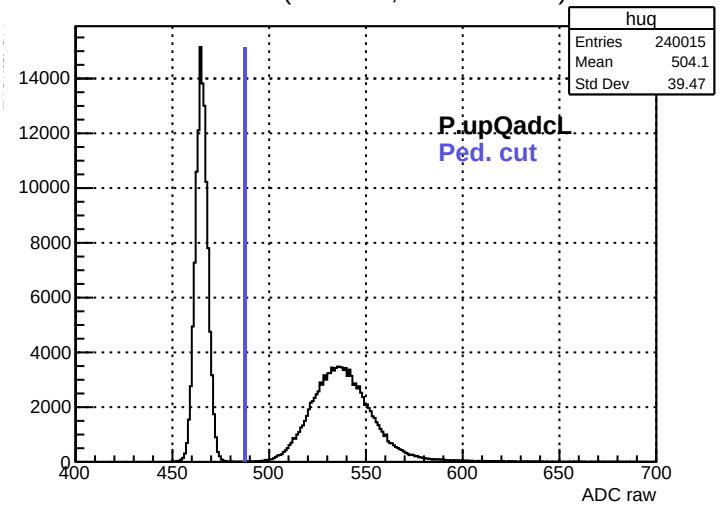
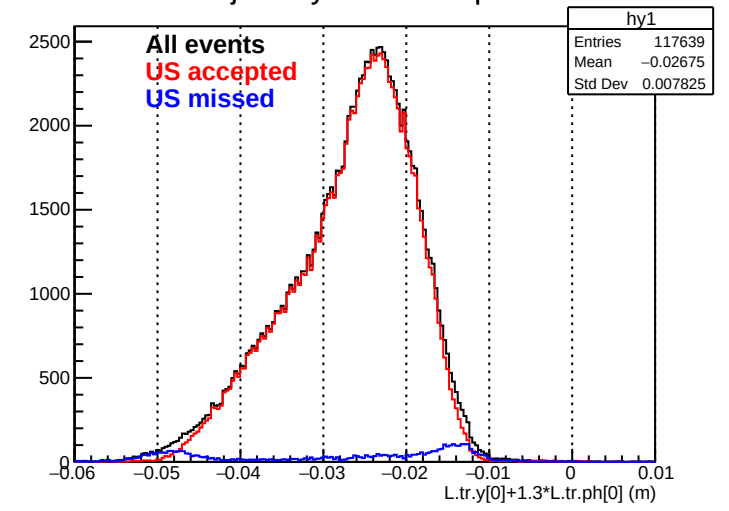
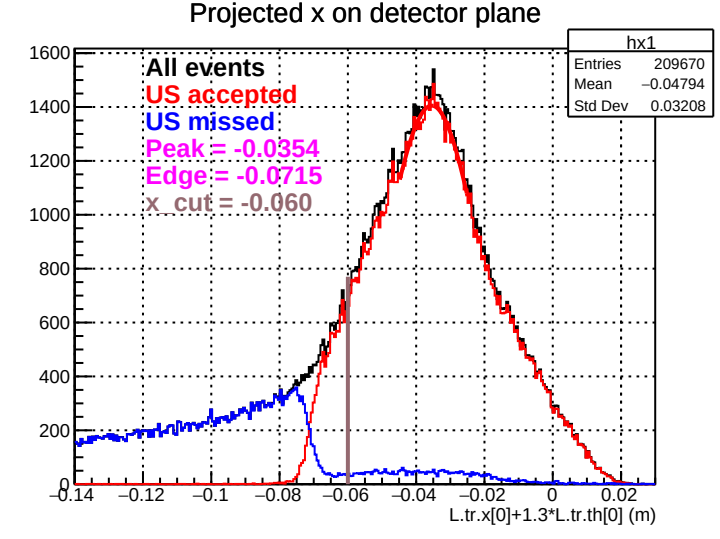
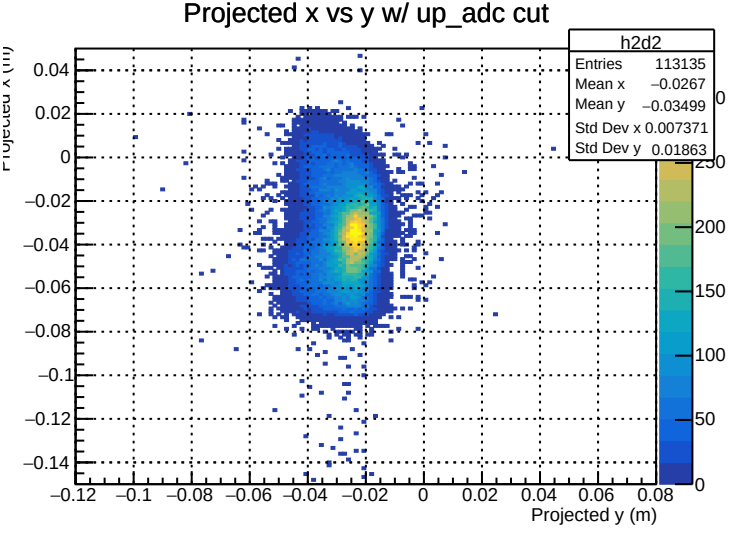
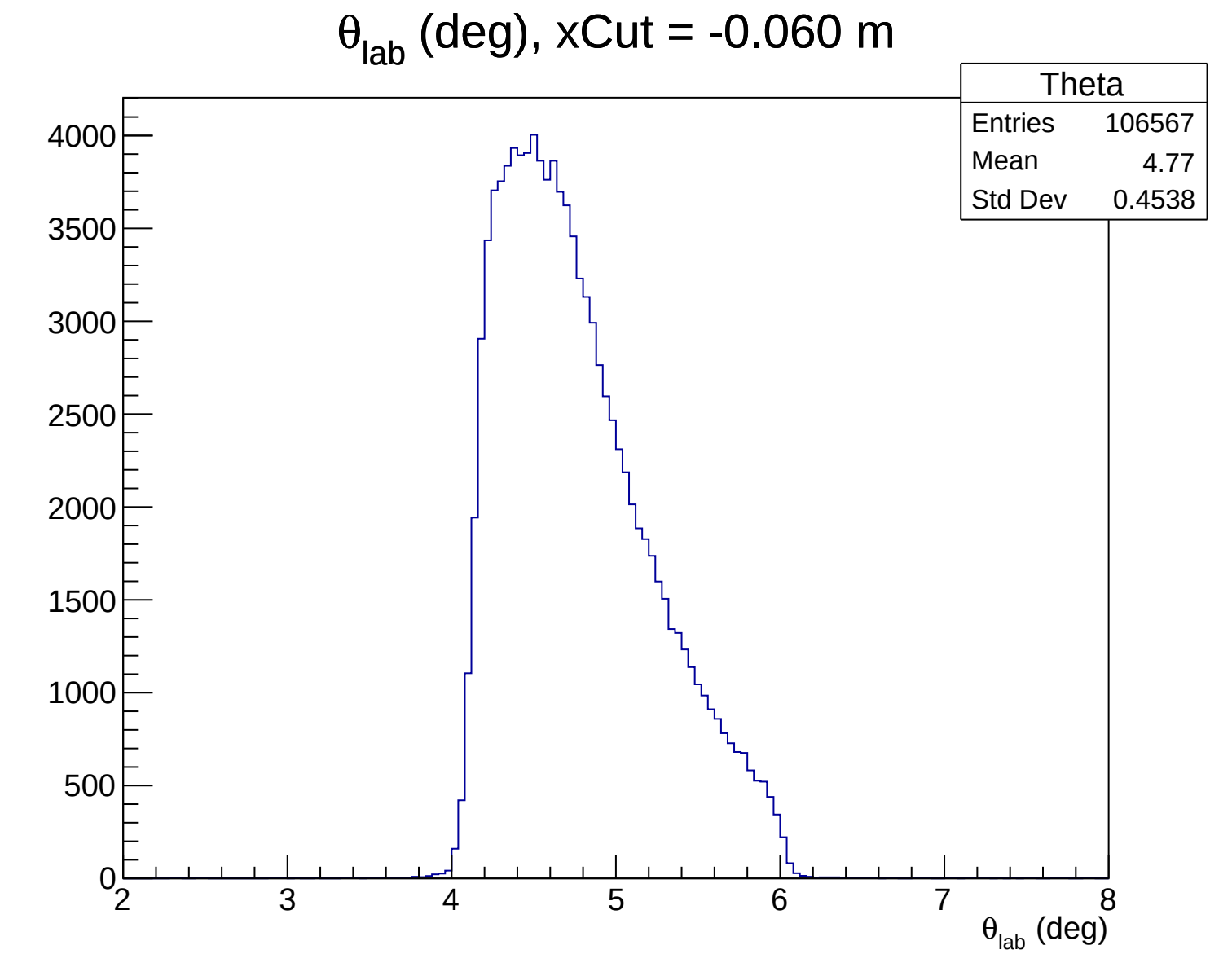
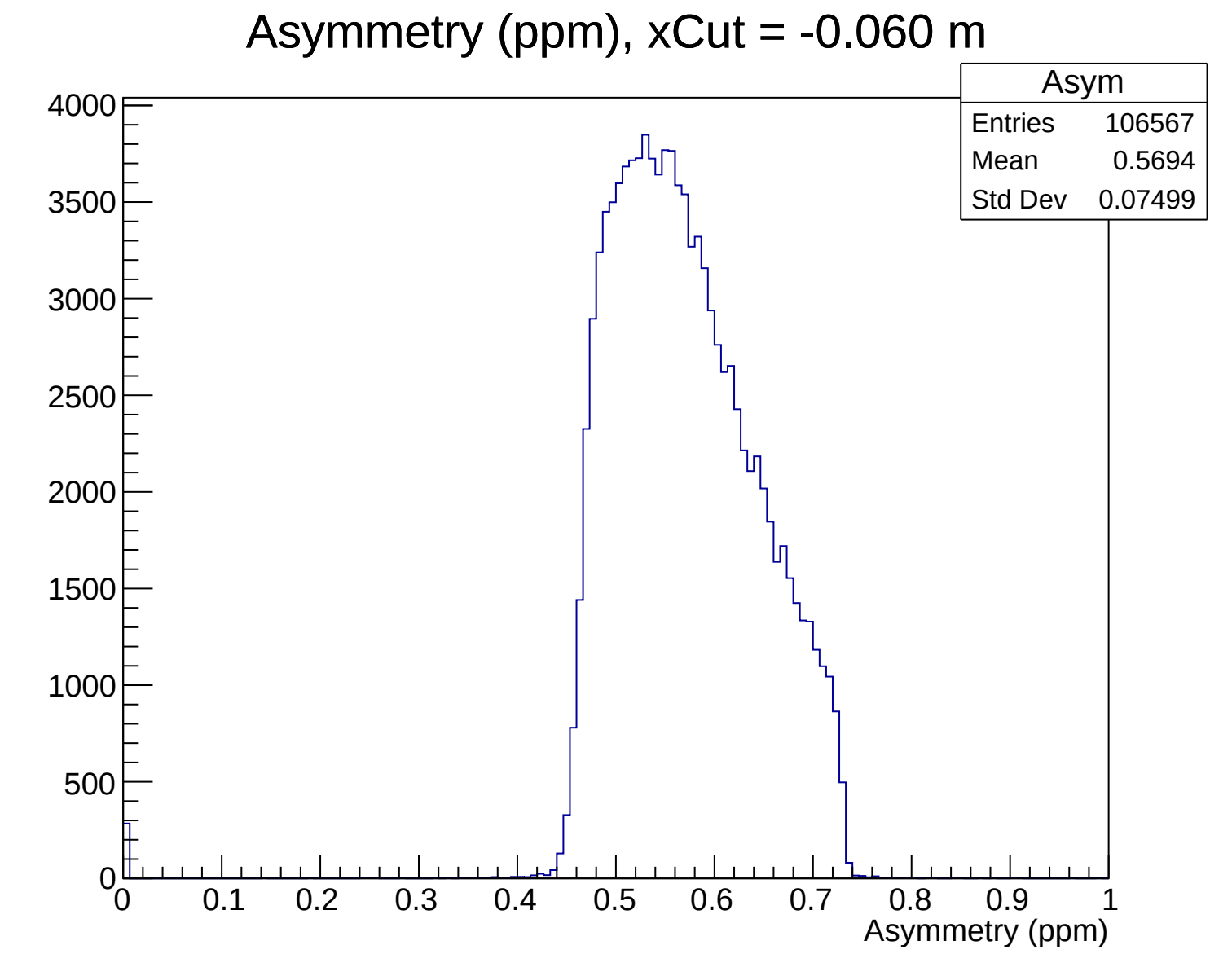

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

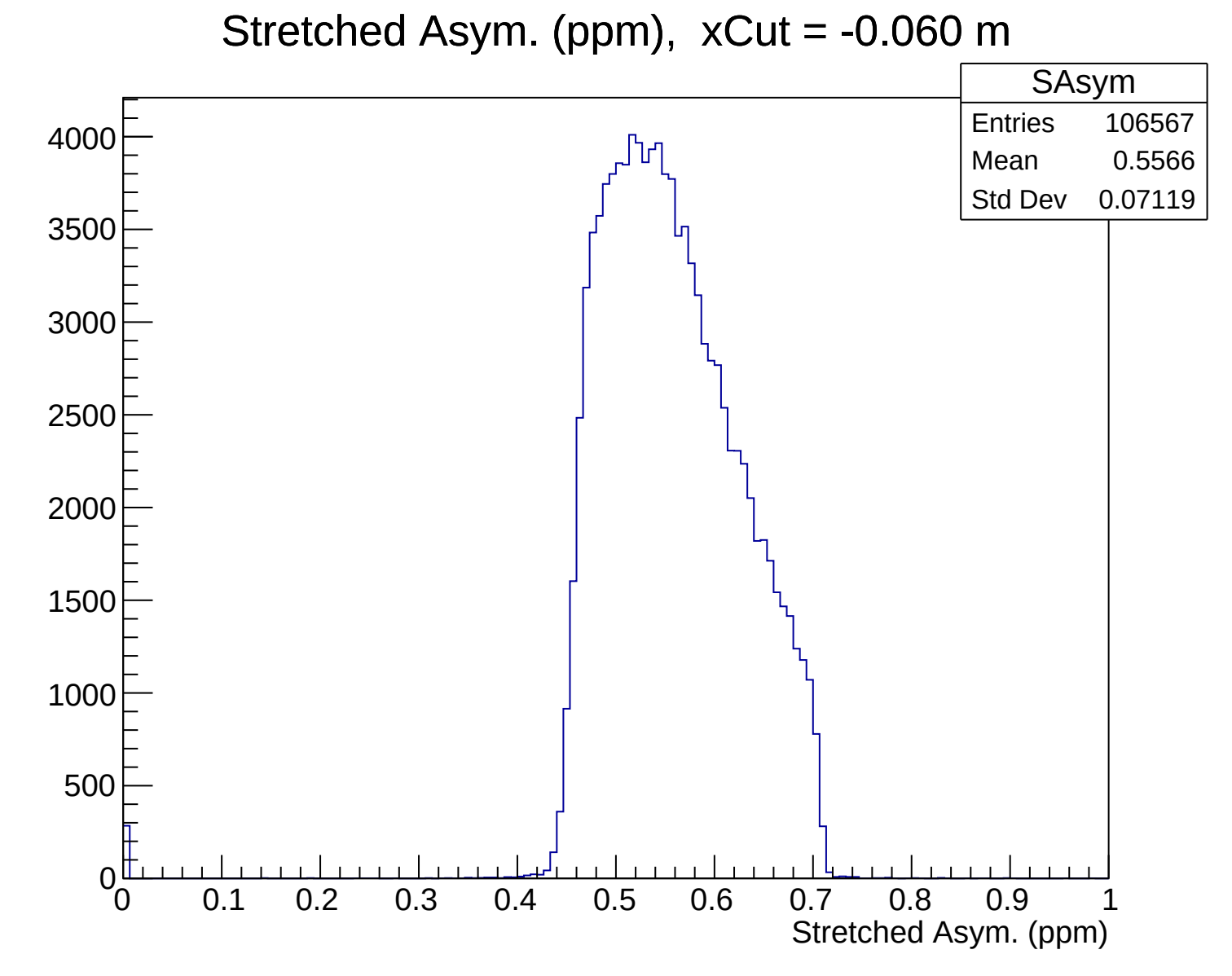

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

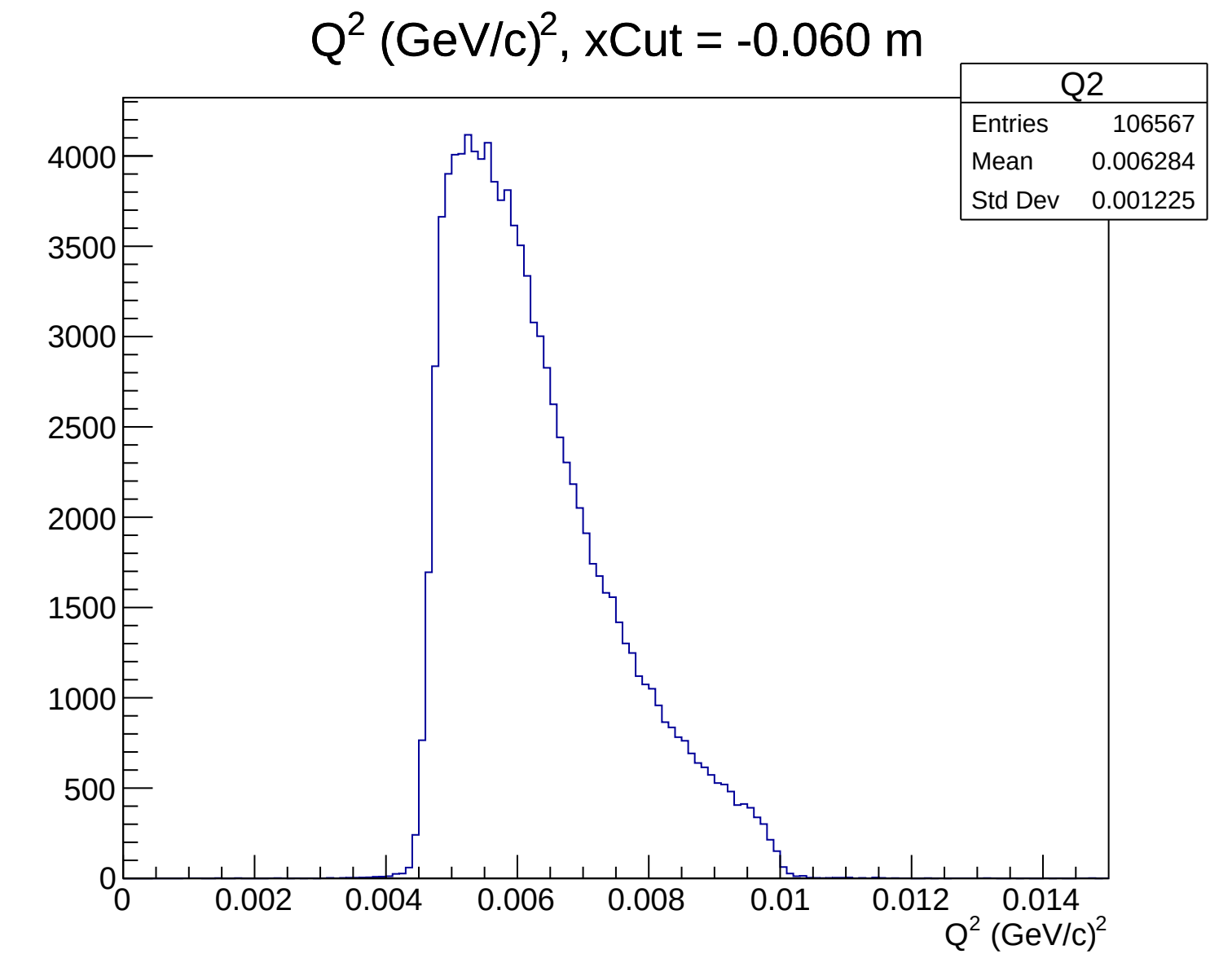

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

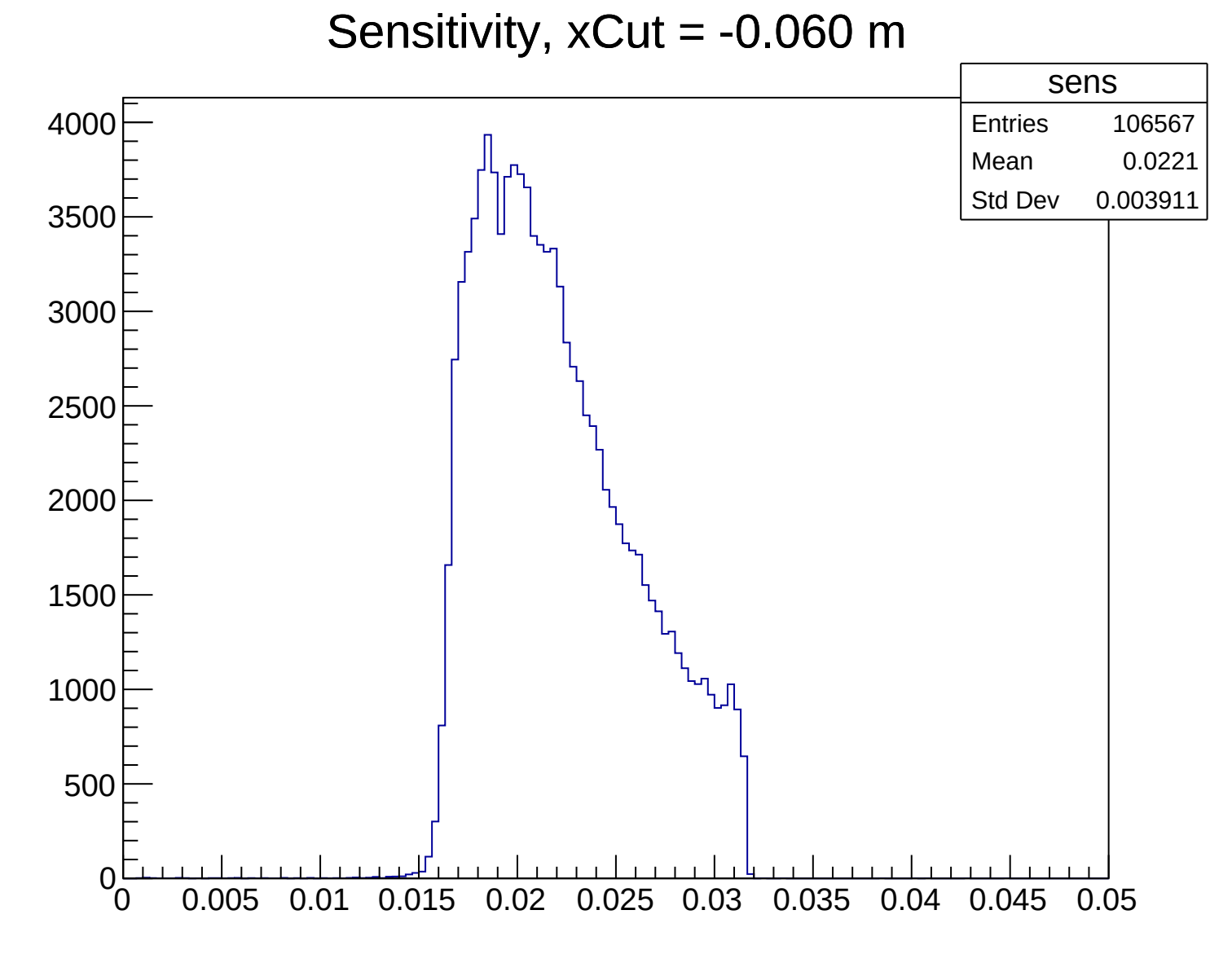

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

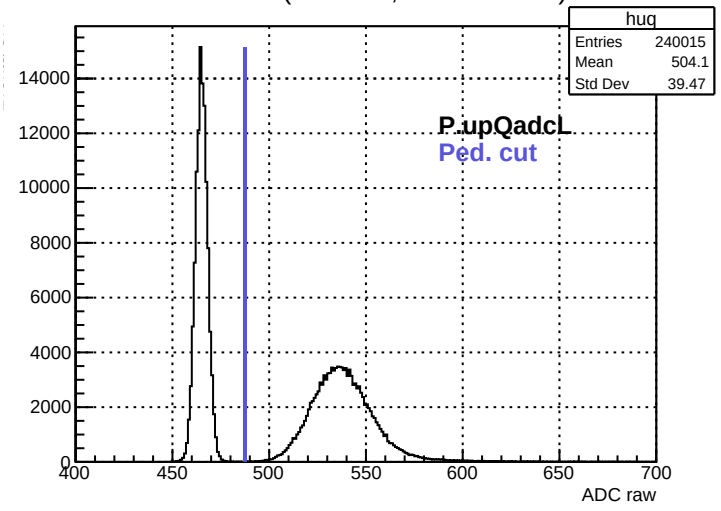

θlab (deg), xCut = -0.060 m
Theta
Entries 106567
Mean 4.77
Std Dev 0.4538
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

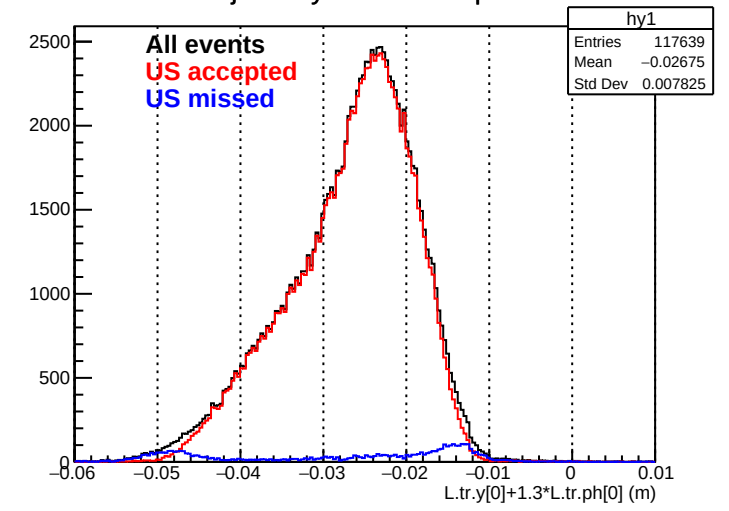

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 106567
Mean 0.5694
Std Dev 0.07499
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

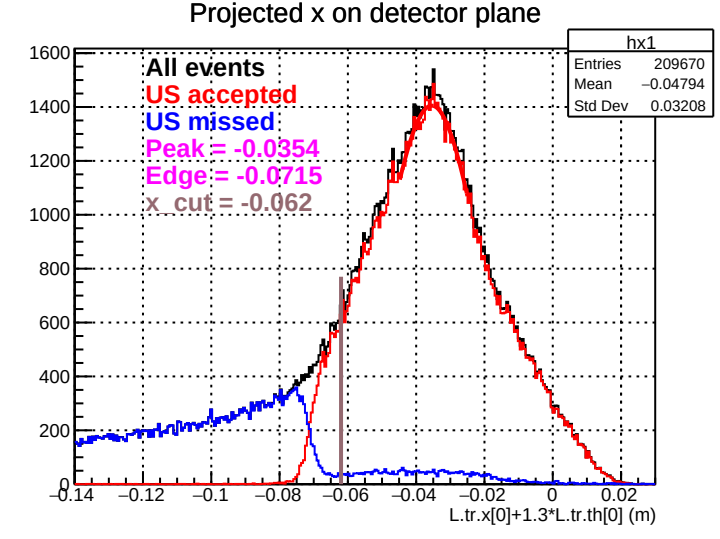

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 106567
Mean 0.5566
Std Dev 0.07119
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

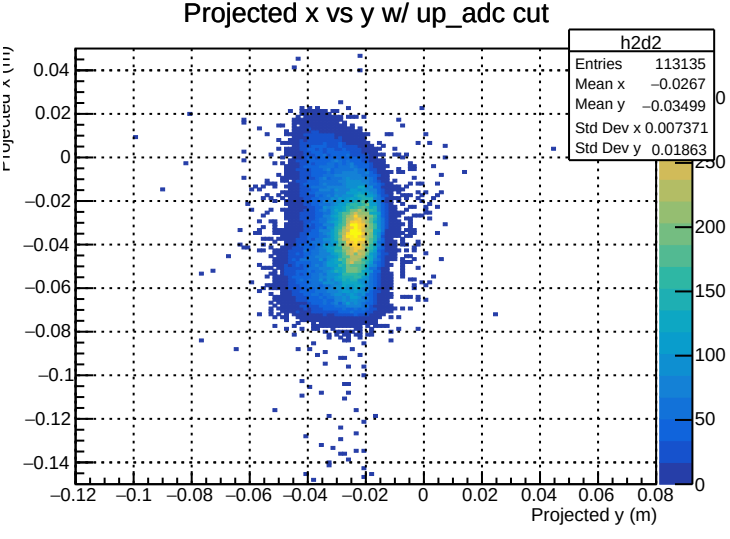

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 106567
Mean 0.006284
Std Dev 0.001225
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

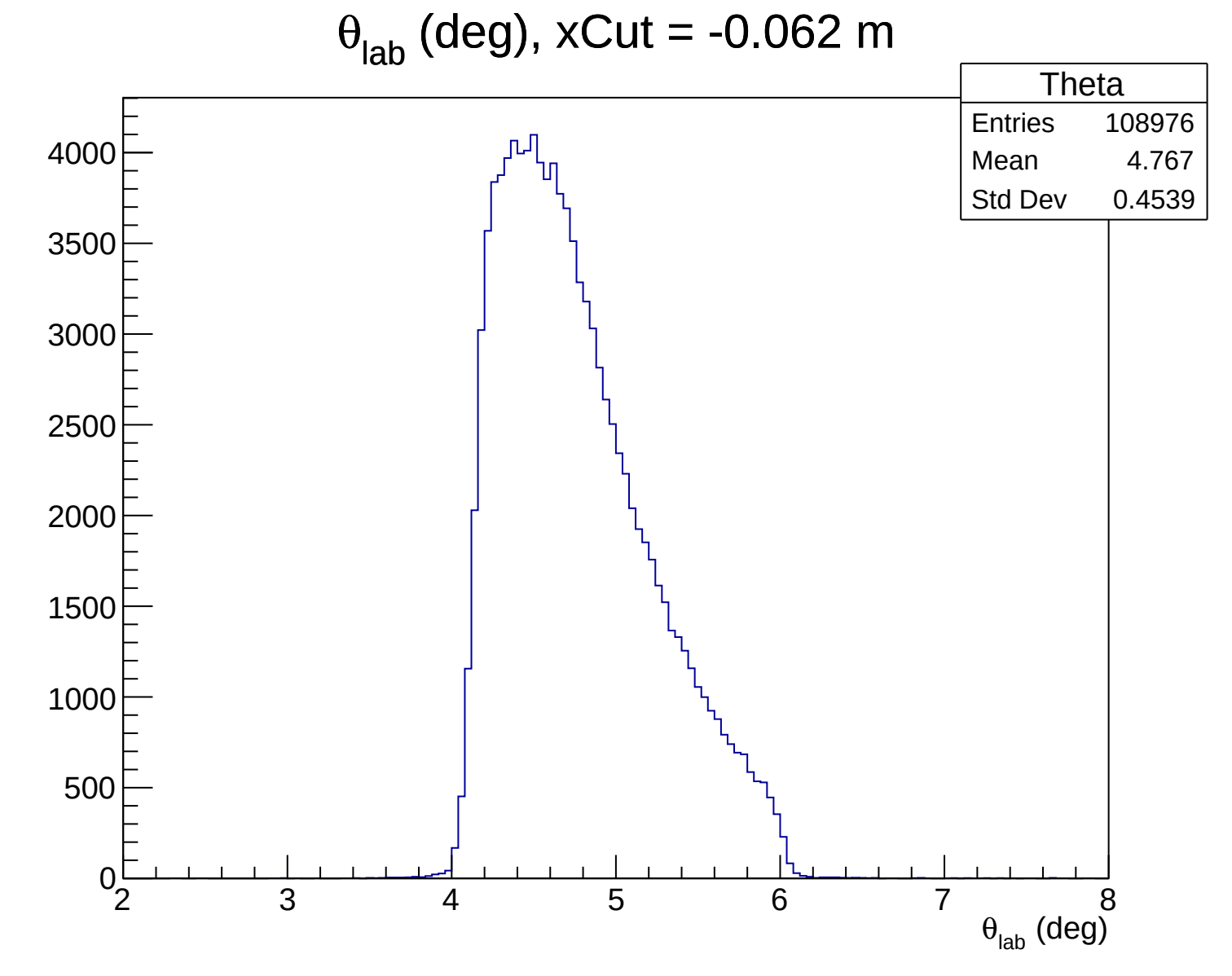

Sensitivity, xCut = -0.060 m
sens
Entries 106567
Mean 0.0221
Std Dev 0.003911
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

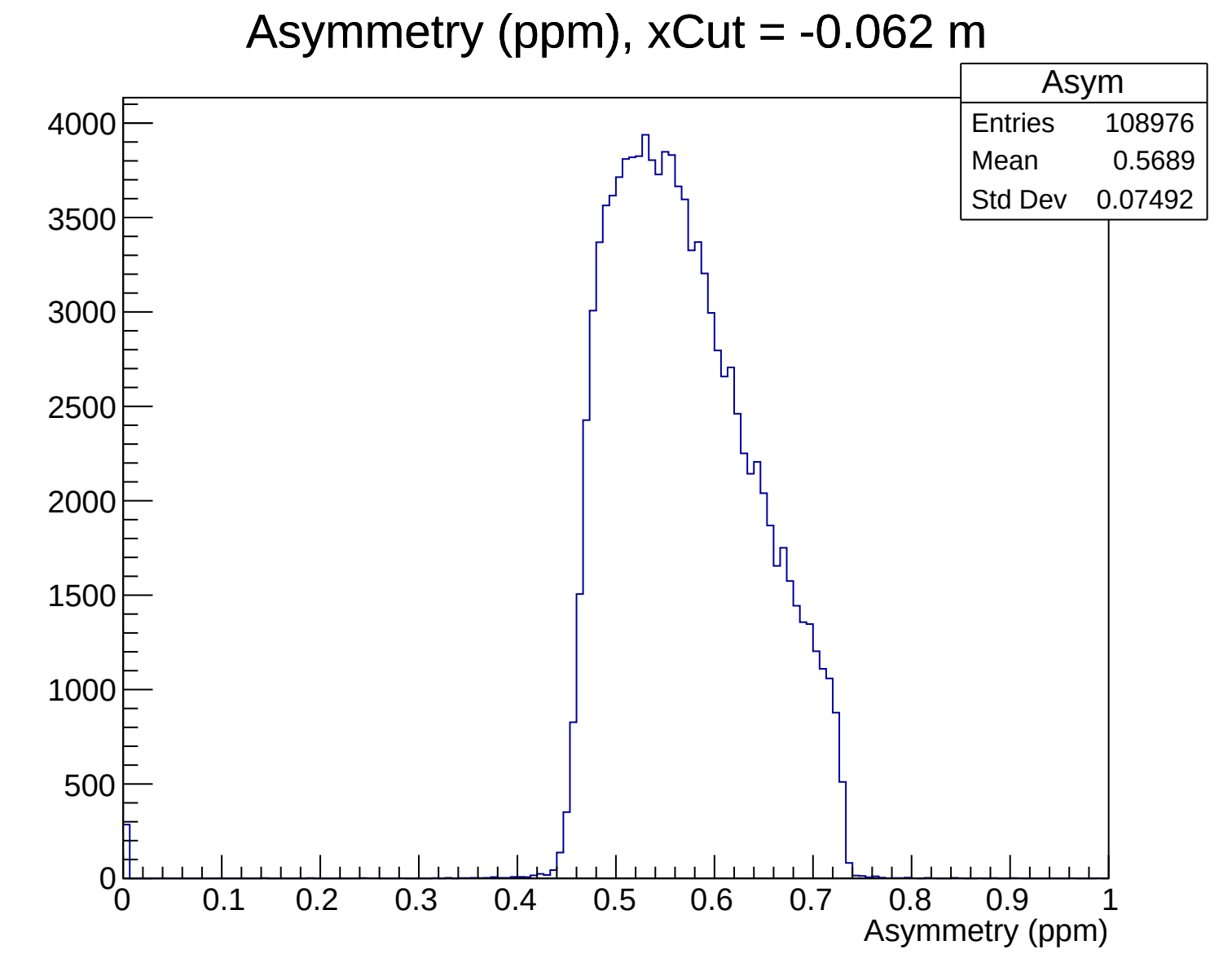

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

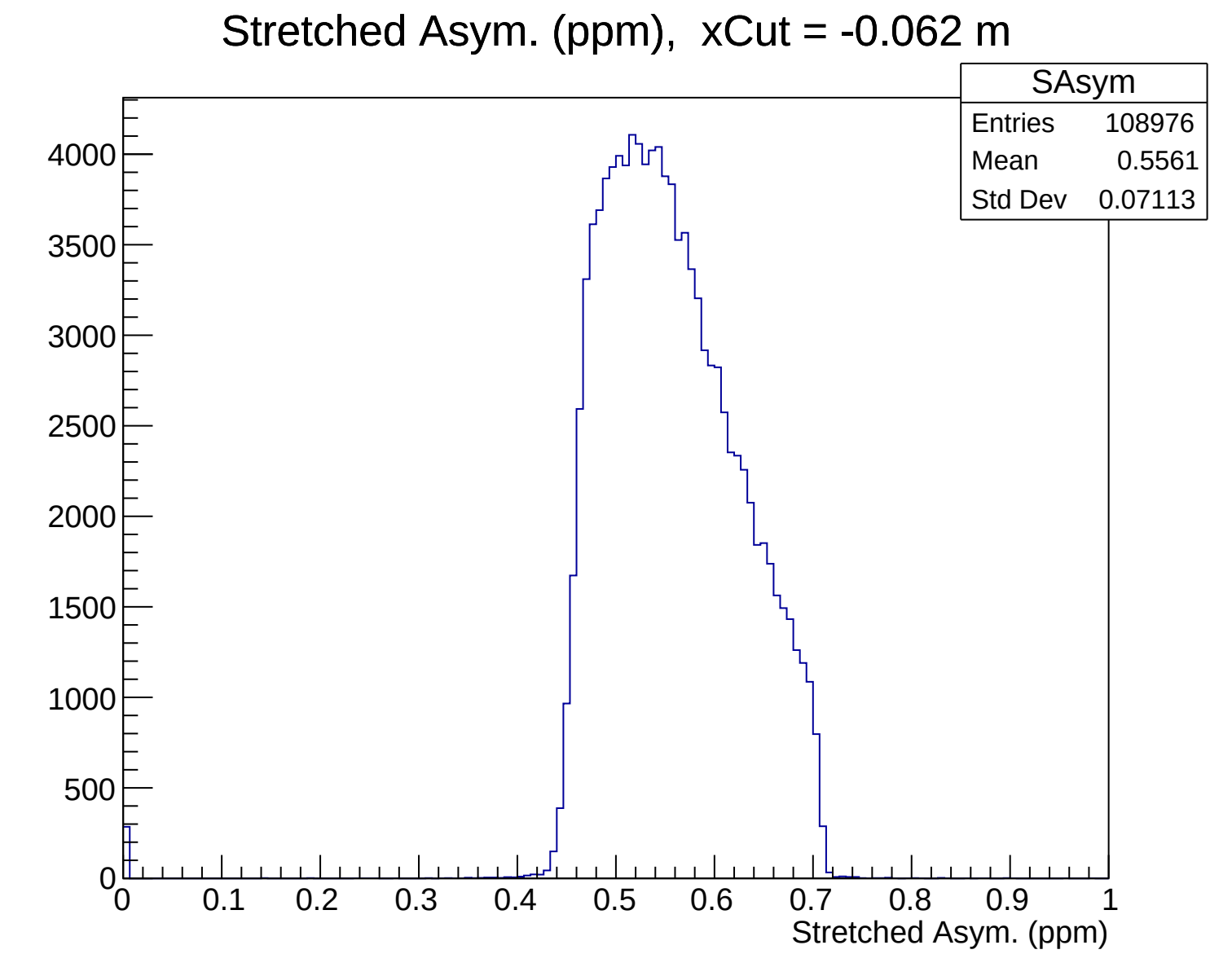

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

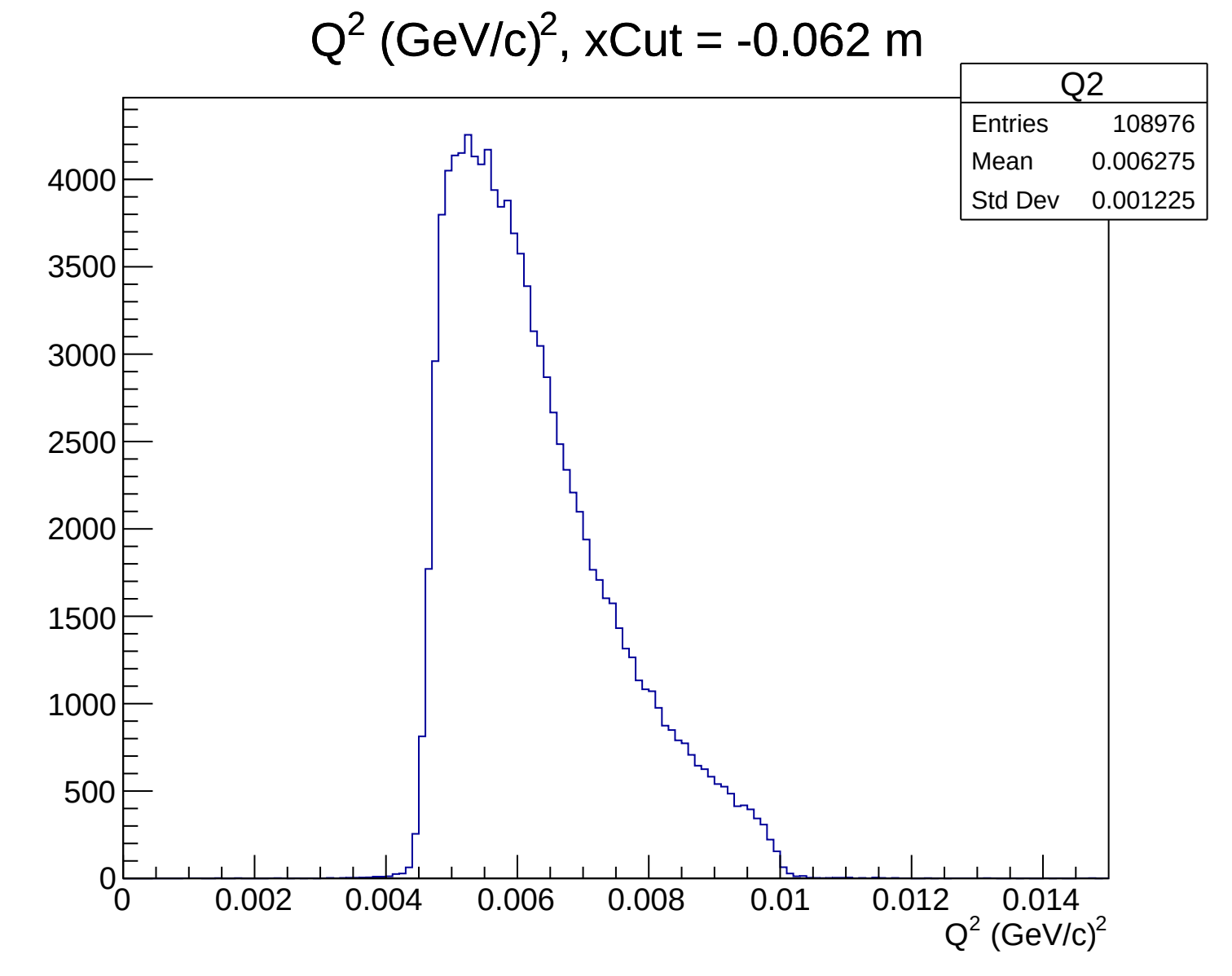

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

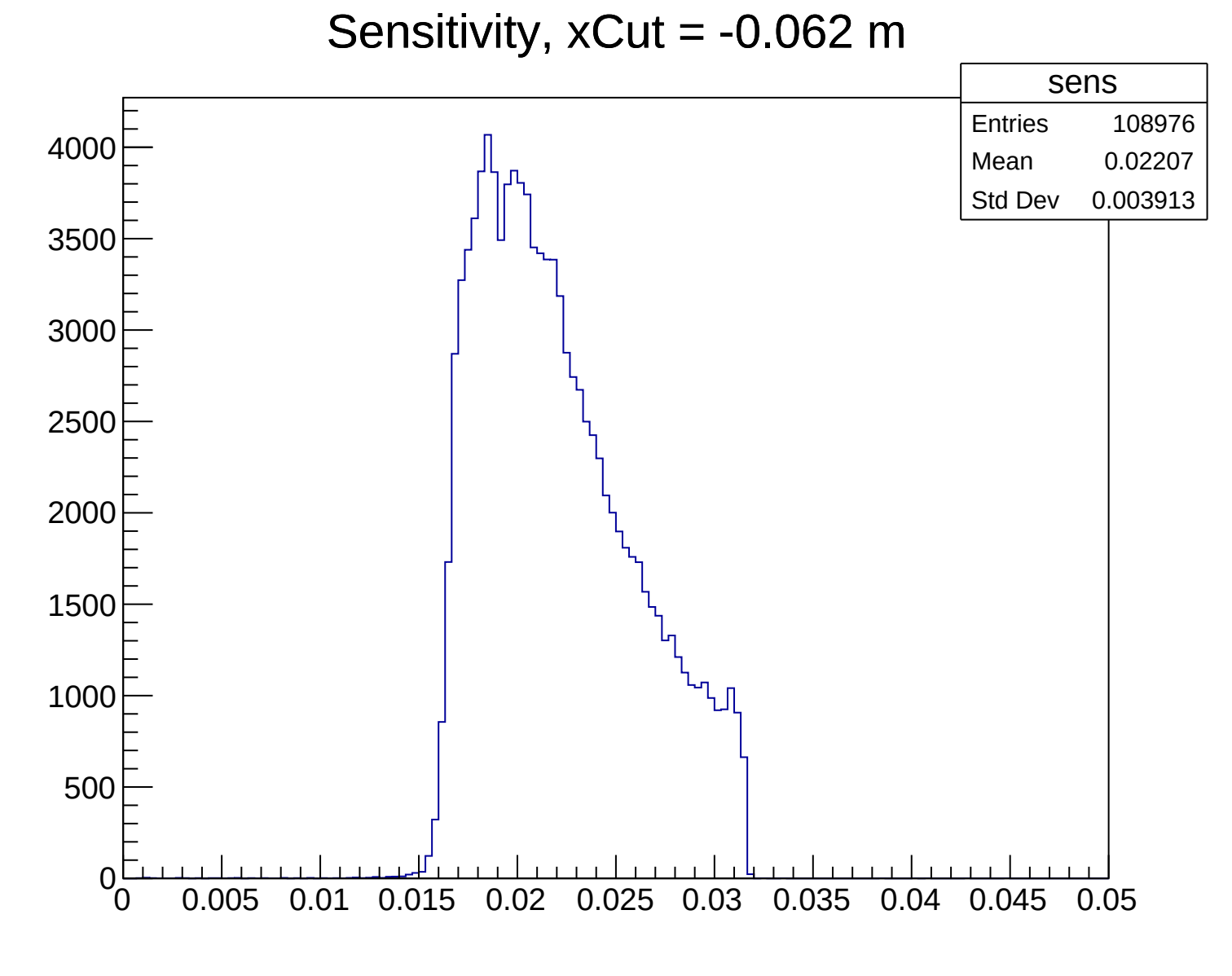

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

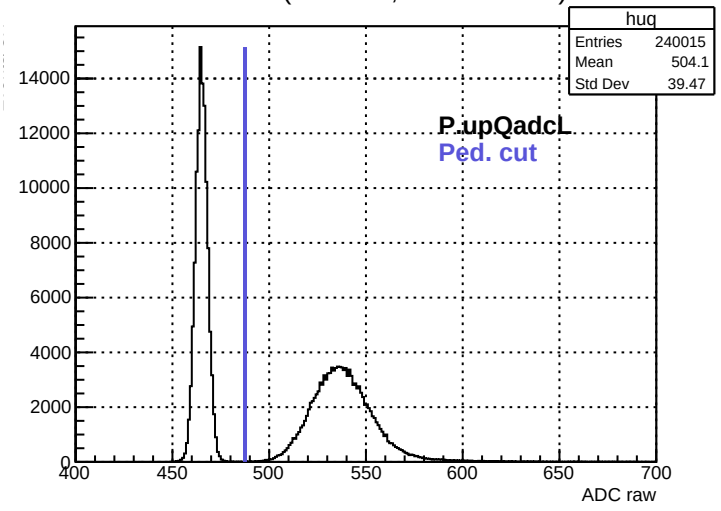

θlab (deg), xCut = -0.062 m
Theta
Entries 108976
Mean 4.767
Std Dev 0.4539
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

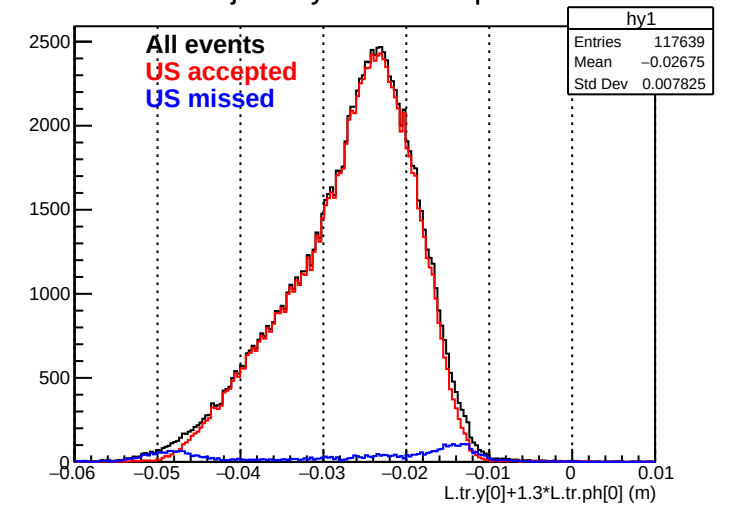

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 108976
Mean 0.5689
Std Dev 0.07492
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

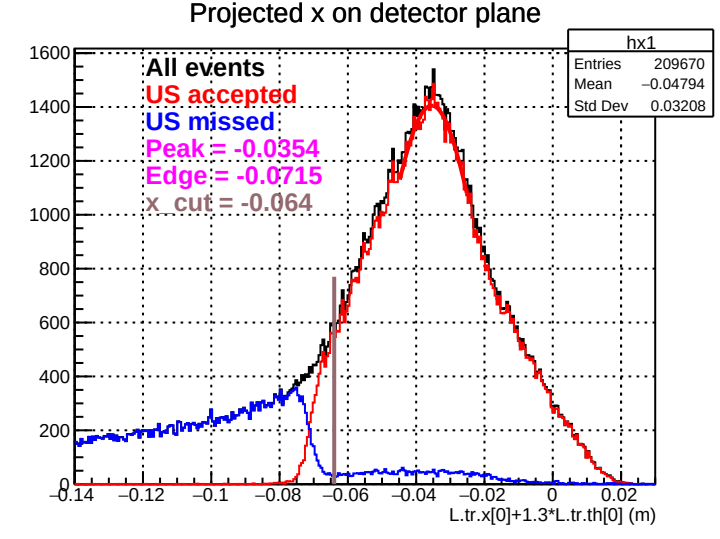

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 108976
Mean 0.5561
Std Dev 0.07113
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

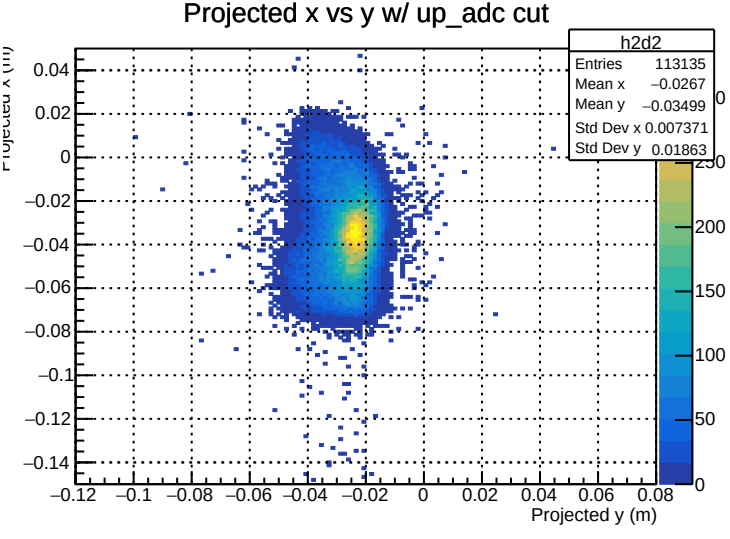

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 108976
Mean 0.006275
Std Dev 0.001225
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

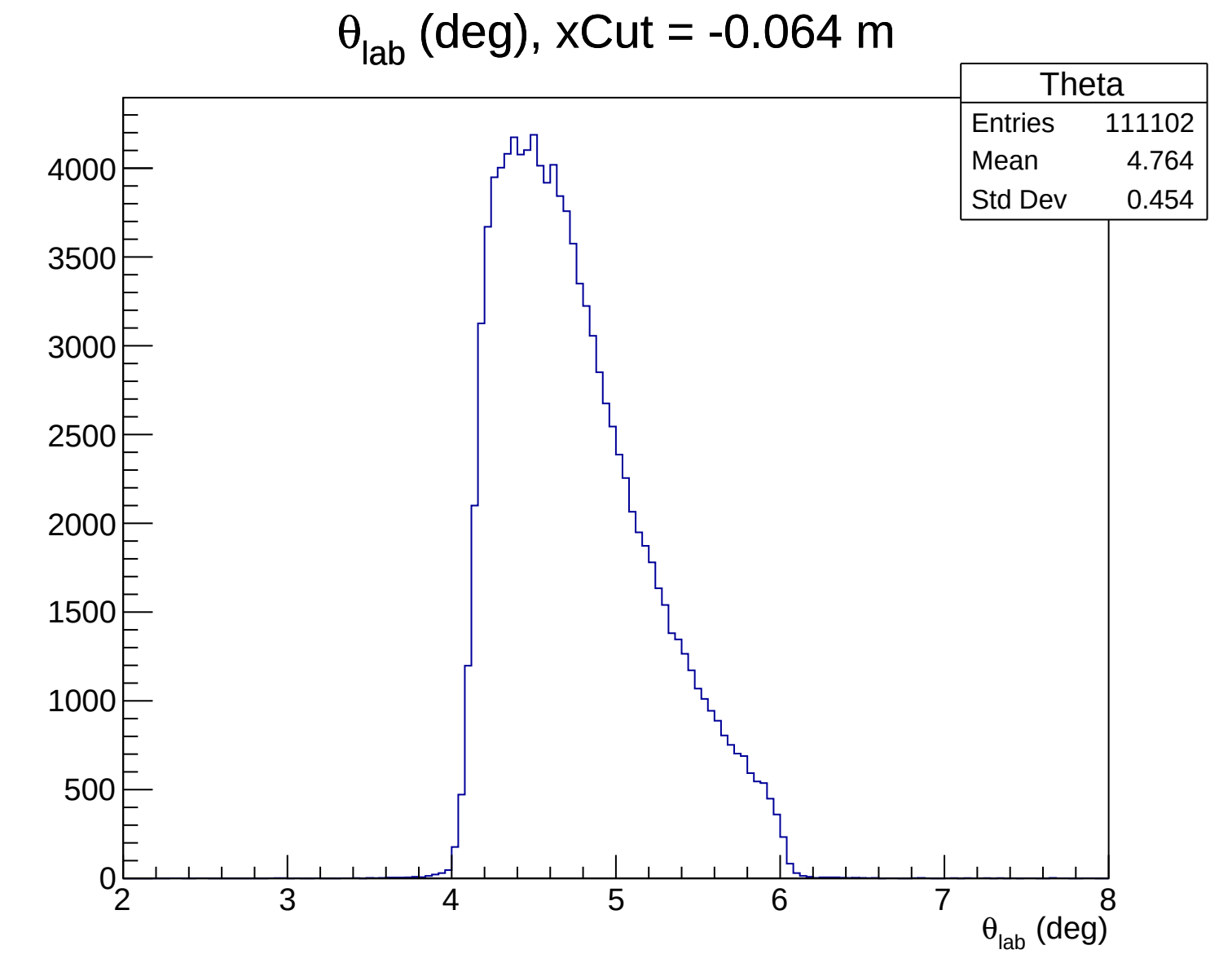

Sensitivity, xCut = -0.062 m
sens
Entries 108976
Mean 0.02207
Std Dev 0.003913
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

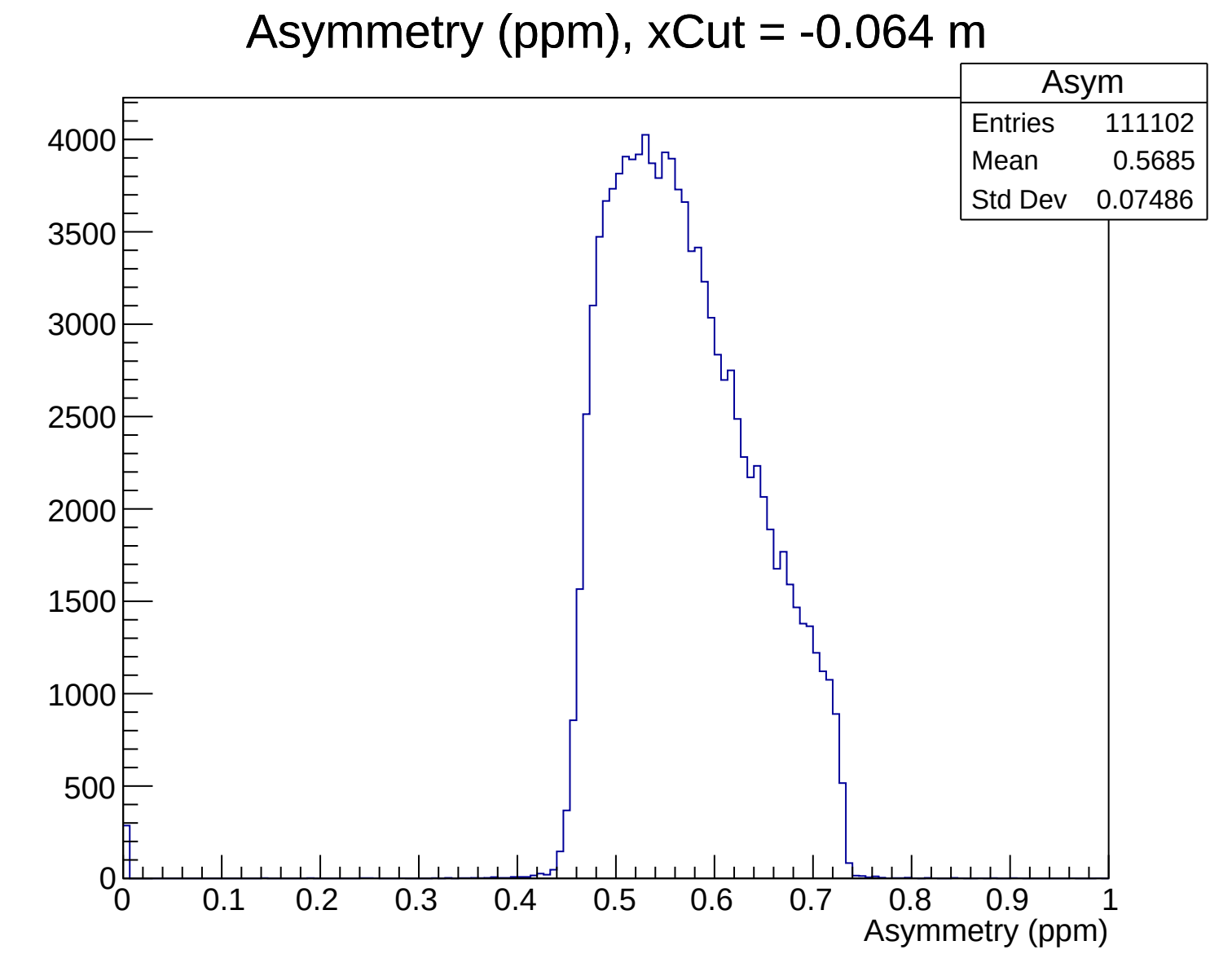

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

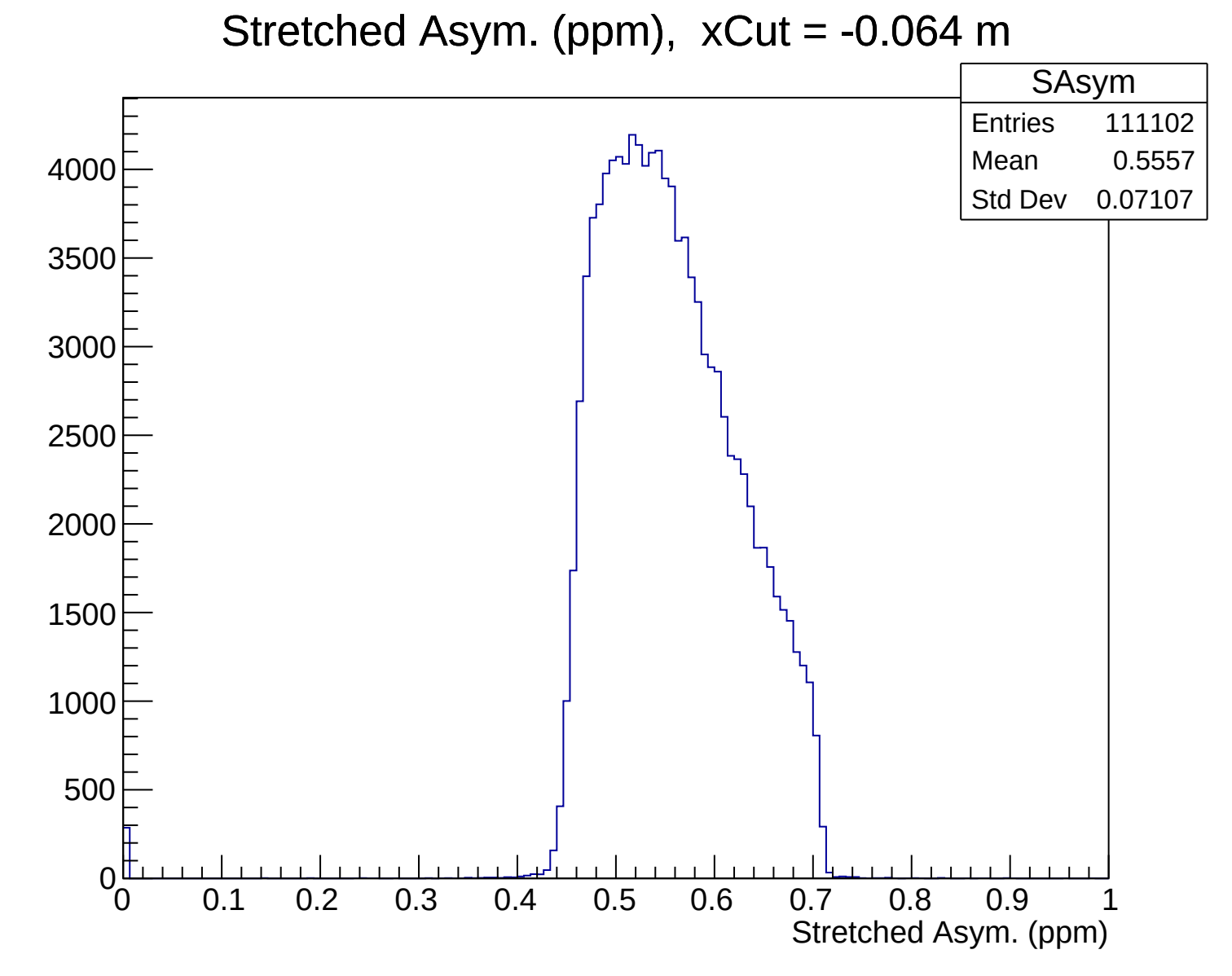

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

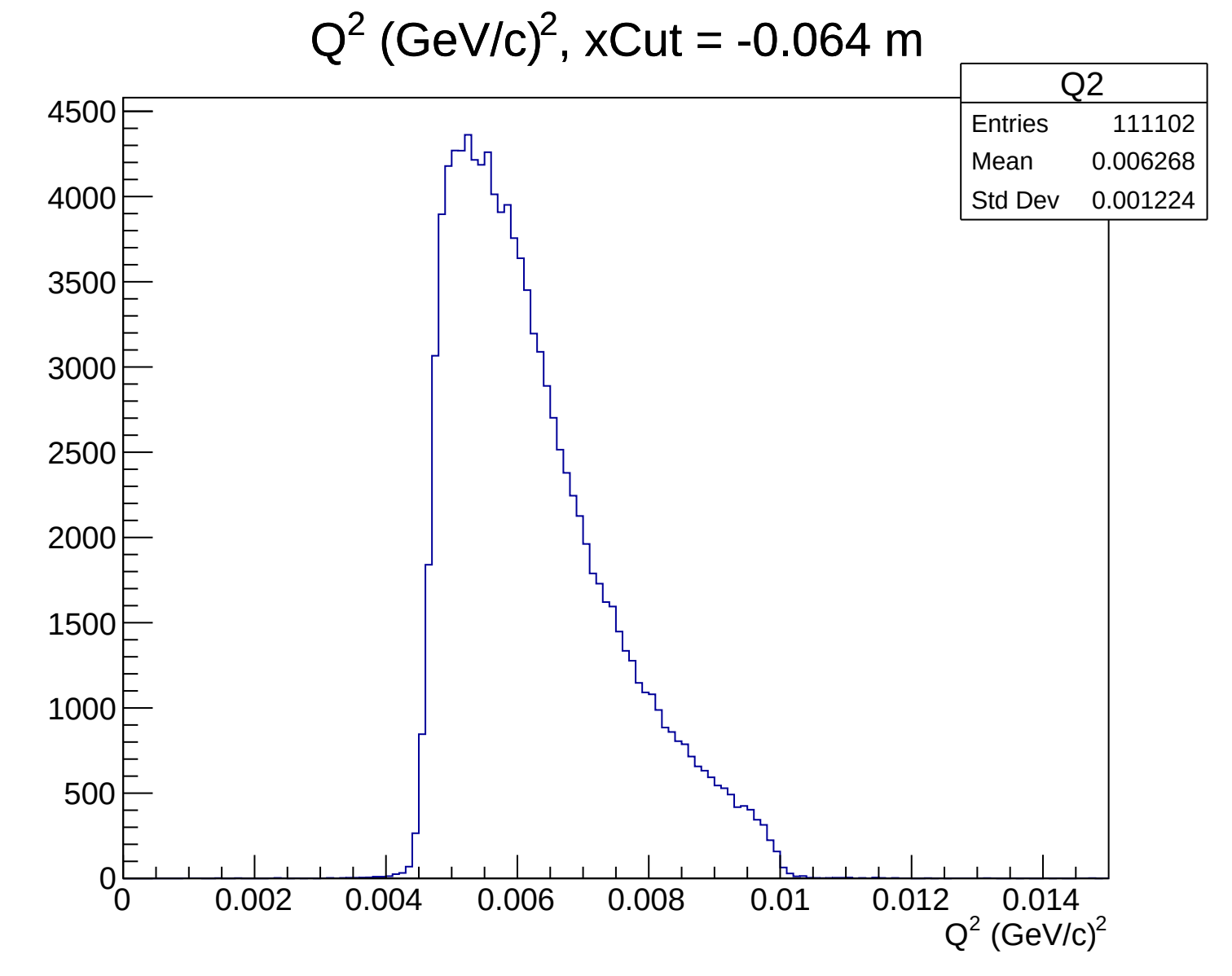

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

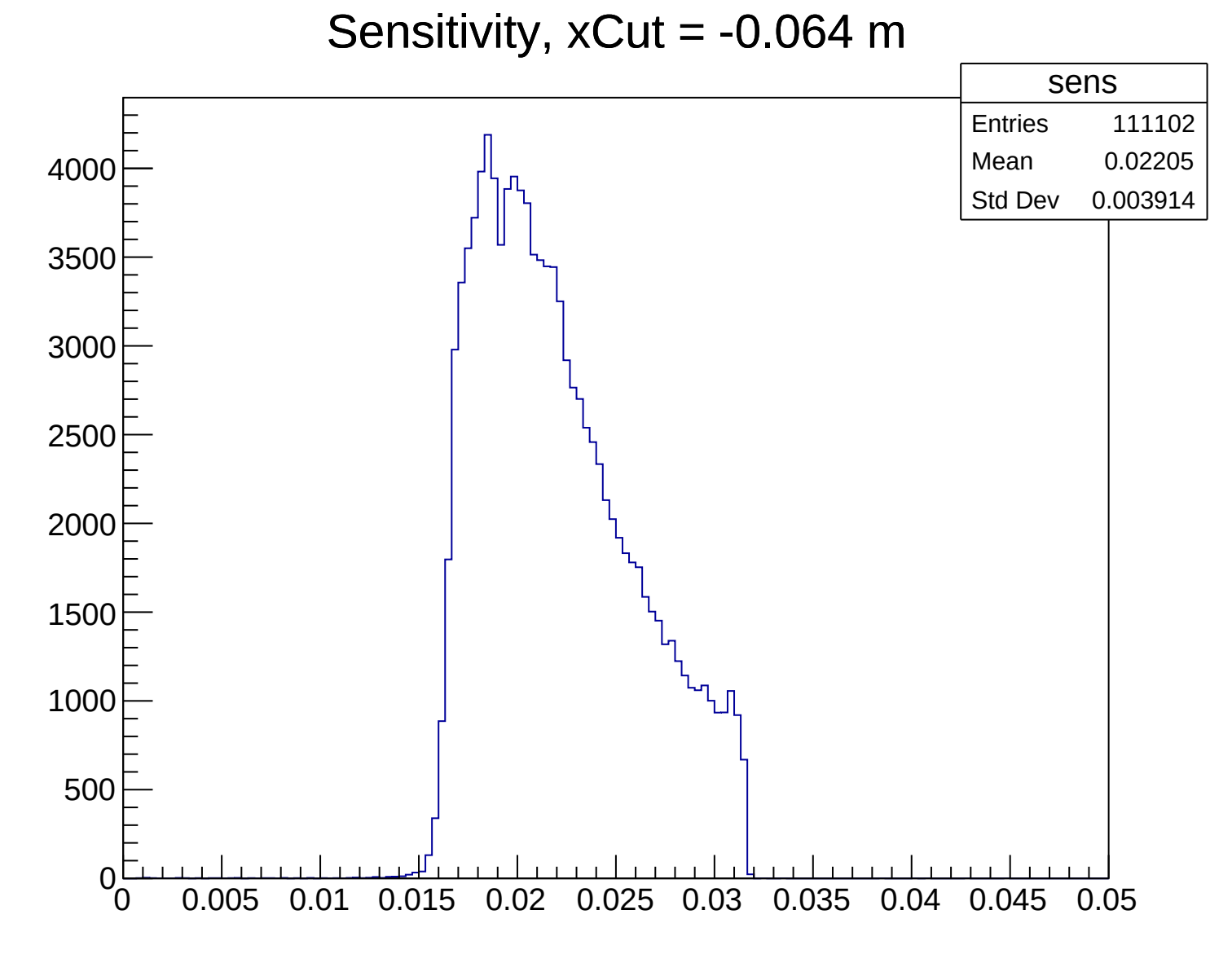

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

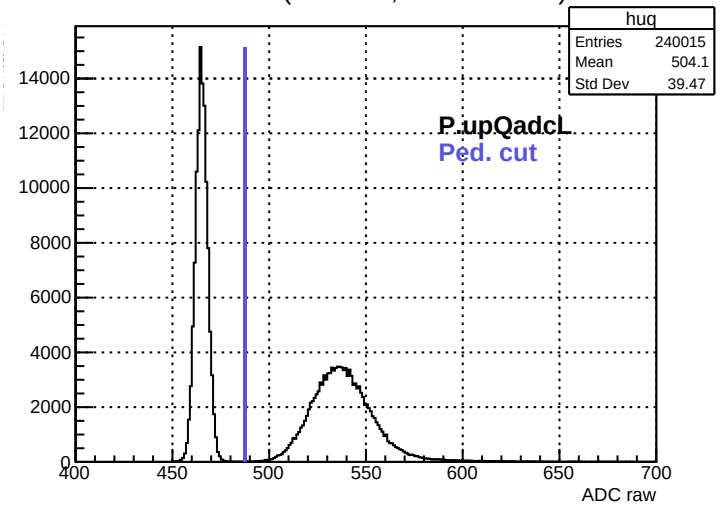

θlab (deg), xCut = -0.064 m
Theta
Entries 111102
Mean 4.764
Std Dev 0.454
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

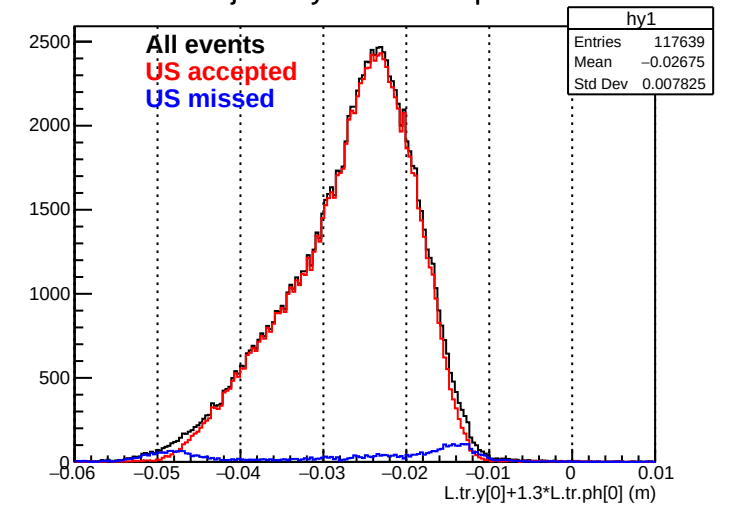

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 111102
Mean 0.5685
Std Dev 0.07486
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

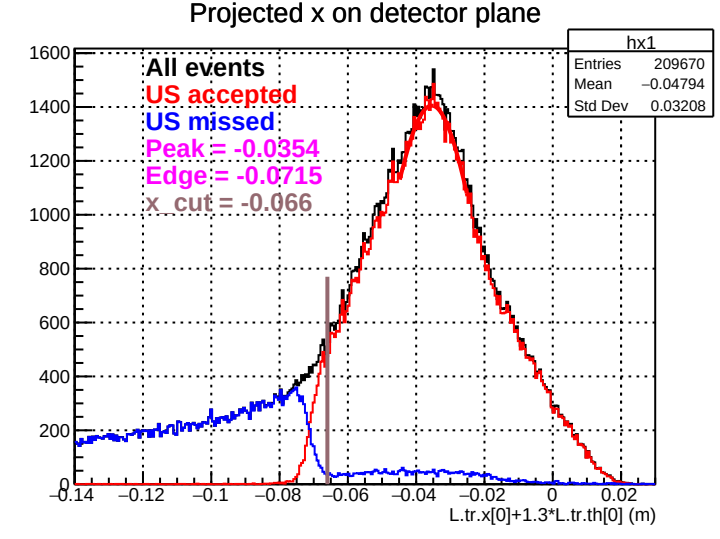

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 111102
Mean 0.5557
Std Dev 0.07107
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

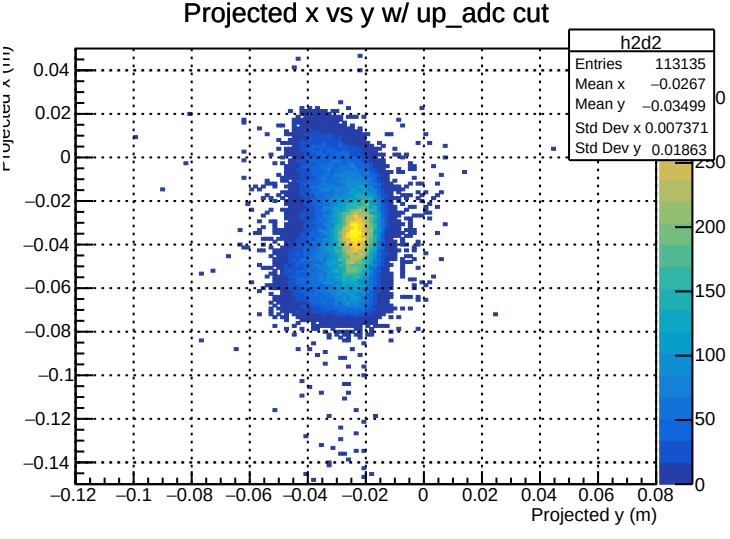

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 111102
Mean 0.006268
Std Dev 0.001224
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

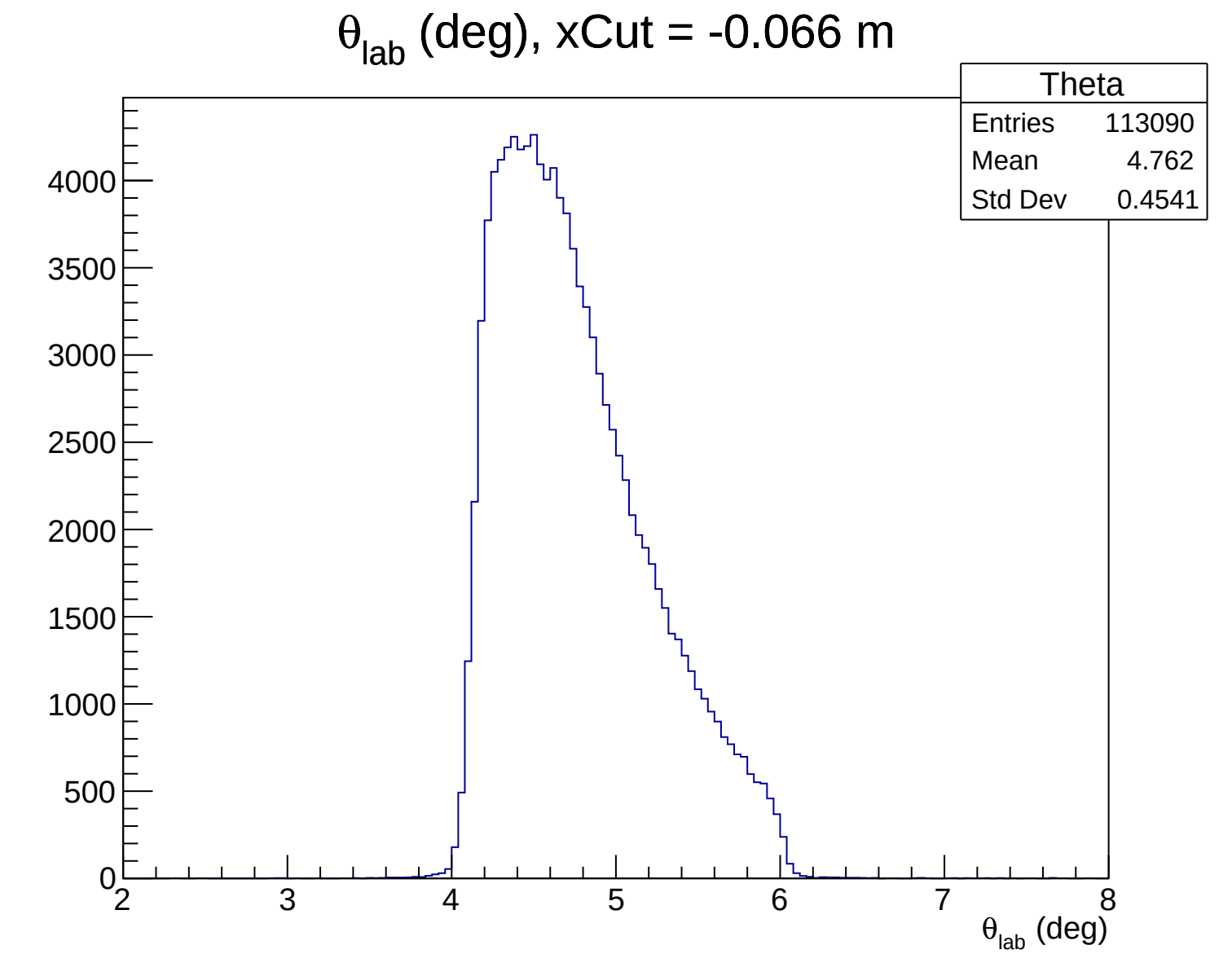

Sensitivity, xCut = -0.064 m
sens
Entries 111102
Mean 0.02205
Std Dev 0.003914
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

