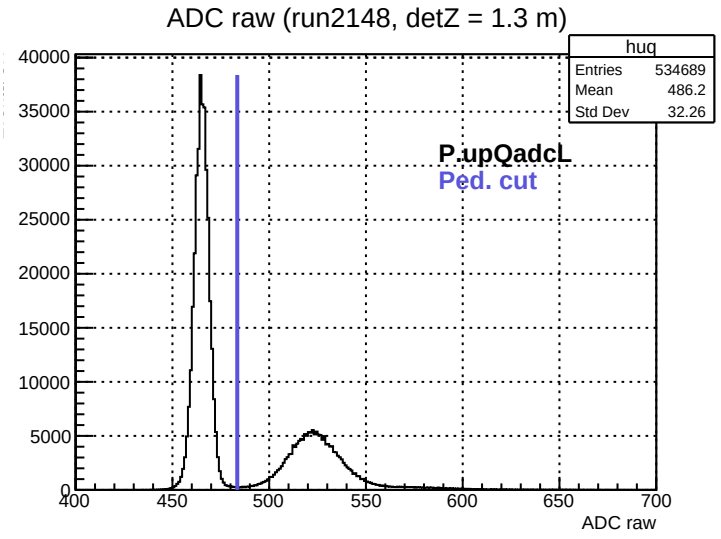
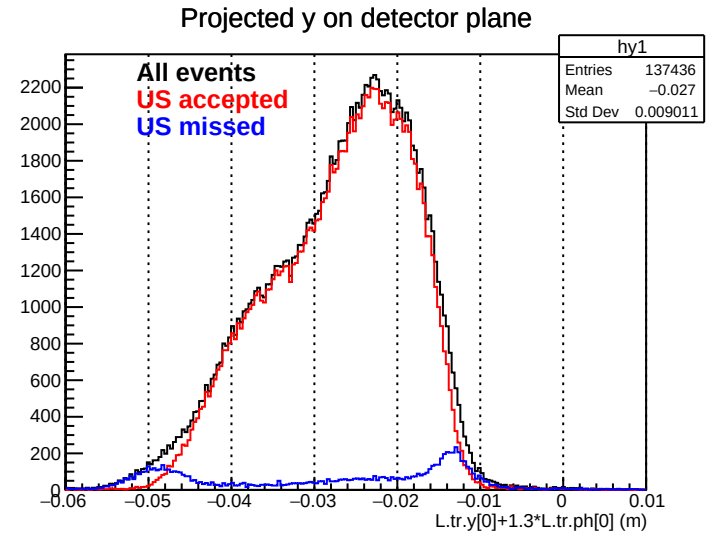
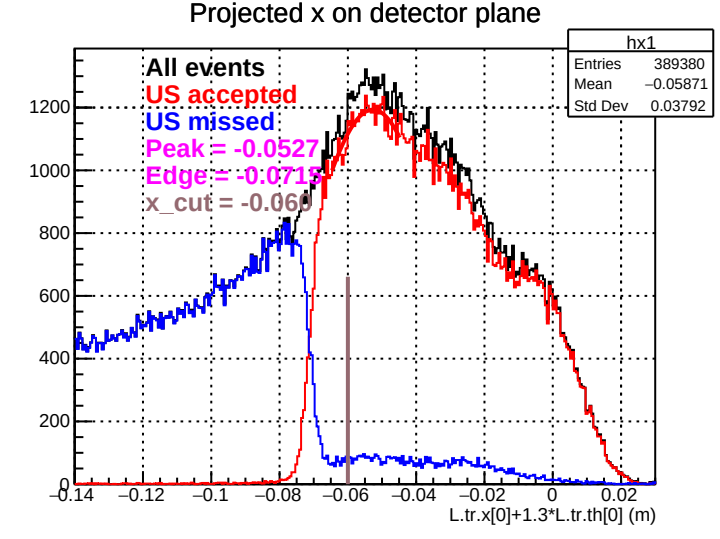
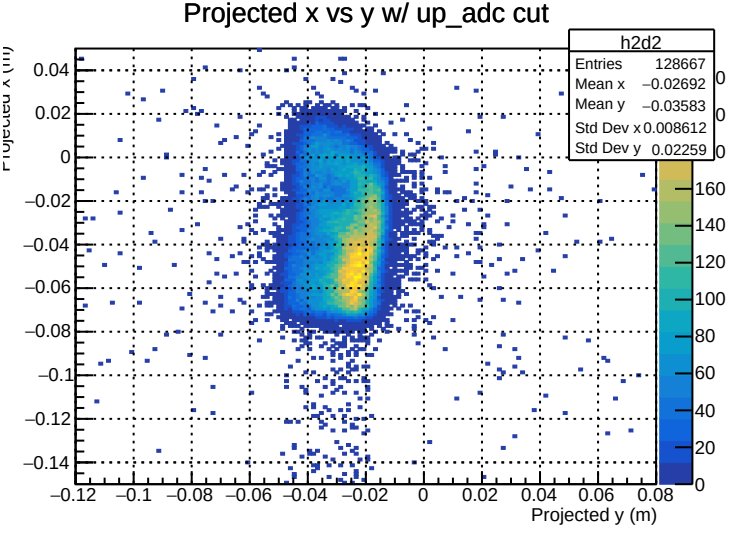
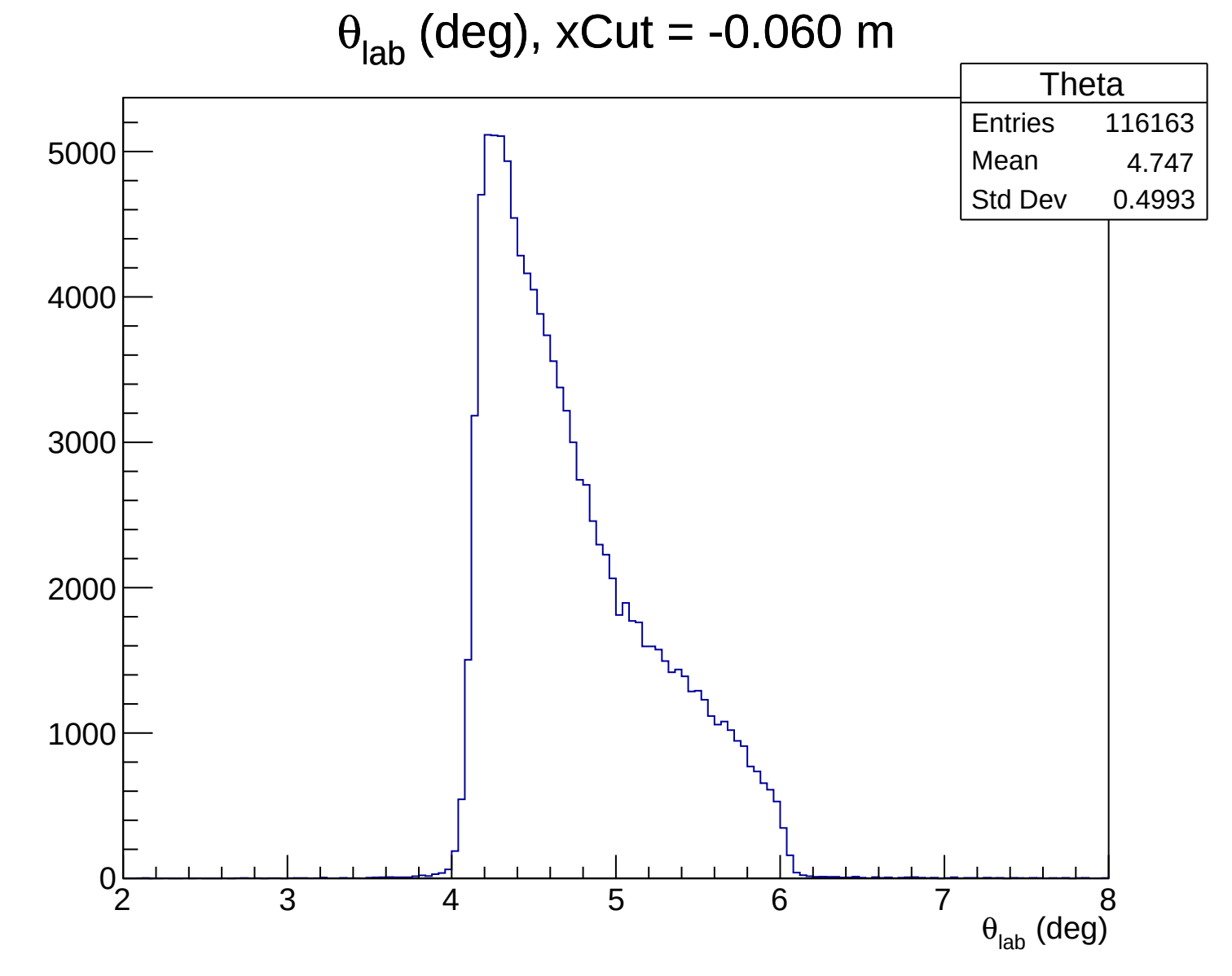
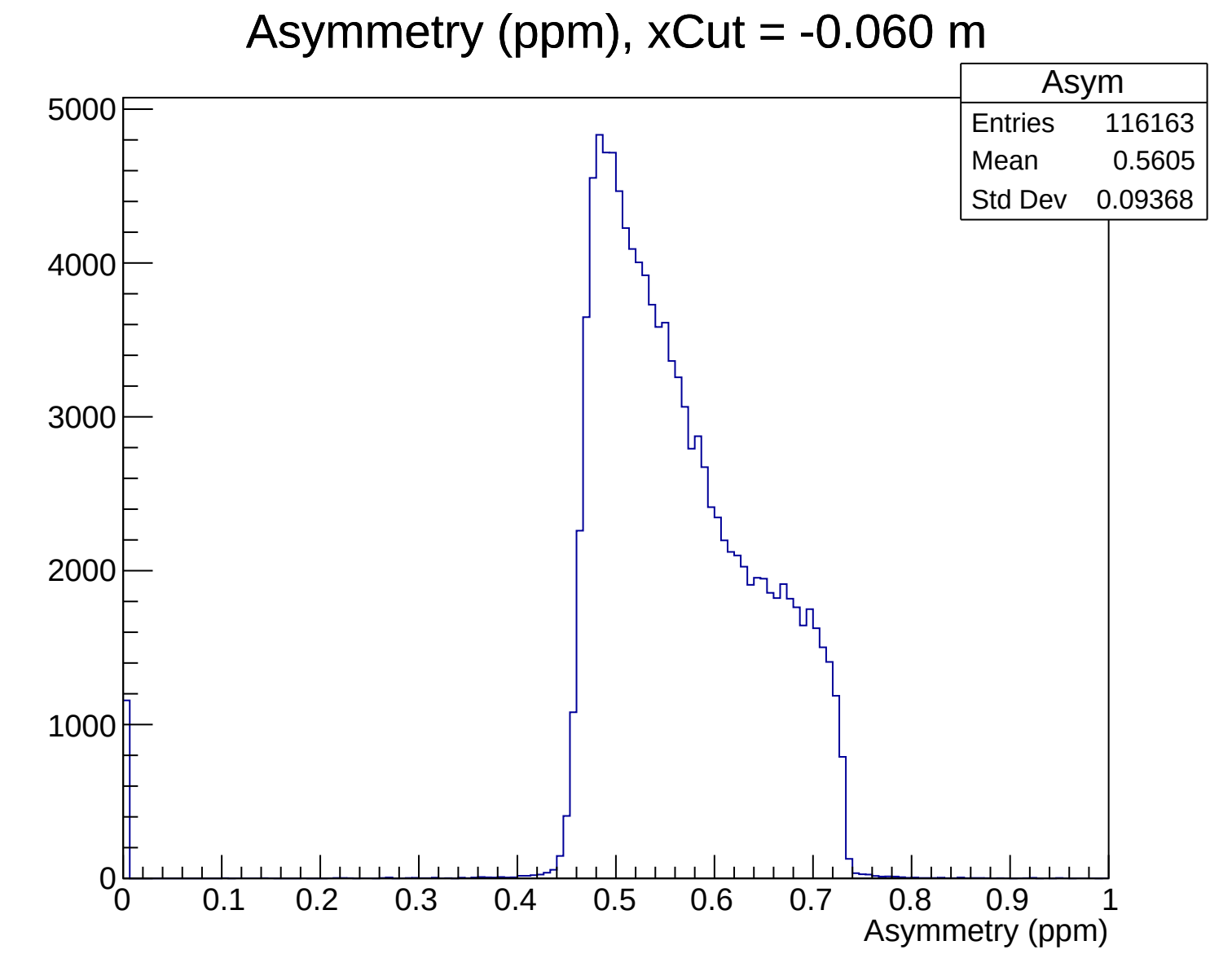

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

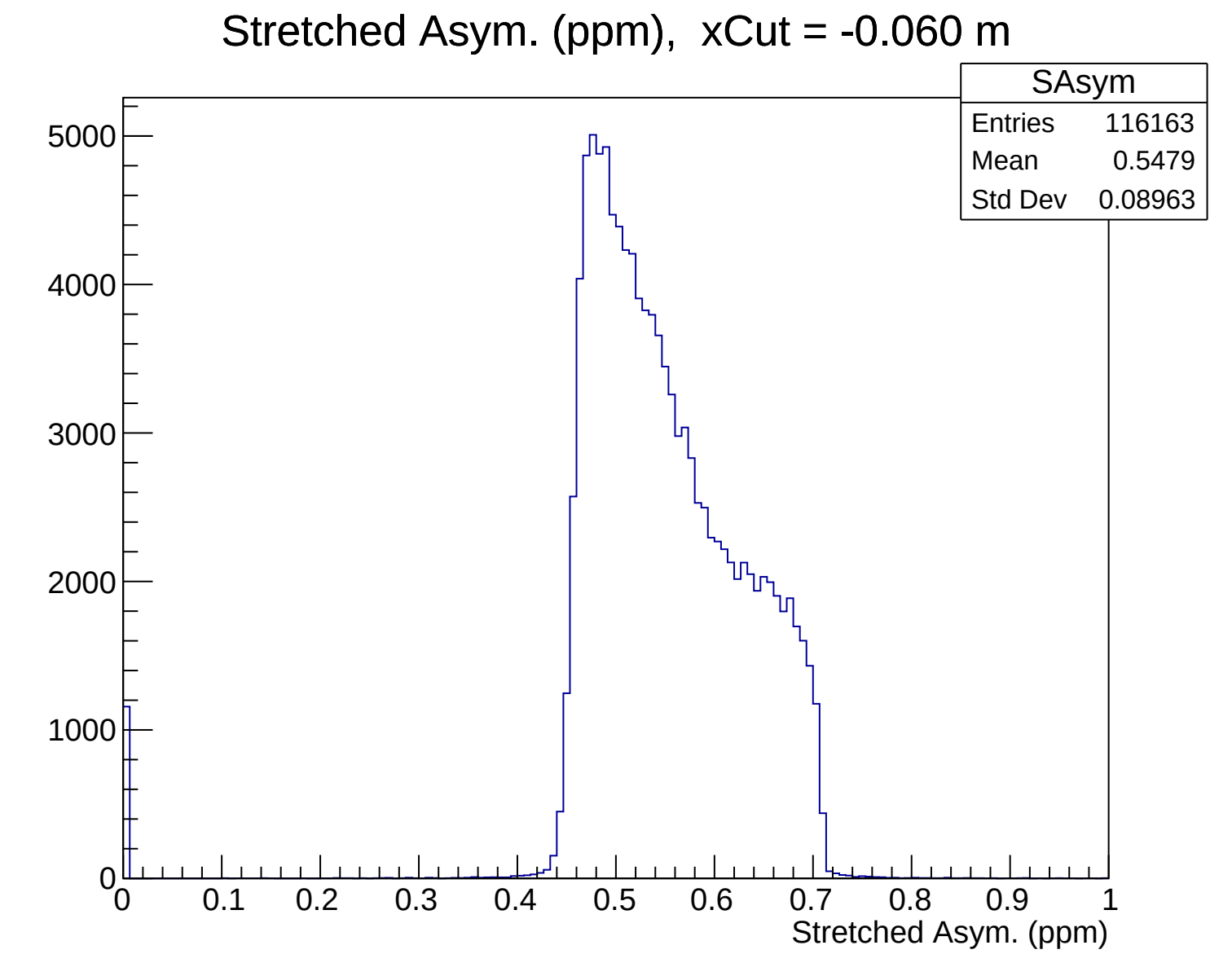

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

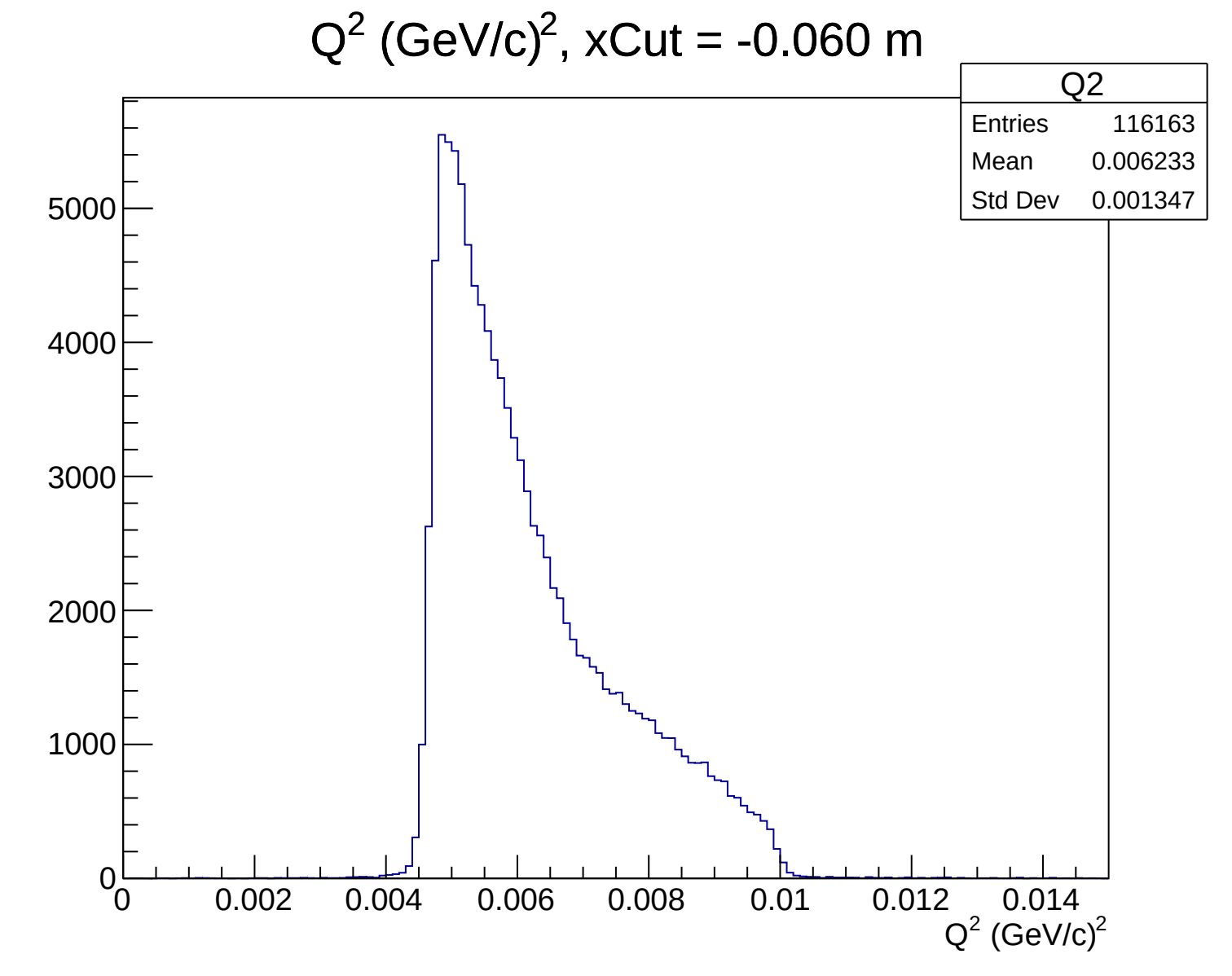

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

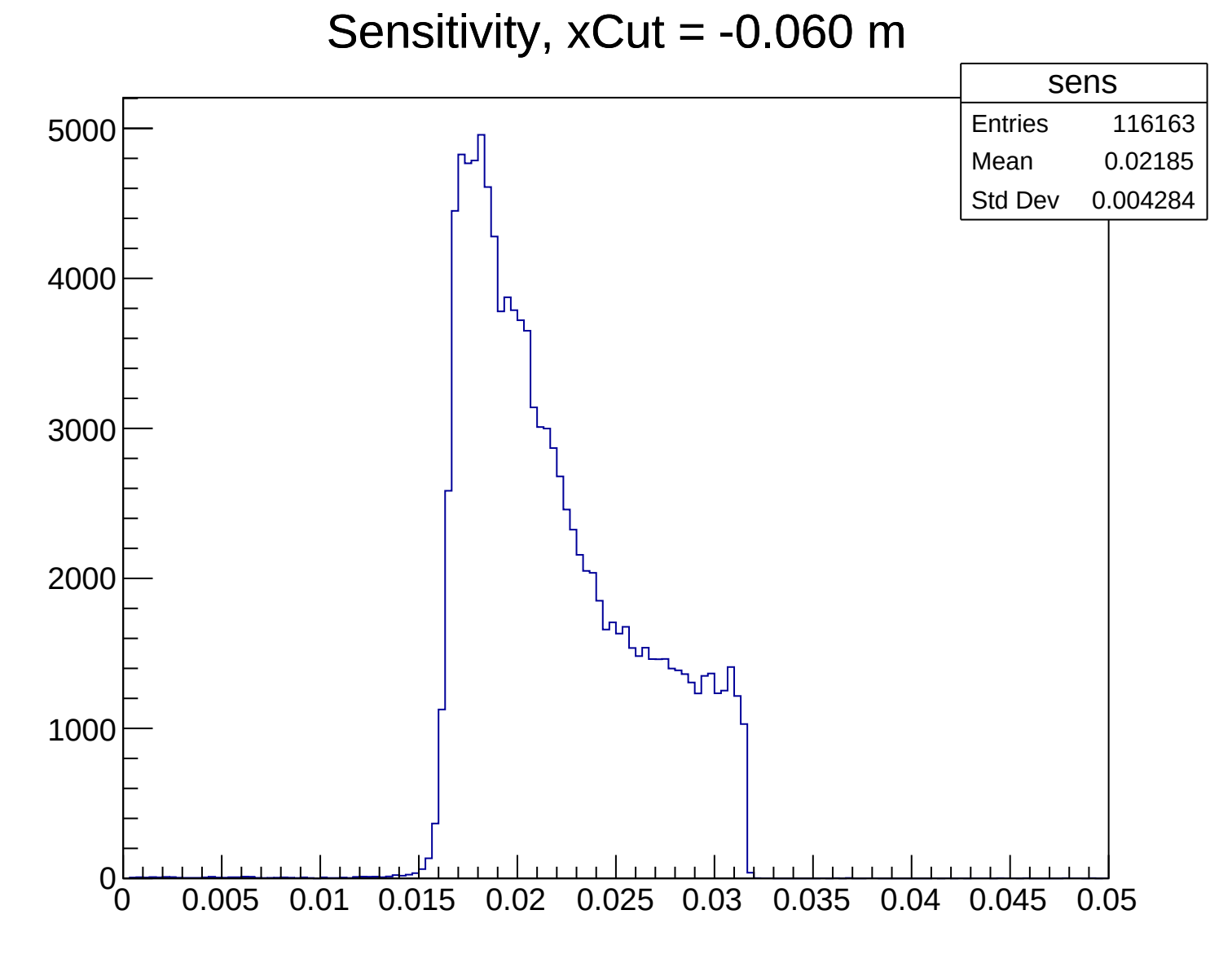

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

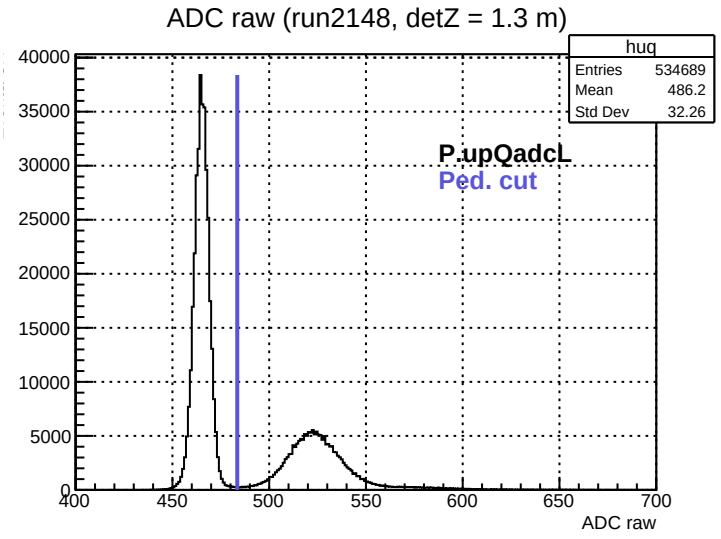

θlab (deg), xCut = -0.060 m
Theta
Entries 116163
Mean 4.747
Std Dev 0.4993
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

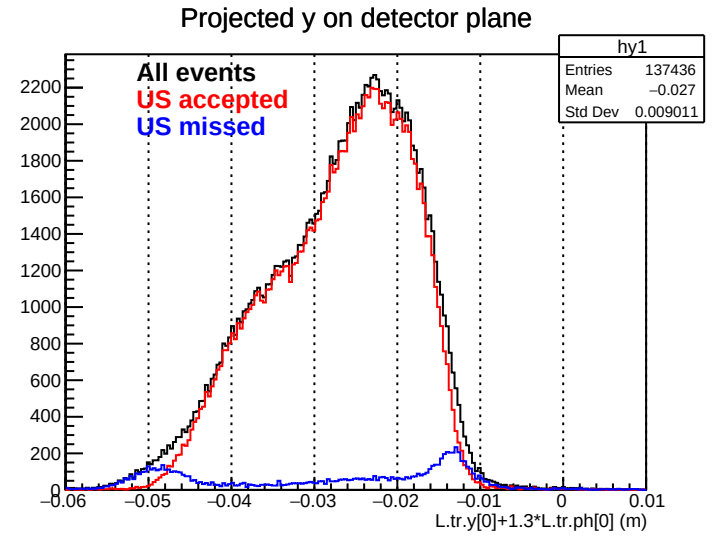

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 116163
Mean 0.5605
Std Dev 0.09368
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

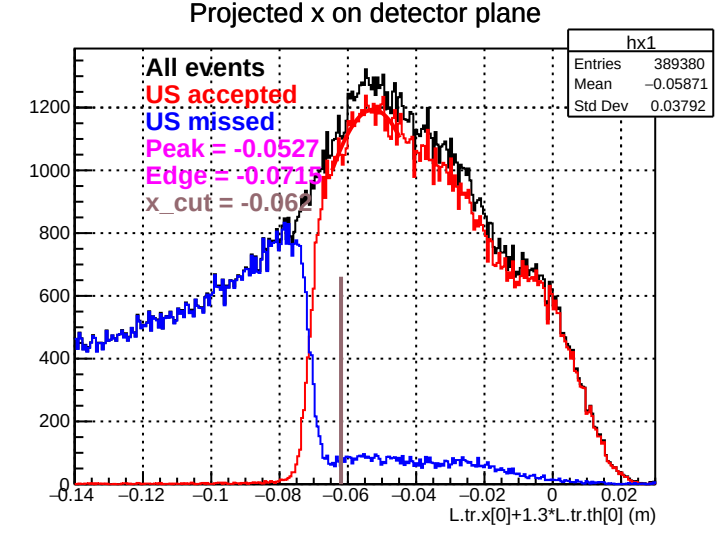

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 116163
Mean 0.5479
Std Dev 0.08963
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

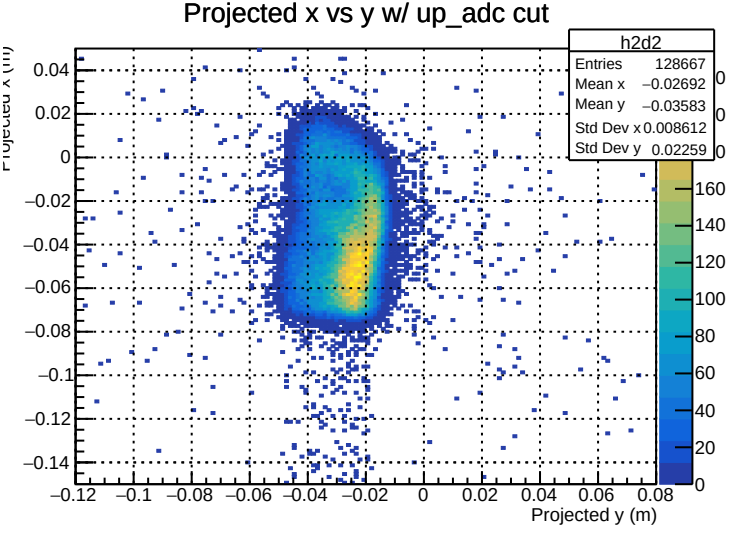

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 116163
Mean 0.006233
Std Dev 0.001347
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

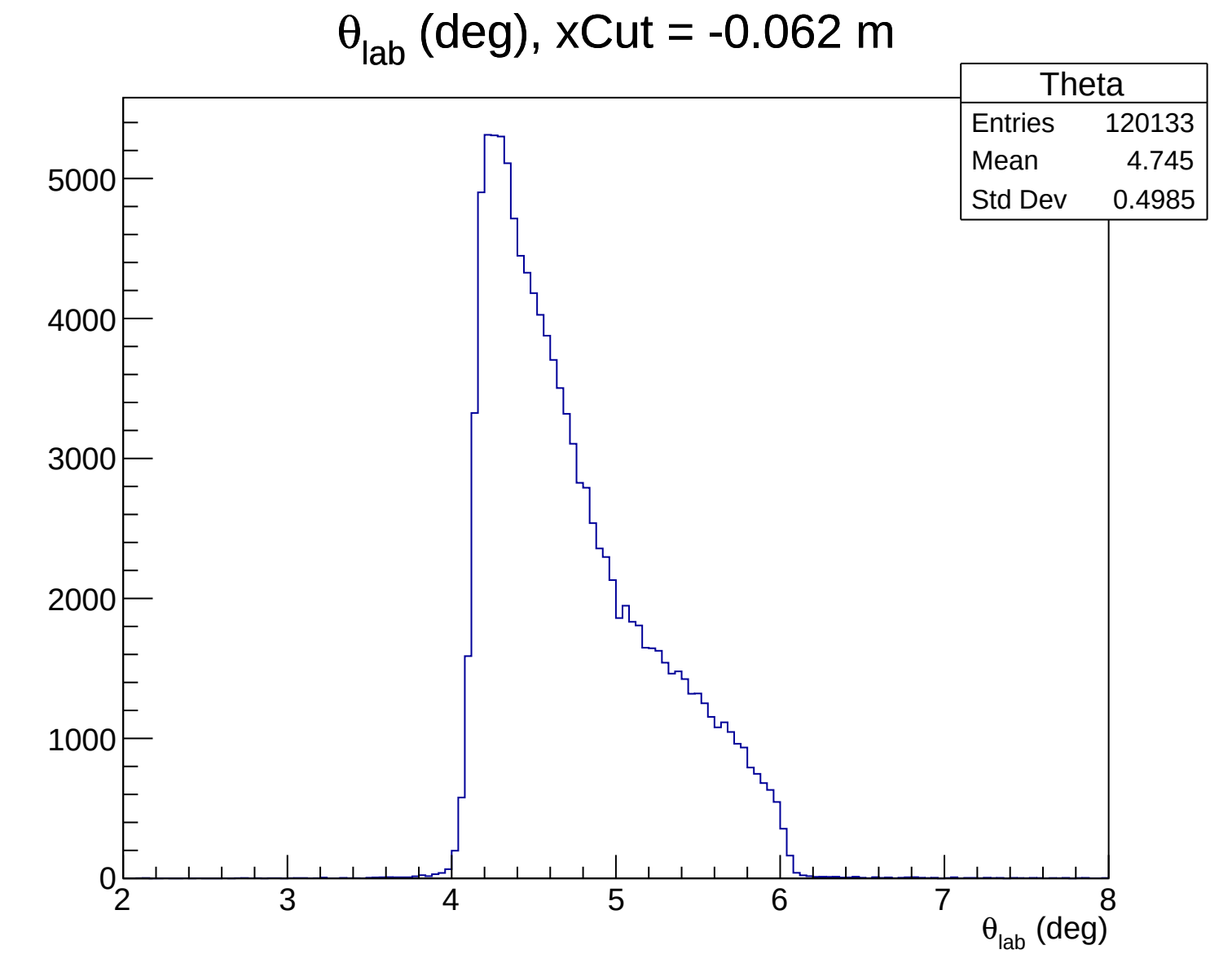

Sensitivity, xCut = -0.060 m
sens
Entries 116163
Mean 0.02185
Std Dev 0.004284
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

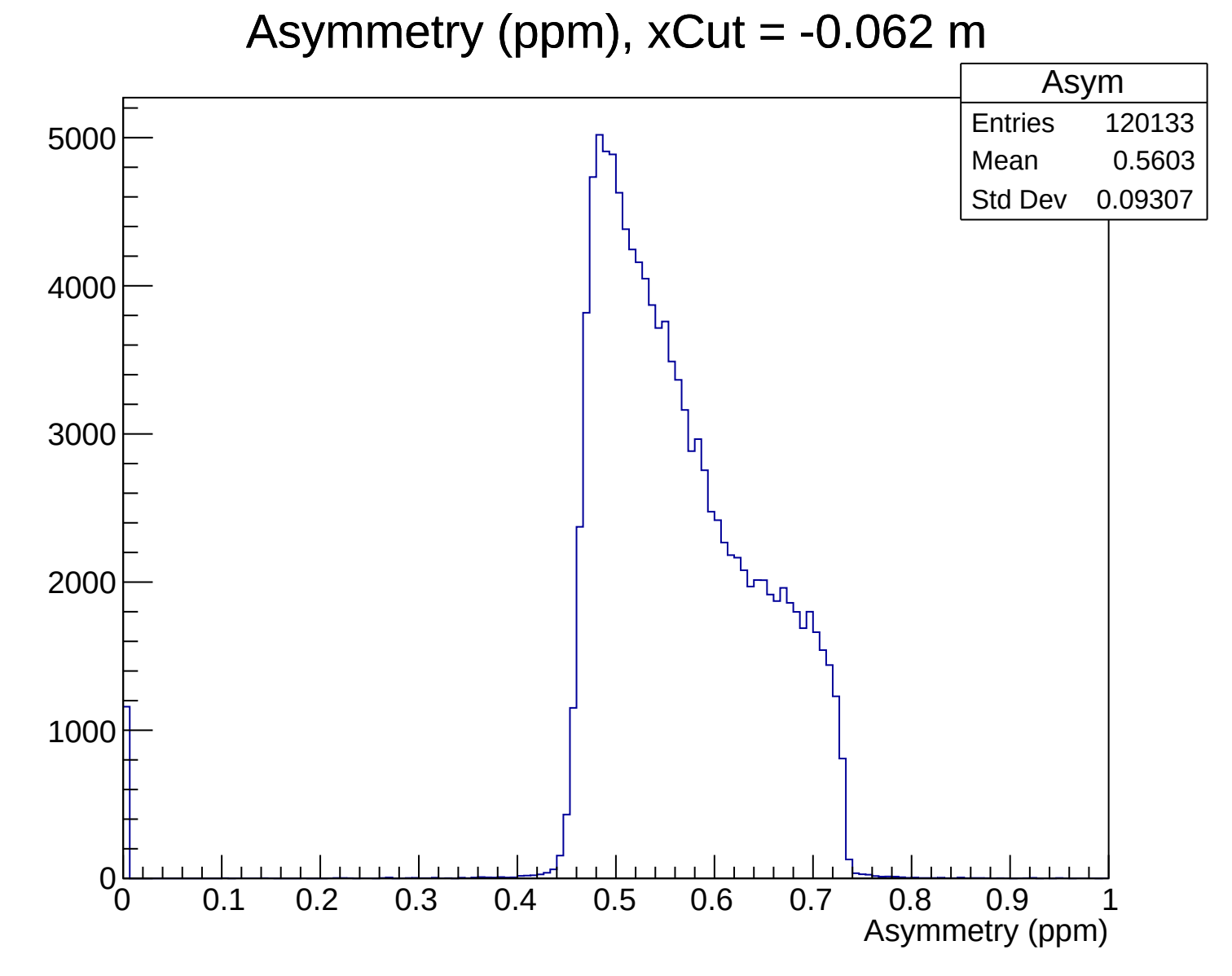

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

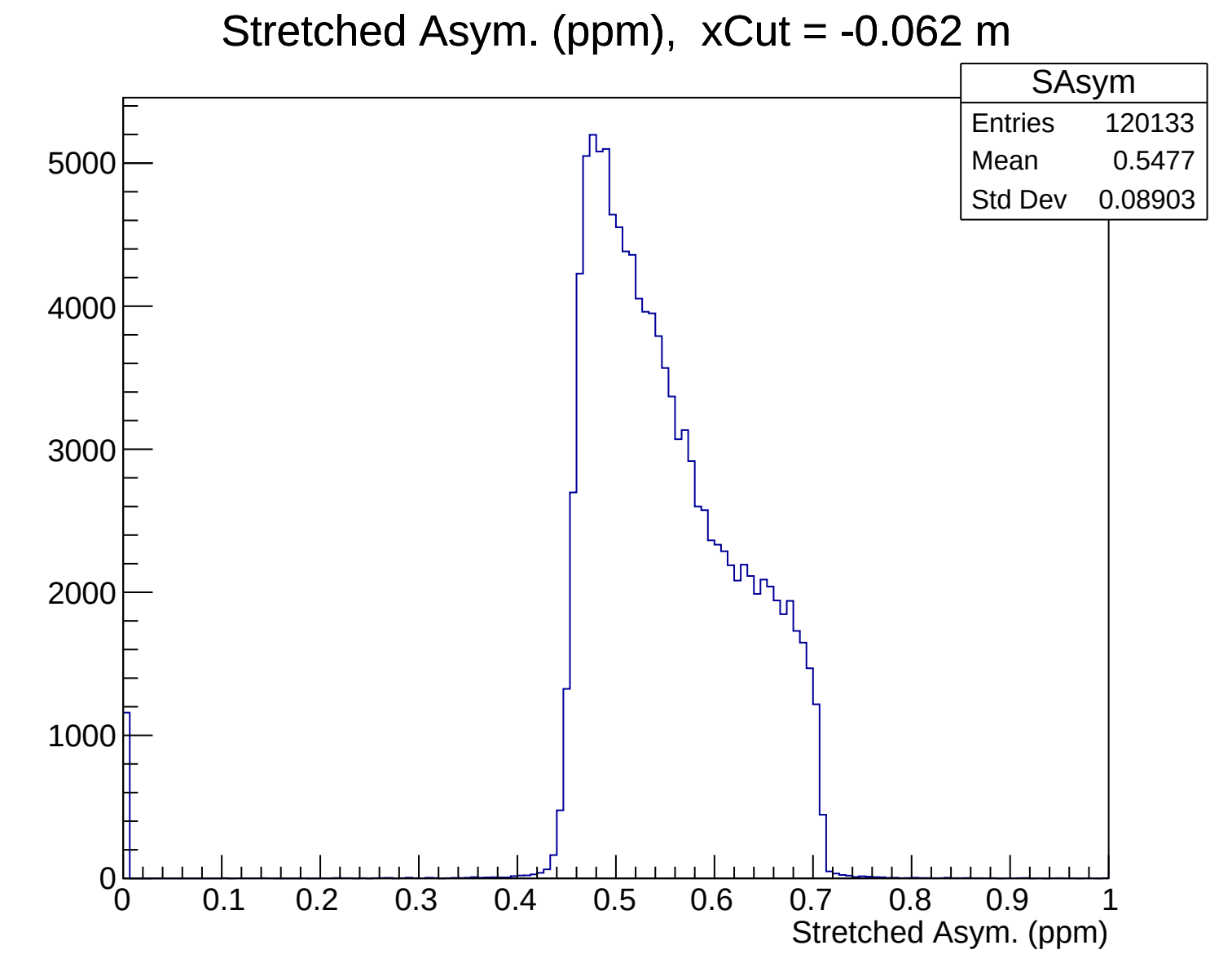

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

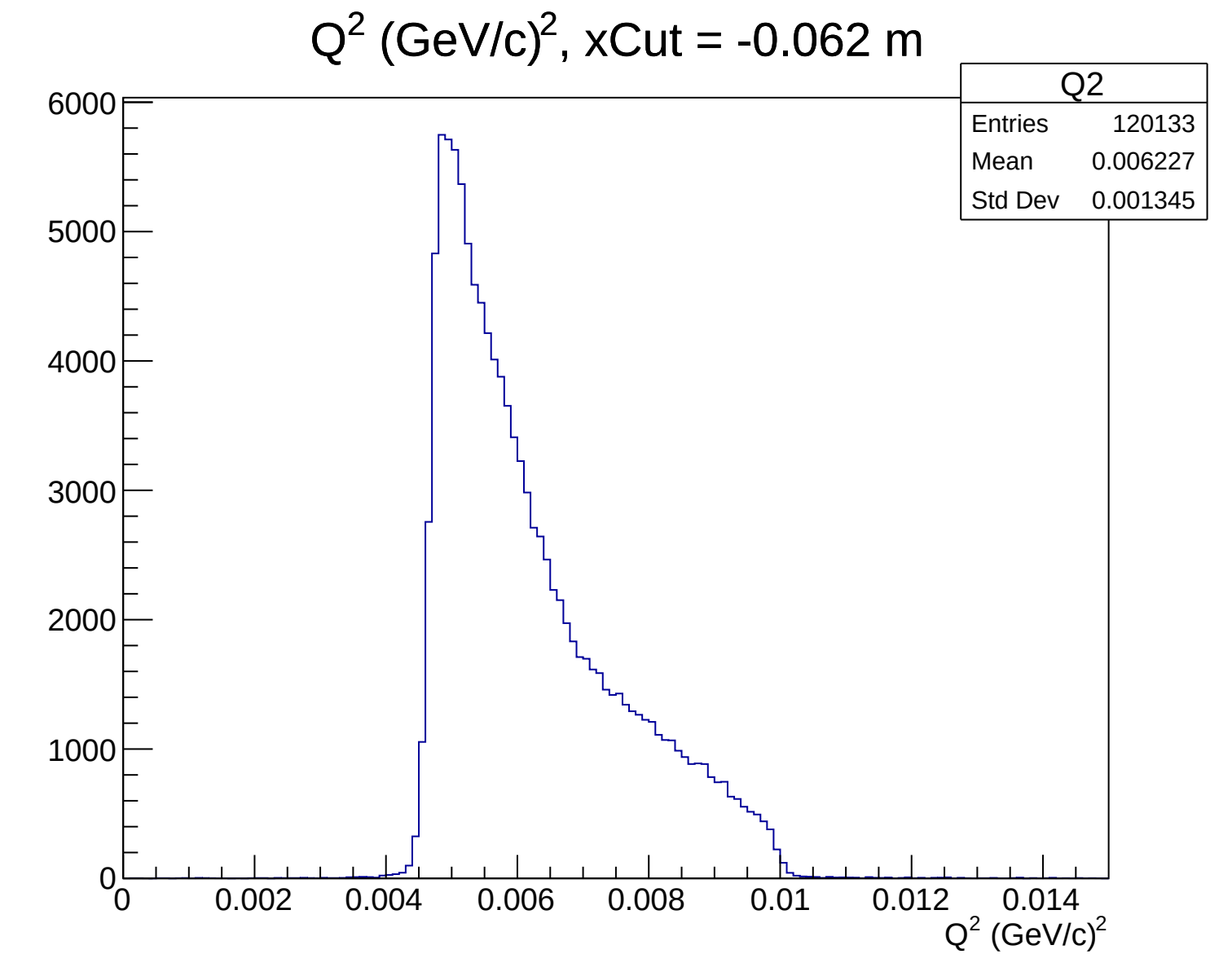

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

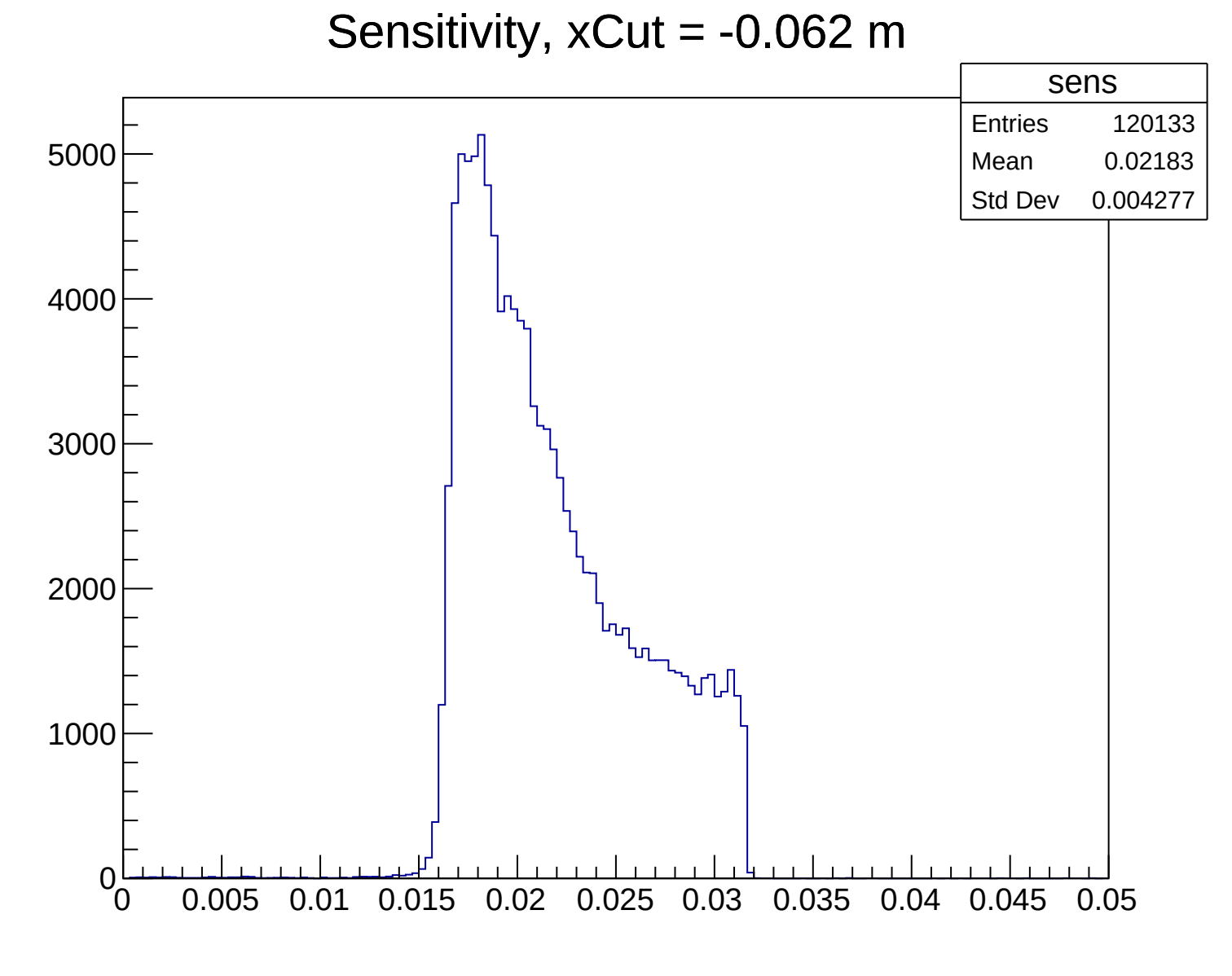

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

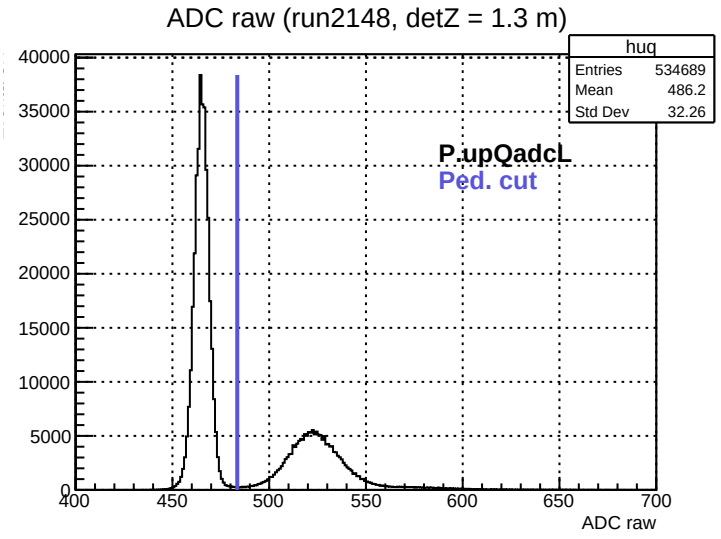

θlab (deg), xCut = -0.062 m
Theta
Entries 120133
Mean 4.745
Std Dev 0.4985
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

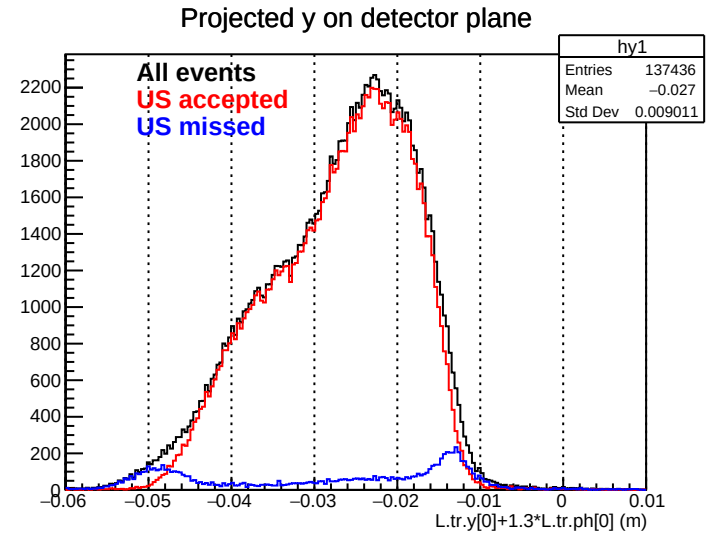

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 120133
Mean 0.5603
Std Dev 0.09307
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

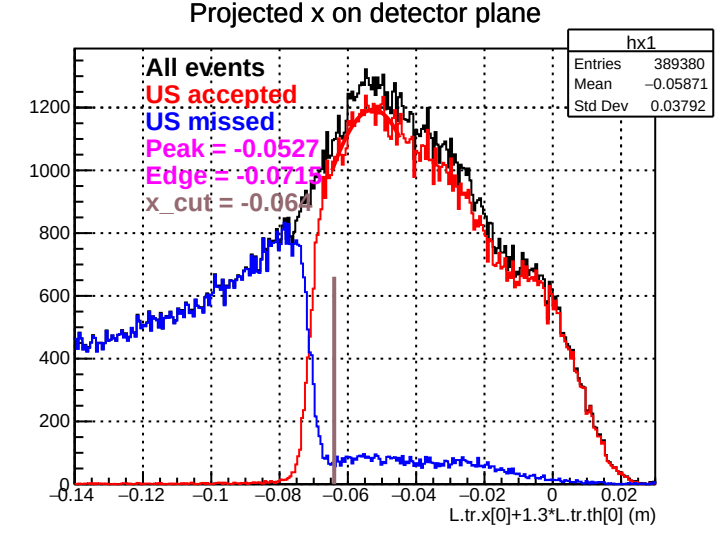

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 120133
Mean 0.5477
Std Dev 0.08903
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

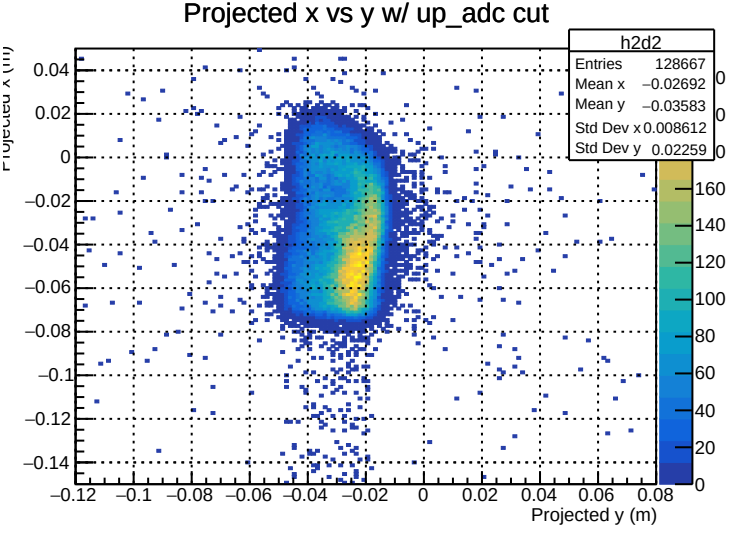

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 120133
Mean 0.006227
Std Dev 0.001345
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

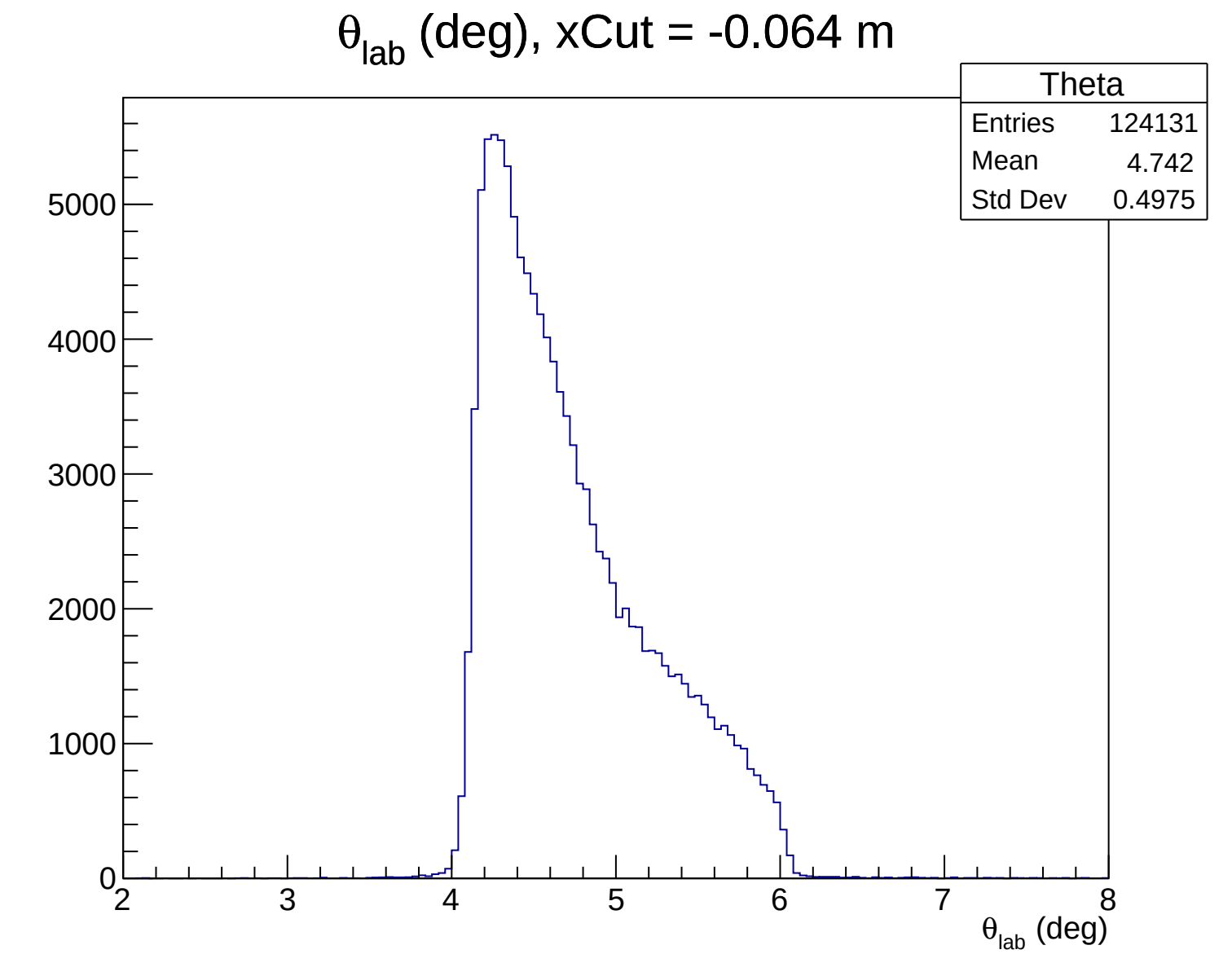

Sensitivity, xCut = -0.062 m
sens
Entries 120133
Mean 0.02183
Std Dev 0.004277
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

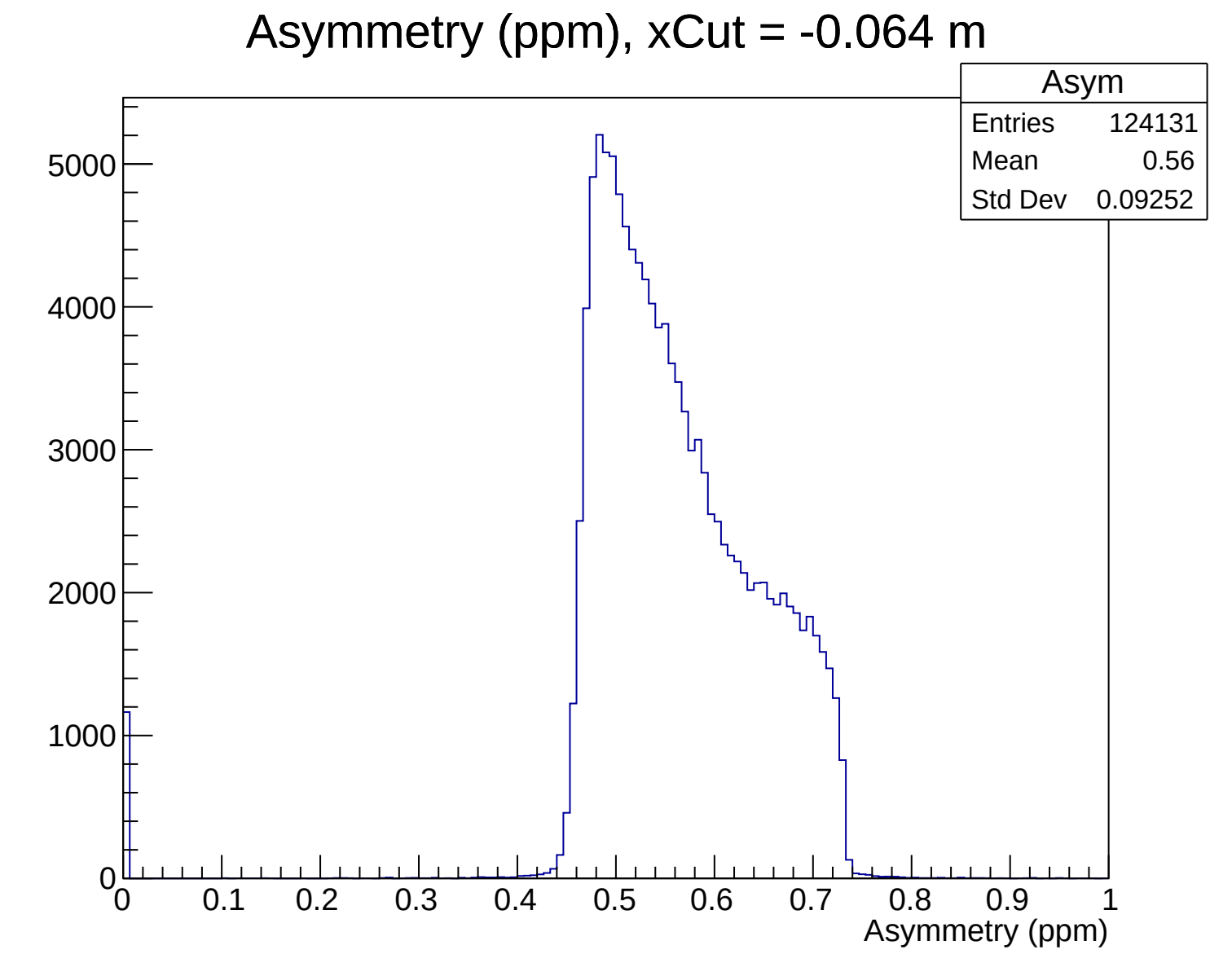

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

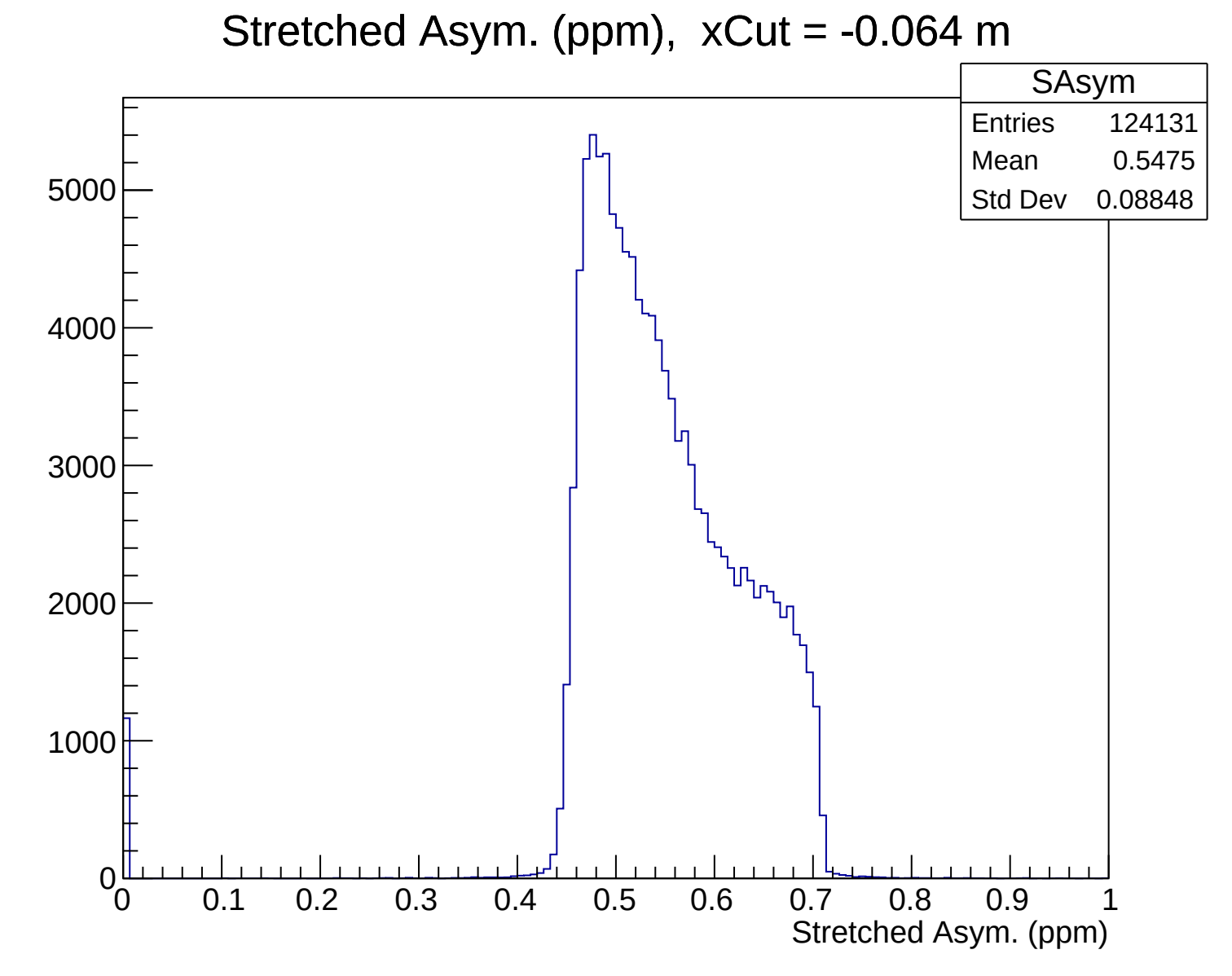

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

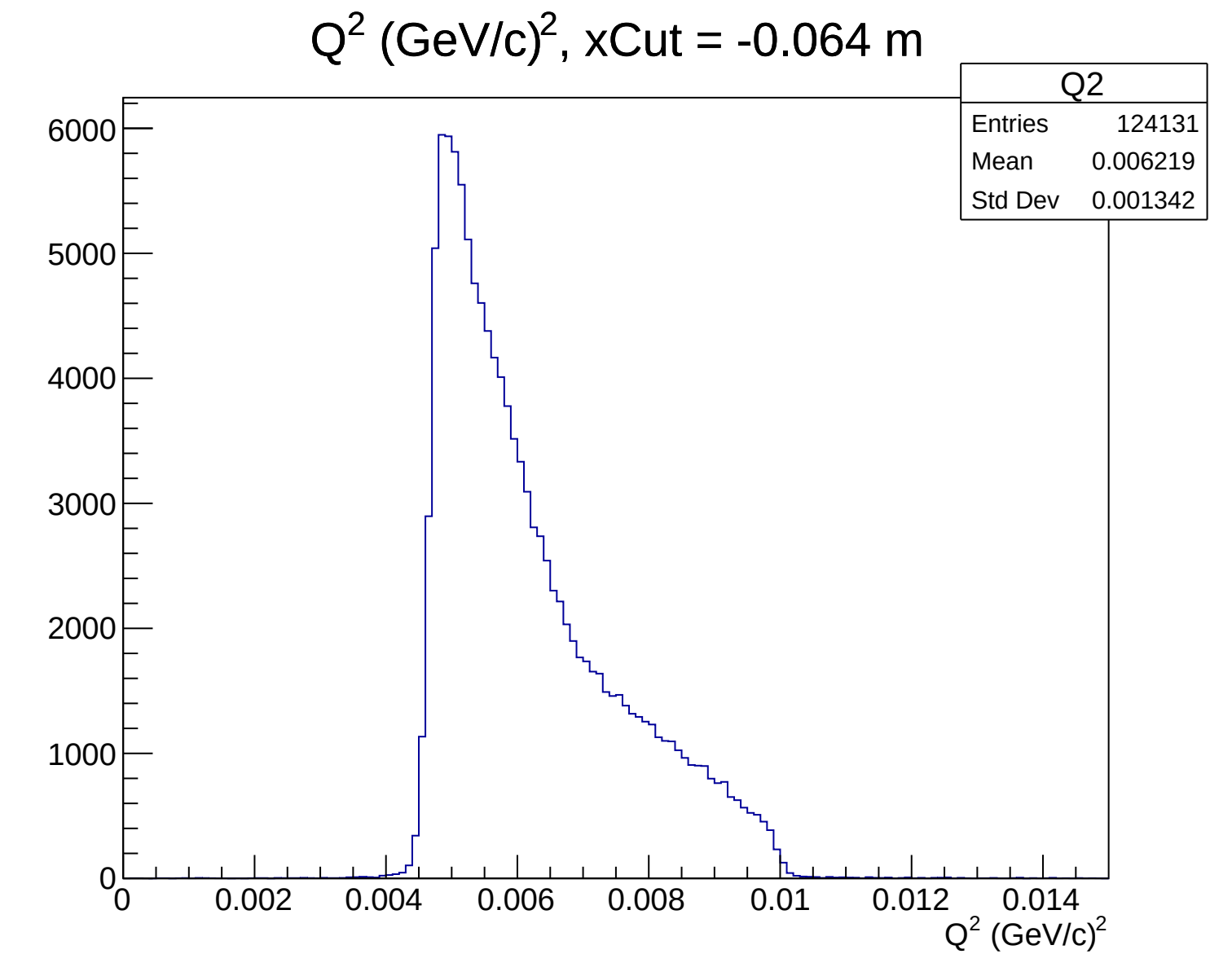

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

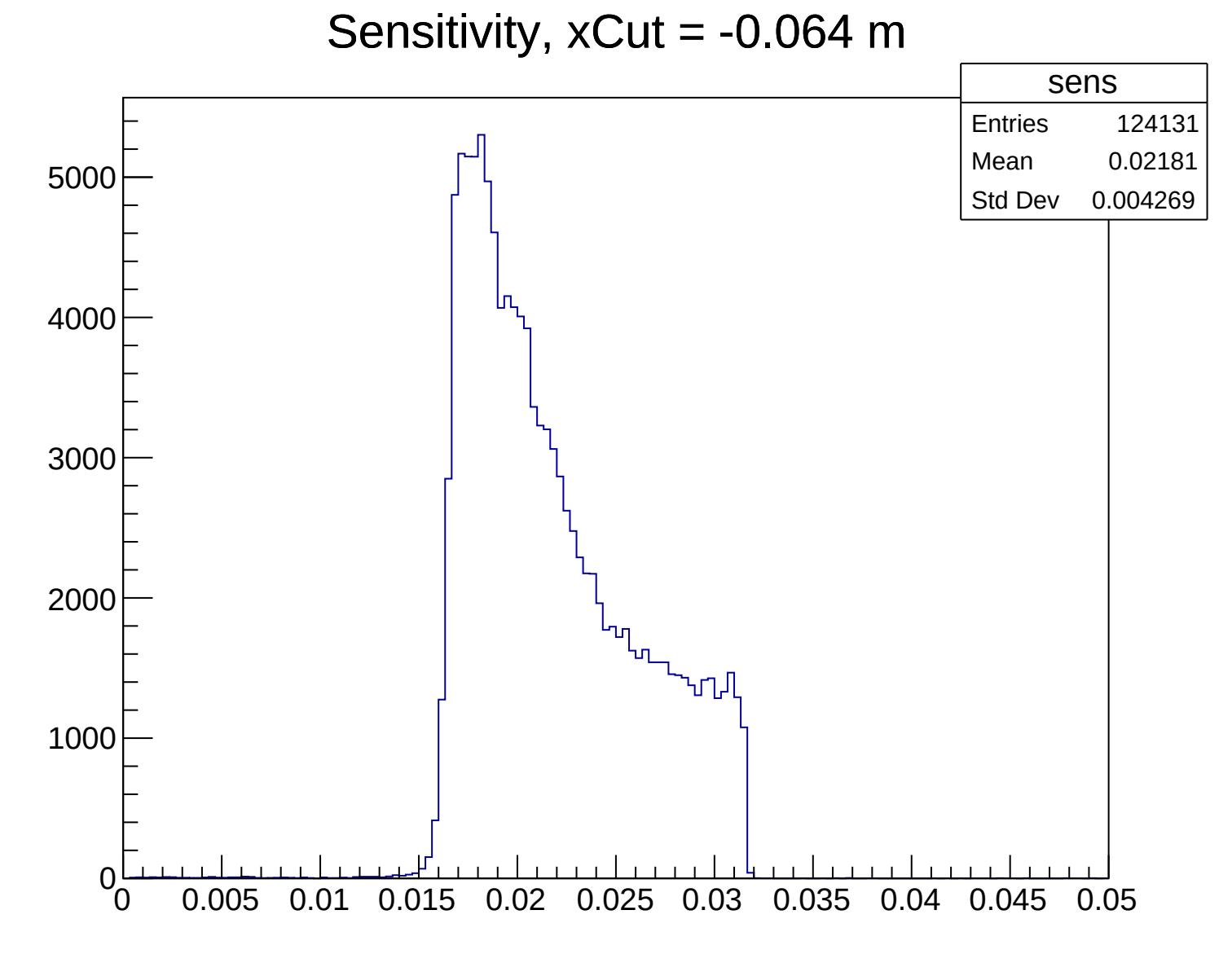

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

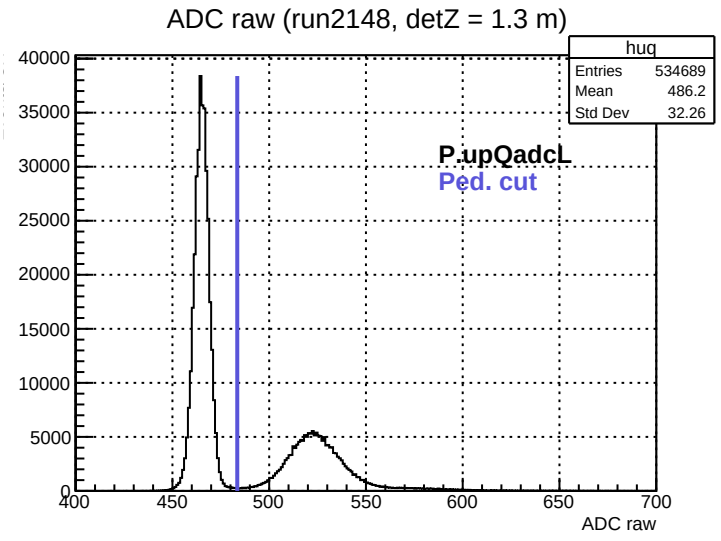

θlab (deg), xCut = -0.064 m
Theta
Entries 124131
Mean 4.742
Std Dev 0.4975
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

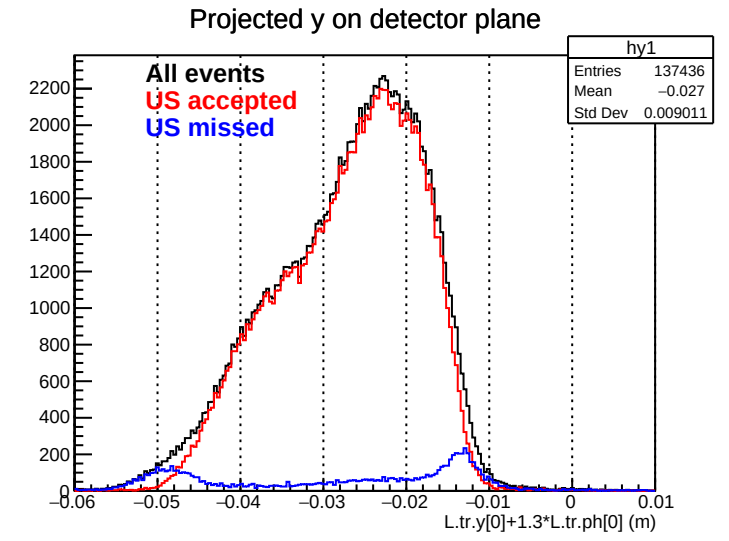

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 124131
Mean 0.56
Std Dev 0.09252
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

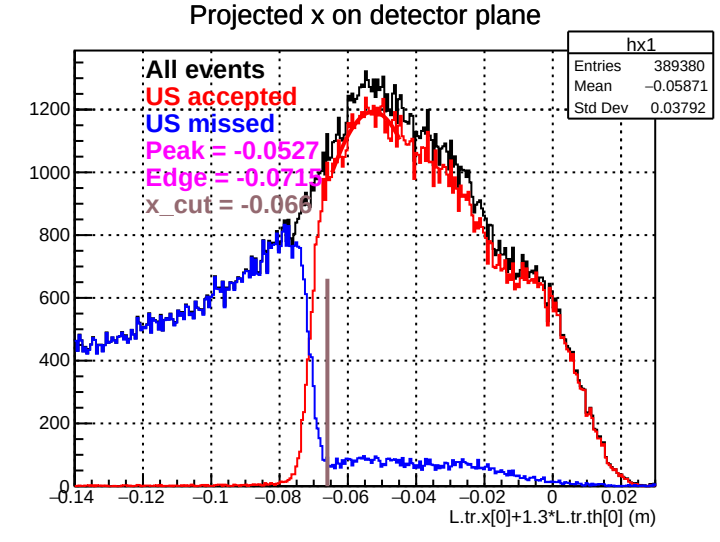

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 124131
Mean 0.5475
Std Dev 0.08848
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

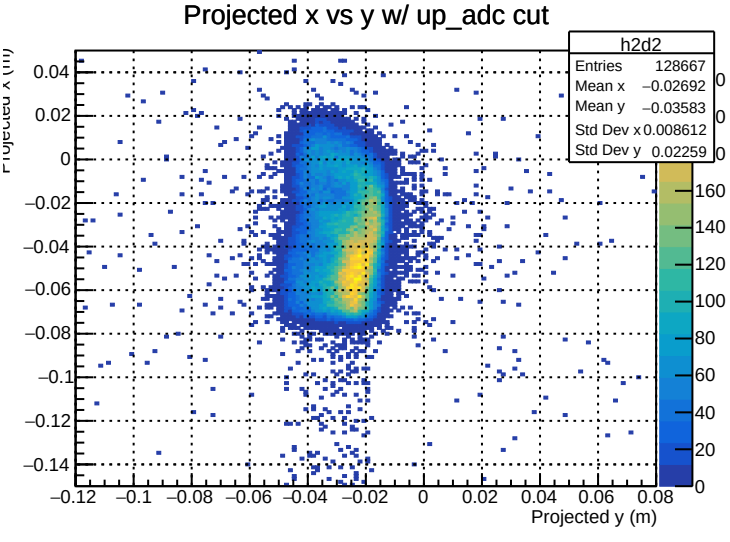

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 124131
Mean 0.006219
Std Dev 0.001342
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

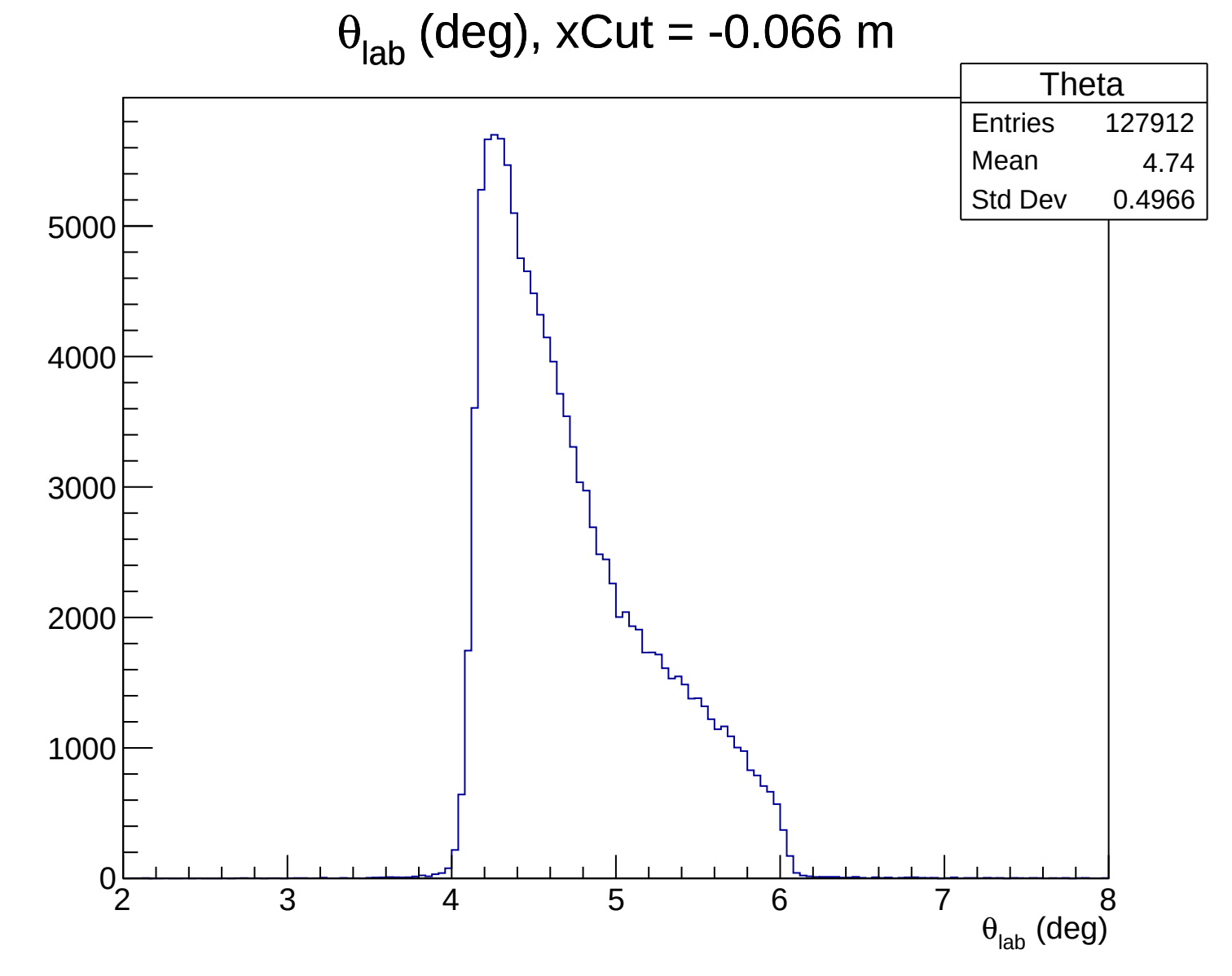

Sensitivity, xCut = -0.064 m
sens
Entries 124131
Mean 0.02181
Std Dev 0.004269
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

