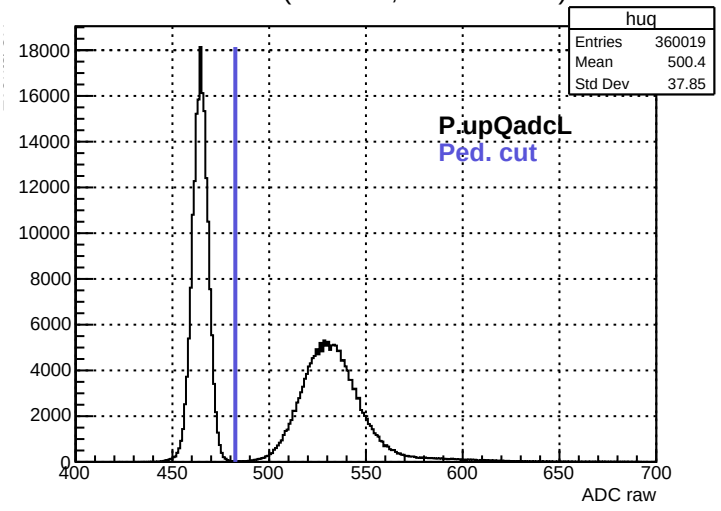
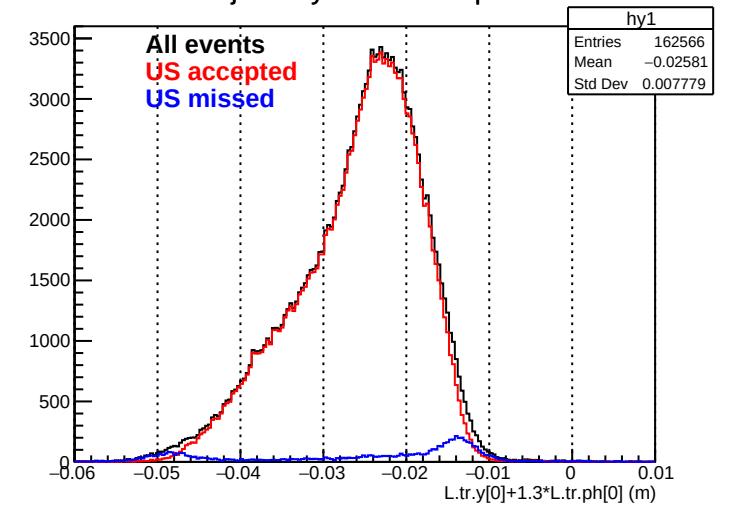
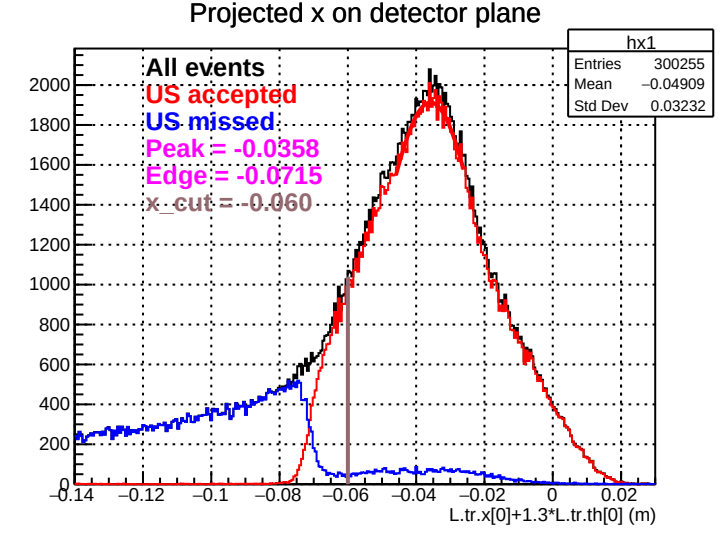
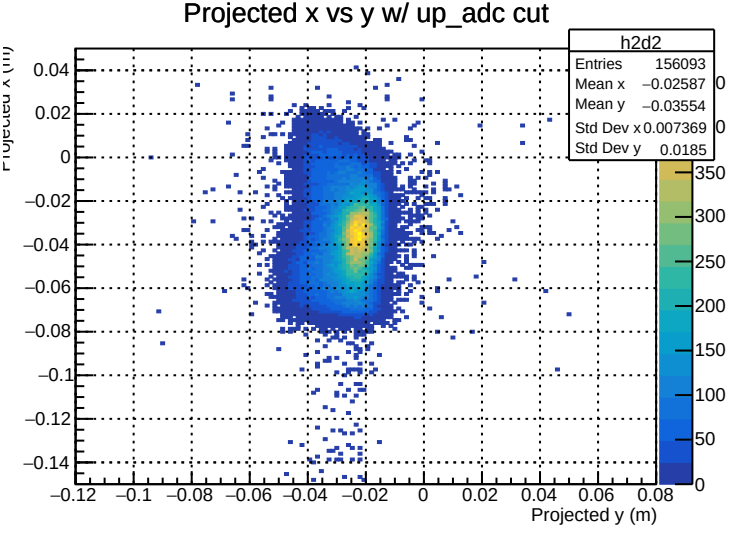
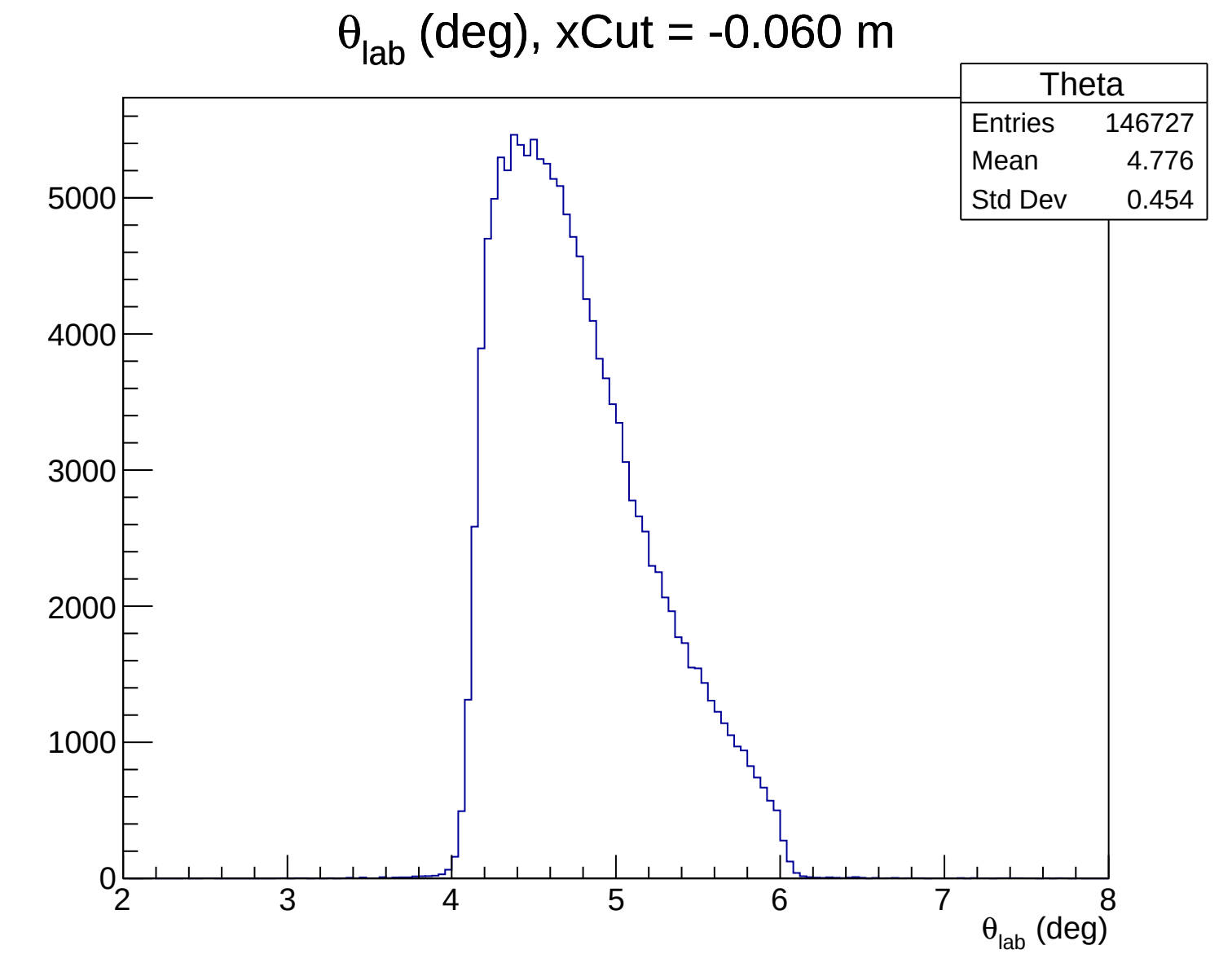
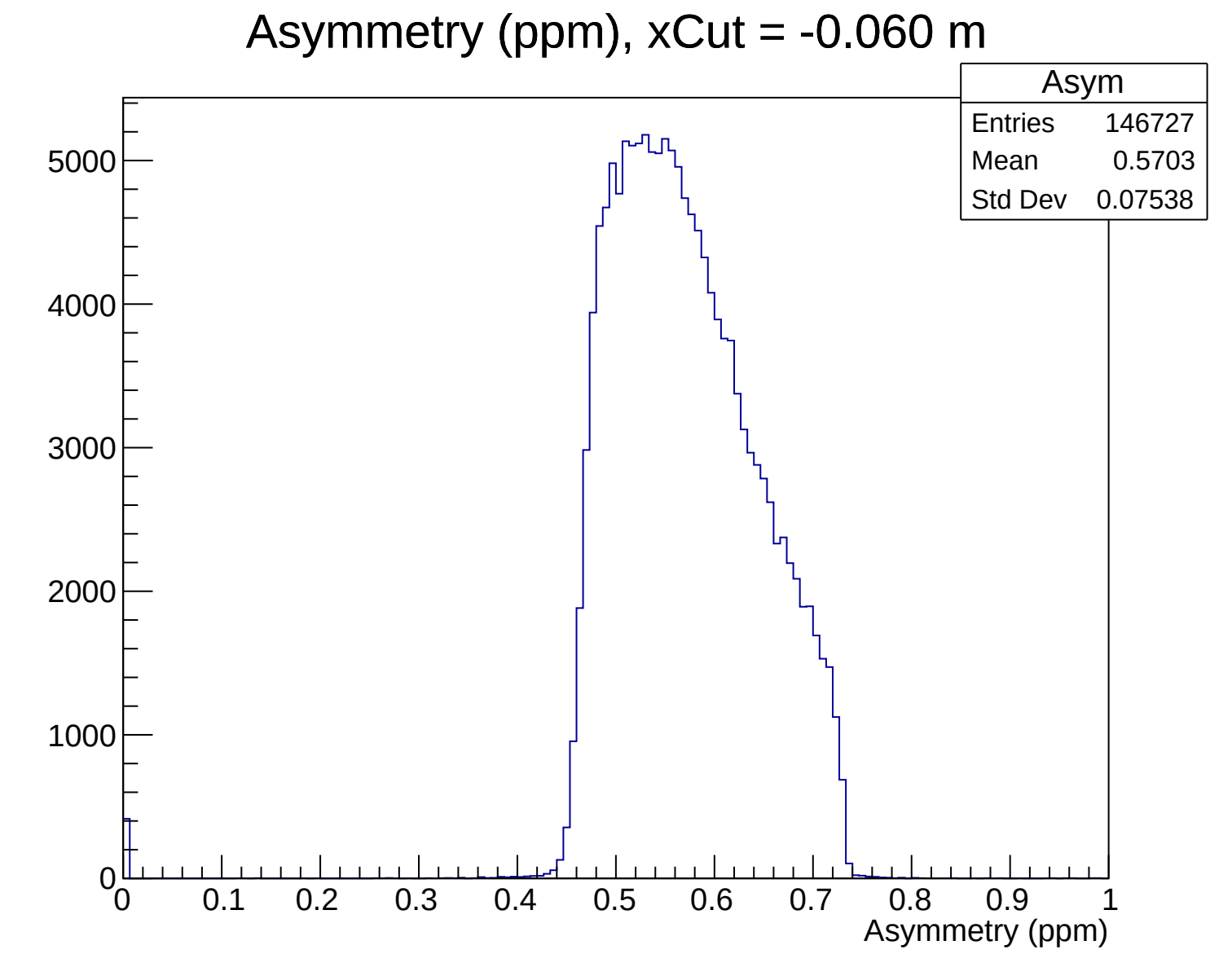

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

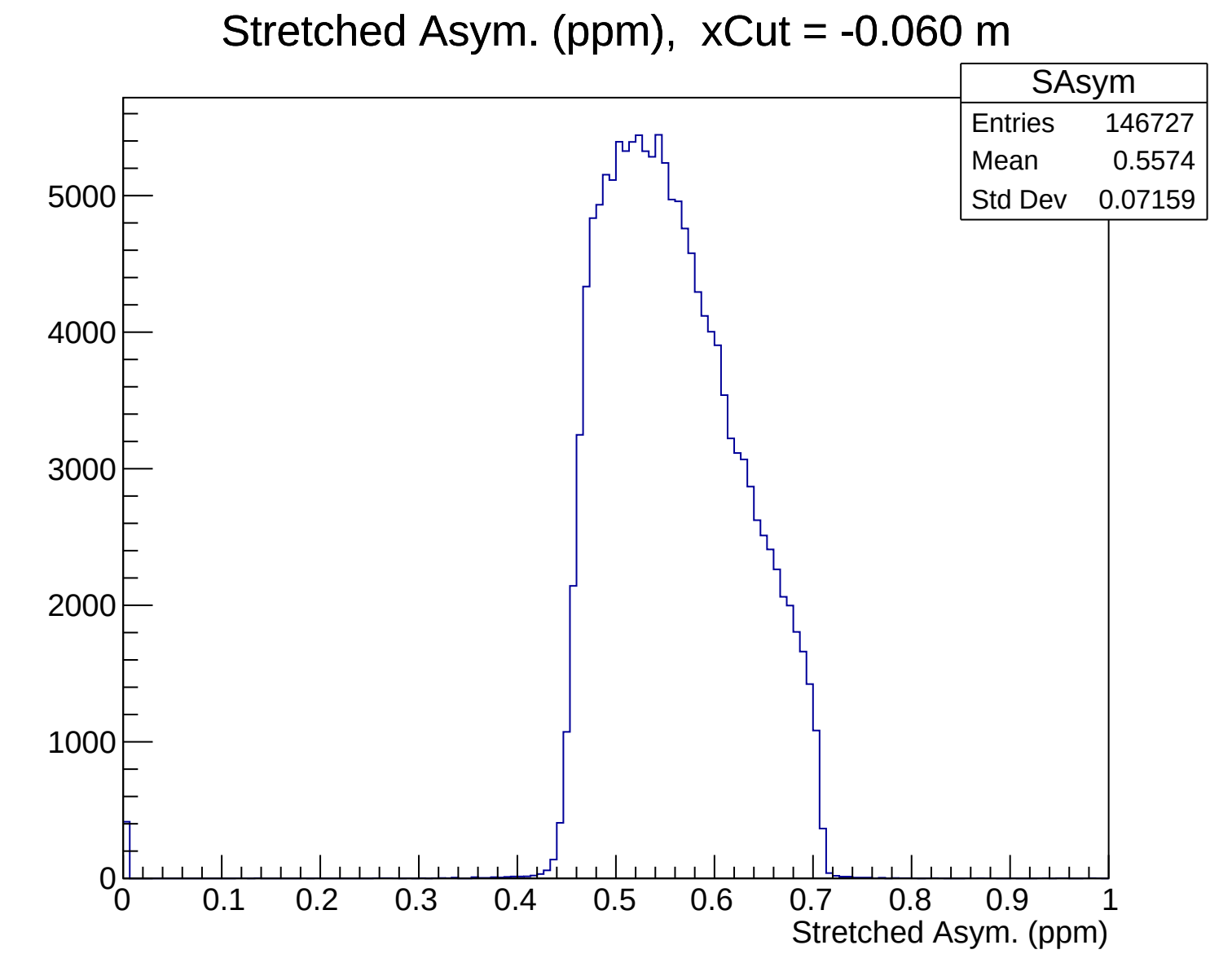

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

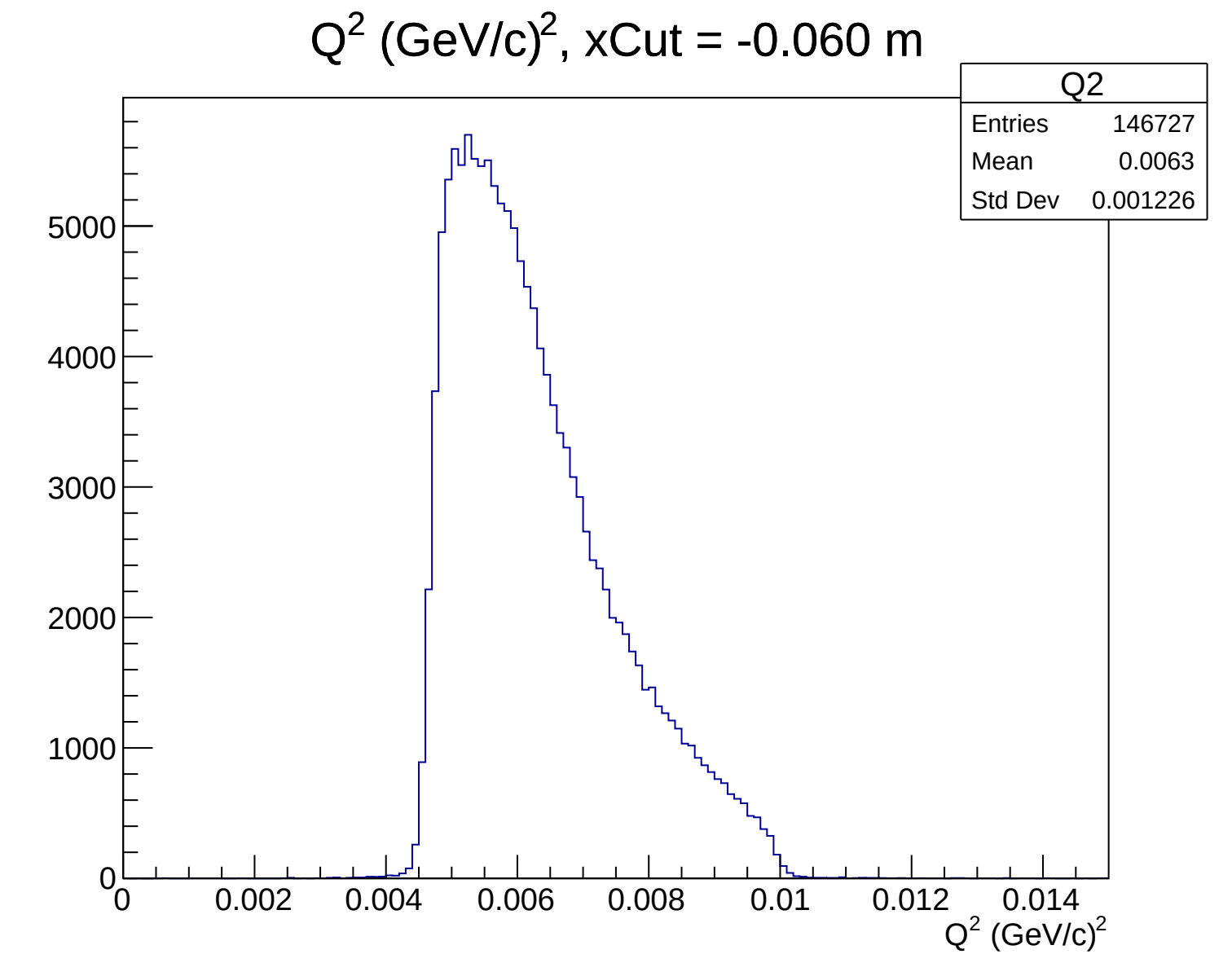

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

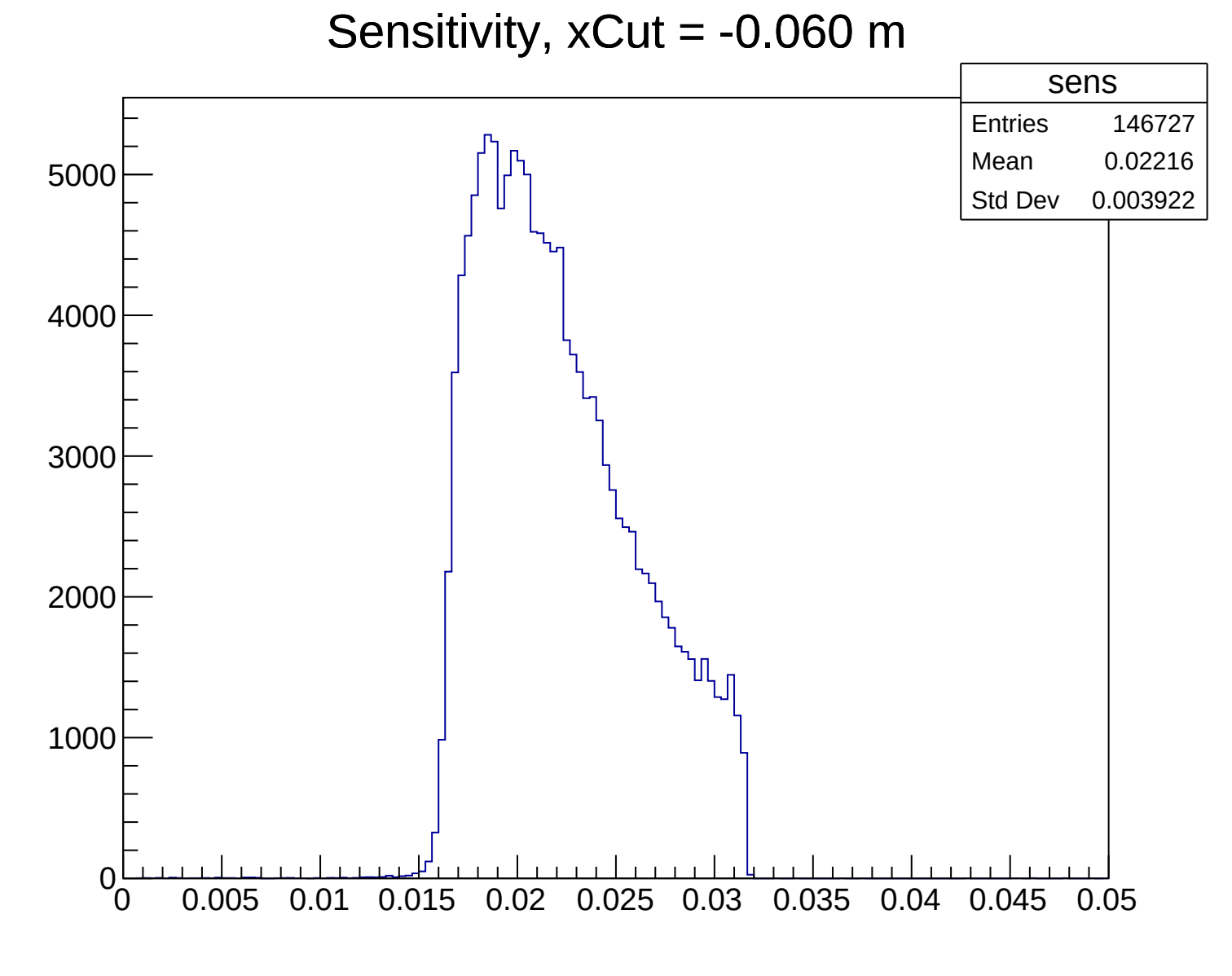

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

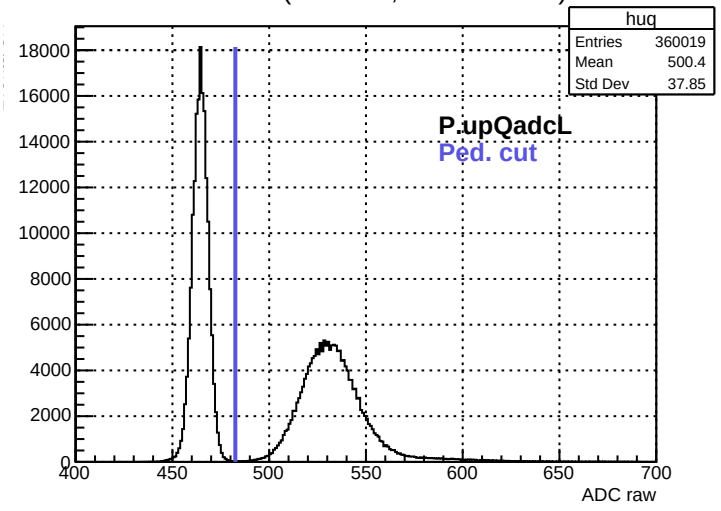

θlab (deg), xCut = -0.060 m
Theta
Entries 146727
Mean 4.776
Std Dev 0.454
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

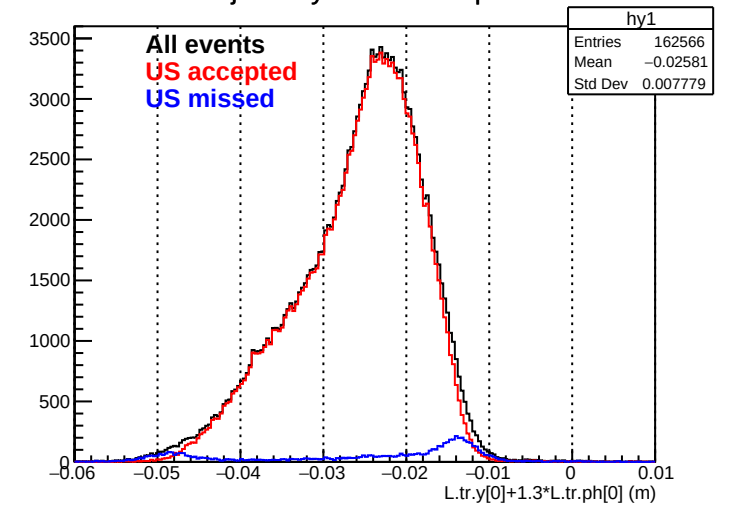

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 146727
Mean 0.5703
Std Dev 0.07538
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

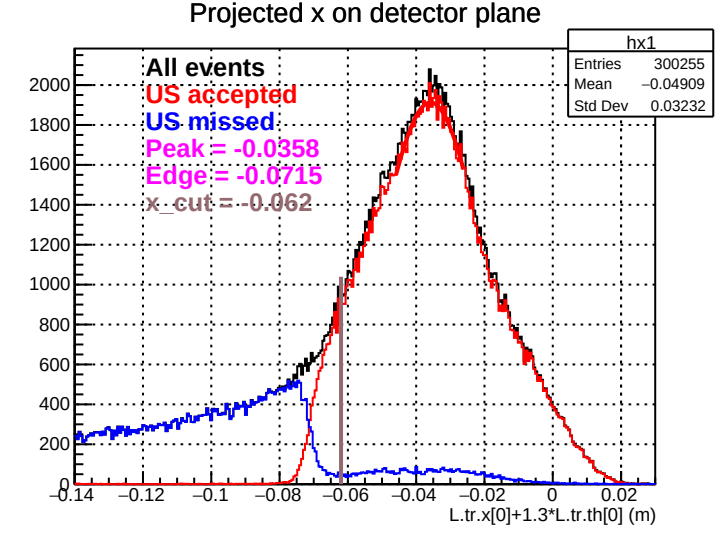

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 146727
Mean 0.5574
Std Dev 0.07159
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

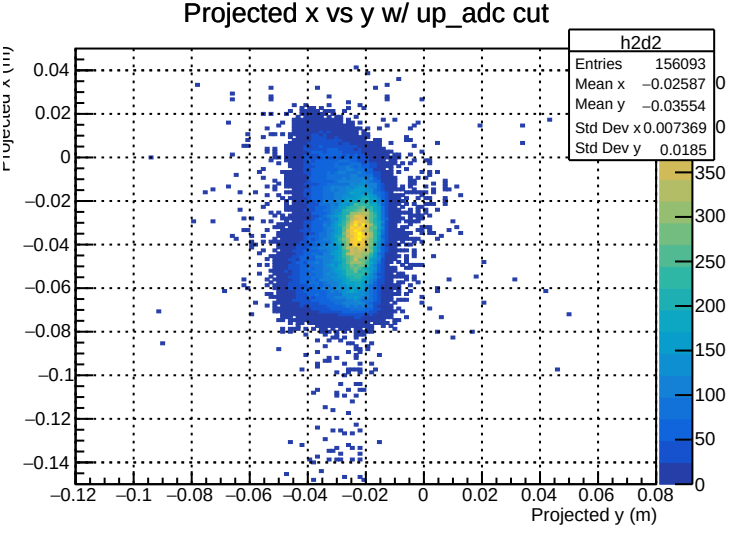

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 146727
Mean 0.0063
Std Dev 0.001226
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

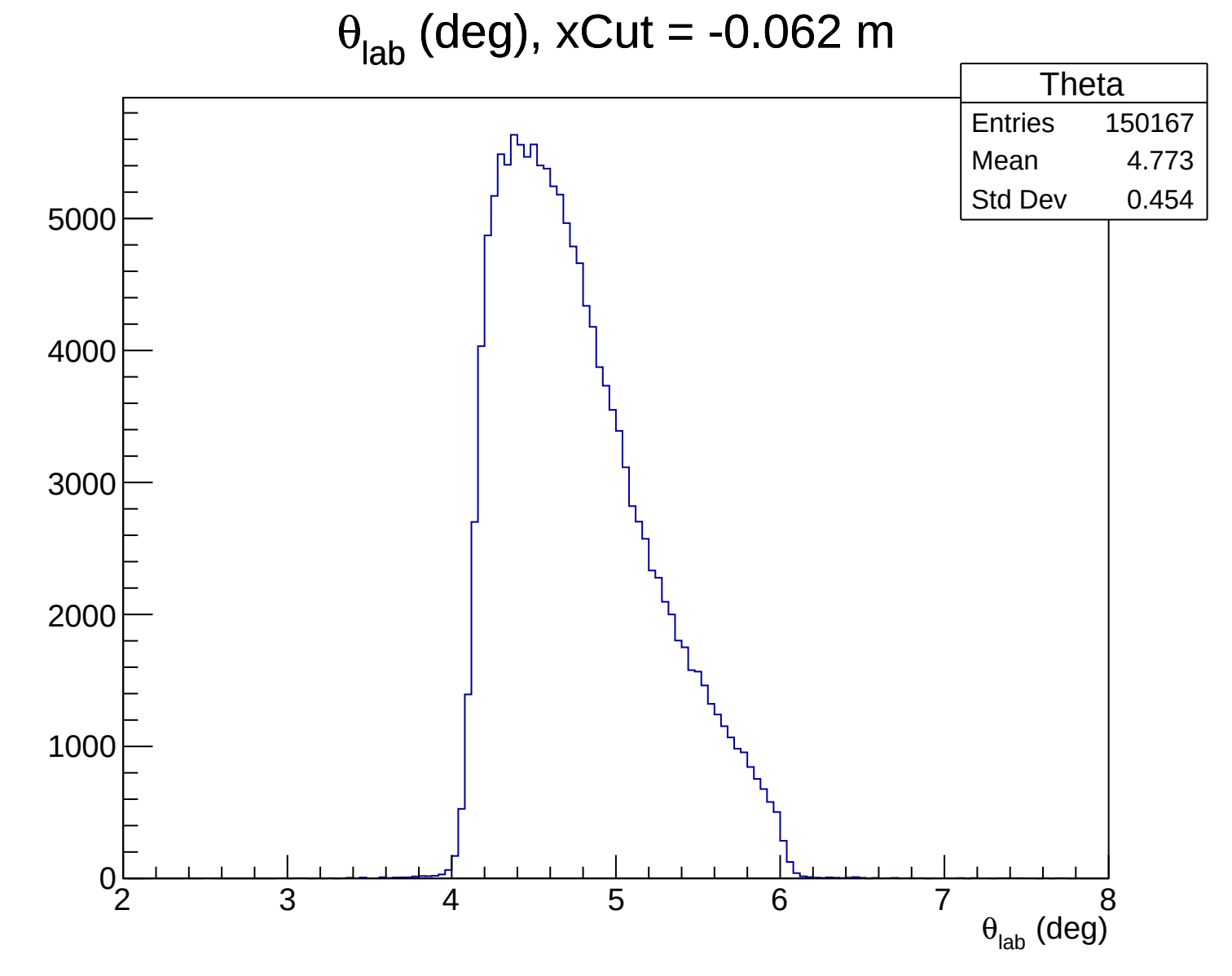

Sensitivity, xCut = -0.060 m
sens
Entries 146727
Mean 0.02216
Std Dev 0.003922
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

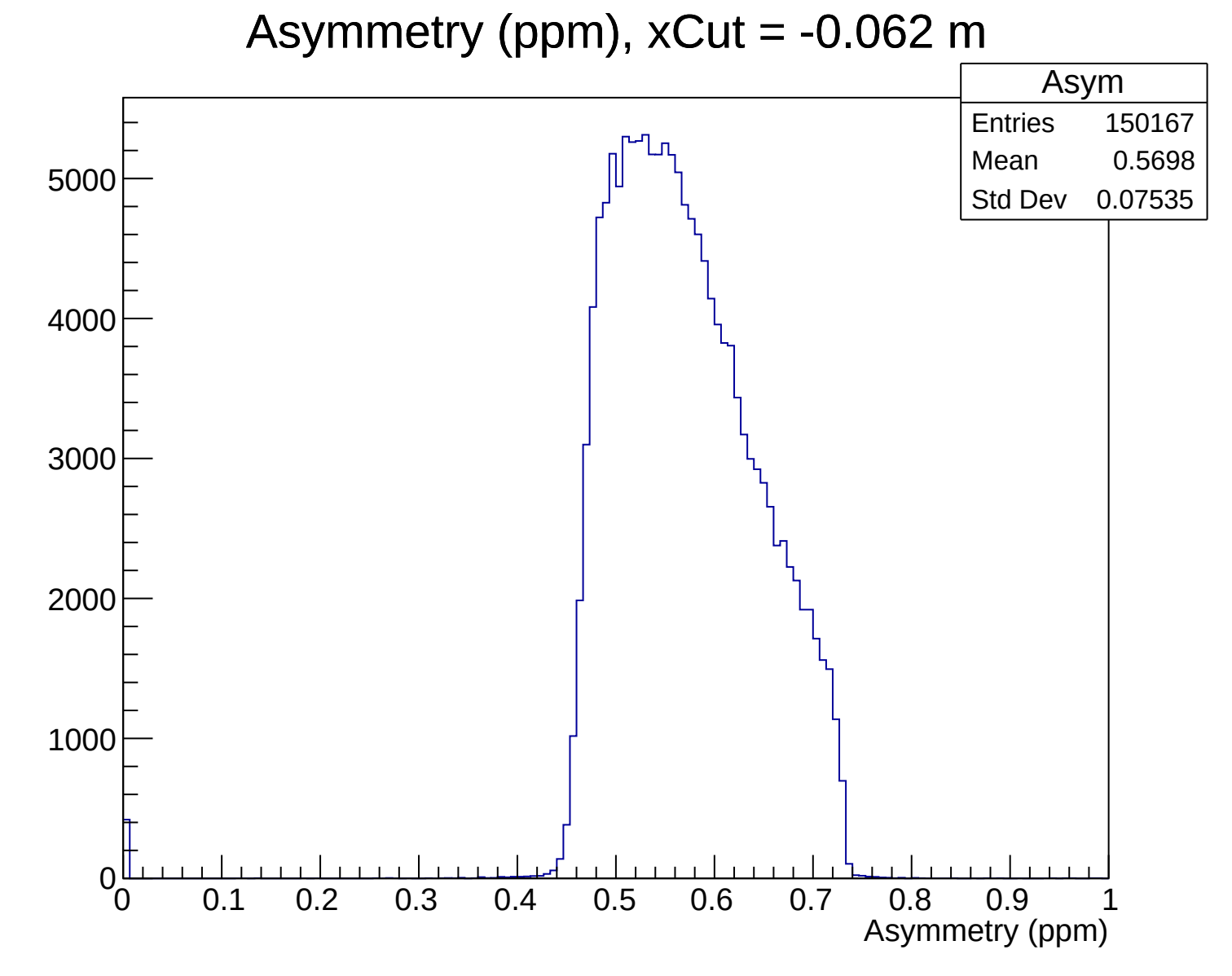

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

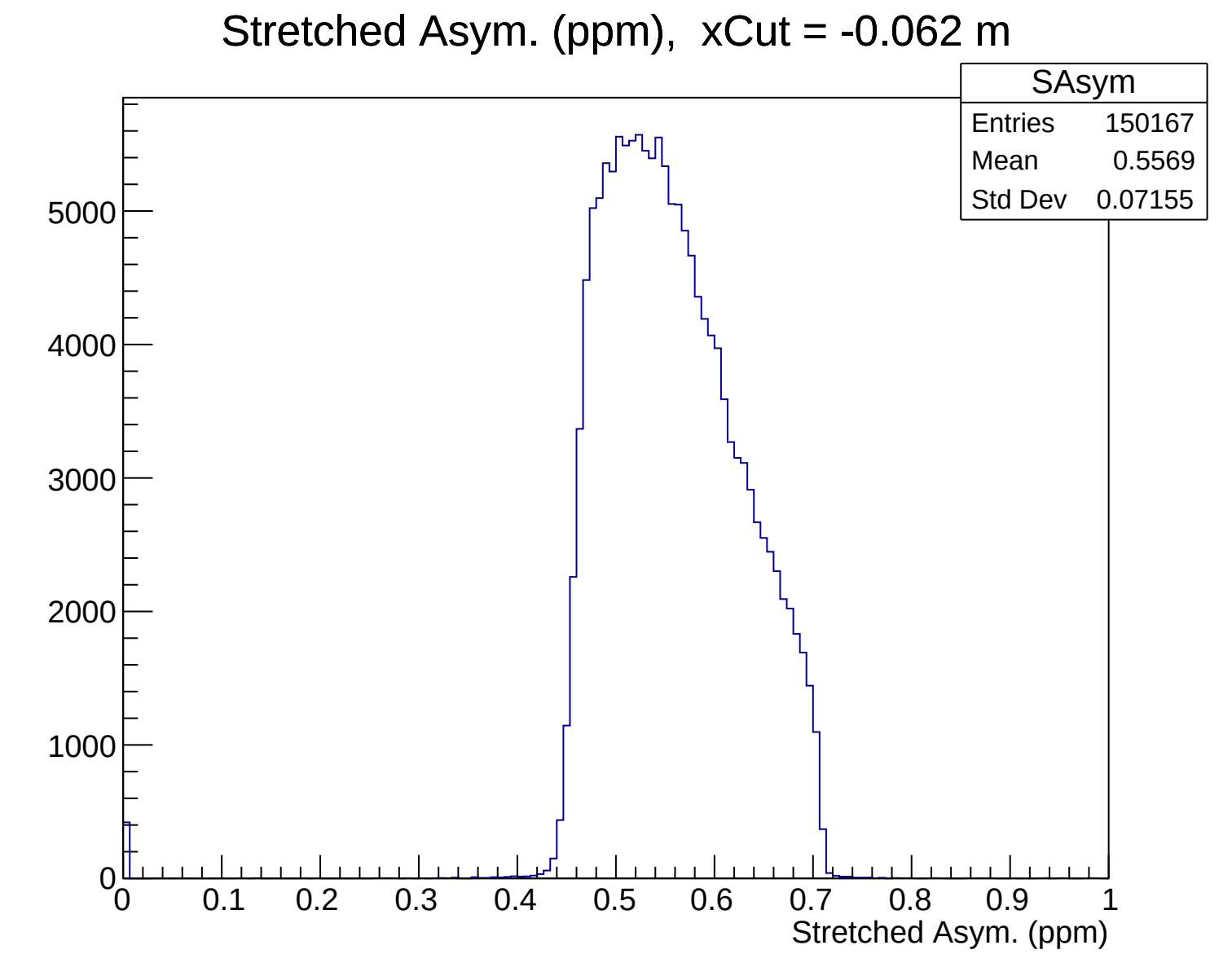

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

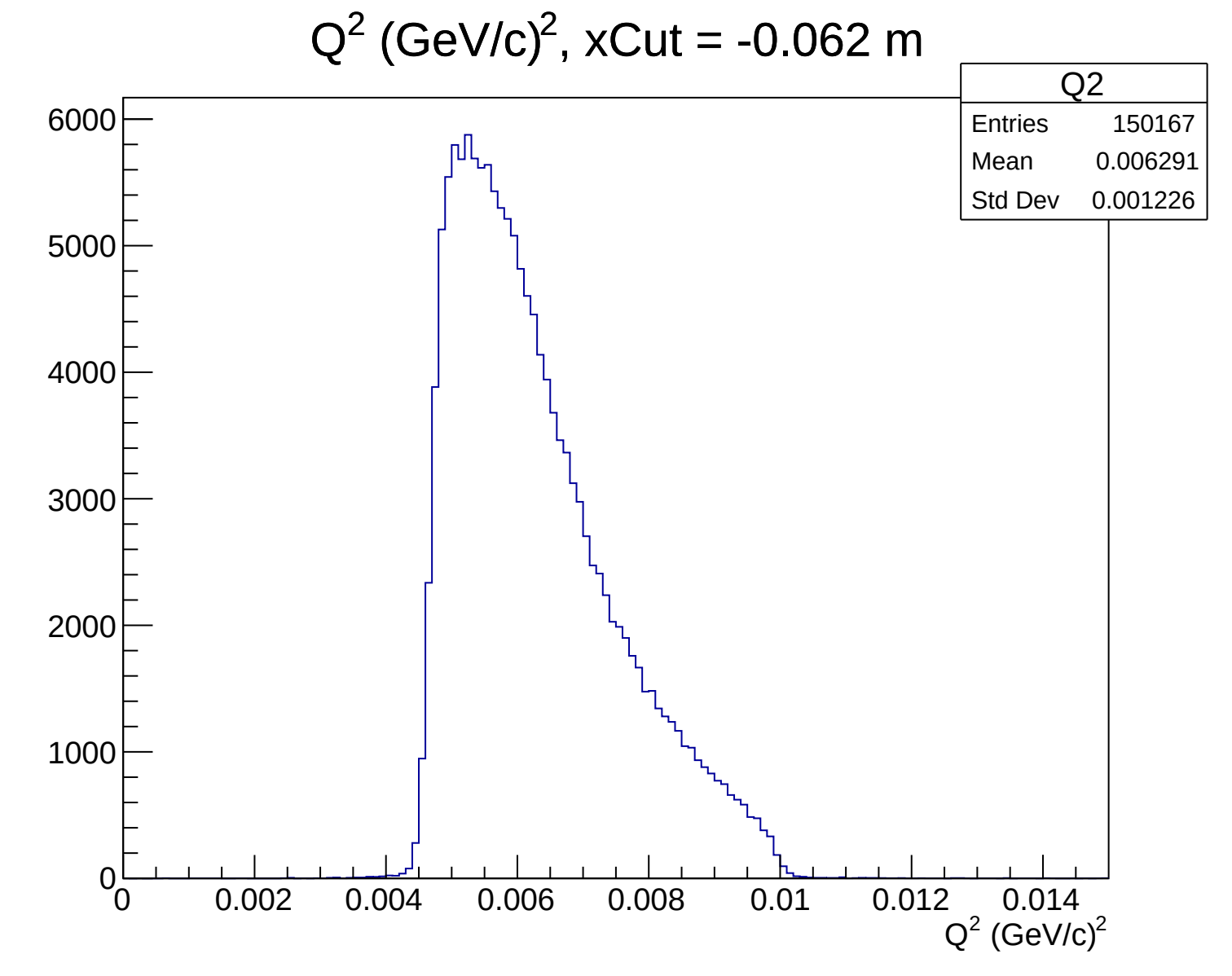

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

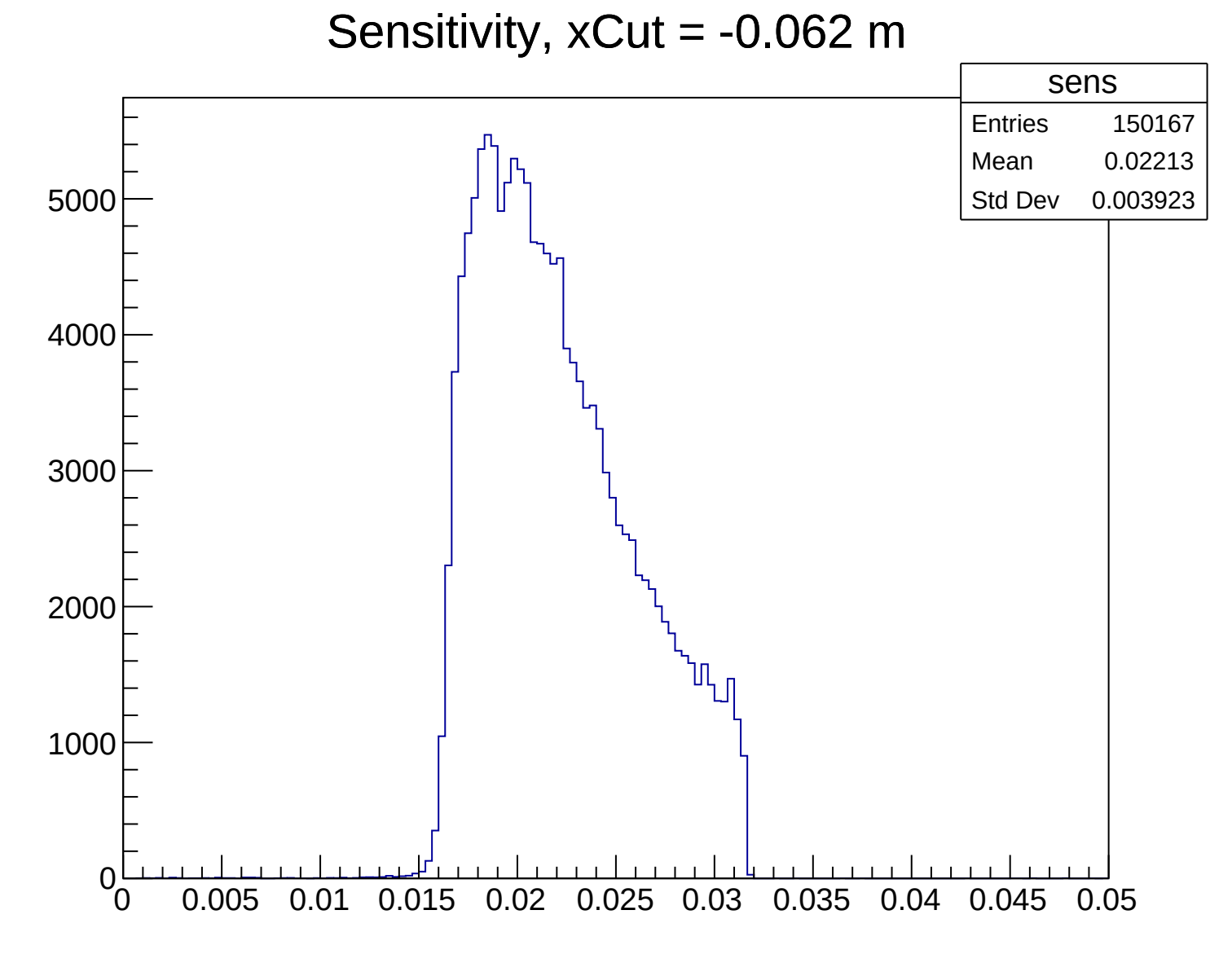

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

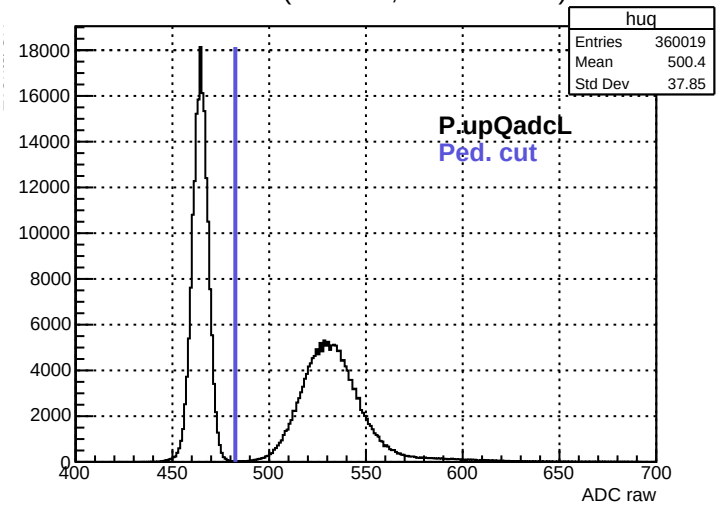

θlab (deg), xCut = -0.062 m
Theta
Entries 150167
Mean 4.773
Std Dev 0.454
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

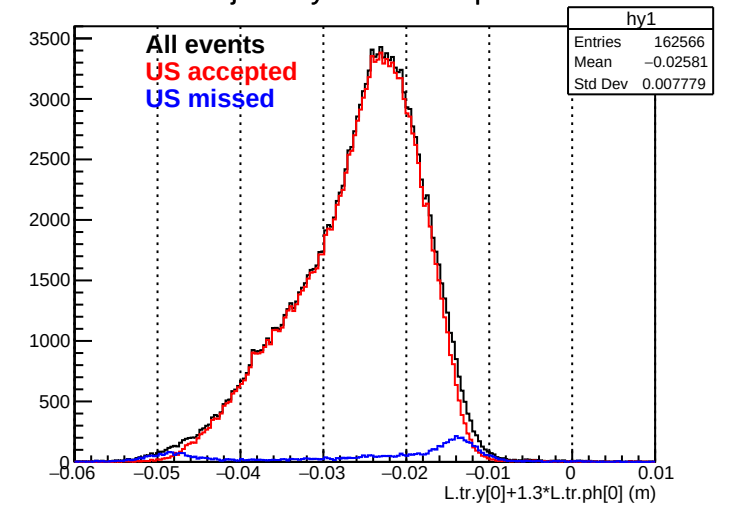

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 150167
Mean 0.5698
Std Dev 0.07535
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

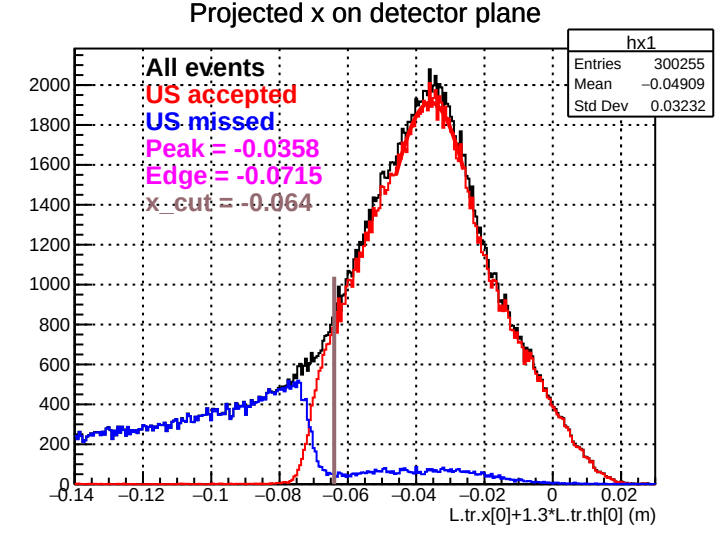

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 150167
Mean 0.5569
Std Dev 0.07155
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

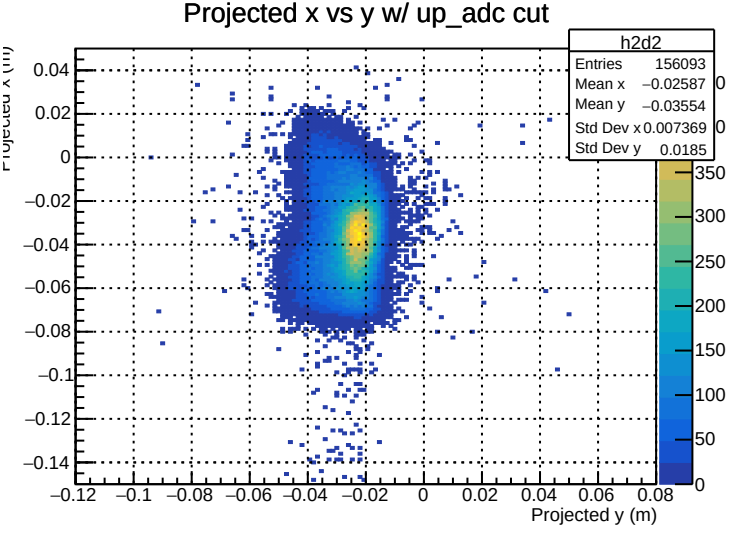

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 150167
Mean 0.006291
Std Dev 0.001226
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

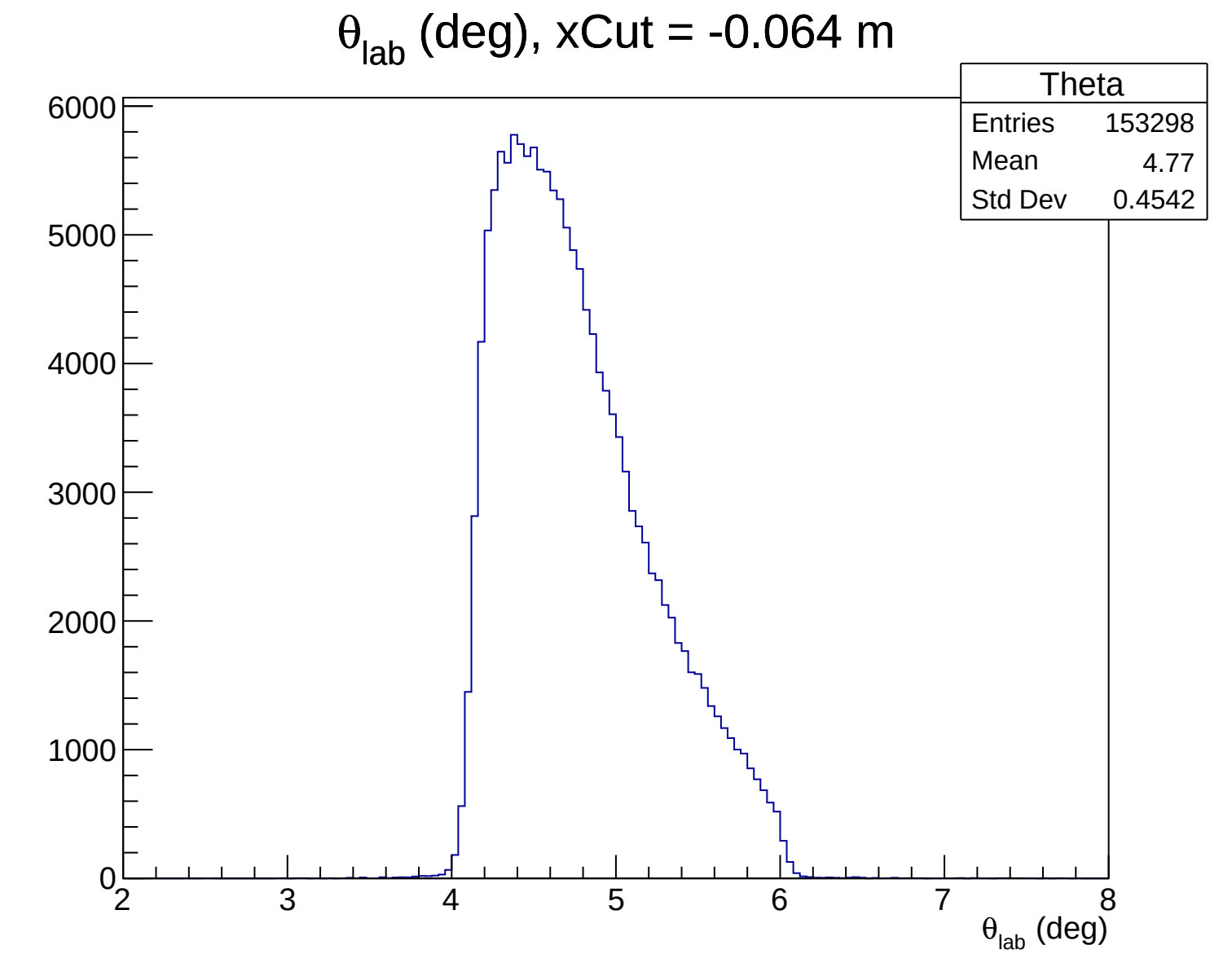

Sensitivity, xCut = -0.062 m
sens
Entries 150167
Mean 0.02213
Std Dev 0.003923
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

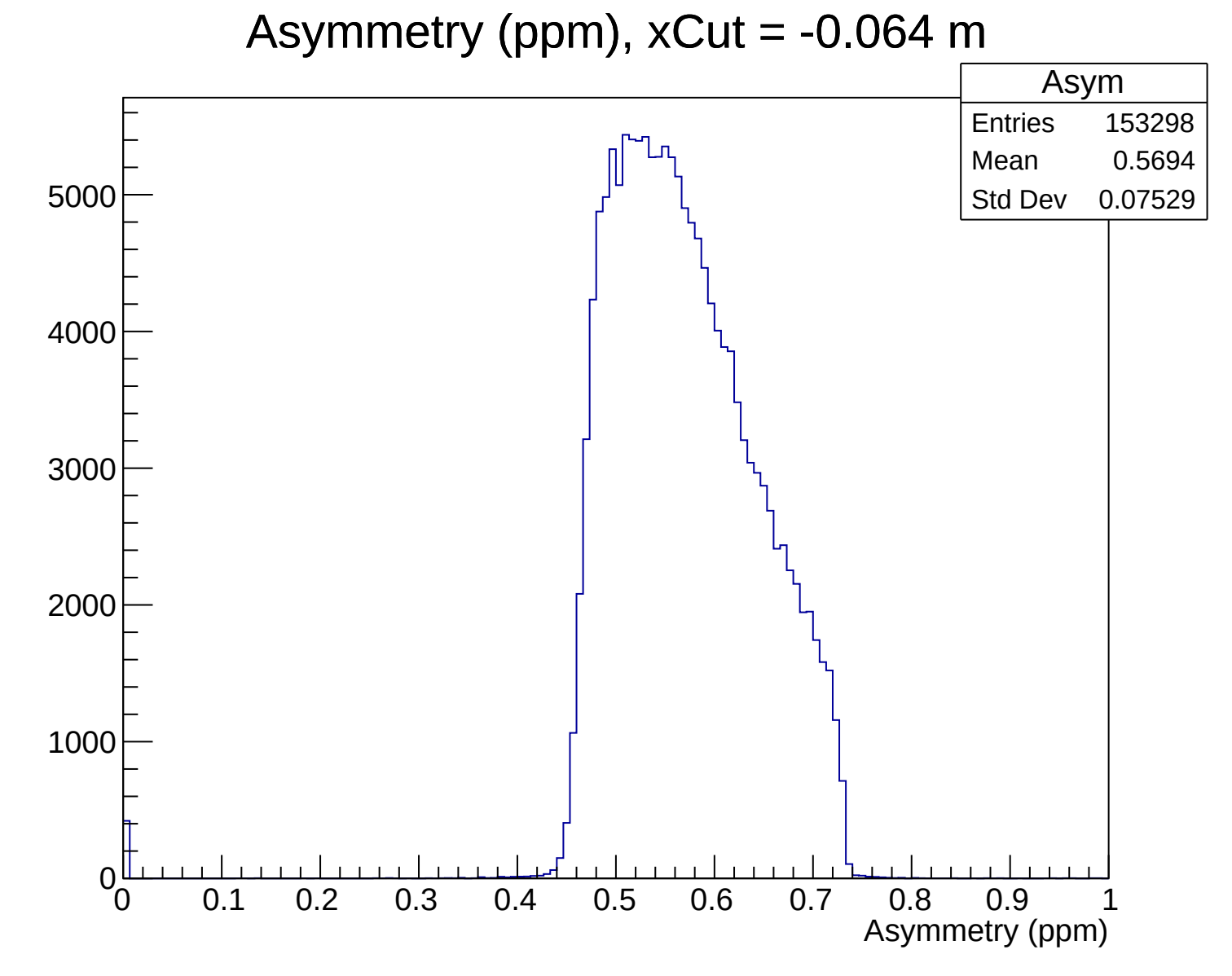

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

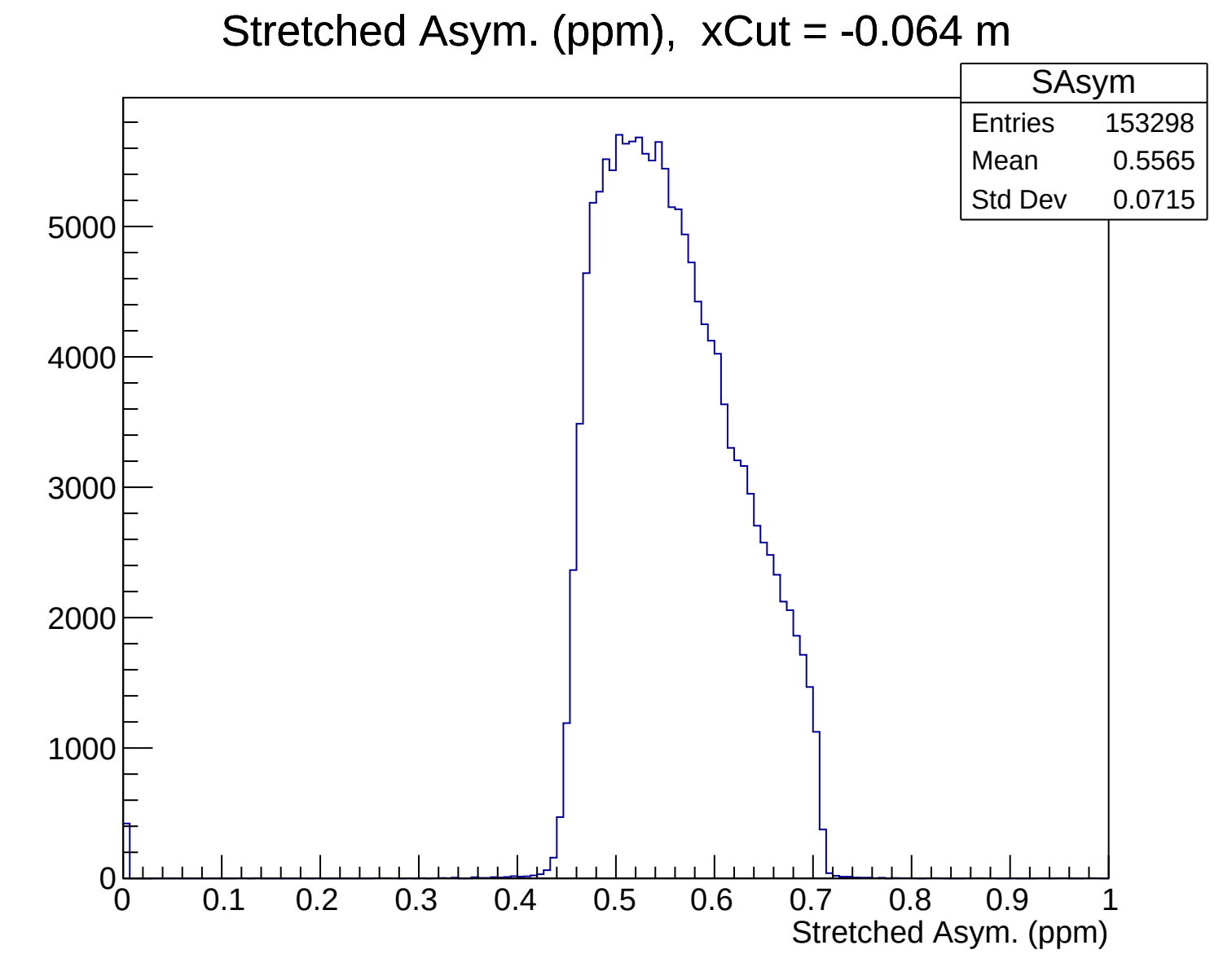

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

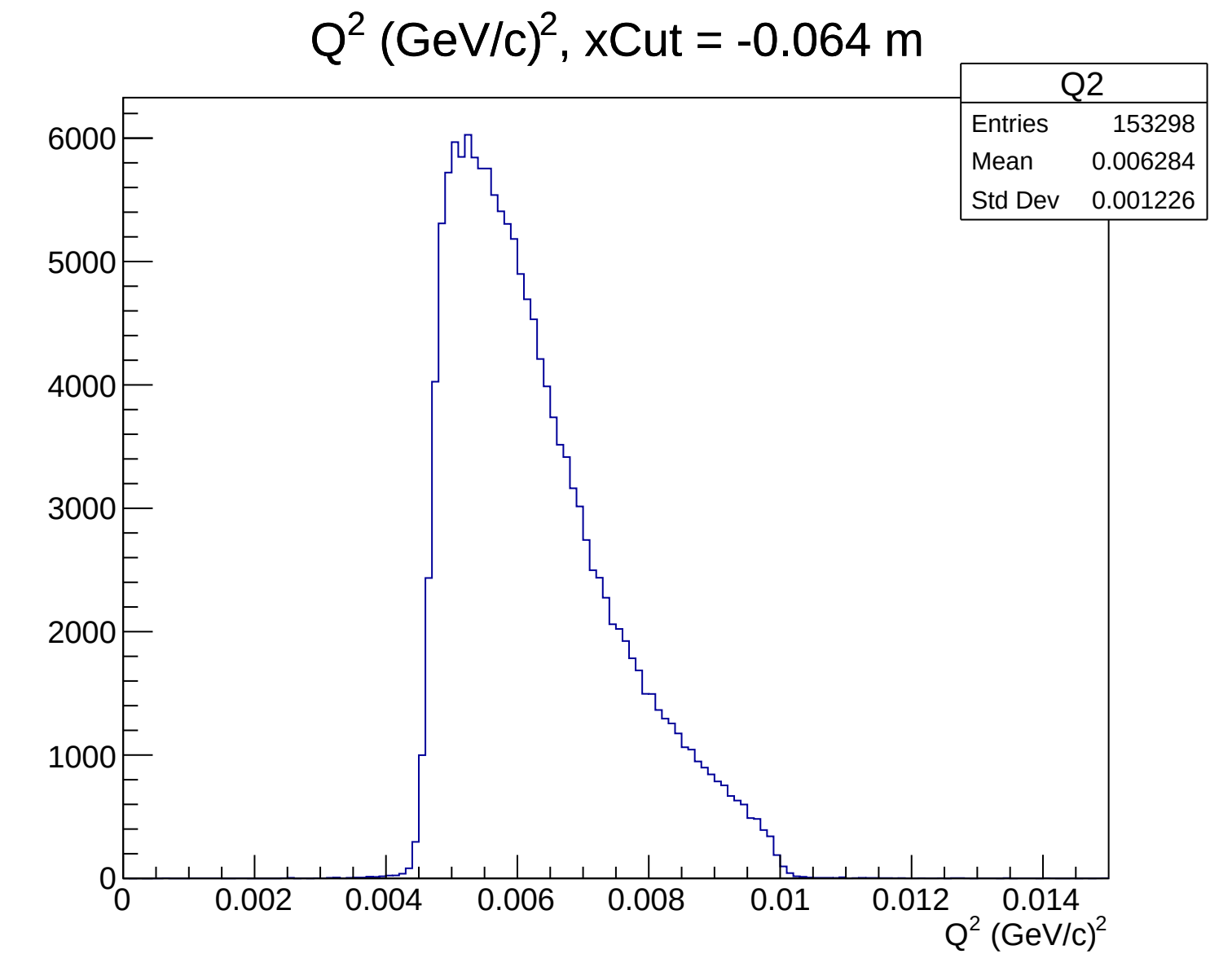

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

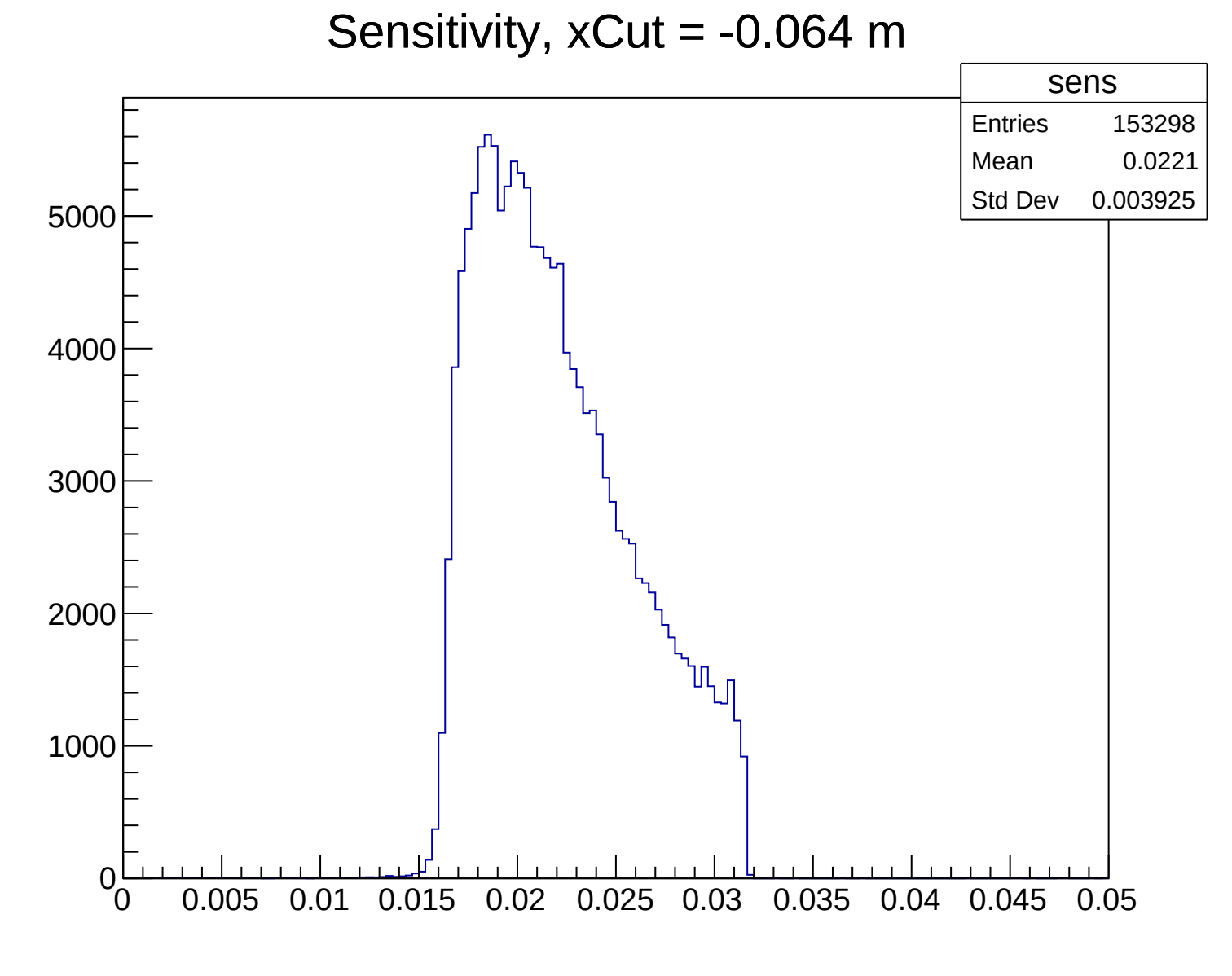

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

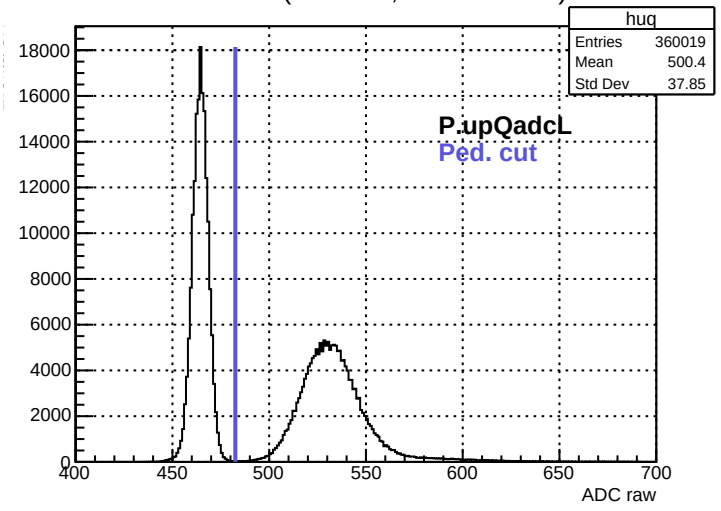

θlab (deg), xCut = -0.064 m
Theta
Entries 153298
Mean 4.77
Std Dev 0.4542
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

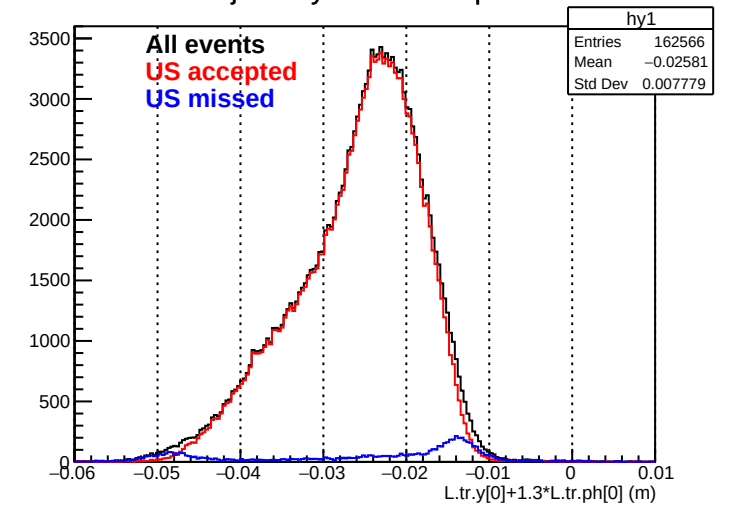

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 153298
Mean 0.5694
Std Dev 0.07529
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

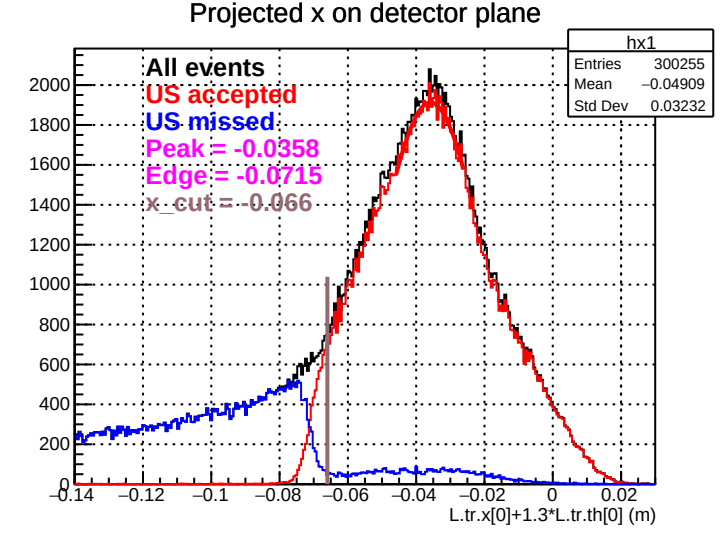

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 153298
Mean 0.5565
Std Dev 0.0715
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

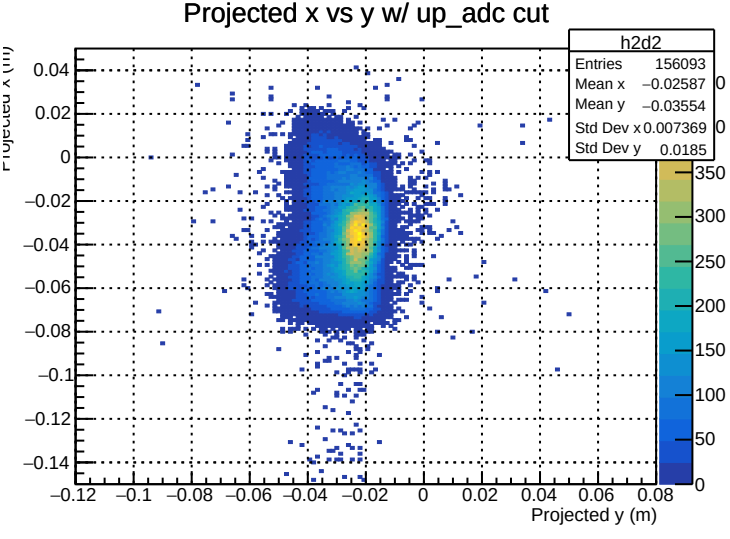

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 153298
Mean 0.006284
Std Dev 0.001226
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

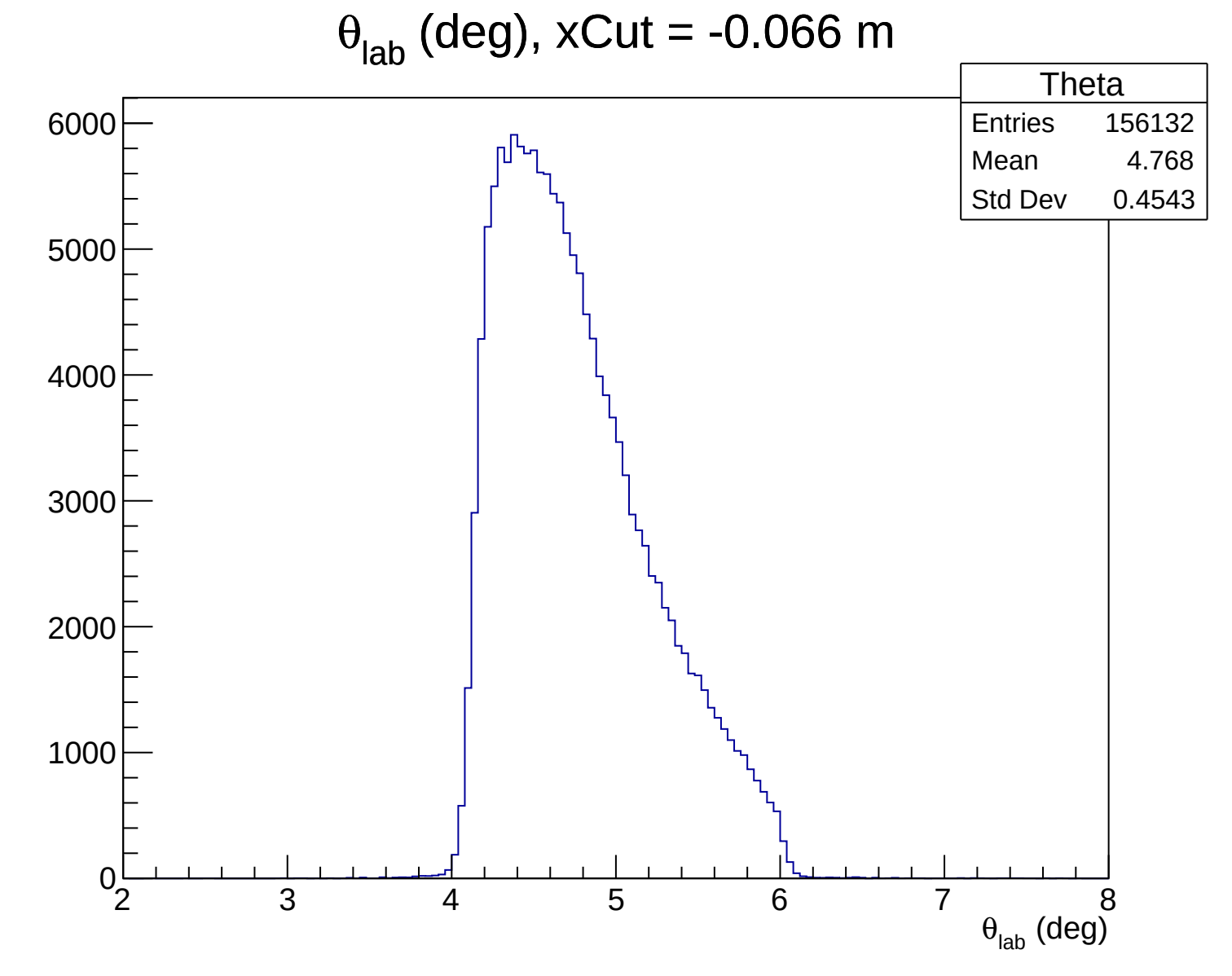

Sensitivity, xCut = -0.064 m
sens
Entries 153298
Mean 0.0221
Std Dev 0.003925
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

