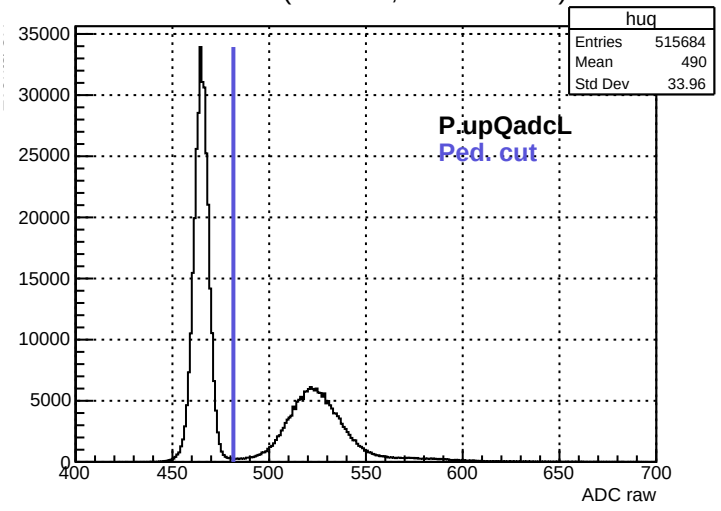
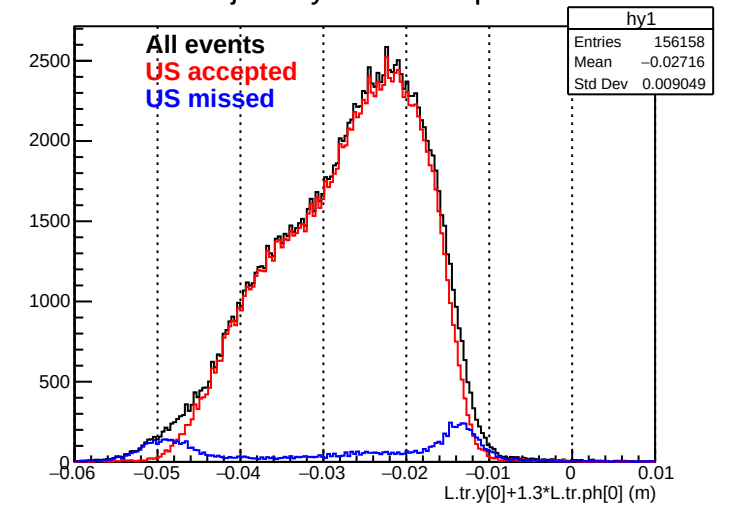
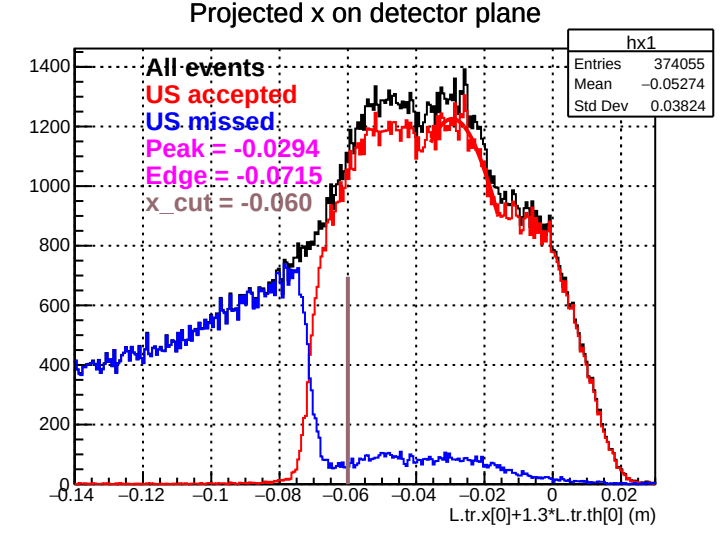
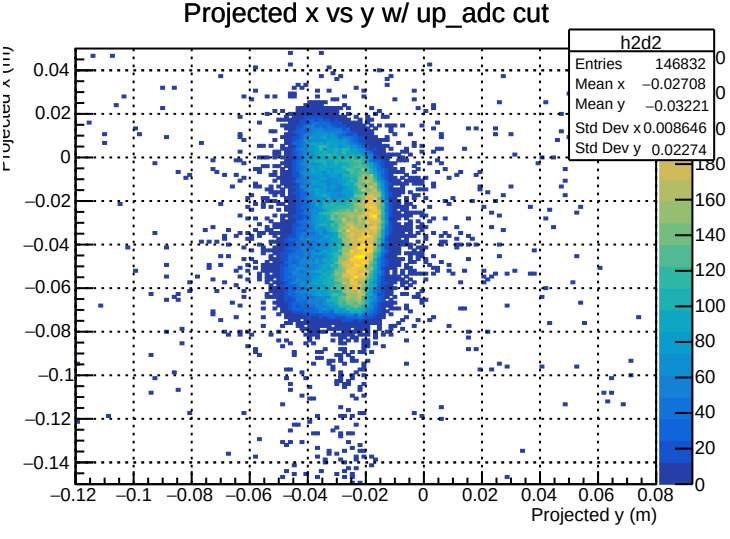
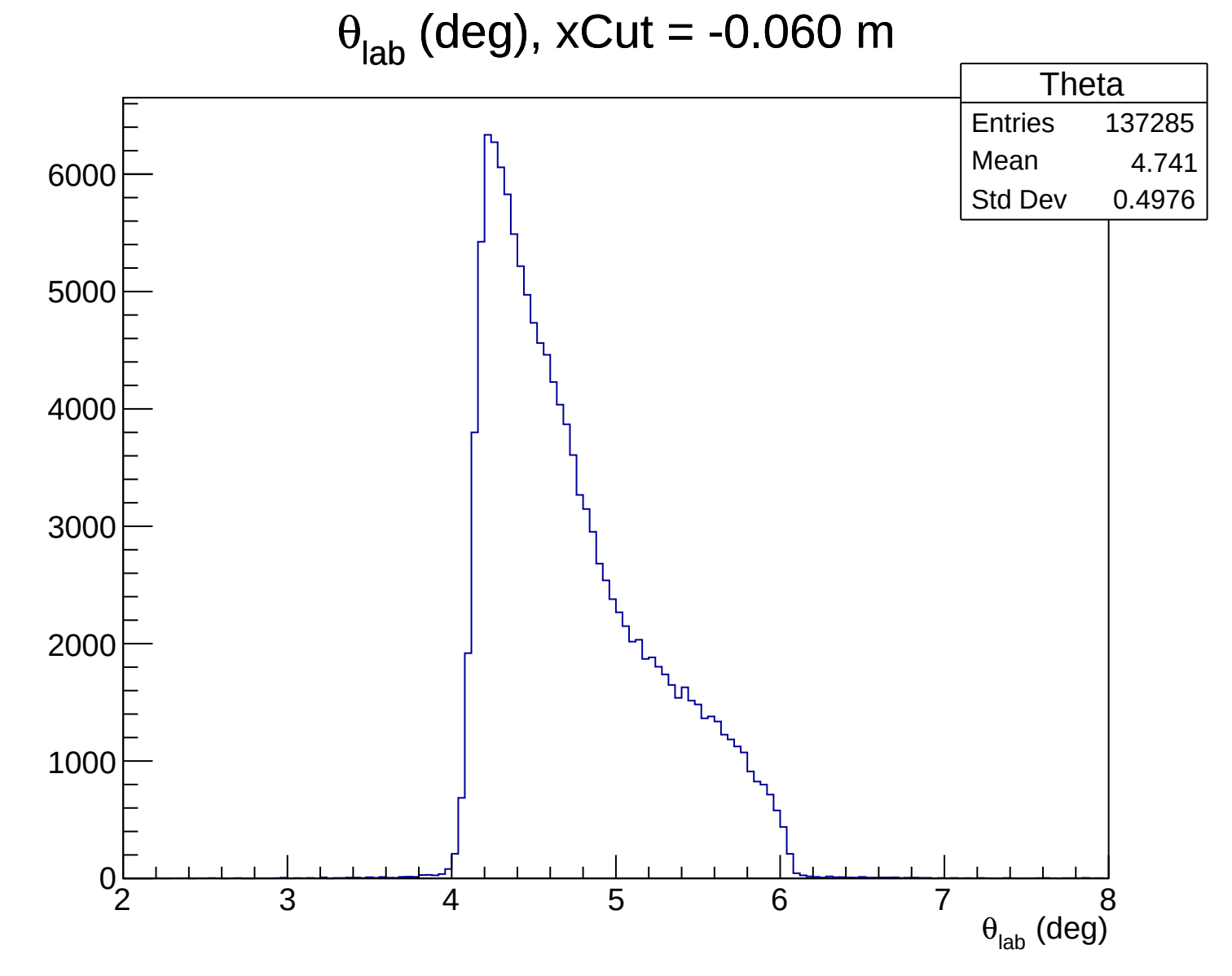
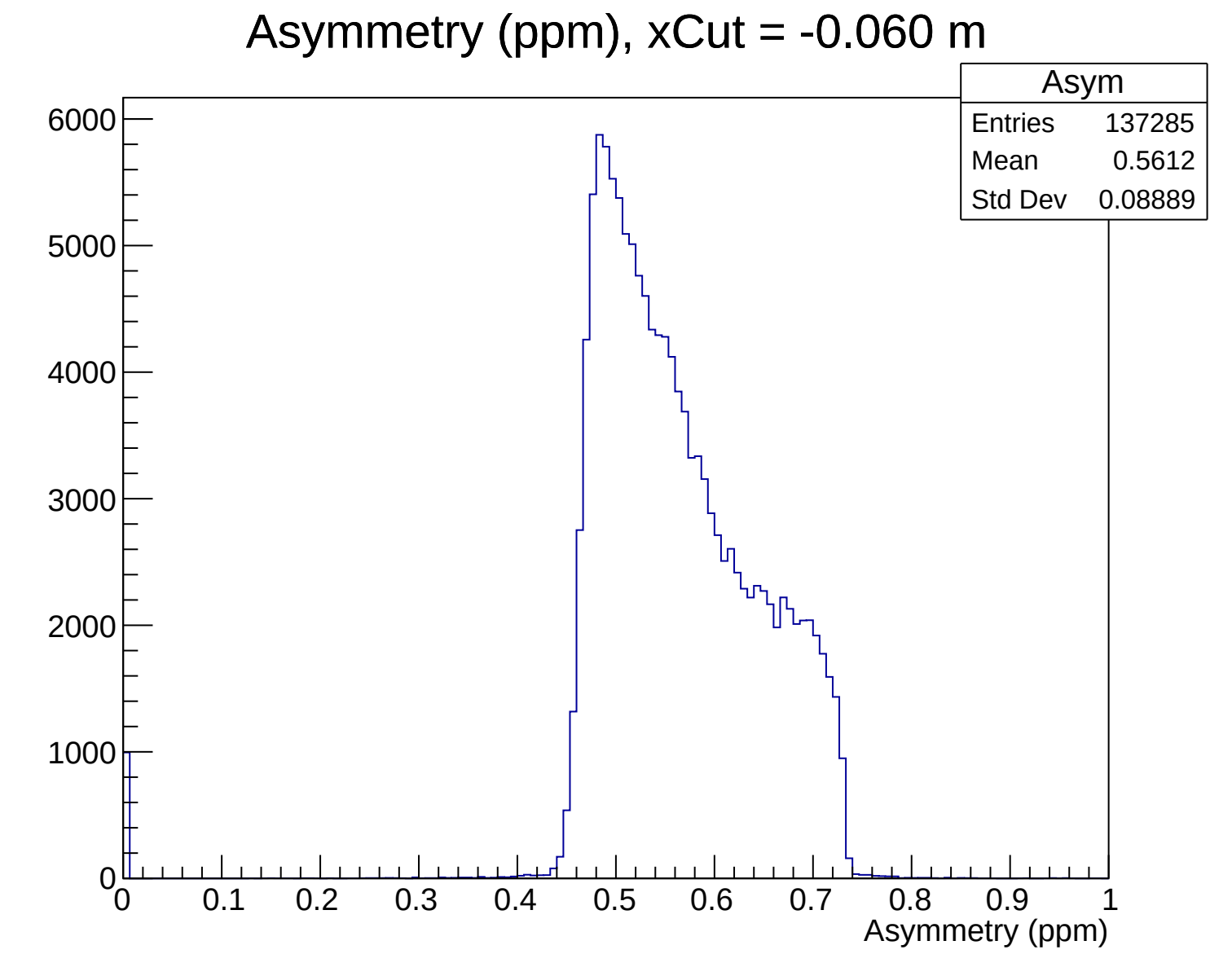

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

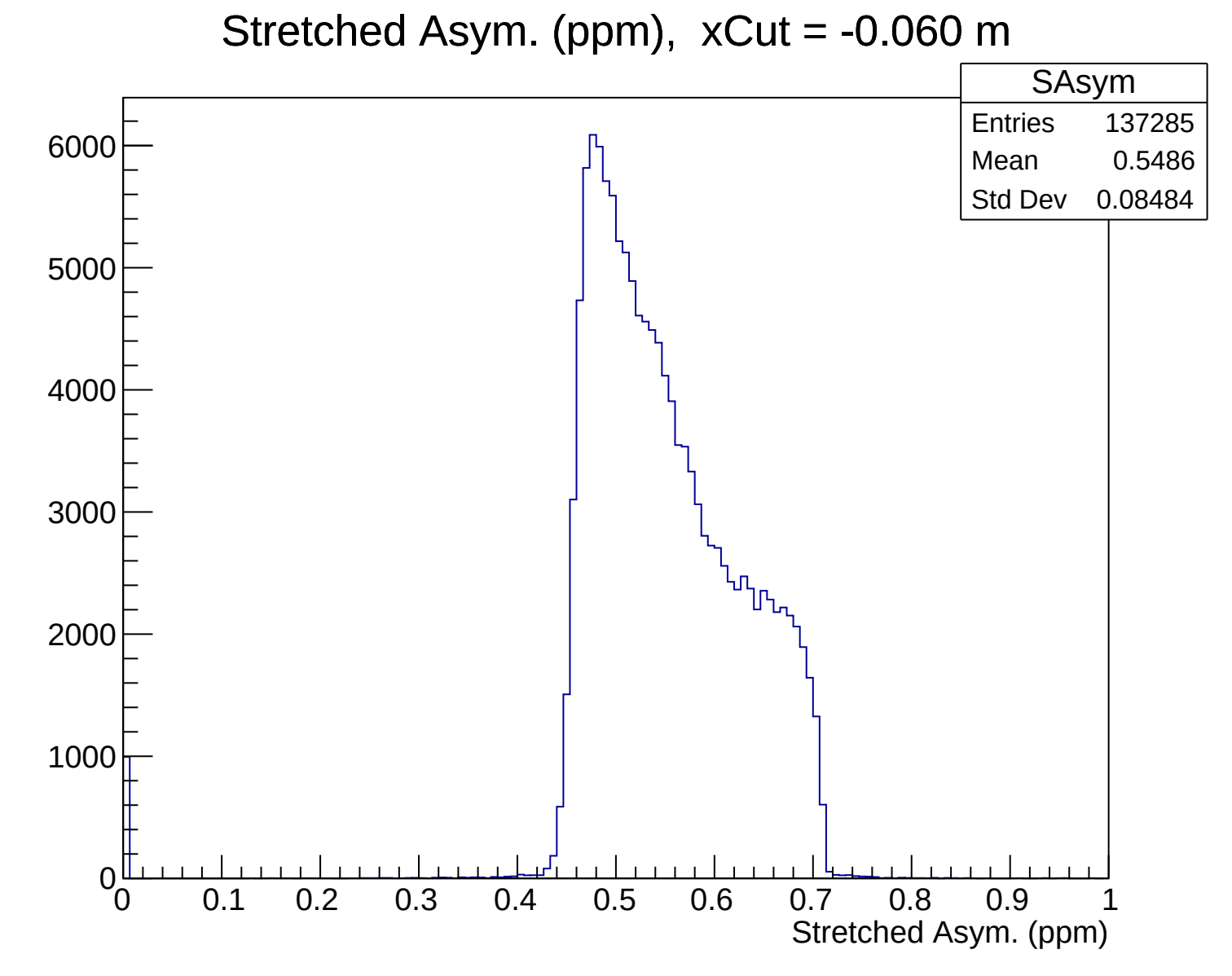

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

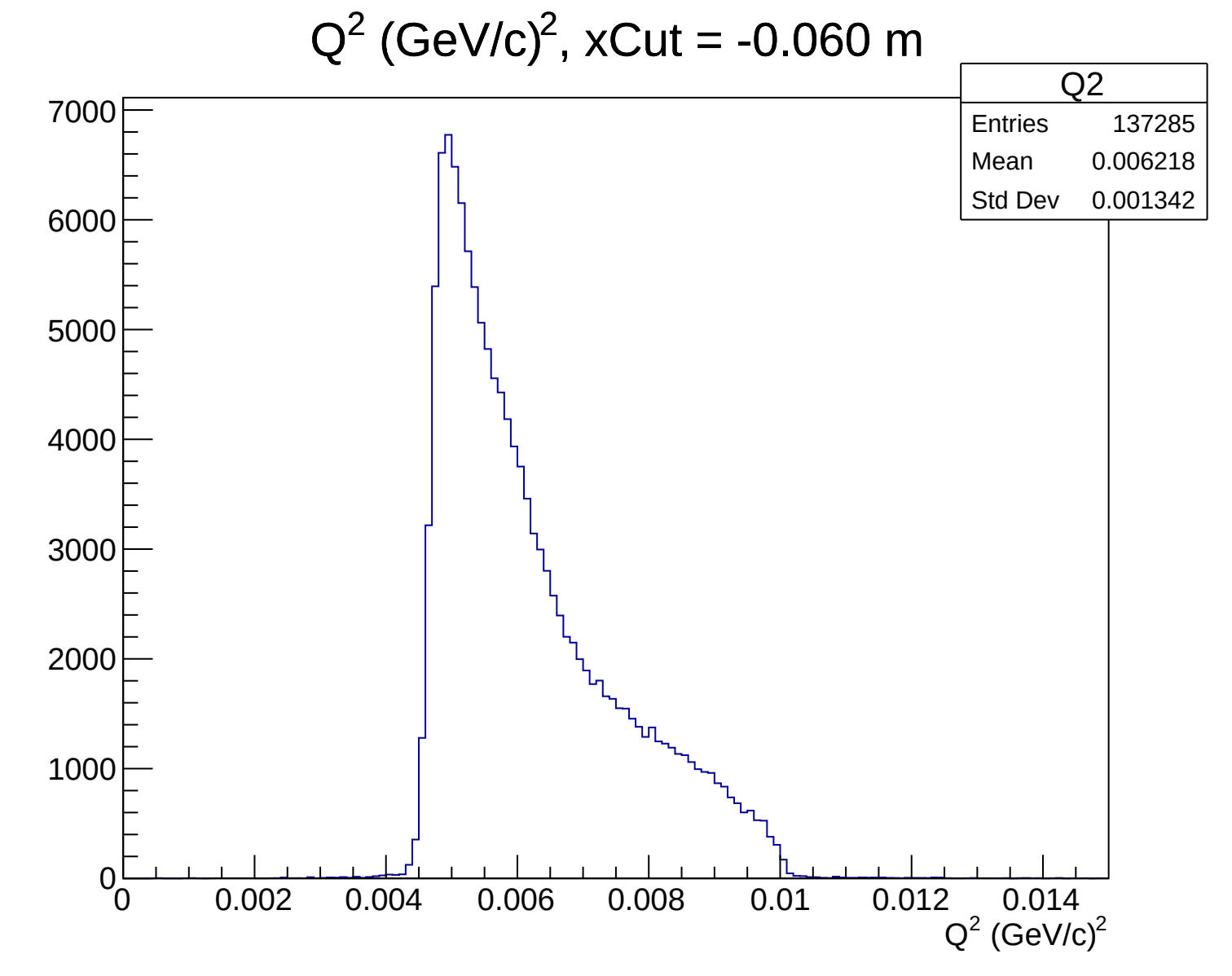

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

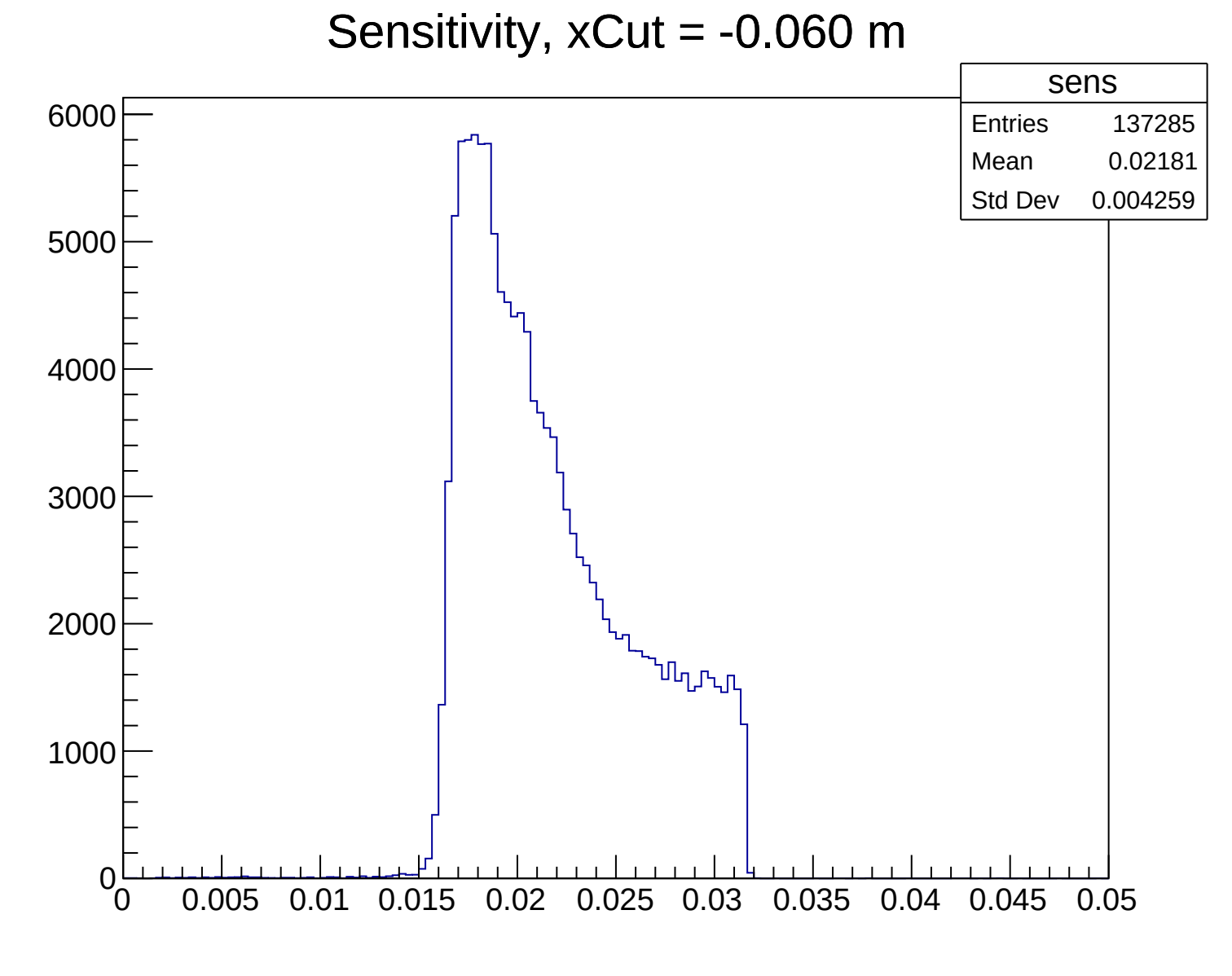

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

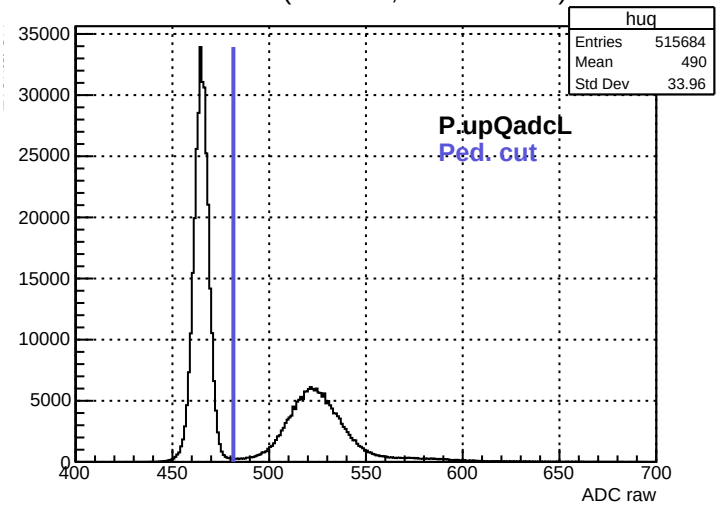

θlab (deg), xCut = -0.060 m
Theta
Entries 137285
Mean 4.741
Std Dev 0.4976
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

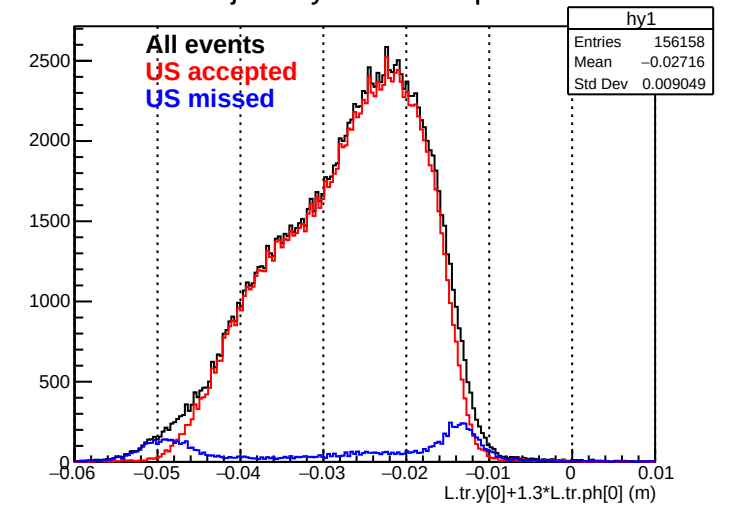

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 137285
Mean 0.5612
Std Dev 0.08889
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

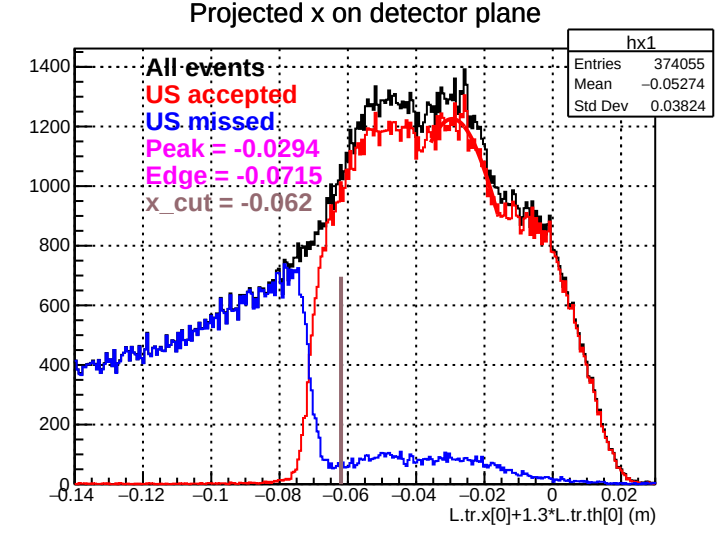

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 137285
Mean 0.5486
Std Dev 0.08484
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

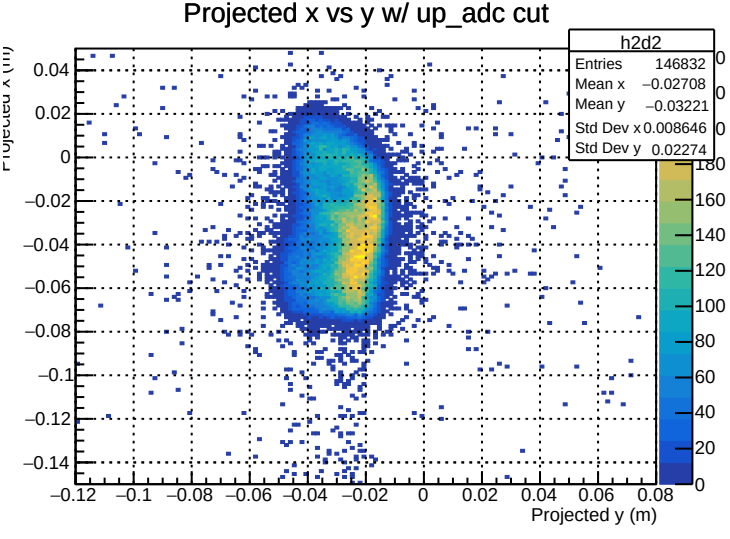

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 137285
Mean 0.006218
Std Dev 0.001342
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

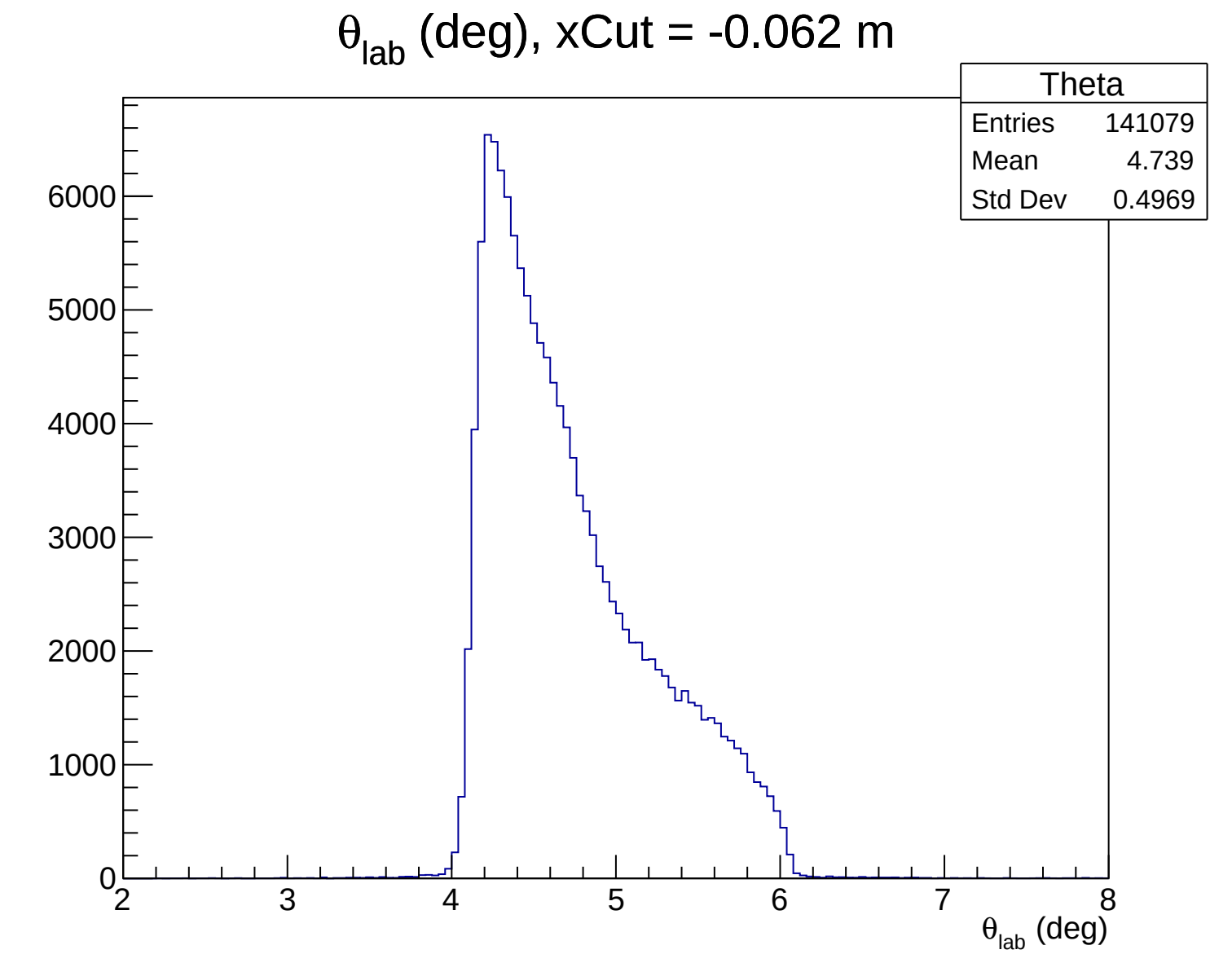

Sensitivity, xCut = -0.060 m
sens
Entries 137285
Mean 0.02181
Std Dev 0.004259
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

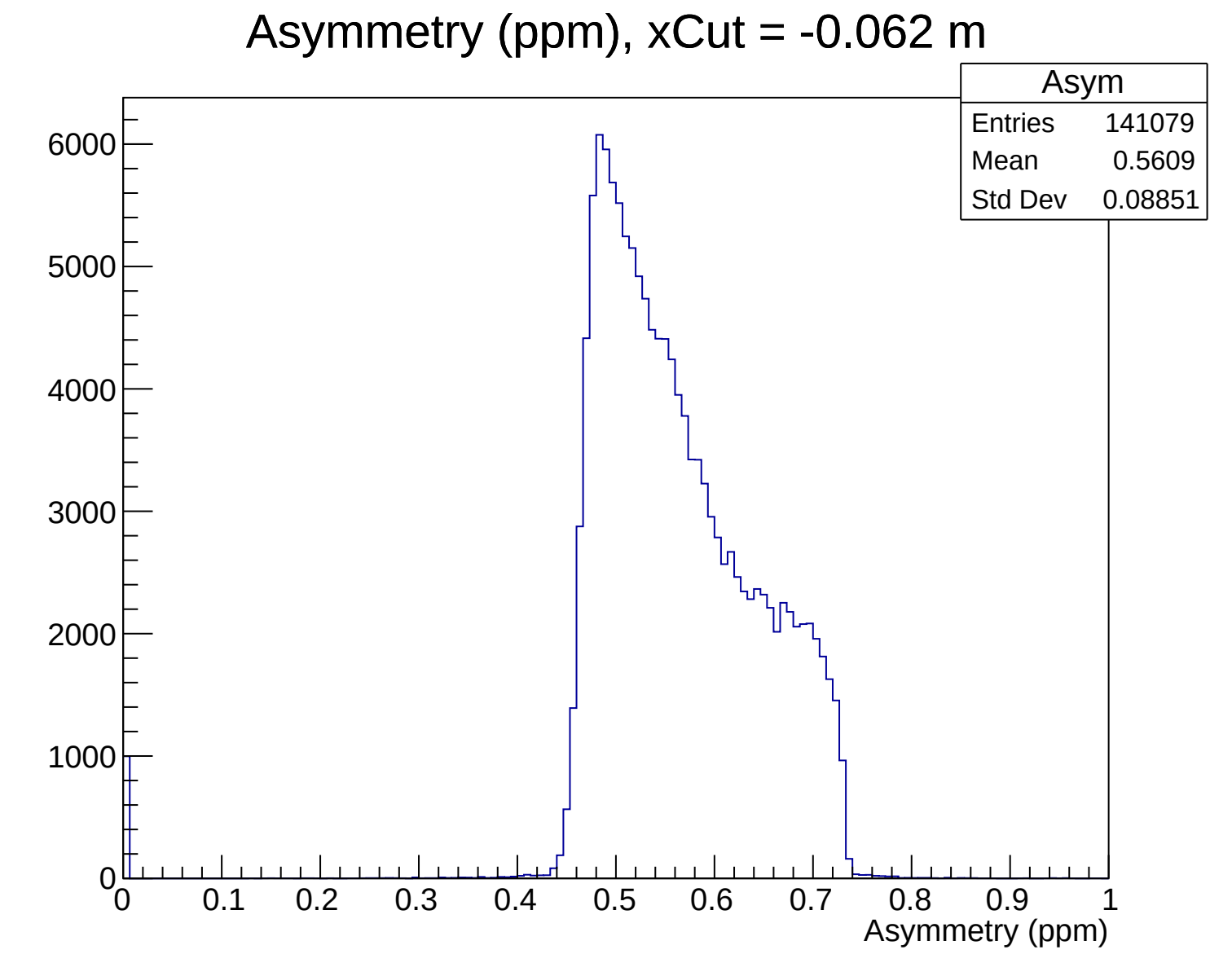

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

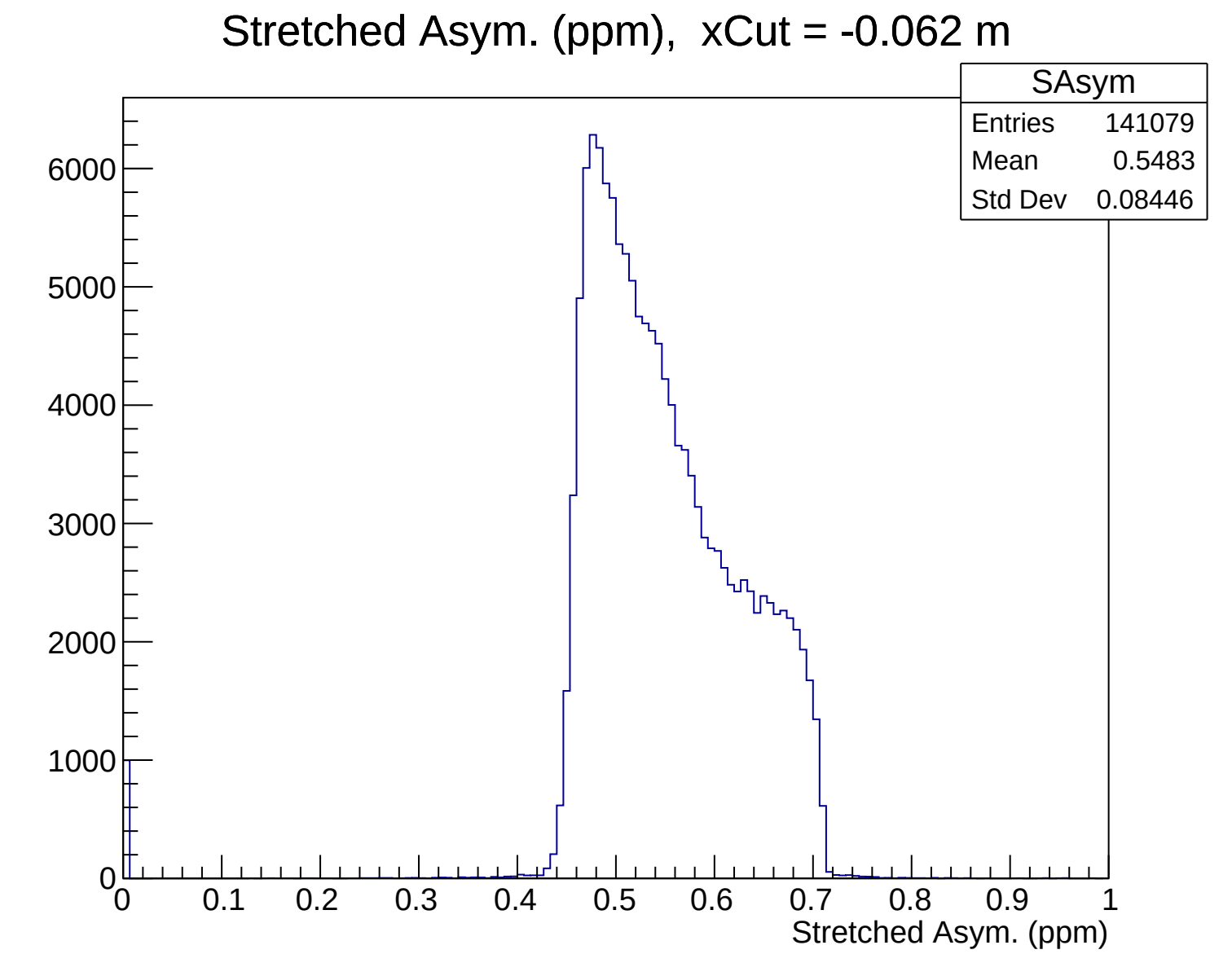

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

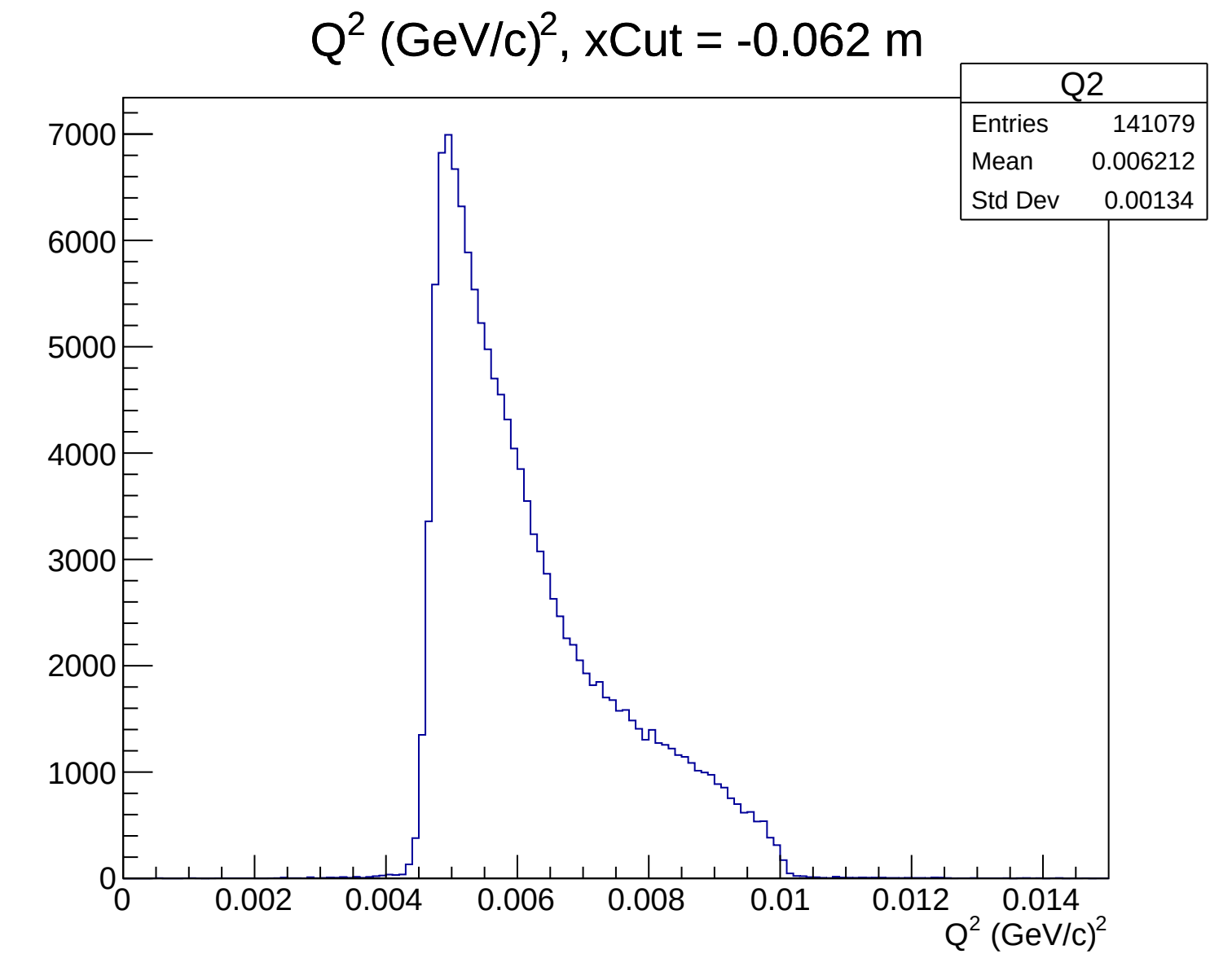

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

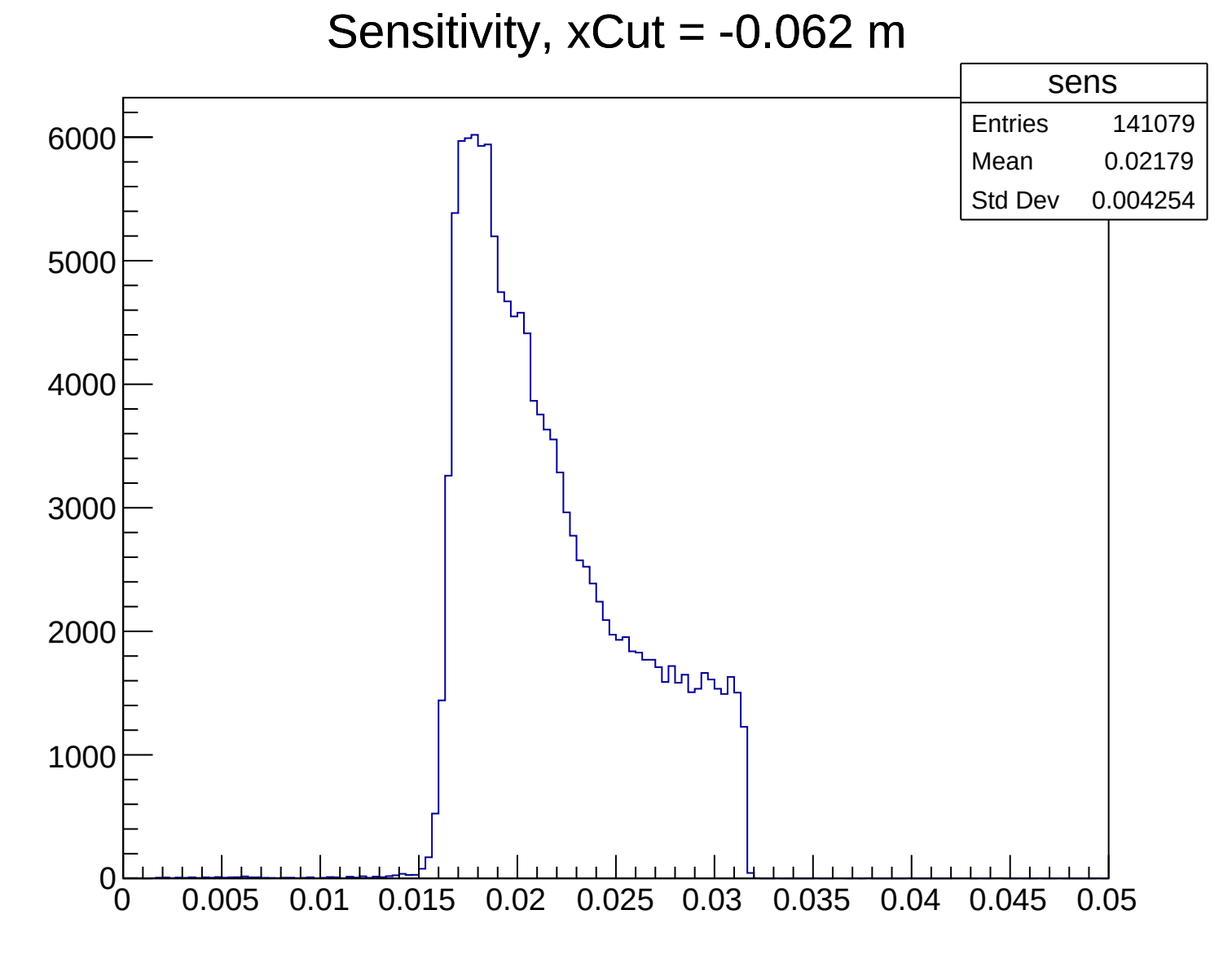

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

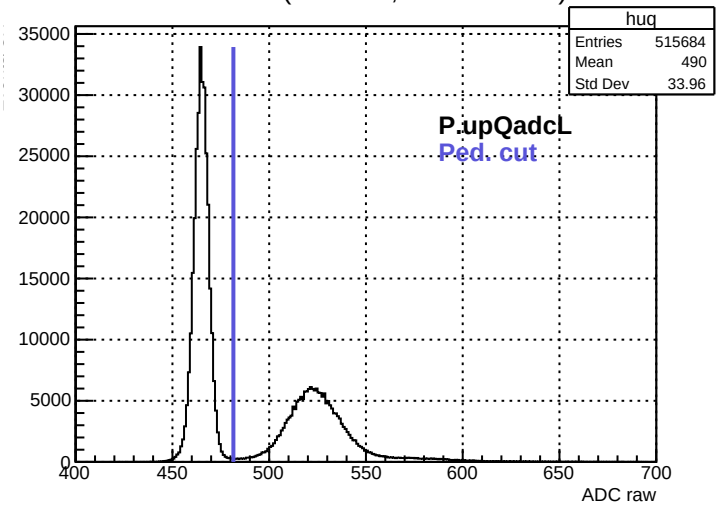

θlab (deg), xCut = -0.062 m
Theta
Entries 141079
Mean 4.739
Std Dev 0.4969
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

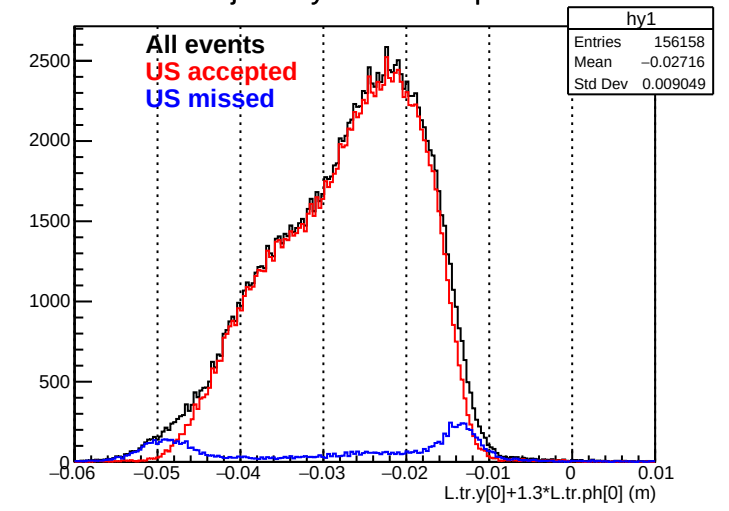

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 141079
Mean 0.5609
Std Dev 0.08851
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

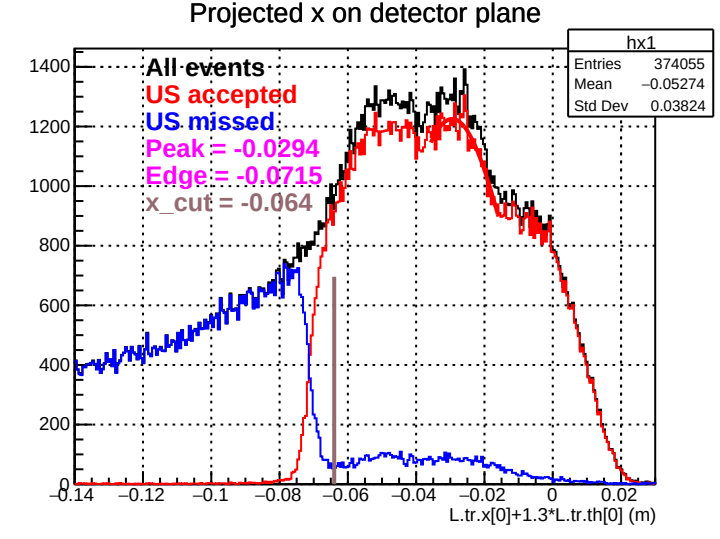

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 141079
Mean 0.5483
Std Dev 0.08446
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

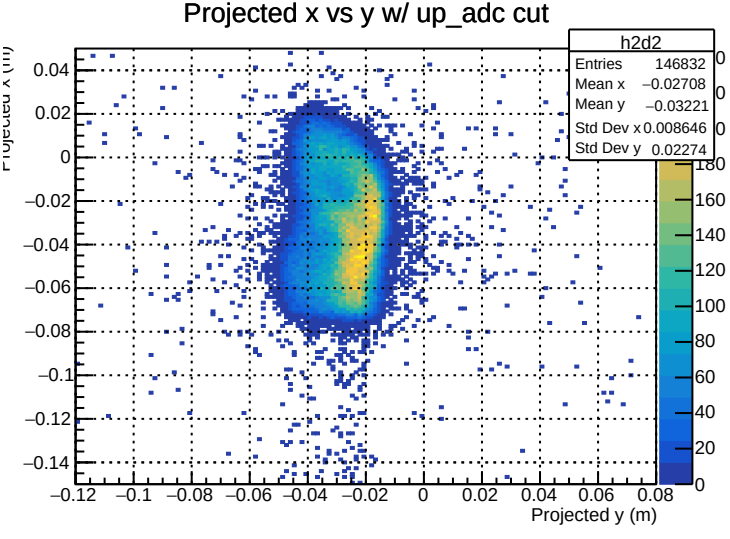

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 141079
Mean 0.006212
Std Dev 0.00134
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

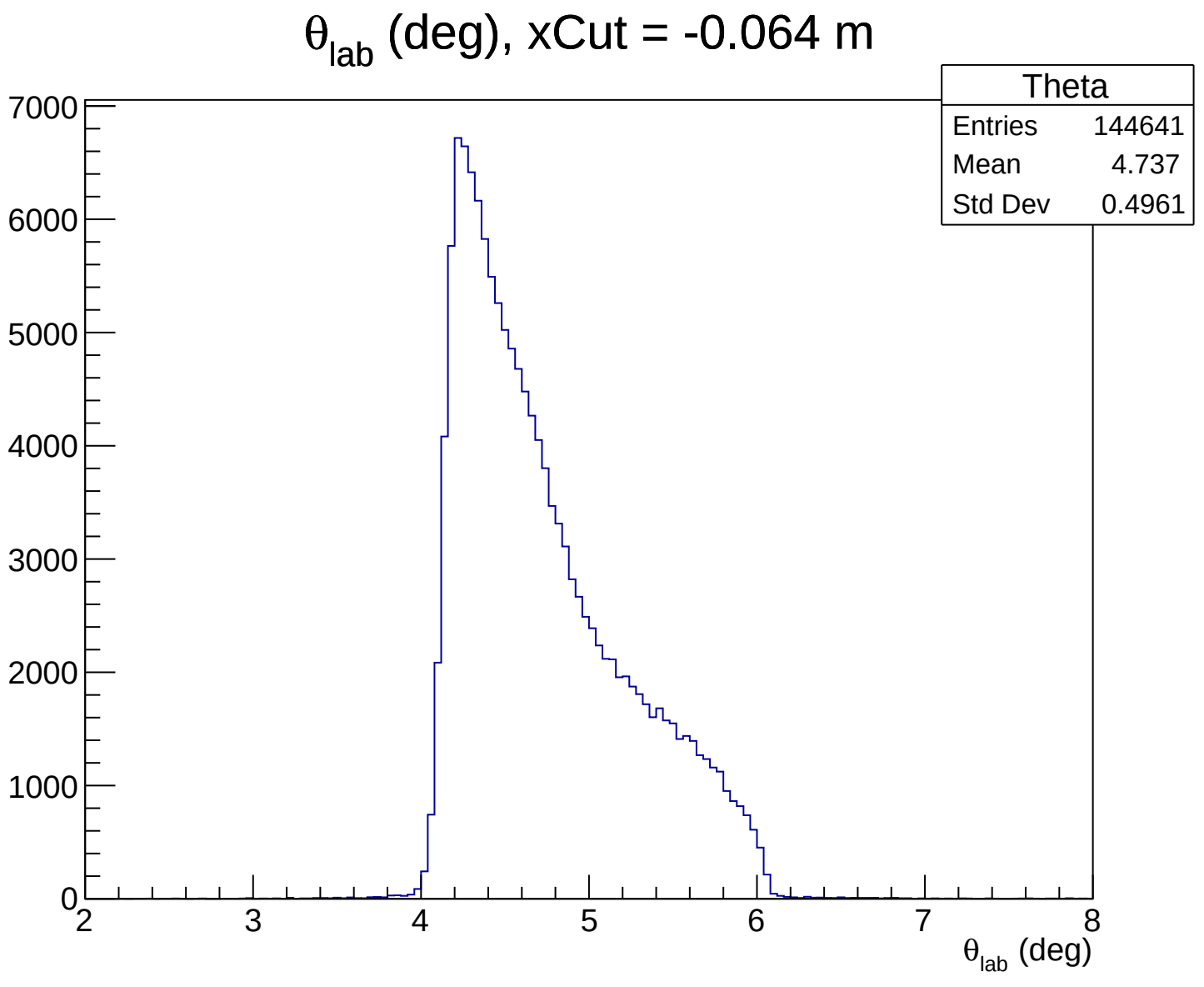

Sensitivity, xCut = -0.062 m
sens
Entries 141079
Mean 0.02179
Std Dev 0.004254
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

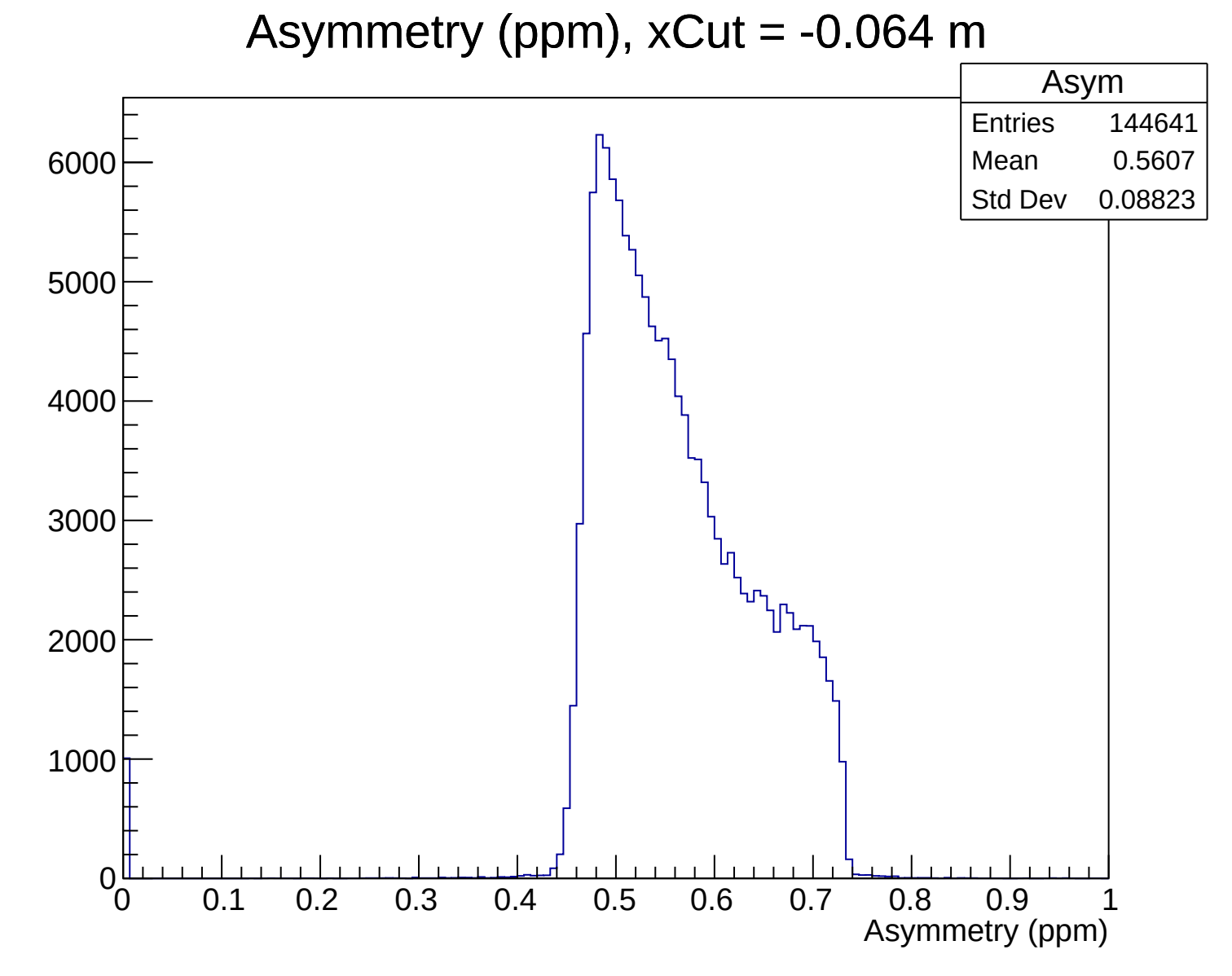

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

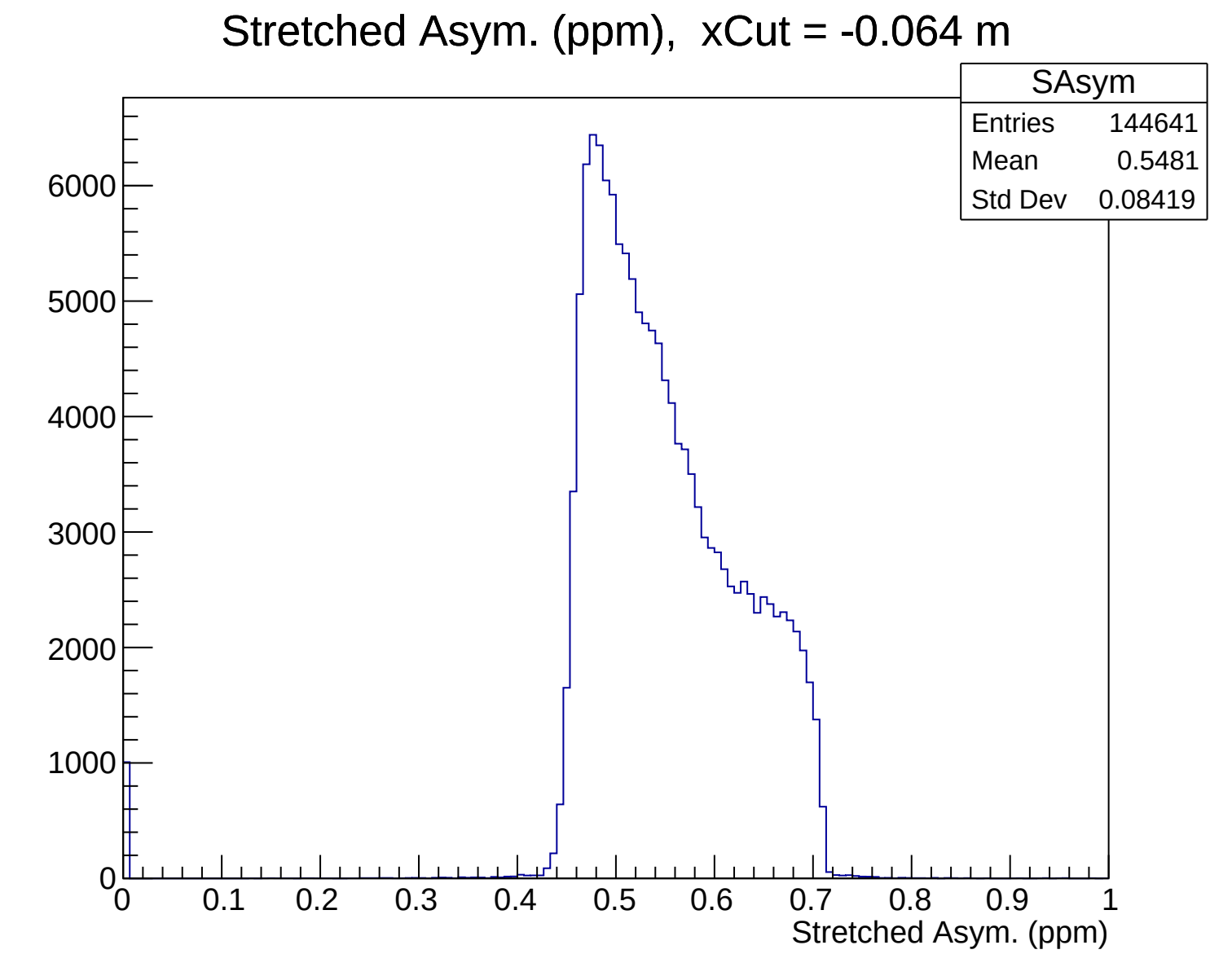

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

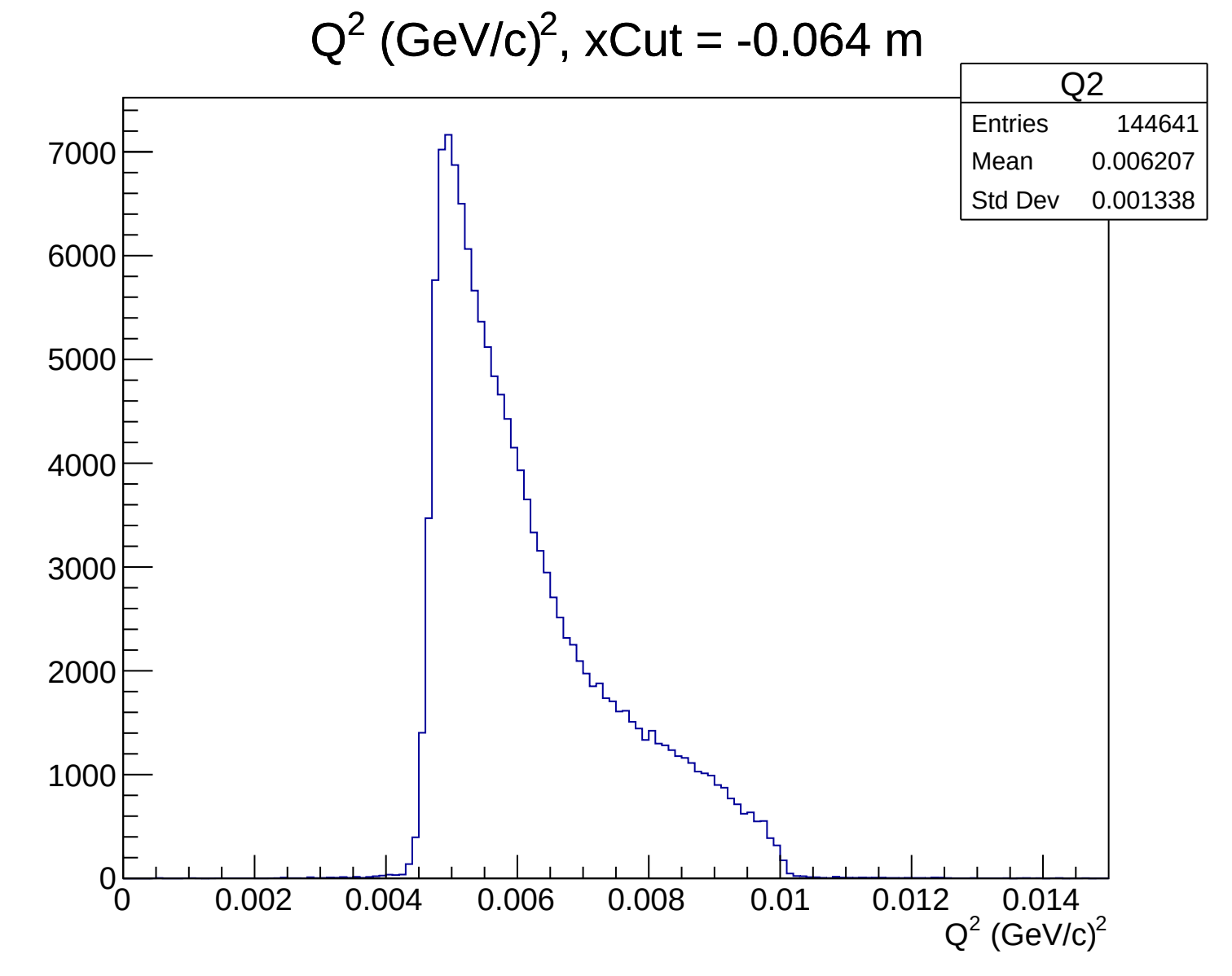

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

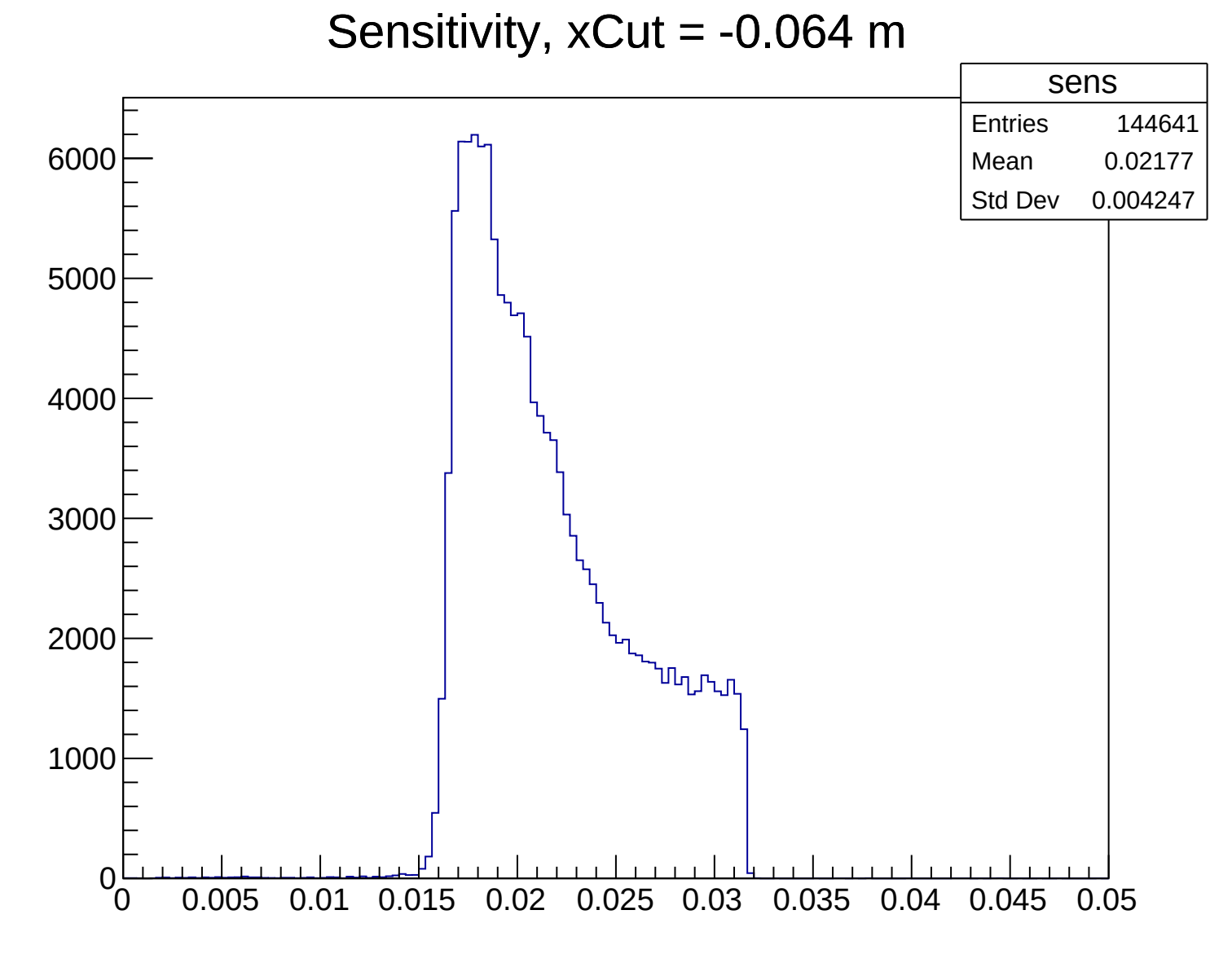

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

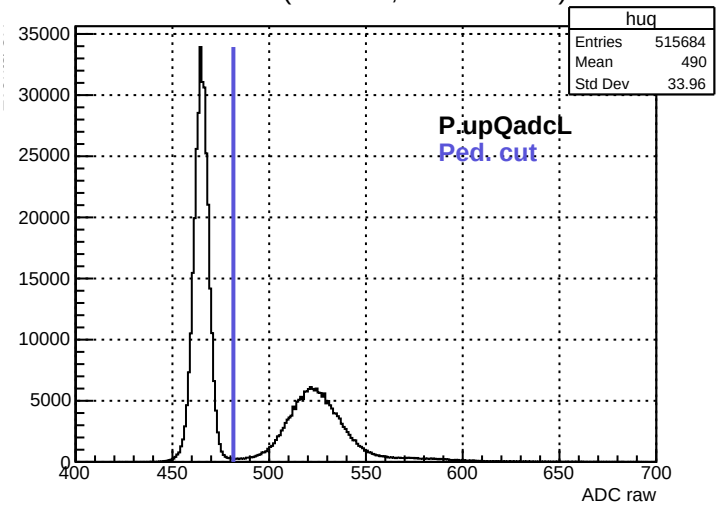

θlab (deg), xCut = -0.064 m
Theta
Entries 144641
Mean 4.737
Std Dev 0.4961
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

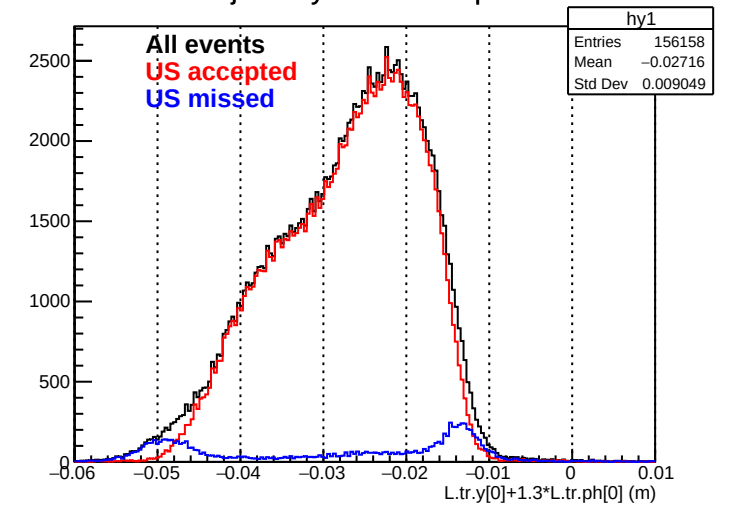

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 144641
Mean 0.5607
Std Dev 0.08823
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

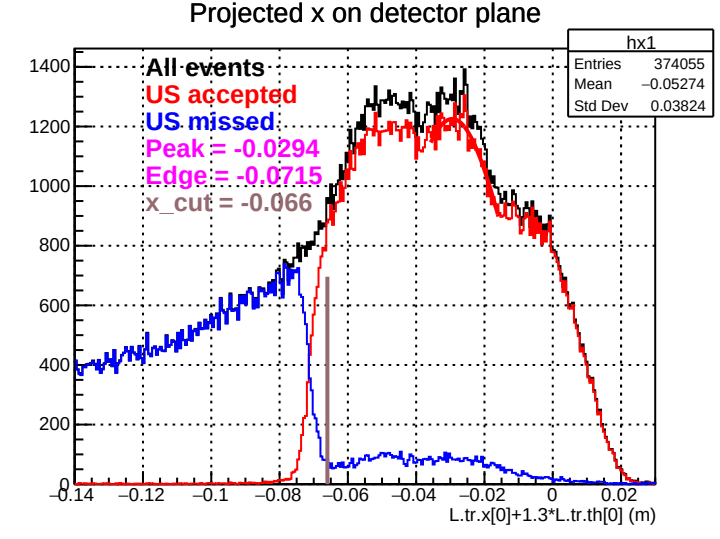

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 144641
Mean 0.5481
Std Dev 0.08419
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

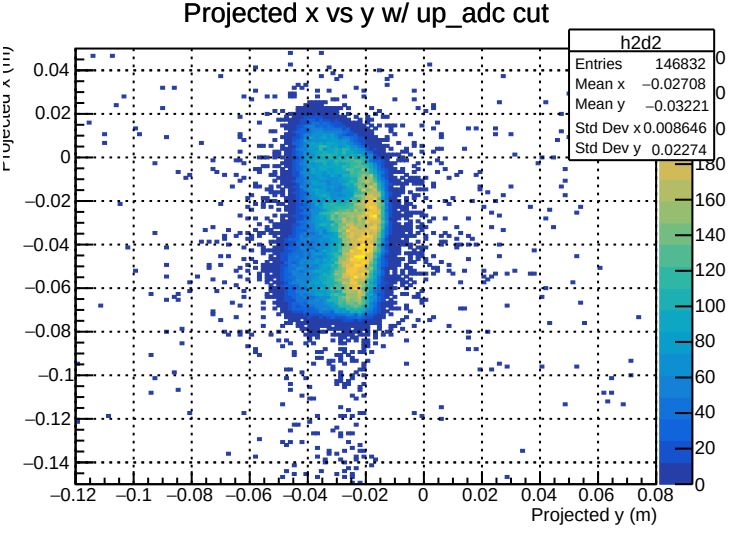

Q^2 $(GeV/c)^2$, xCut = -0.064 m
Q2
Entries 144641
Mean 0.006207
Std Dev 0.001338
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

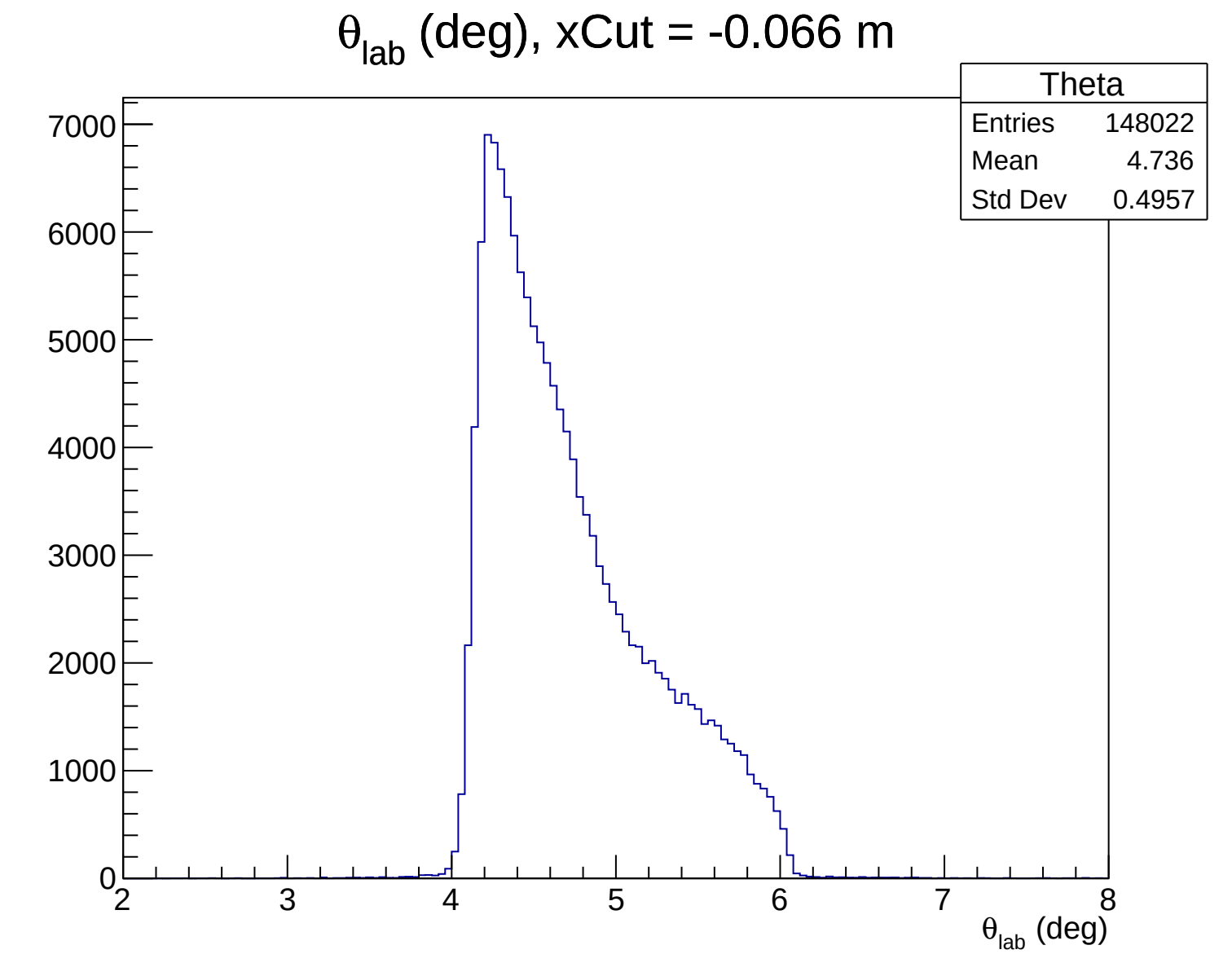

Sensitivity, xCut = -0.064 m
sens
Entries 144641
Mean 0.02177
Std Dev 0.004247
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