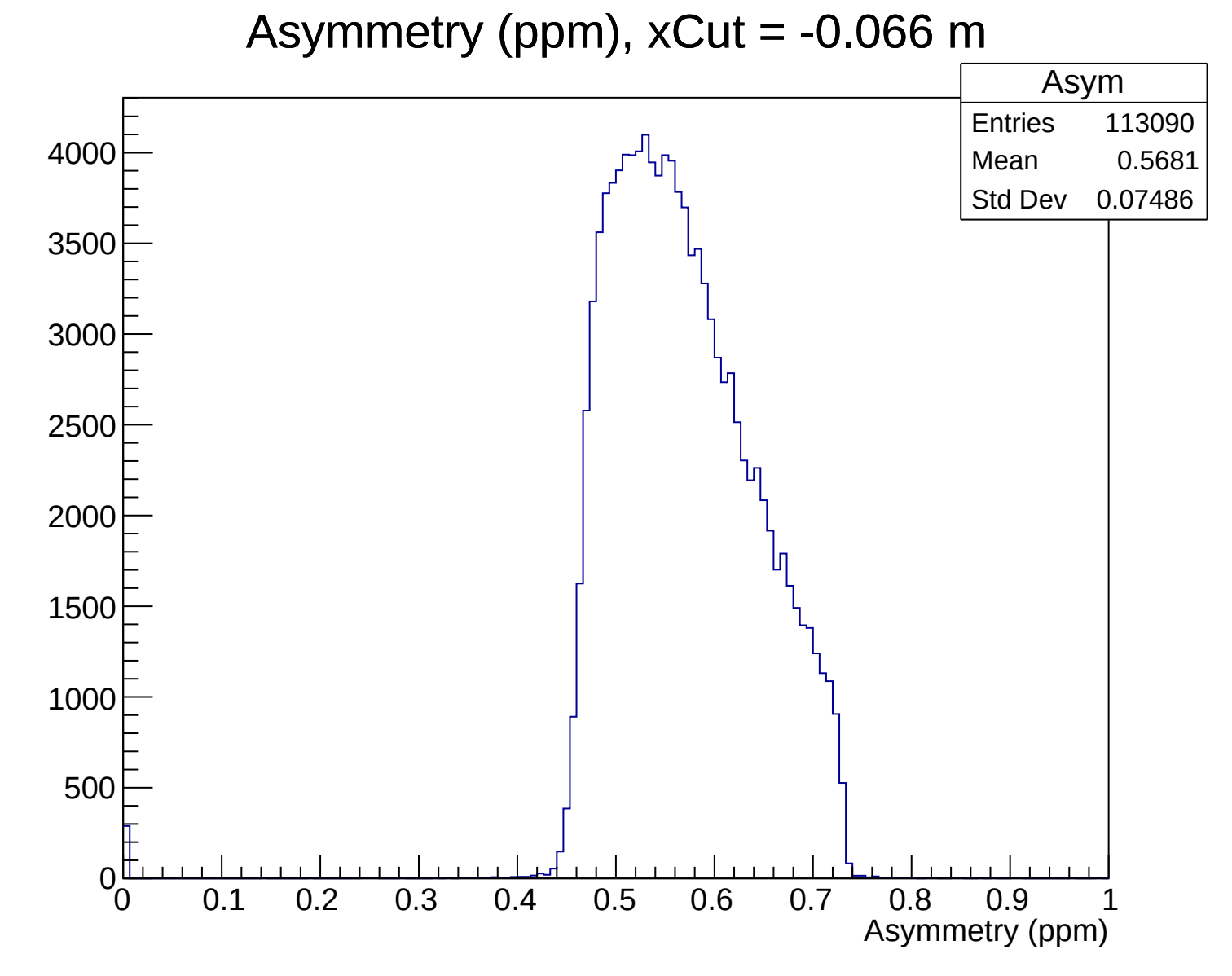

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

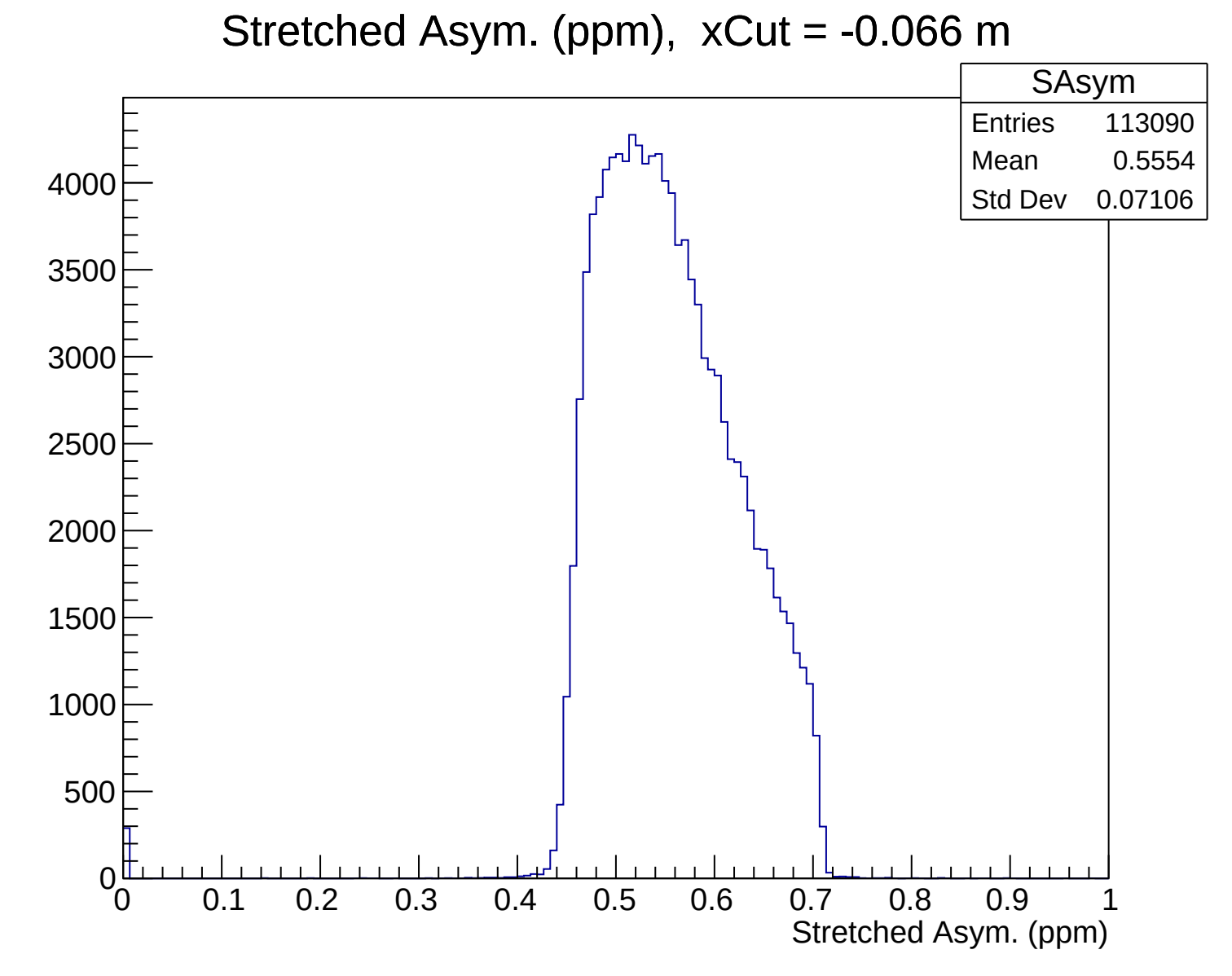

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

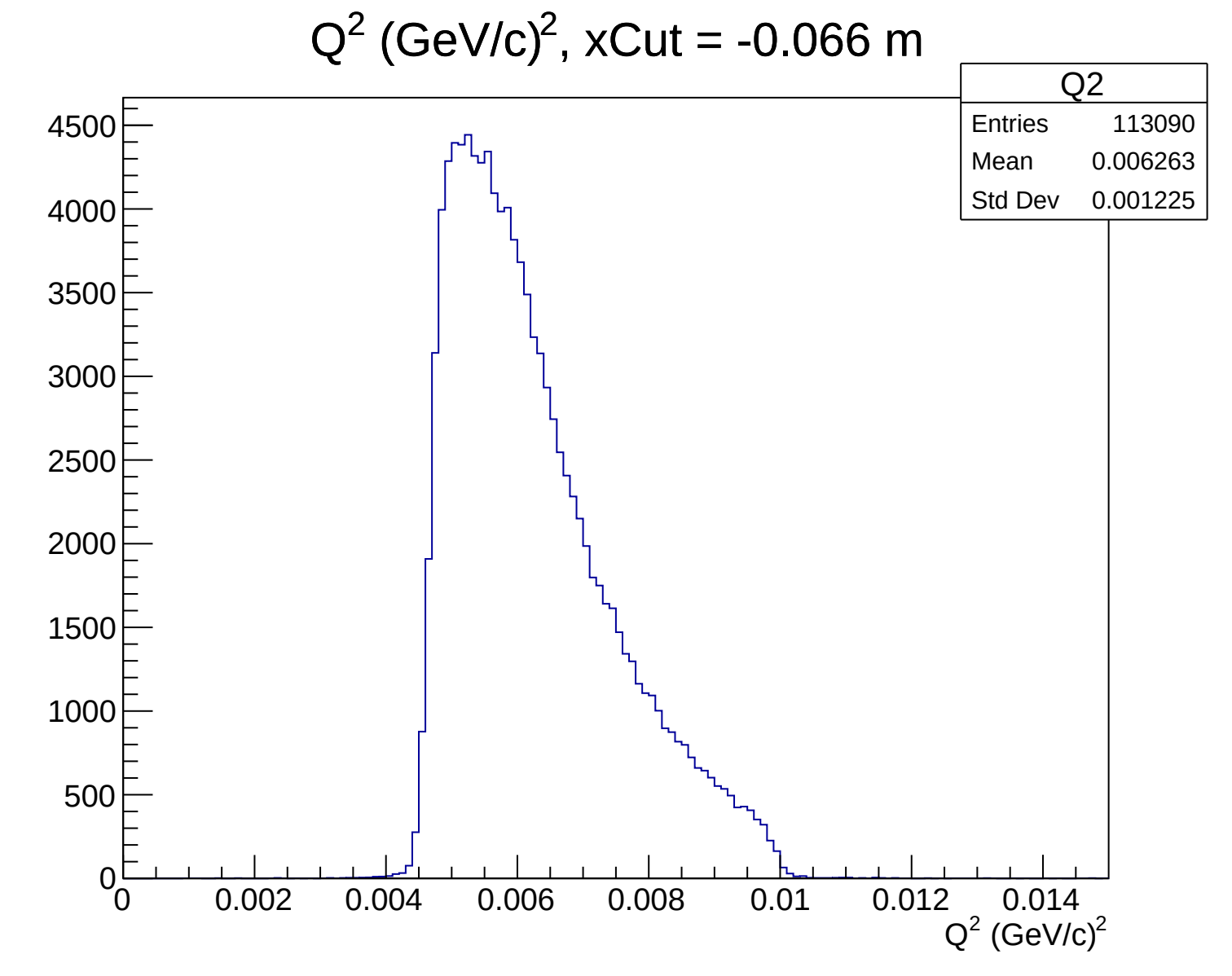

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.066
L.tr.x[0]+1.3*L.tr.th[0] (m)

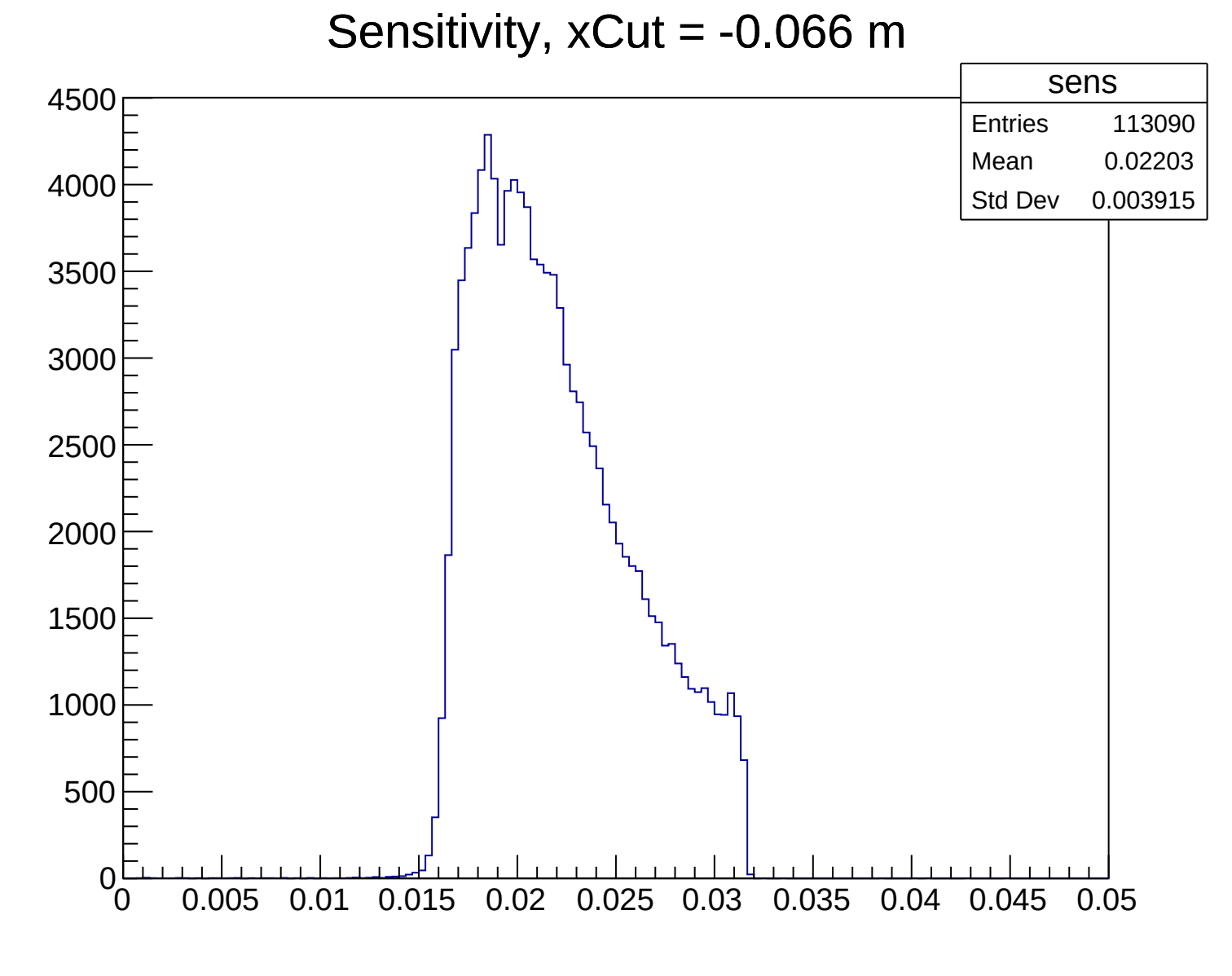

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

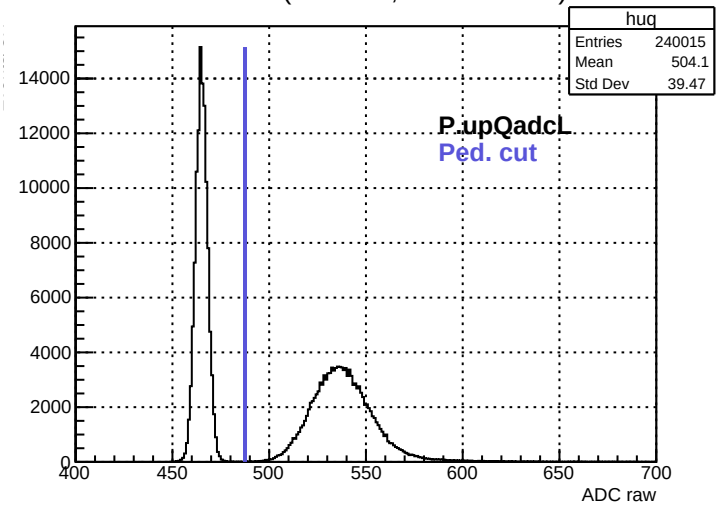

θlab (deg), xCut = -0.066 m
Theta
Entries 113090
Mean 4.762
Std Dev 0.4541
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

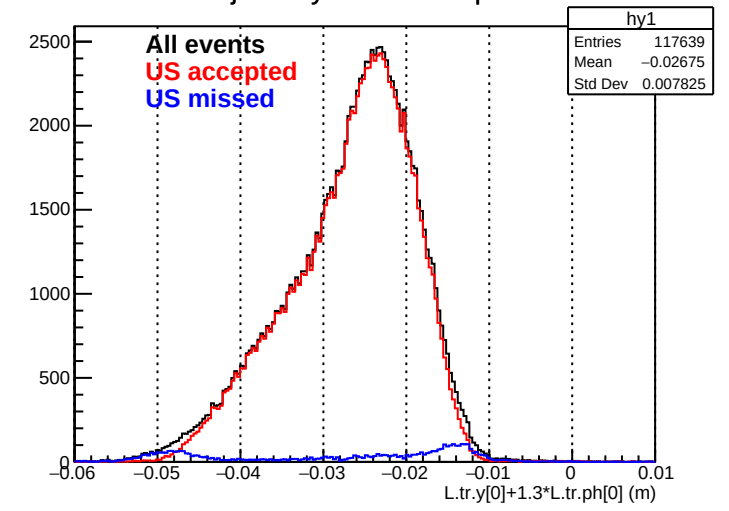

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 113090
Mean 0.5681
Std Dev 0.07486
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

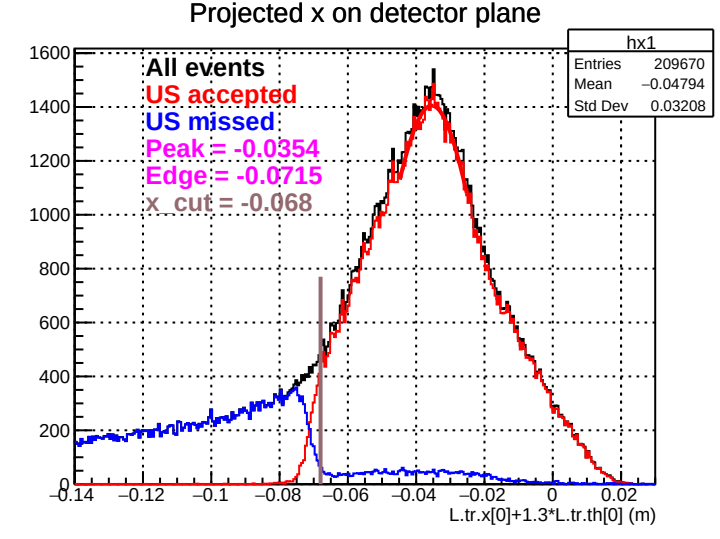

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 113090
Mean 0.5554
Std Dev 0.07106
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

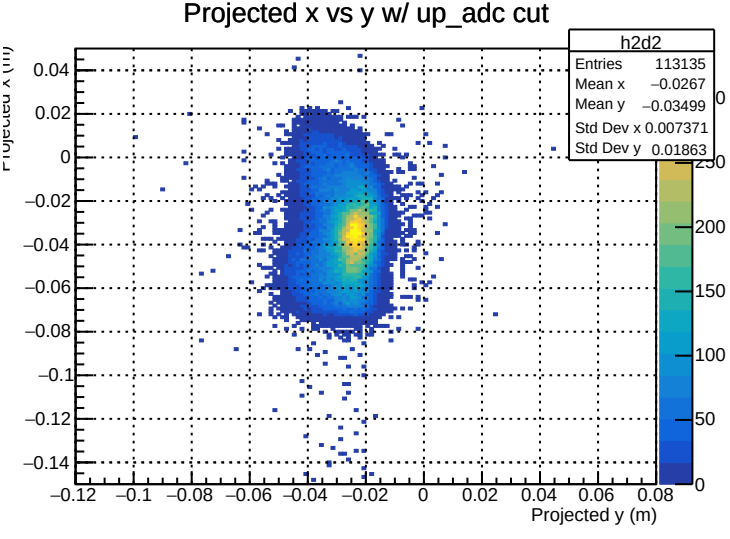

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 113090
Mean 0.006263
Std Dev 0.001225
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

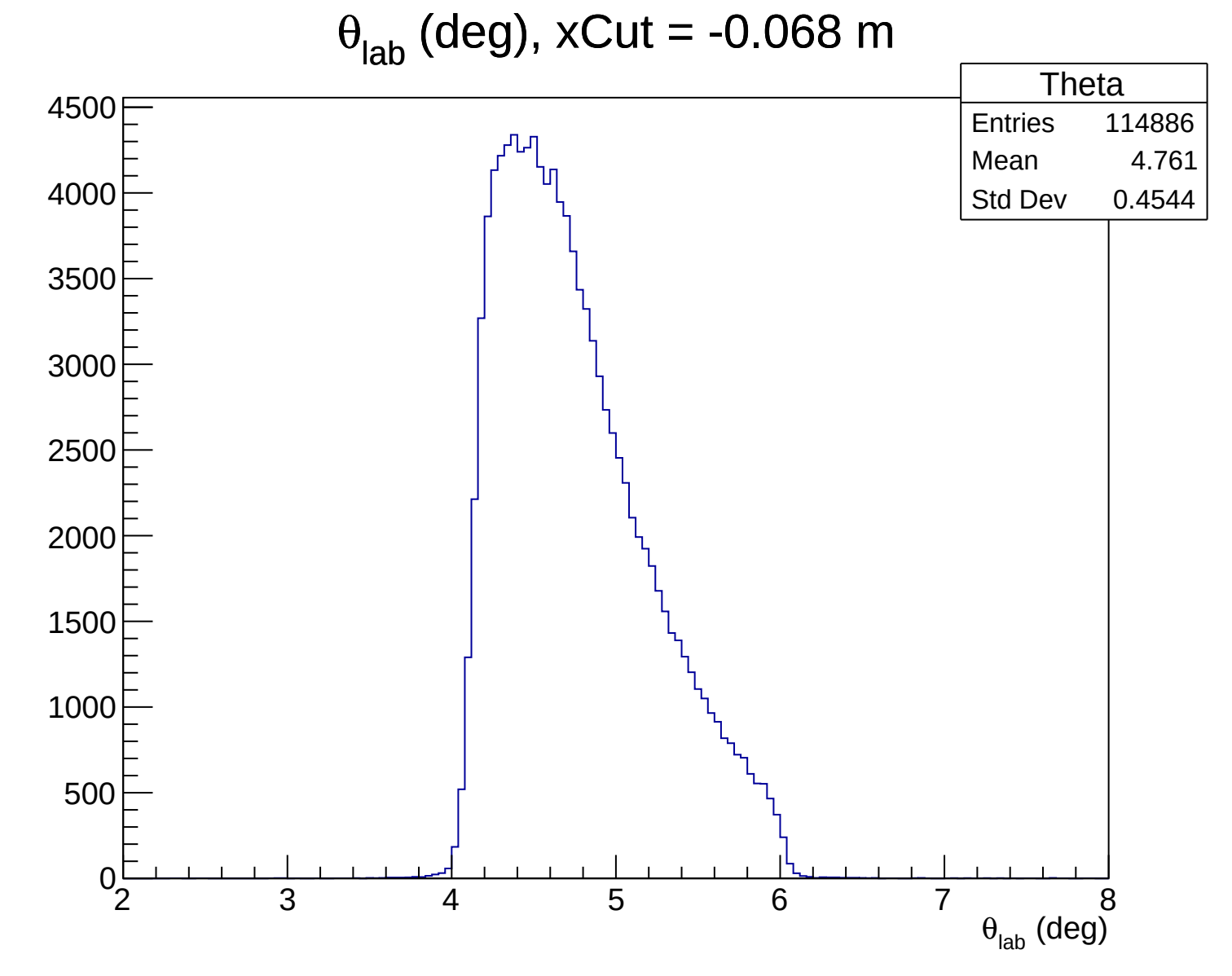

Sensitivity, xCut = -0.066 m
sens
Entries 113090
Mean 0.02203
Std Dev 0.003915
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

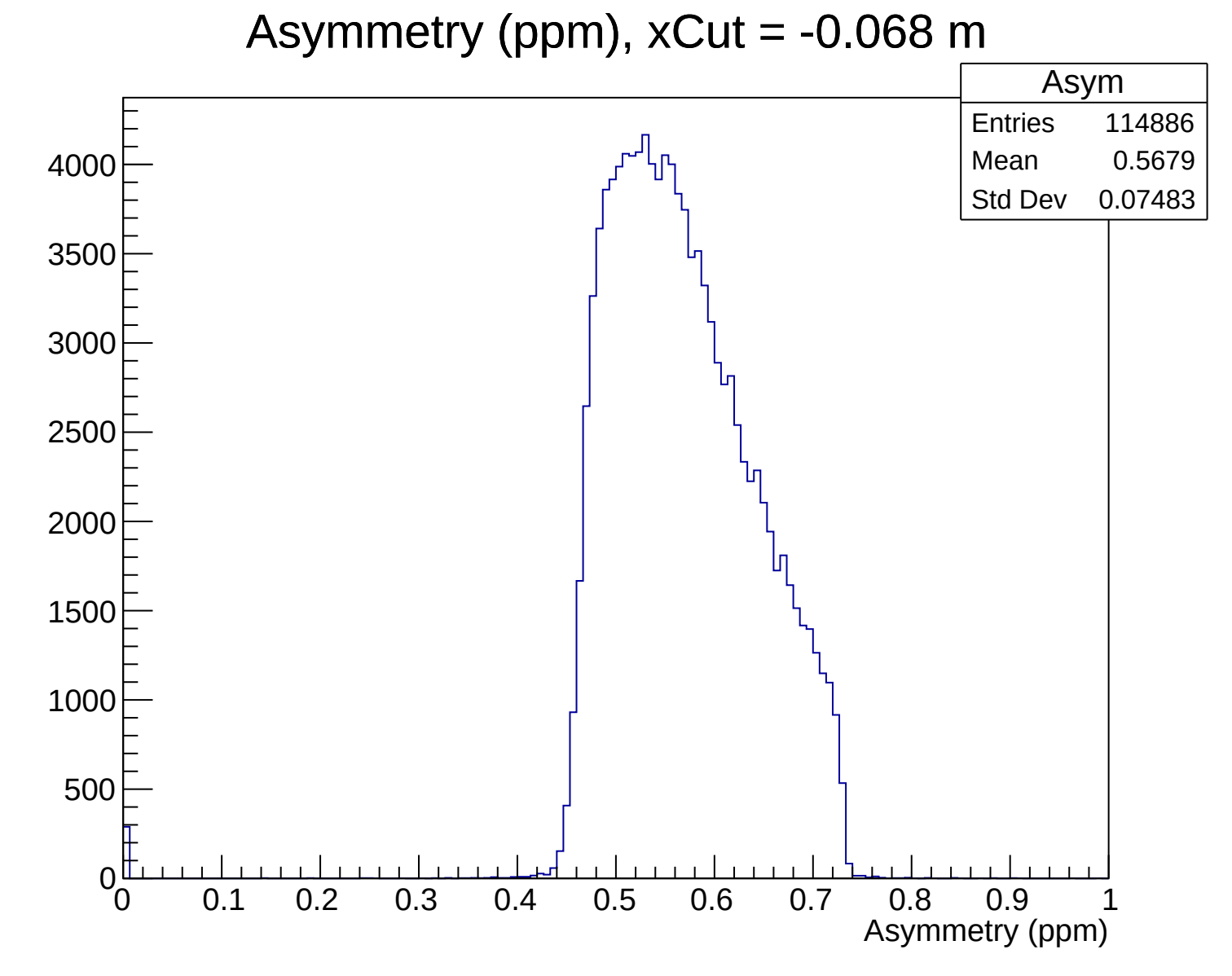

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

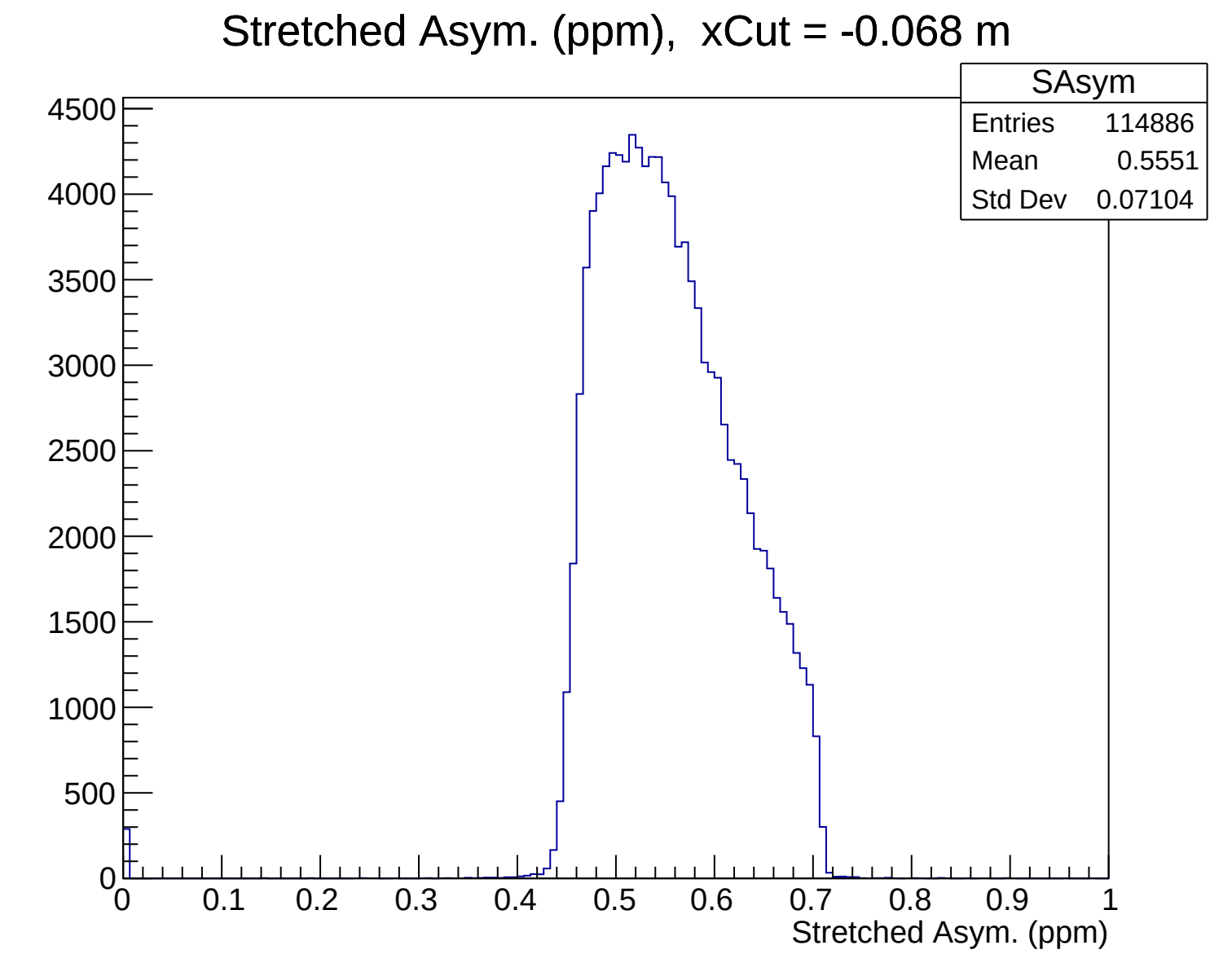

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

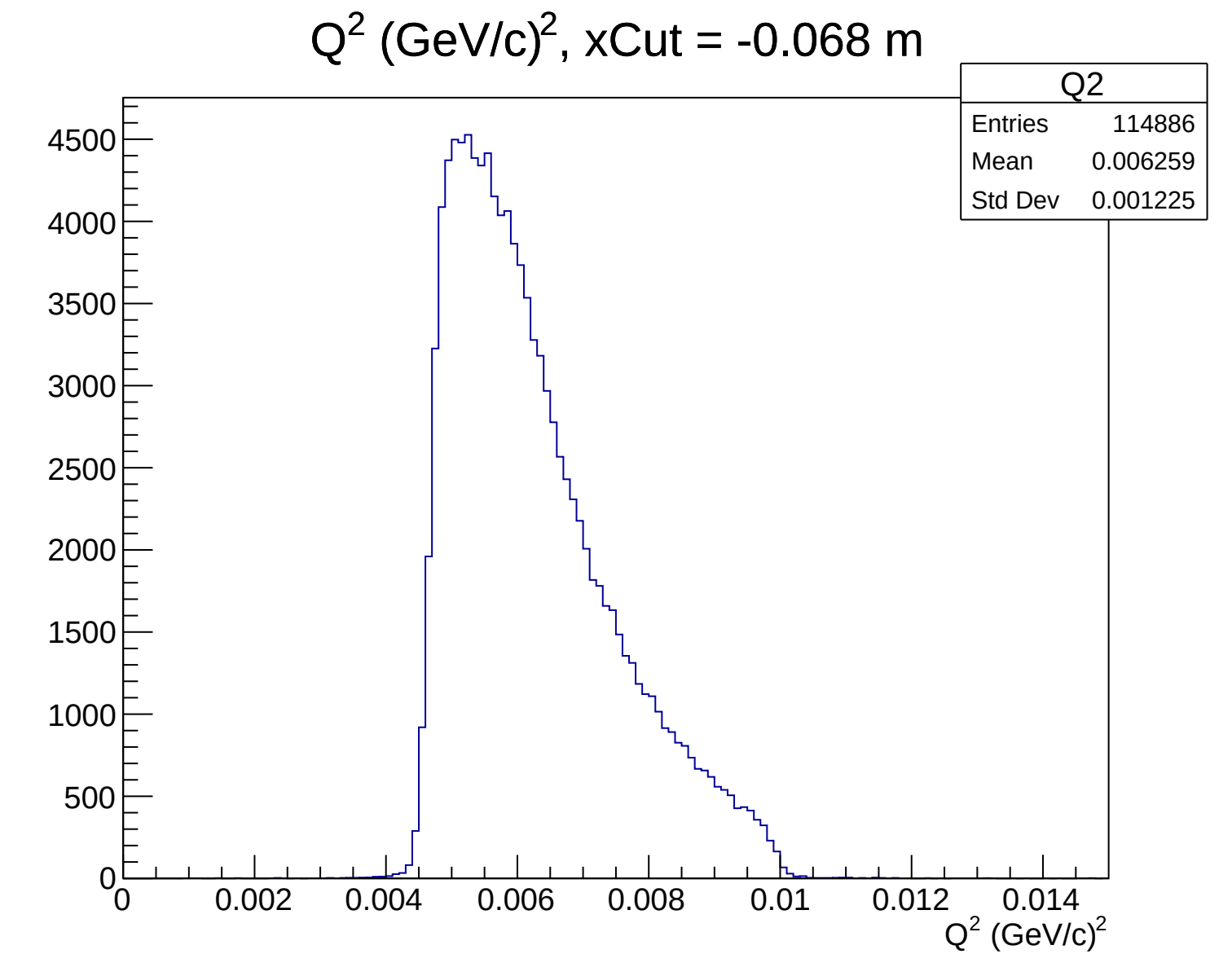

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

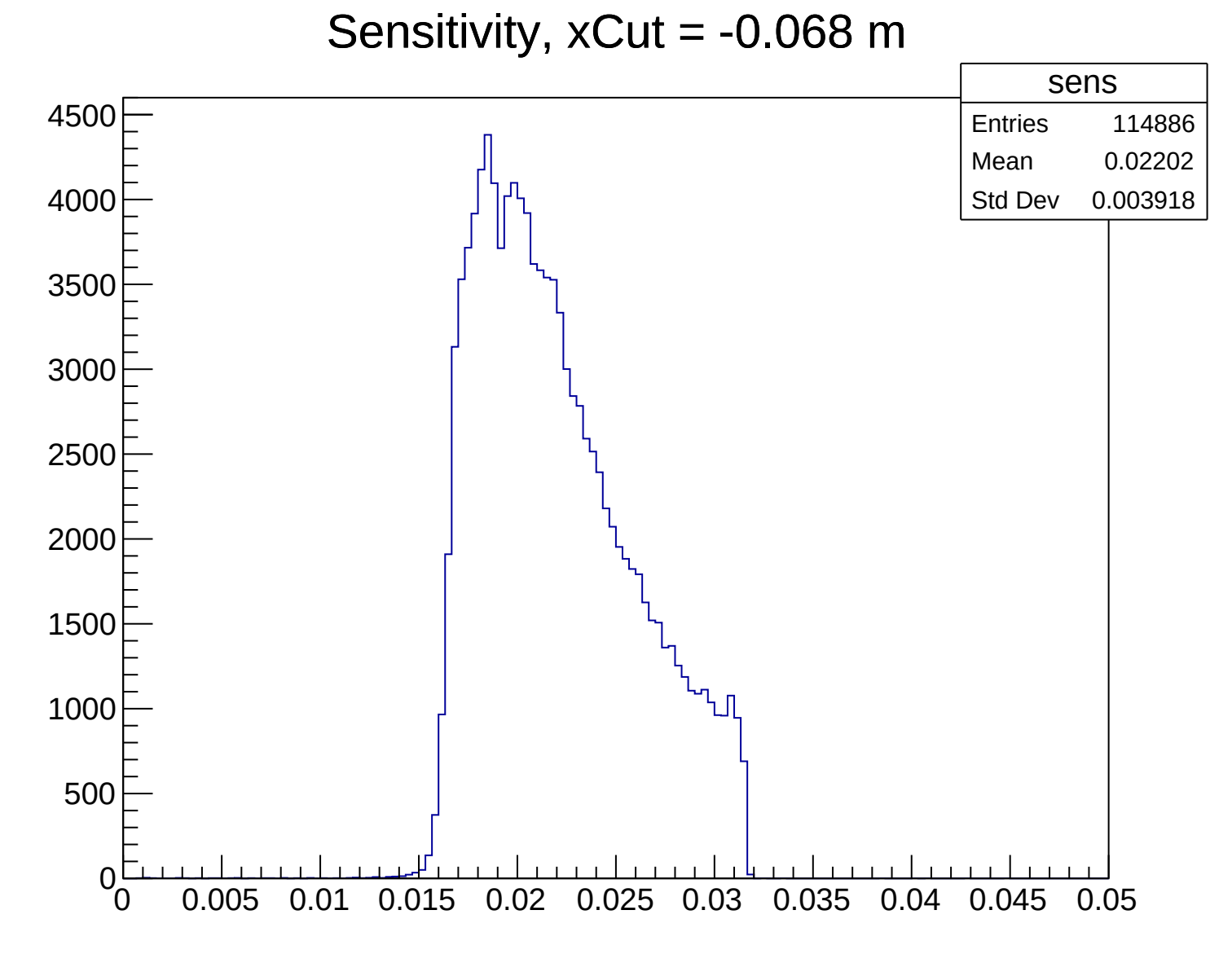

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

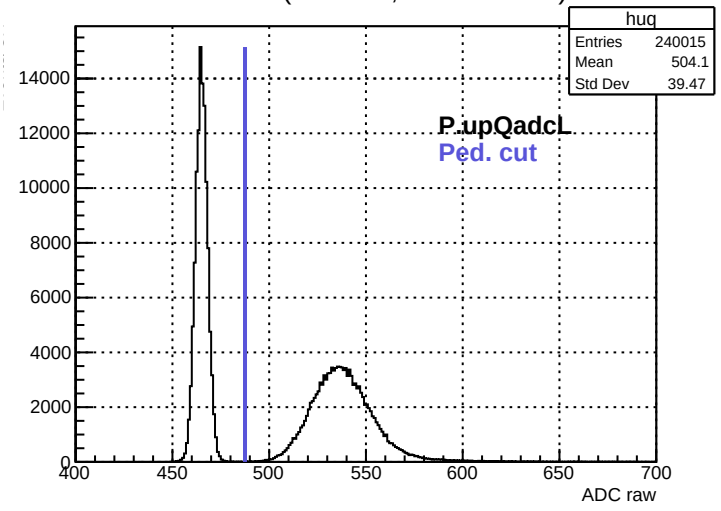

θlab (deg), xCut = -0.068 m
Theta
Entries 114886
Mean 4.761
Std Dev 0.4544
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

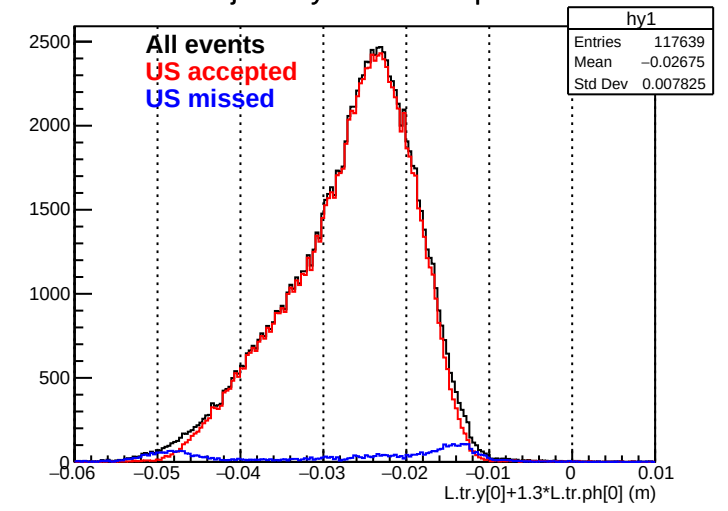

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 114886
Mean 0.5679
Std Dev 0.07483
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

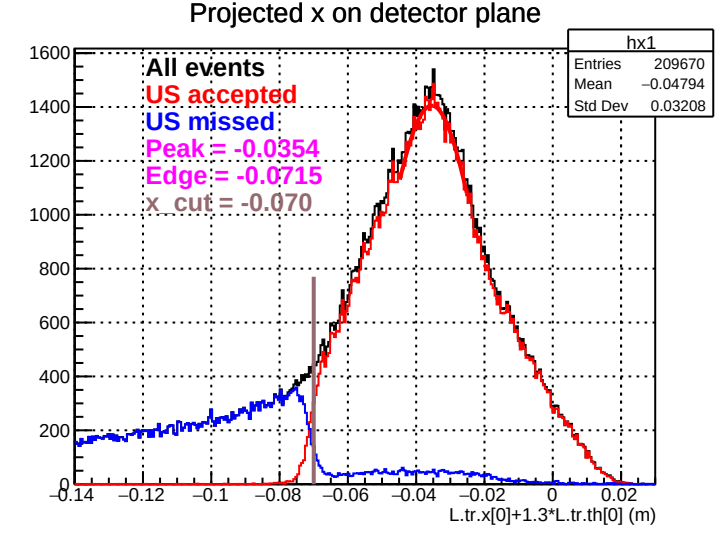

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 114886
Mean 0.5551
Std Dev 0.07104
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

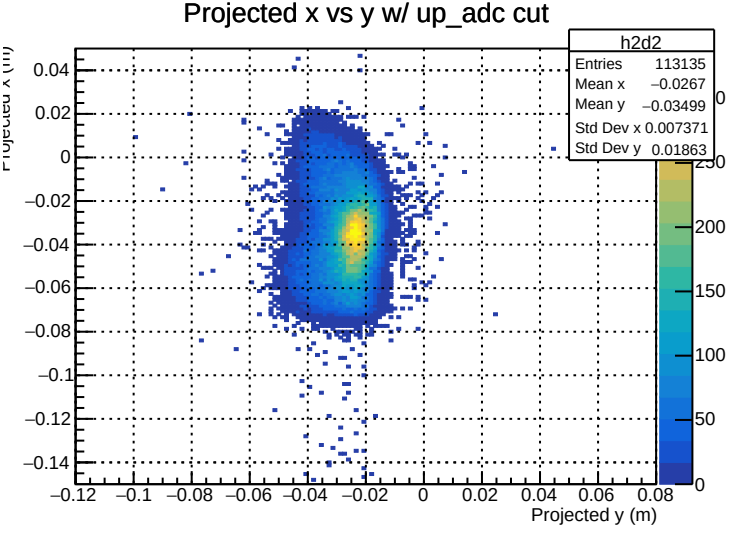

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 114886
Mean 0.006259
Std Dev 0.001225
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

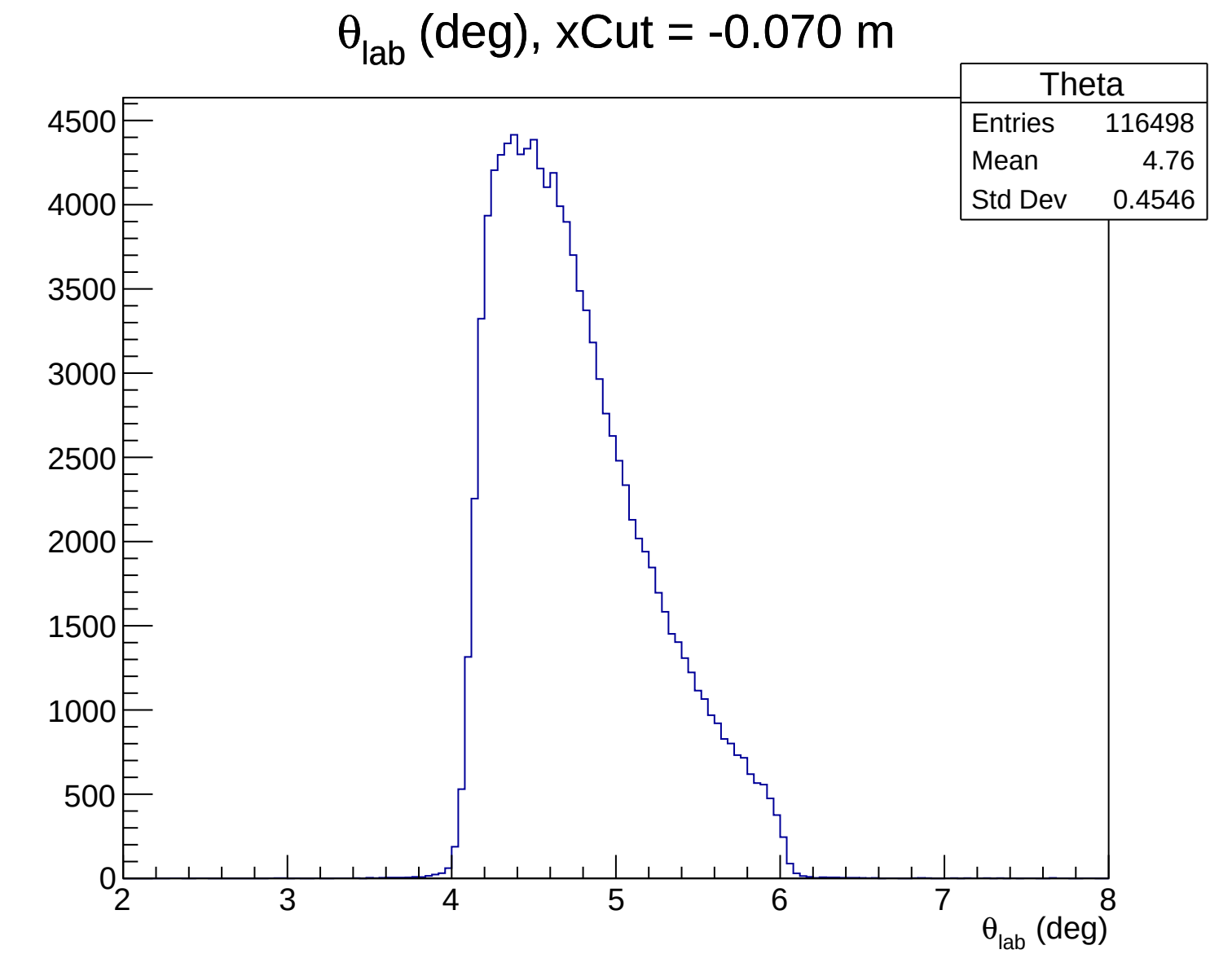

Sensitivity, xCut = -0.068 m
sens
Entries 114886
Mean 0.02202
Std Dev 0.003918
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

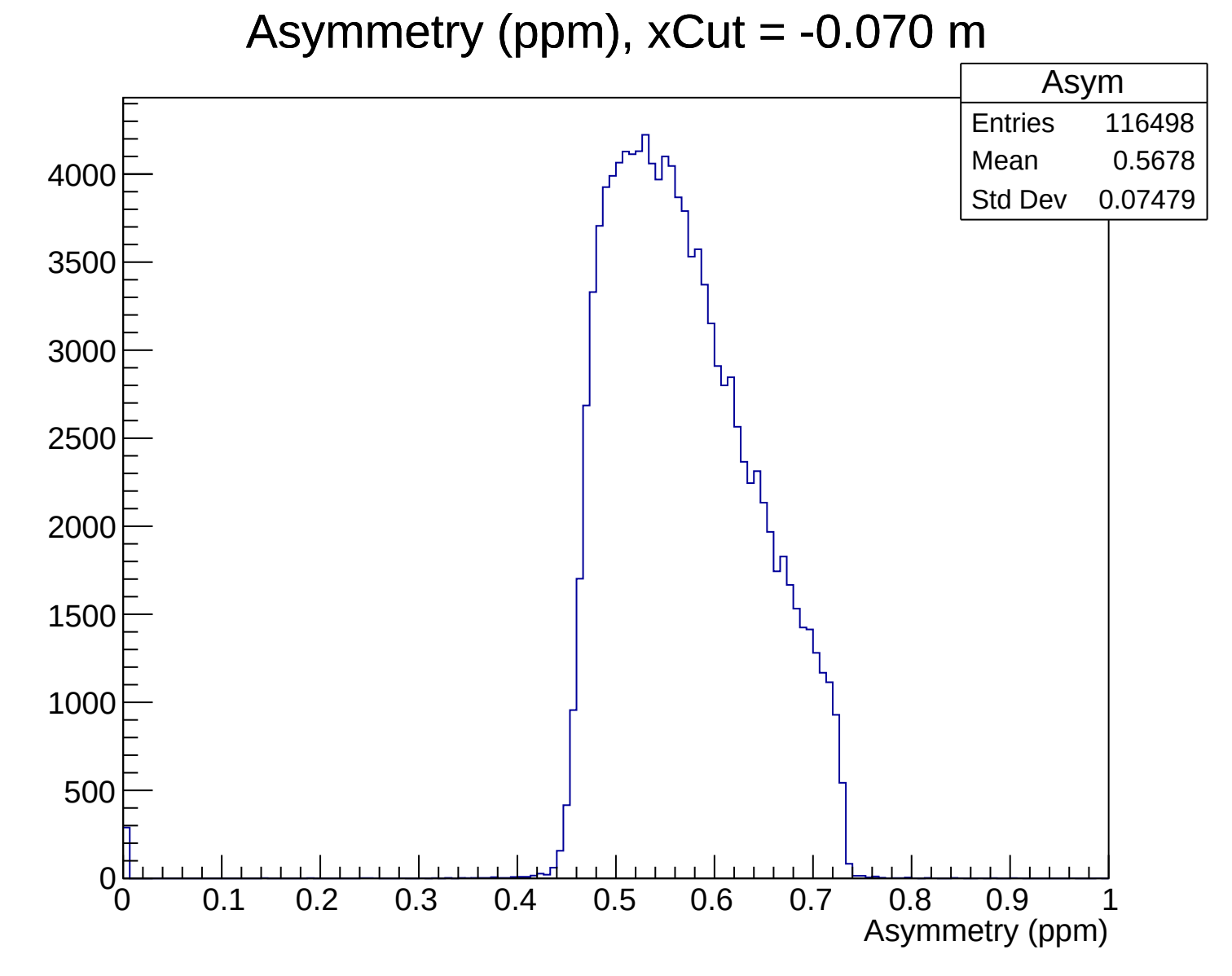

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

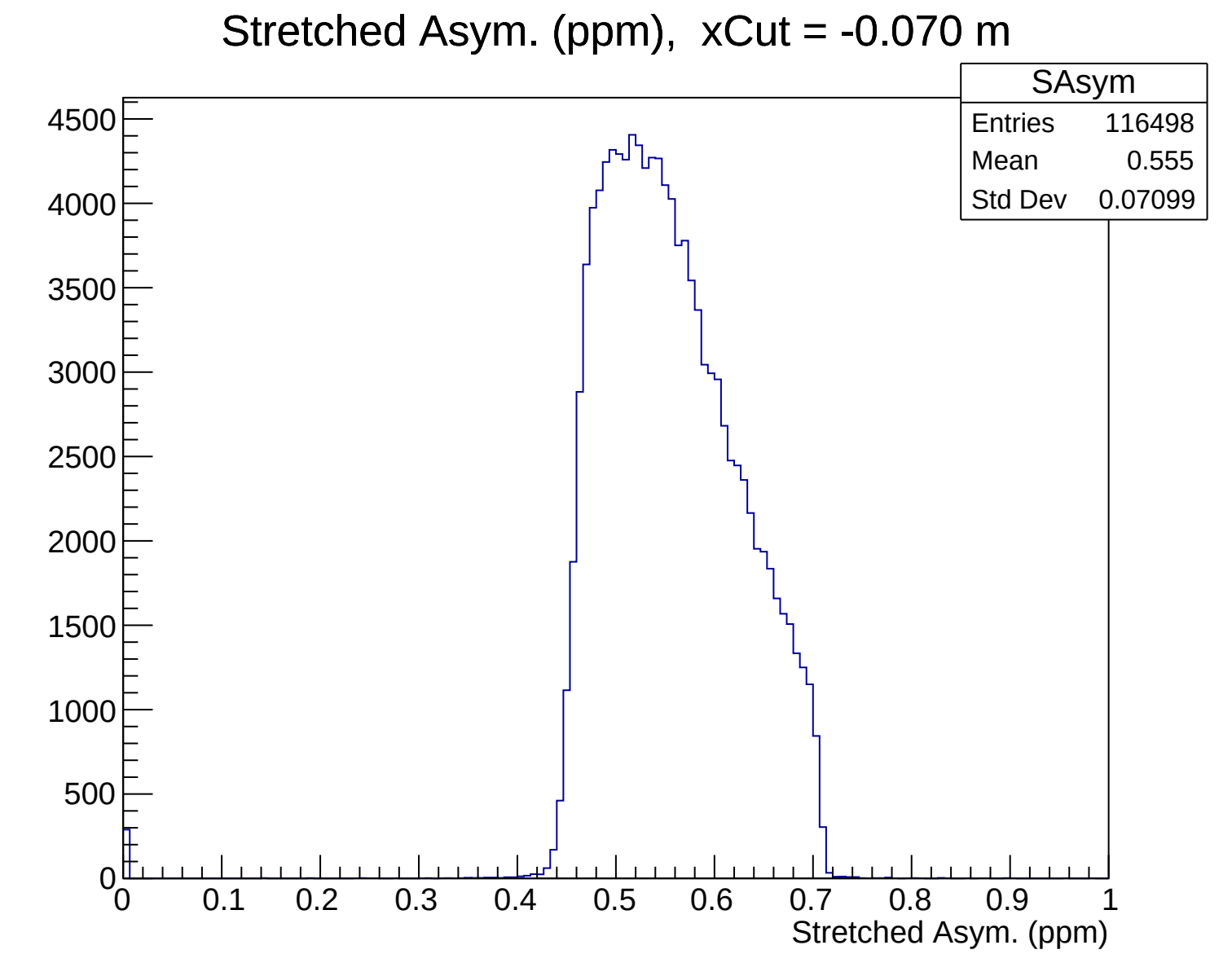

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

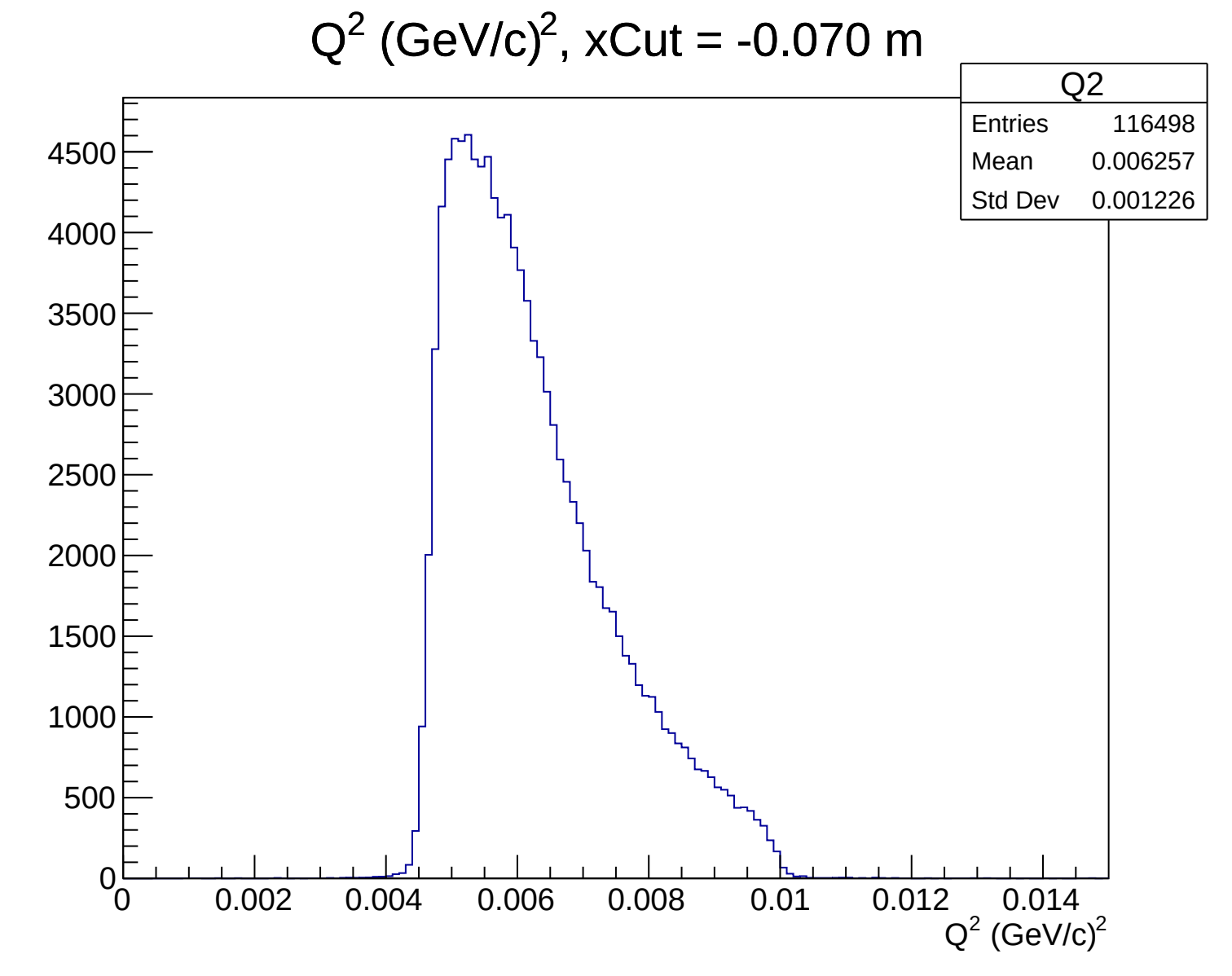

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

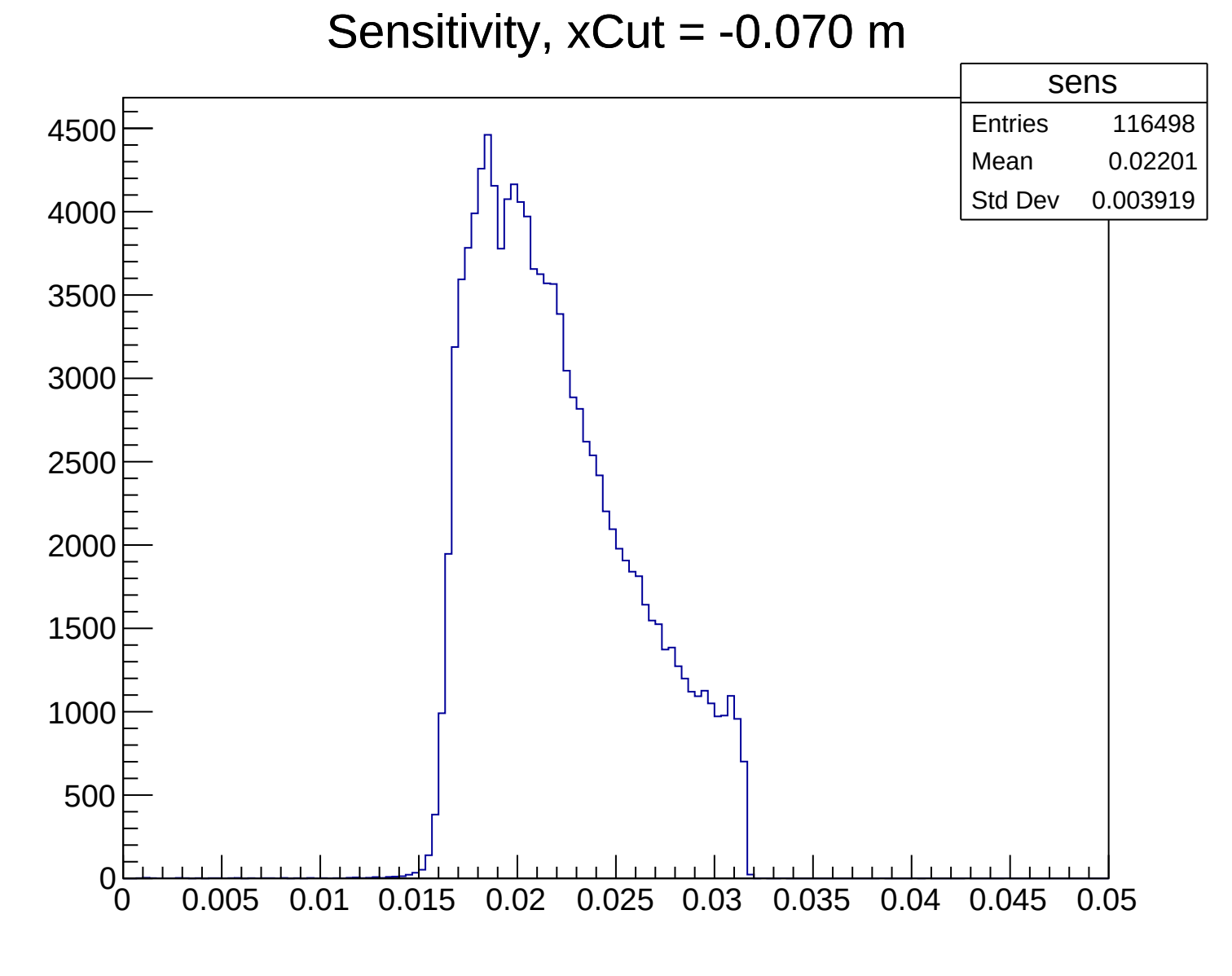

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

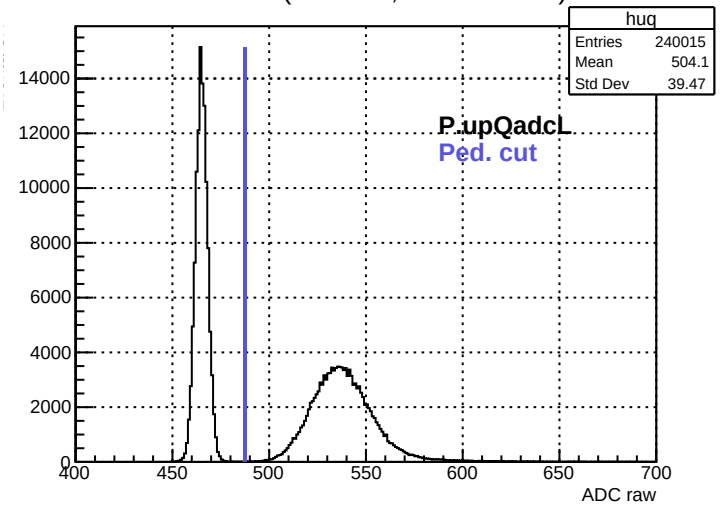

θlab (deg), xCut = -0.070 m
Theta
Entries 116498
Mean 4.76
Std Dev 0.4546
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

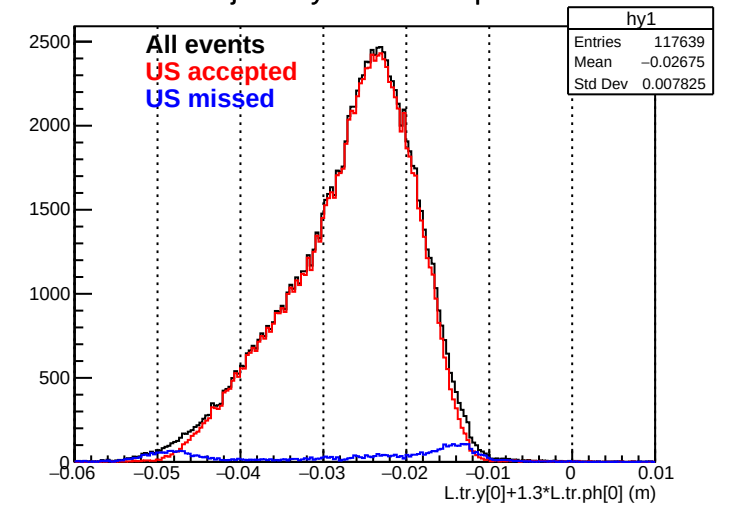

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 116498
Mean 0.5678
Std Dev 0.07479
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

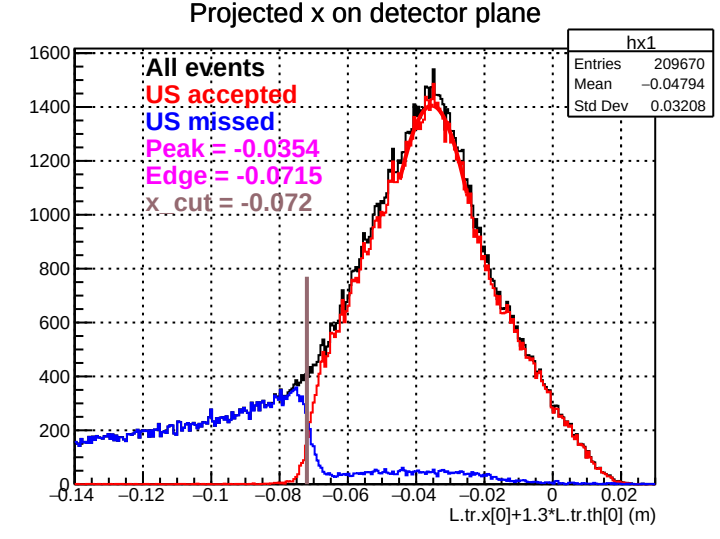

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 116498
Mean 0.555
Std Dev 0.07099
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

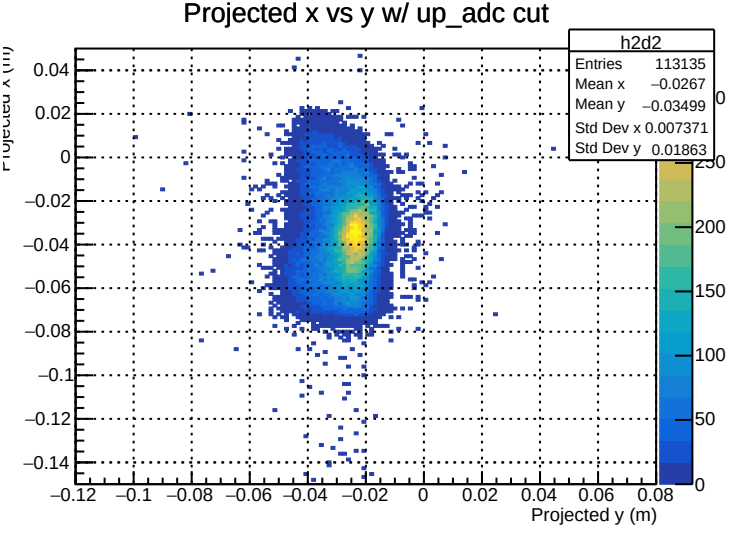

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 116498
Mean 0.006257
Std Dev 0.001226
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

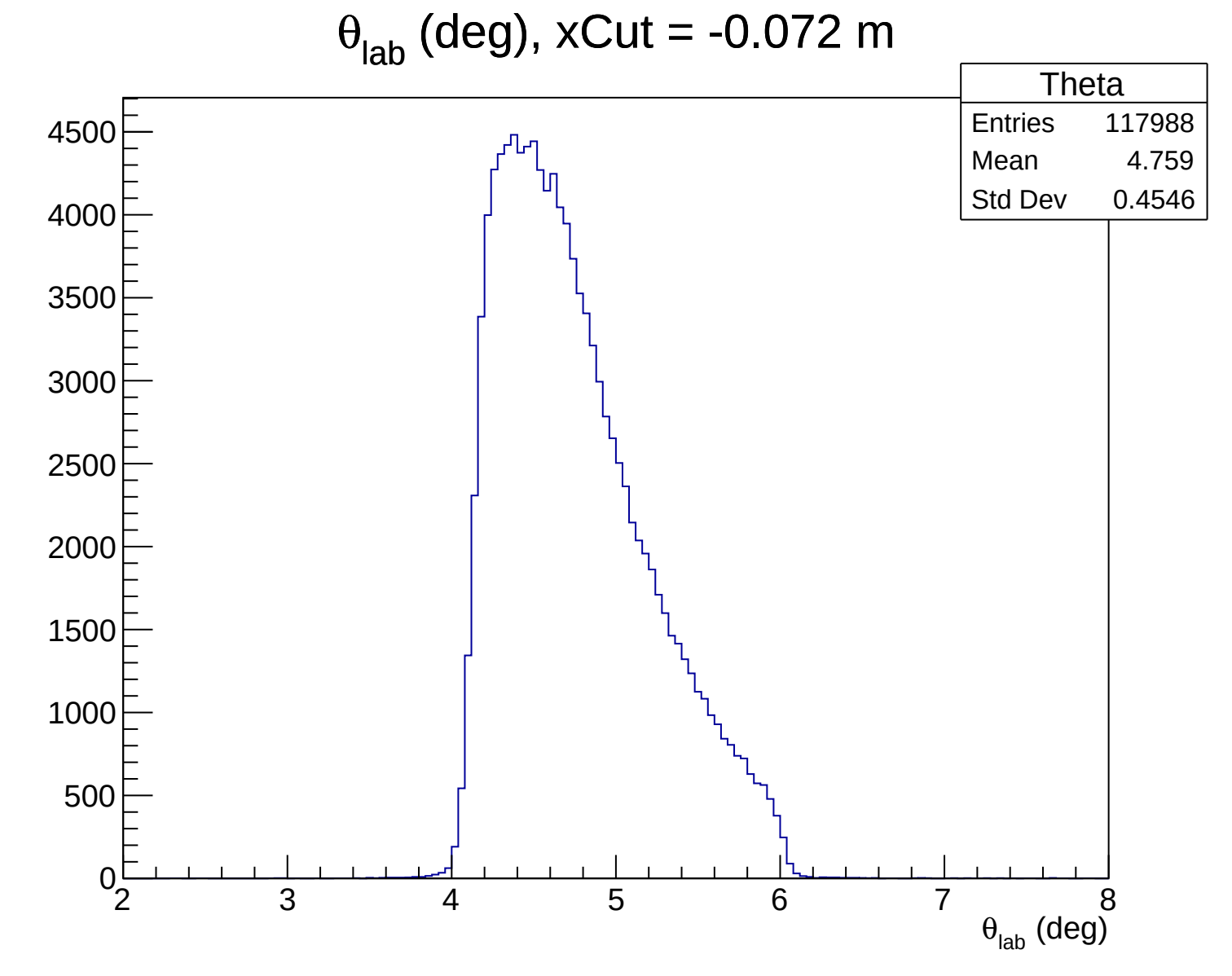

Sensitivity, xCut = -0.070 m
sens
Entries 116498
Mean 0.02201
Std Dev 0.003919
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

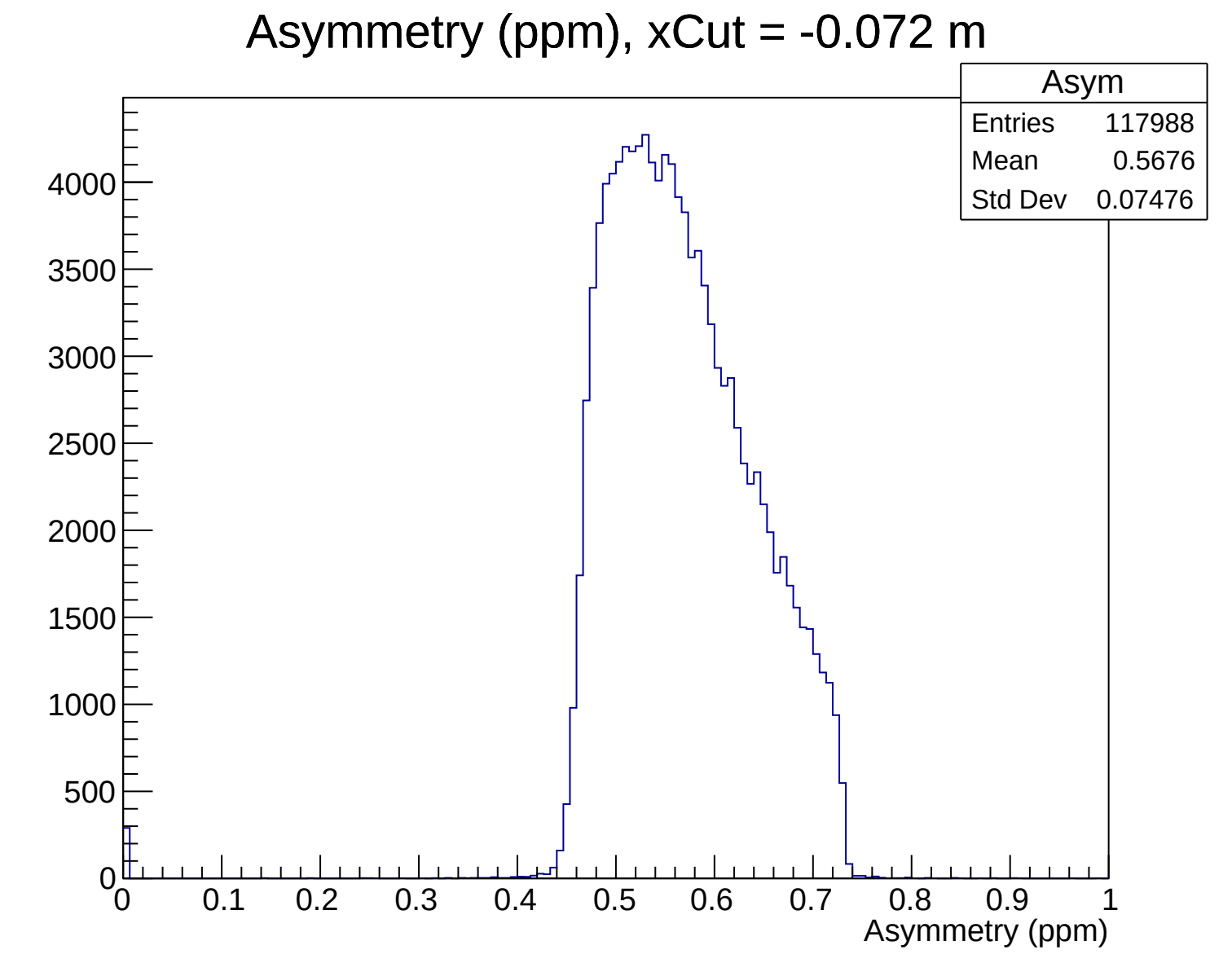

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

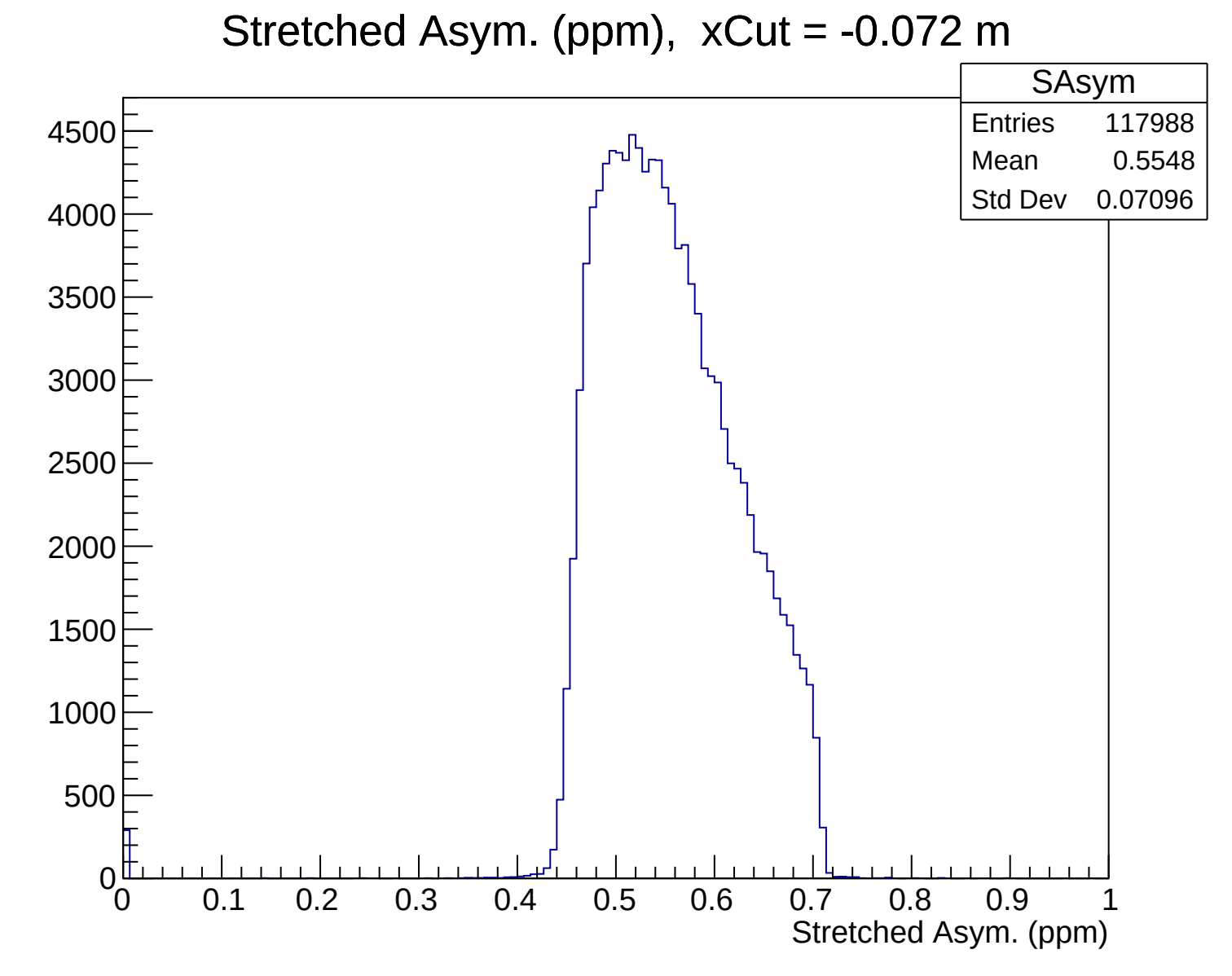

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

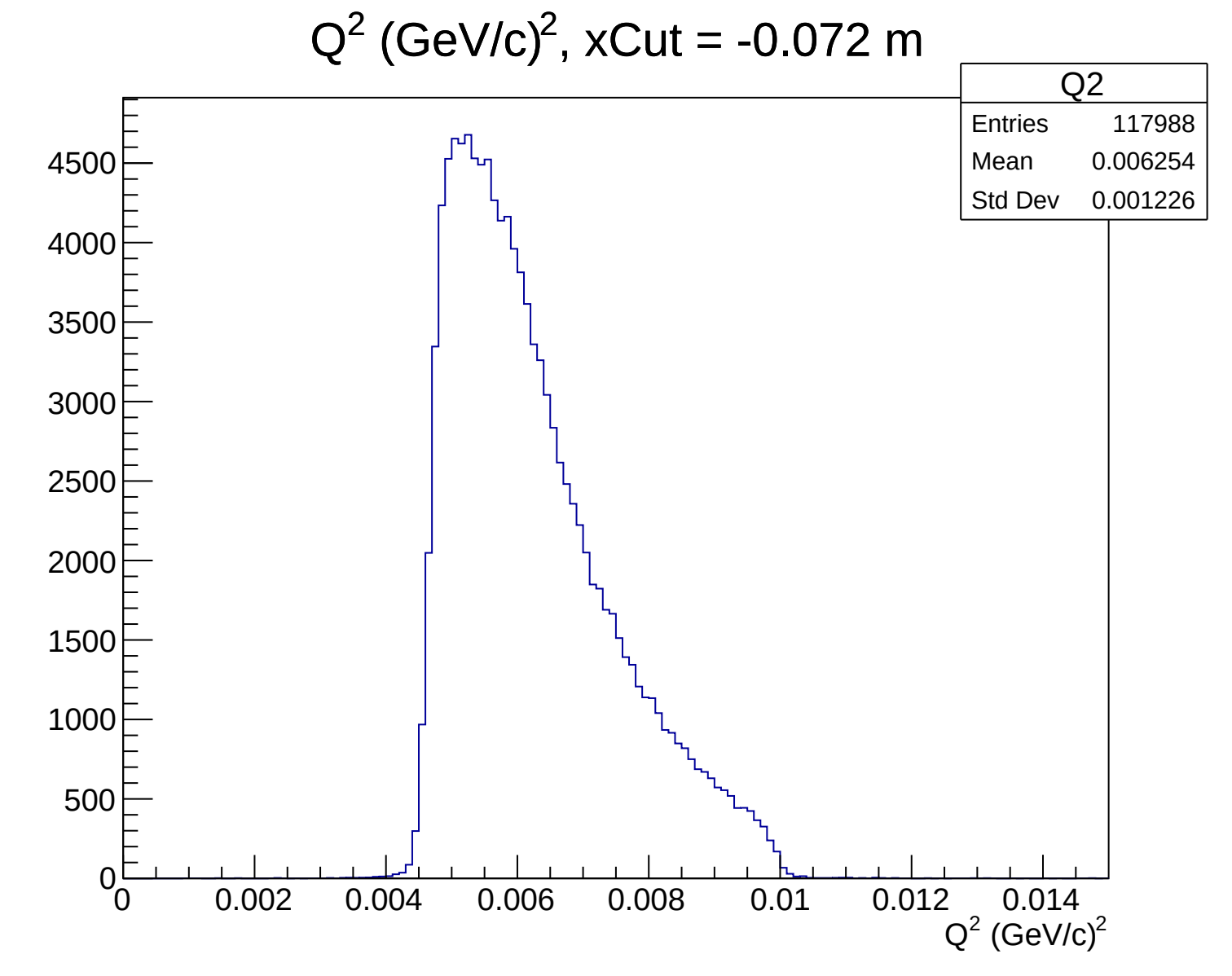

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.072
L.tr.x[0]+1.3*L.tr.th[0] (m)

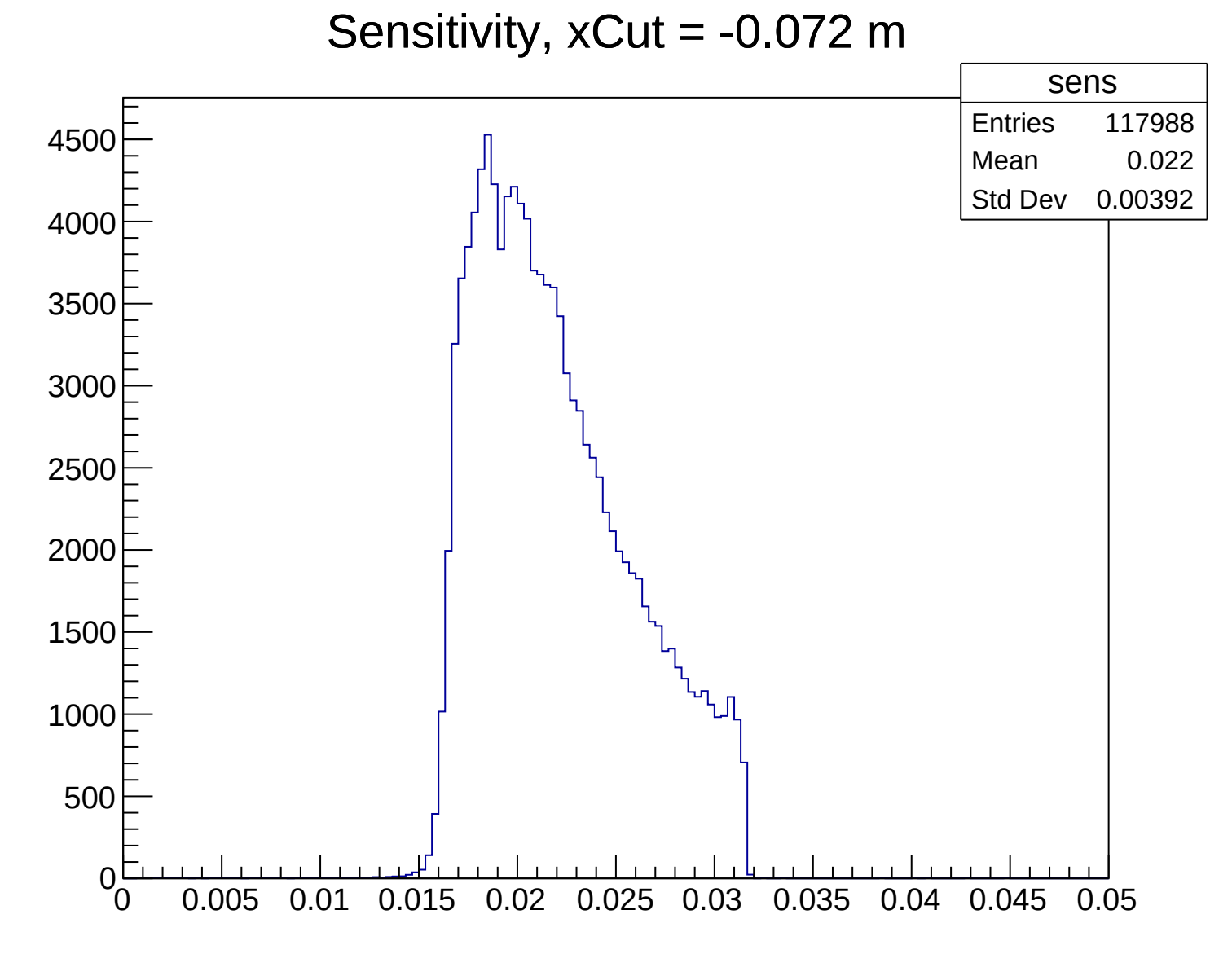

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

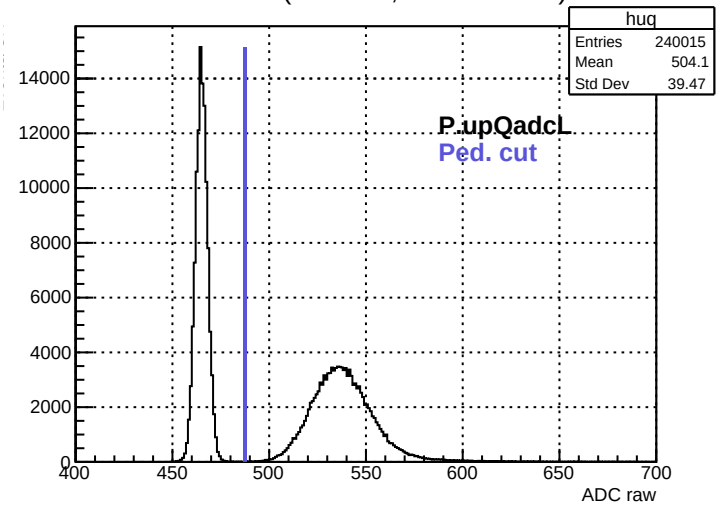

θlab (deg), xCut = -0.072 m
Theta
Entries 117988
Mean 4.759
Std Dev 0.4546
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

