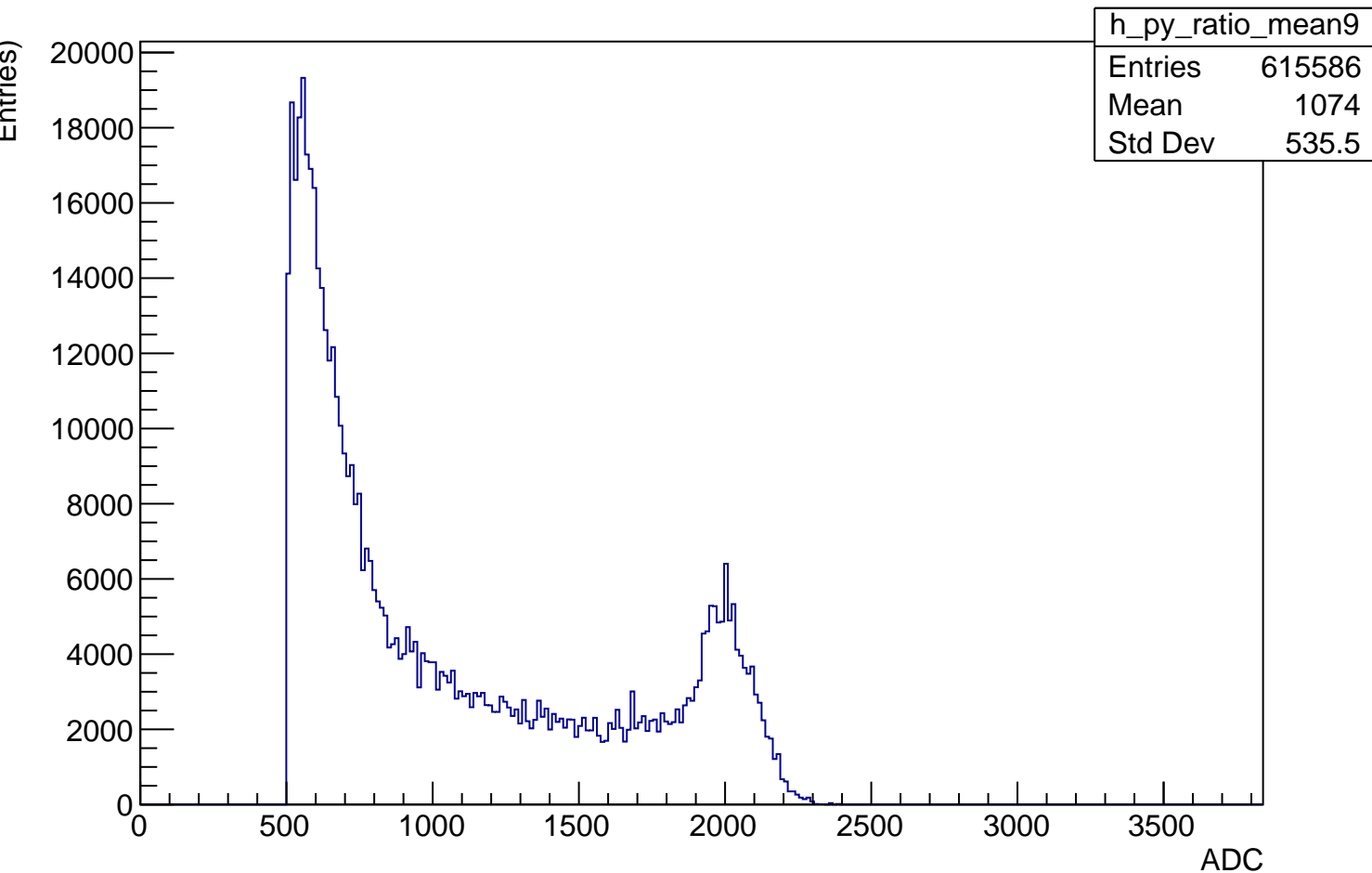


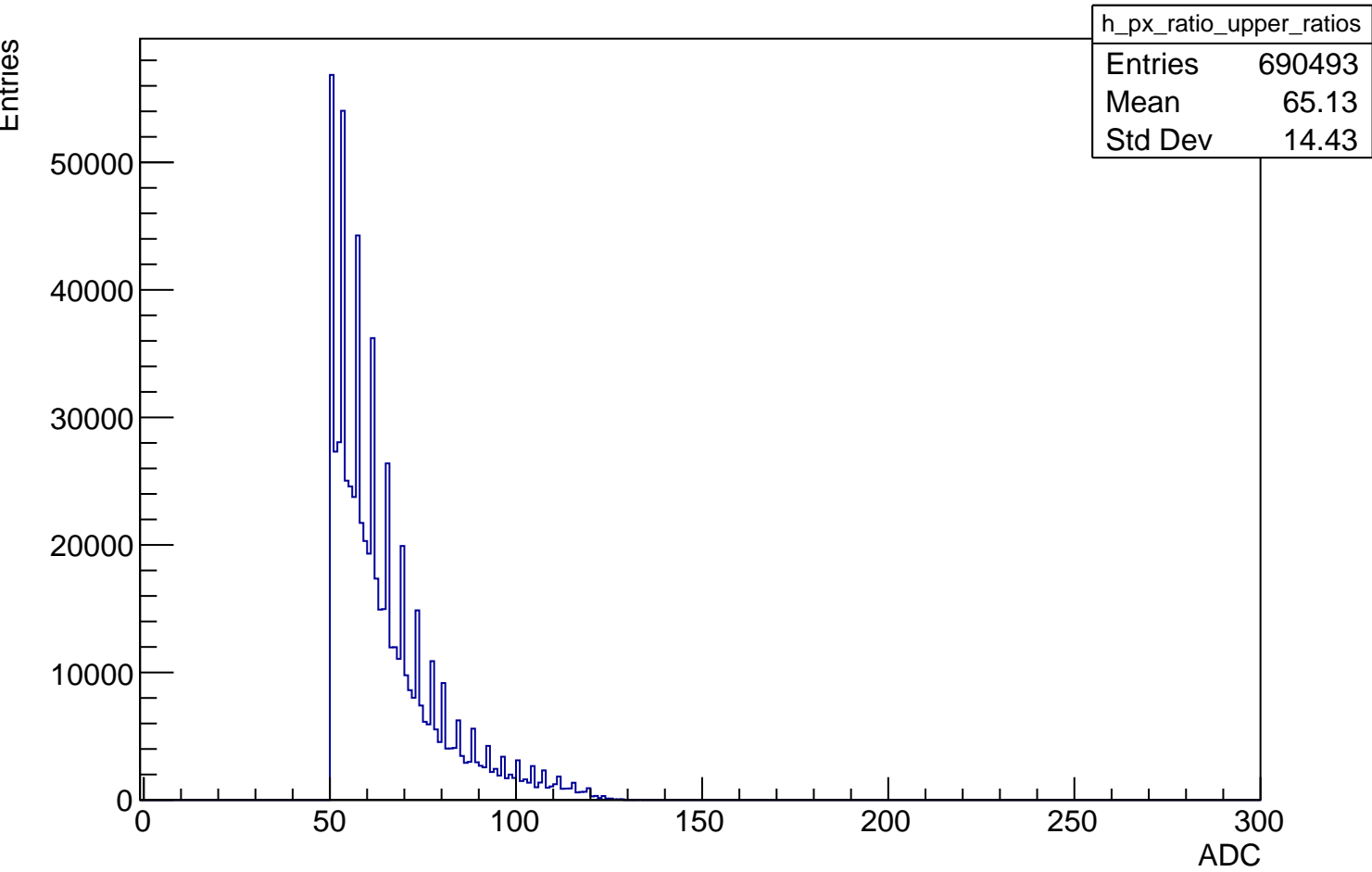
Entries



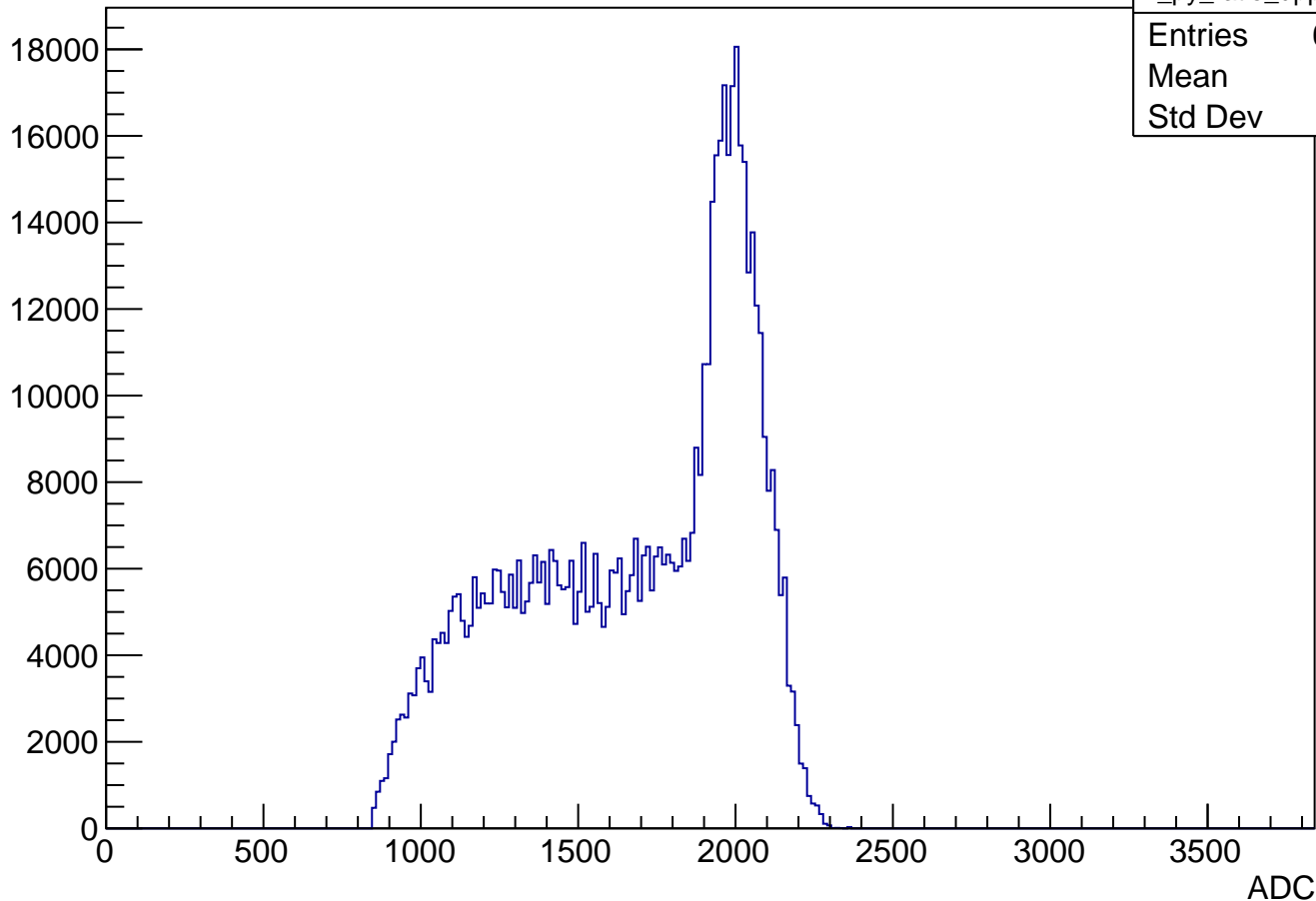








Entries



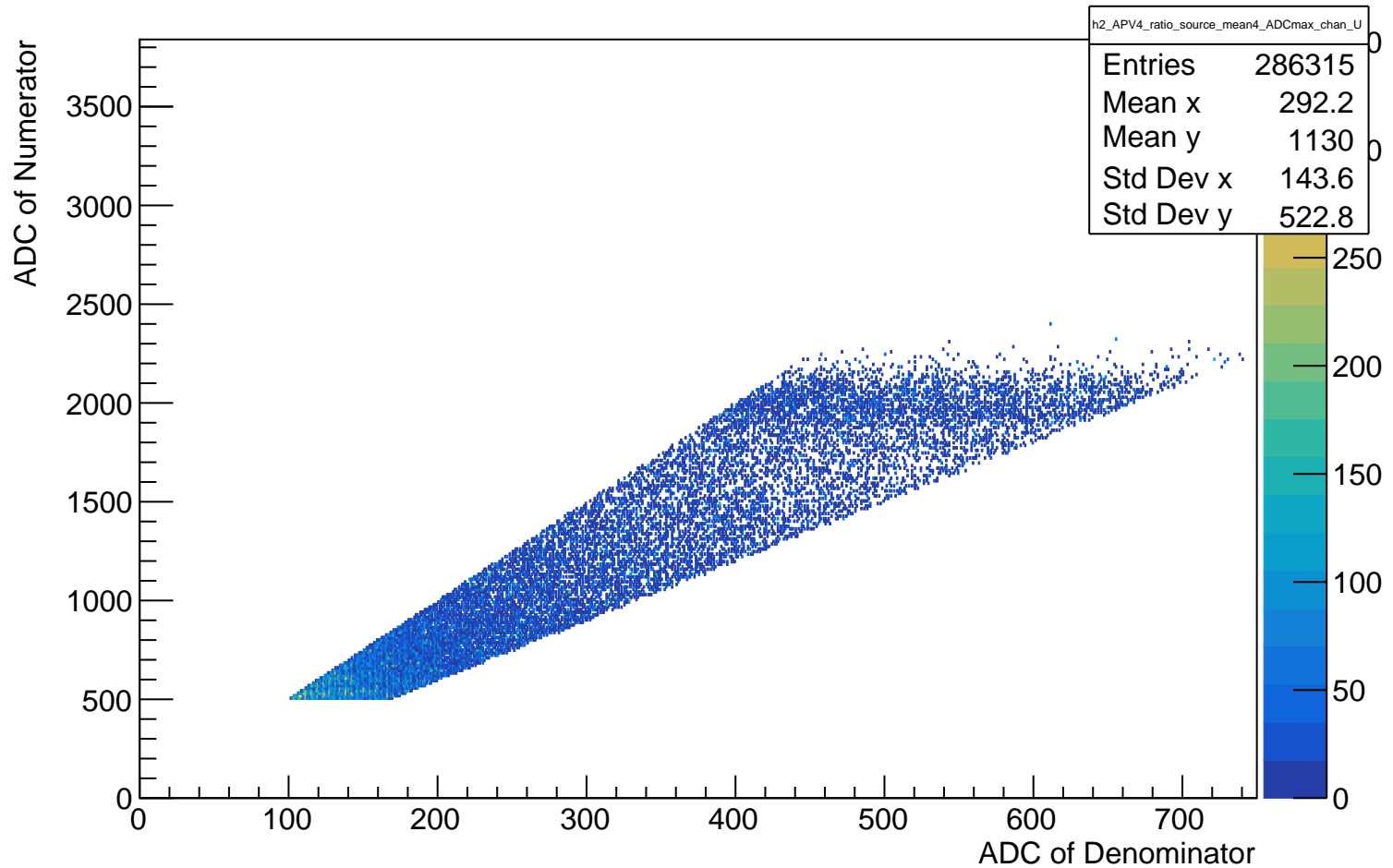
h_py_ratio_upper_ratios

Entries 690493

Mean 1673

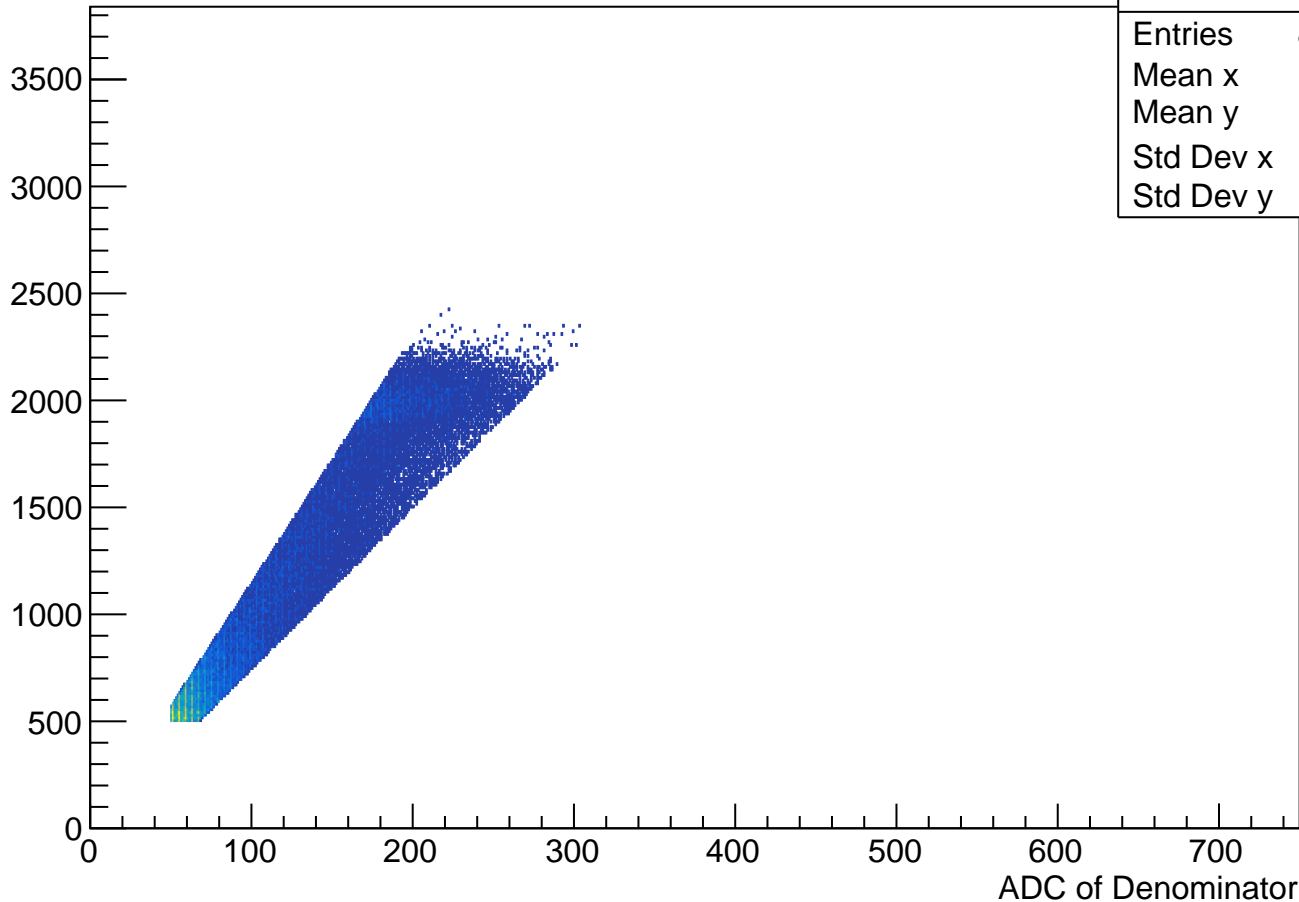
Std Dev 359.6

APV4 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



APV4 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

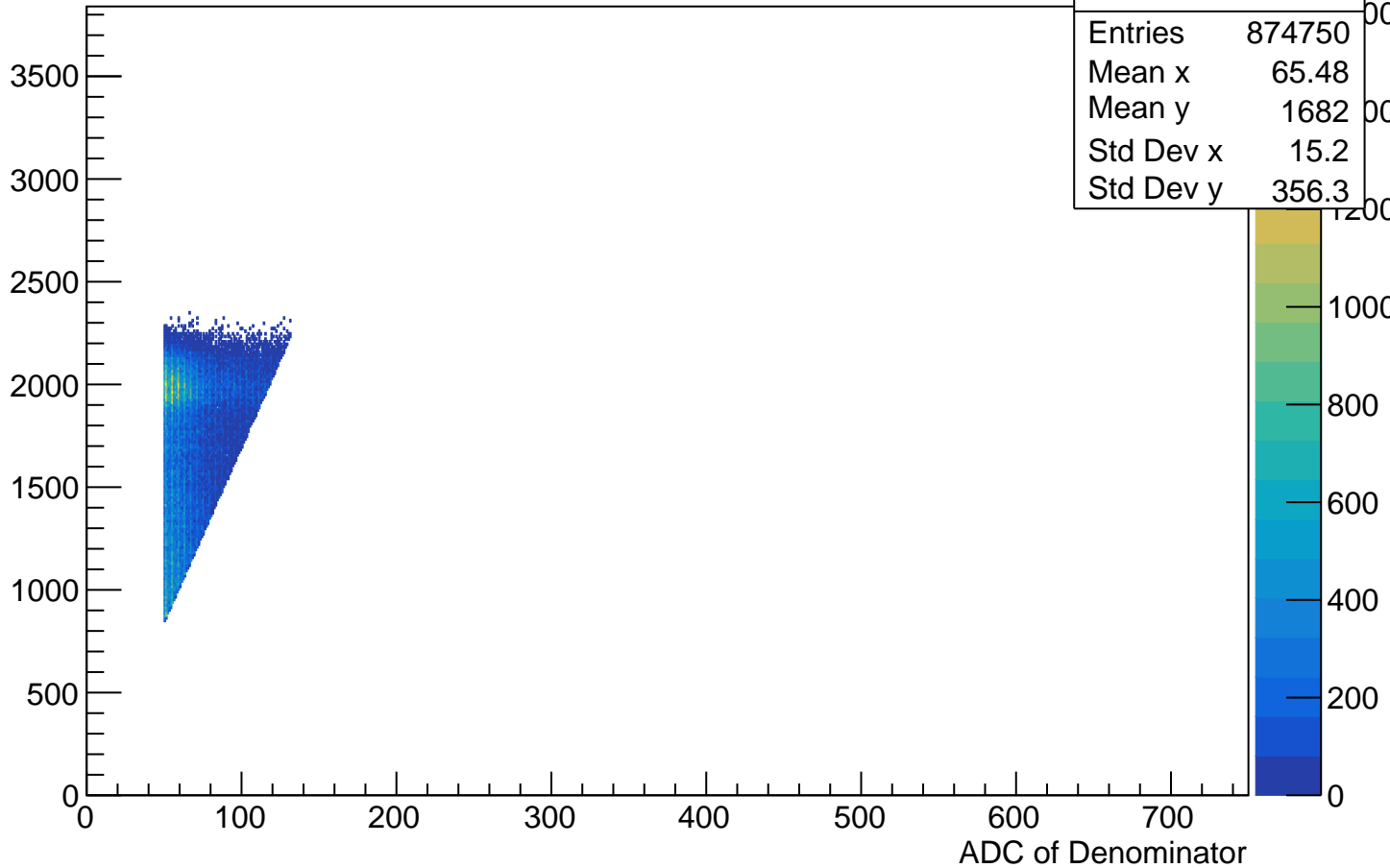
ADC of Numerator



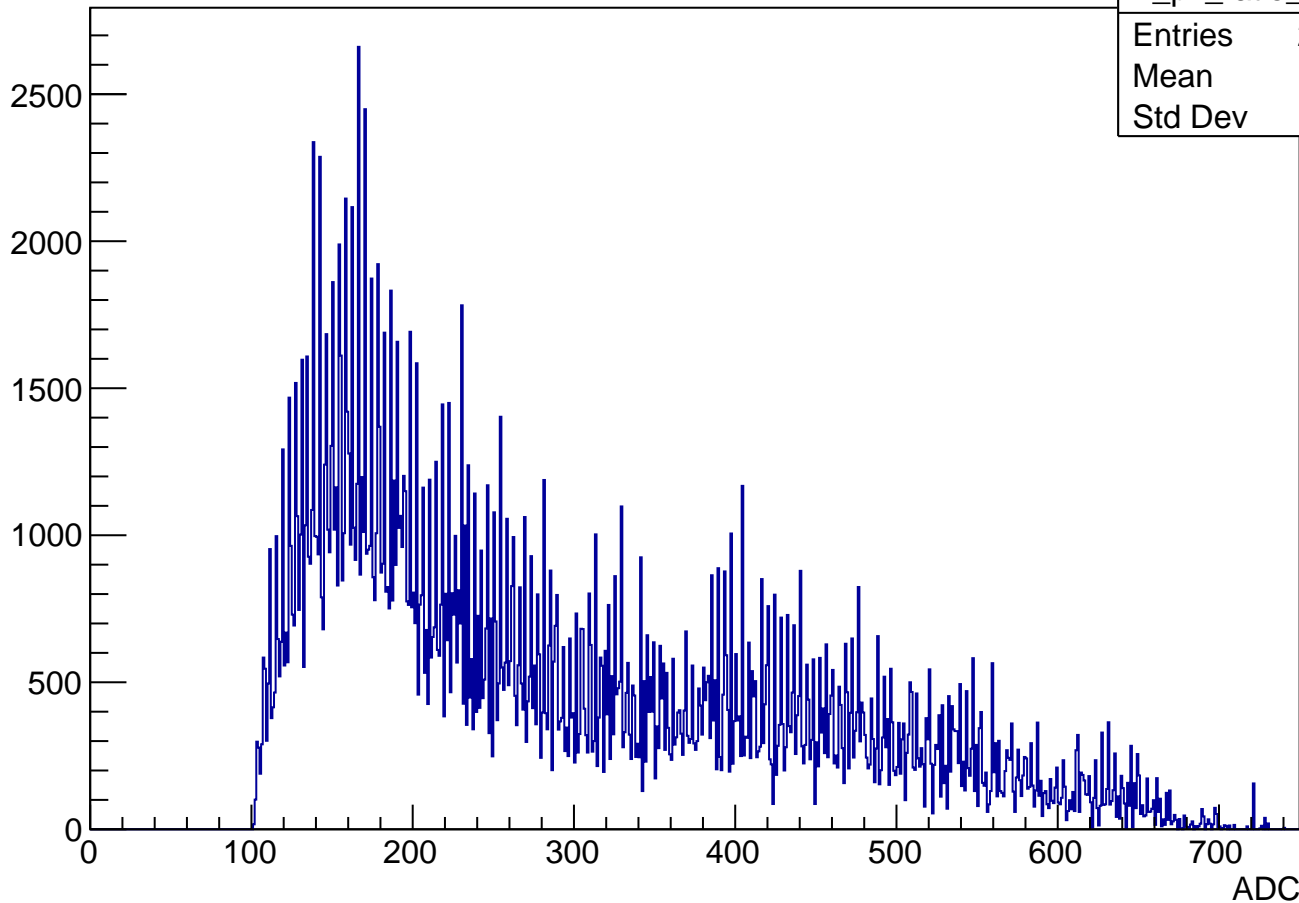
h2_APV4_ratio_source_mean9_ADCmax_chan_U

Entries	851454
Mean x	116.7
Mean y	1109
Std Dev x	56.08
Std Dev y	530.1

ADC of Numerator

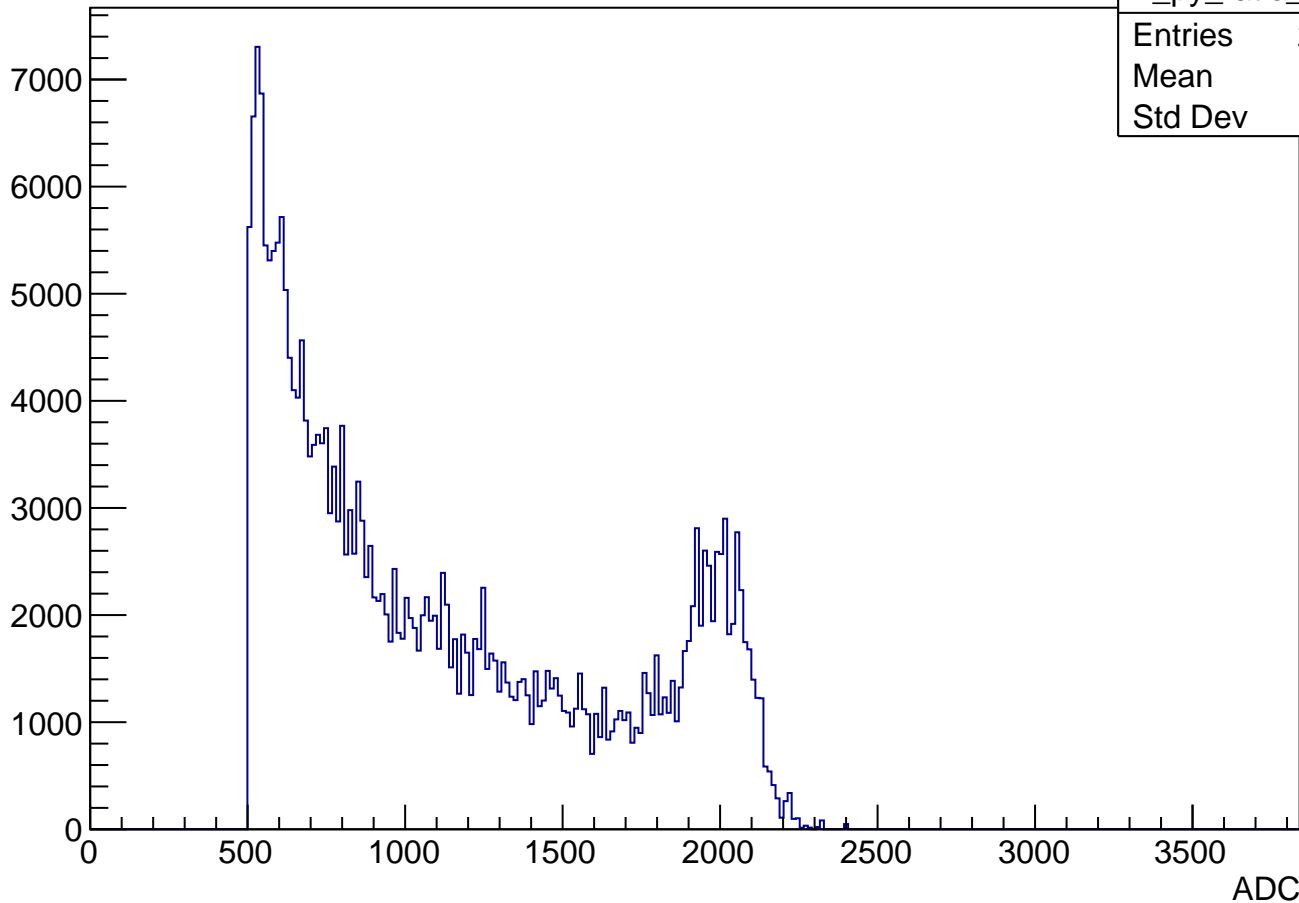


Entries

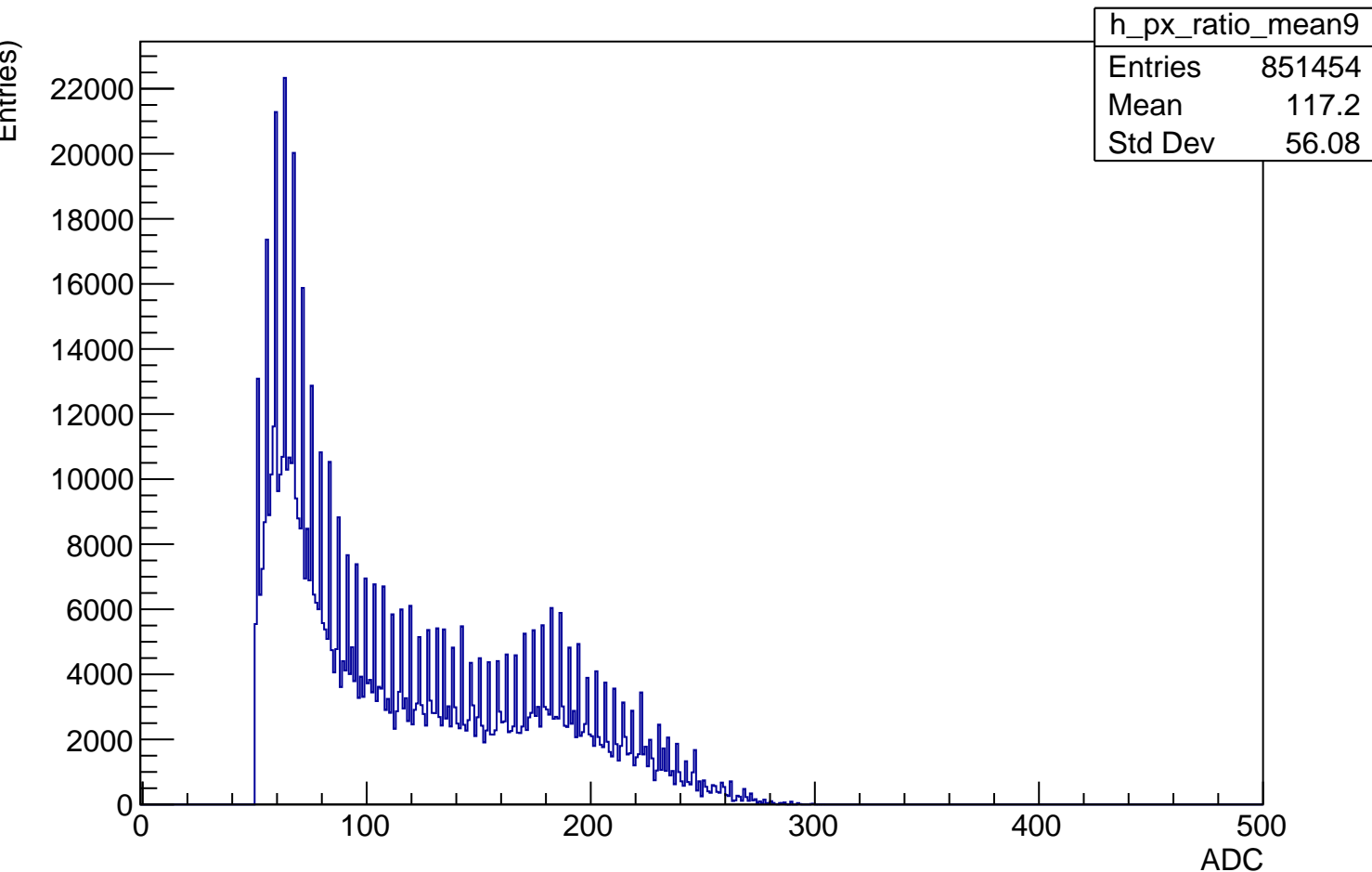


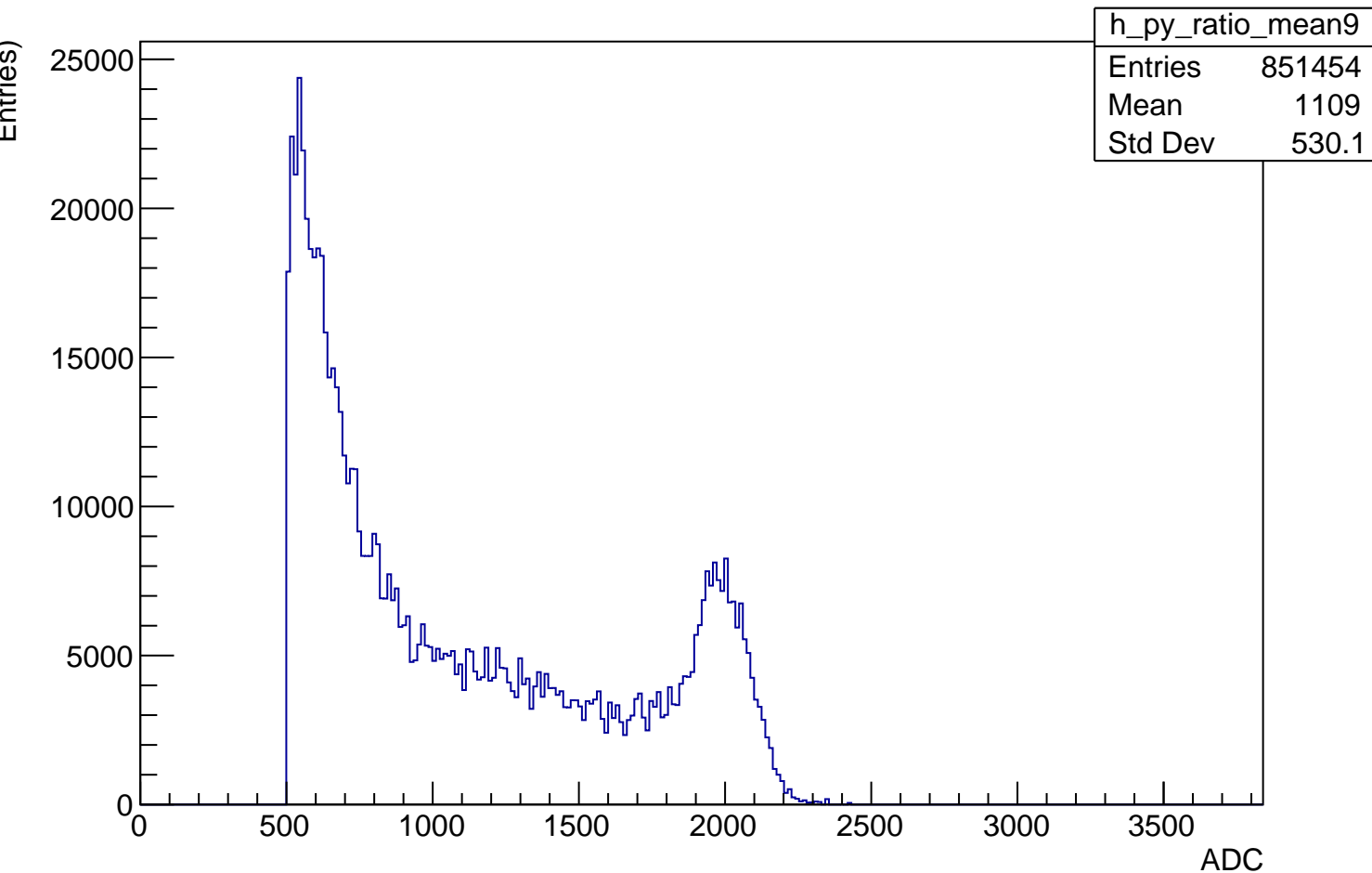
ADC

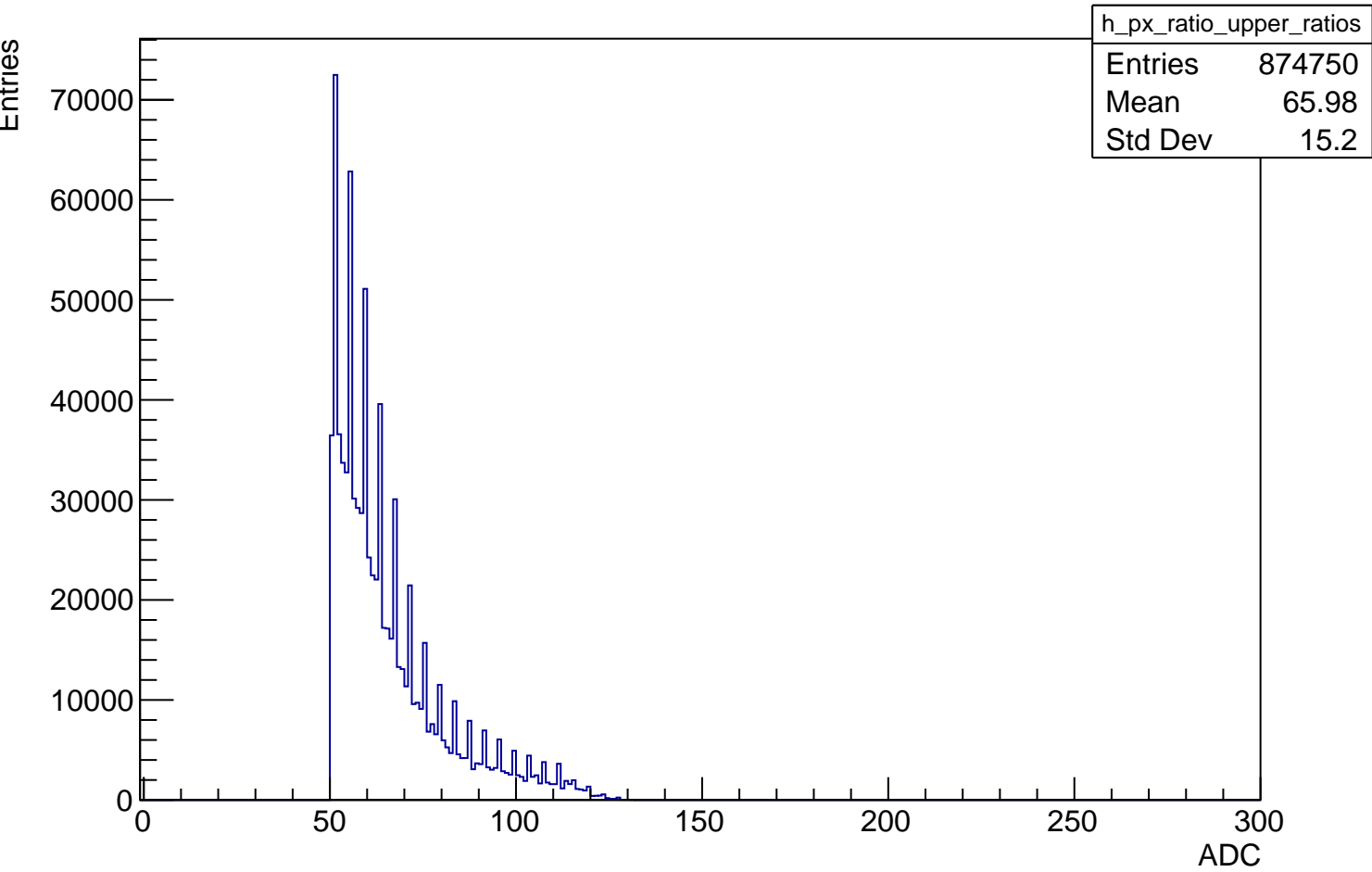
Entries

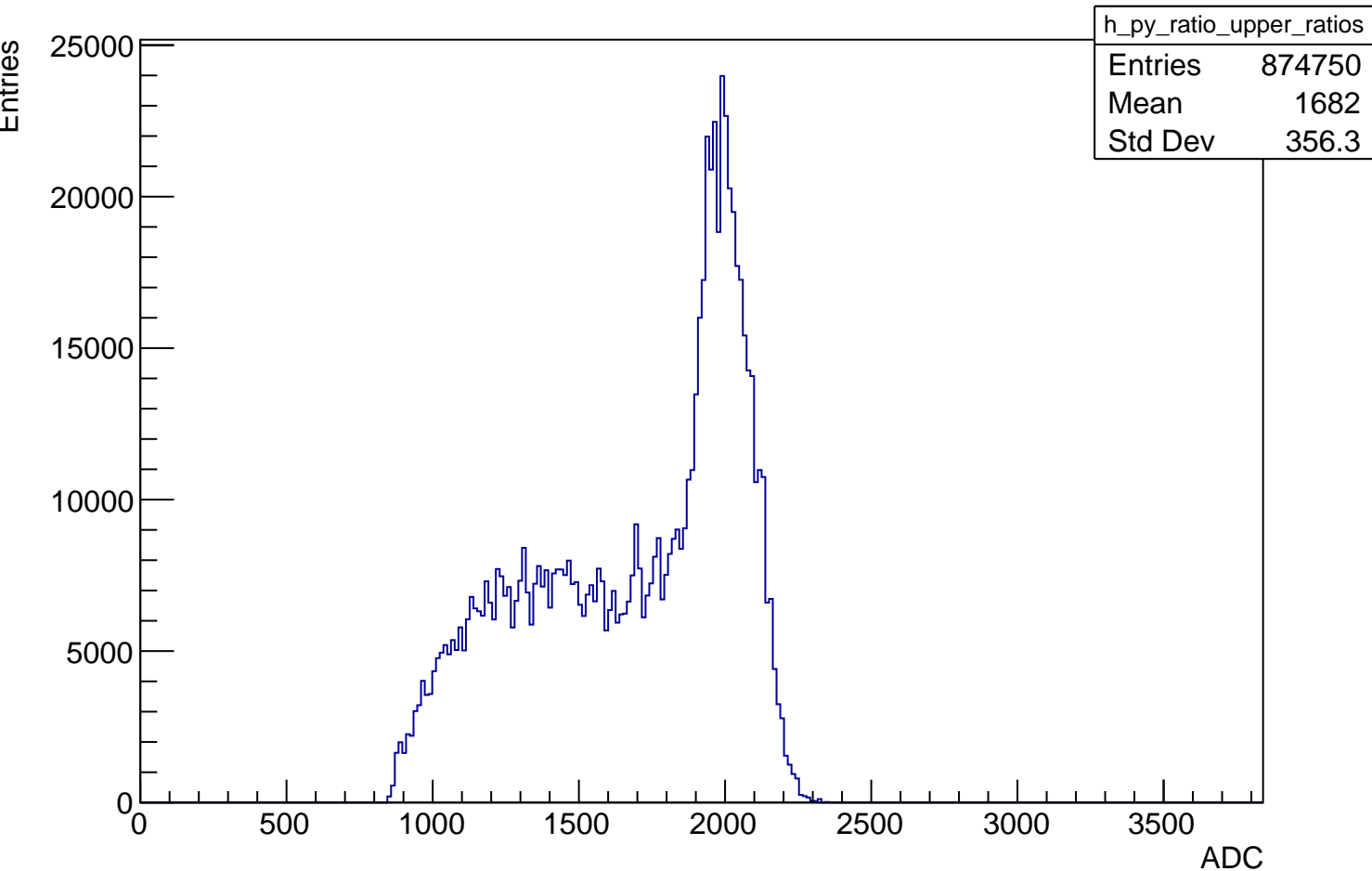


ADC

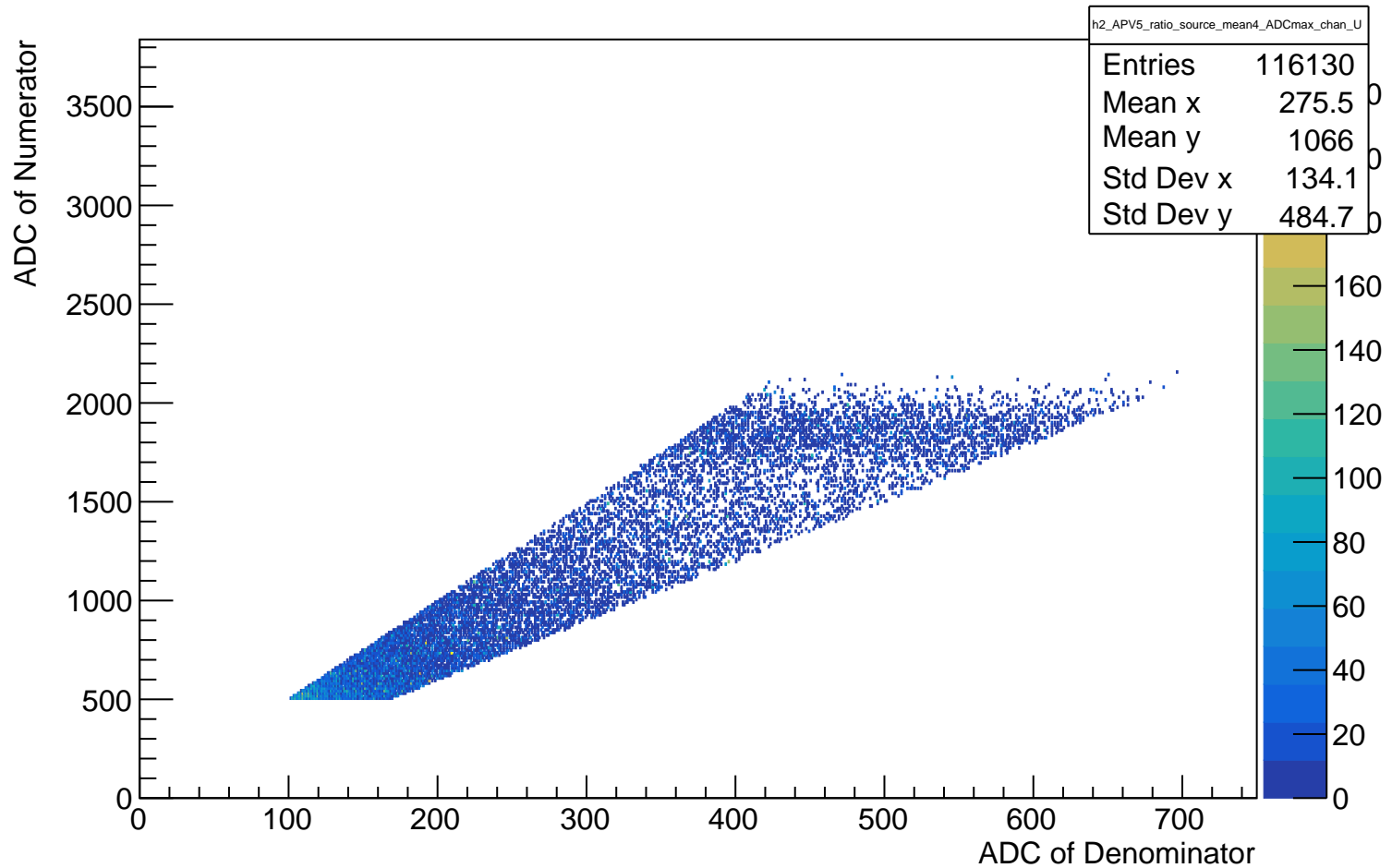




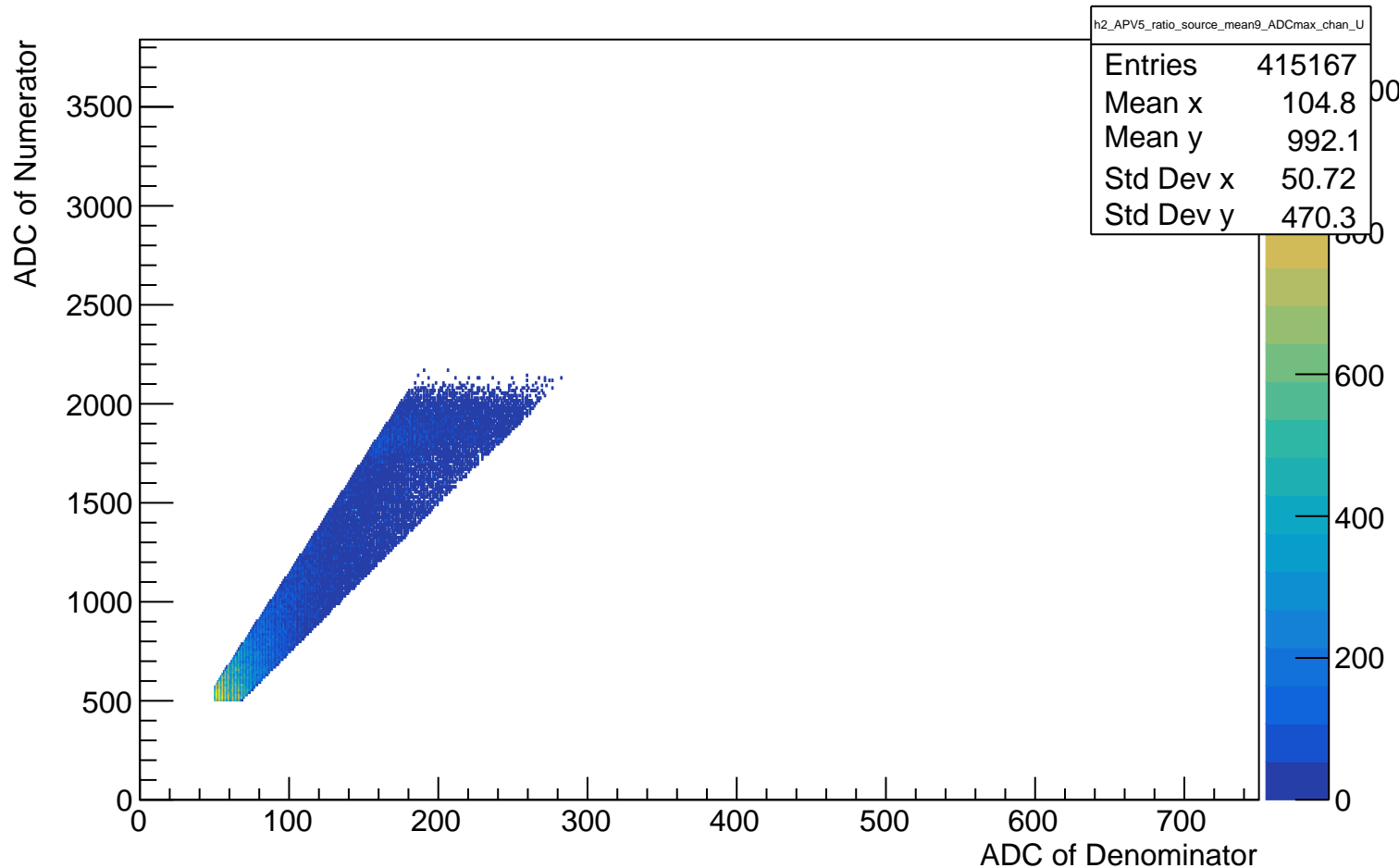




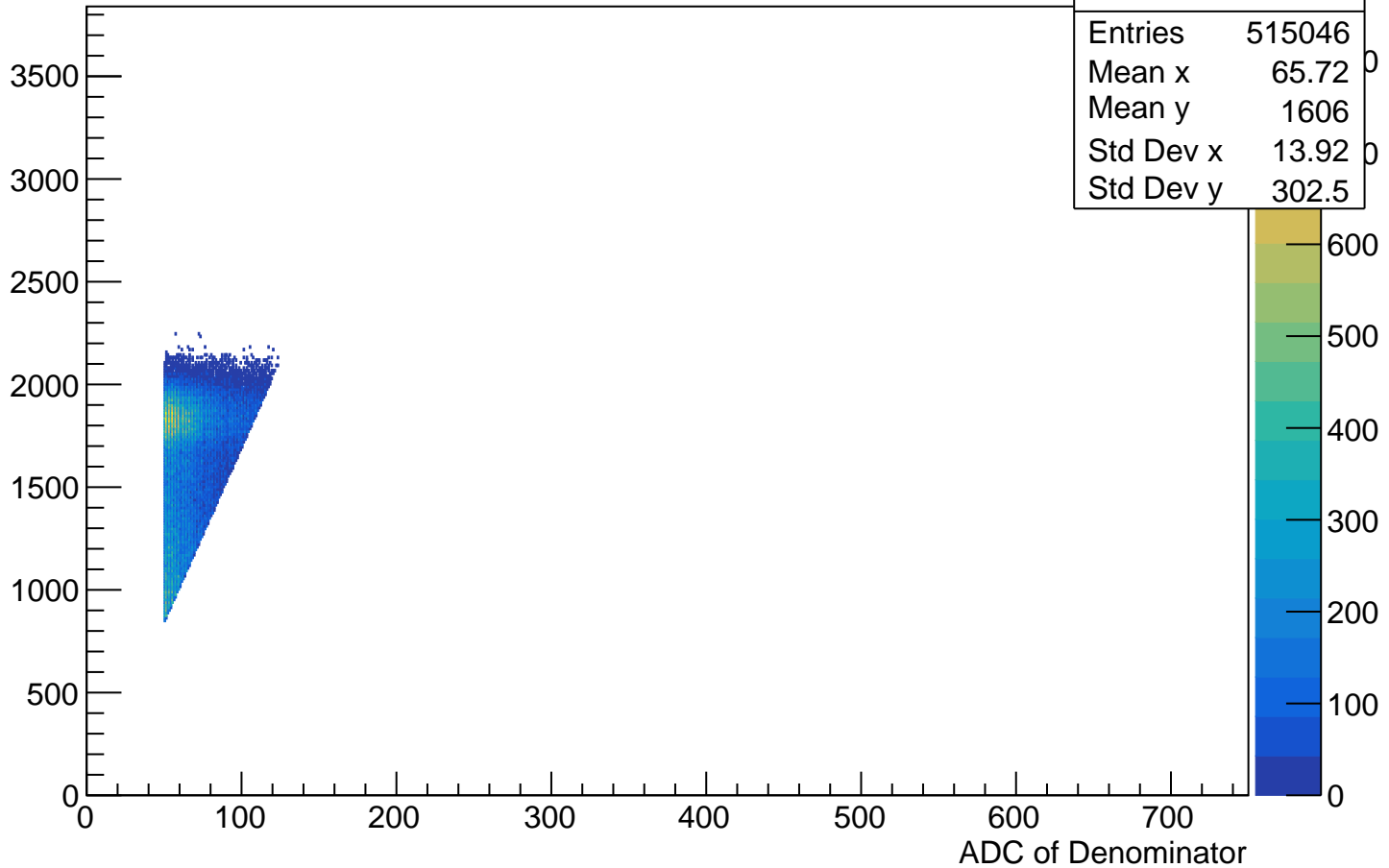
APV5 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



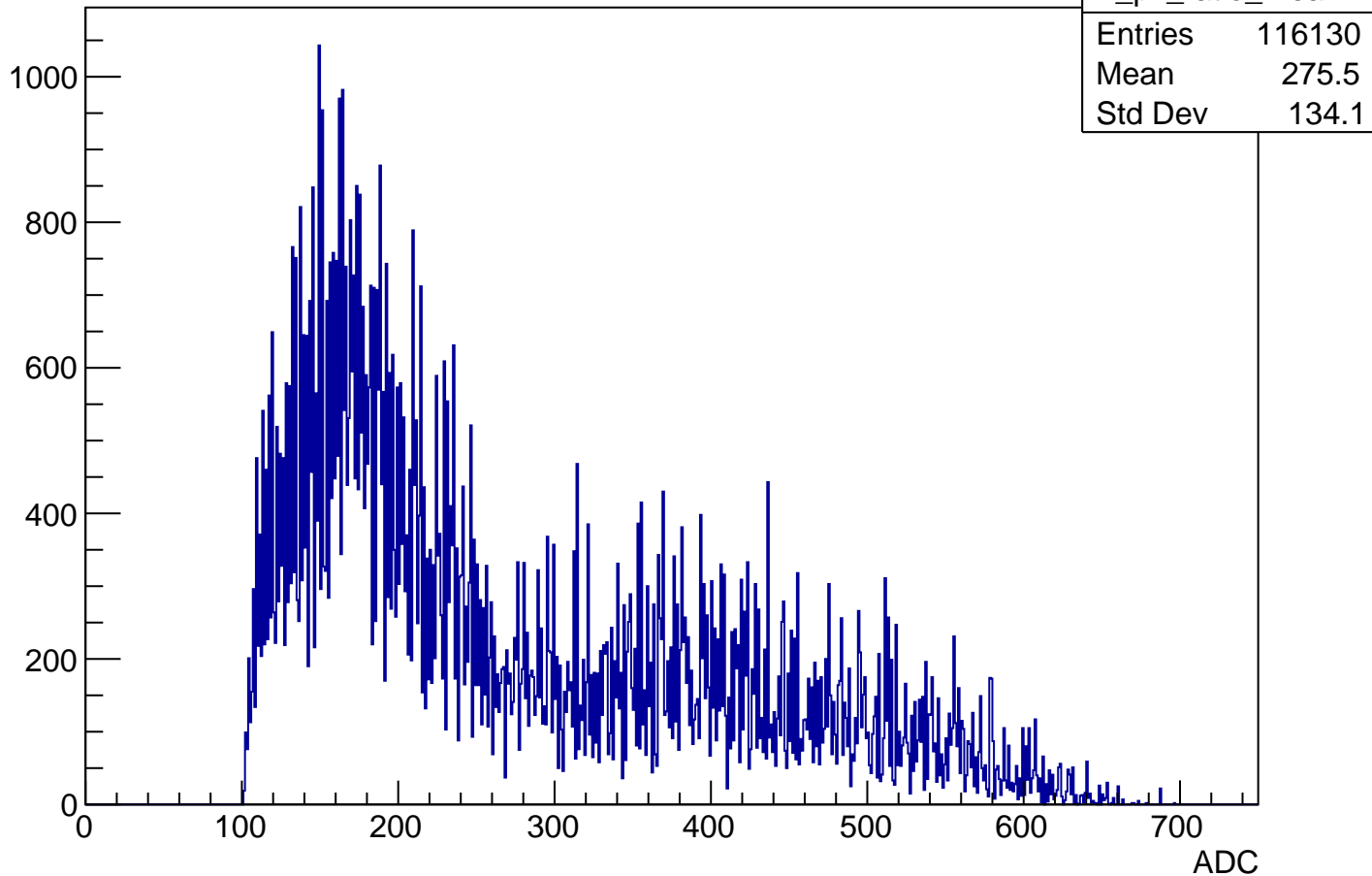
APV5 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



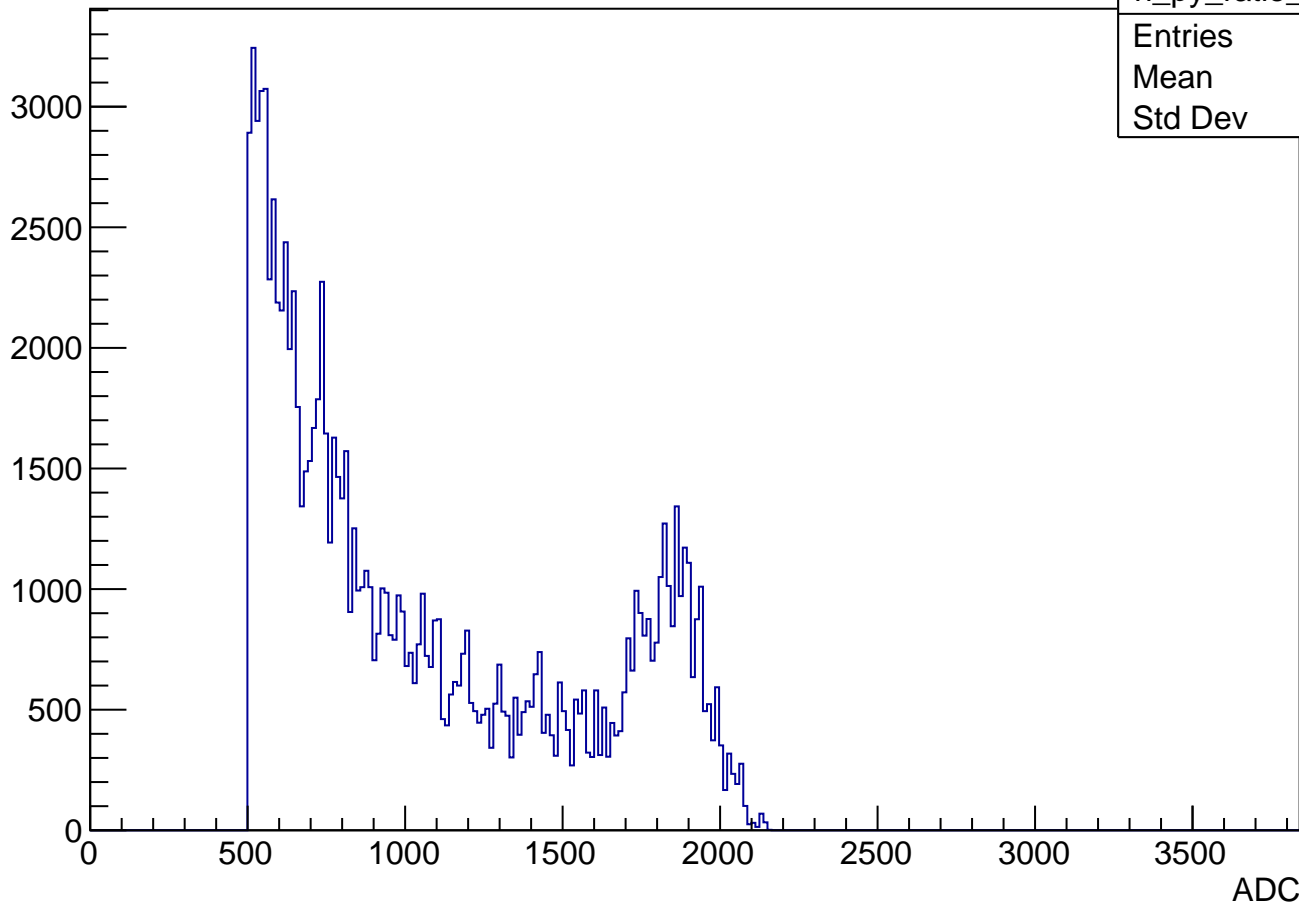
ADC of Numerator

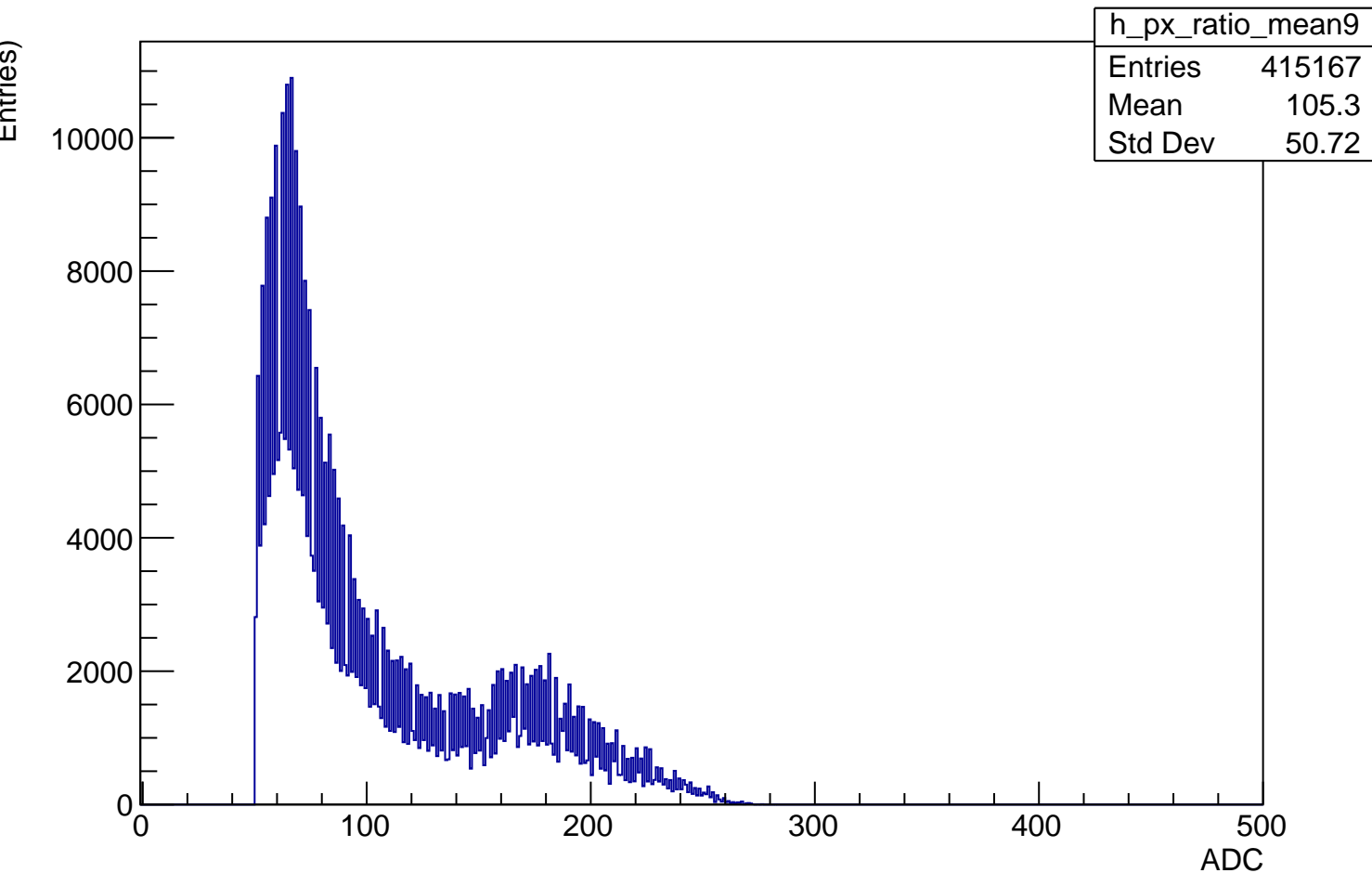


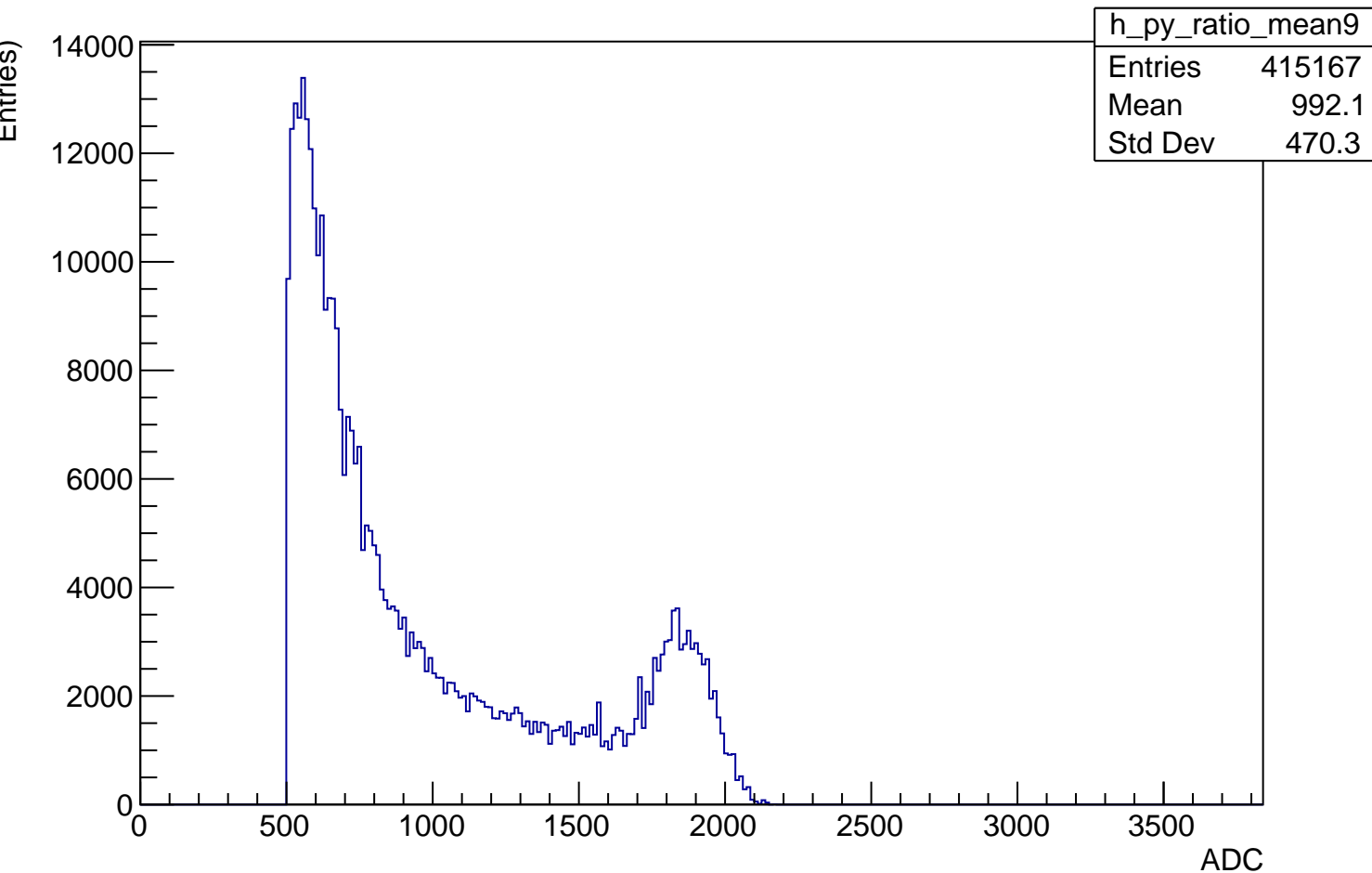
Entries

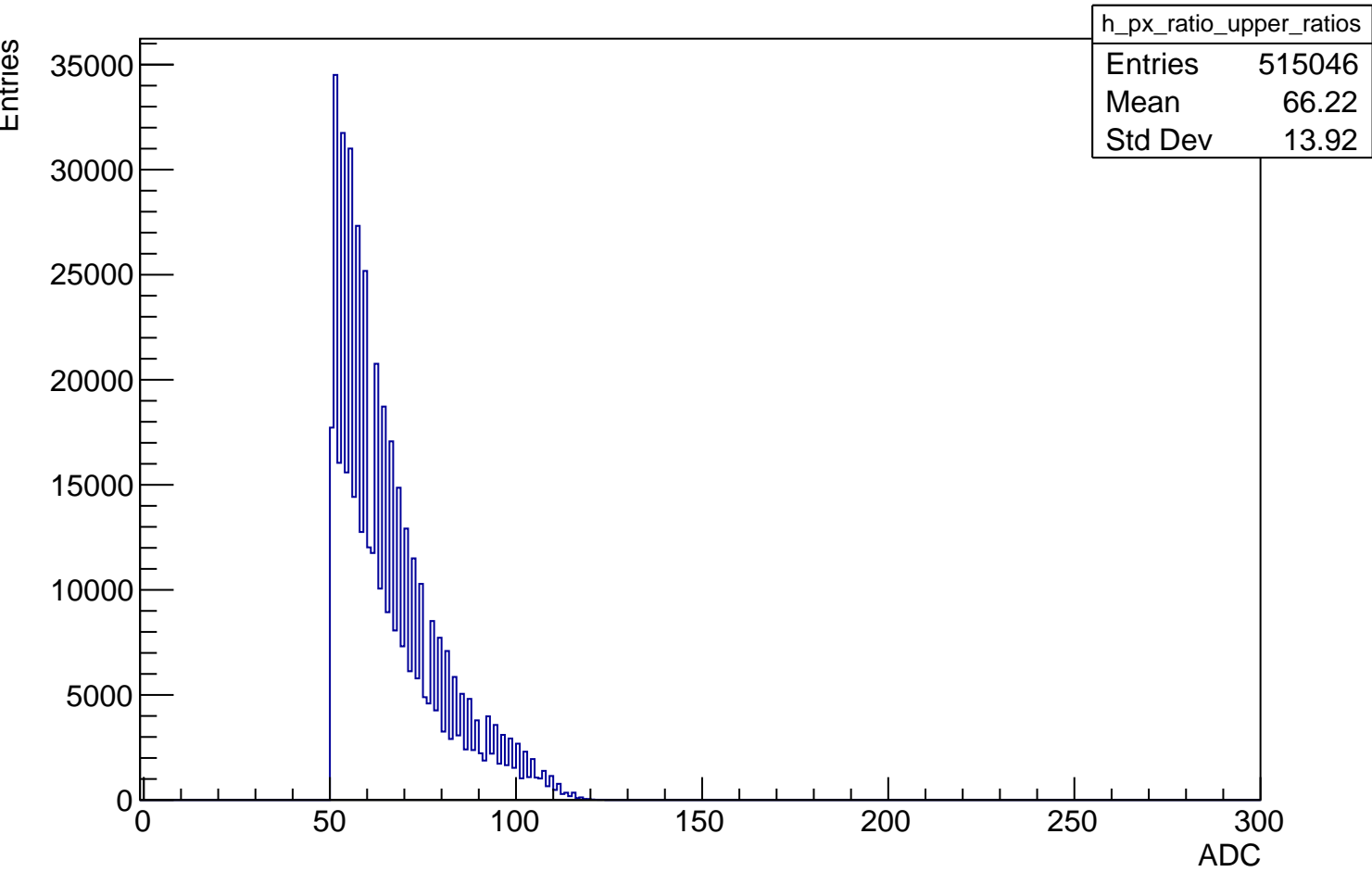


Entries

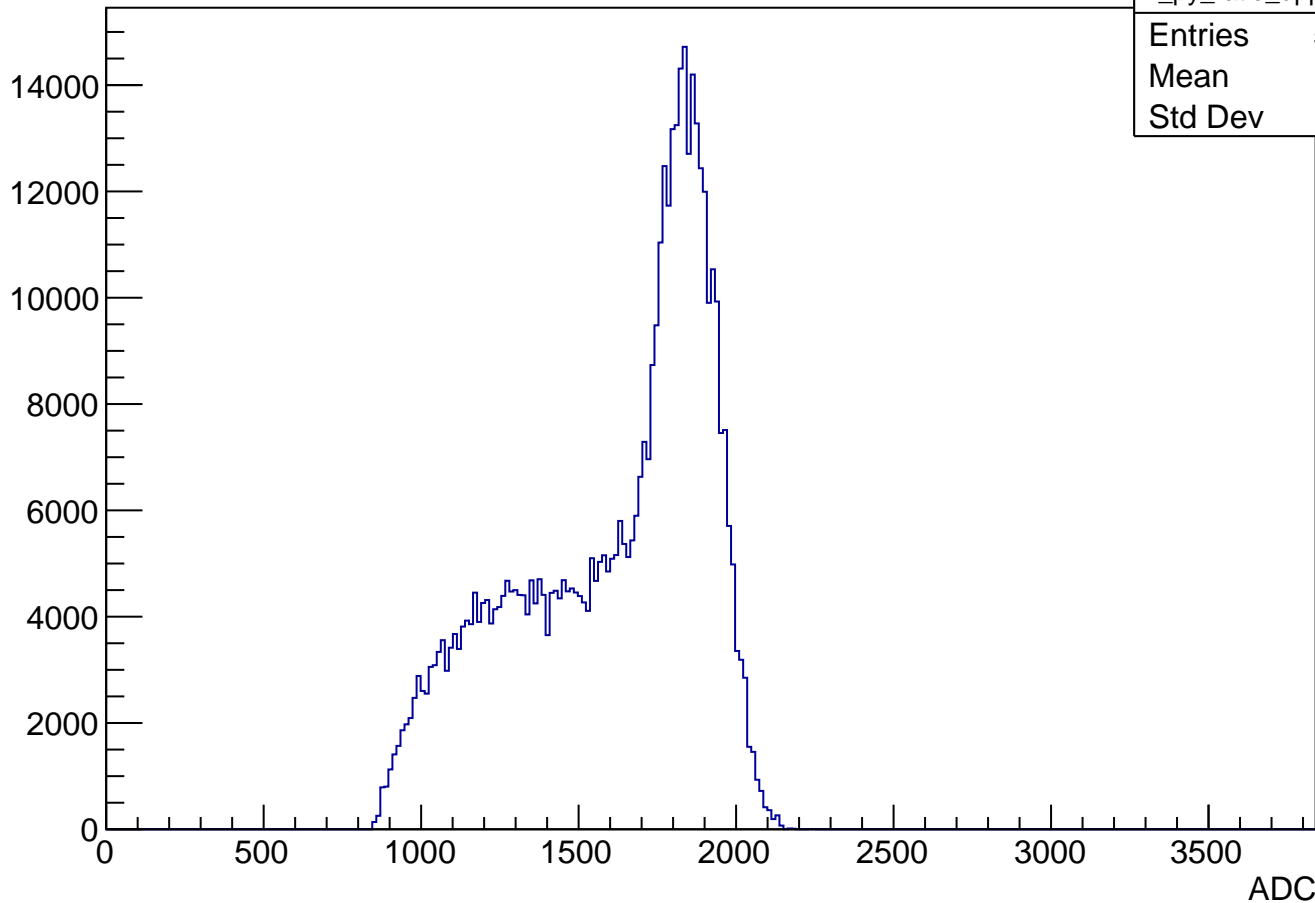








Entries



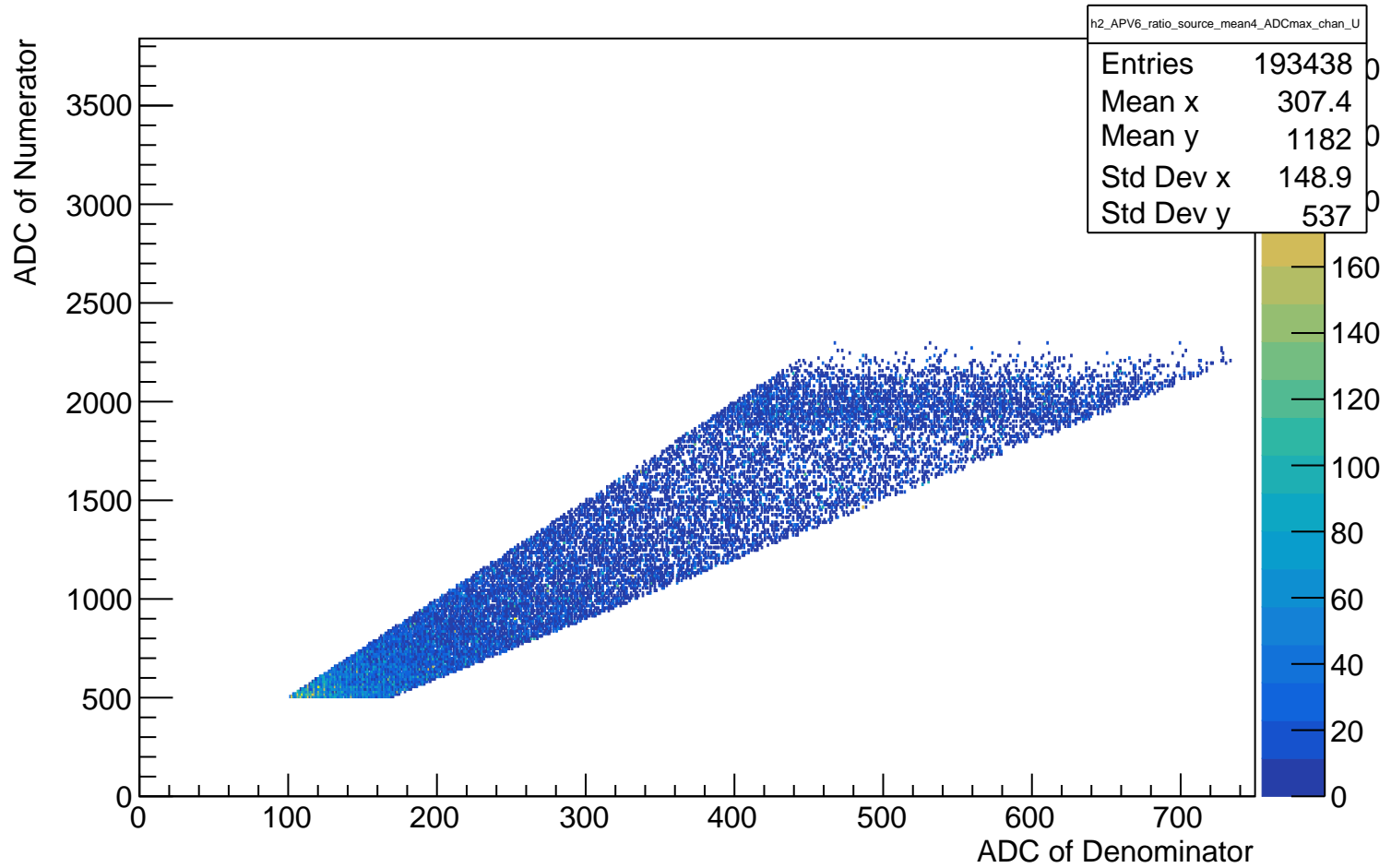
h_py_ratio_upper_ratios

Entries 515046

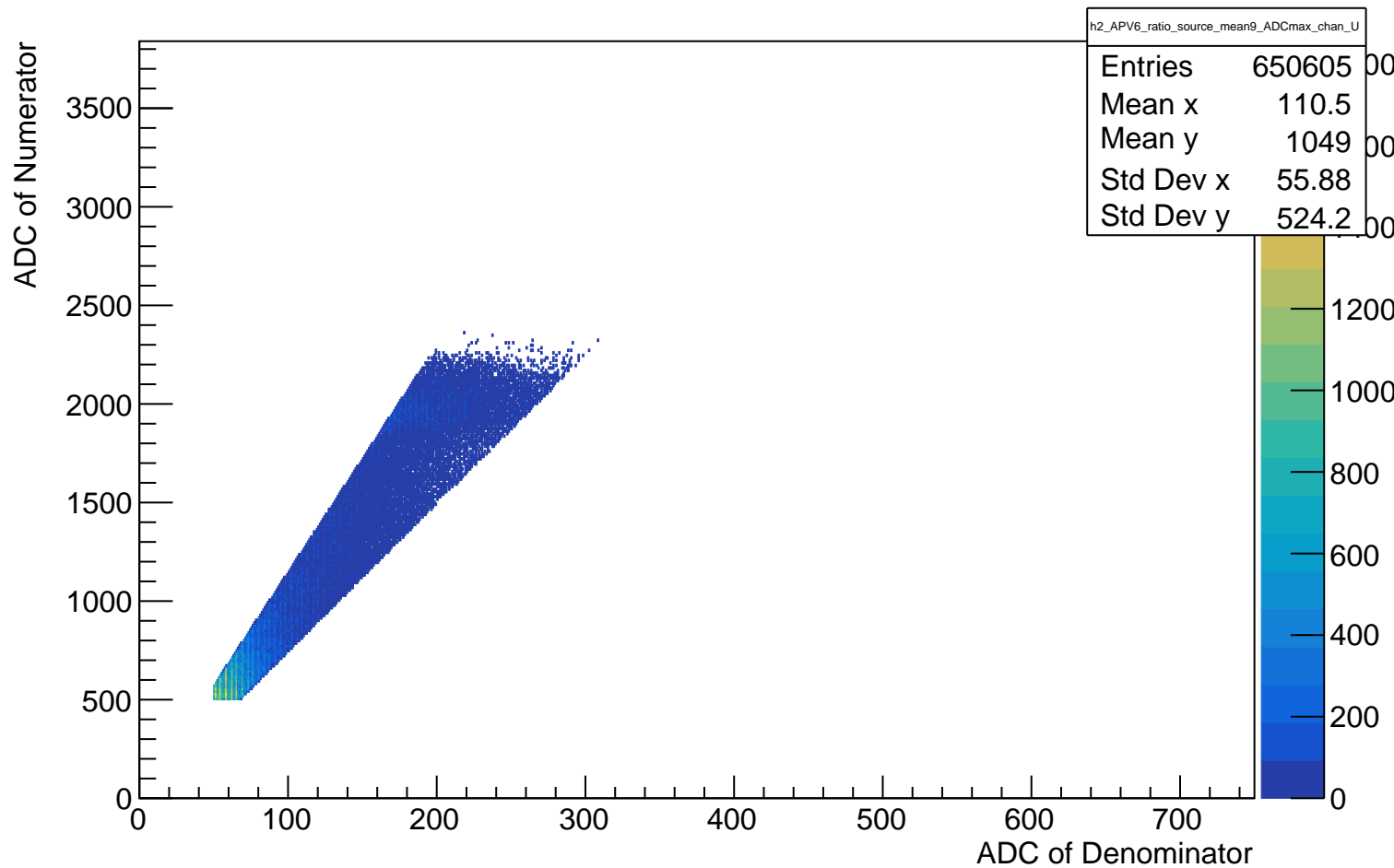
Mean 1606

Std Dev 302.5

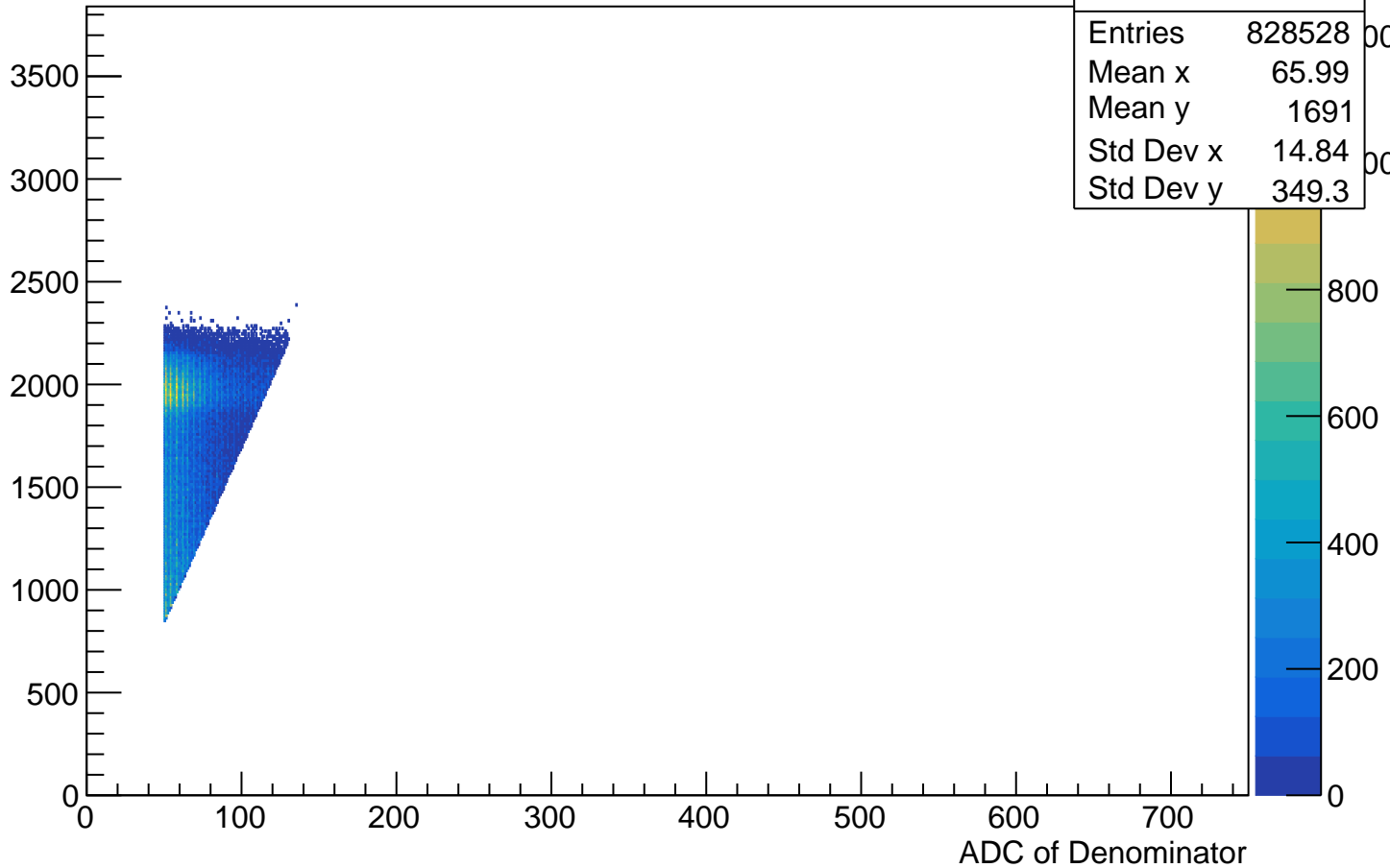
APV6 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



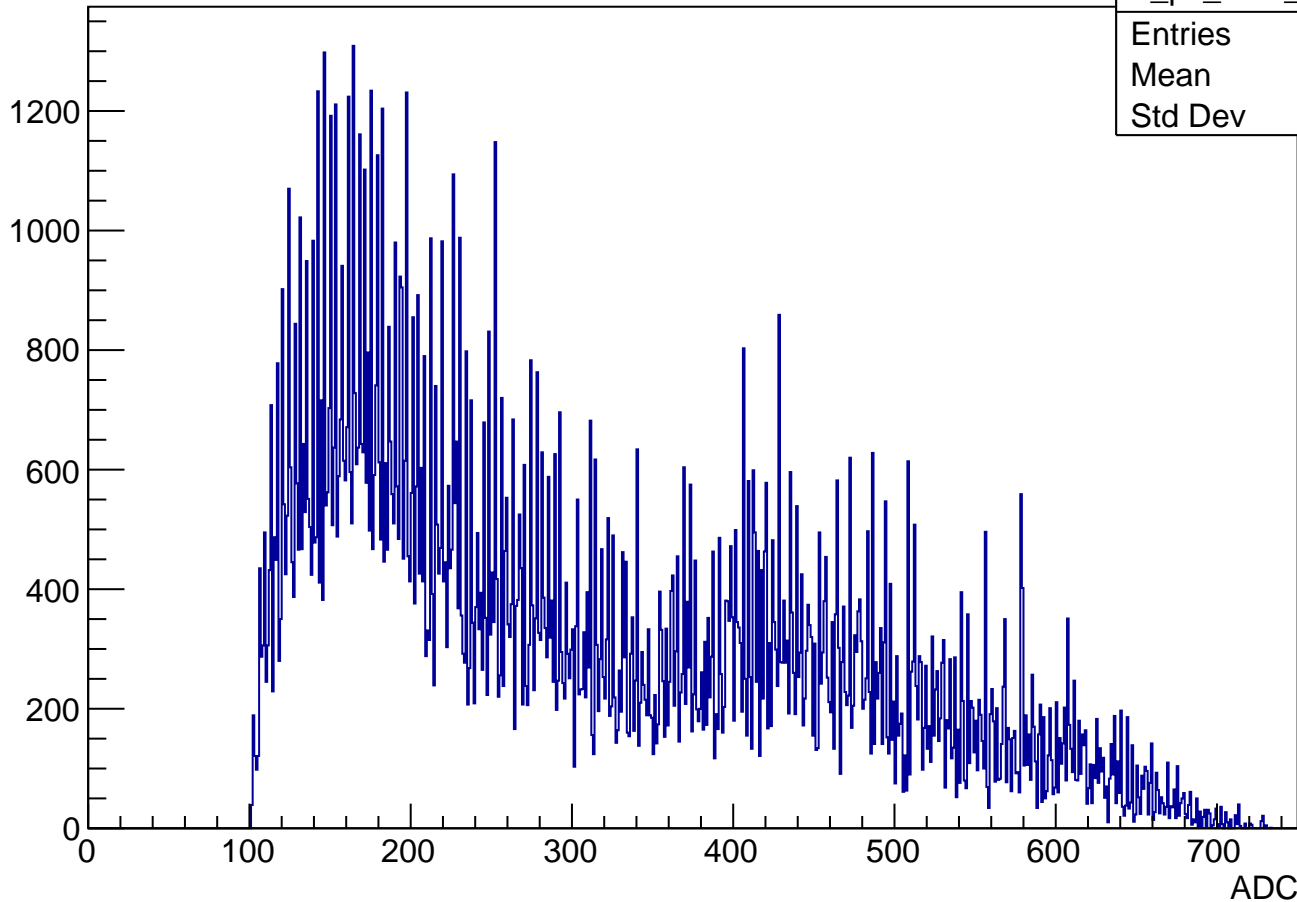
APV6 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



