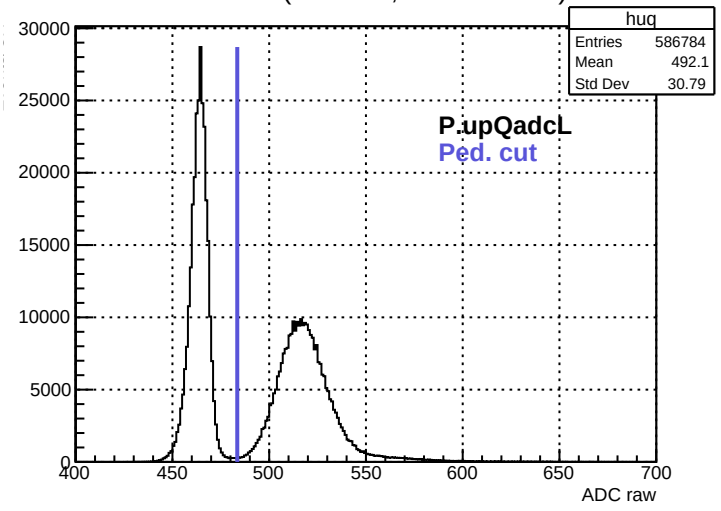
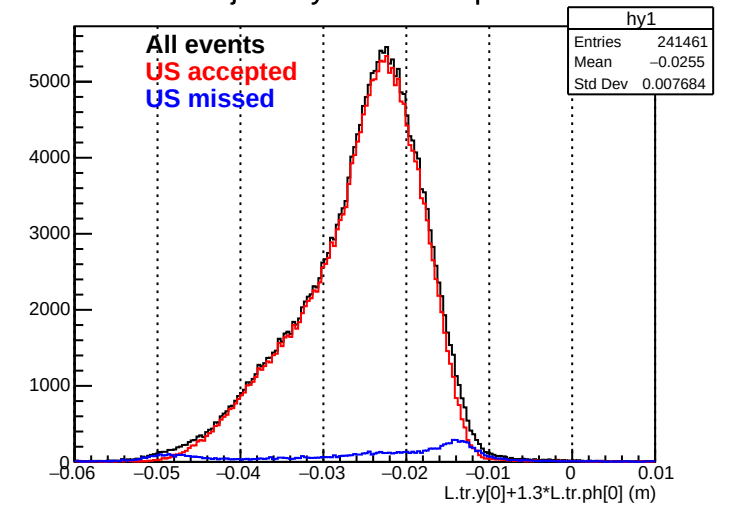