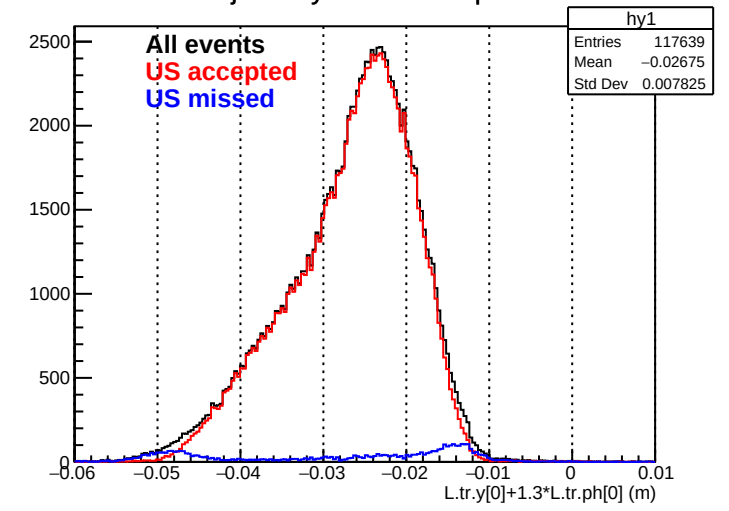

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 117988
Mean 0.5676
Std Dev 0.07476
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

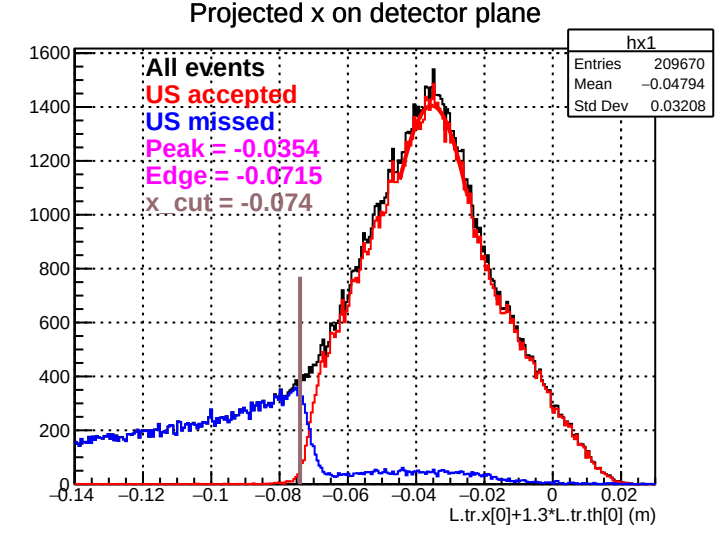

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 117988
Mean 0.5548
Std Dev 0.07096
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

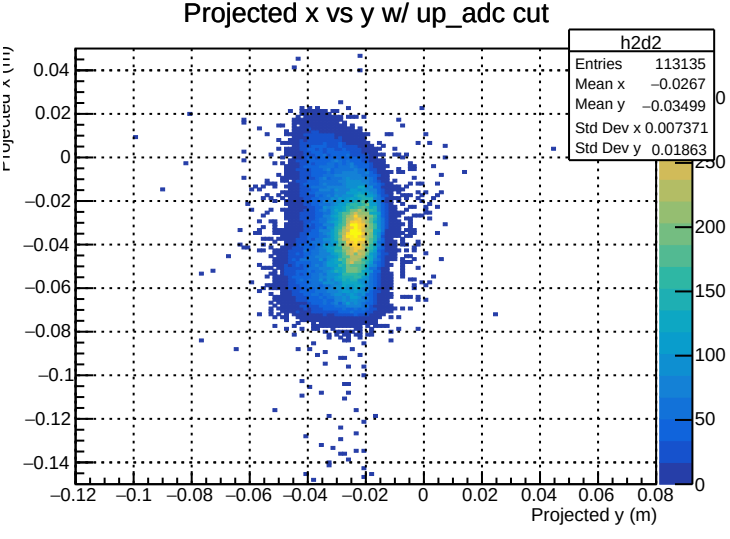

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 117988
Mean 0.006254
Std Dev 0.001226
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

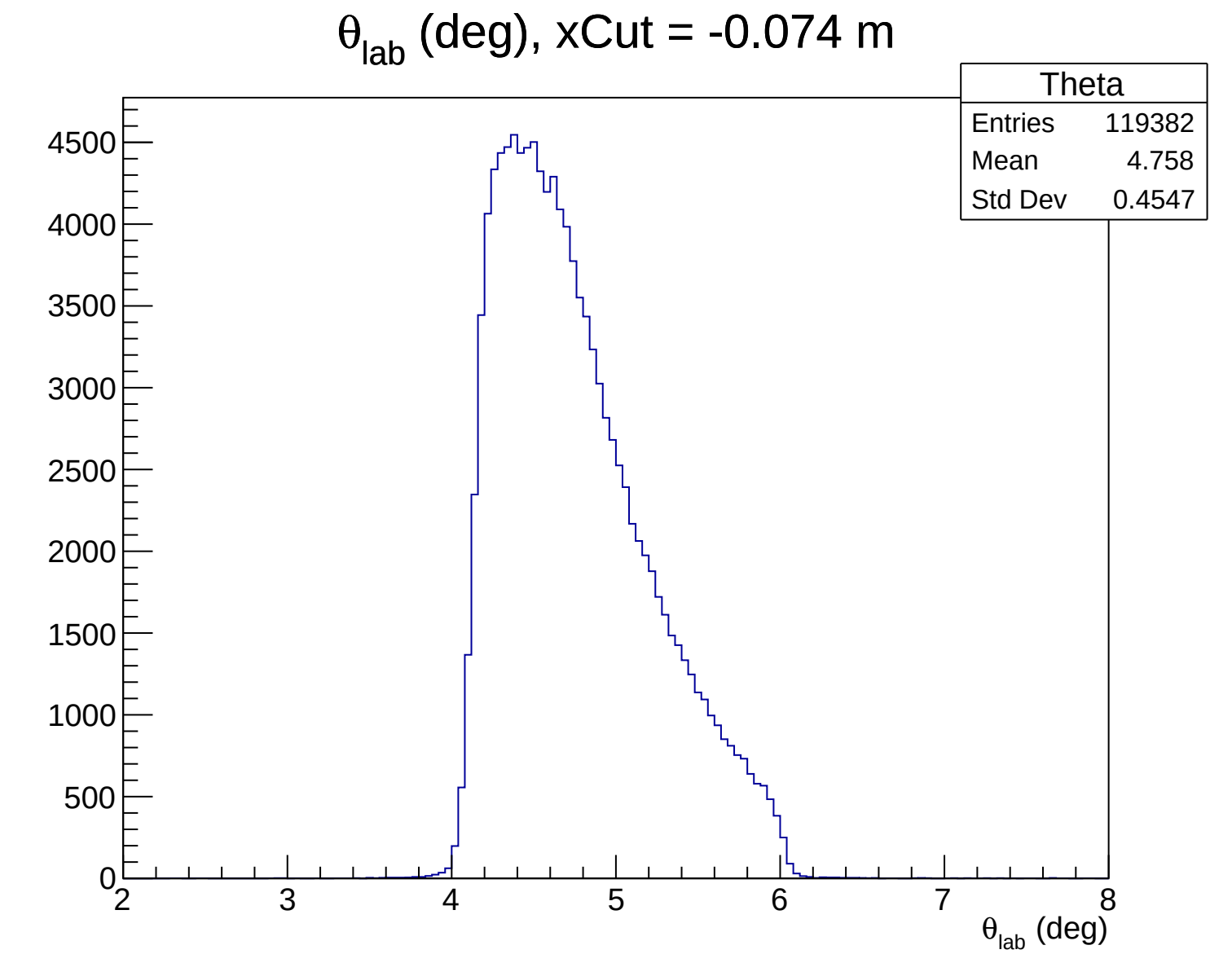

Sensitivity, xCut = -0.072 m
sens
Entries 117988
Mean 0.022
Std Dev 0.00392
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

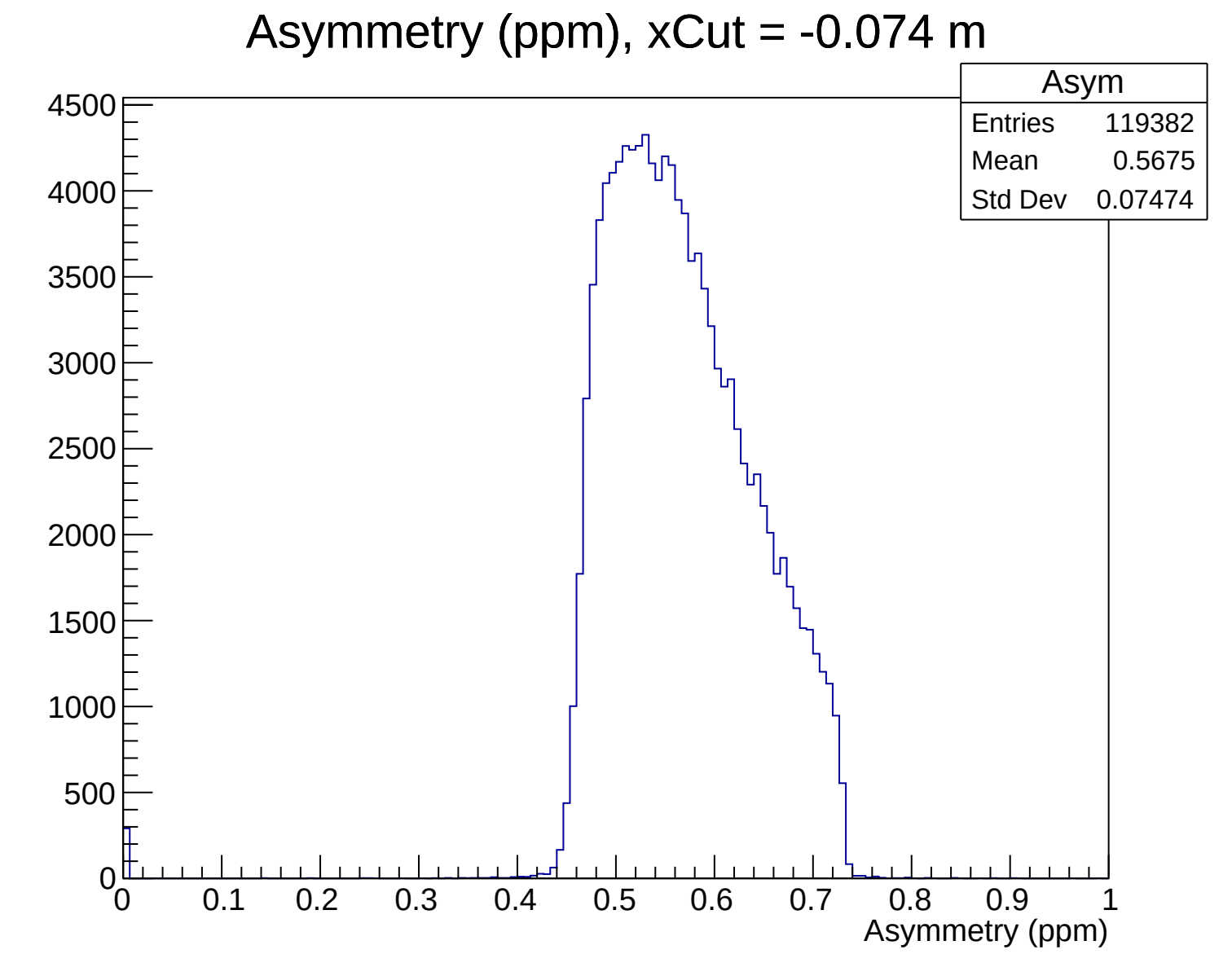

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

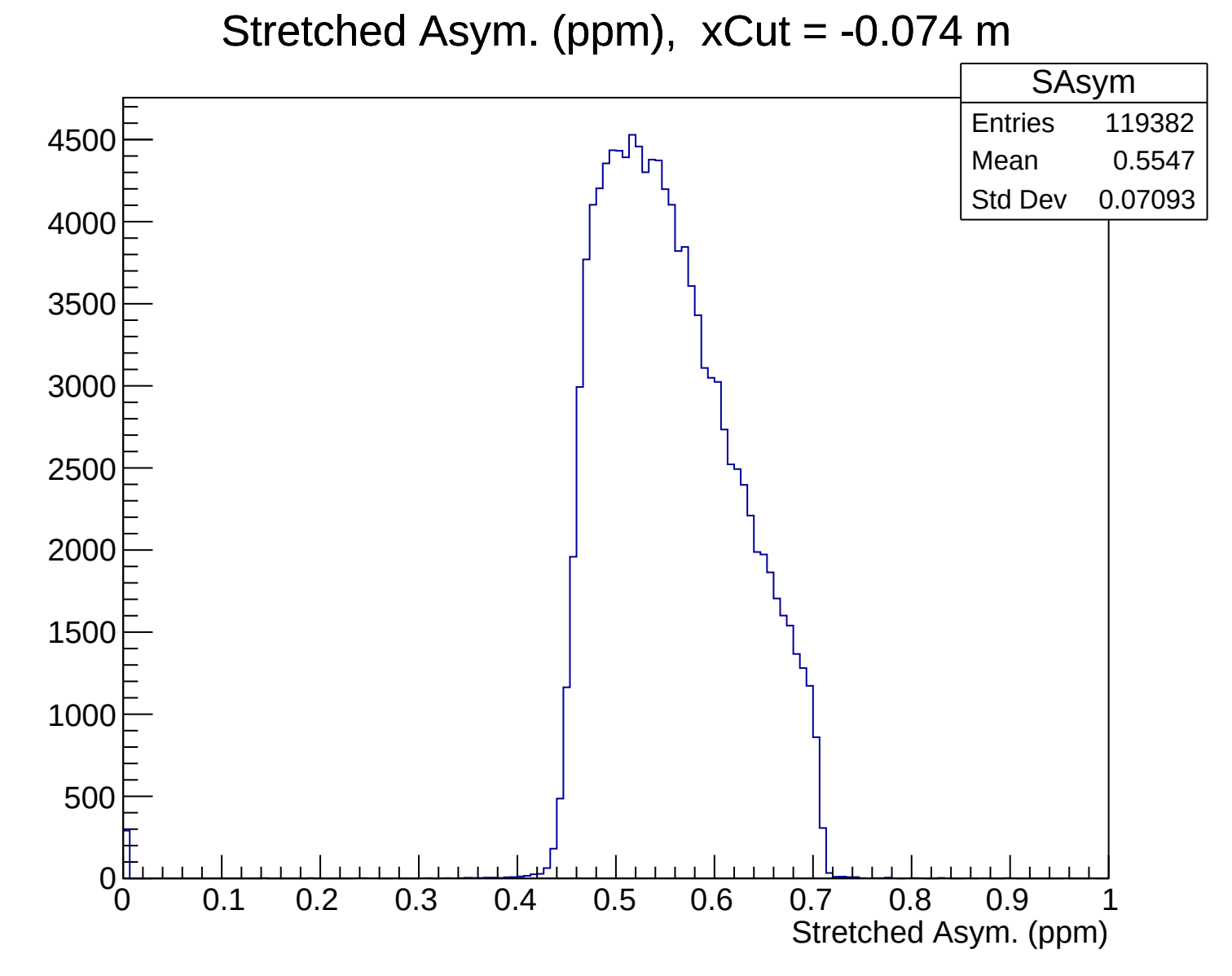

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

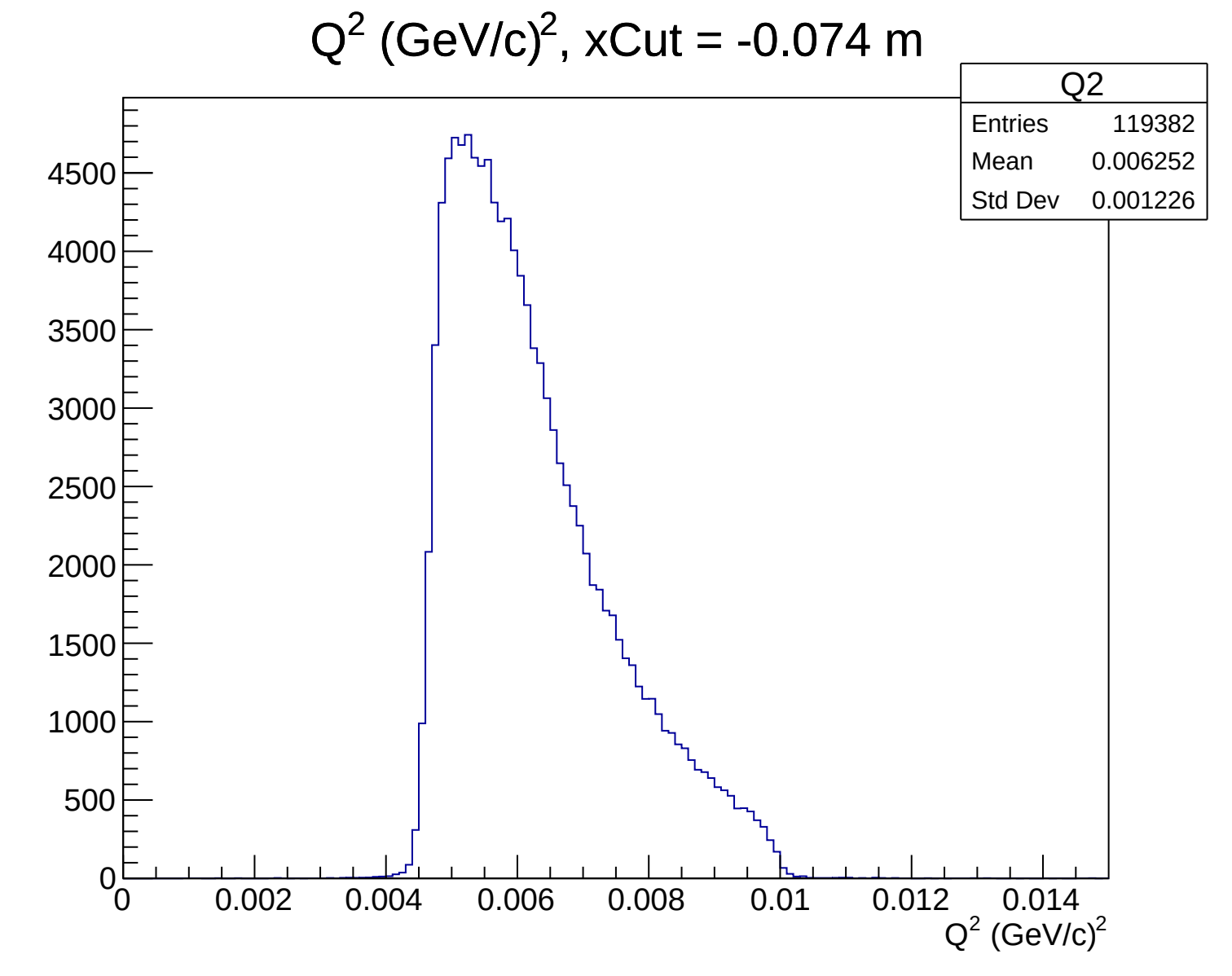

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.074
L.tr.x[0]+1.3*L.tr.th[0] (m)

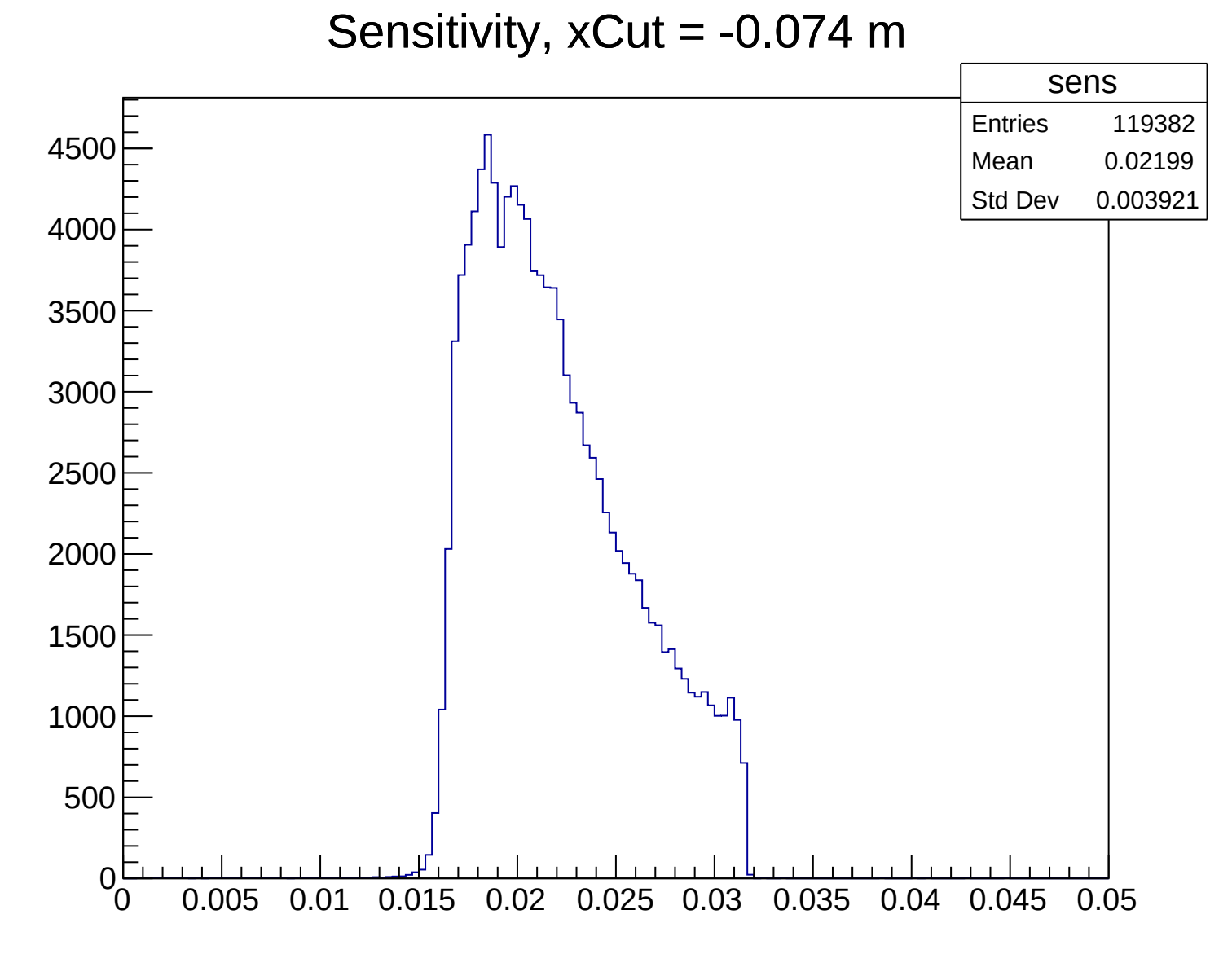

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

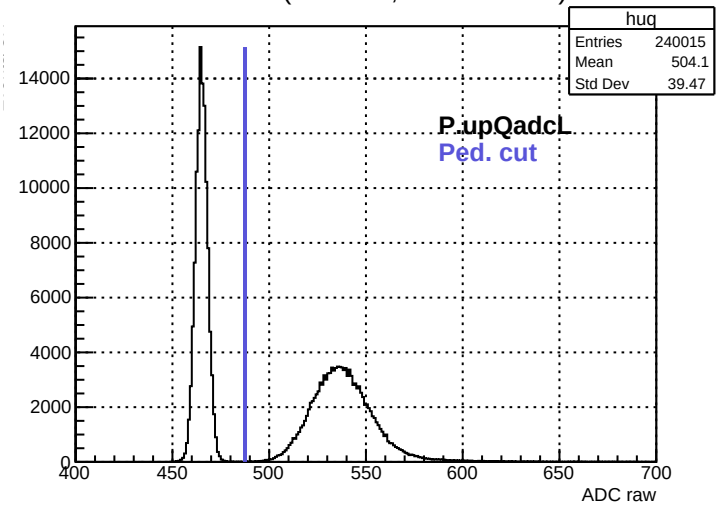

θlab (deg), xCut = -0.074 m
Theta
Entries 119382
Mean 4.758
Std Dev 0.4547
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

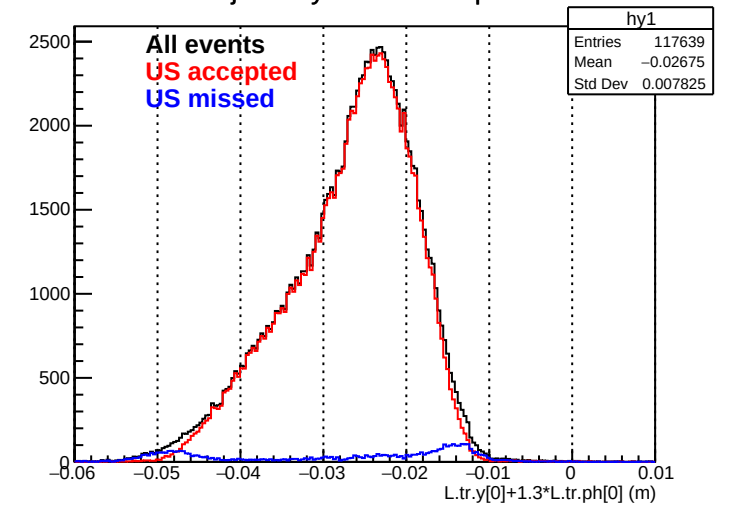

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 119382
Mean 0.5675
Std Dev 0.07474
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

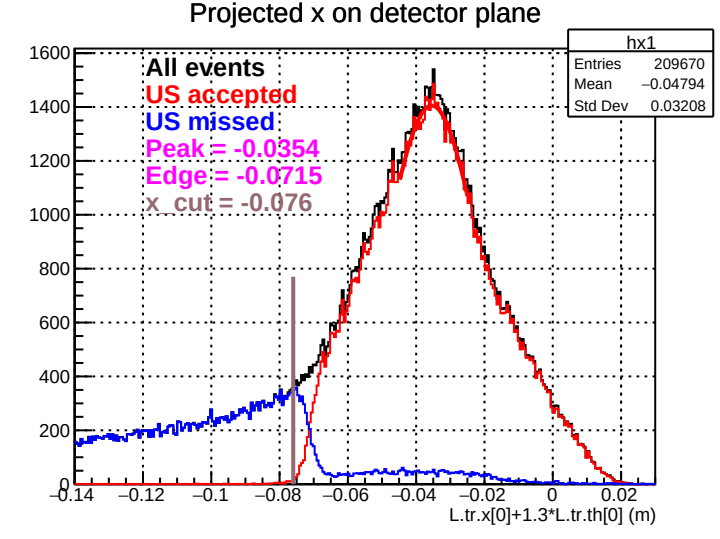

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 119382
Mean 0.5547
Std Dev 0.07093
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

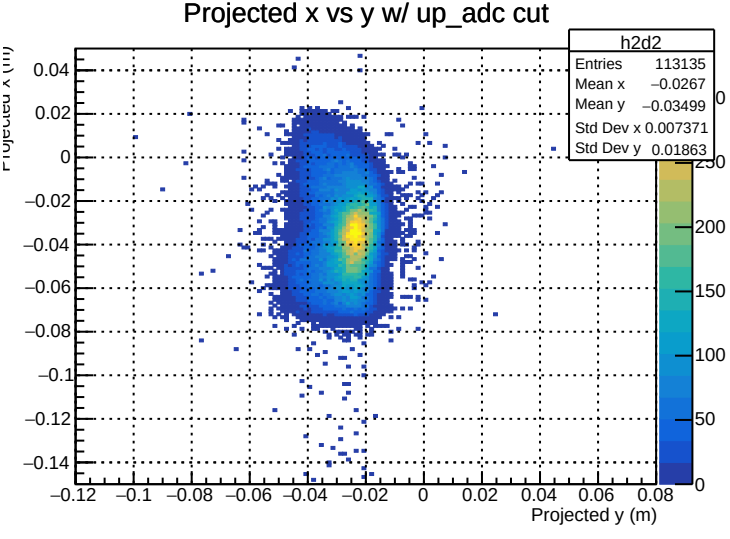

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 119382
Mean 0.006252
Std Dev 0.001226
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

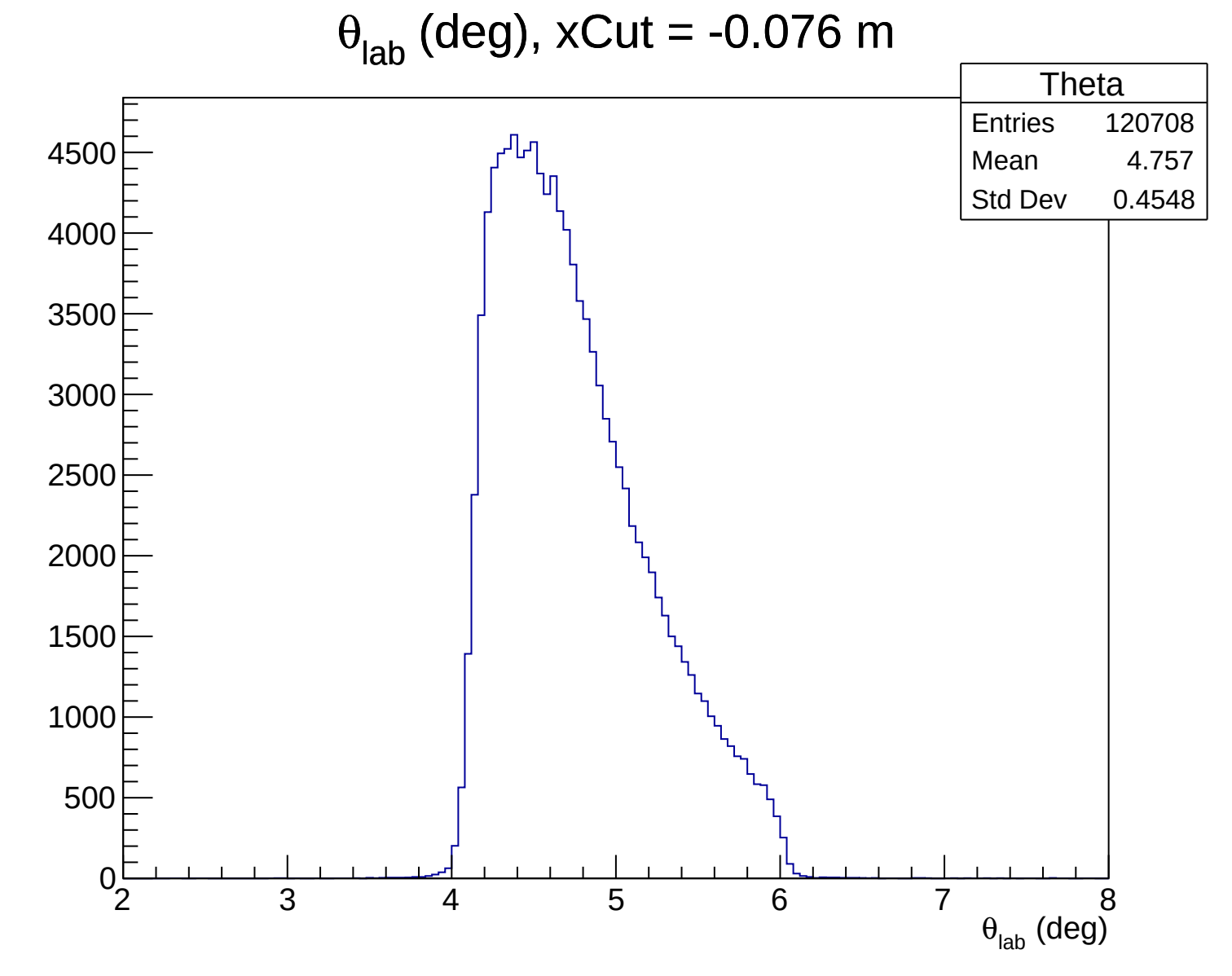

Sensitivity, xCut = -0.074 m
sens
Entries 119382
Mean 0.02199
Std Dev 0.003921
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

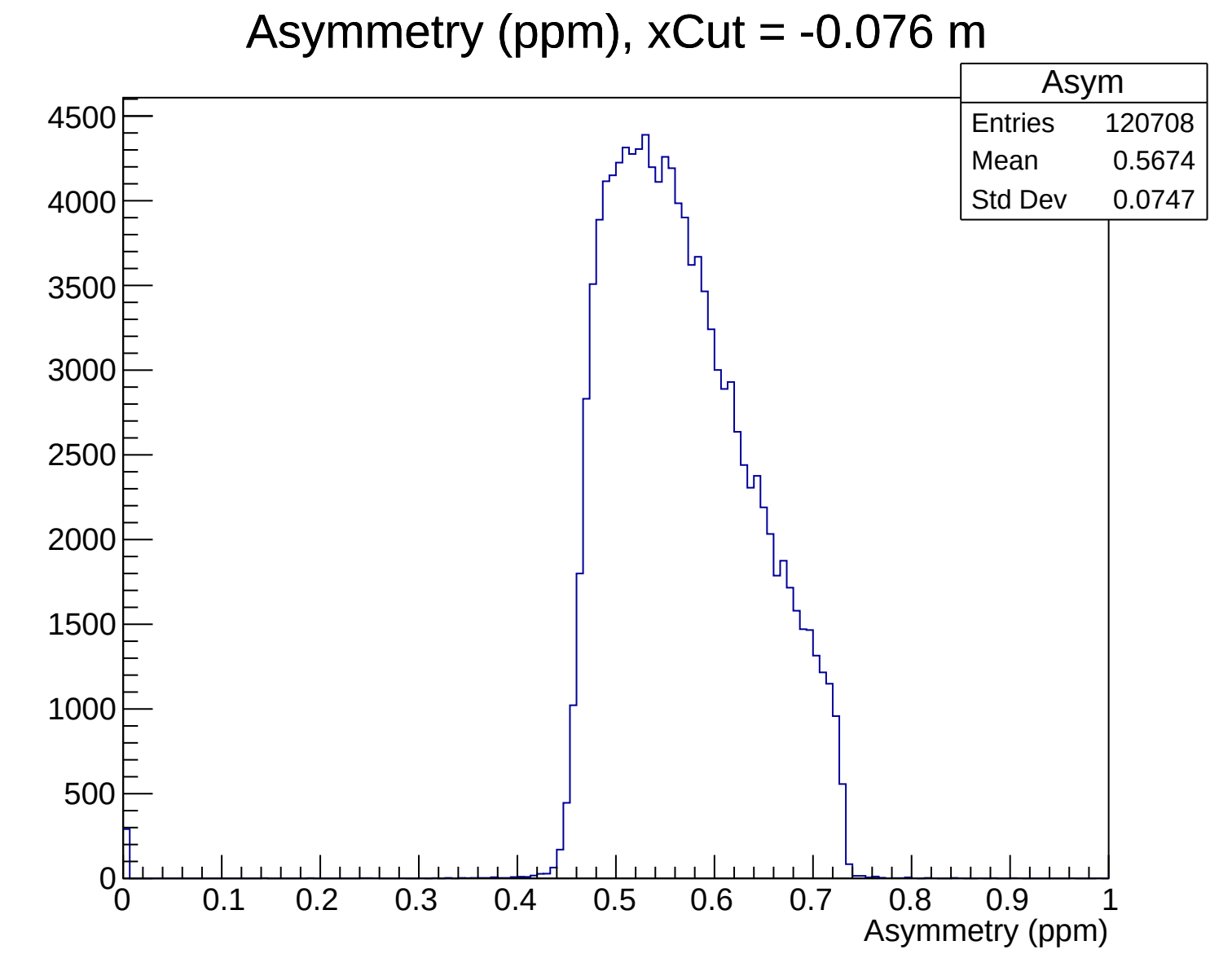

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

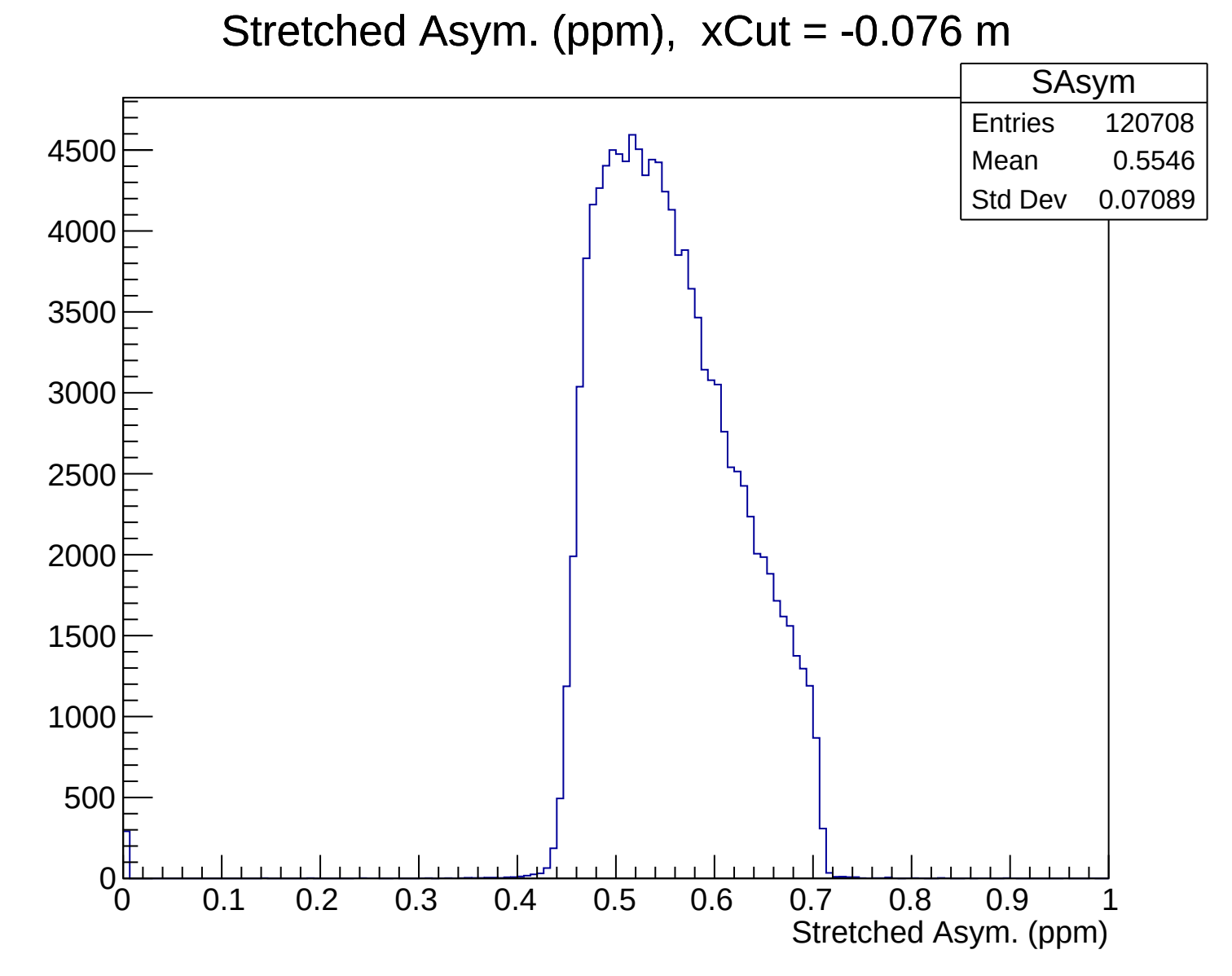

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

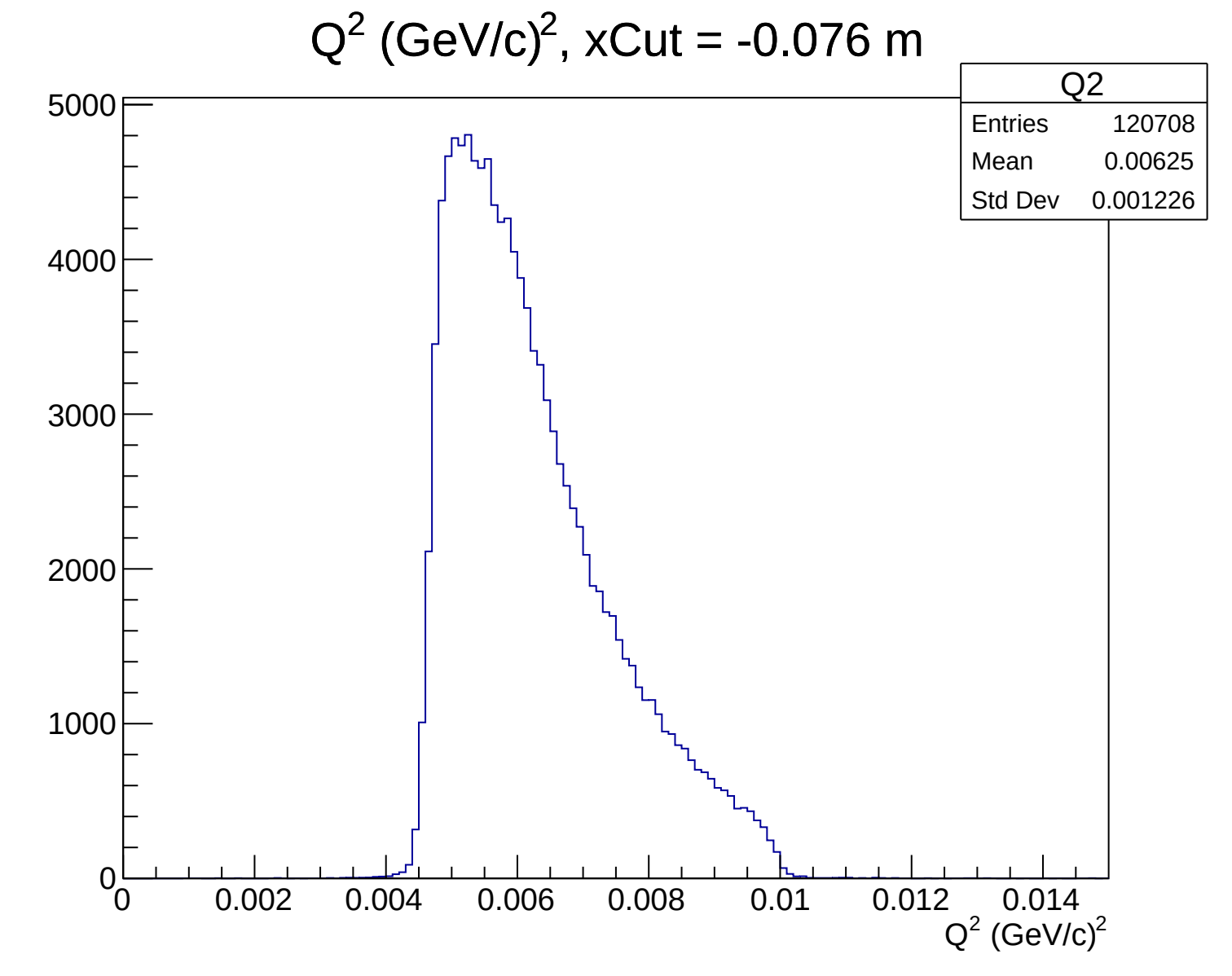

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.076
L.tr.x[0]+1.3*L.tr.th[0] (m)

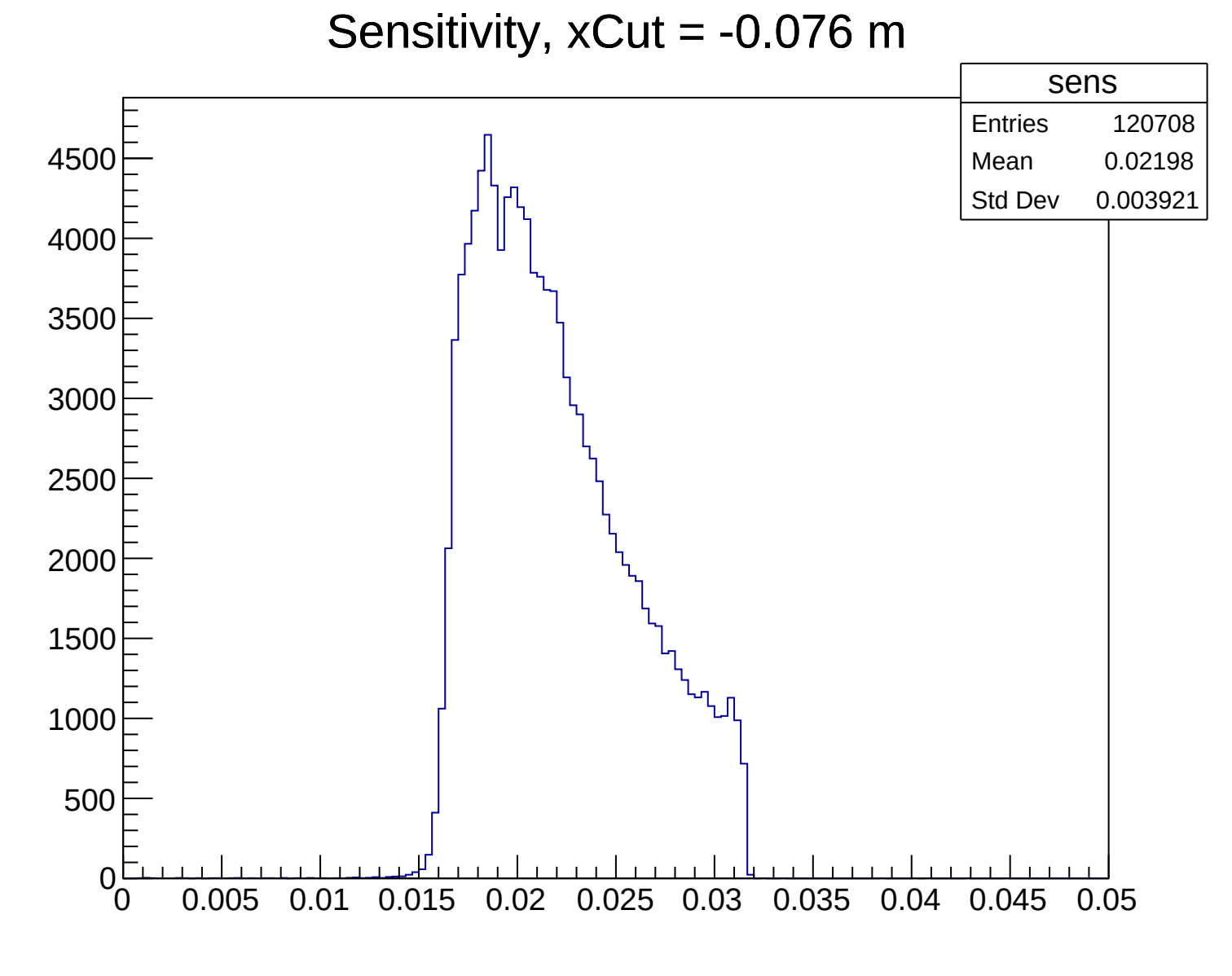

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

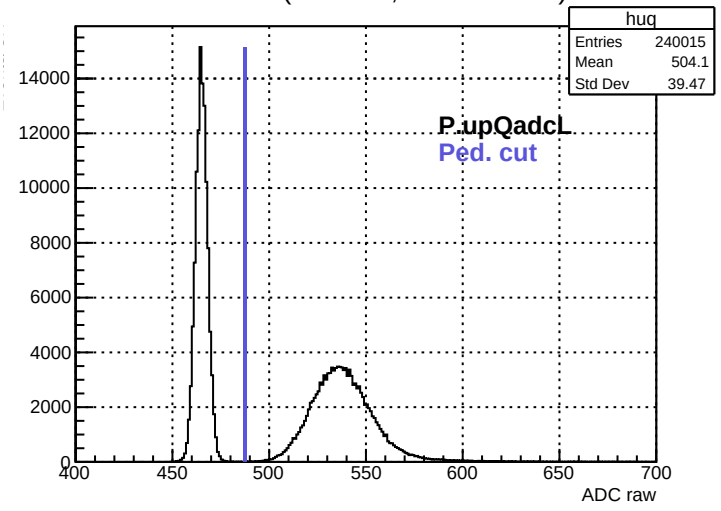

θlab (deg), xCut = -0.076 m
Theta
Entries 120708
Mean 4.757
Std Dev 0.4548
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

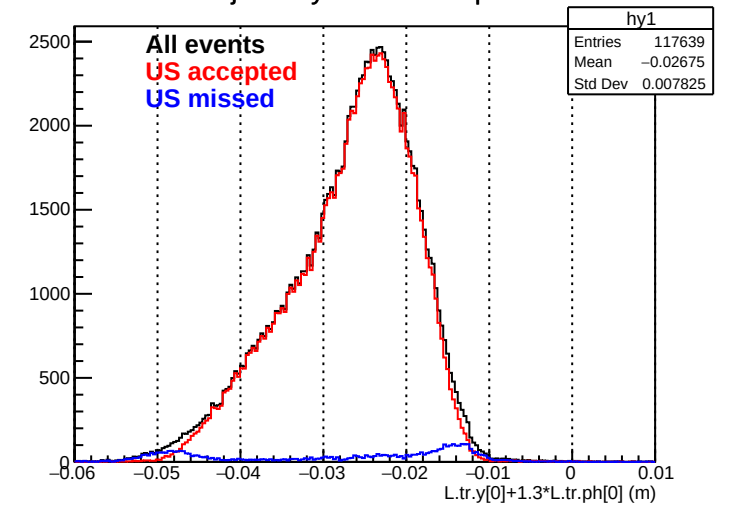

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 120708
Mean 0.5674
Std Dev 0.0747
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

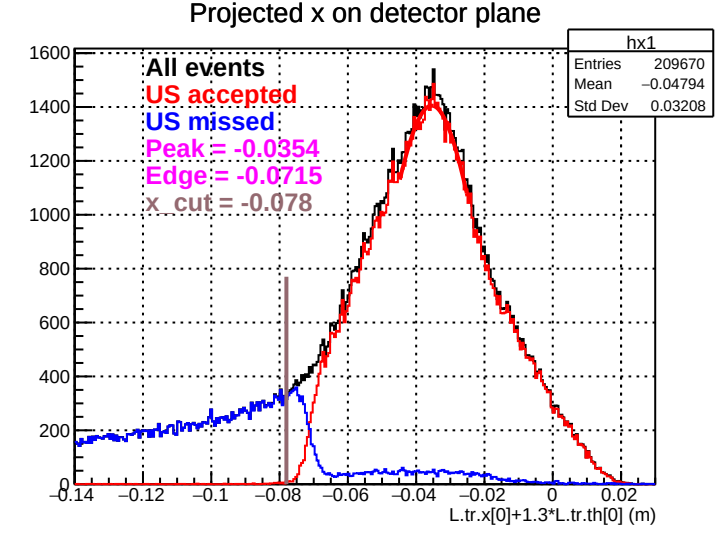

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 120708
Mean 0.5546
Std Dev 0.07089
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

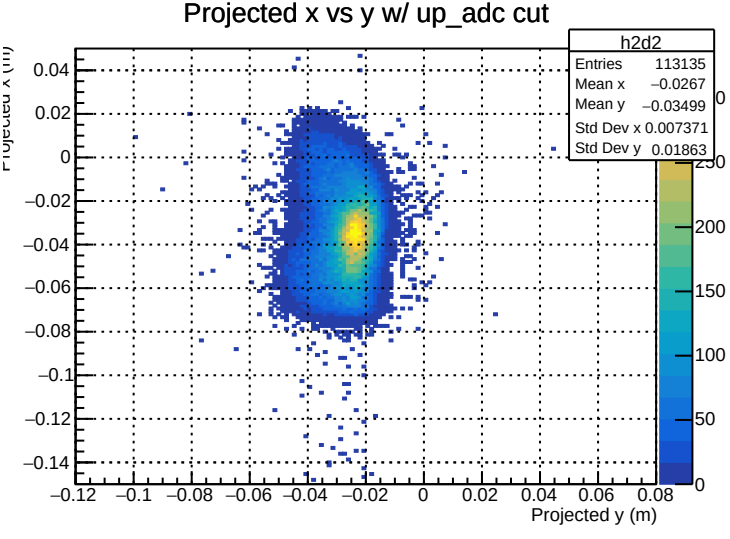

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 120708
Mean 0.00625
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

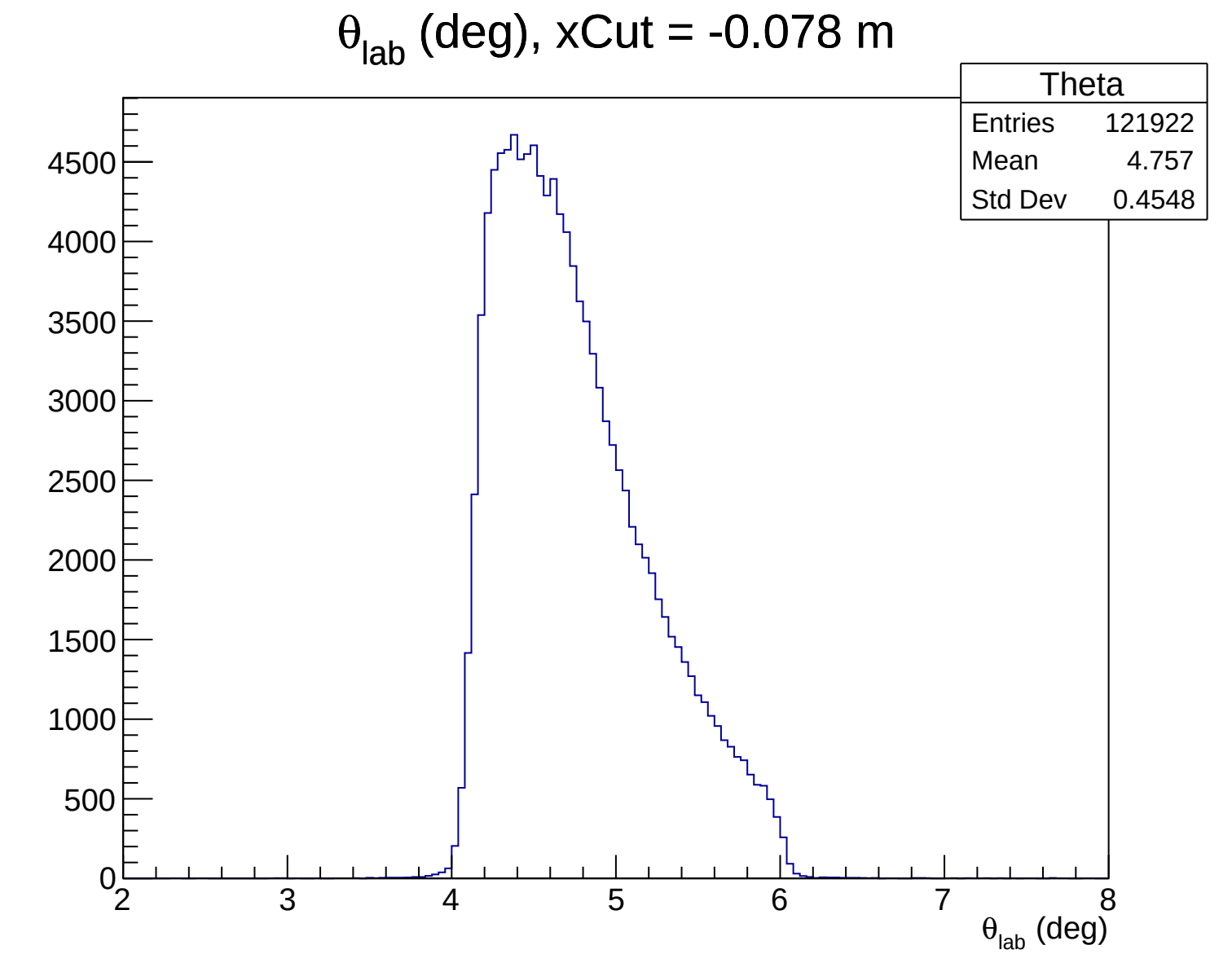

Sensitivity, xCut = -0.076 m
sens
Entries 120708
Mean 0.02198
Std Dev 0.003921
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

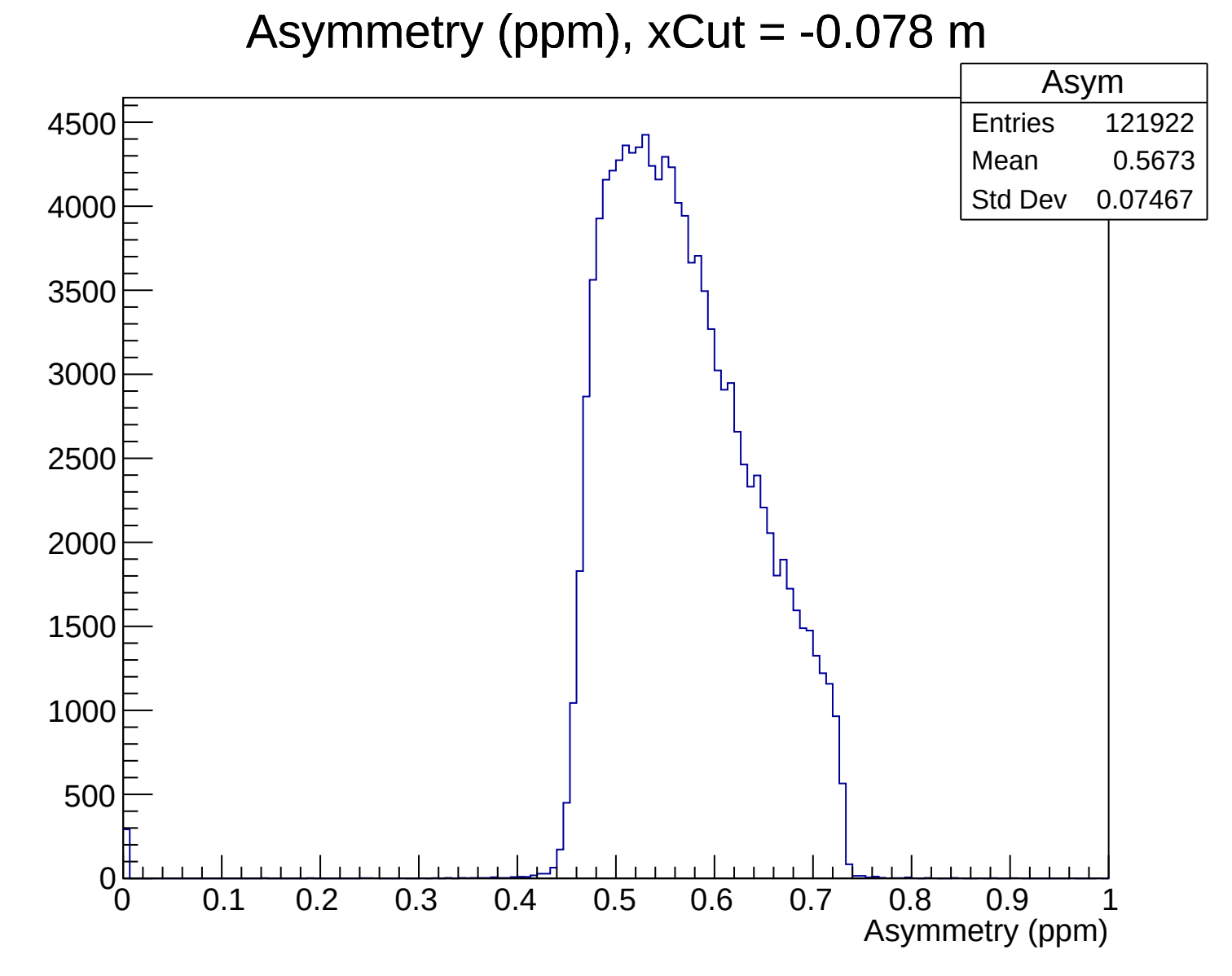

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

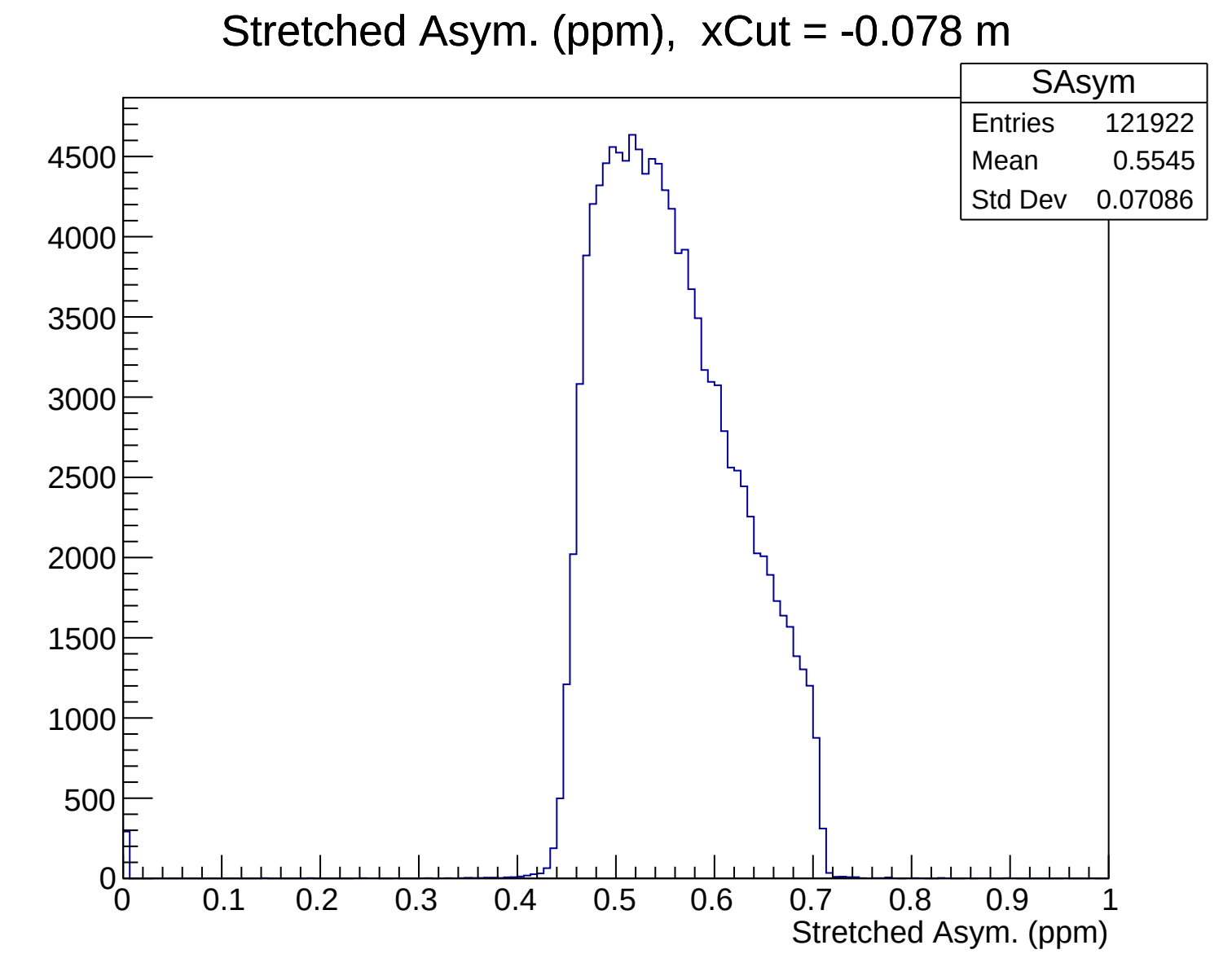

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

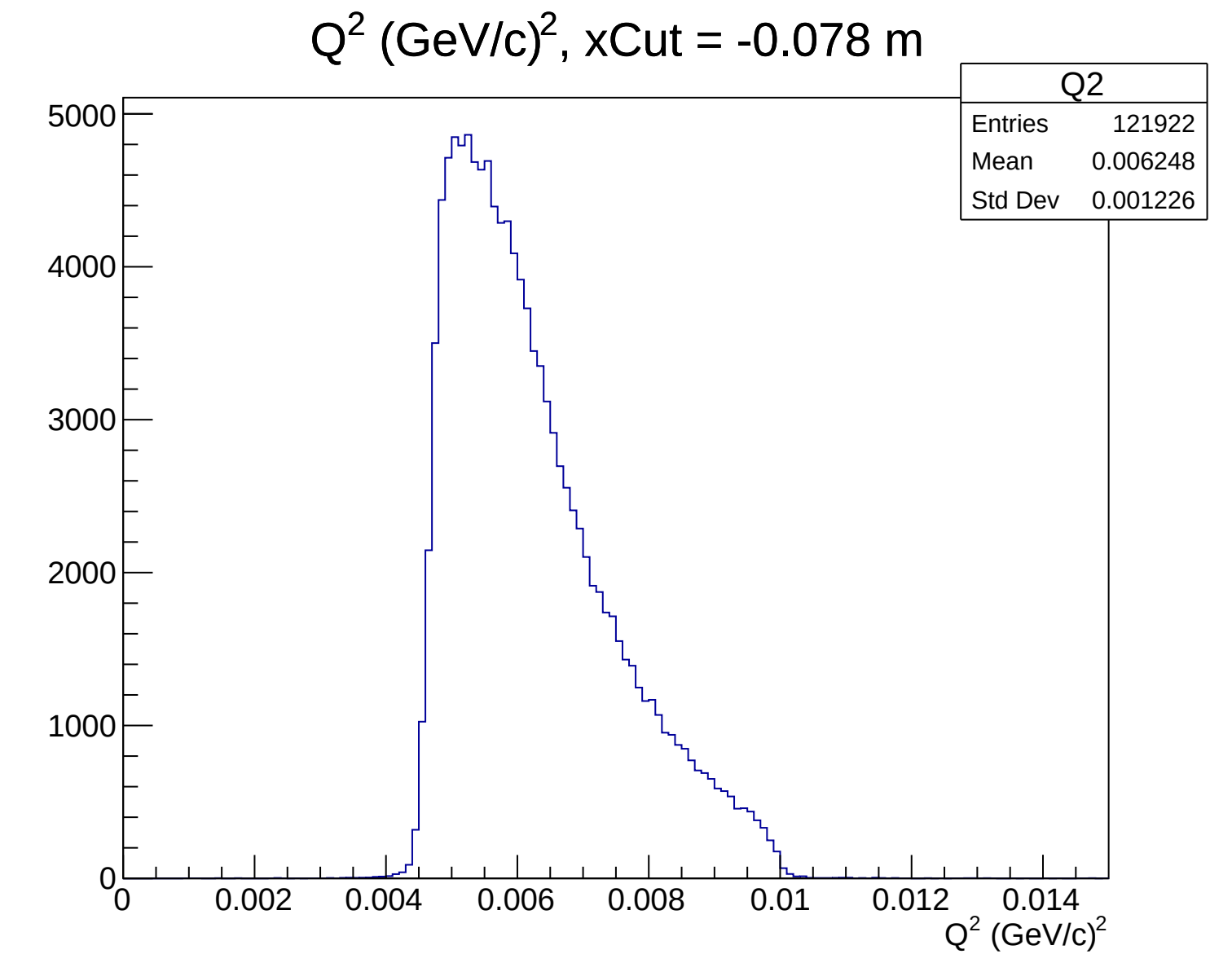

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.078
L.tr.x[0]+1.3*L.tr.th[0] (m)

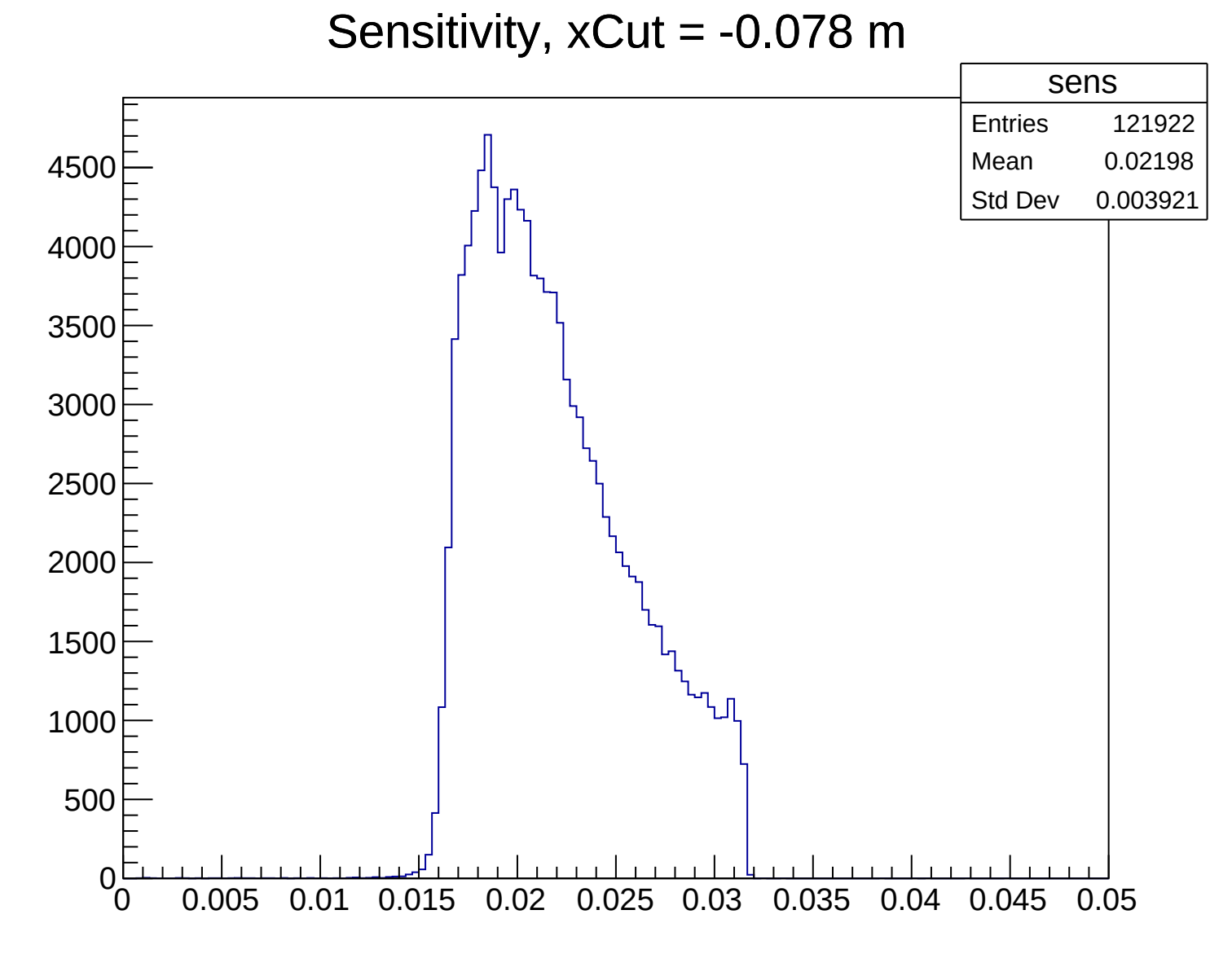

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

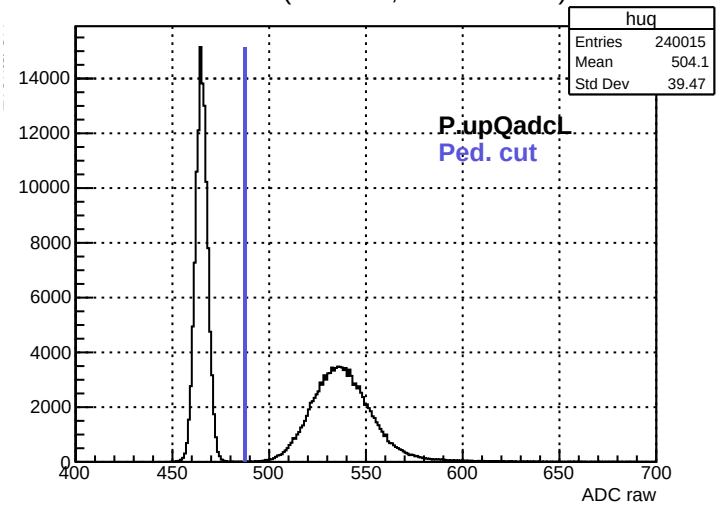

θlab (deg), xCut = -0.078 m
Theta
Entries 121922
Mean 4.757
Std Dev 0.4548
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

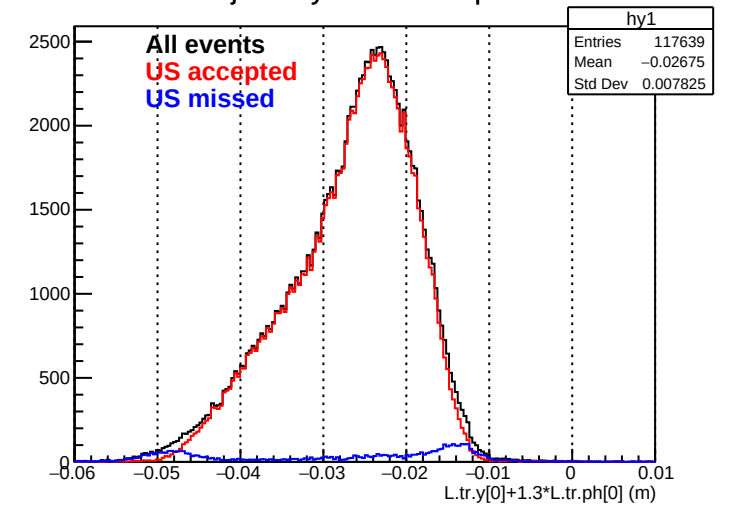

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 121922
Mean 0.5673
Std Dev 0.07467
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

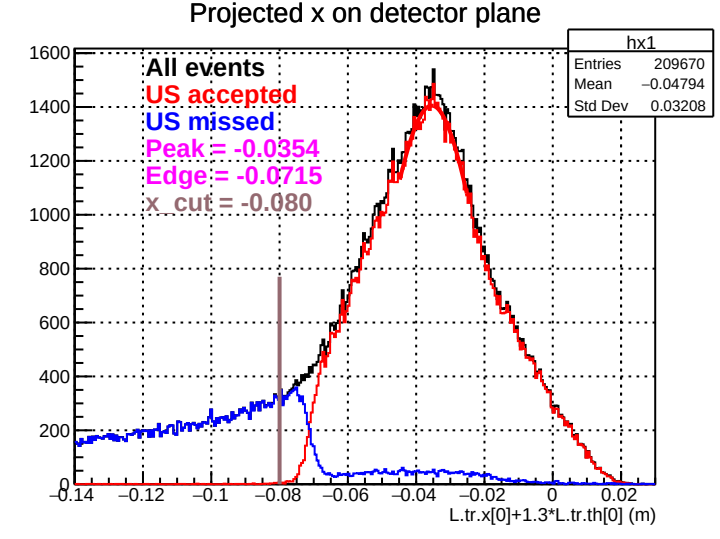

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 121922
Mean 0.5545
Std Dev 0.07086
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

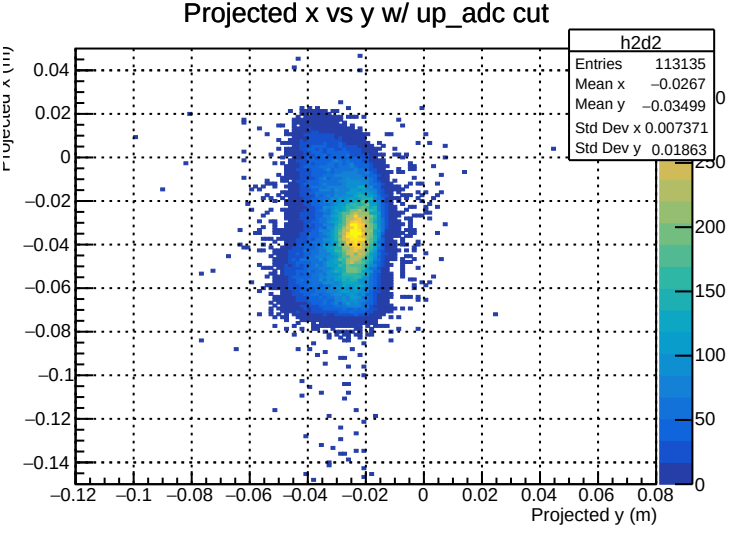

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 121922
Mean 0.006248
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

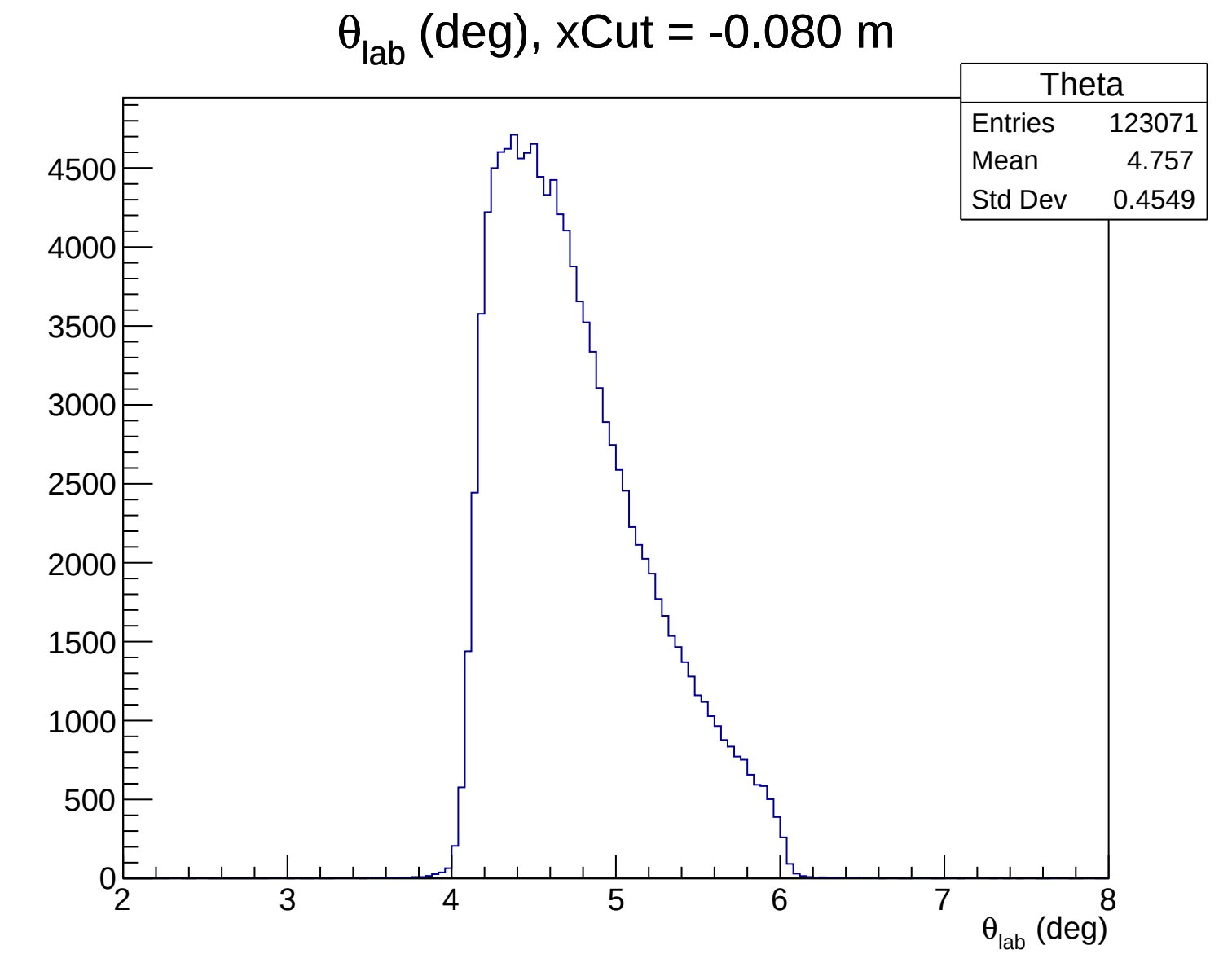

Sensitivity, xCut = -0.078 m
sens
Entries 121922
Mean 0.02198
Std Dev 0.003921
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