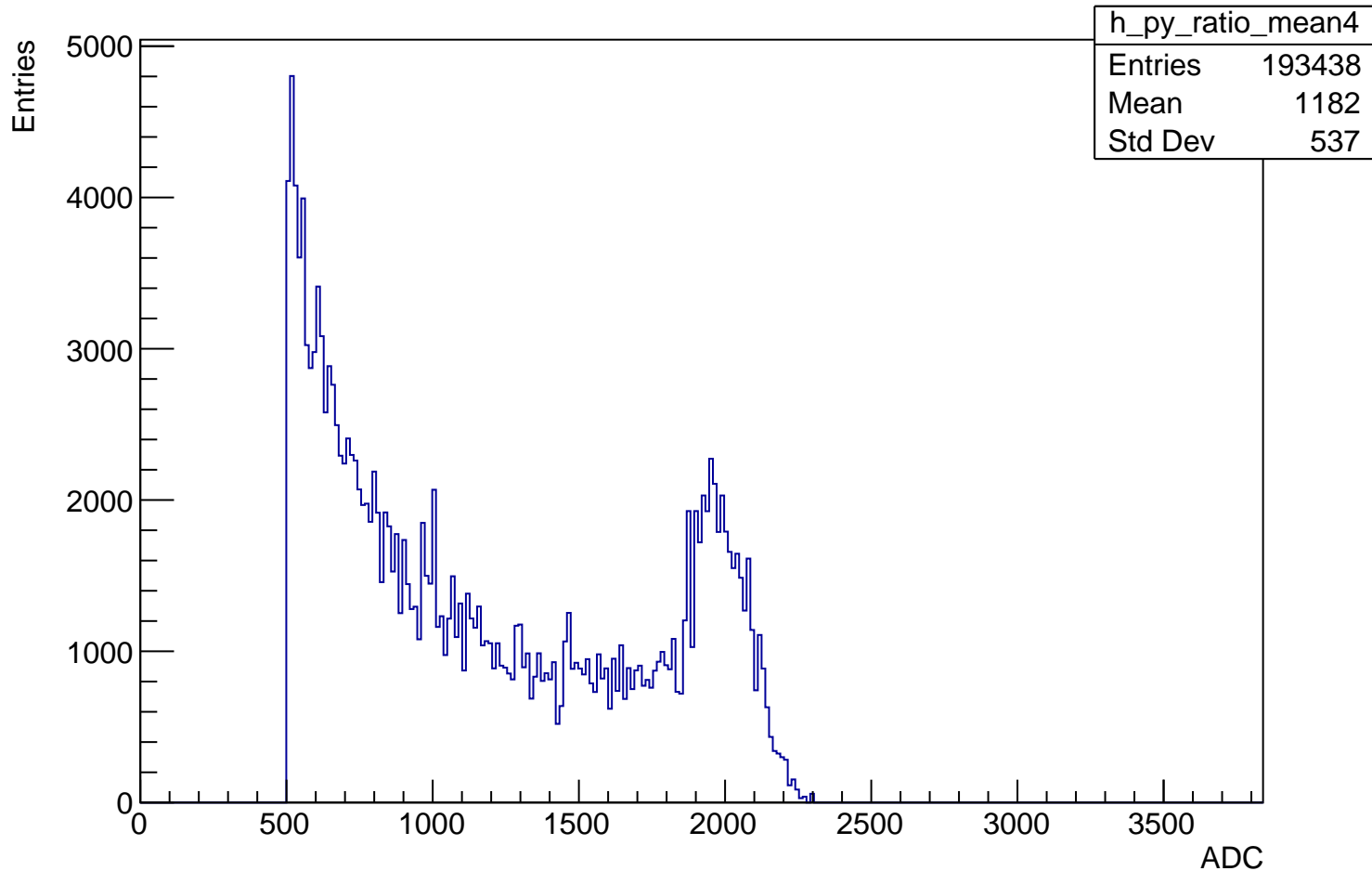
ADC of Numerator

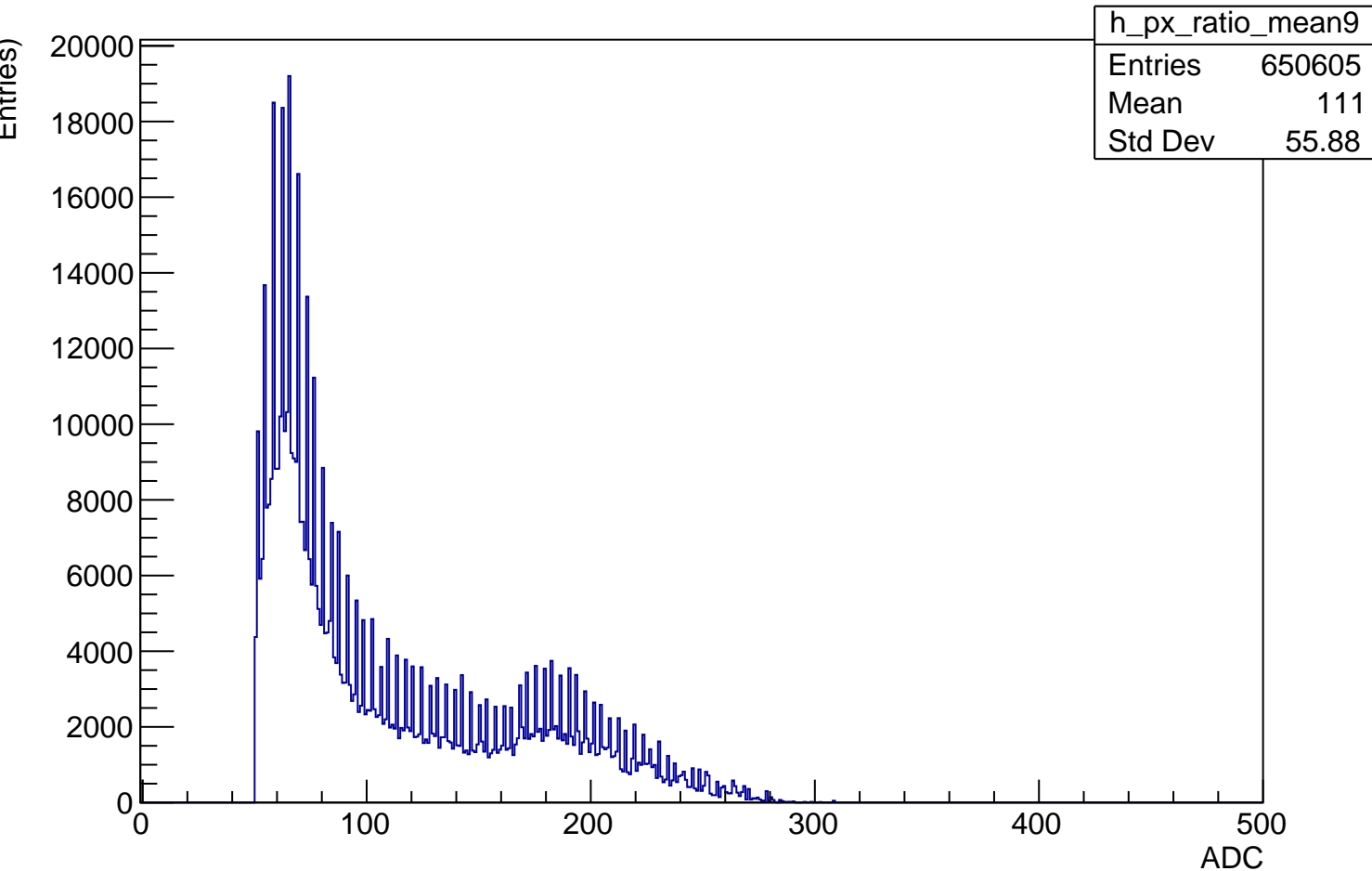


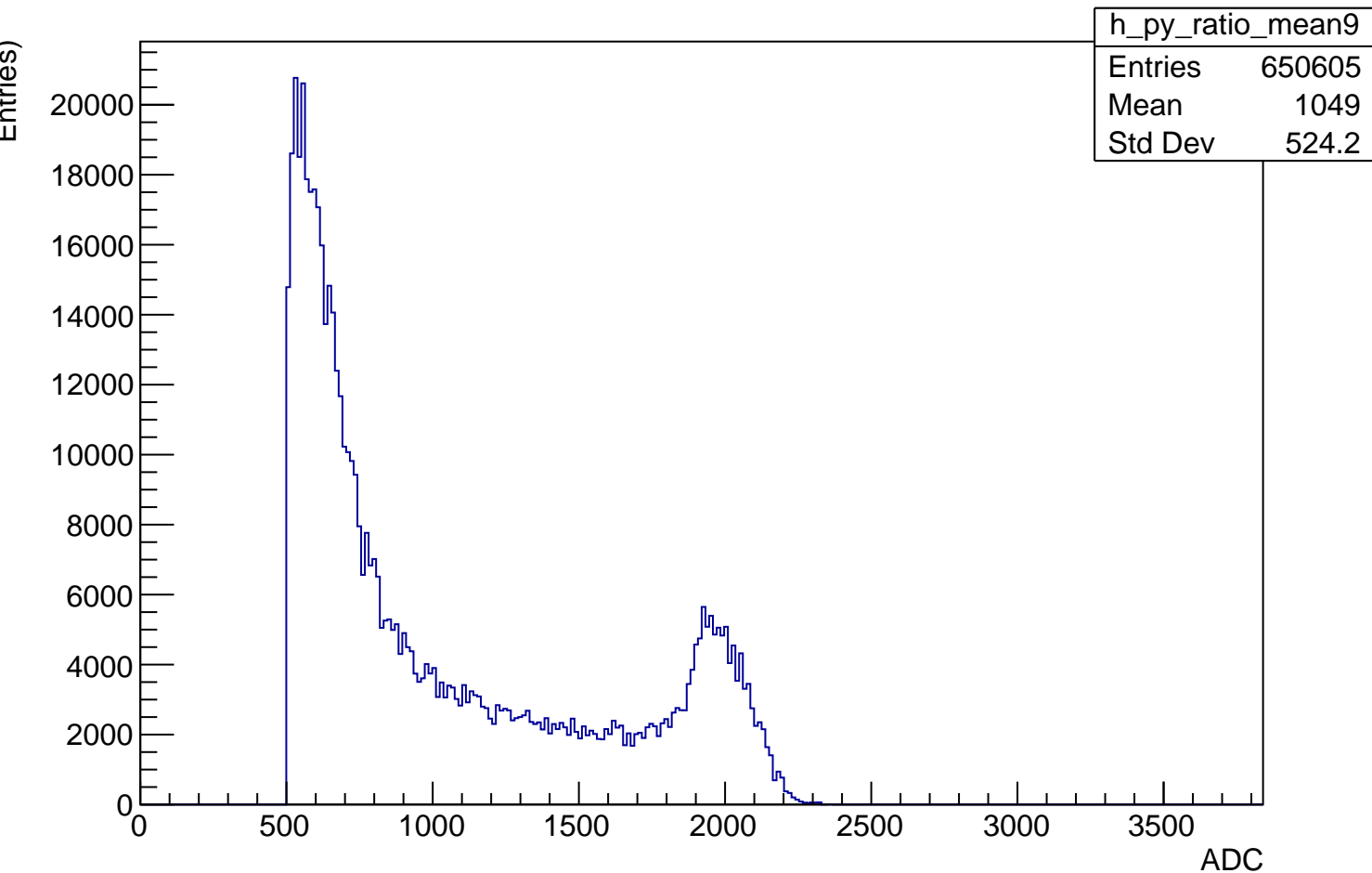
Entries

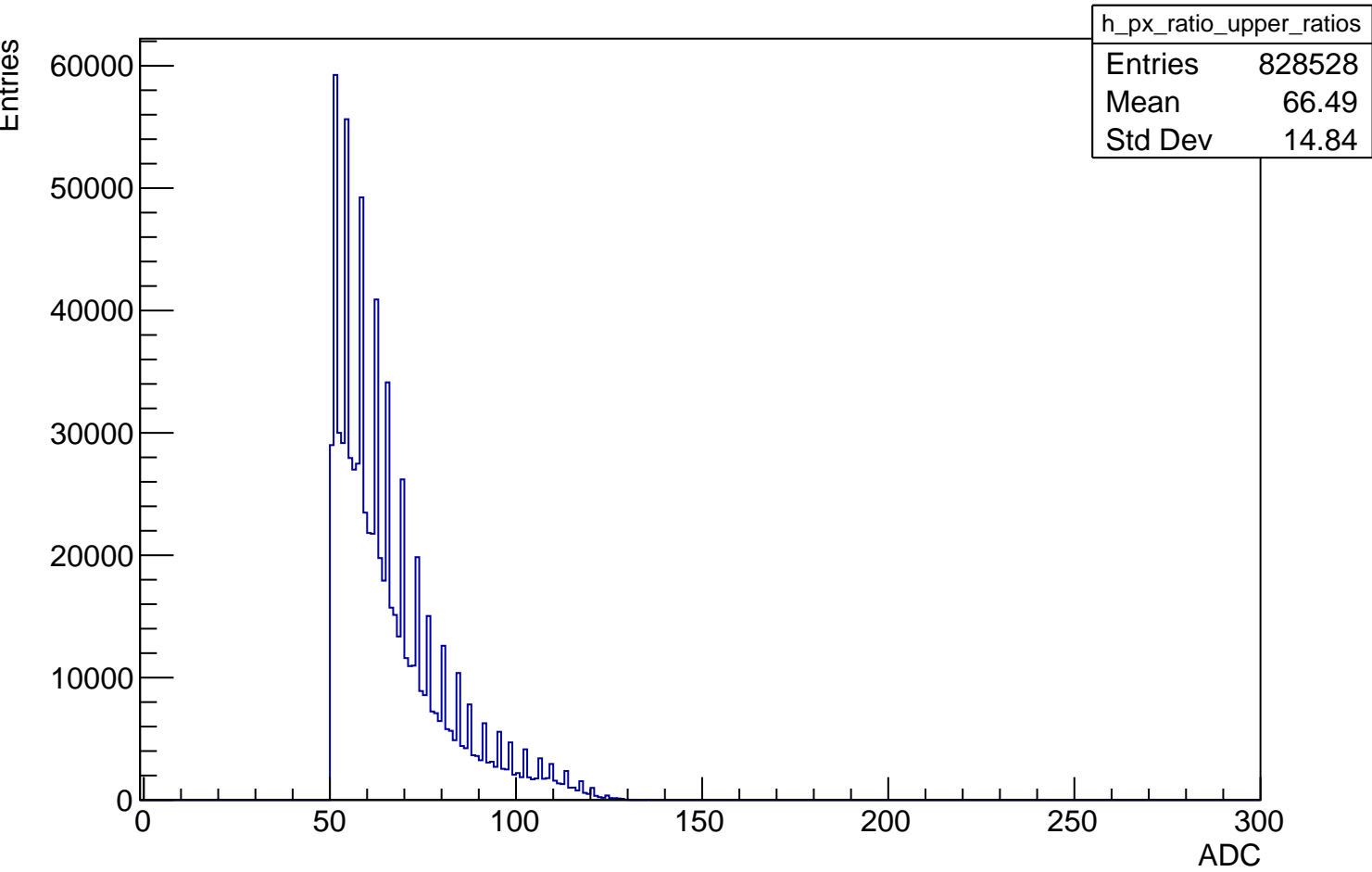


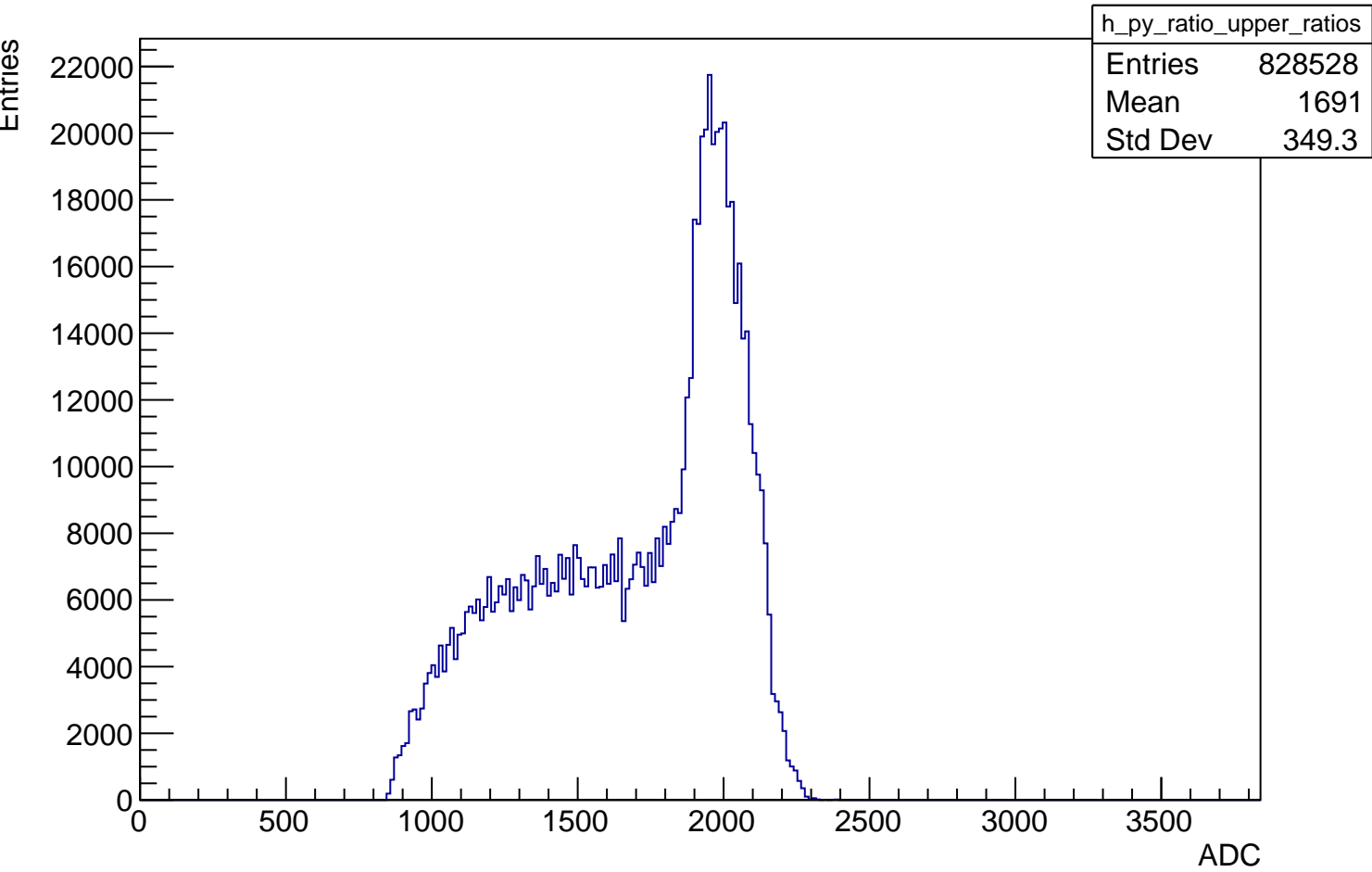
ADC





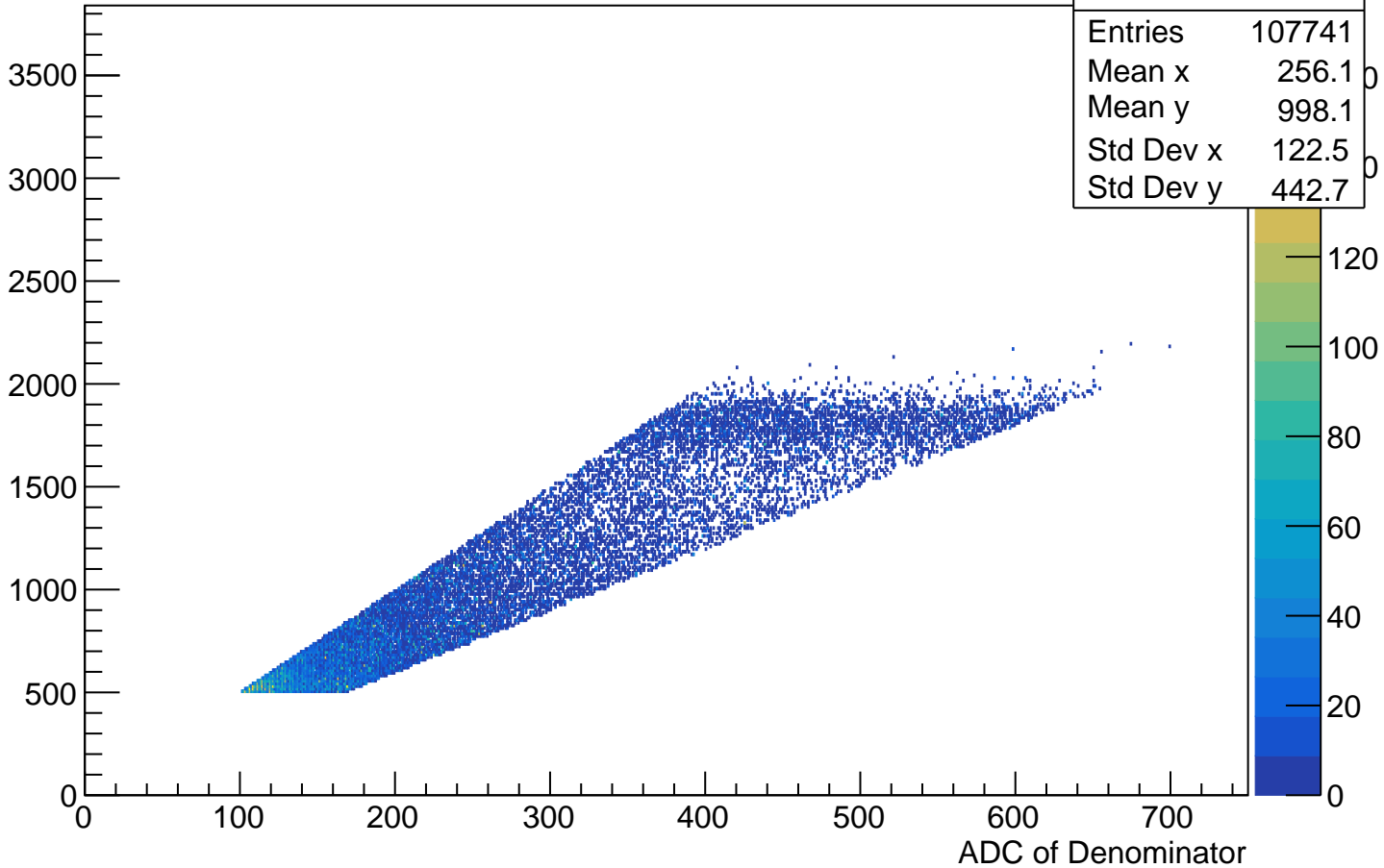




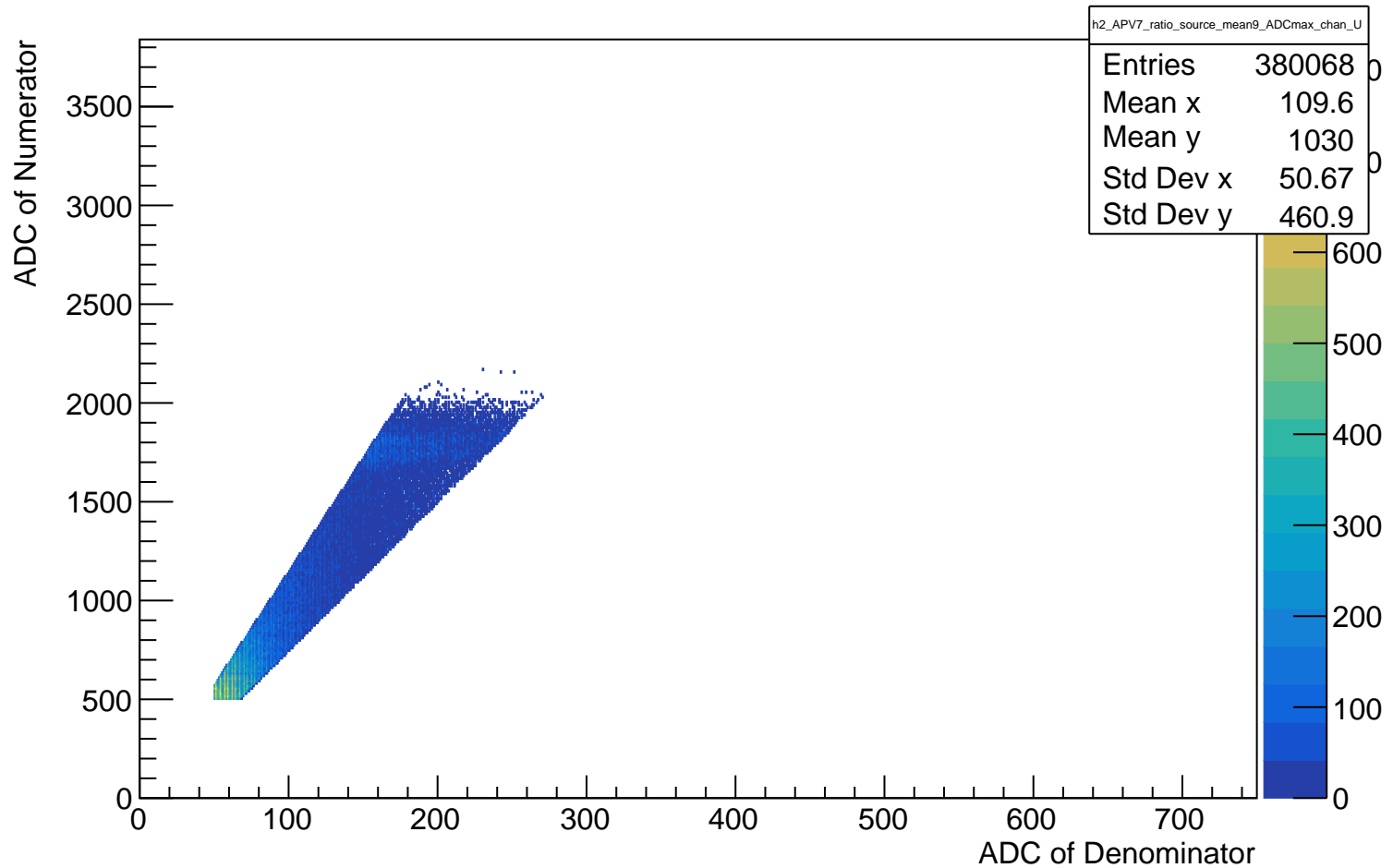


APV7 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

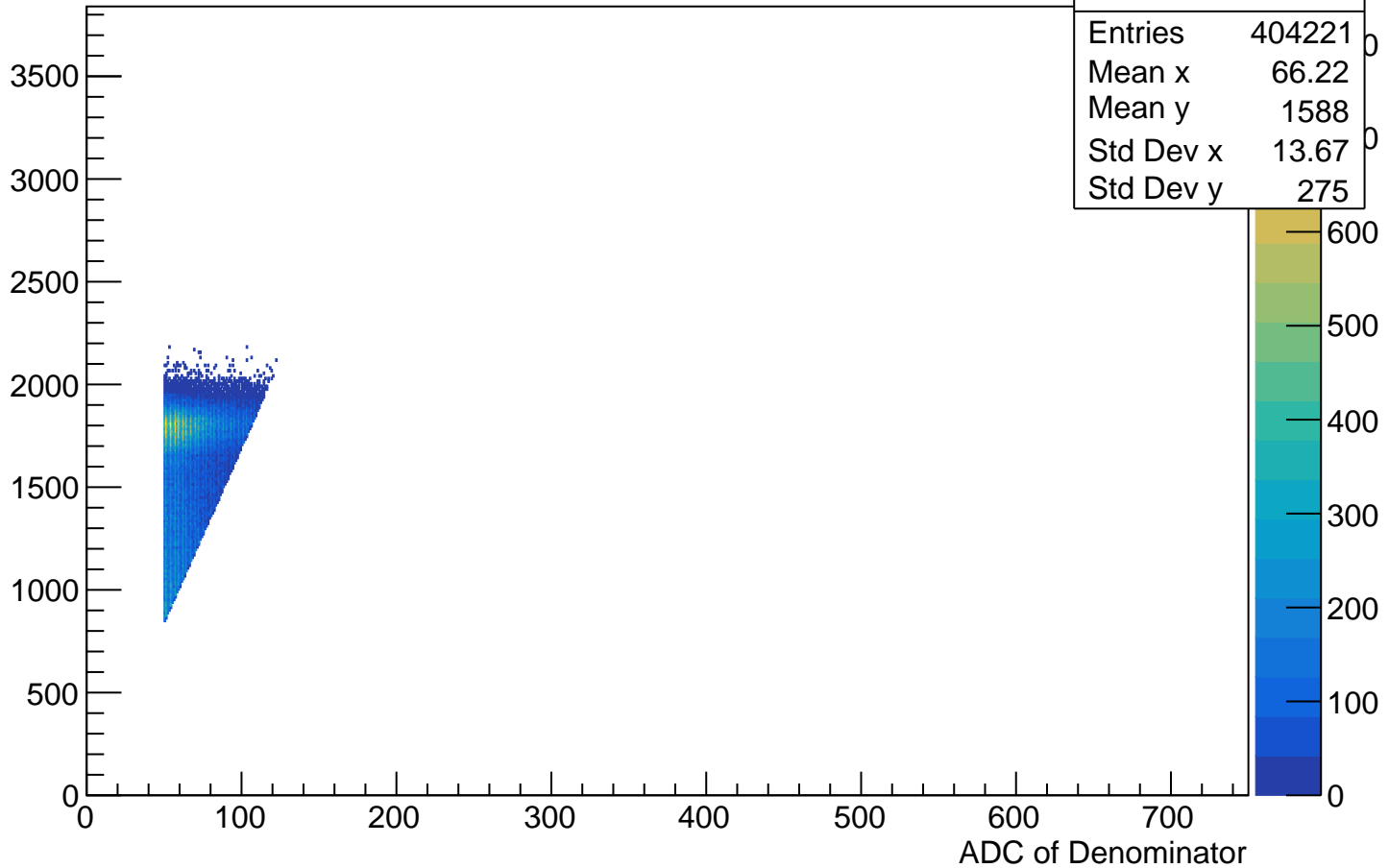
ADC of Numerator



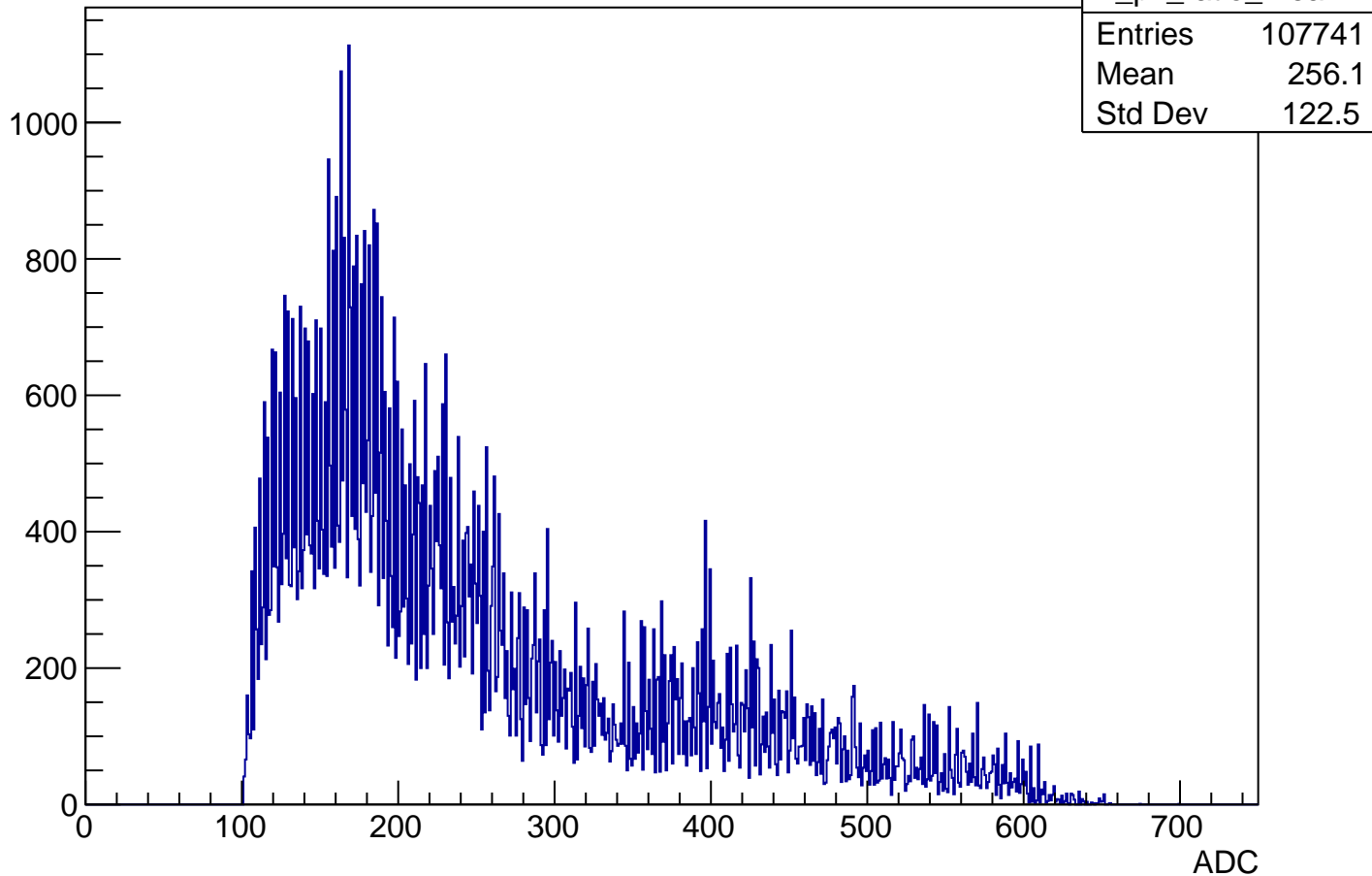
APV7 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



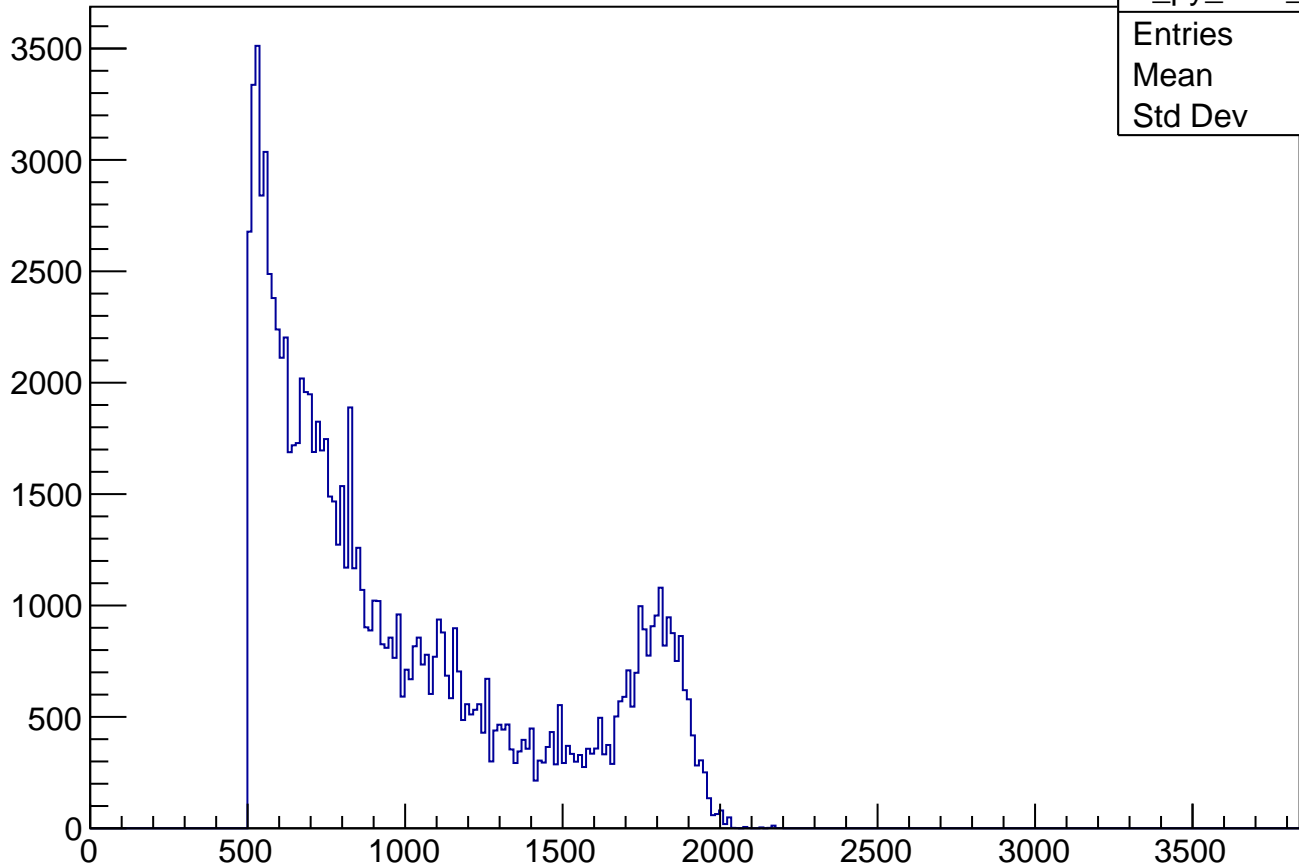
ADC of Numerator



Entries



Entries



h_py_ratio_mean4

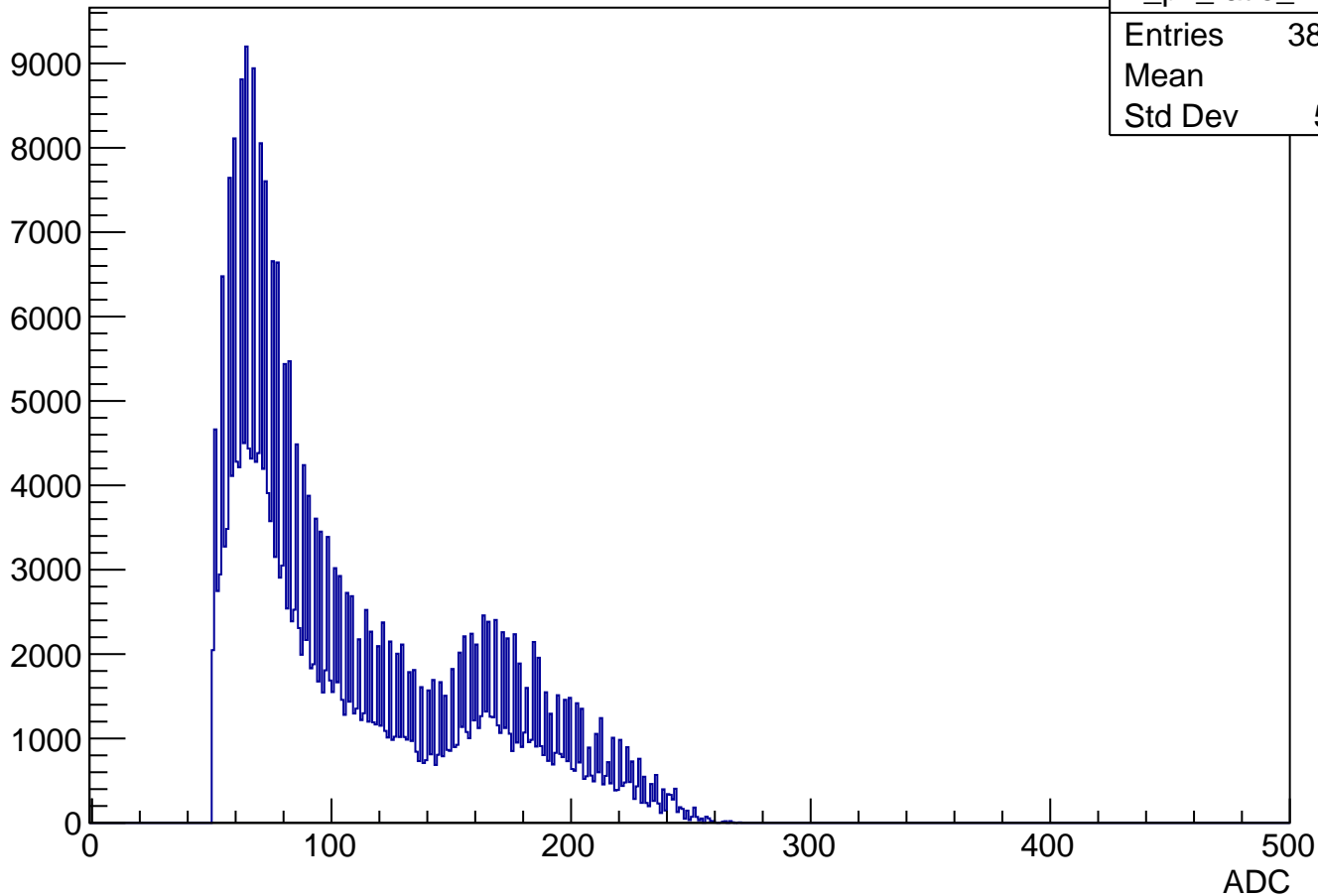
Entries 107741

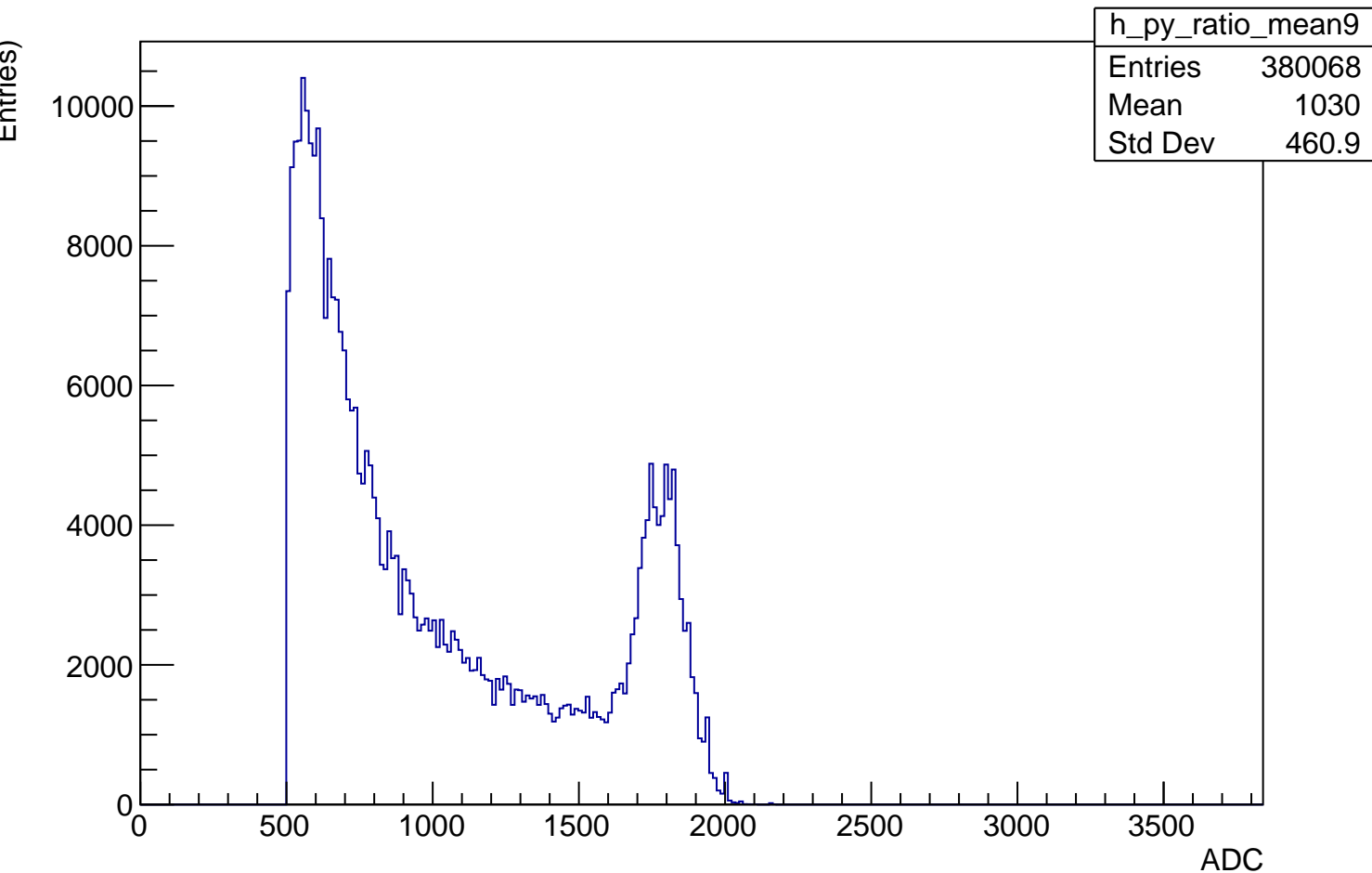
Mean 998.1

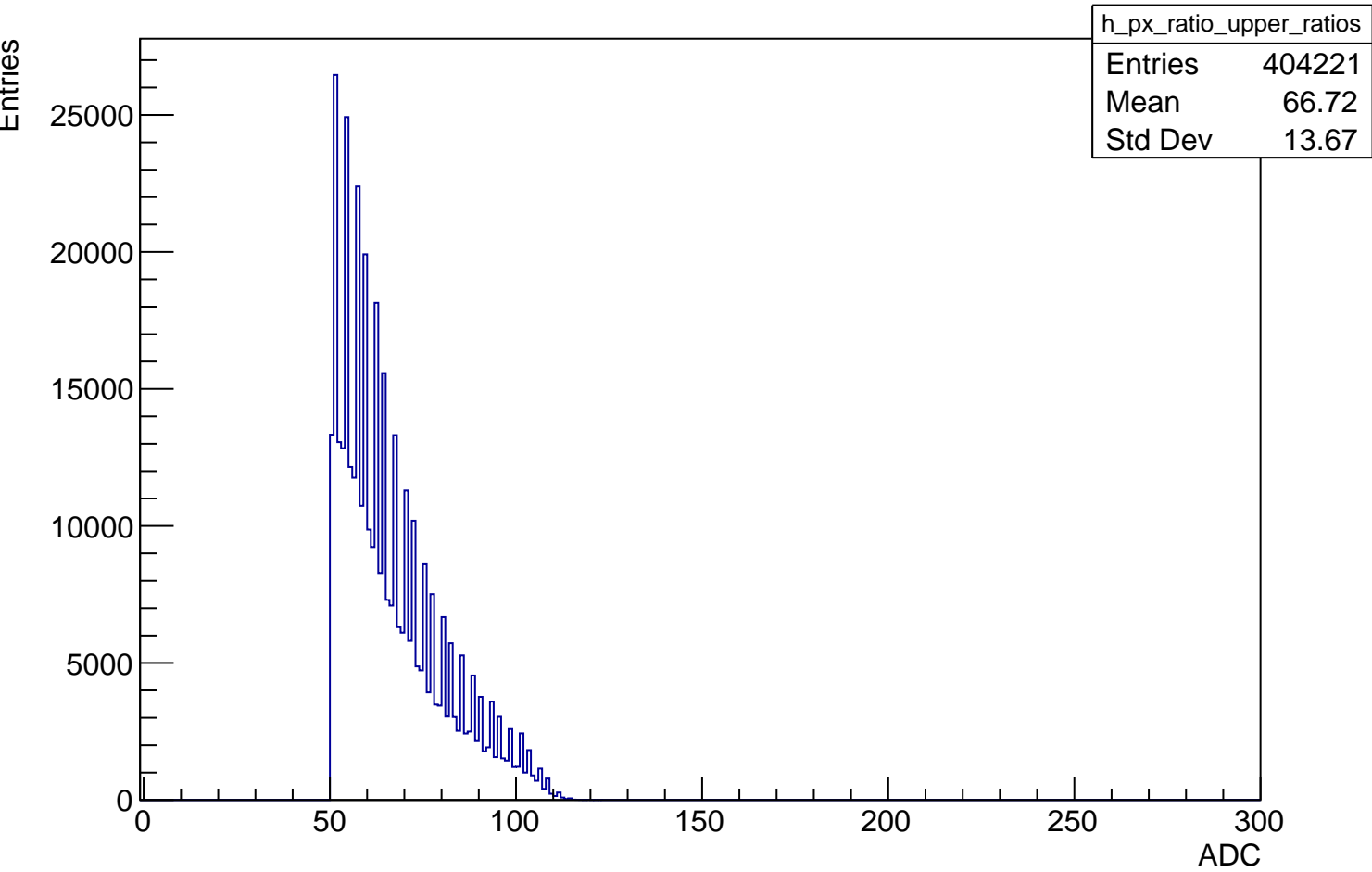
Std Dev 442.7

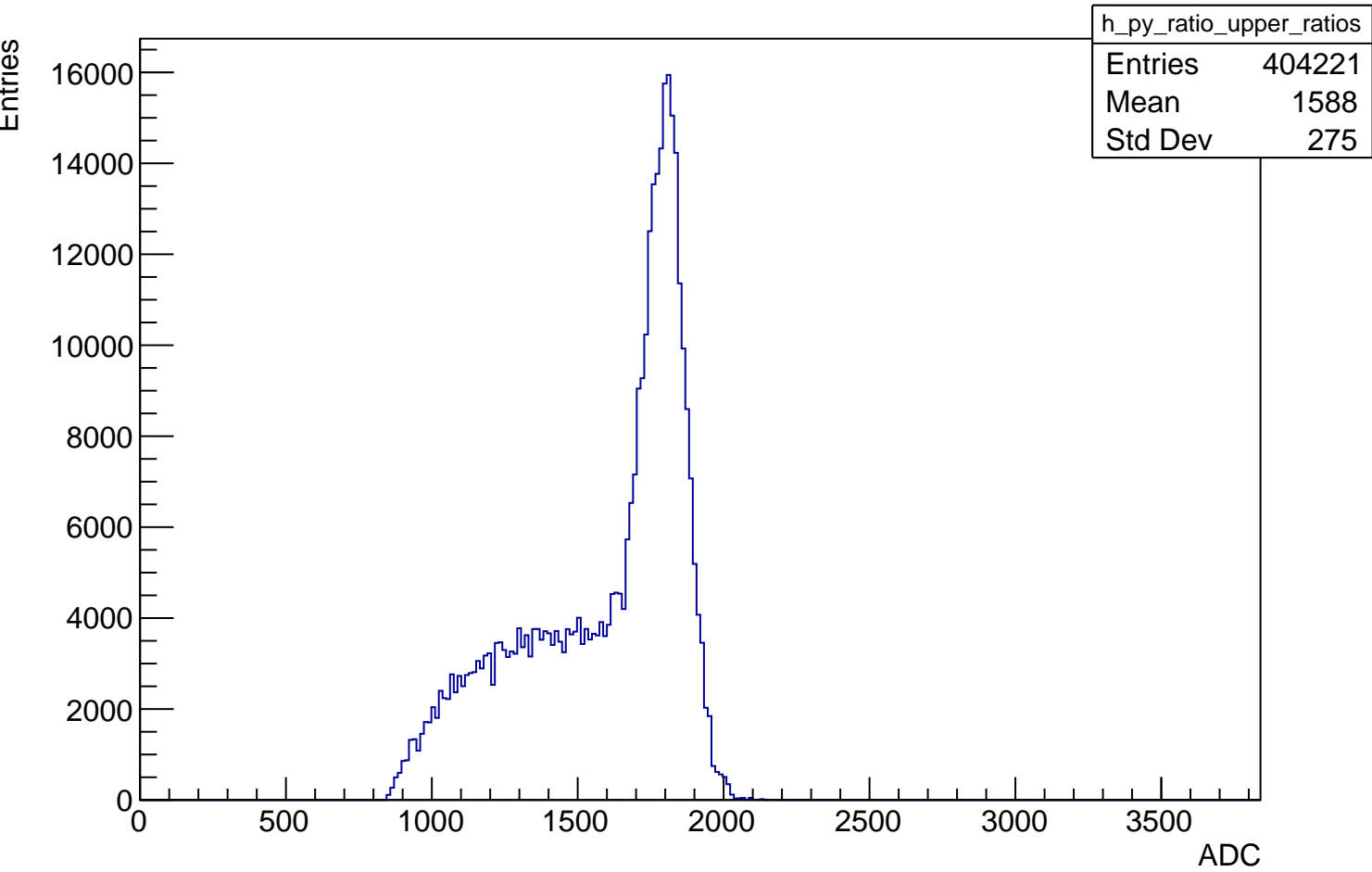
ADC

Entries)



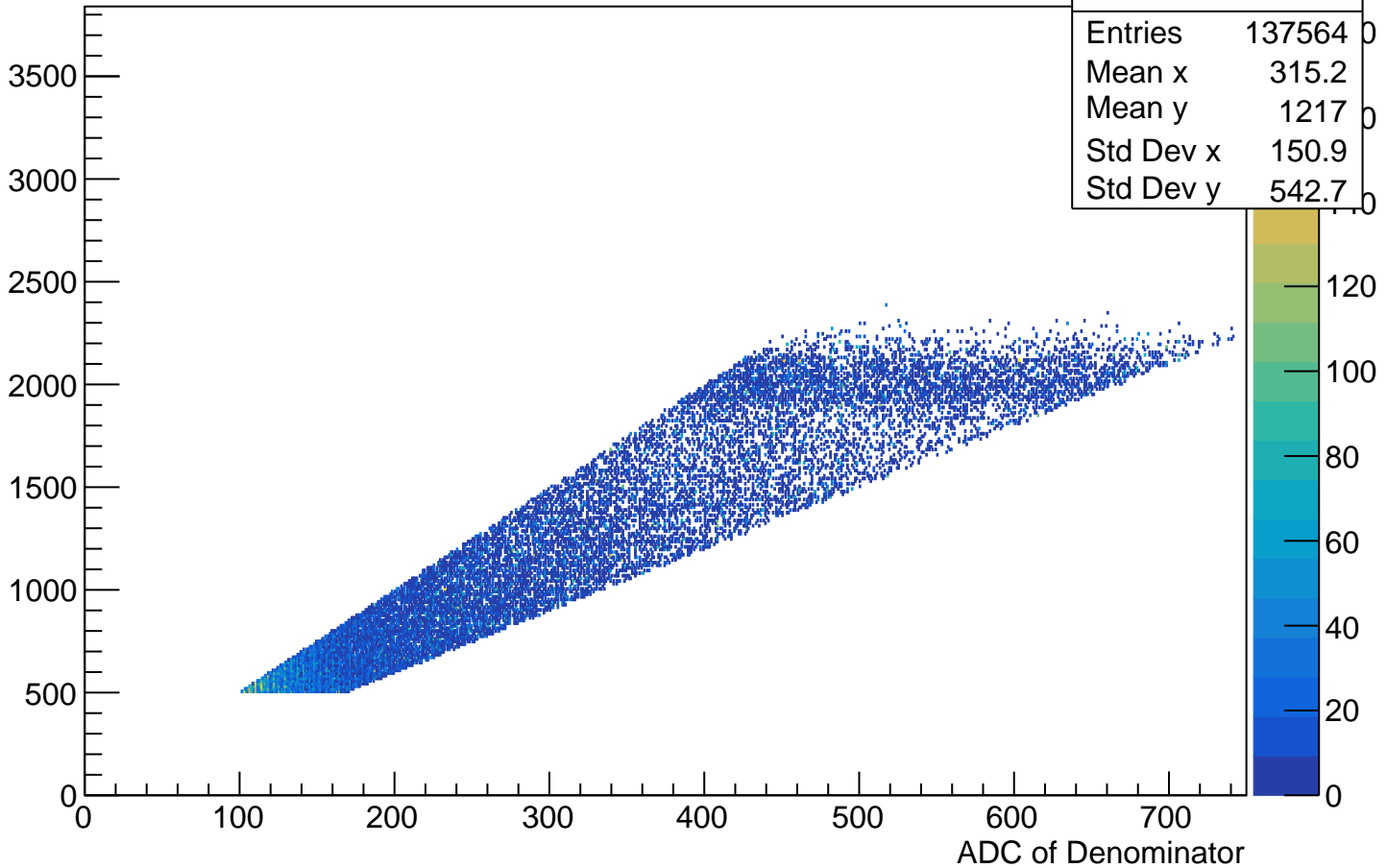




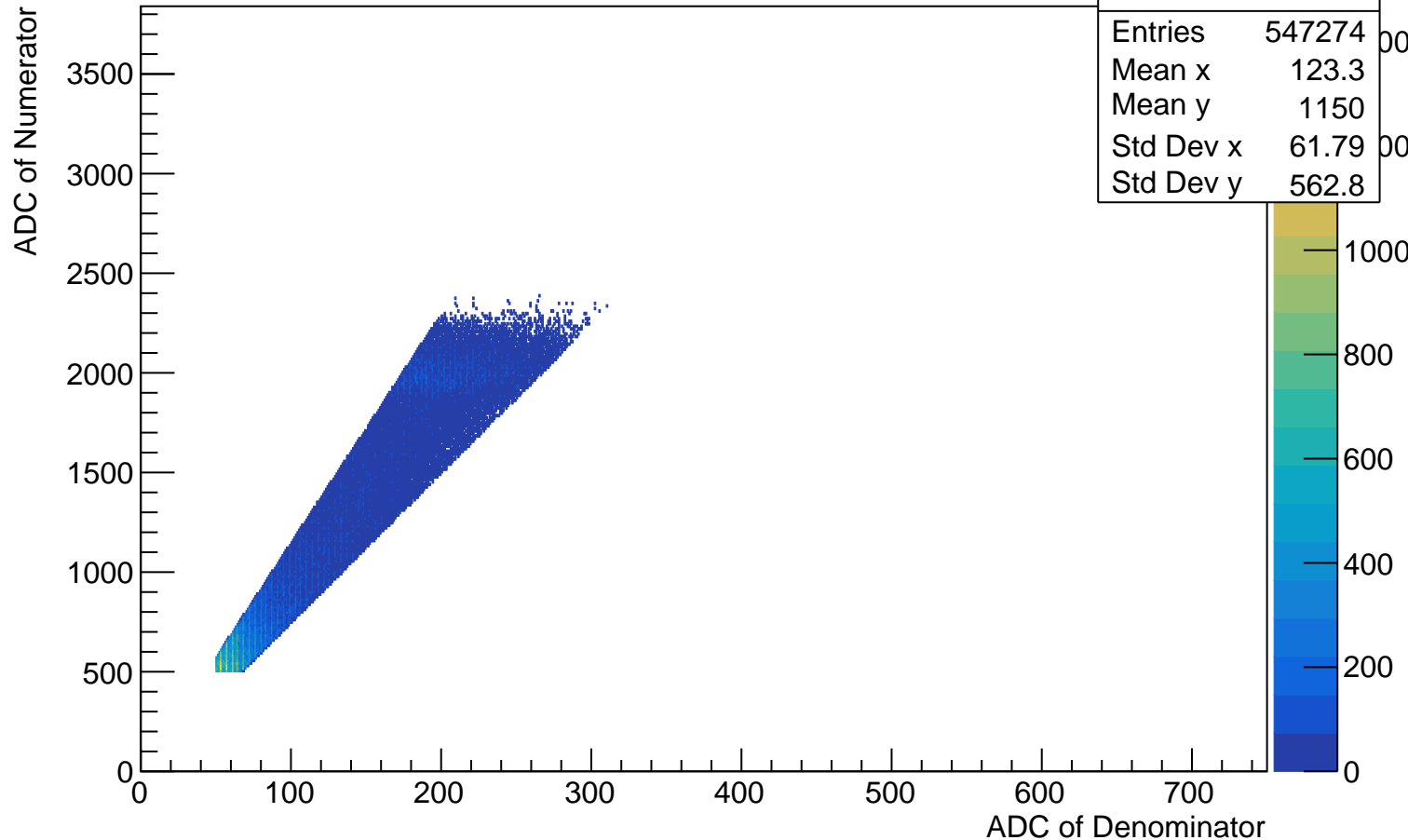


APV8 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

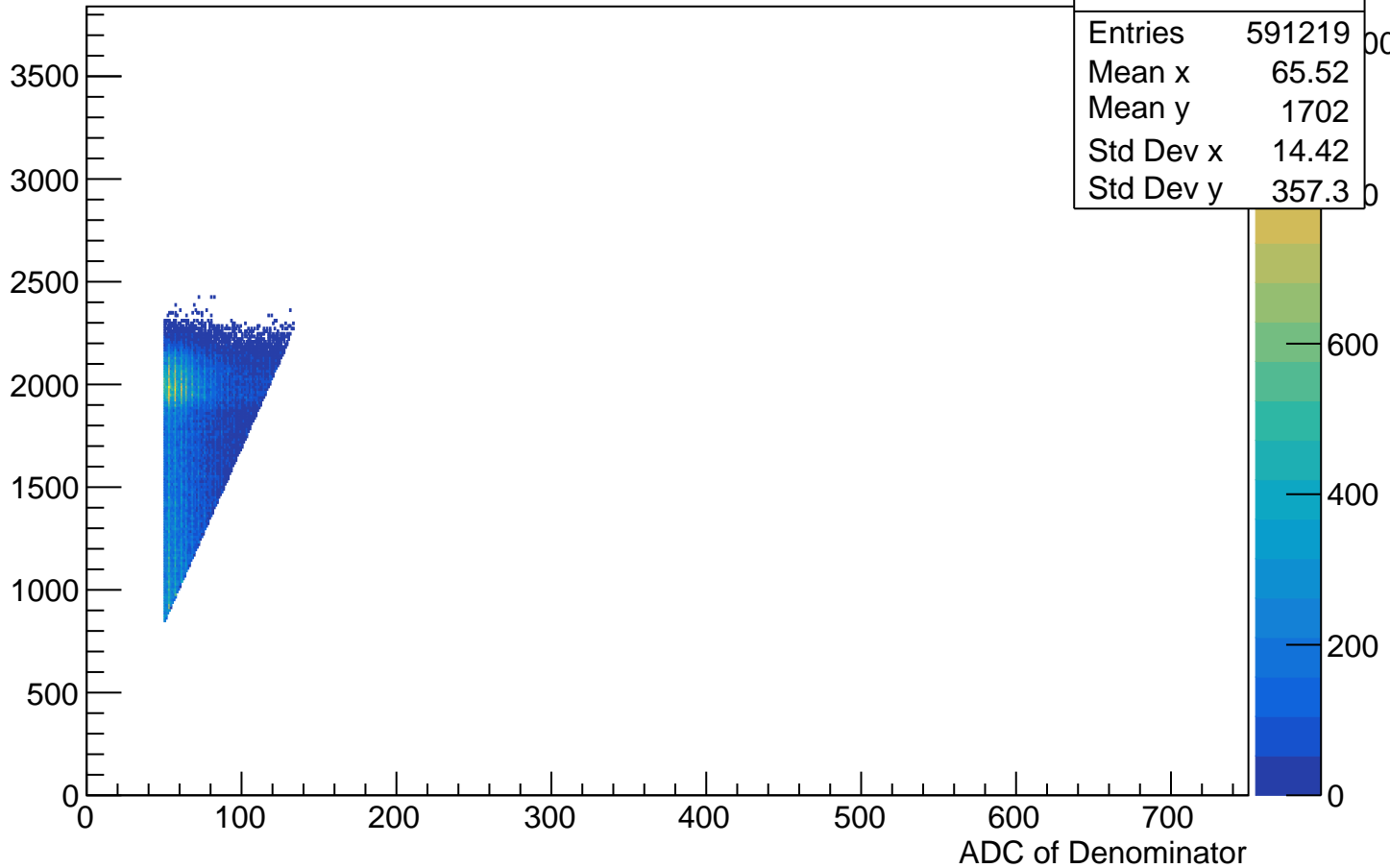
ADC of Numerator



APV8 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

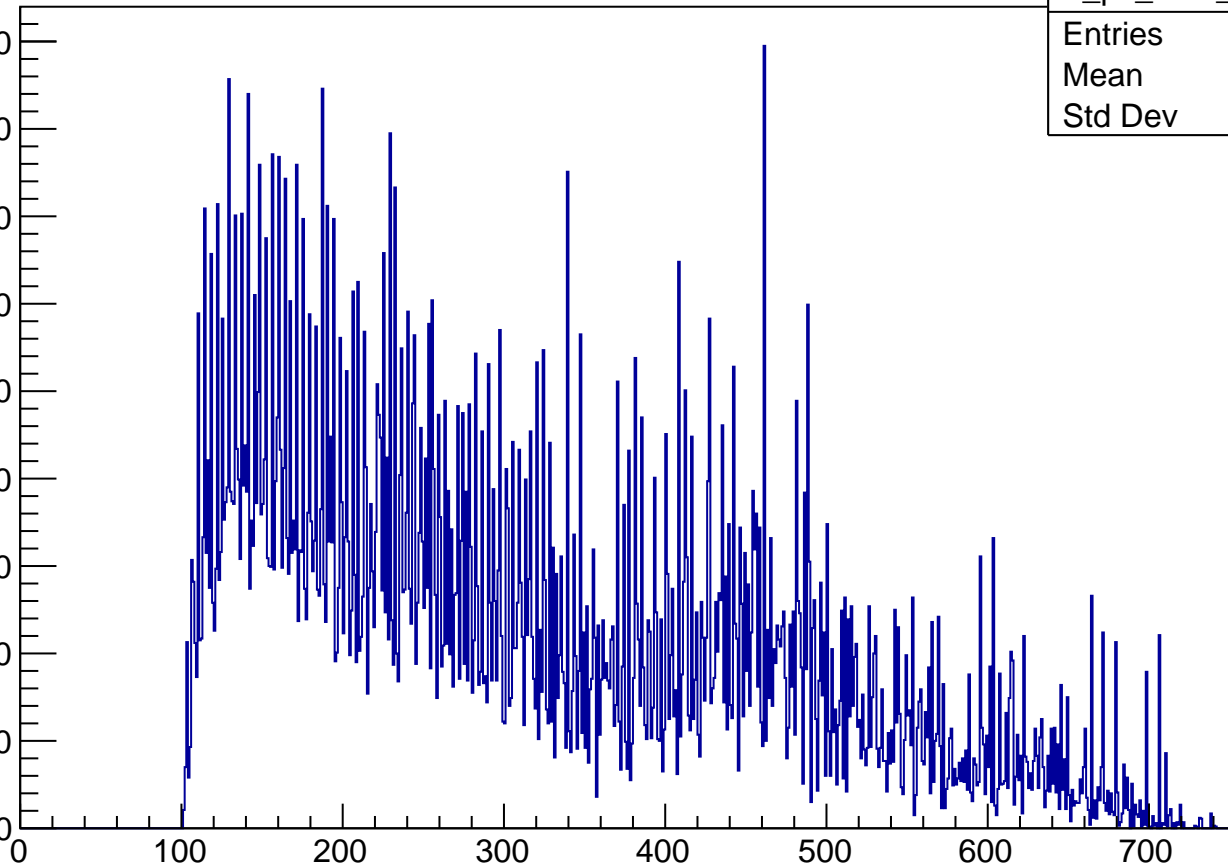


ADC of Numerator



Entries

900
800
700
600
500
400
300
200
100
0



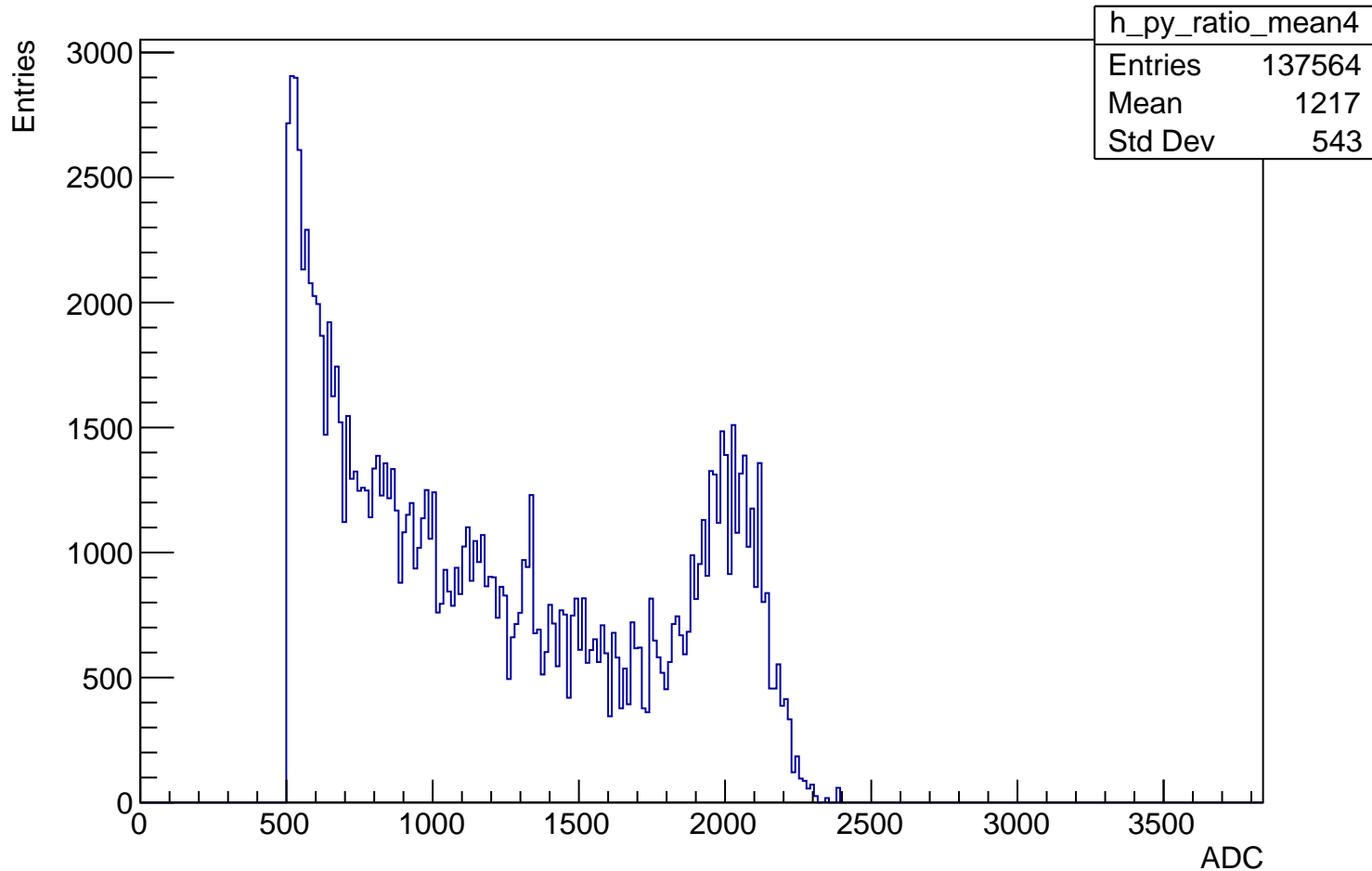
h_px_ratio_mean4

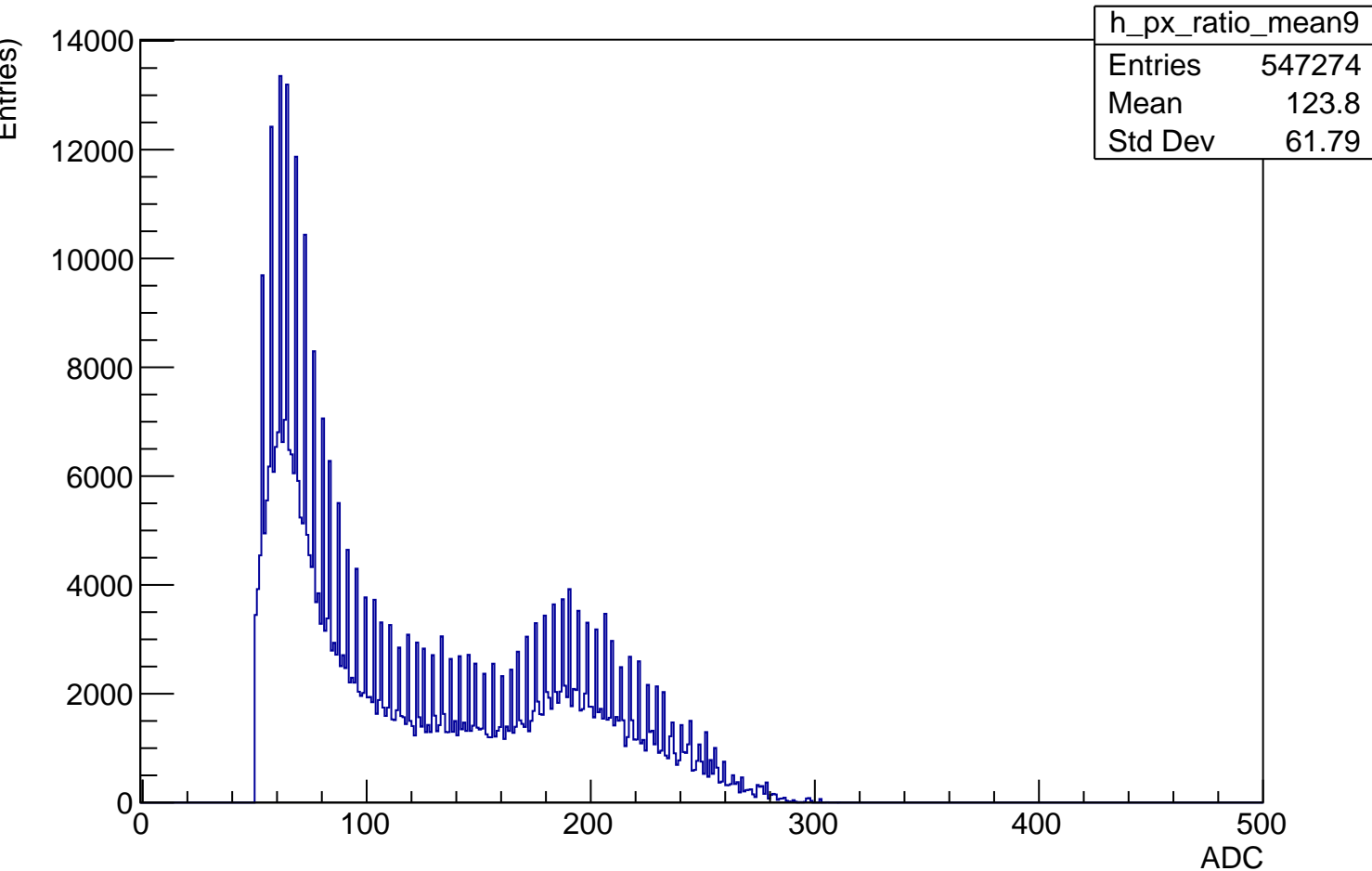
Entries 137564

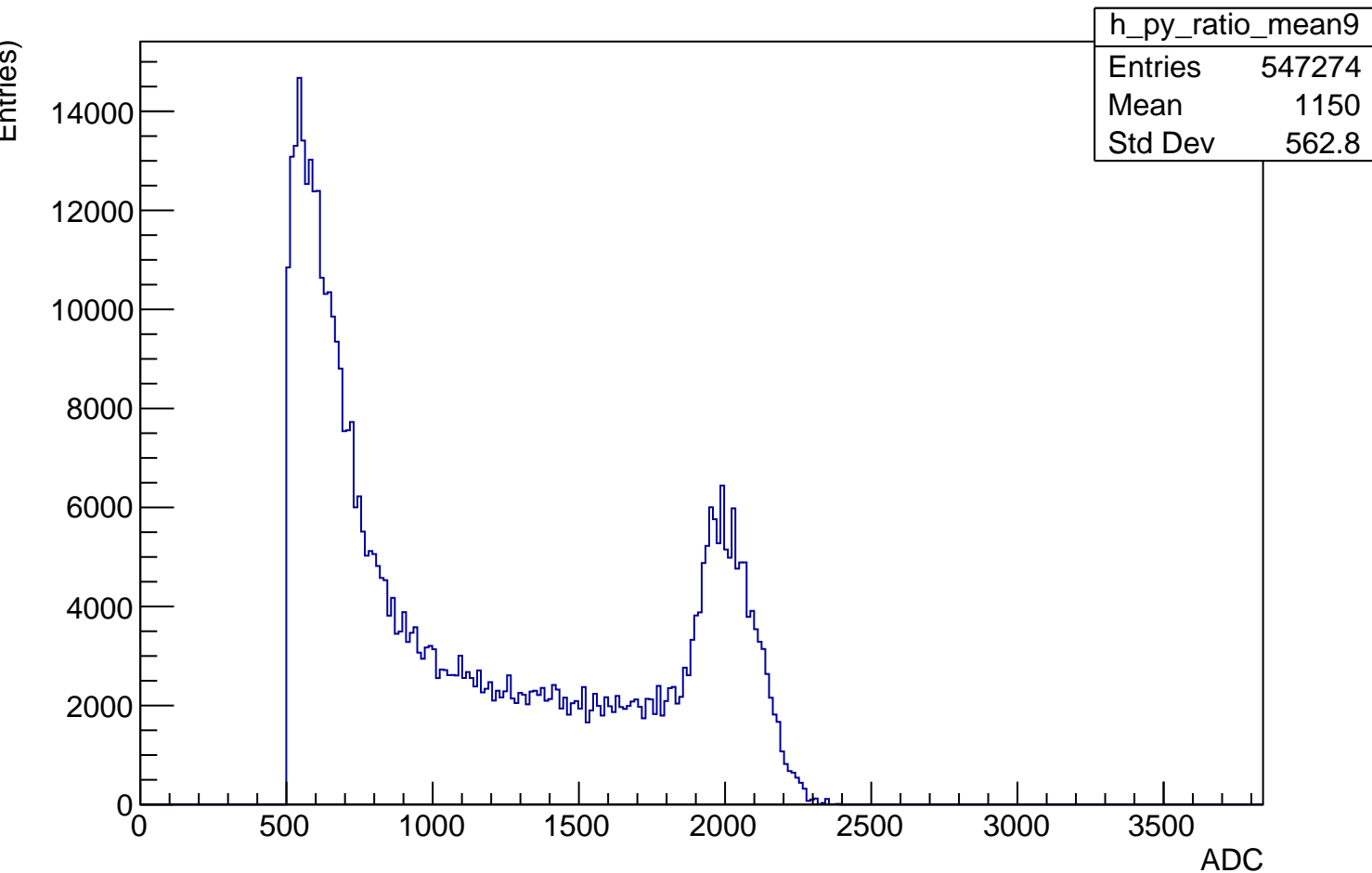
Mean 315.7

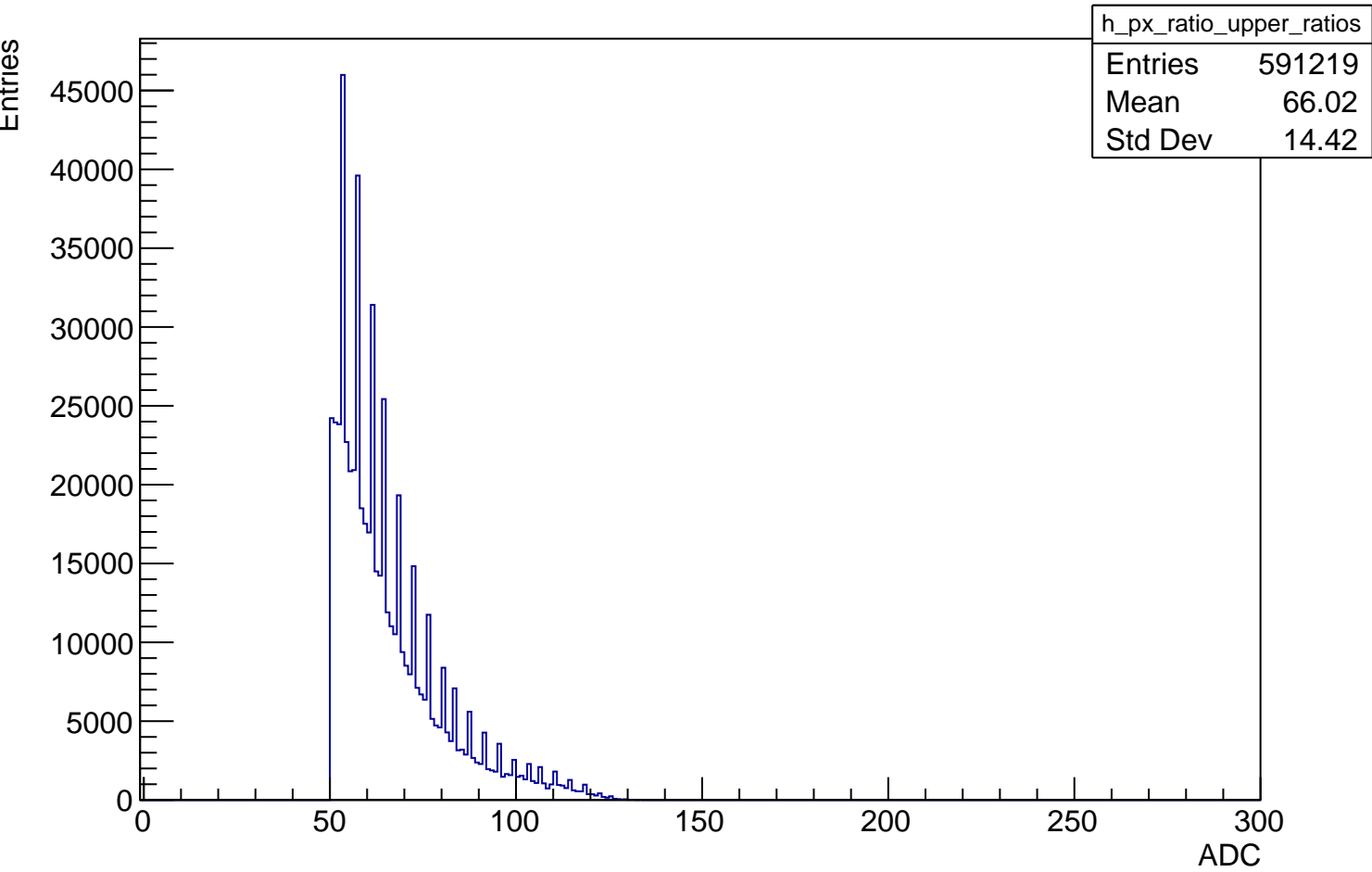
Std Dev 150.9

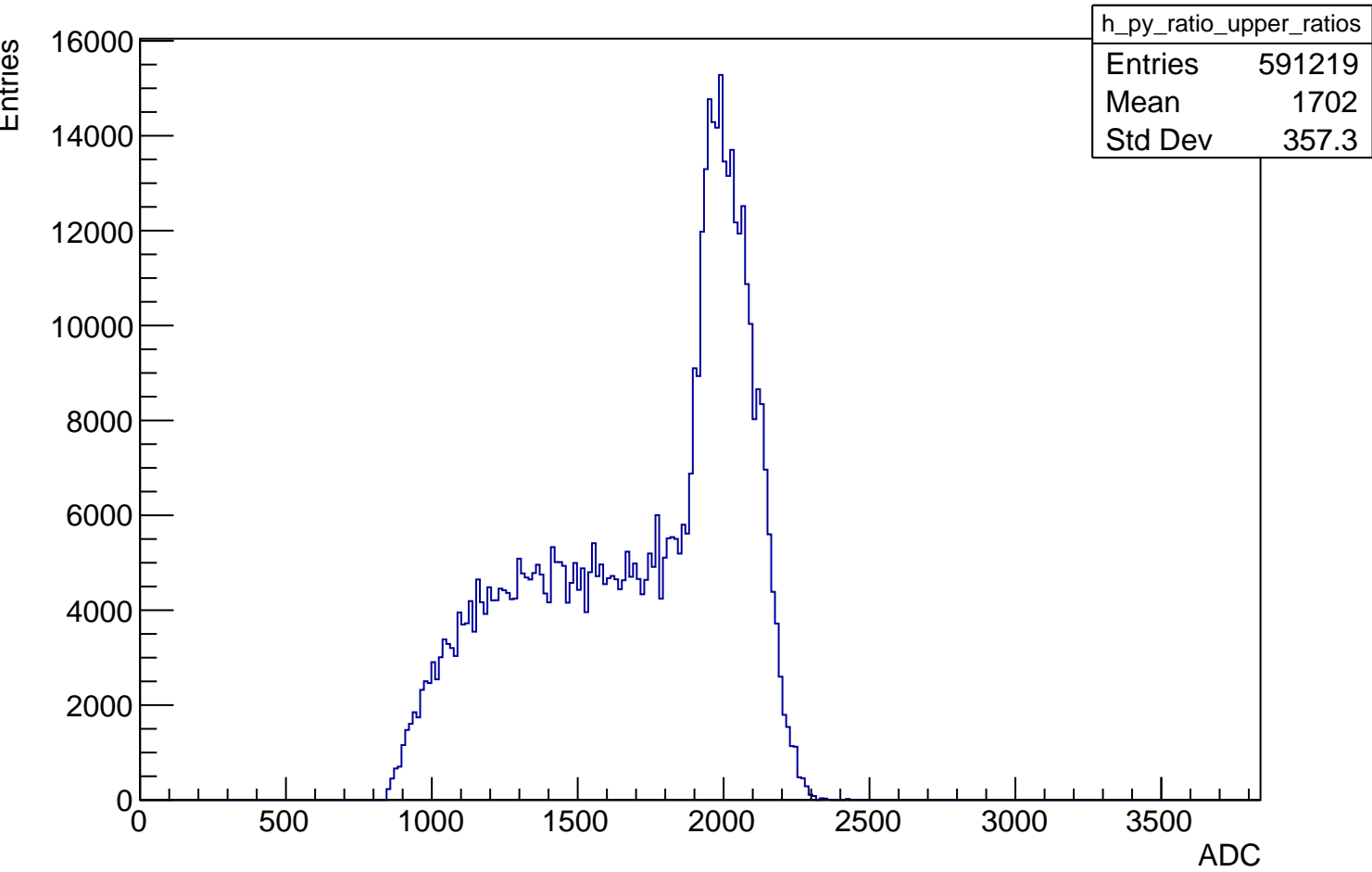
ADC



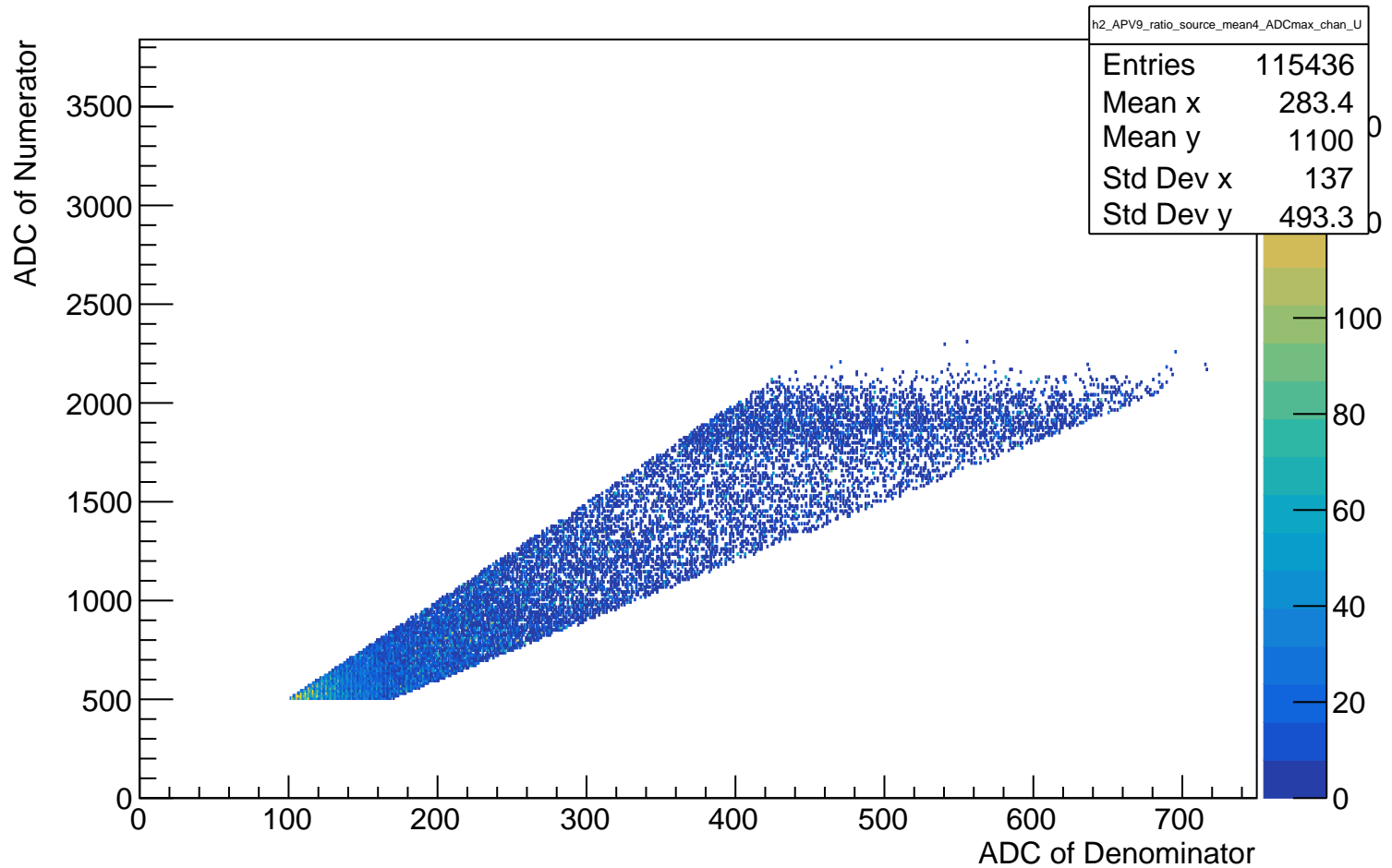






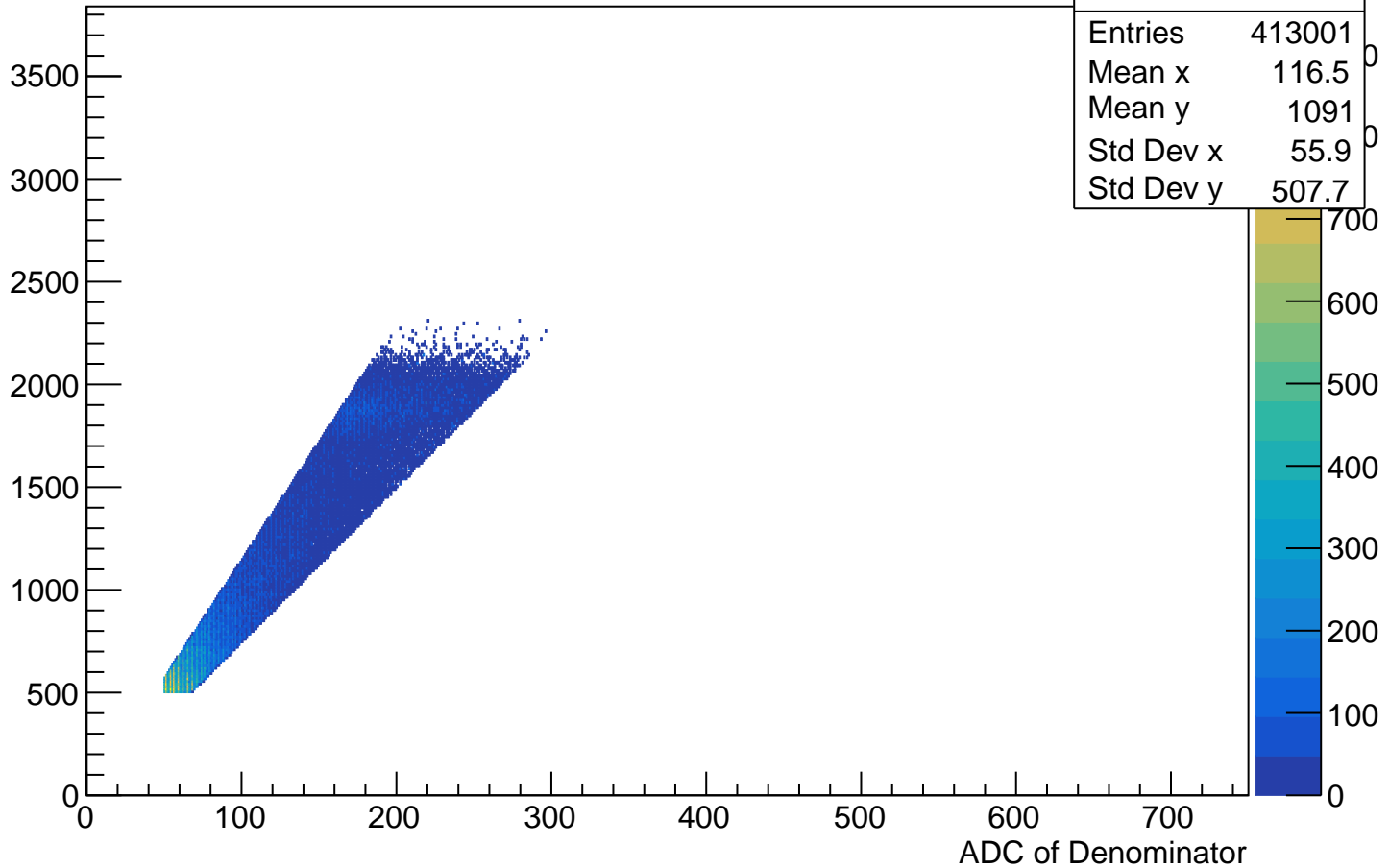


APV9 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

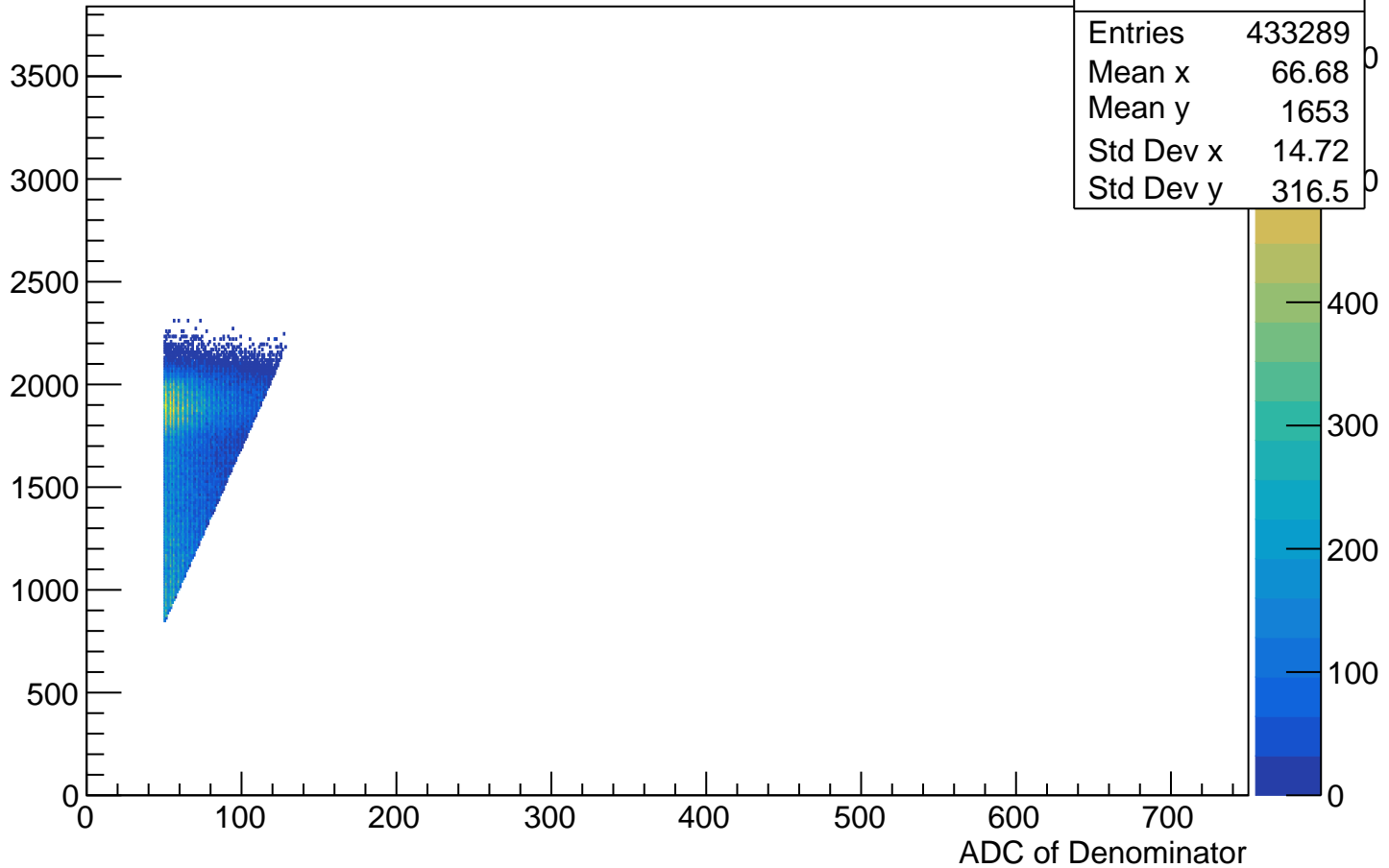


APV9 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

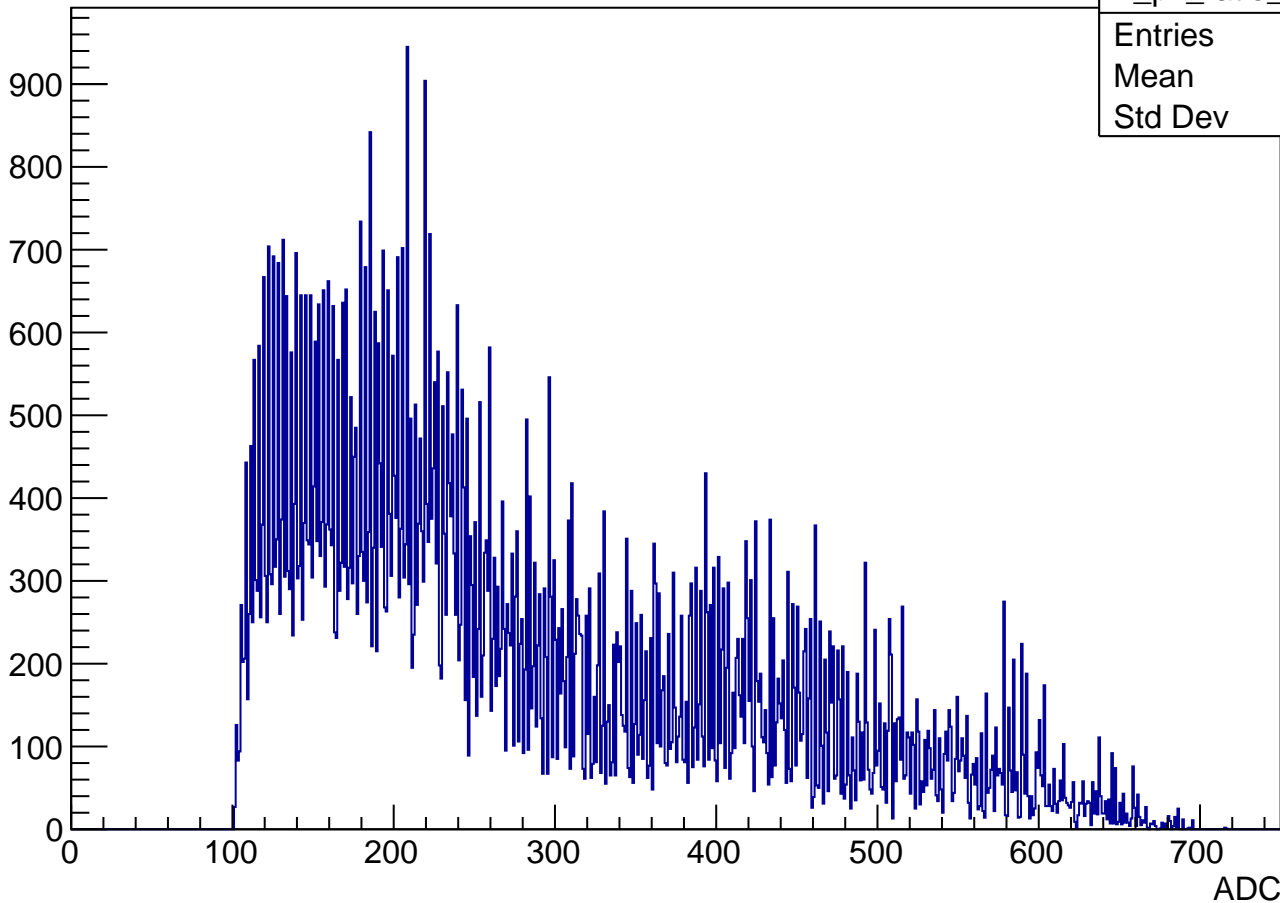
ADC of Numerator



ADC of Numerator

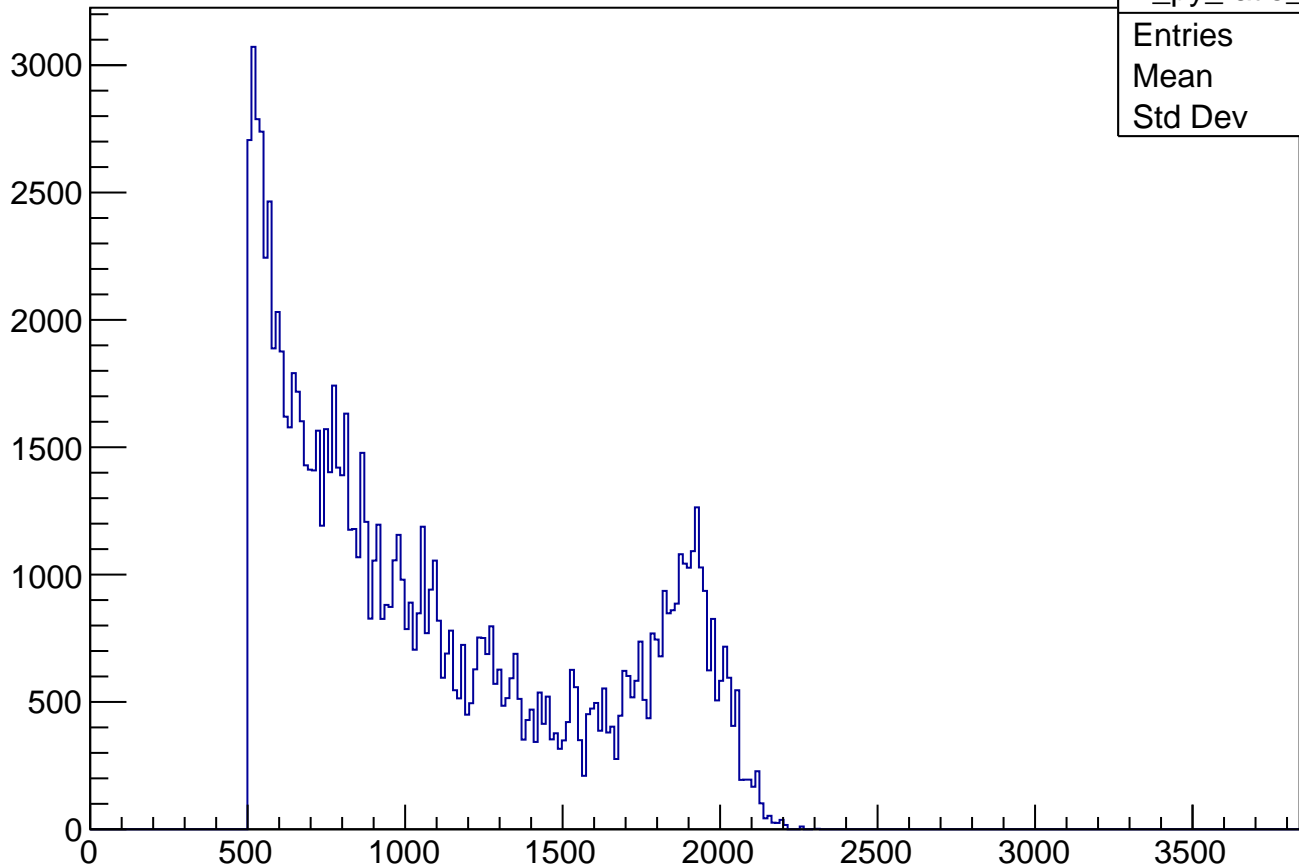


Entries



ADC

Entries



h_py_ratio_mean4

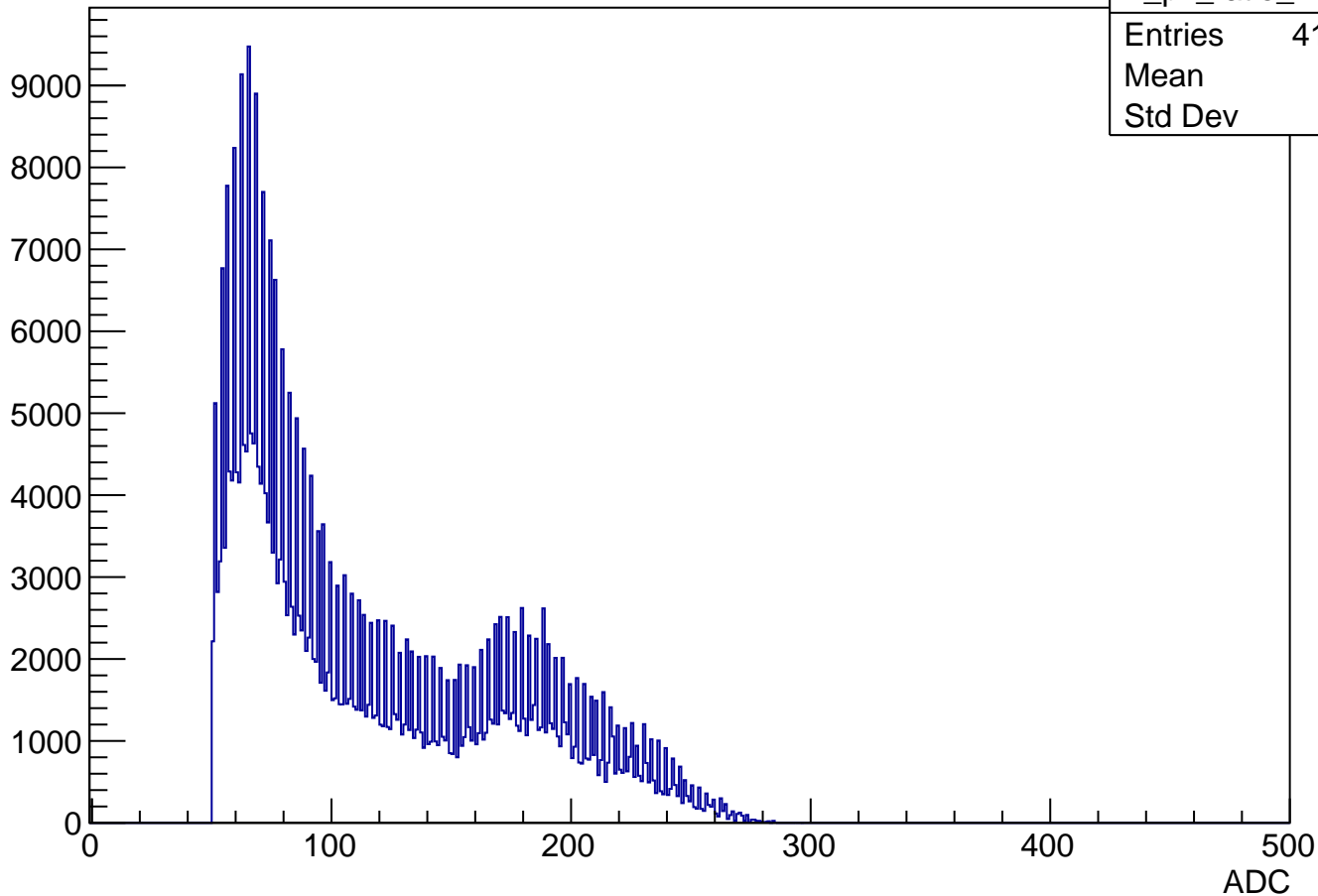
Entries 115436

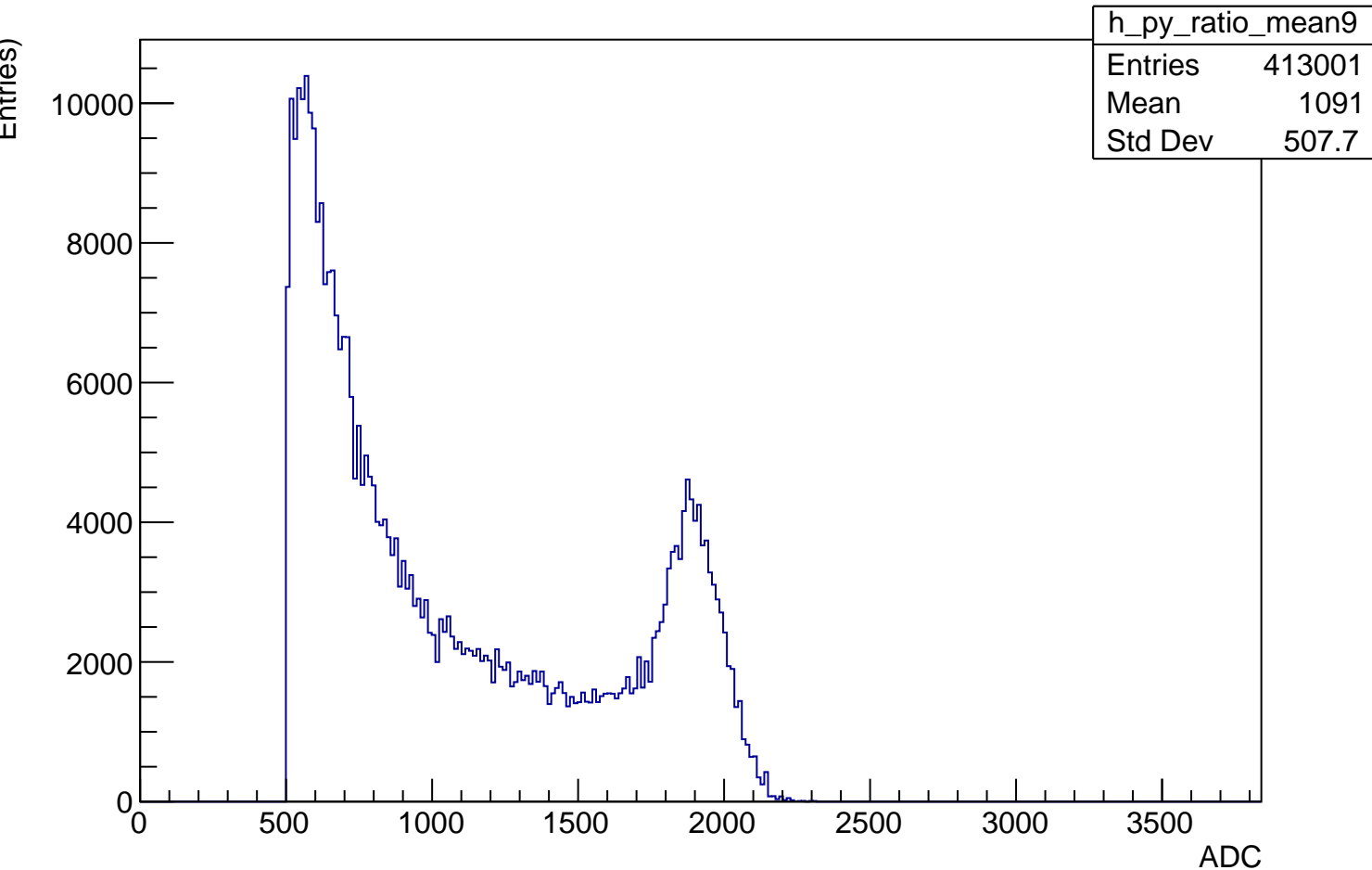
Mean 1100

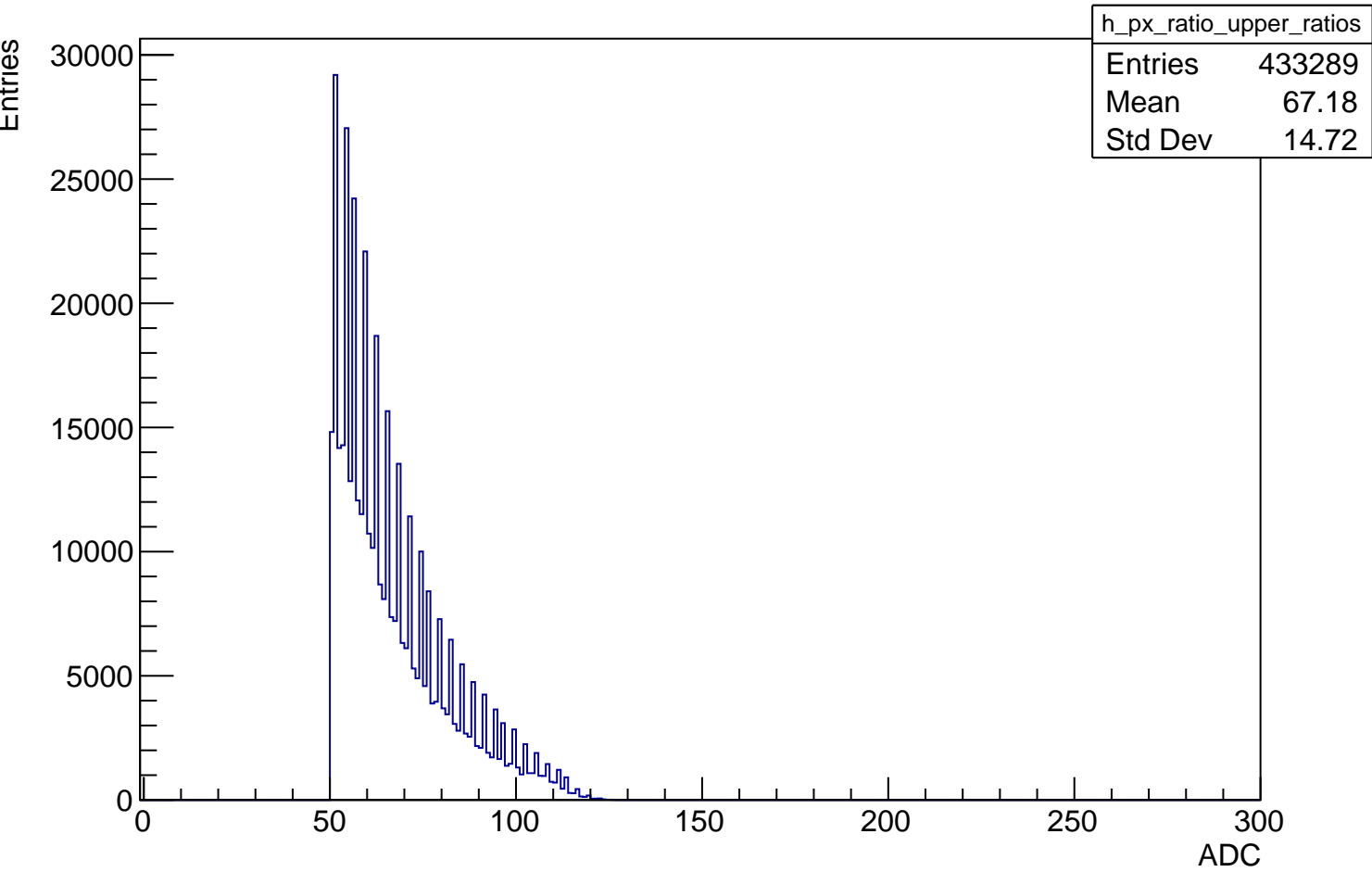
Std Dev 493.3

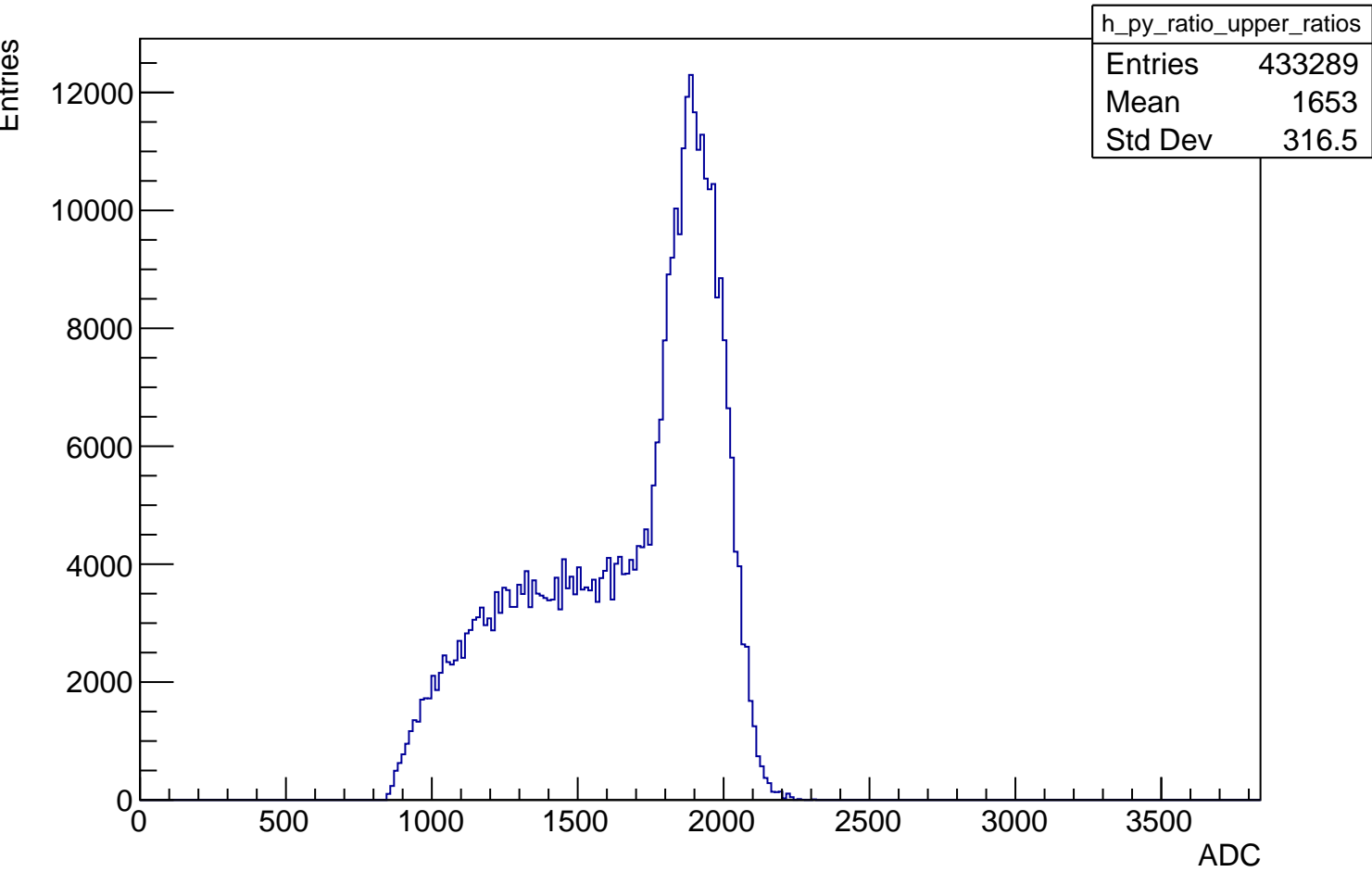
ADC

Entries)