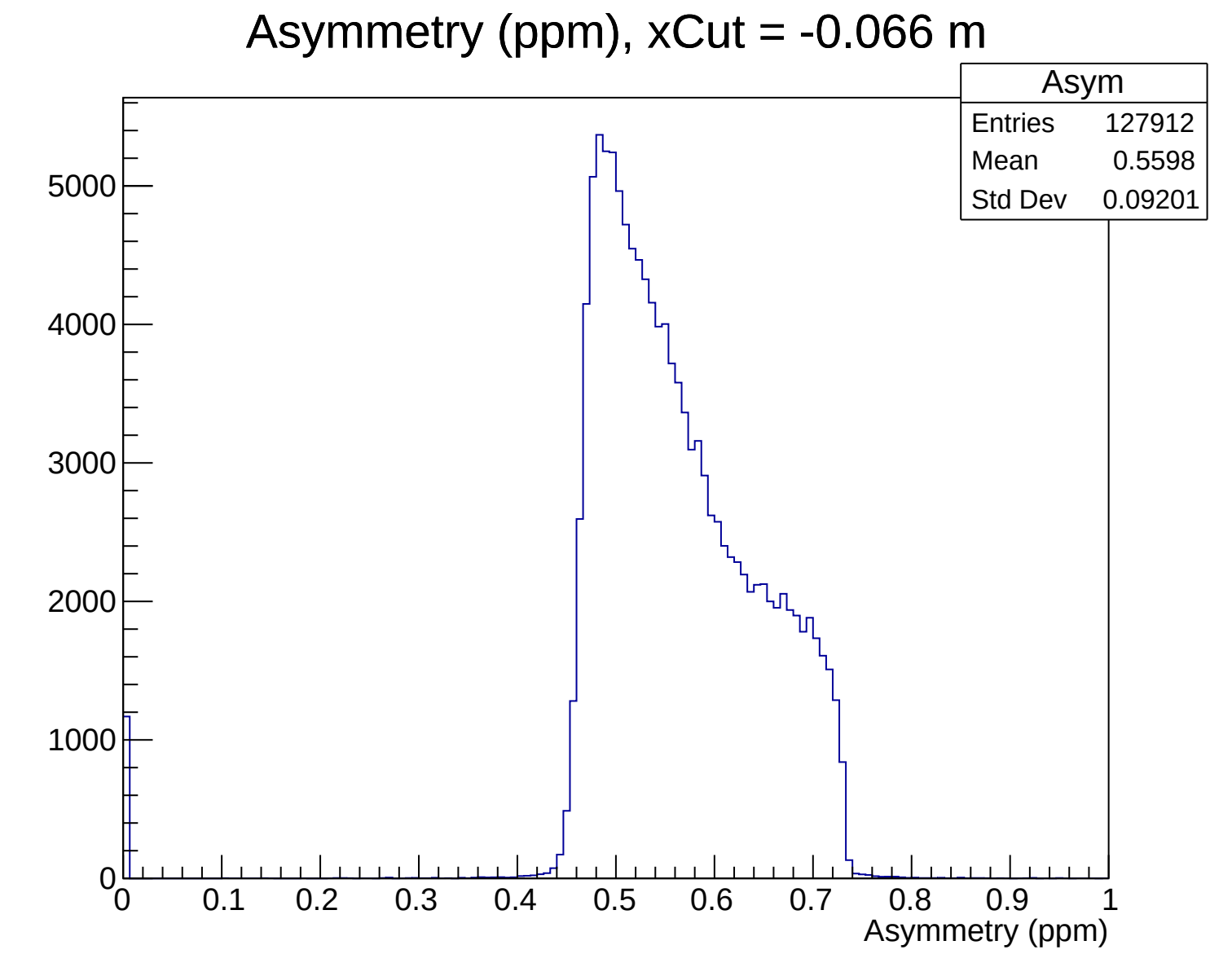

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

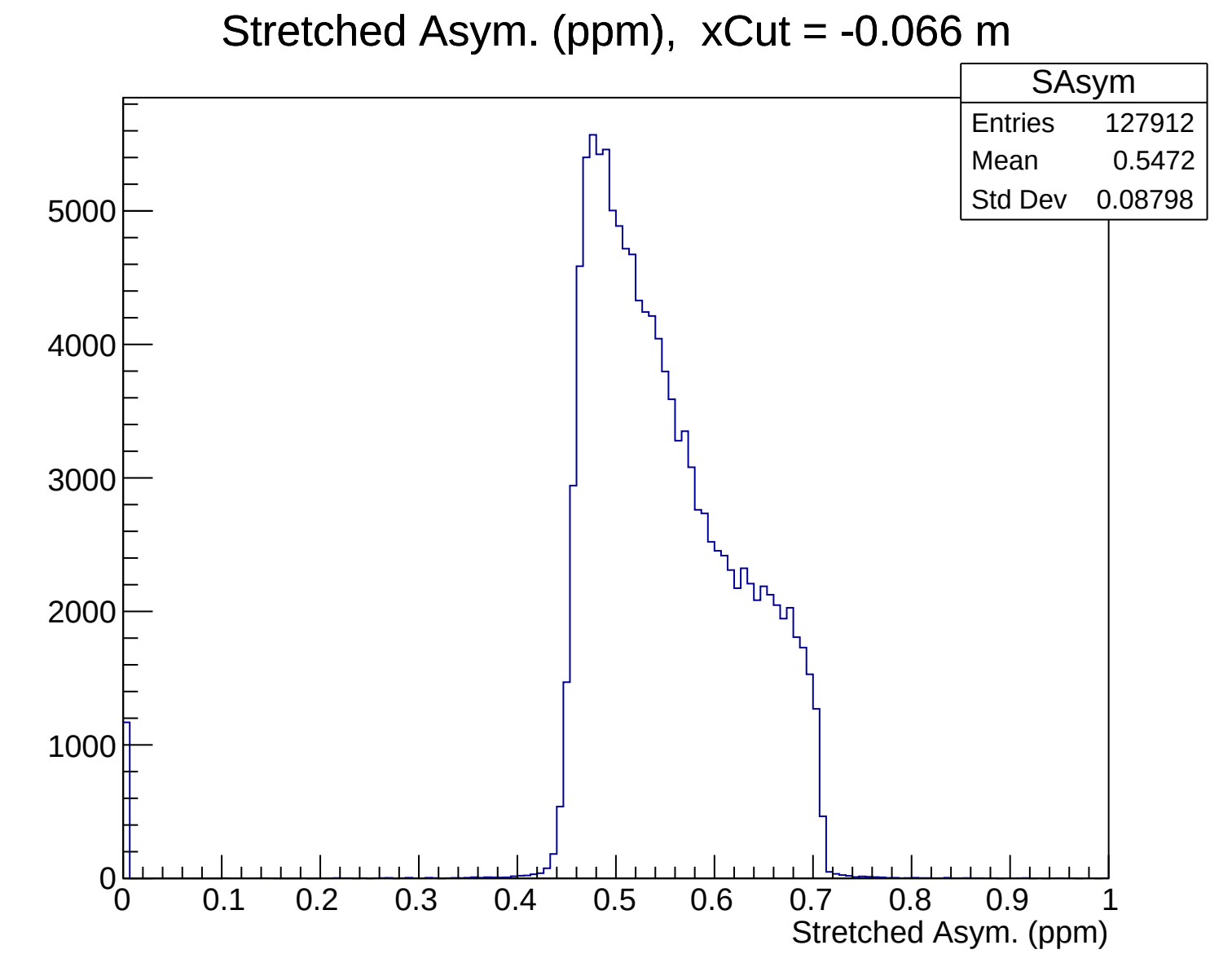

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

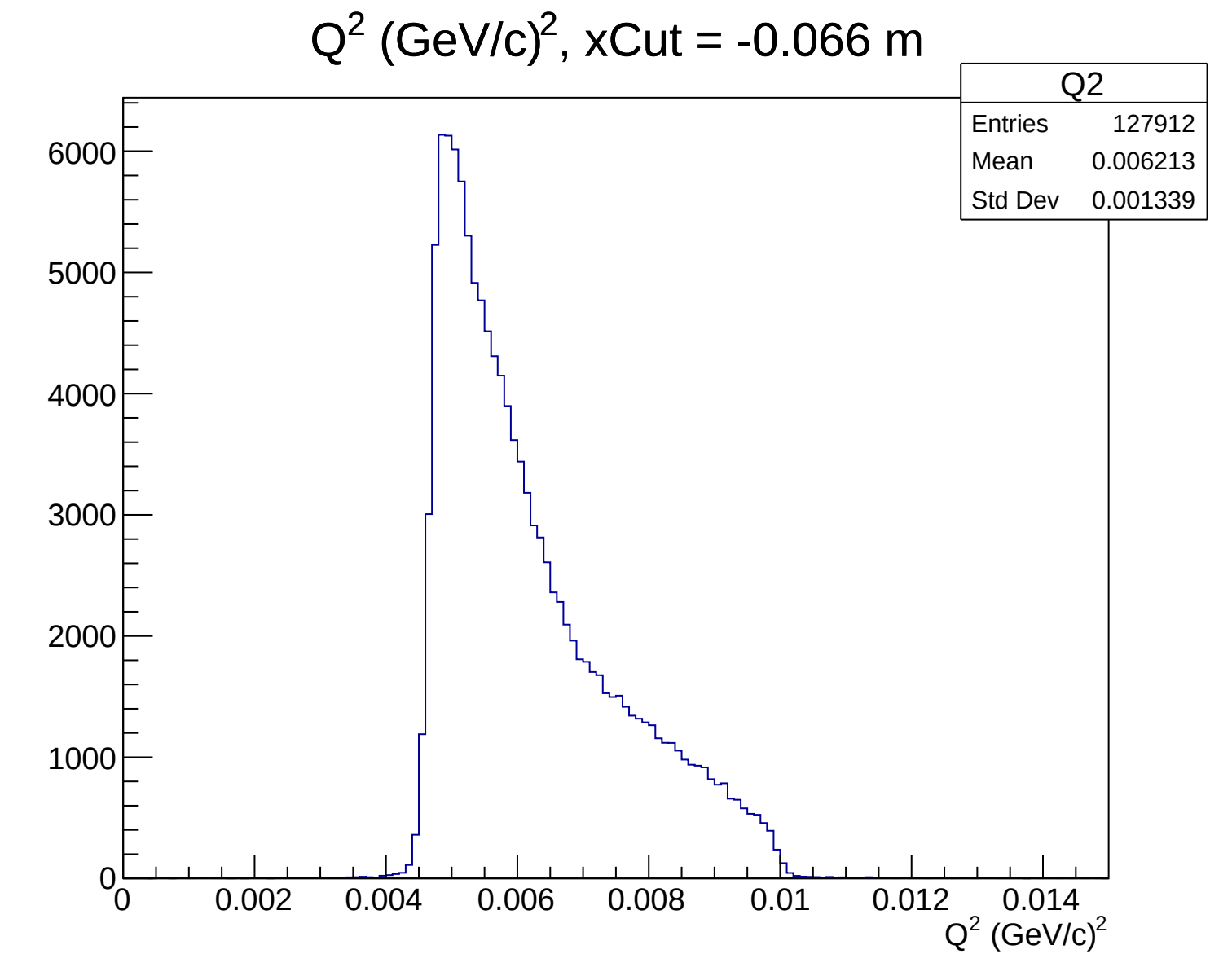

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

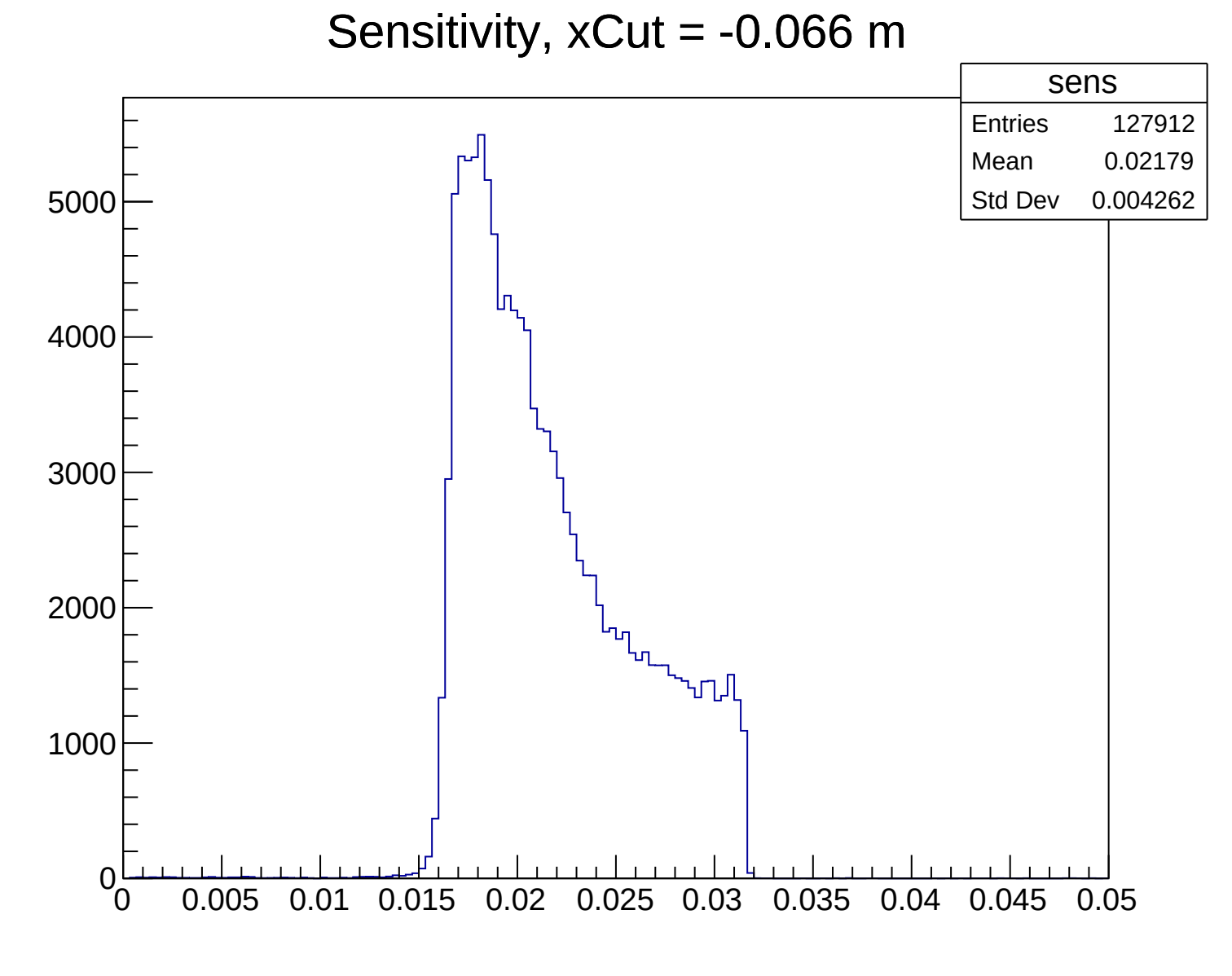

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

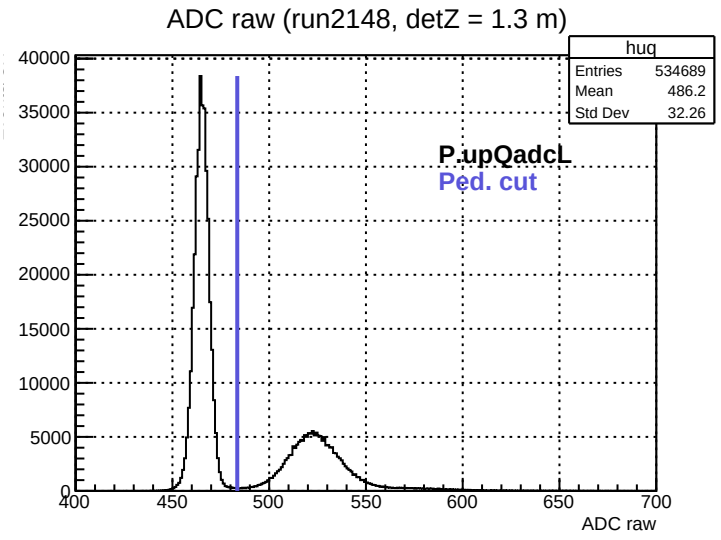

θlab (deg), xCut = -0.066 m
Theta
Entries 127912
Mean 4.74
Std Dev 0.4966
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

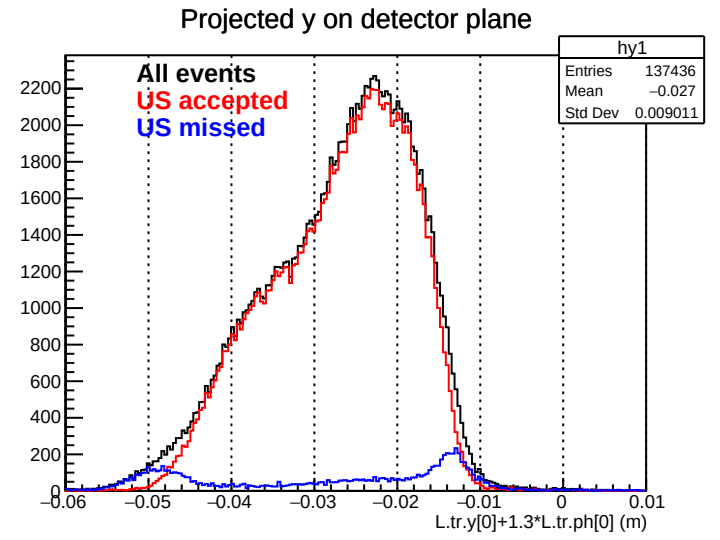

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 127912
Mean 0.5598
Std Dev 0.09201
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

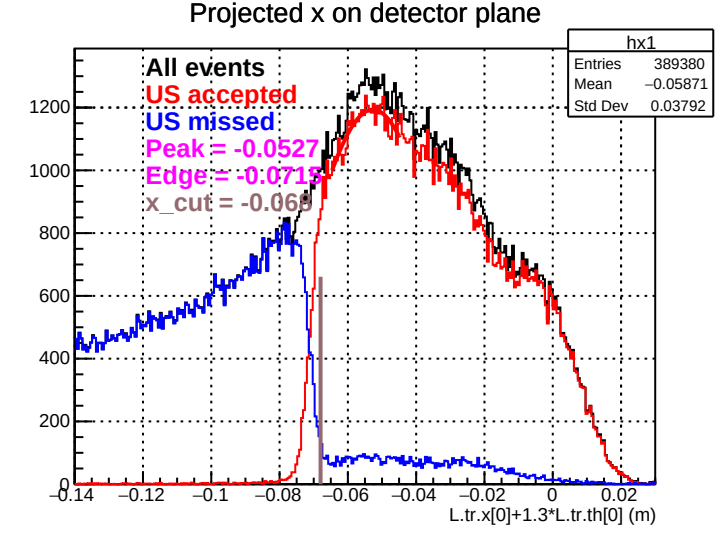

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 127912
Mean 0.5472
Std Dev 0.08798
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

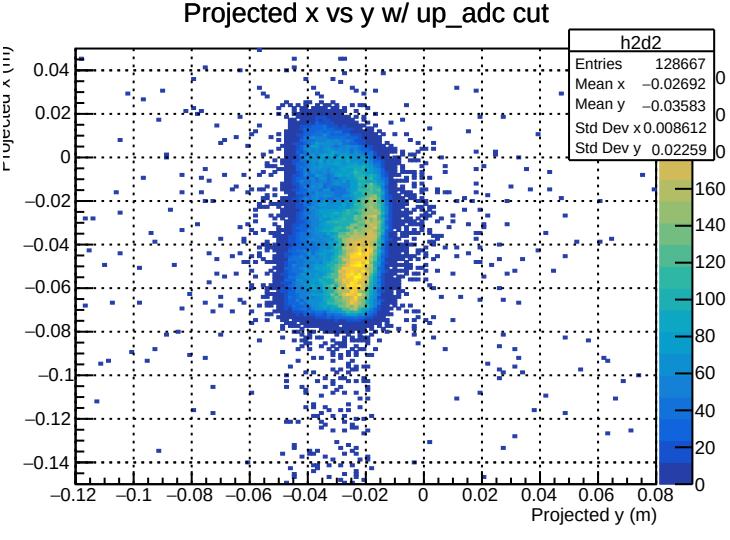

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 127912
Mean 0.006213
Std Dev 0.001339
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

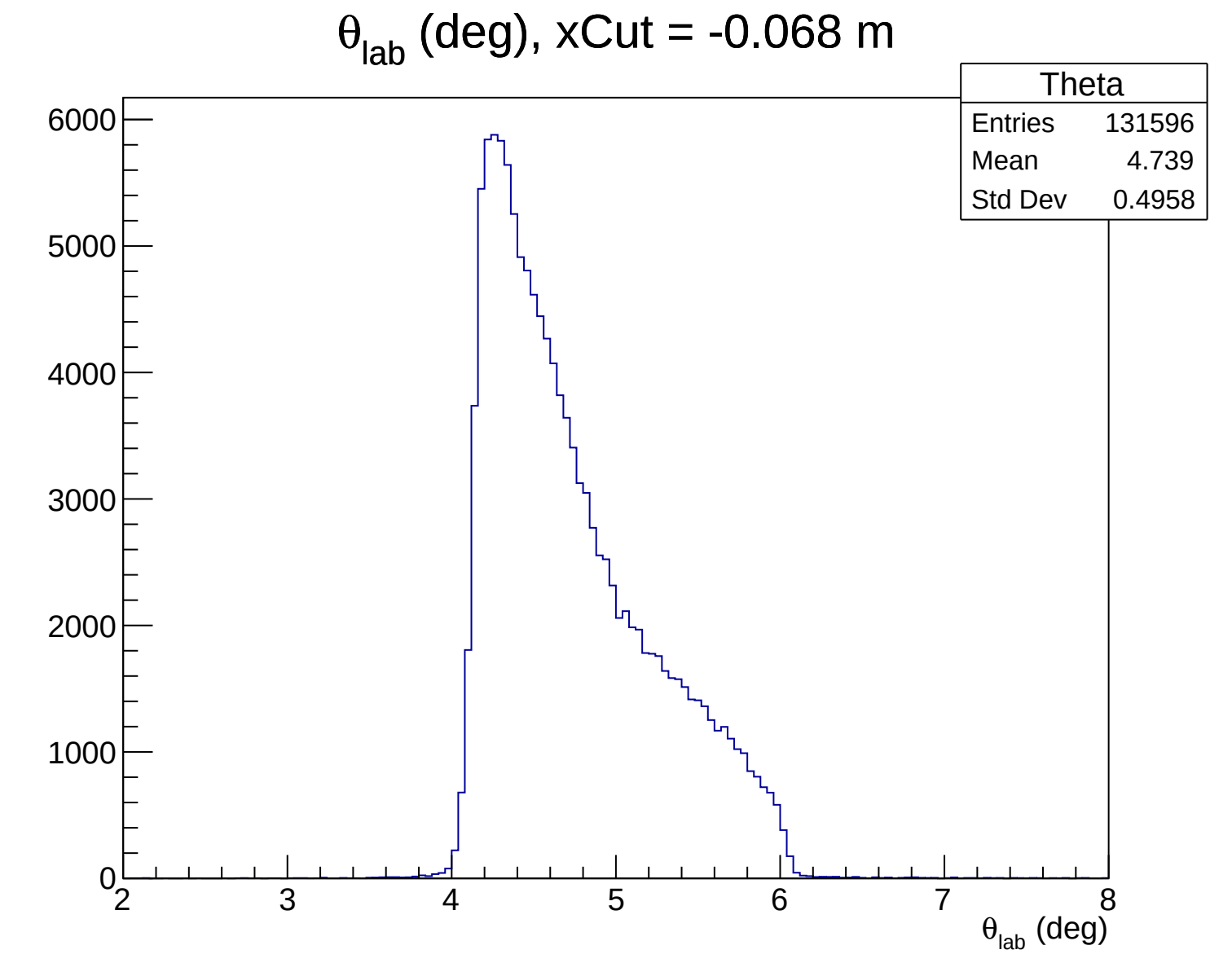

Sensitivity, xCut = -0.066 m
sens
Entries 127912
Mean 0.02179
Std Dev 0.004262
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

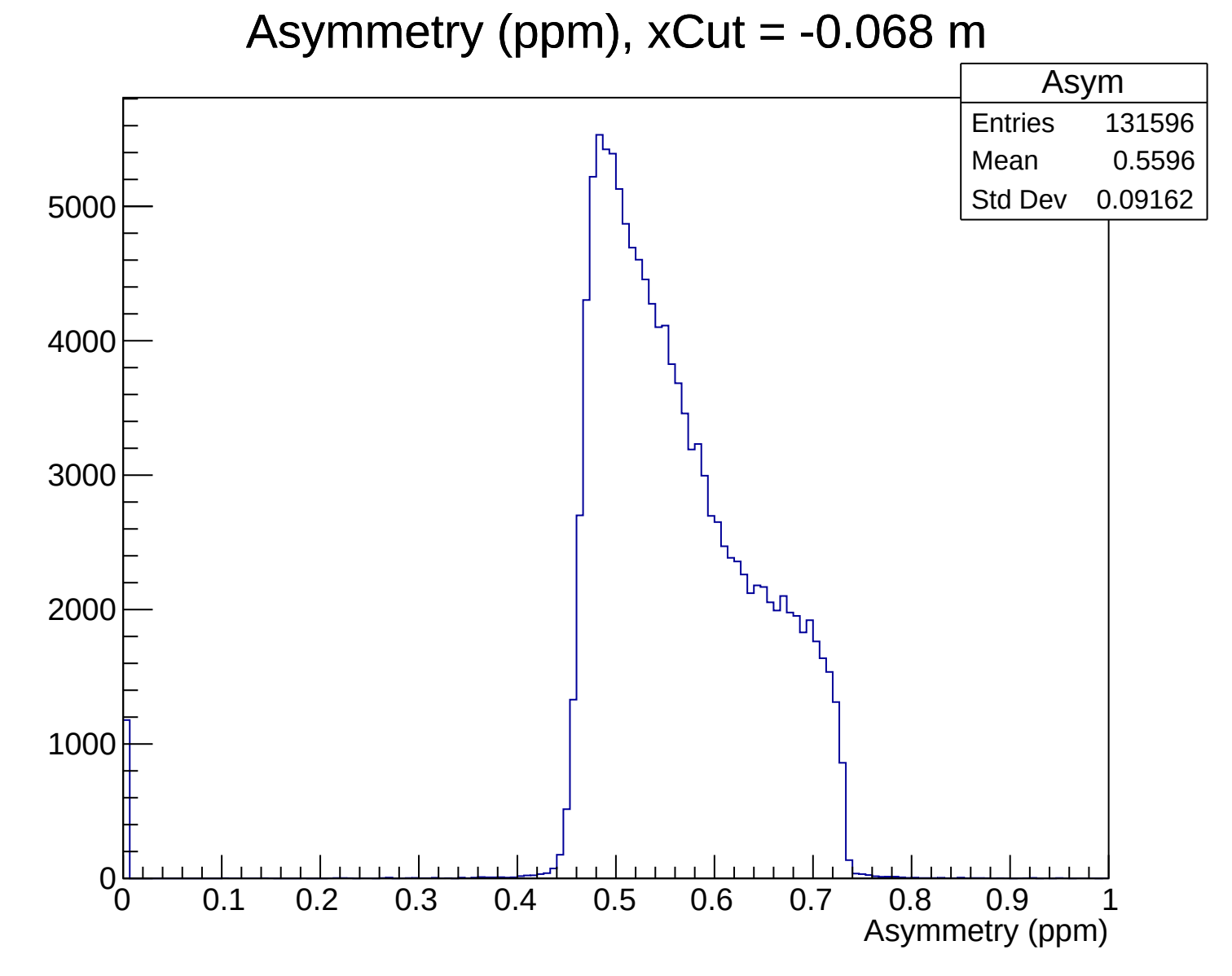

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

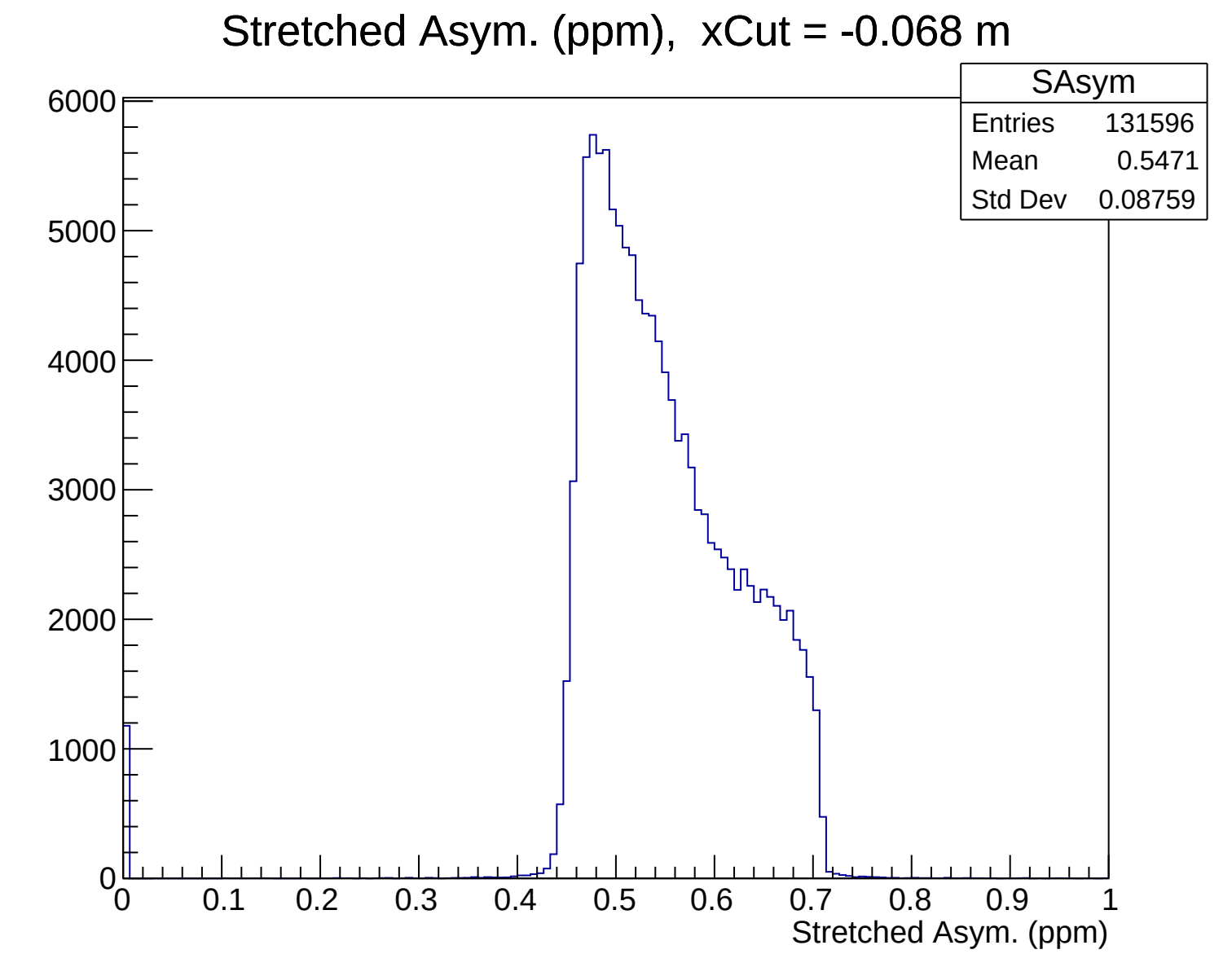

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

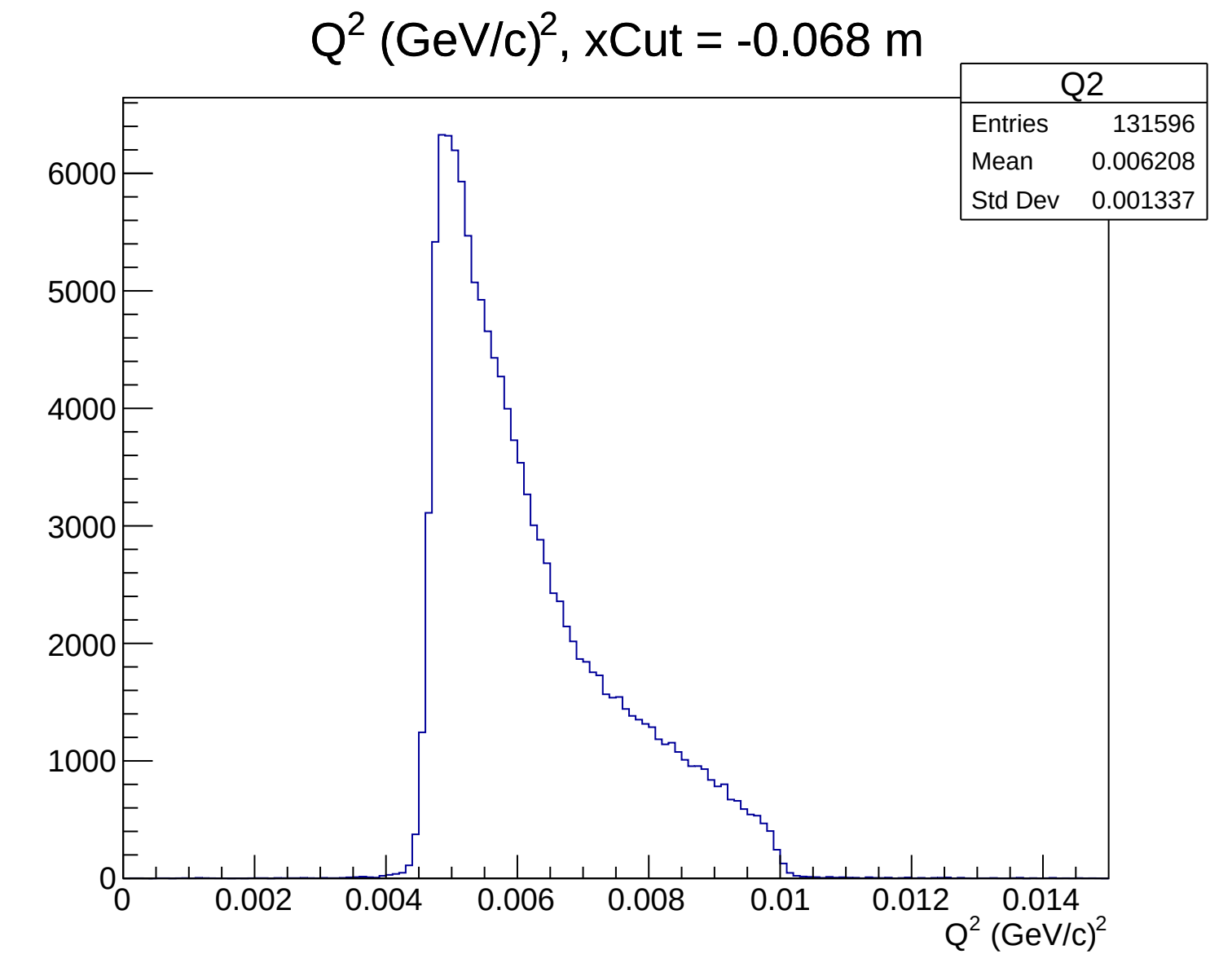

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

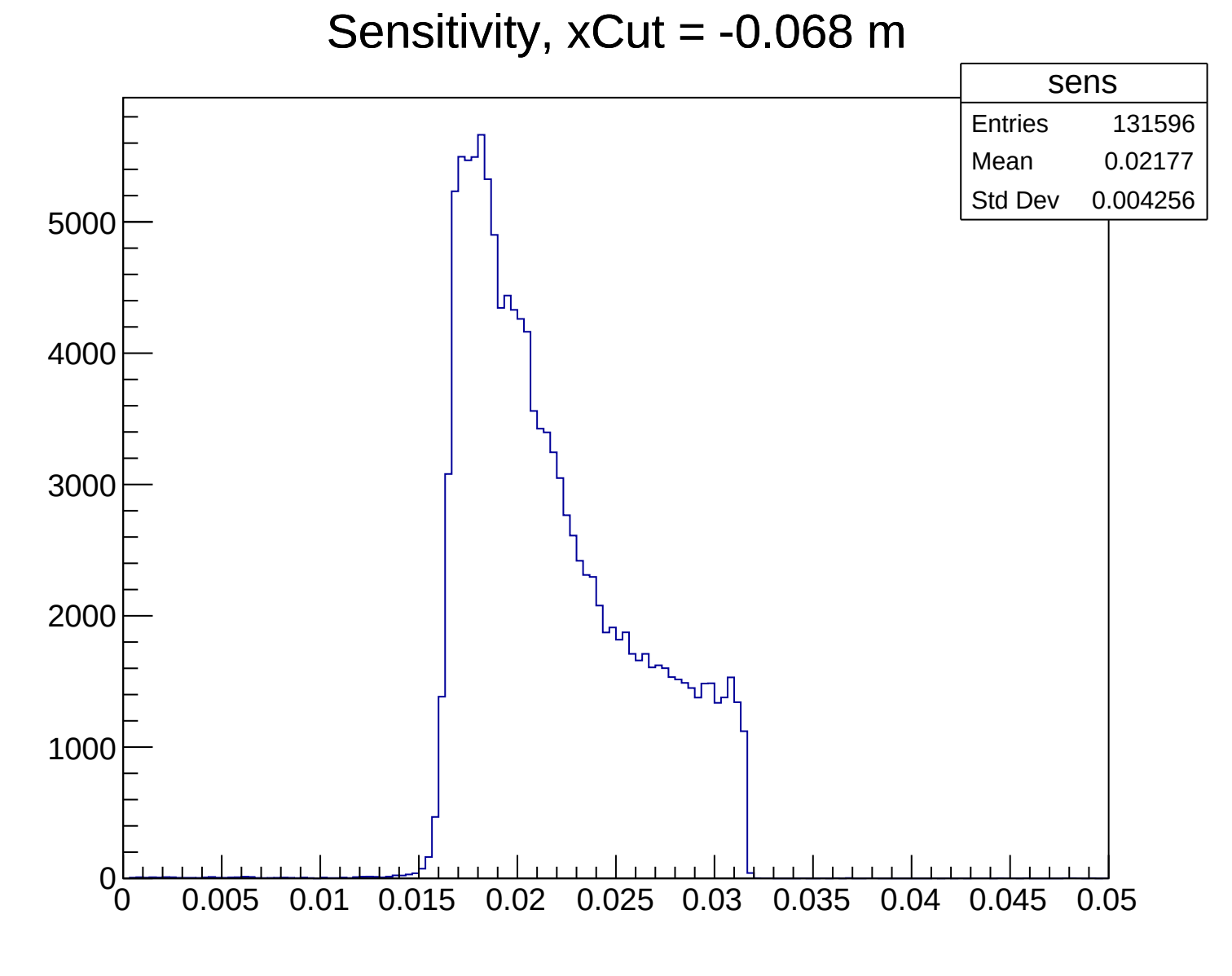

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

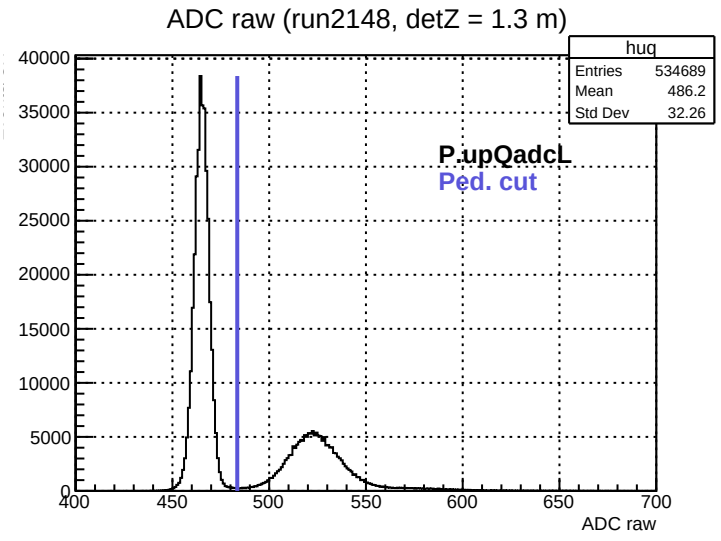

θlab (deg), xCut = -0.068 m
Theta
Entries 131596
Mean 4.739
Std Dev 0.4958
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

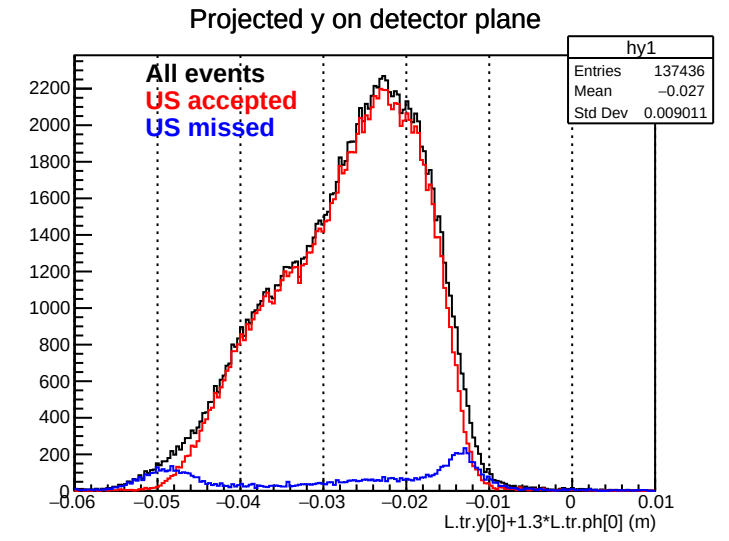

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 131596
Mean 0.5596
Std Dev 0.09162
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

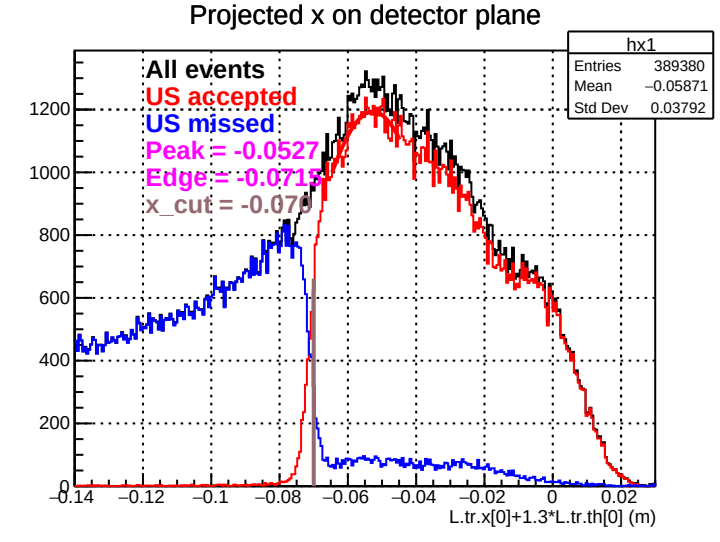

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 131596
Mean 0.5471
Std Dev 0.08759
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

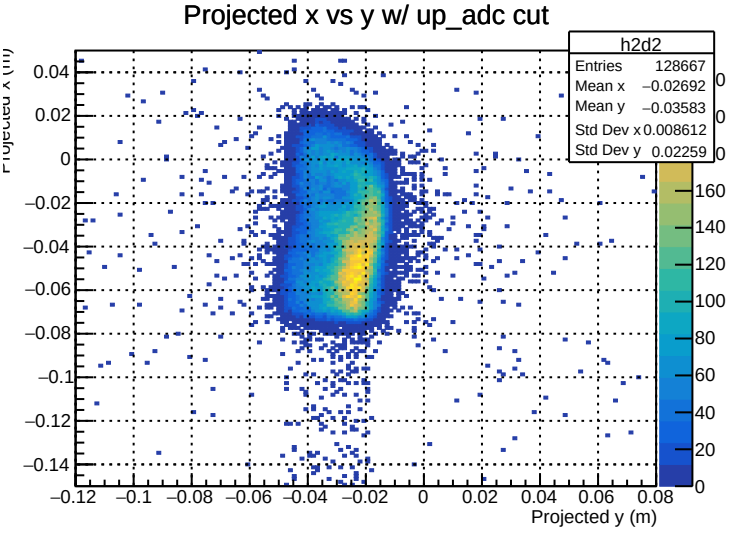

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 131596
Mean 0.006208
Std Dev 0.001337
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

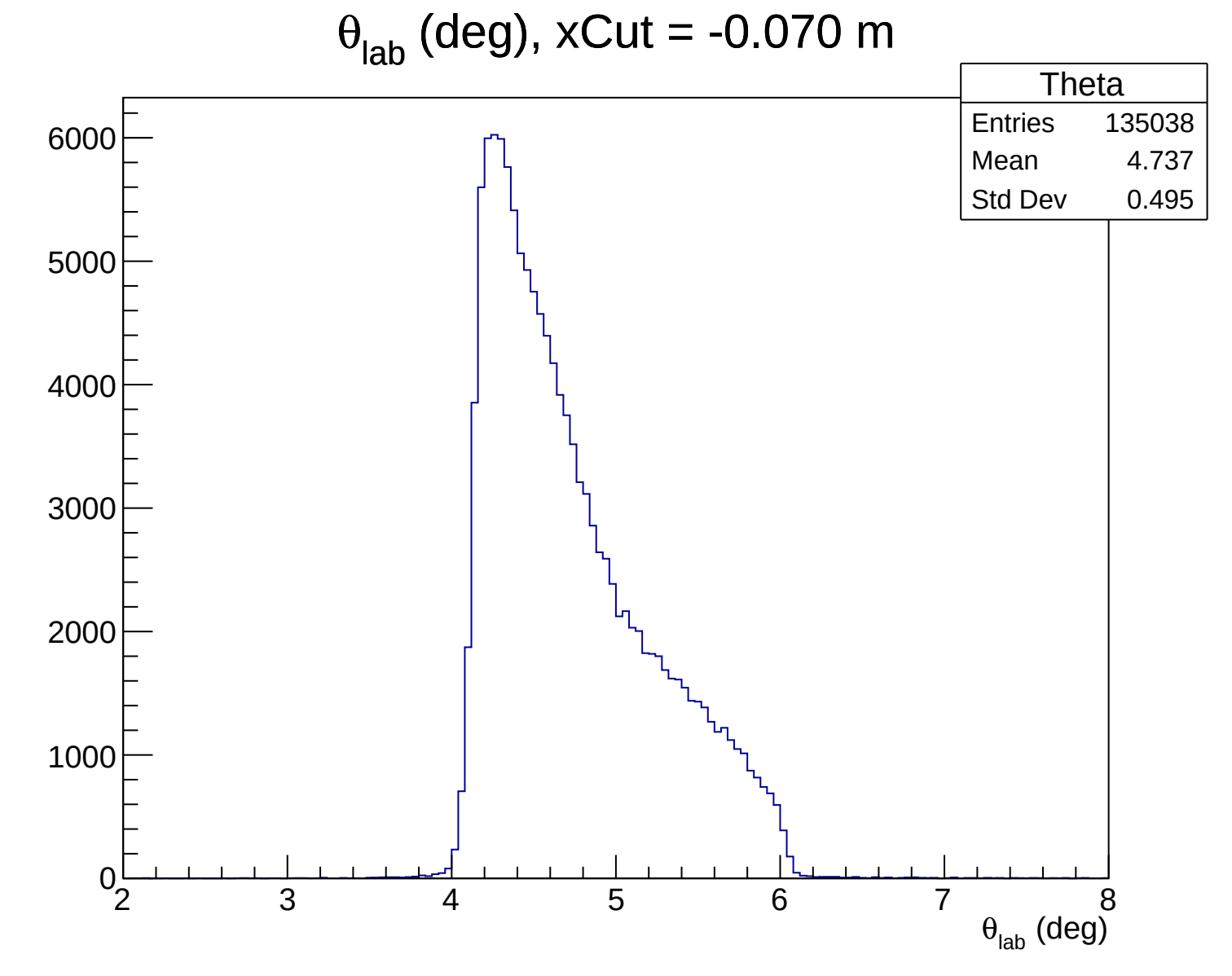

Sensitivity, xCut = -0.068 m
sens
Entries 131596
Mean 0.02177
Std Dev 0.004256
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

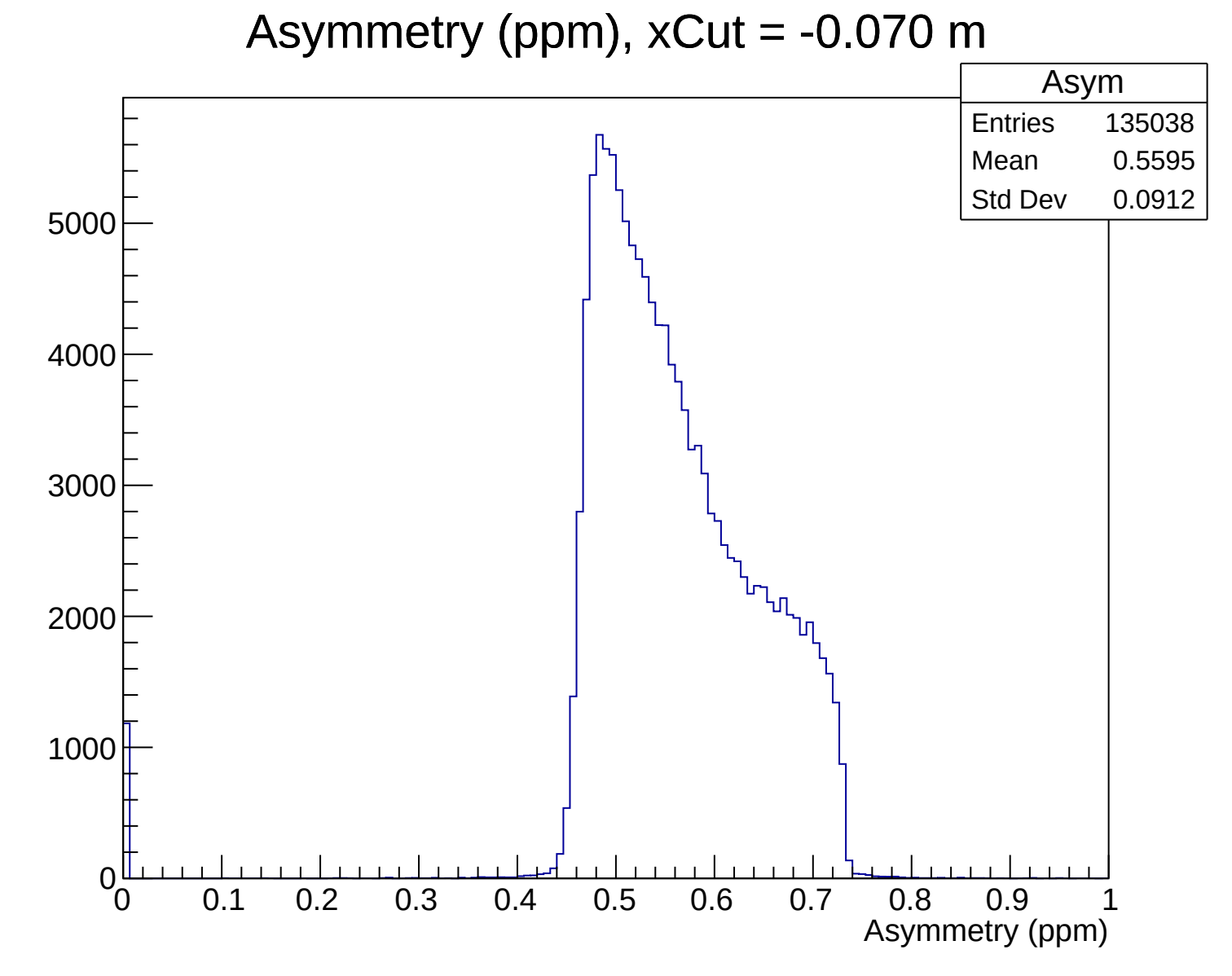

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

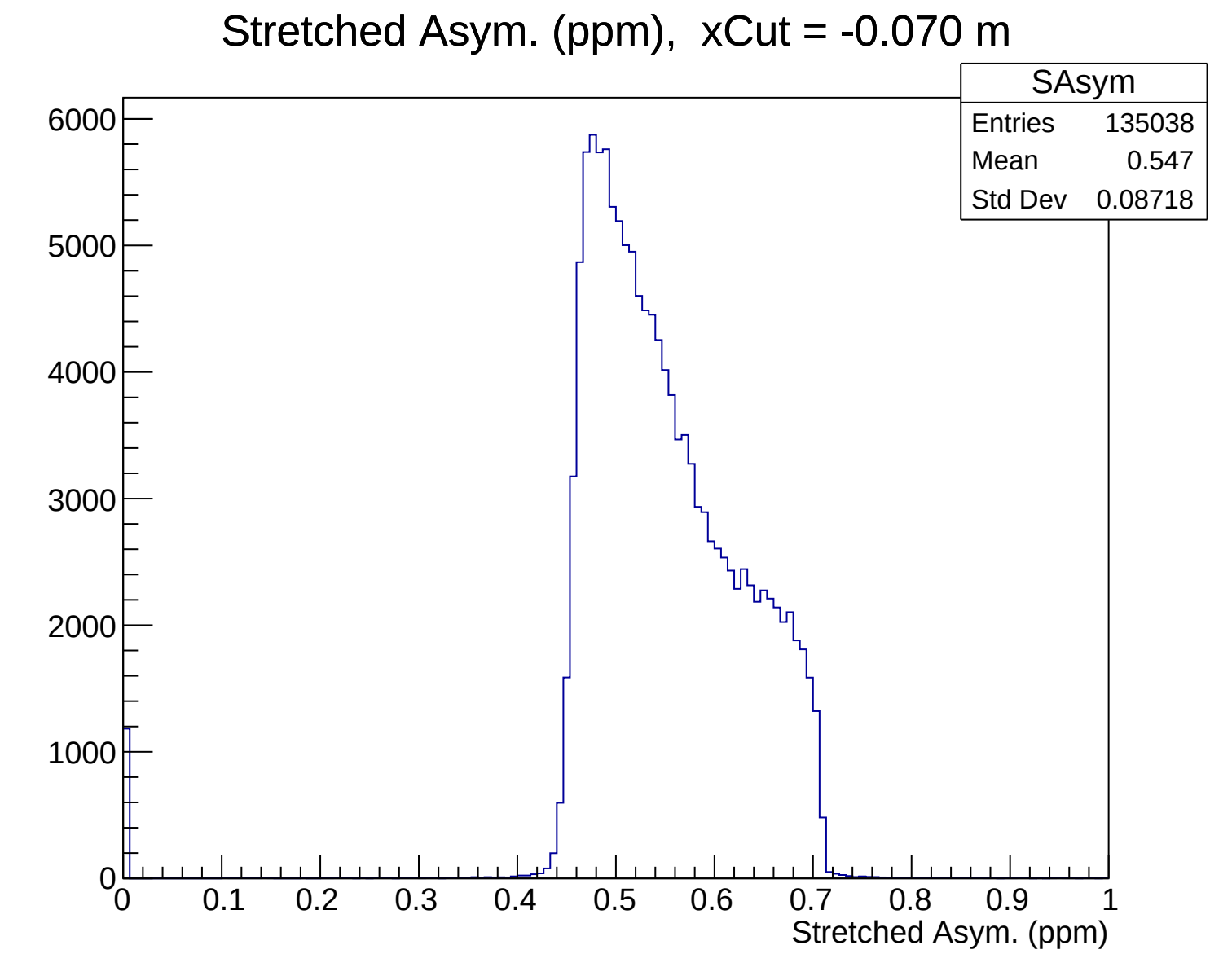

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

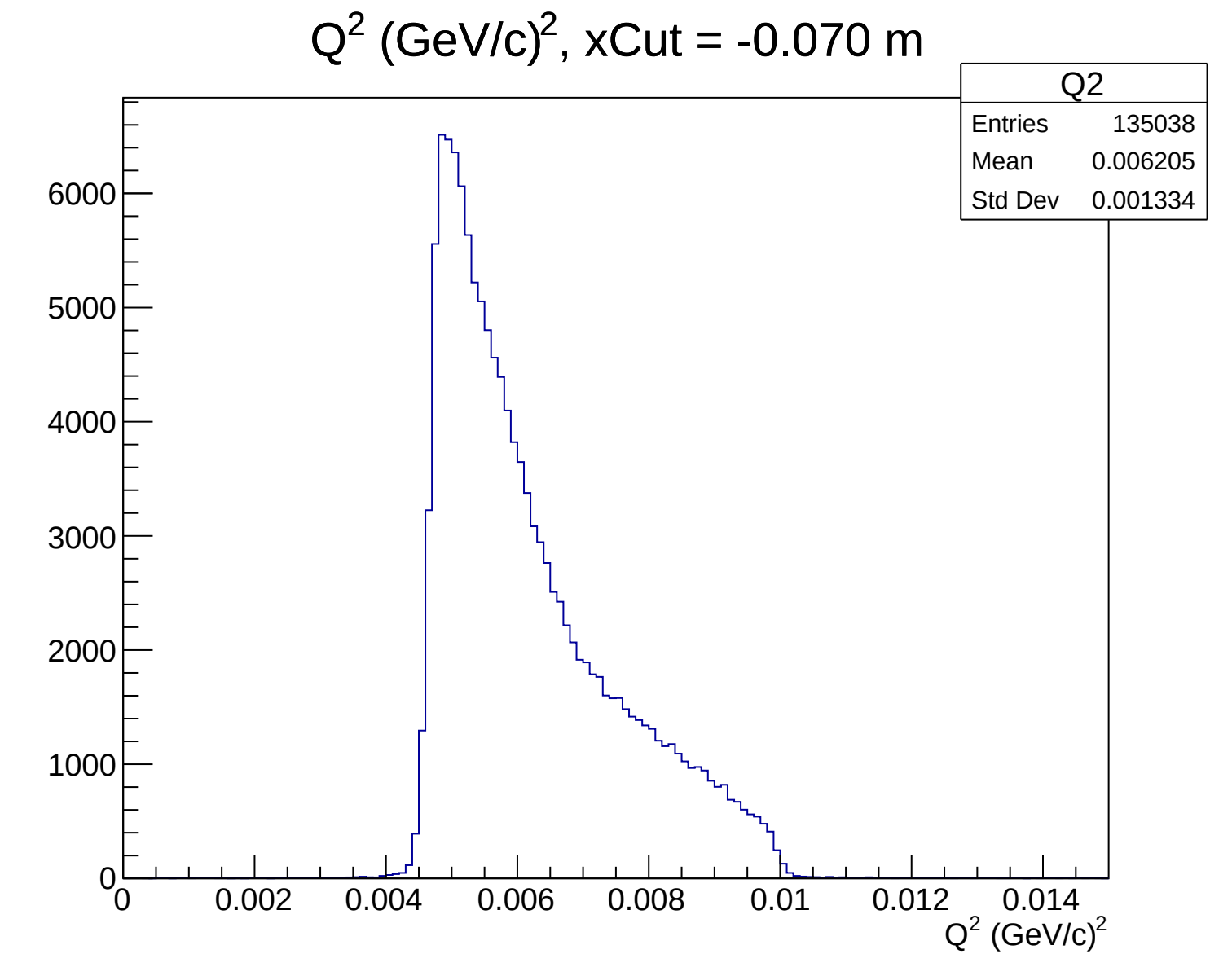

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

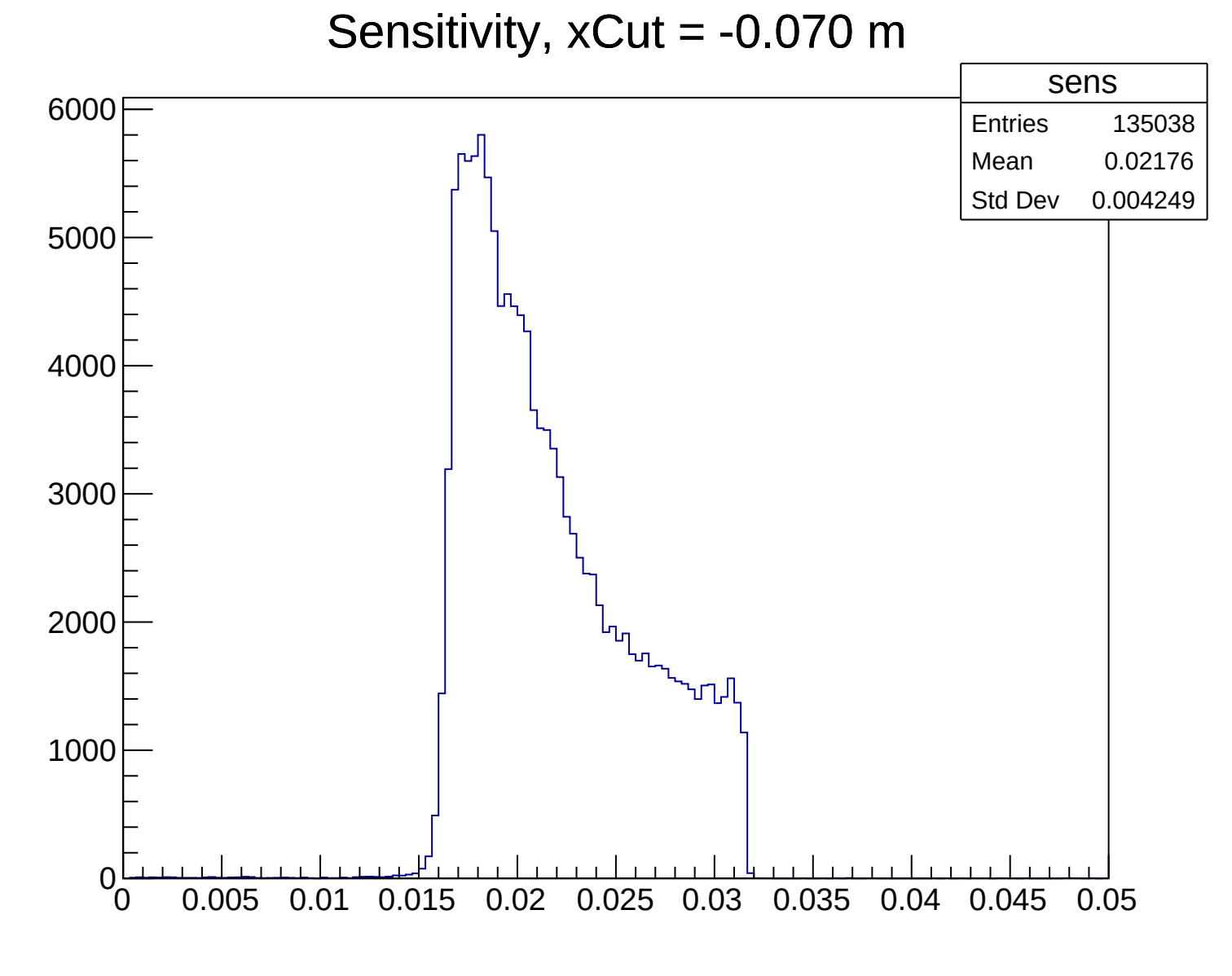

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

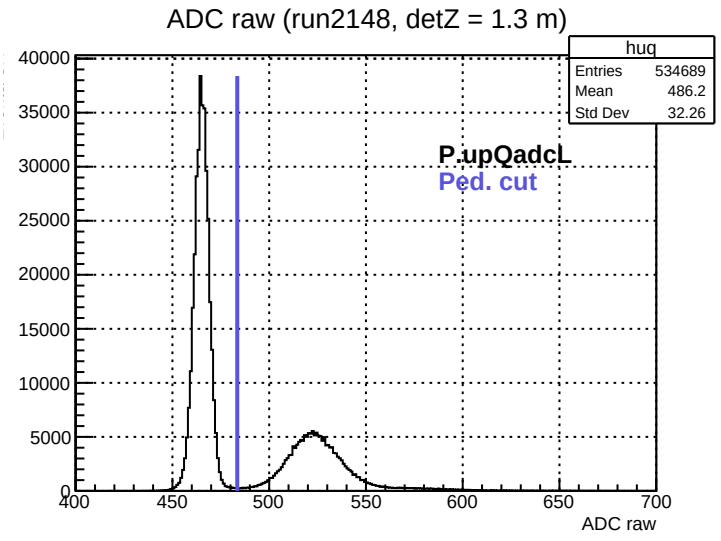

θlab (deg), xCut = -0.070 m
Theta
Entries 135038
Mean 4.737
Std Dev 0.495
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

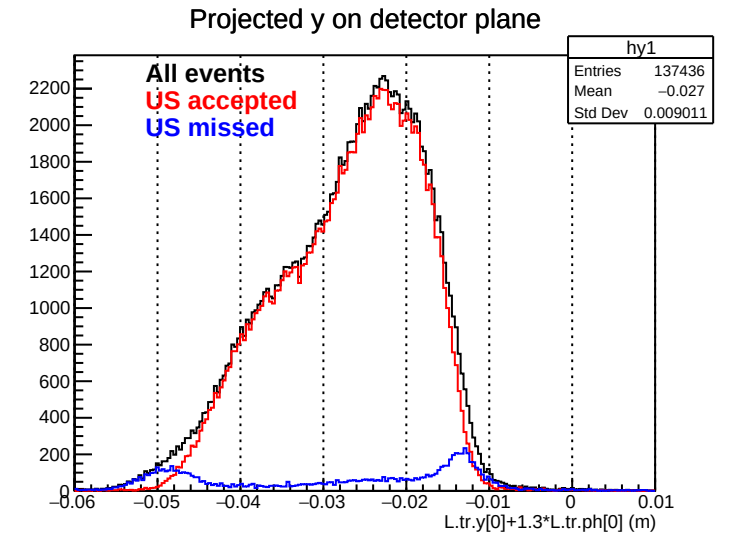

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 135038
Mean 0.5595
Std Dev 0.0912
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

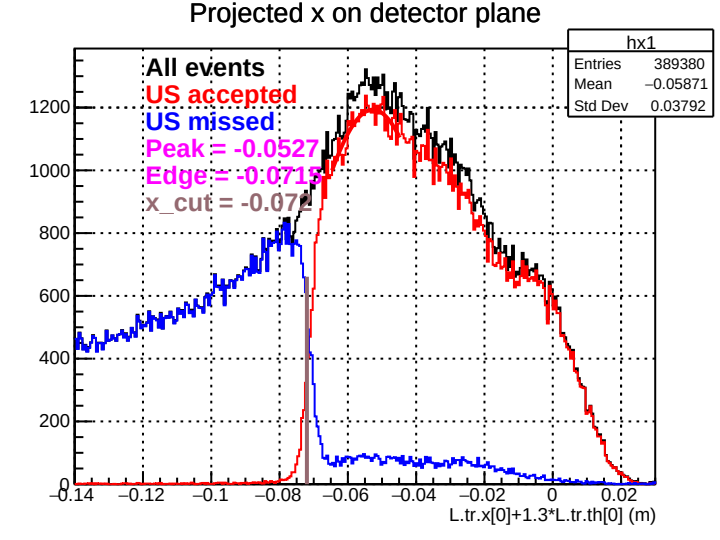

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 135038
Mean 0.547
Std Dev 0.08718
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

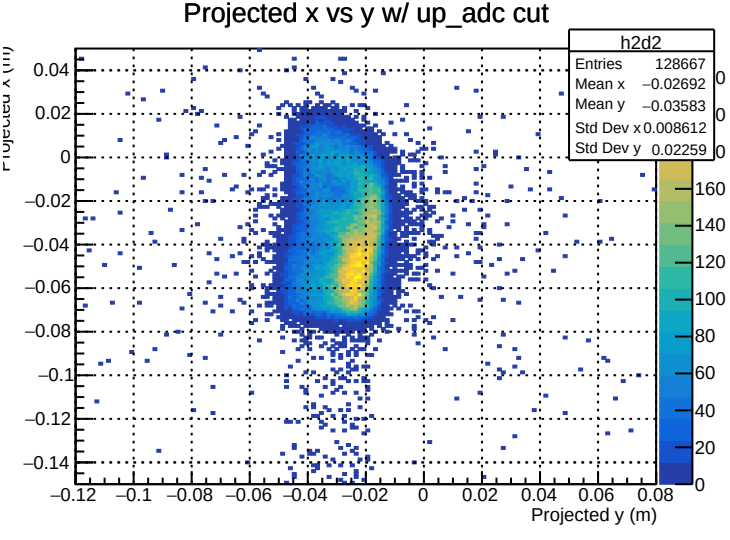

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 135038
Mean 0.006205
Std Dev 0.001334
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

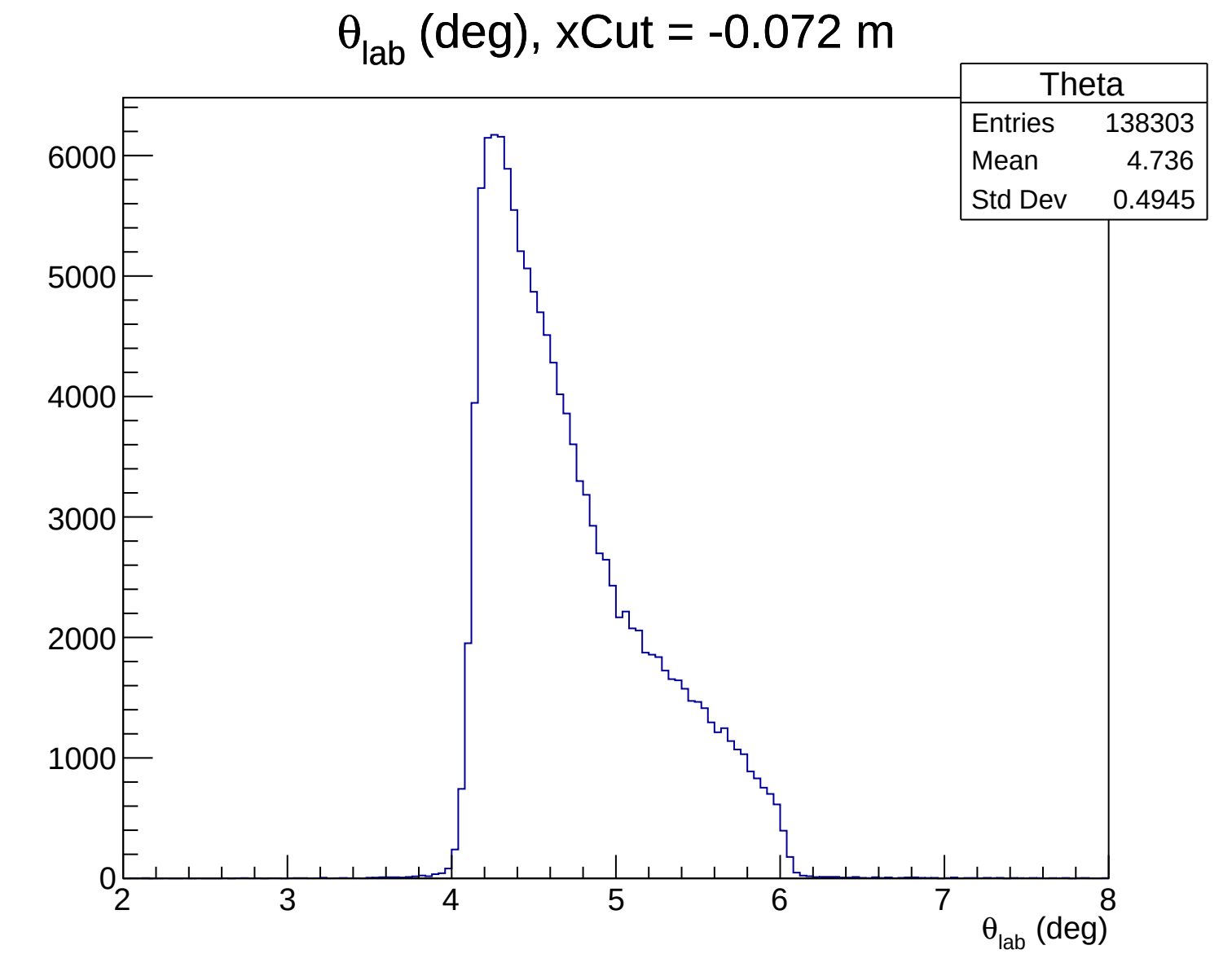

Sensitivity, xCut = -0.070 m
sens
Entries 135038
Mean 0.02176
Std Dev 0.004249
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

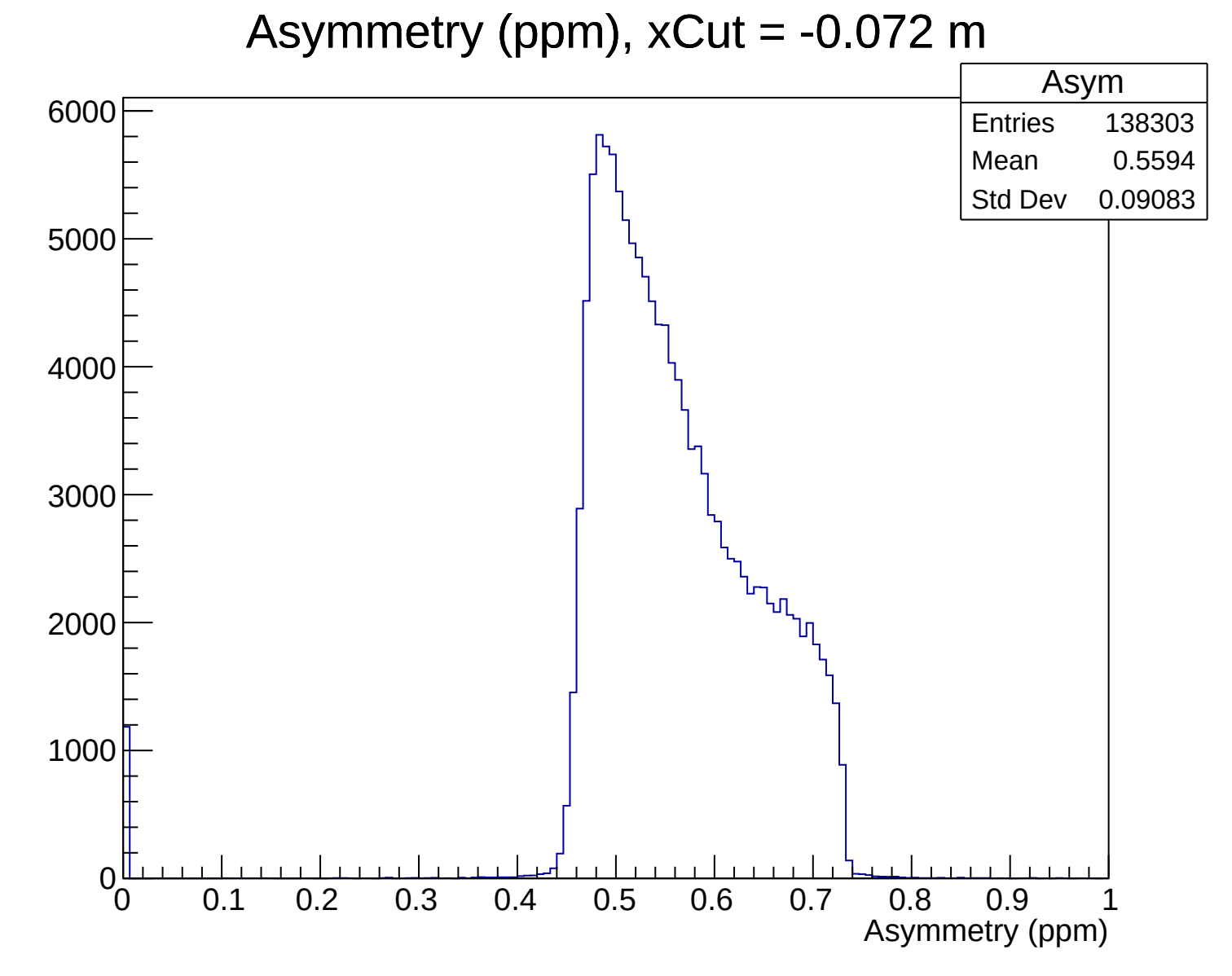

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

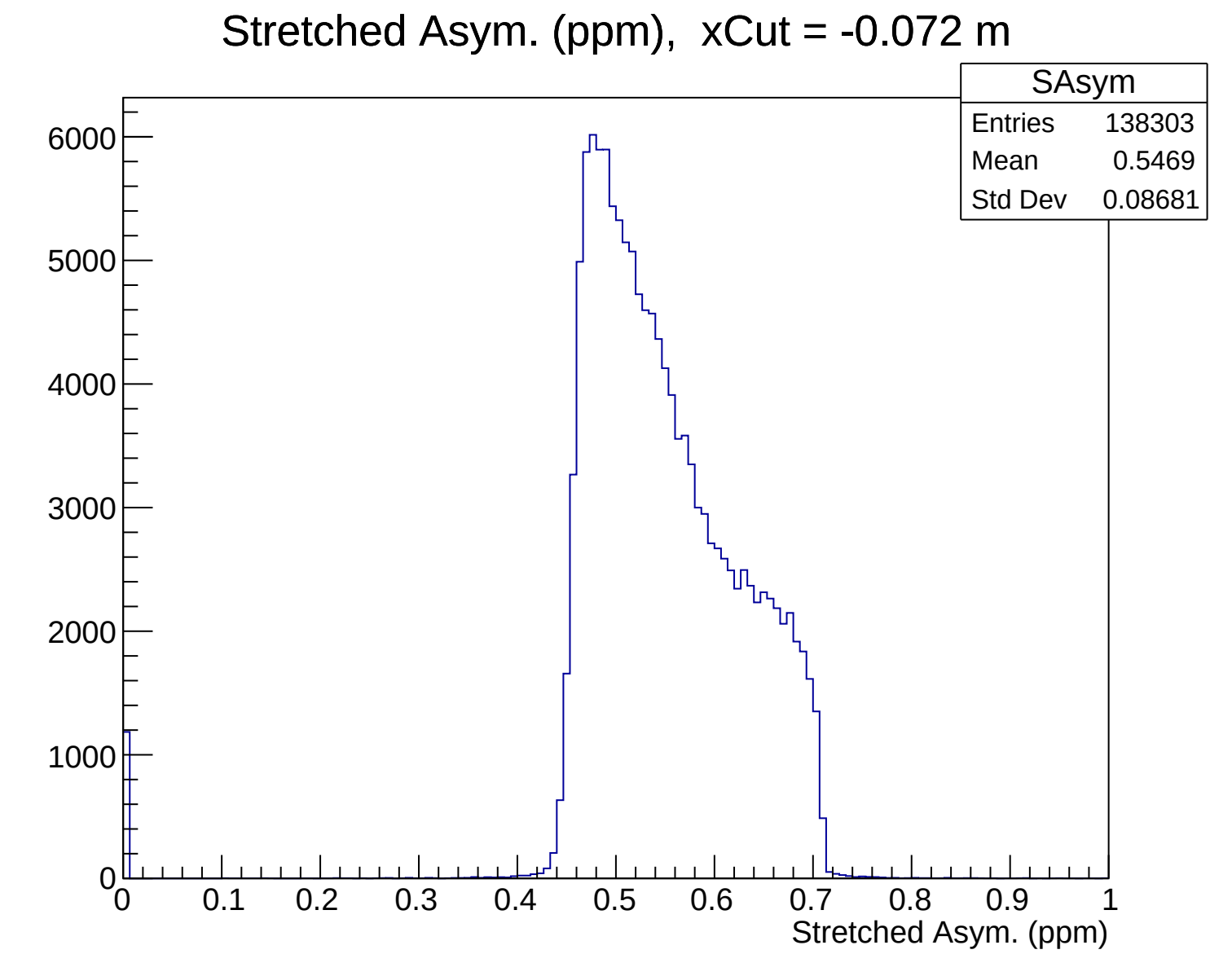

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

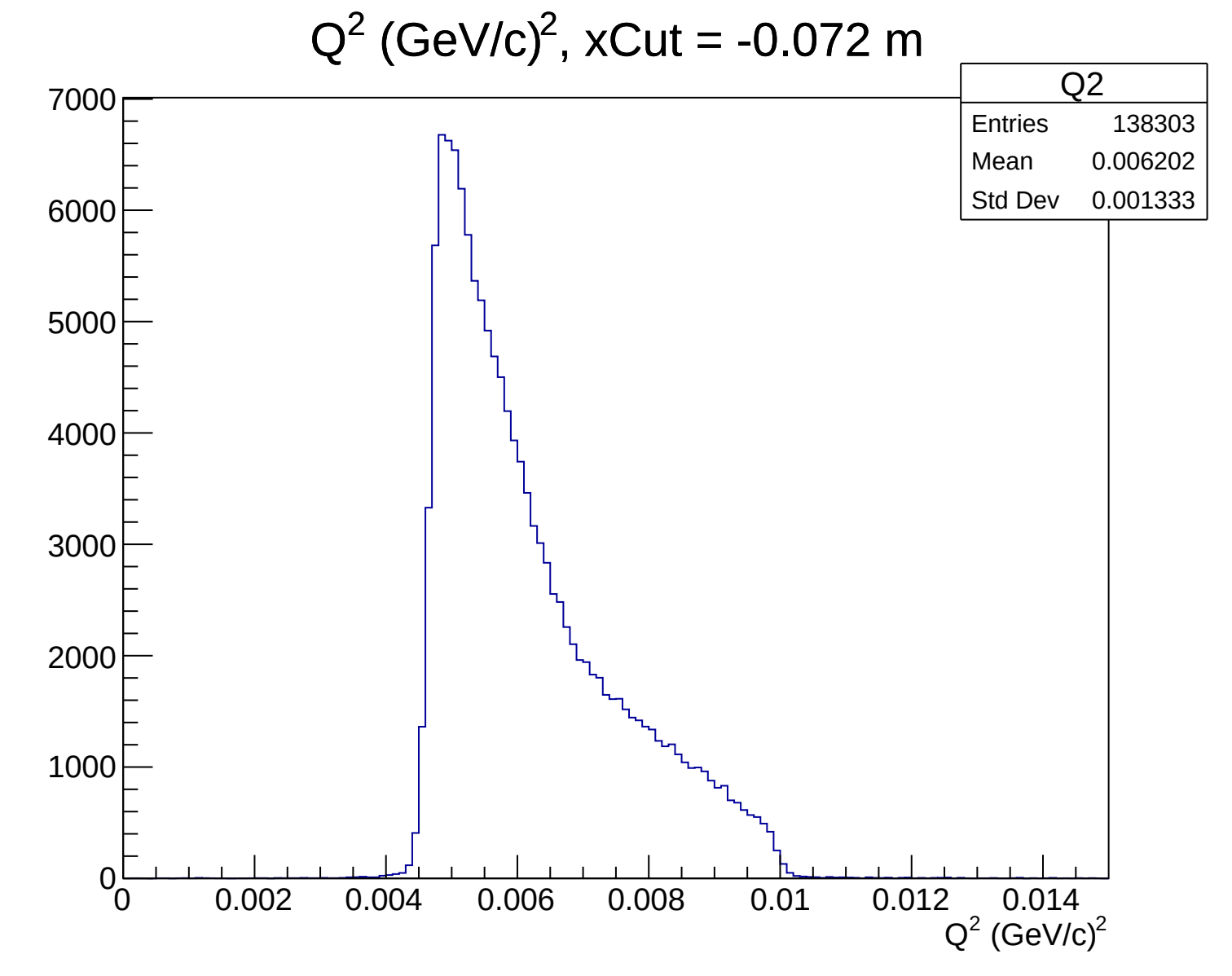

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.072
L.tr.x[0]+1.3*L.tr.th[0] (m)

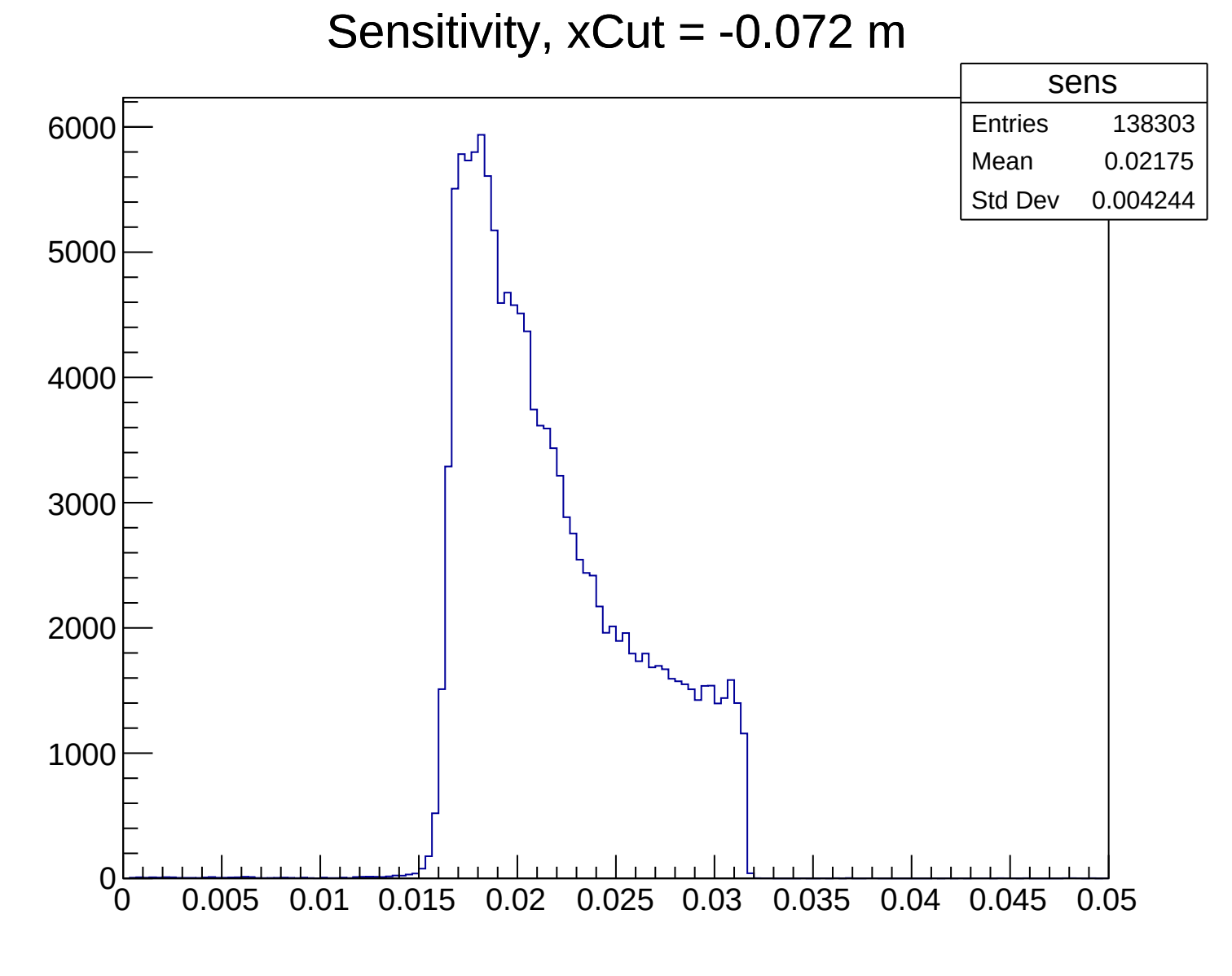

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

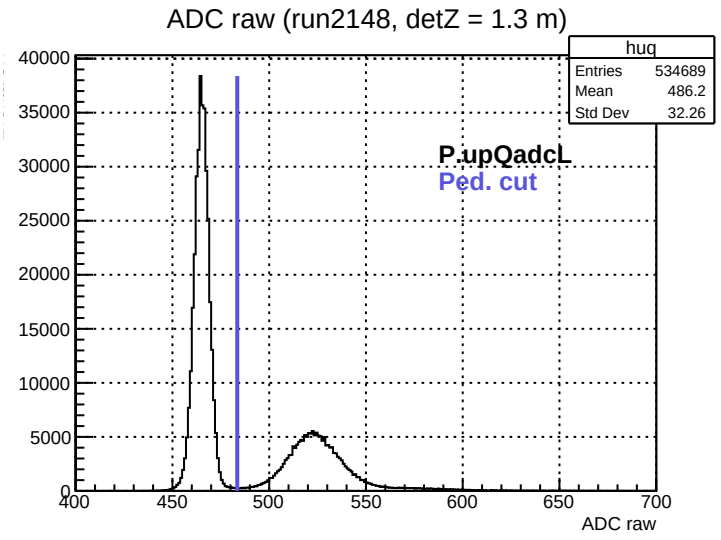

θlab (deg), xCut = -0.072 m
Theta
Entries 138303
Mean 4.736
Std Dev 0.4945
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