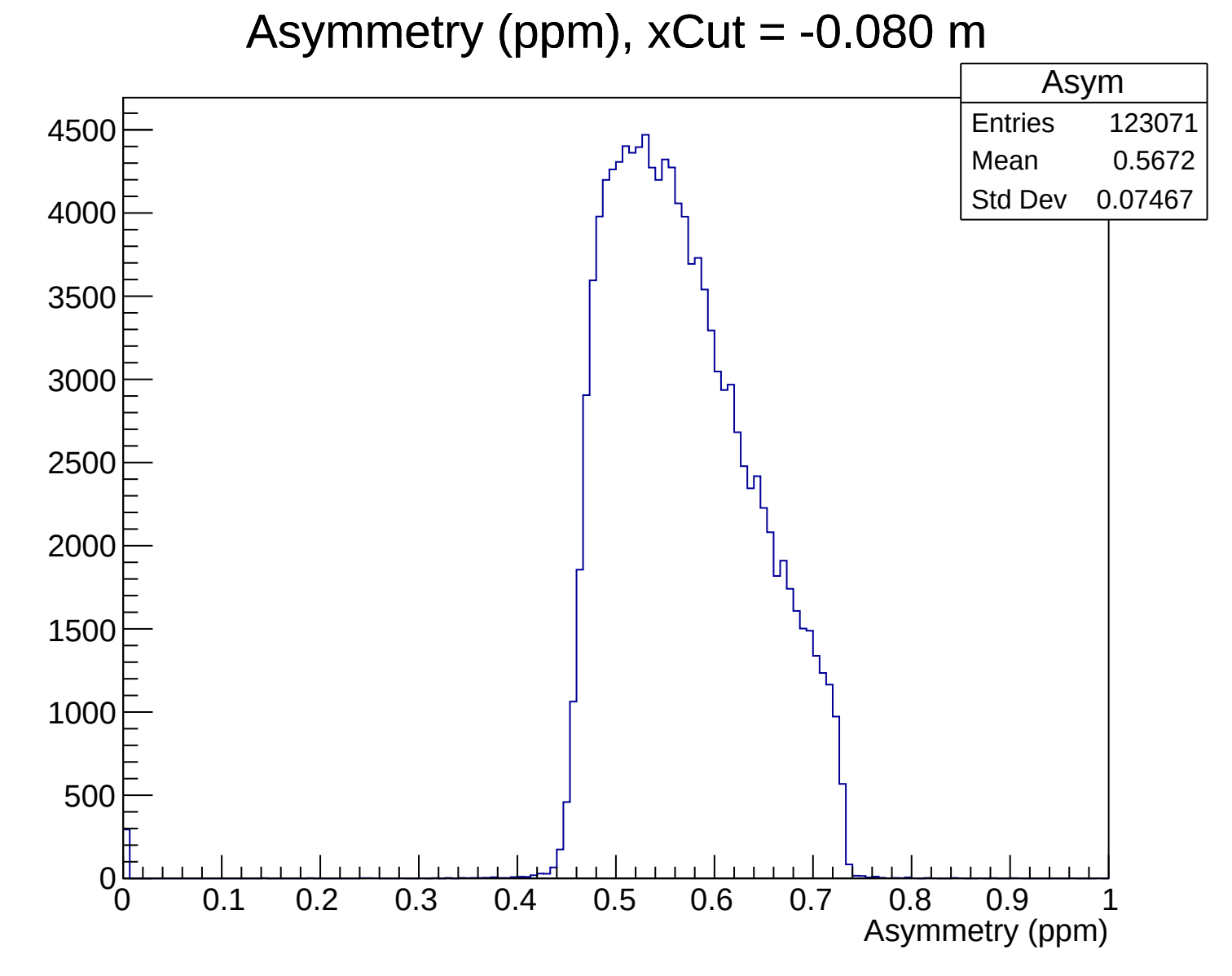

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

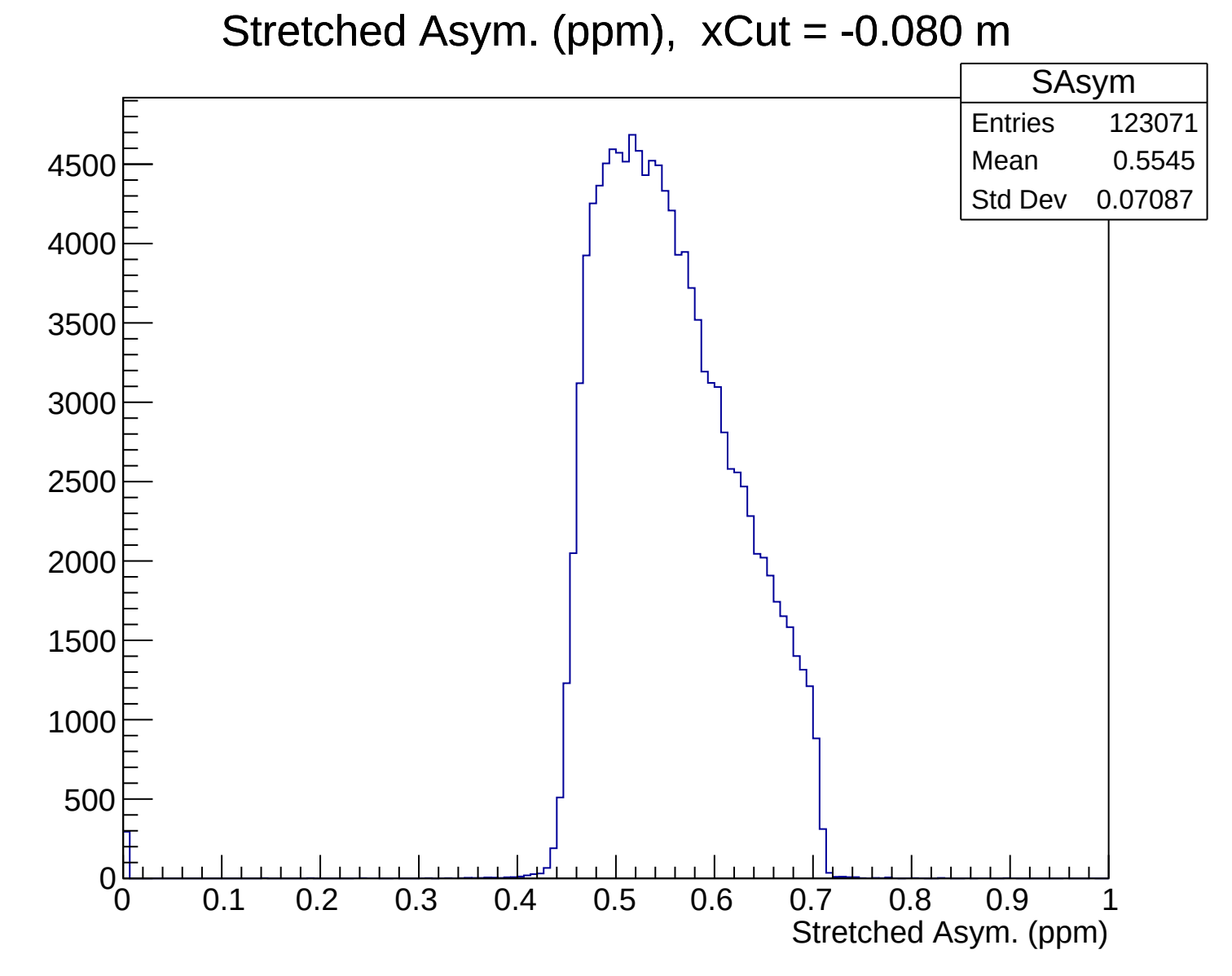

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

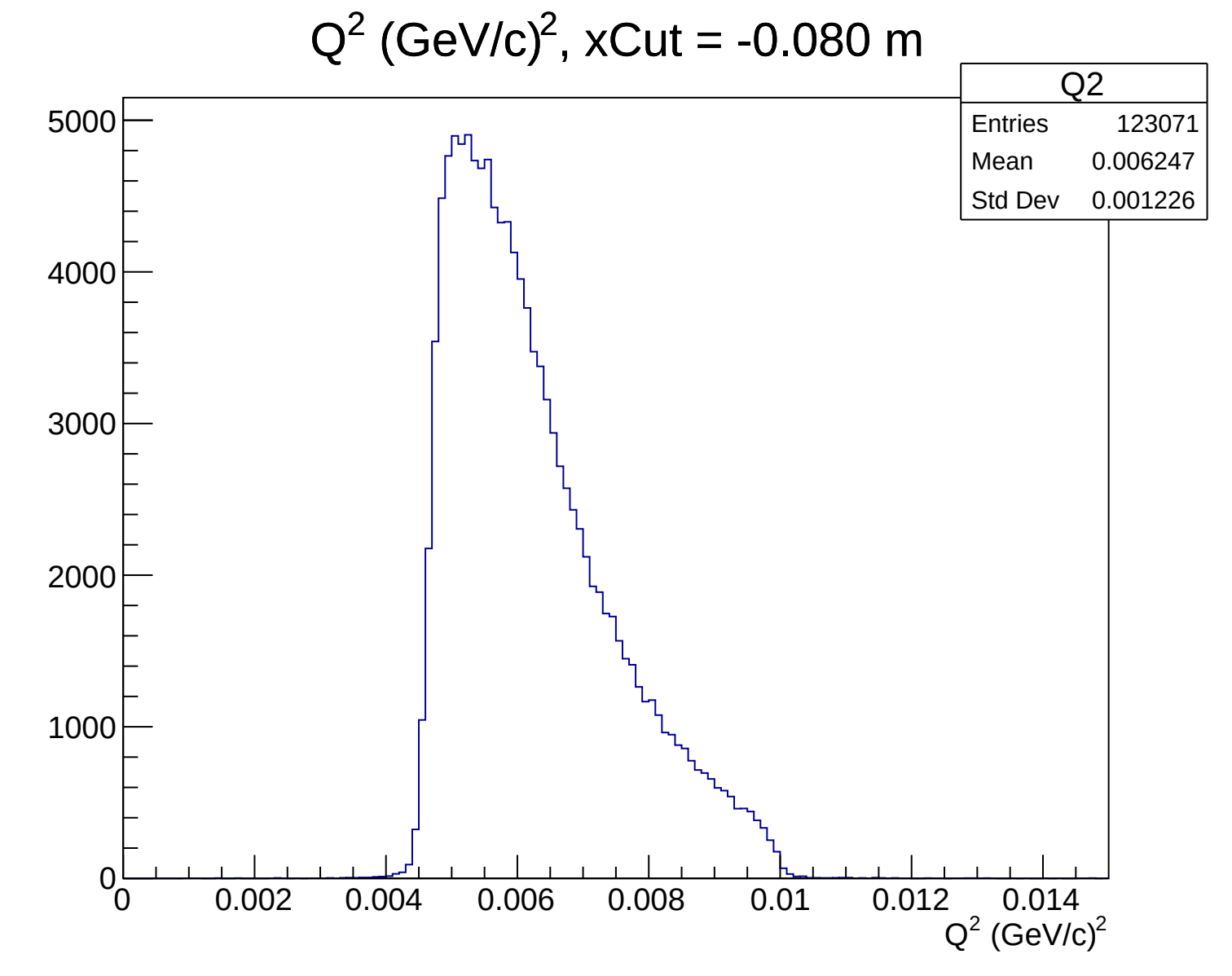

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

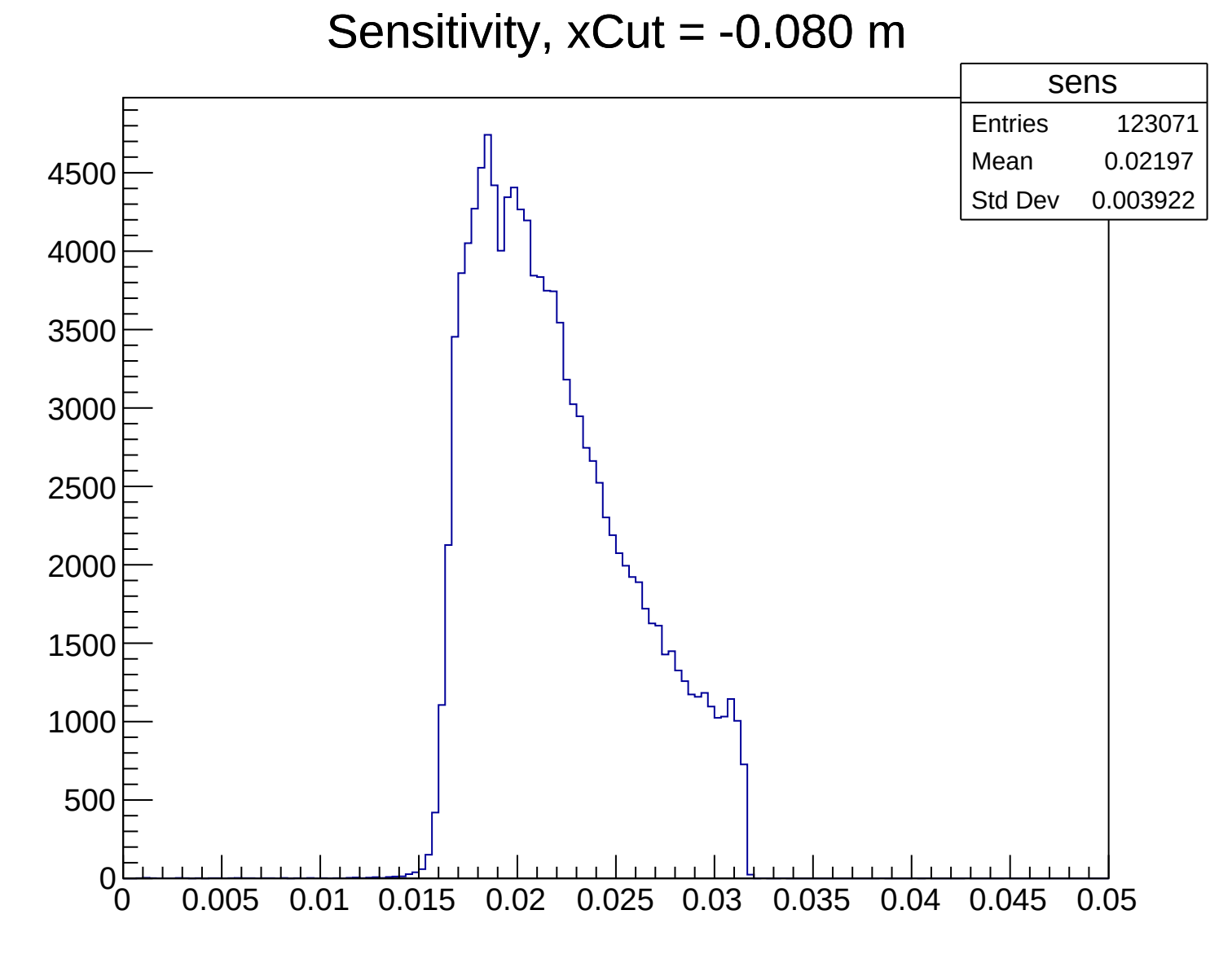

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

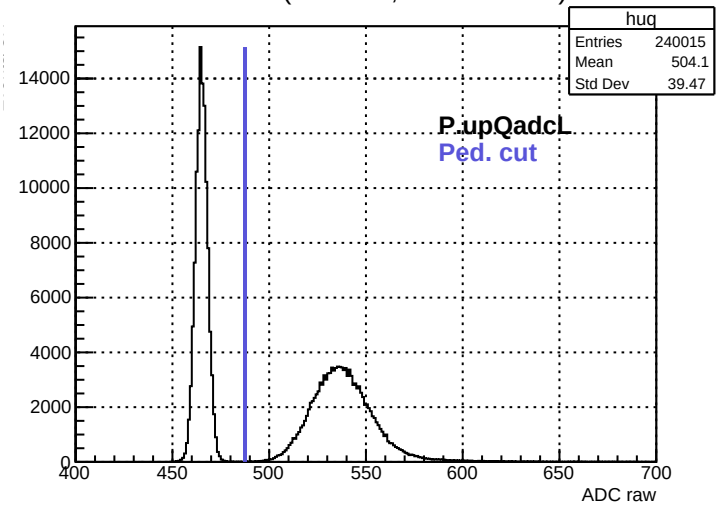

θlab (deg), xCut = -0.080 m
Theta
Entries 123071
Mean 4.757
Std Dev 0.4549
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

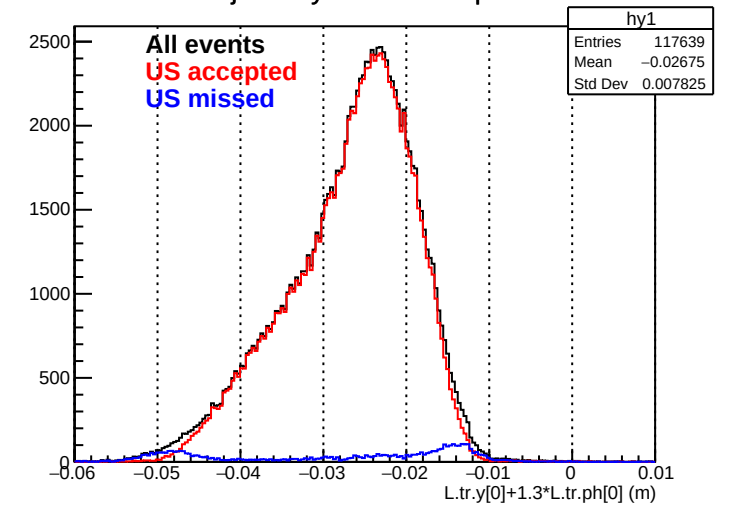

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 123071
Mean 0.5672
Std Dev 0.07467
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

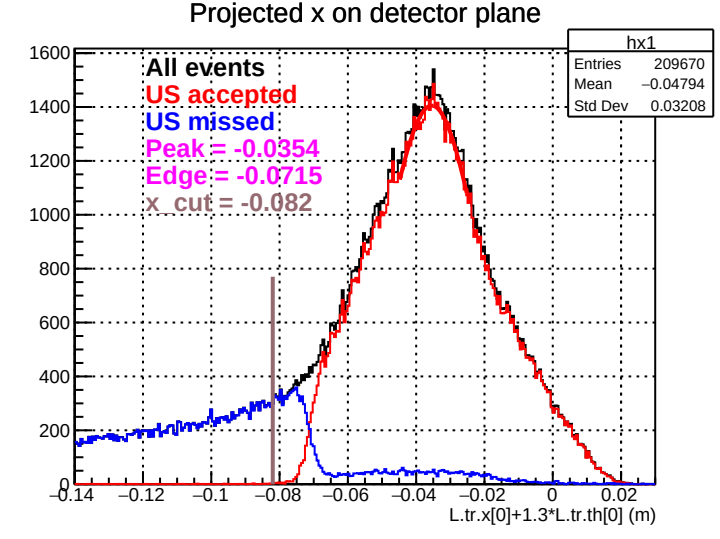

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 123071
Mean 0.5545
Std Dev 0.07087
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

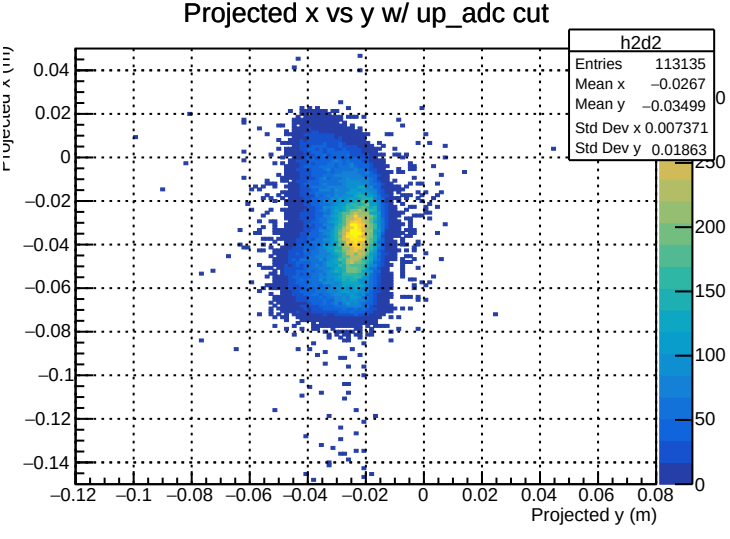

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 123071
Mean 0.006247
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

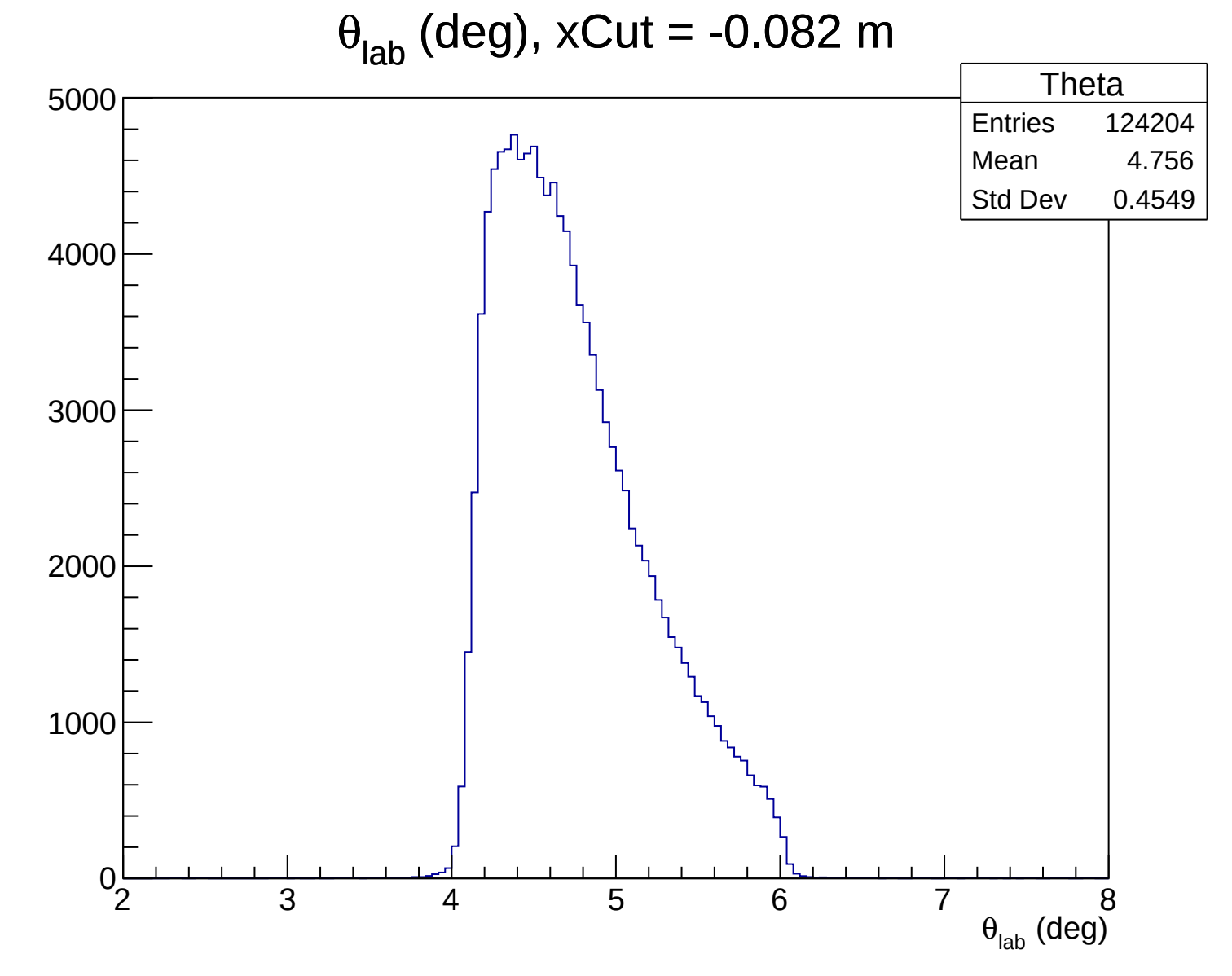

Sensitivity, xCut = -0.080 m
sens
Entries 123071
Mean 0.02197
Std Dev 0.003922
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

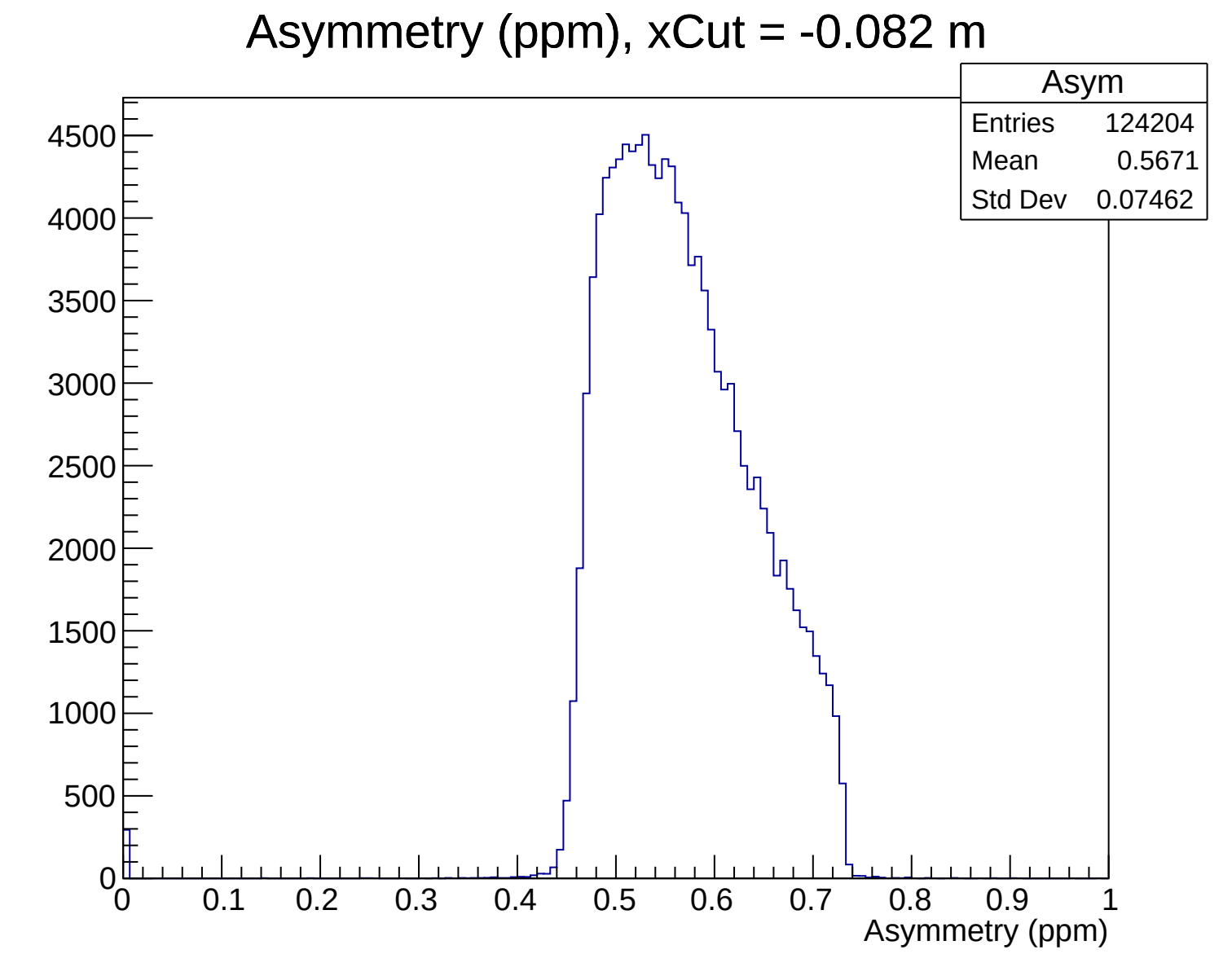

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

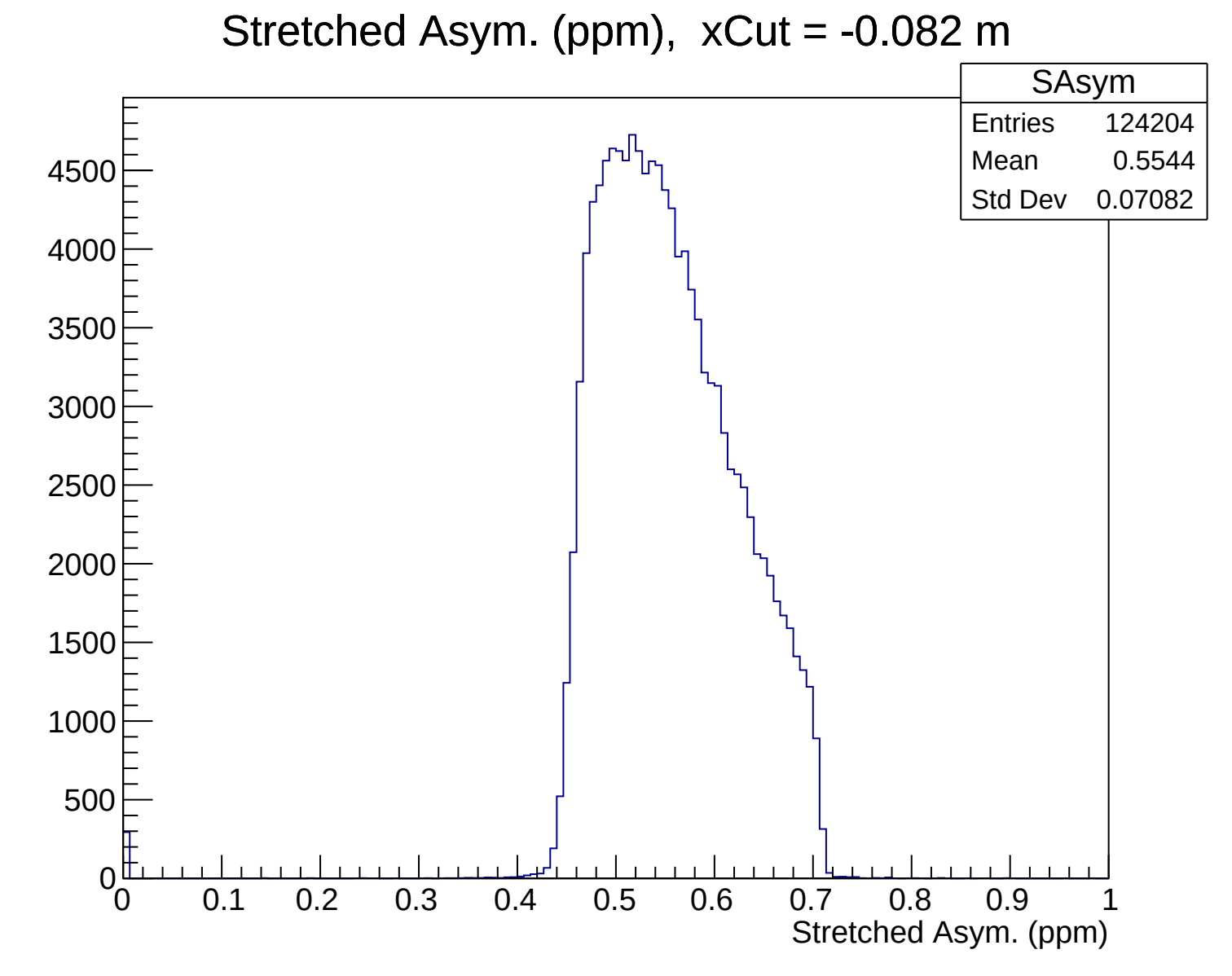

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

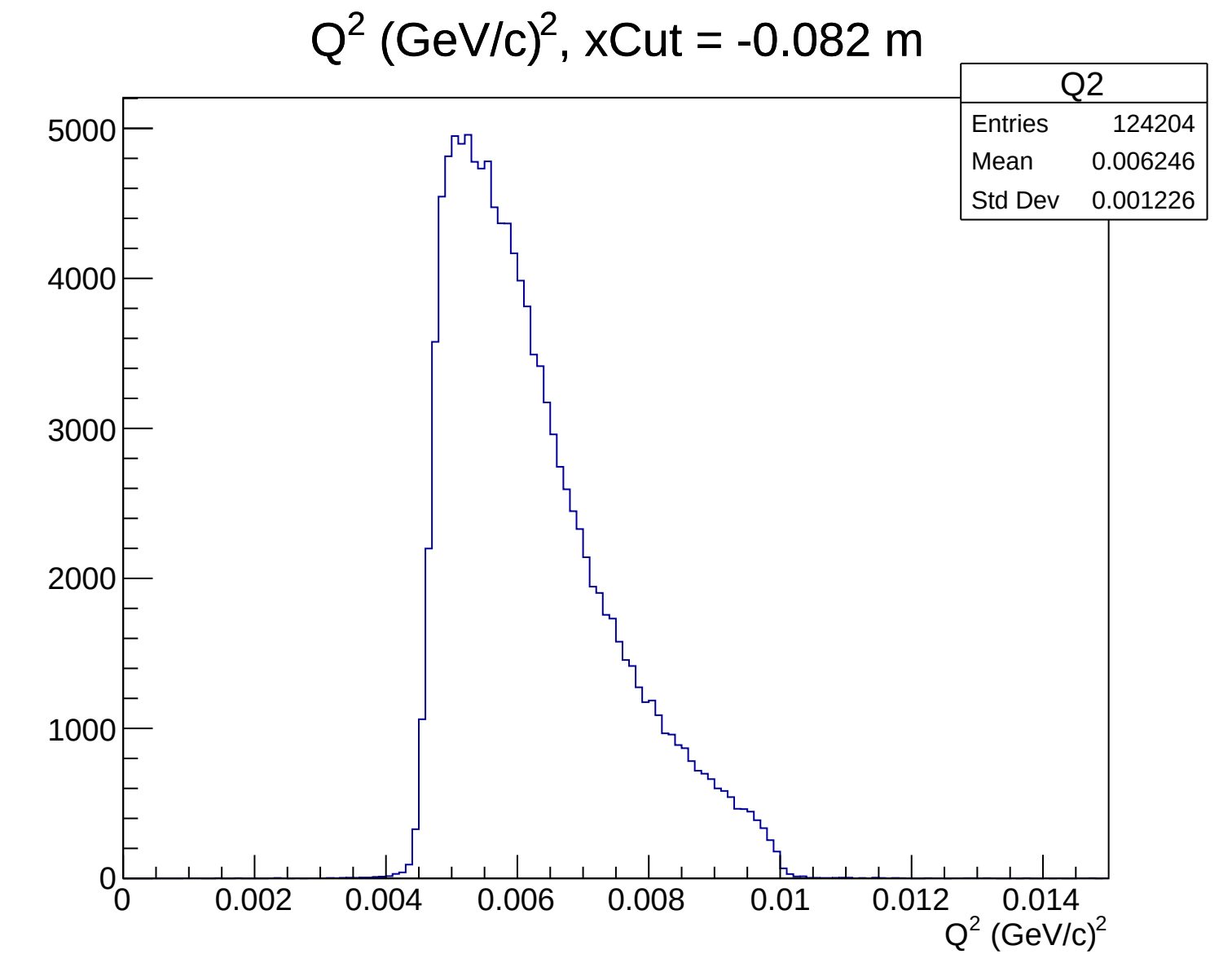

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.082
L.tr.x[0]+1.3*L.tr.th[0] (m)

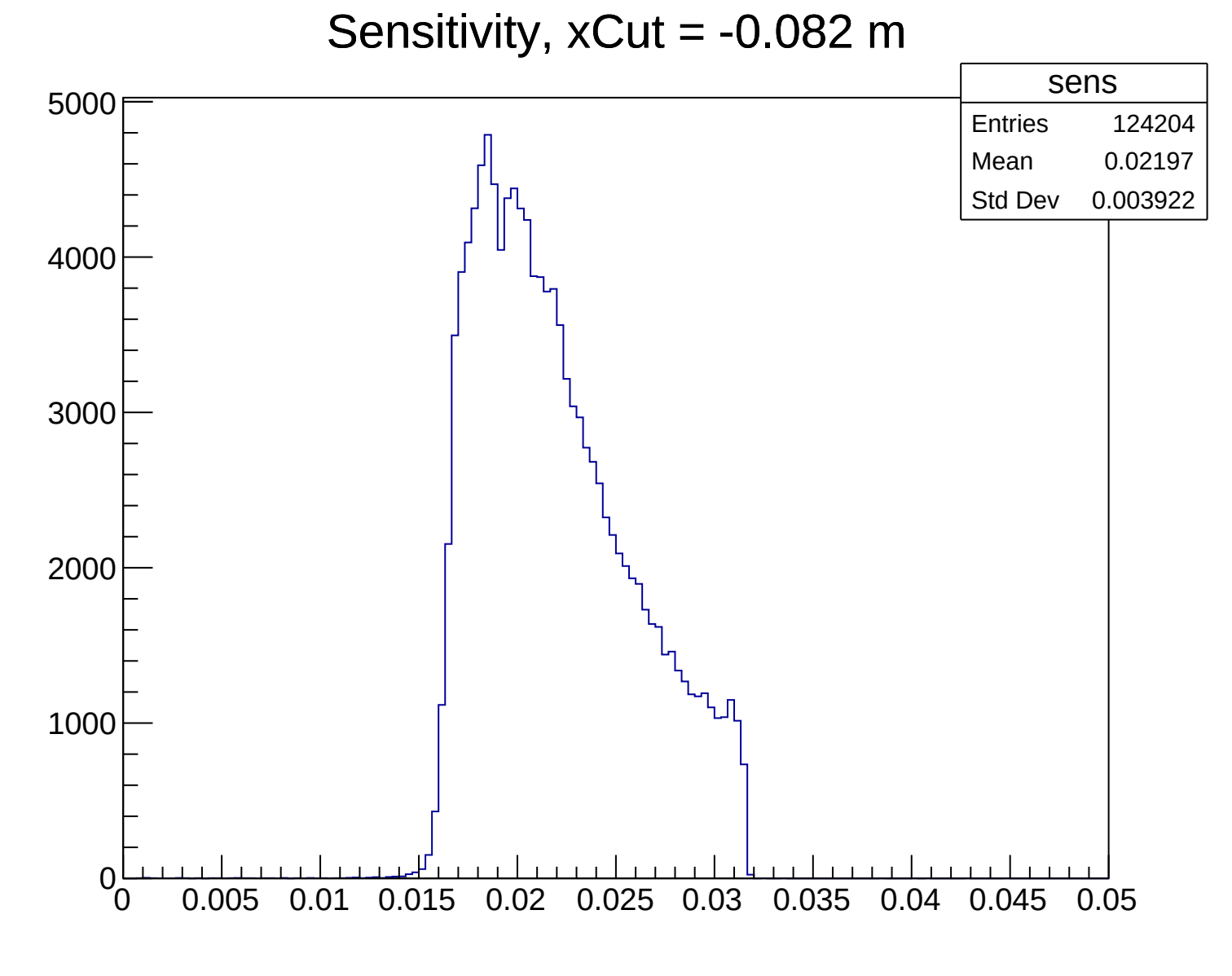

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

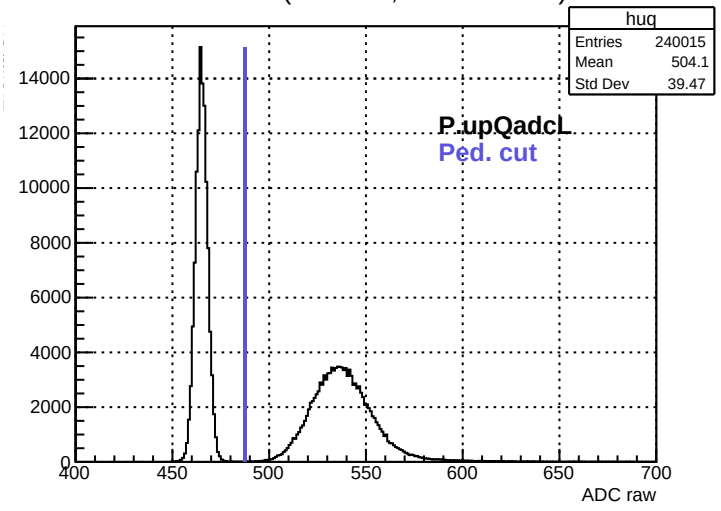

θlab (deg), xCut = -0.082 m
Theta
Entries 124204
Mean 4.756
Std Dev 0.4549
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

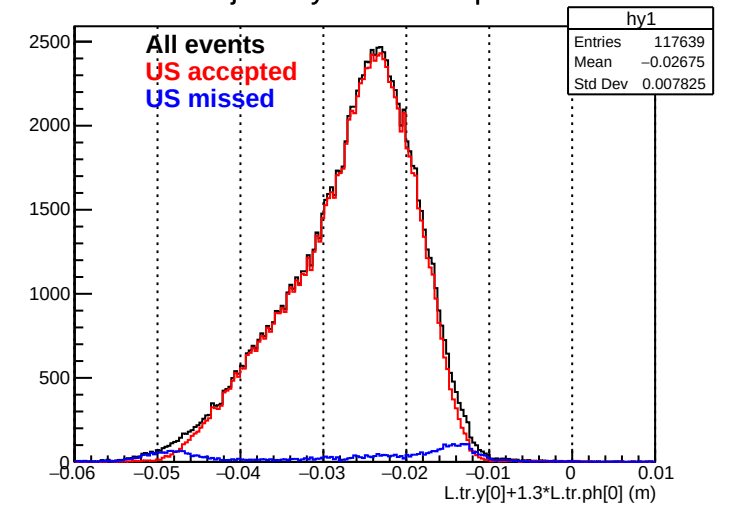

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 124204
Mean 0.5671
Std Dev 0.07462
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

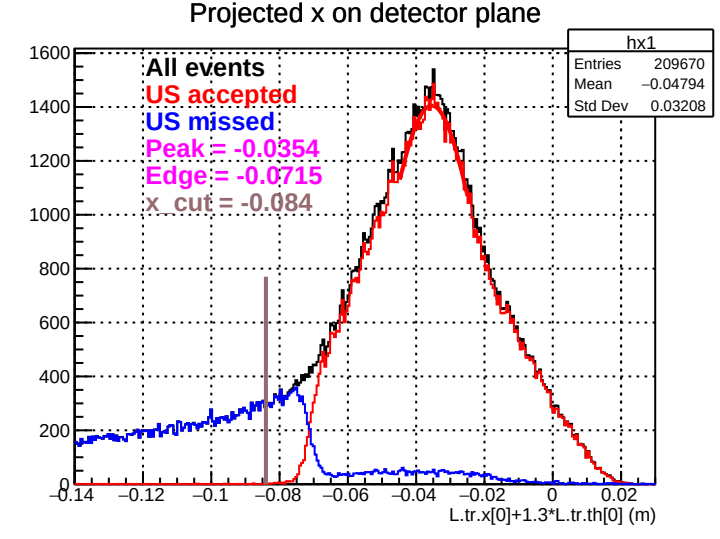

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 124204
Mean 0.5544
Std Dev 0.07082
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

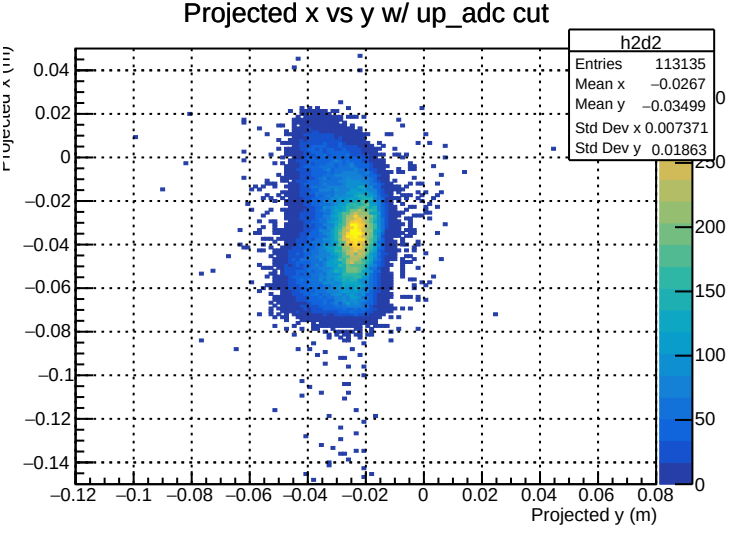

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 124204
Mean 0.006246
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

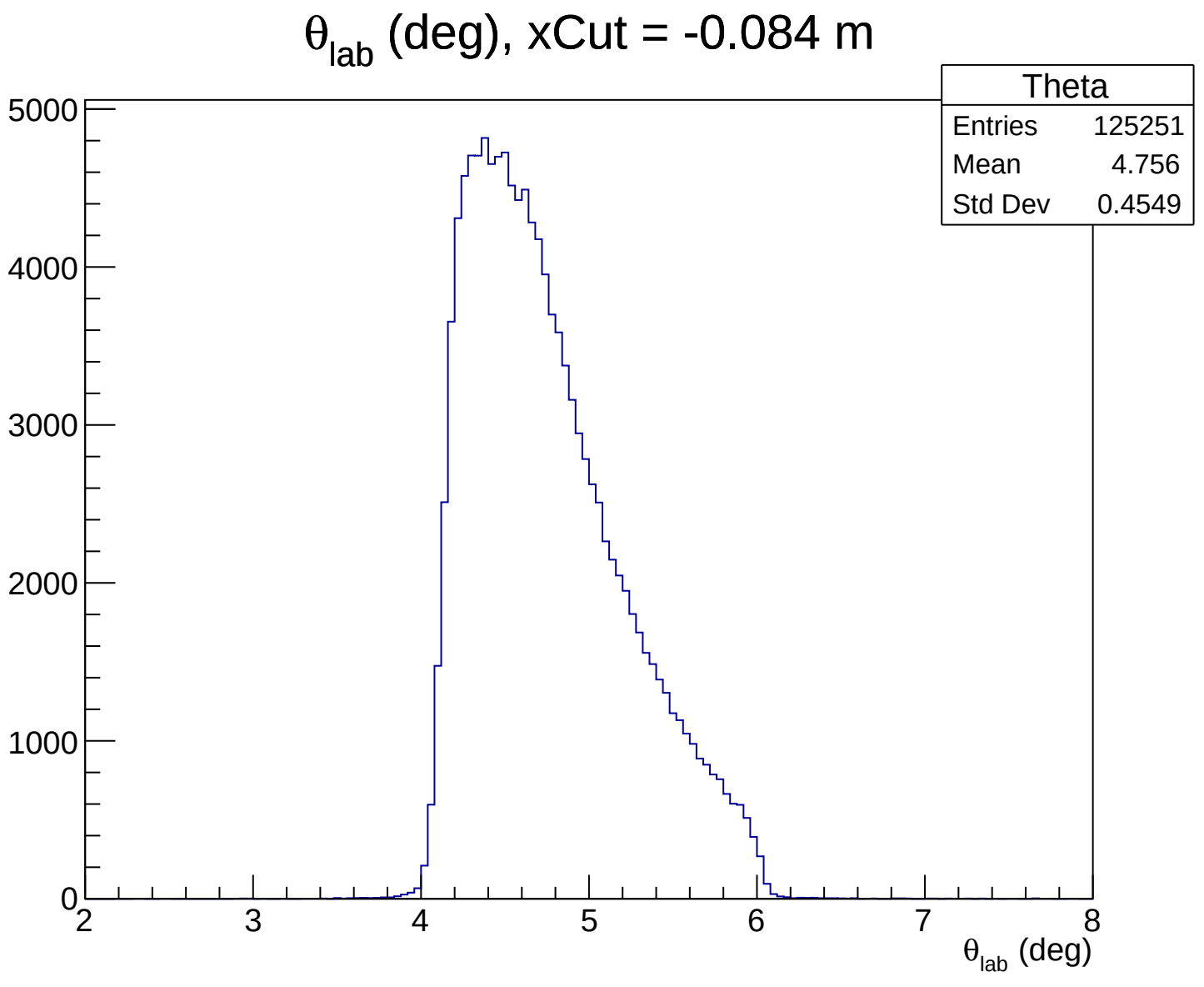

Sensitivity, xCut = -0.082 m
sens
Entries 124204
Mean 0.02197
Std Dev 0.003922
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

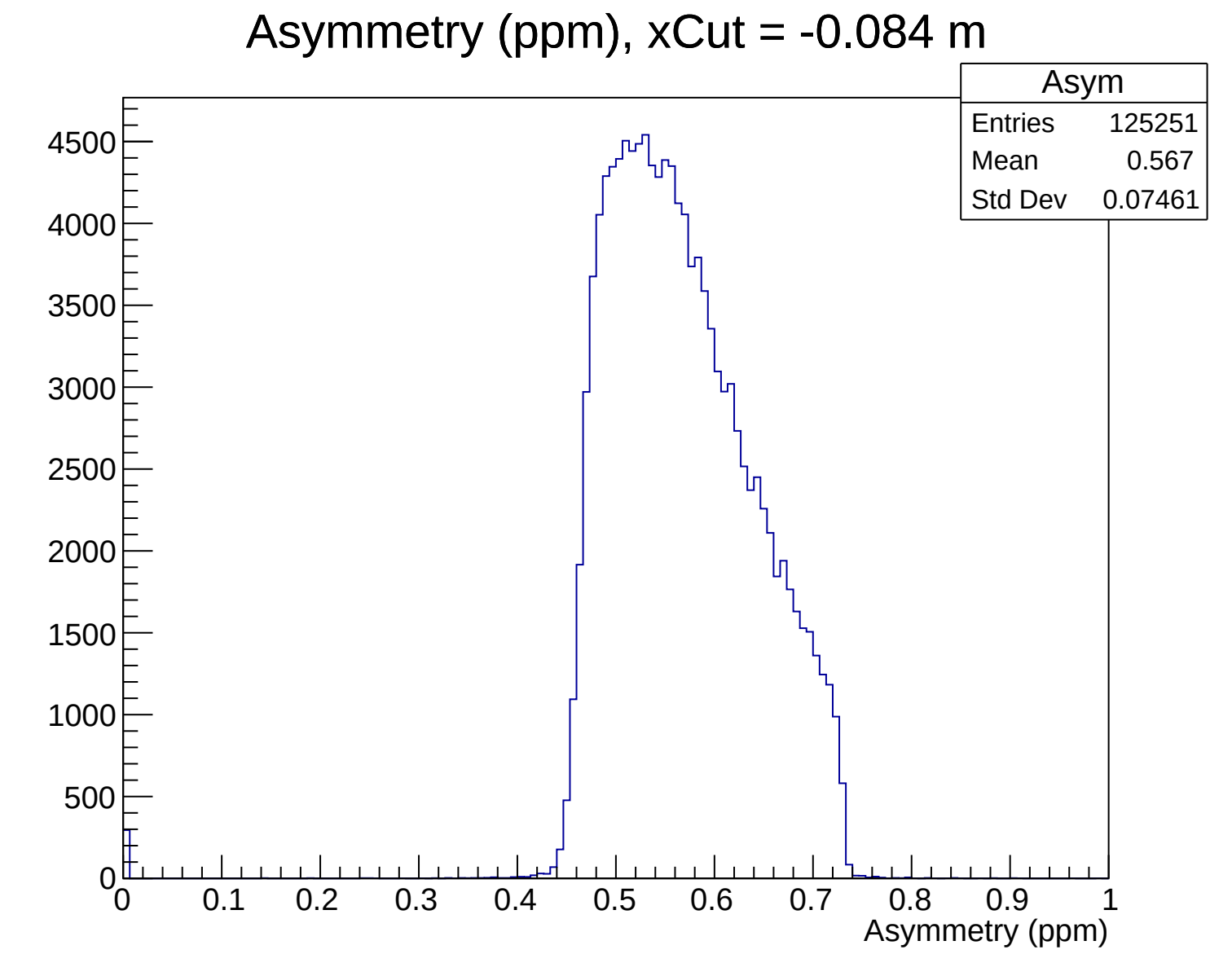

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

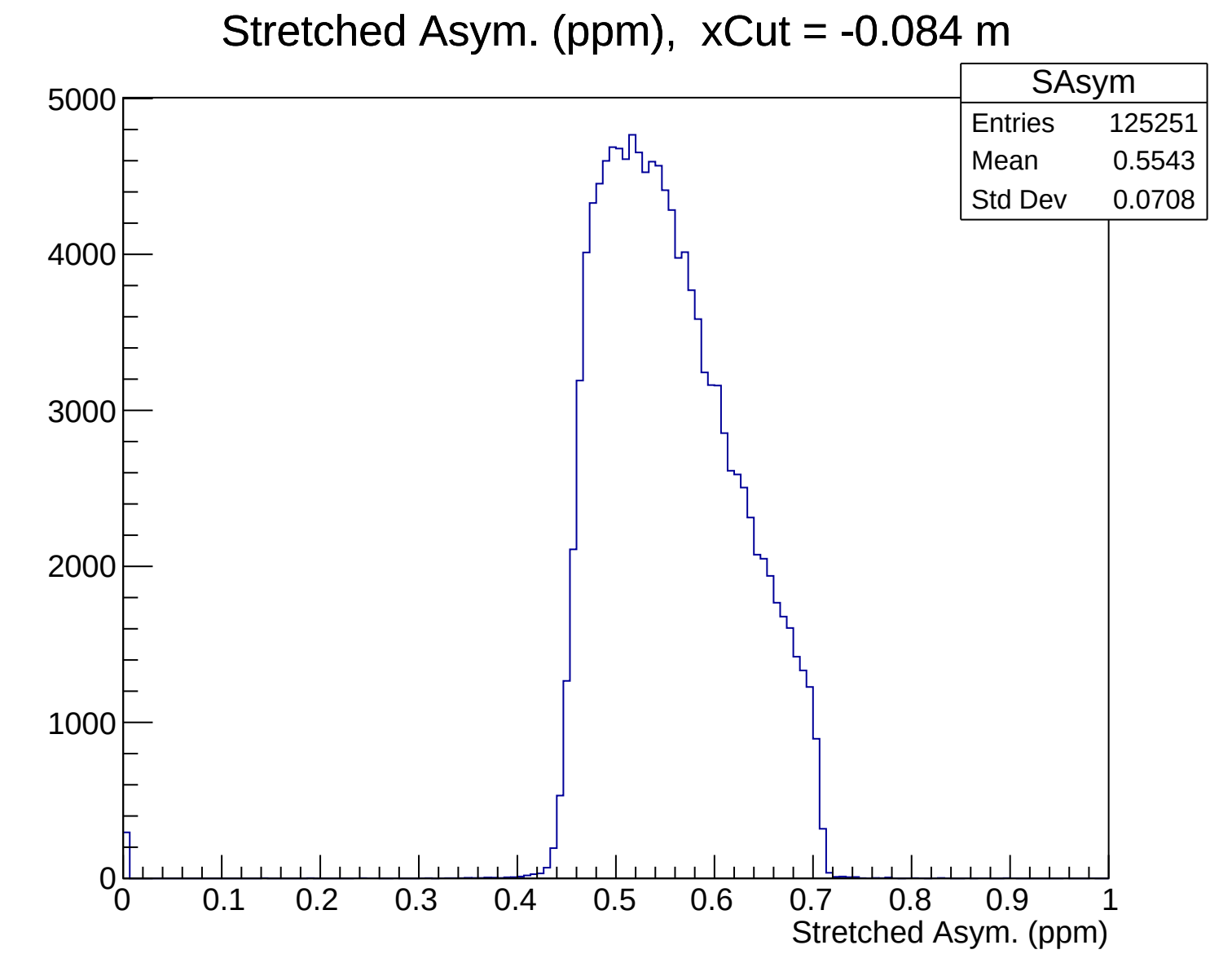

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

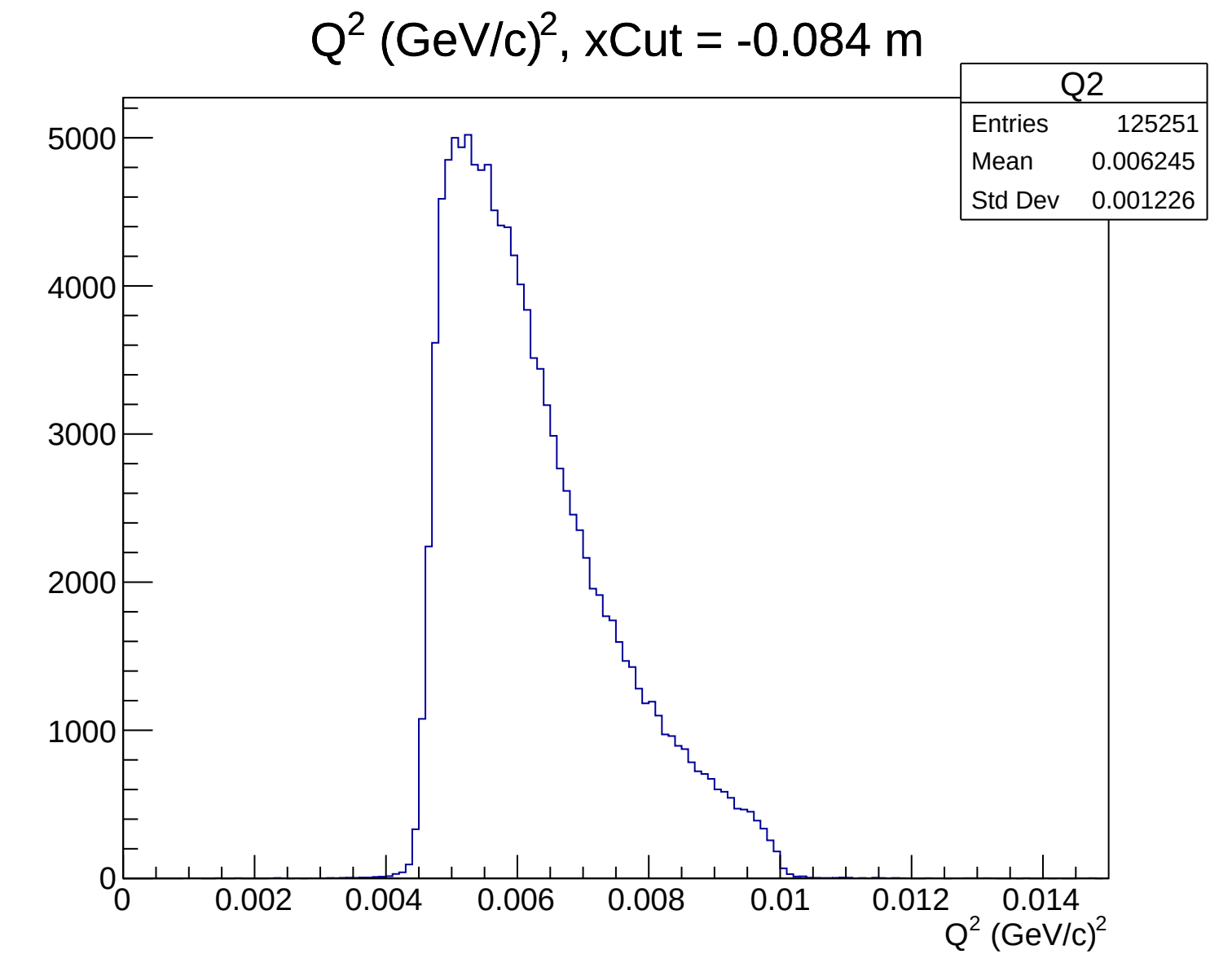

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

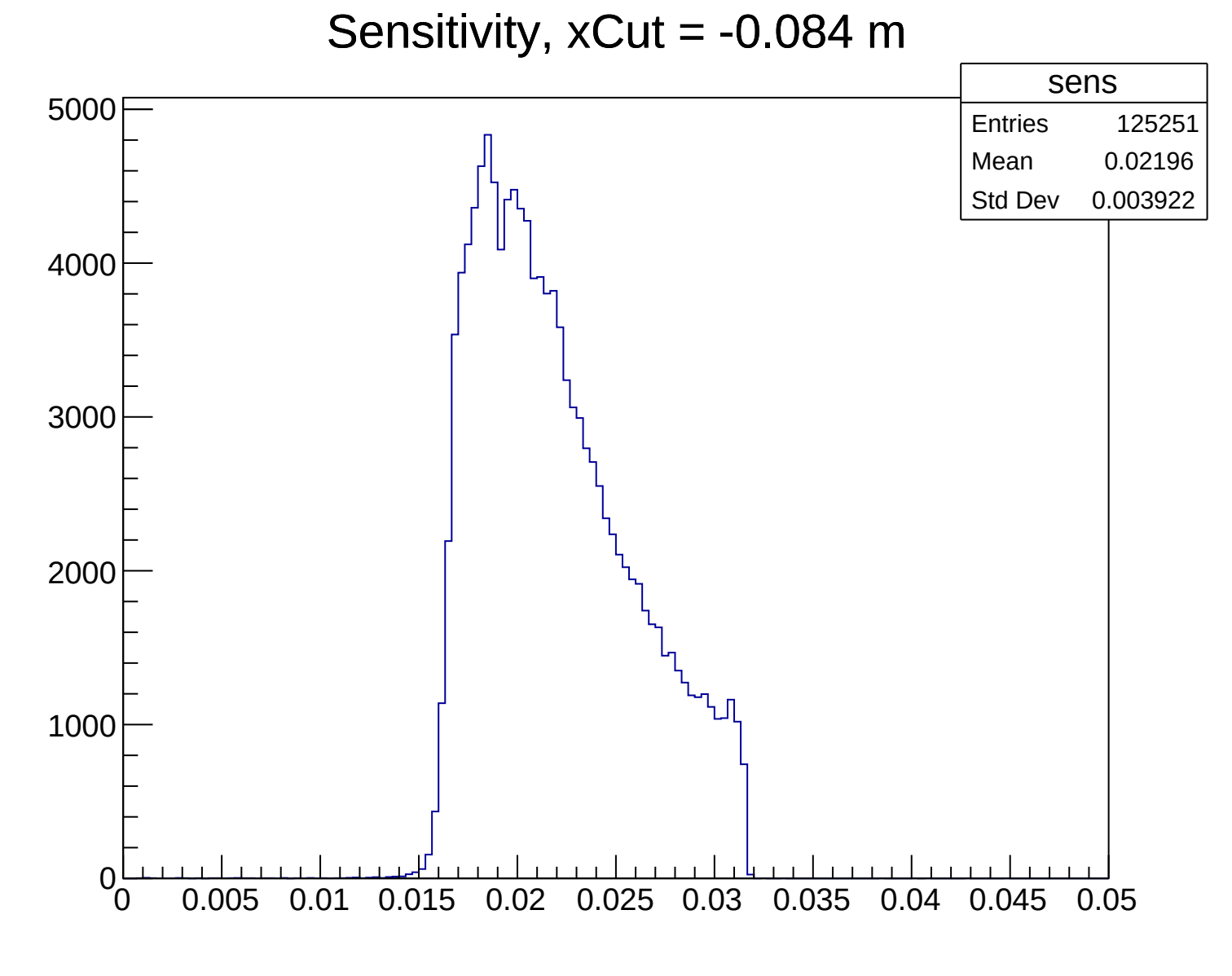

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

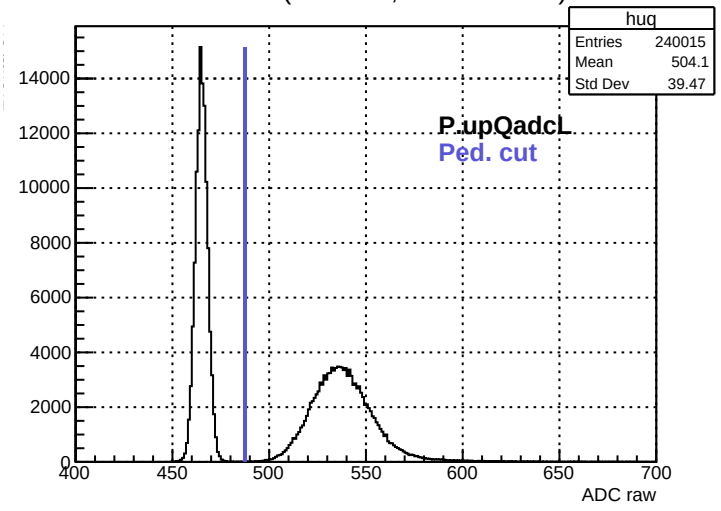

θlab (deg), xCut = -0.084 m
Theta
Entries 125251
Mean 4.756
Std Dev 0.4549
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

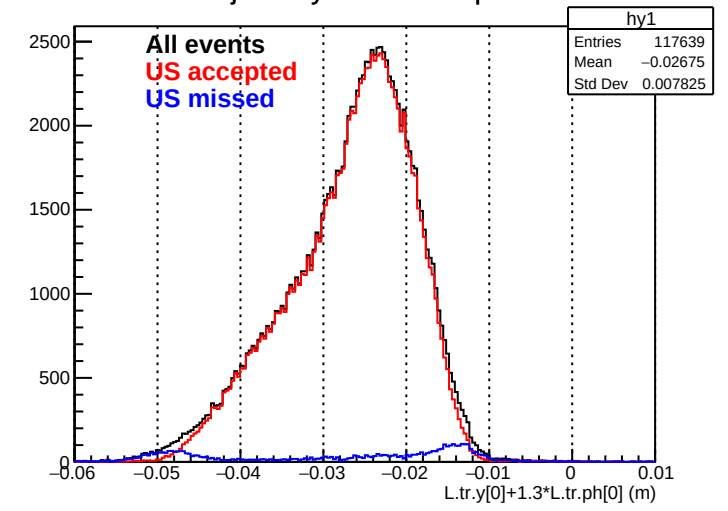

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 125251
Mean 0.567
Std Dev 0.07461
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

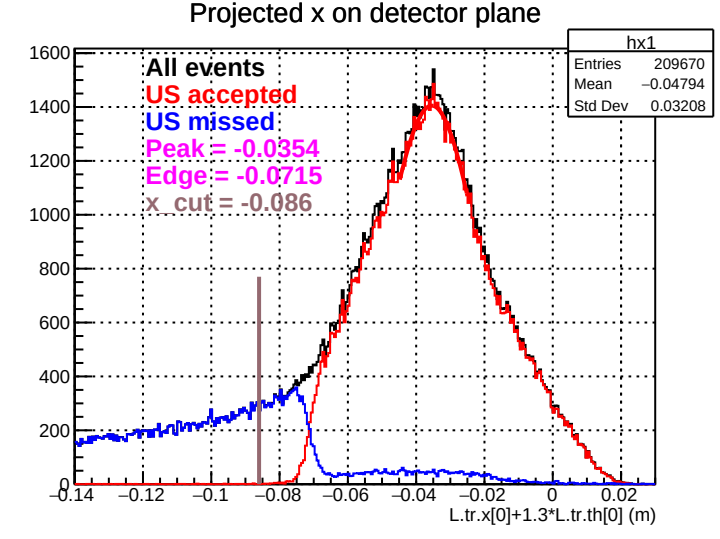

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 125251
Mean 0.5543
Std Dev 0.0708
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

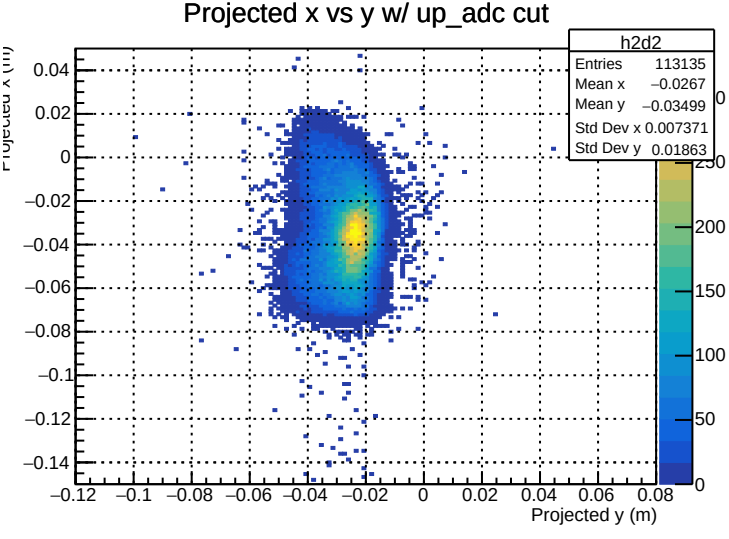

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 125251
Mean 0.006245
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

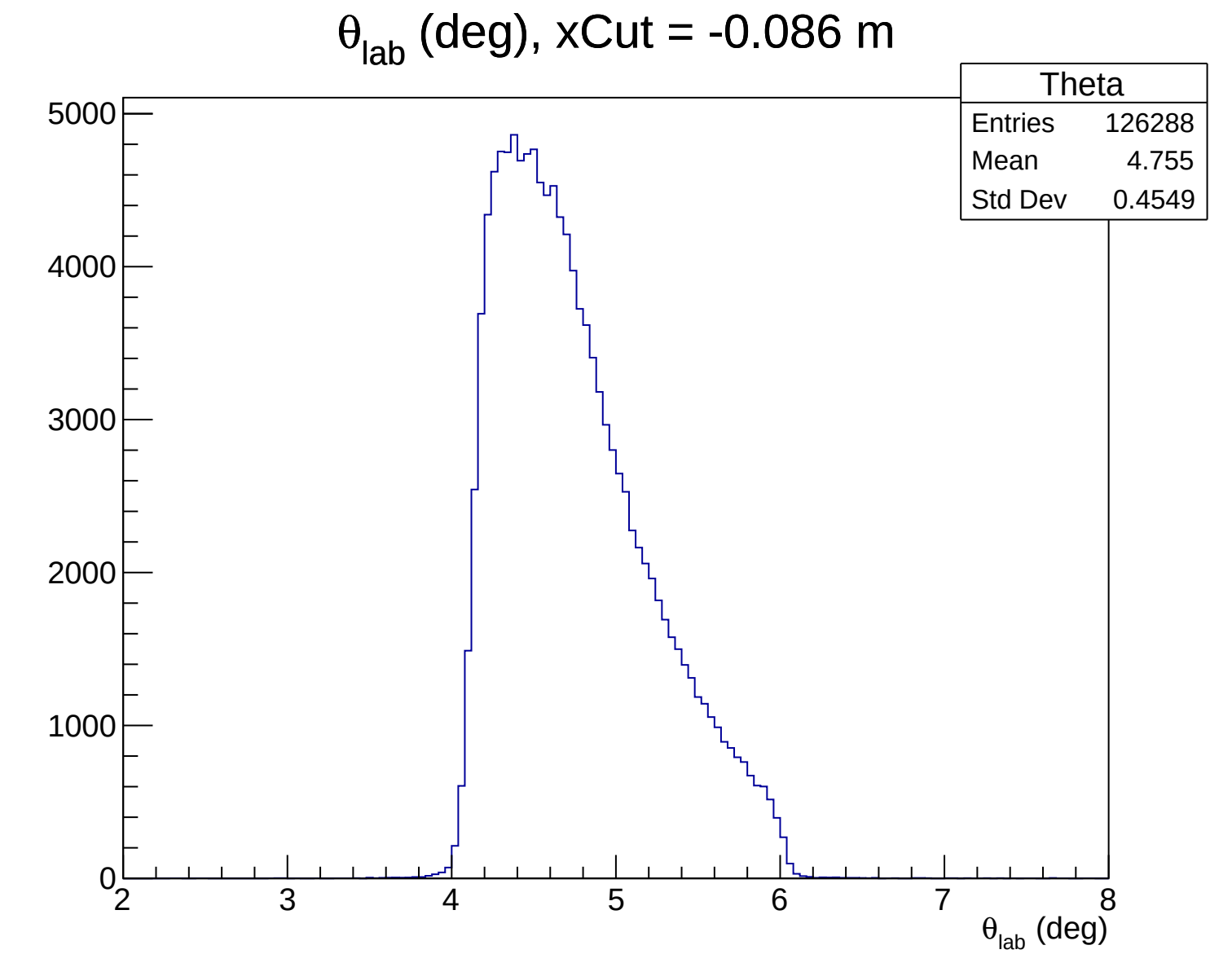

Sensitivity, xCut = -0.084 m
sens
Entries 125251
Mean 0.02196
Std Dev 0.003922
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

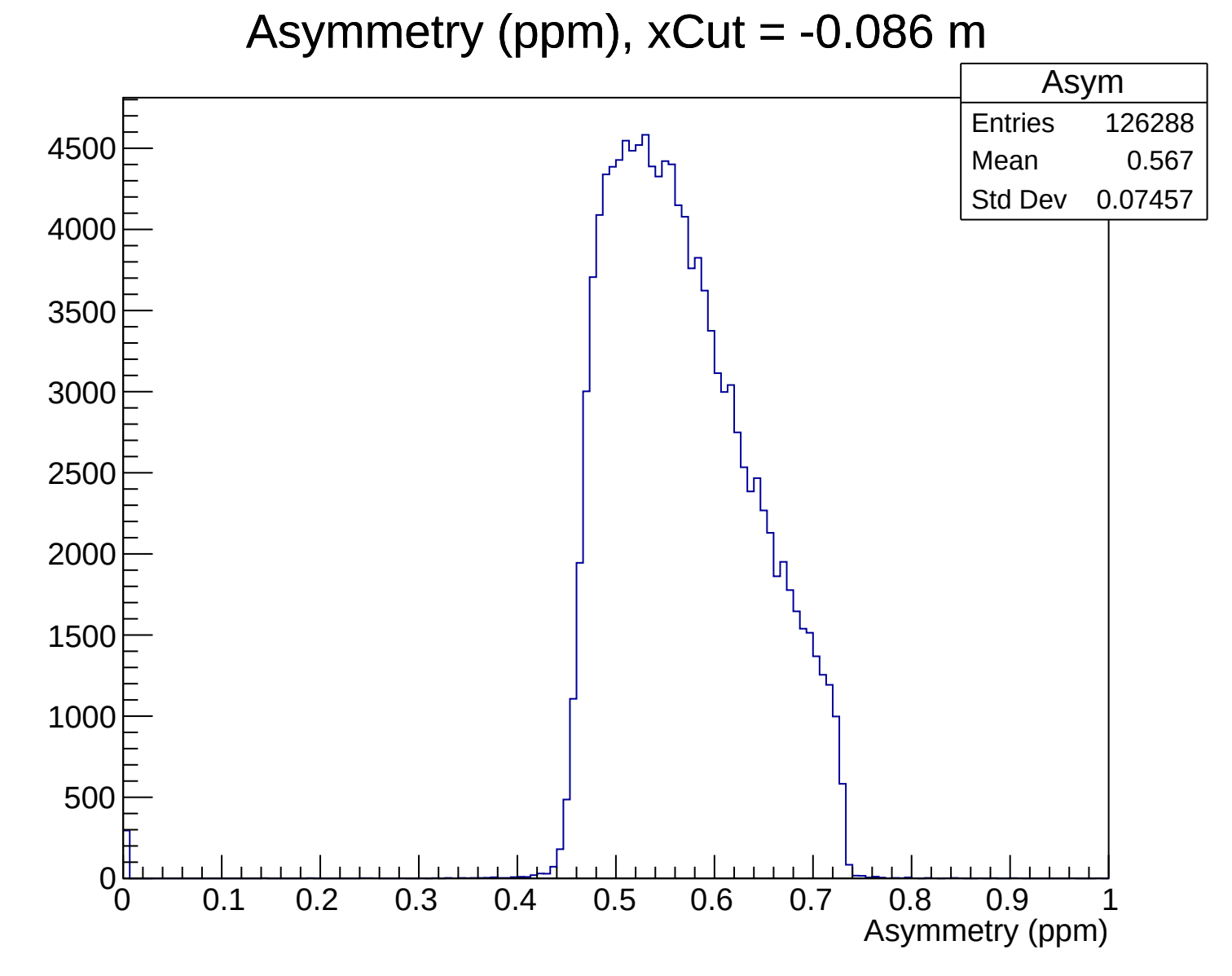

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

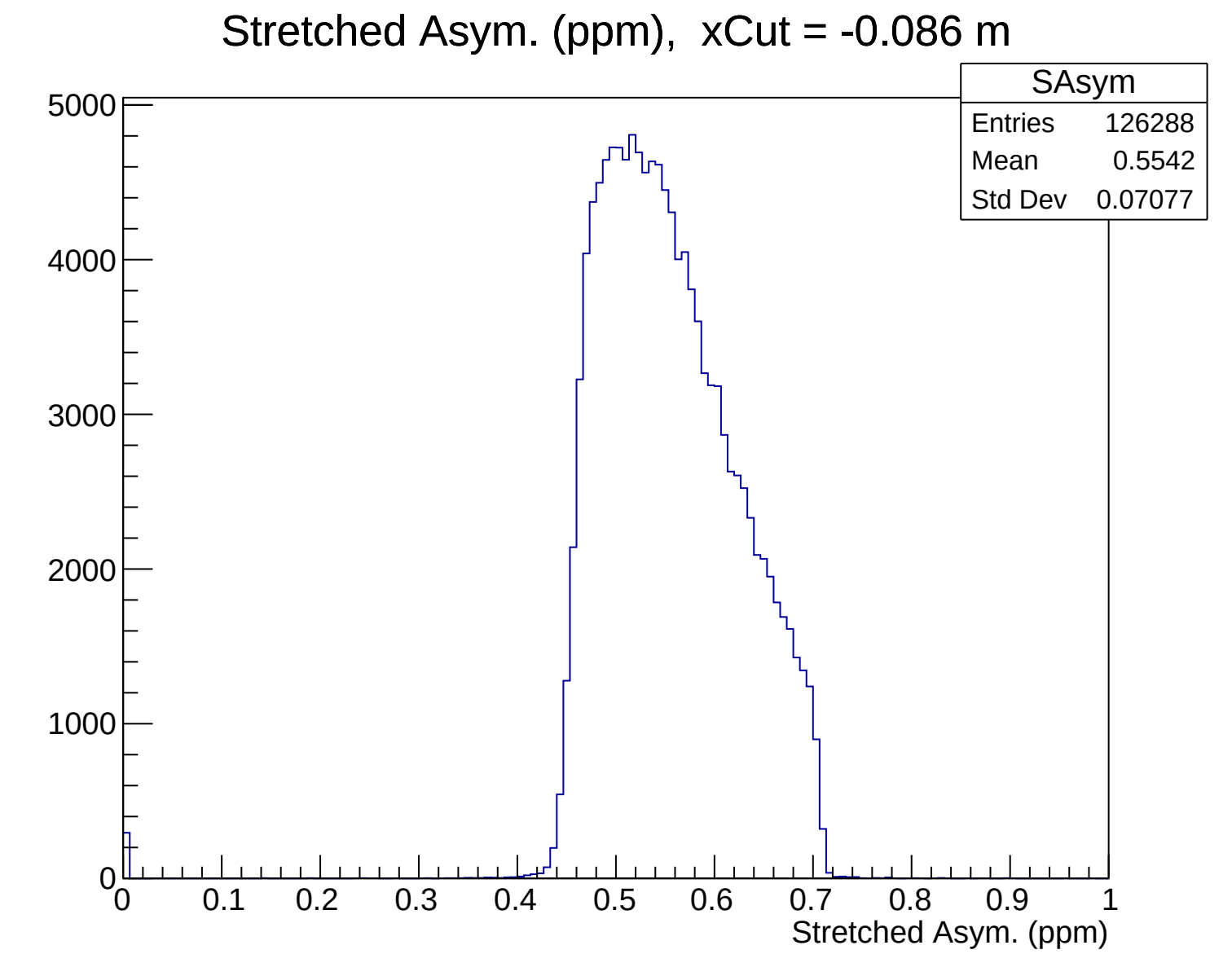

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

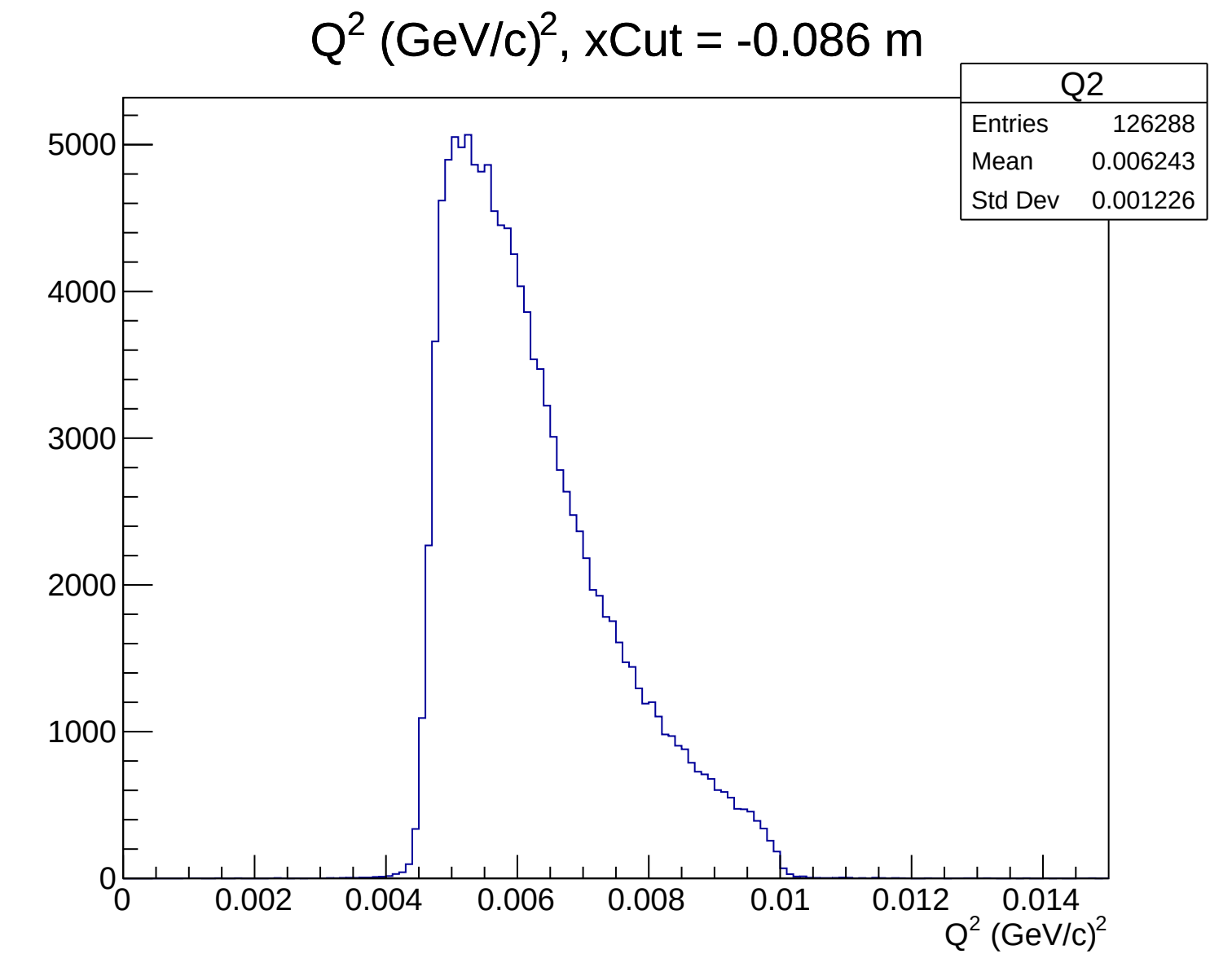

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.086
L.tr.x[0]+1.3*L.tr.th[0] (m)

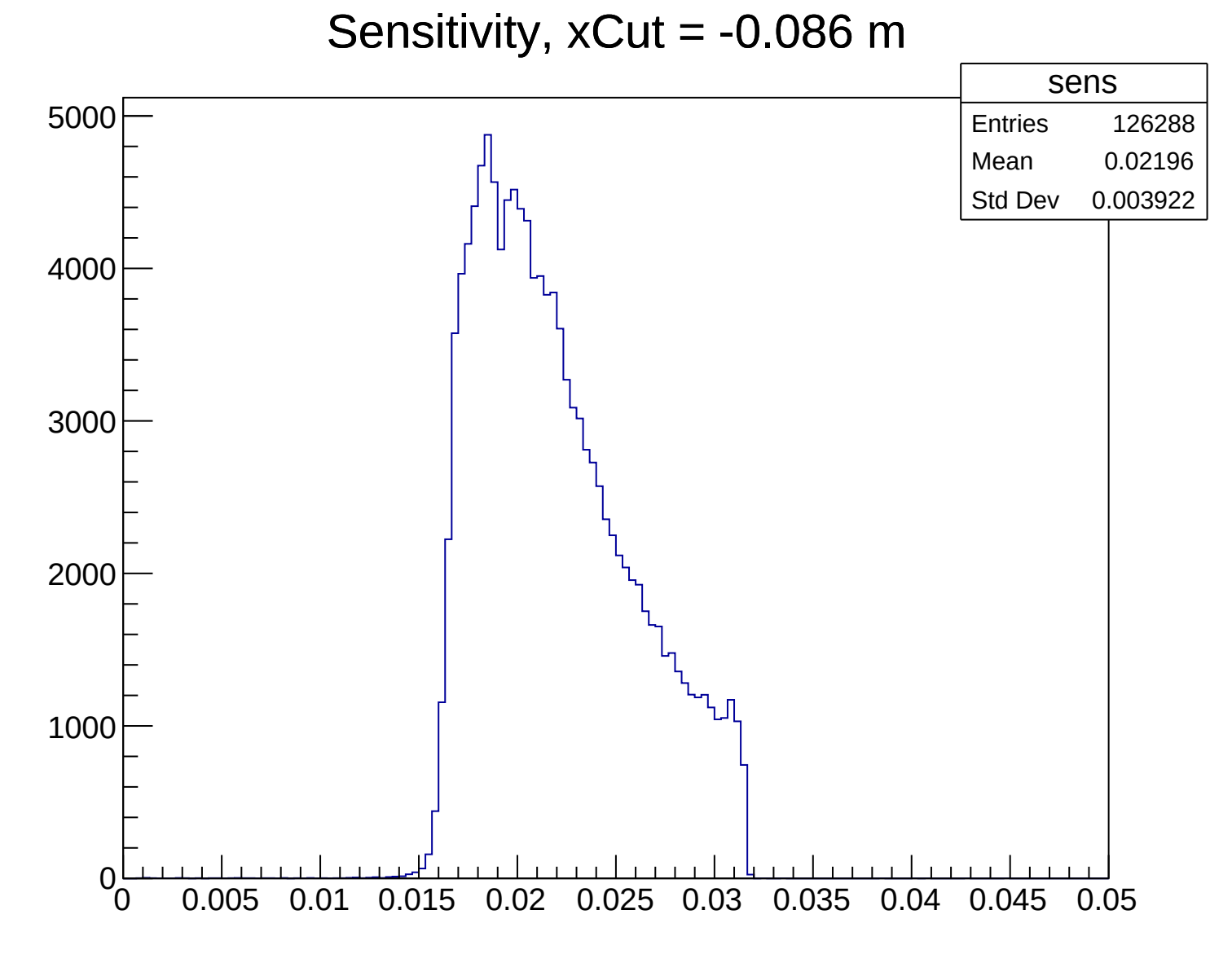

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

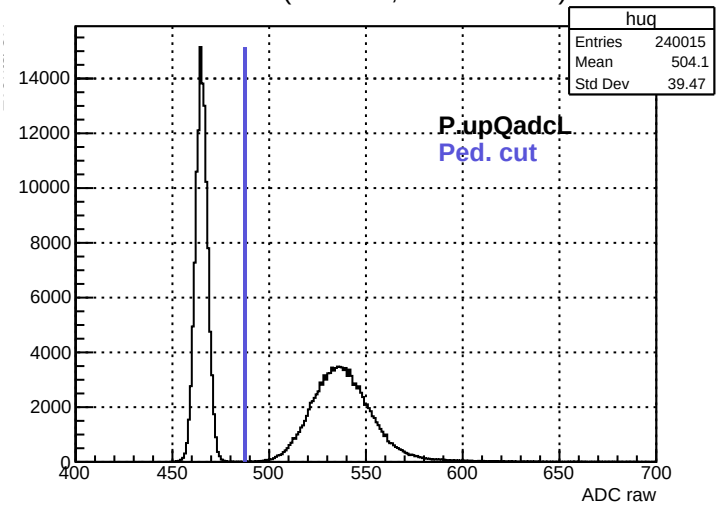

θlab (deg), xCut = -0.086 m
Theta
Entries 126288
Mean 4.755
Std Dev 0.4549
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