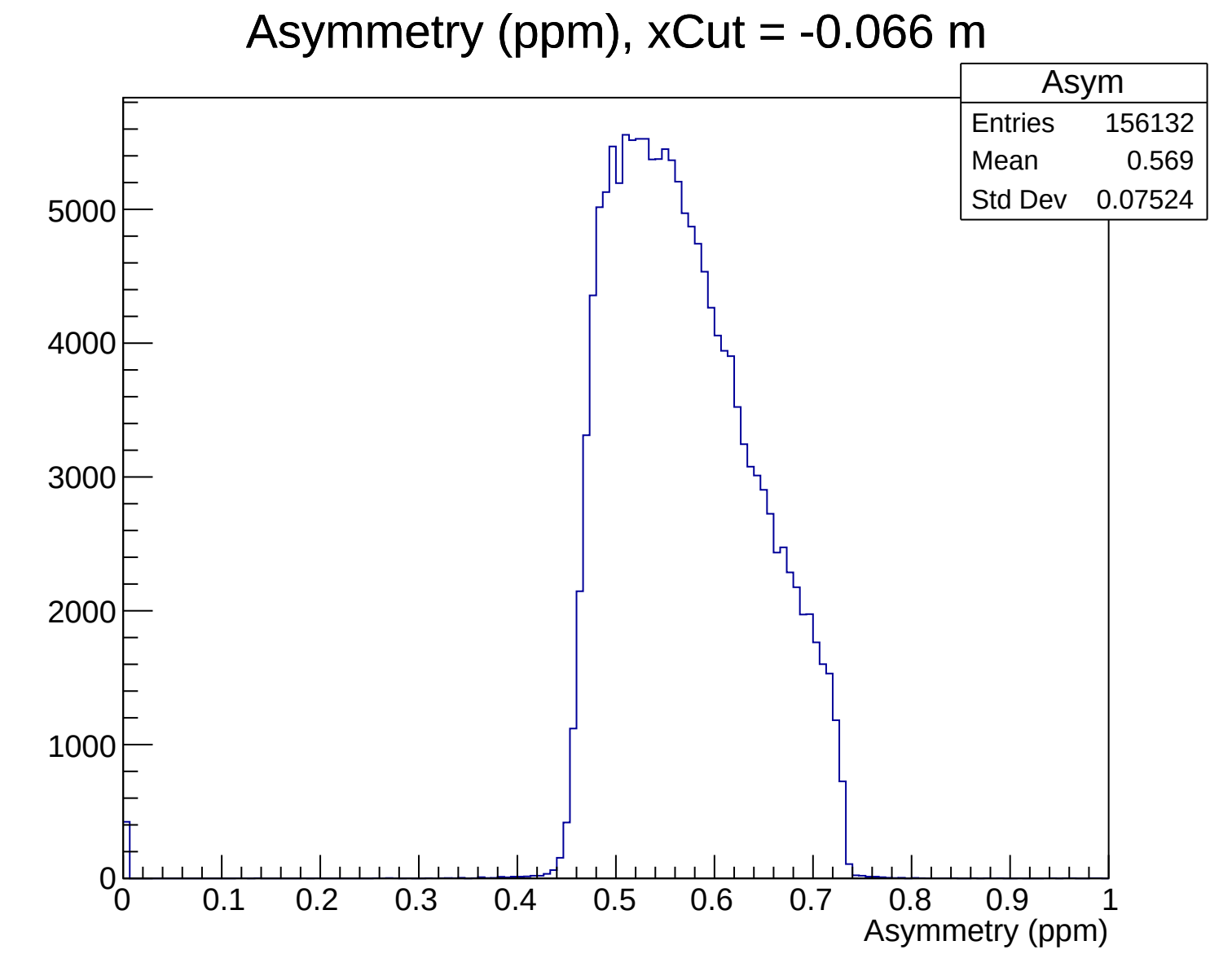

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

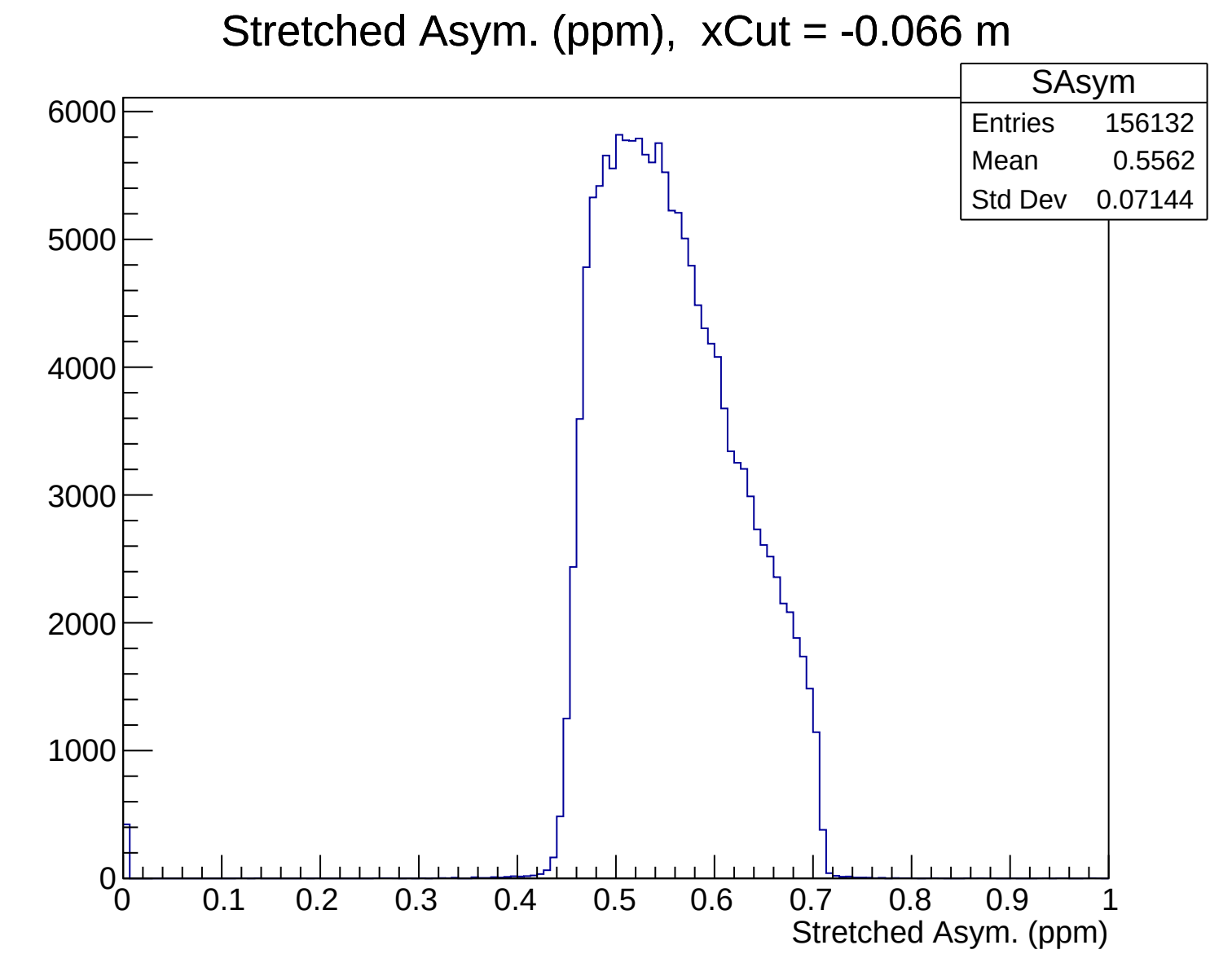

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

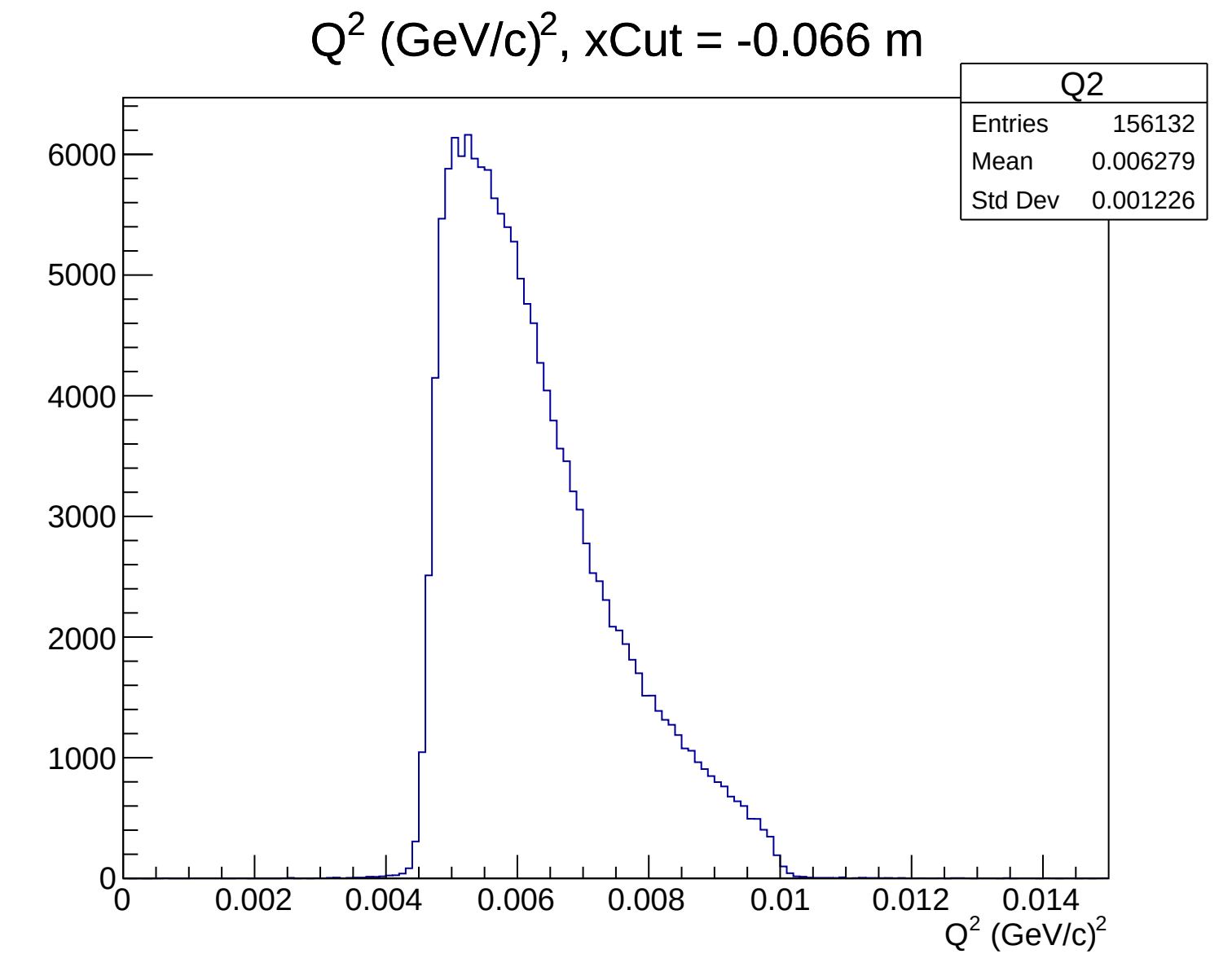

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.066
L.tr.x[0]+1.3*L.tr.th[0] (m)

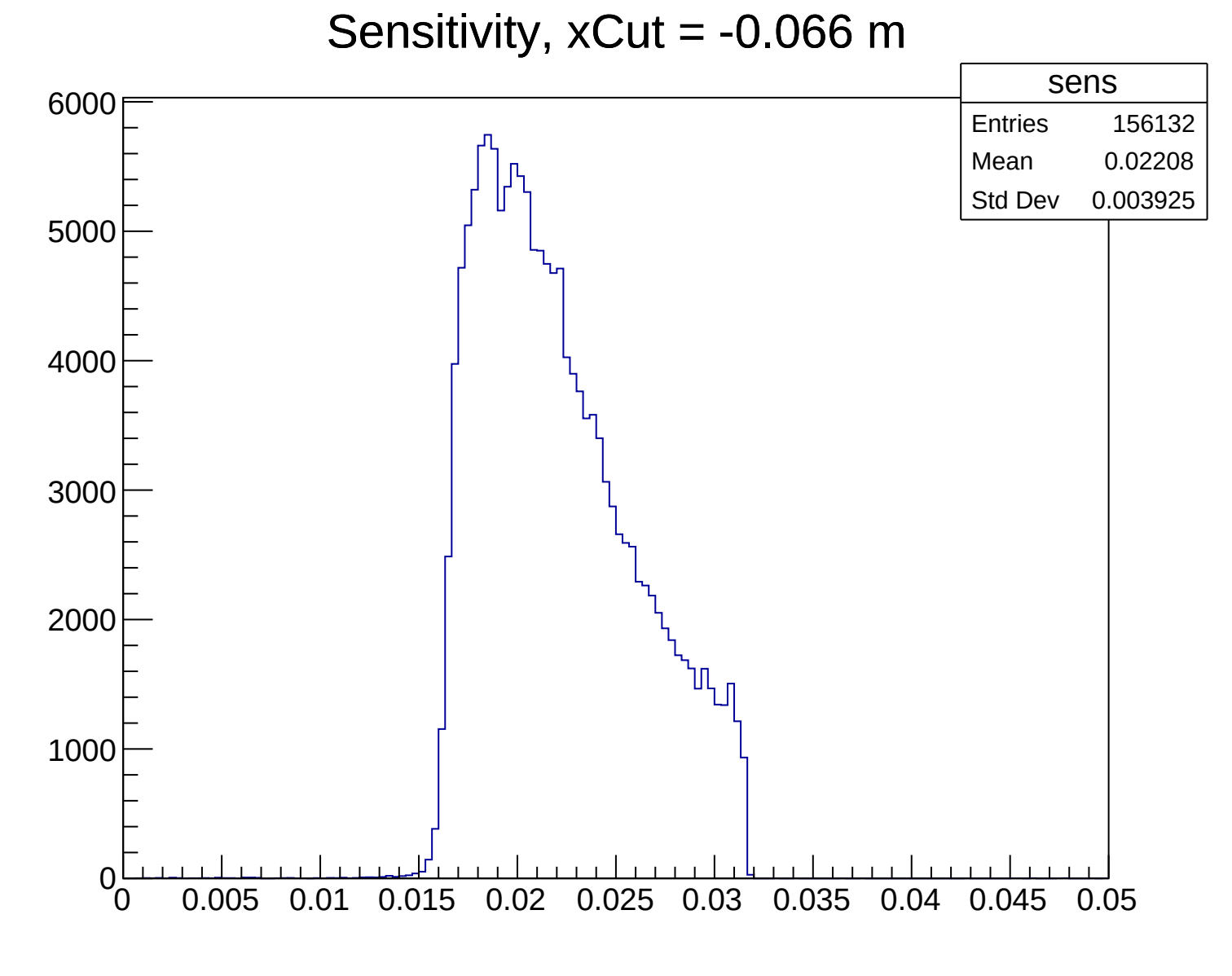

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

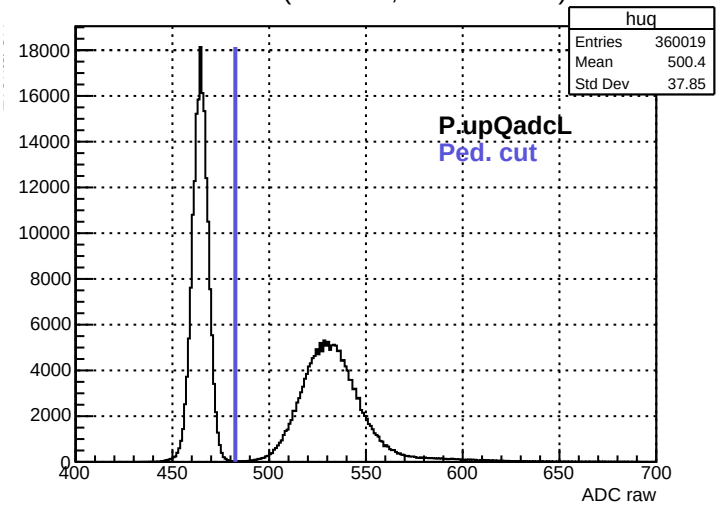

θlab (deg), xCut = -0.066 m
Theta
Entries 156132
Mean 4.768
Std Dev 0.4543
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

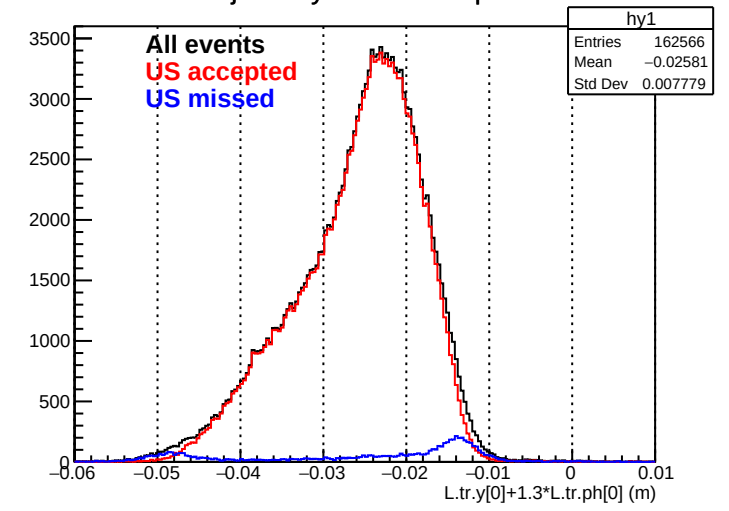

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 156132
Mean 0.569
Std Dev 0.07524
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

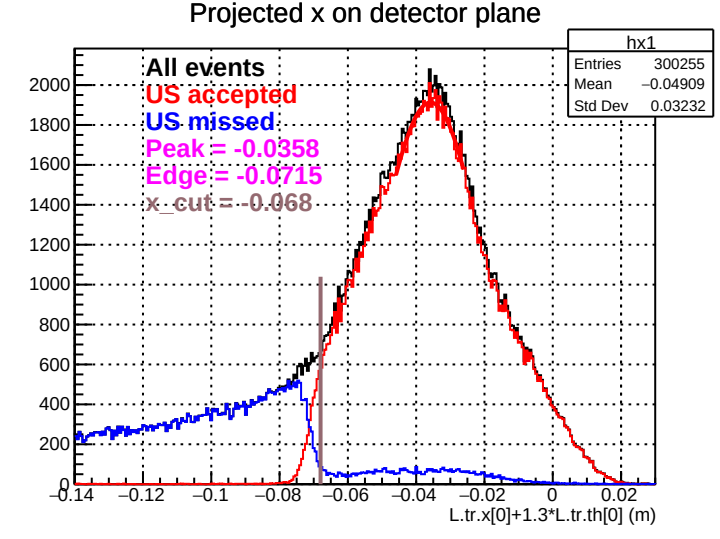

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 156132
Mean 0.5562
Std Dev 0.07144
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

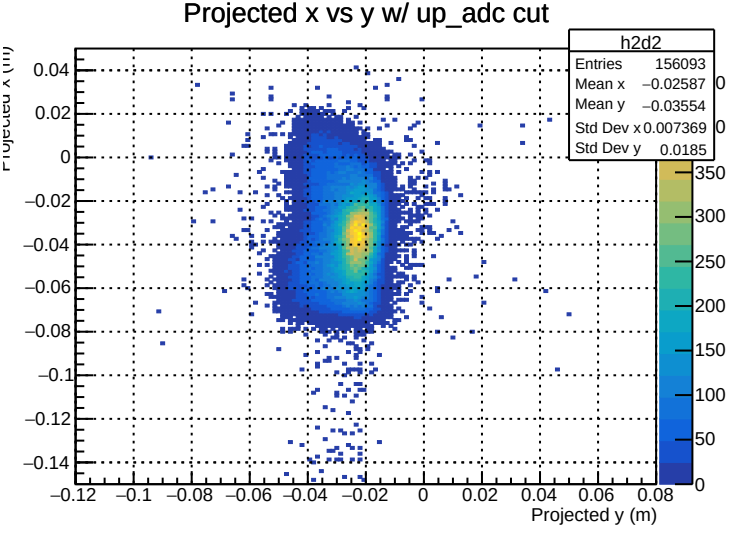

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 156132
Mean 0.006279
Std Dev 0.001226
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

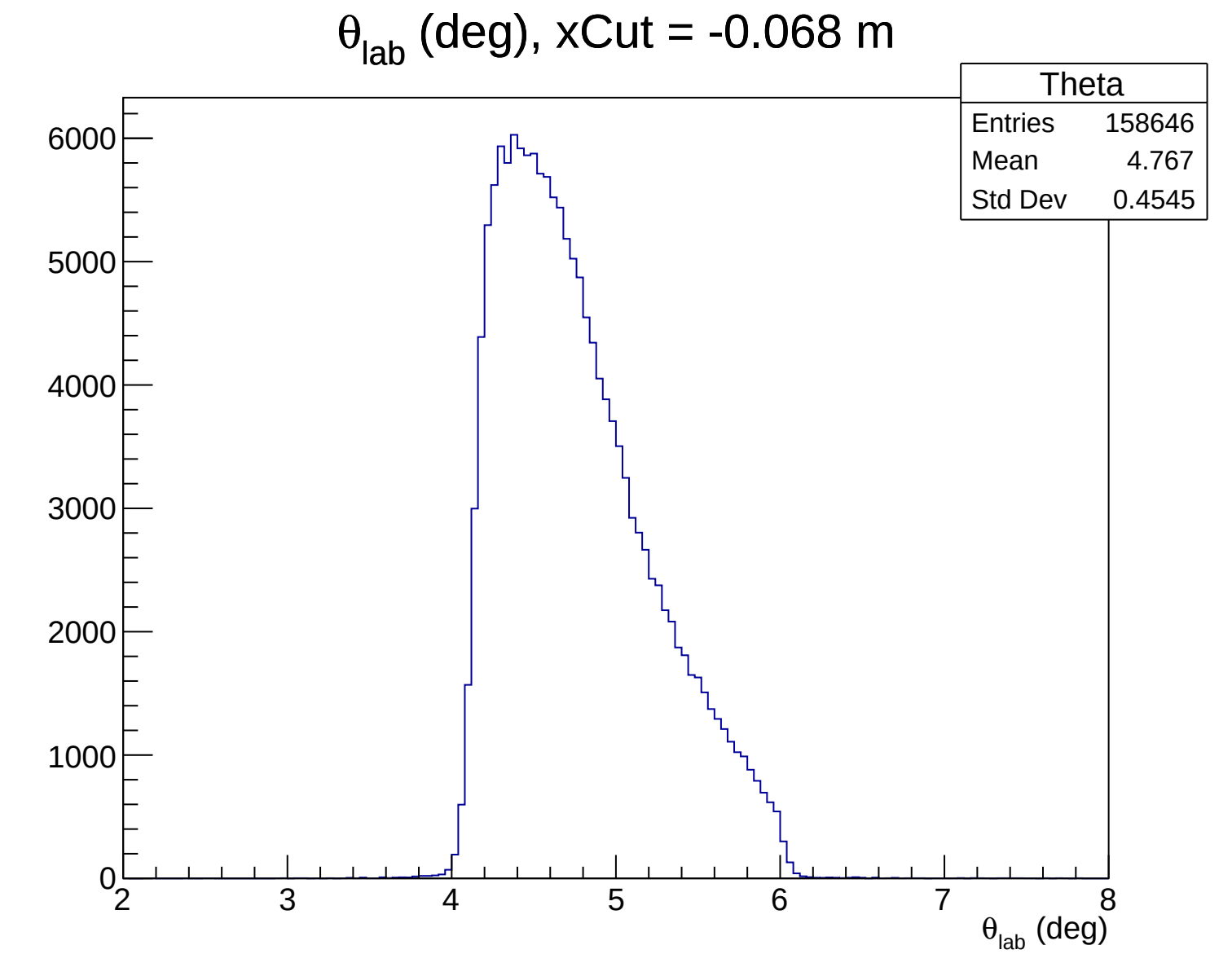

Sensitivity, xCut = -0.066 m
sens
Entries 156132
Mean 0.02208
Std Dev 0.003925
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

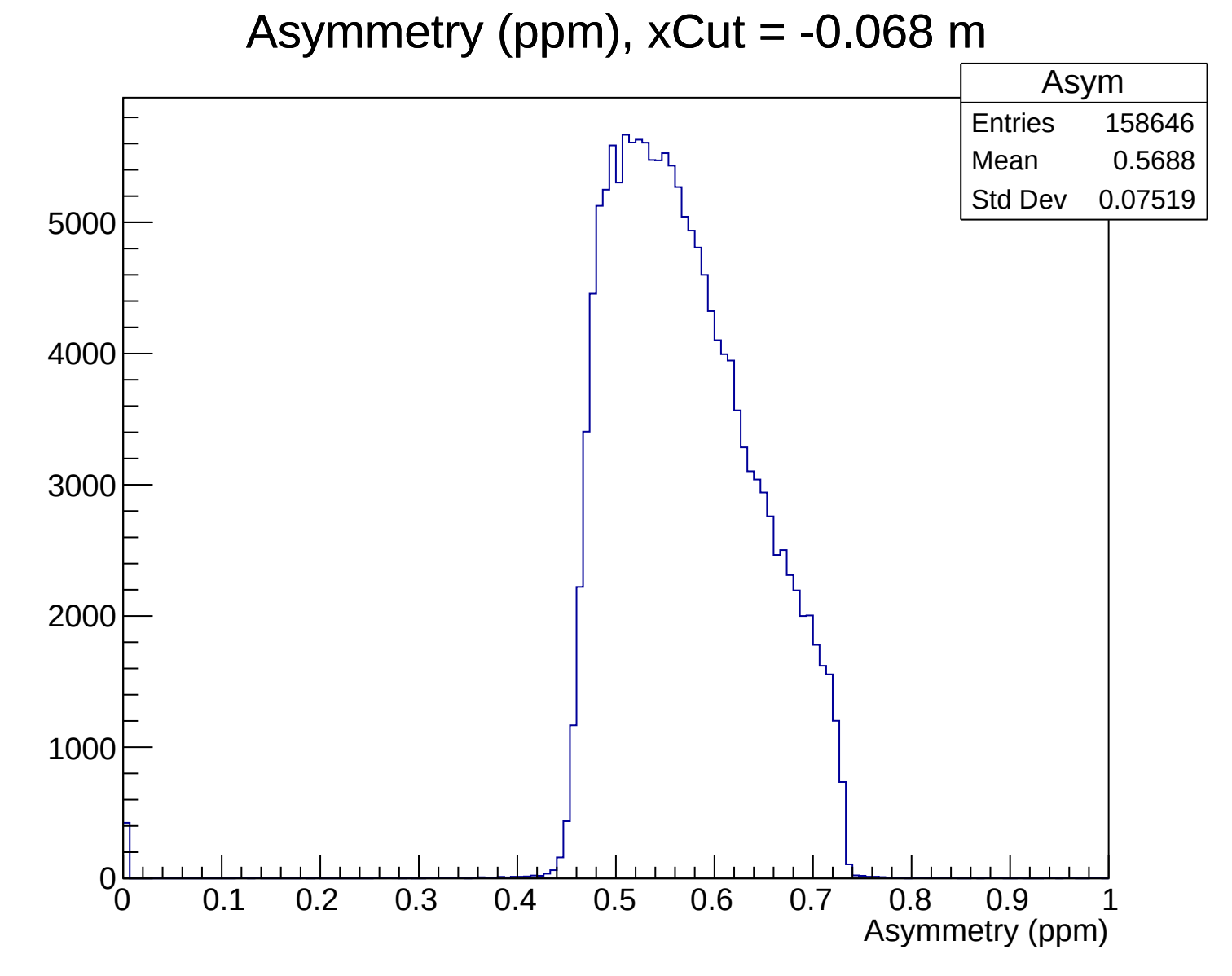

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

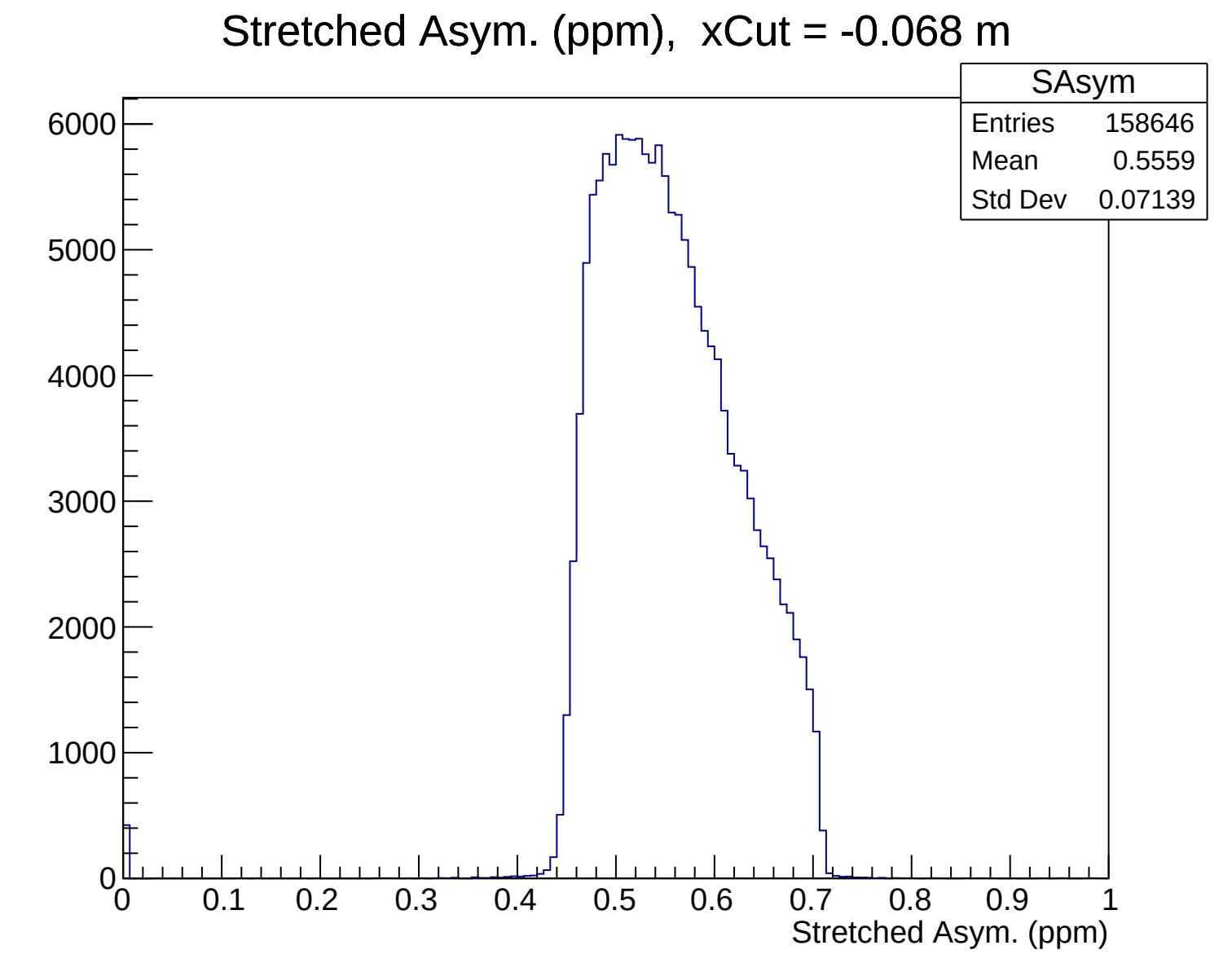

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

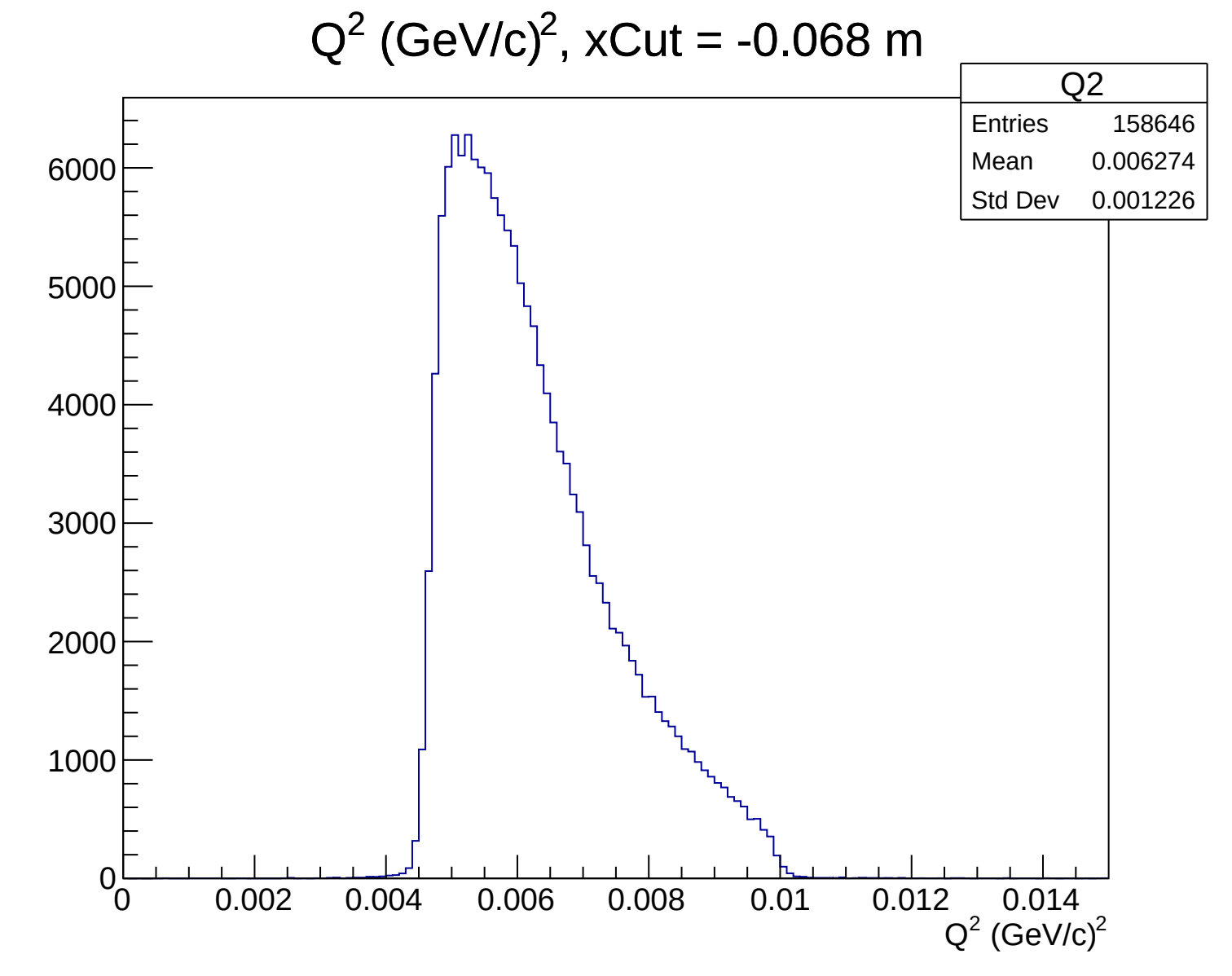

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

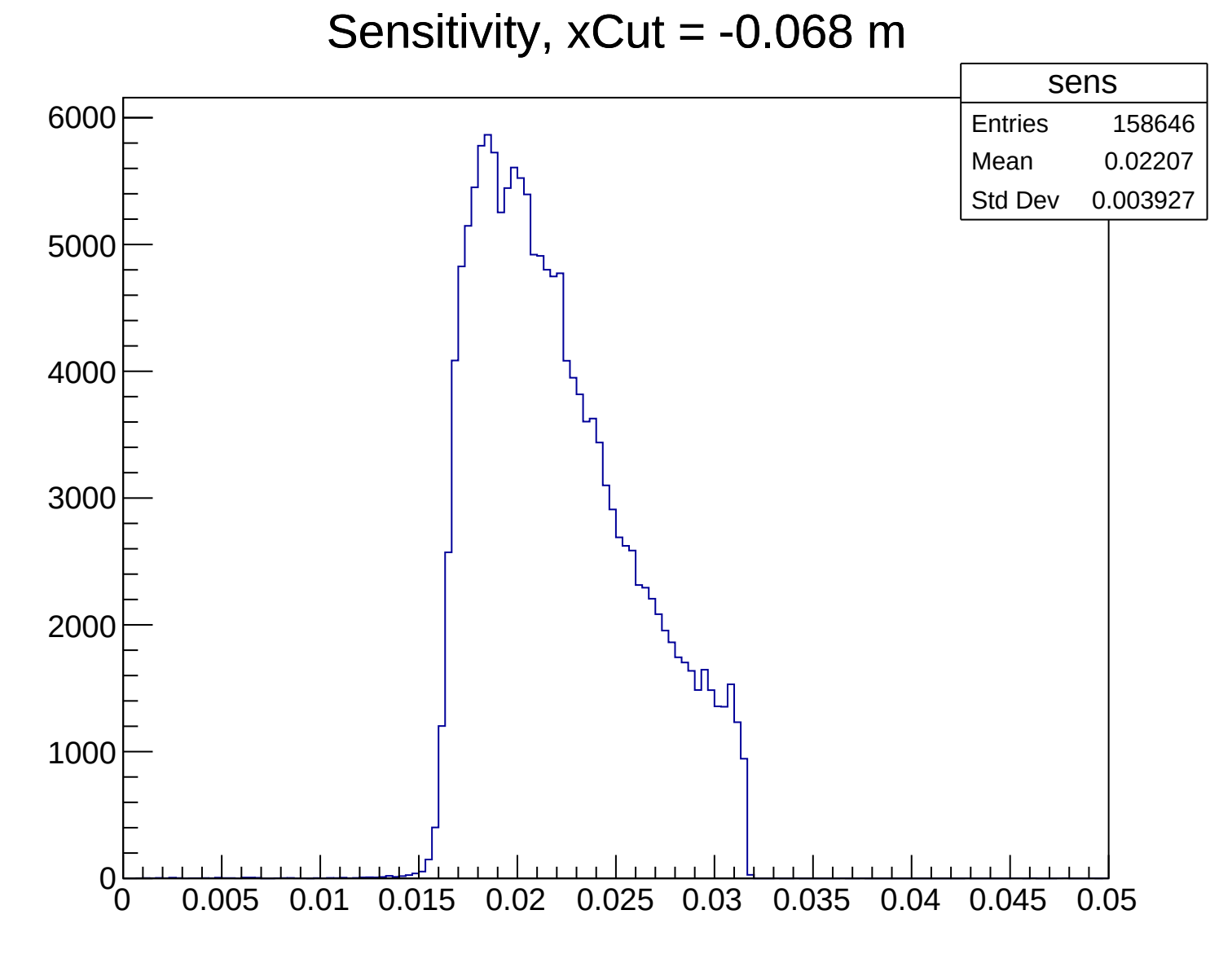

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

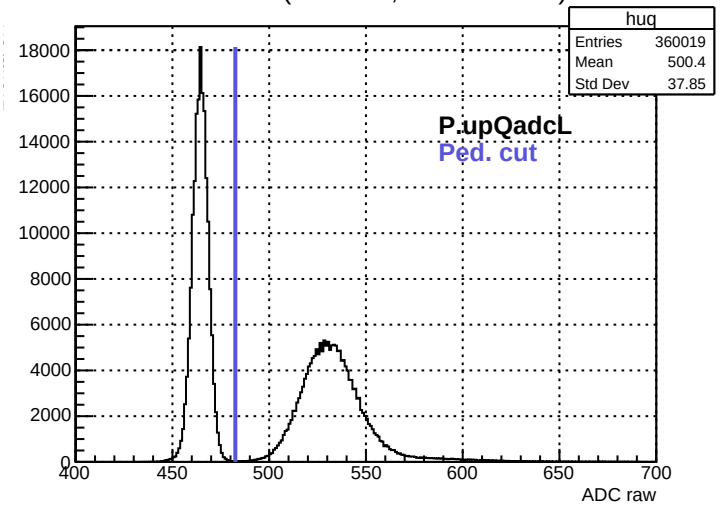

θlab (deg), xCut = -0.068 m
Theta
Entries 158646
Mean 4.767
Std Dev 0.4545
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

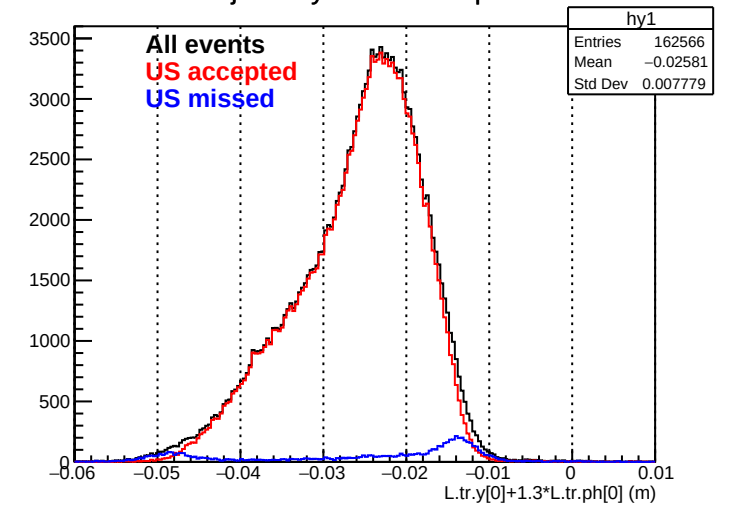

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 158646
Mean 0.5688
Std Dev 0.07519
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

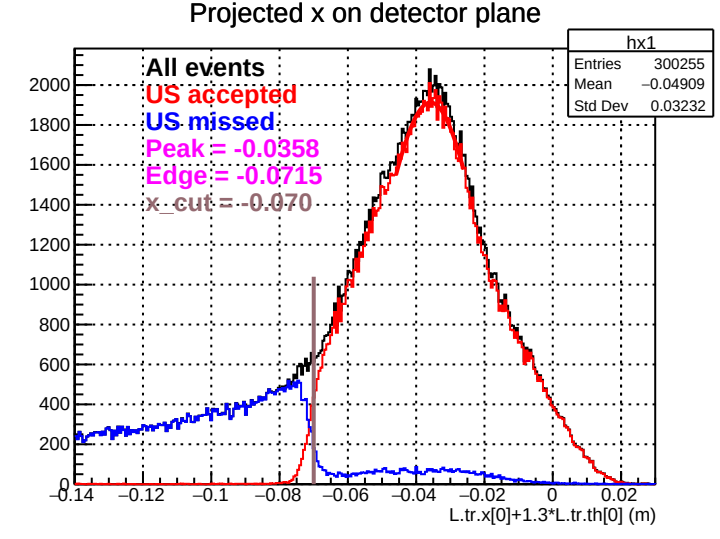

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 158646
Mean 0.5559
Std Dev 0.07139
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

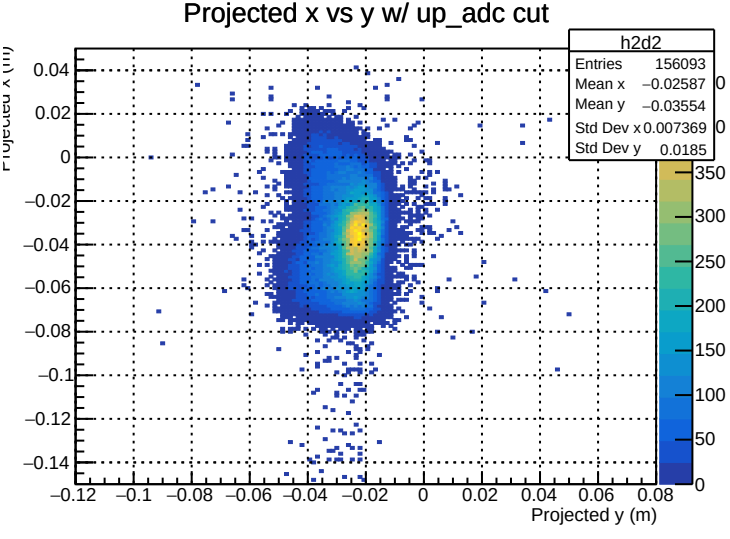

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 158646
Mean 0.006274
Std Dev 0.001226
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

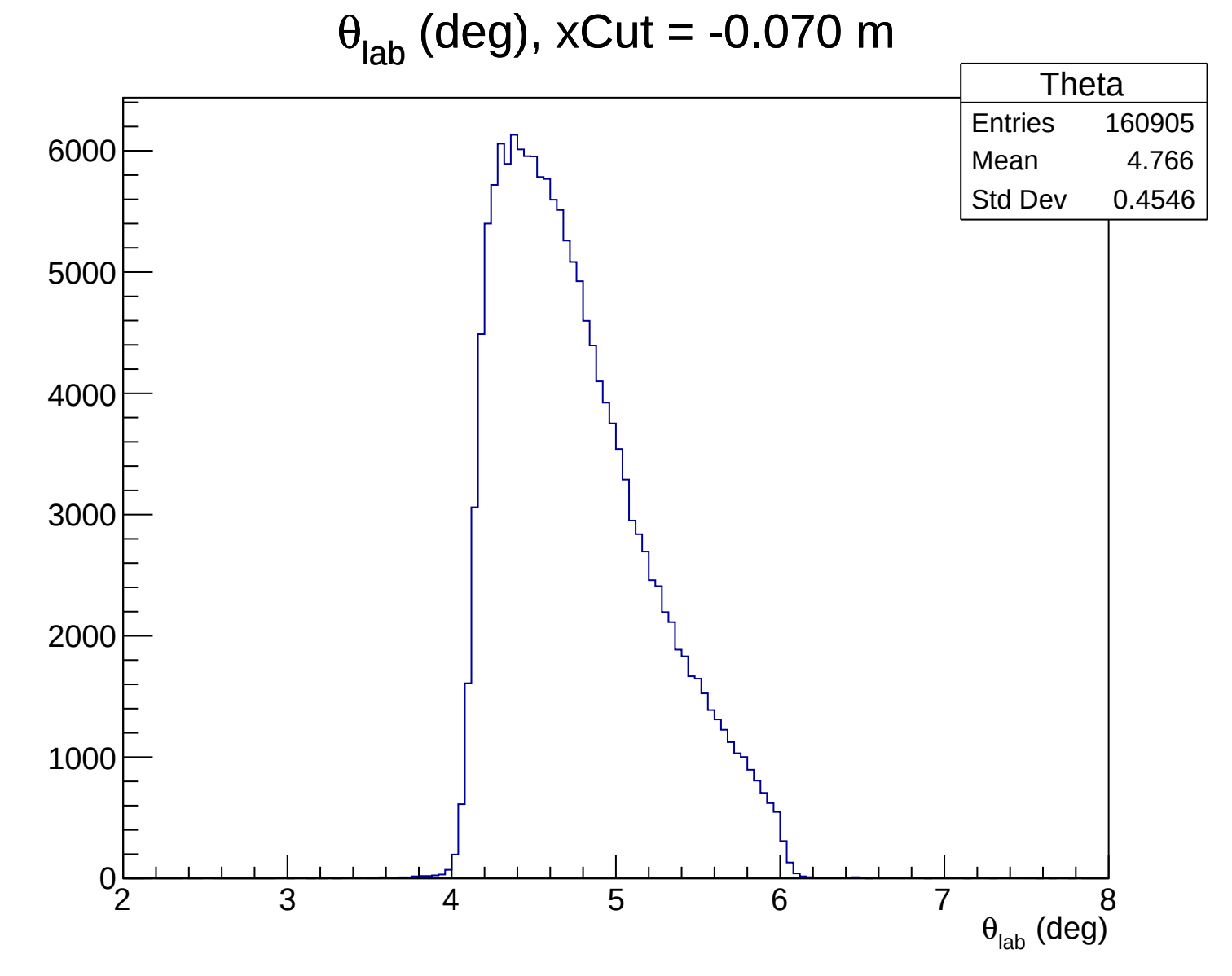

Sensitivity, xCut = -0.068 m
sens
Entries 158646
Mean 0.02207
Std Dev 0.003927
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

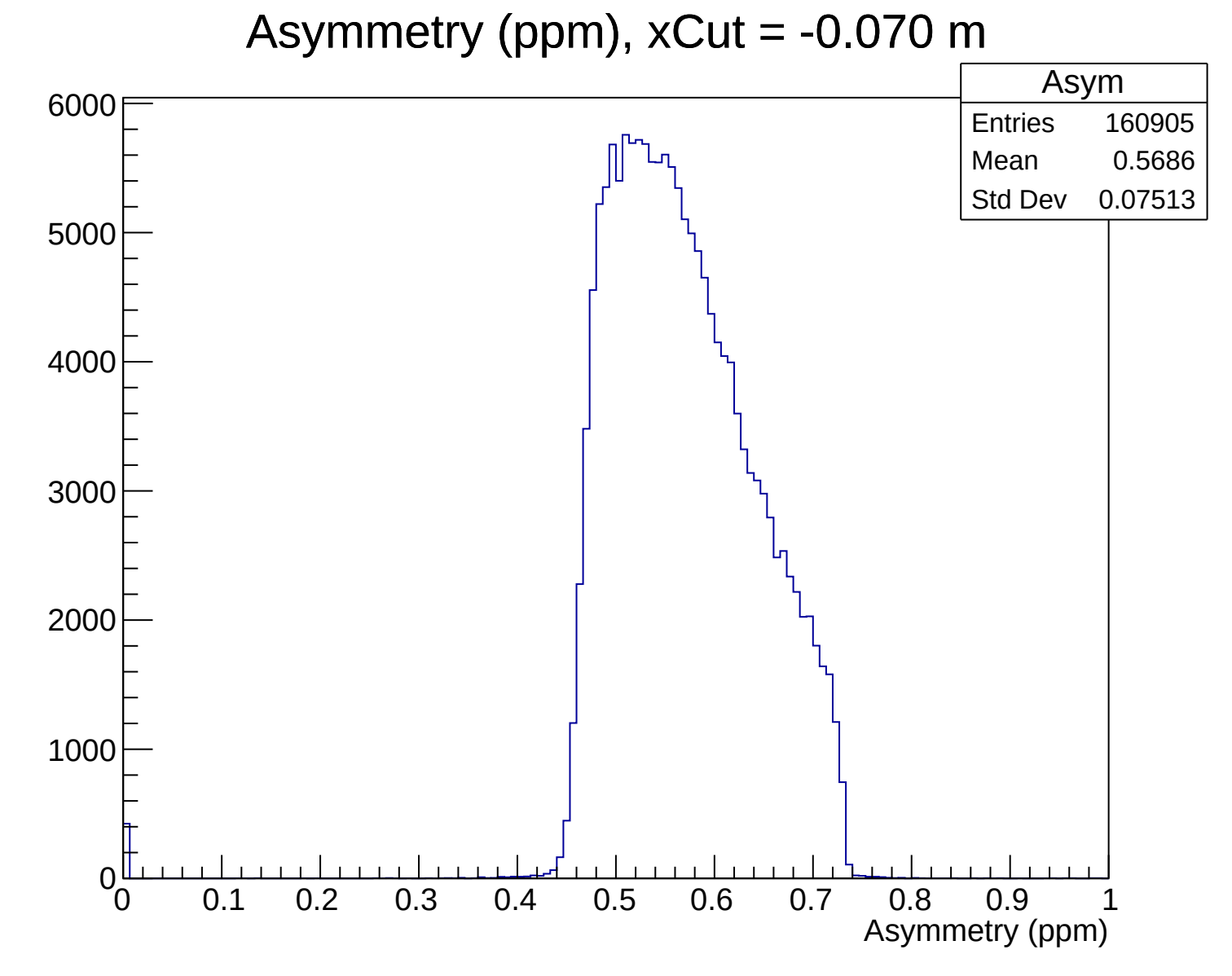

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

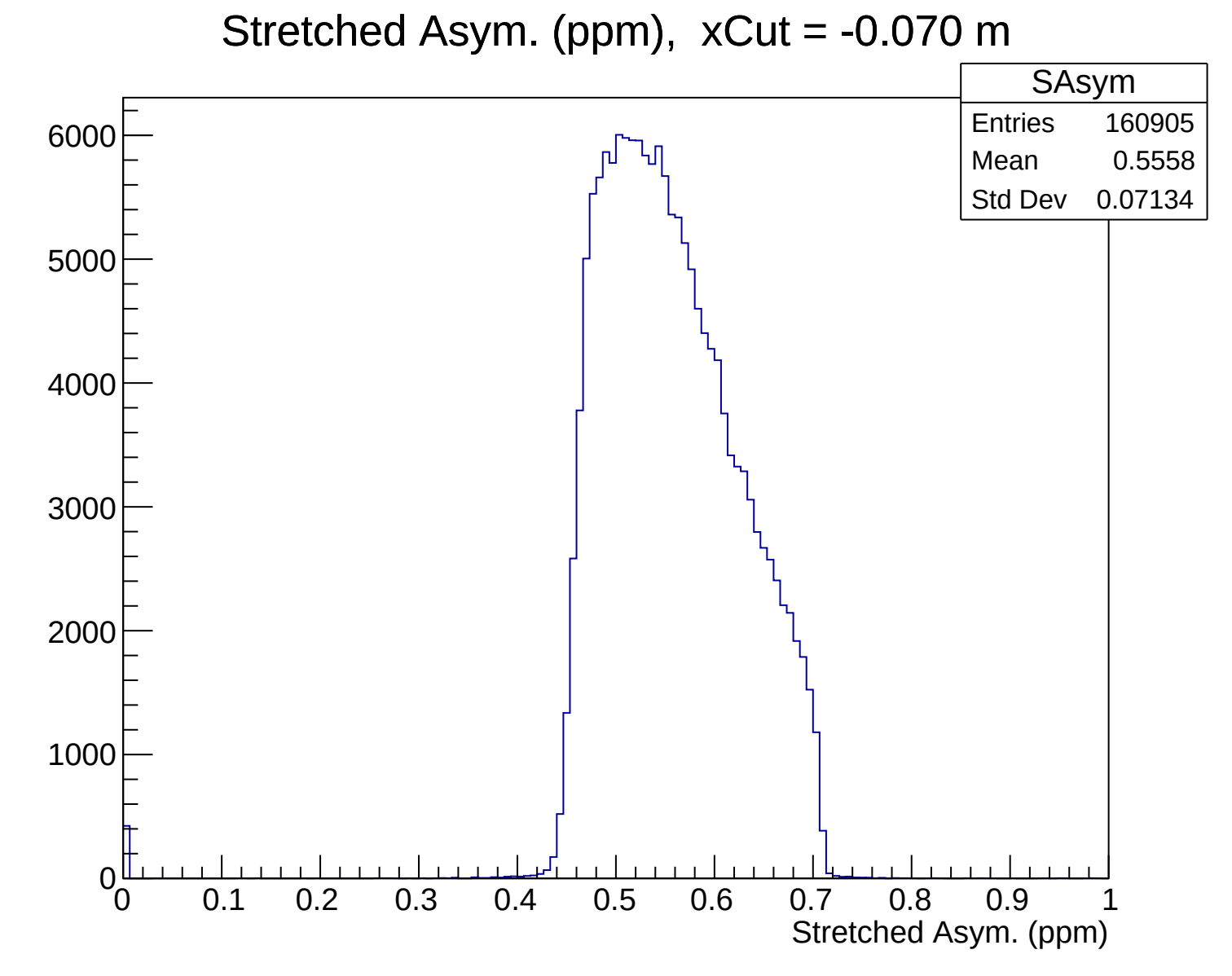

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

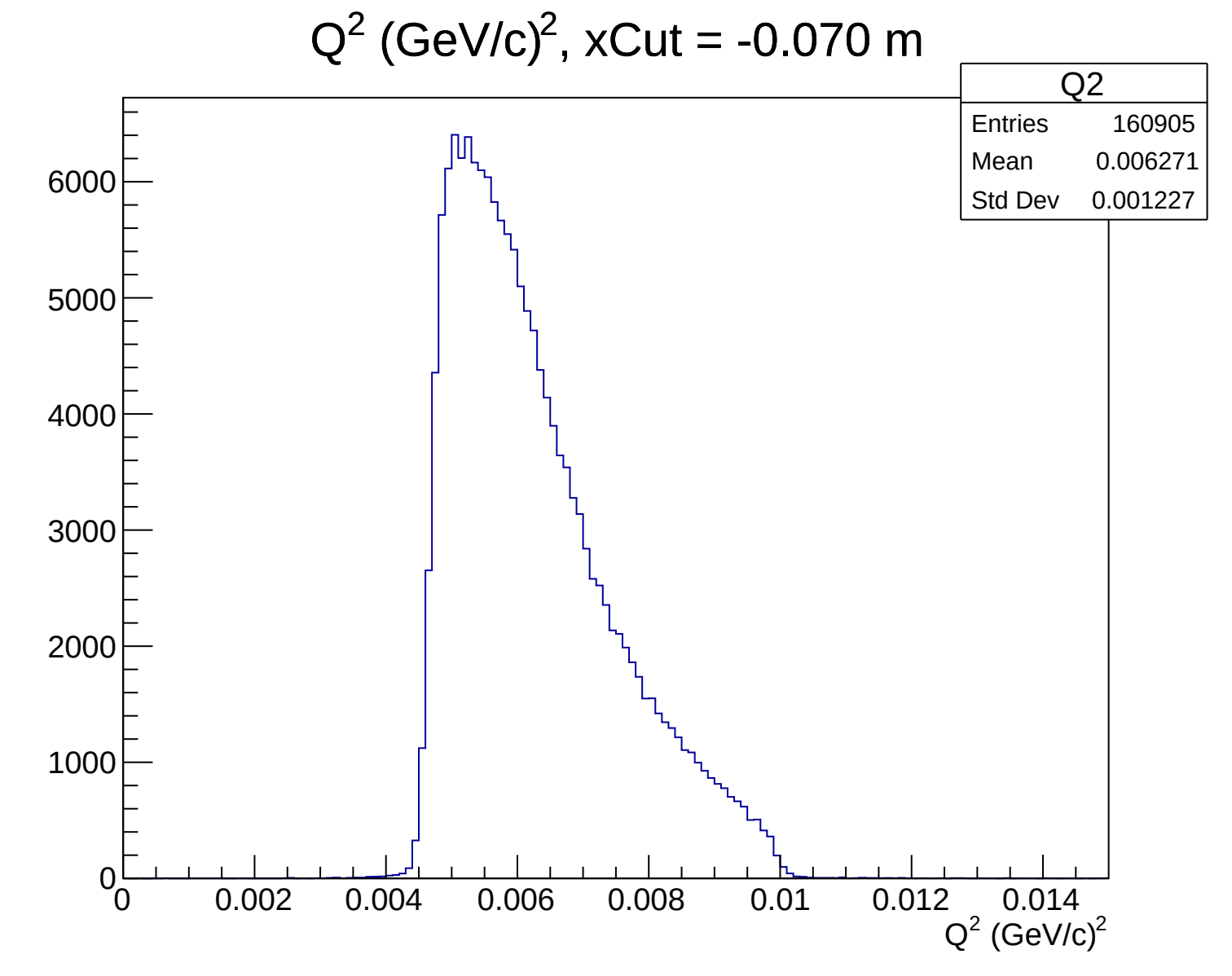

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

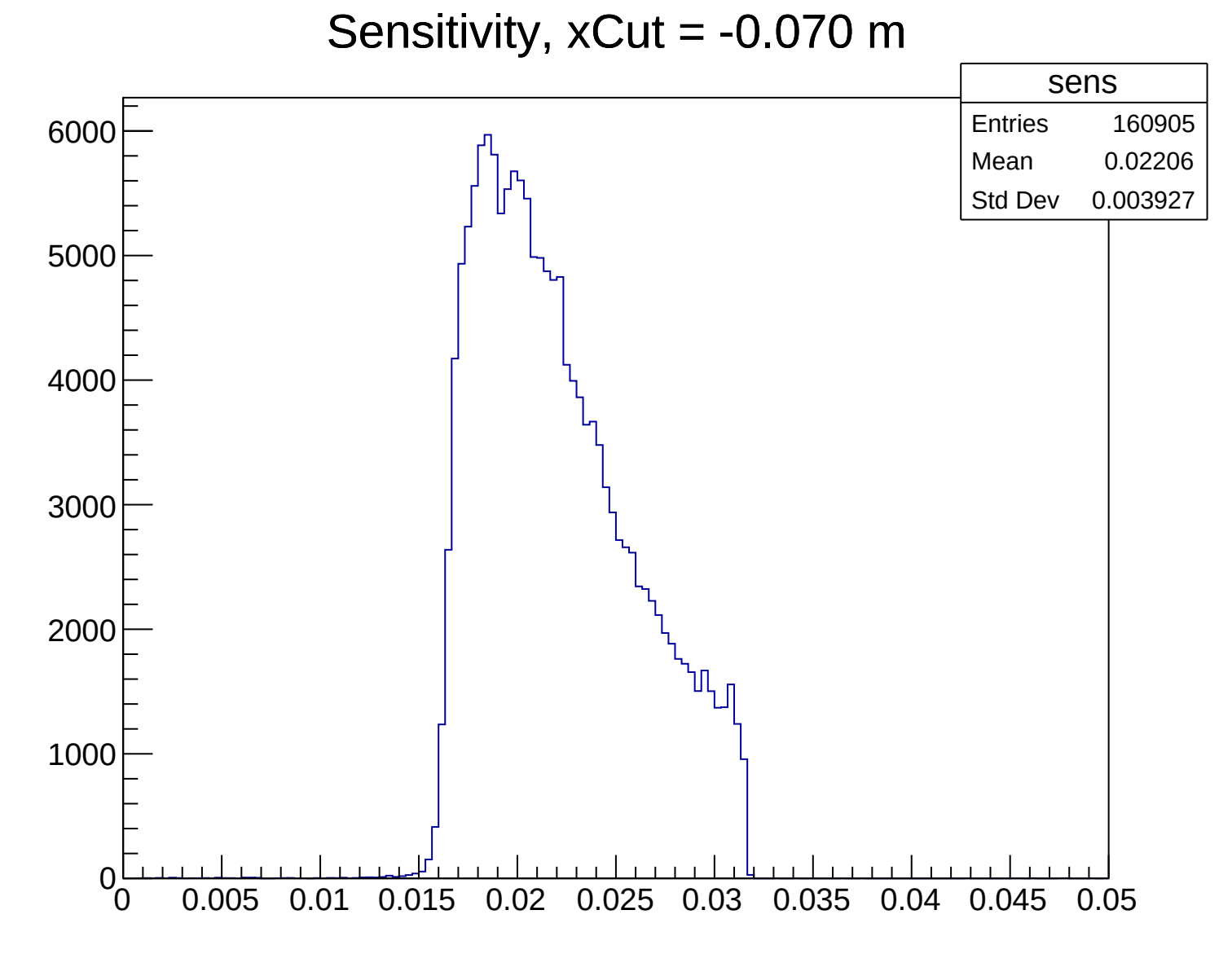

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

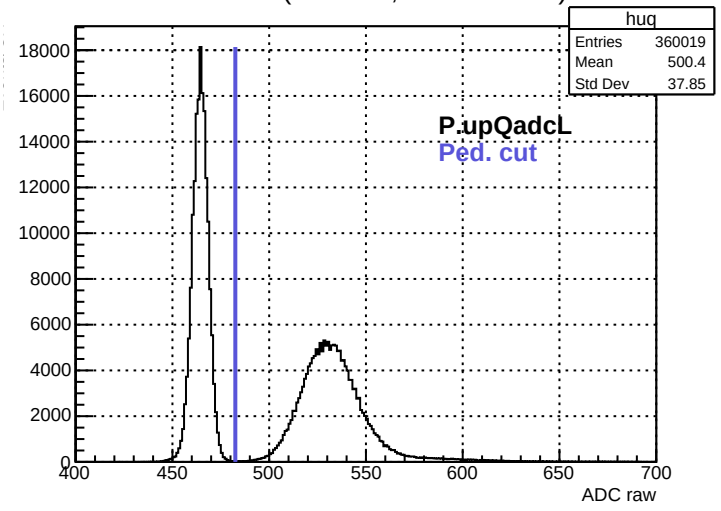

θlab (deg), xCut = -0.070 m
Theta
Entries 160905
Mean 4.766
Std Dev 0.4546
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

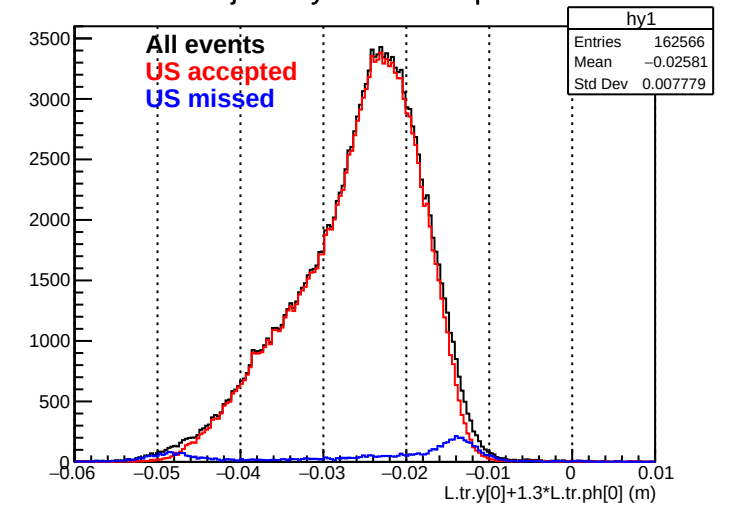

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 160905
Mean 0.5686
Std Dev 0.07513
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

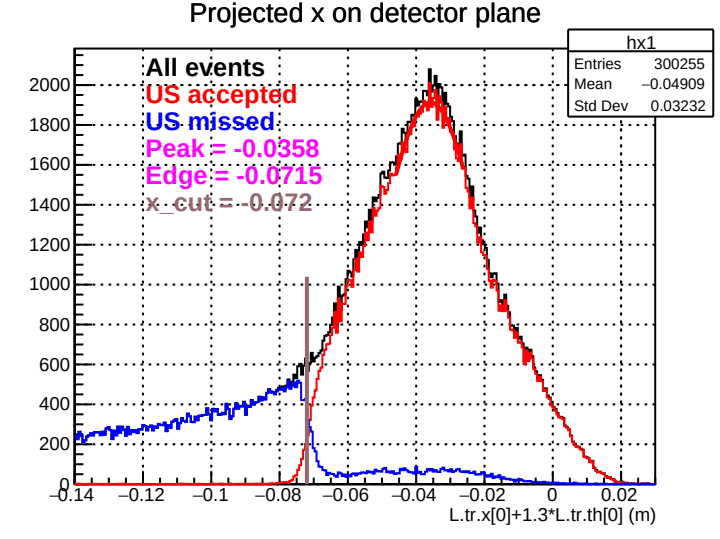

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 160905
Mean 0.5558
Std Dev 0.07134
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

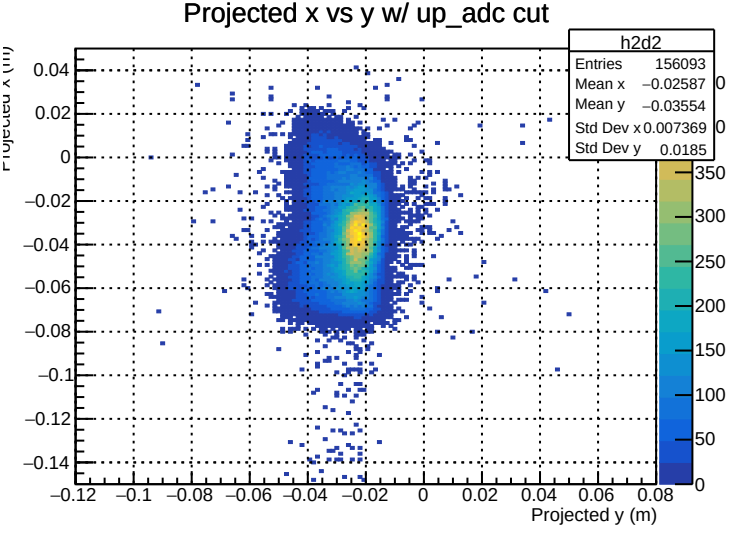

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 160905
Mean 0.006271
Std Dev 0.001227
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

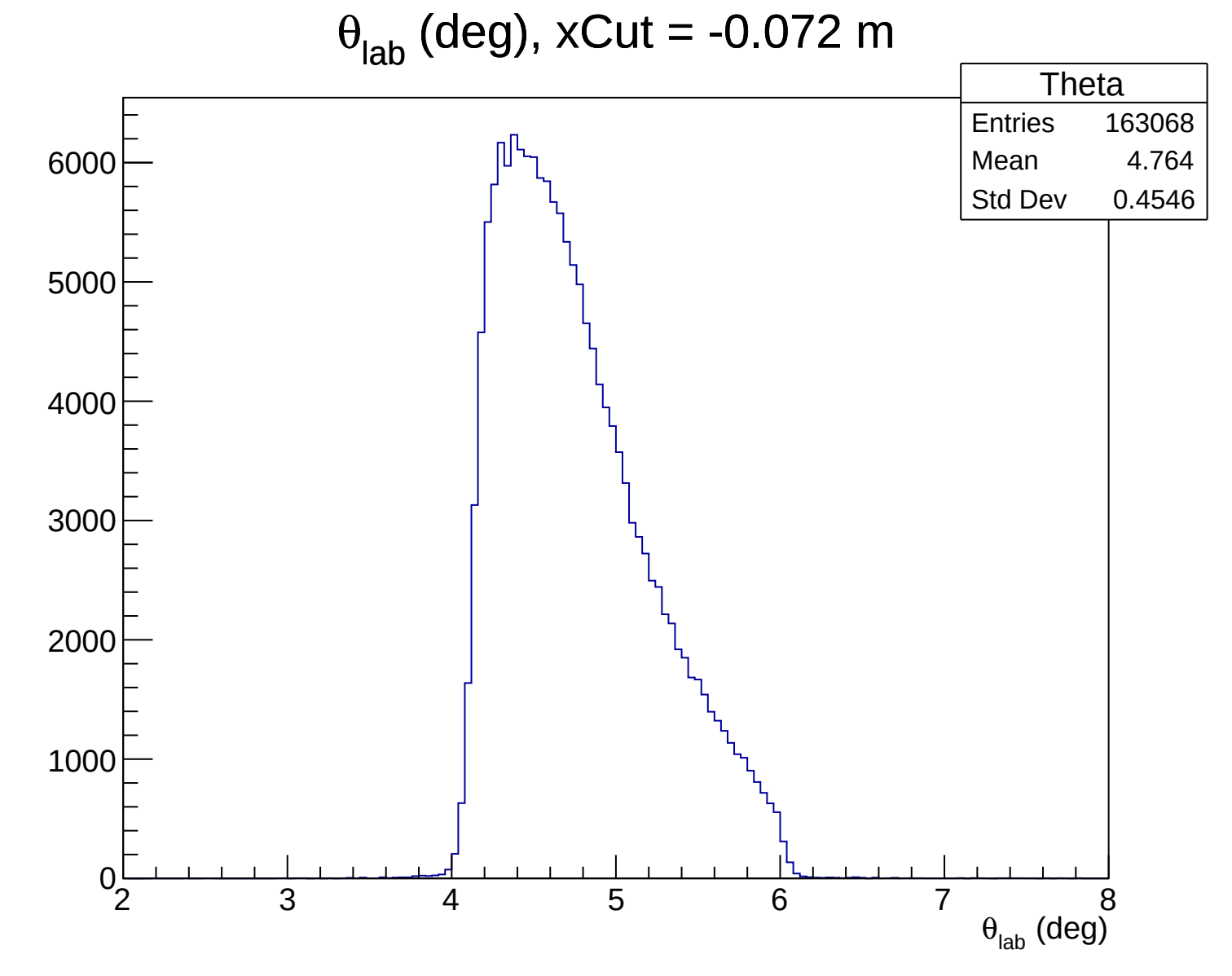

Sensitivity, xCut = -0.070 m
sens
Entries 160905
Mean 0.02206
Std Dev 0.003927
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

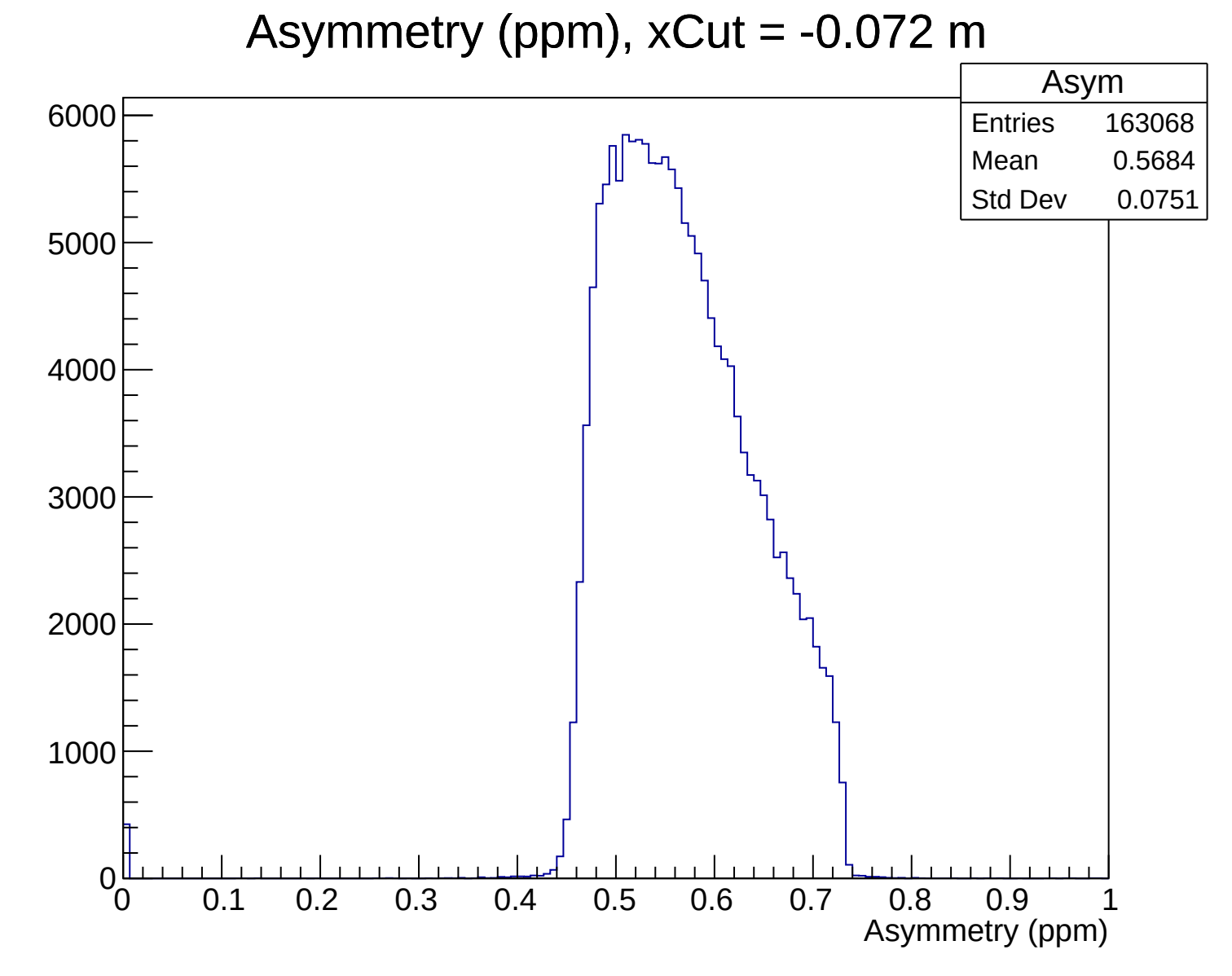

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

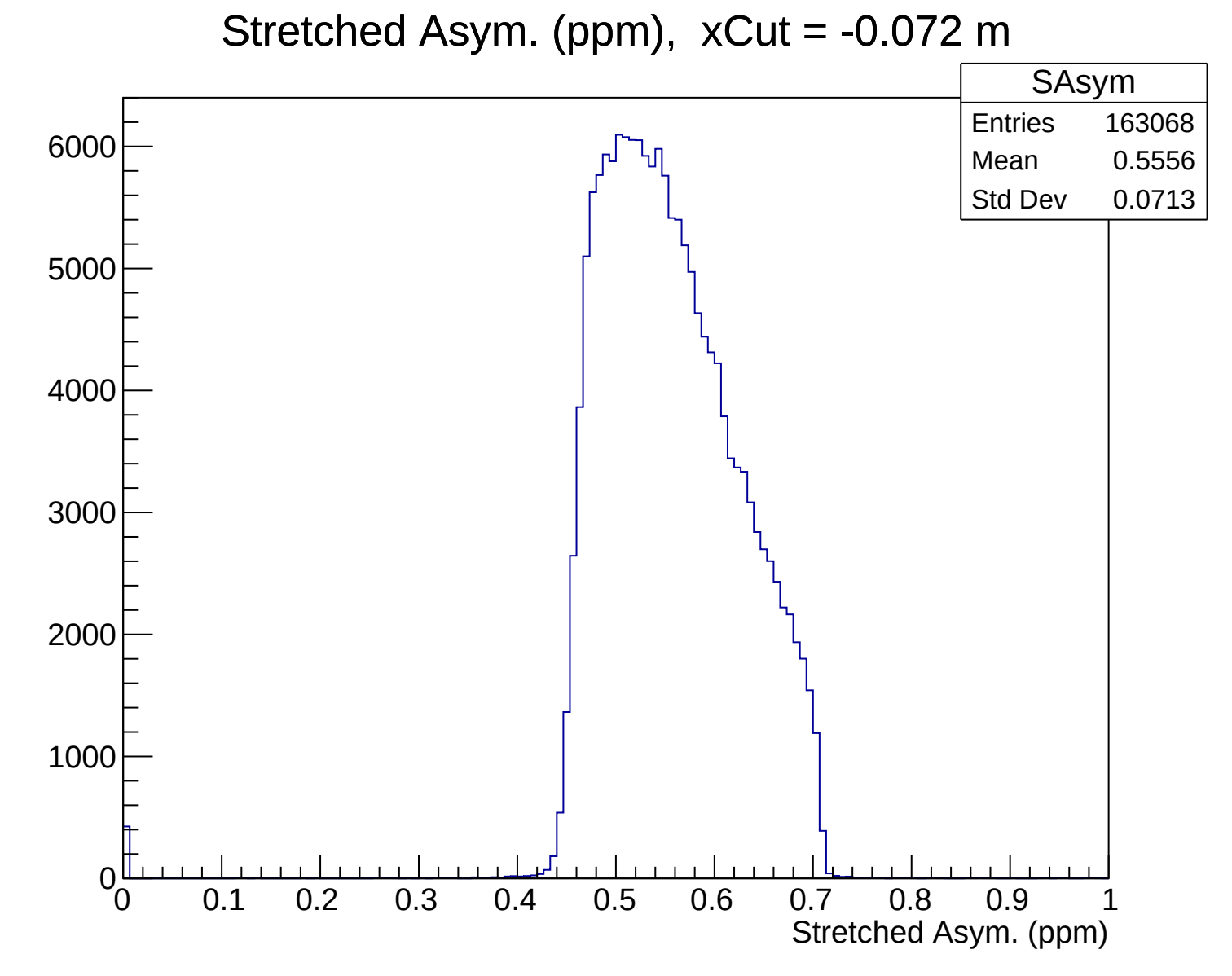

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

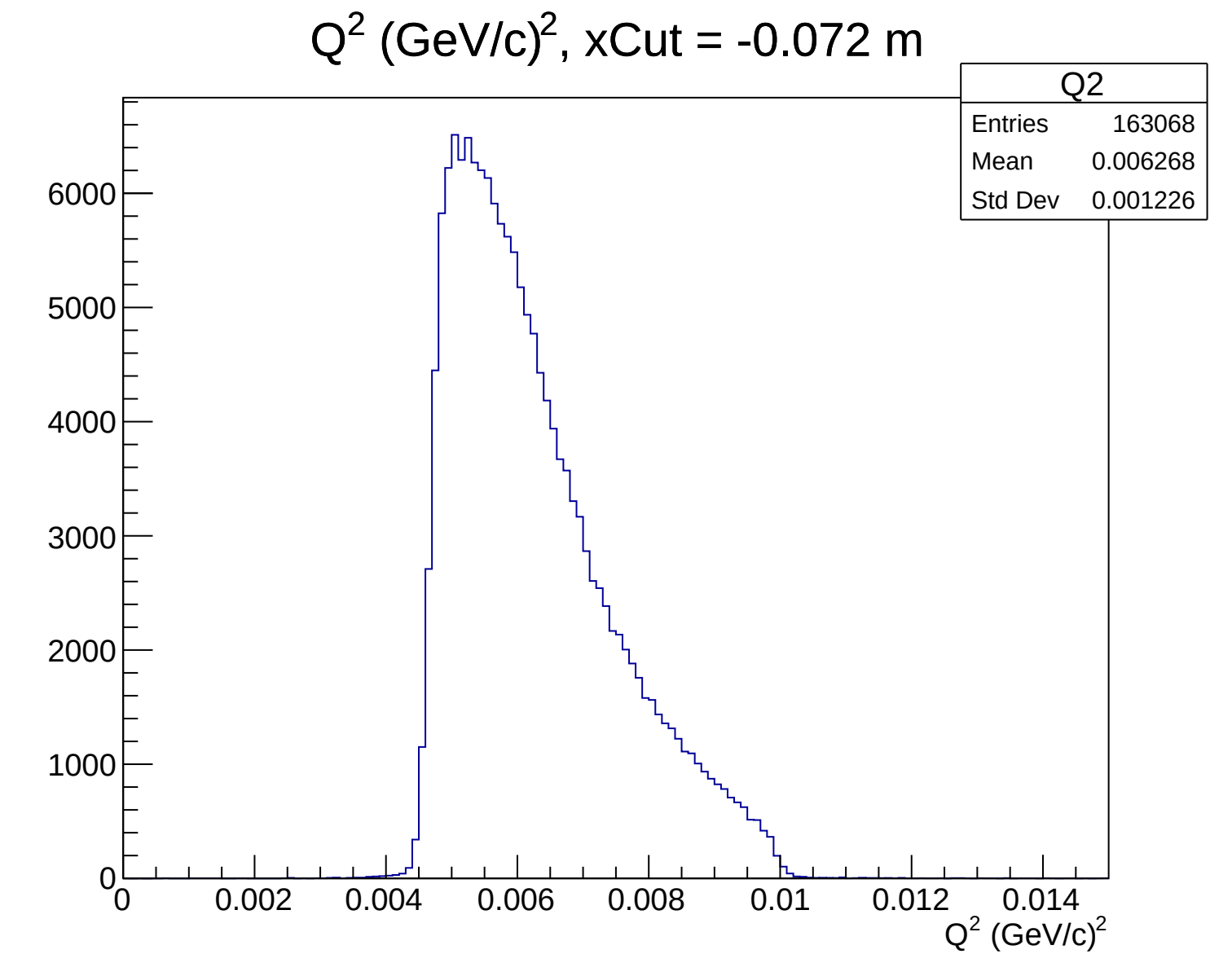

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.072
L.tr.x[0]+1.3*L.tr.th[0] (m)

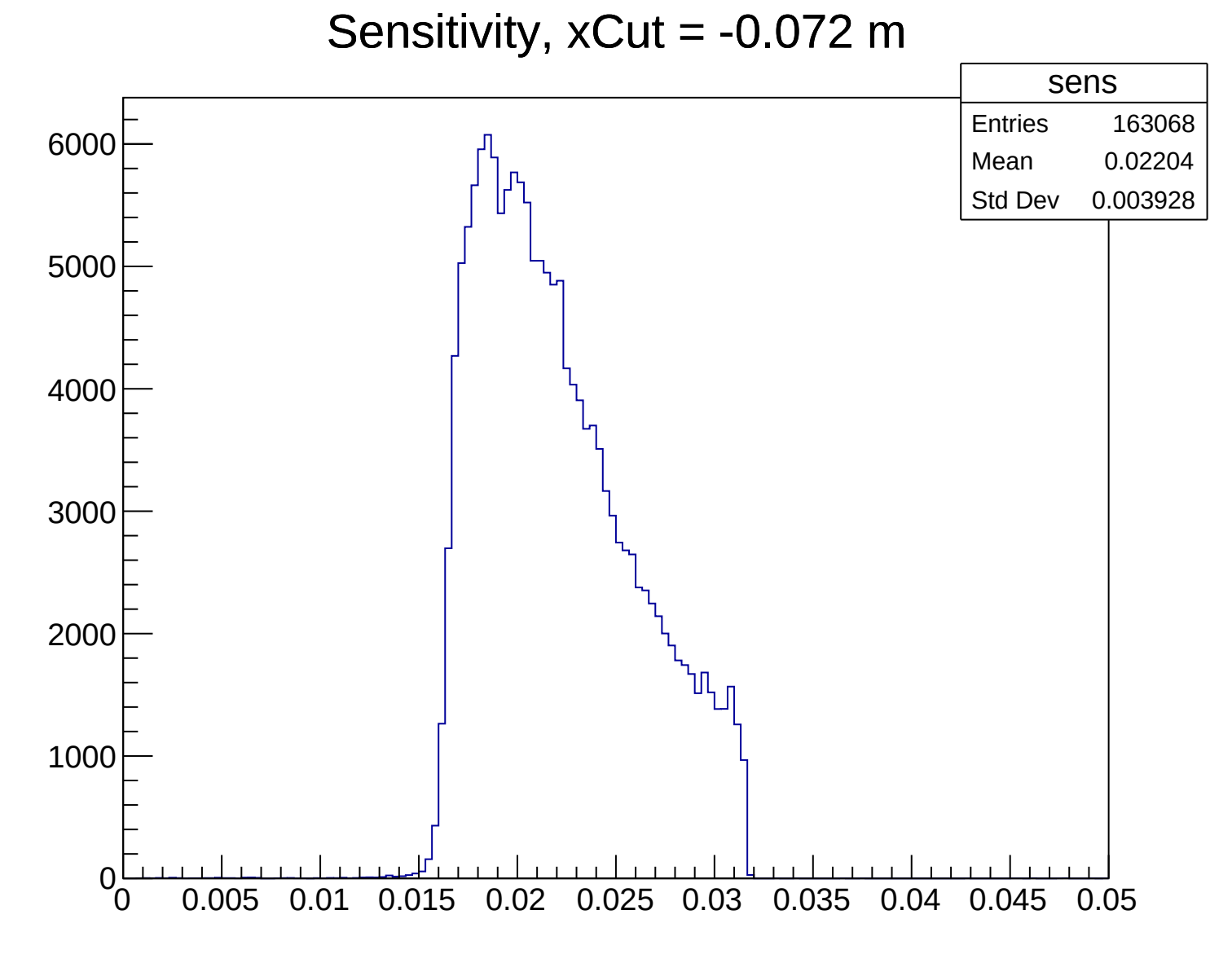

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

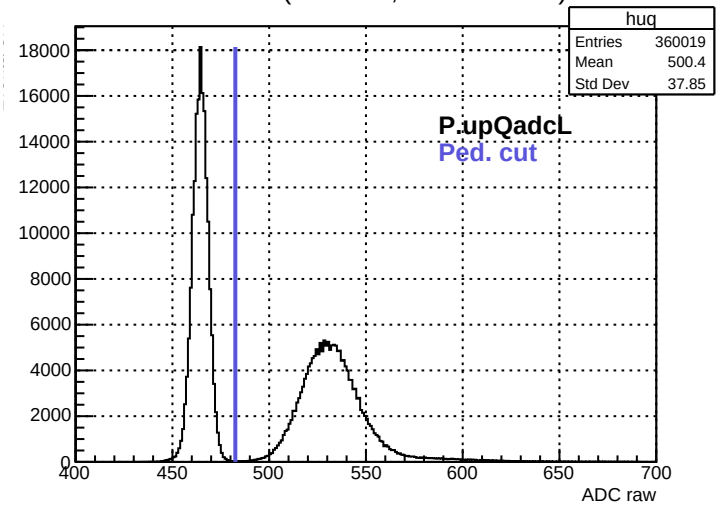

θlab (deg), xCut = -0.072 m
Theta
Entries 163068
Mean 4.764
Std Dev 0.4546
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