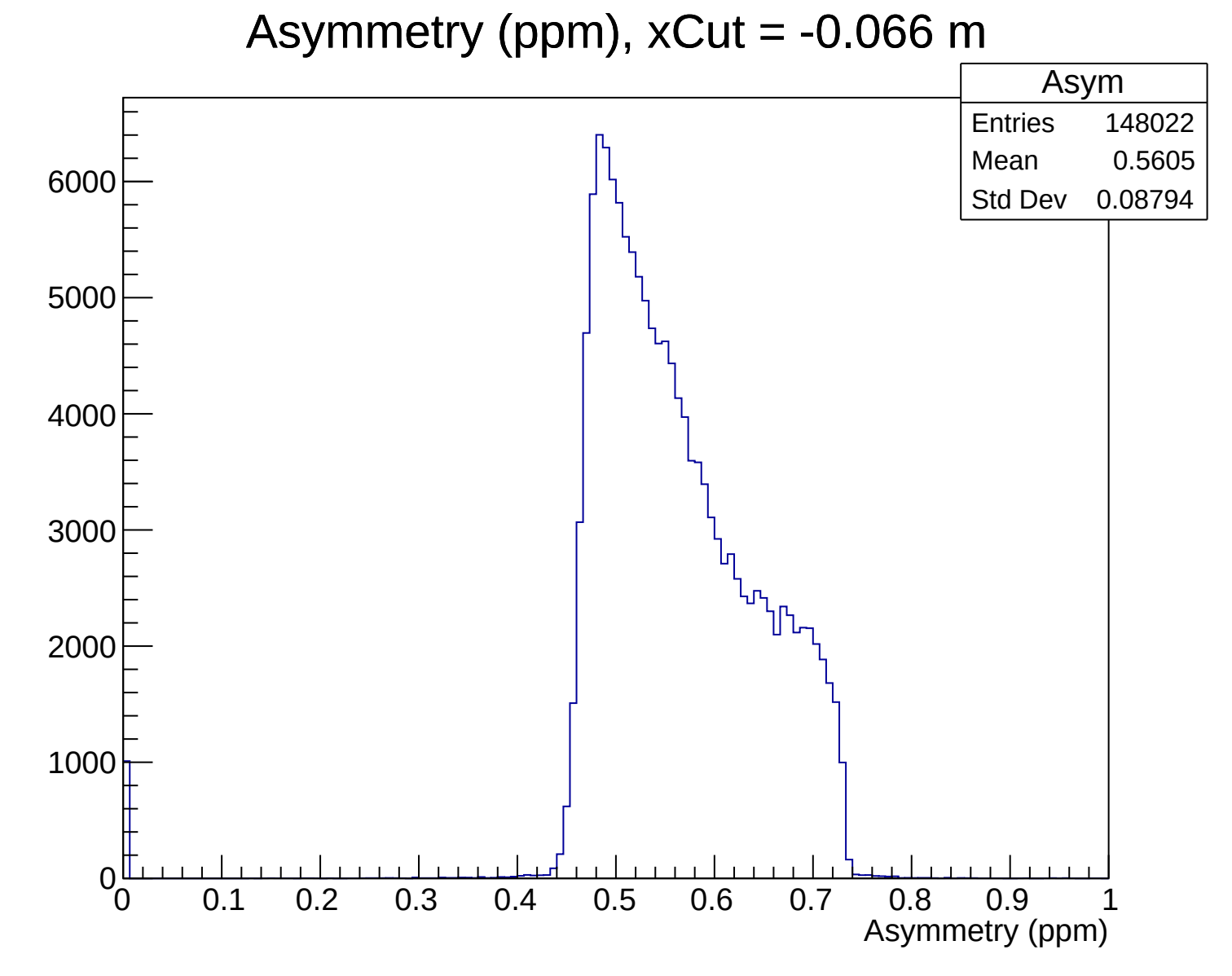

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

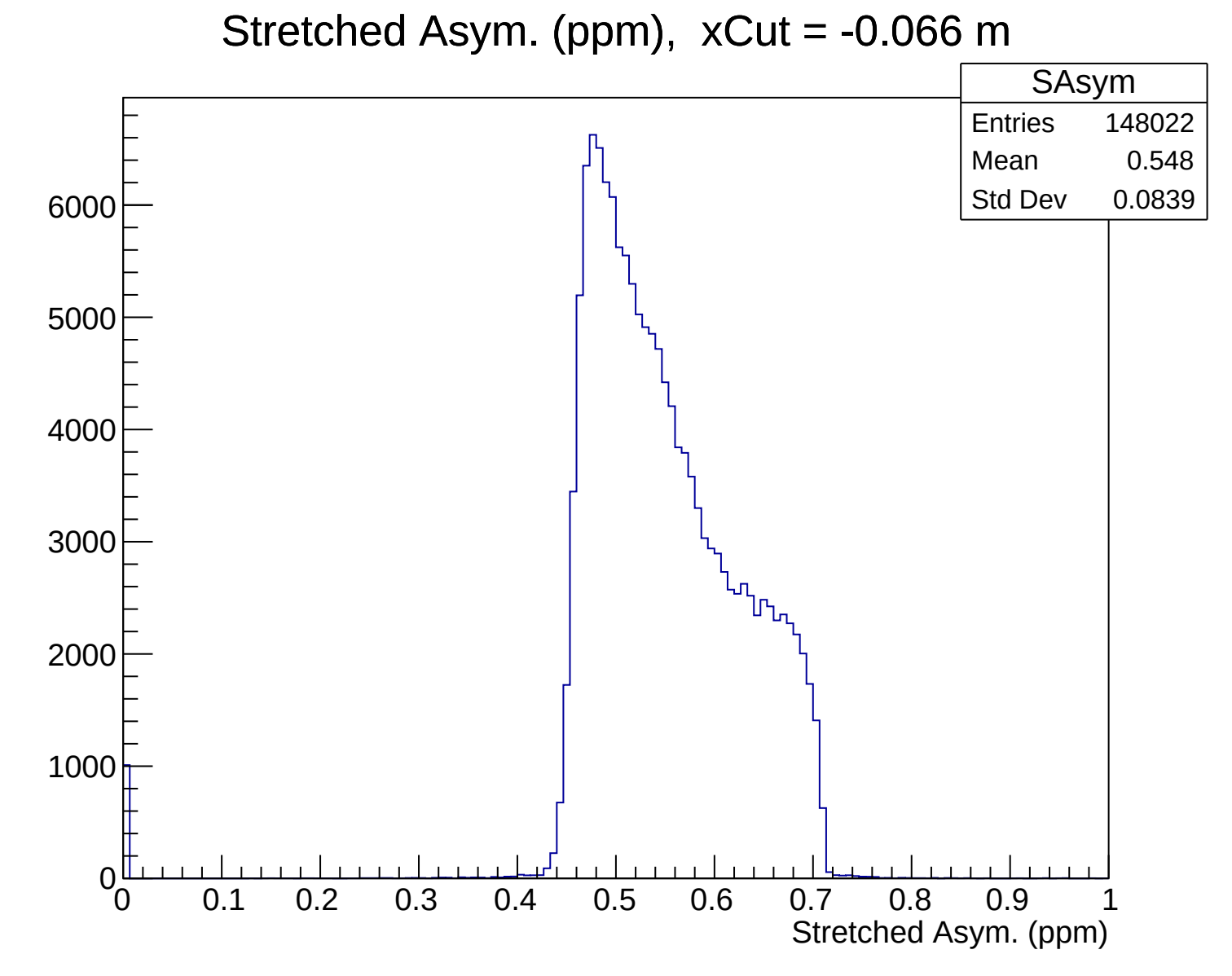

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

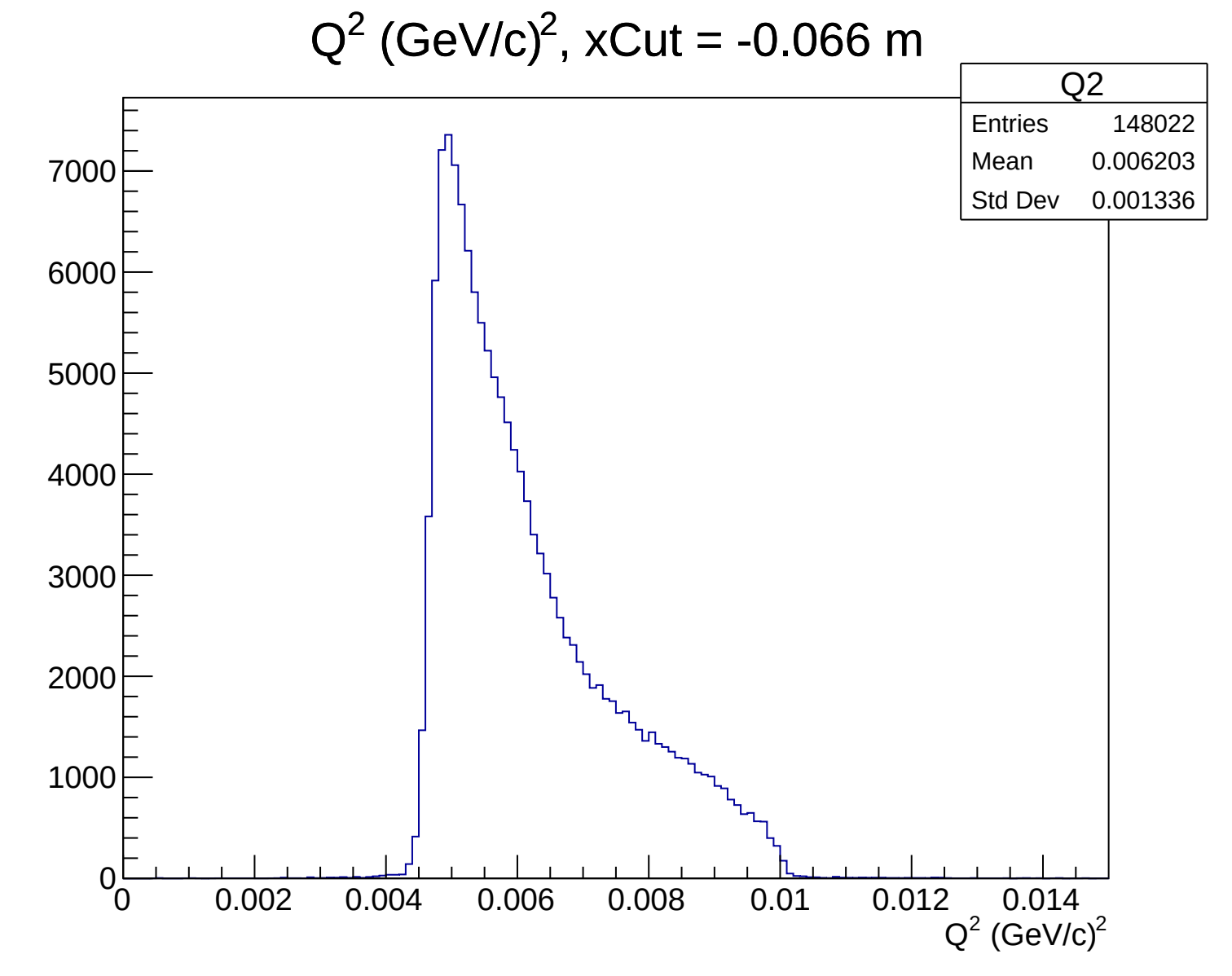

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.066
L.tr.x[0]+1.3*L.tr.th[0] (m)

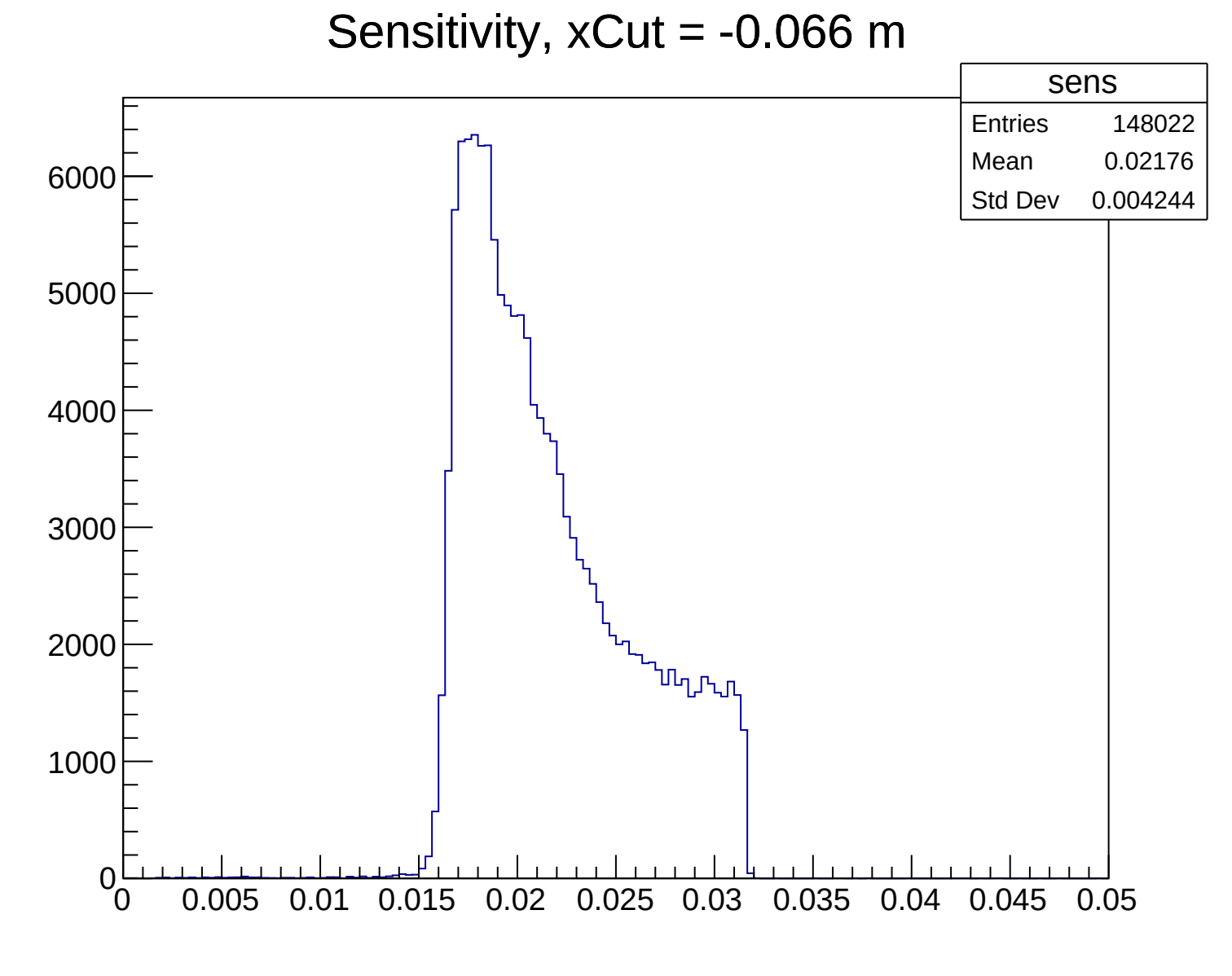

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

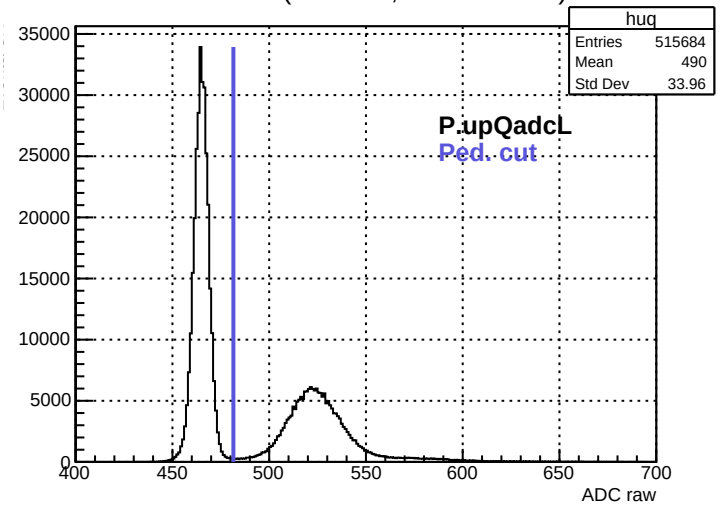

θlab (deg), xCut = -0.066 m
Theta
Entries 148022
Mean 4.736
Std Dev 0.4957
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

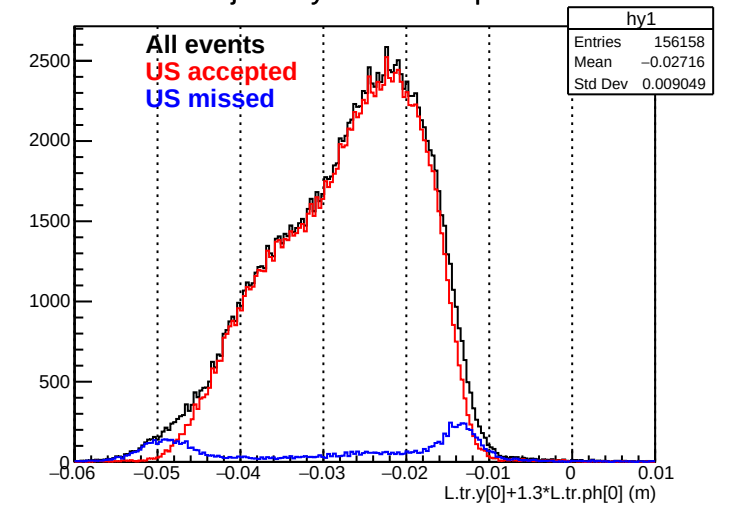

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 148022
Mean 0.5605
Std Dev 0.08794
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

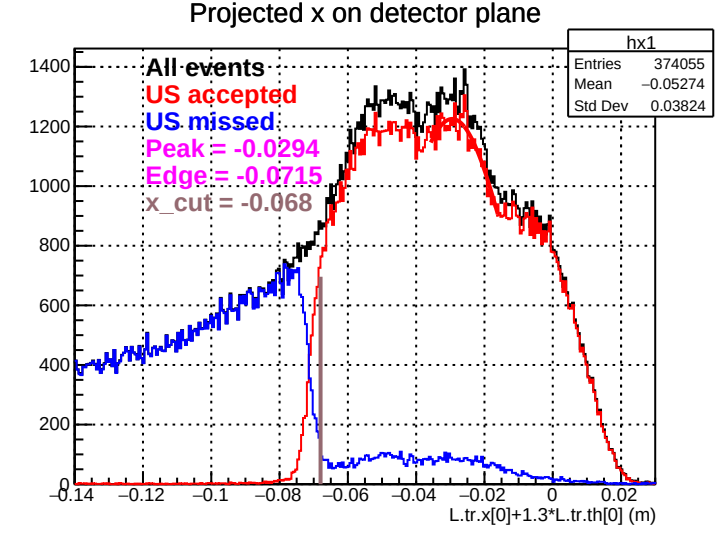

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 148022
Mean 0.548
Std Dev 0.0839
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

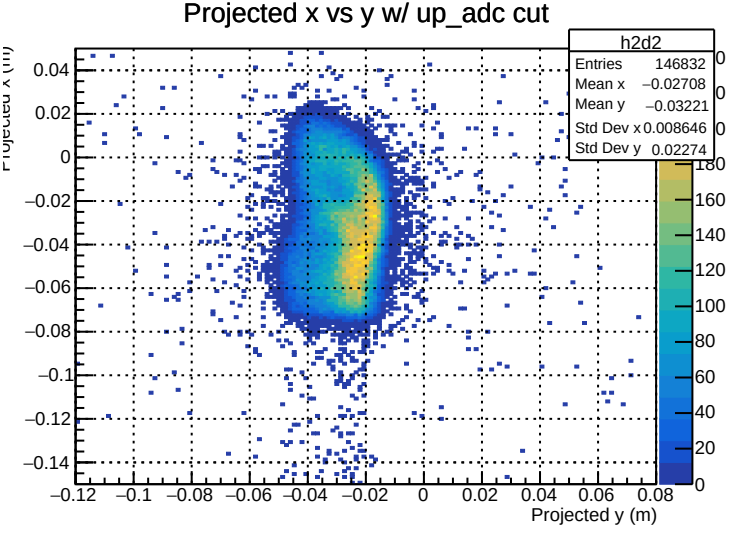

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 148022
Mean 0.006203
Std Dev 0.001336
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

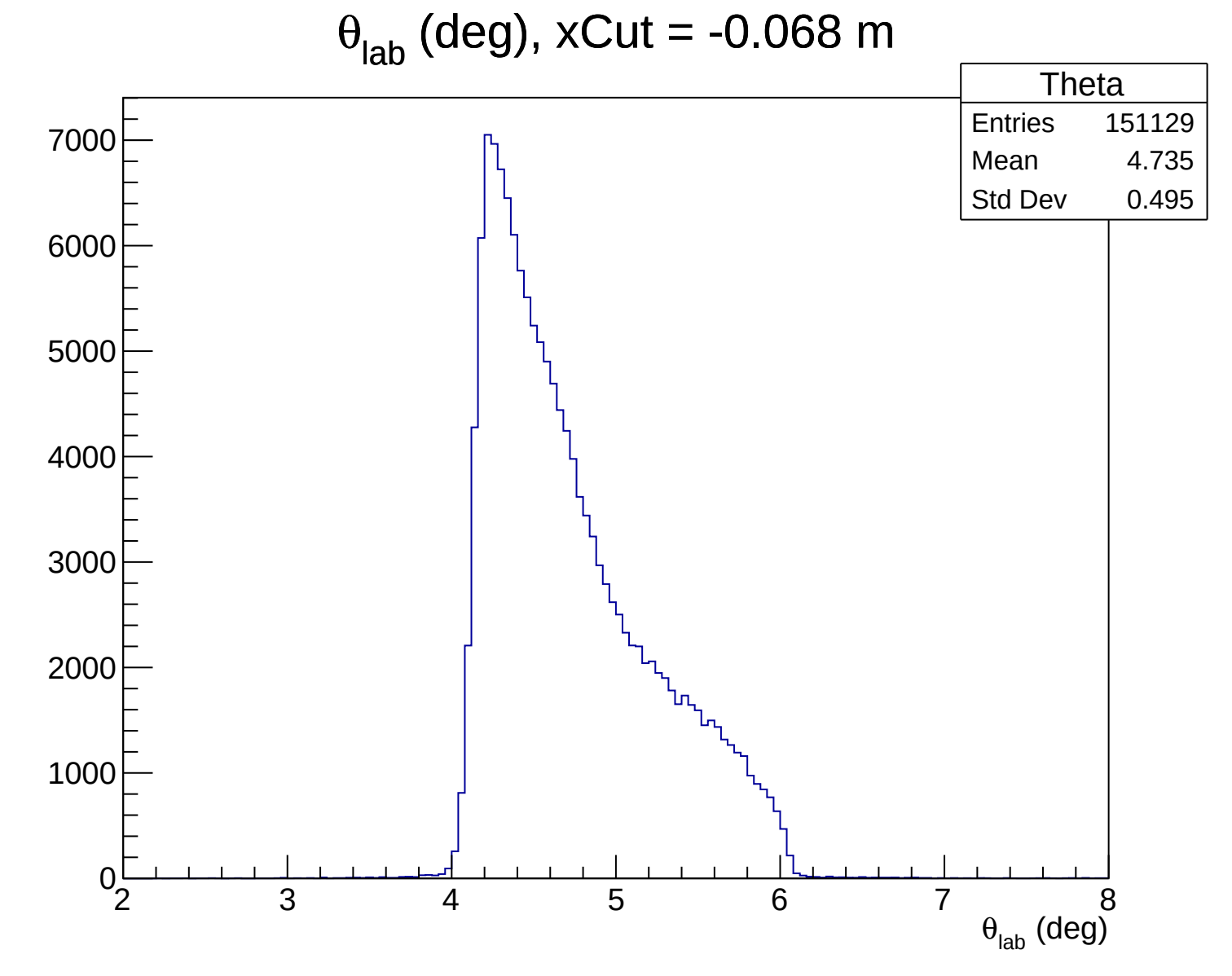

Sensitivity, xCut = -0.066 m
sens
Entries 148022
Mean 0.02176
Std Dev 0.004244
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

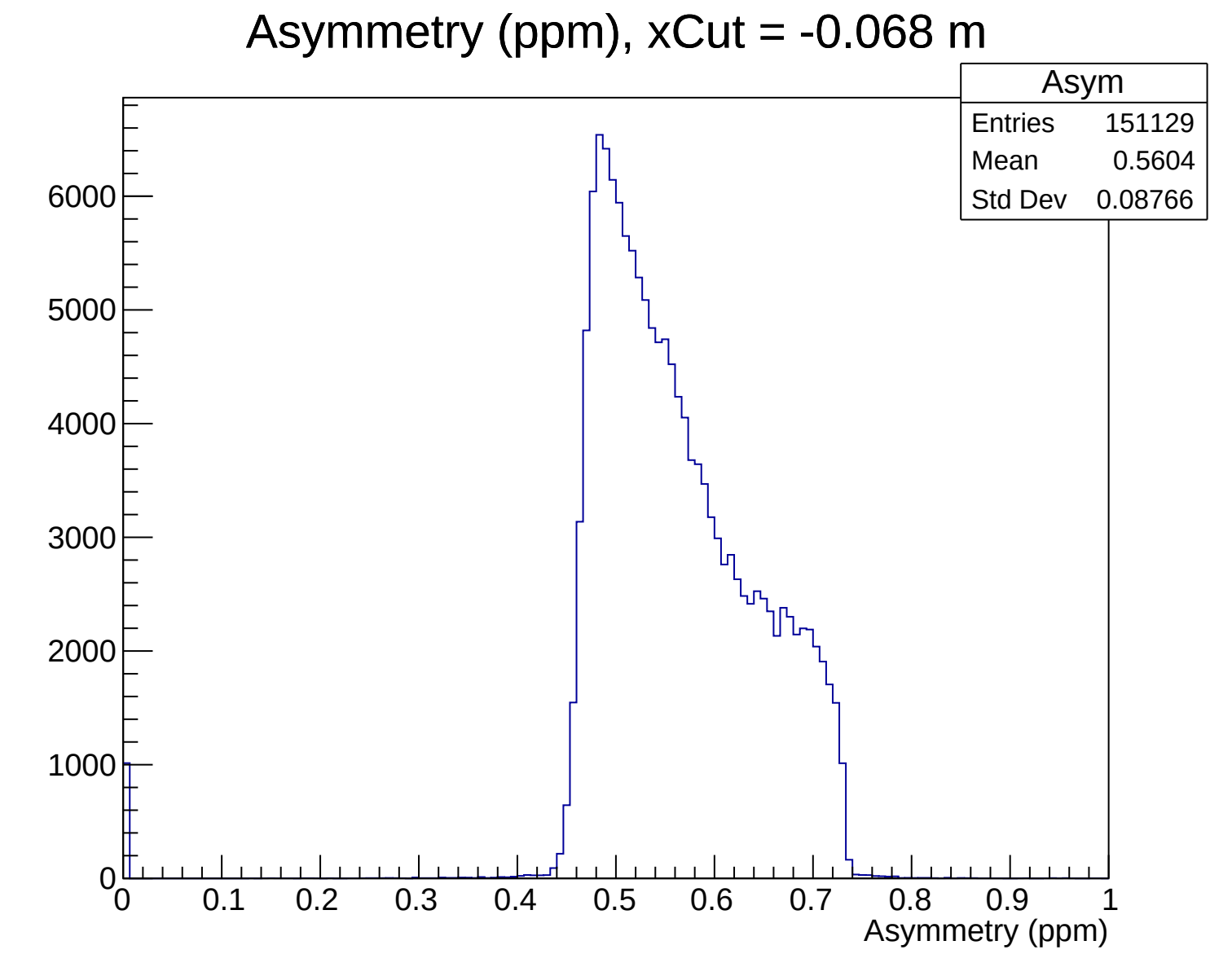

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

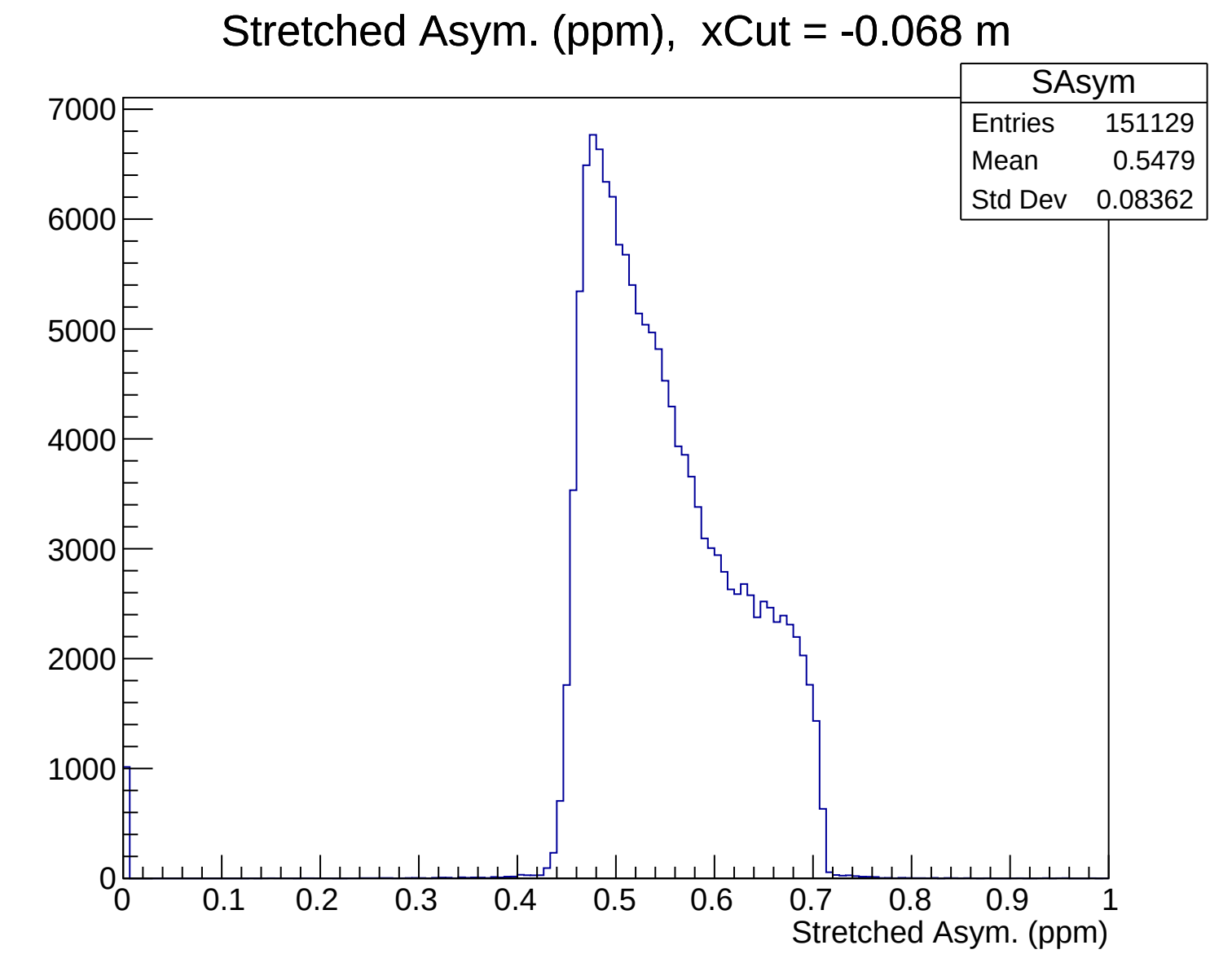

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

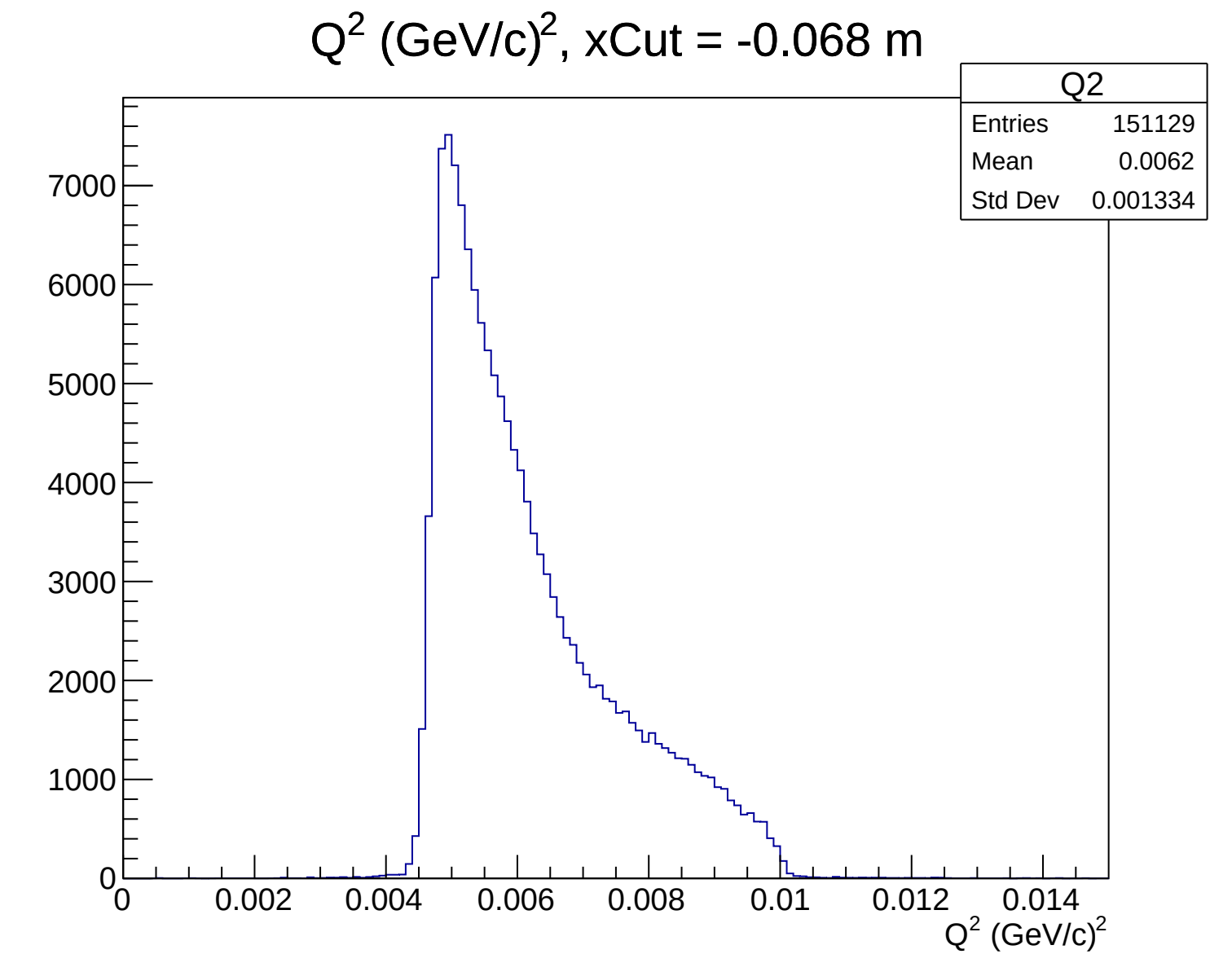

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

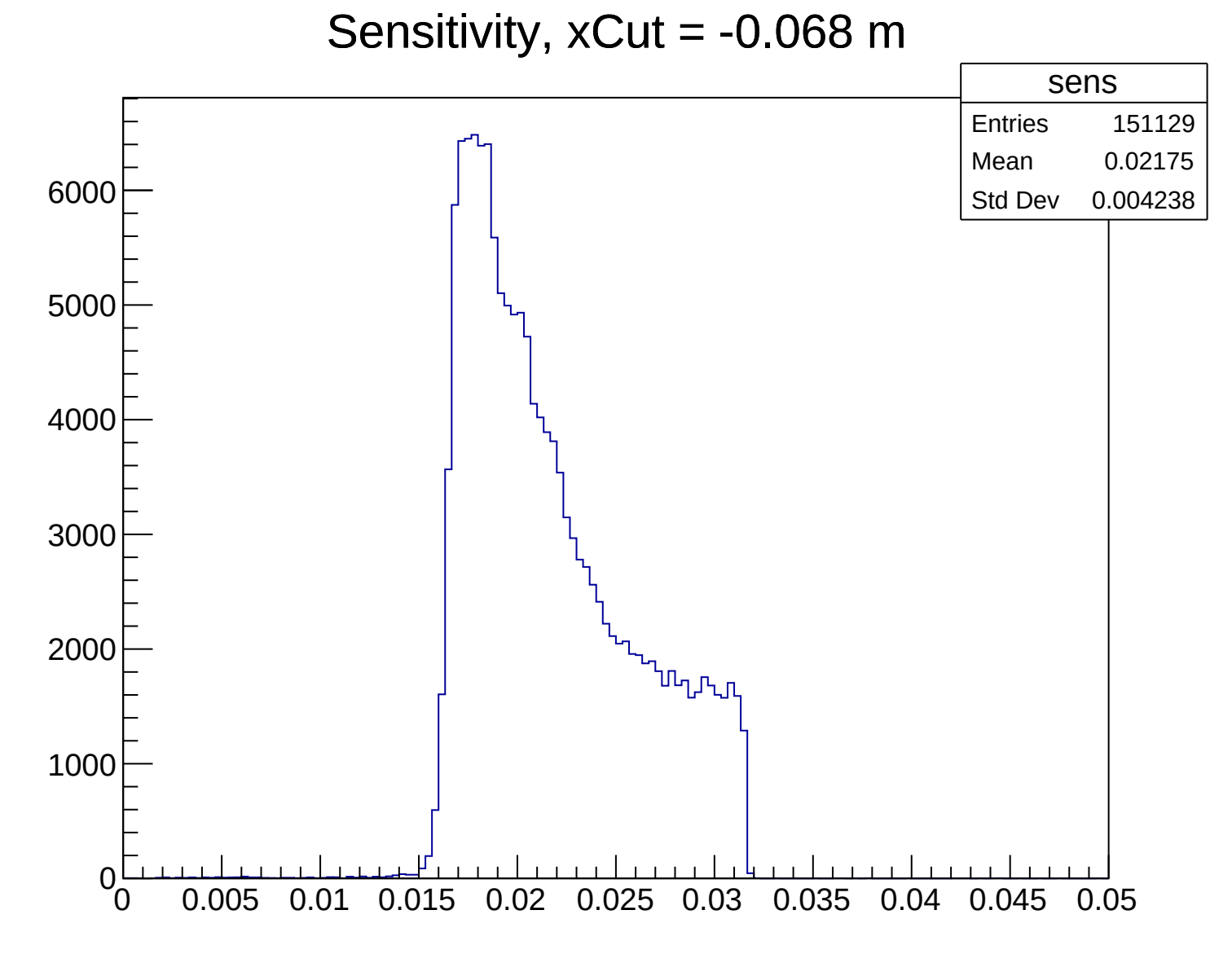

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

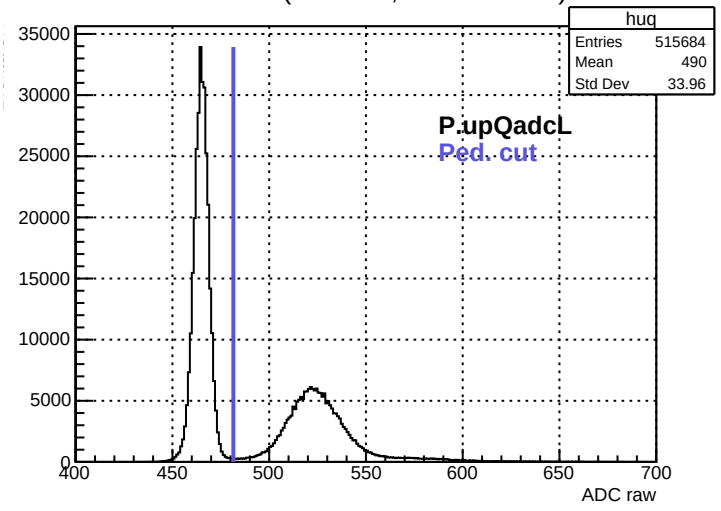

θlab (deg), xCut = -0.068 m
Theta
Entries 151129
Mean 4.735
Std Dev 0.495
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

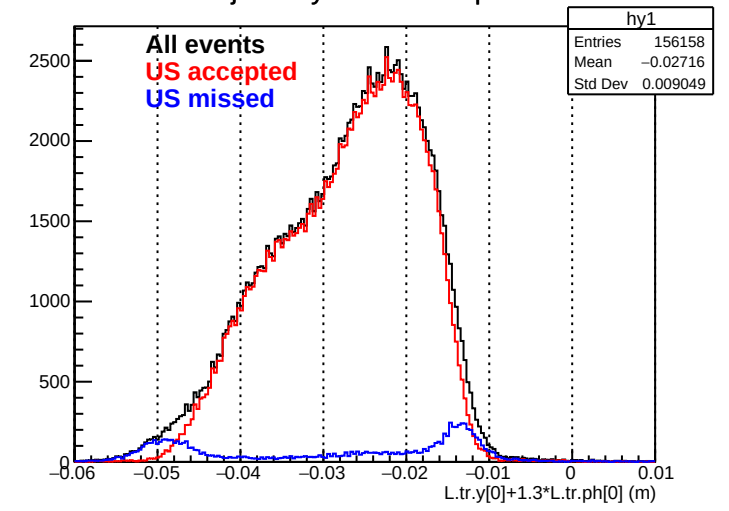

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 151129
Mean 0.5604
Std Dev 0.08766
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

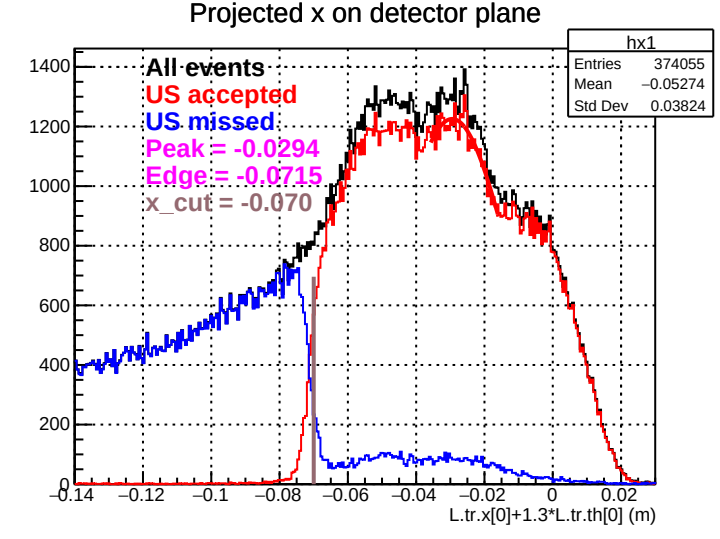

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 151129
Mean 0.5479
Std Dev 0.08362
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

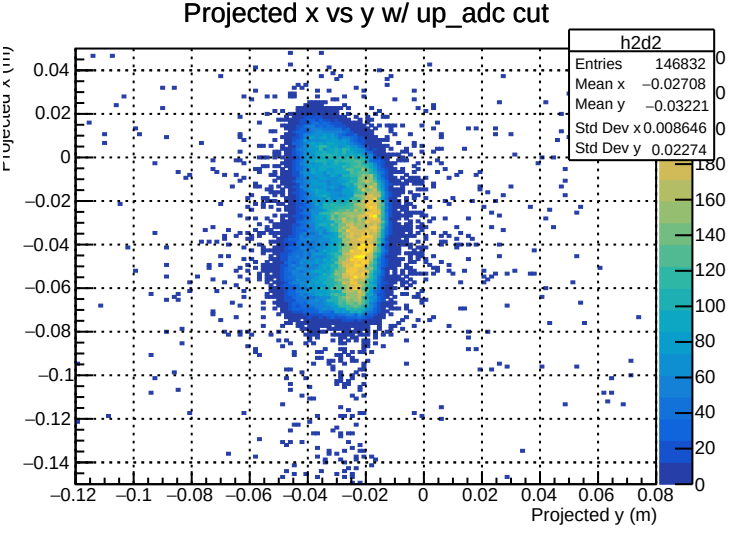

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 151129
Mean 0.0062
Std Dev 0.001334
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

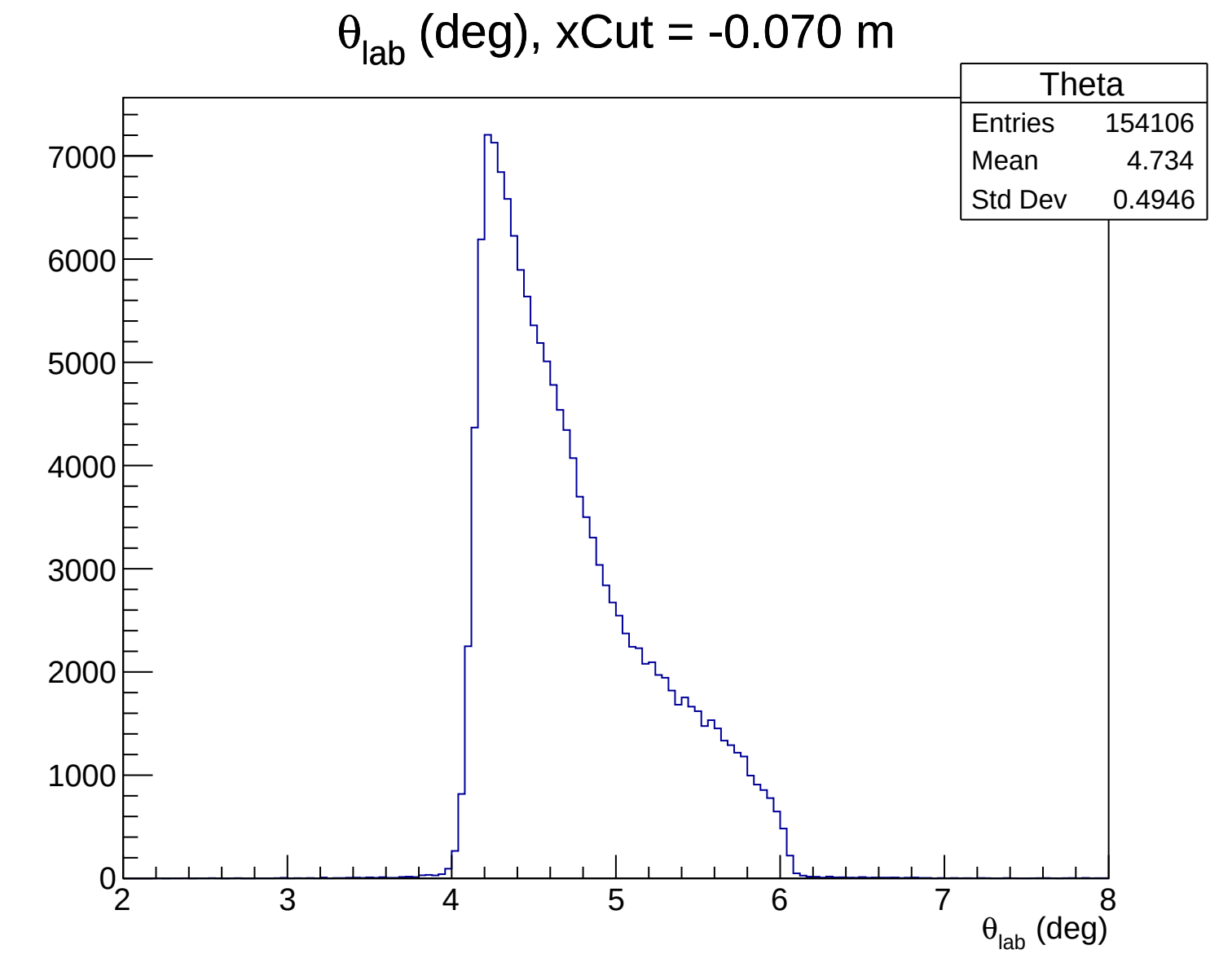

Sensitivity, xCut = -0.068 m
sens
Entries 151129
Mean 0.02175
Std Dev 0.004238
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

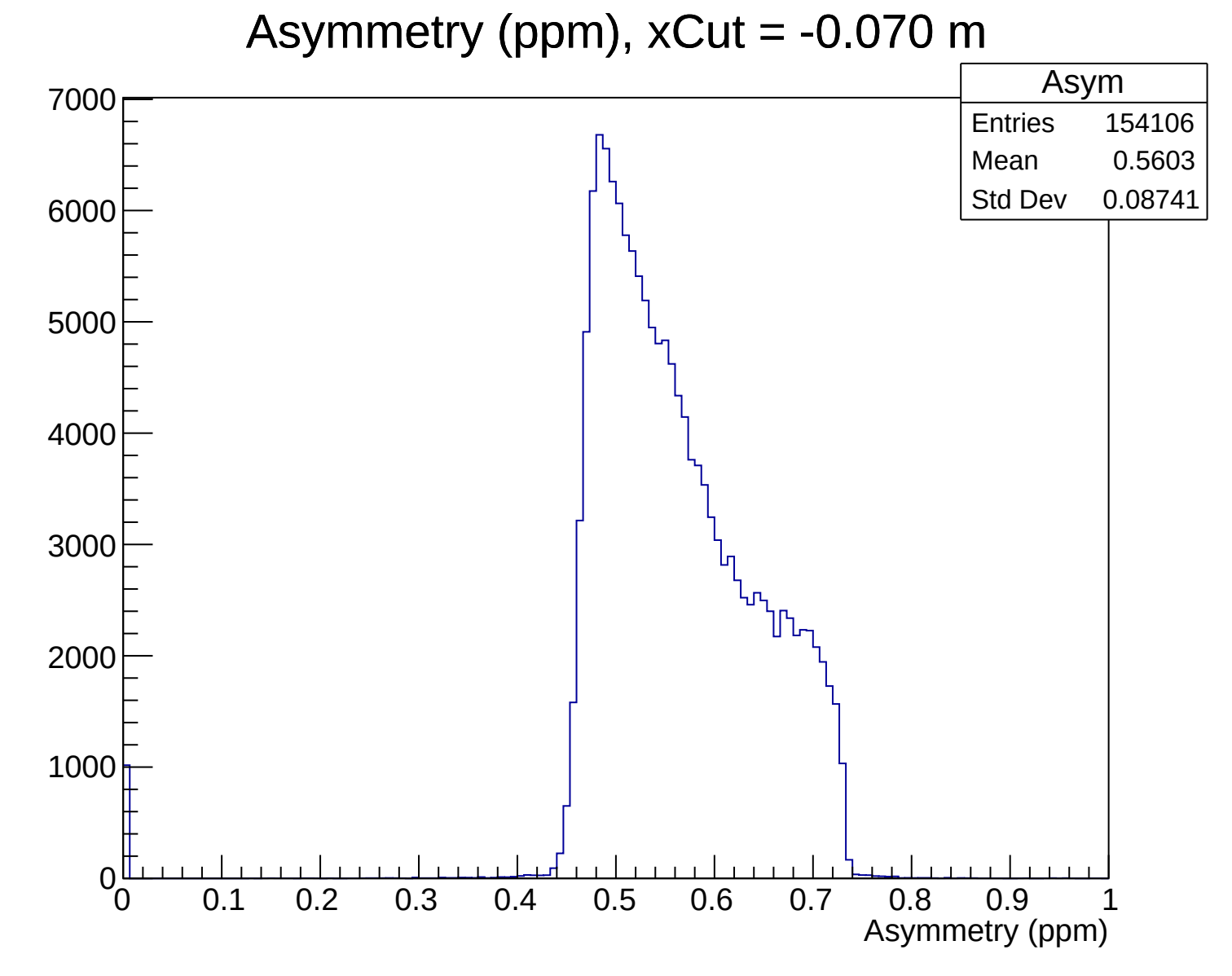

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

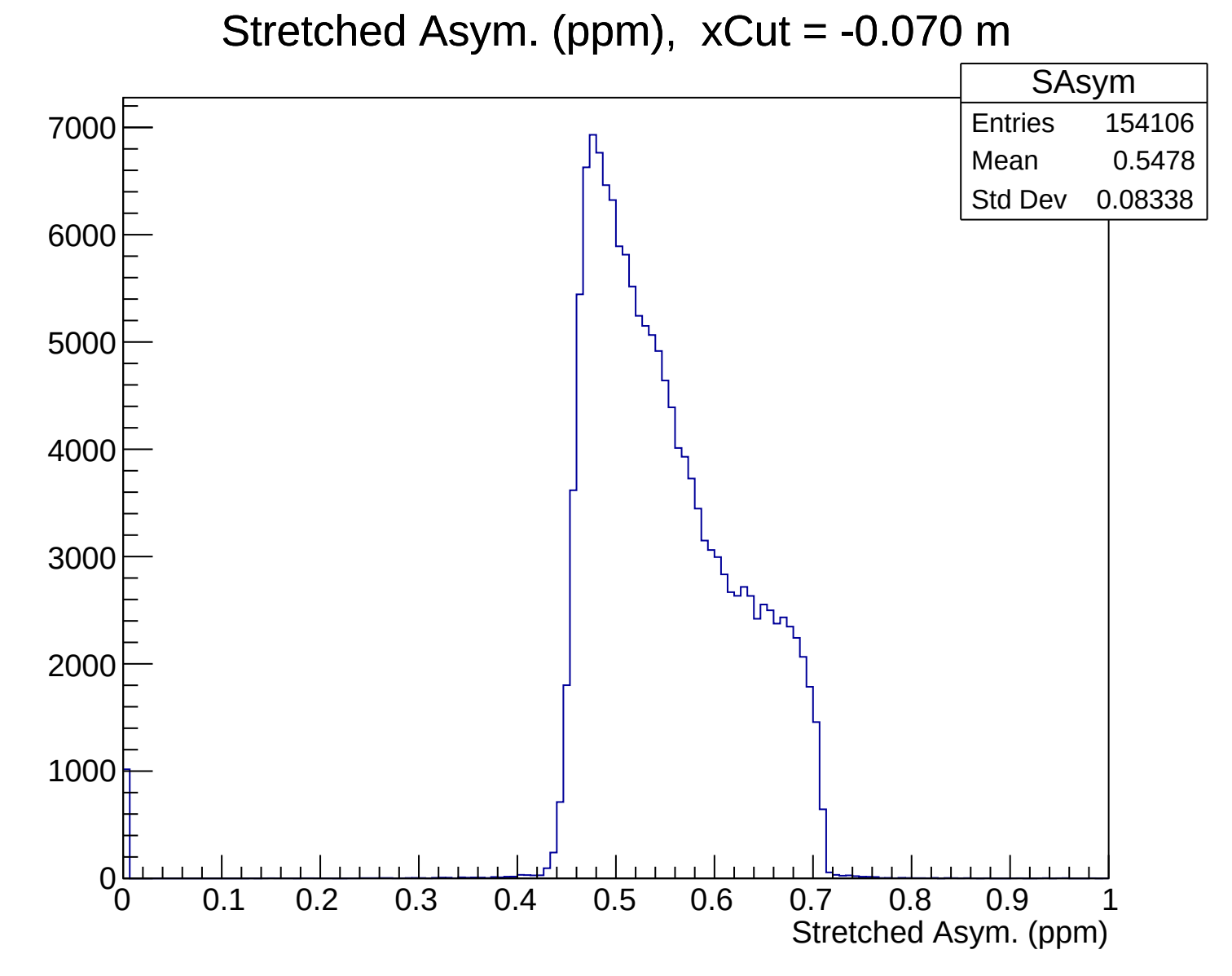

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

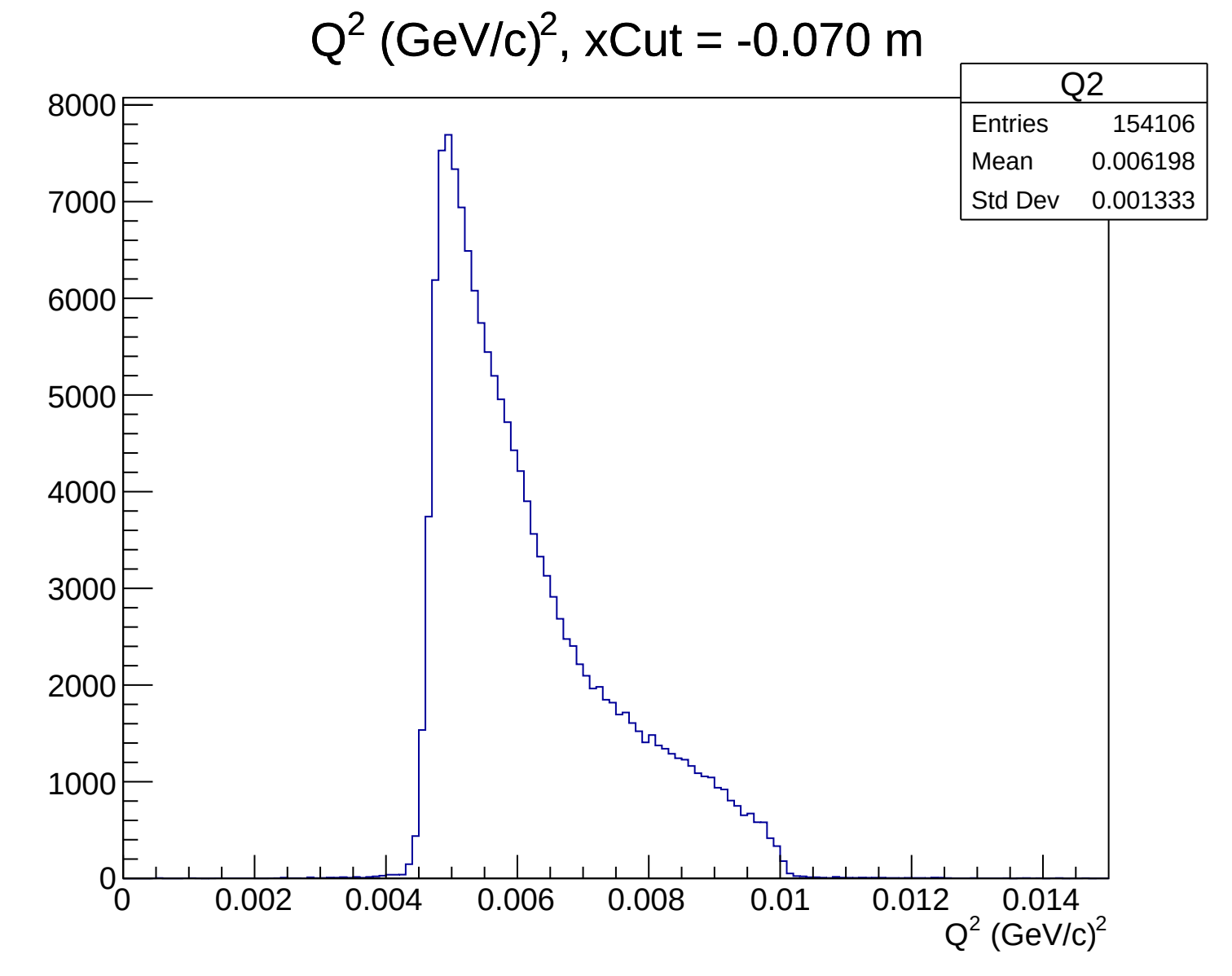

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

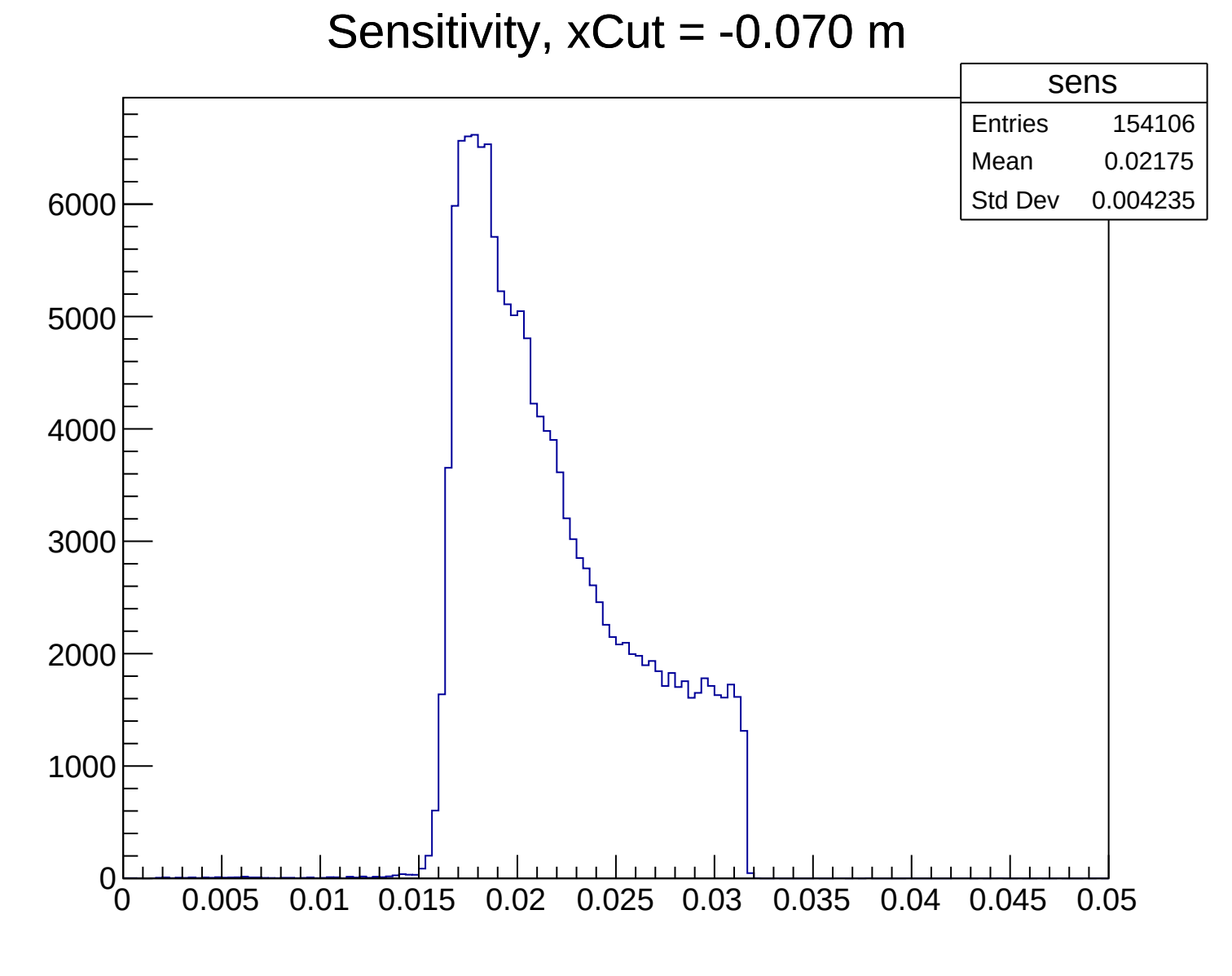

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

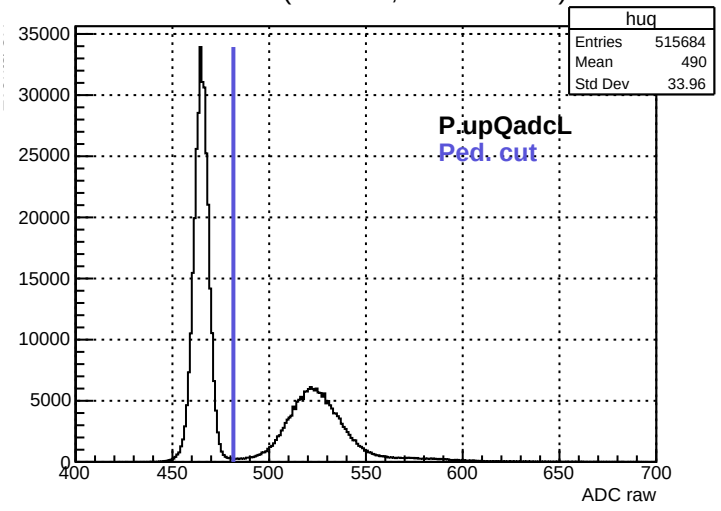

θlab (deg), xCut = -0.070 m
Theta
Entries 154106
Mean 4.734
Std Dev 0.4946
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

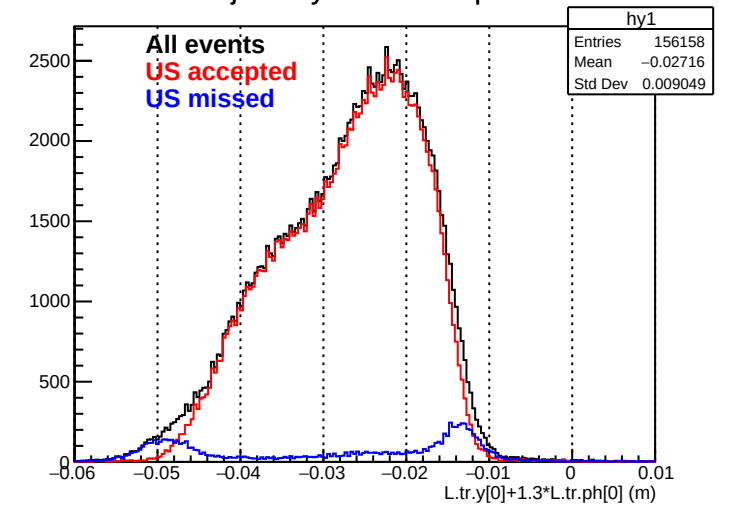

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 154106
Mean 0.5603
Std Dev 0.08741
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

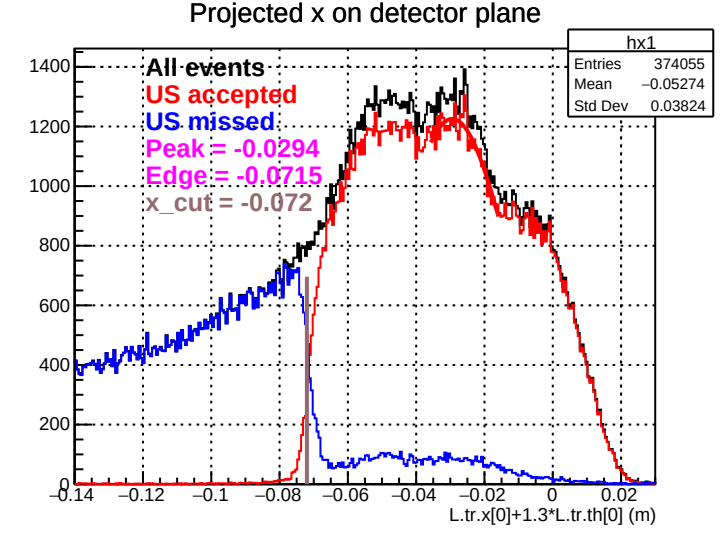

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 154106
Mean 0.5478
Std Dev 0.08338
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

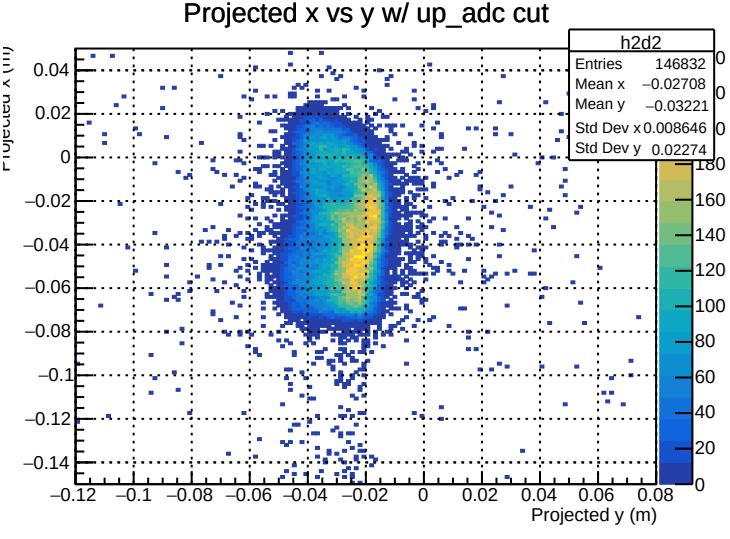

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 154106
Mean 0.006198
Std Dev 0.001333
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

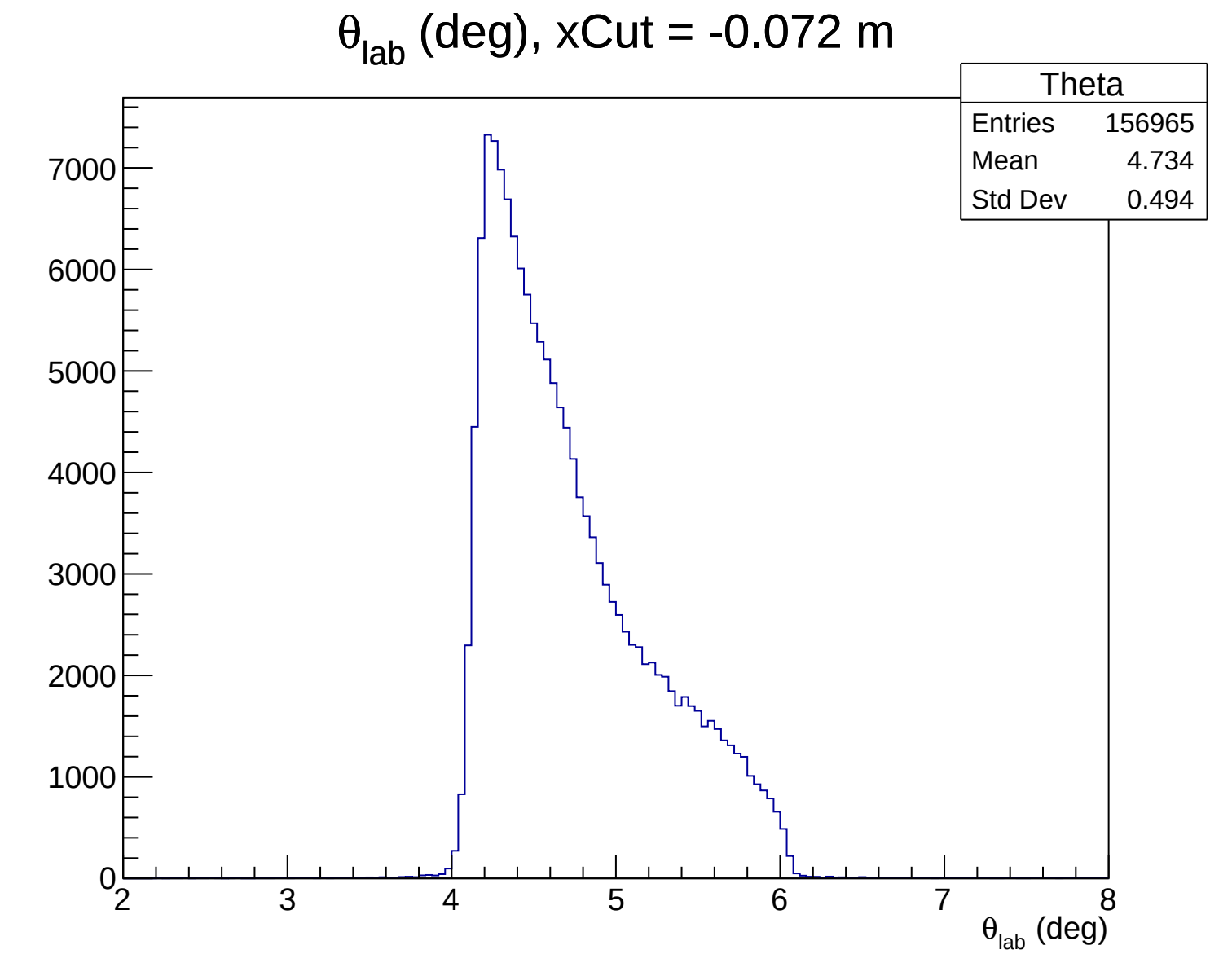

Sensitivity, xCut = -0.070 m
sens
Entries 154106
Mean 0.02175
Std Dev 0.004235
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

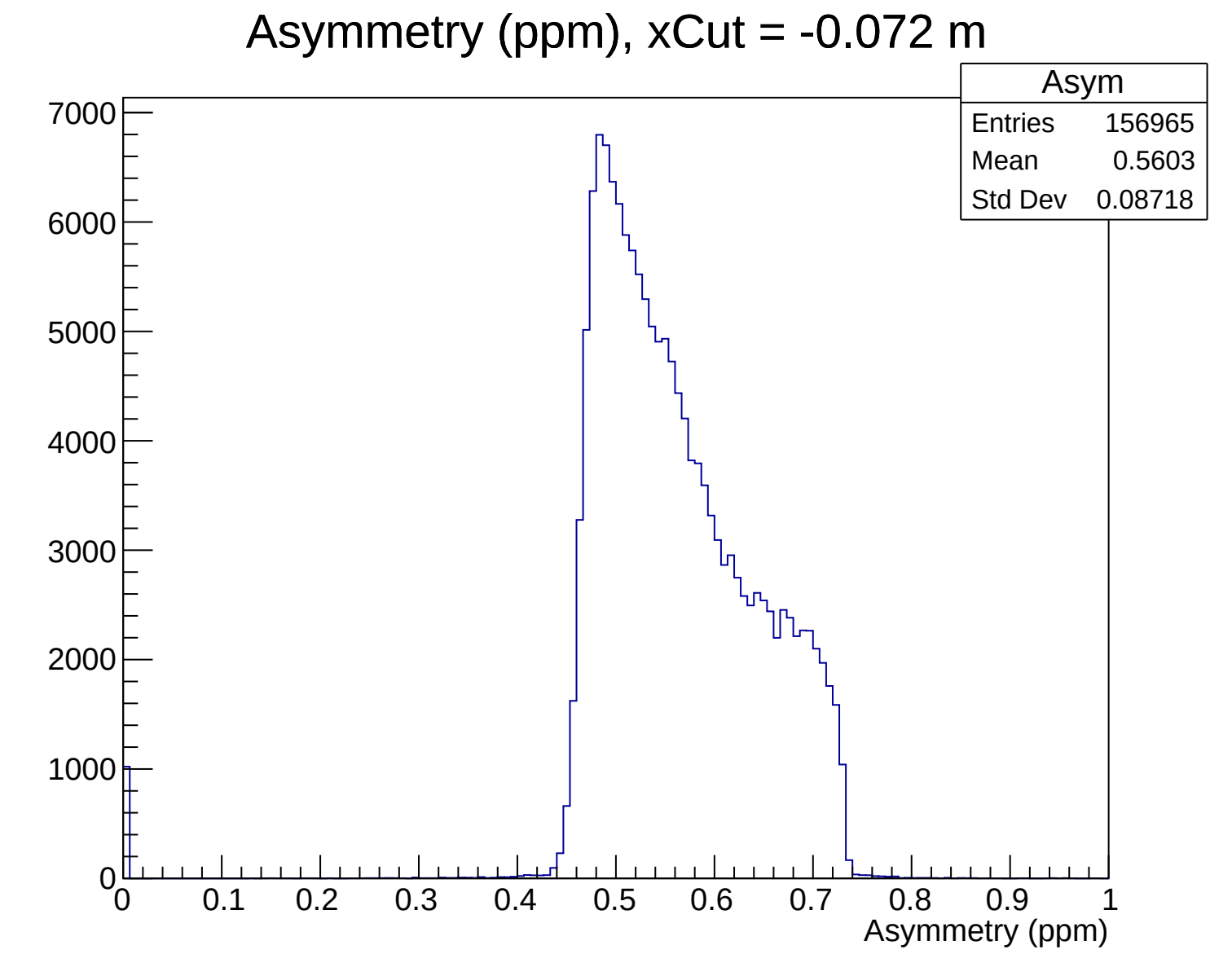

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

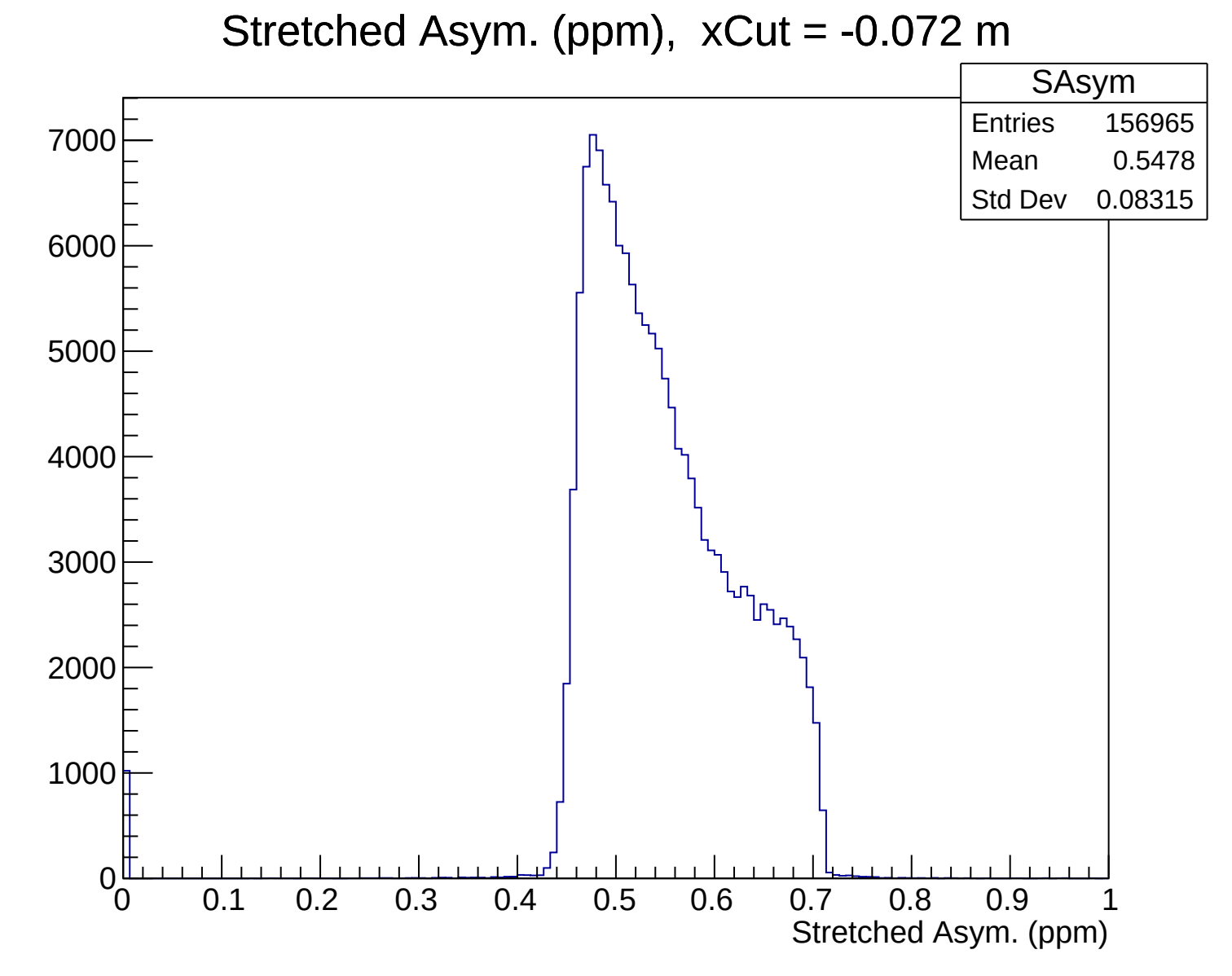

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

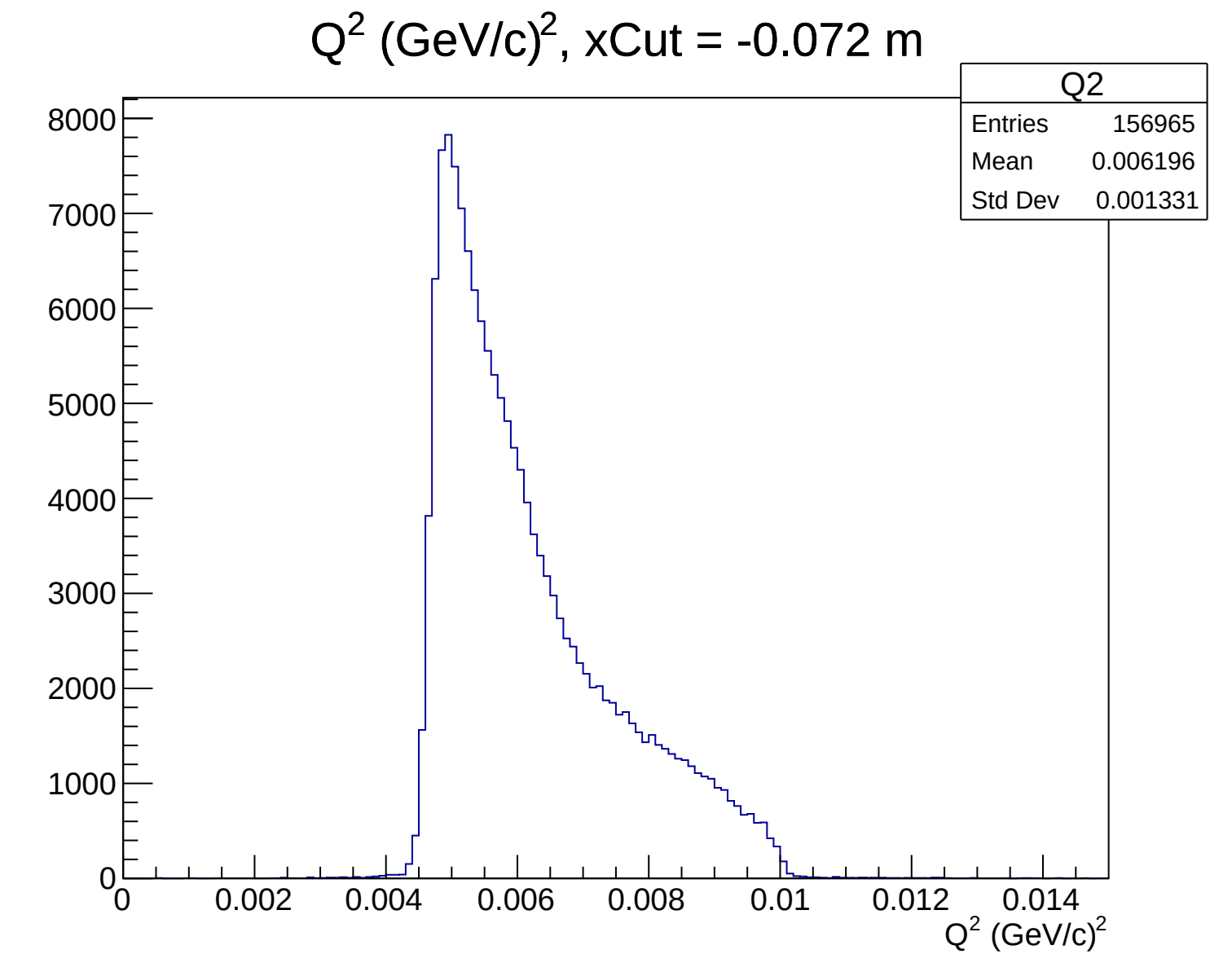

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.072
L.tr.x[0]+1.3*L.tr.th[0] (m)

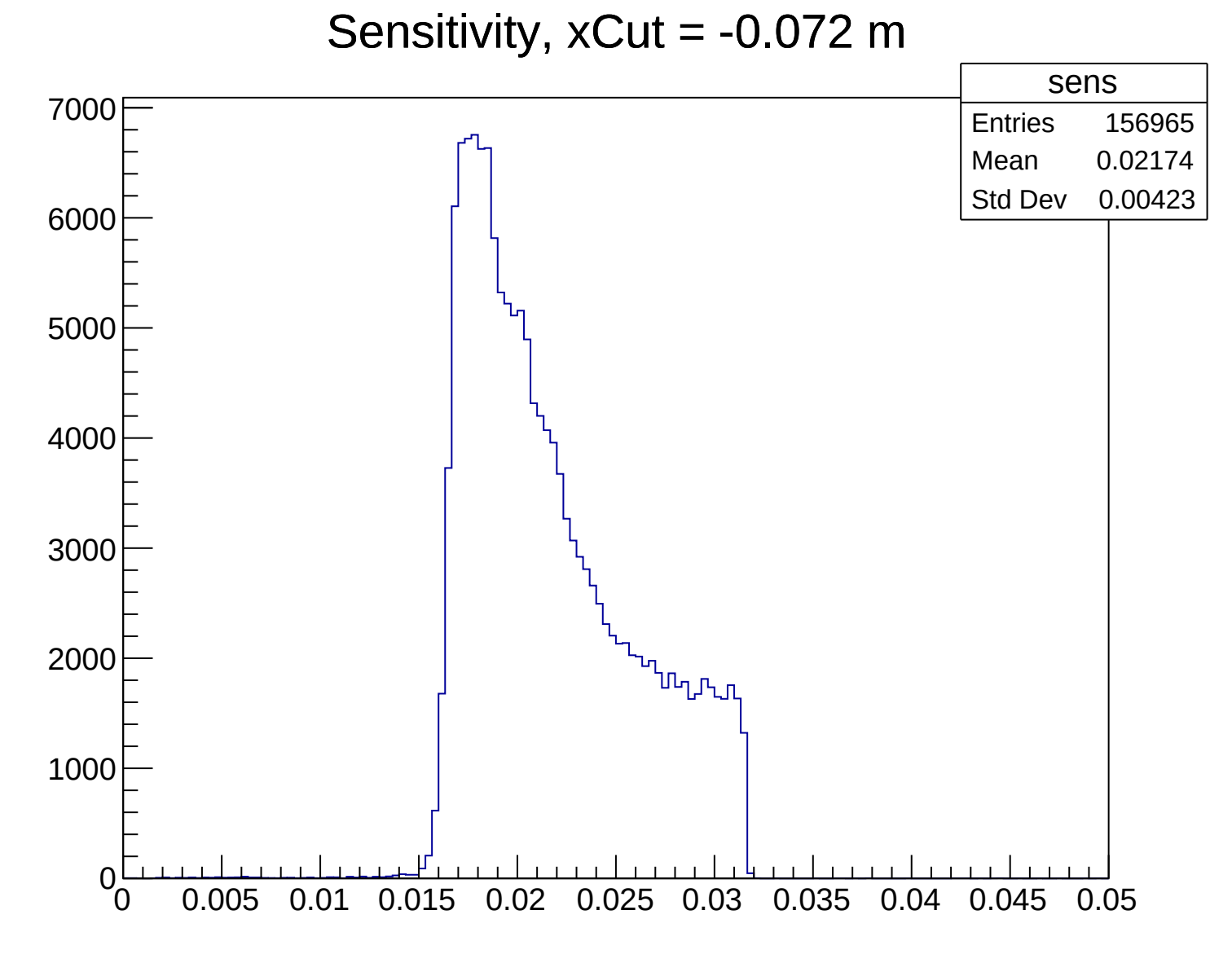

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

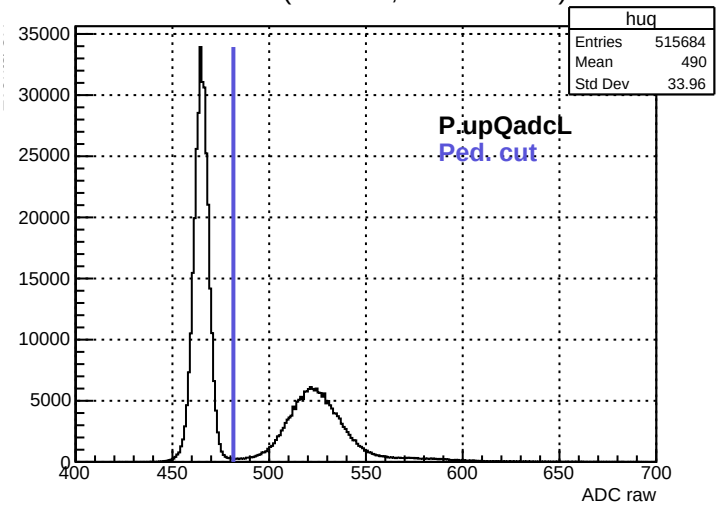

θlab (deg), xCut = -0.072 m
Theta
Entries 156965
Mean 4.734
Std Dev 0.494
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