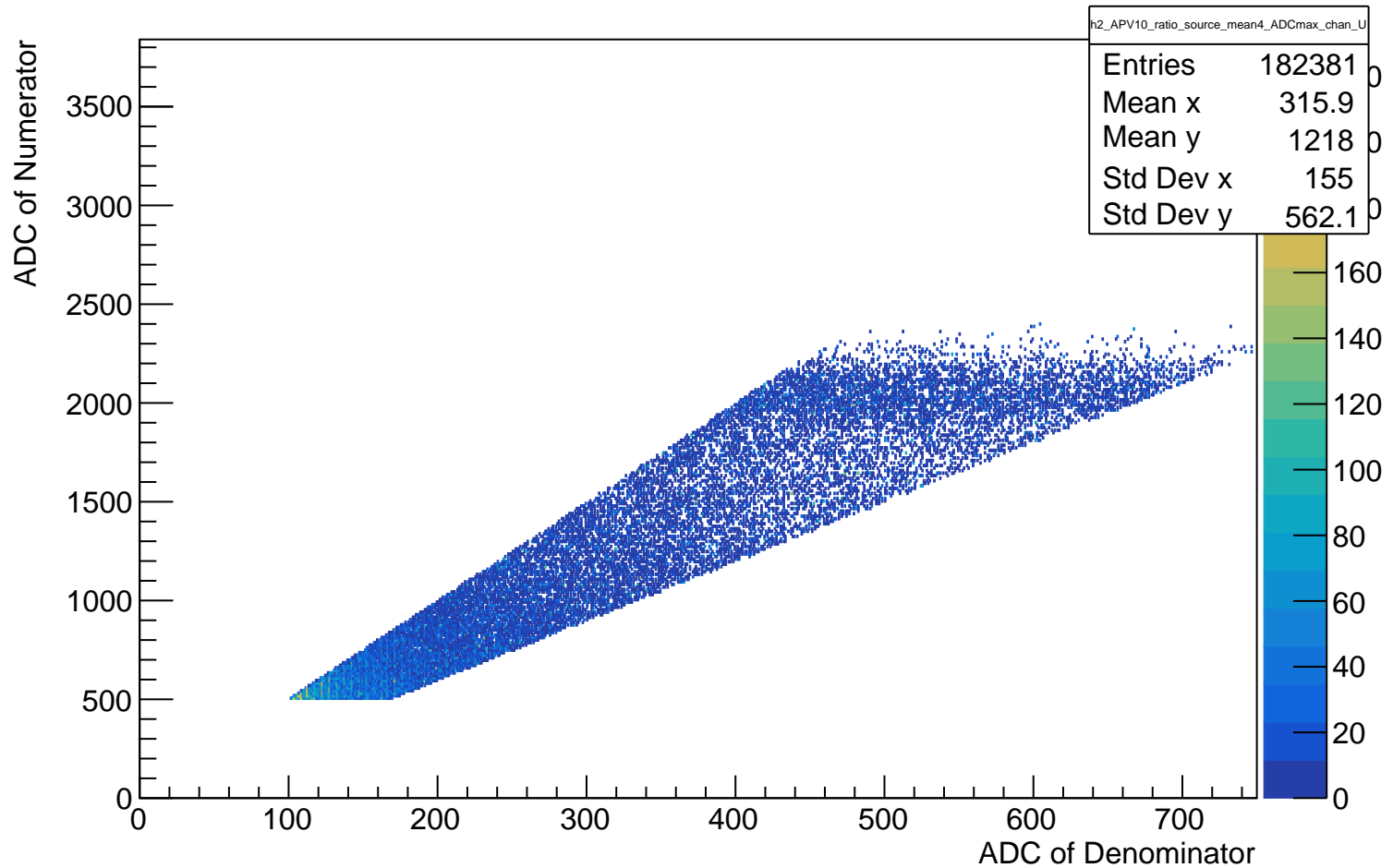




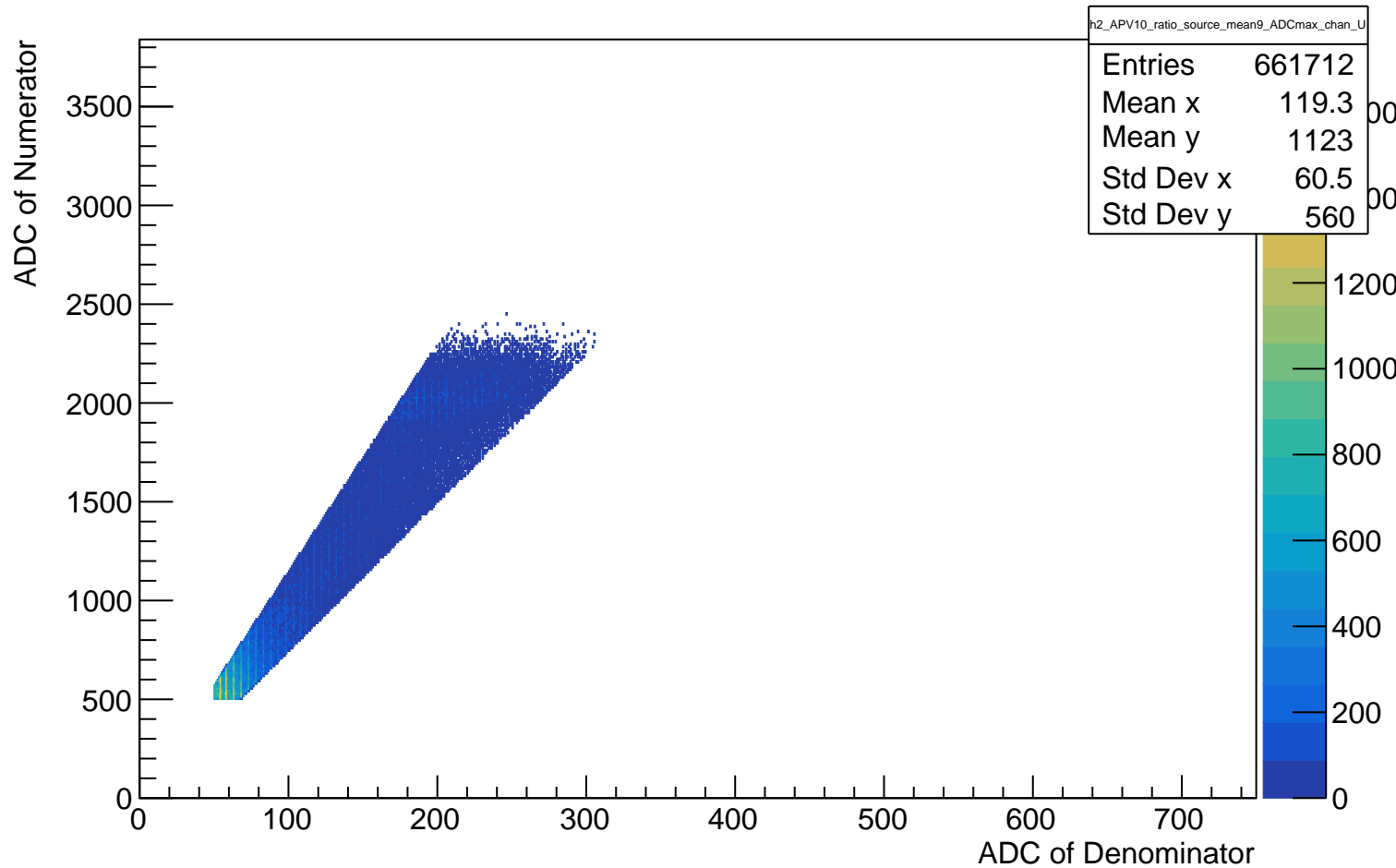


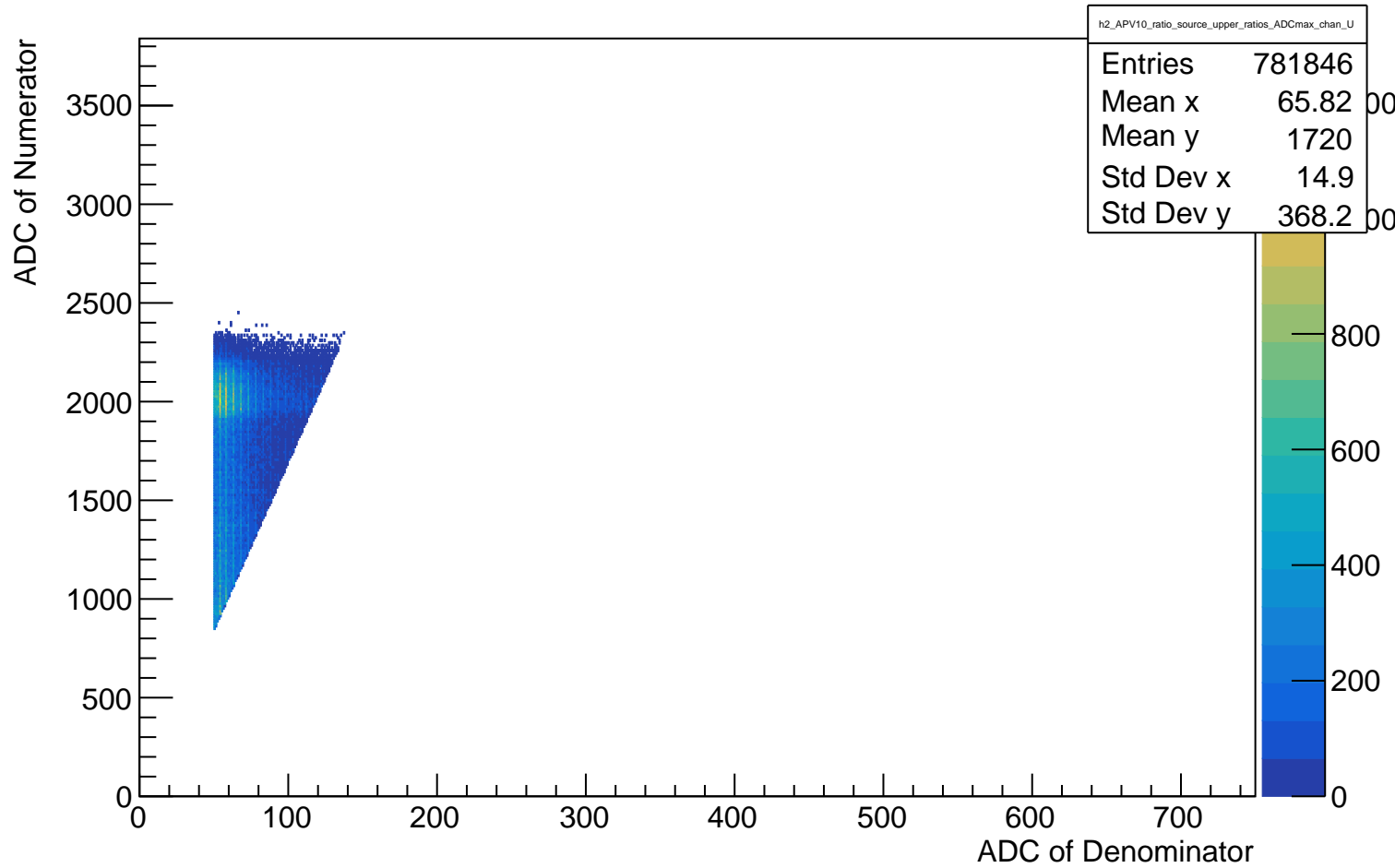


APV10 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

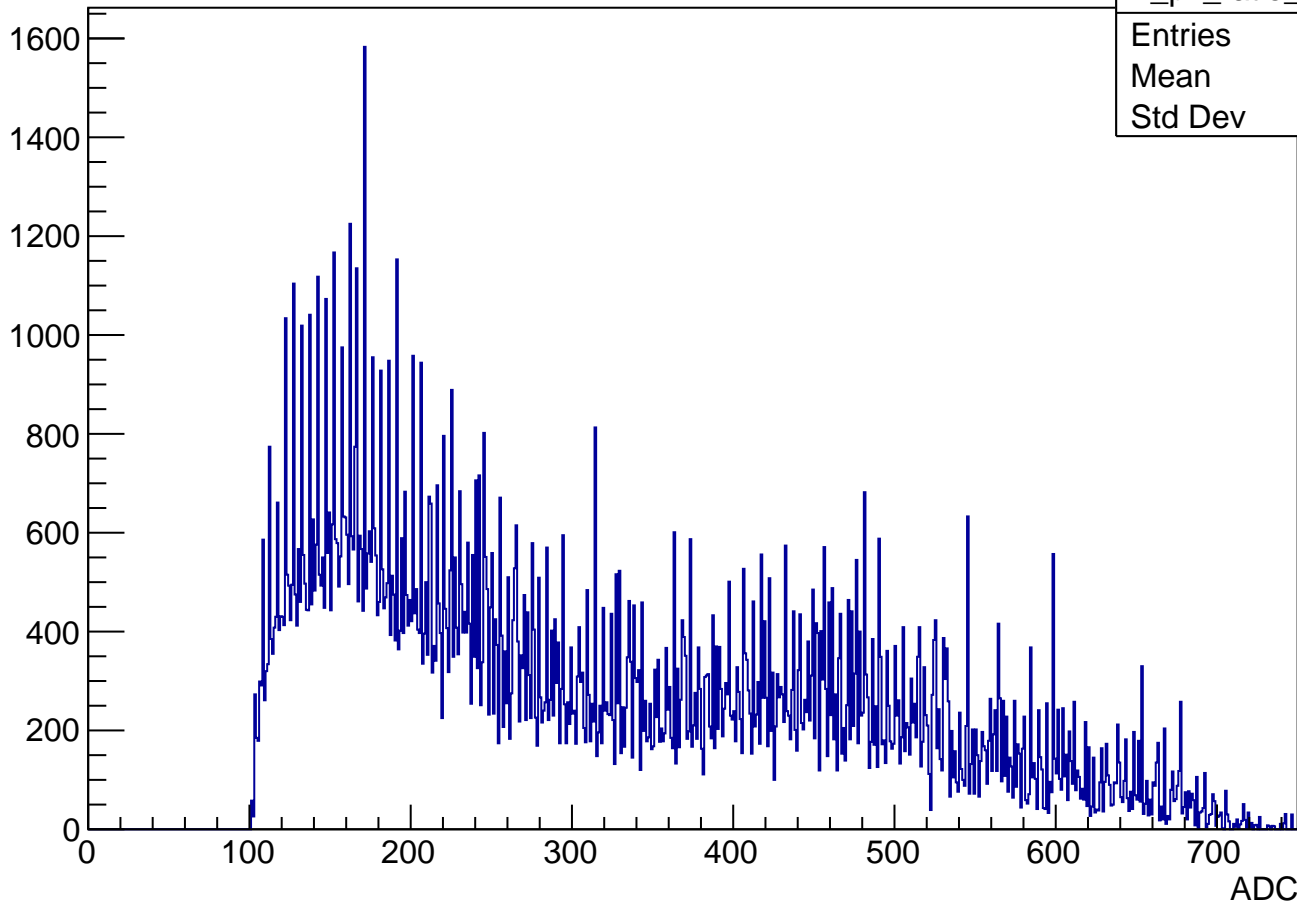


APV10 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

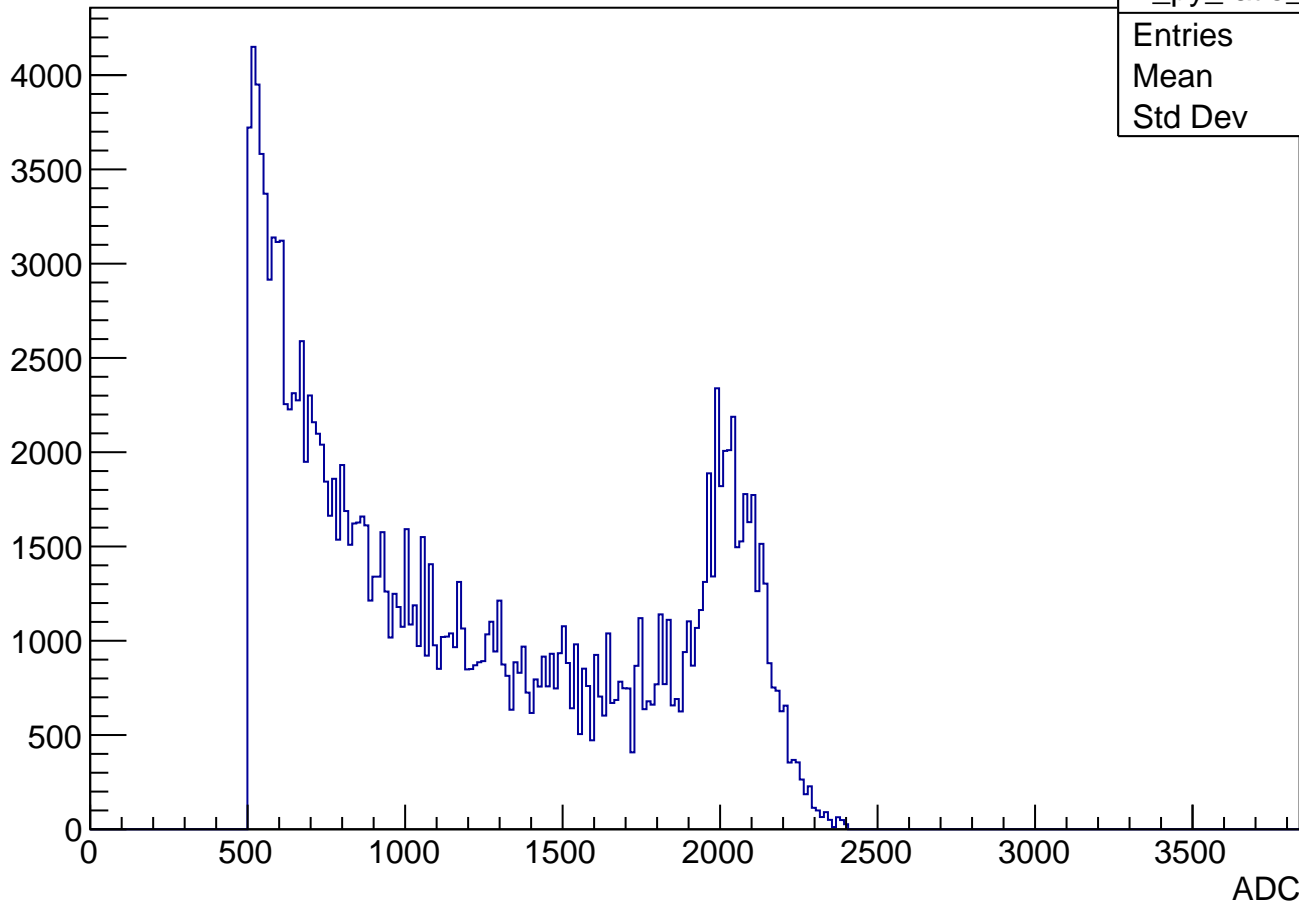




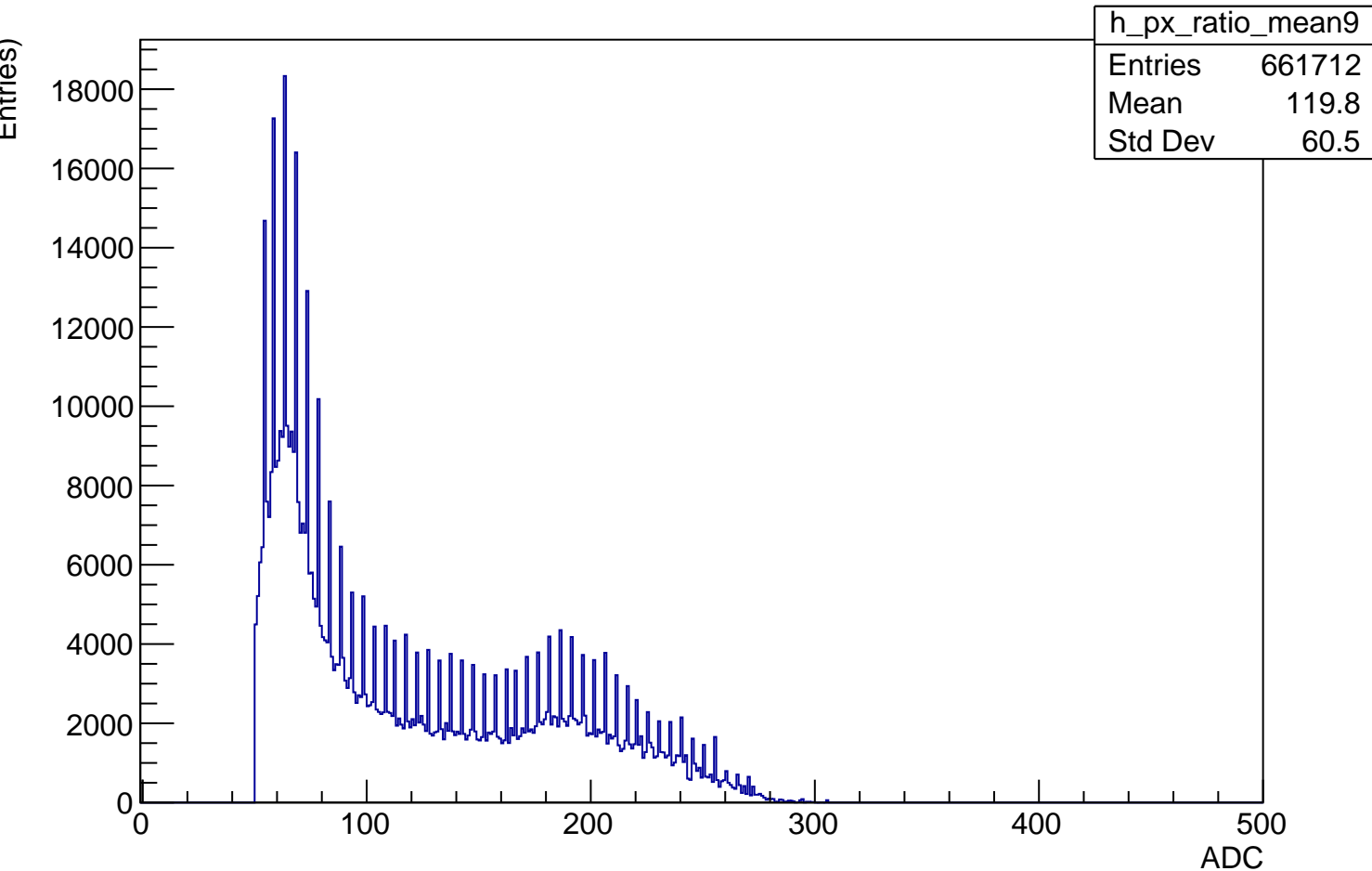
Entries

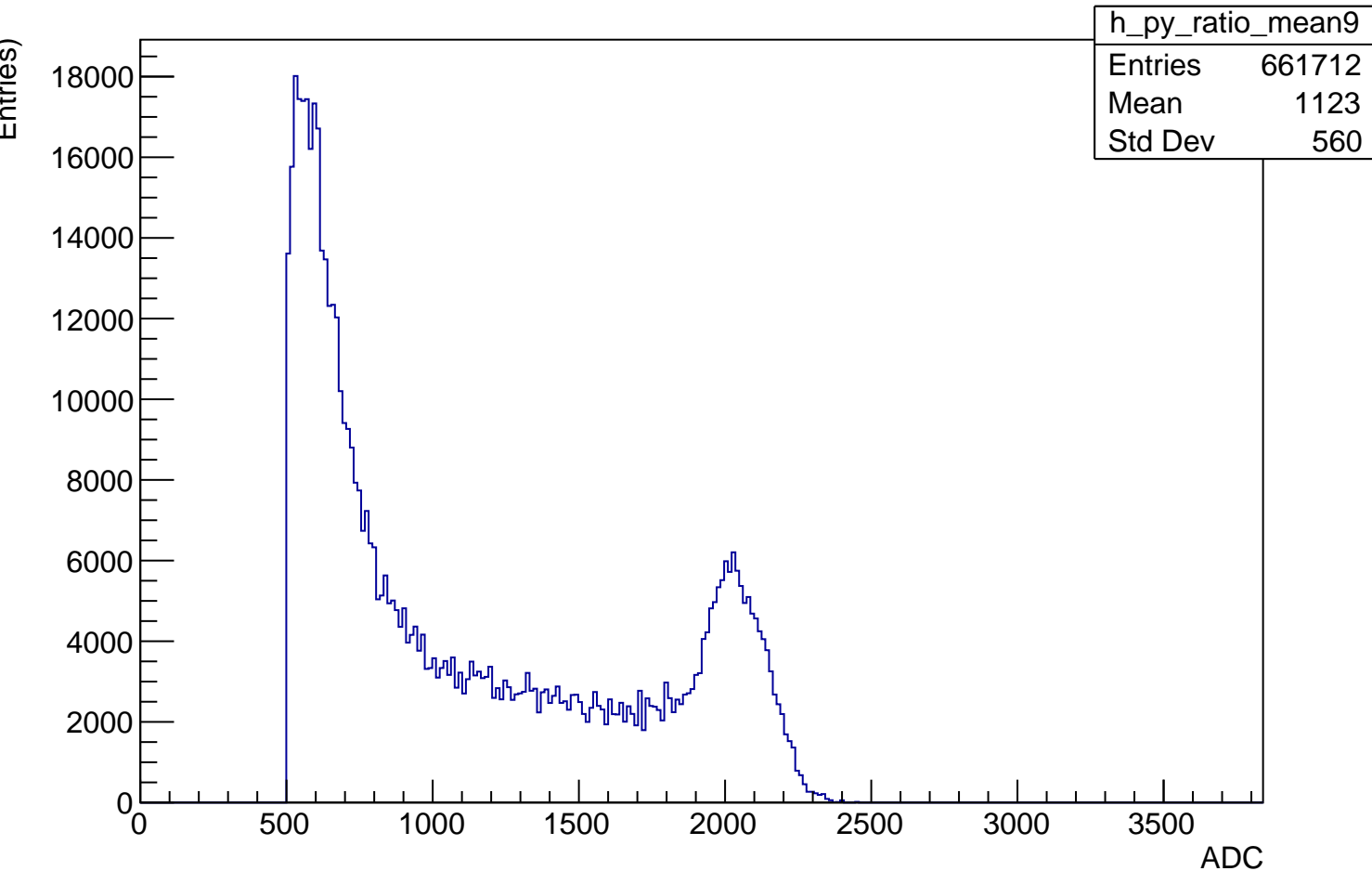


Entries

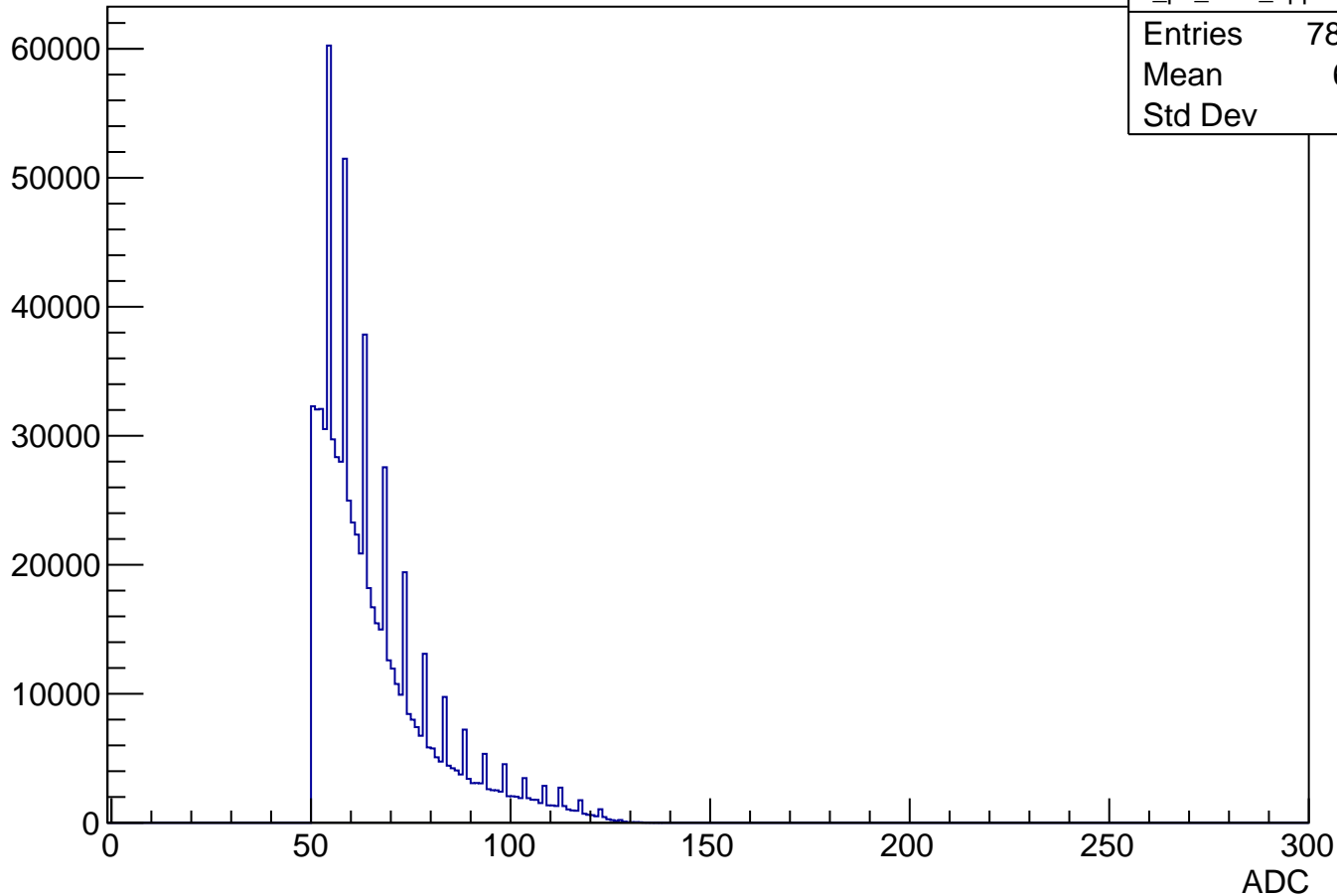


ADC

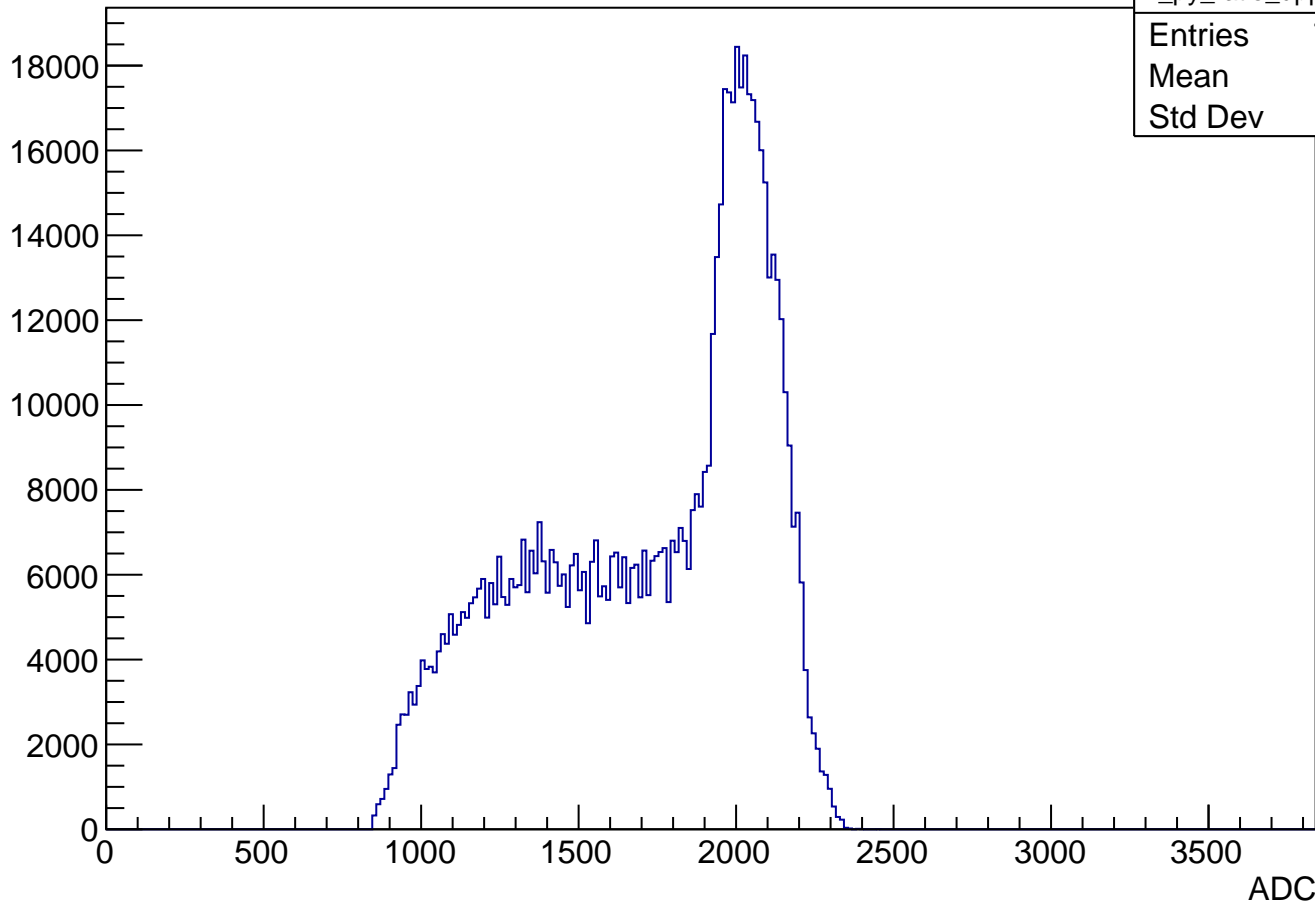




Entries



Entries



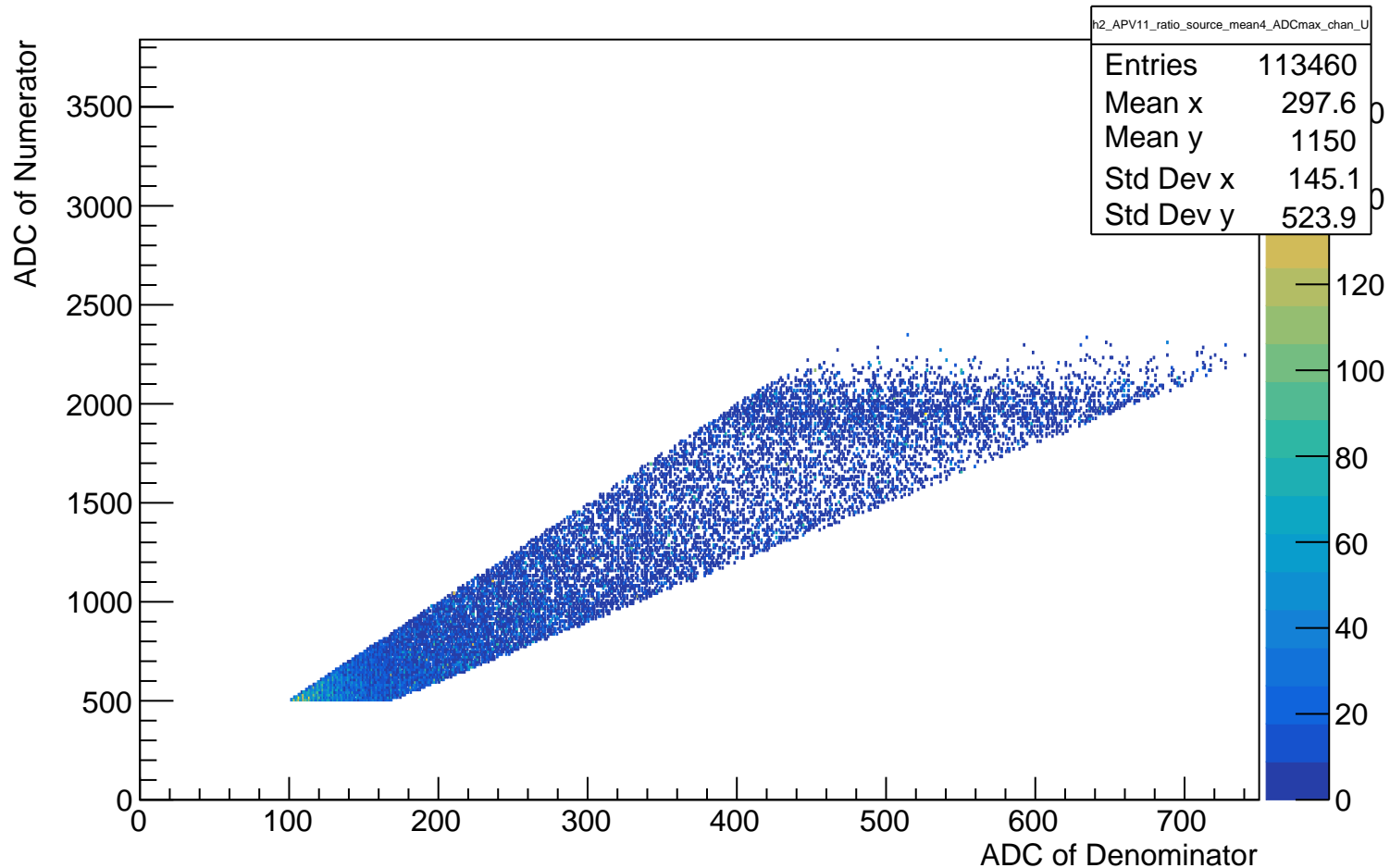
h_py_ratio_upper_ratios

Entries 781846

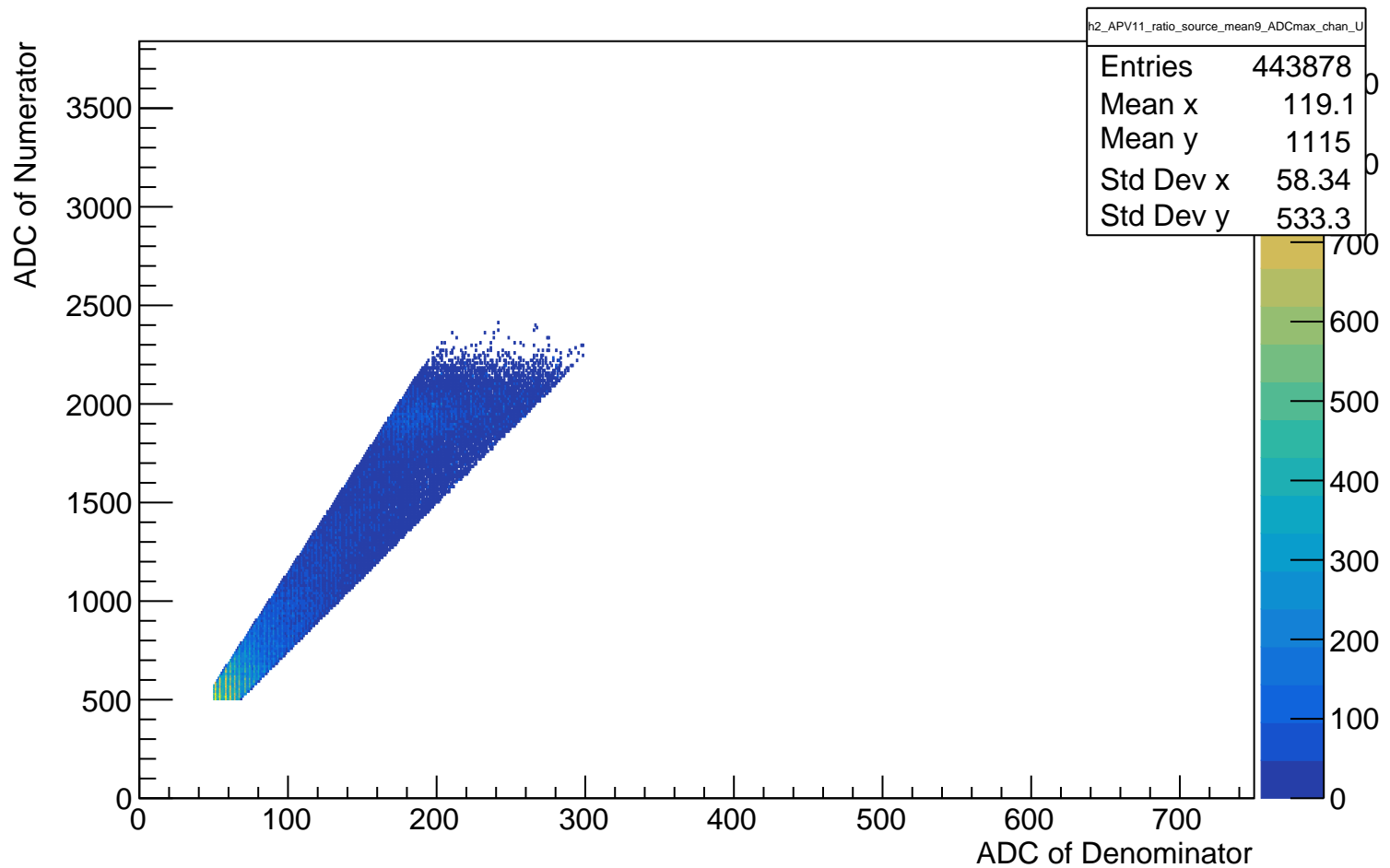
Mean 1720

Std Dev 368.2

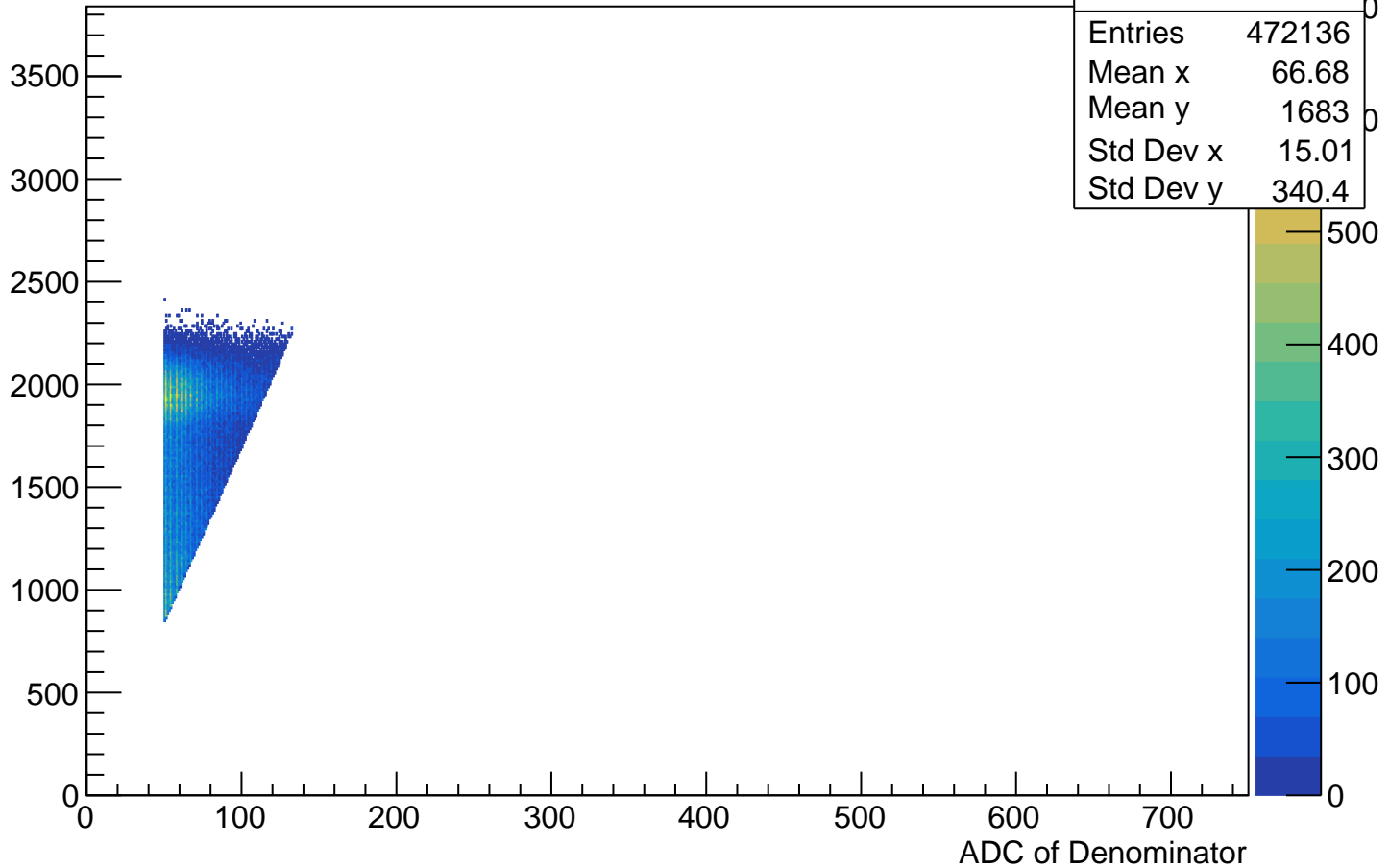
APV11 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



APV11 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



ADC of Numerator

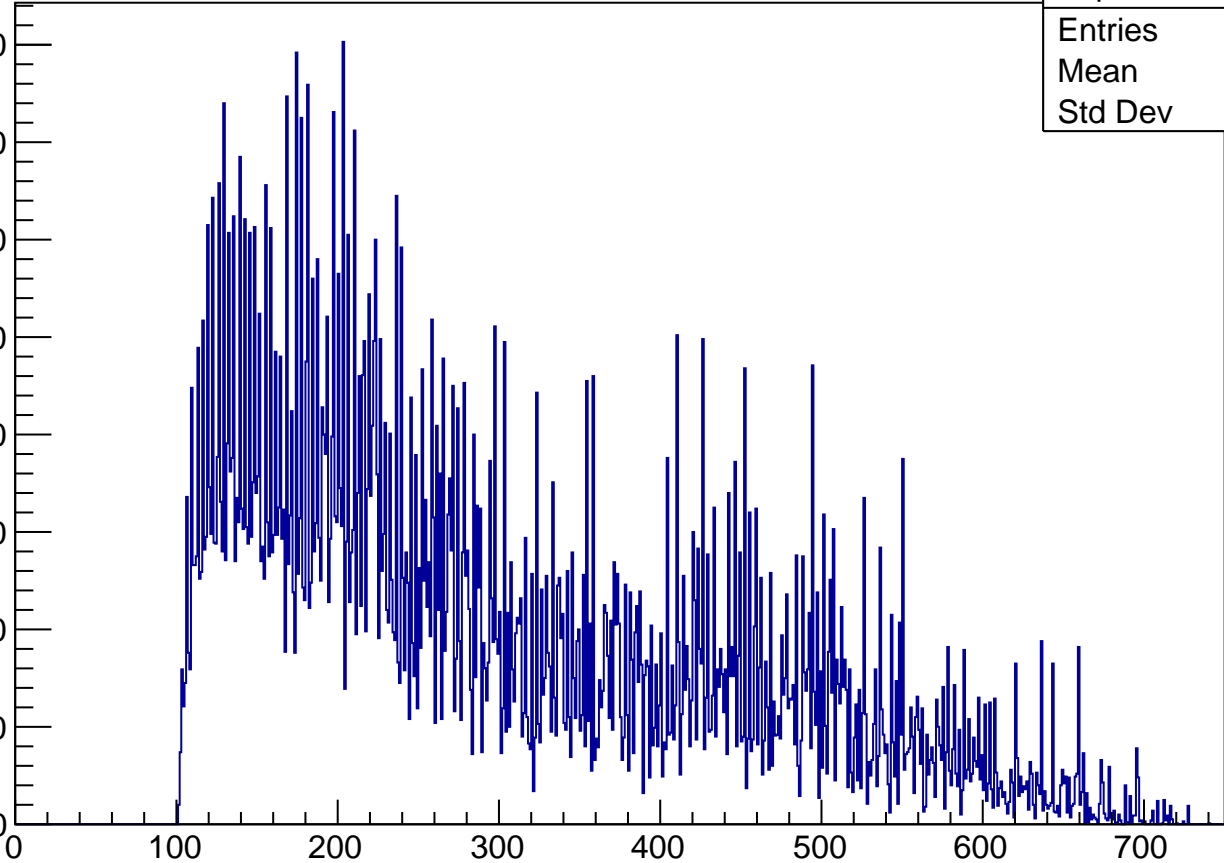


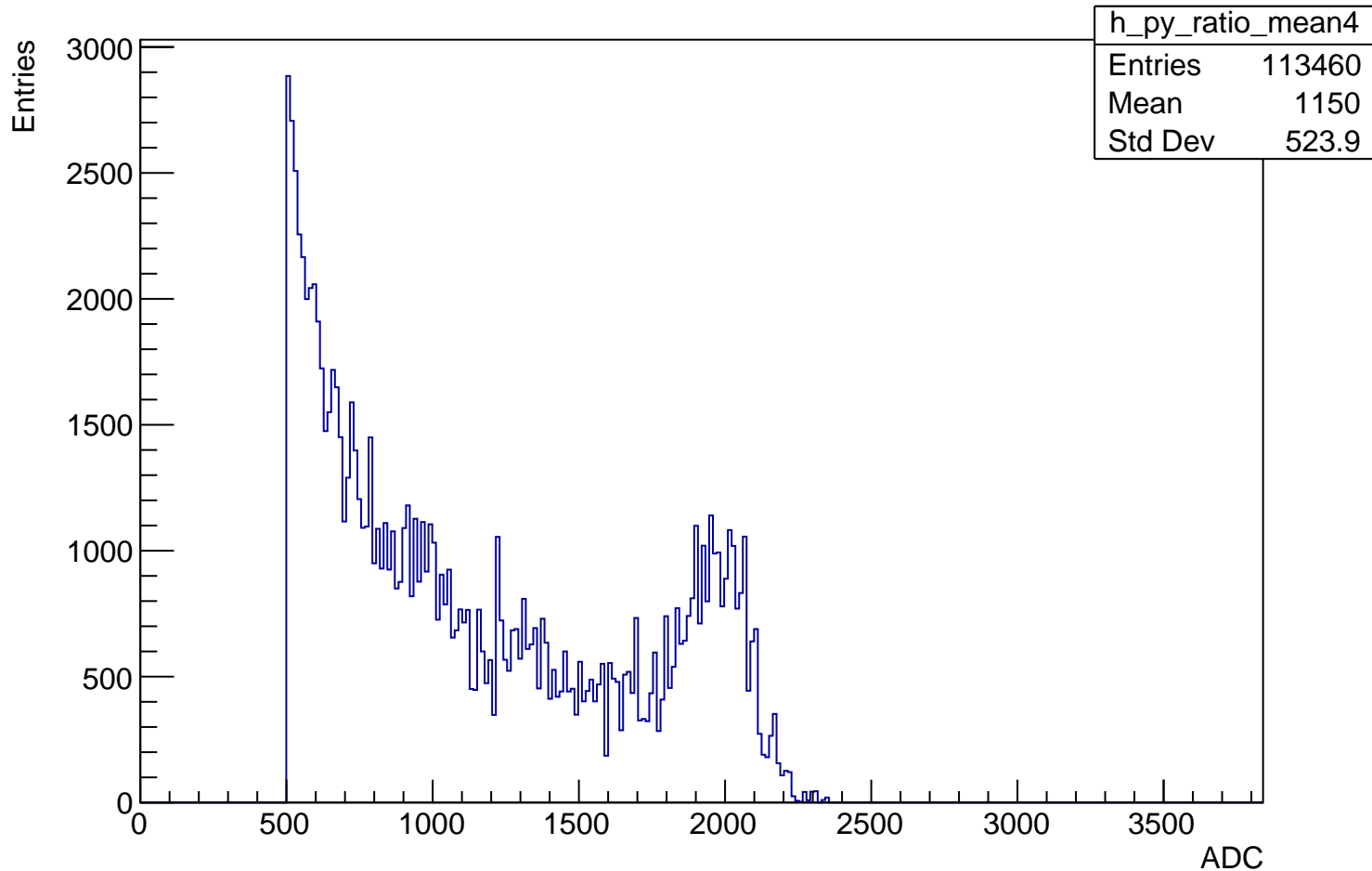
Entries

800
700
600
500
400
300
200
100
0

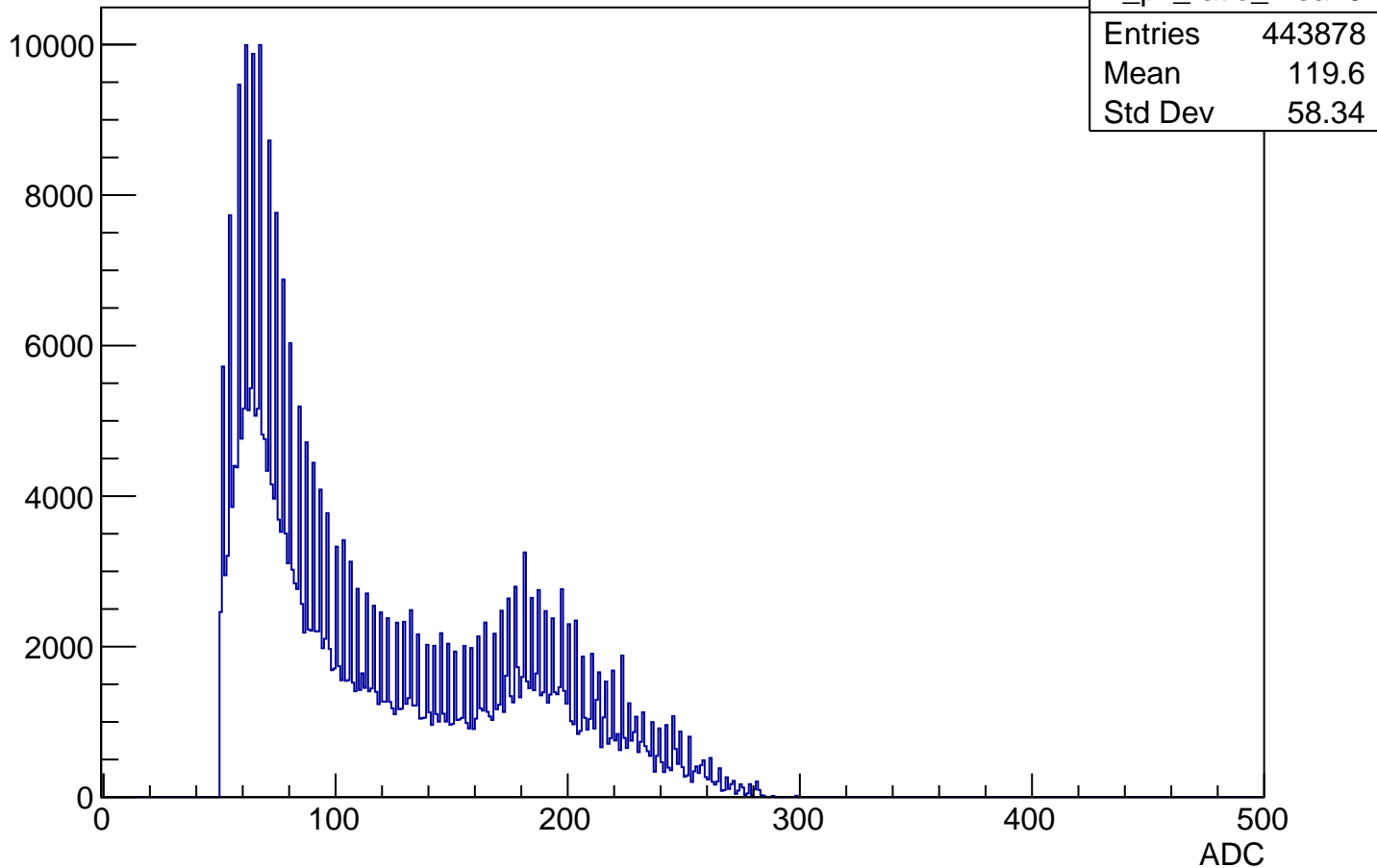
h_px_ratio_mean4	
Entries	113460
Mean	297.6
Std Dev	145.1

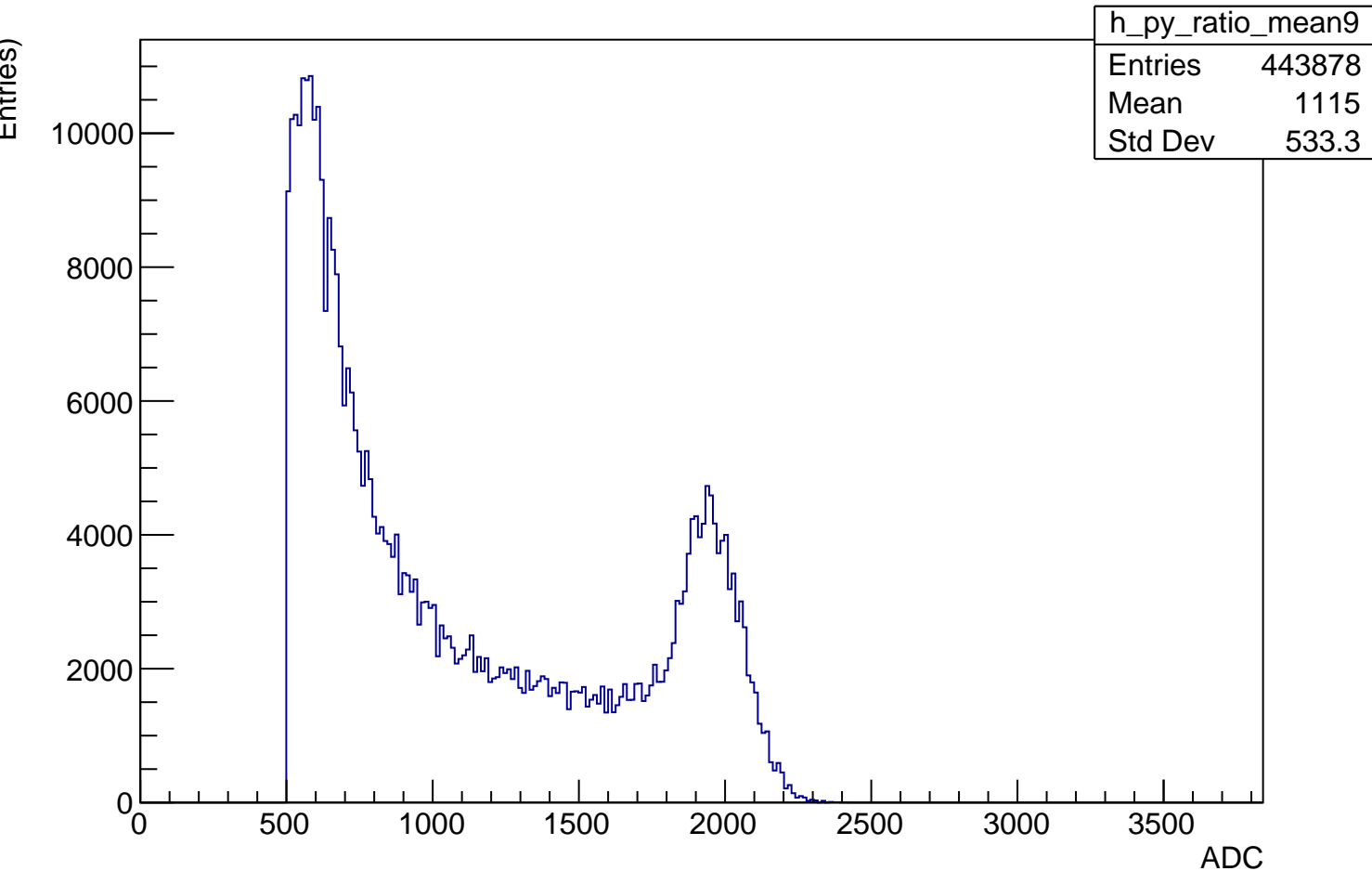
ADC

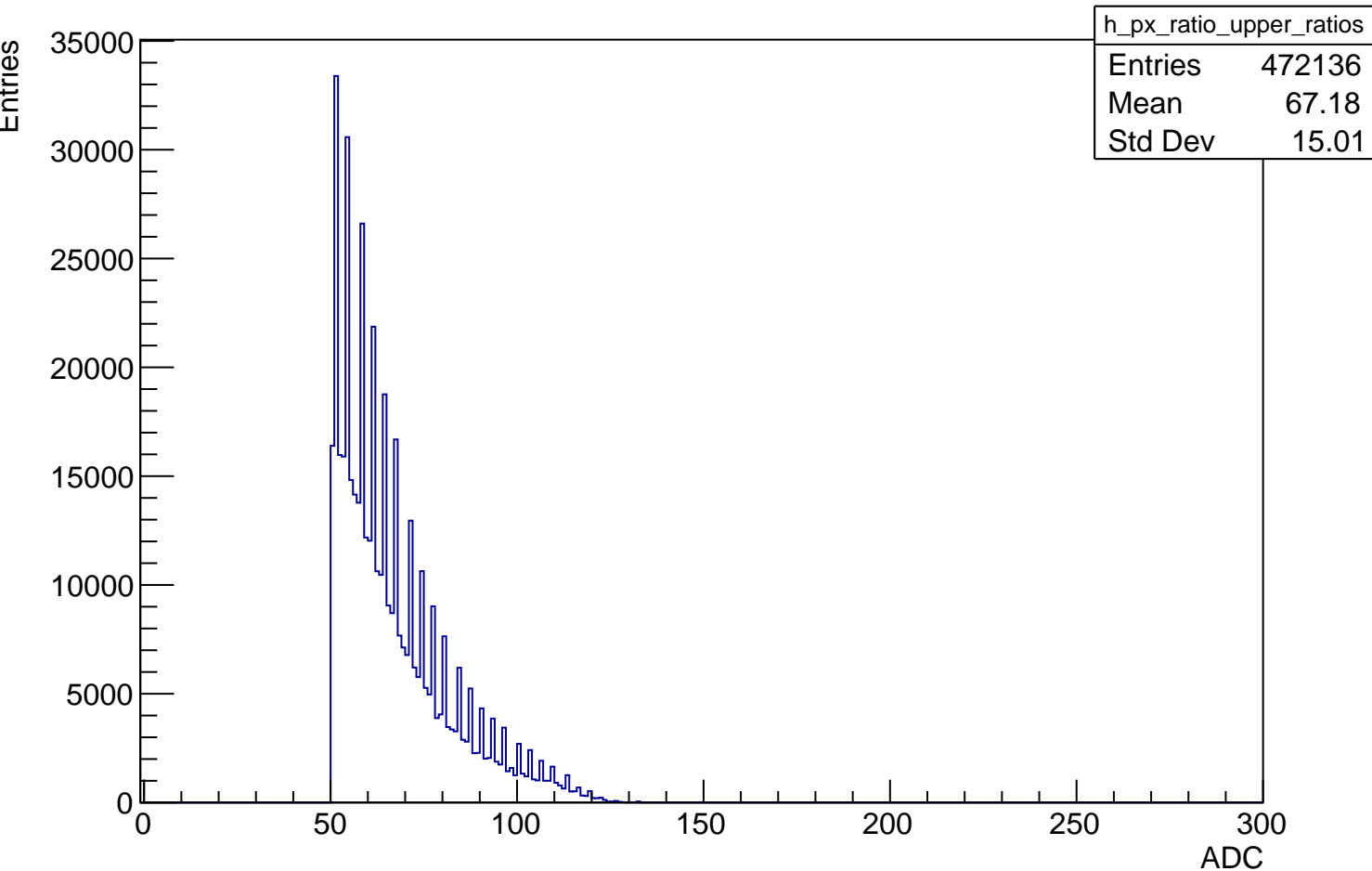




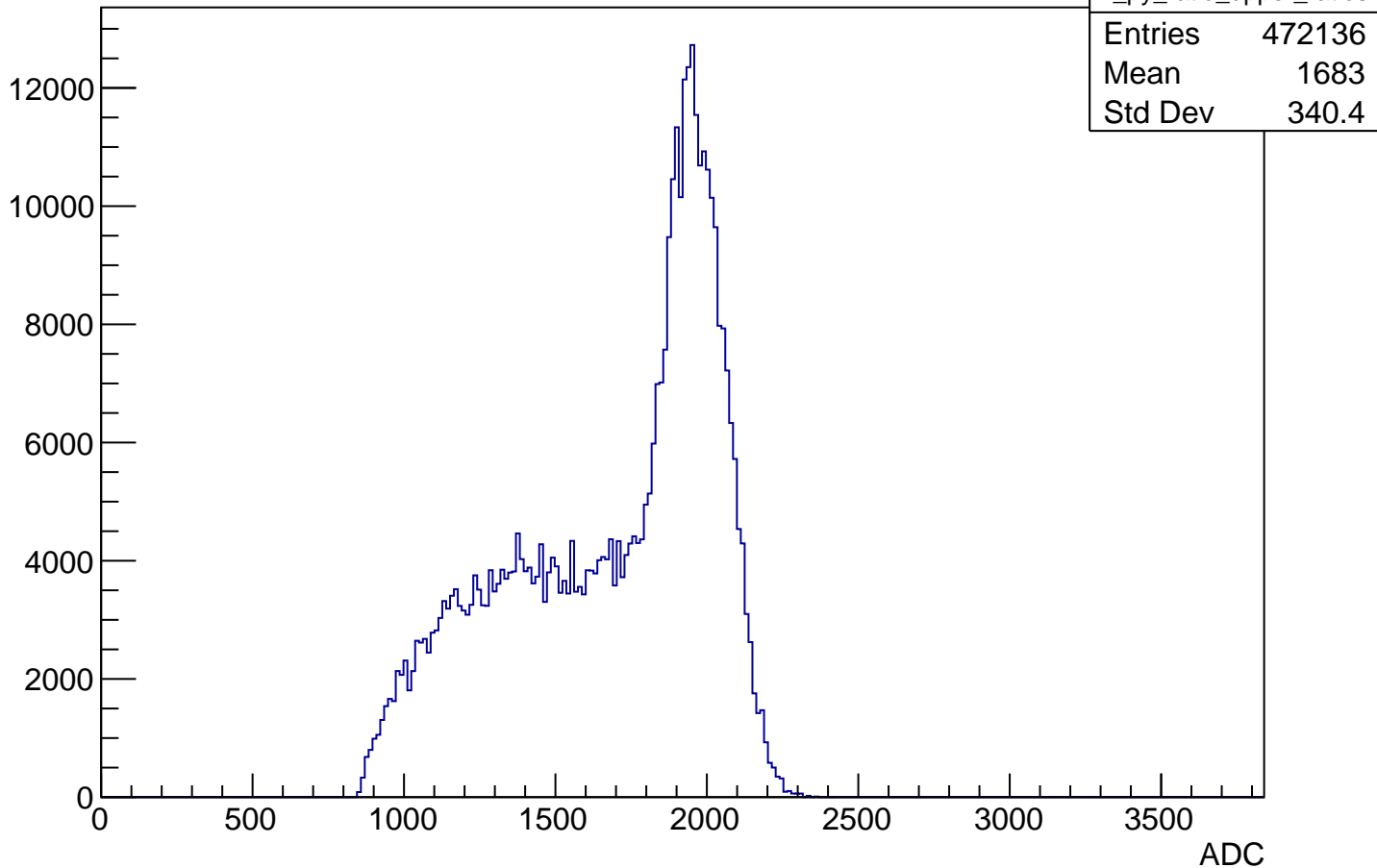
Entries)



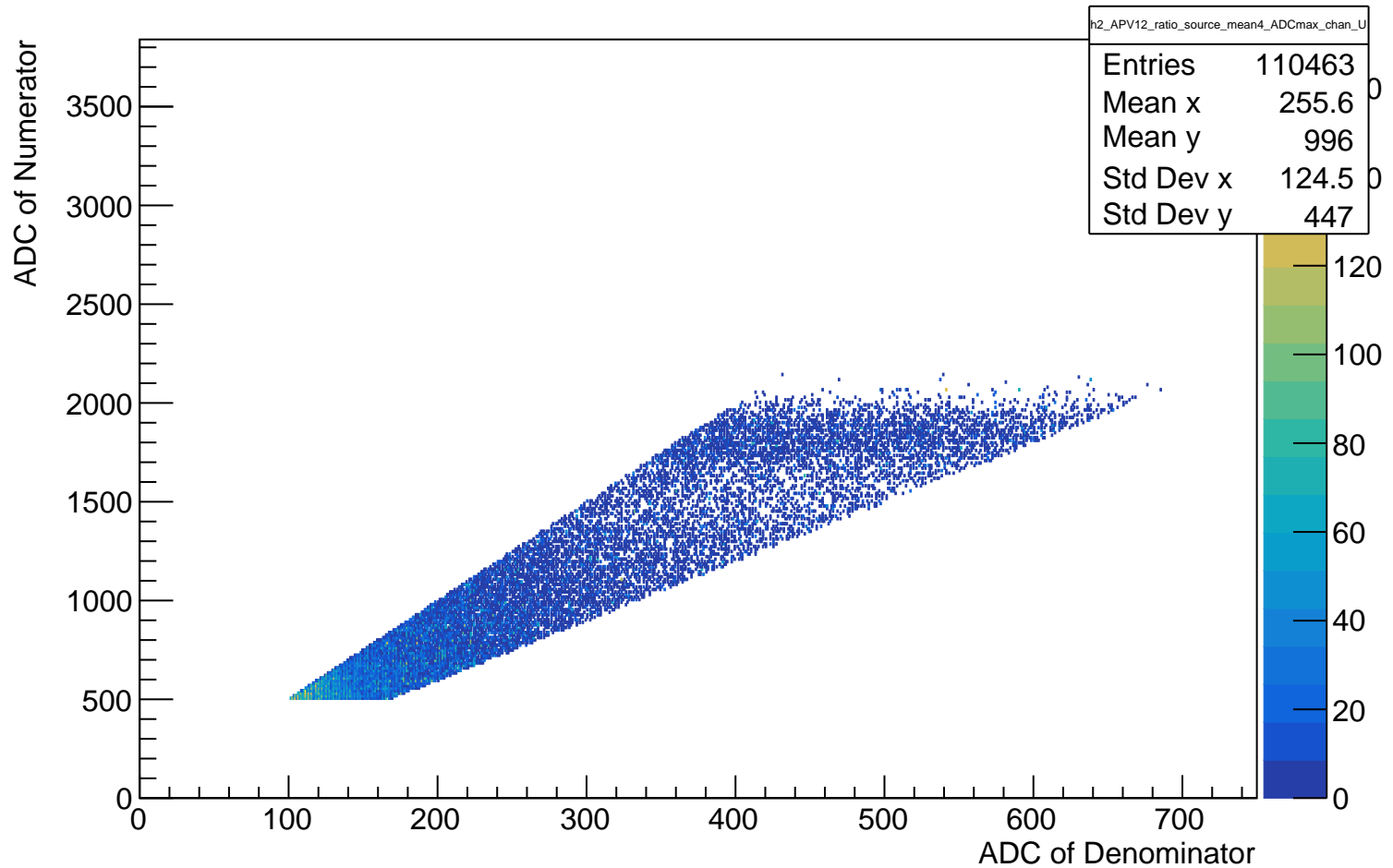




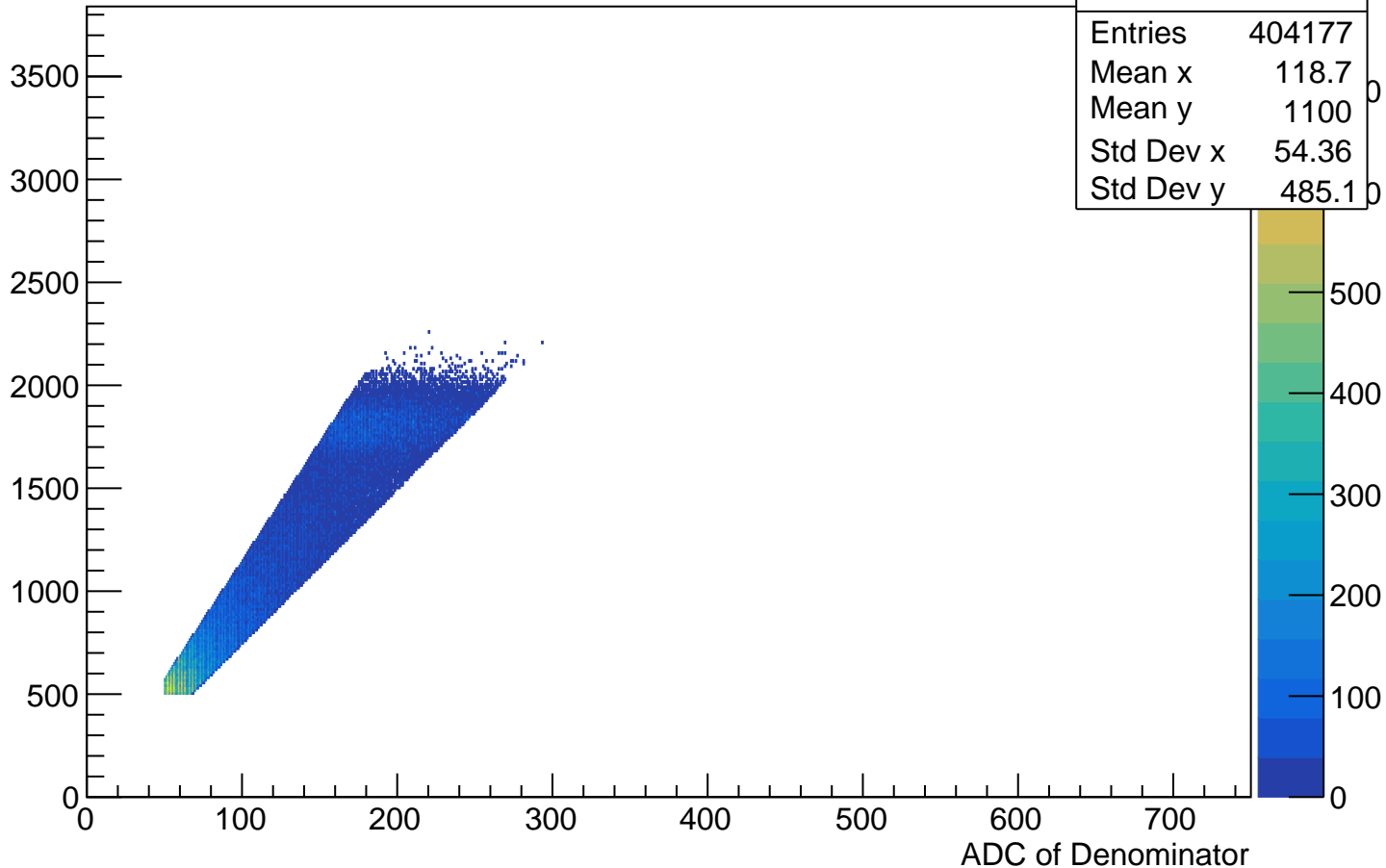
Entries

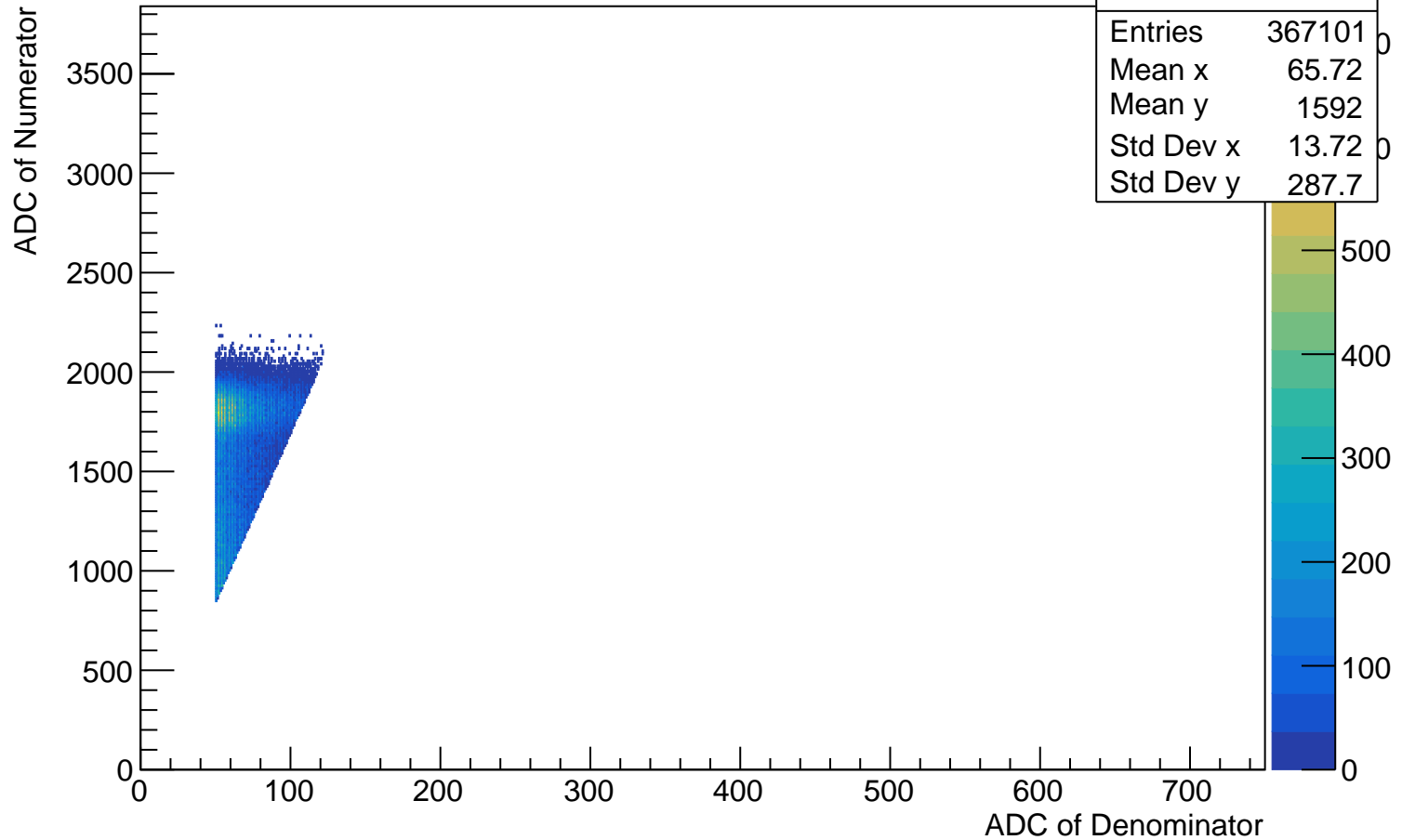


APV12 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

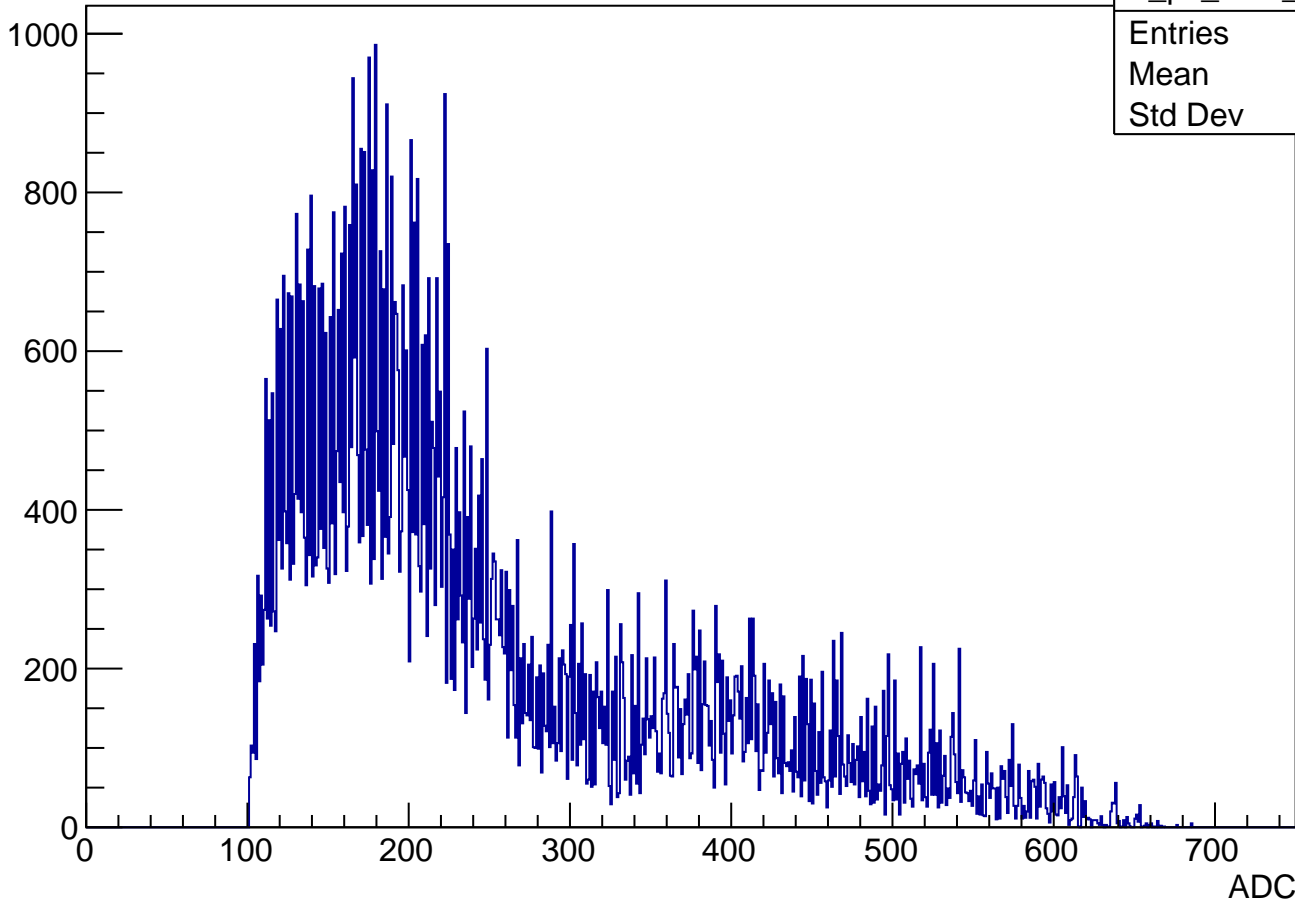


ADC of Numerator

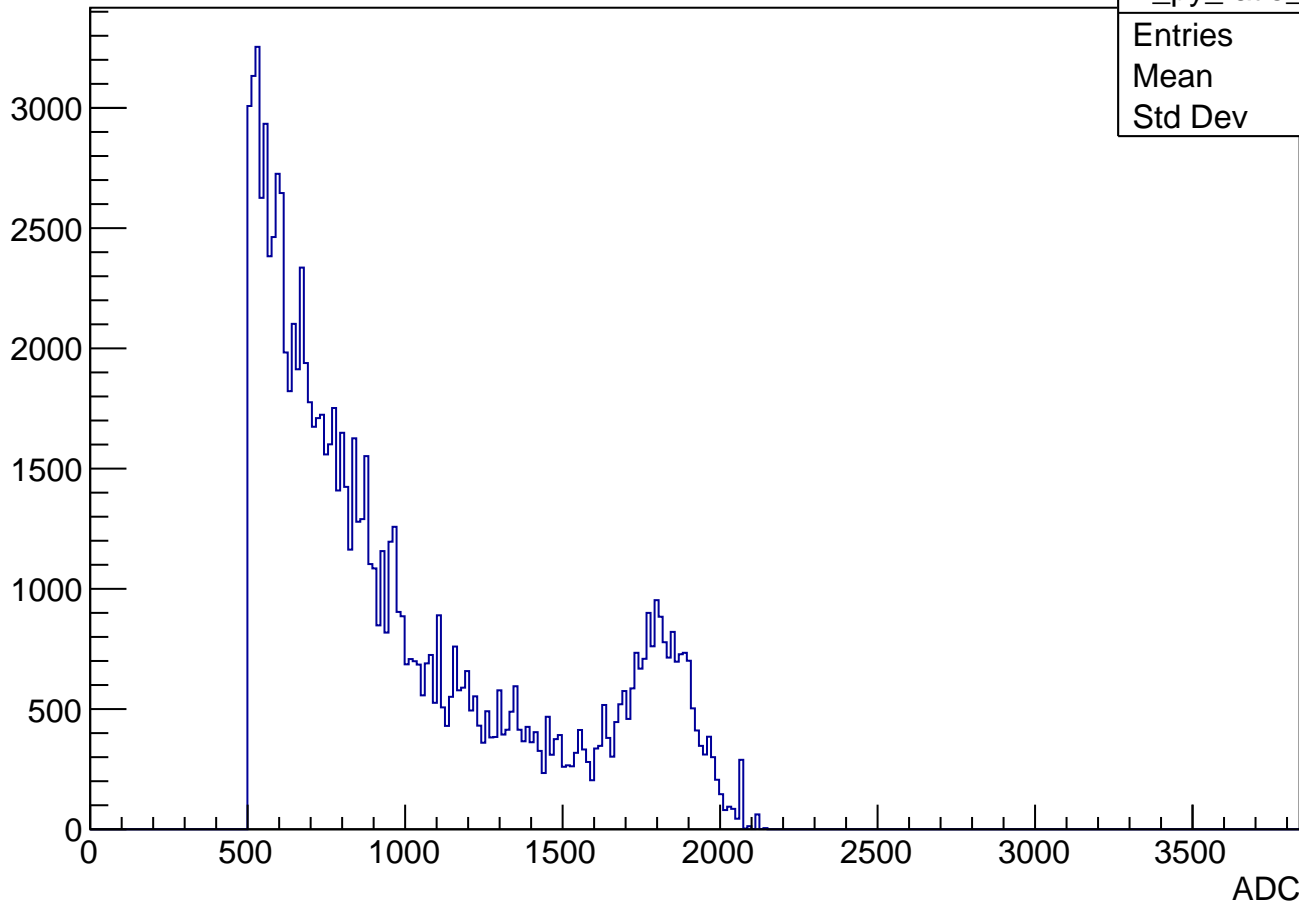




Entries



Entries



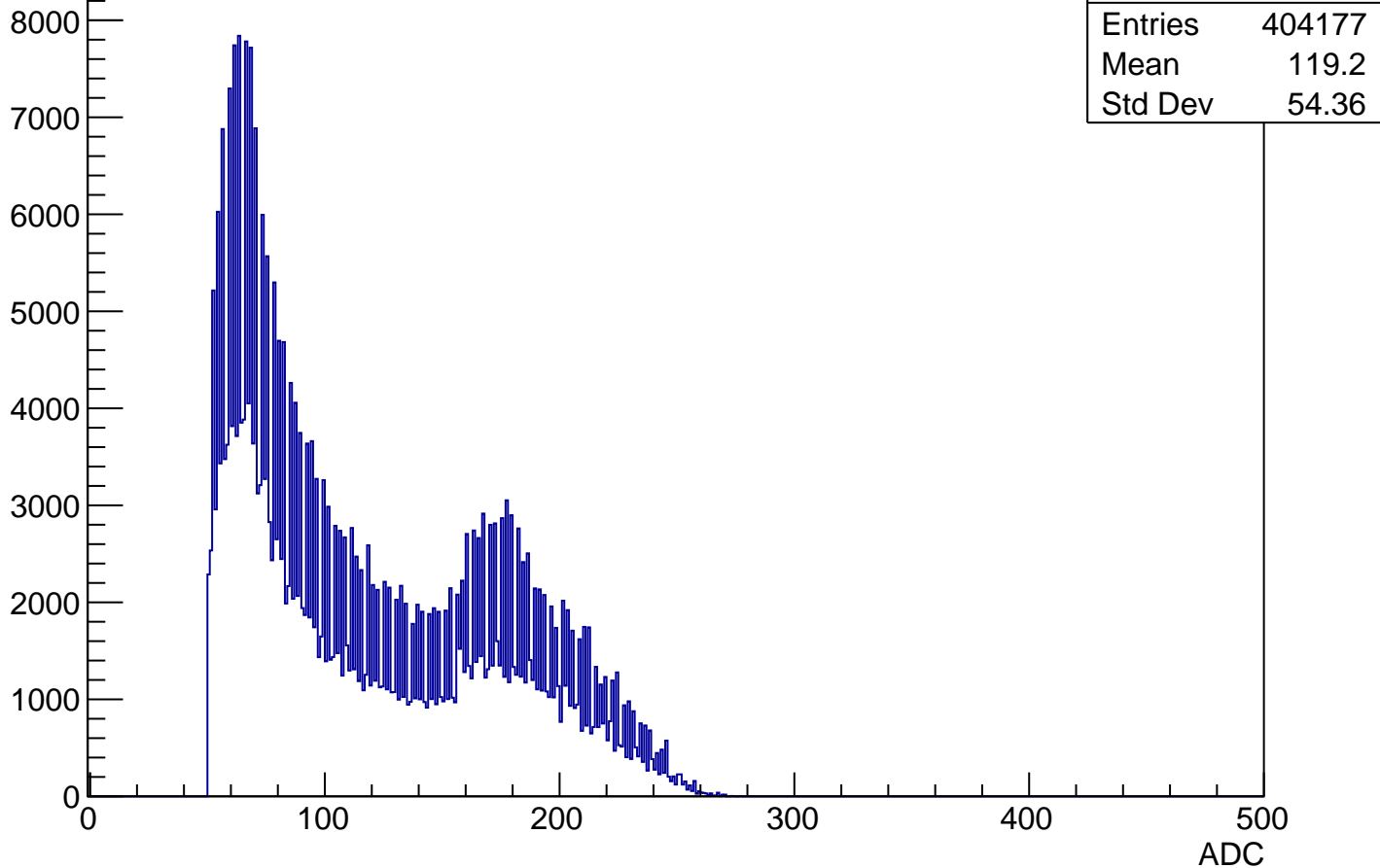
h_py_ratio_mean4

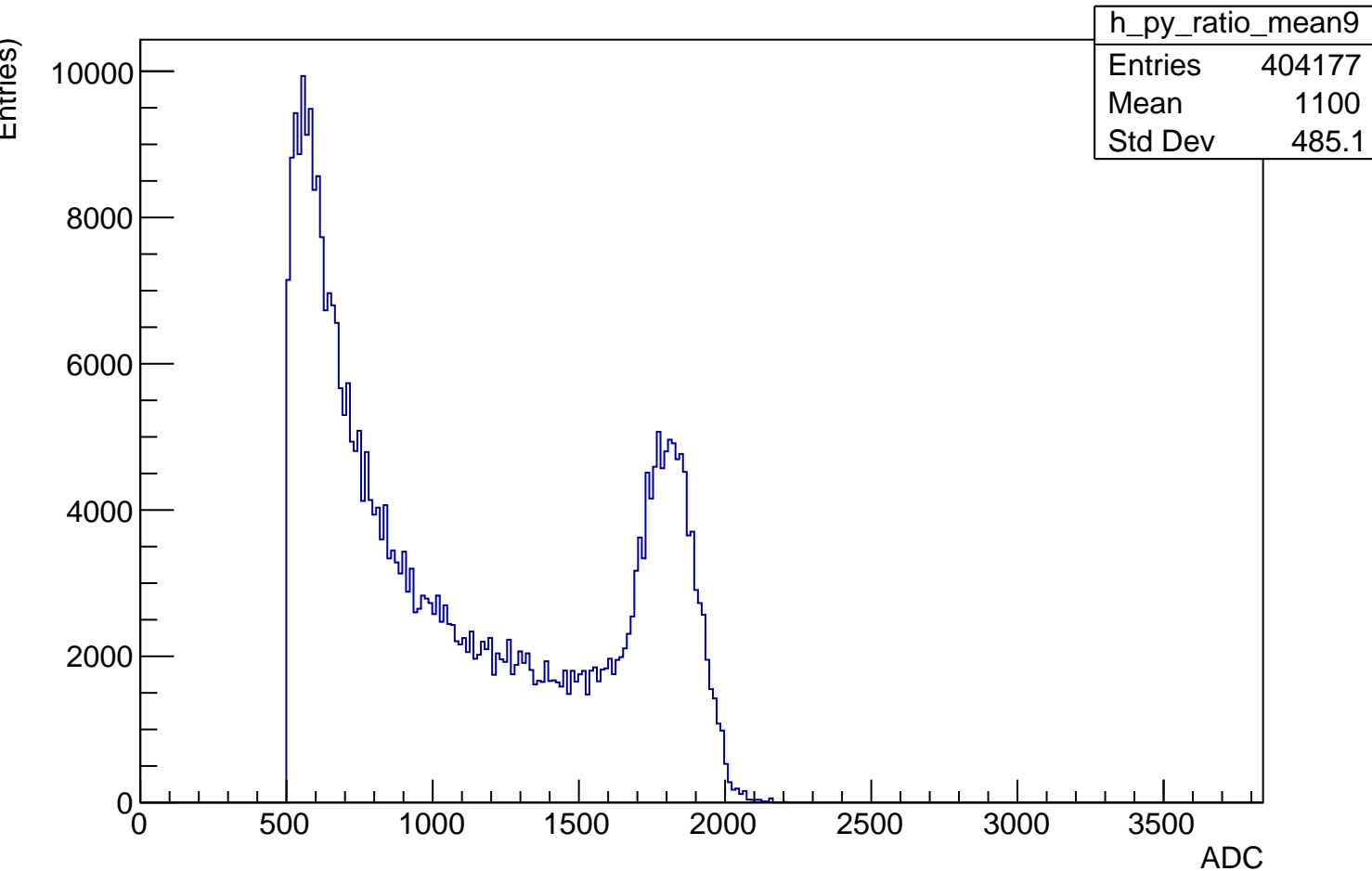
Entries 110463

Mean 996

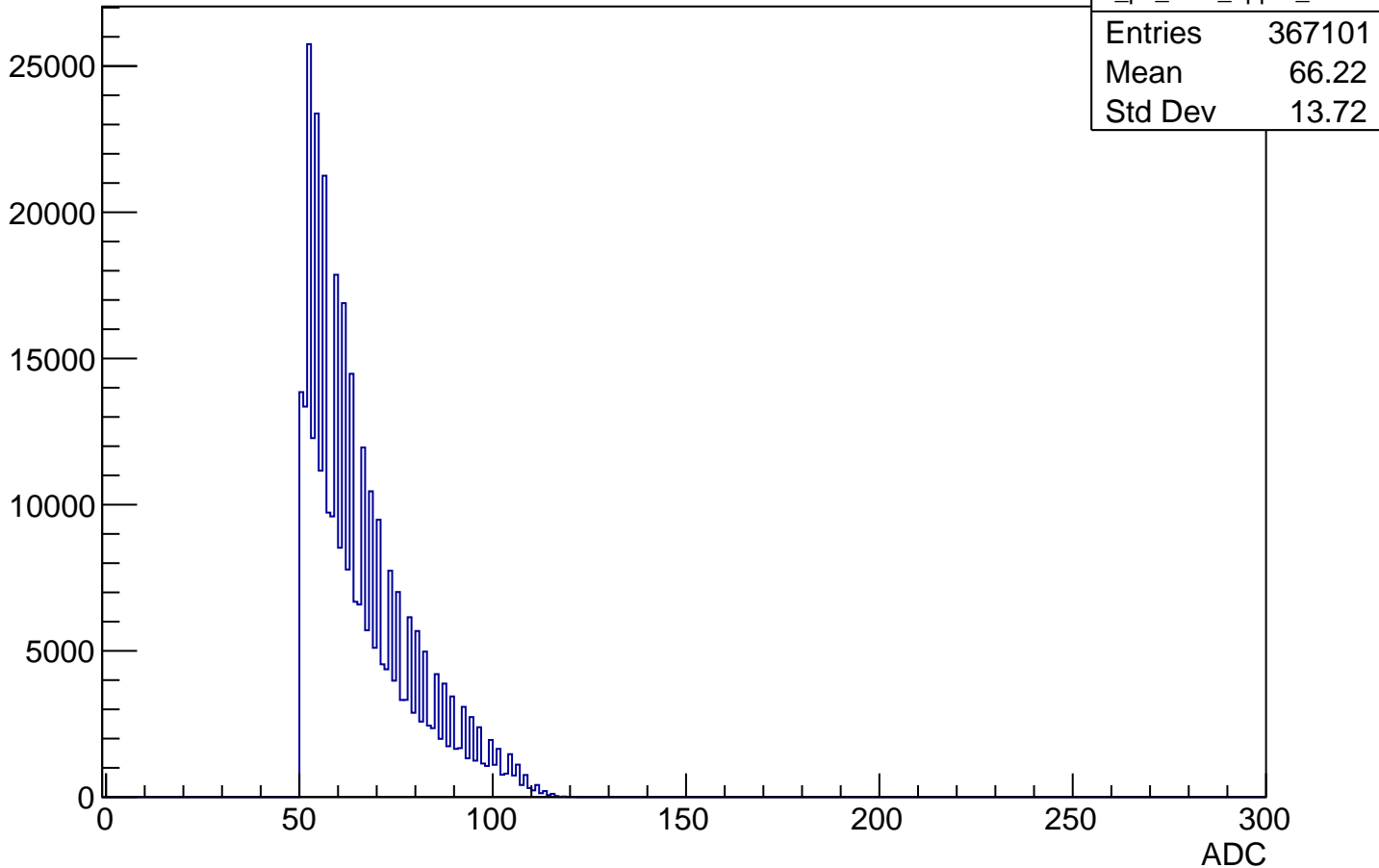
Std Dev 447

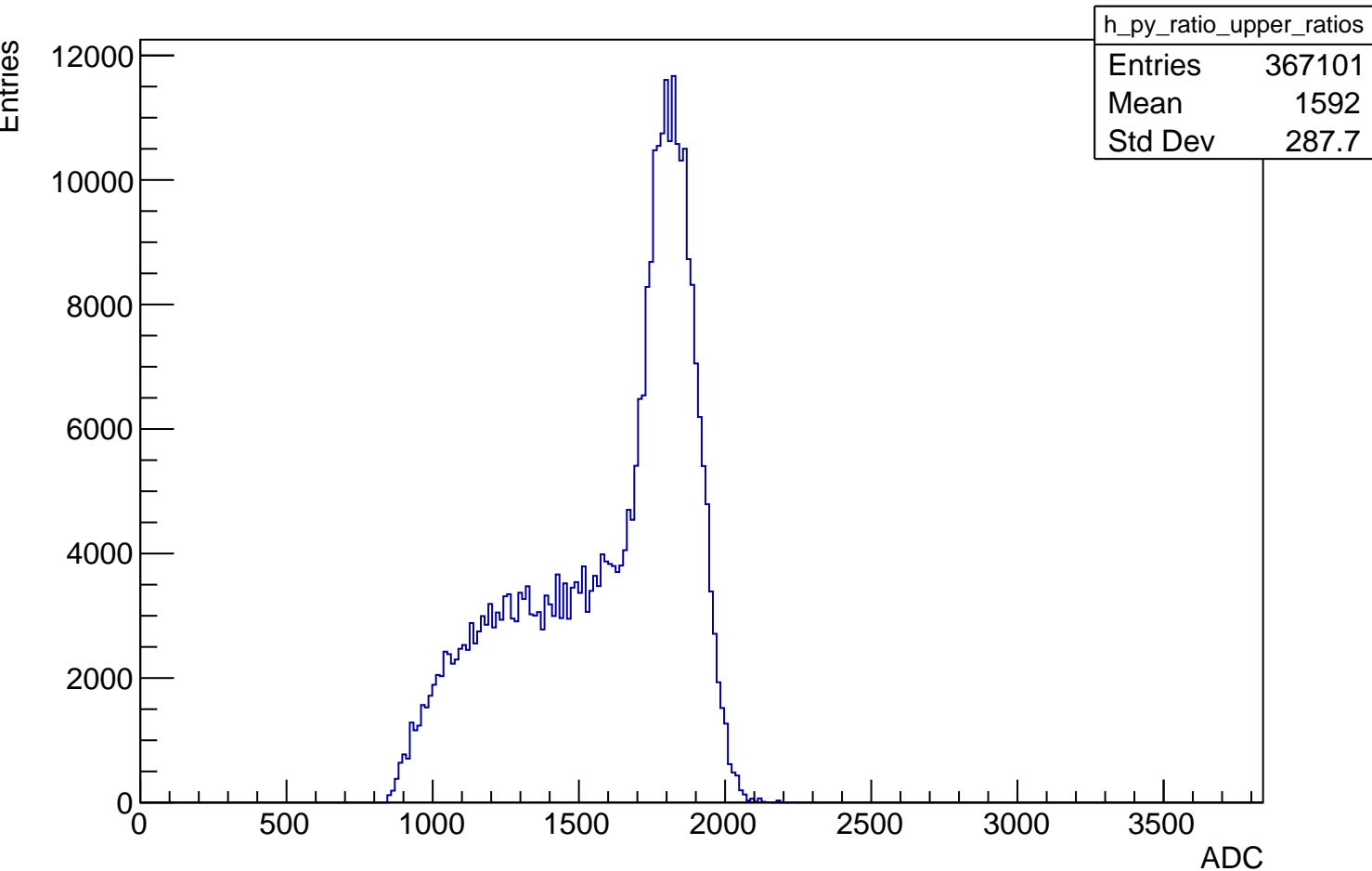
Entries)



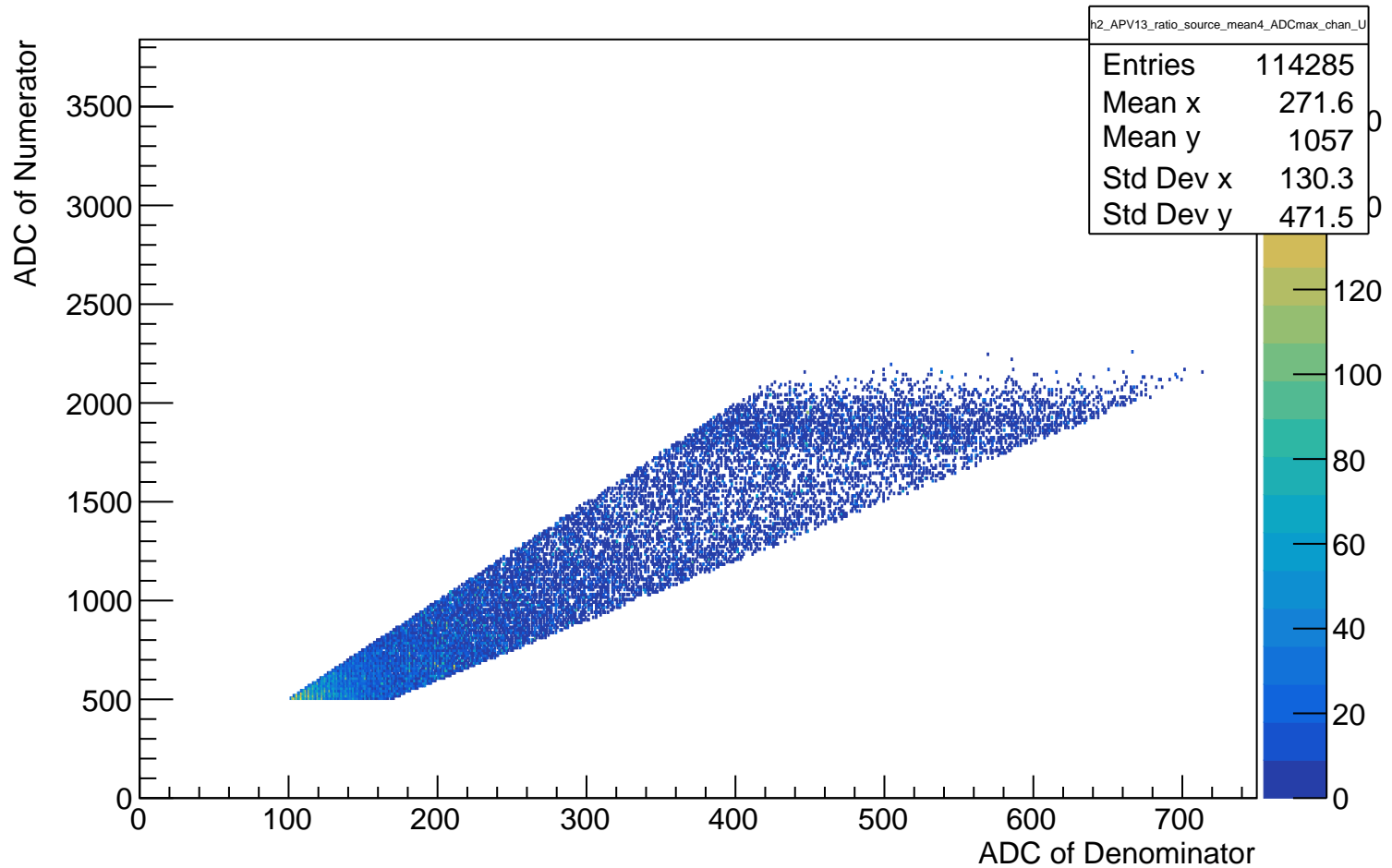


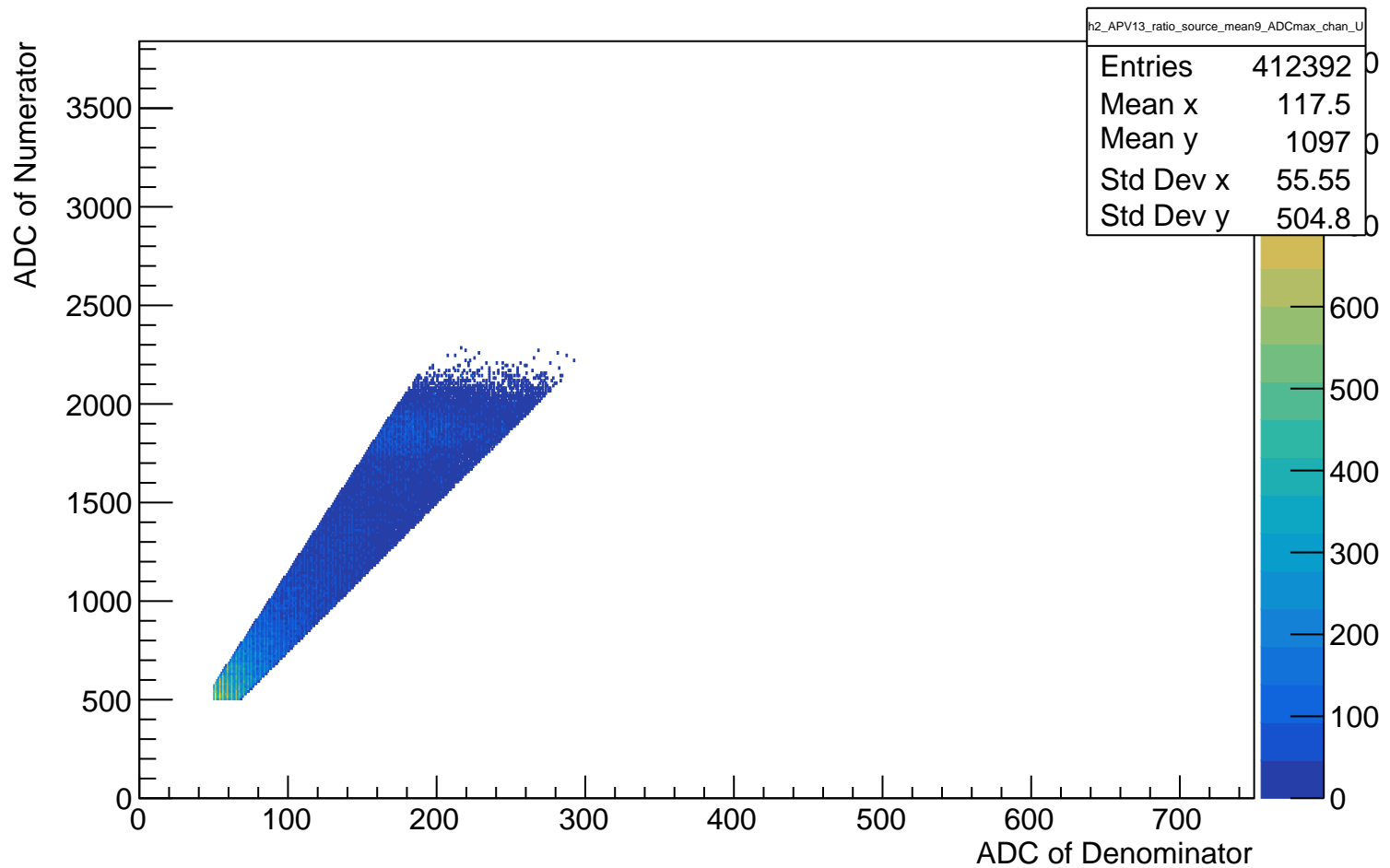
Entries

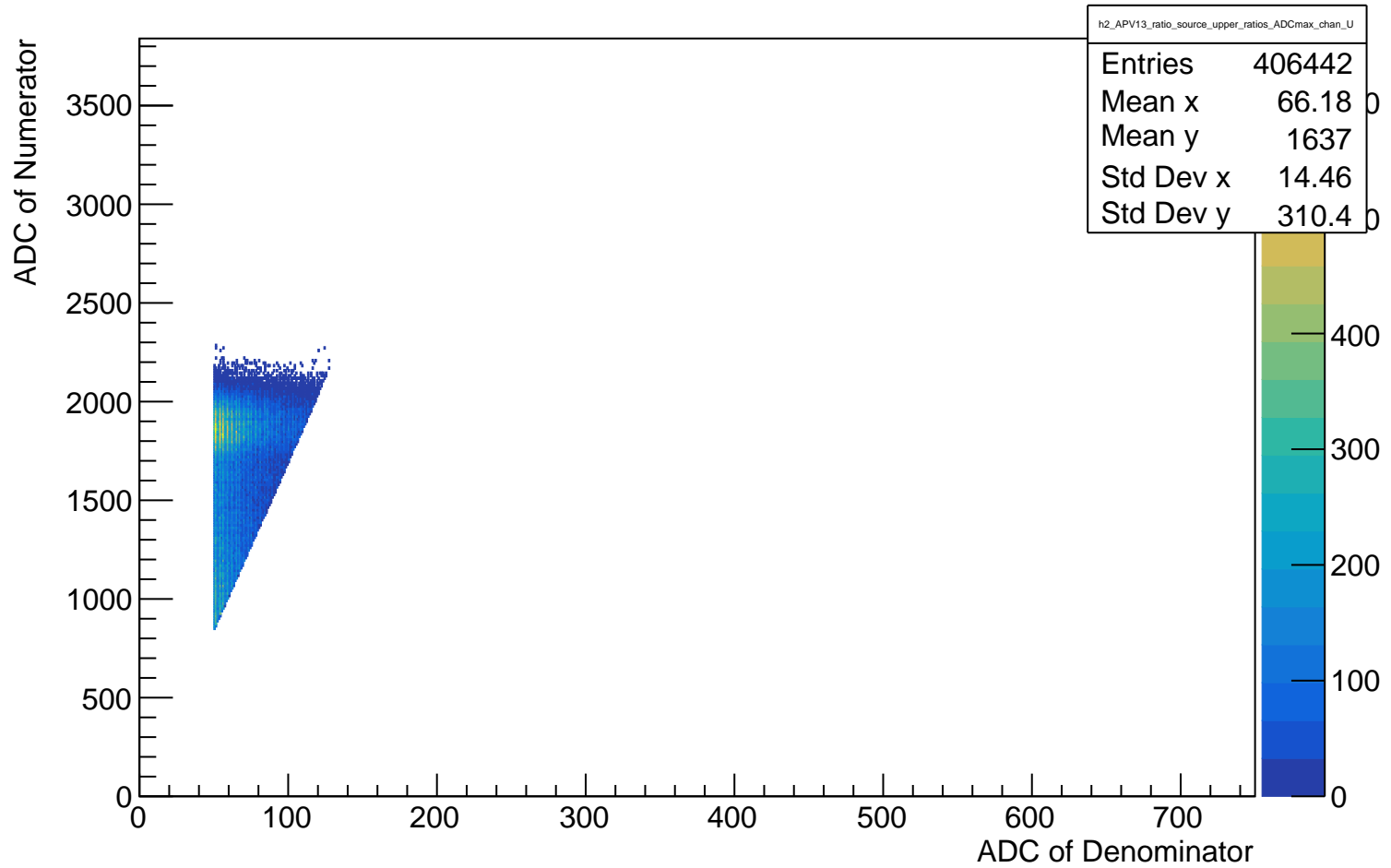




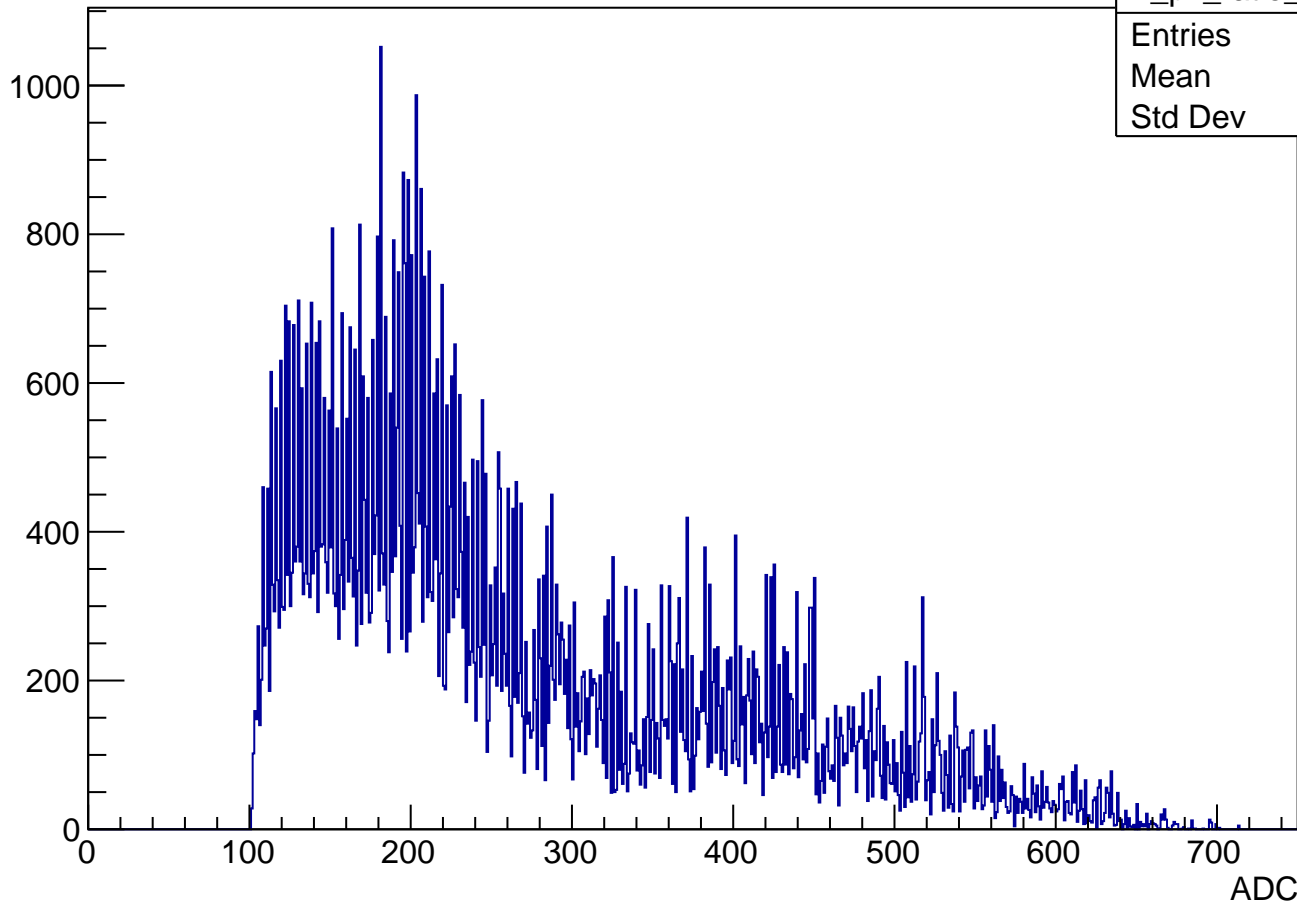
APV13 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500