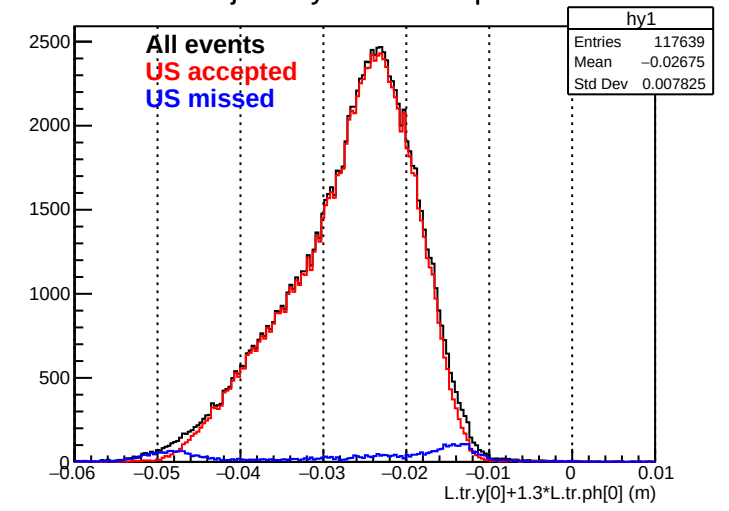

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 126288
Mean 0.567
Std Dev 0.07457
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

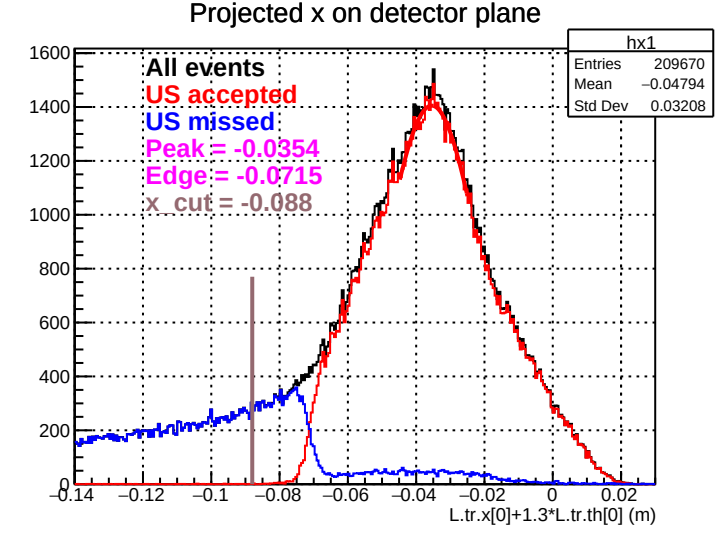

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 126288
Mean 0.5542
Std Dev 0.07077
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

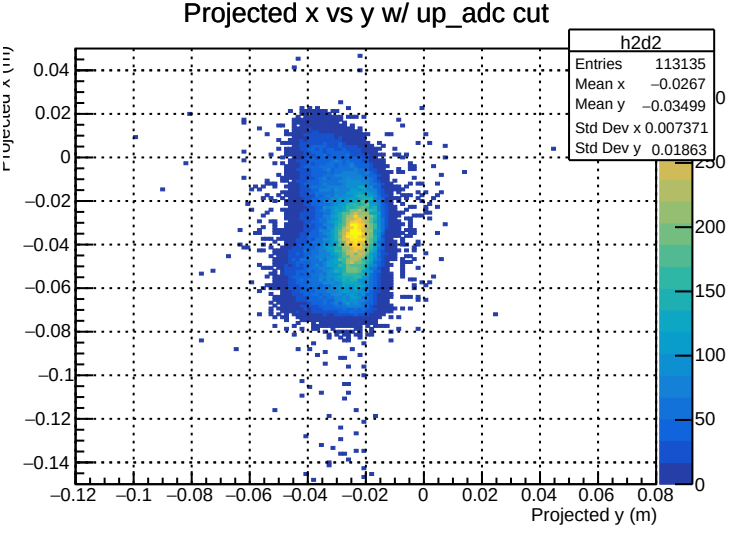

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 126288
Mean 0.006243
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

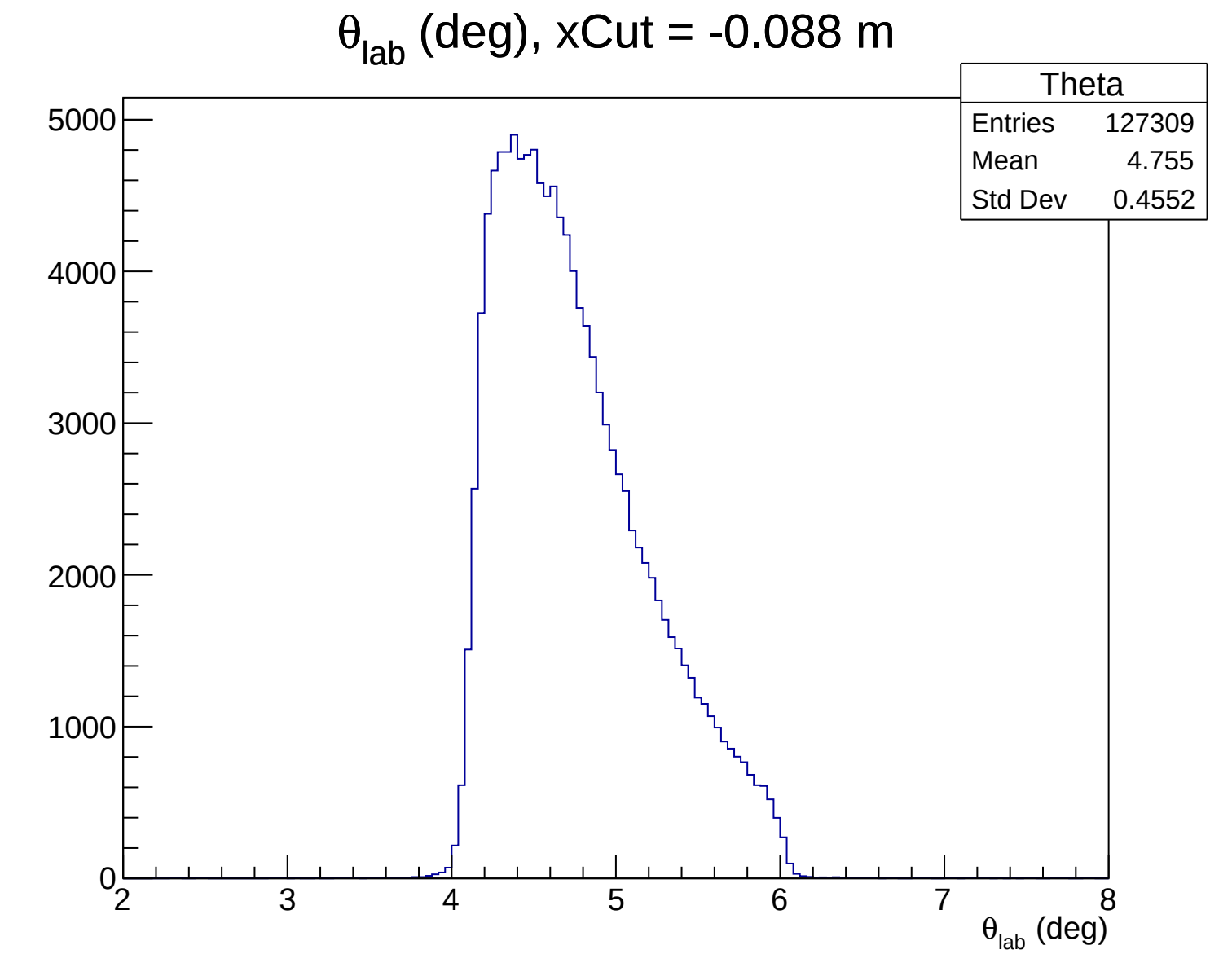

Sensitivity, xCut = -0.086 m
sens
Entries 126288
Mean 0.02196
Std Dev 0.003922
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

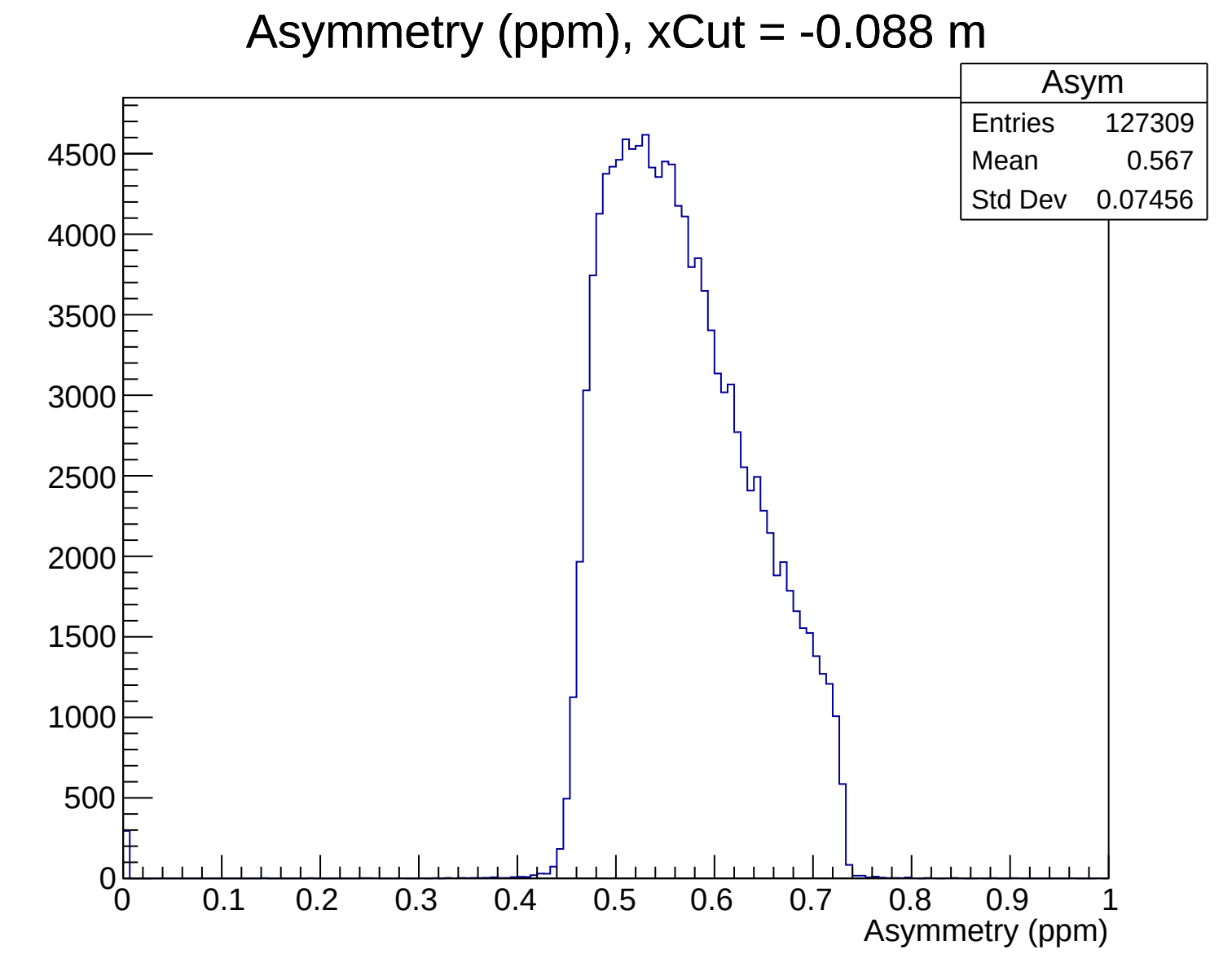

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

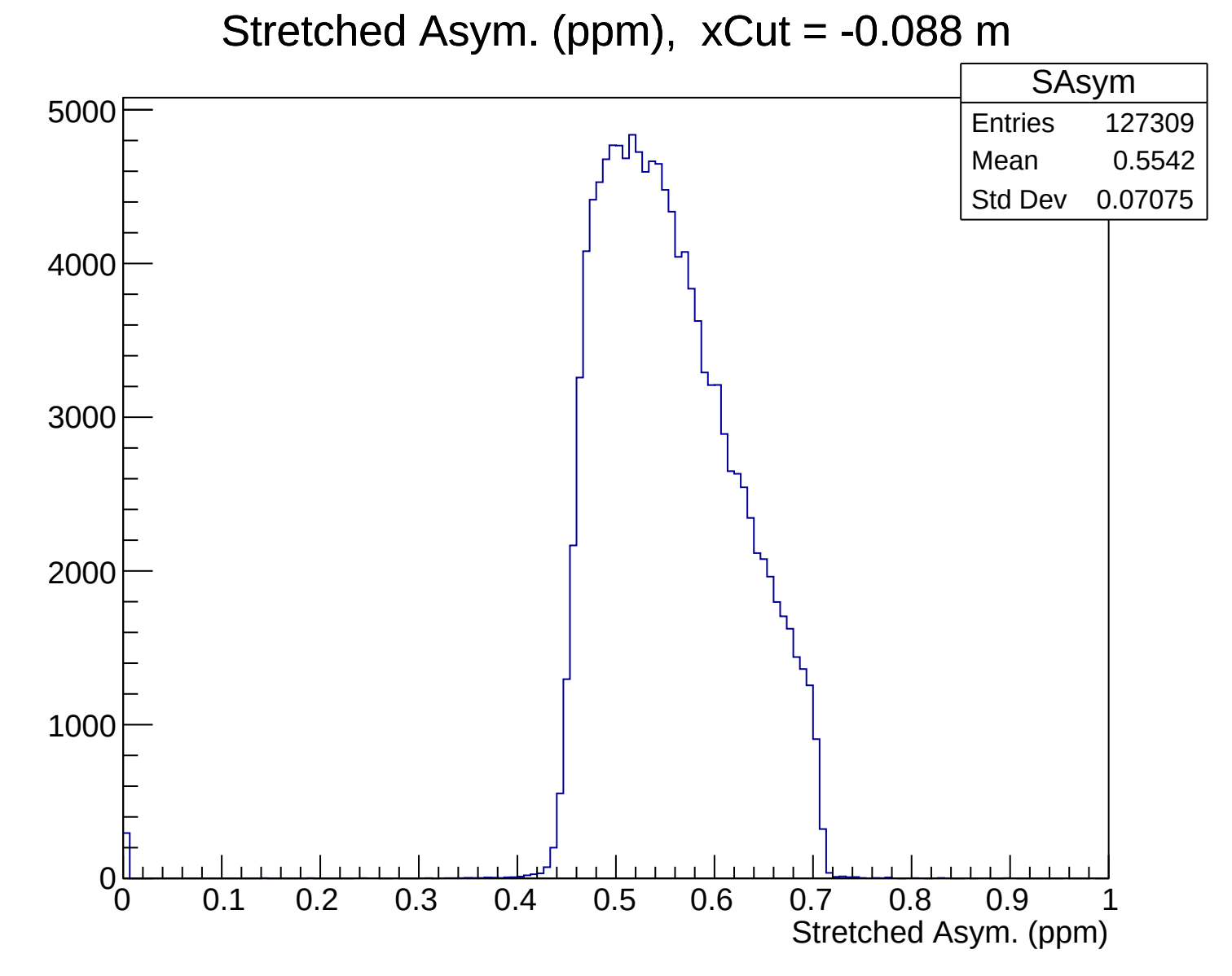

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

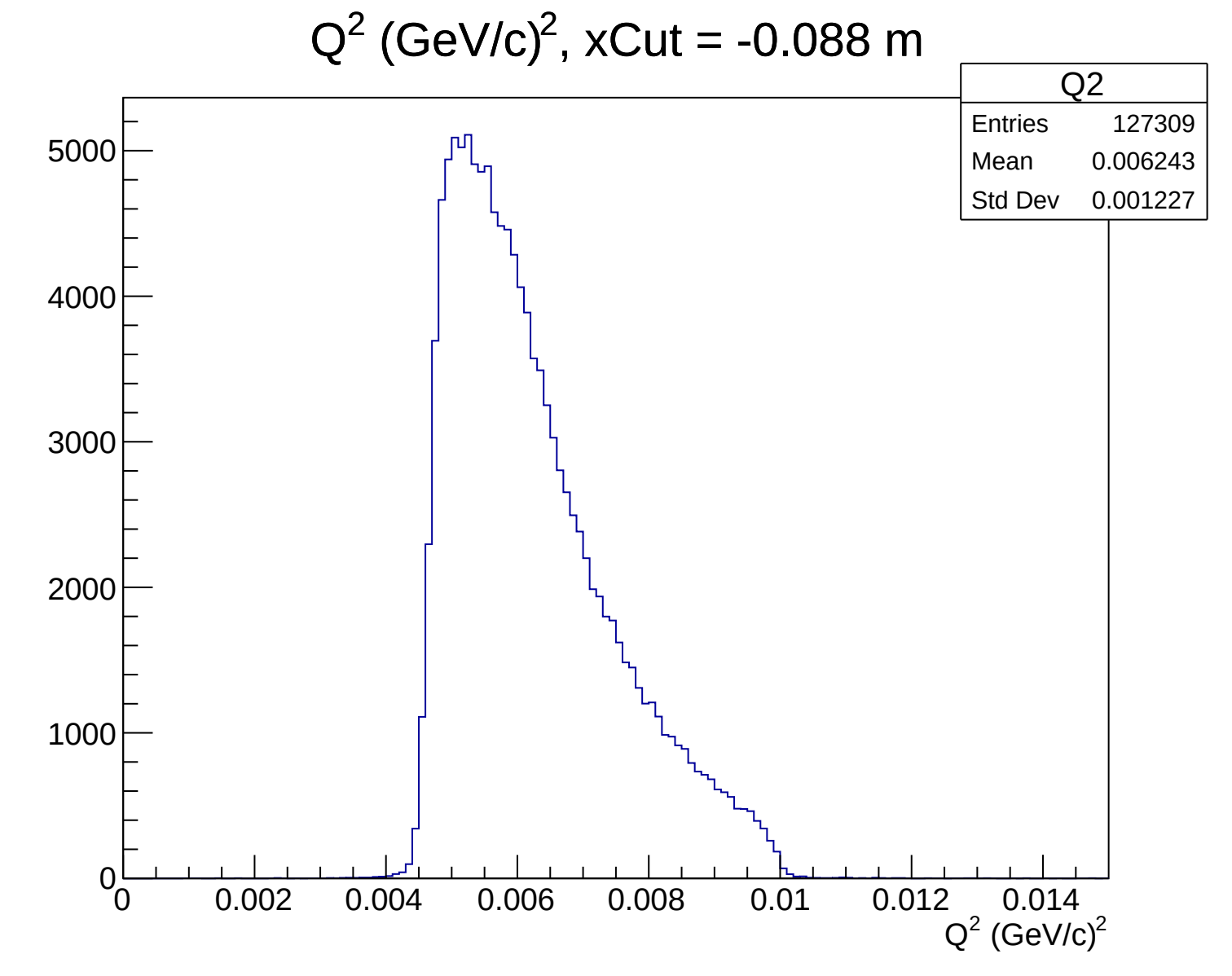

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

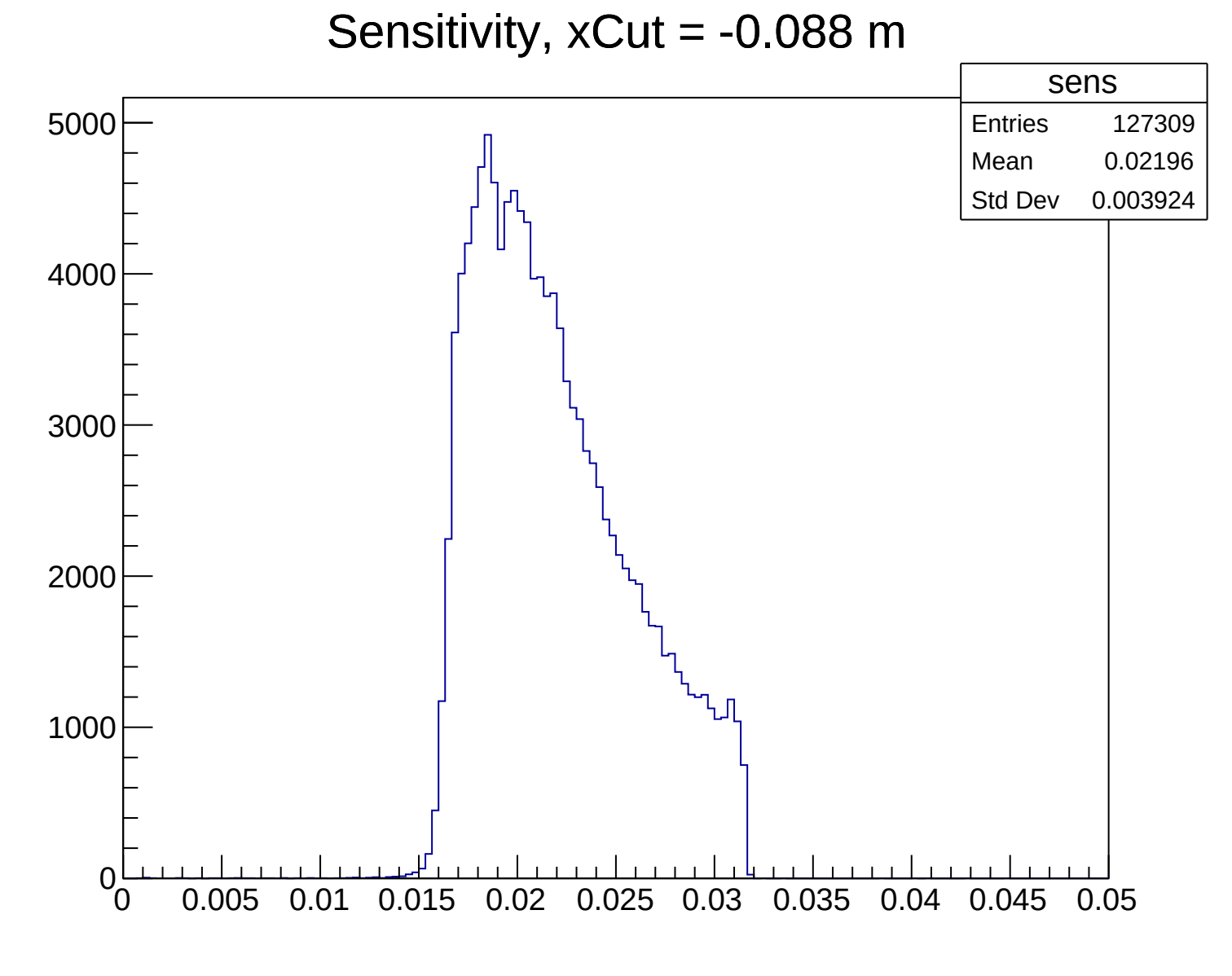

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

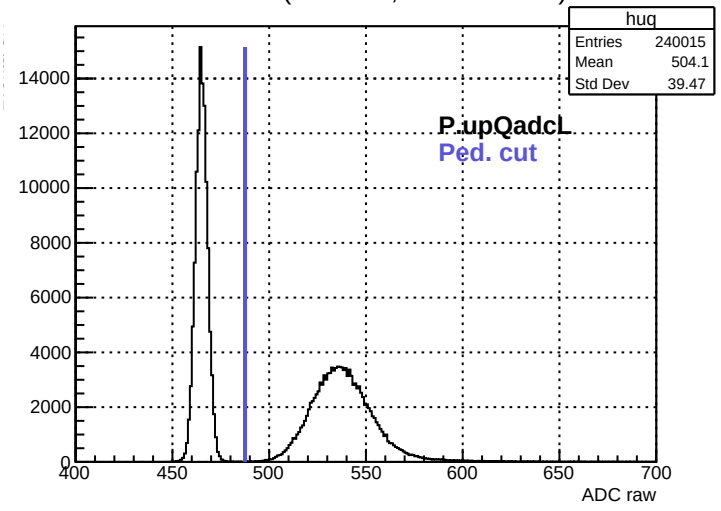

θlab (deg), xCut = -0.088 m
Theta
Entries 127309
Mean 4.755
Std Dev 0.4552
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

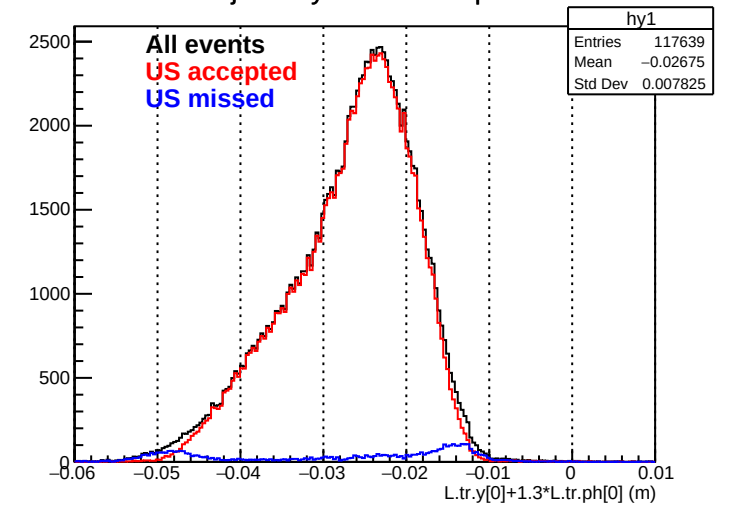

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 127309
Mean 0.567
Std Dev 0.07456
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

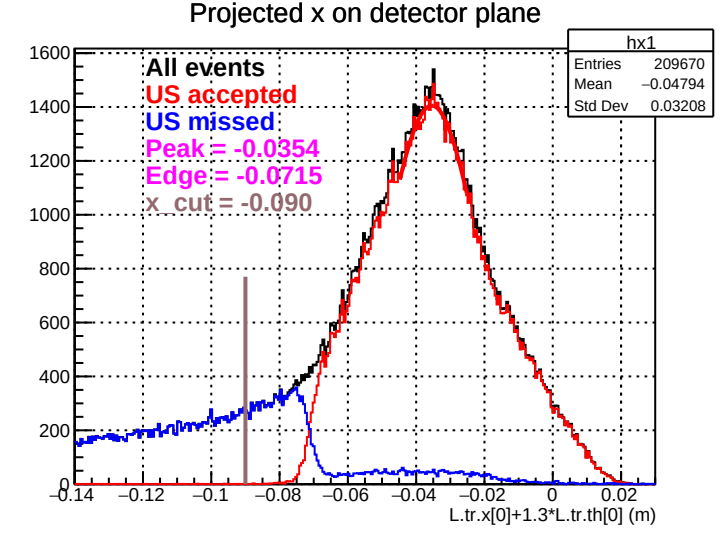

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 127309
Mean 0.5542
Std Dev 0.07075
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

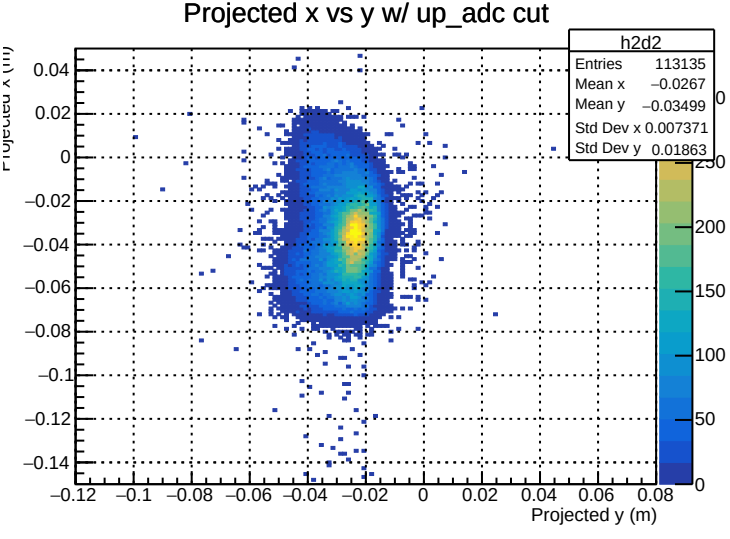

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 127309
Mean 0.006243
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

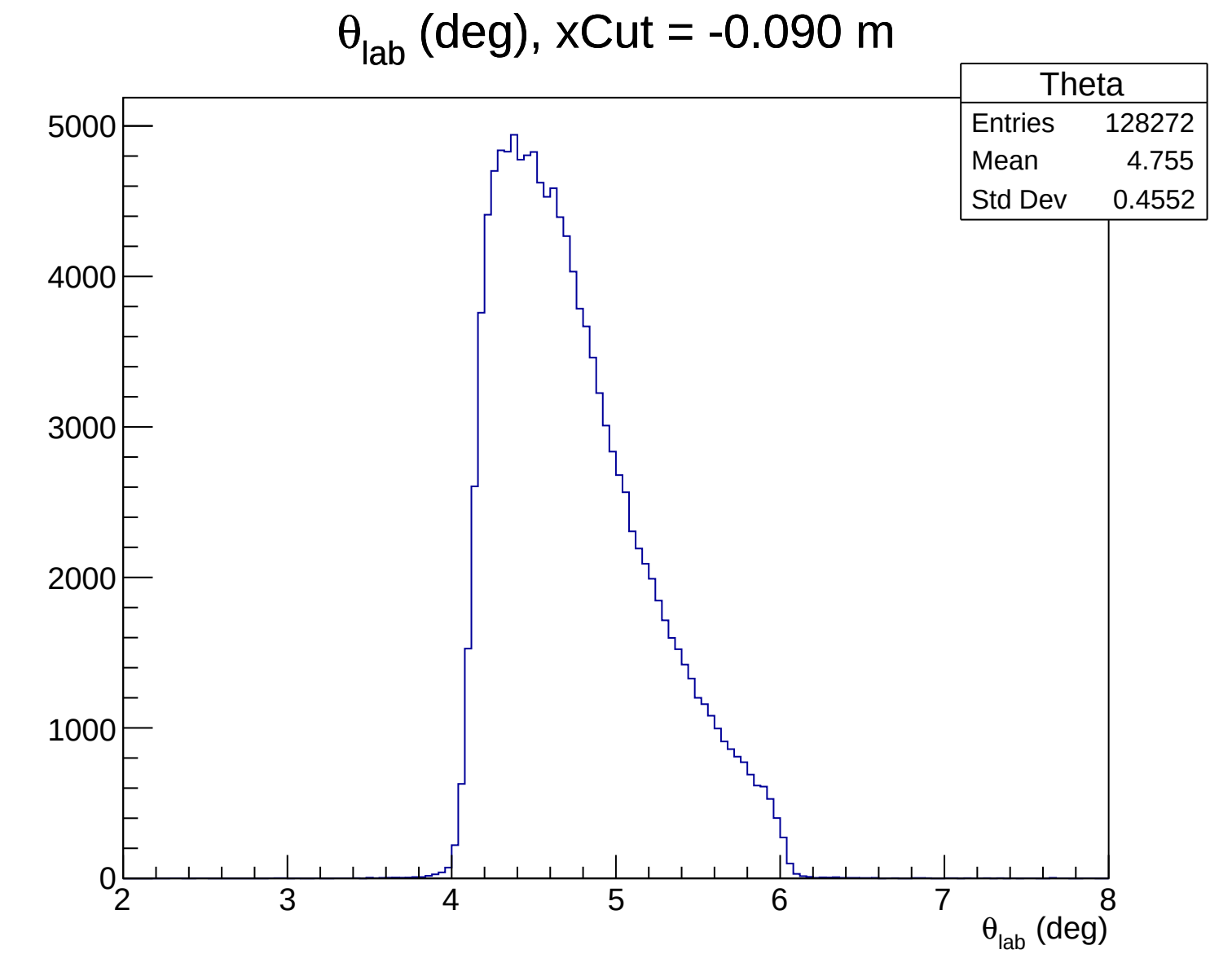

Sensitivity, xCut = -0.088 m
sens
Entries 127309
Mean 0.02196
Std Dev 0.003924
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

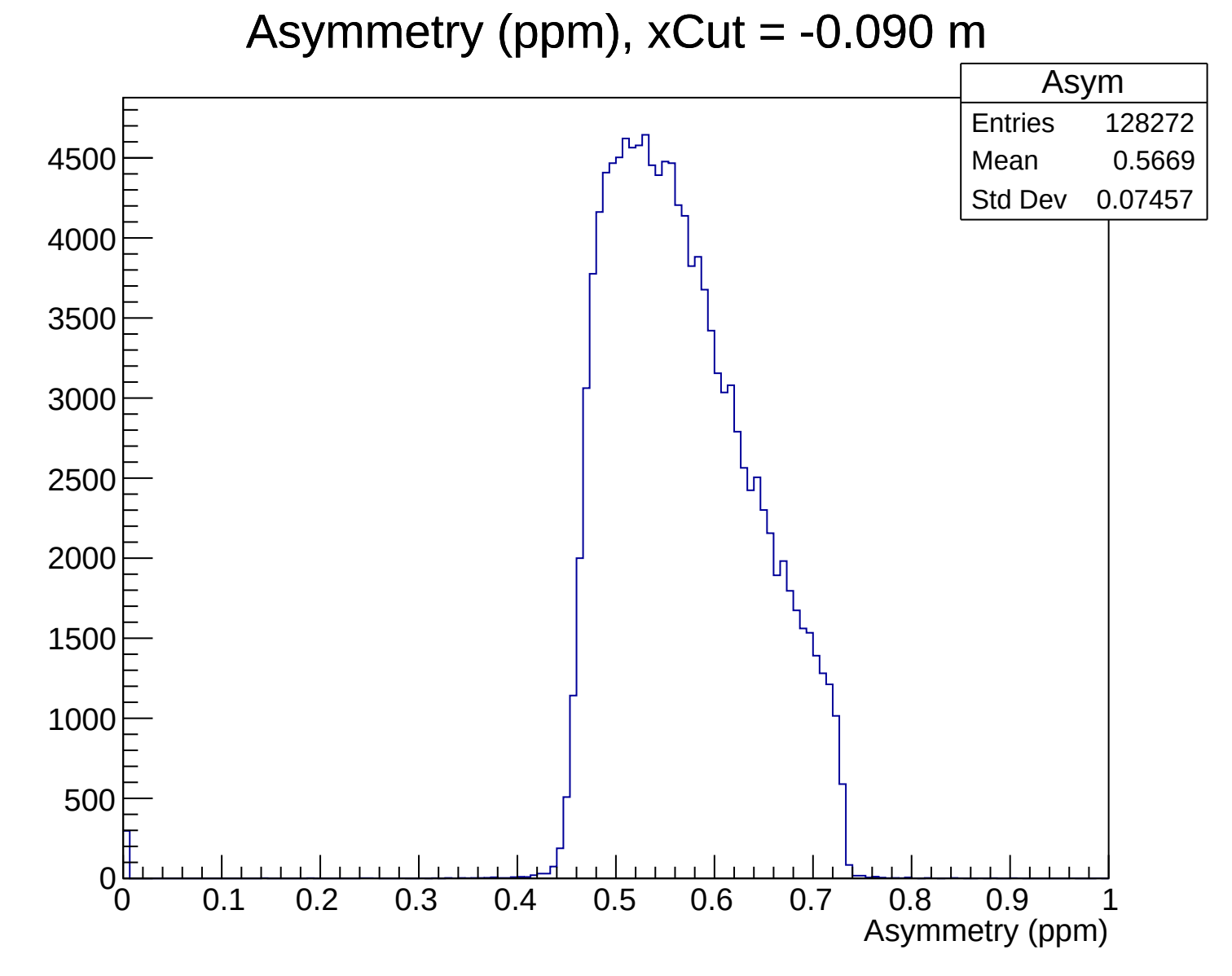

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

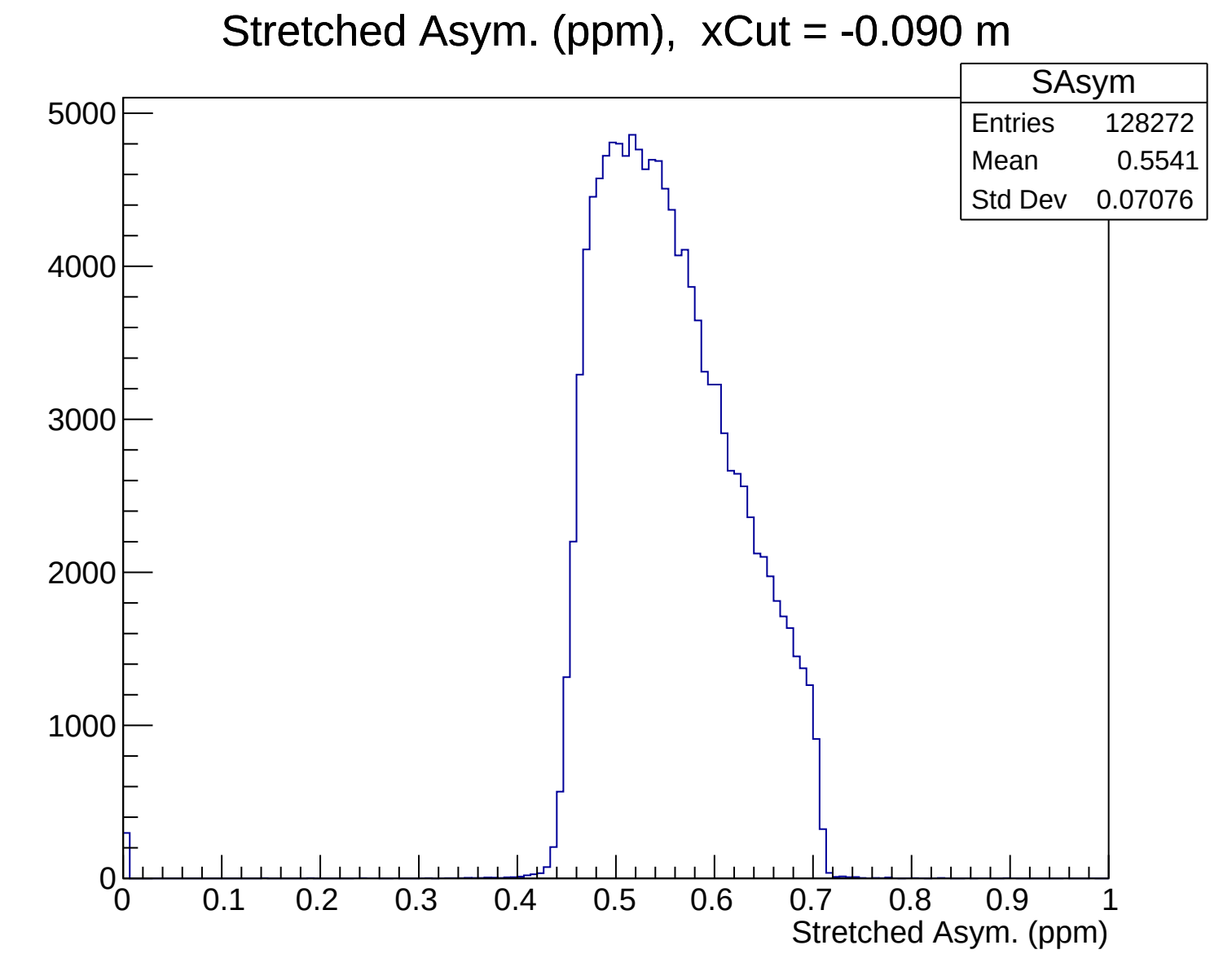

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

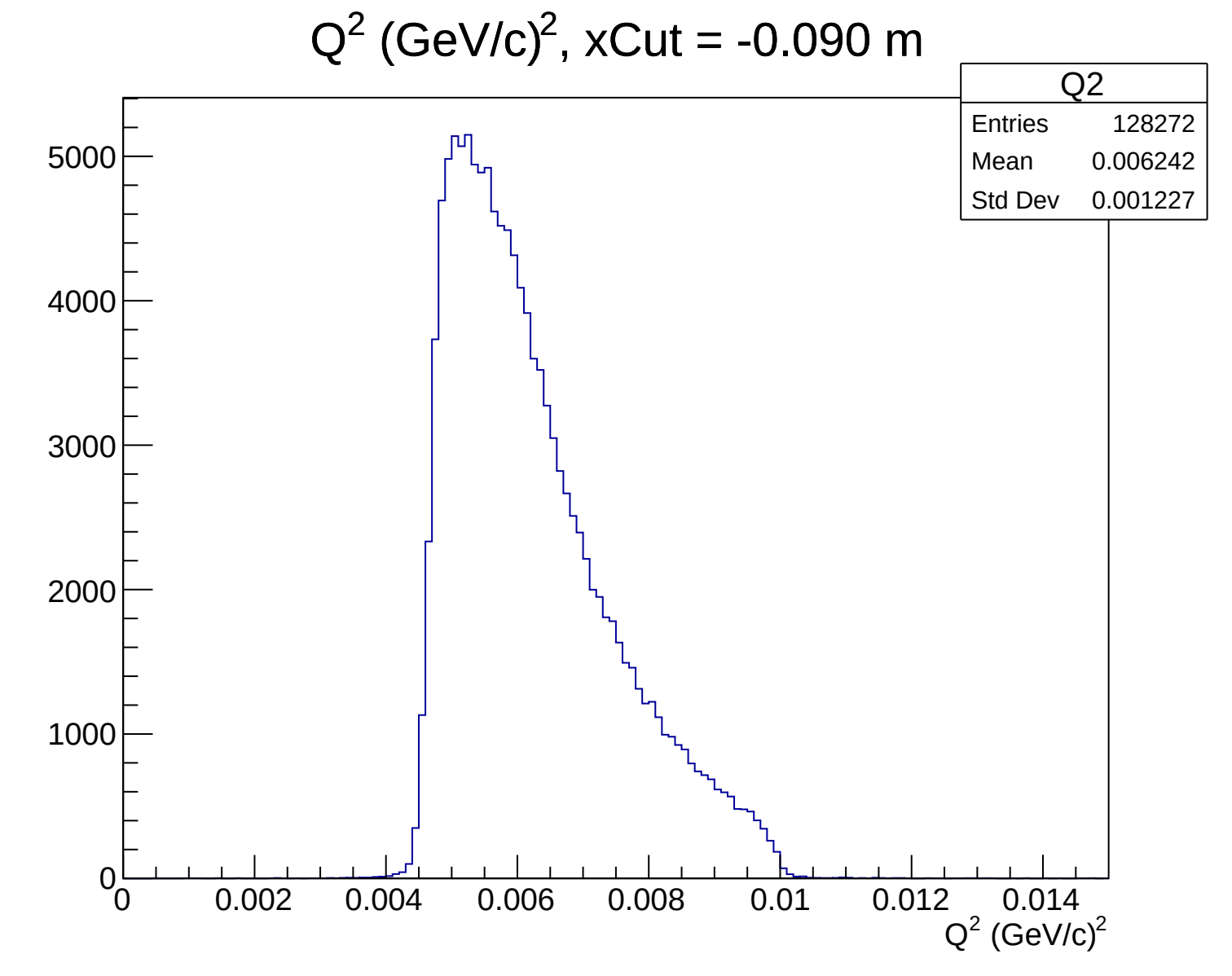

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

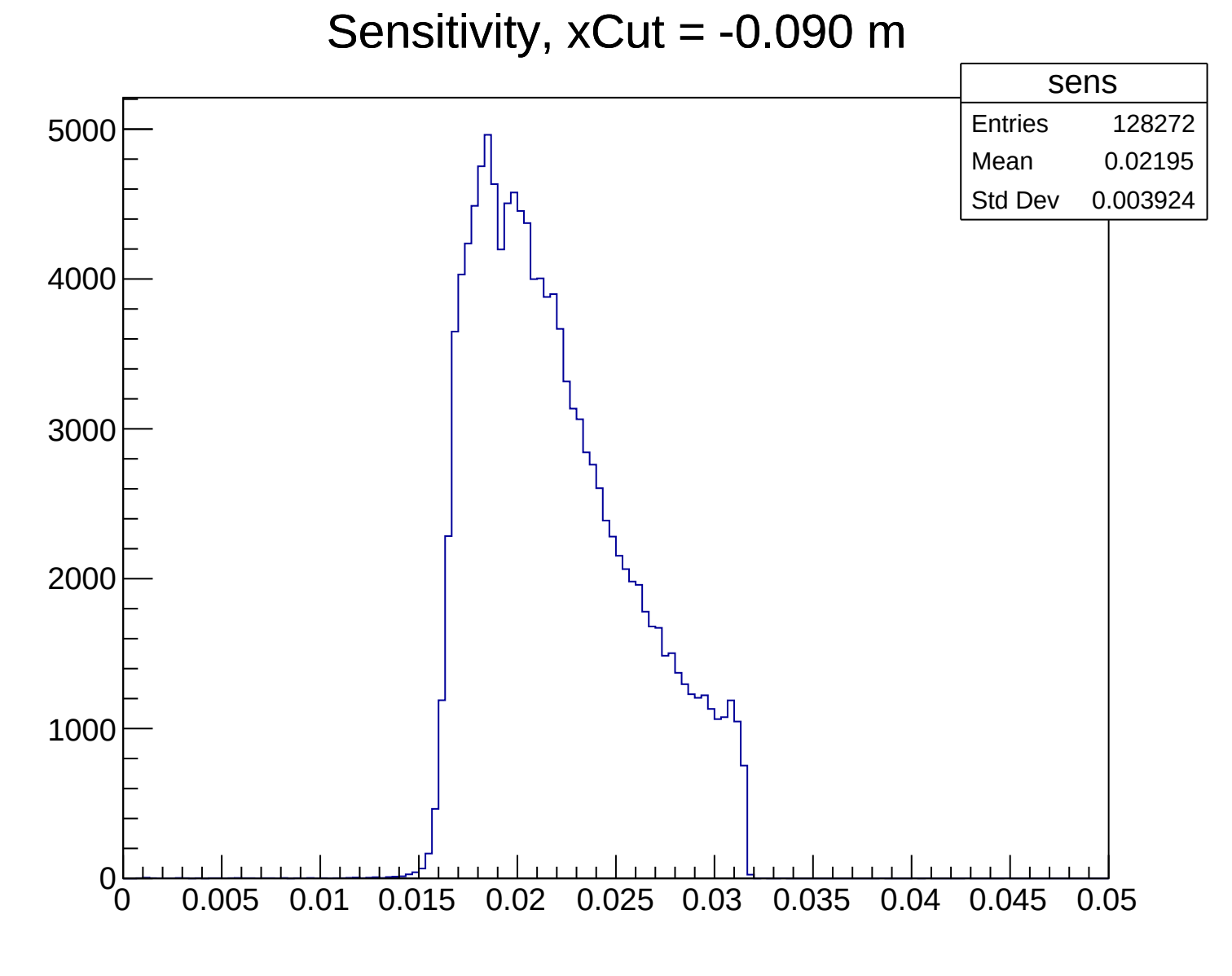

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

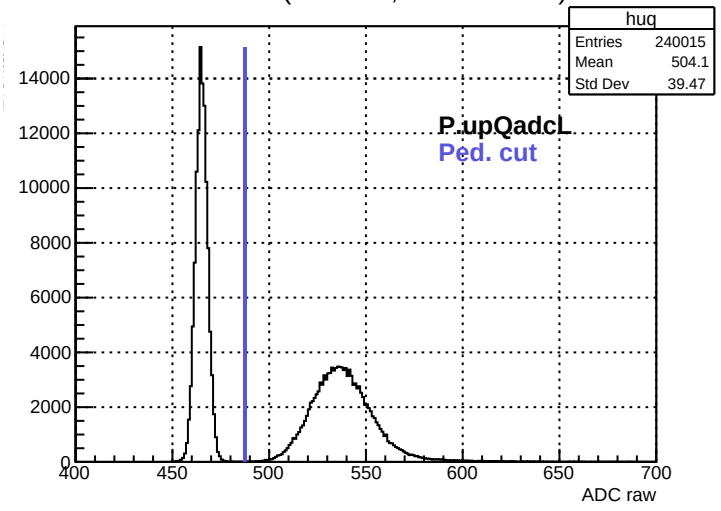

θlab (deg), xCut = -0.090 m
Theta
Entries 128272
Mean 4.755
Std Dev 0.4552
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

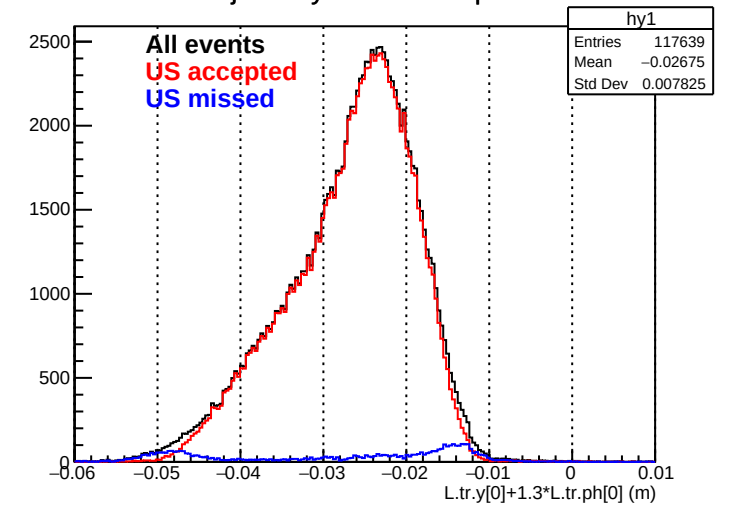

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 128272
Mean 0.5669
Std Dev 0.07457
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

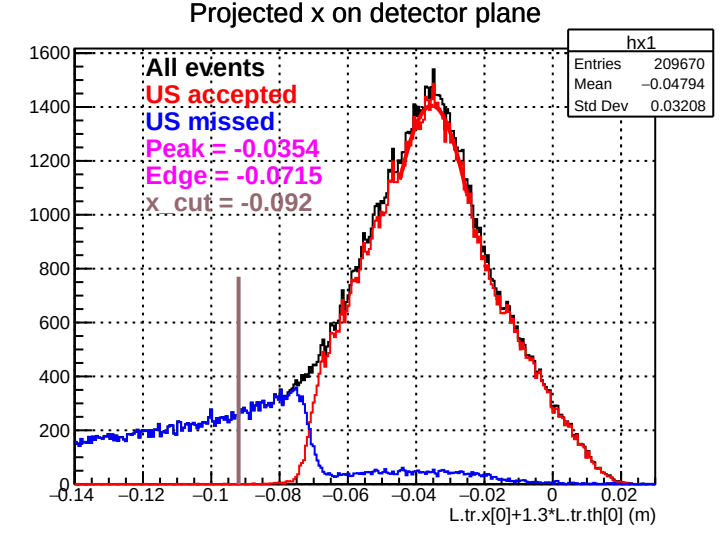

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 128272
Mean 0.5541
Std Dev 0.07076
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

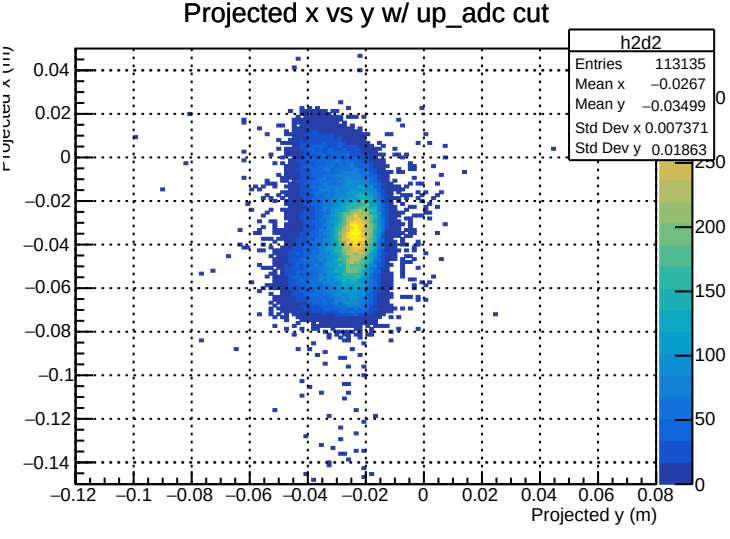

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 128272
Mean 0.006242
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

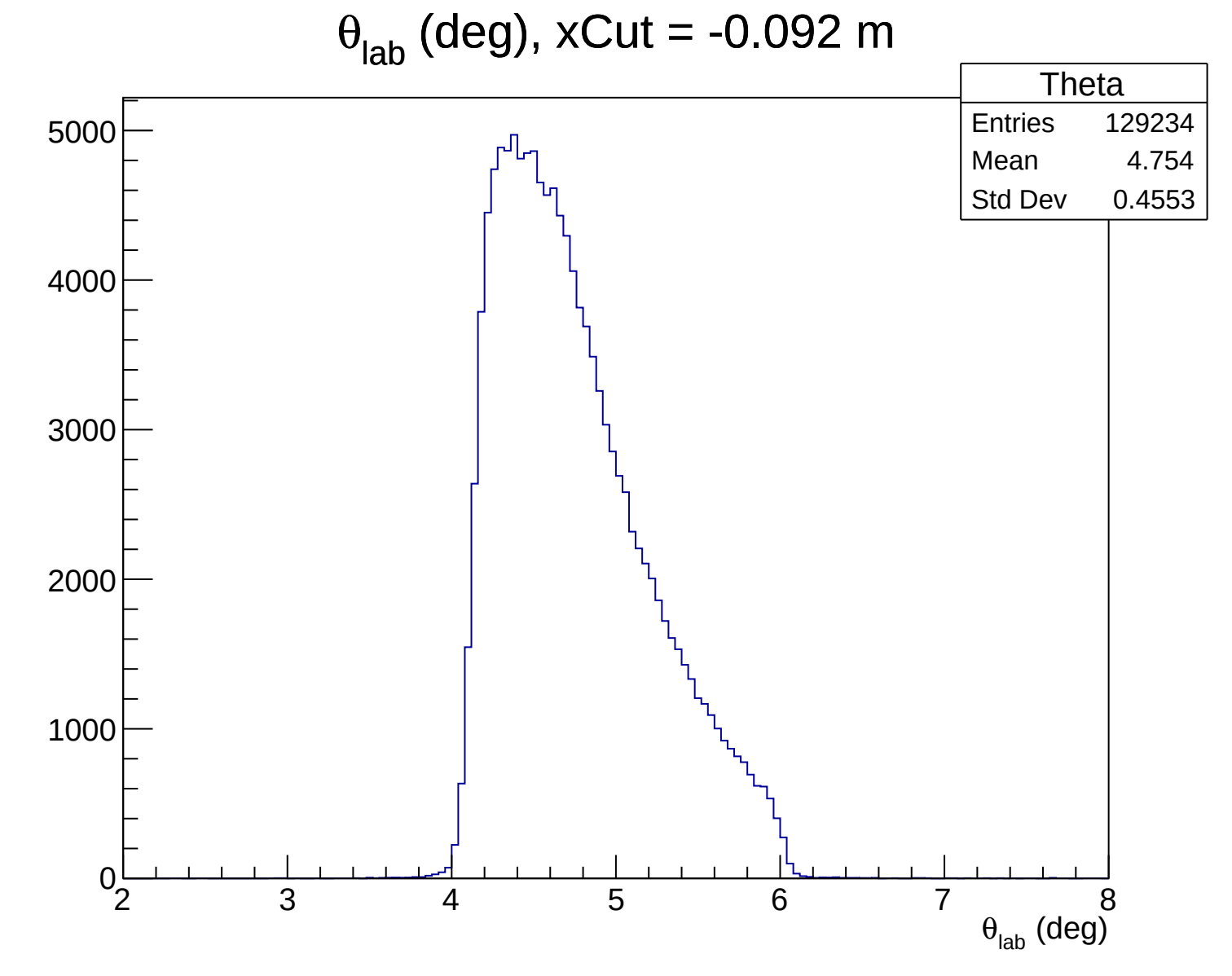

Sensitivity, xCut = -0.090 m
sens
Entries 128272
Mean 0.02195
Std Dev 0.003924
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

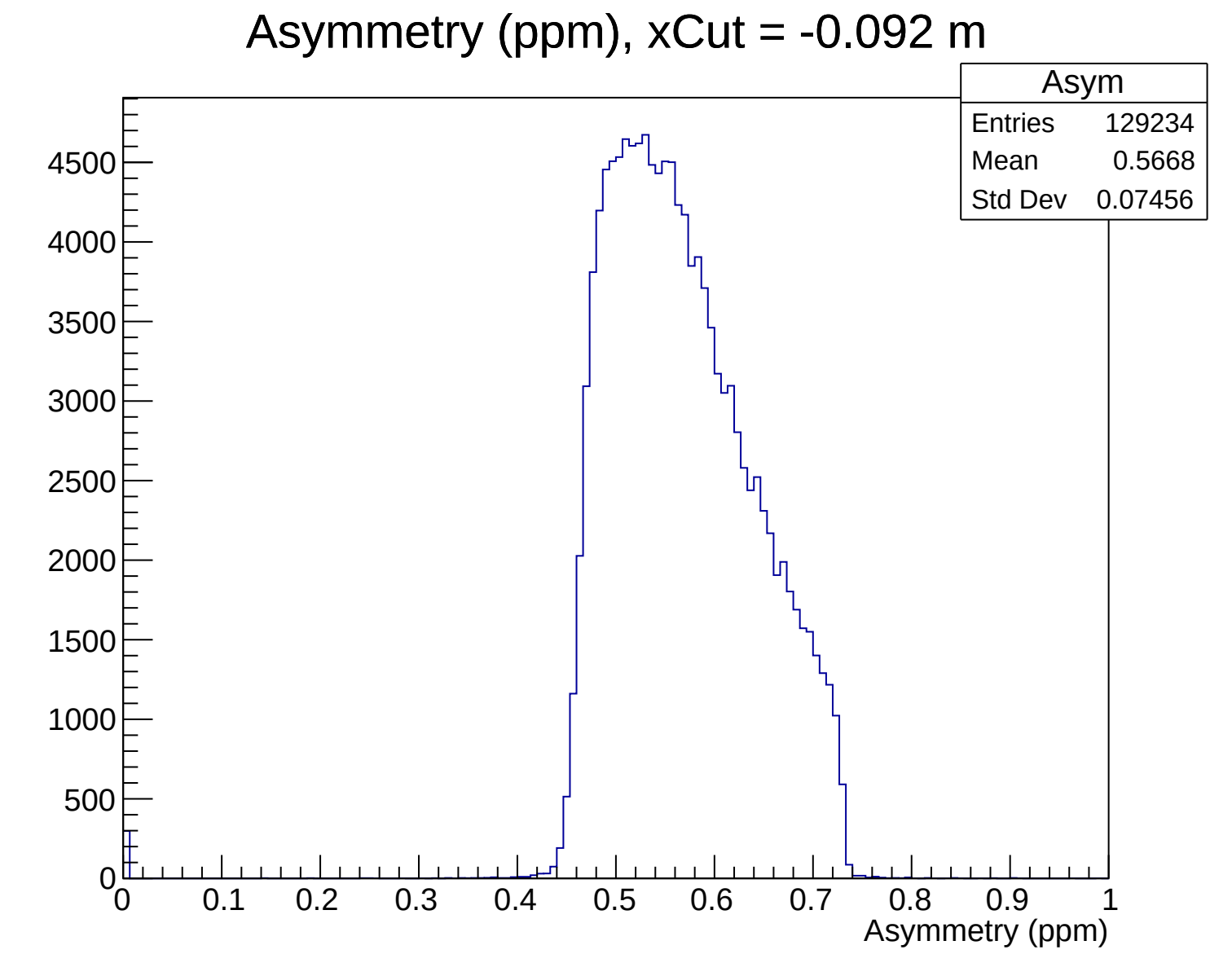

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

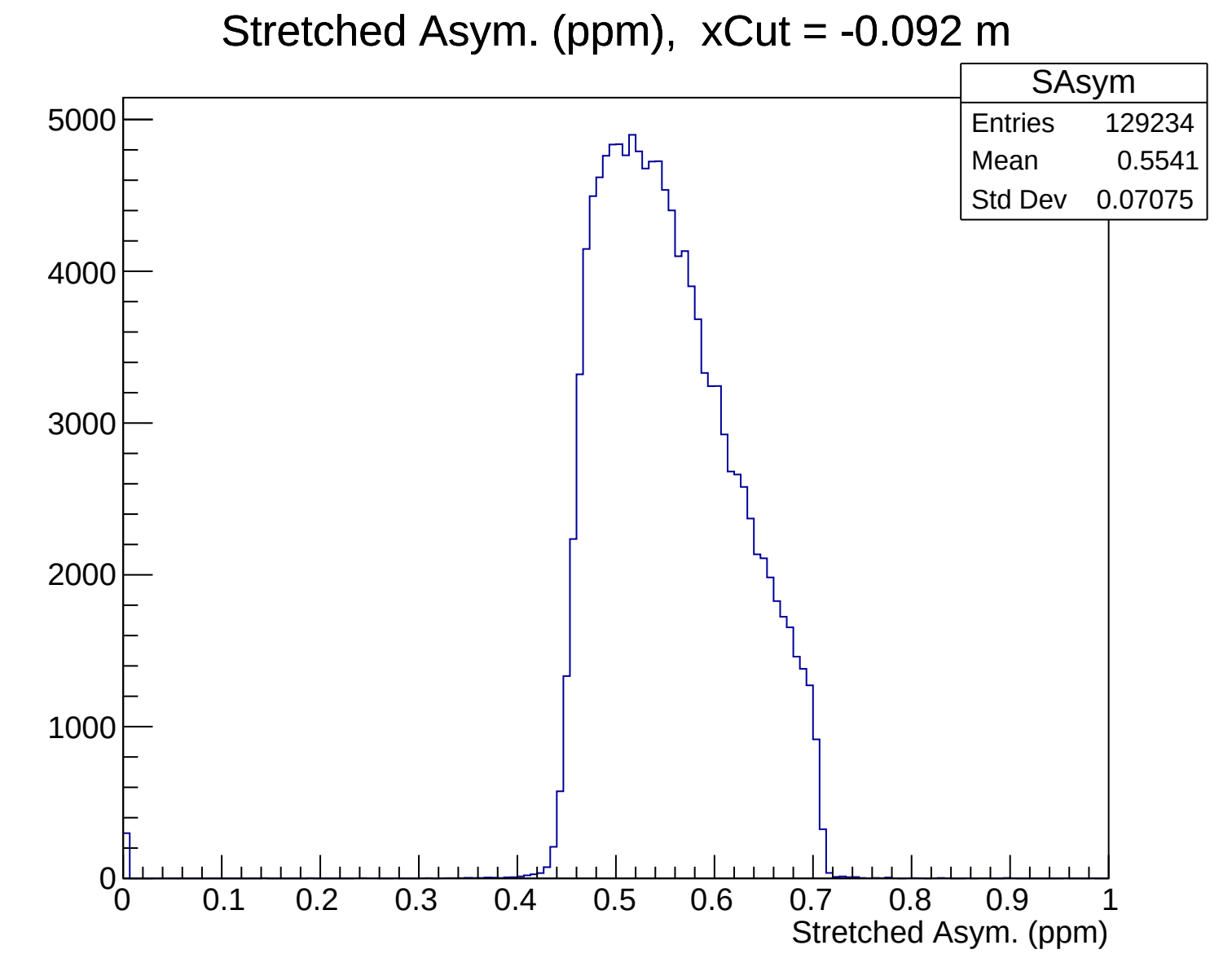

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

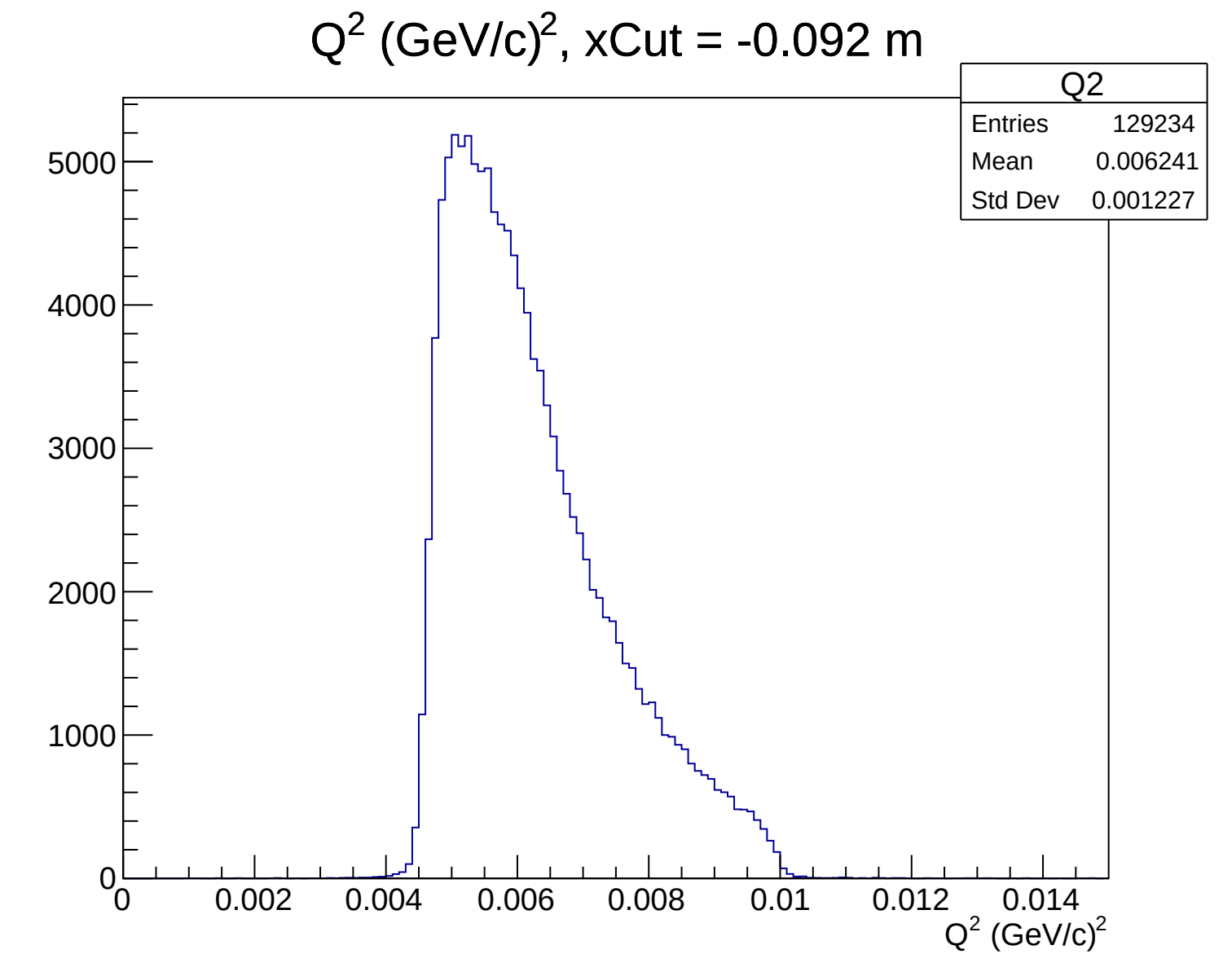

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.092
L.tr.x[0]+1.3*L.tr.th[0] (m)

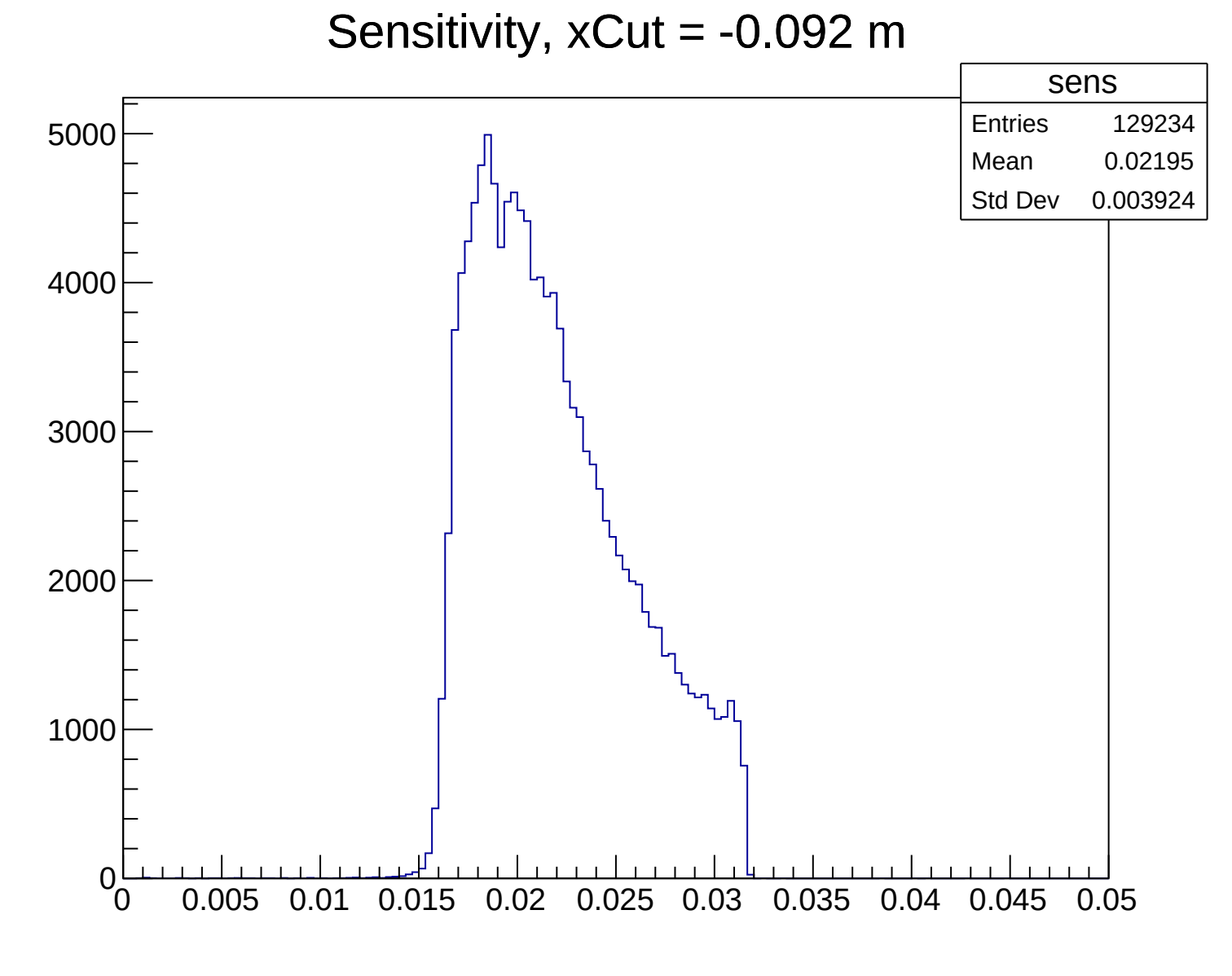

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

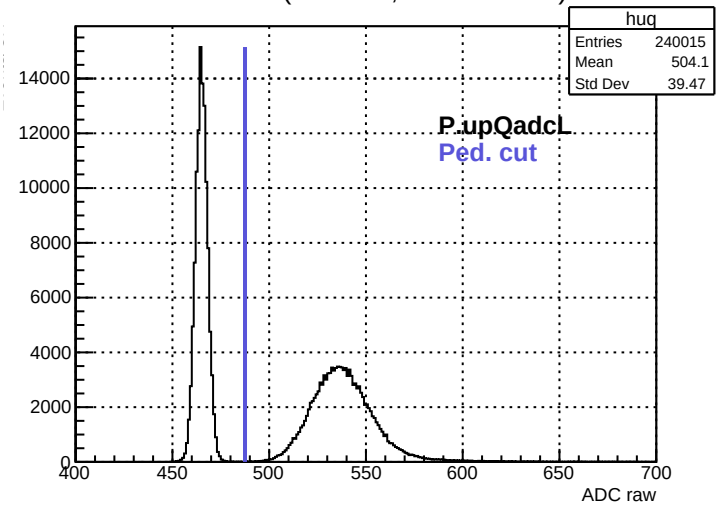

θlab (deg), xCut = -0.092 m
Theta
Entries 129234
Mean 4.754
Std Dev 0.4553
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

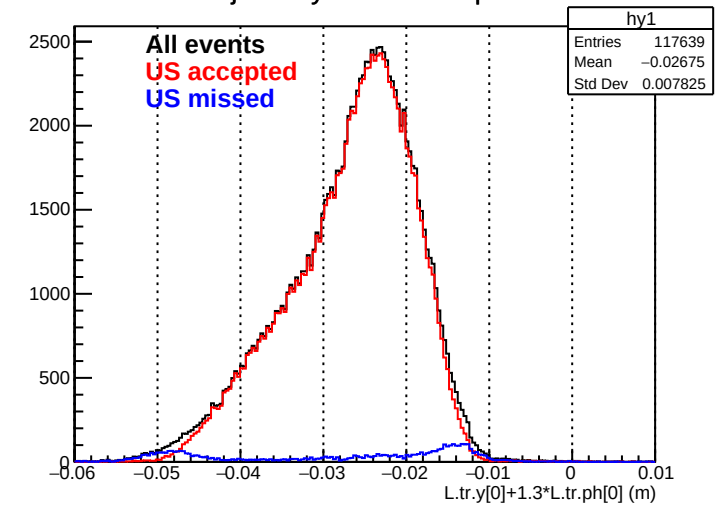

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 129234
Mean 0.5668
Std Dev 0.07456
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

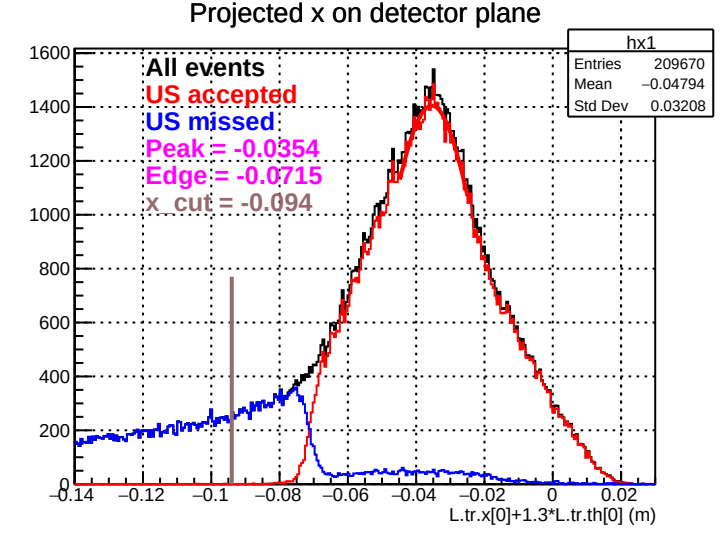

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 129234
Mean 0.5541
Std Dev 0.07075
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

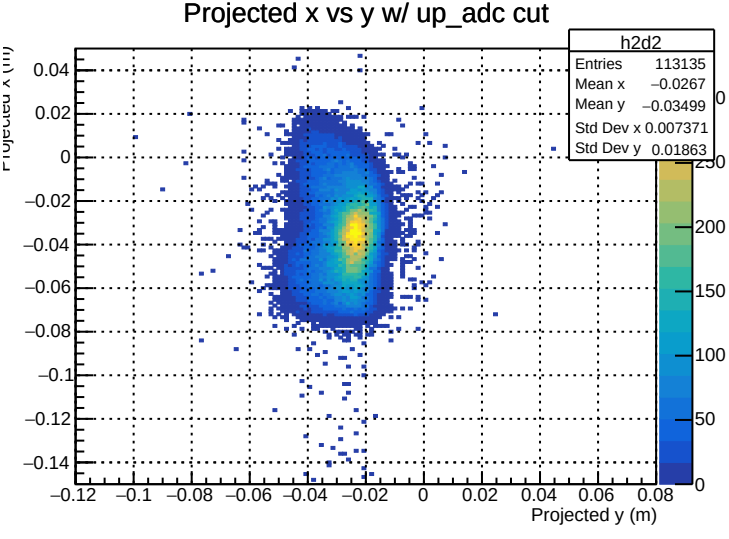

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 129234
Mean 0.006241
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

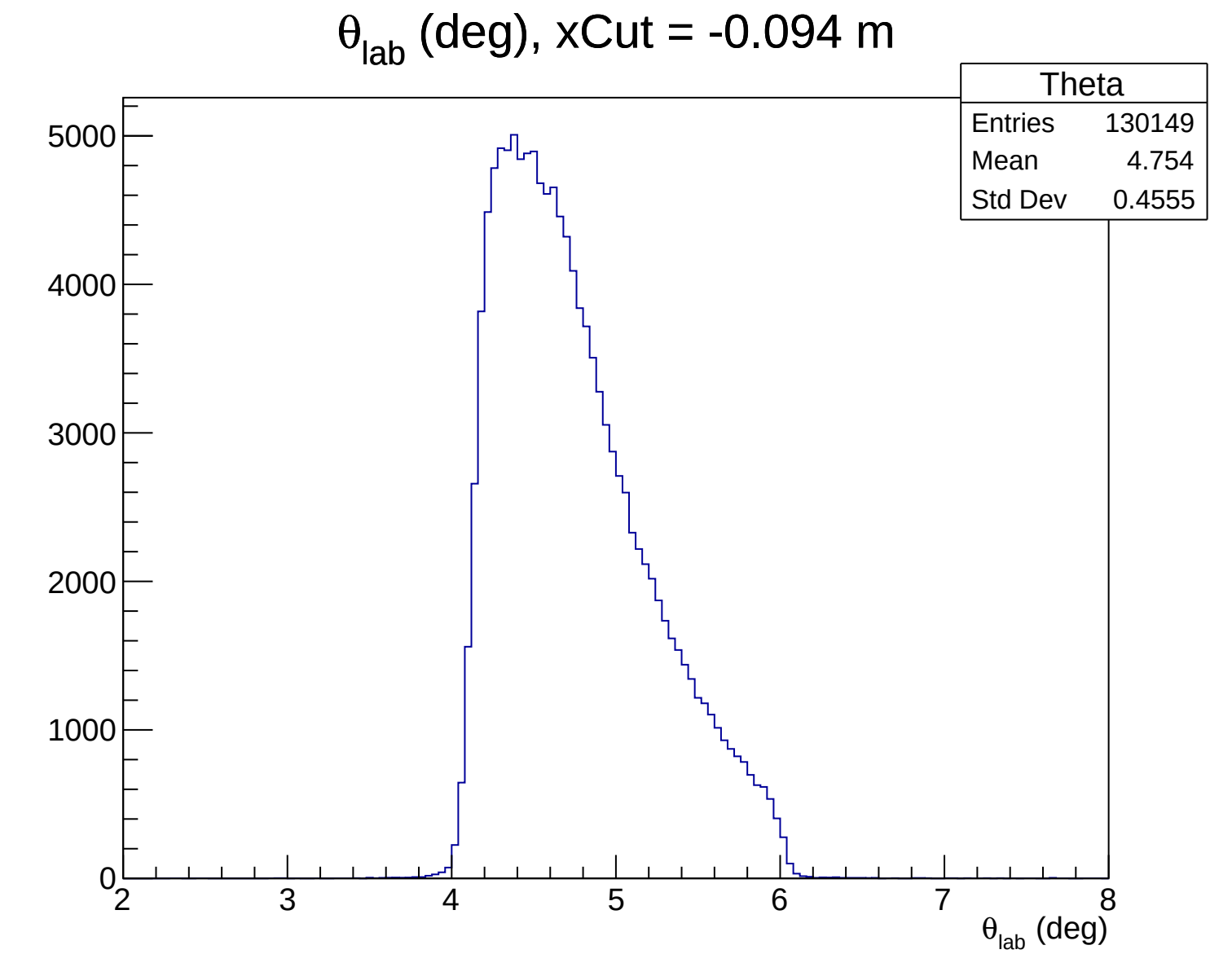

Sensitivity, xCut = -0.092 m
sens
Entries 129234
Mean 0.02195
Std Dev 0.003924
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