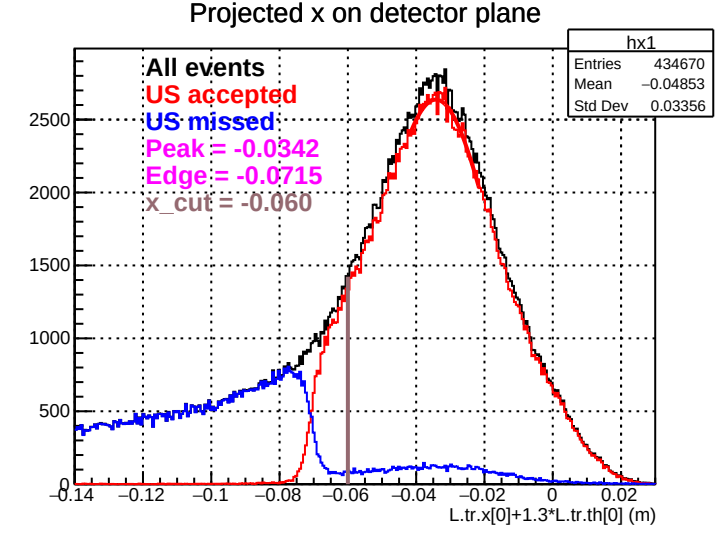
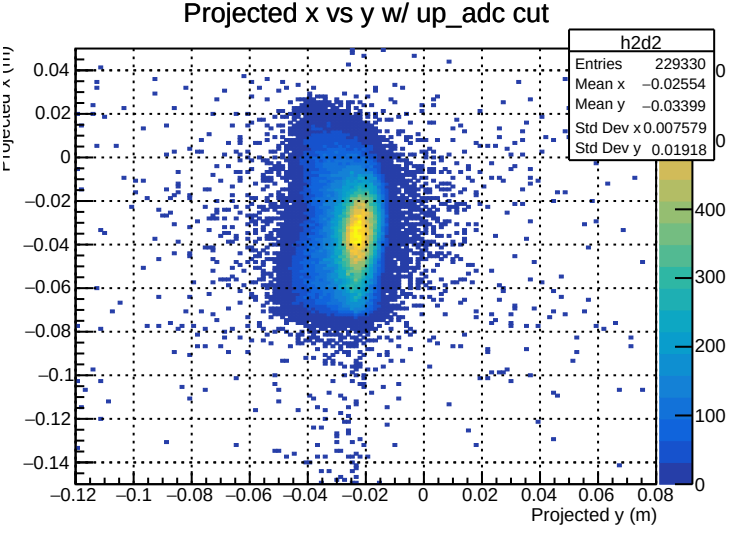
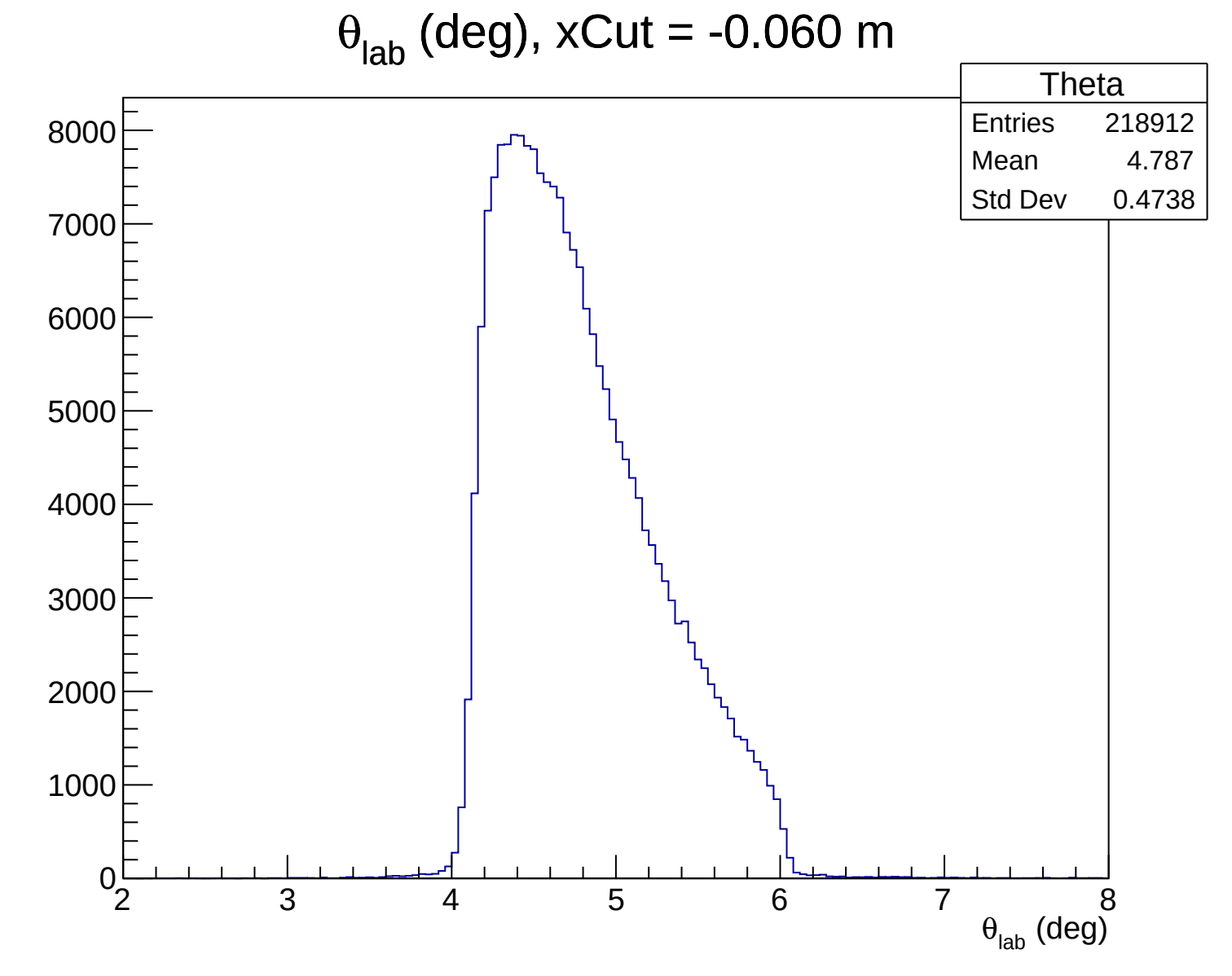