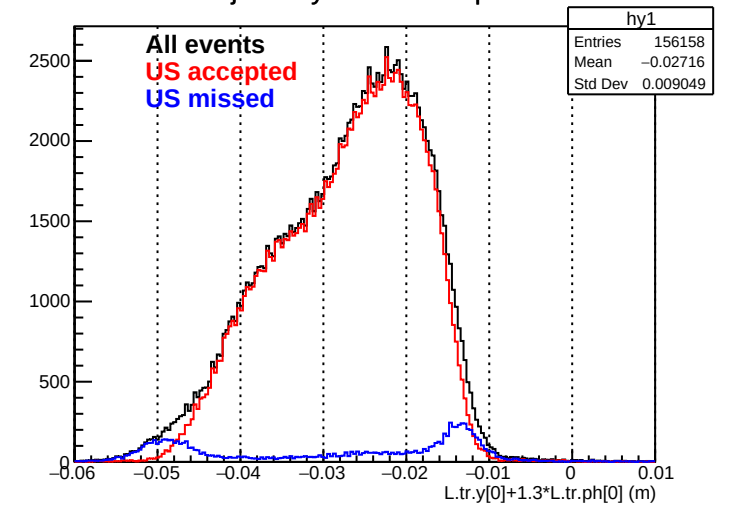

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 156965
Mean 0.5603
Std Dev 0.08718
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

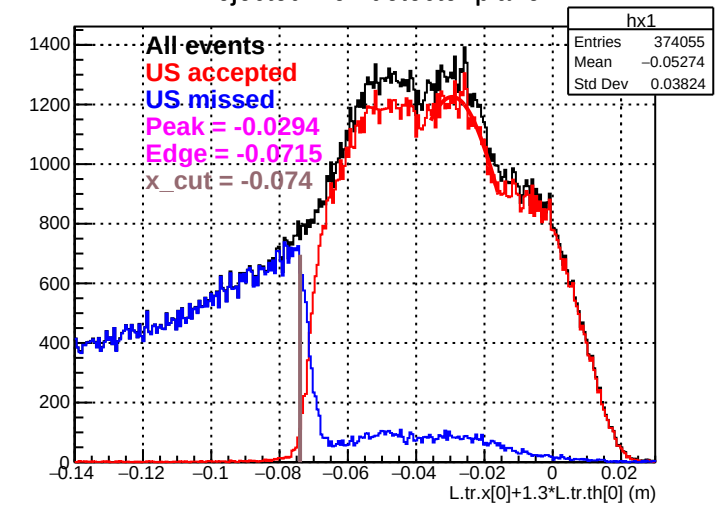

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 156965
Mean 0.5478
Std Dev 0.08315
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

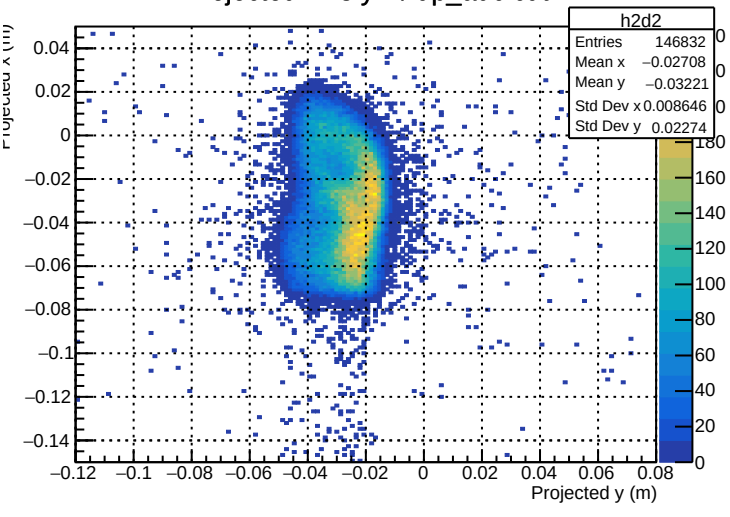

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 156965
Mean 0.006196
Std Dev 0.001331
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

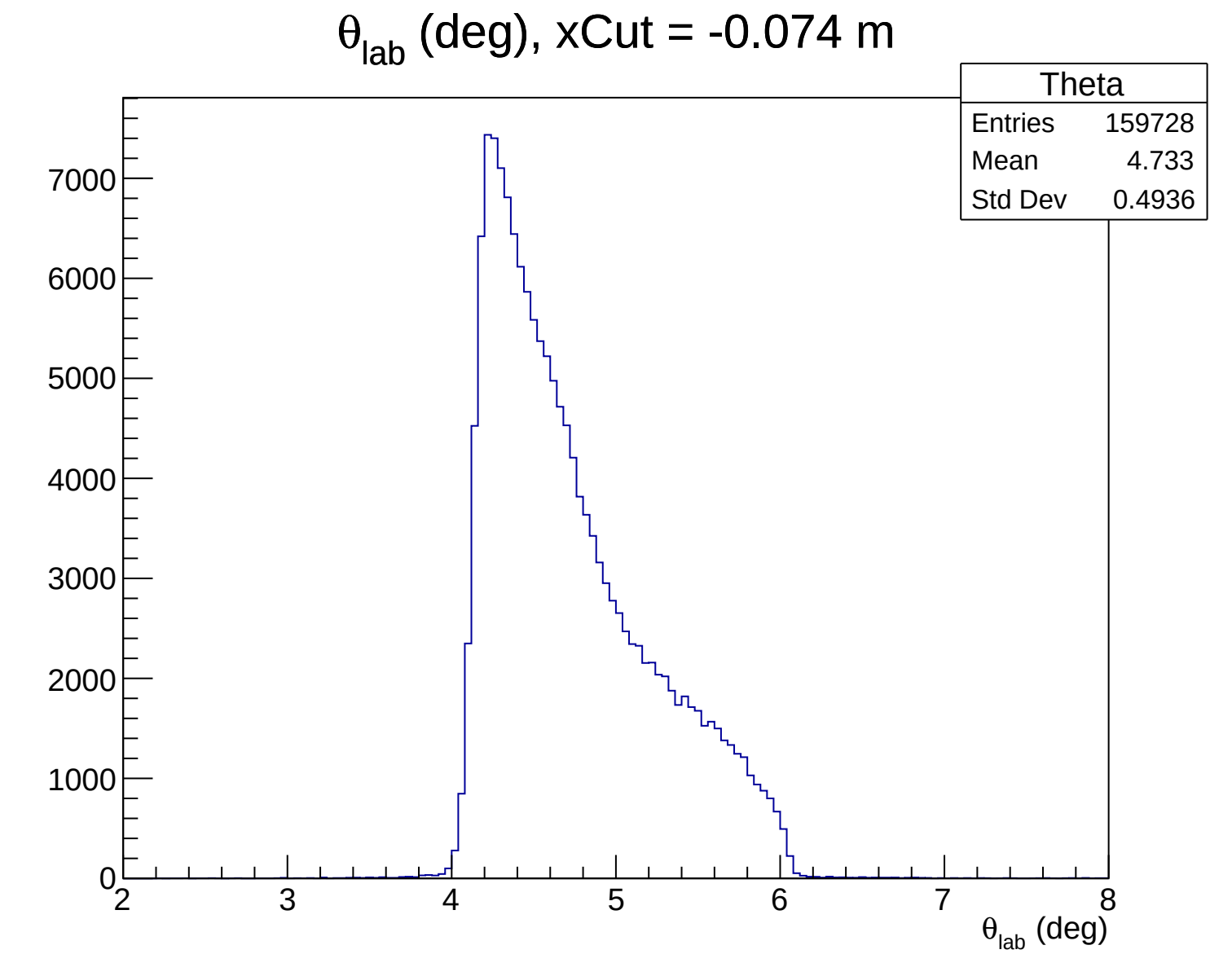

Sensitivity, xCut = -0.072 m
sens
Entries 156965
Mean 0.02174
Std Dev 0.00423
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

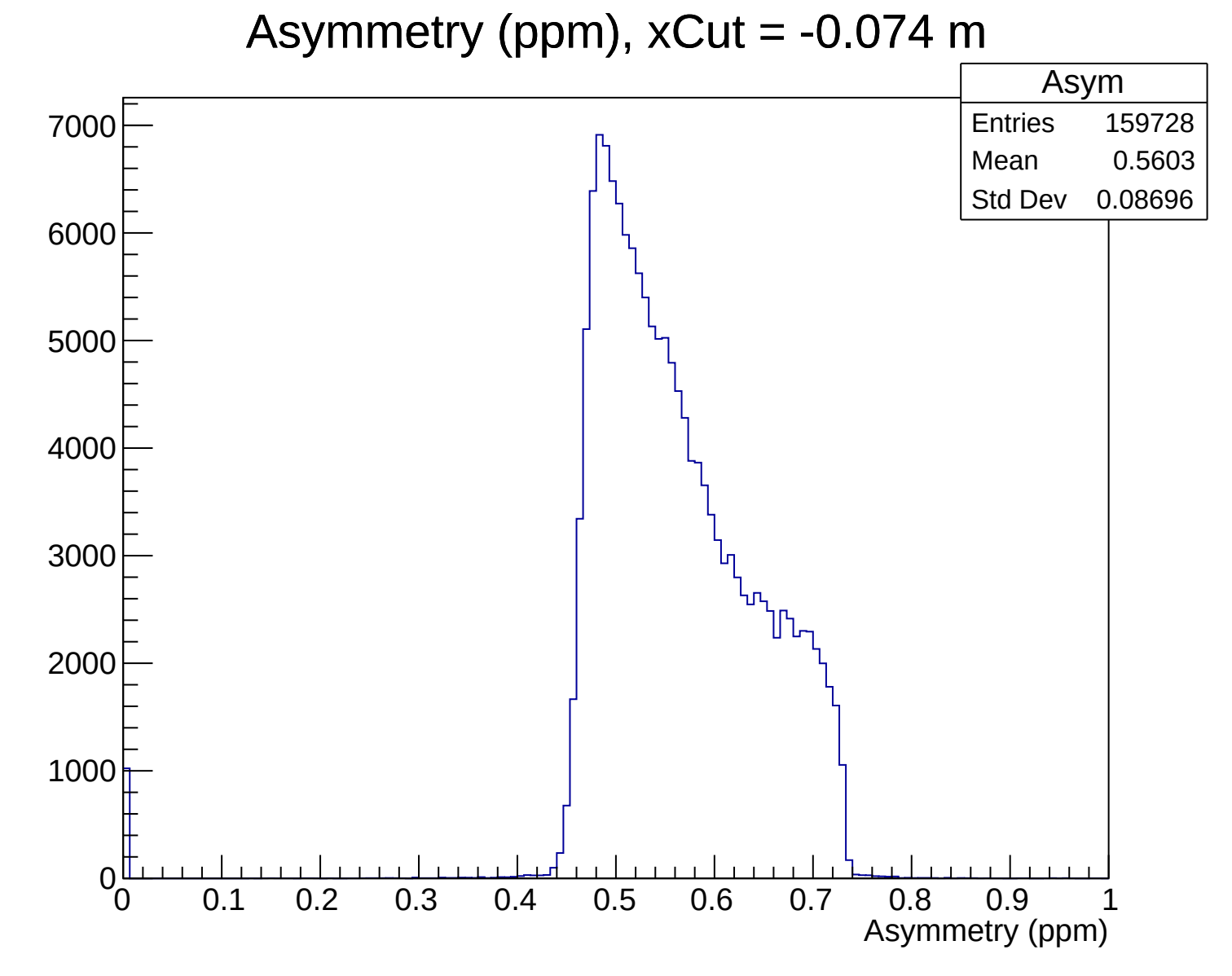

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

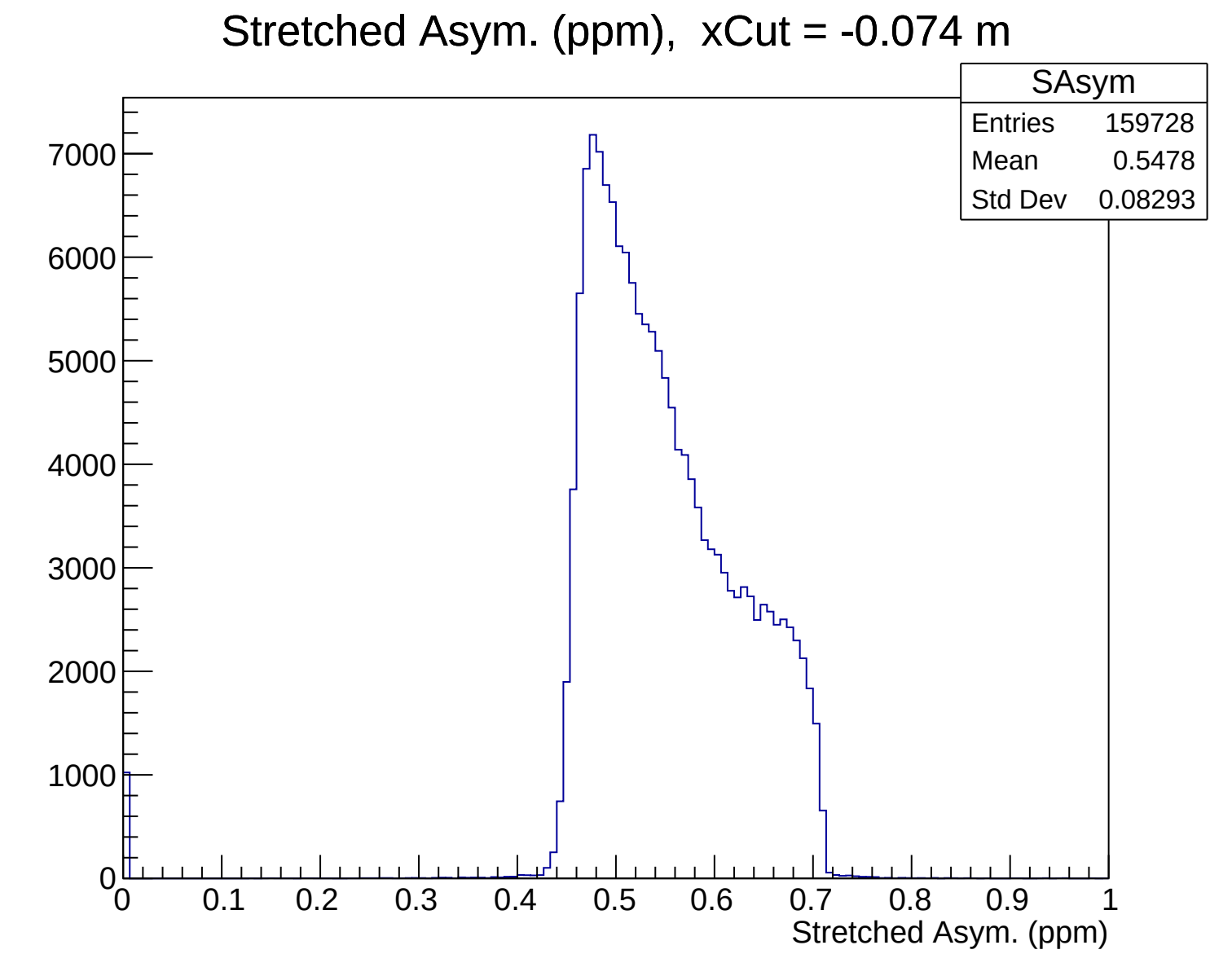

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

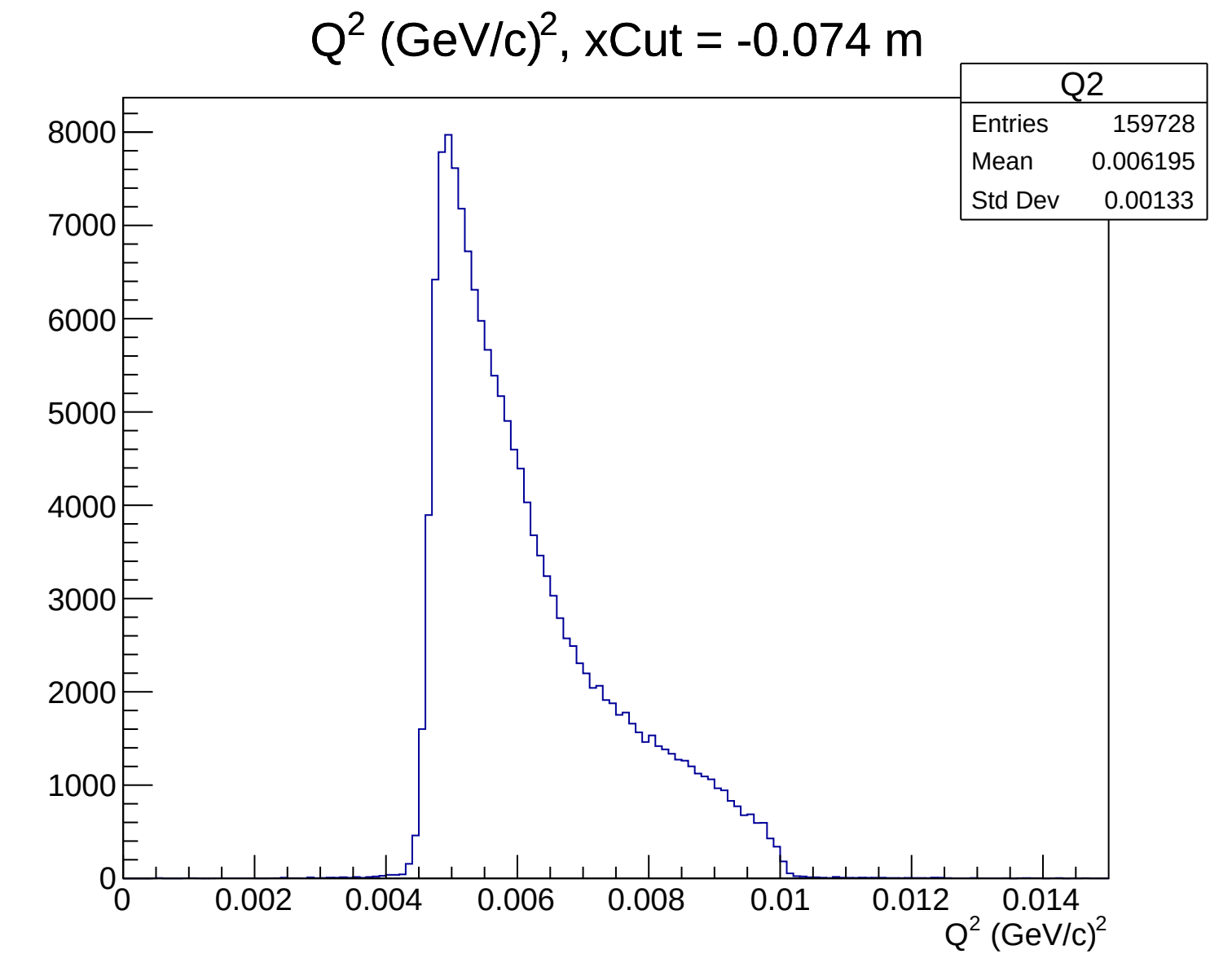

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.074
L.tr.x[0]+1.3*L.tr.th[0] (m)

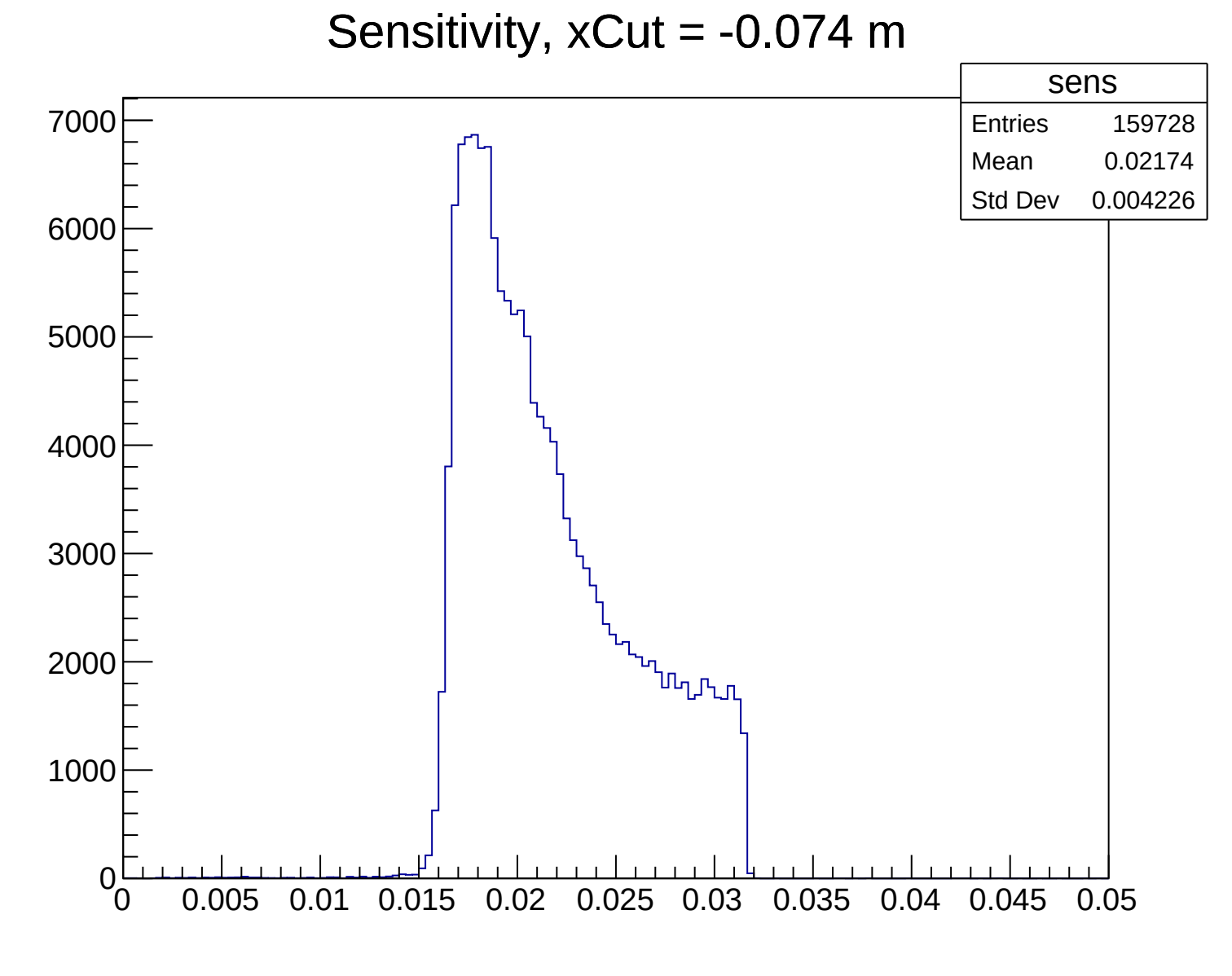

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

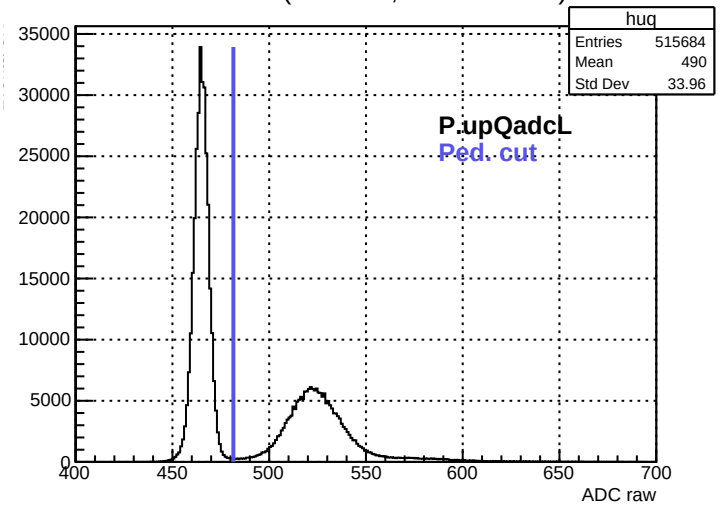

θlab (deg), xCut = -0.074 m
Theta
Entries 159728
Mean 4.733
Std Dev 0.4936
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

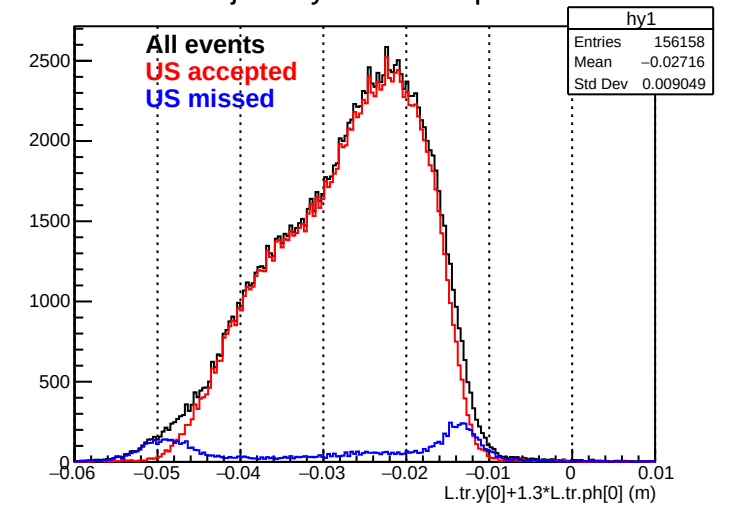

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 159728
Mean 0.5603
Std Dev 0.08696
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

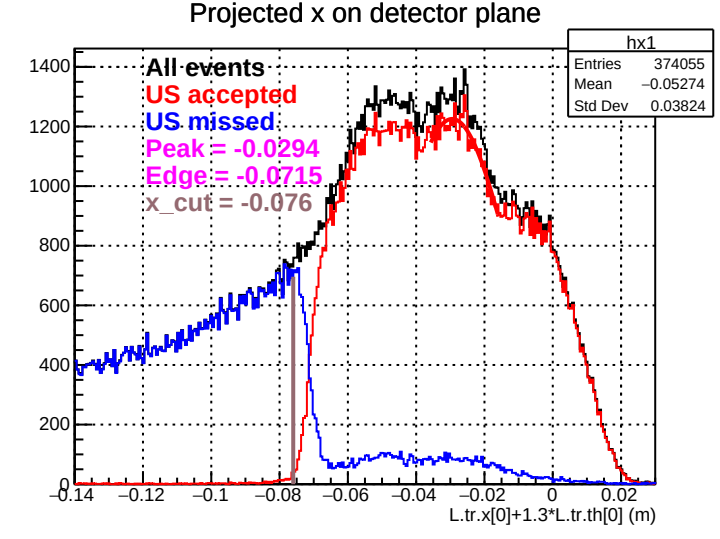

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 159728
Mean 0.5478
Std Dev 0.08293
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

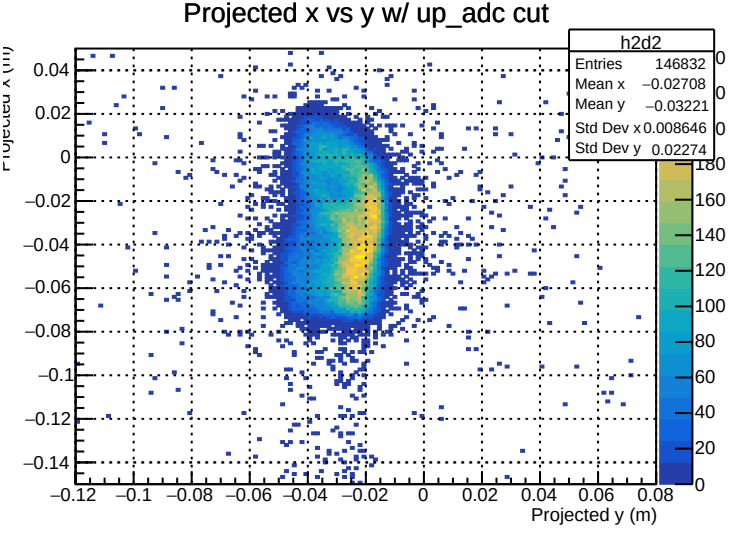

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 159728
Mean 0.006195
Std Dev 0.00133
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

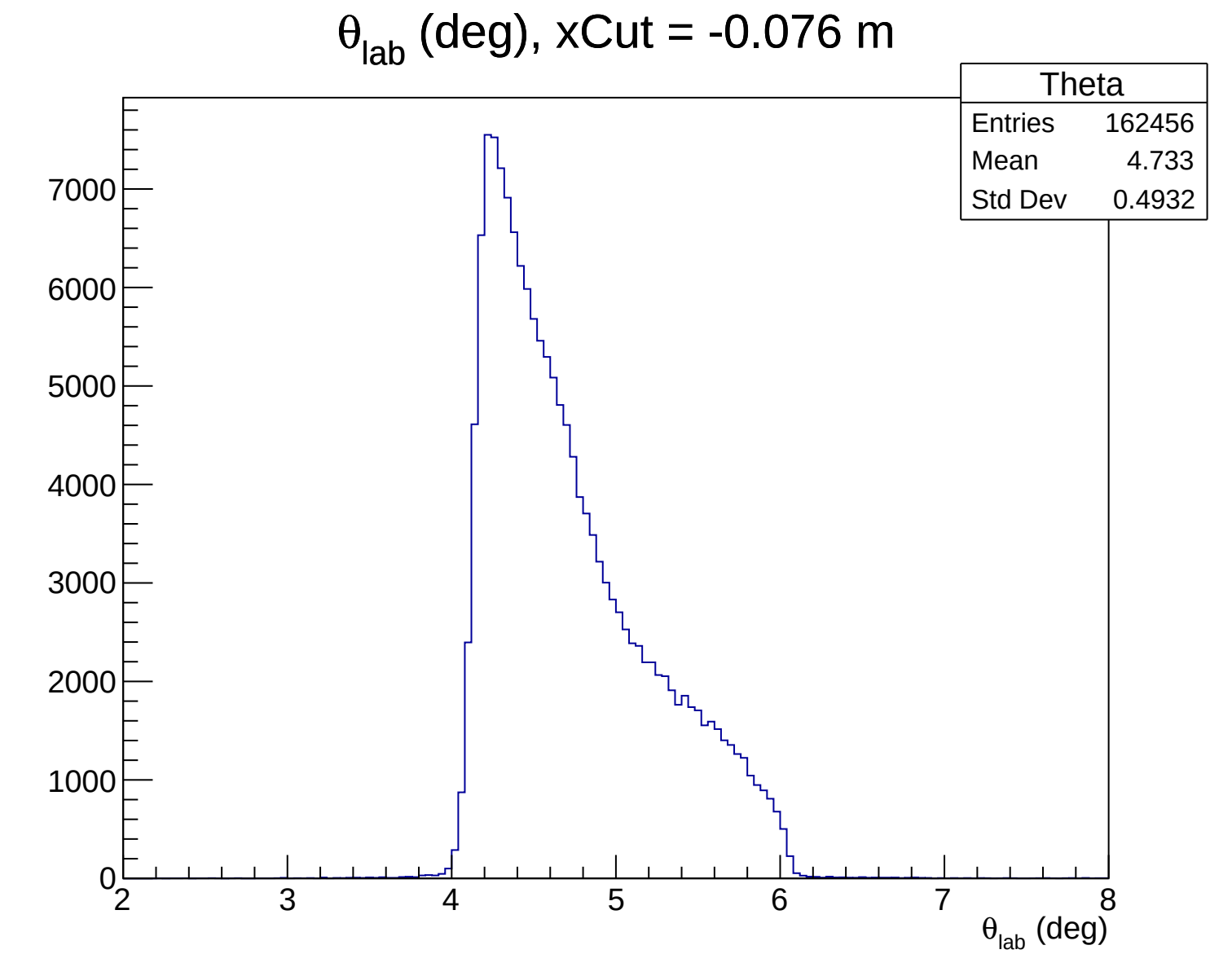

Sensitivity, xCut = -0.074 m
sens
Entries 159728
Mean 0.02174
Std Dev 0.004226
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

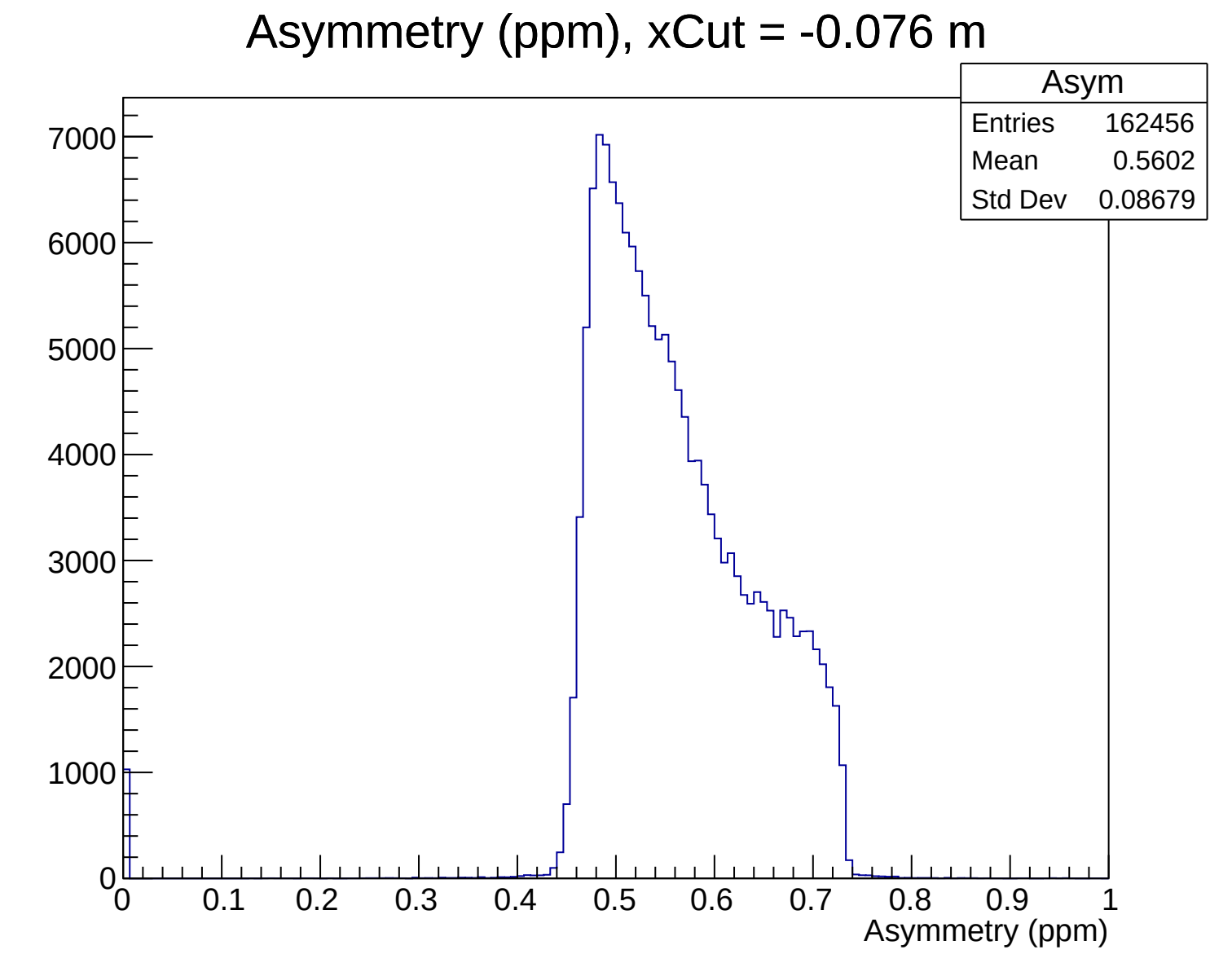

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

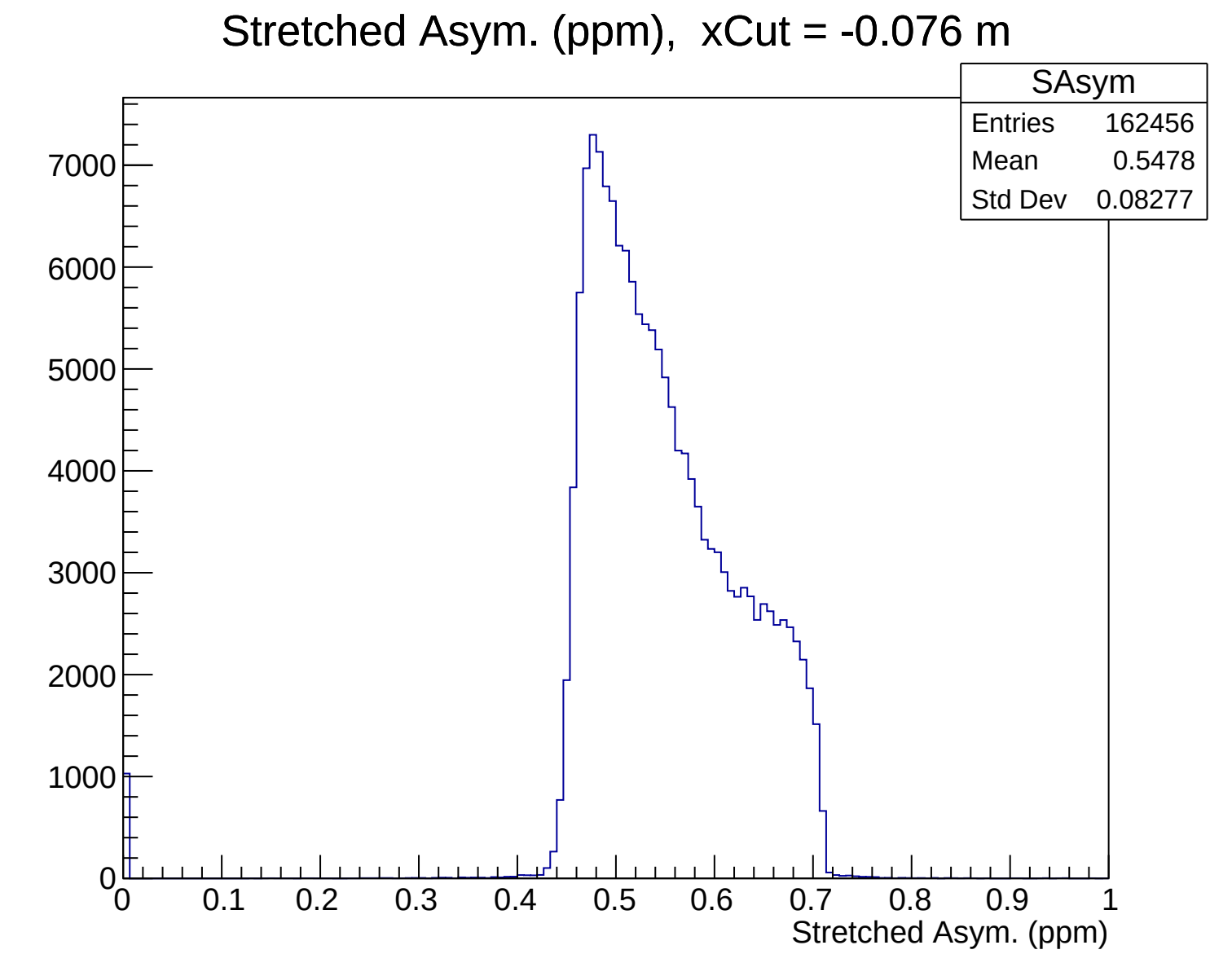

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

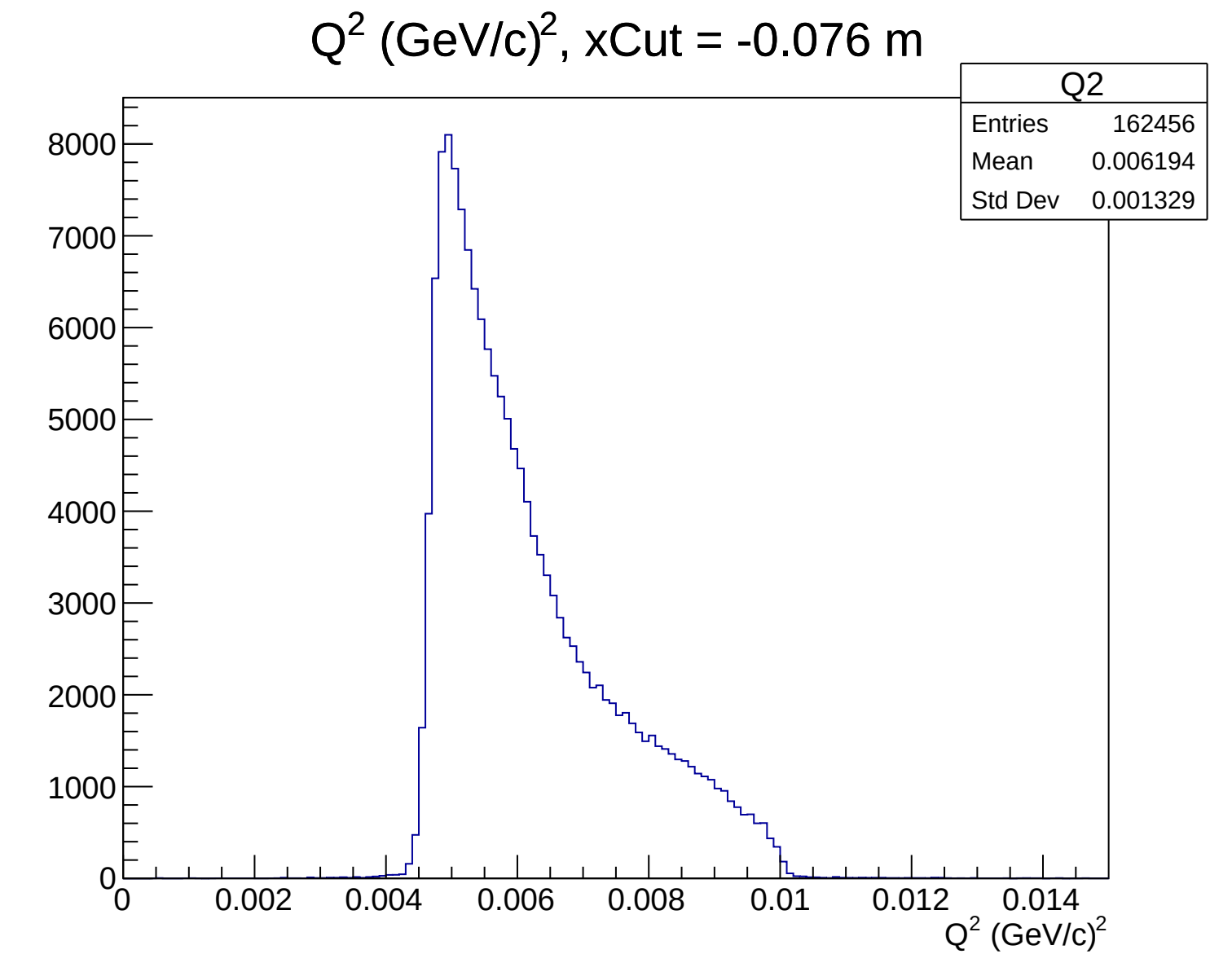

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.076
L.tr.x[0]+1.3*L.tr.th[0] (m)

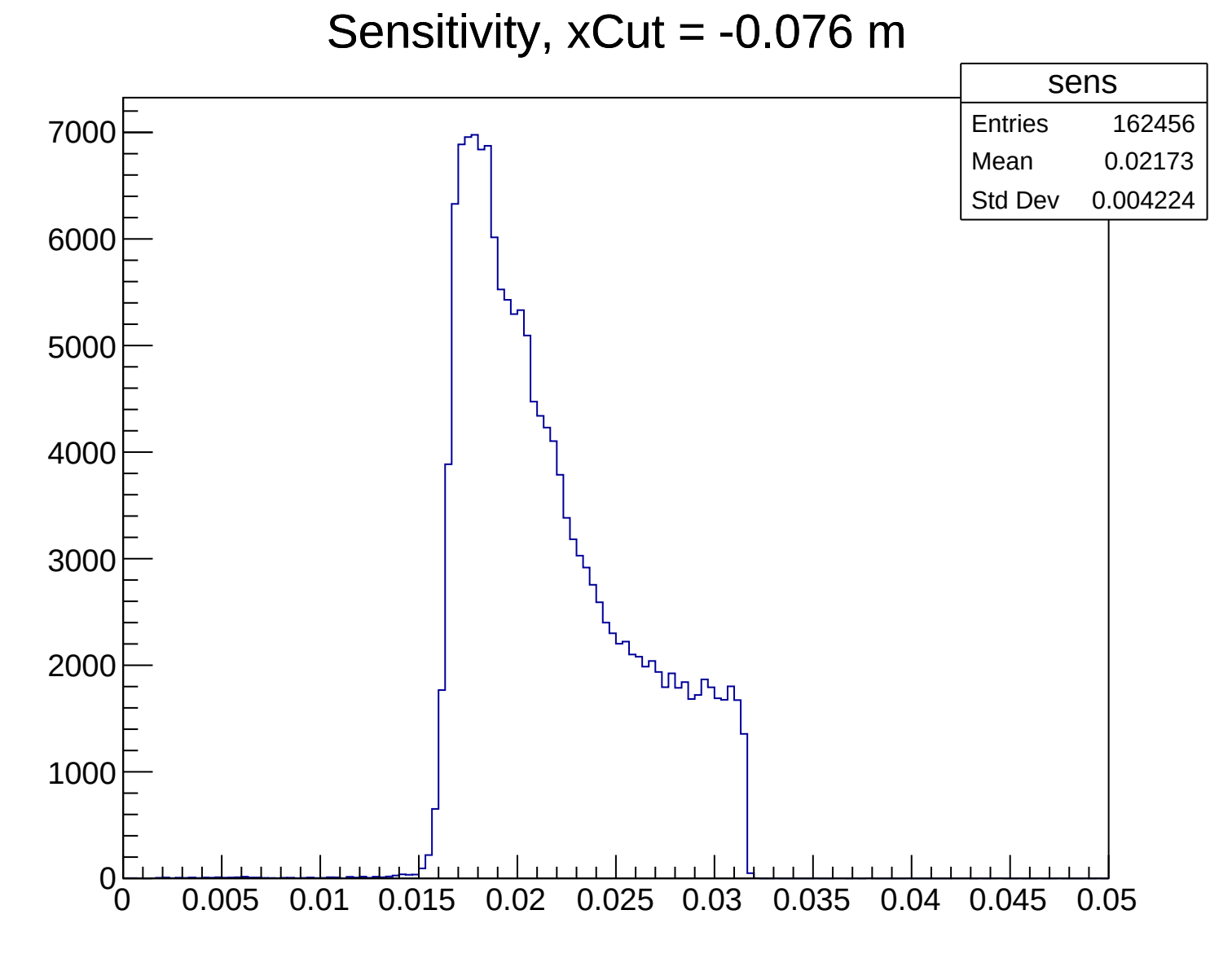

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

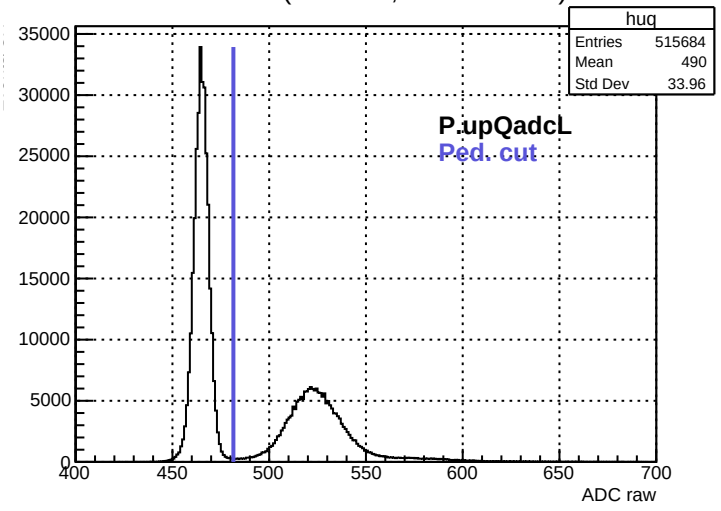

θlab (deg), xCut = -0.076 m
Theta
Entries 162456
Mean 4.733
Std Dev 0.4932
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

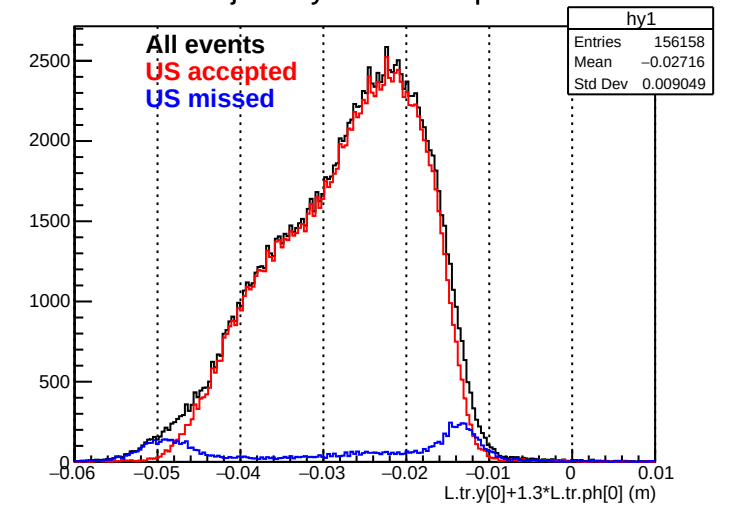

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 162456
Mean 0.5602
Std Dev 0.08679
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

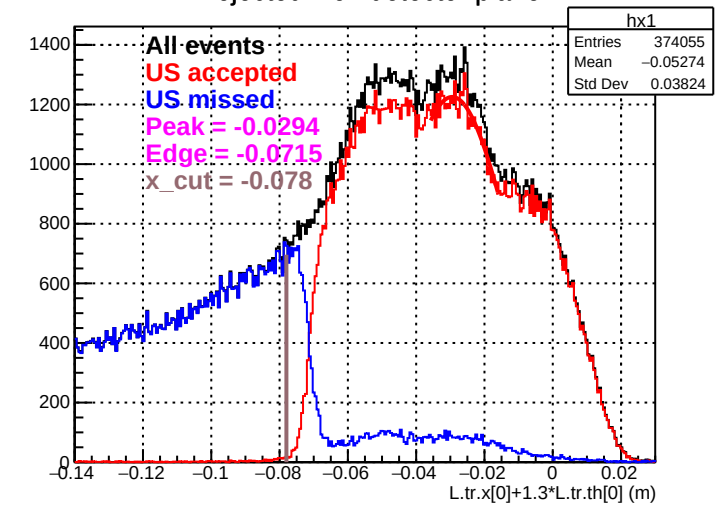

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 162456
Mean 0.5478
Std Dev 0.08277
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

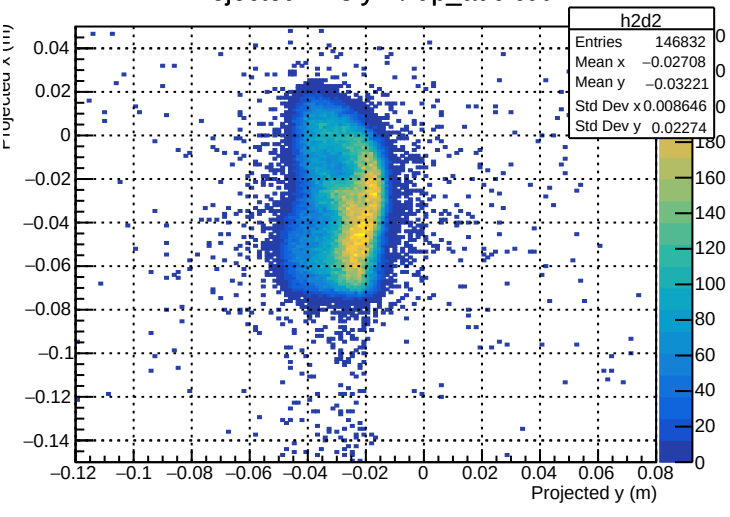

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 162456
Mean 0.006194
Std Dev 0.001329
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

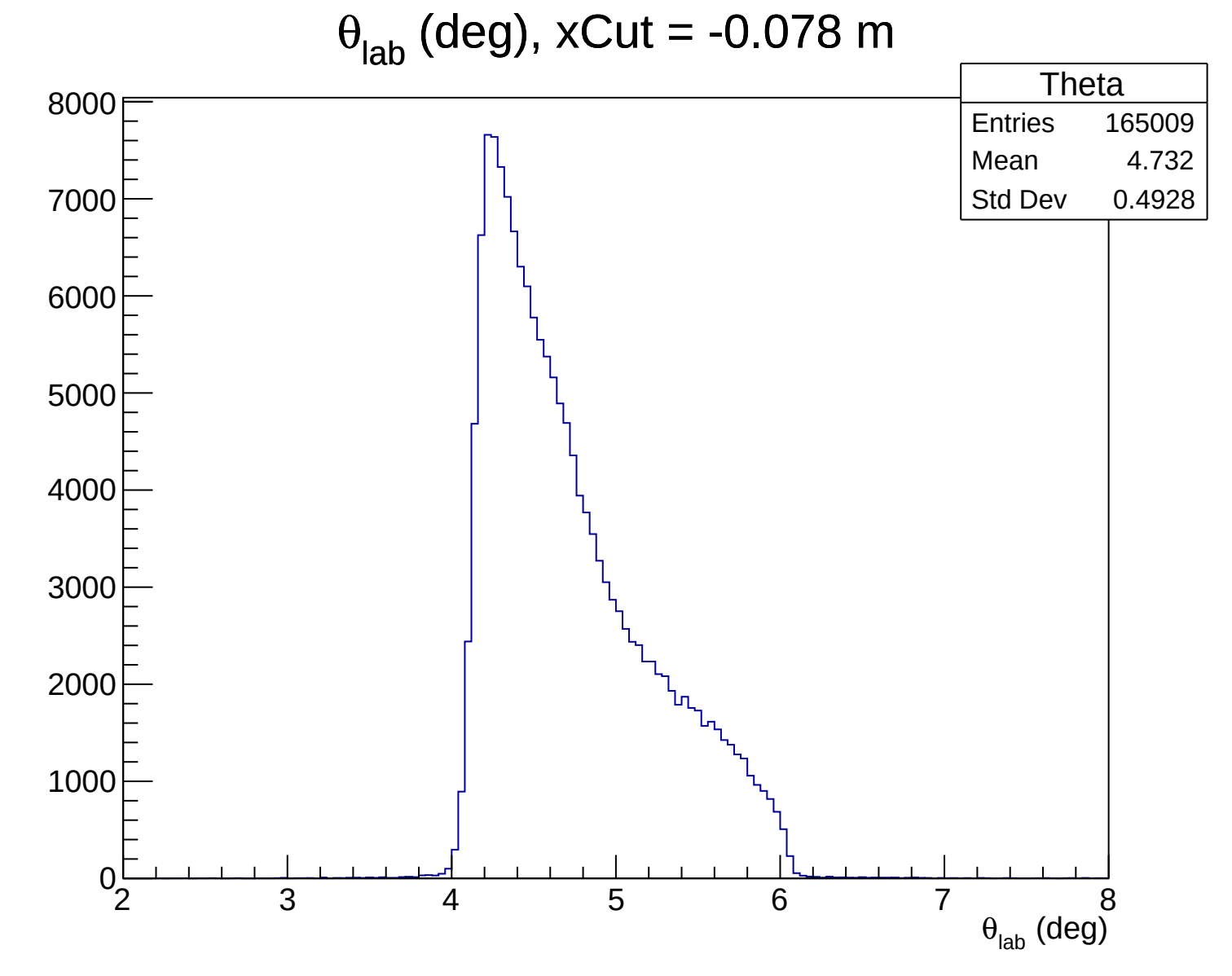

Sensitivity, xCut = -0.076 m
sens
Entries 162456
Mean 0.02173
Std Dev 0.004224
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

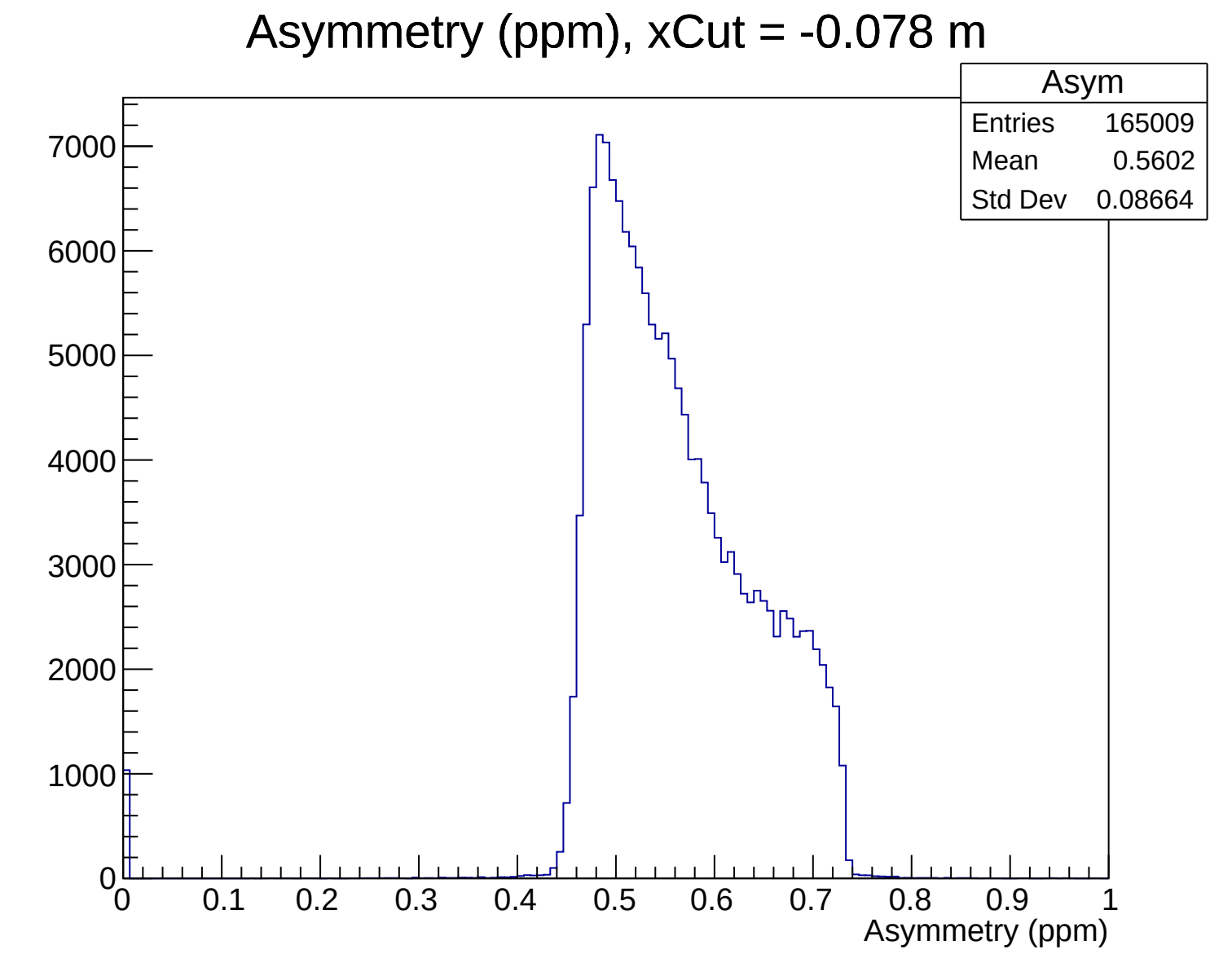

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

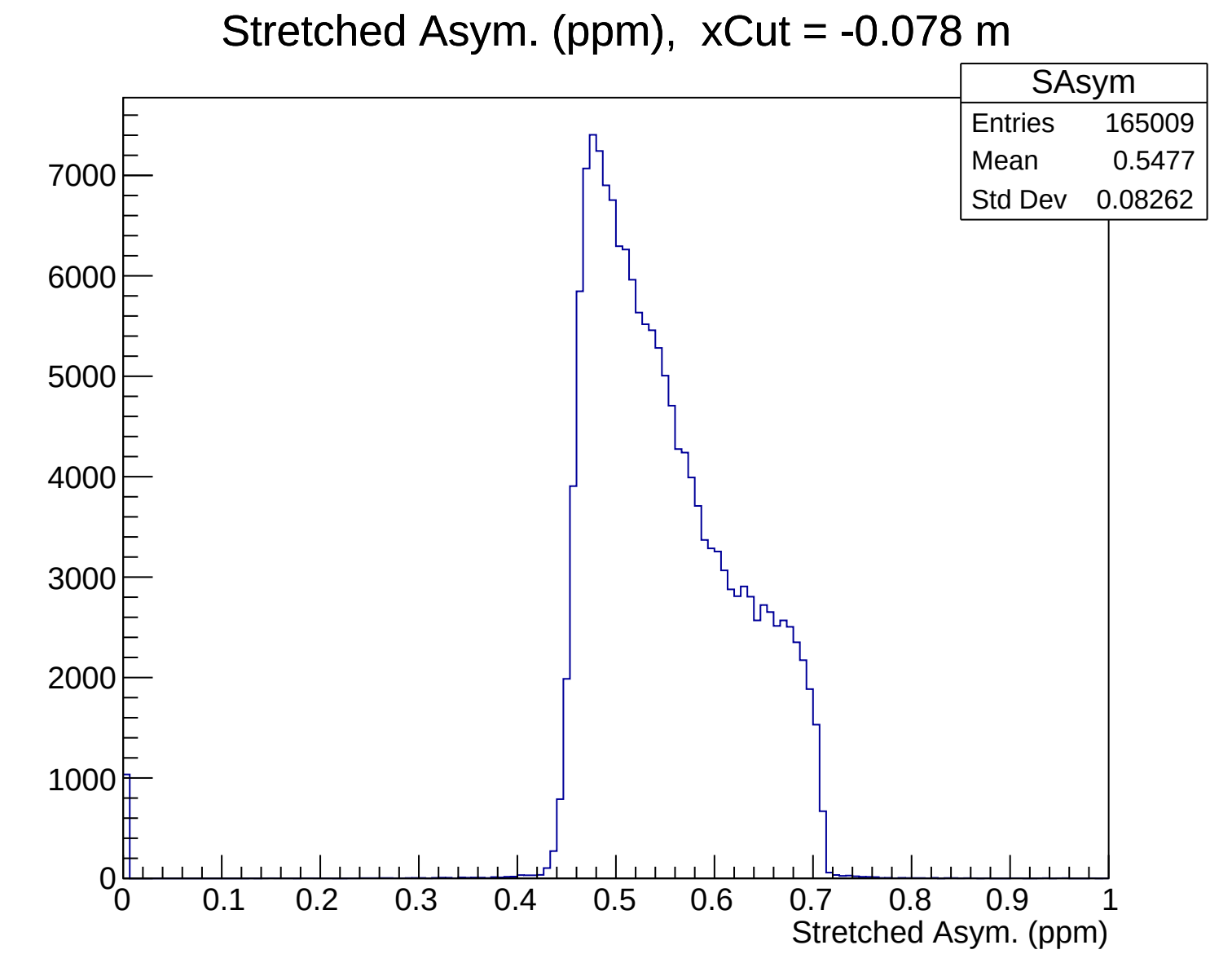

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

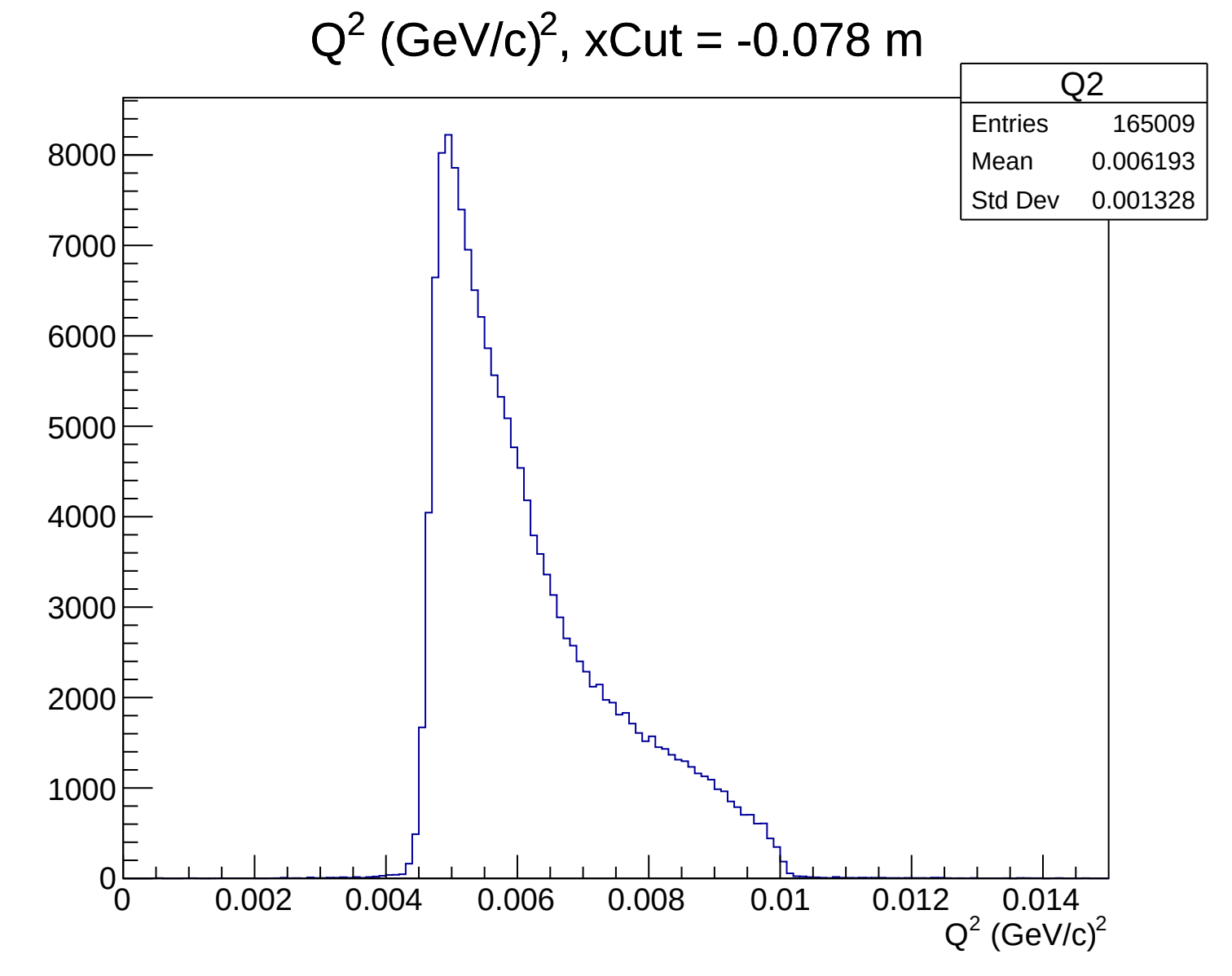

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.078
L.tr.x[0]+1.3*L.tr.th[0] (m)

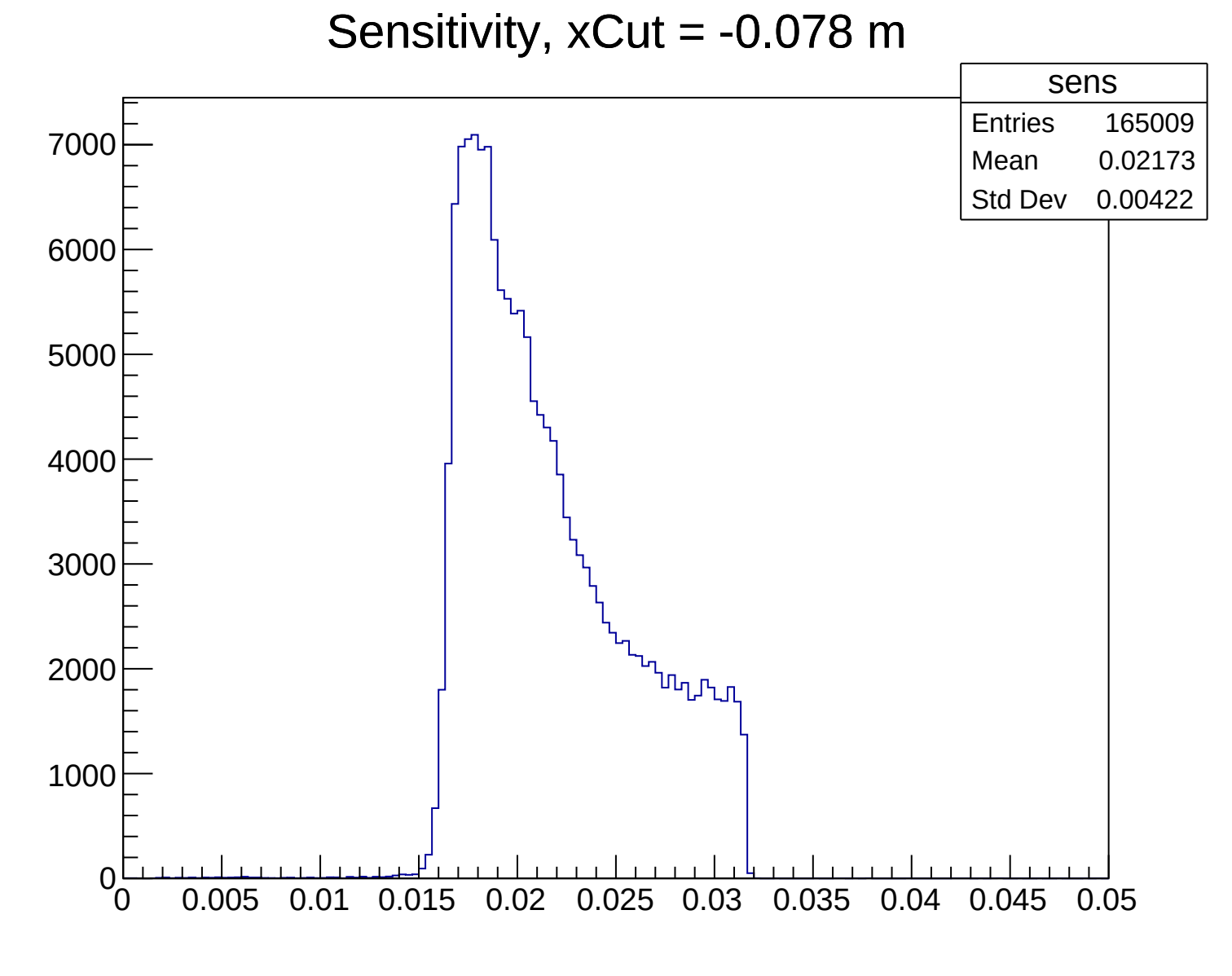

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

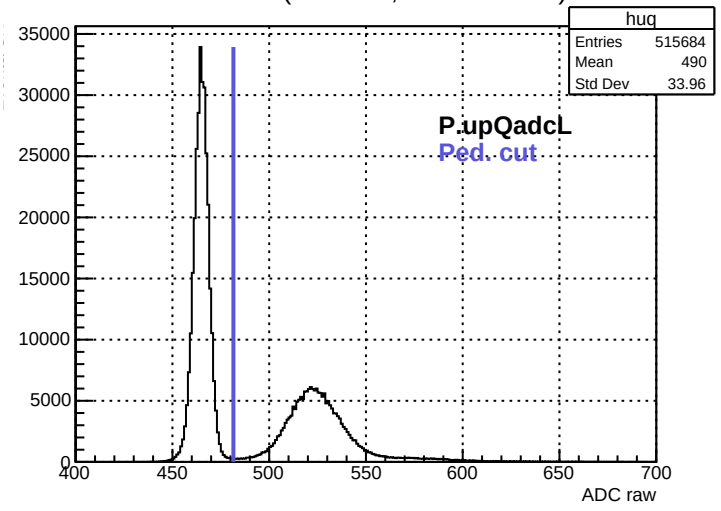

θlab (deg), xCut = -0.078 m
Theta
Entries 165009
Mean 4.732
Std Dev 0.4928
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

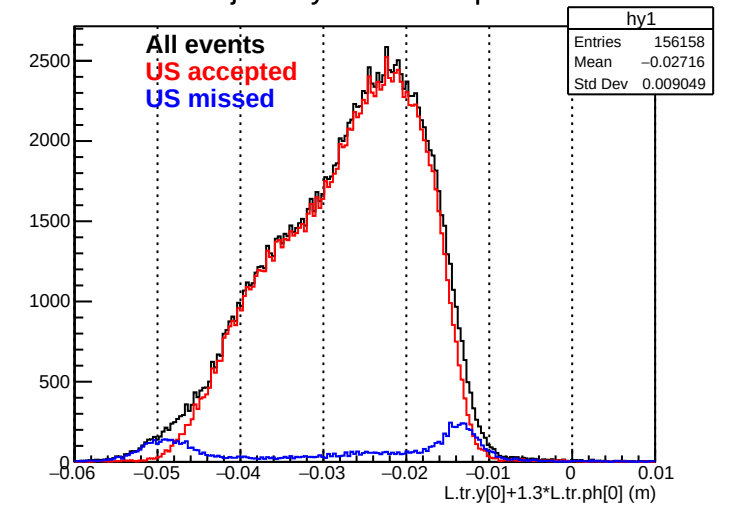

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 165009
Mean 0.5602
Std Dev 0.08664
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

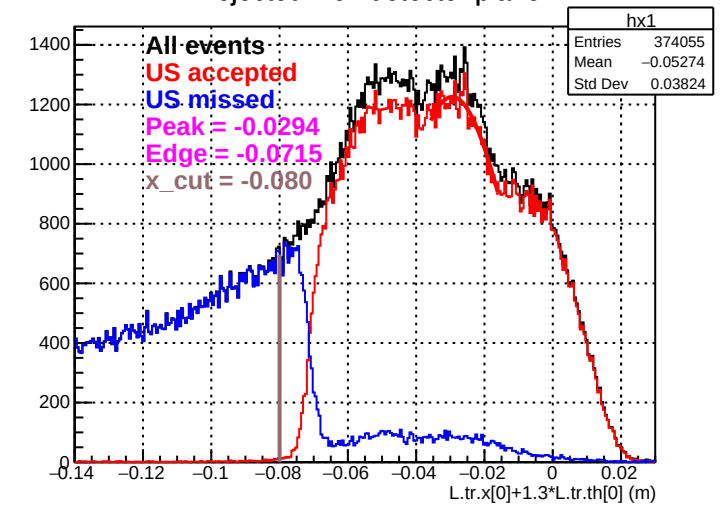

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 165009
Mean 0.5477
Std Dev 0.08262
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

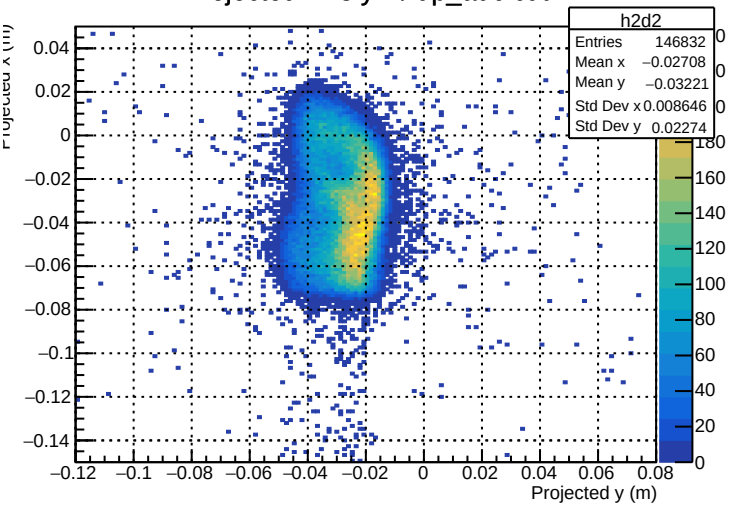

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 165009
Mean 0.006193
Std Dev 0.001328
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

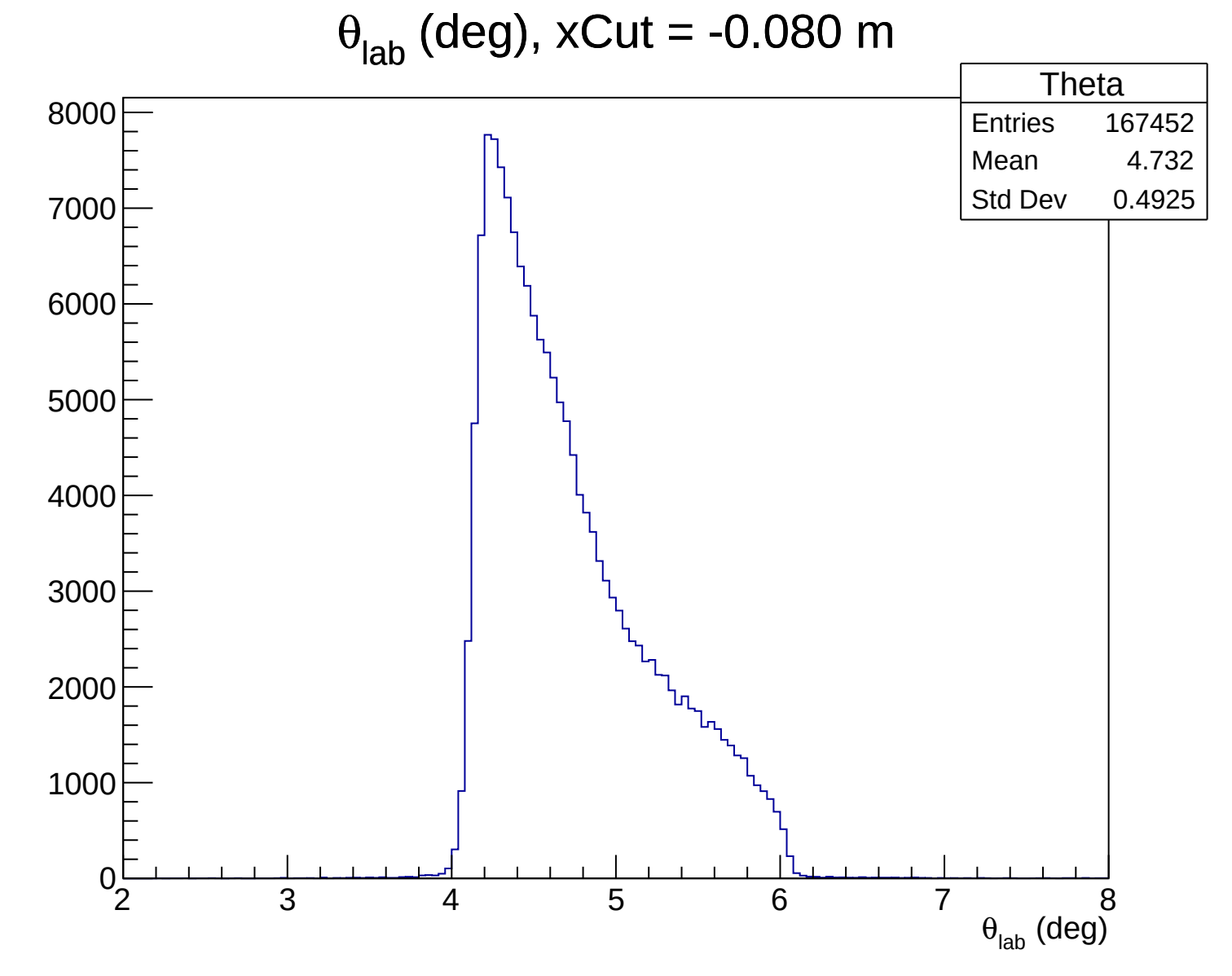

Sensitivity, xCut = -0.078 m
sens
Entries 165009
Mean 0.02173
Std Dev 0.00422
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