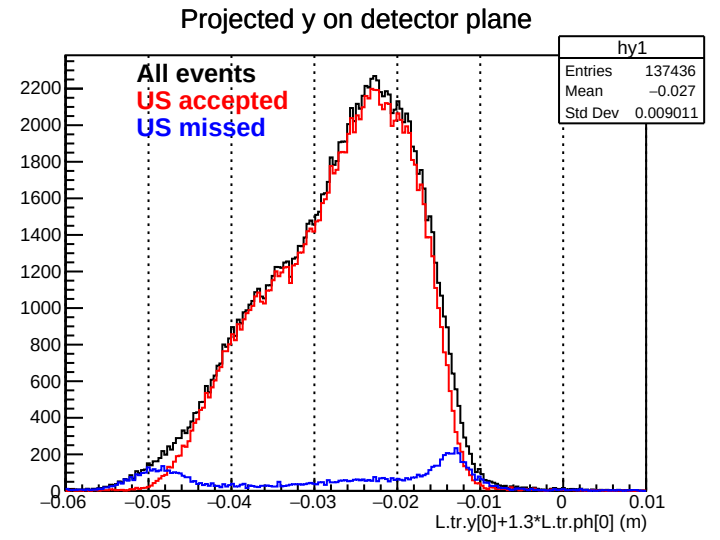

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 138303
Mean 0.5594
Std Dev 0.09083
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

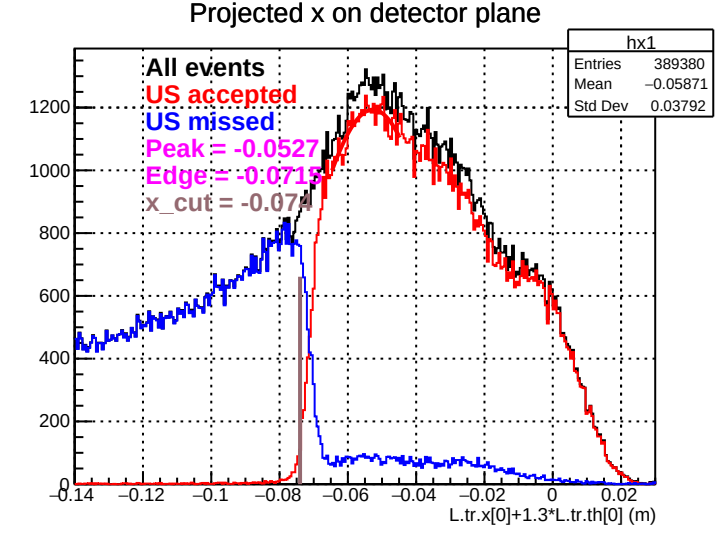

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 138303
Mean 0.5469
Std Dev 0.08681
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

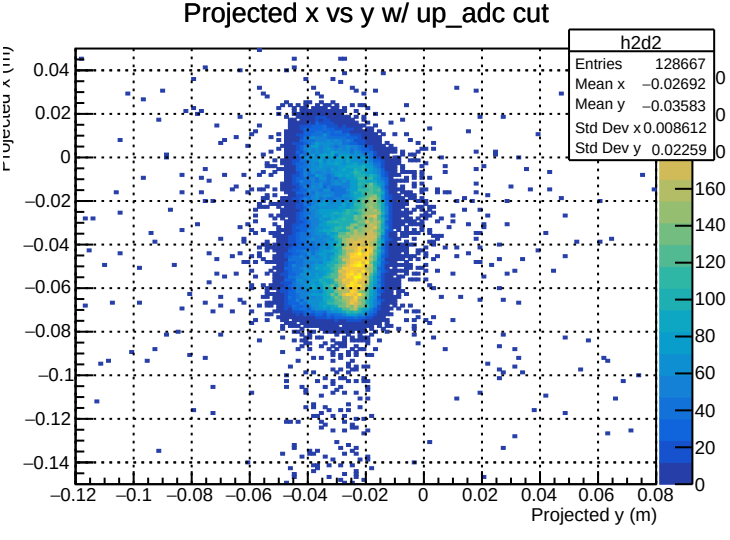

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 138303
Mean 0.006202
Std Dev 0.001333
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

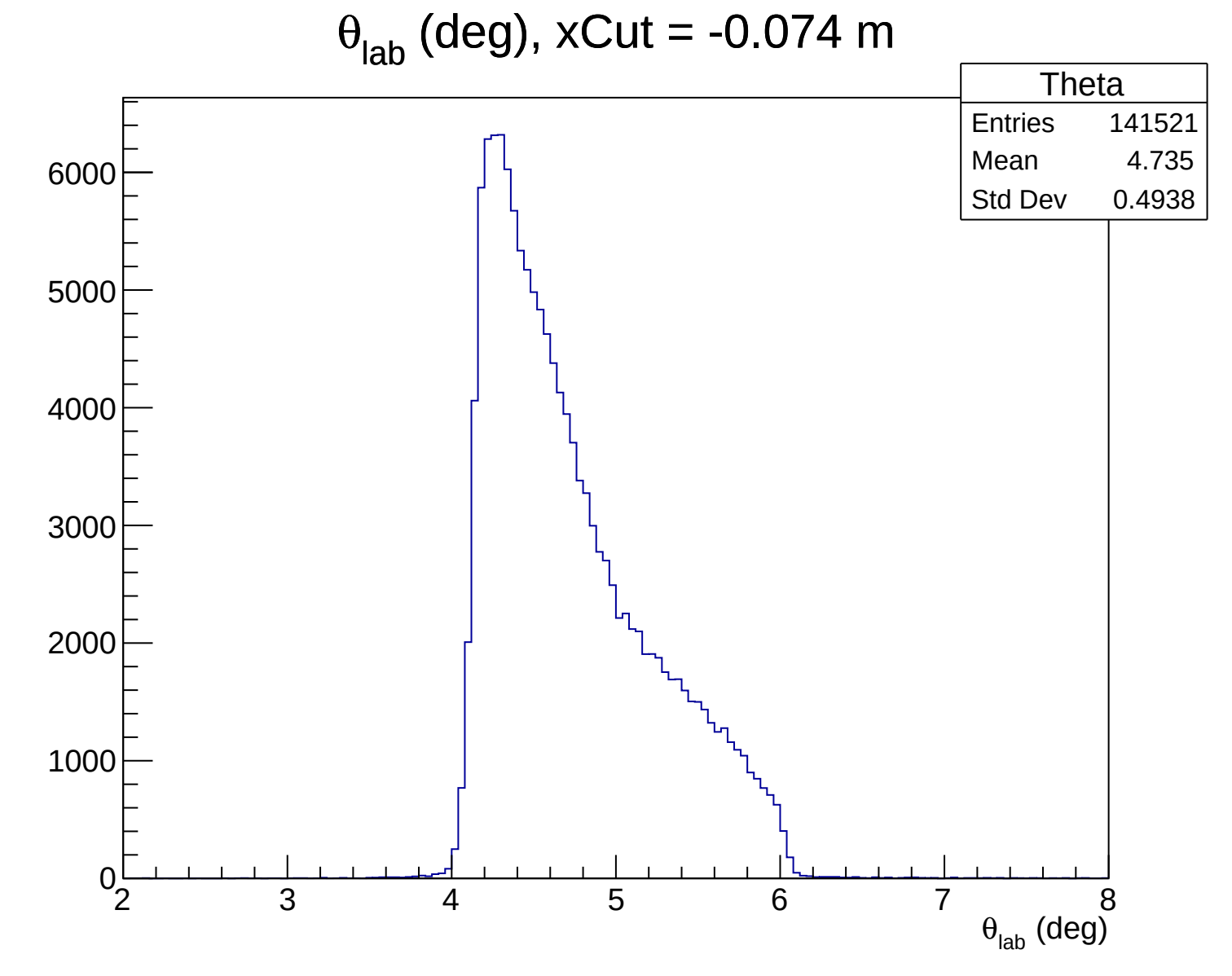

Sensitivity, xCut = -0.072 m
sens
Entries 138303
Mean 0.02175
Std Dev 0.004244
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

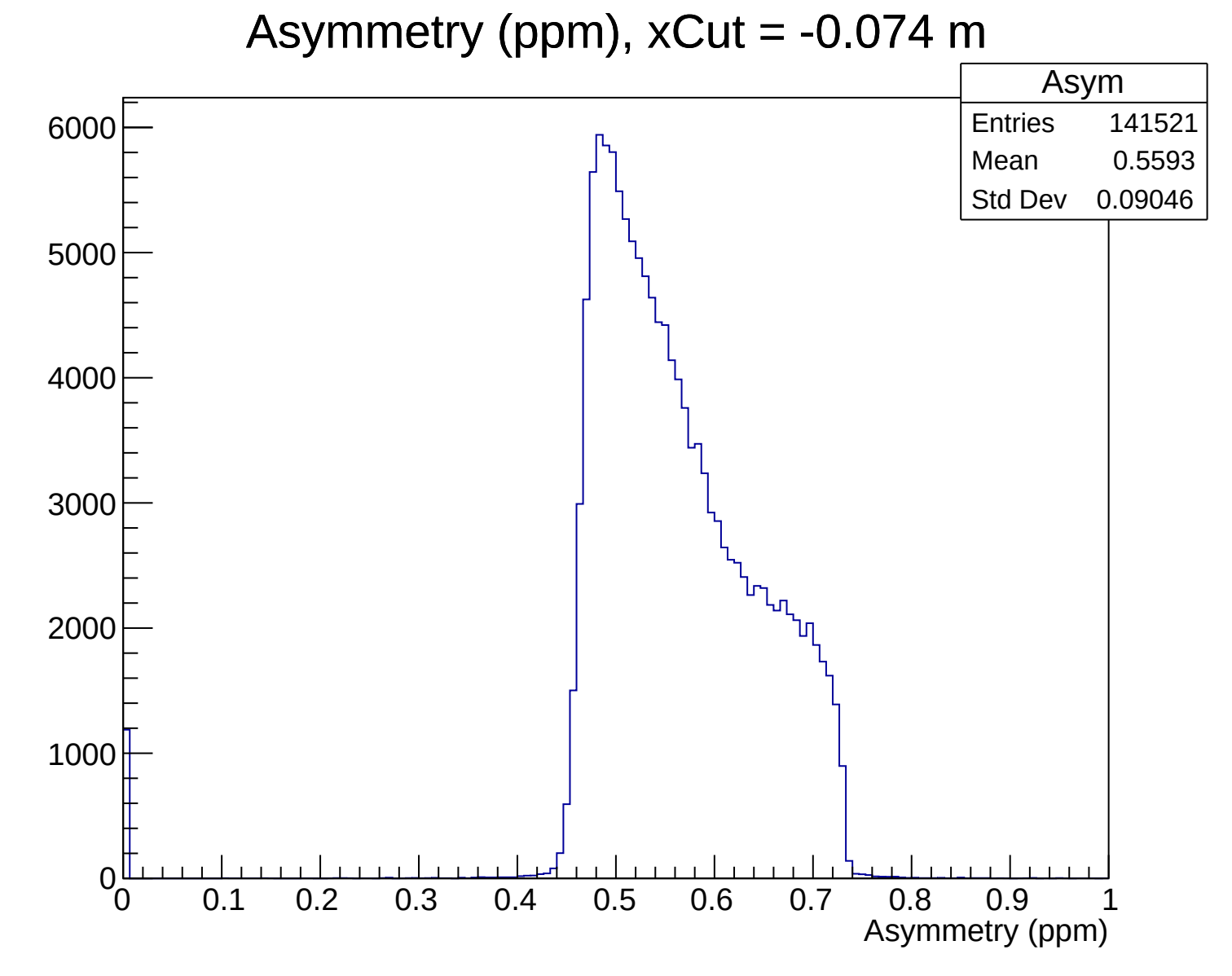

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

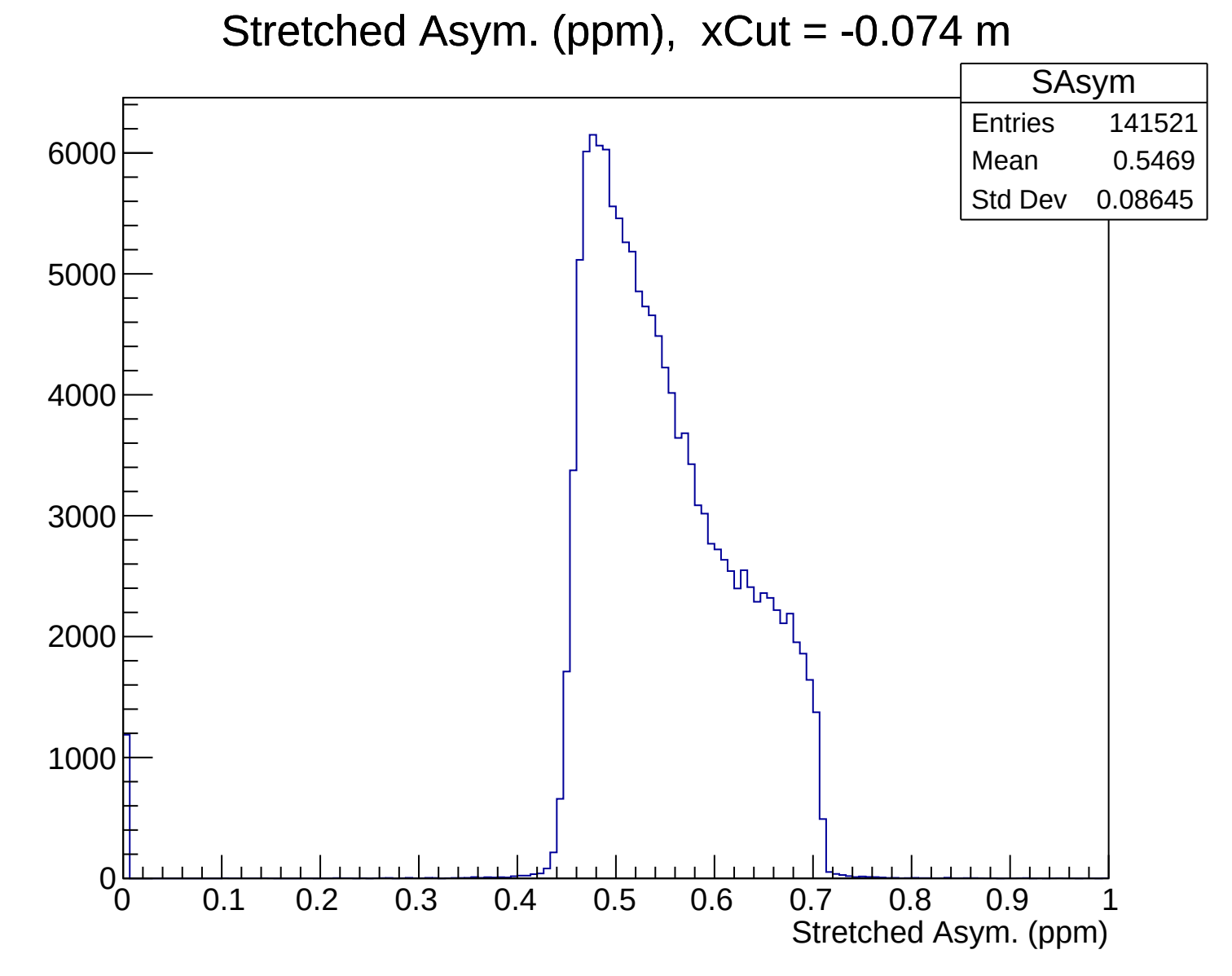

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

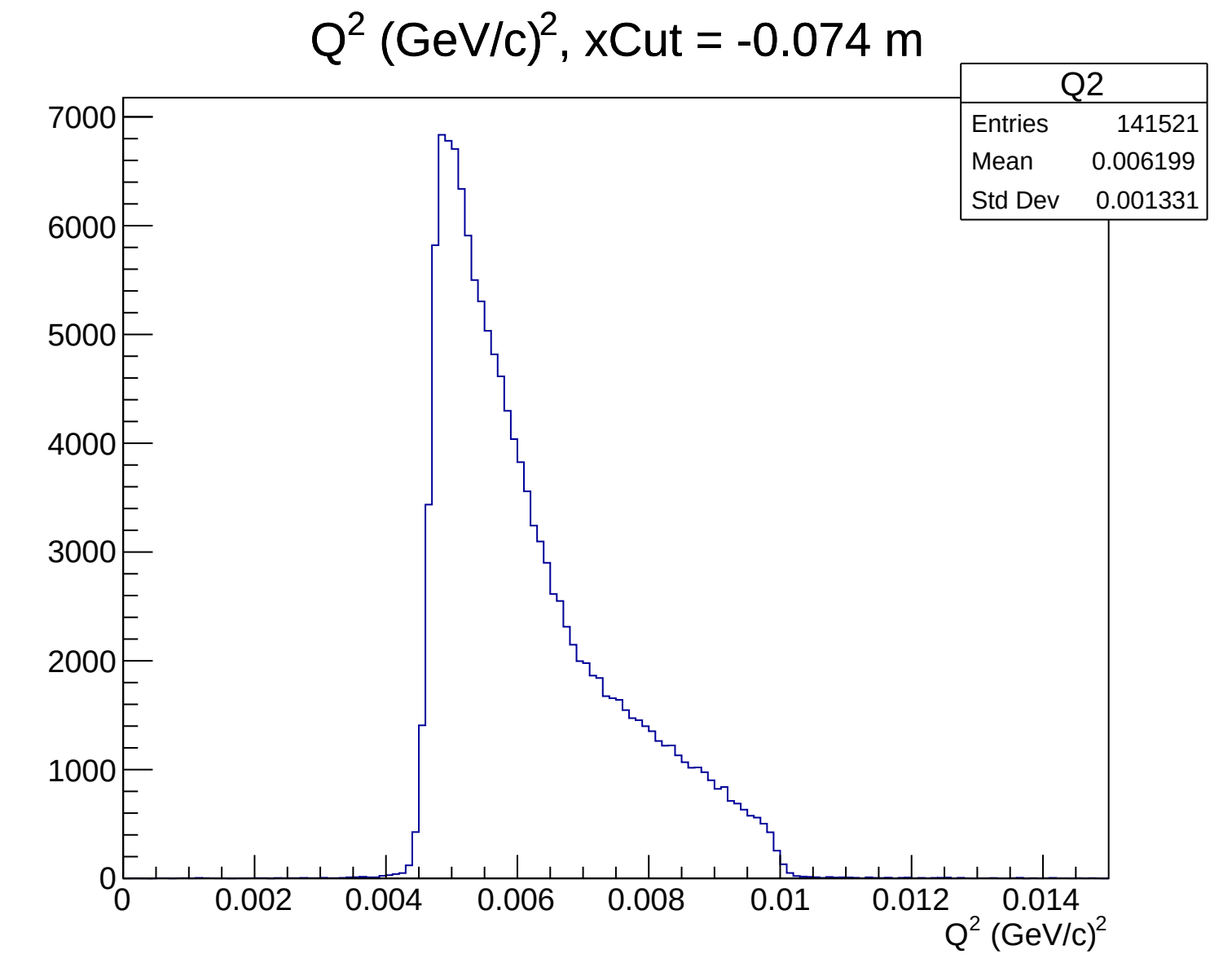

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.079
L.tr.x[0]+1.3*L.tr.th[0] (m)

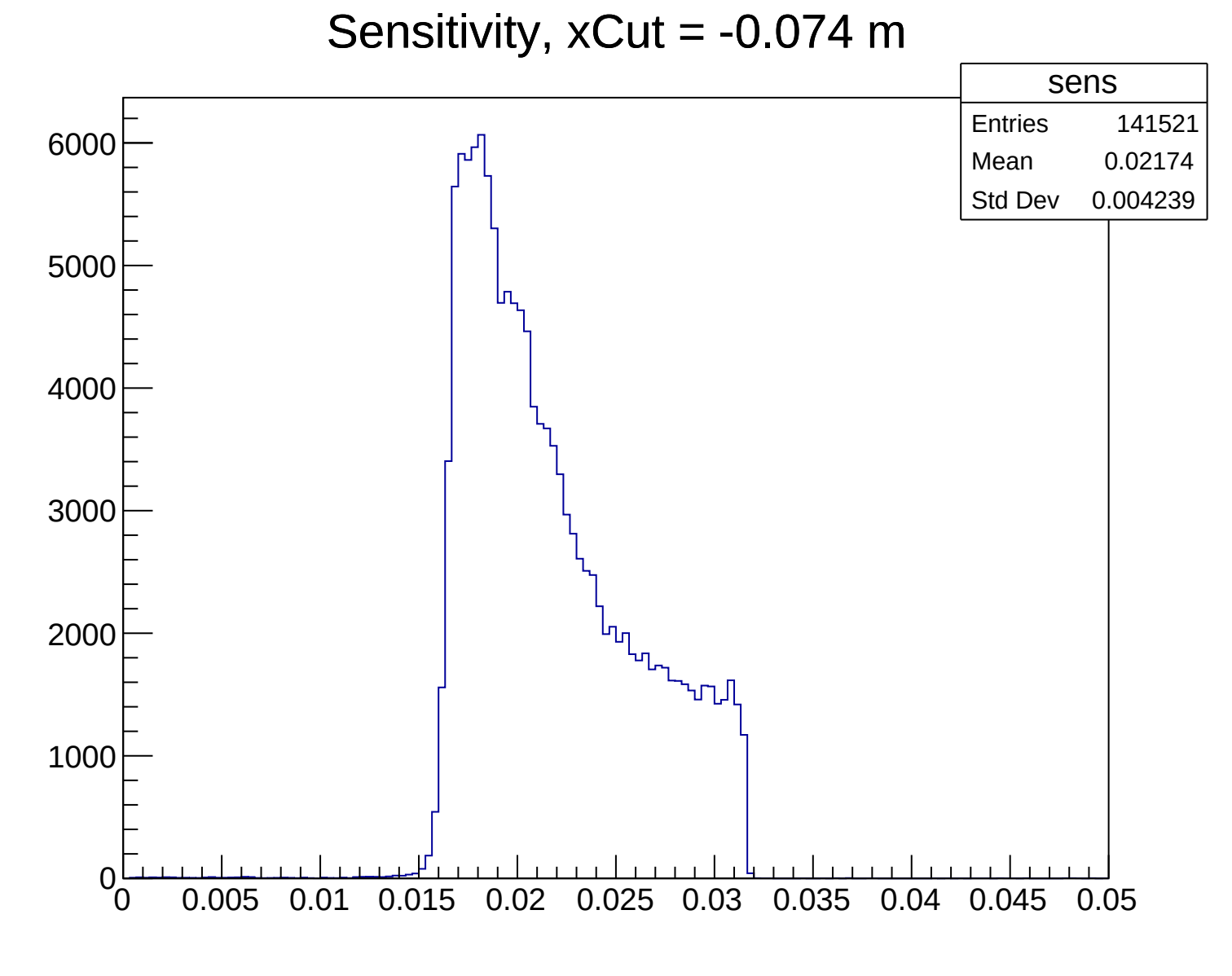

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

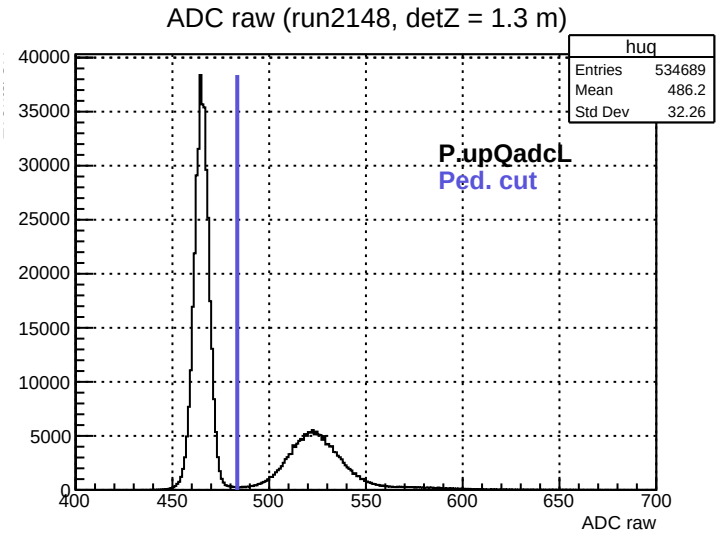

θlab (deg), xCut = -0.074 m
Theta
Entries 141521
Mean 4.735
Std Dev 0.4938
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

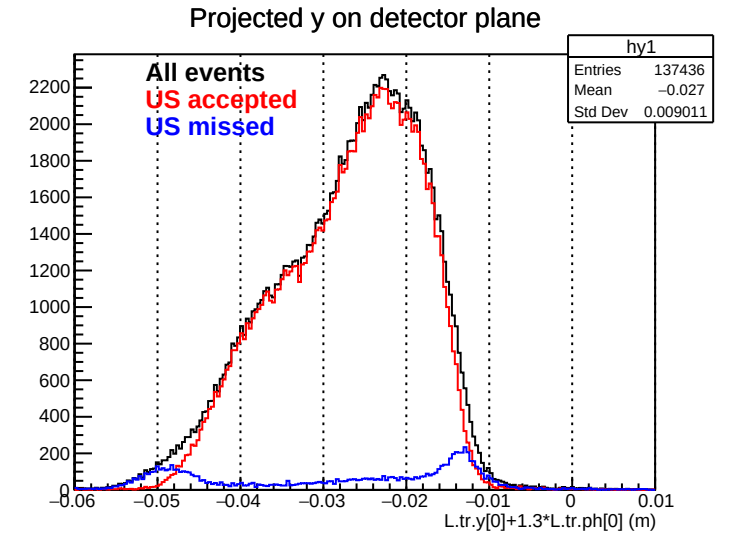

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 141521
Mean 0.5593
Std Dev 0.09046
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

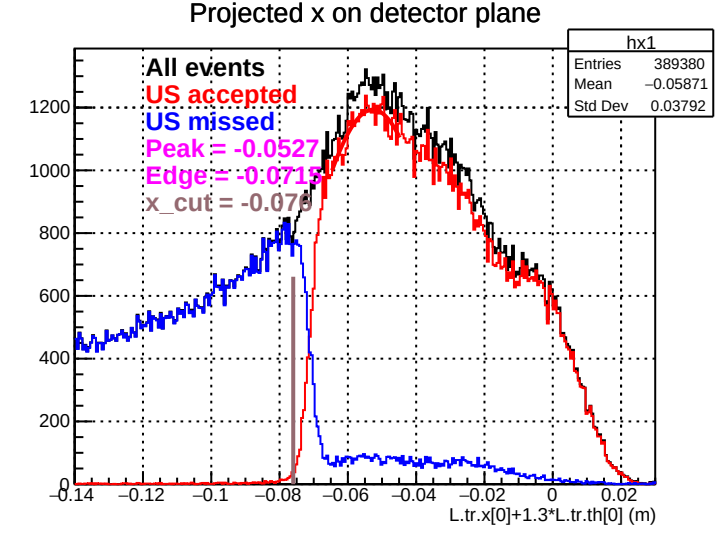

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 141521
Mean 0.5469
Std Dev 0.08645
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

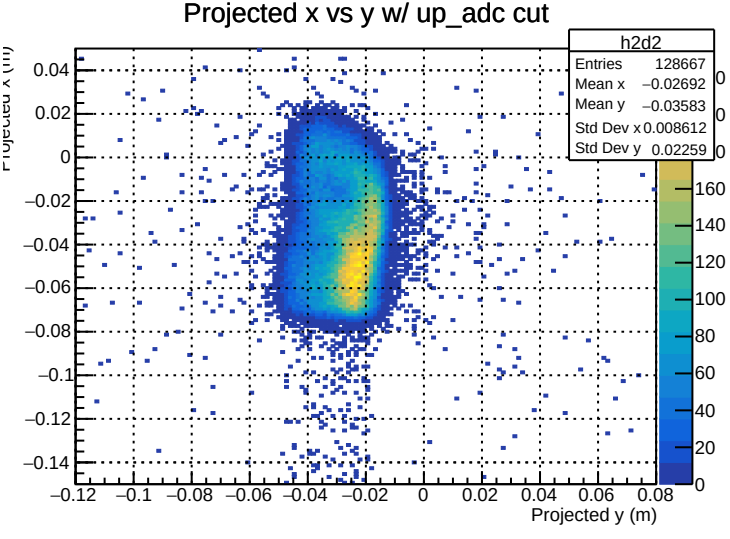

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 141521
Mean 0.006199
Std Dev 0.001331
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

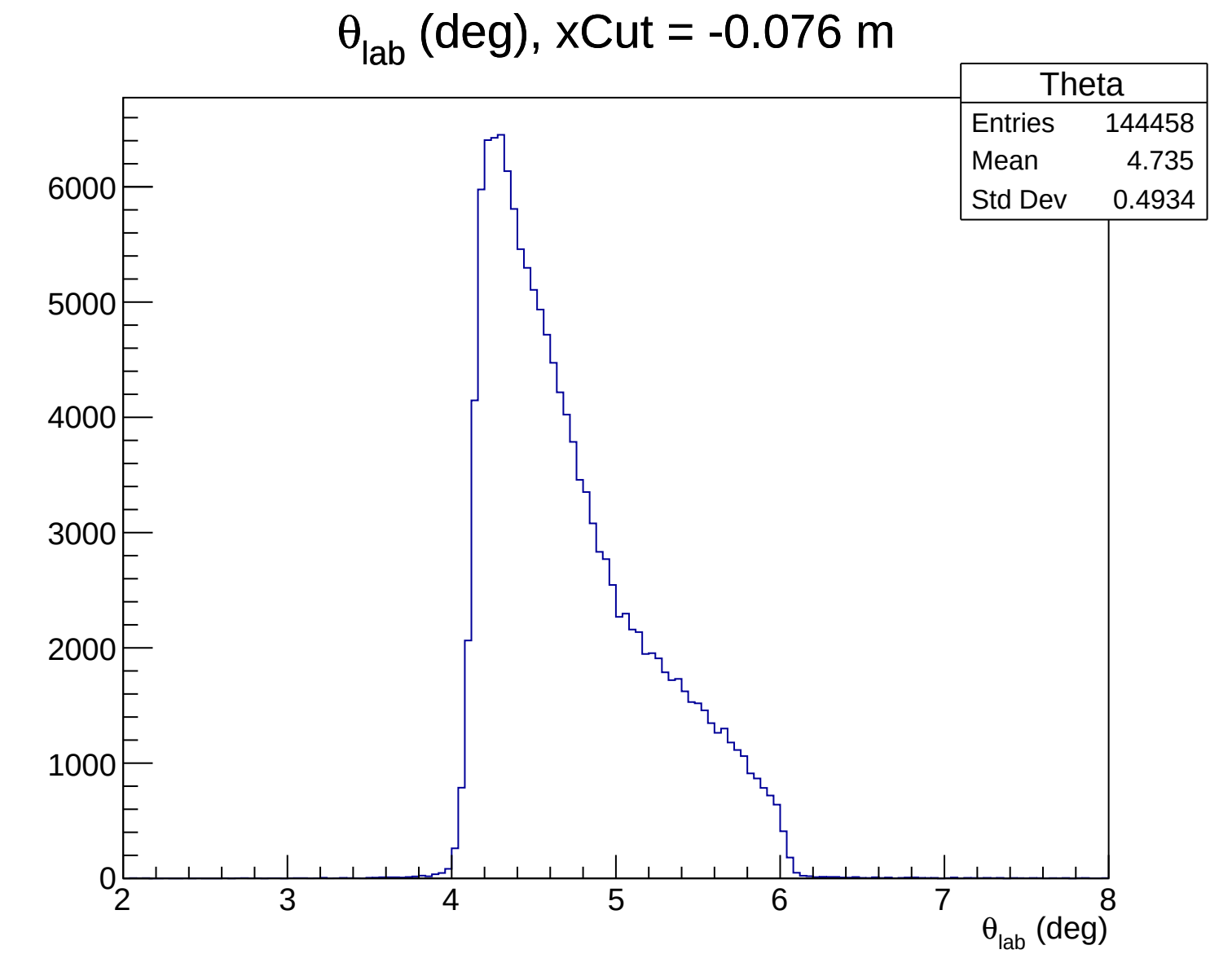

Sensitivity, xCut = -0.074 m
sens
Entries 141521
Mean 0.02174
Std Dev 0.004239
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

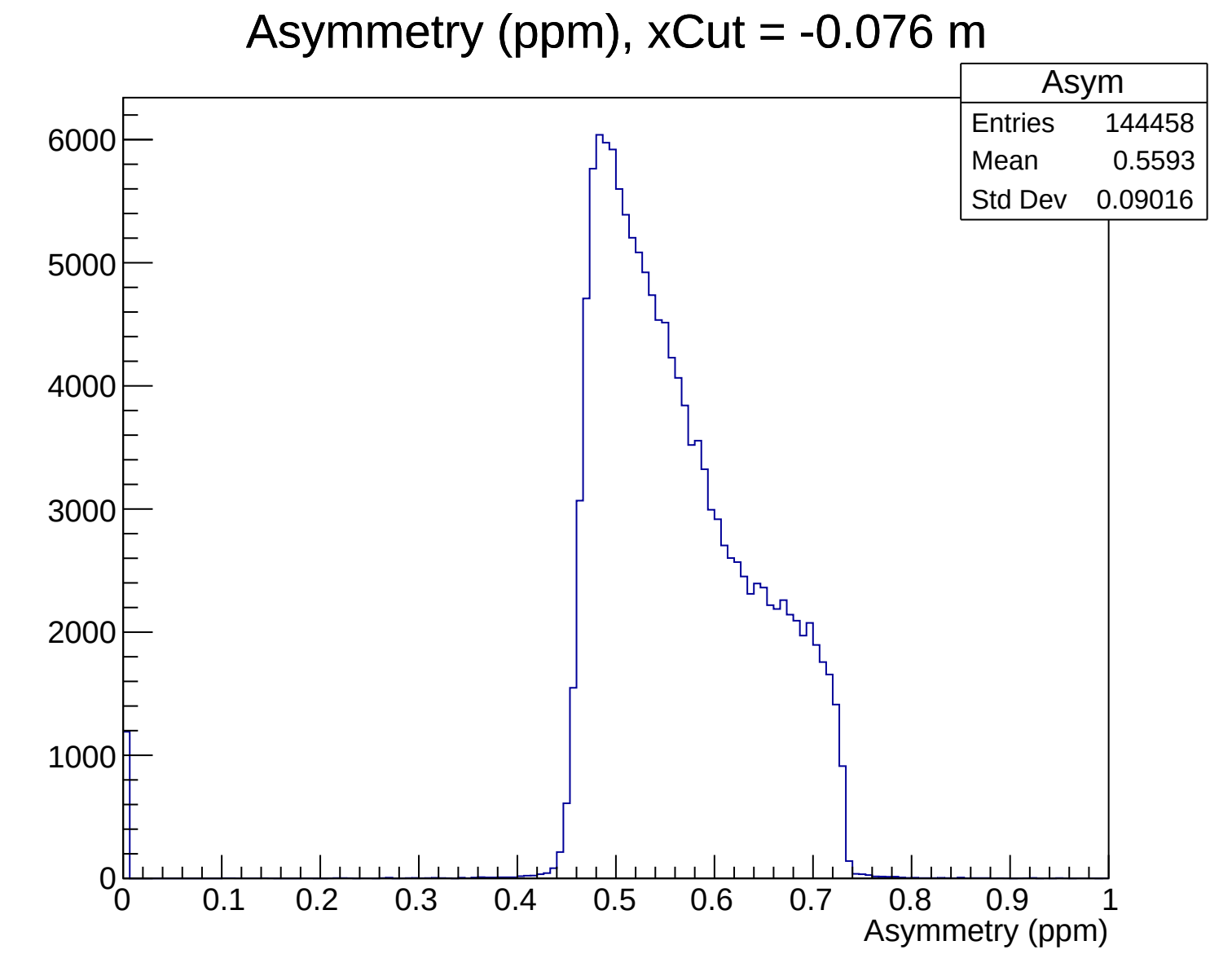

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

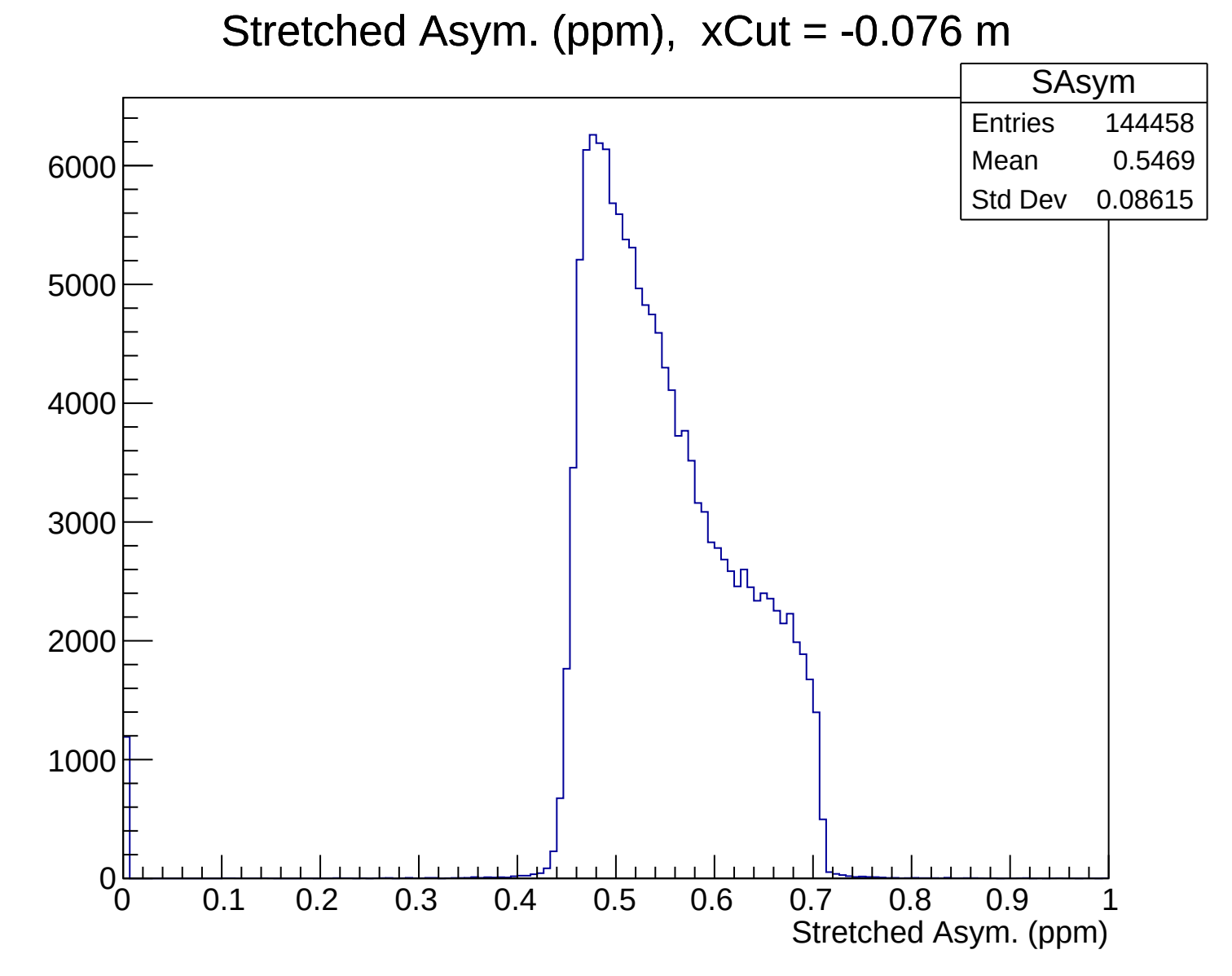

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

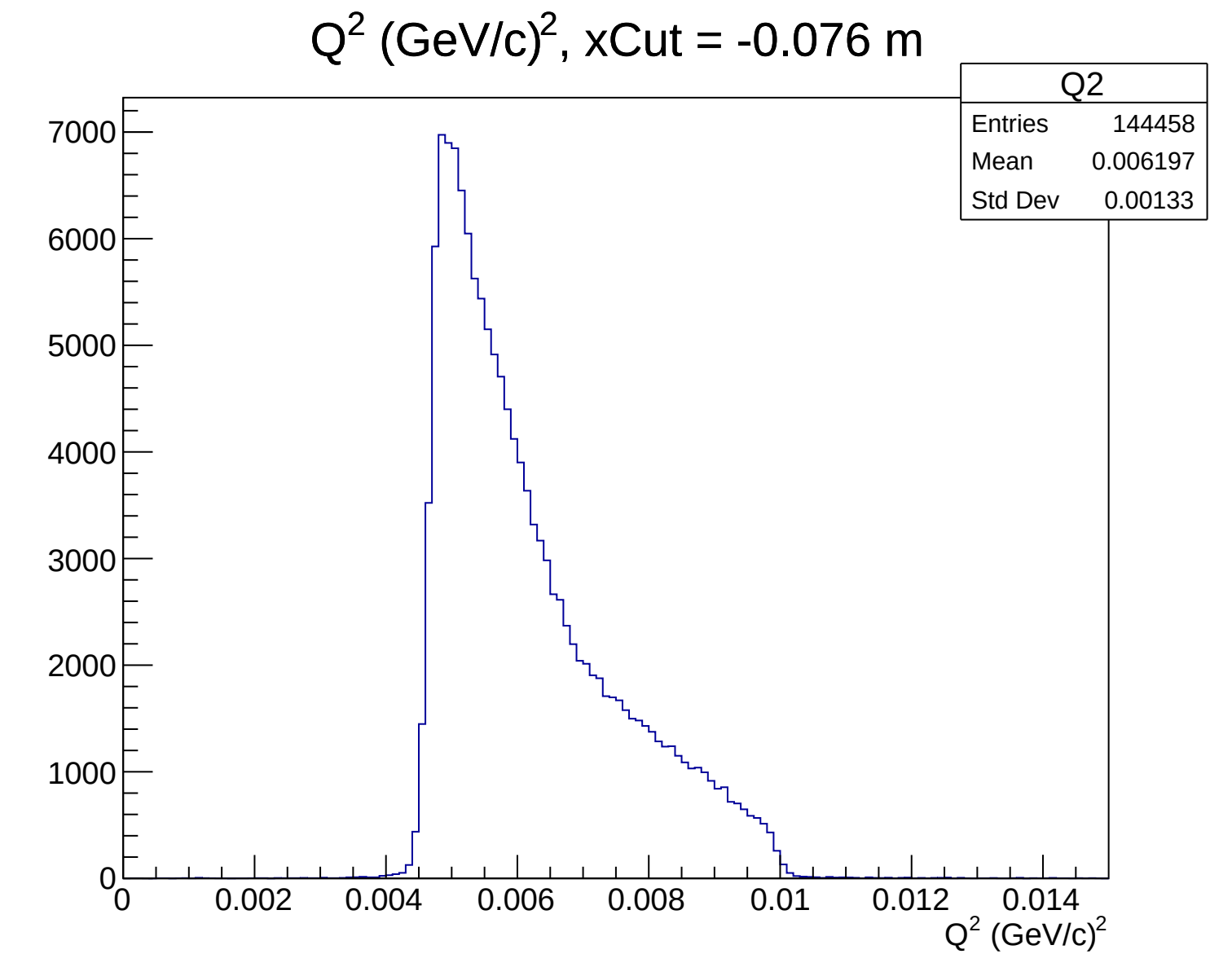

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

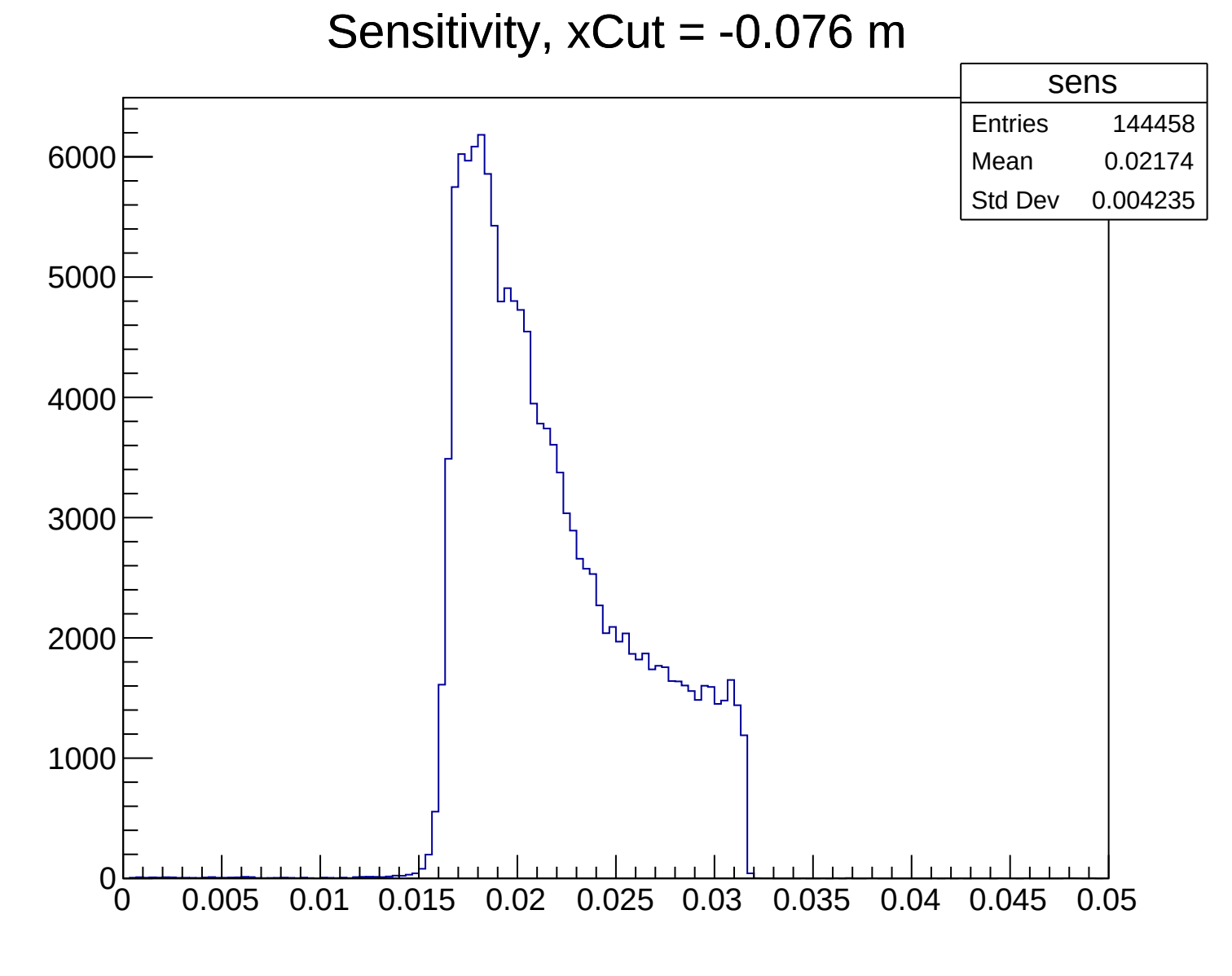

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

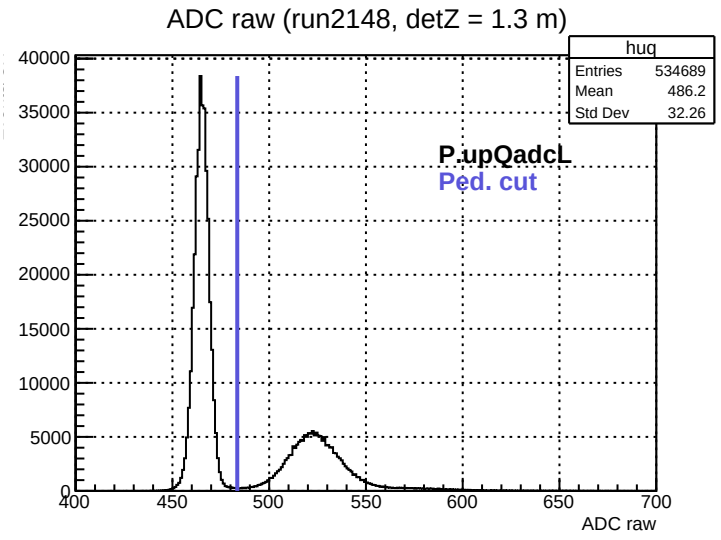

θlab (deg), xCut = -0.076 m
Theta
Entries 144458
Mean 4.735
Std Dev 0.4934
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

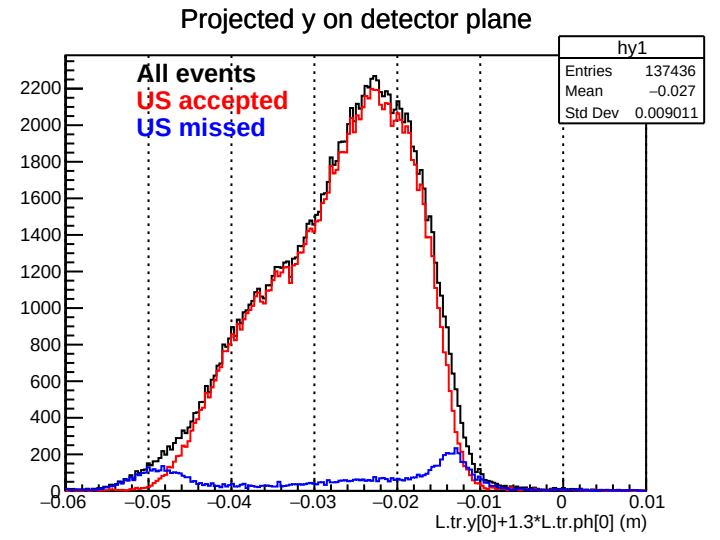

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 144458
Mean 0.5593
Std Dev 0.09016
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

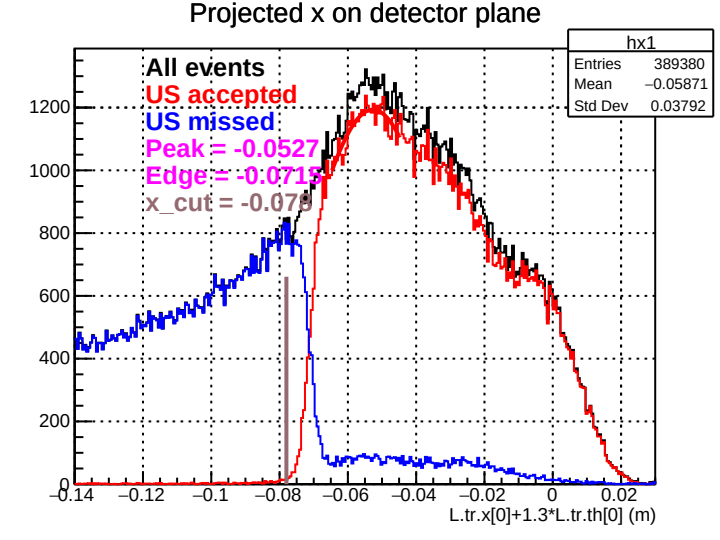

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 144458
Mean 0.5469
Std Dev 0.08615
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

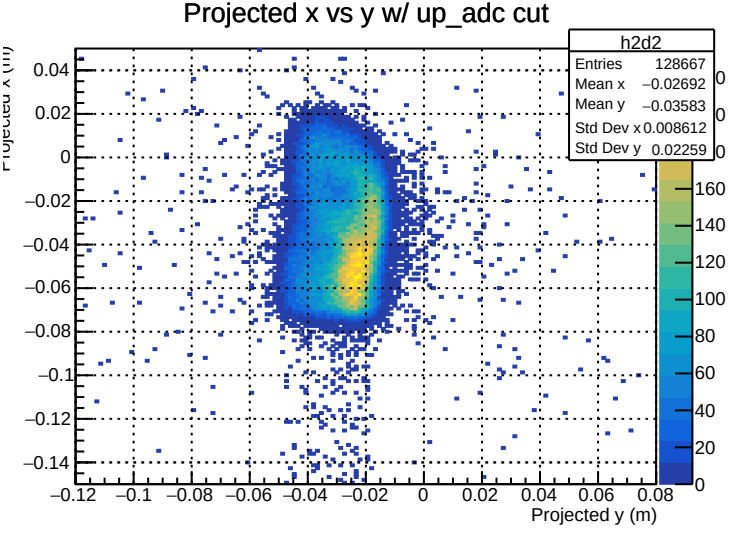

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 144458
Mean 0.006197
Std Dev 0.00133
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

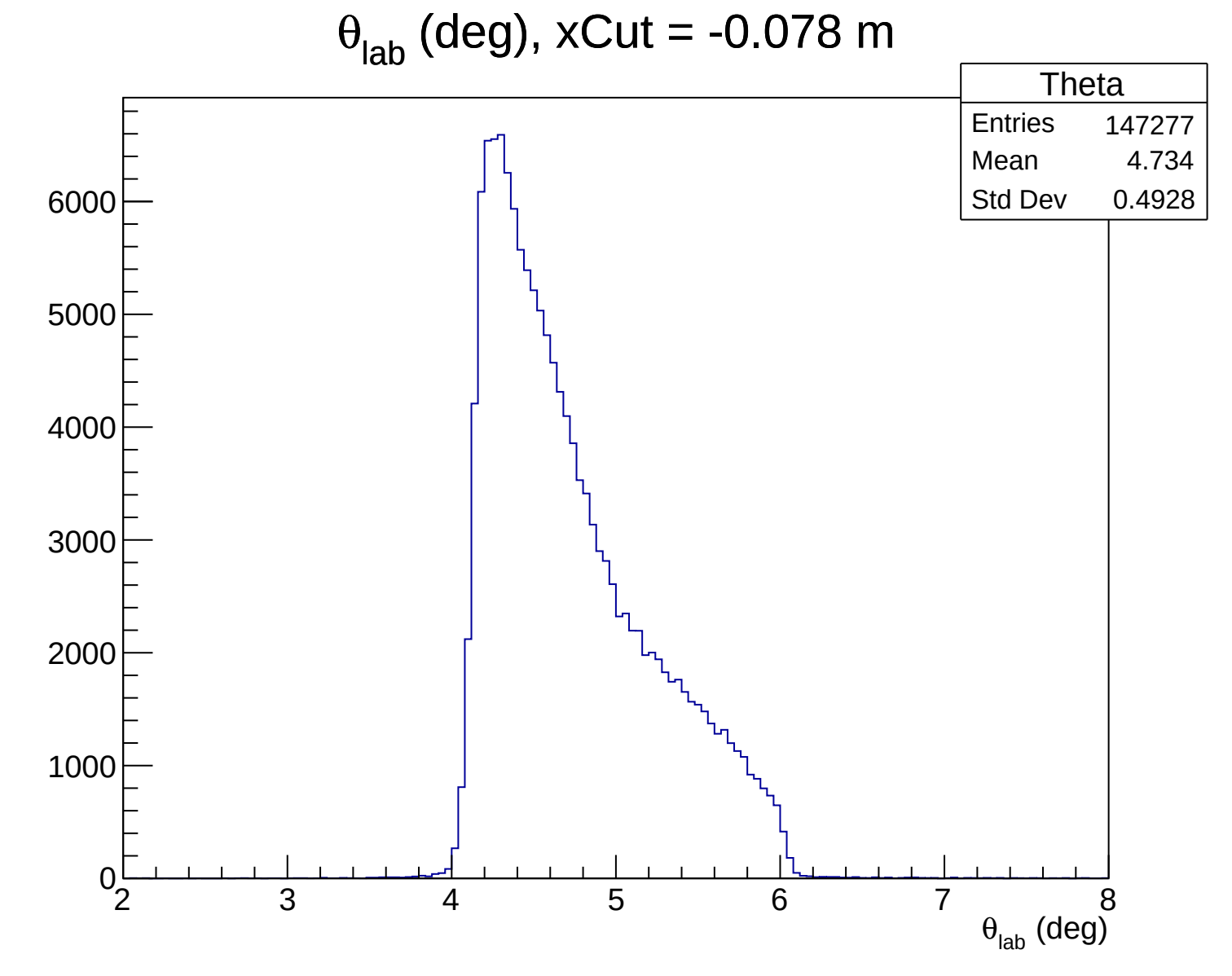

Sensitivity, xCut = -0.076 m
sens
Entries 144458
Mean 0.02174
Std Dev 0.004235
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

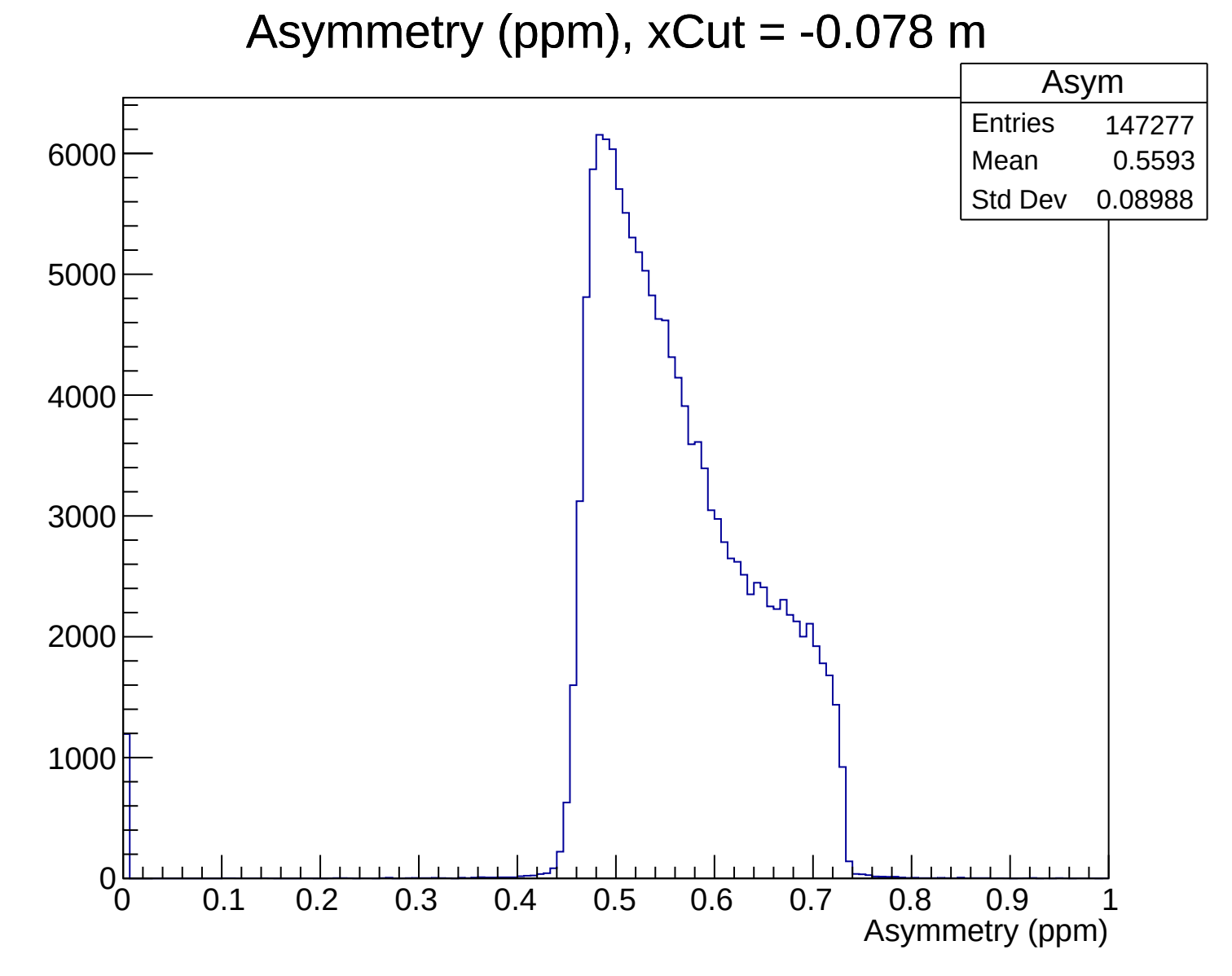

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

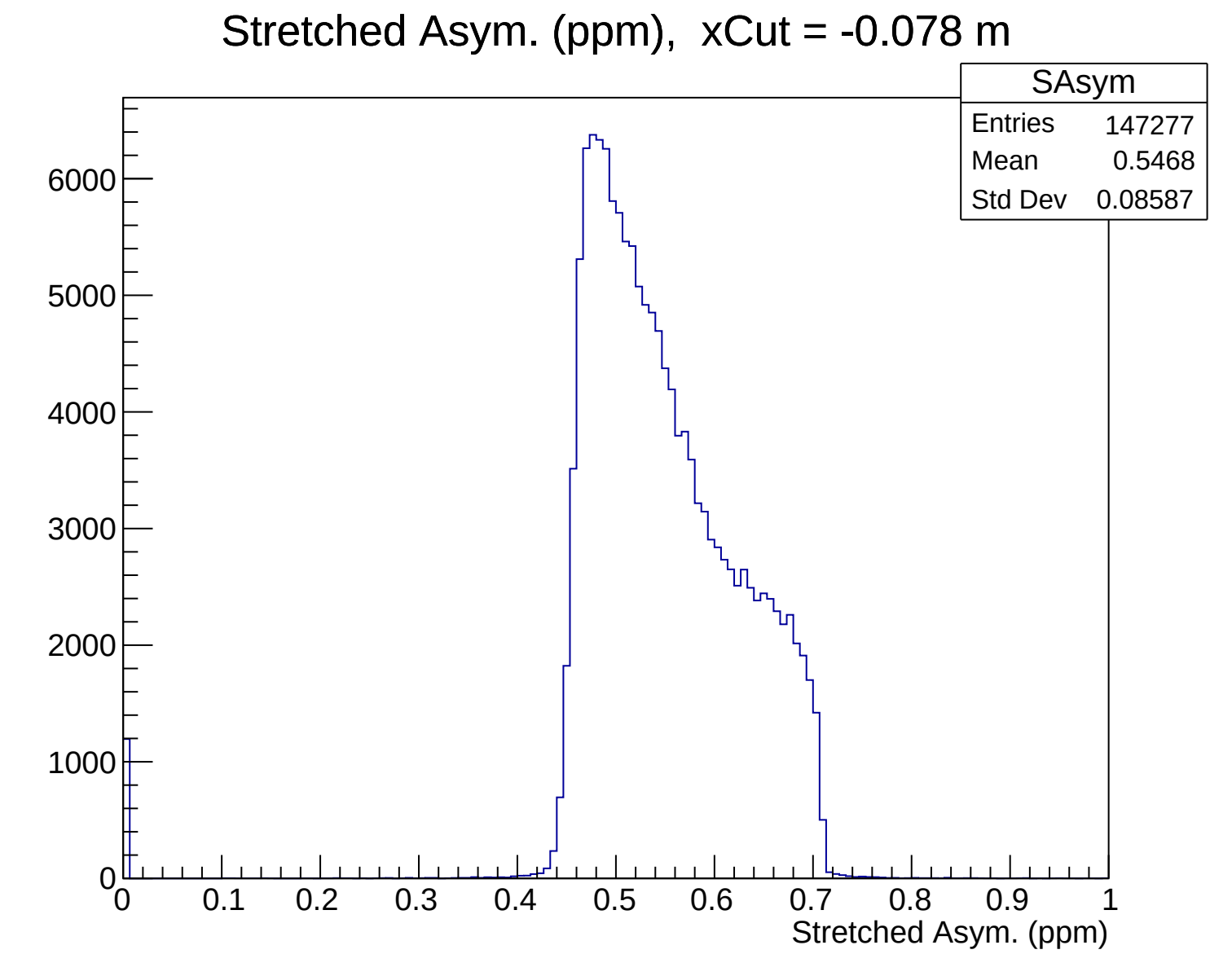

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

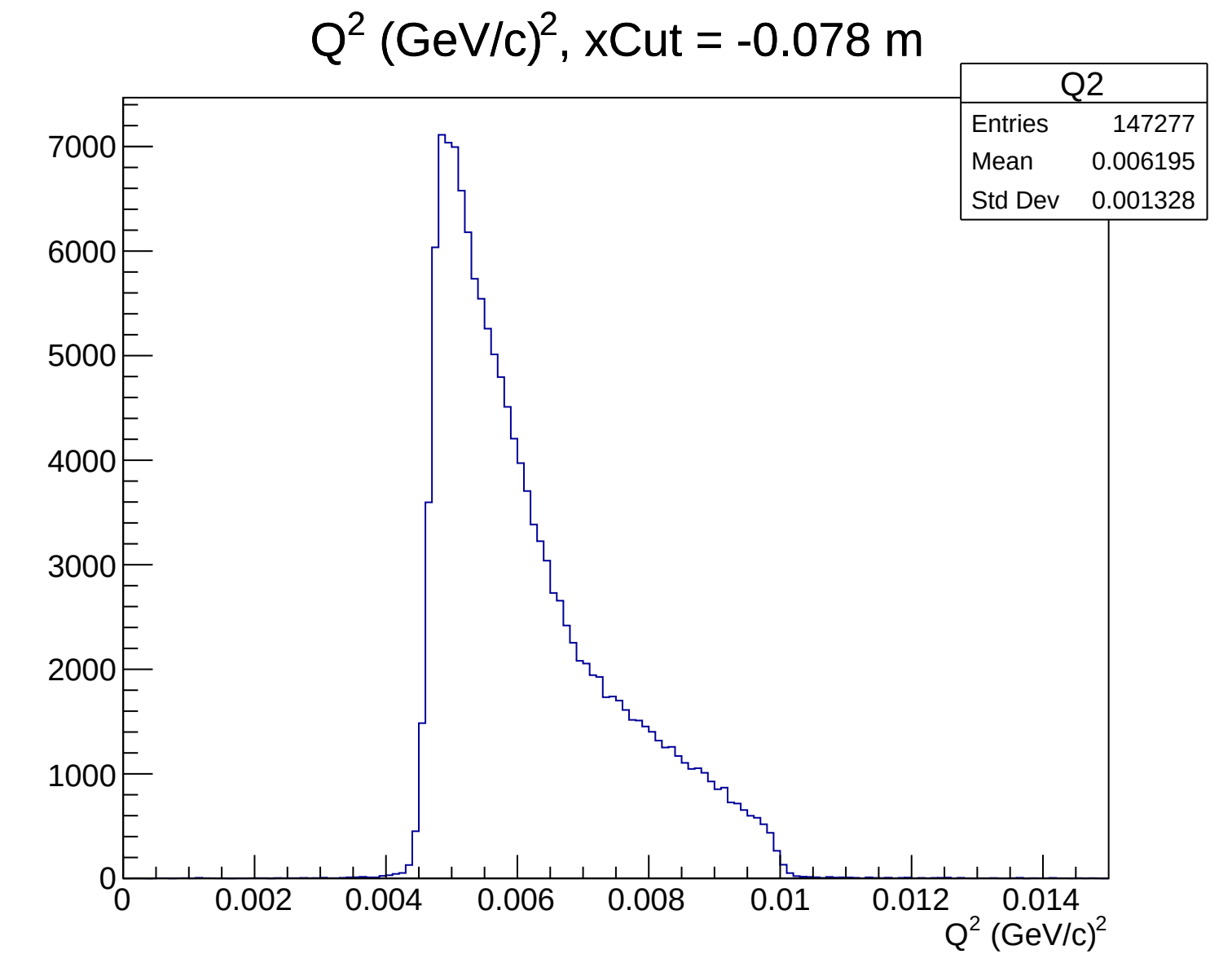

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

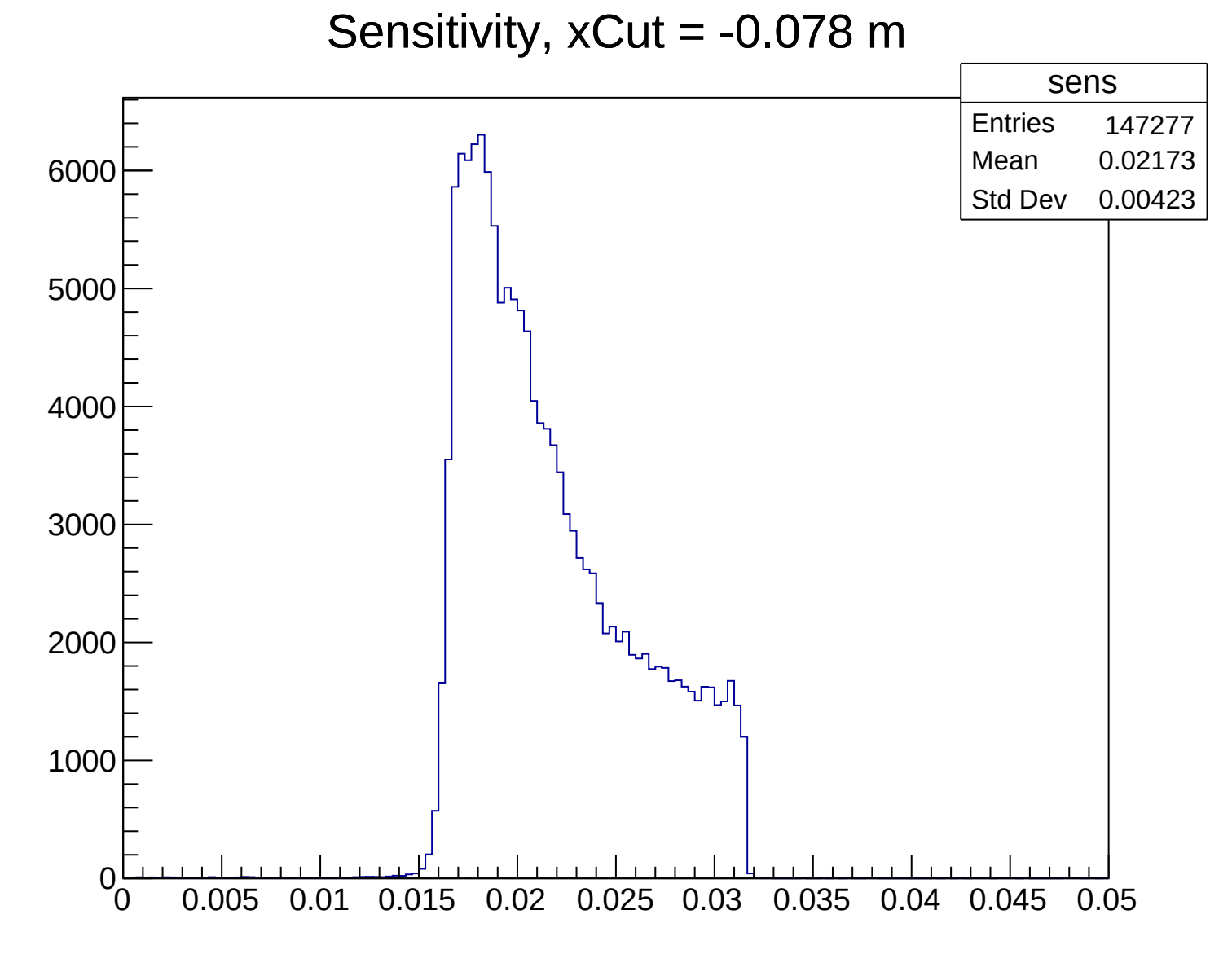

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

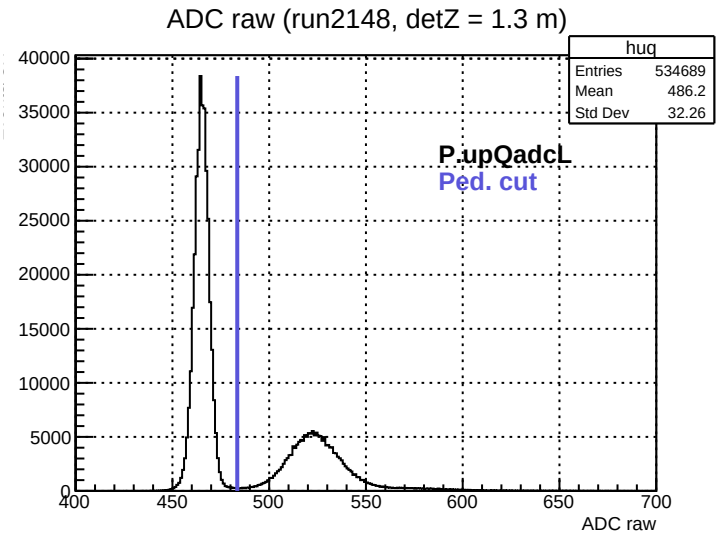

θlab (deg), xCut = -0.078 m
Theta
Entries 147277
Mean 4.734
Std Dev 0.4928
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

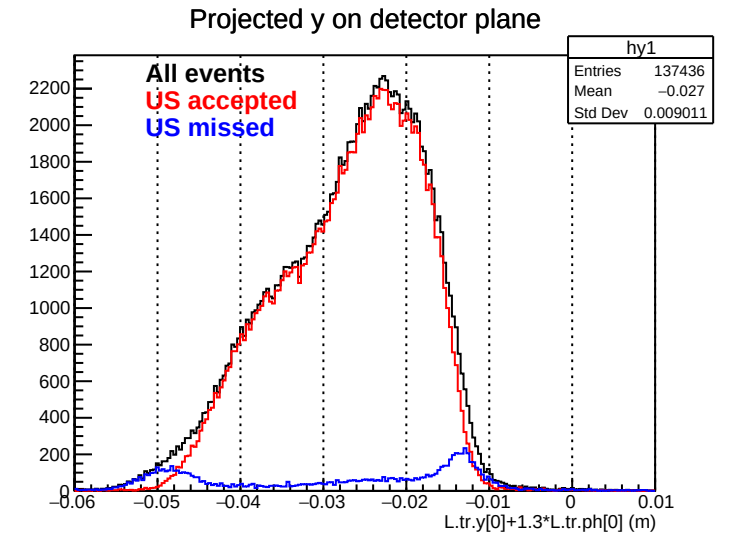

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 147277
Mean 0.5593
Std Dev 0.08988
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

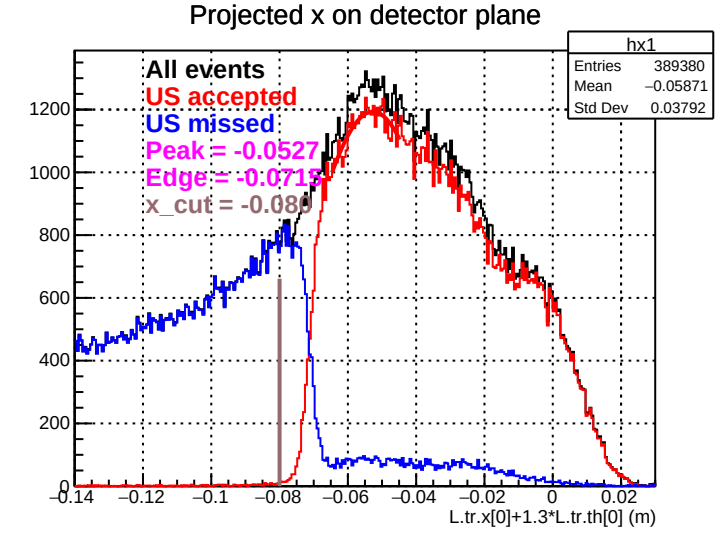

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 147277
Mean 0.5468
Std Dev 0.08587
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

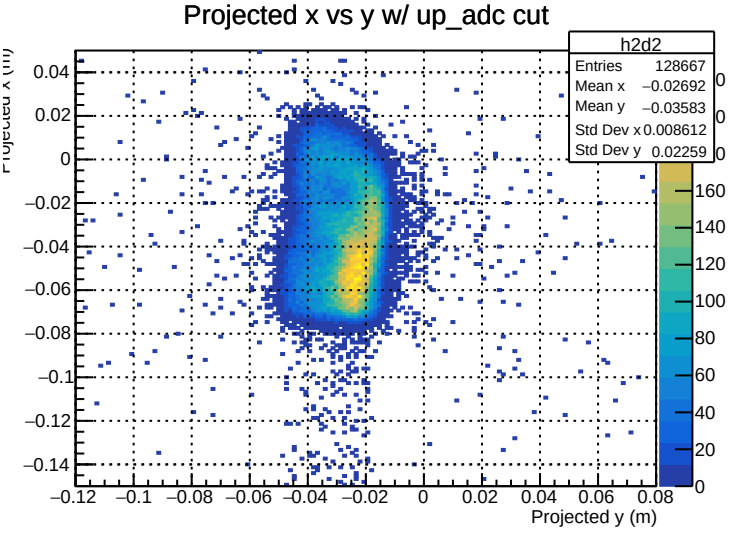

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 147277
Mean 0.006195
Std Dev 0.001328
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

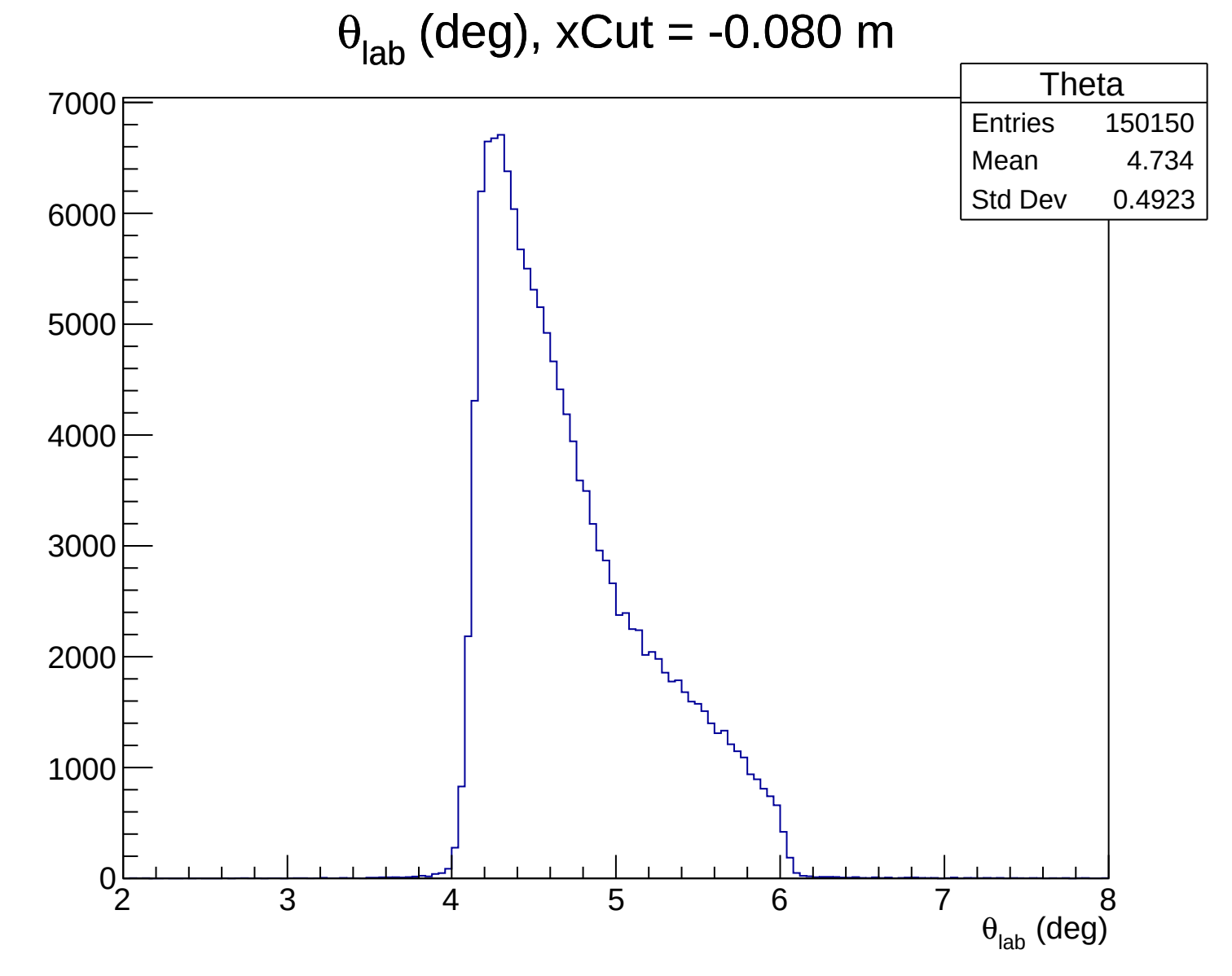

Sensitivity, xCut = -0.078 m
sens
Entries 147277
Mean 0.02173
Std Dev 0.00423
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