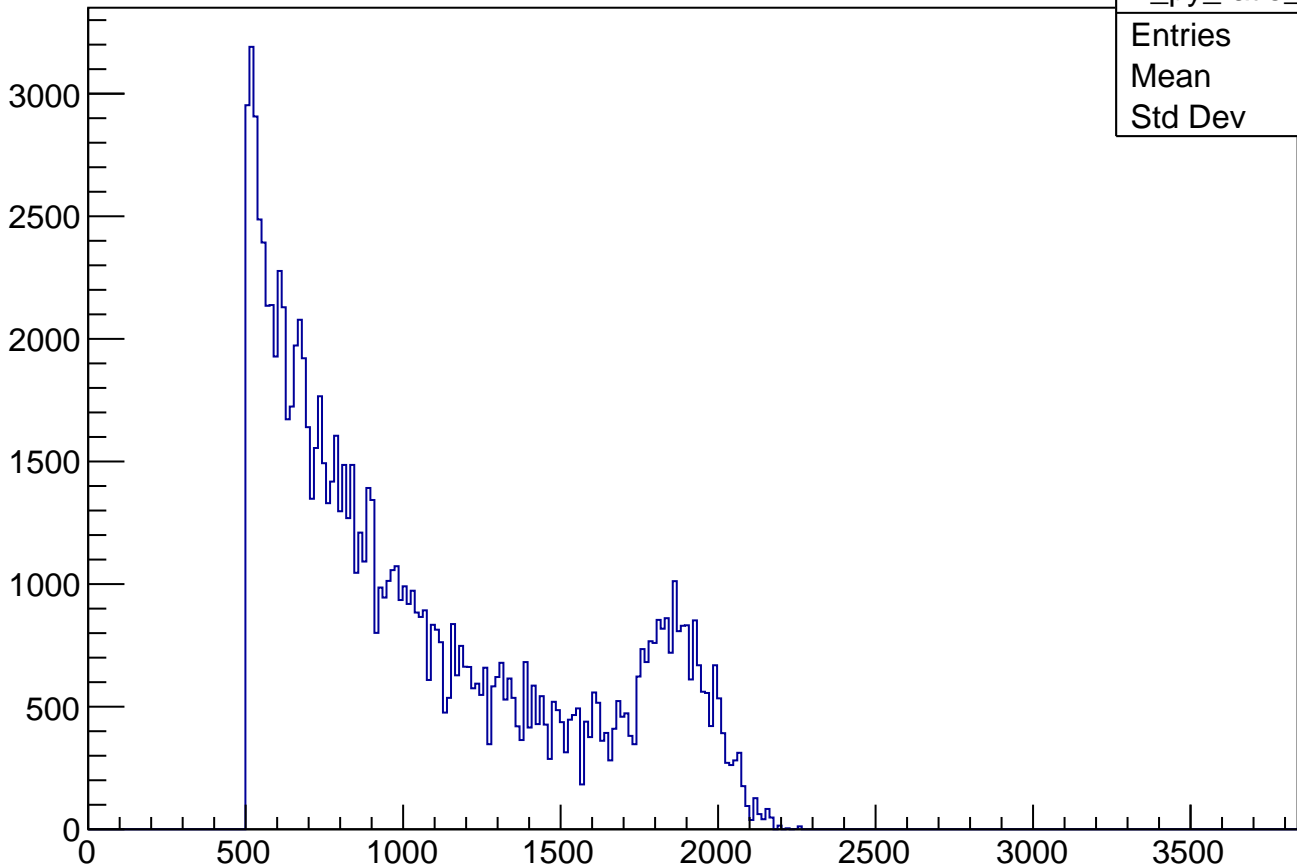


Entries



ADC

Entries



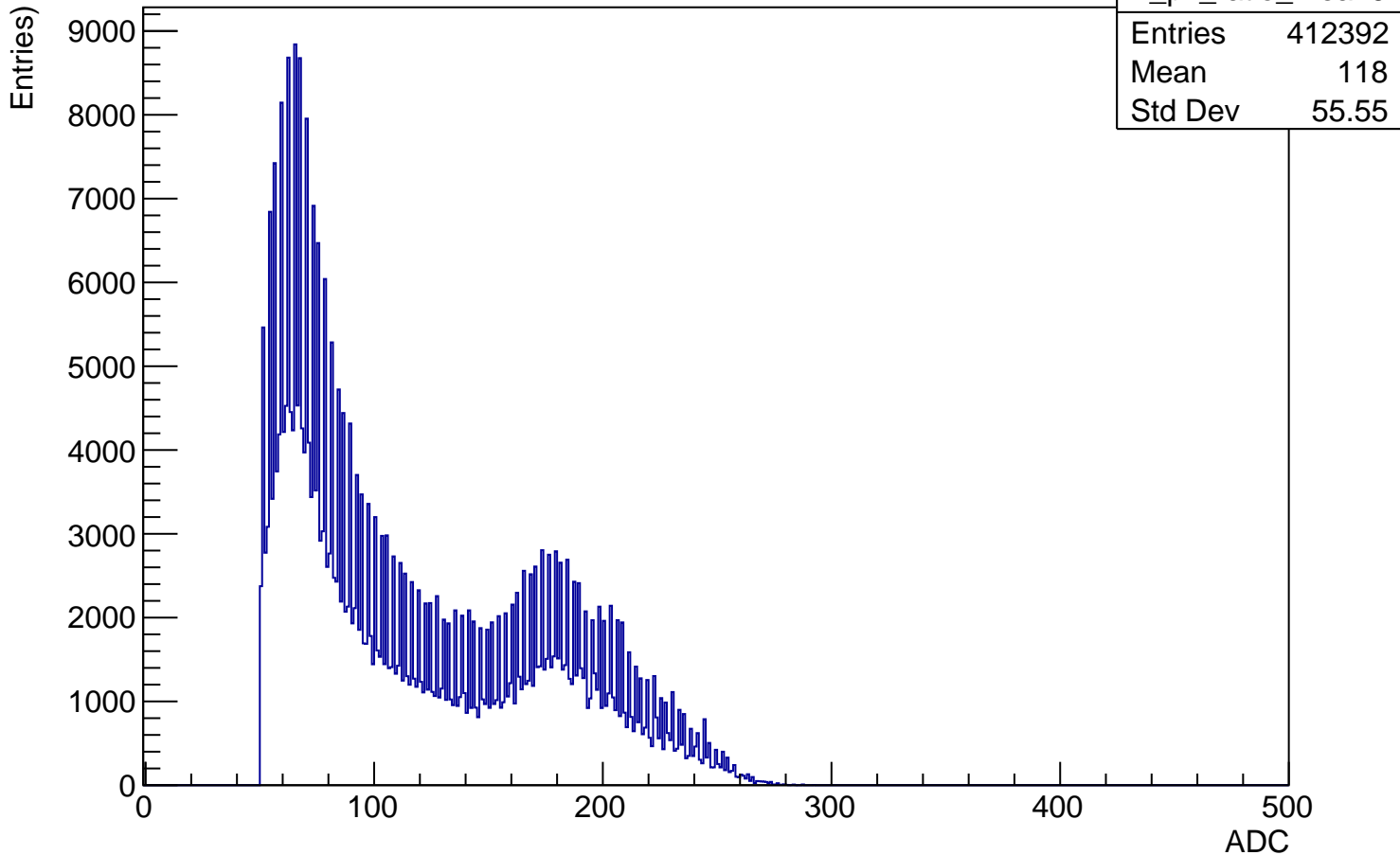
h_py_ratio_mean4

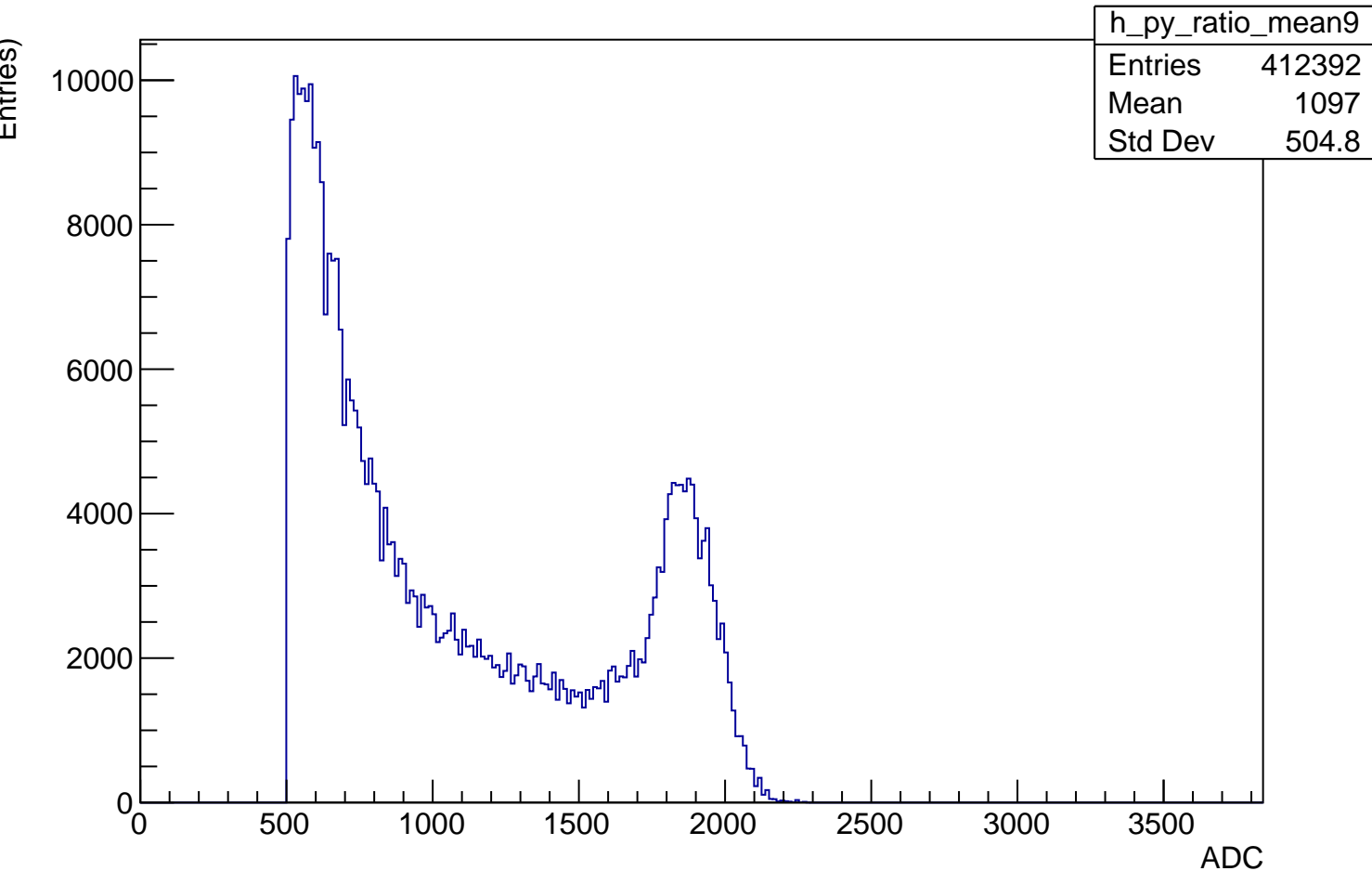
Entries 114285

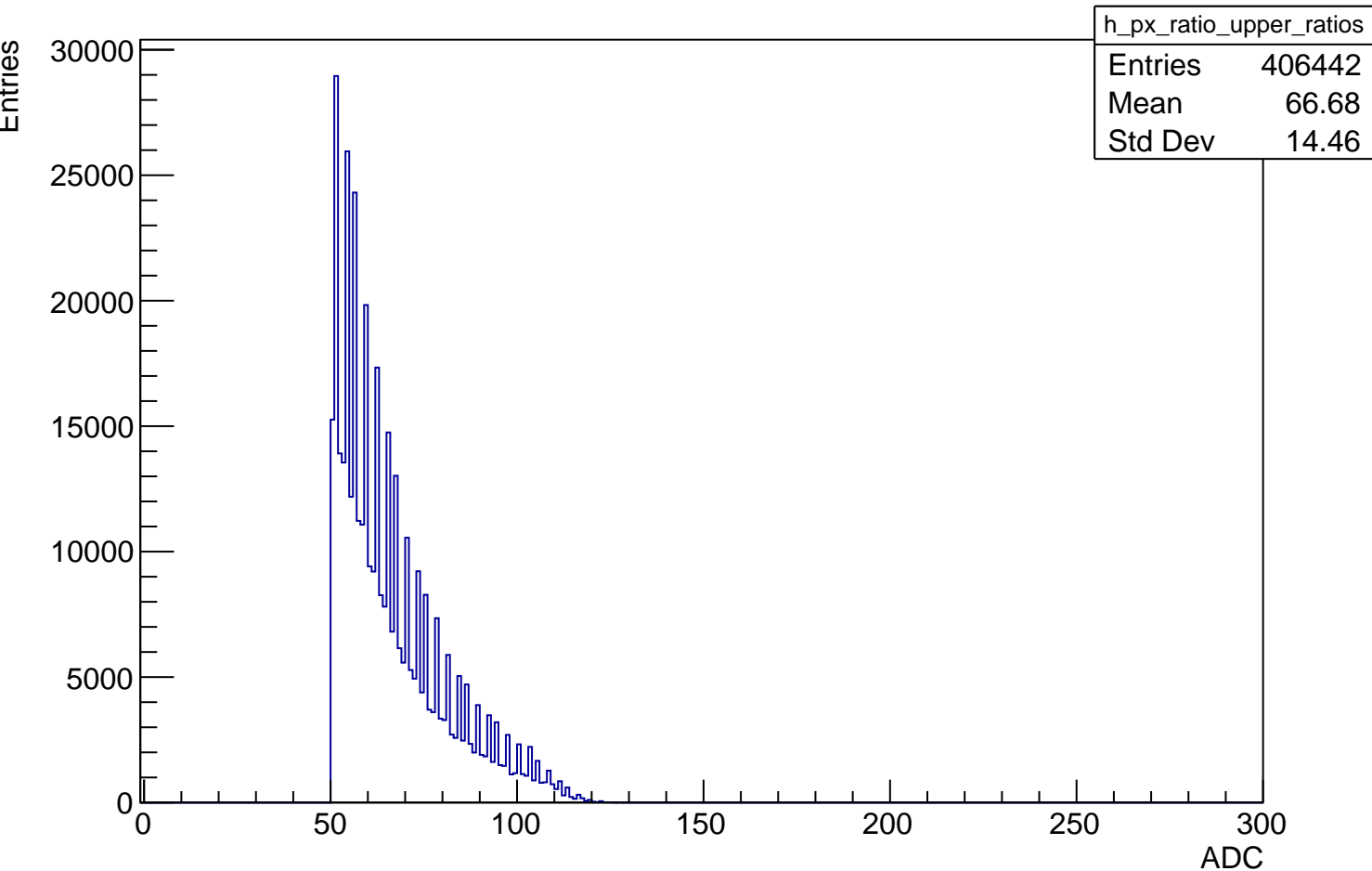
Mean 1057

Std Dev 471.5

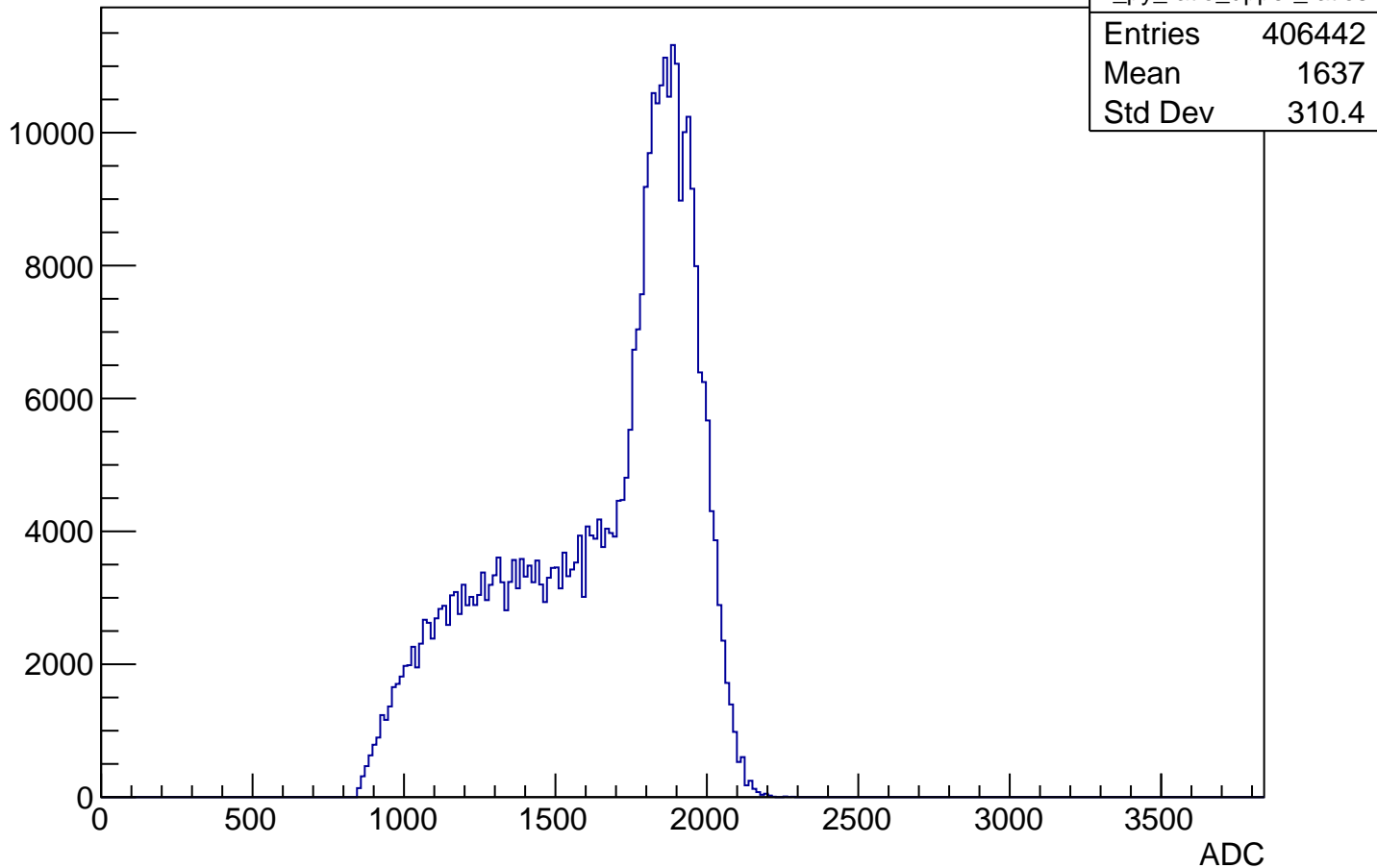
ADC



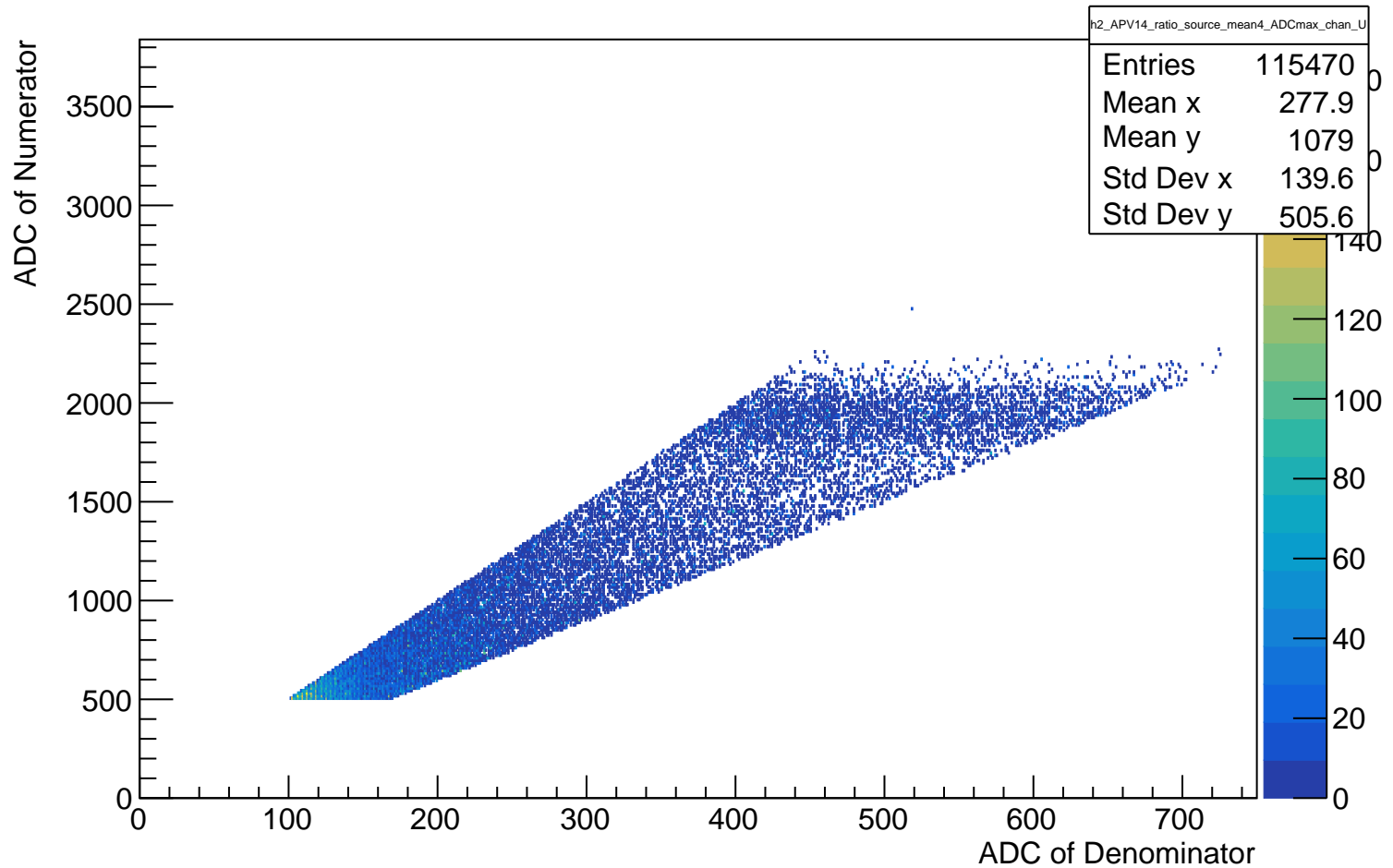




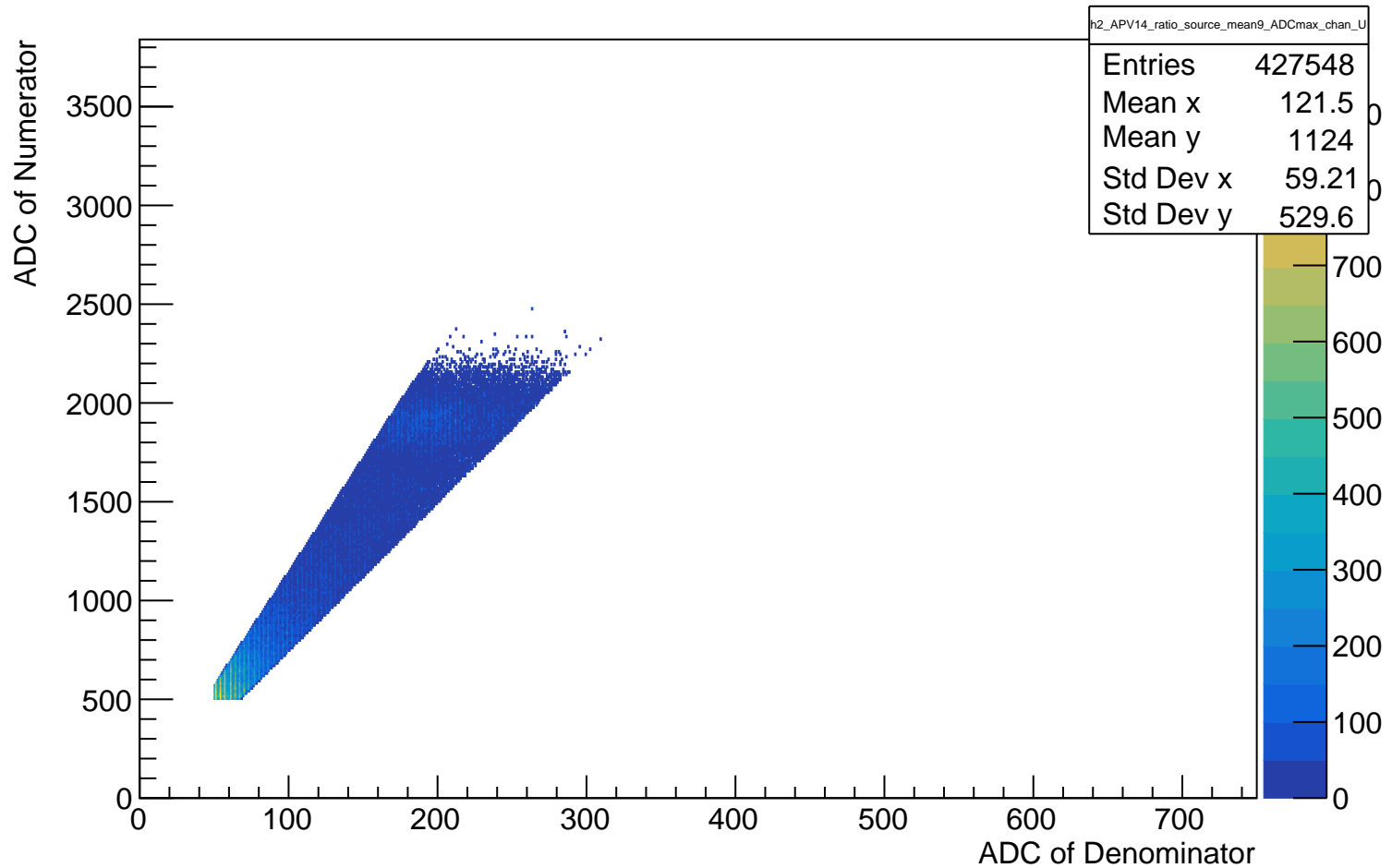
Entries



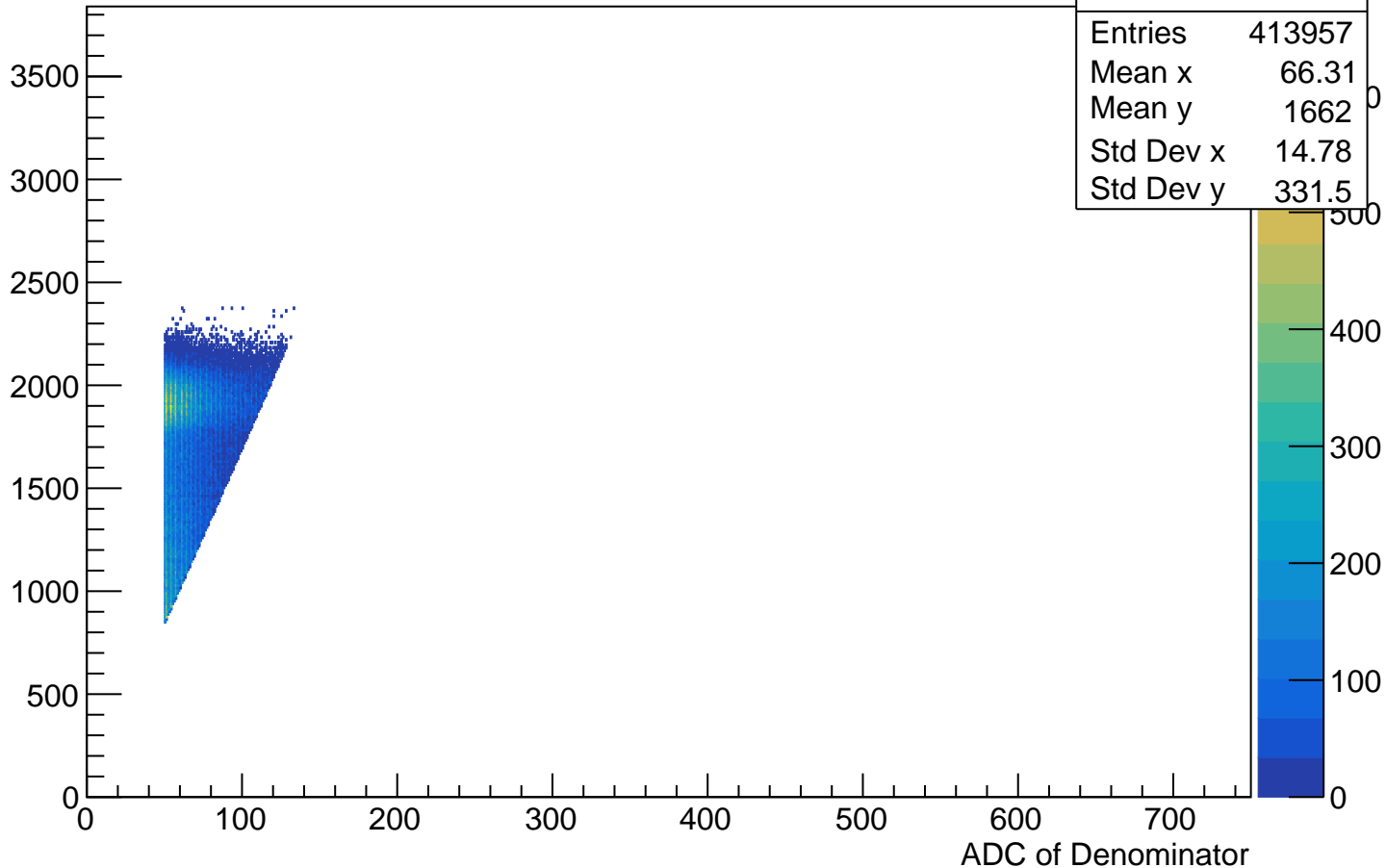
APV14 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



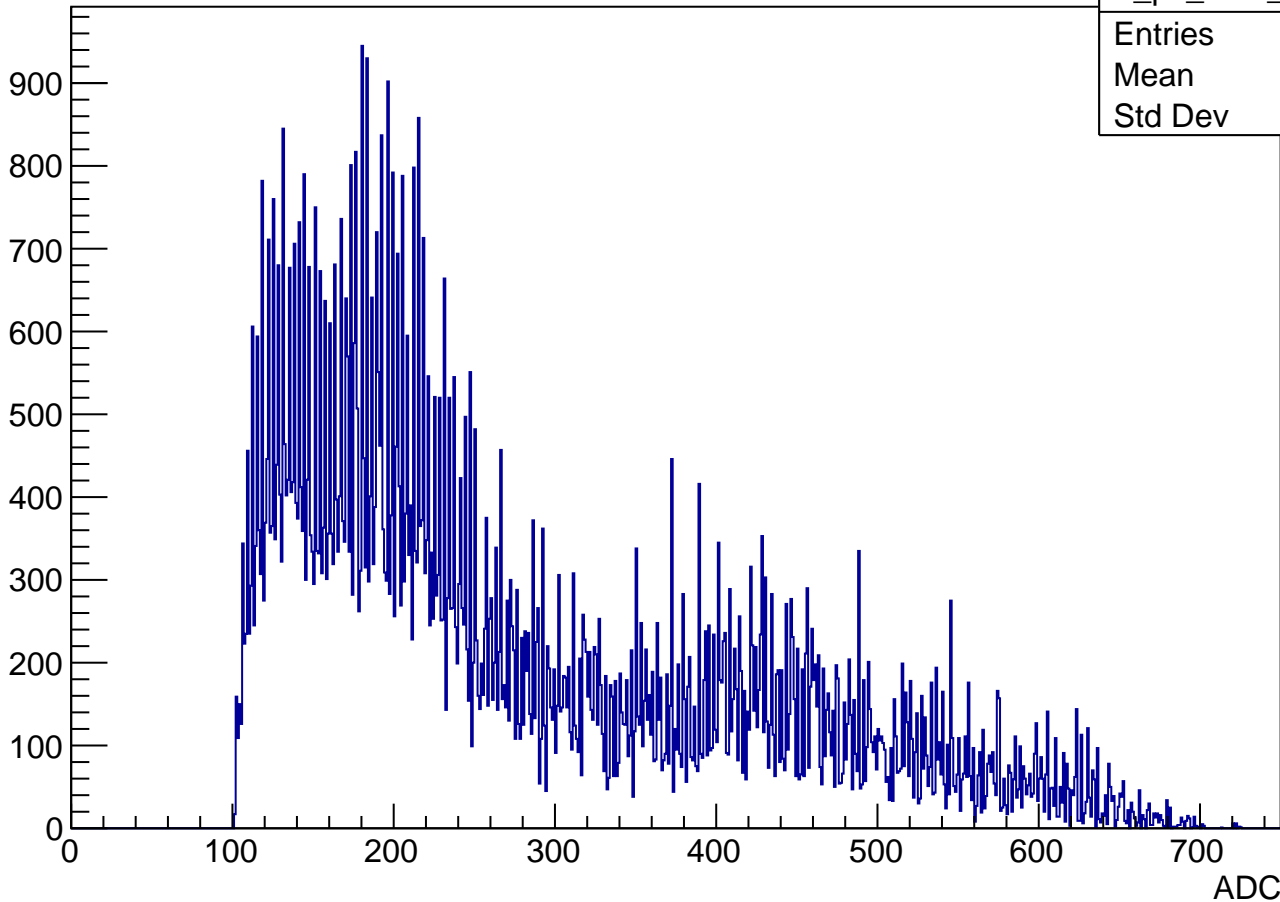
APV14 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



ADC of Numerator

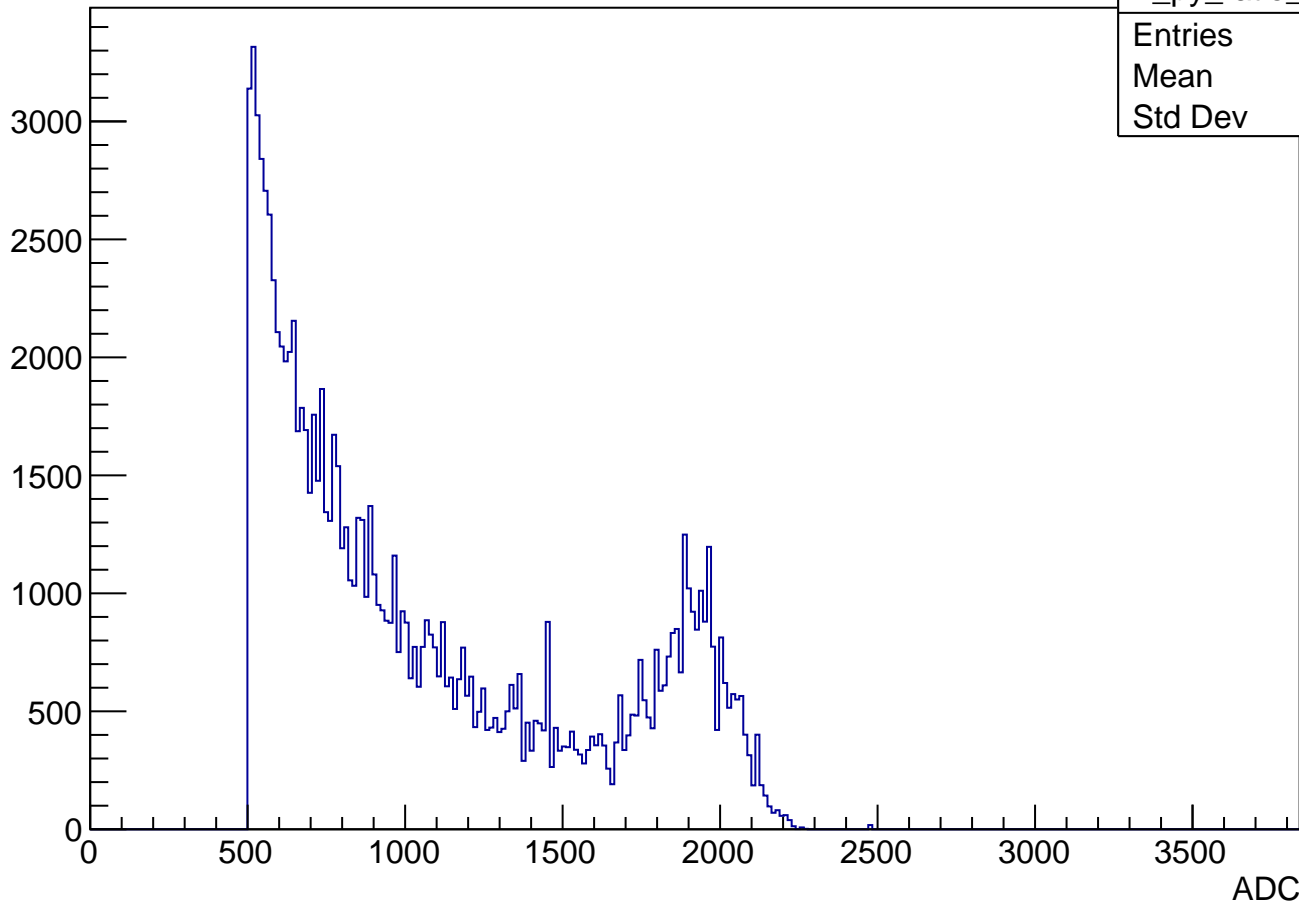


Entries



ADC

Entries



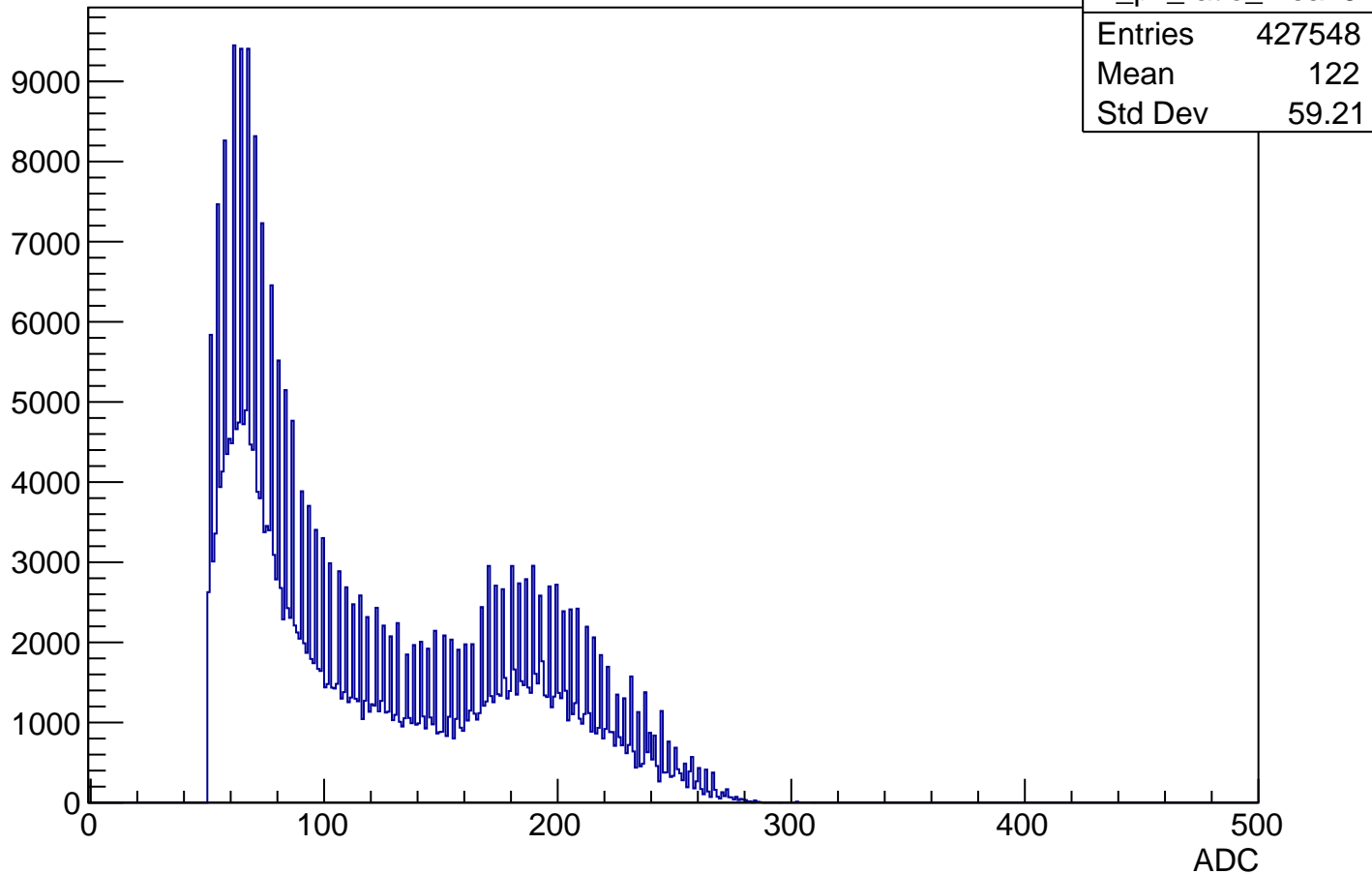
h_py_ratio_mean4

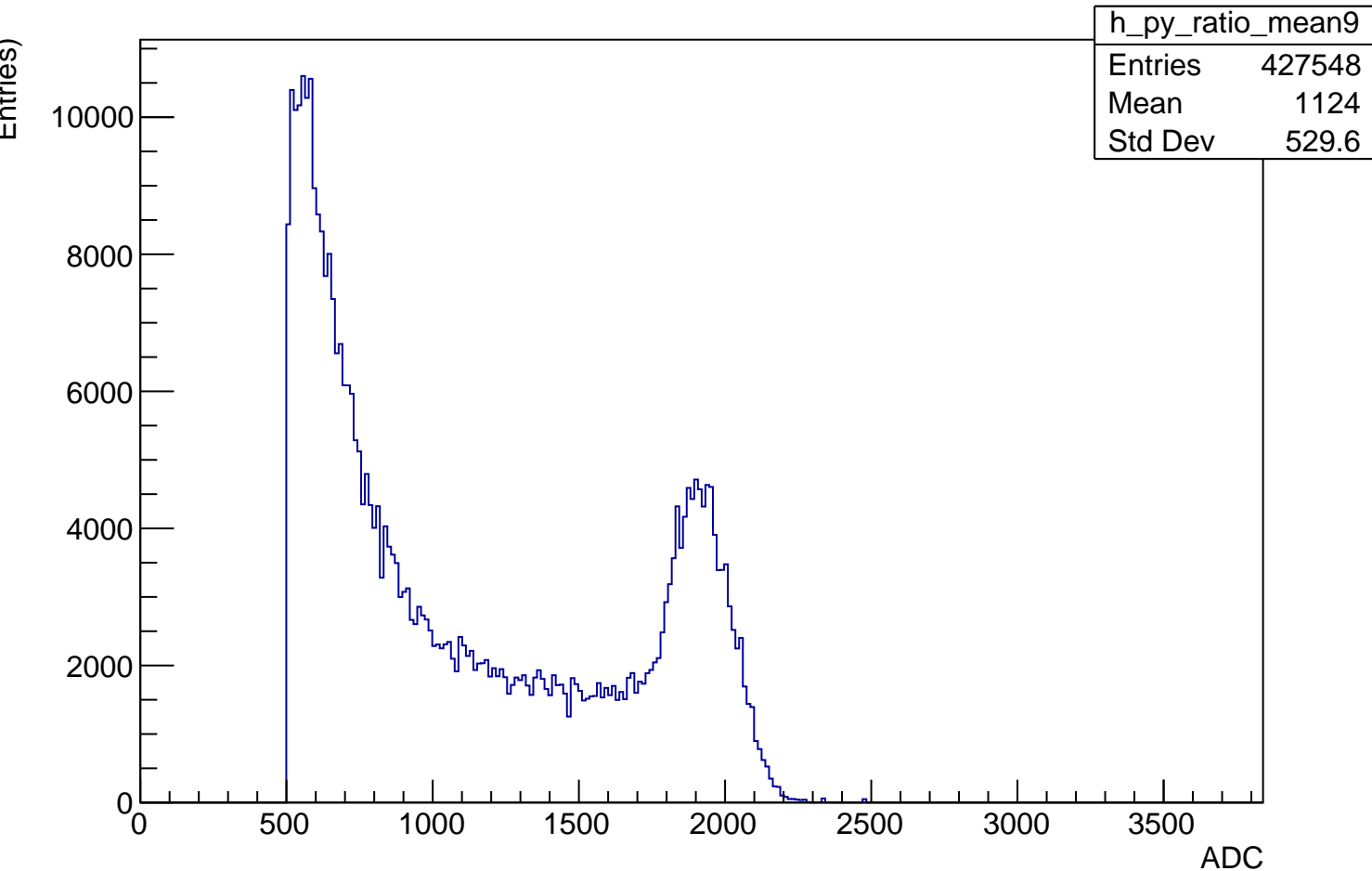
Entries 115470

Mean 1079

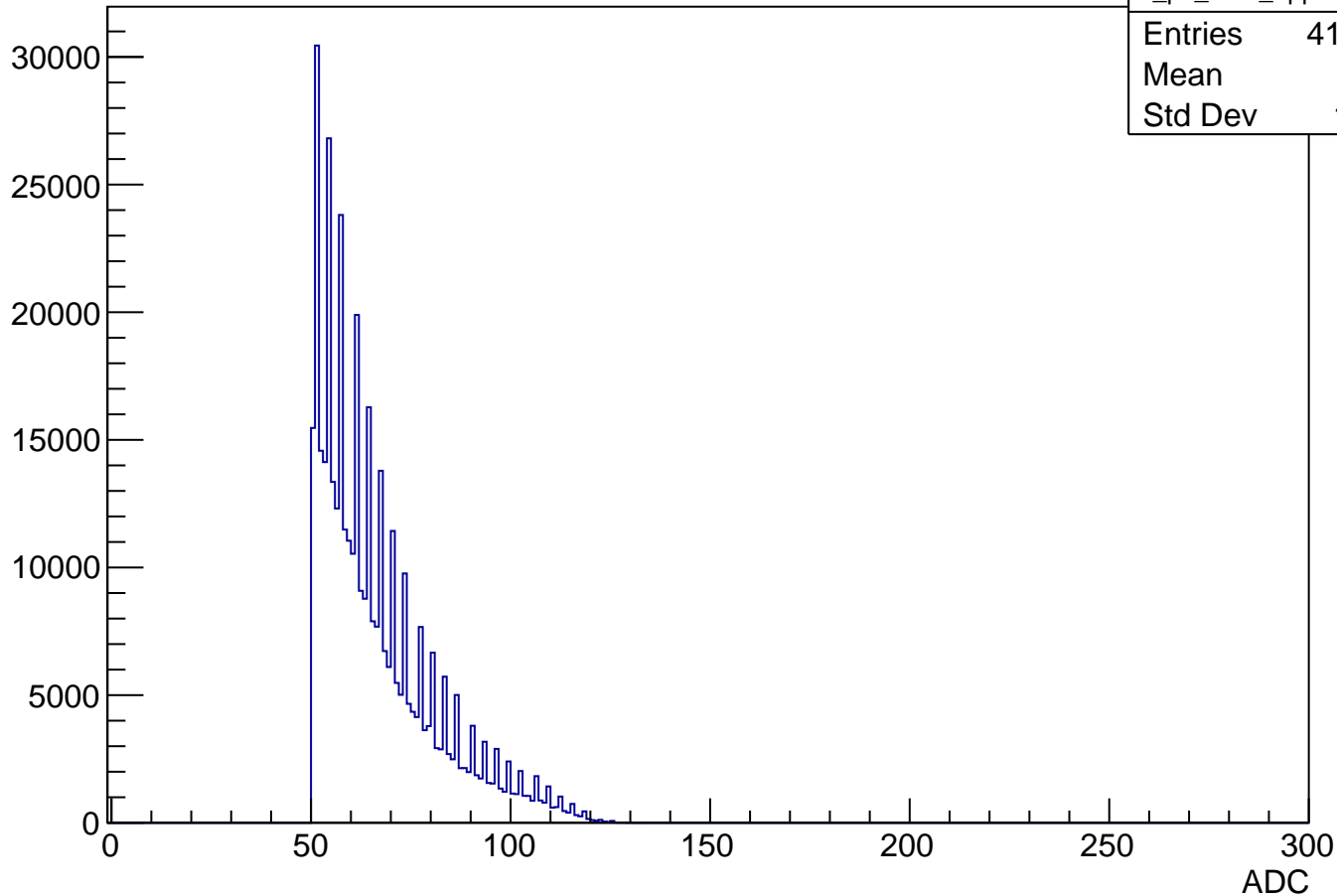
Std Dev 505.6

Entries)

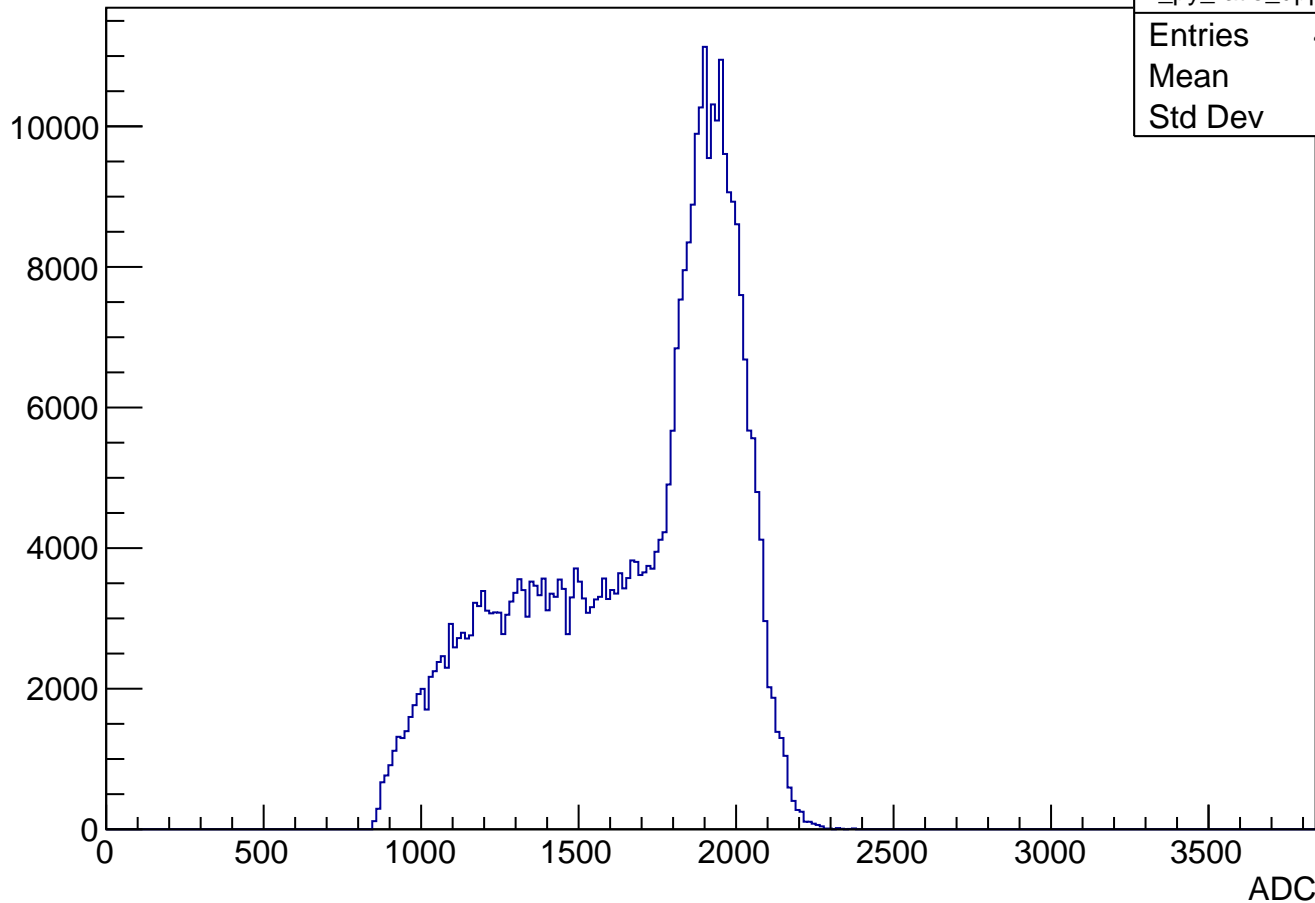




Entries



Entries



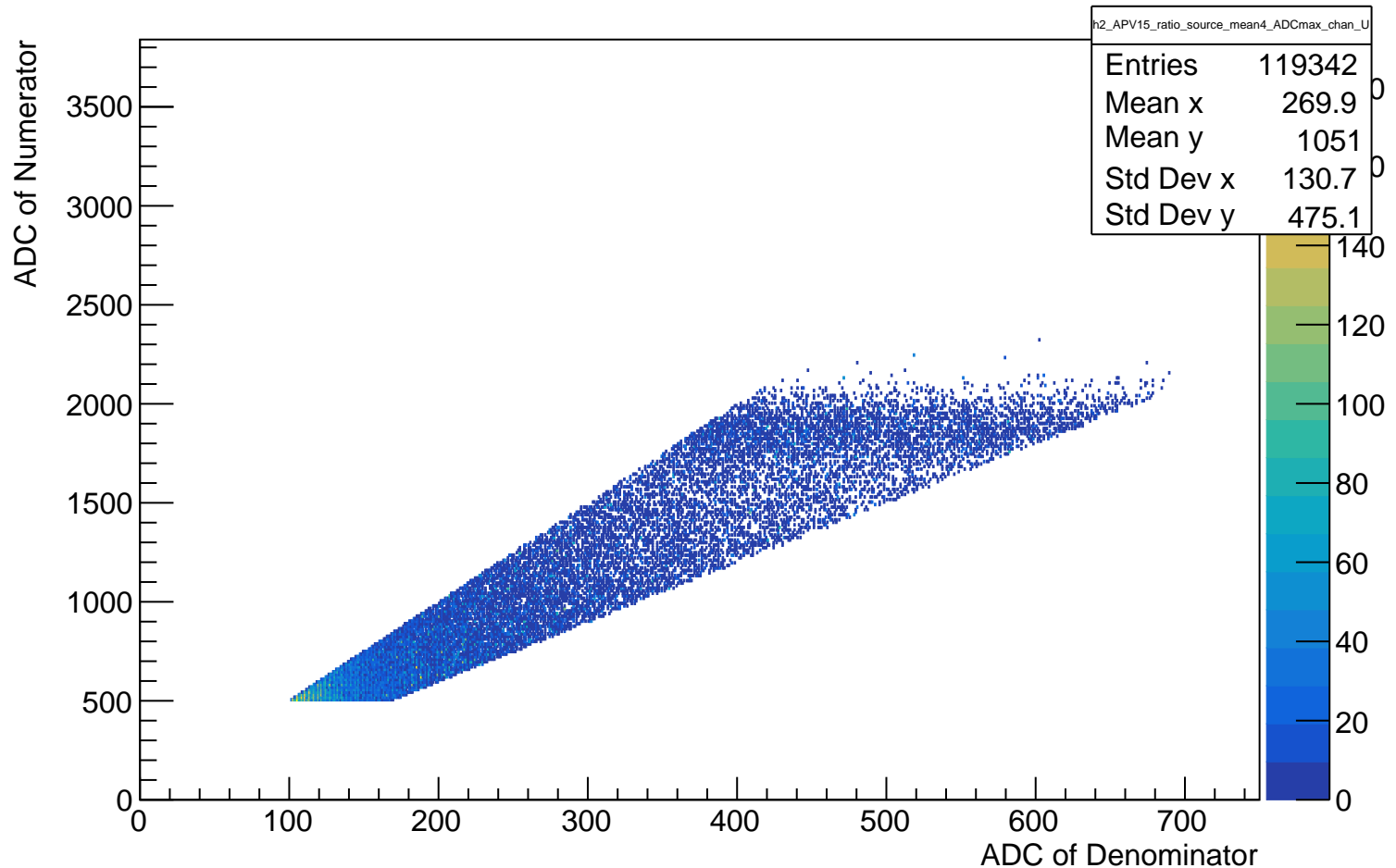
h_py_ratio_upper_ratios

Entries 413957

Mean 1662

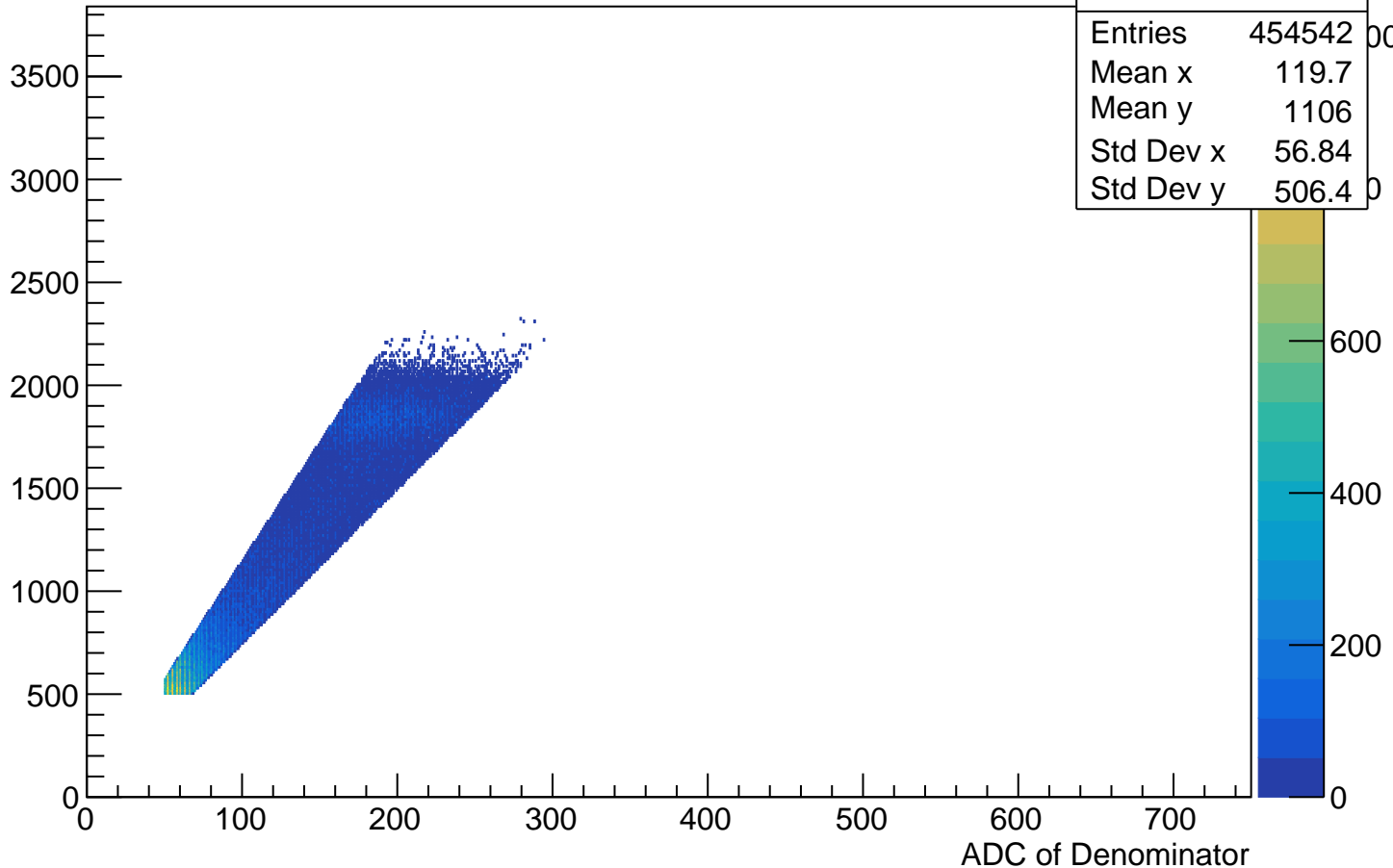
Std Dev 331.5

APV15 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

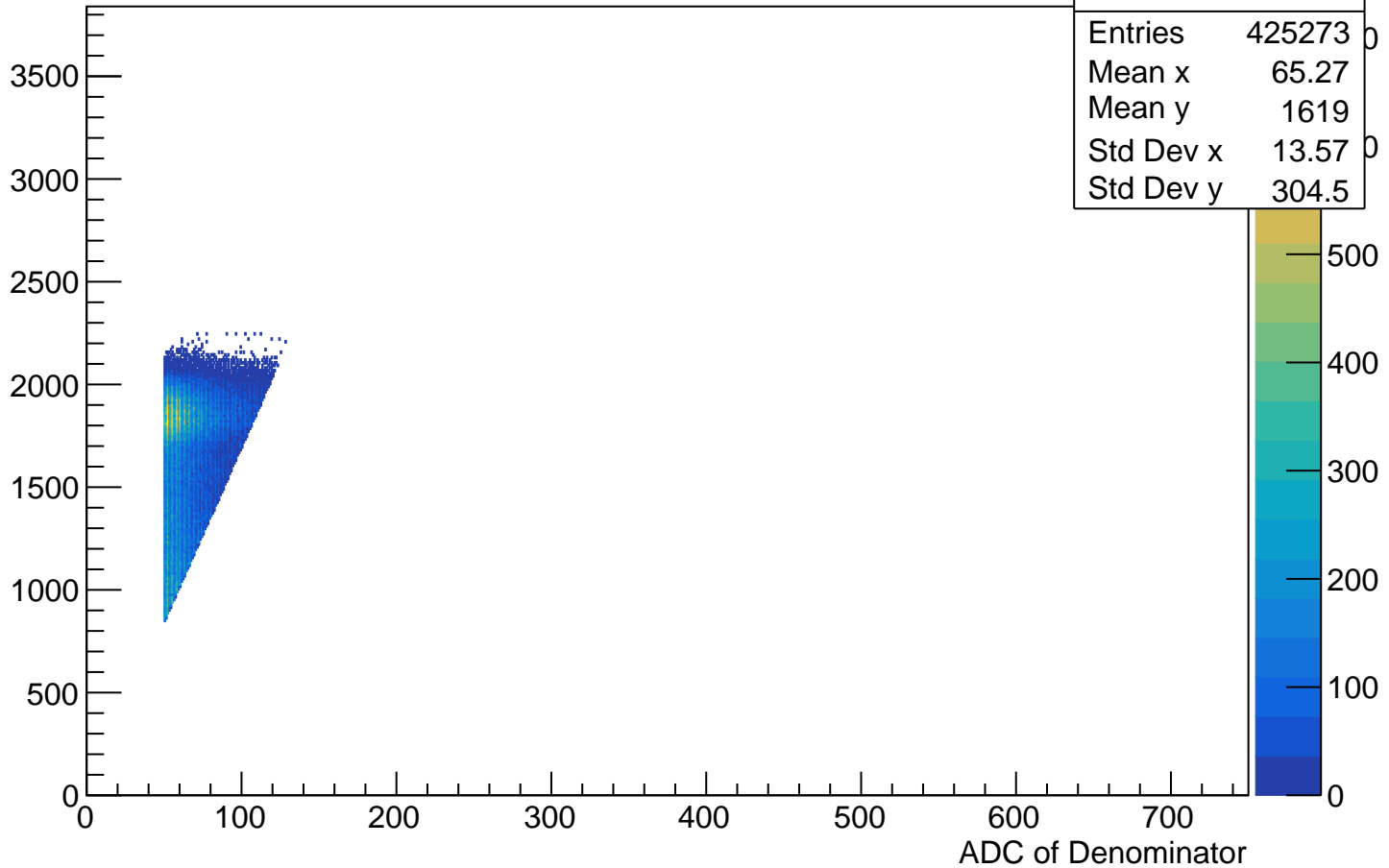


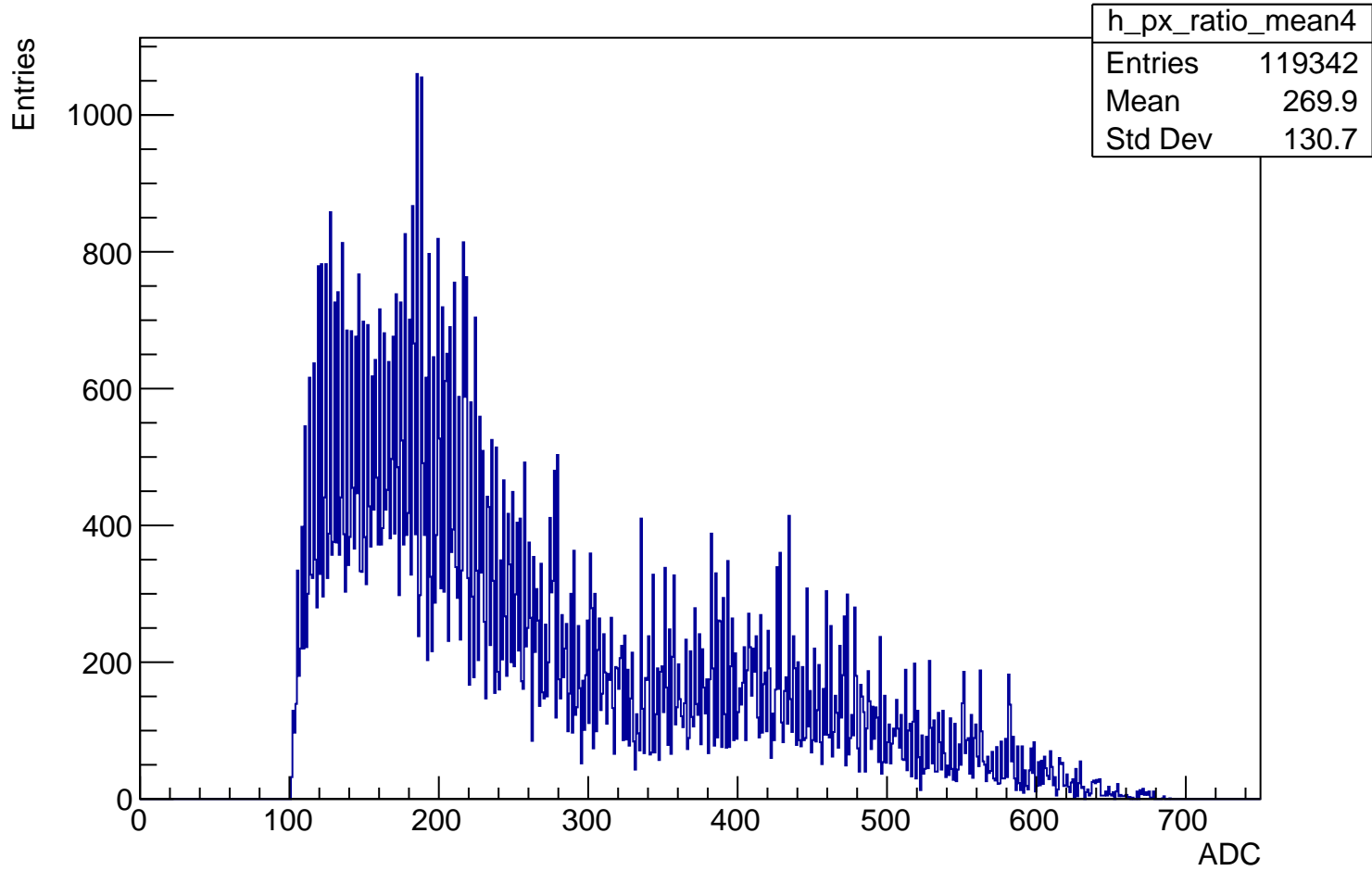
APV15 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

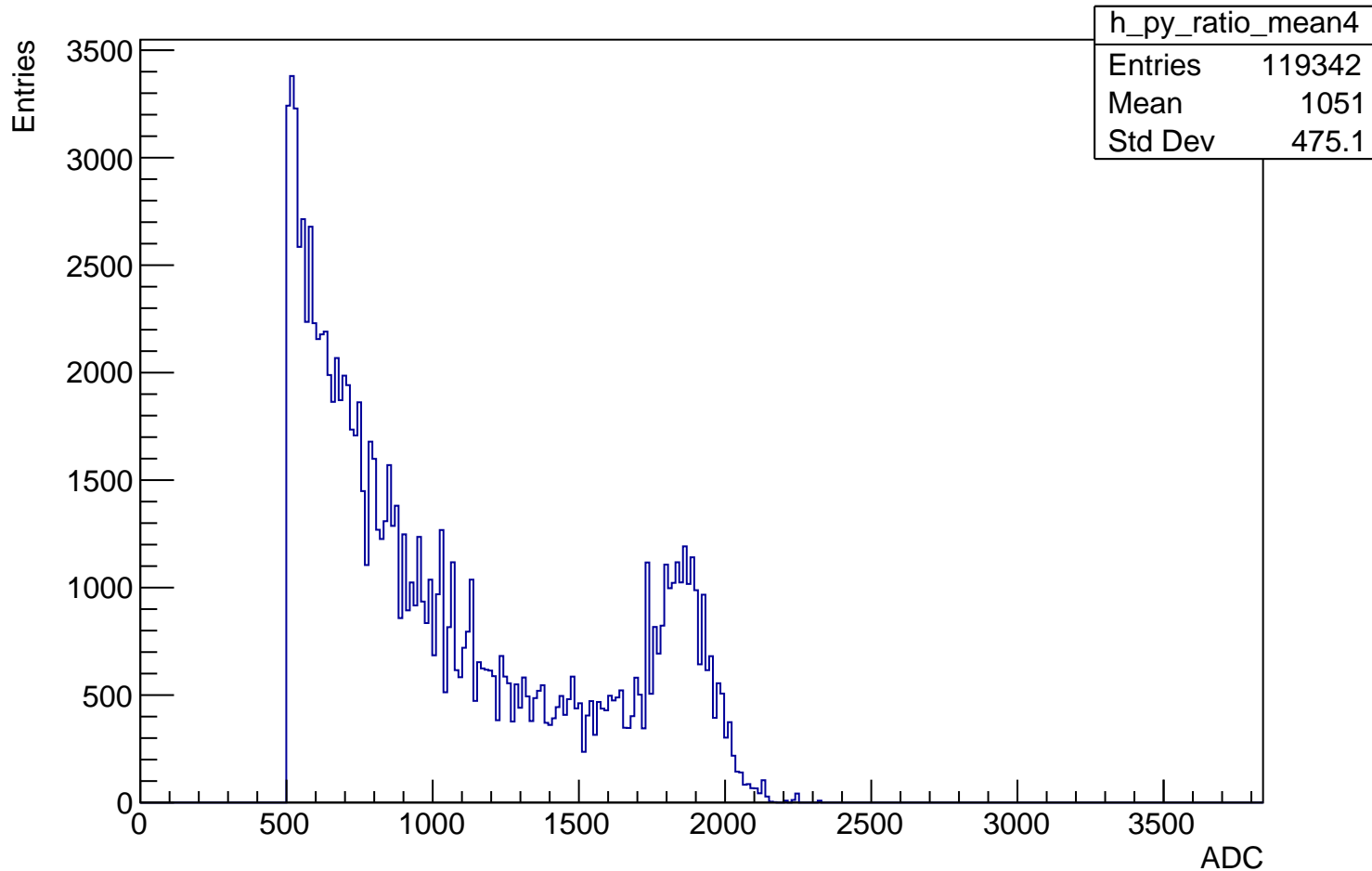
ADC of Numerator

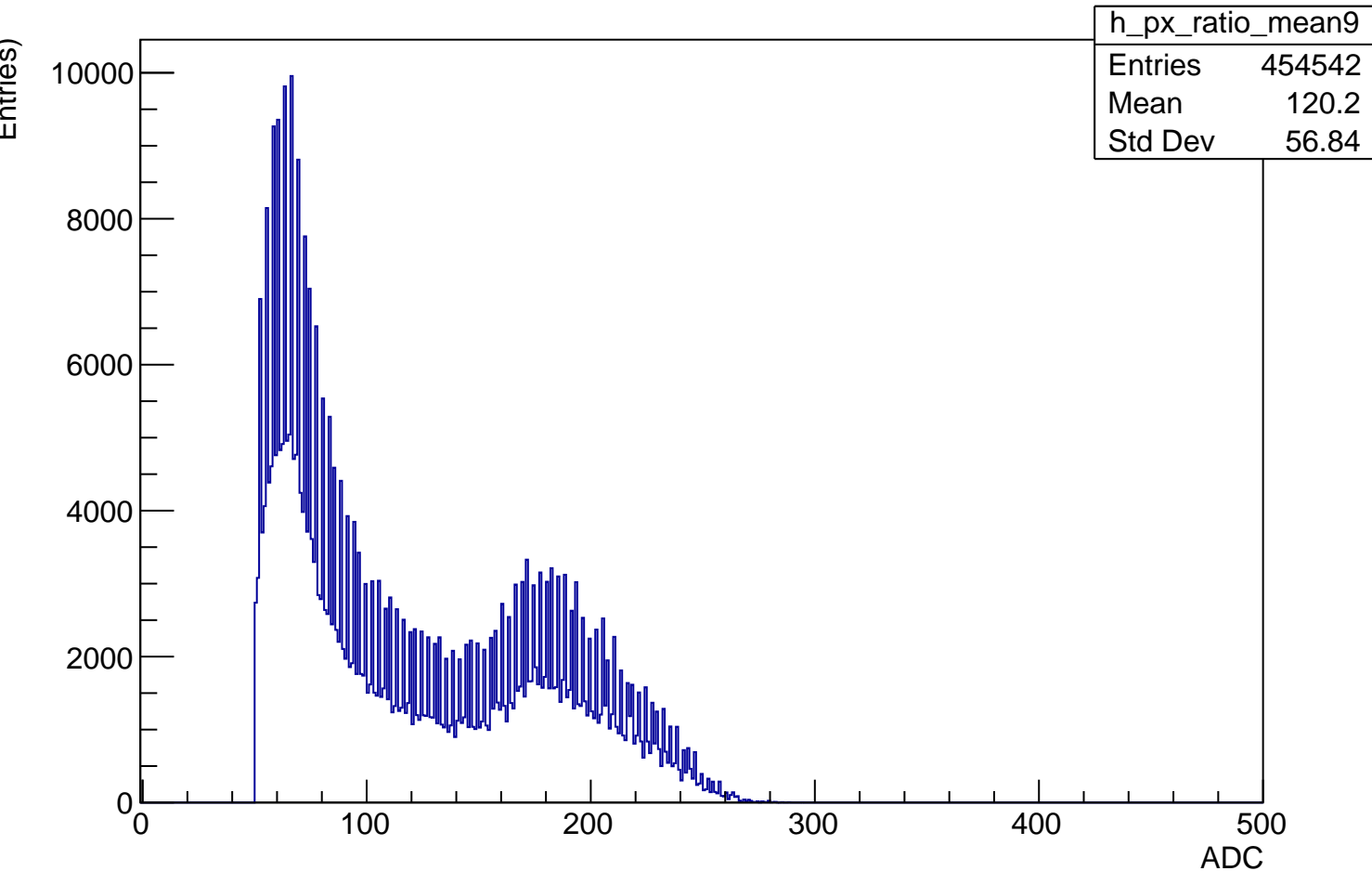


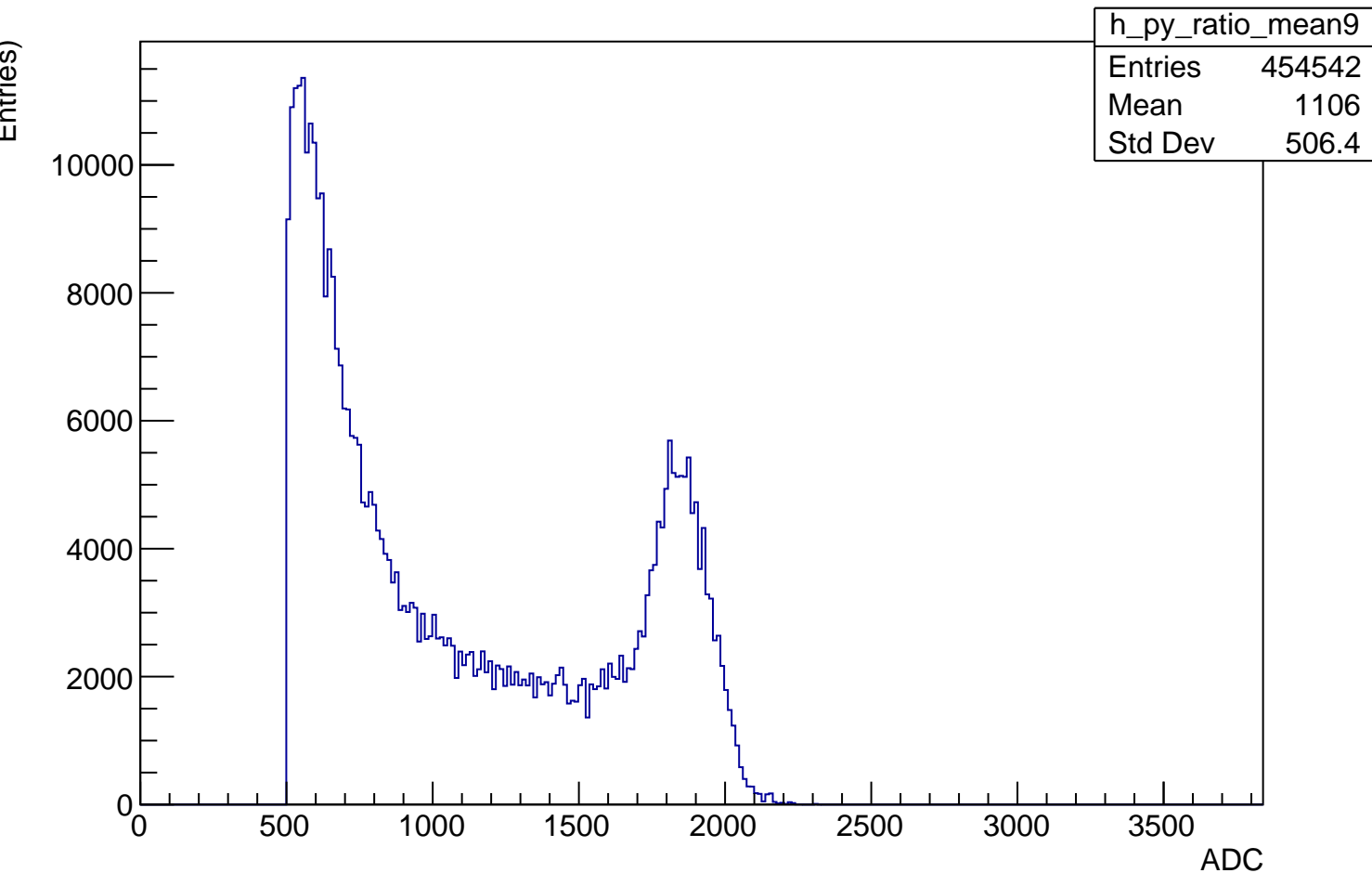
ADC of Numerator

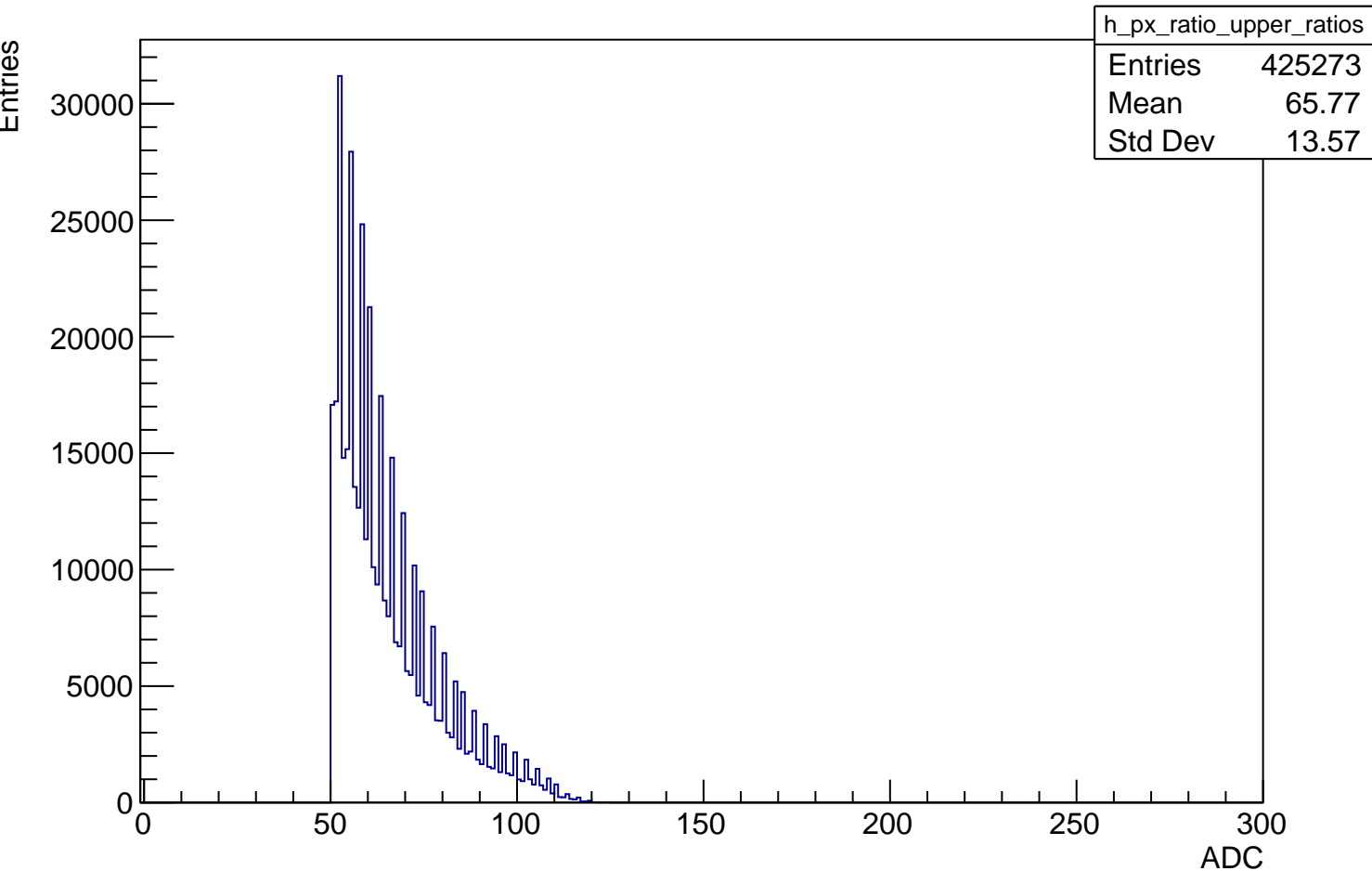




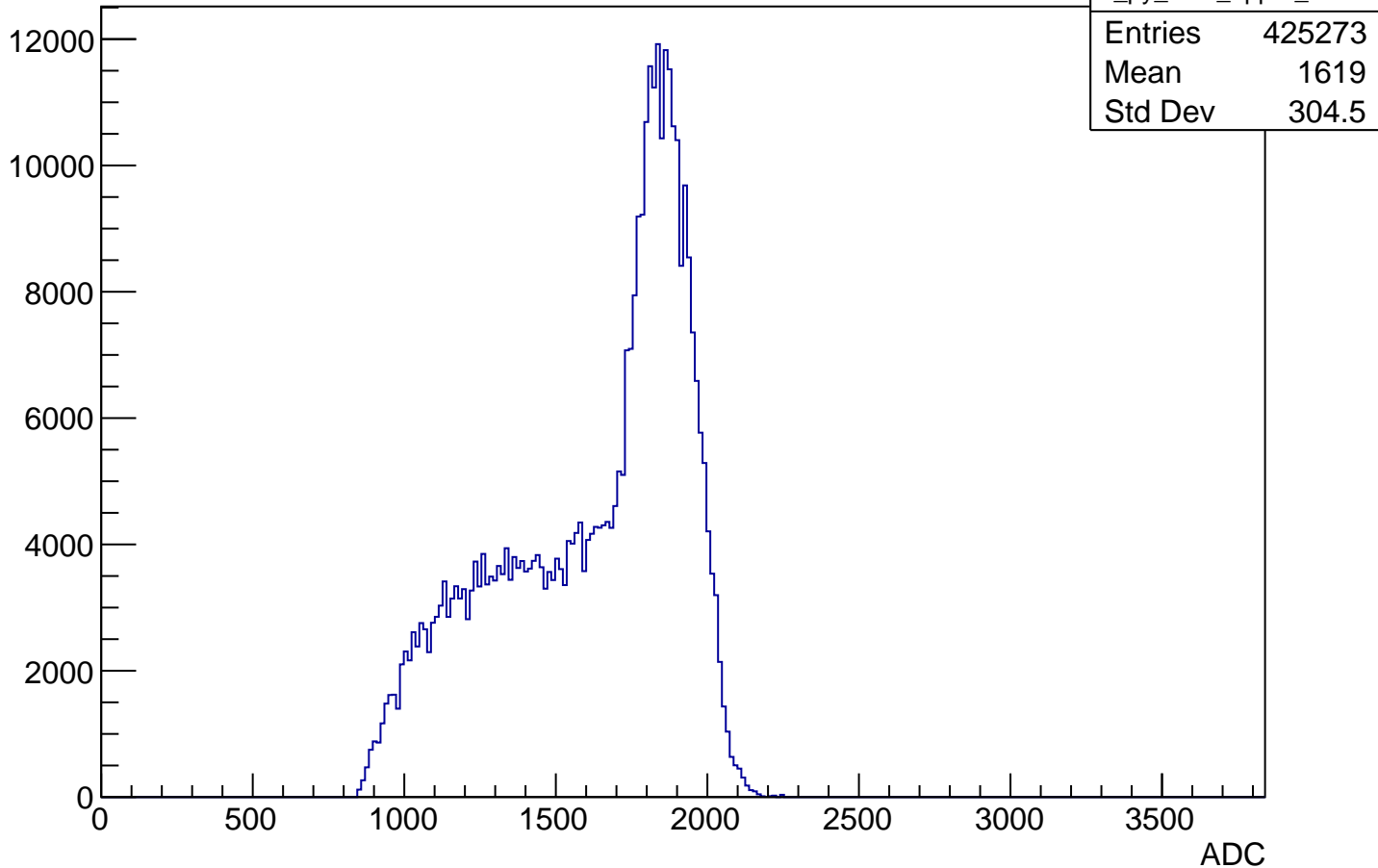




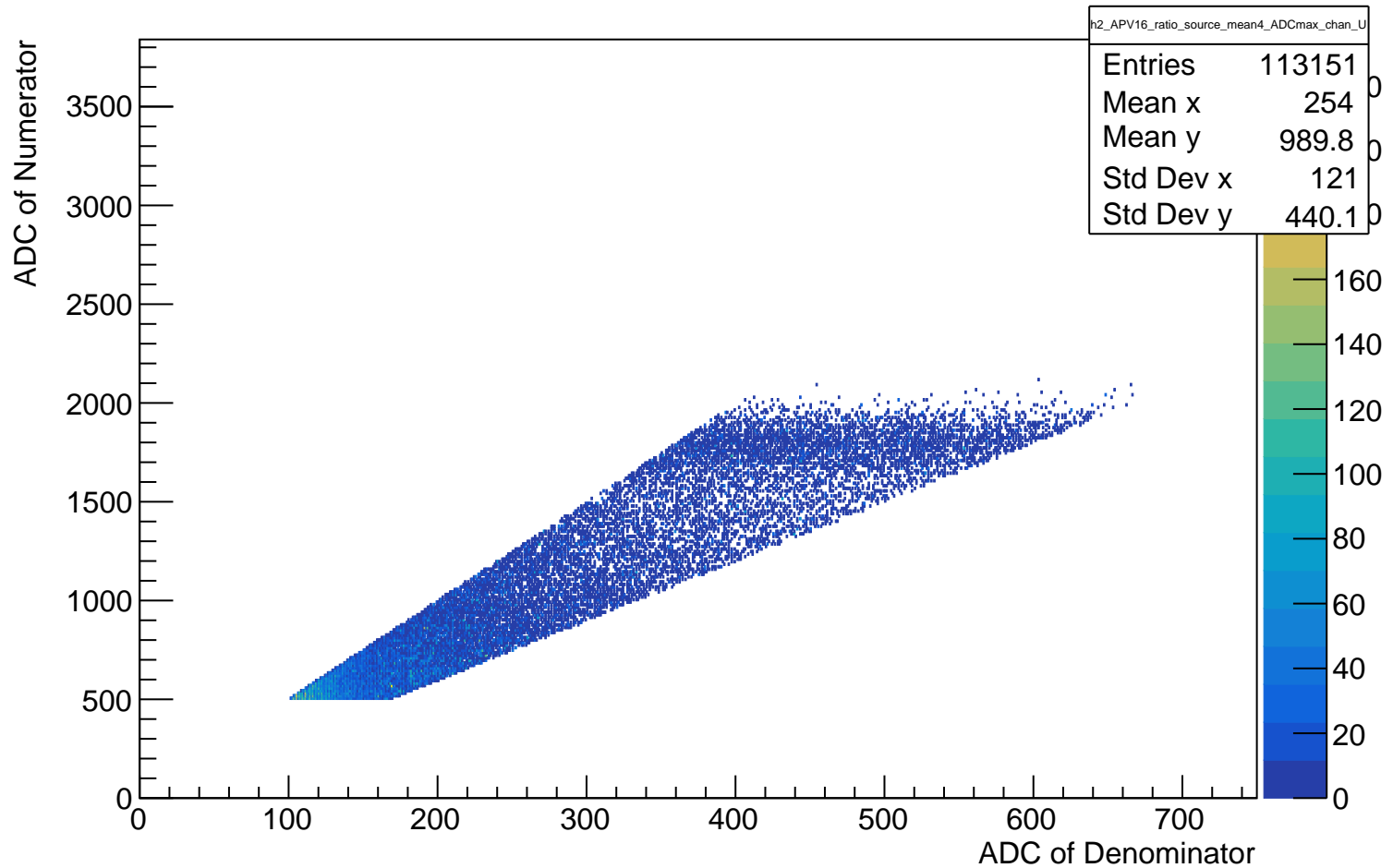




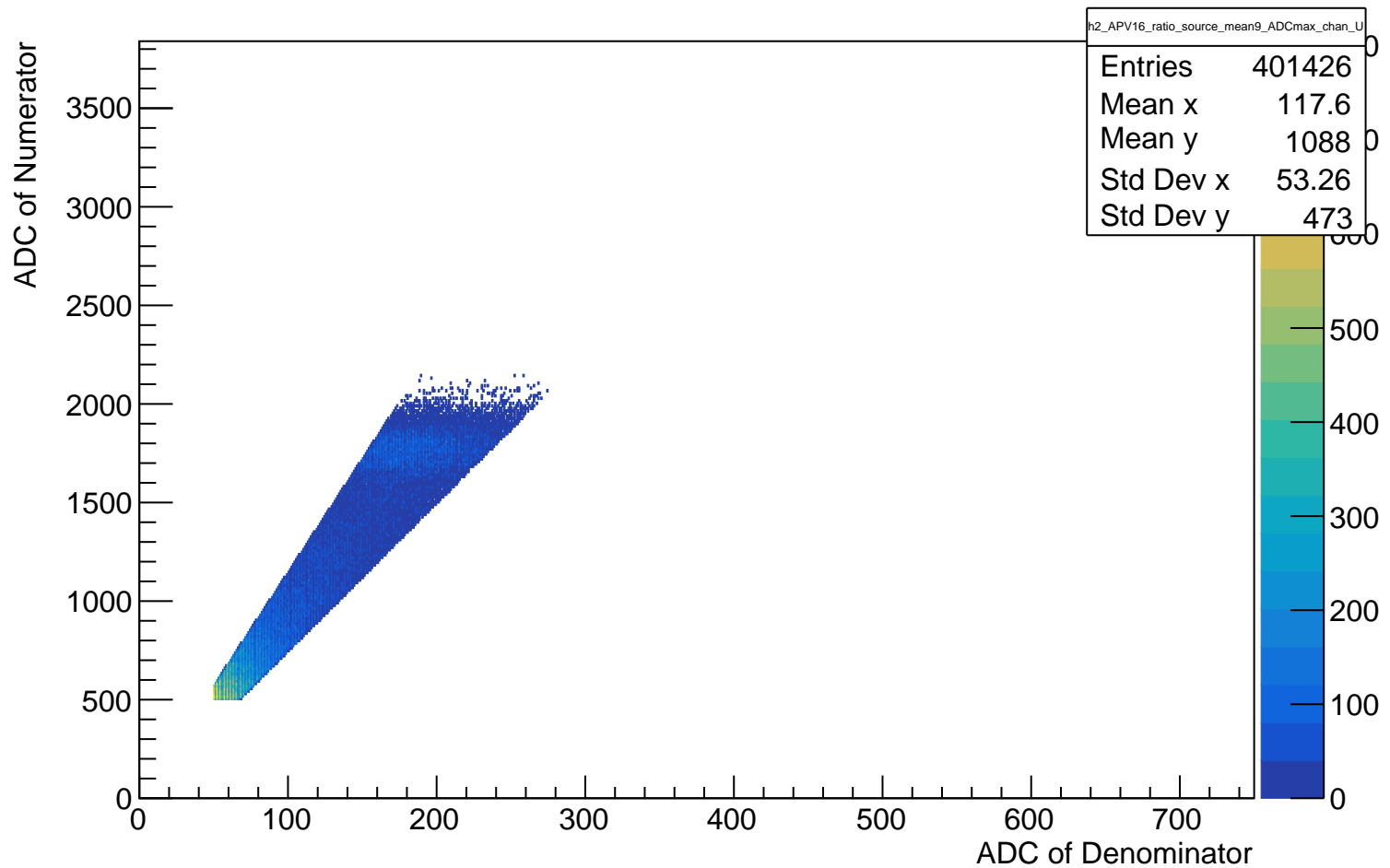
Entries

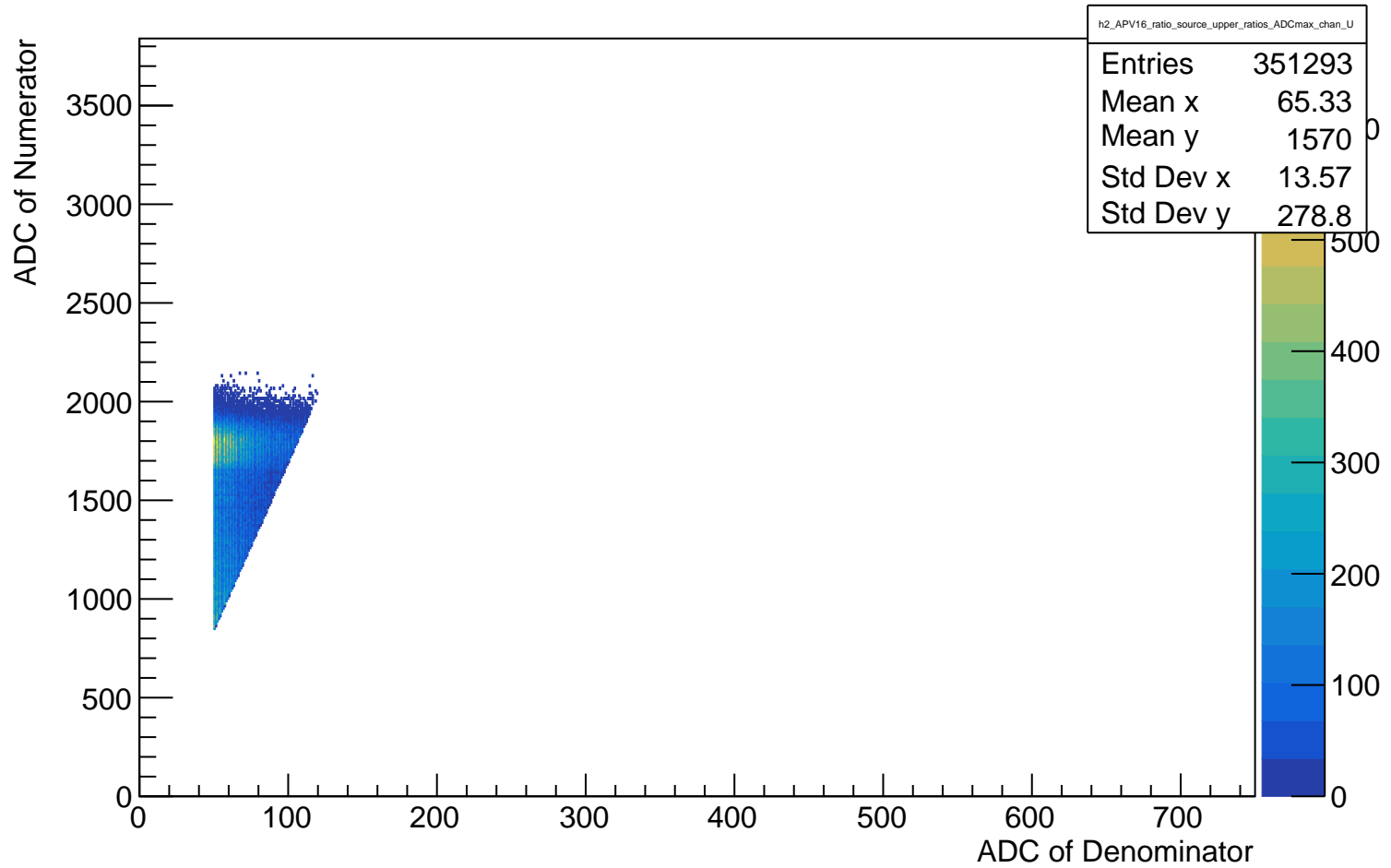


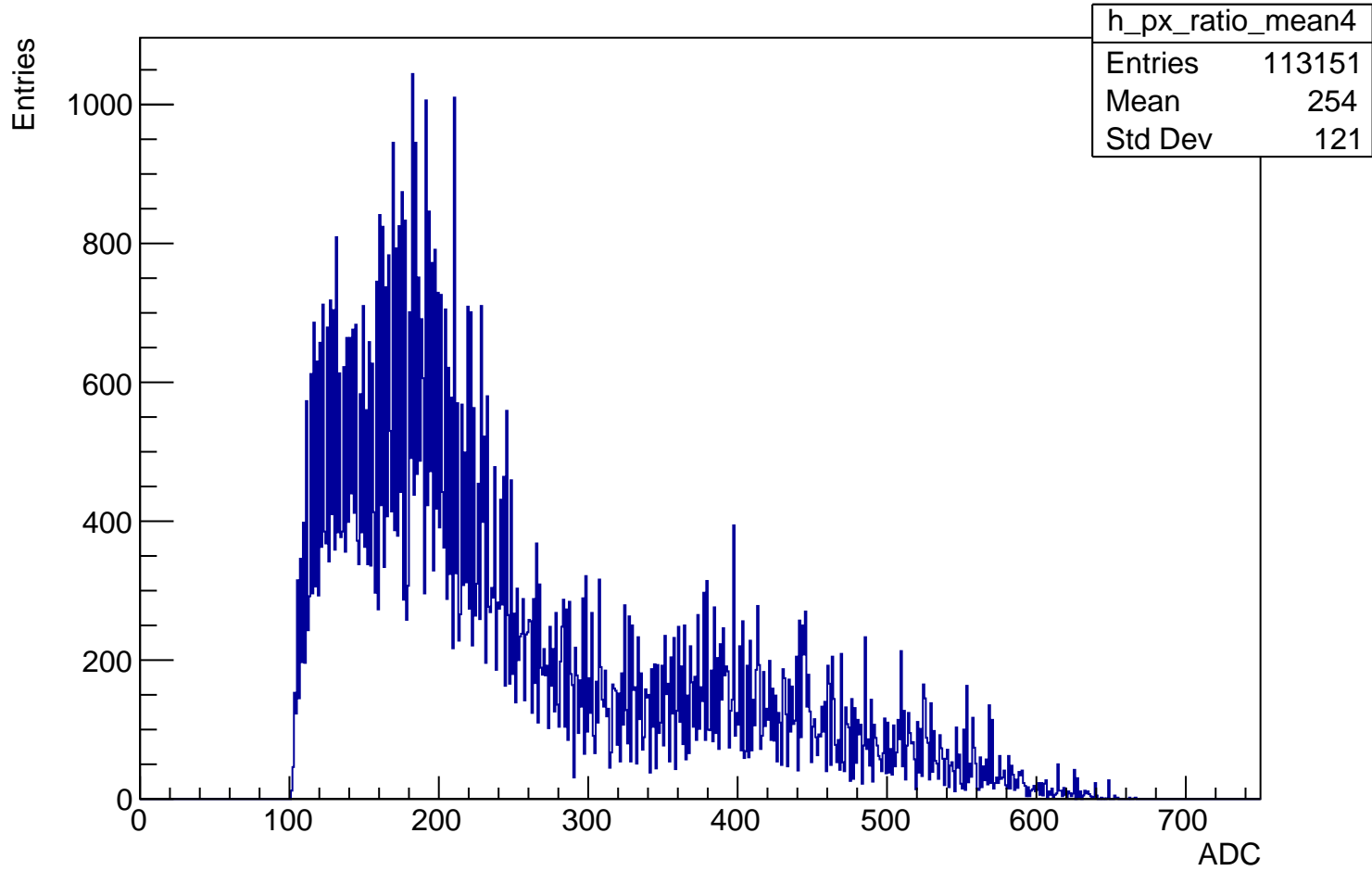
APV16 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

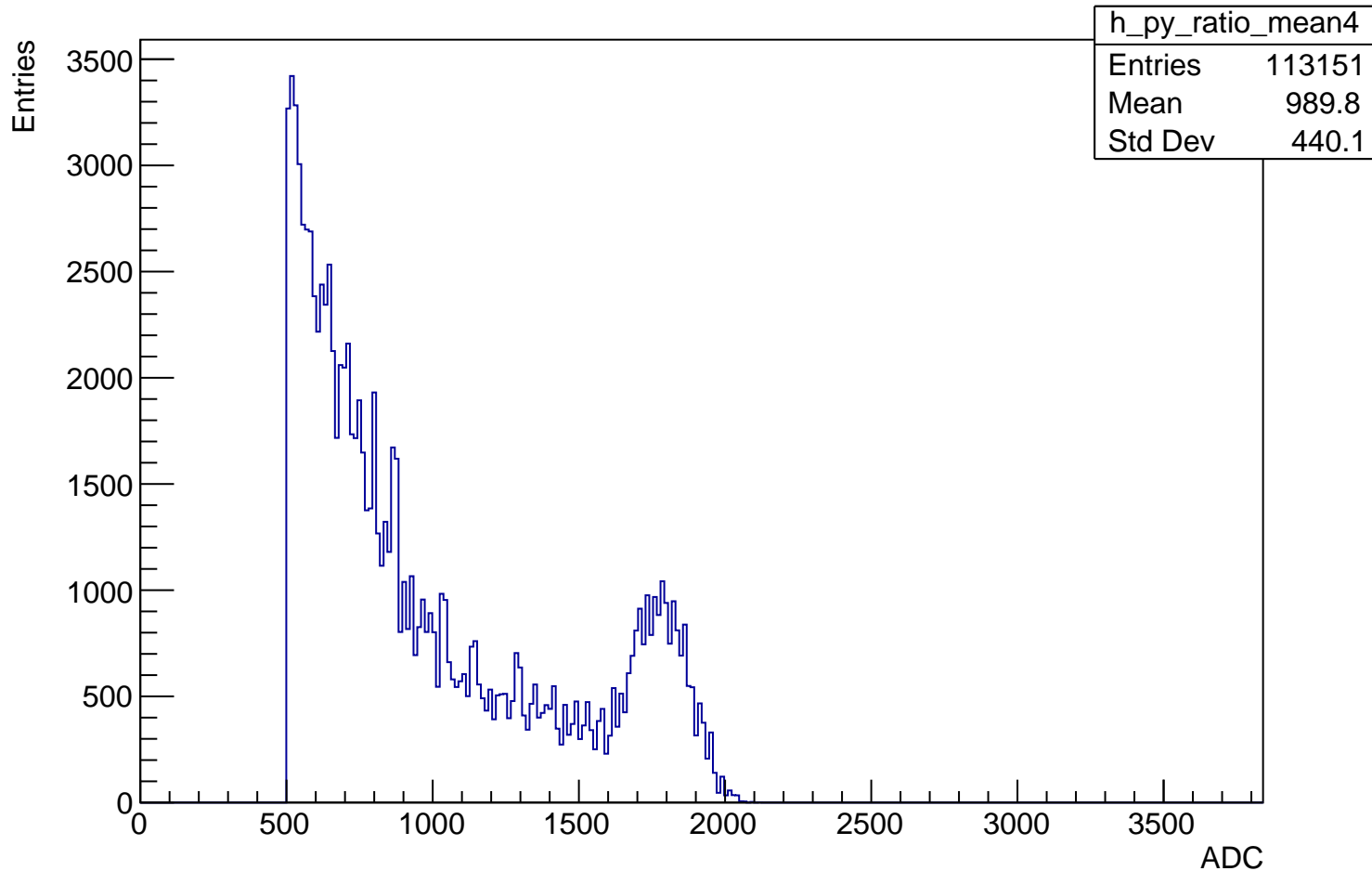


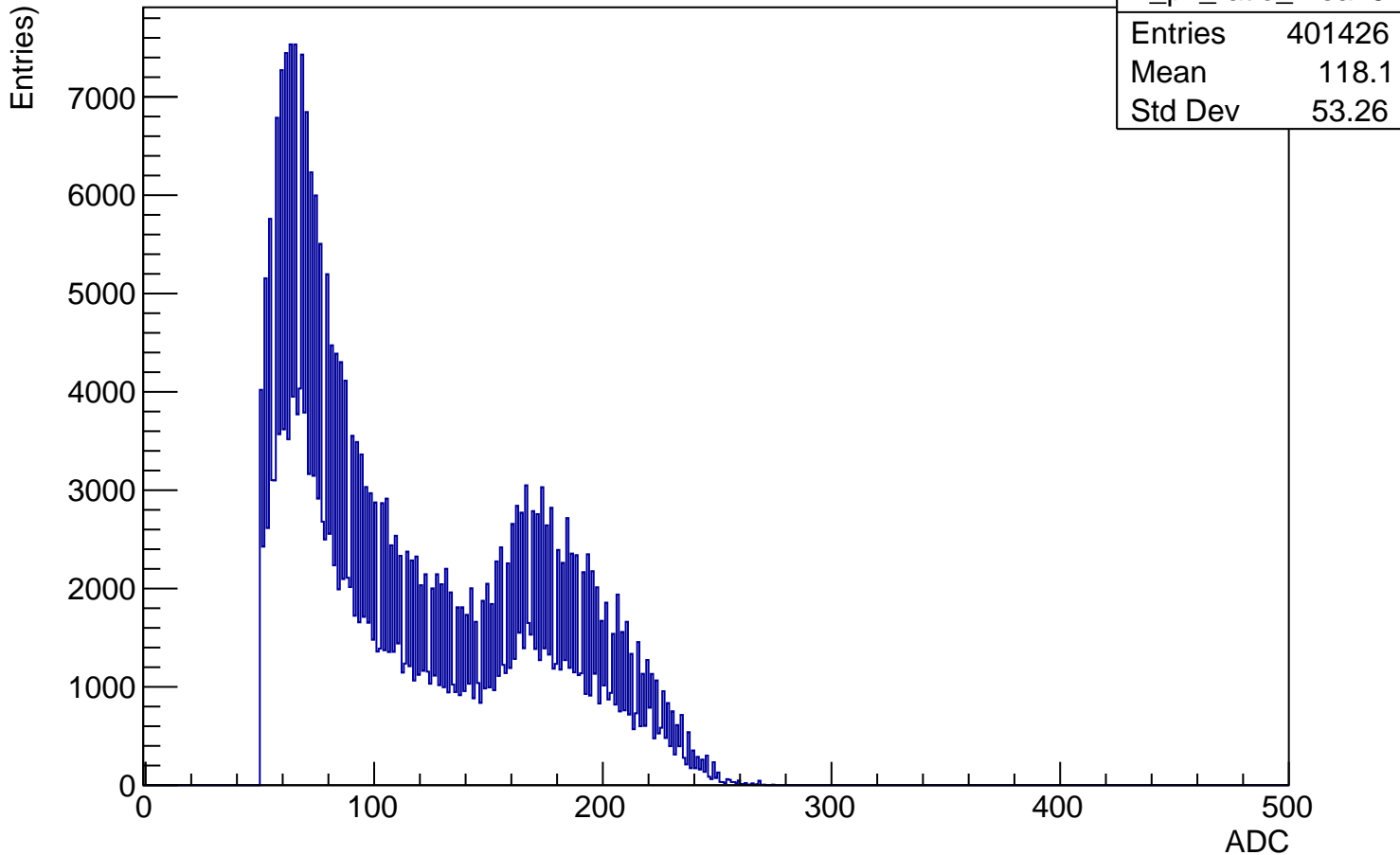
APV16 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