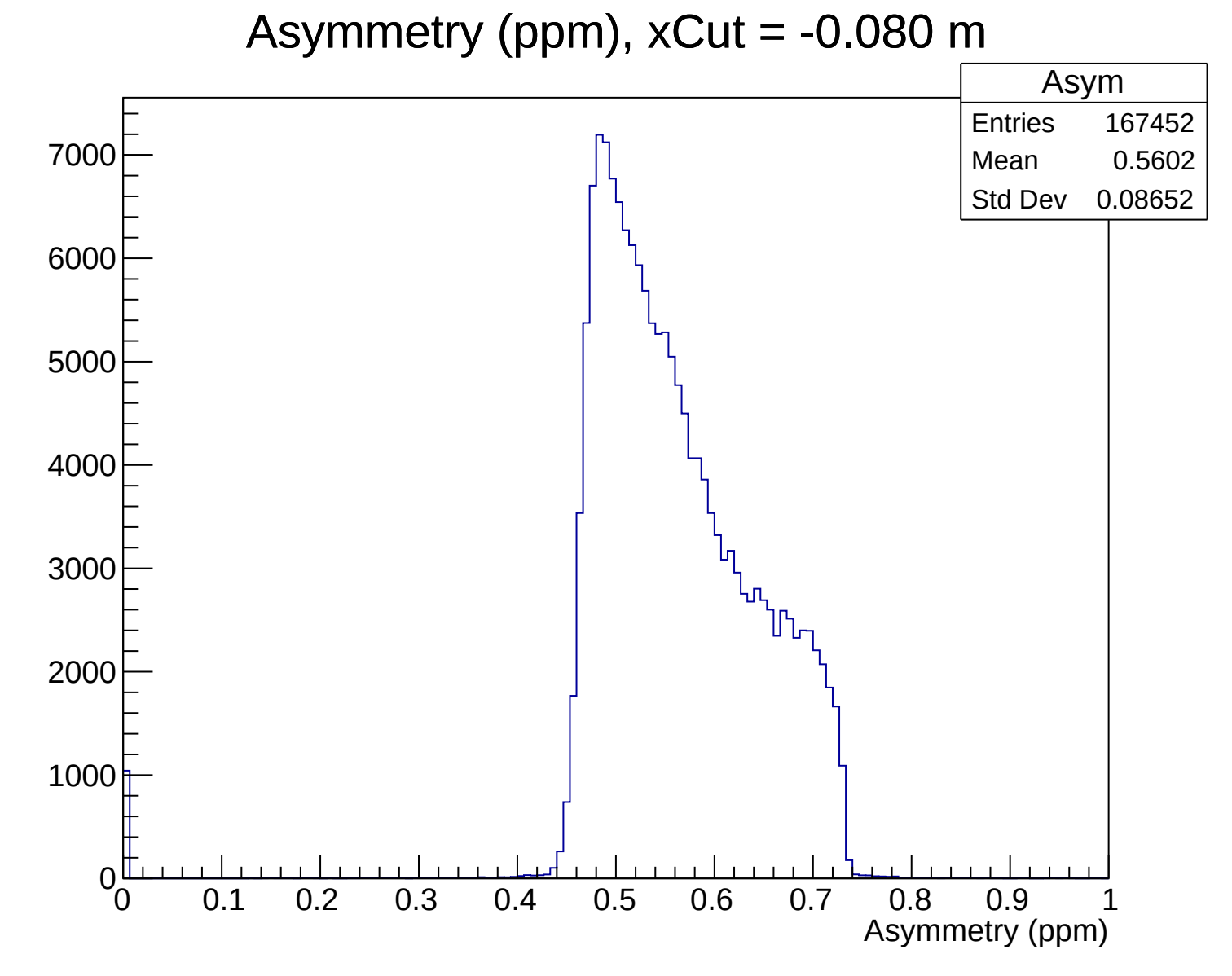

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

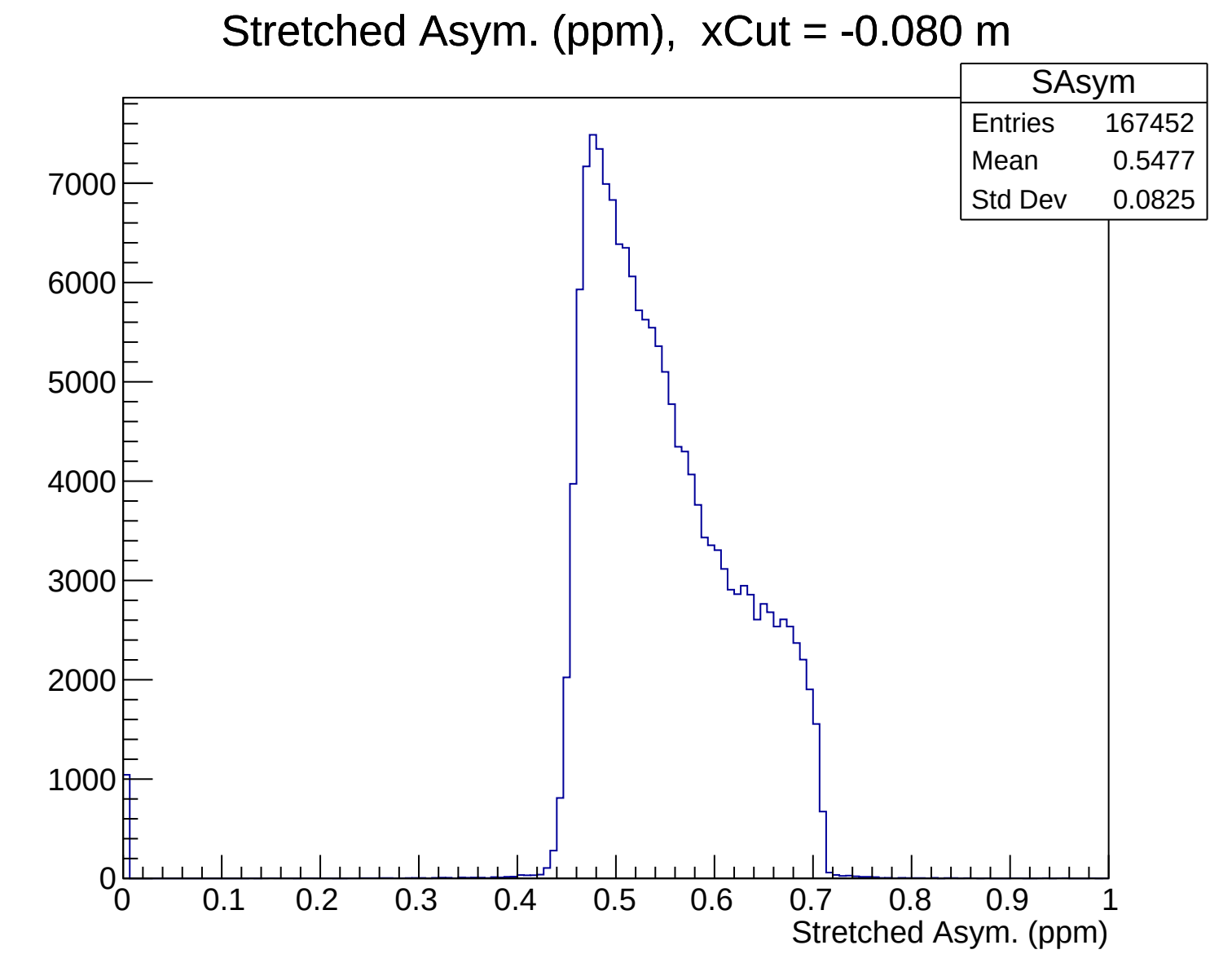

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

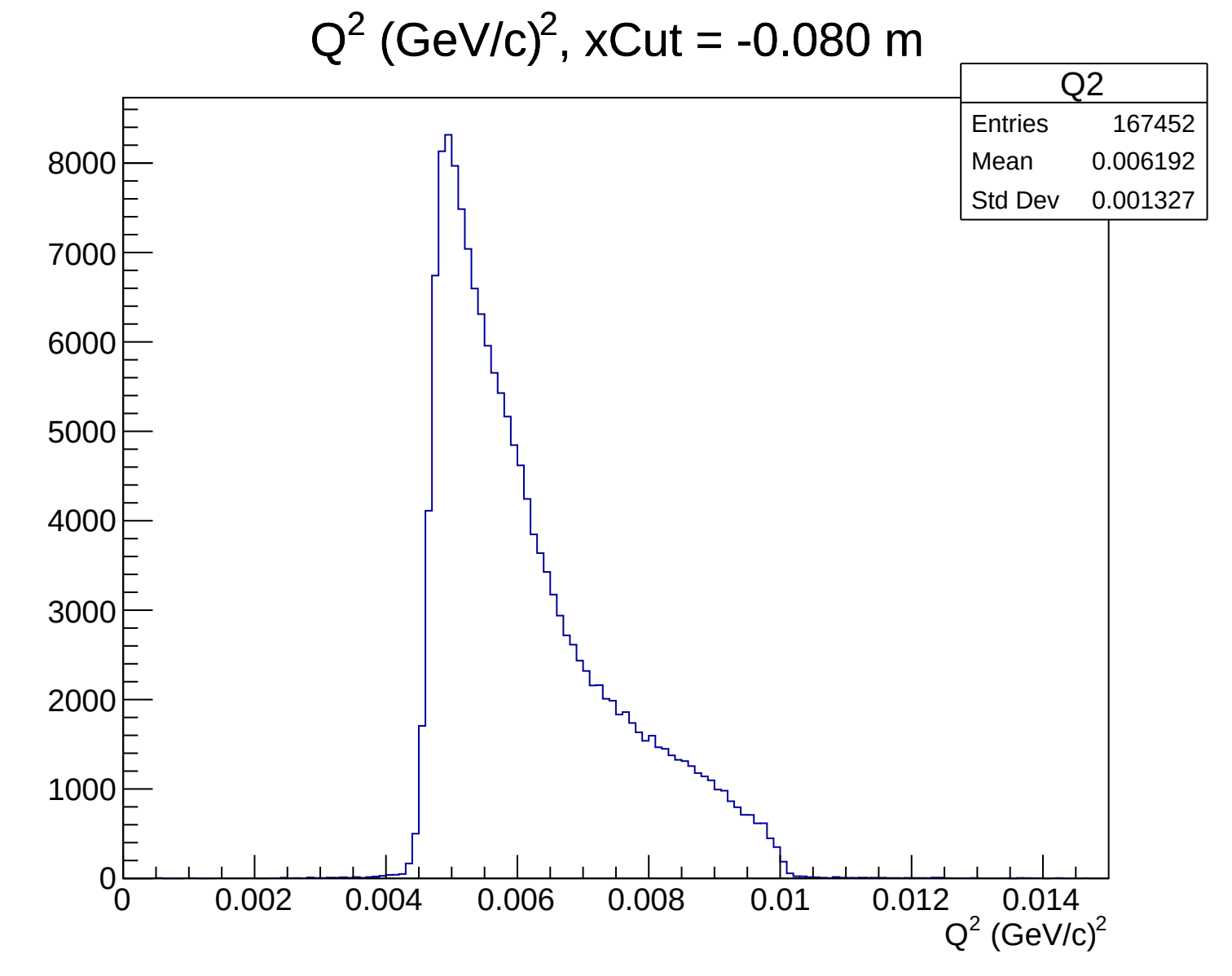

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

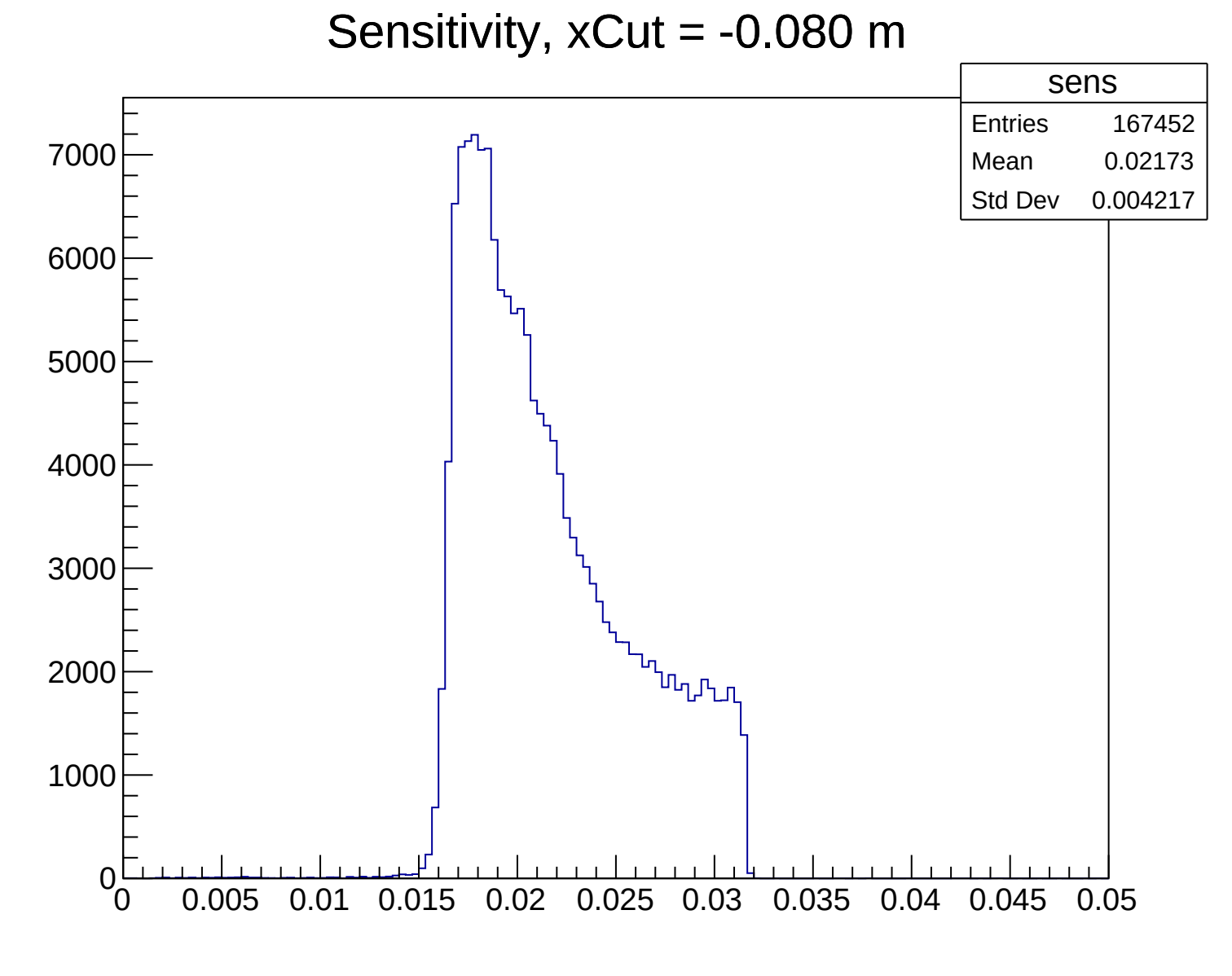

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

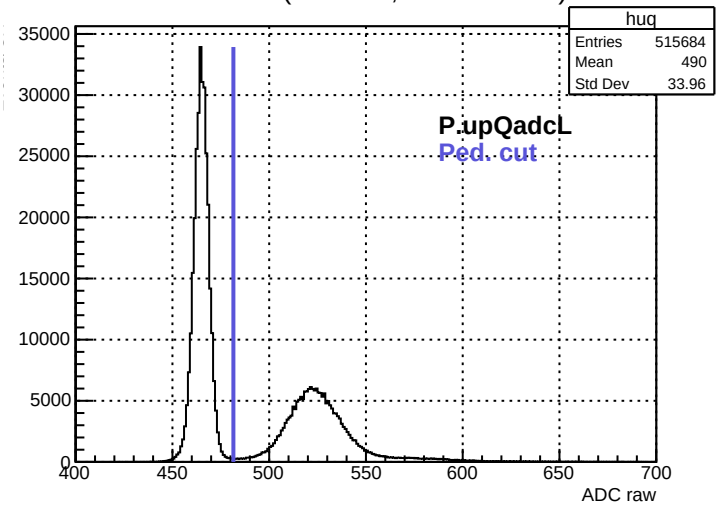

θlab (deg), xCut = -0.080 m
Theta
Entries 167452
Mean 4.732
Std Dev 0.4925
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

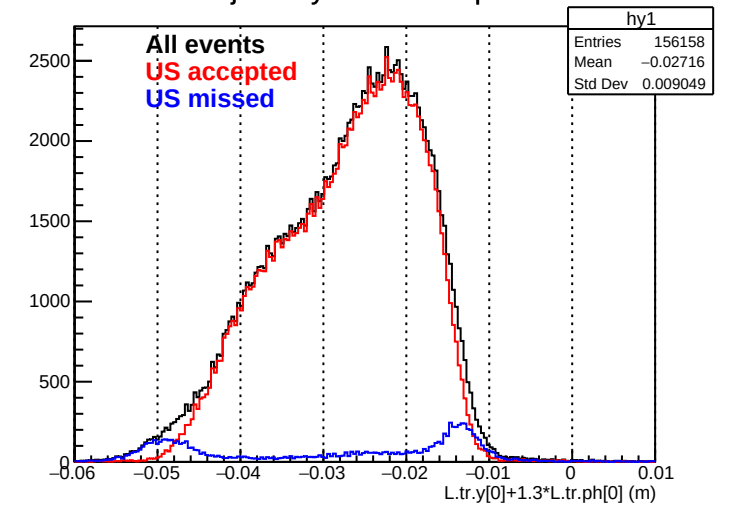

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 167452
Mean 0.5602
Std Dev 0.08652
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

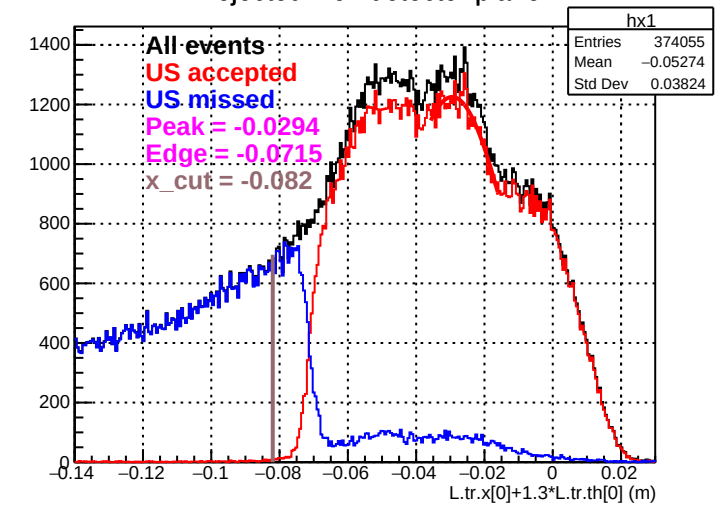

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 167452
Mean 0.5477
Std Dev 0.0825
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

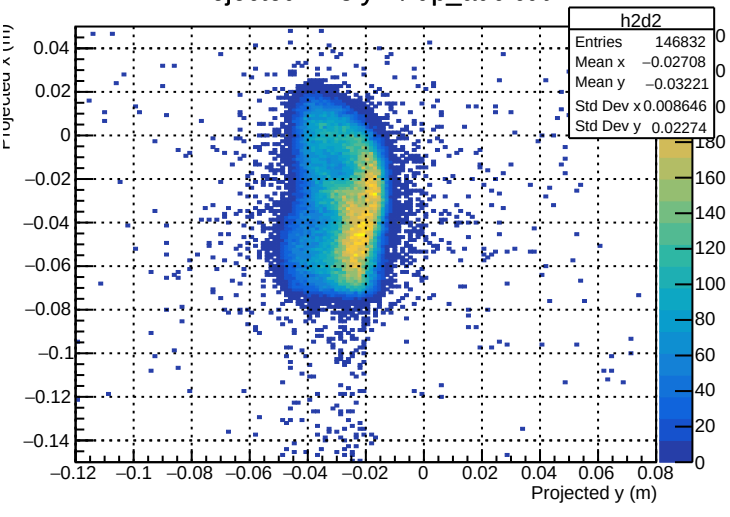

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 167452
Mean 0.006192
Std Dev 0.001327
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

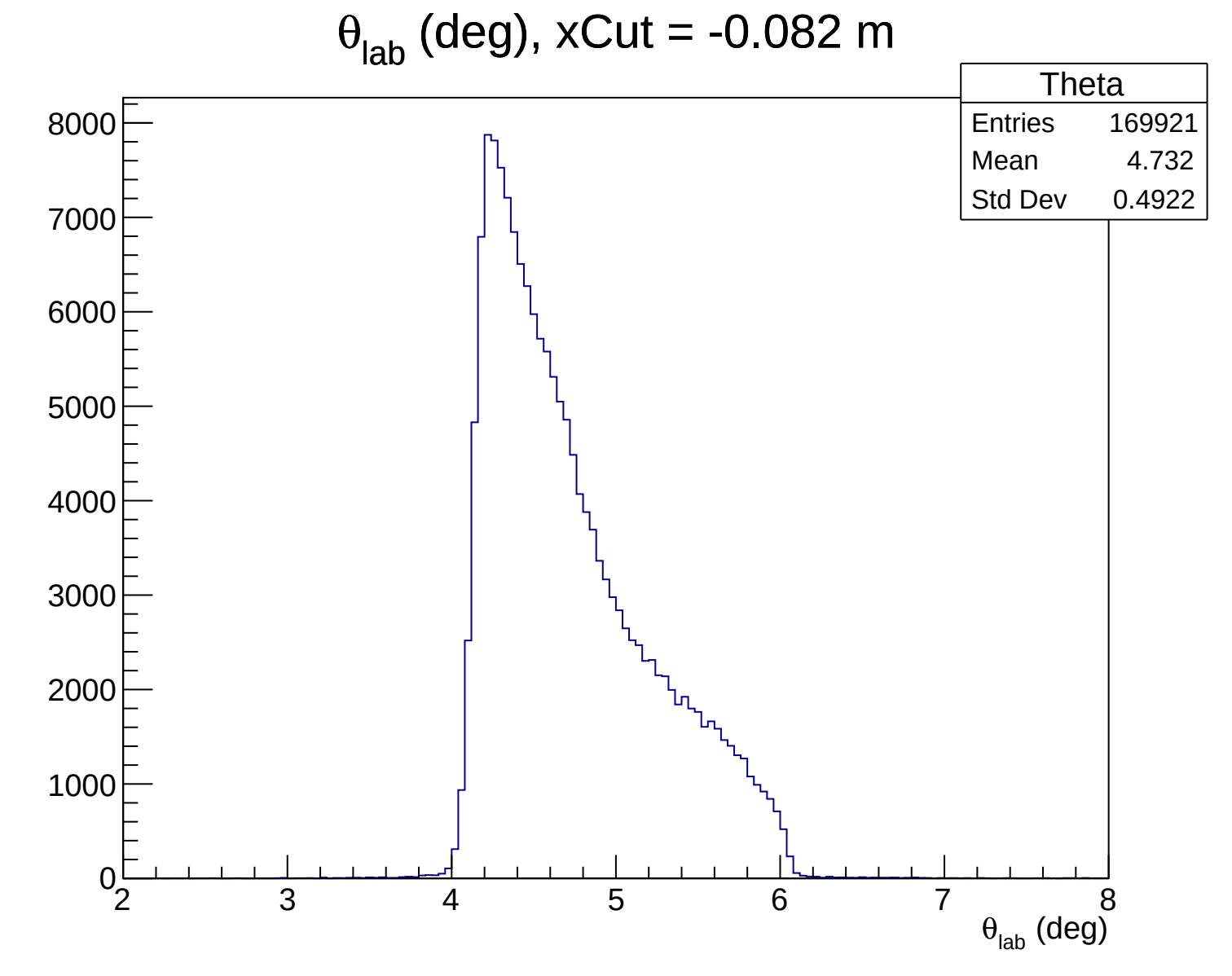

Sensitivity, xCut = -0.080 m
sens
Entries 167452
Mean 0.02173
Std Dev 0.004217
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

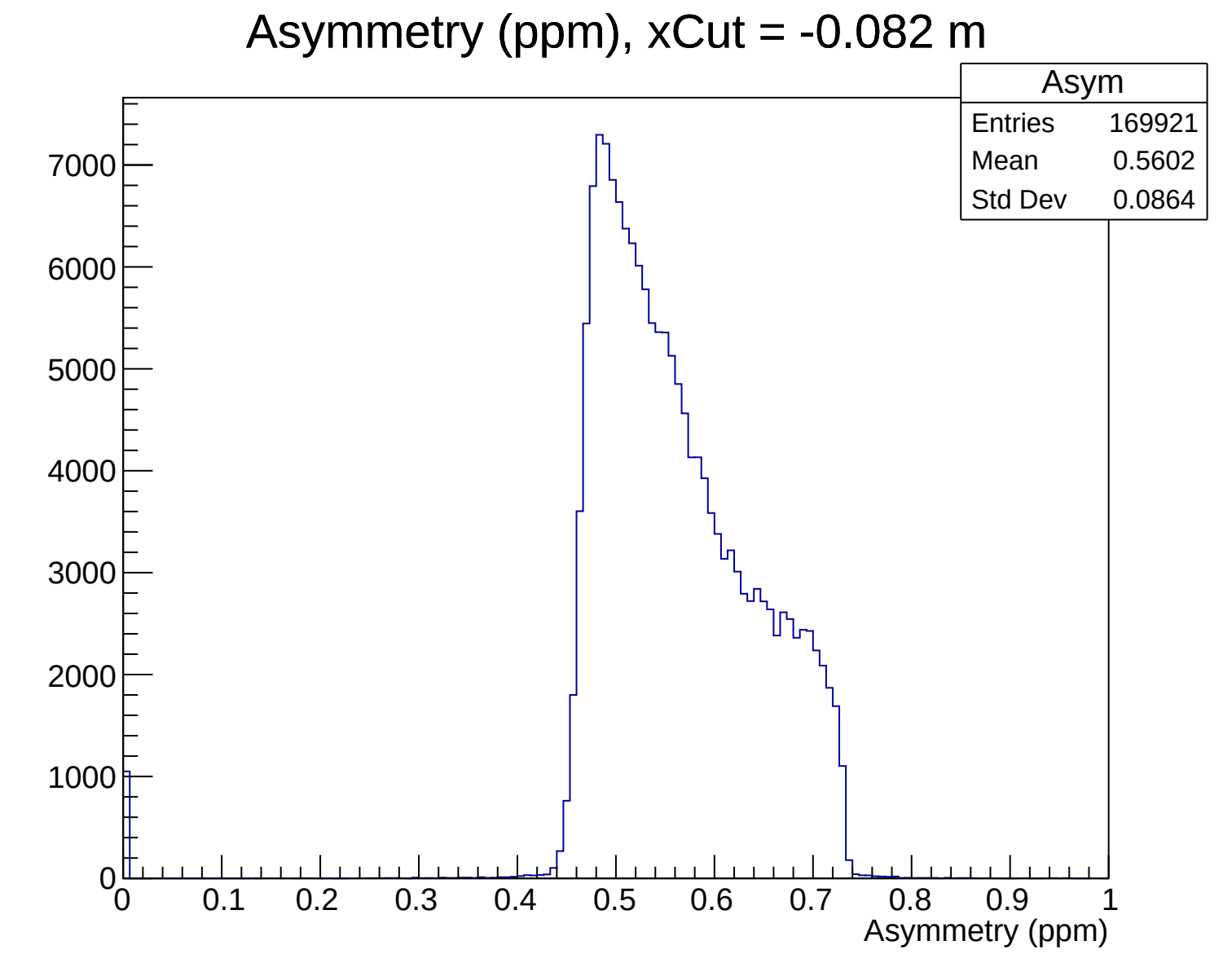

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

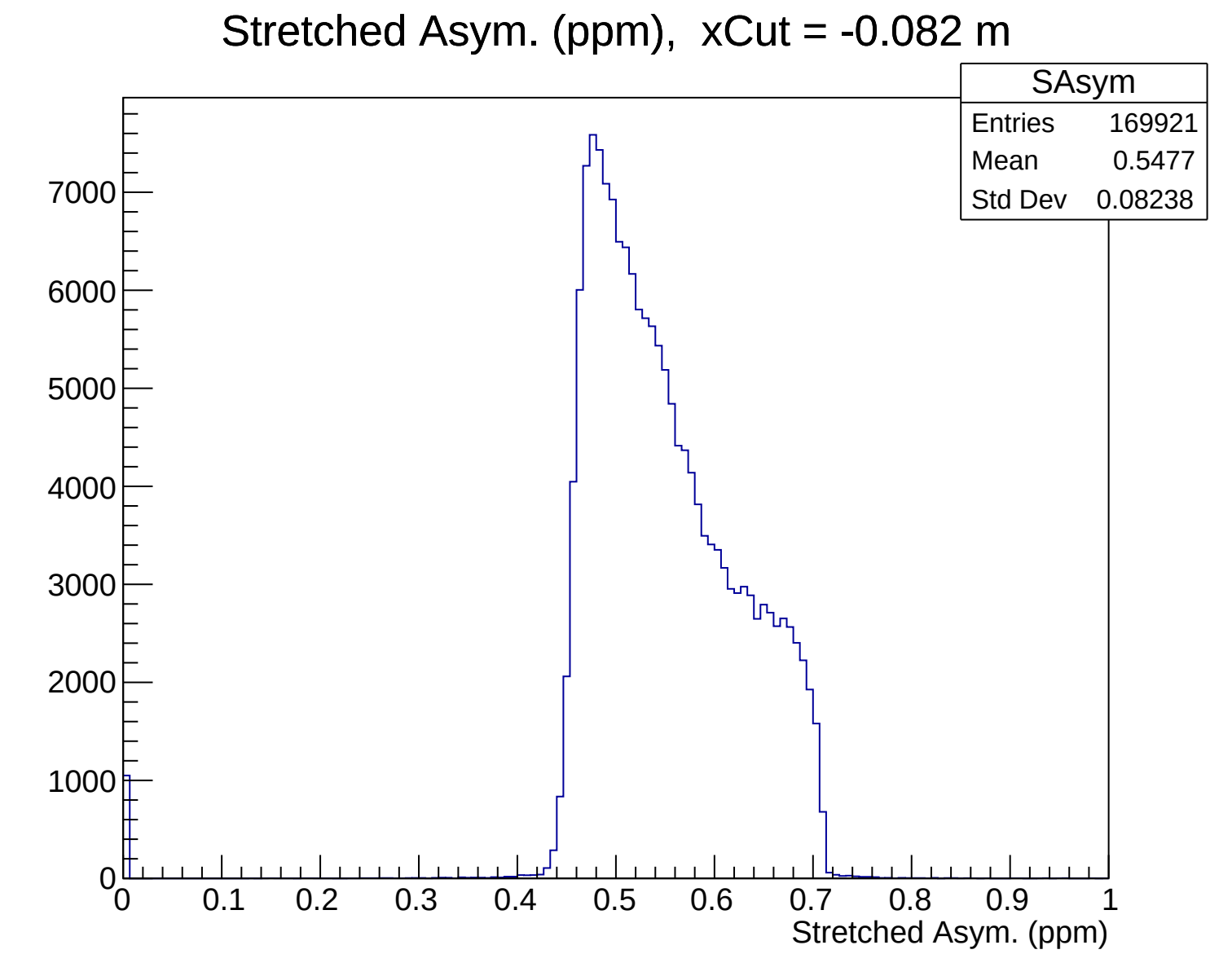

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

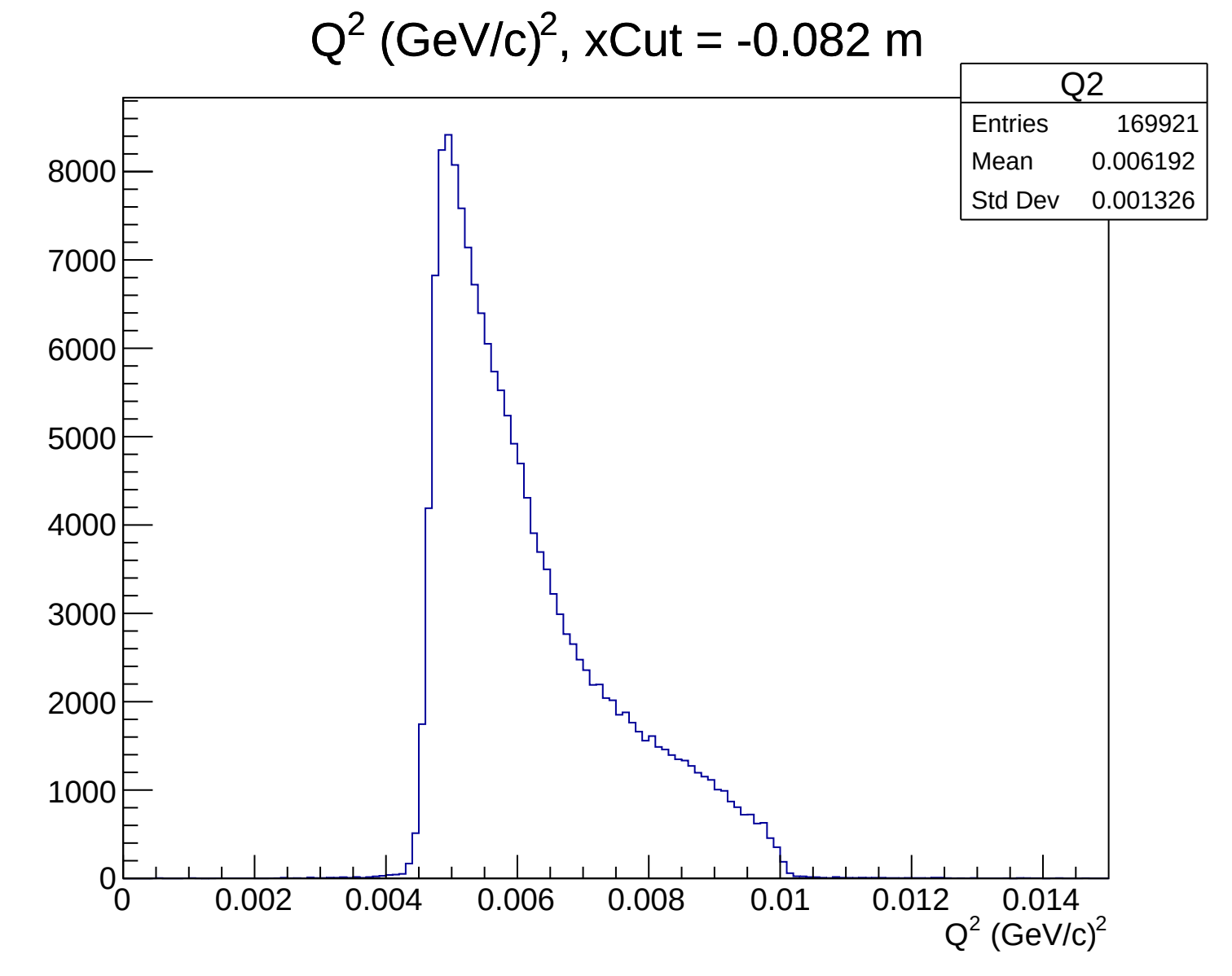

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.082
L.tr.x[0]+1.3*L.tr.th[0] (m)

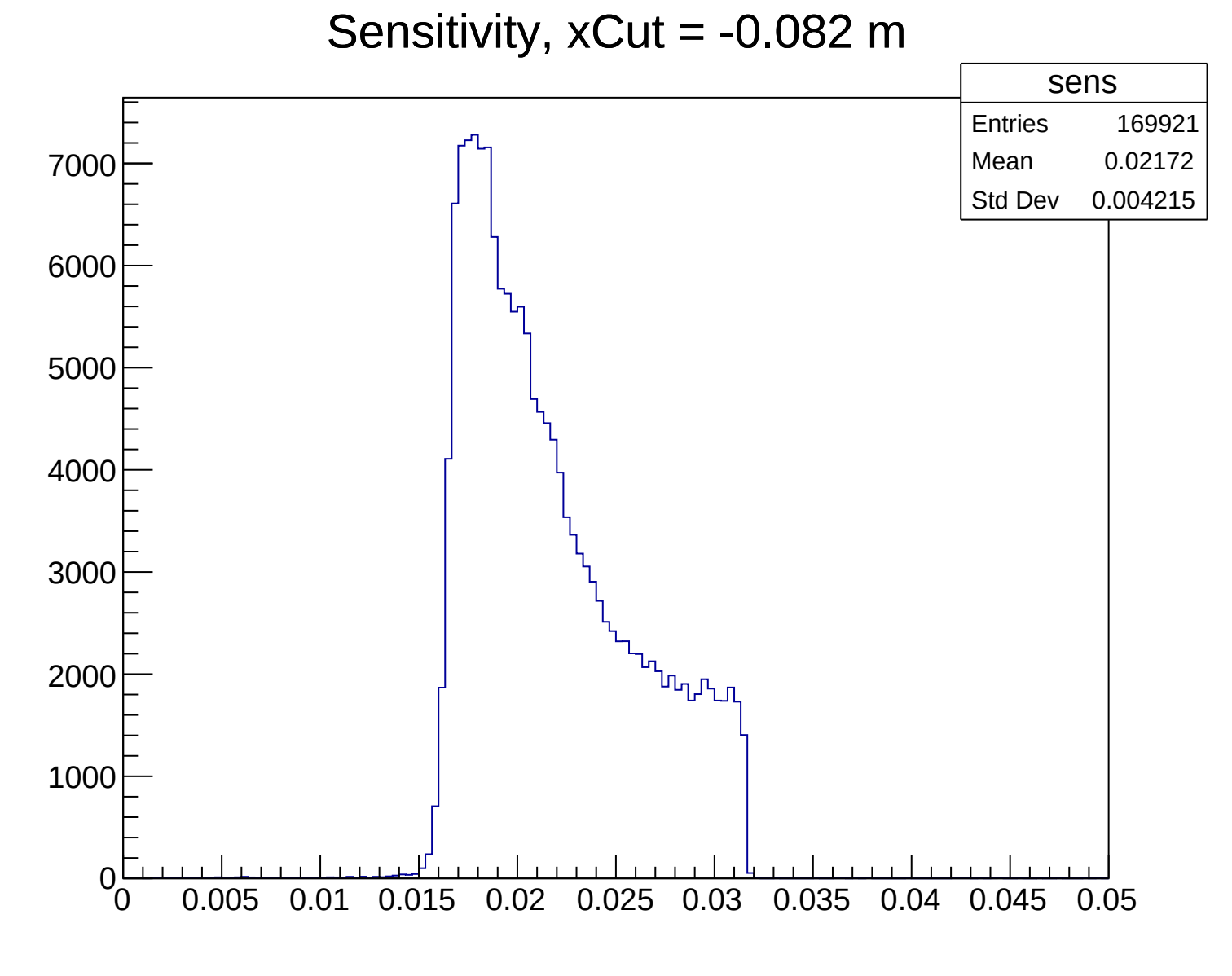

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

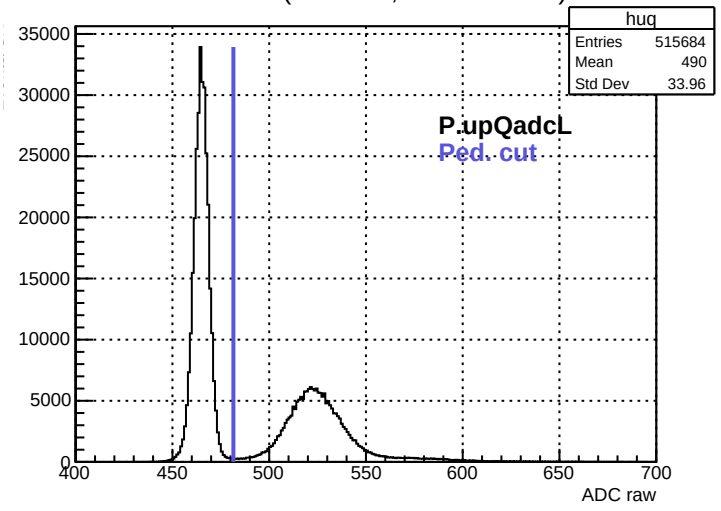

θlab (deg), xCut = -0.082 m
Theta
Entries 169921
Mean 4.732
Std Dev 0.4922
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

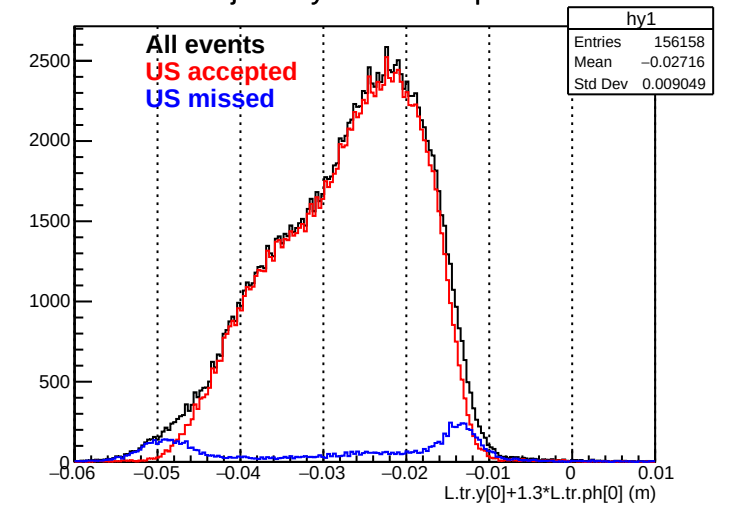

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 169921
Mean 0.5602
Std Dev 0.0864
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

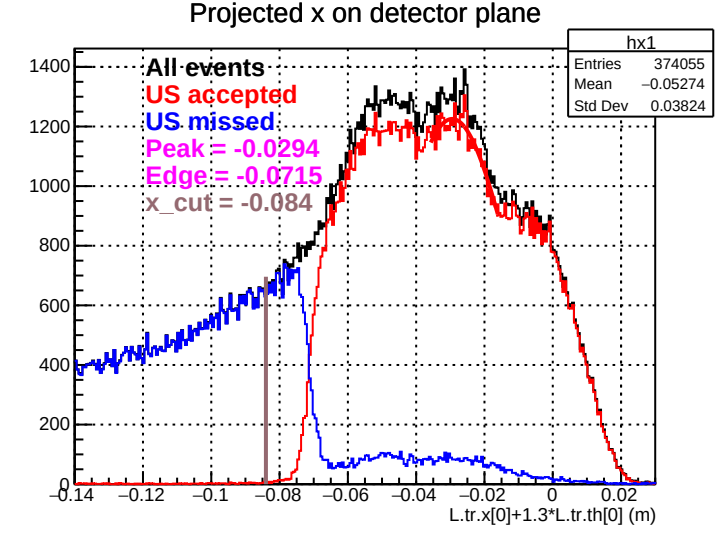

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 169921
Mean 0.5477
Std Dev 0.08238
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

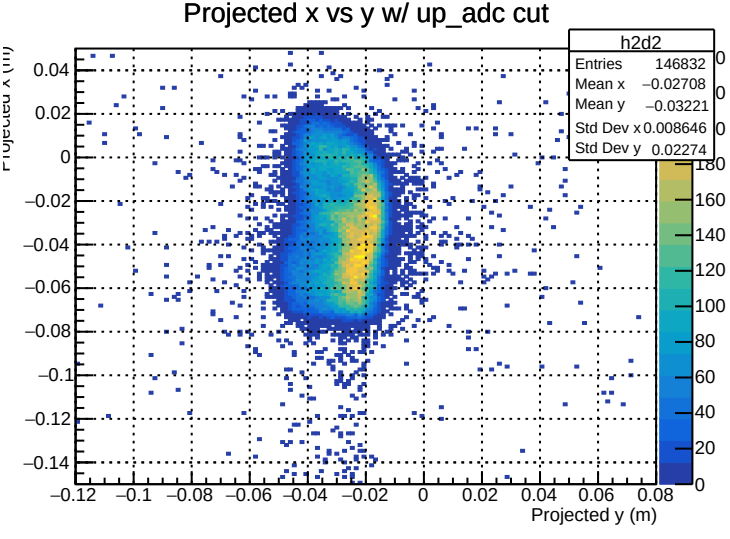

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 169921
Mean 0.006192
Std Dev 0.001326
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

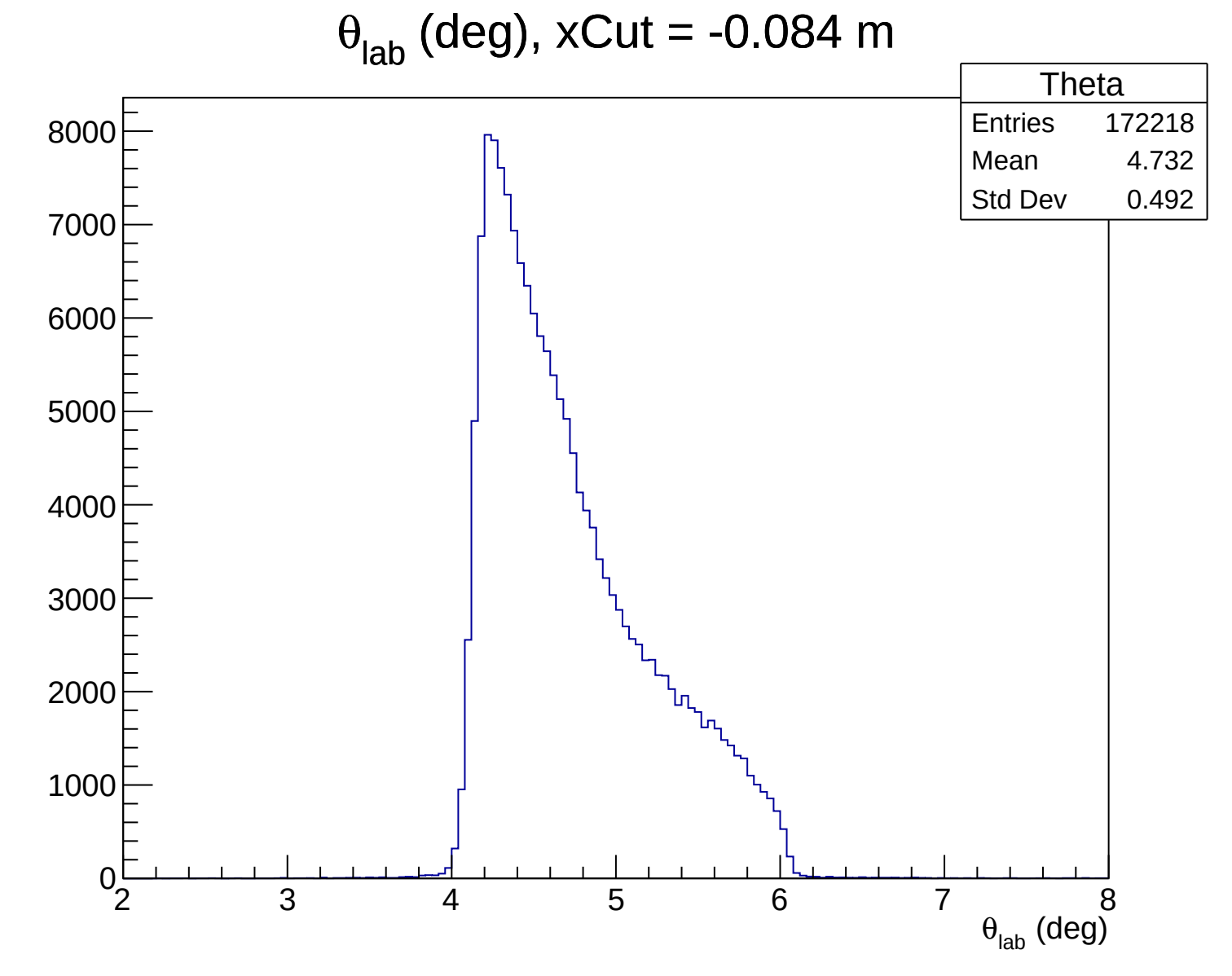

Sensitivity, xCut = -0.082 m
sens
Entries 169921
Mean 0.02172
Std Dev 0.004215
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

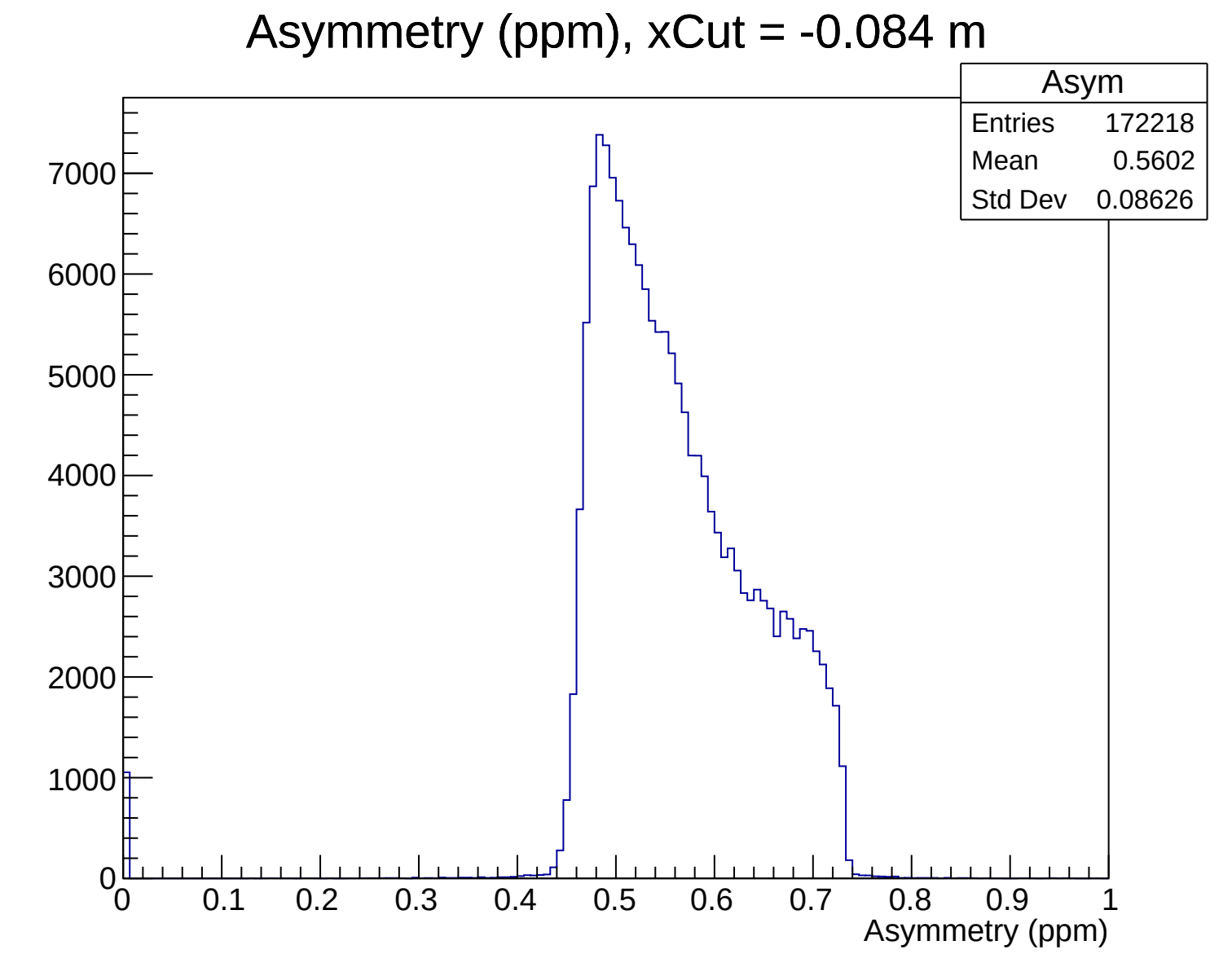

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

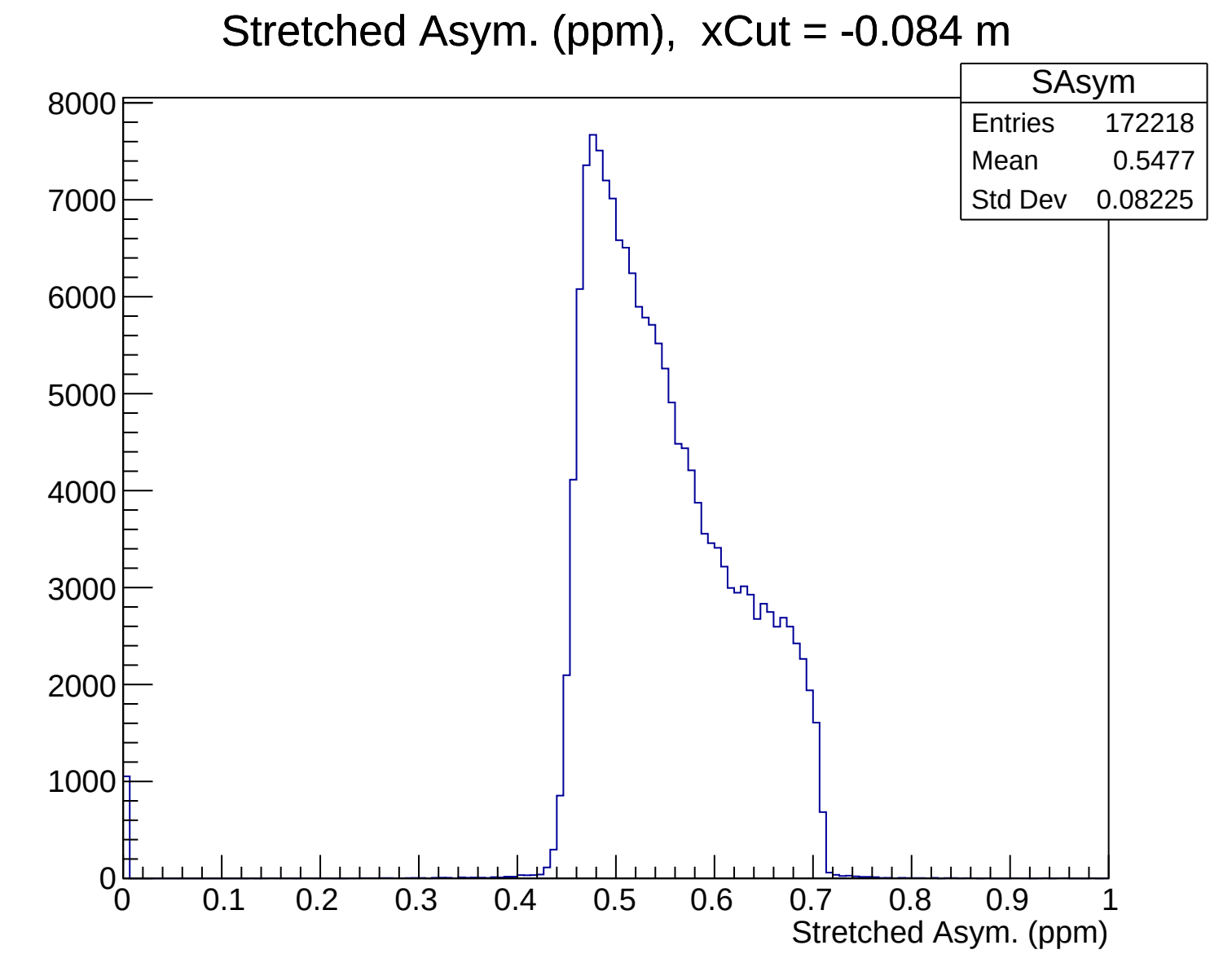

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

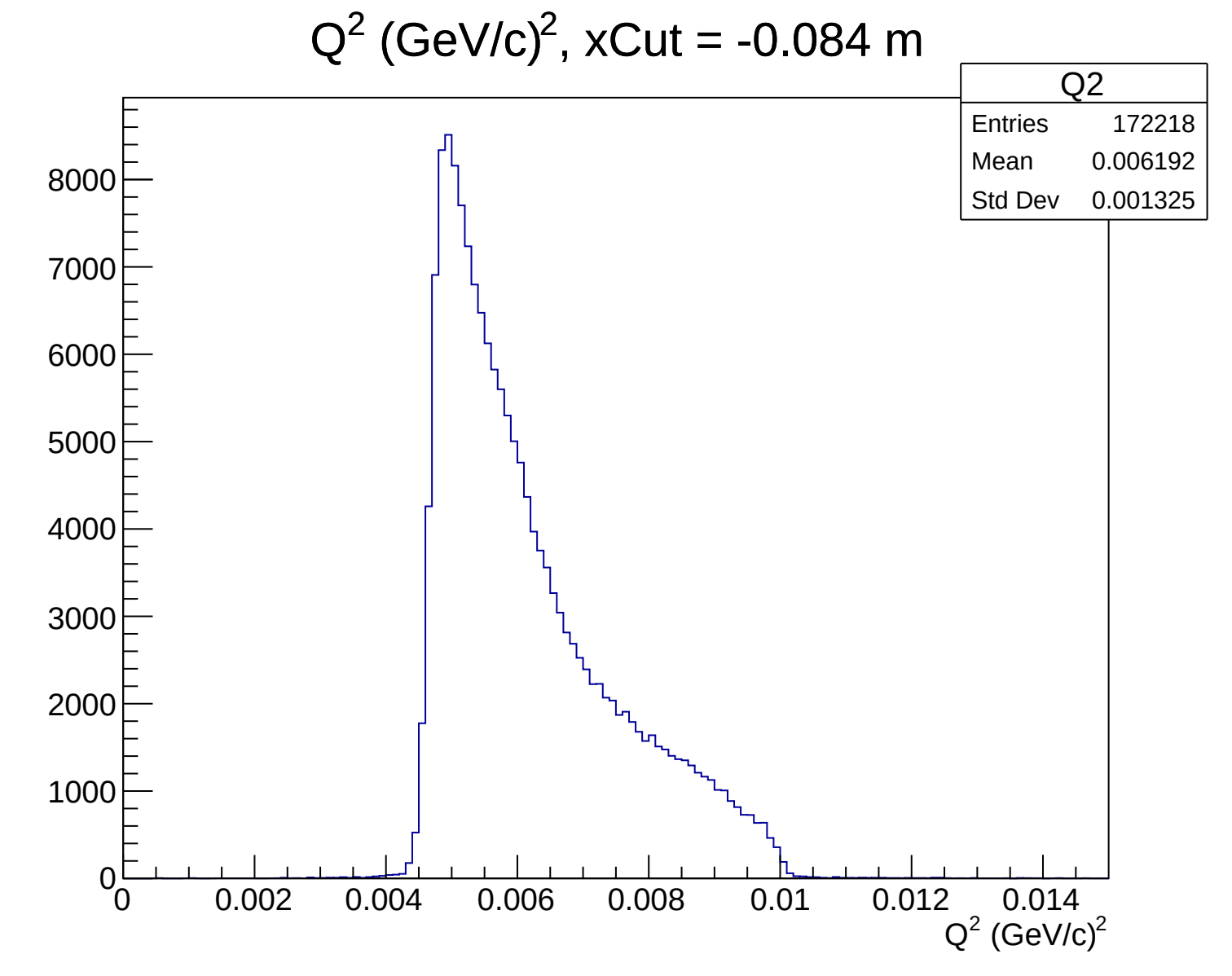

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

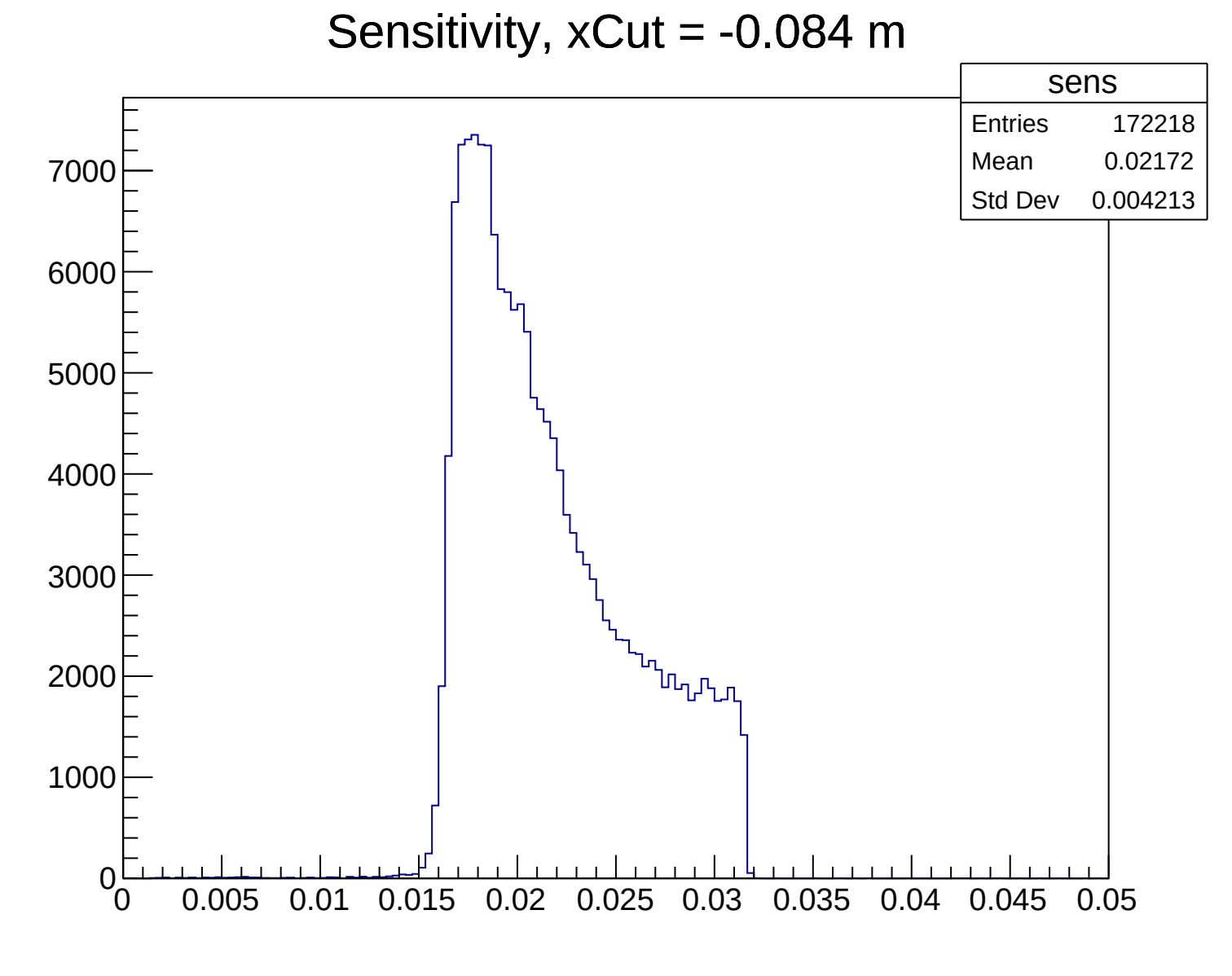

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

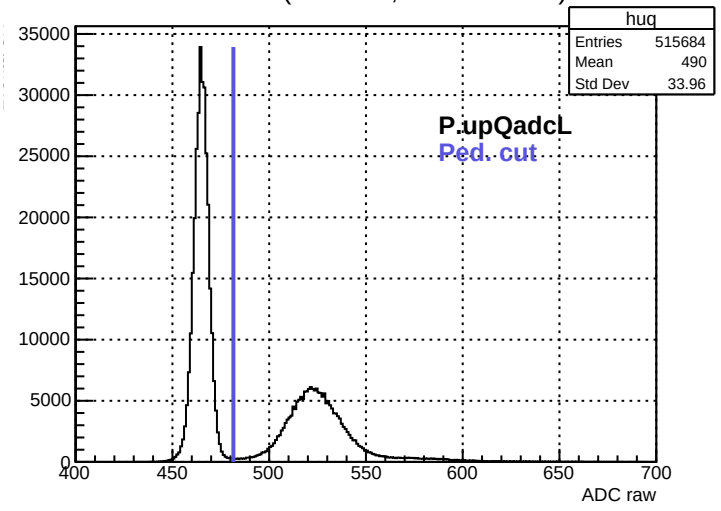

θlab (deg), xCut = -0.084 m
Theta
Entries 172218
Mean 4.732
Std Dev 0.492
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

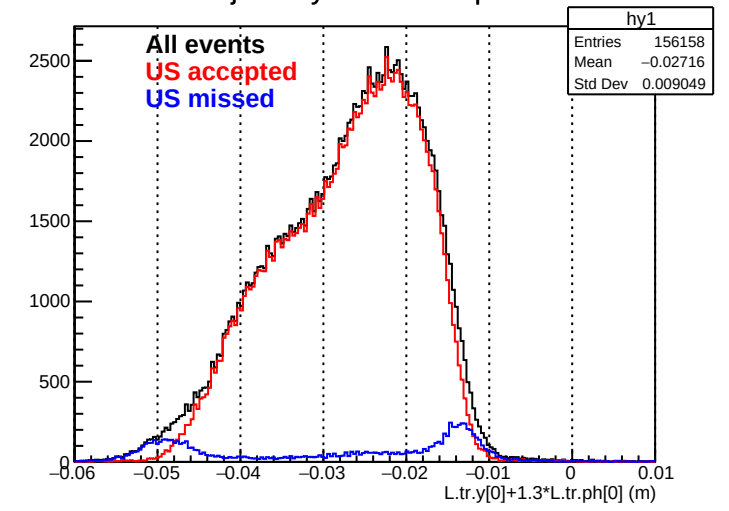

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 172218
Mean 0.5602
Std Dev 0.08626
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

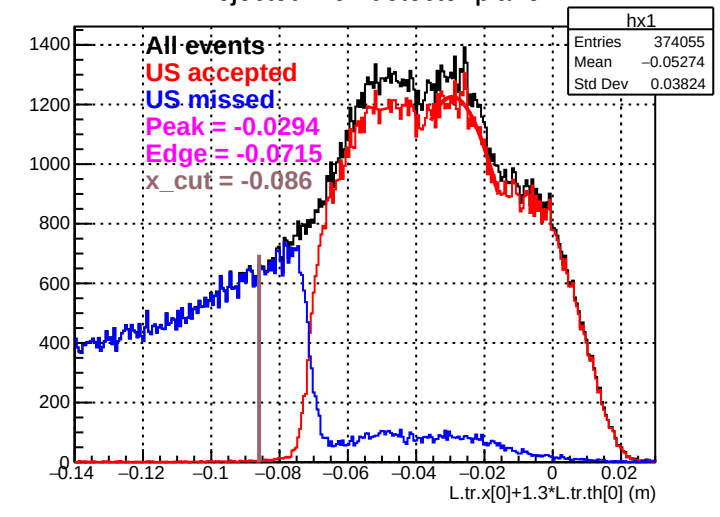

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 172218
Mean 0.5477
Std Dev 0.08225
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

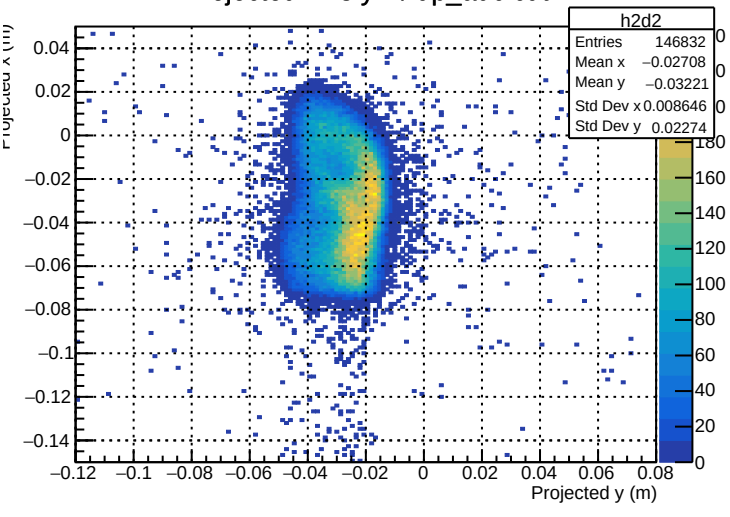

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 172218
Mean 0.006192
Std Dev 0.001325
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

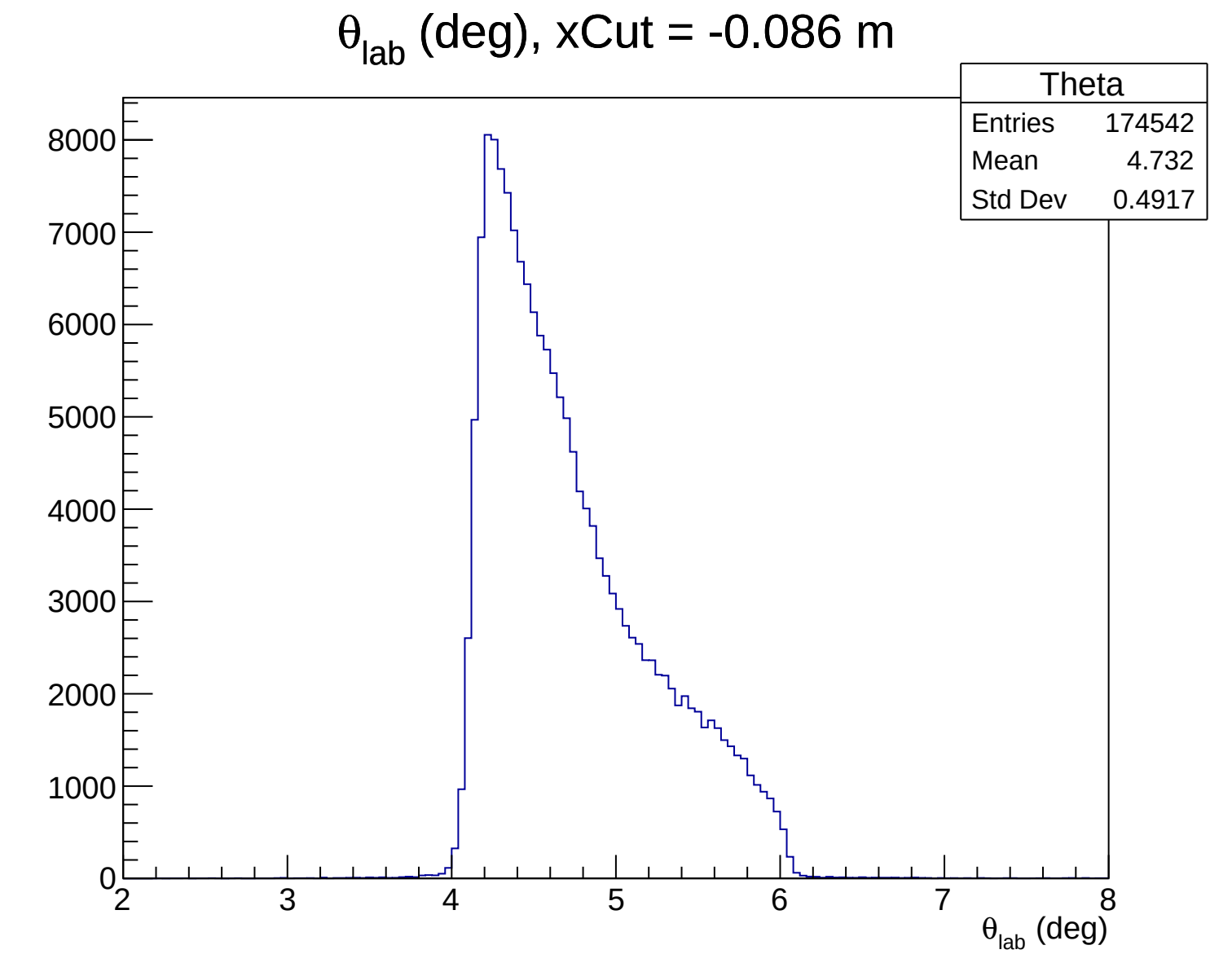

Sensitivity, xCut = -0.084 m
sens
Entries 172218
Mean 0.02172
Std Dev 0.004213
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

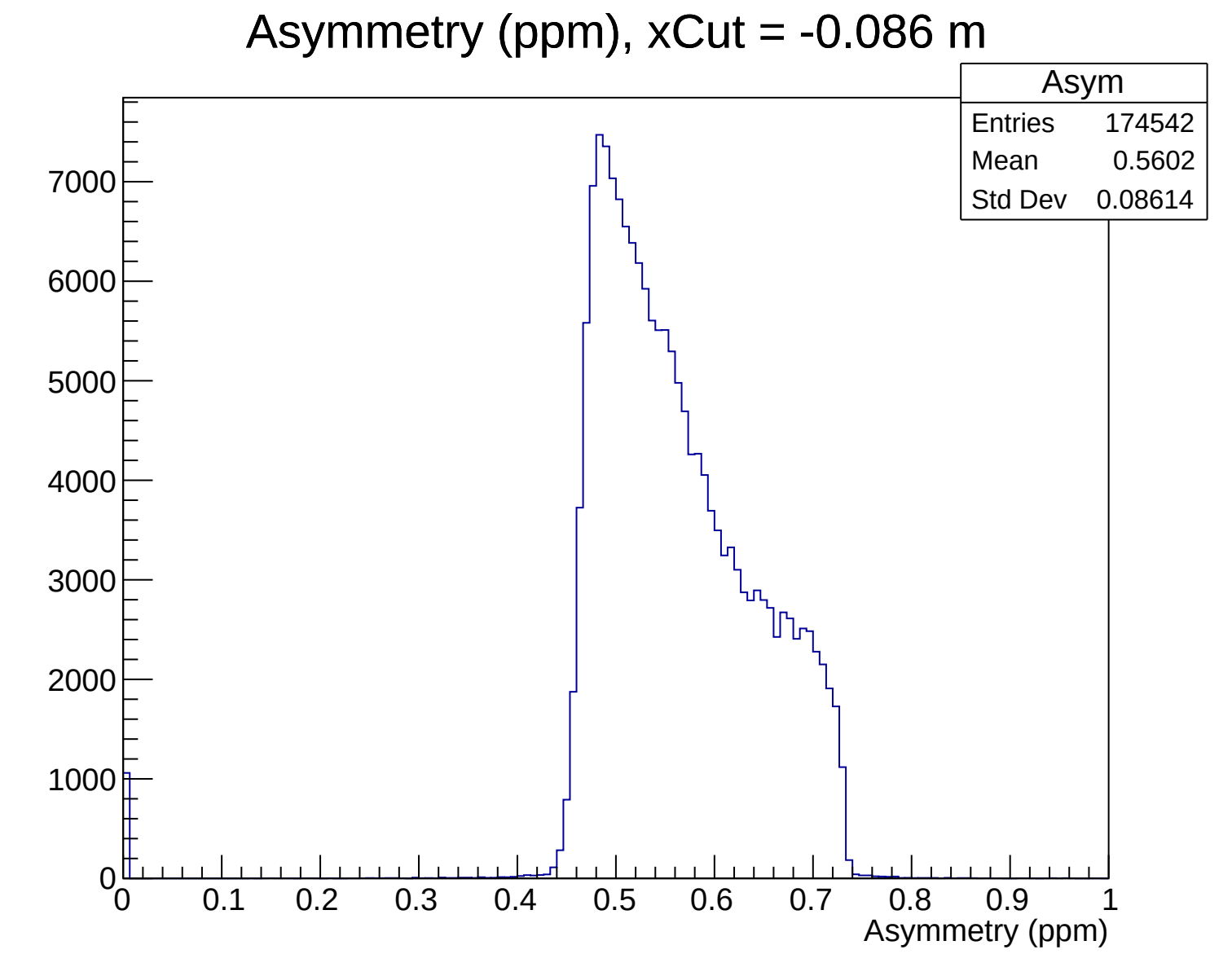

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

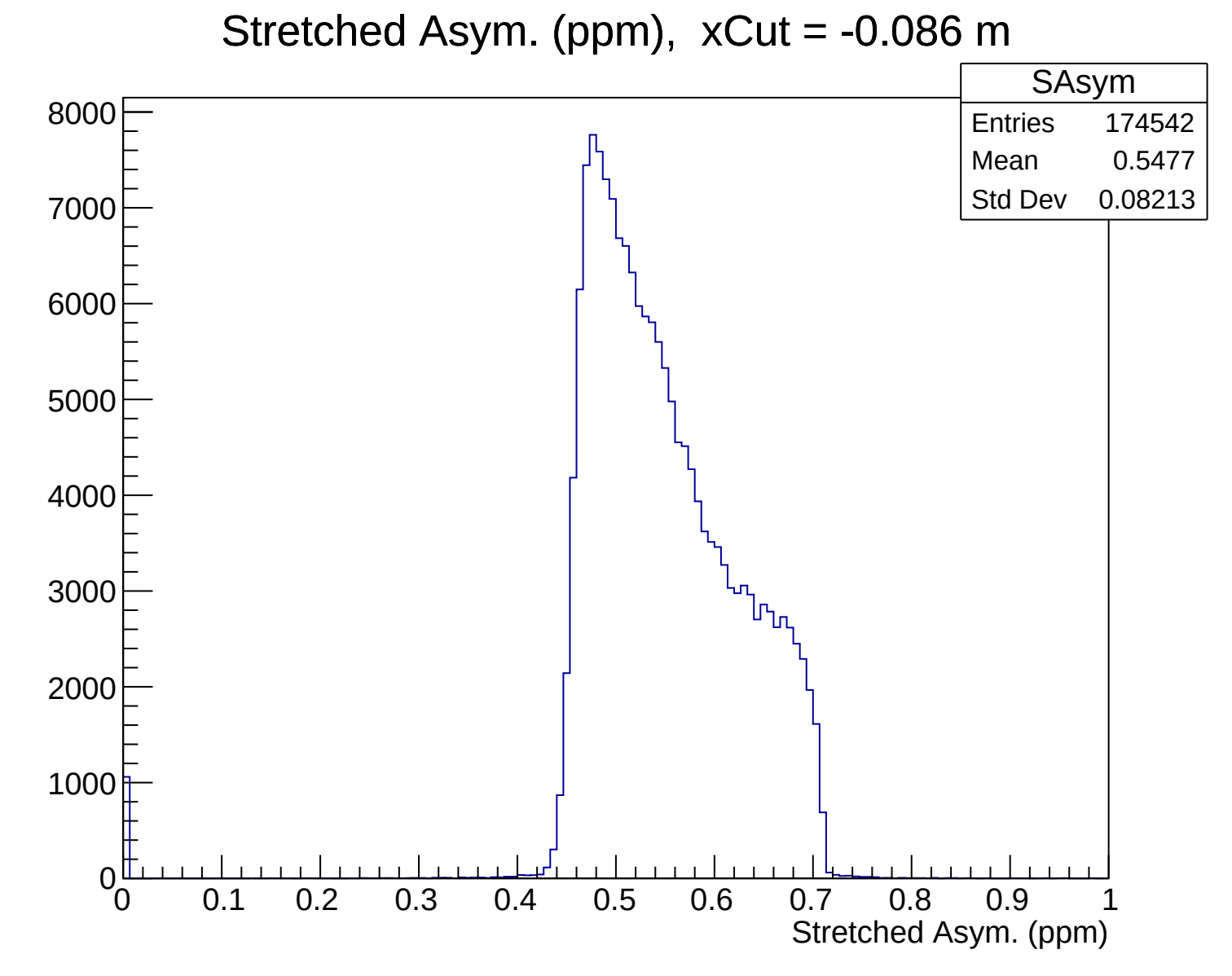

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

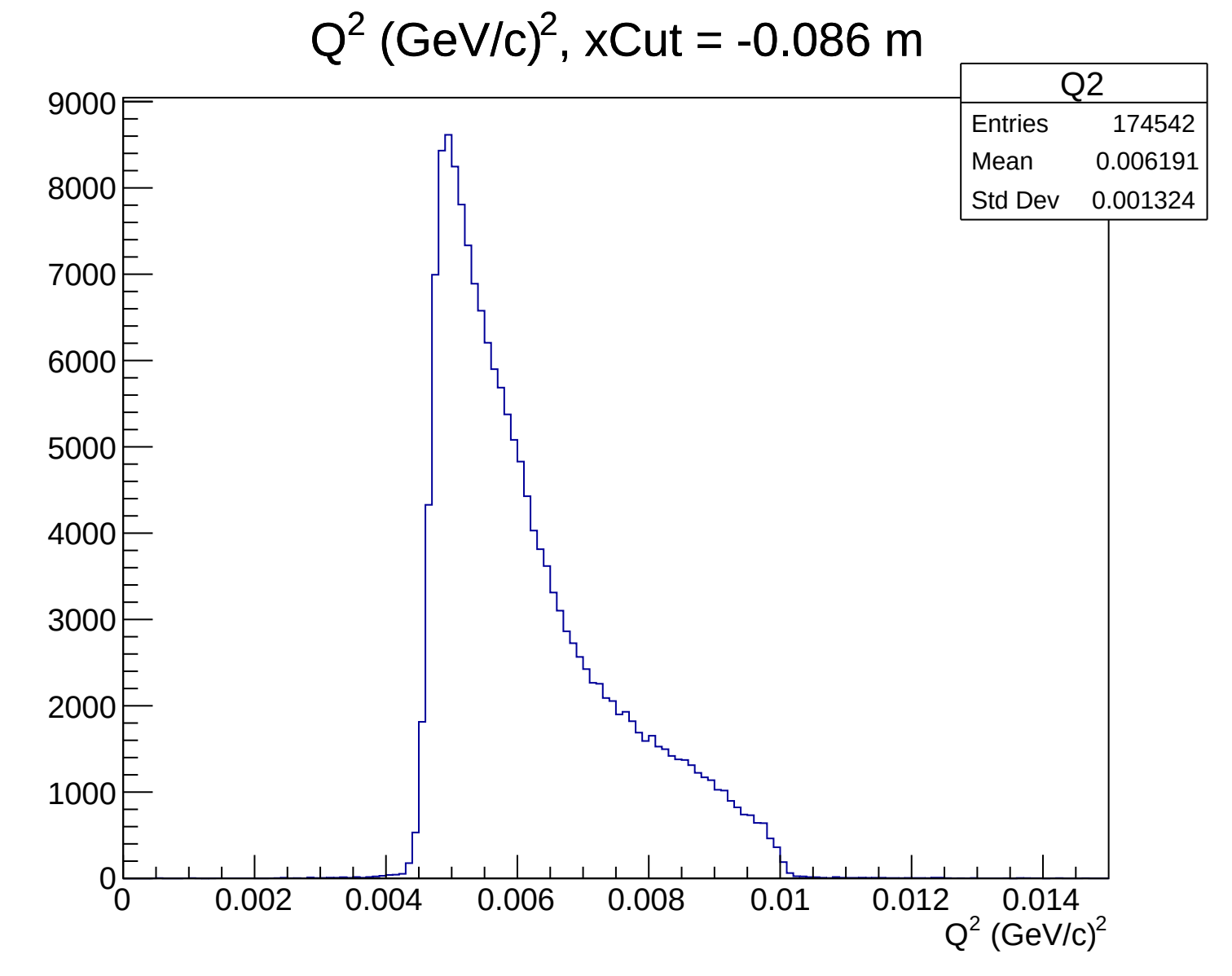

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.086
L.tr.x[0]+1.3*L.tr.th[0] (m)

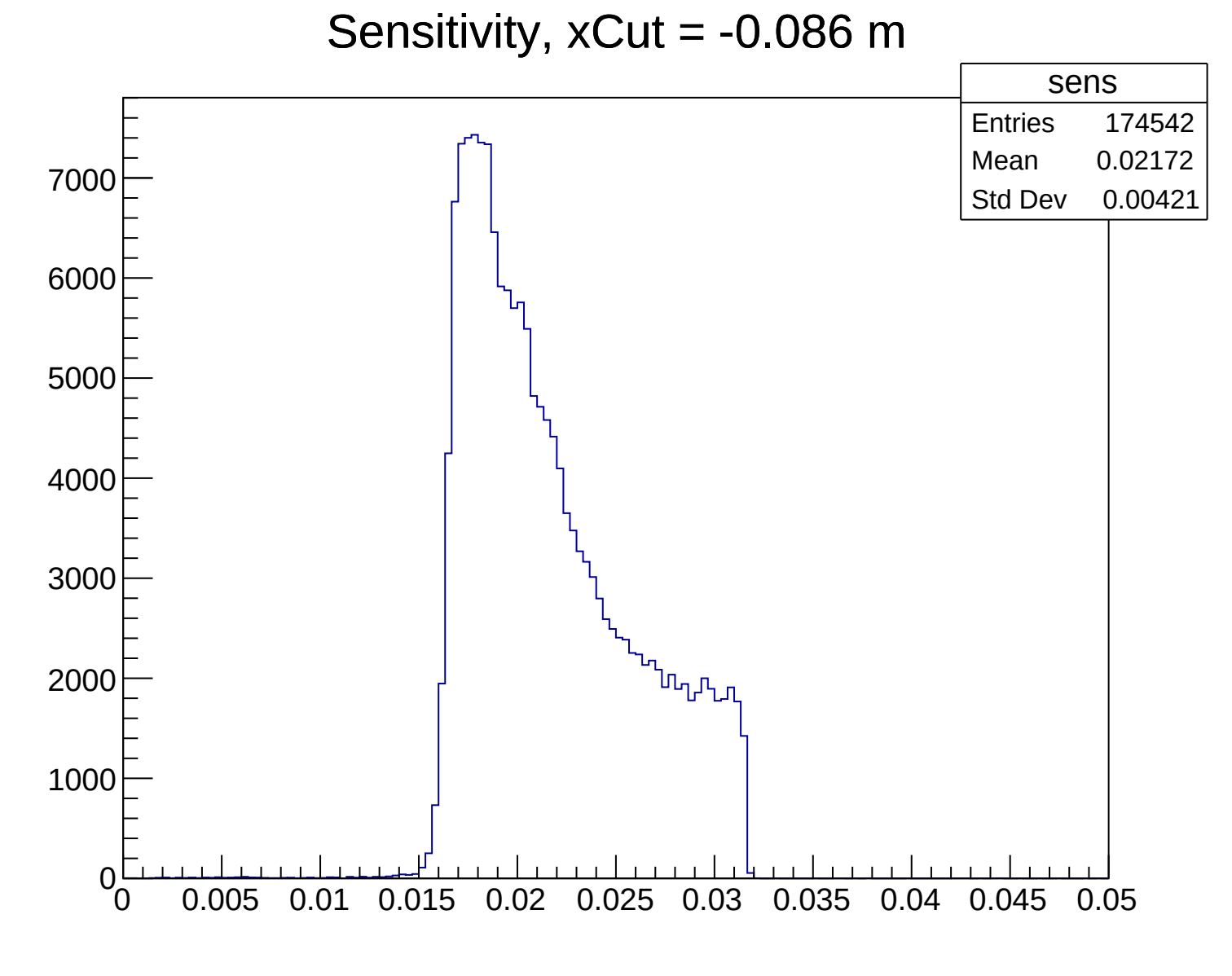

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

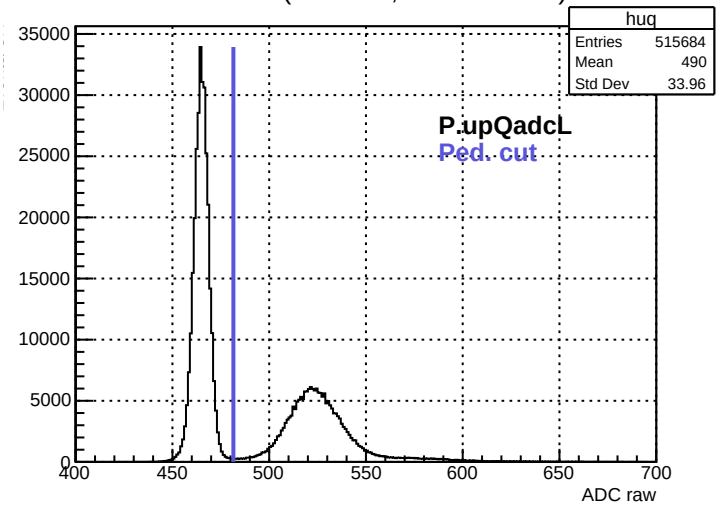

θlab (deg), xCut = -0.086 m
Theta
Entries 174542
Mean 4.732
Std Dev 0.4917
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