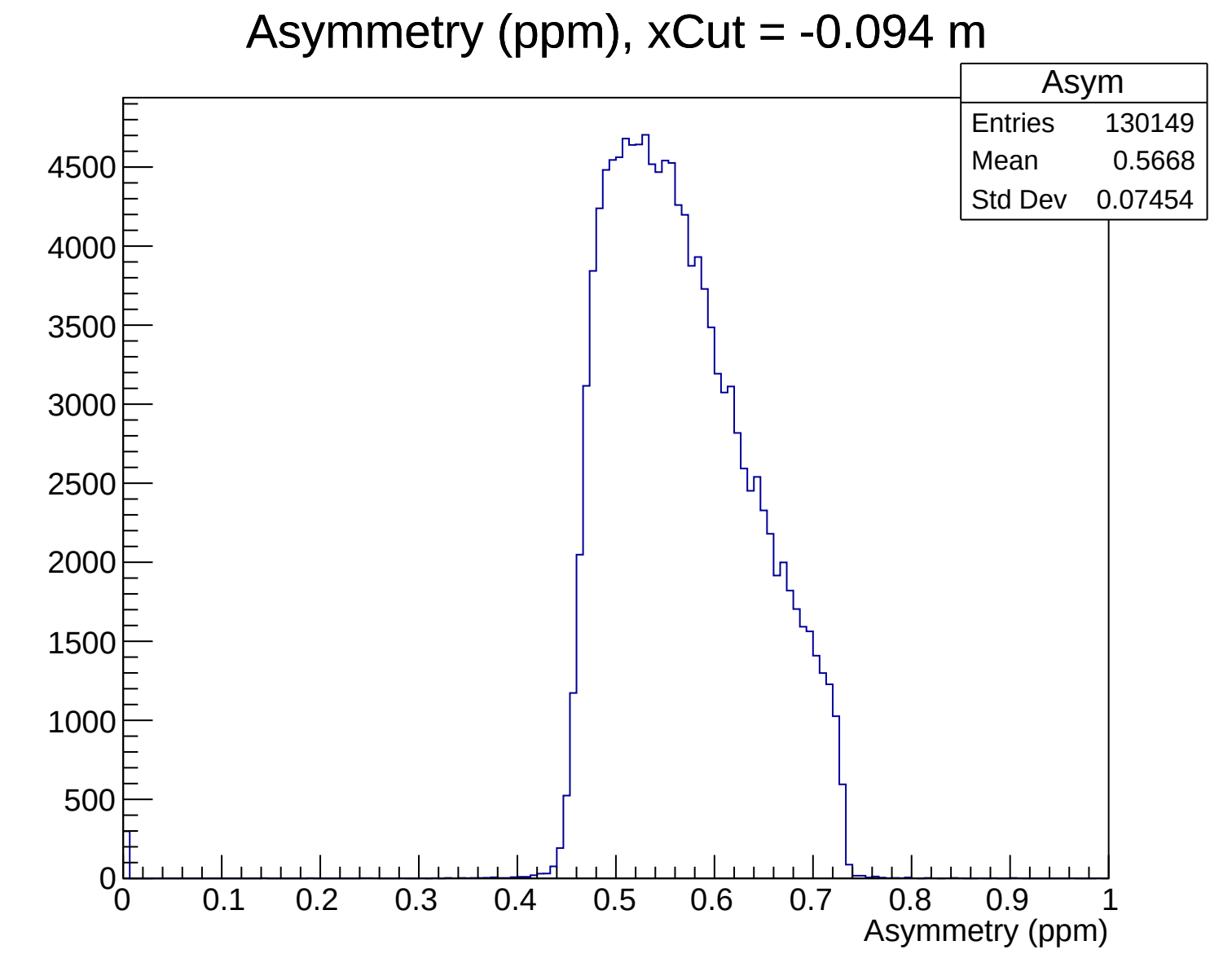

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

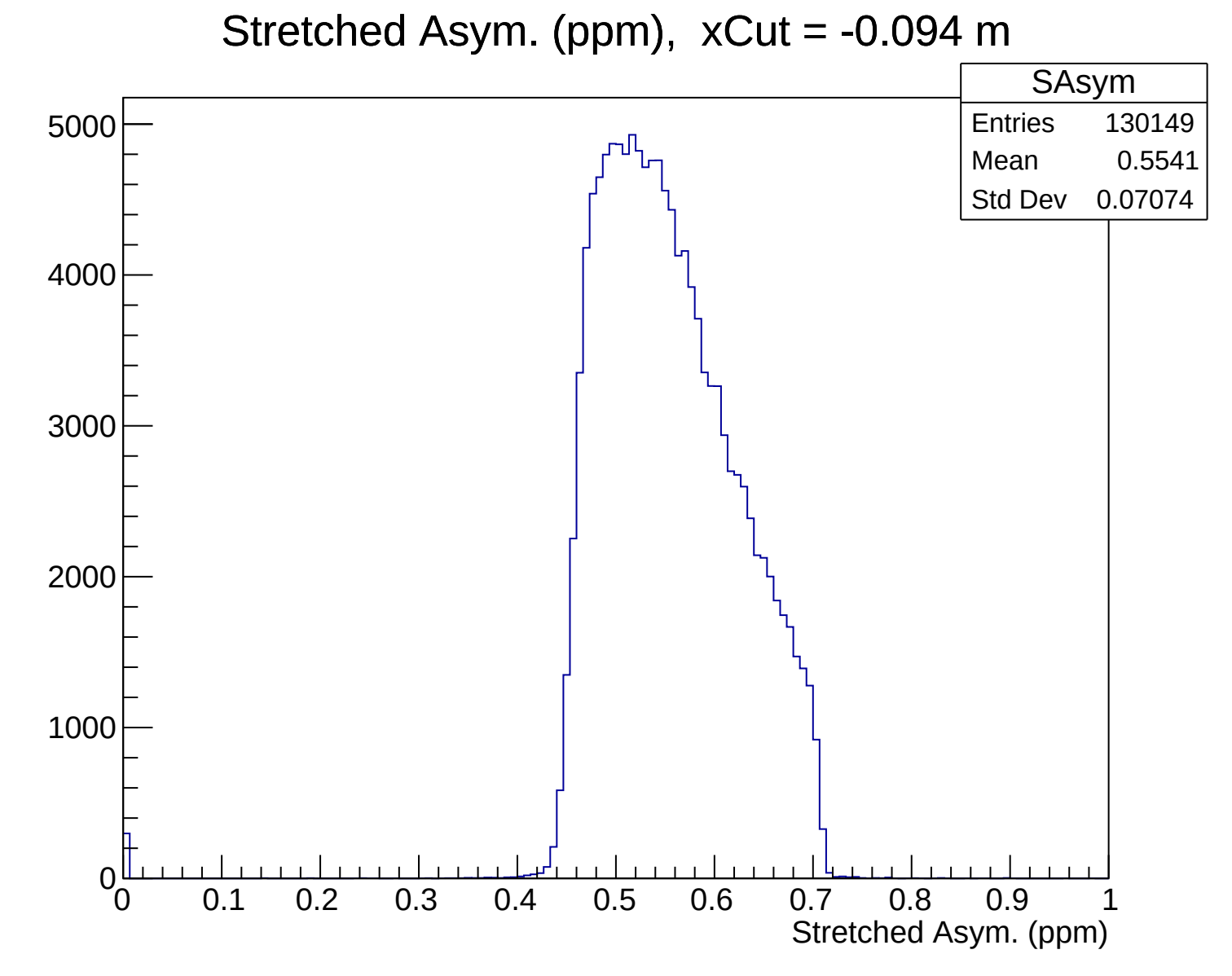

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

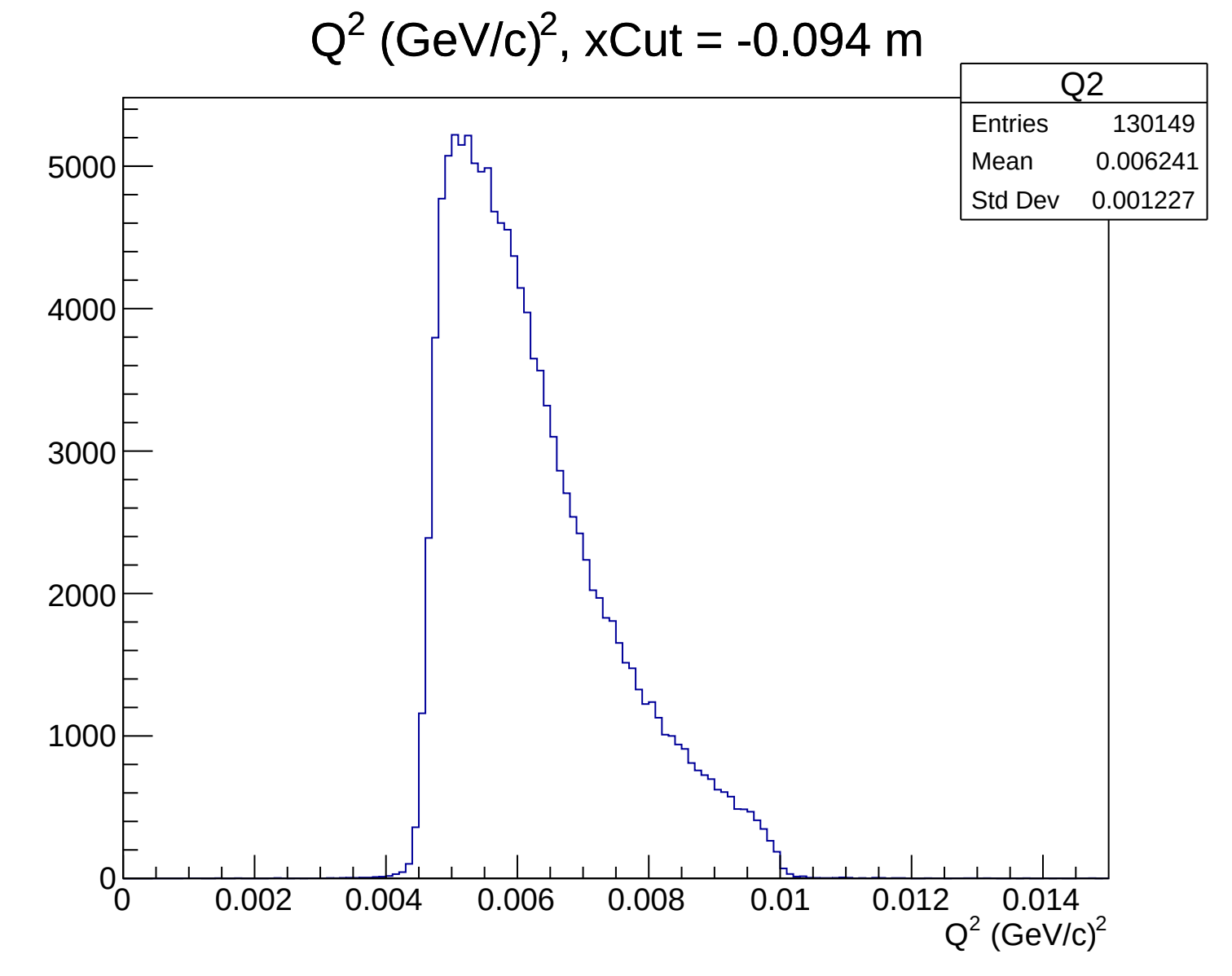

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

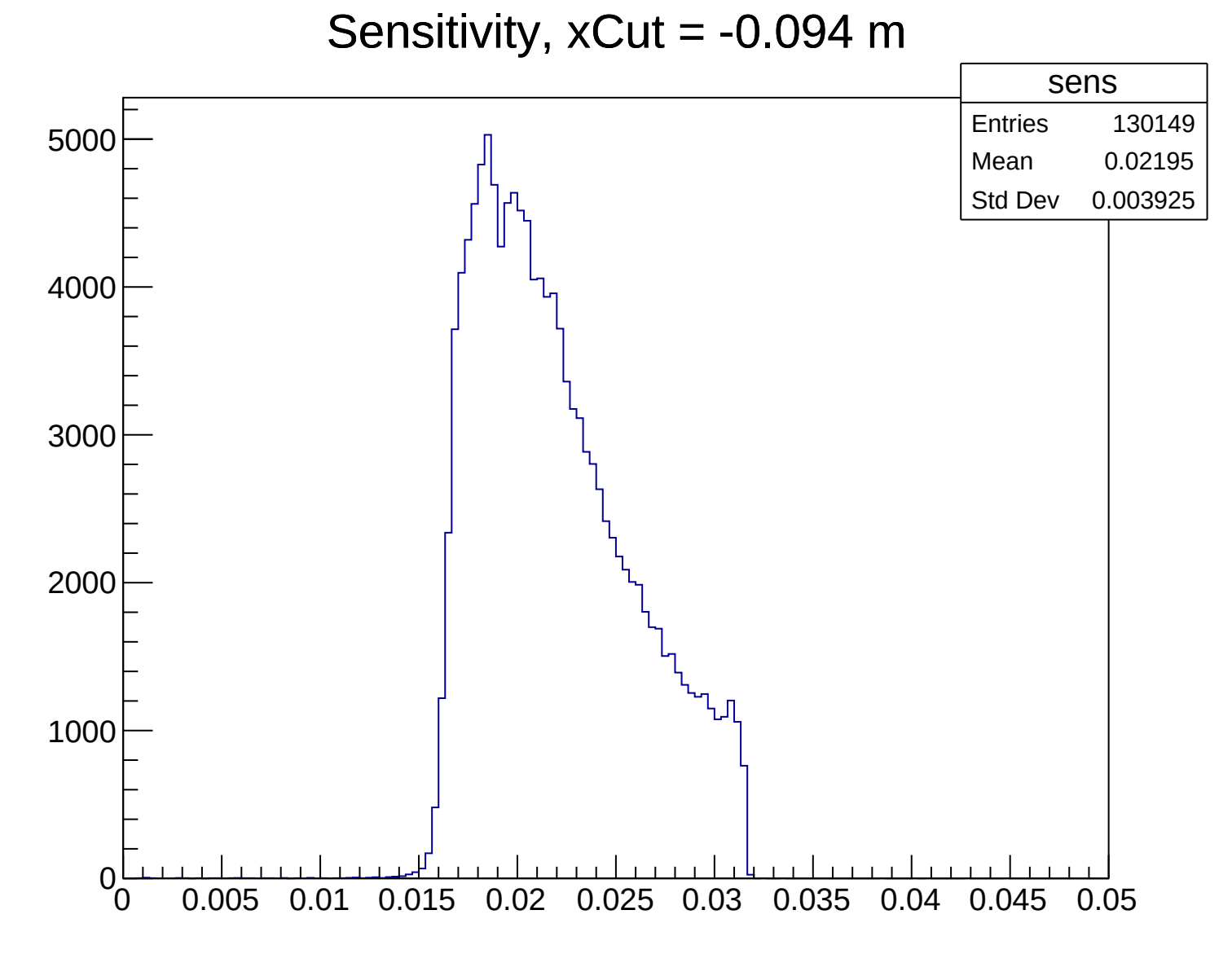

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

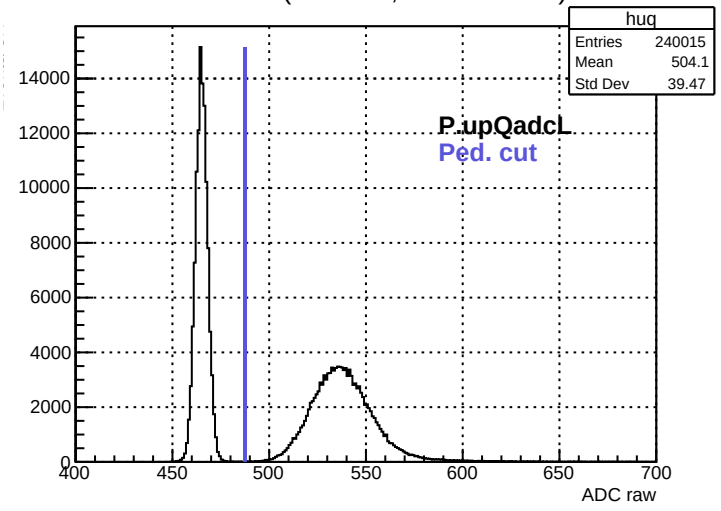

θlab (deg), xCut = -0.094 m
Theta
Entries 130149
Mean 4.754
Std Dev 0.4555
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

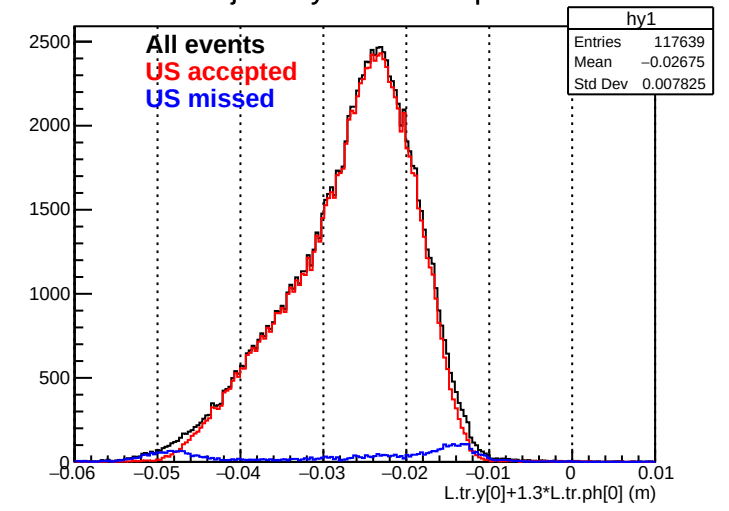

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 130149
Mean 0.5668
Std Dev 0.07454
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

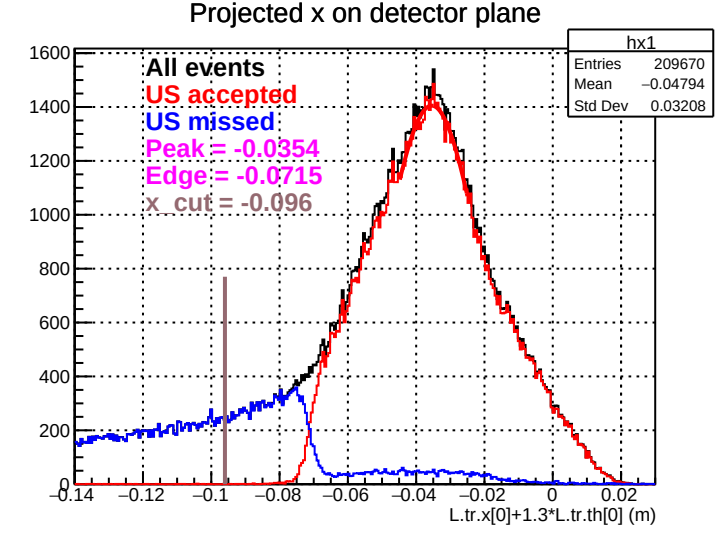

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 130149
Mean 0.5541
Std Dev 0.07074
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

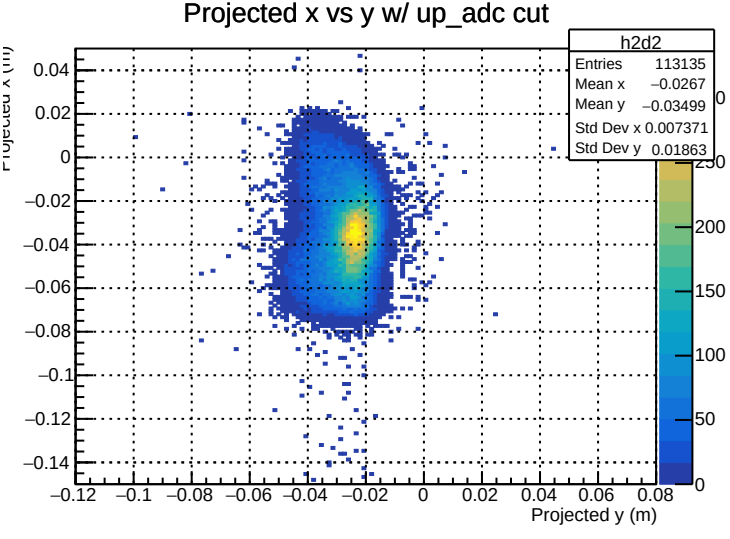

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 130149
Mean 0.006241
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

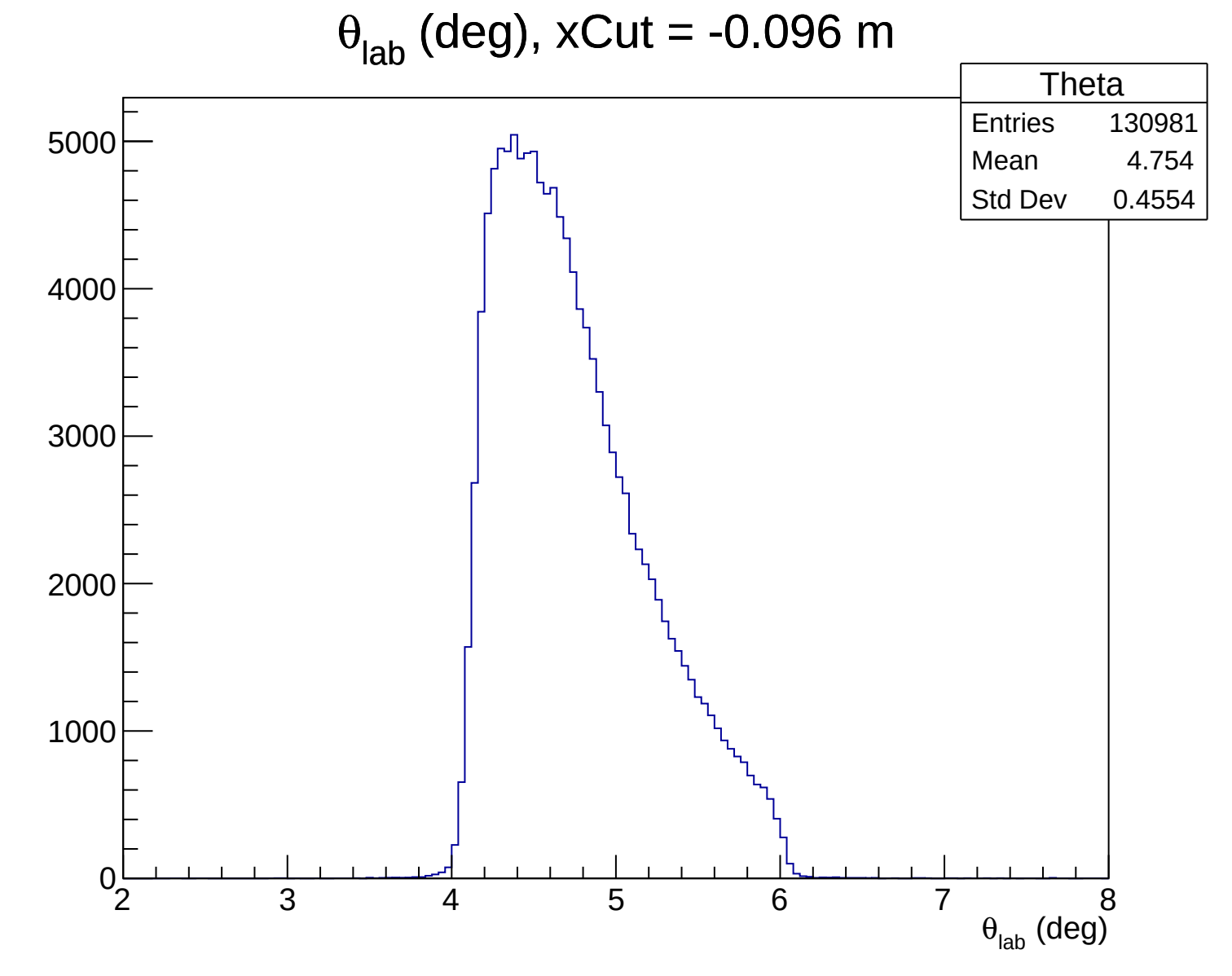

Sensitivity, xCut = -0.094 m
sens
Entries 130149
Mean 0.02195
Std Dev 0.003925
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

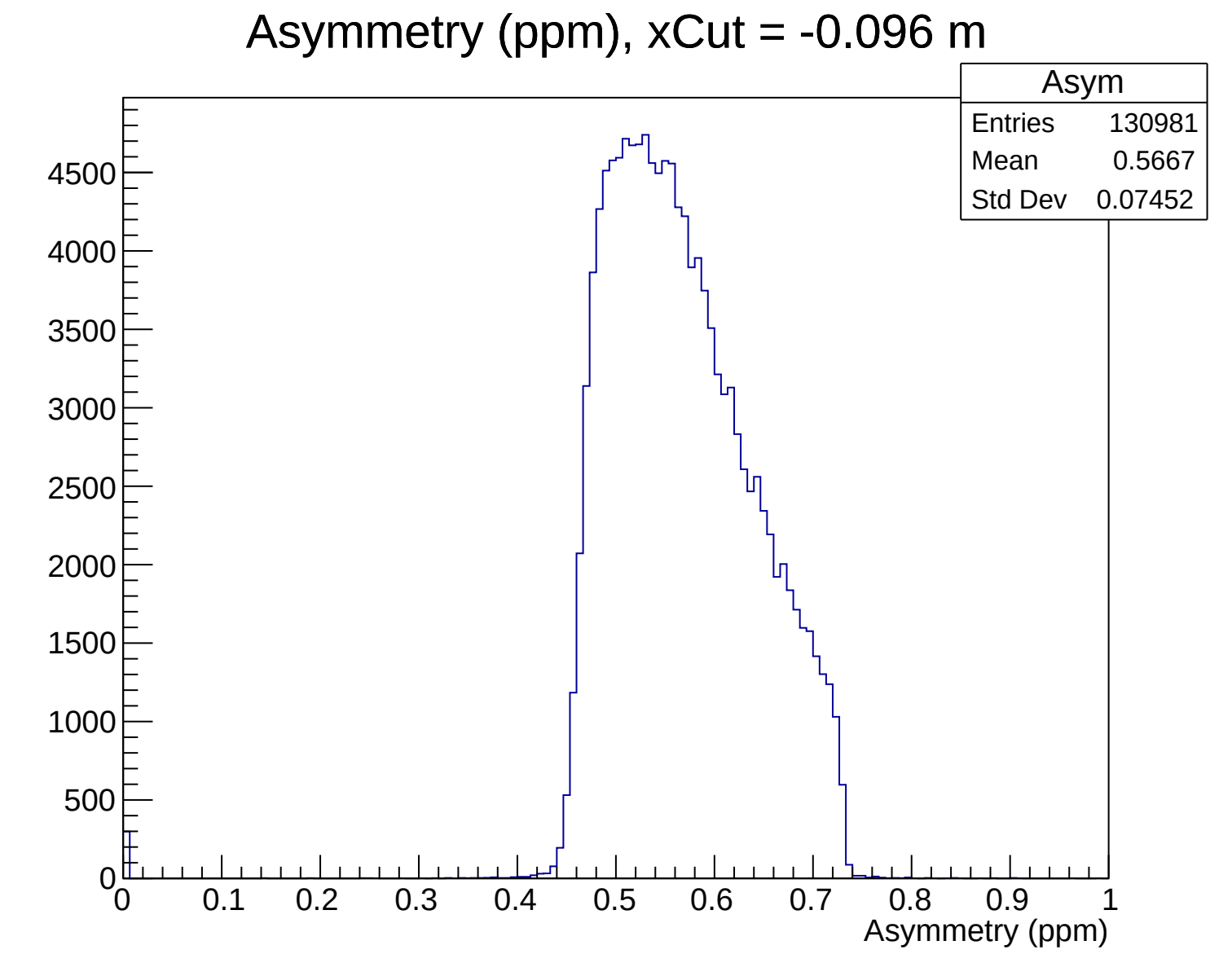

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

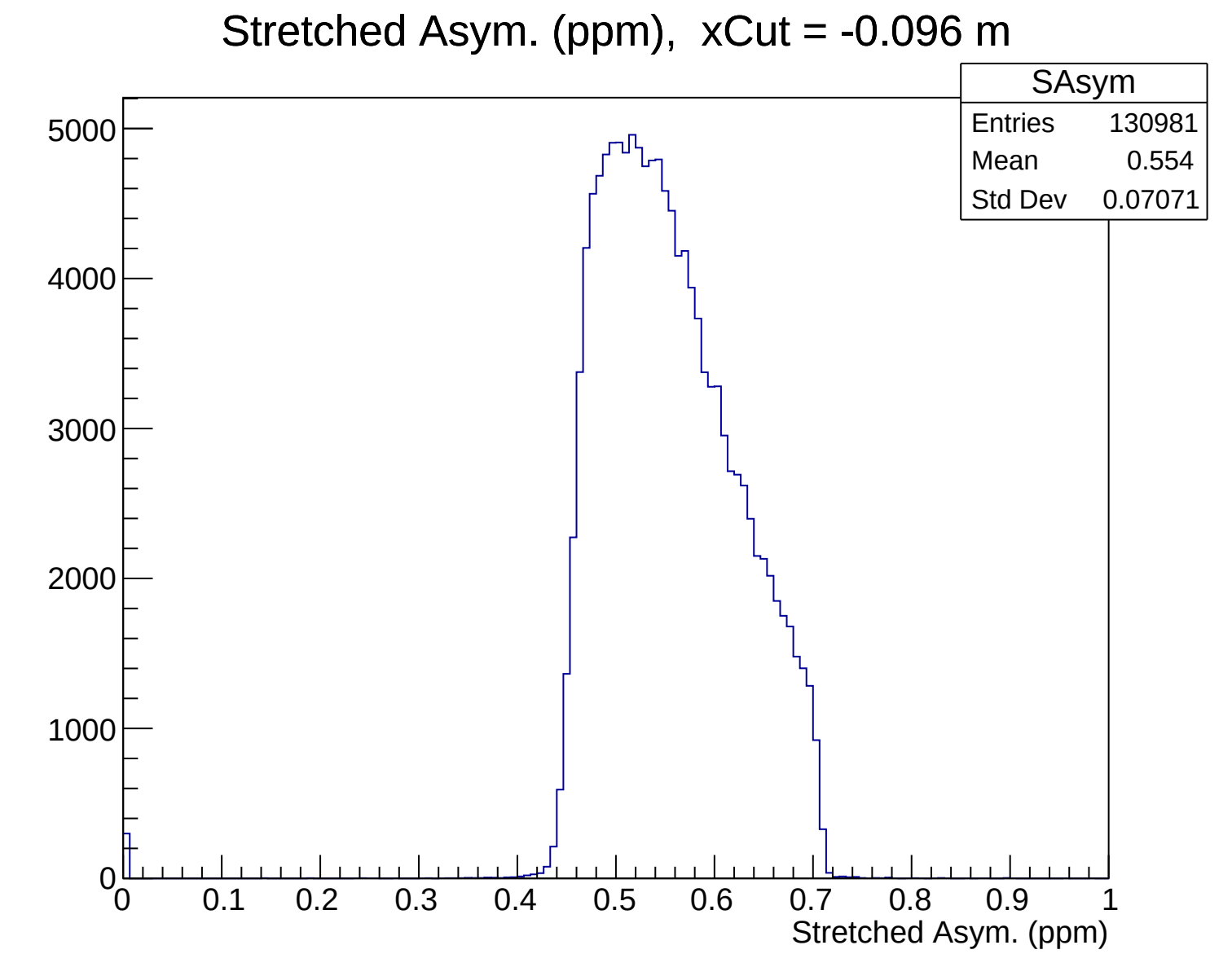

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

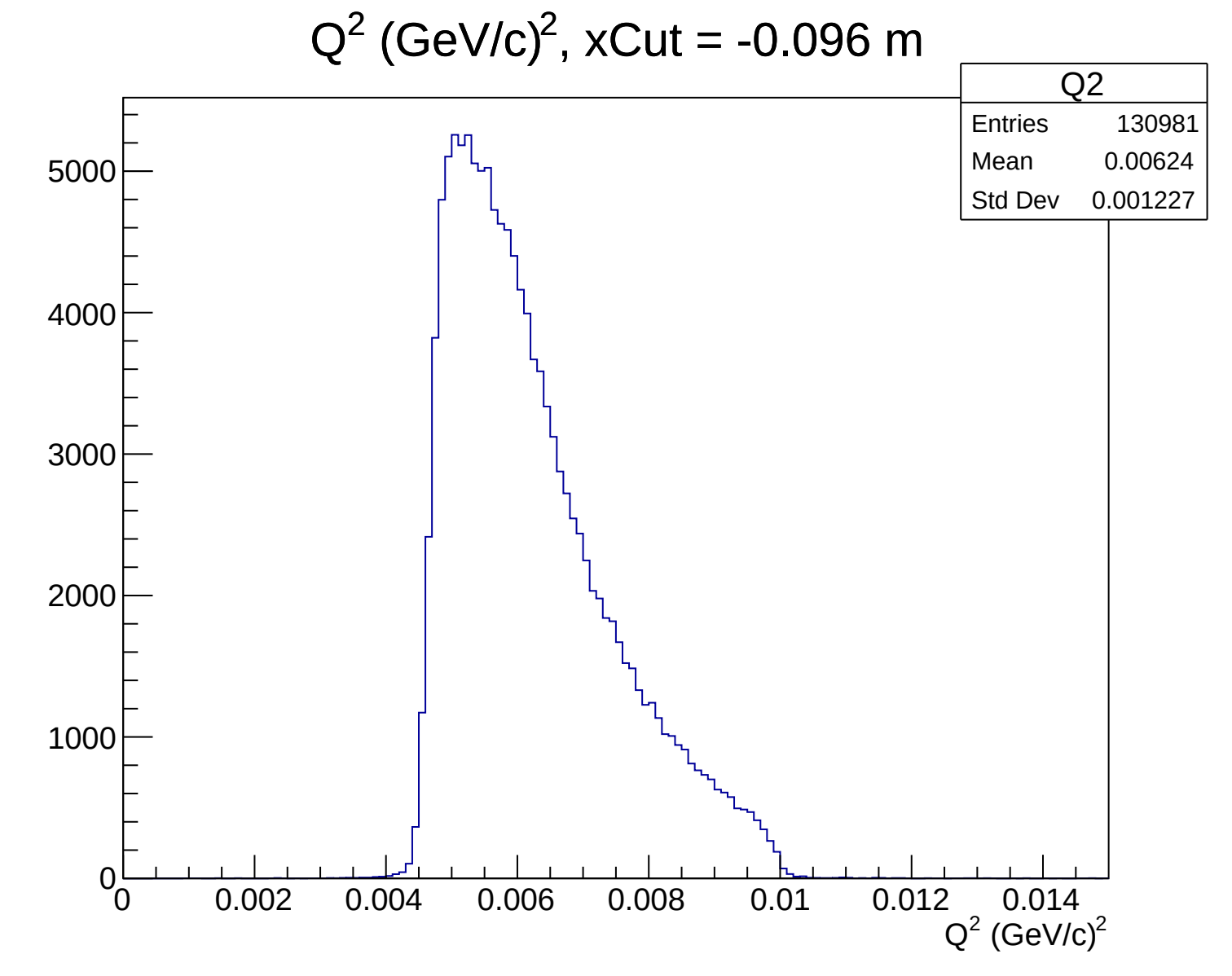

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.096
L.tr.x[0]+1.3*L.tr.th[0] (m)

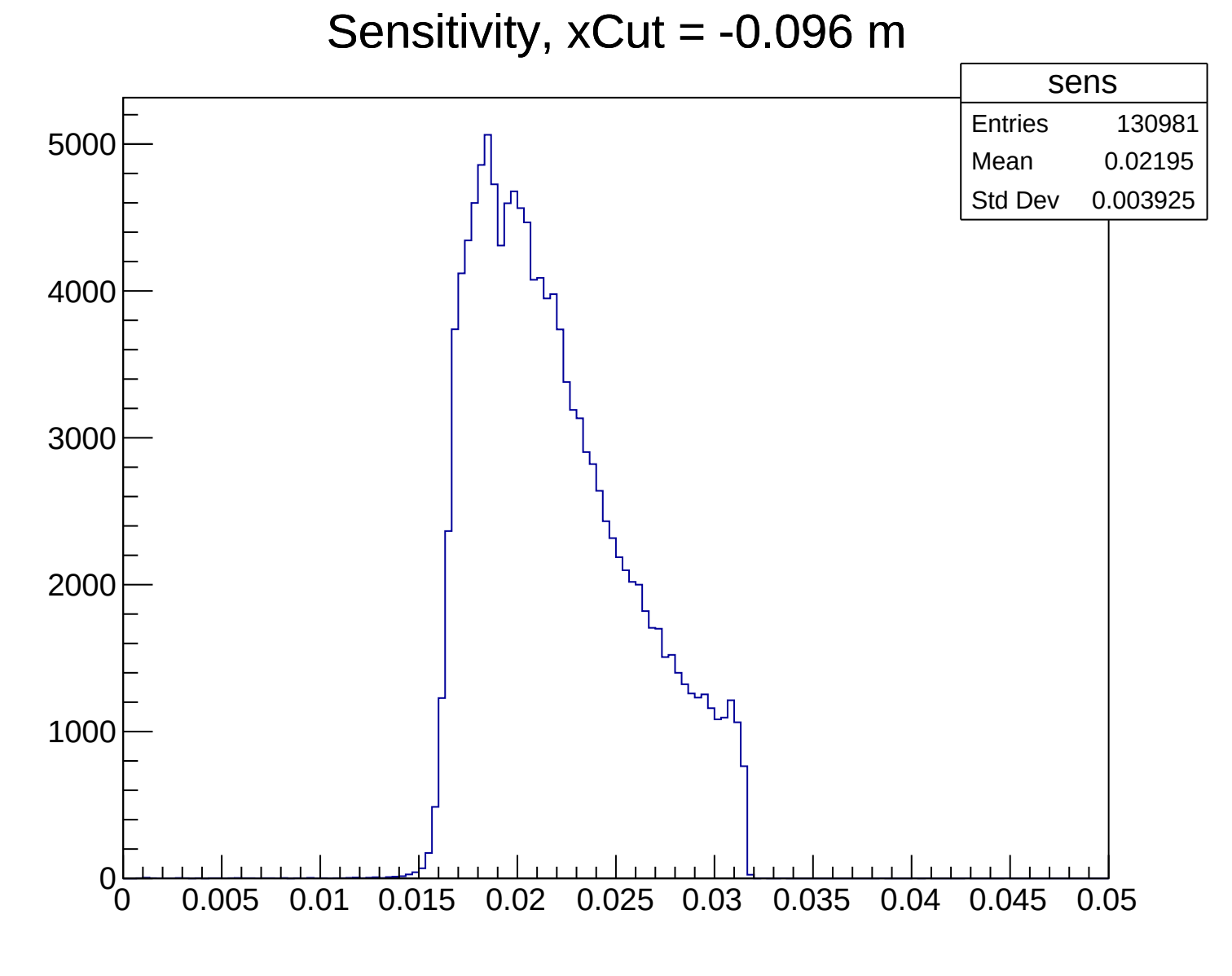

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

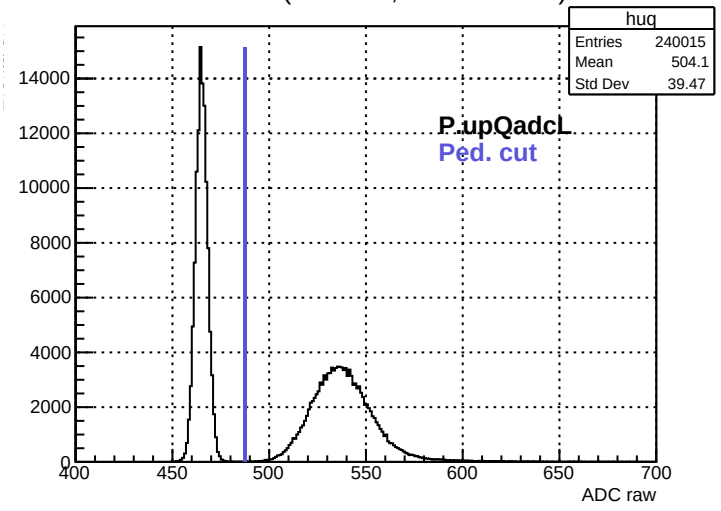

θlab (deg), xCut = -0.096 m
Theta
Entries 130981
Mean 4.754
Std Dev 0.4554
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

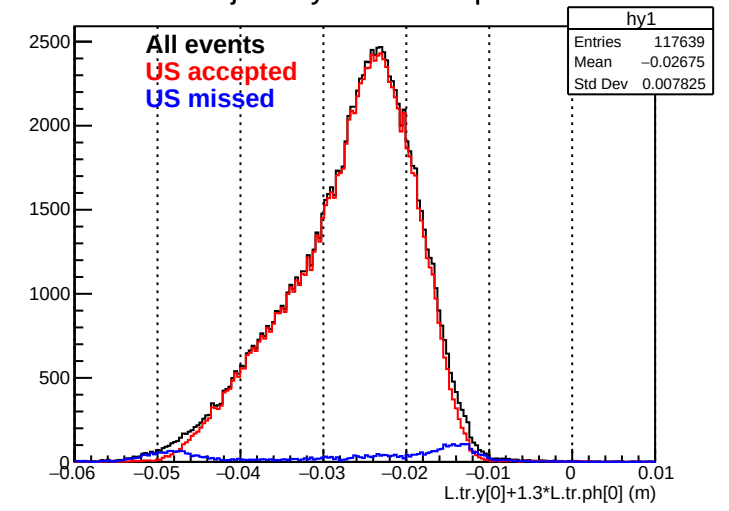

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 130981
Mean 0.5667
Std Dev 0.07452
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

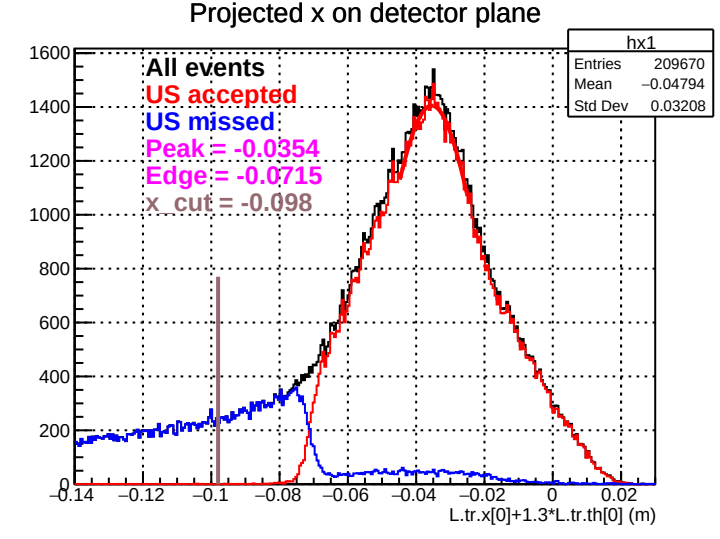

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 130981
Mean 0.554
Std Dev 0.07071
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

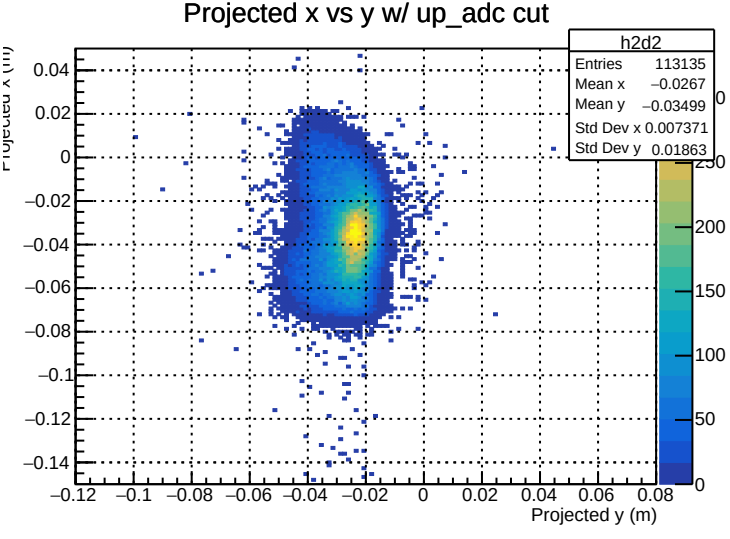

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 130981
Mean 0.00624
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

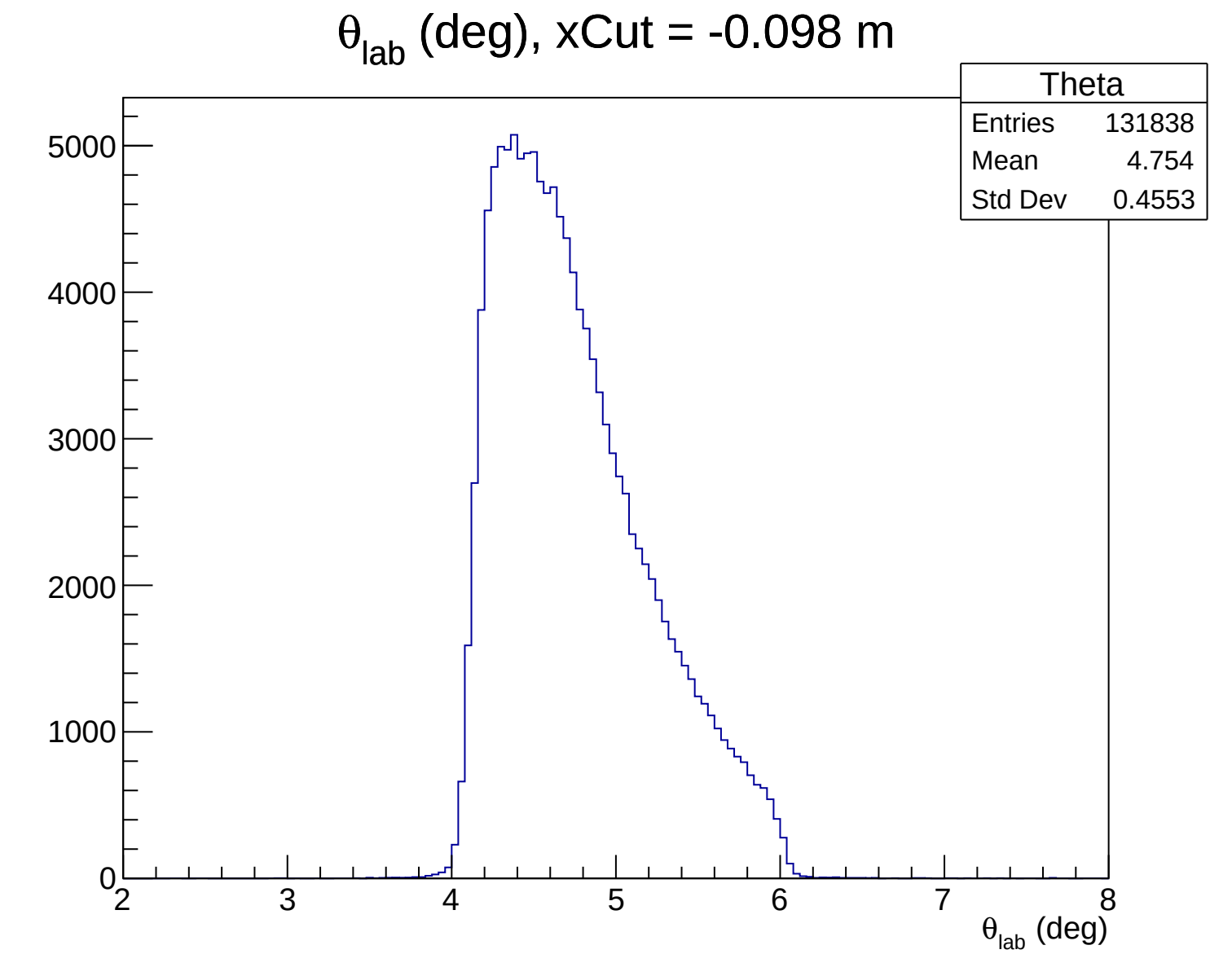

Sensitivity, xCut = -0.096 m
sens
Entries 130981
Mean 0.02195
Std Dev 0.003925
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

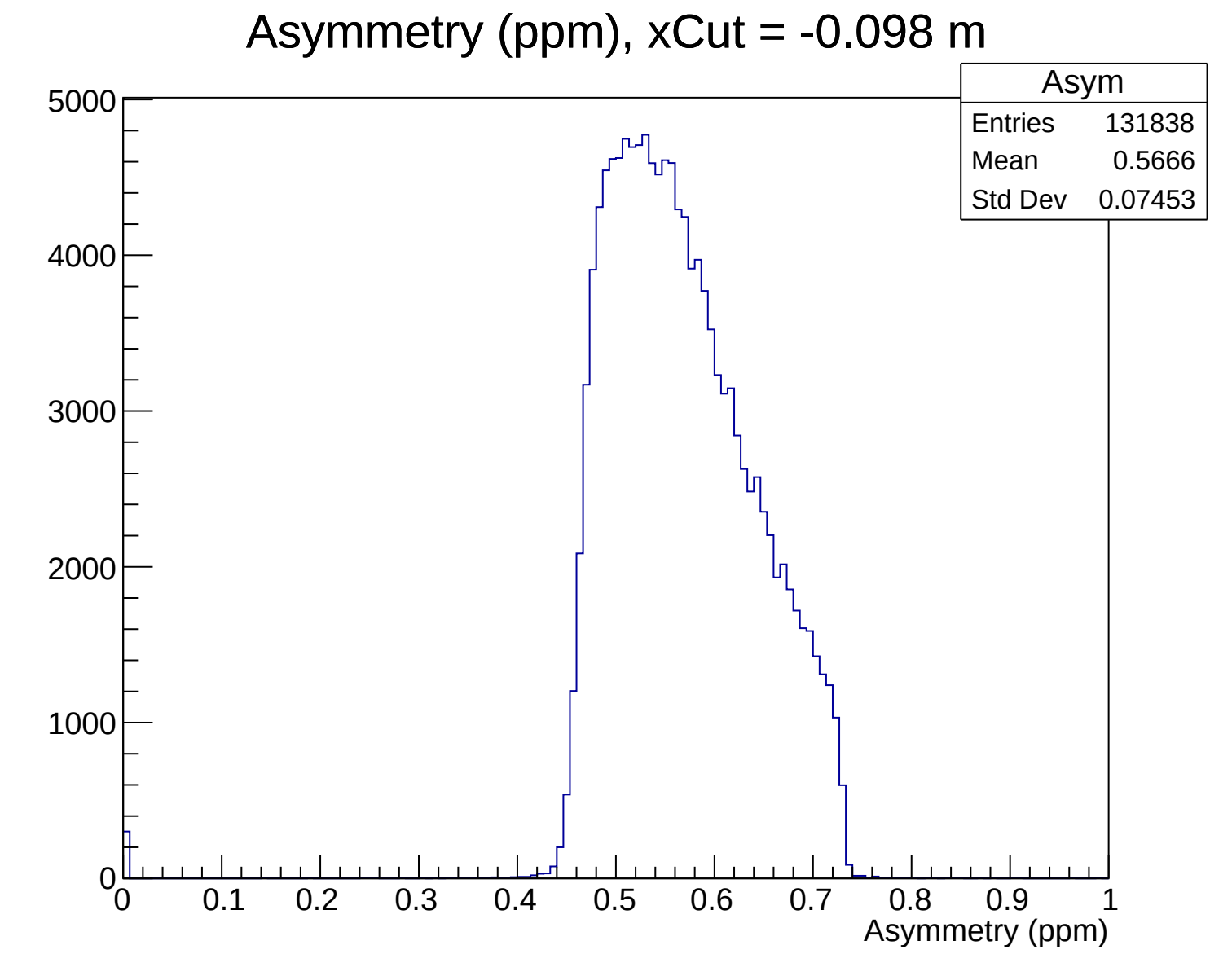

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

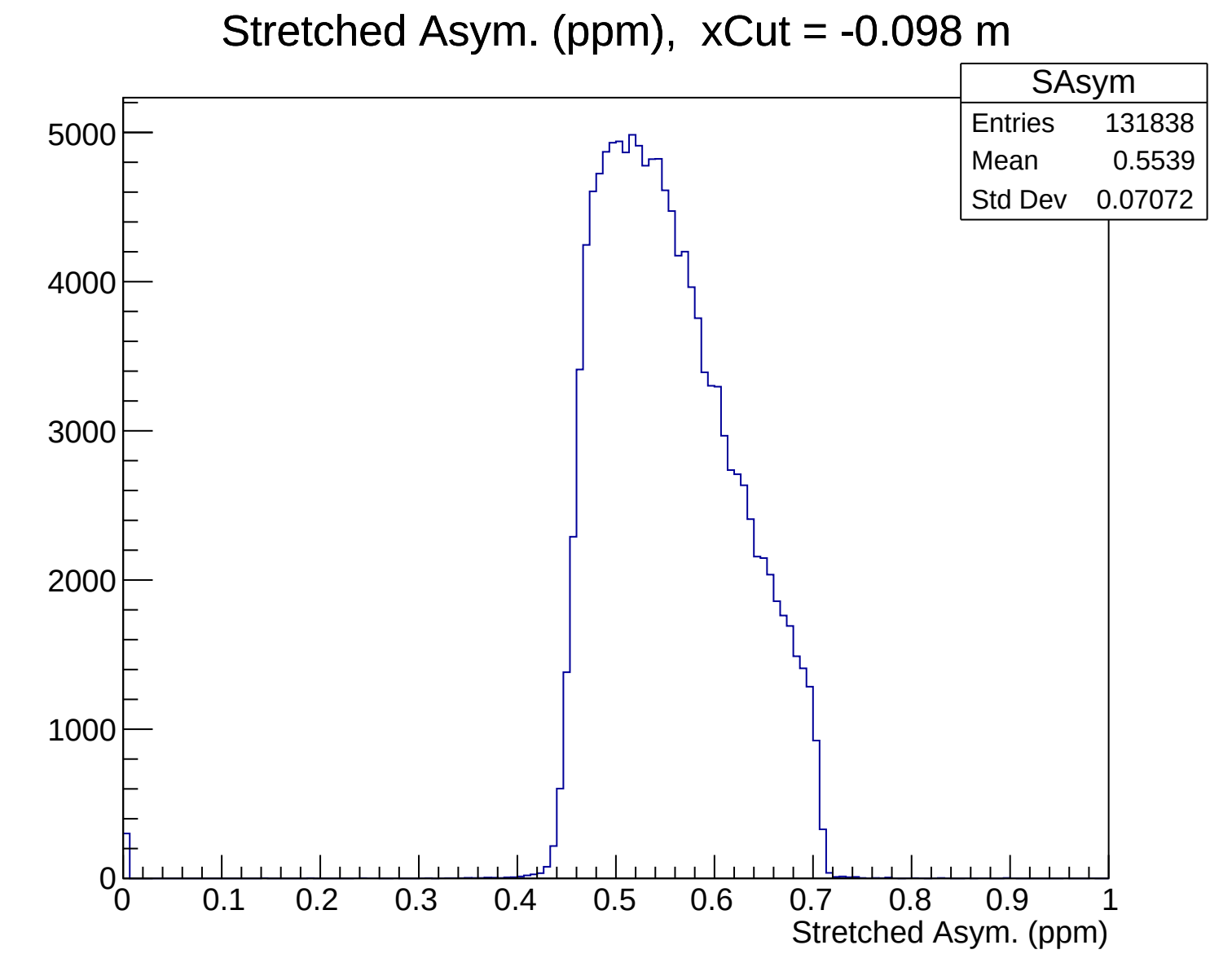

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

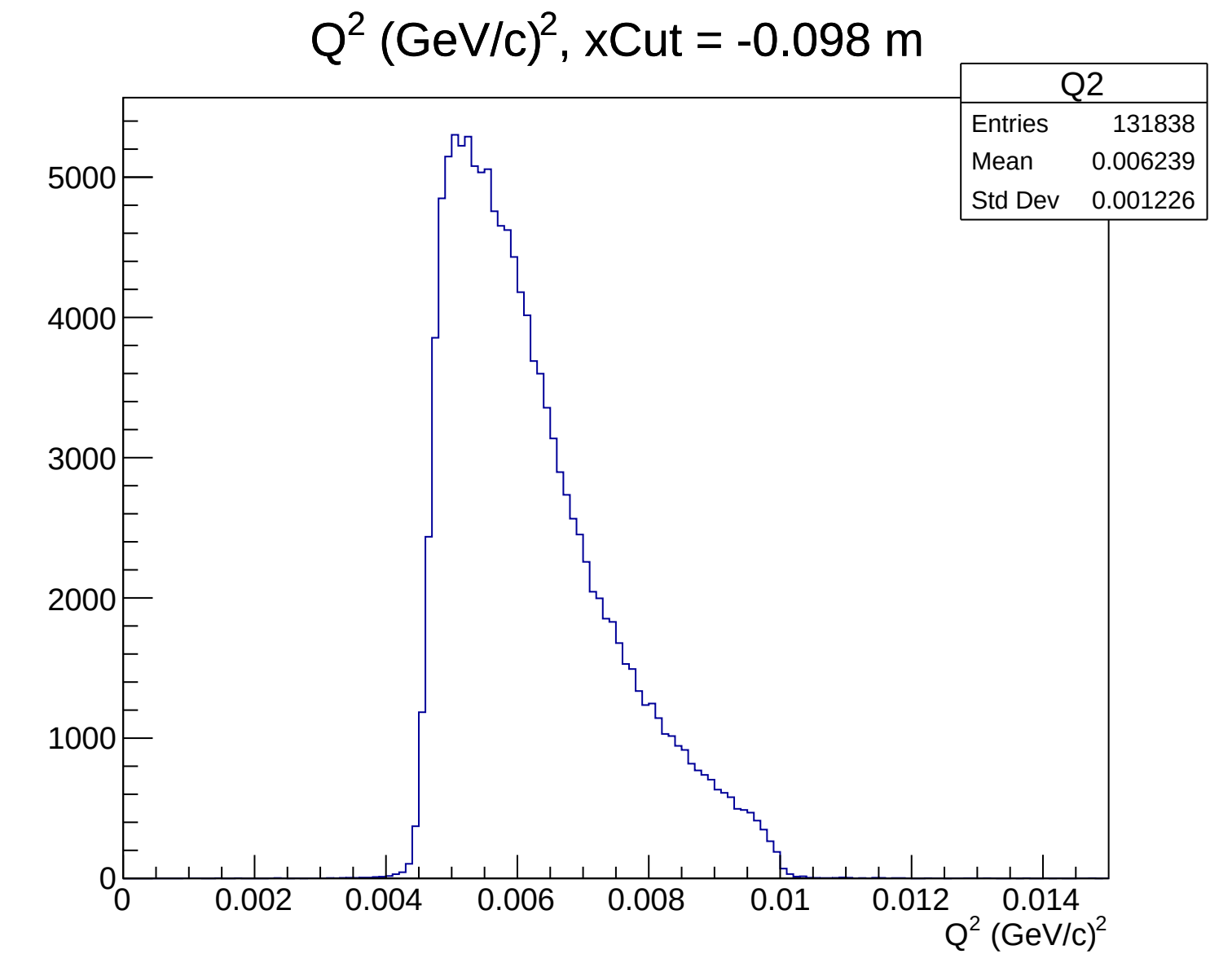

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

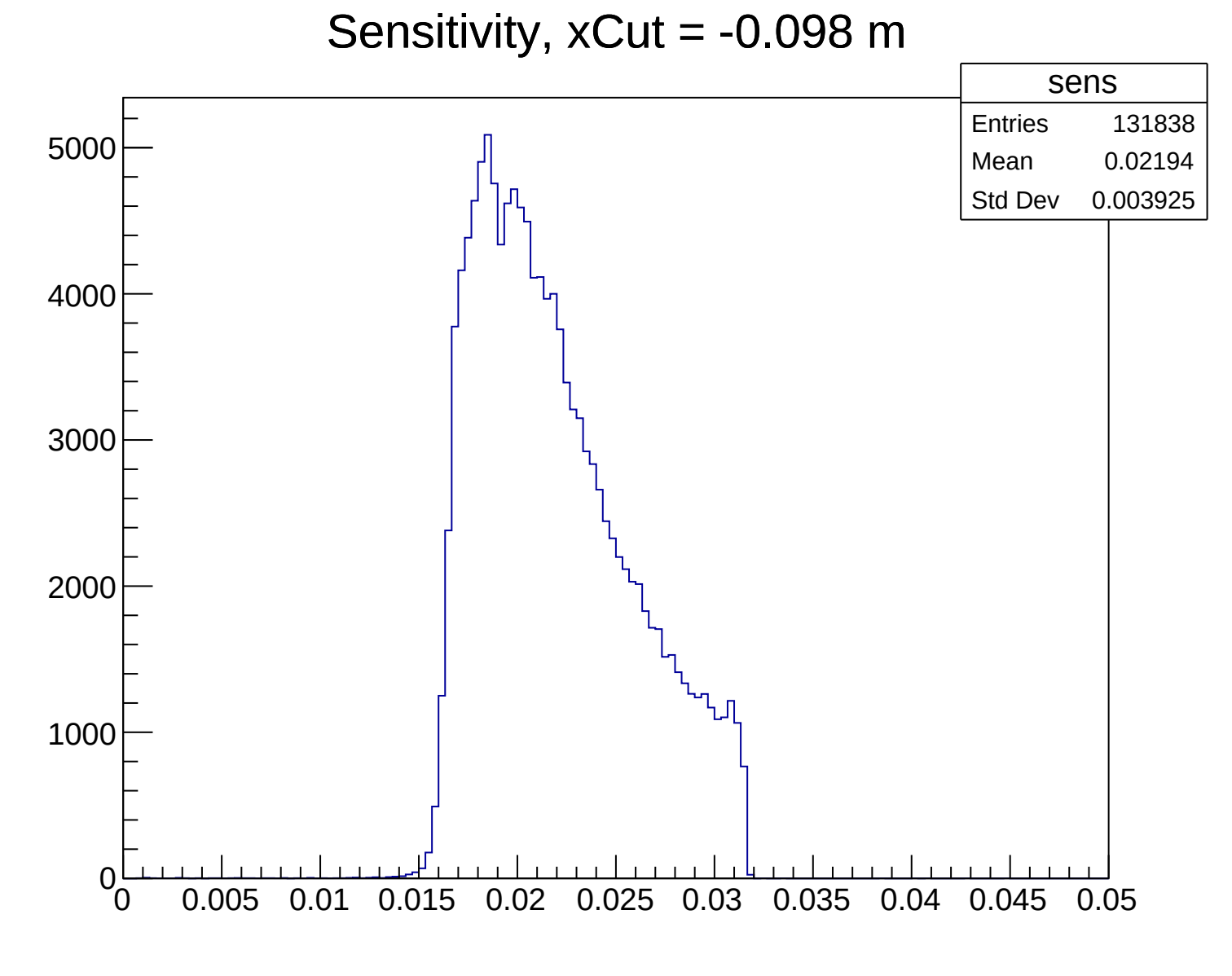

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

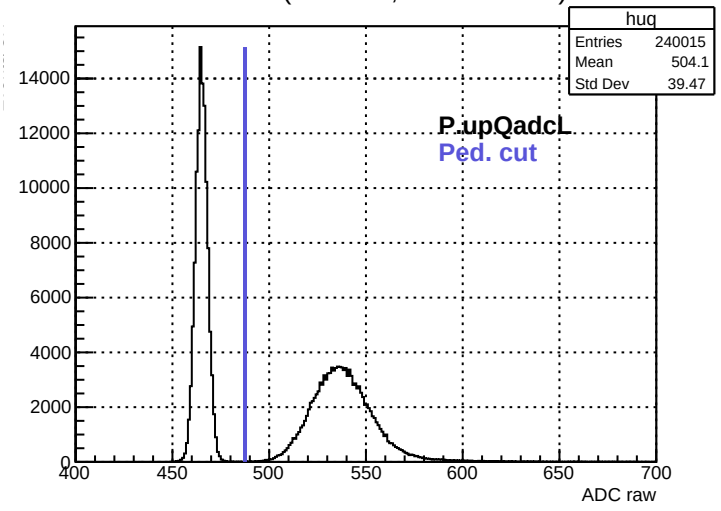

θlab (deg), xCut = -0.098 m
Theta
Entries 131838
Mean 4.754
Std Dev 0.4553
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

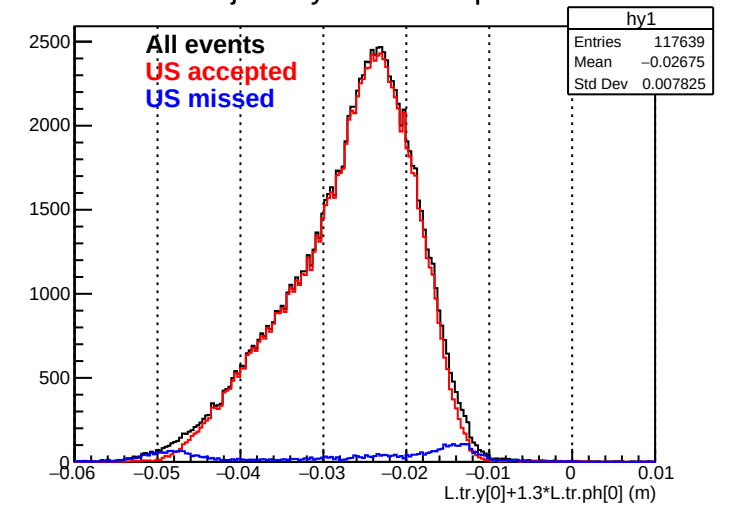

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 131838
Mean 0.5666
Std Dev 0.07453
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

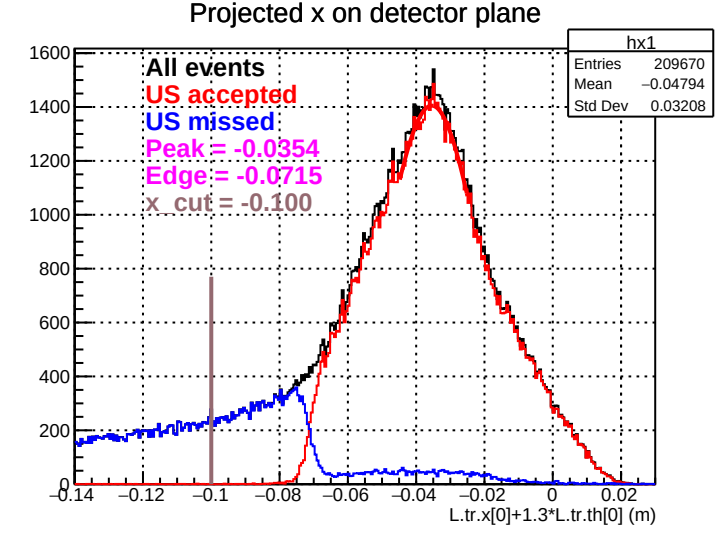

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 131838
Mean 0.5539
Std Dev 0.07072
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

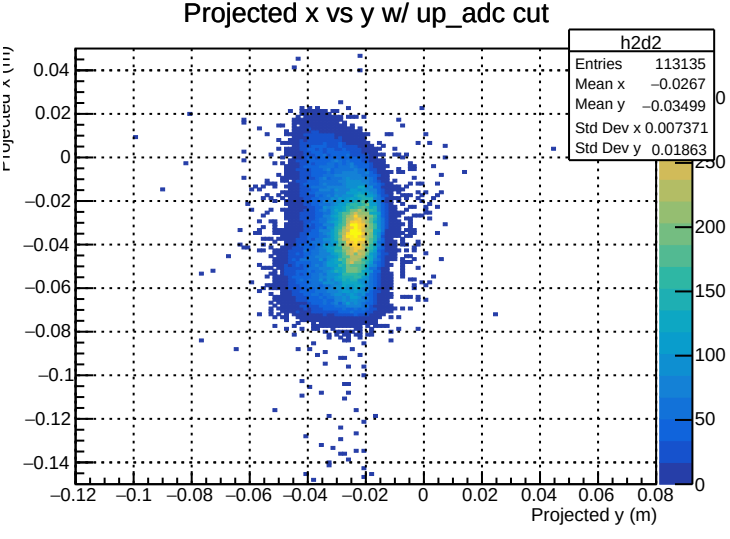

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 131838
Mean 0.006239
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

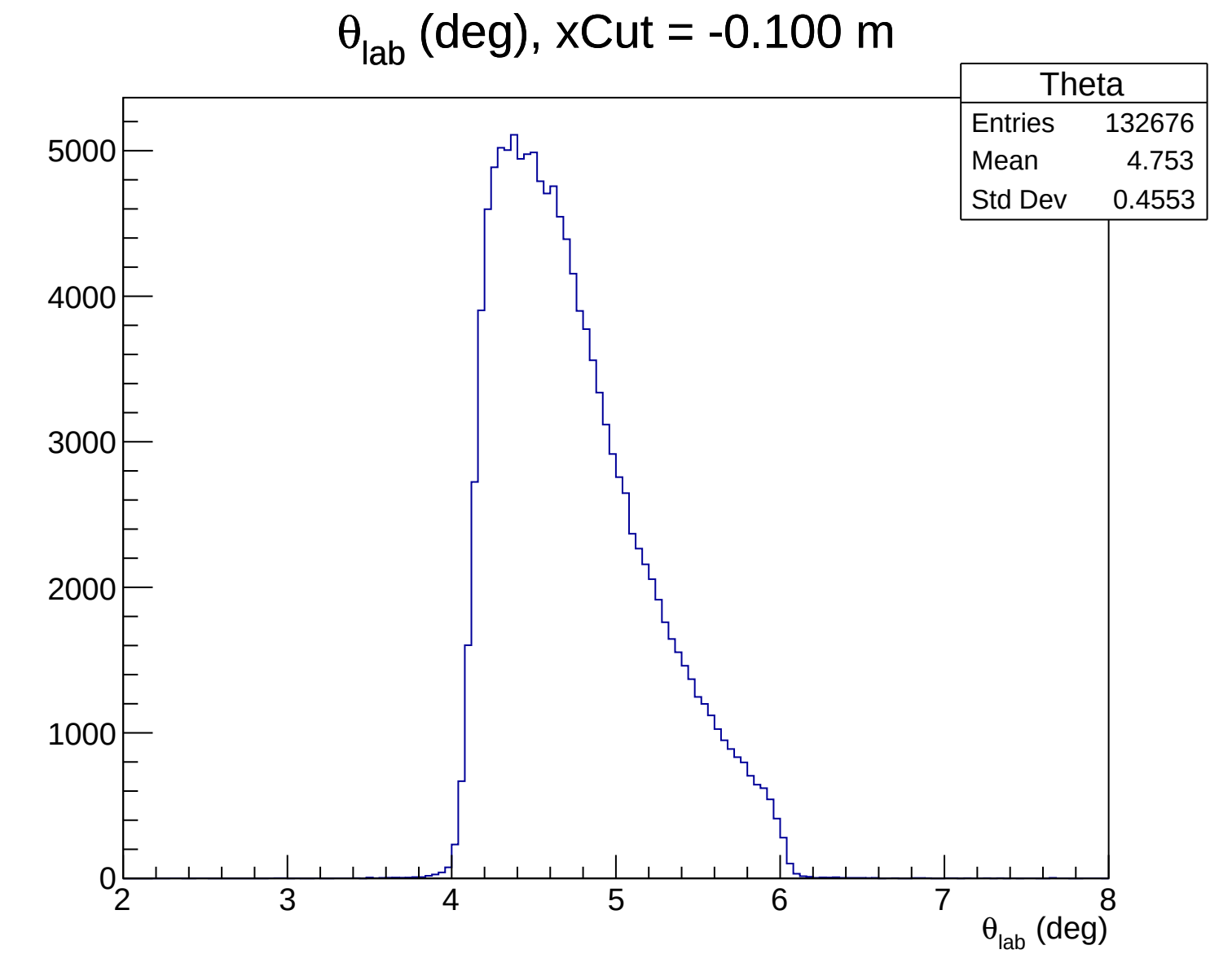

Sensitivity, xCut = -0.098 m
sens
Entries 131838
Mean 0.02194
Std Dev 0.003925
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

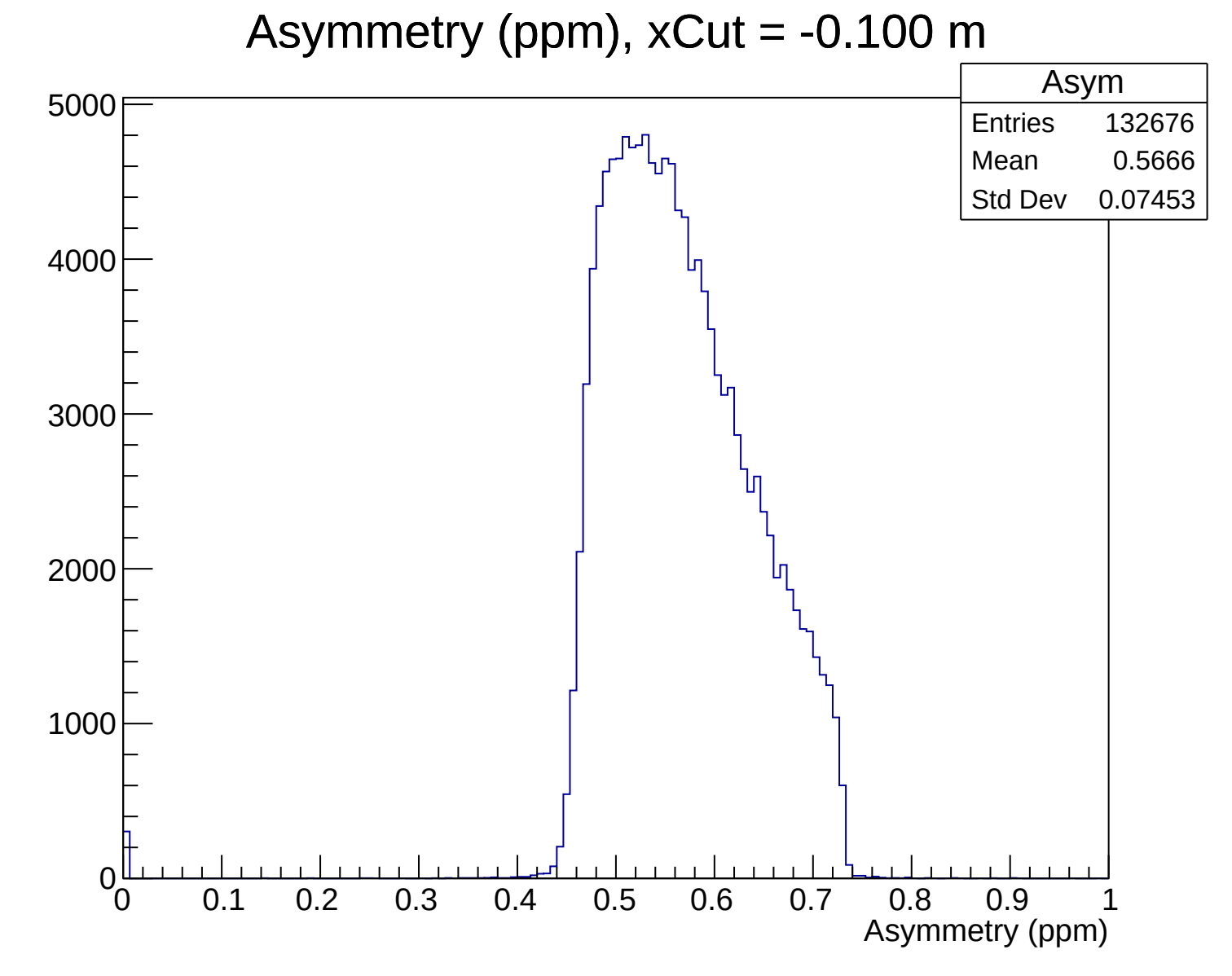

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

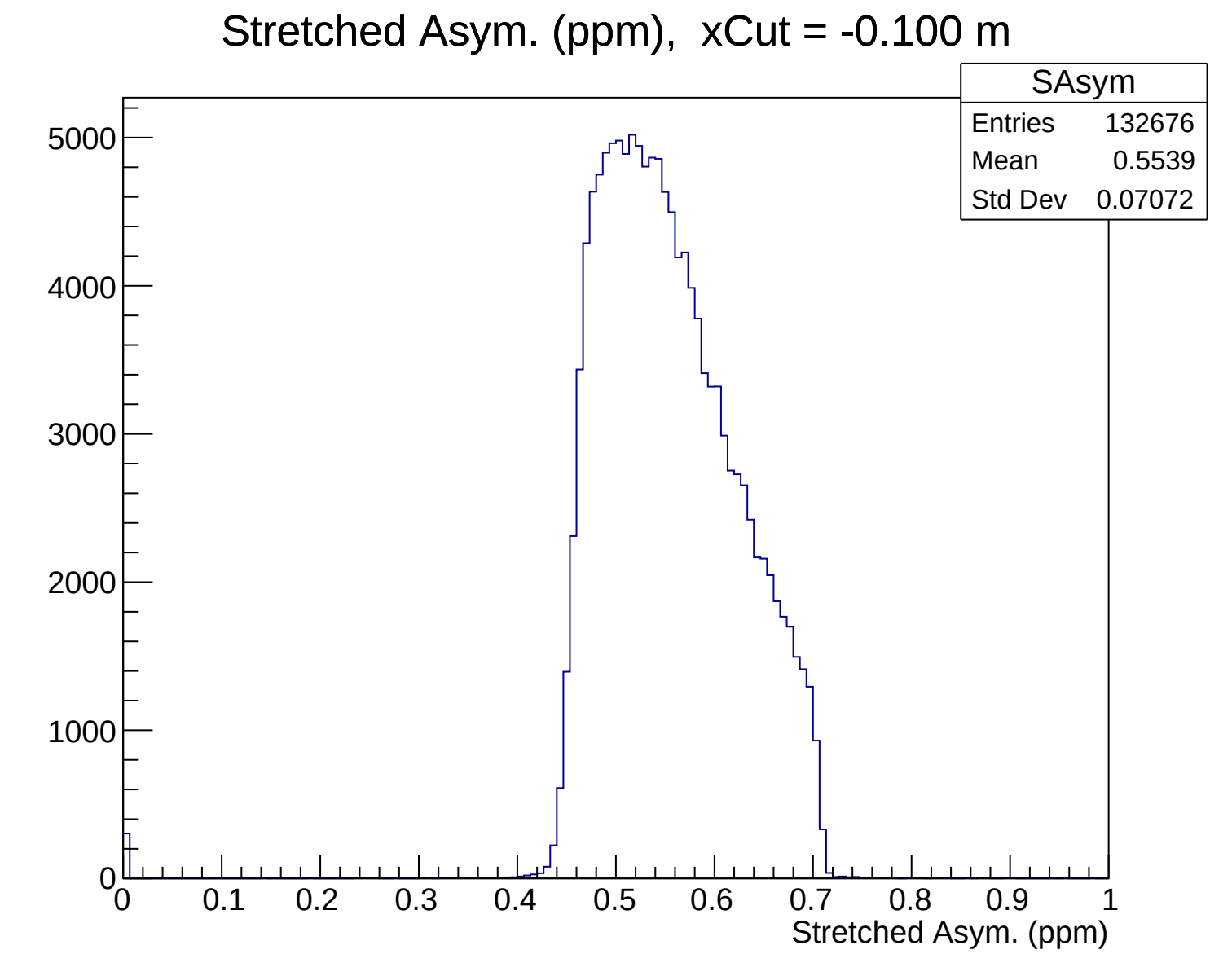

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

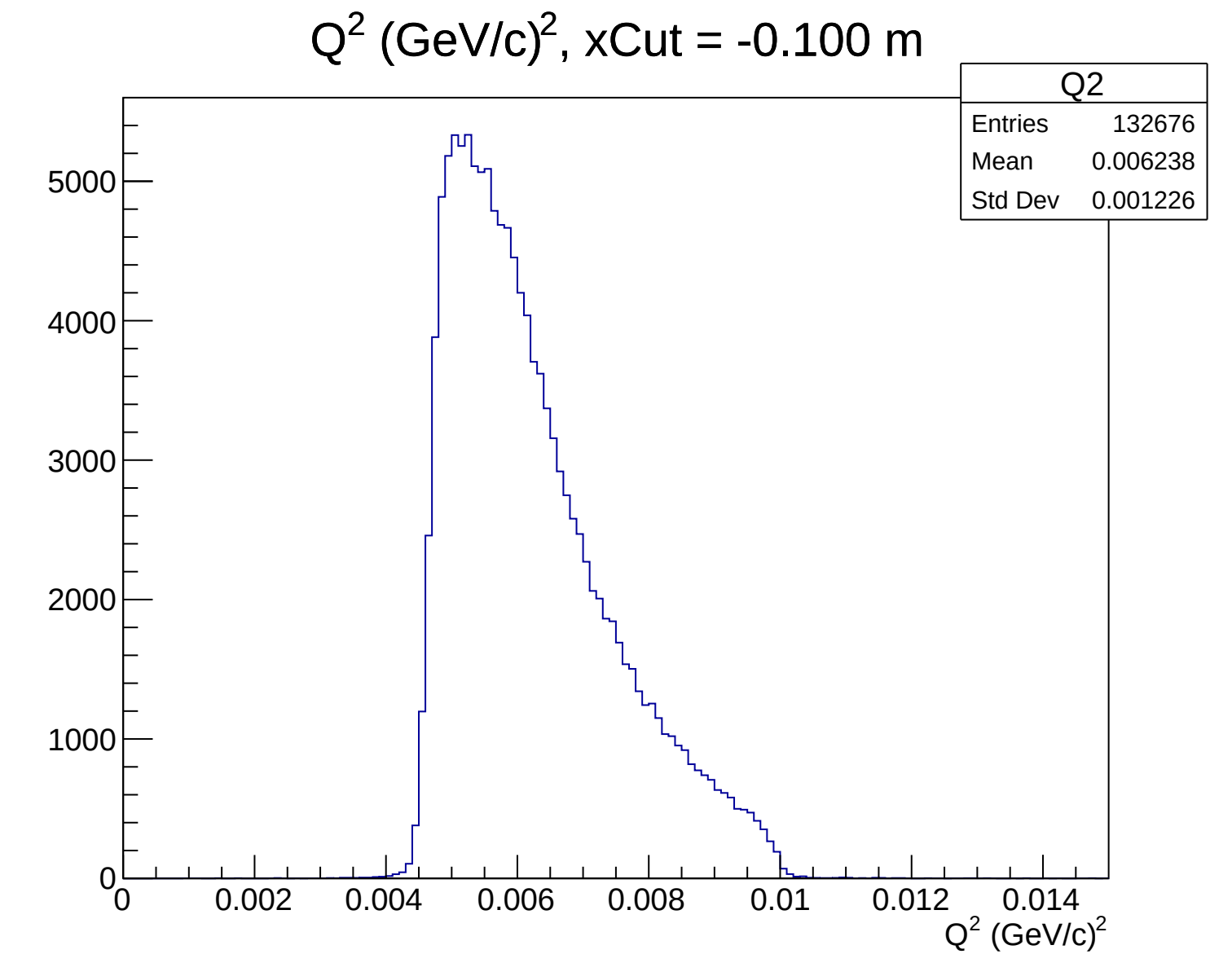

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

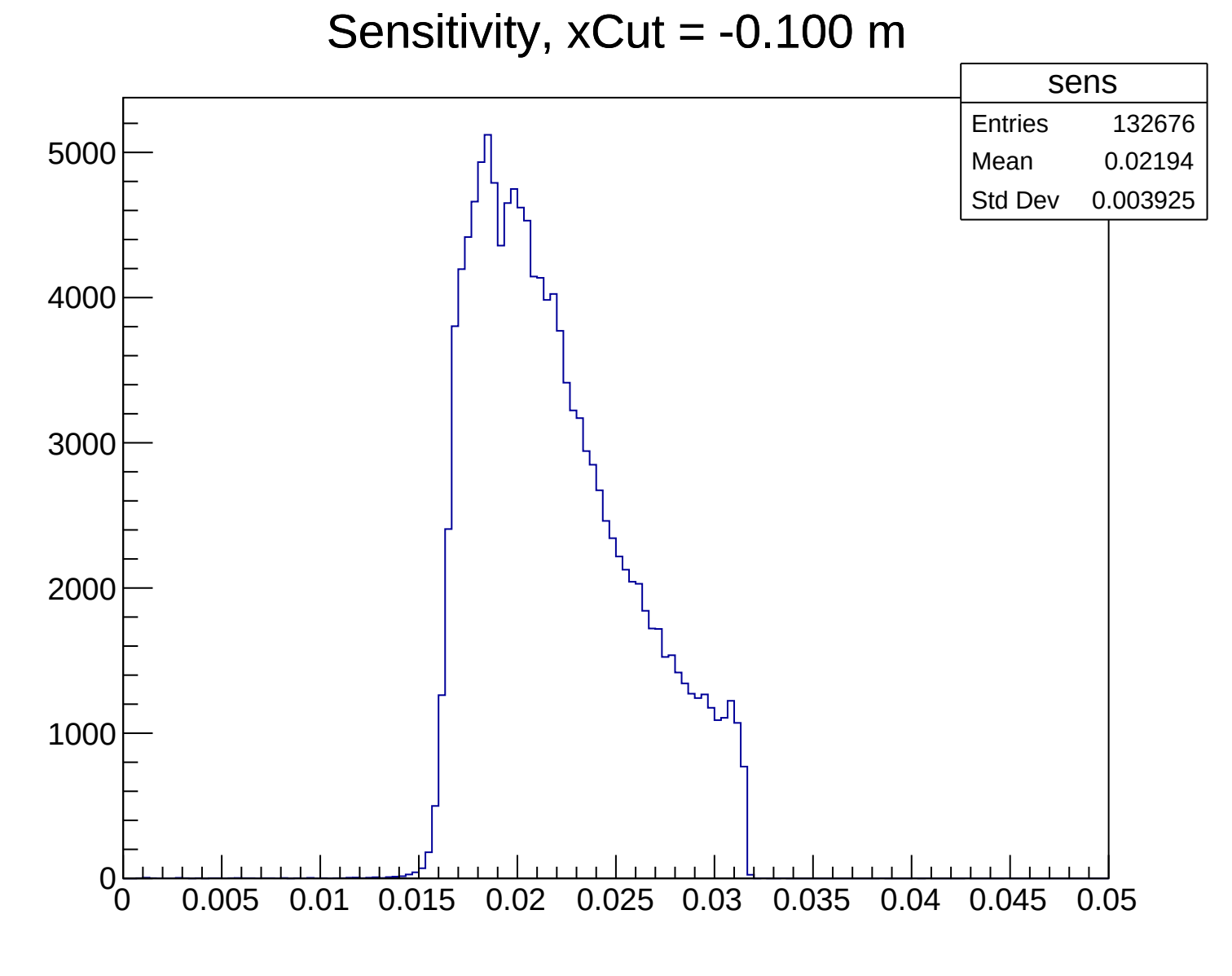

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

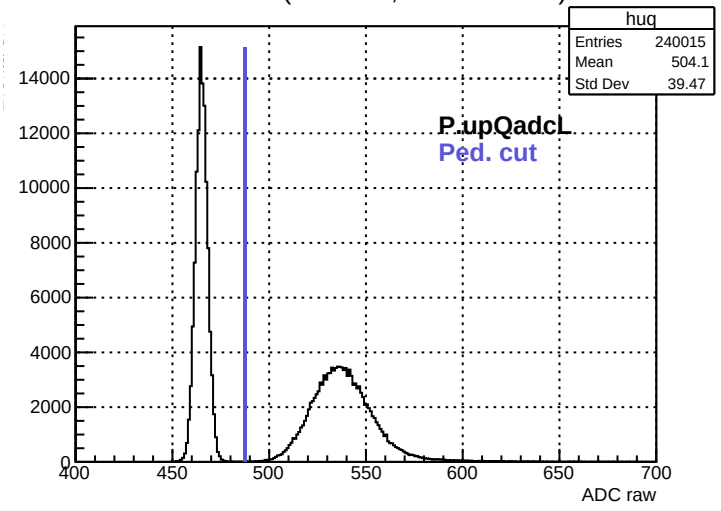

θlab (deg), xCut = -0.100 m
Theta
Entries 132676
Mean 4.753
Std Dev 0.4553
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