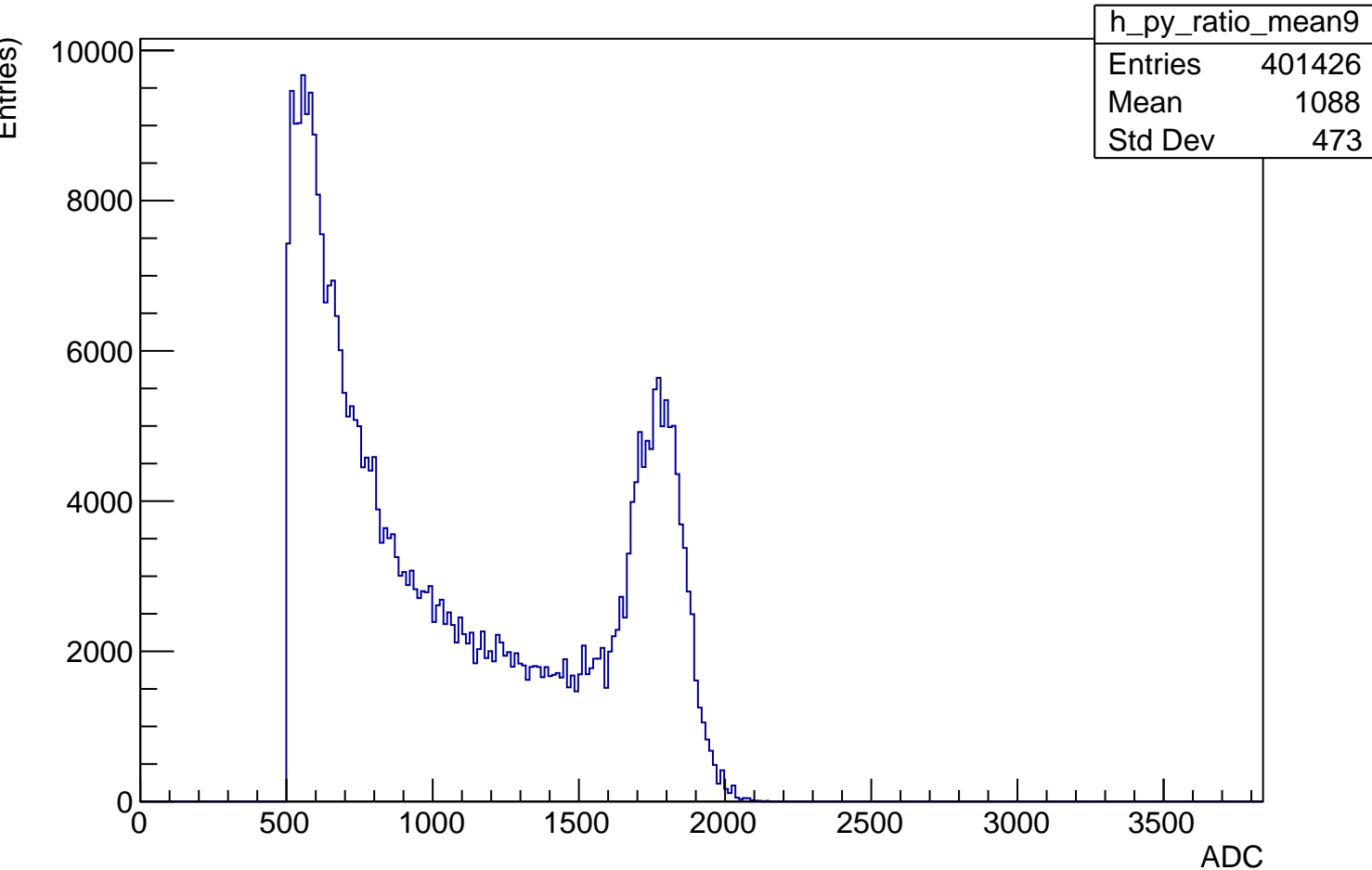


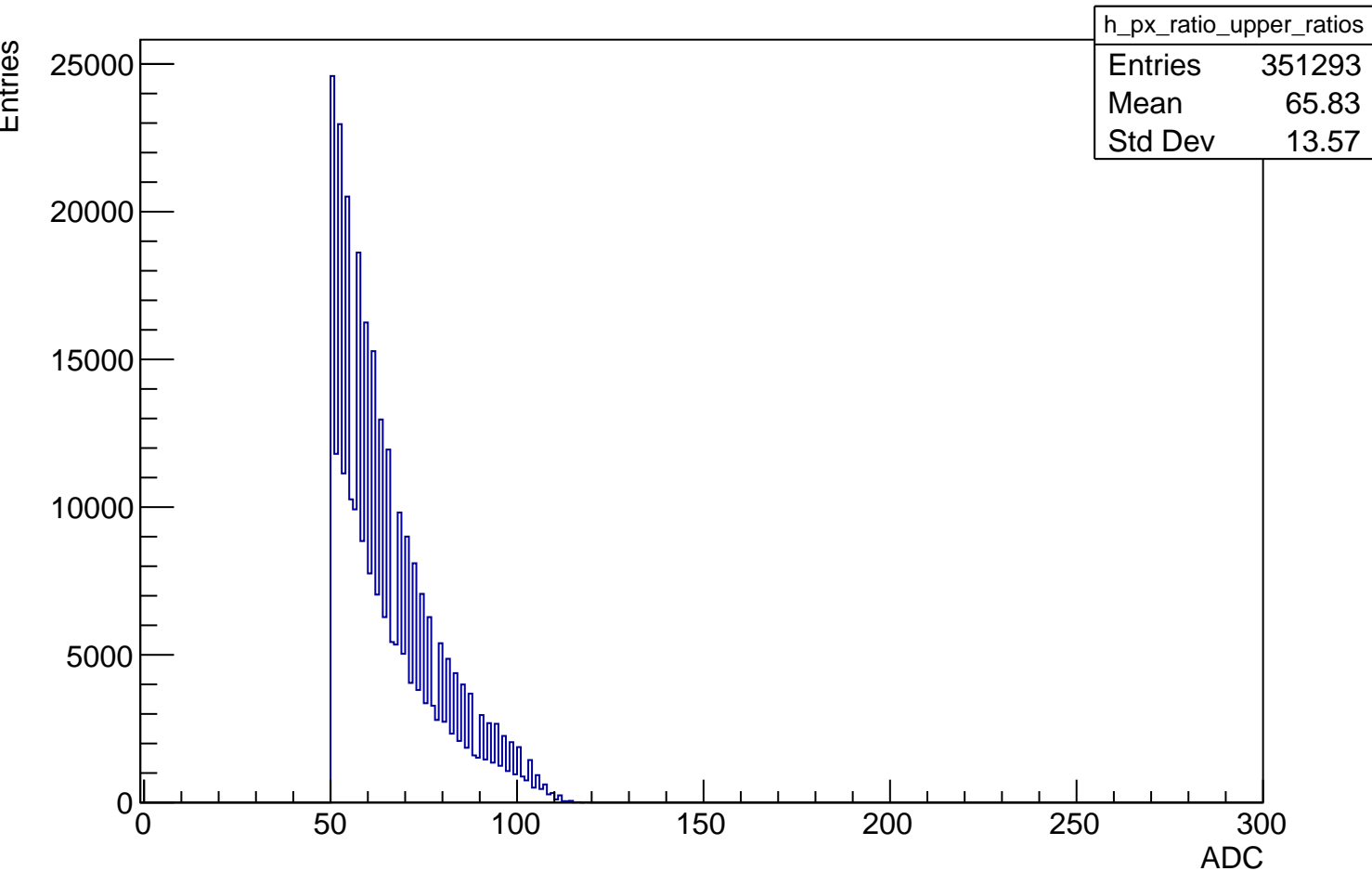




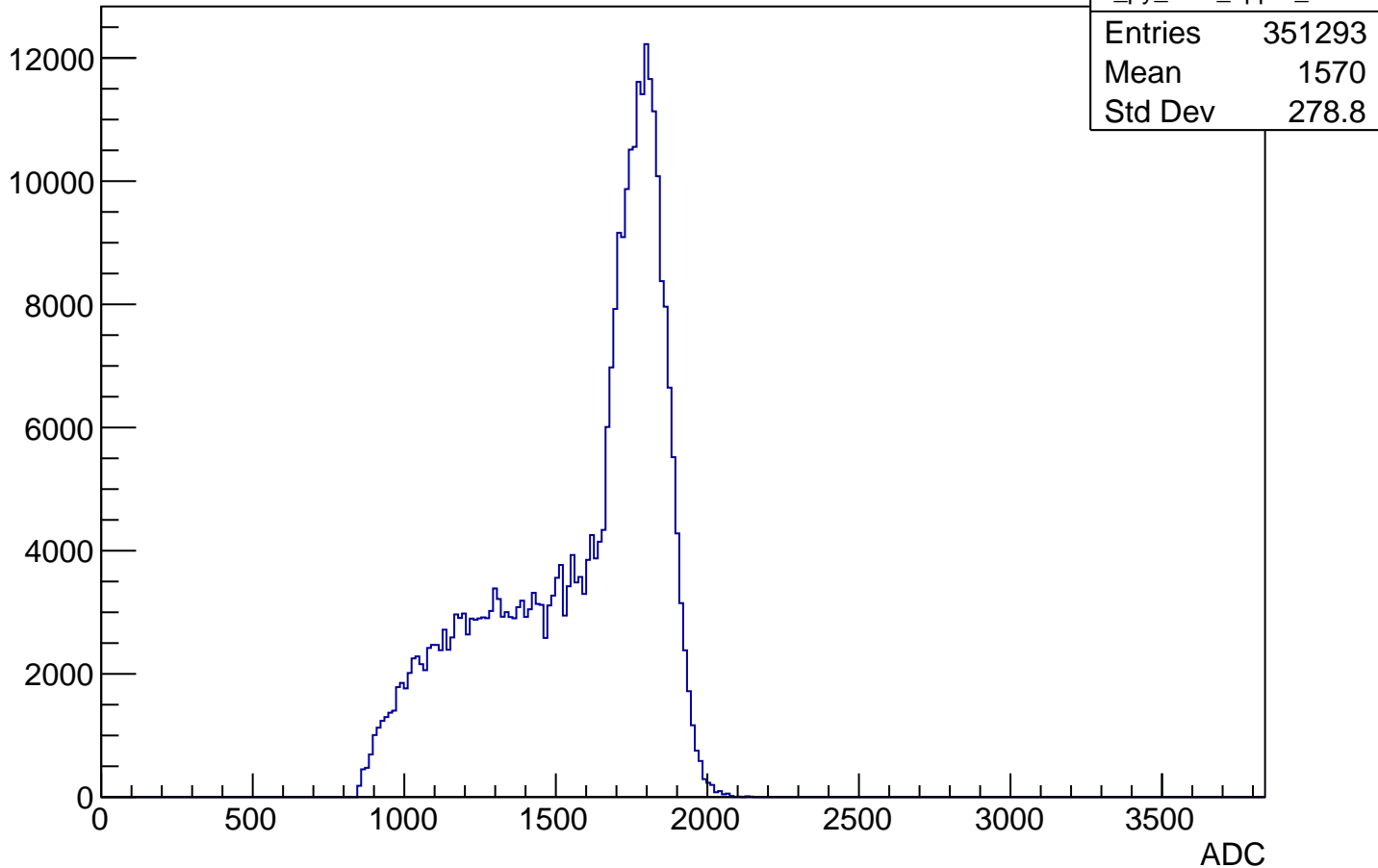




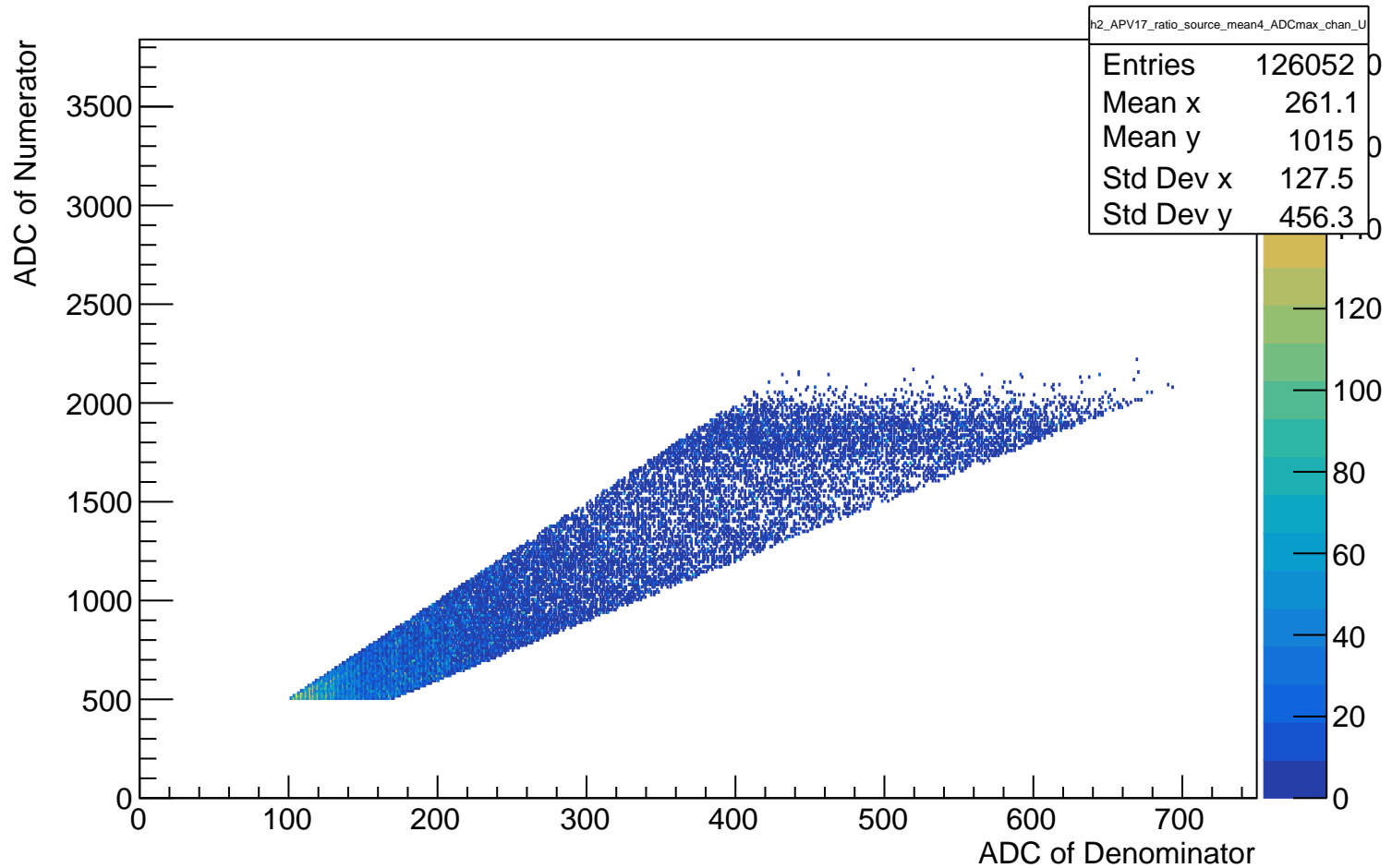




Entries

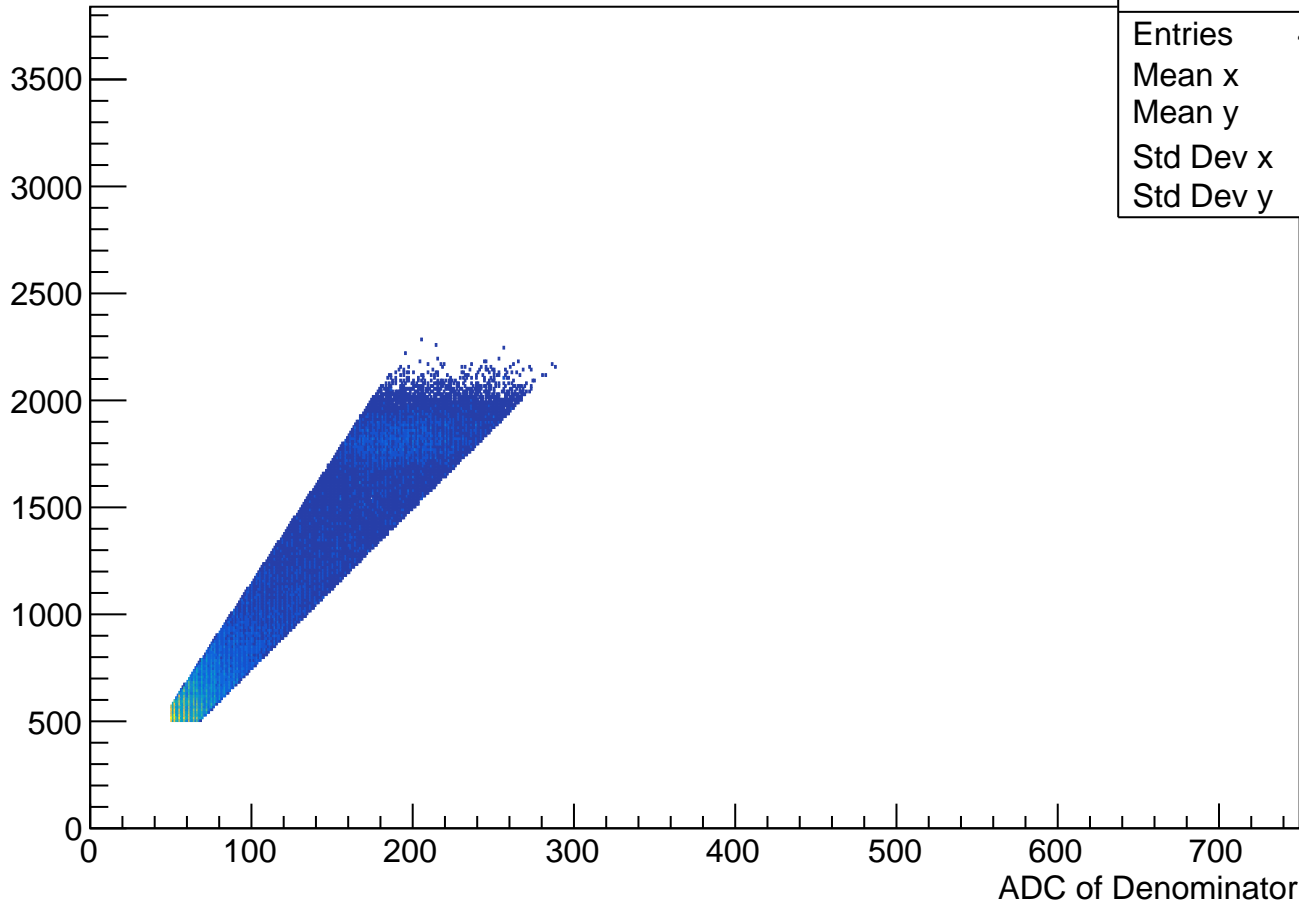


APV17 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



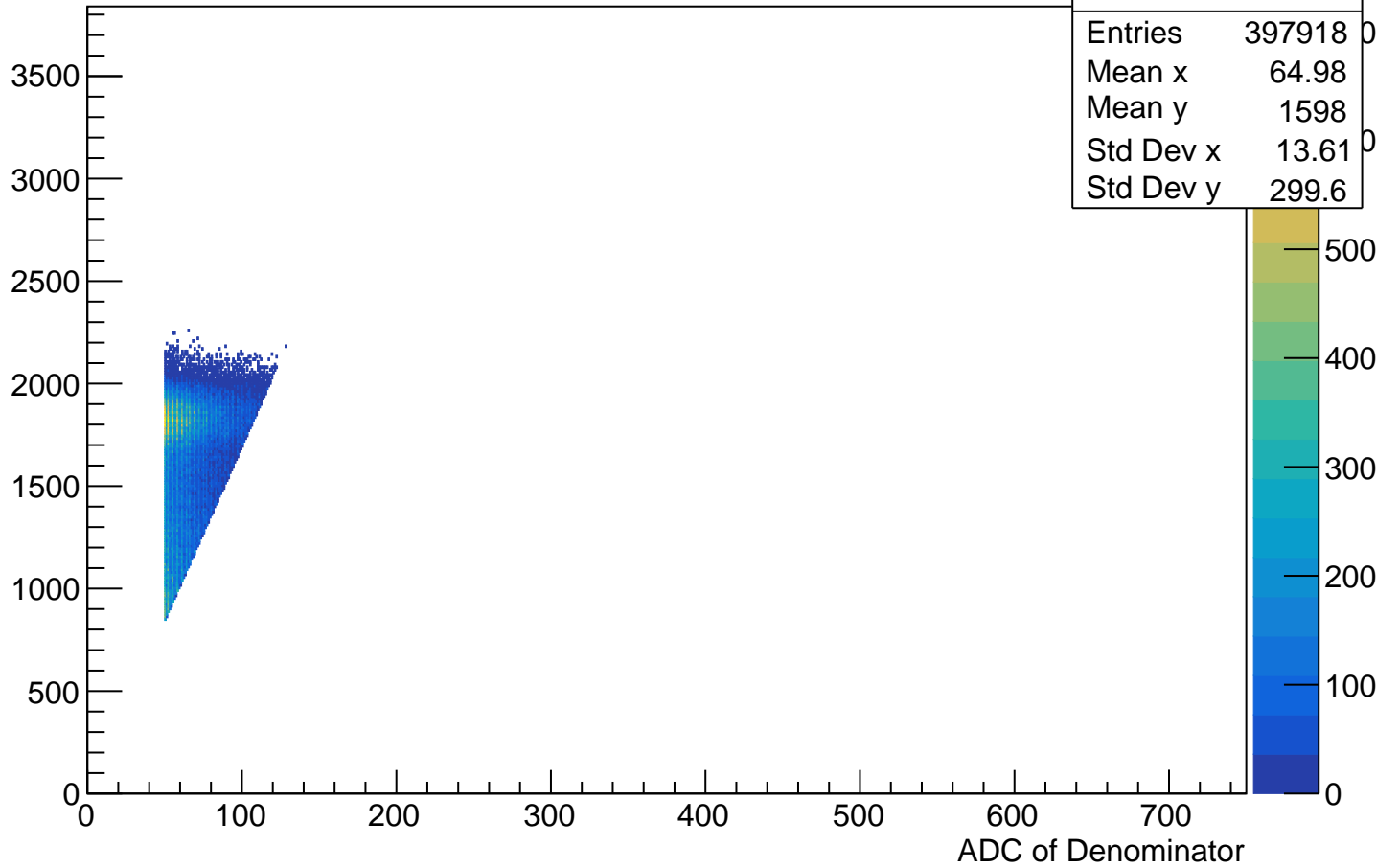
APV17 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

ADC of Numerator

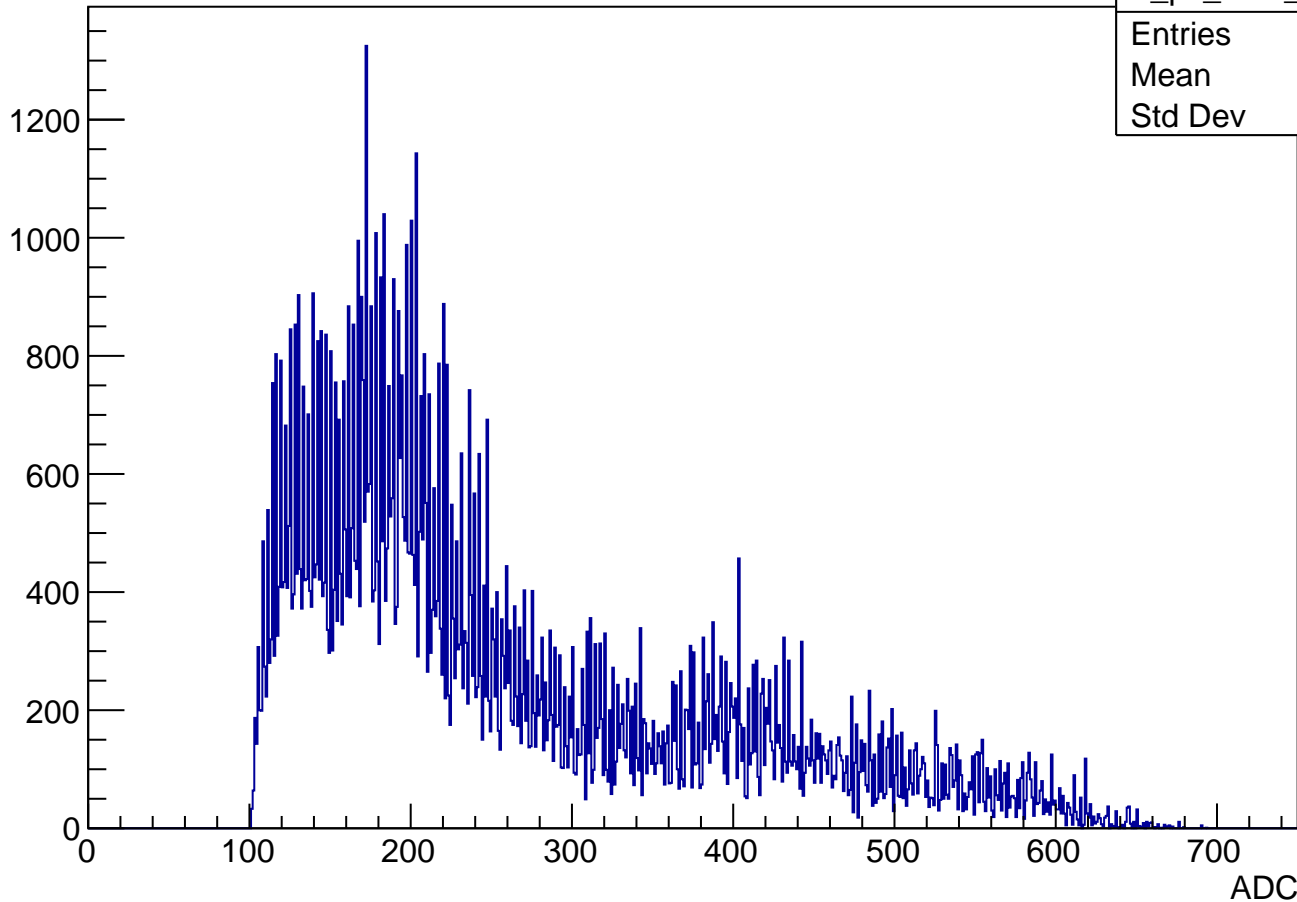


h2_APV17_ratio_source_mean9_ADCmax_chan_U	
Entries	443809
Mean x	120.6
Mean y	1107
Std Dev x	56.79
Std Dev y	498.4

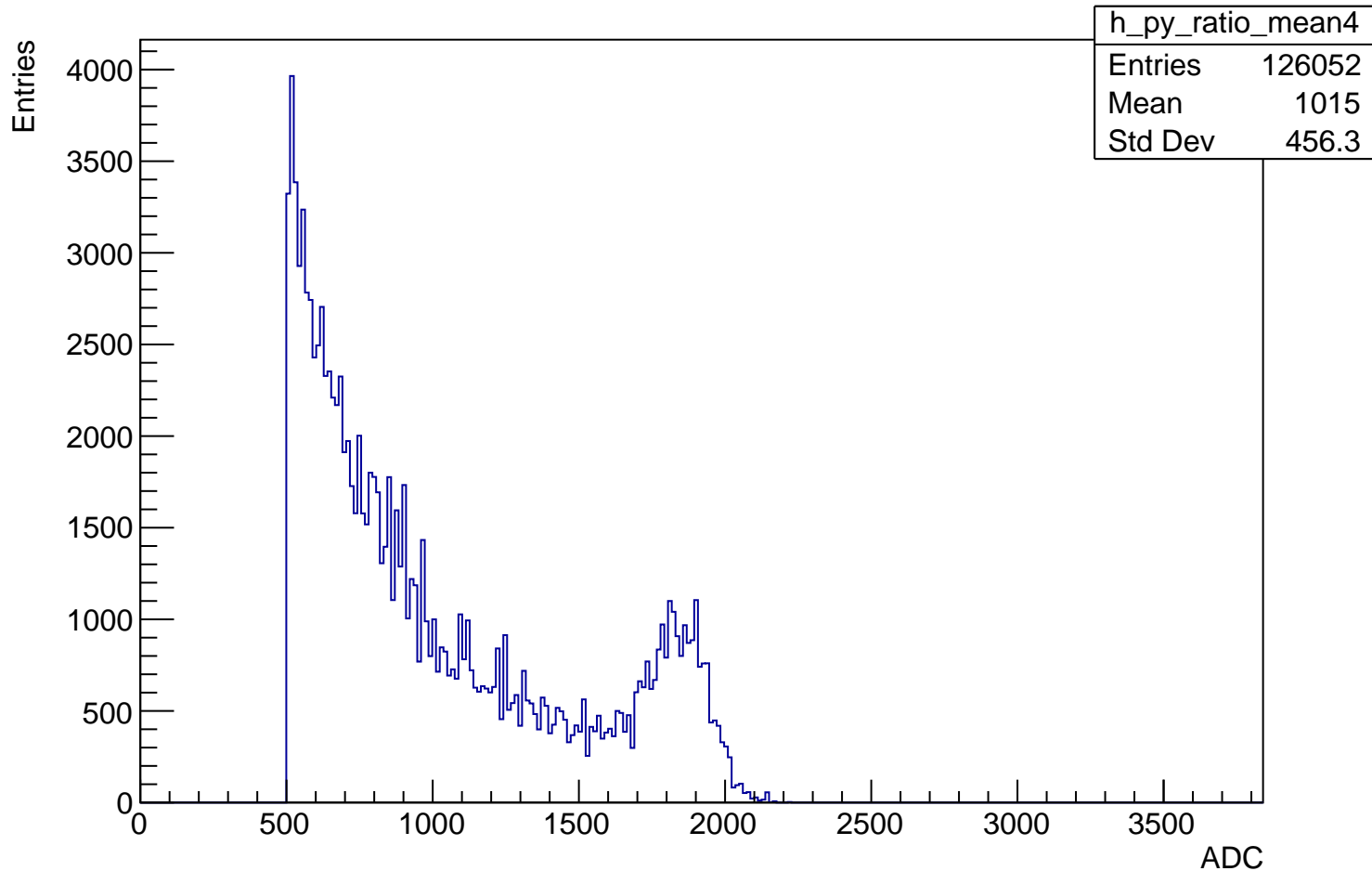
ADC of Numerator



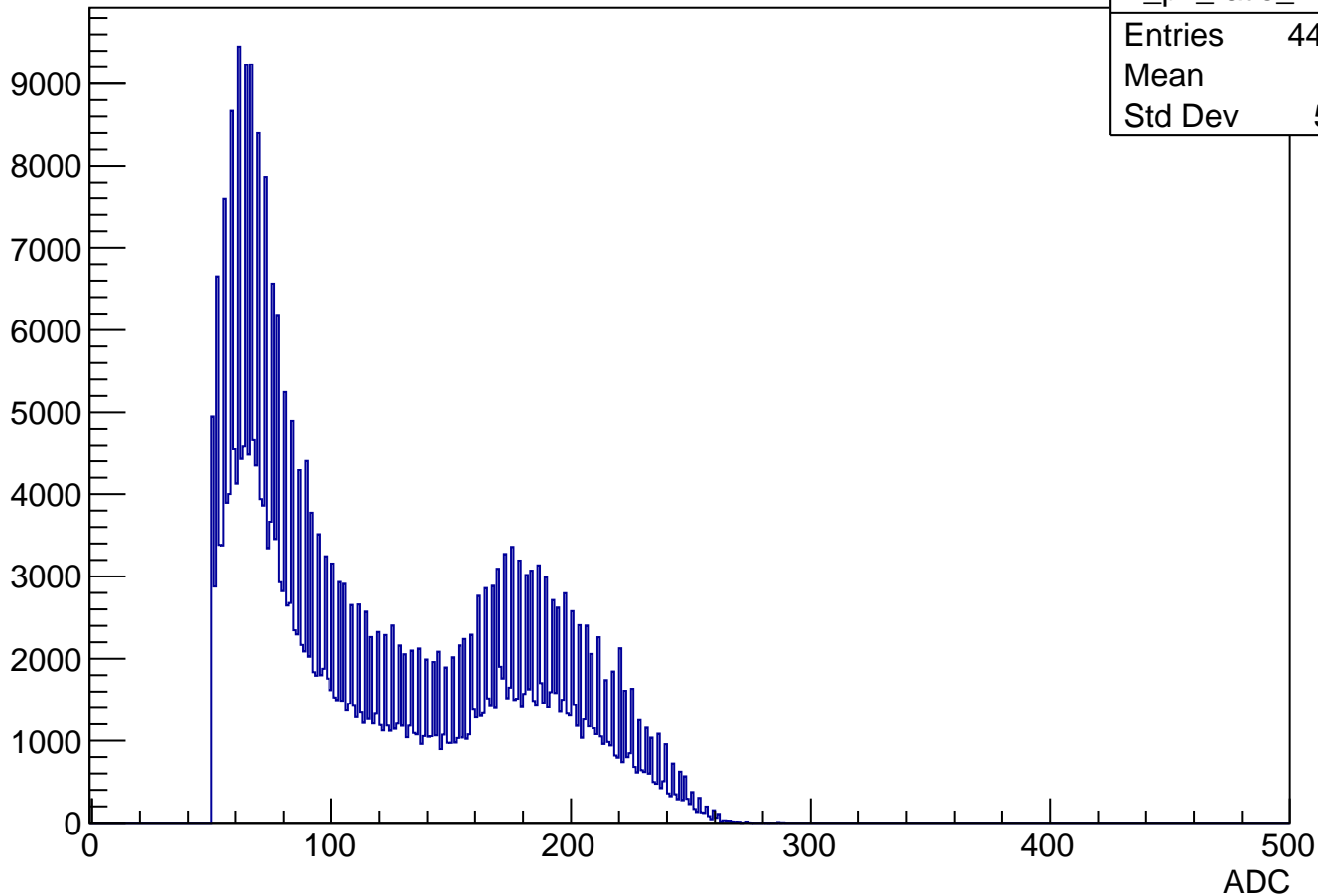
Entries

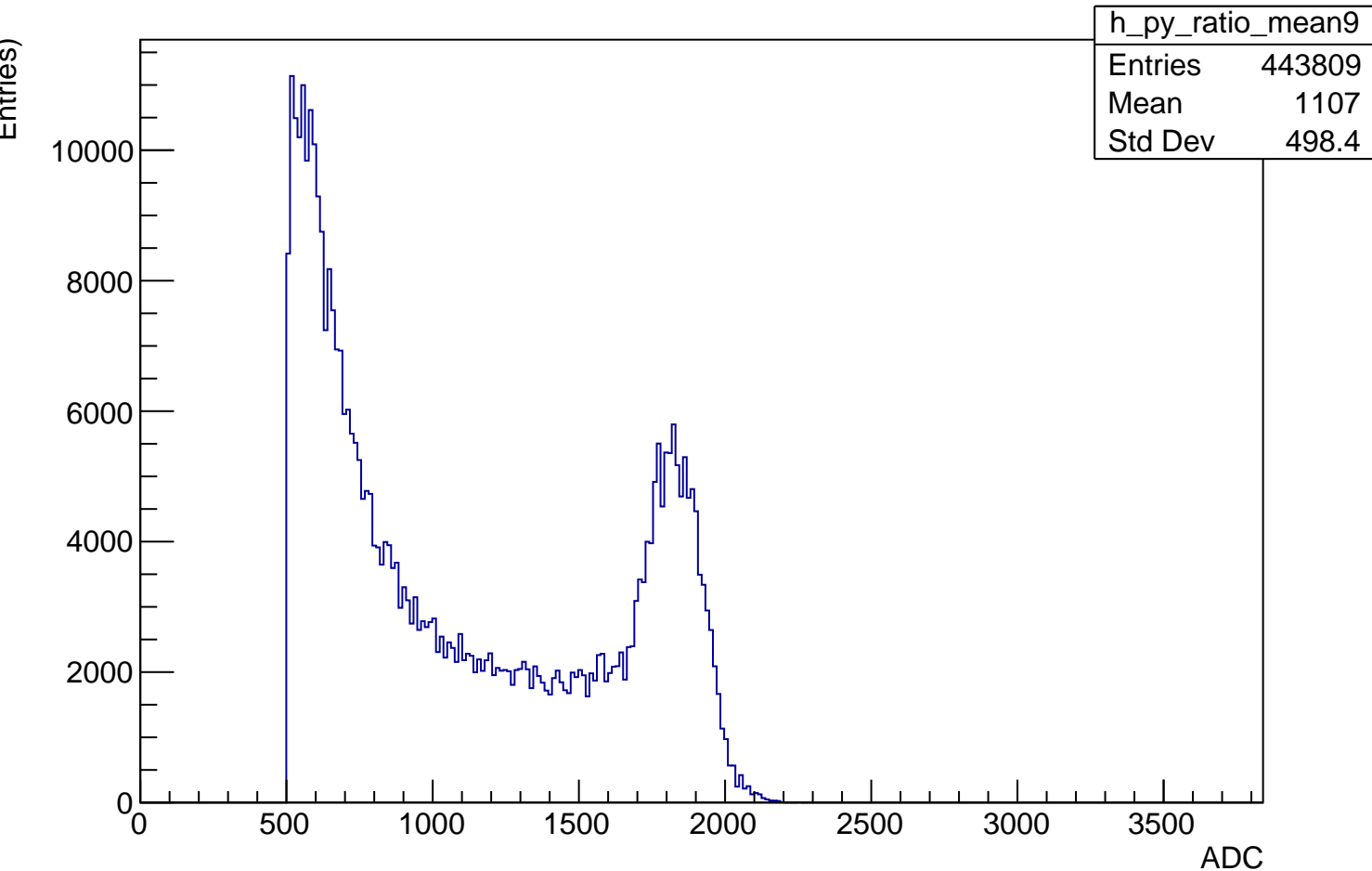


ADC

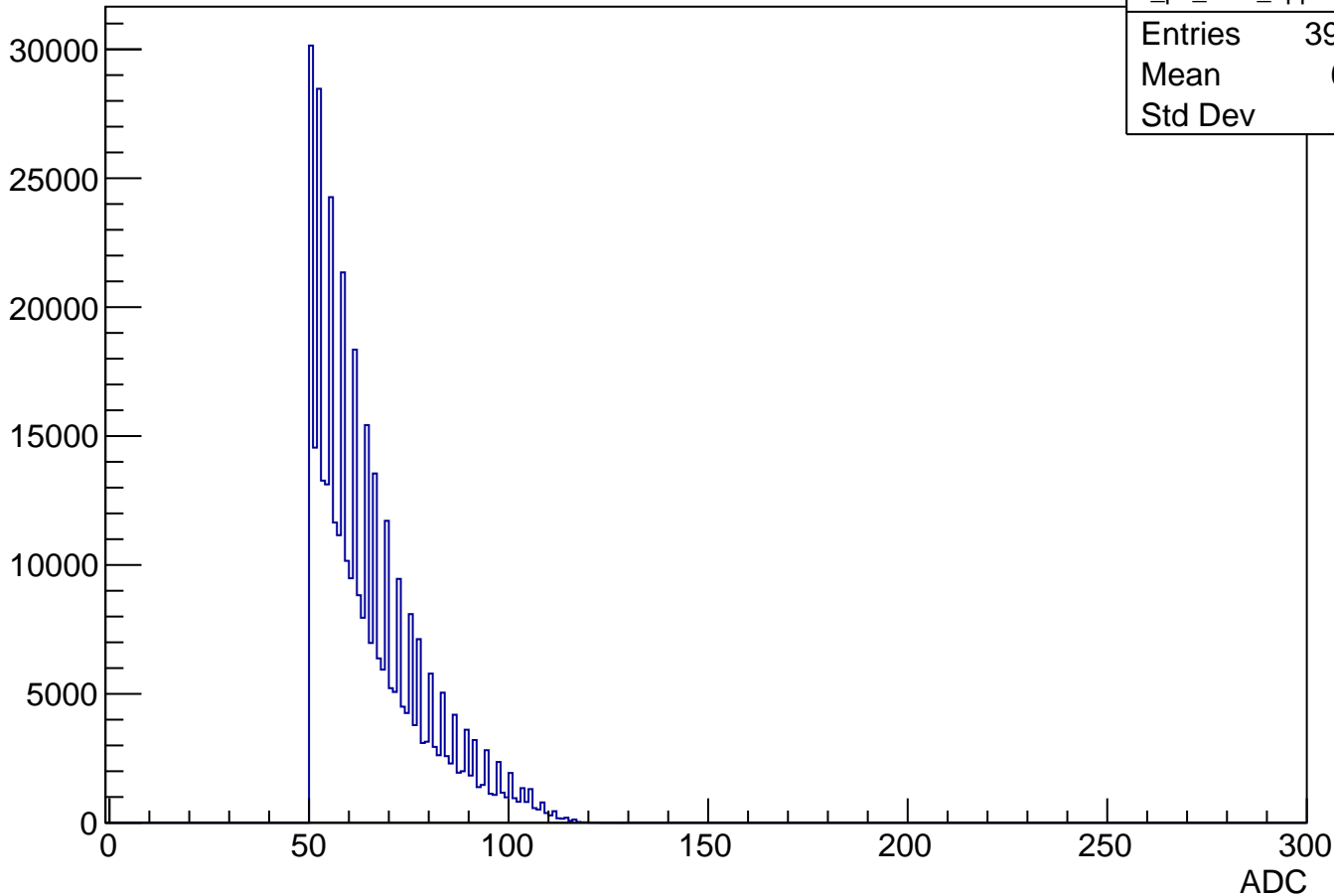


Entries)

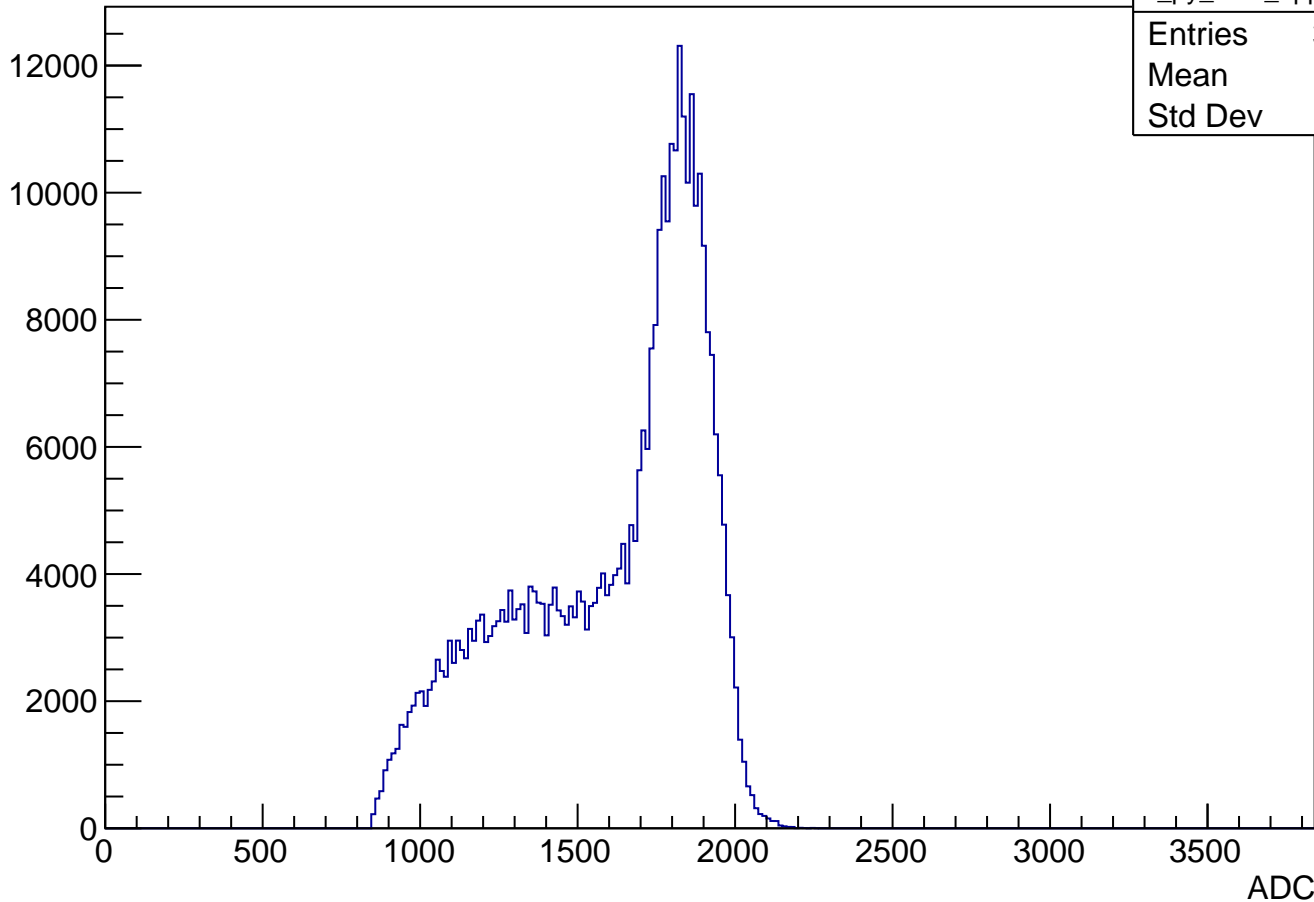




Entries



Entries



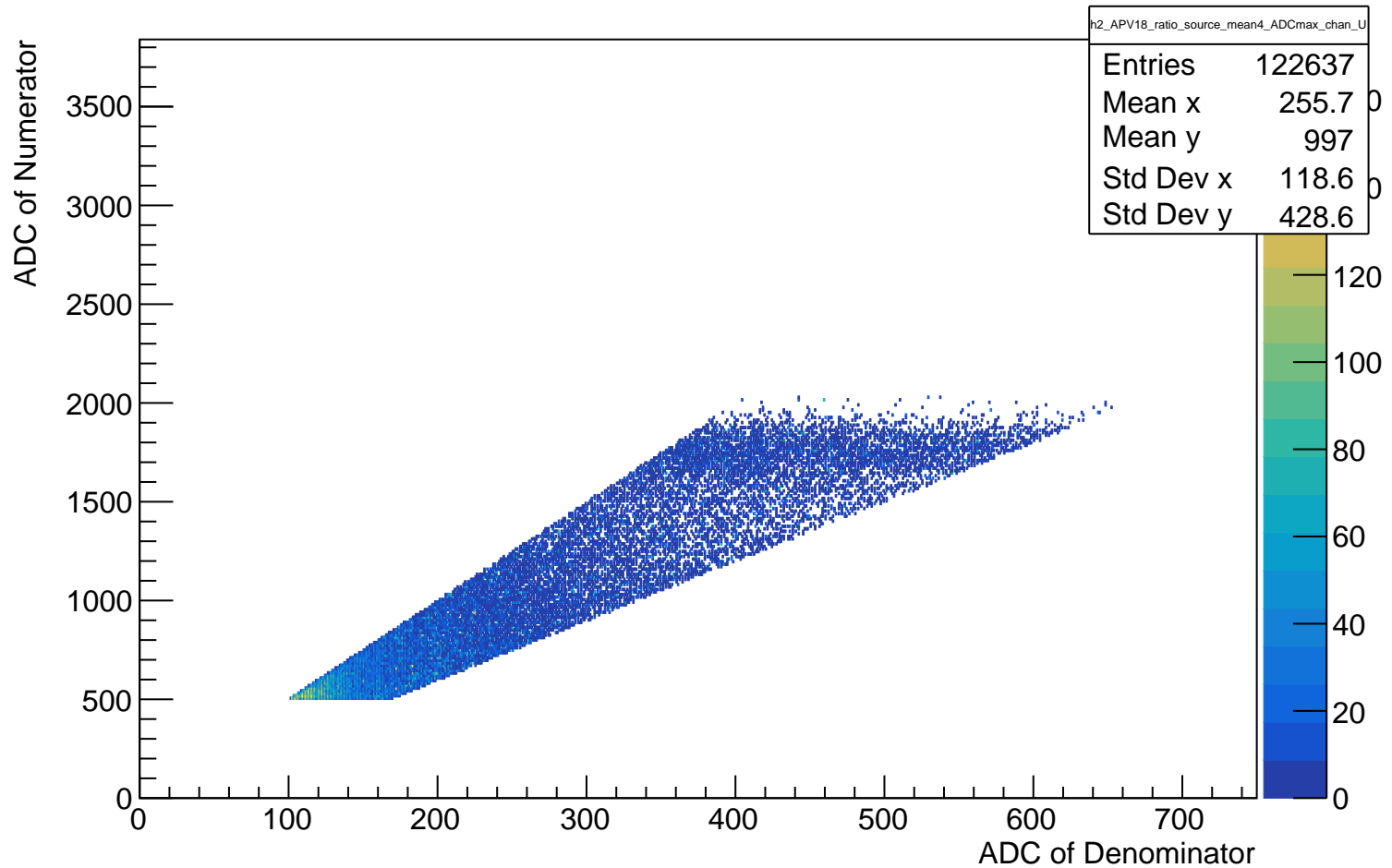
h_py_ratio_upper_ratios

Entries 397918

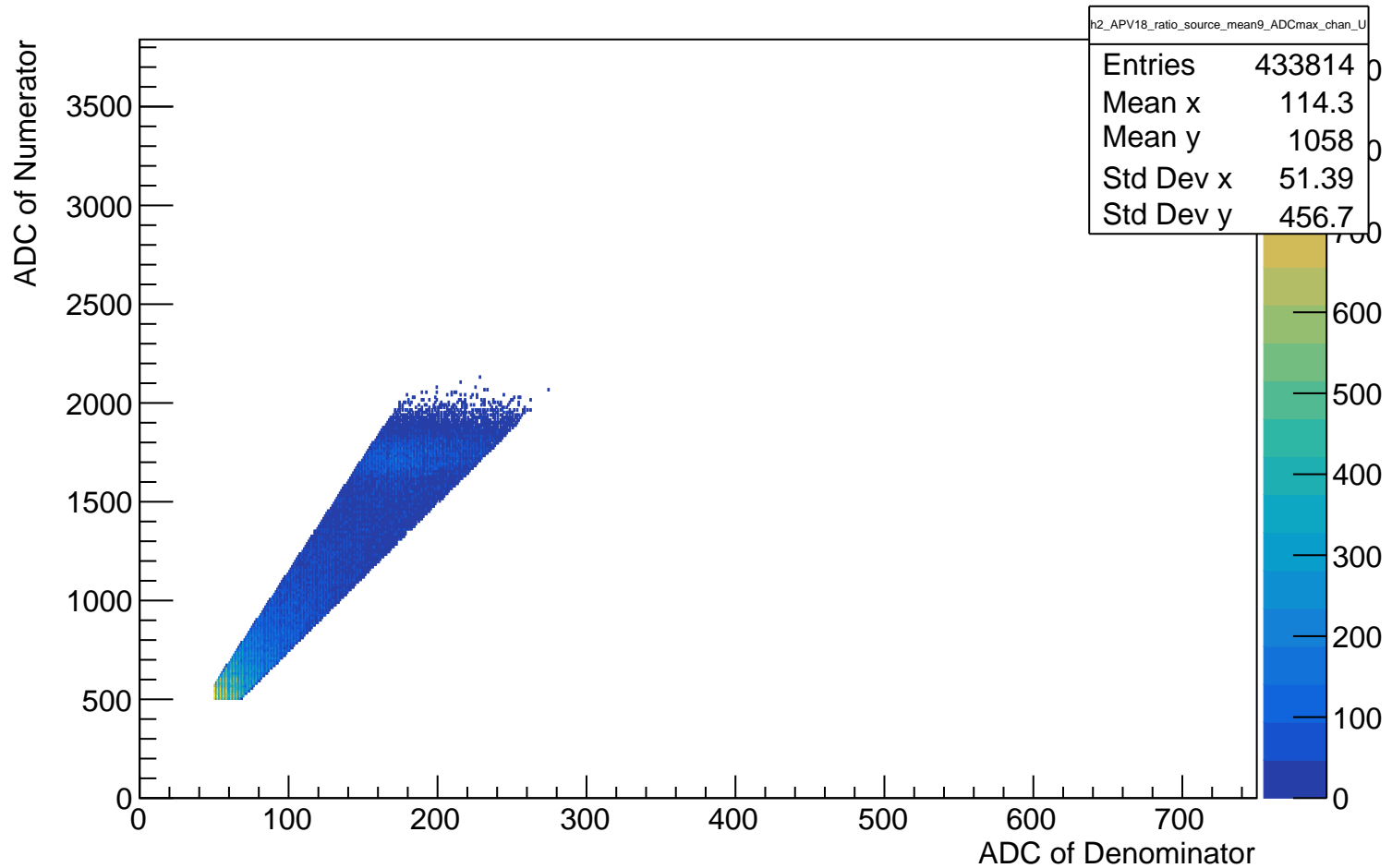
Mean 1598

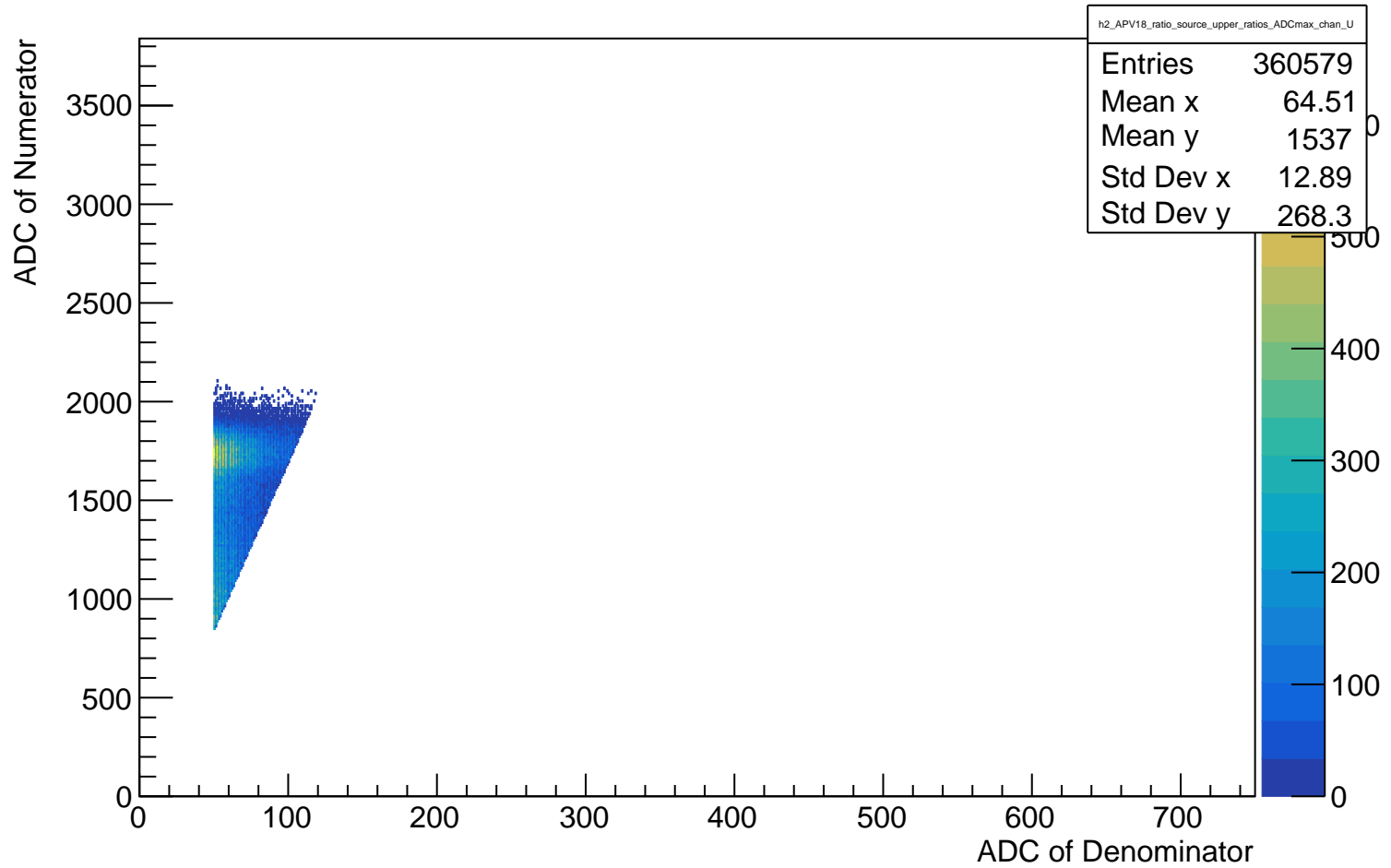
Std Dev 299.6

APV18 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

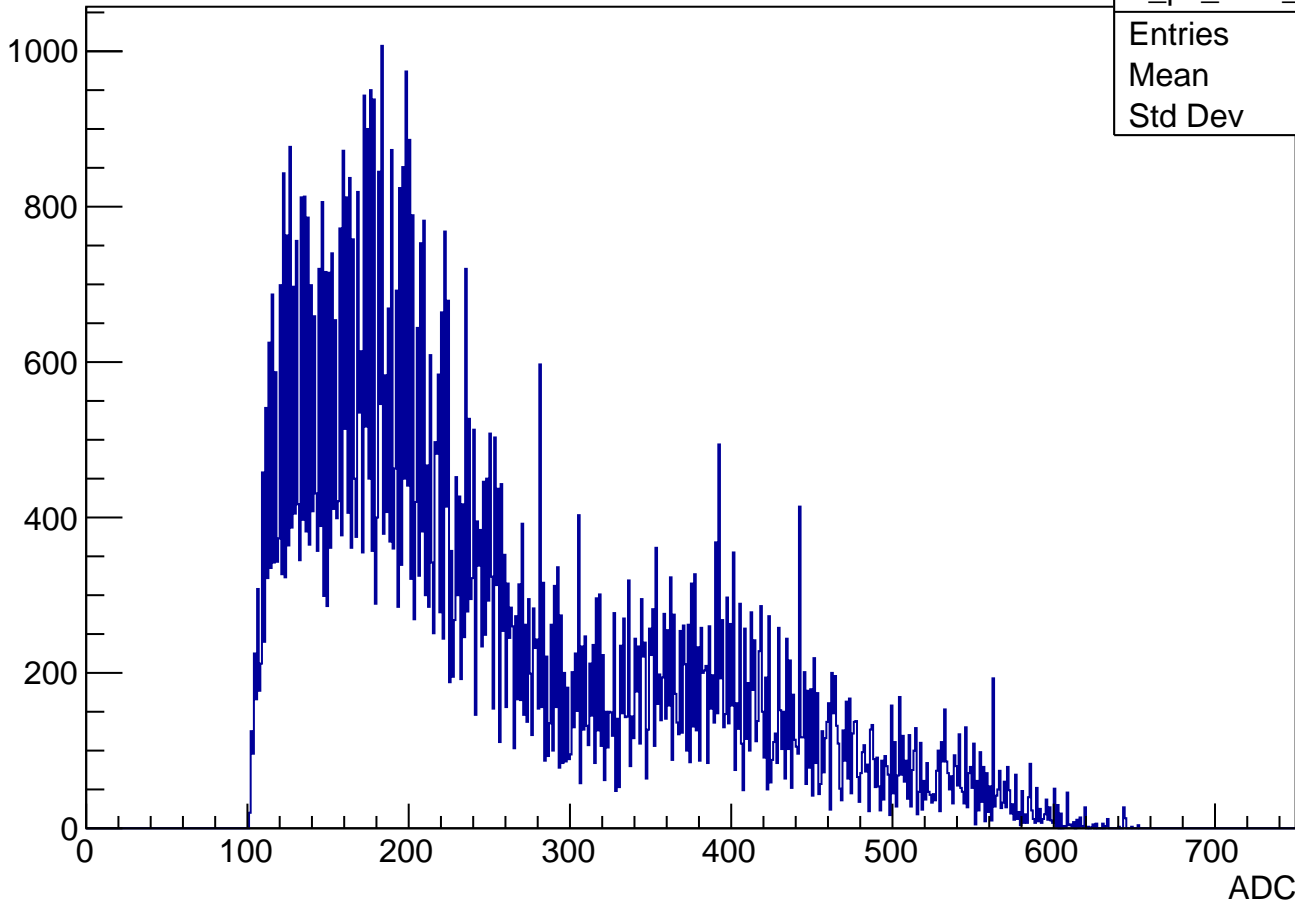


APV18 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500





Entries



h_px_ratio_mean4

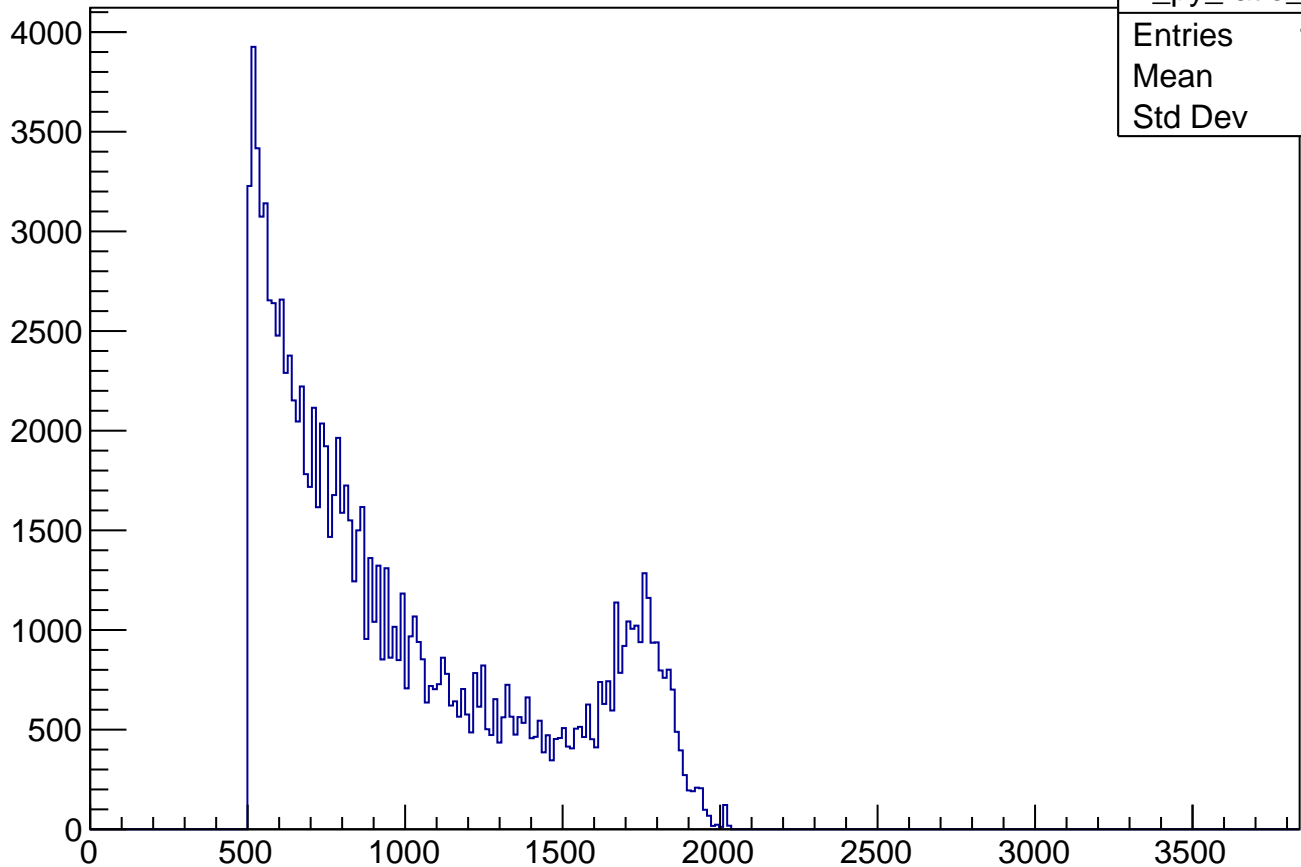
Entries 122637

Mean 255.7

Std Dev 118.6

ADC

Entries



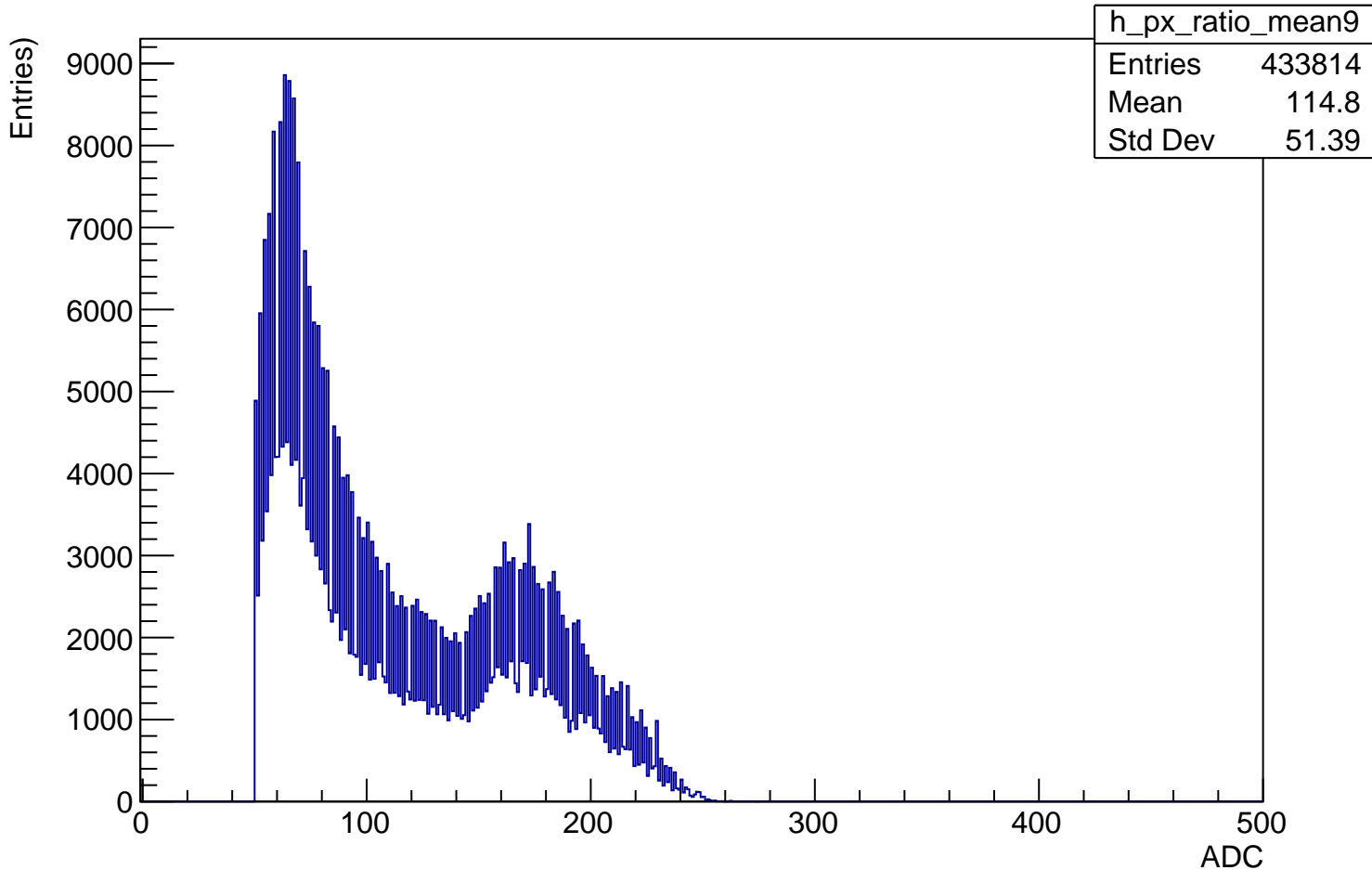
h_py_ratio_mean4

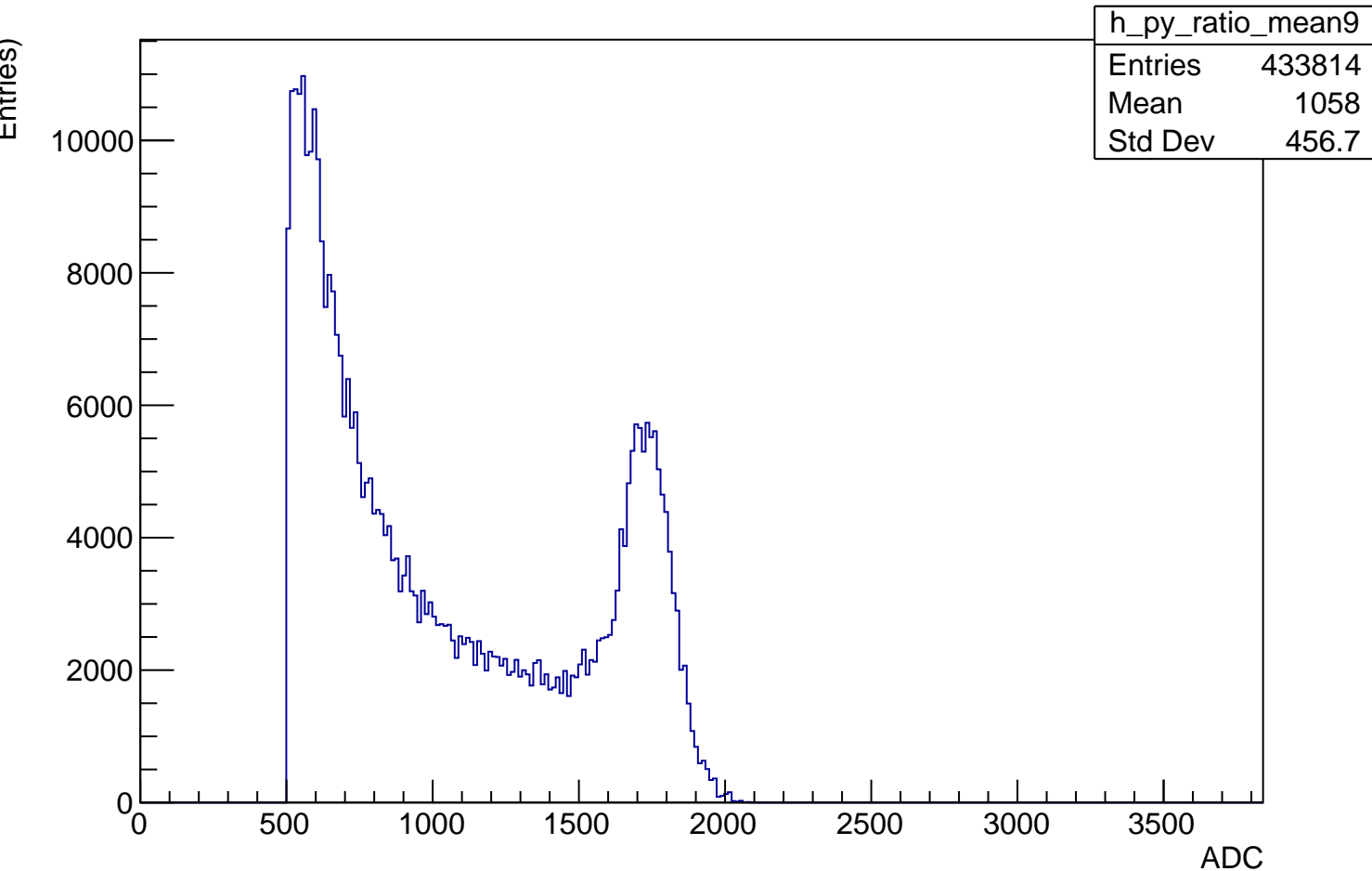
Entries 122637

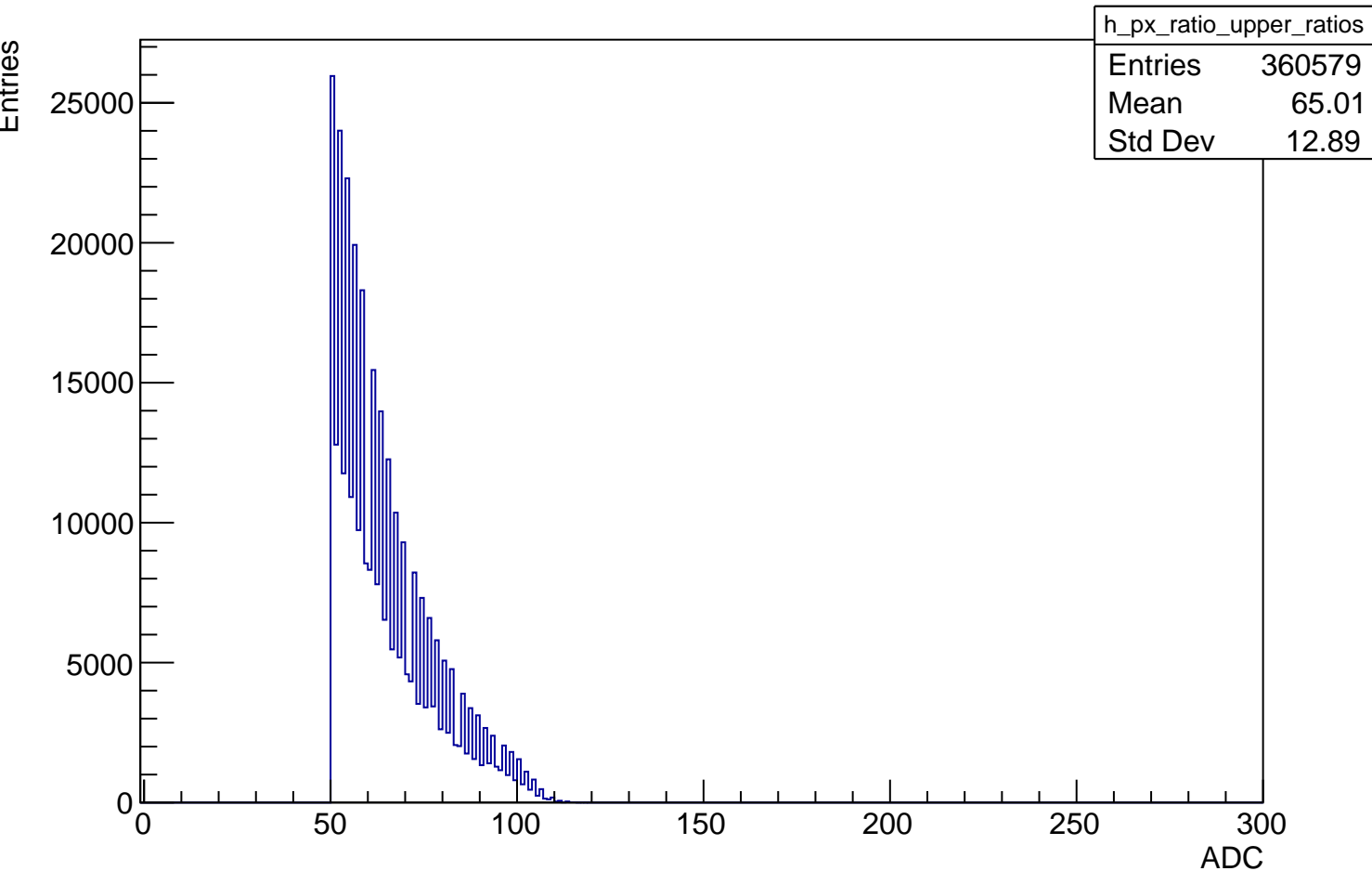
Mean 997

Std Dev 428.6

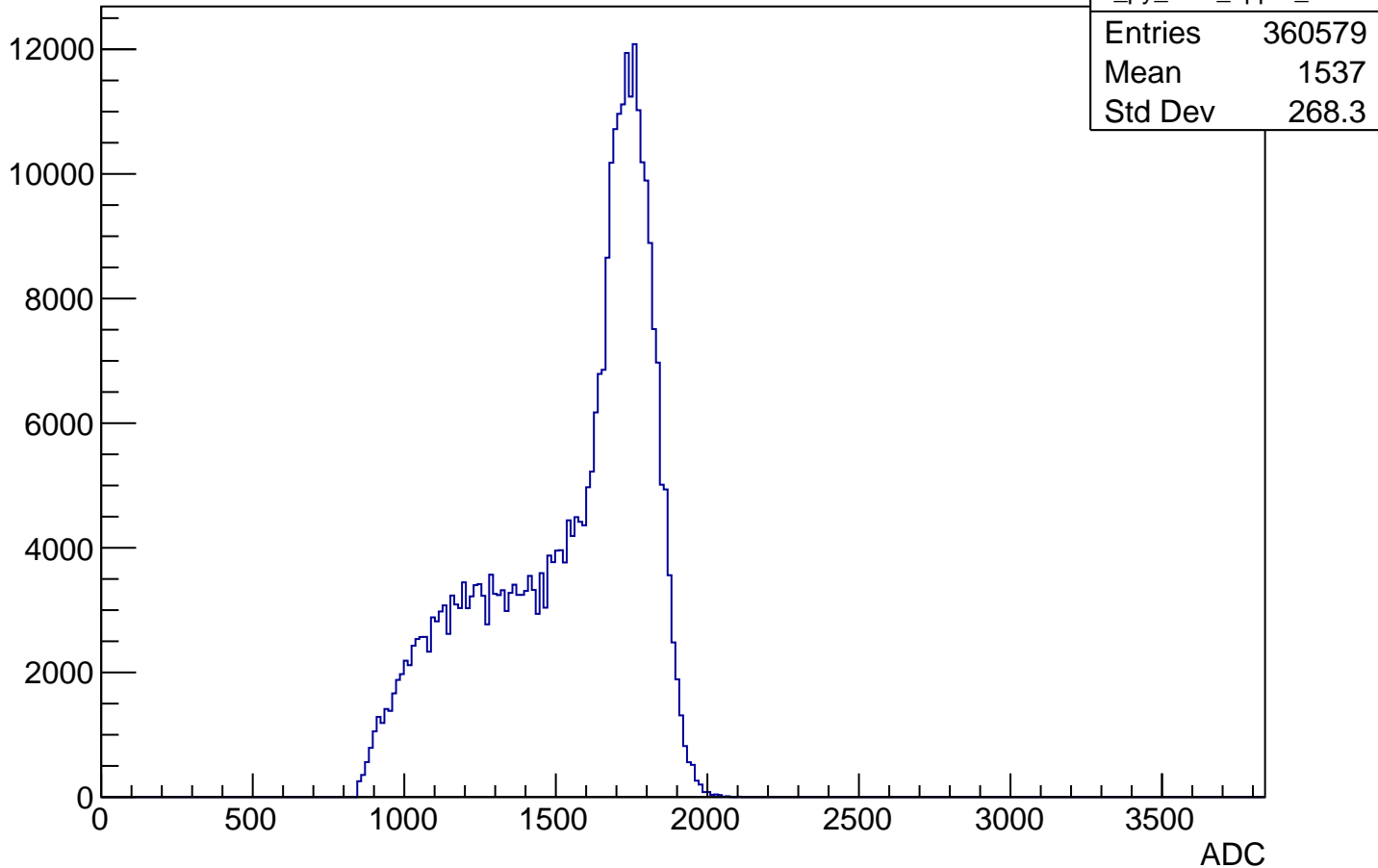
ADC



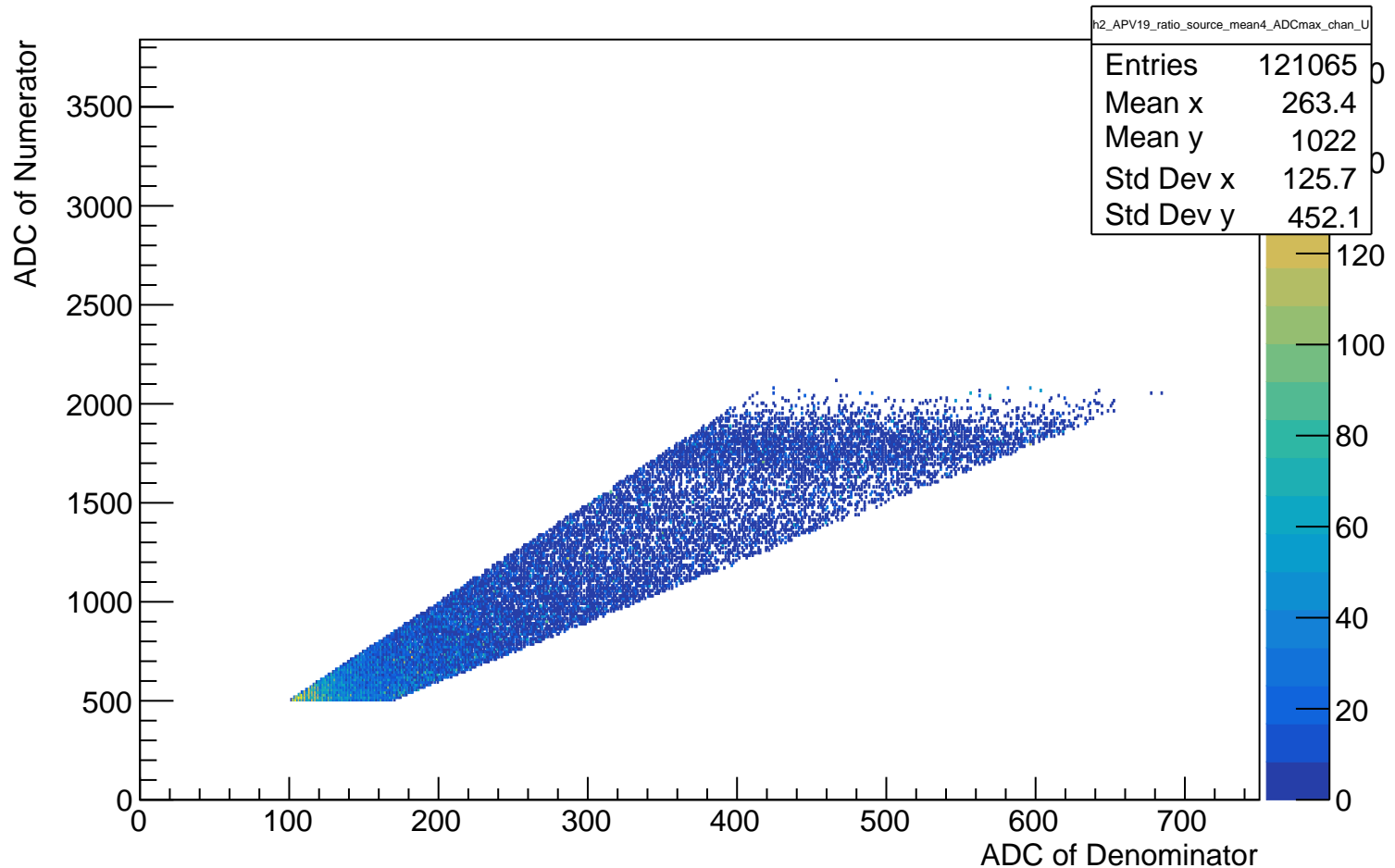




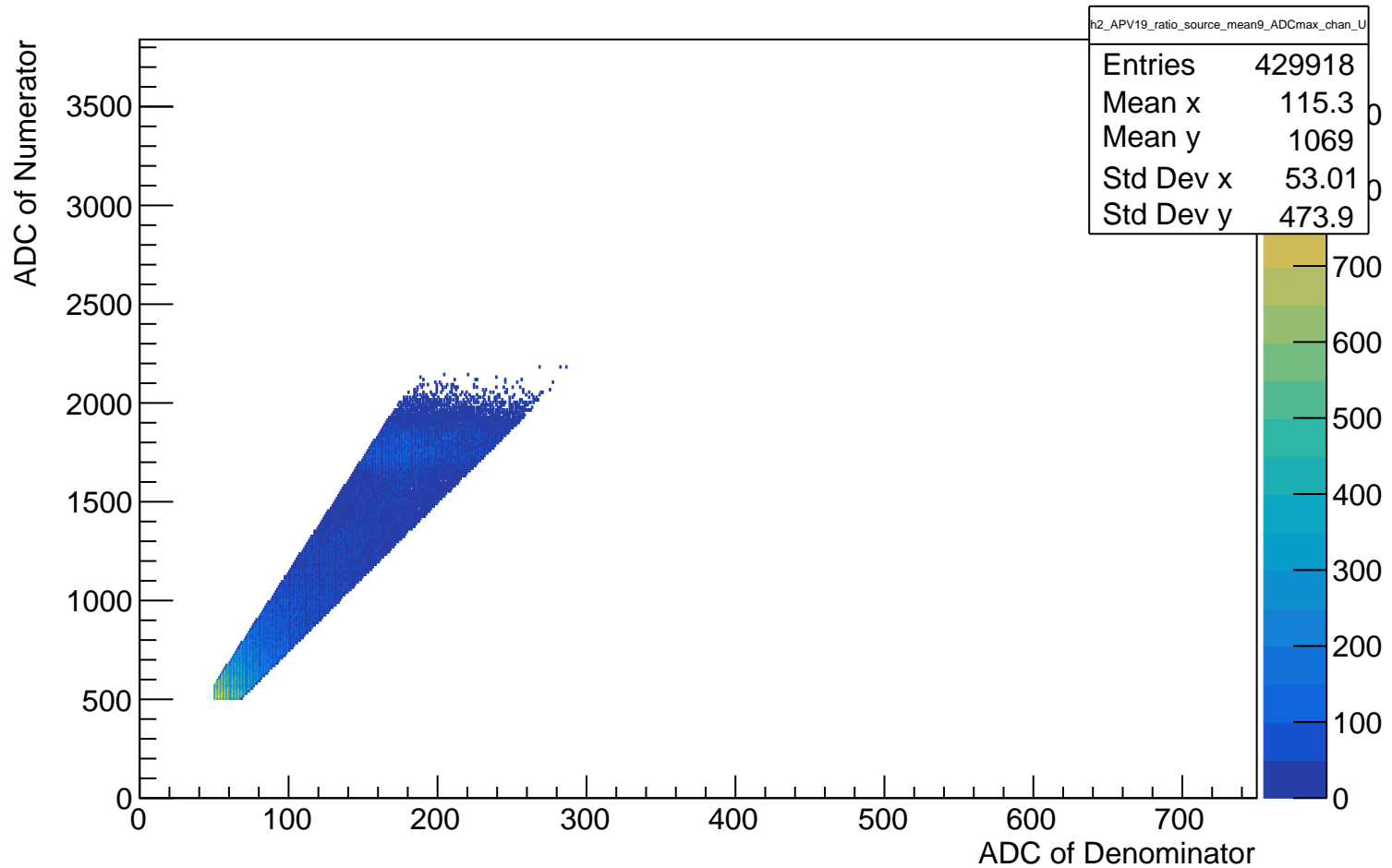
Entries

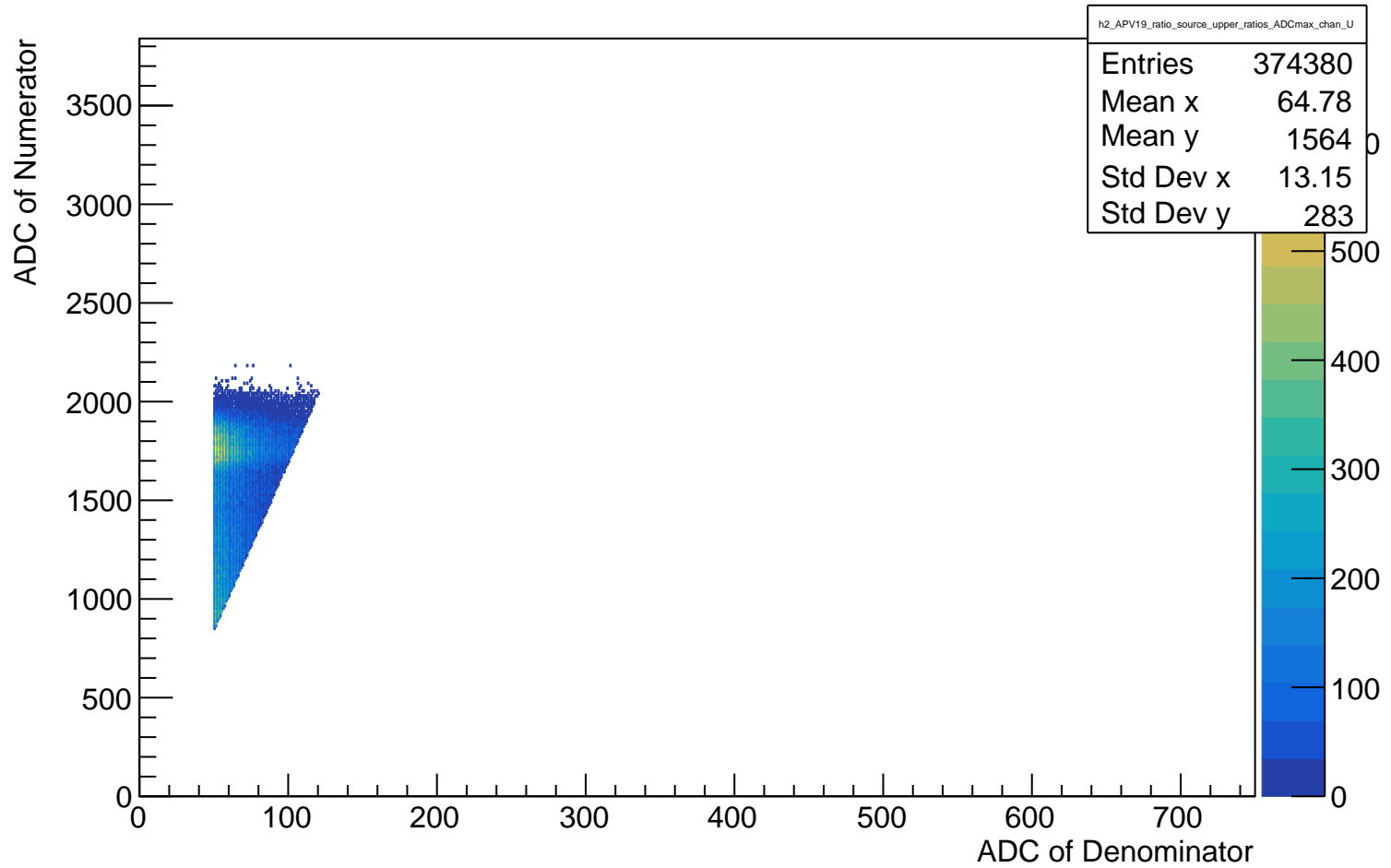


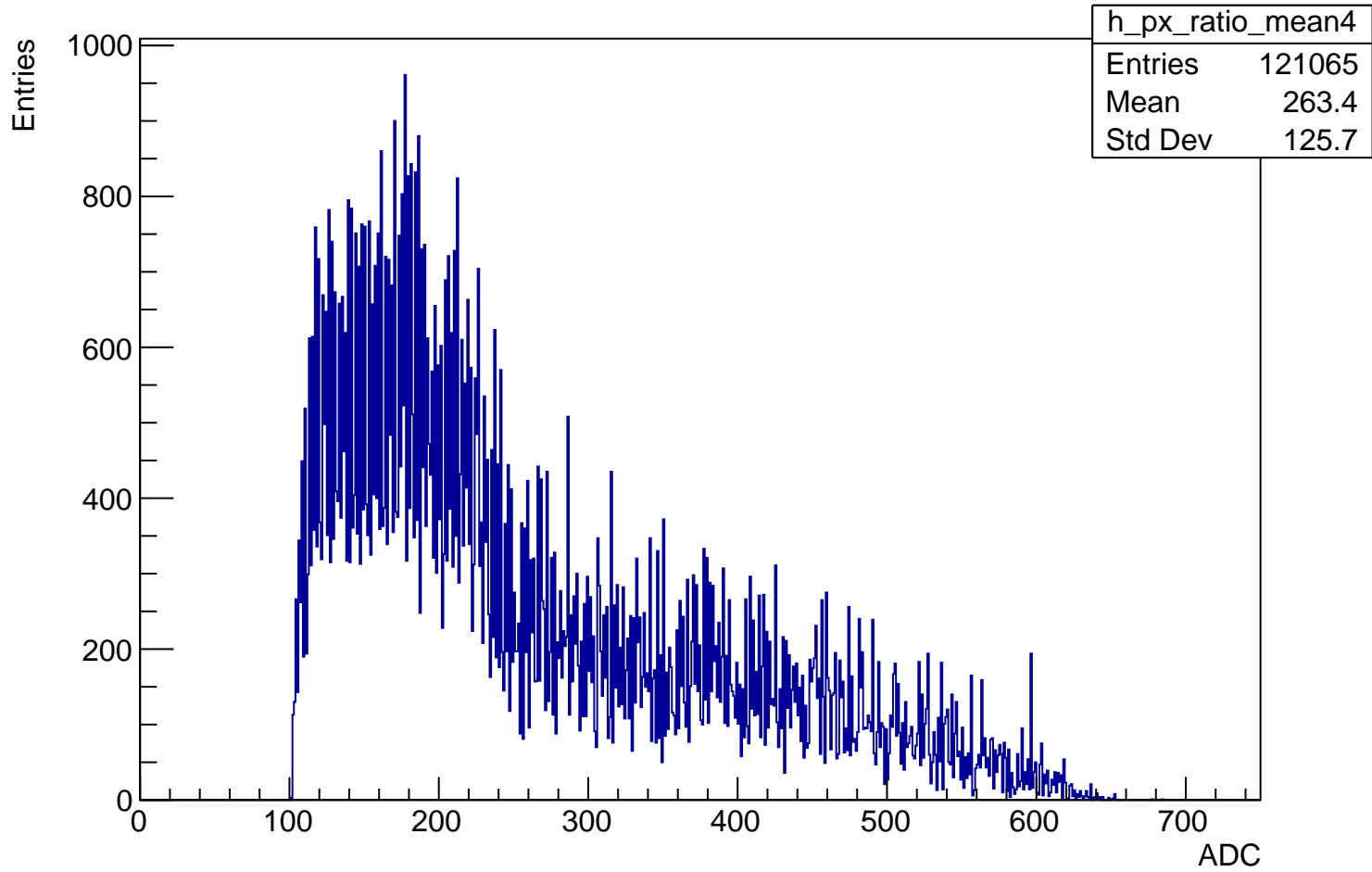
APV19 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

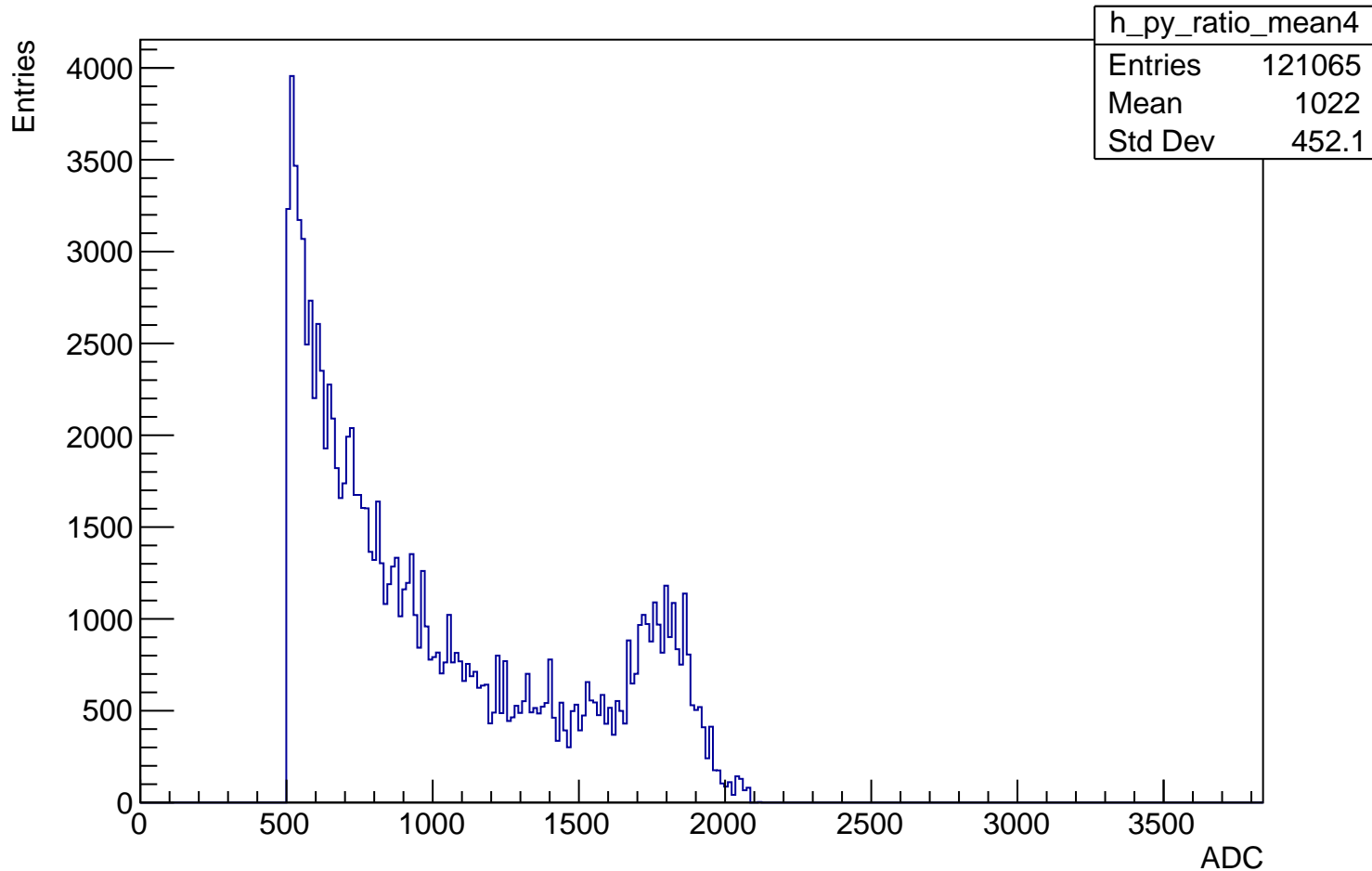


APV19 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

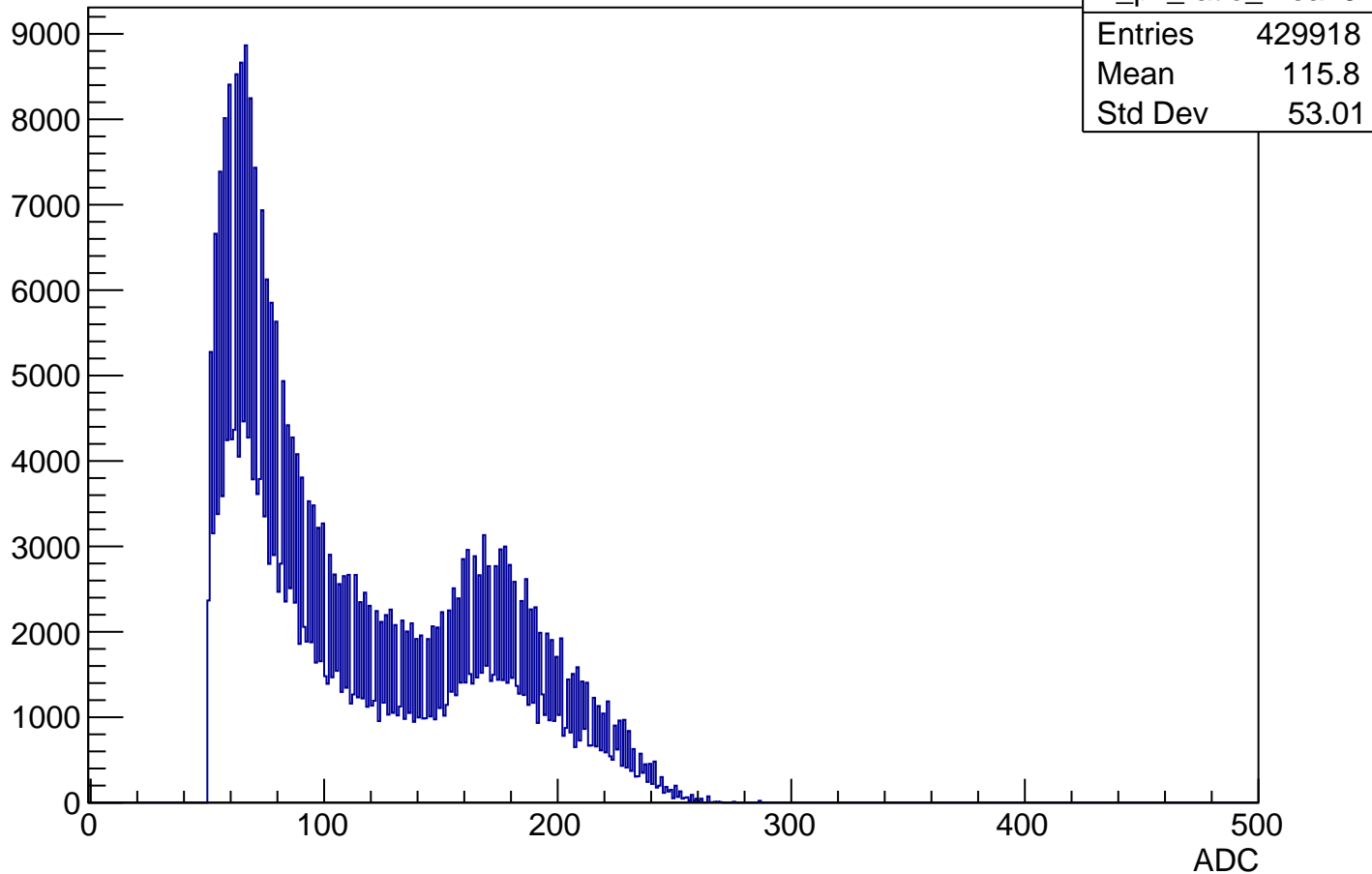


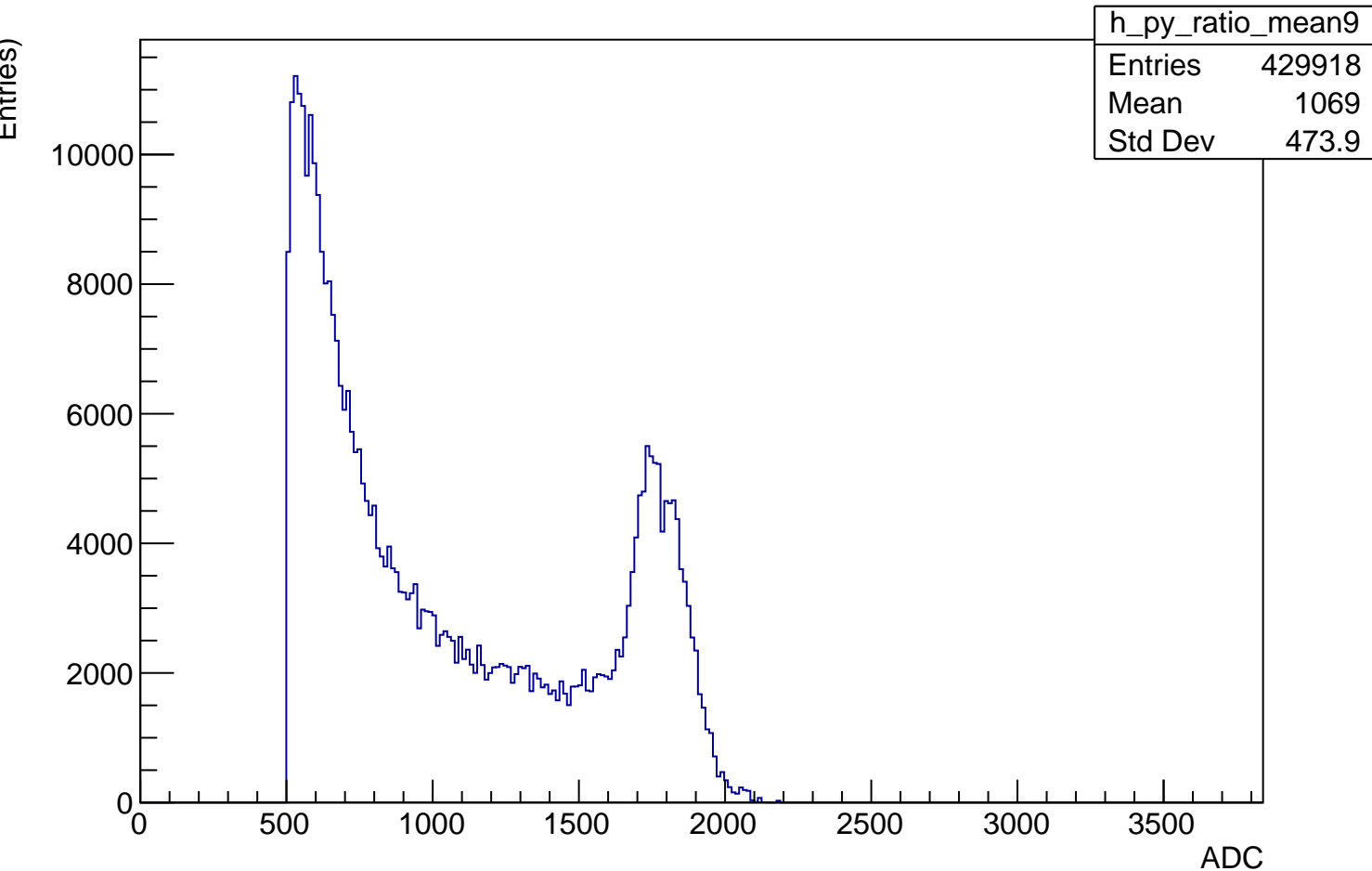




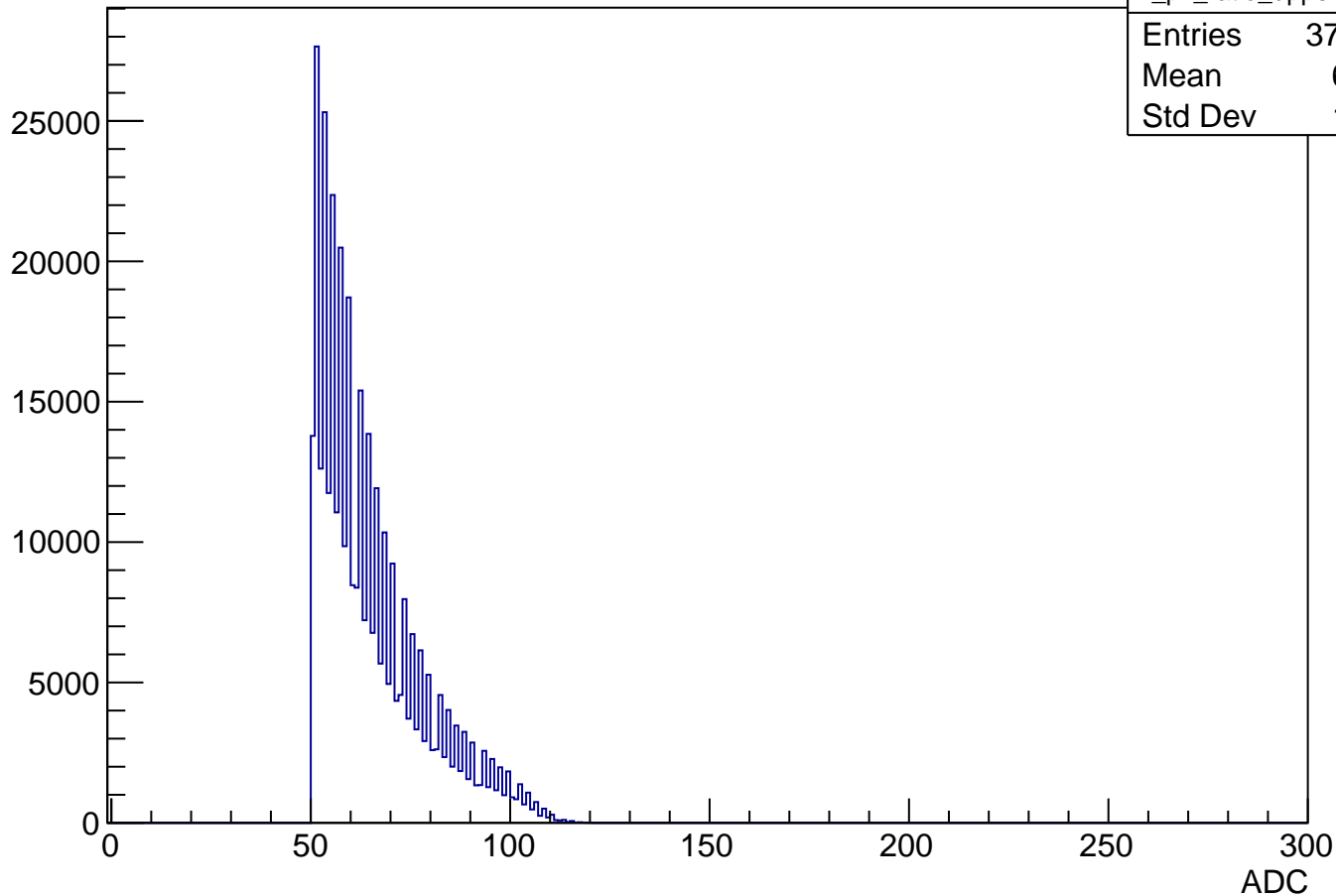


Entries)