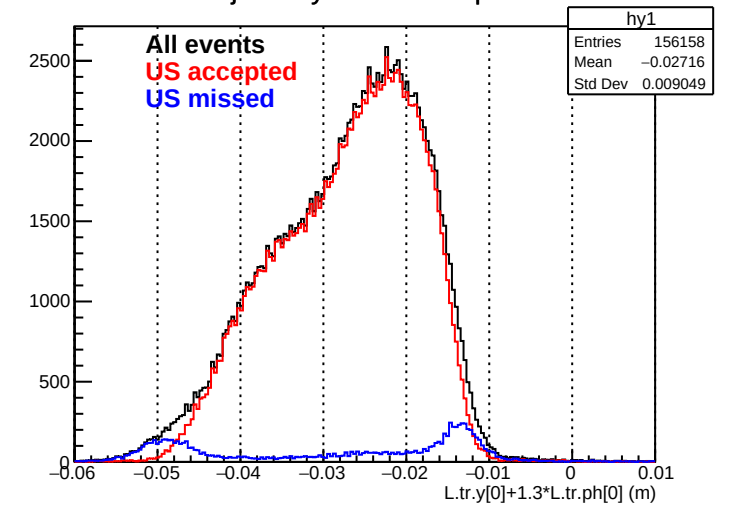

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 174542
Mean 0.5602
Std Dev 0.08614
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

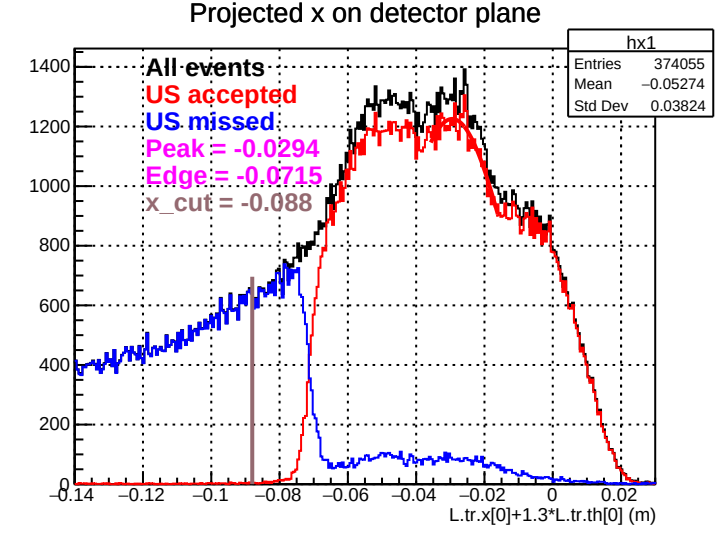

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 174542
Mean 0.5477
Std Dev 0.08213
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

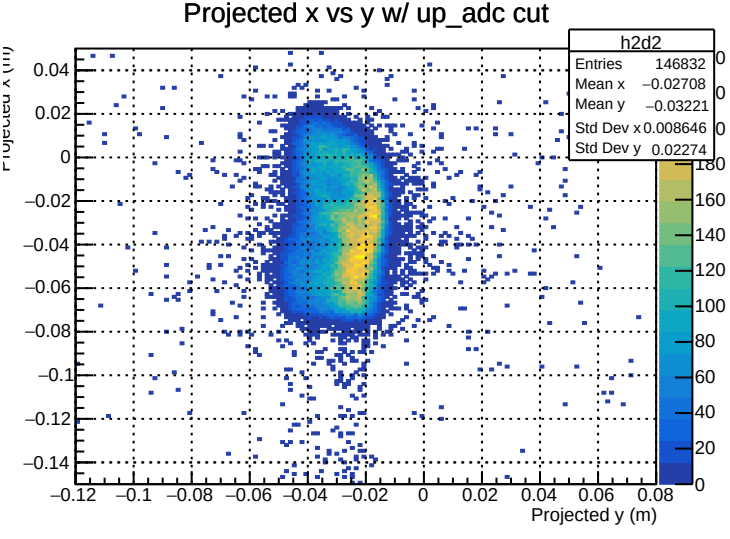

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 174542
Mean 0.006191
Std Dev 0.001324
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

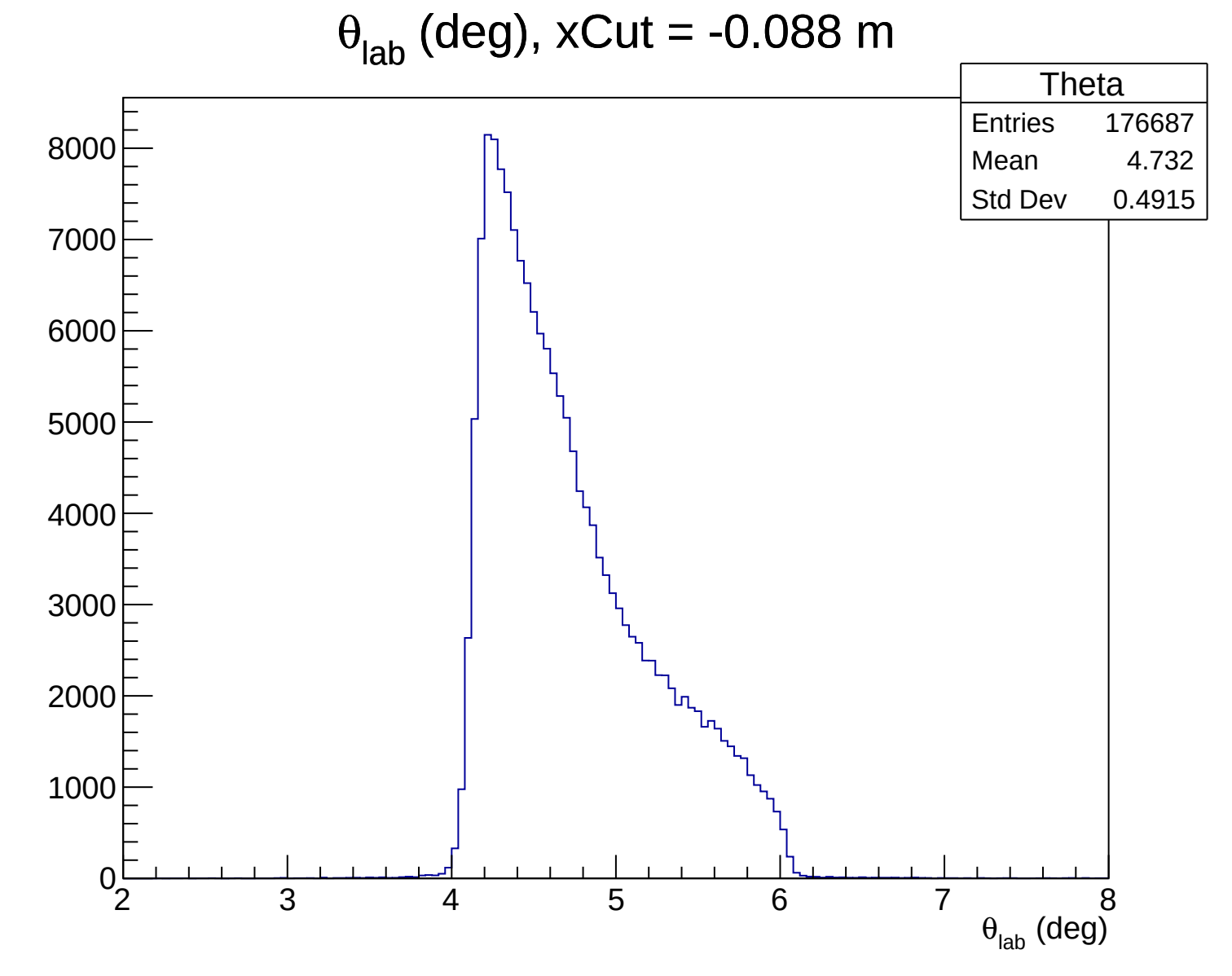

Sensitivity, xCut = -0.086 m
sens
Entries 174542
Mean 0.02172
Std Dev 0.00421
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

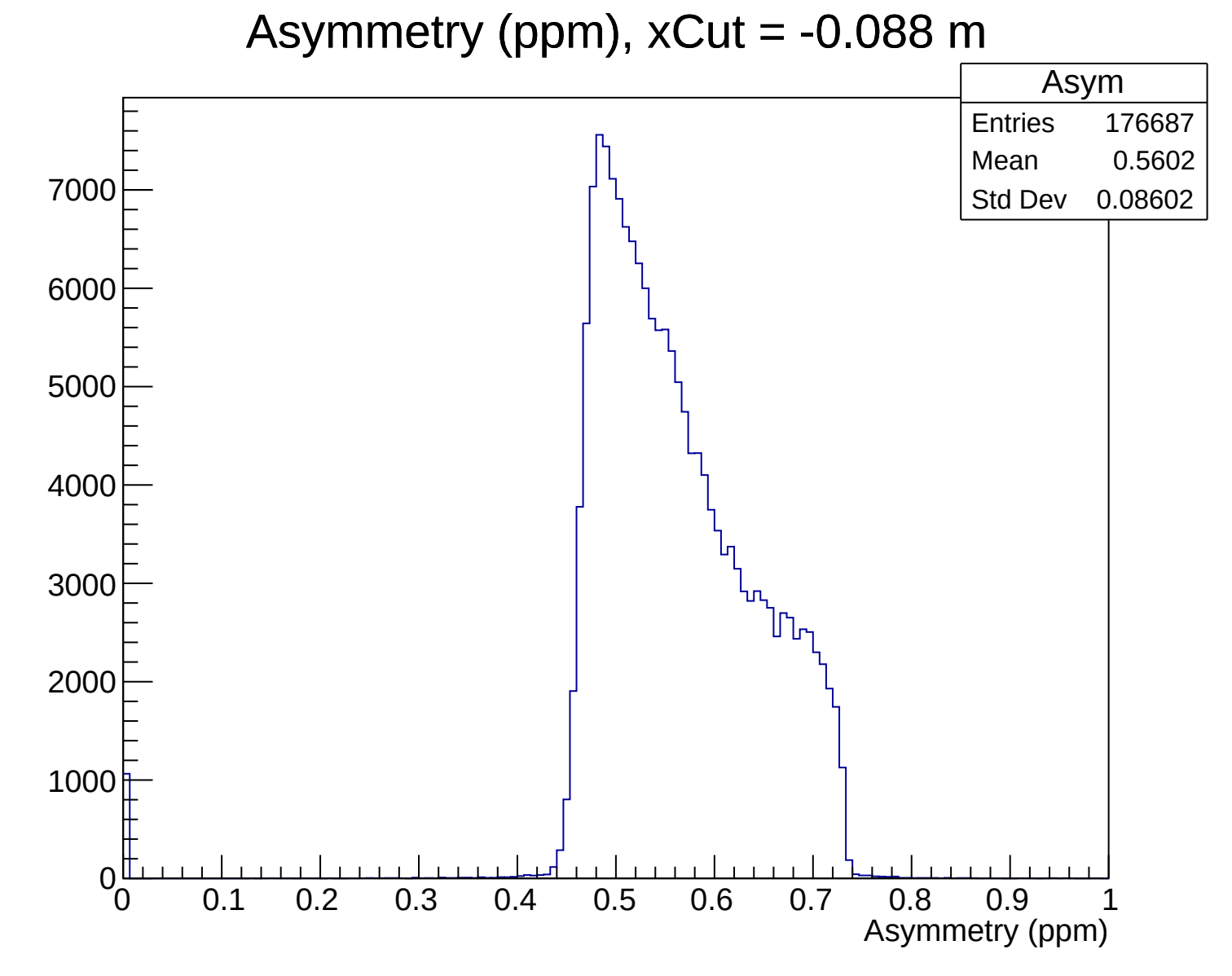

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

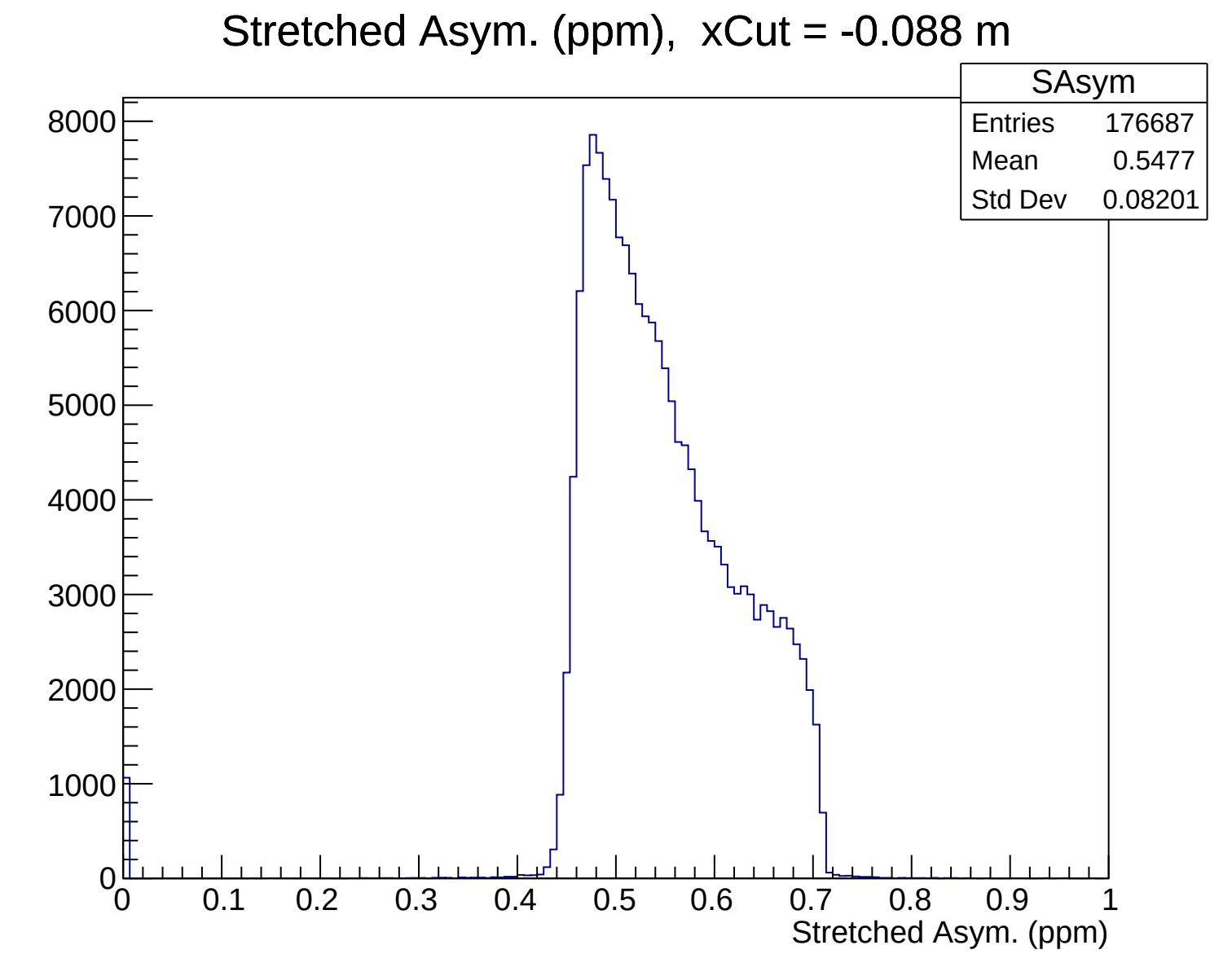

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

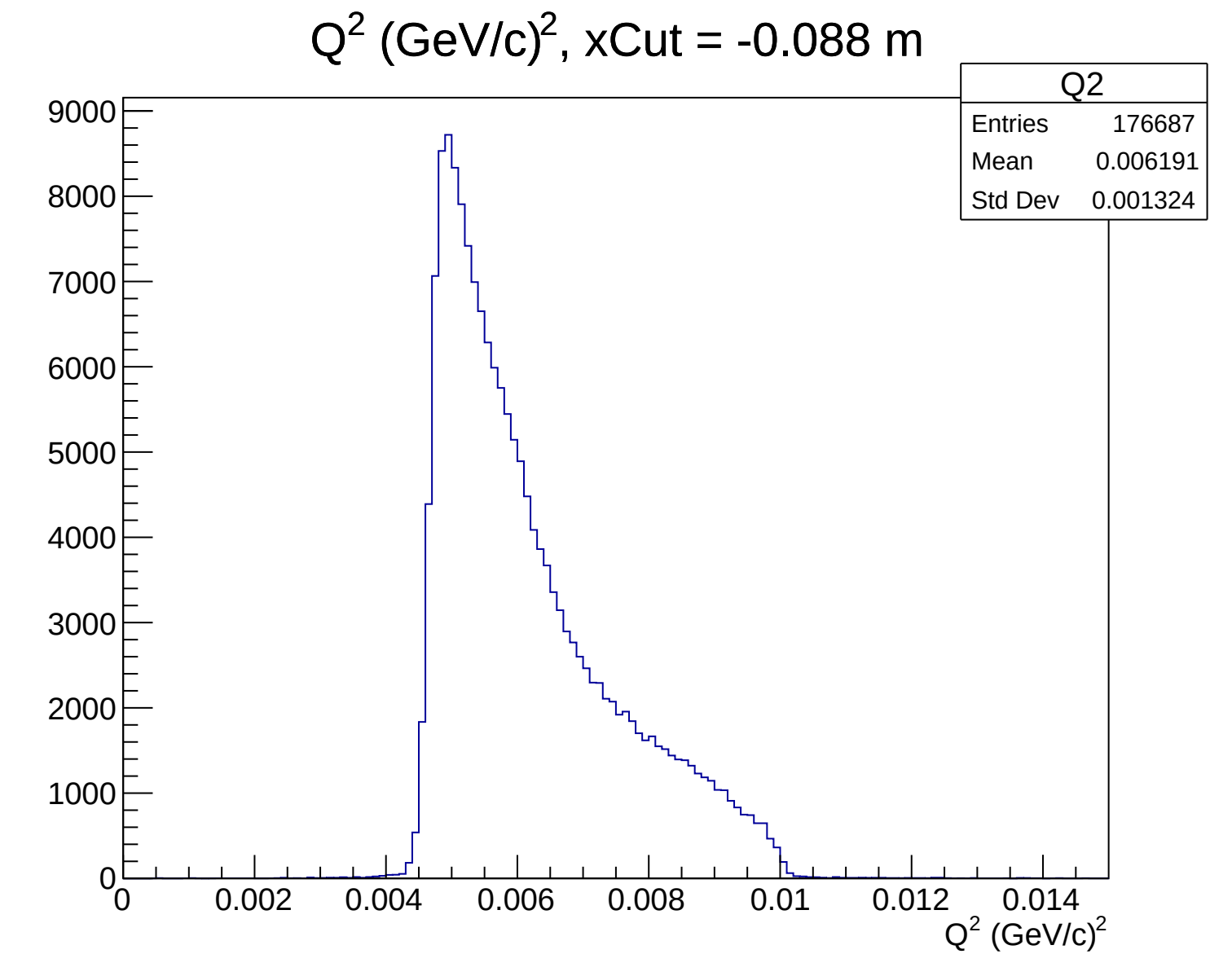

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

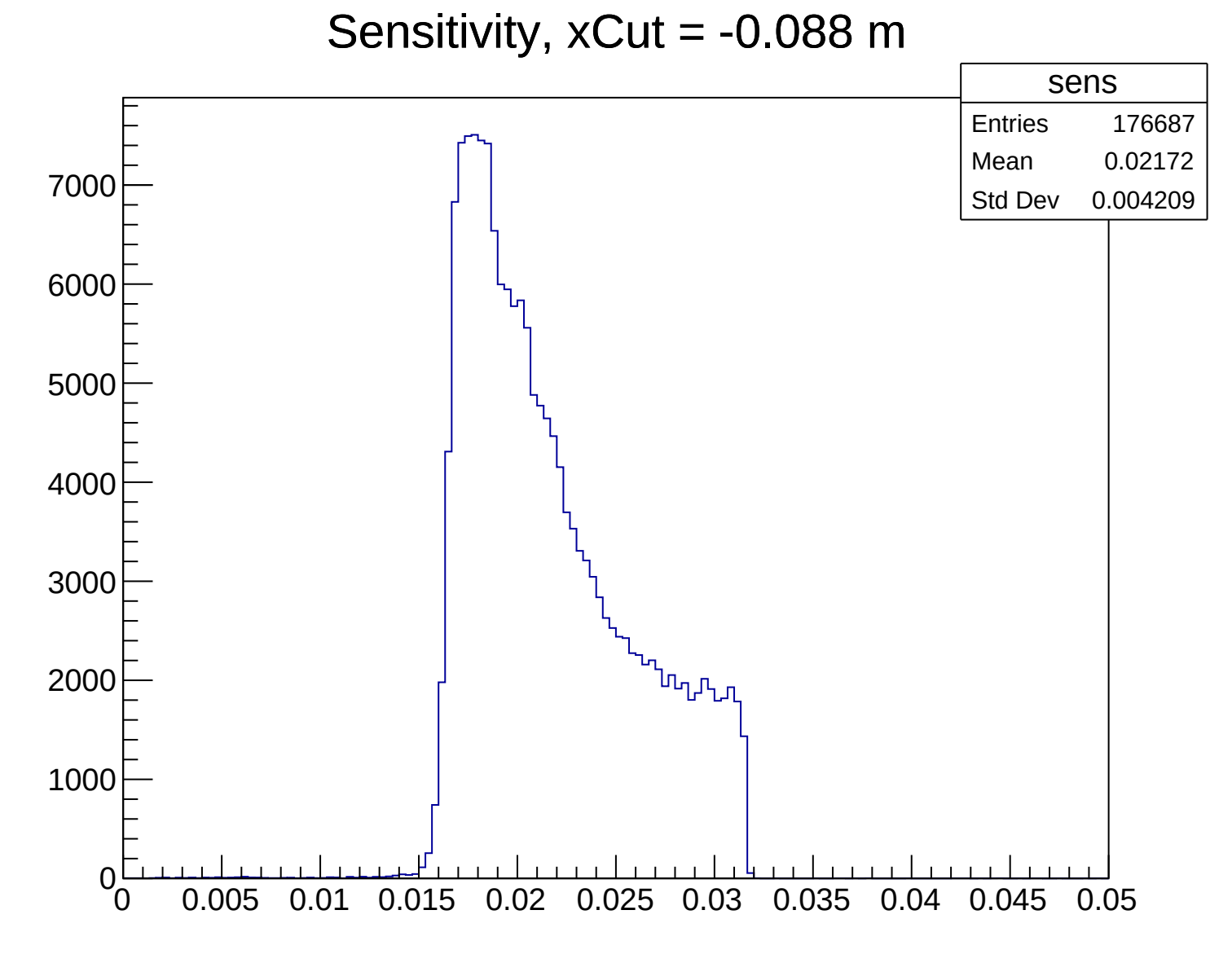

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

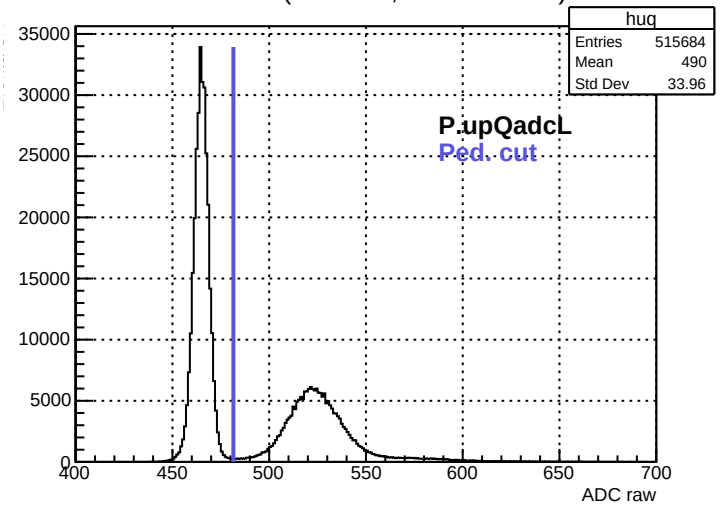

θlab (deg), xCut = -0.088 m
Theta
Entries 176687
Mean 4.732
Std Dev 0.4915
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

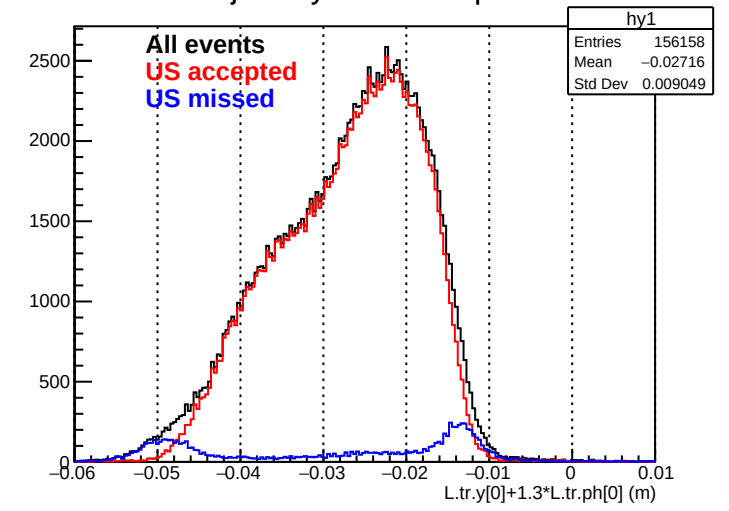

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 176687
Mean 0.5602
Std Dev 0.08602
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

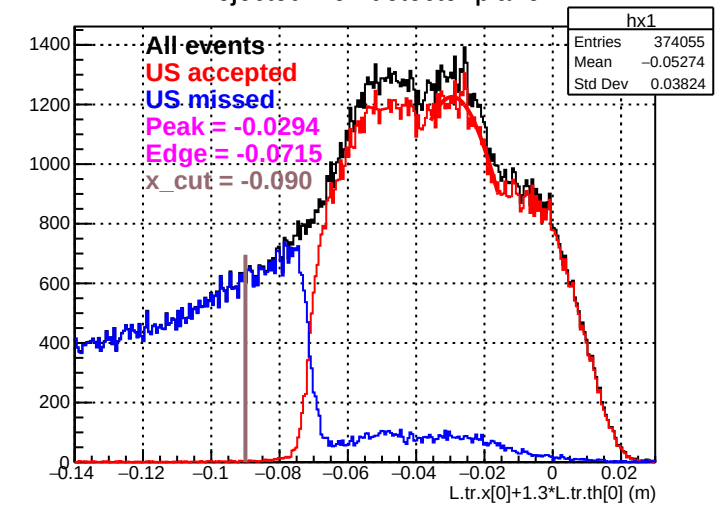

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 176687
Mean 0.5477
Std Dev 0.08201
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

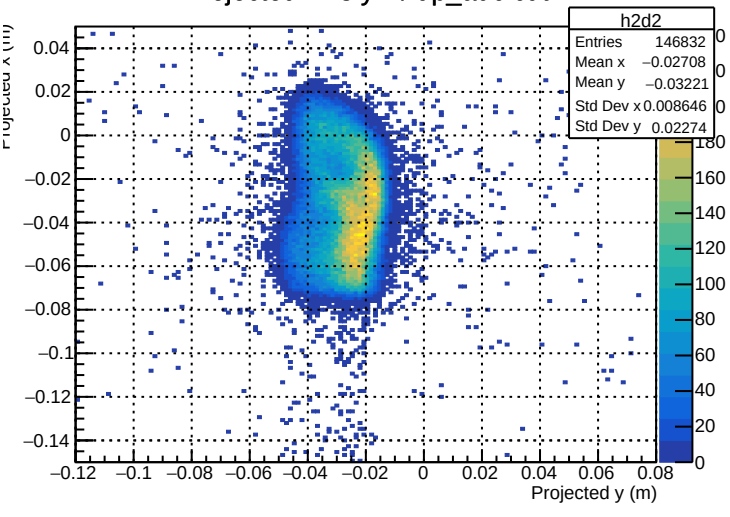

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 176687
Mean 0.006191
Std Dev 0.001324
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

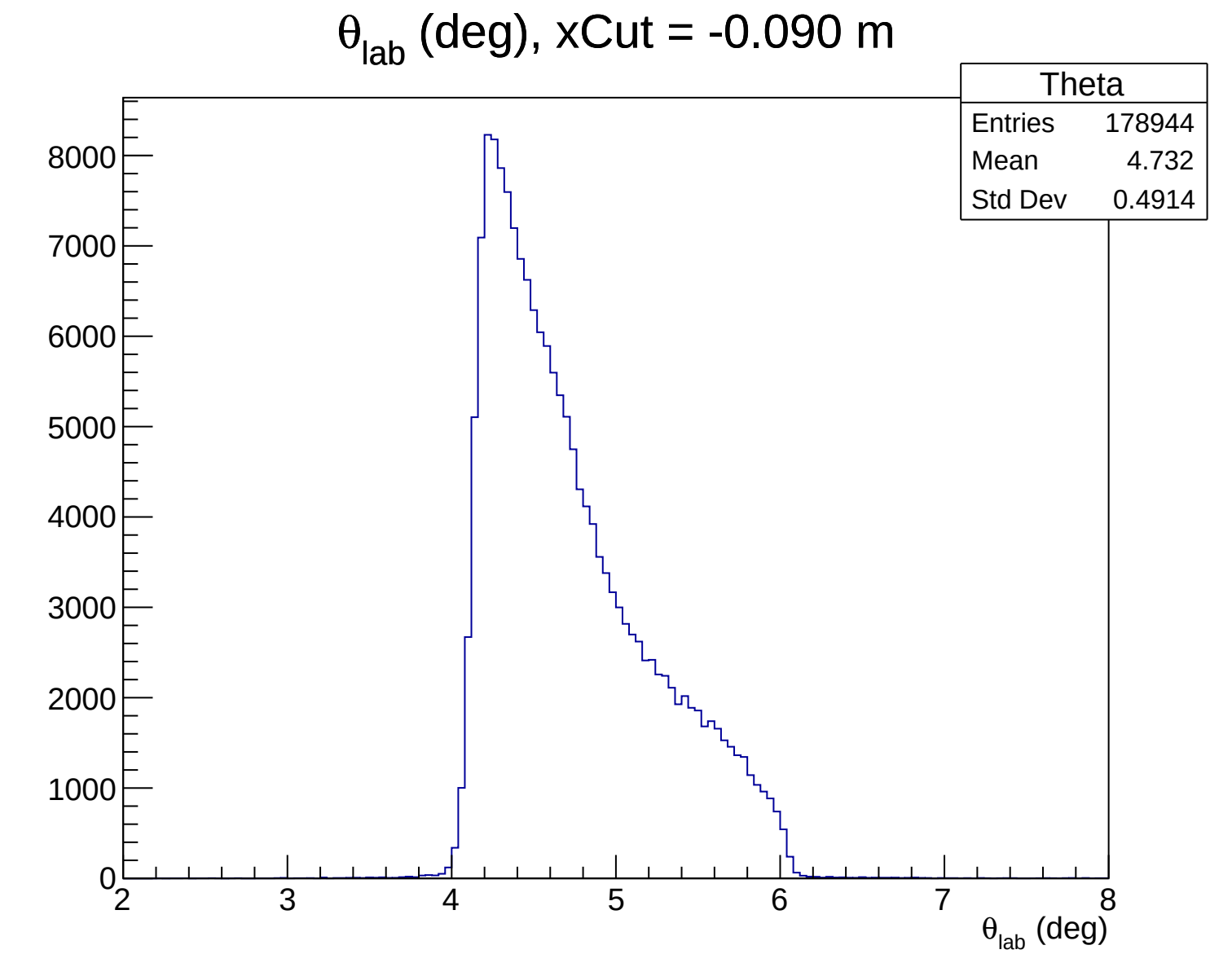

Sensitivity, xCut = -0.088 m
sens
Entries 176687
Mean 0.02172
Std Dev 0.004209
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

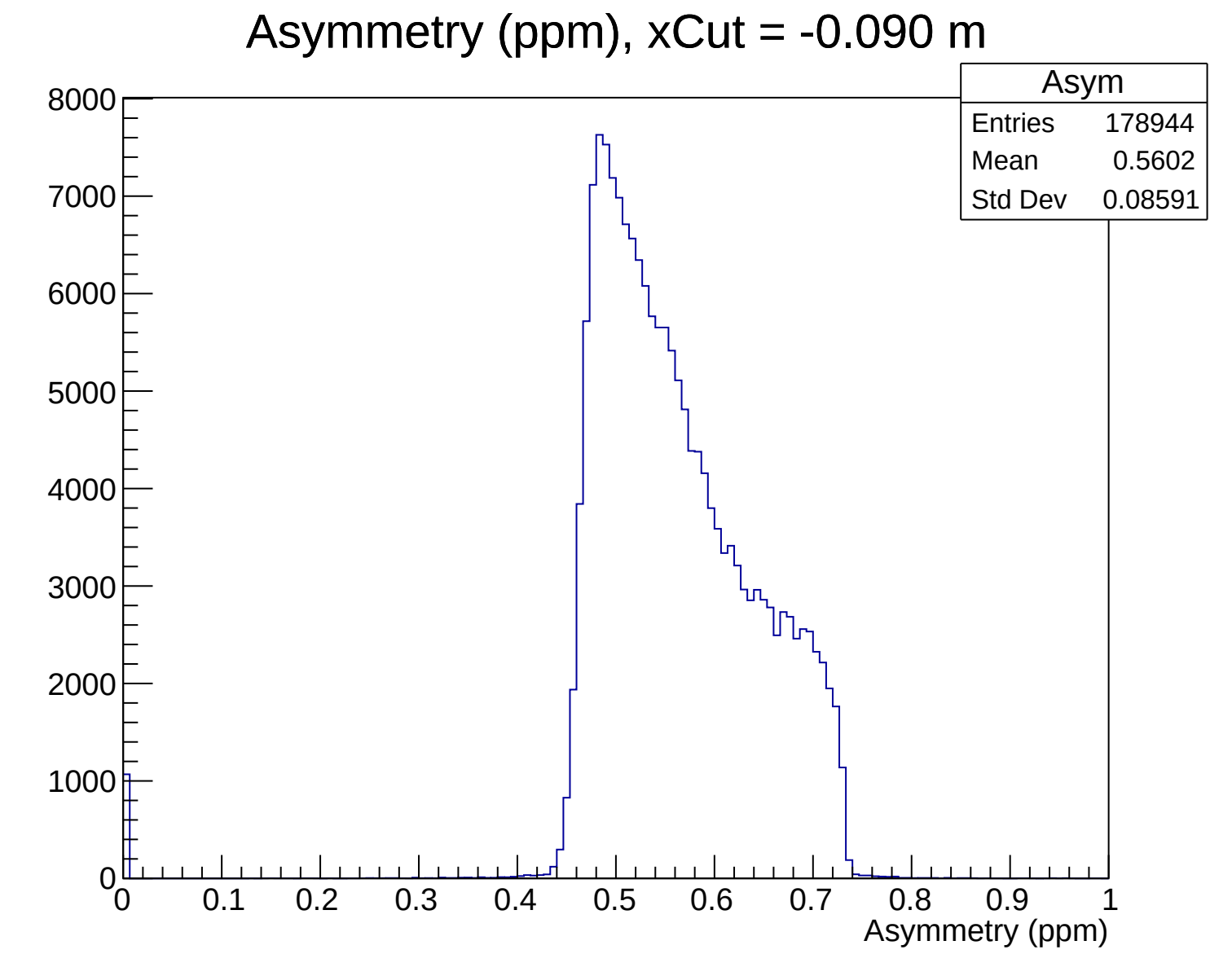

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

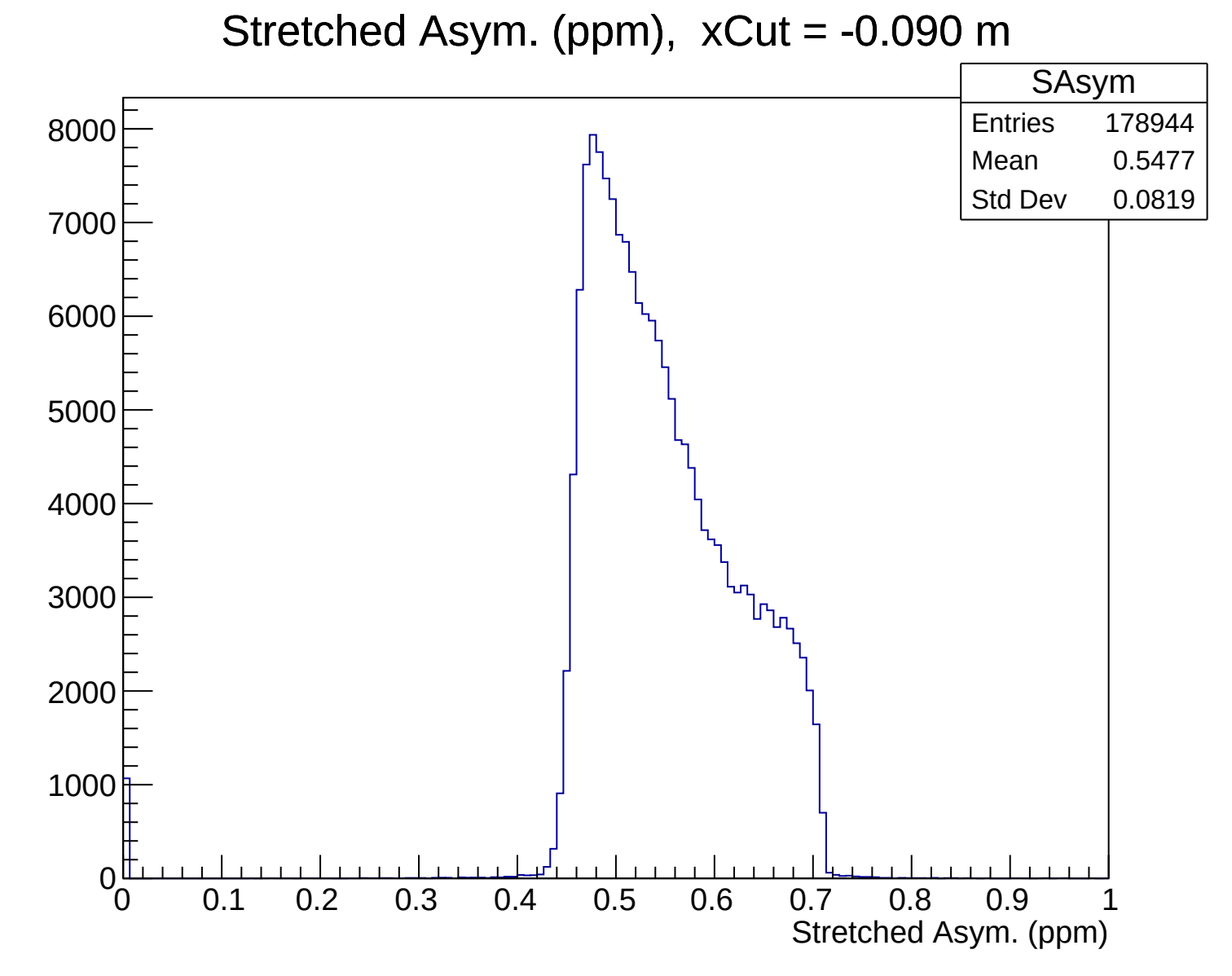

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

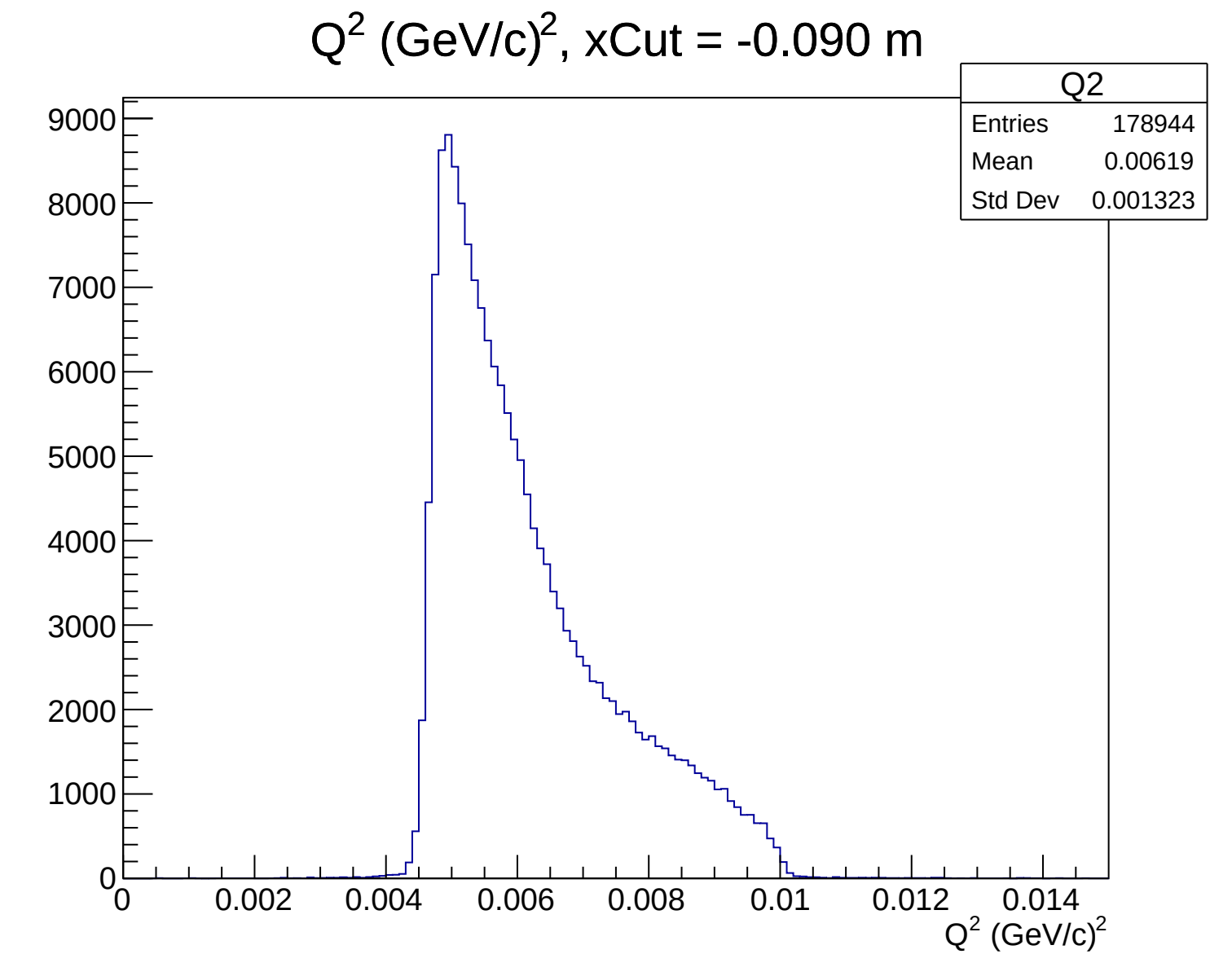

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

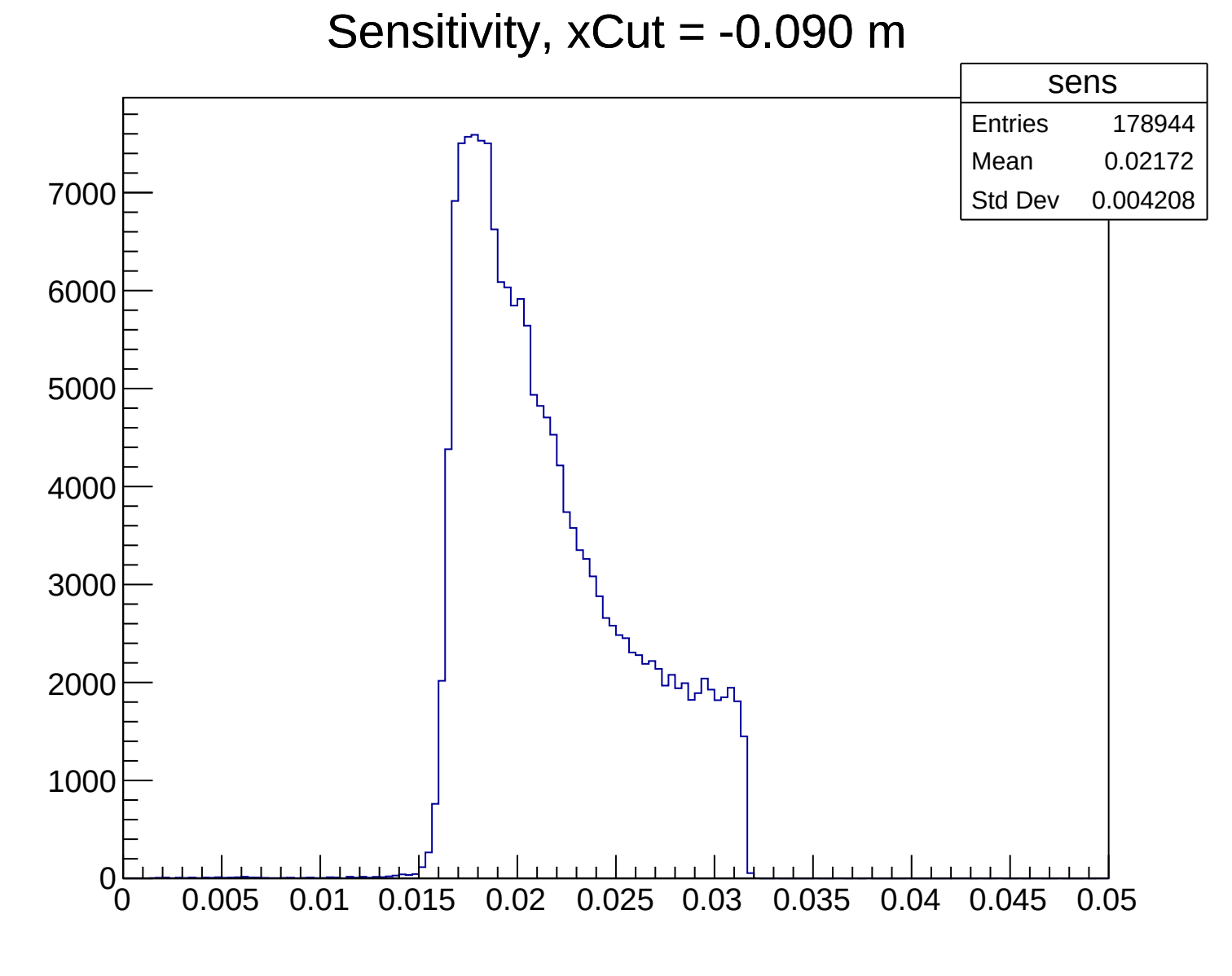

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

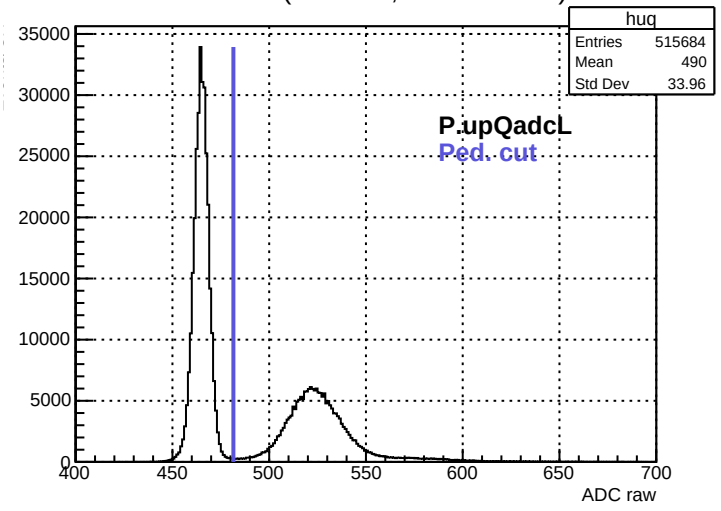

θlab (deg), xCut = -0.090 m
Theta
Entries 178944
Mean 4.732
Std Dev 0.4914
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

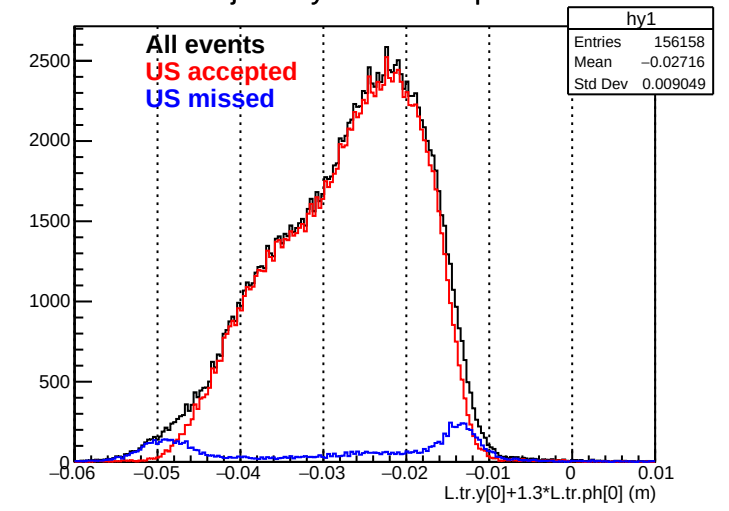

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 178944
Mean 0.5602
Std Dev 0.08591
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

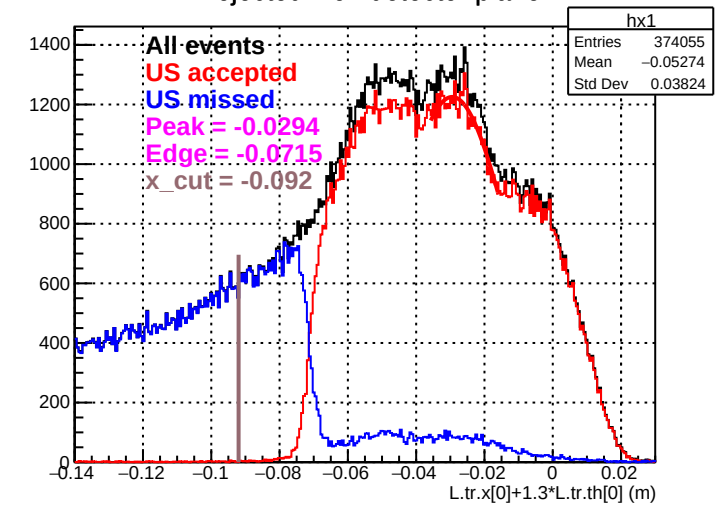

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 178944
Mean 0.5477
Std Dev 0.0819
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

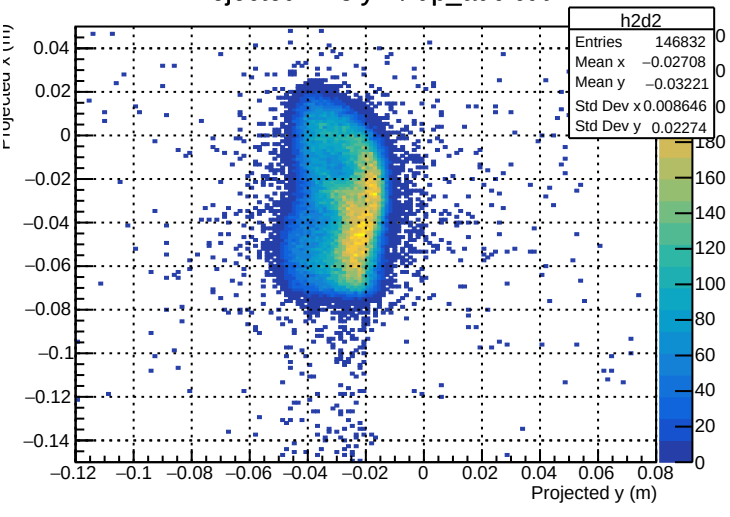

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 178944
Mean 0.00619
Std Dev 0.001323
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

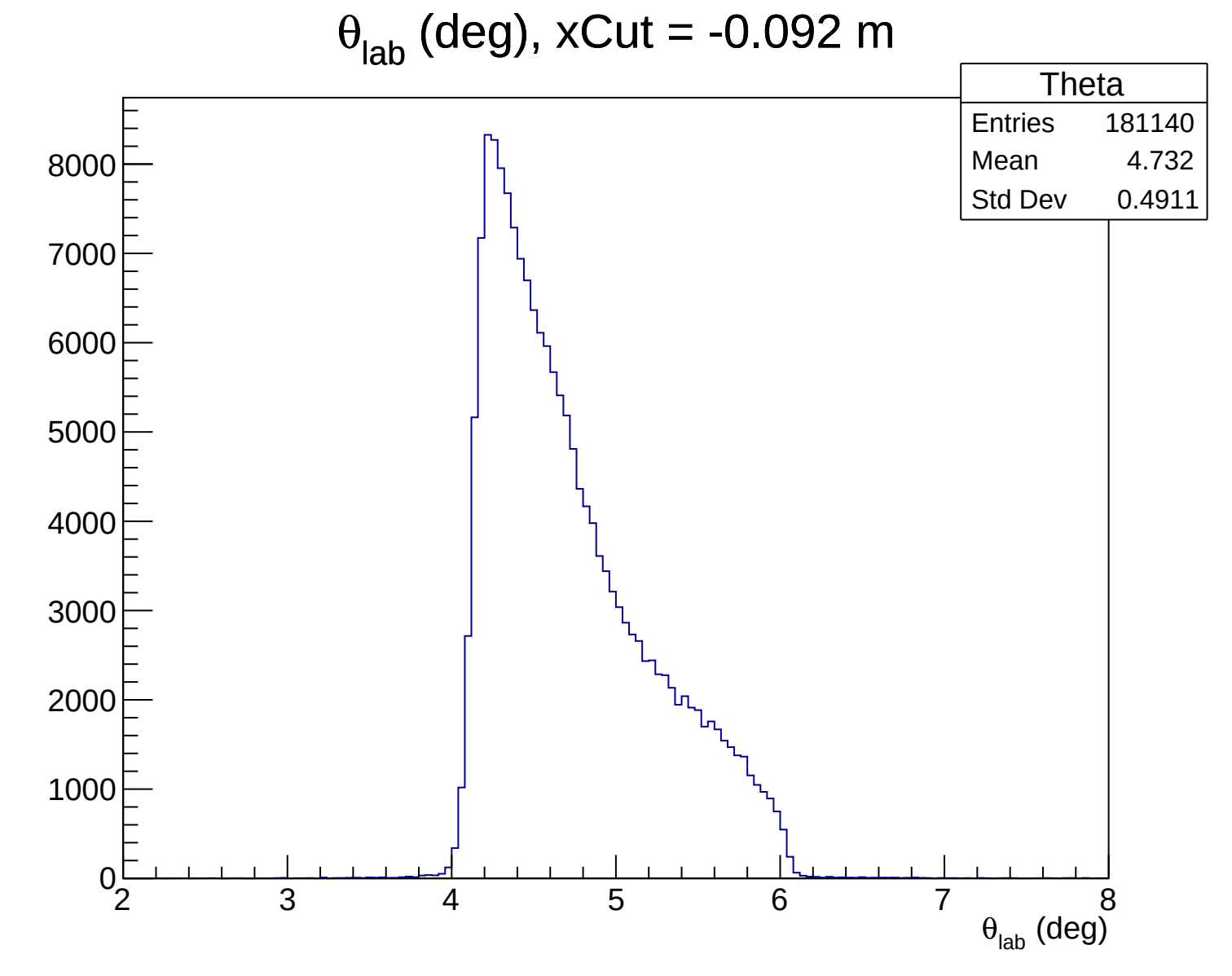

Sensitivity, xCut = -0.090 m
sens
Entries 178944
Mean 0.02172
Std Dev 0.004208
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

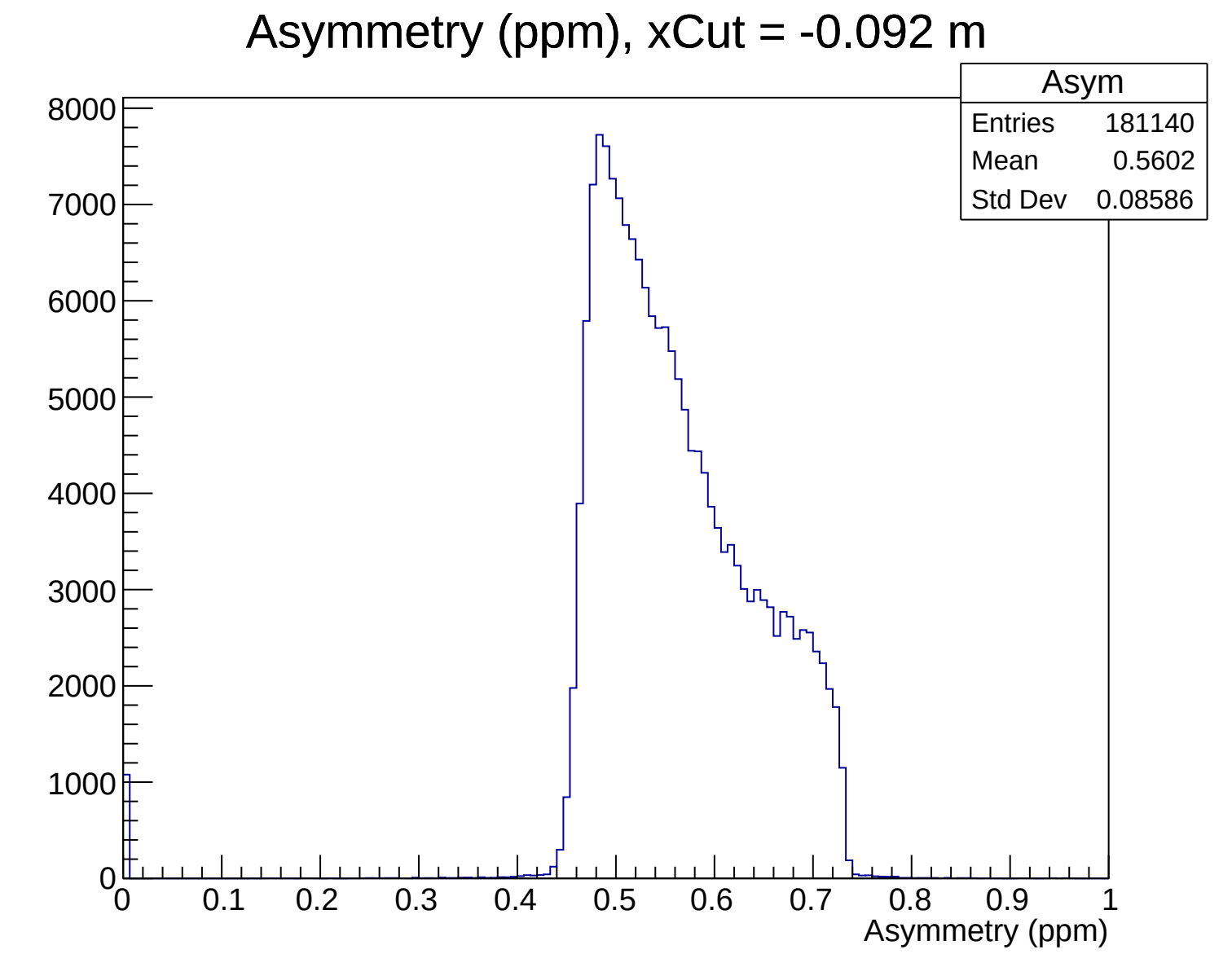

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

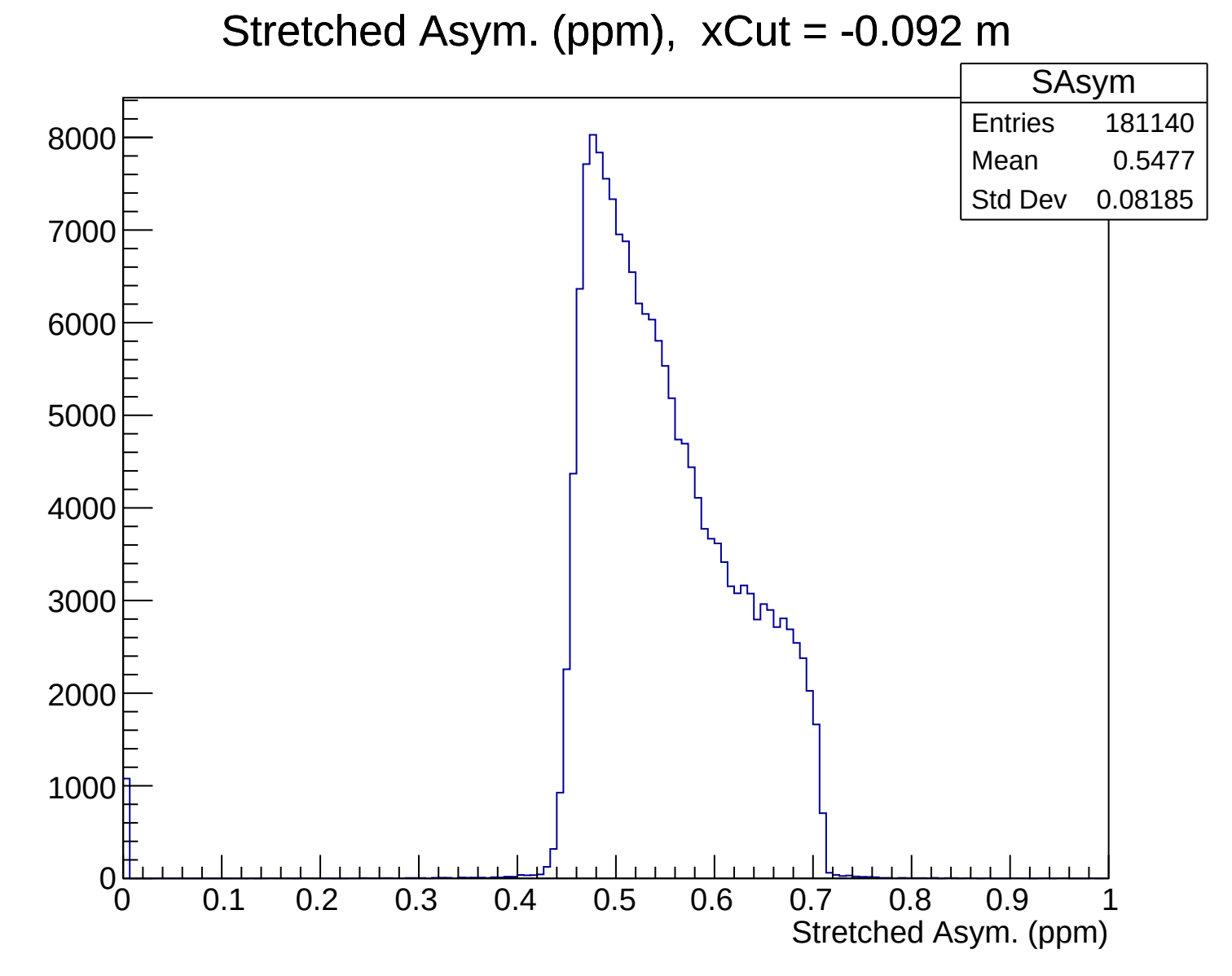

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

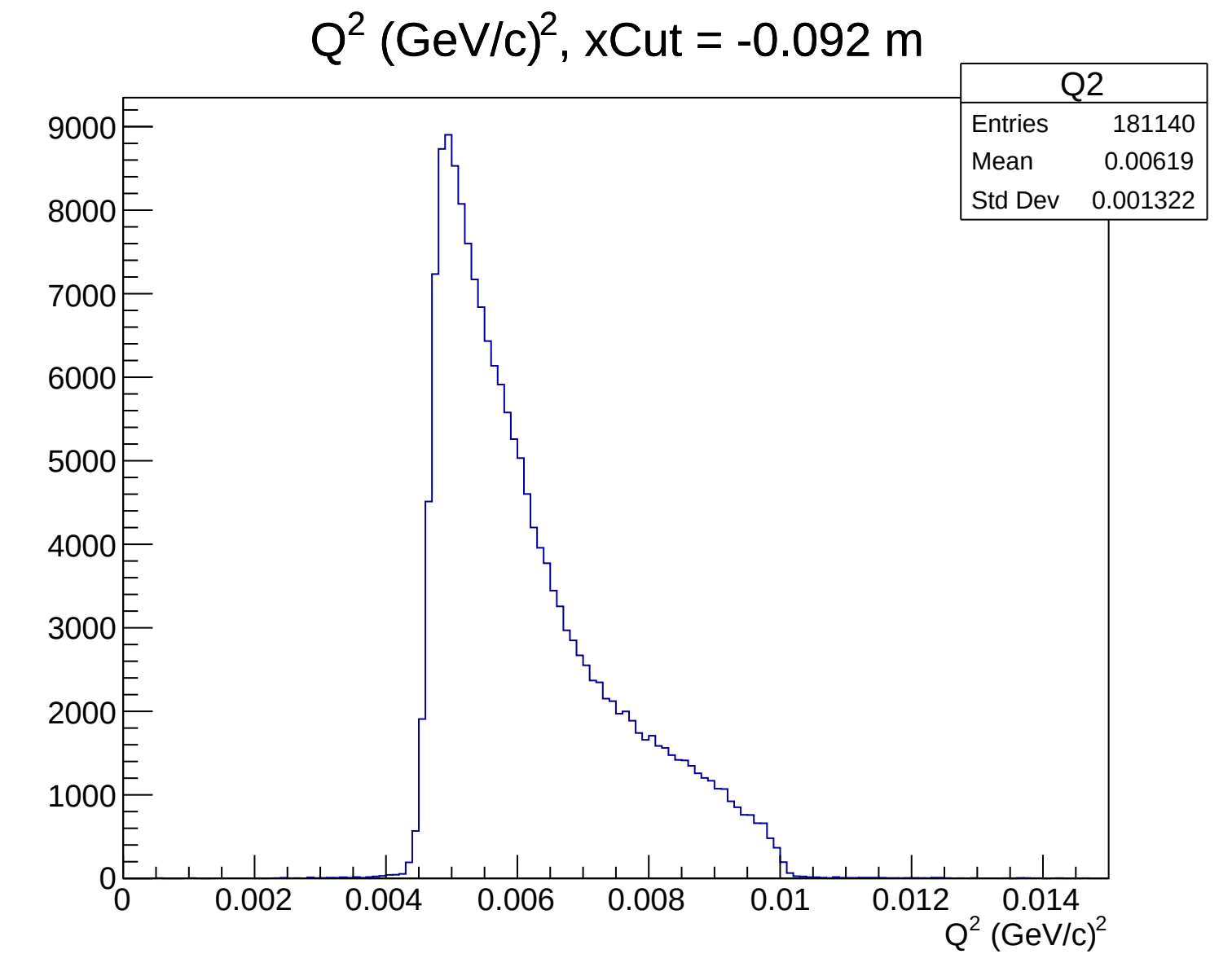

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.092
L.tr.x[0]+1.3*L.tr.th[0] (m)

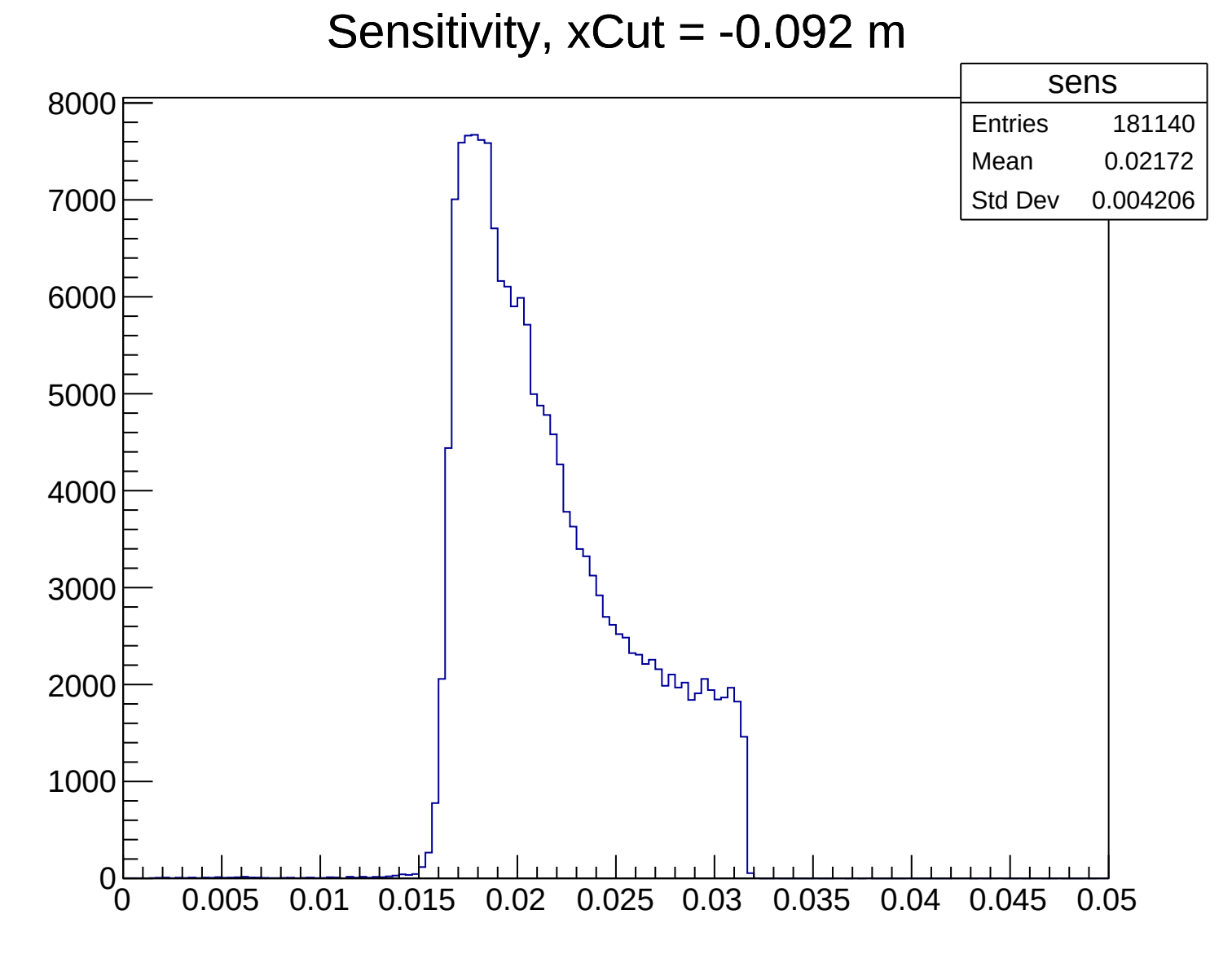

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

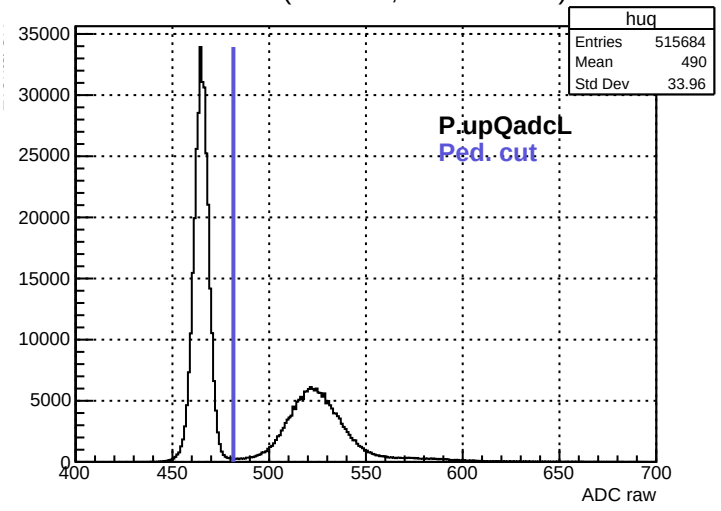

θlab (deg), xCut = -0.092 m
Theta
Entries 181140
Mean 4.732
Std Dev 0.4911
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

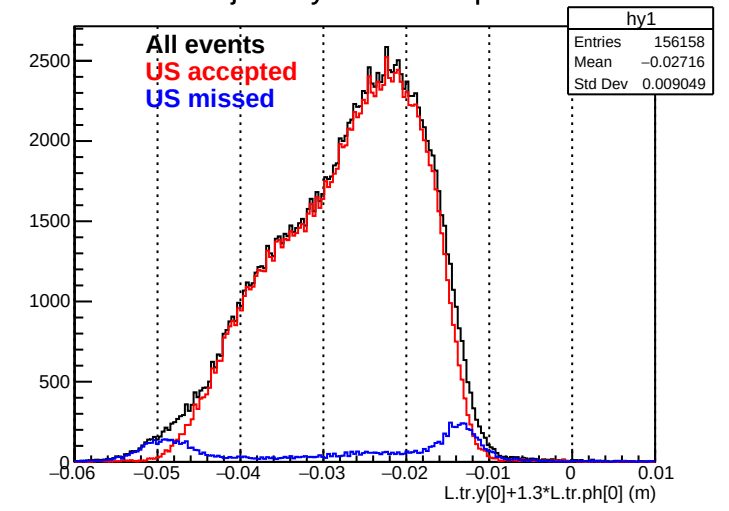

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 181140
Mean 0.5602
Std Dev 0.08586
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

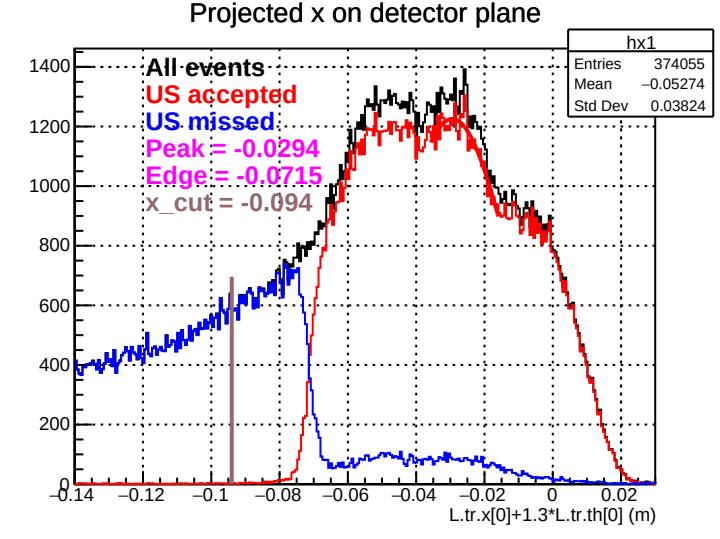

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 181140
Mean 0.5477
Std Dev 0.08185
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

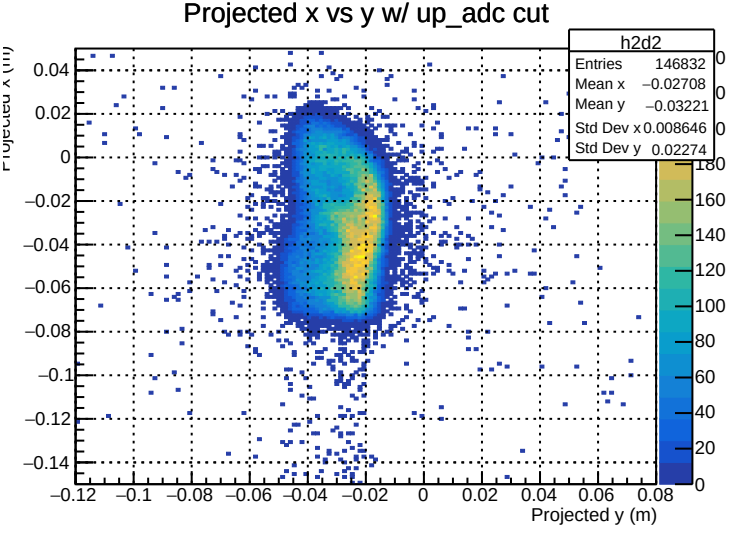

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 181140
Mean 0.00619
Std Dev 0.001322
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

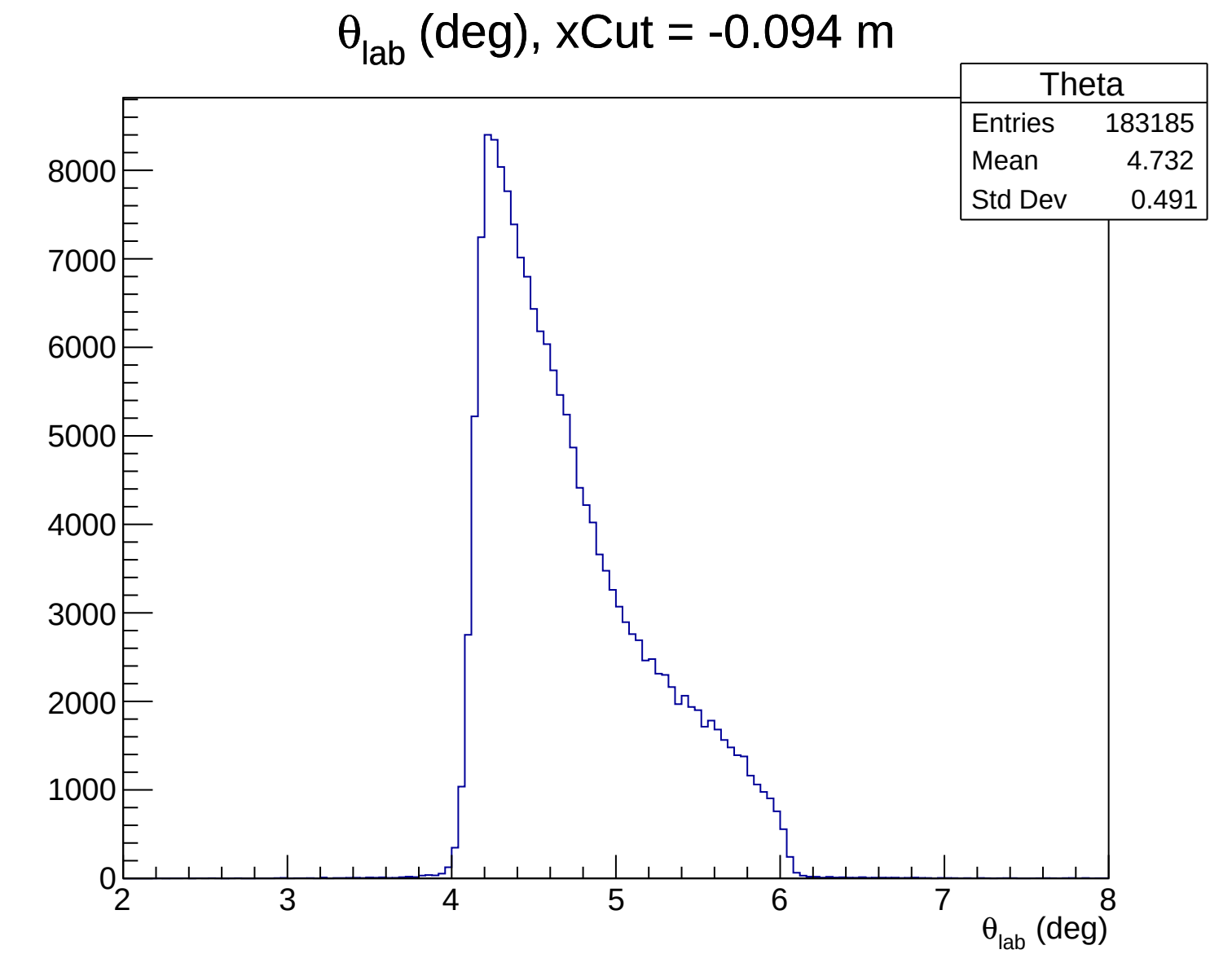

Sensitivity, xCut = -0.092 m
sens
Entries 181140
Mean 0.02172
Std Dev 0.004206
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