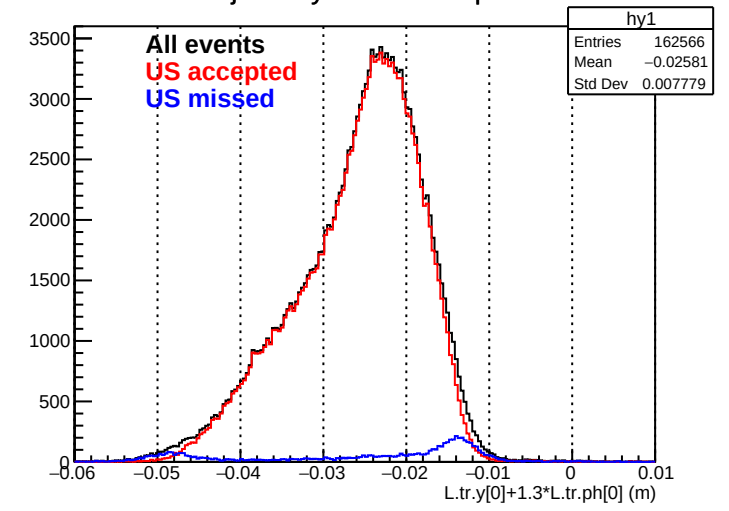

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 163068
Mean 0.5684
Std Dev 0.0751
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

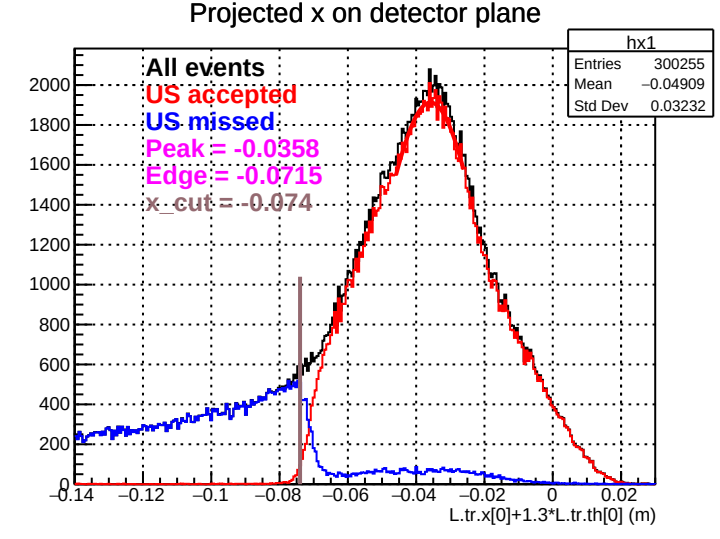

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 163068
Mean 0.5556
Std Dev 0.0713
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

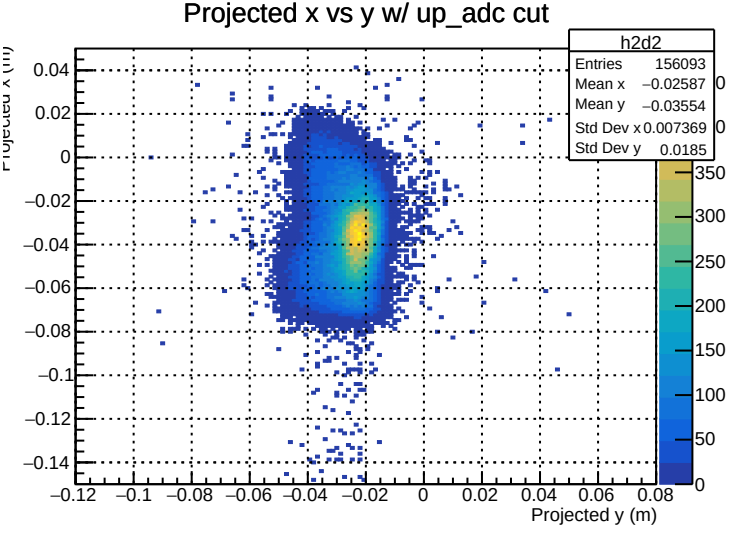

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 163068
Mean 0.006268
Std Dev 0.001226
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

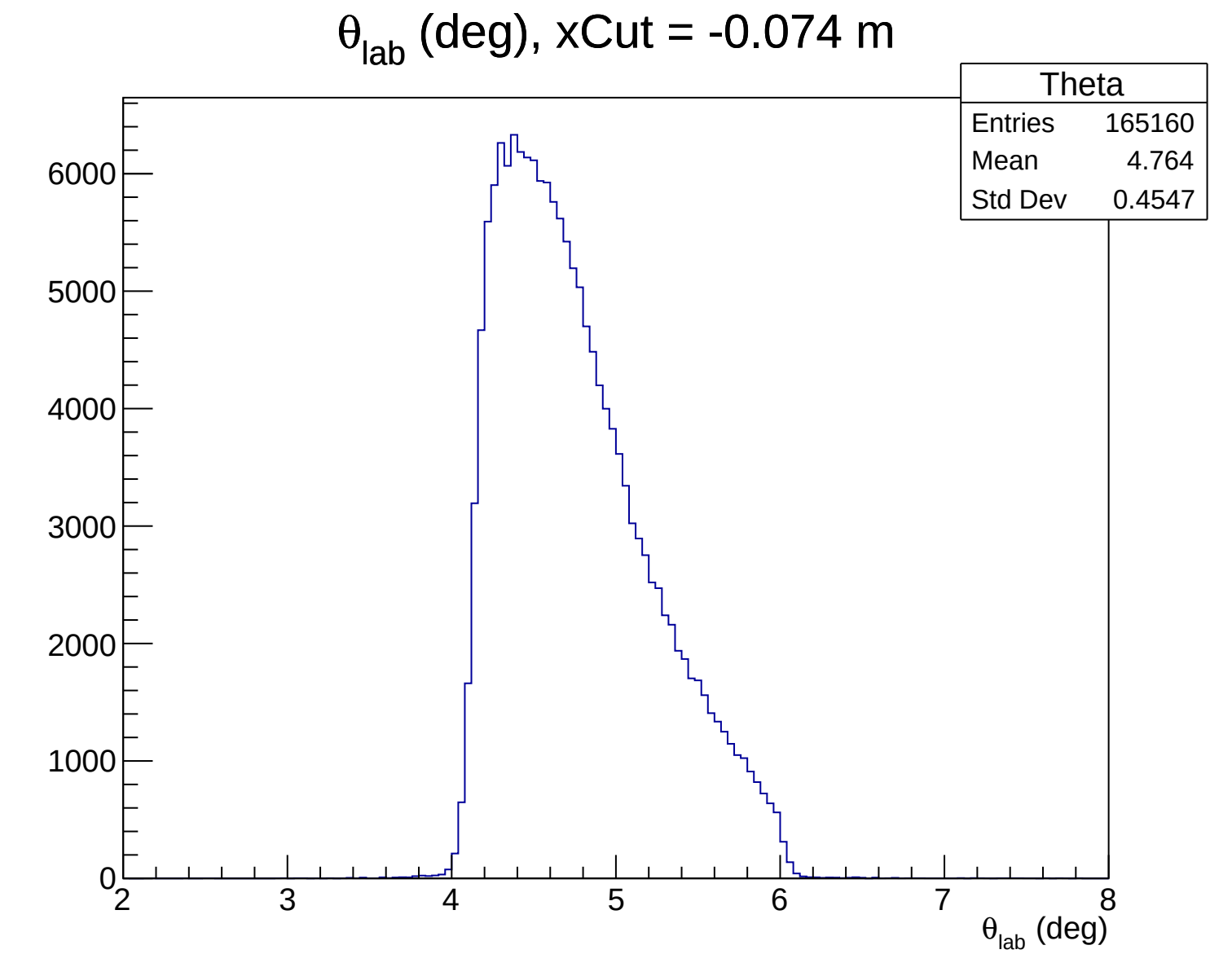

Sensitivity, xCut = -0.072 m
sens
Entries 163068
Mean 0.02204
Std Dev 0.003928
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

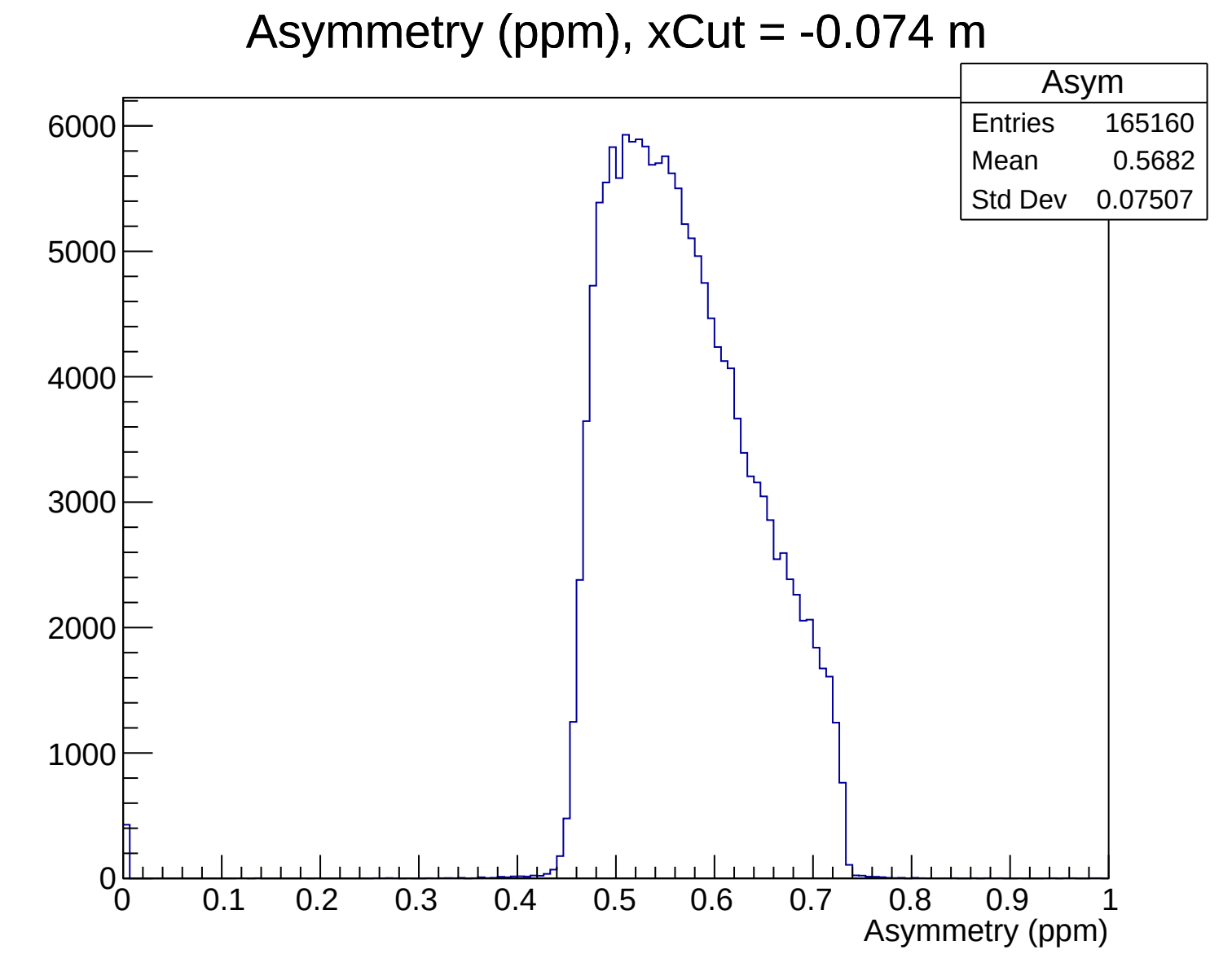

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

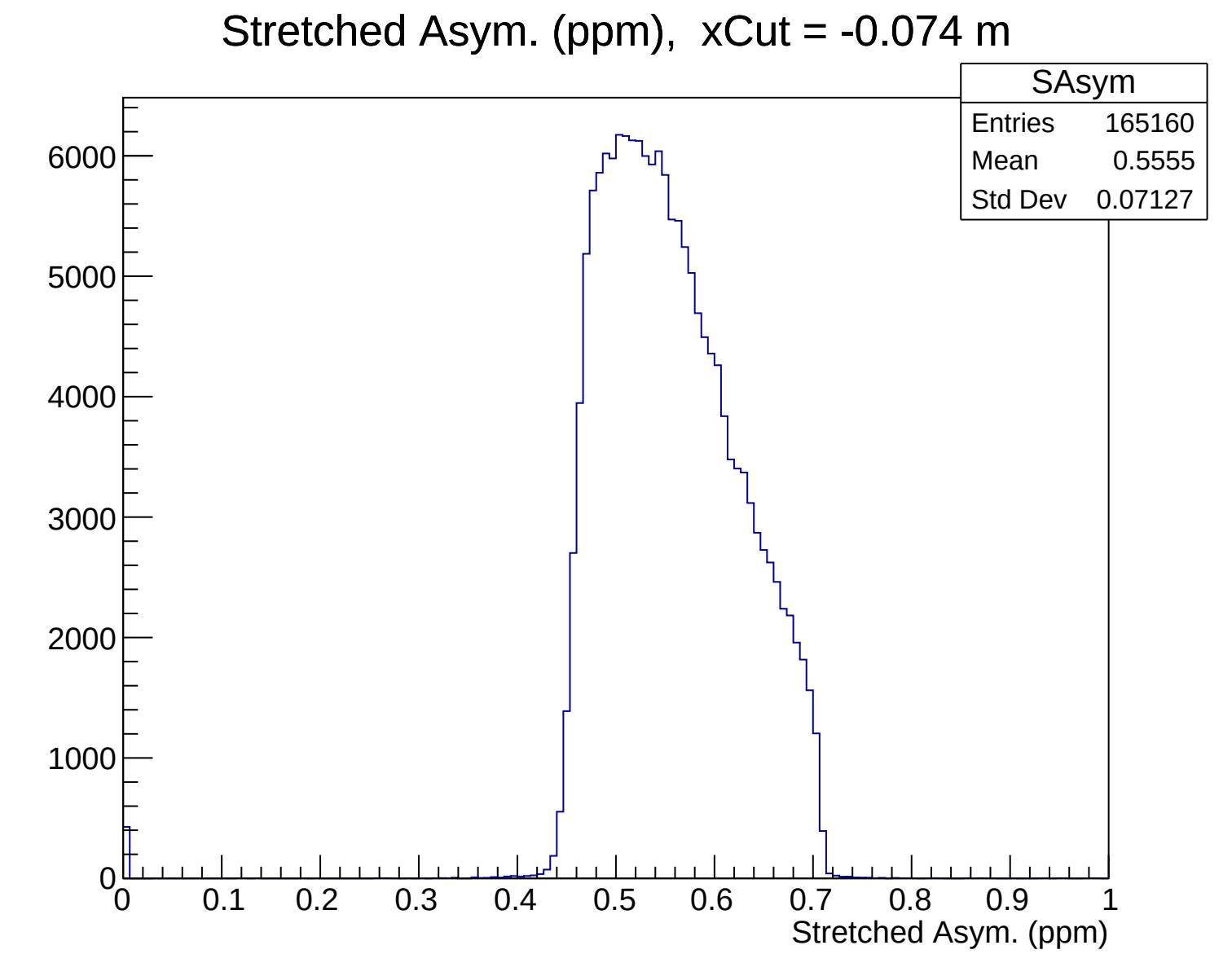

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

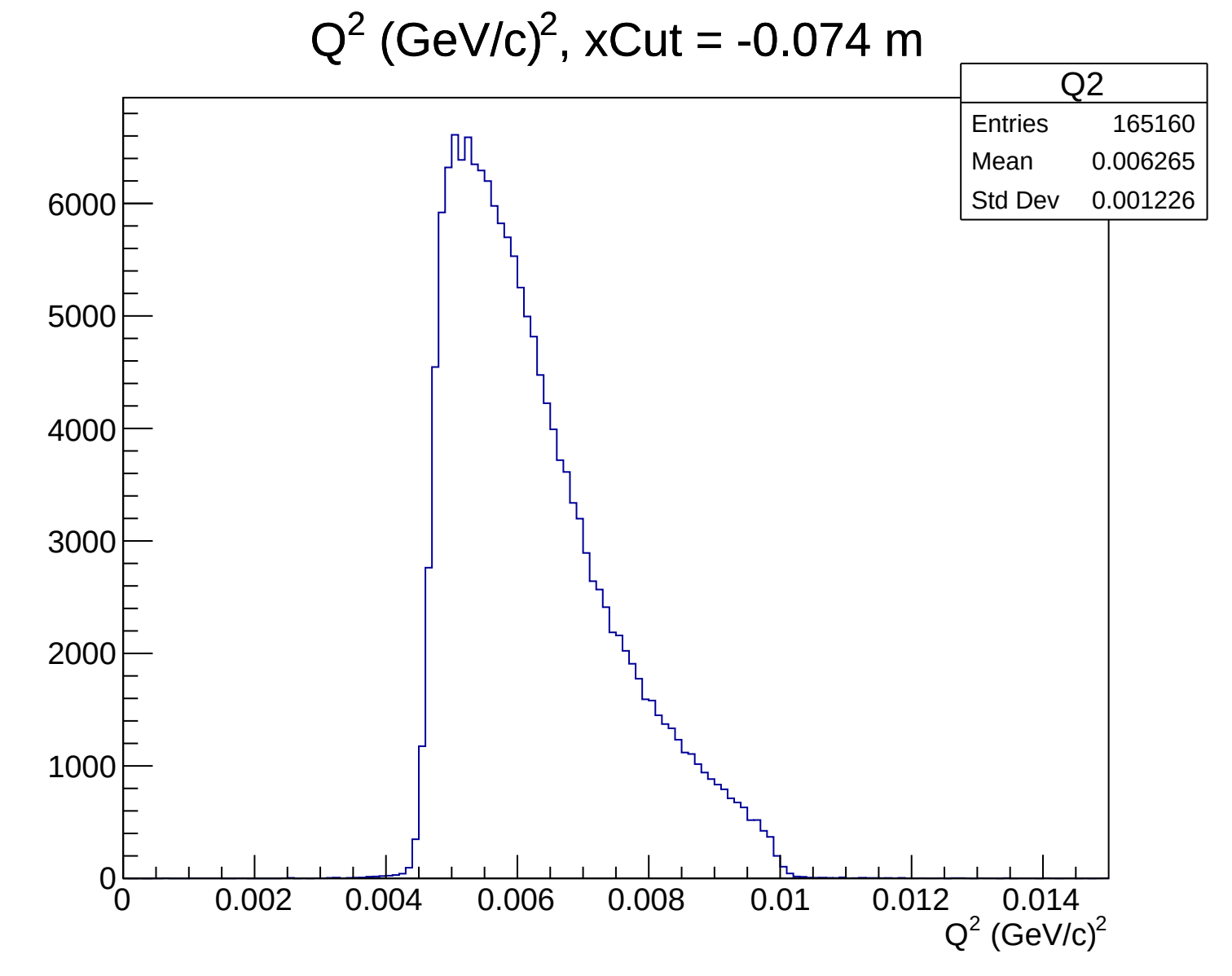

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.074
L.tr.x[0]+1.3*L.tr.th[0] (m)

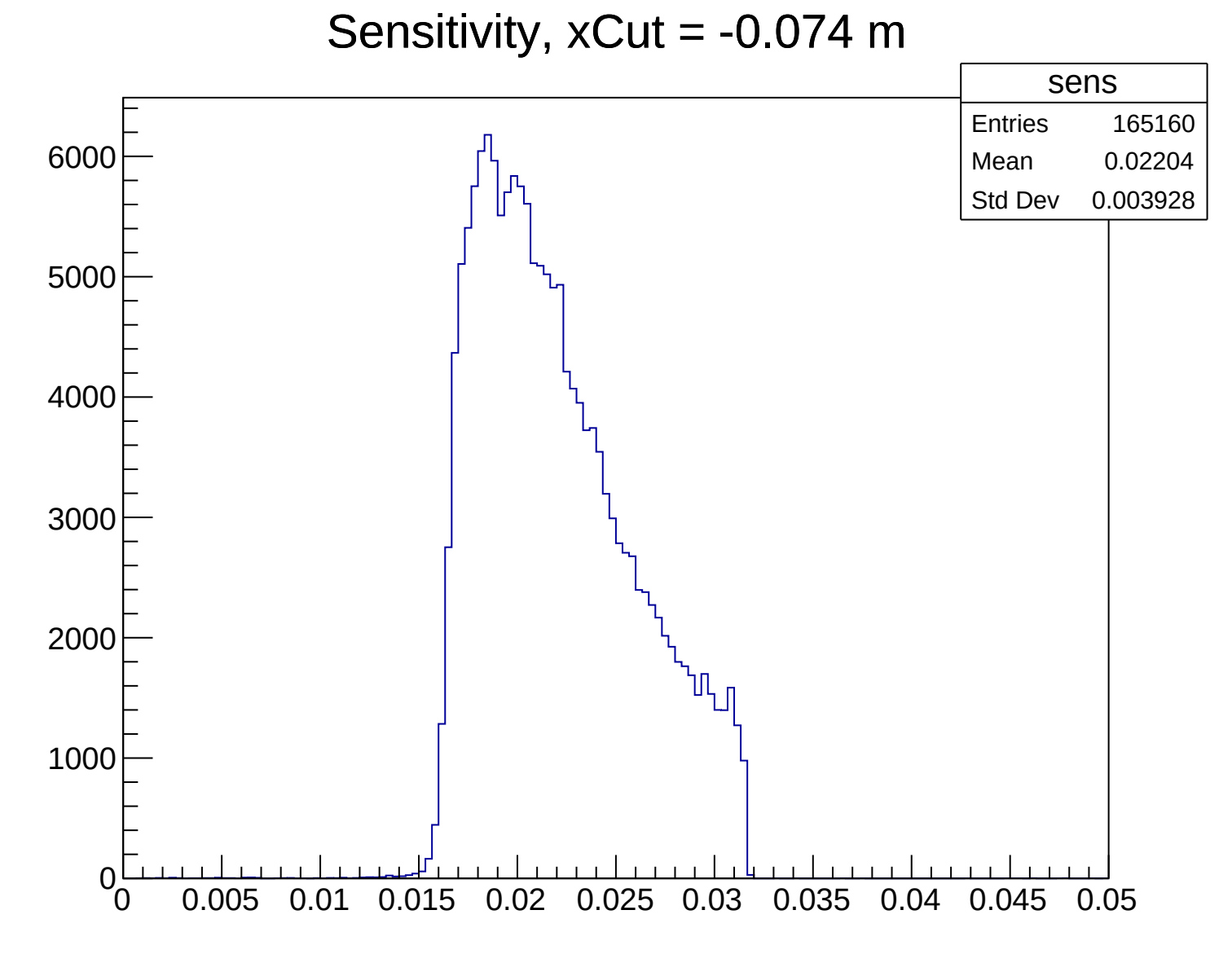

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

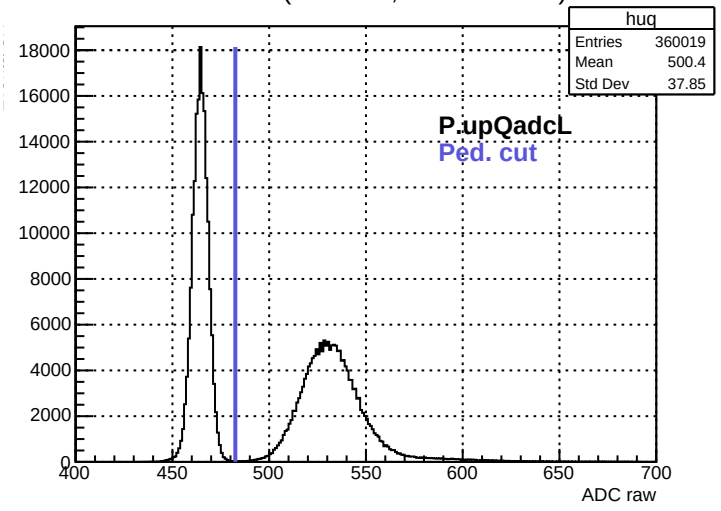

θlab (deg), xCut = -0.074 m
Theta
Entries 165160
Mean 4.764
Std Dev 0.4547
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

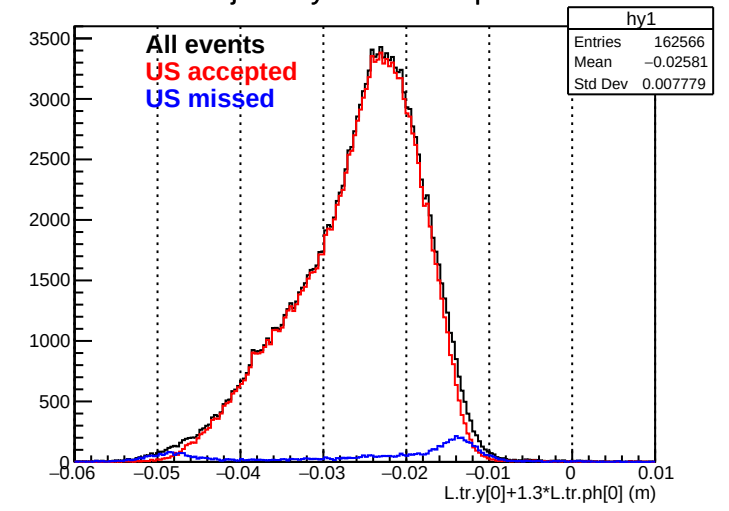

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 165160
Mean 0.5682
Std Dev 0.07507
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

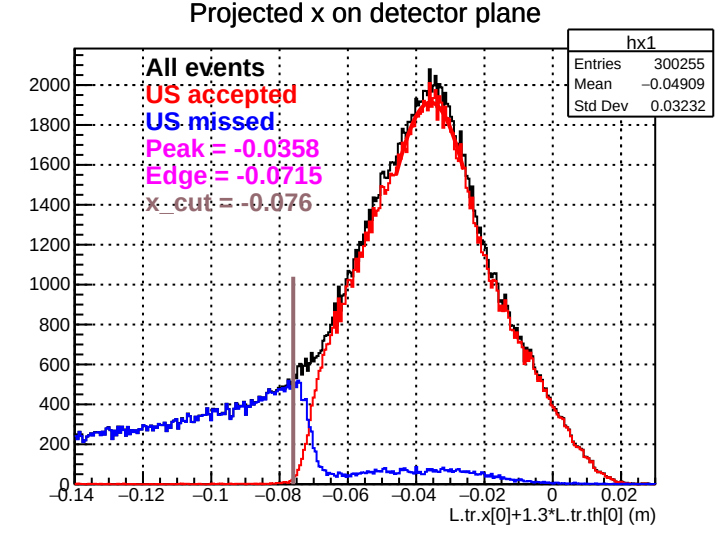

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 165160
Mean 0.5555
Std Dev 0.07127
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

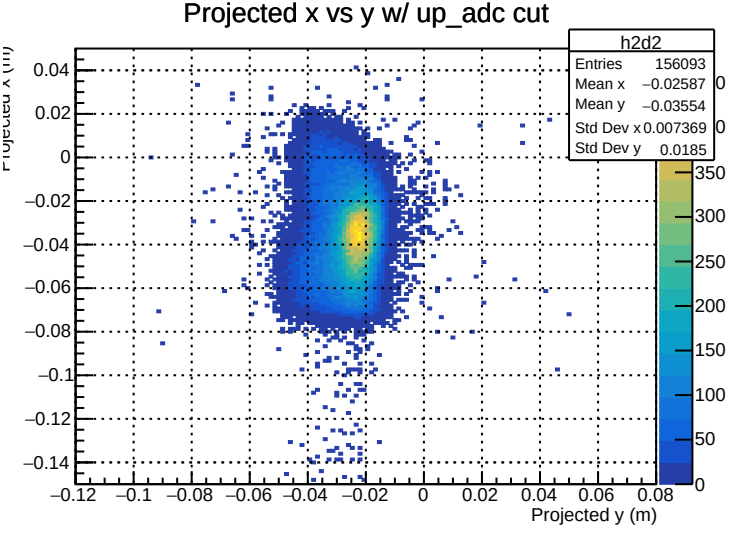

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 165160
Mean 0.006265
Std Dev 0.001226
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

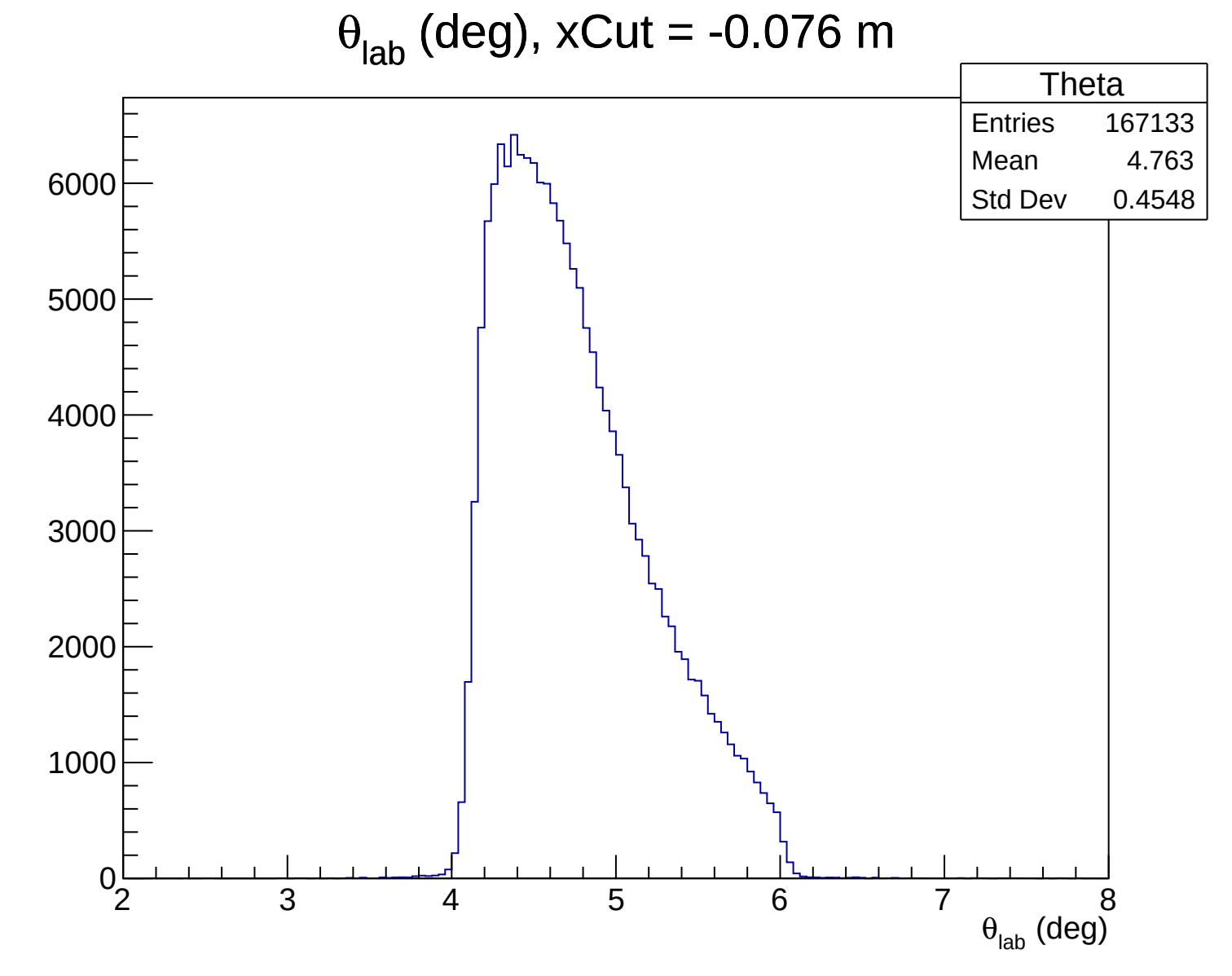

Sensitivity, xCut = -0.074 m
sens
Entries 165160
Mean 0.02204
Std Dev 0.003928
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

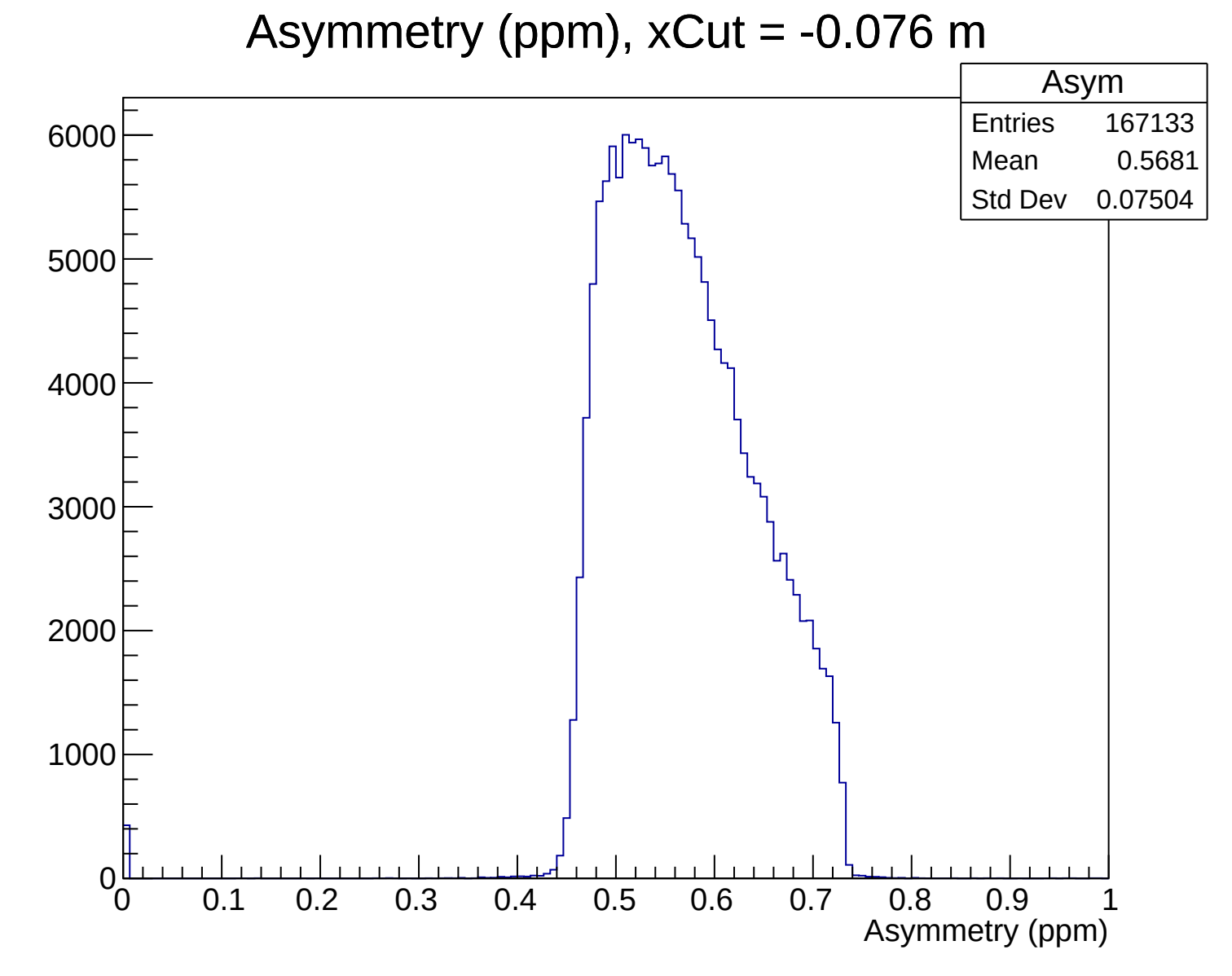

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

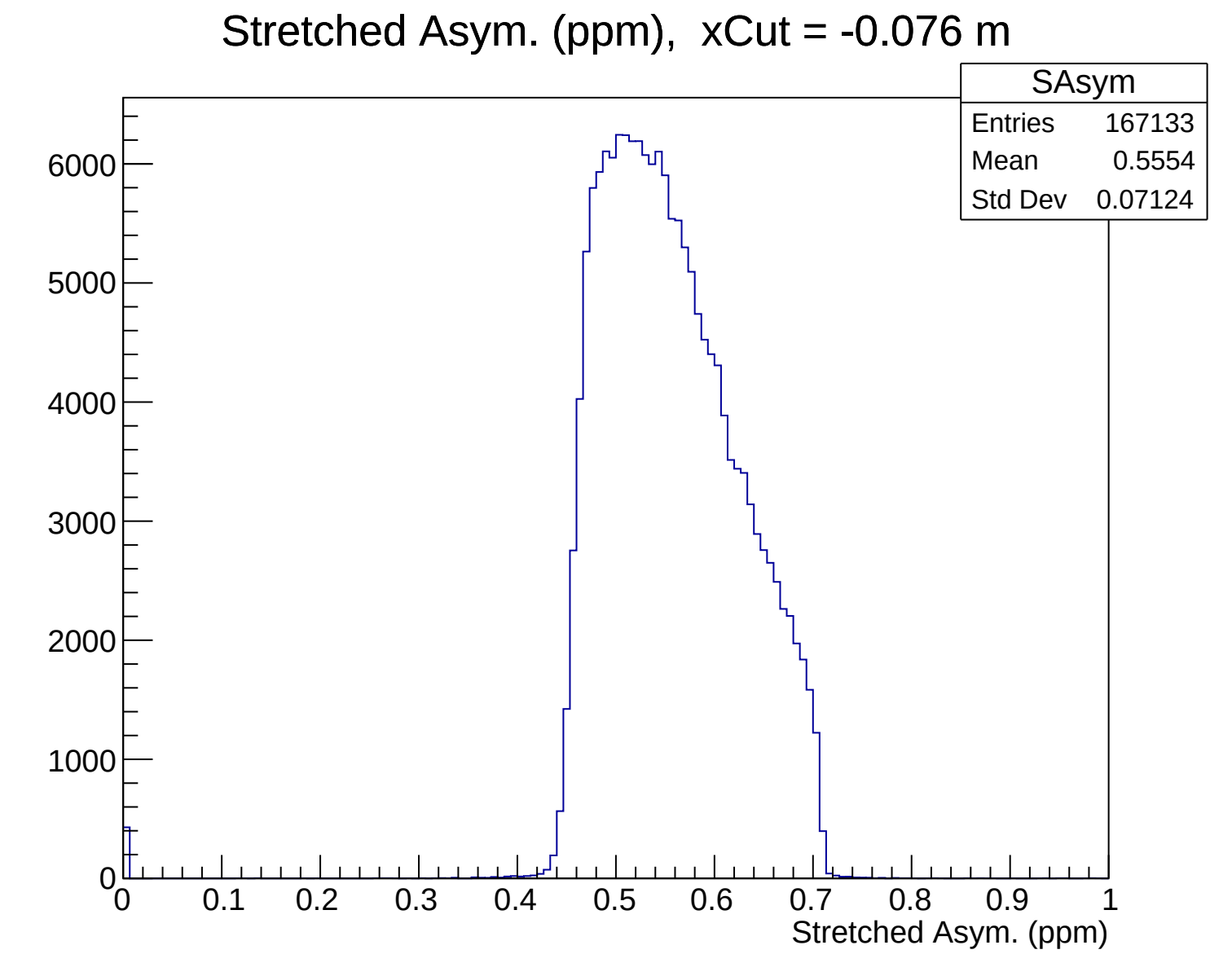

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

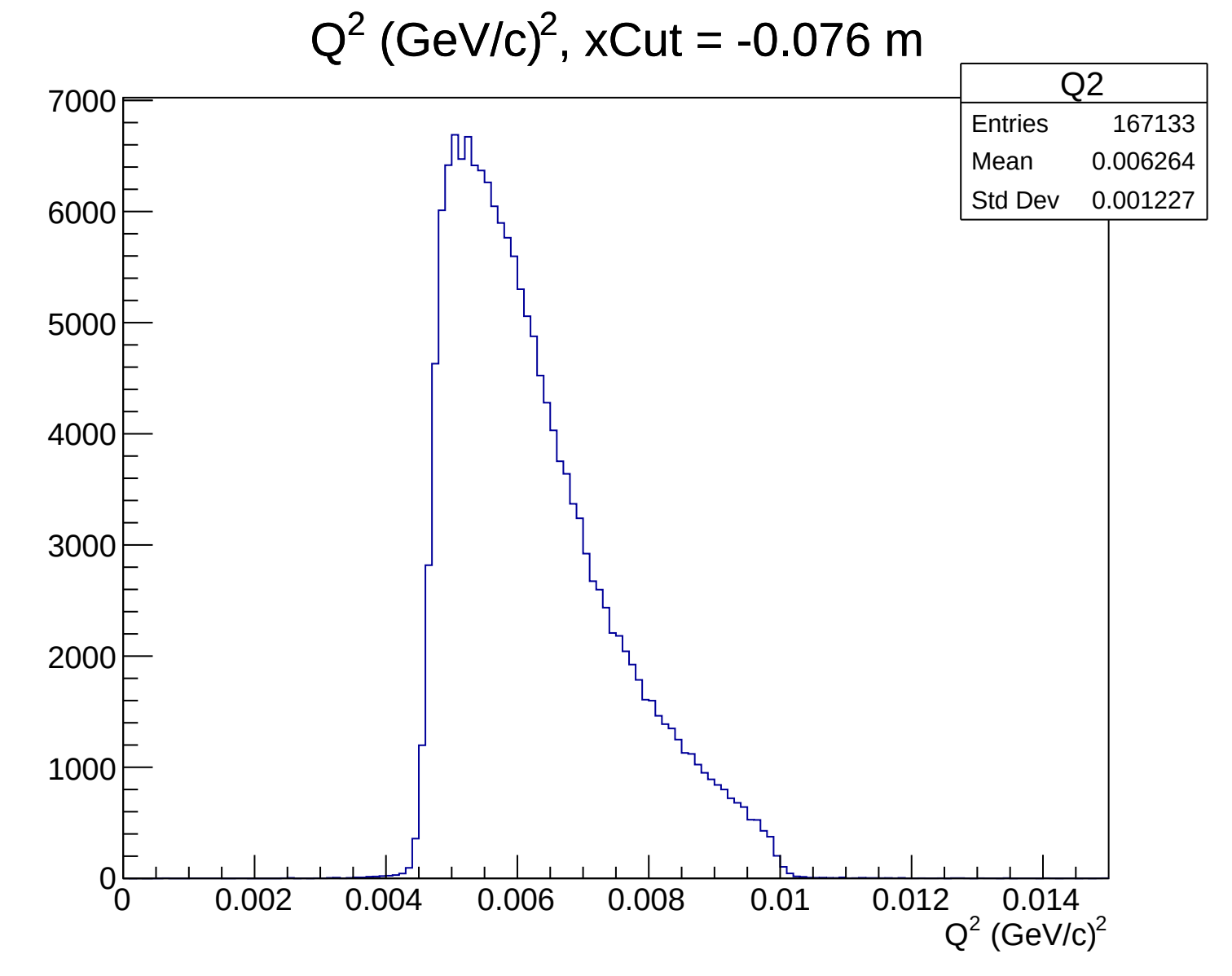

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.076
L.tr.x[0]+1.3*L.tr.th[0] (m)

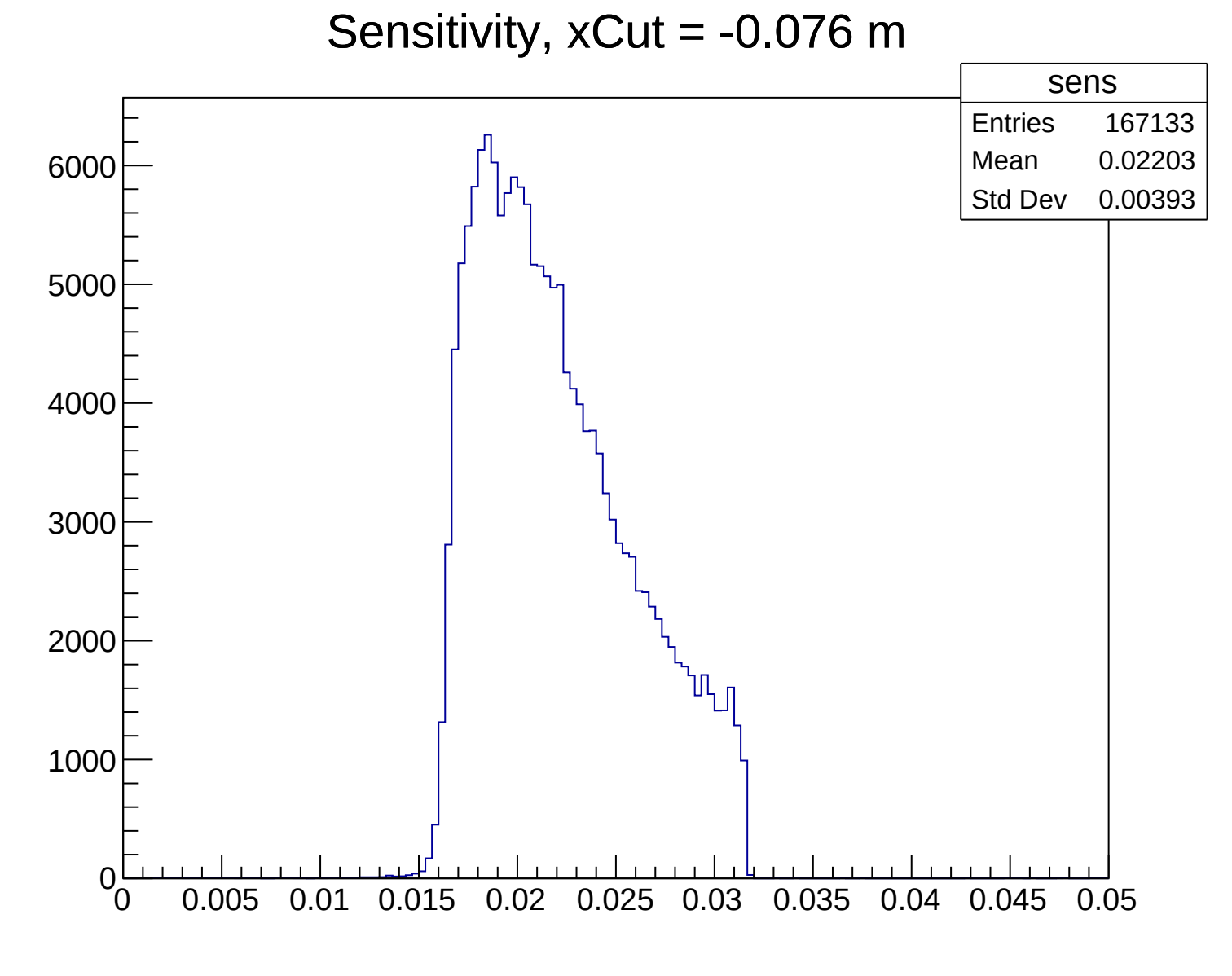

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

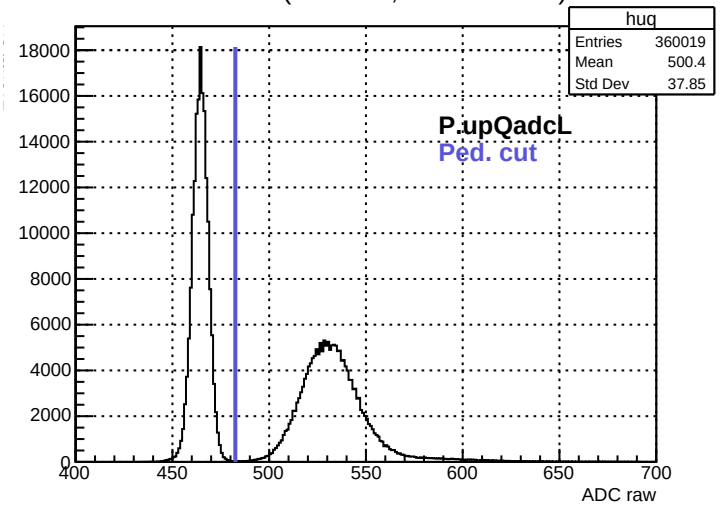

θlab (deg), xCut = -0.076 m
Theta
Entries 167133
Mean 4.763
Std Dev 0.4548
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

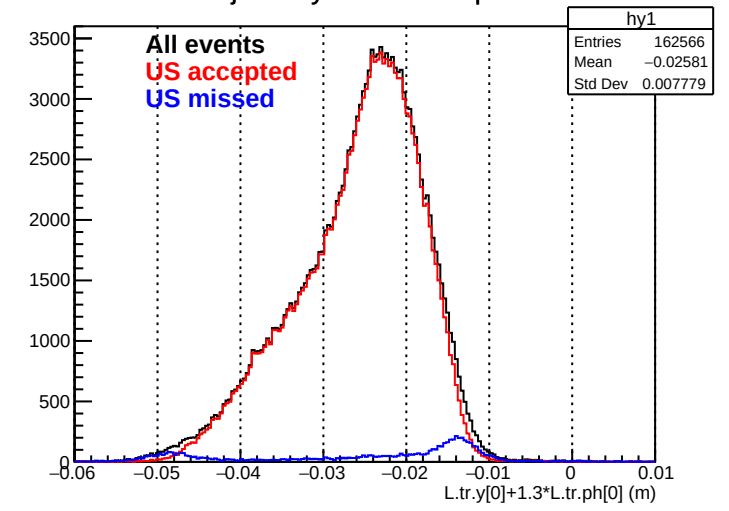

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 167133
Mean 0.5681
Std Dev 0.07504
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

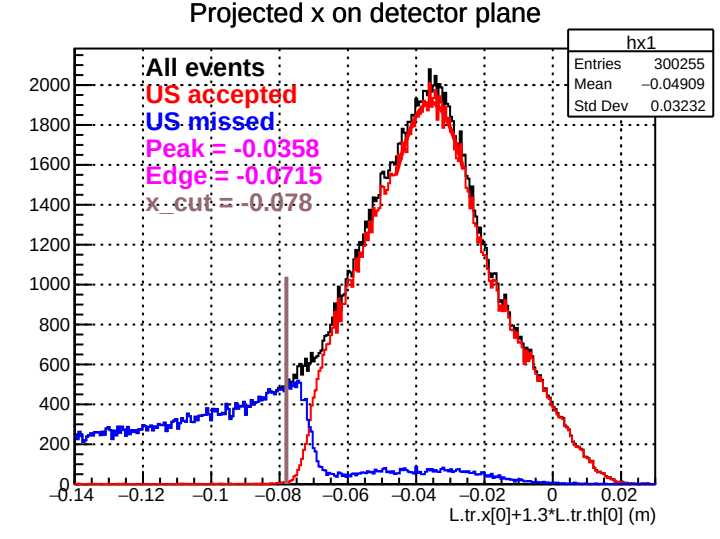

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 167133
Mean 0.5554
Std Dev 0.07124
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

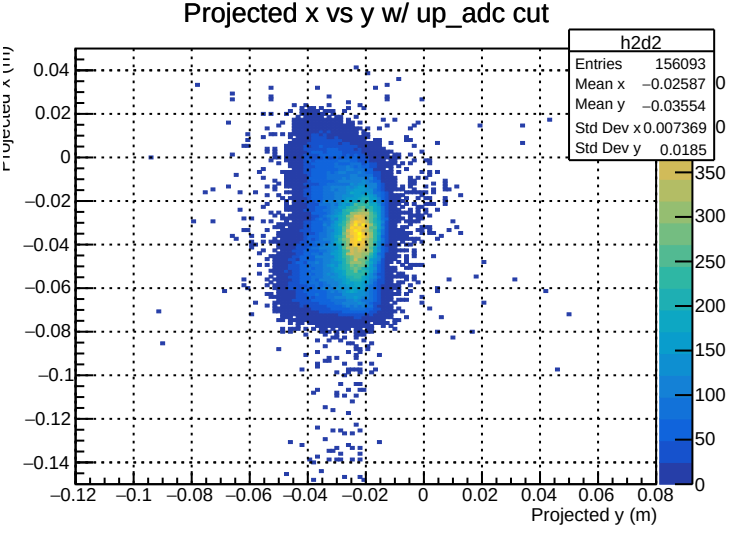

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 167133
Mean 0.006264
Std Dev 0.001227
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

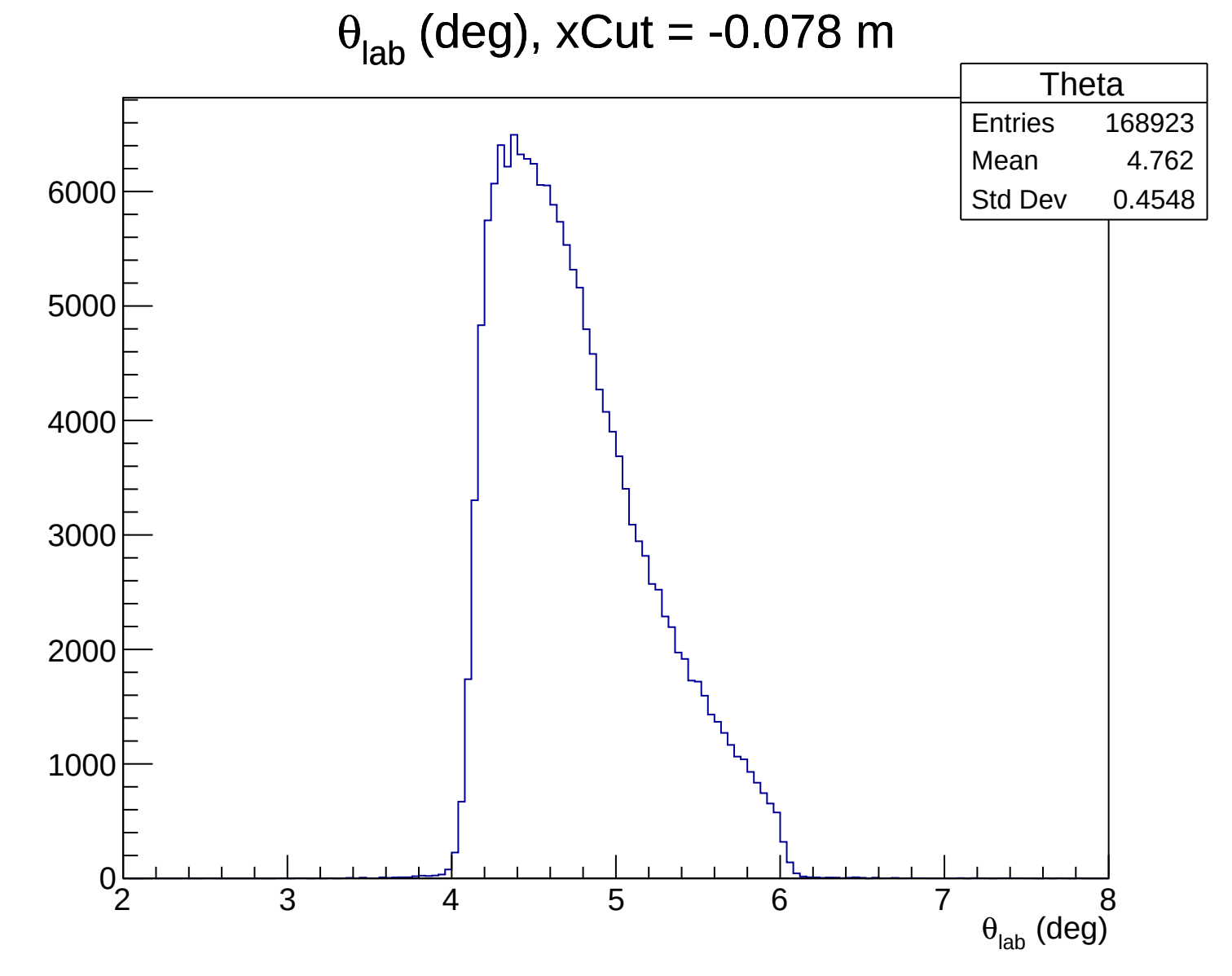

Sensitivity, xCut = -0.076 m
sens
Entries 167133
Mean 0.02203
Std Dev 0.00393
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

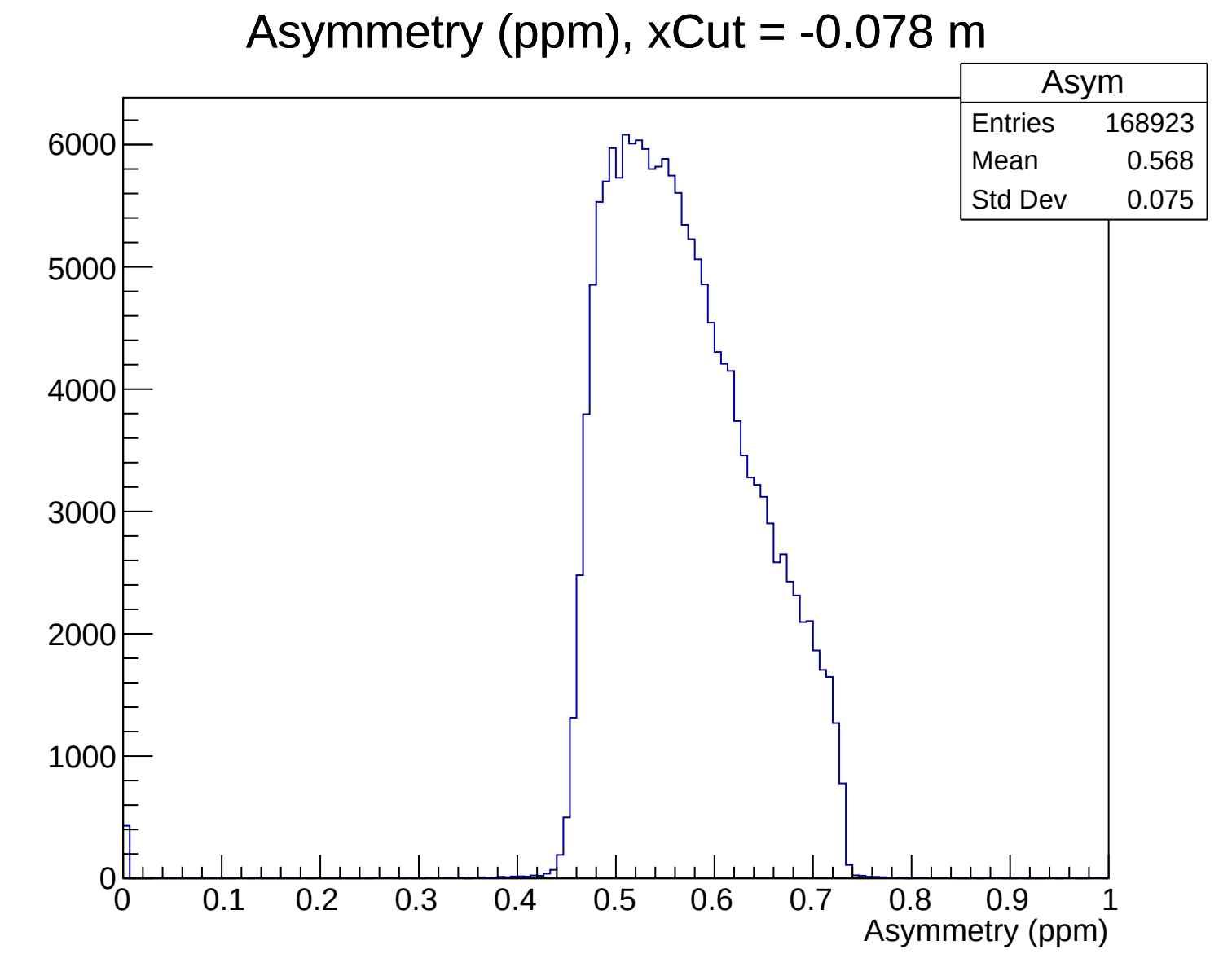

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

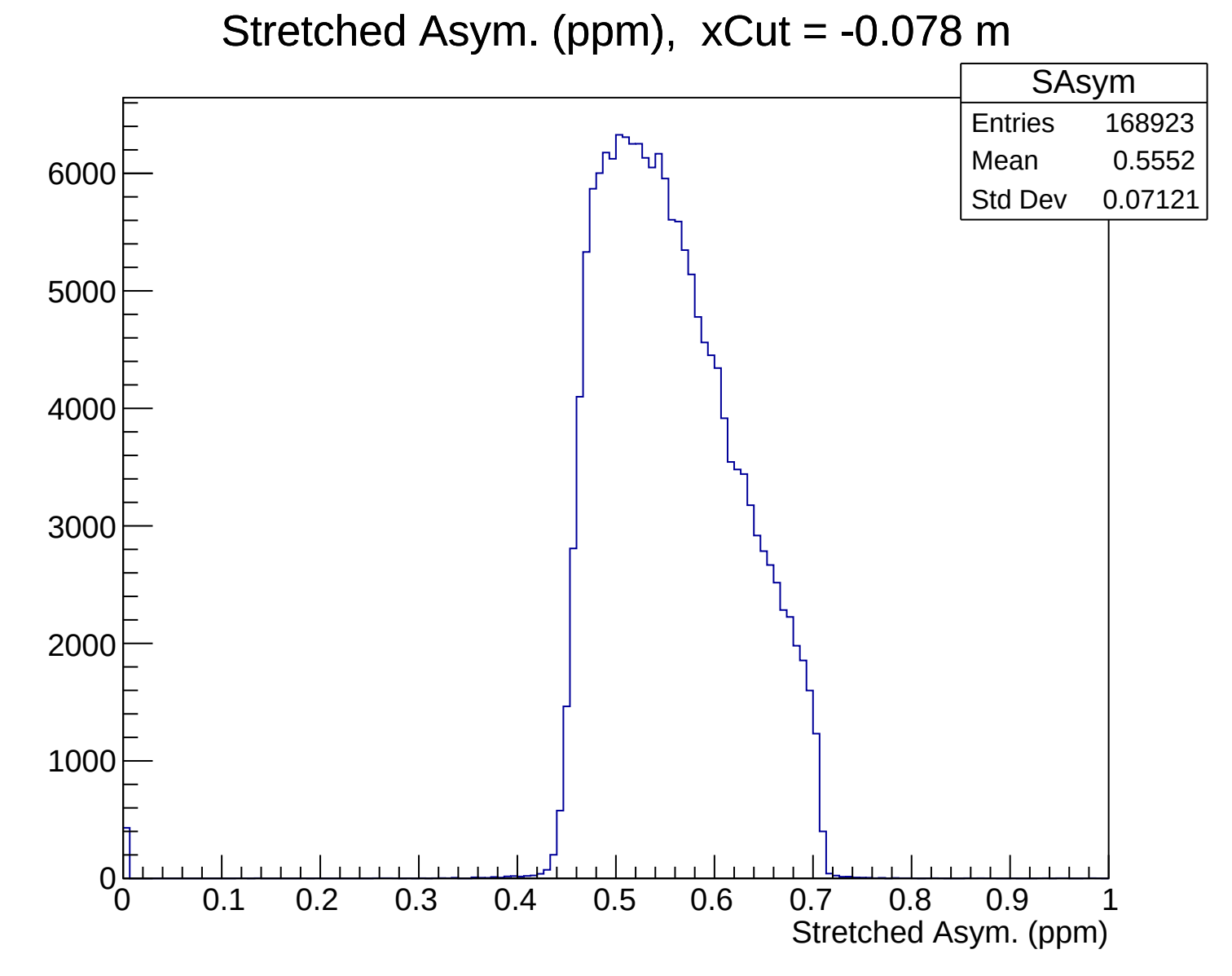

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

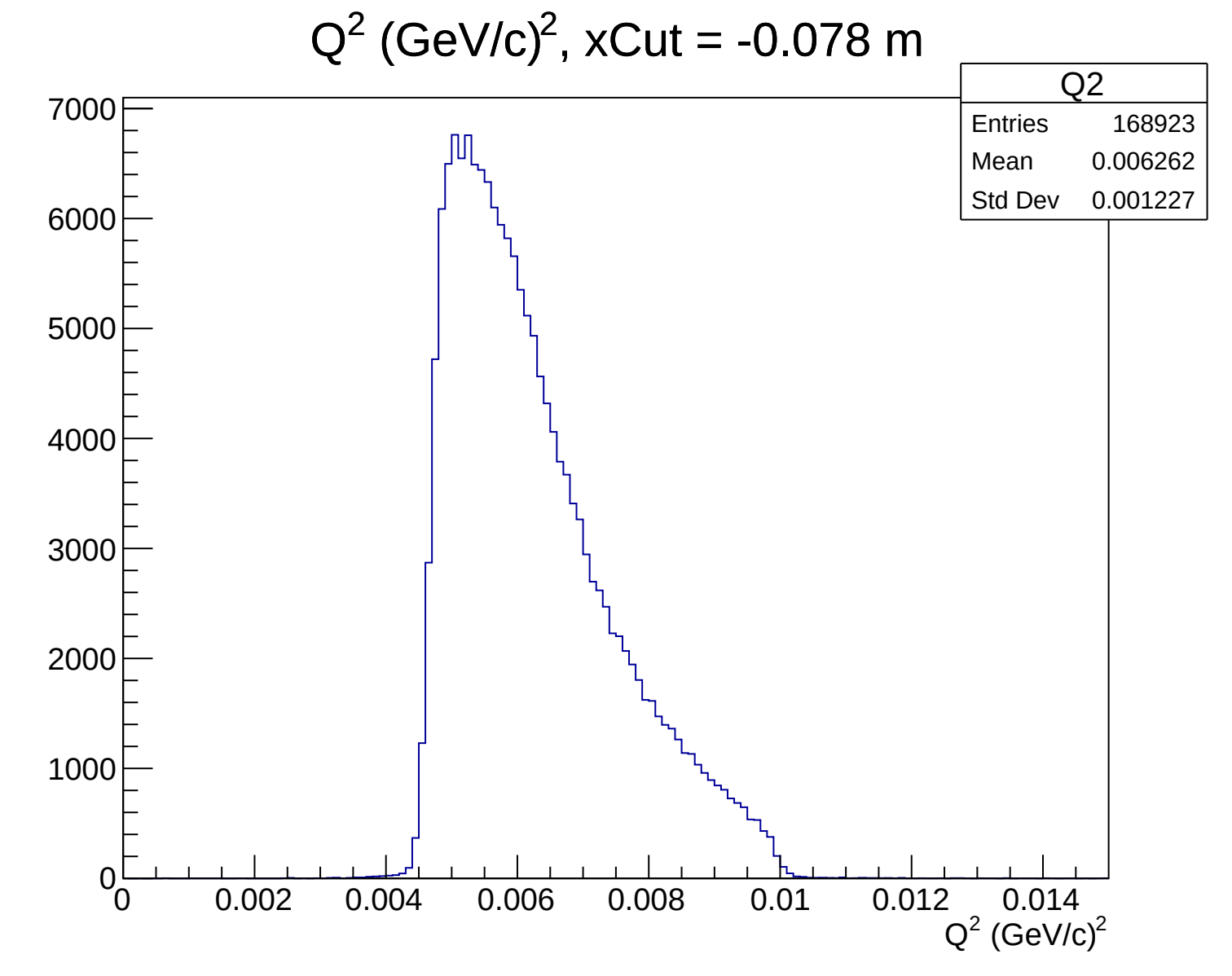

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.078
L.tr.x[0]+1.3*L.tr.th[0] (m)

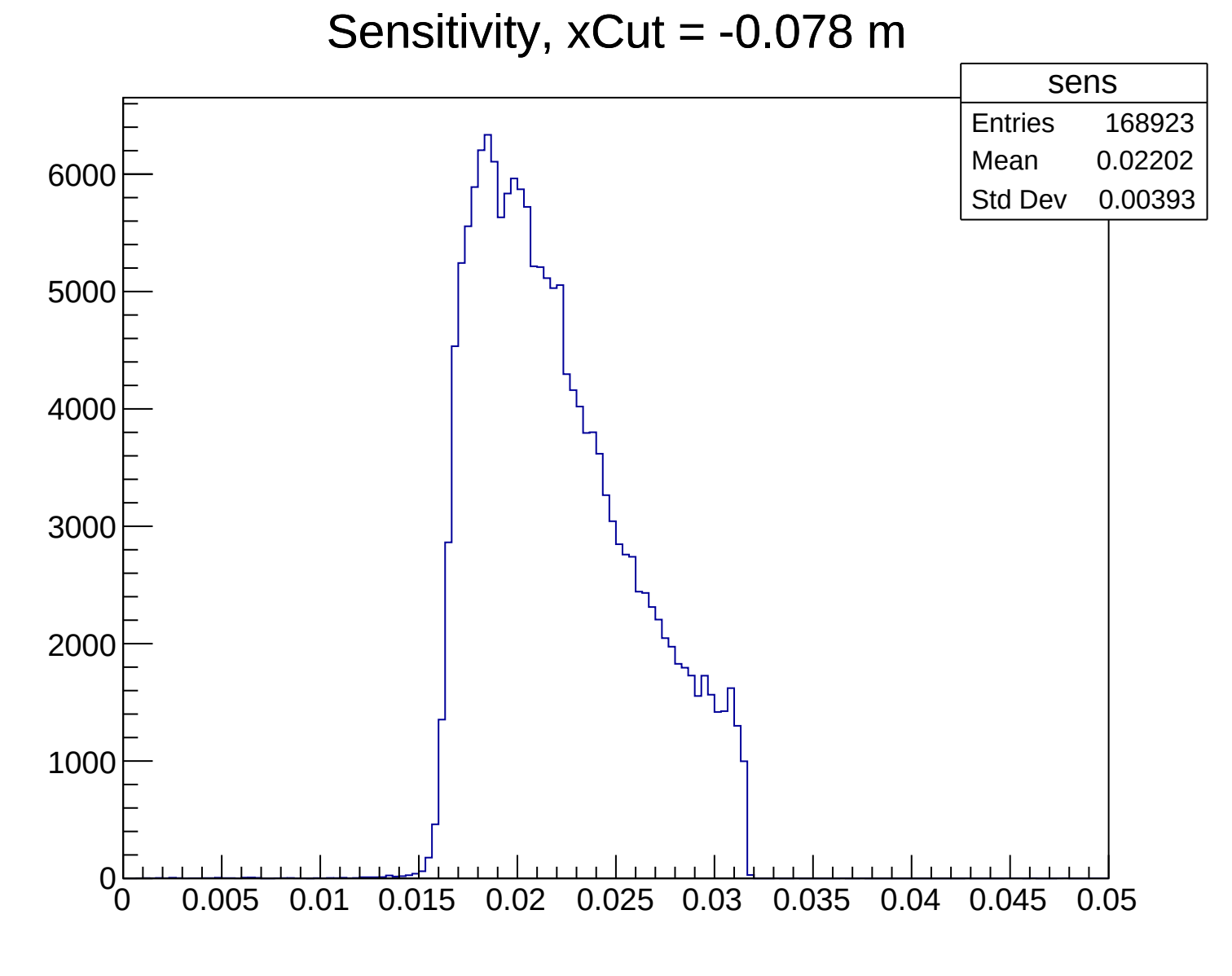

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

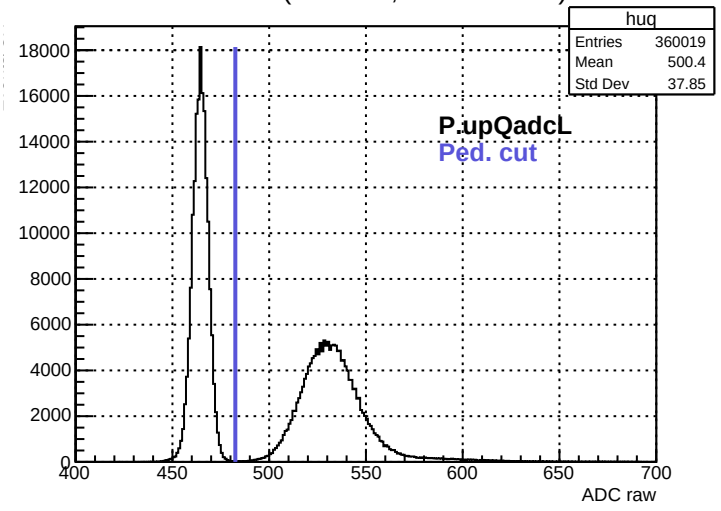

θlab (deg), xCut = -0.078 m
Theta
Entries 168923
Mean 4.762
Std Dev 0.4548
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

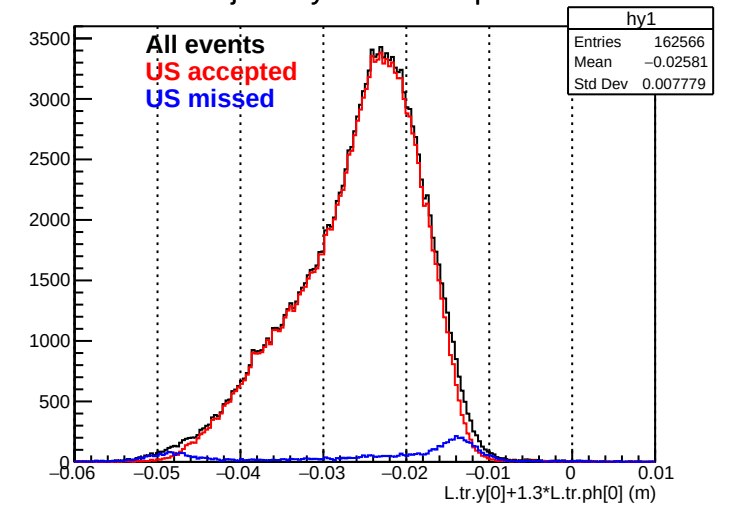

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 168923
Mean 0.568
Std Dev 0.075
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

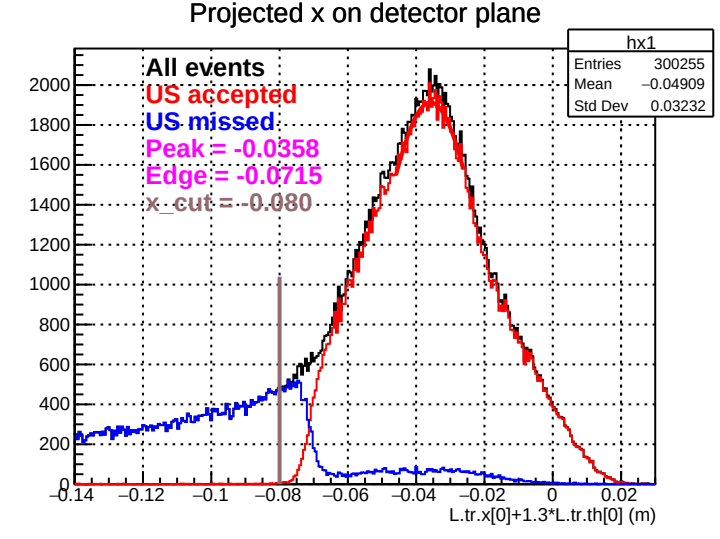

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 168923
Mean 0.5552
Std Dev 0.07121
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

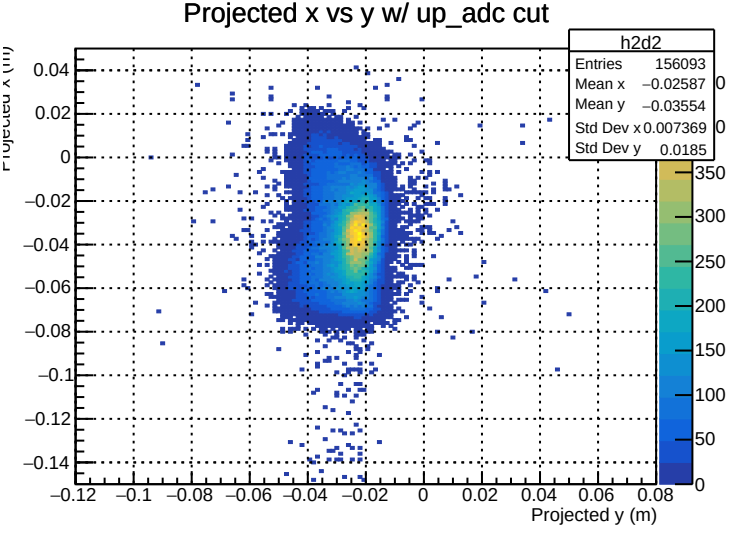

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 168923
Mean 0.006262
Std Dev 0.001227
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

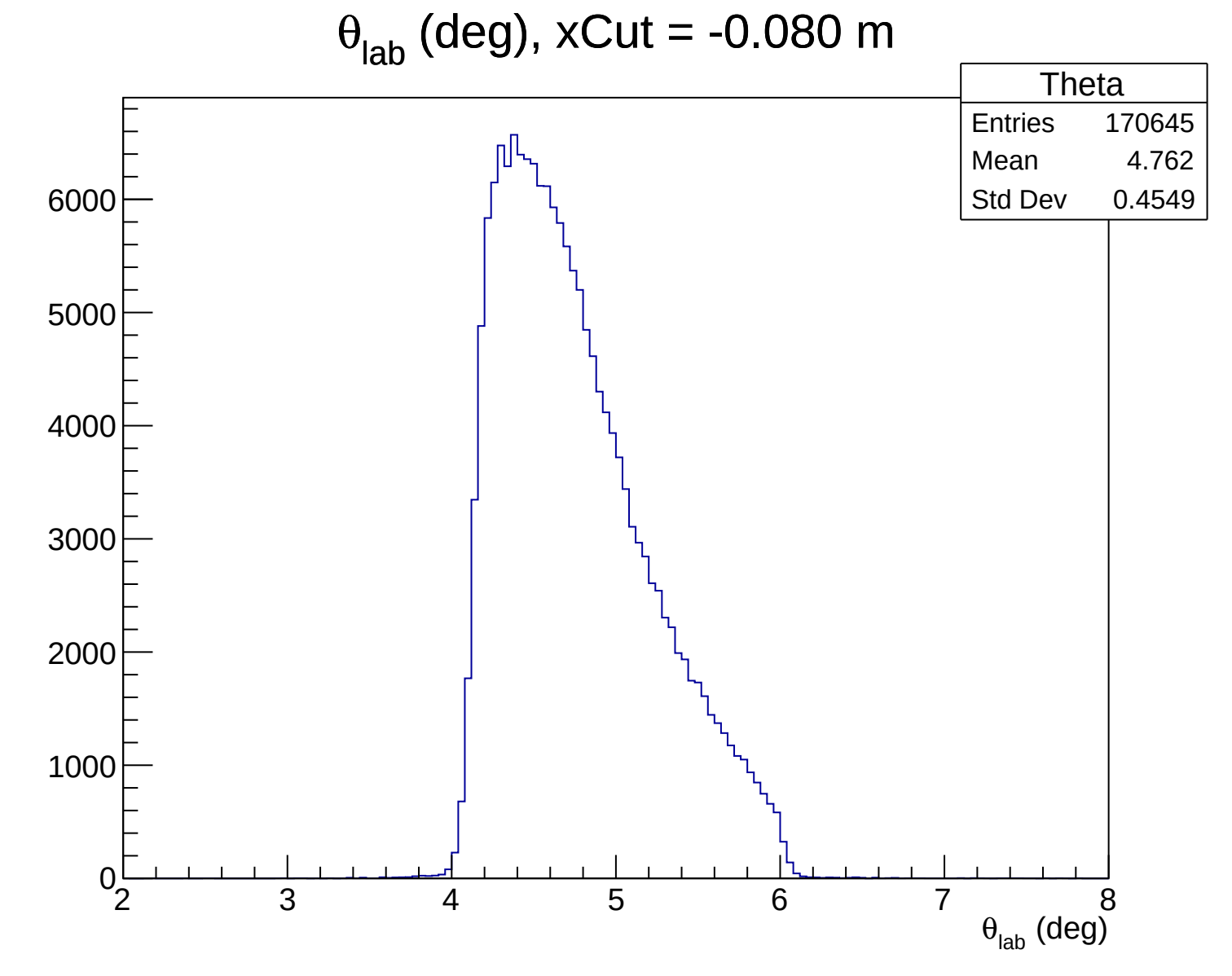

Sensitivity, xCut = -0.078 m
sens
Entries 168923
Mean 0.02202
Std Dev 0.00393
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