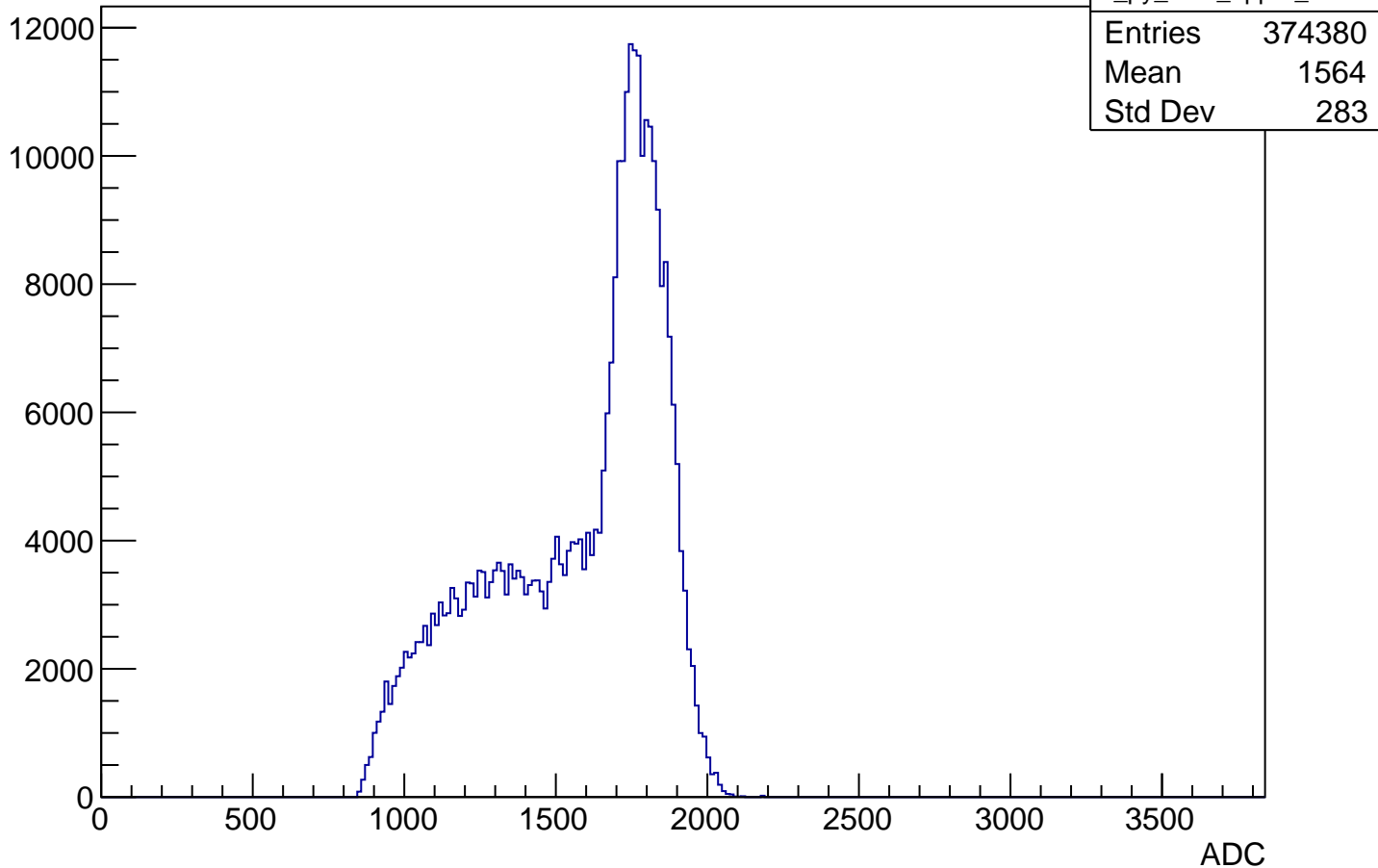




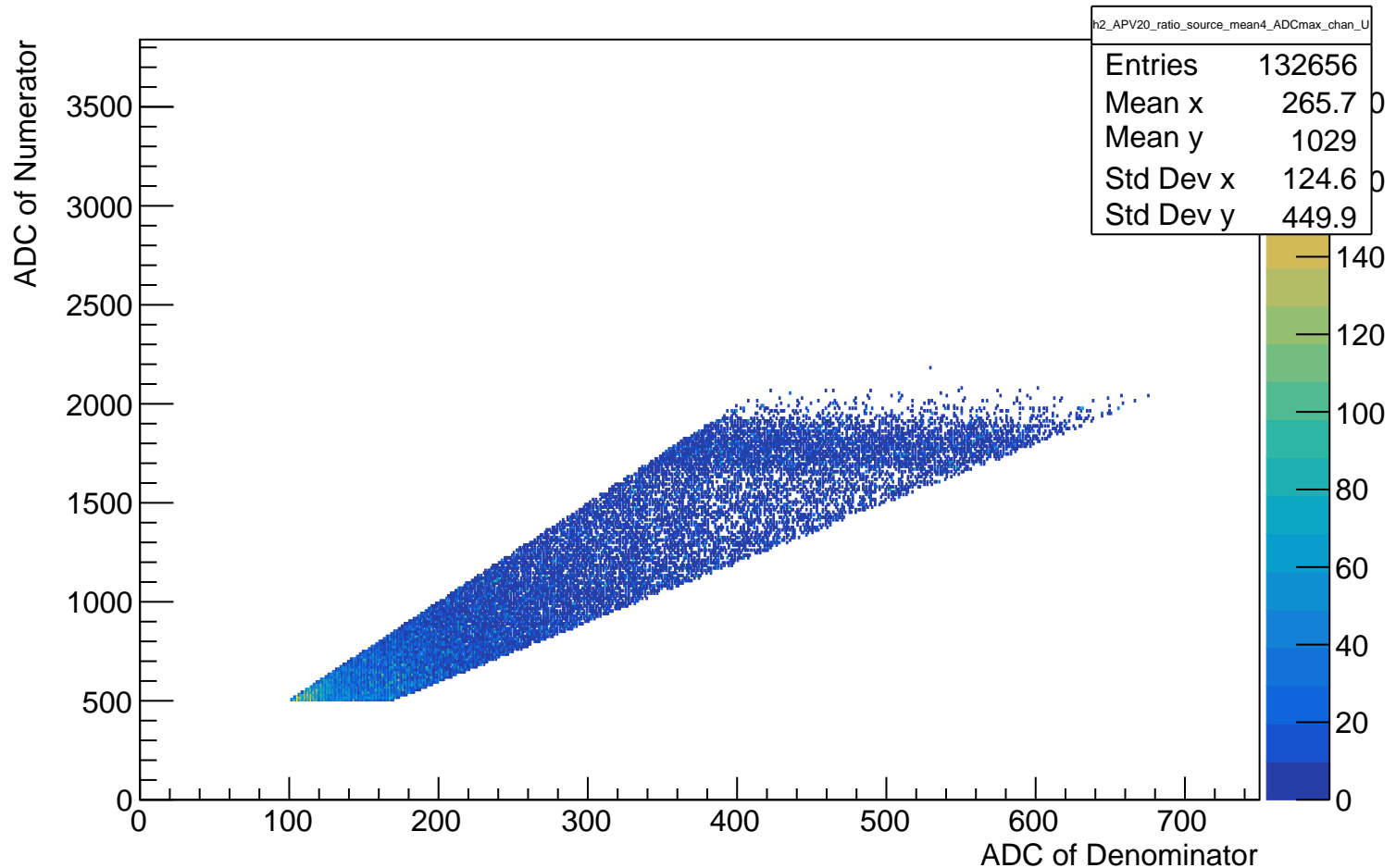
Entries



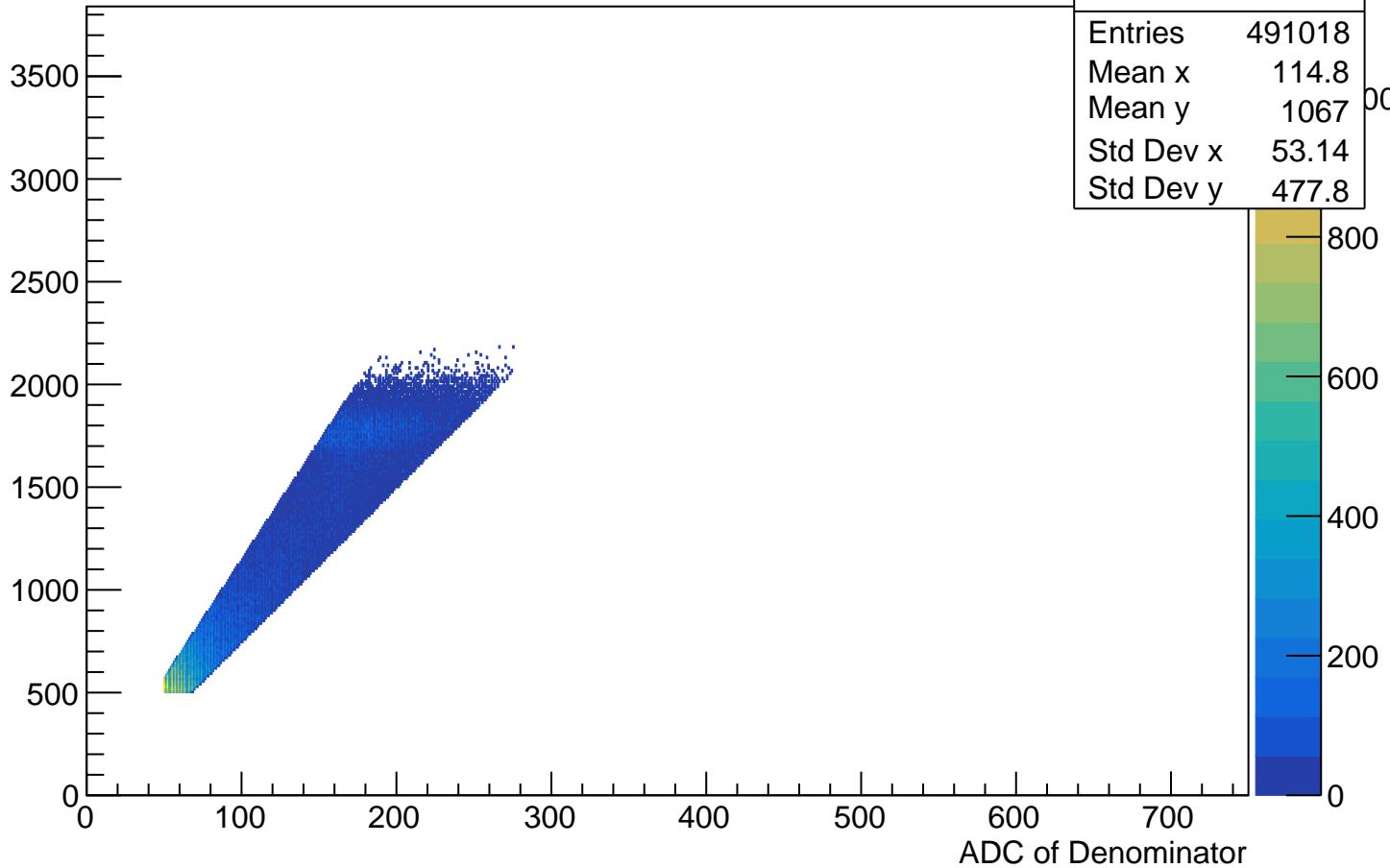
Entries



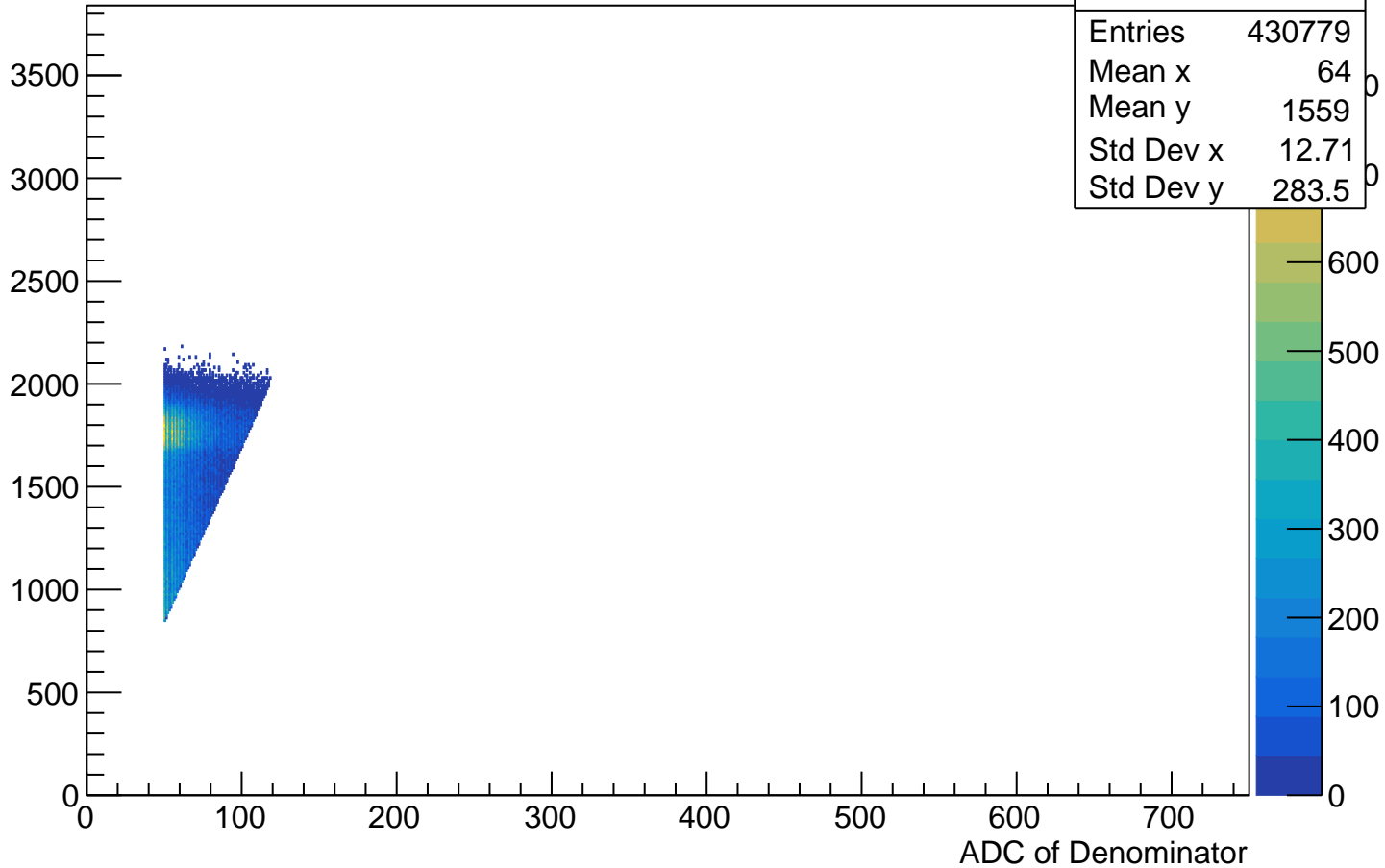
APV20 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



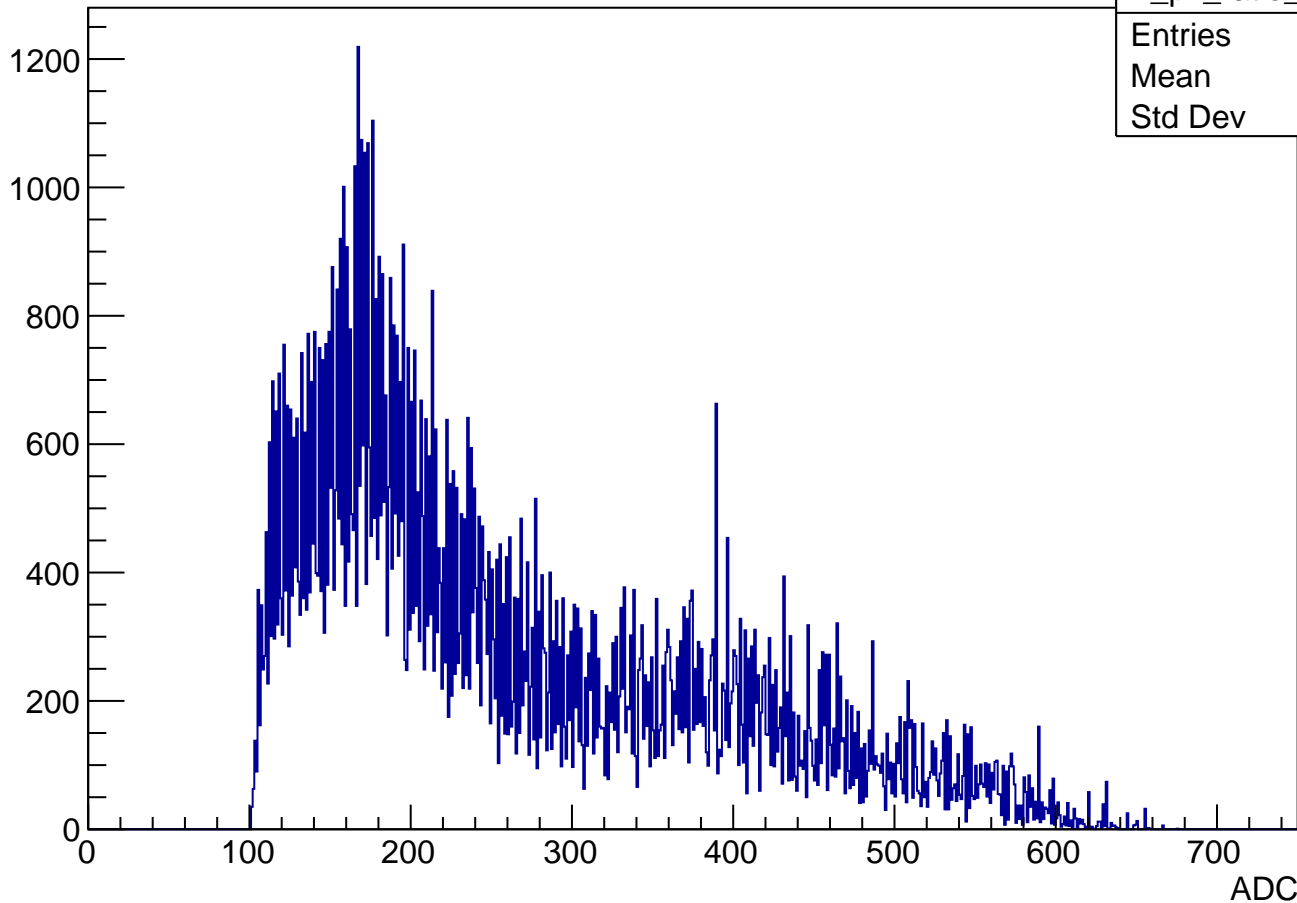
ADC of Numerator



ADC of Numerator



Entries



h_px_ratio_mean4

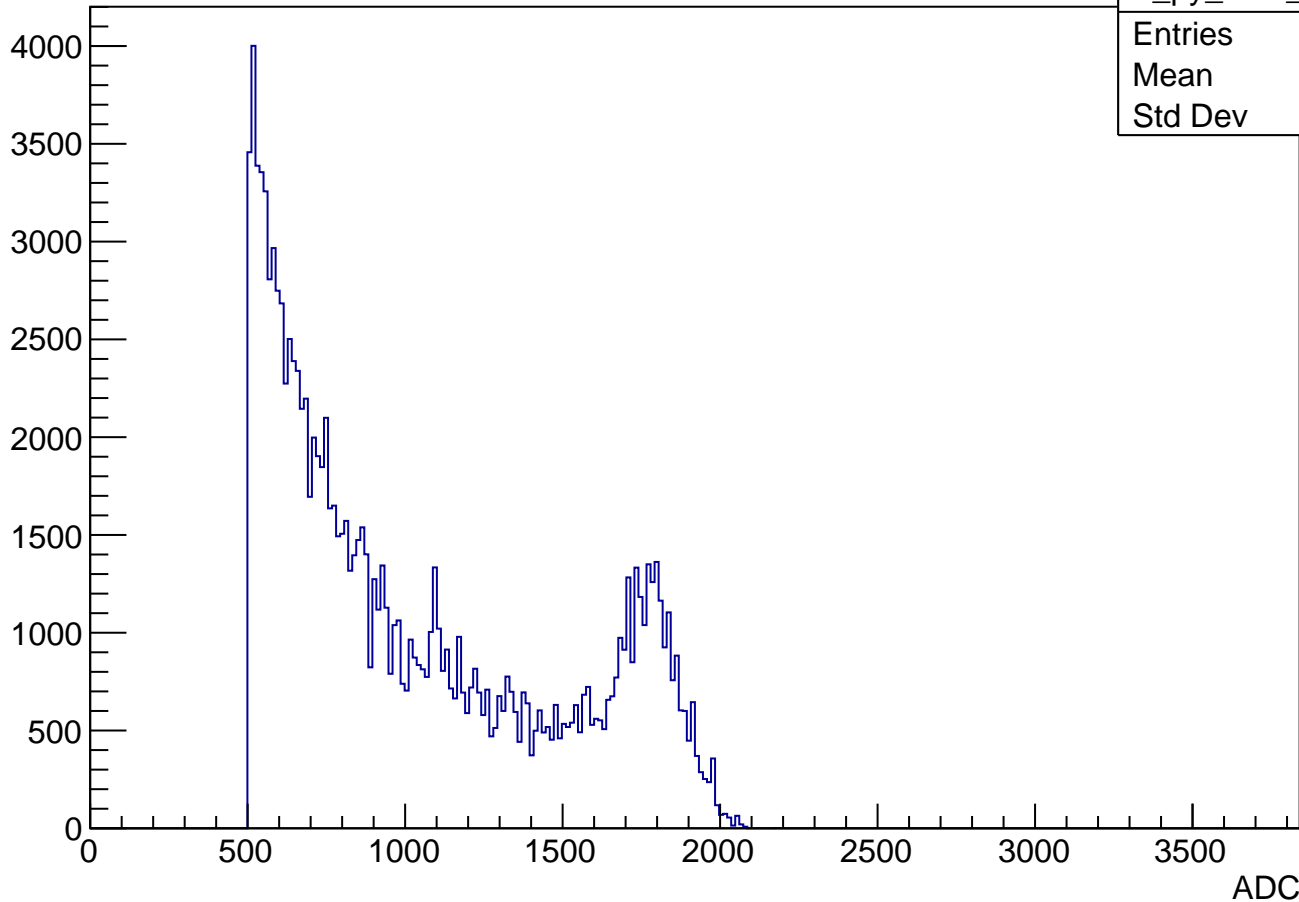
Entries 132656

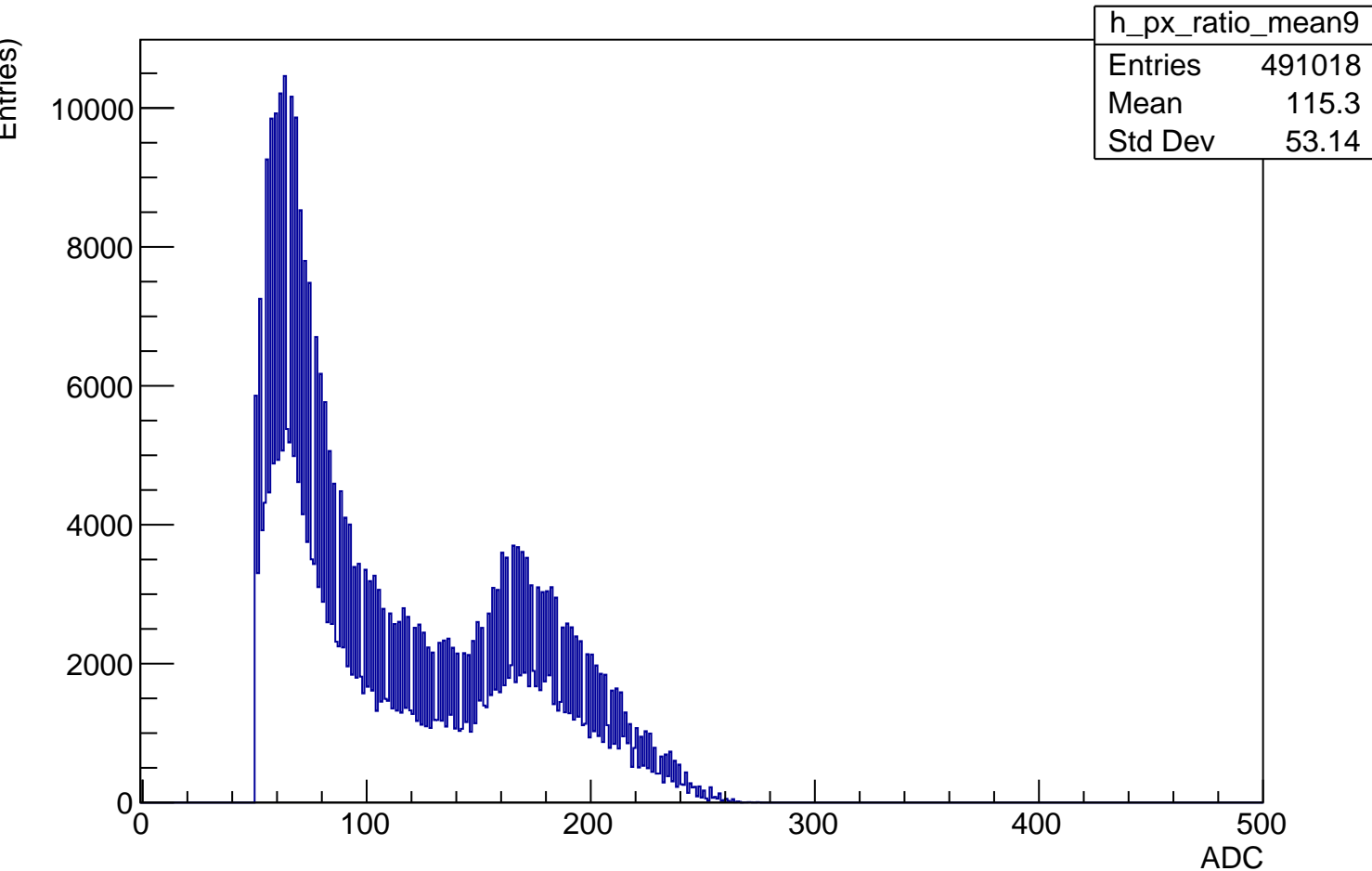
Mean 265.7

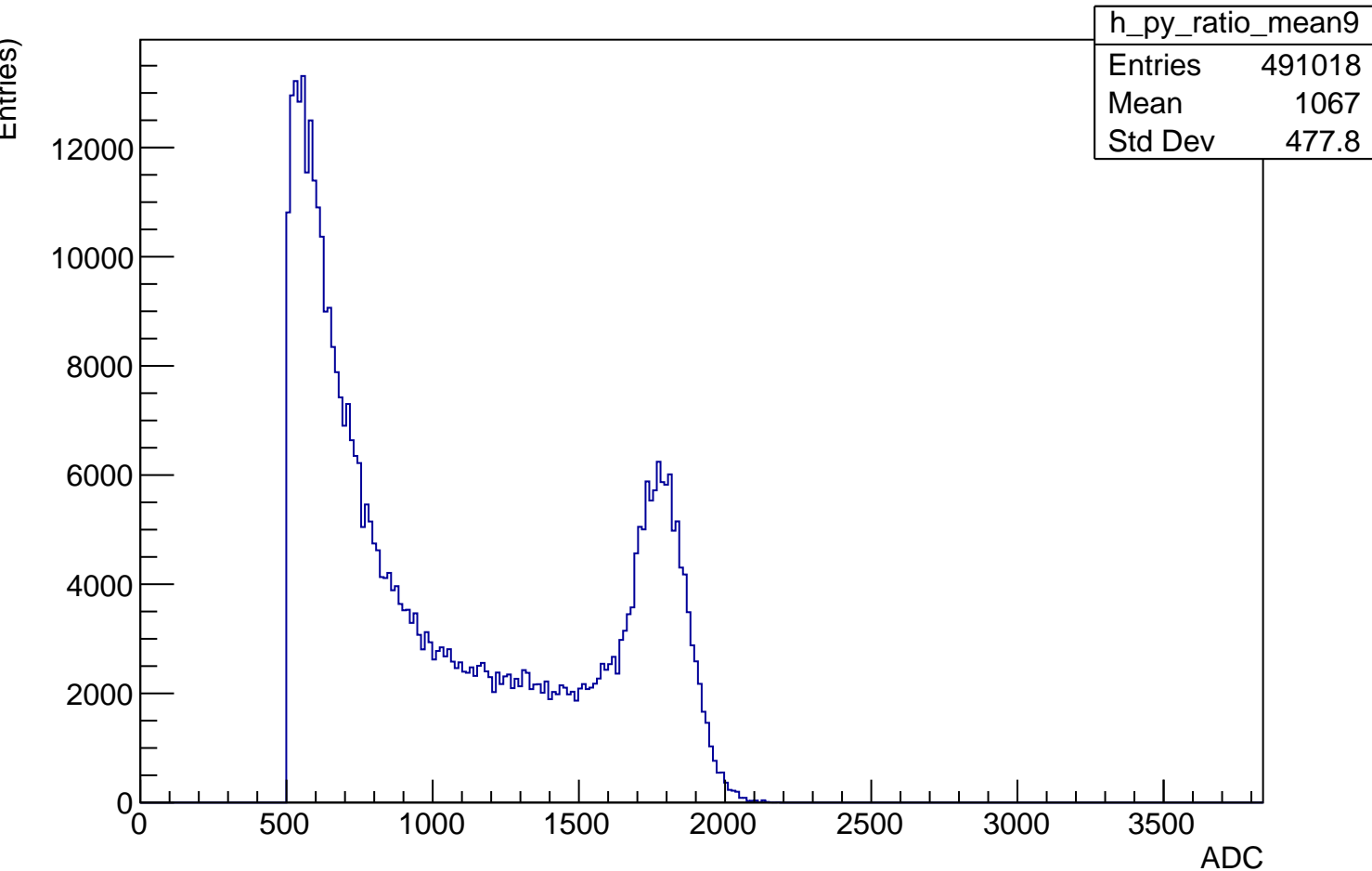
Std Dev 124.6

ADC

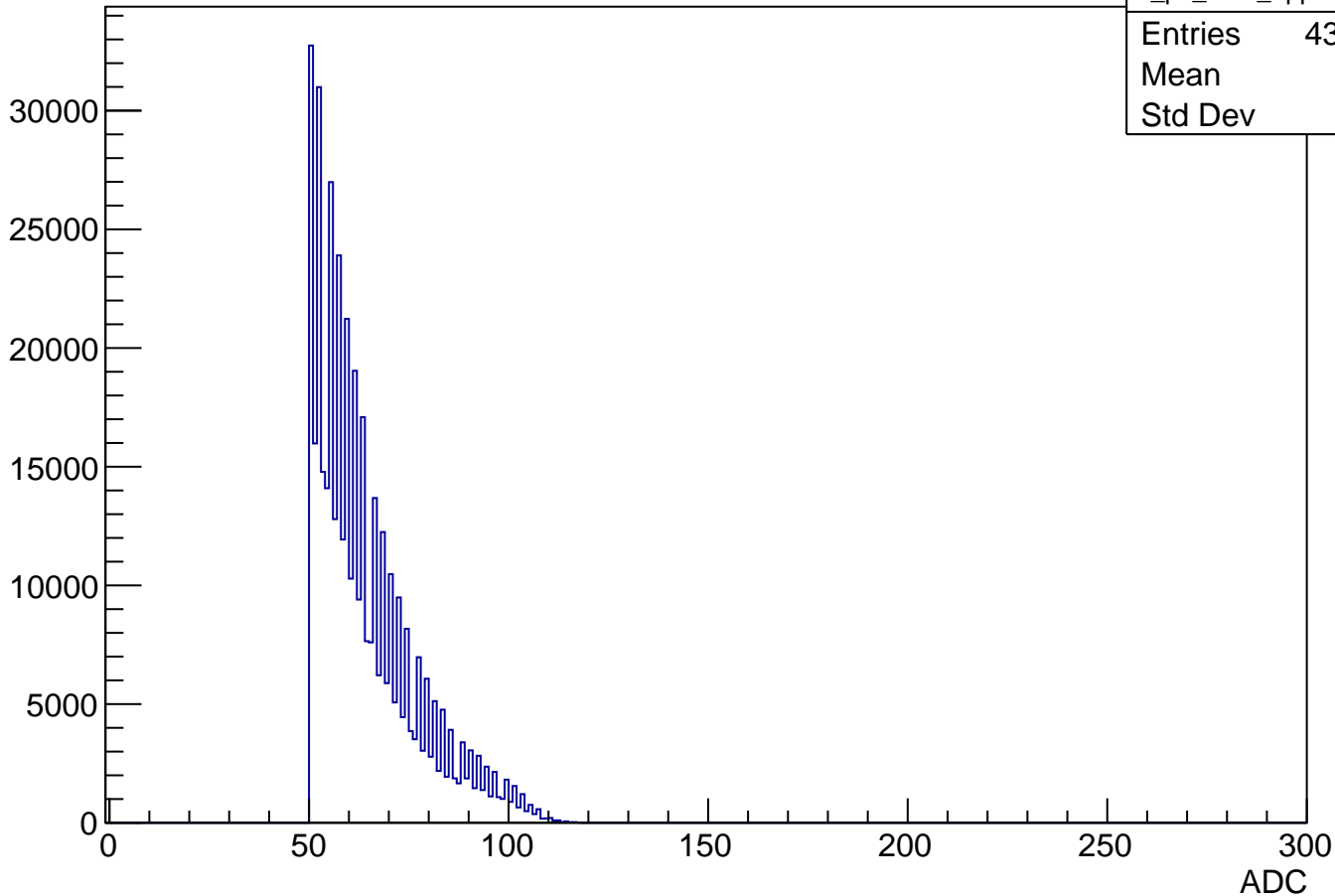
Entries



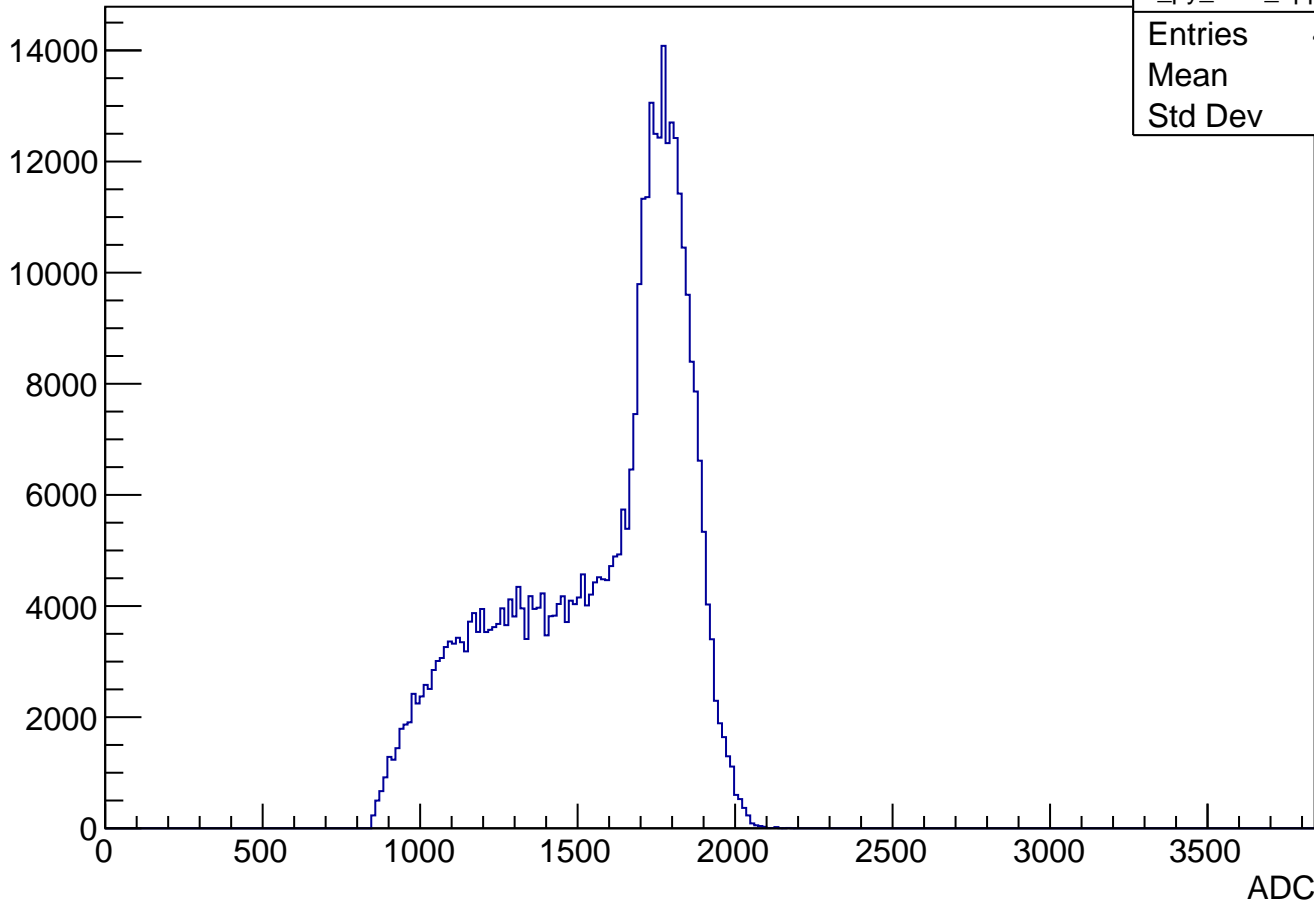




Entries



Entries



h_py_ratio_upper_ratios

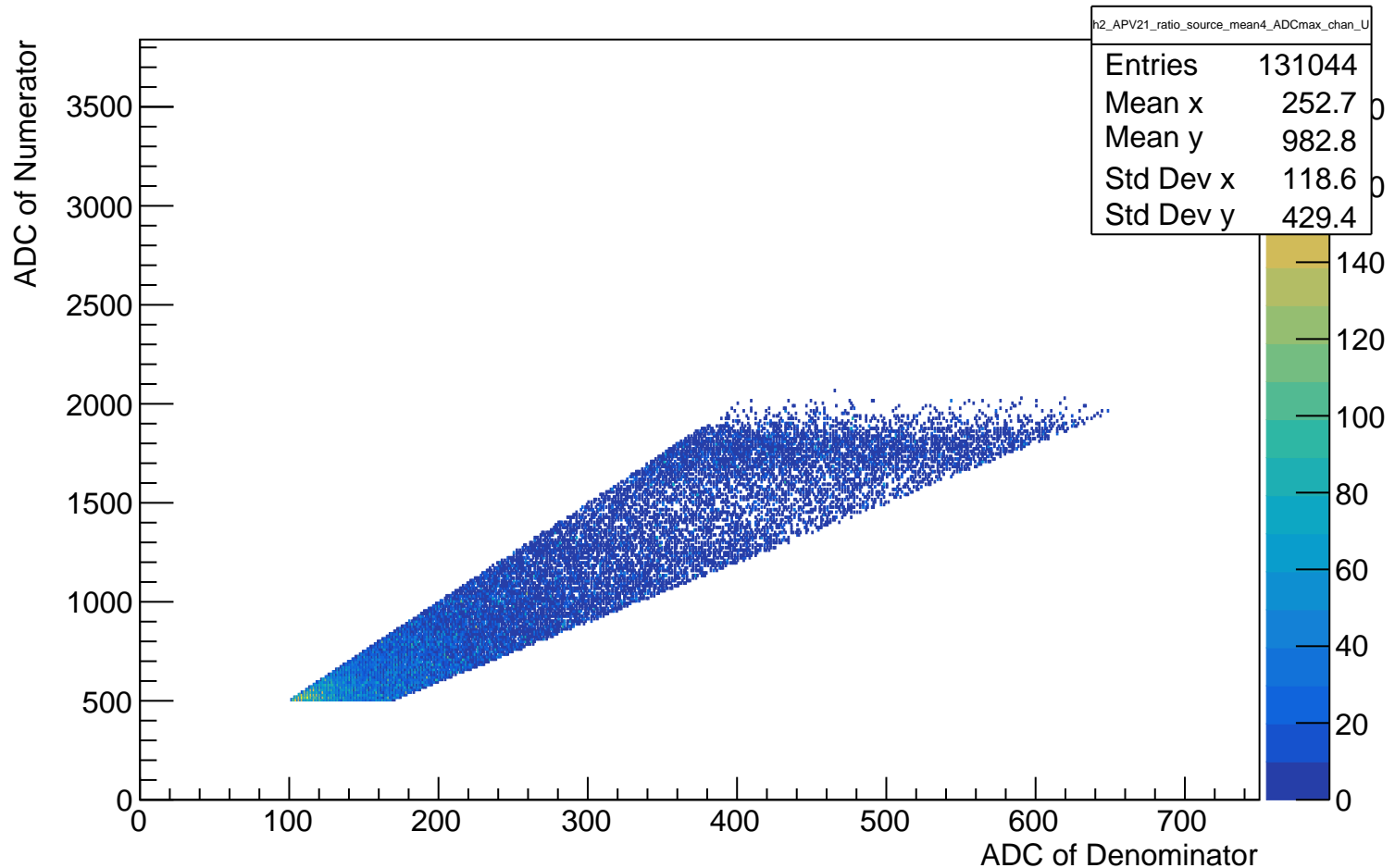
Entries 430779

Mean 1559

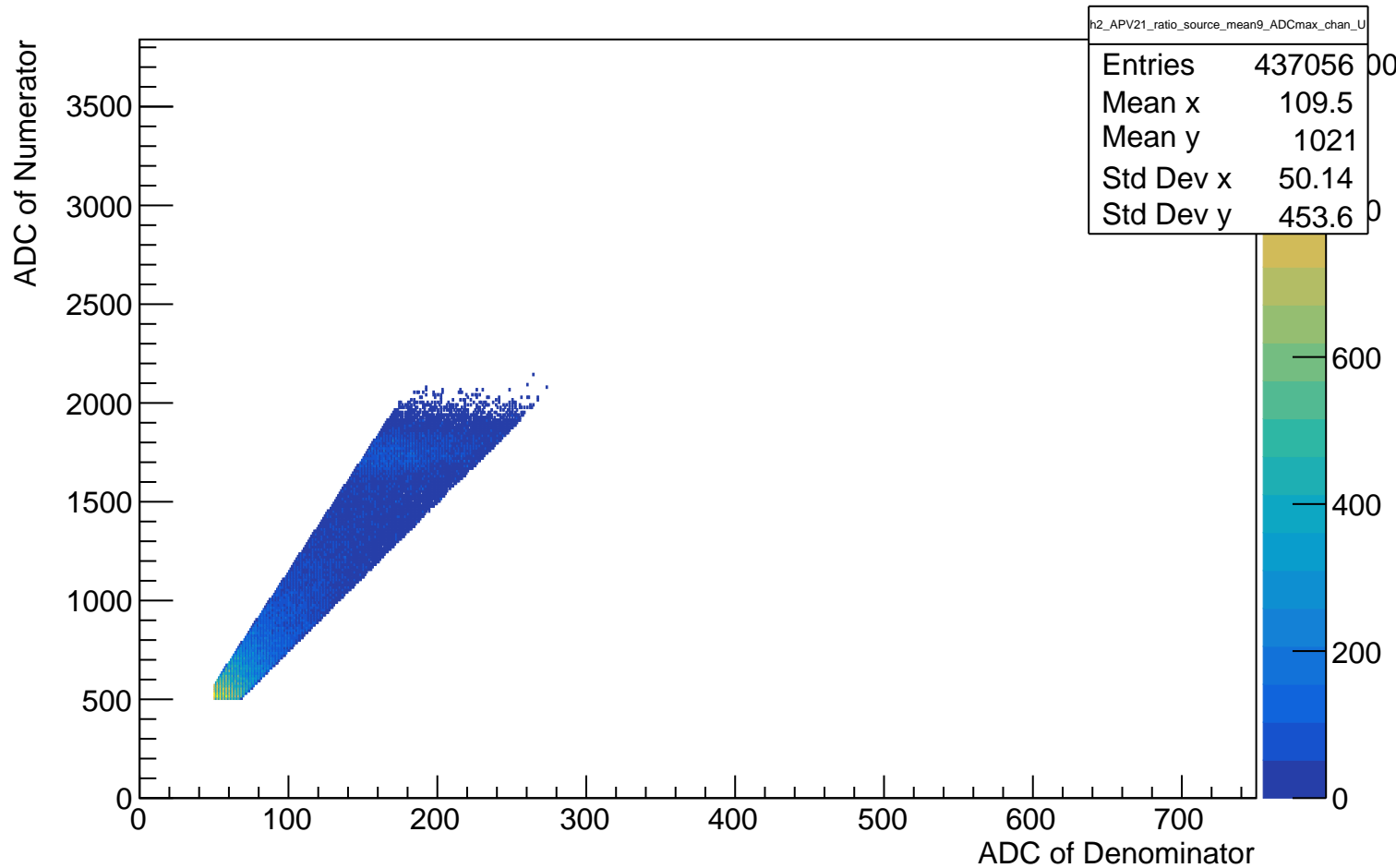
Std Dev 283.5

ADC

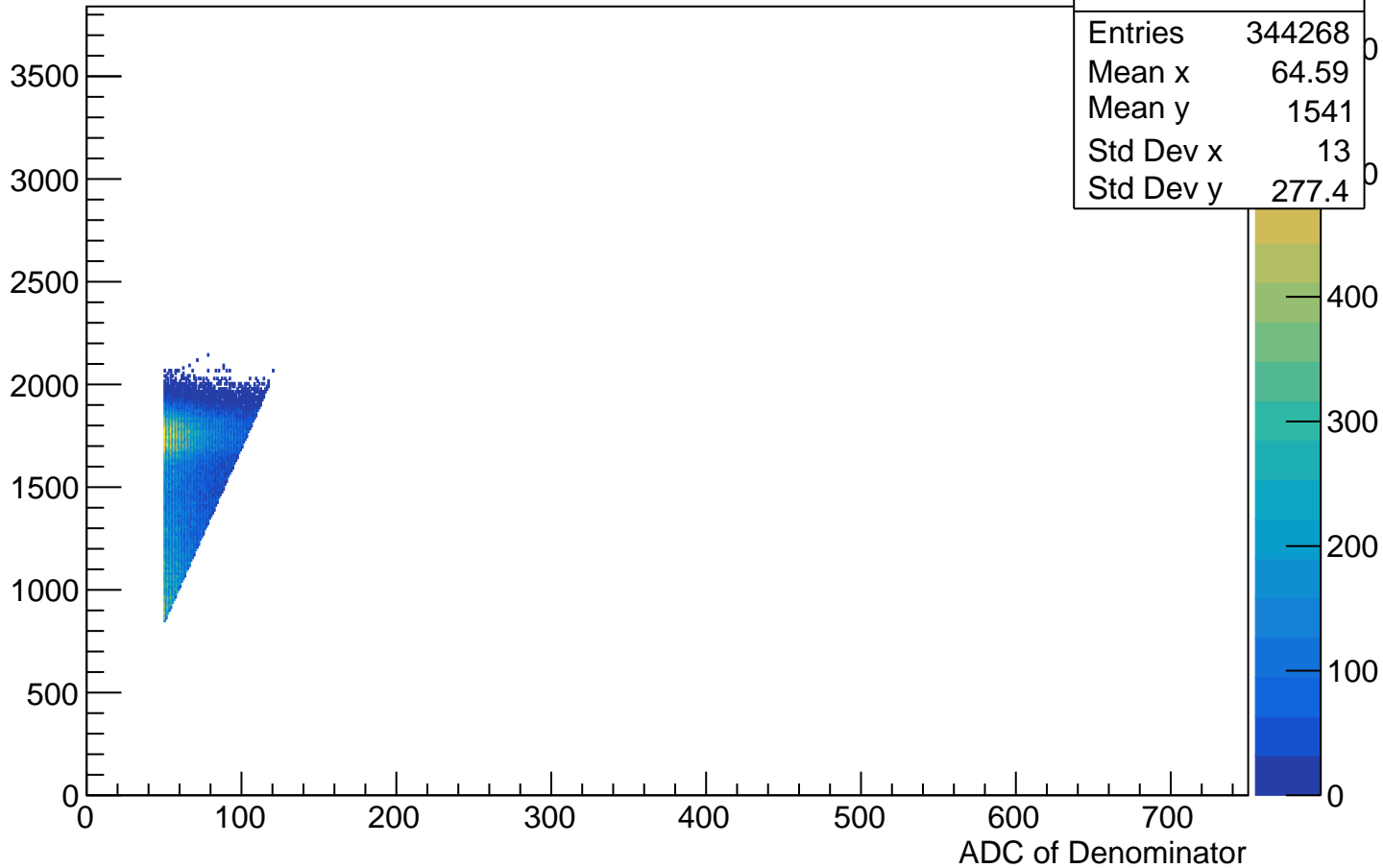
APV21 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



APV21 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

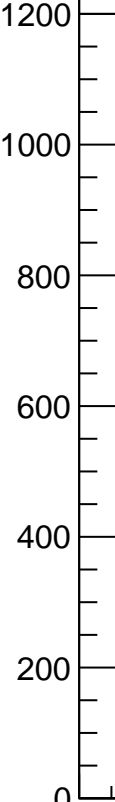


ADC of Numerator

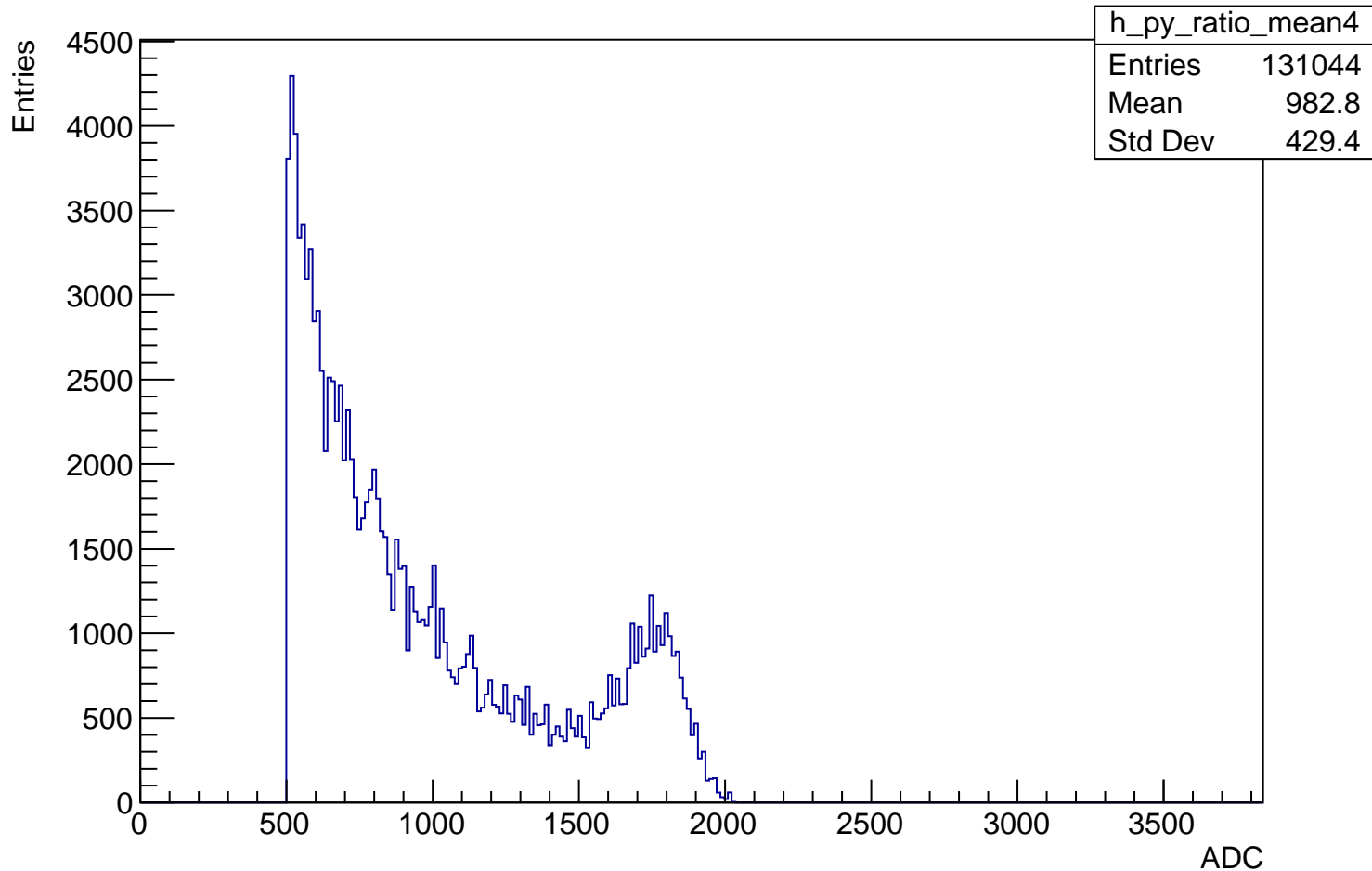


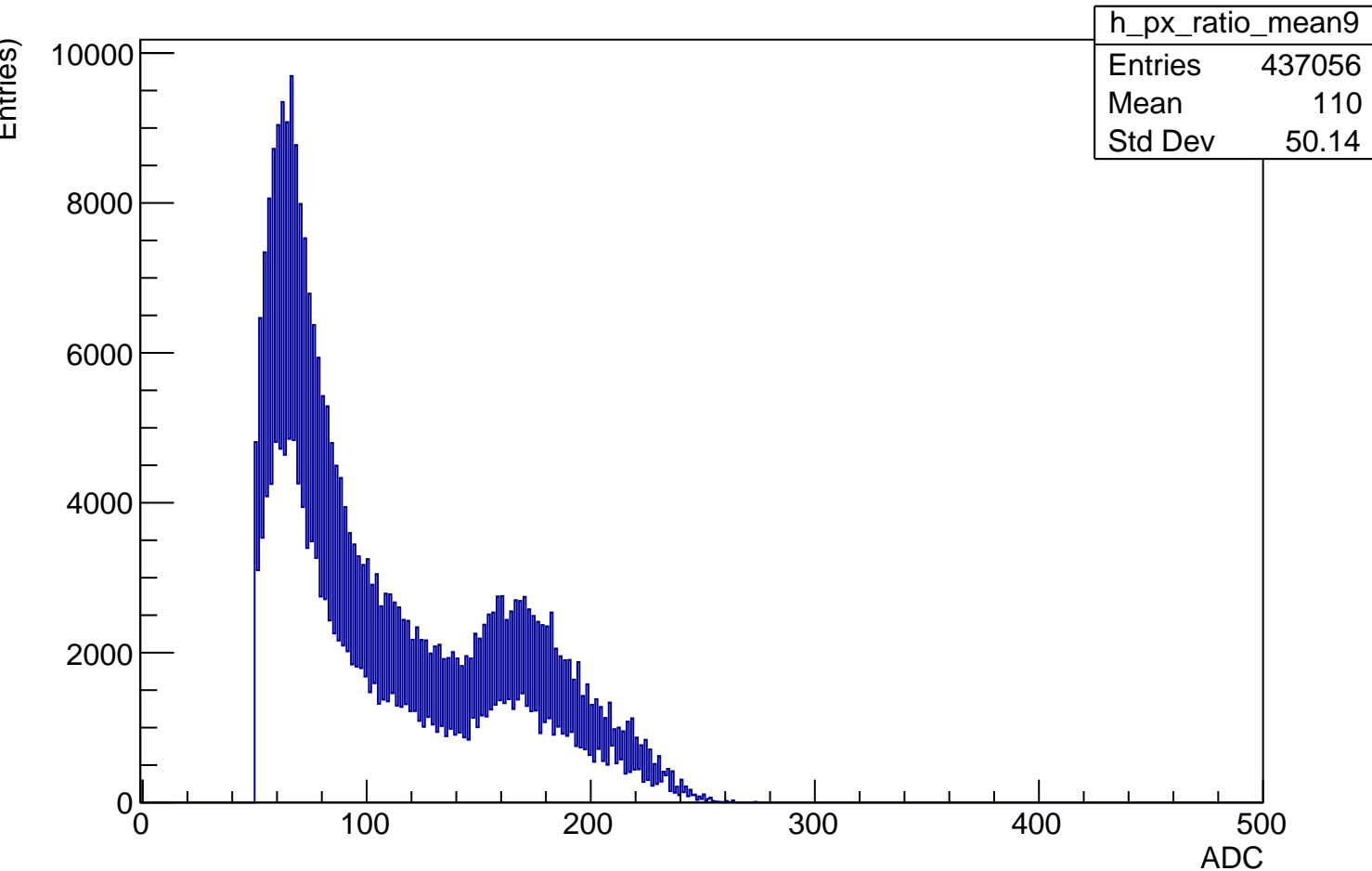
h_px_ratio_mean4	
Entries	131044
Mean	252.7
Std Dev	118.6

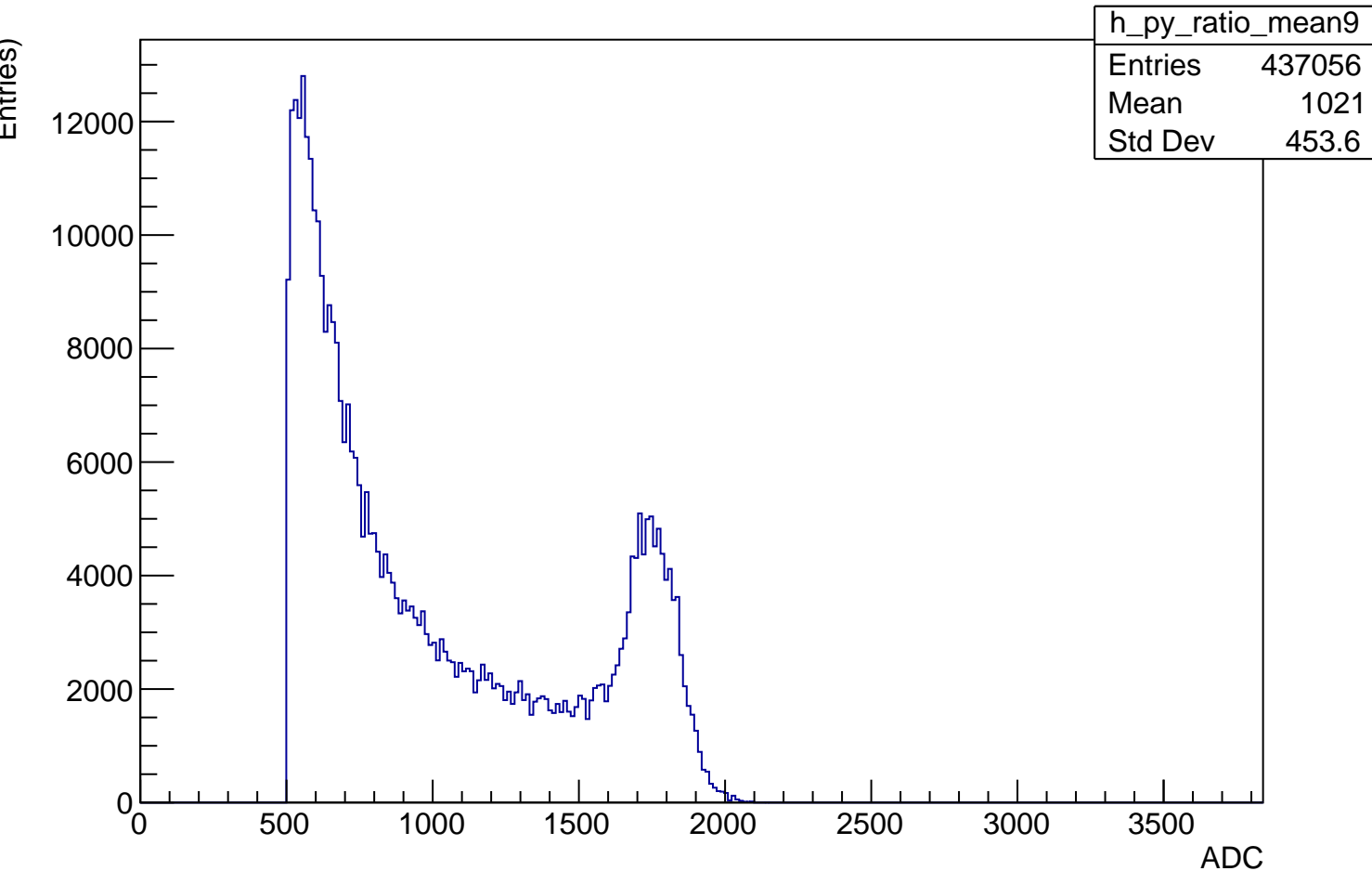
Entries

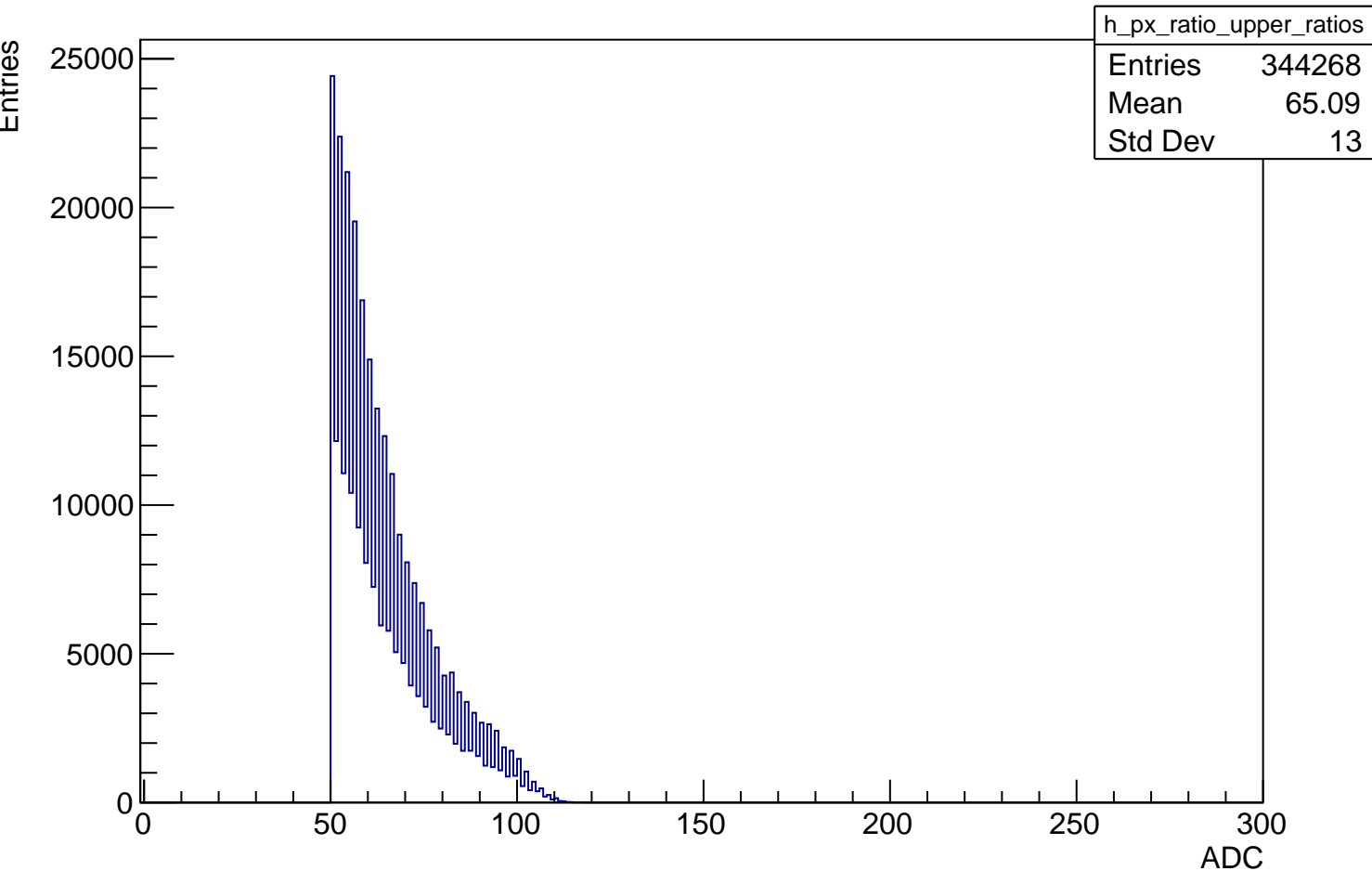


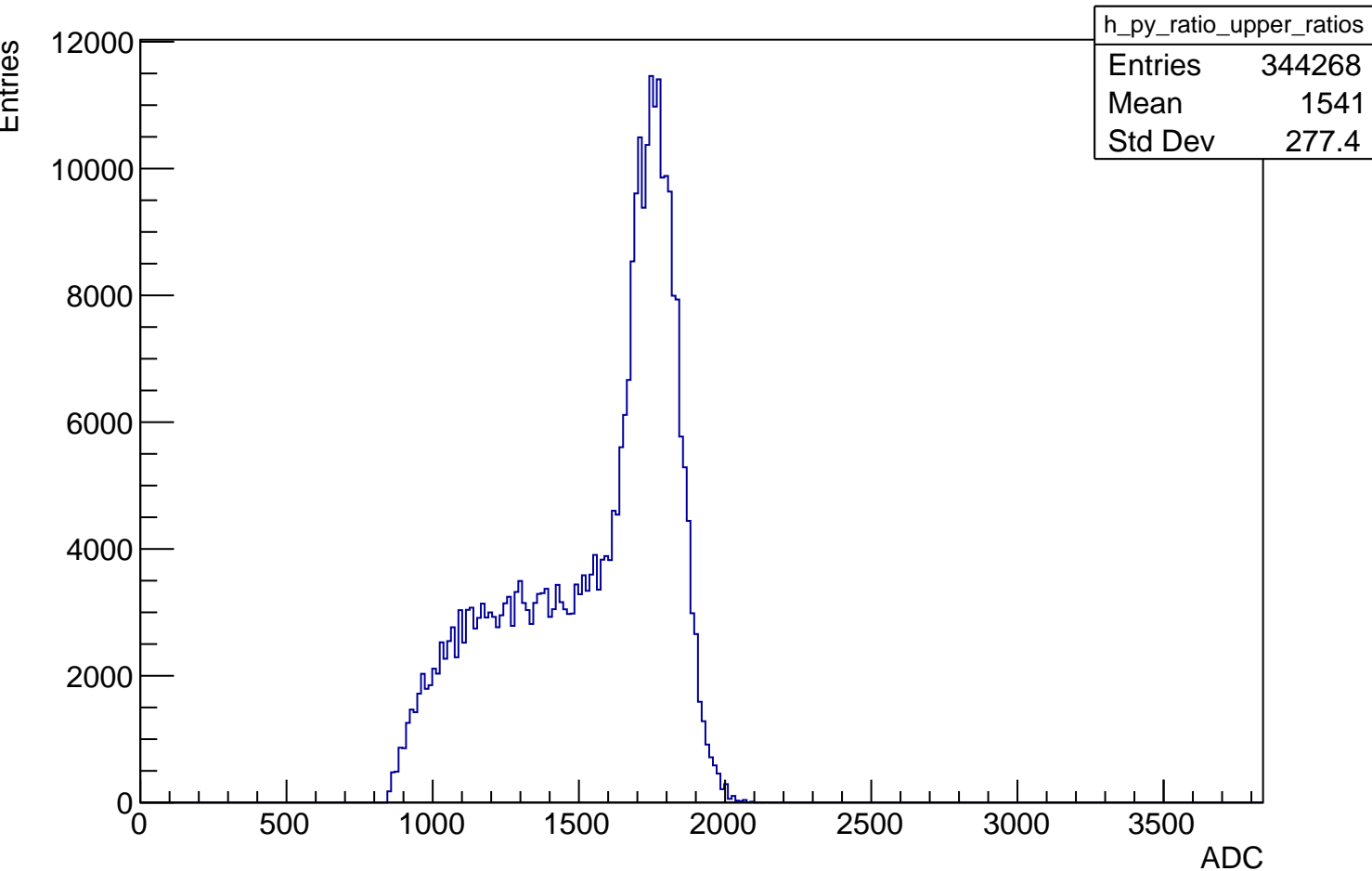
ADC



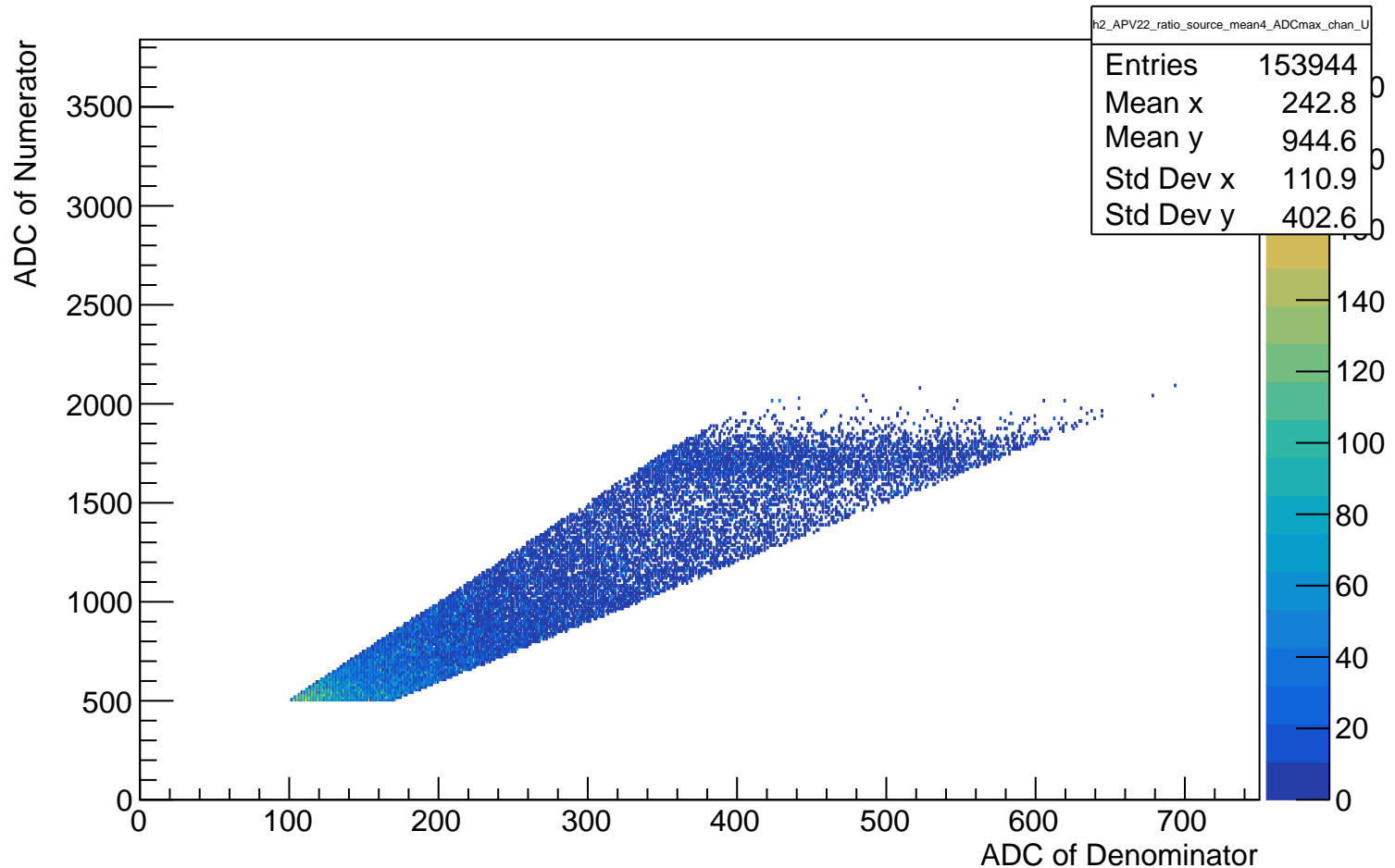




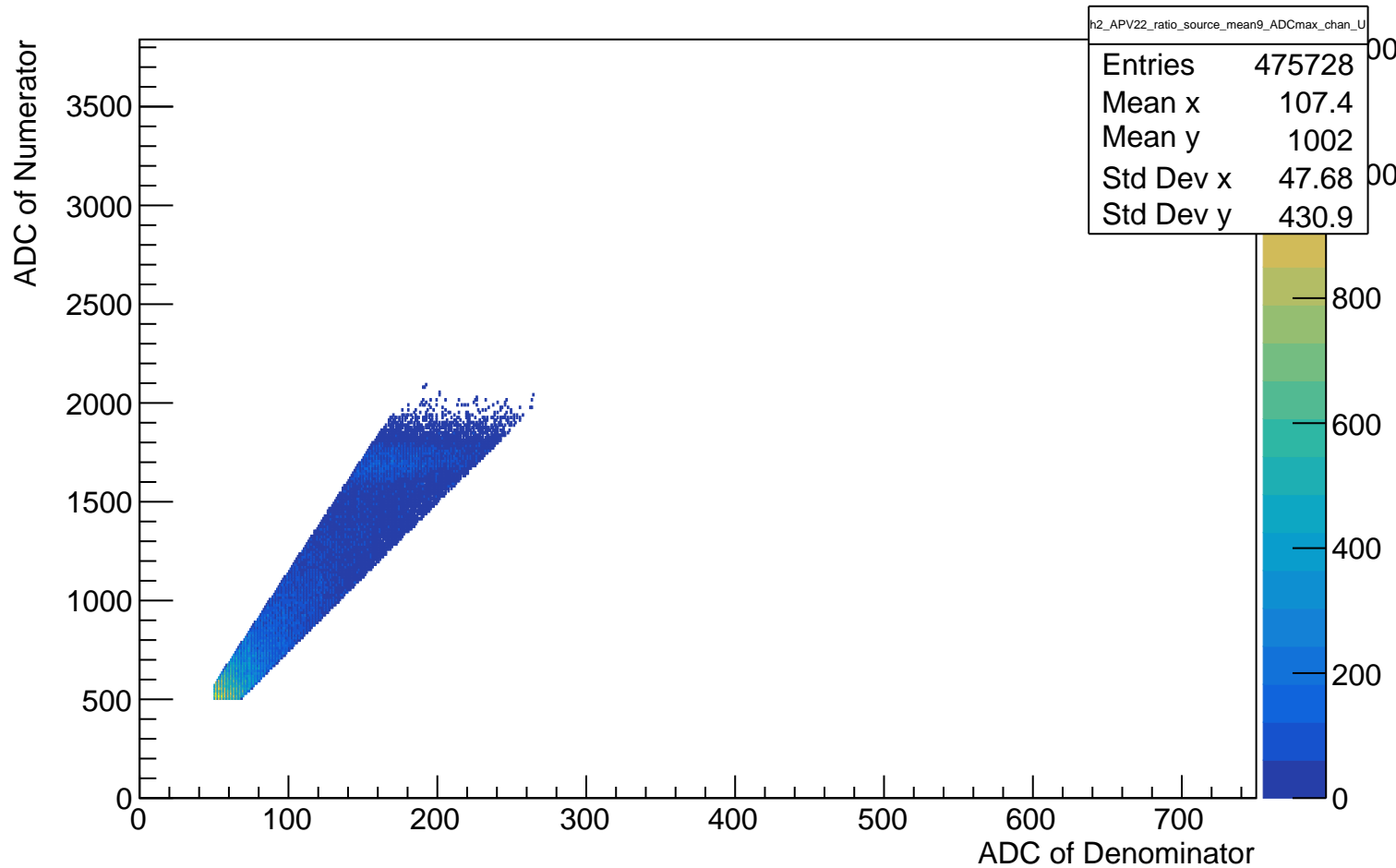


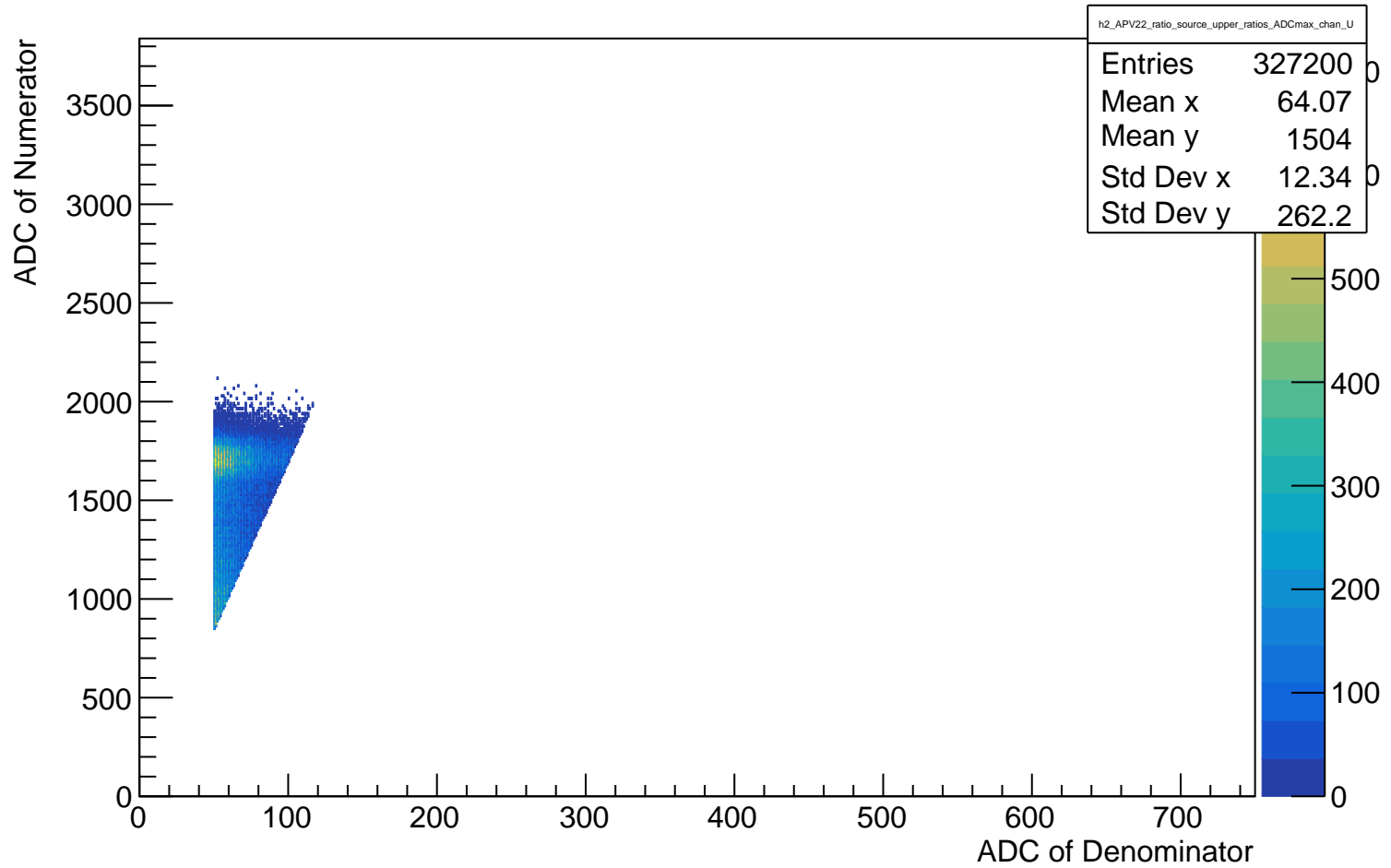


APV22 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

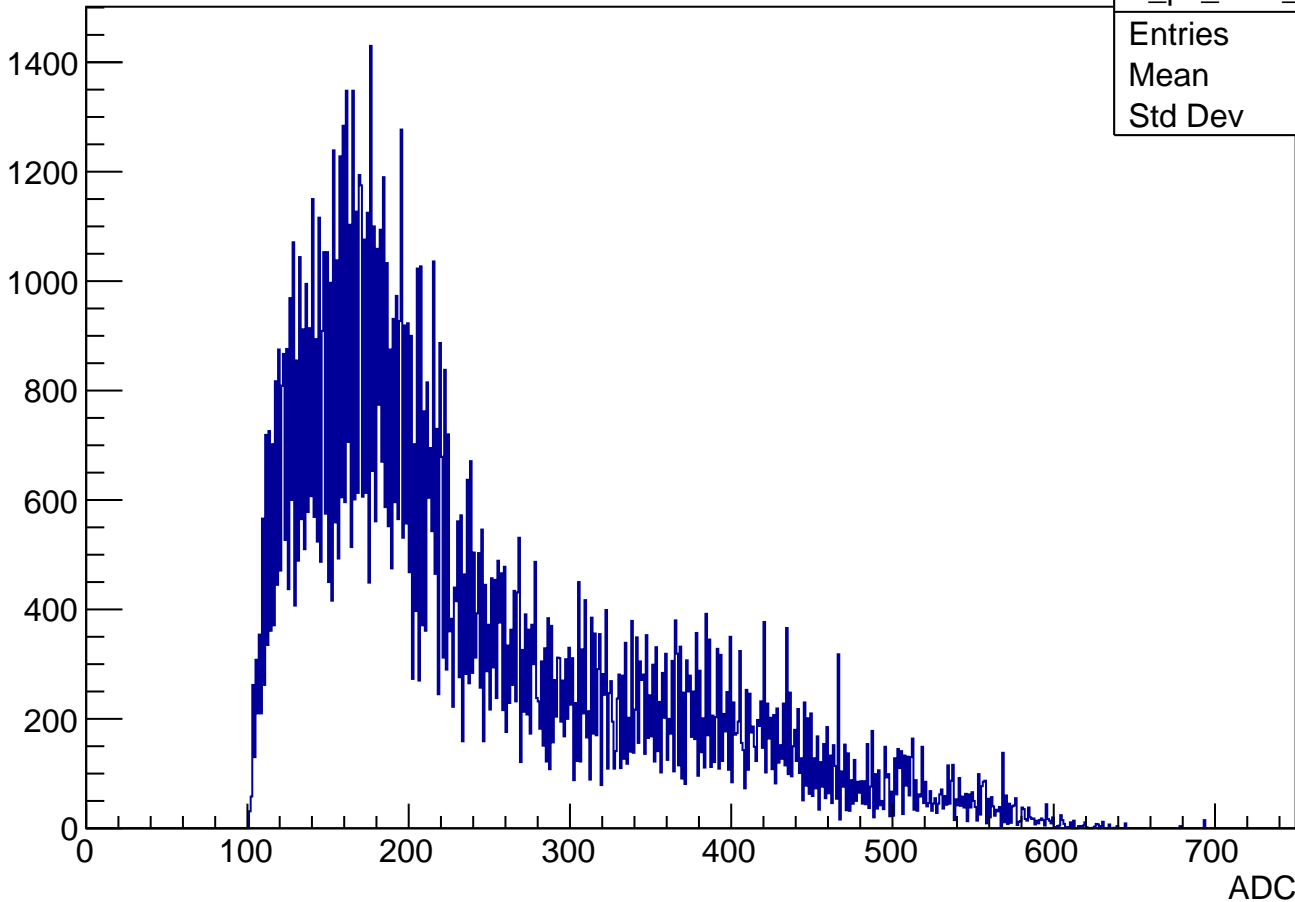


APV22 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500





Entries



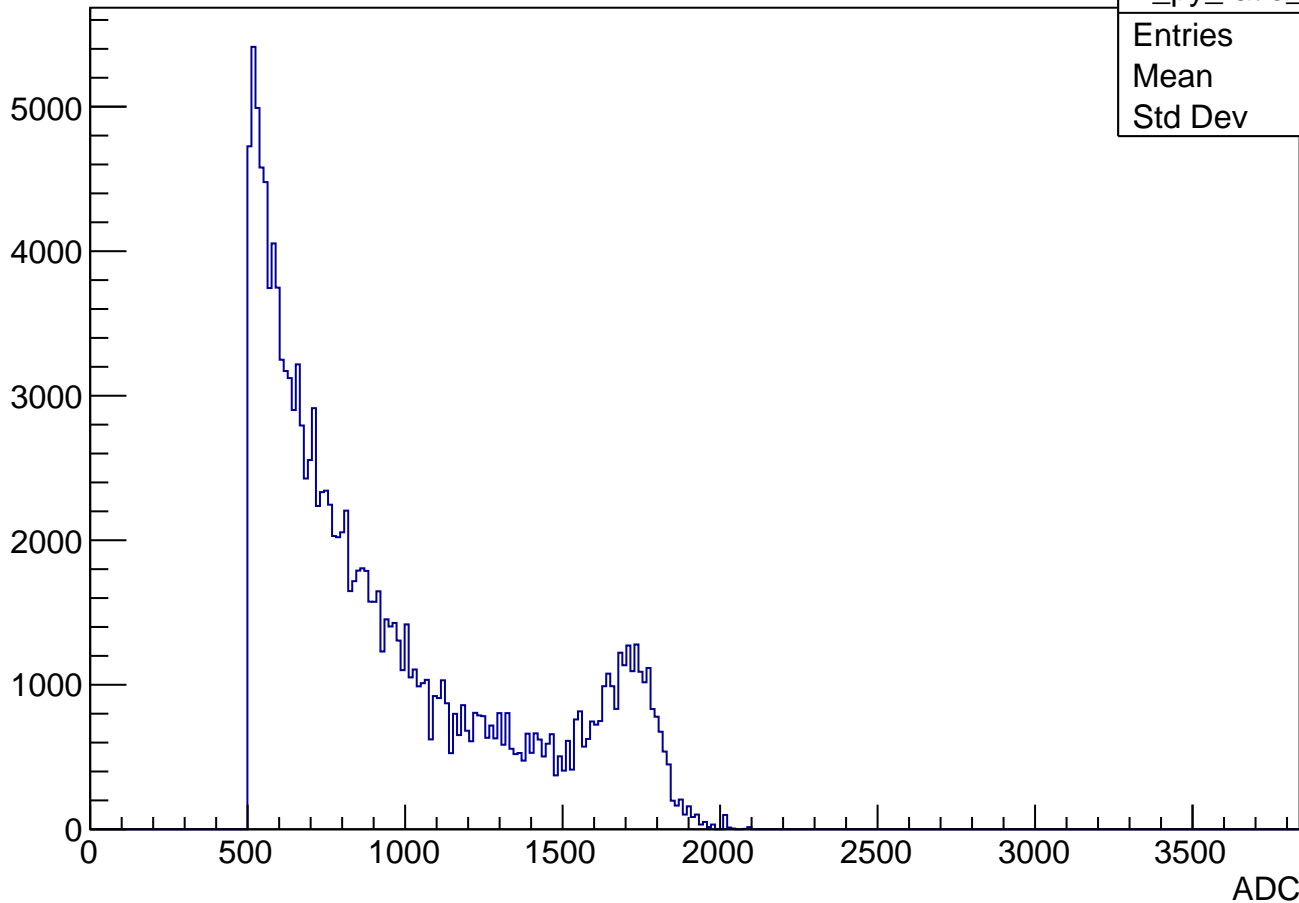
h_px_ratio_mean4

Entries 153944

Mean 242.8

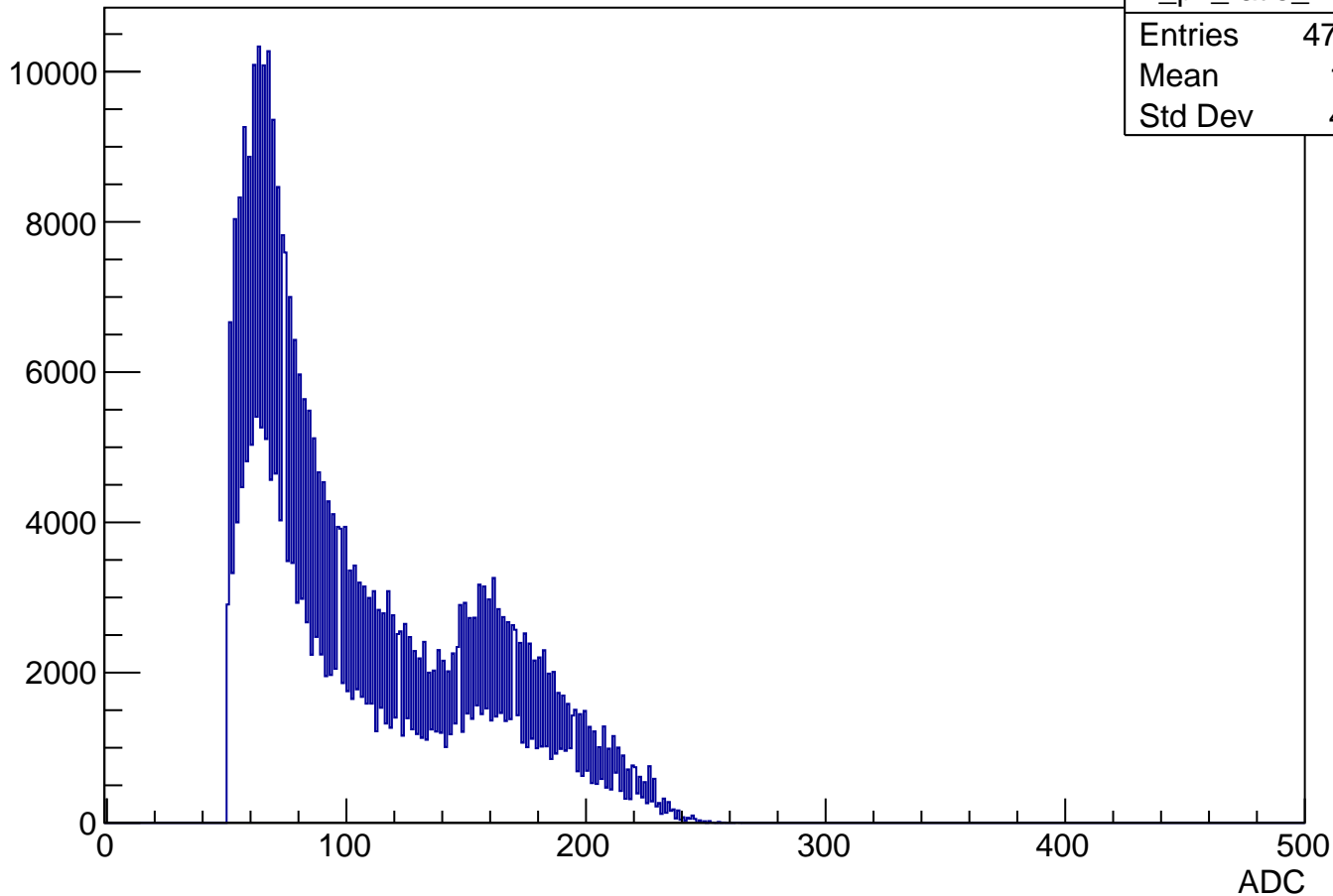
Std Dev 110.9

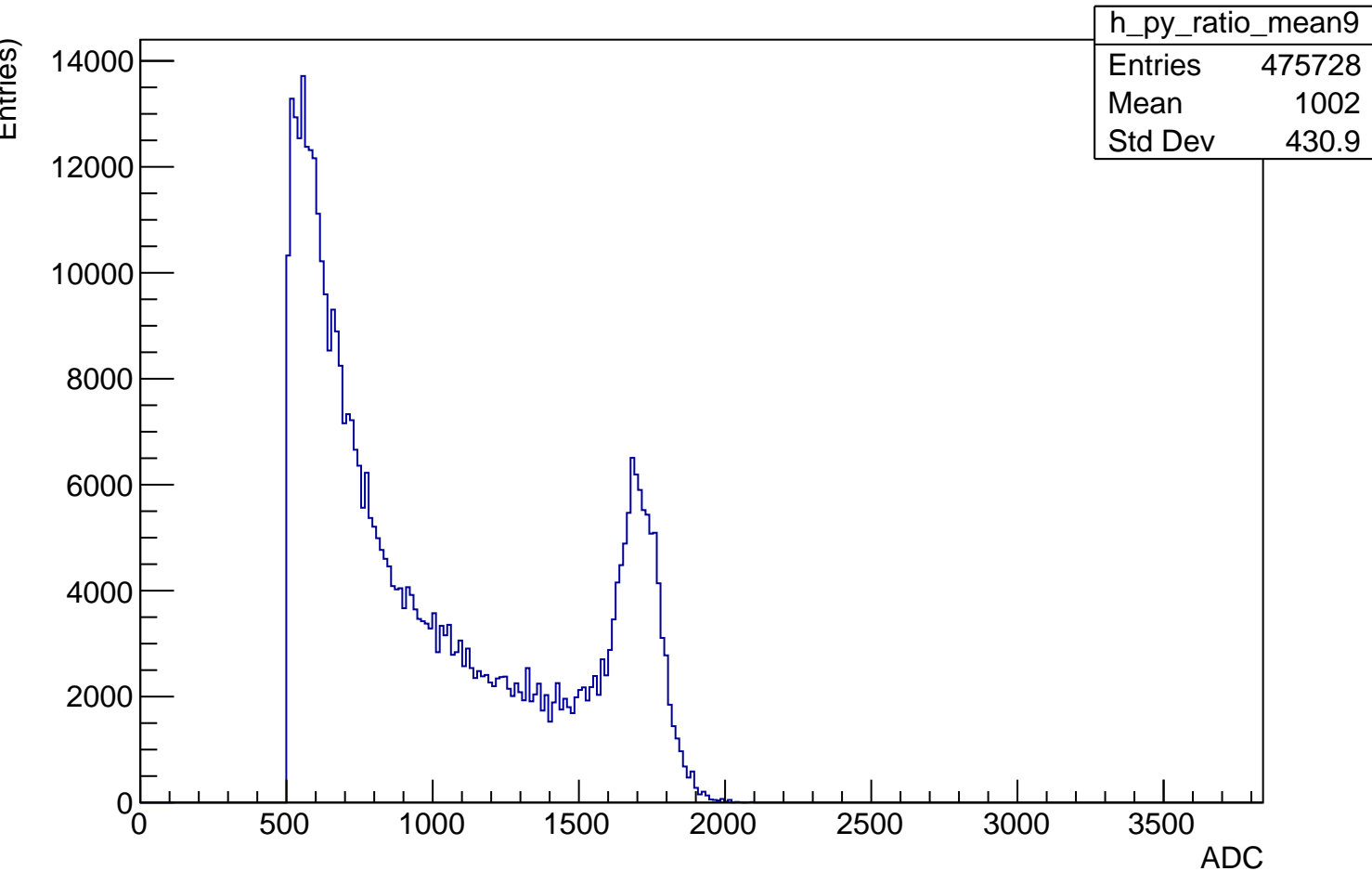
Entries



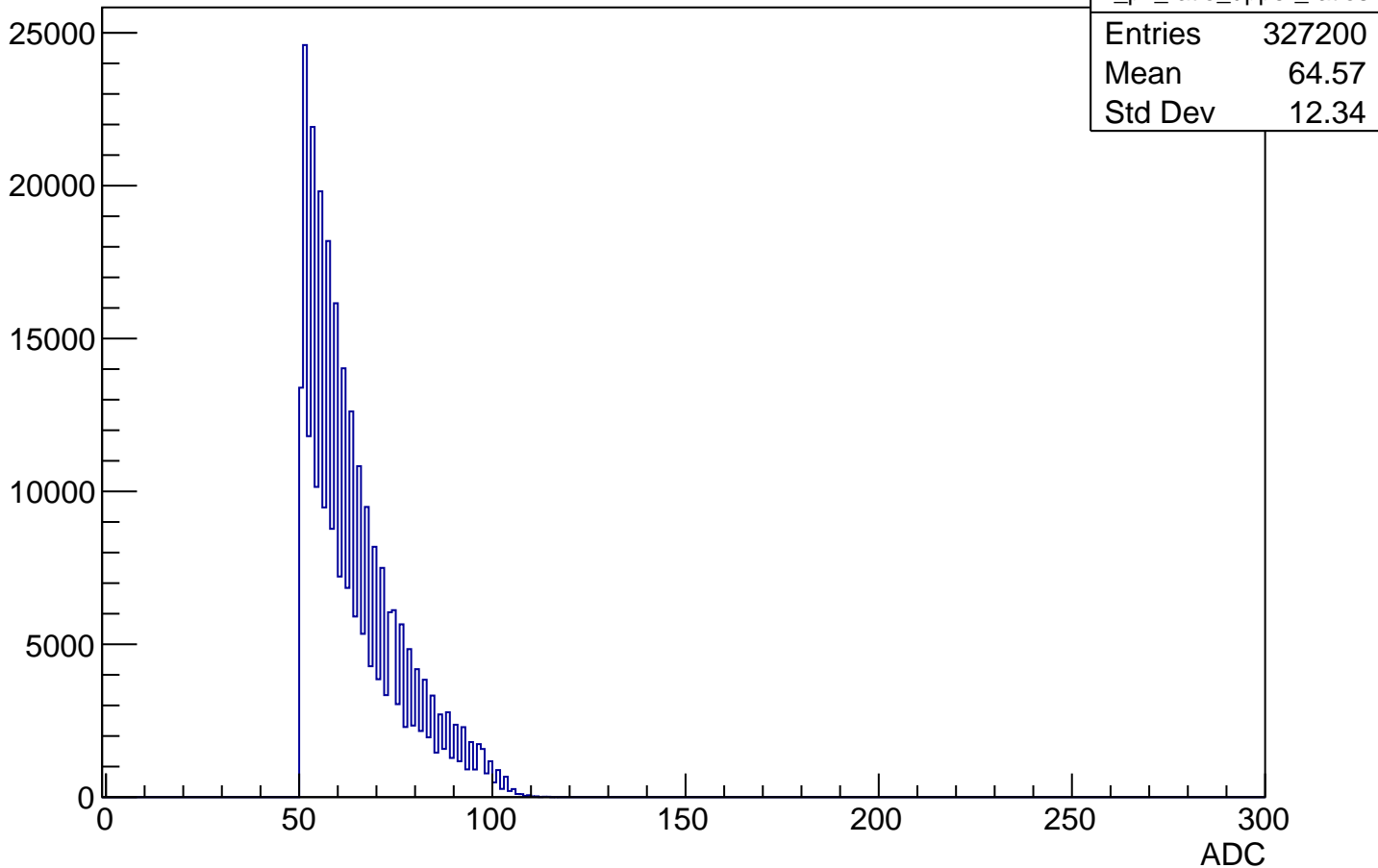
ADC

Entries)

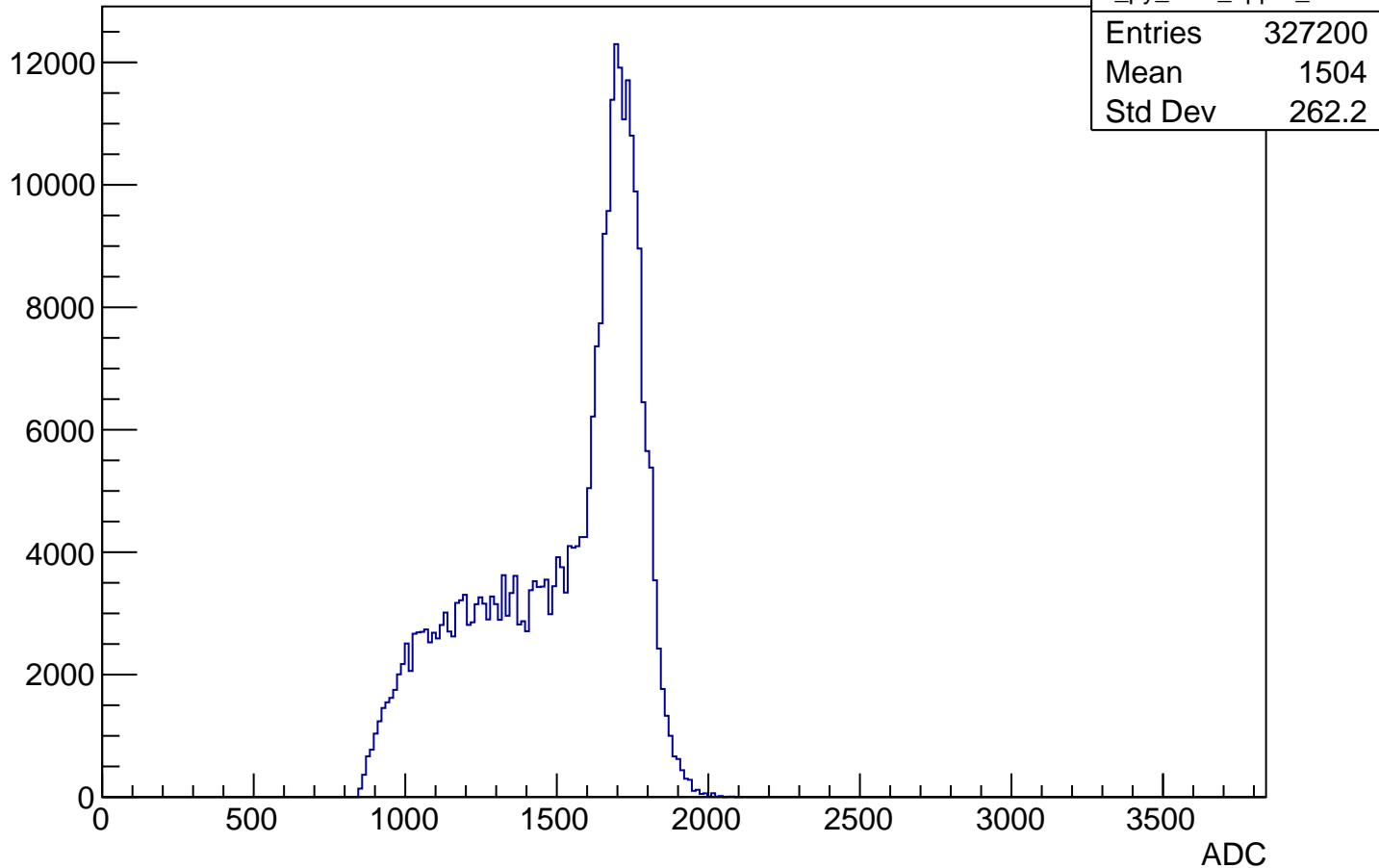




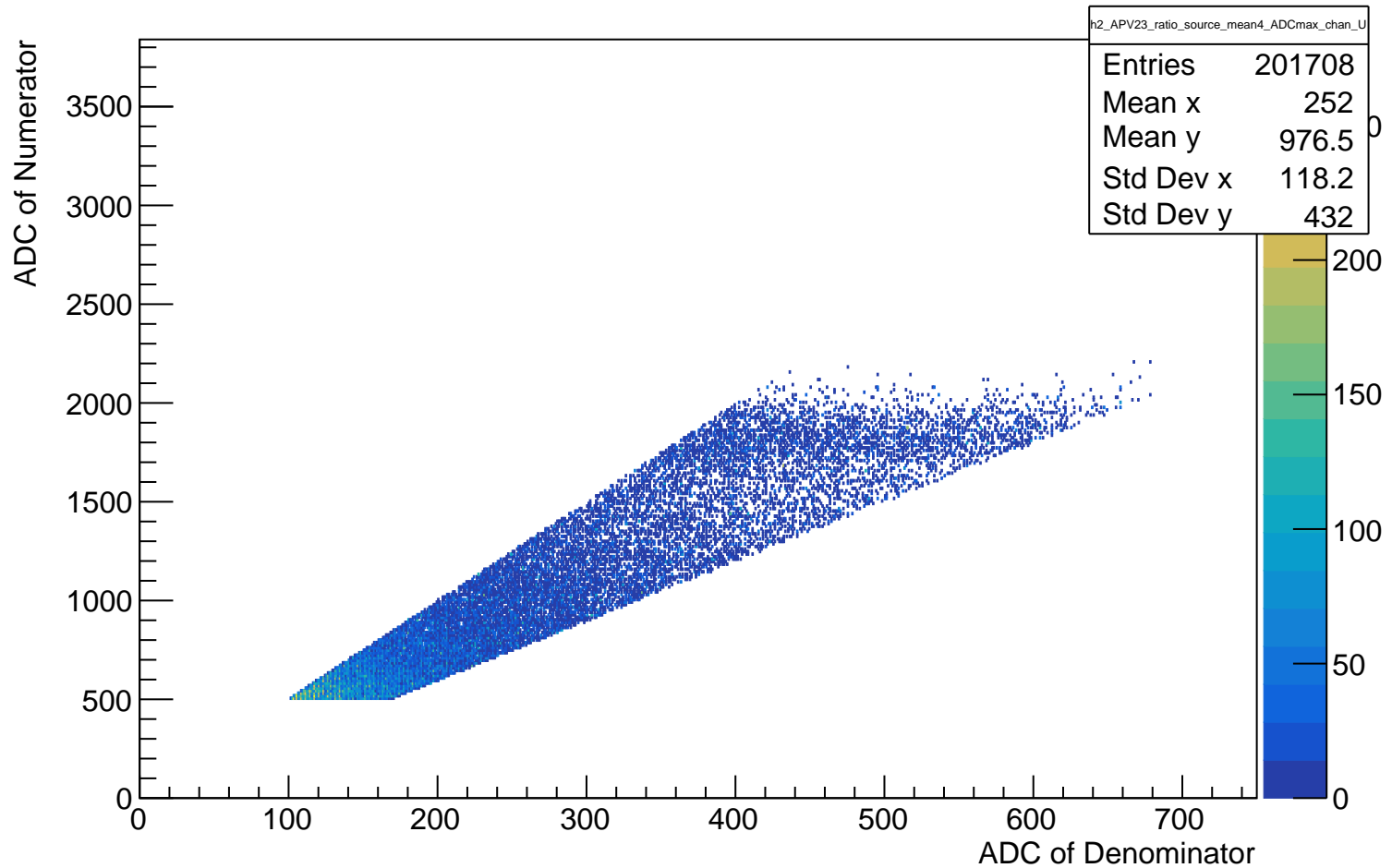
Entries



Entries

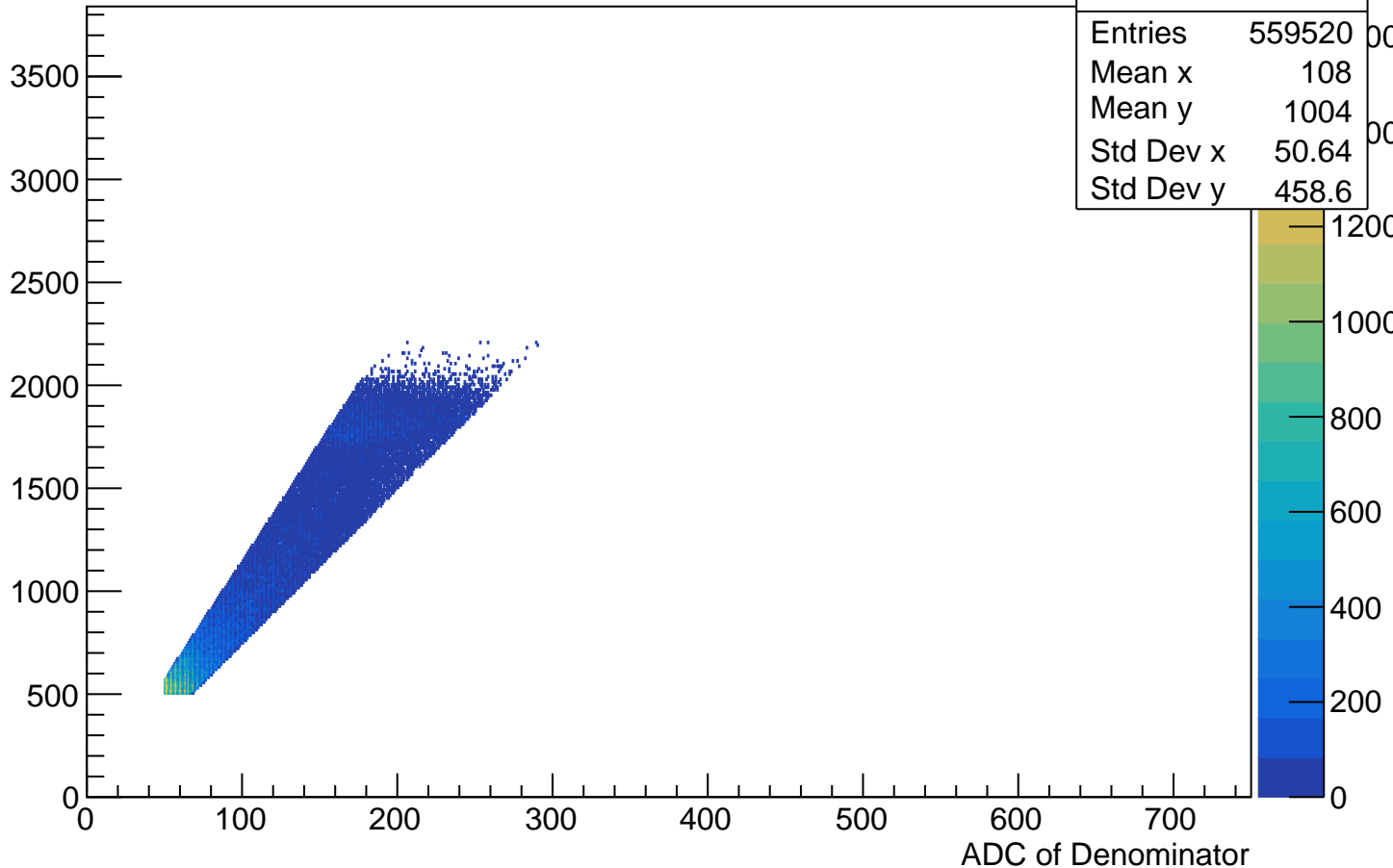


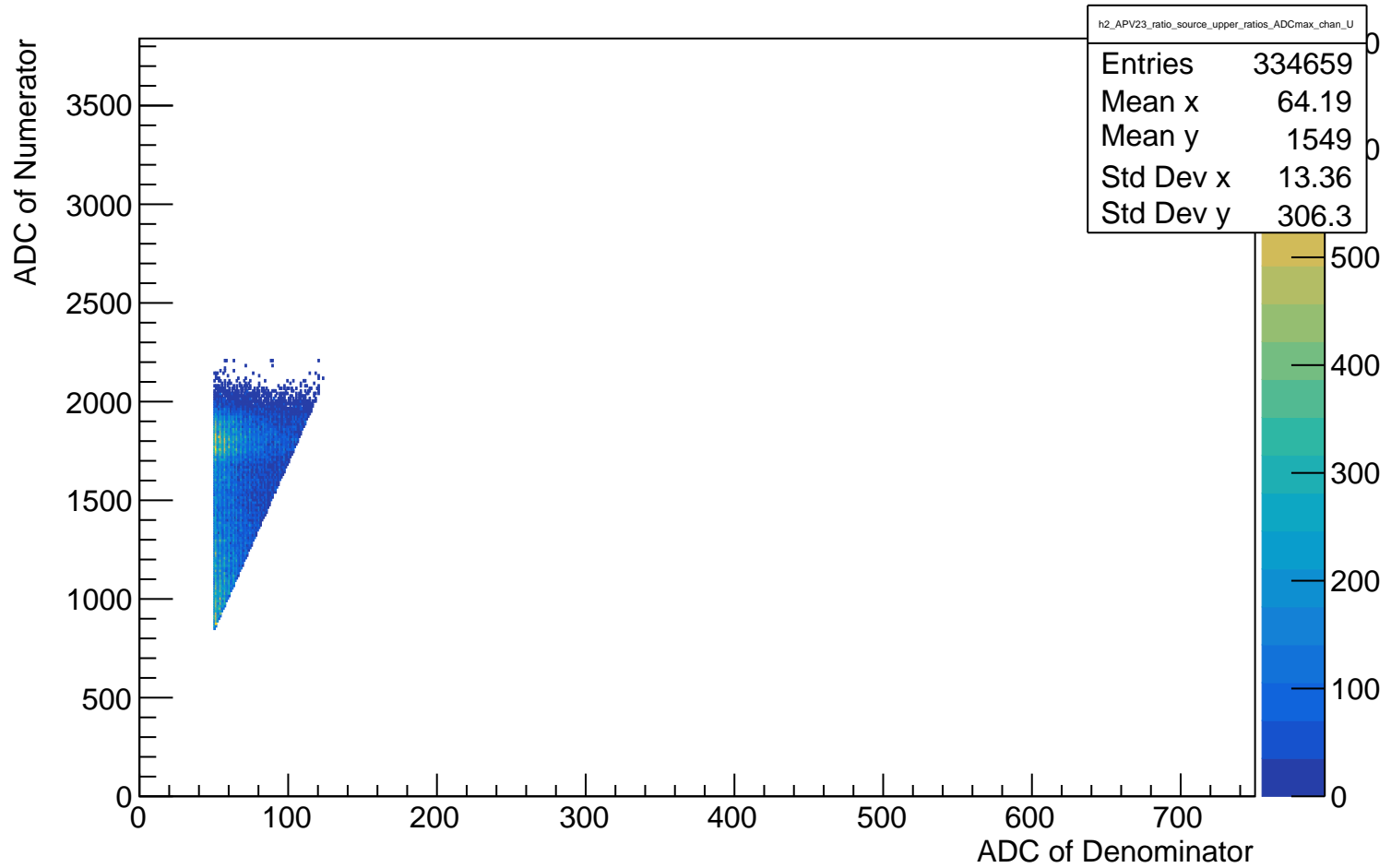
APV23 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



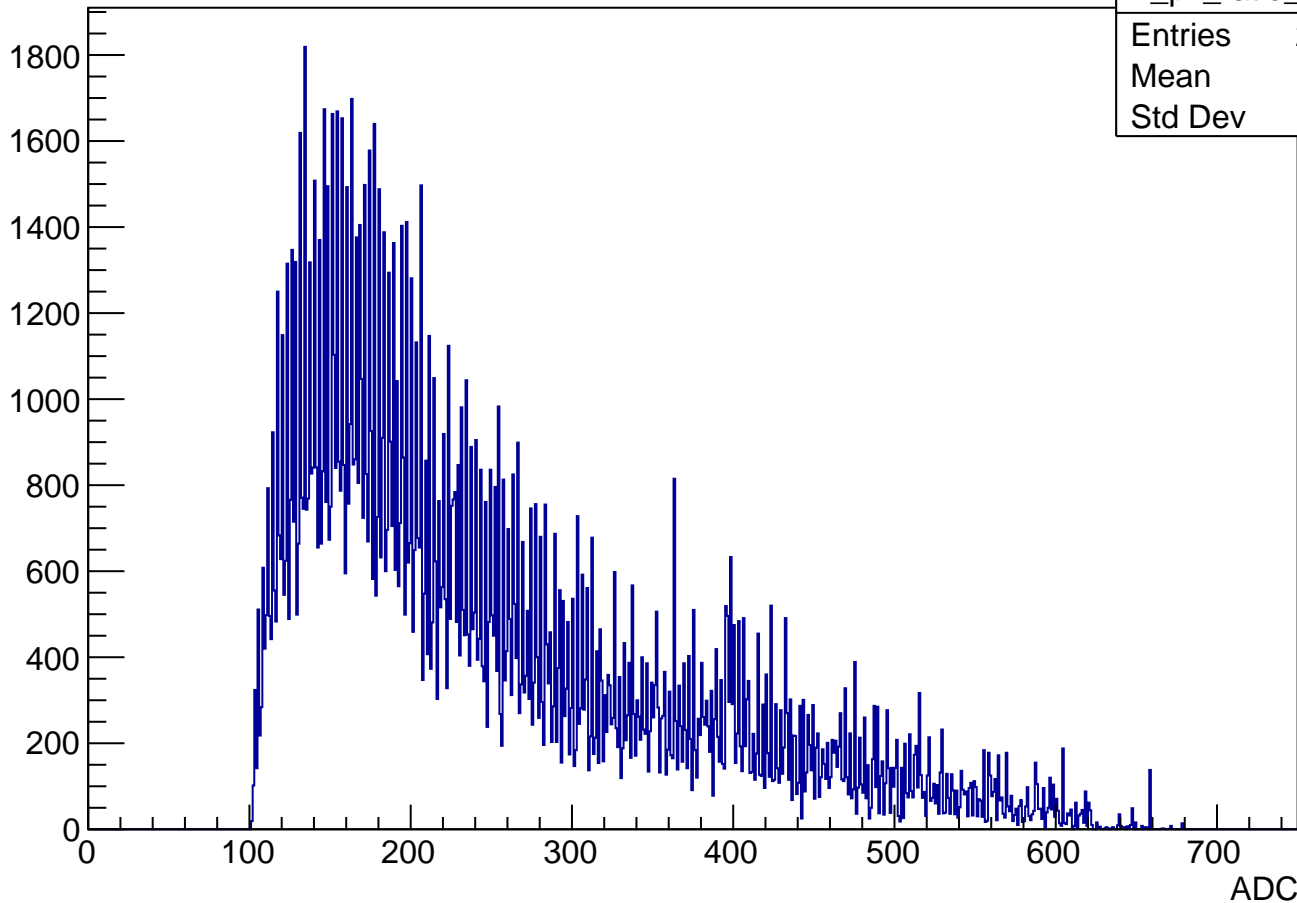
APV23 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500