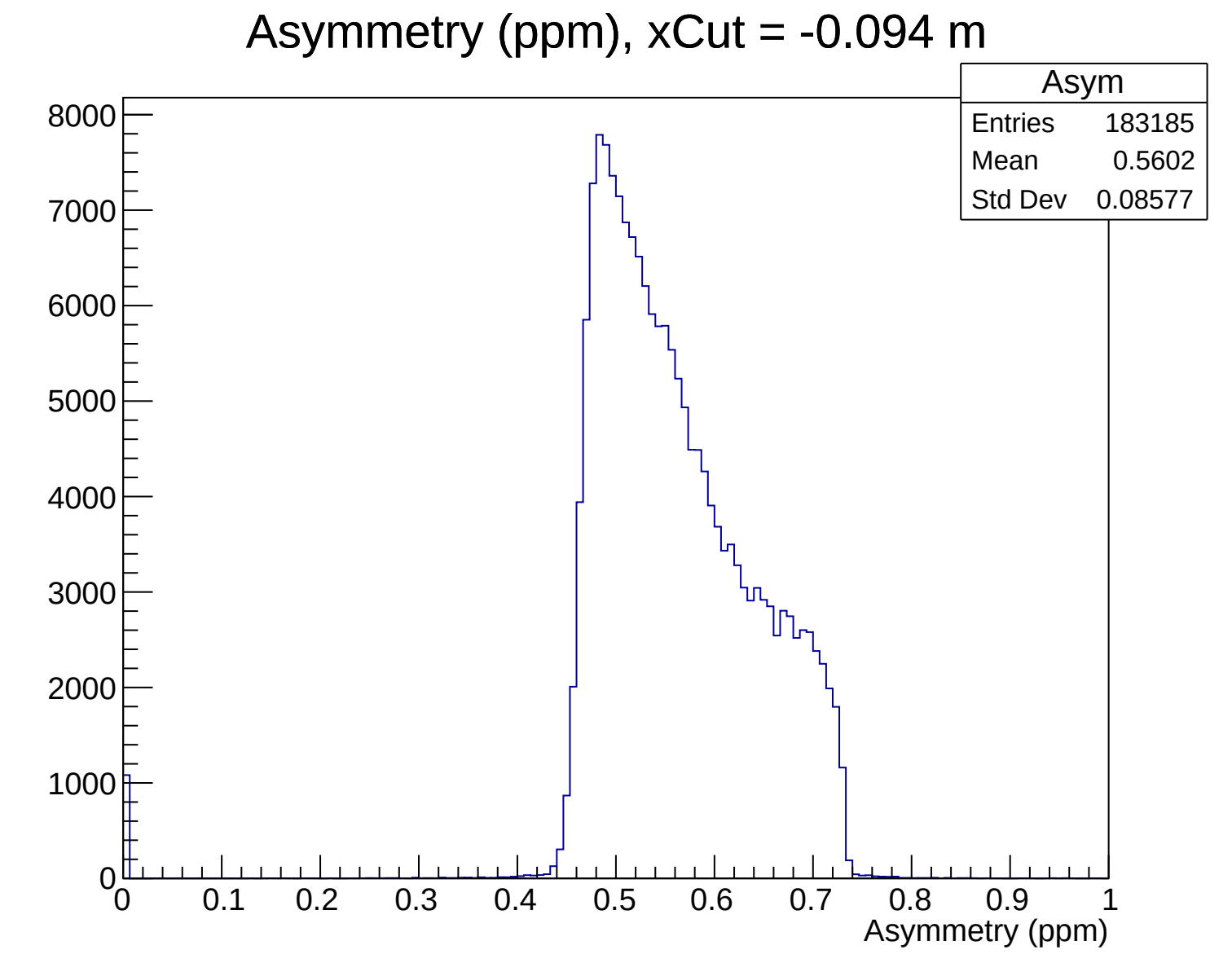

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

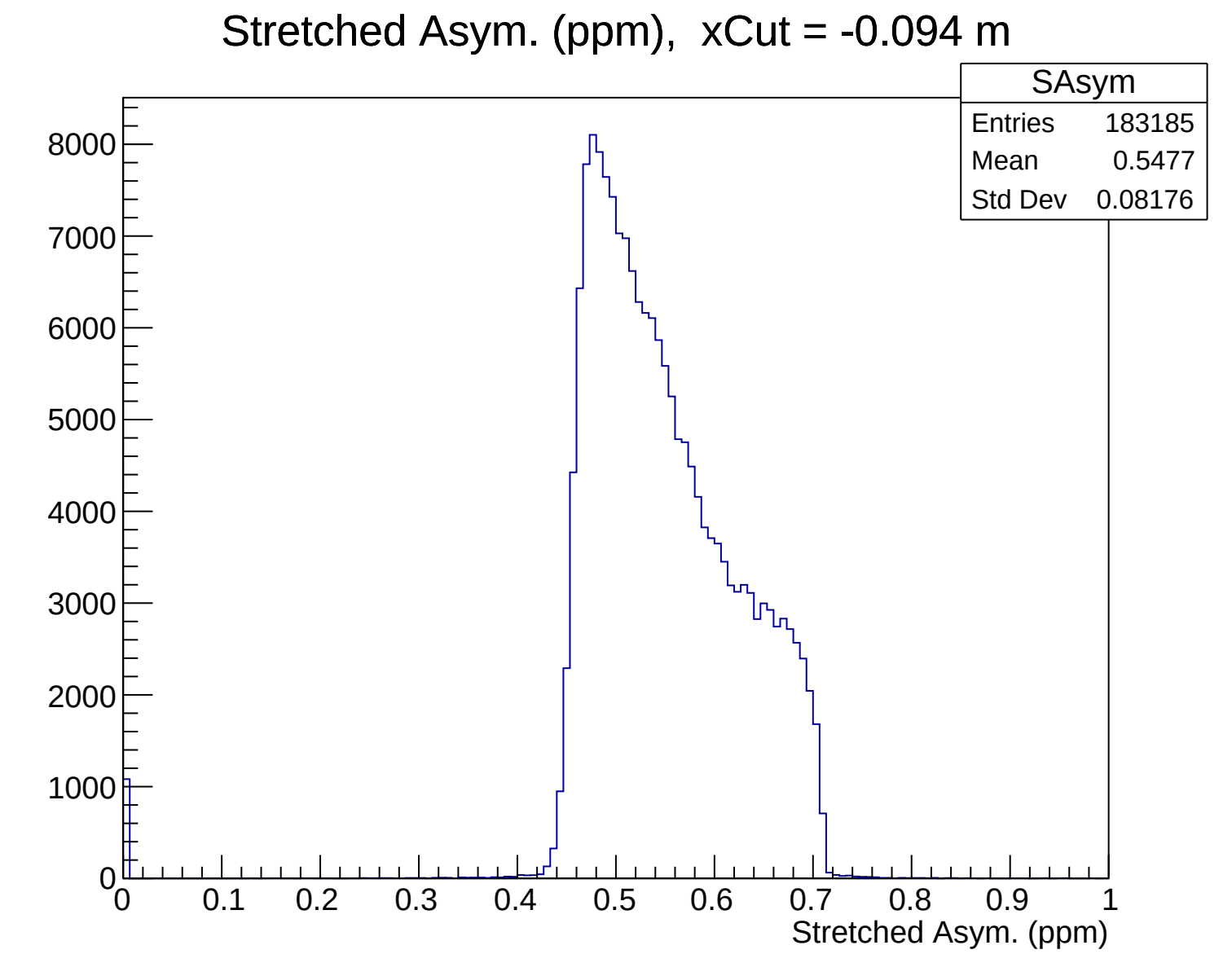

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

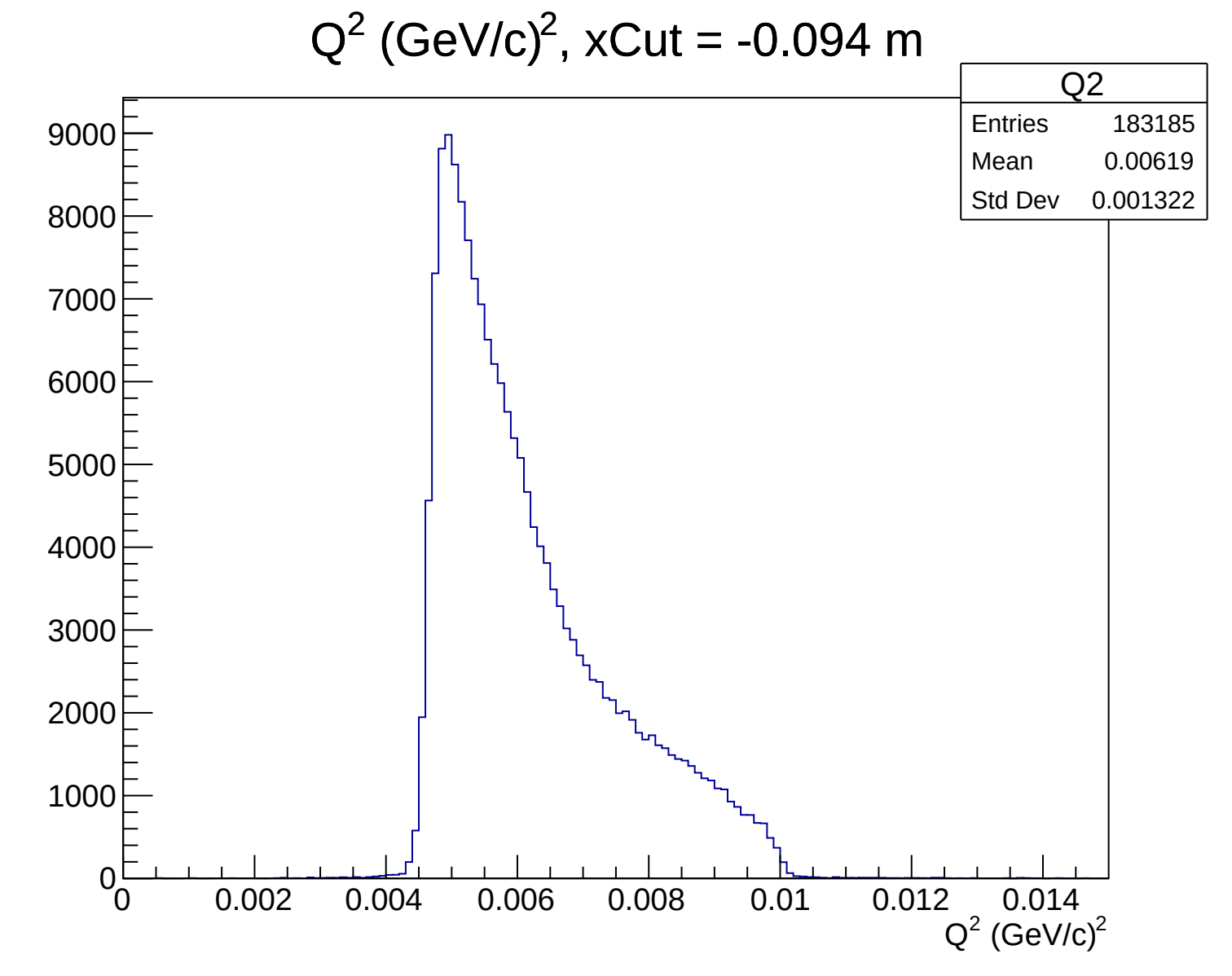

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

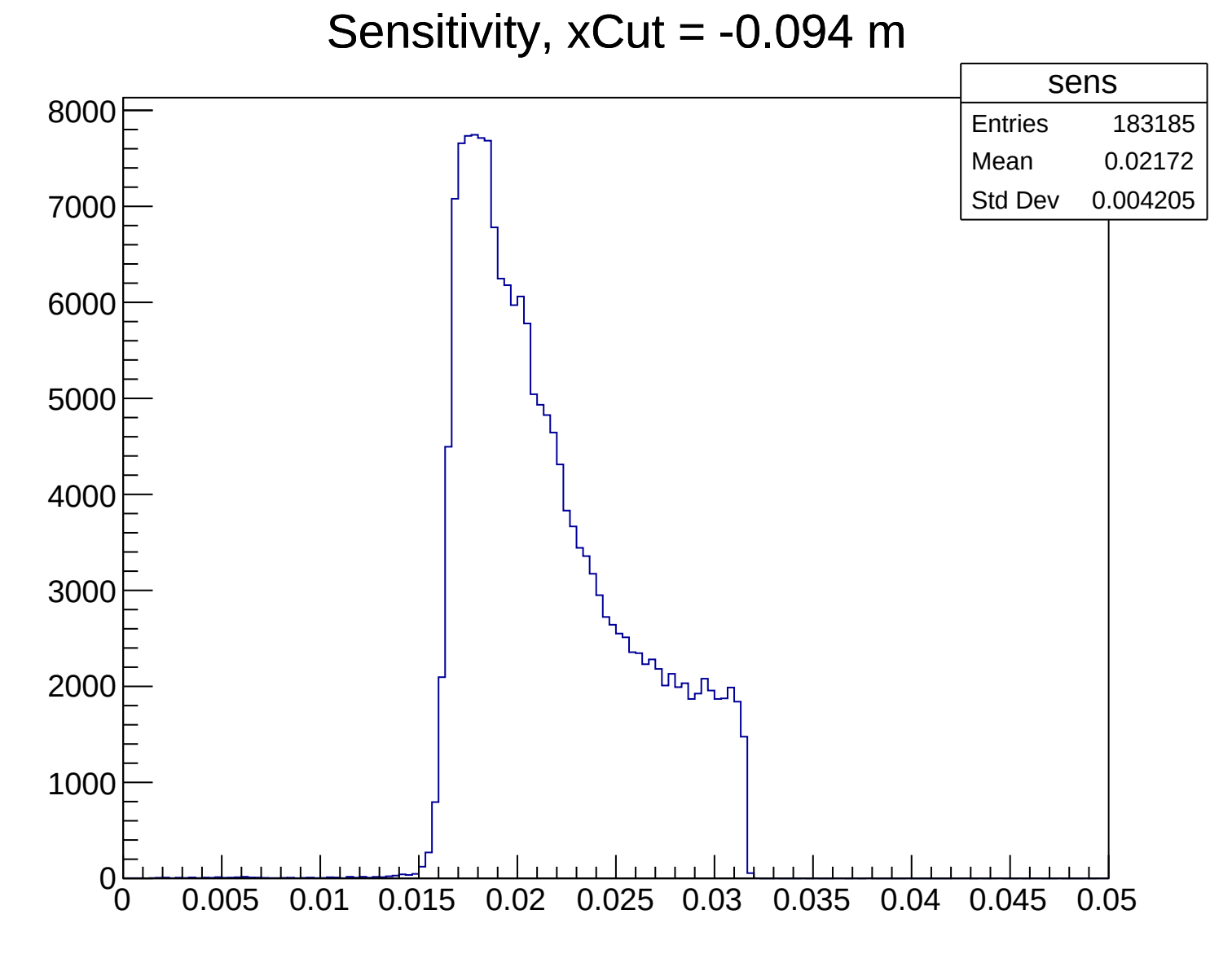

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

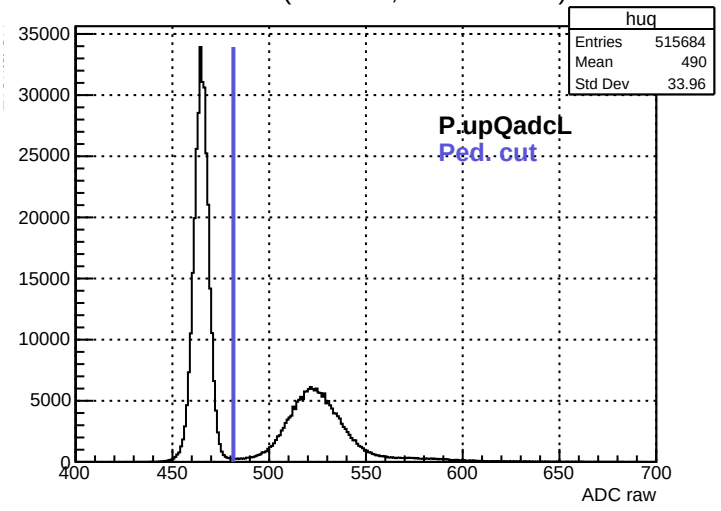

θlab (deg), xCut = -0.094 m
Theta
Entries 183185
Mean 4.732
Std Dev 0.491
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

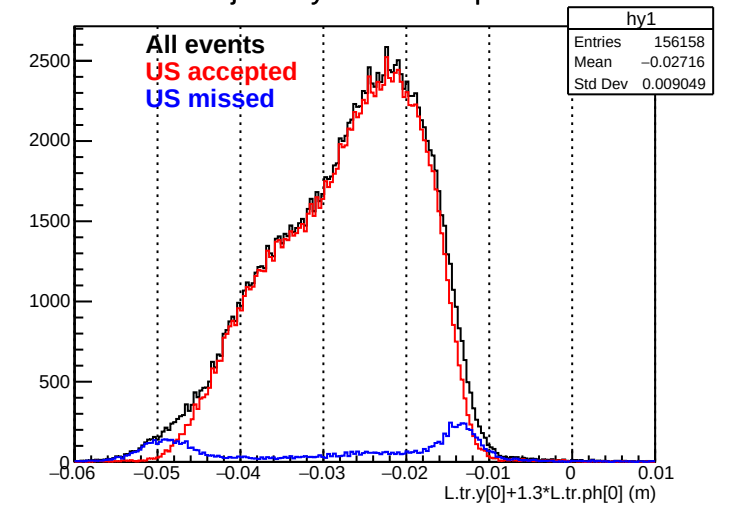

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 183185
Mean 0.5602
Std Dev 0.08577
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

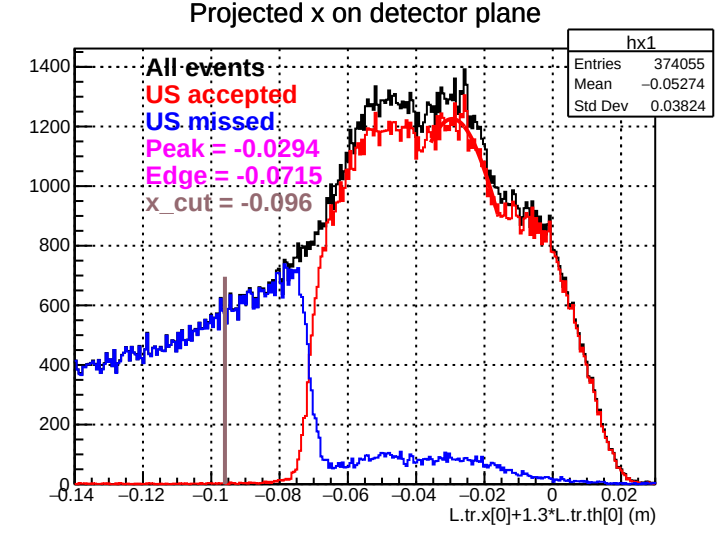

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 183185
Mean 0.5477
Std Dev 0.08176
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

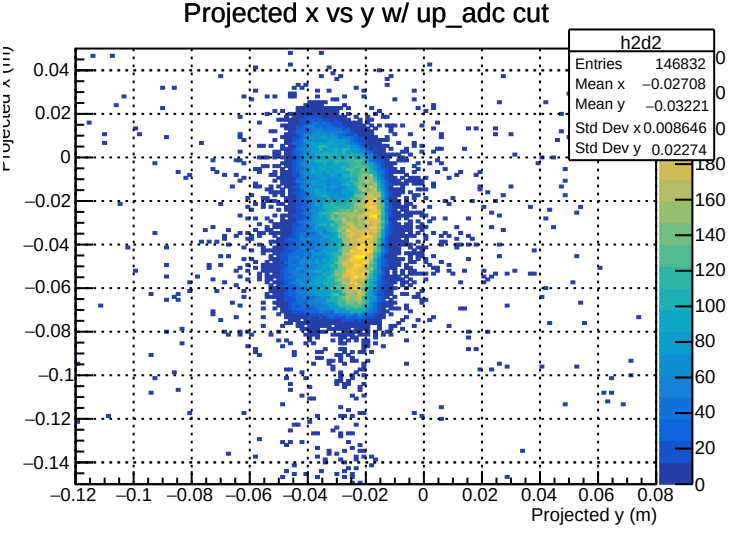

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 183185
Mean 0.00619
Std Dev 0.001322
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

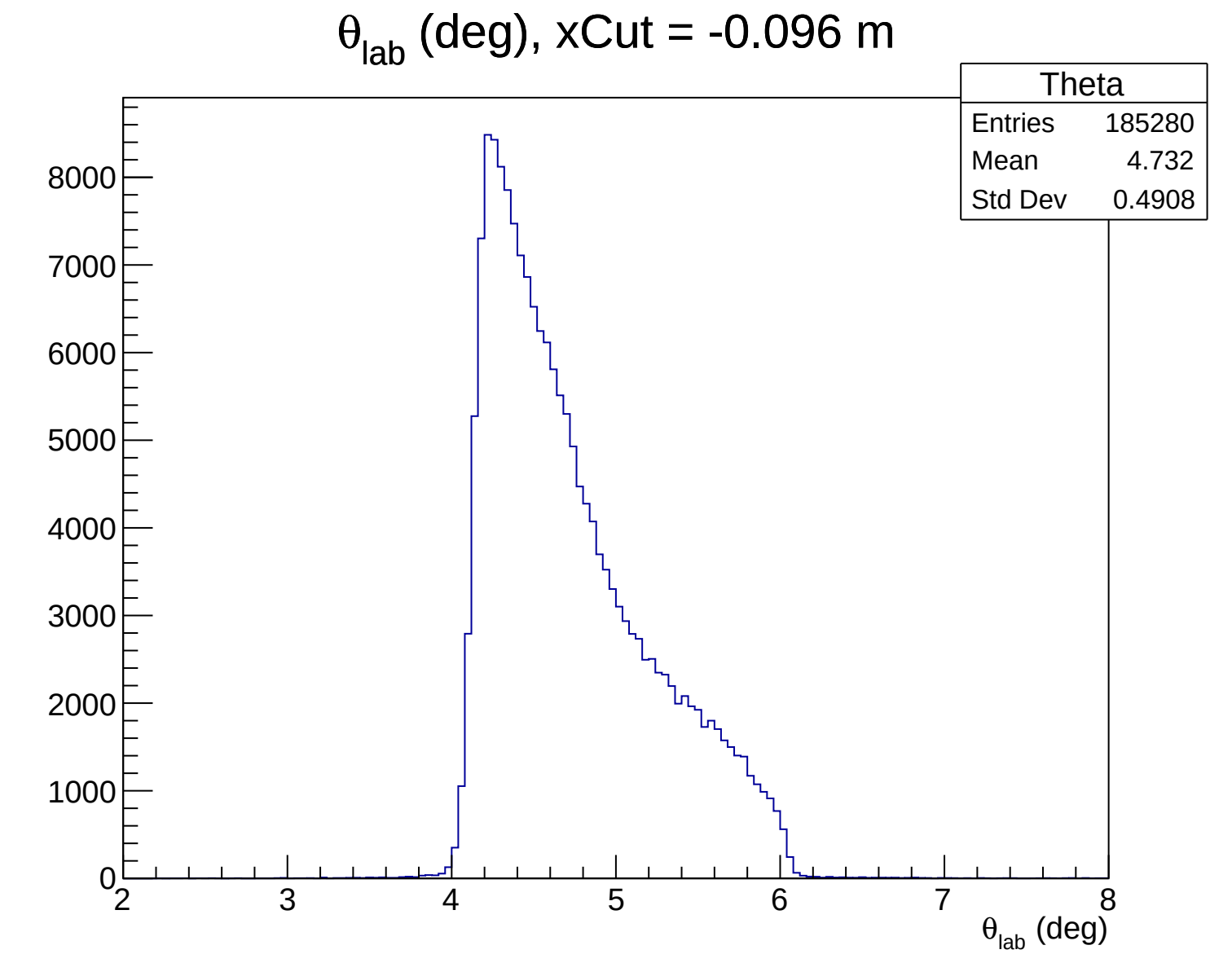

Sensitivity, xCut = -0.094 m
sens
Entries 183185
Mean 0.02172
Std Dev 0.004205
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

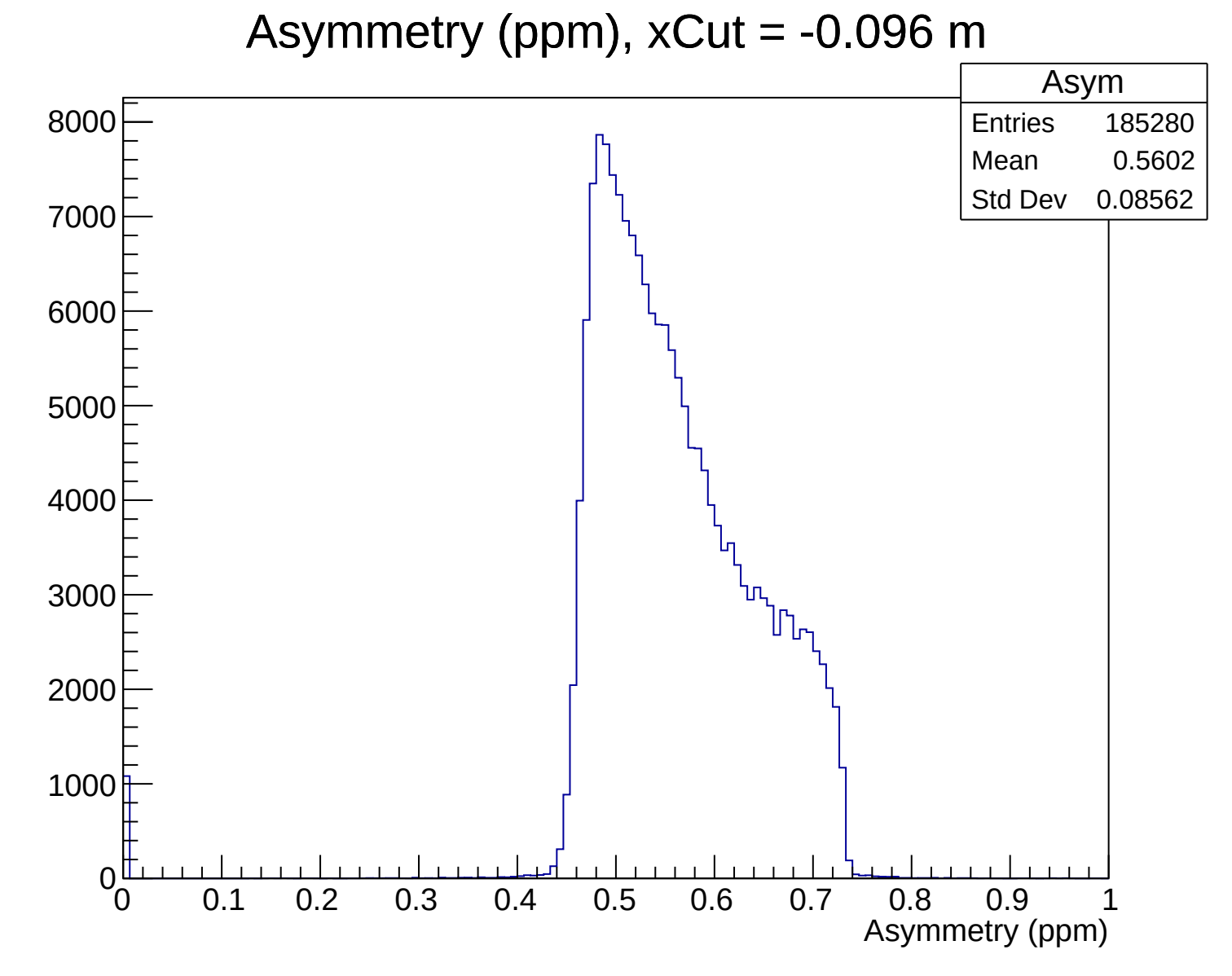

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

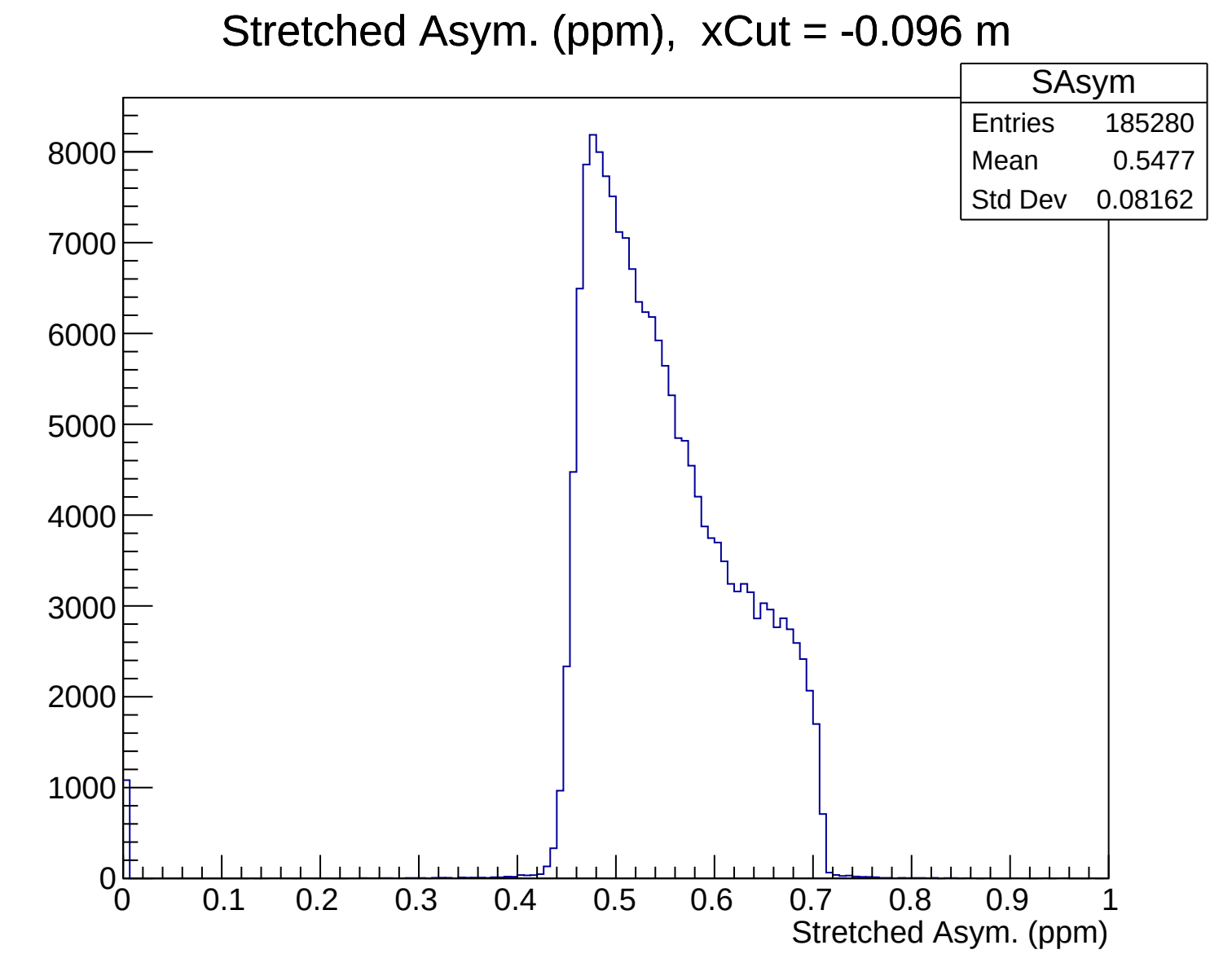

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

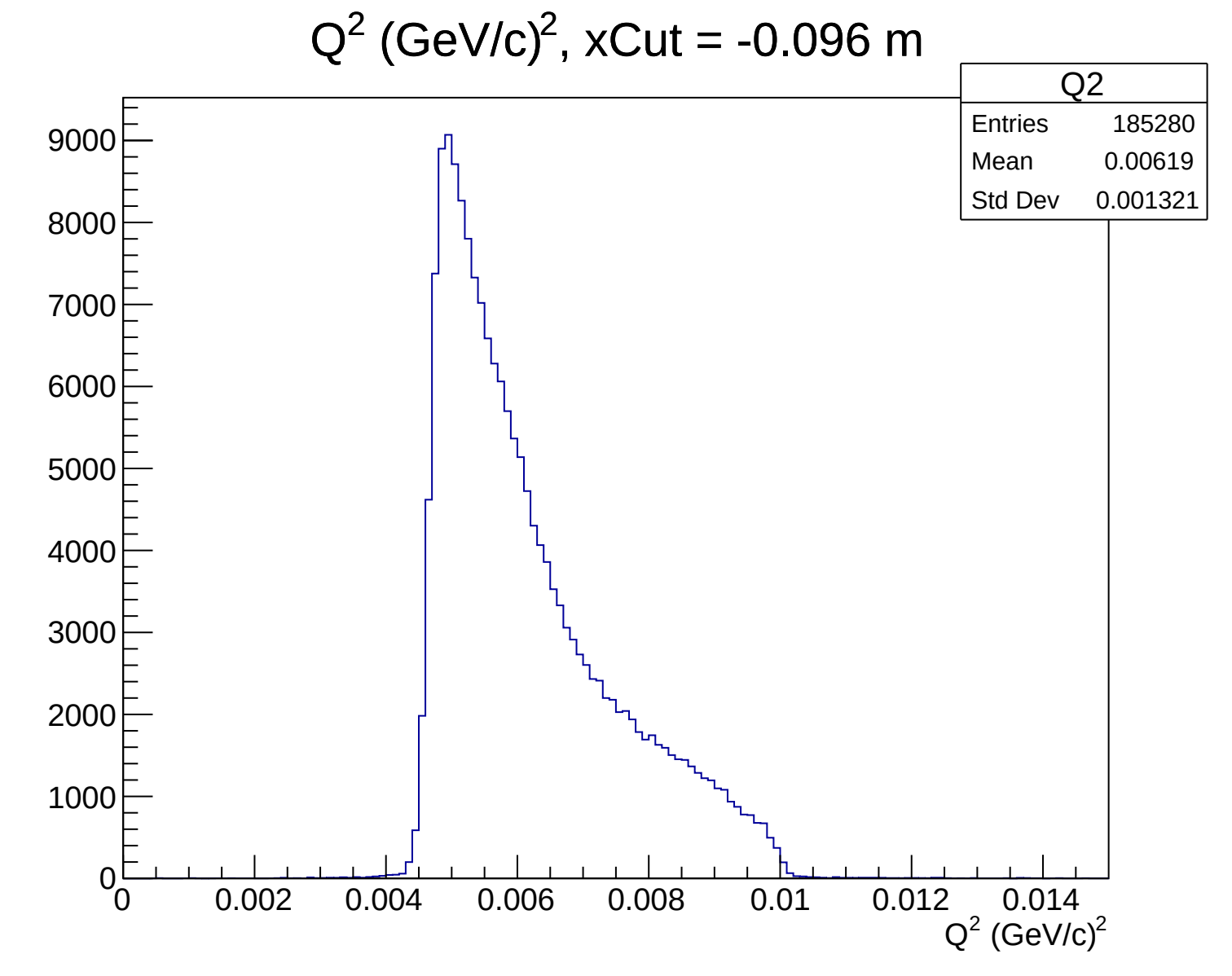

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.096
L.tr.x[0]+1.3*L.tr.th[0] (m)

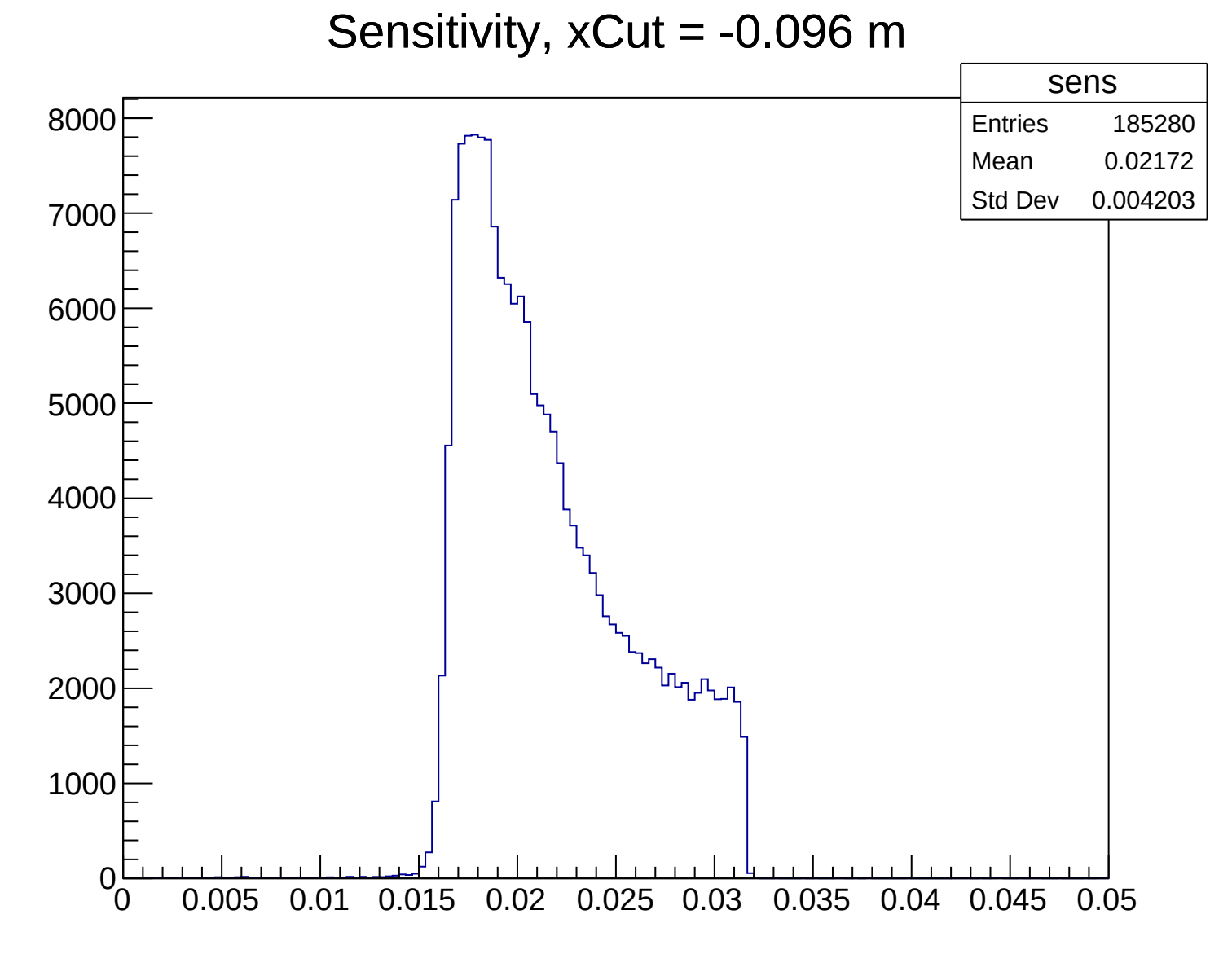

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

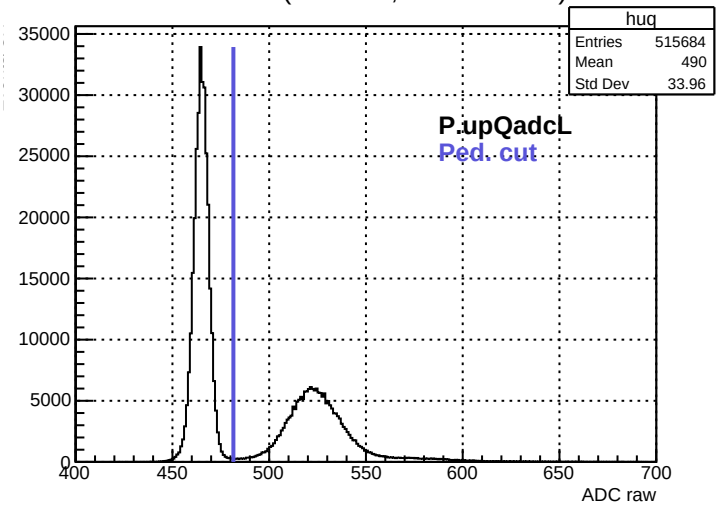

θlab (deg), xCut = -0.096 m
Theta
Entries 185280
Mean 4.732
Std Dev 0.4908
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

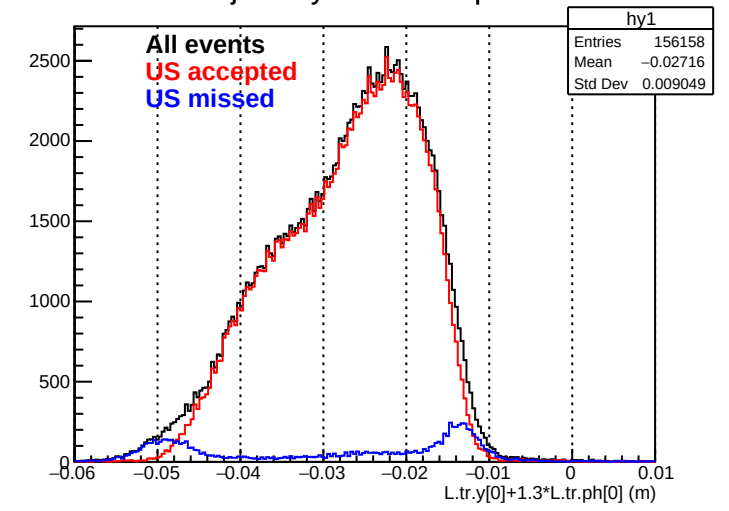

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 185280
Mean 0.5602
Std Dev 0.08562
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

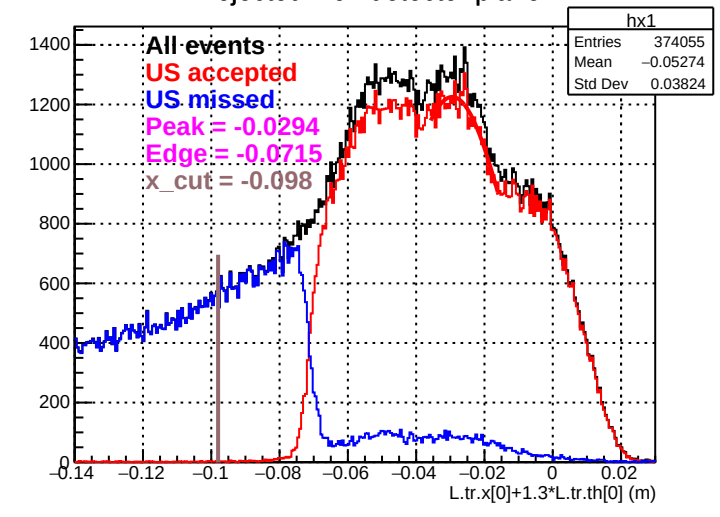

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 185280
Mean 0.5477
Std Dev 0.08162
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

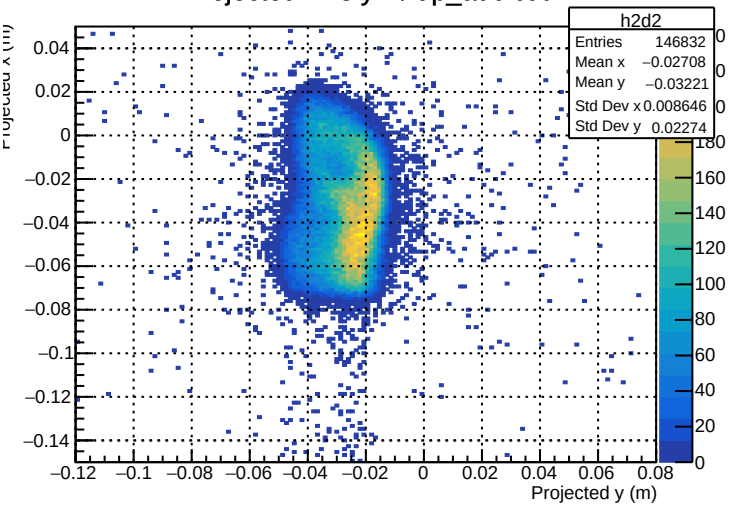

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 185280
Mean 0.00619
Std Dev 0.001321
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

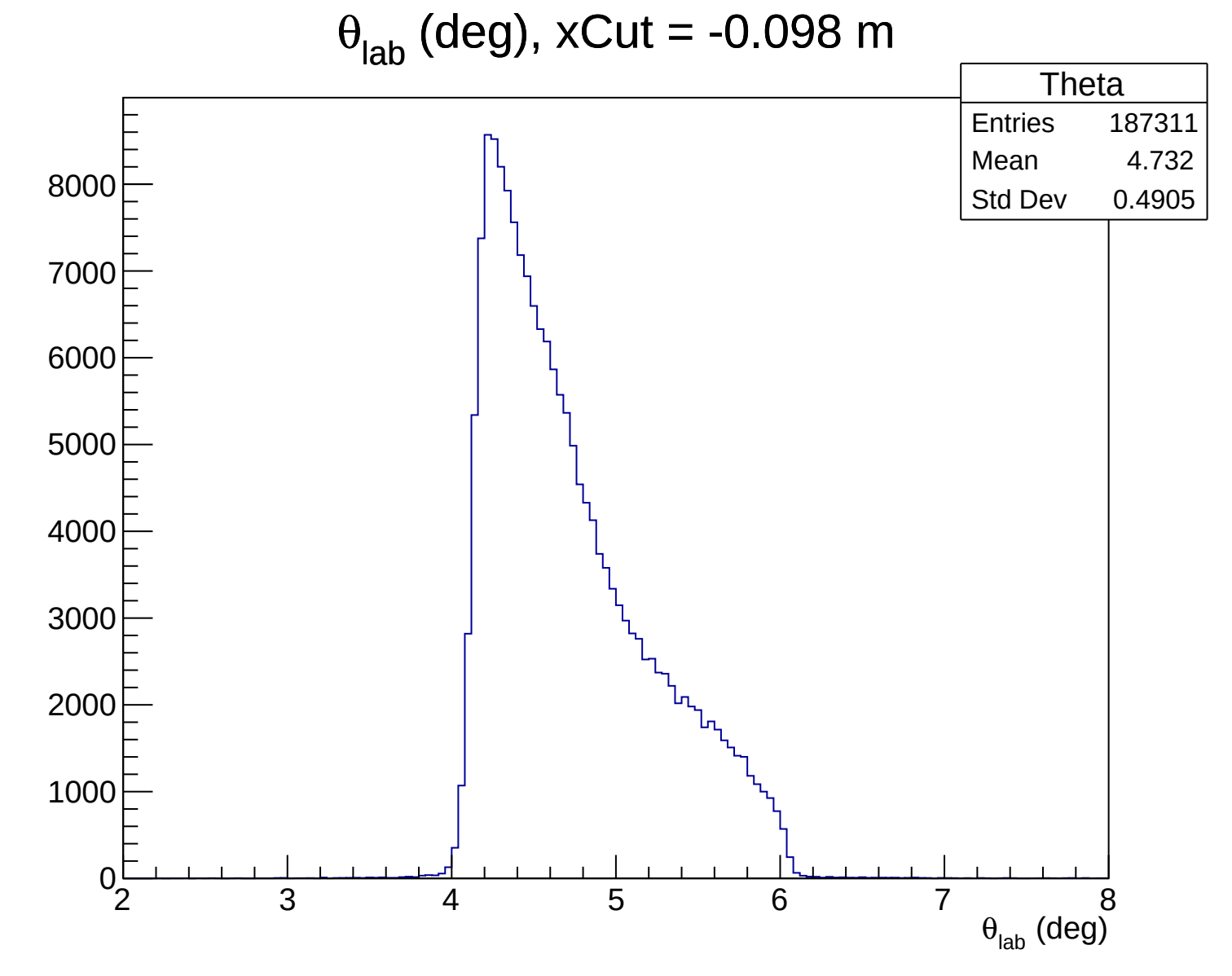

Sensitivity, xCut = -0.096 m
sens
Entries 185280
Mean 0.02172
Std Dev 0.004203
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

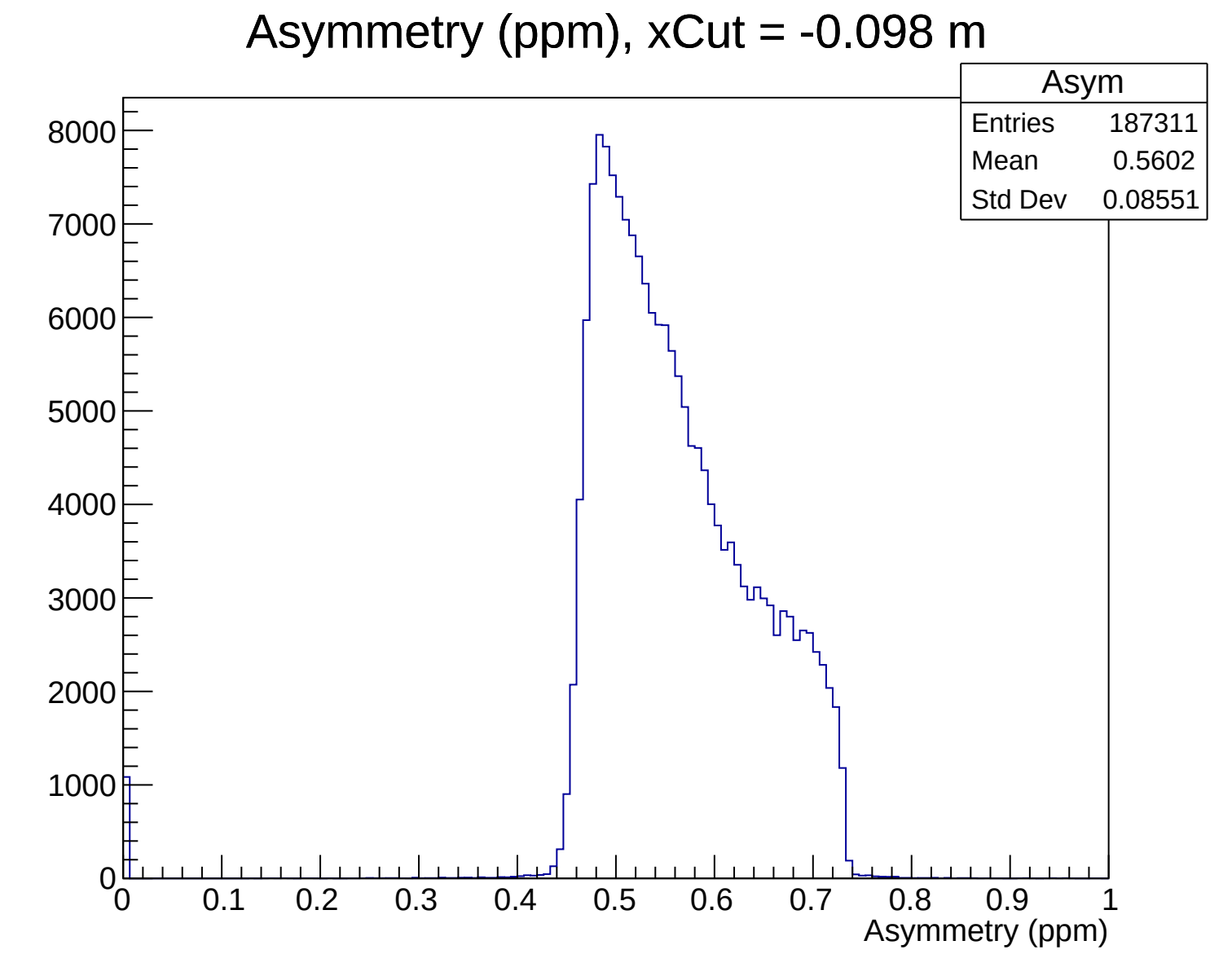

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

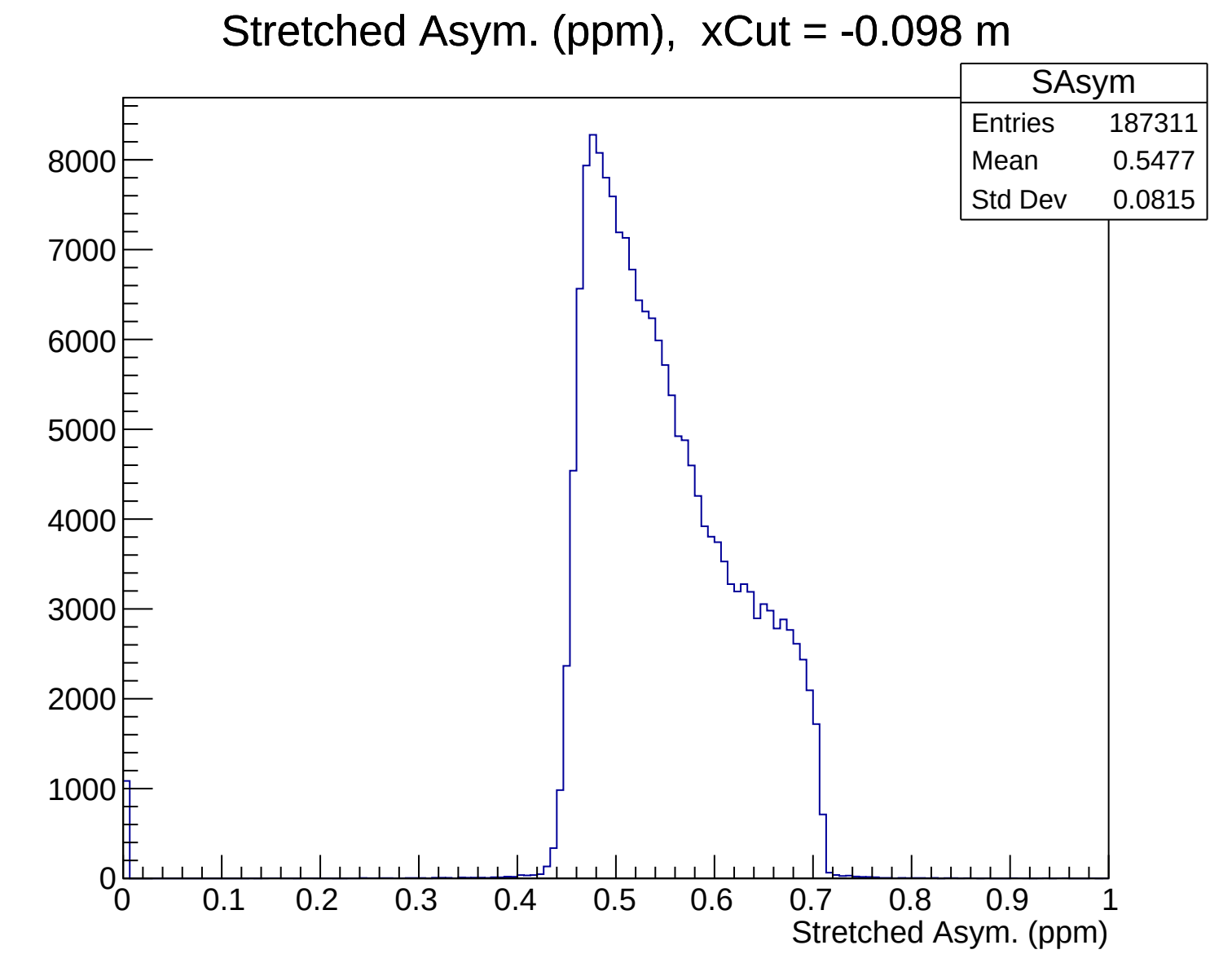

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

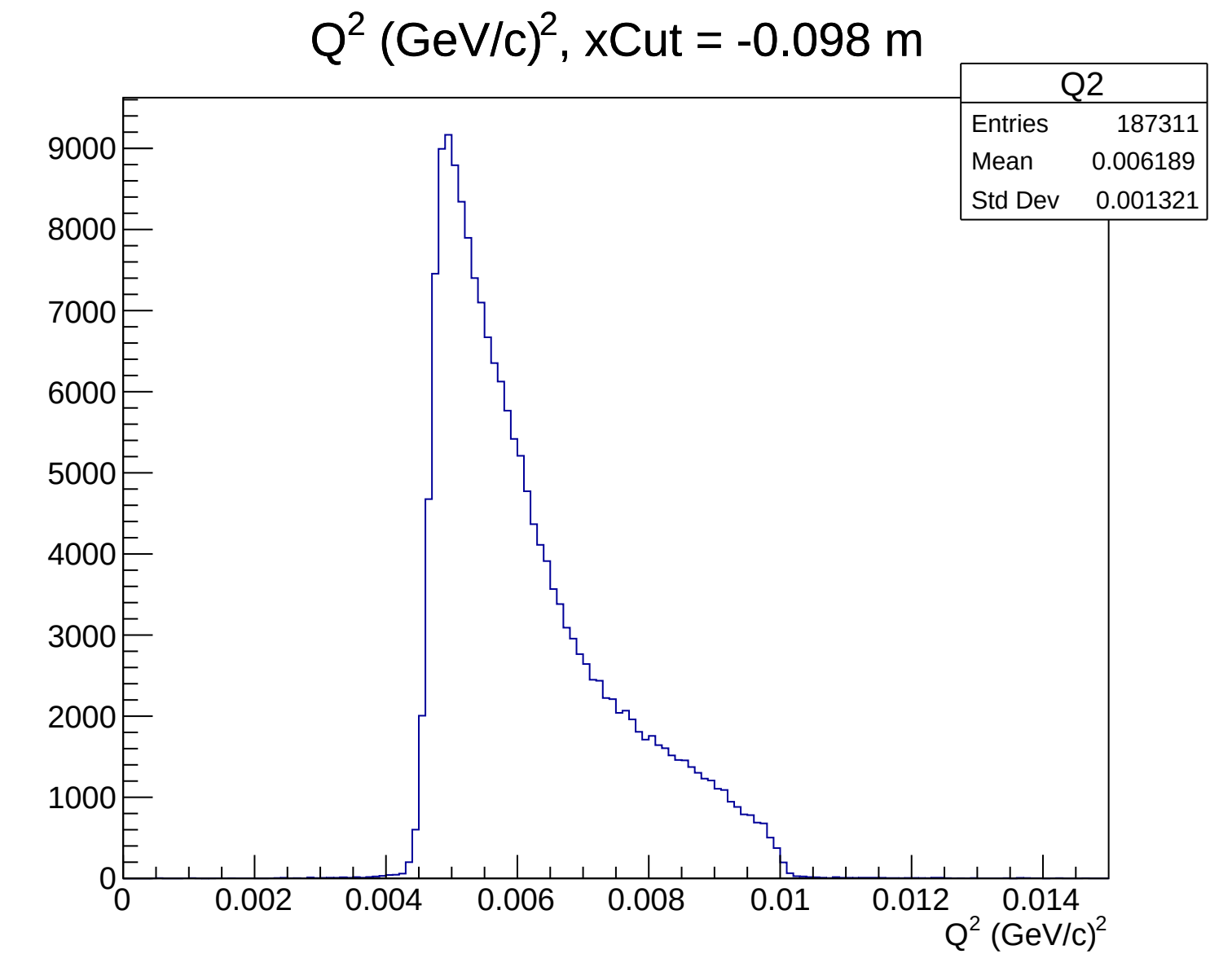

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

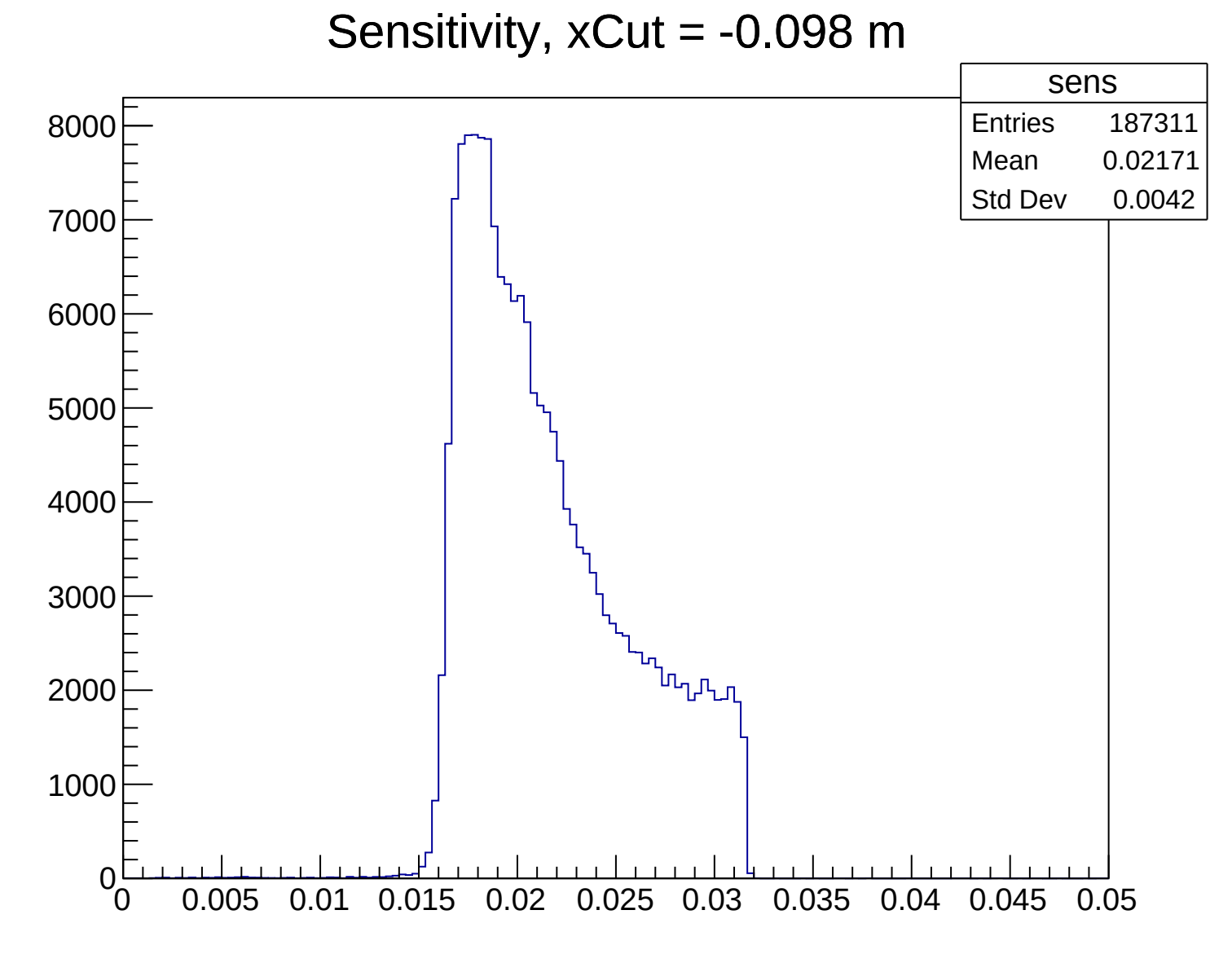

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

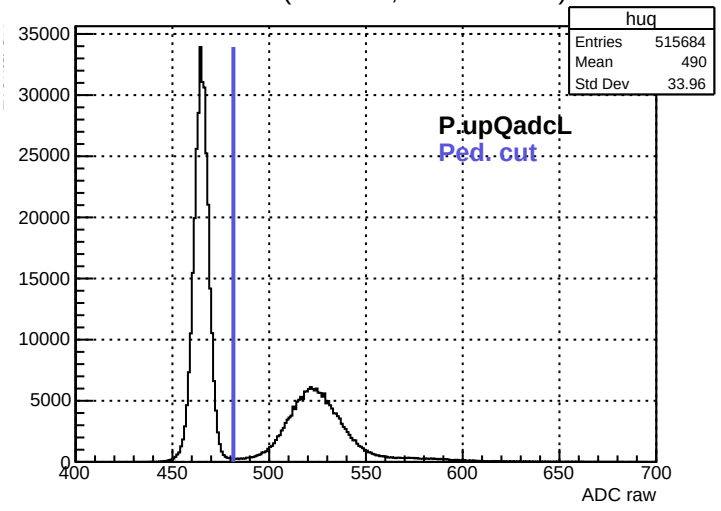

θlab (deg), xCut = -0.098 m
Theta
Entries 187311
Mean 4.732
Std Dev 0.4905
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

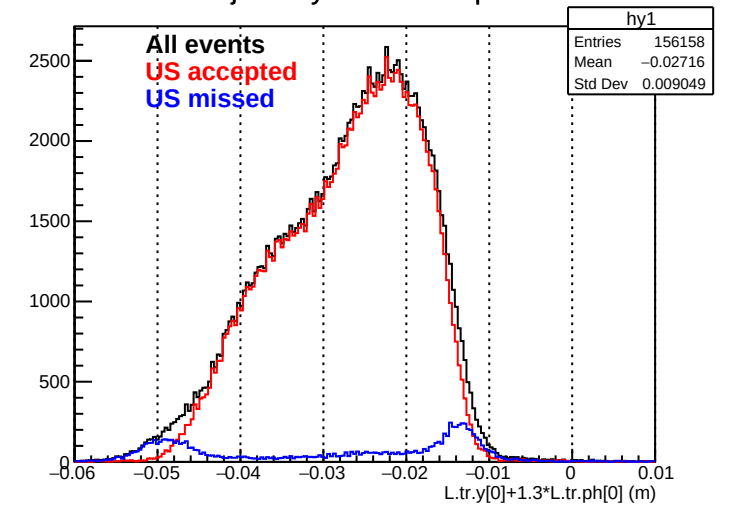

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 187311
Mean 0.5602
Std Dev 0.08551
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

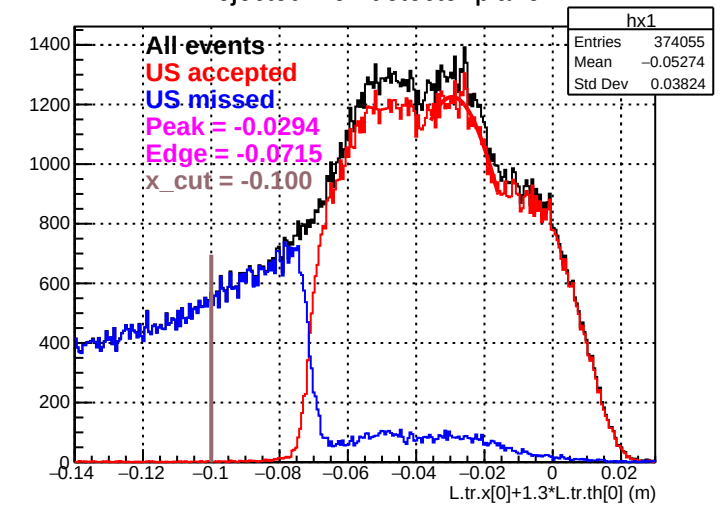

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 187311
Mean 0.5477
Std Dev 0.0815
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

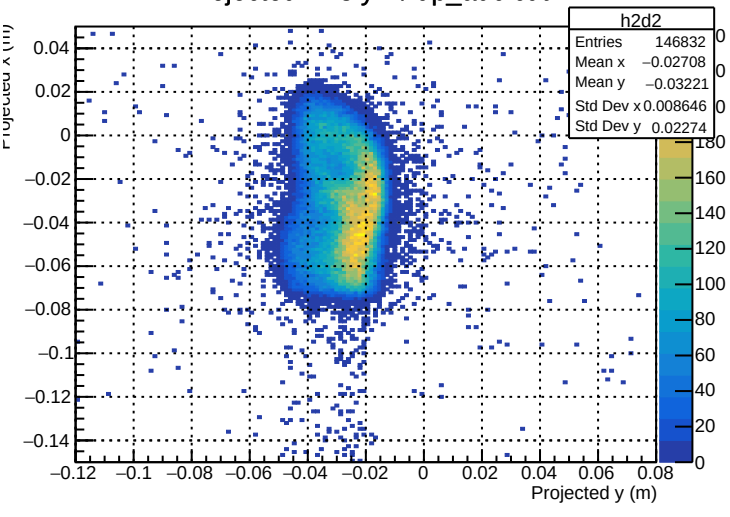

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 187311
Mean 0.006189
Std Dev 0.001321
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

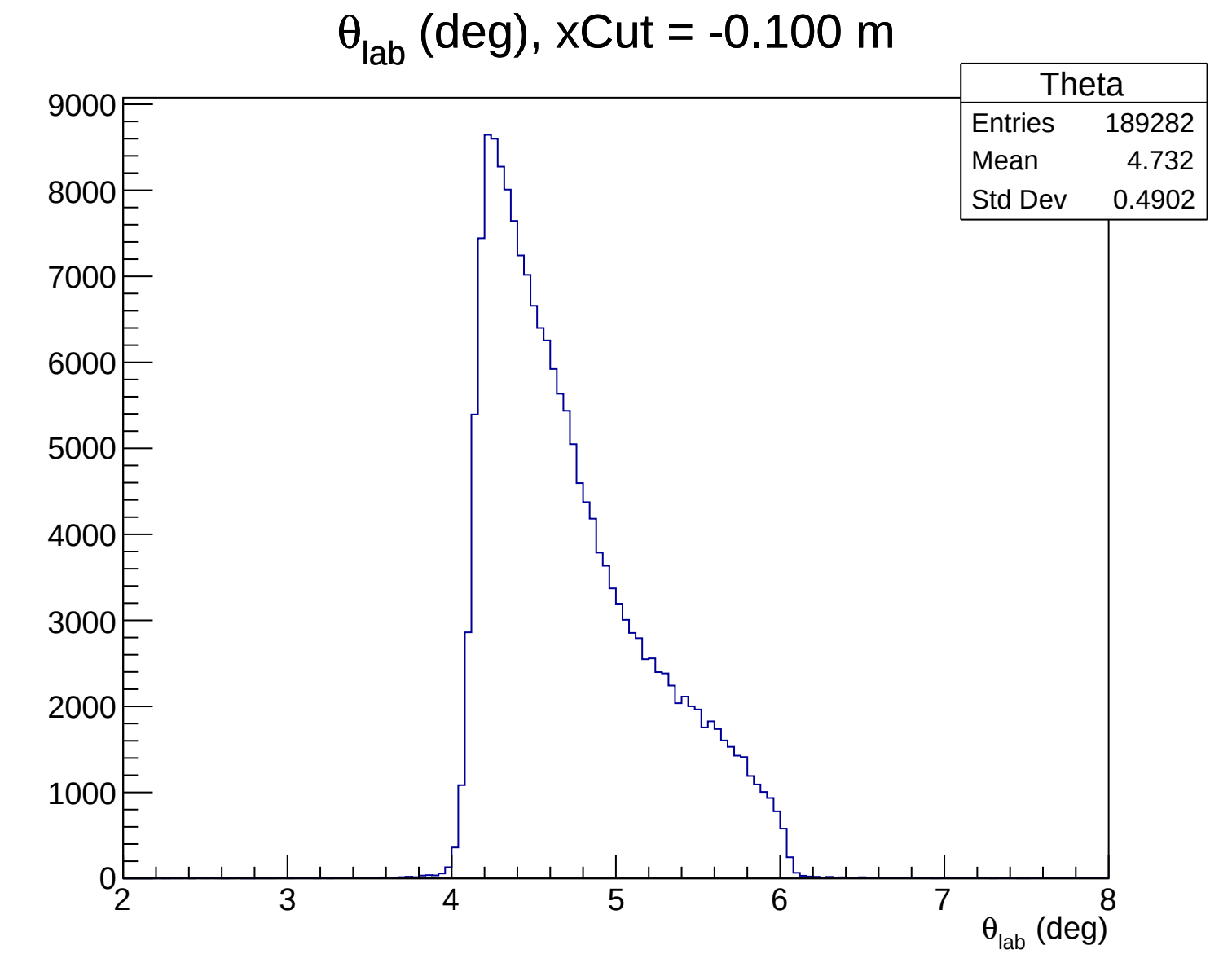

Sensitivity, xCut = -0.098 m
sens
Entries 187311
Mean 0.02171
Std Dev 0.0042
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

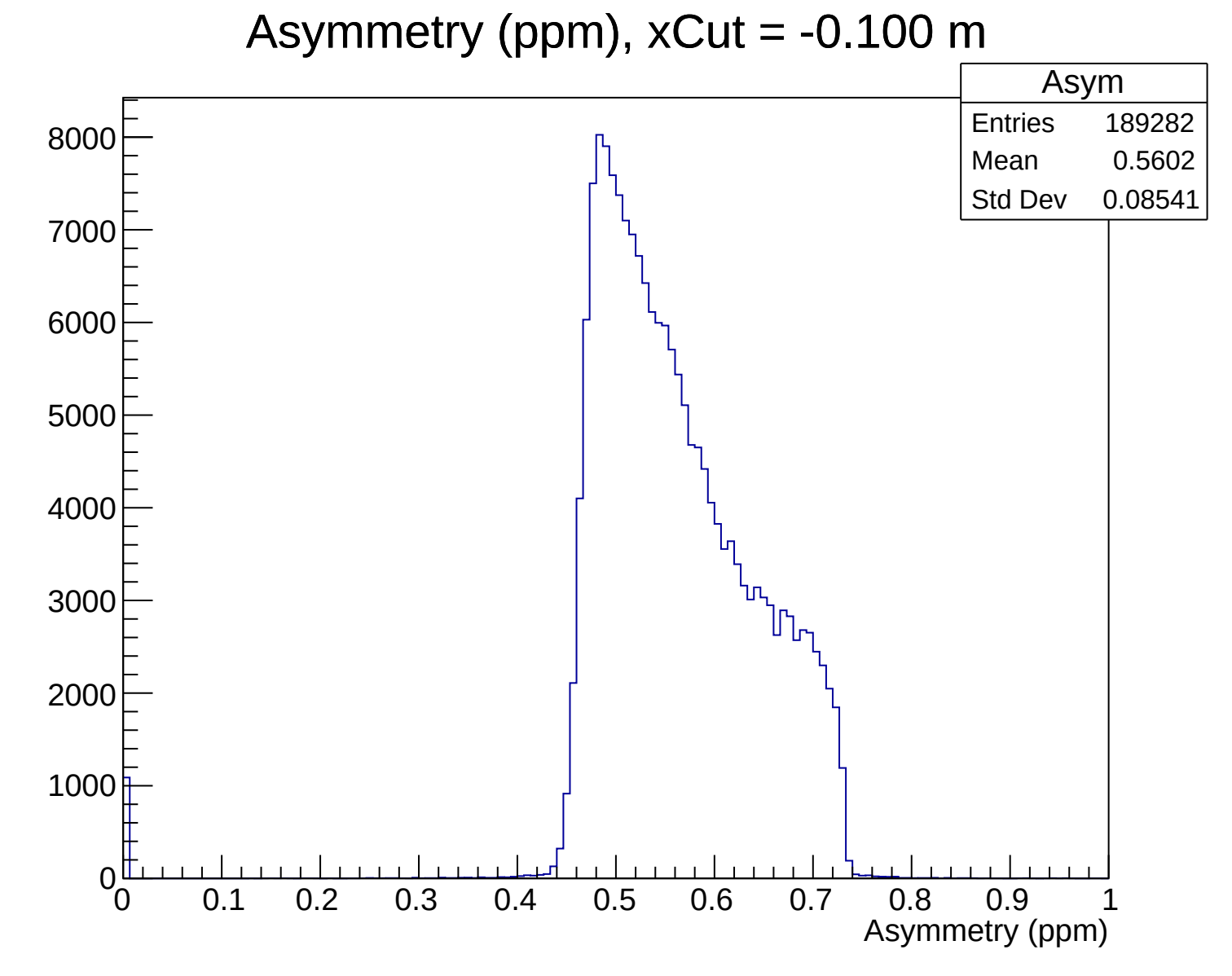

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

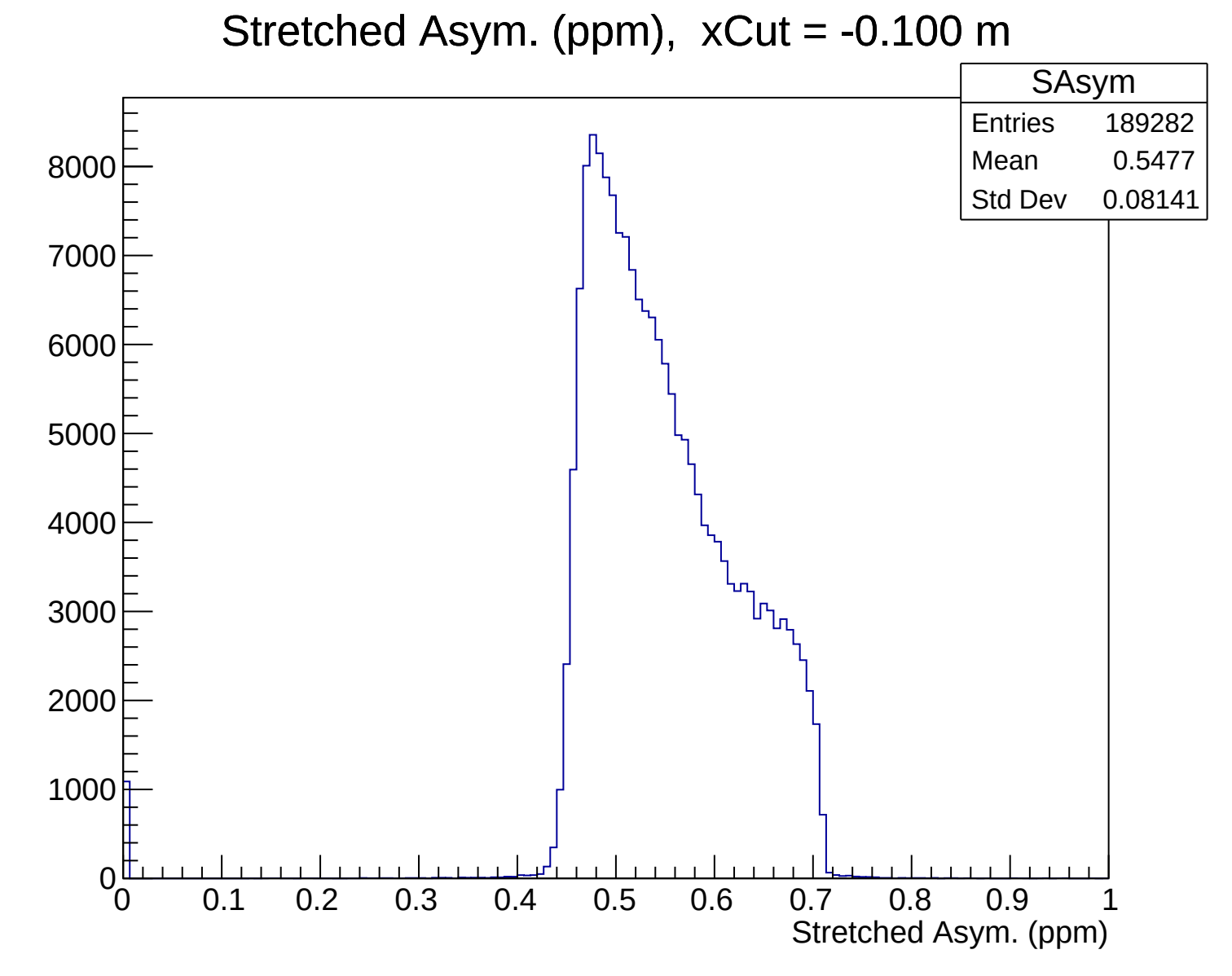

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

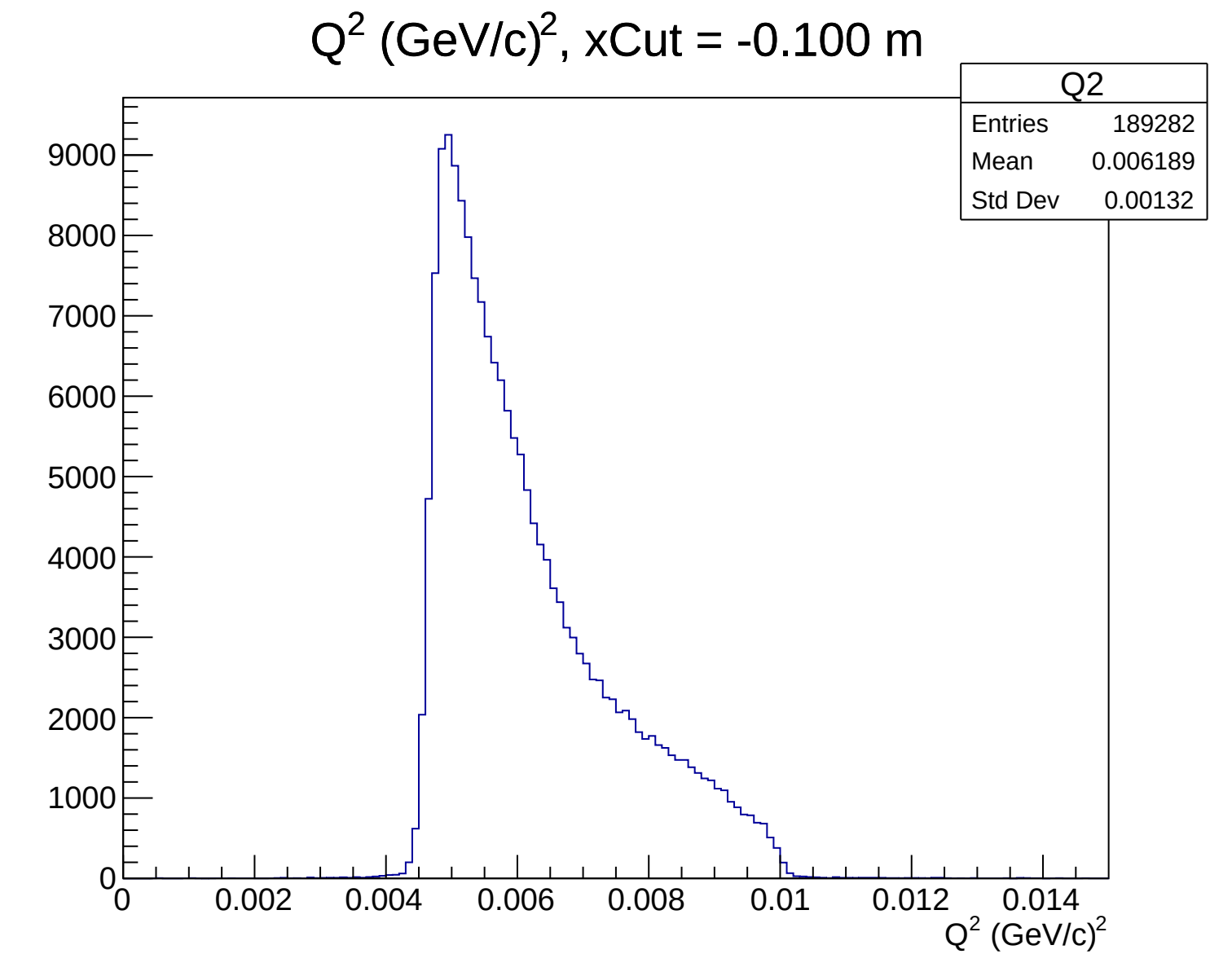

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

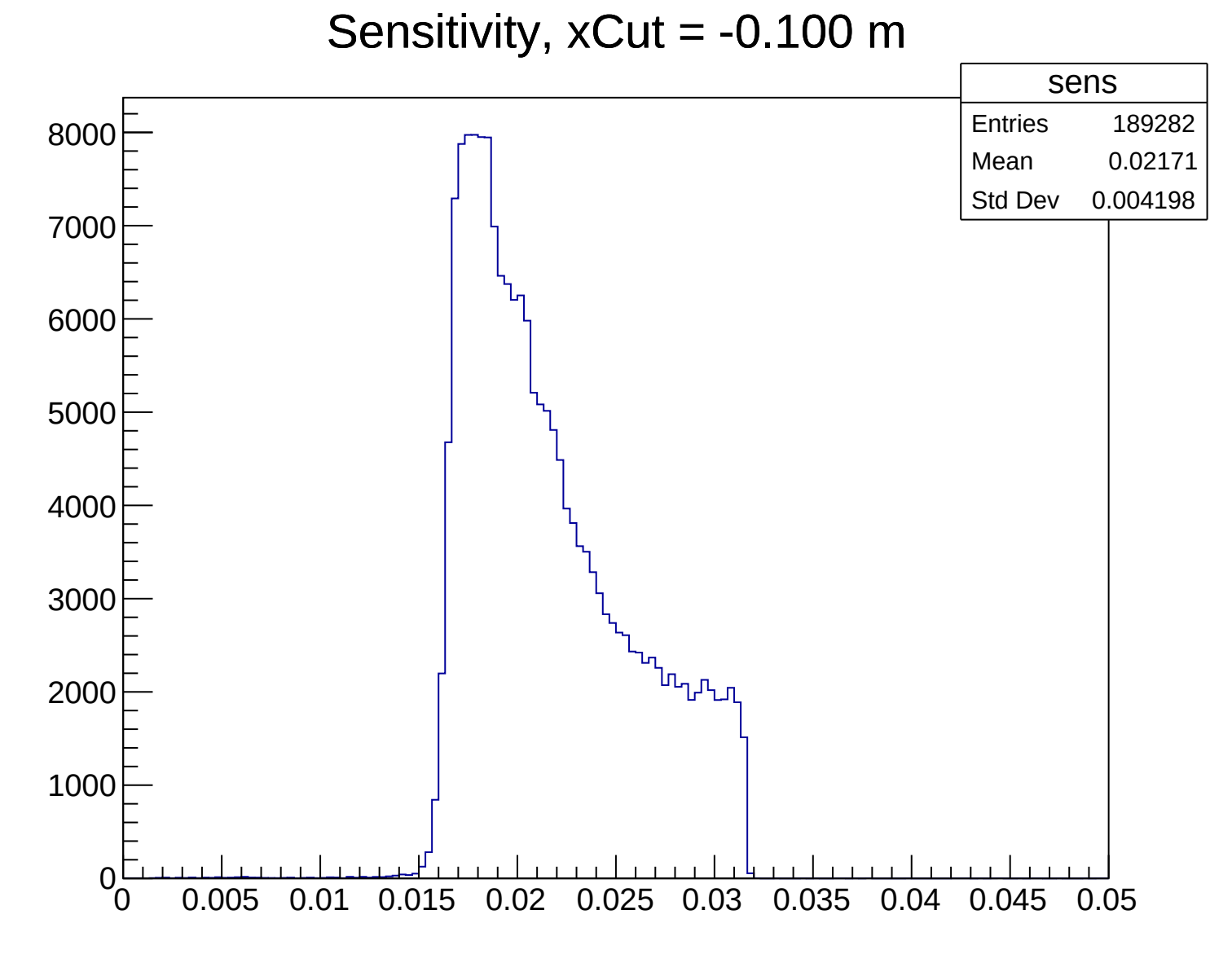

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

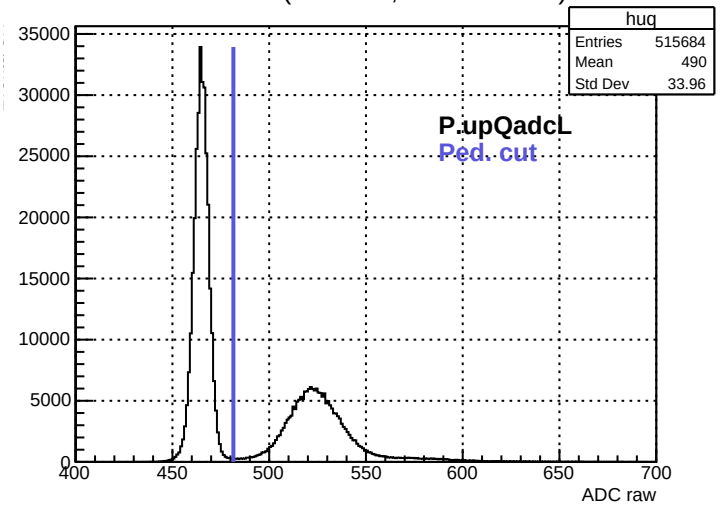

θlab (deg), xCut = -0.100 m
Theta
Entries 189282
Mean 4.732
Std Dev 0.4902
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