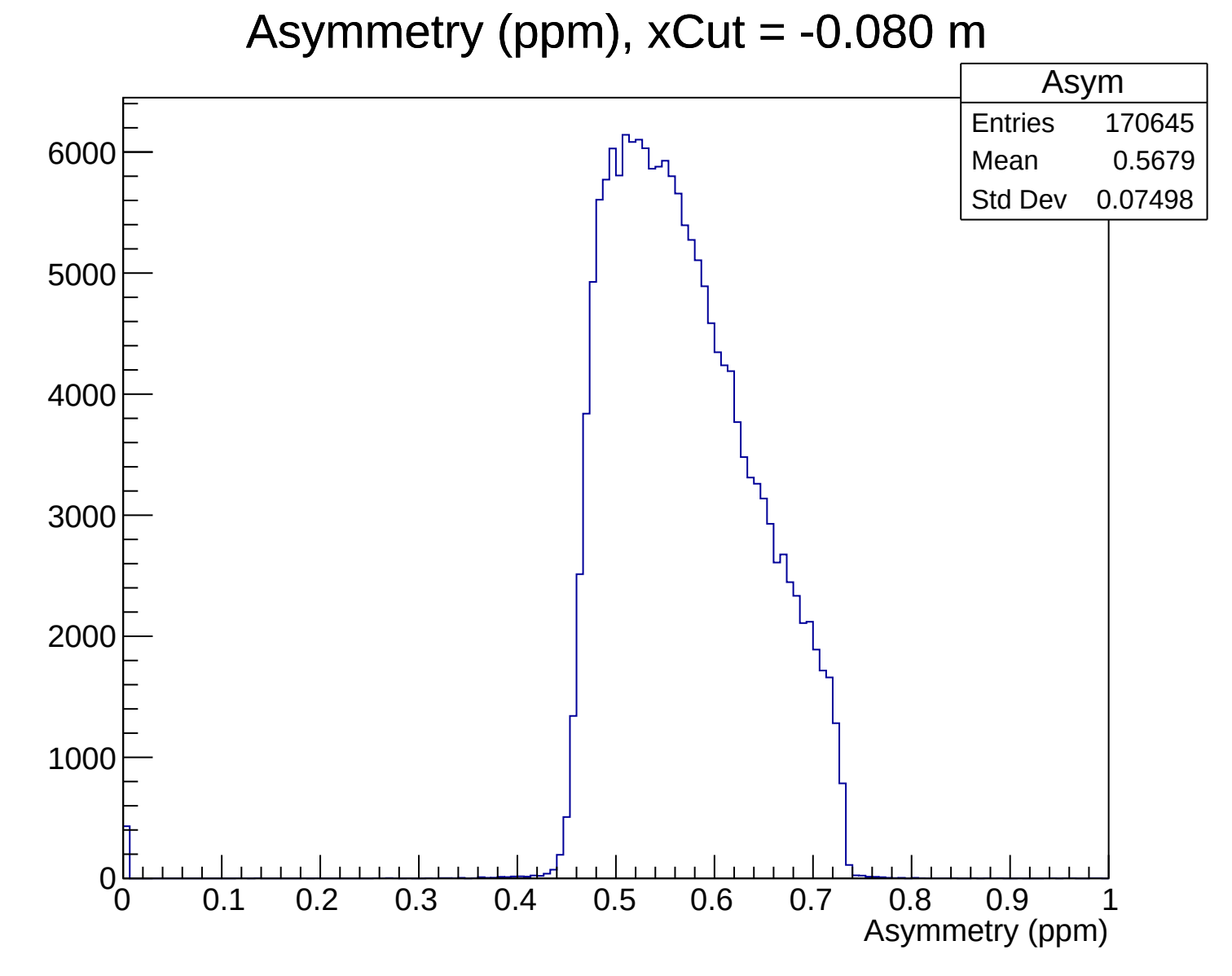

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

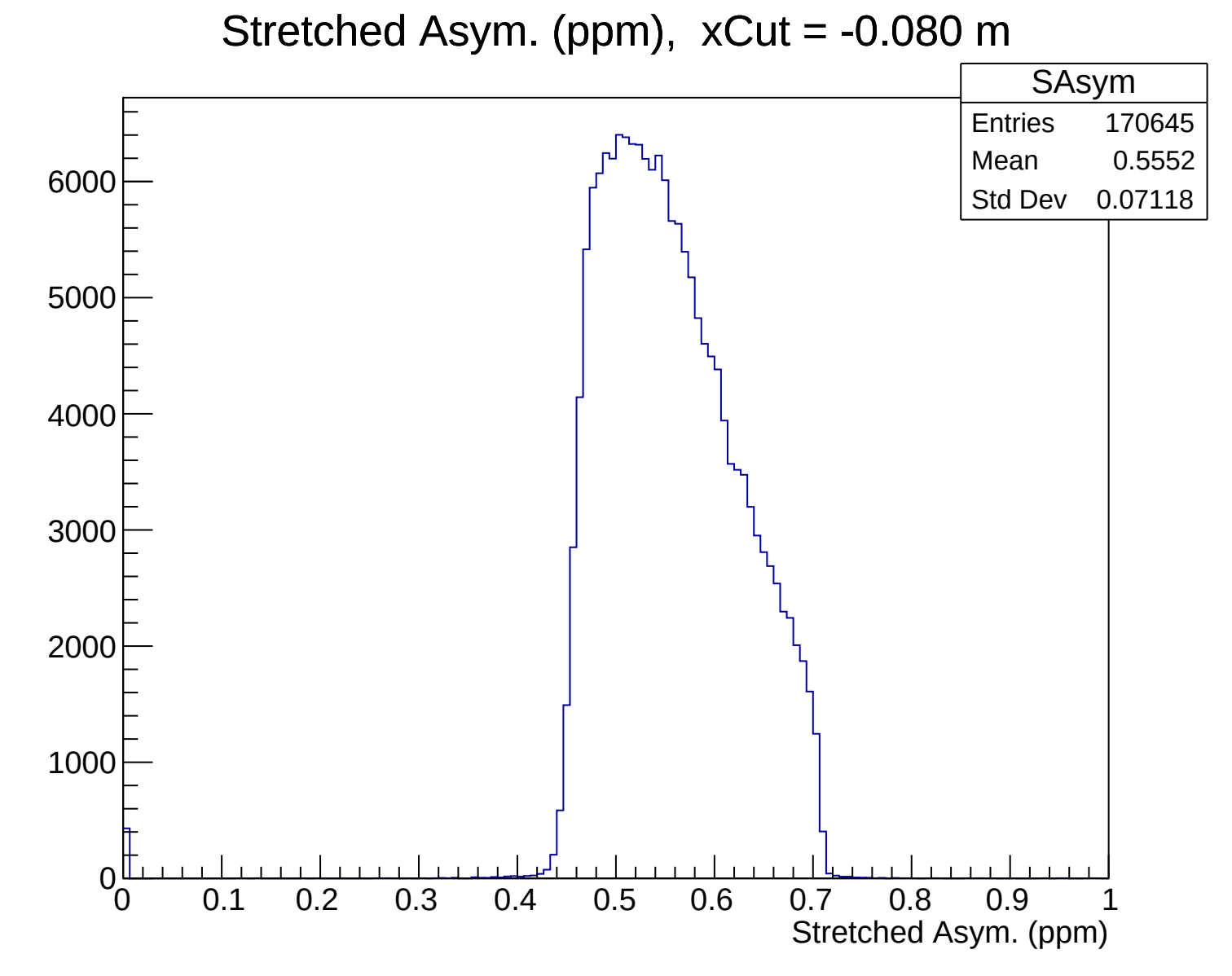

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

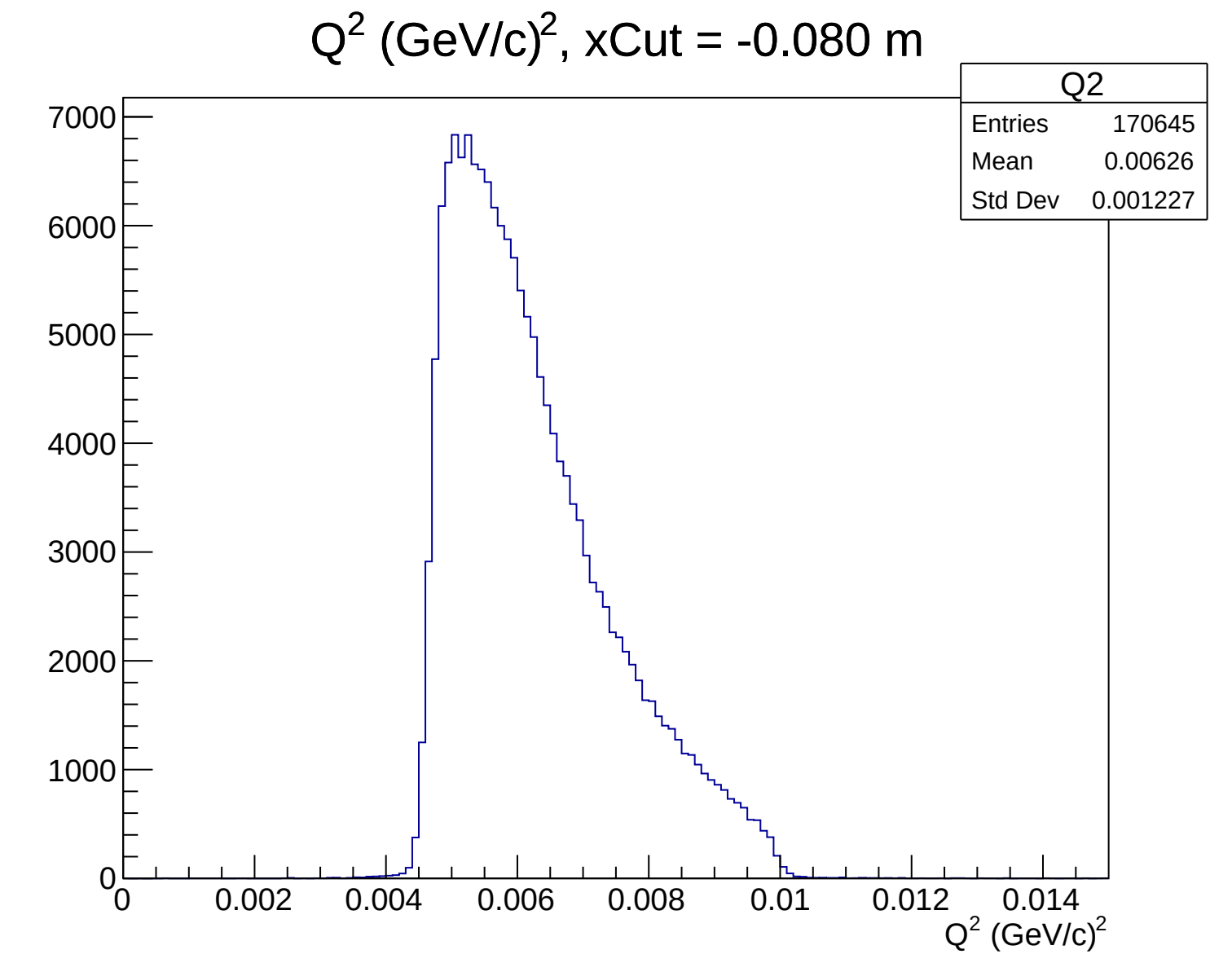

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

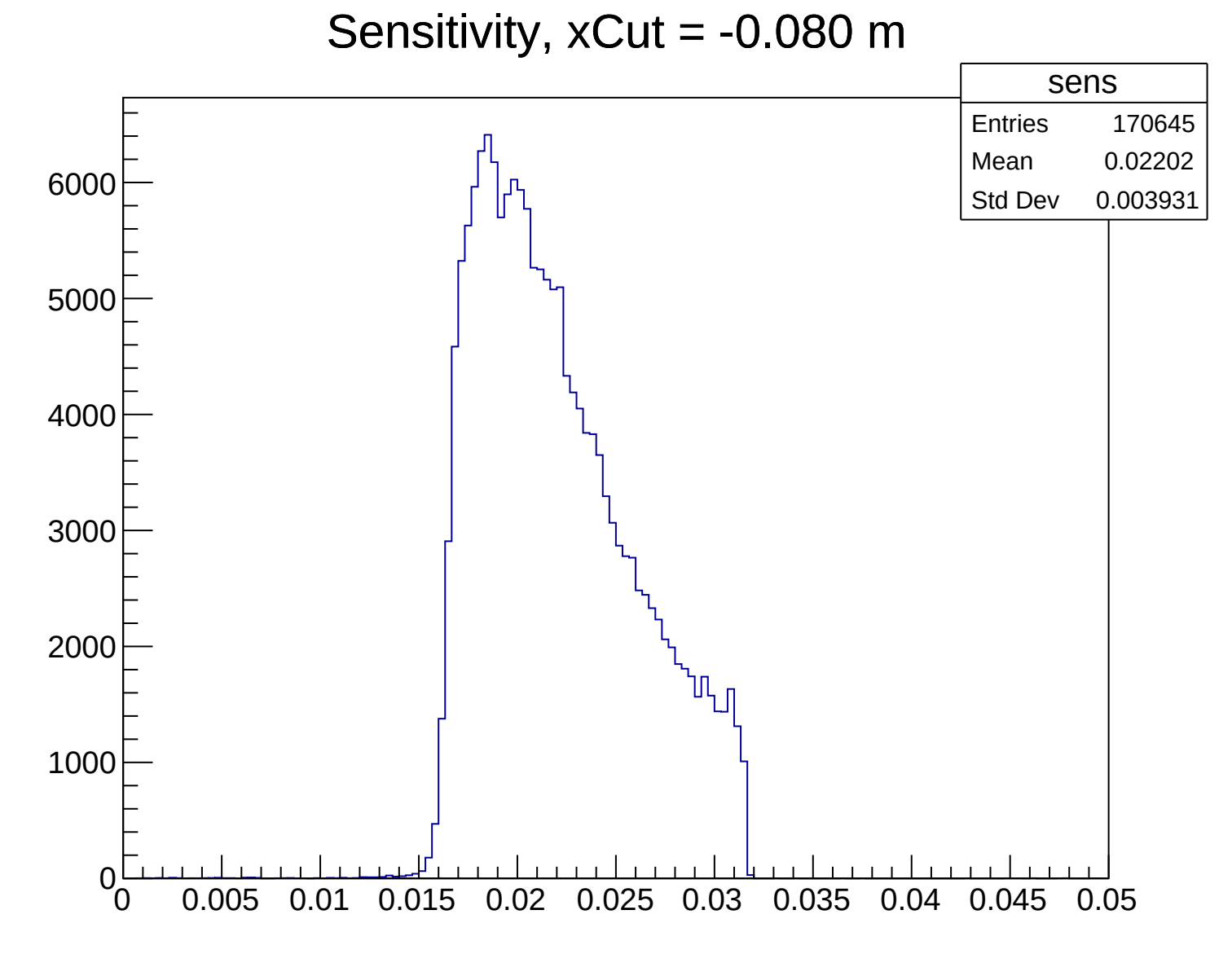

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

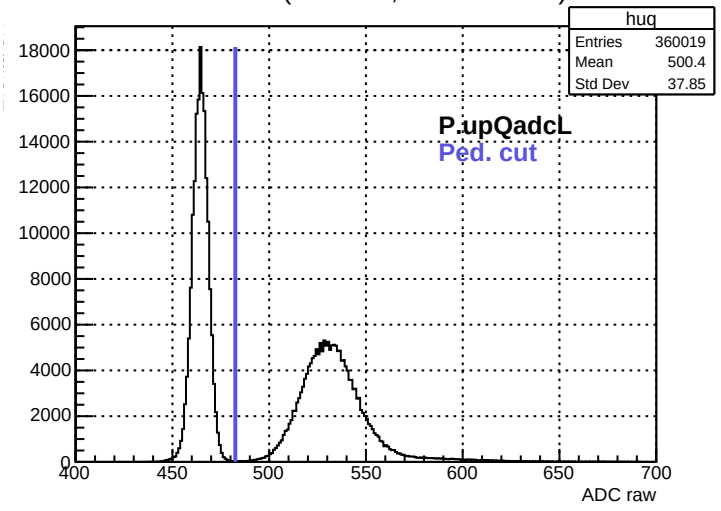

θlab (deg), xCut = -0.080 m
Theta
Entries 170645
Mean 4.762
Std Dev 0.4549
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

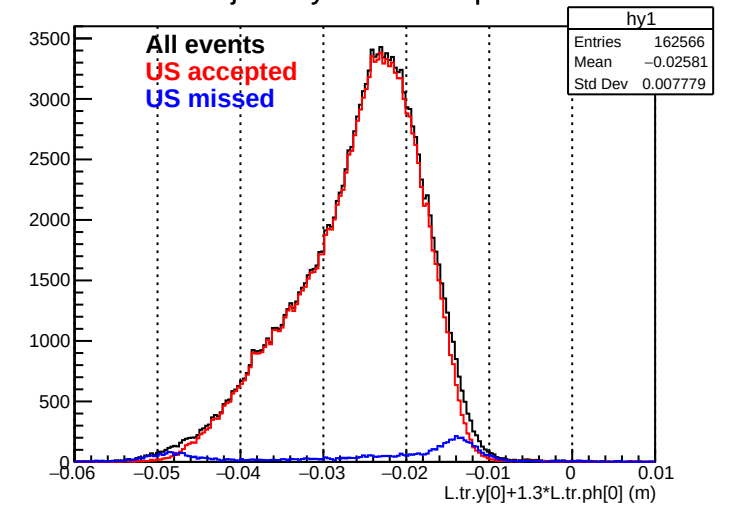

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 170645
Mean 0.5679
Std Dev 0.07498
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

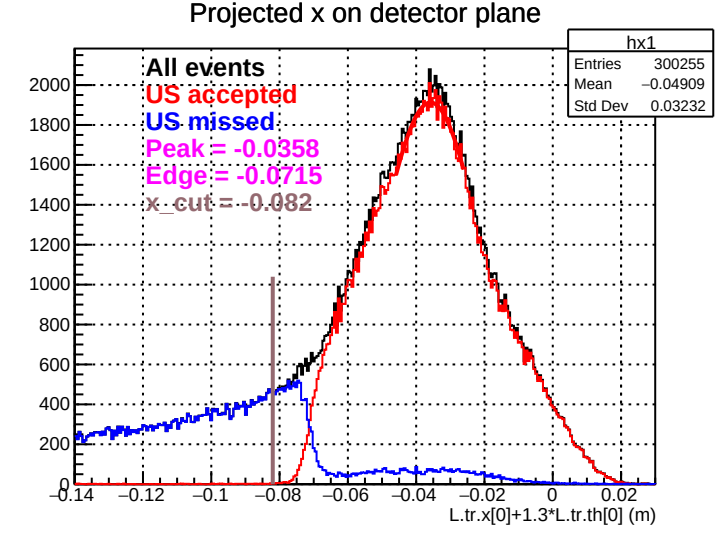

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 170645
Mean 0.5552
Std Dev 0.07118
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

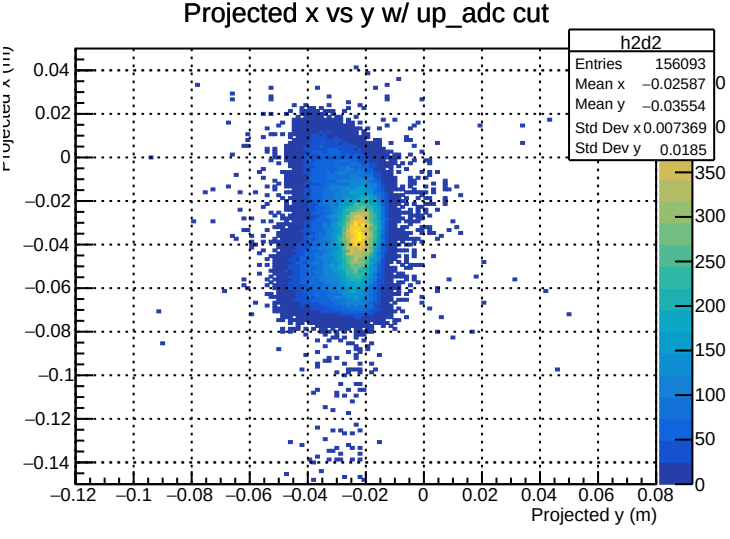

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 170645
Mean 0.00626
Std Dev 0.001227
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

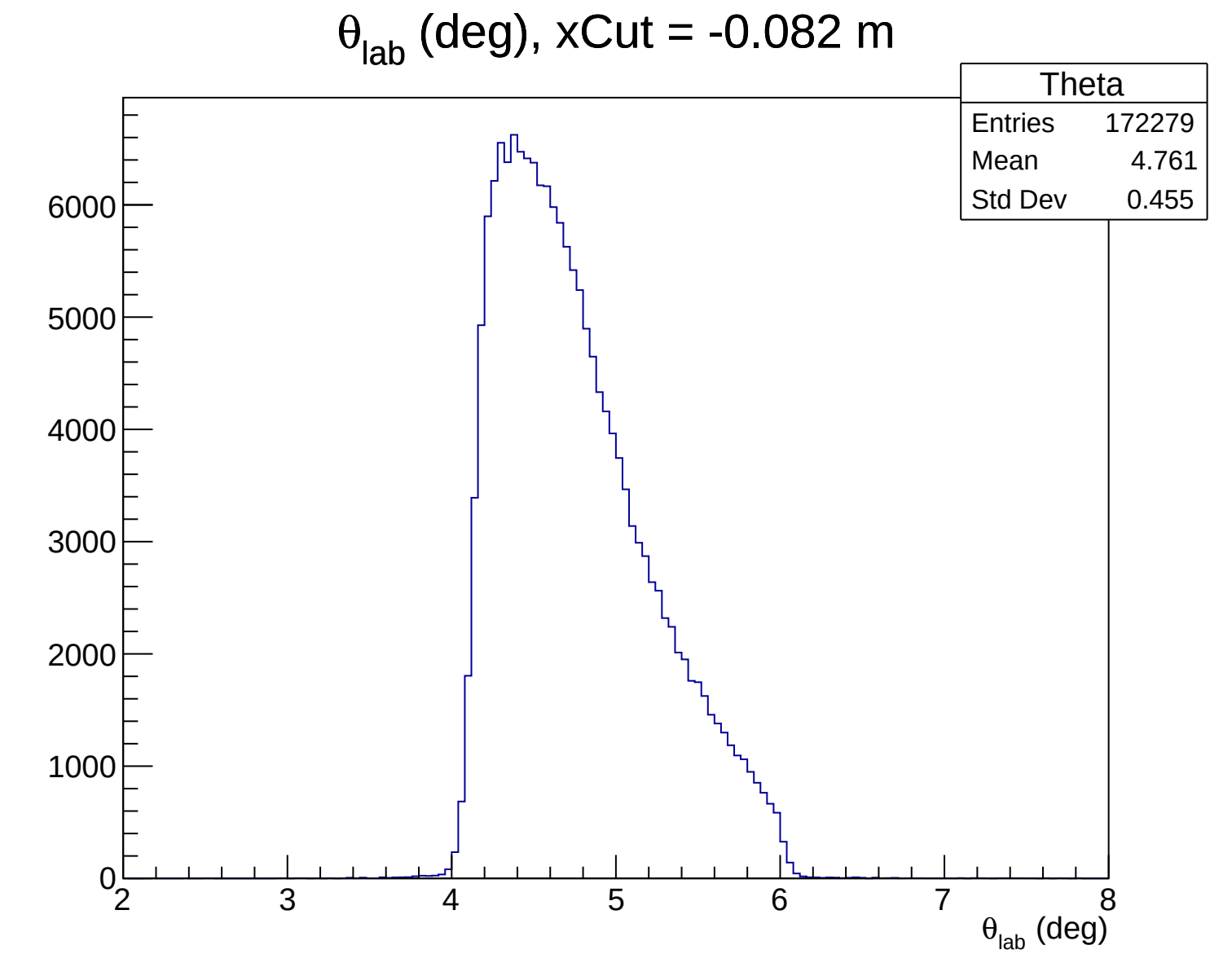

Sensitivity, xCut = -0.080 m
sens
Entries 170645
Mean 0.02202
Std Dev 0.003931
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

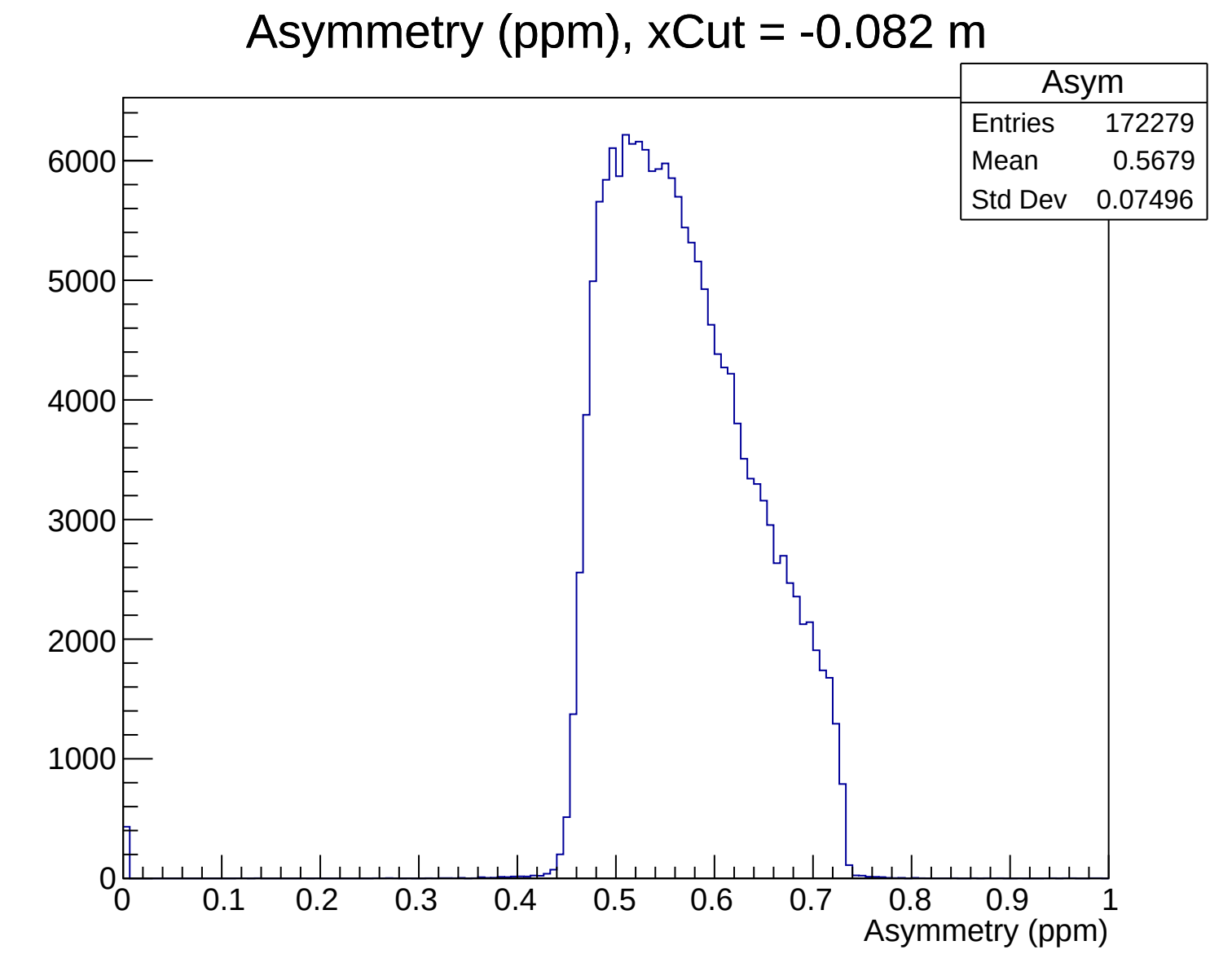

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

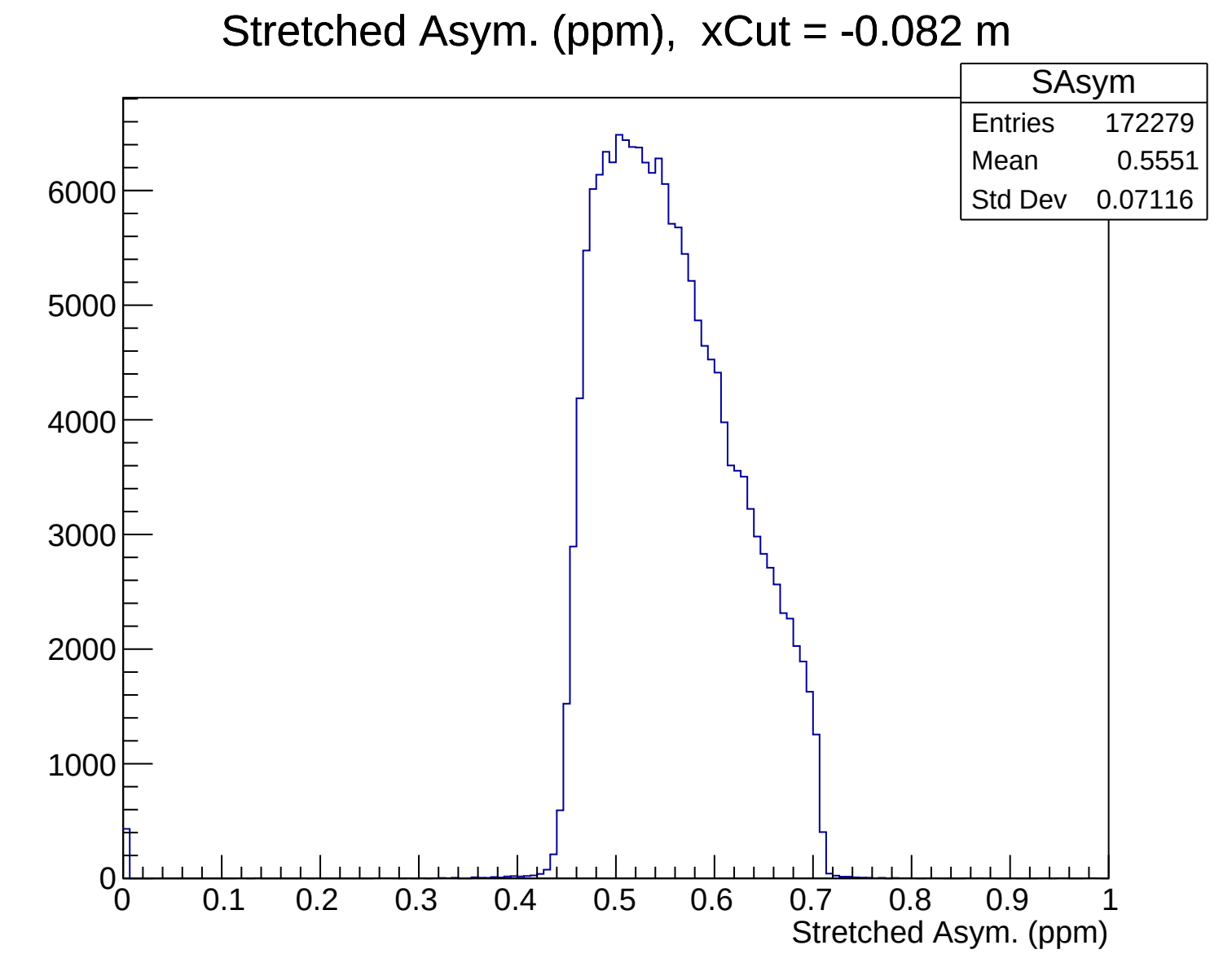

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

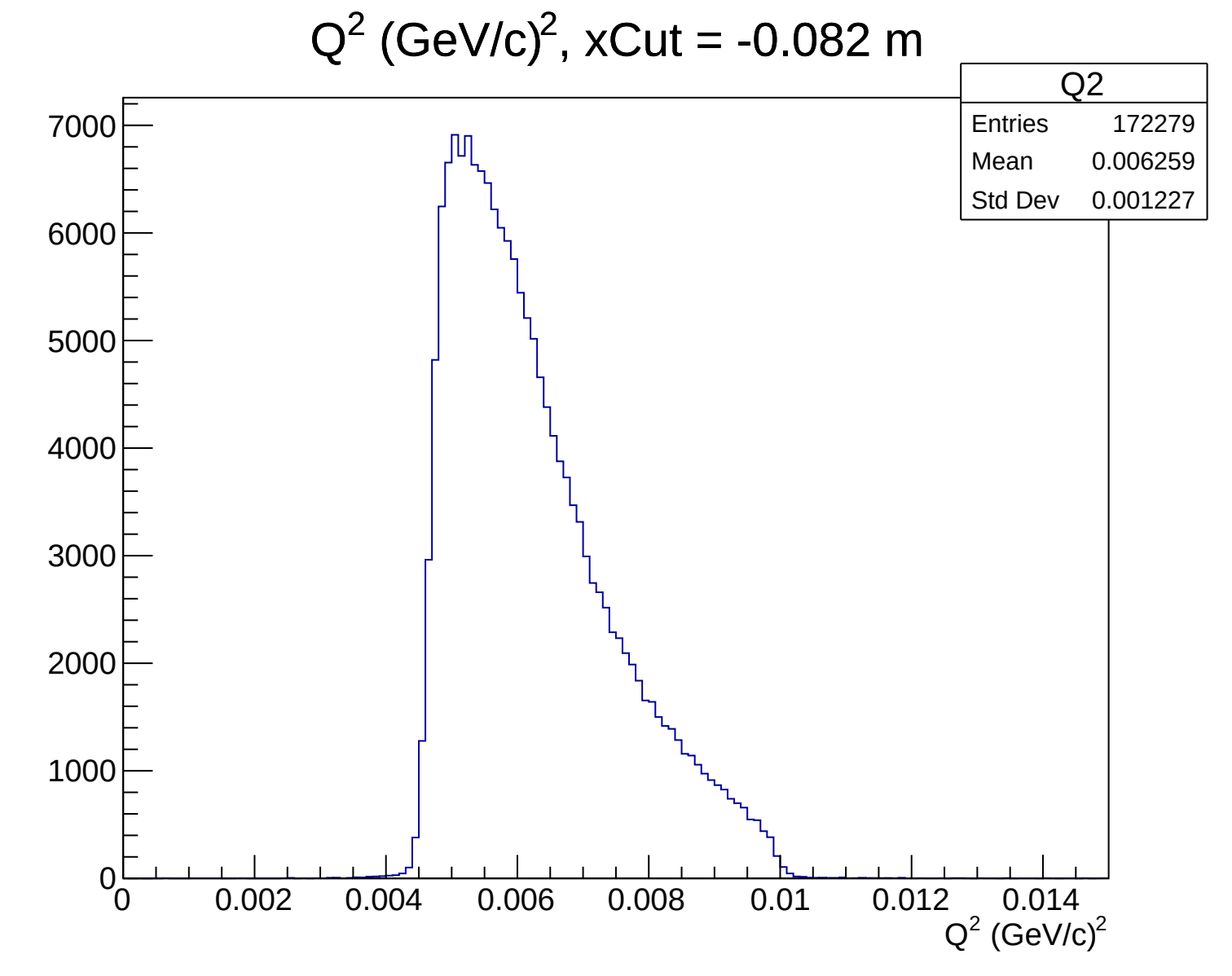

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.082
L.tr.x[0]+1.3*L.tr.th[0] (m)

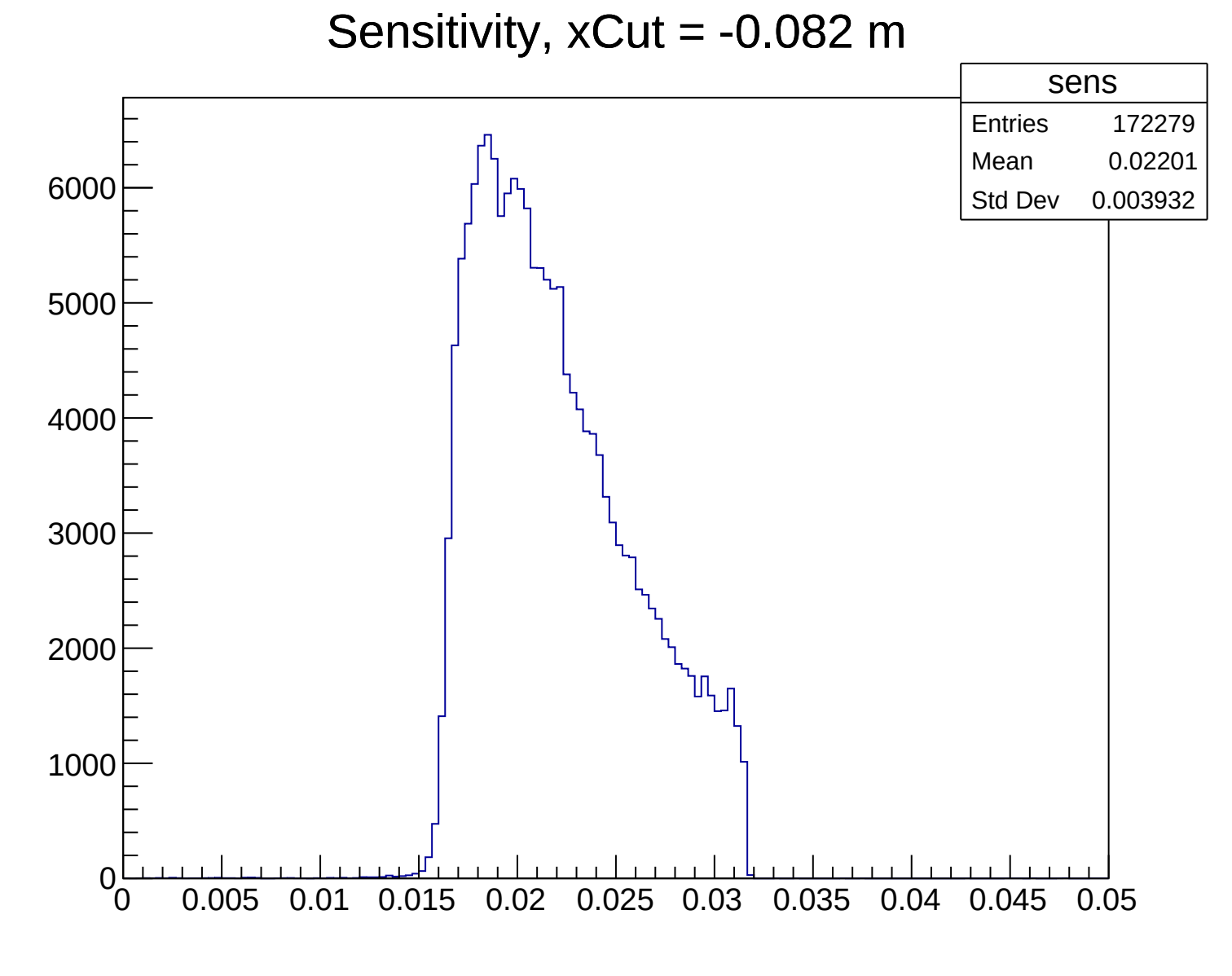

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

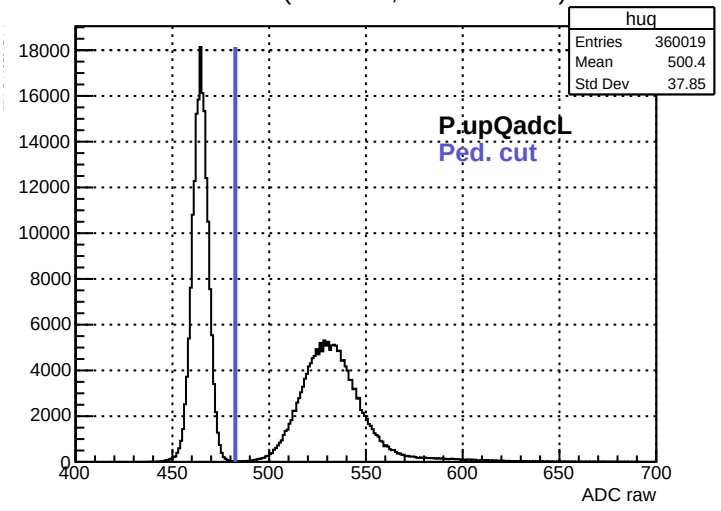

θlab (deg), xCut = -0.082 m
Theta
Entries 172279
Mean 4.761
Std Dev 0.455
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

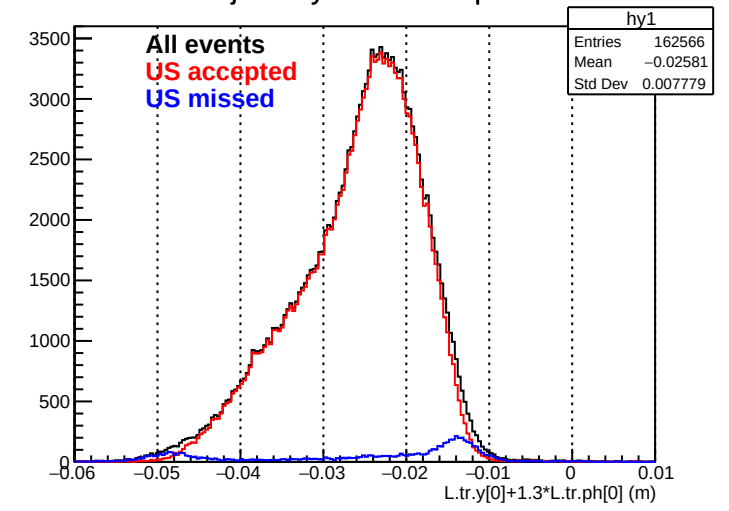

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 172279
Mean 0.5679
Std Dev 0.07496
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

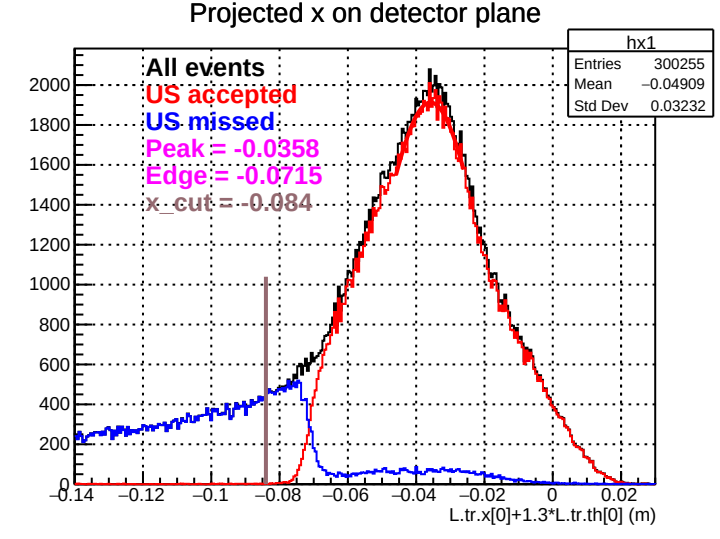

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 172279
Mean 0.5551
Std Dev 0.07116
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

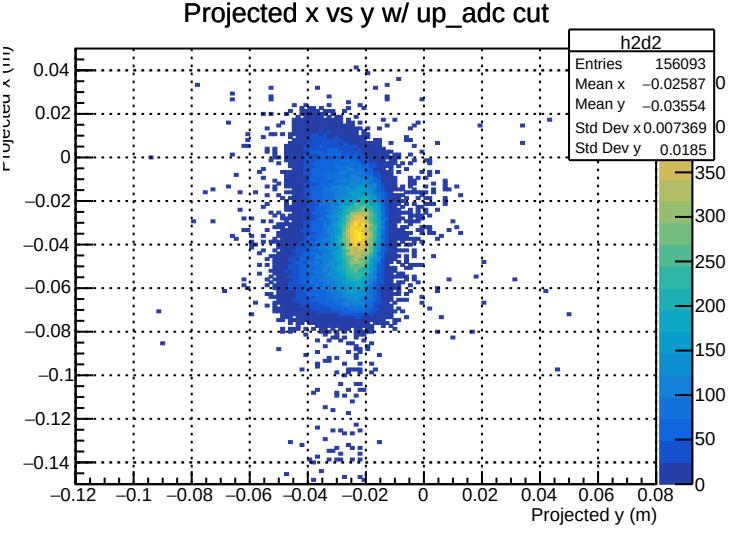

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 172279
Mean 0.006259
Std Dev 0.001227
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

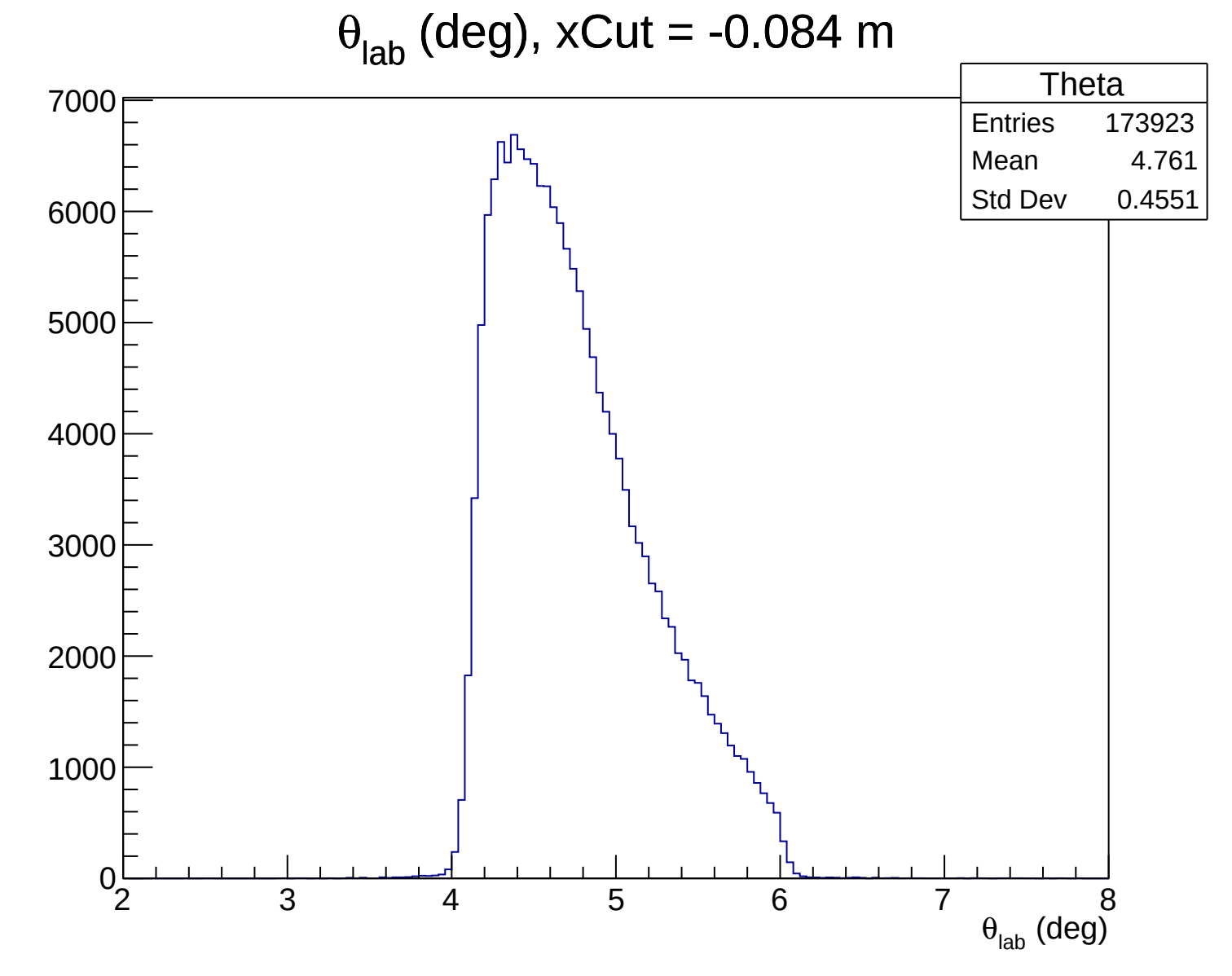

Sensitivity, xCut = -0.082 m
sens
Entries 172279
Mean 0.02201
Std Dev 0.003932
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

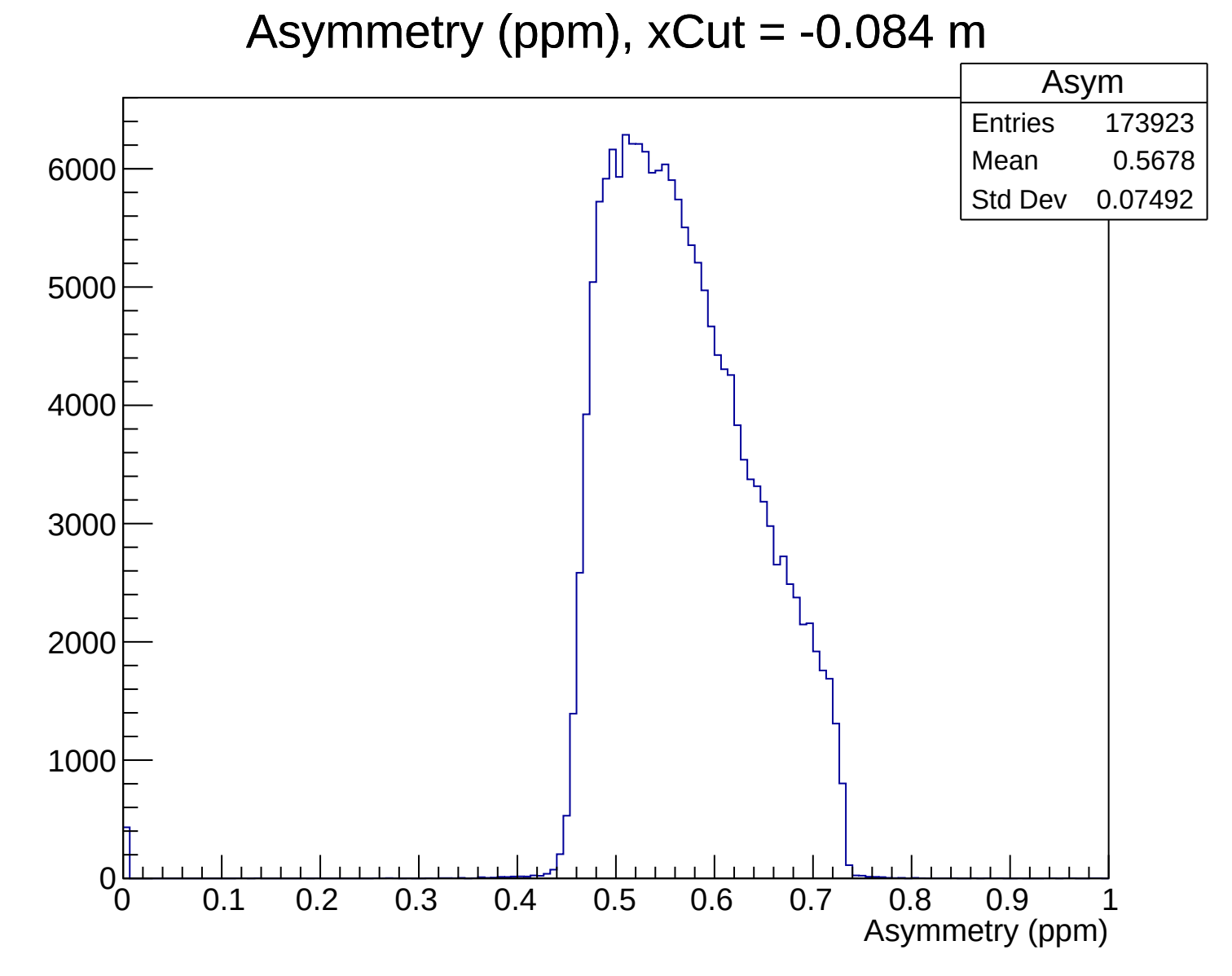

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

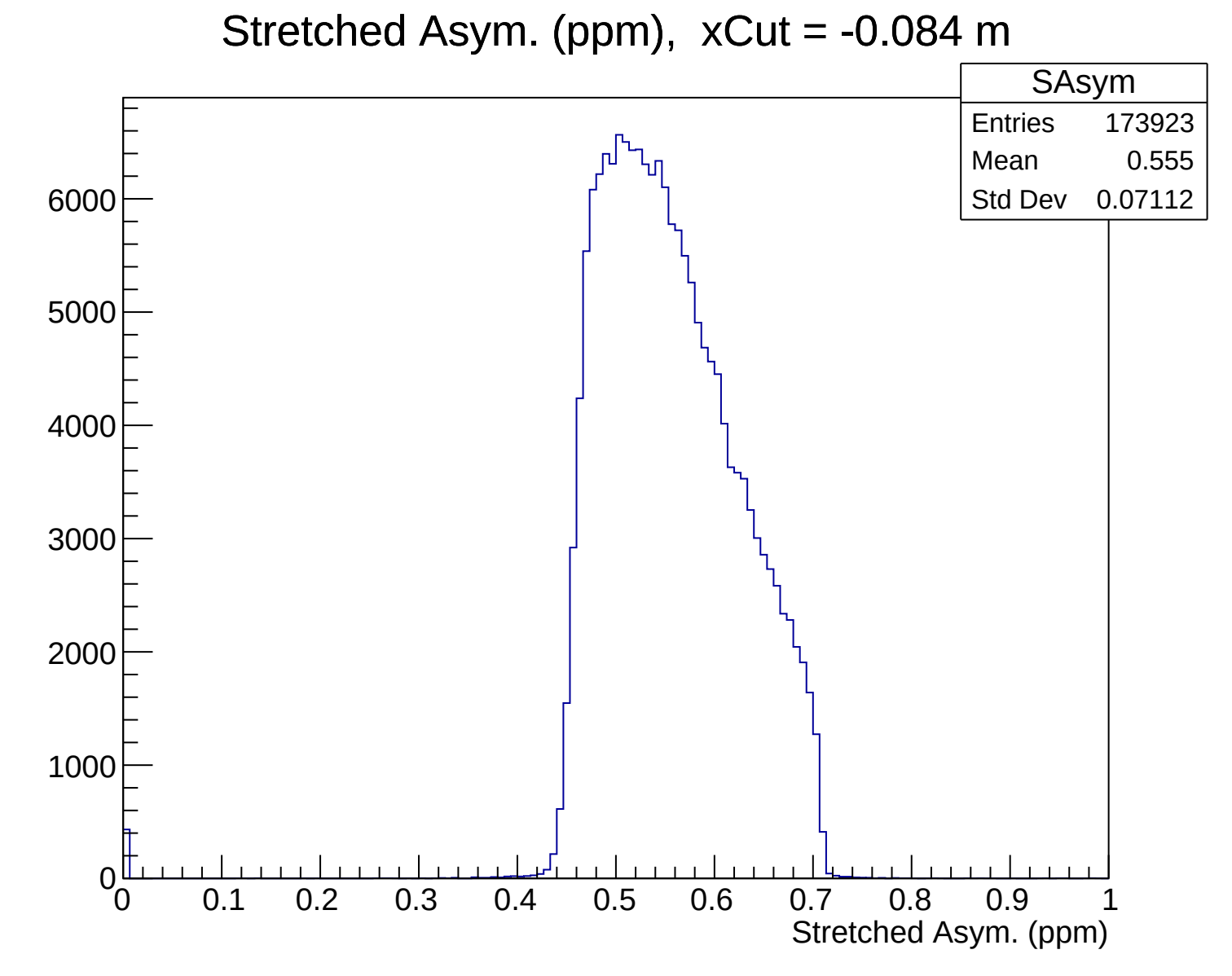

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

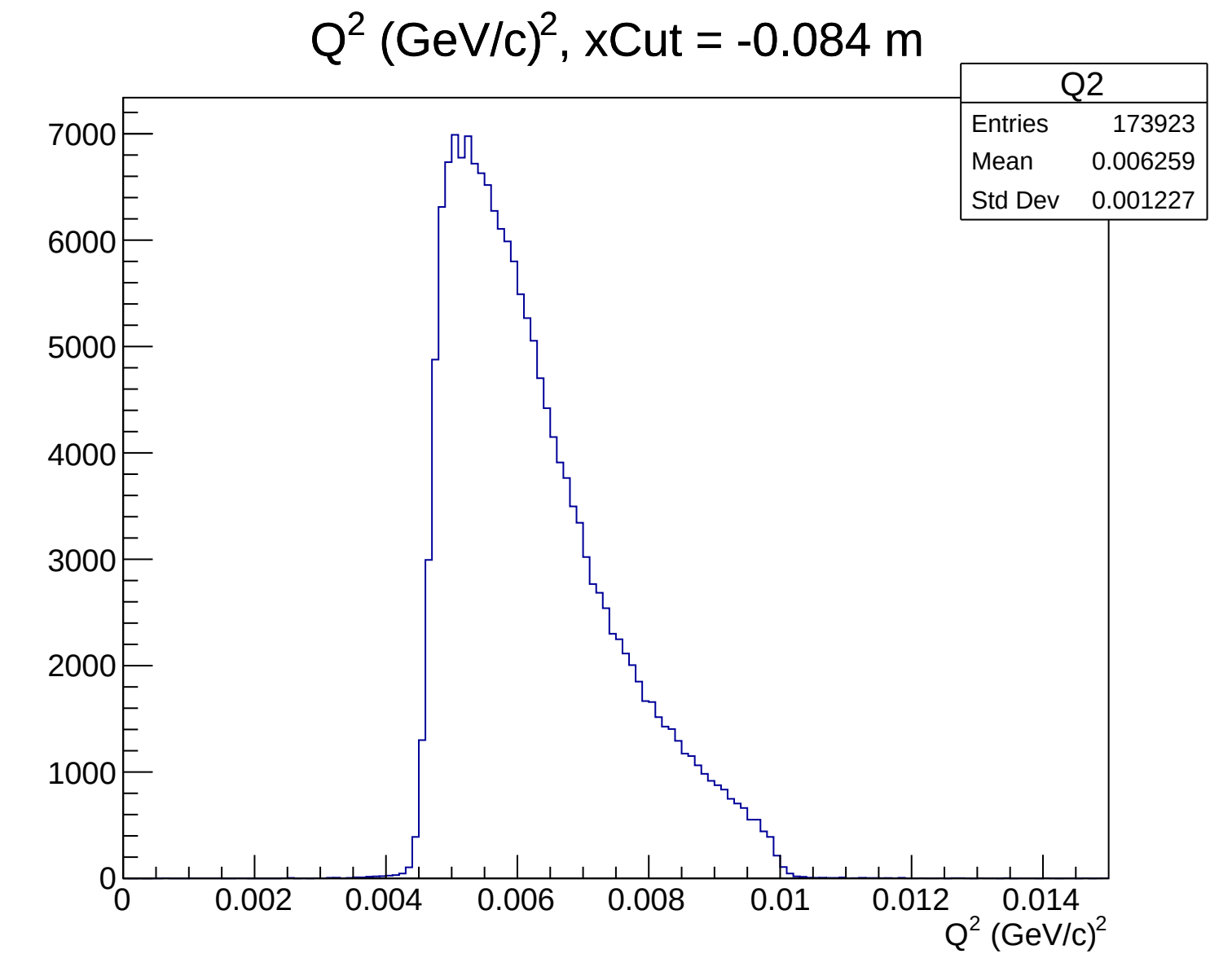

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

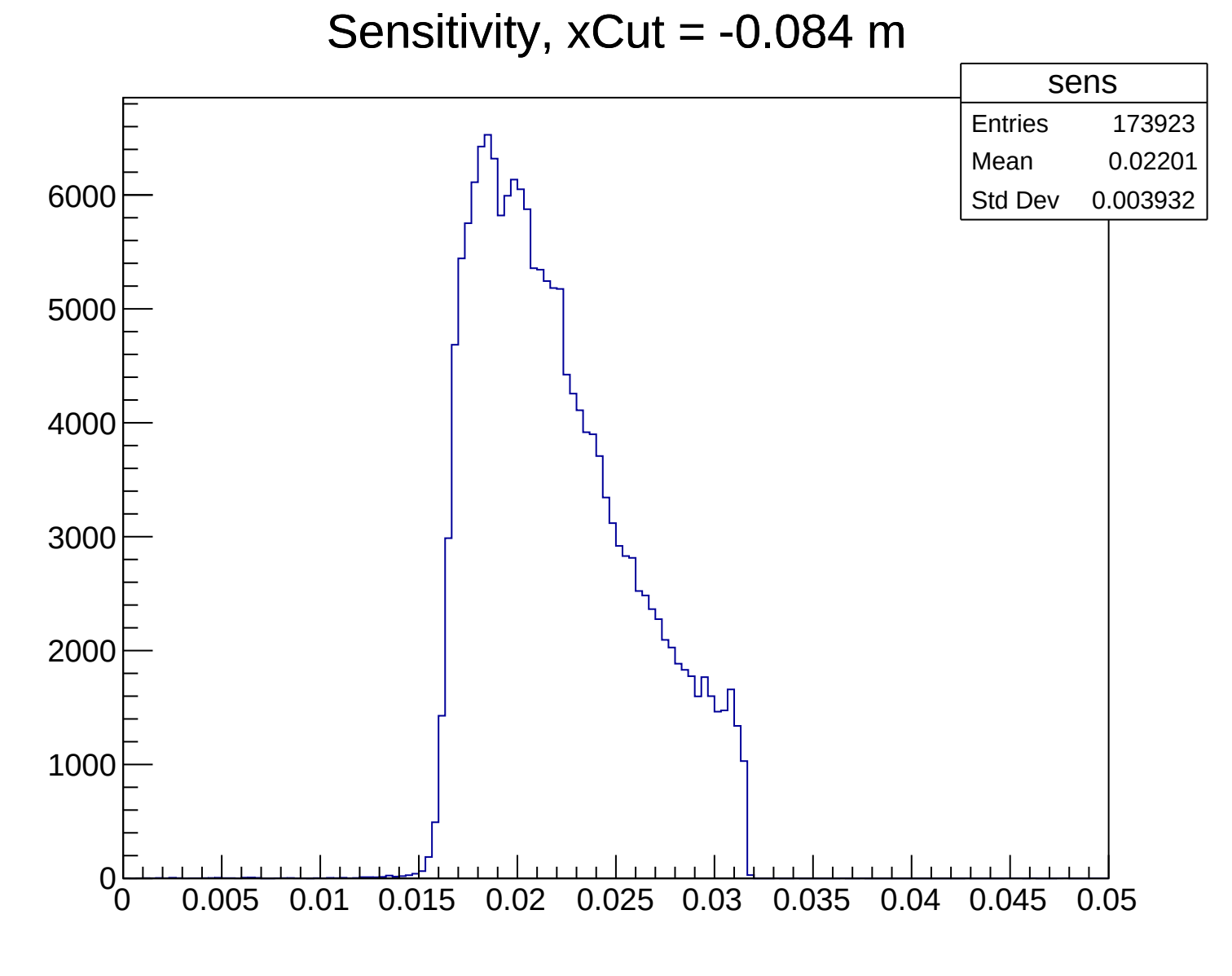

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

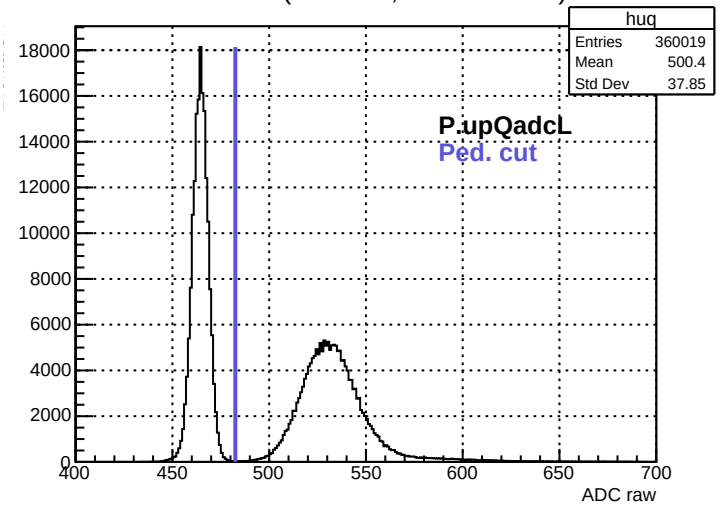

θlab (deg), xCut = -0.084 m
Theta
Entries 173923
Mean 4.761
Std Dev 0.4551
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

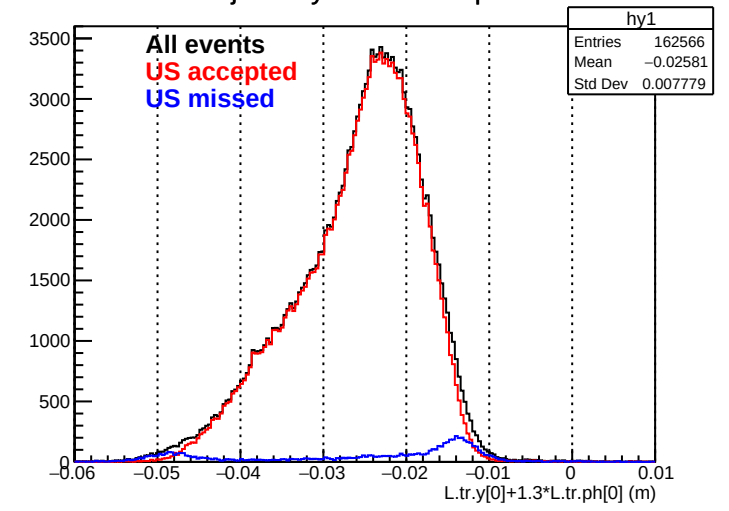

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 173923
Mean 0.5678
Std Dev 0.07492
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

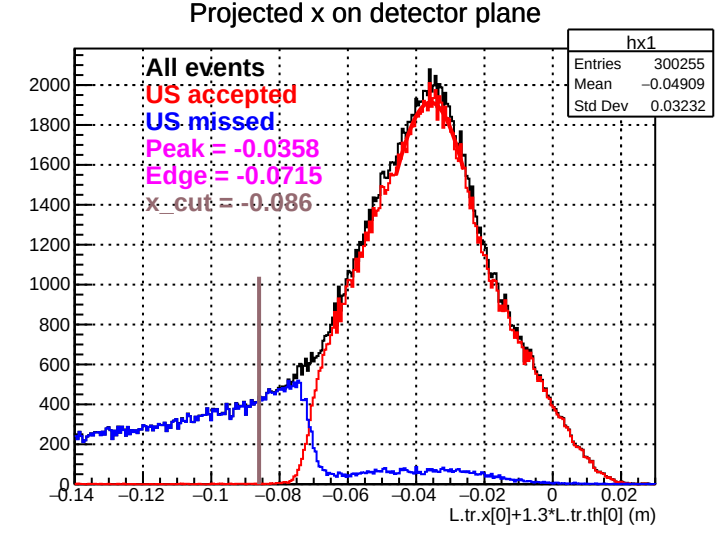

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 173923
Mean 0.555
Std Dev 0.07112
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

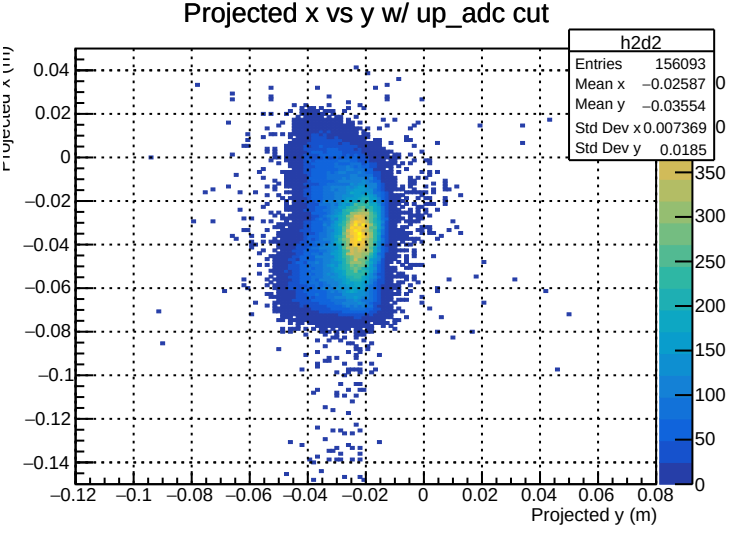

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 173923
Mean 0.006259
Std Dev 0.001227
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

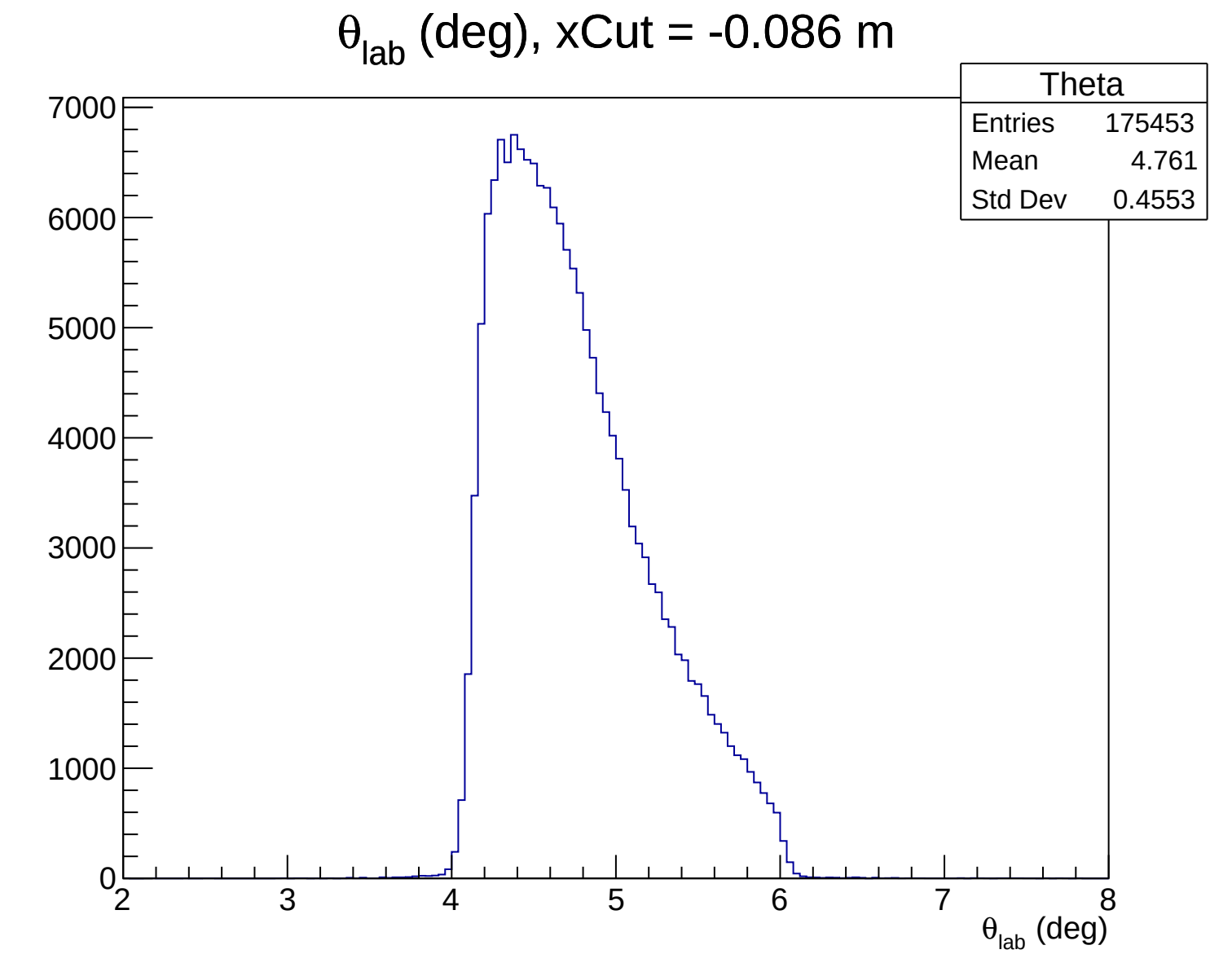

Sensitivity, xCut = -0.084 m
sens
Entries 173923
Mean 0.02201
Std Dev 0.003932
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

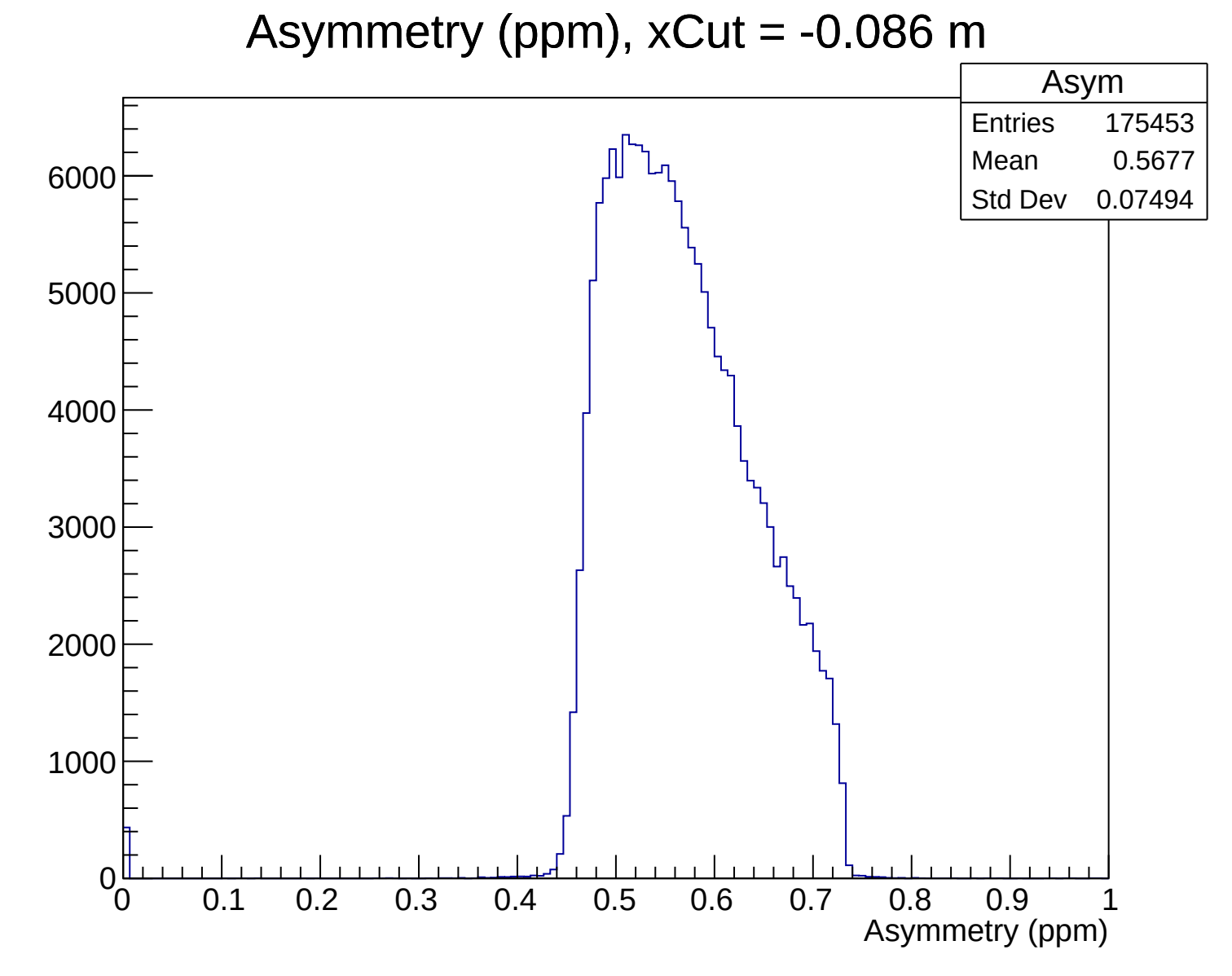

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

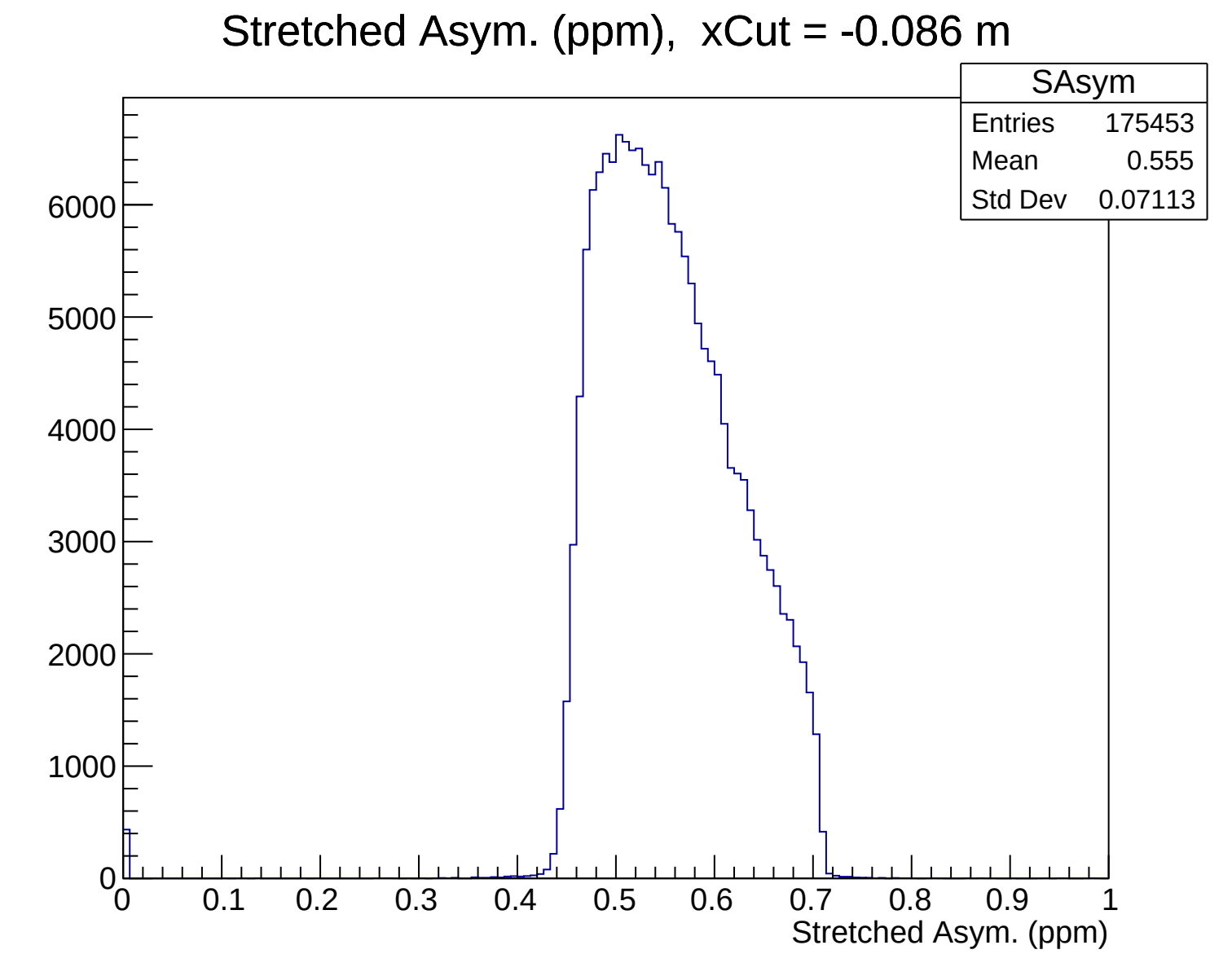

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

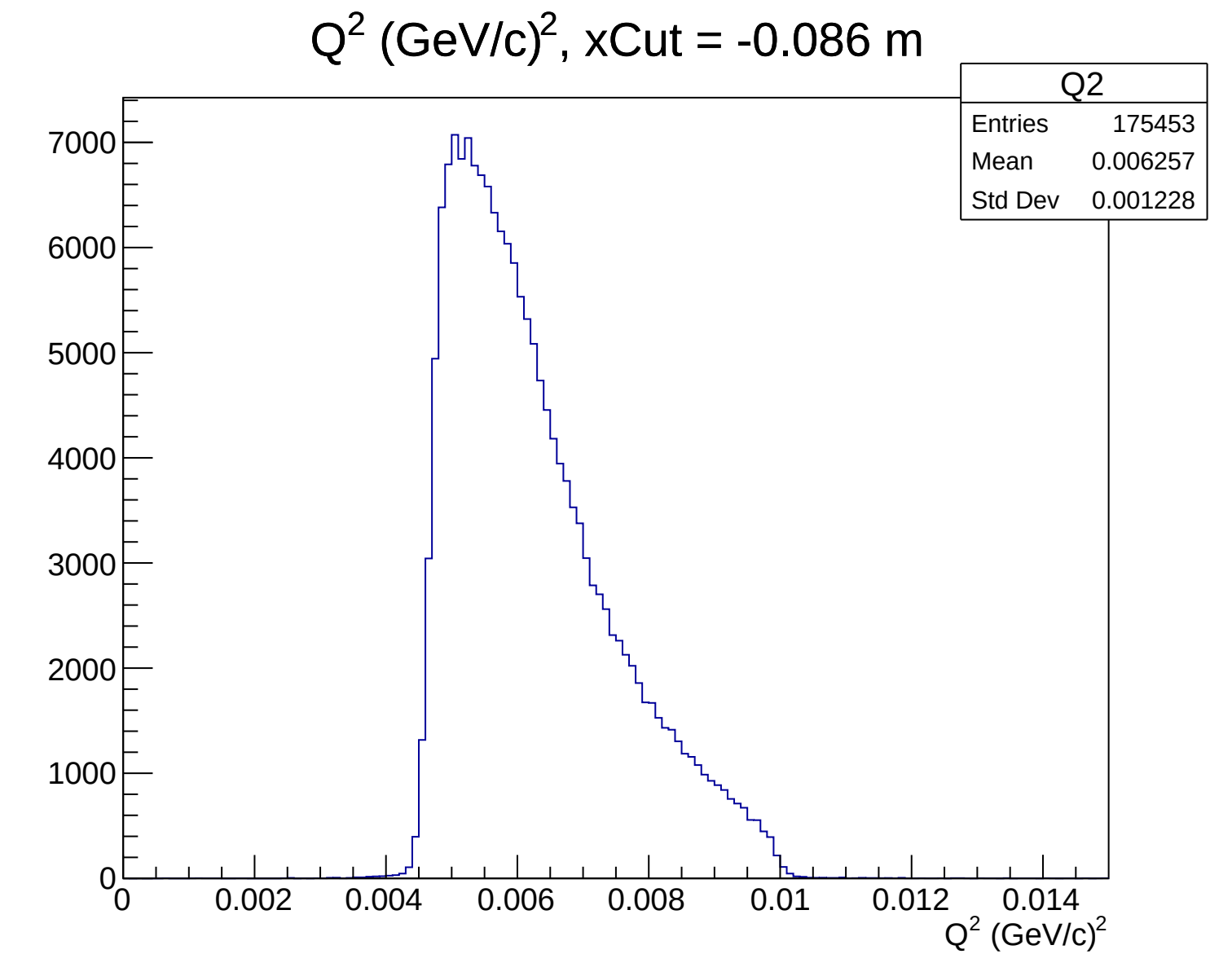

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.086
L.tr.x[0]+1.3*L.tr.th[0] (m)

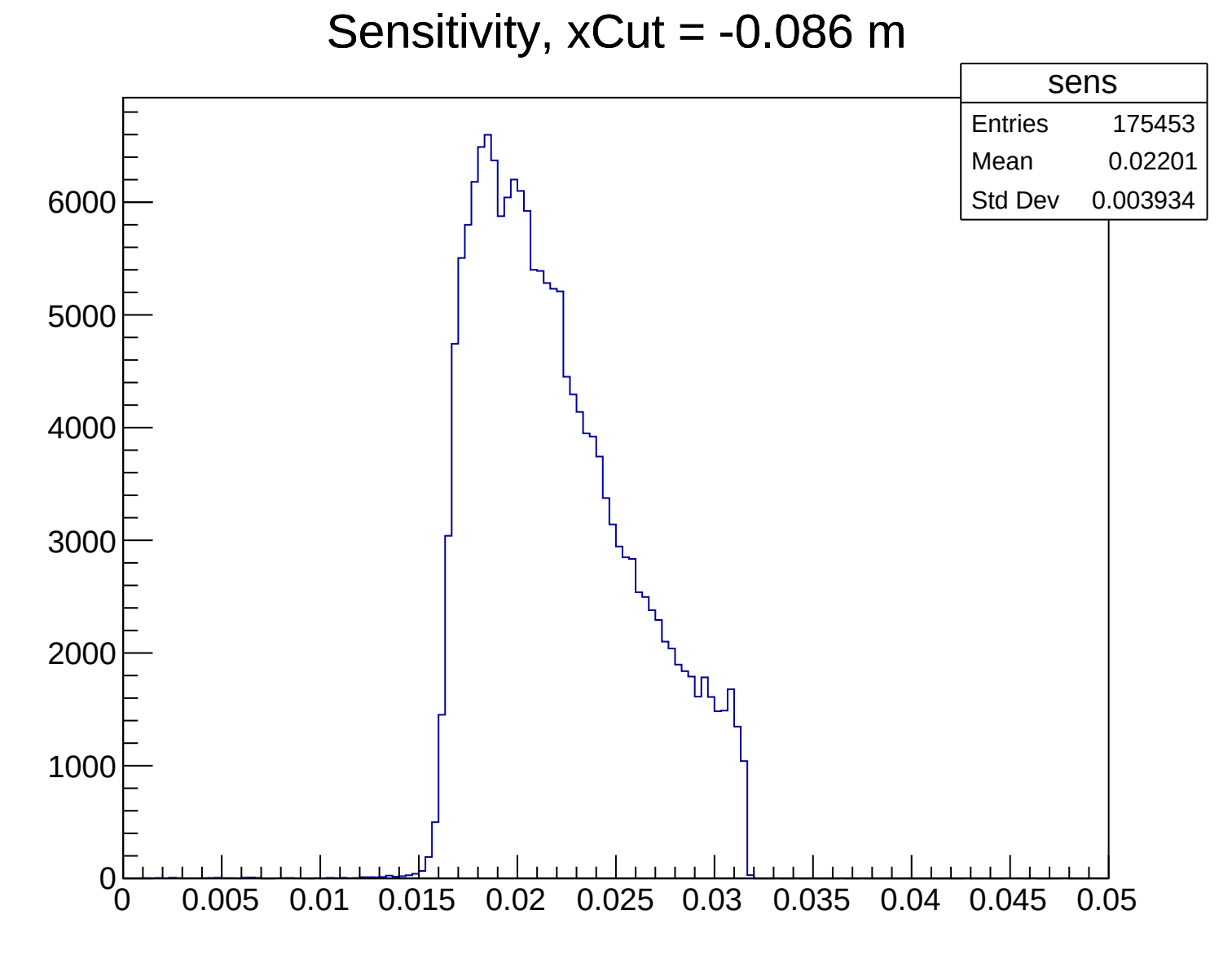

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

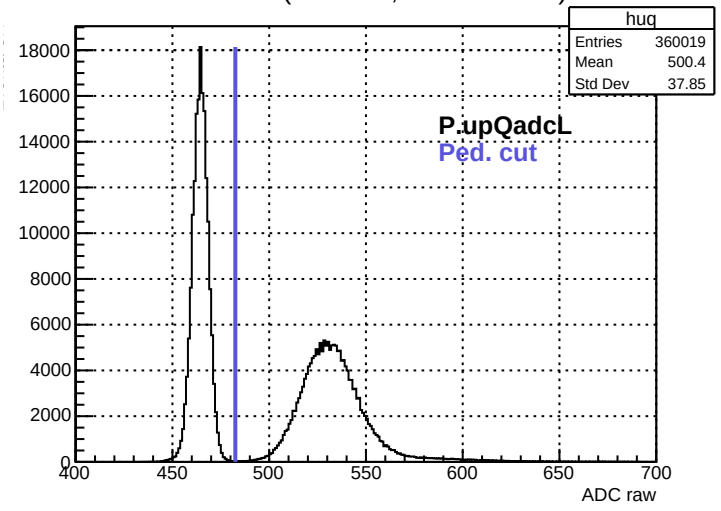

θlab (deg), xCut = -0.086 m
Theta
Entries 175453
Mean 4.761
Std Dev 0.4553
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