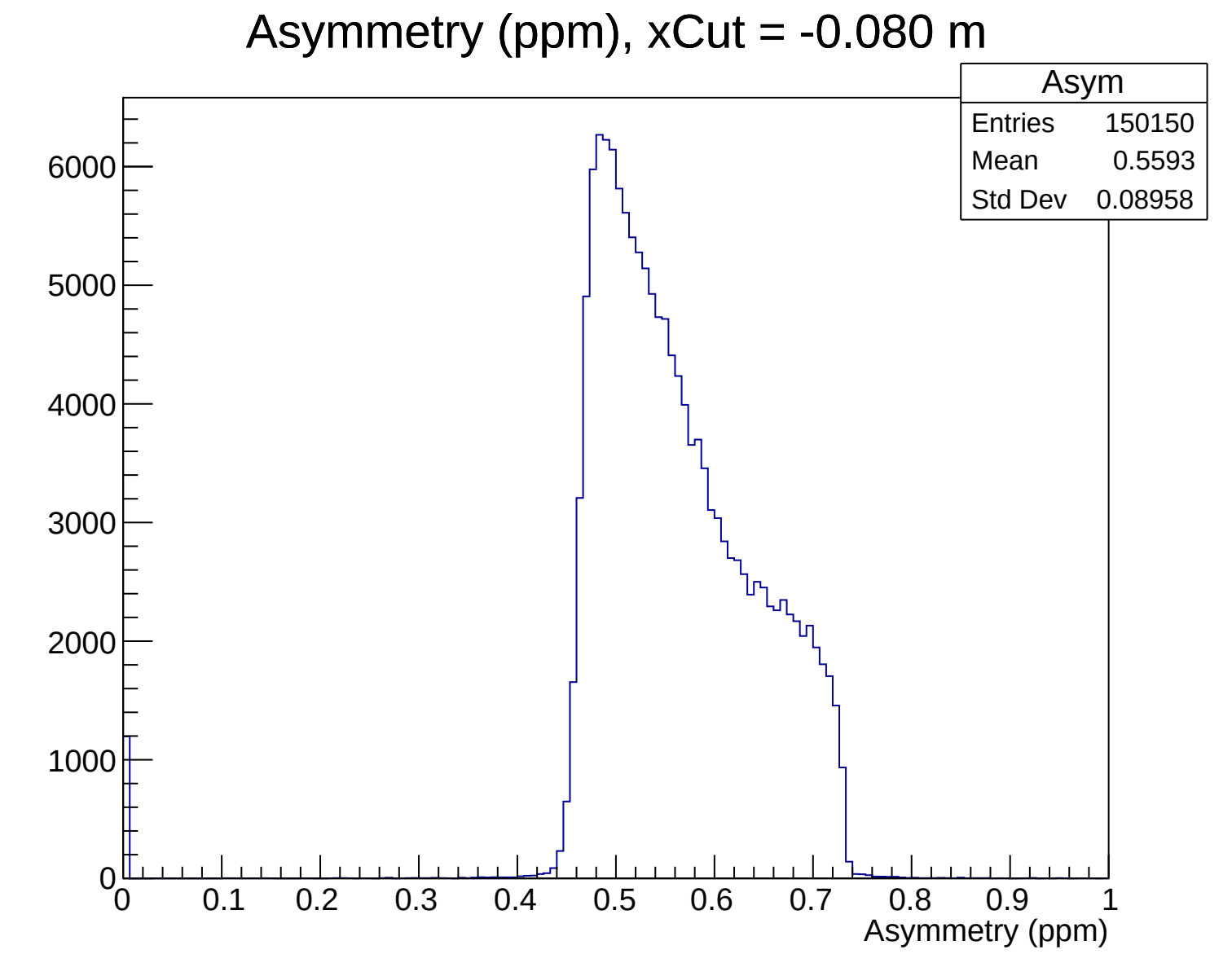

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

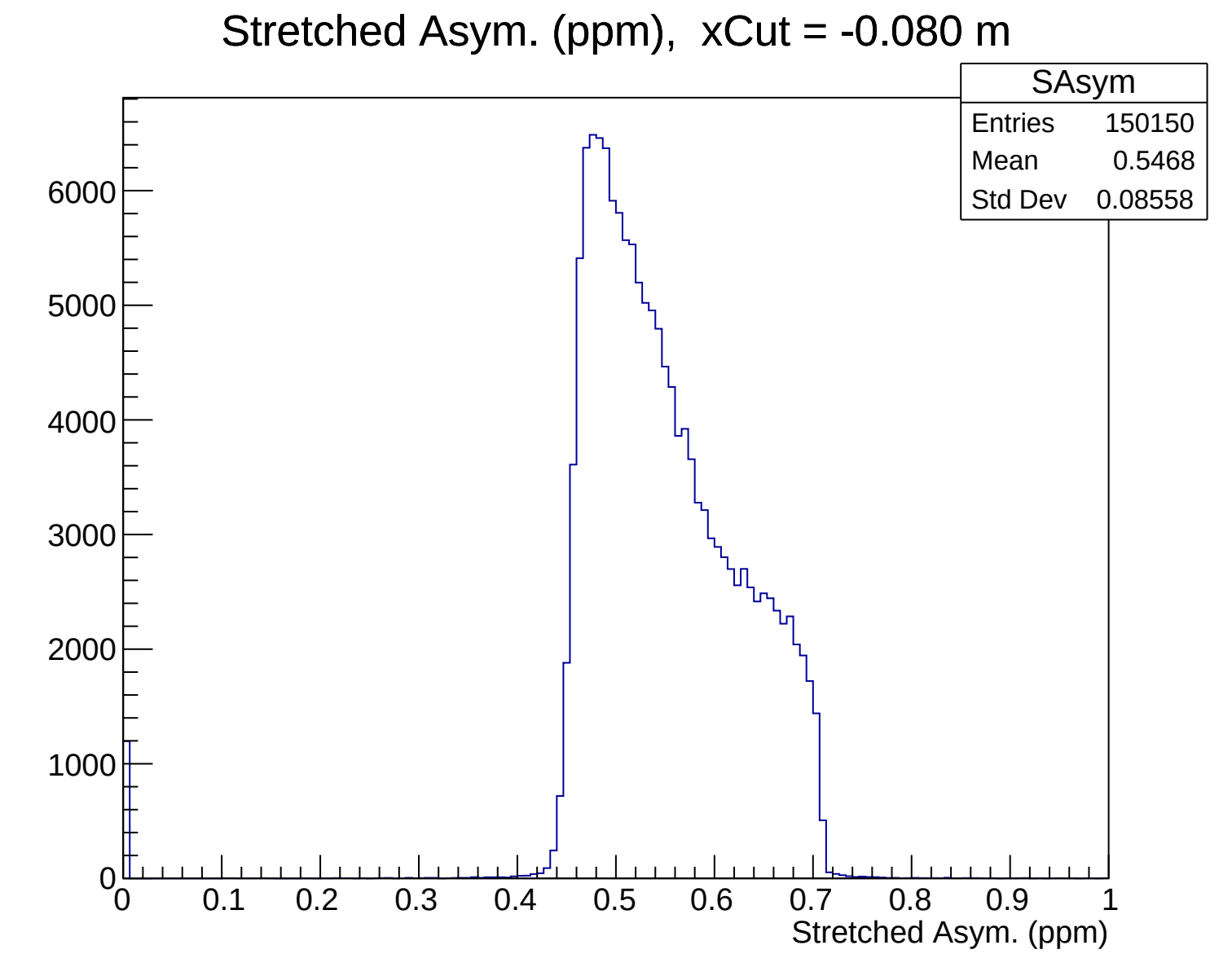

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

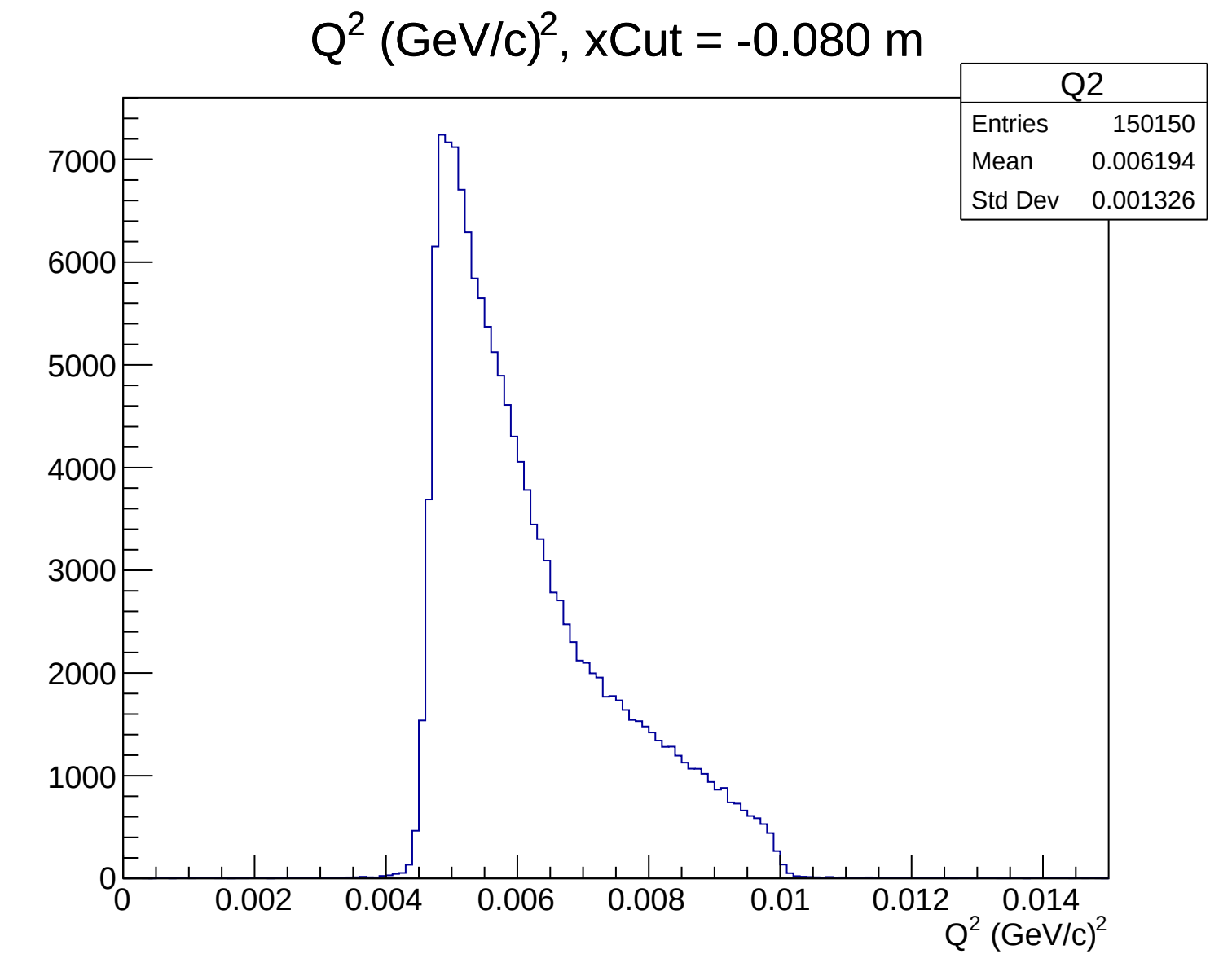

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

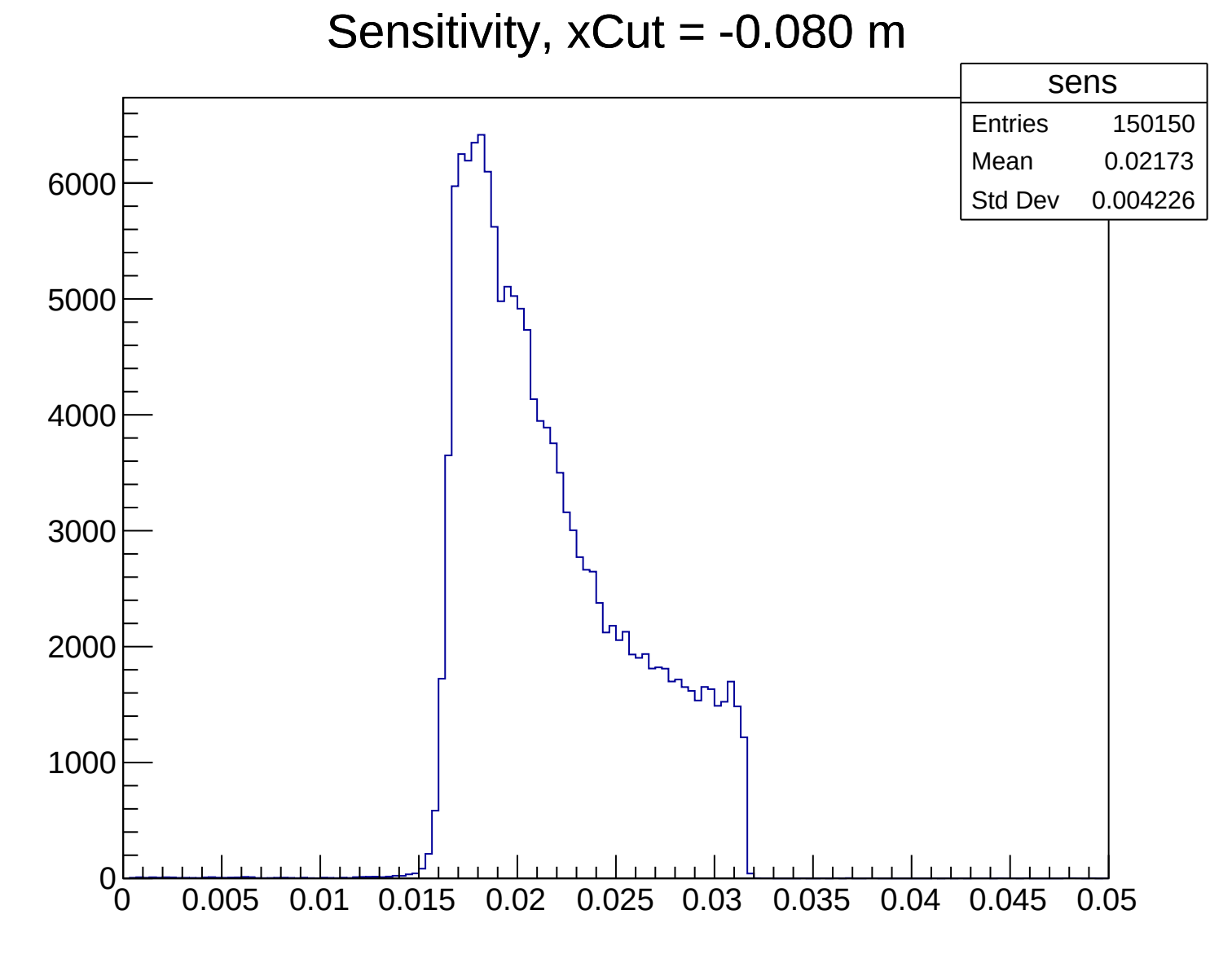

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

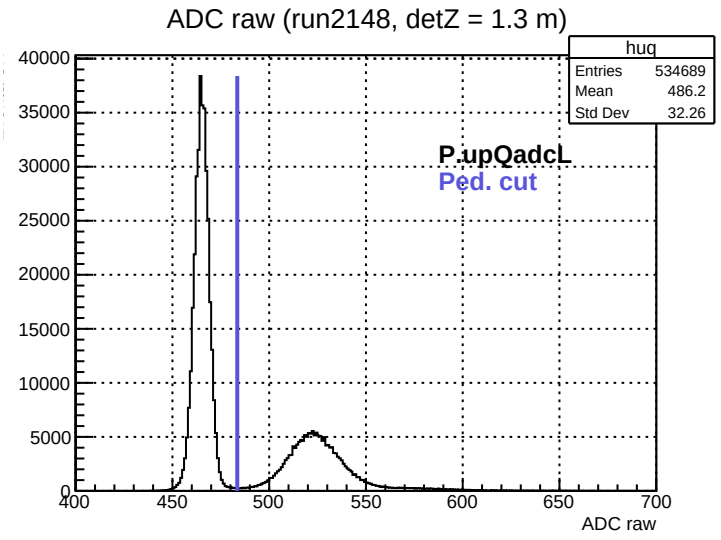

θlab (deg), xCut = -0.080 m
Theta
Entries 150150
Mean 4.734
Std Dev 0.4923
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

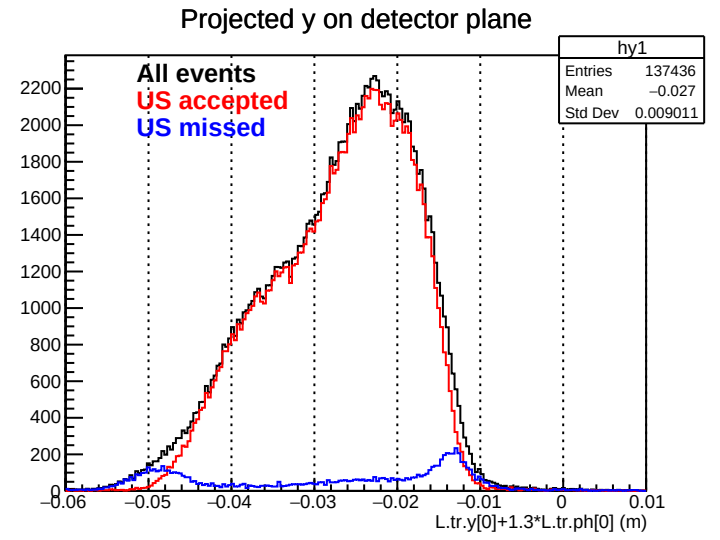

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 150150
Mean 0.5593
Std Dev 0.08958
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

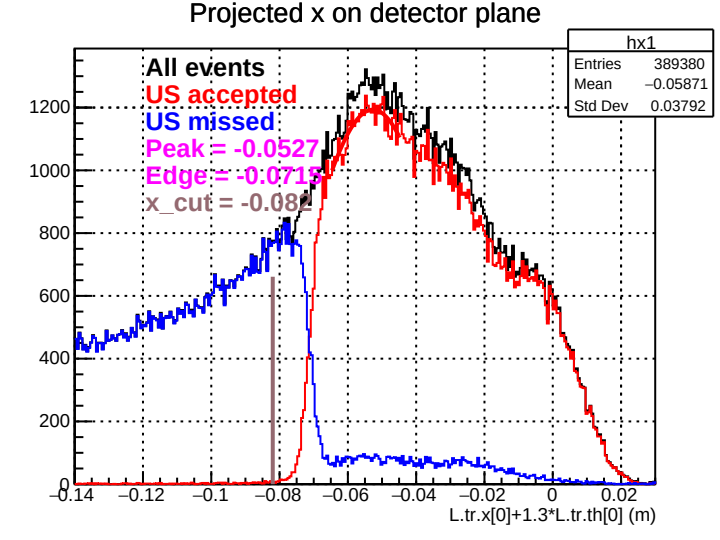

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 150150
Mean 0.5468
Std Dev 0.08558
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

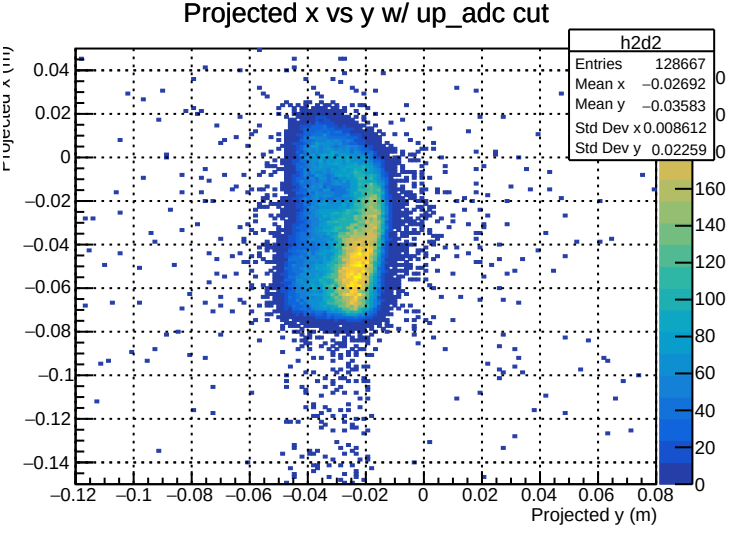

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 150150
Mean 0.006194
Std Dev 0.001326
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

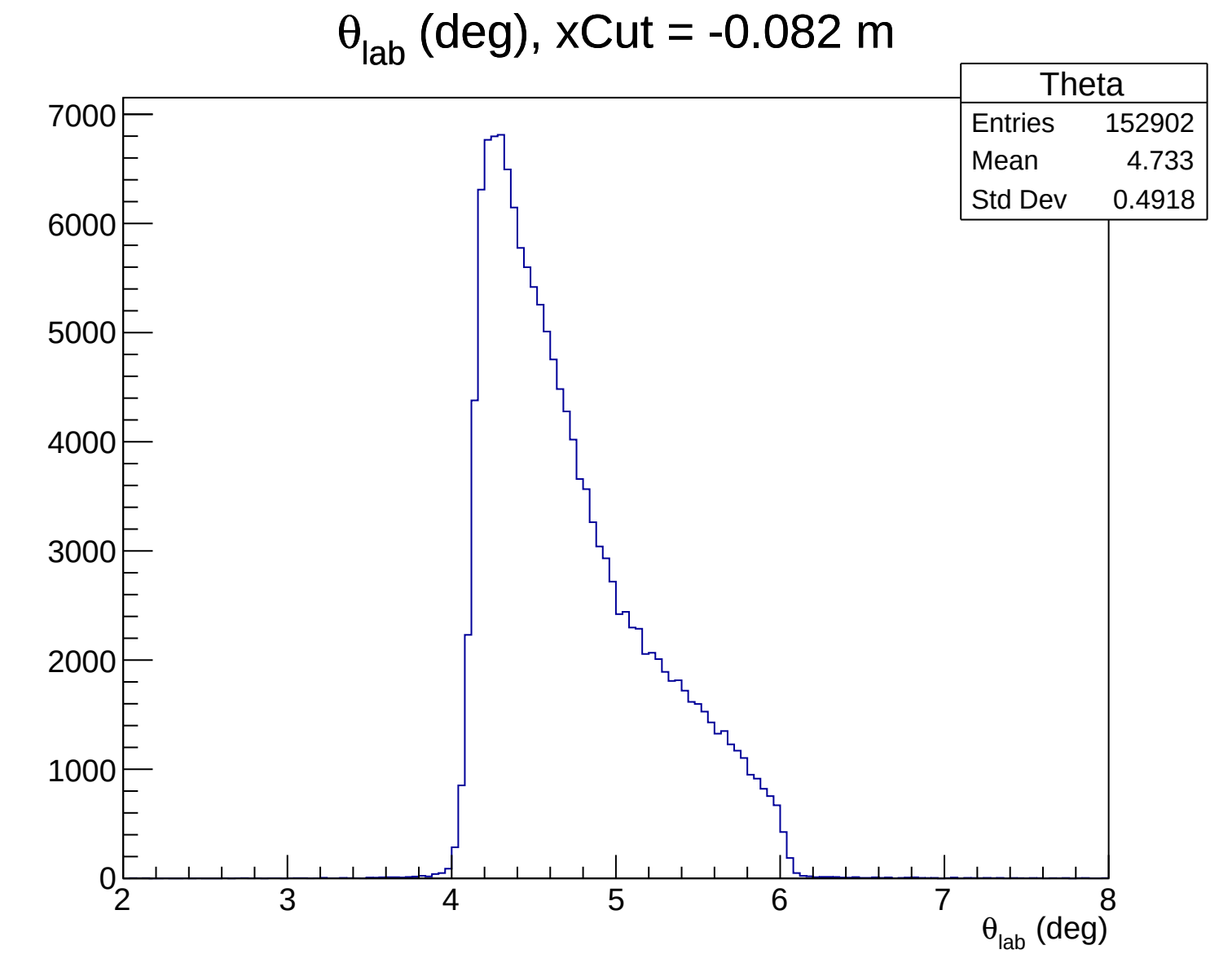

Sensitivity, xCut = -0.080 m
sens
Entries 150150
Mean 0.02173
Std Dev 0.004226
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

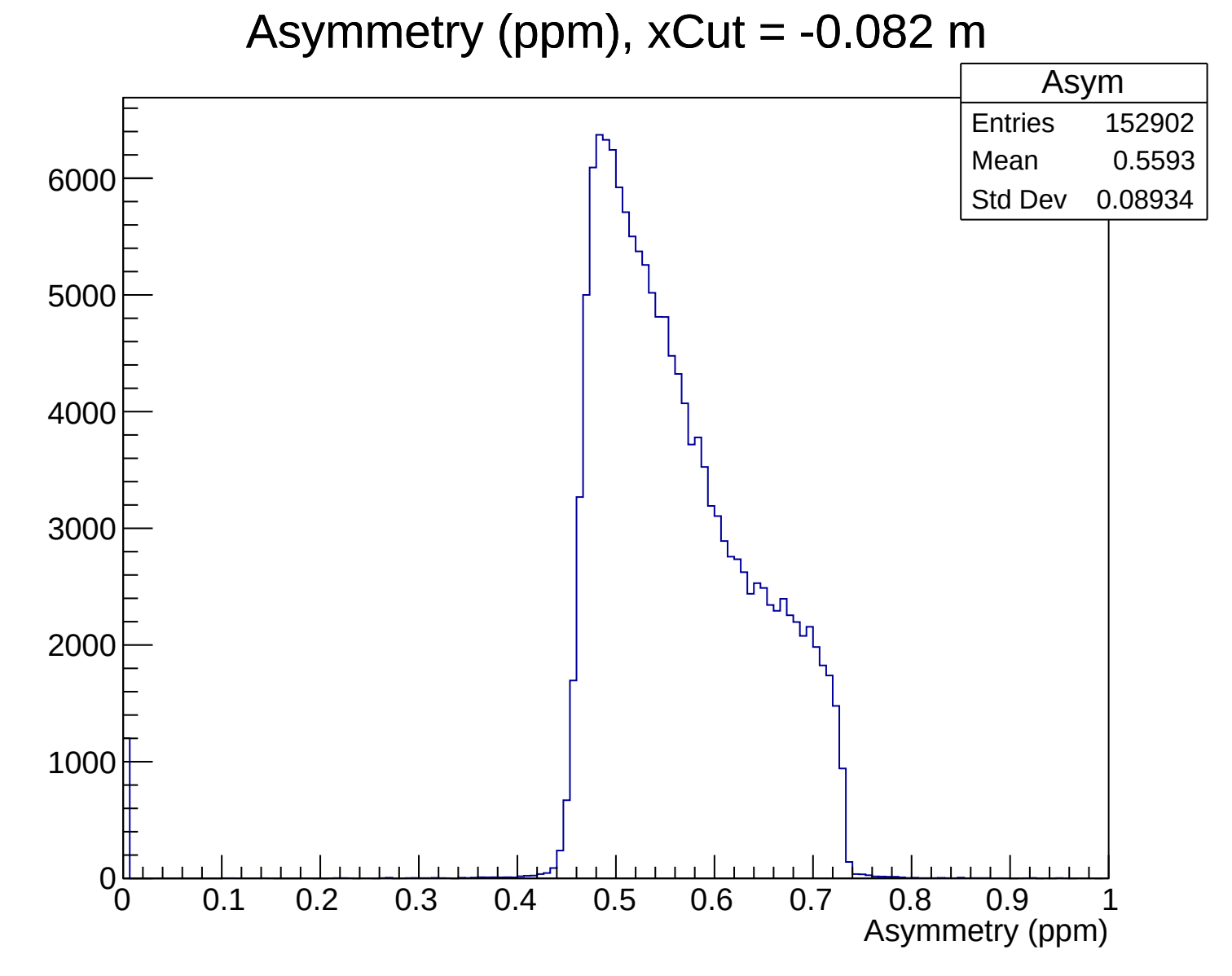

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

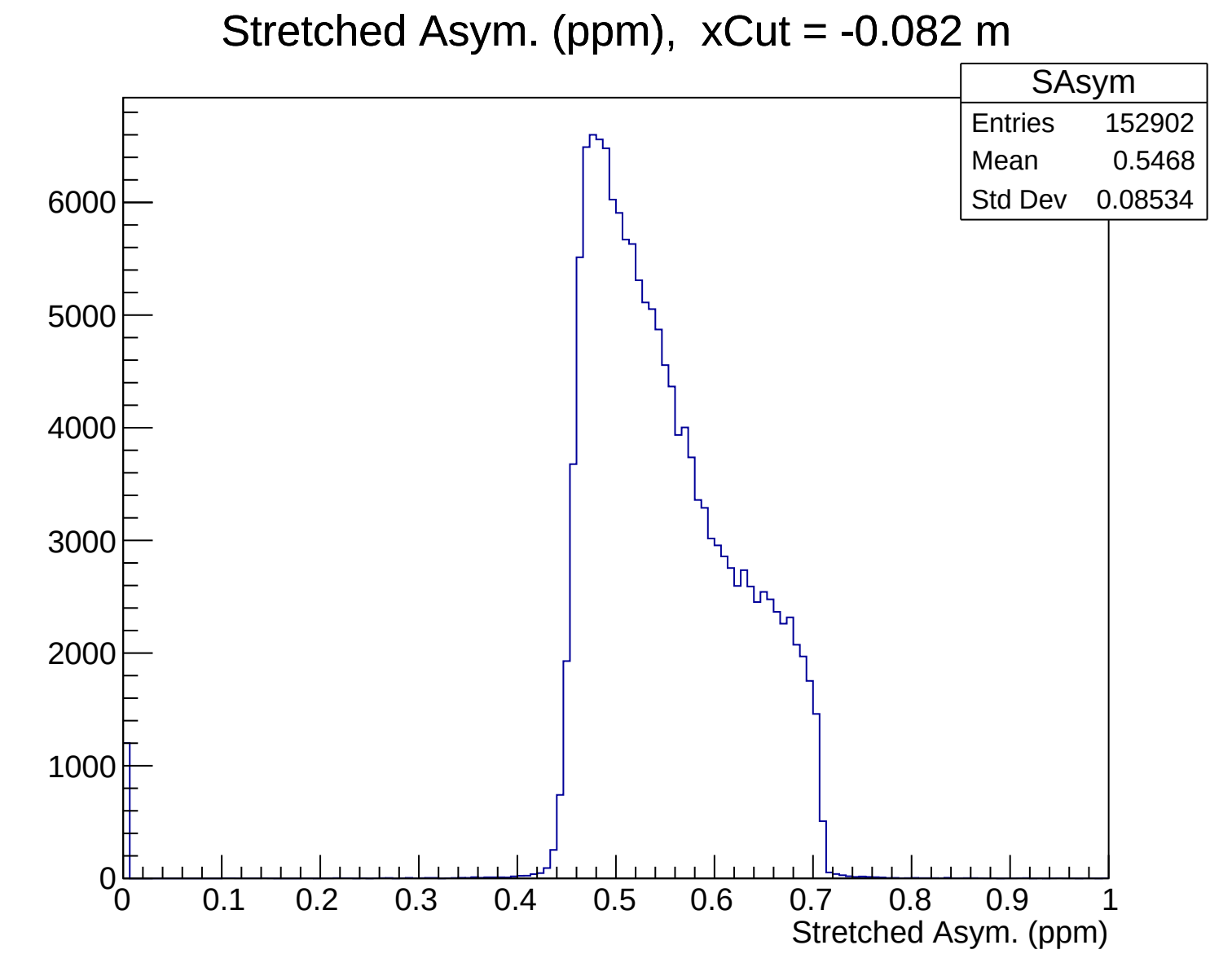

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

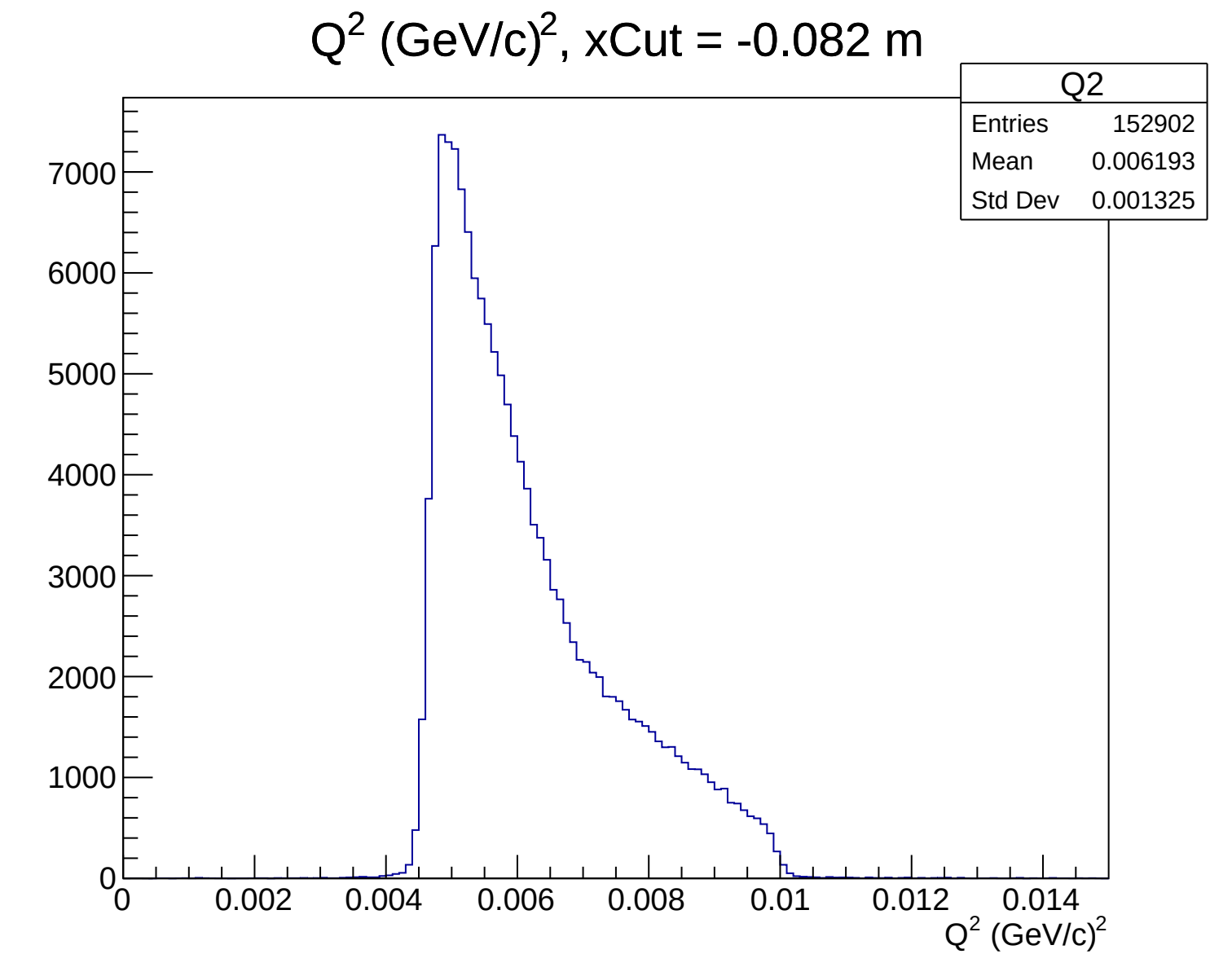

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.082
L.tr.x[0]+1.3*L.tr.th[0] (m)

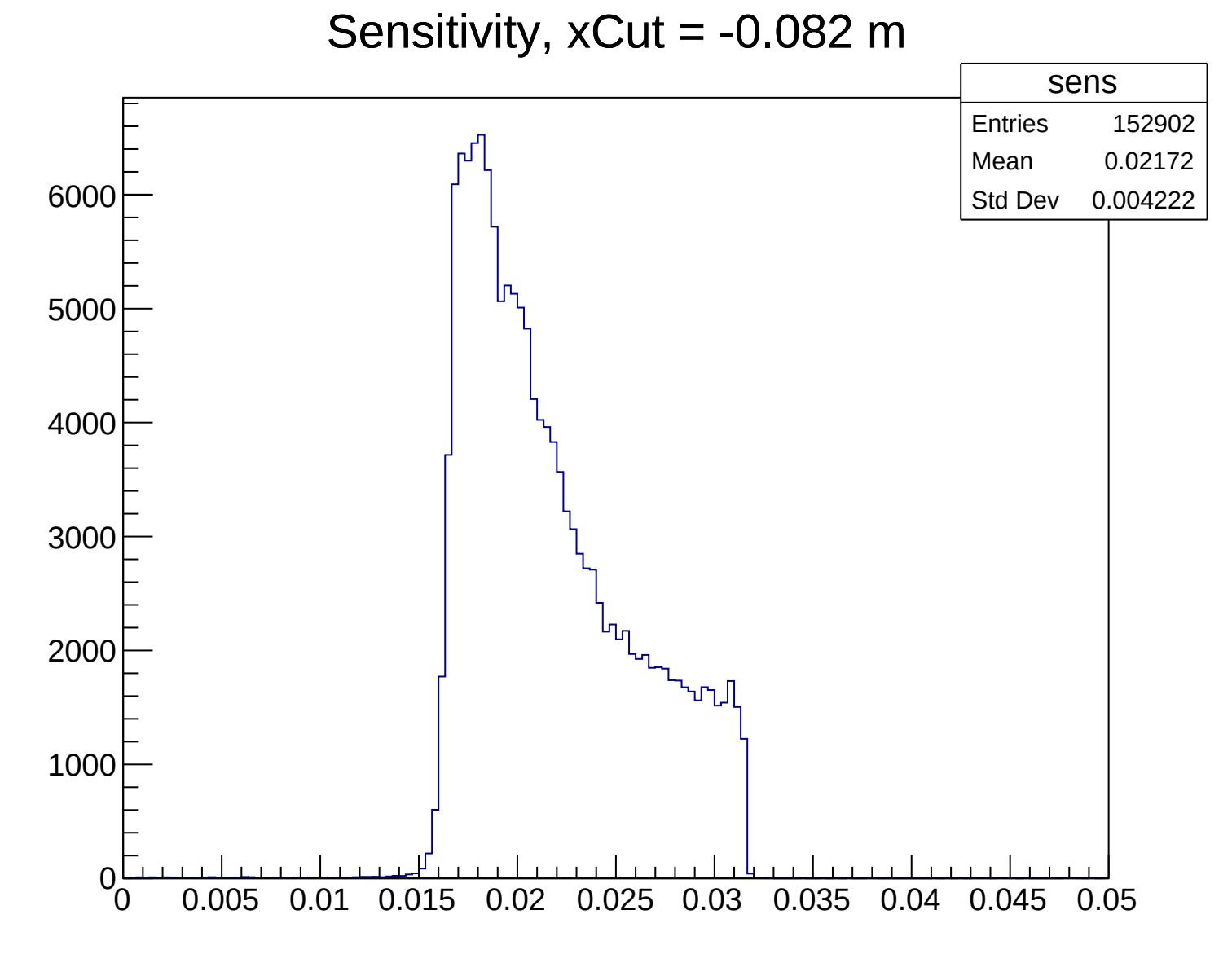

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

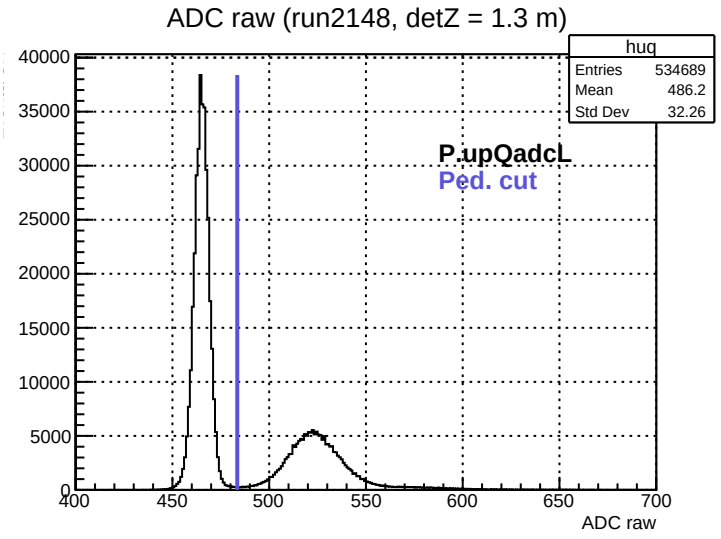

θlab (deg), xCut = -0.082 m
Theta
Entries 152902
Mean 4.733
Std Dev 0.4918
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

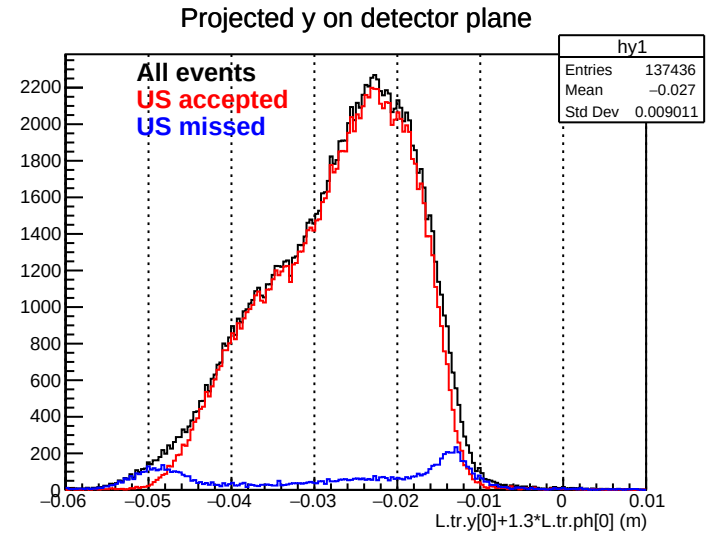

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 152902
Mean 0.5593
Std Dev 0.08934
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

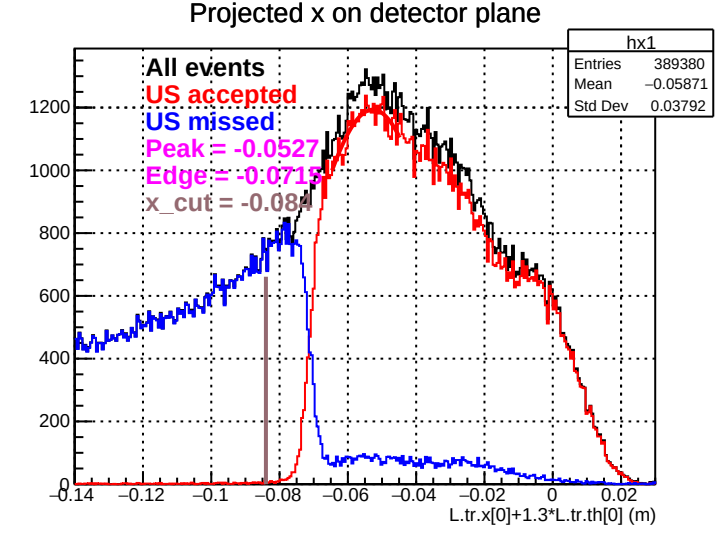

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 152902
Mean 0.5468
Std Dev 0.08534
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

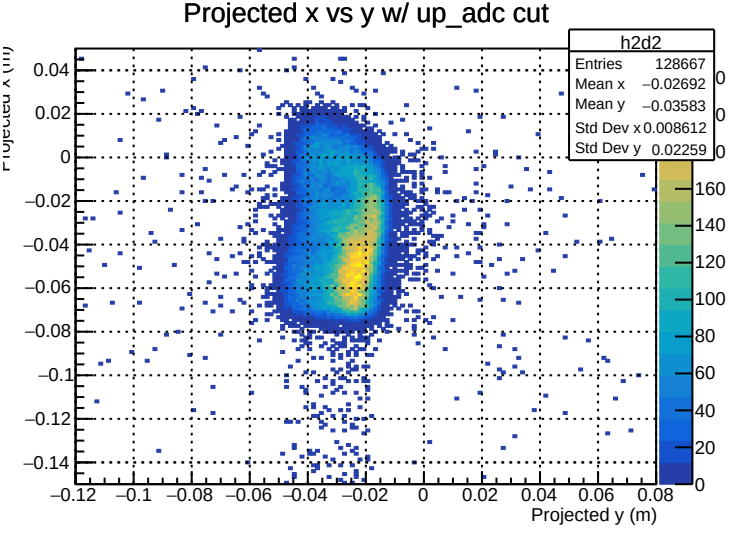

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 152902
Mean 0.006193
Std Dev 0.001325
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

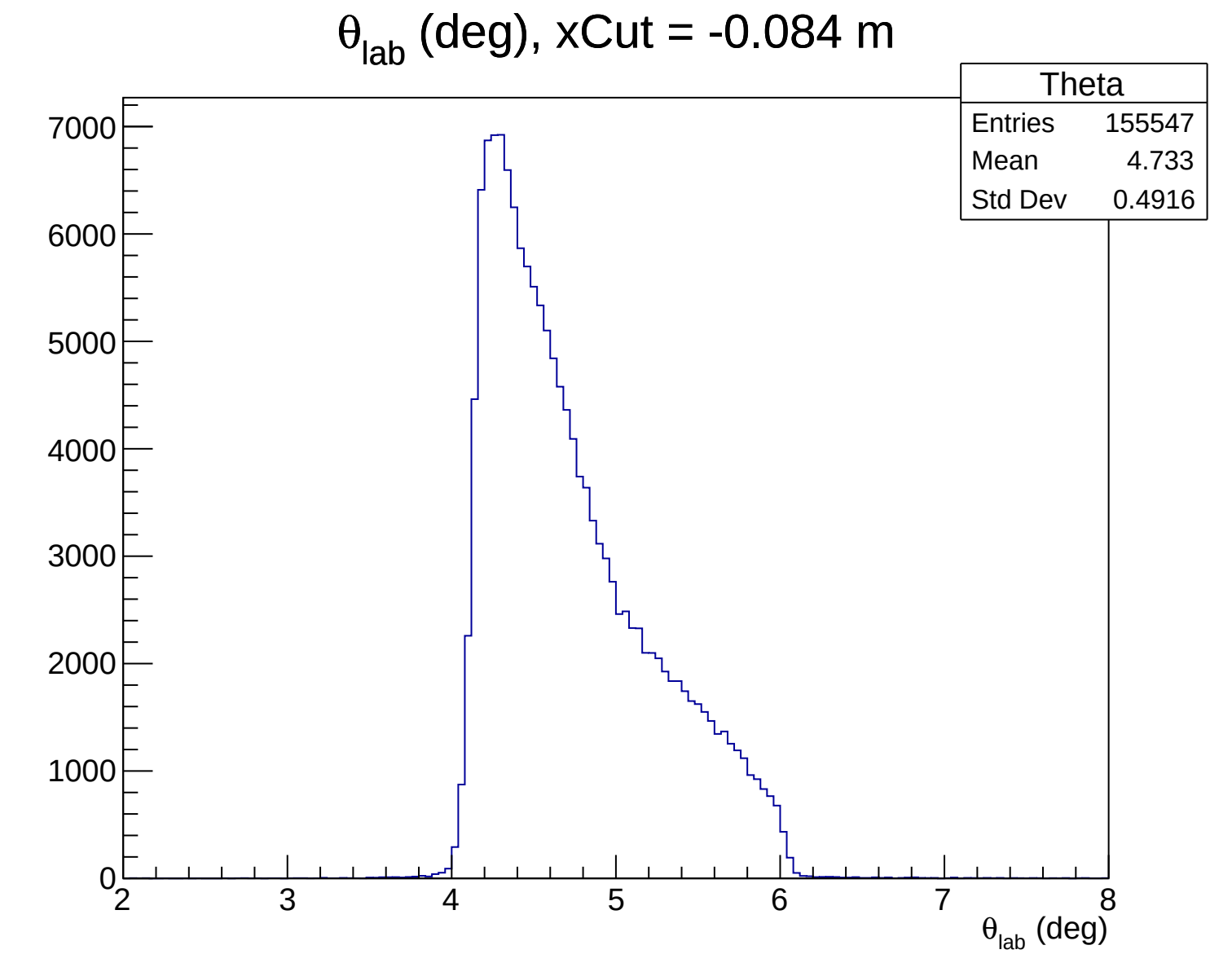

Sensitivity, xCut = -0.082 m
sens
Entries 152902
Mean 0.02172
Std Dev 0.004222
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

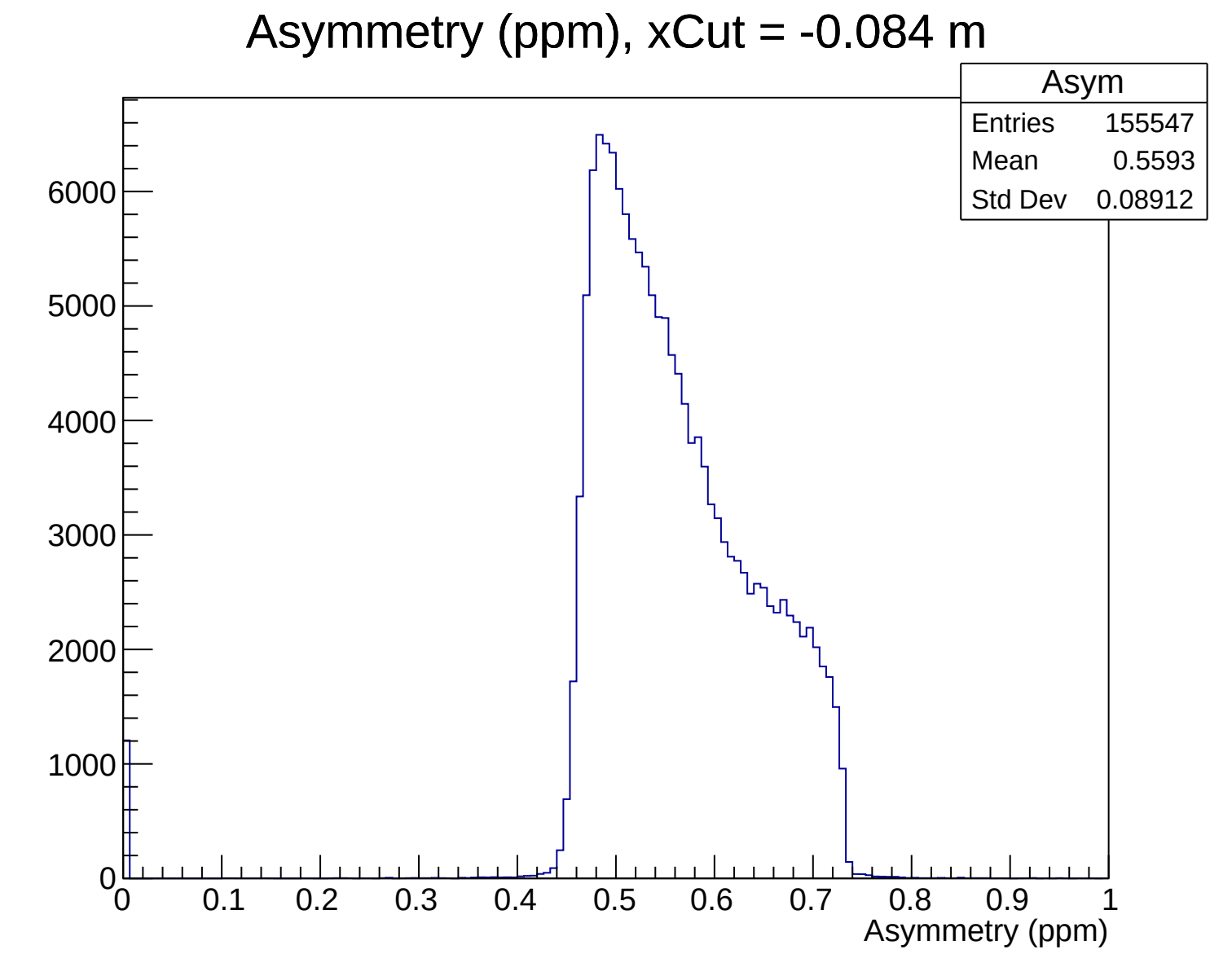

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

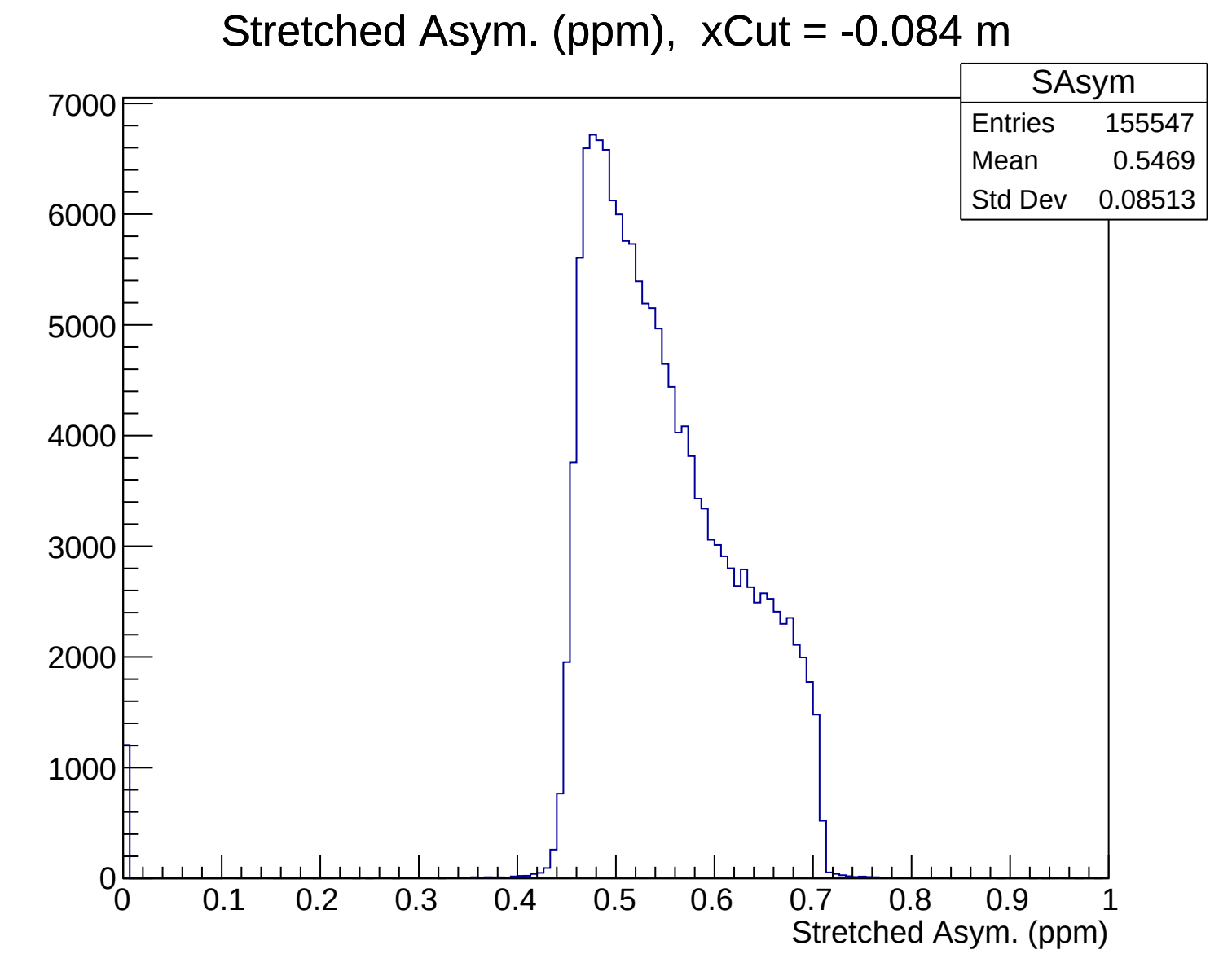

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

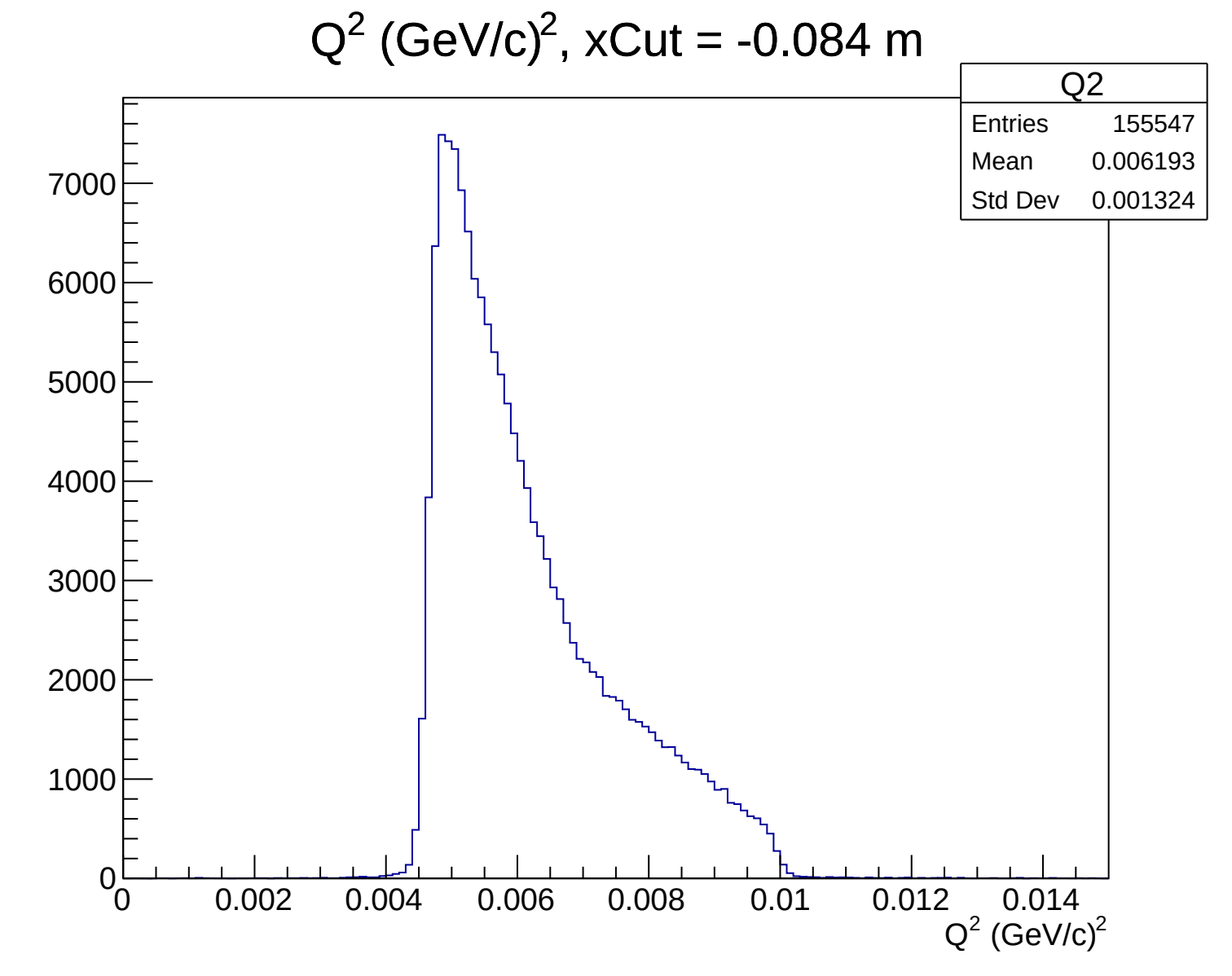

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

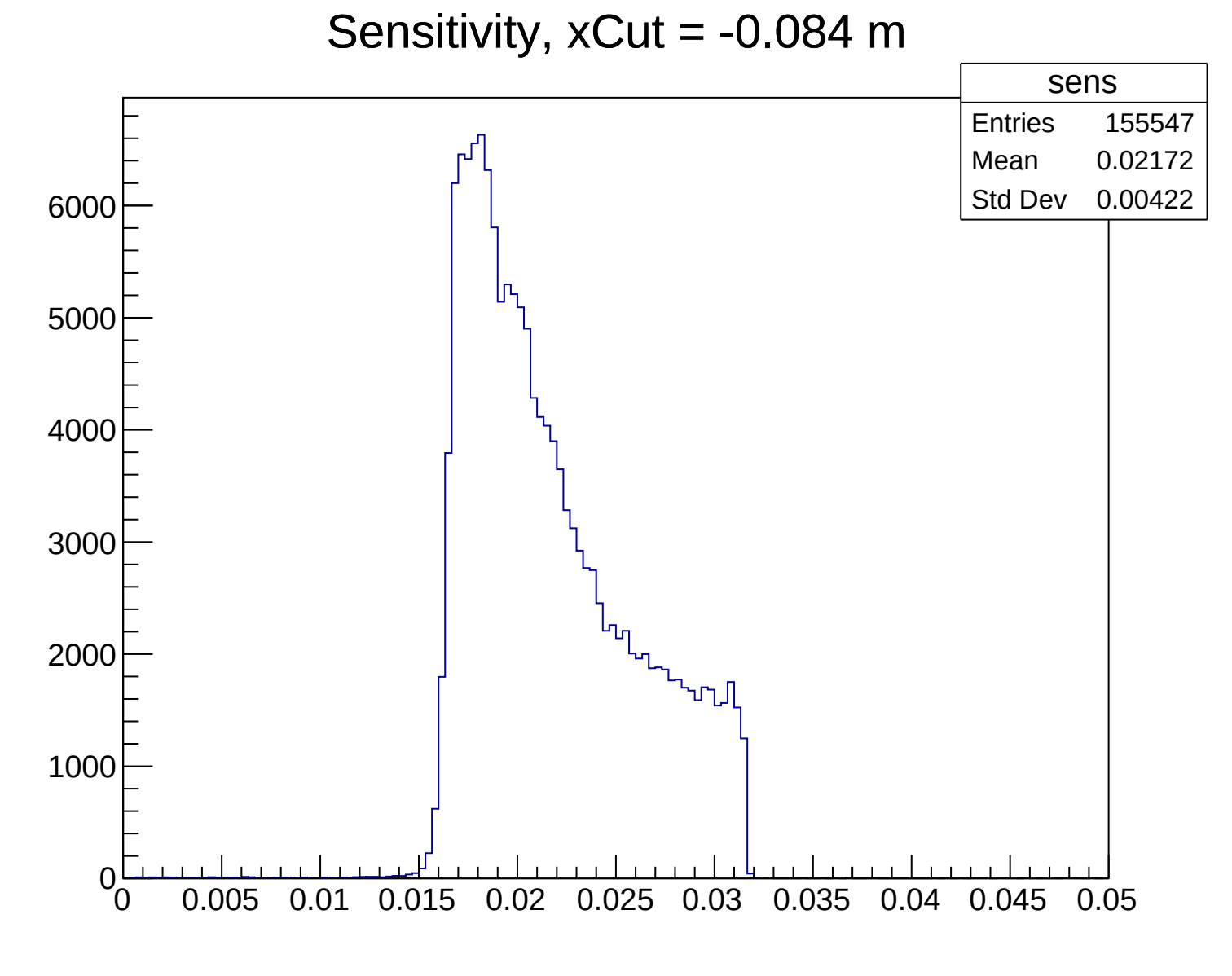

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

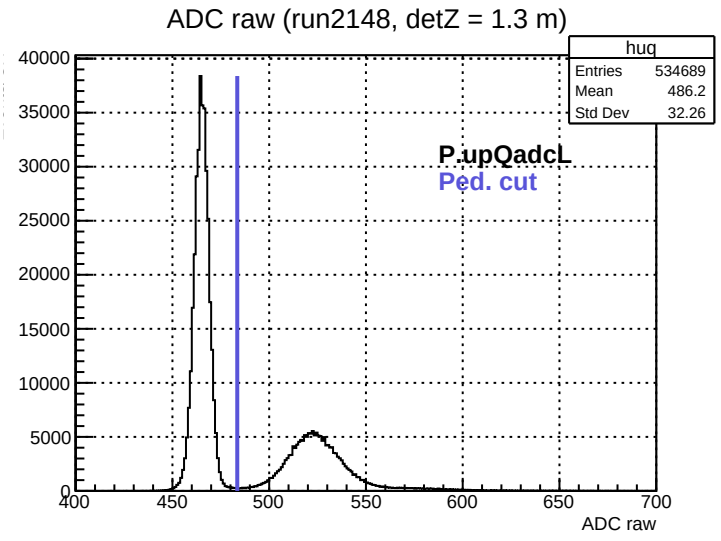

θlab (deg), xCut = -0.084 m
Theta
Entries 155547
Mean 4.733
Std Dev 0.4916
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

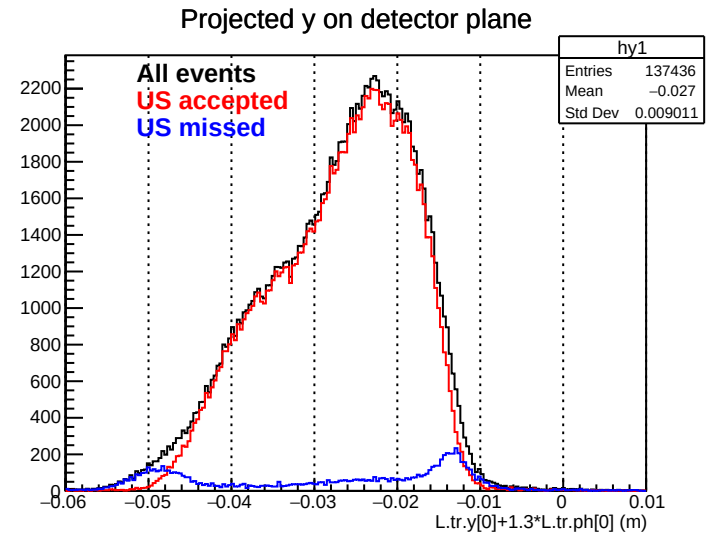

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 155547
Mean 0.5593
Std Dev 0.08912
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

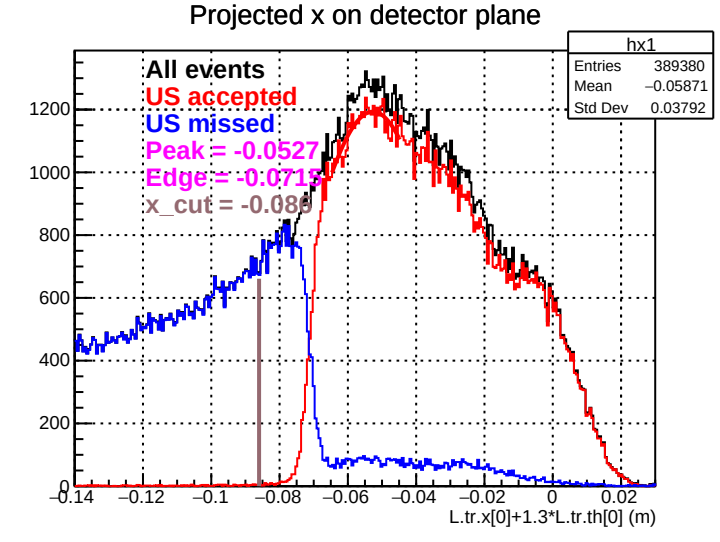

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 155547
Mean 0.5469
Std Dev 0.08513
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

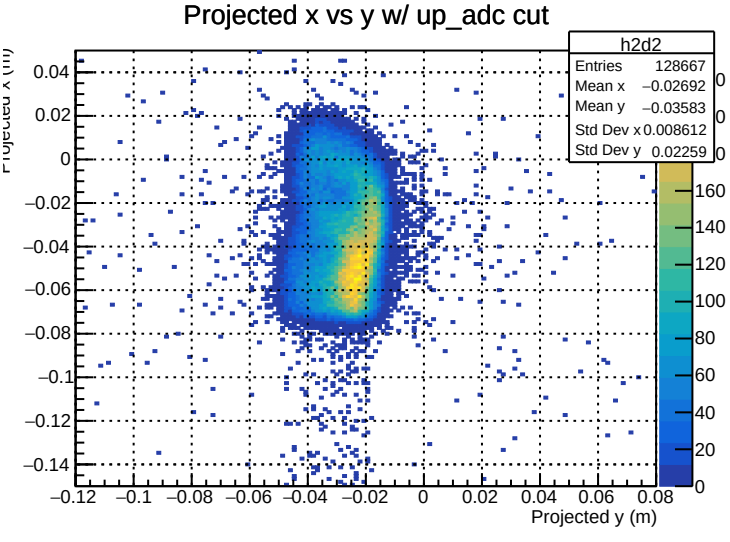

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 155547
Mean 0.006193
Std Dev 0.001324
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

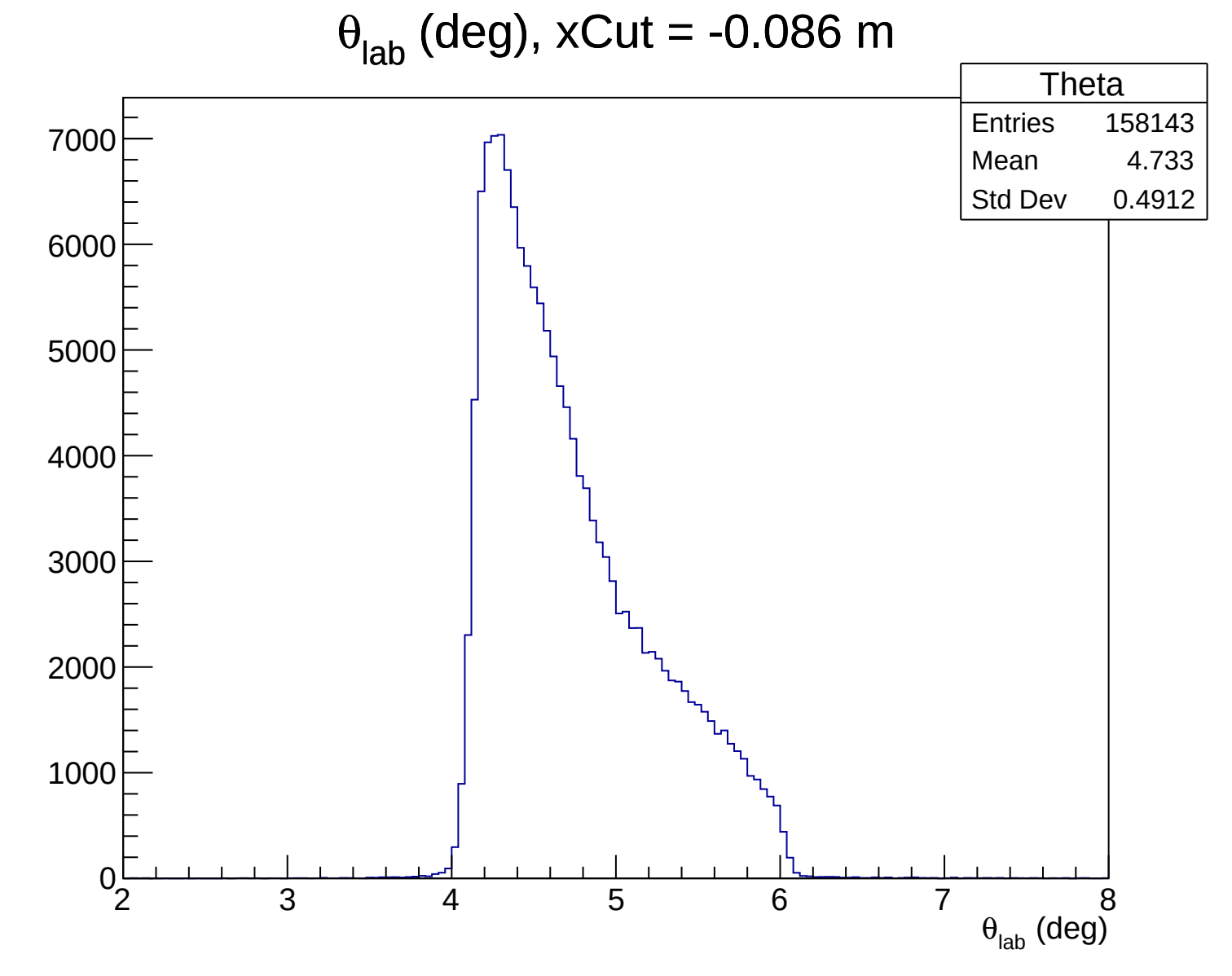

Sensitivity, xCut = -0.084 m
sens
Entries 155547
Mean 0.02172
Std Dev 0.00422
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

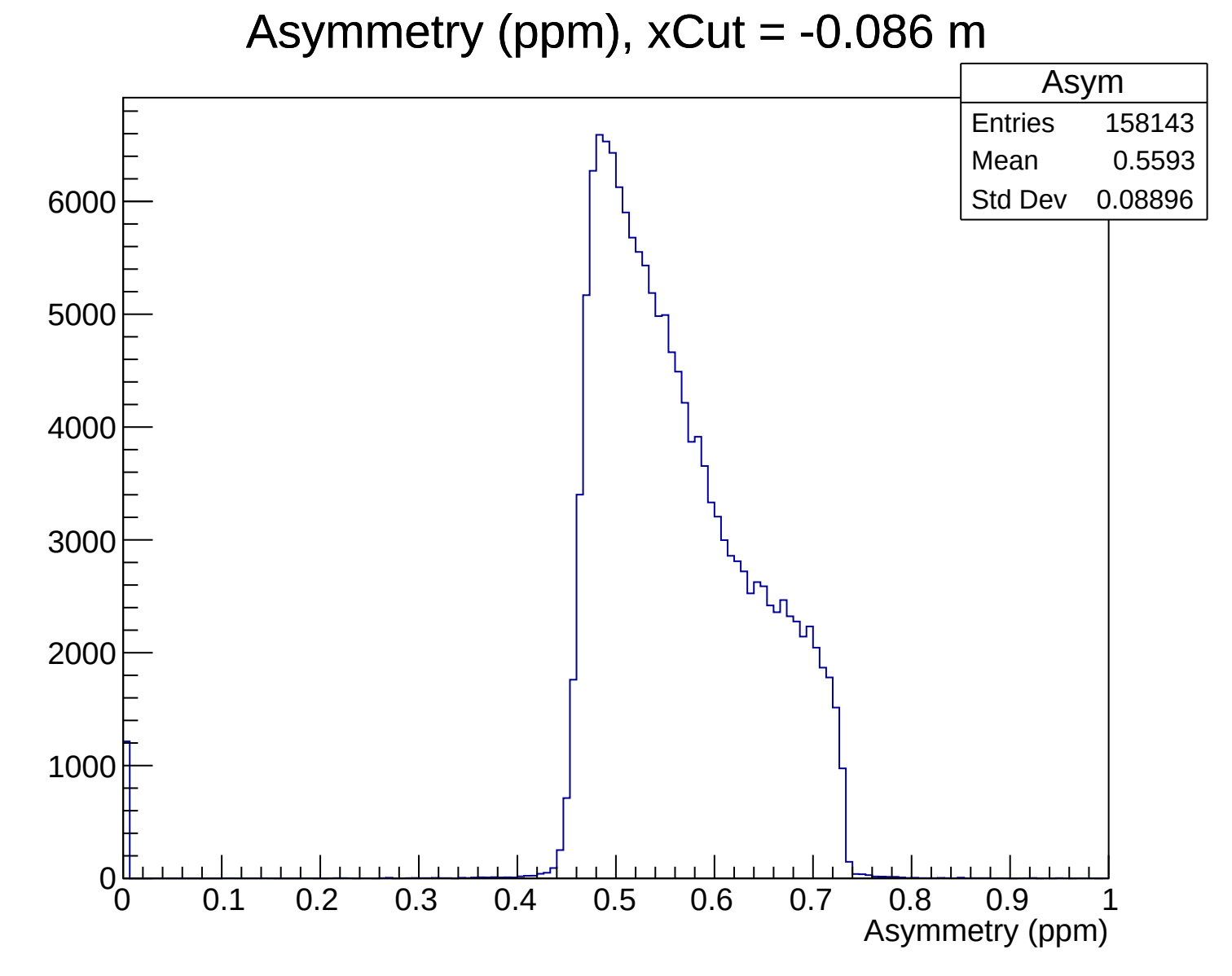

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

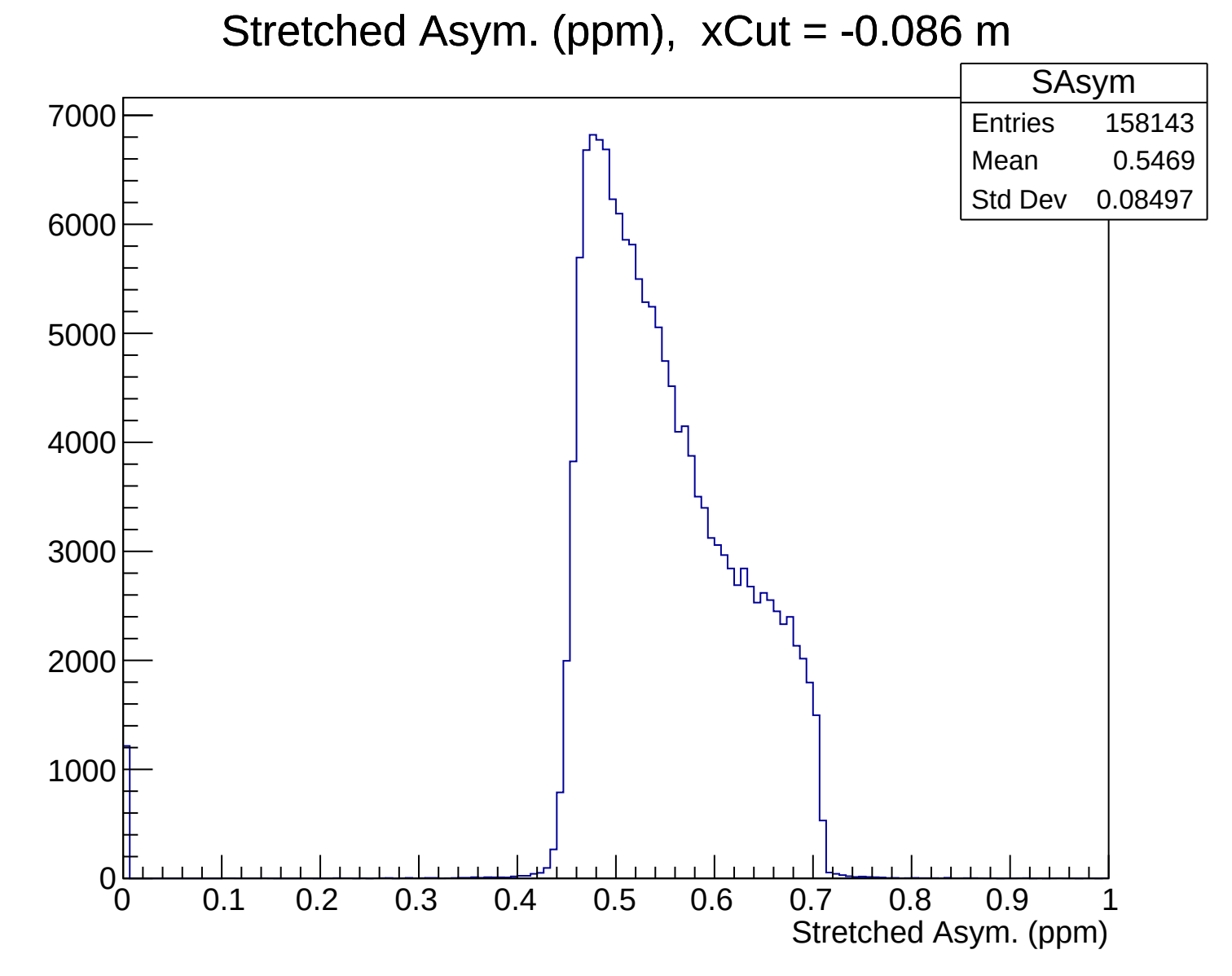

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

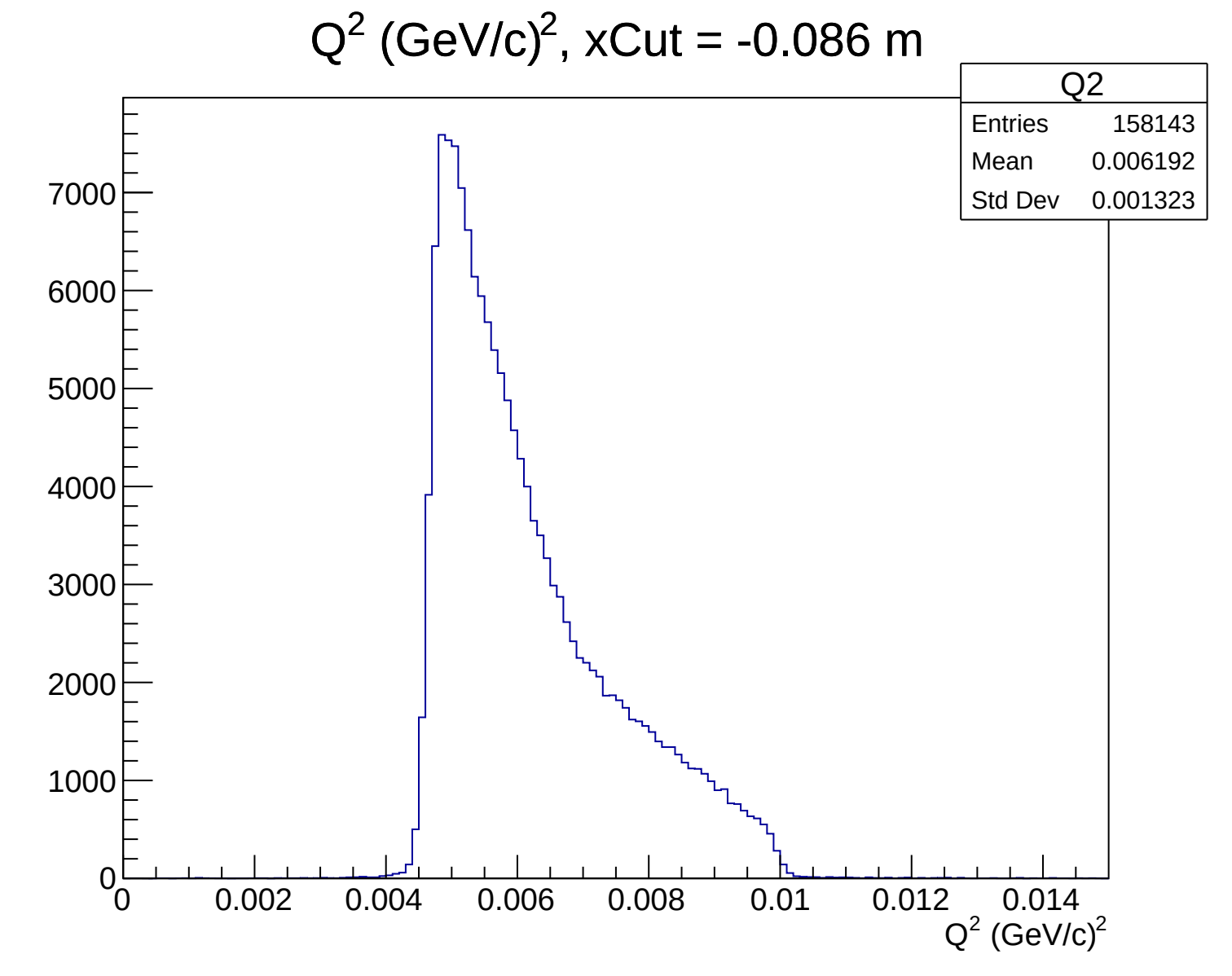

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

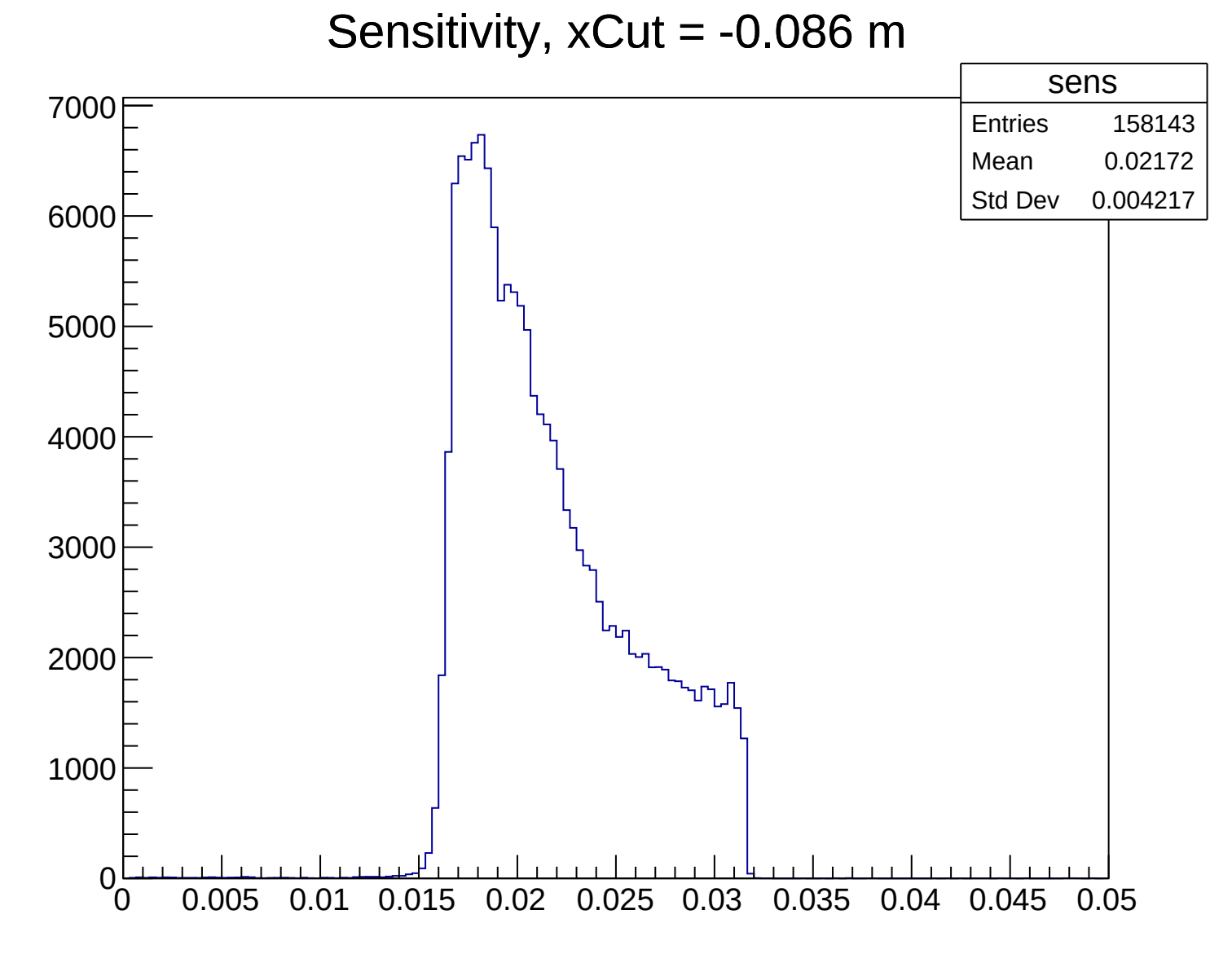

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

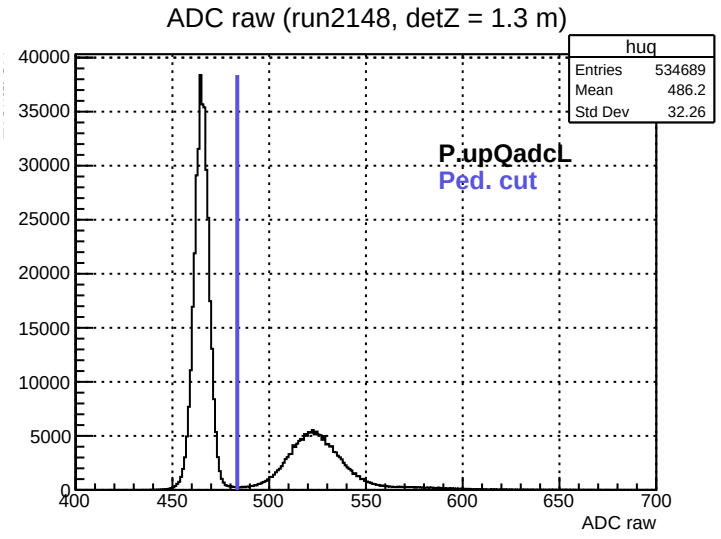

θlab (deg), xCut = -0.086 m
Theta
Entries 158143
Mean 4.733
Std Dev 0.4912
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