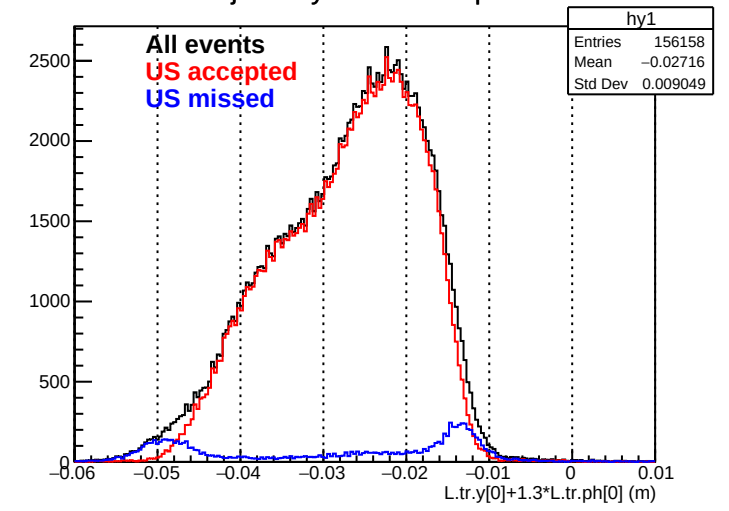

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 189282
Mean 0.5602
Std Dev 0.08541
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

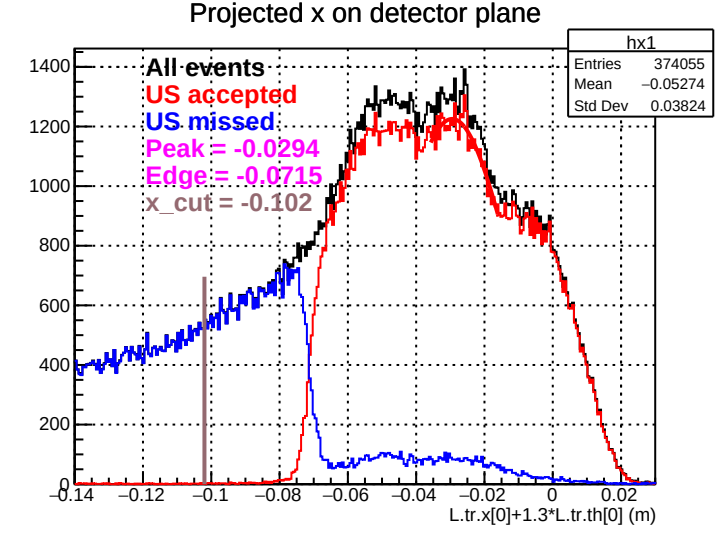

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 189282
Mean 0.5477
Std Dev 0.08141
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

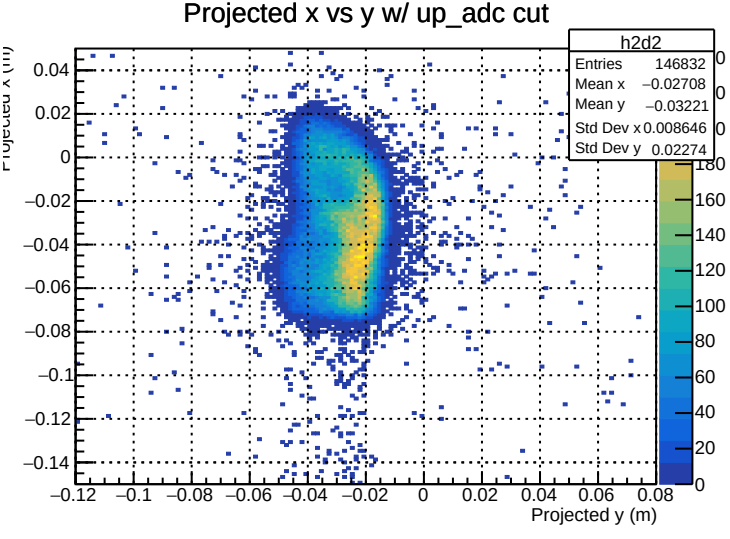

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 189282
Mean 0.006189
Std Dev 0.00132
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

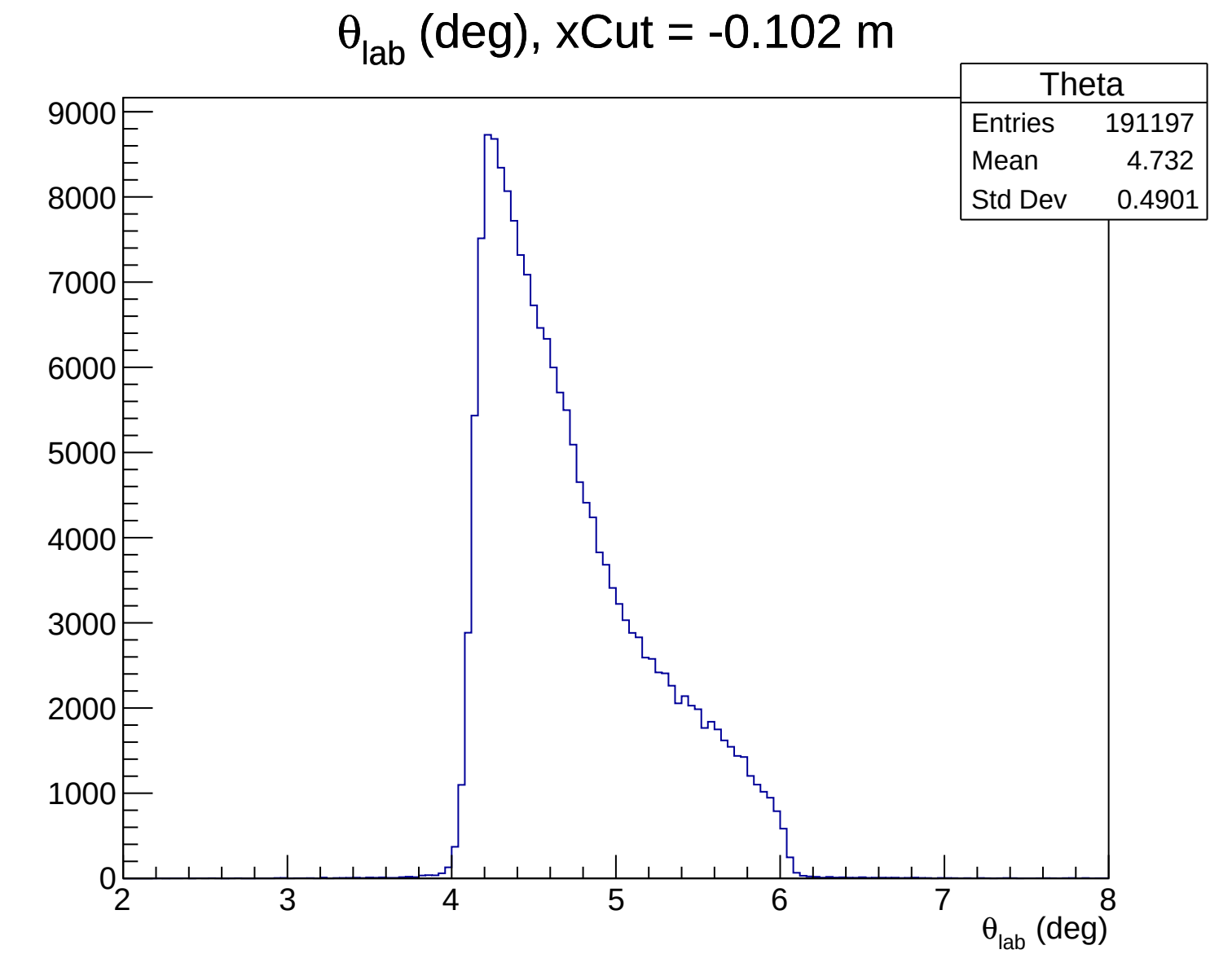

Sensitivity, xCut = -0.100 m
sens
Entries 189282
Mean 0.02171
Std Dev 0.004198
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

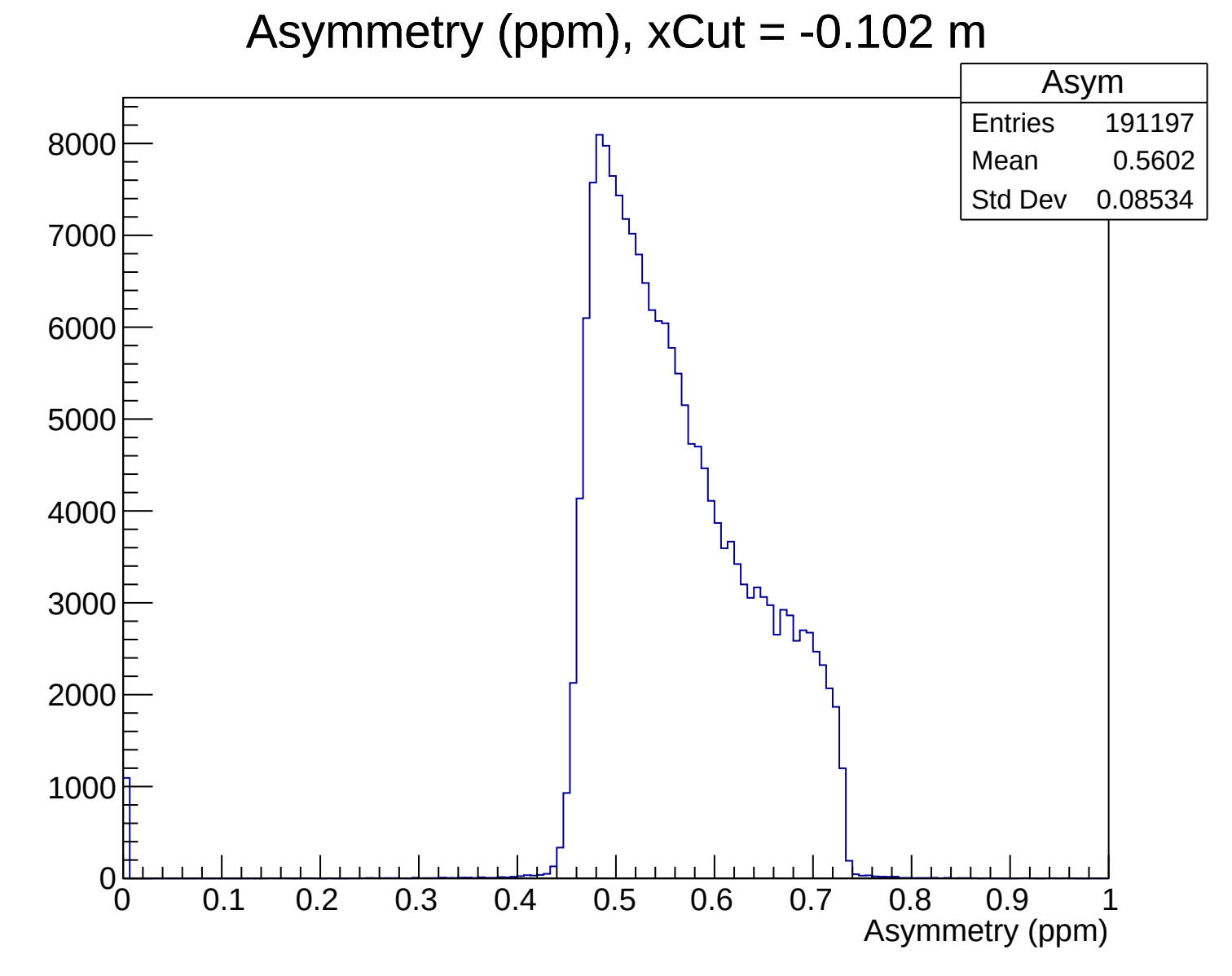

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

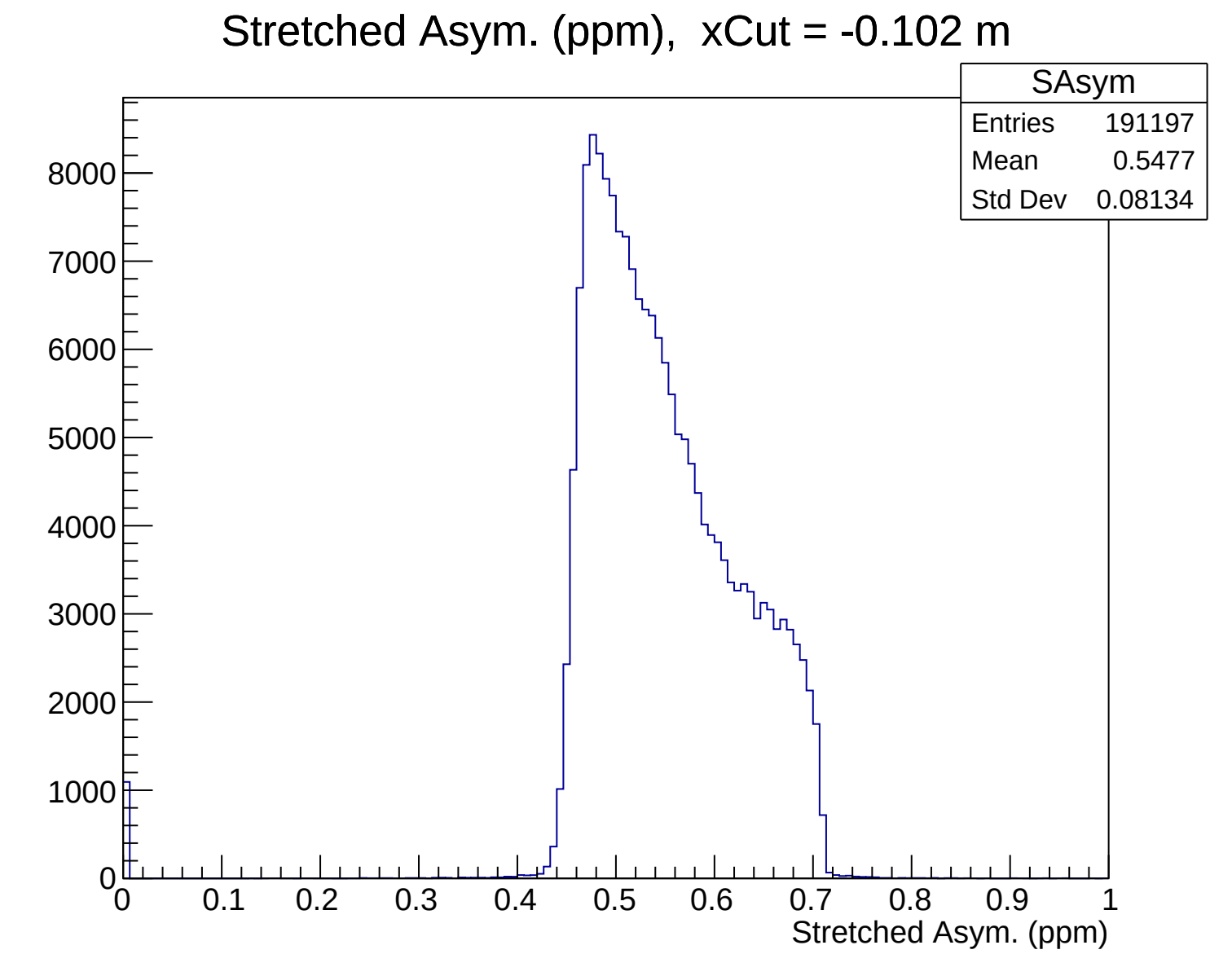

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

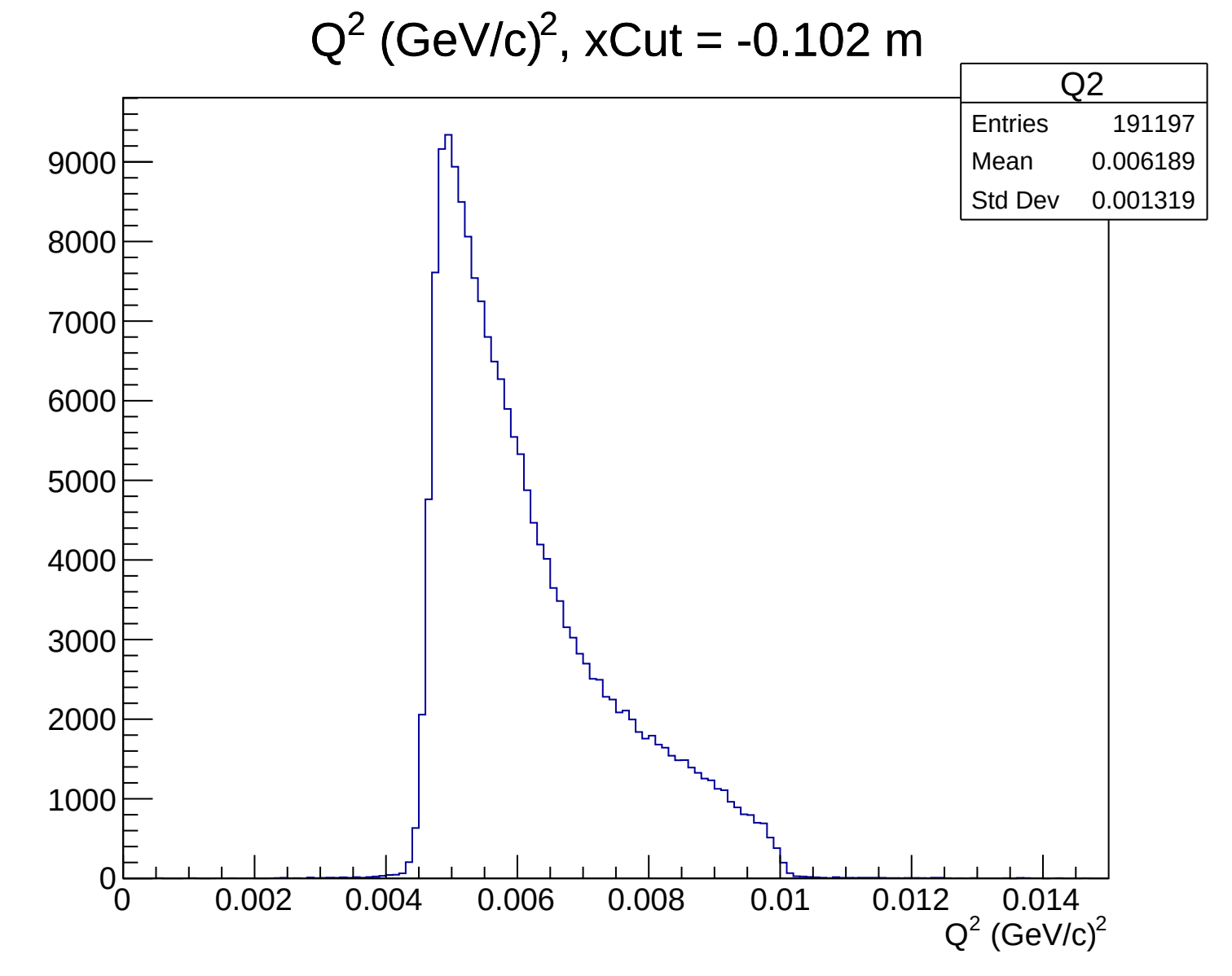

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.102
L.tr.x[0]+1.3*L.tr.th[0] (m)

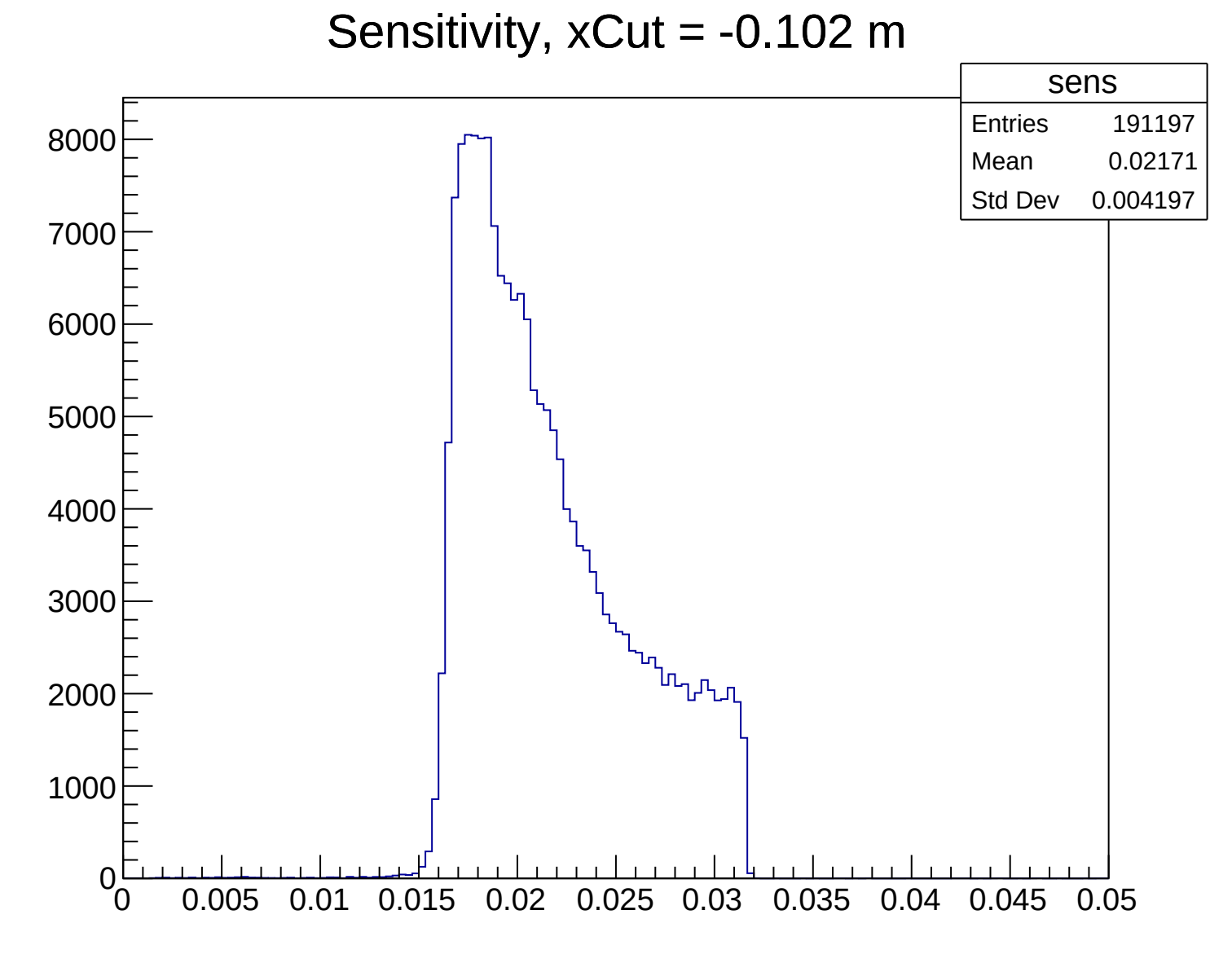

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

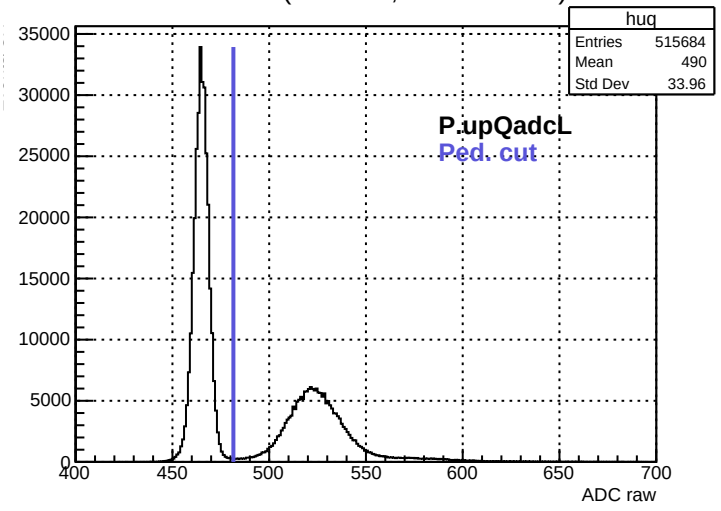

θlab (deg), xCut = -0.102 m
Theta
Entries 191197
Mean 4.732
Std Dev 0.4901
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

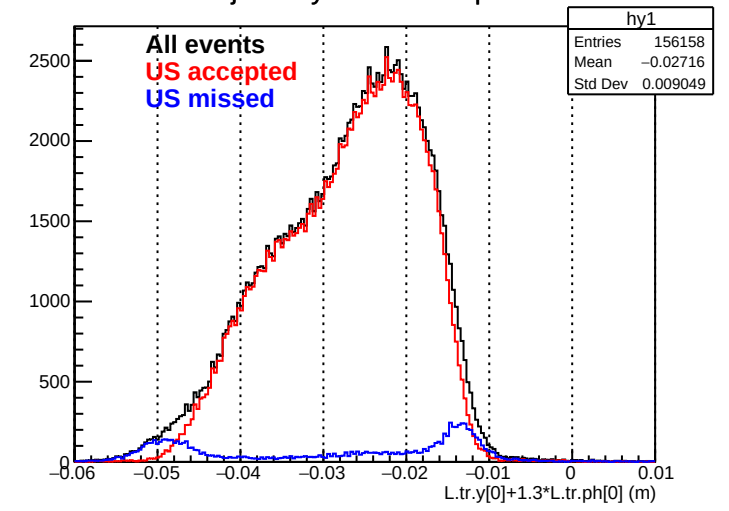

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 191197
Mean 0.5602
Std Dev 0.08534
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

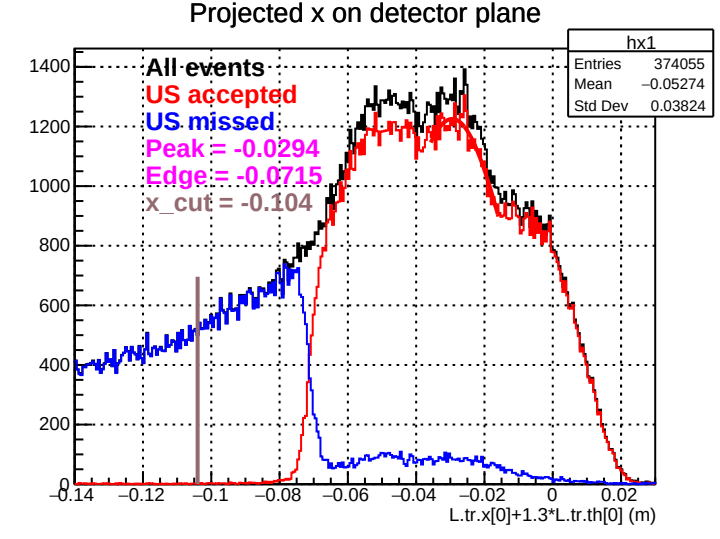

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 191197
Mean 0.5477
Std Dev 0.08134
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

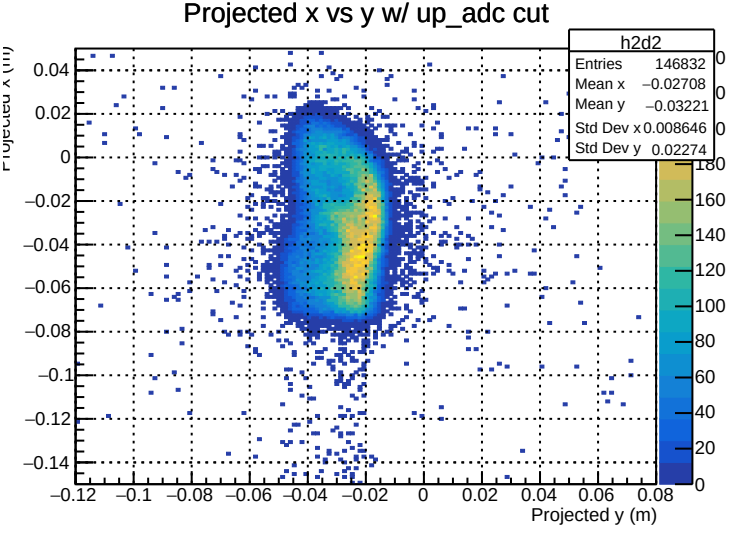

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 191197
Mean 0.006189
Std Dev 0.001319
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

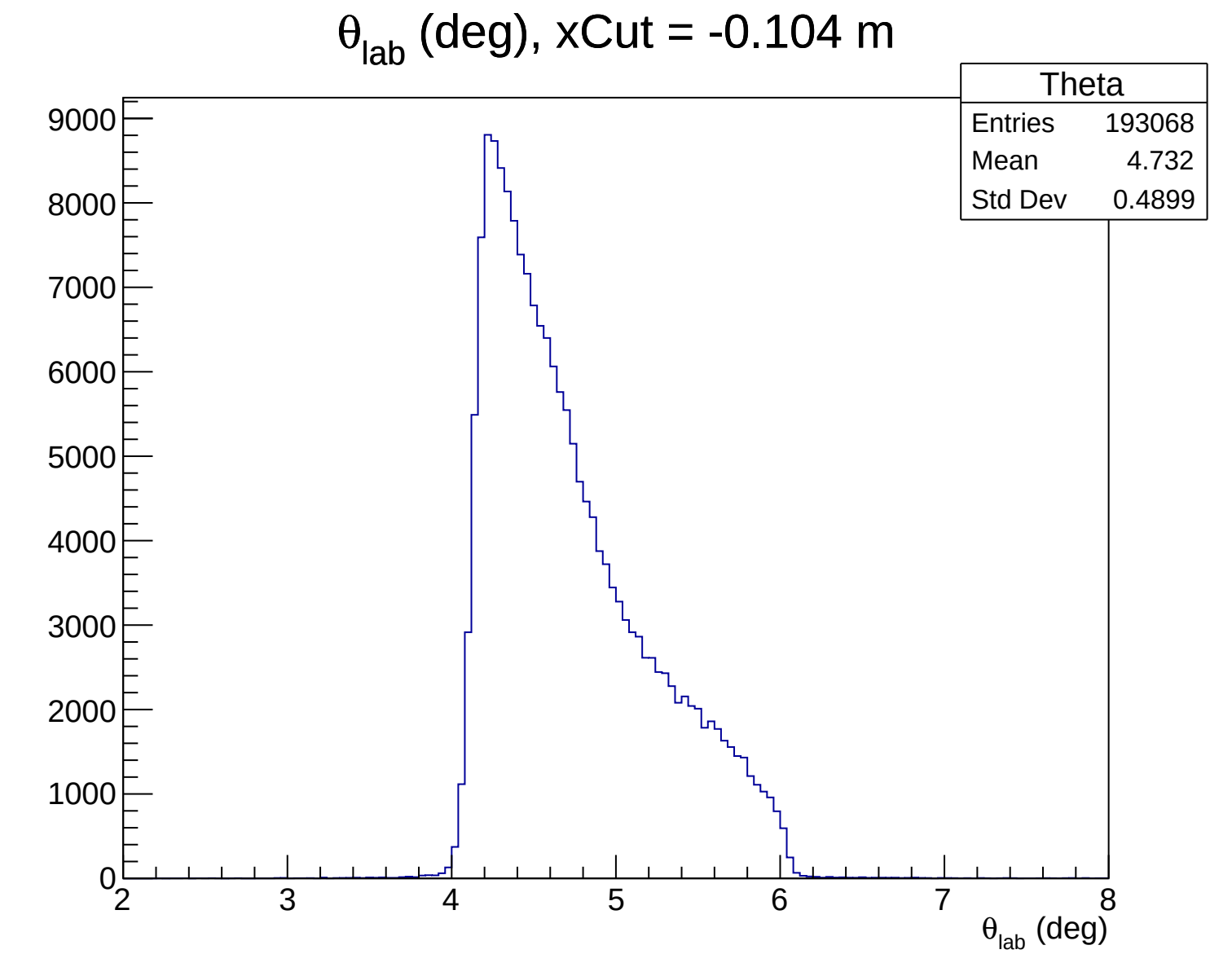

Sensitivity, xCut = -0.102 m
sens
Entries 191197
Mean 0.02171
Std Dev 0.004197
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

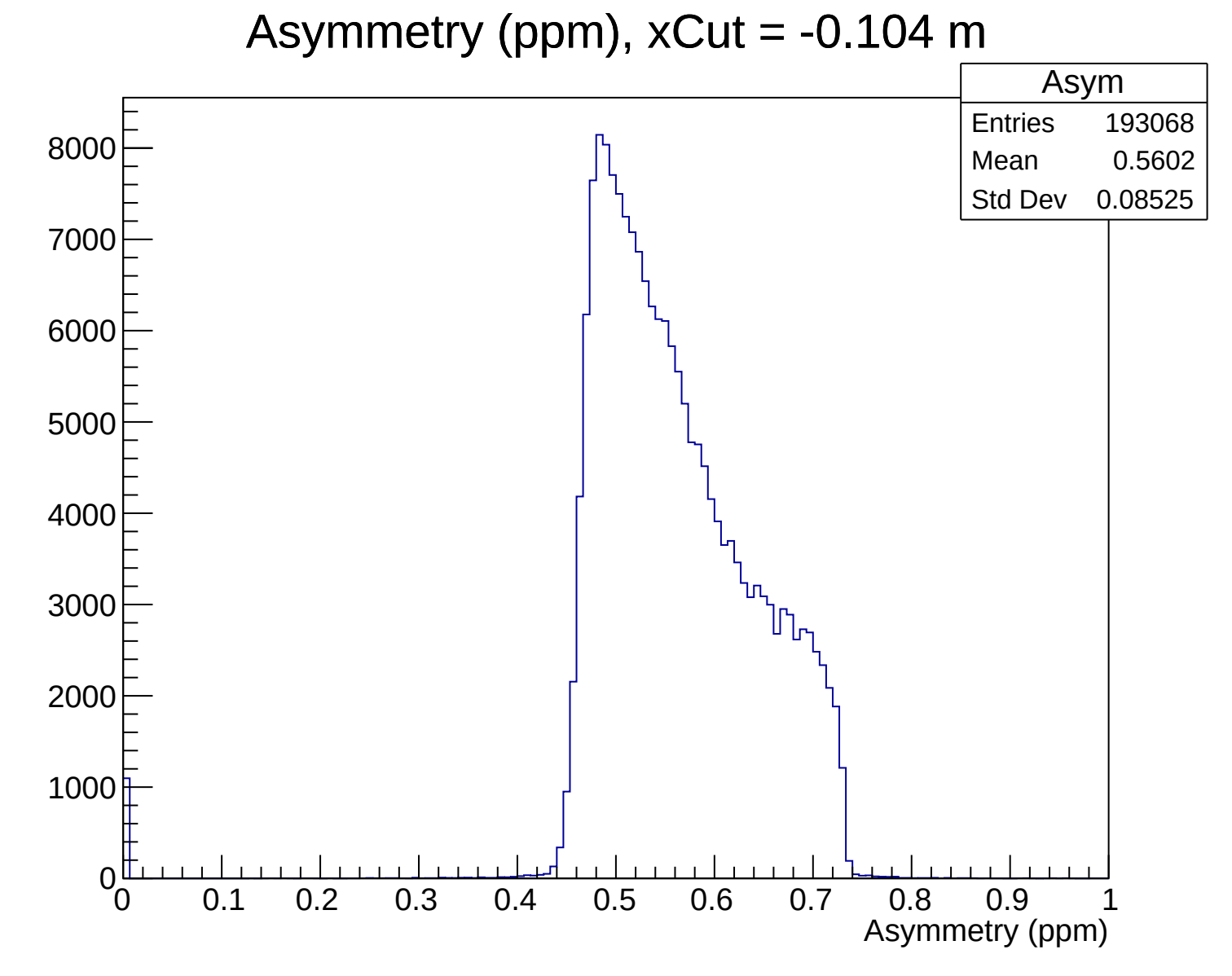

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

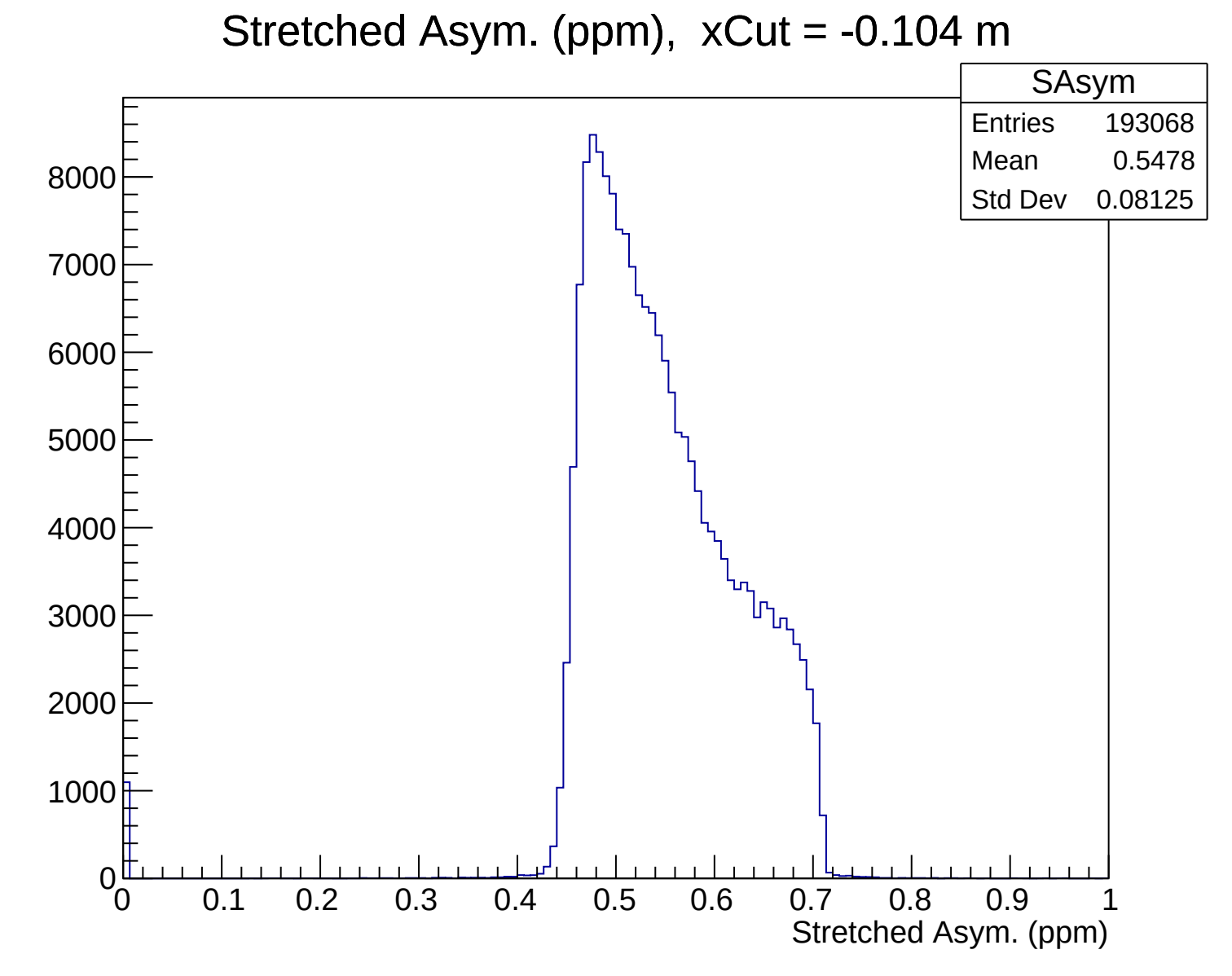

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

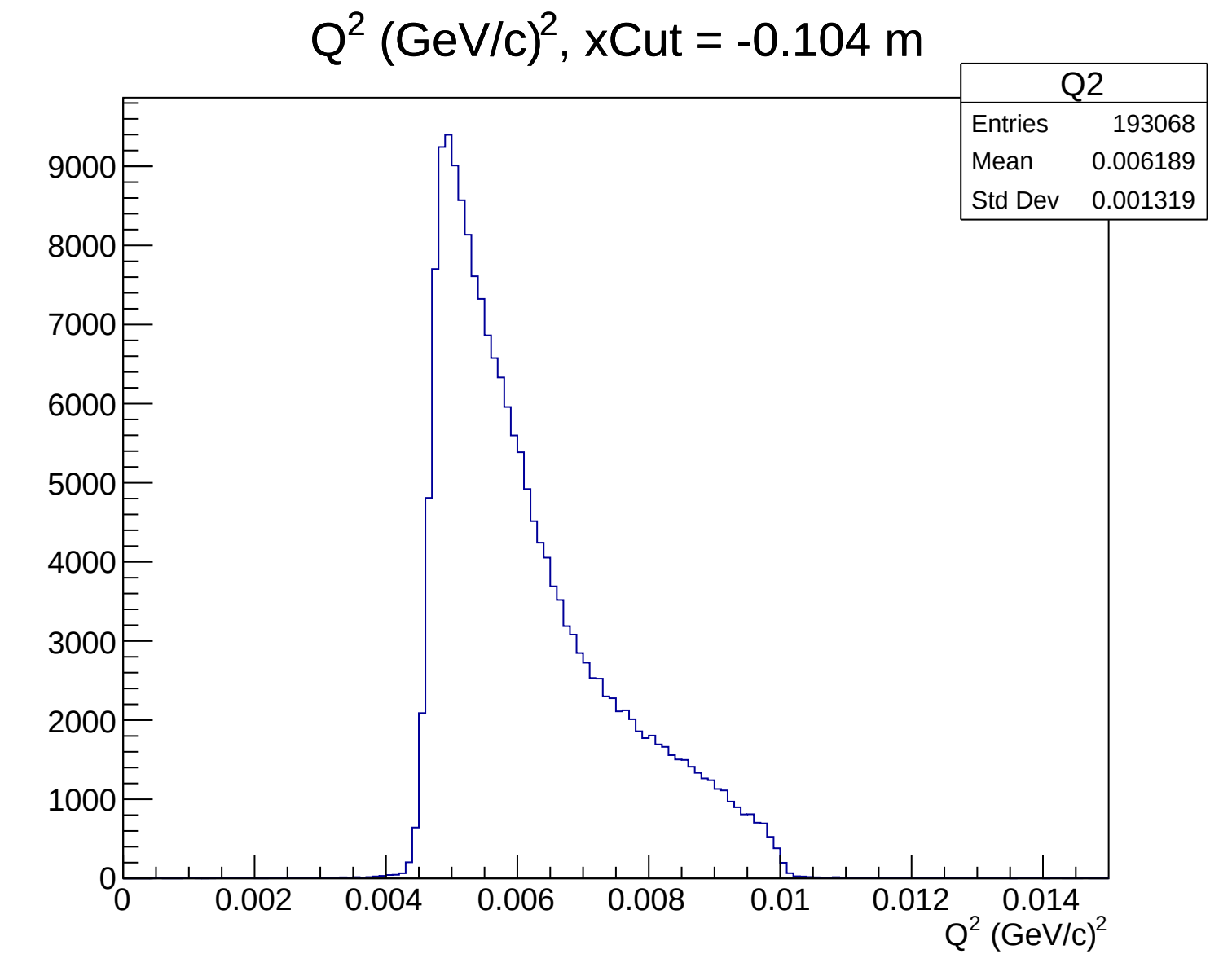

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

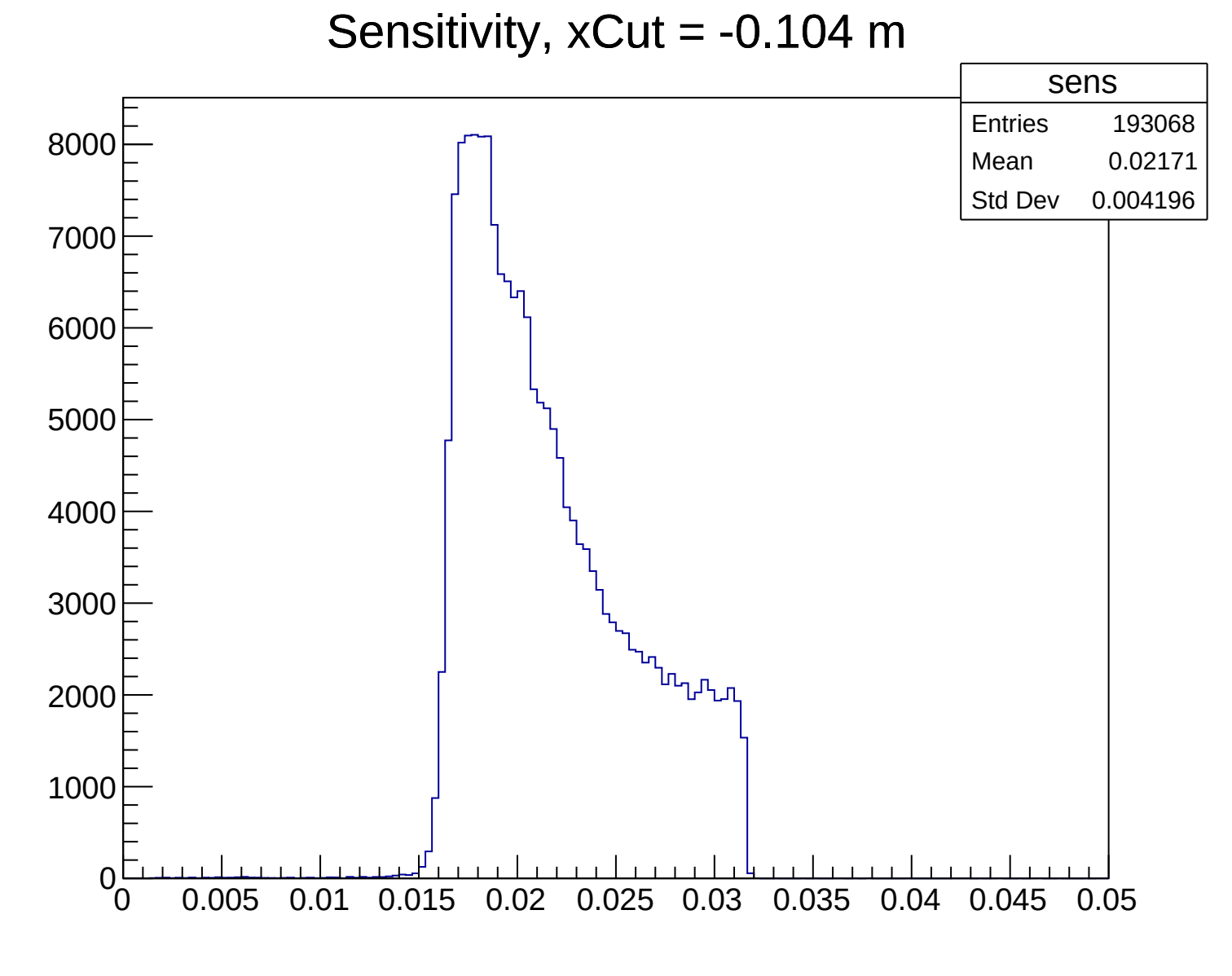

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

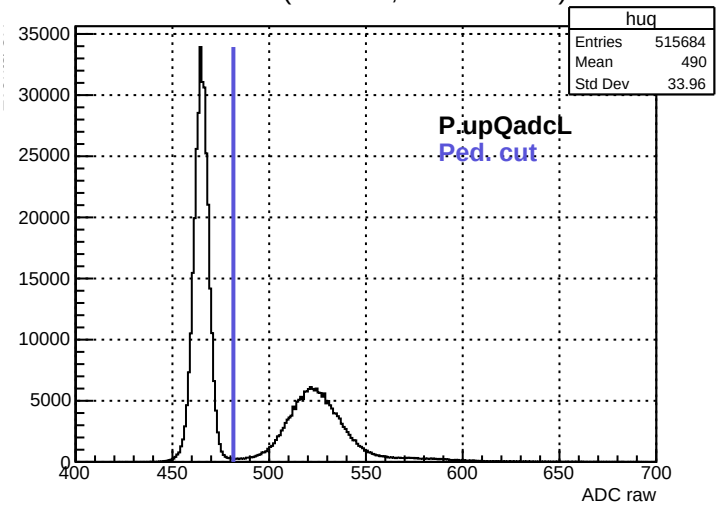

θlab (deg), xCut = -0.104 m
Theta
Entries 193068
Mean 4.732
Std Dev 0.4899
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

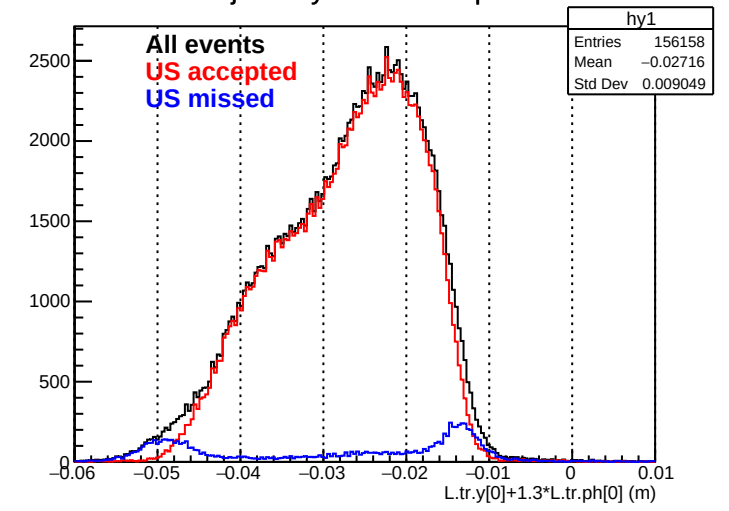

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 193068
Mean 0.5602
Std Dev 0.08525
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

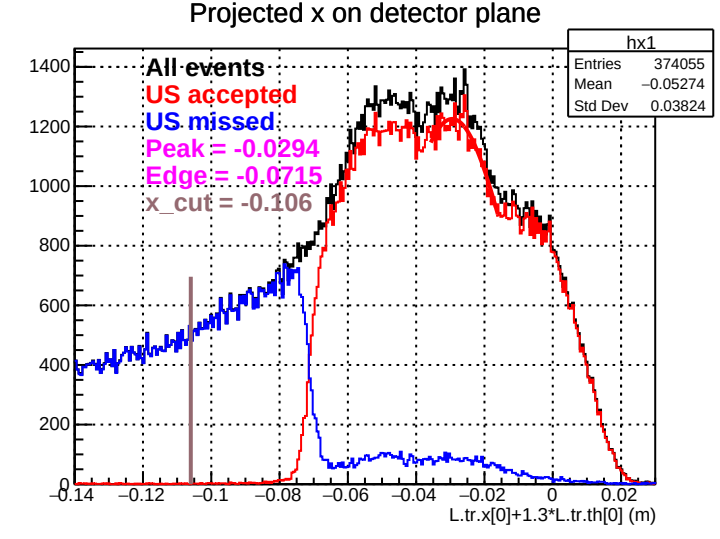

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 193068
Mean 0.5478
Std Dev 0.08125
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

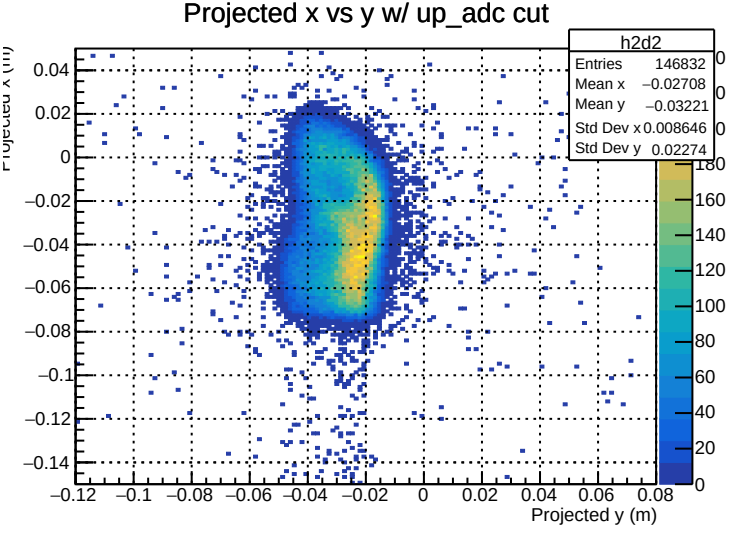

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 193068
Mean 0.006189
Std Dev 0.001319
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

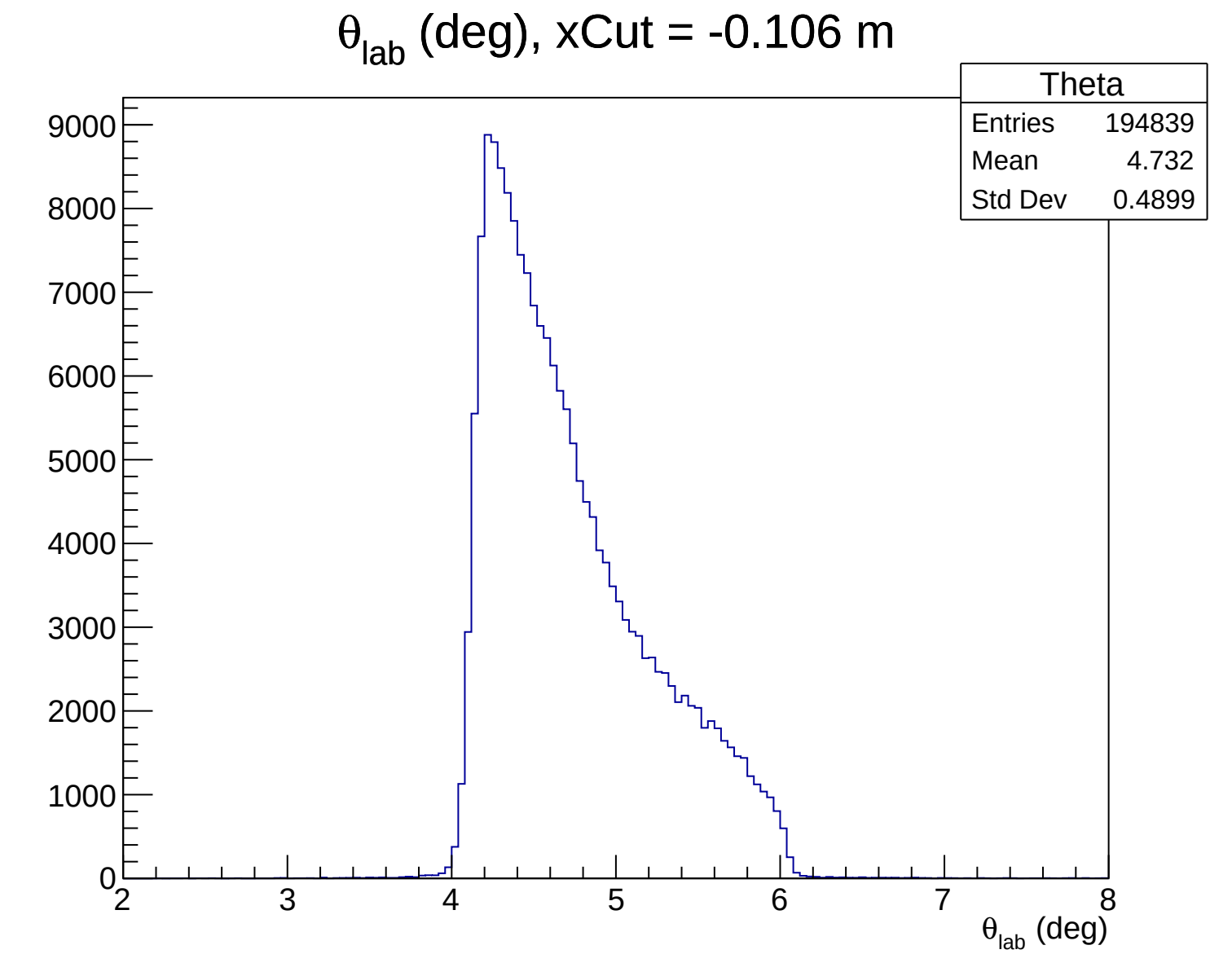

Sensitivity, xCut = -0.104 m
sens
Entries 193068
Mean 0.02171
Std Dev 0.004196
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

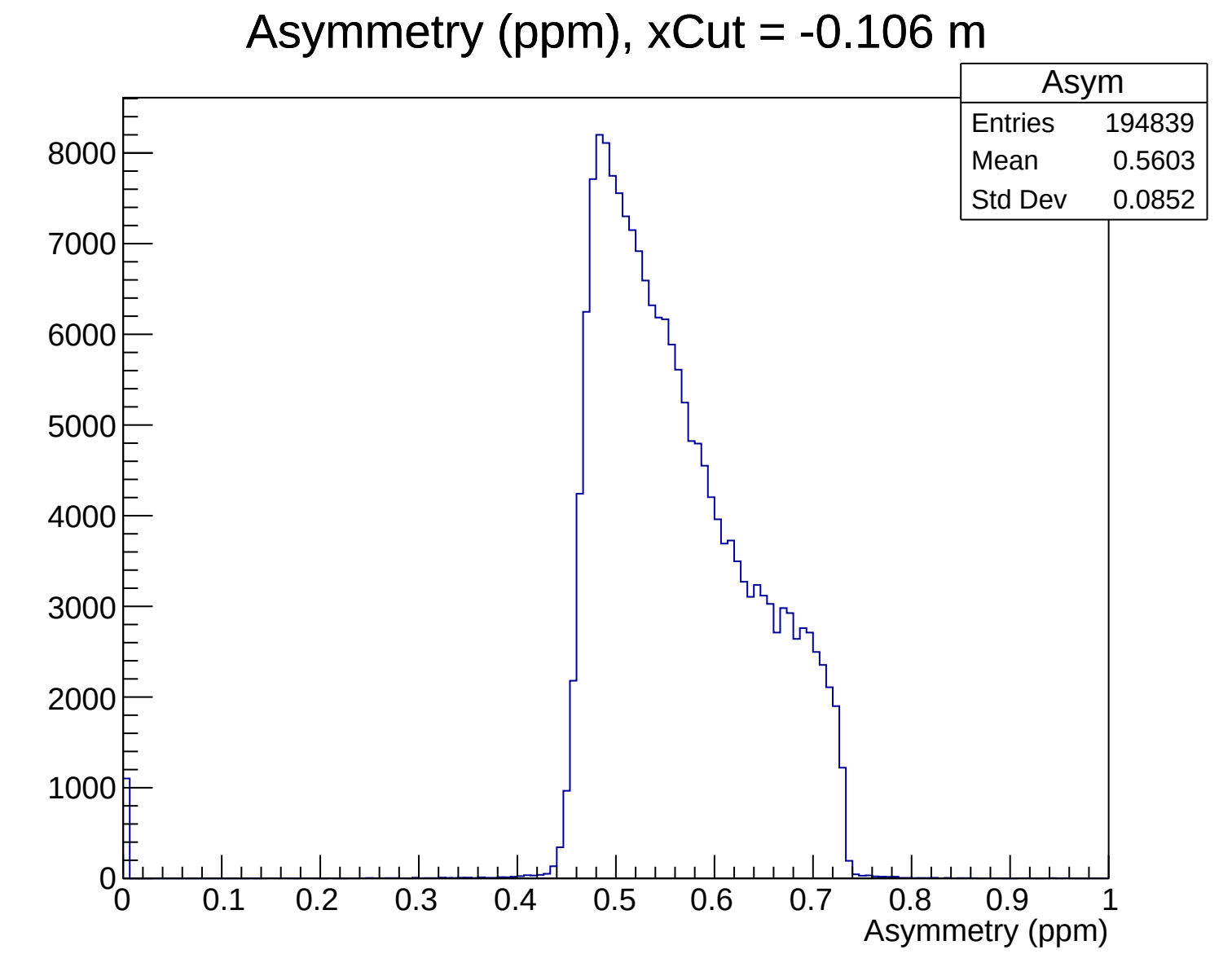

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

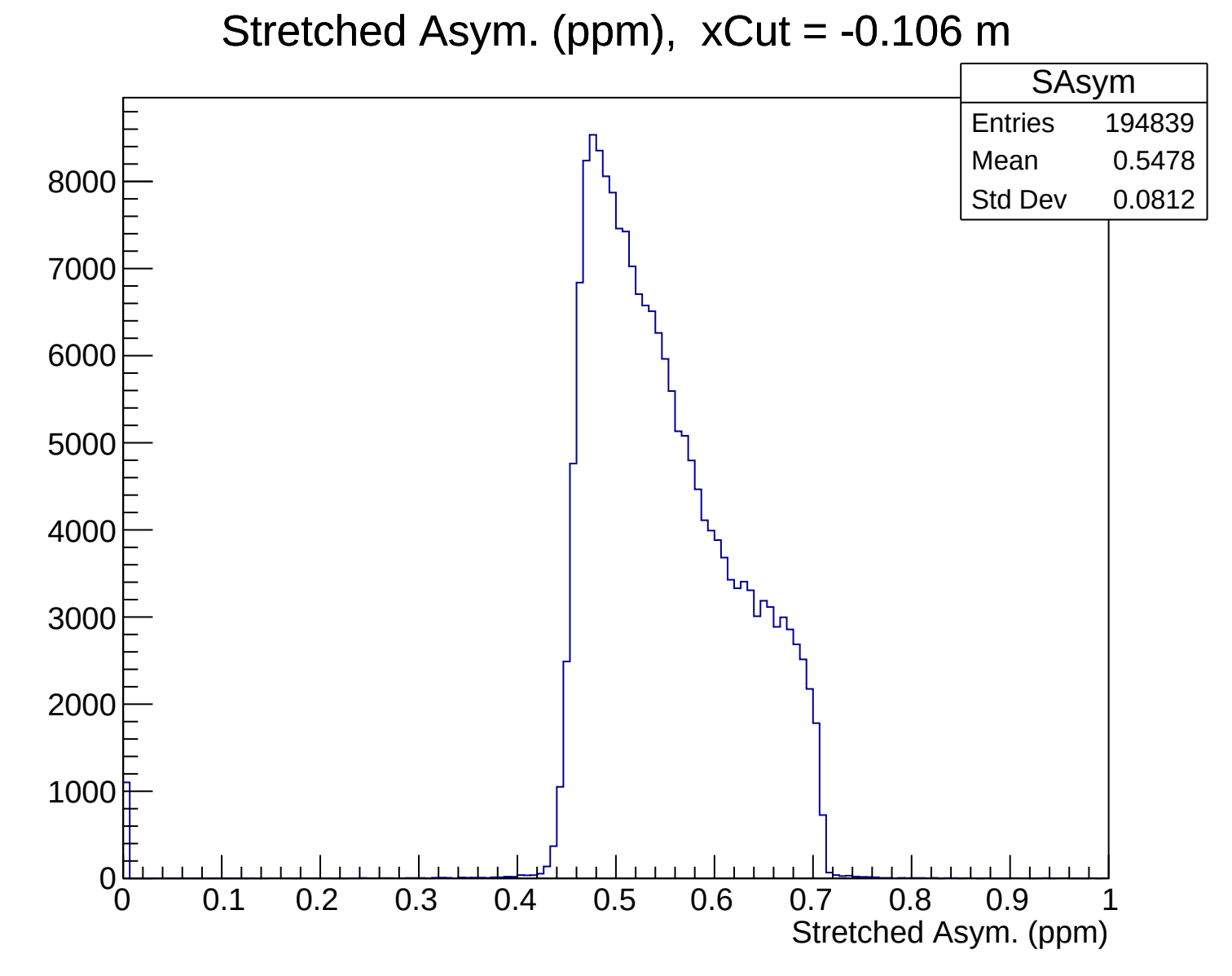

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

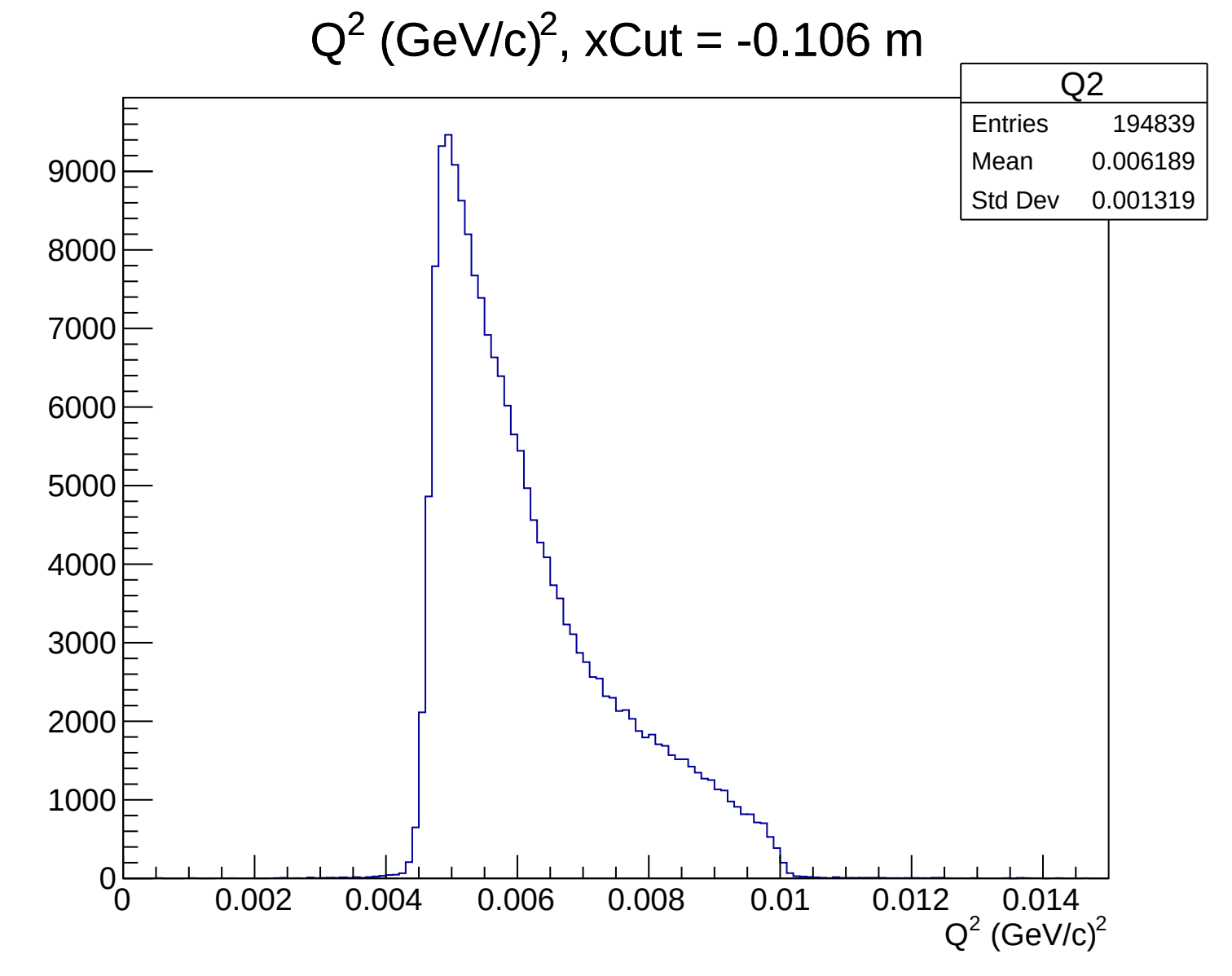

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.106
L.tr.x[0]+1.3*L.tr.th[0] (m)

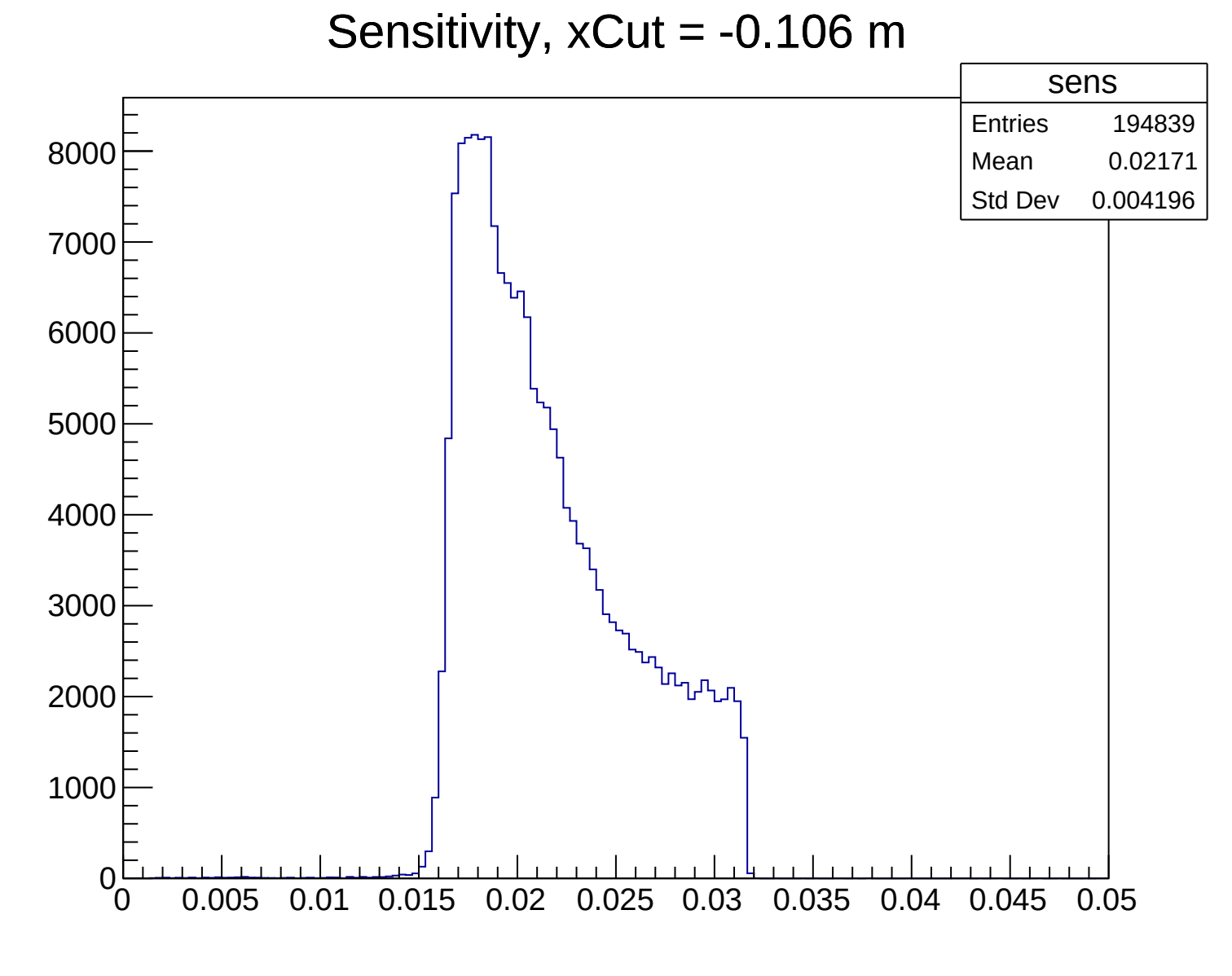

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

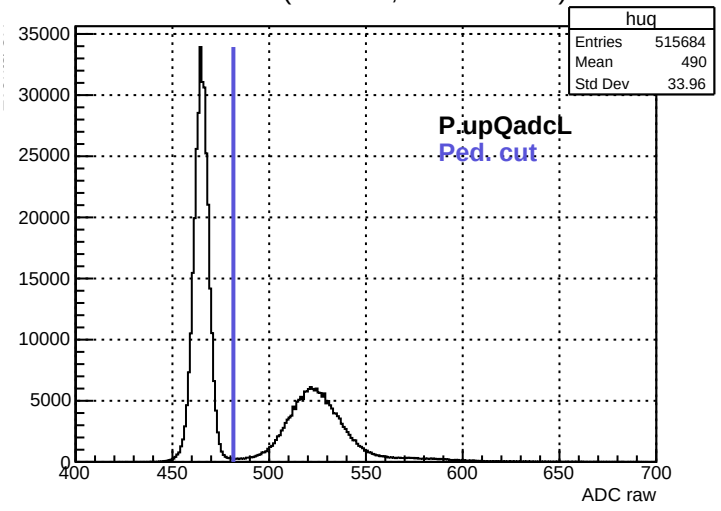

θlab (deg), xCut = -0.106 m
Theta
Entries 194839
Mean 4.732
Std Dev 0.4899
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

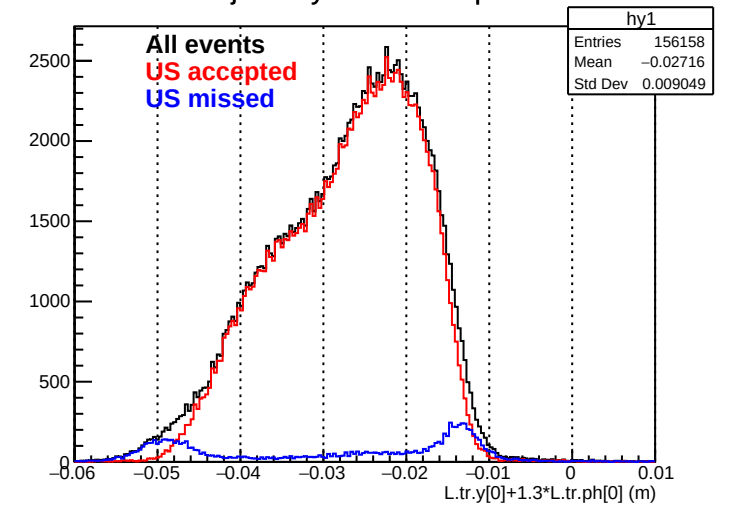

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 194839
Mean 0.5603
Std Dev 0.0852
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

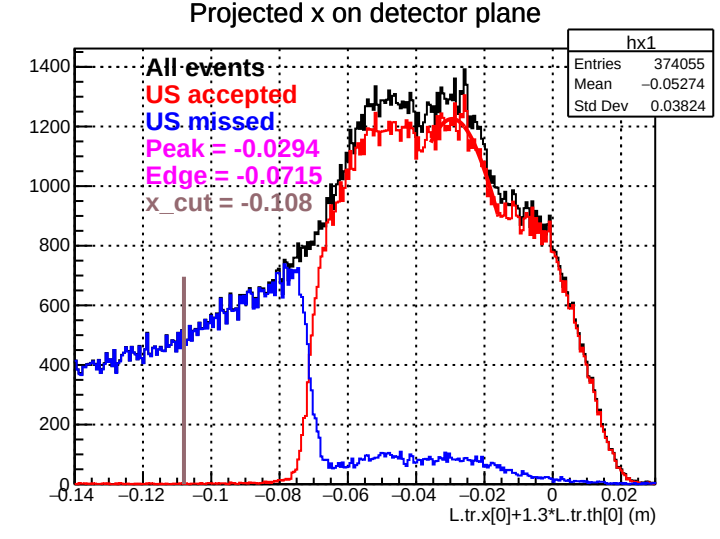

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 194839
Mean 0.5478
Std Dev 0.0812
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

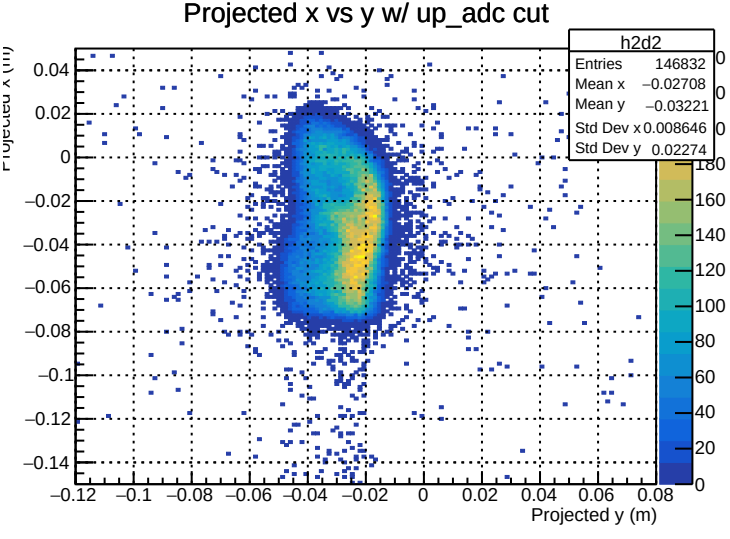

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 194839
Mean 0.006189
Std Dev 0.001319
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

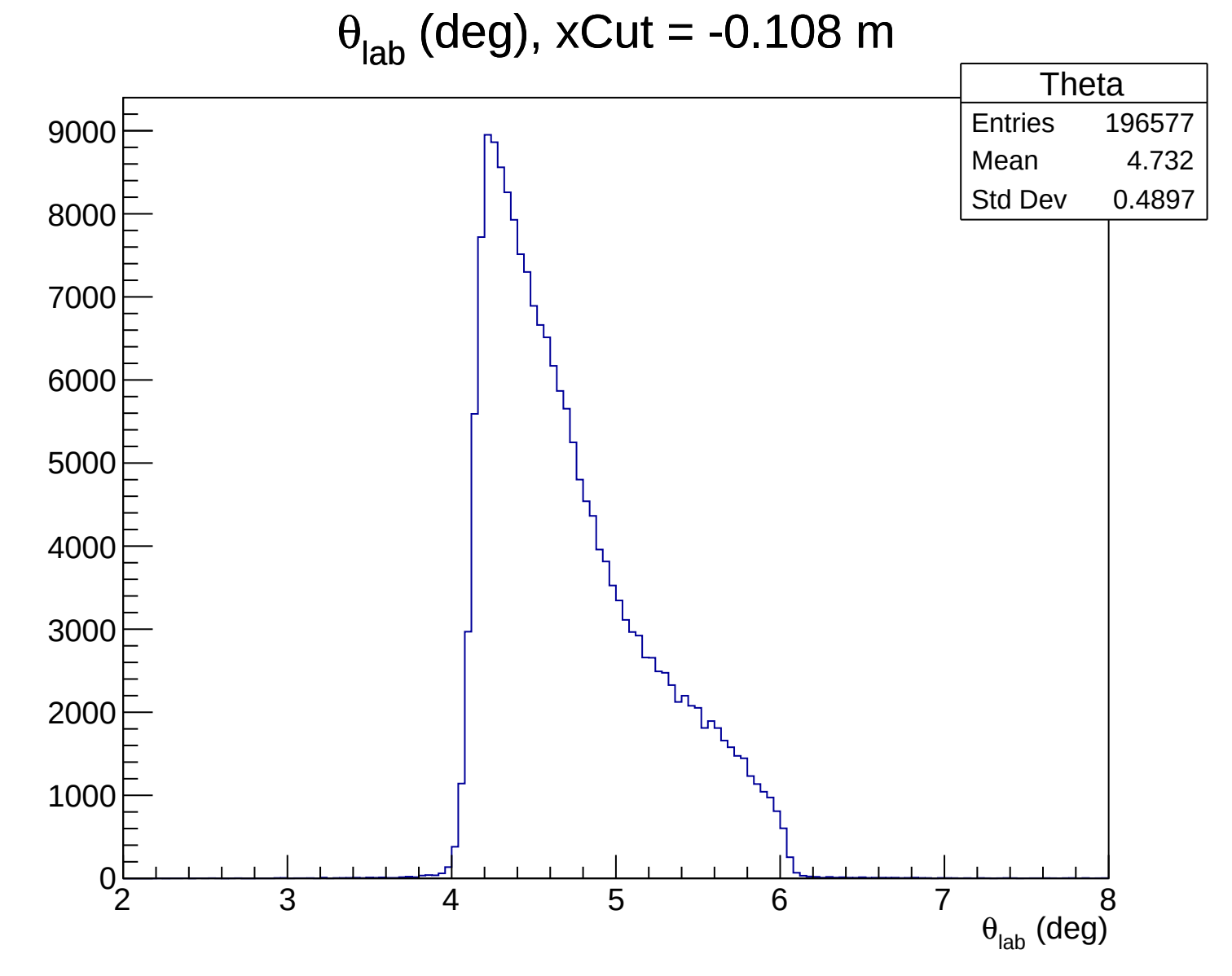

Sensitivity, xCut = -0.106 m
sens
Entries 194839
Mean 0.02171
Std Dev 0.004196
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