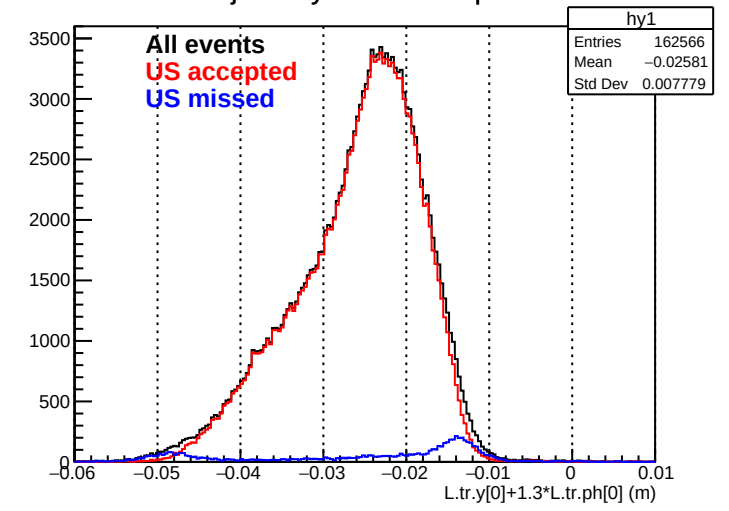

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 175453
Mean 0.5677
Std Dev 0.07494
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

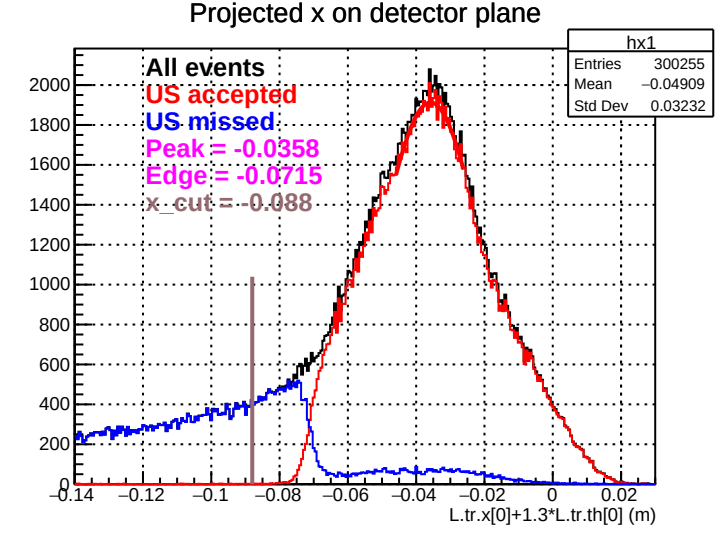

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 175453
Mean 0.555
Std Dev 0.07113
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

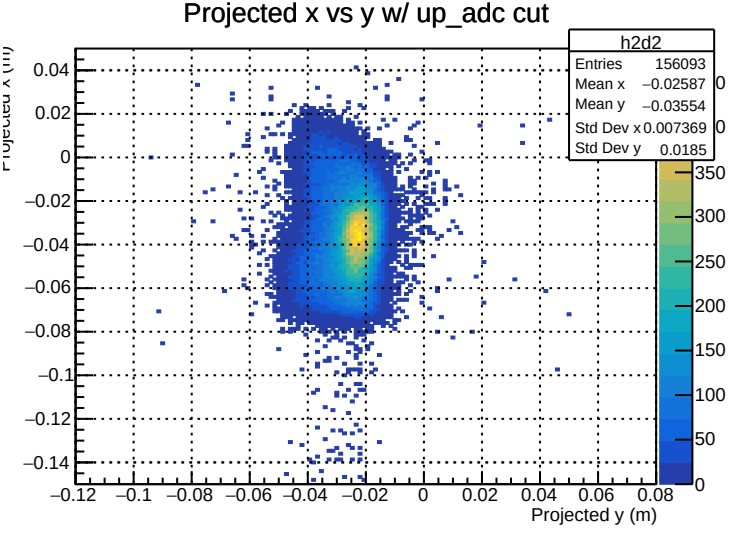

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 175453
Mean 0.006257
Std Dev 0.001228
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

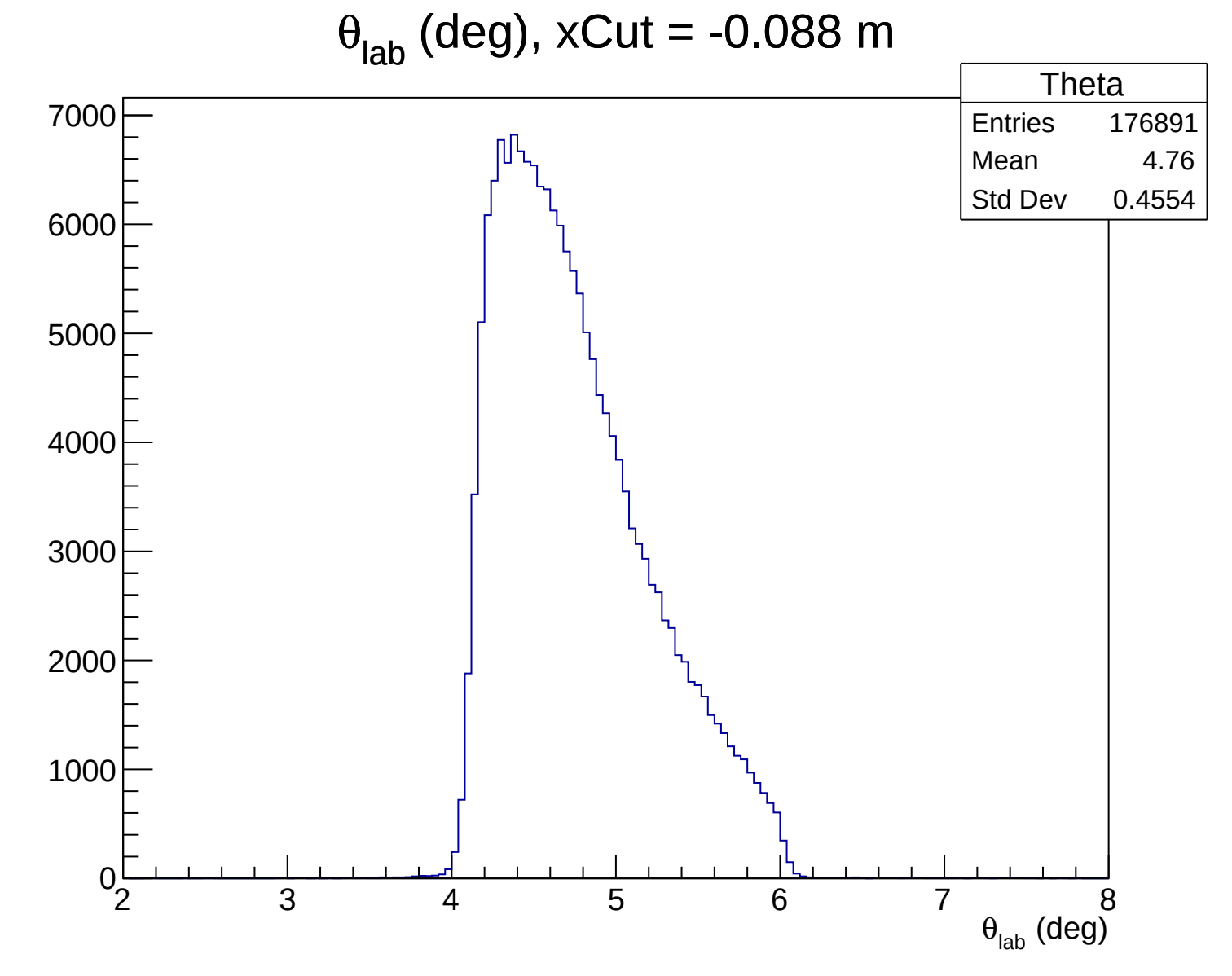

Sensitivity, xCut = -0.086 m
sens
Entries 175453
Mean 0.02201
Std Dev 0.003934
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

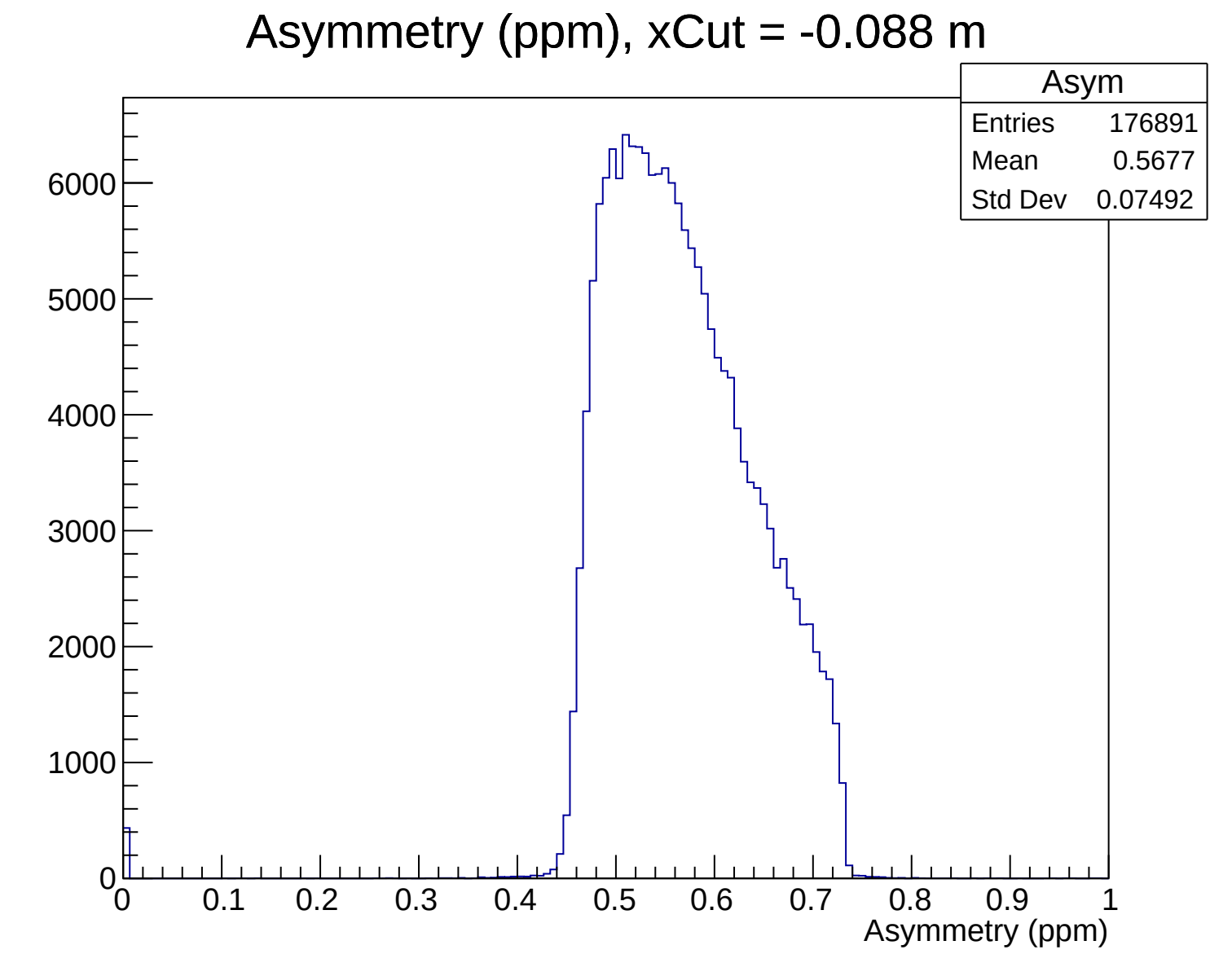

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

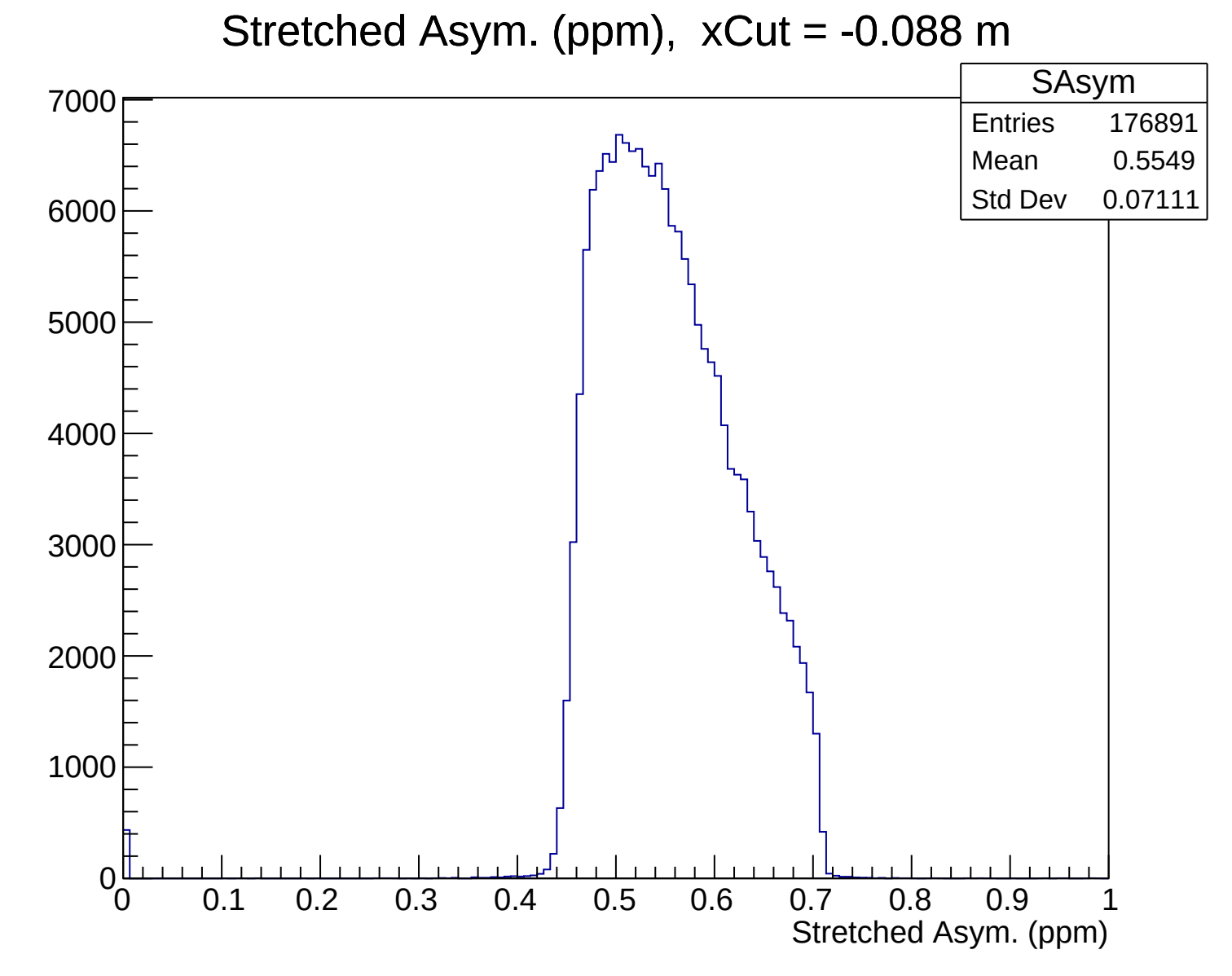

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

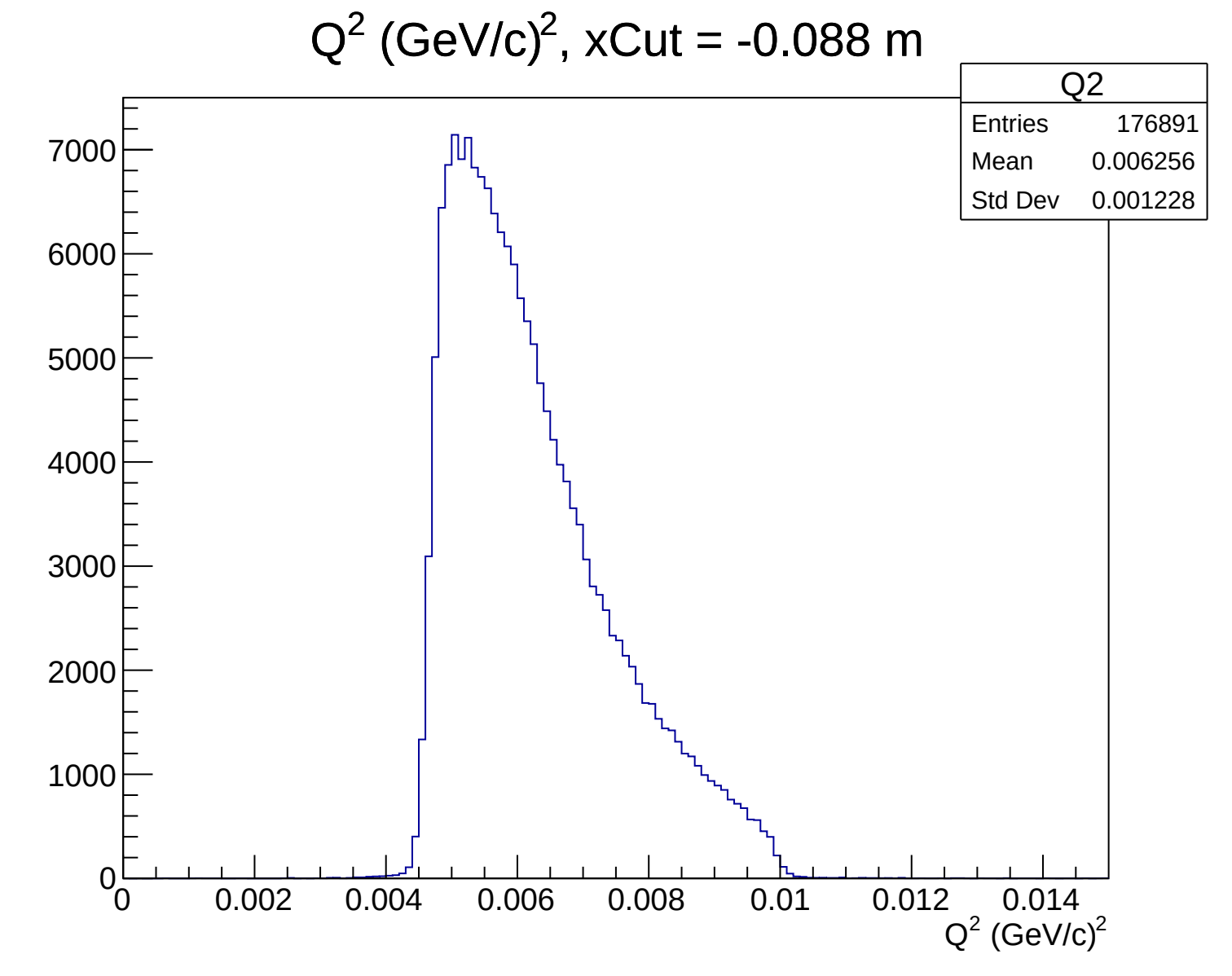

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

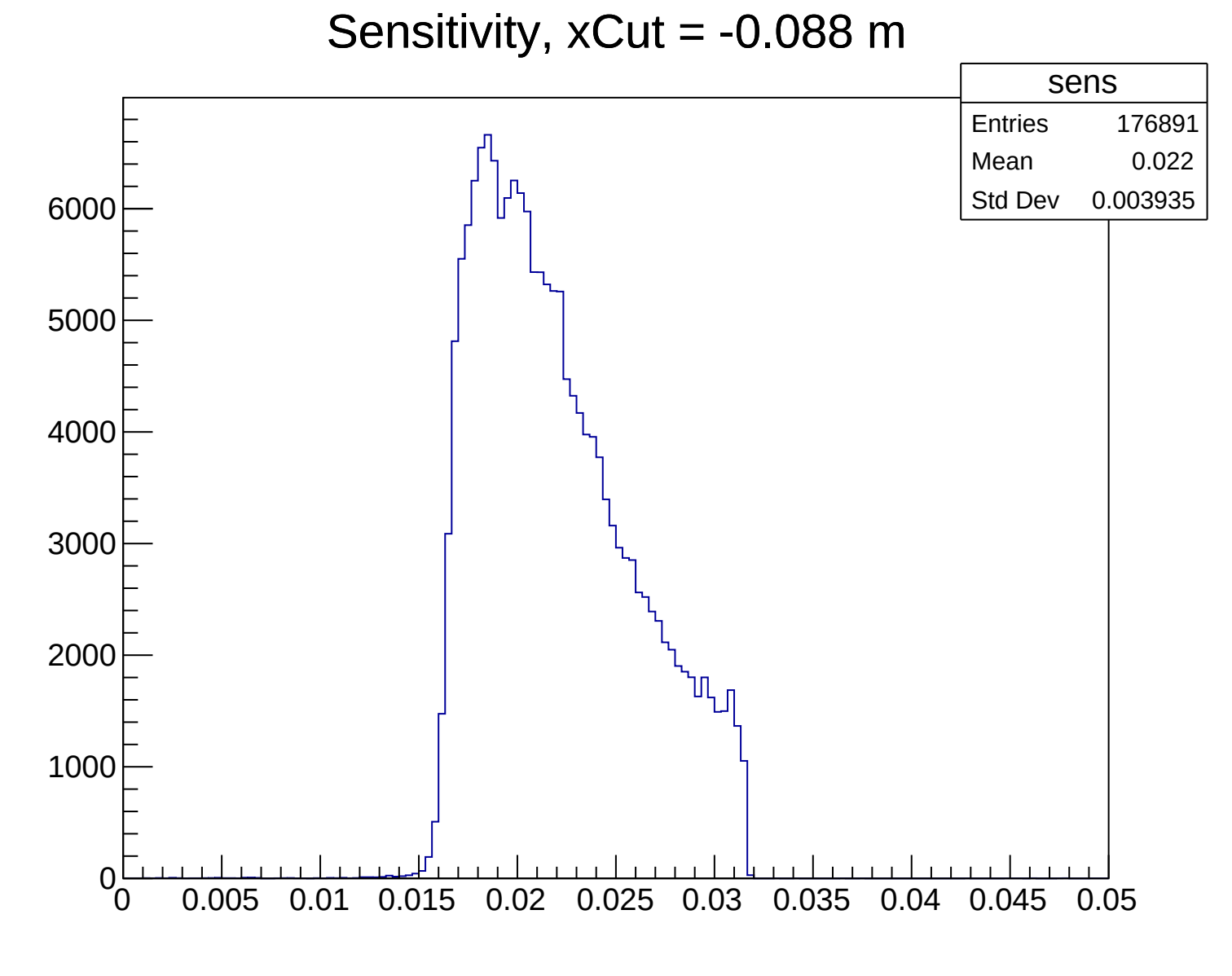

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

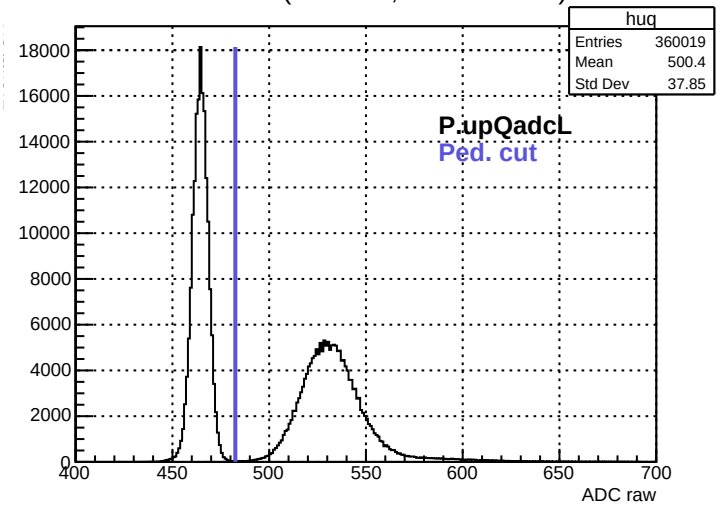

θlab (deg), xCut = -0.088 m
Theta
Entries 176891
Mean 4.76
Std Dev 0.4554
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

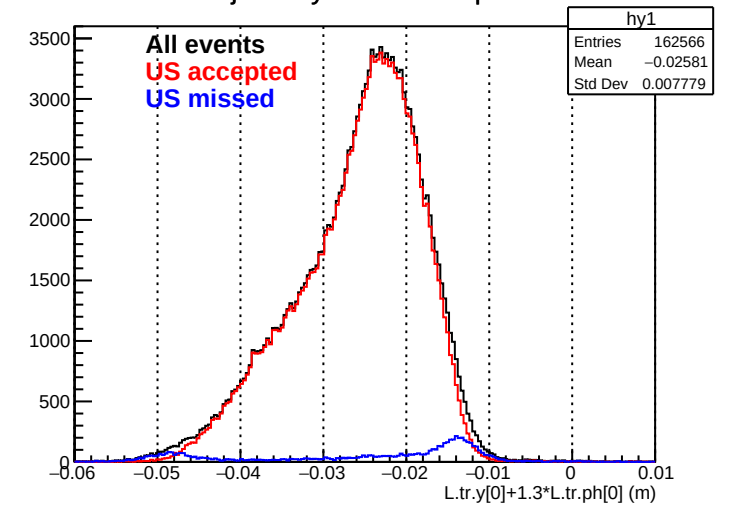

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 176891
Mean 0.5677
Std Dev 0.07492
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

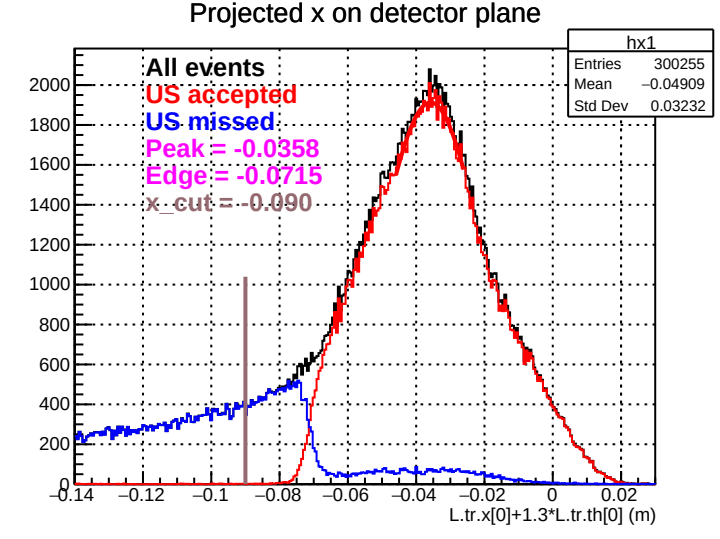

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 176891
Mean 0.5549
Std Dev 0.07111
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

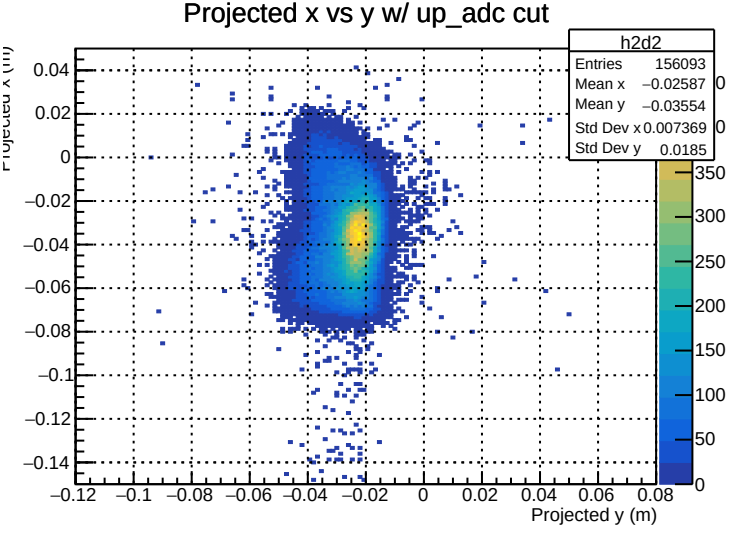

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 176891
Mean 0.006256
Std Dev 0.001228
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

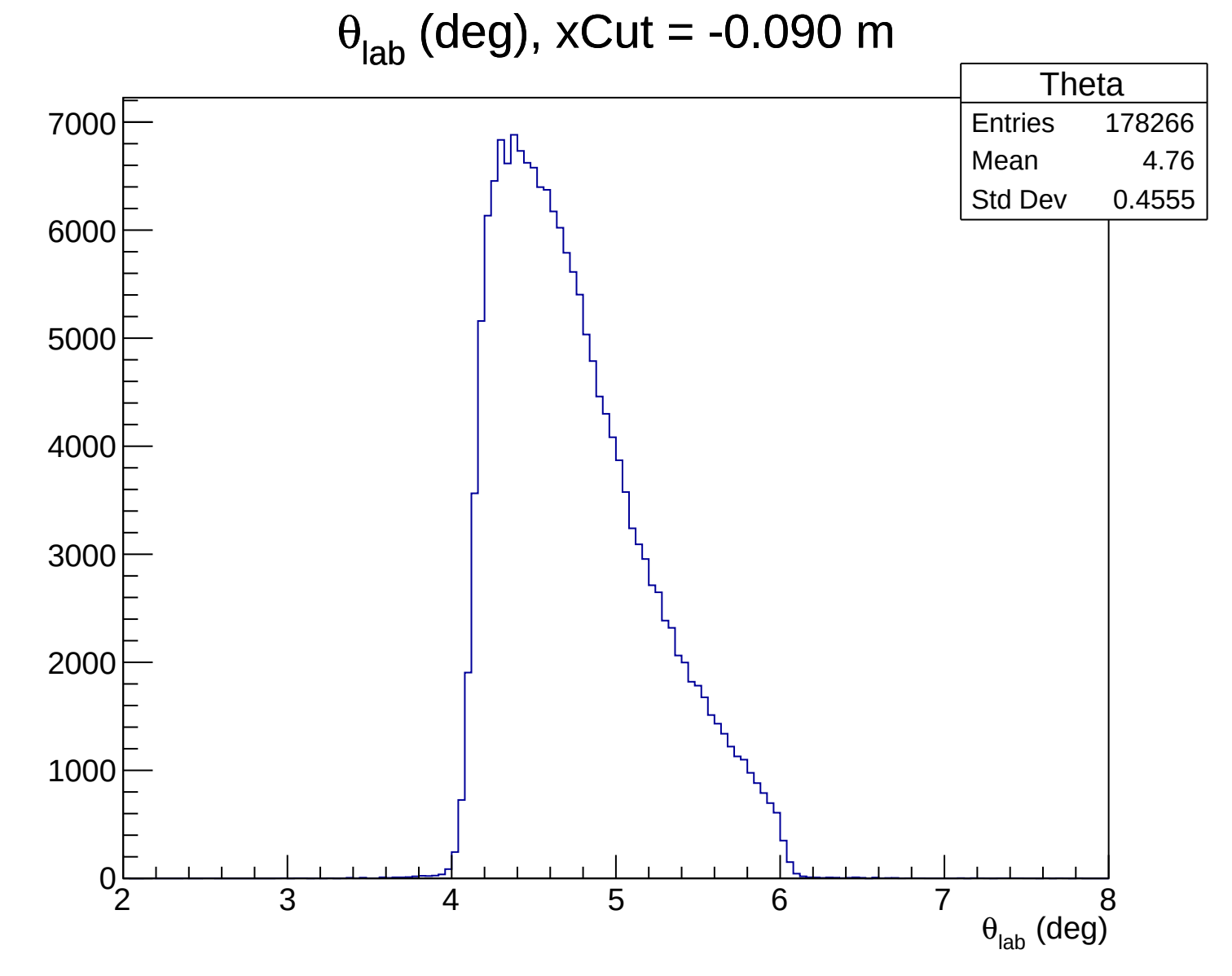

Sensitivity, xCut = -0.088 m
sens
Entries 176891
Mean 0.022
Std Dev 0.003935
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

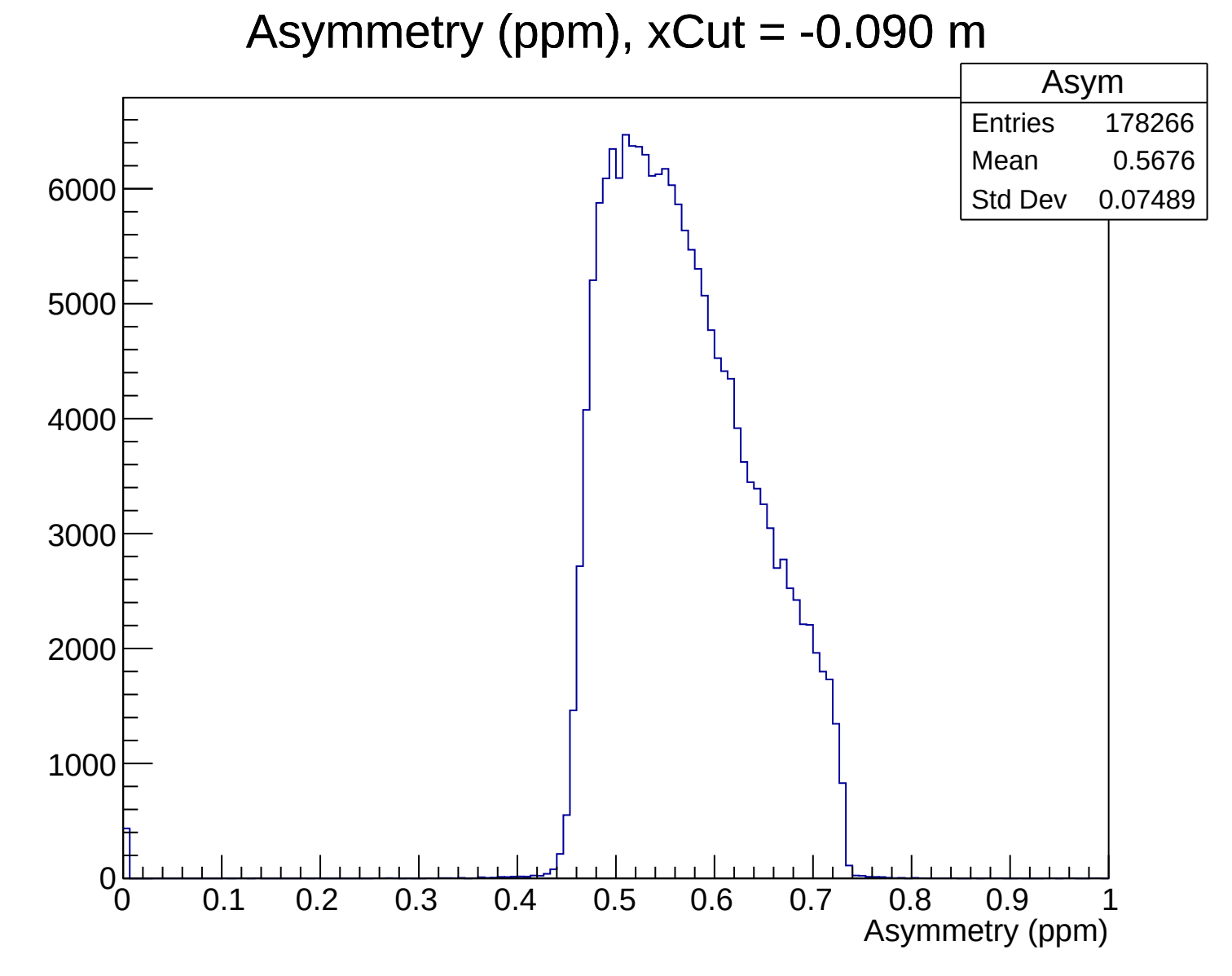

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

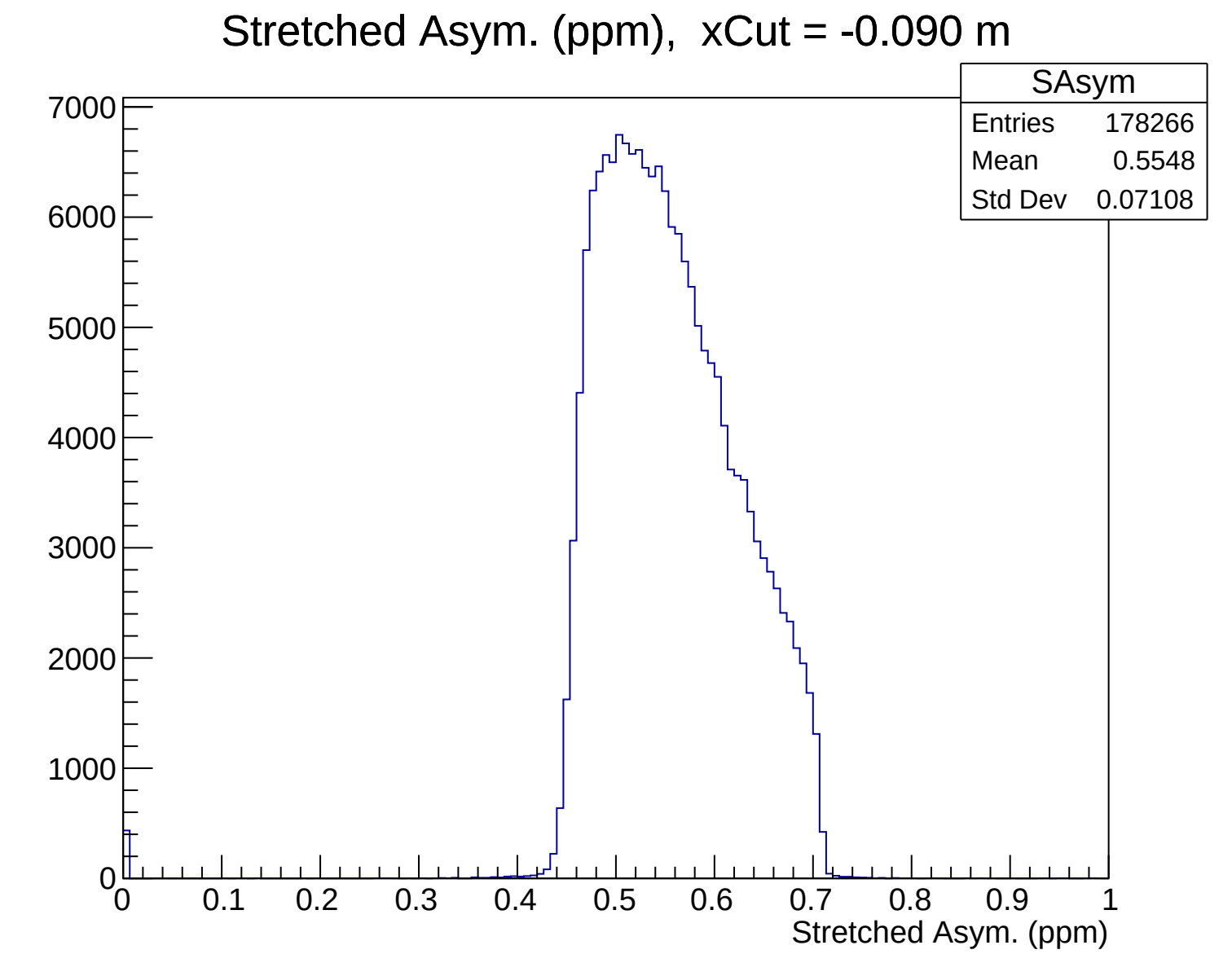

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

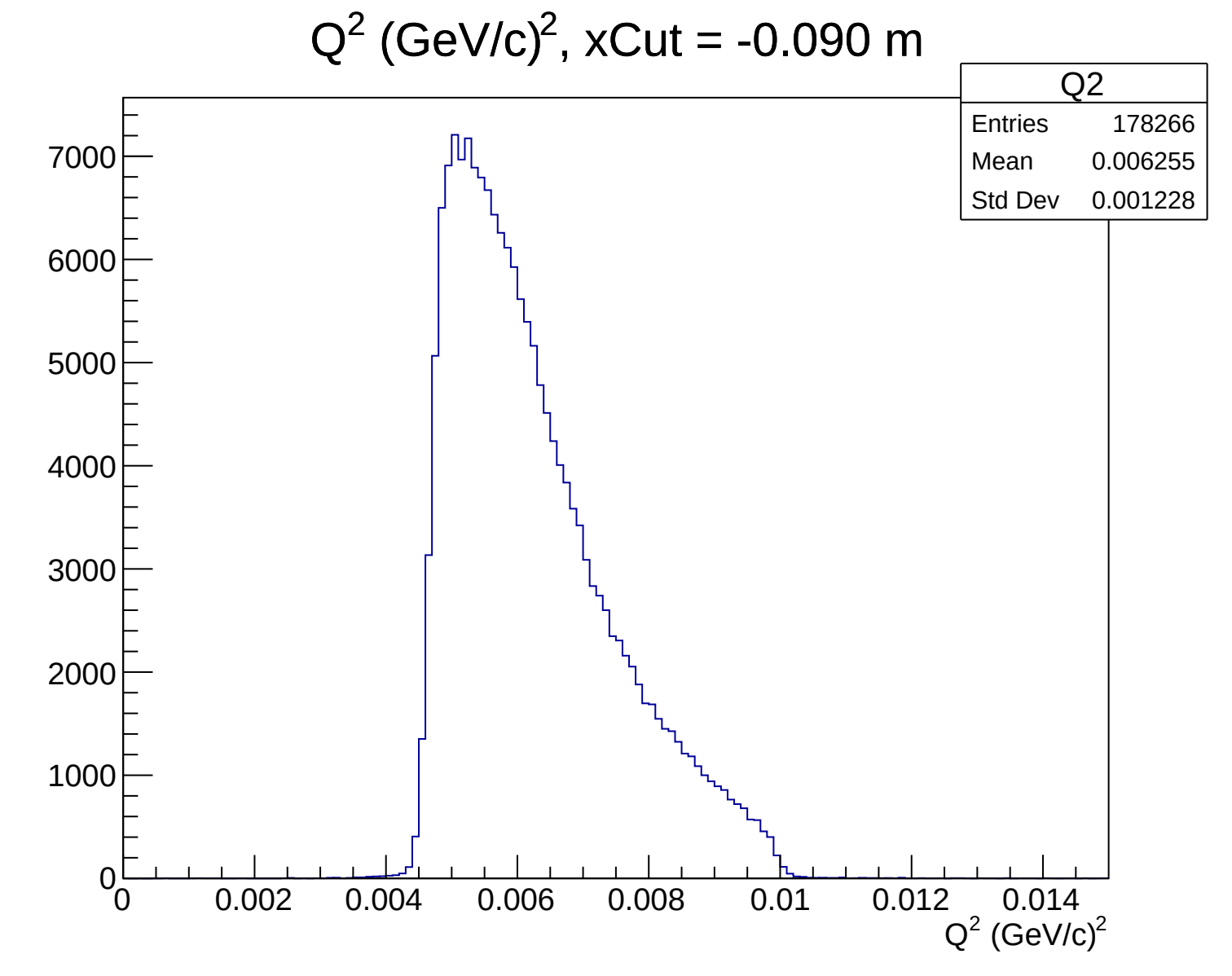

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

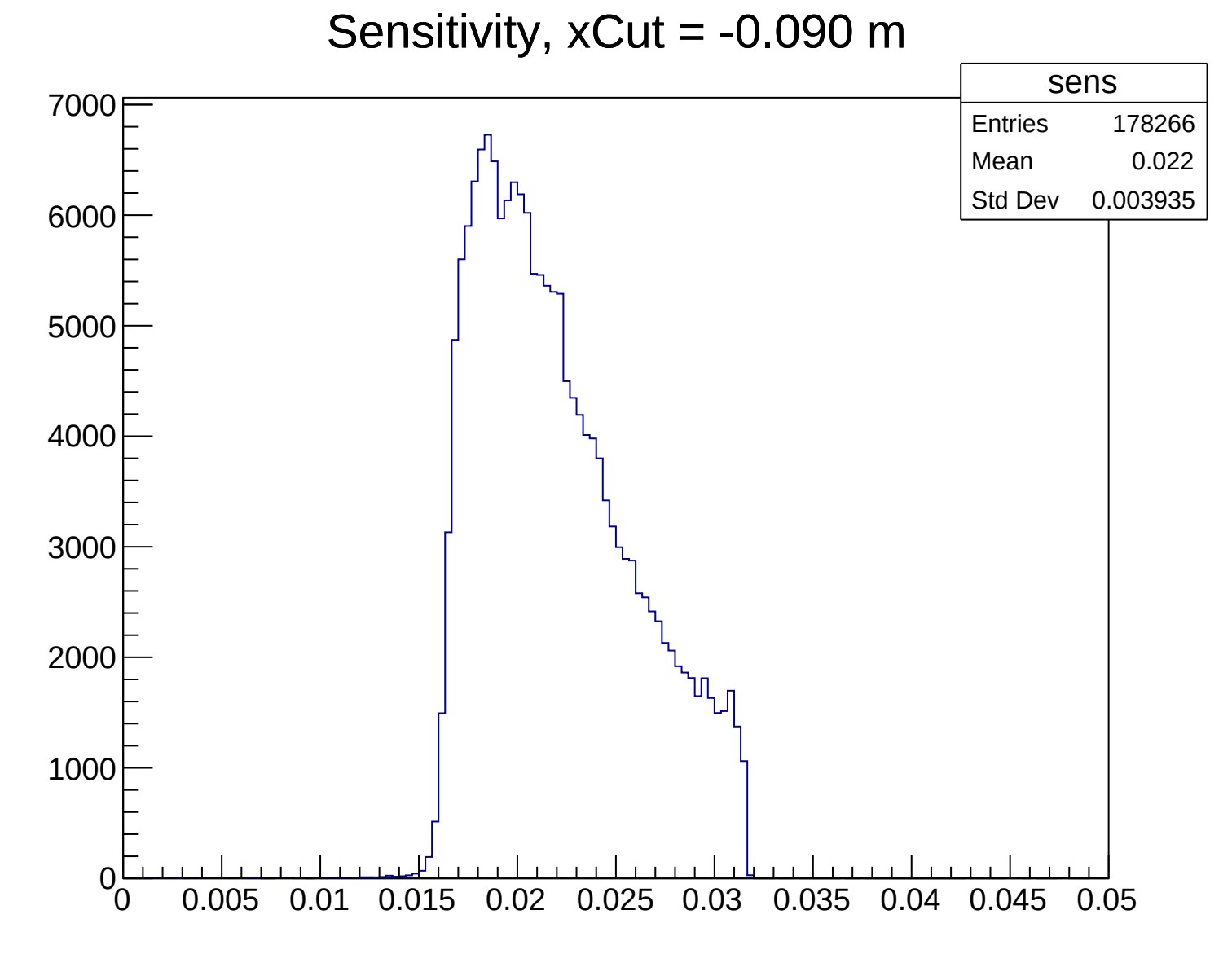

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

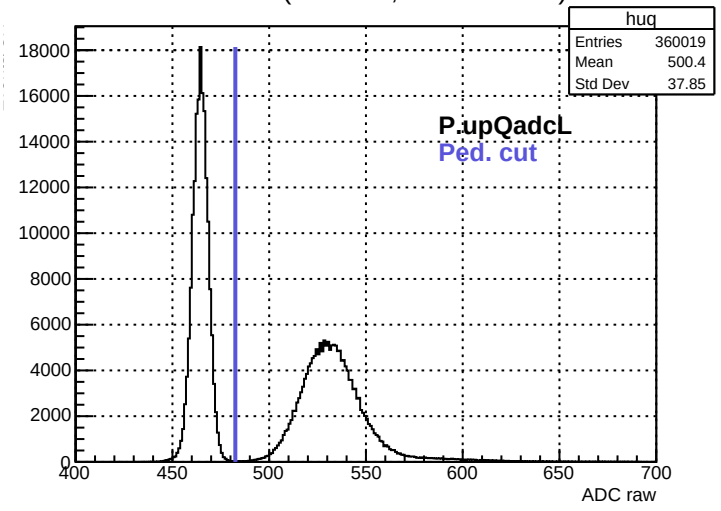

θlab (deg), xCut = -0.090 m
Theta
Entries 178266
Mean 4.76
Std Dev 0.4555
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

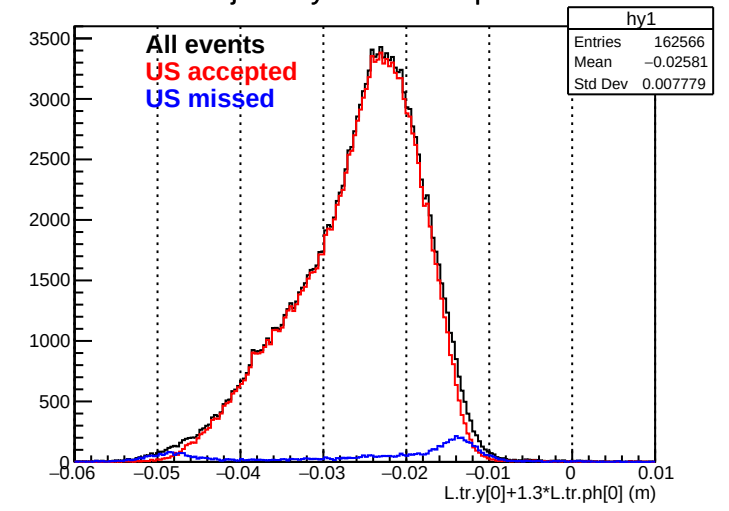

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 178266
Mean 0.5676
Std Dev 0.07489
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

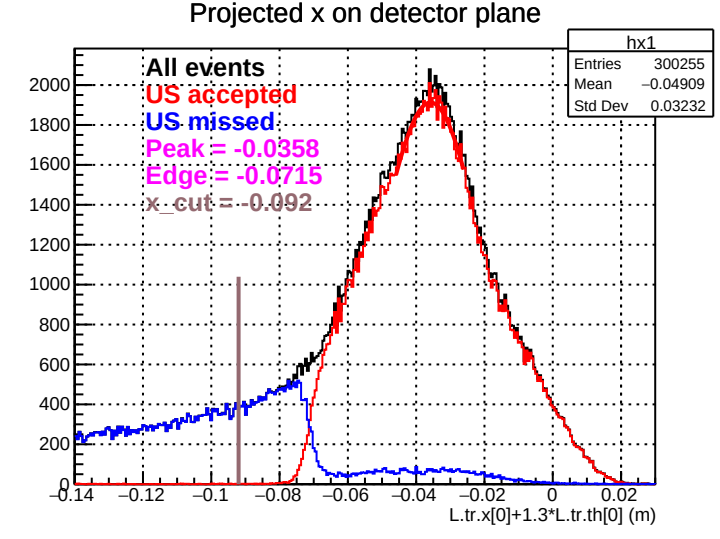

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 178266
Mean 0.5548
Std Dev 0.07108
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

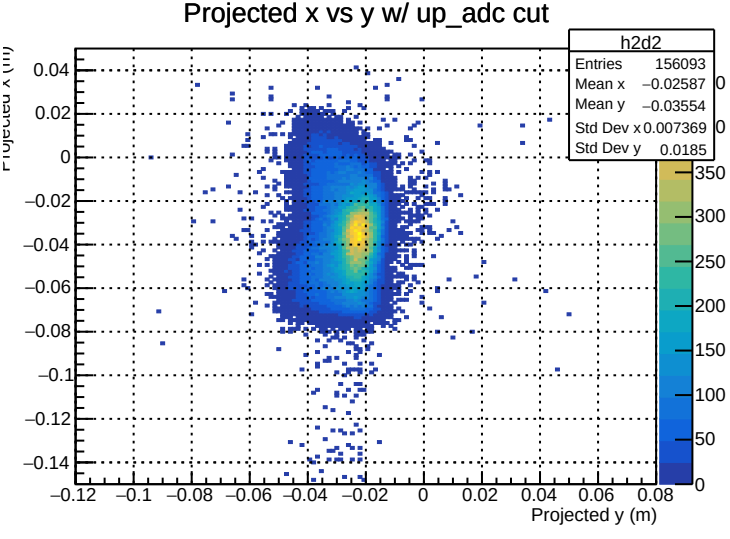

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 178266
Mean 0.006255
Std Dev 0.001228
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

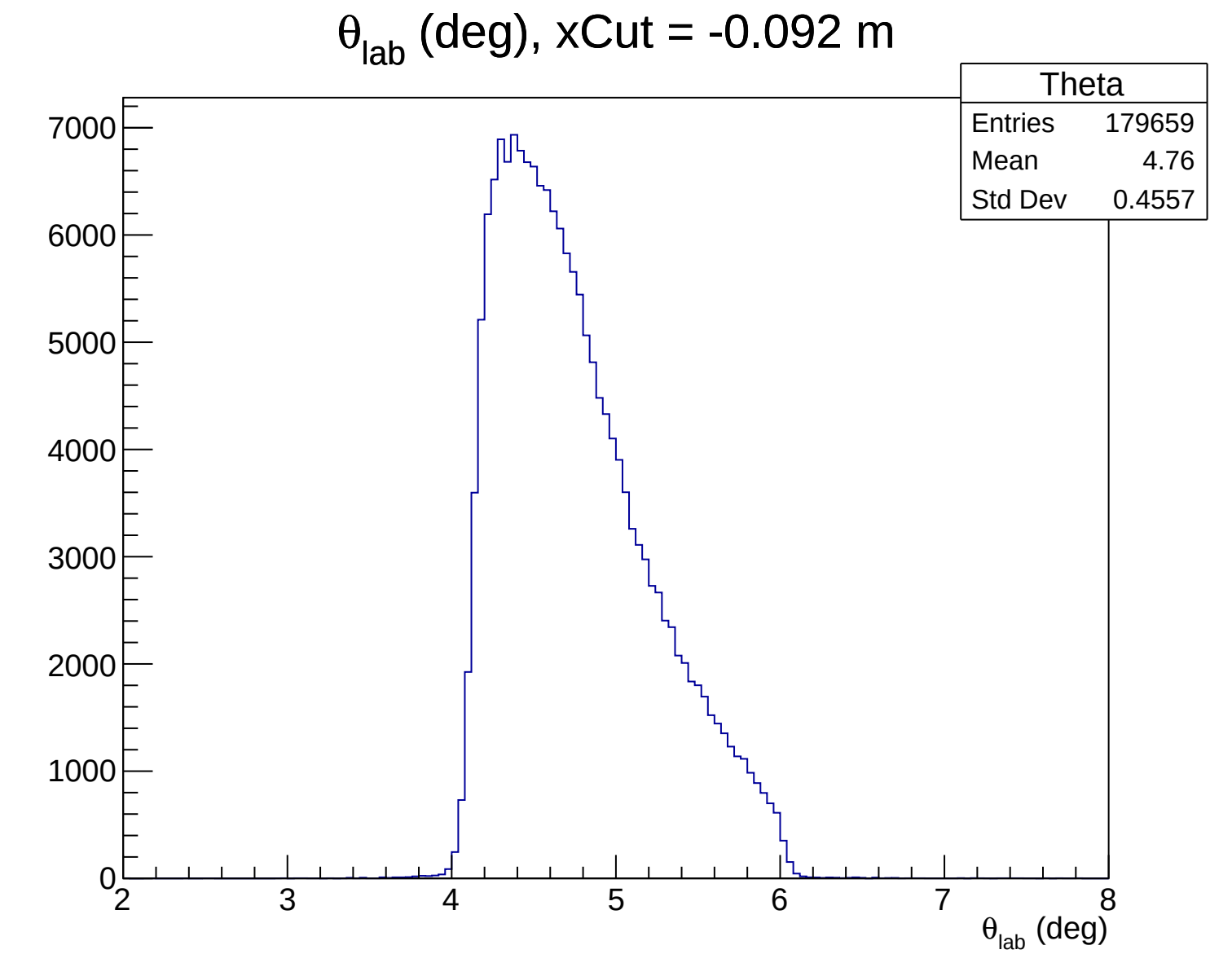

Sensitivity, xCut = -0.090 m
sens
Entries 178266
Mean 0.022
Std Dev 0.003935
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

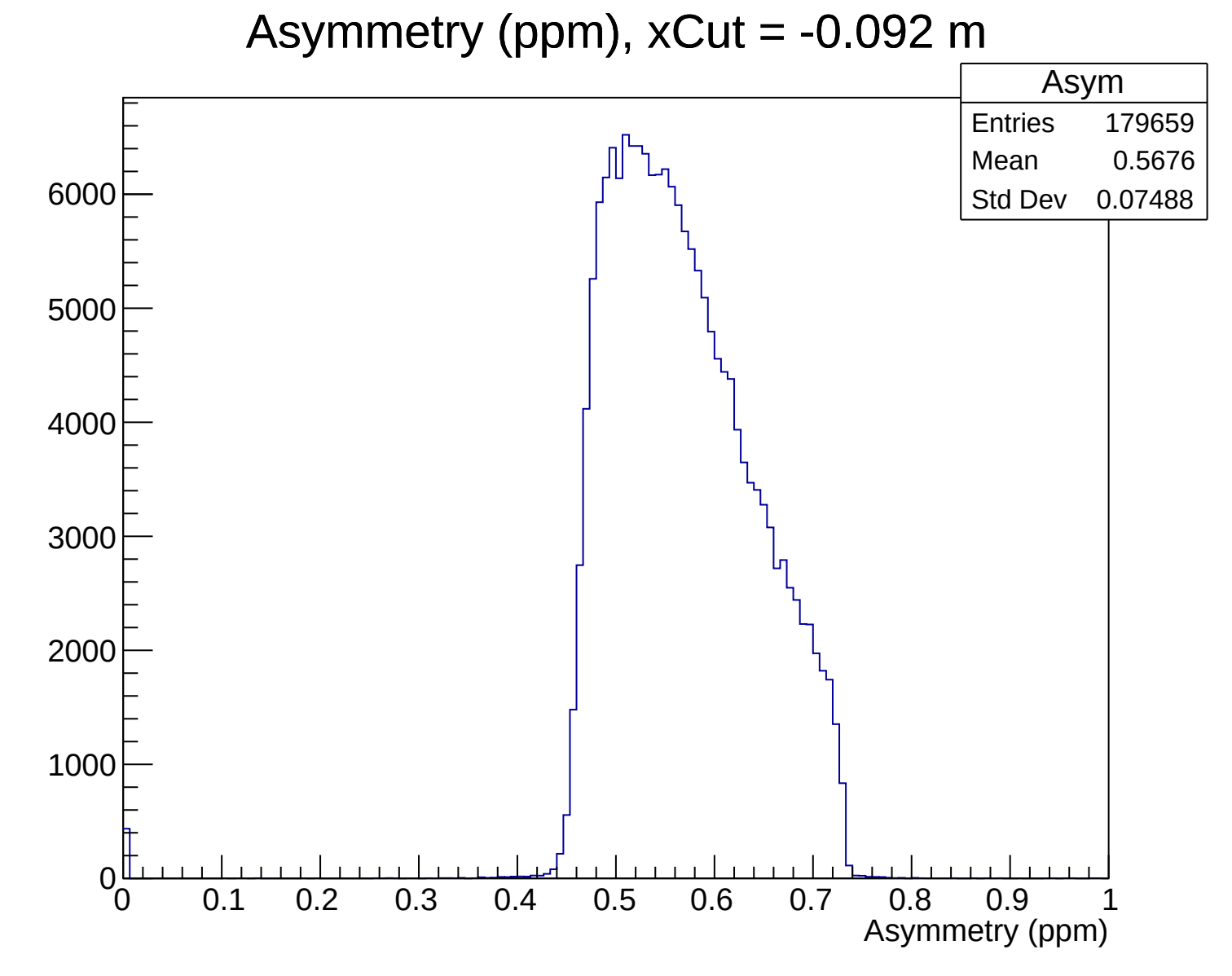

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

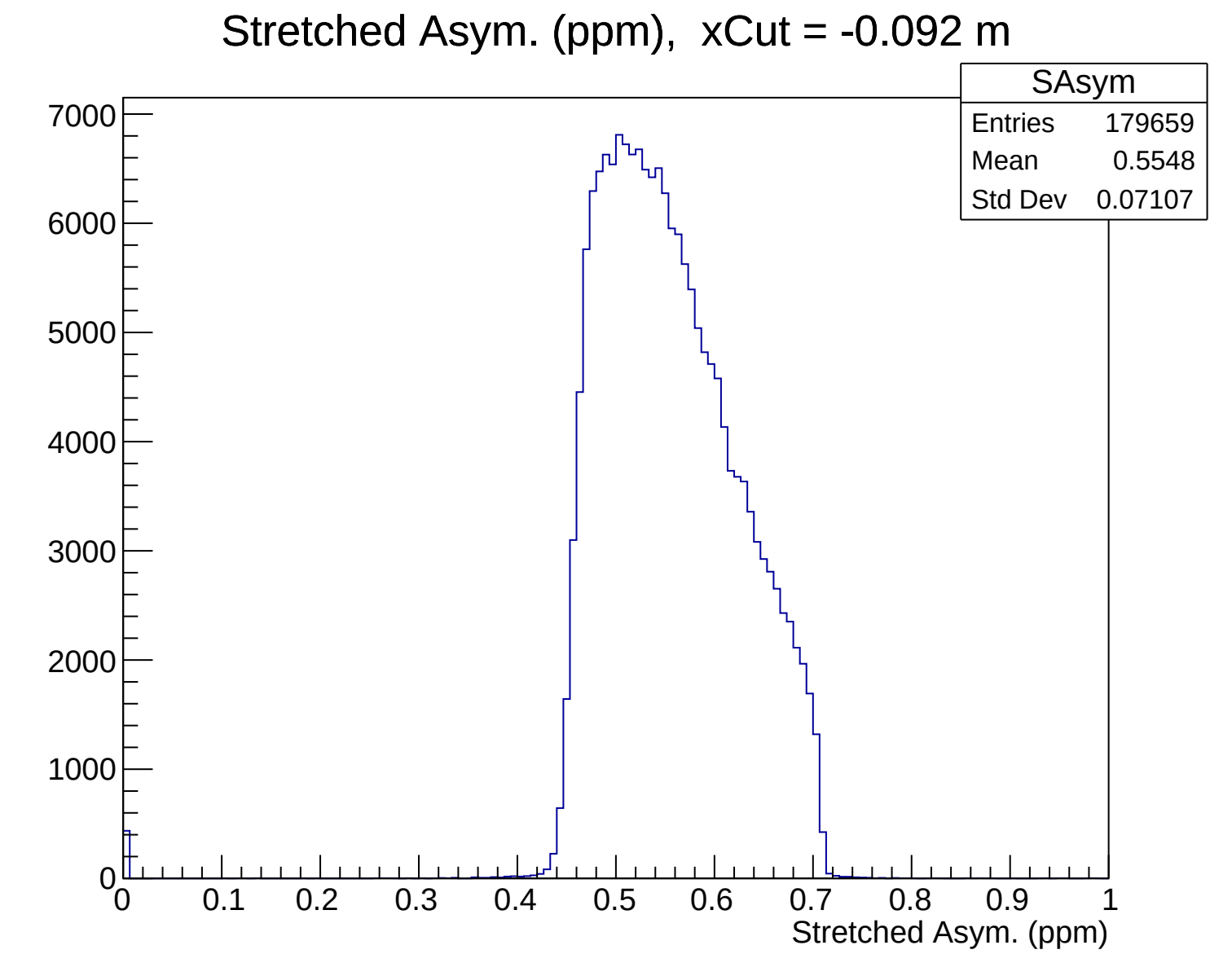

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

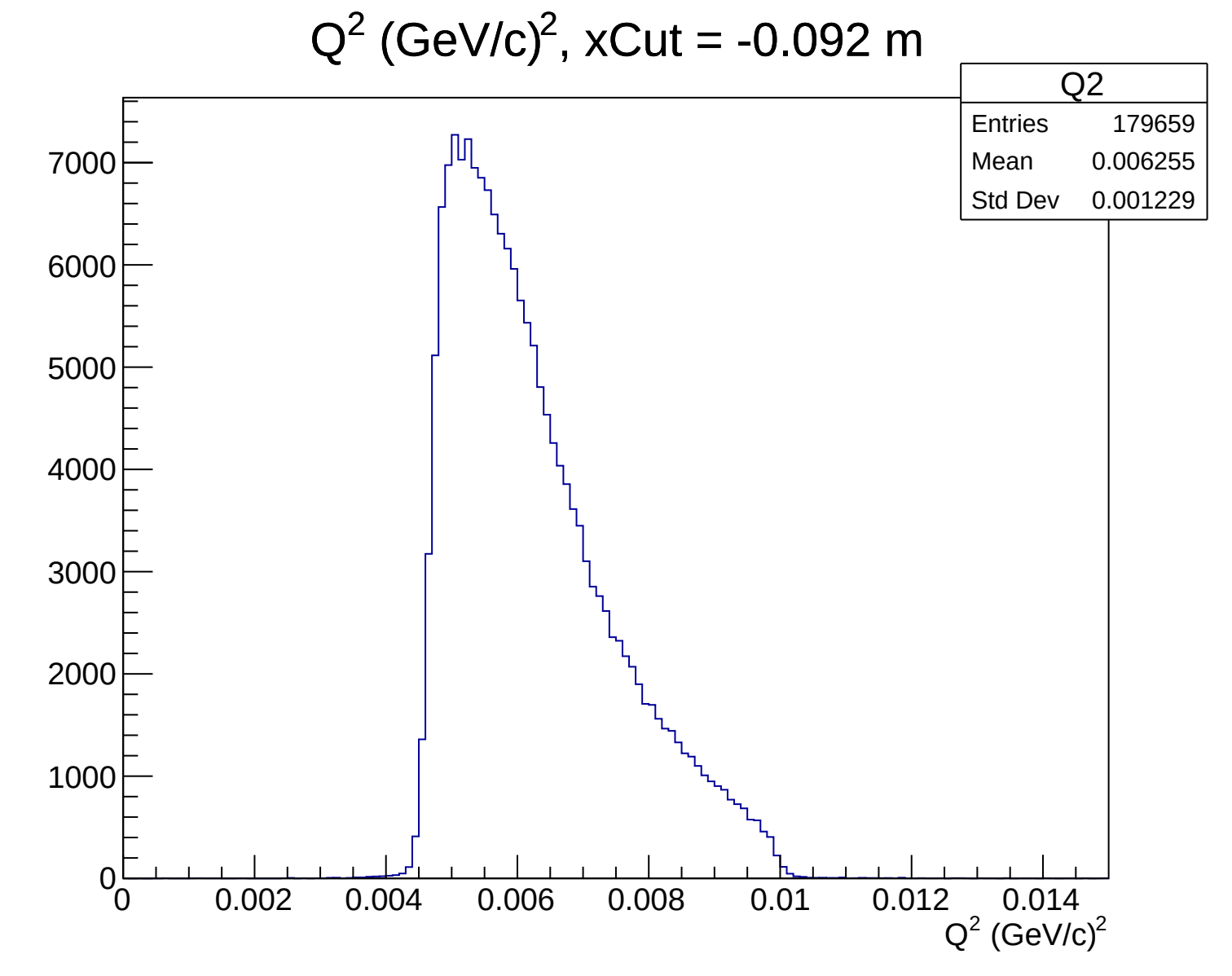

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.092
L.tr.x[0]+1.3*L.tr.th[0] (m)

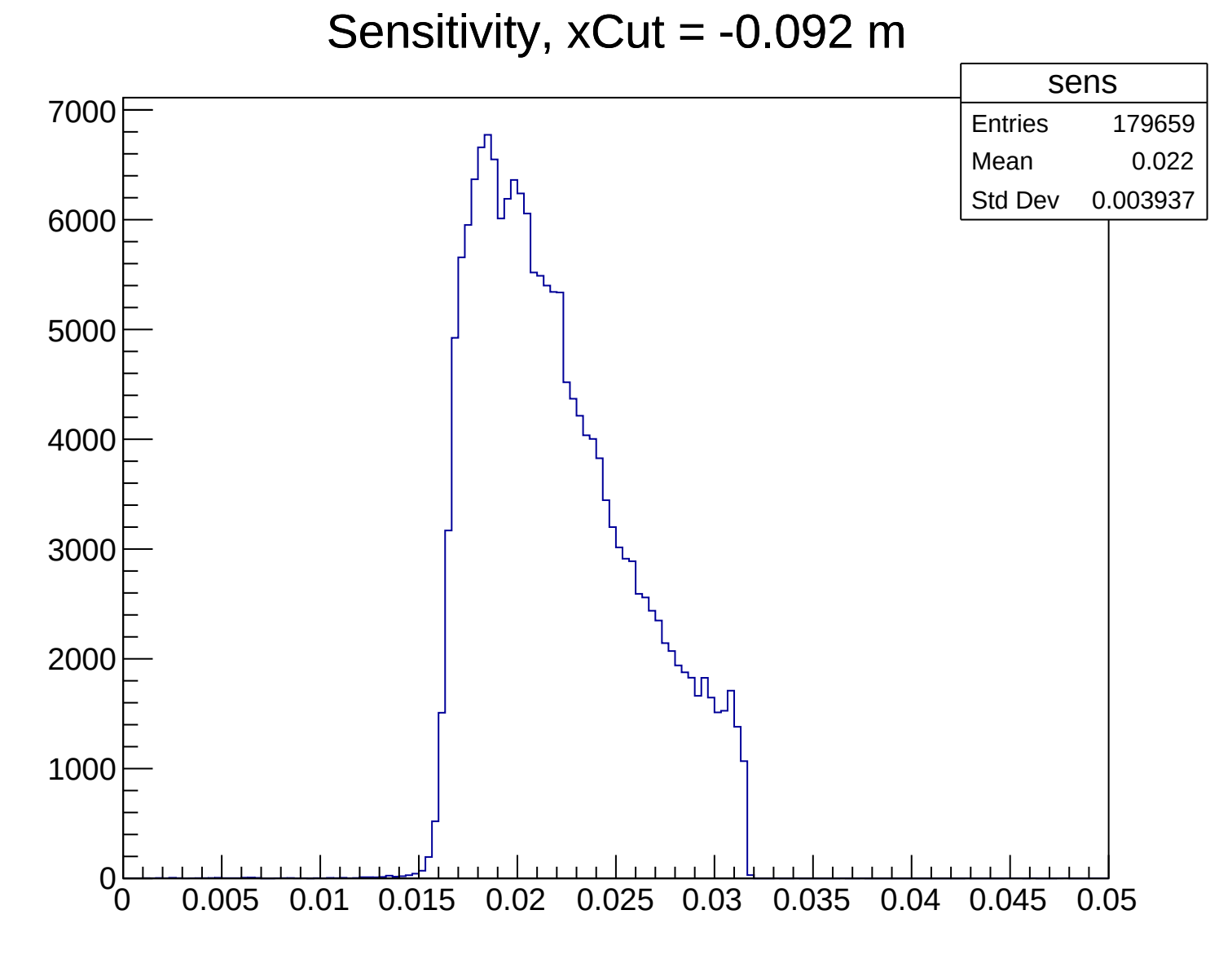

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

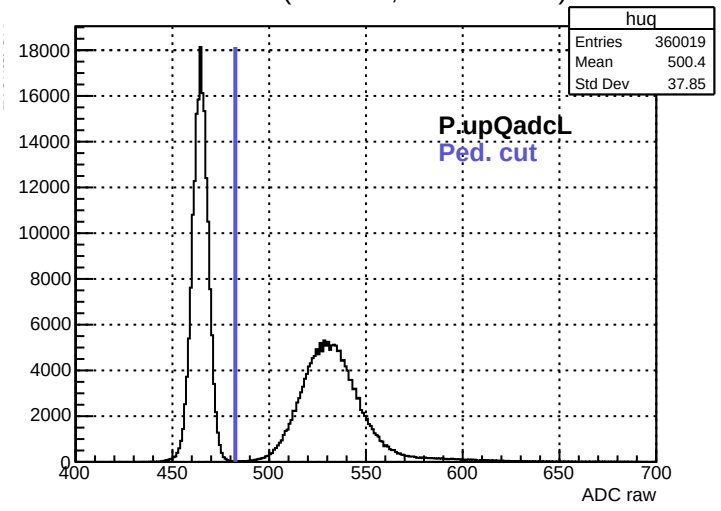

θlab (deg), xCut = -0.092 m
Theta
Entries 179659
Mean 4.76
Std Dev 0.4557
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

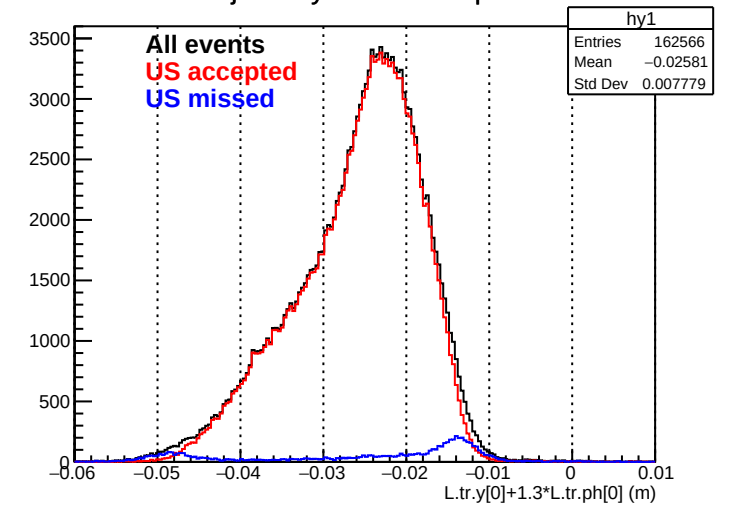

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 179659
Mean 0.5676
Std Dev 0.07488
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

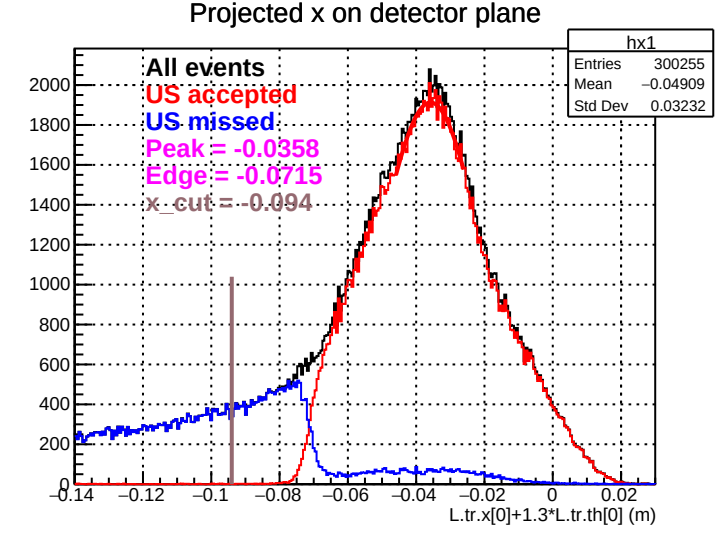

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 179659
Mean 0.5548
Std Dev 0.07107
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

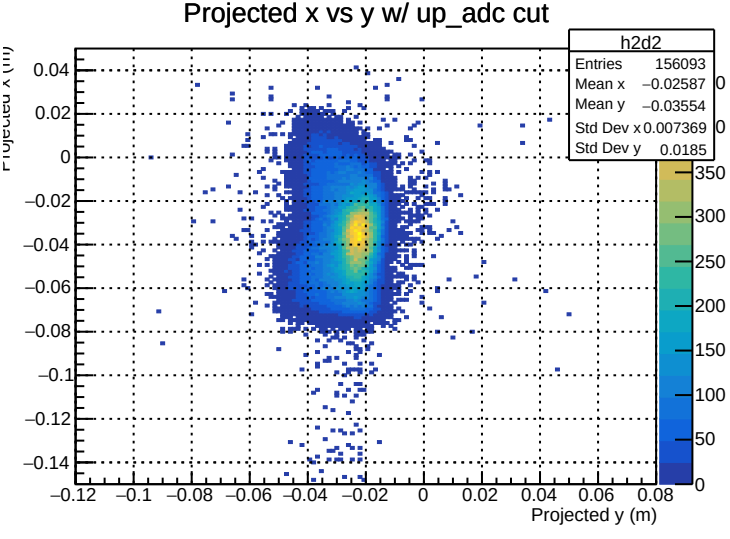

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 179659
Mean 0.006255
Std Dev 0.001229
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

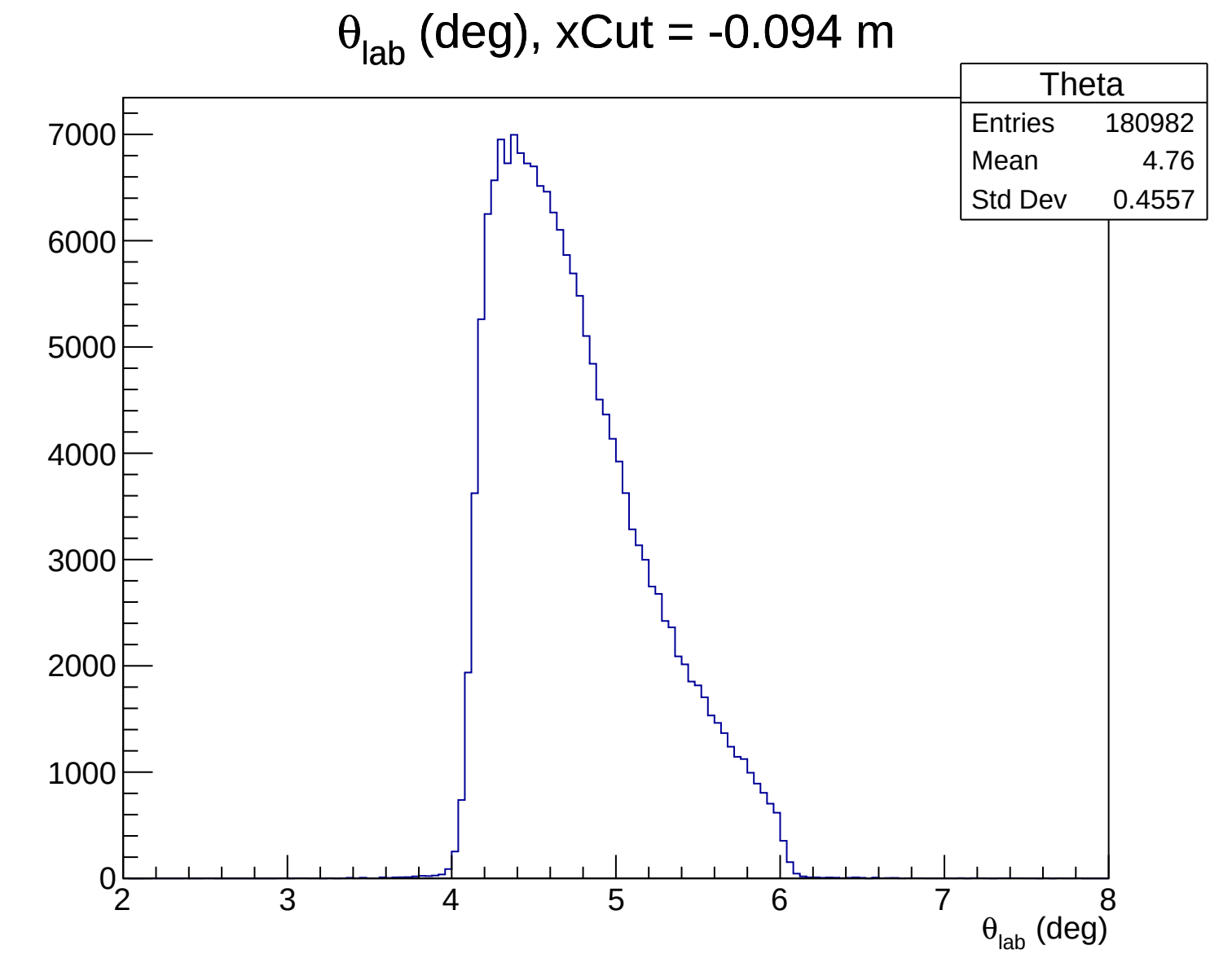

Sensitivity, xCut = -0.092 m
sens
Entries 179659
Mean 0.022
Std Dev 0.003937
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