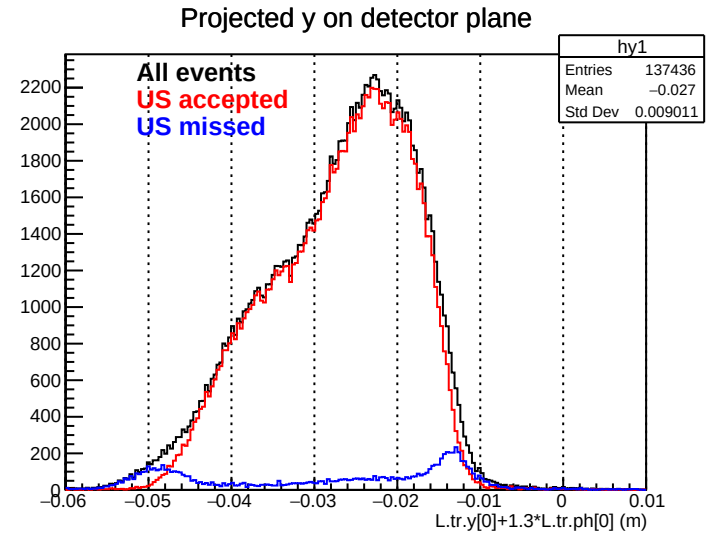

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 158143
Mean 0.5593
Std Dev 0.08896
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

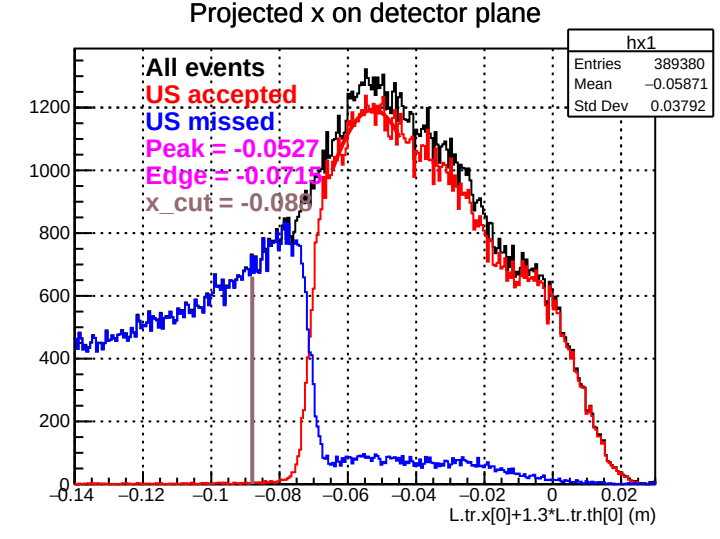

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 158143
Mean 0.5469
Std Dev 0.08497
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

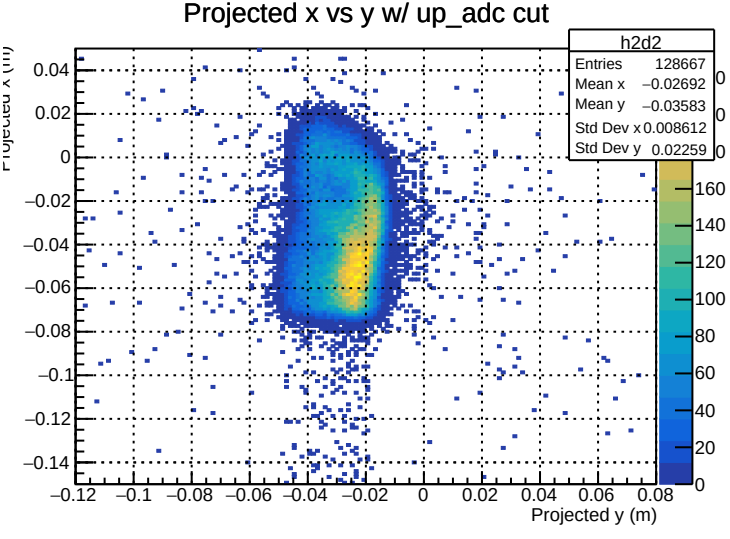

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 158143
Mean 0.006192
Std Dev 0.001323
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

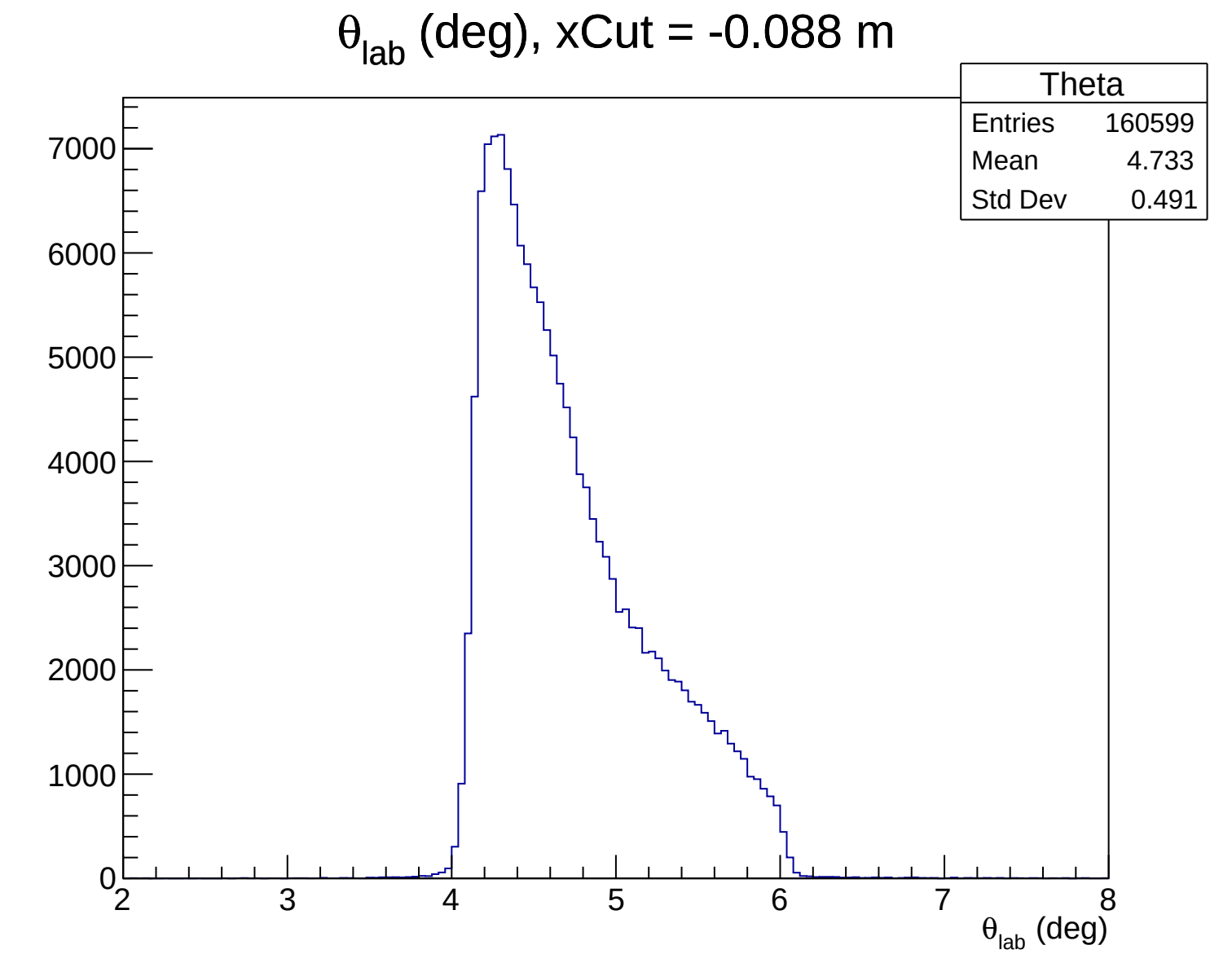

Sensitivity, xCut = -0.086 m
sens
Entries 158143
Mean 0.02172
Std Dev 0.004217
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

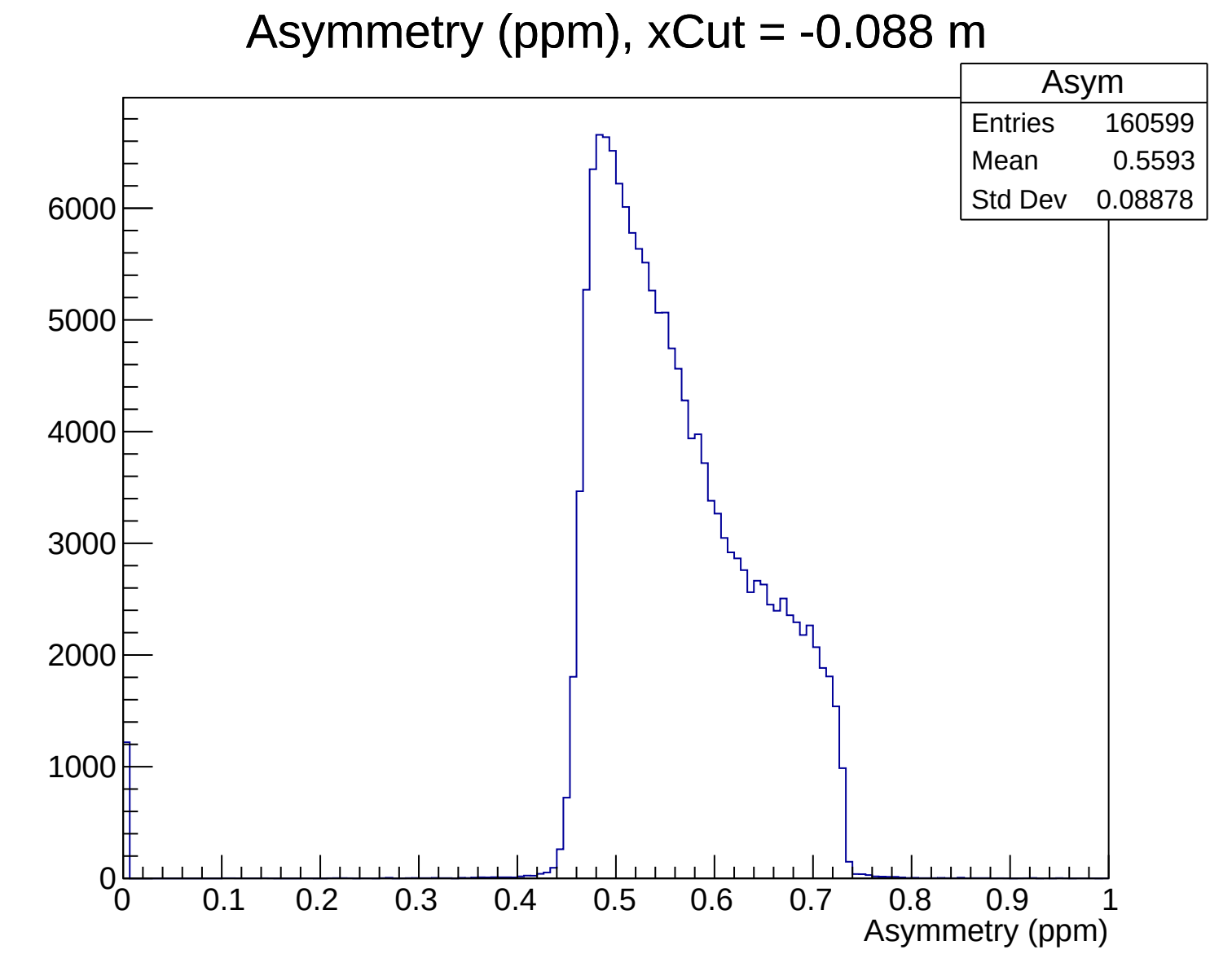

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

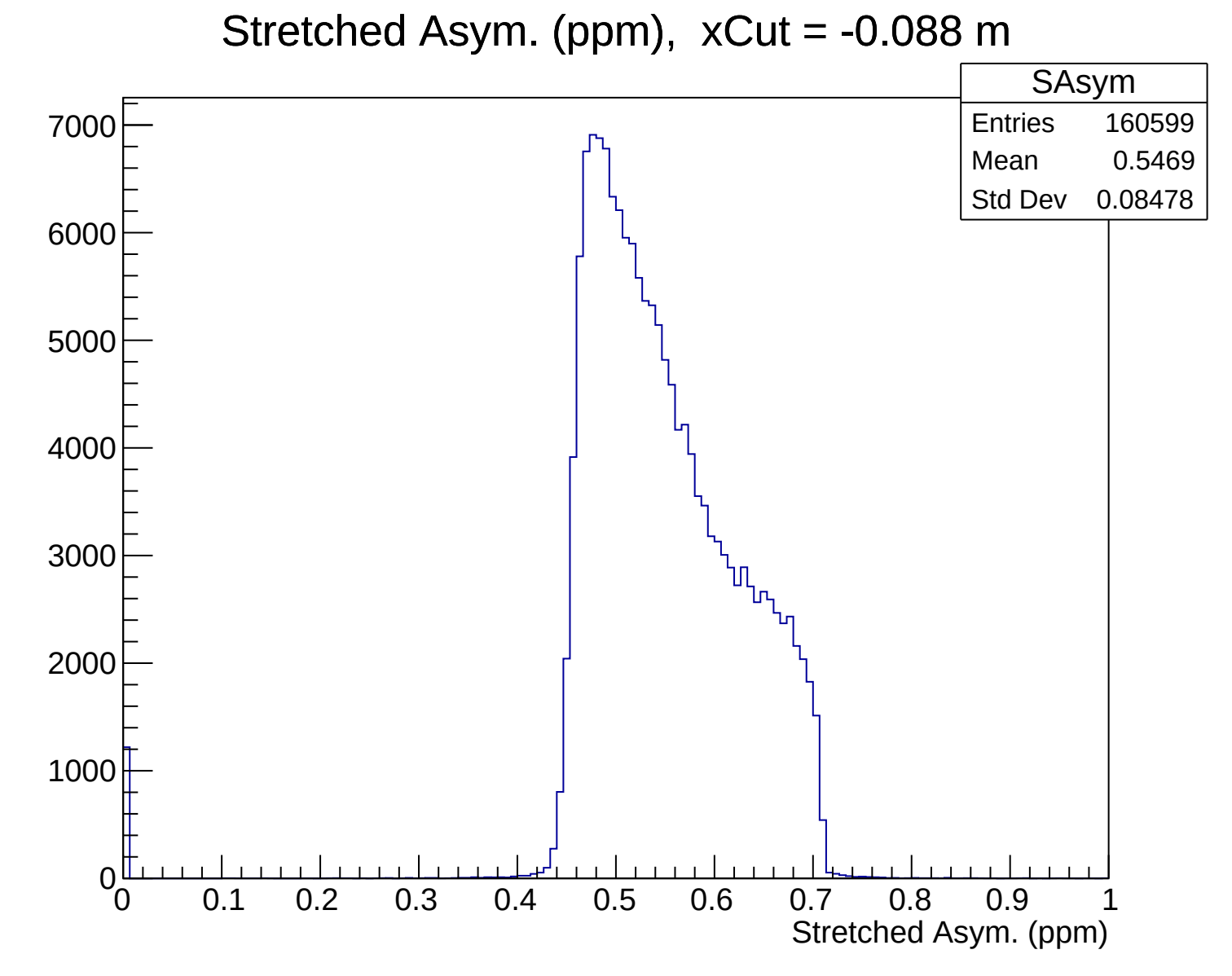

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

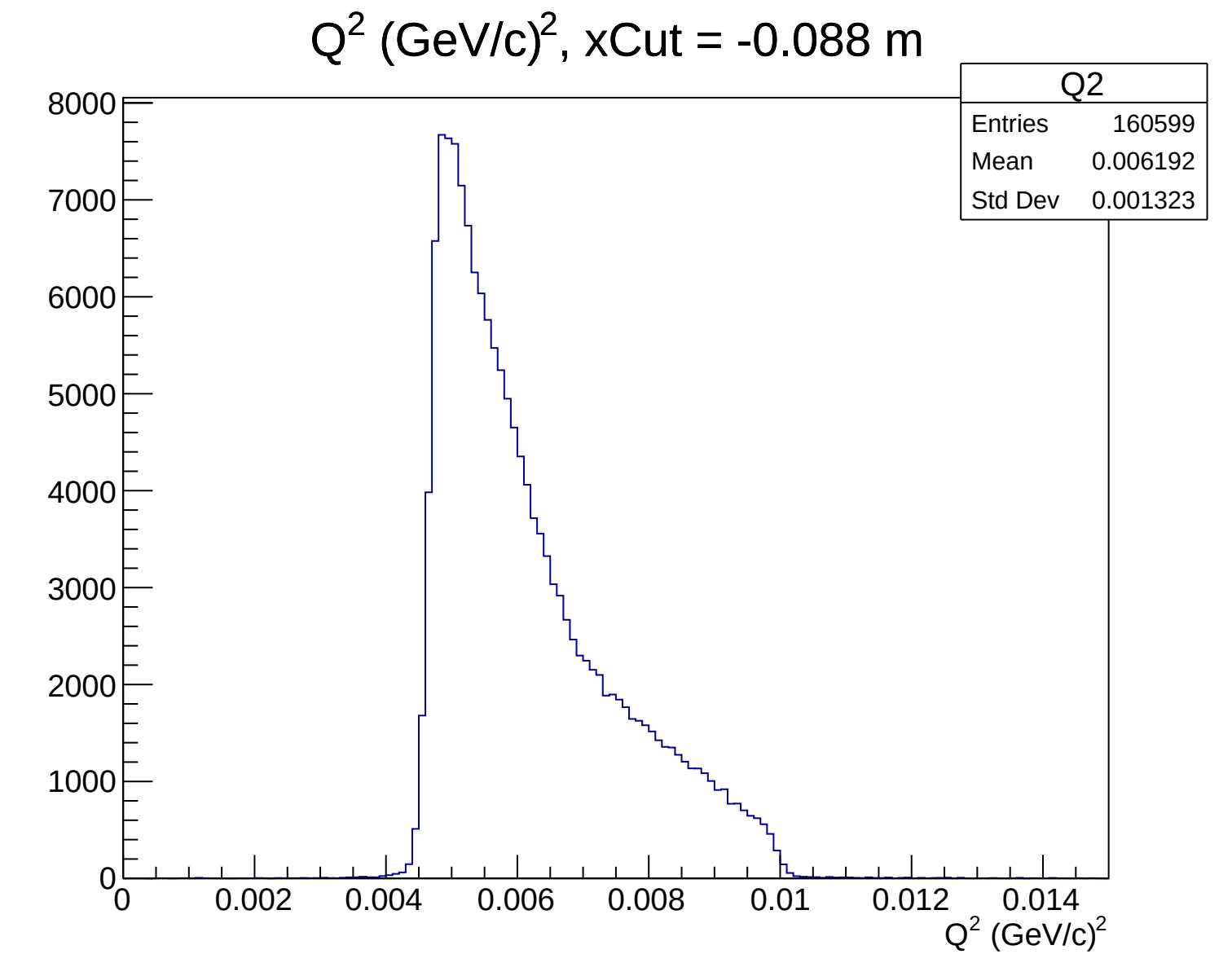

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

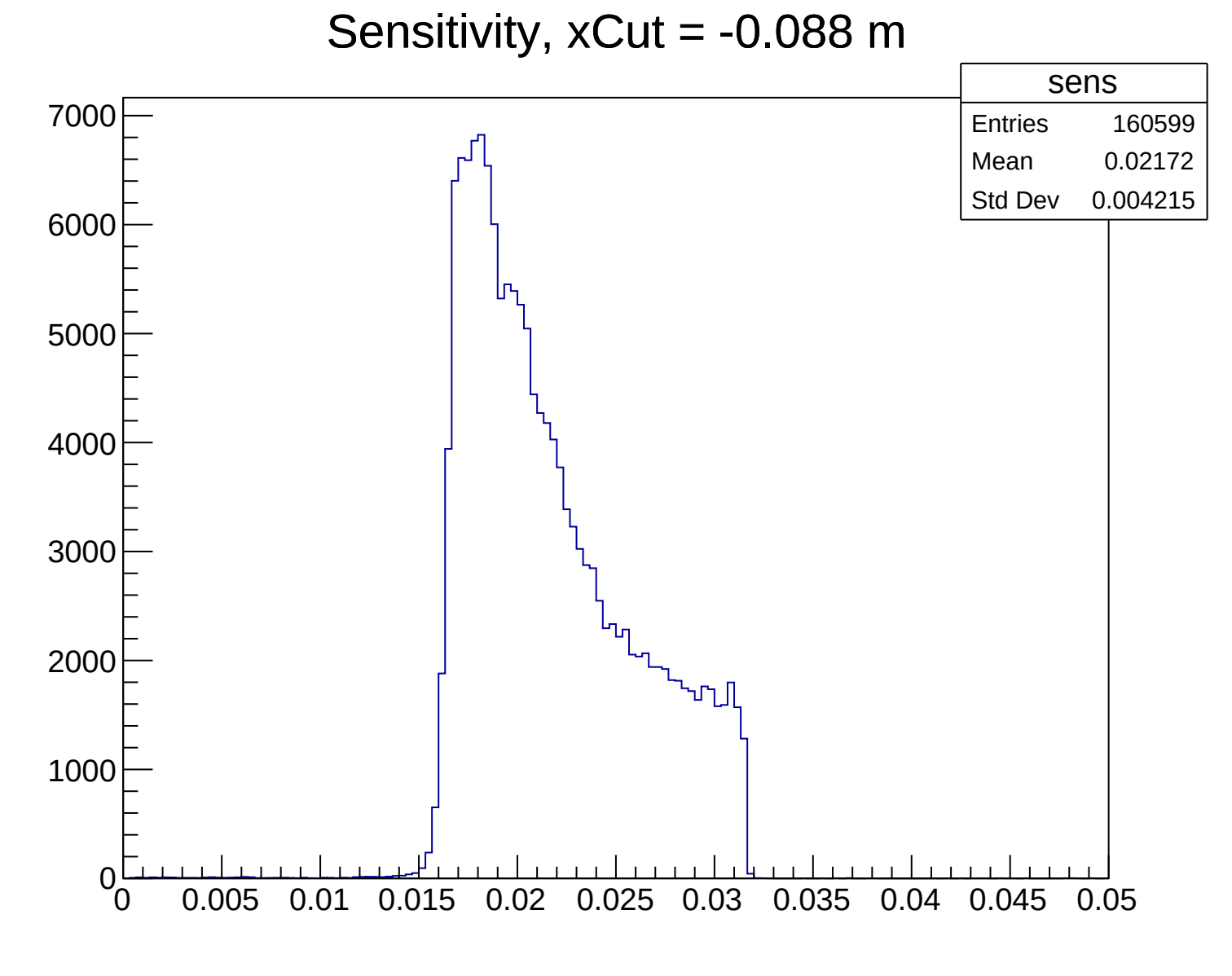

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

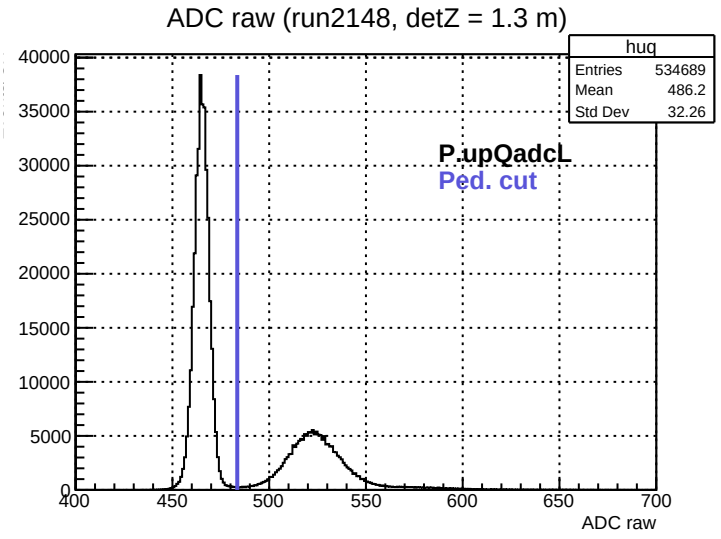

θlab (deg), xCut = -0.088 m
Theta
Entries 160599
Mean 4.733
Std Dev 0.491
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

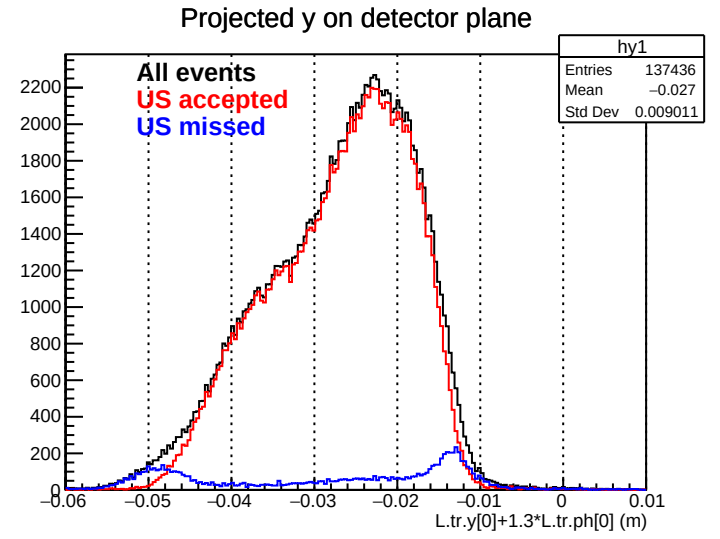

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 160599
Mean 0.5593
Std Dev 0.08878
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

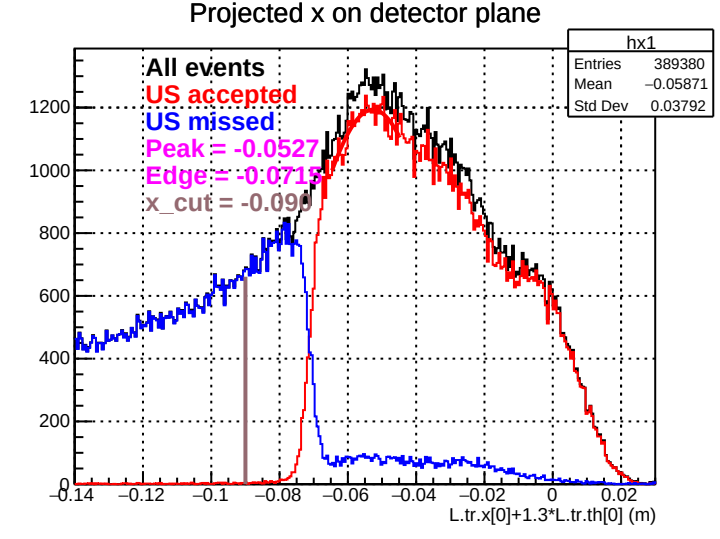

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 160599
Mean 0.5469
Std Dev 0.08478
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

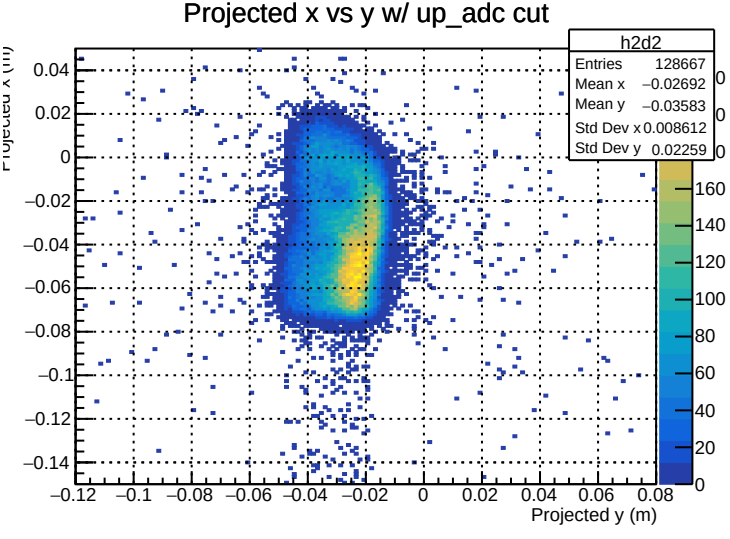

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 160599
Mean 0.006192
Std Dev 0.001323
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

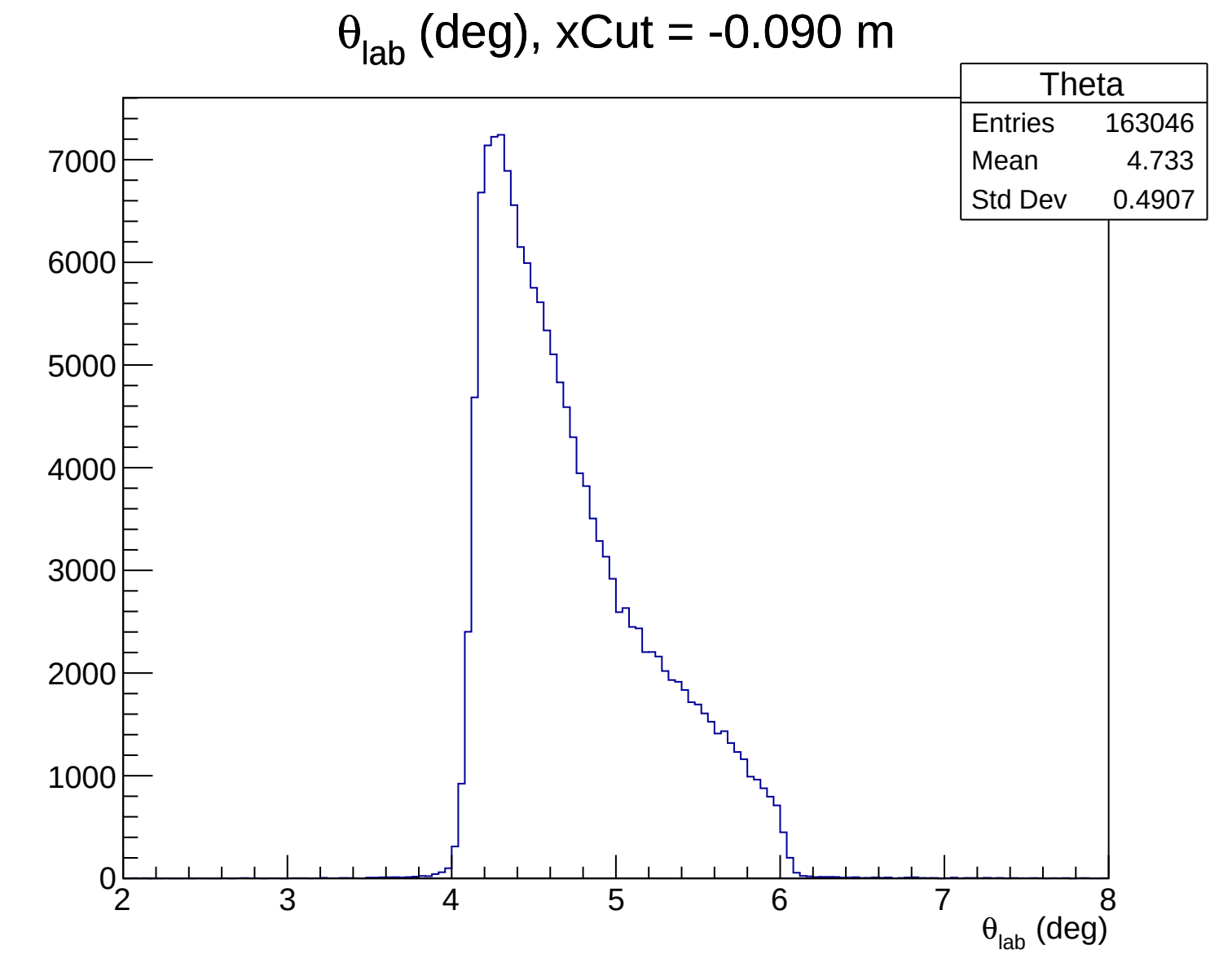

Sensitivity, xCut = -0.088 m
sens
Entries 160599
Mean 0.02172
Std Dev 0.004215
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

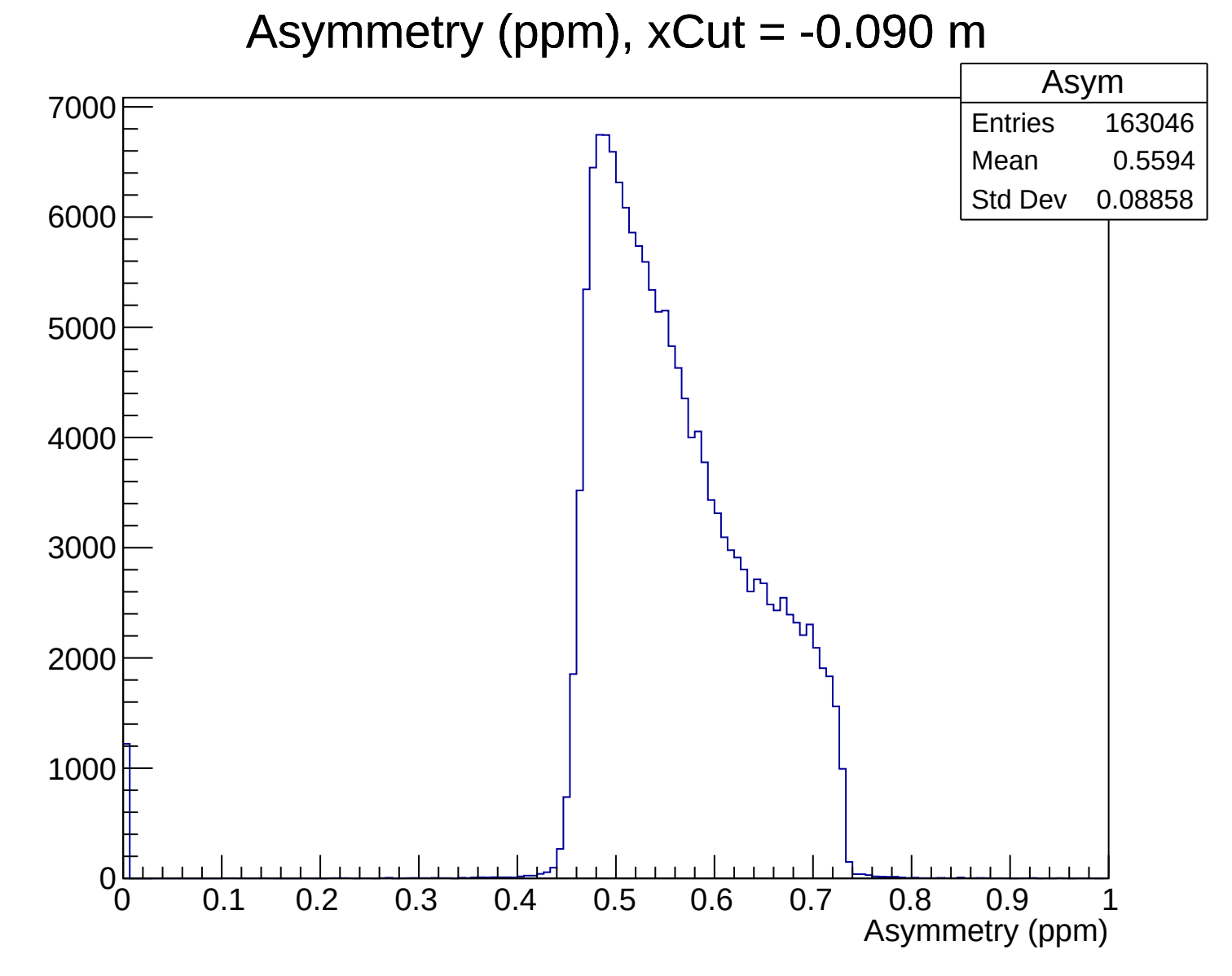

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

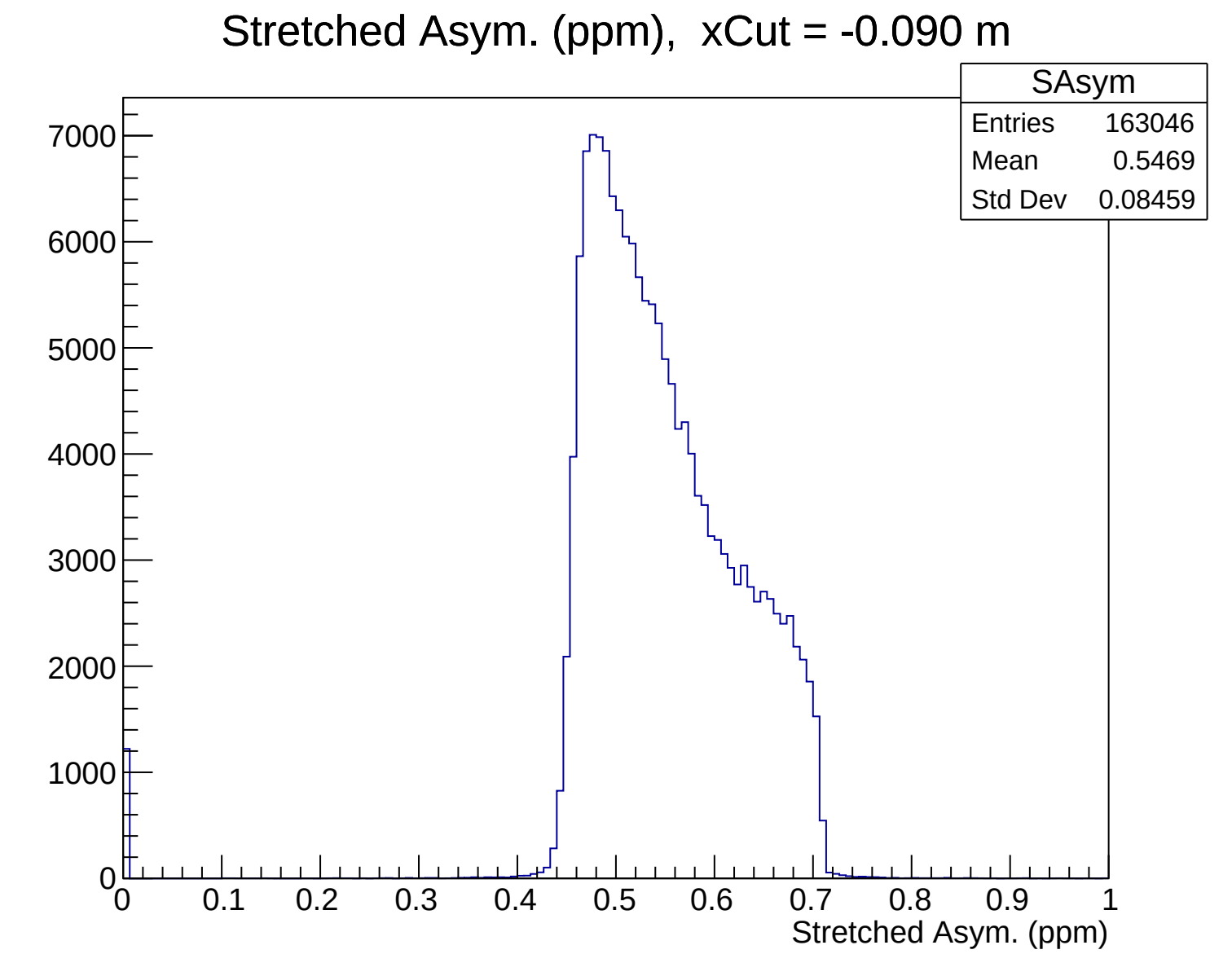

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

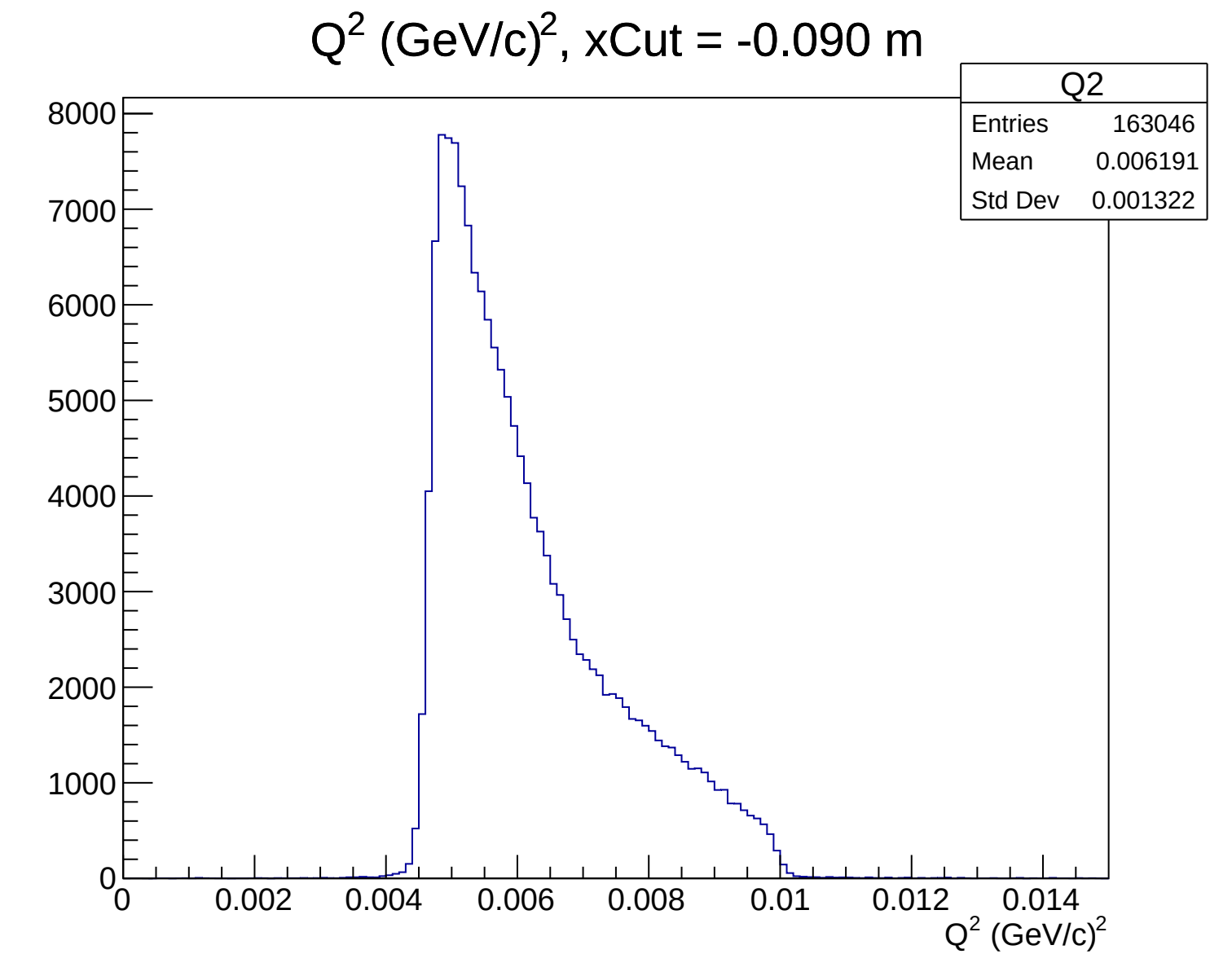

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

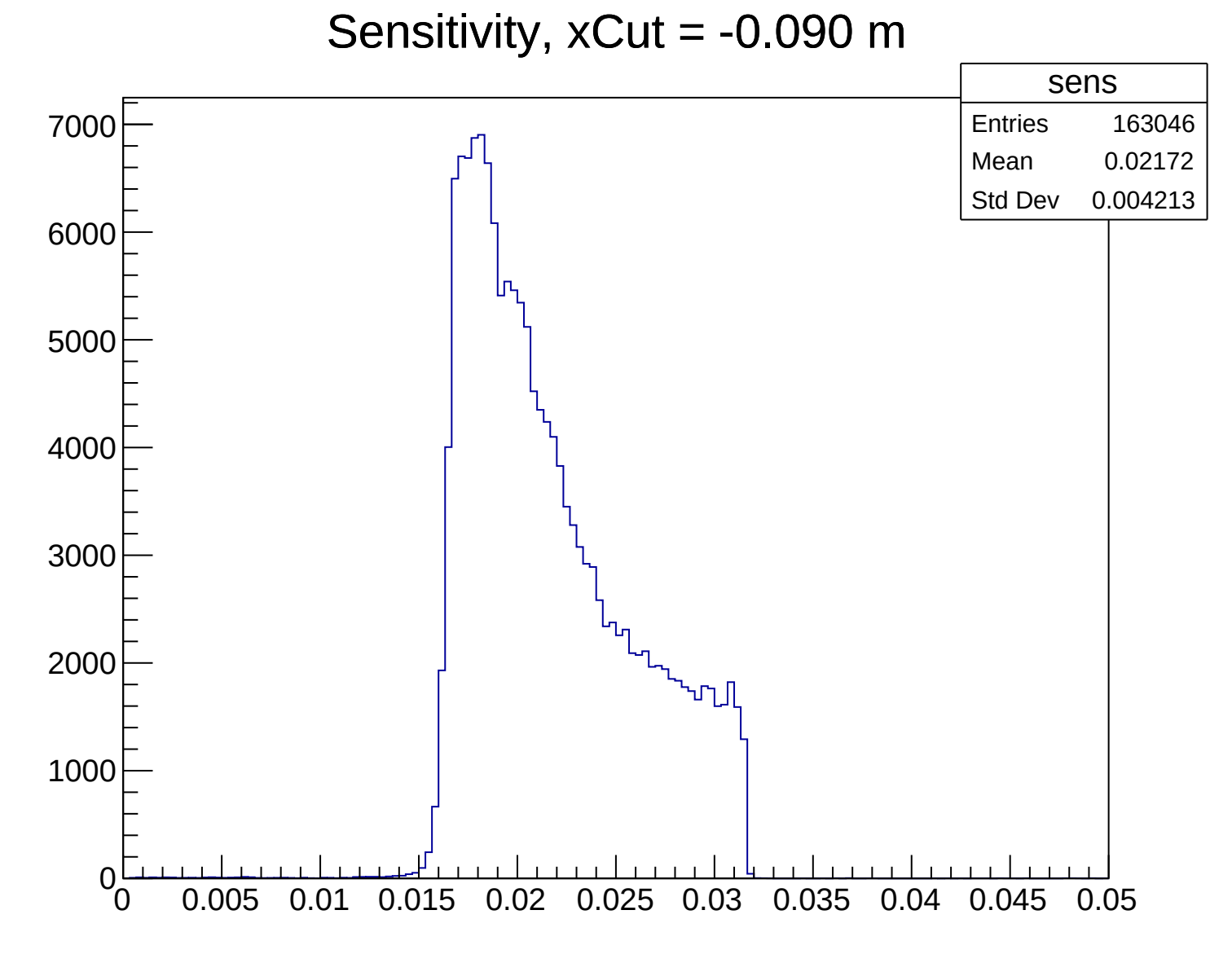

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

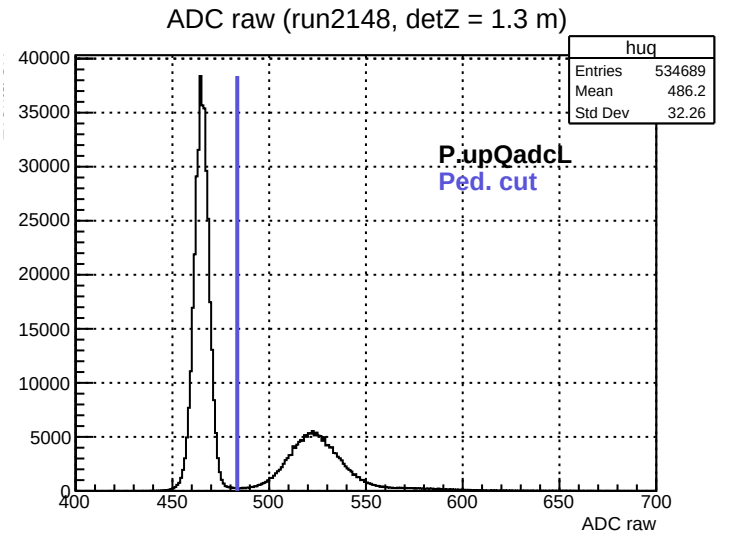

θlab (deg), xCut = -0.090 m
Theta
Entries 163046
Mean 4.733
Std Dev 0.4907
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

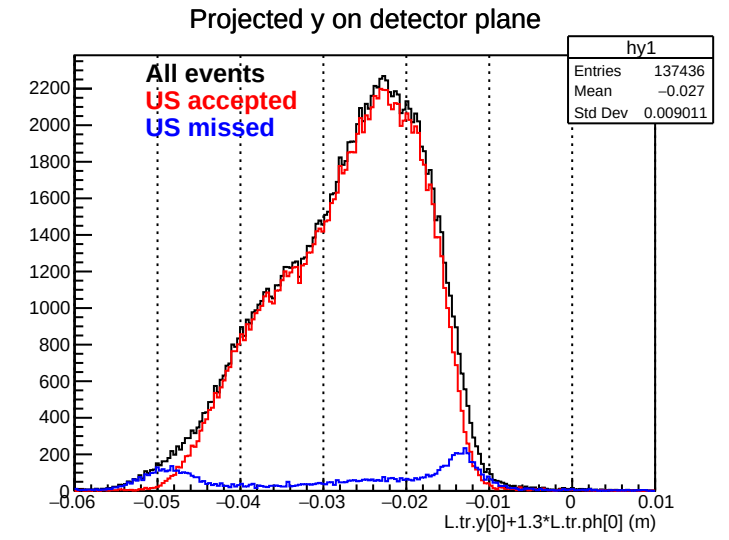

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 163046
Mean 0.5594
Std Dev 0.08858
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

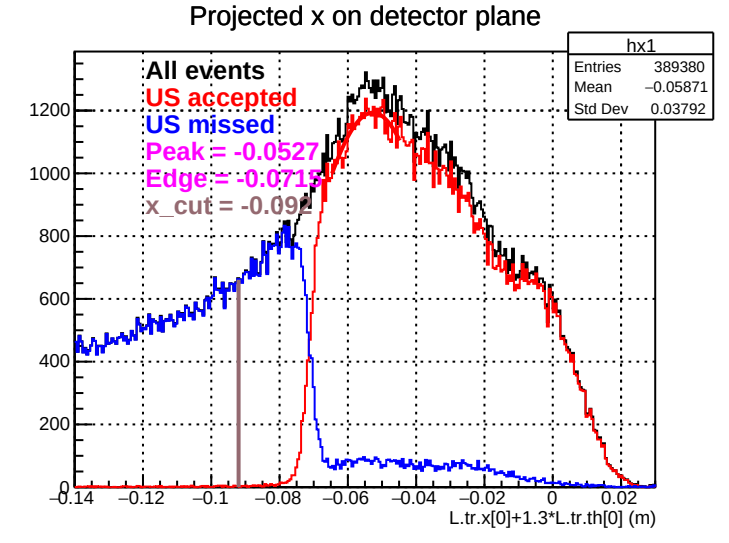

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 163046
Mean 0.5469
Std Dev 0.08459
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

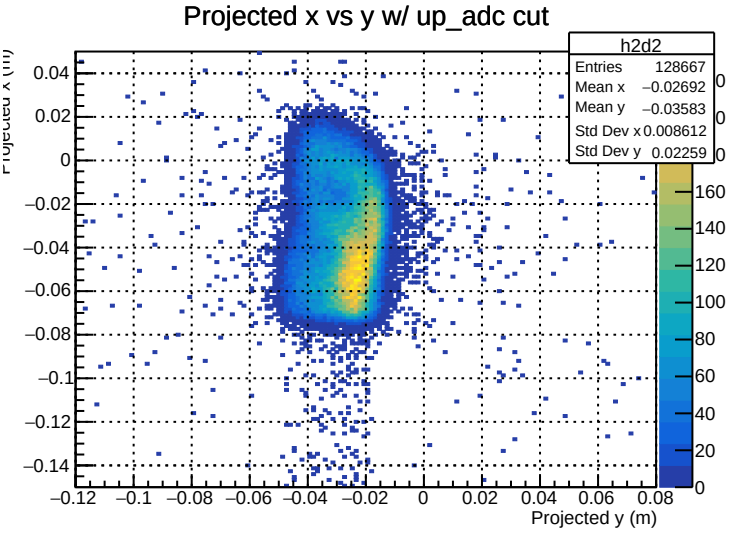

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 163046
Mean 0.006191
Std Dev 0.001322
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

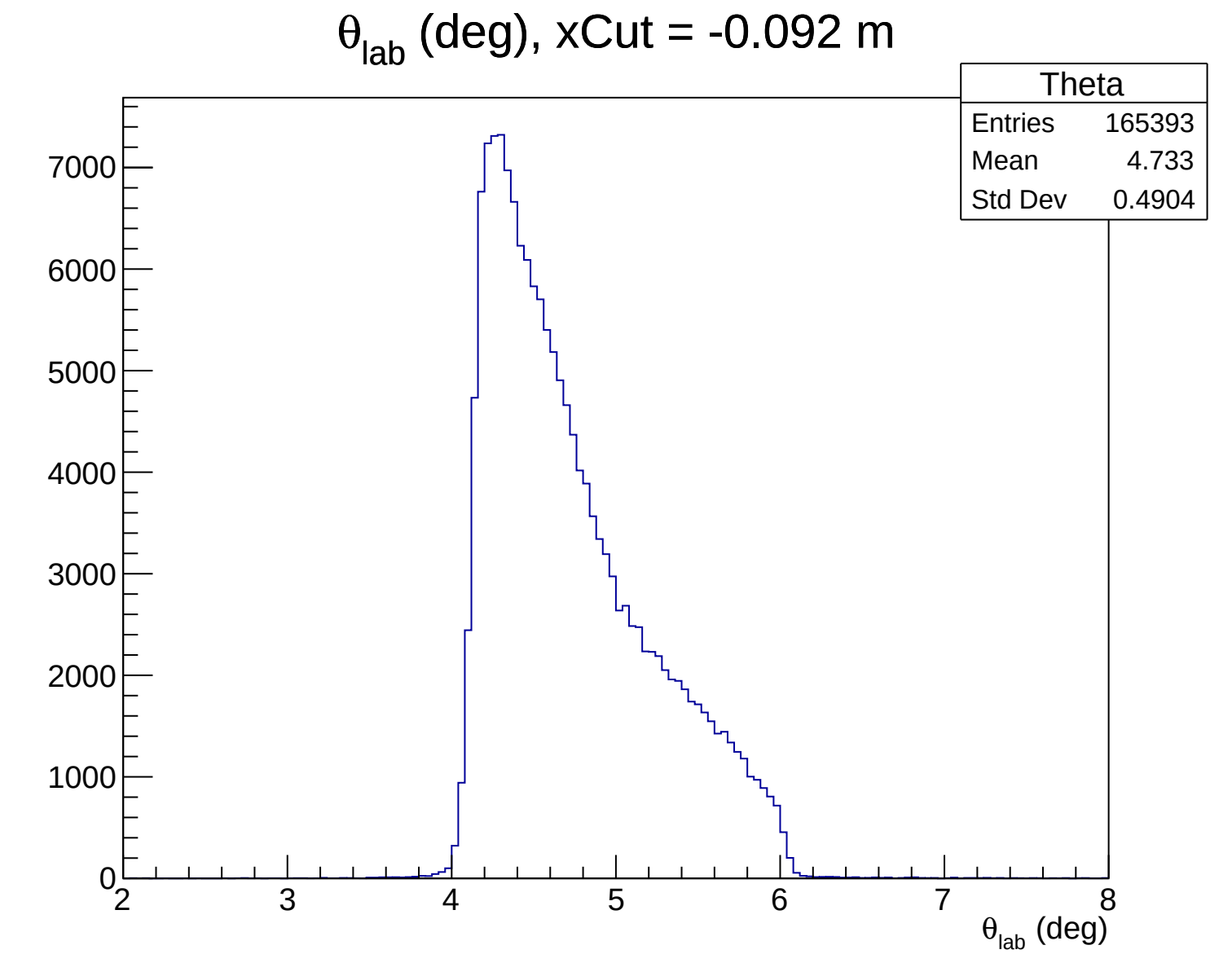

Sensitivity, xCut = -0.090 m
sens
Entries 163046
Mean 0.02172
Std Dev 0.004213
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

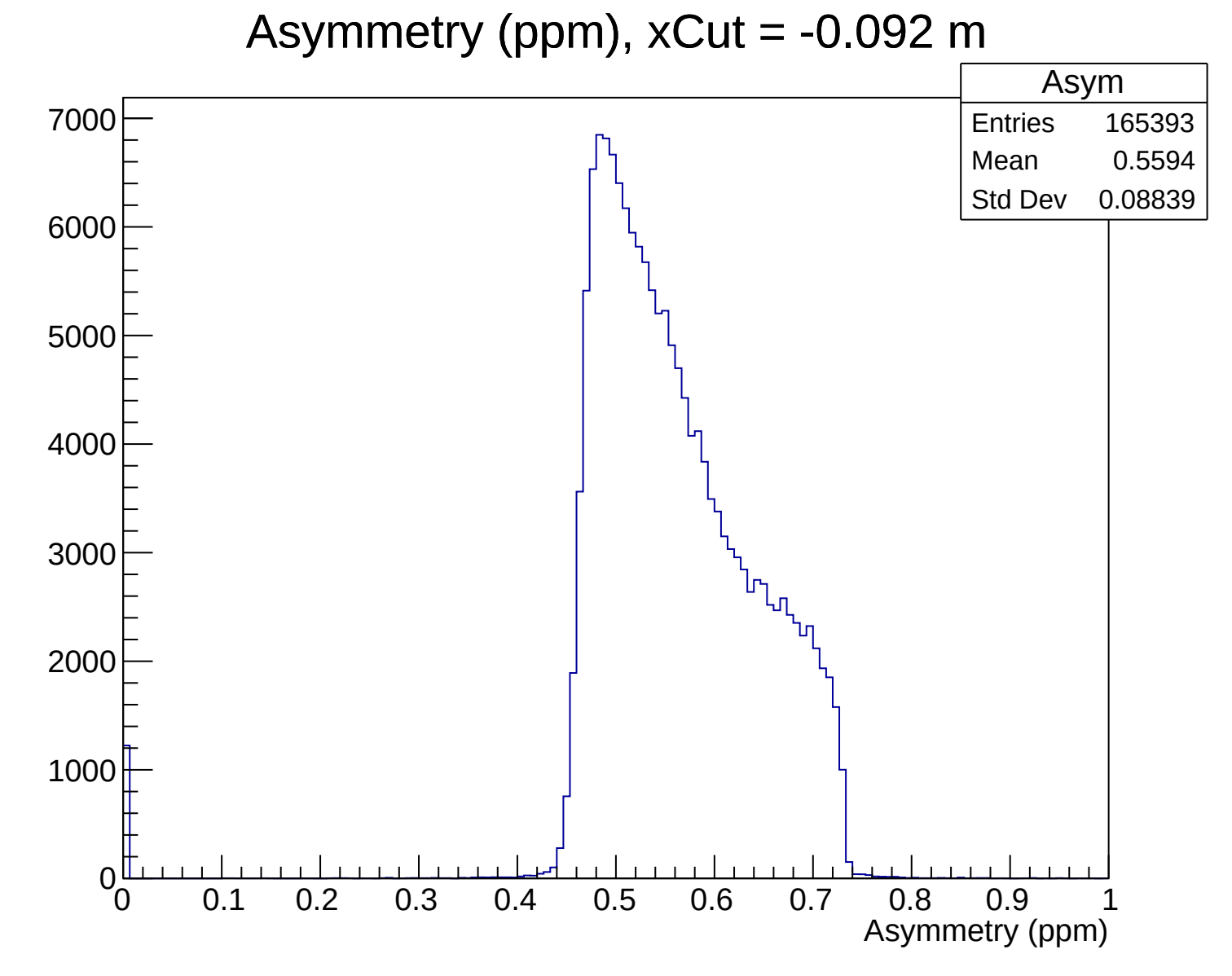

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

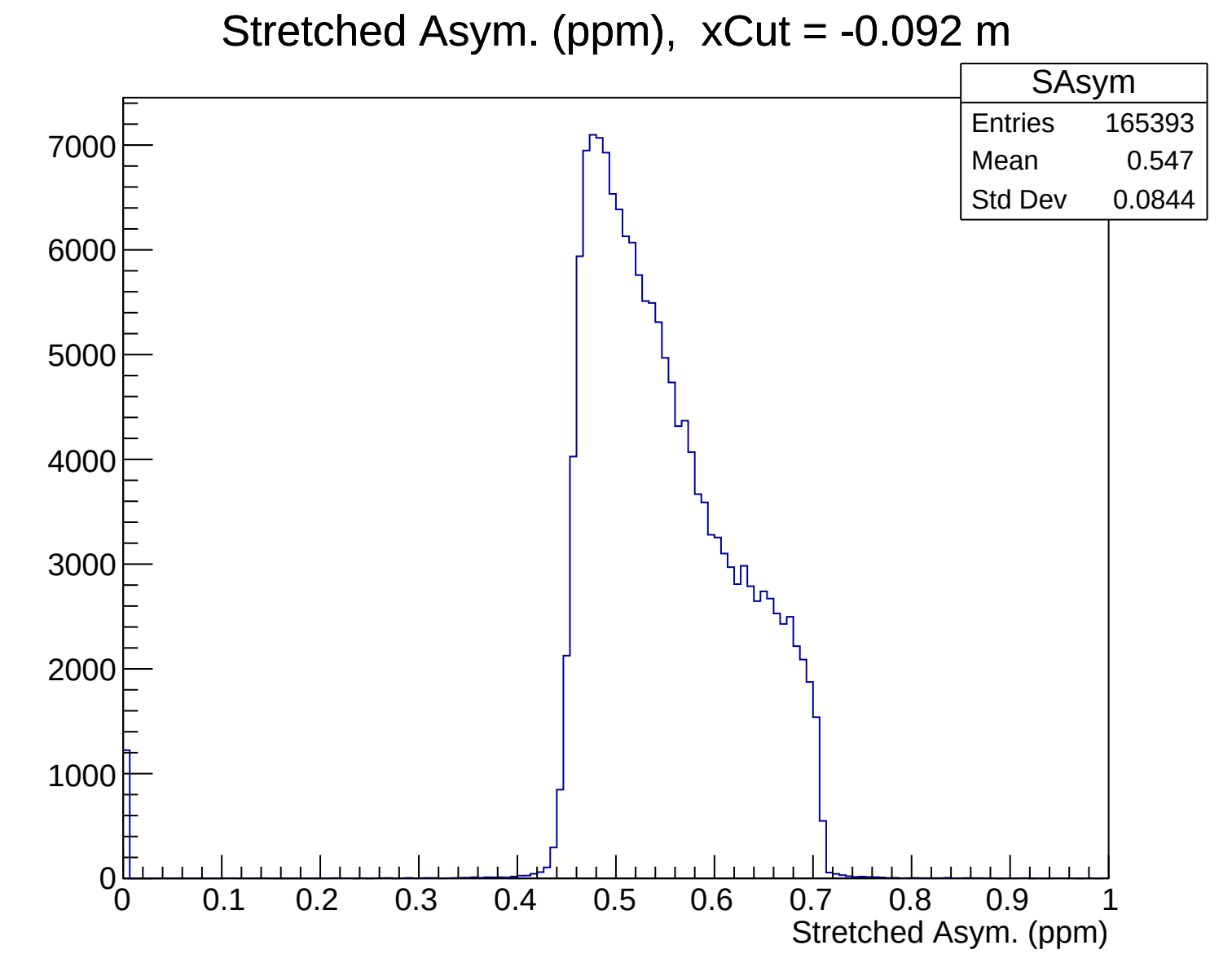

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

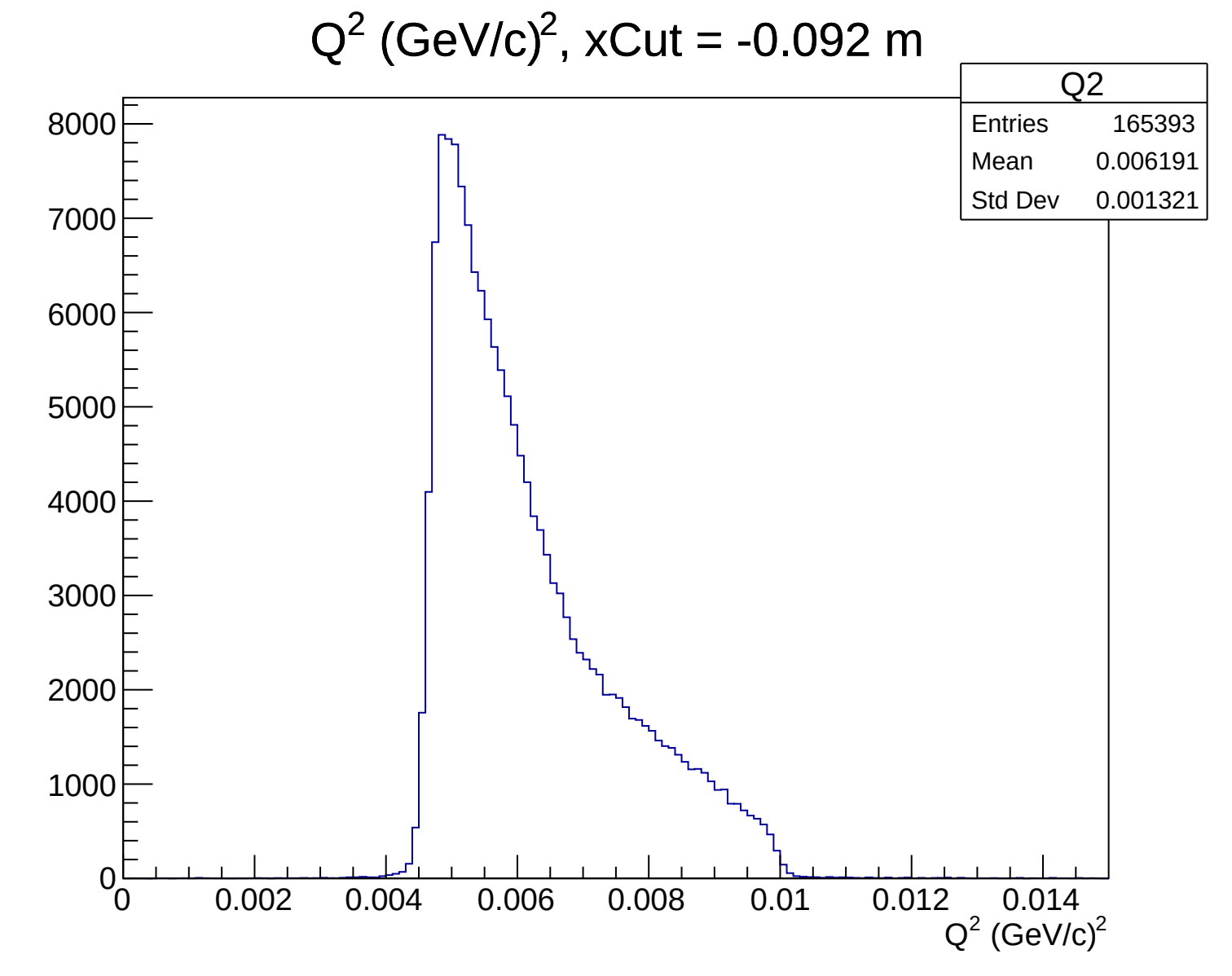

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.092
L.tr.x[0]+1.3*L.tr.th[0] (m)

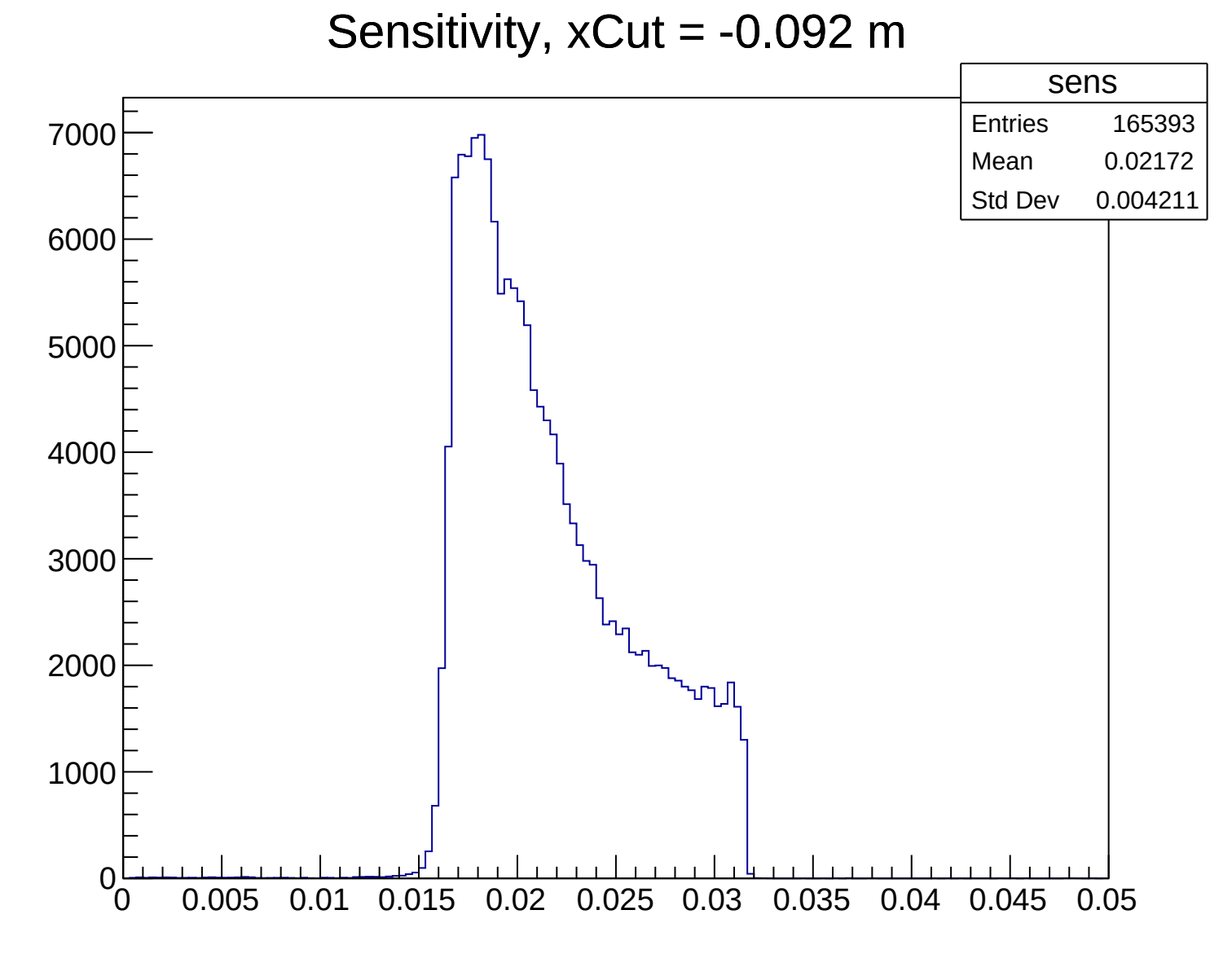

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

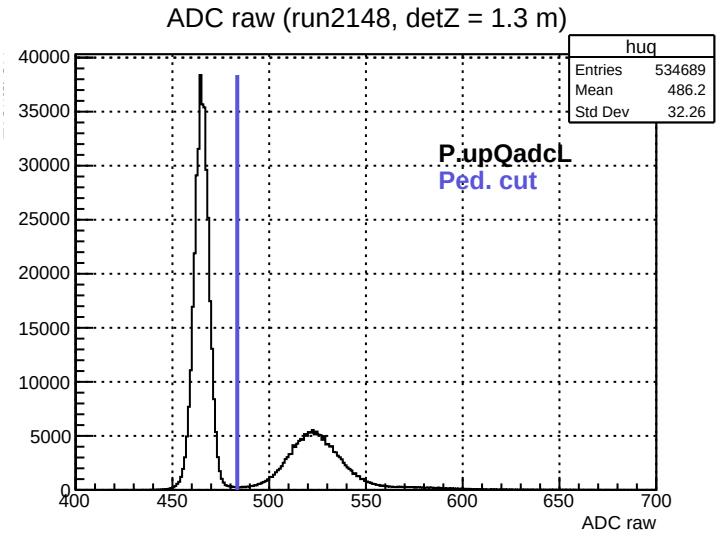

θlab (deg), xCut = -0.092 m
Theta
Entries 165393
Mean 4.733
Std Dev 0.4904
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

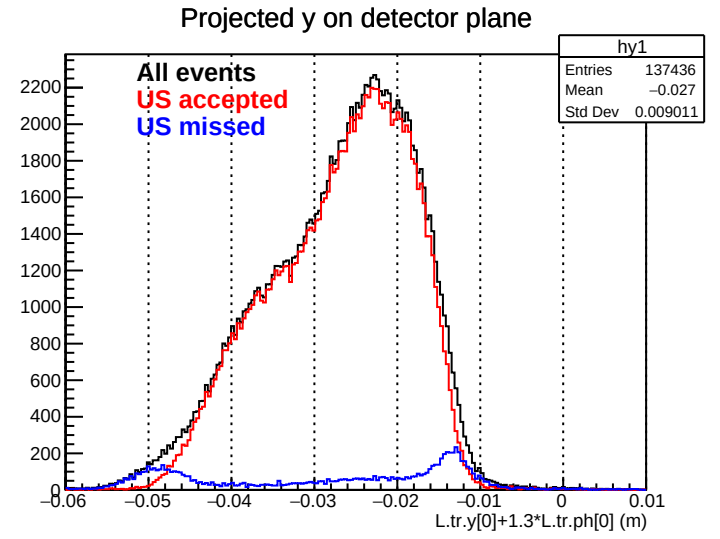

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 165393
Mean 0.5594
Std Dev 0.08839
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

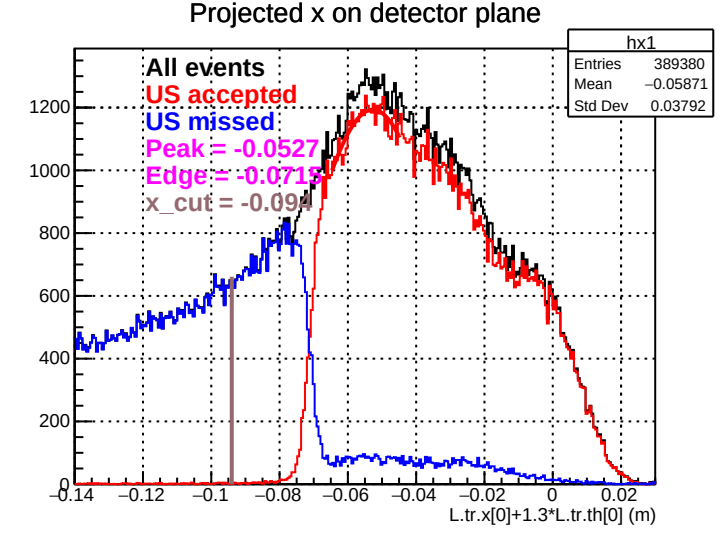

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 165393
Mean 0.547
Std Dev 0.0844
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

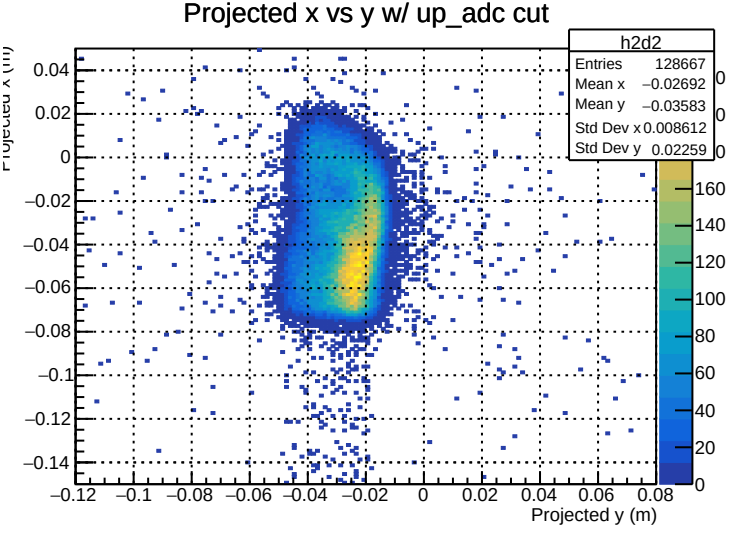

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 165393
Mean 0.006191
Std Dev 0.001321
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

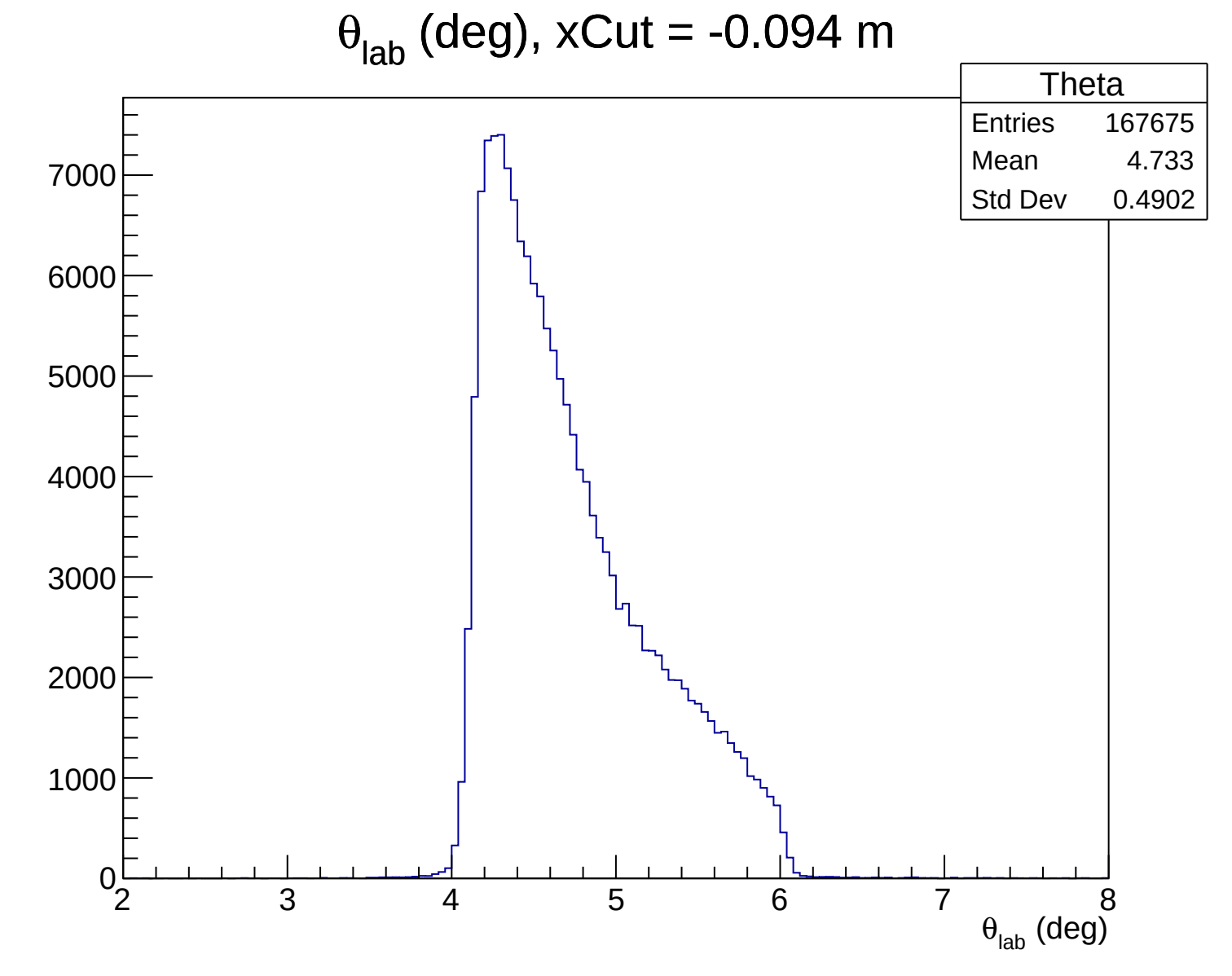

Sensitivity, xCut = -0.092 m
sens
Entries 165393
Mean 0.02172
Std Dev 0.004211
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