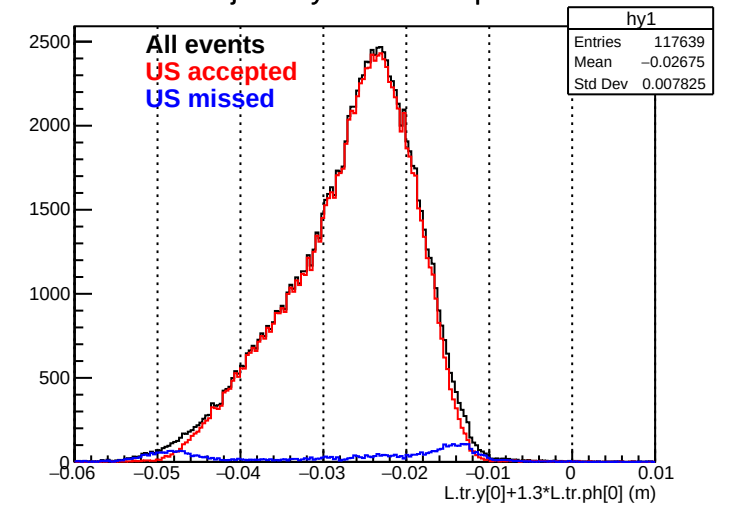

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 132676
Mean 0.5666
Std Dev 0.07453
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

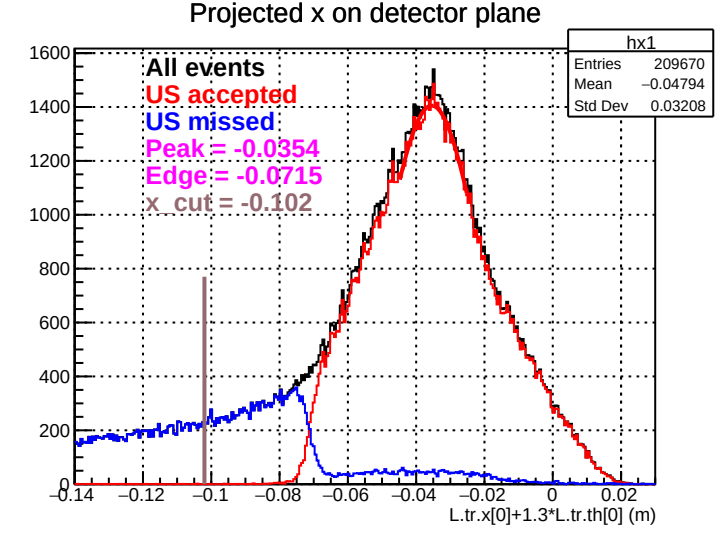

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 132676
Mean 0.5539
Std Dev 0.07072
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

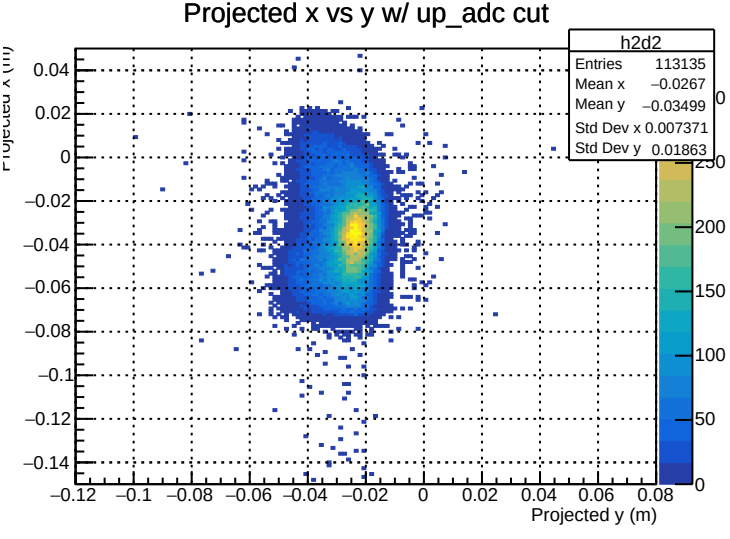

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 132676
Mean 0.006238
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

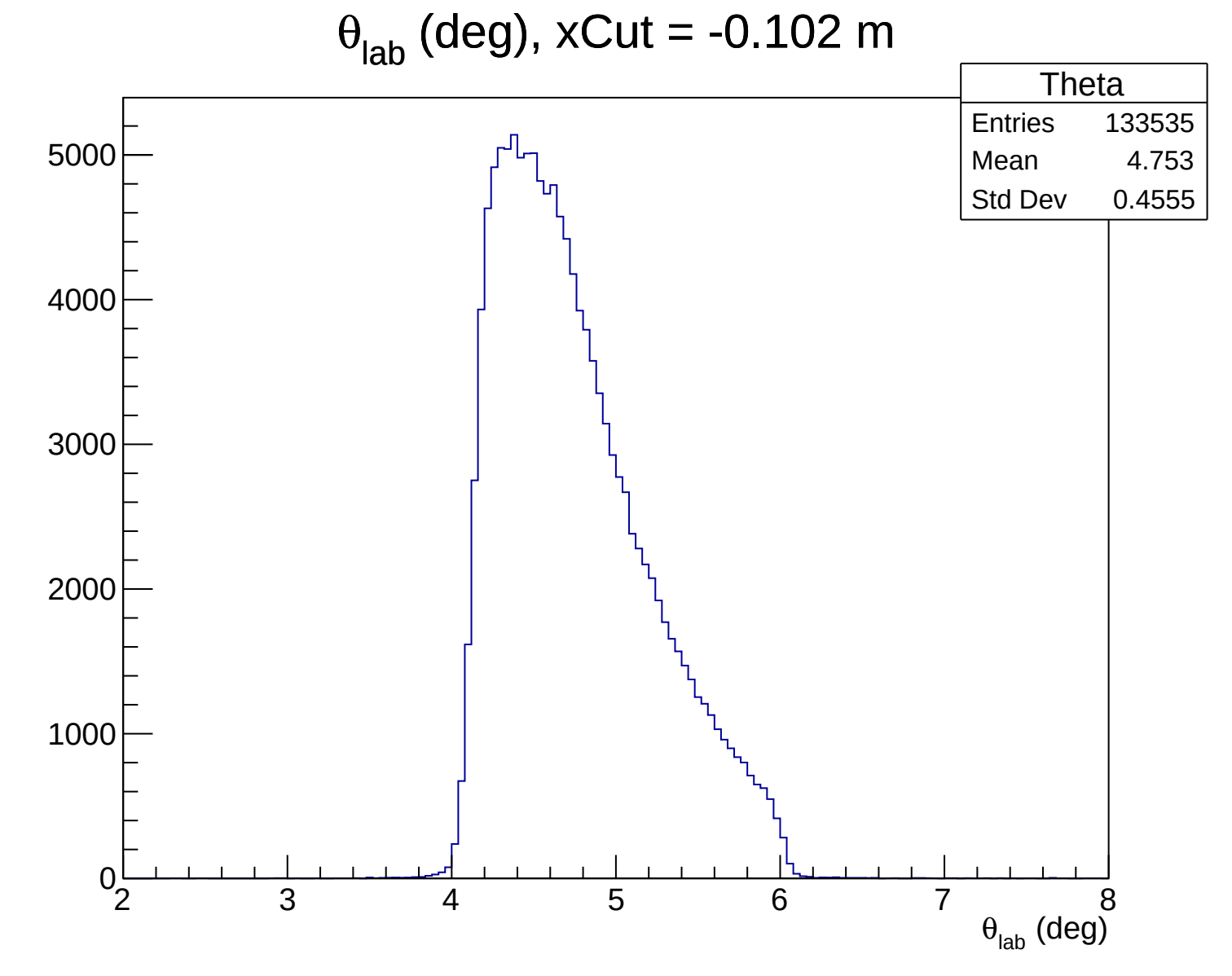

Sensitivity, xCut = -0.100 m
sens
Entries 132676
Mean 0.02194
Std Dev 0.003925
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

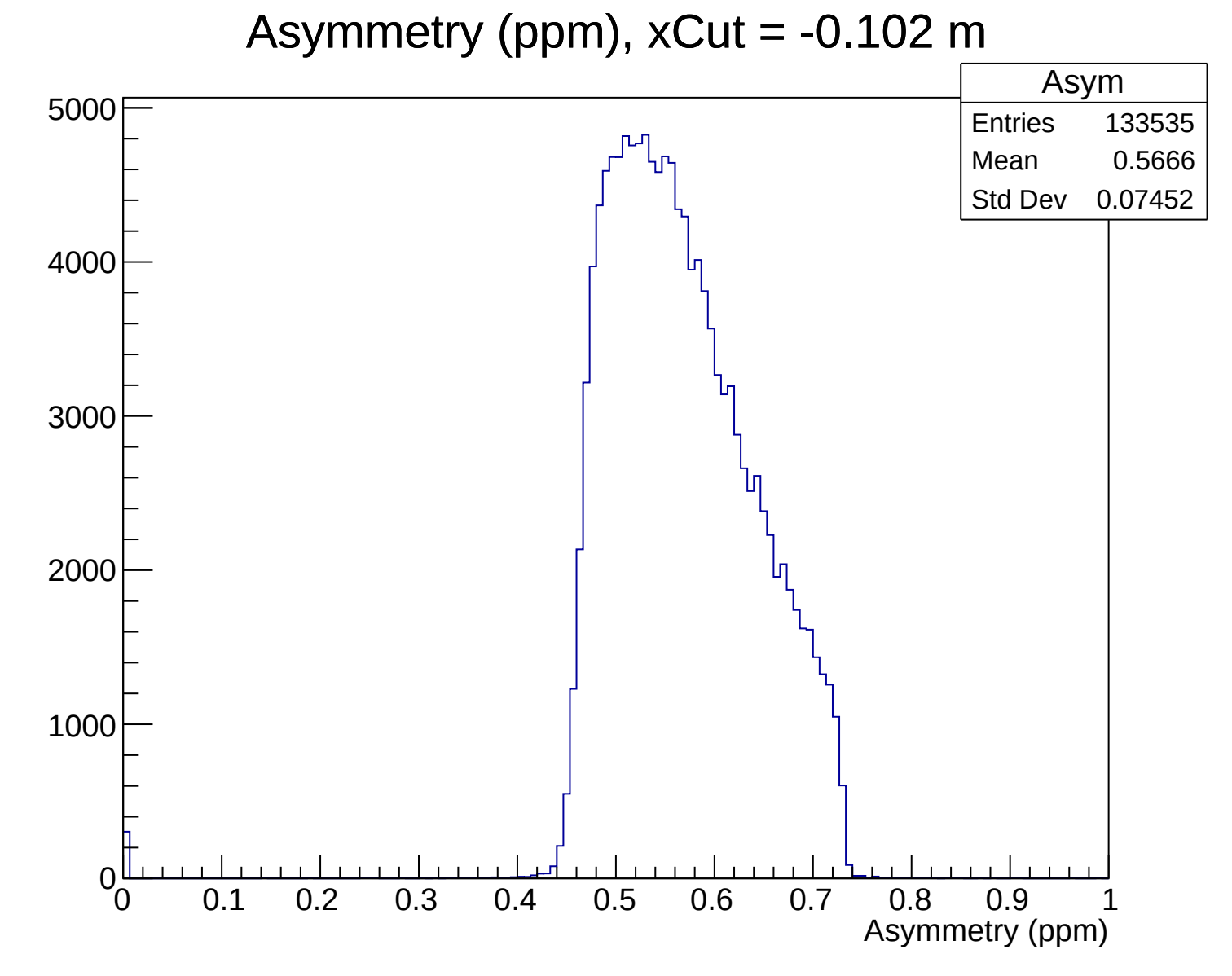

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

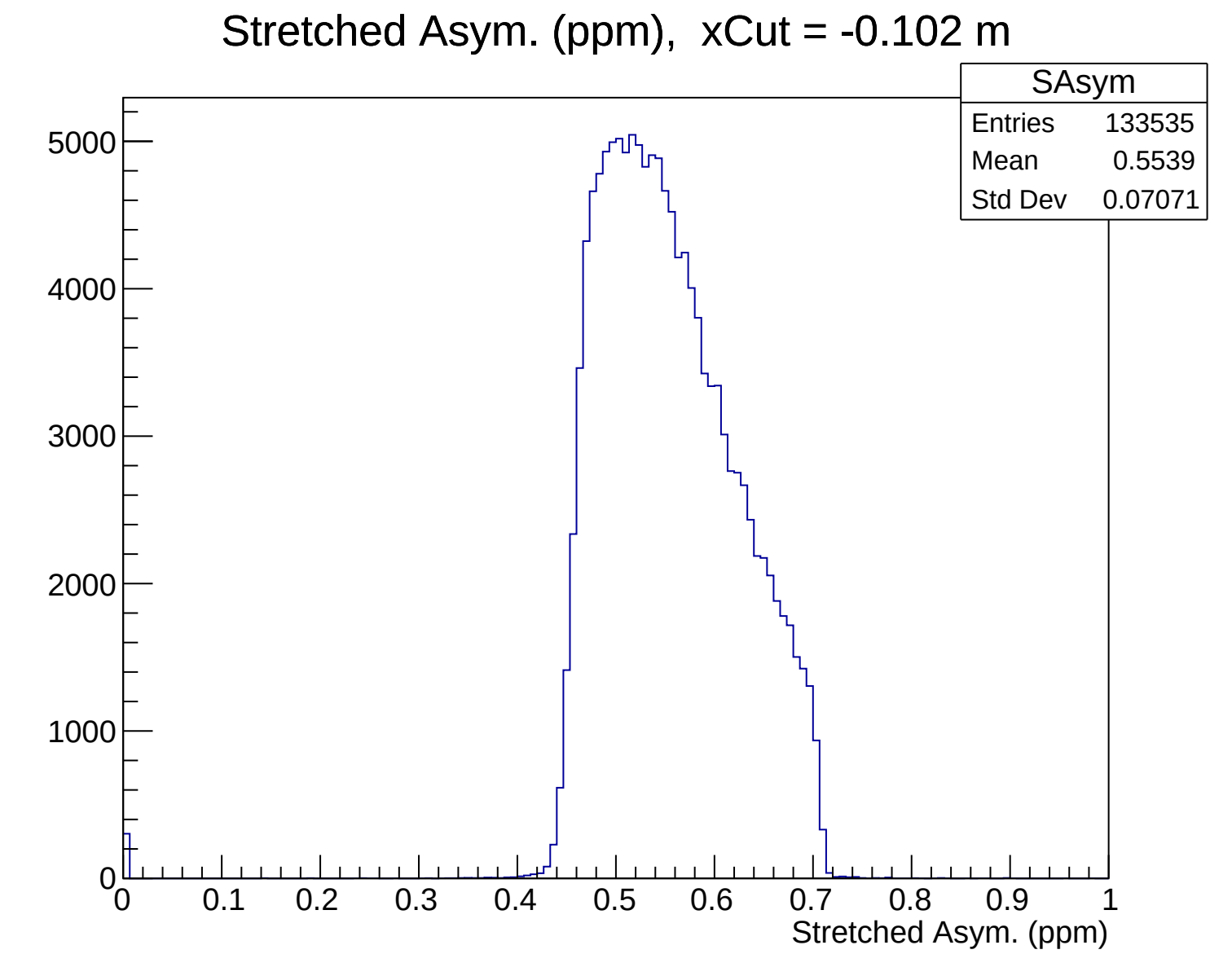

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

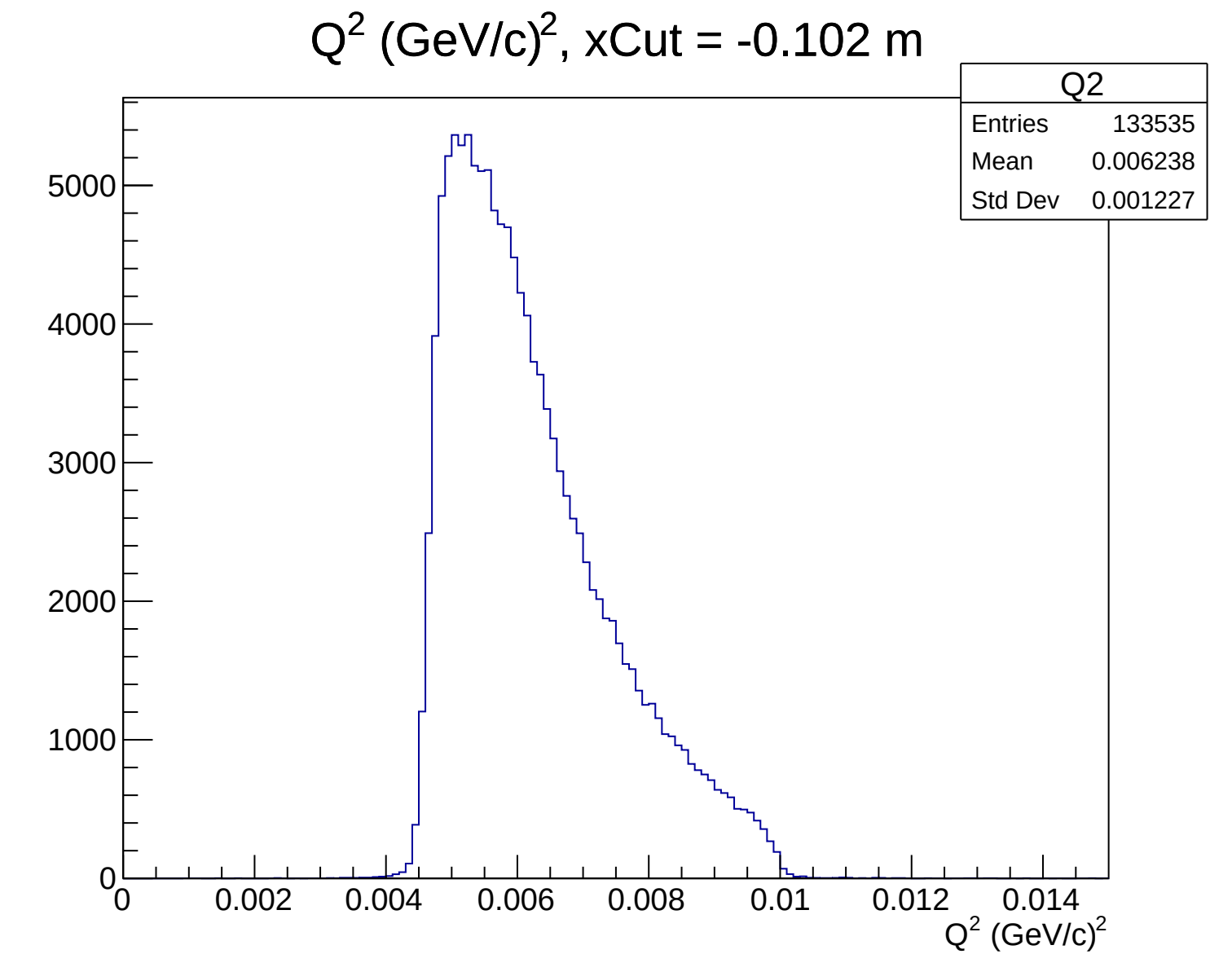

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.102
L.tr.x[0]+1.3*L.tr.th[0] (m)

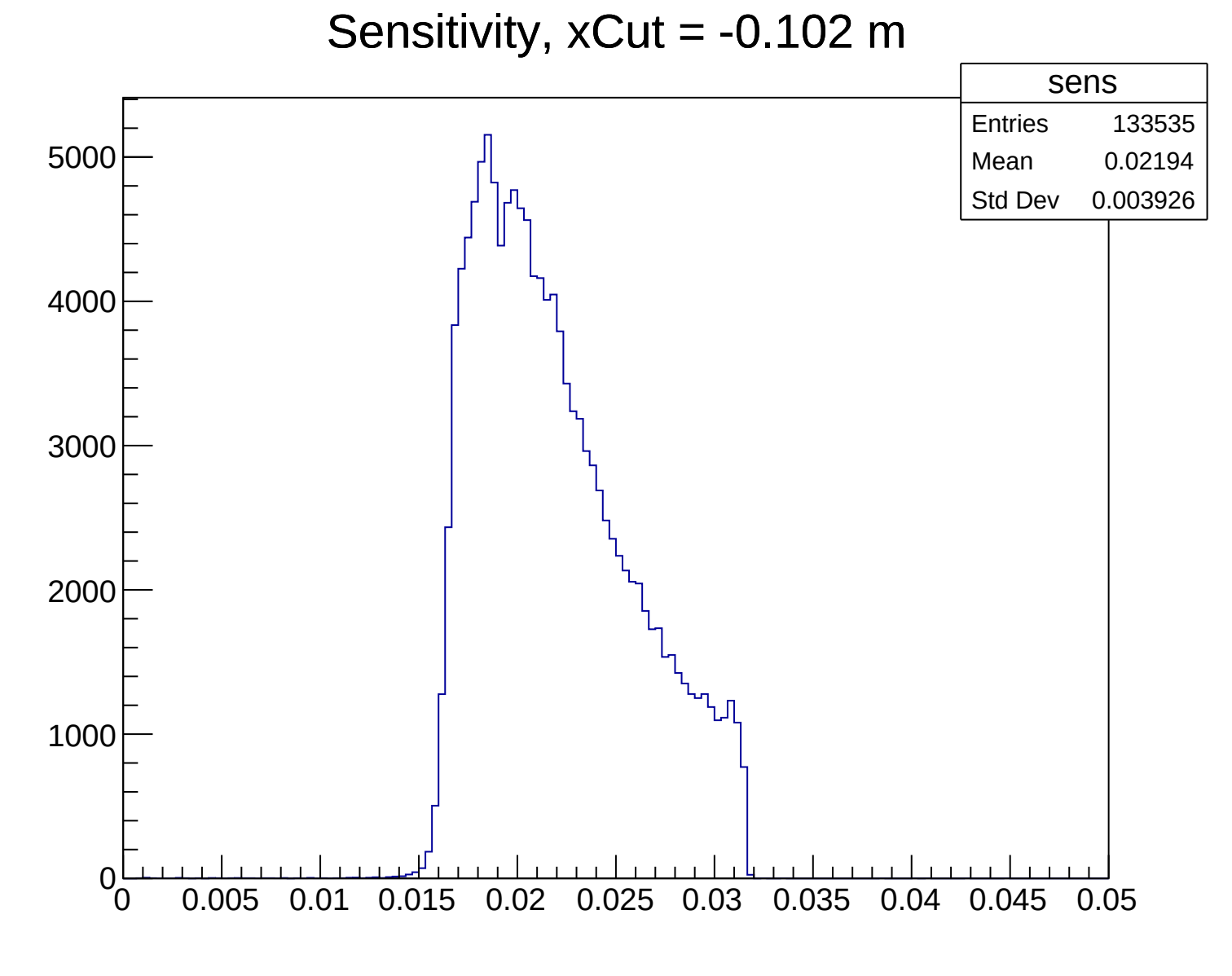

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

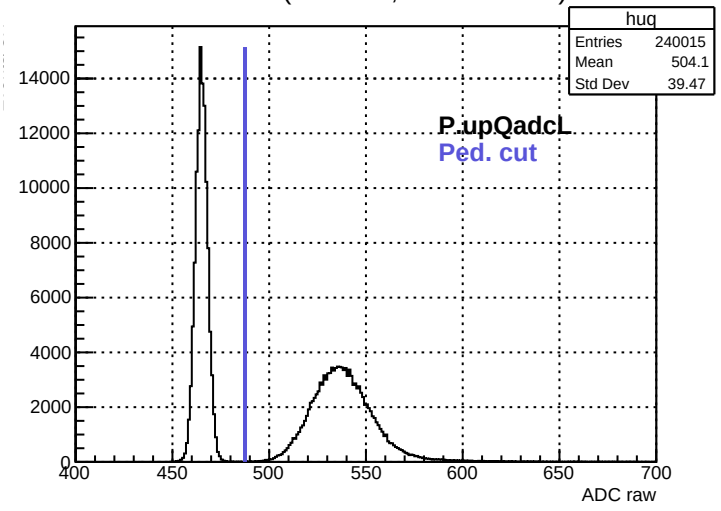

θlab (deg), xCut = -0.102 m
Theta
Entries 133535
Mean 4.753
Std Dev 0.4555
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

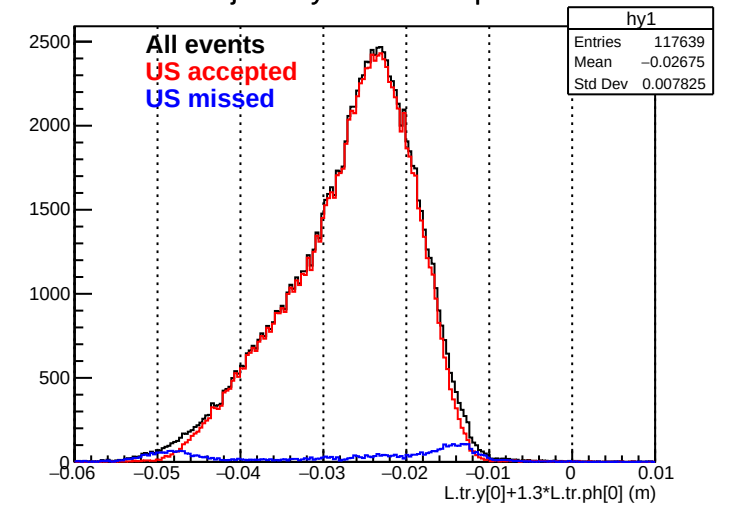

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 133535
Mean 0.5666
Std Dev 0.07452
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

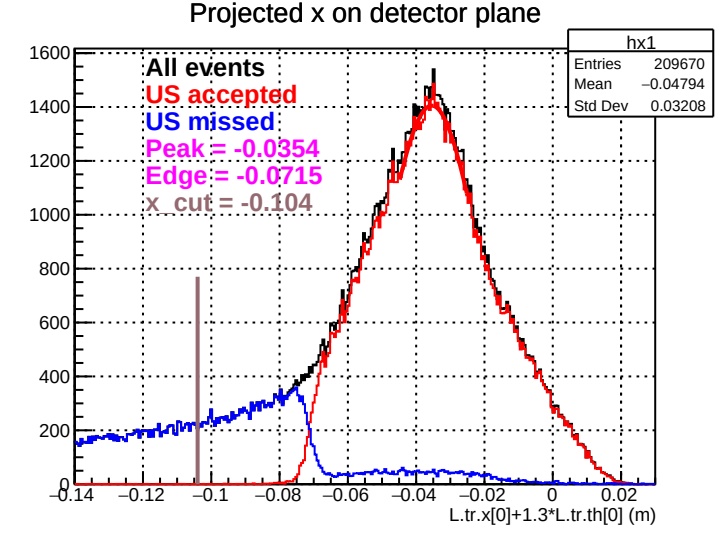

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 133535
Mean 0.5539
Std Dev 0.07071
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

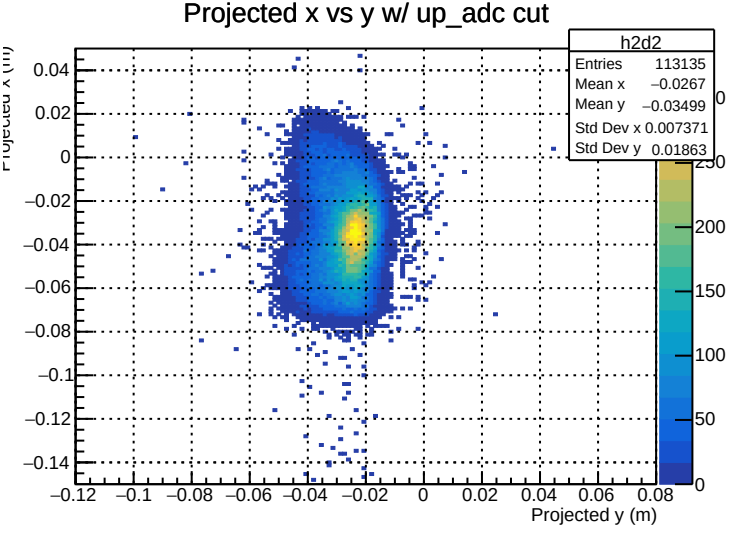

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 133535
Mean 0.006238
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

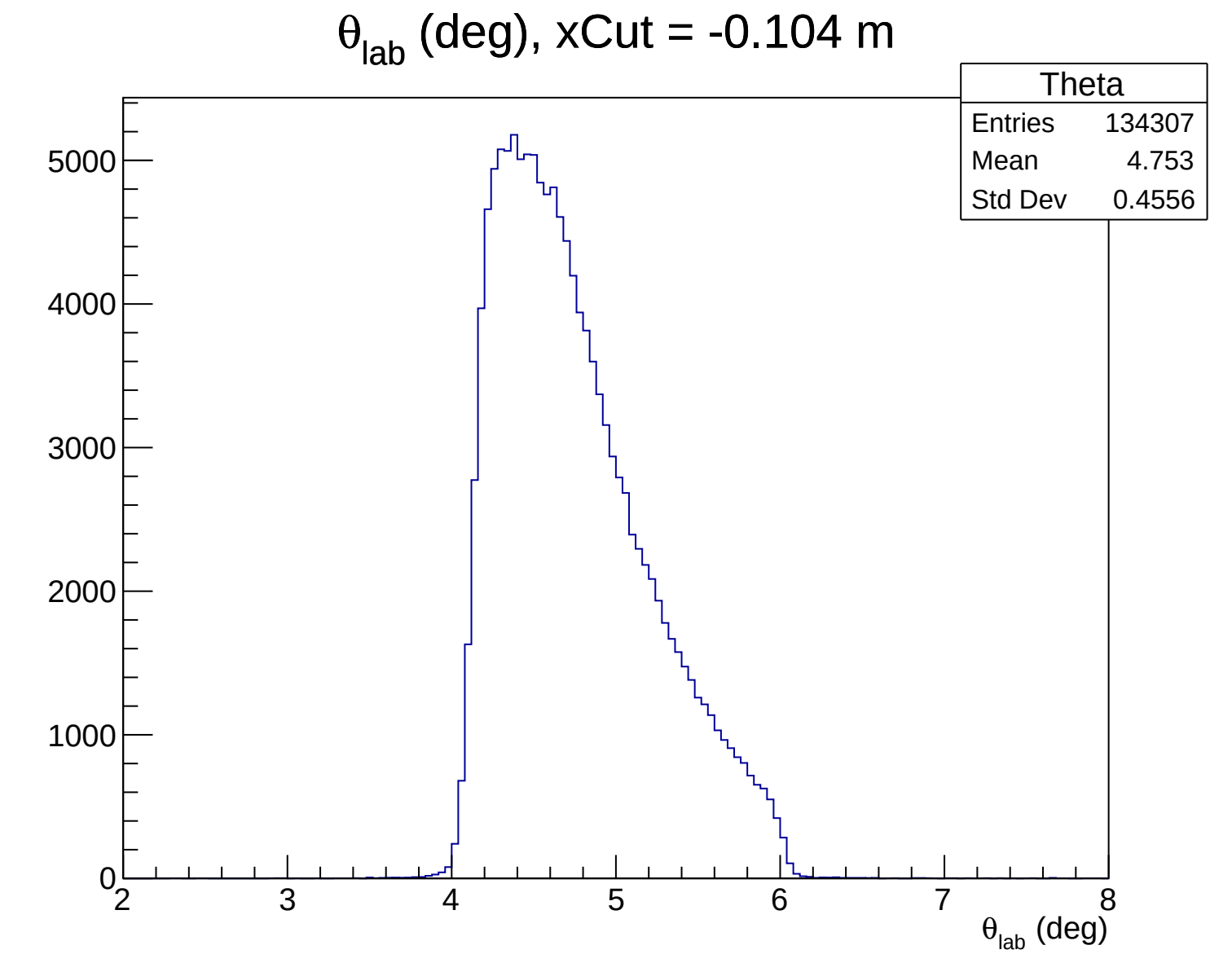

Sensitivity, xCut = -0.102 m
sens
Entries 133535
Mean 0.02194
Std Dev 0.003926
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

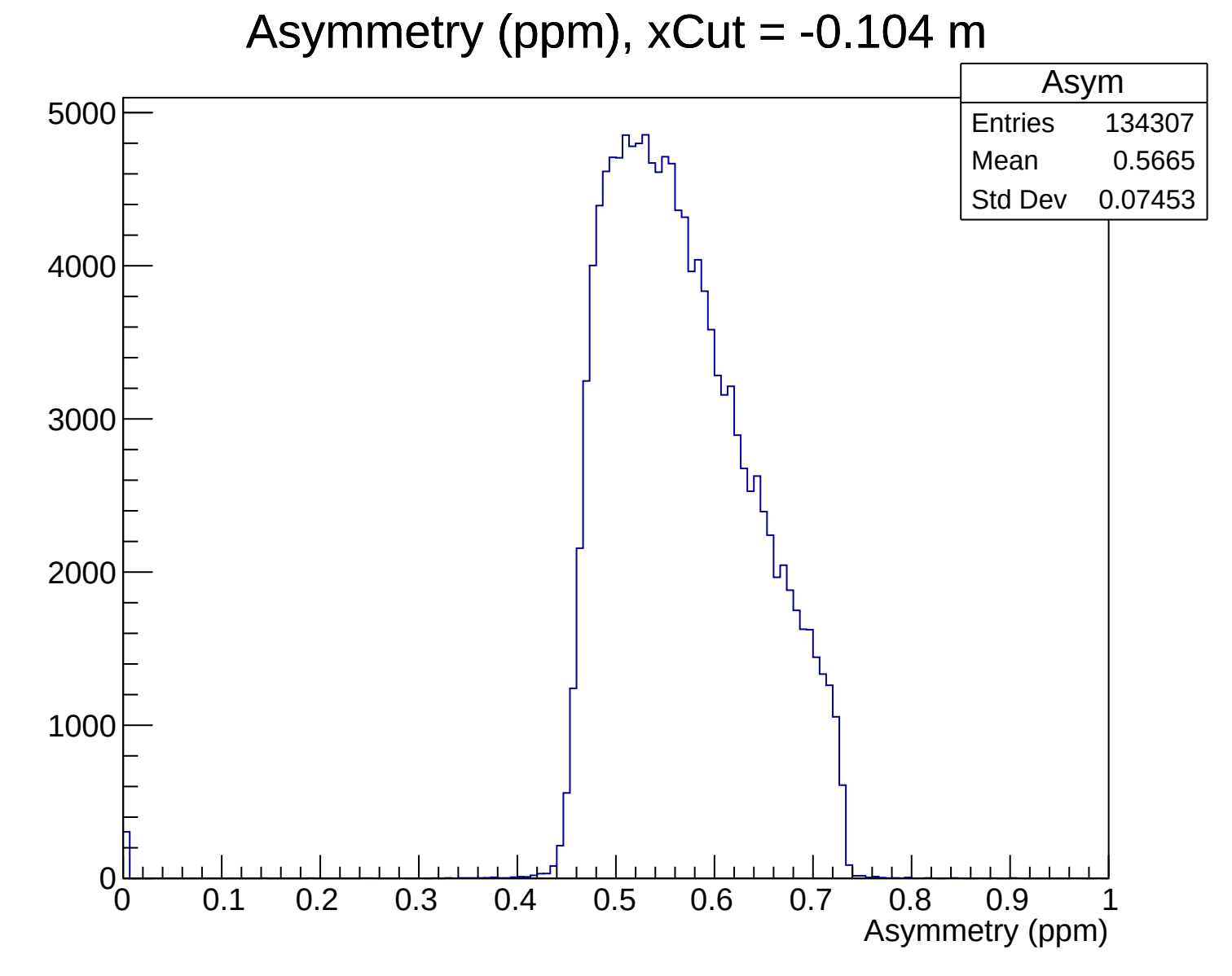

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

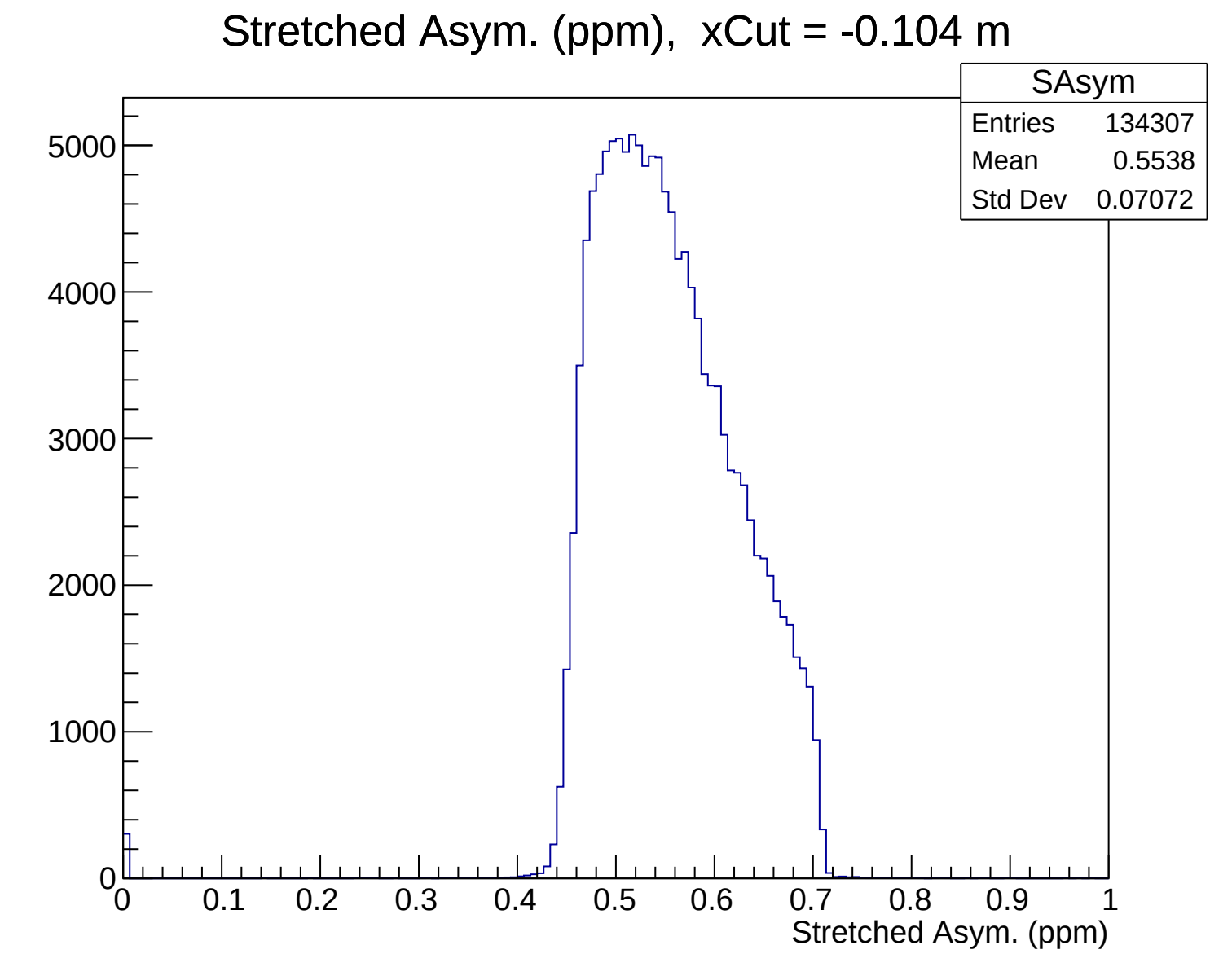

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

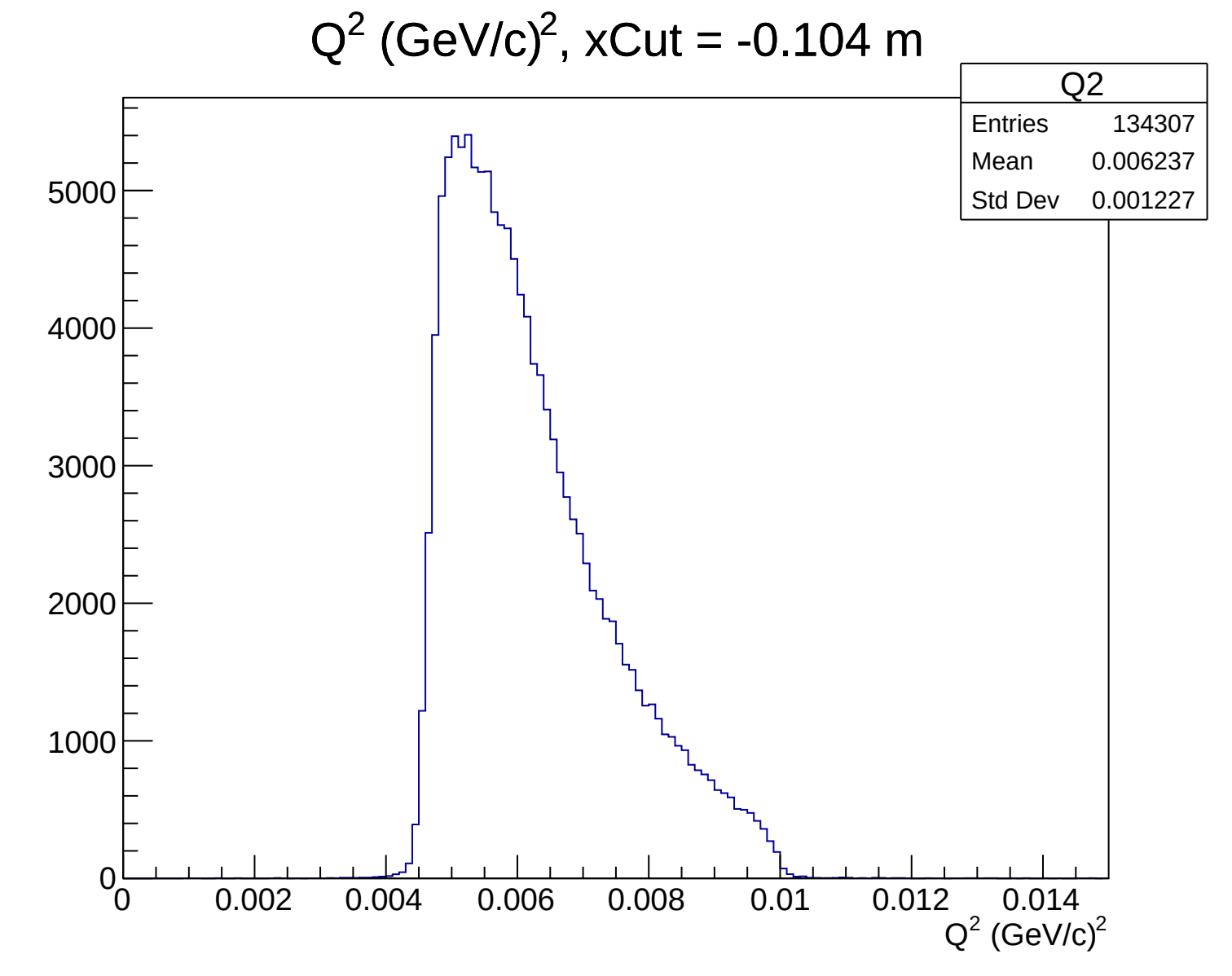

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

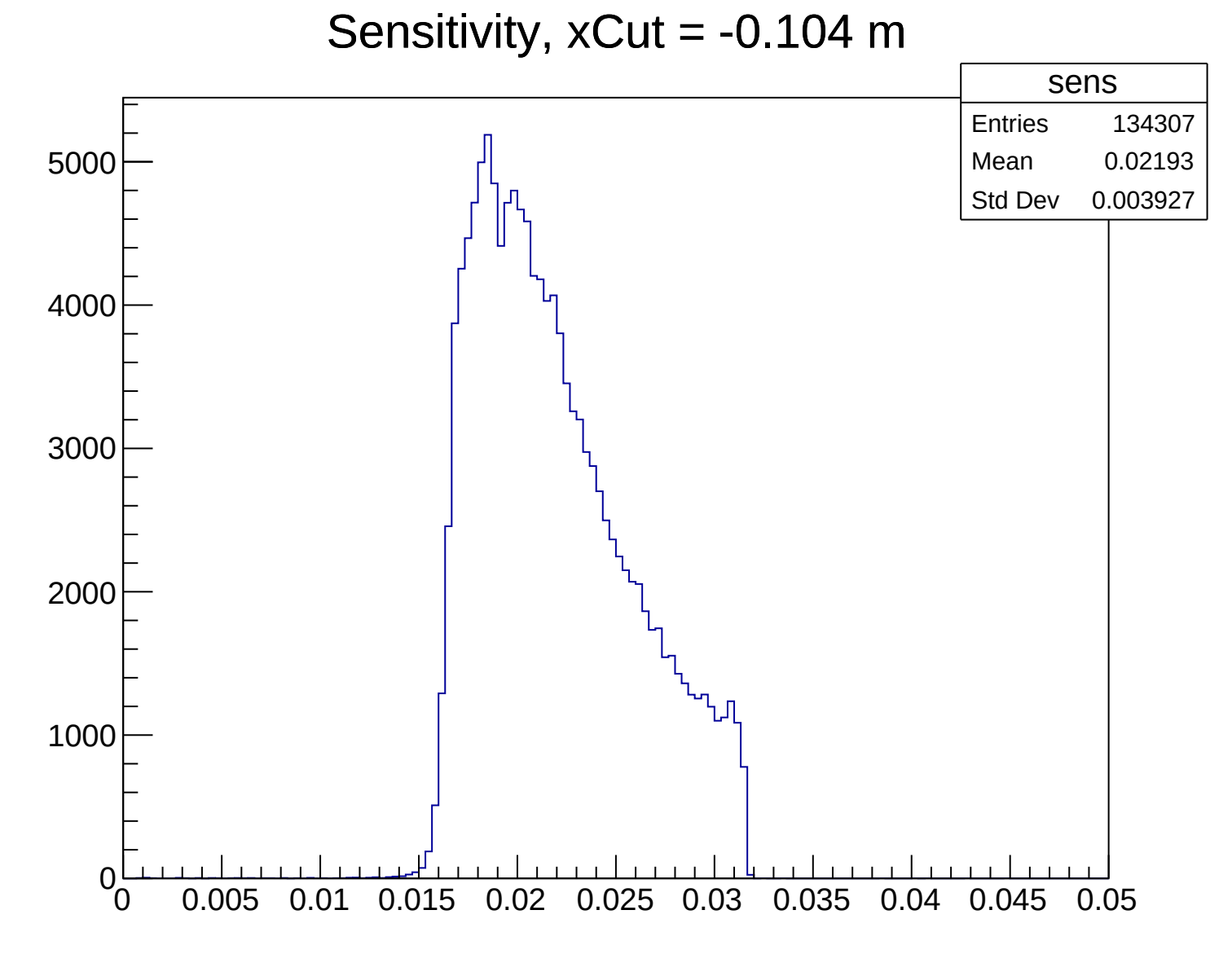

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

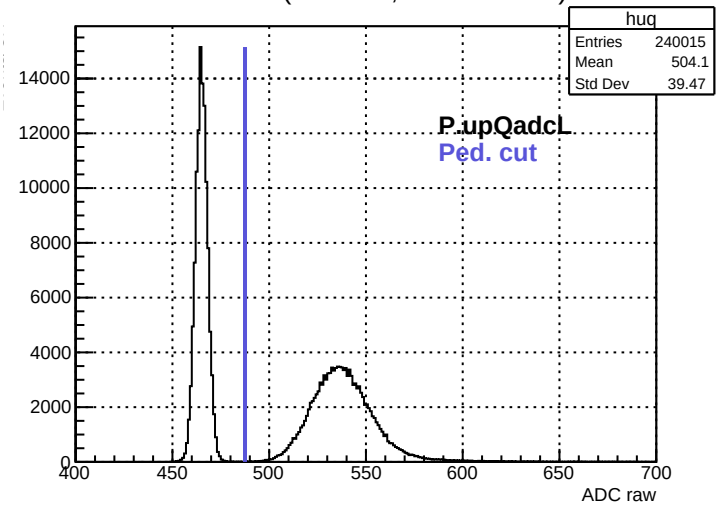

θlab (deg), xCut = -0.104 m
Theta
Entries 134307
Mean 4.753
Std Dev 0.4556
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

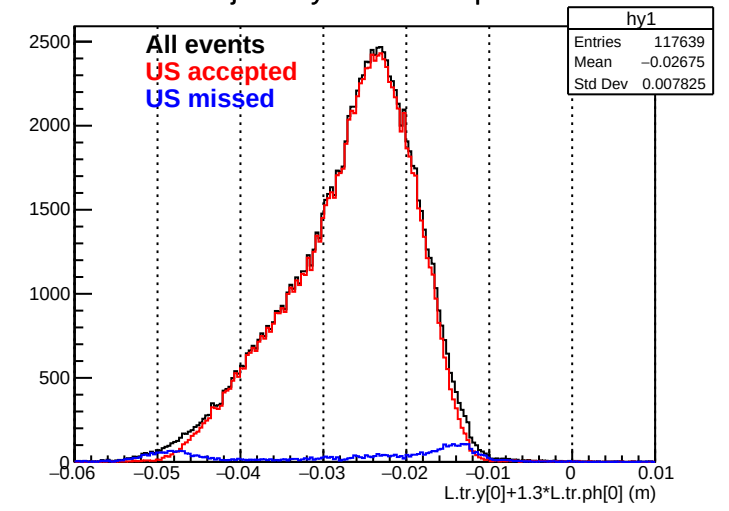

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 134307
Mean 0.5665
Std Dev 0.07453
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

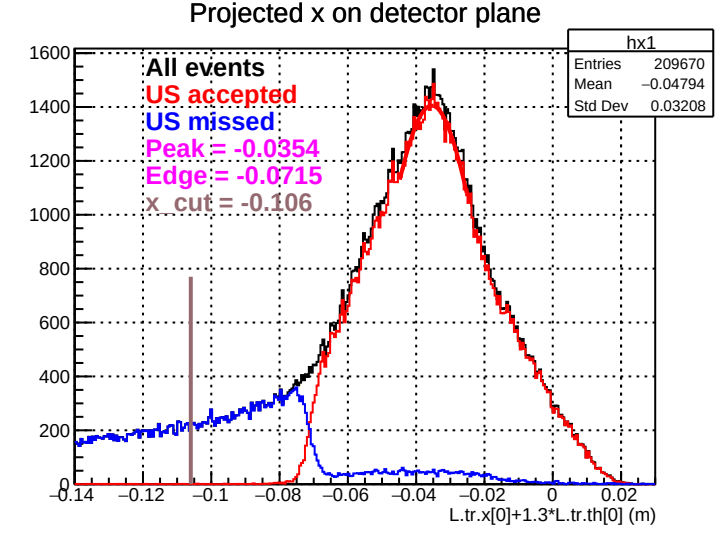

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 134307
Mean 0.5538
Std Dev 0.07072
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

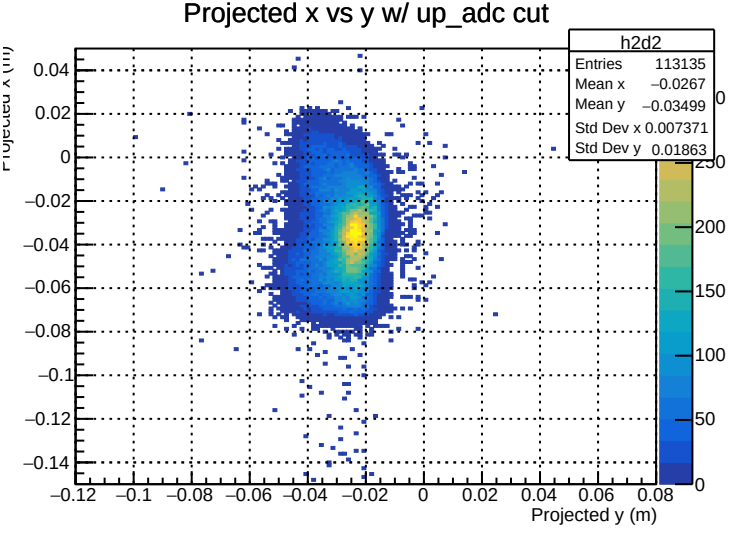

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 134307
Mean 0.006237
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

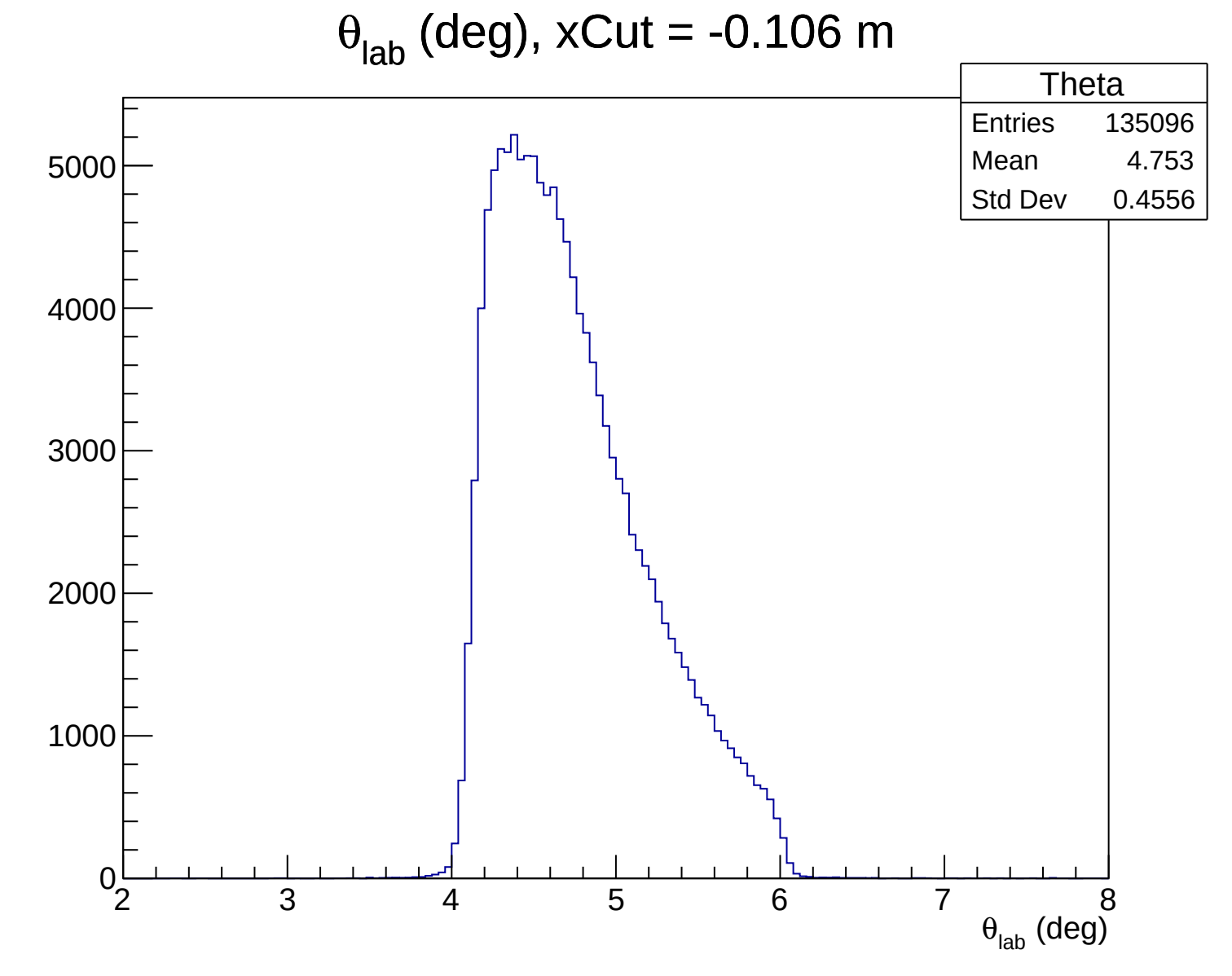

Sensitivity, xCut = -0.104 m
sens
Entries 134307
Mean 0.02193
Std Dev 0.003927
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

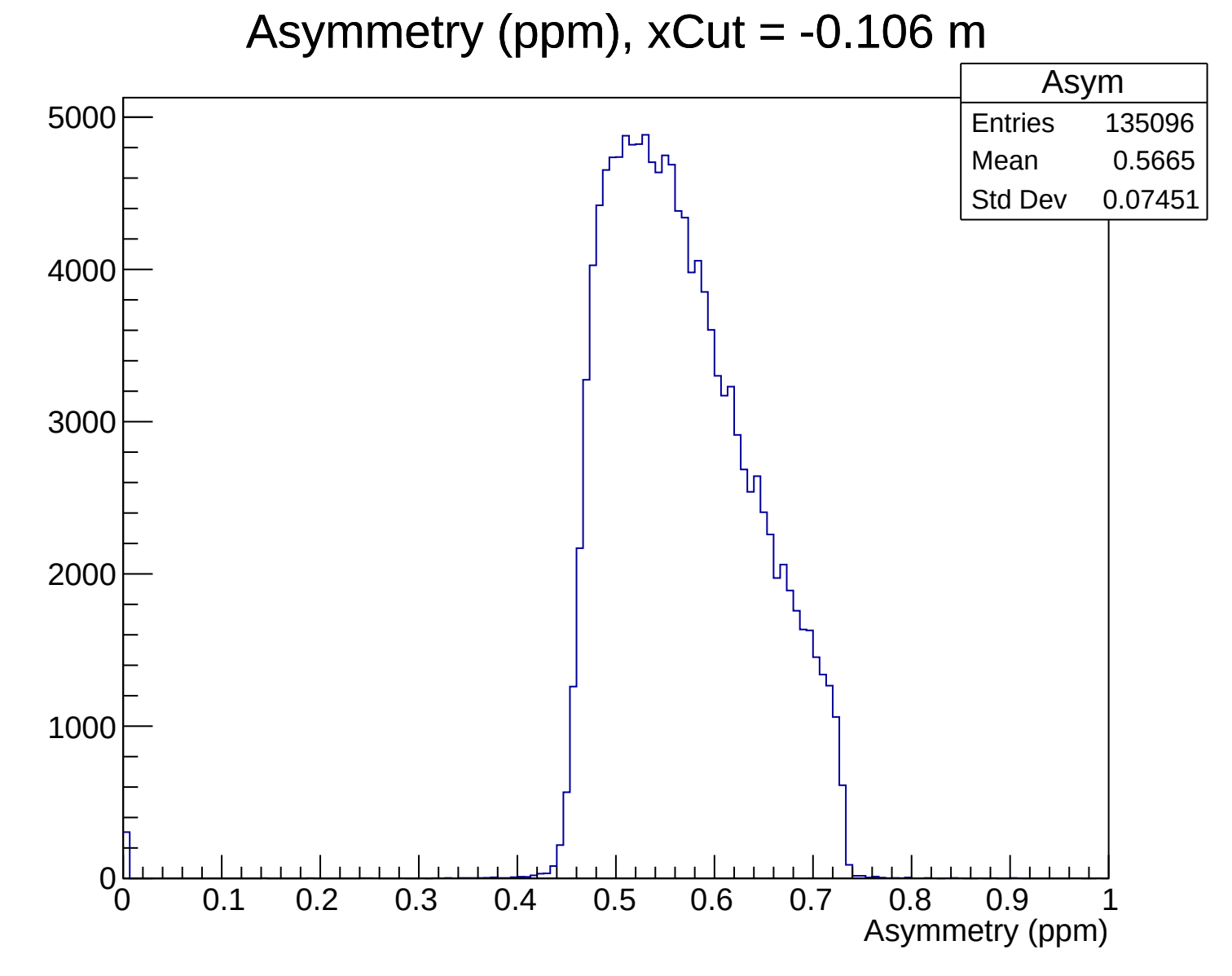

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

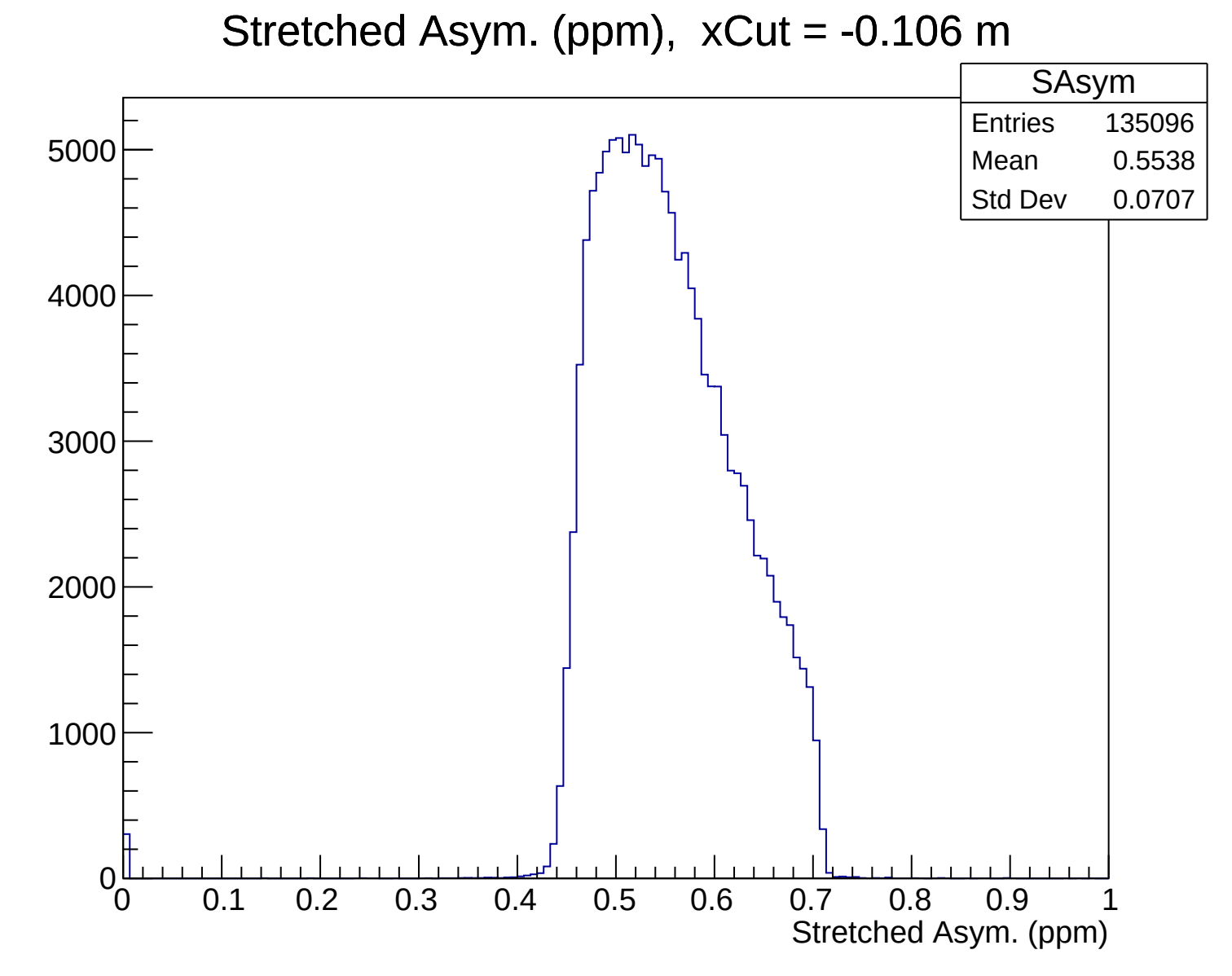

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

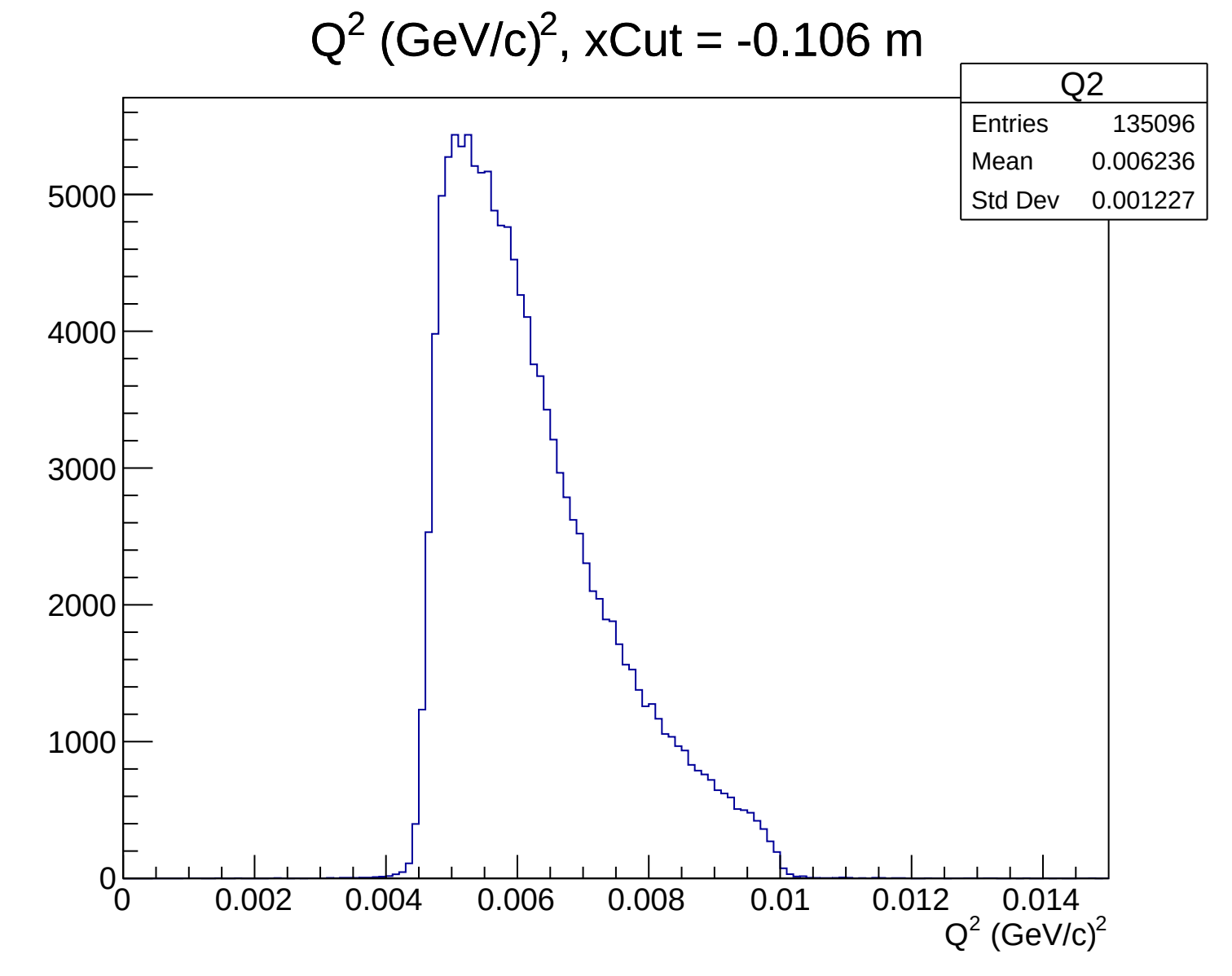

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.106
L.tr.x[0]+1.3*L.tr.th[0] (m)

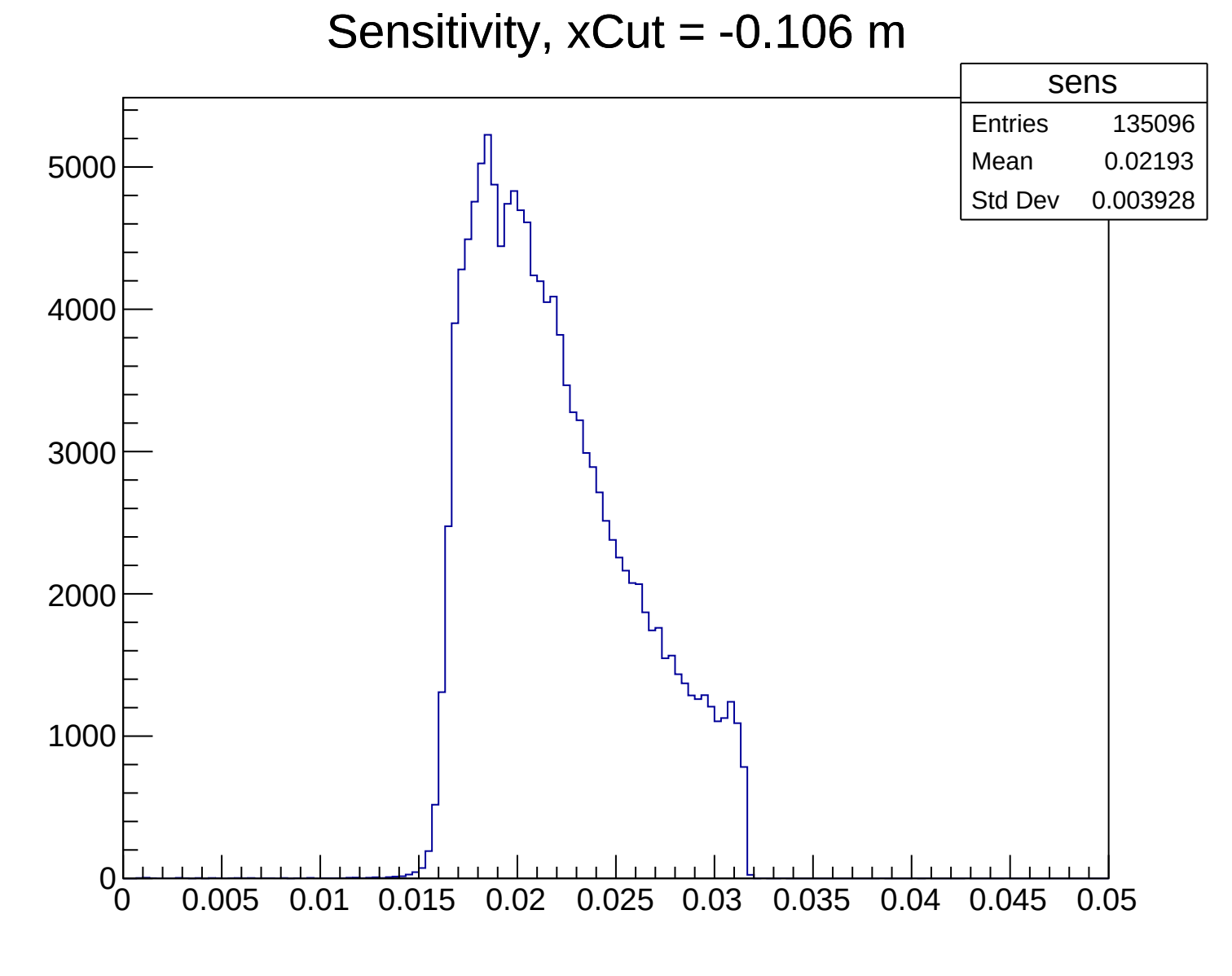

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

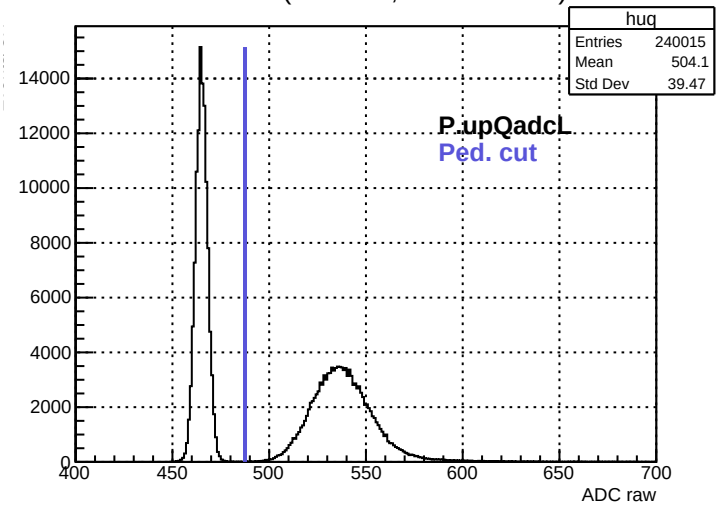

θlab (deg), xCut = -0.106 m
Theta
Entries 135096
Mean 4.753
Std Dev 0.4556
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

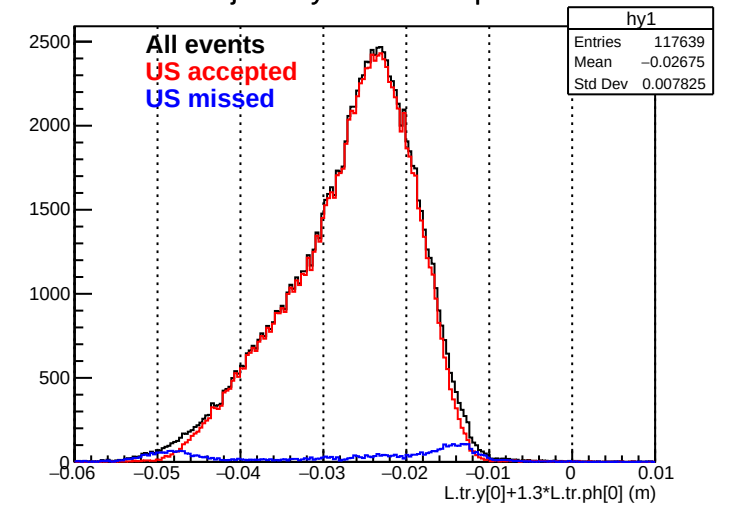

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 135096
Mean 0.5665
Std Dev 0.07451
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

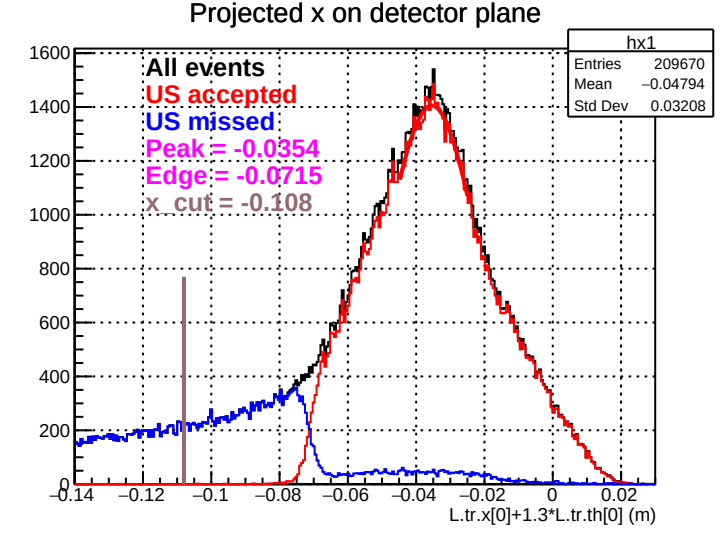

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 135096
Mean 0.5538
Std Dev 0.0707
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

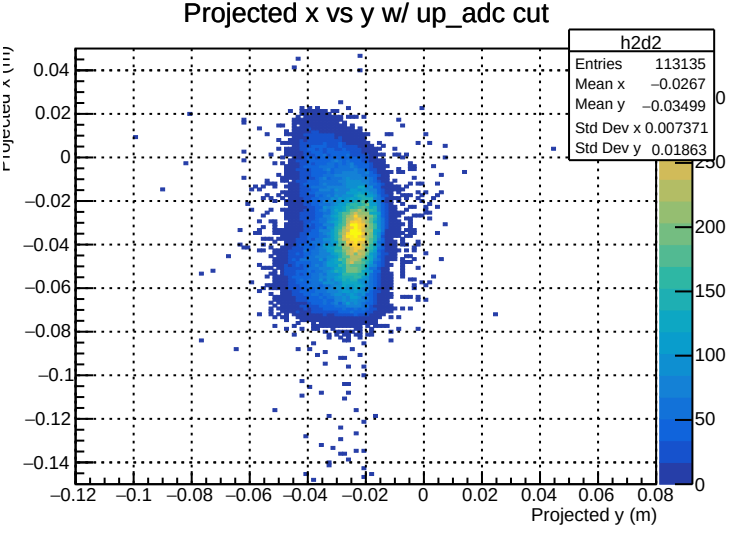

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 135096
Mean 0.006236
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

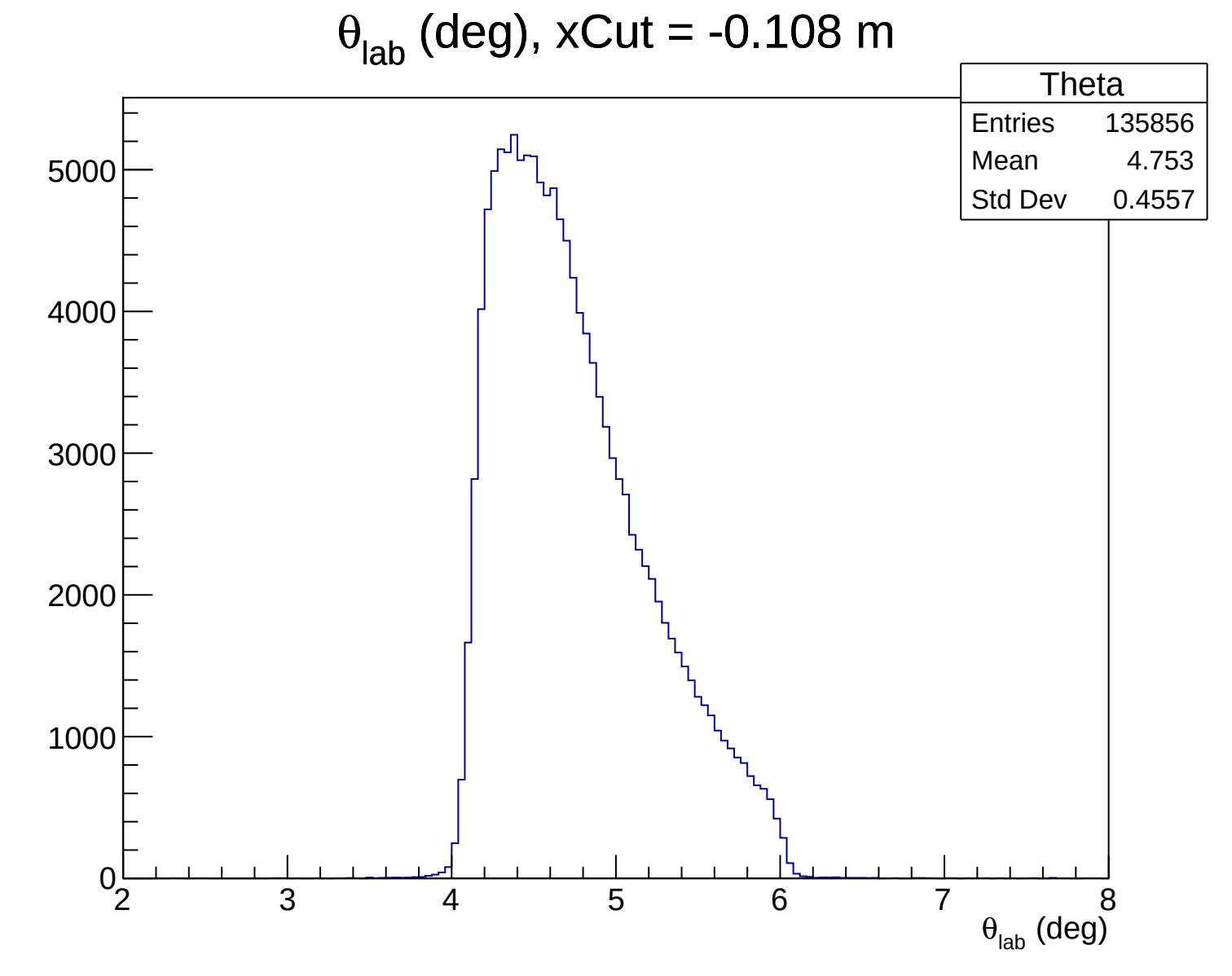

Sensitivity, xCut = -0.106 m
sens
Entries 135096
Mean 0.02193
Std Dev 0.003928
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