ADC of Numerator





Entries



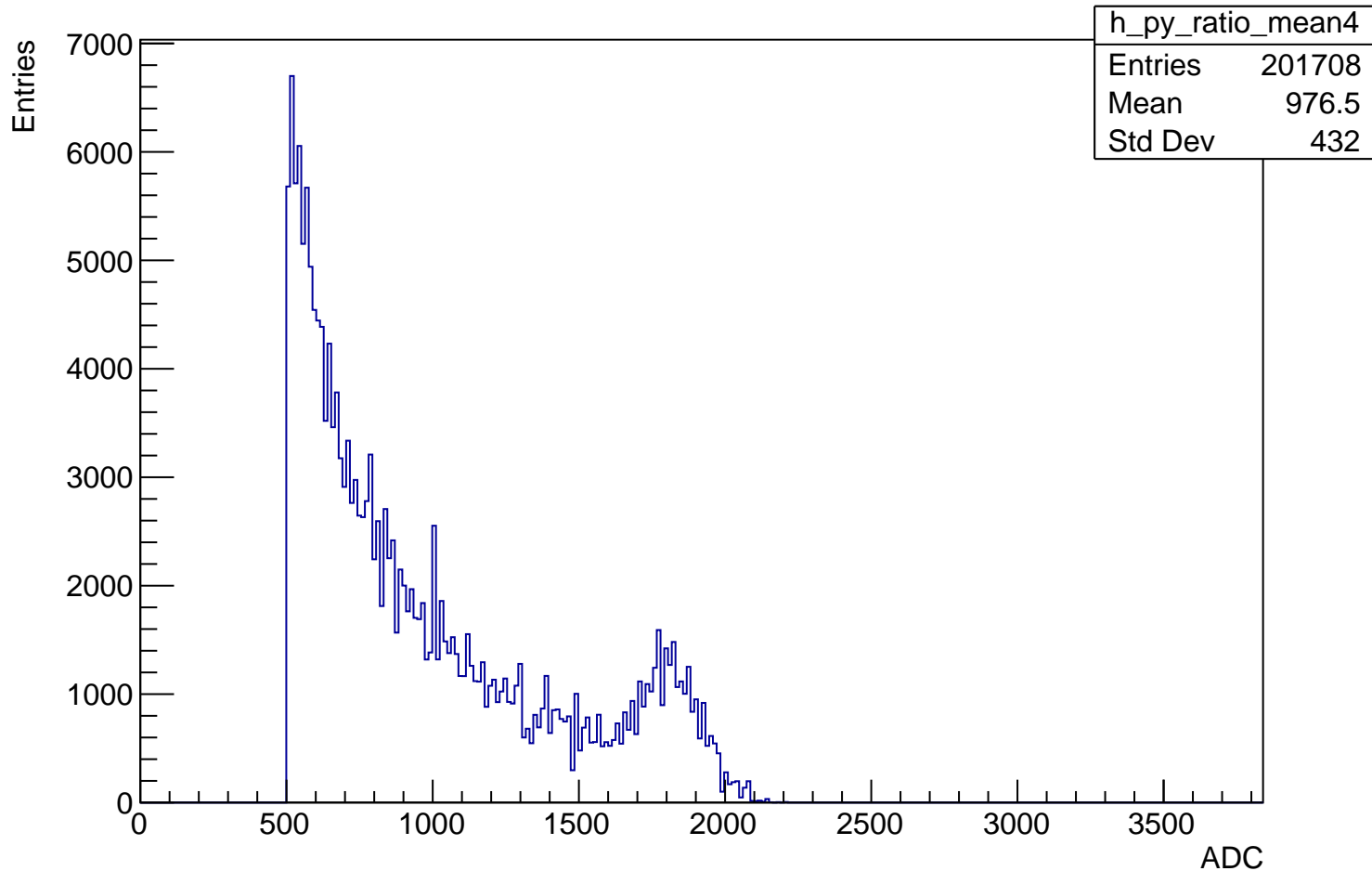
h_px_ratio_mean4

Entries 201708

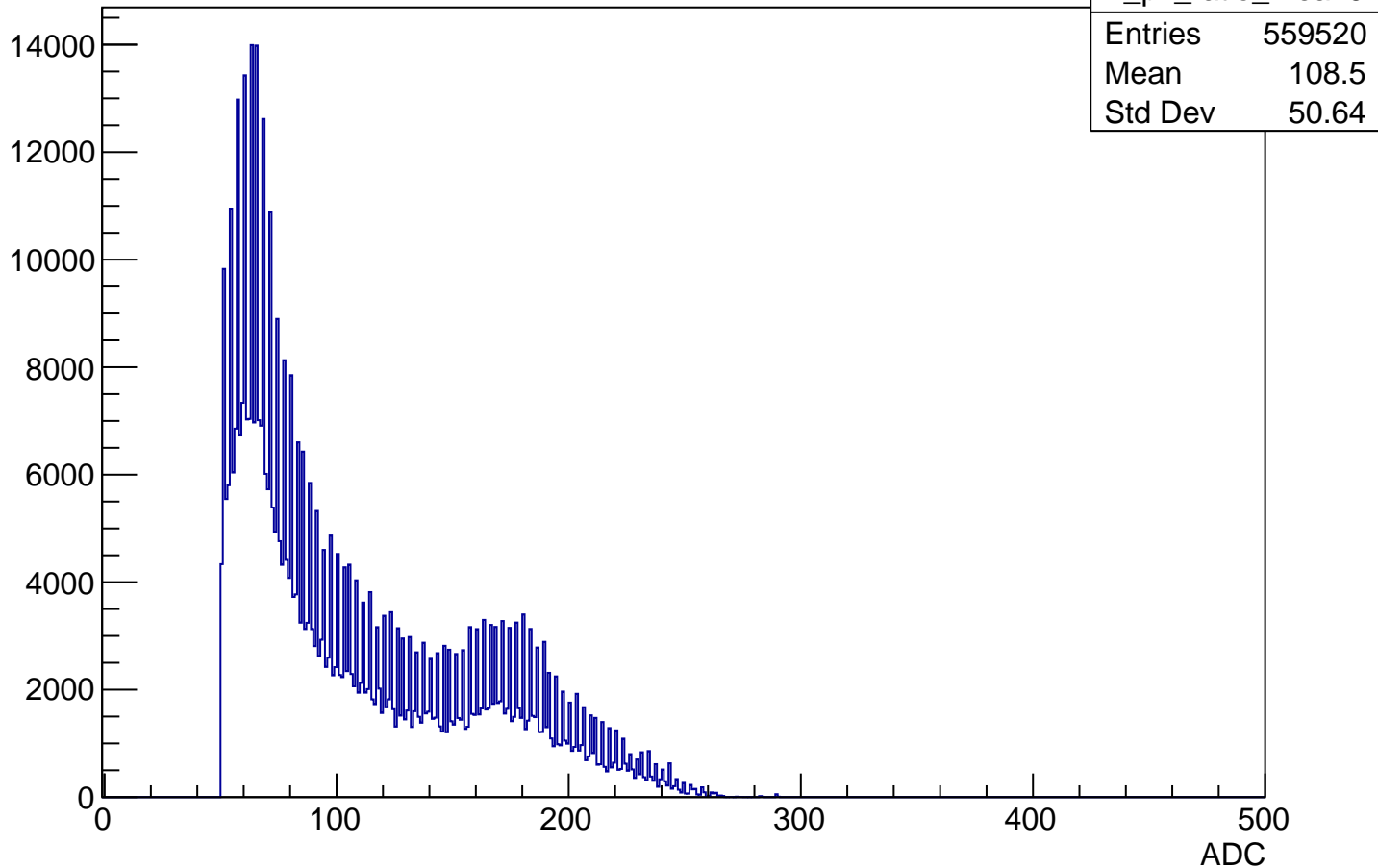
Mean 252

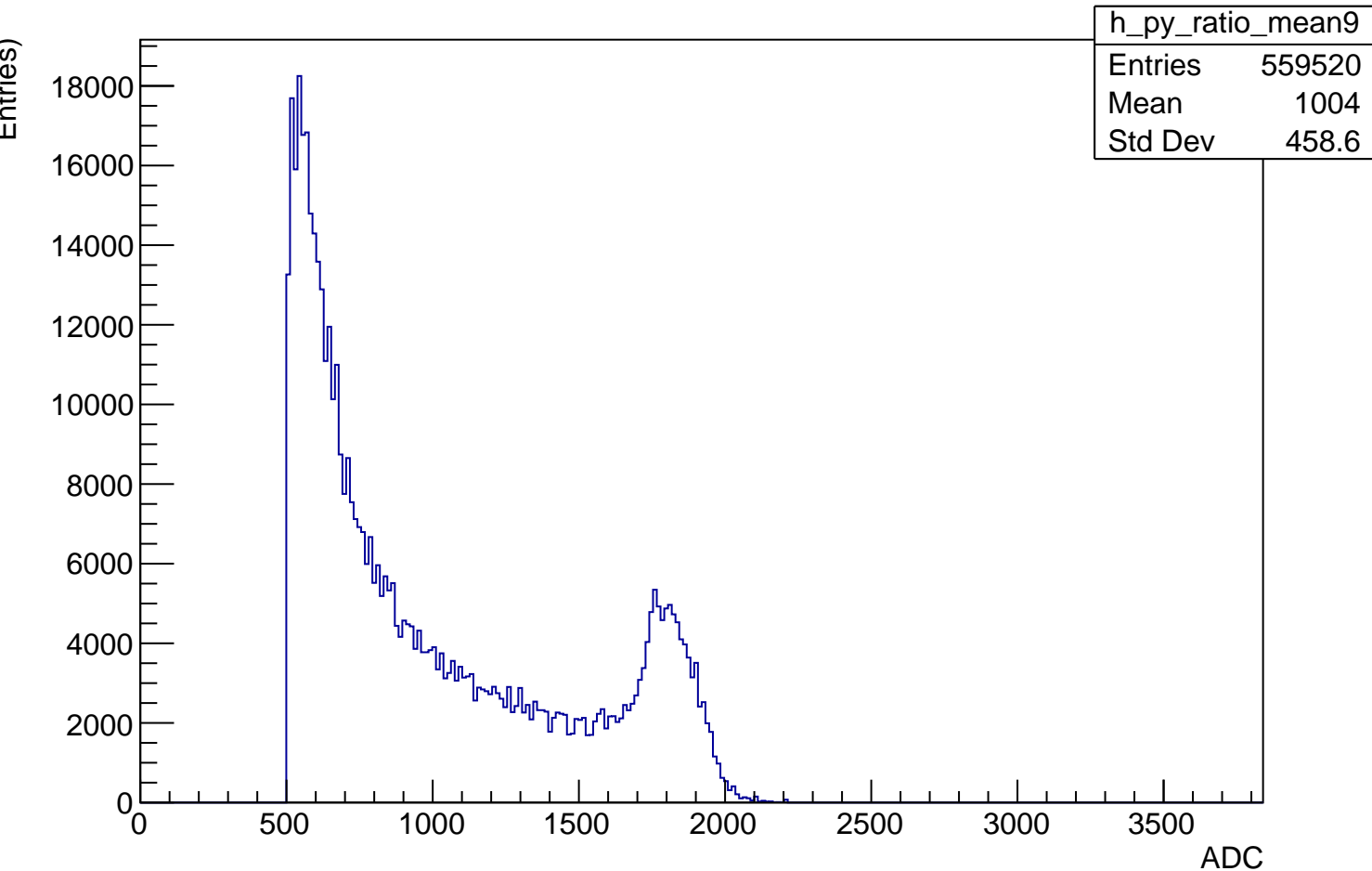
Std Dev 118.2

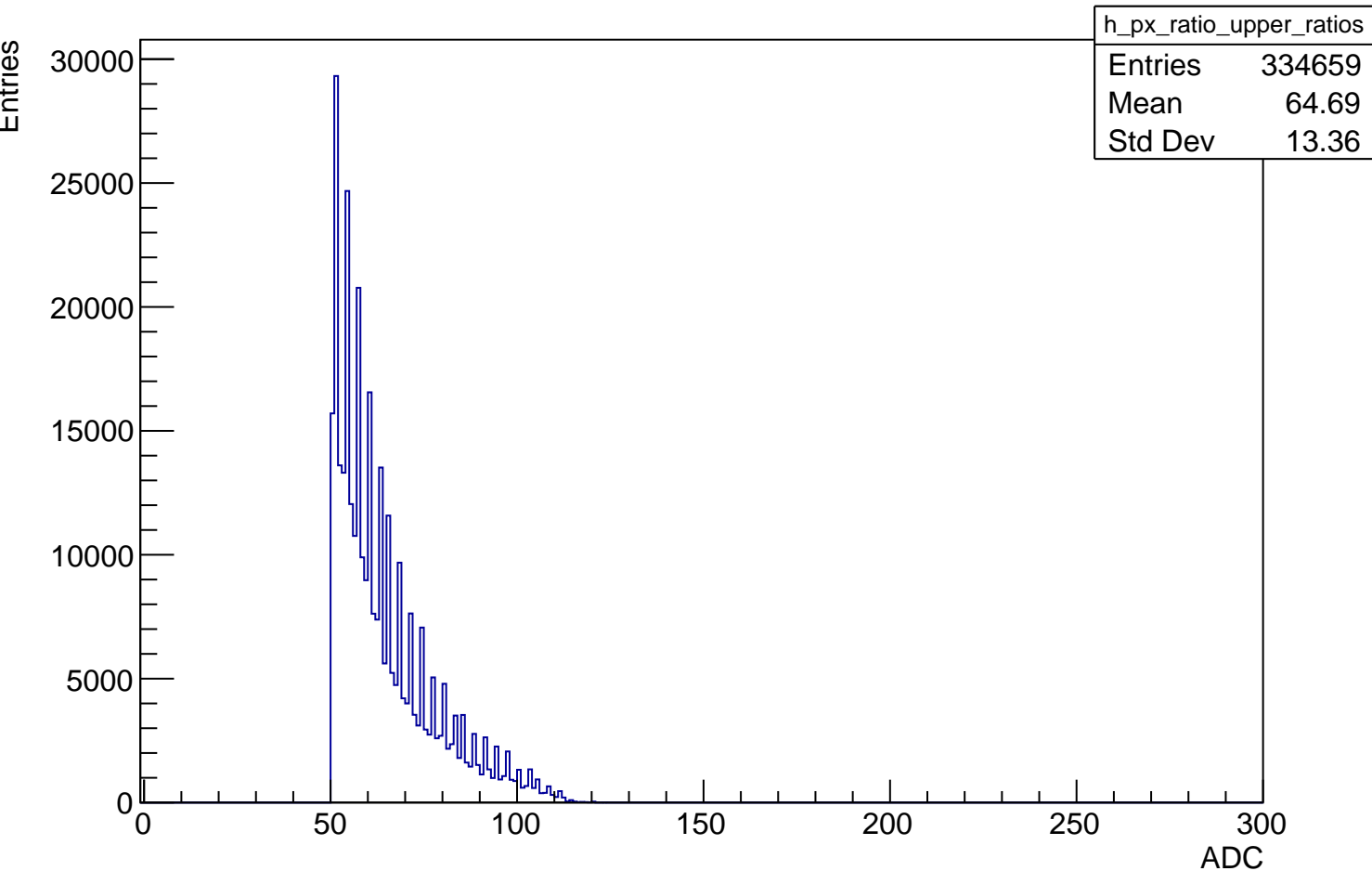
ADC



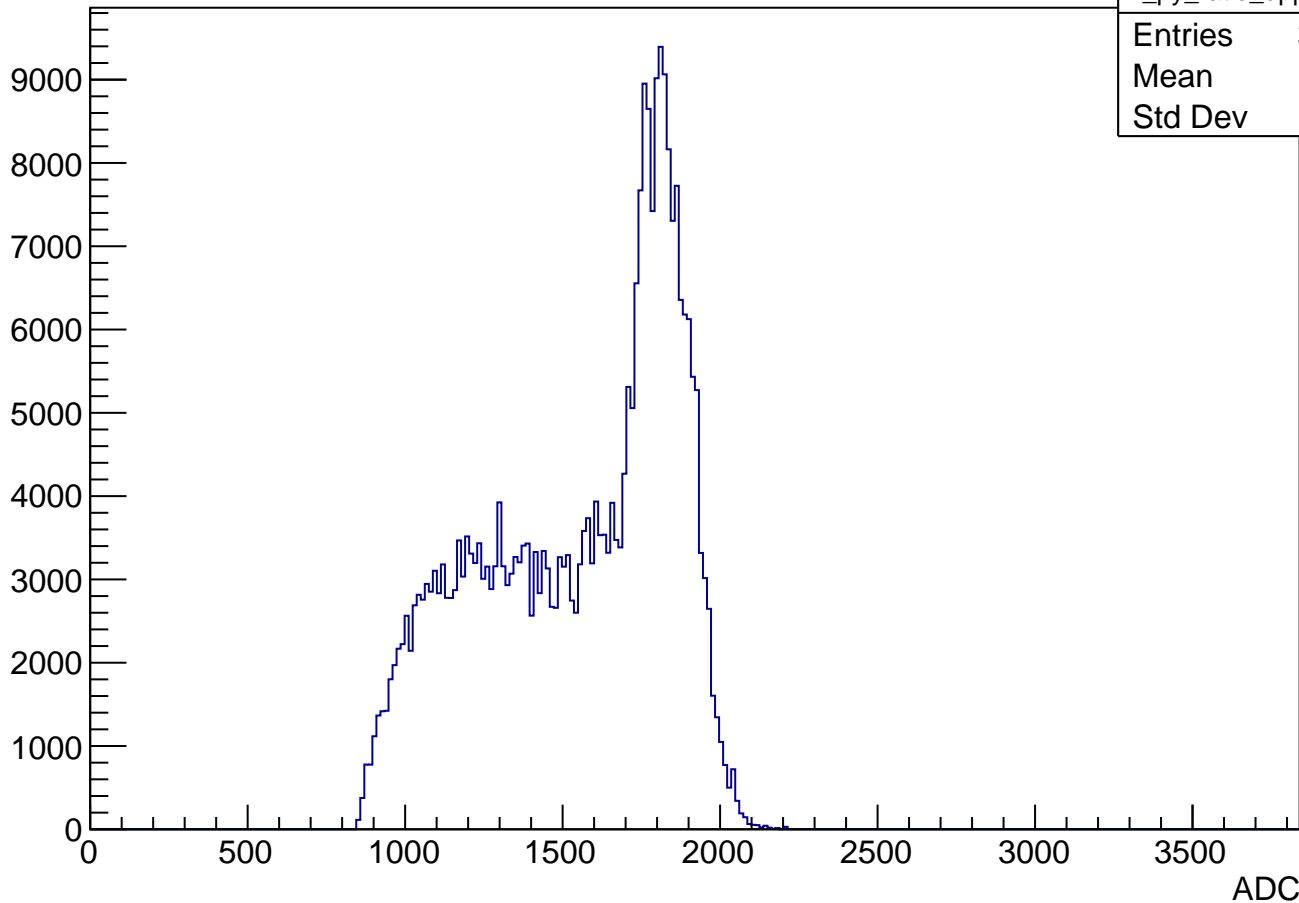
Entries)







Entries



h_py_ratio_upper_ratios

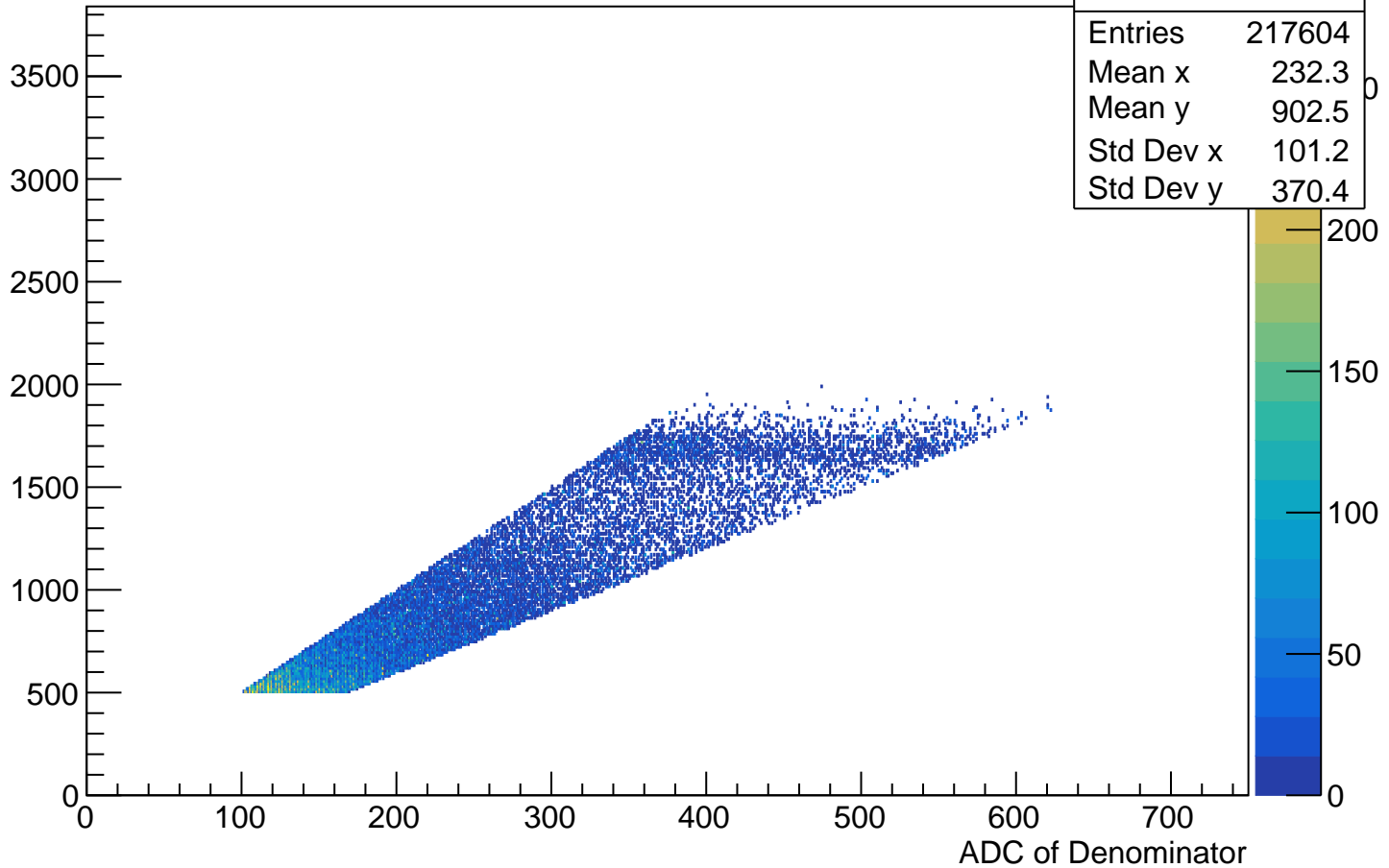
Entries 334659

Mean 1549

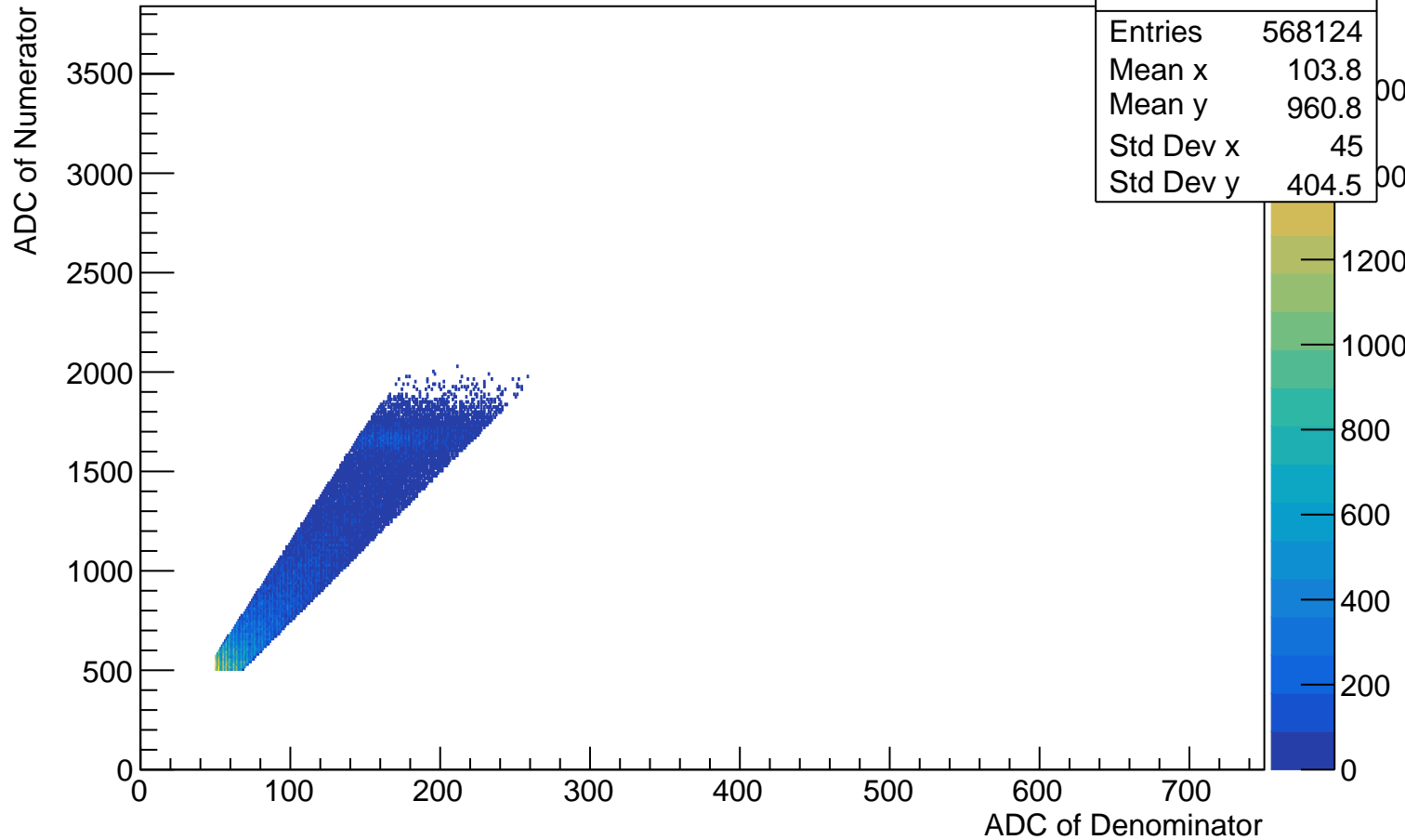
Std Dev 306.3

APV24 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

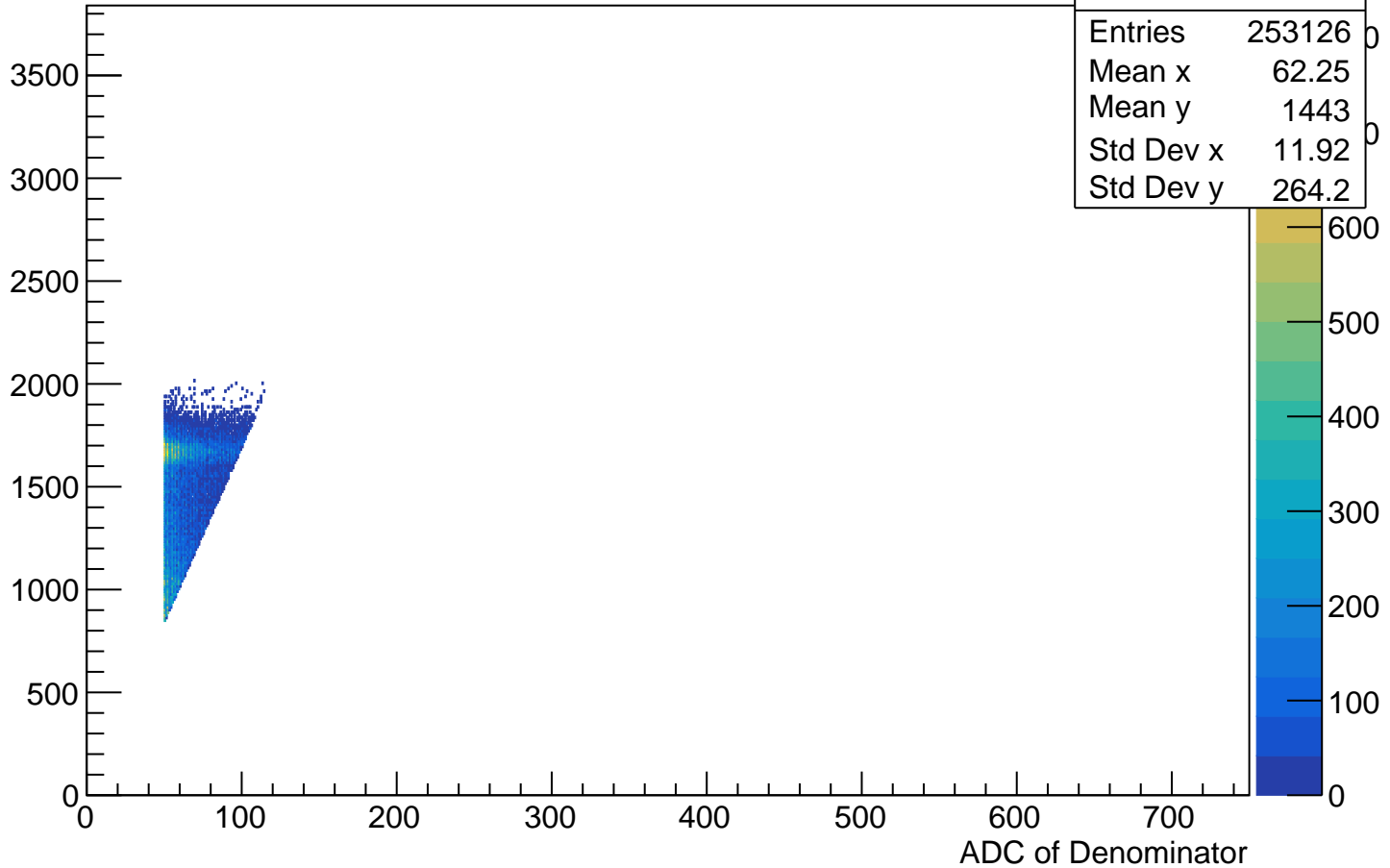
ADC of Numerator



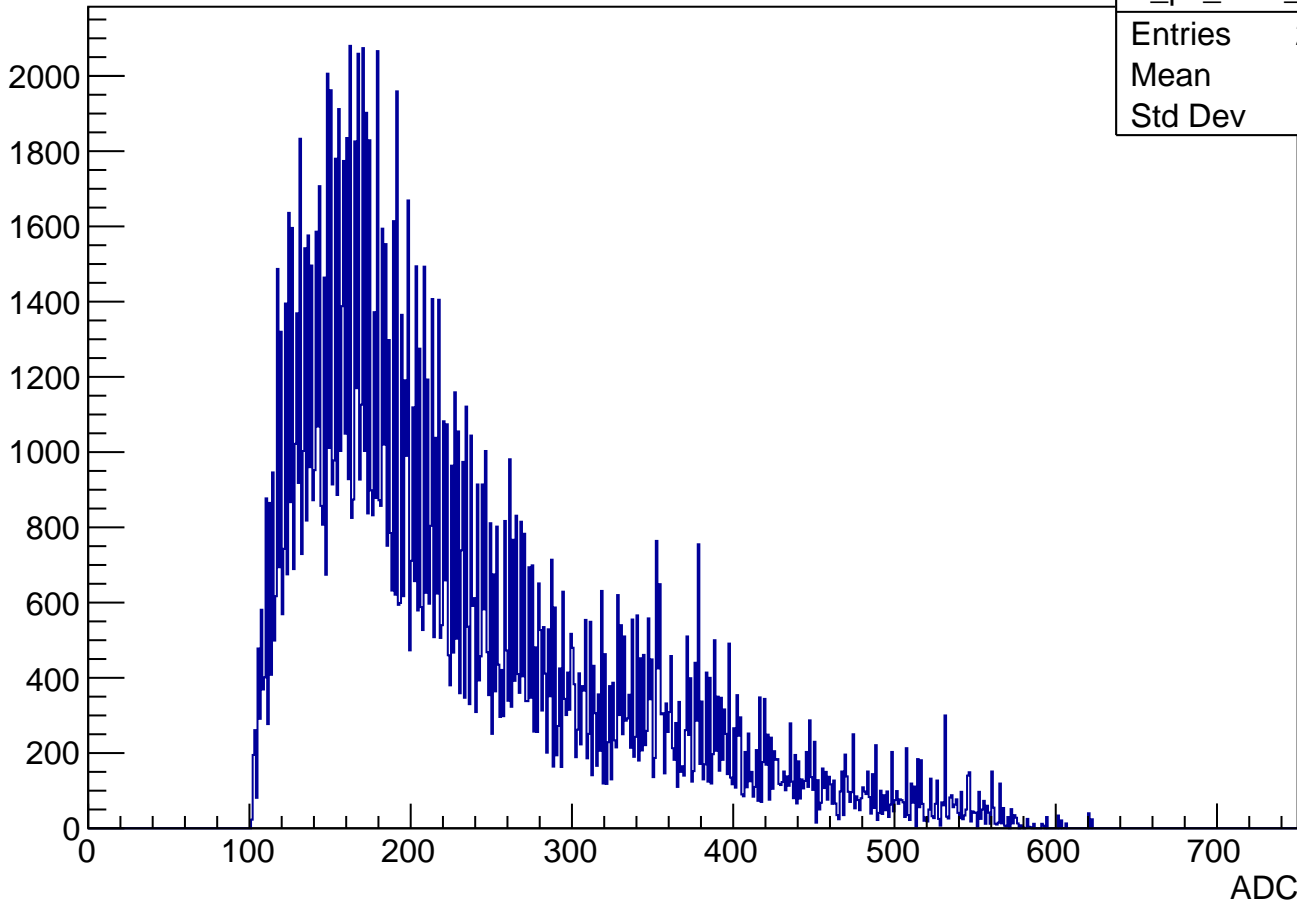
APV24 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



ADC of Numerator



Entries



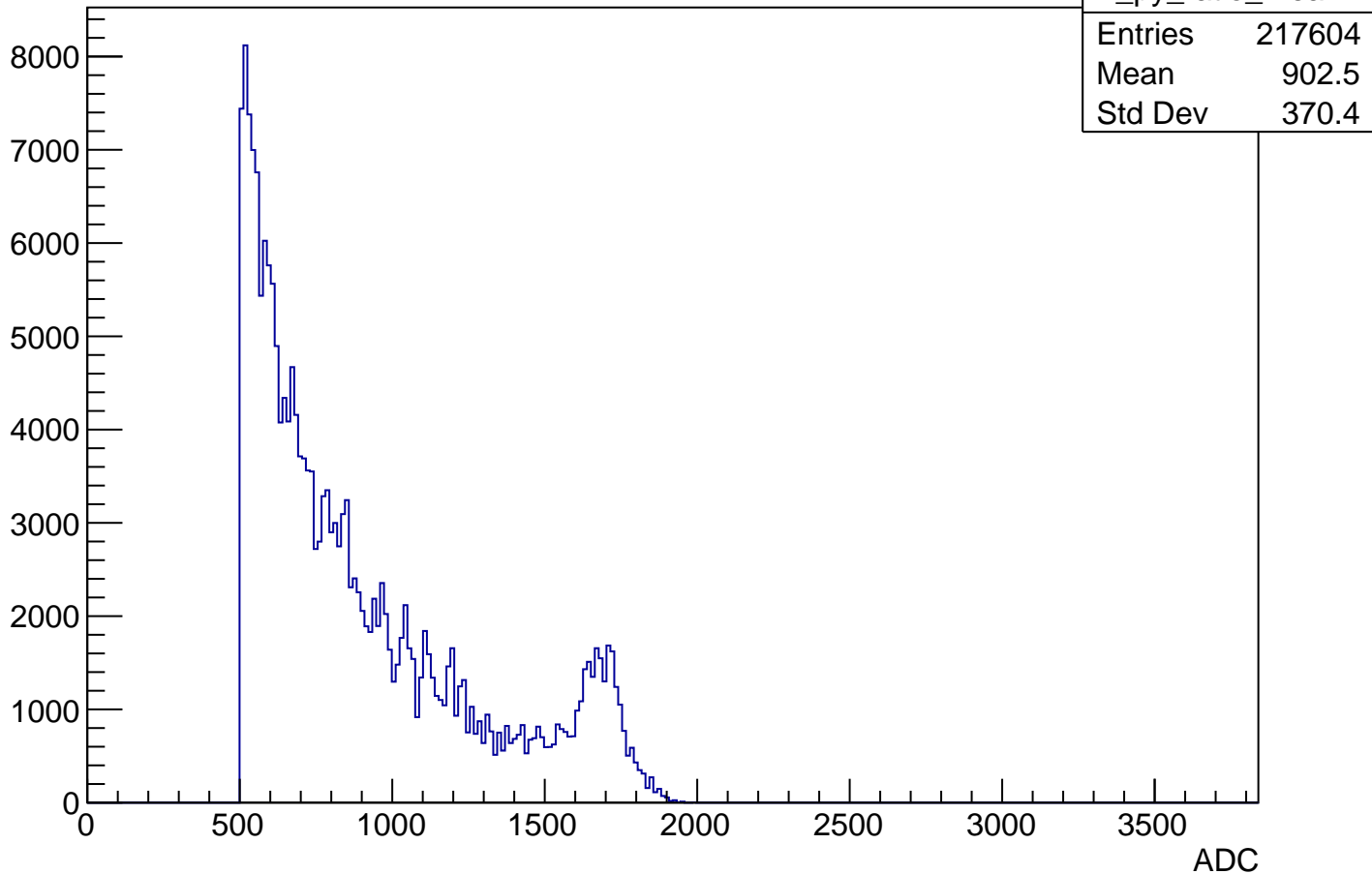
h_px_ratio_mean4

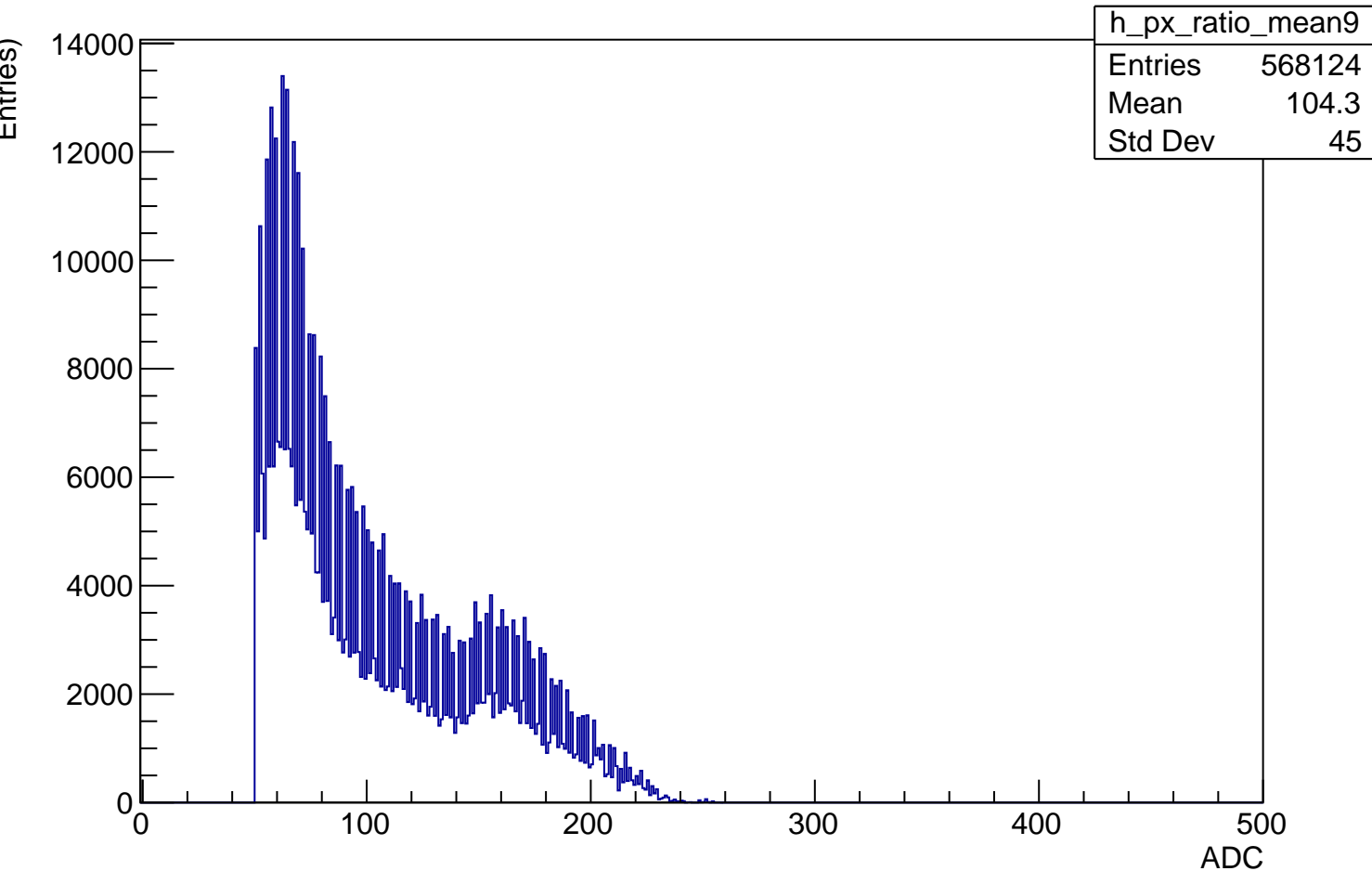
Entries 217604

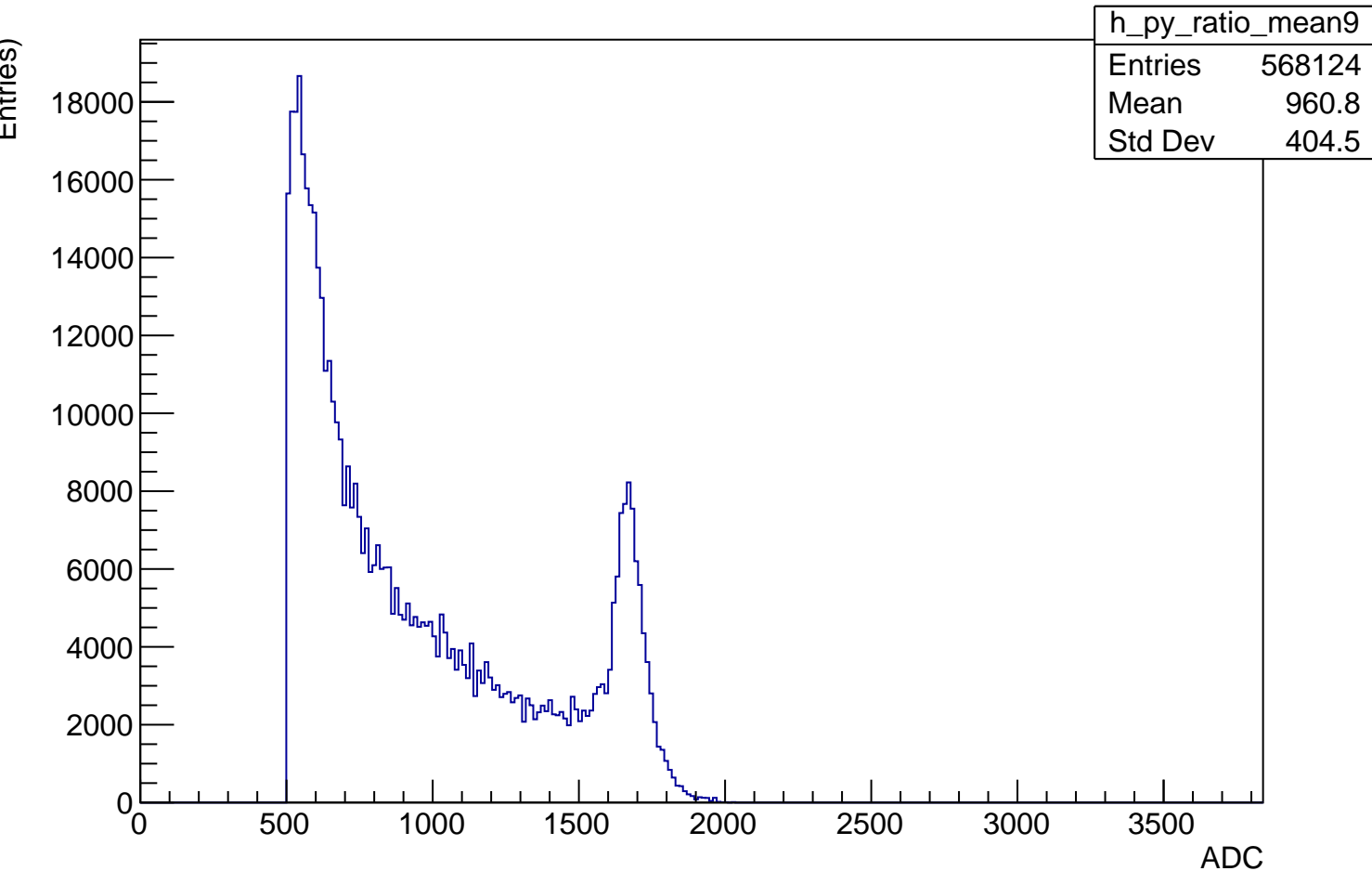
Mean 232.3

Std Dev 101.2

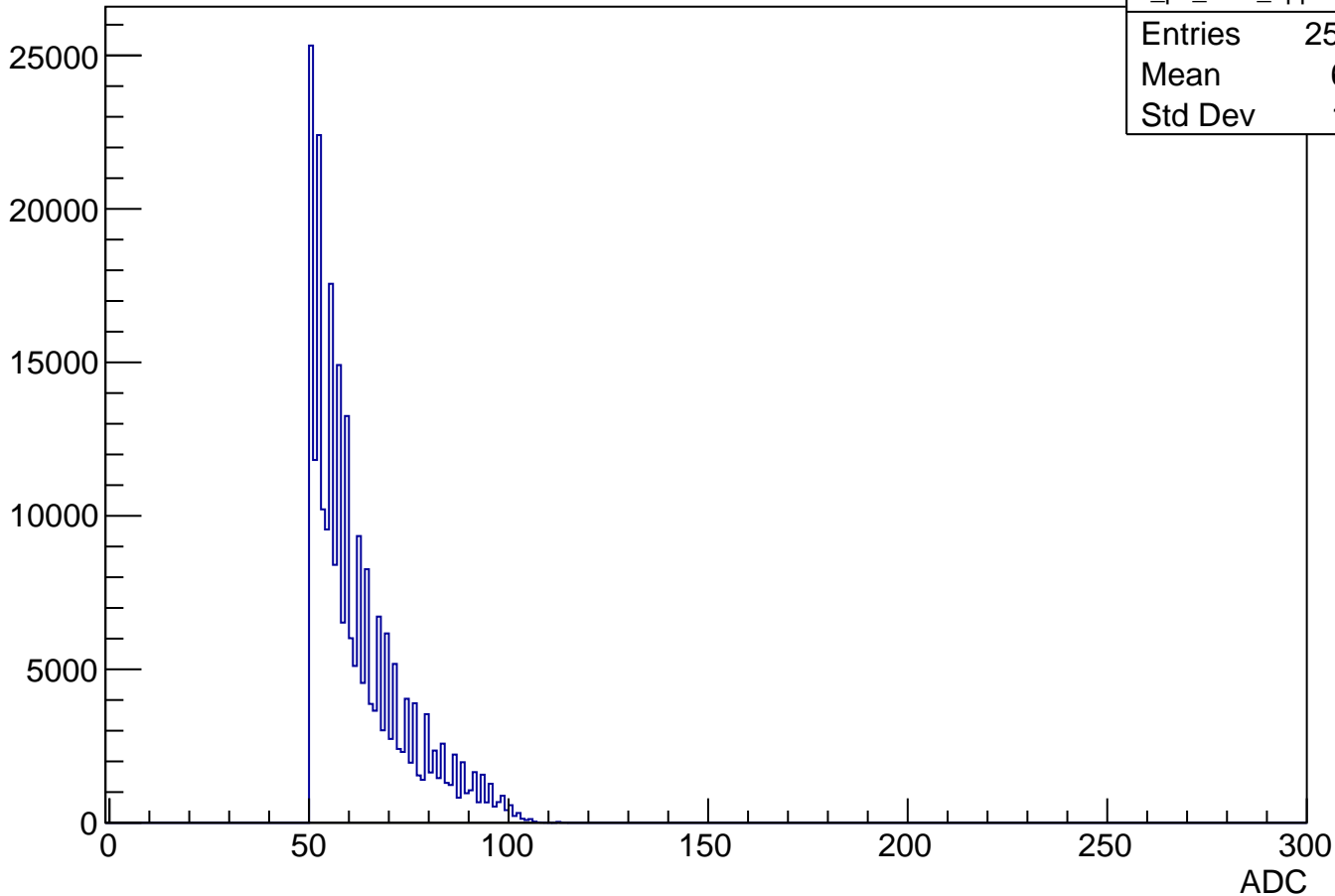
Entries







Entries



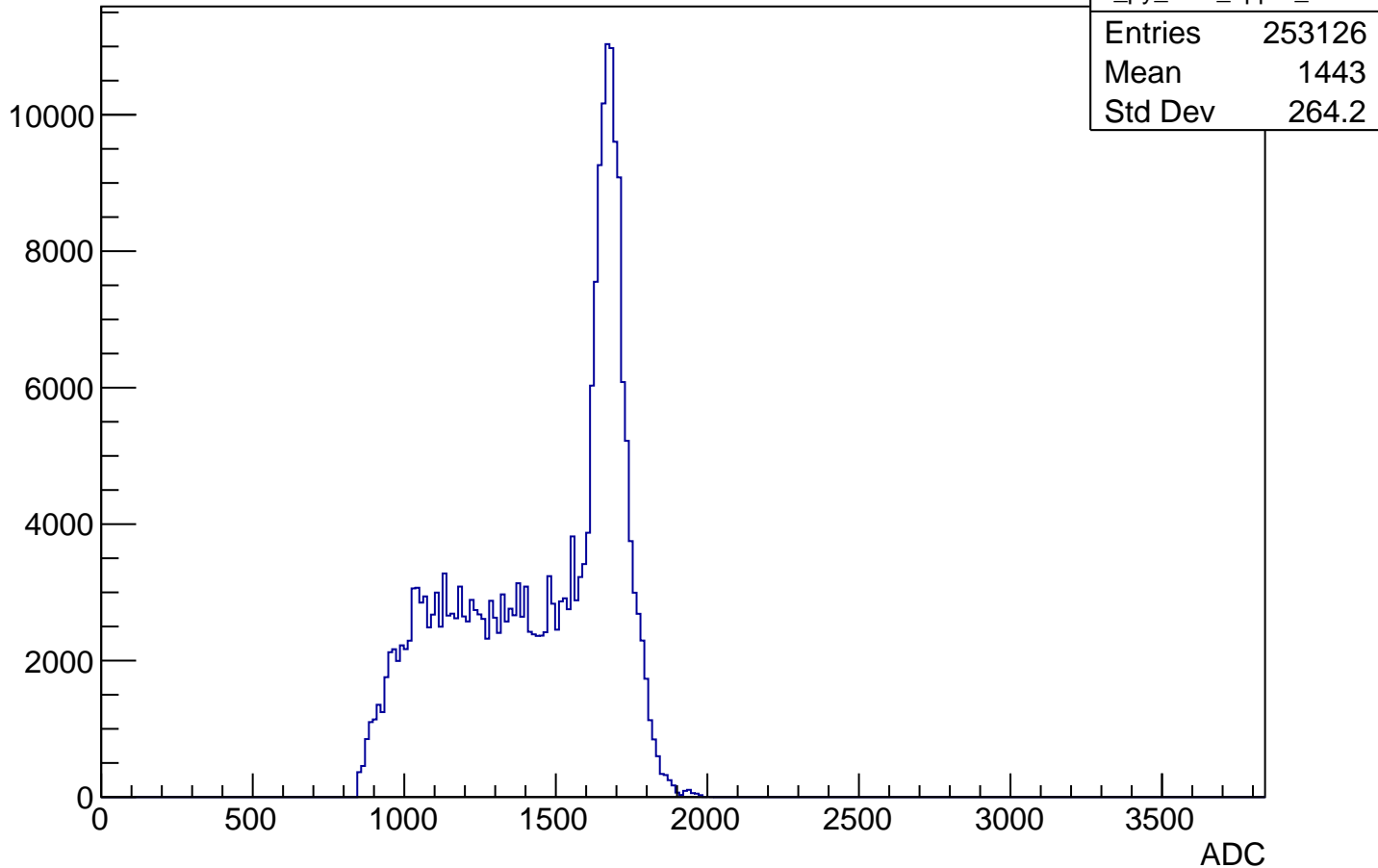
h_px_ratio_upper_ratios

Entries 253126

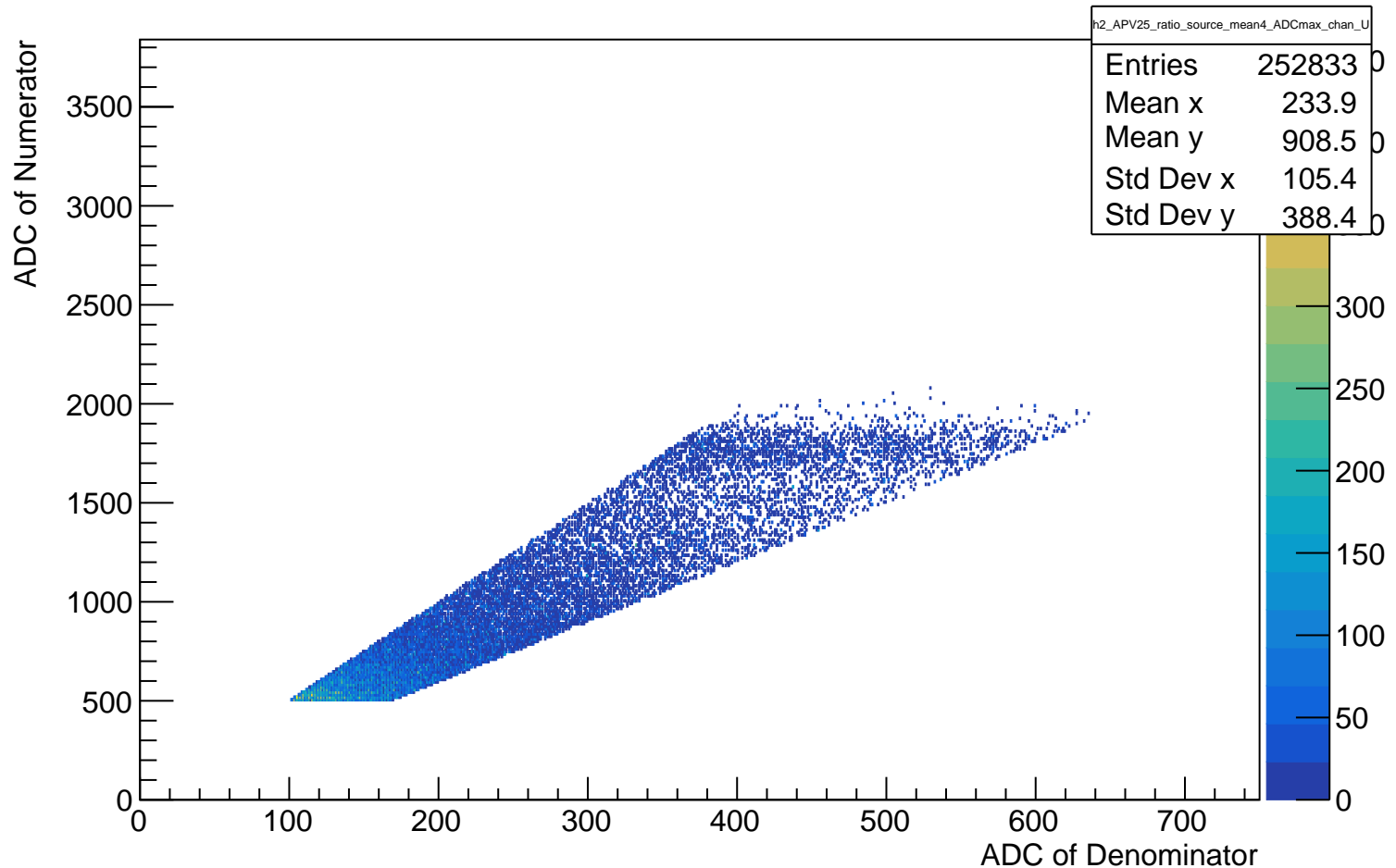
Mean 62.75

Std Dev 11.92

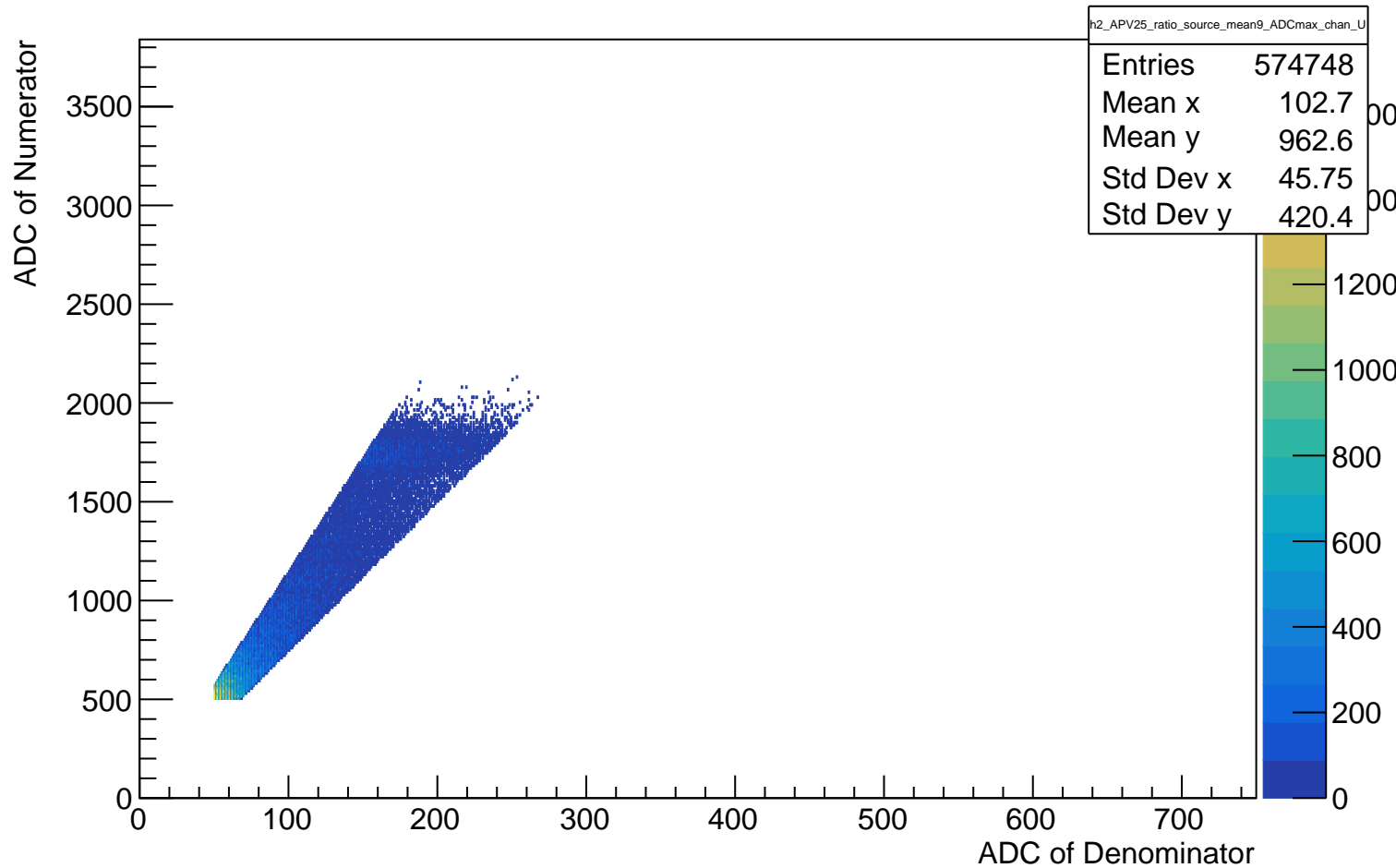
Entries



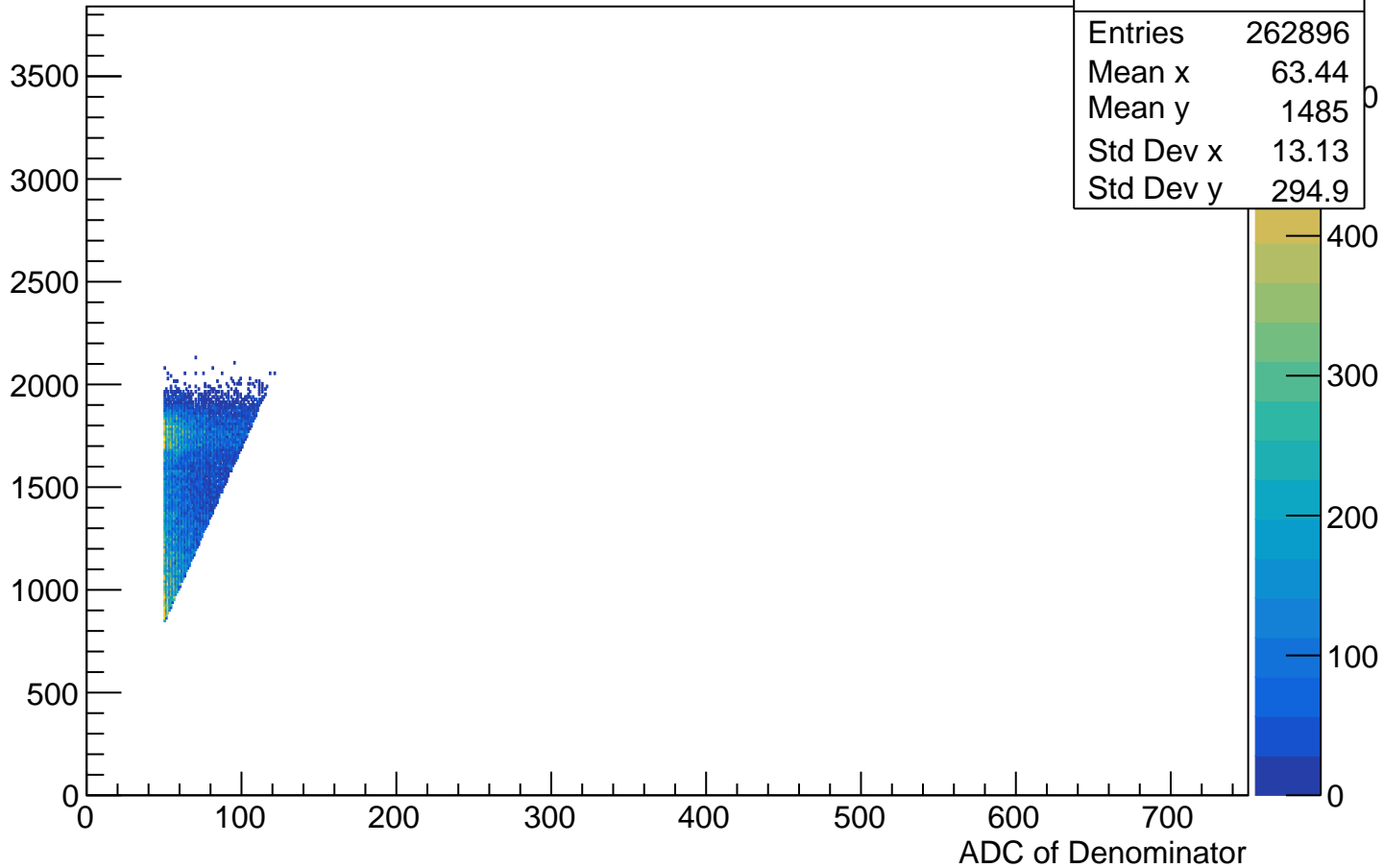
APV25 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500



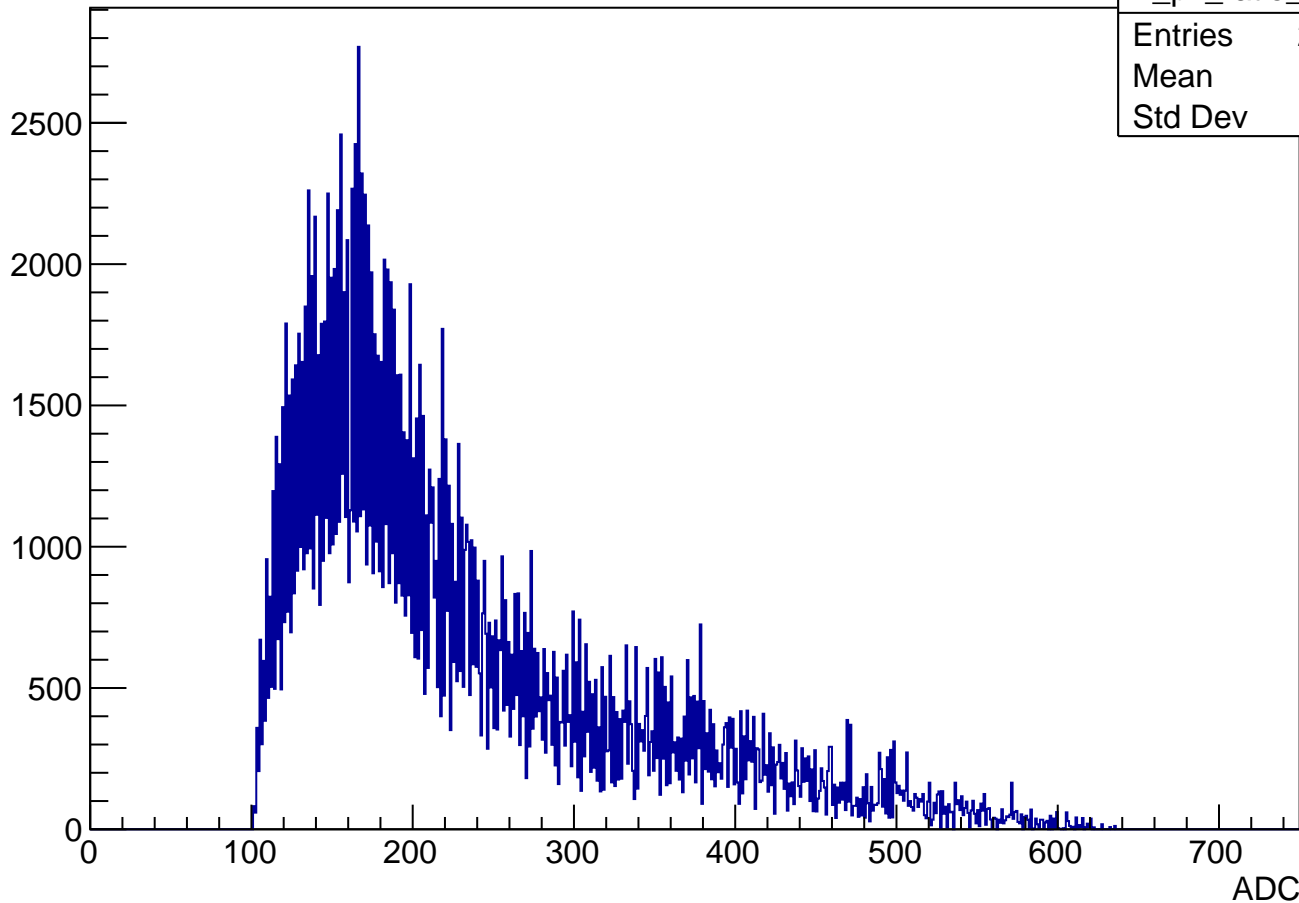
APV25 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