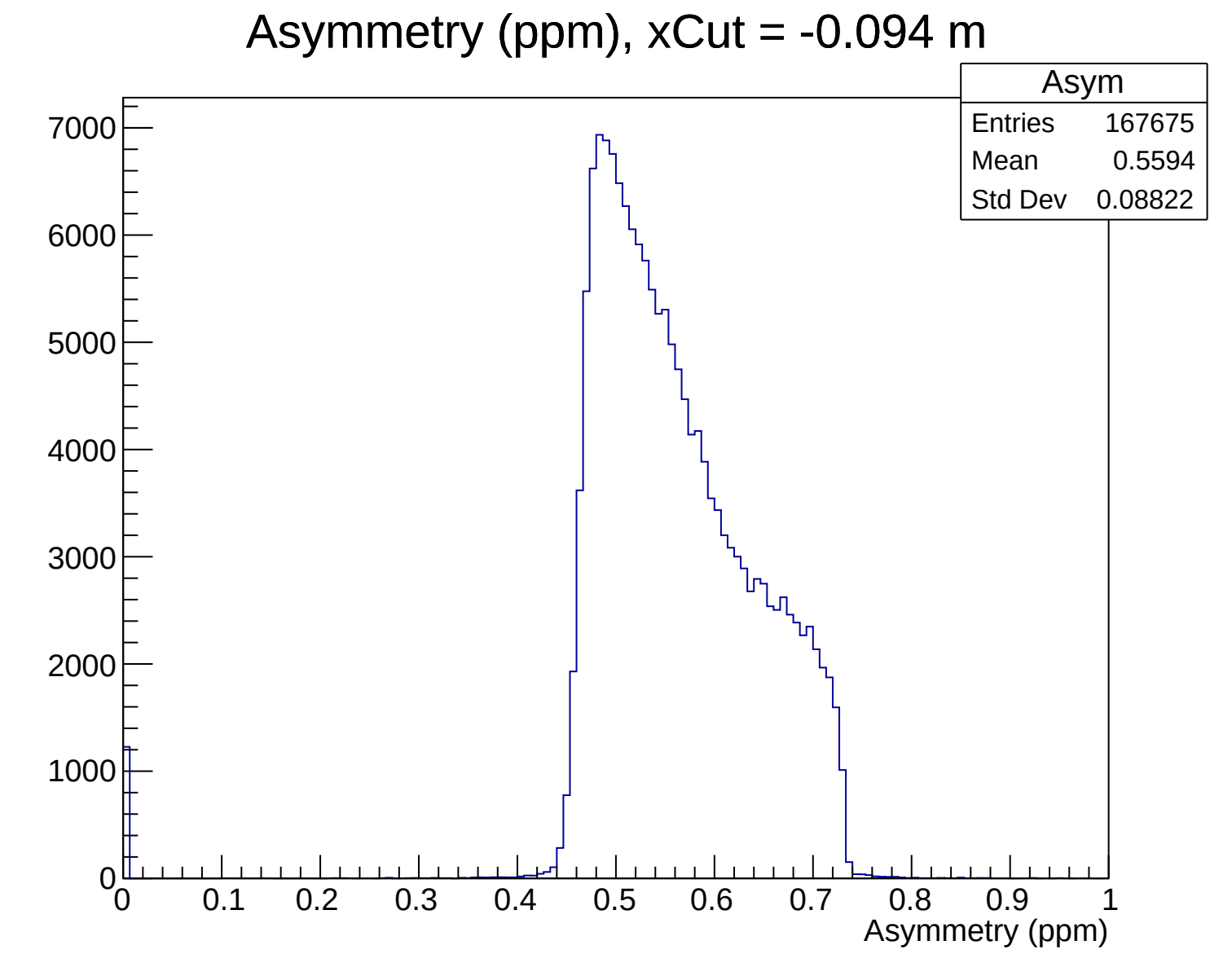

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

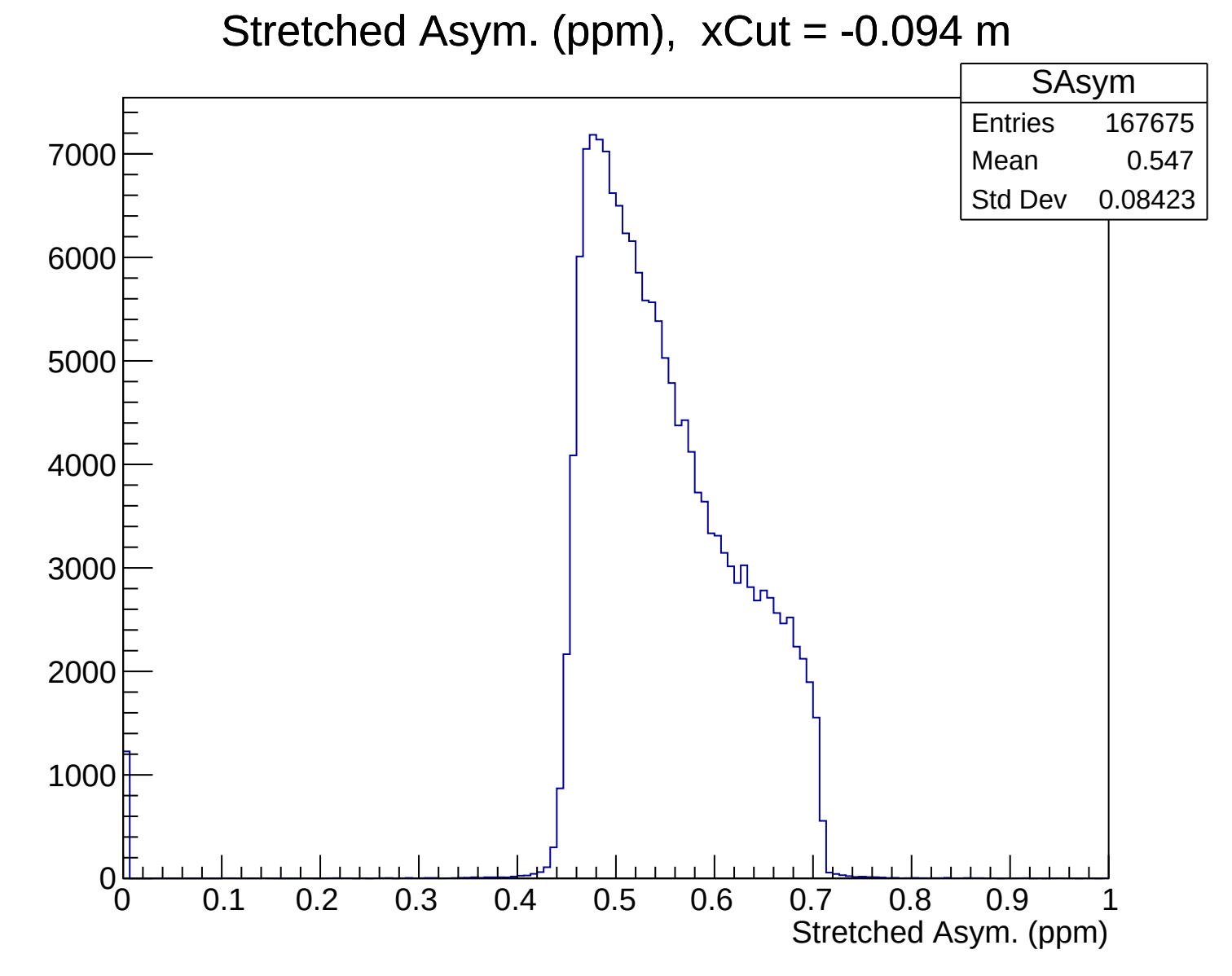

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

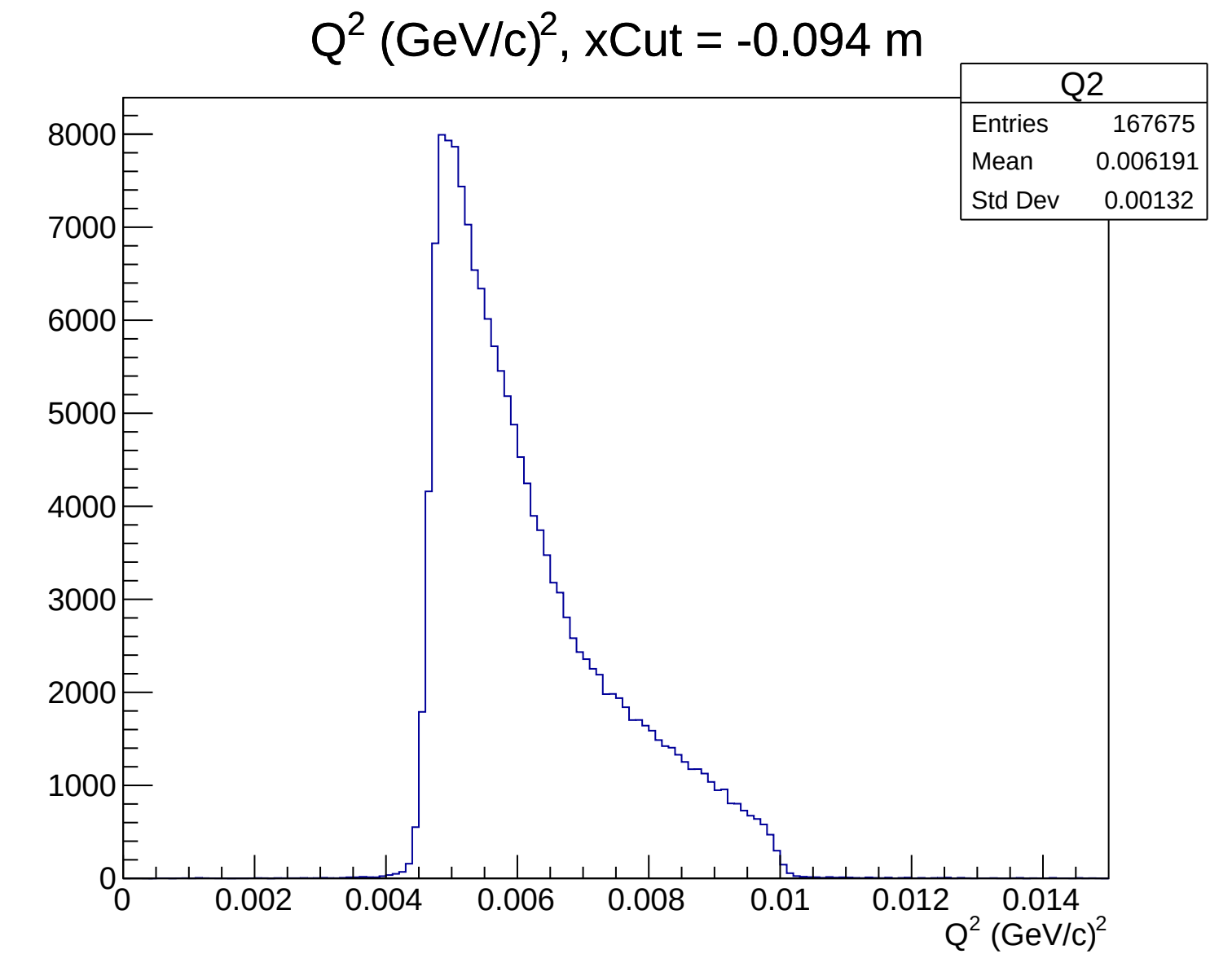

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

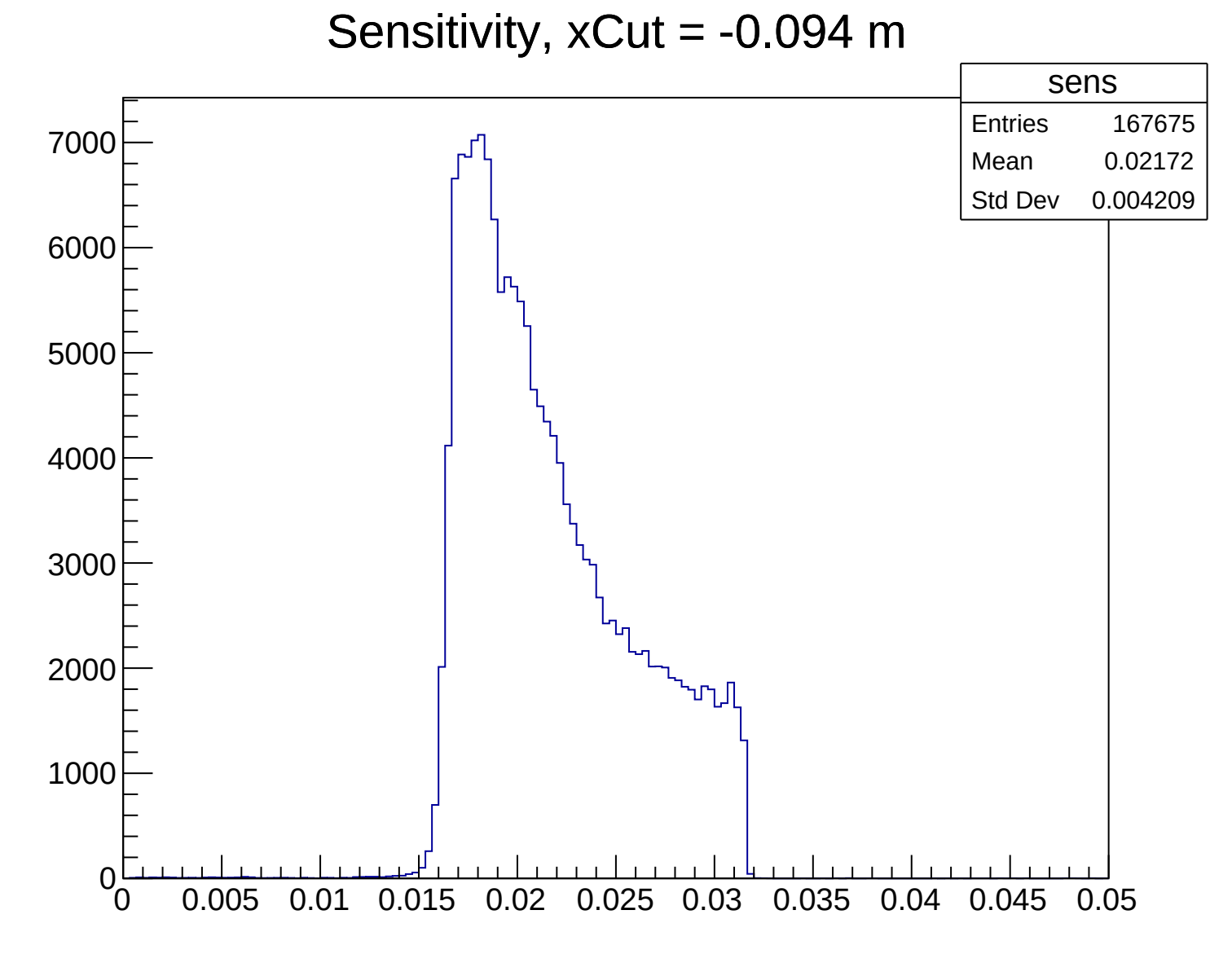

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

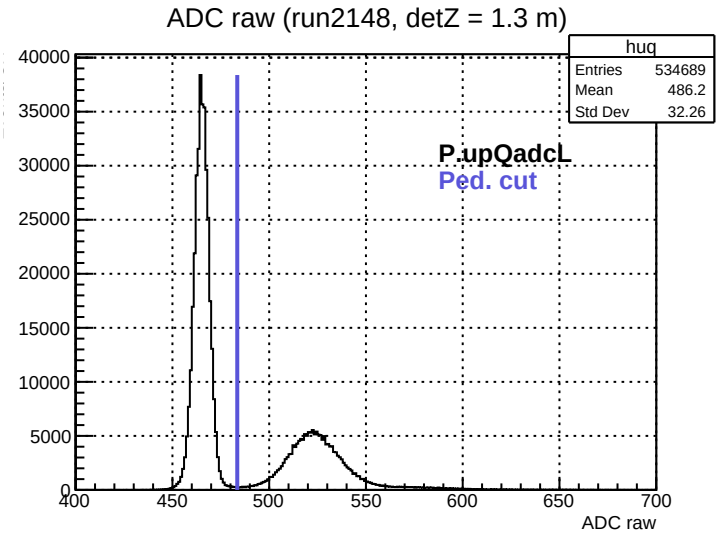

θlab (deg), xCut = -0.094 m
Theta
Entries 167675
Mean 4.733
Std Dev 0.4902
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

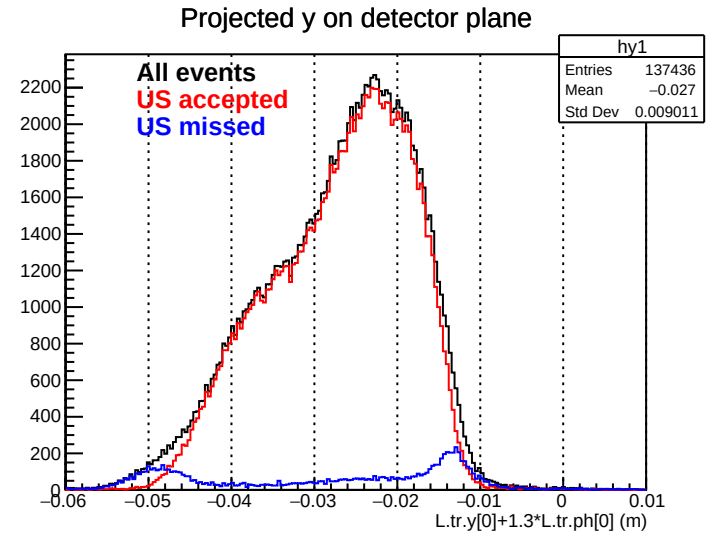

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 167675
Mean 0.5594
Std Dev 0.08822
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

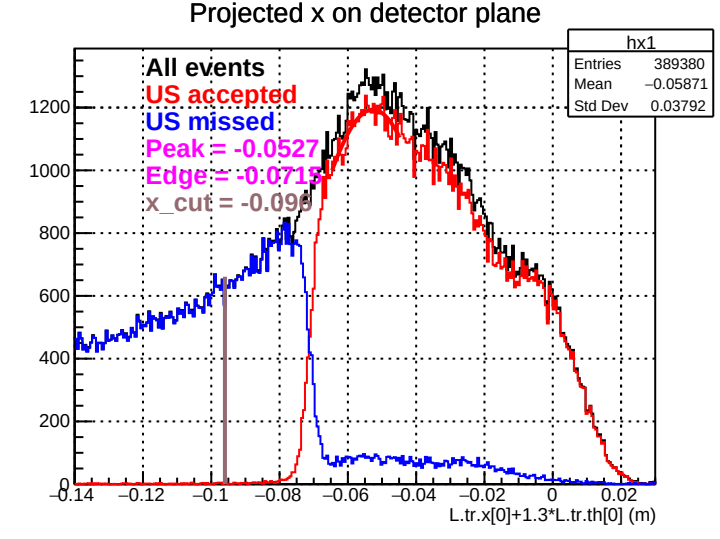

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 167675
Mean 0.547
Std Dev 0.08423
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

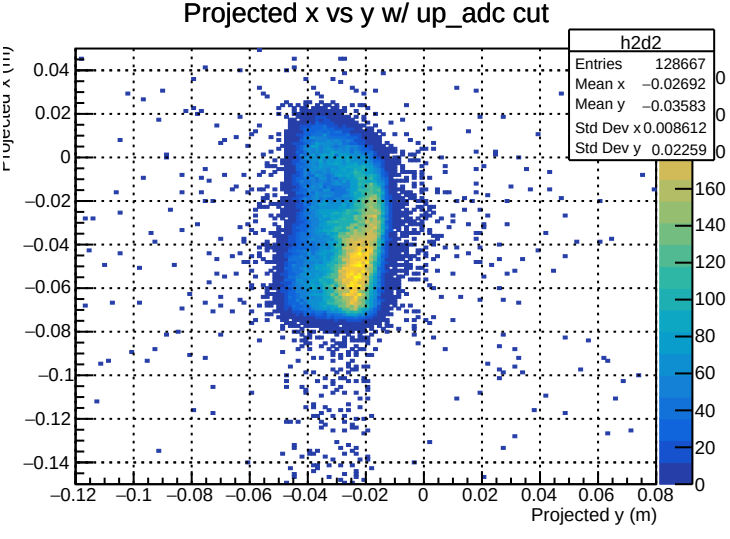

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 167675
Mean 0.006191
Std Dev 0.00132
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

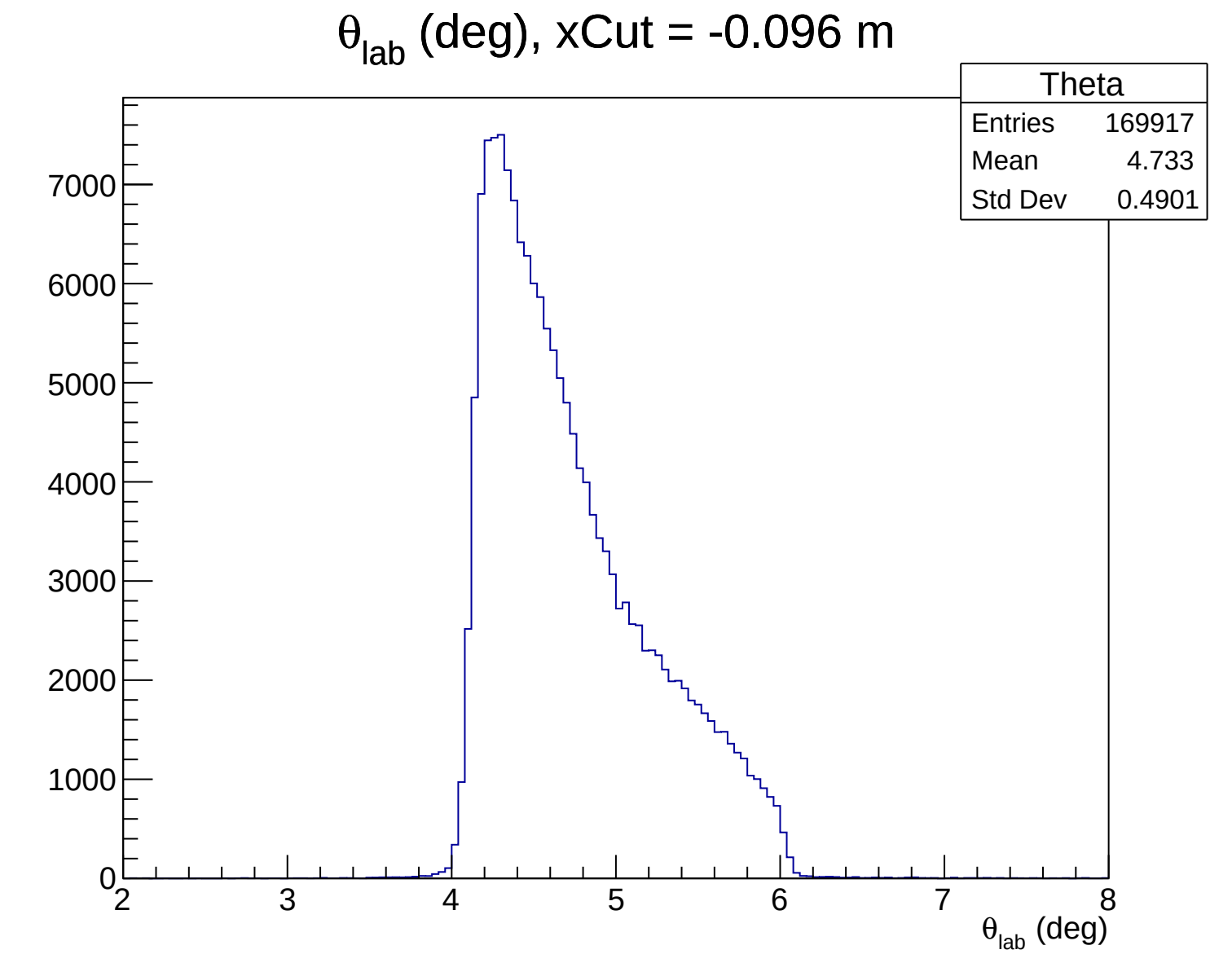

Sensitivity, xCut = -0.094 m
sens
Entries 167675
Mean 0.02172
Std Dev 0.004209
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

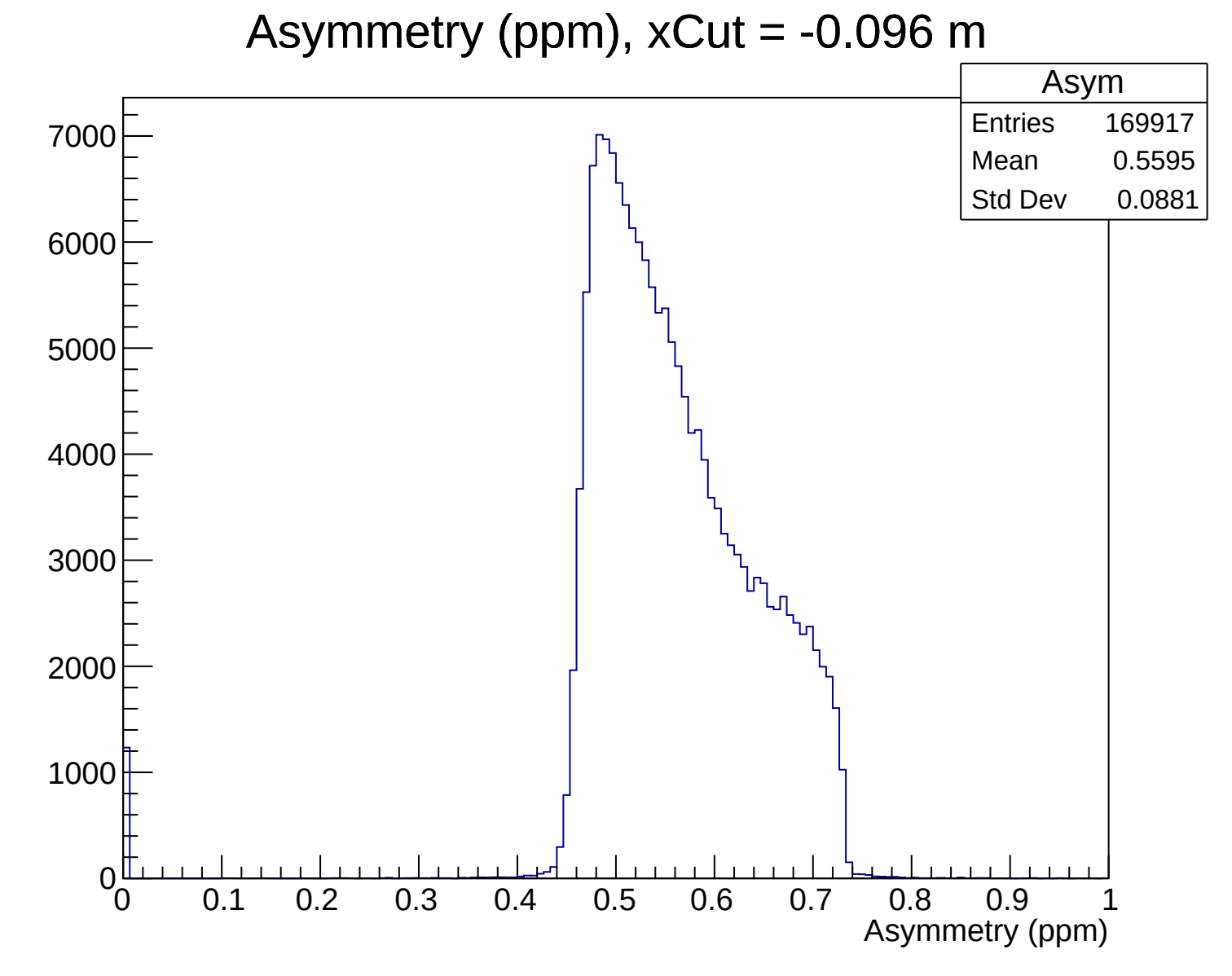

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

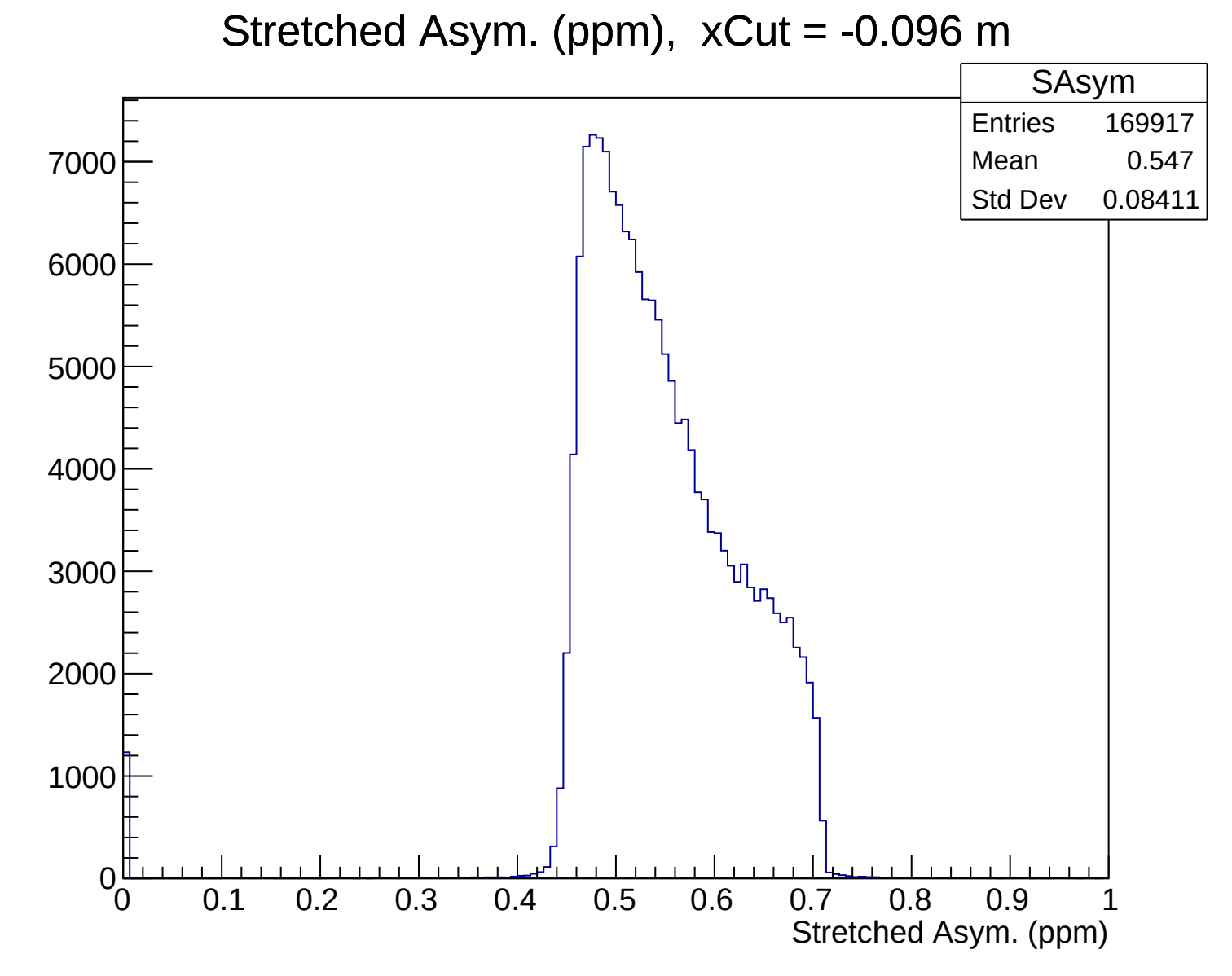

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

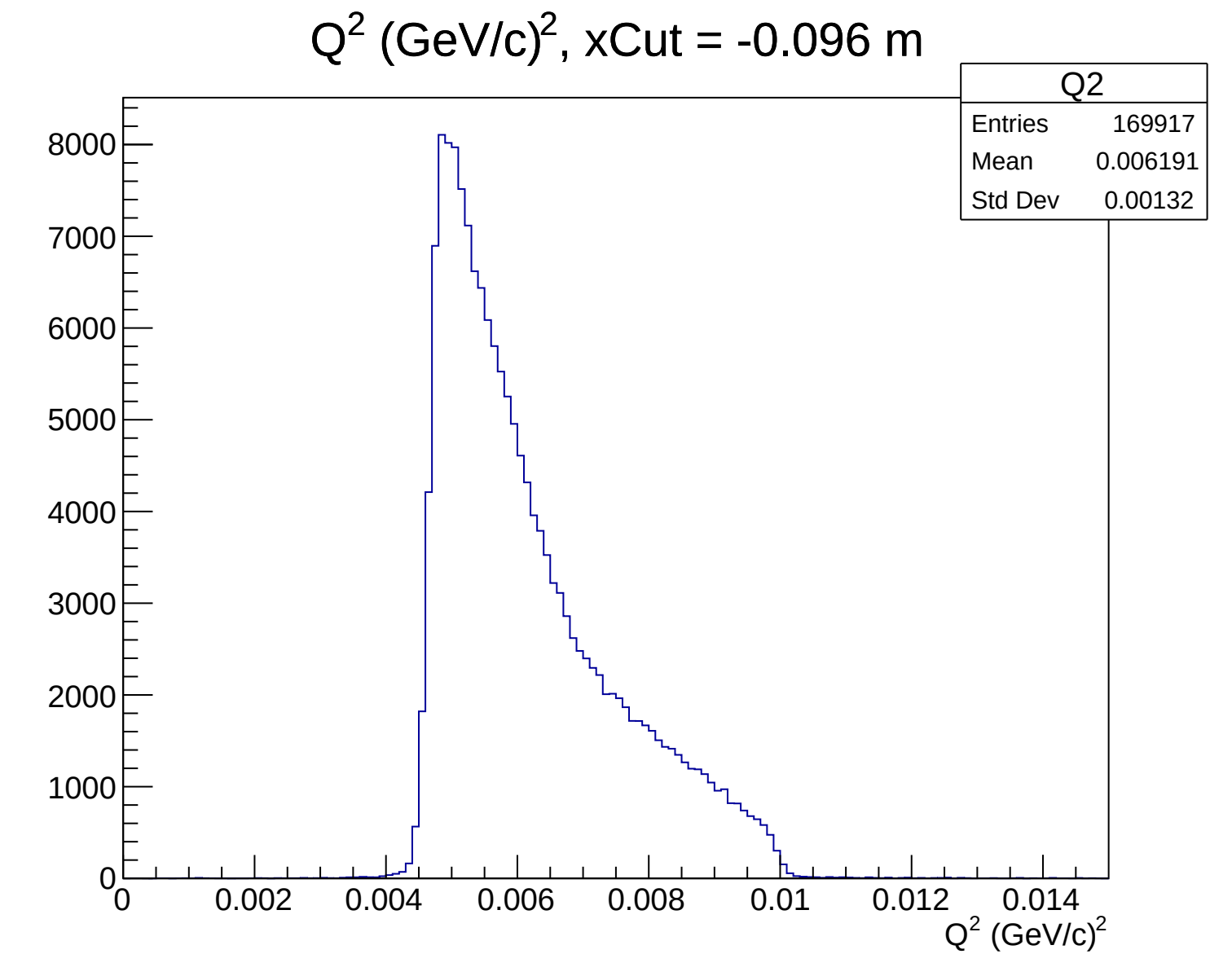

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

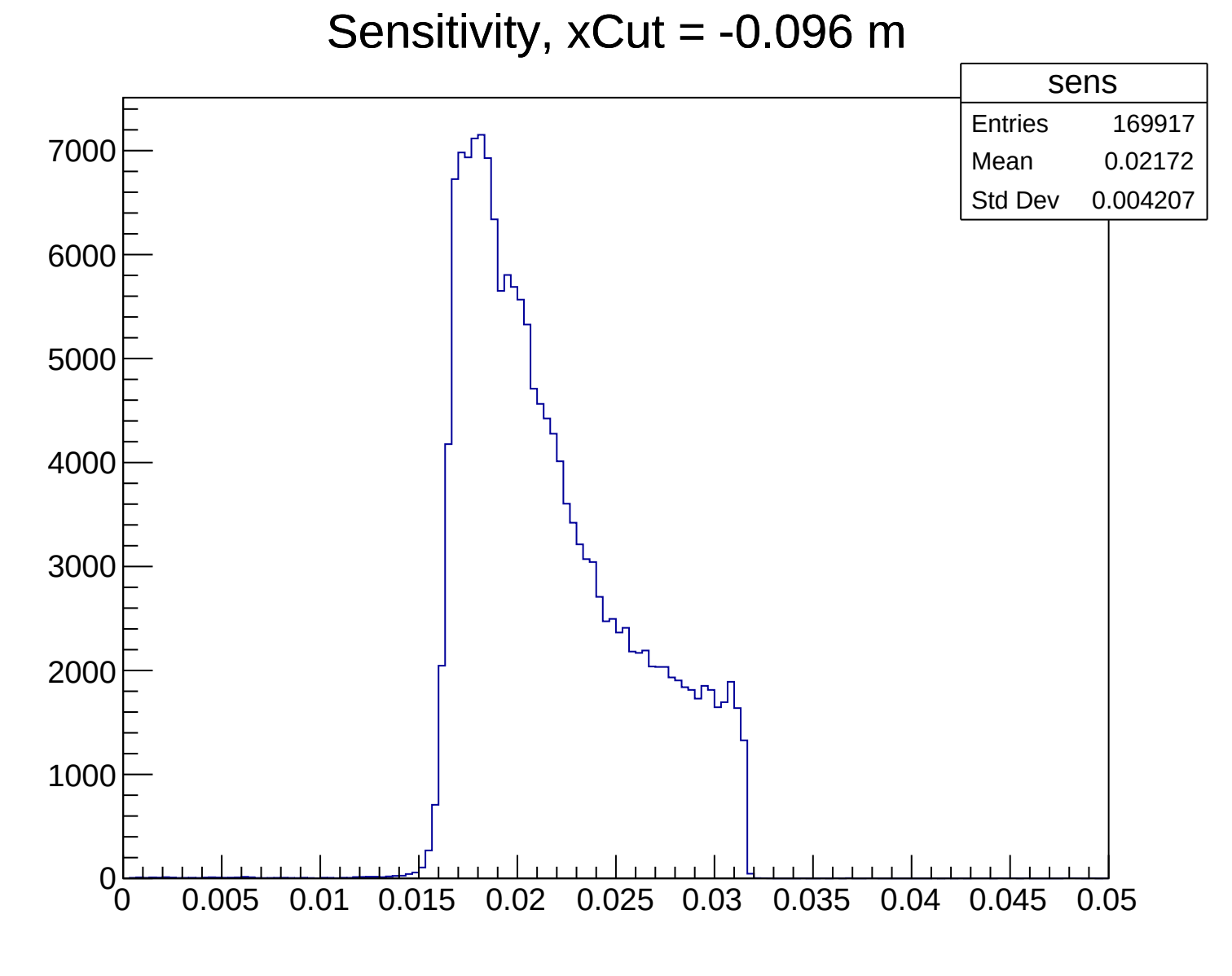

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

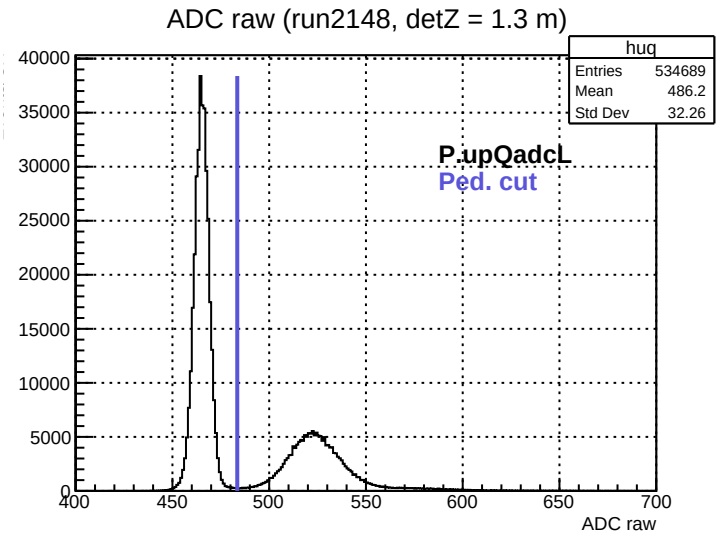

θlab (deg), xCut = -0.096 m
Theta
Entries 169917
Mean 4.733
Std Dev 0.4901
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

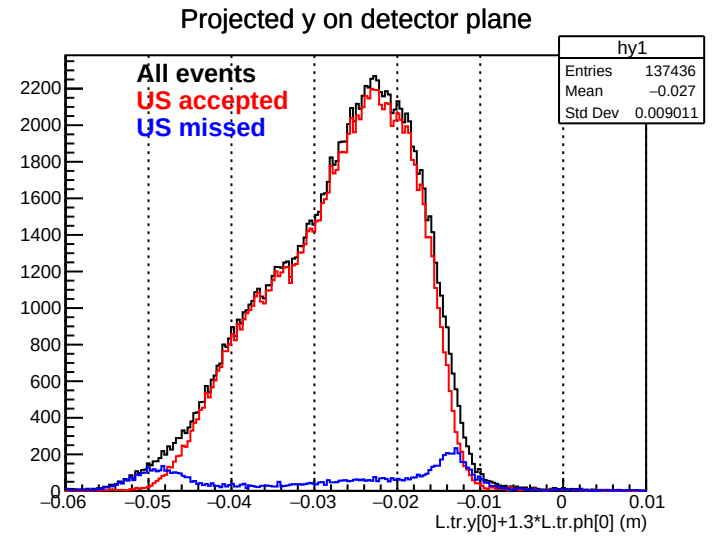

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 169917
Mean 0.5595
Std Dev 0.0881
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

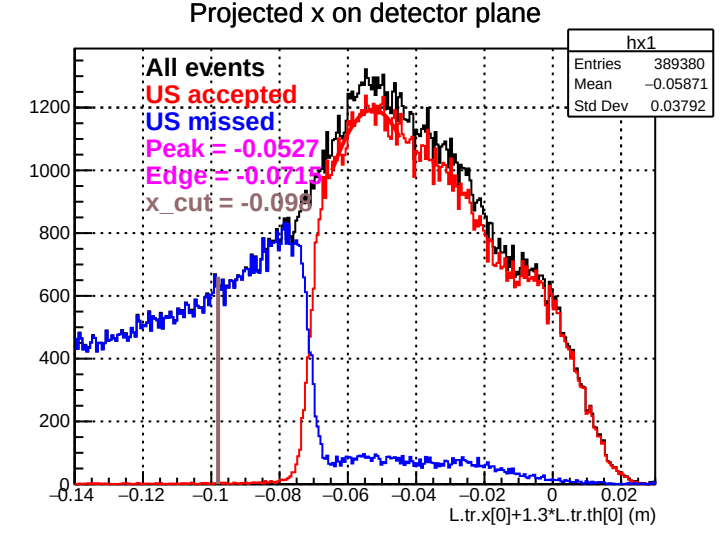

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 169917
Mean 0.547
Std Dev 0.08411
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

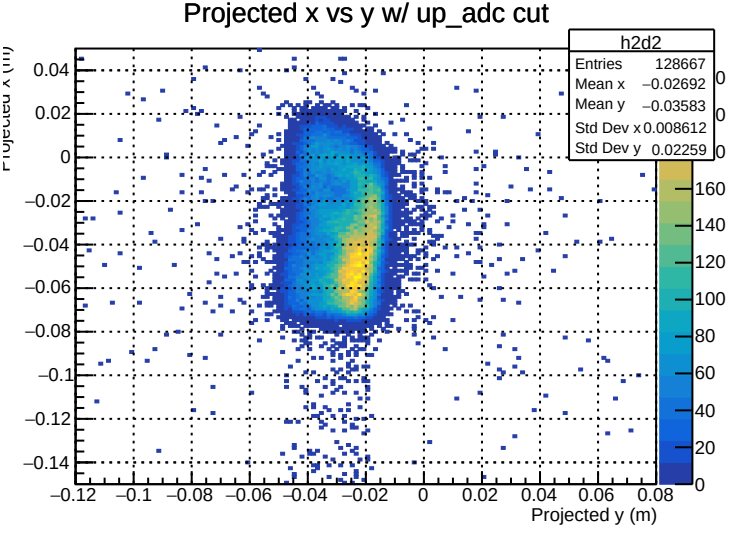

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 169917
Mean 0.006191
Std Dev 0.00132
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

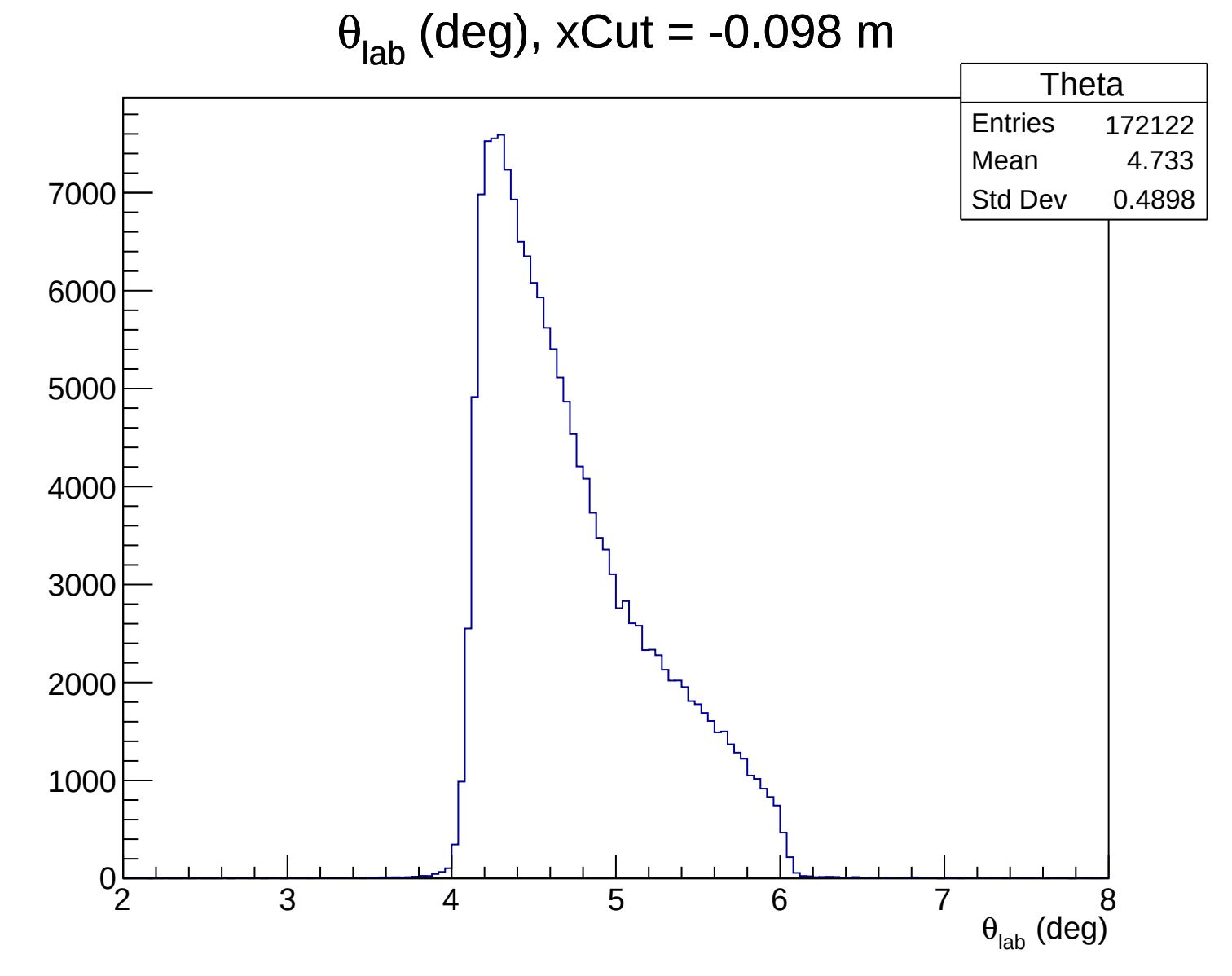

Sensitivity, xCut = -0.096 m
sens
Entries 169917
Mean 0.02172
Std Dev 0.004207
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

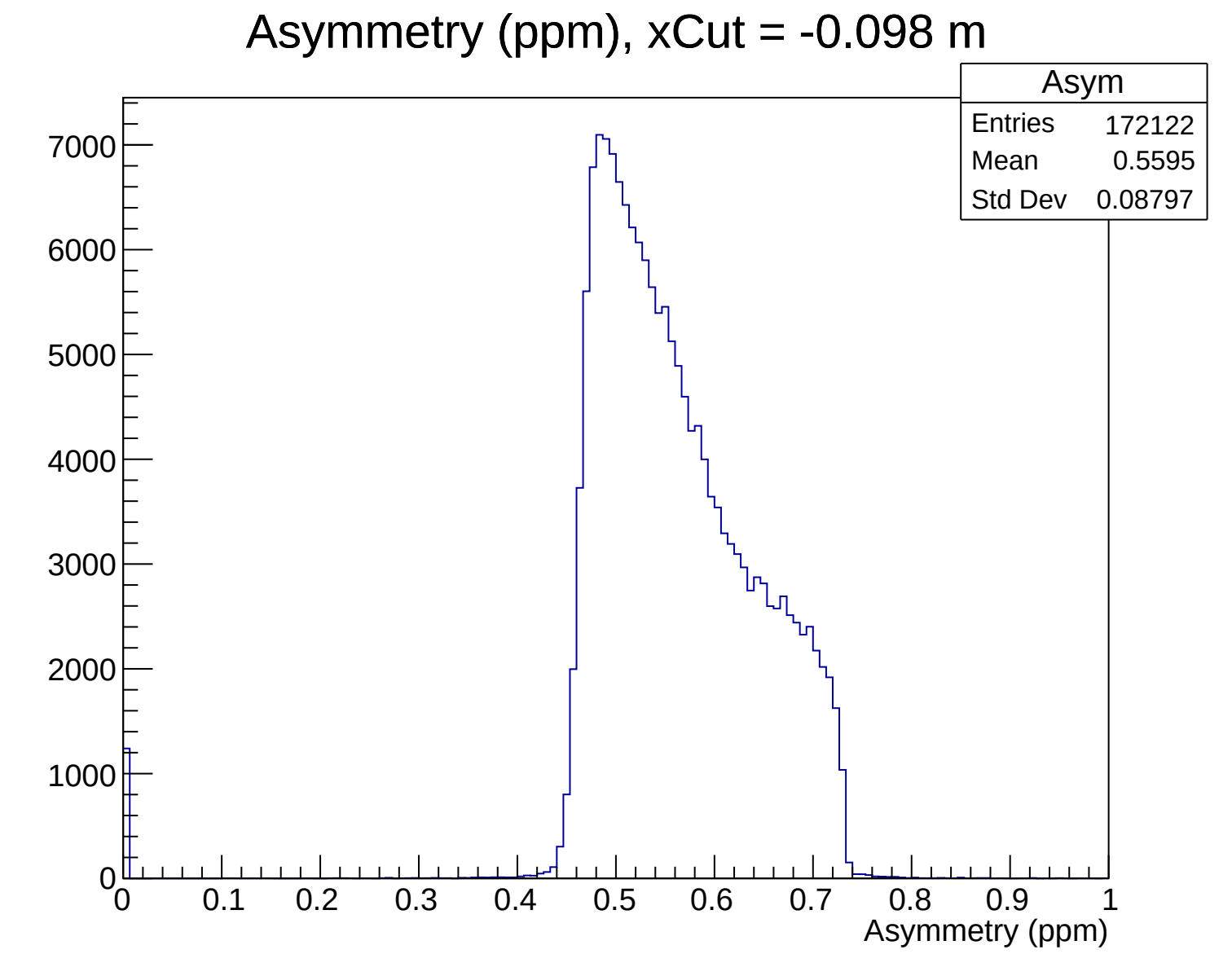

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

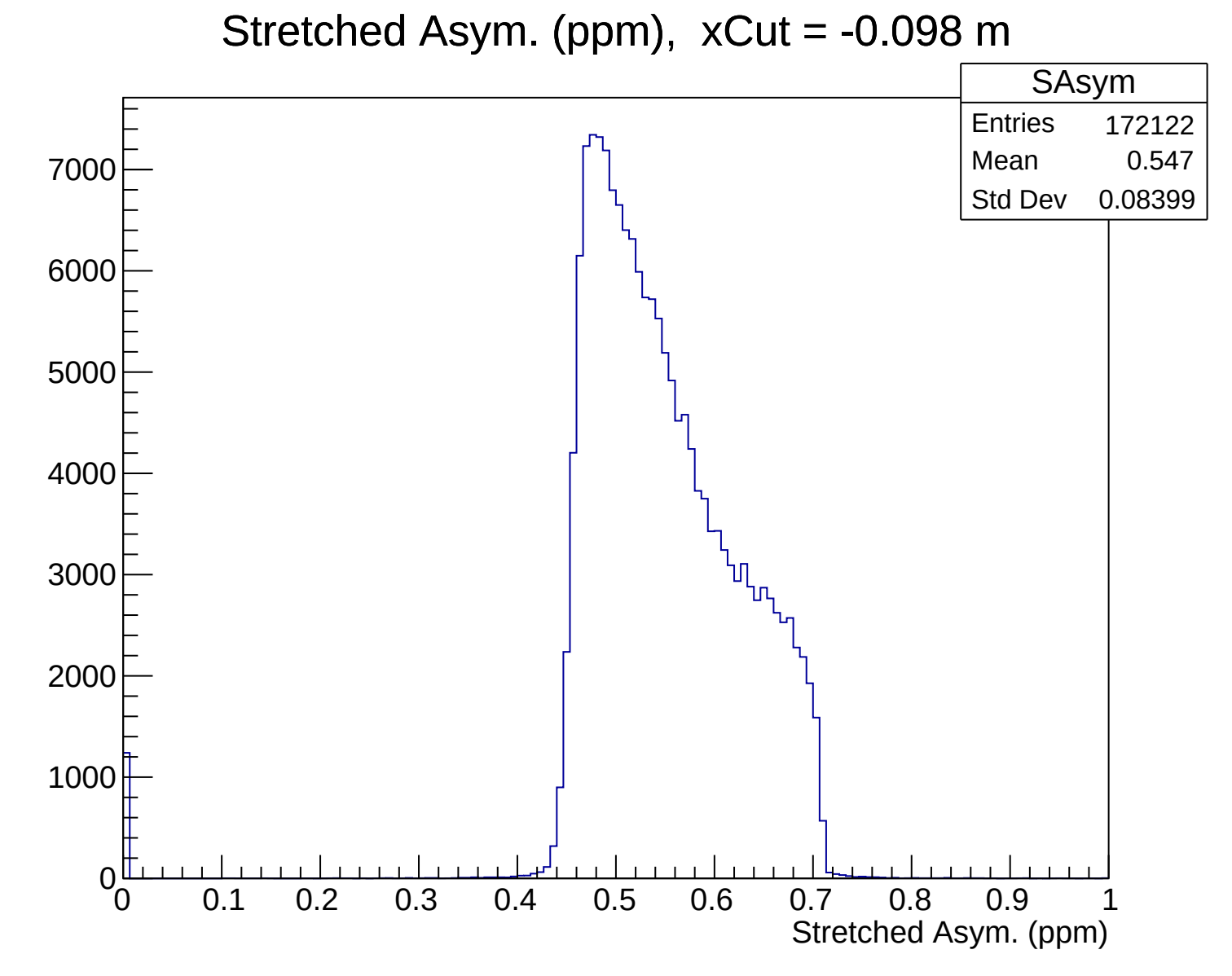

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

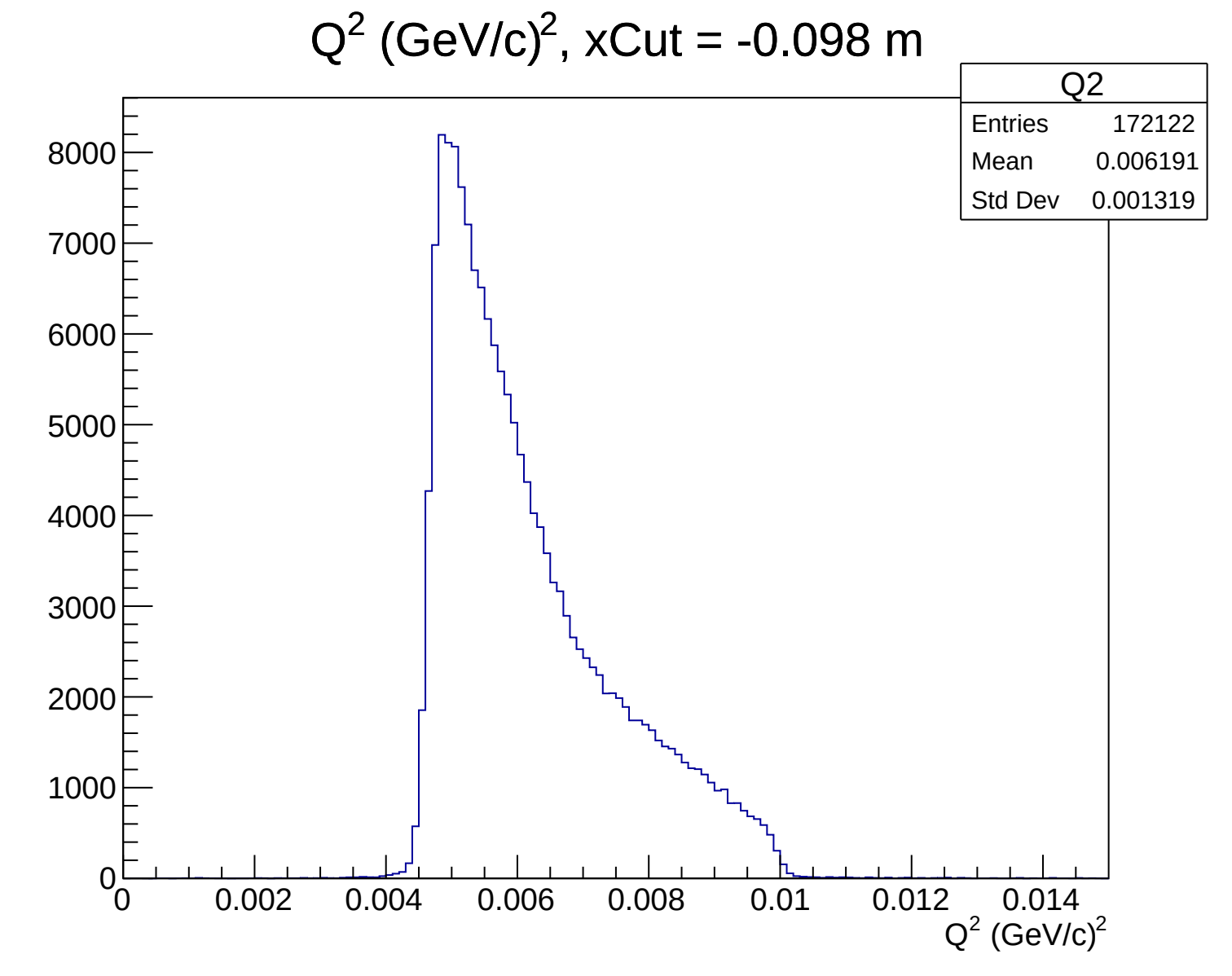

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

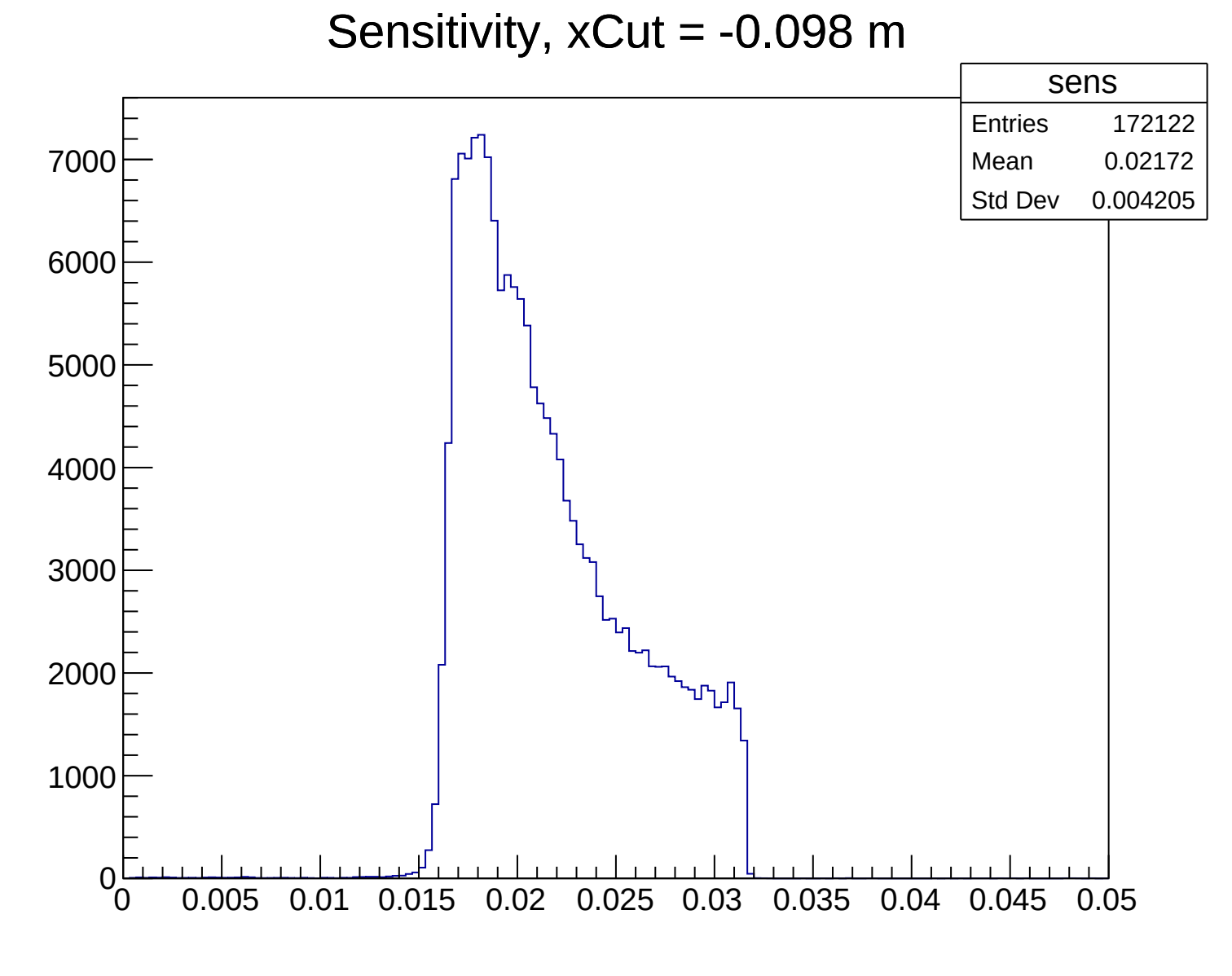

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

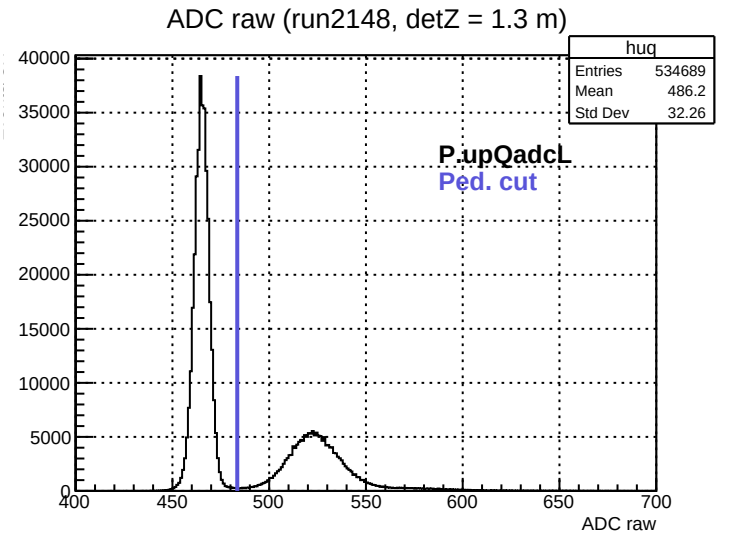

θlab (deg), xCut = -0.098 m
Theta
Entries 172122
Mean 4.733
Std Dev 0.4898
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

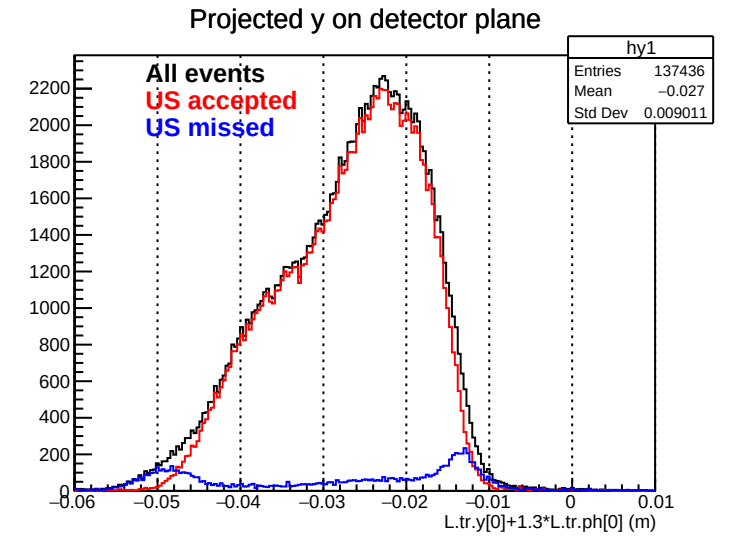

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 172122
Mean 0.5595
Std Dev 0.08797
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

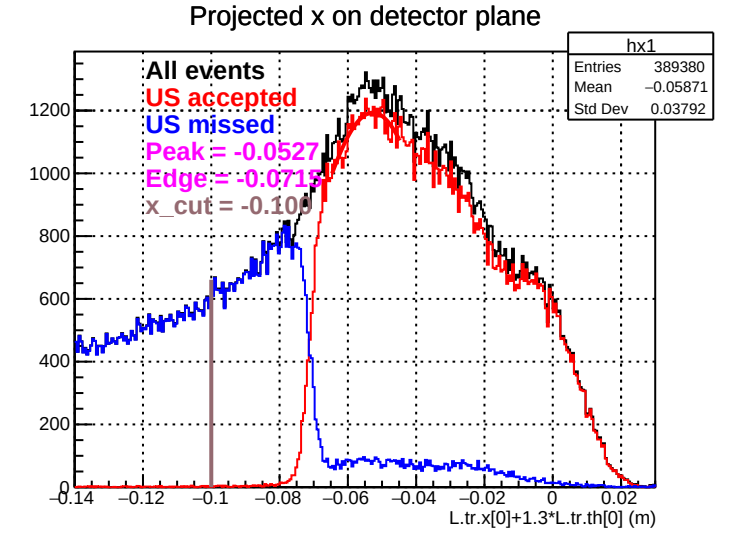

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 172122
Mean 0.547
Std Dev 0.08399
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

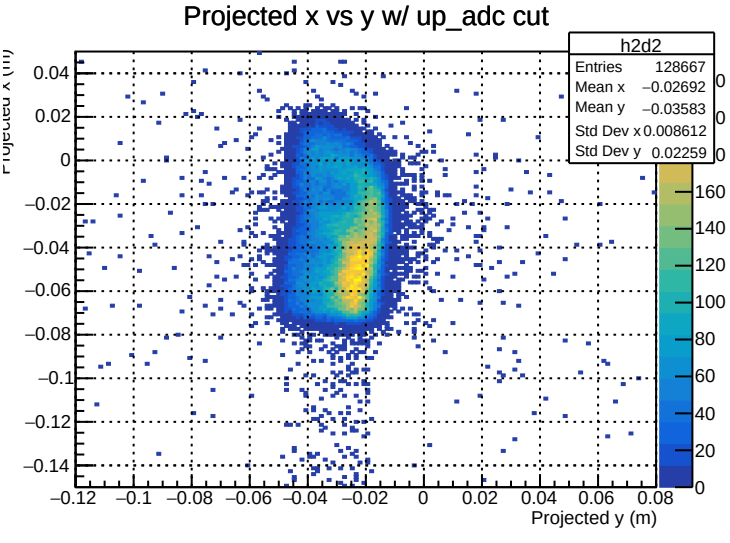

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 172122
Mean 0.006191
Std Dev 0.001319
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

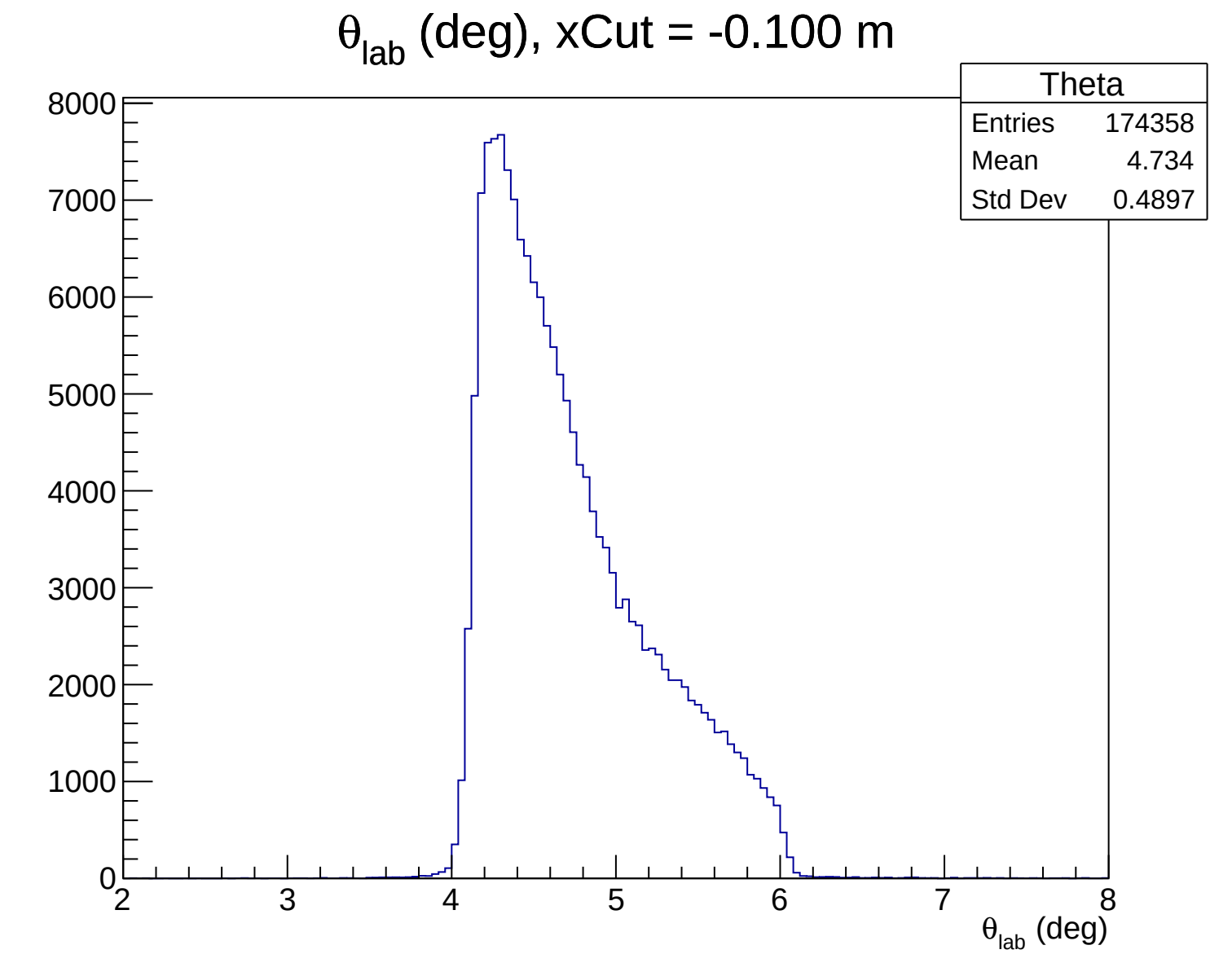

Sensitivity, xCut = -0.098 m
sens
Entries 172122
Mean 0.02172
Std Dev 0.004205
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

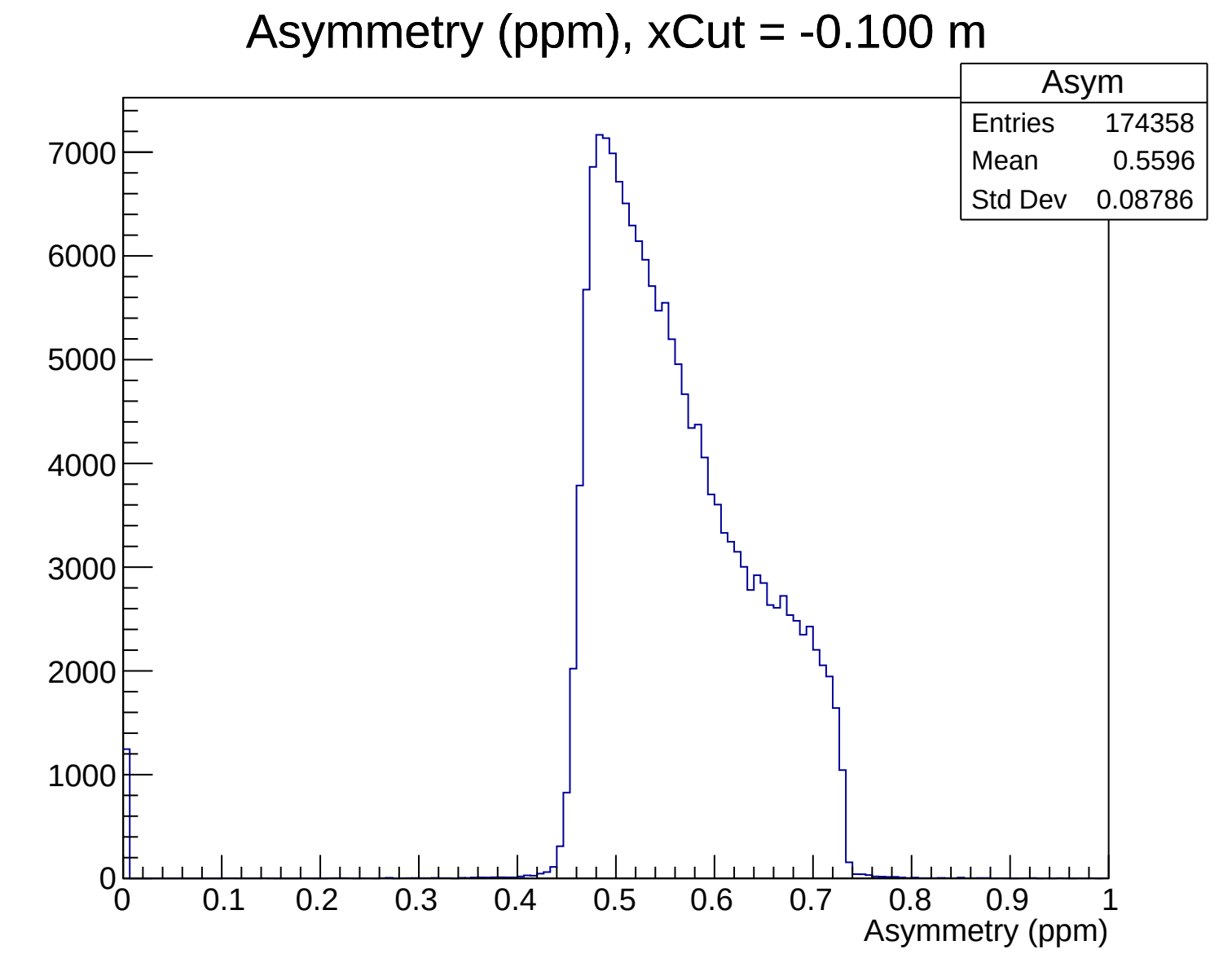

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

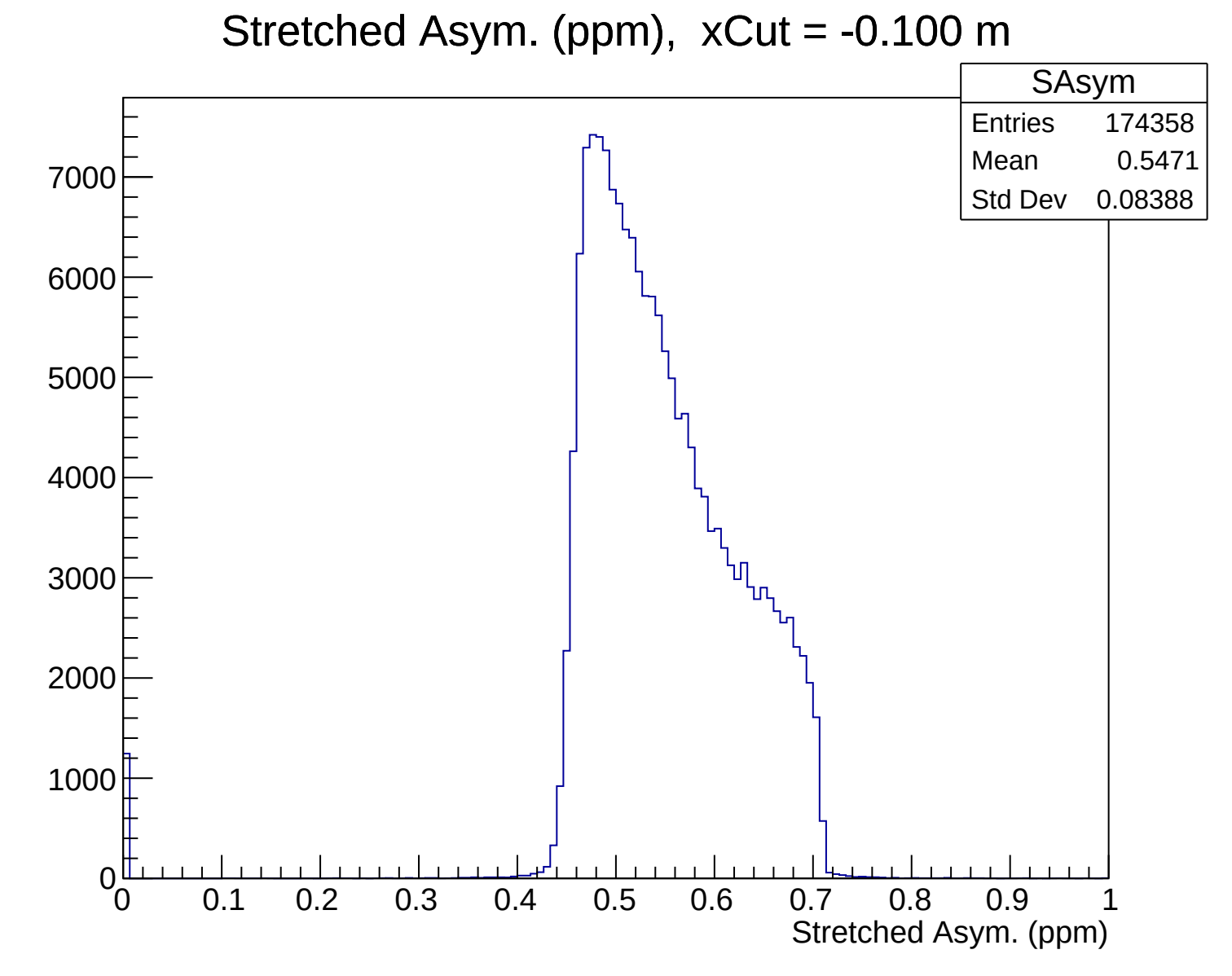

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

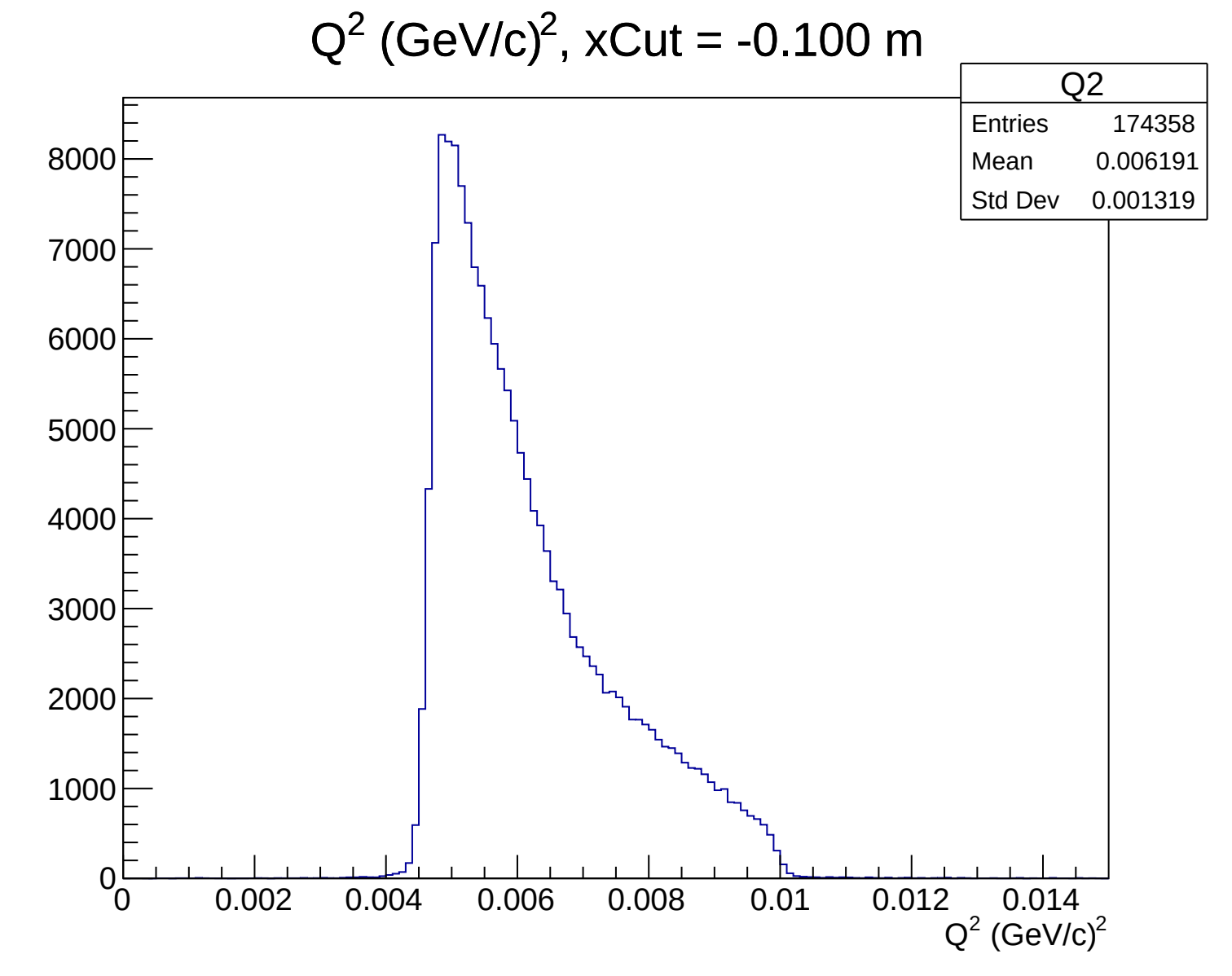

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

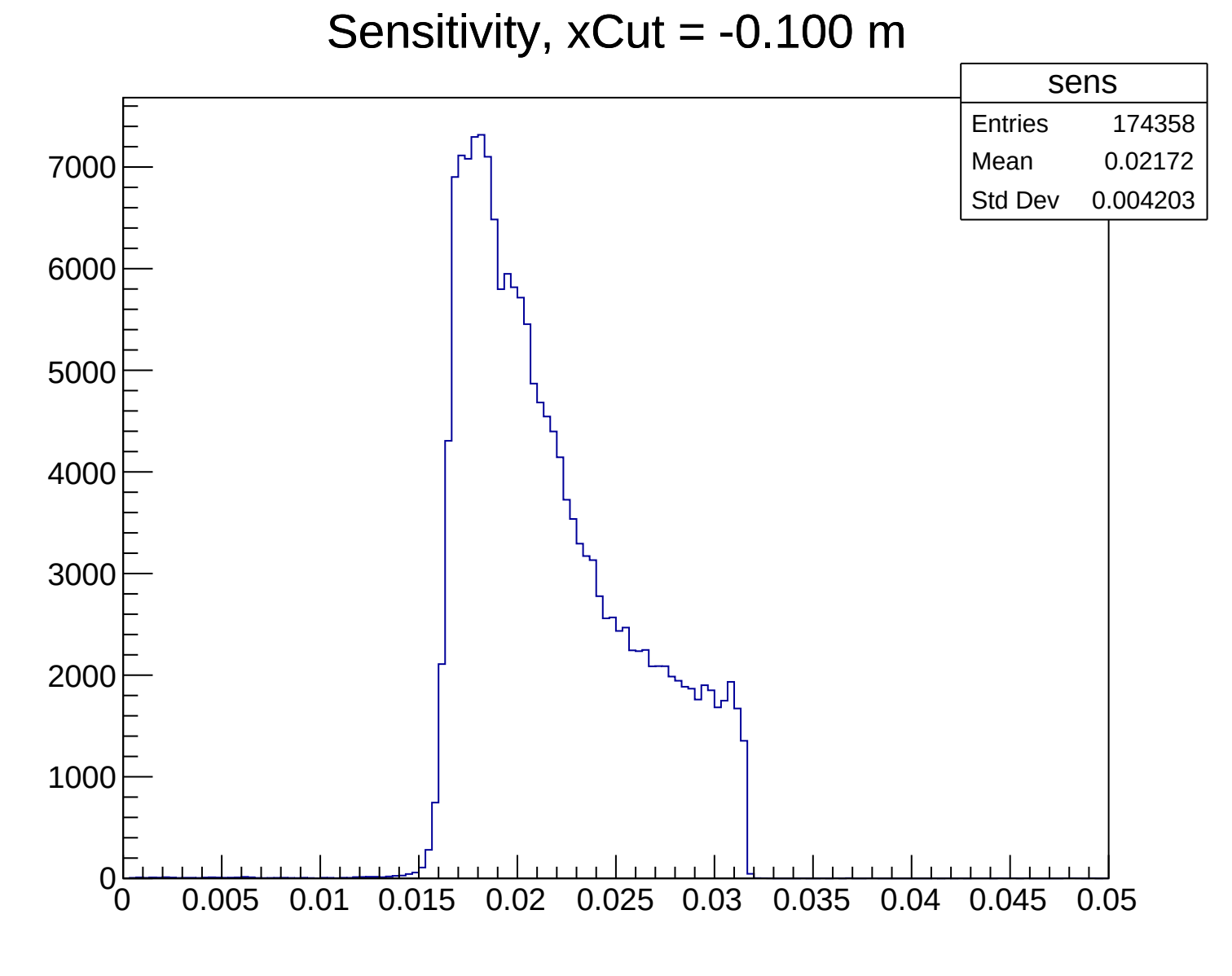

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

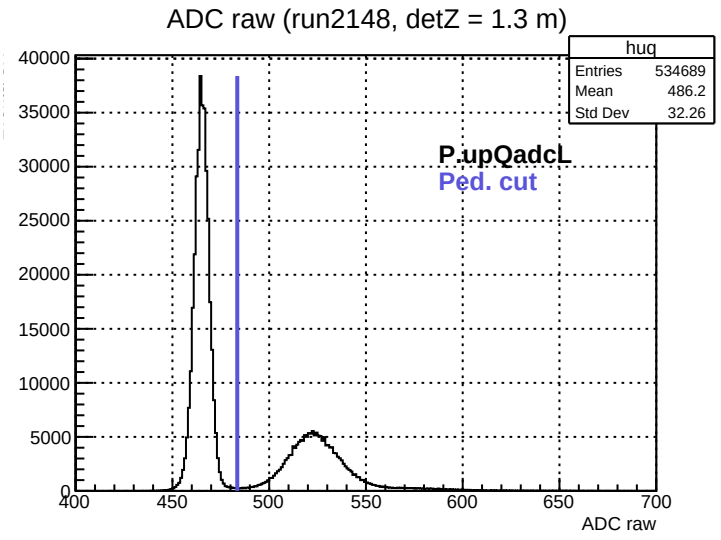

θlab (deg), xCut = -0.100 m
Theta
Entries 174358
Mean 4.734
Std Dev 0.4897
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