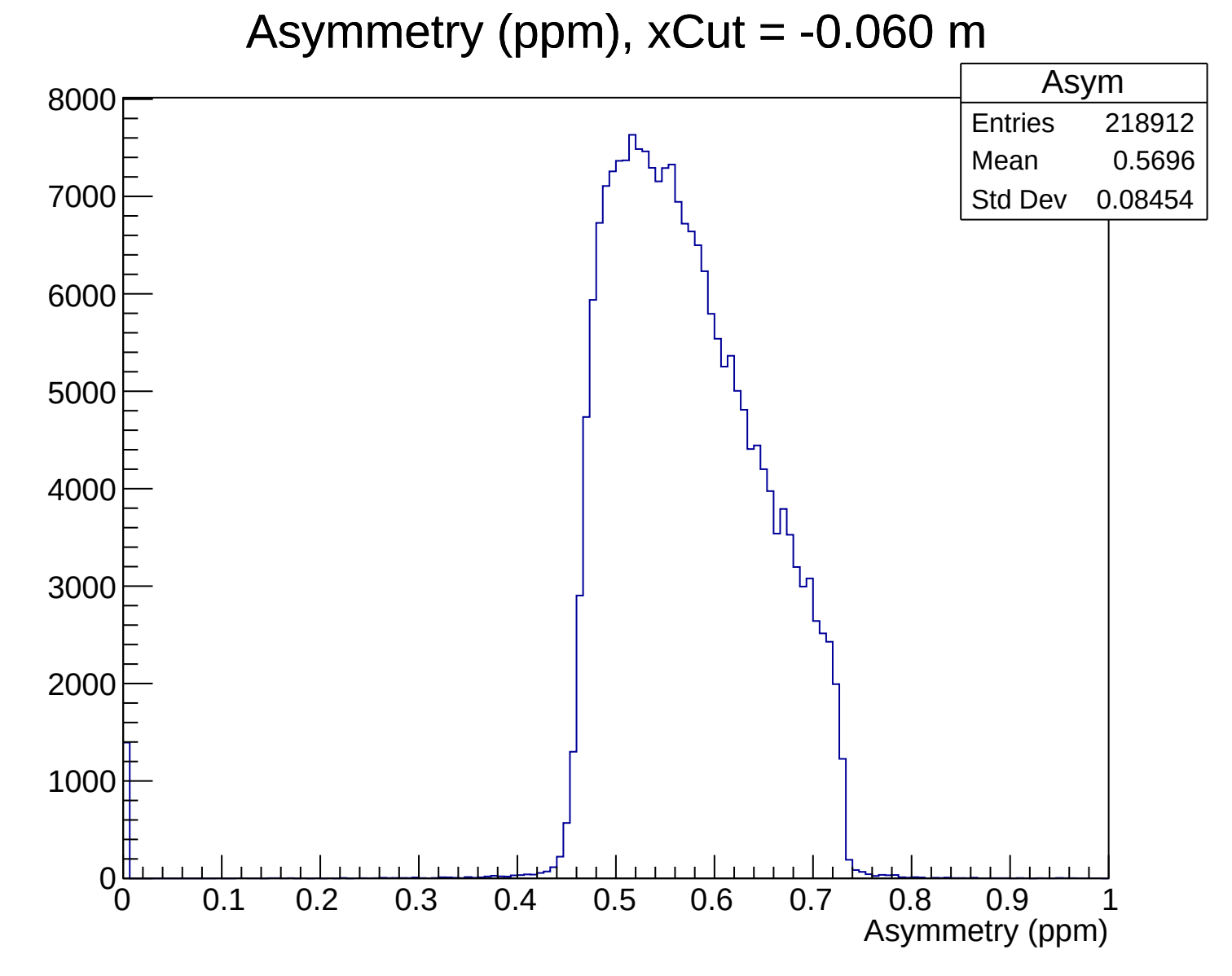

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