ADC of Numerator

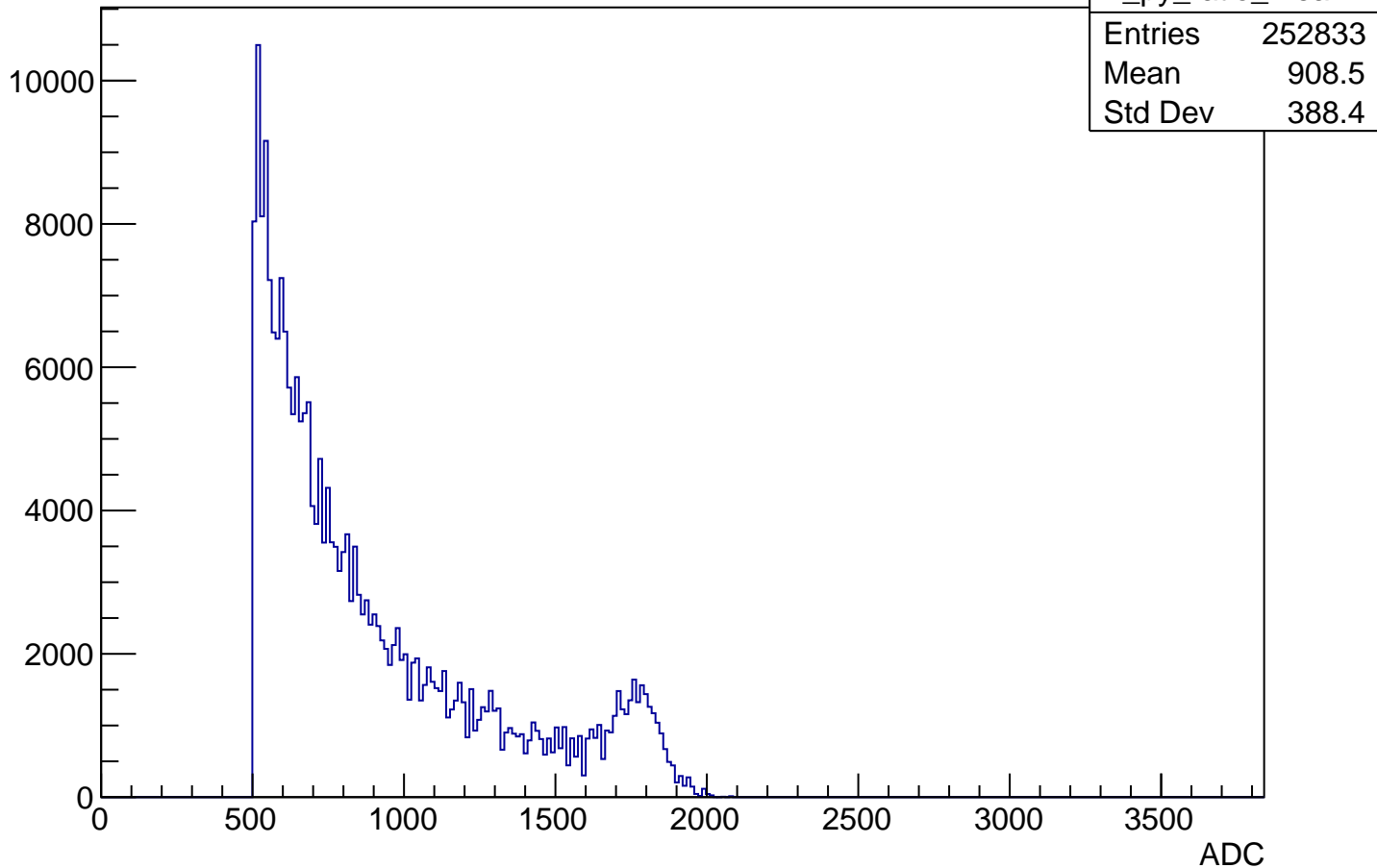


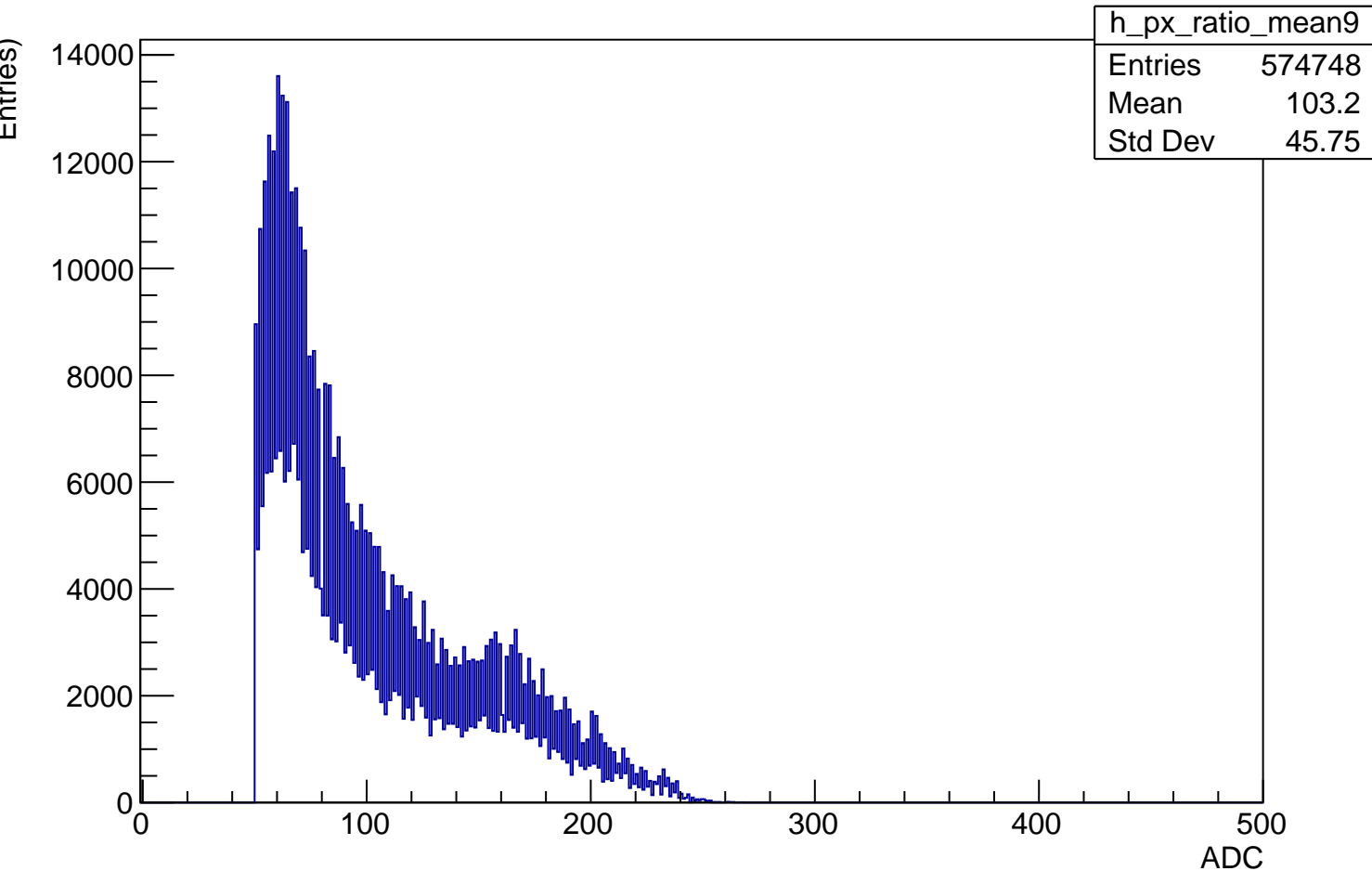
Entries

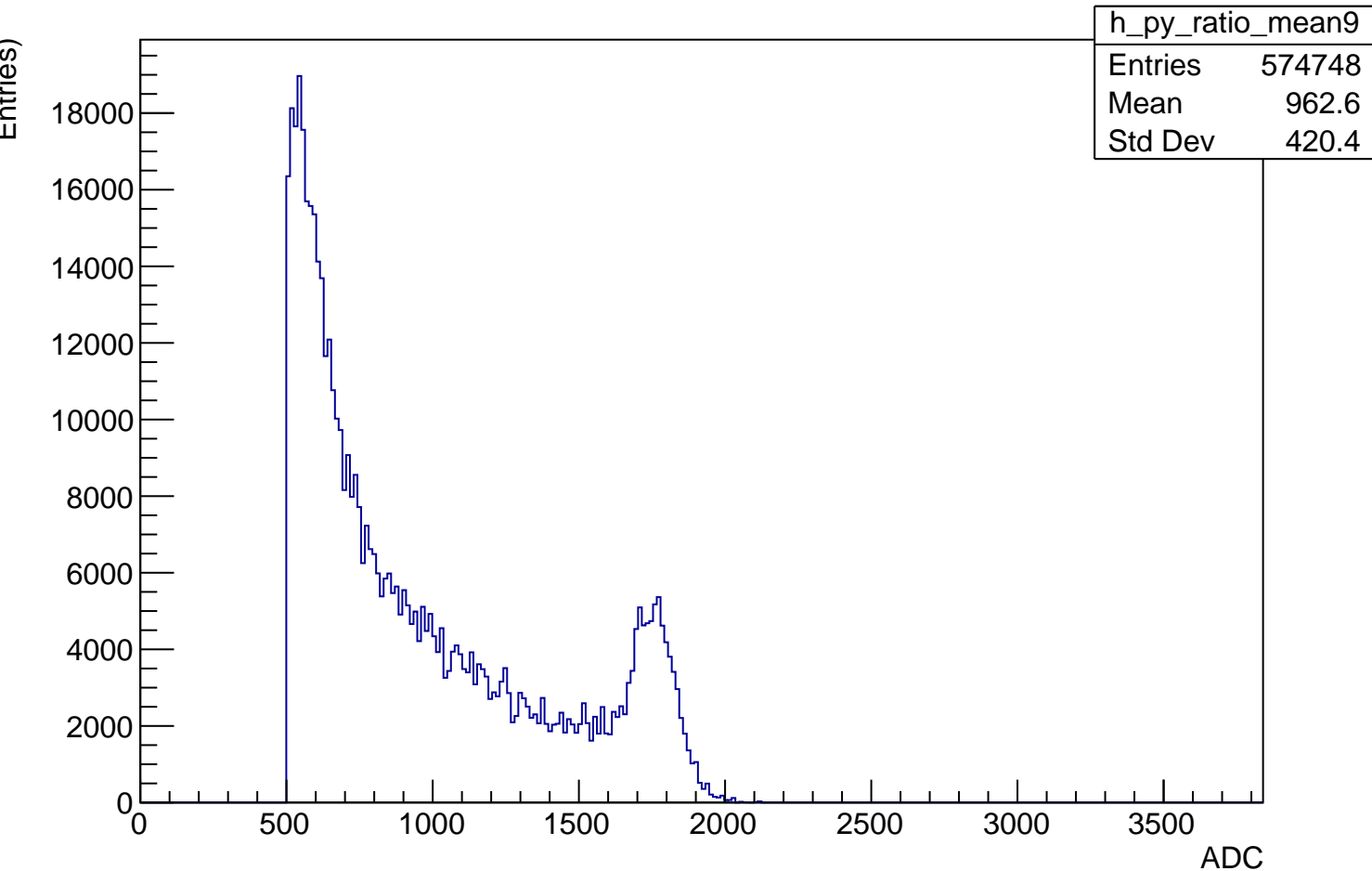


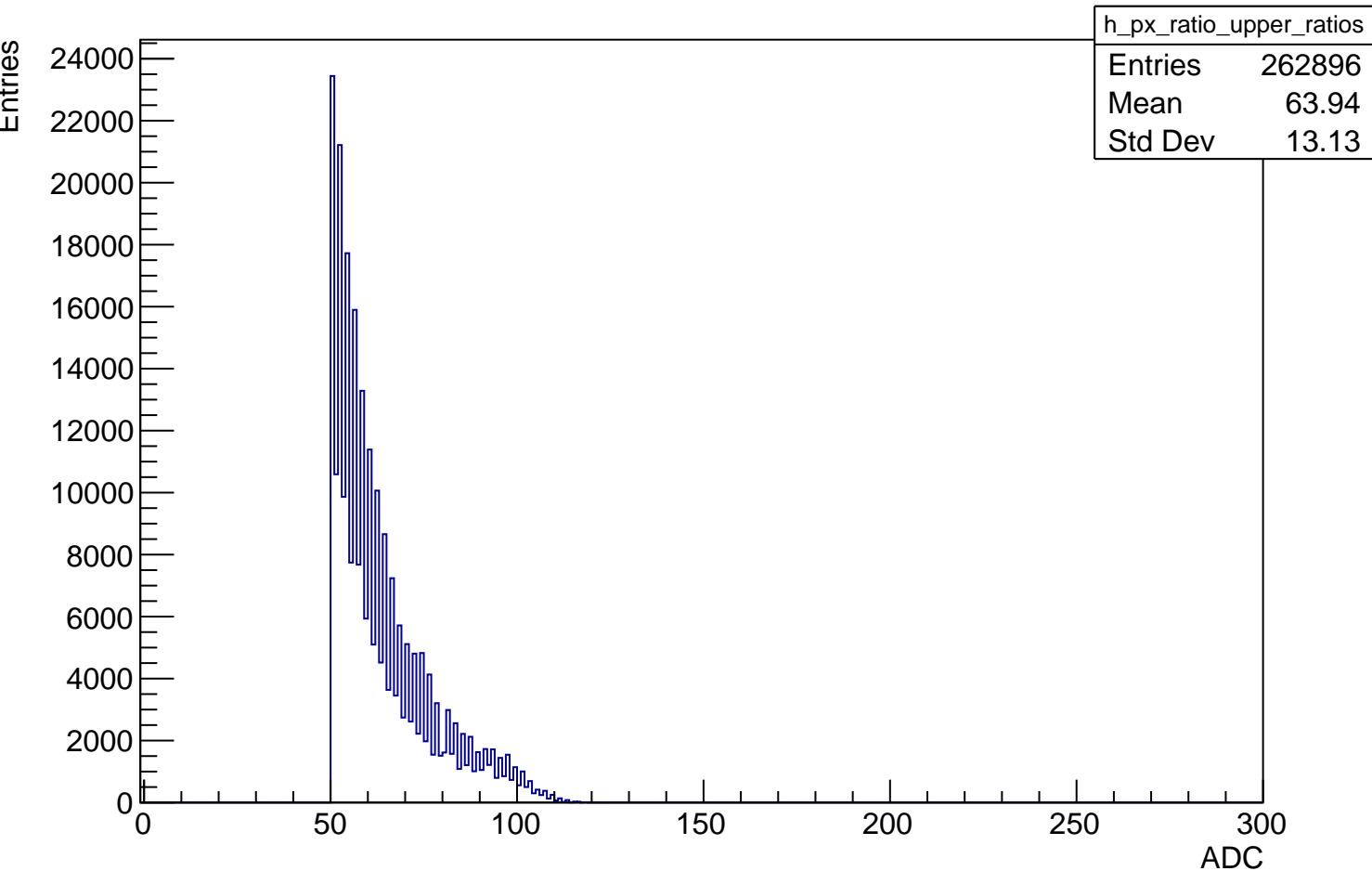
ADC

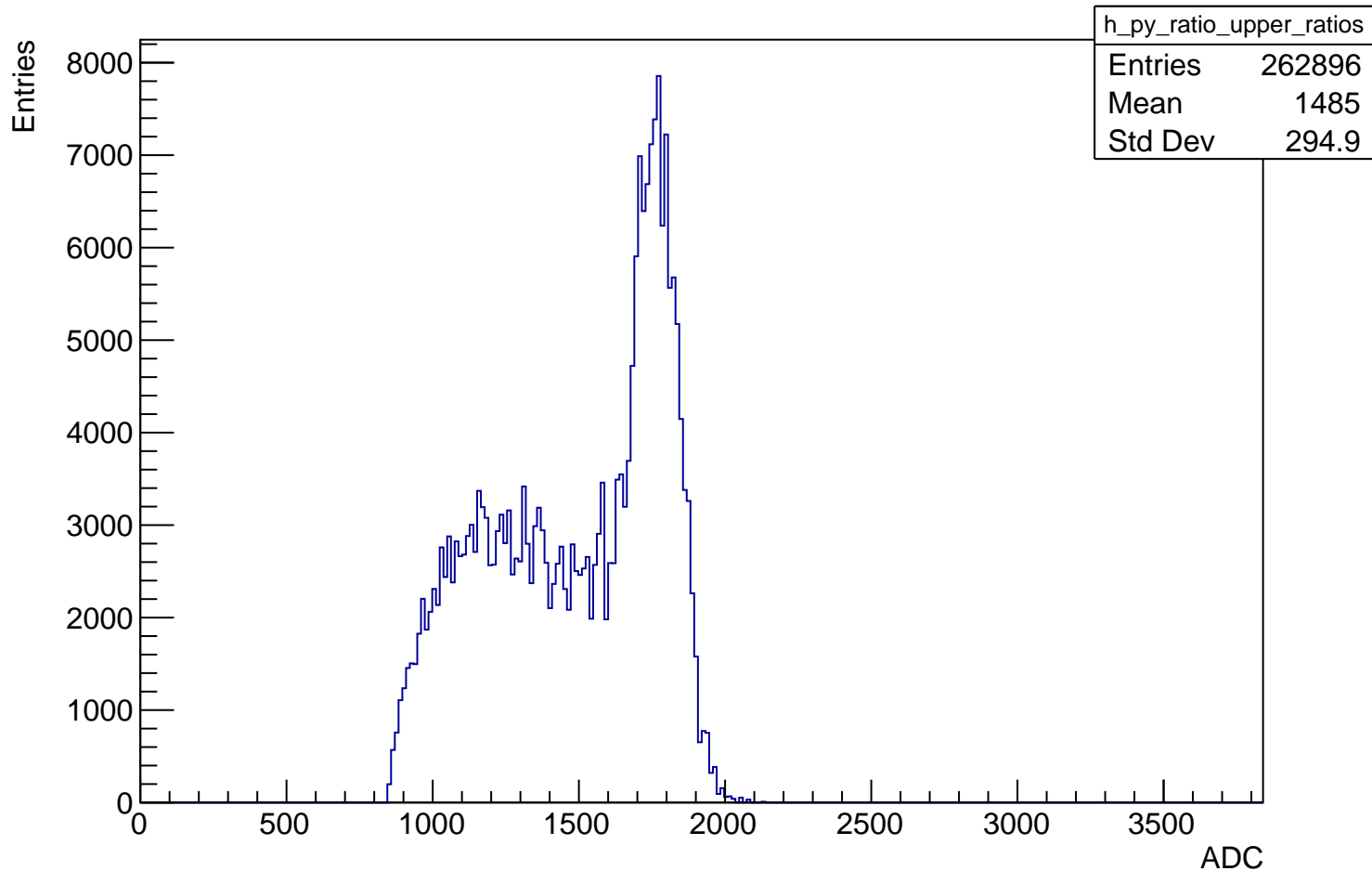
Entries



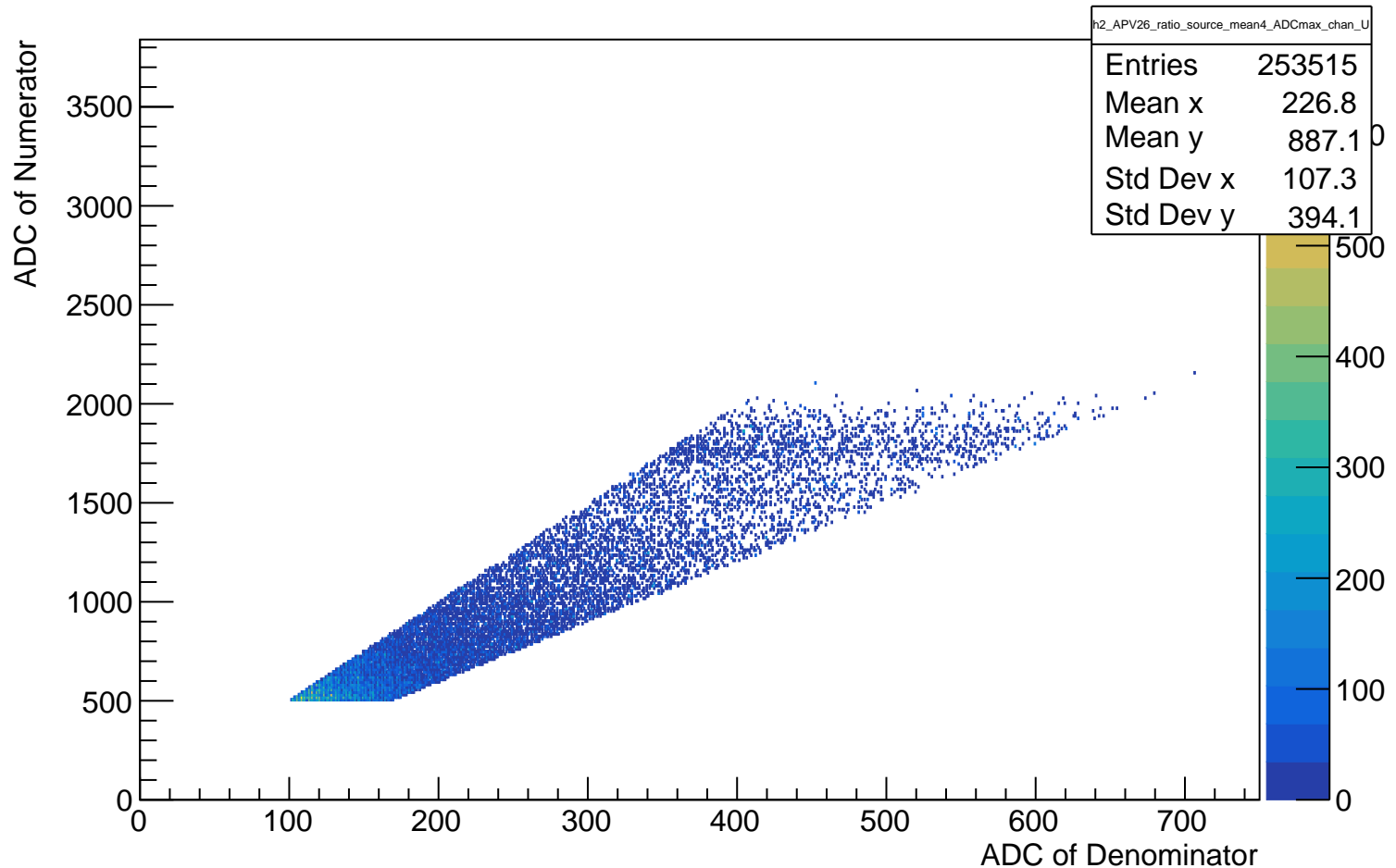




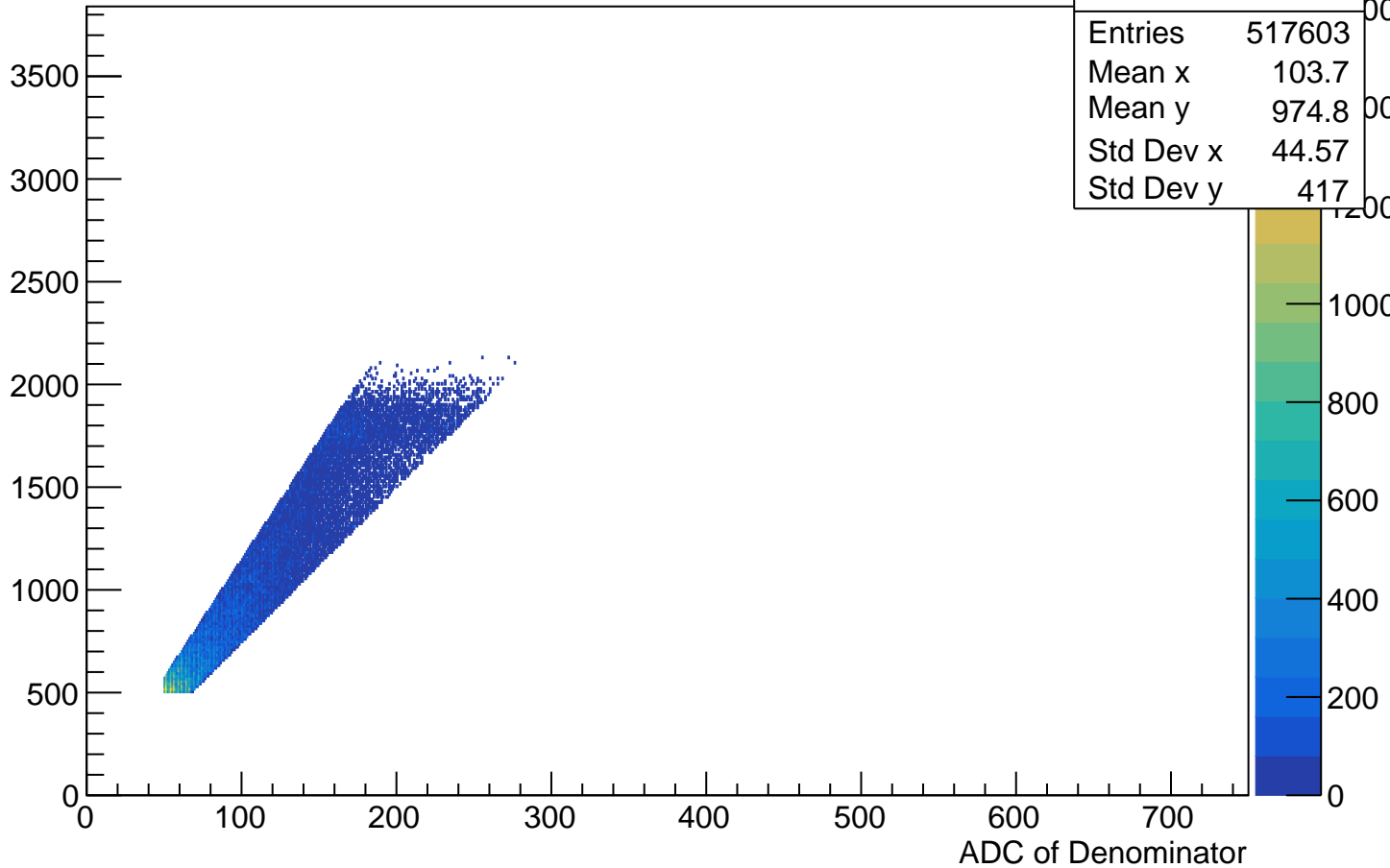


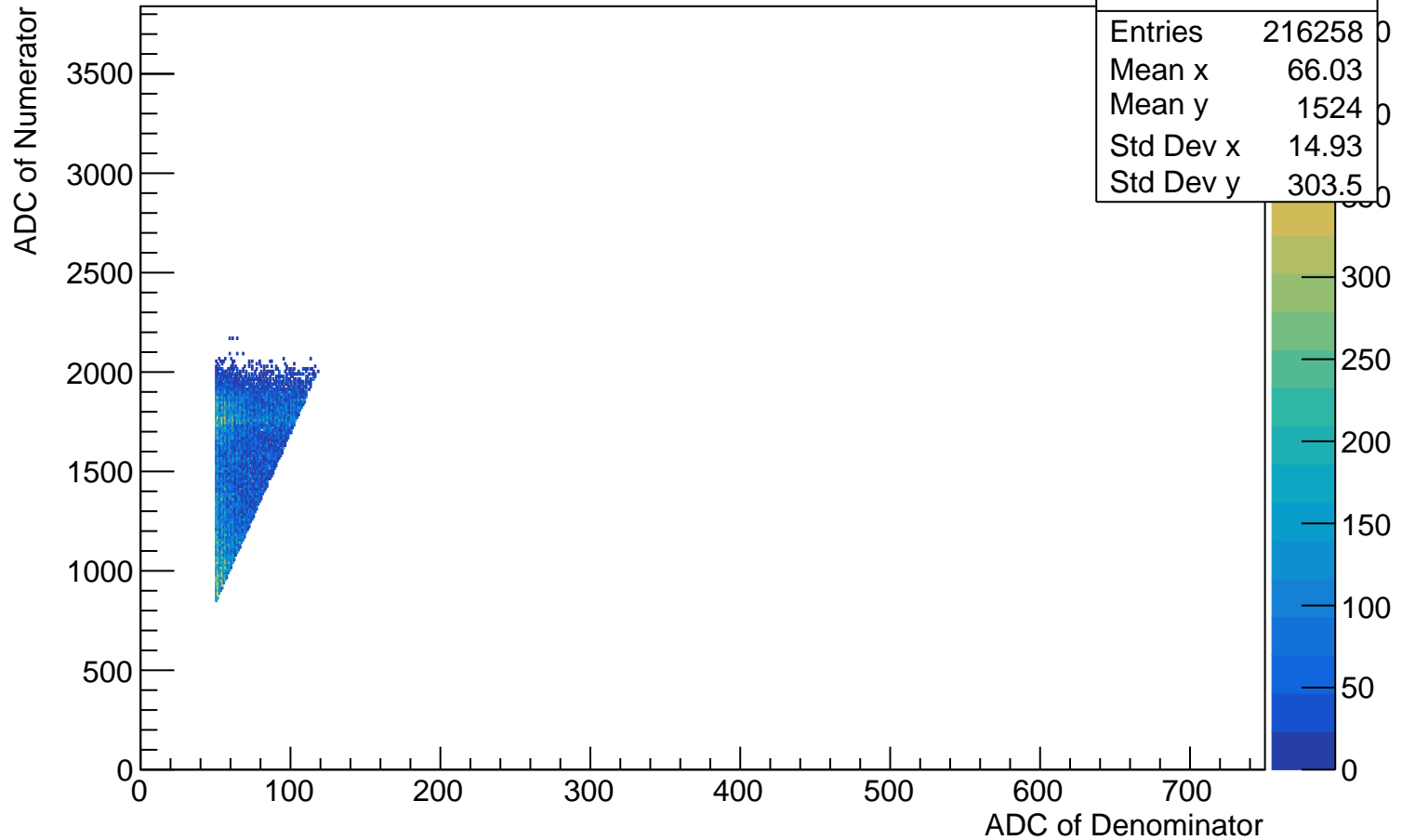


APV26 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

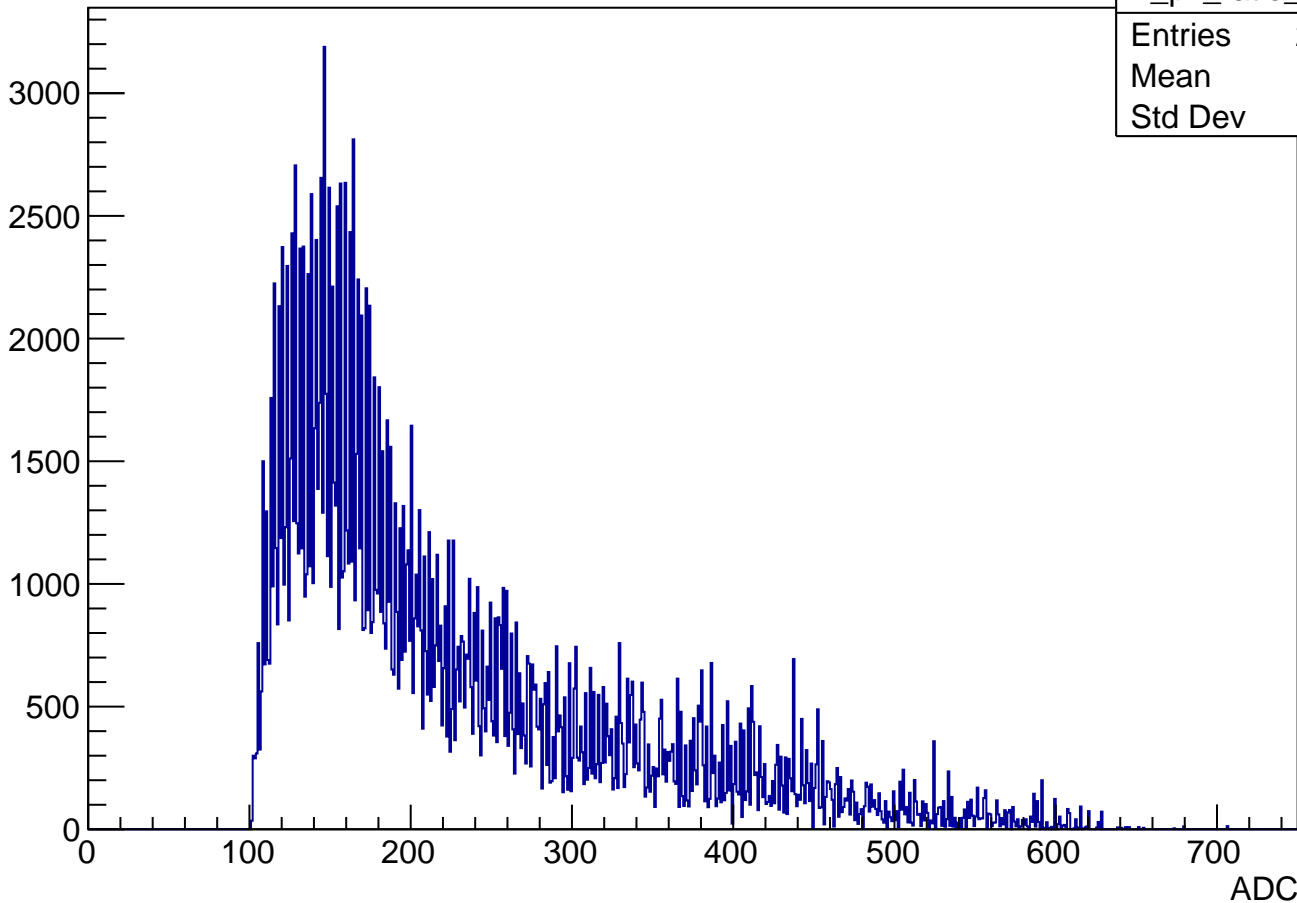


ADC of Numerator

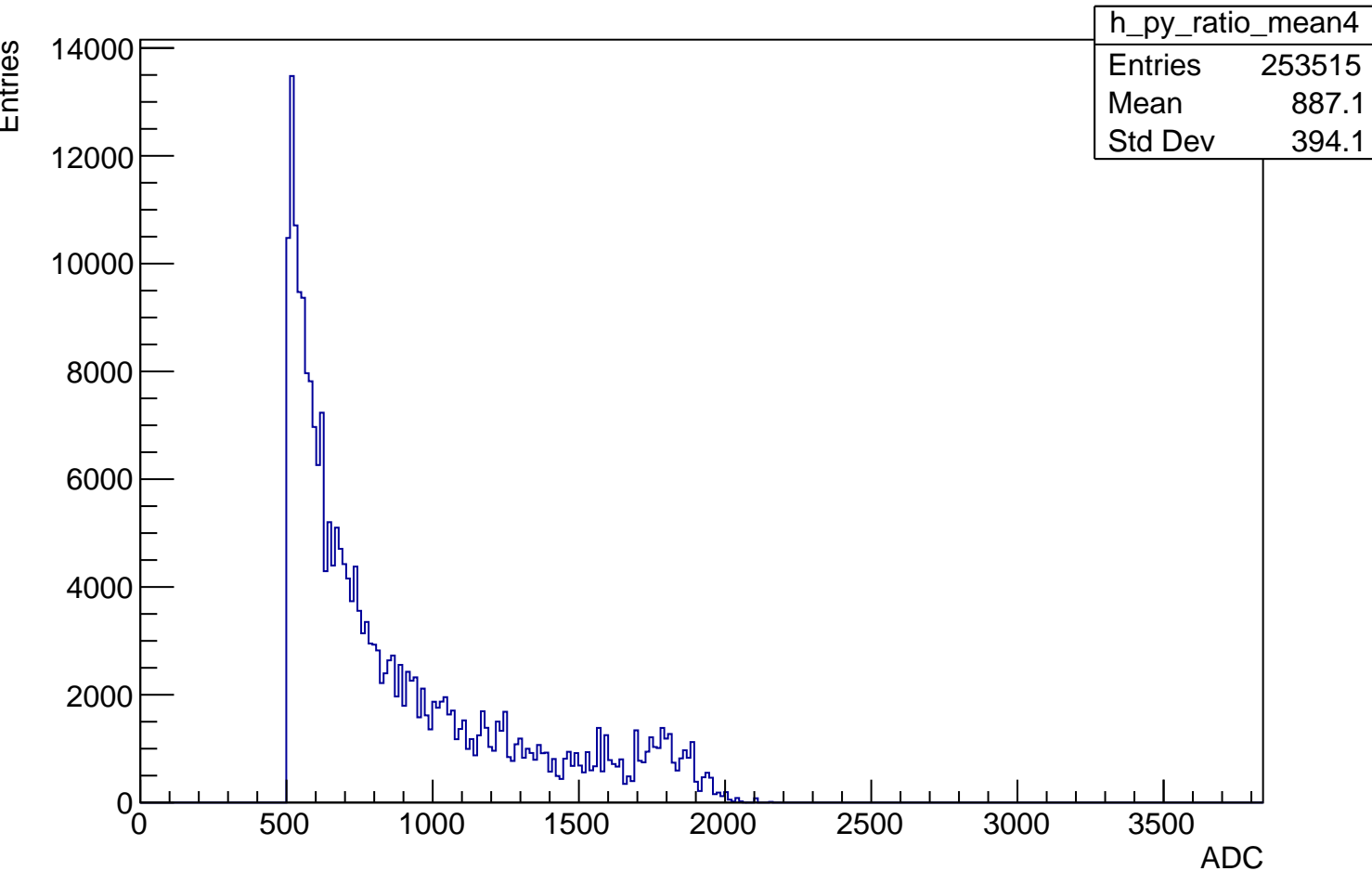


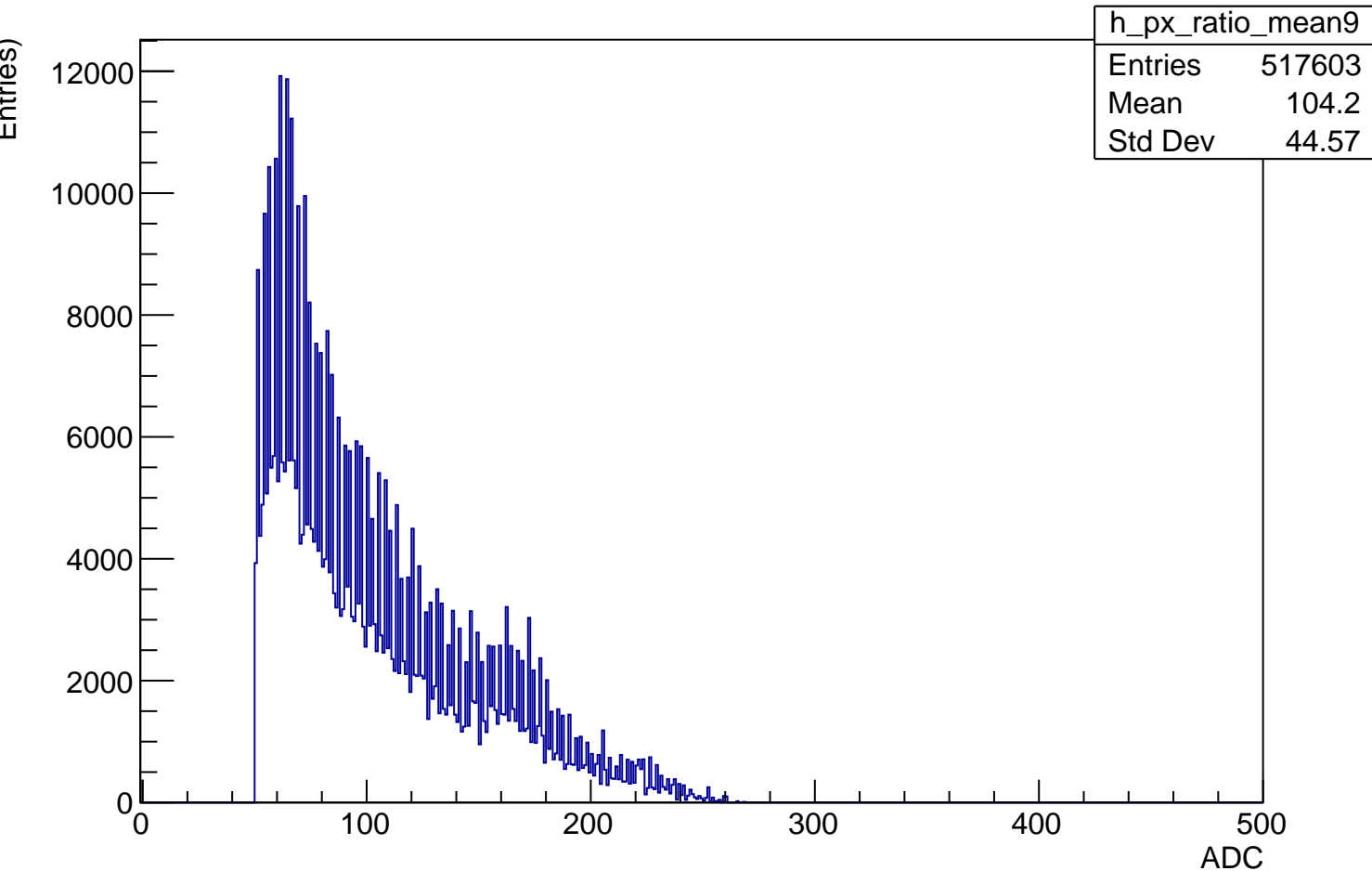


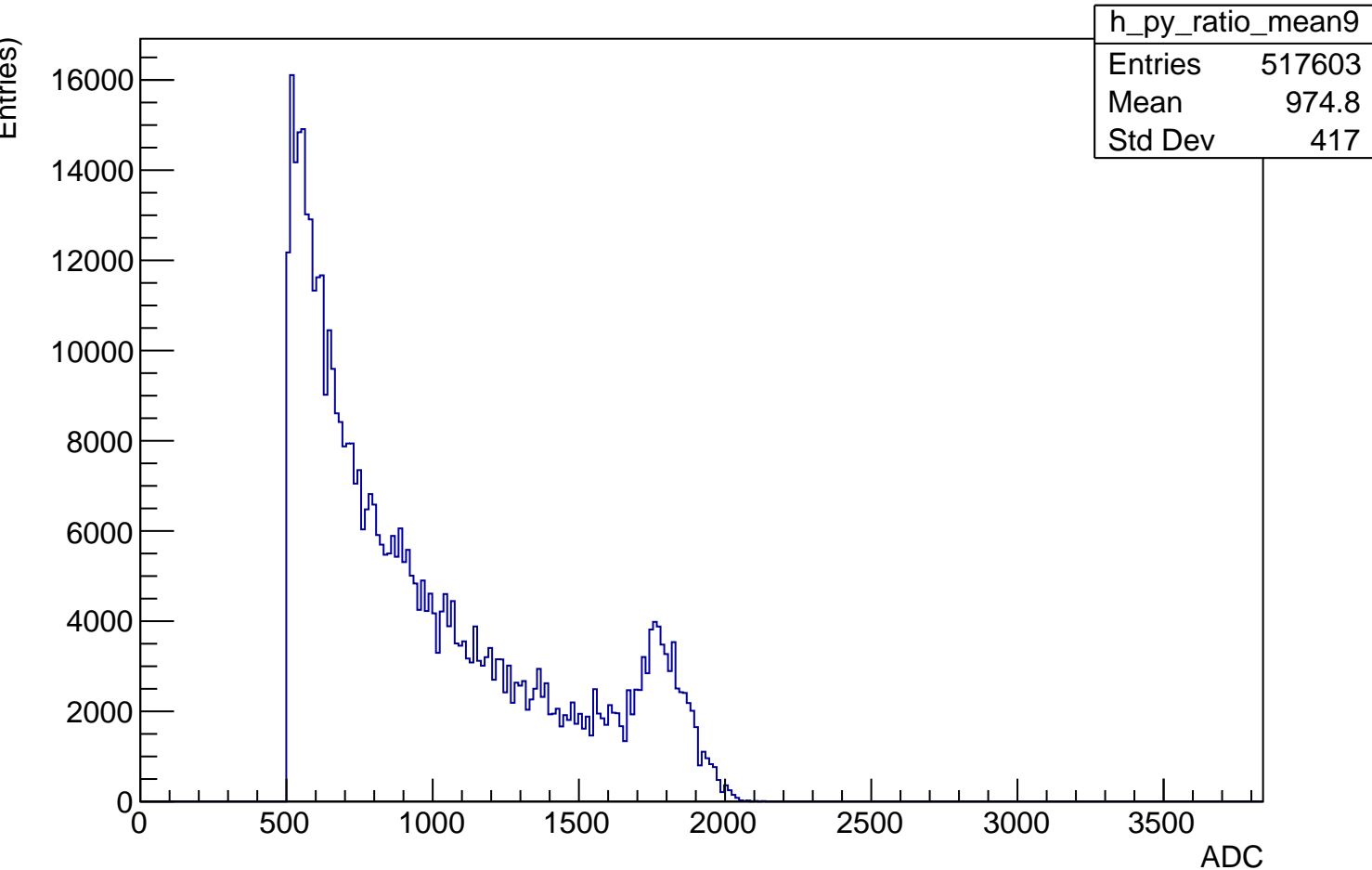
Entries



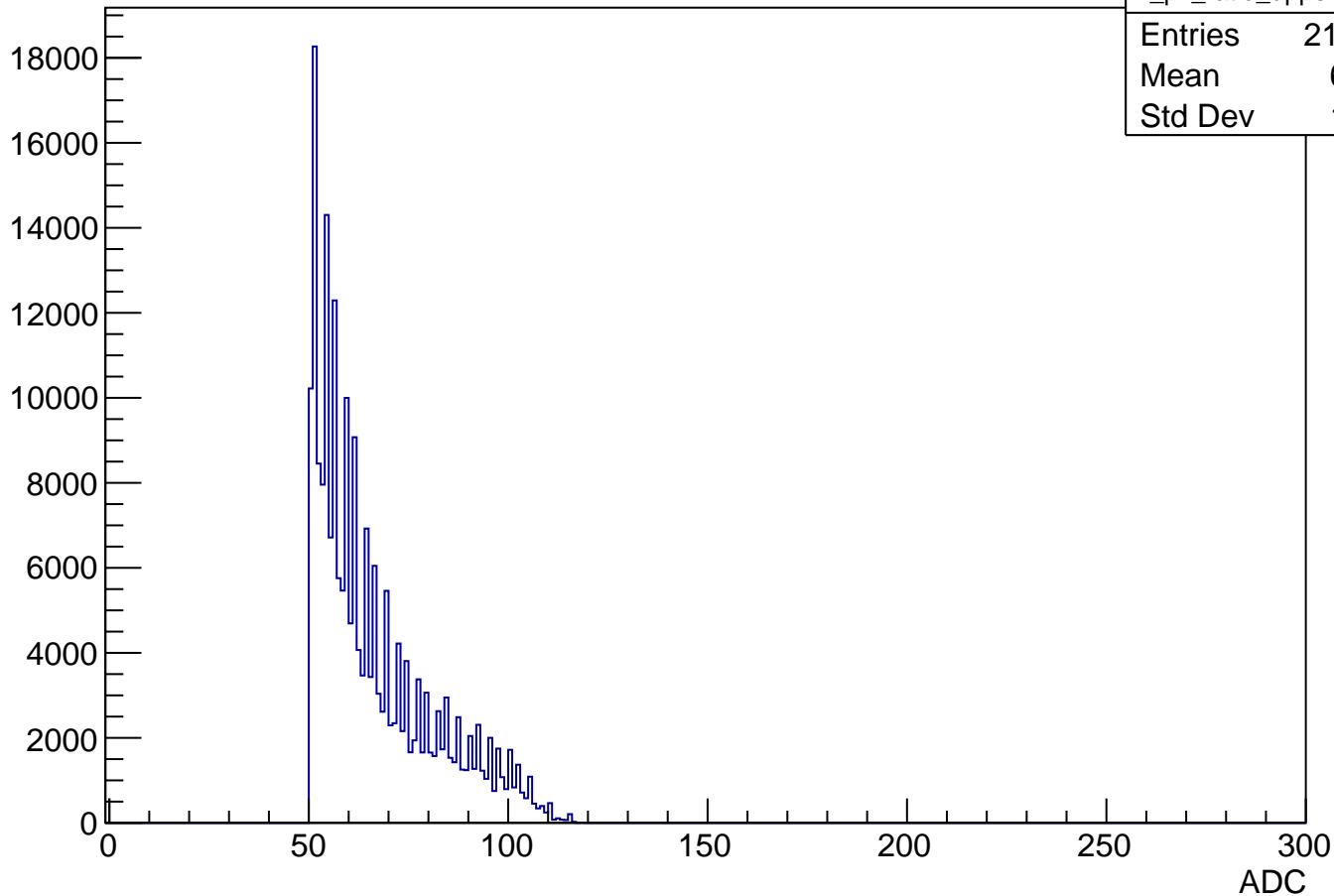
ADC



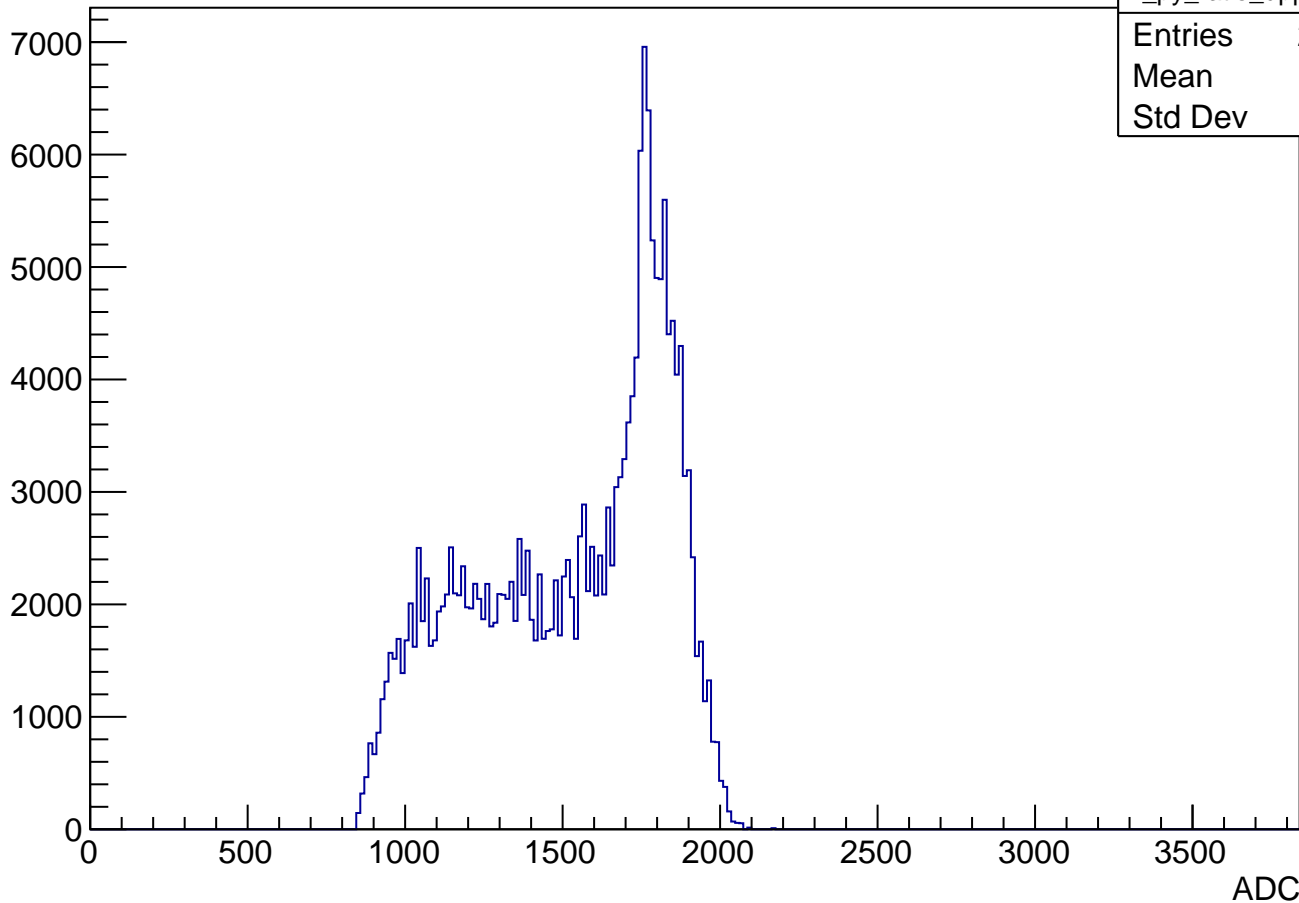




Entries



Entries



h_py_ratio_upper_ratios

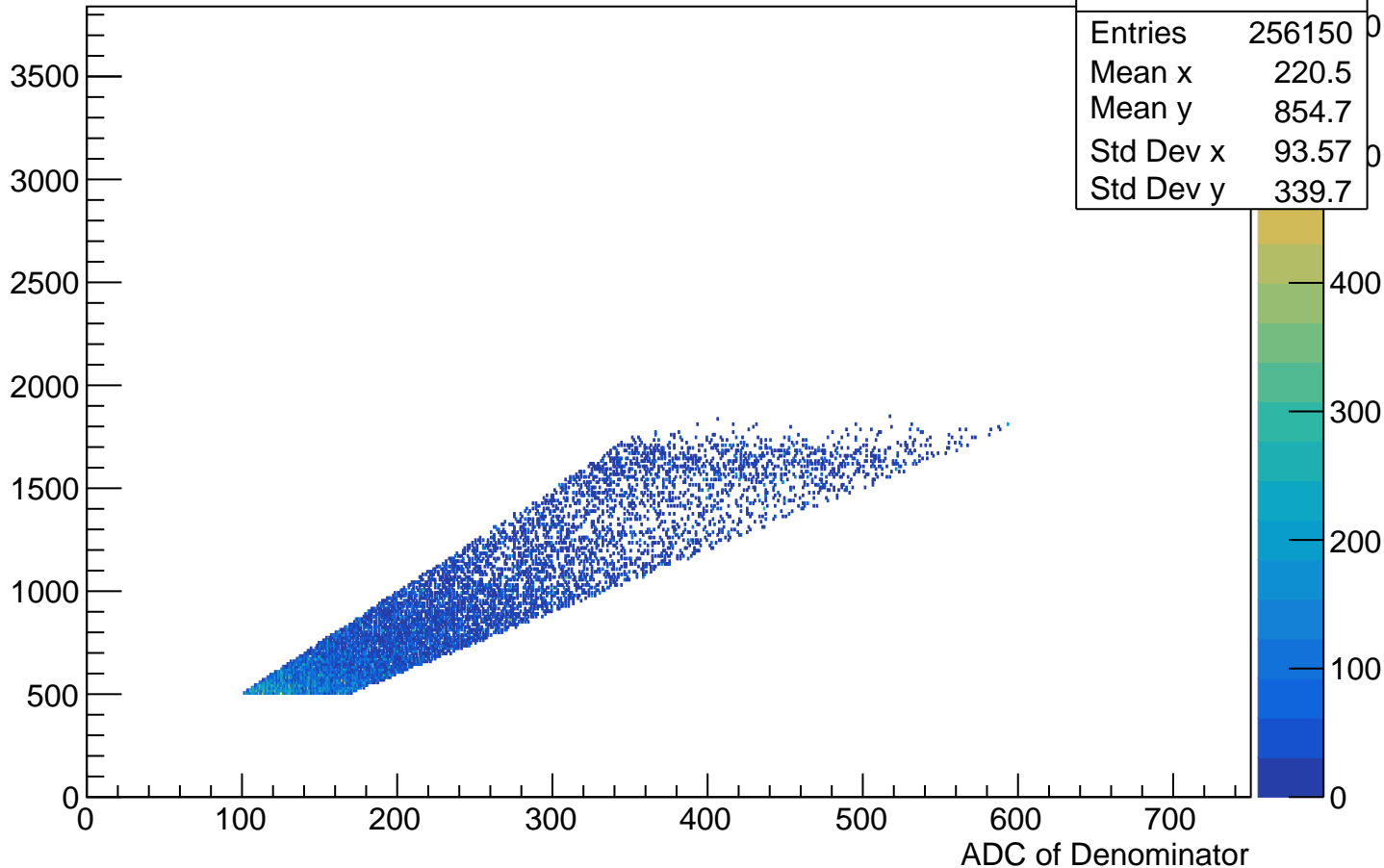
Entries 216258

Mean 1524

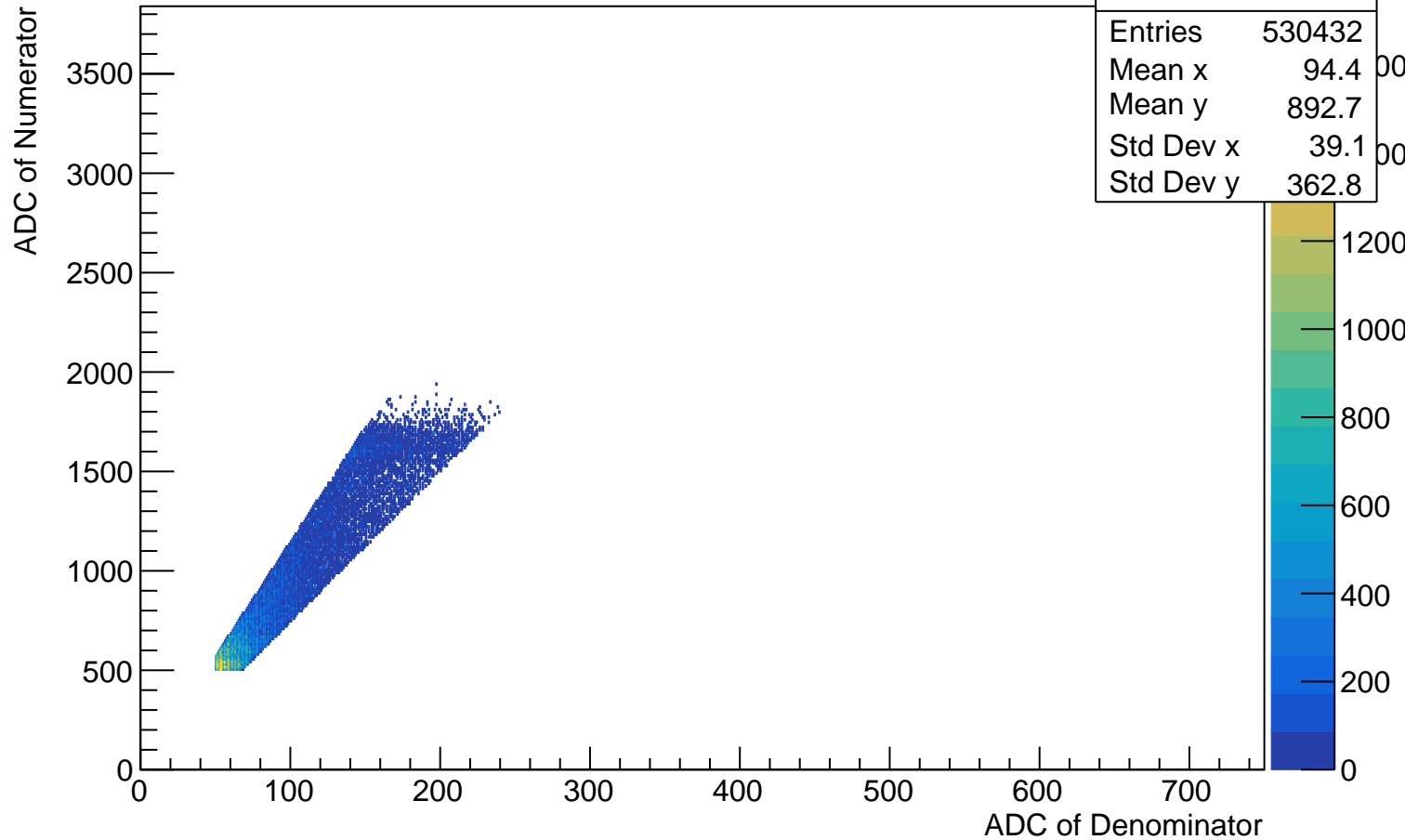
Std Dev 303.5

APV27 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

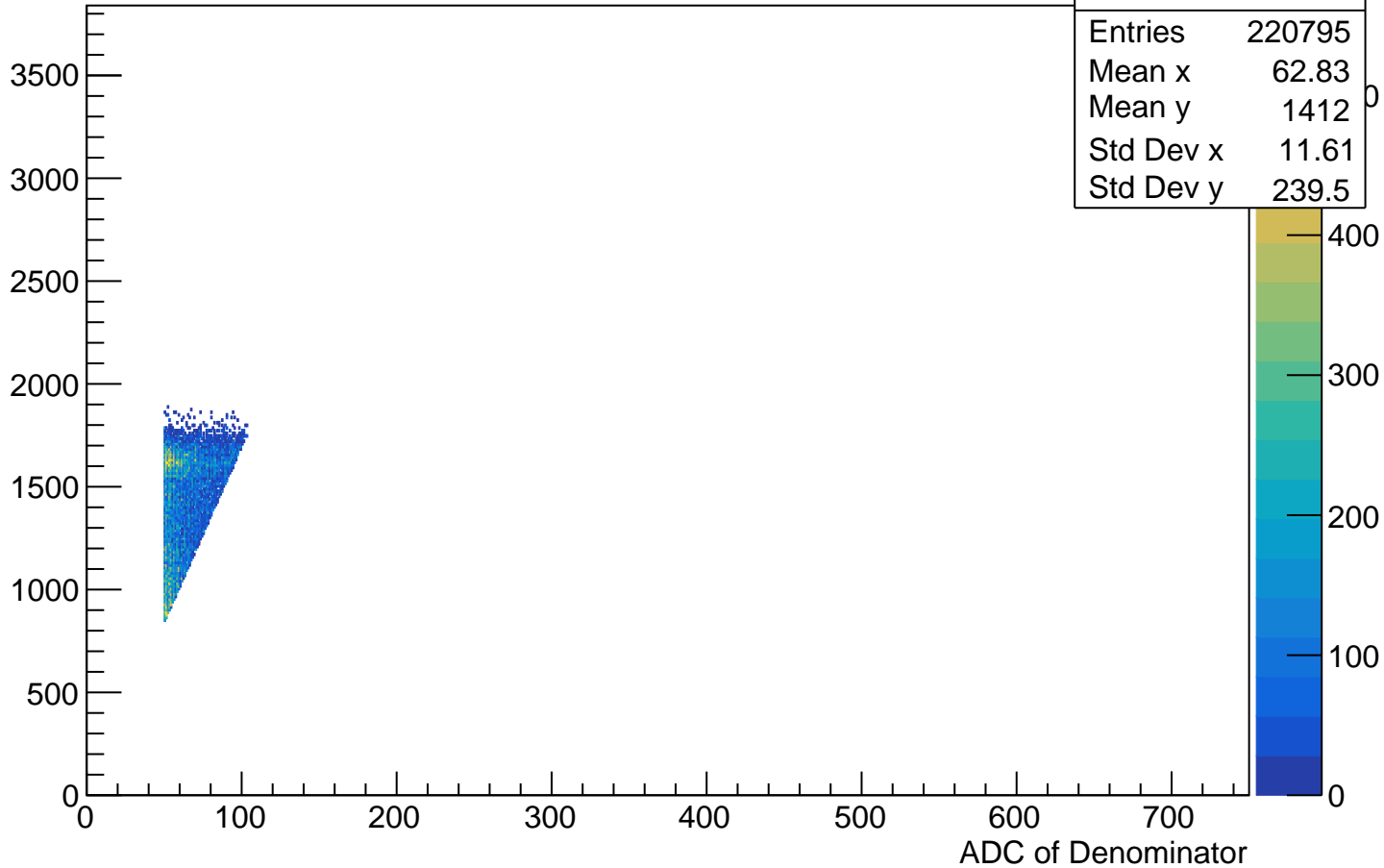
ADC of Numerator

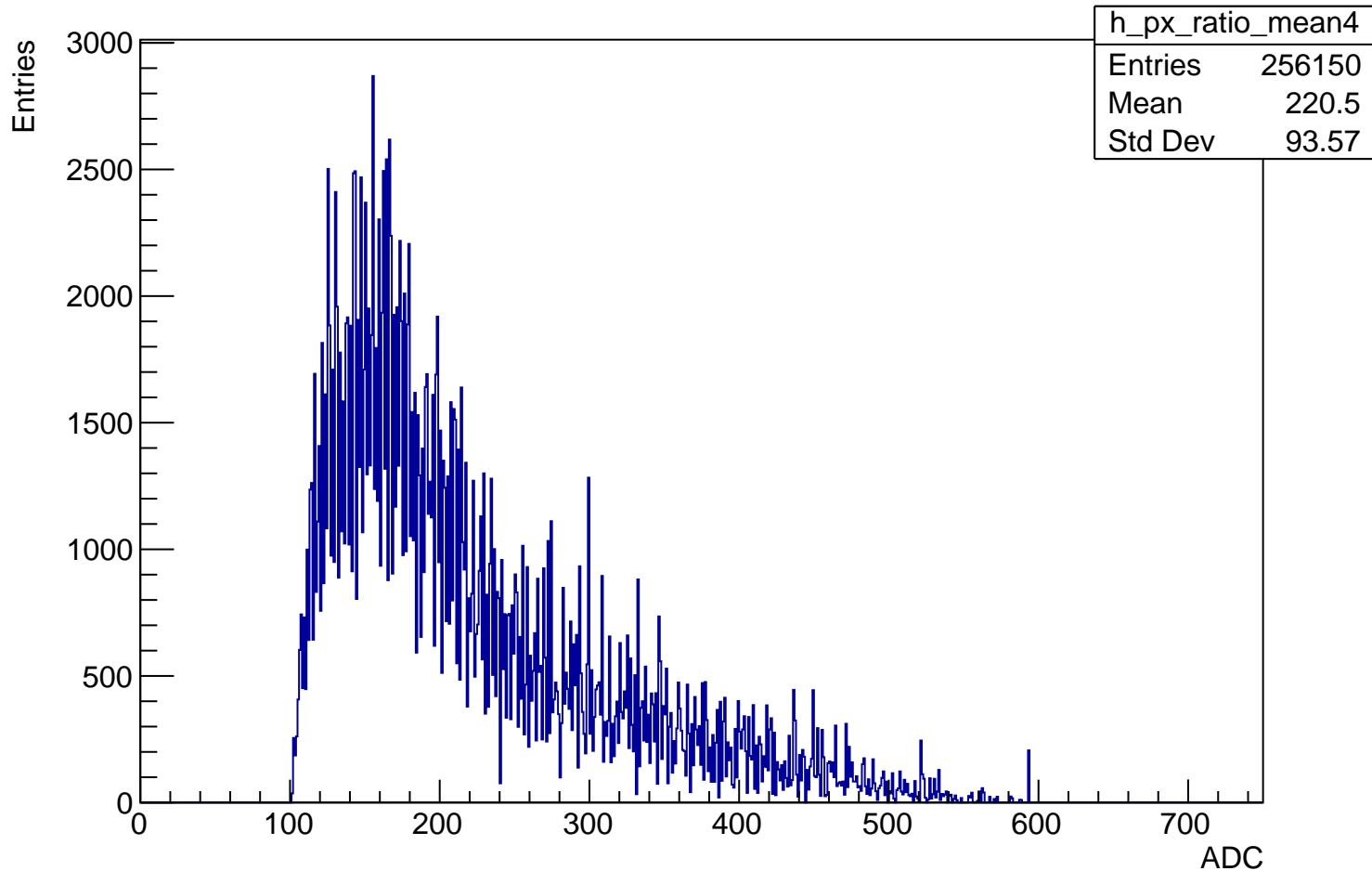


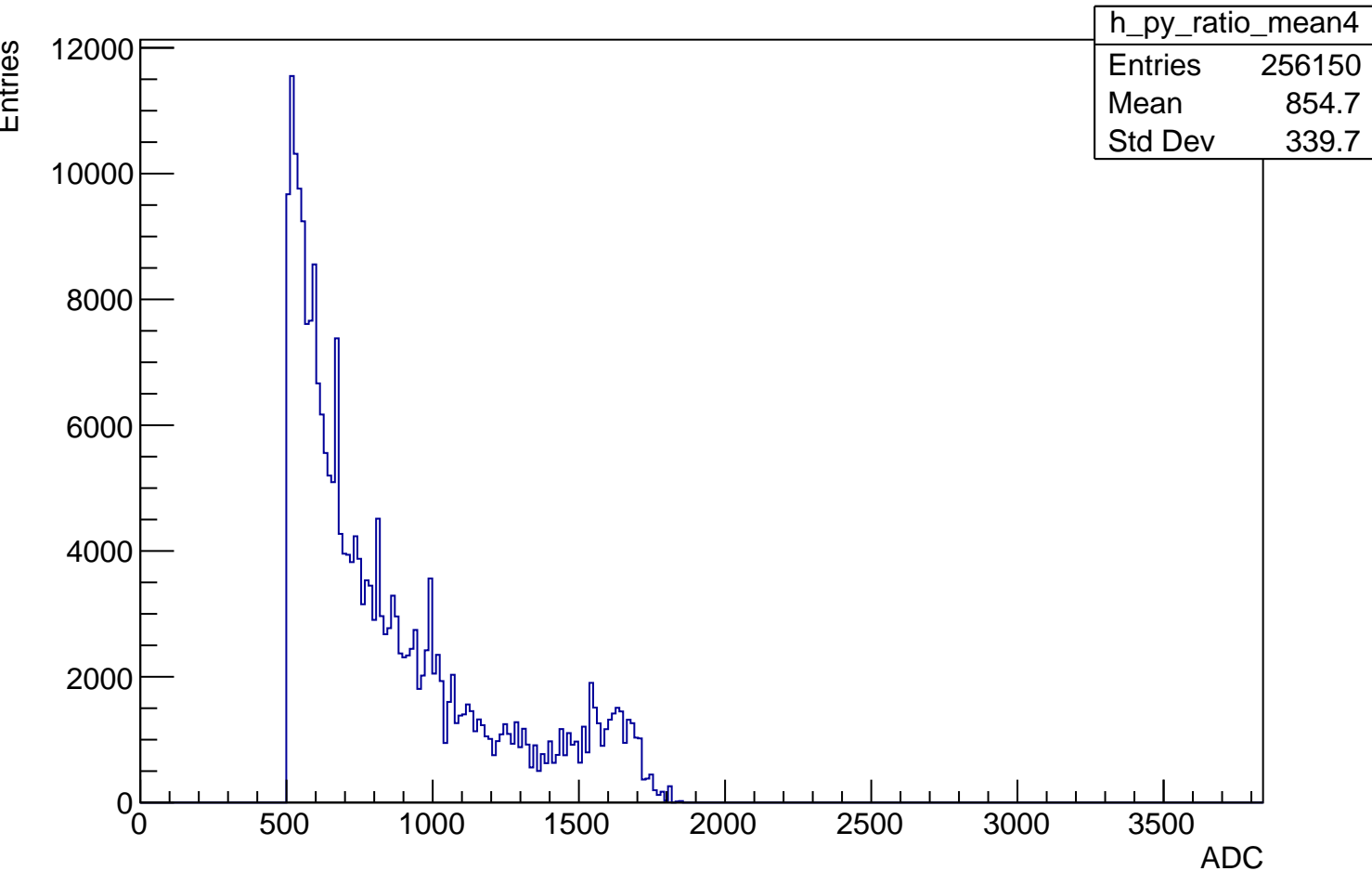
APV27 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



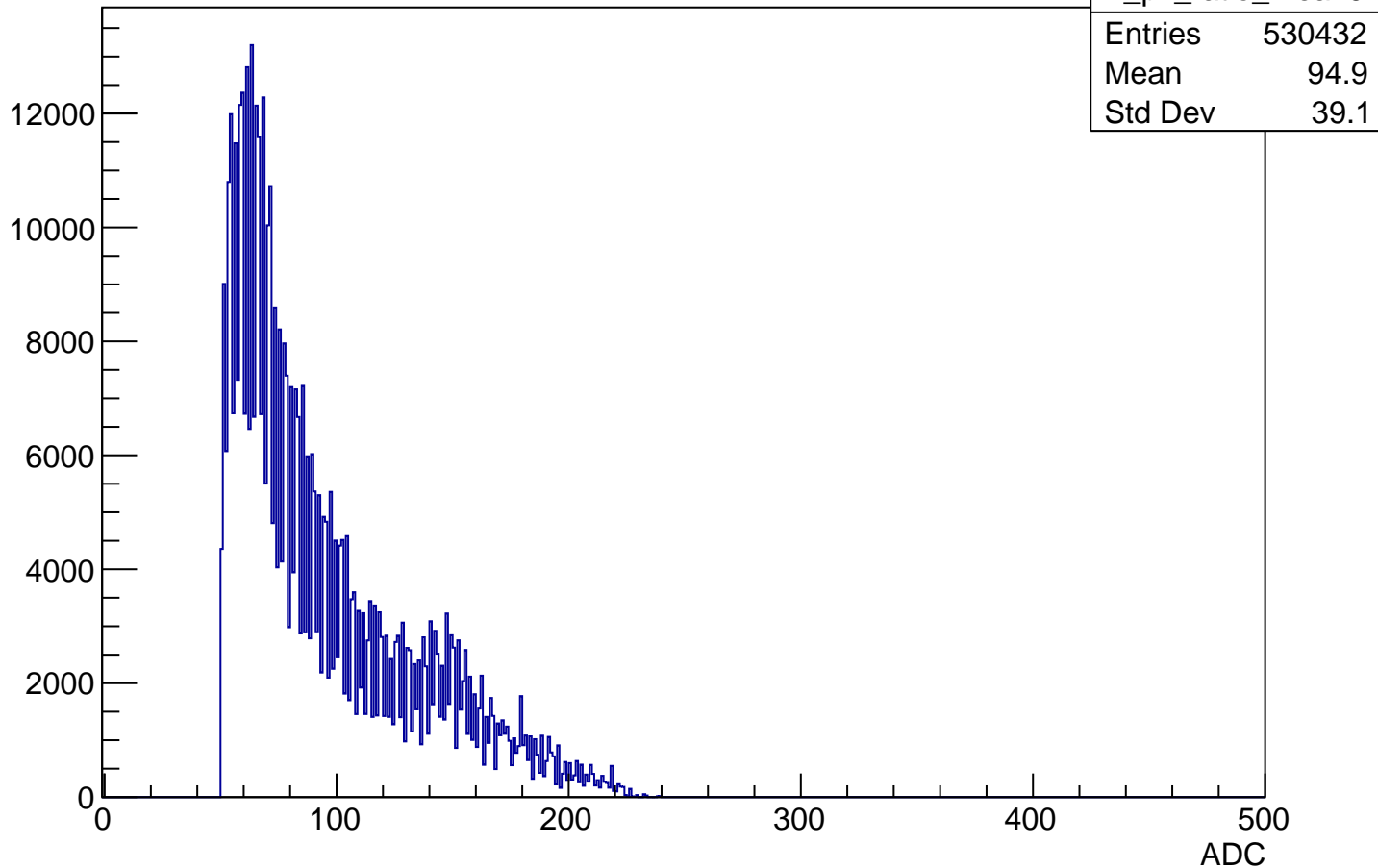
ADC of Numerator

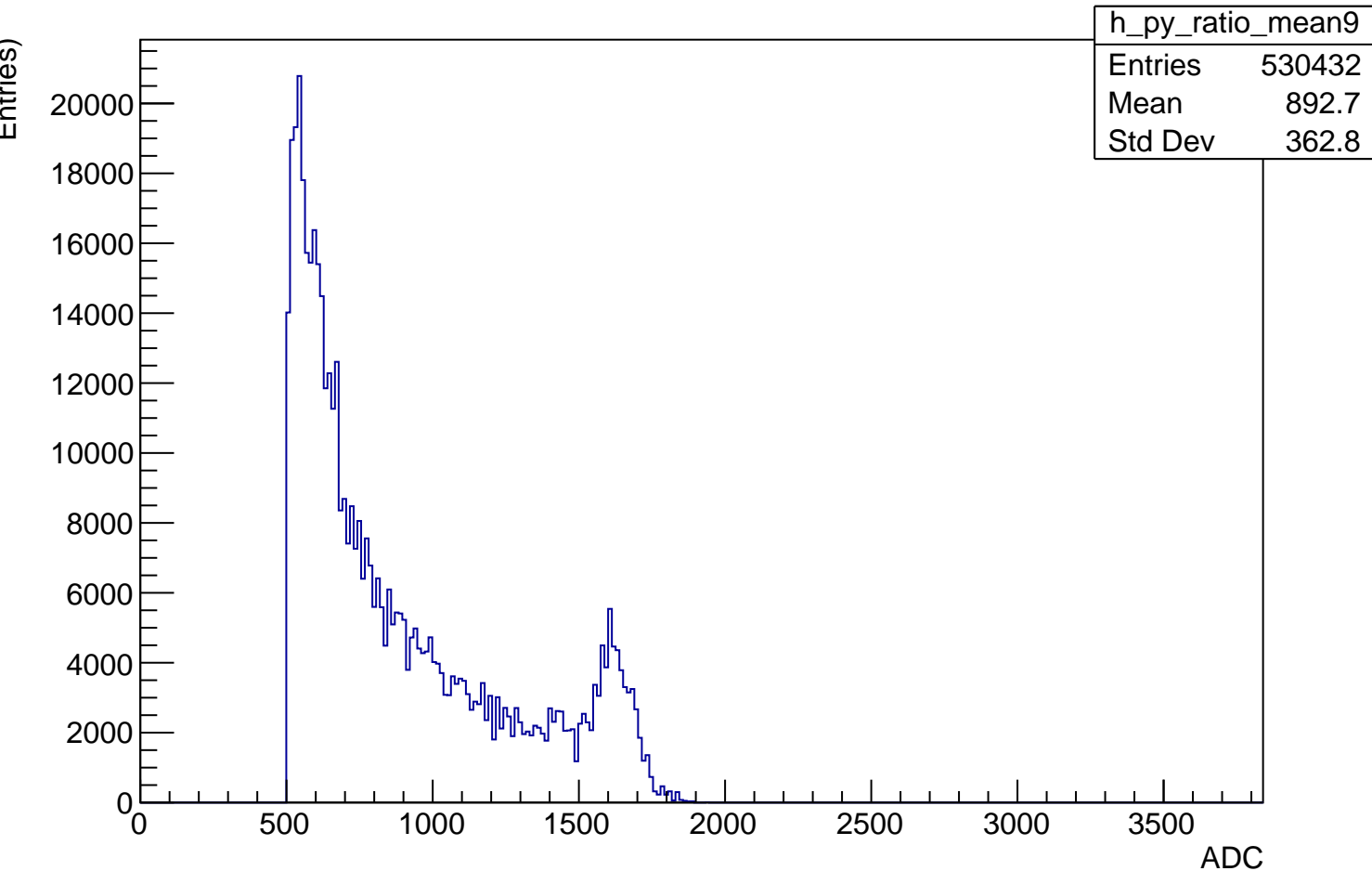




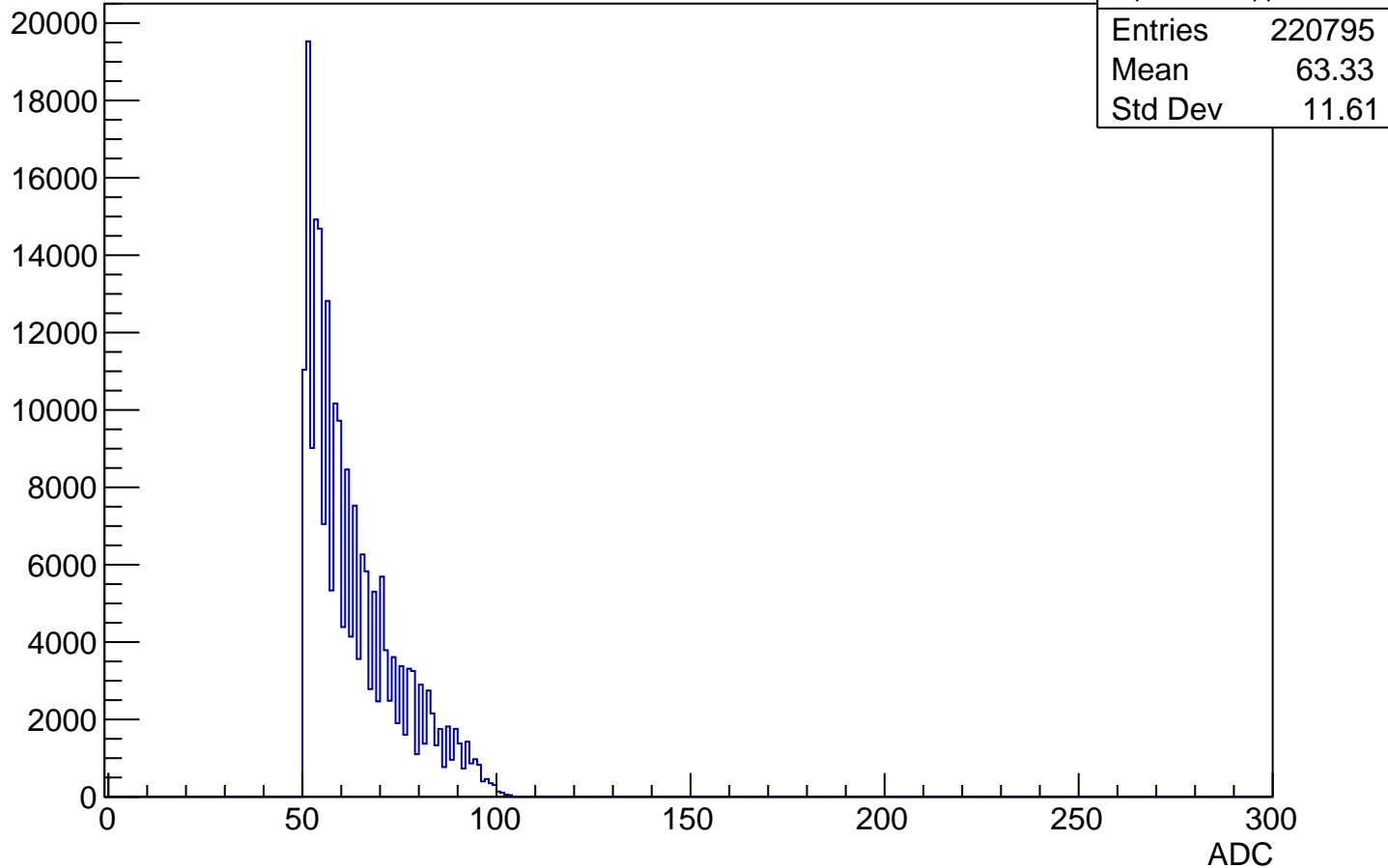


Entries)

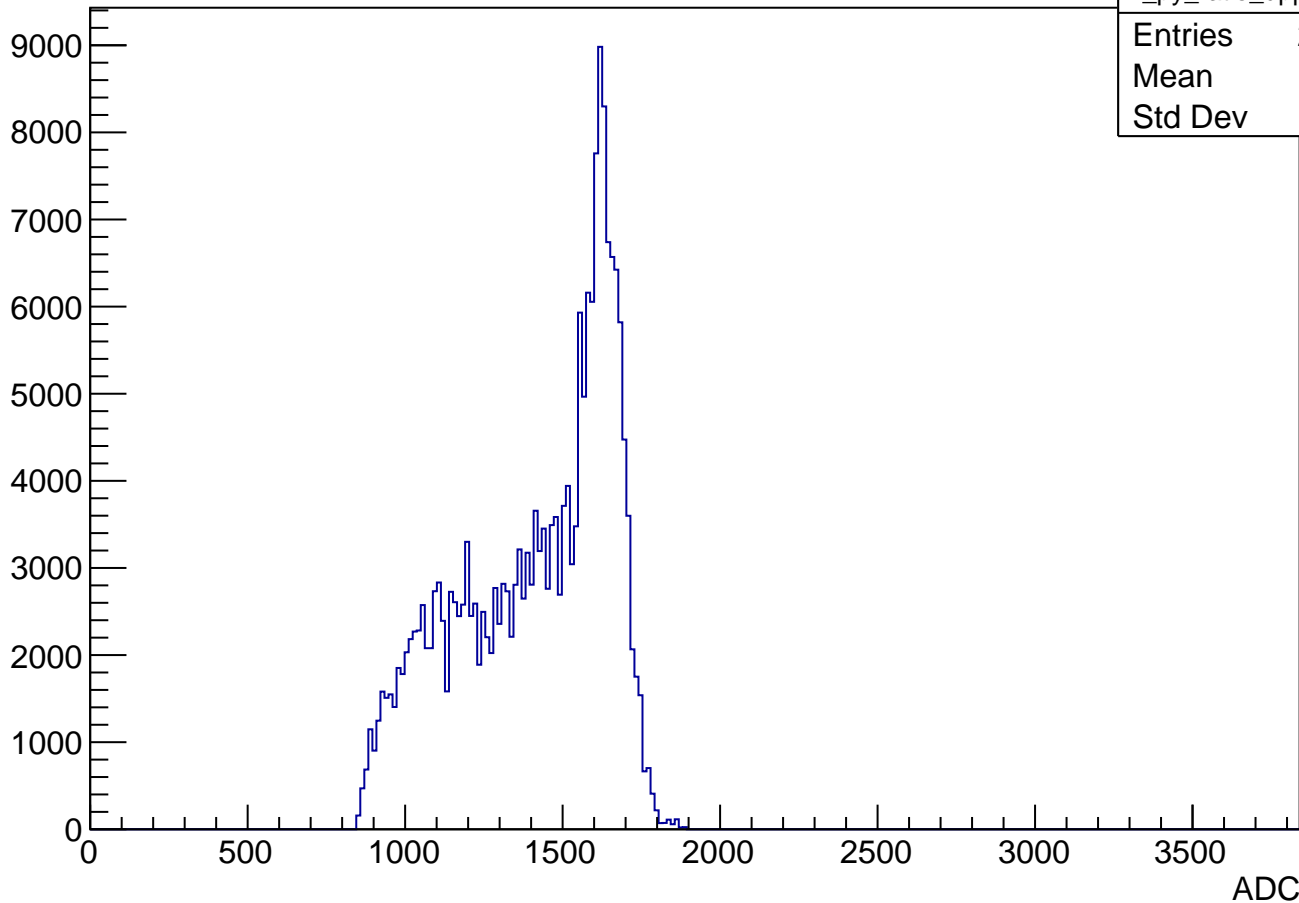




Entries



Entries



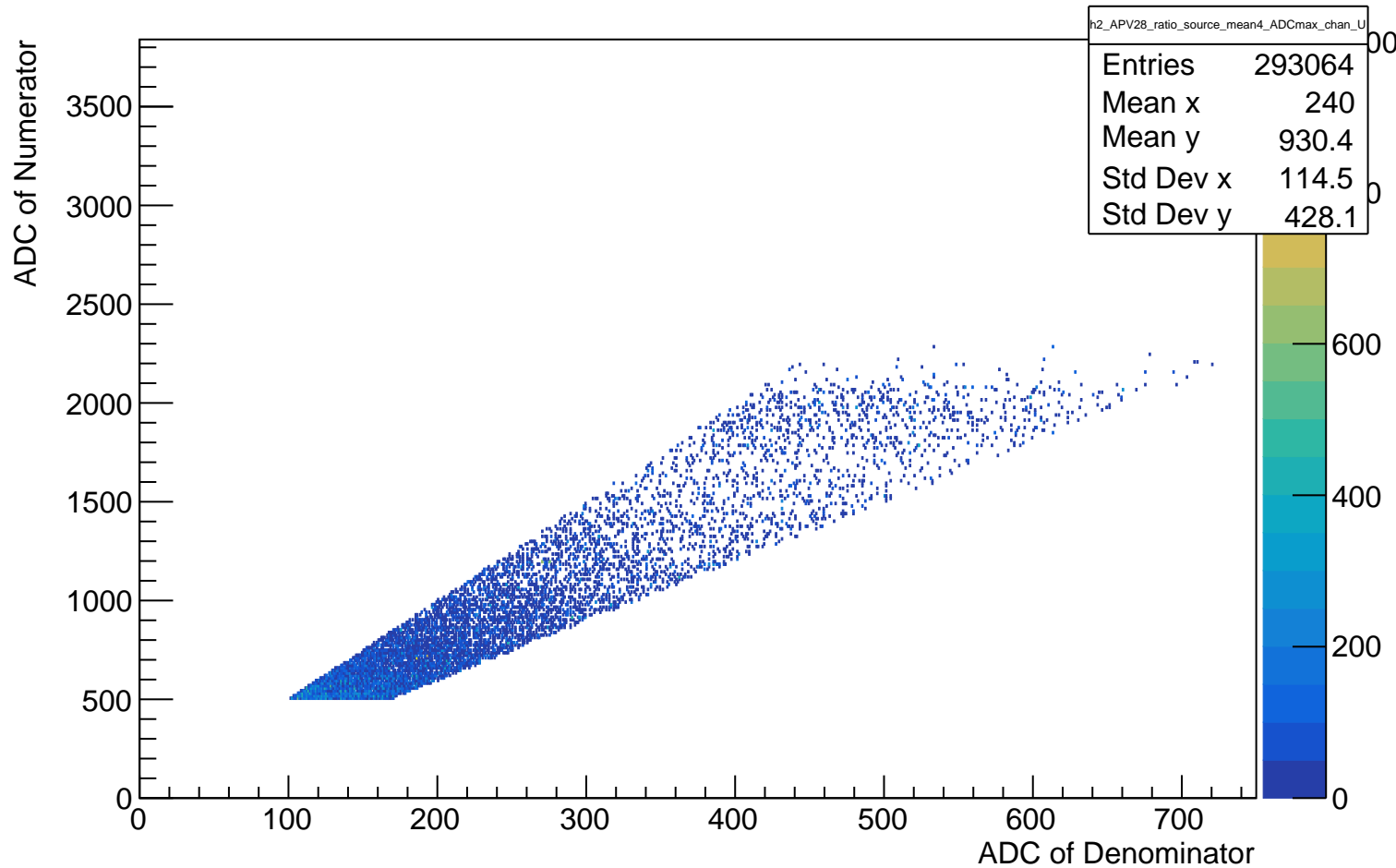
h_py_ratio_upper_ratios

Entries 220795

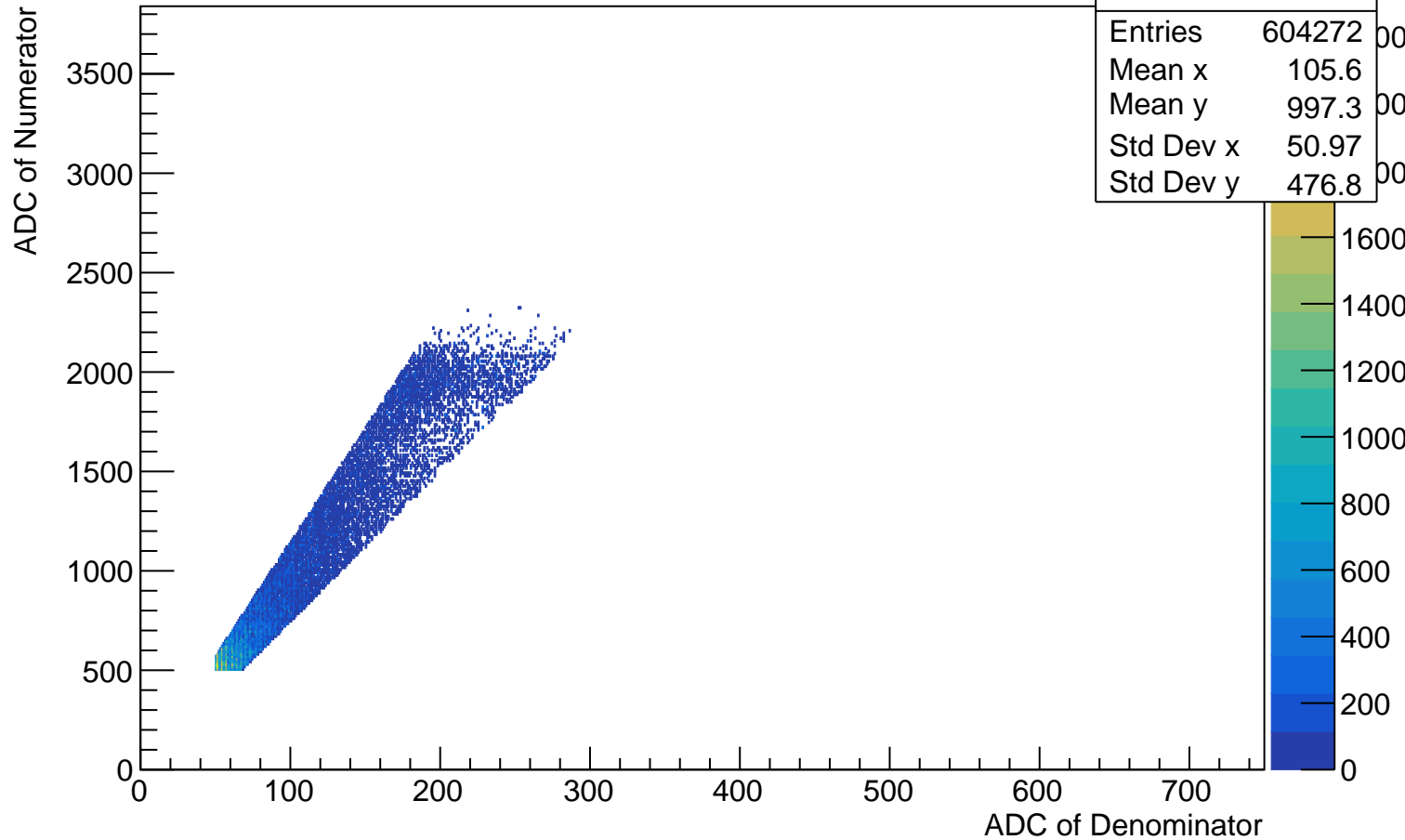
Mean 1412

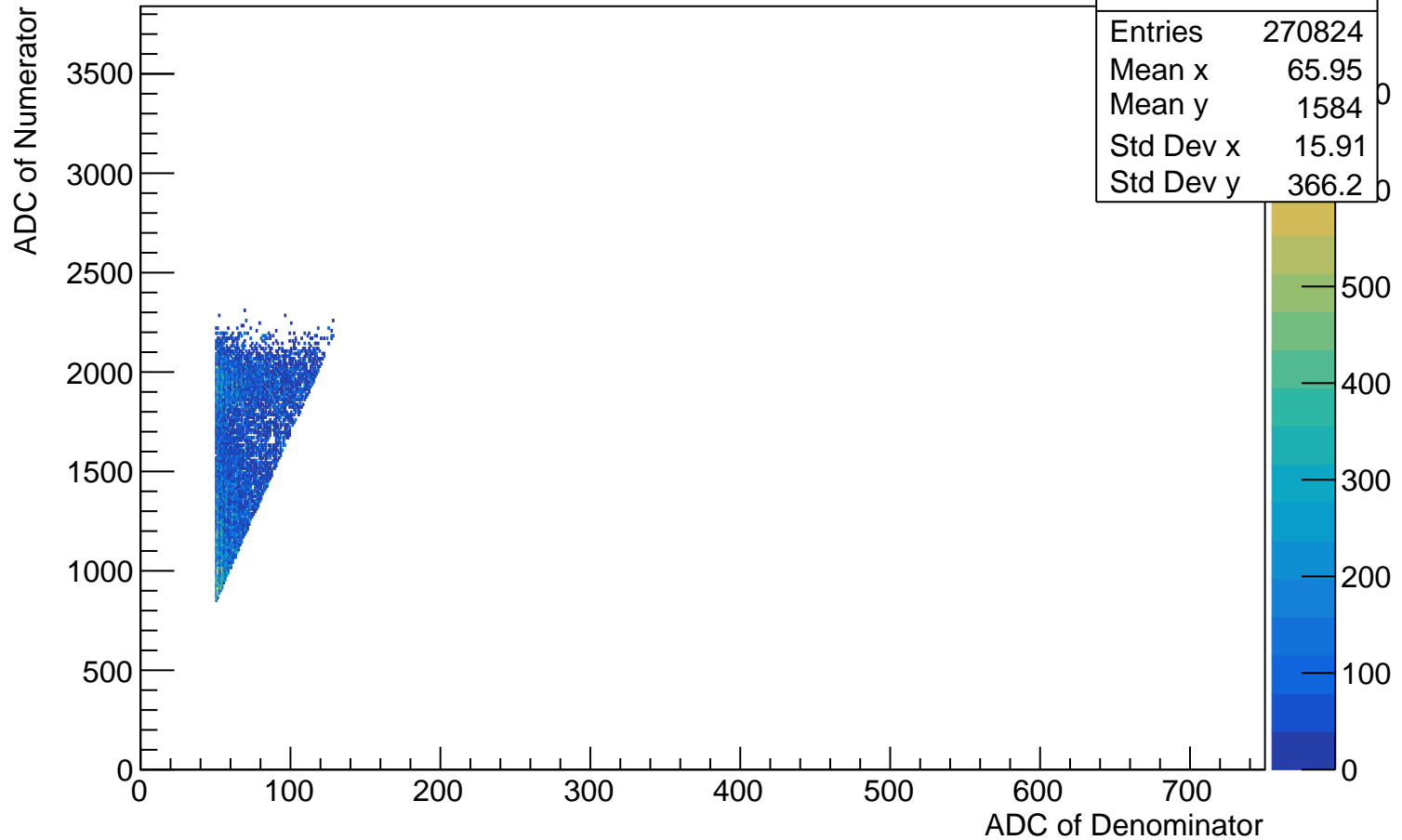
Std Dev 239.5

APV28 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

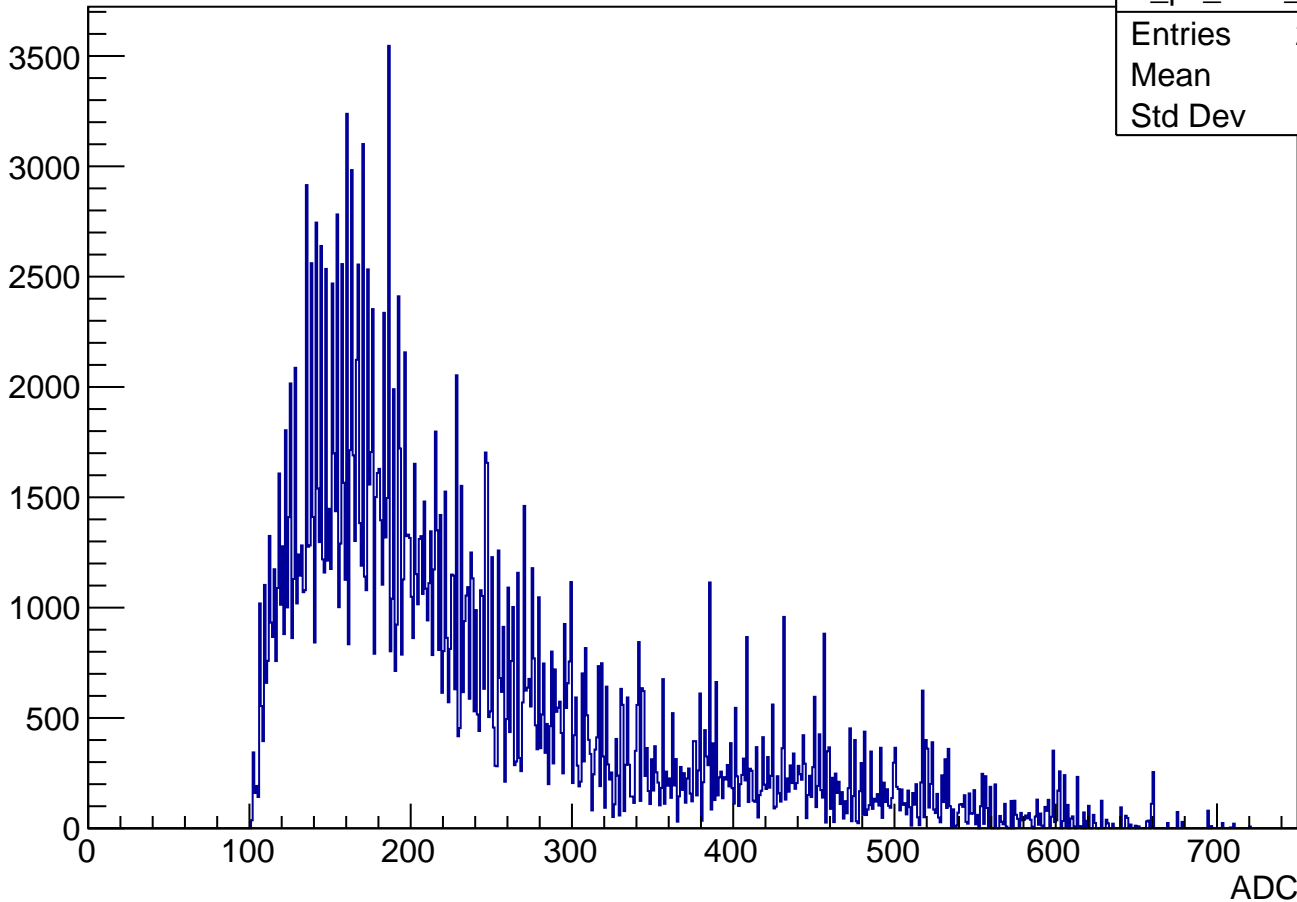


APV28 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500





Entries



h_px_ratio_mean4

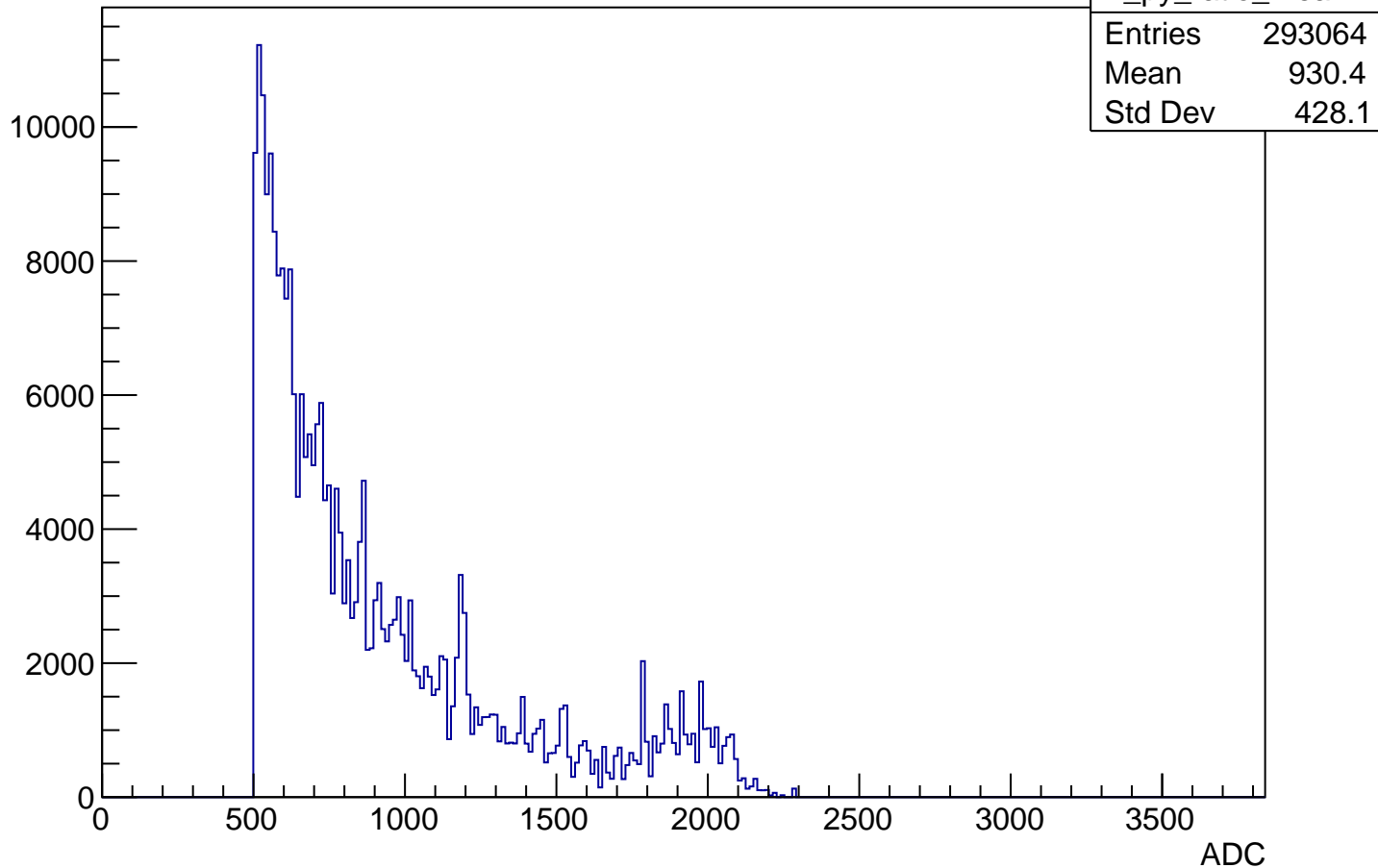
Entries 293064

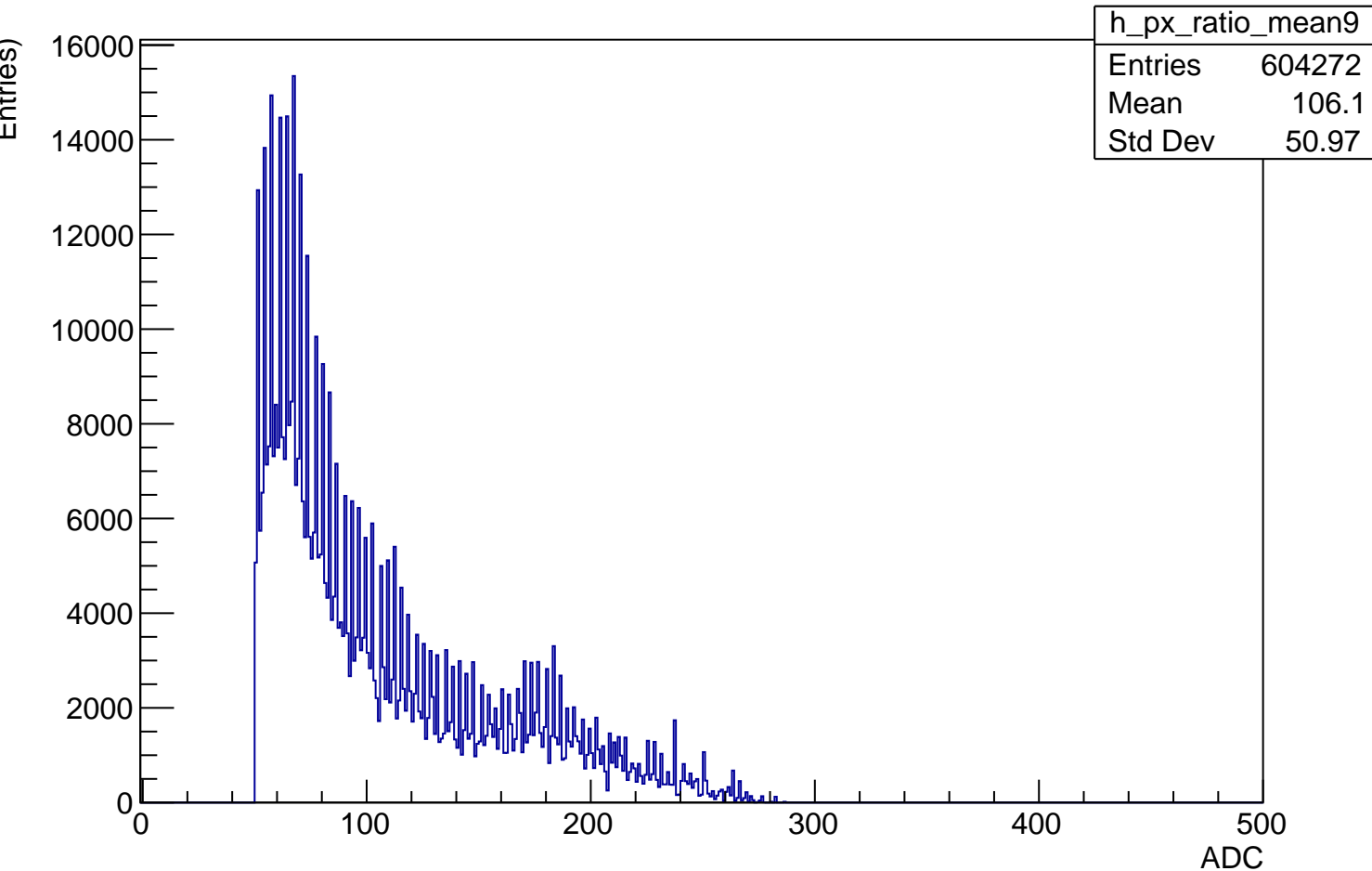
Mean 240

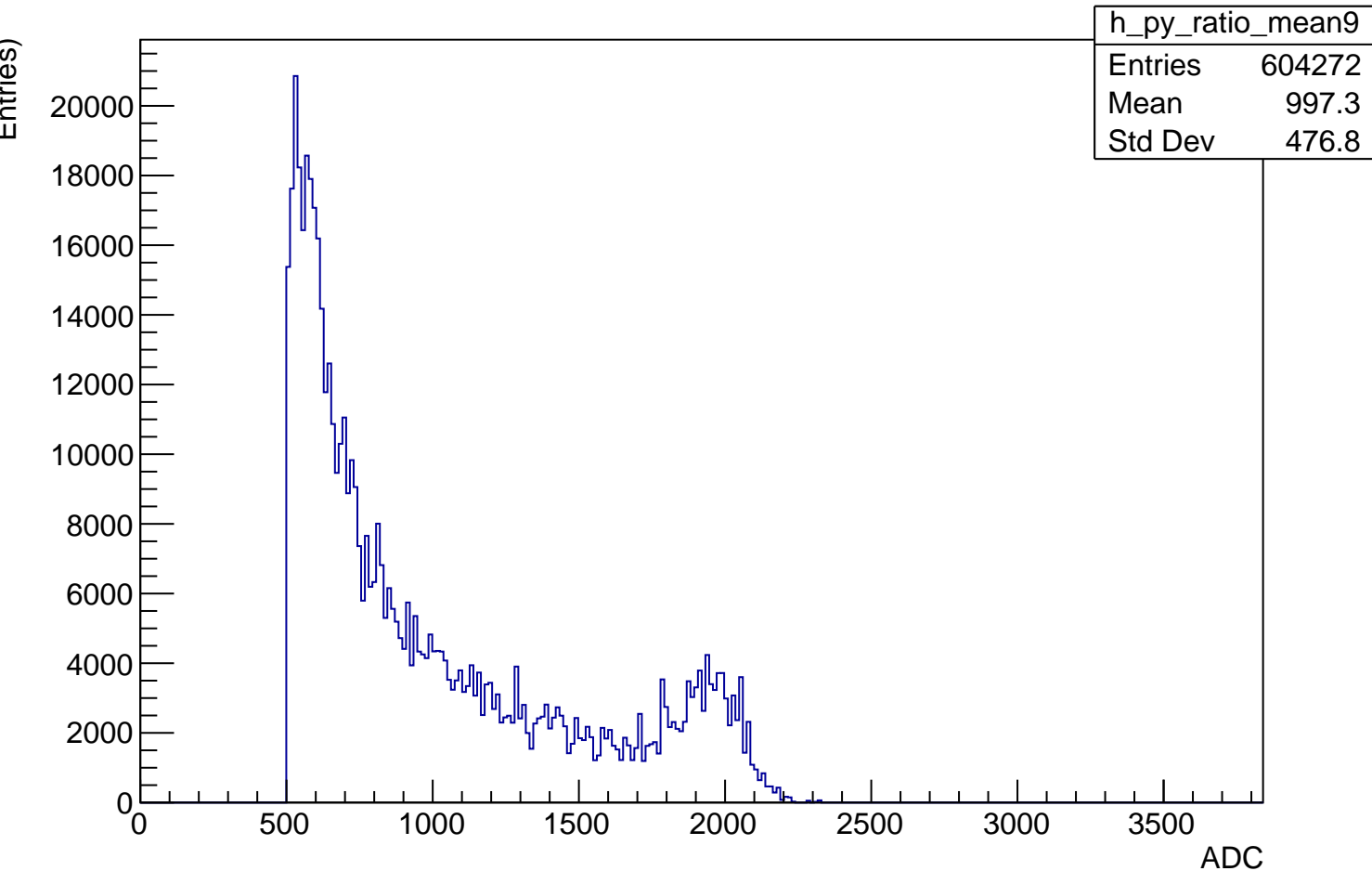
Std Dev 114.5

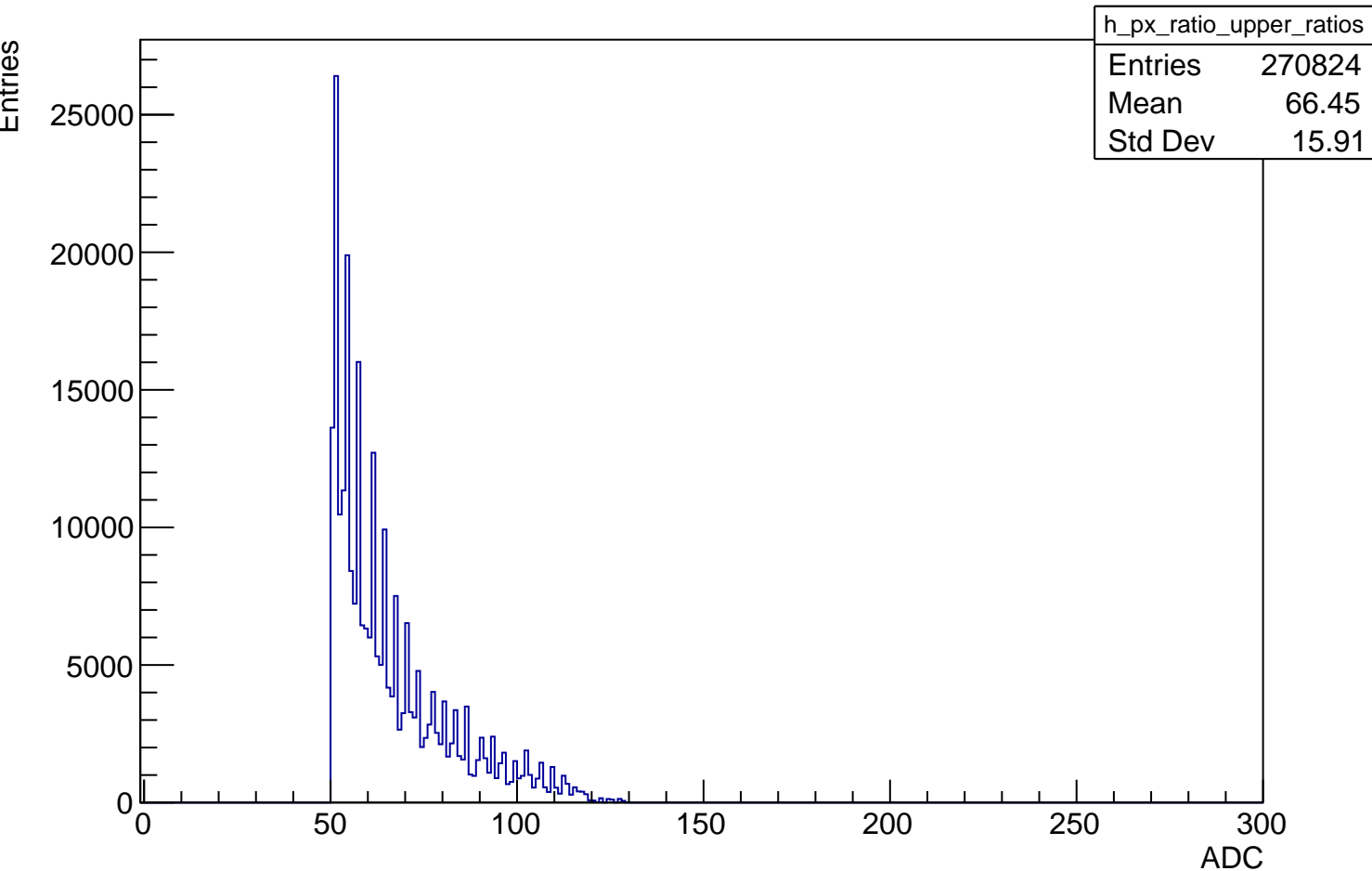
ADC

Entries

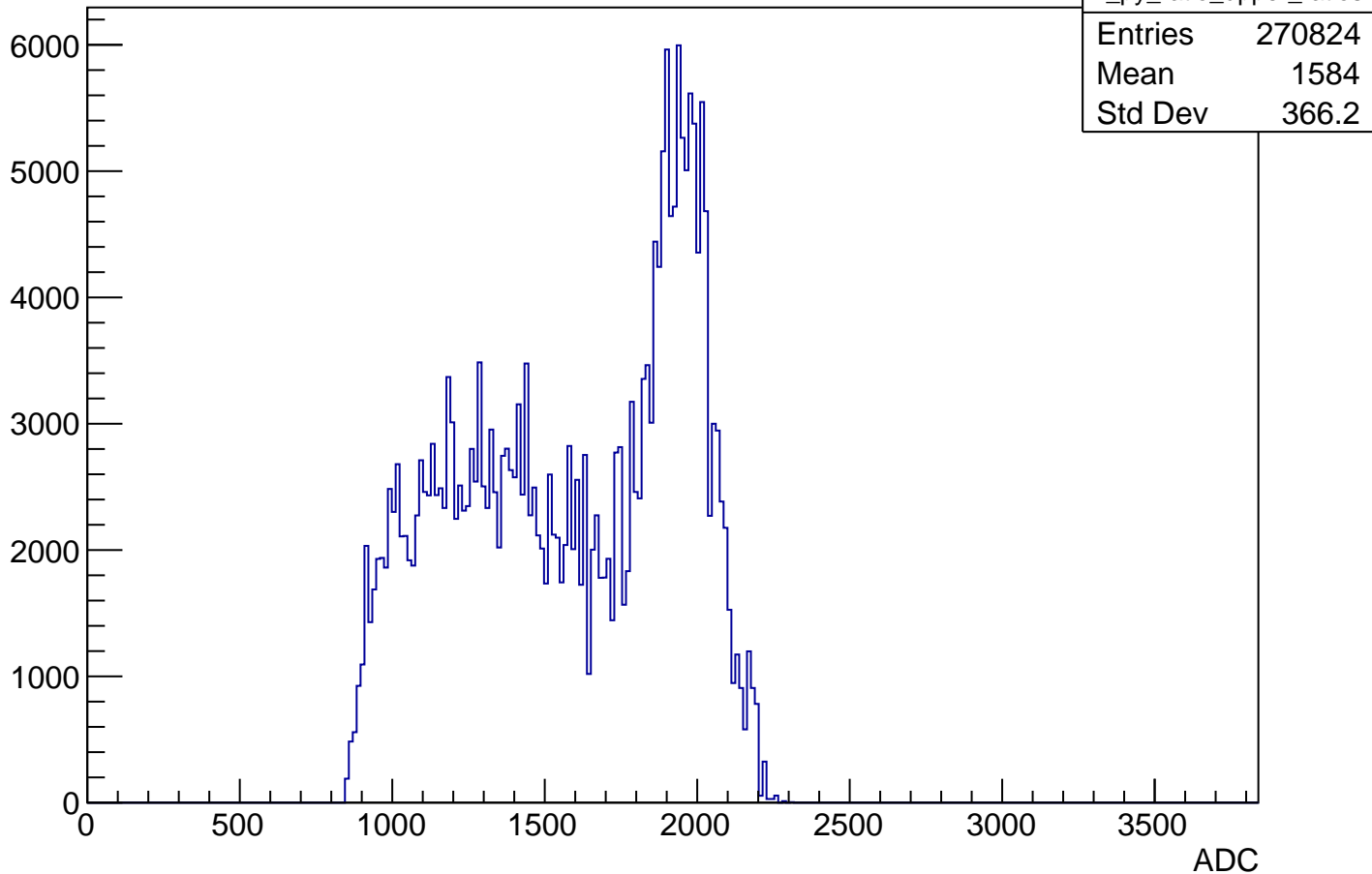




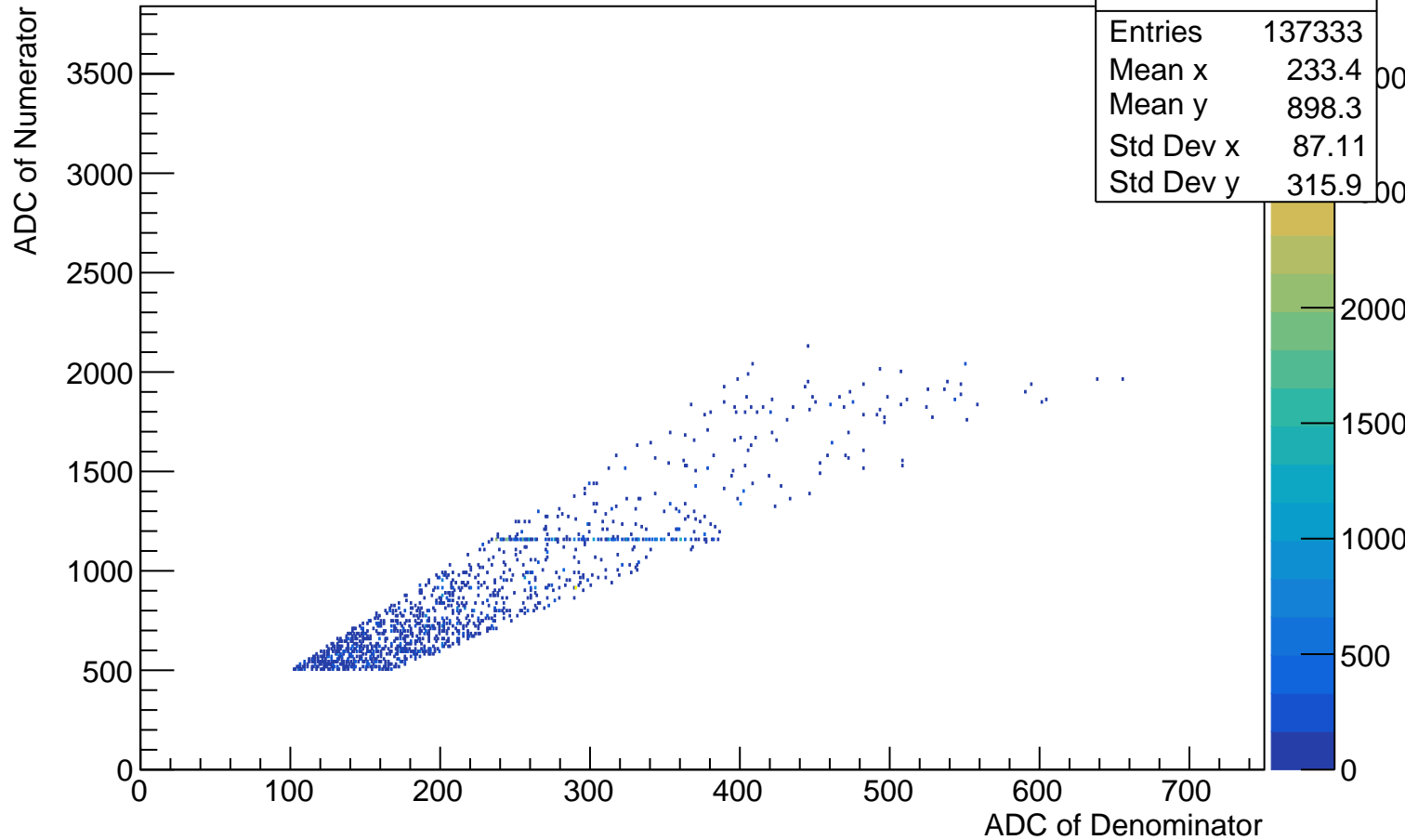




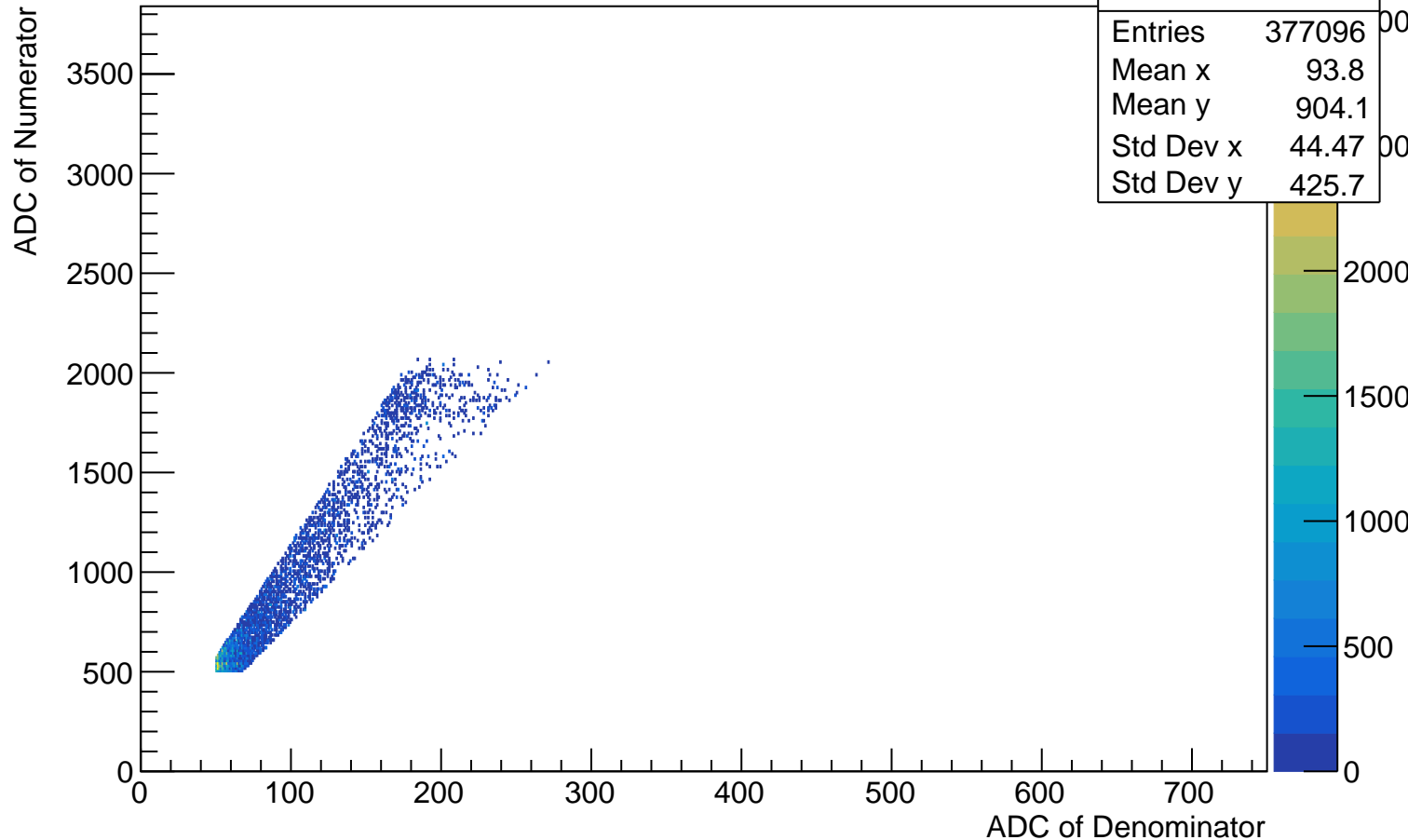
Entries

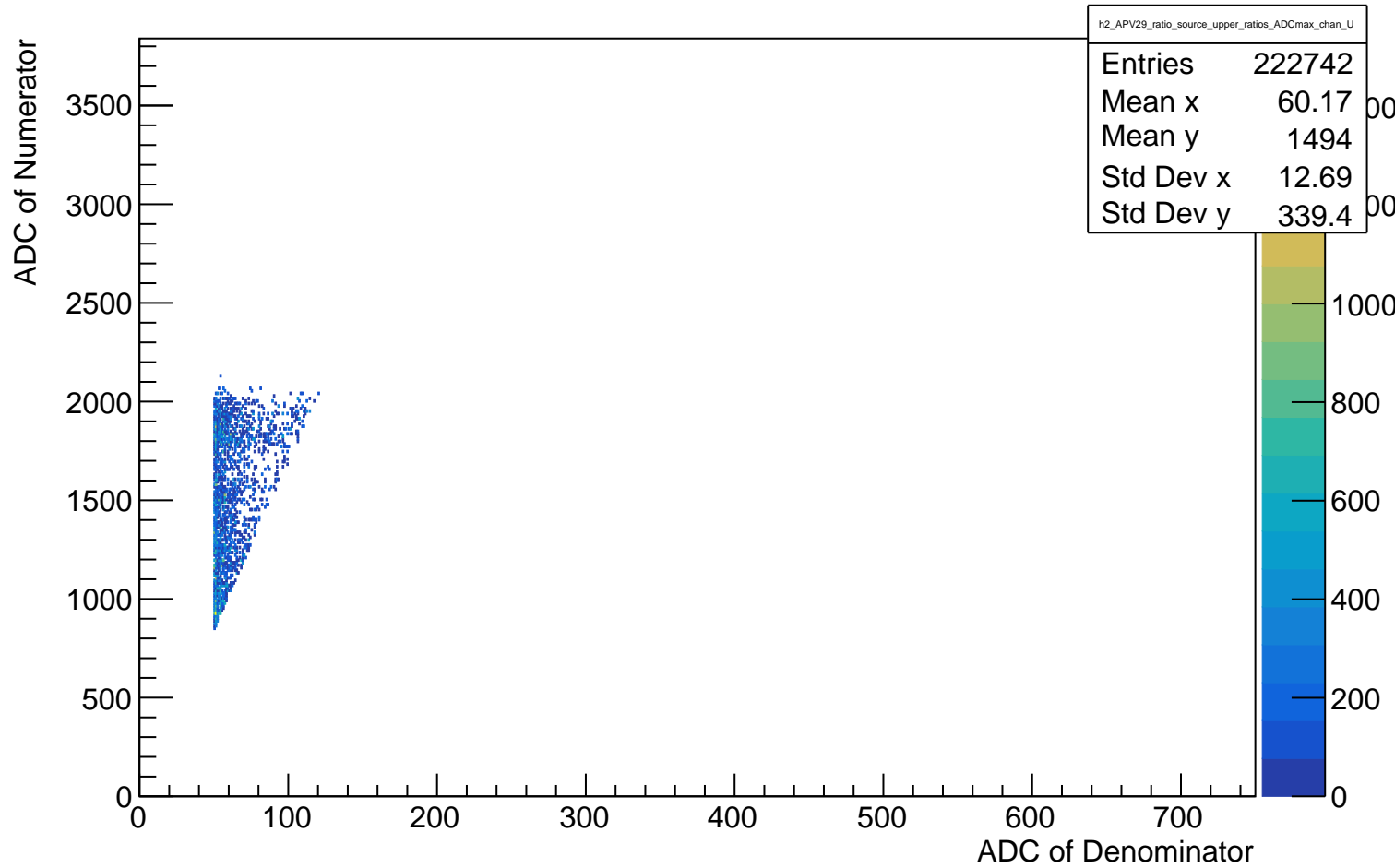


APV29 Ratio - Large ADC vs Smaller ADC for Ratios = 3 thru 5, Run: 11562, ADCcut = 500

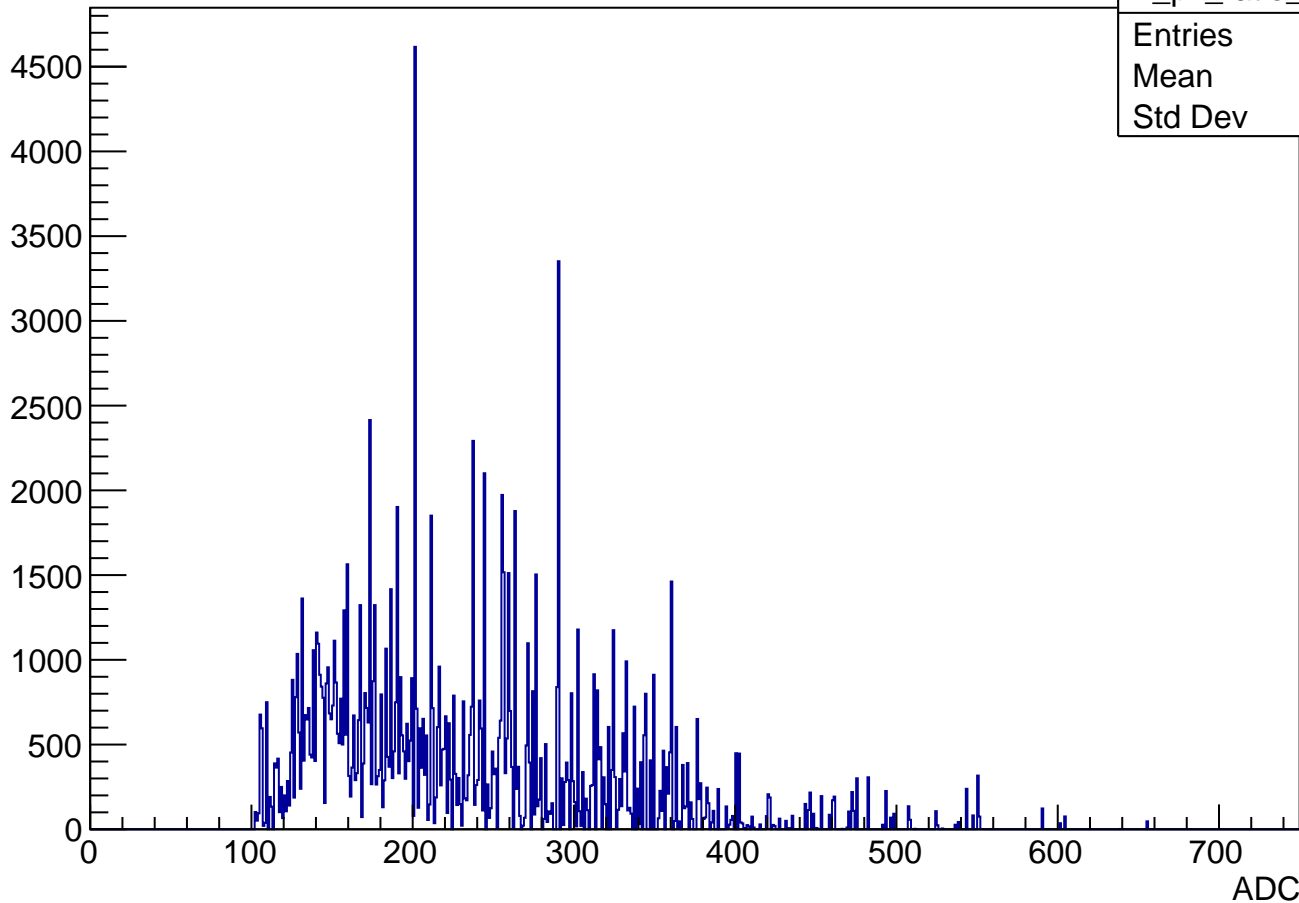


APV29 Ratio - Large ADC vs Smaller ADC for Ratios = 7.5 thru 11.5, Run: 11562, ADCcut = 500



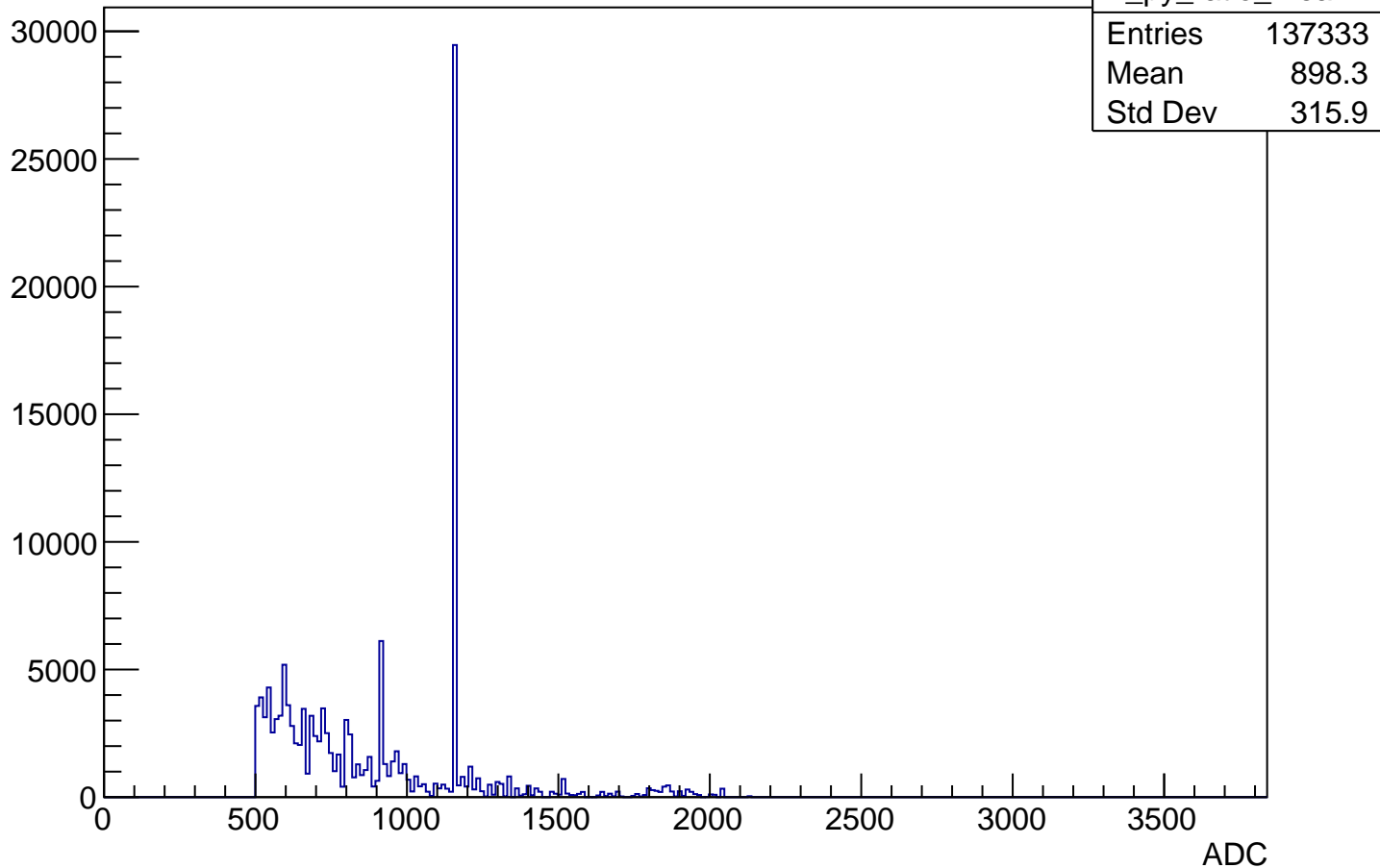


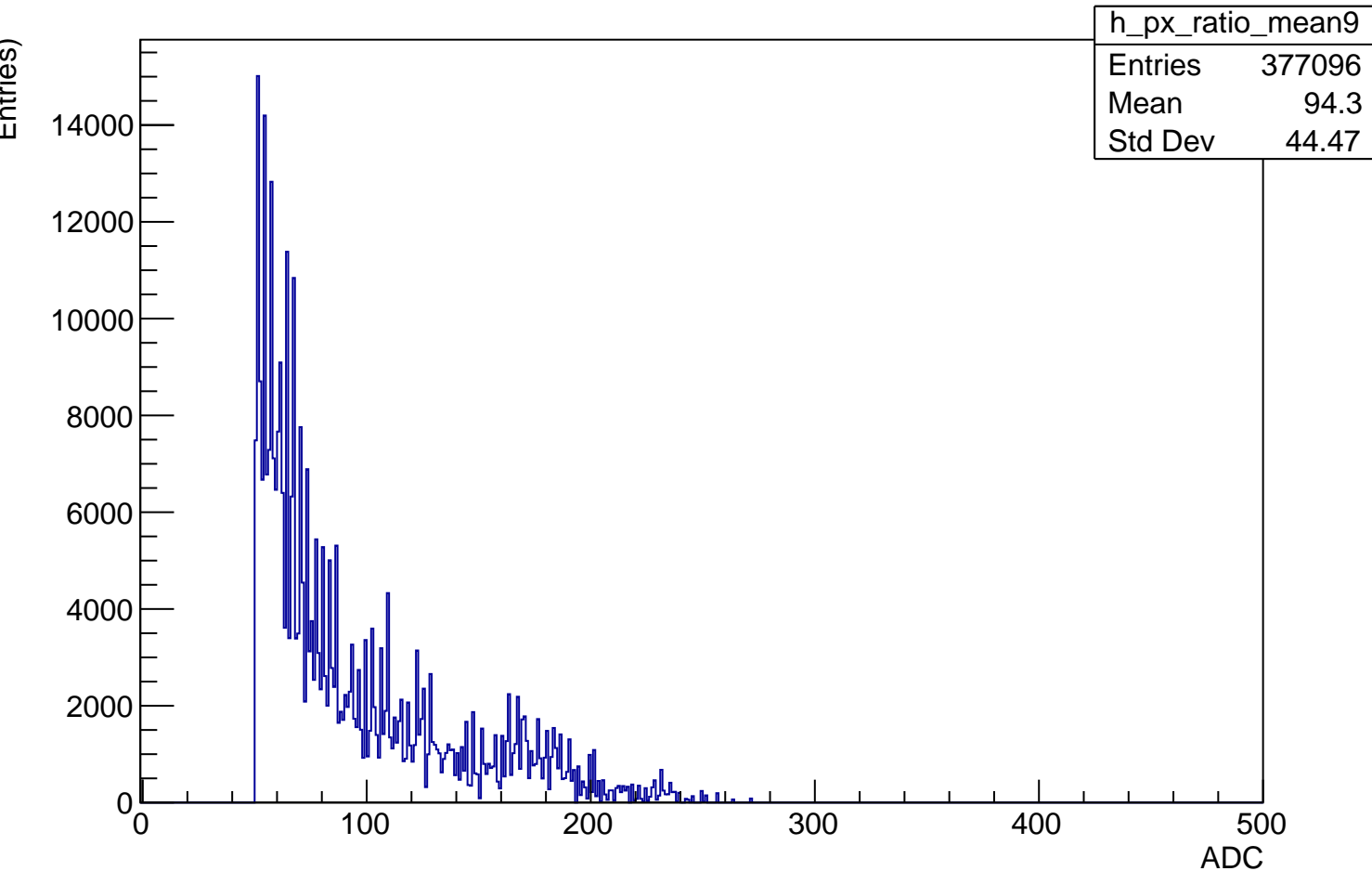
Entries

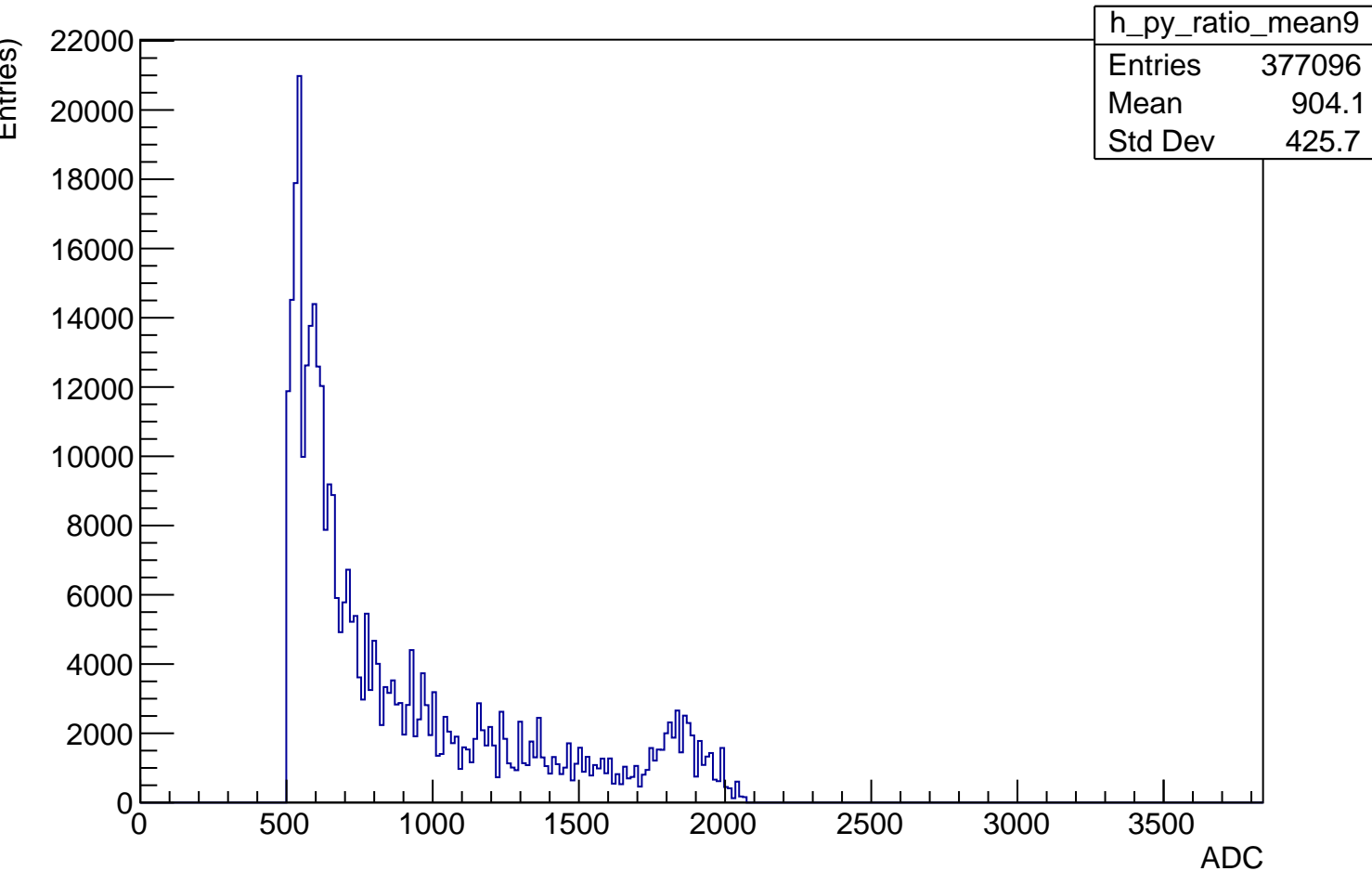


ADC

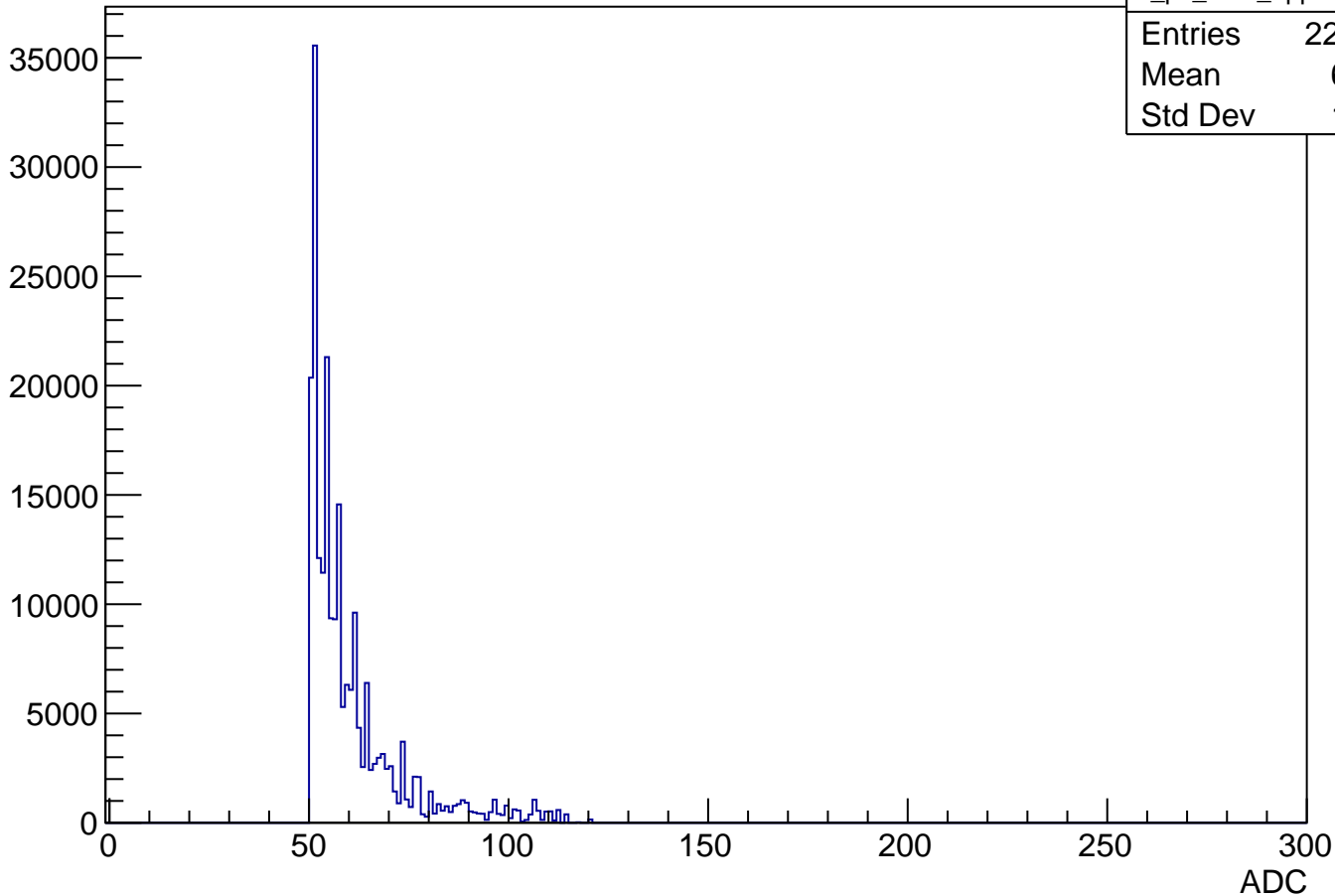
Entries



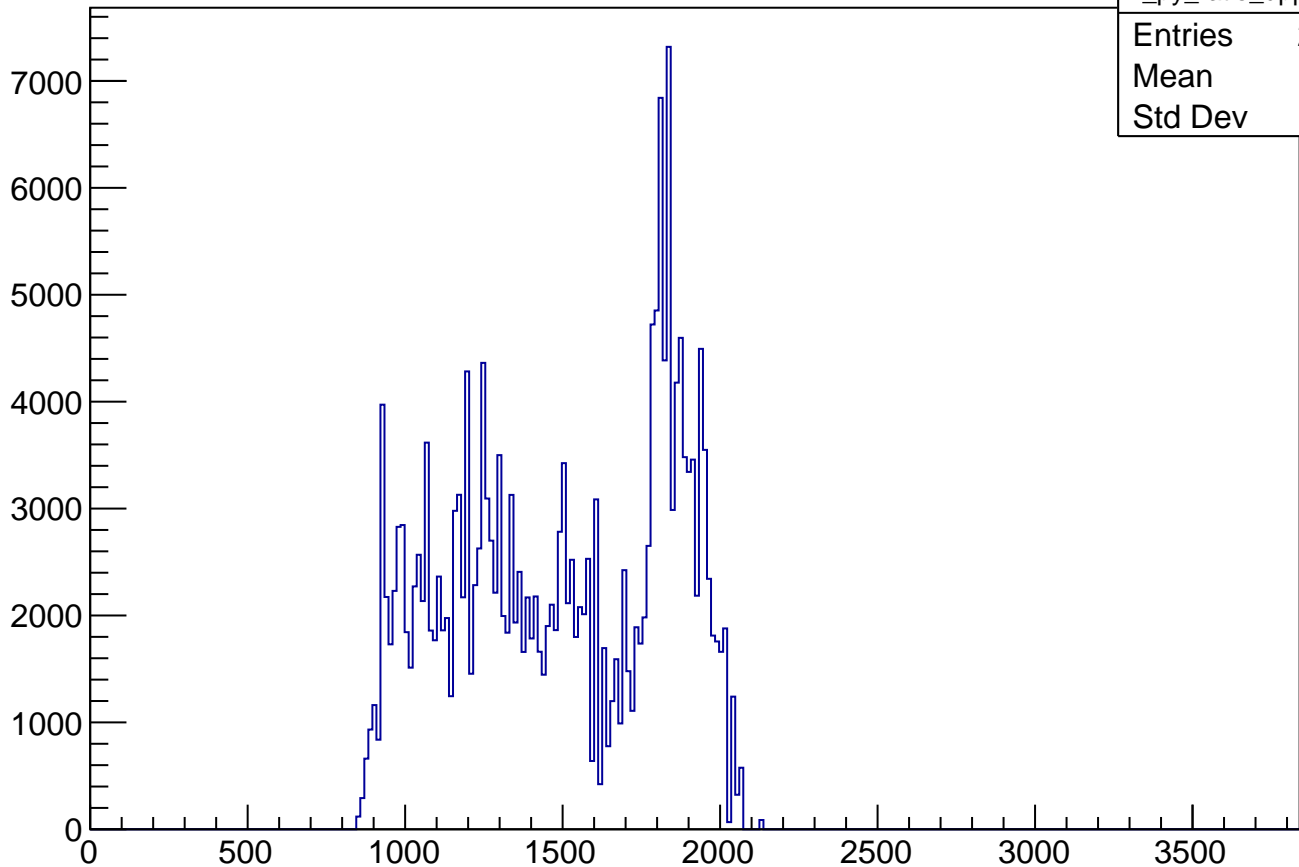




Entries



Entries



h_py_ratio_upper_ratios

Entries 222742

Mean 1494

Std Dev 339.4

ADC