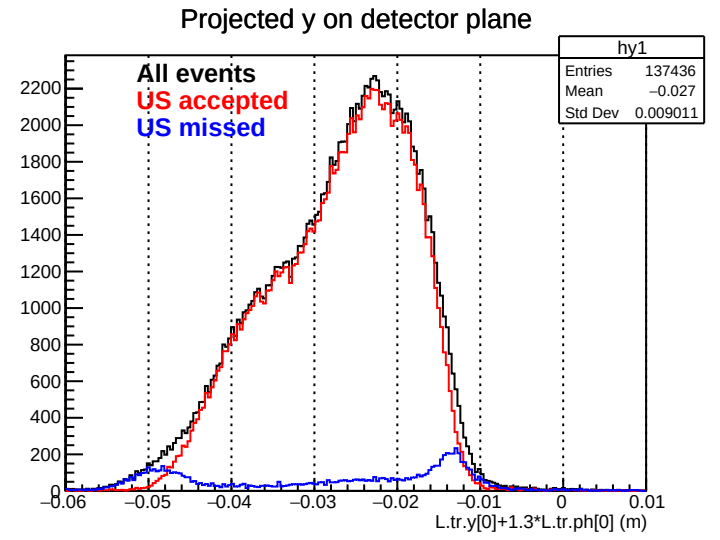

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 174358
Mean 0.5596
Std Dev 0.08786
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

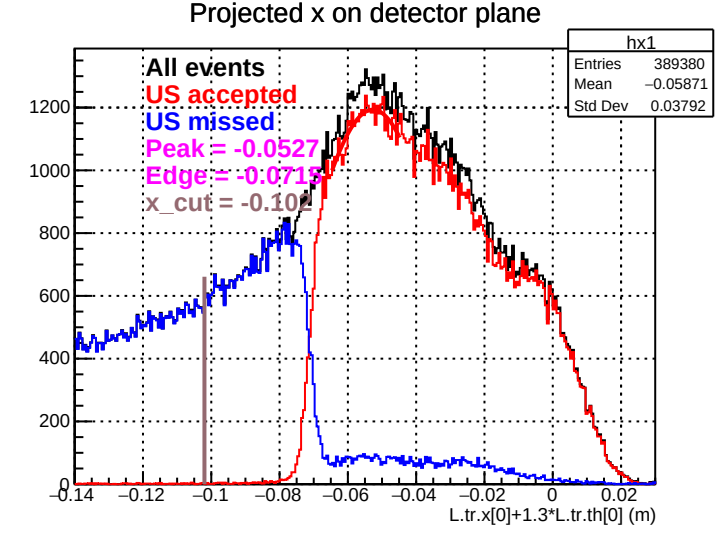

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 174358
Mean 0.5471
Std Dev 0.08388
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

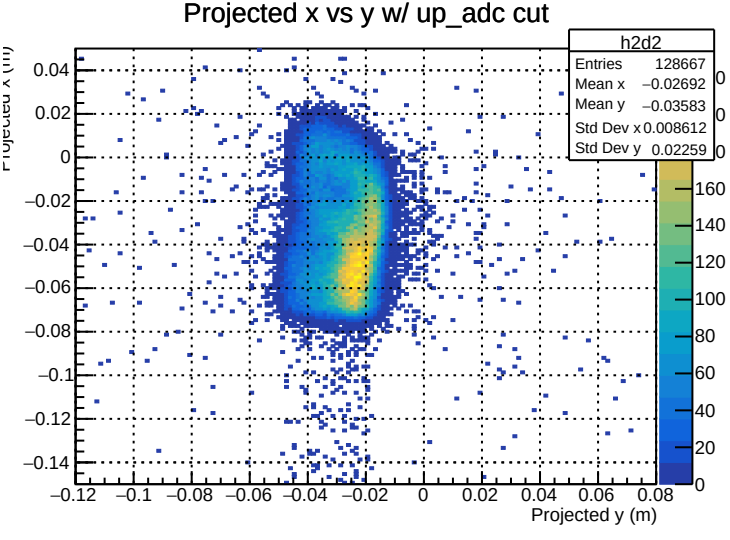

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 174358
Mean 0.006191
Std Dev 0.001319
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

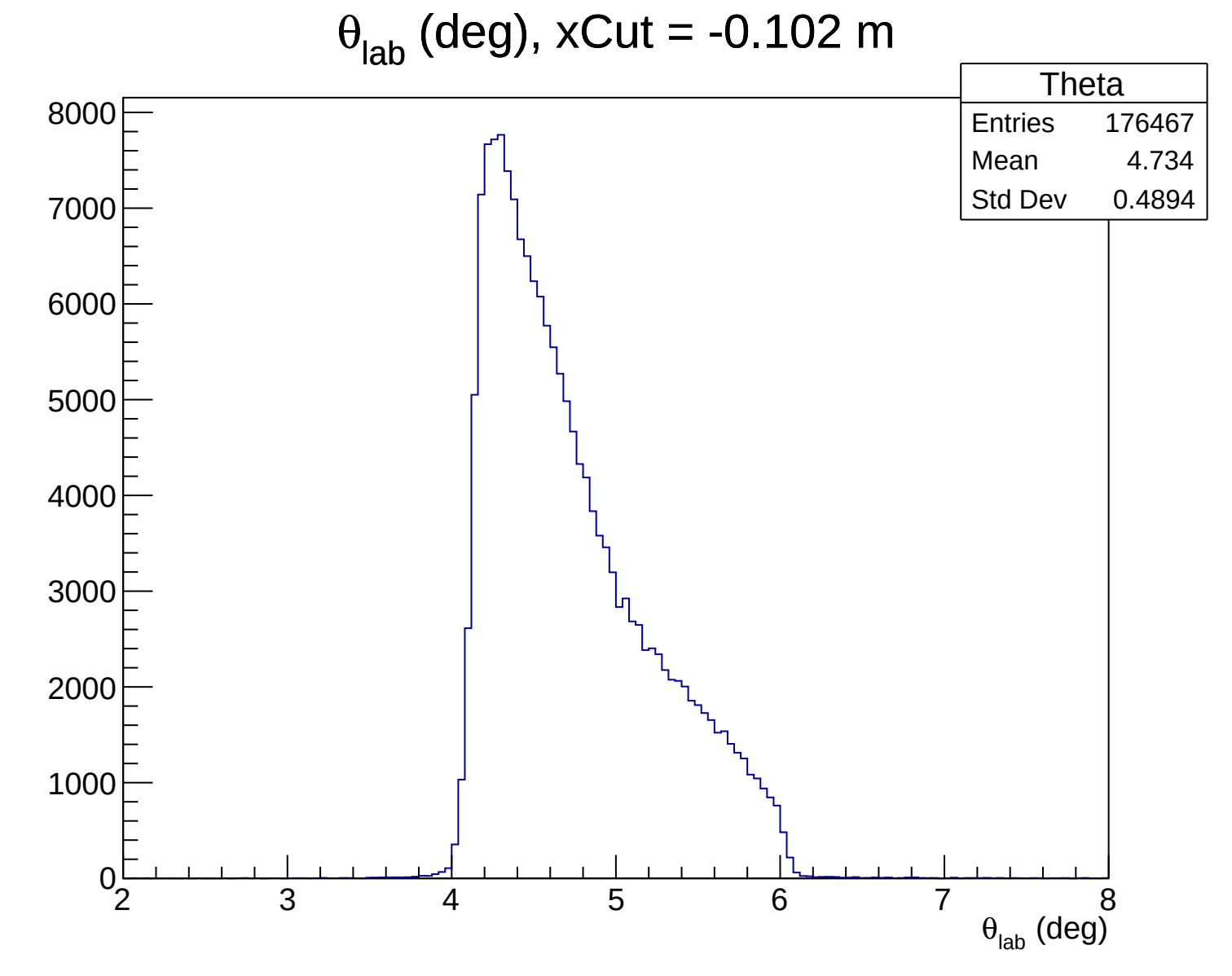

Sensitivity, xCut = -0.100 m
sens
Entries 174358
Mean 0.02172
Std Dev 0.004203
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

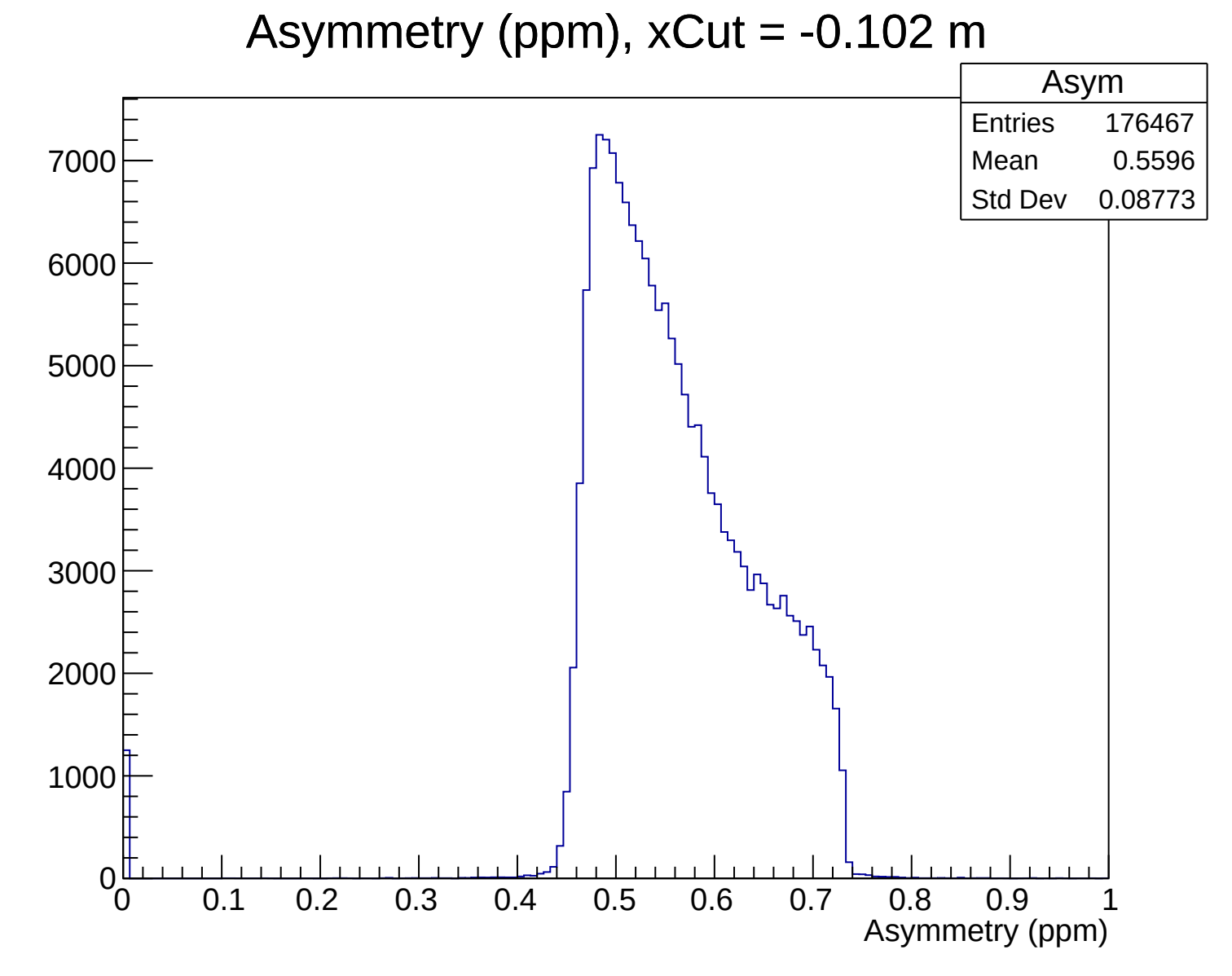

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

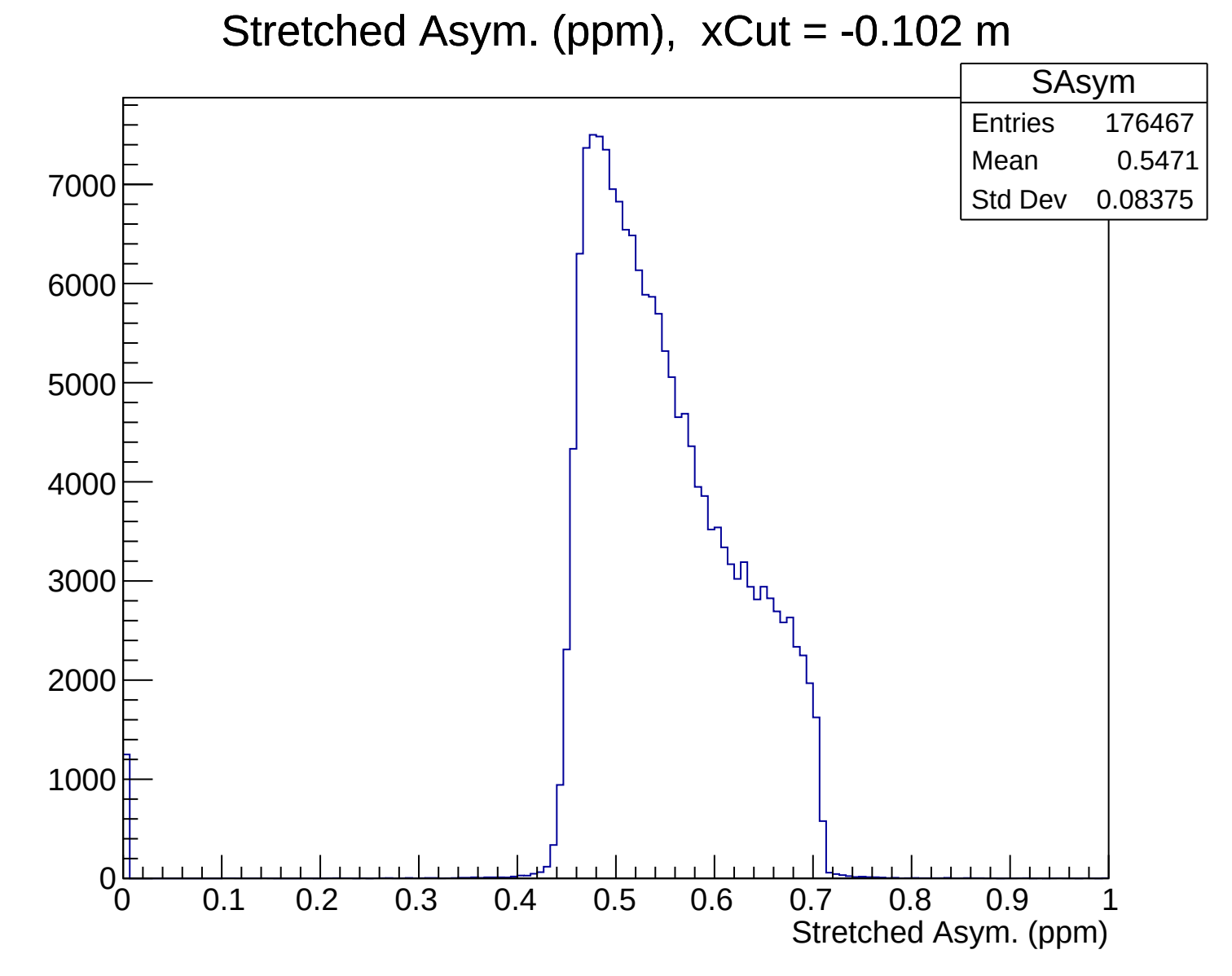

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

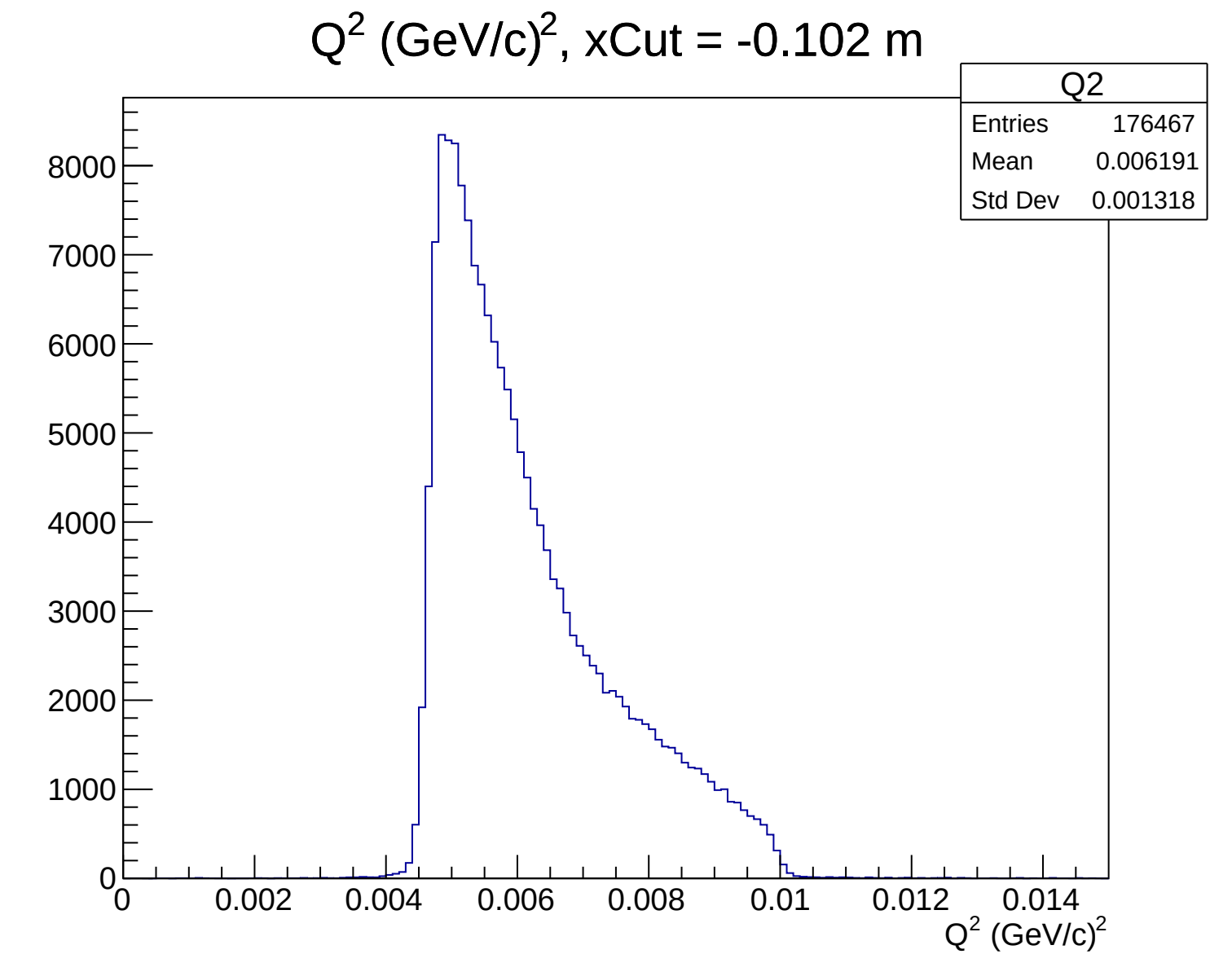

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.102
L.tr.x[0]+1.3*L.tr.th[0] (m)

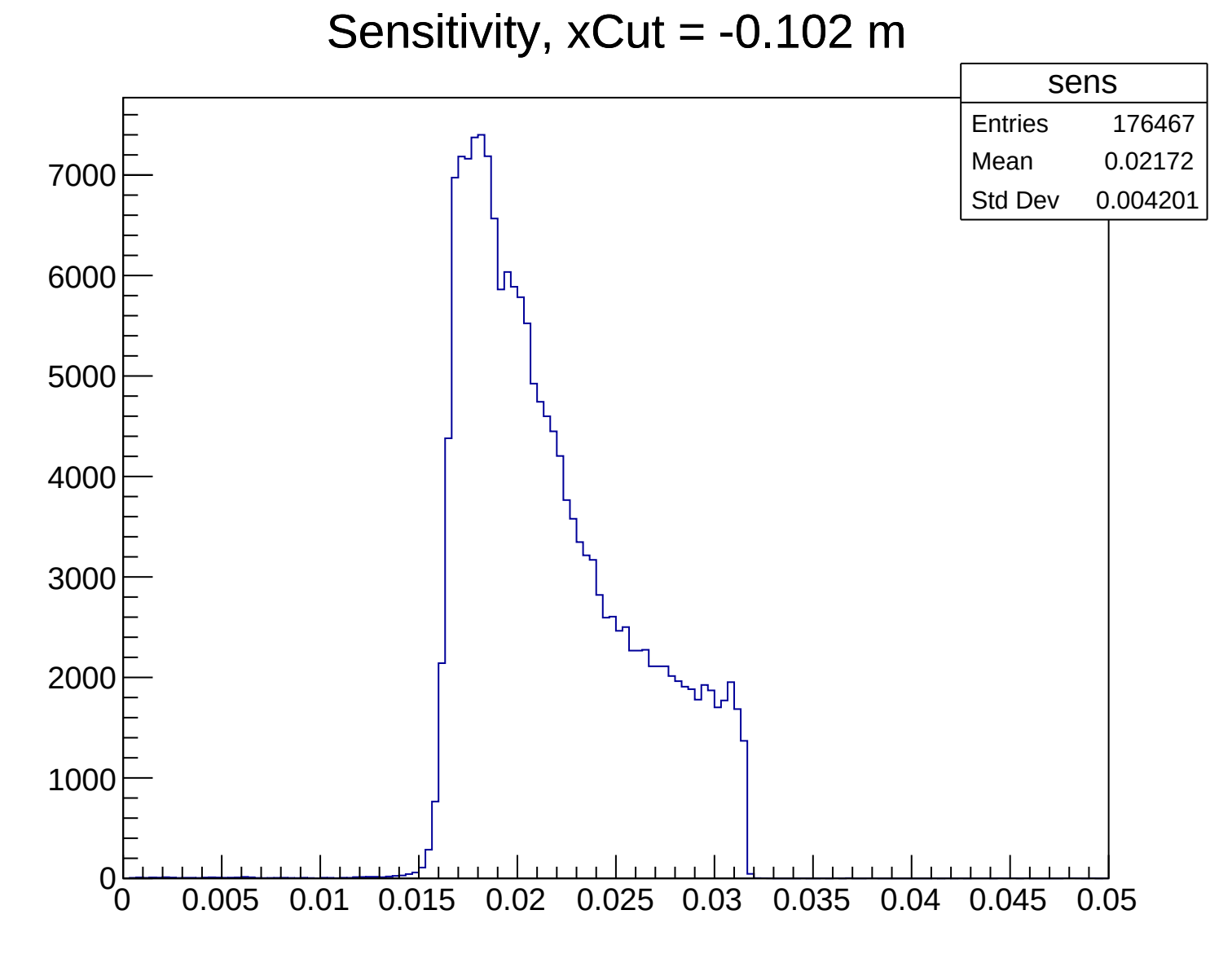

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

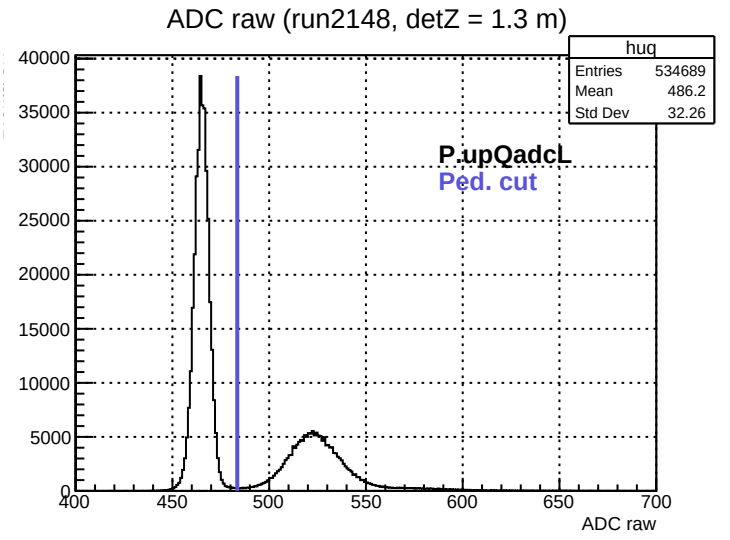

θlab (deg), xCut = -0.102 m
Theta
Entries 176467
Mean 4.734
Std Dev 0.4894
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

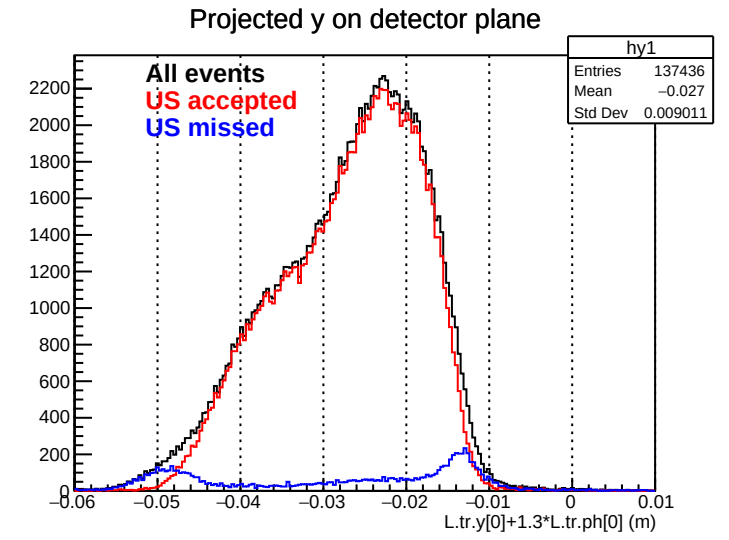

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 176467
Mean 0.5596
Std Dev 0.08773
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

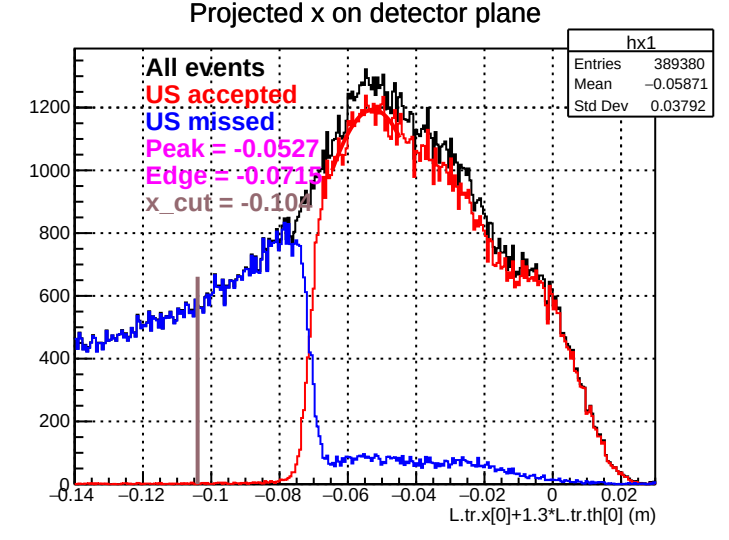

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 176467
Mean 0.5471
Std Dev 0.08375
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

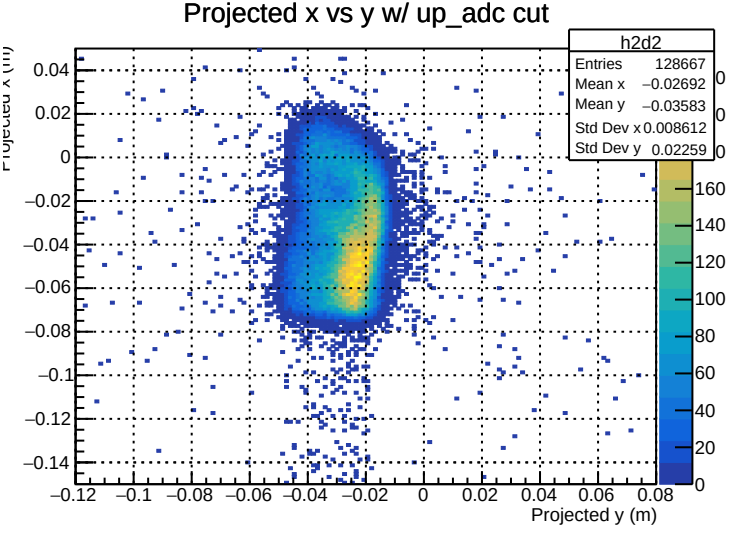

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 176467
Mean 0.006191
Std Dev 0.001318
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

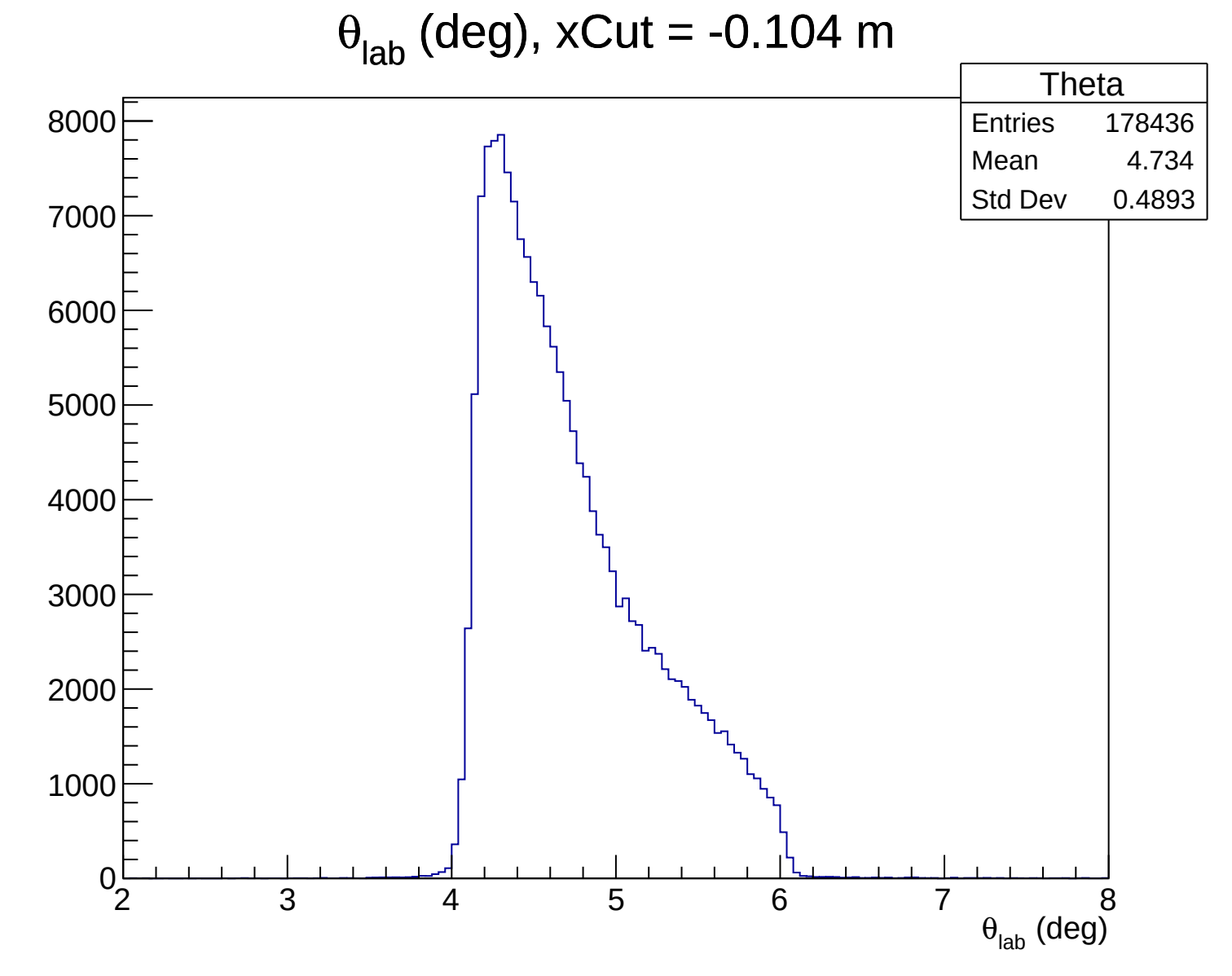

Sensitivity, xCut = -0.102 m
sens
Entries 176467
Mean 0.02172
Std Dev 0.004201
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

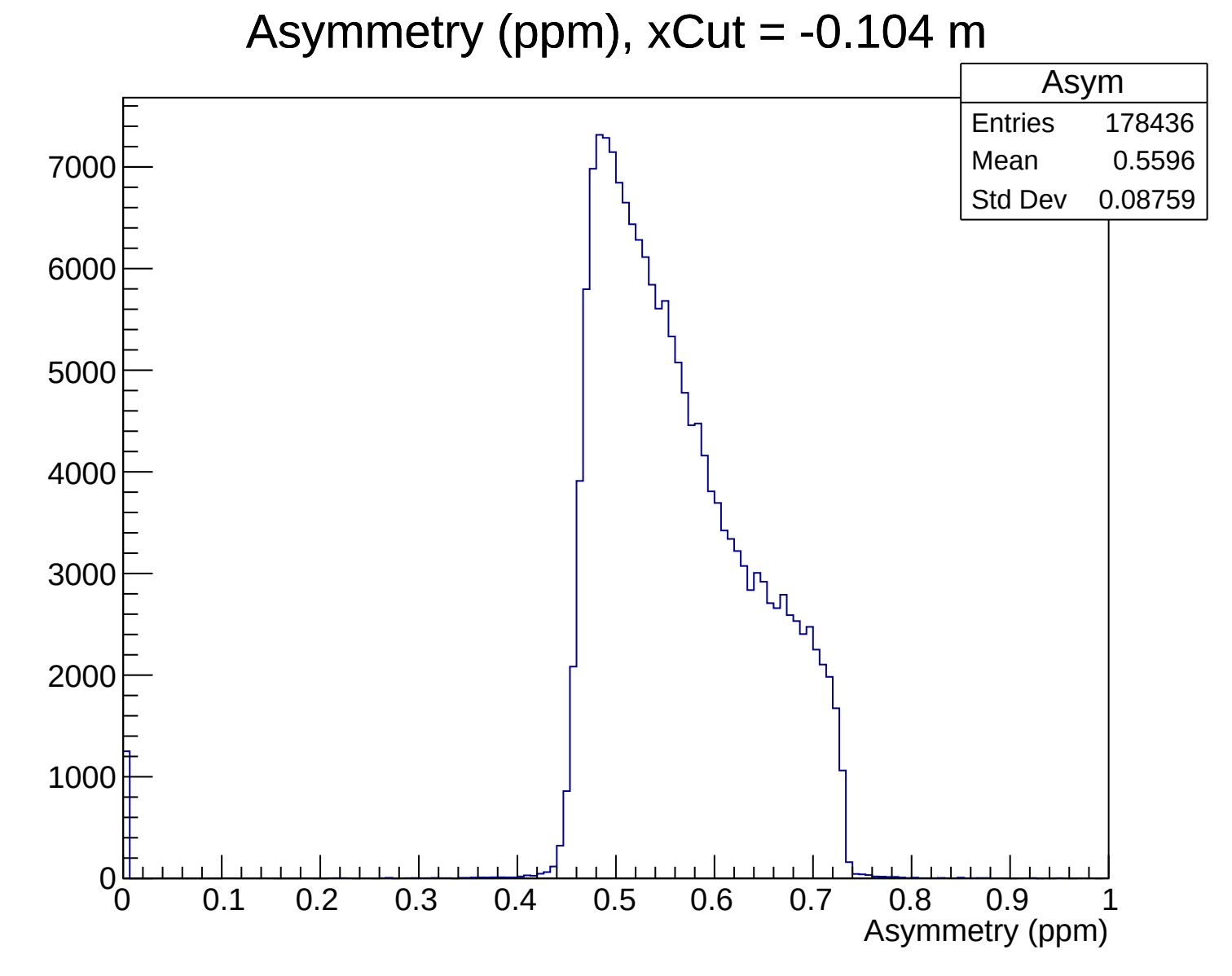

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

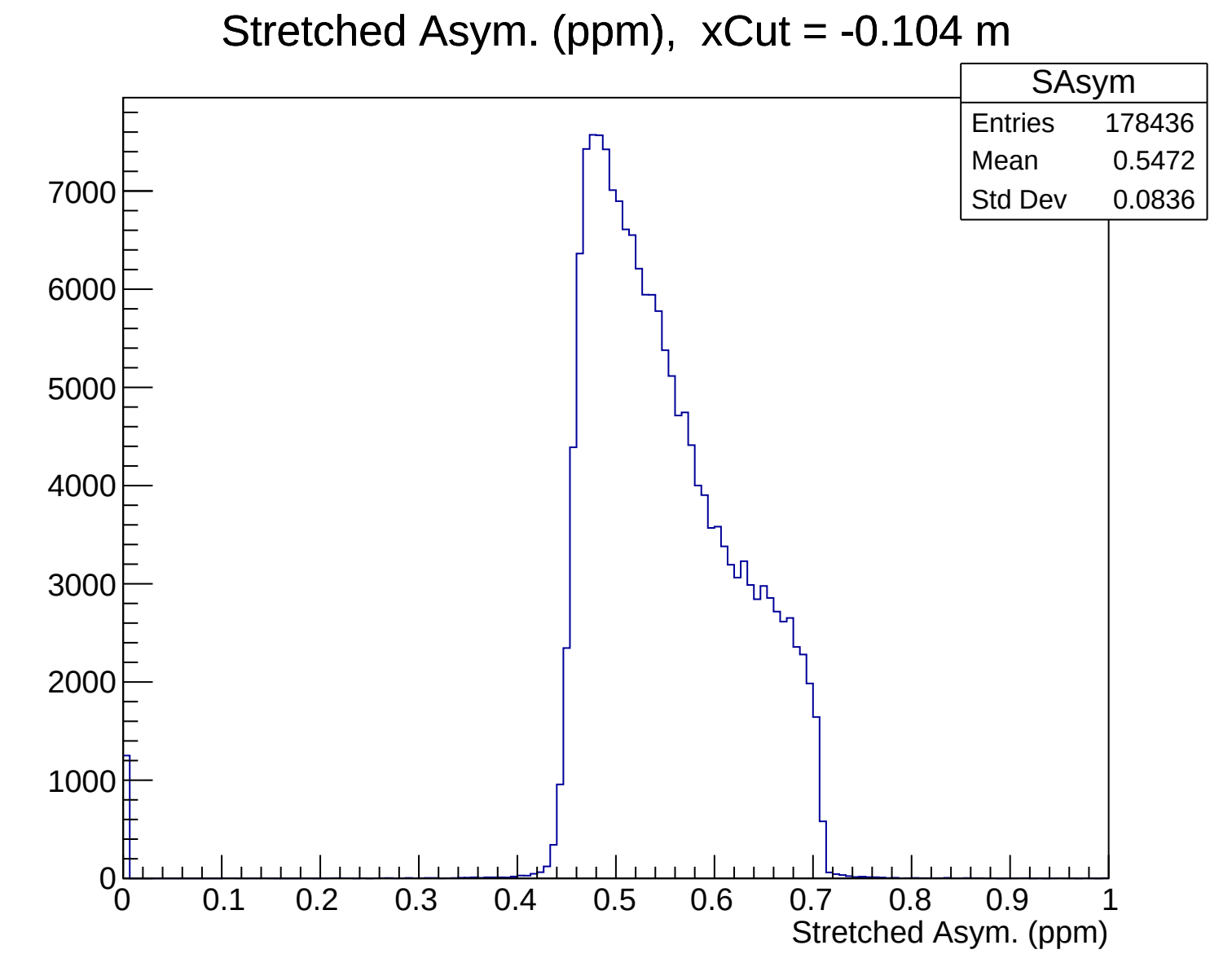

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

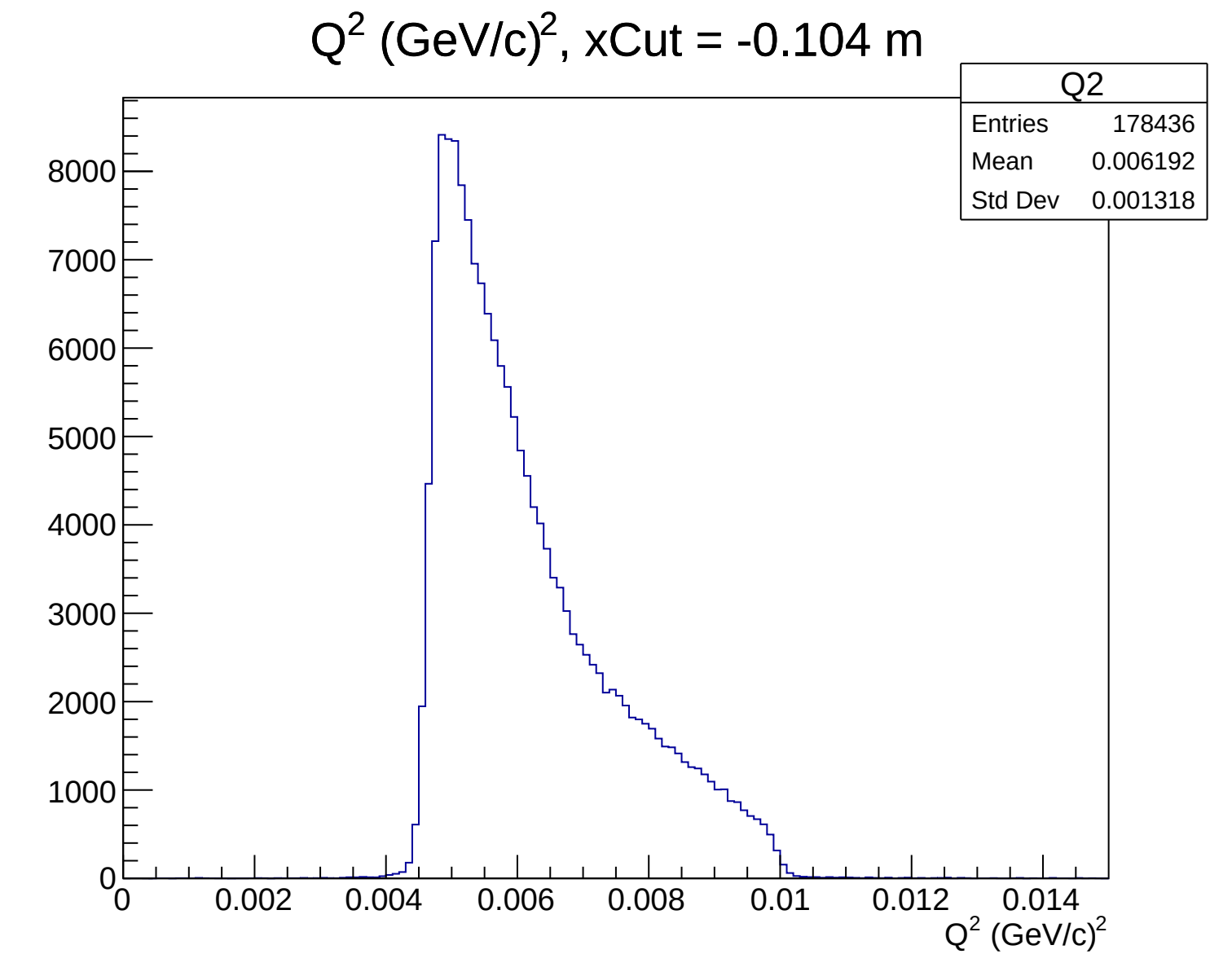

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

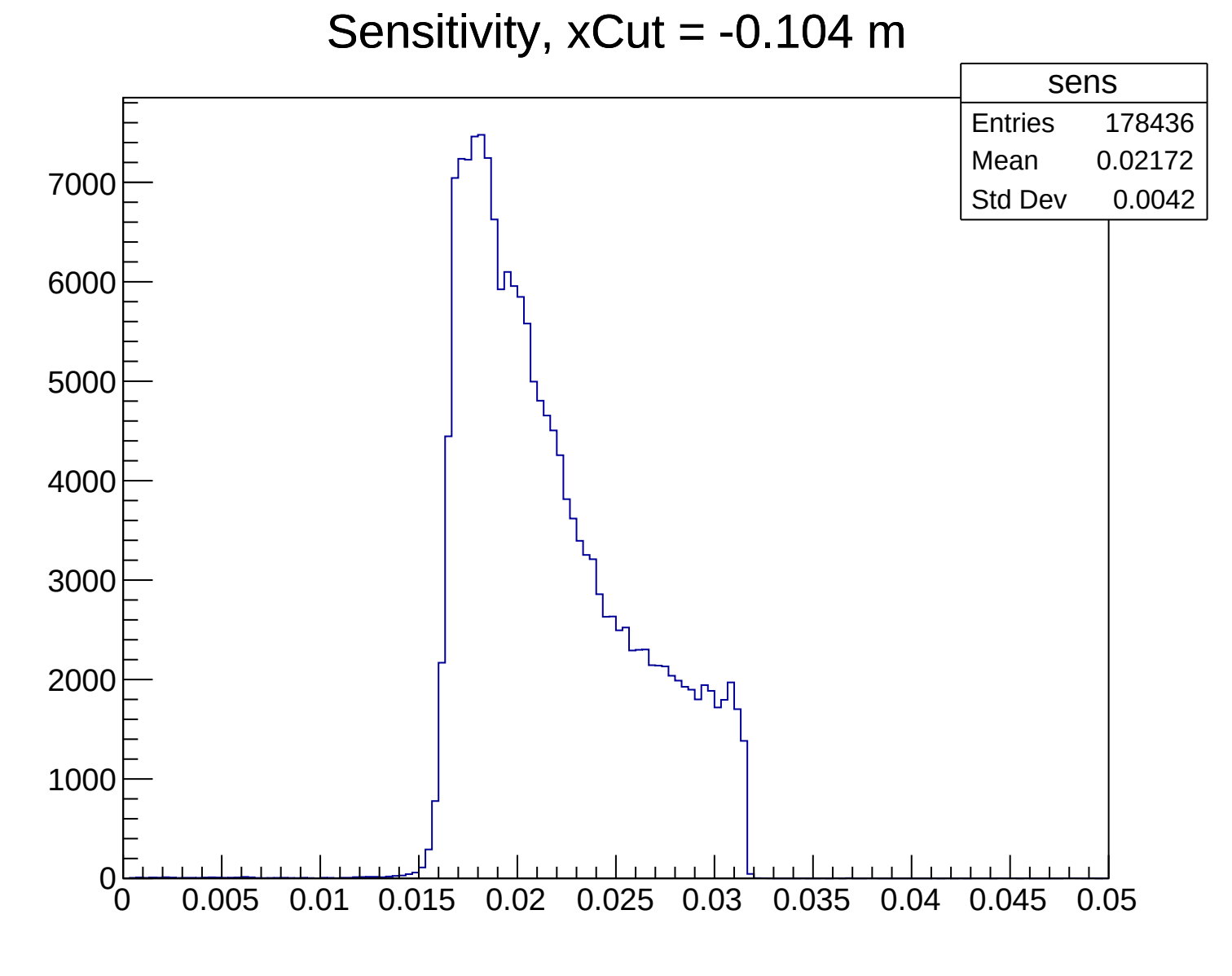

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

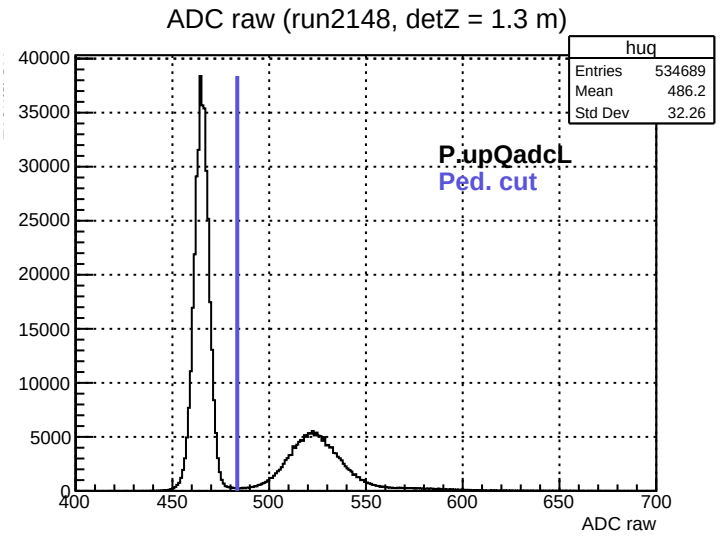

θlab (deg), xCut = -0.104 m
Theta
Entries 178436
Mean 4.734
Std Dev 0.4893
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

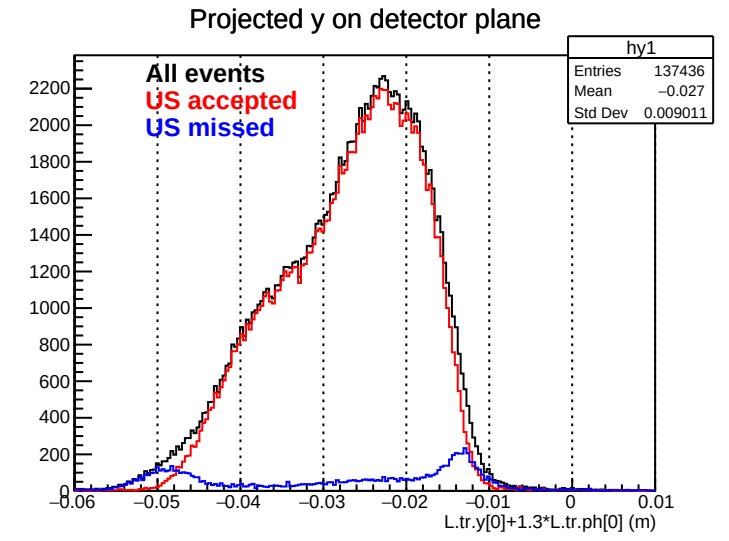

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 178436
Mean 0.5596
Std Dev 0.08759
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

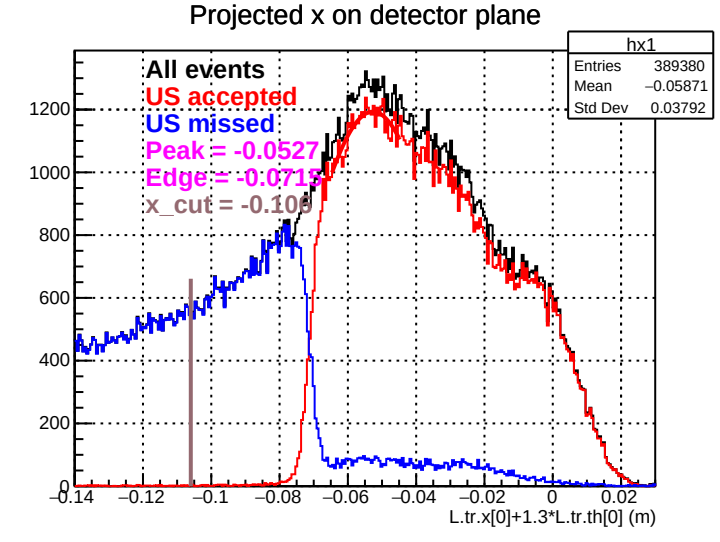

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 178436
Mean 0.5472
Std Dev 0.0836
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

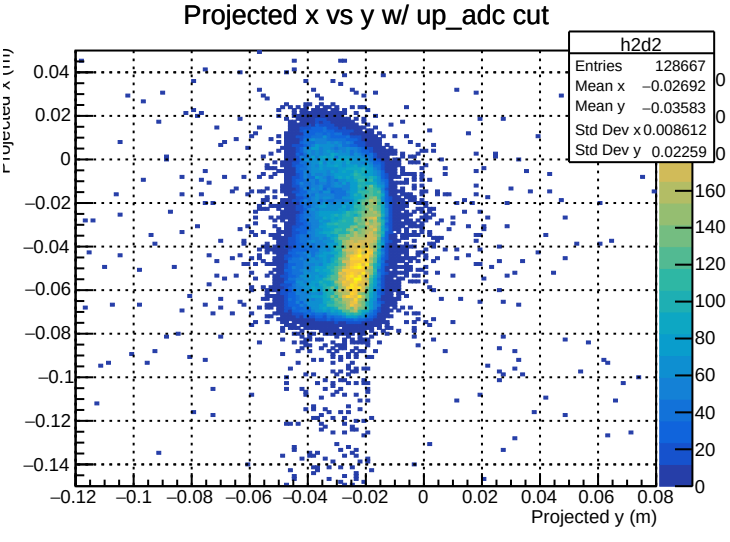

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 178436
Mean 0.006192
Std Dev 0.001318
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

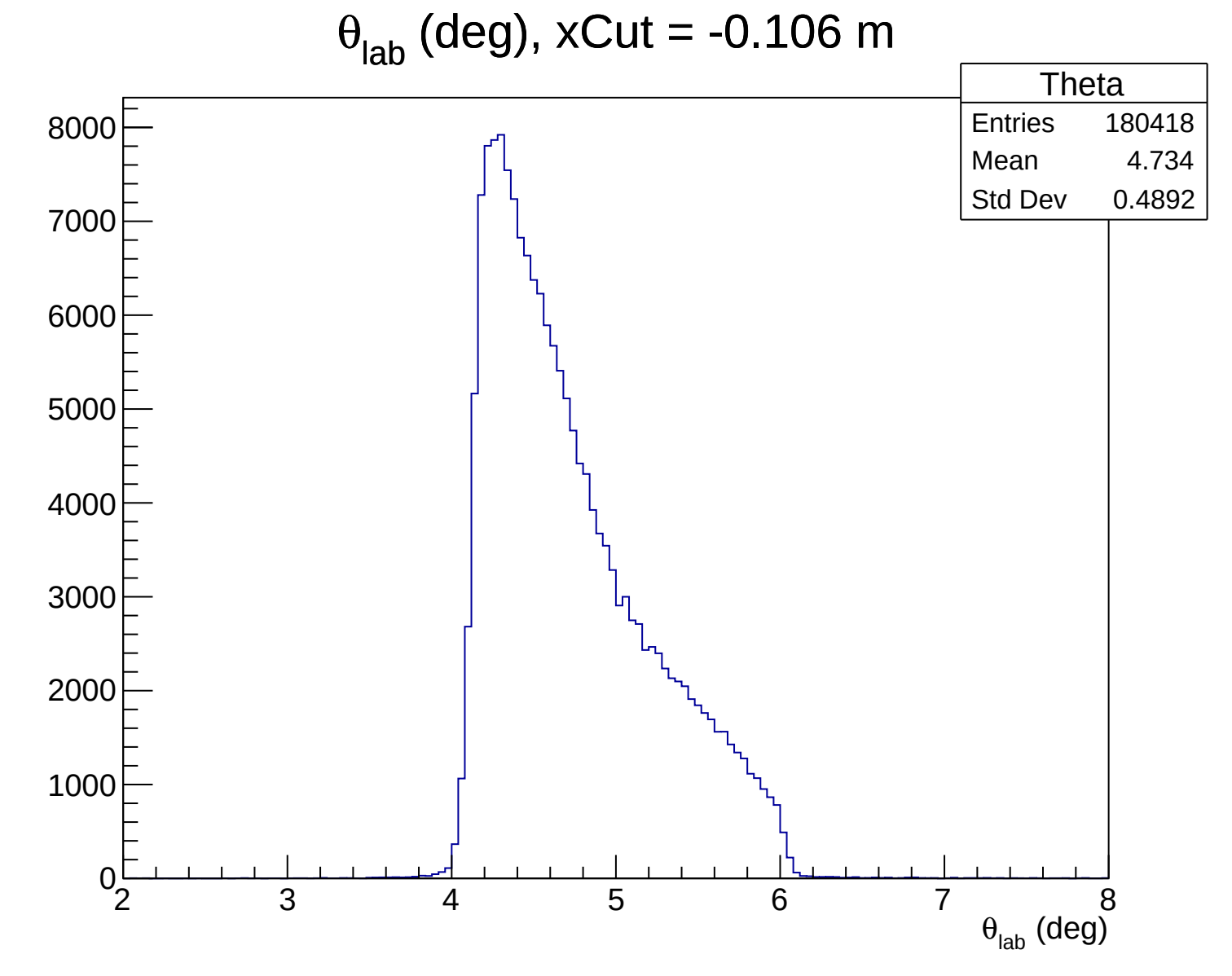

Sensitivity, xCut = -0.104 m
sens
Entries 178436
Mean 0.02172
Std Dev 0.0042
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

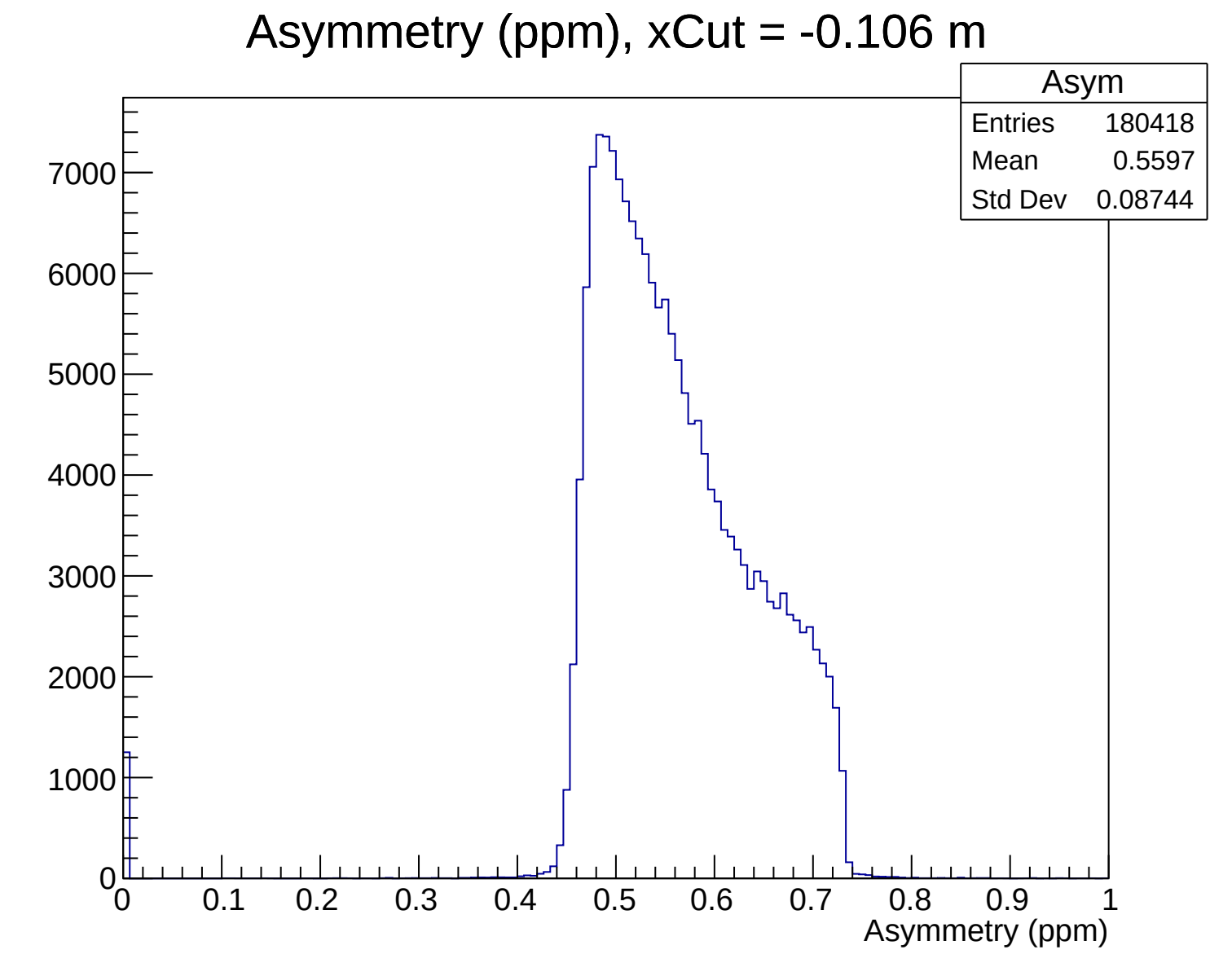

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

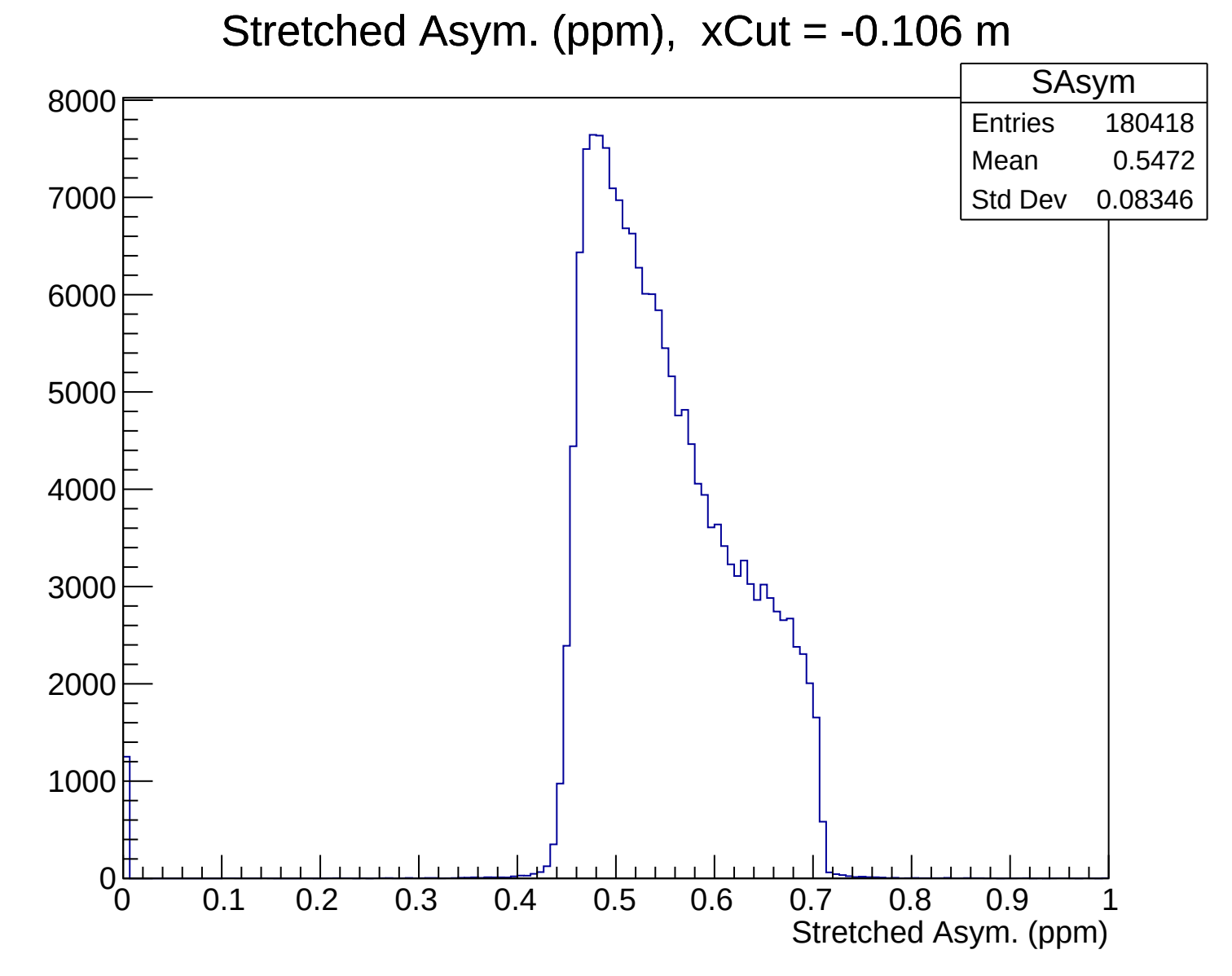

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

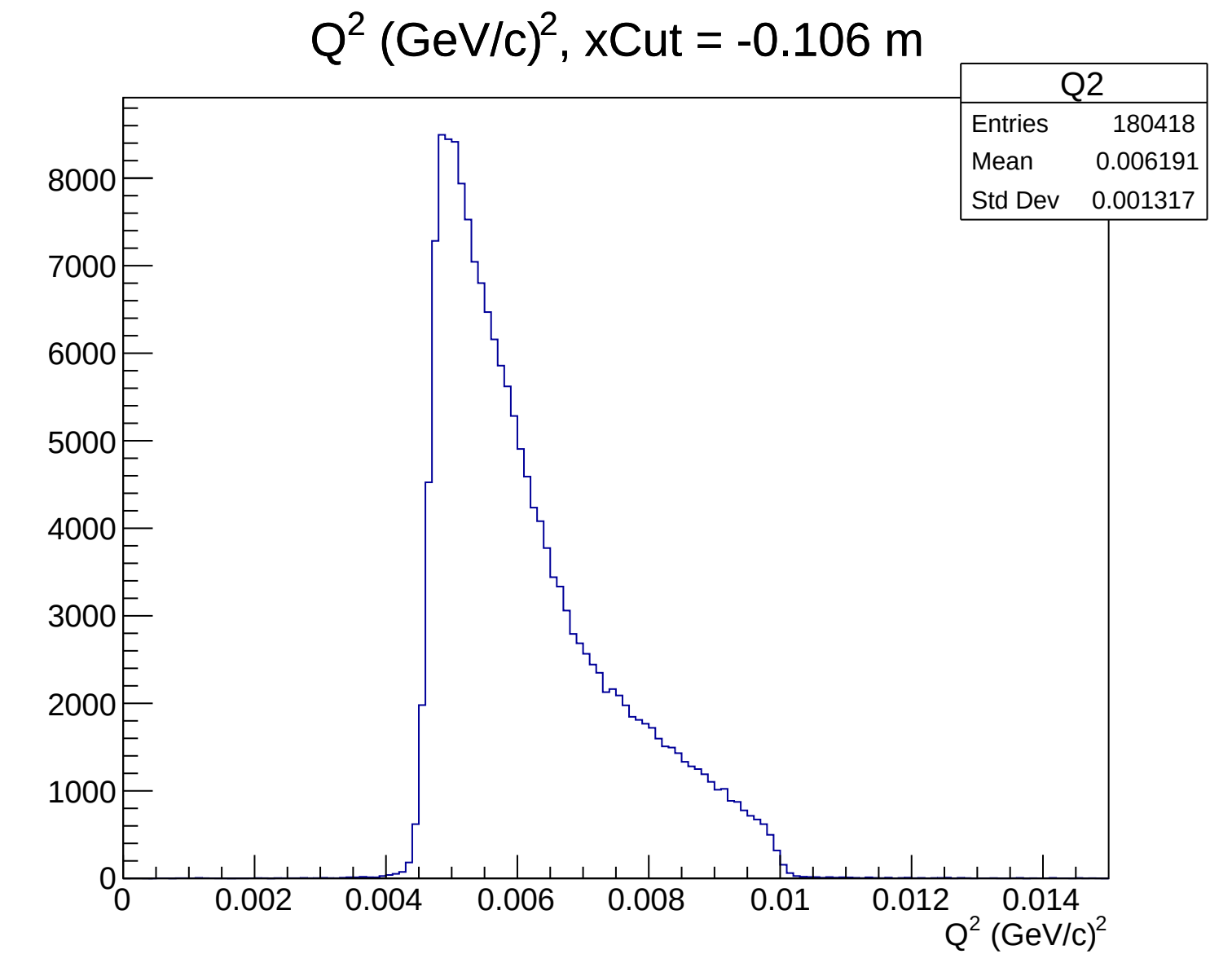

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

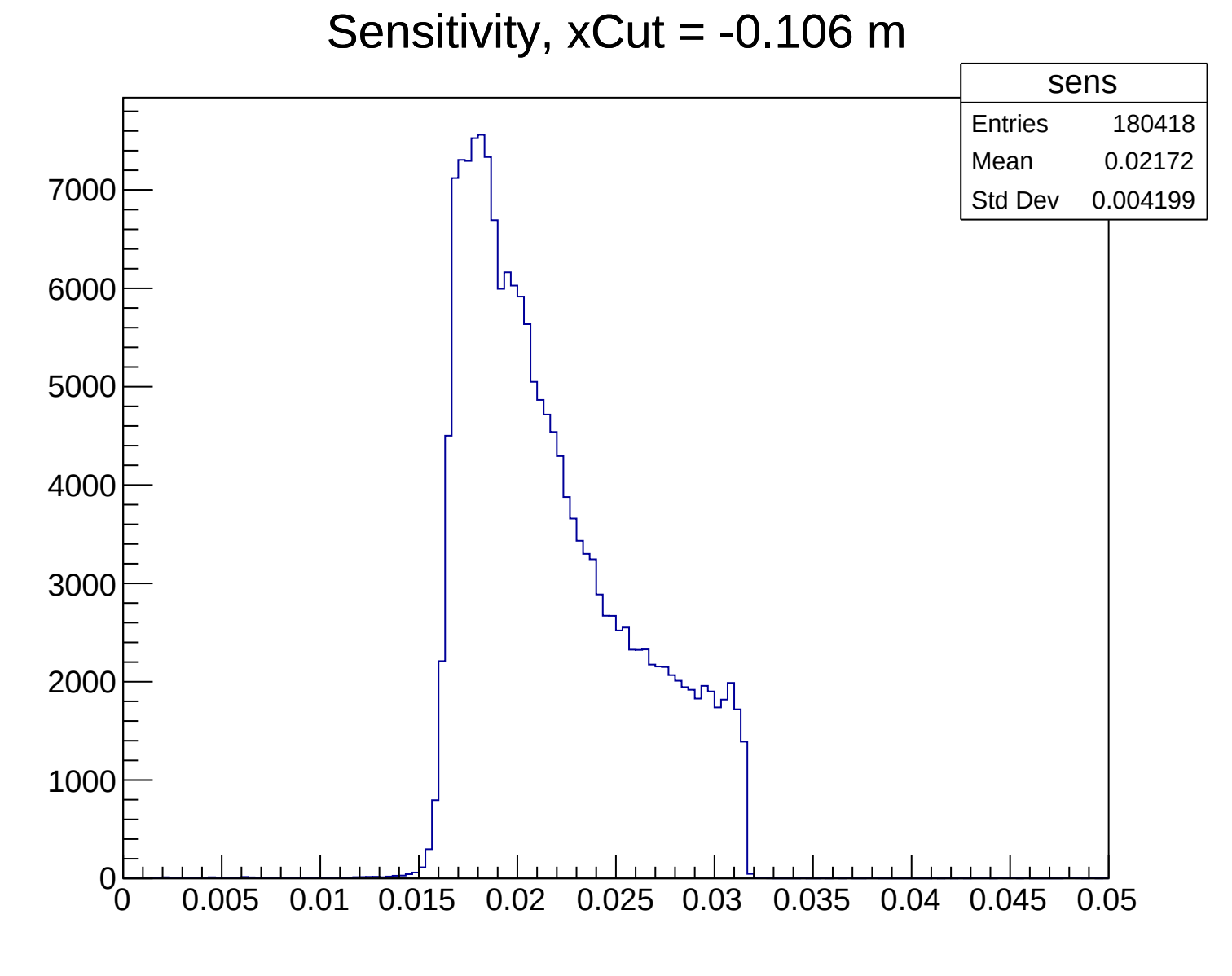

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

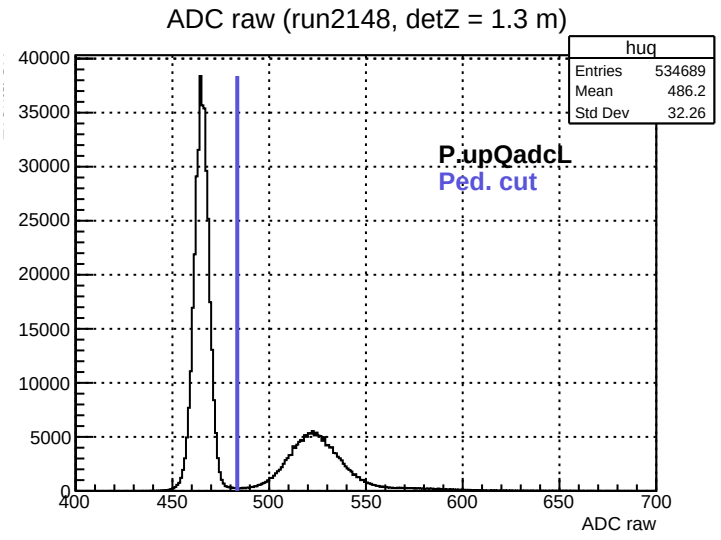

θlab (deg), xCut = -0.106 m
Theta
Entries 180418
Mean 4.734
Std Dev 0.4892
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

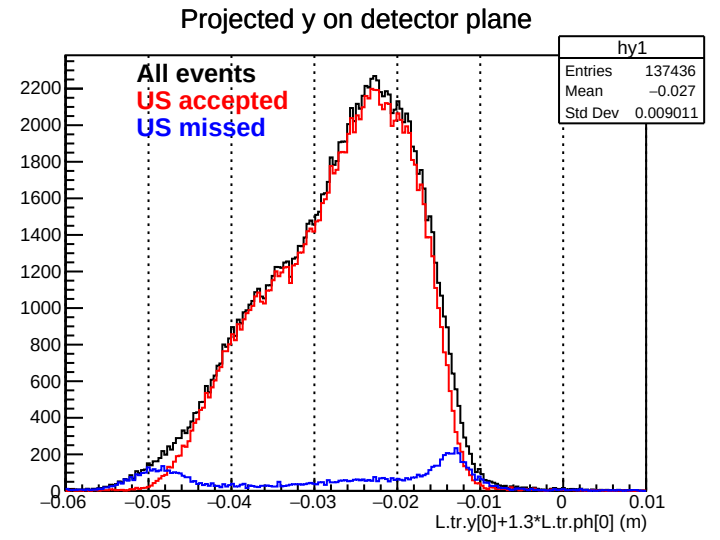

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 180418
Mean 0.5597
Std Dev 0.08744
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

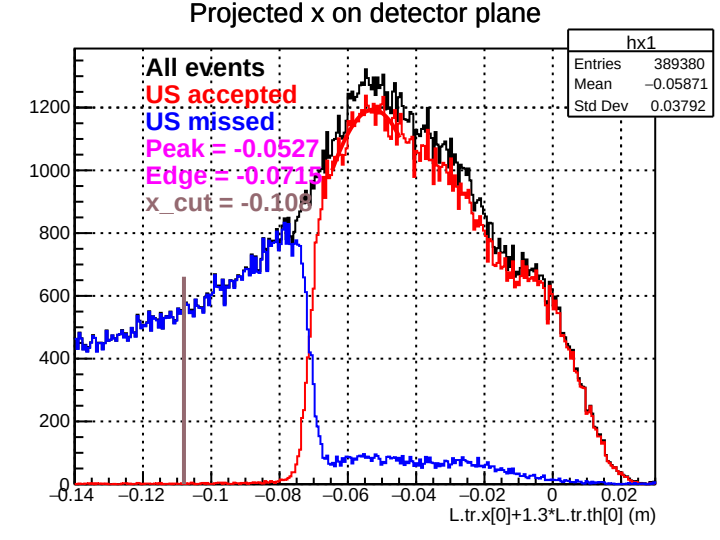

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 180418
Mean 0.5472
Std Dev 0.08346
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

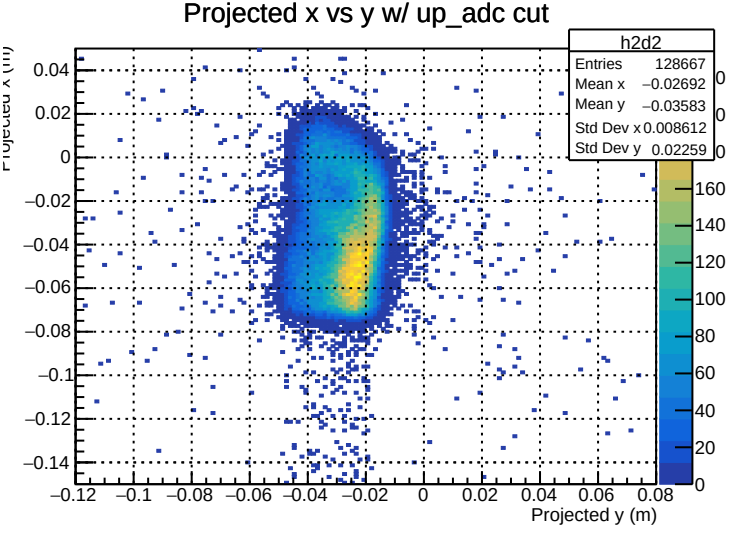

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 180418
Mean 0.006191
Std Dev 0.001317
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

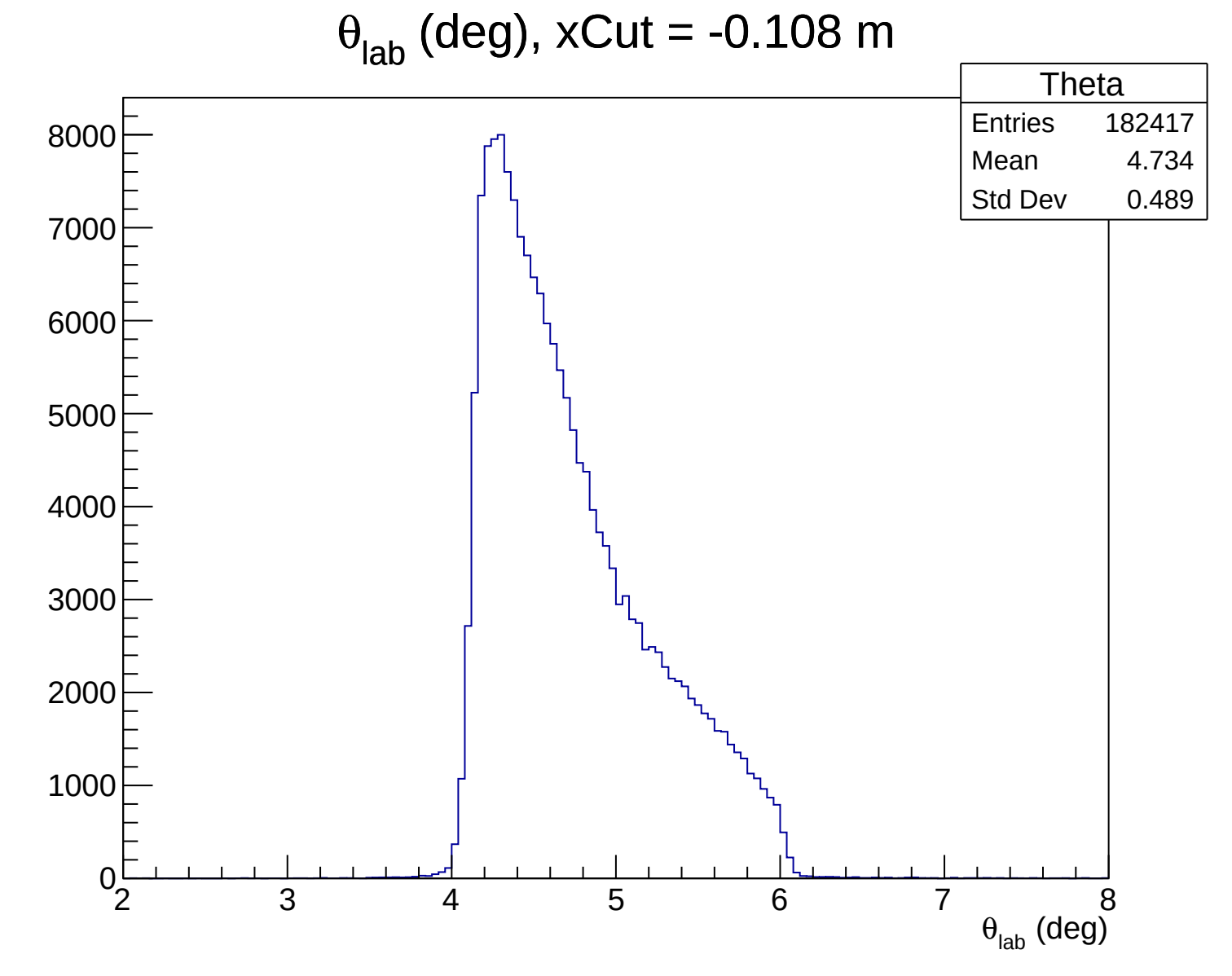

Sensitivity, xCut = -0.106 m
sens
Entries 180418
Mean 0.02172
Std Dev 0.004199
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