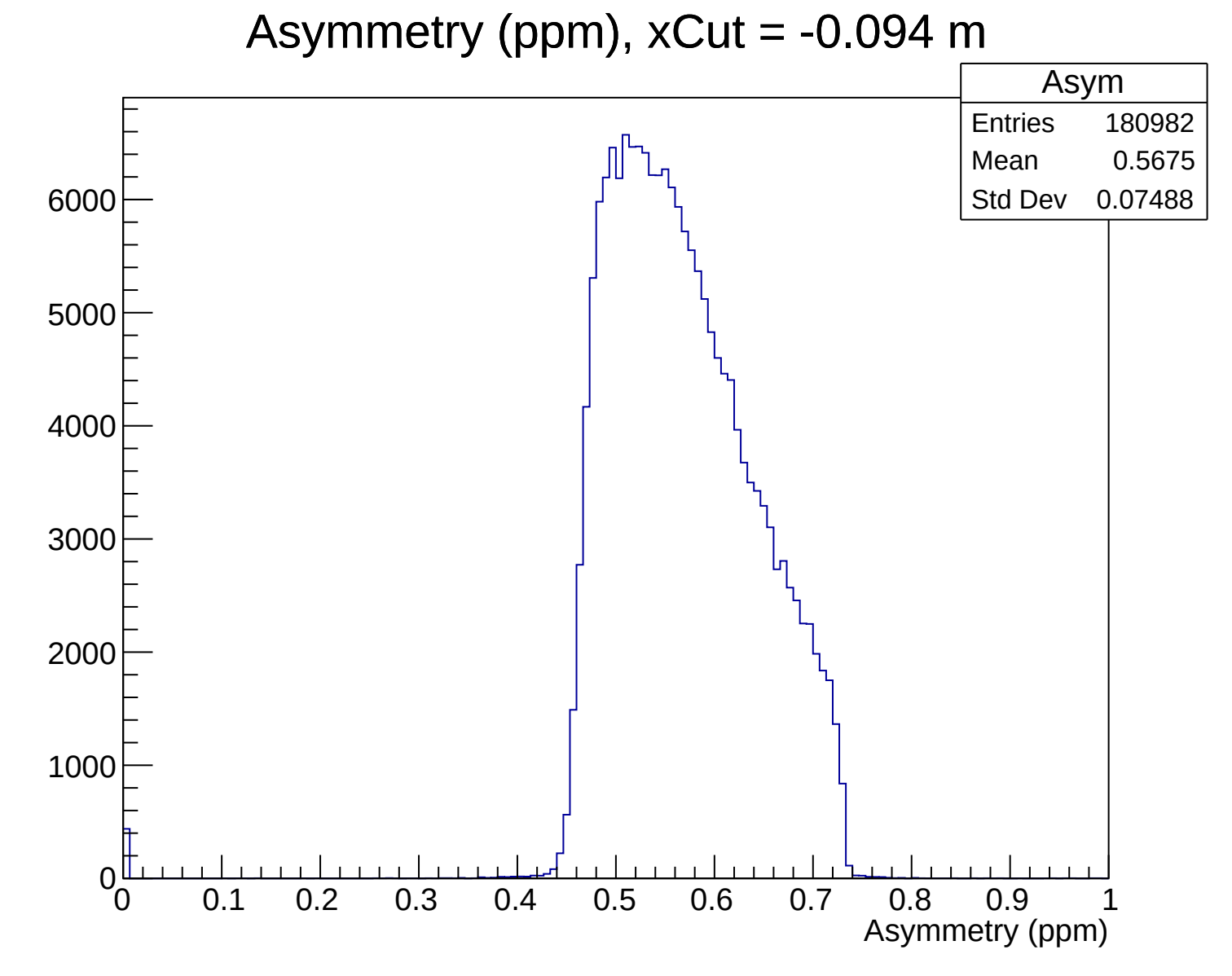

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

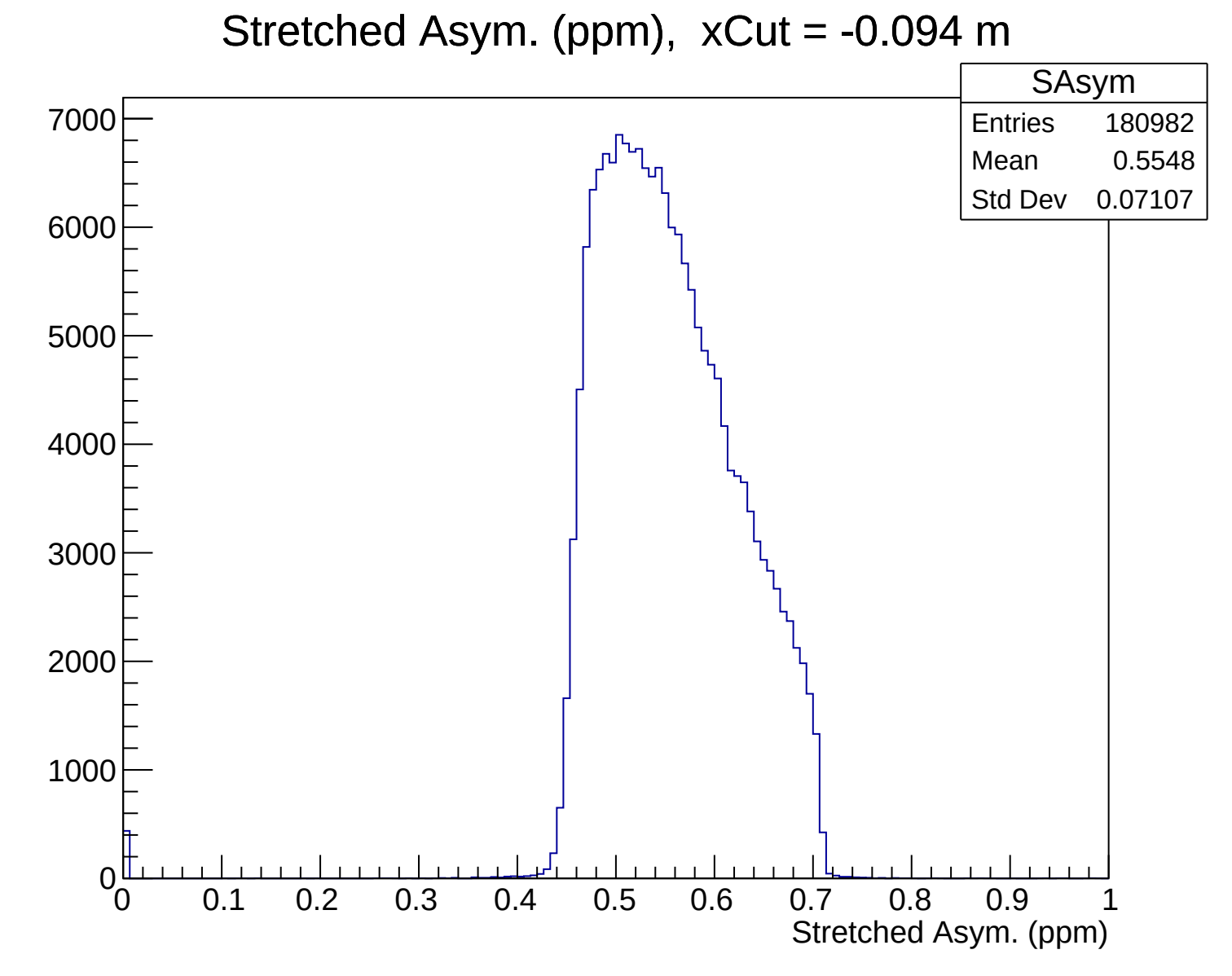

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

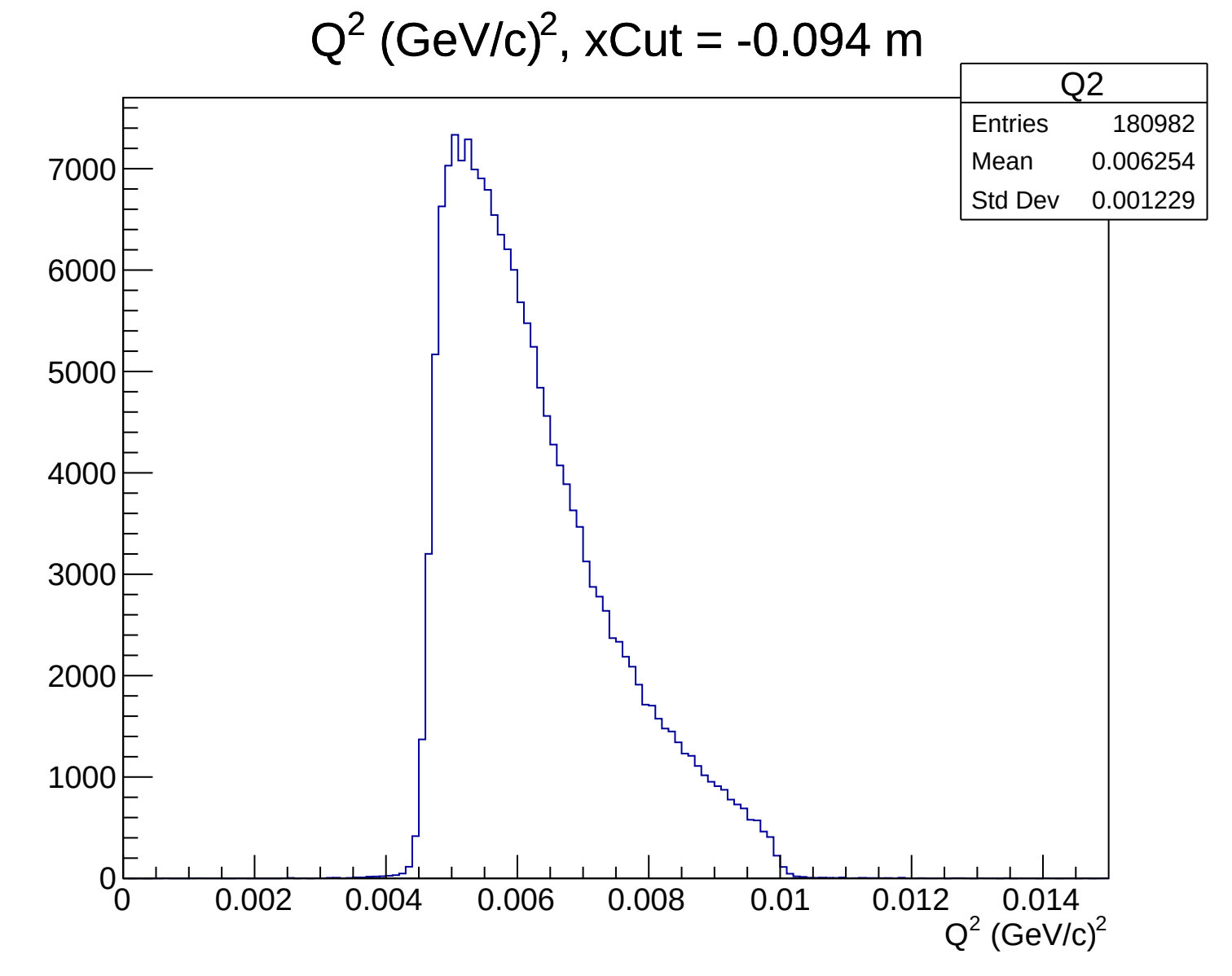

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

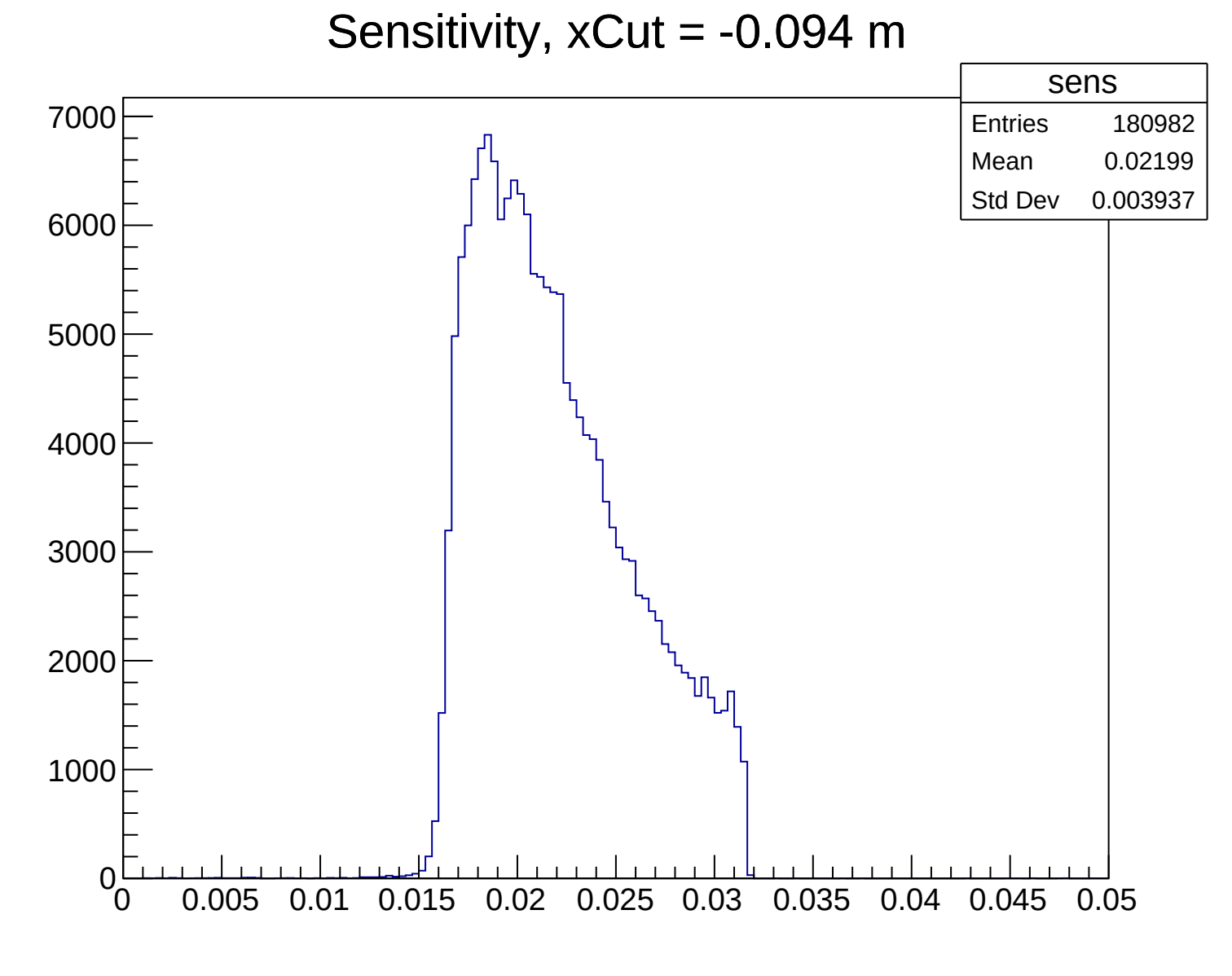

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

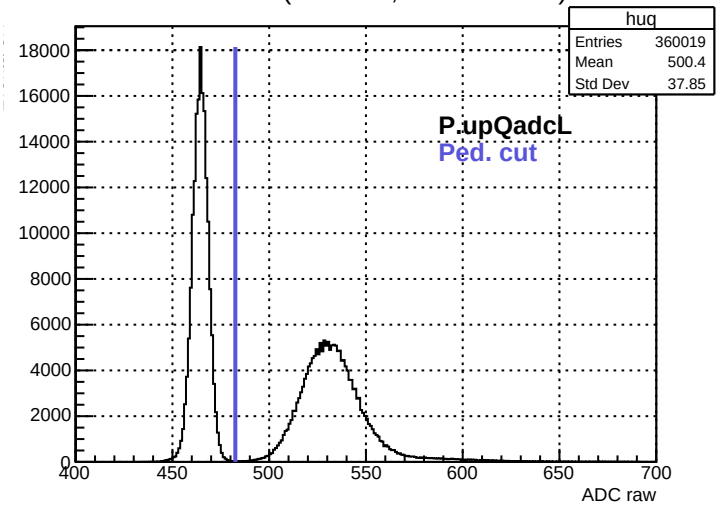

θlab (deg), xCut = -0.094 m
Theta
Entries 180982
Mean 4.76
Std Dev 0.4557
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

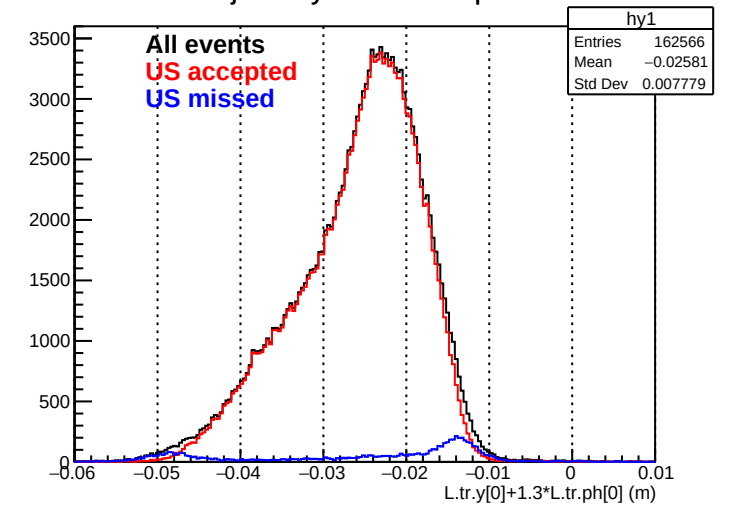

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 180982
Mean 0.5675
Std Dev 0.07488
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

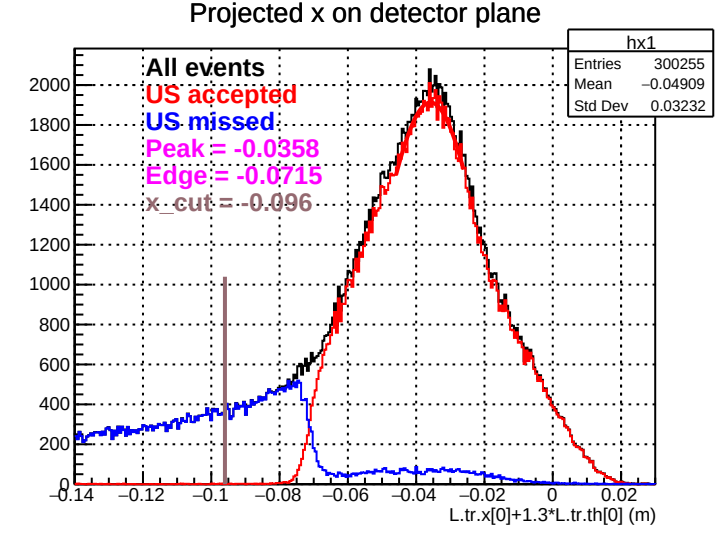

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 180982
Mean 0.5548
Std Dev 0.07107
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

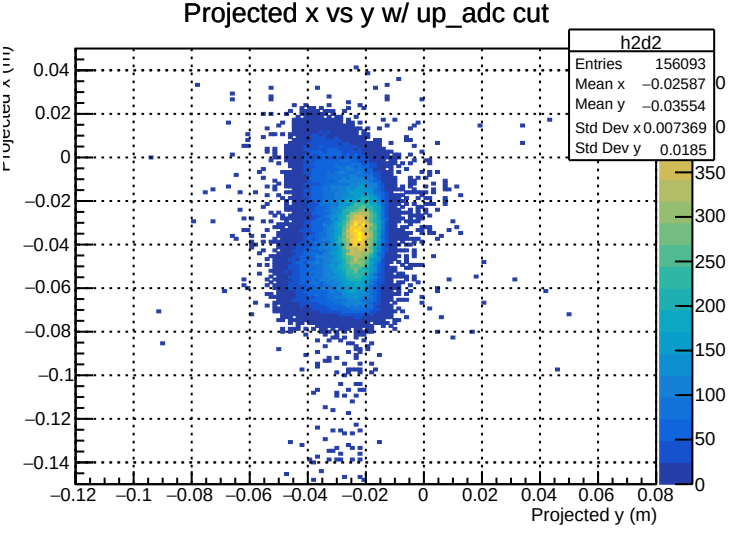

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 180982
Mean 0.006254
Std Dev 0.001229
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

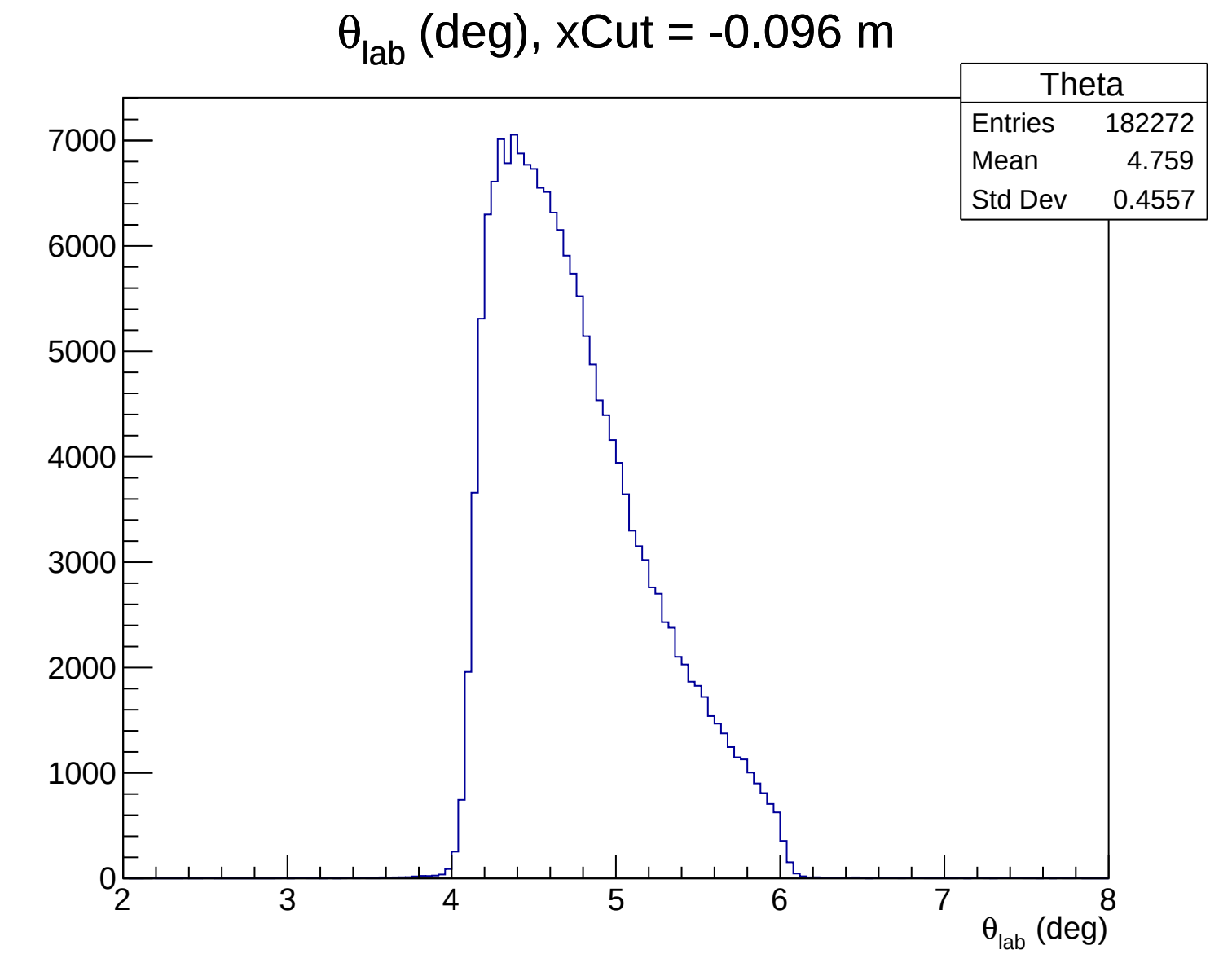

Sensitivity, xCut = -0.094 m
sens
Entries 180982
Mean 0.02199
Std Dev 0.003937
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

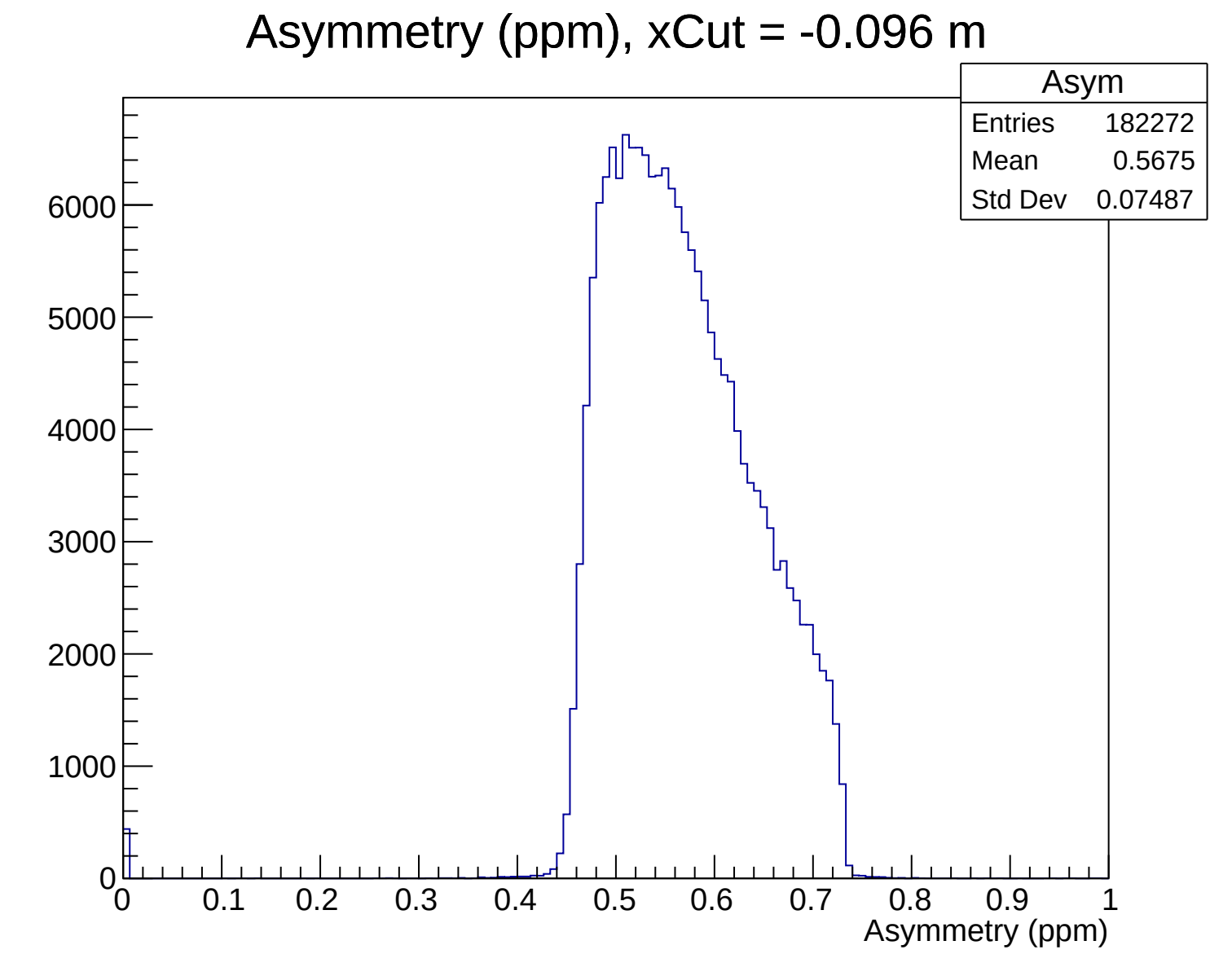

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

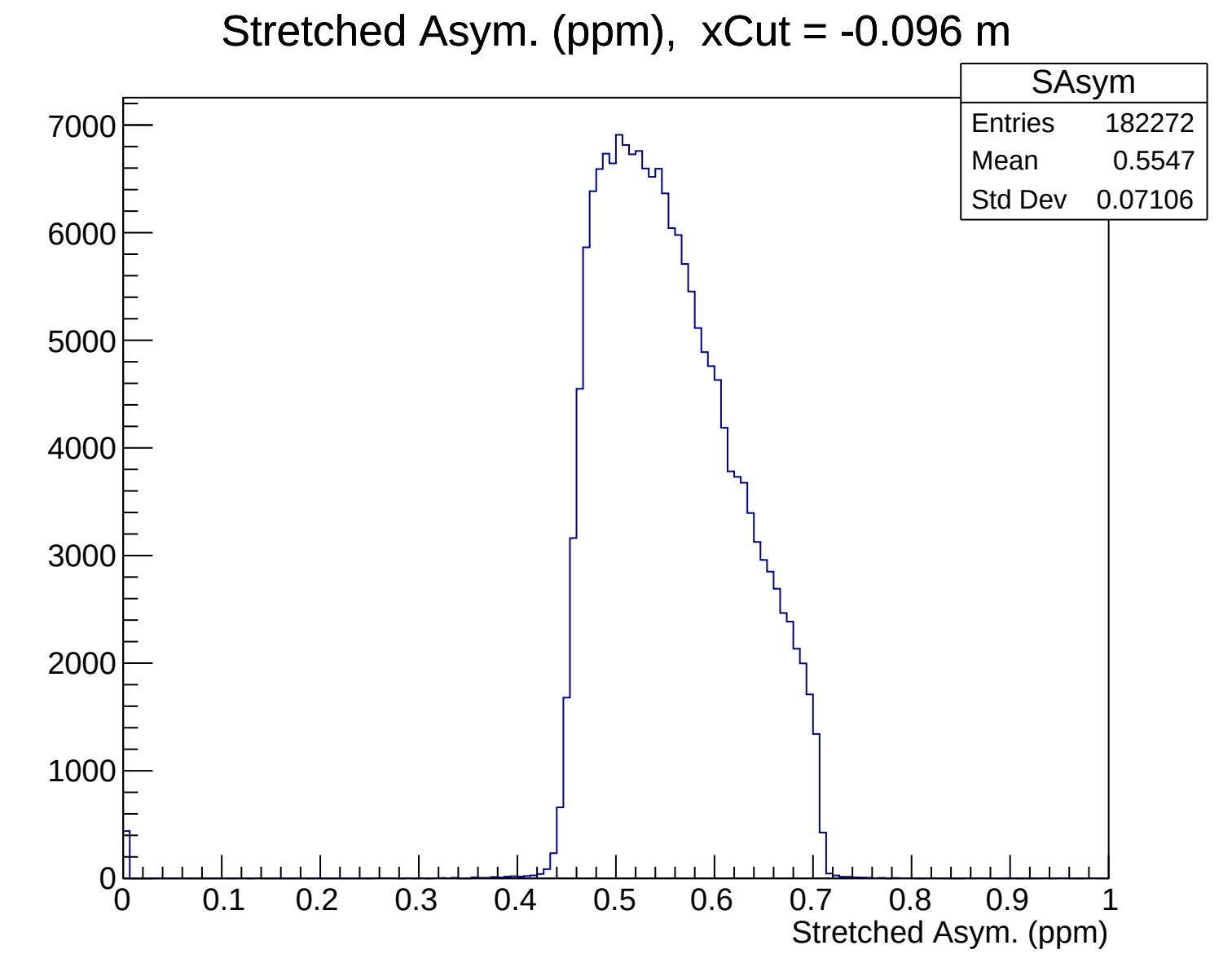

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

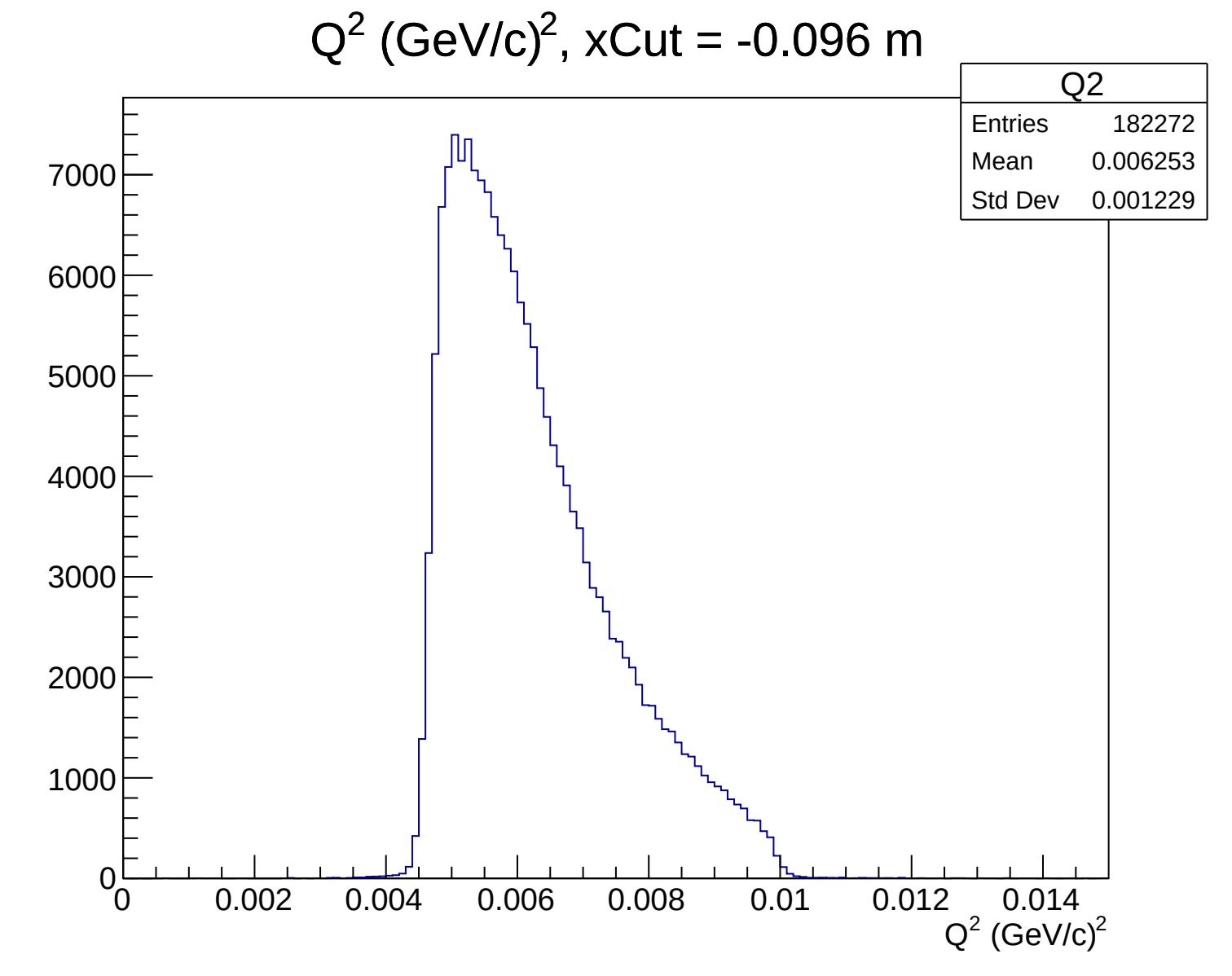

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.096
L.tr.x[0]+1.3*L.tr.th[0] (m)

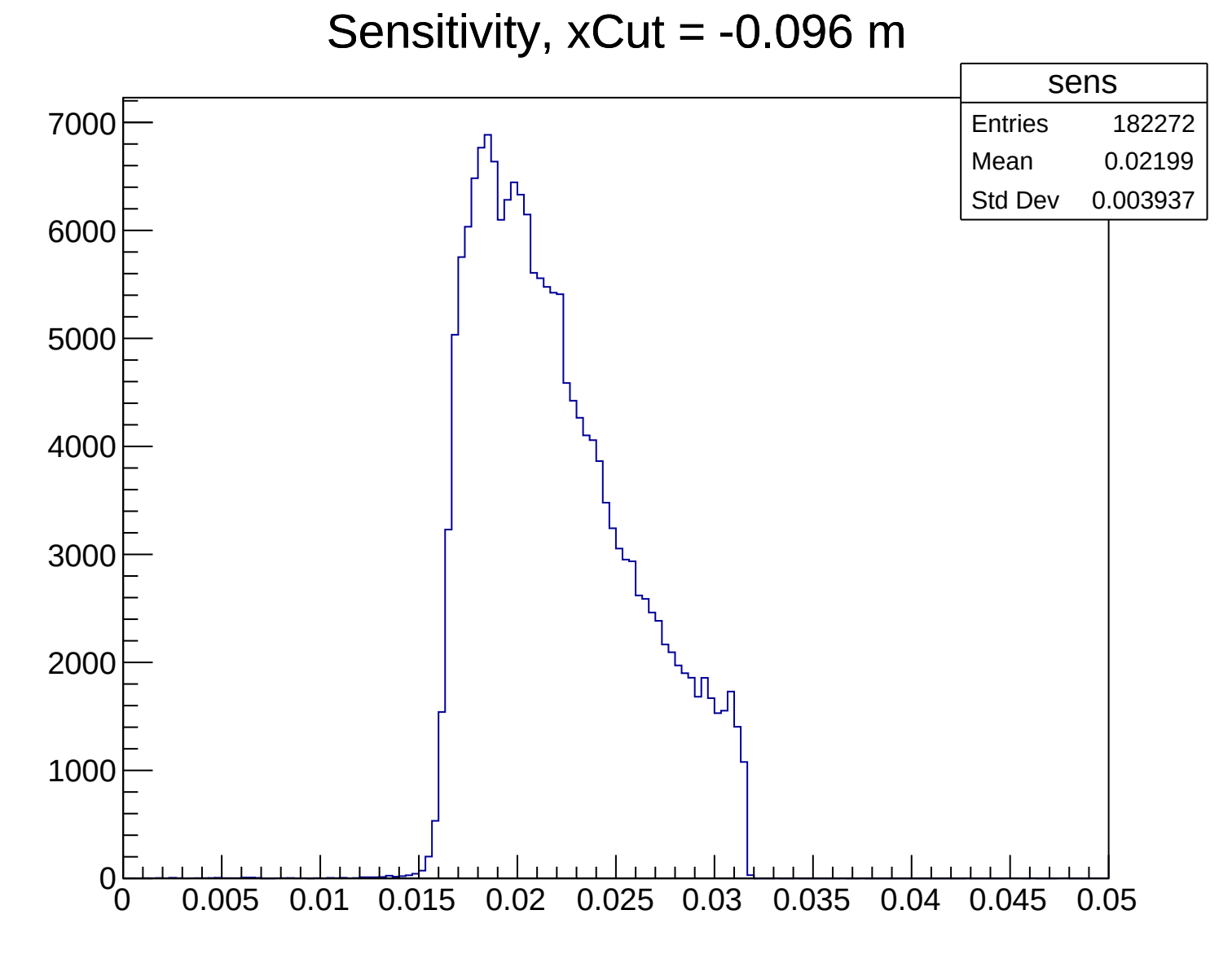

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

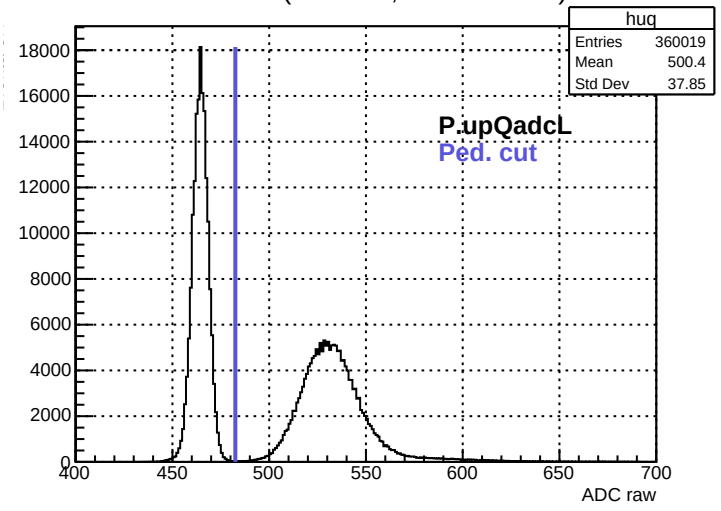

θlab (deg), xCut = -0.096 m
Theta
Entries 182272
Mean 4.759
Std Dev 0.4557
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

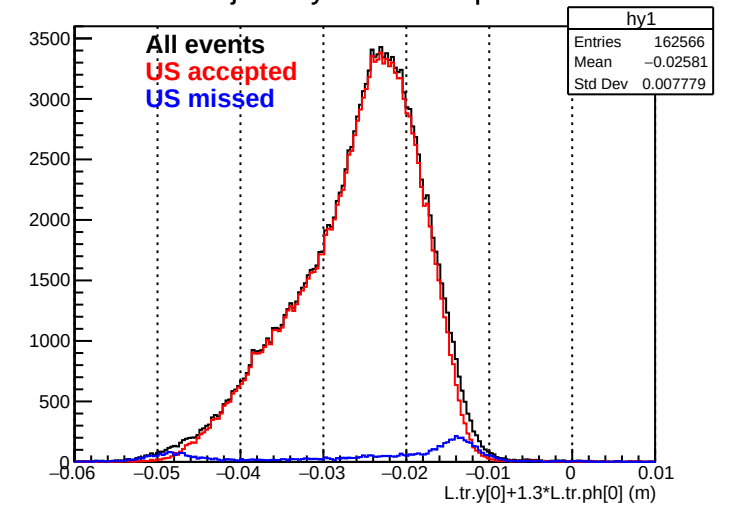

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 182272
Mean 0.5675
Std Dev 0.07487
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

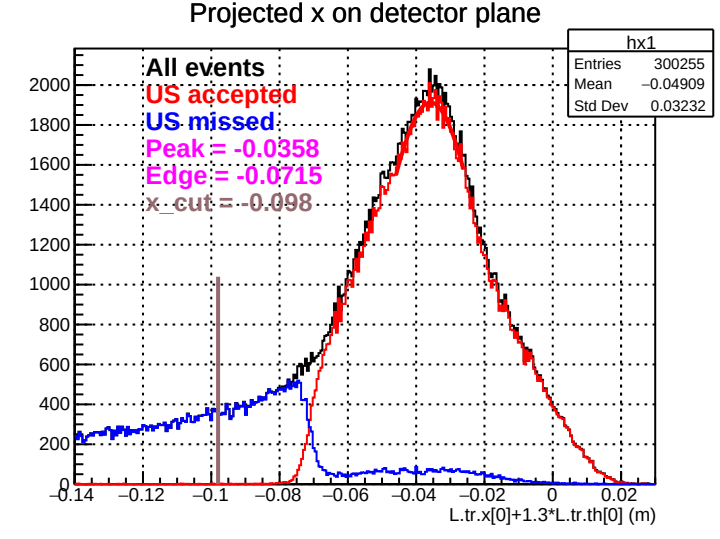

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 182272
Mean 0.5547
Std Dev 0.07106
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

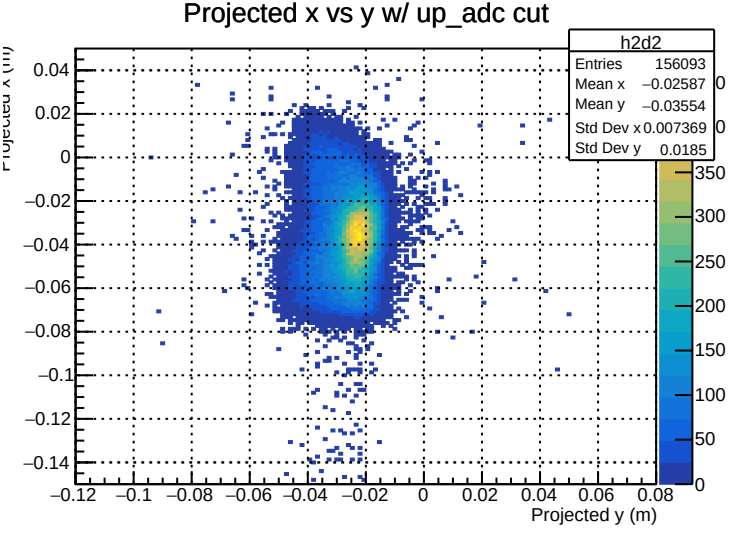

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 182272
Mean 0.006253
Std Dev 0.001229
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

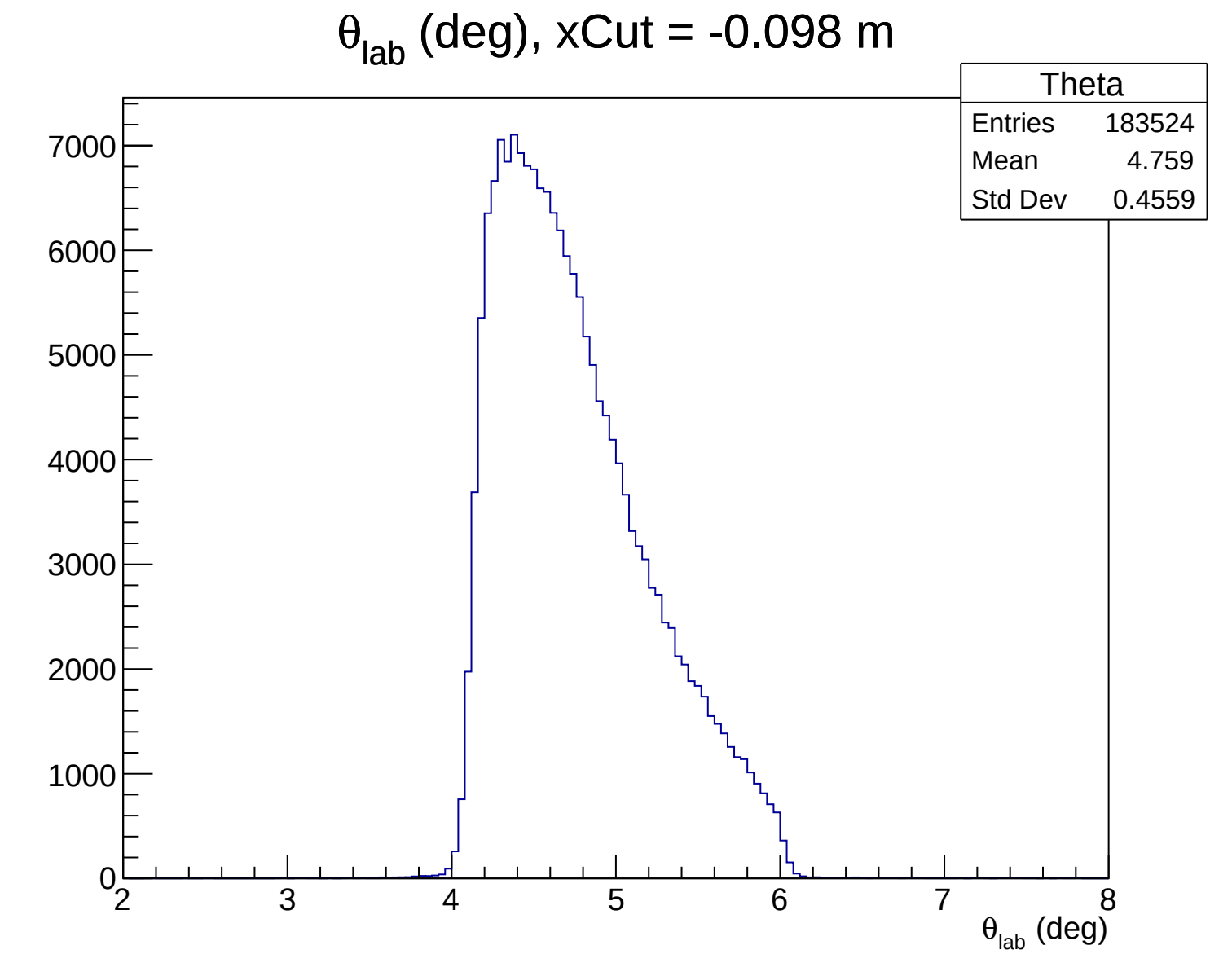

Sensitivity, xCut = -0.096 m
sens
Entries 182272
Mean 0.02199
Std Dev 0.003937
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

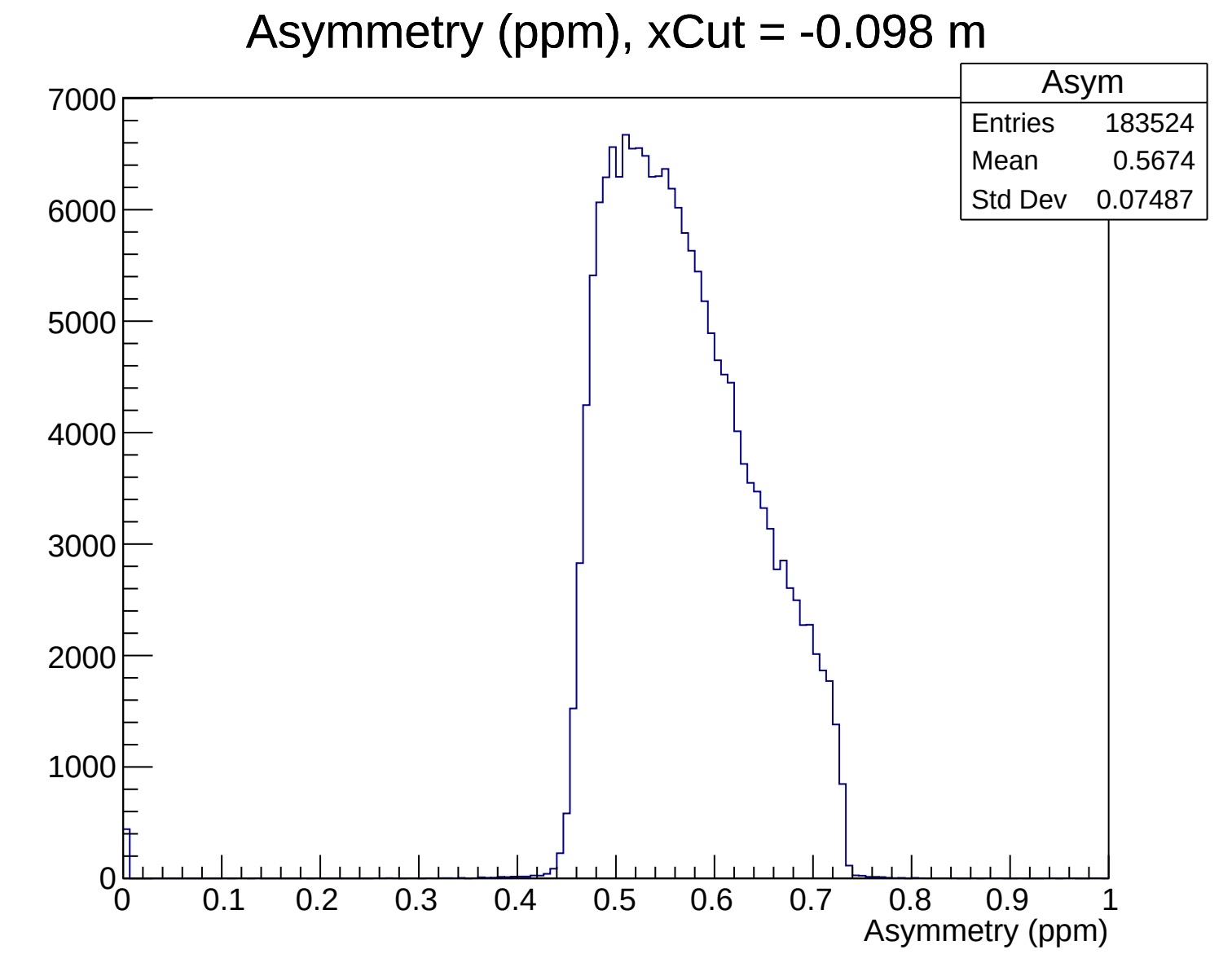

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

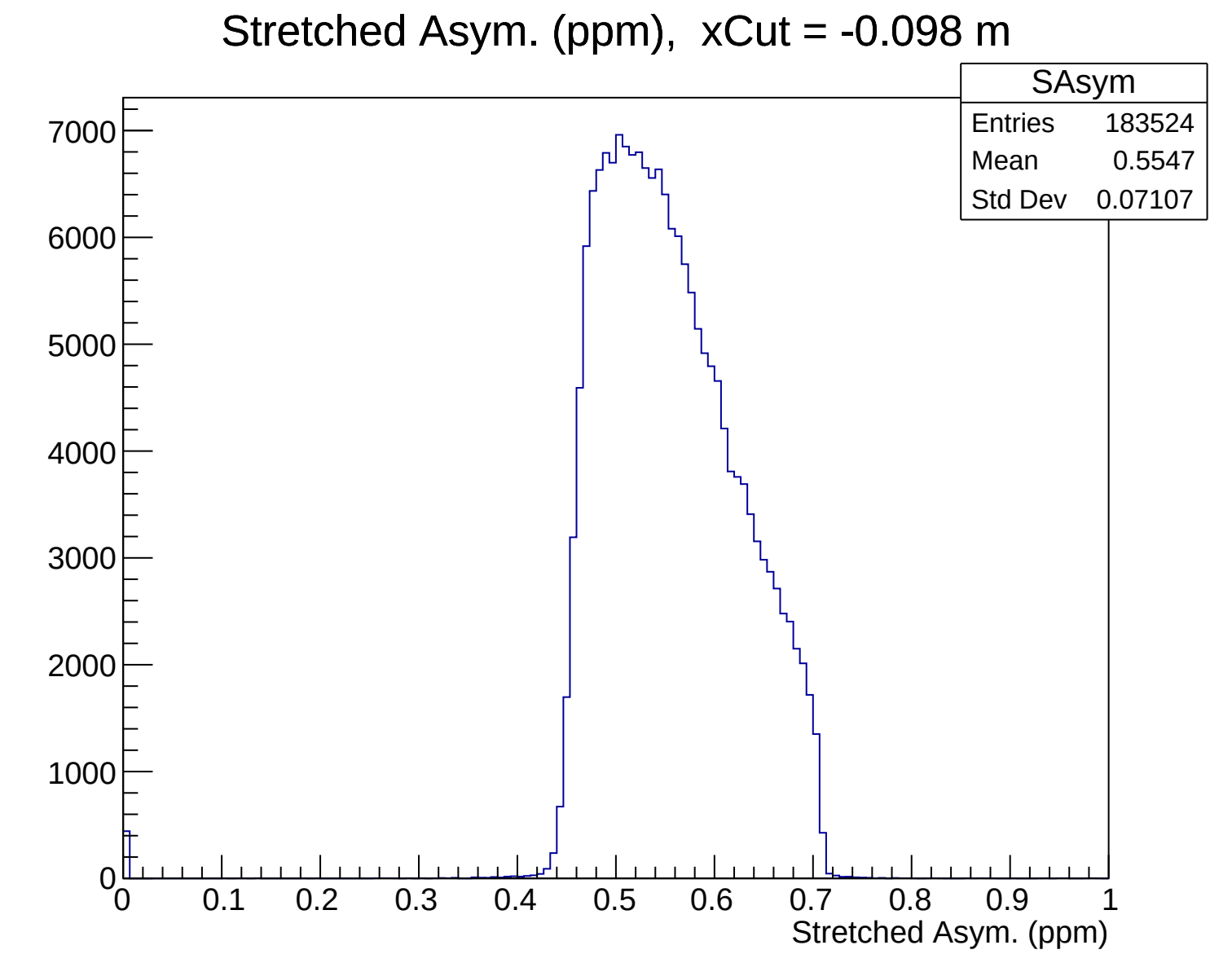

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

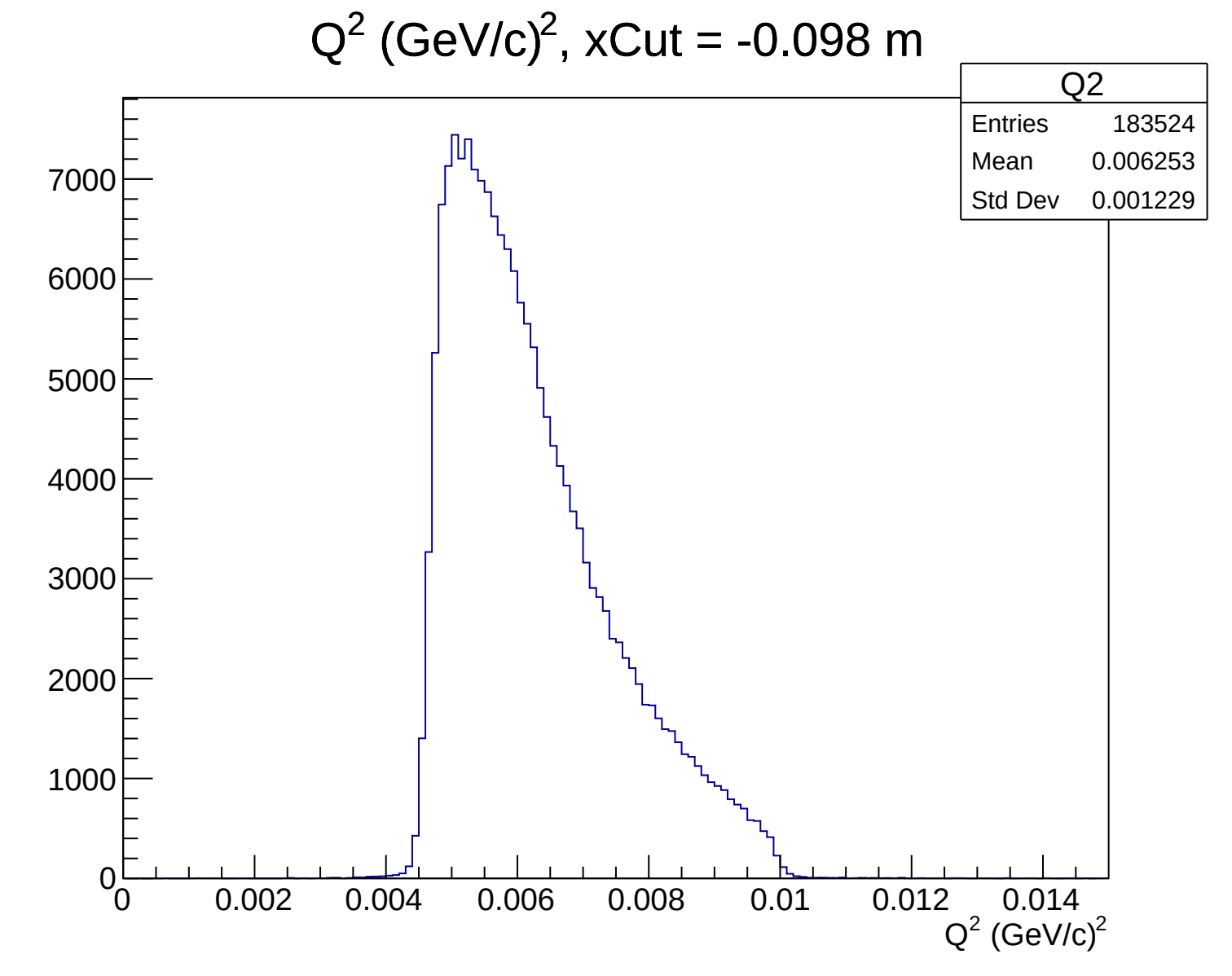

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

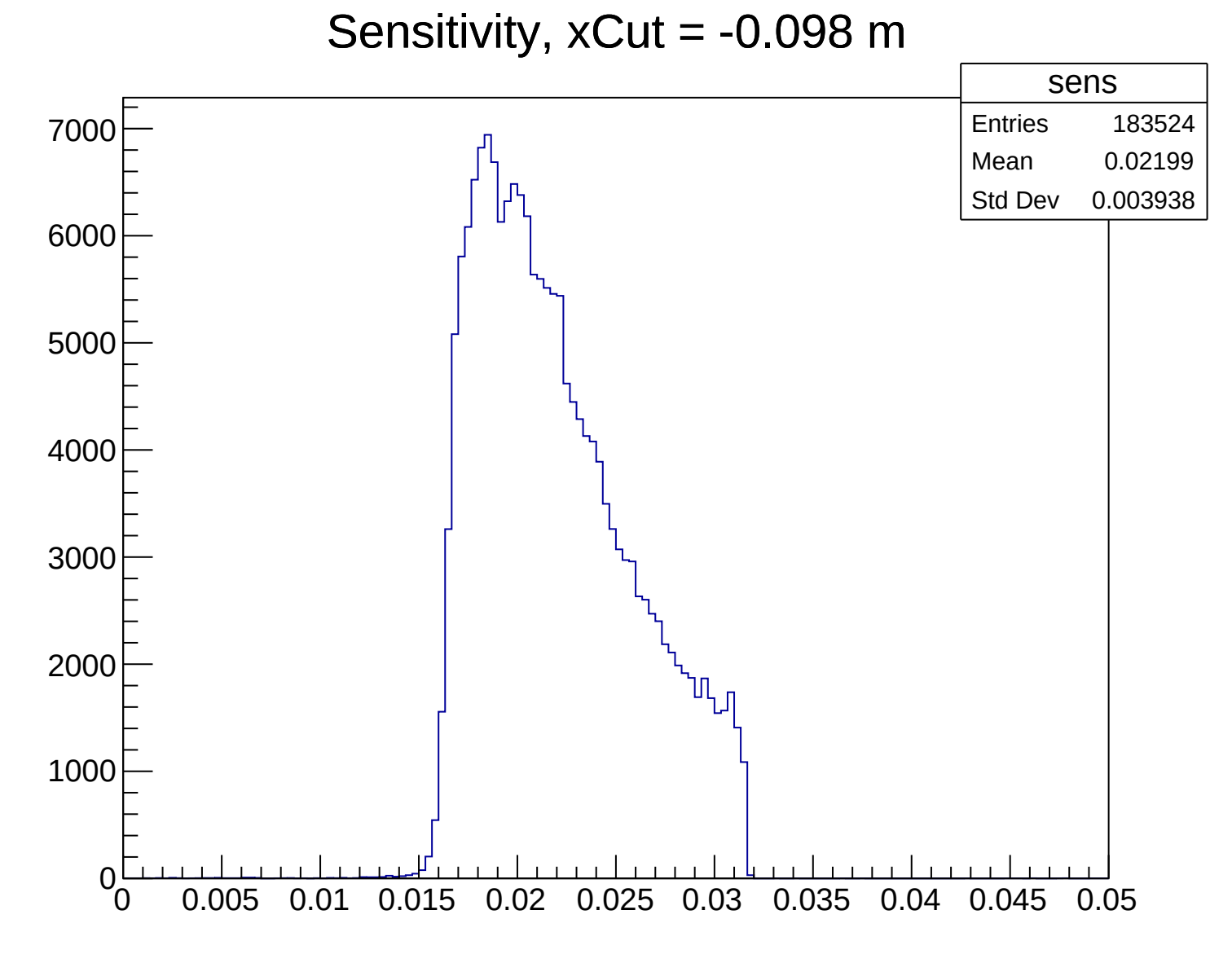

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

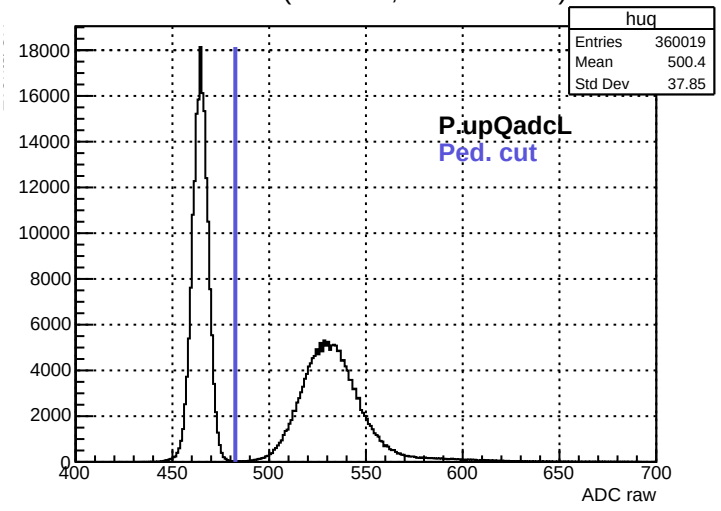

θlab (deg), xCut = -0.098 m
Theta
Entries 183524
Mean 4.759
Std Dev 0.4559
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

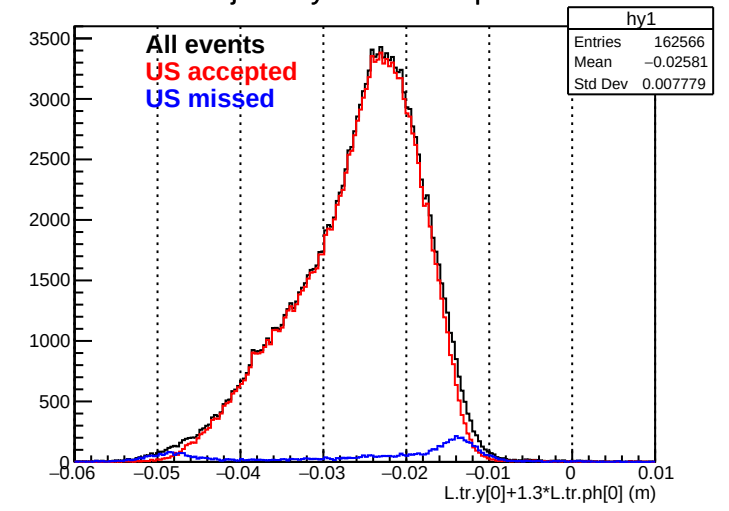

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 183524
Mean 0.5674
Std Dev 0.07487
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

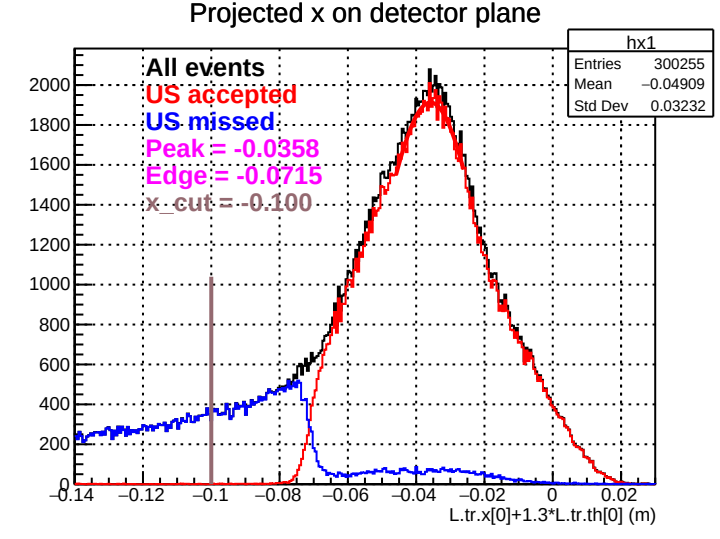

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 183524
Mean 0.5547
Std Dev 0.07107
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

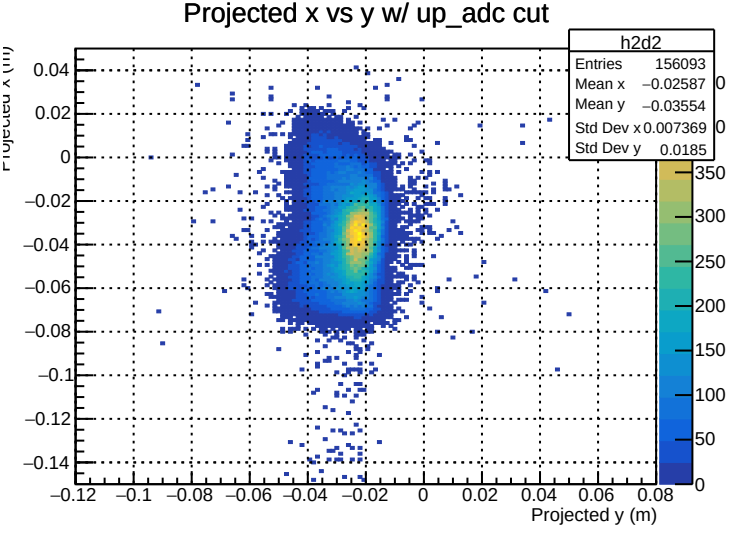

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 183524
Mean 0.006253
Std Dev 0.001229
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

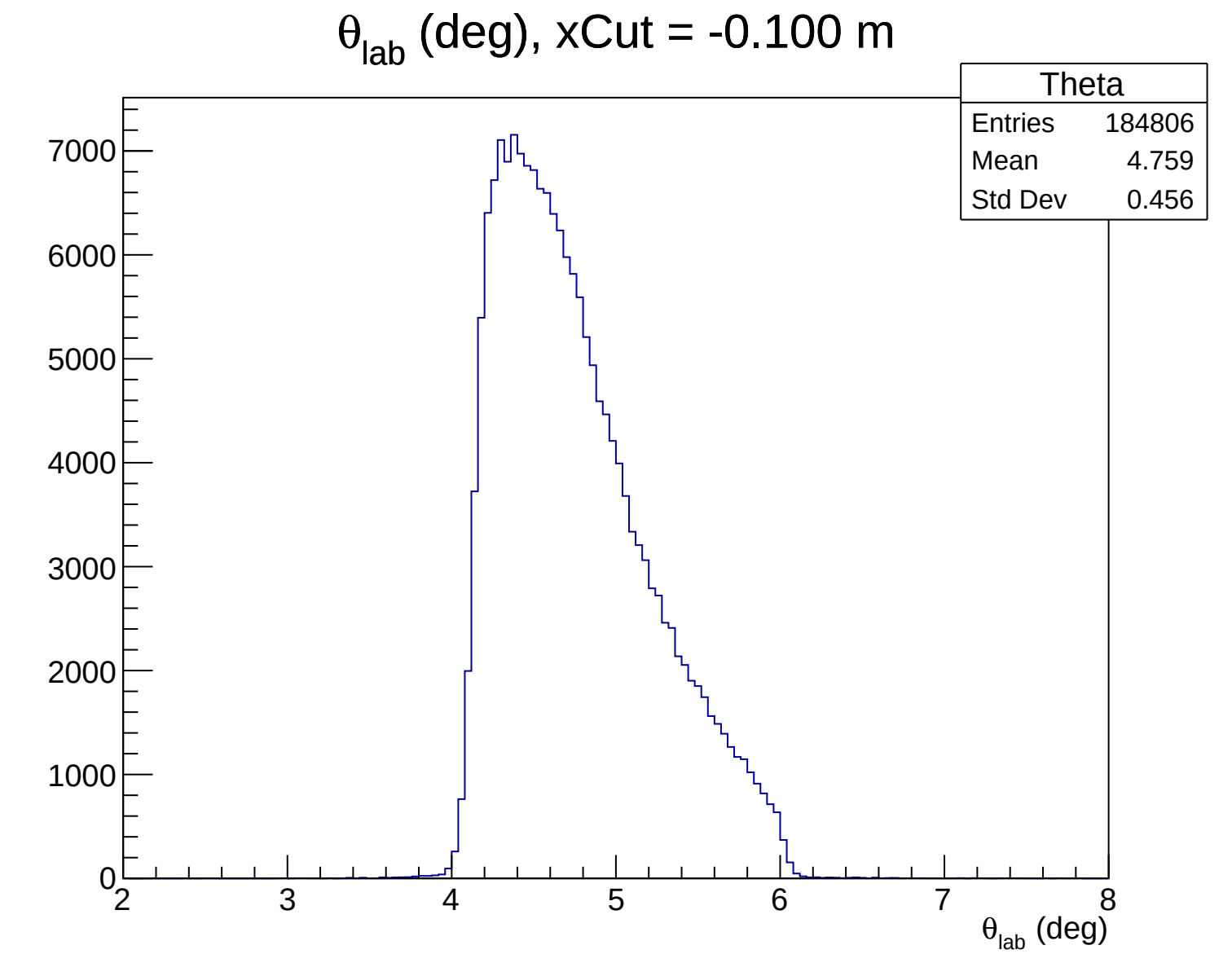

Sensitivity, xCut = -0.098 m
sens
Entries 183524
Mean 0.02199
Std Dev 0.003938
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

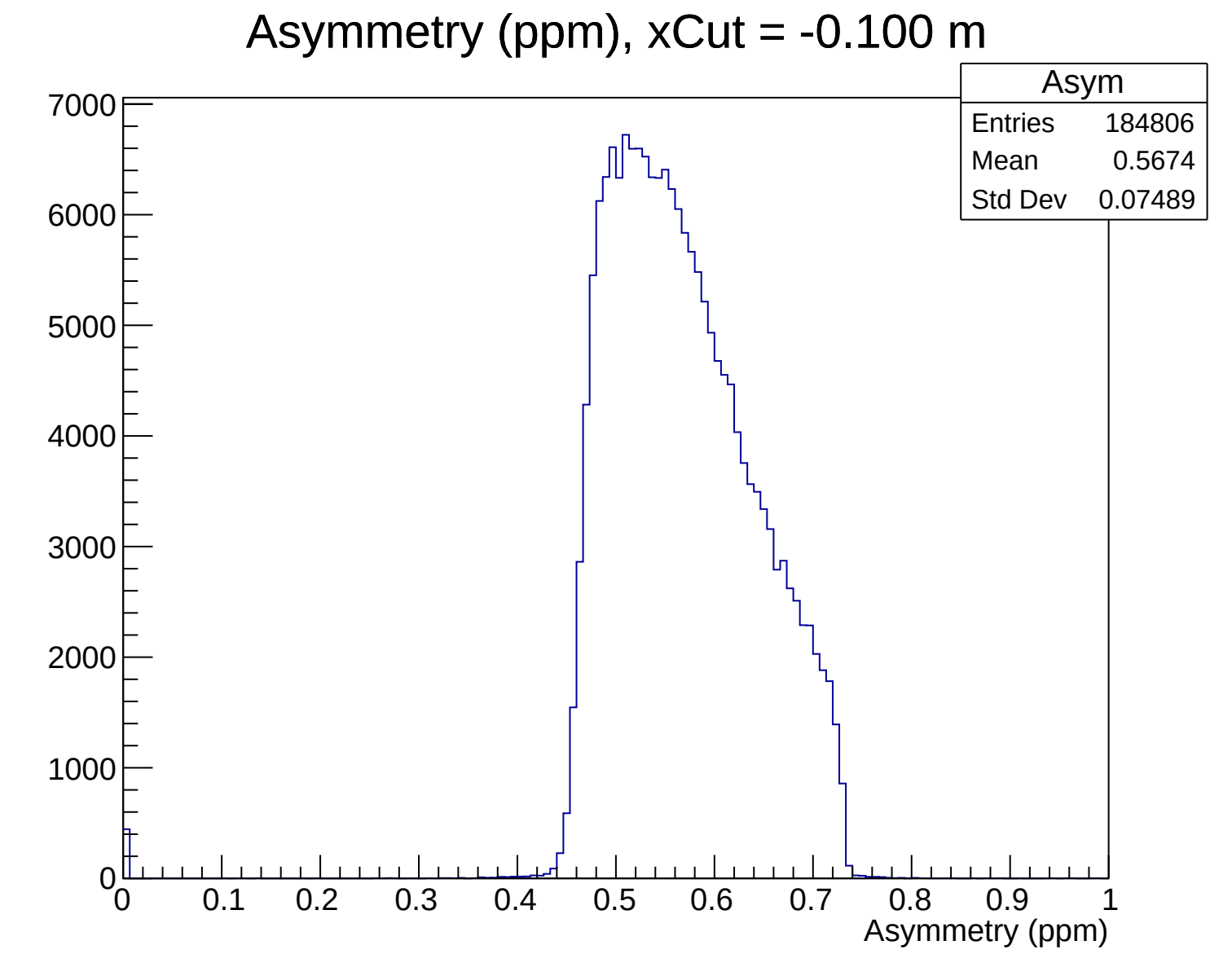

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

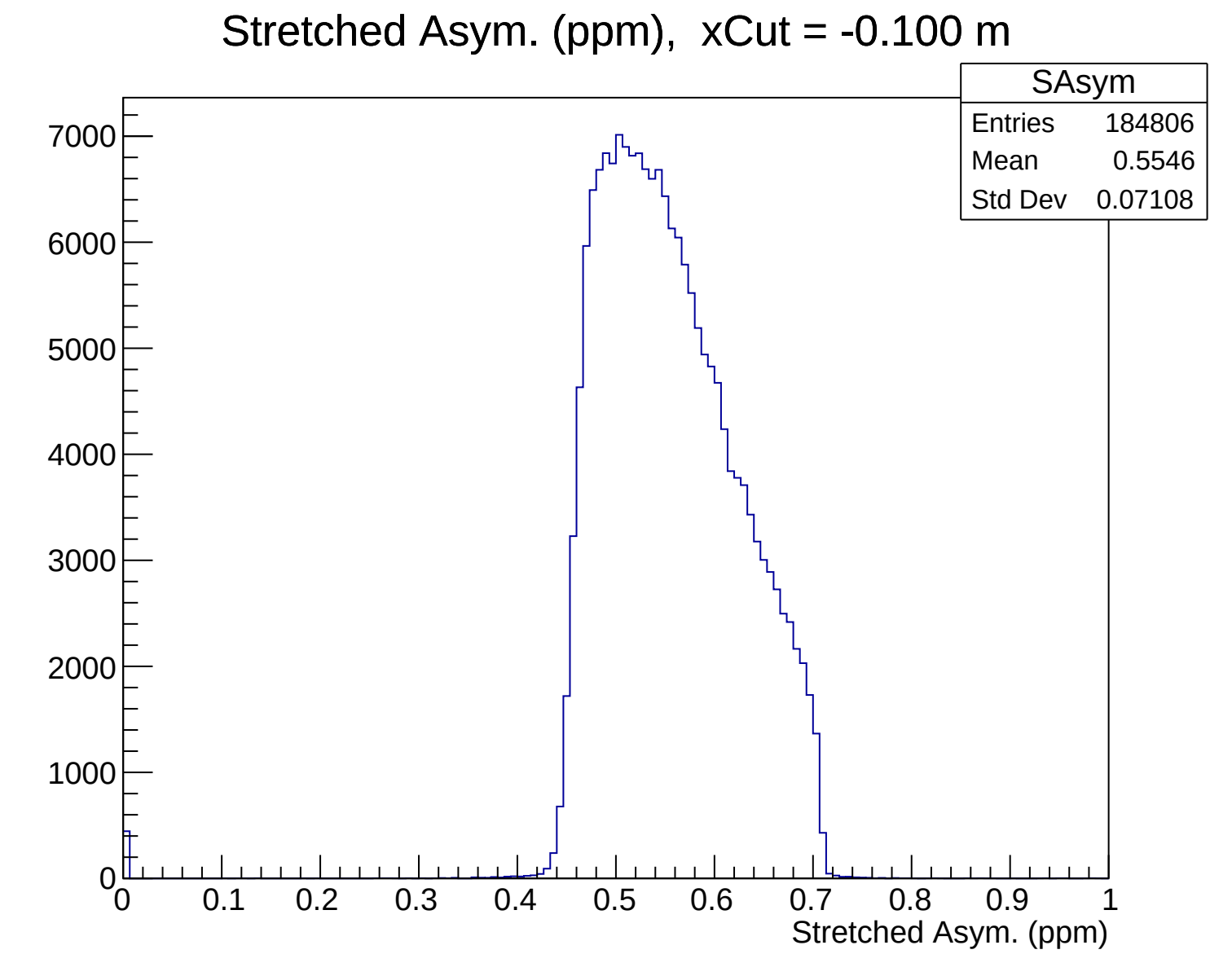

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

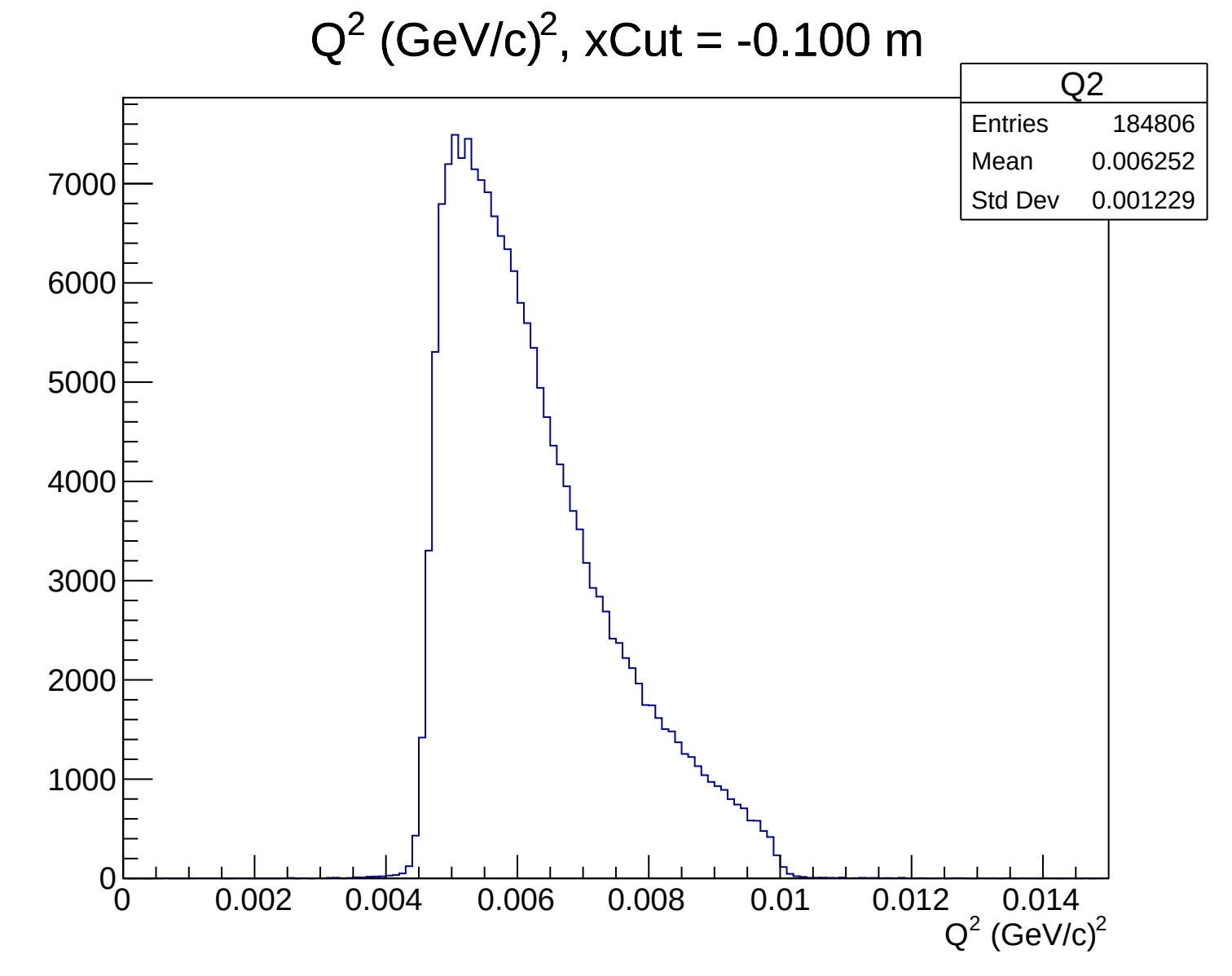

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

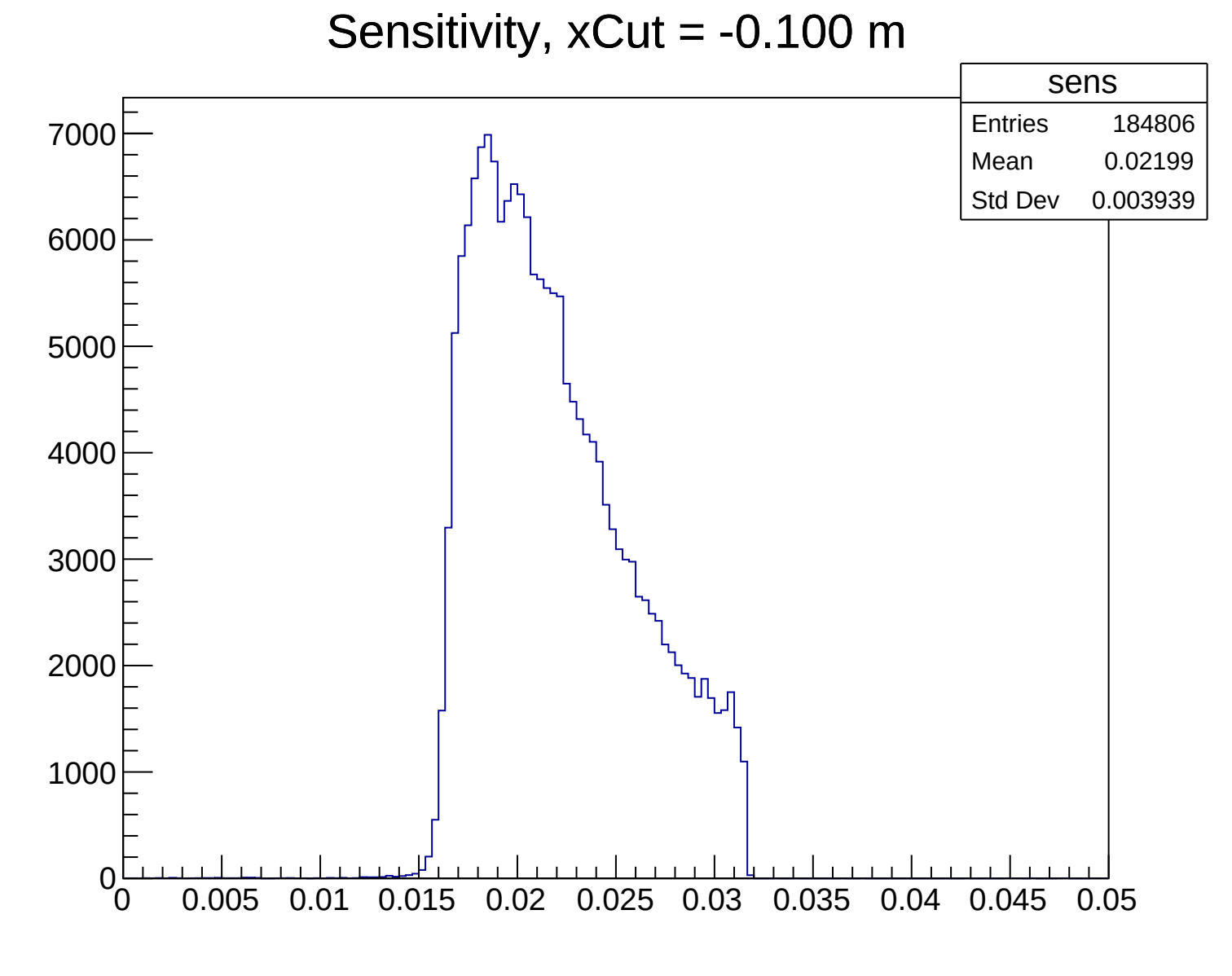

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

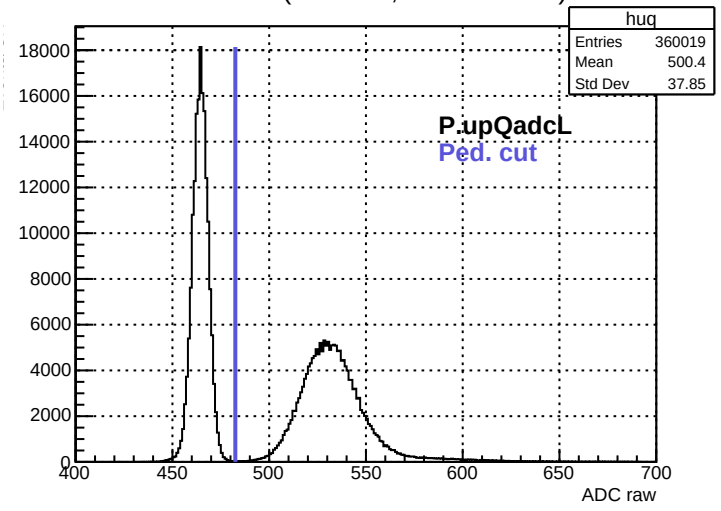

θlab (deg), xCut = -0.100 m
Theta
Entries 184806
Mean 4.759
Std Dev 0.456
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