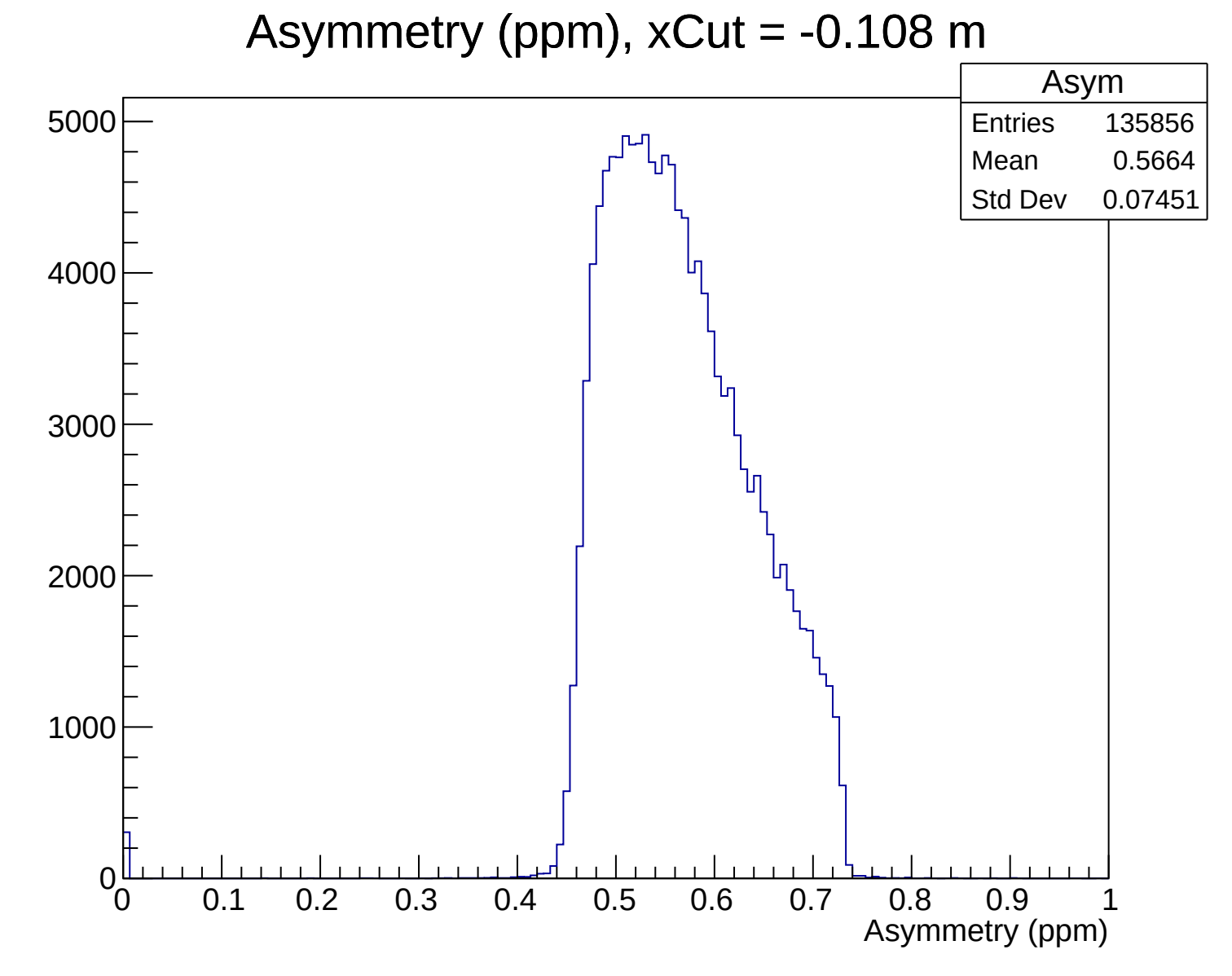

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

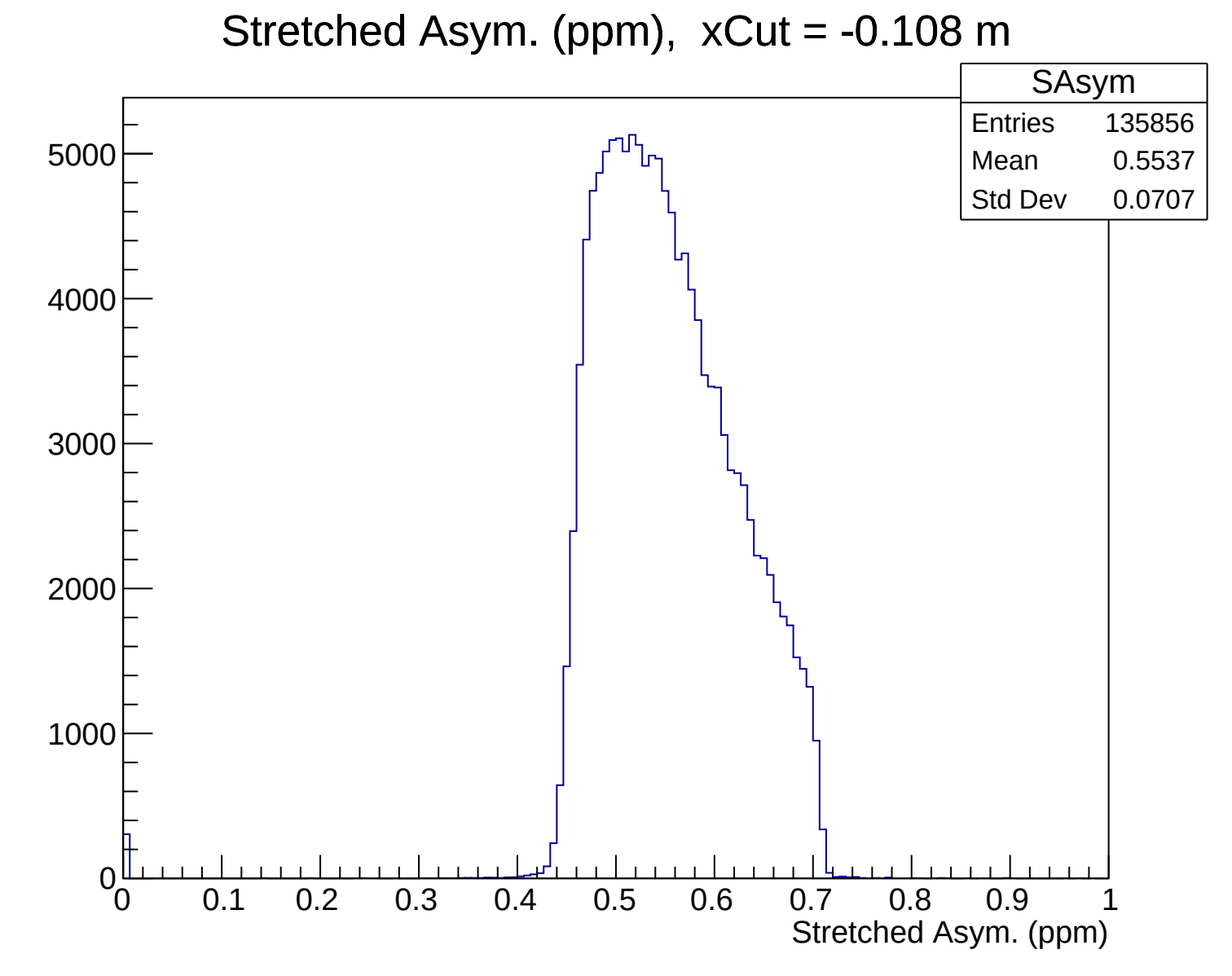

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

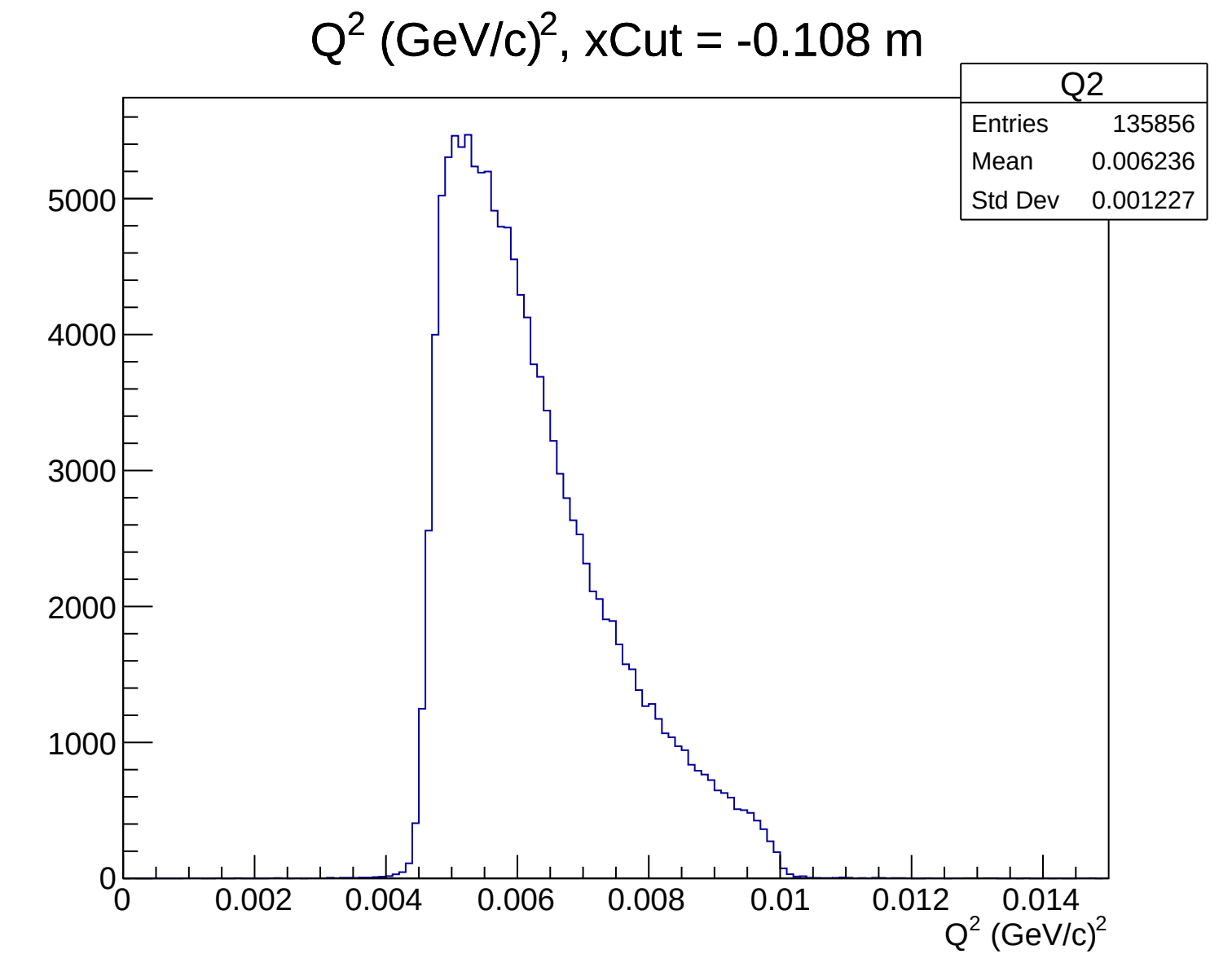

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.108
L.tr.x[0]+1.3*L.tr.th[0] (m)

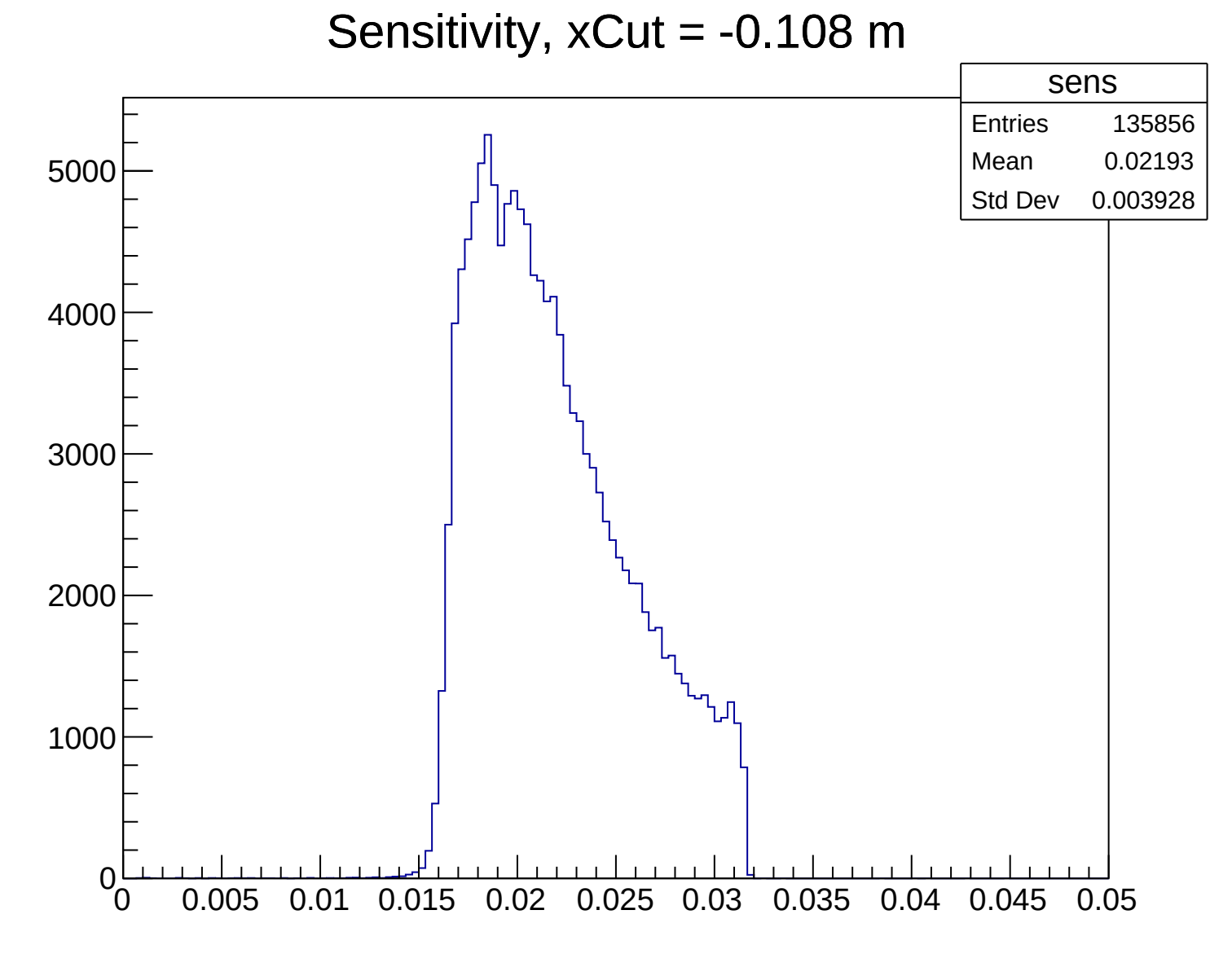

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

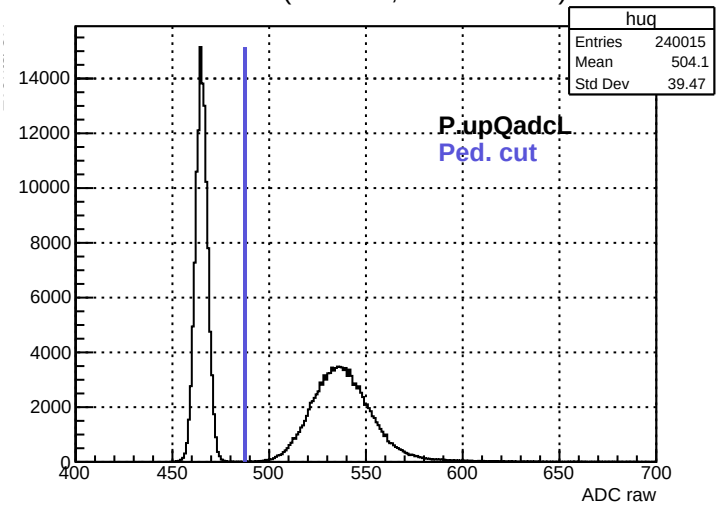

θlab (deg), xCut = -0.108 m
Theta
Entries 135856
Mean 4.753
Std Dev 0.4557
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

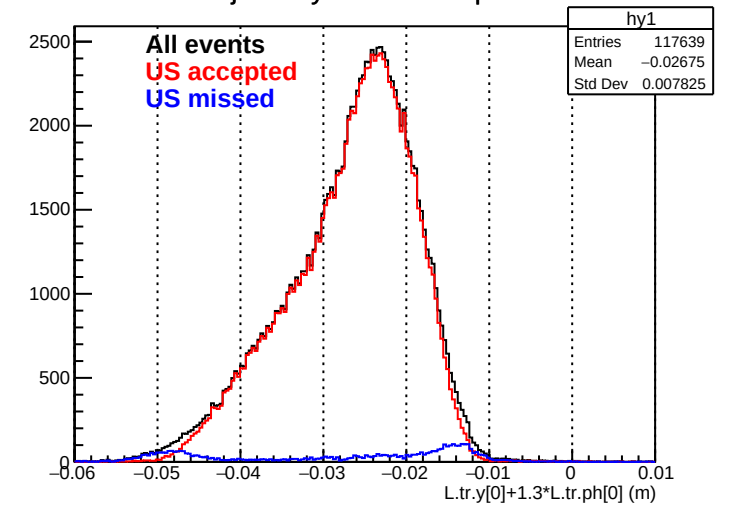

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 135856
Mean 0.5664
Std Dev 0.07451
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

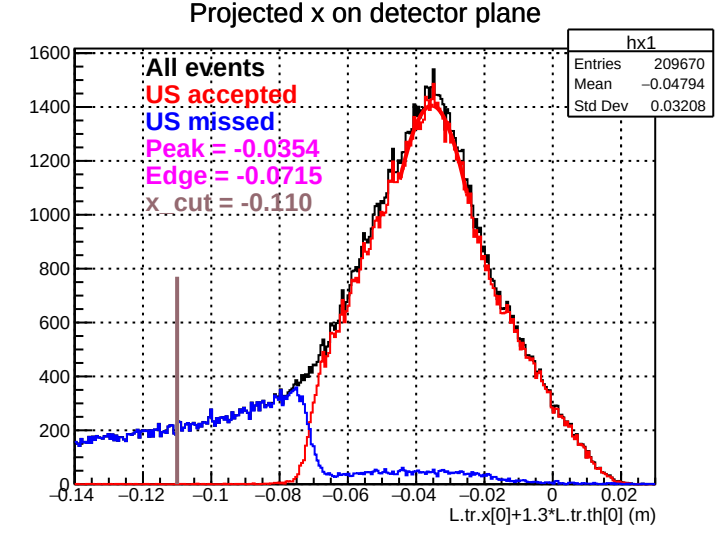

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 135856
Mean 0.5537
Std Dev 0.0707
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

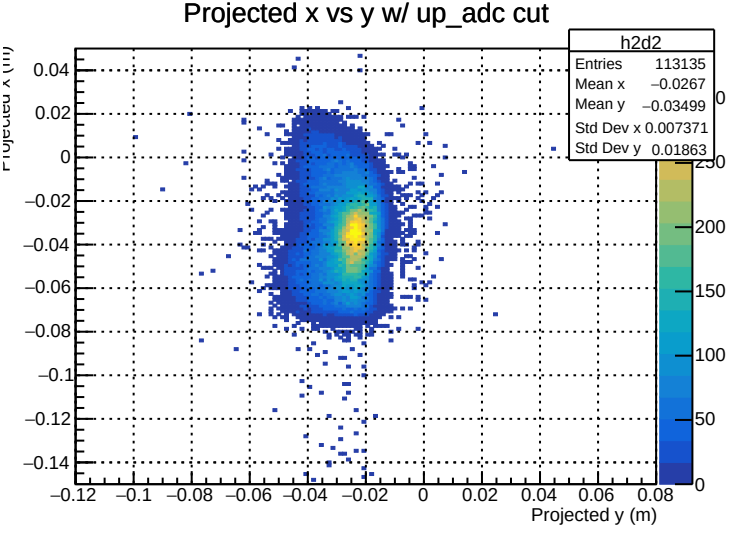

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 135856
Mean 0.006236
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

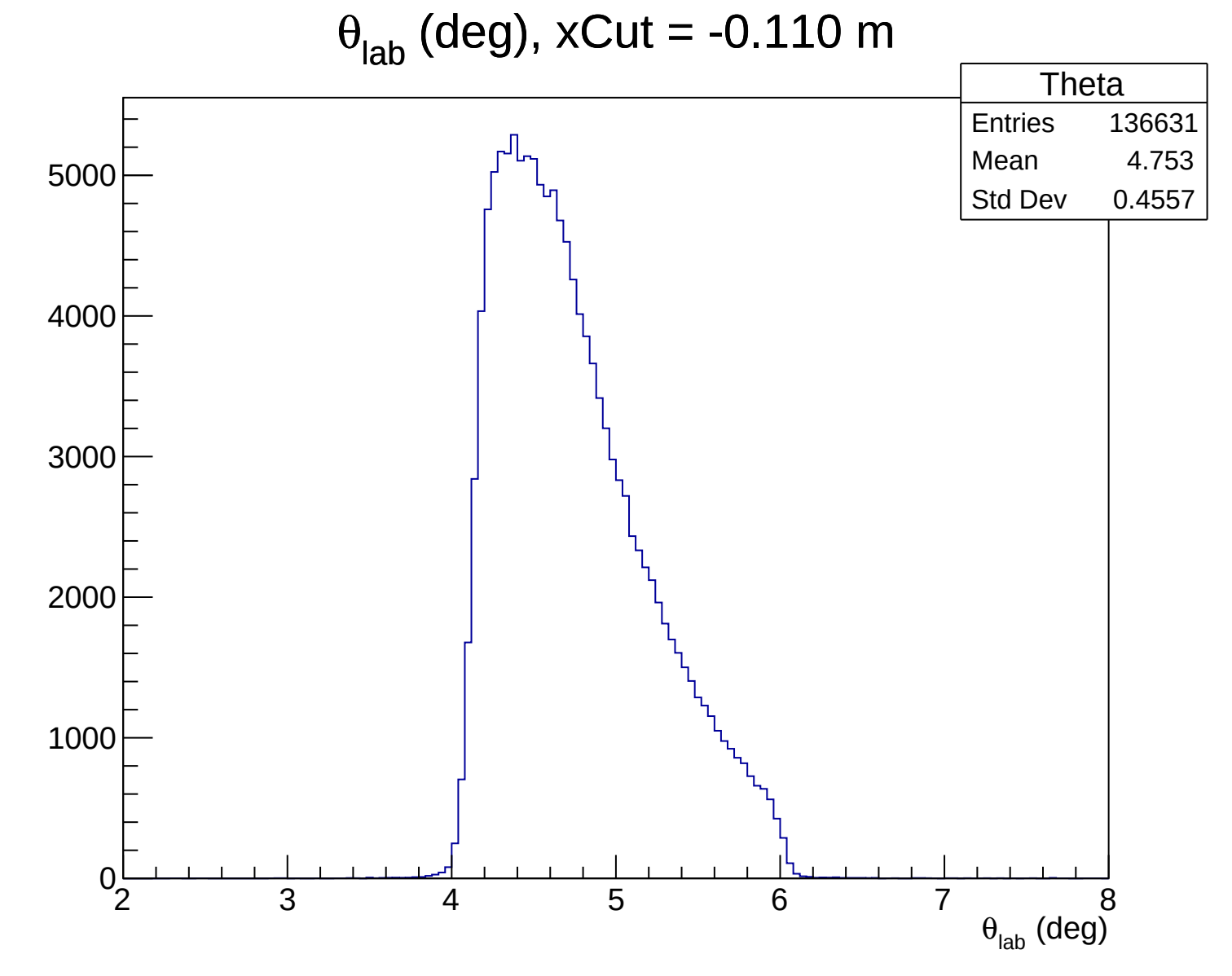

Sensitivity, xCut = -0.108 m
sens
Entries 135856
Mean 0.02193
Std Dev 0.003928
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

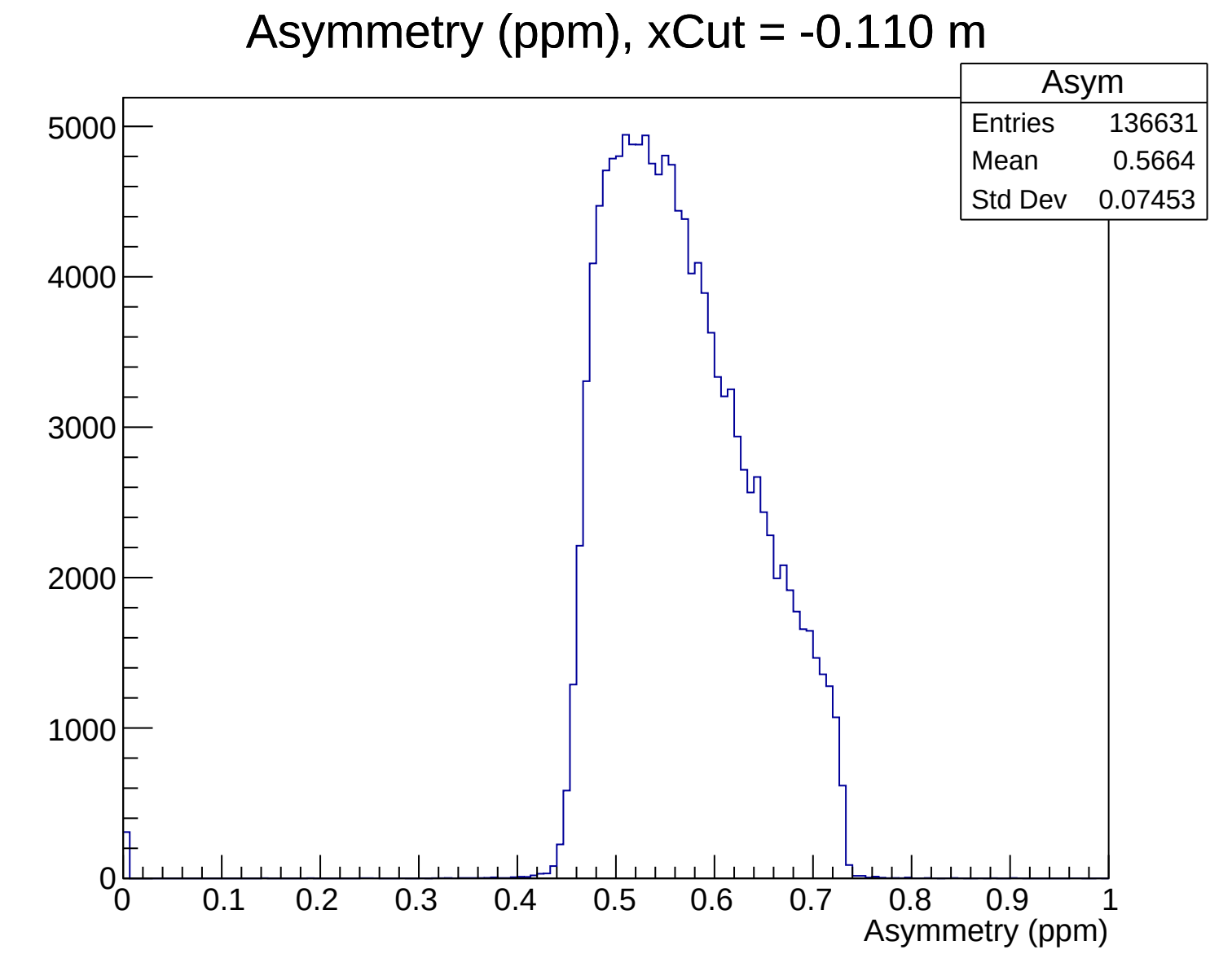

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

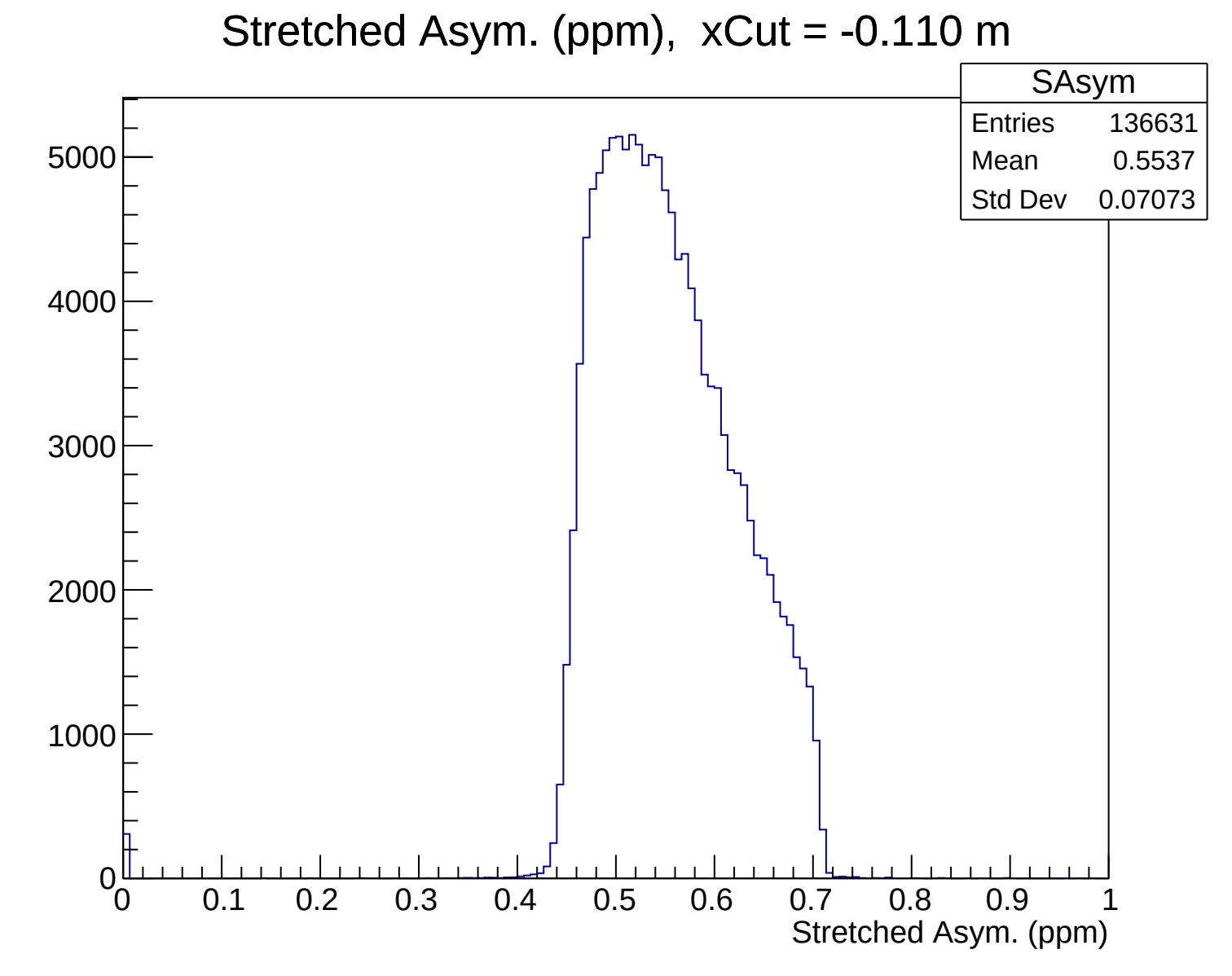

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

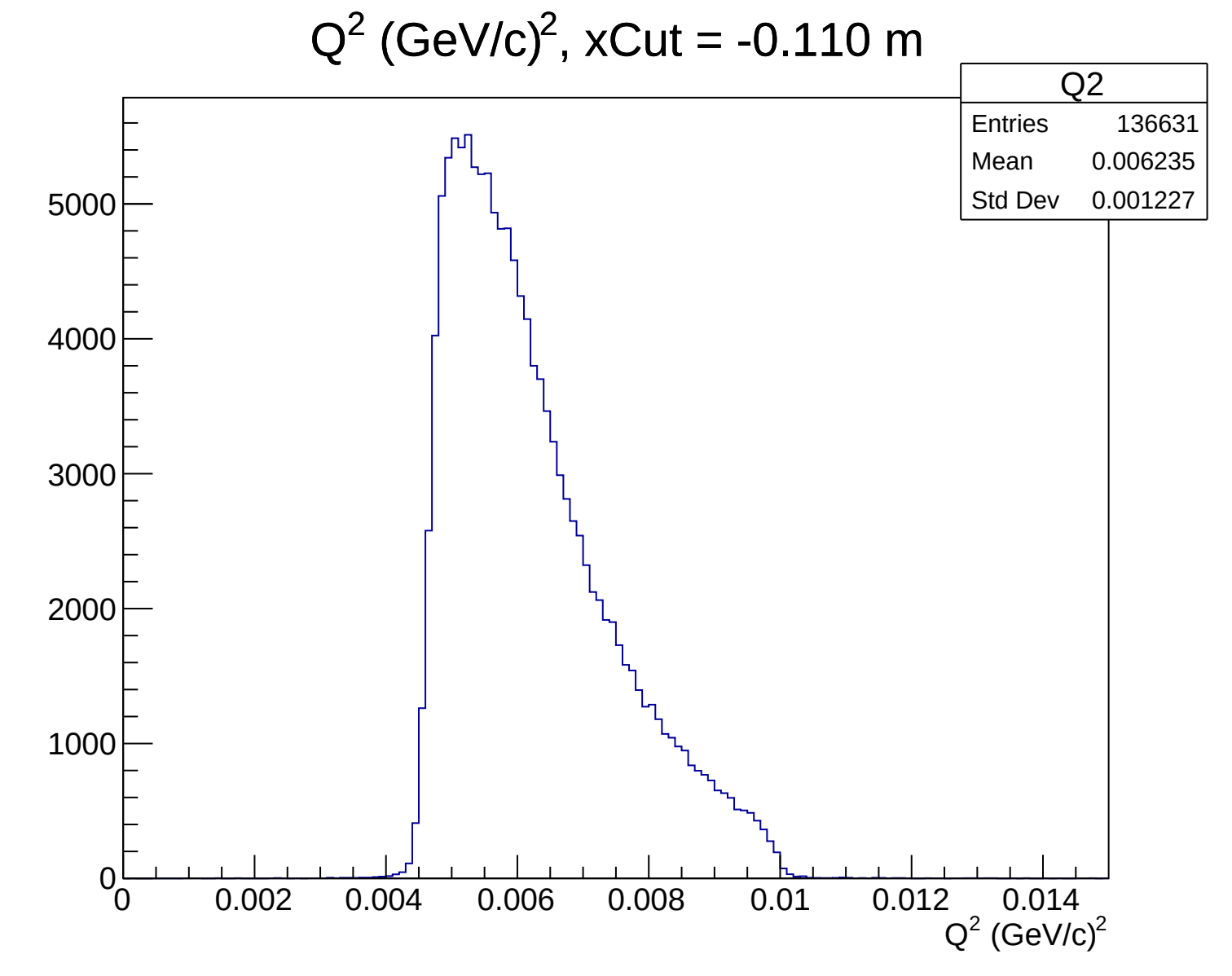

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.110
L.tr.x[0]+1.3*L.tr.th[0] (m)

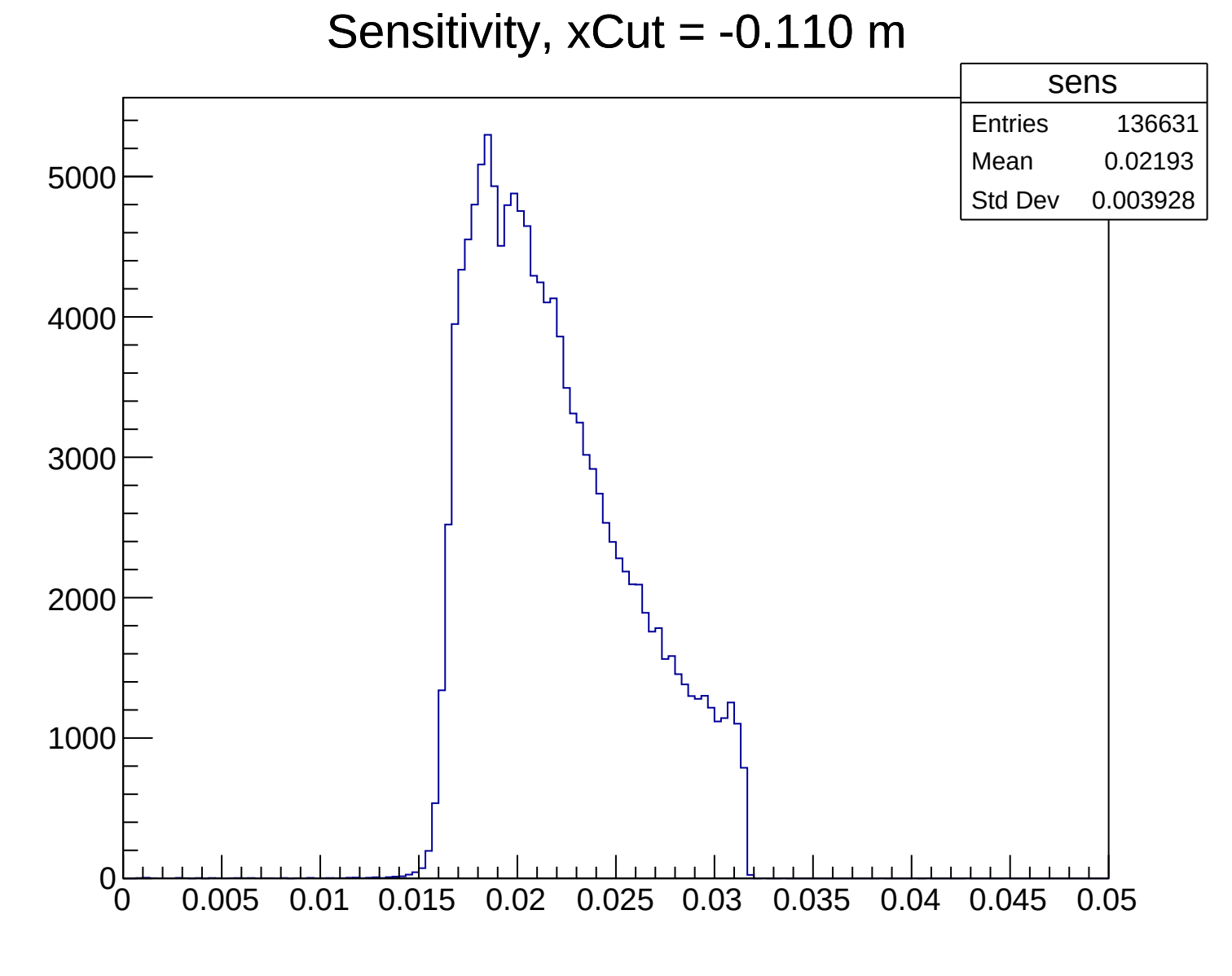

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

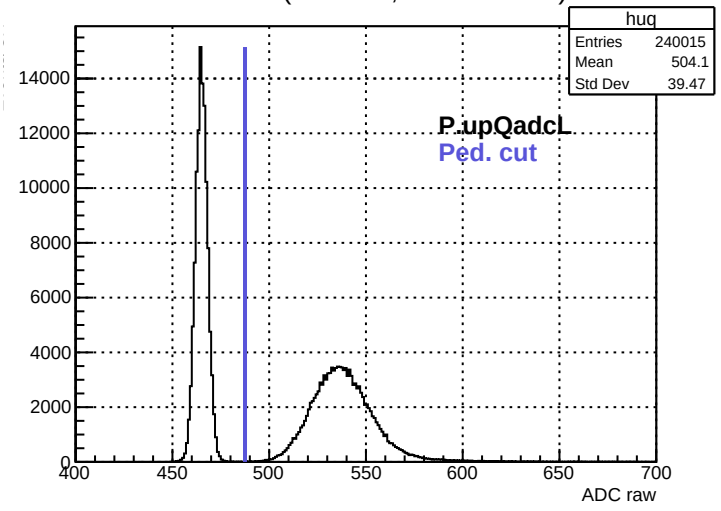

θlab (deg), xCut = -0.110 m
Theta
Entries 136631
Mean 4.753
Std Dev 0.4557
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

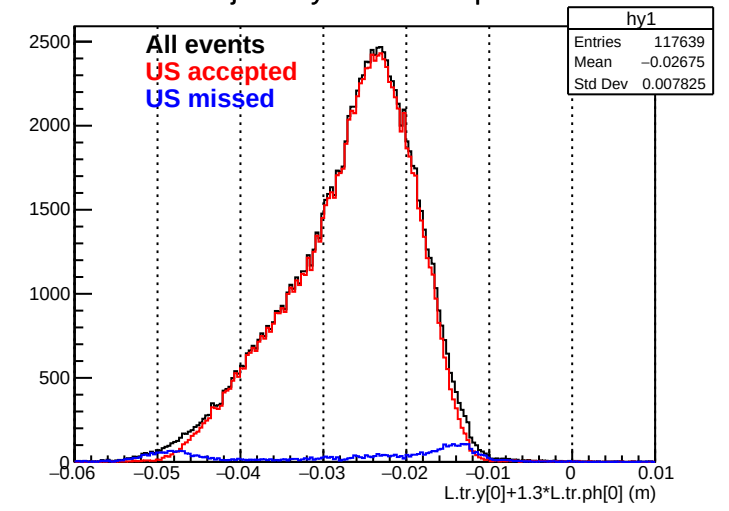

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 136631
Mean 0.5664
Std Dev 0.07453
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

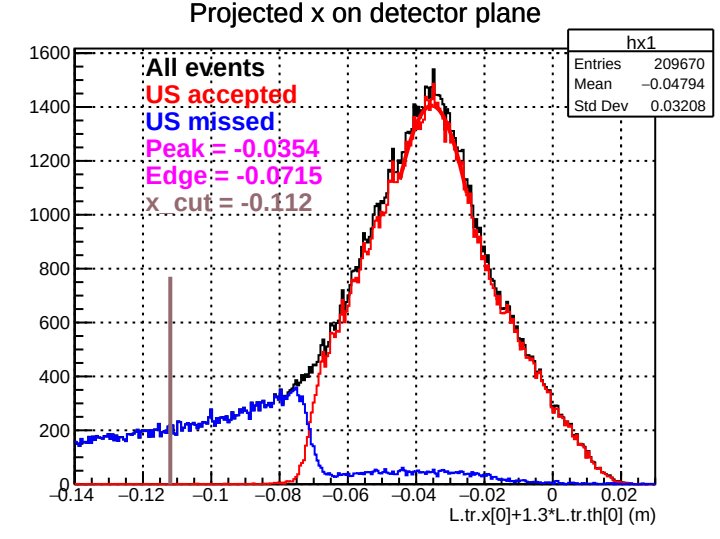

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 136631
Mean 0.5537
Std Dev 0.07073
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

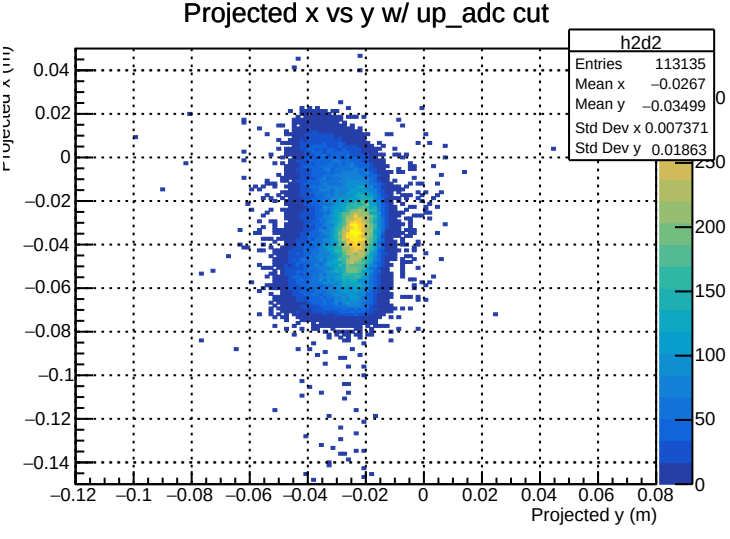

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 136631
Mean 0.006235
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

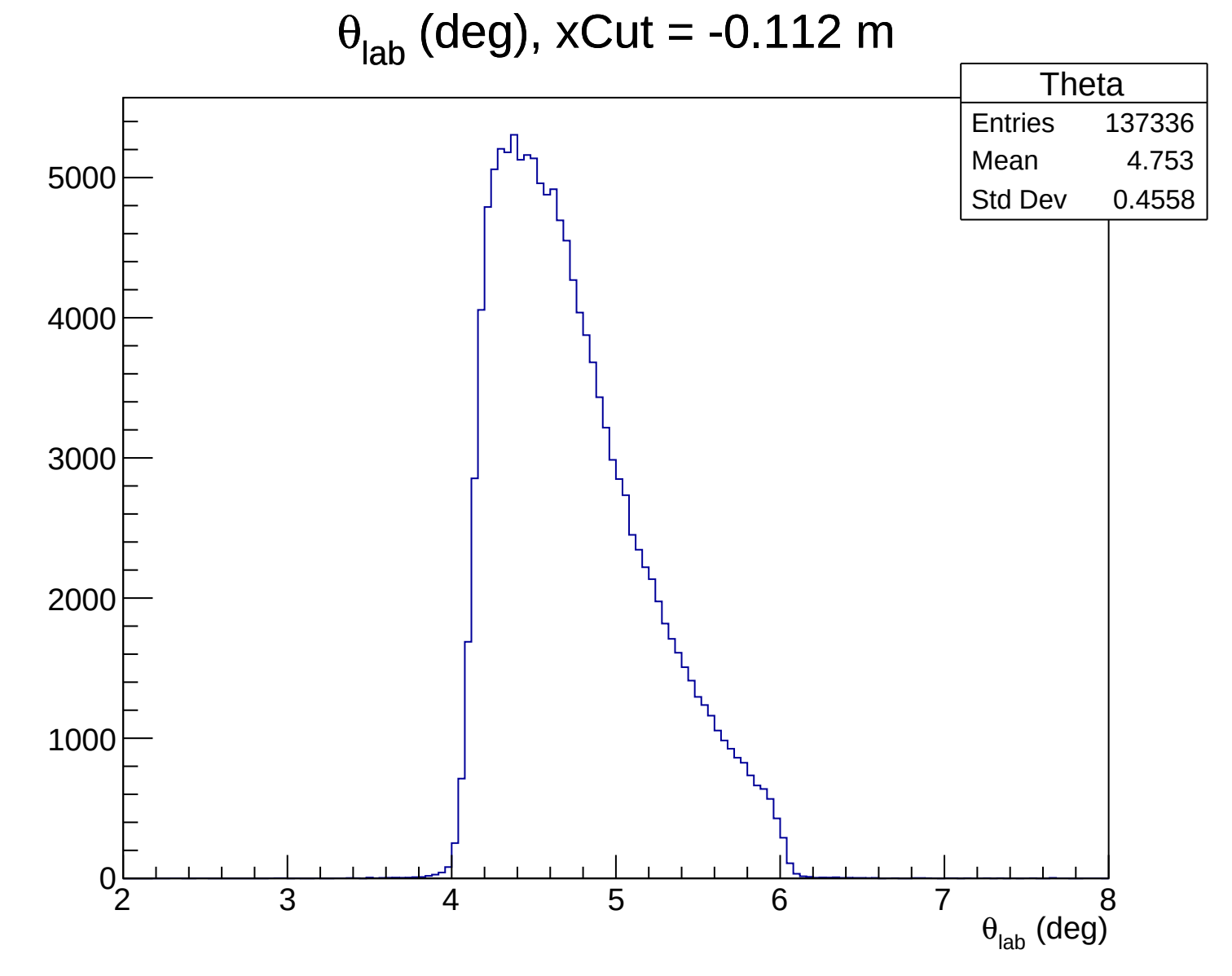

Sensitivity, xCut = -0.110 m
sens
Entries 136631
Mean 0.02193
Std Dev 0.003928
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

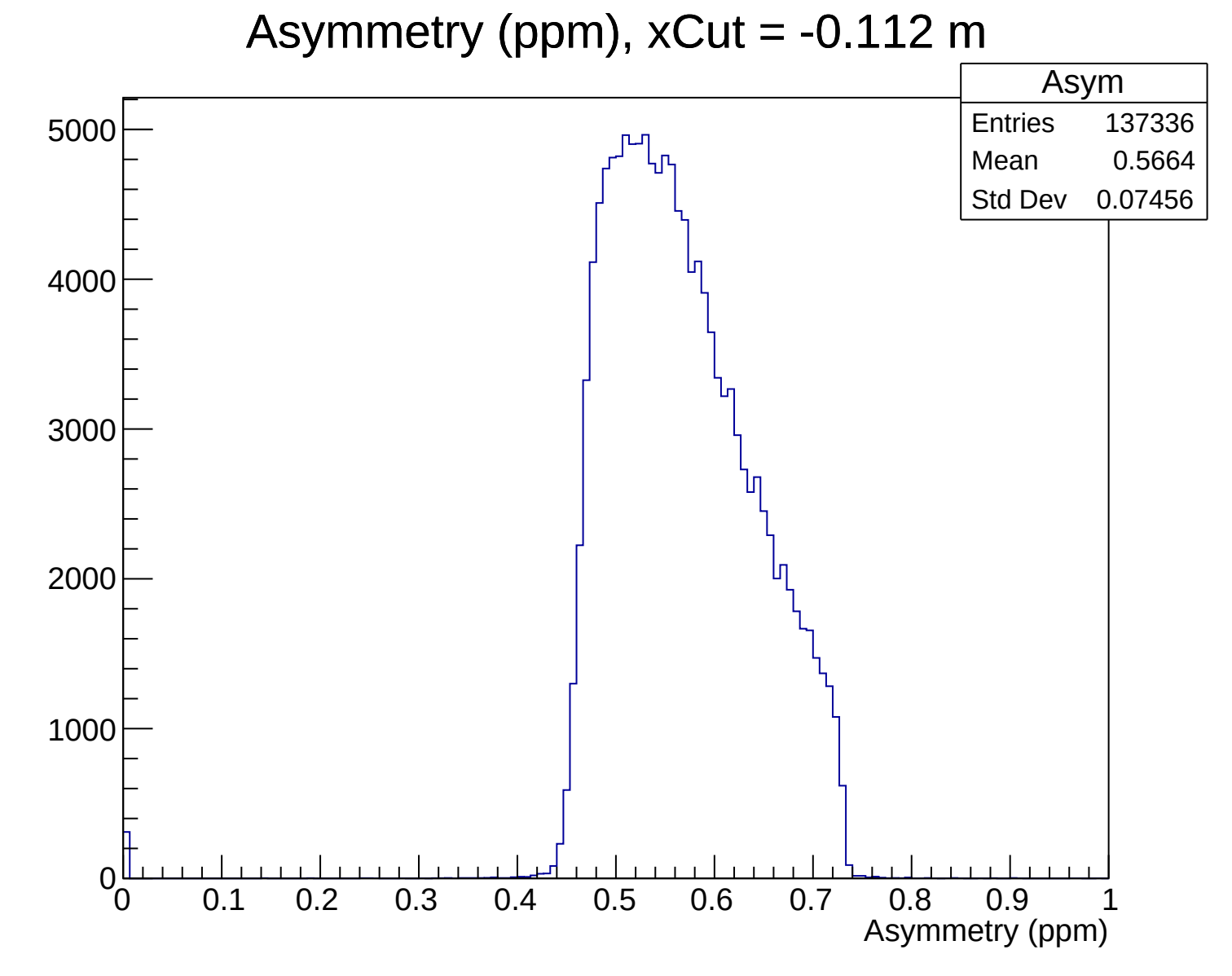

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

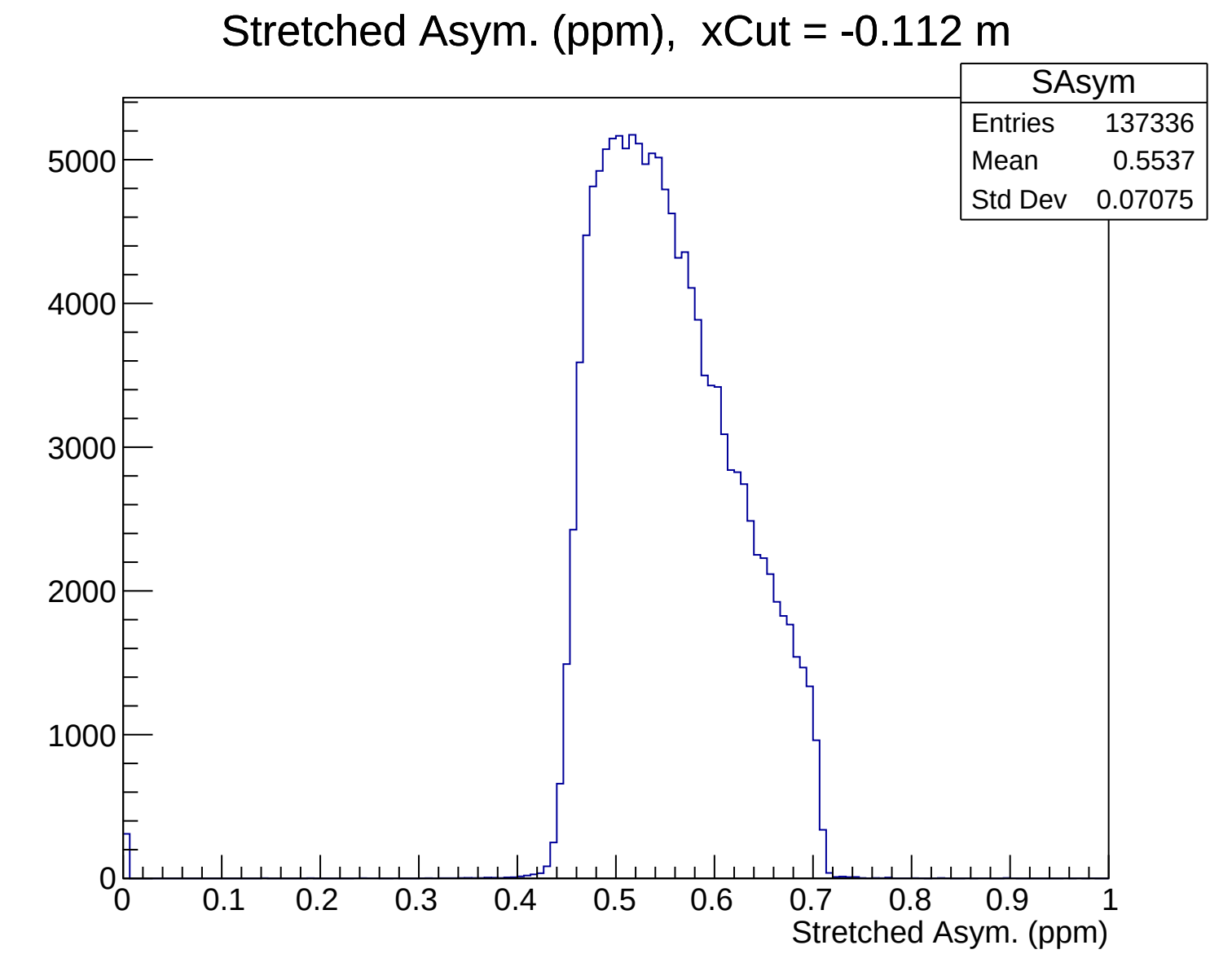

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

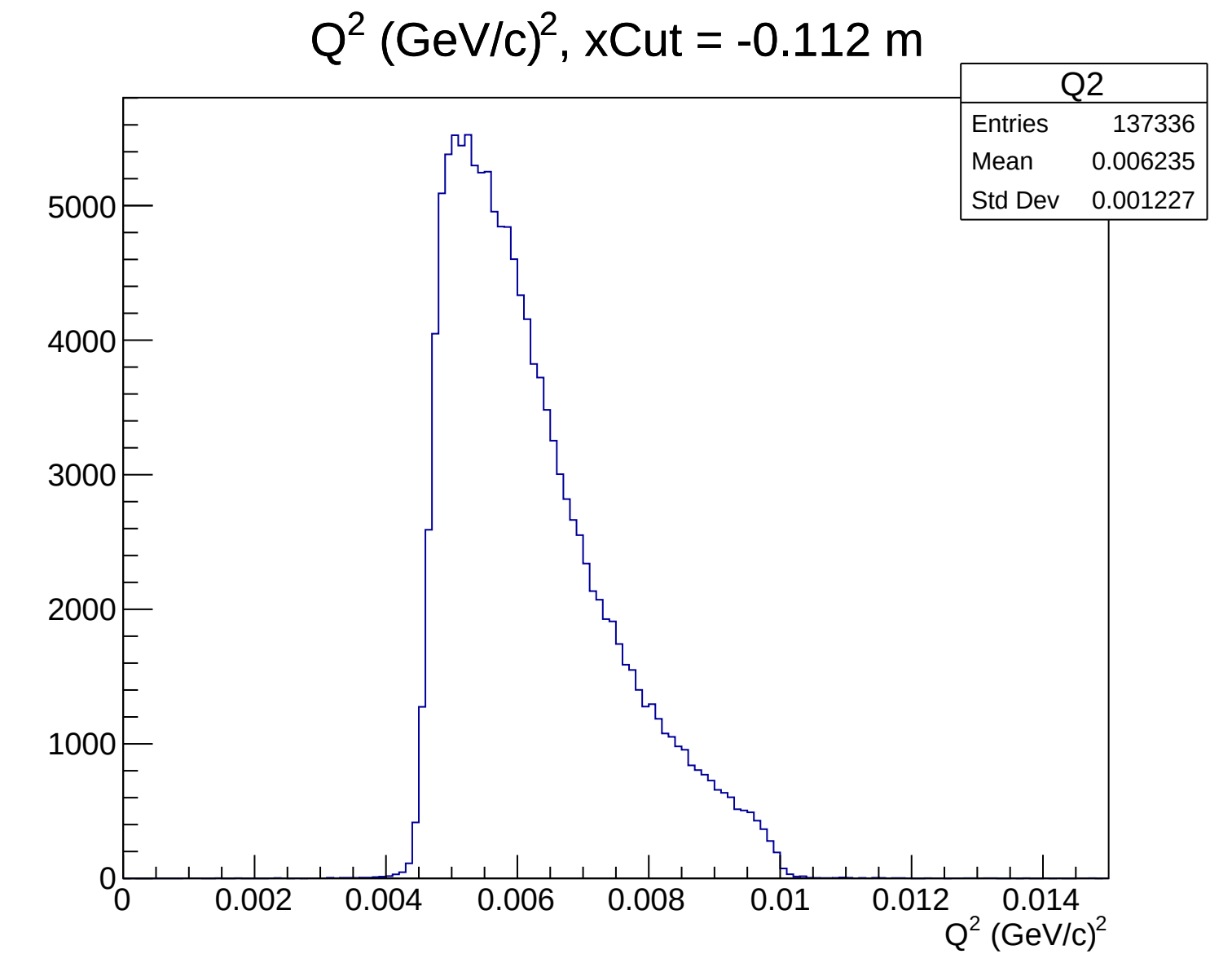

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.112
L.tr.x[0]+1.3*L.tr.th[0] (m)

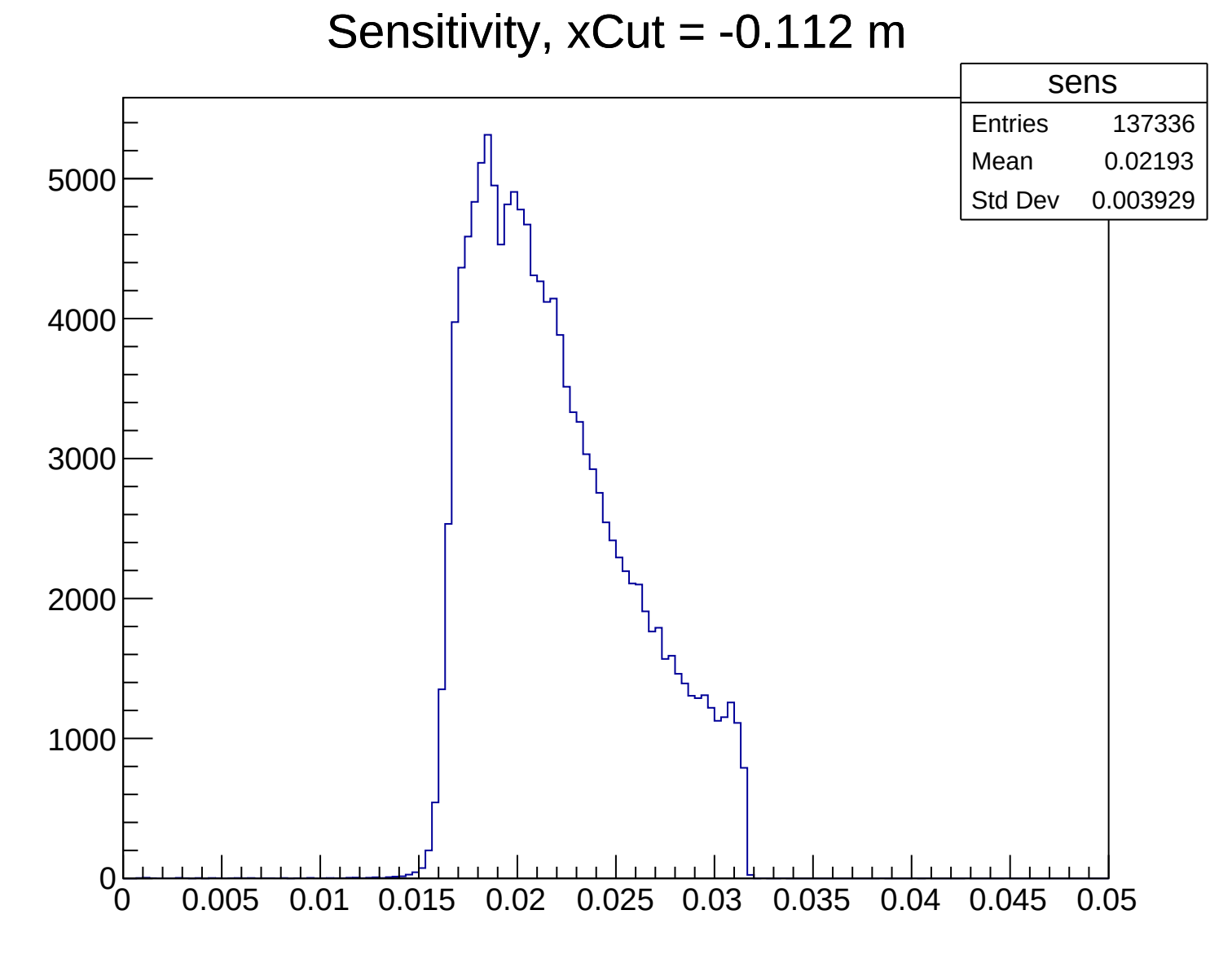

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)

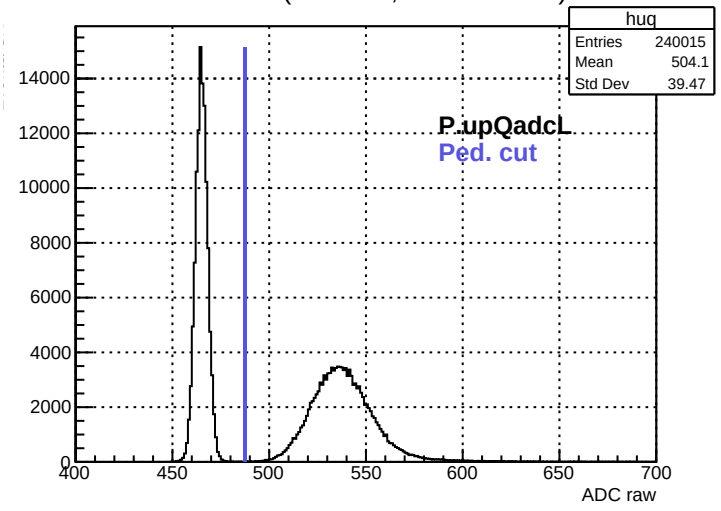

θlab (deg), xCut = -0.112 m
Theta
Entries 137336
Mean 4.753
Std Dev 0.4558
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

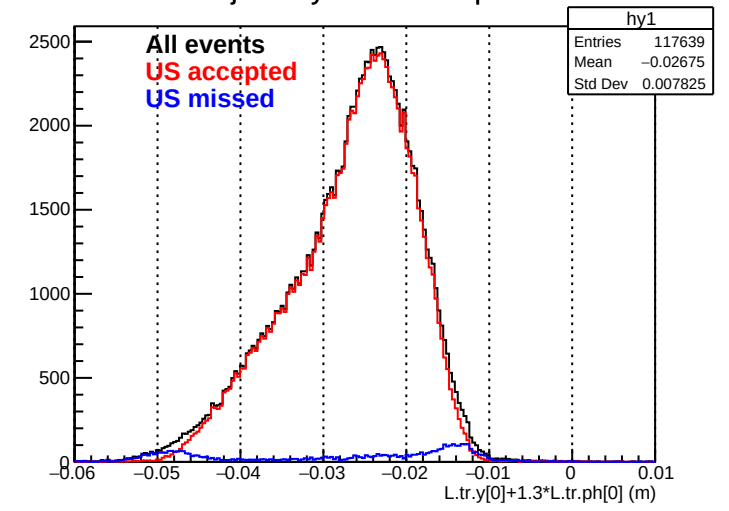

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 137336
Mean 0.5664
Std Dev 0.07456
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

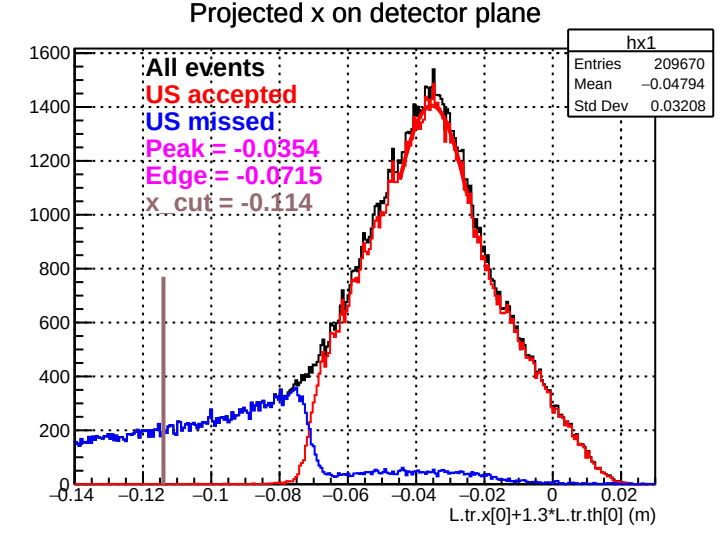

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 137336
Mean 0.5537
Std Dev 0.07075
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

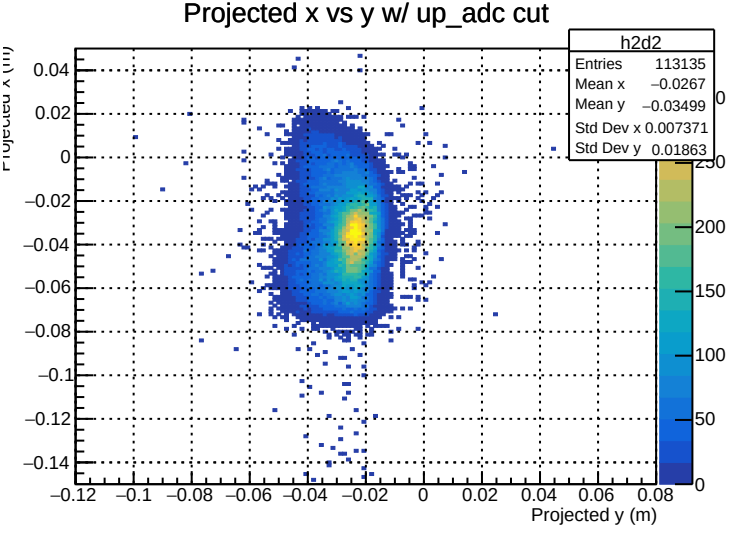

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 137336
Mean 0.006235
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

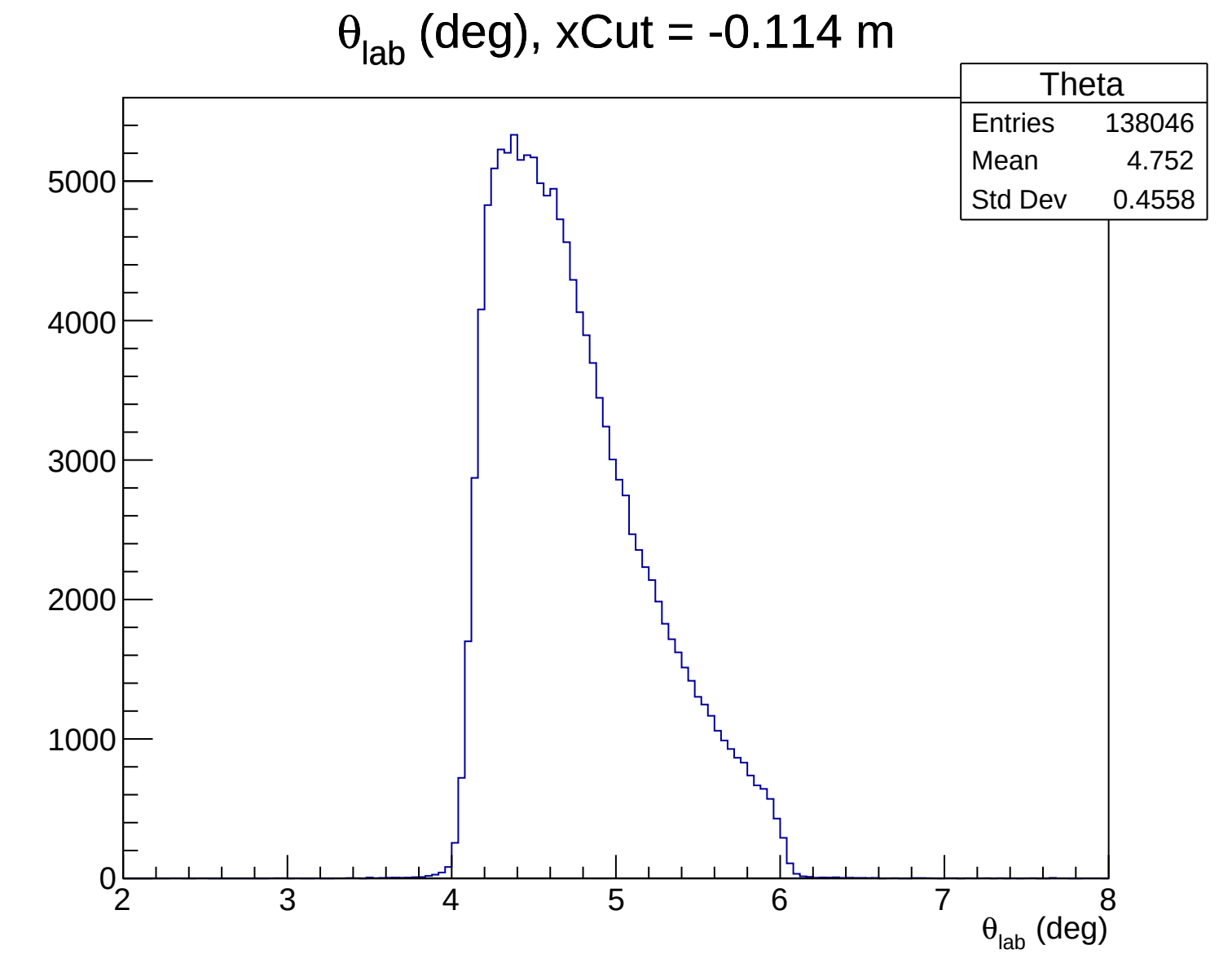

Sensitivity, xCut = -0.112 m
sens
Entries 137336
Mean 0.02193
Std Dev 0.003929
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

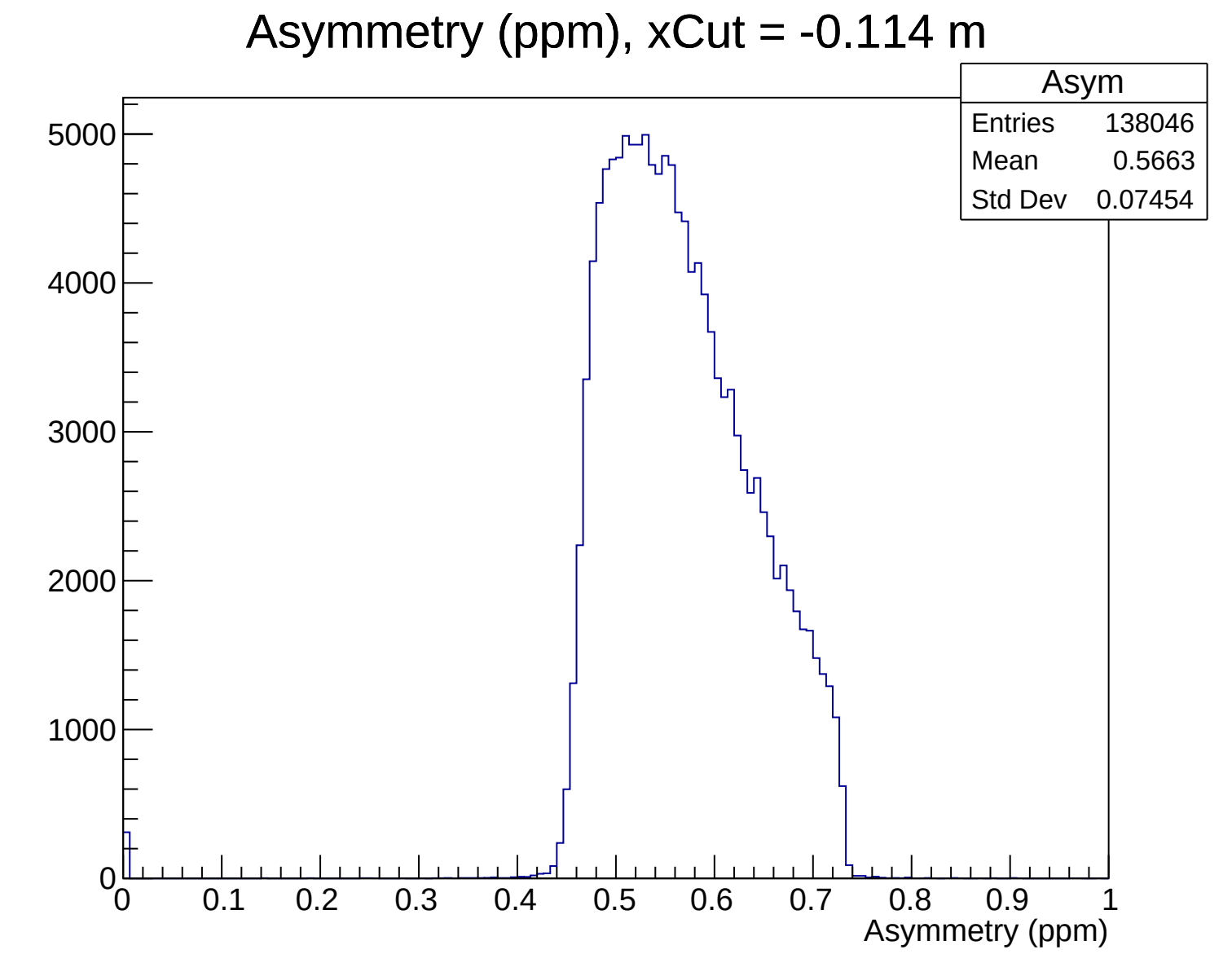

ADC raw (run1991, detZ = 1.3 m)
huq
Entries 240015
Mean 504.1
Std Dev 39.47
P.upQadcL
Ped. cut
ADC raw

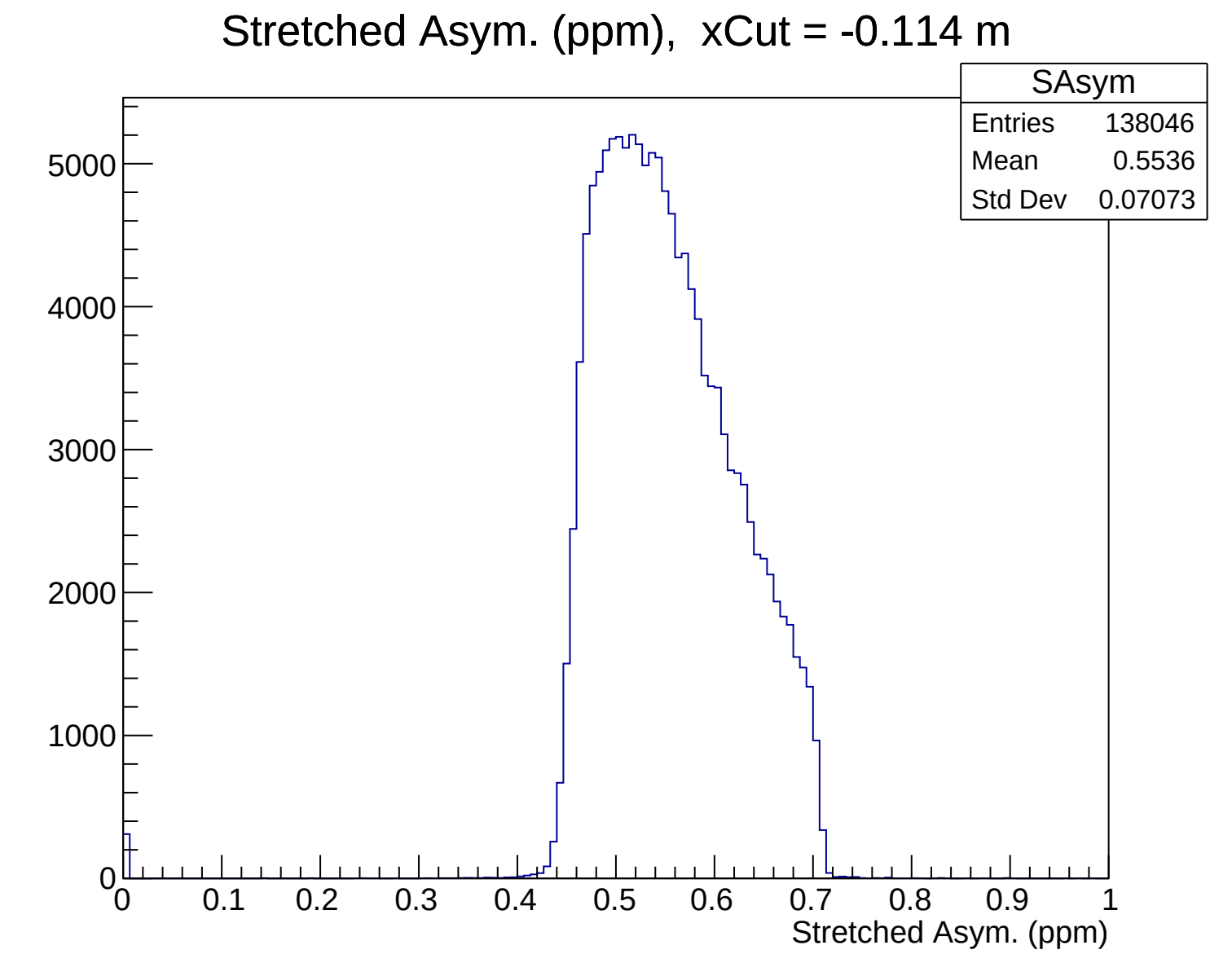

Projected y on detector plane
hy1
Entries 117639
Mean −0.02675
Std Dev 0.007825
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

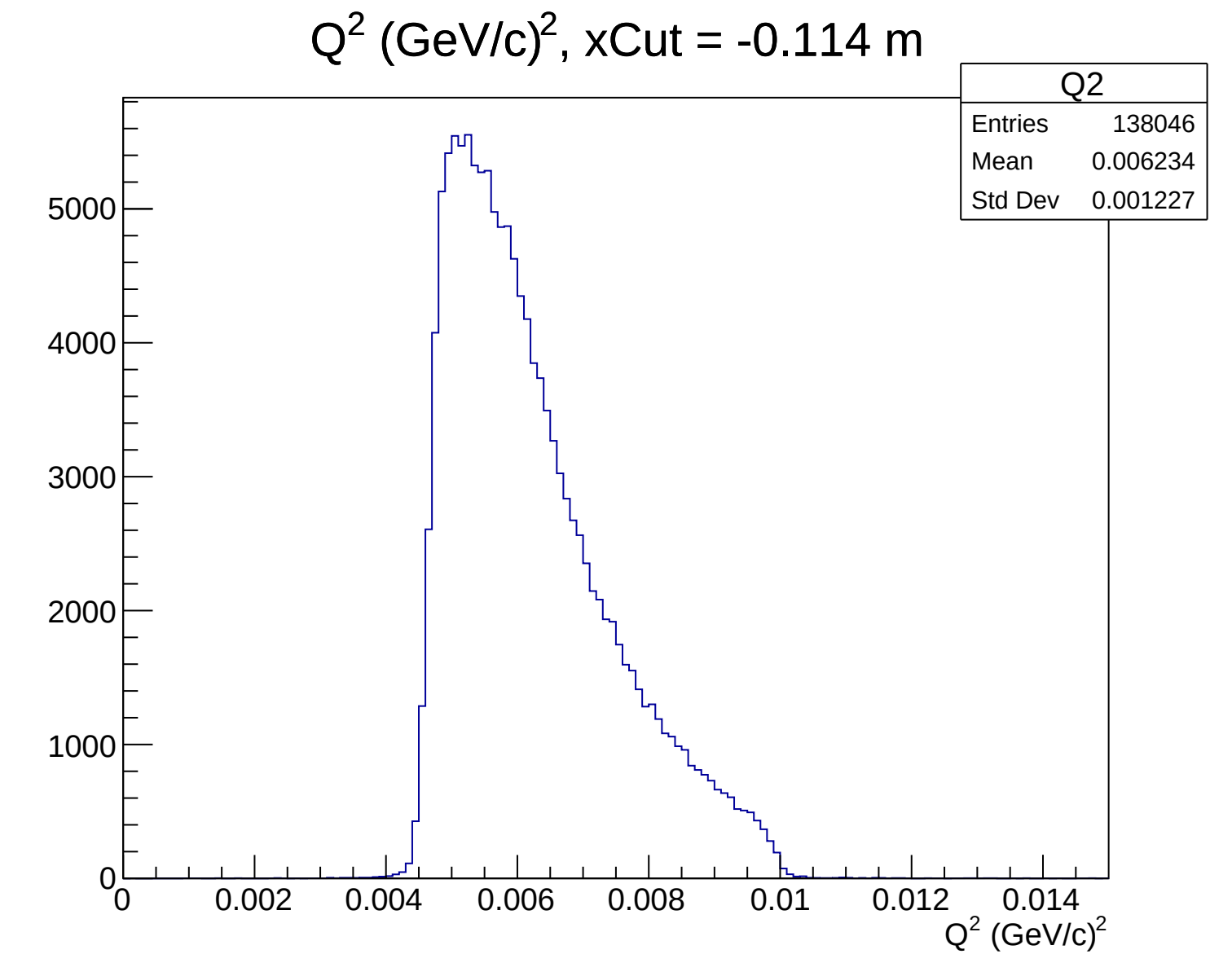

Projected x on detector plane
hx1
Entries 209670
Mean −0.04794
Std Dev 0.03208
All events
US accepted
US missed
Peak = -0.0354
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

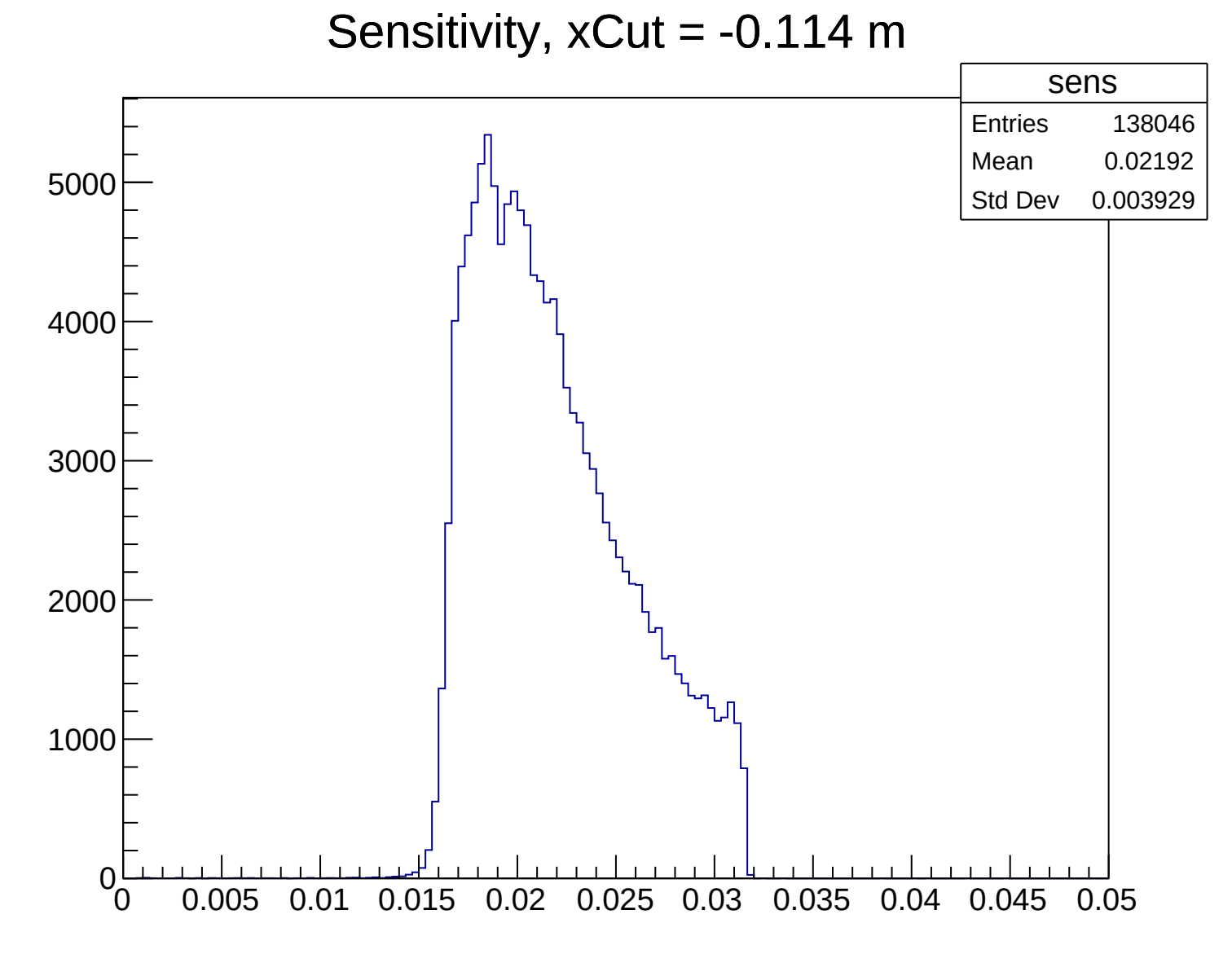

Projected x vs y w/ up_adc cut
h2d2
Entries 113135
Mean x −0.0267
Mean y −0.03499
Std Dev x 0.007371
Std Dev y 0.01863
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 138046
Mean 4.752
Std Dev 0.4558
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 138046
Mean 0.5663
Std Dev 0.07454
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), xCut = -0.114 m
SAsym
Entries 138046
Mean 0.5536
Std Dev 0.07073
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, xCut = -0.114 m
Q2
Entries 138046
Mean 0.006234
Std Dev 0.001227
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, xCut = -0.114 m
sens
Entries 138046
Mean 0.02192
Std Dev 0.003929
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05