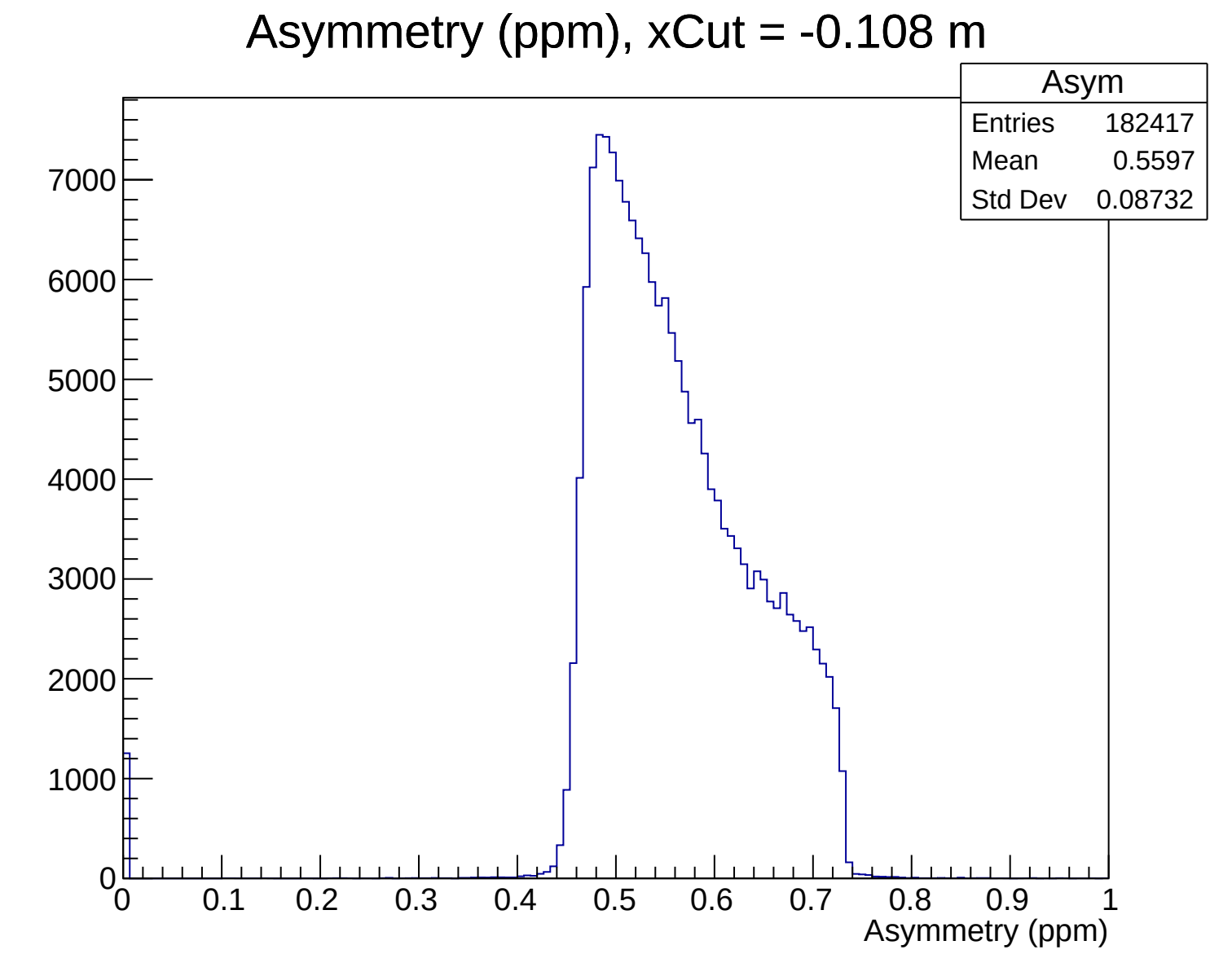

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

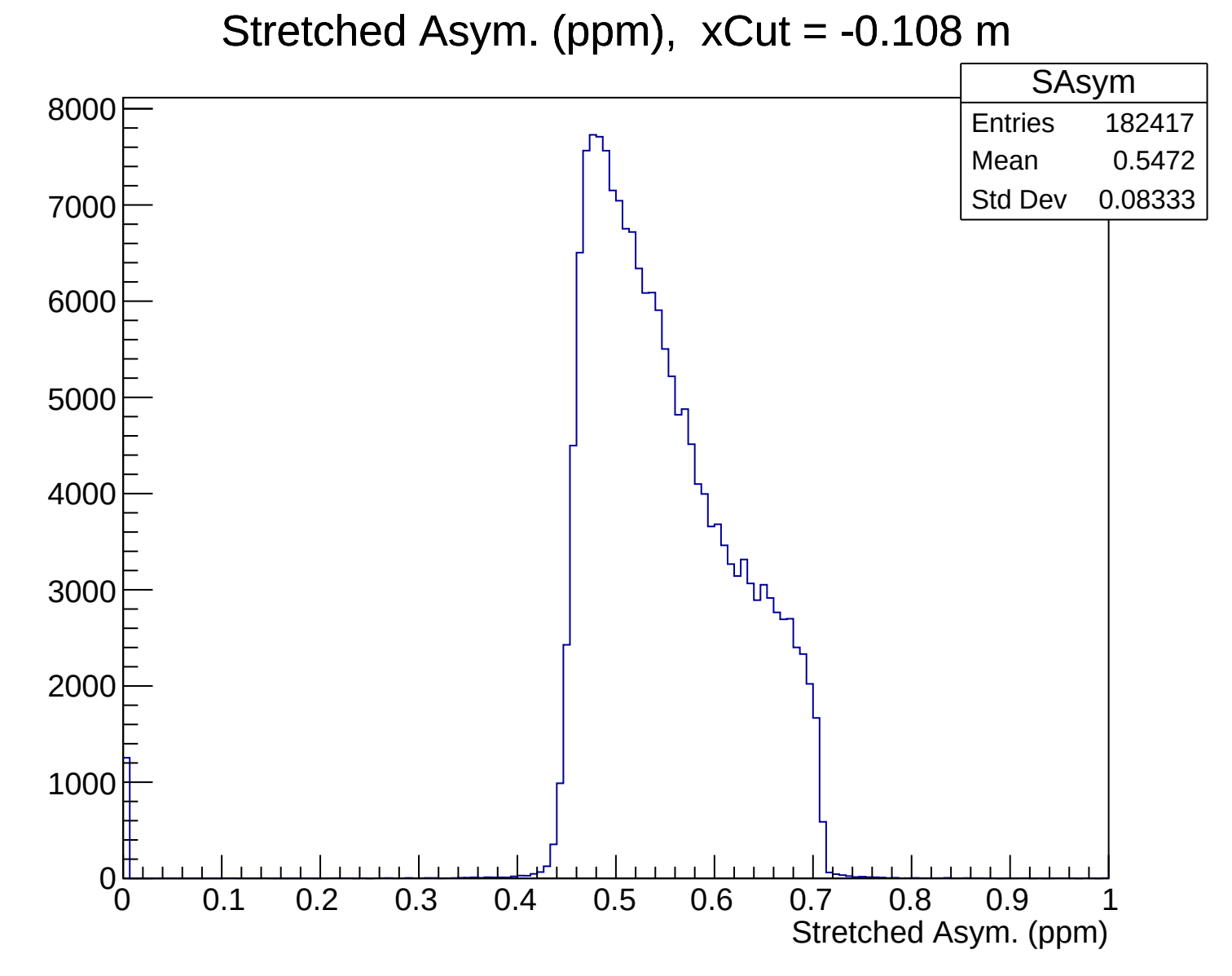

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

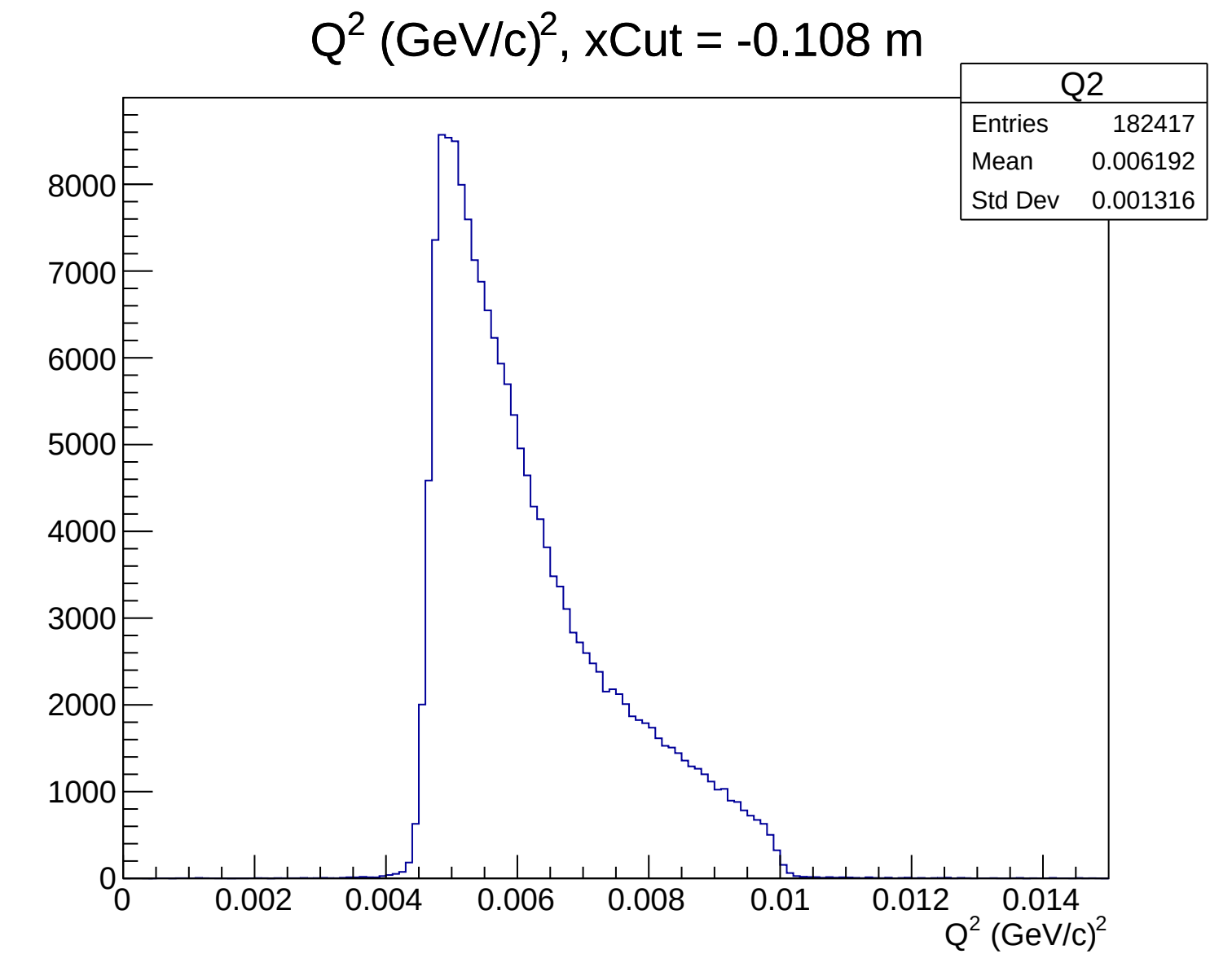

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.109
L.tr.x[0]+1.3*L.tr.th[0] (m)

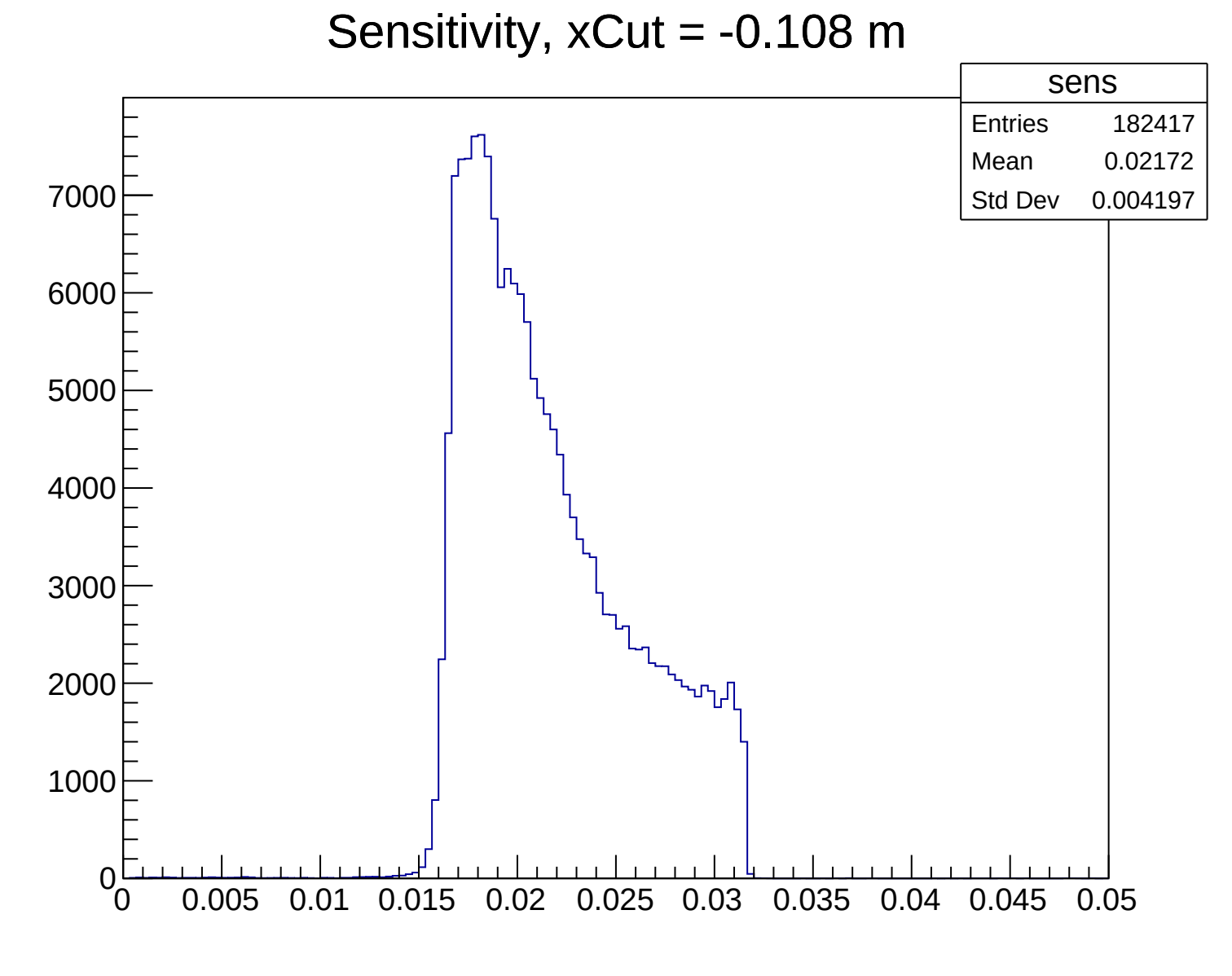

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

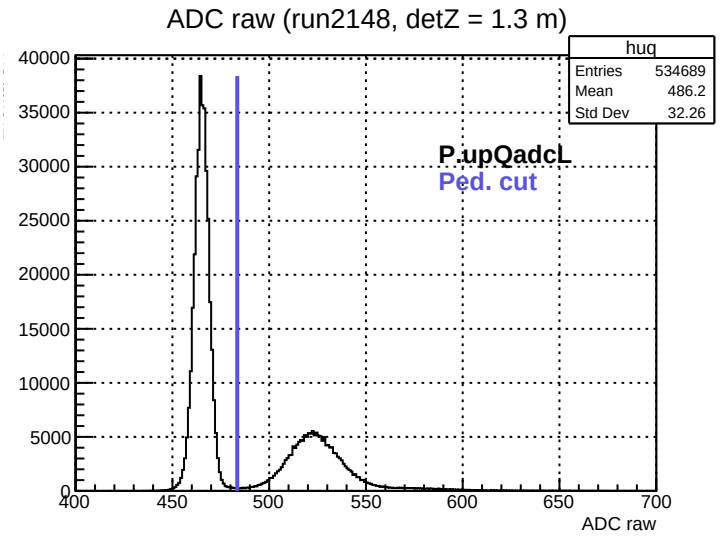

θlab (deg), xCut = -0.108 m
Theta
Entries 182417
Mean 4.734
Std Dev 0.489
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

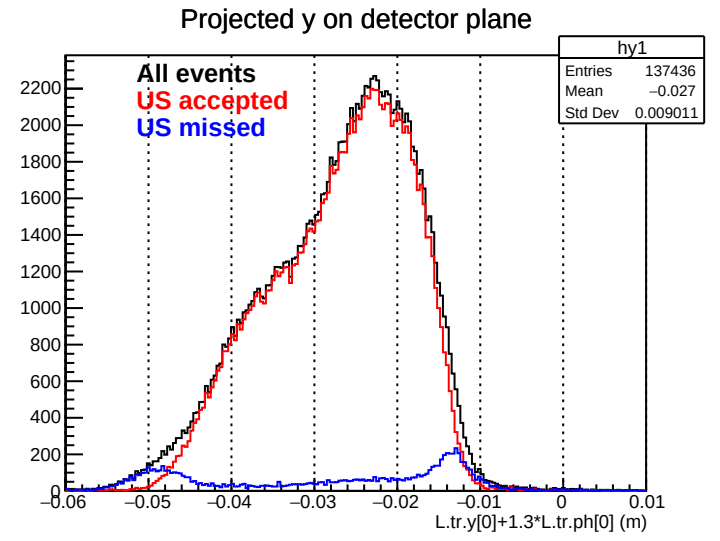

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 182417
Mean 0.5597
Std Dev 0.08732
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

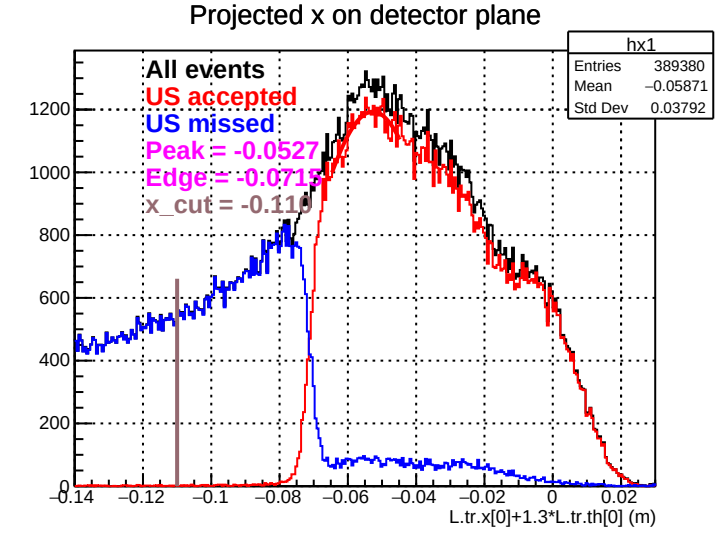

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 182417
Mean 0.5472
Std Dev 0.08333
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

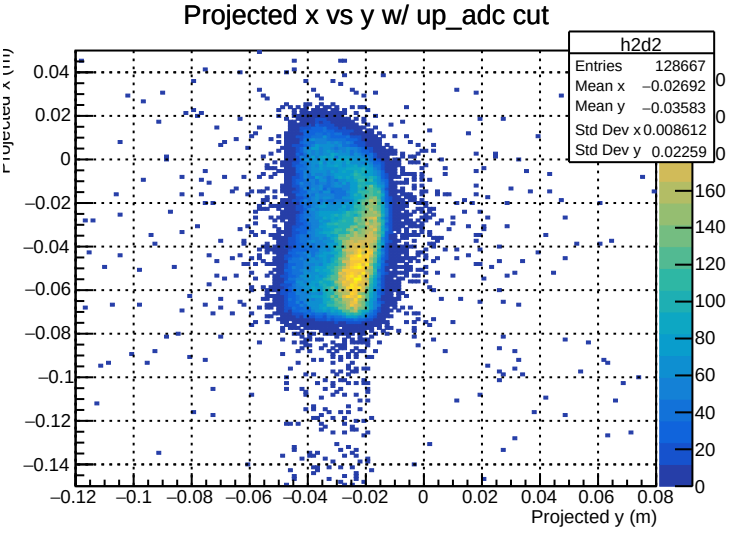

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 182417
Mean 0.006192
Std Dev 0.001316
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

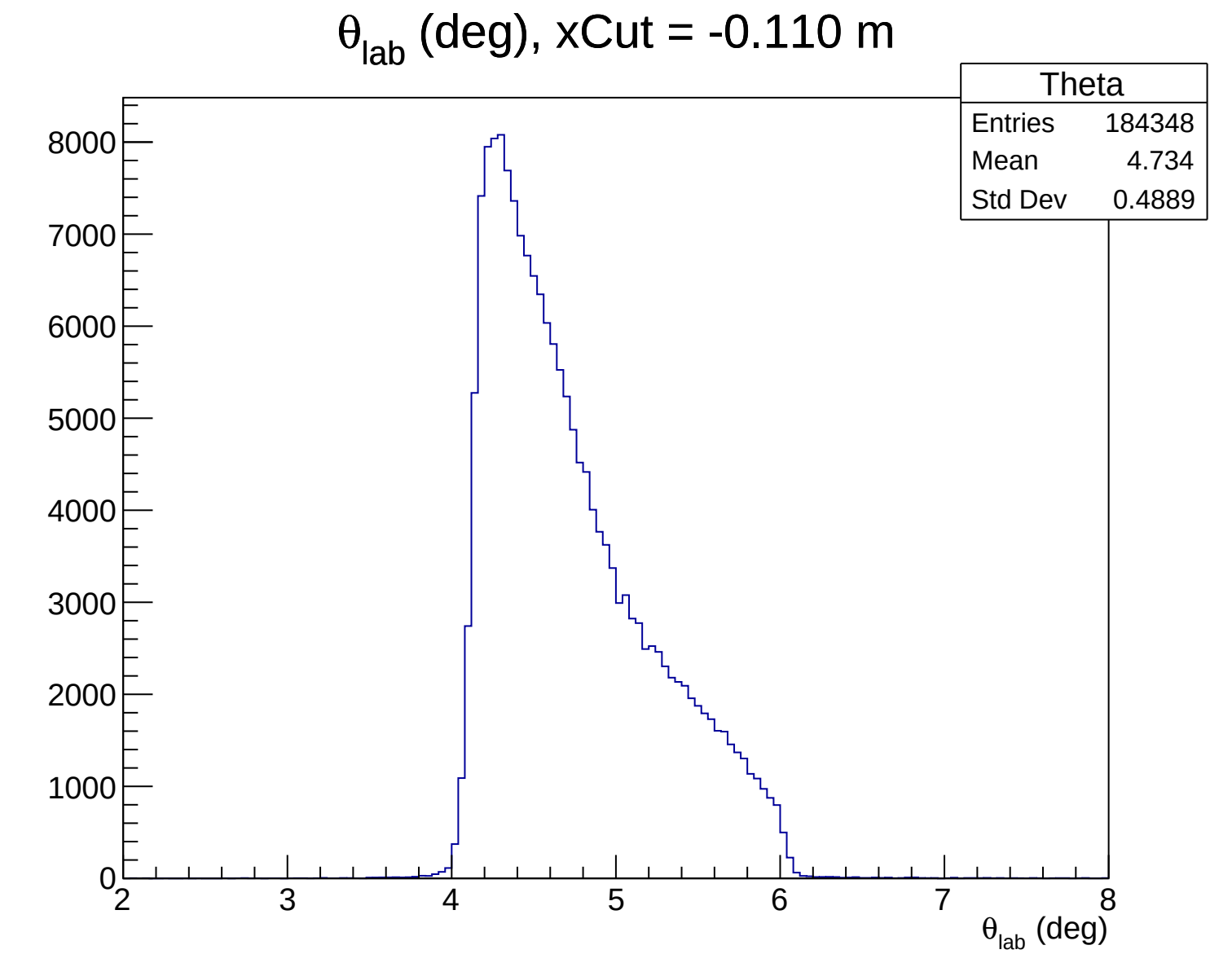

Sensitivity, xCut = -0.108 m
sens
Entries 182417
Mean 0.02172
Std Dev 0.004197
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

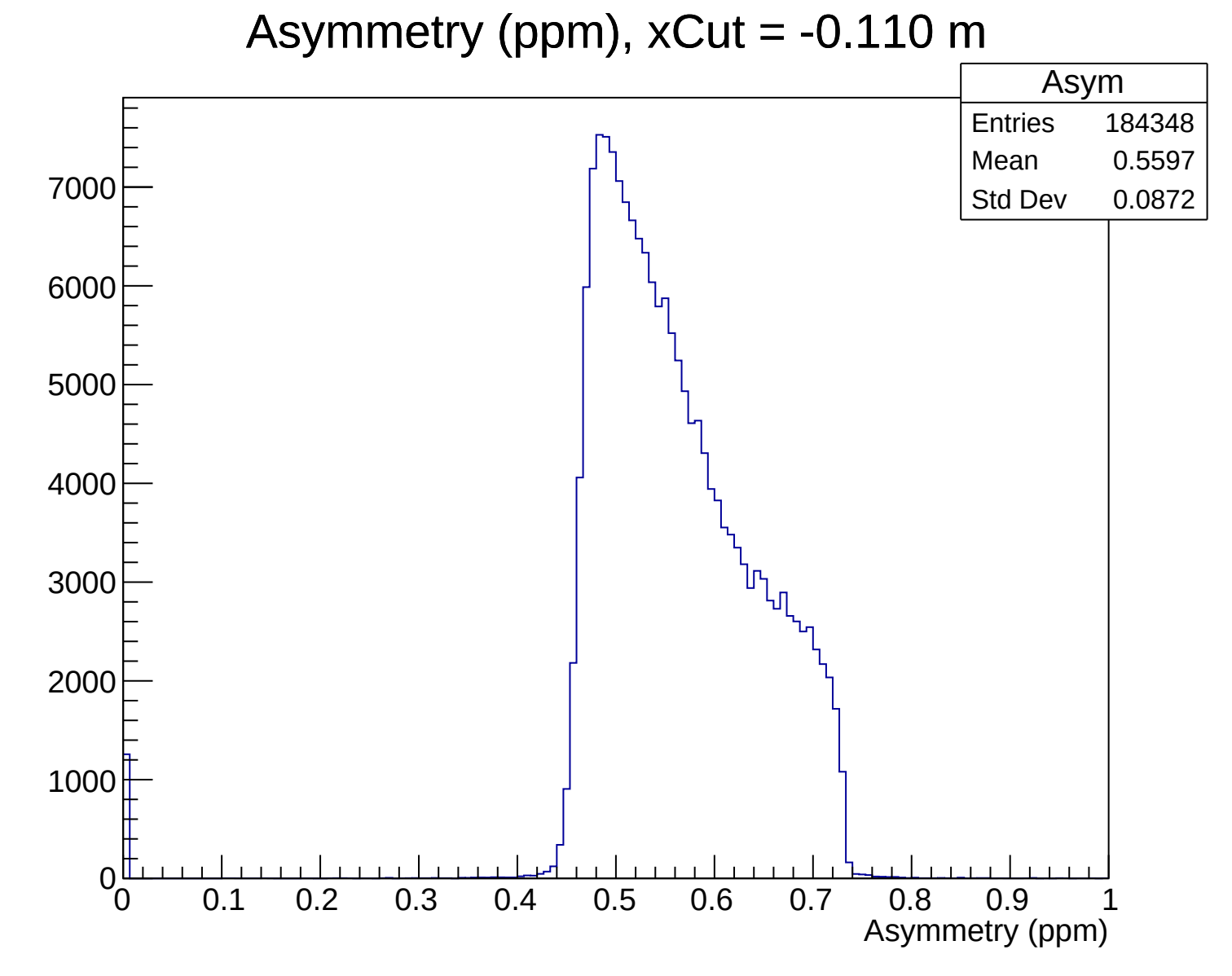

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

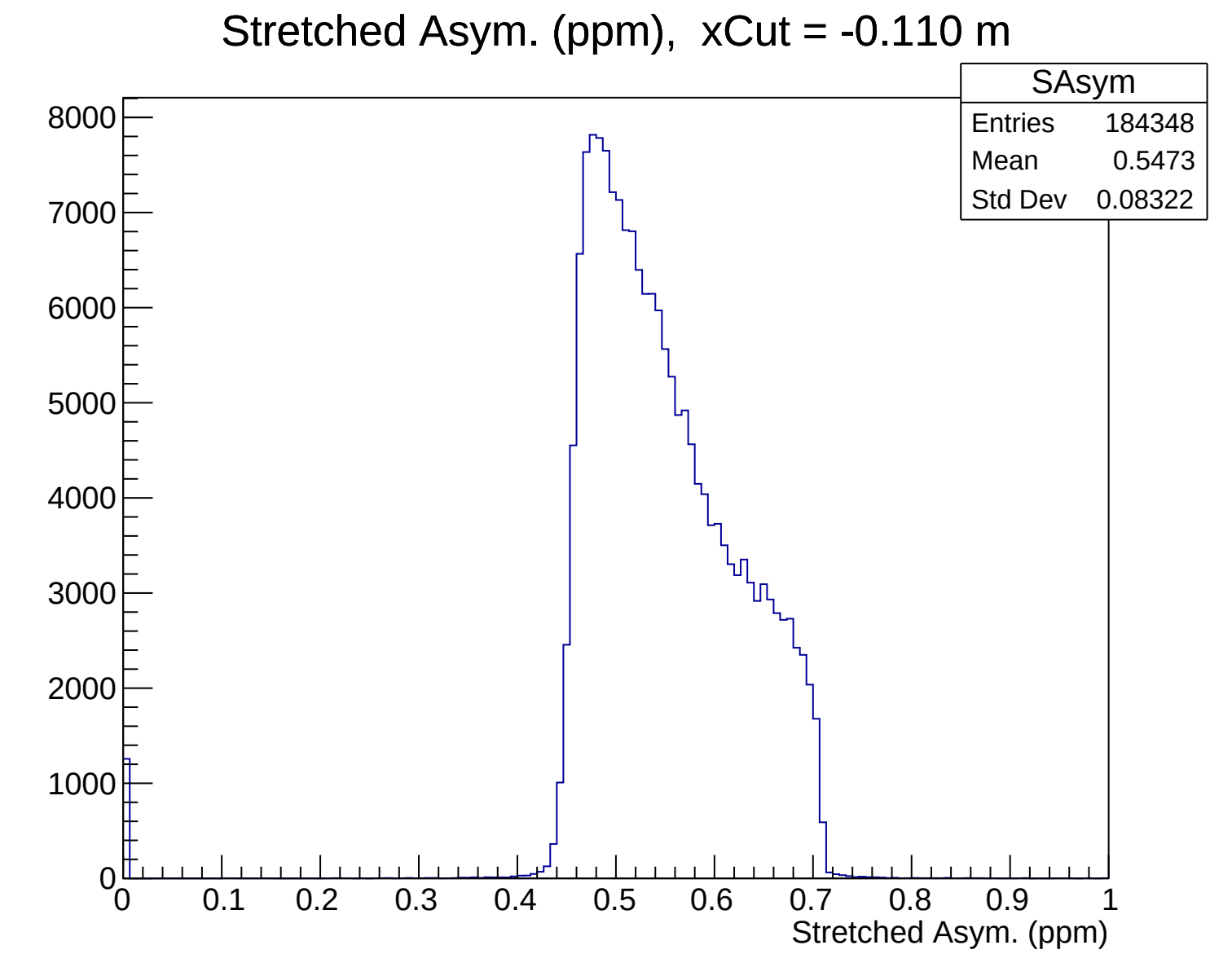

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

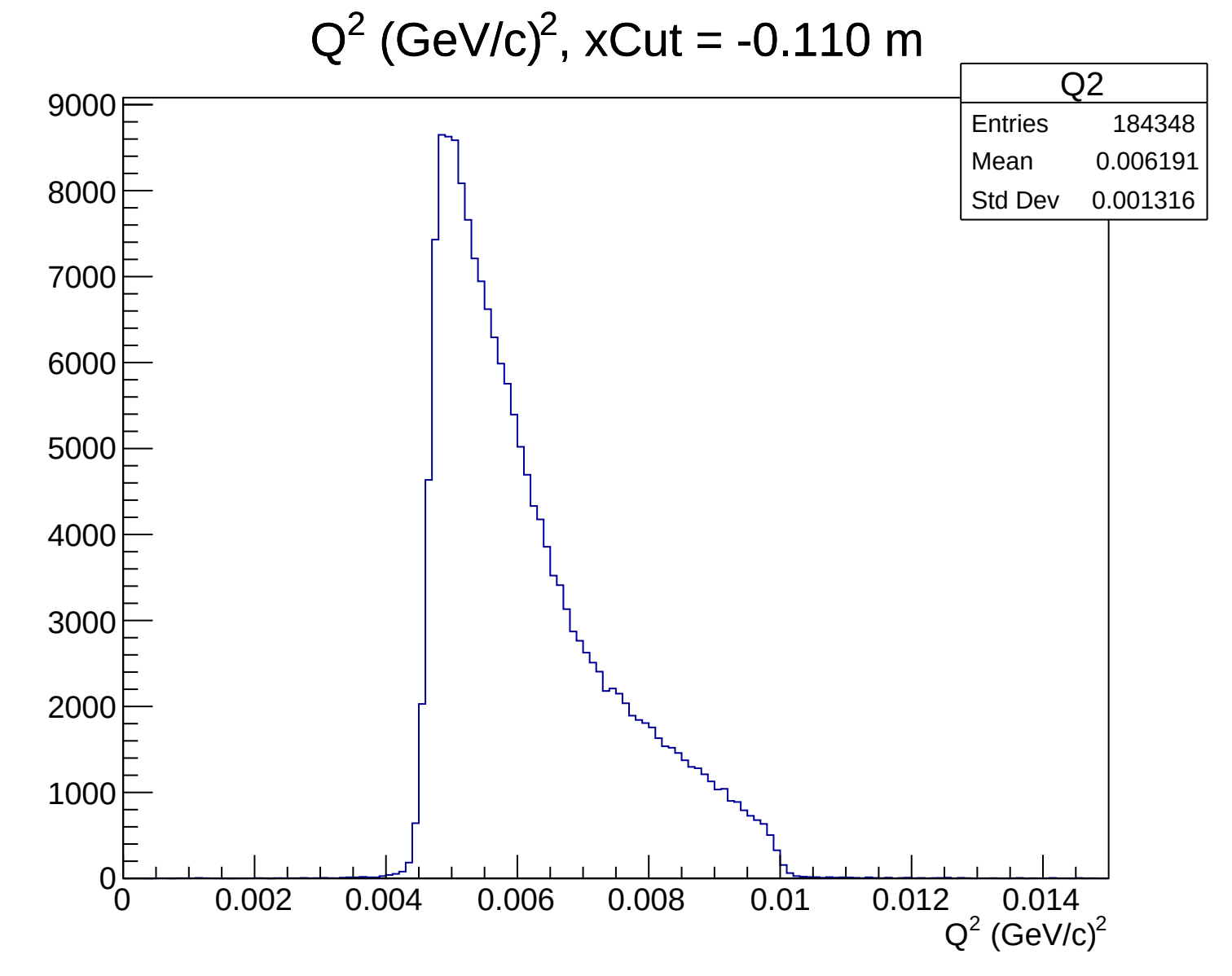

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.110
L.tr.x[0]+1.3*L.tr.th[0] (m)

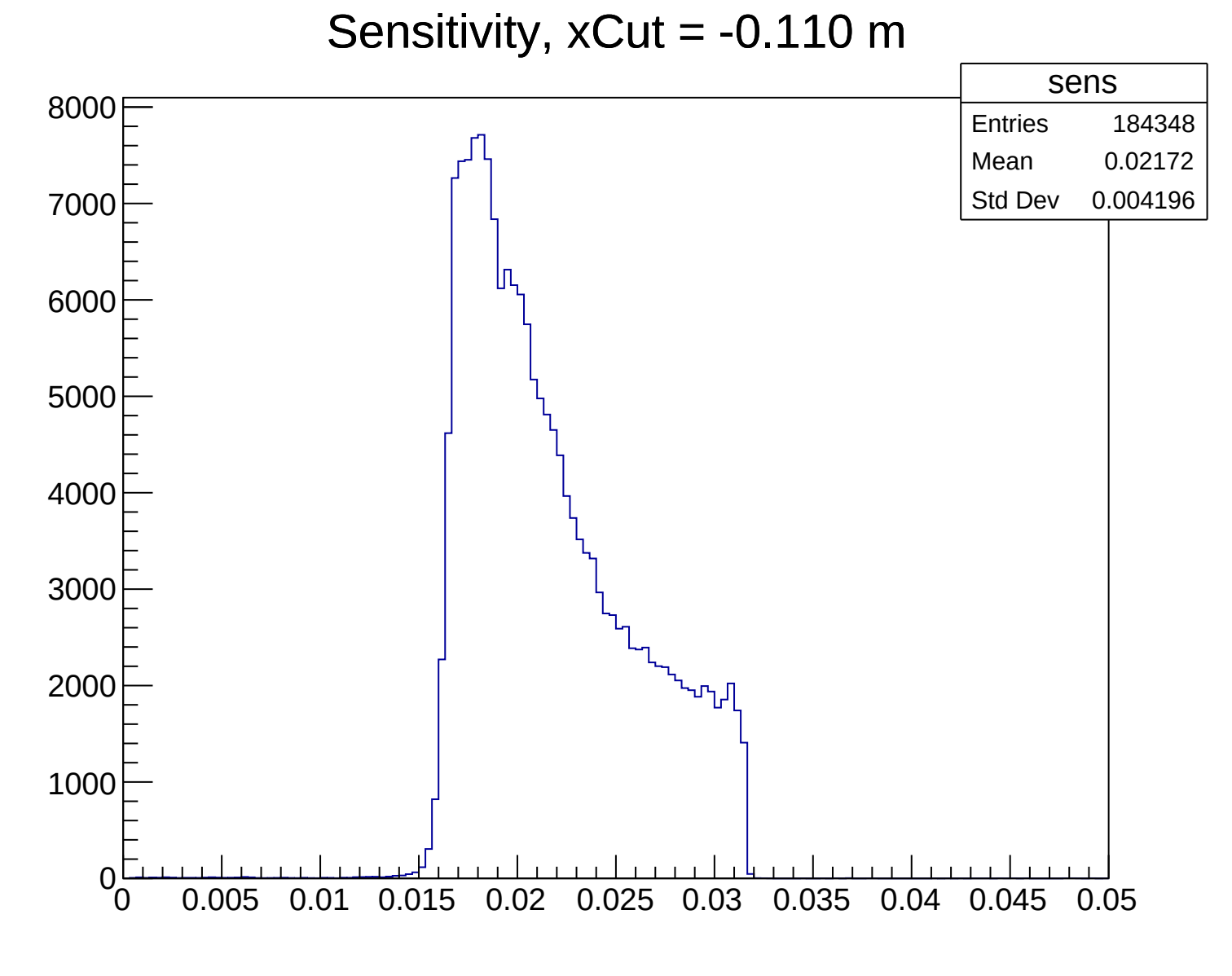

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

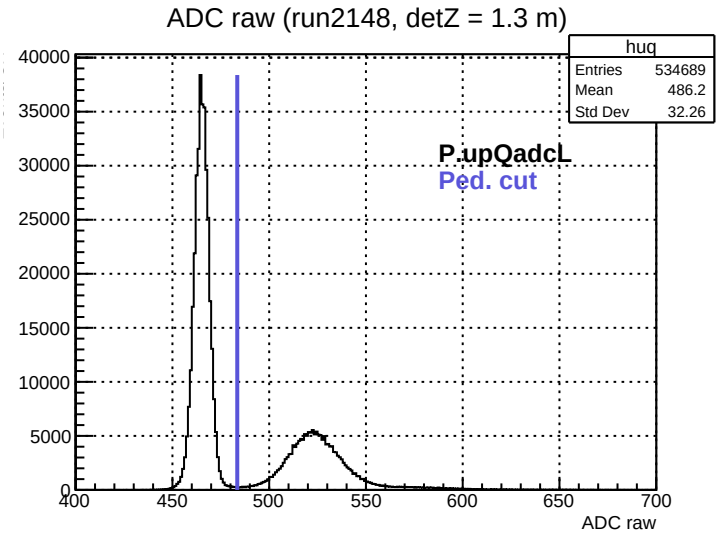

θlab (deg), xCut = -0.110 m
Theta
Entries 184348
Mean 4.734
Std Dev 0.4889
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

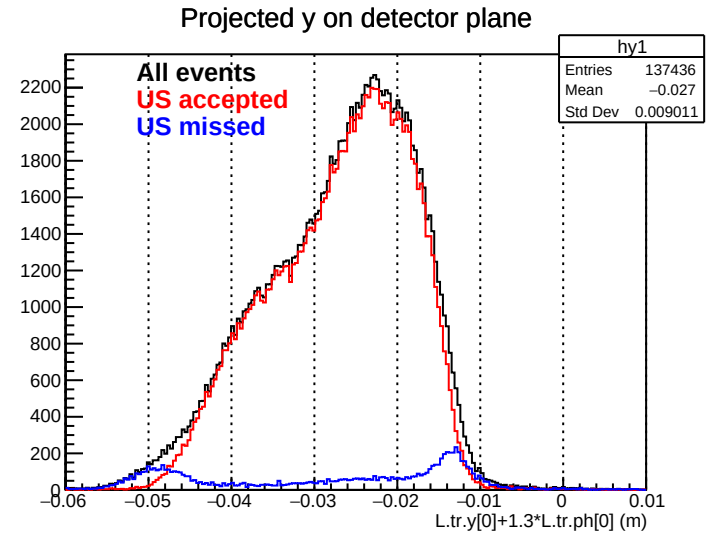

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 184348
Mean 0.5597
Std Dev 0.0872
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

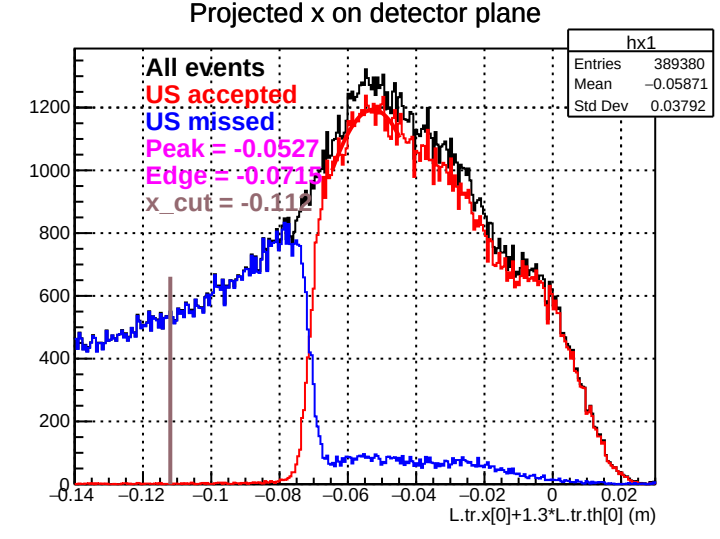

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 184348
Mean 0.5473
Std Dev 0.08322
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

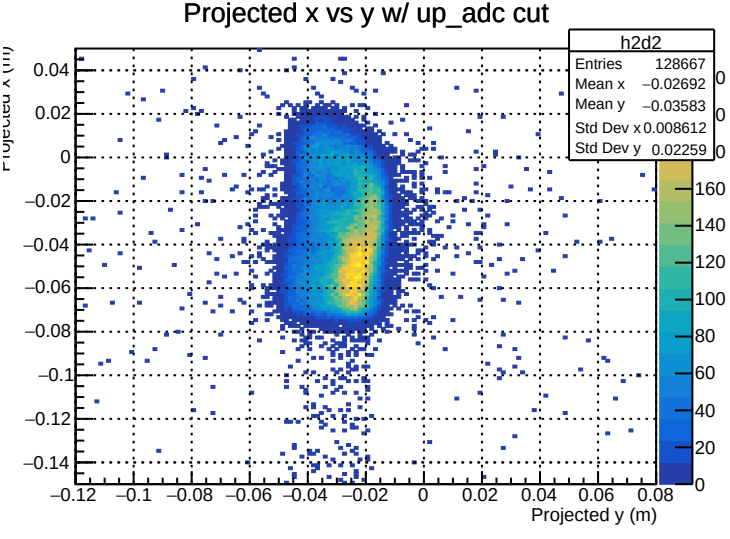

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 184348
Mean 0.006191
Std Dev 0.001316
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

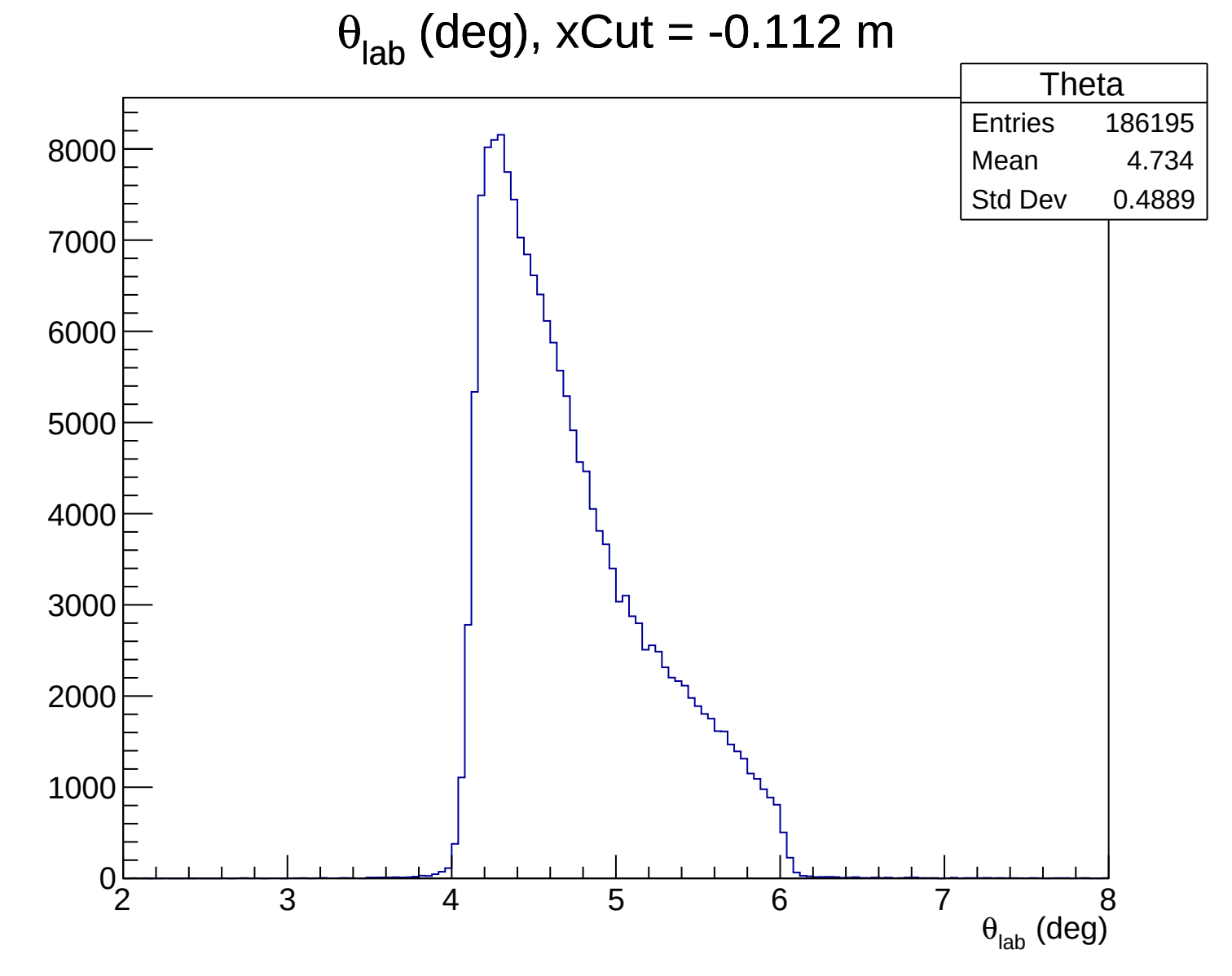

Sensitivity, xCut = -0.110 m
sens
Entries 184348
Mean 0.02172
Std Dev 0.004196
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

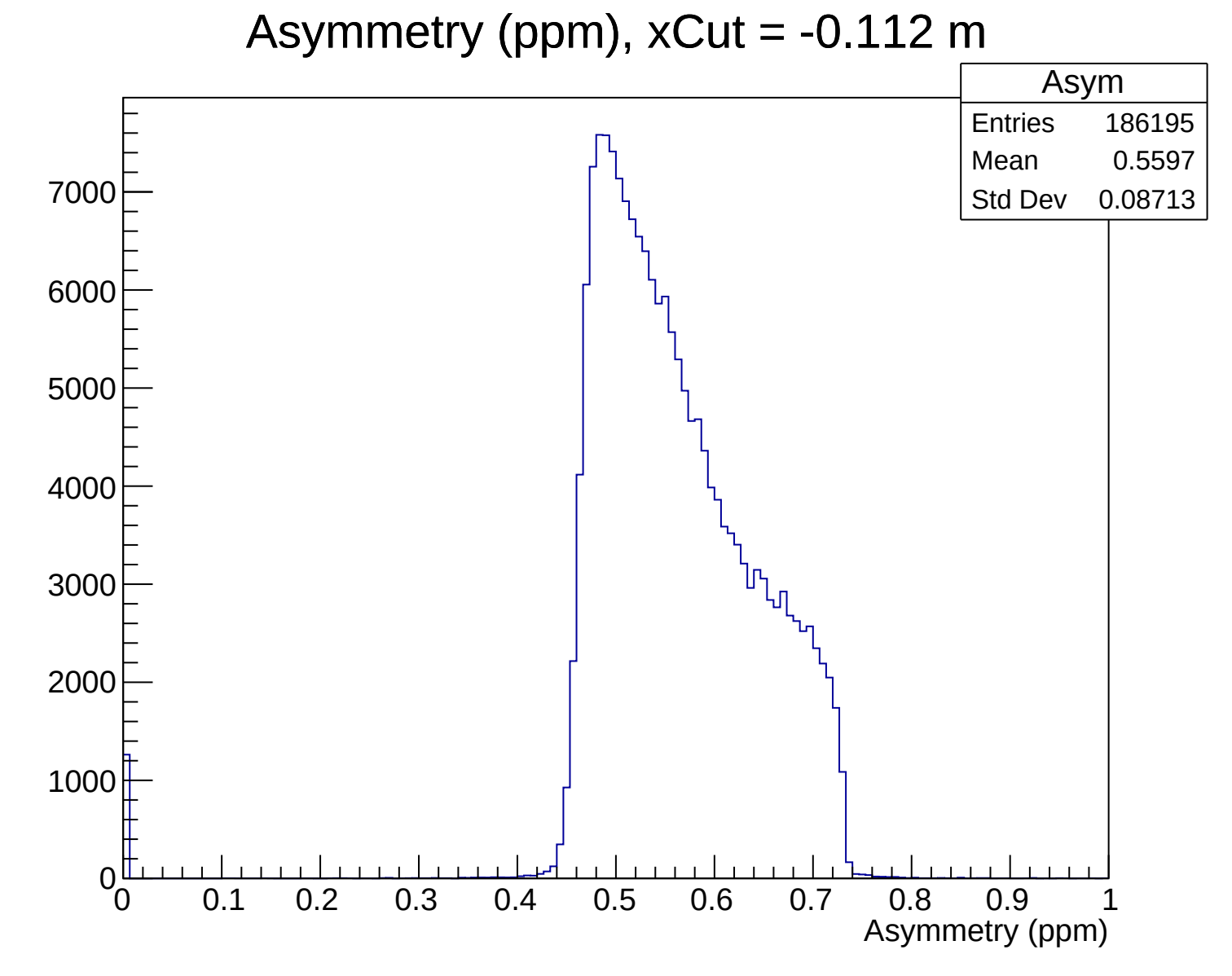

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

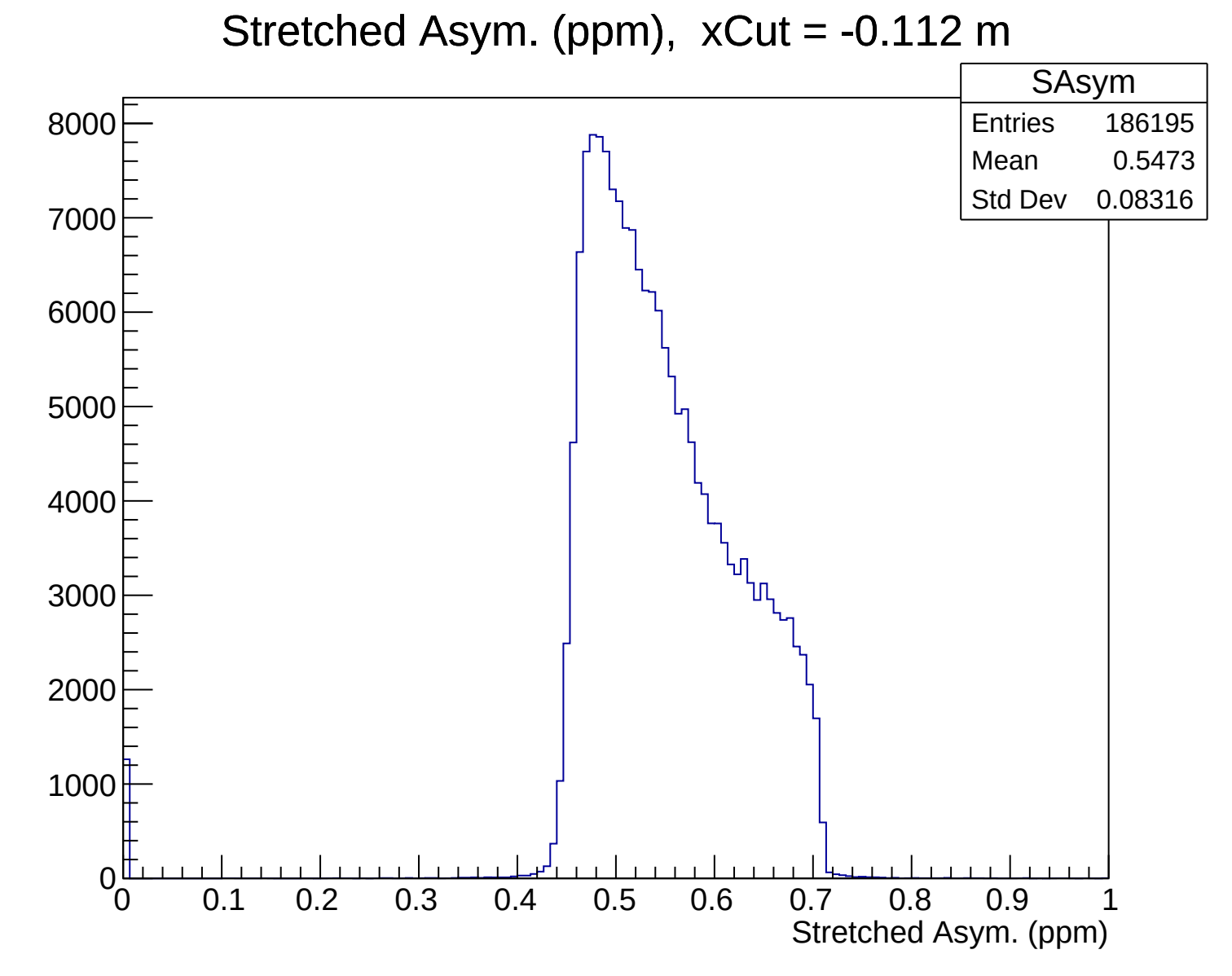

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

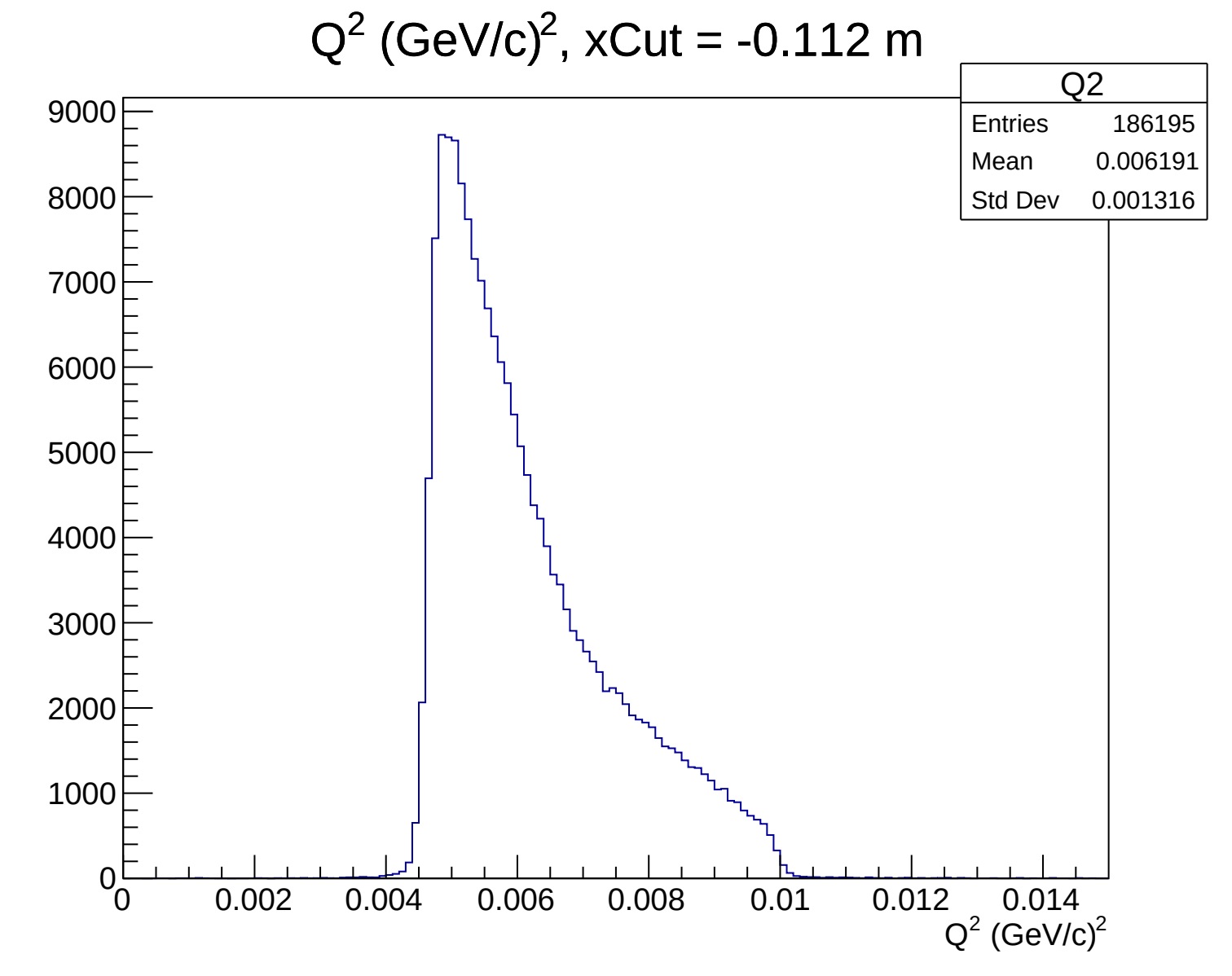

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.112
L.tr.x[0]+1.3*L.tr.th[0] (m)

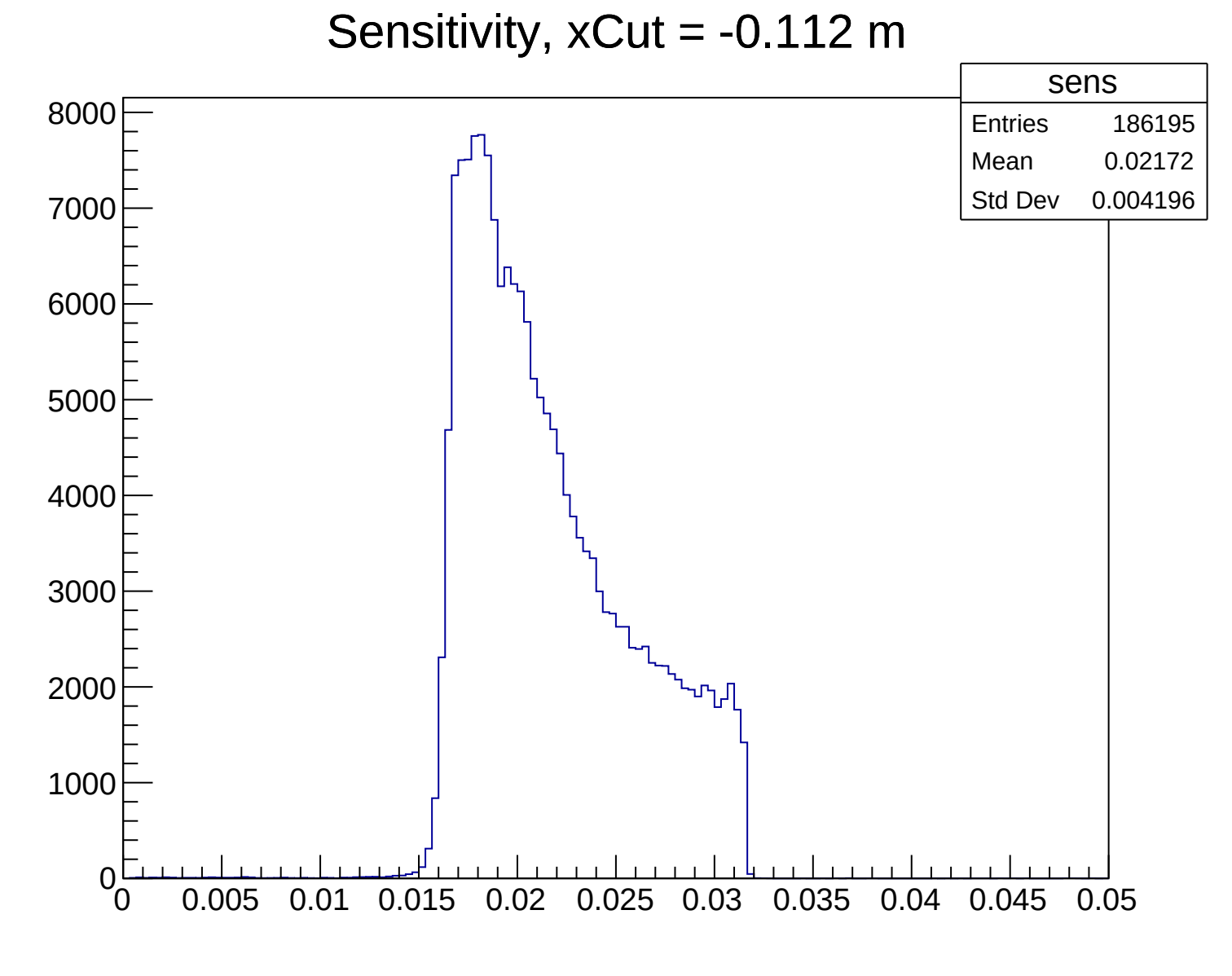

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)

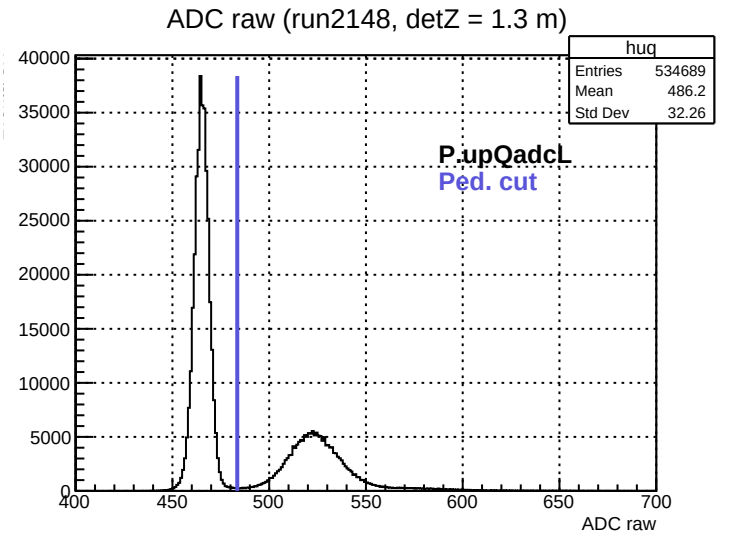

θlab (deg), xCut = -0.112 m
Theta
Entries 186195
Mean 4.734
Std Dev 0.4889
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

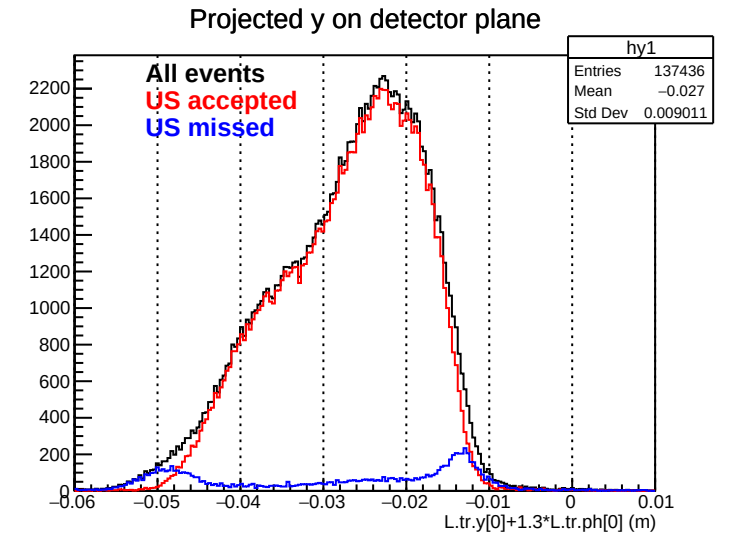

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 186195
Mean 0.5597
Std Dev 0.08713
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

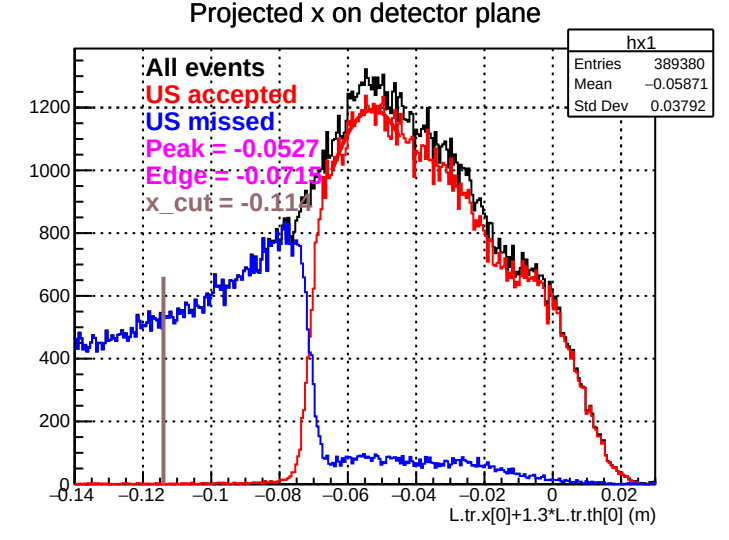

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 186195
Mean 0.5473
Std Dev 0.08316
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

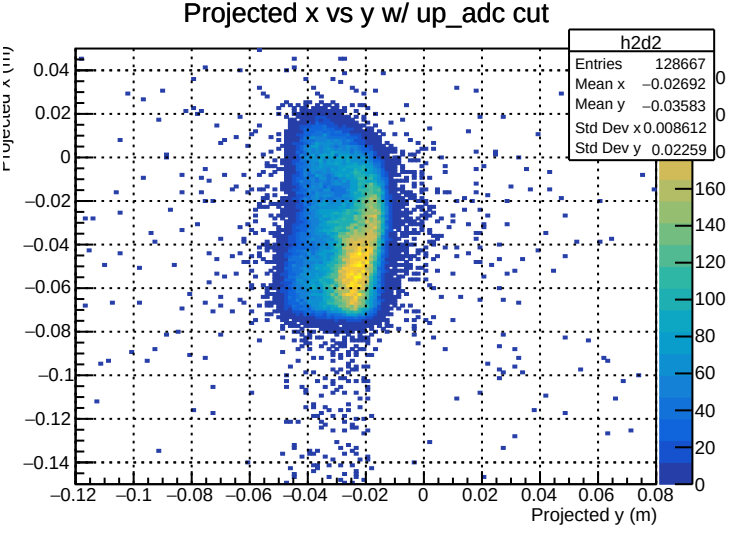

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 186195
Mean 0.006191
Std Dev 0.001316
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

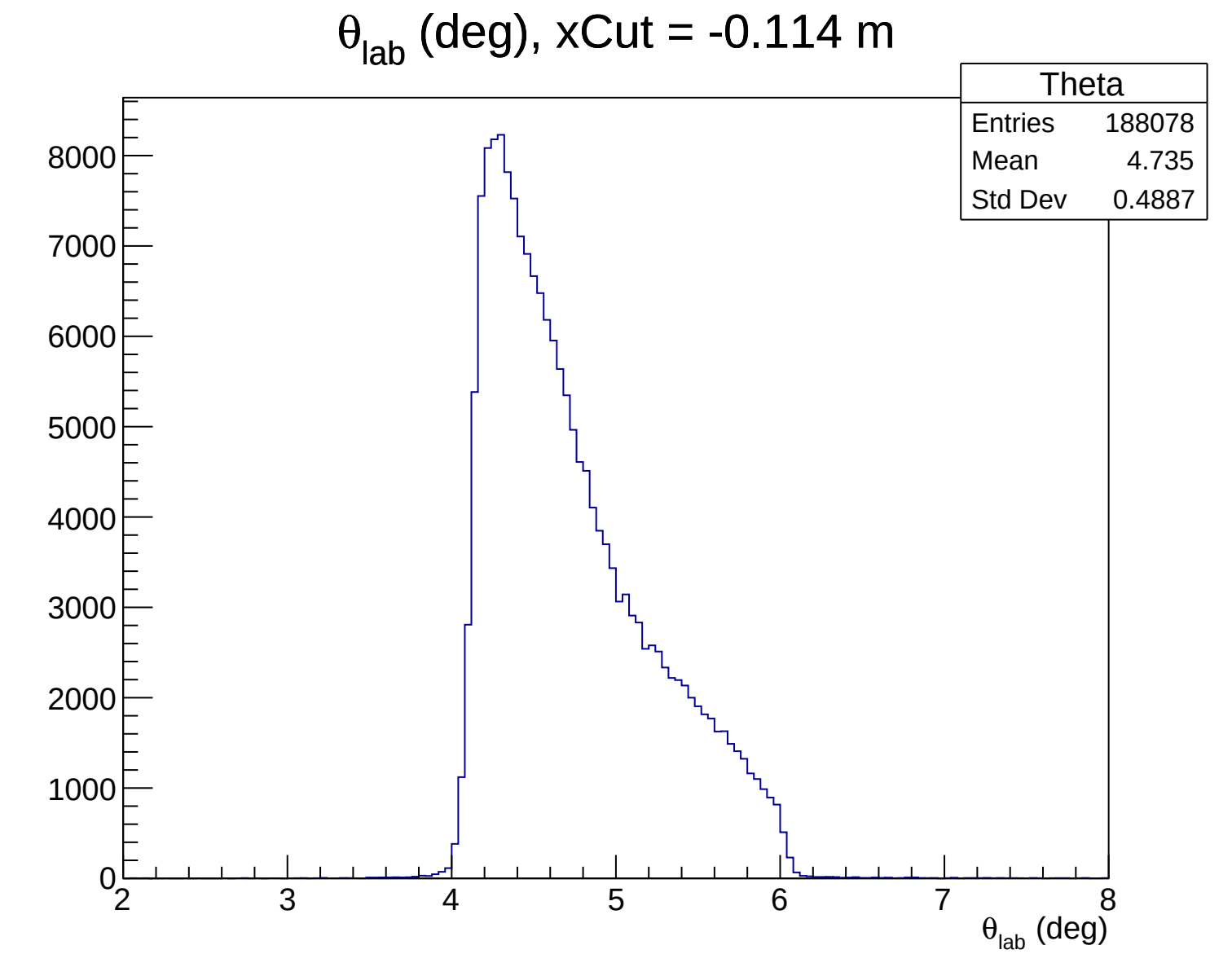

Sensitivity, xCut = -0.112 m
sens
Entries 186195
Mean 0.02172
Std Dev 0.004196
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

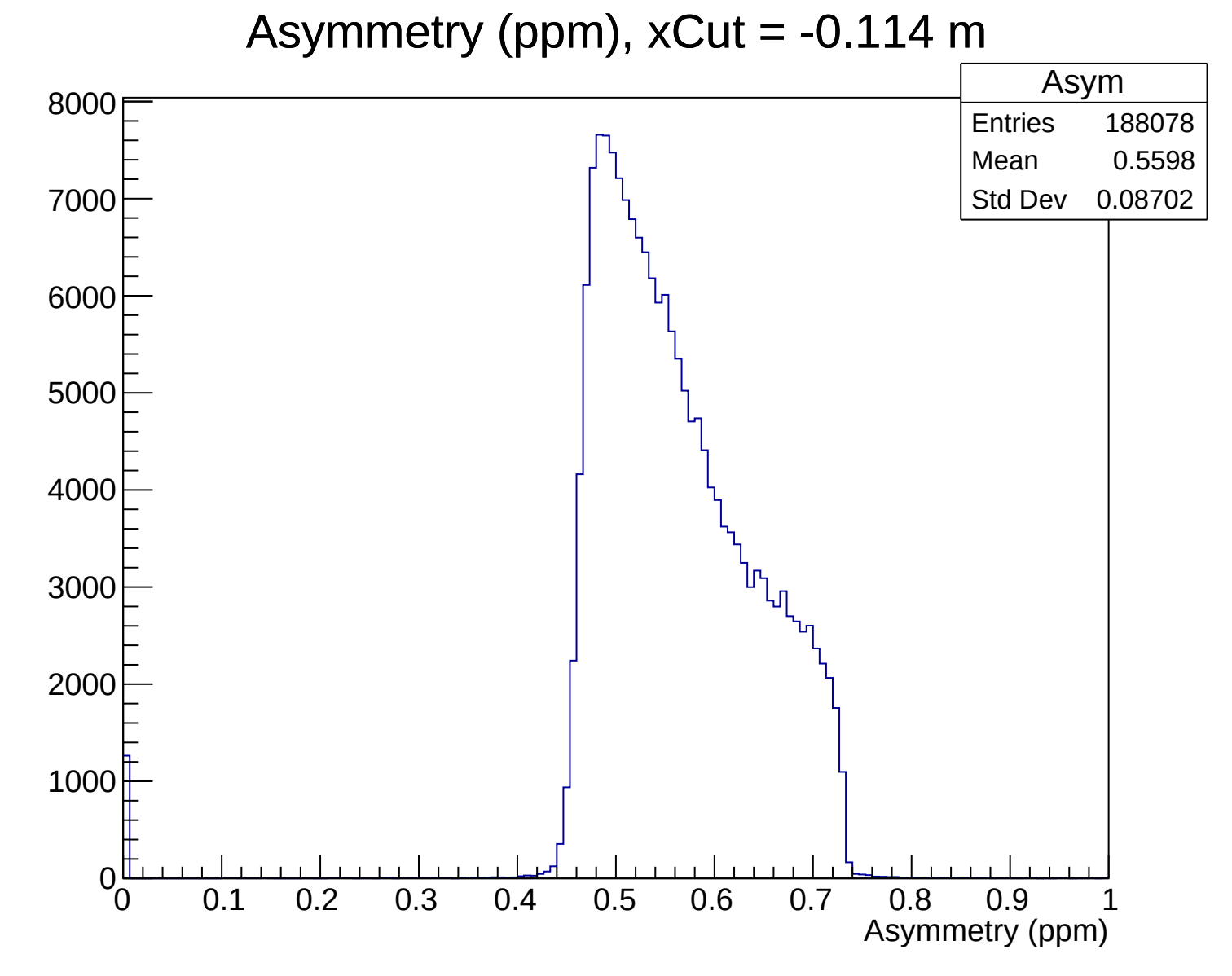

ADC raw (run2148, detZ = 1.3 m)
huq
Entries 534689
Mean 486.2
Std Dev 32.26
P.upQadcL
Ped. cut
ADC raw

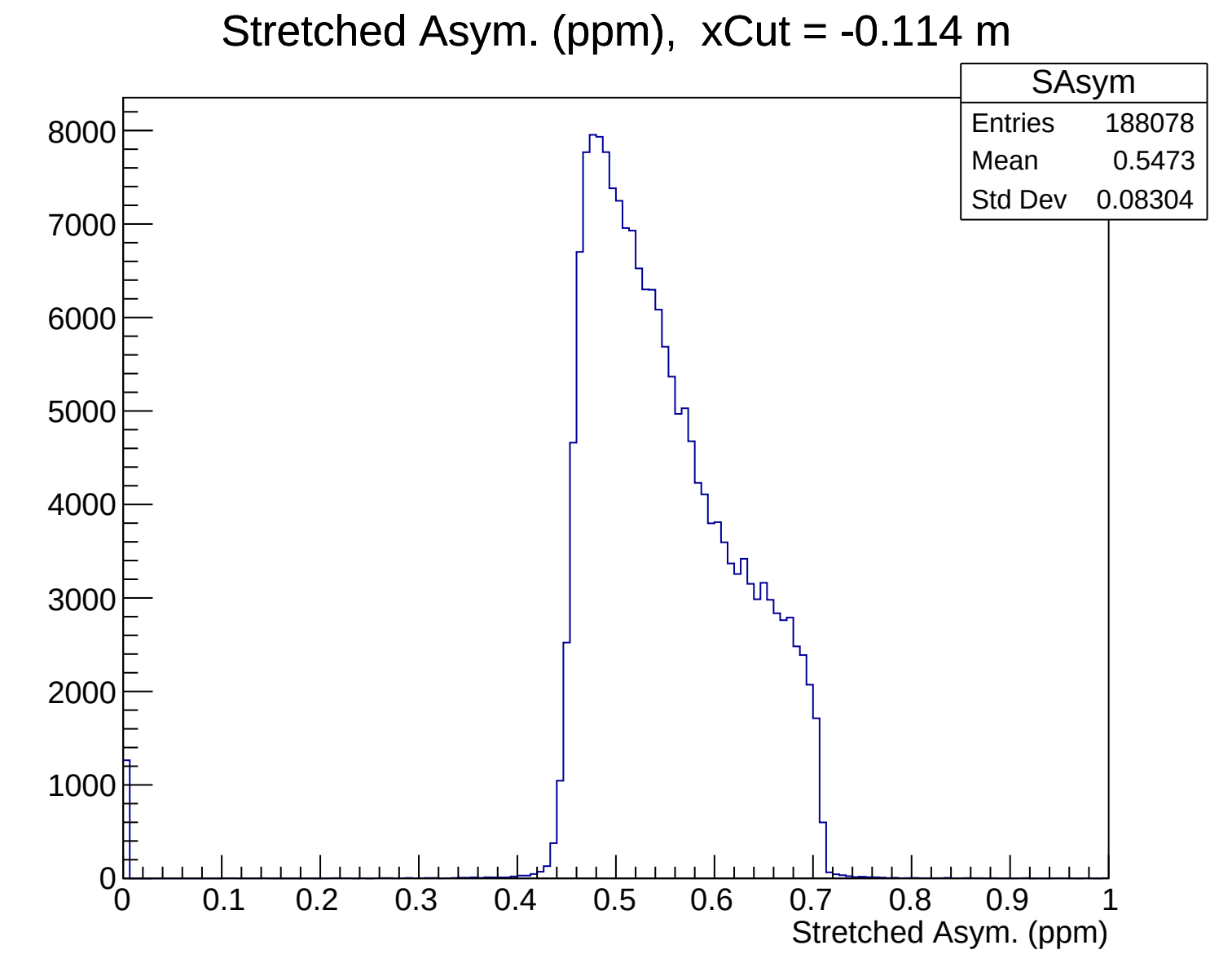

Projected y on detector plane
hy1
Entries 137436
Mean −0.027
Std Dev 0.009011
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

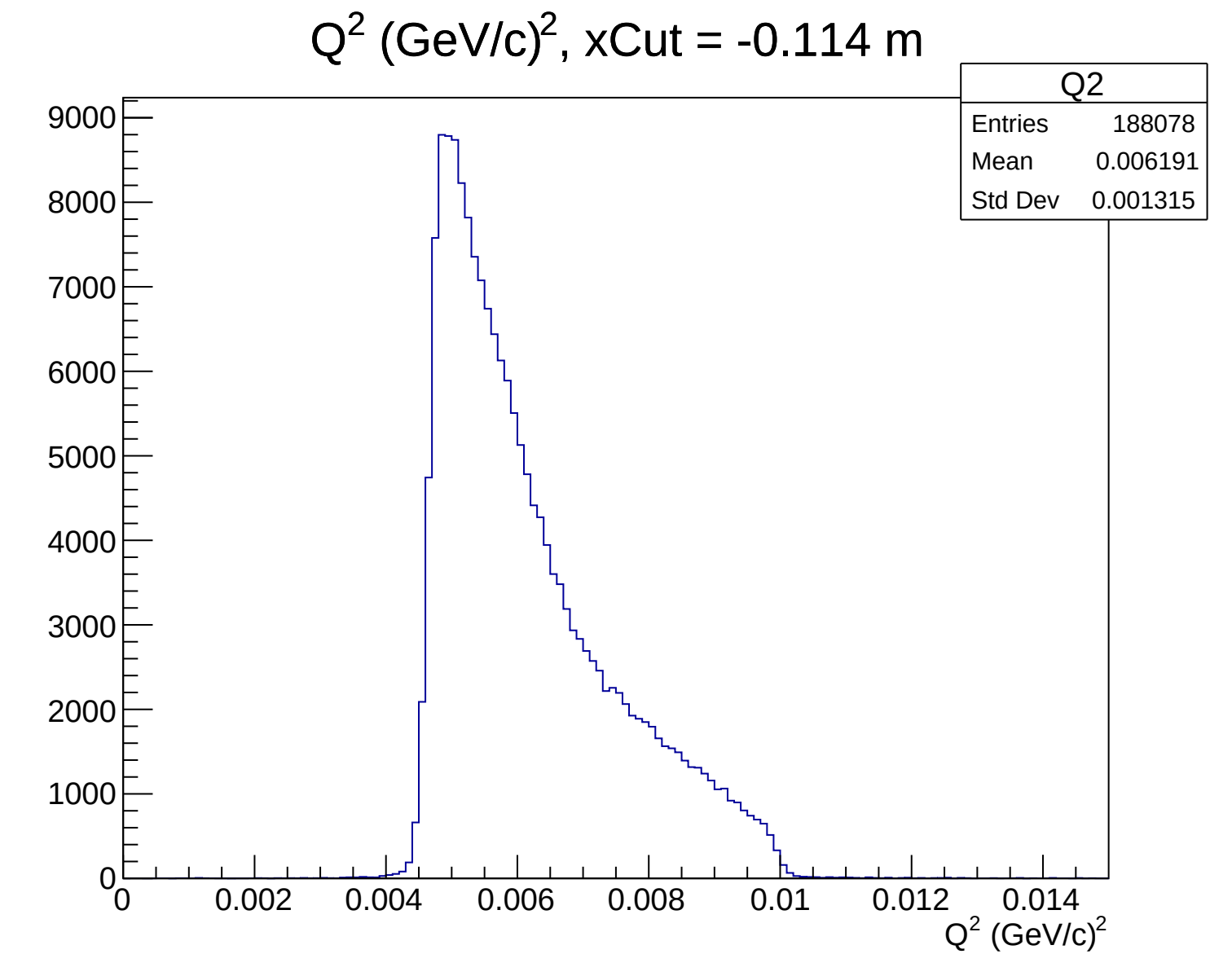

Projected x on detector plane
hx1
Entries 389380
Mean −0.05871
Std Dev 0.03792
All events
US accepted
US missed
Peak = -0.0527
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

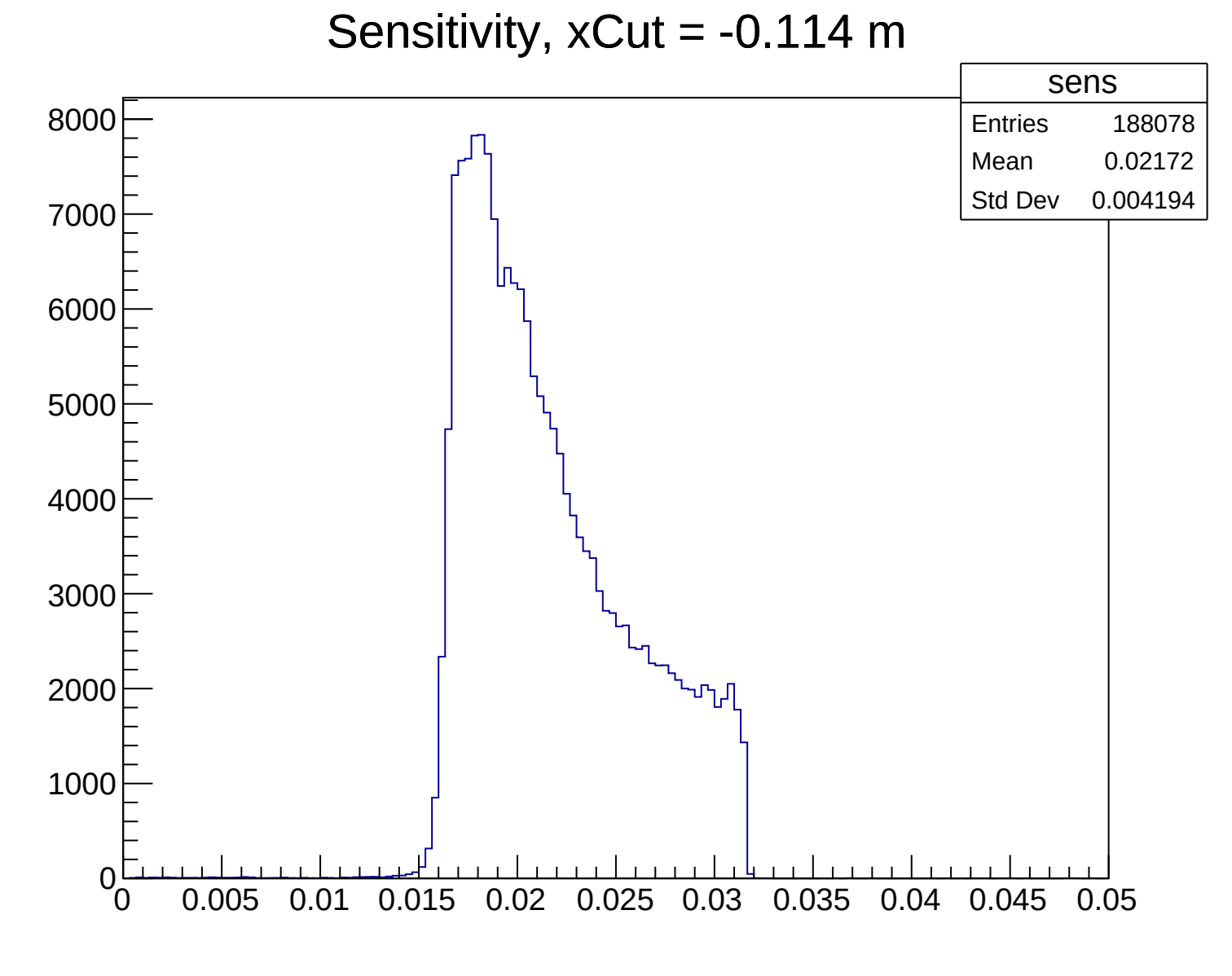

Projected x vs y w/ up_adc cut
h2d2
Entries 128667
Mean x −0.02692
Mean y −0.03583
Std Dev x 0.008612
Std Dev y 0.02259
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 188078
Mean 4.735
Std Dev 0.4887
8000
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 188078
Mean 0.5598
Std Dev 0.08702
8000
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 188078
Mean 0.5473
Std Dev 0.08304
8000
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 188078
Mean 0.006191
Std Dev 0.001315
9000
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 188078
Mean 0.02172
Std Dev 0.004194
8000
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