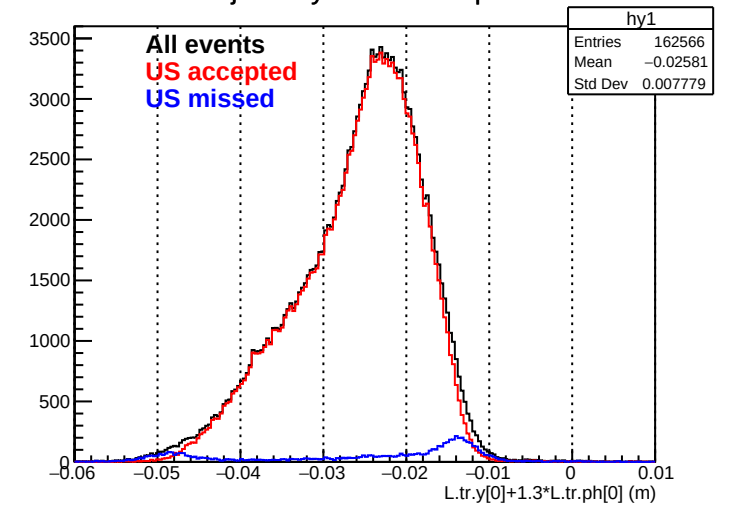

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 184806
Mean 0.5674
Std Dev 0.07489
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

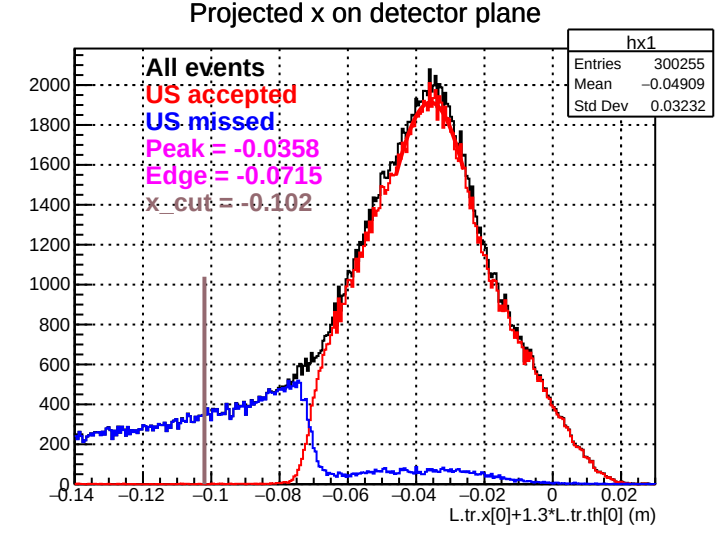

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 184806
Mean 0.5546
Std Dev 0.07108
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

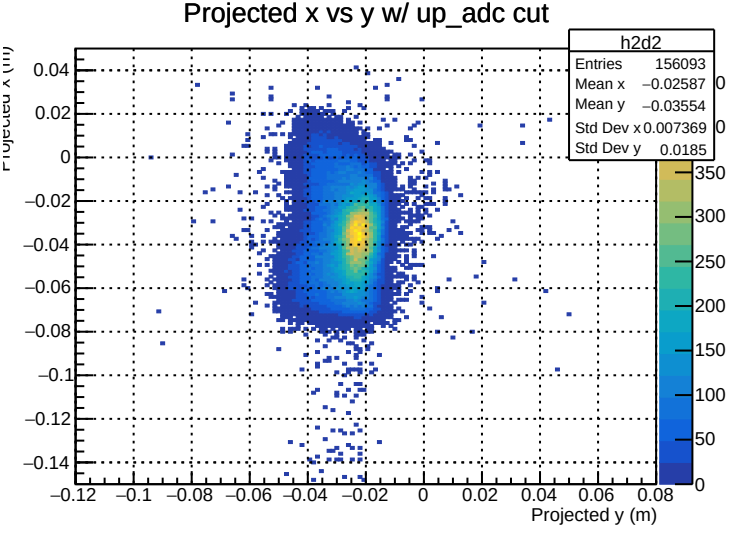

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 184806
Mean 0.006252
Std Dev 0.001229
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

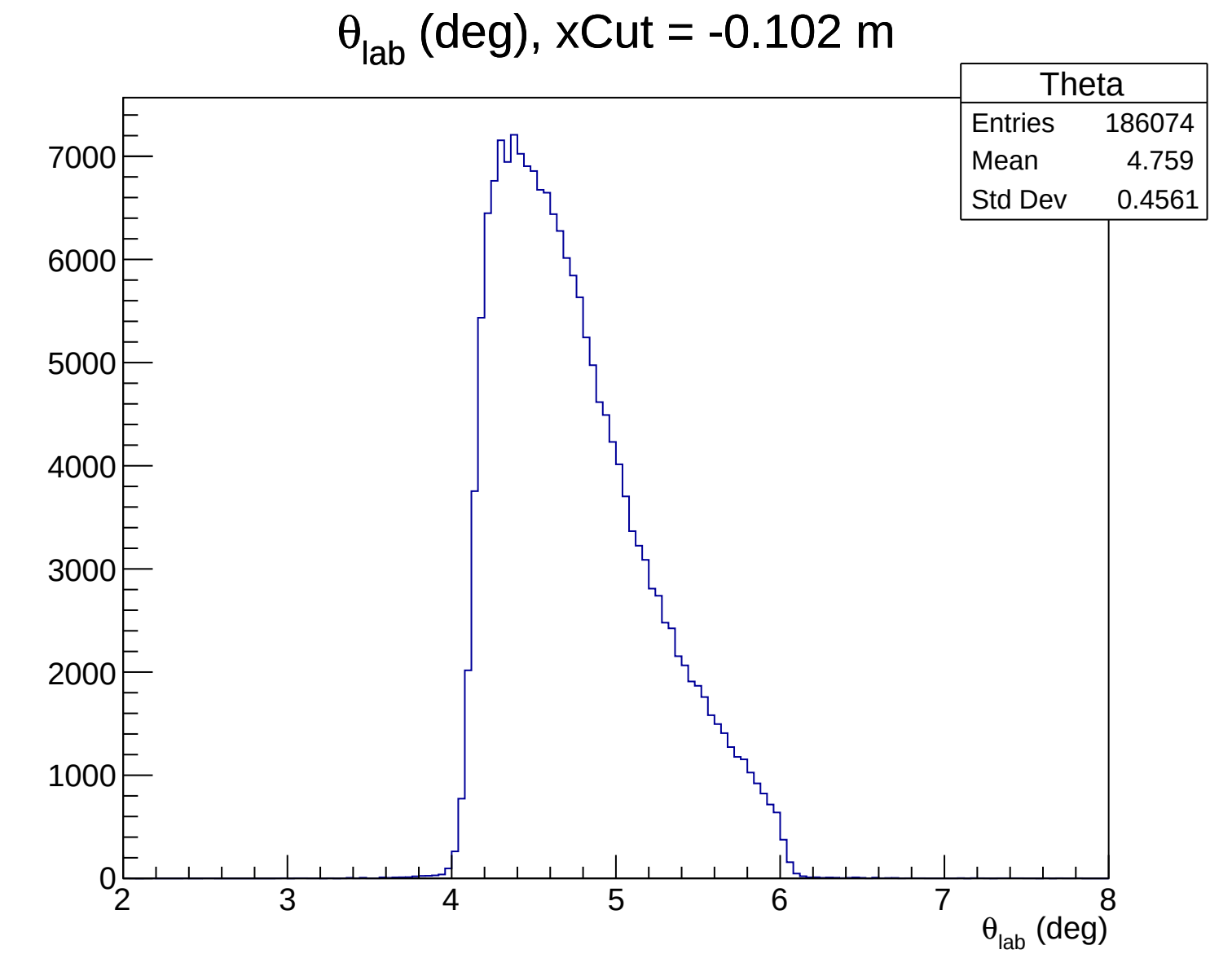

Sensitivity, xCut = -0.100 m
sens
Entries 184806
Mean 0.02199
Std Dev 0.003939
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

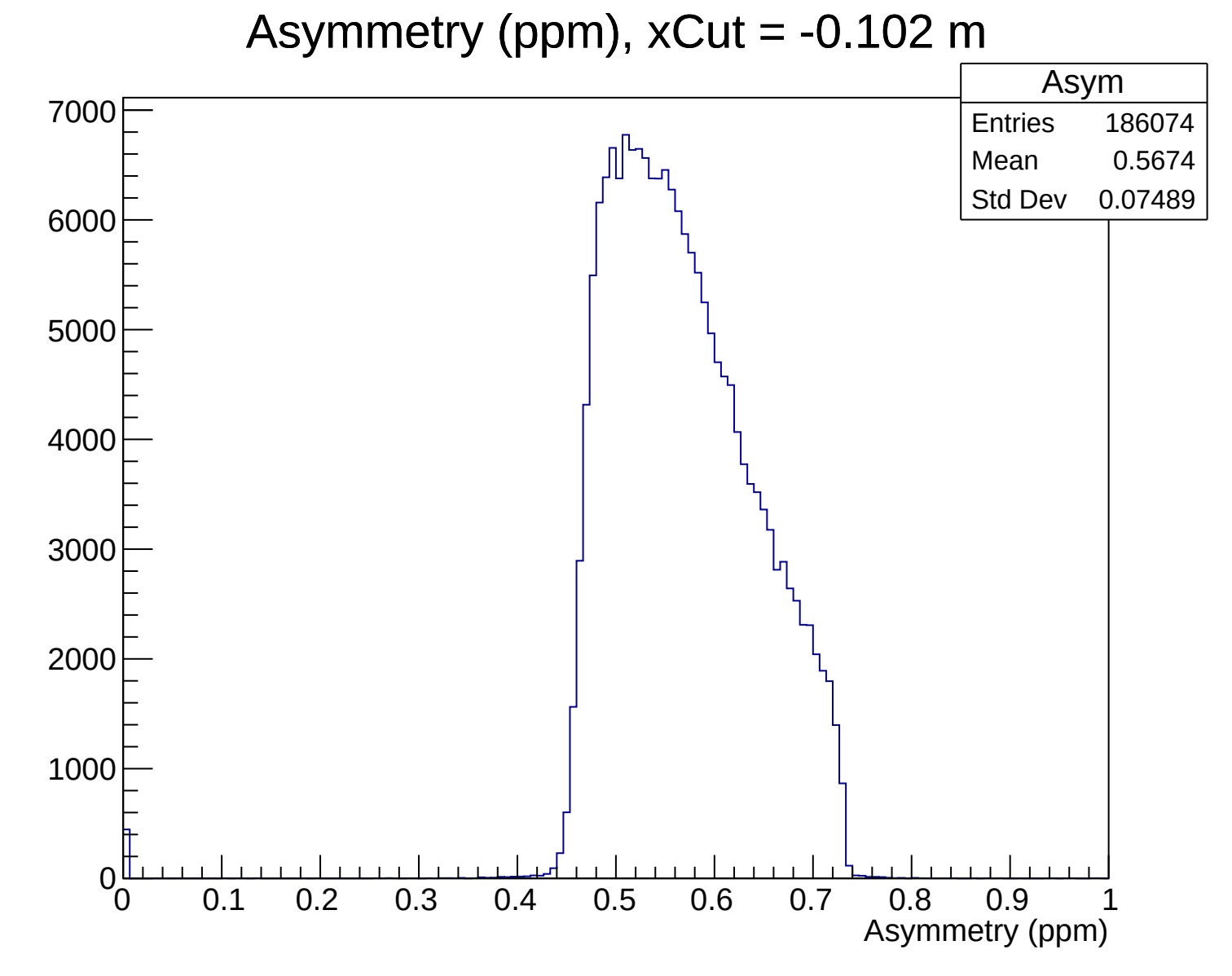

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

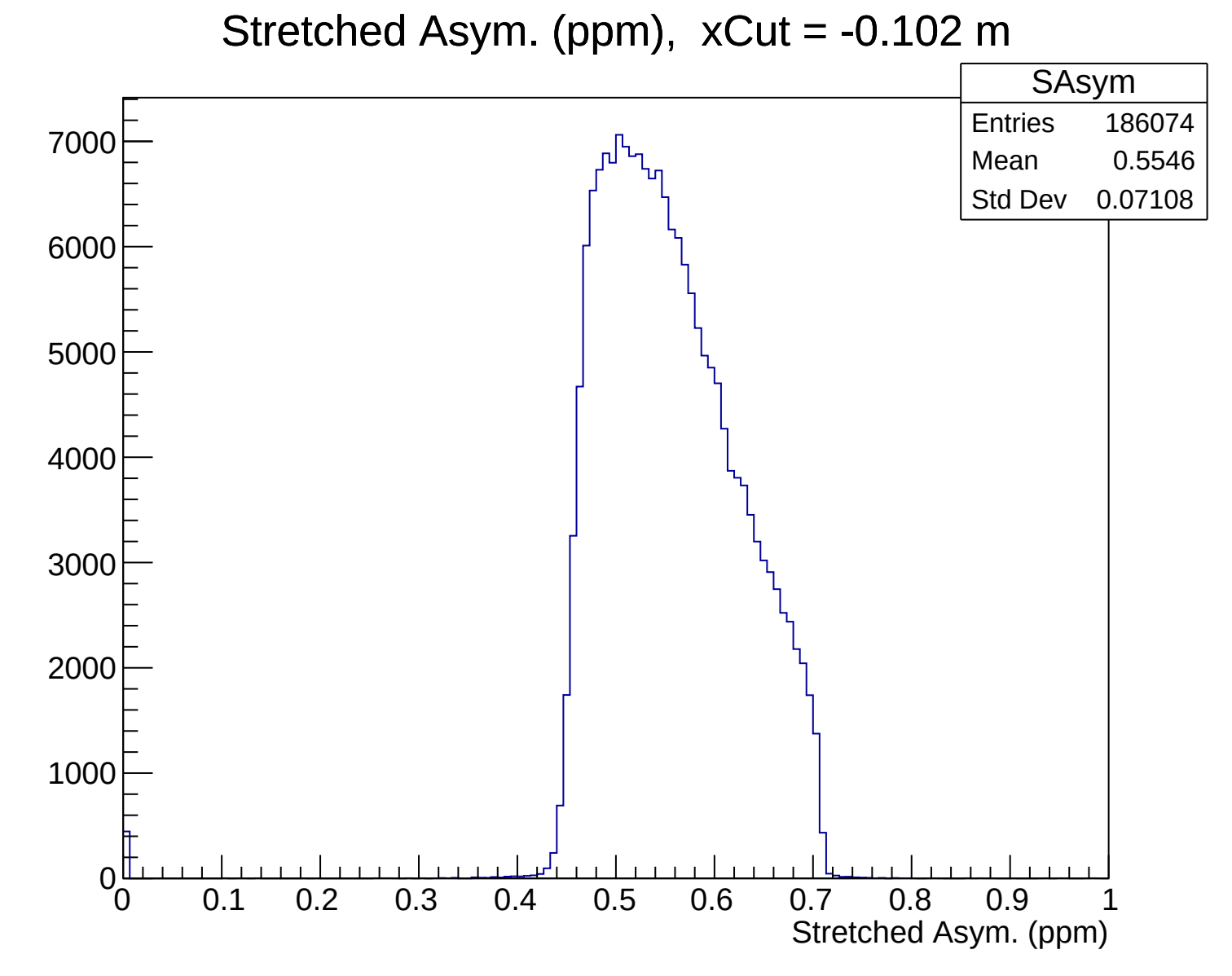

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

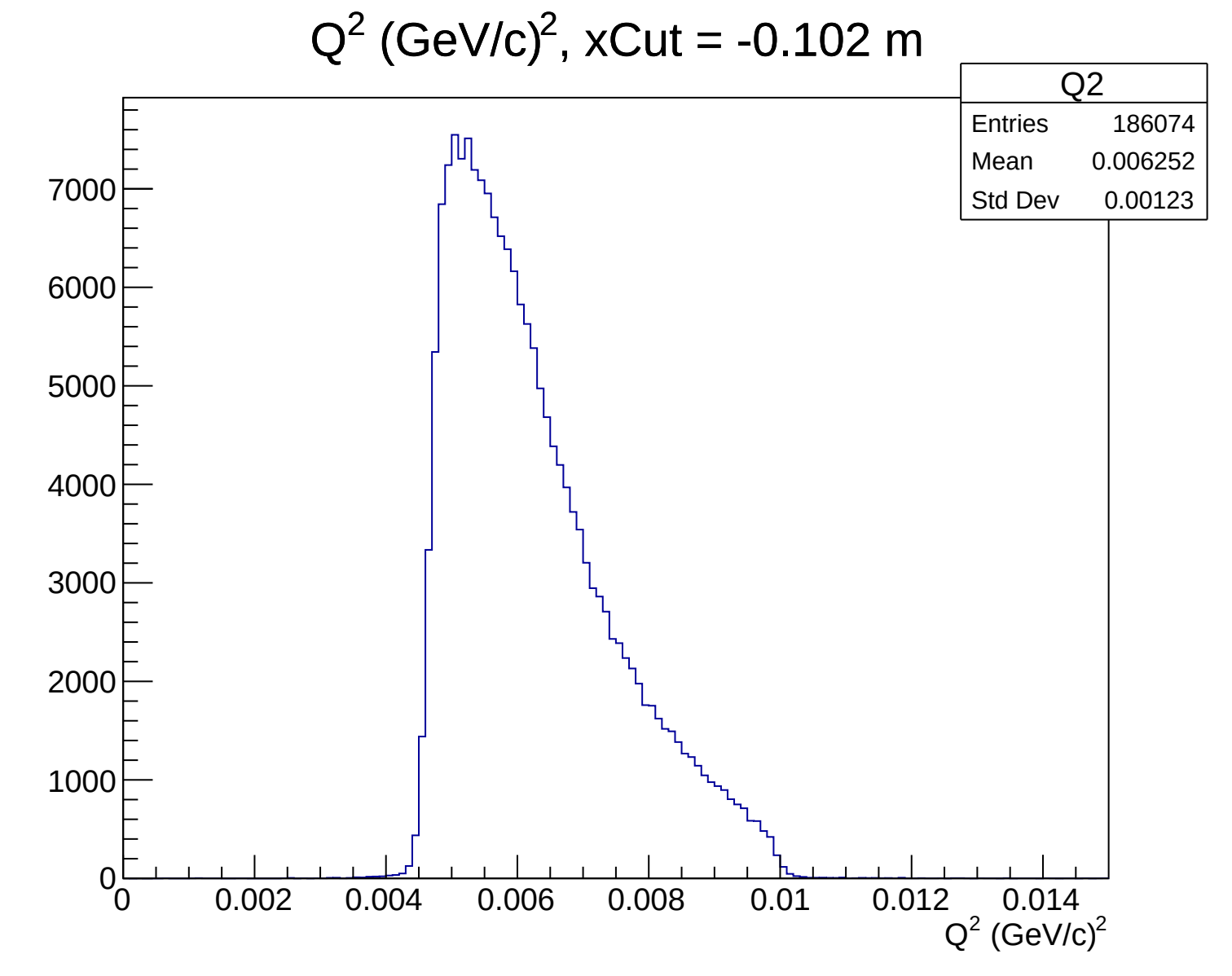

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.102
L.tr.x[0]+1.3*L.tr.th[0] (m)

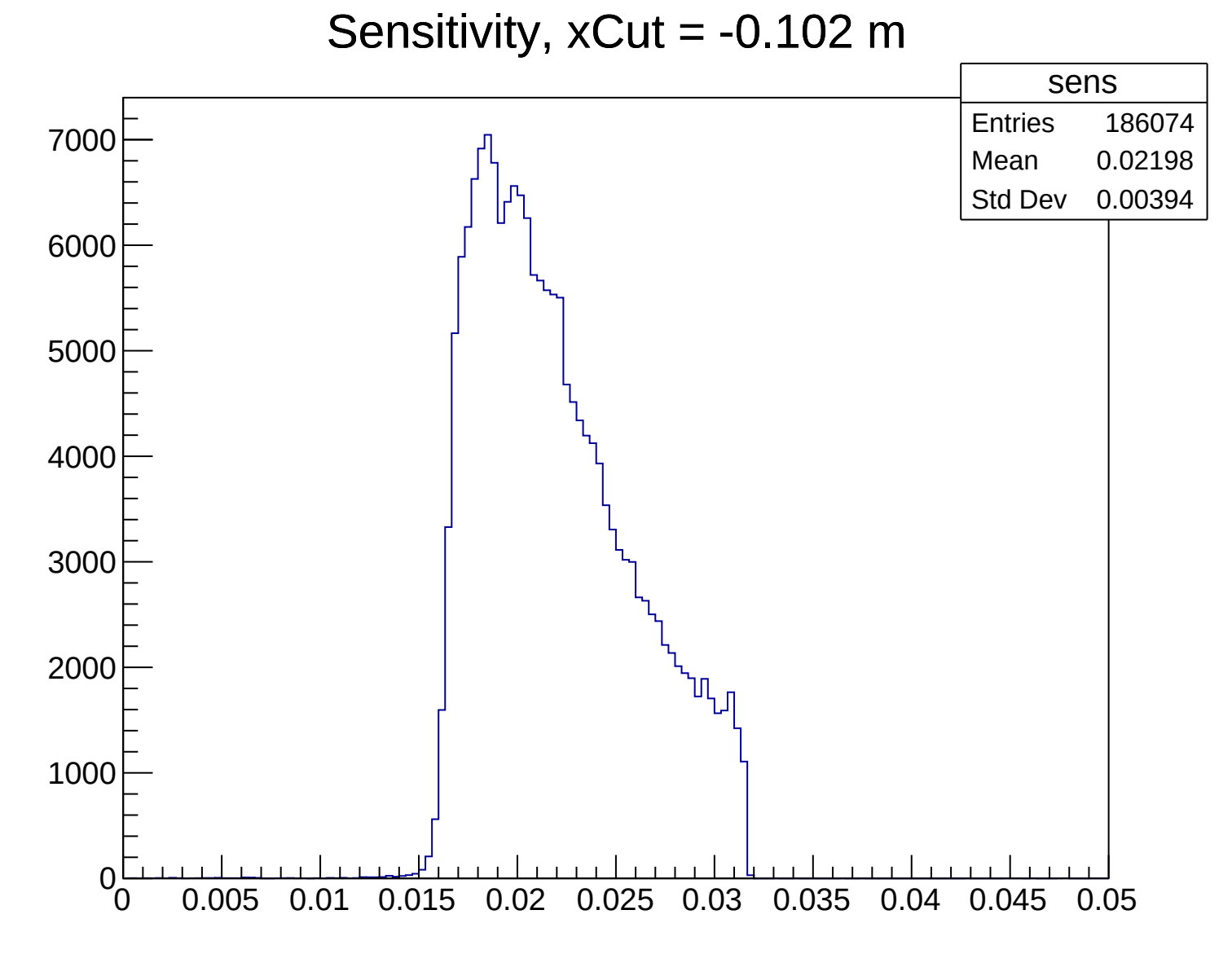

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

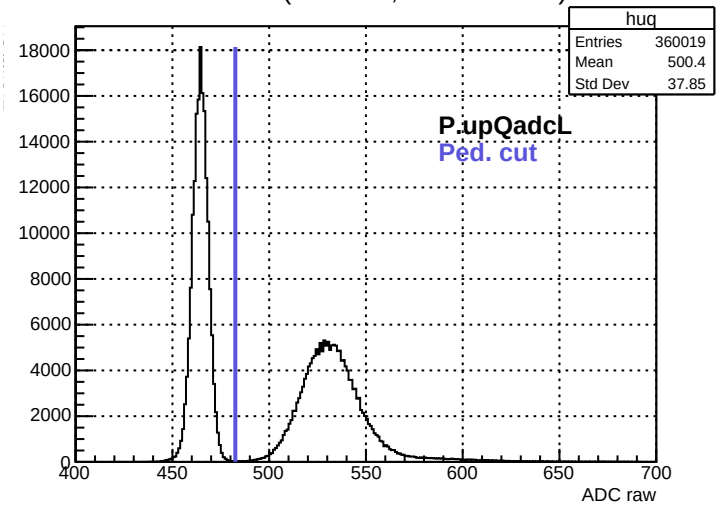

θlab (deg), xCut = -0.102 m
Theta
Entries 186074
Mean 4.759
Std Dev 0.4561
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

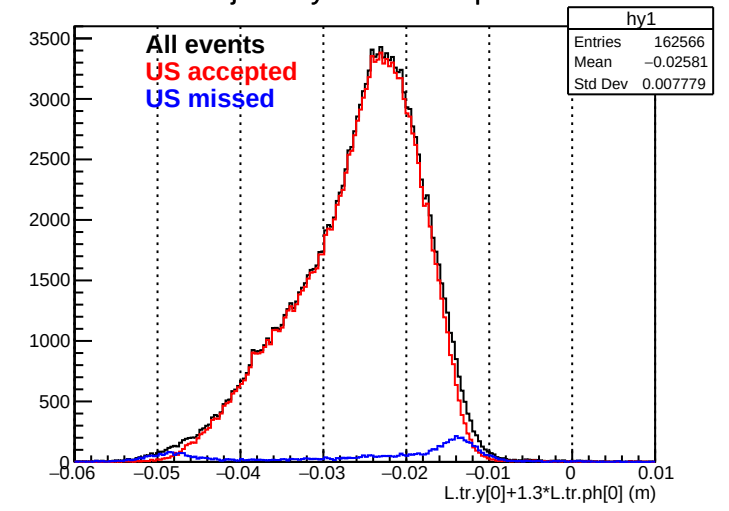

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 186074
Mean 0.5674
Std Dev 0.07489
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

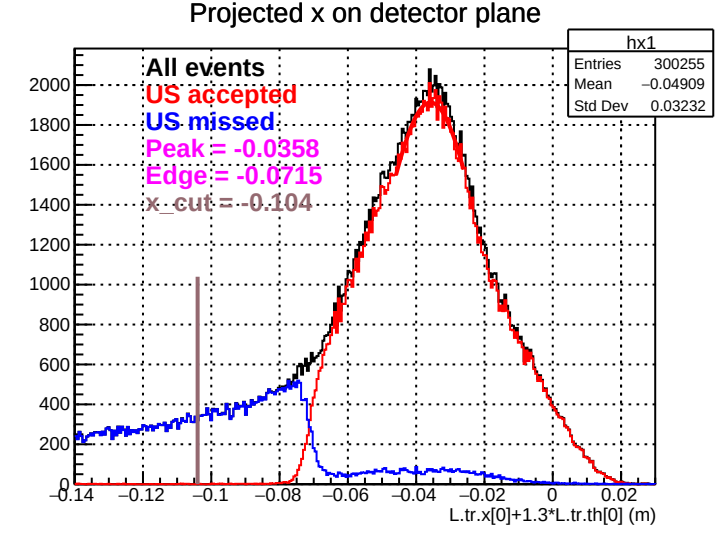

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 186074
Mean 0.5546
Std Dev 0.07108
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

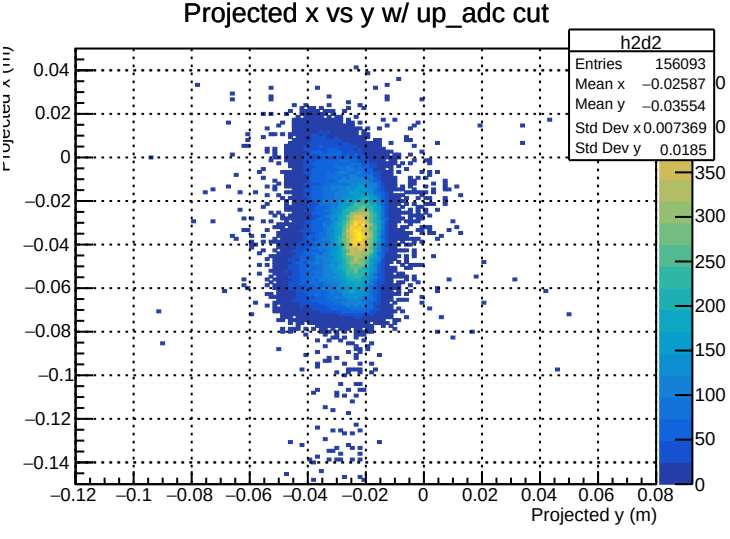

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 186074
Mean 0.006252
Std Dev 0.00123
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

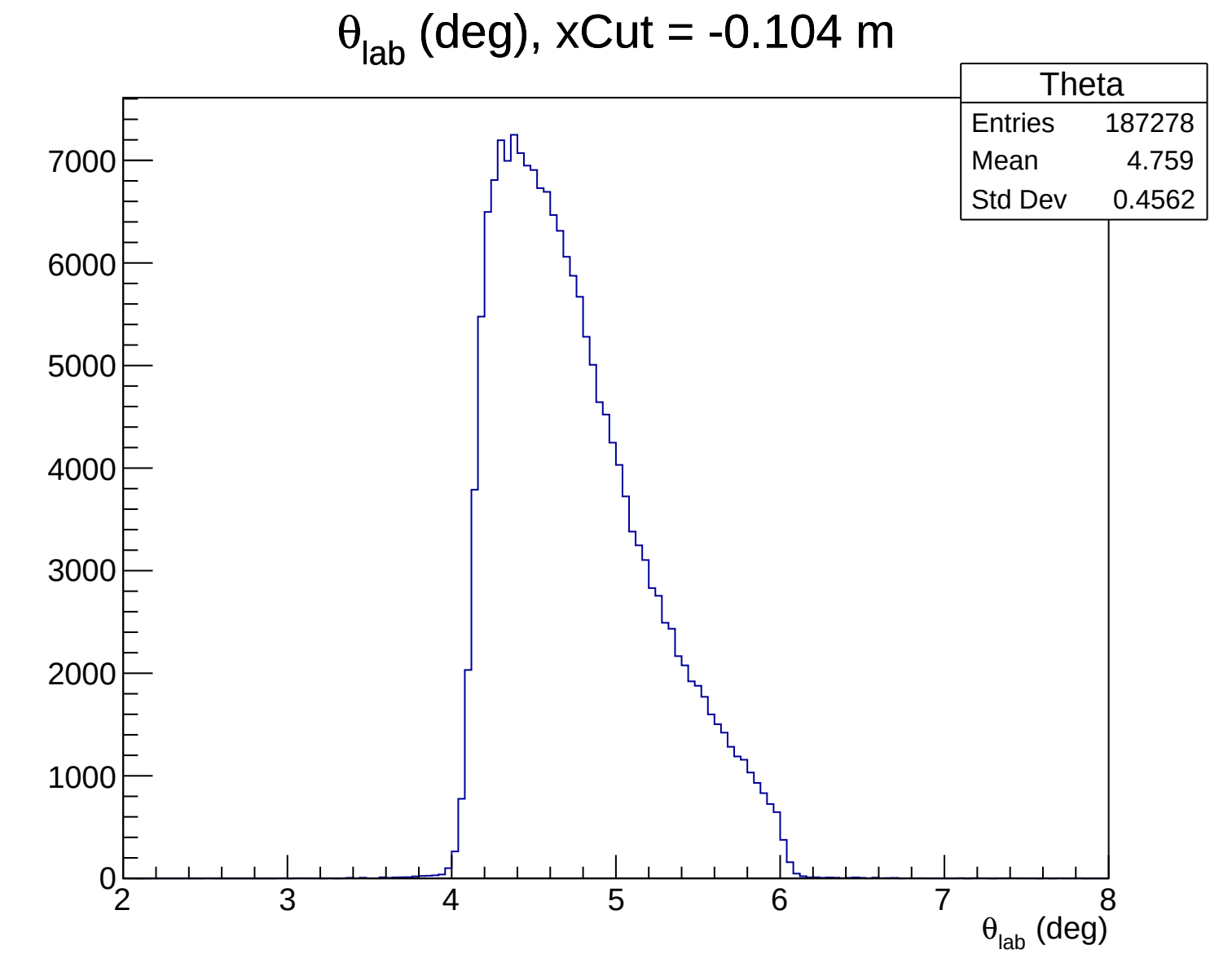

Sensitivity, xCut = -0.102 m
sens
Entries 186074
Mean 0.02198
Std Dev 0.00394
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

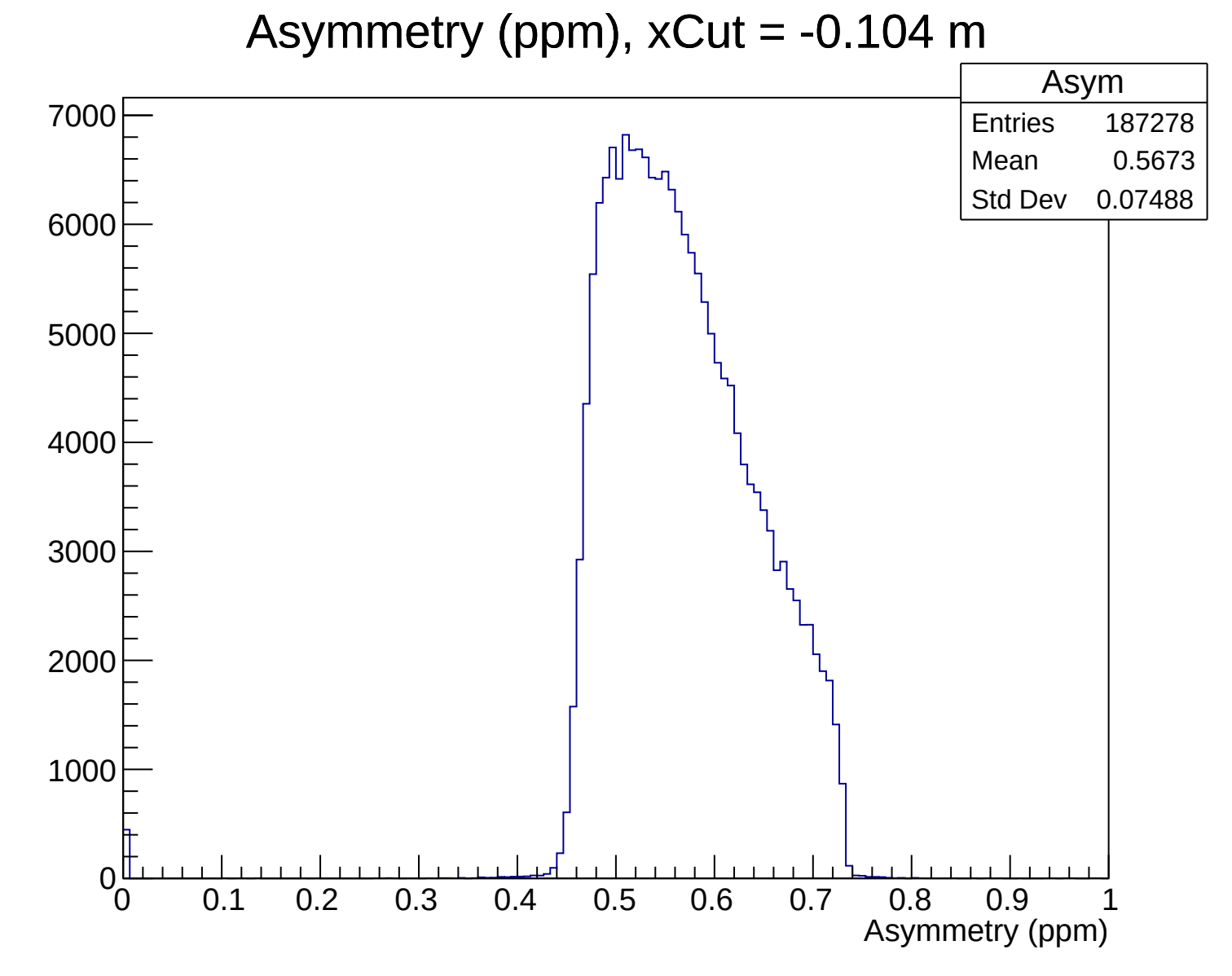

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

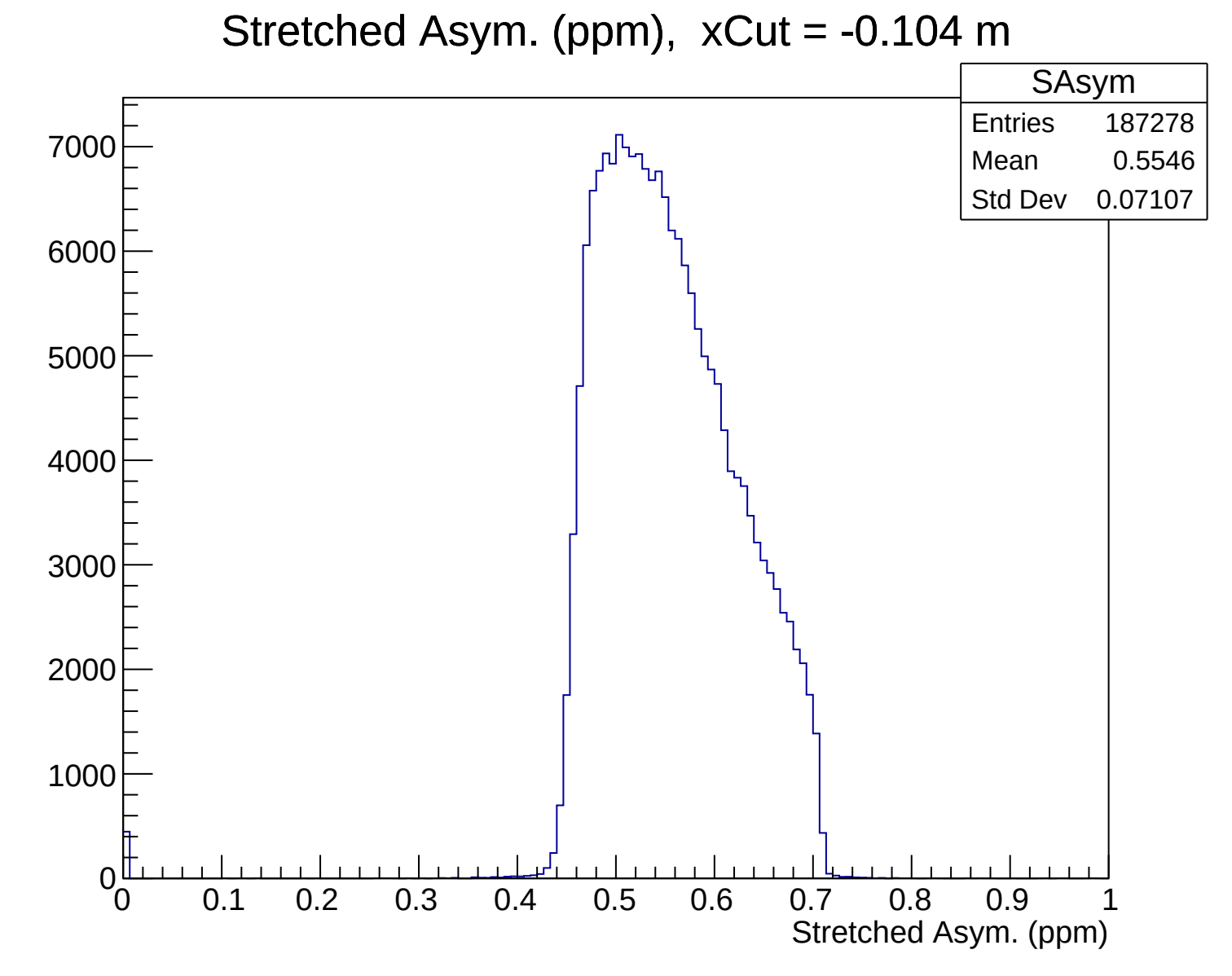

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

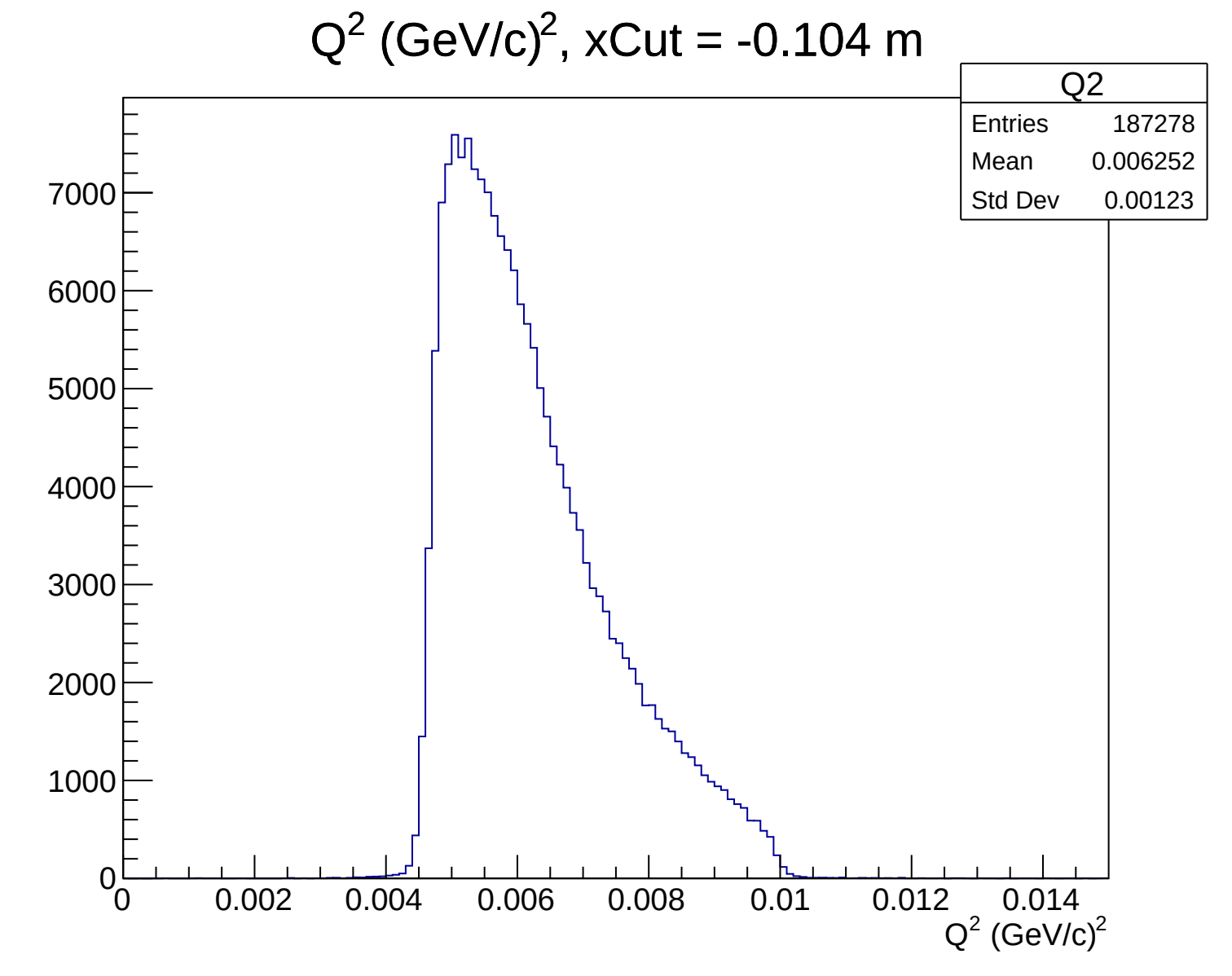

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

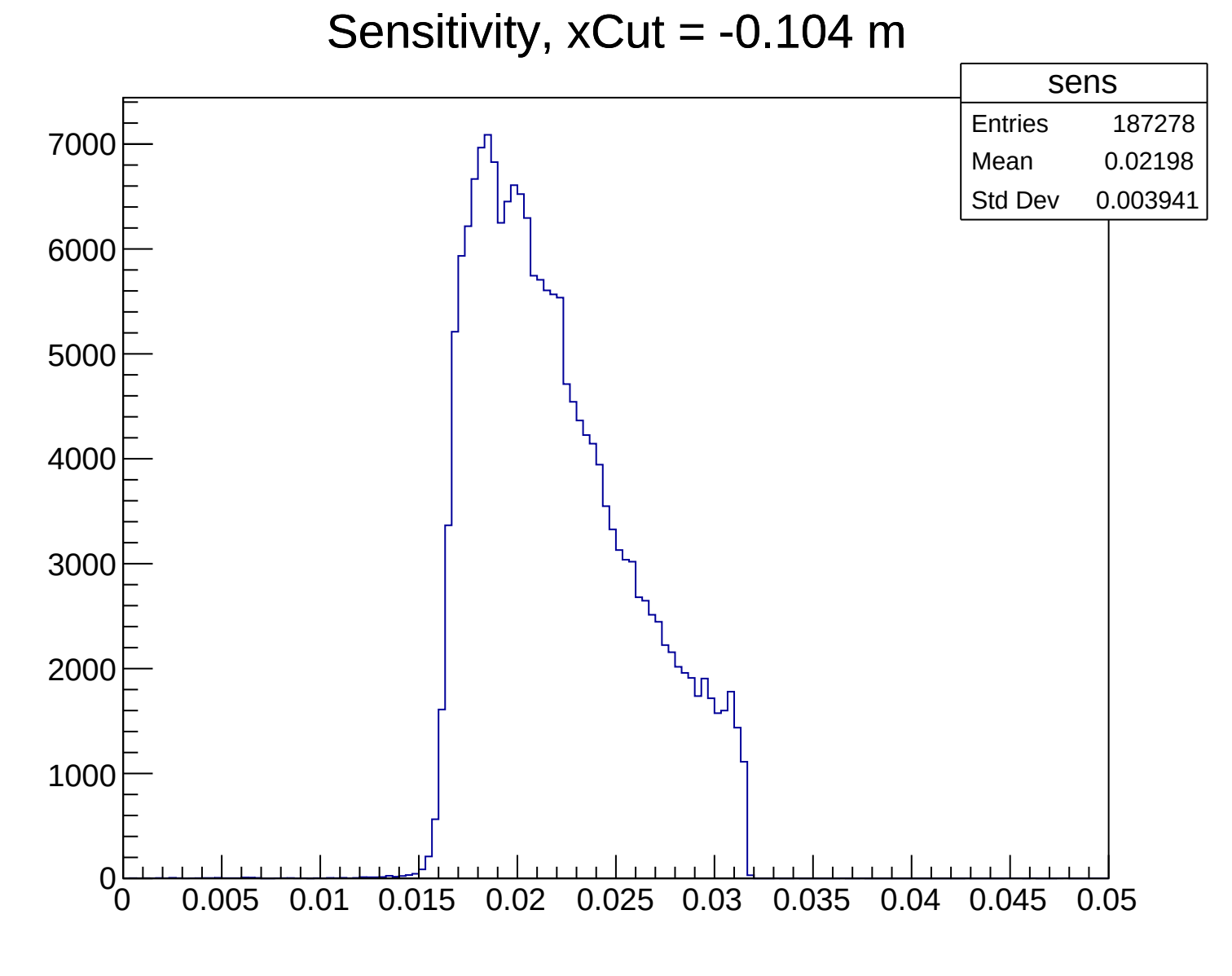

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

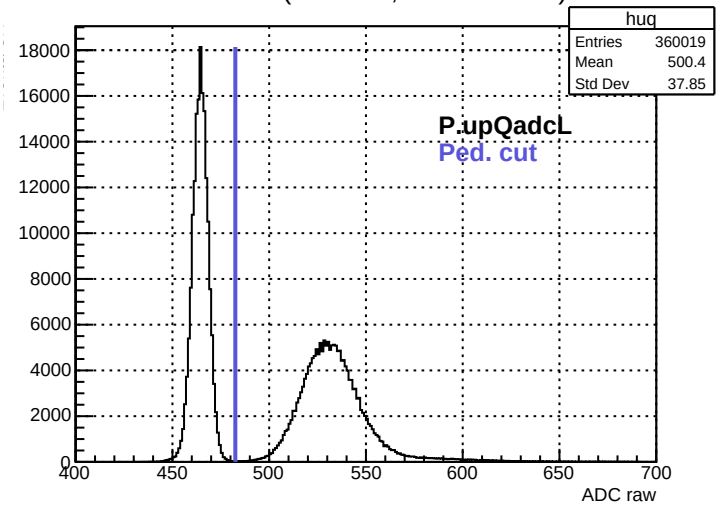

θlab (deg), xCut = -0.104 m
Theta
Entries 187278
Mean 4.759
Std Dev 0.4562
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

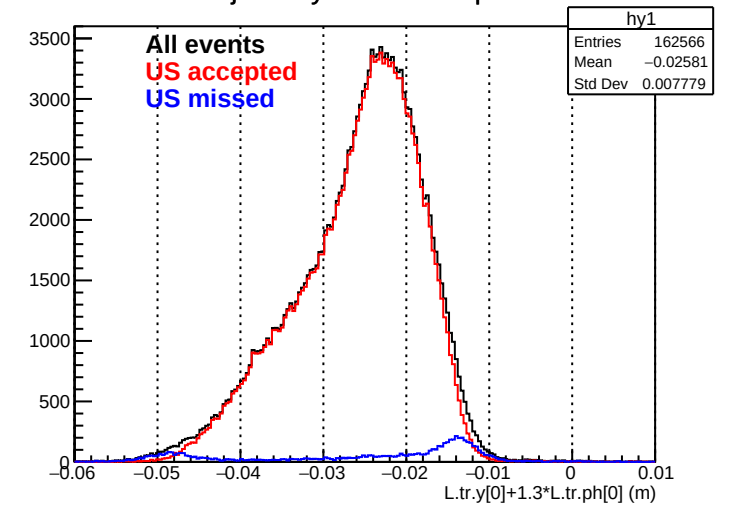

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 187278
Mean 0.5673
Std Dev 0.07488
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

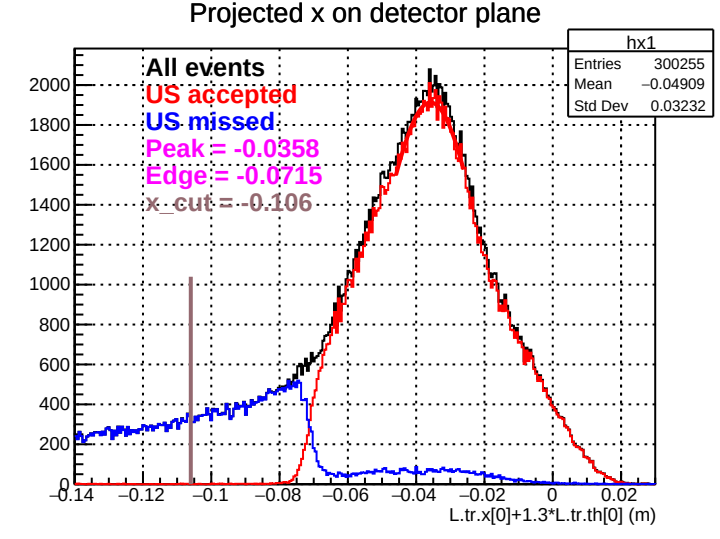

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 187278
Mean 0.5546
Std Dev 0.07107
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

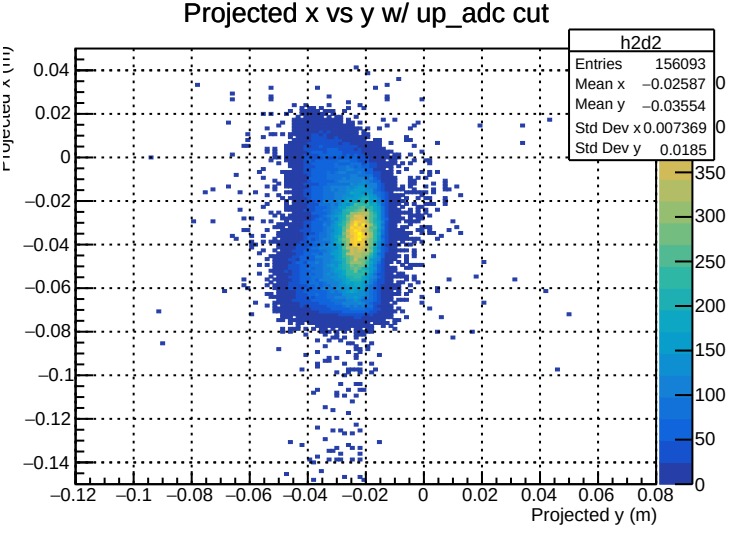

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 187278
Mean 0.006252
Std Dev 0.00123
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

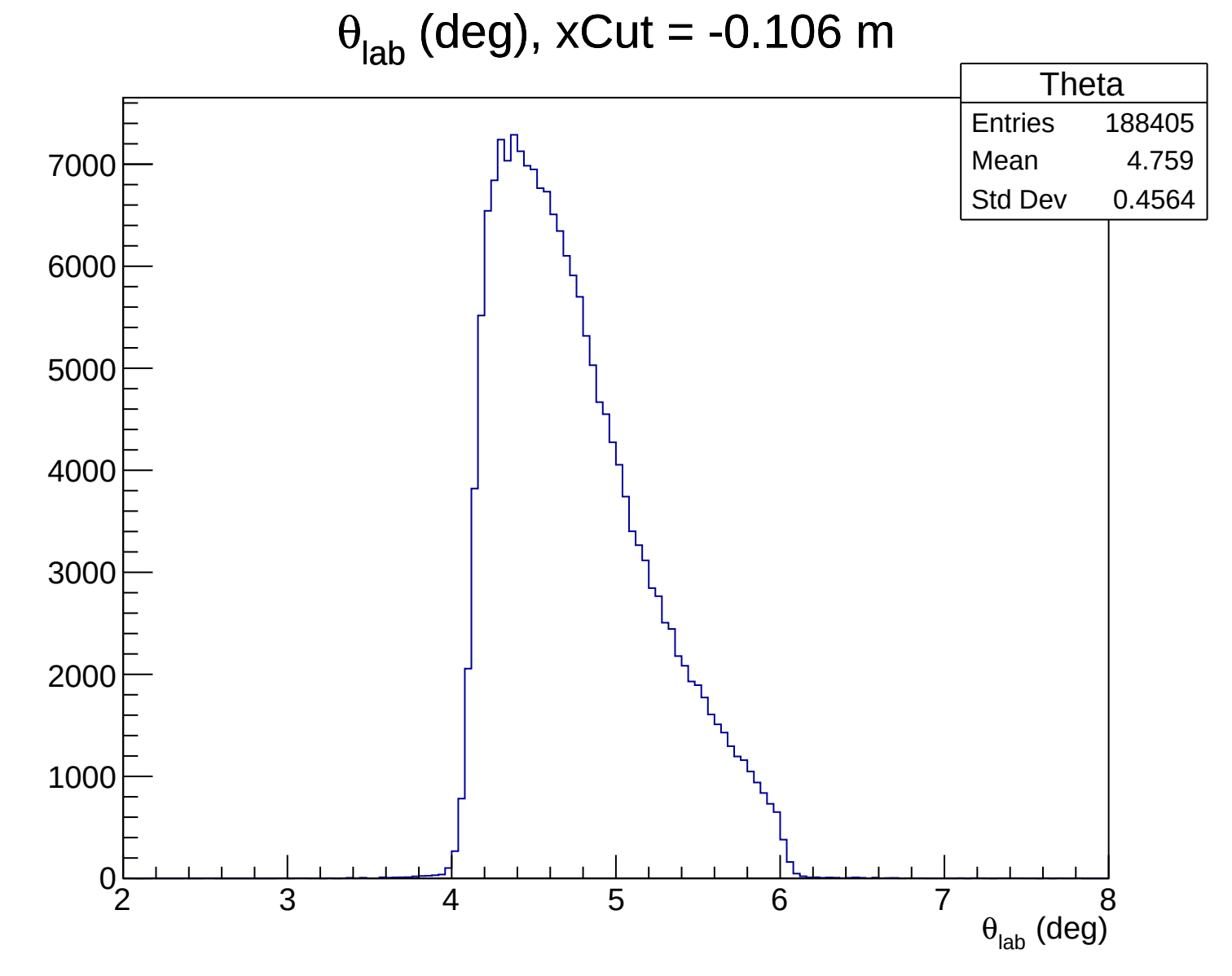

Sensitivity, xCut = -0.104 m
sens
Entries 187278
Mean 0.02198
Std Dev 0.003941
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

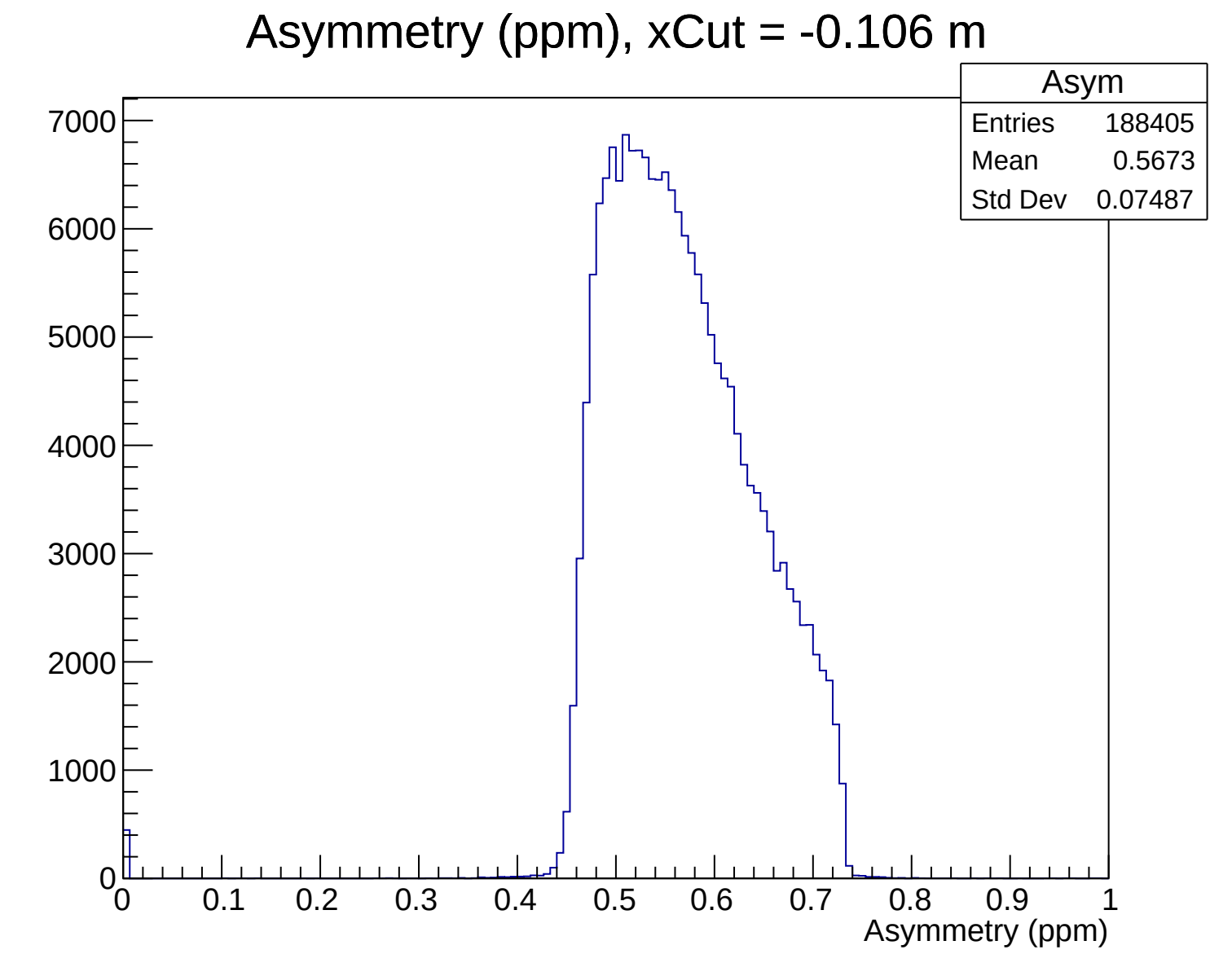

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

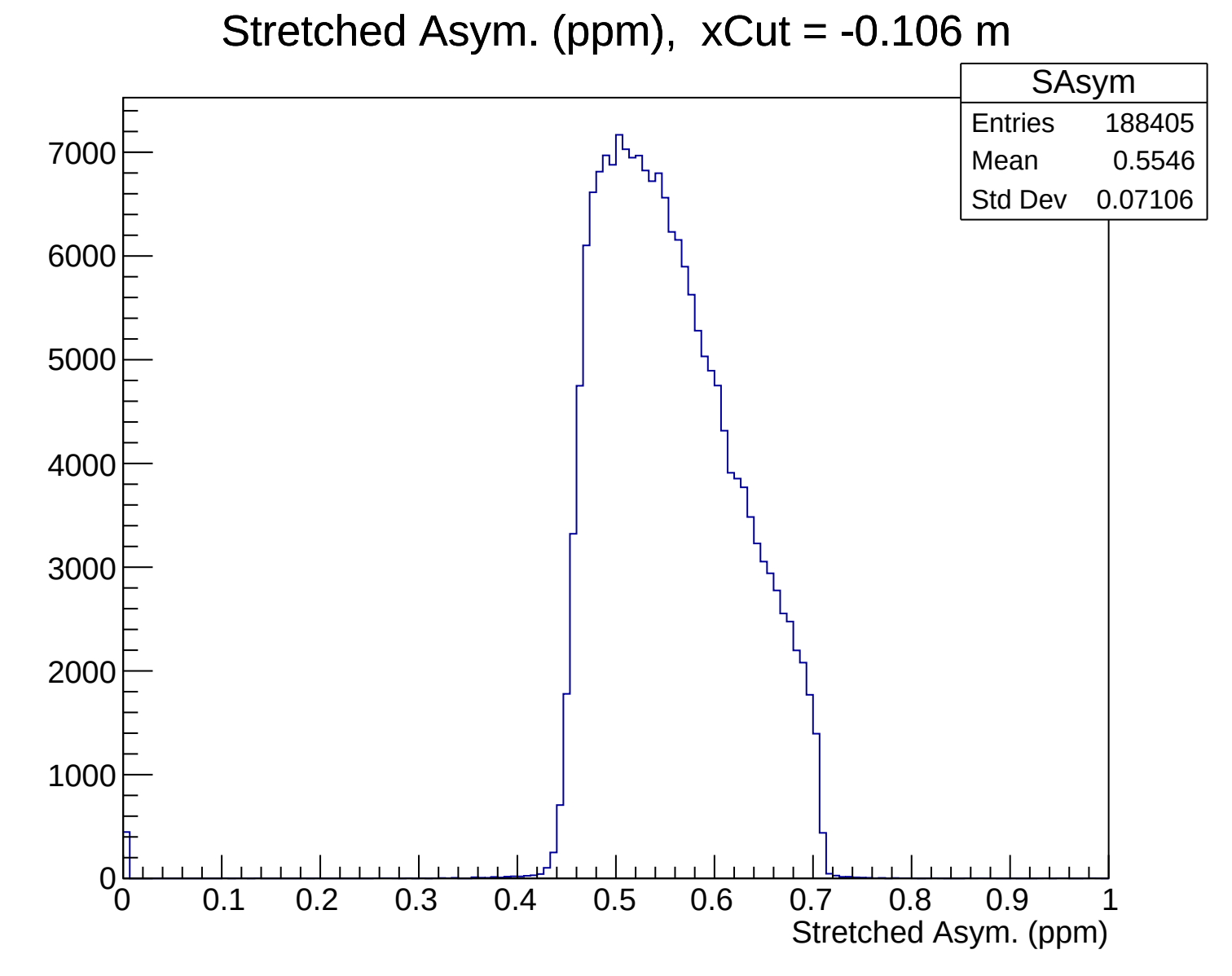

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

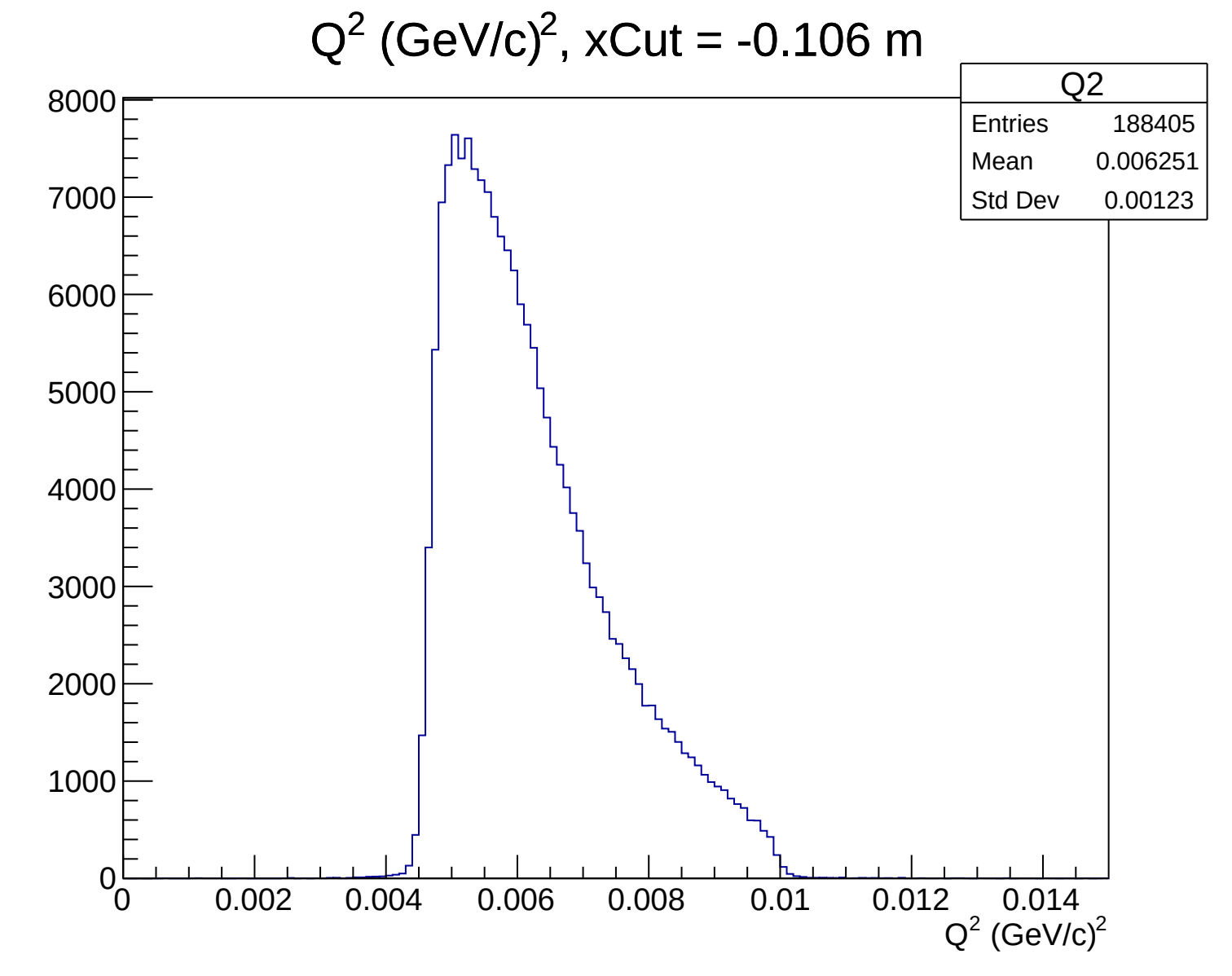

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.106
L.tr.x[0]+1.3*L.tr.th[0] (m)

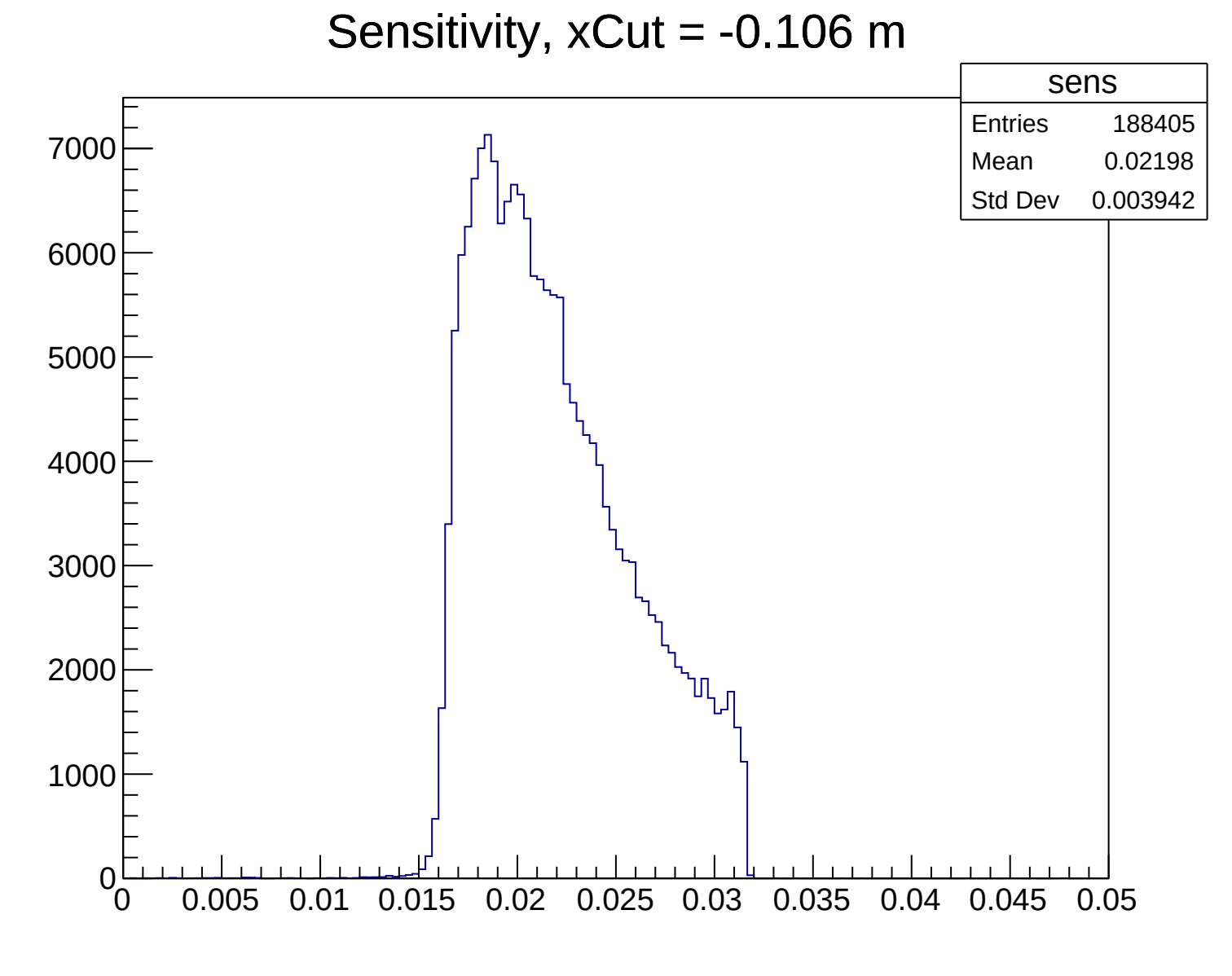

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

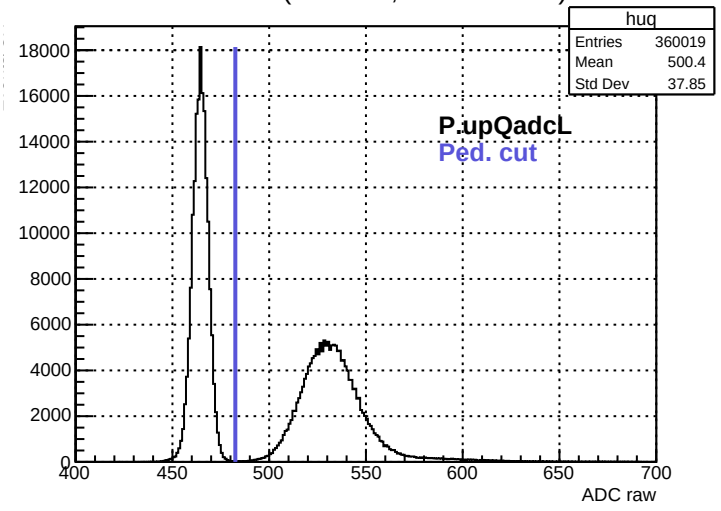

θlab (deg), xCut = -0.106 m
Theta
Entries 188405
Mean 4.759
Std Dev 0.4564
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

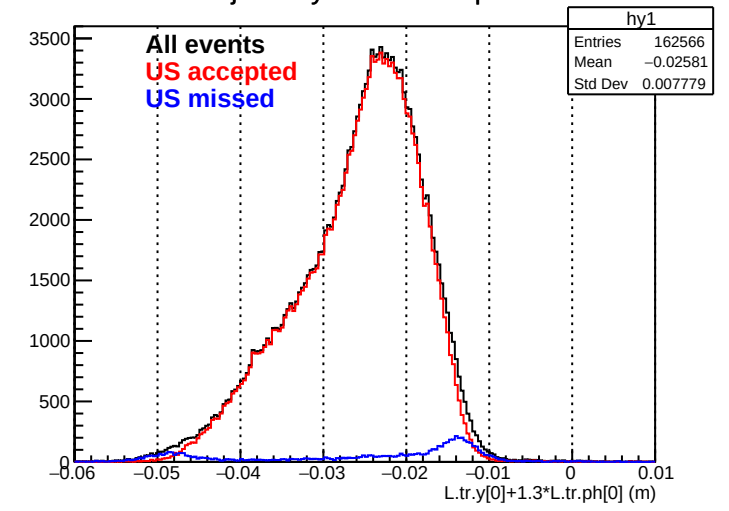

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 188405
Mean 0.5673
Std Dev 0.07487
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

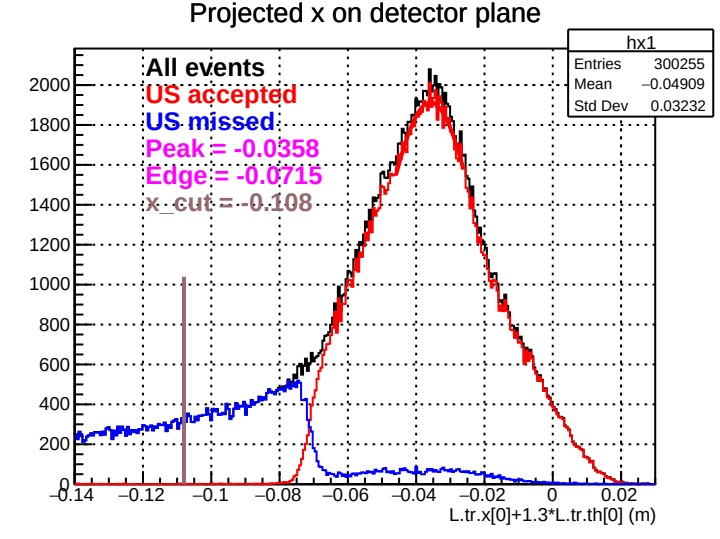

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 188405
Mean 0.5546
Std Dev 0.07106
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

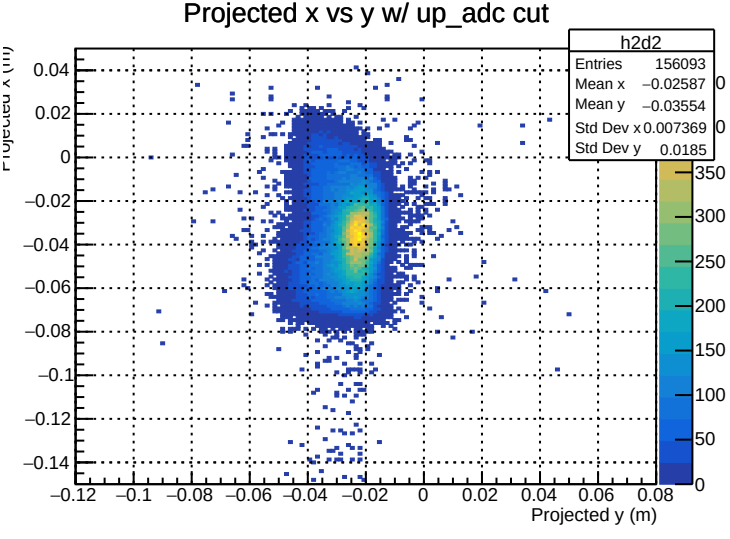

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 188405
Mean 0.006251
Std Dev 0.00123
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

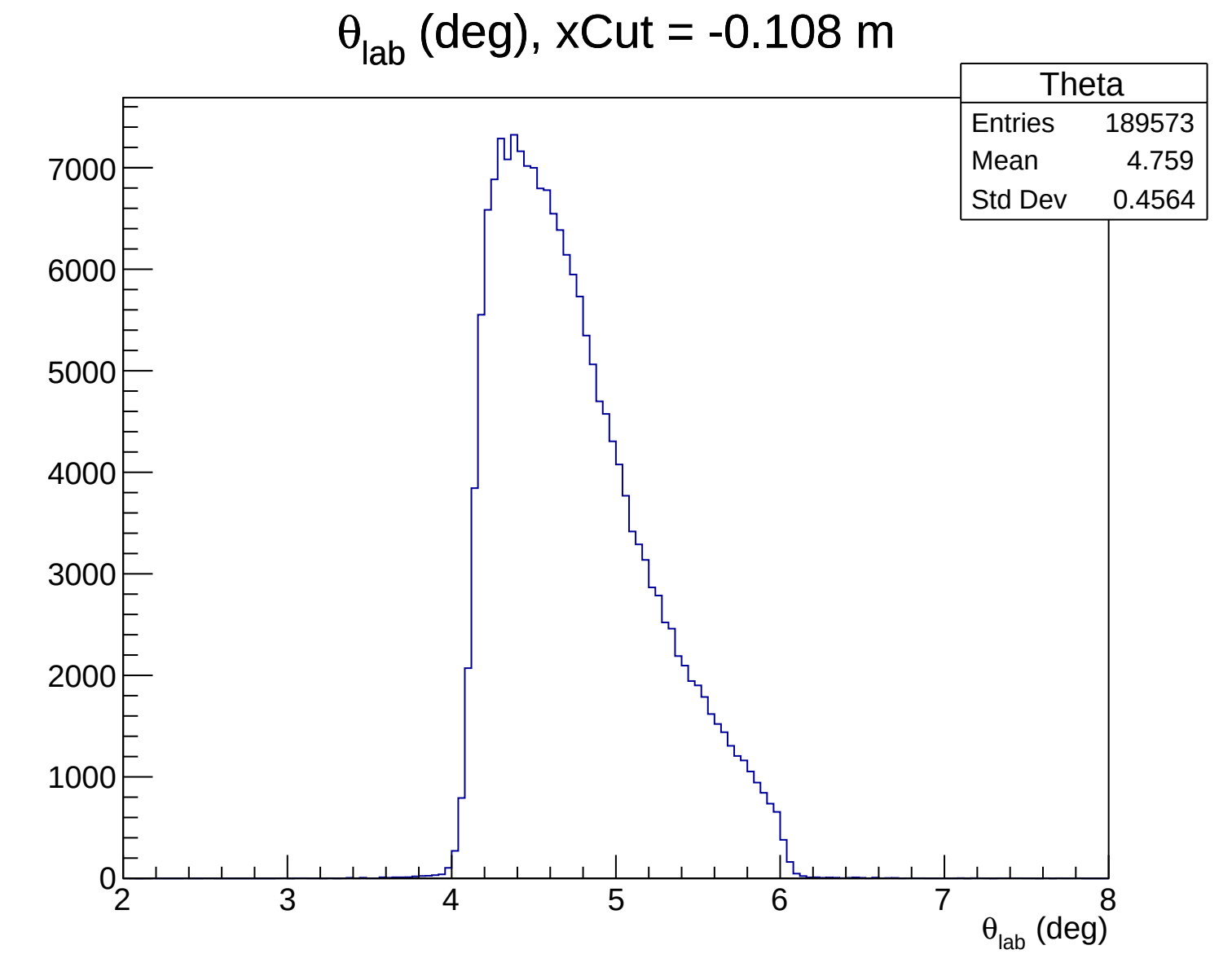

Sensitivity, xCut = -0.106 m
sens
Entries 188405
Mean 0.02198
Std Dev 0.003942
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