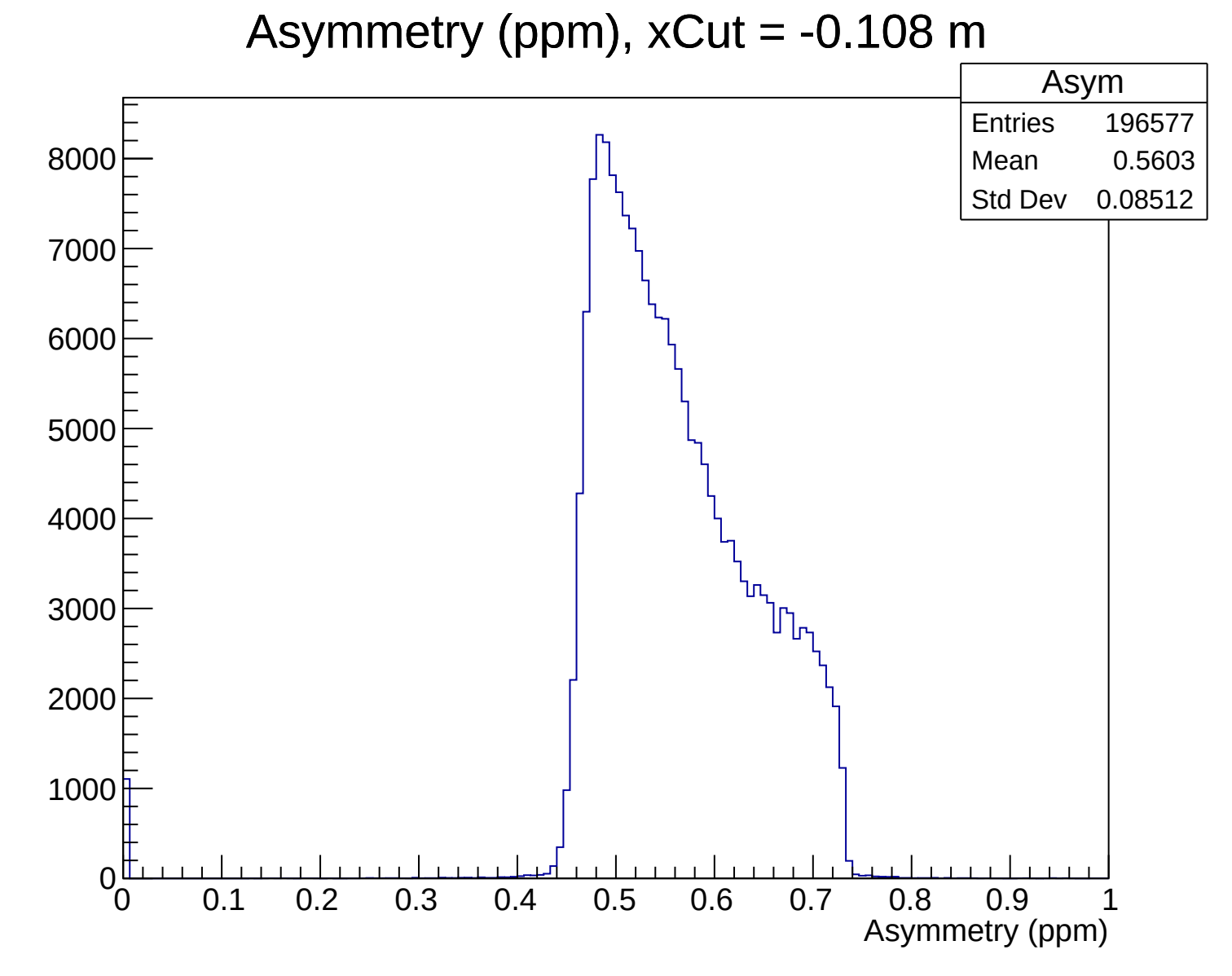

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

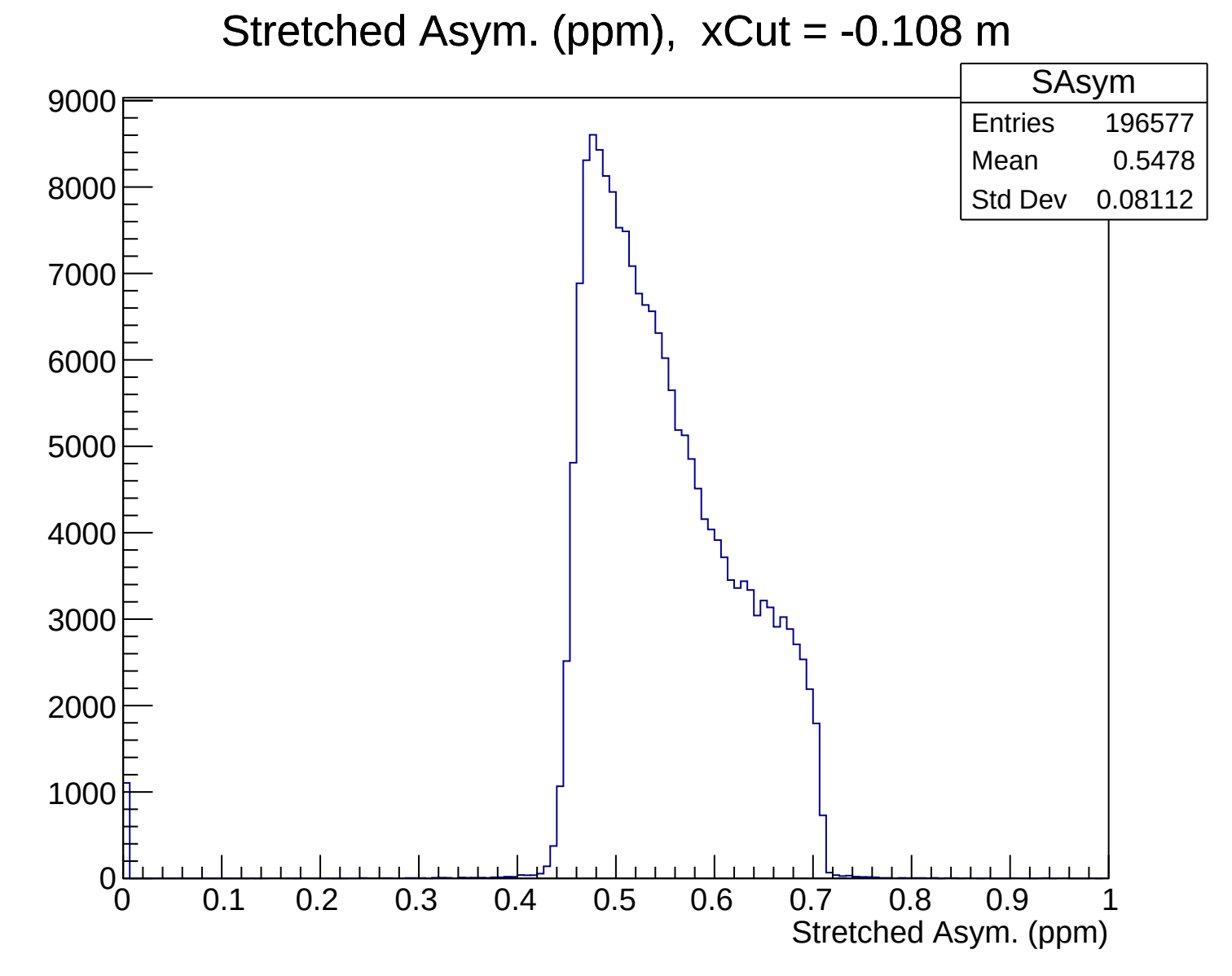

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

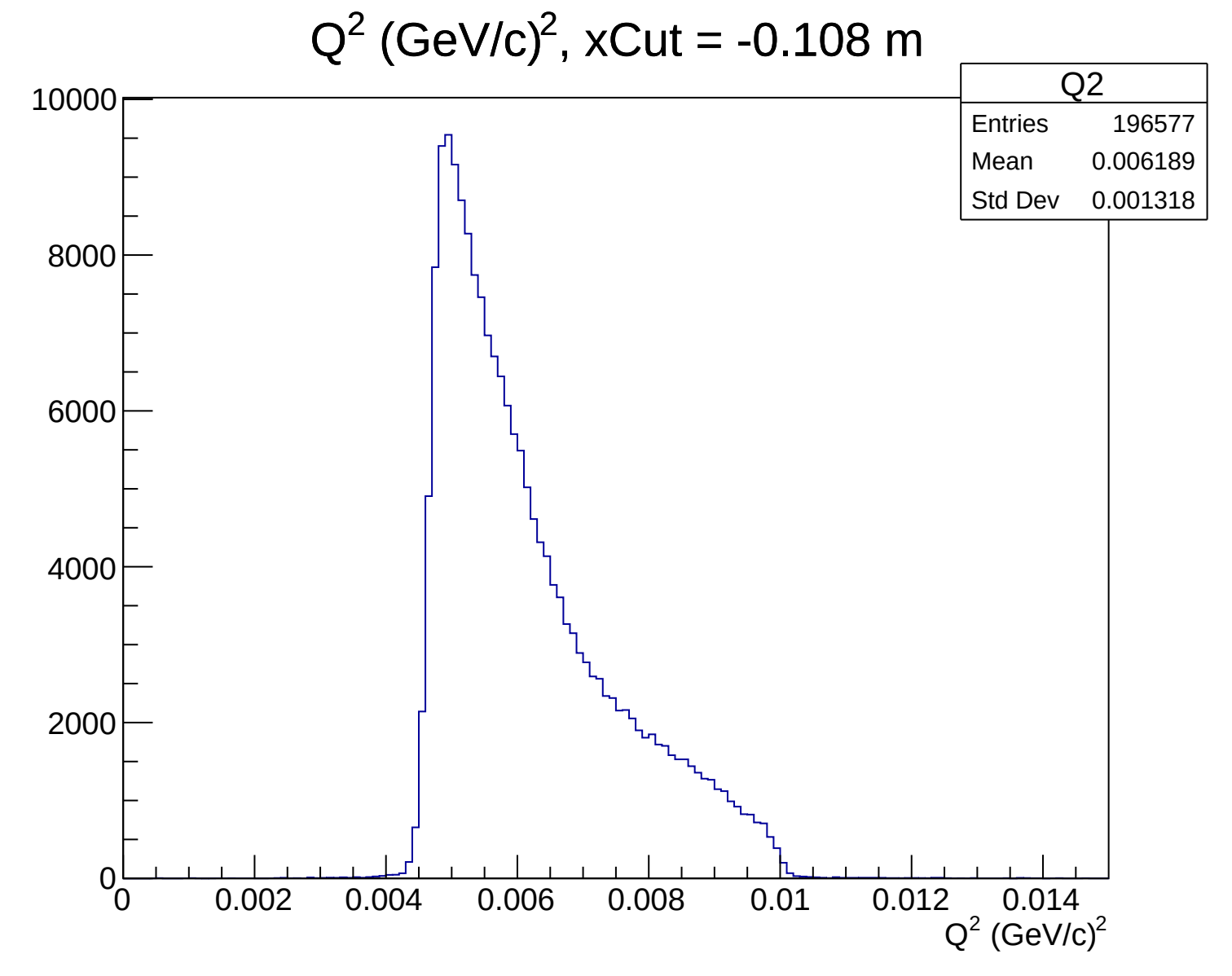

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.108
L.tr.x[0]+1.3*L.tr.th[0] (m)

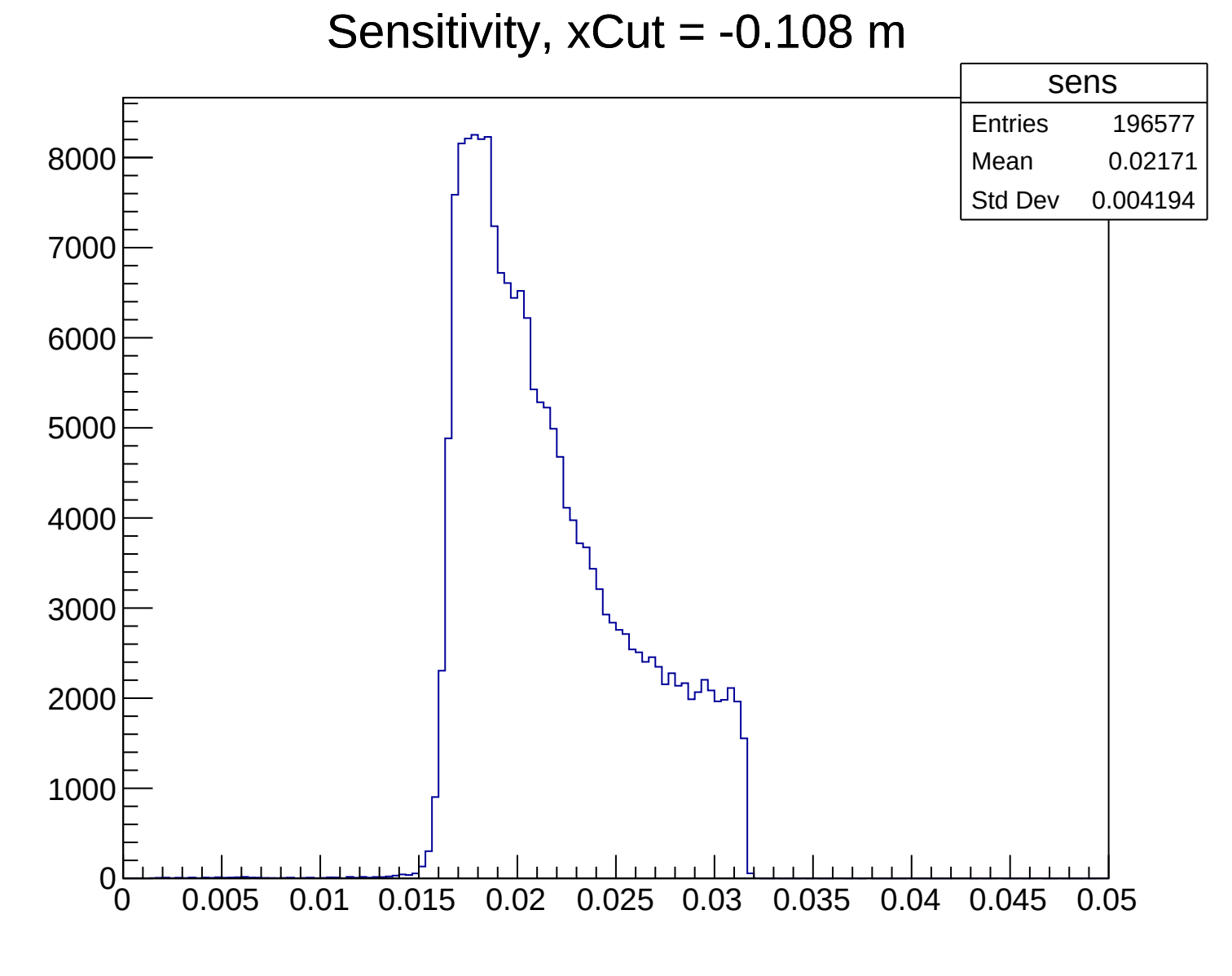

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

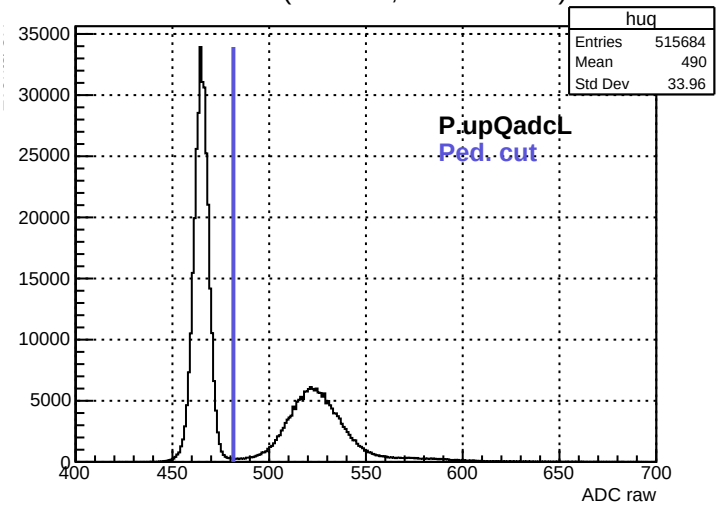

θlab (deg), xCut = -0.108 m
Theta
Entries 196577
Mean 4.732
Std Dev 0.4897
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

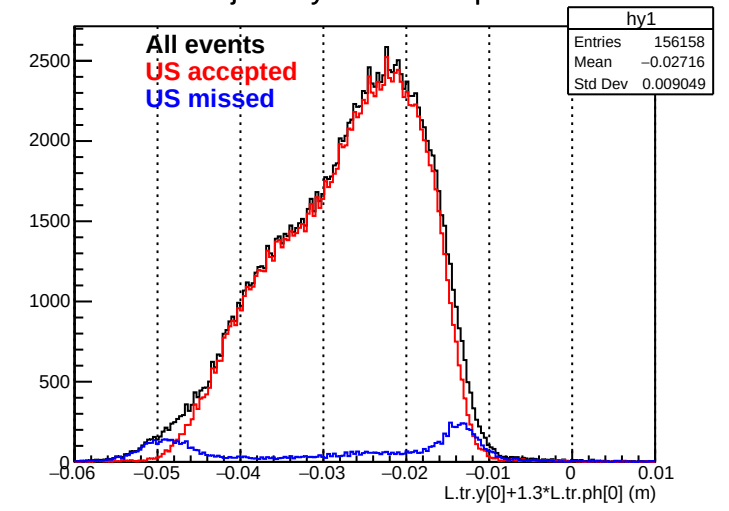

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 196577
Mean 0.5603
Std Dev 0.08512
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

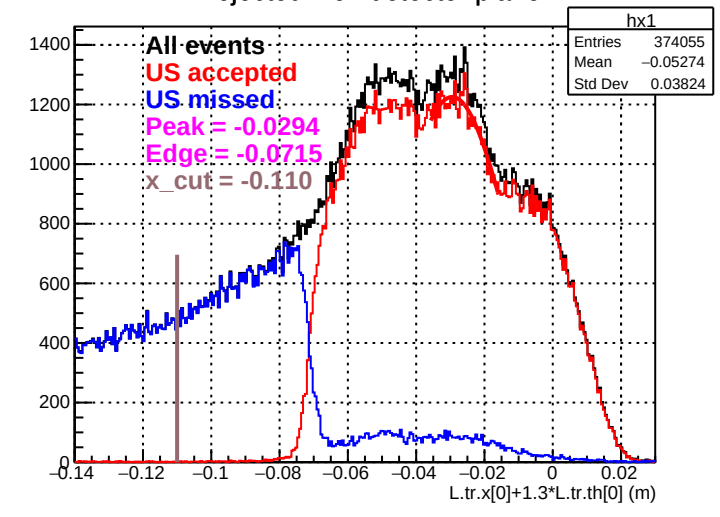

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 196577
Mean 0.5478
Std Dev 0.08112
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

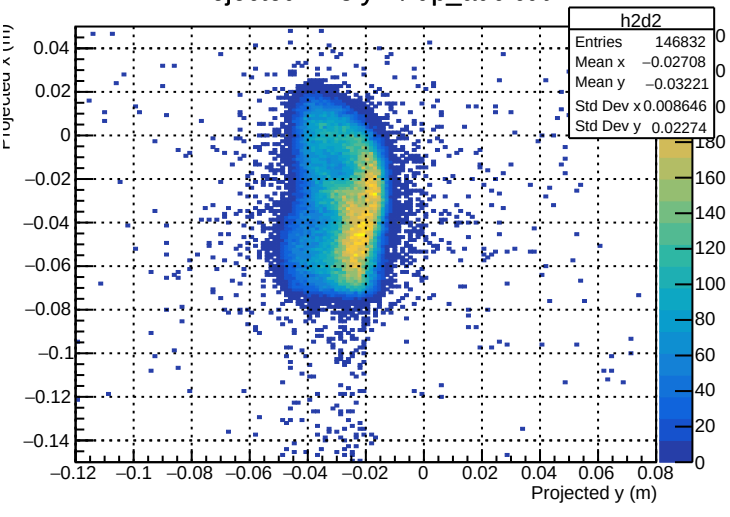

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 196577
Mean 0.006189
Std Dev 0.001318
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

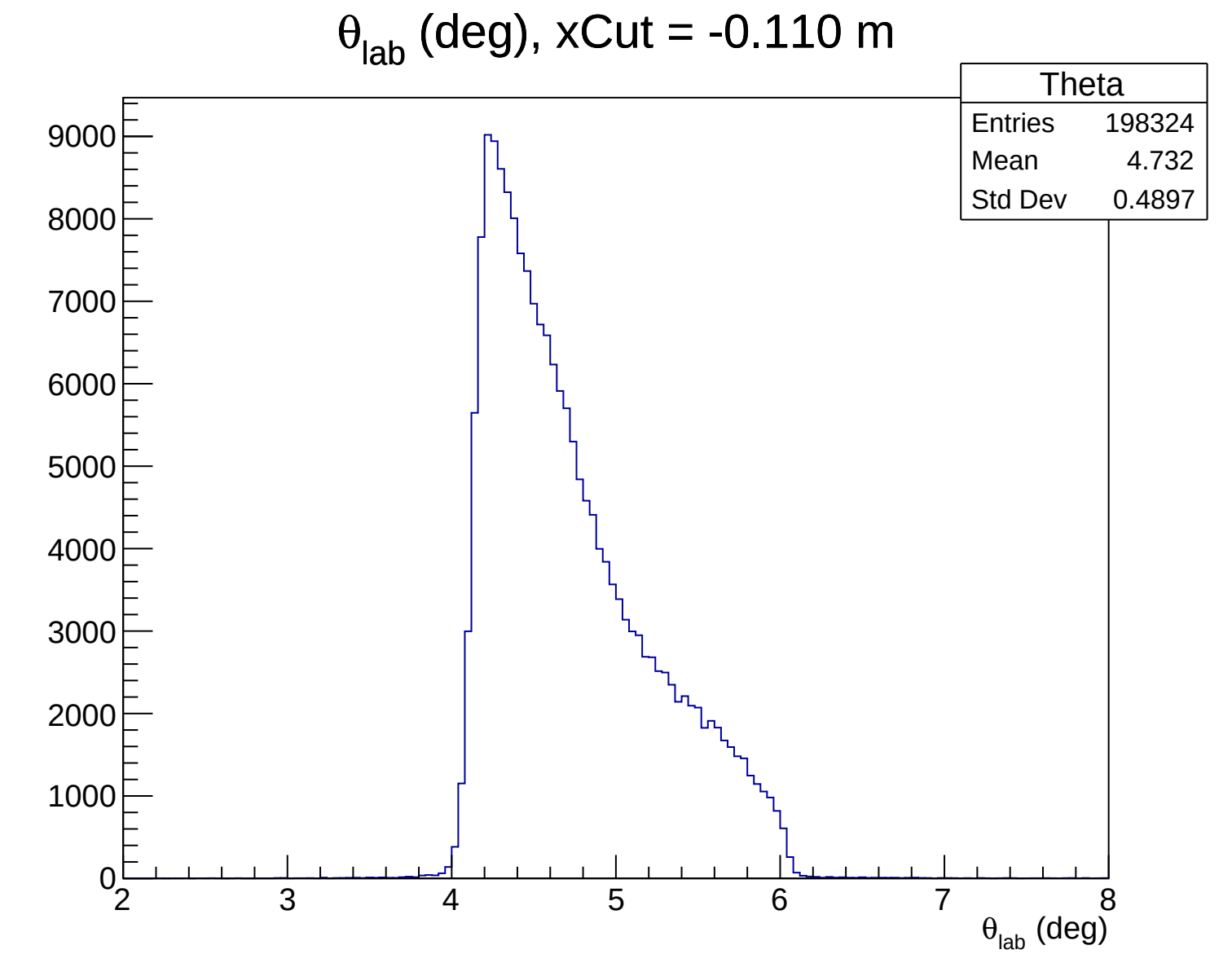

Sensitivity, xCut = -0.108 m
sens
Entries 196577
Mean 0.02171
Std Dev 0.004194
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

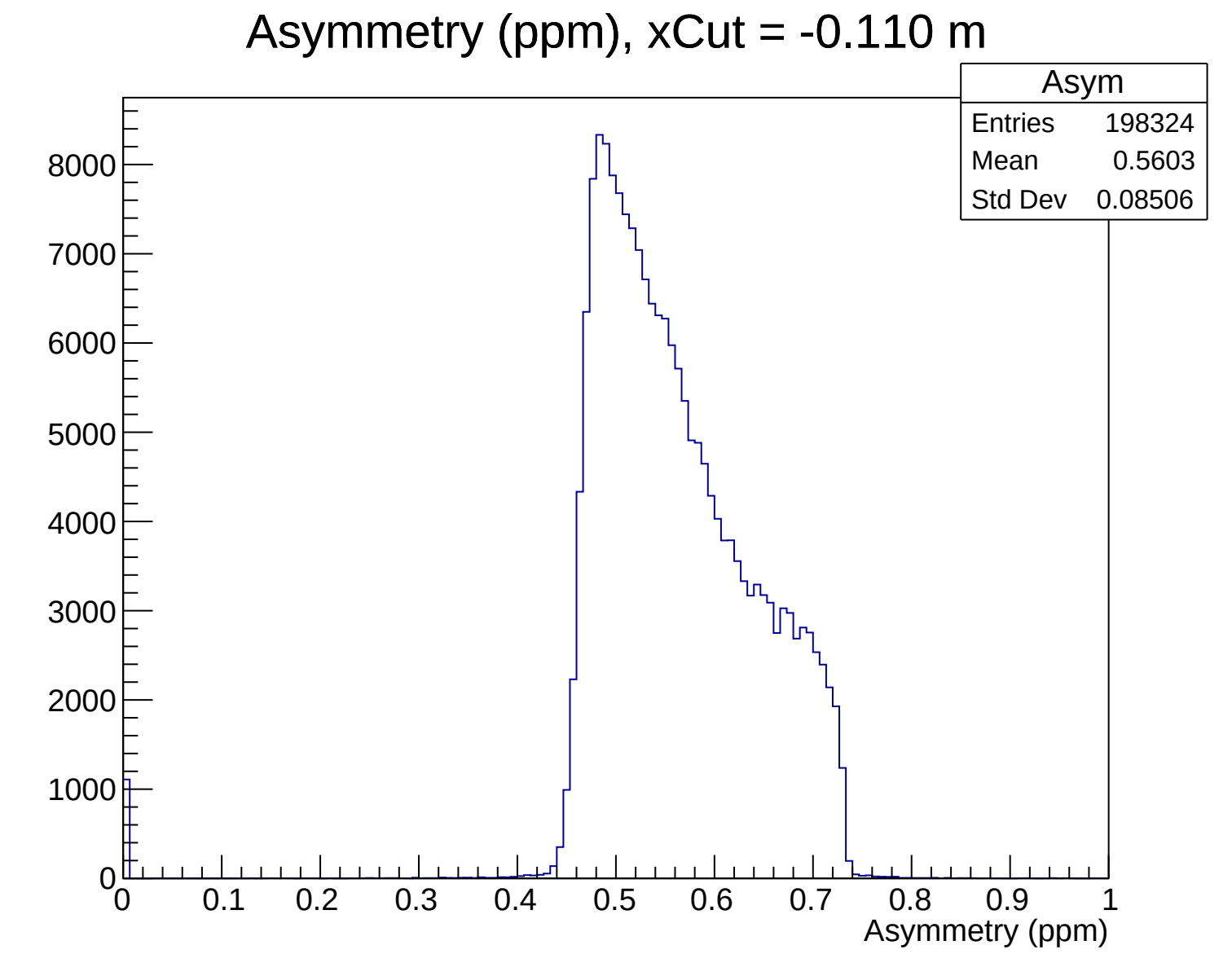

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

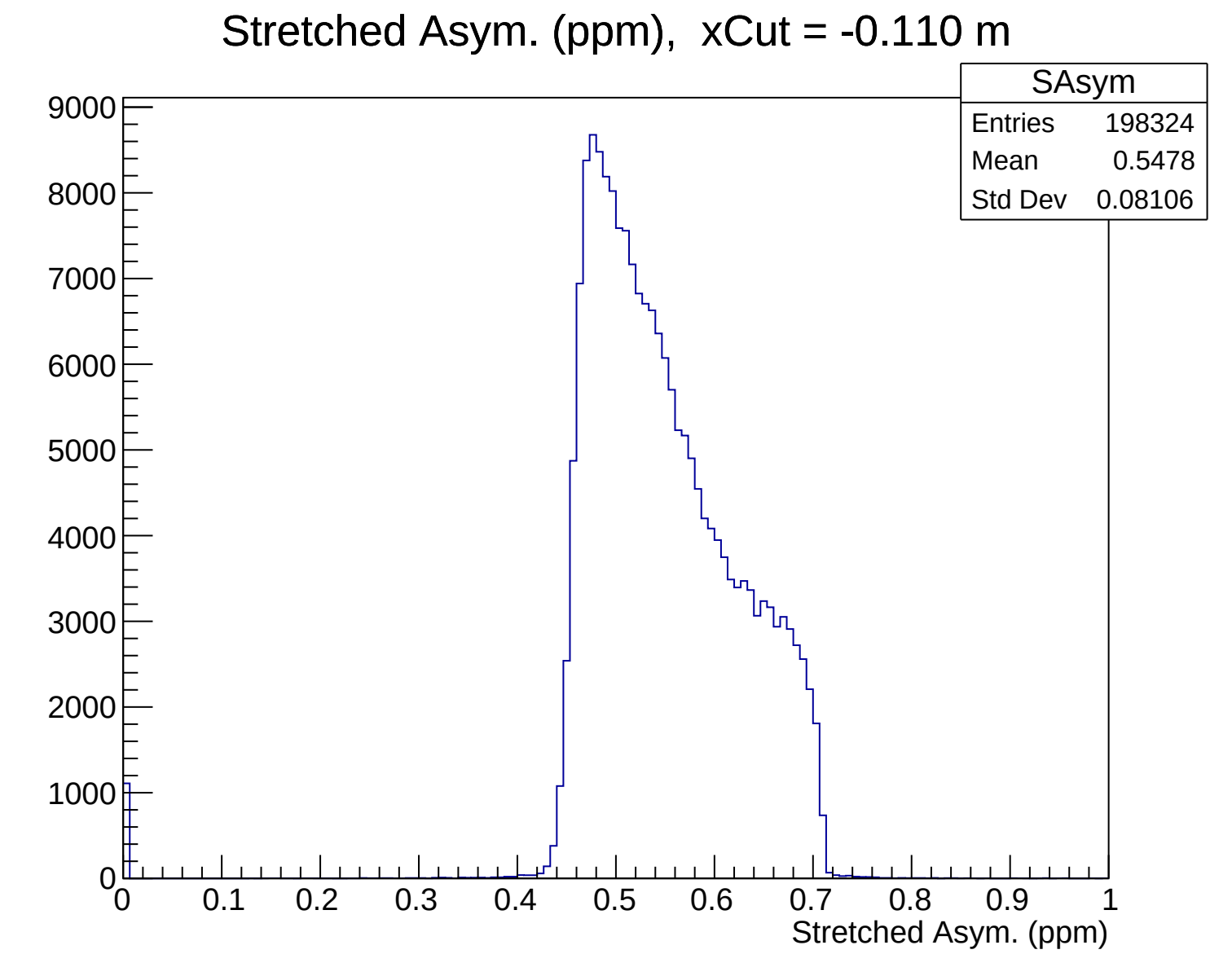

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

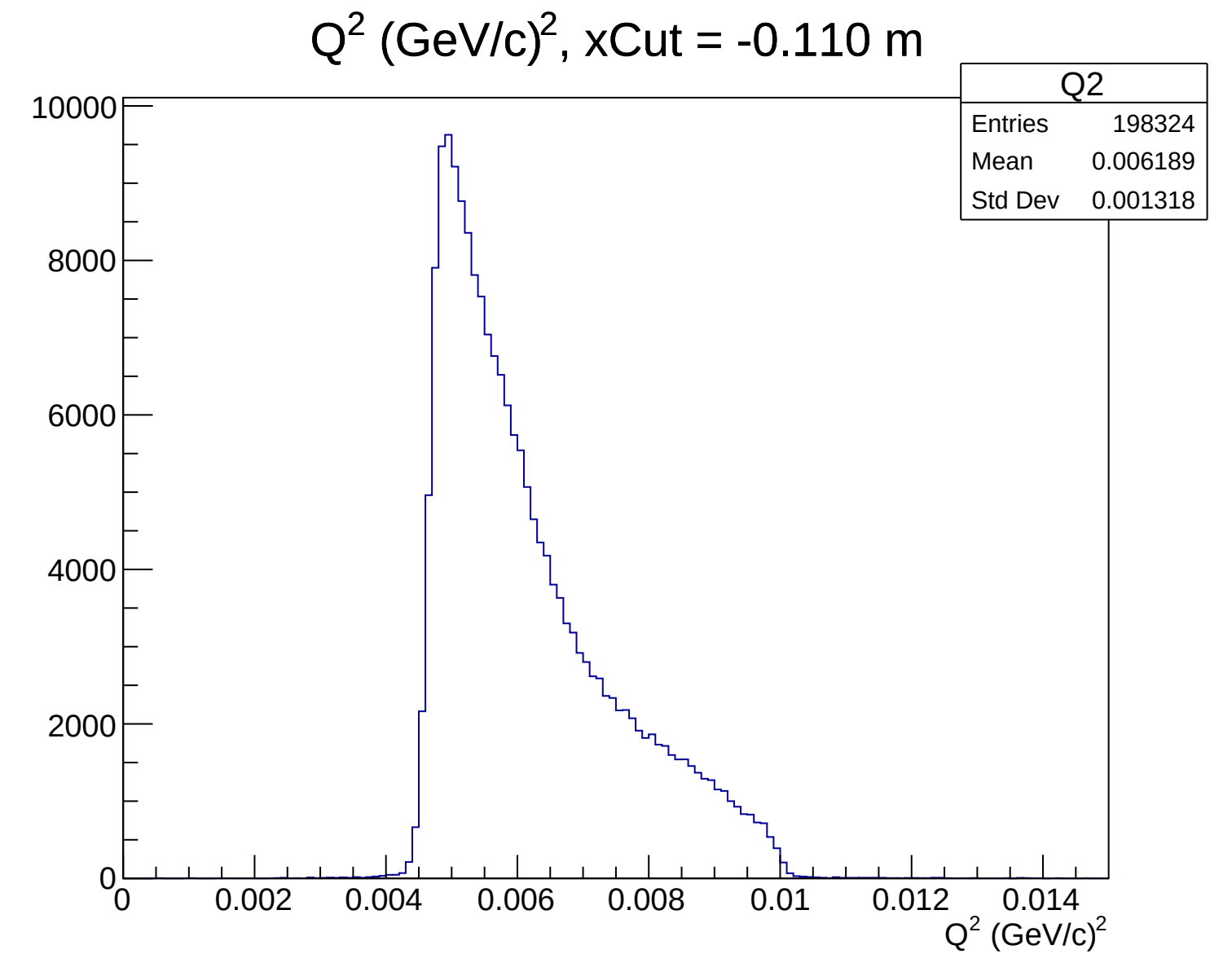

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.110
L.tr.x[0]+1.3*L.tr.th[0] (m)

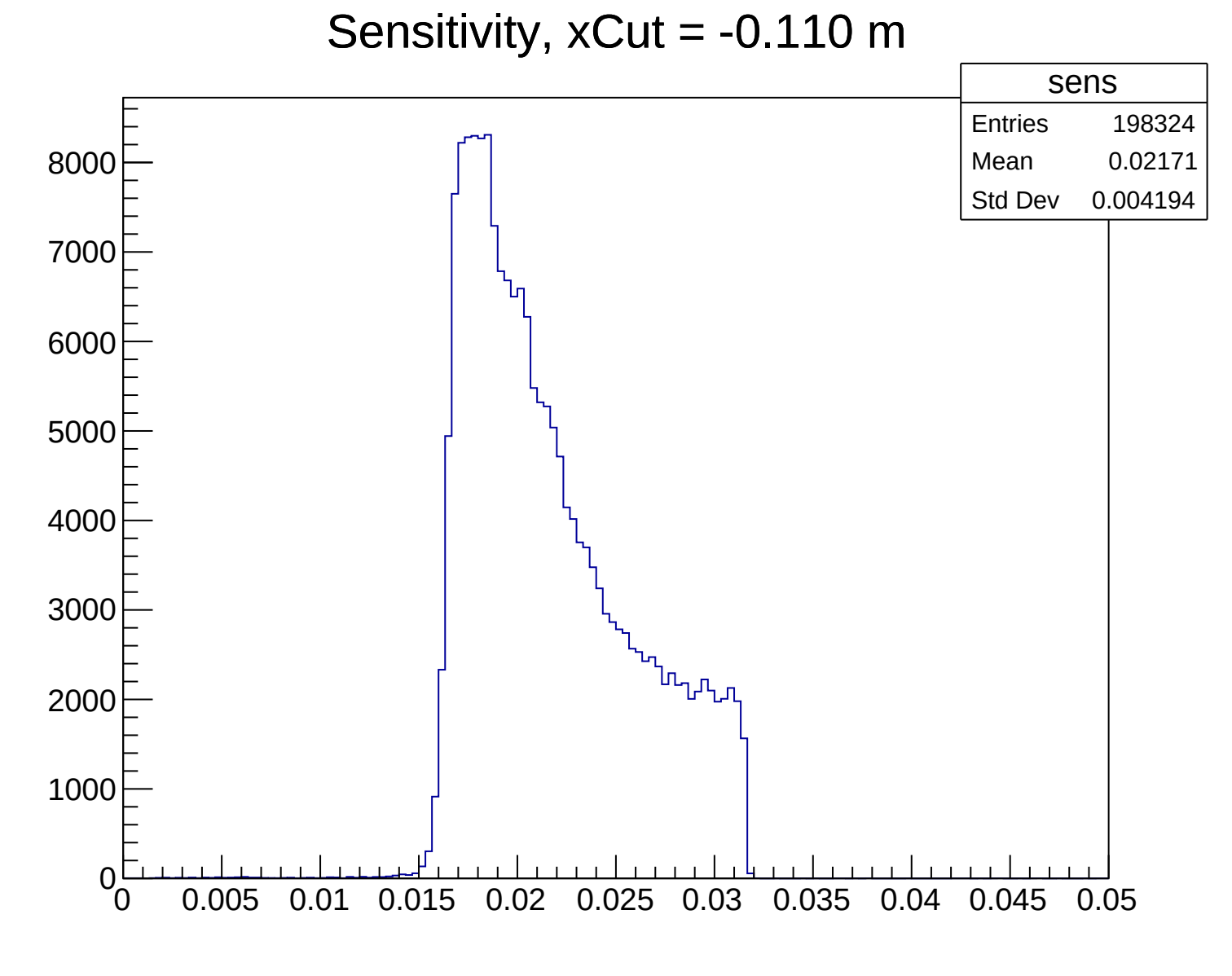

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

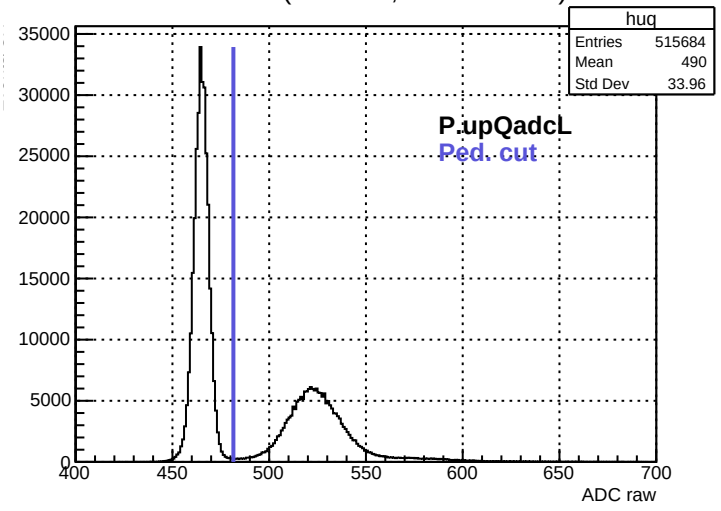

θlab (deg), xCut = -0.110 m
Theta
Entries 198324
Mean 4.732
Std Dev 0.4897
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

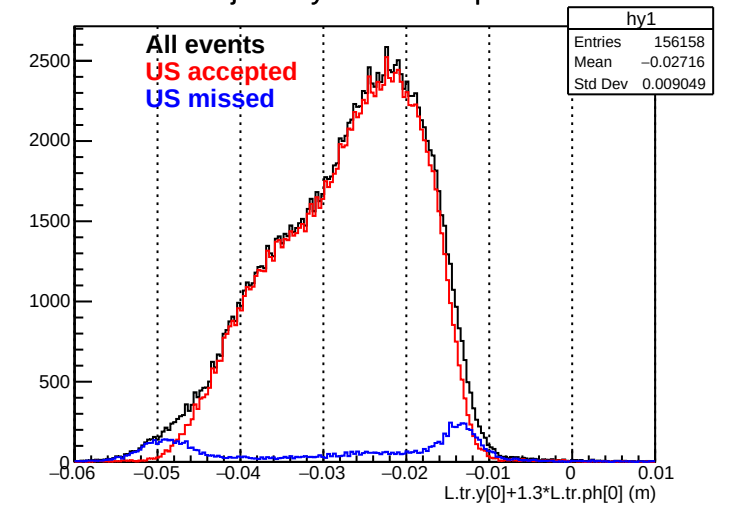

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 198324
Mean 0.5603
Std Dev 0.08506
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

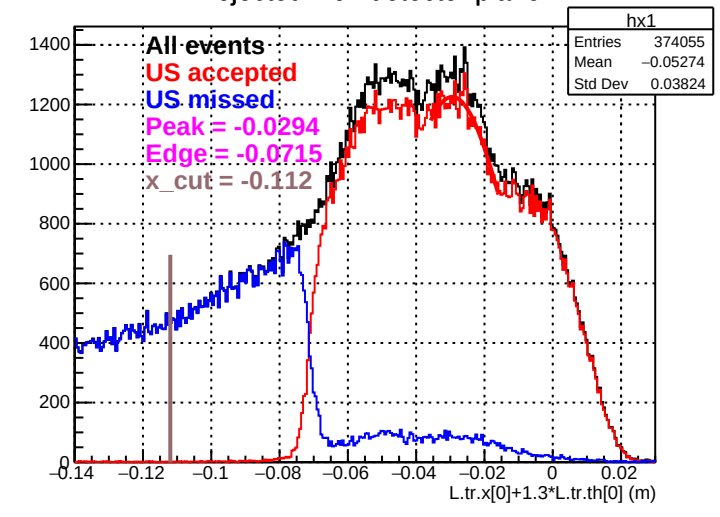

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 198324
Mean 0.5478
Std Dev 0.08106
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

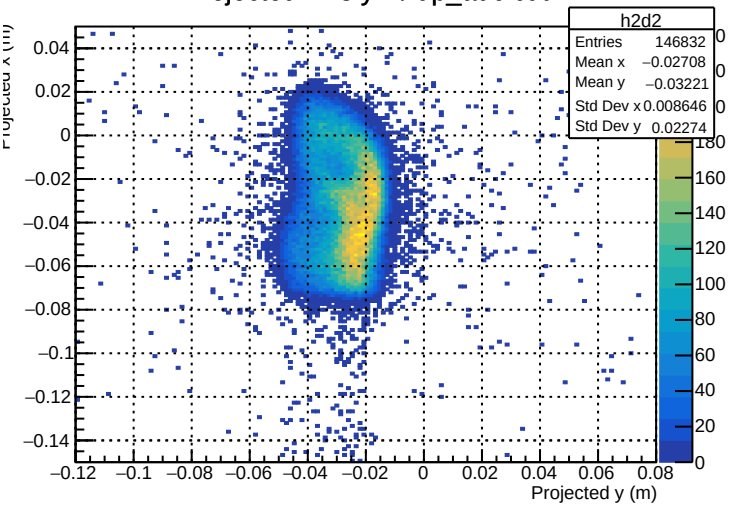

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 198324
Mean 0.006189
Std Dev 0.001318
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

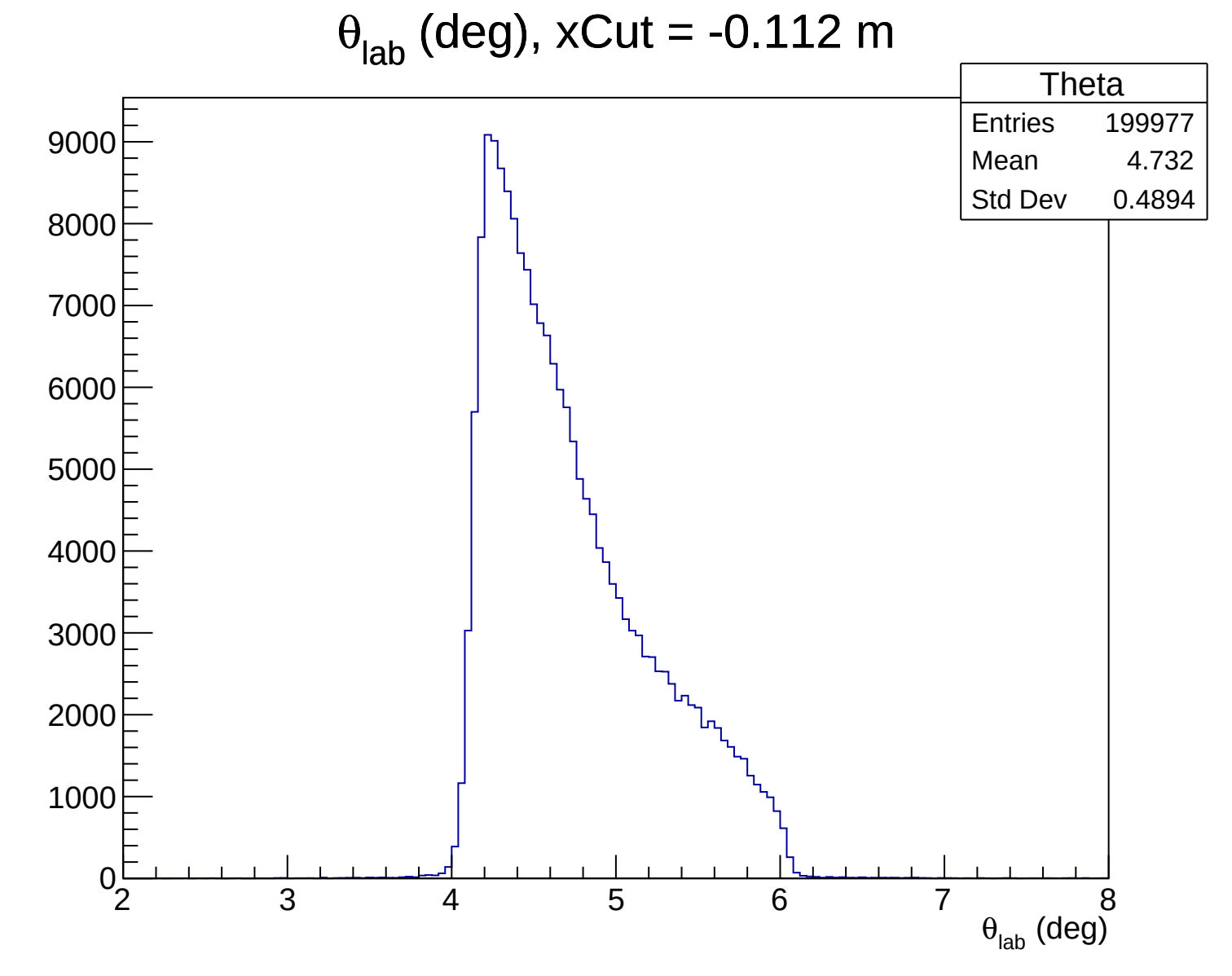

Sensitivity, xCut = -0.110 m
sens
Entries 198324
Mean 0.02171
Std Dev 0.004194
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

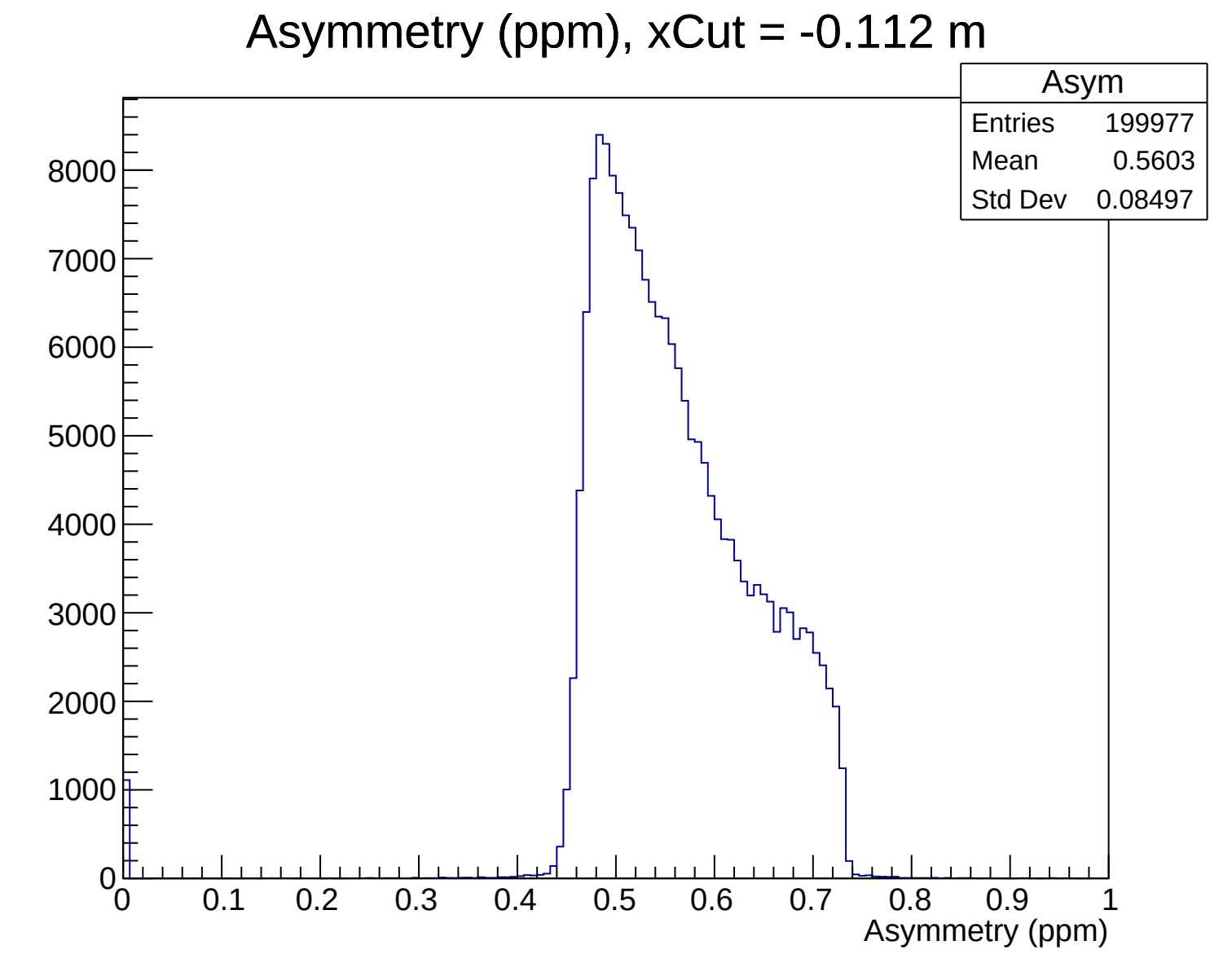

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

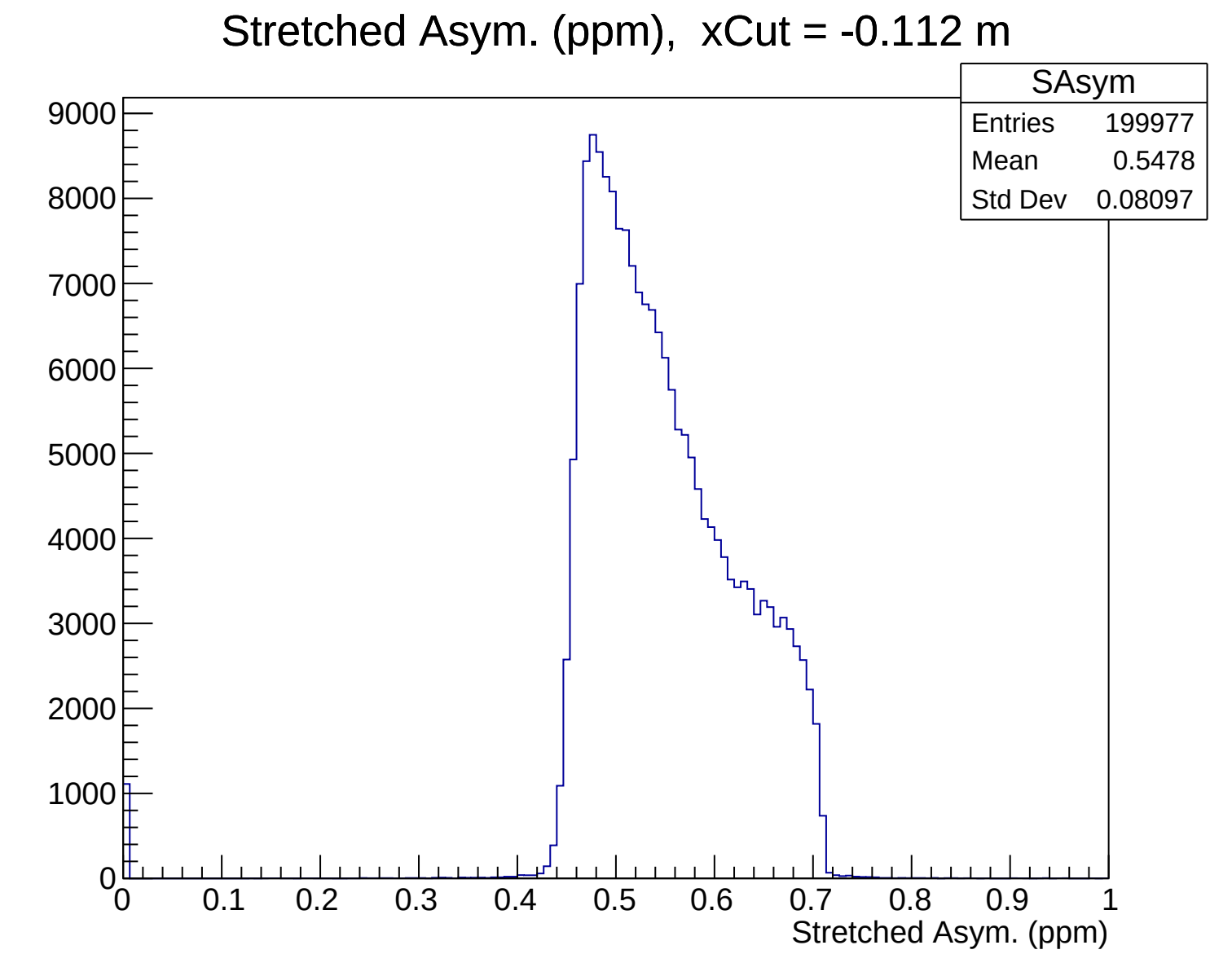

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

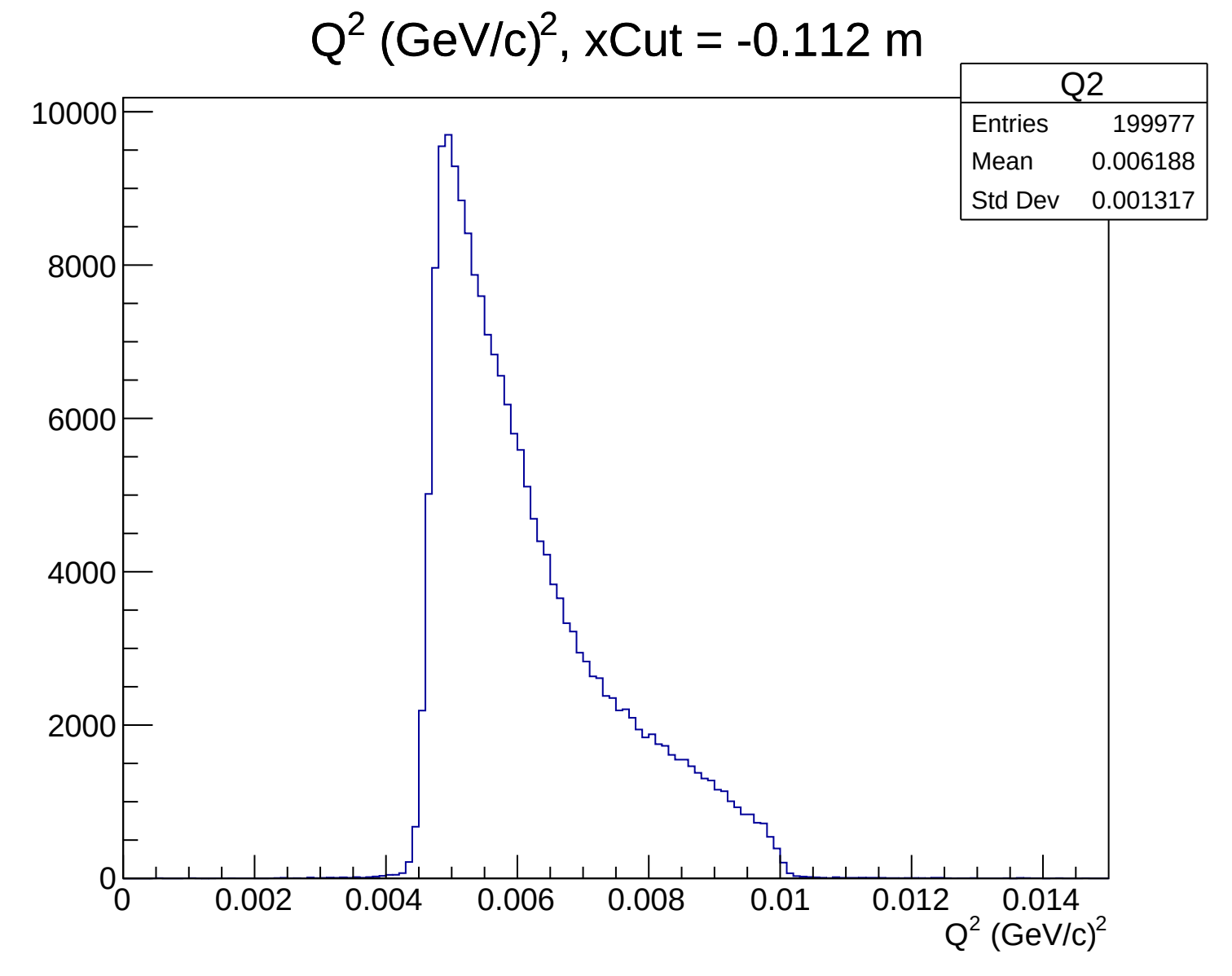

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.112
L.tr.x[0]+1.3*L.tr.th[0] (m)

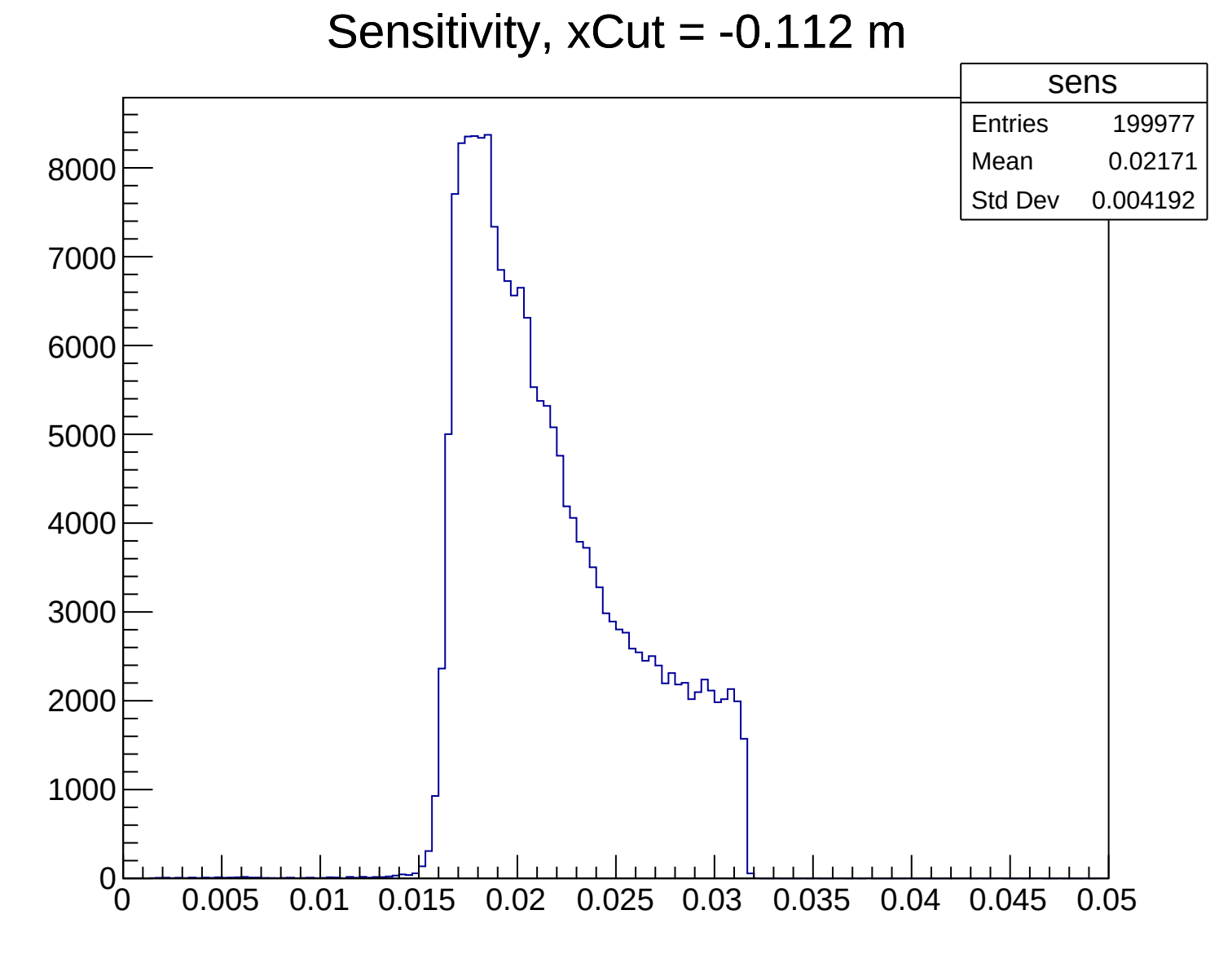

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)

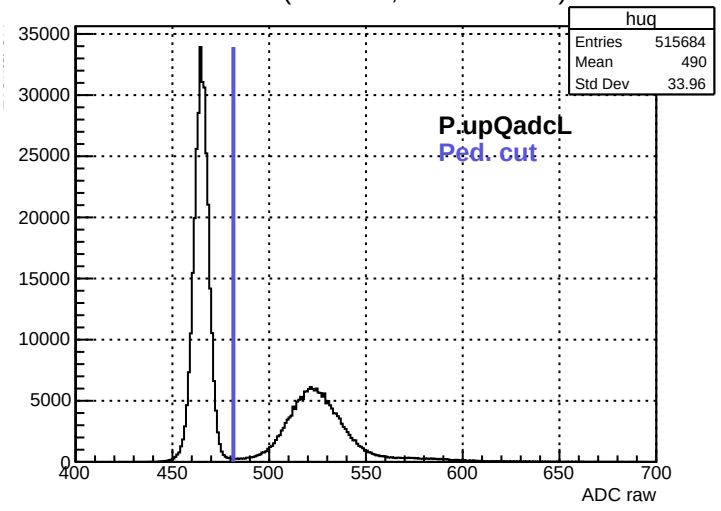

θlab (deg), xCut = -0.112 m
Theta
Entries 199977
Mean 4.732
Std Dev 0.4894
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

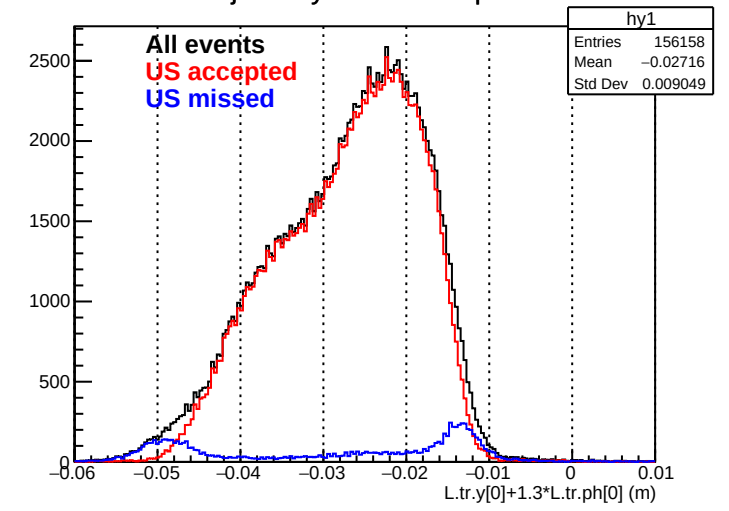

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 199977
Mean 0.5603
Std Dev 0.08497
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

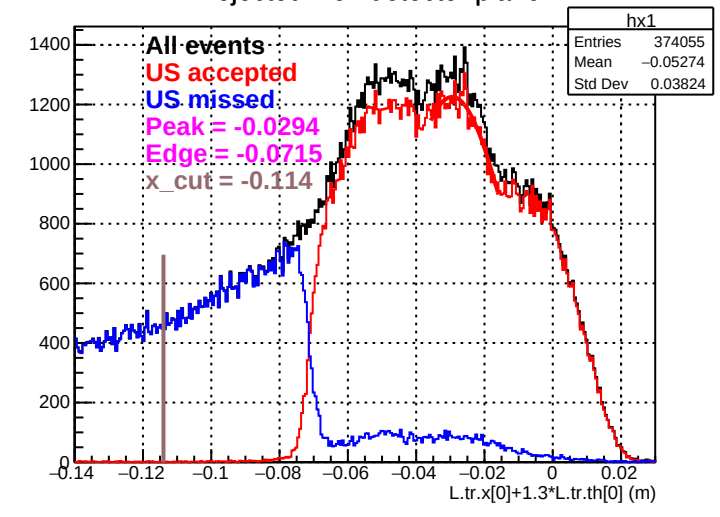

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 199977
Mean 0.5478
Std Dev 0.08097
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

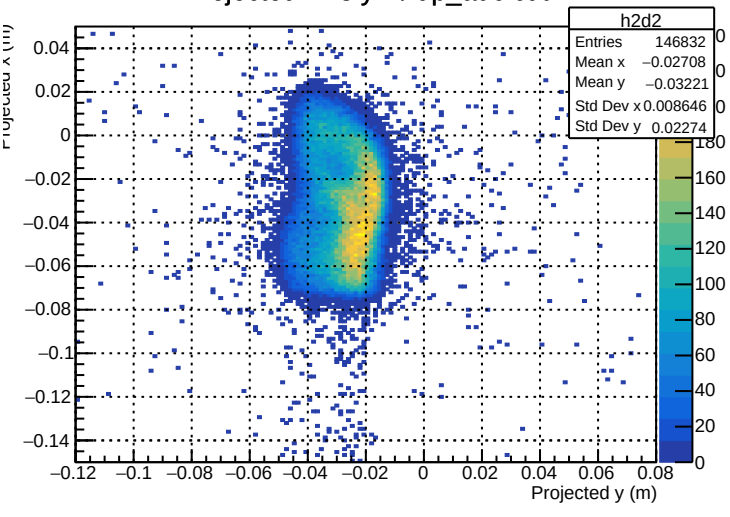

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 199977
Mean 0.006188
Std Dev 0.001317
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

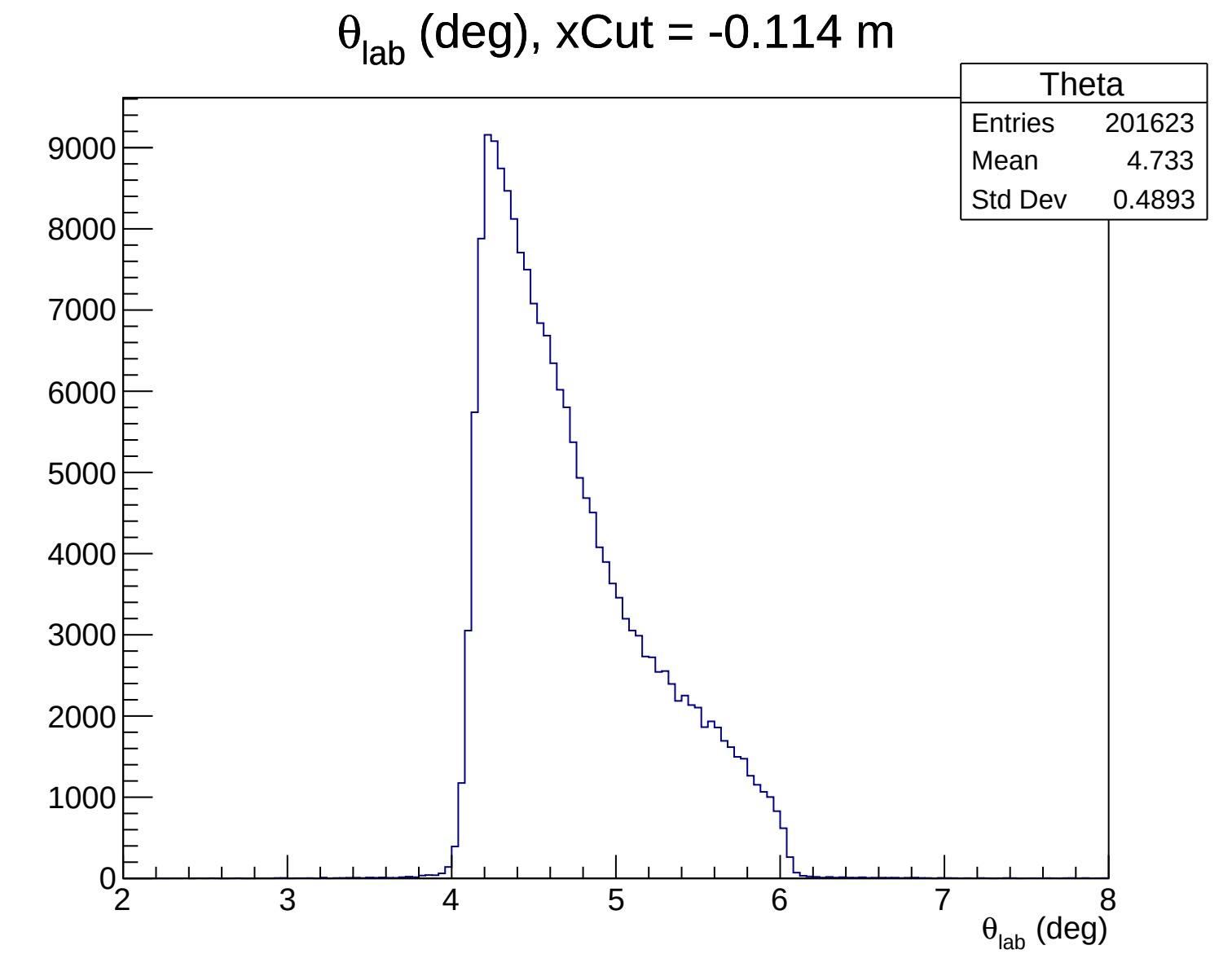

Sensitivity, xCut = -0.112 m
sens
Entries 199977
Mean 0.02171
Std Dev 0.004192
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

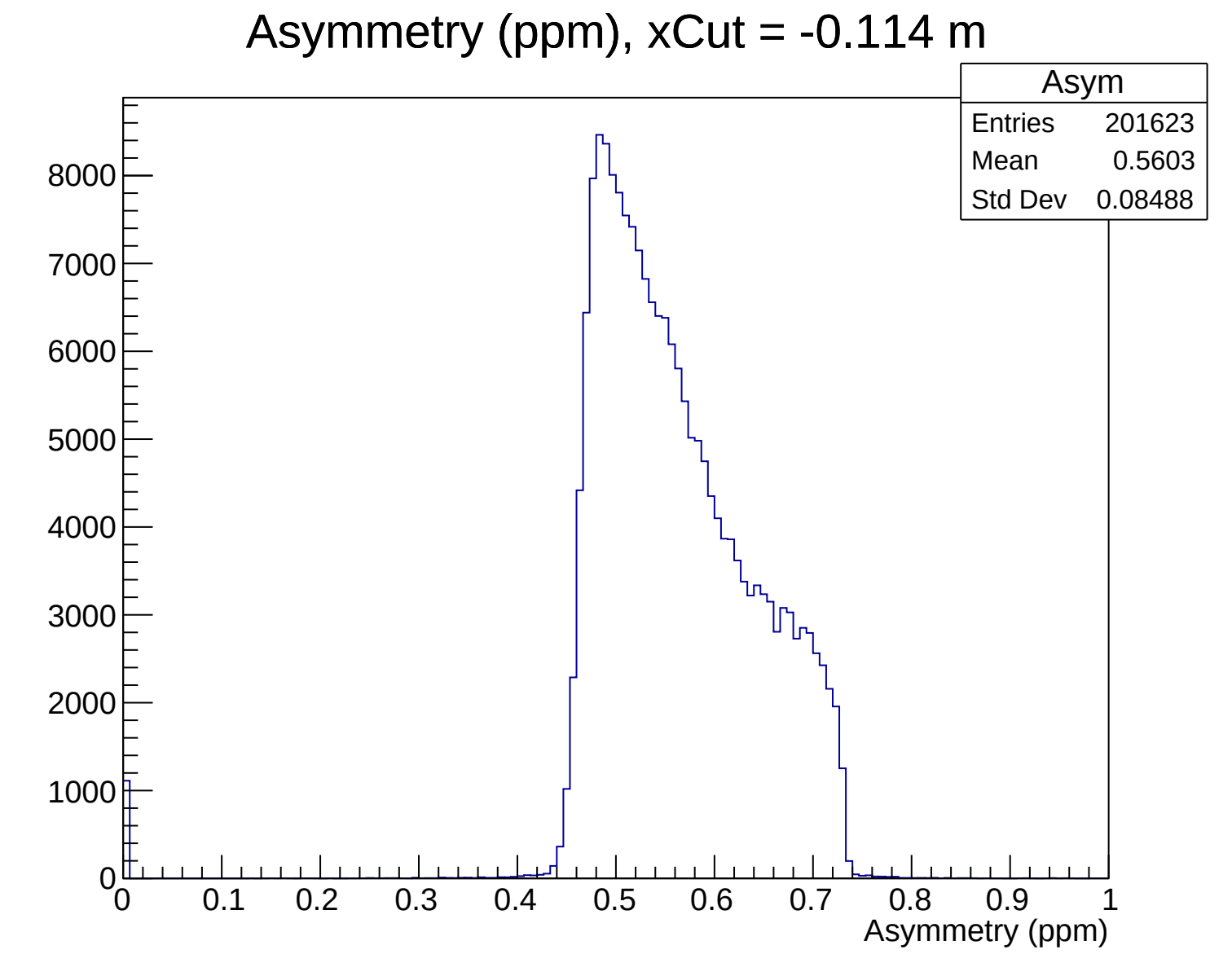

ADC raw (run2149, detZ = 1.3 m)
huq
Entries 515684
Mean 490
Std Dev 33.96
P.upQadcL
Ped. cut
ADC raw

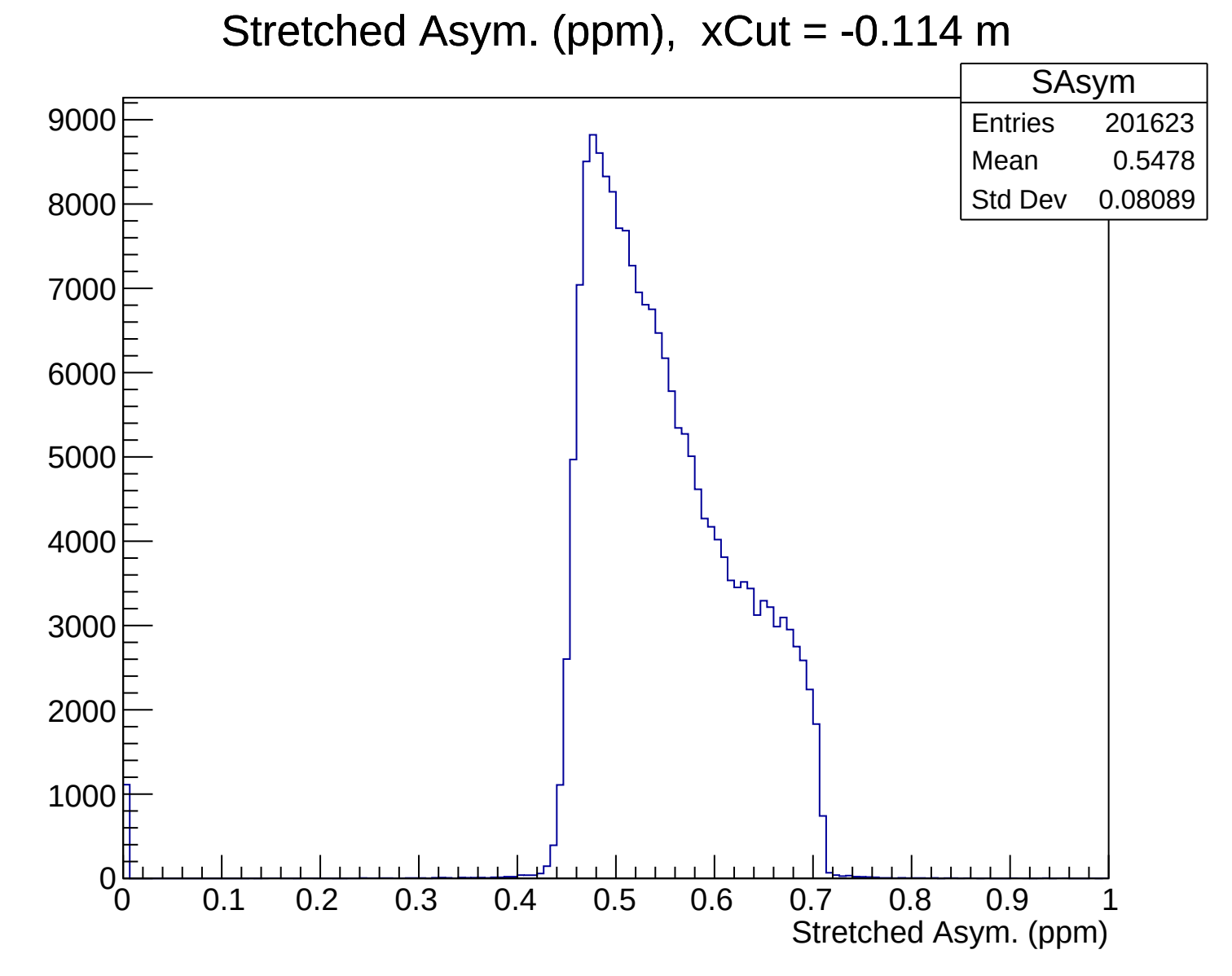

Projected y on detector plane
hy1
Entries 156158
Mean −0.02716
Std Dev 0.009049
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

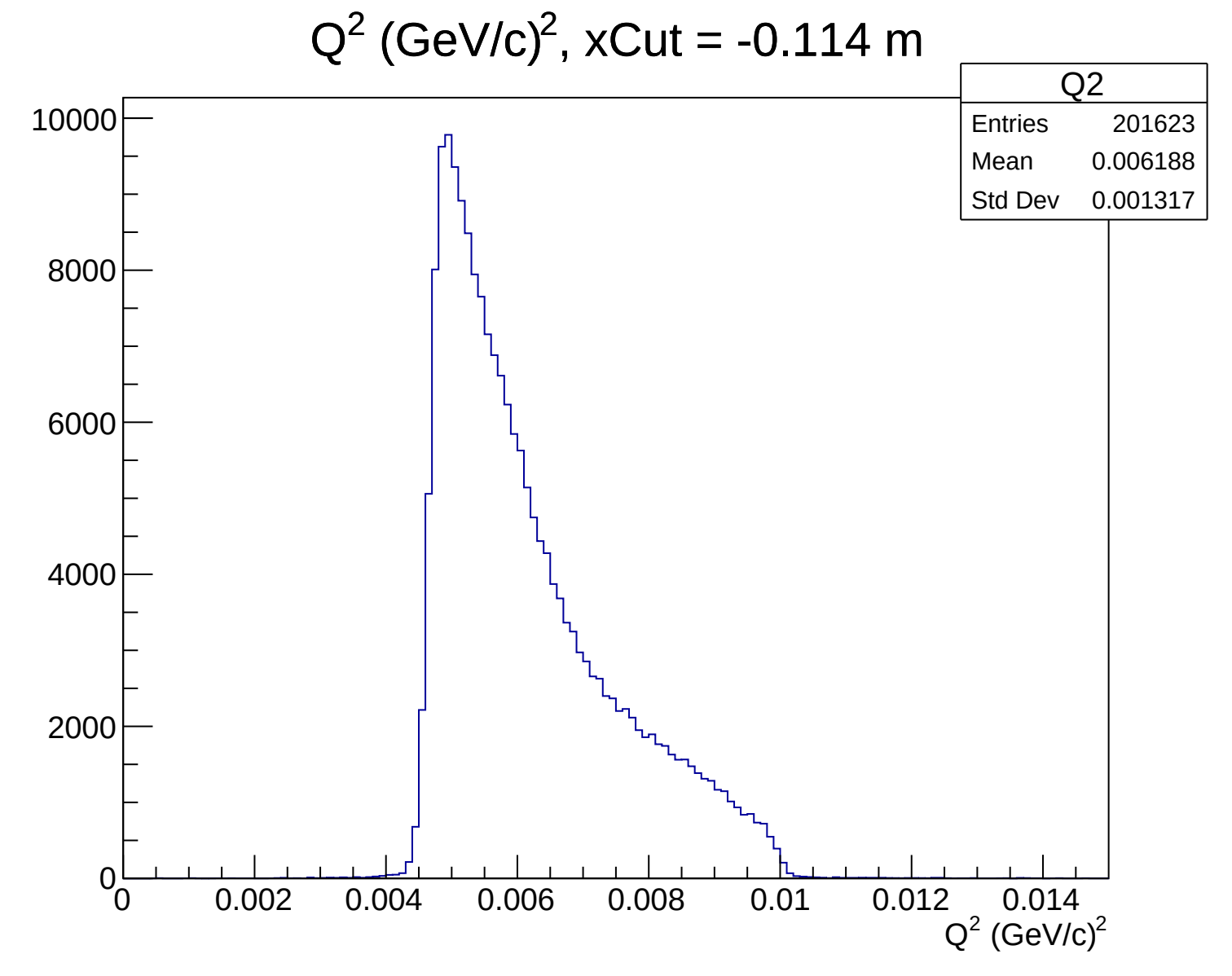

Projected x on detector plane
hx1
Entries 374055
Mean −0.05274
Std Dev 0.03824
All events
US accepted
US missed
Peak = -0.0294
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

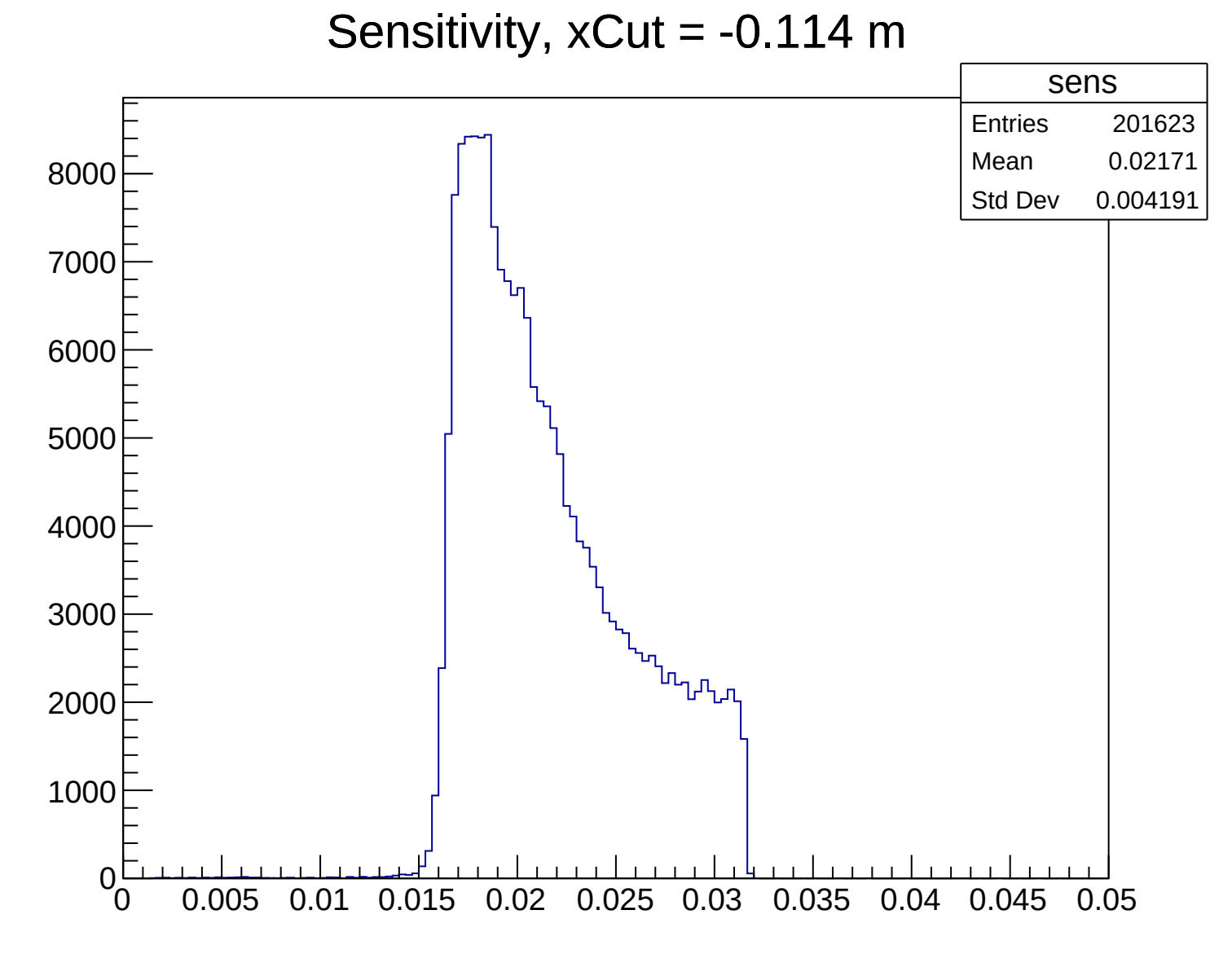

Projected x vs y w/ up_adc cut
h2d2
Entries 146832
Mean x −0.02708
Mean y −0.03221
Std Dev x 0.008646
Std Dev y 0.02274
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 201623
Mean 4.733
Std Dev 0.4893
9000
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 201623
Mean 0.5603
Std Dev 0.08488
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 201623
Mean 0.5478
Std Dev 0.08089
9000
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 201623
Mean 0.006188
Std Dev 0.001317
10000
8000
6000
4000
2000
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 201623
Mean 0.02171
Std Dev 0.004191
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