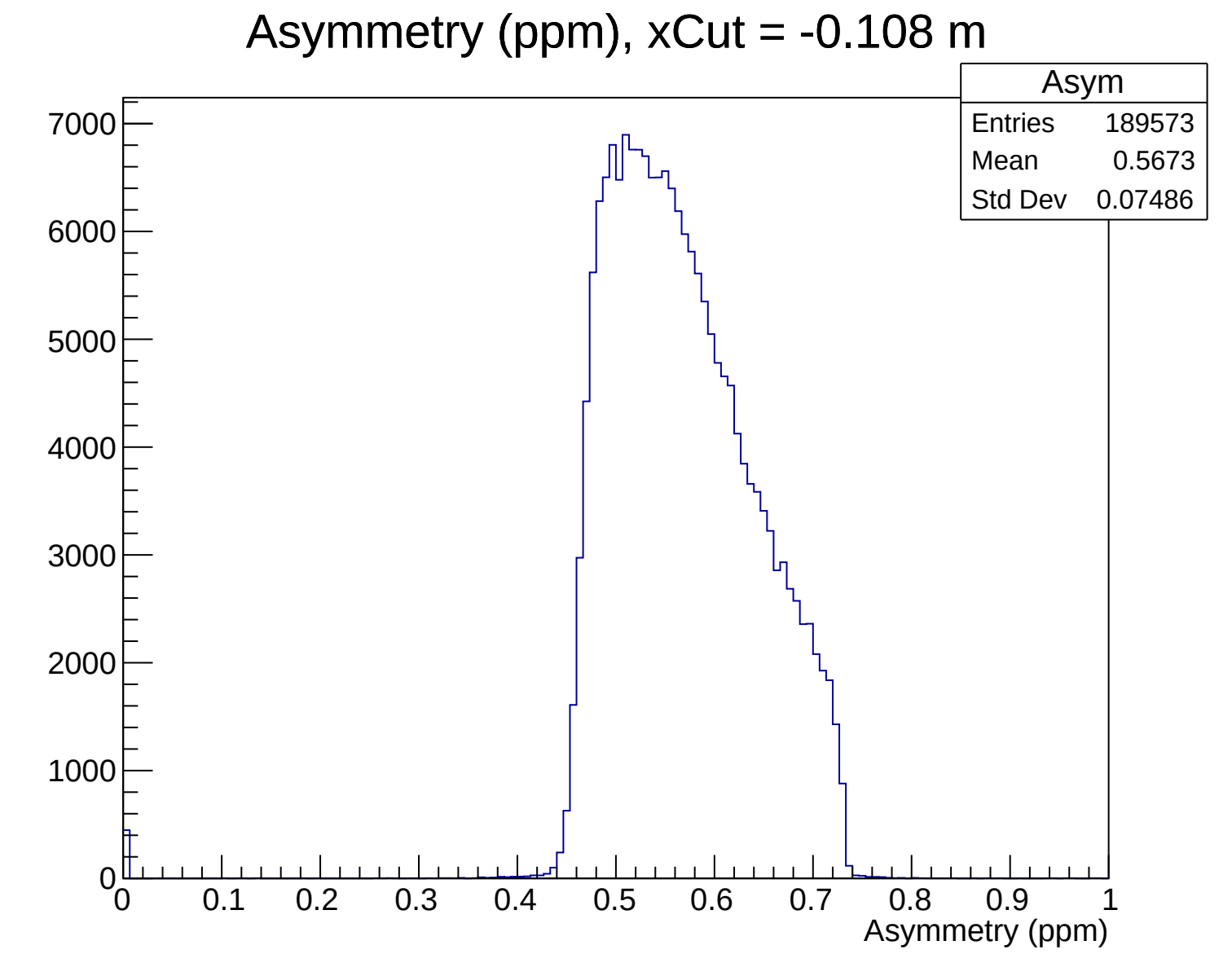

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

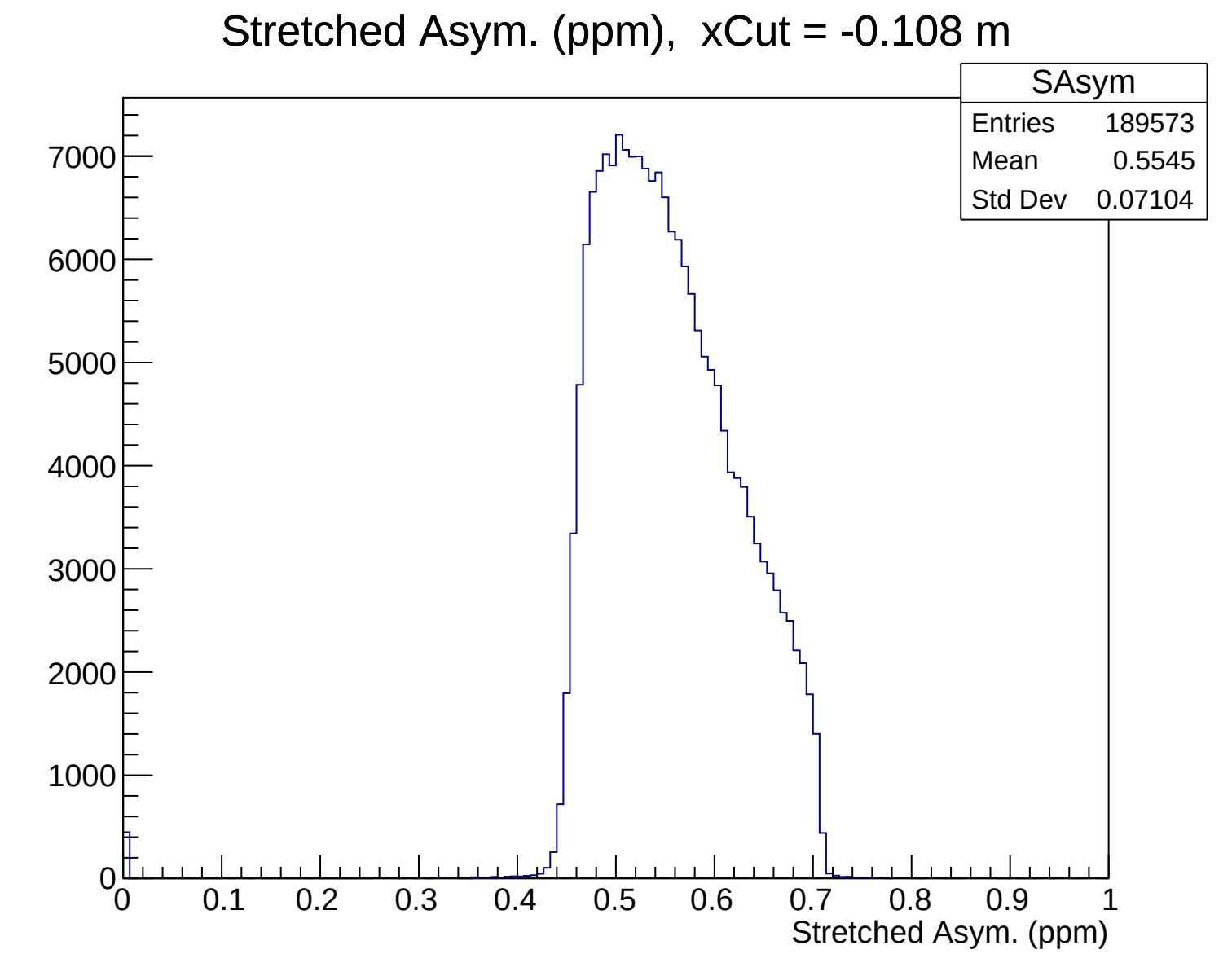

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

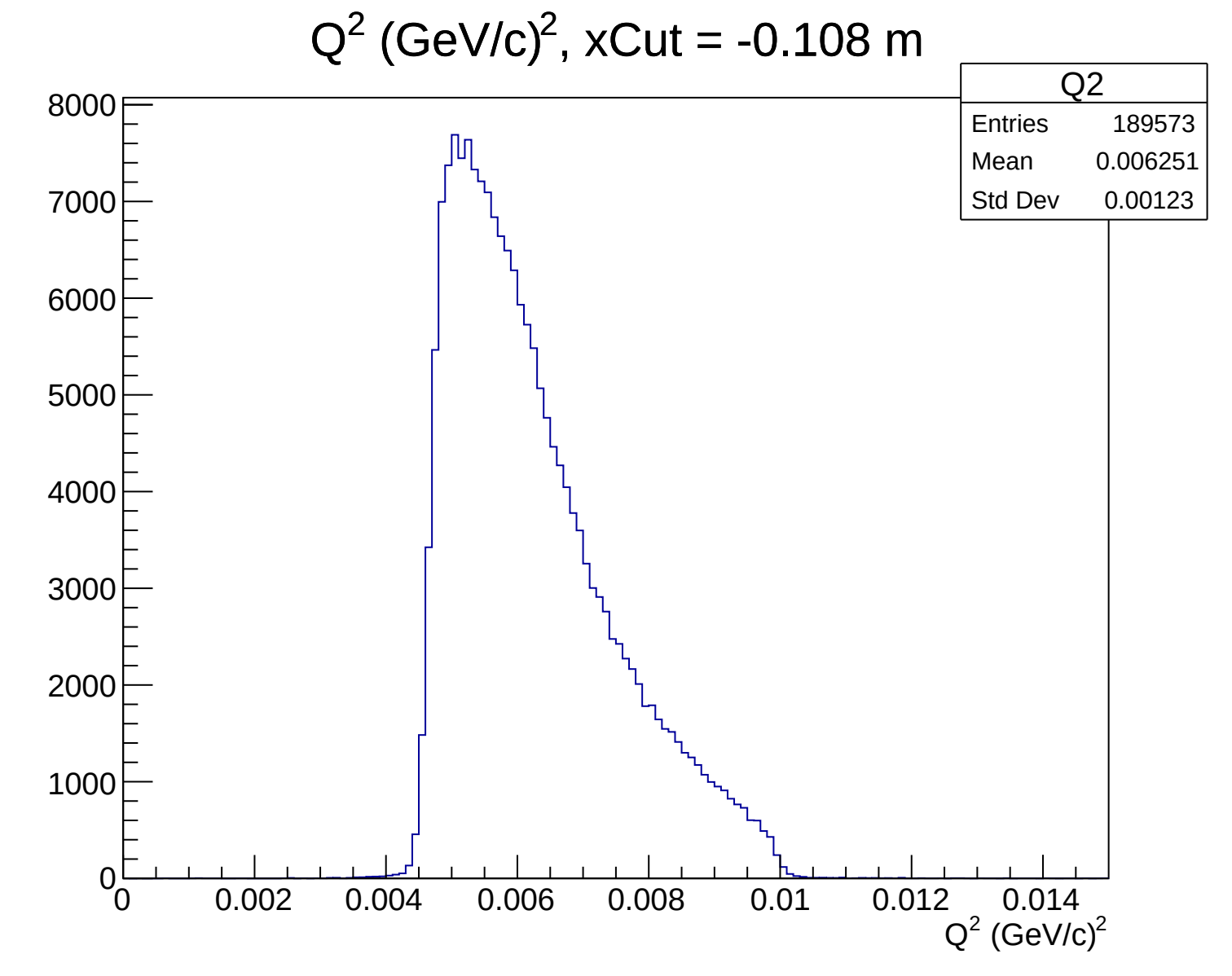

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.108
L.tr.x[0]+1.3*L.tr.th[0] (m)

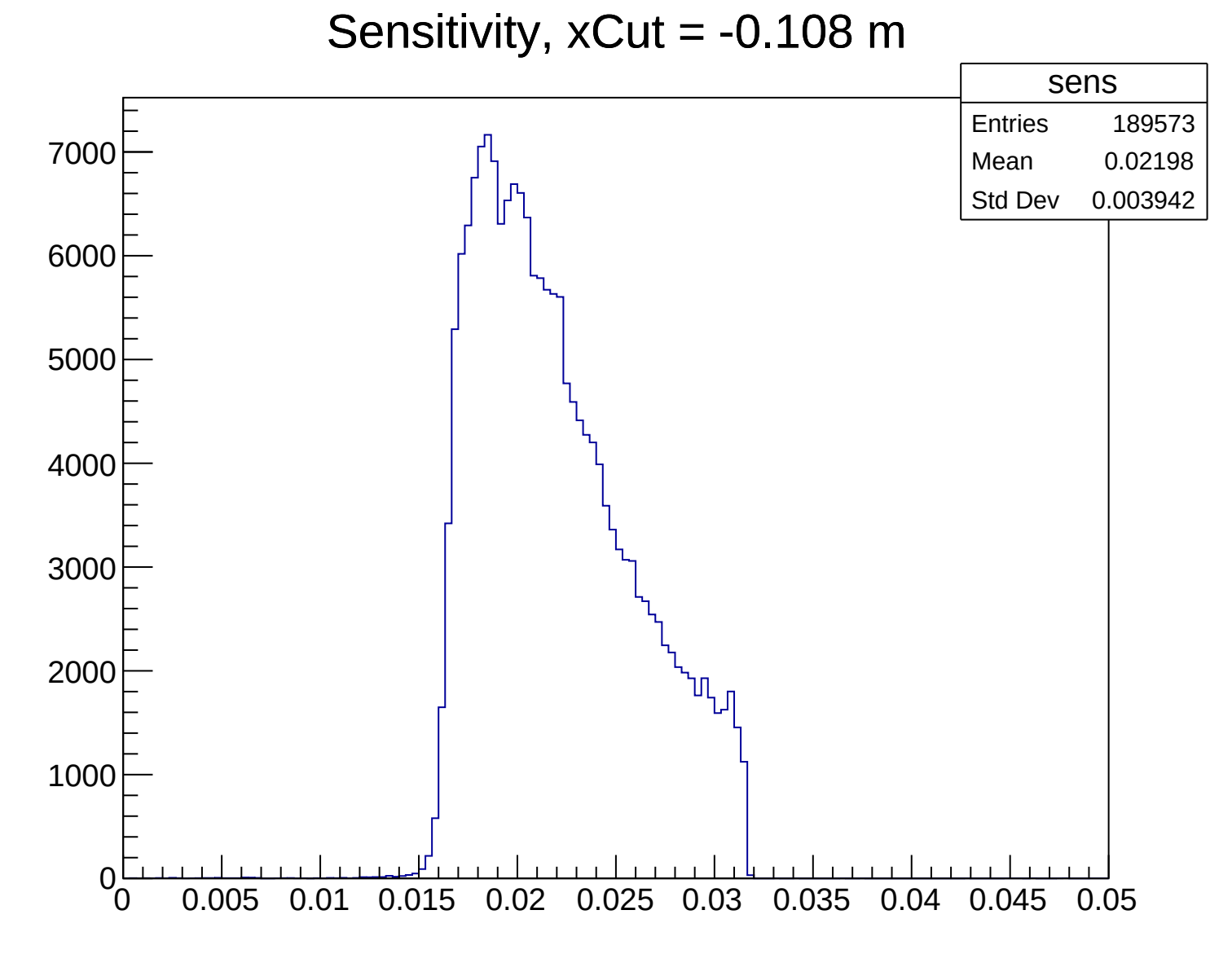

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

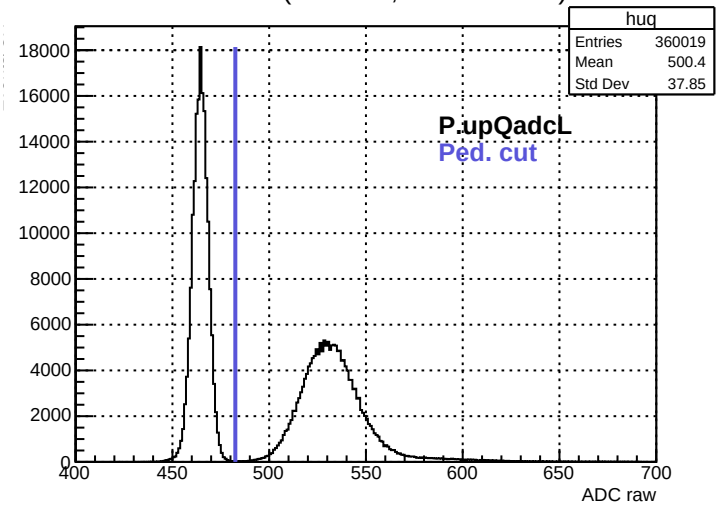

θlab (deg), xCut = -0.108 m
Theta
Entries 189573
Mean 4.759
Std Dev 0.4564
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

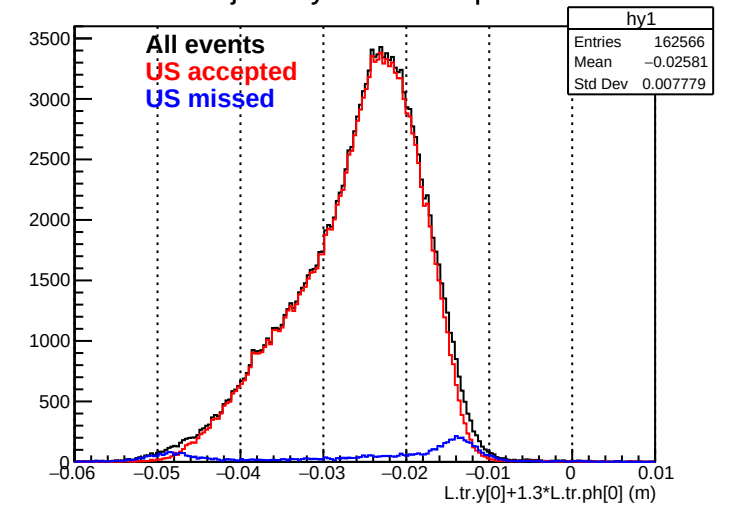

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 189573
Mean 0.5673
Std Dev 0.07486
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

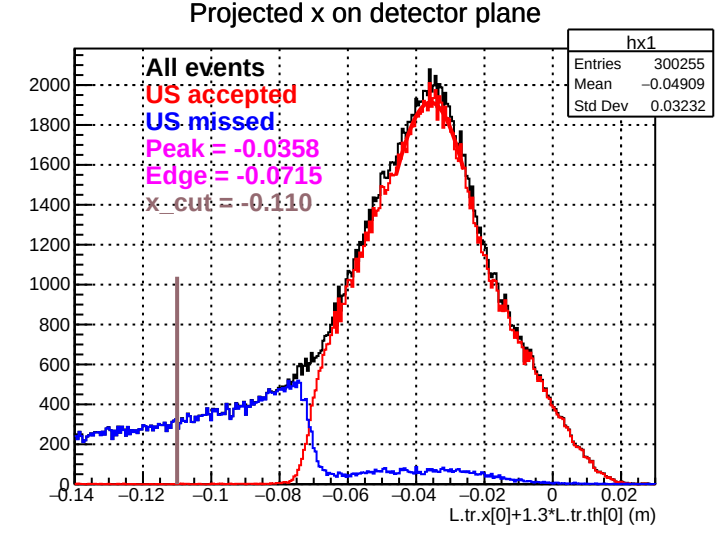

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 189573
Mean 0.5545
Std Dev 0.07104
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

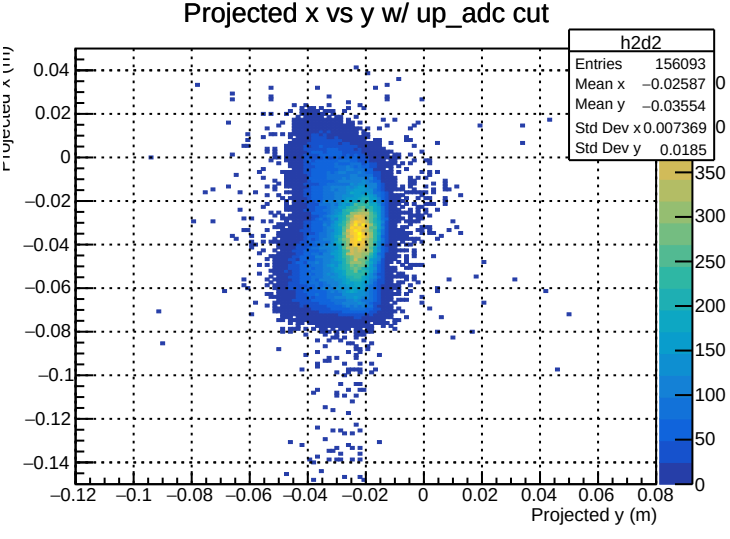

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 189573
Mean 0.006251
Std Dev 0.00123
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

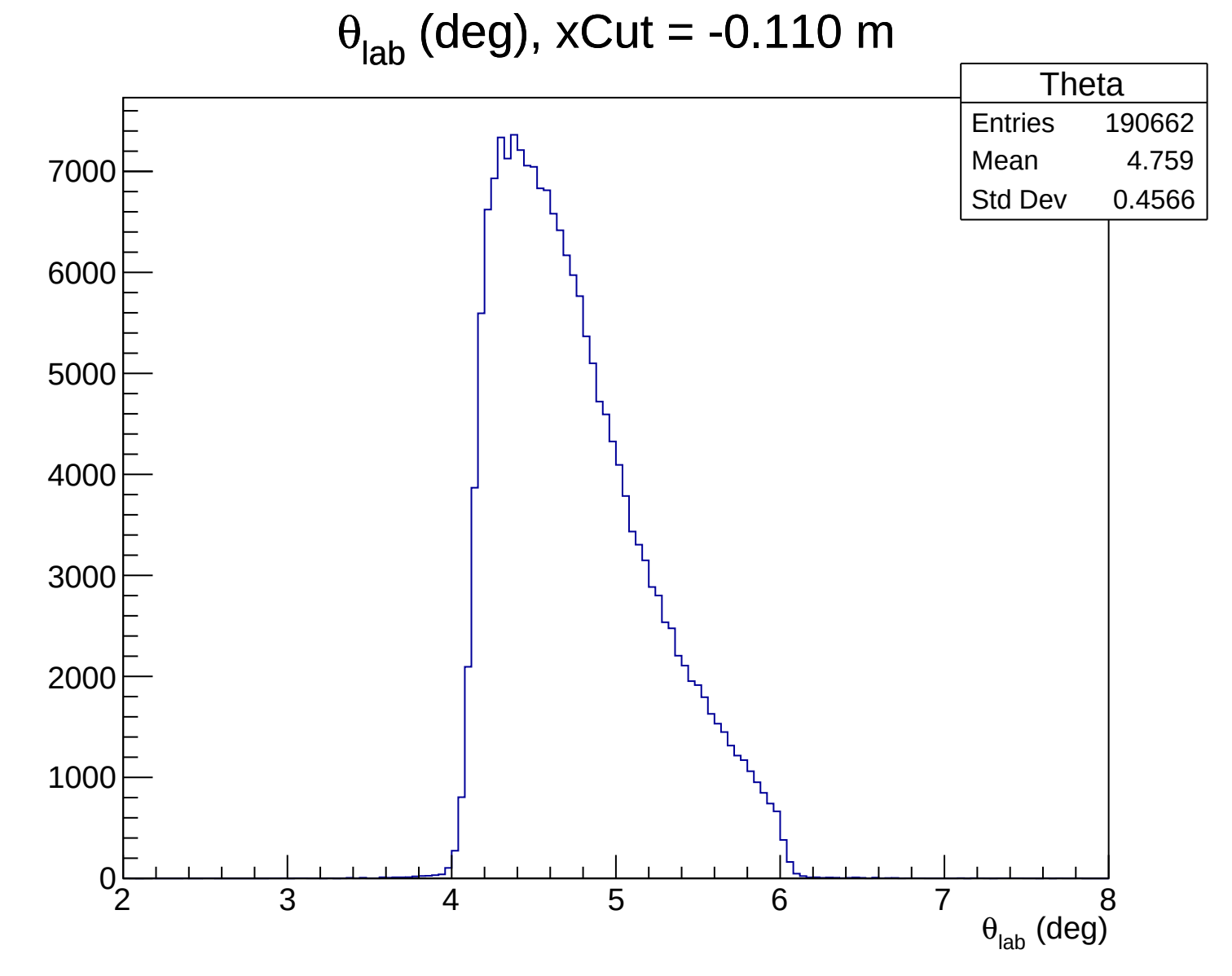

Sensitivity, xCut = -0.108 m
sens
Entries 189573
Mean 0.02198
Std Dev 0.003942
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

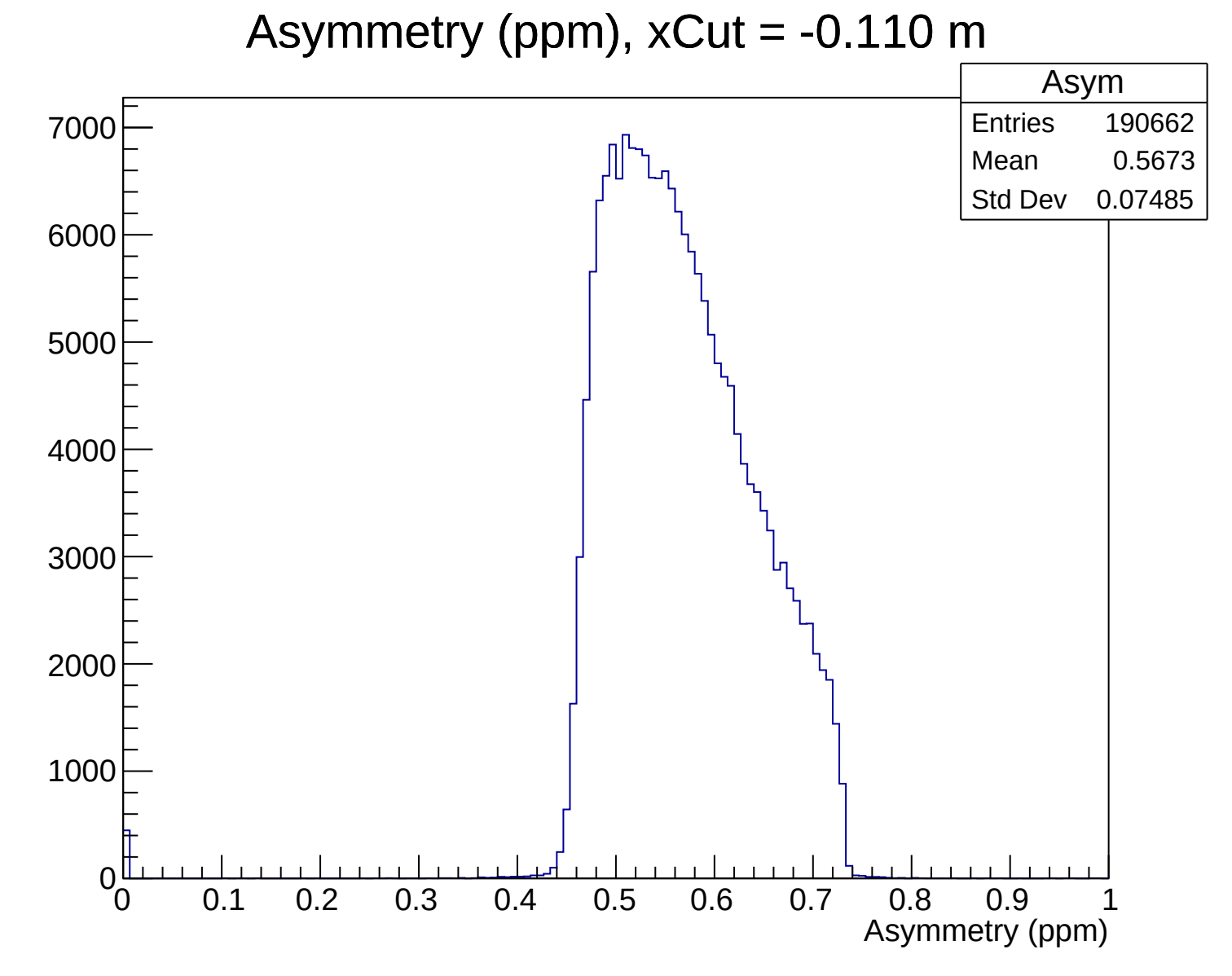

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

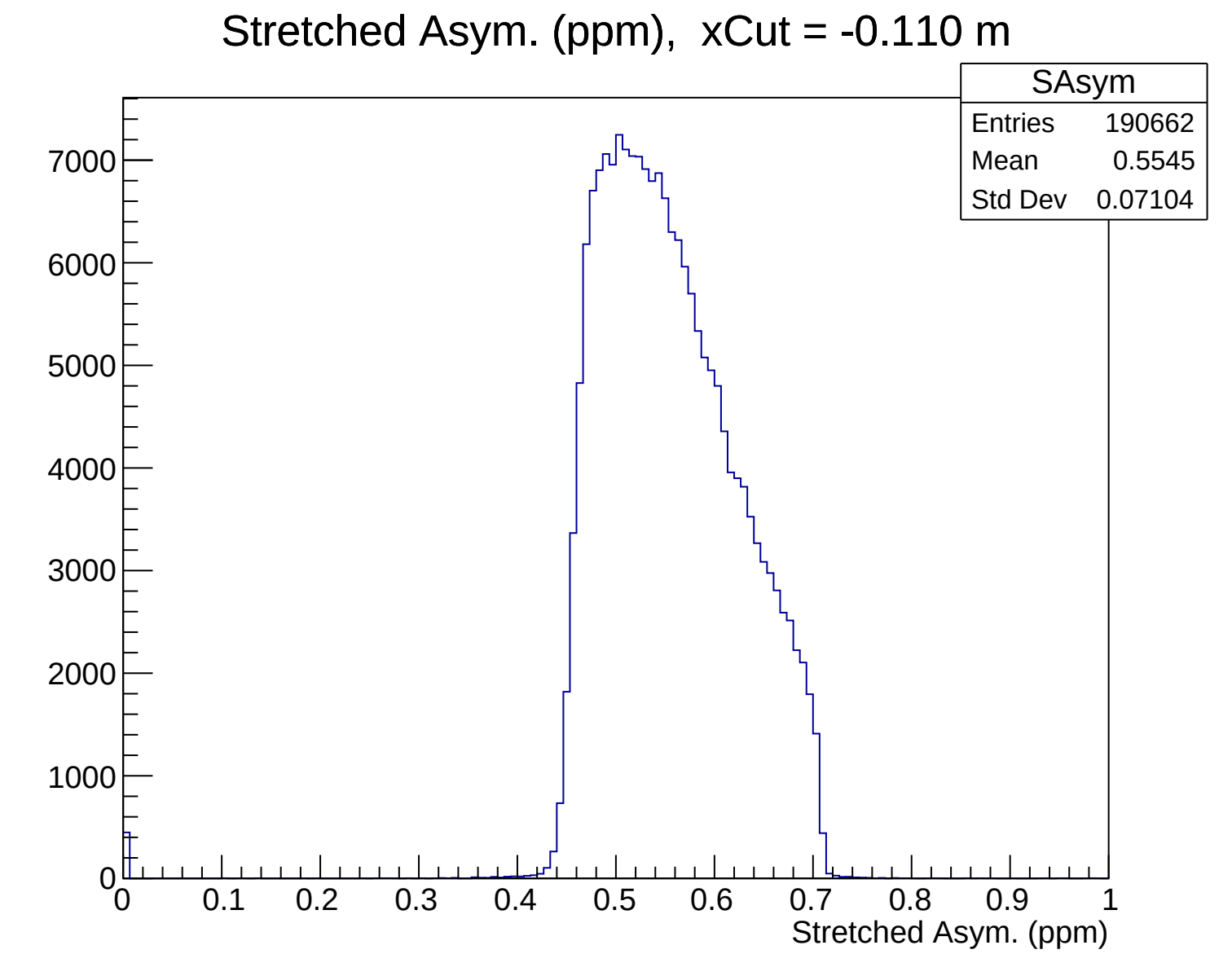

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

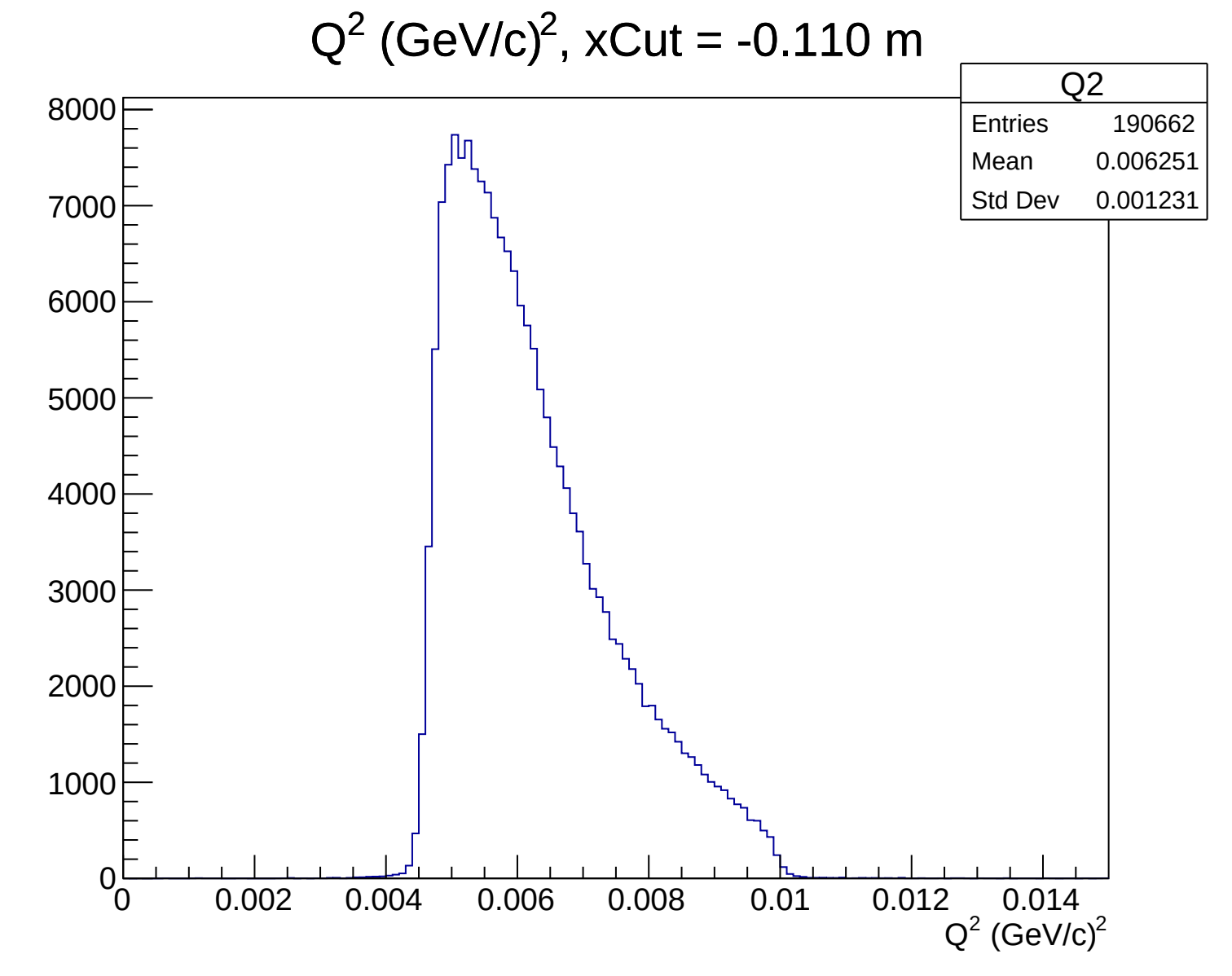

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.110
L.tr.x[0]+1.3*L.tr.th[0] (m)

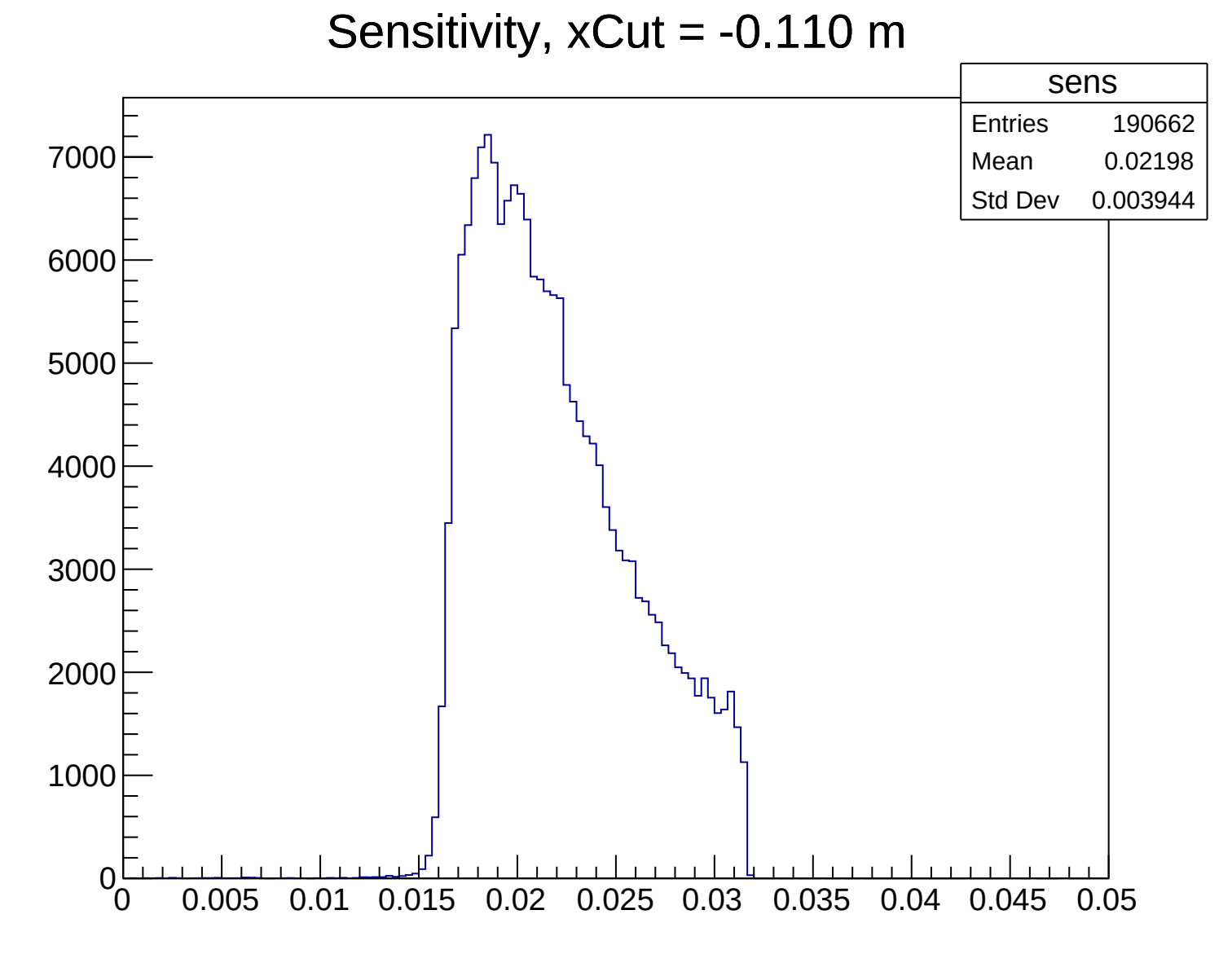

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

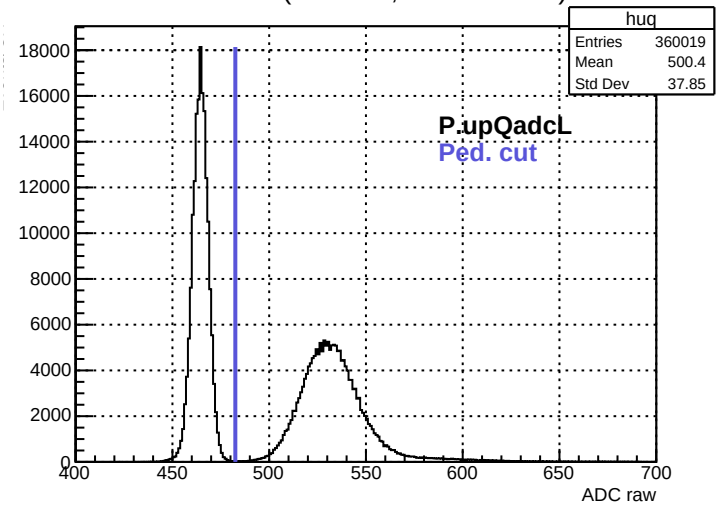

θlab (deg), xCut = -0.110 m
Theta
Entries 190662
Mean 4.759
Std Dev 0.4566
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

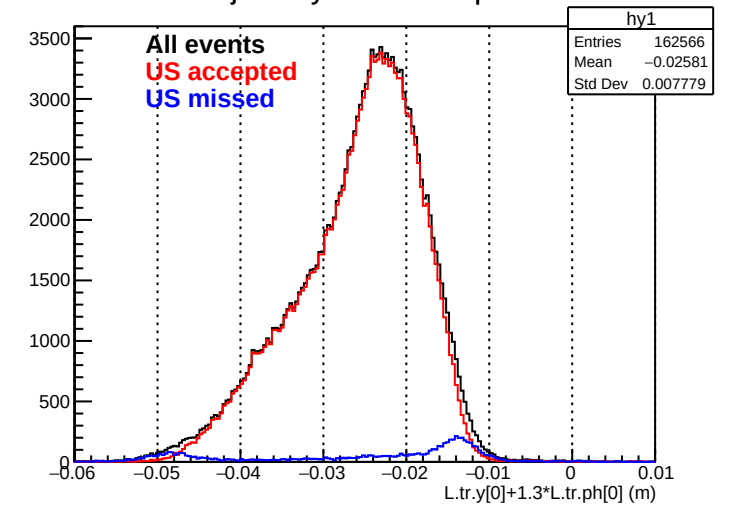

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 190662
Mean 0.5673
Std Dev 0.07485
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

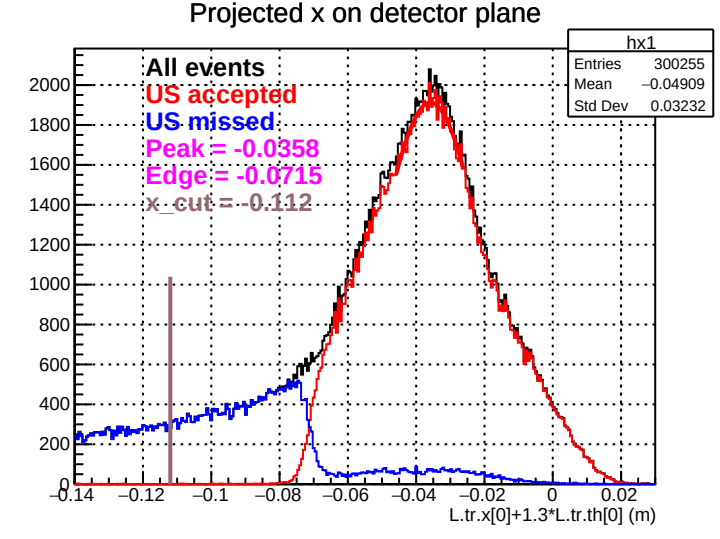

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 190662
Mean 0.5545
Std Dev 0.07104
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

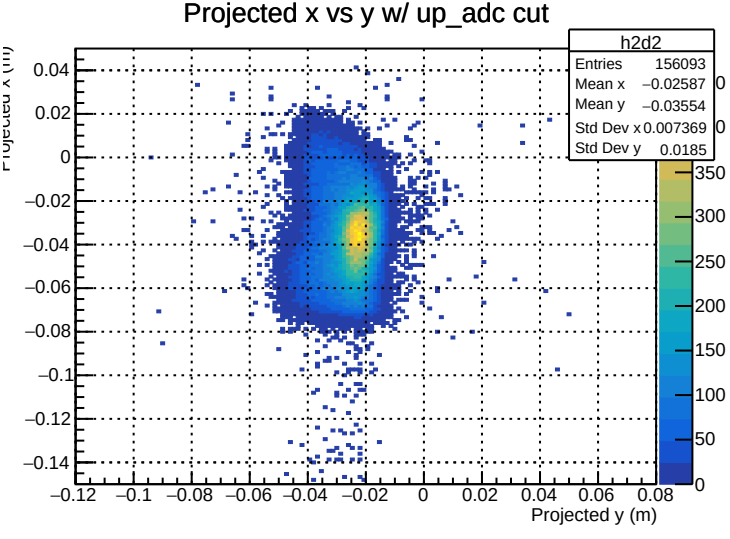

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 190662
Mean 0.006251
Std Dev 0.001231
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

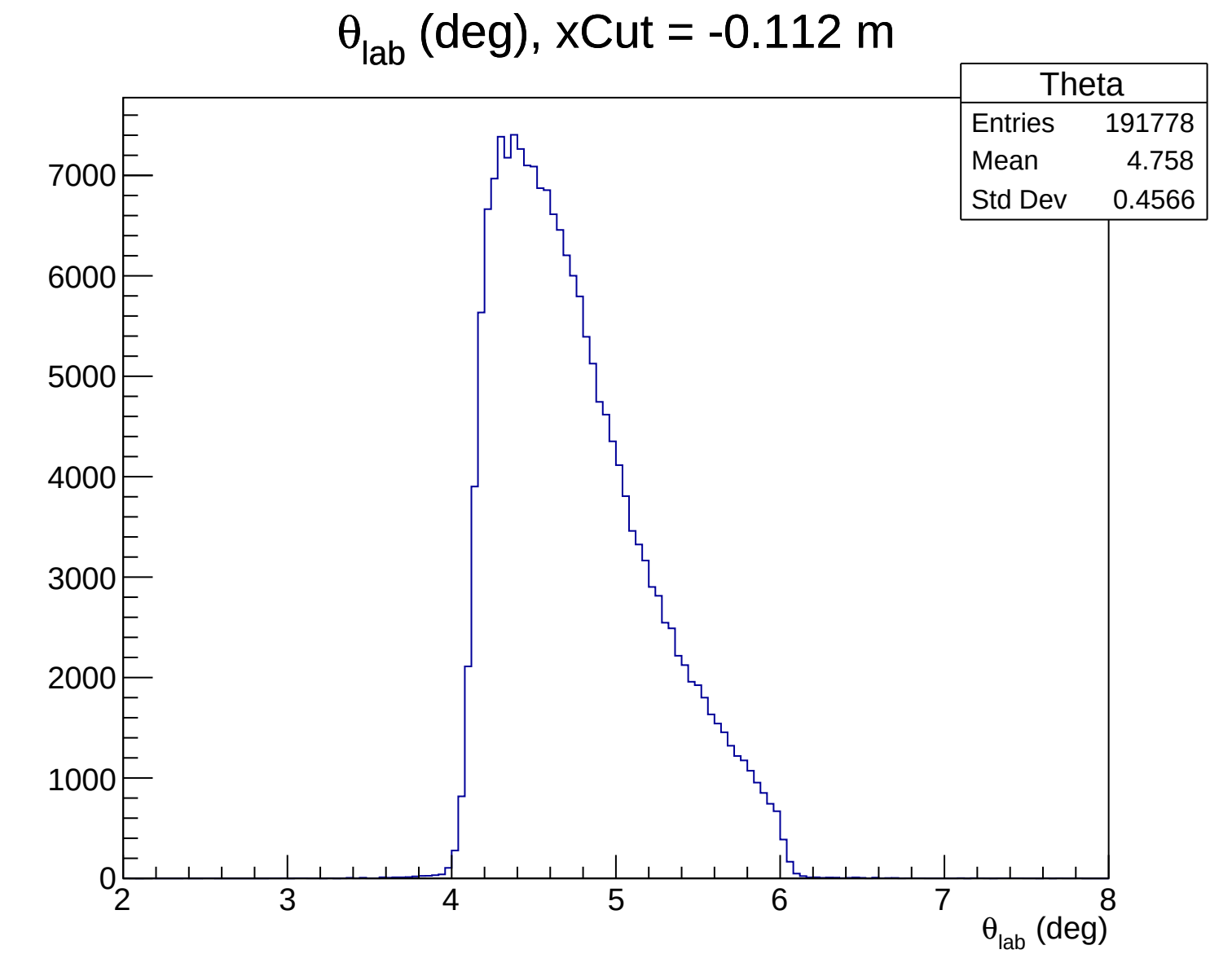

Sensitivity, xCut = -0.110 m
sens
Entries 190662
Mean 0.02198
Std Dev 0.003944
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

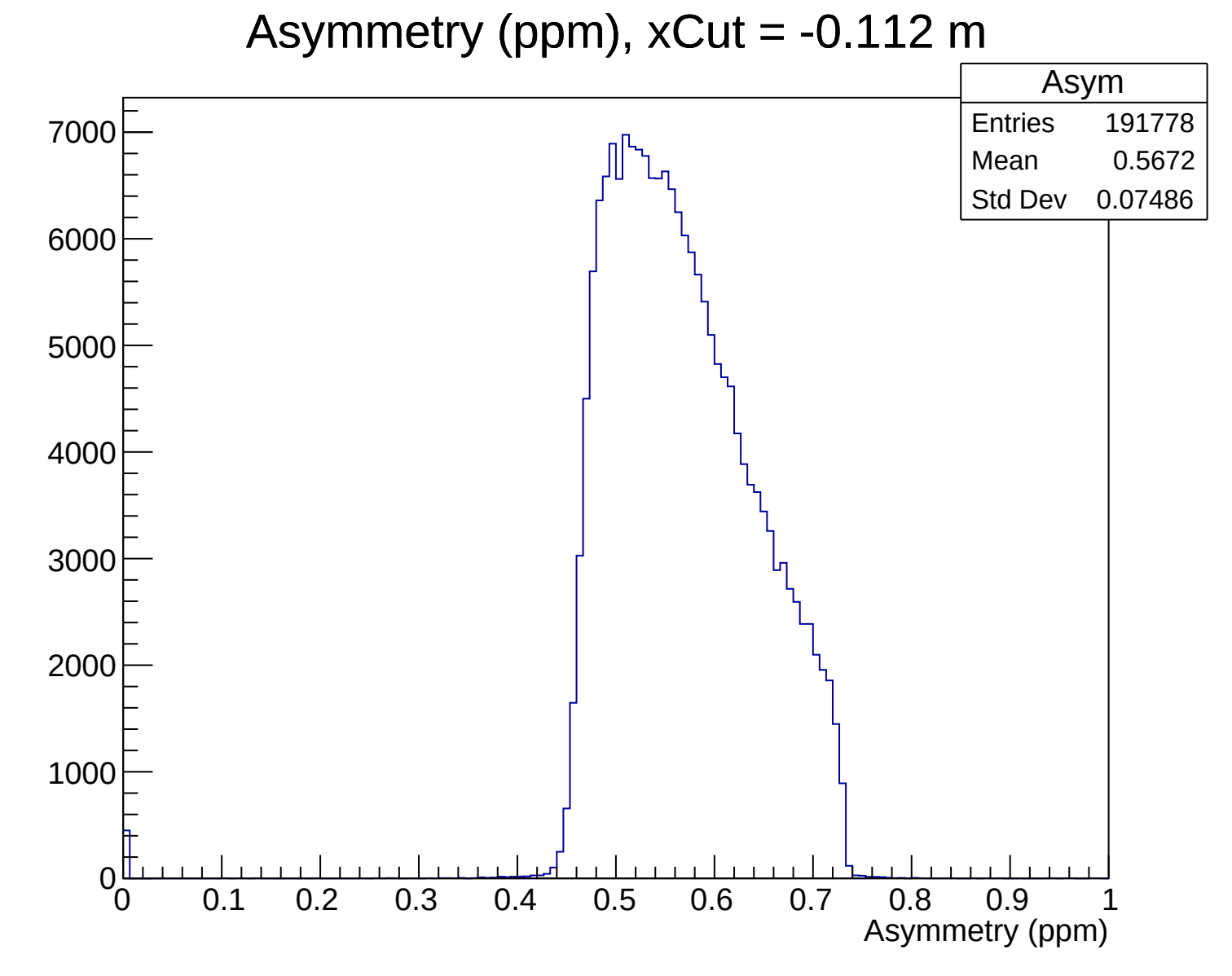

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

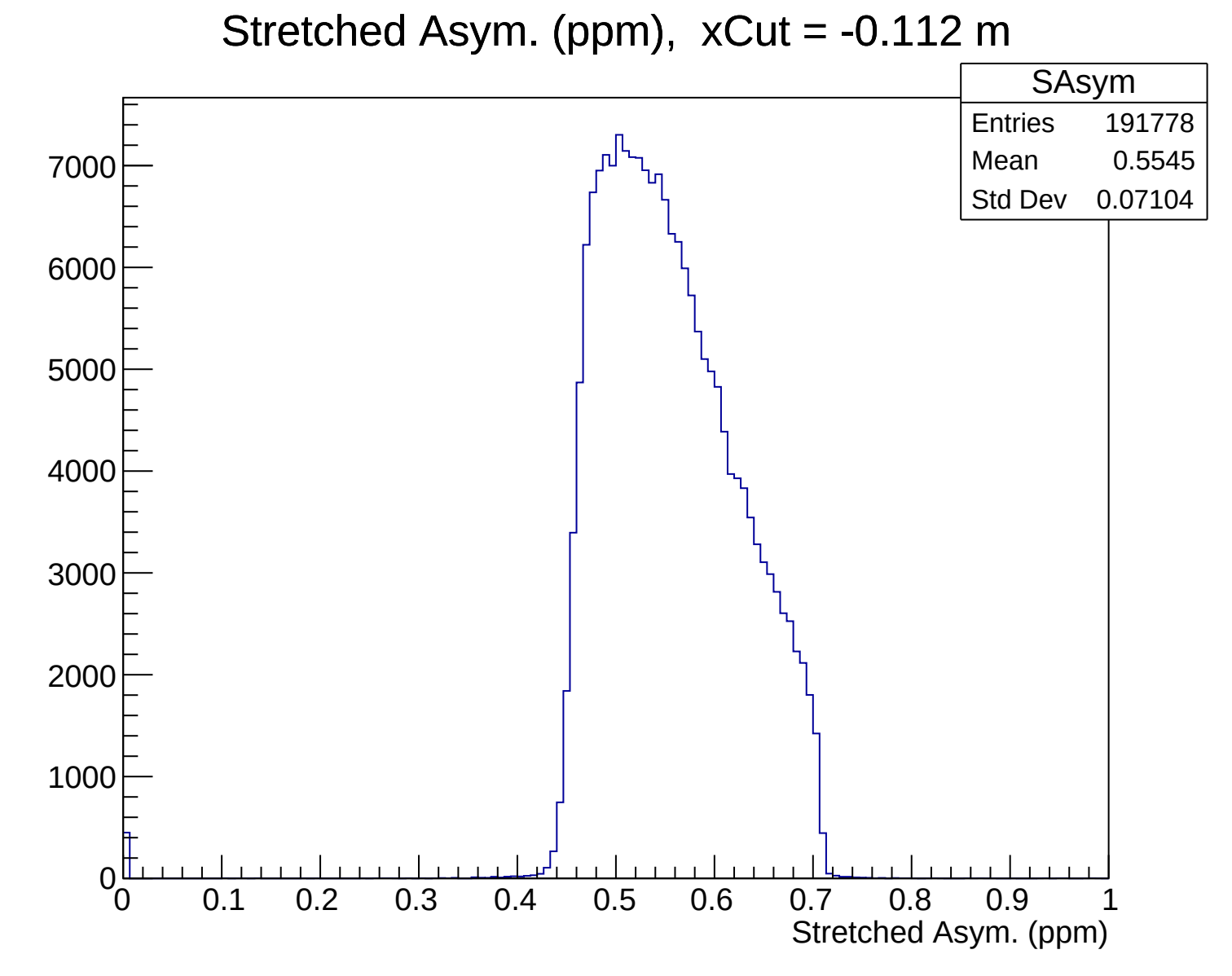

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

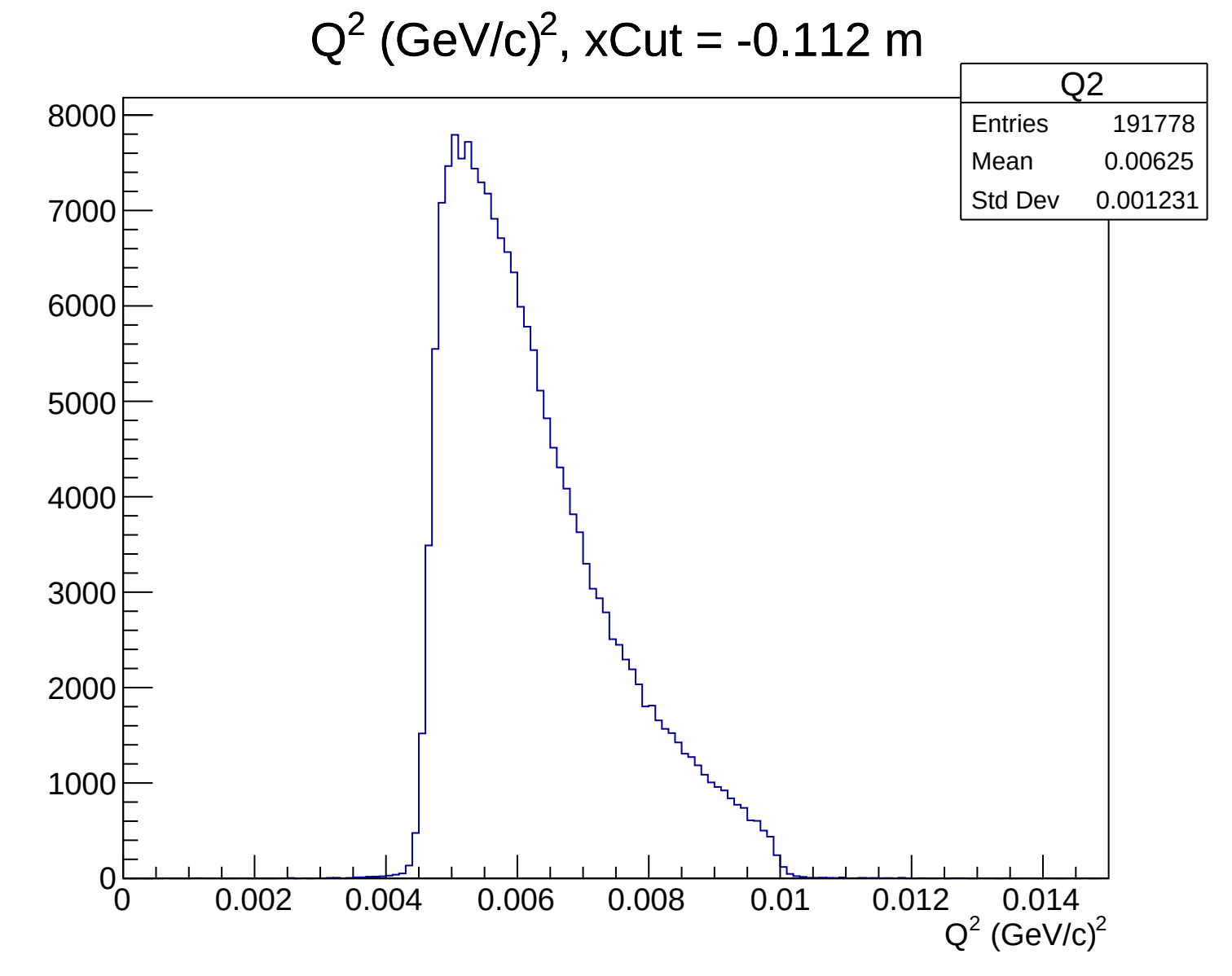

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.112
L.tr.x[0]+1.3*L.tr.th[0] (m)

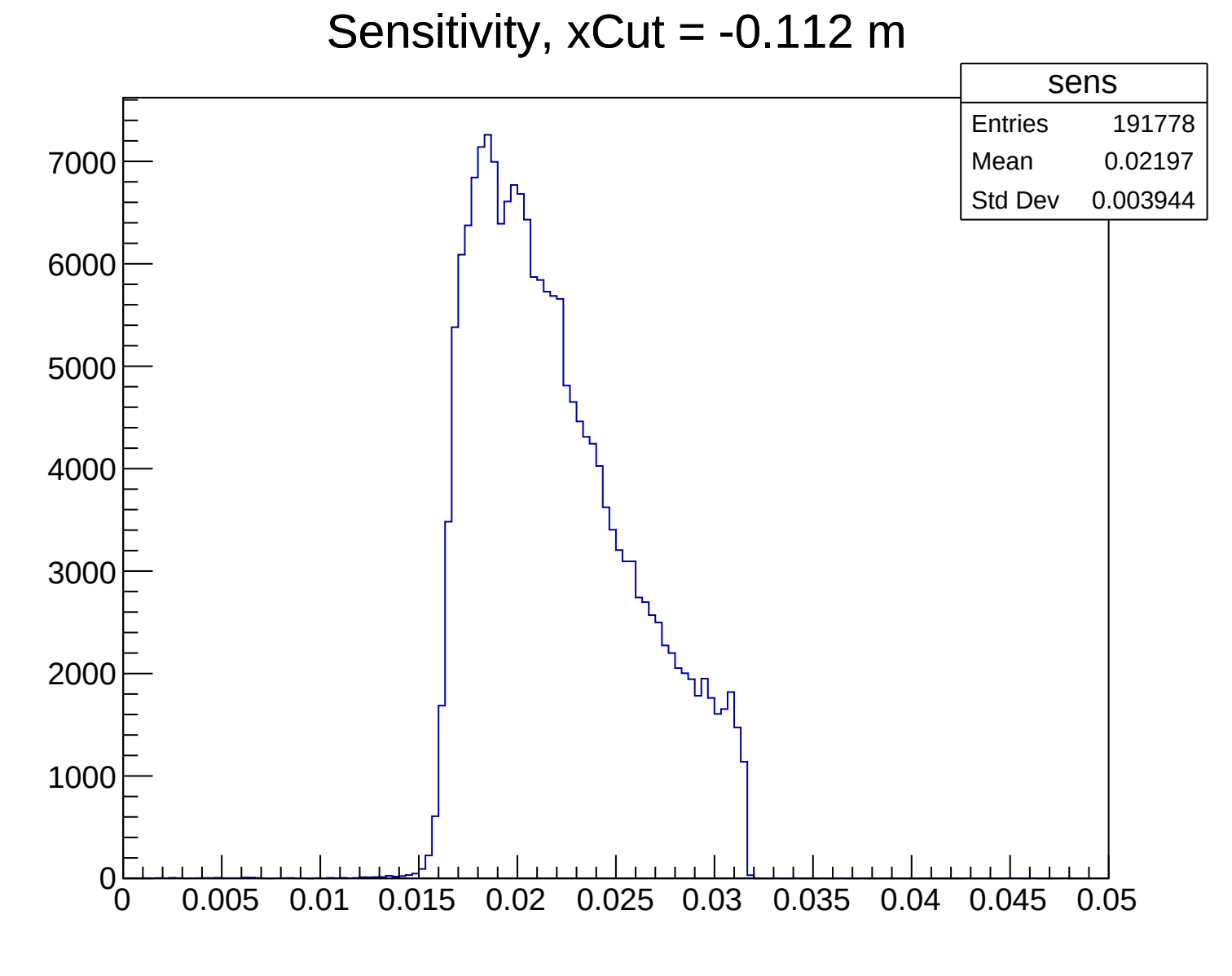

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

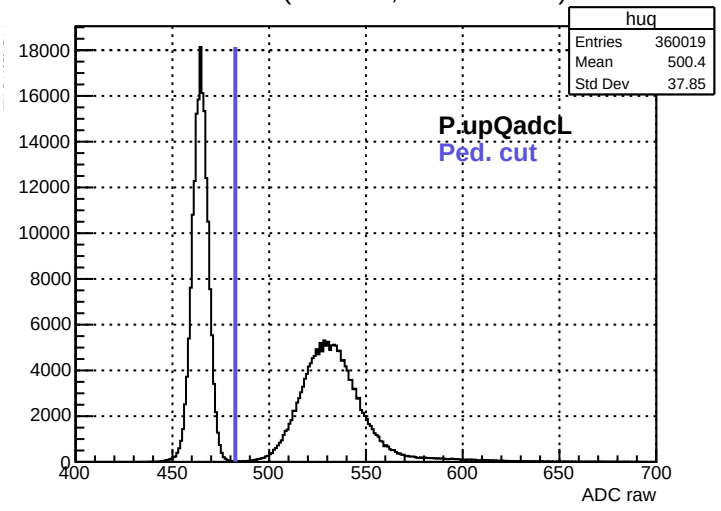

θlab (deg), xCut = -0.112 m
Theta
Entries 191778
Mean 4.758
Std Dev 0.4566
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

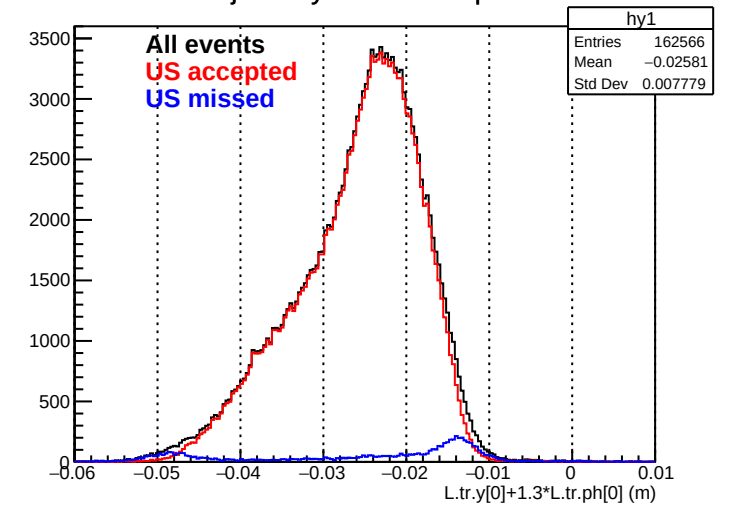

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 191778
Mean 0.5672
Std Dev 0.07486
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

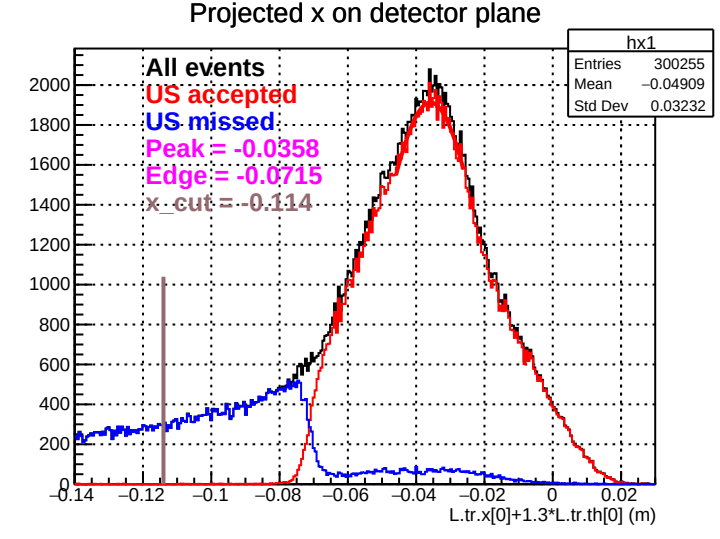

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 191778
Mean 0.5545
Std Dev 0.07104
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

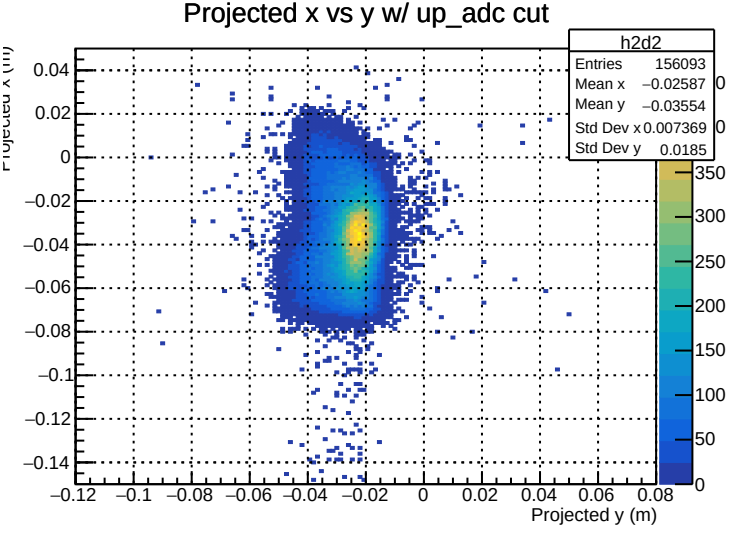

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 191778
Mean 0.00625
Std Dev 0.001231
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

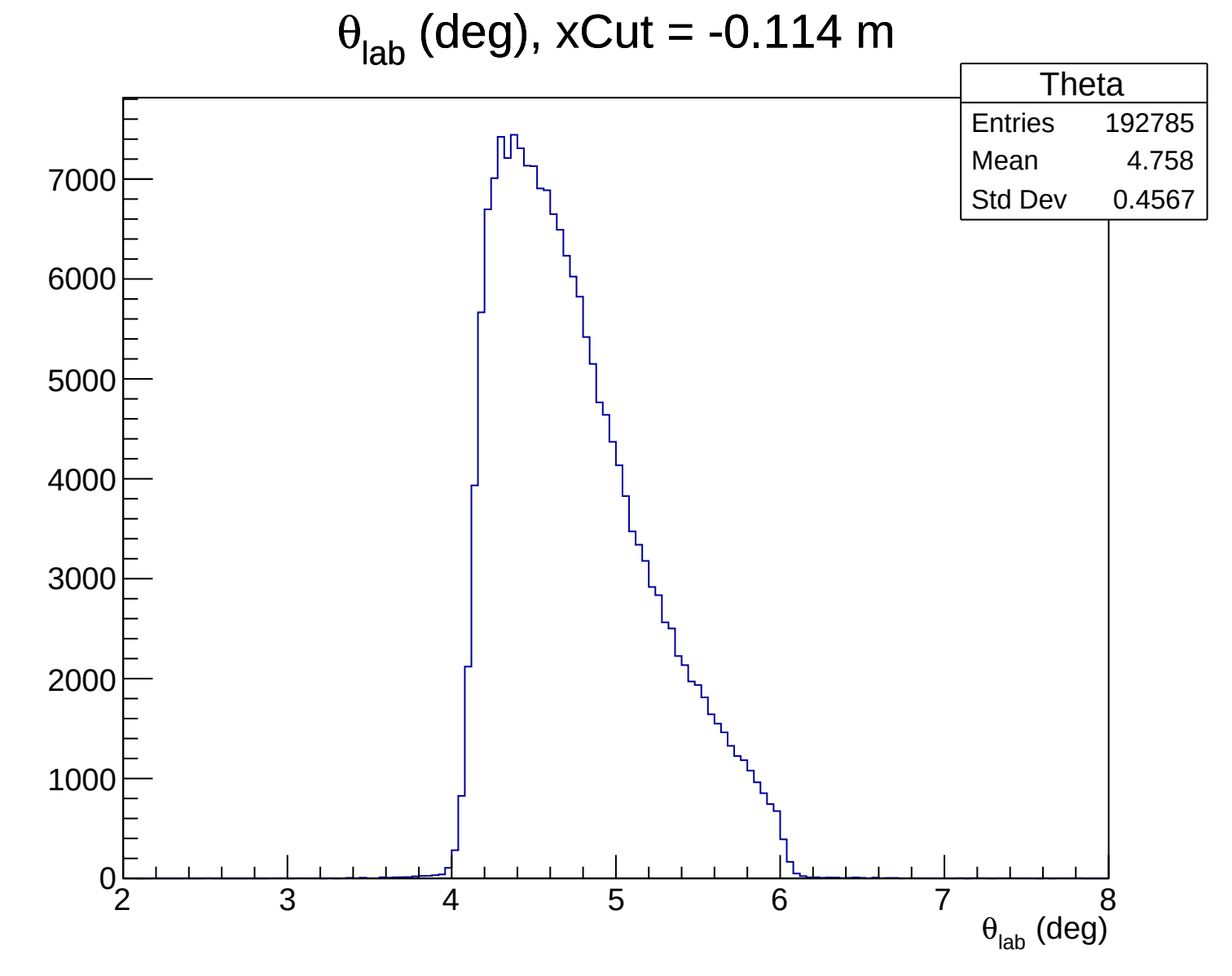

Sensitivity, xCut = -0.112 m
sens
Entries 191778
Mean 0.02197
Std Dev 0.003944
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

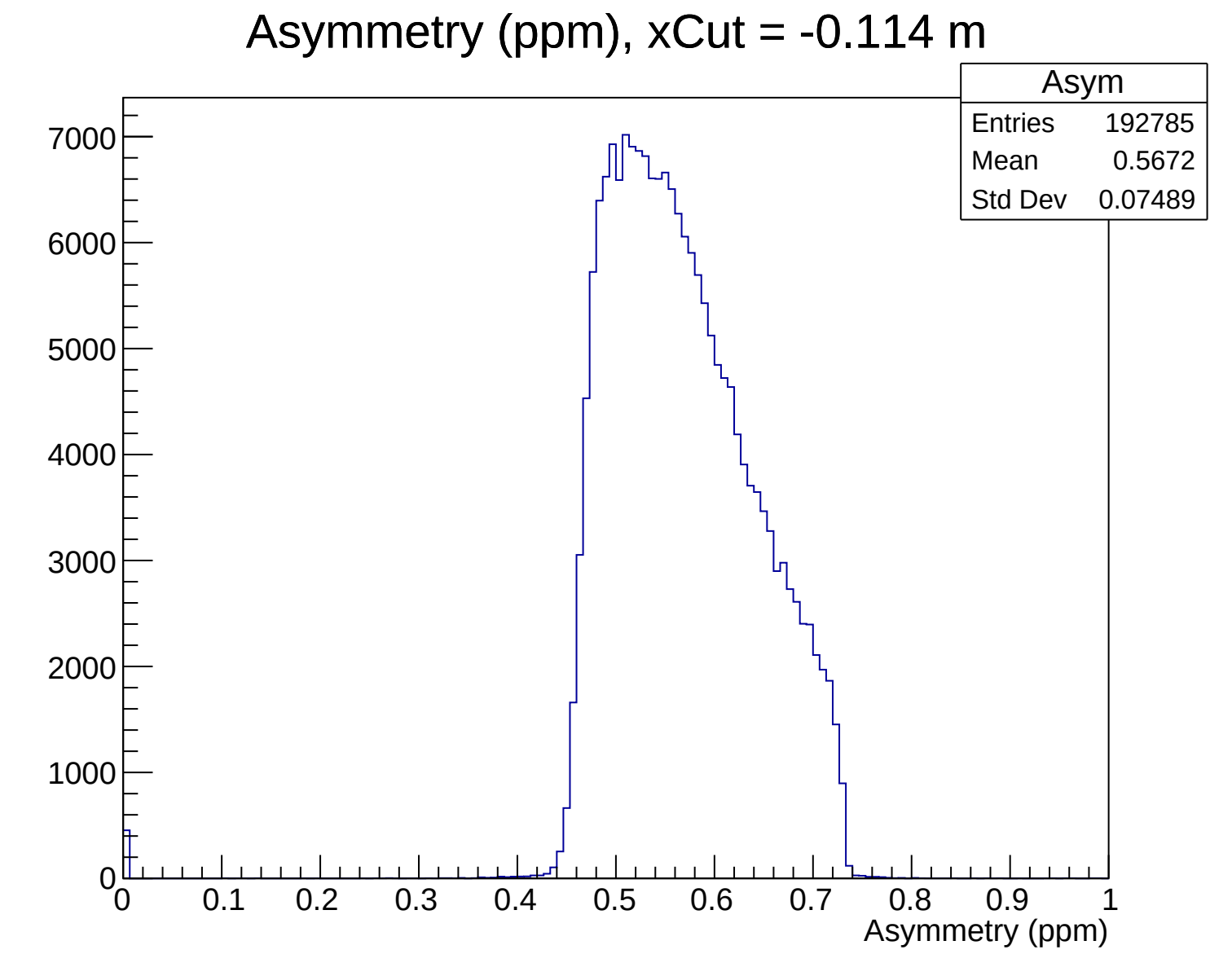

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

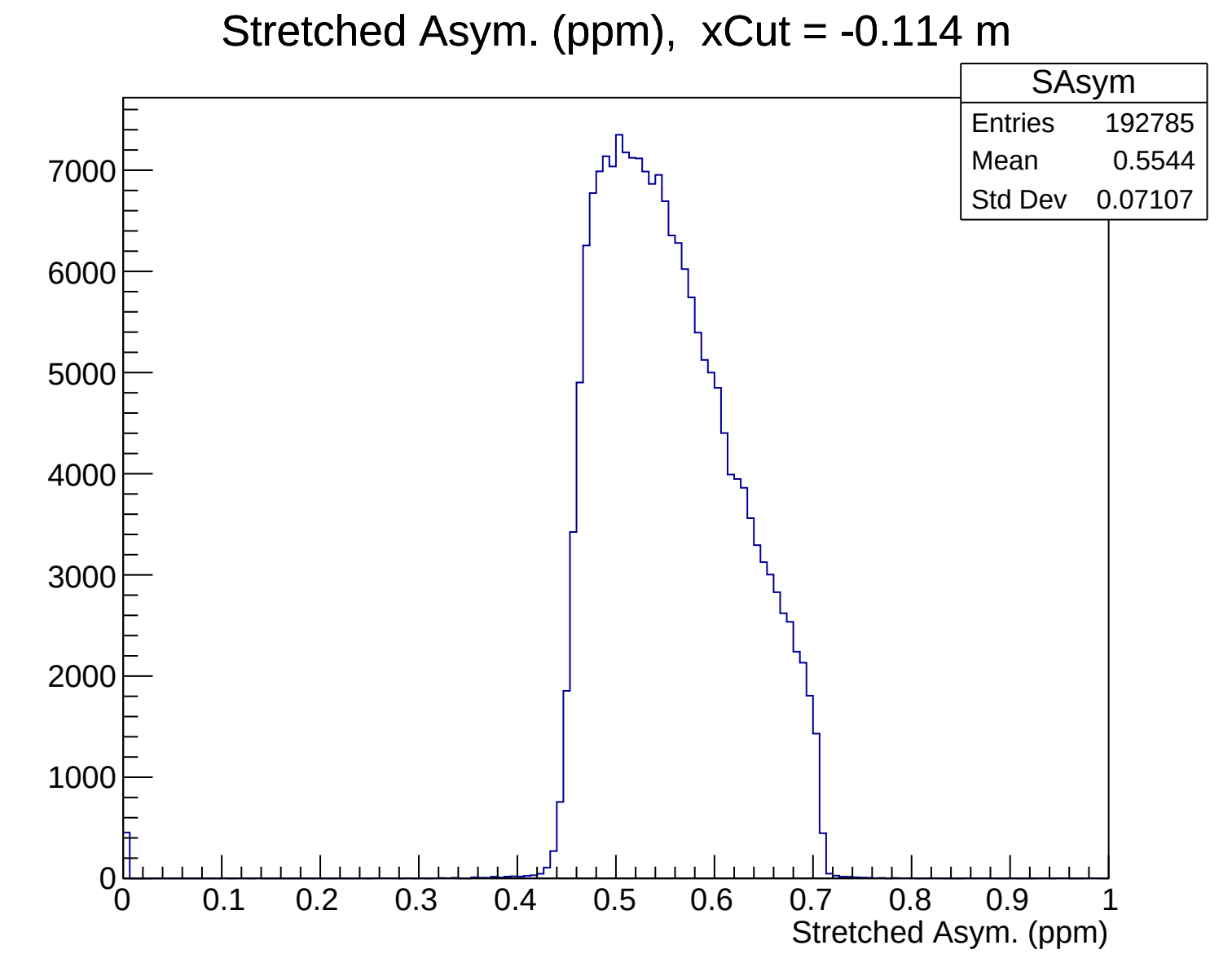

Projected y on detector plane
hy1
Entries 162566
Mean −0.02581
Std Dev 0.007779
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

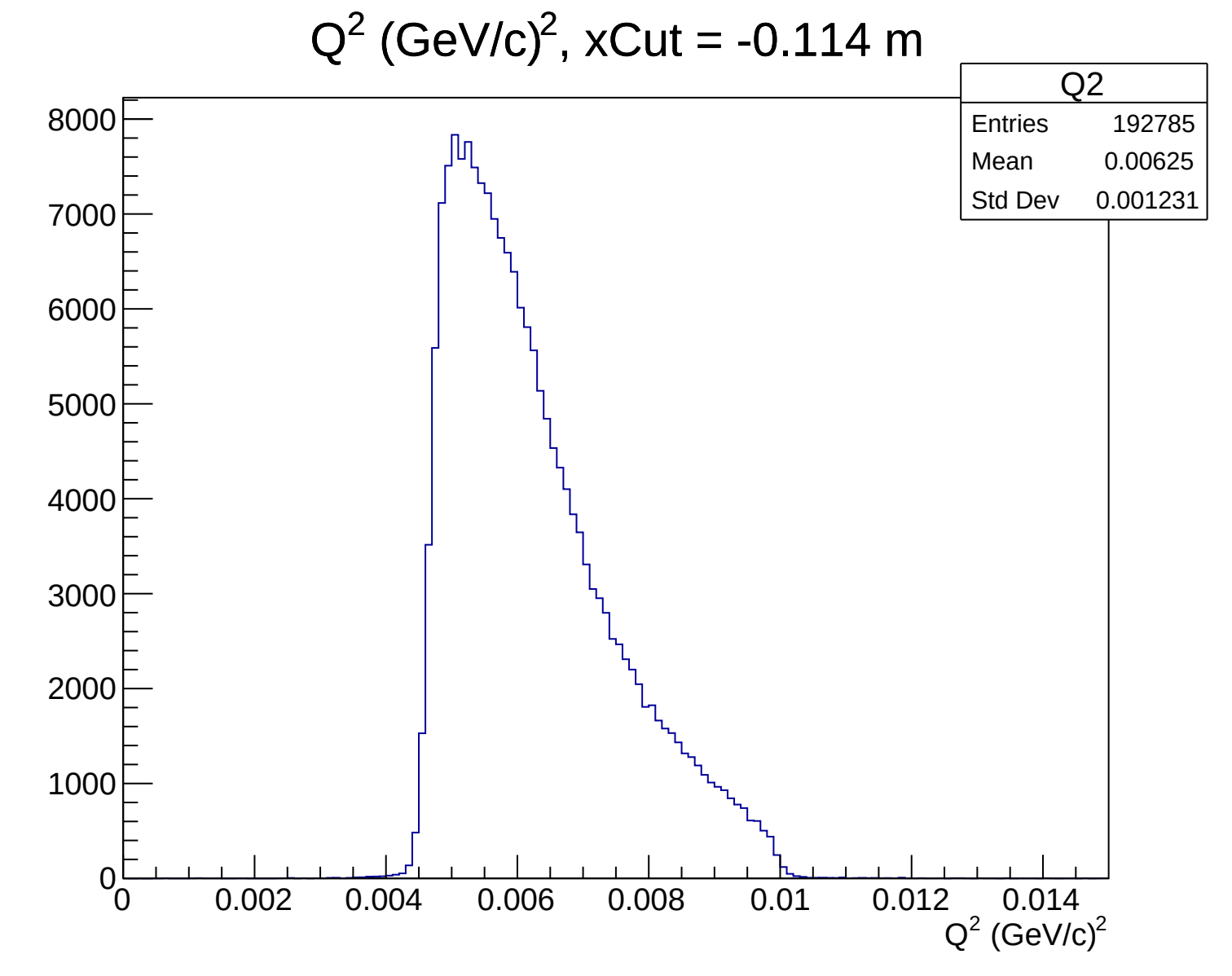

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

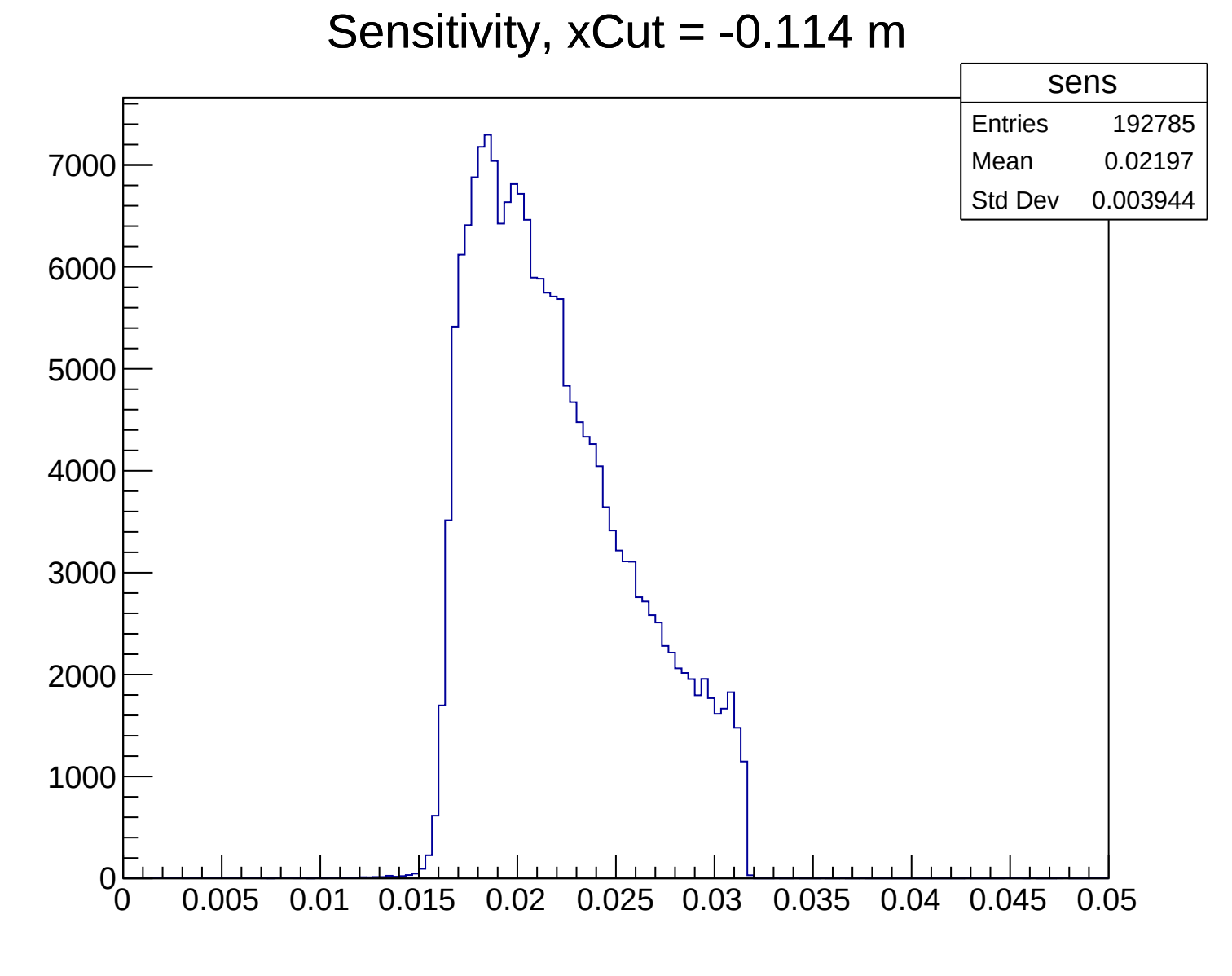

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 192785
Mean 4.758
Std Dev 0.4567
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 192785
Mean 0.5672
Std Dev 0.07489
7000
6000
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 192785
Mean 0.5544
Std Dev 0.07107
7000
6000
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 192785
Mean 0.00625
Std Dev 0.001231
8000
7000
6000
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 192785
Mean 0.02197
Std Dev 0.003944
7000
6000
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