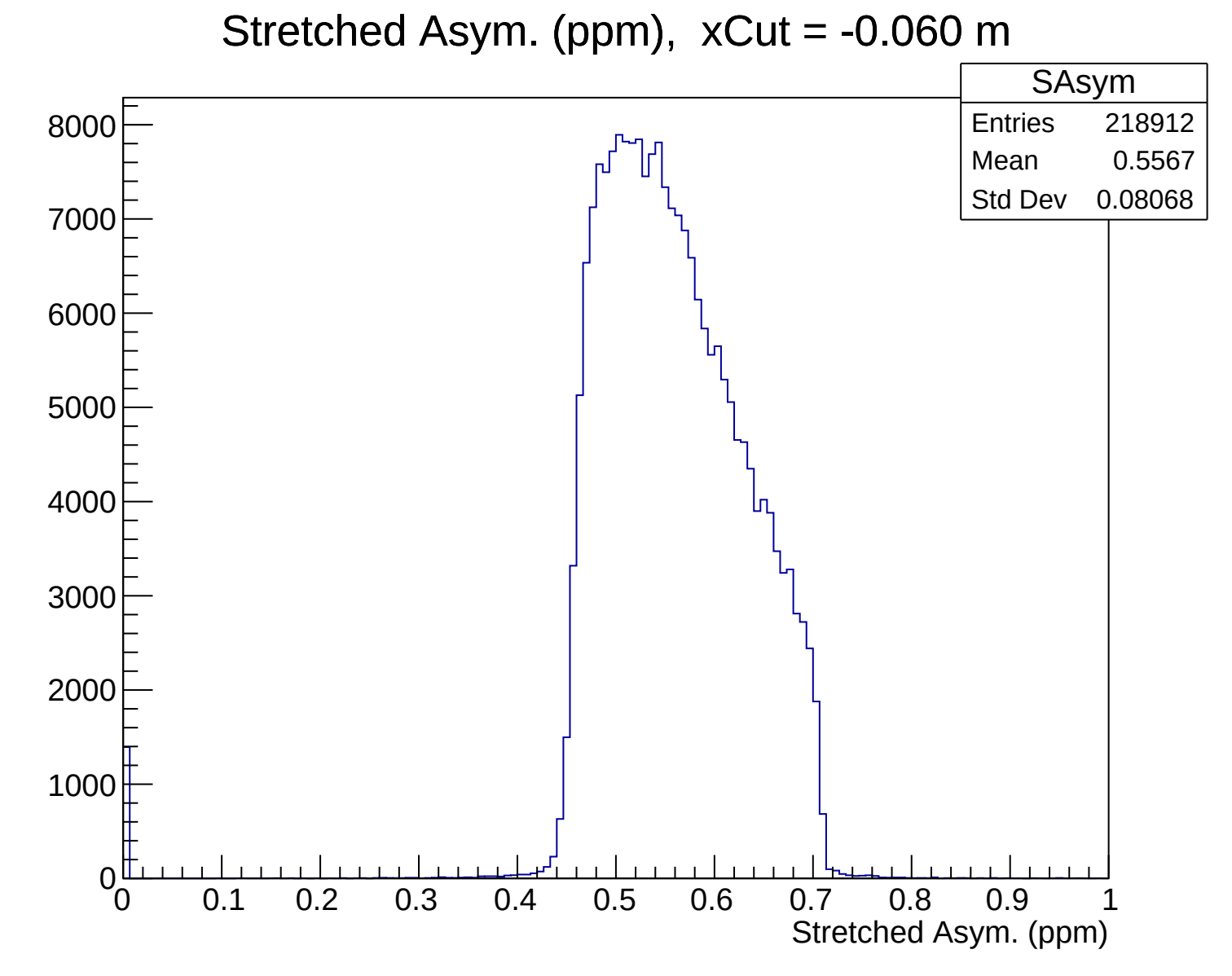

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

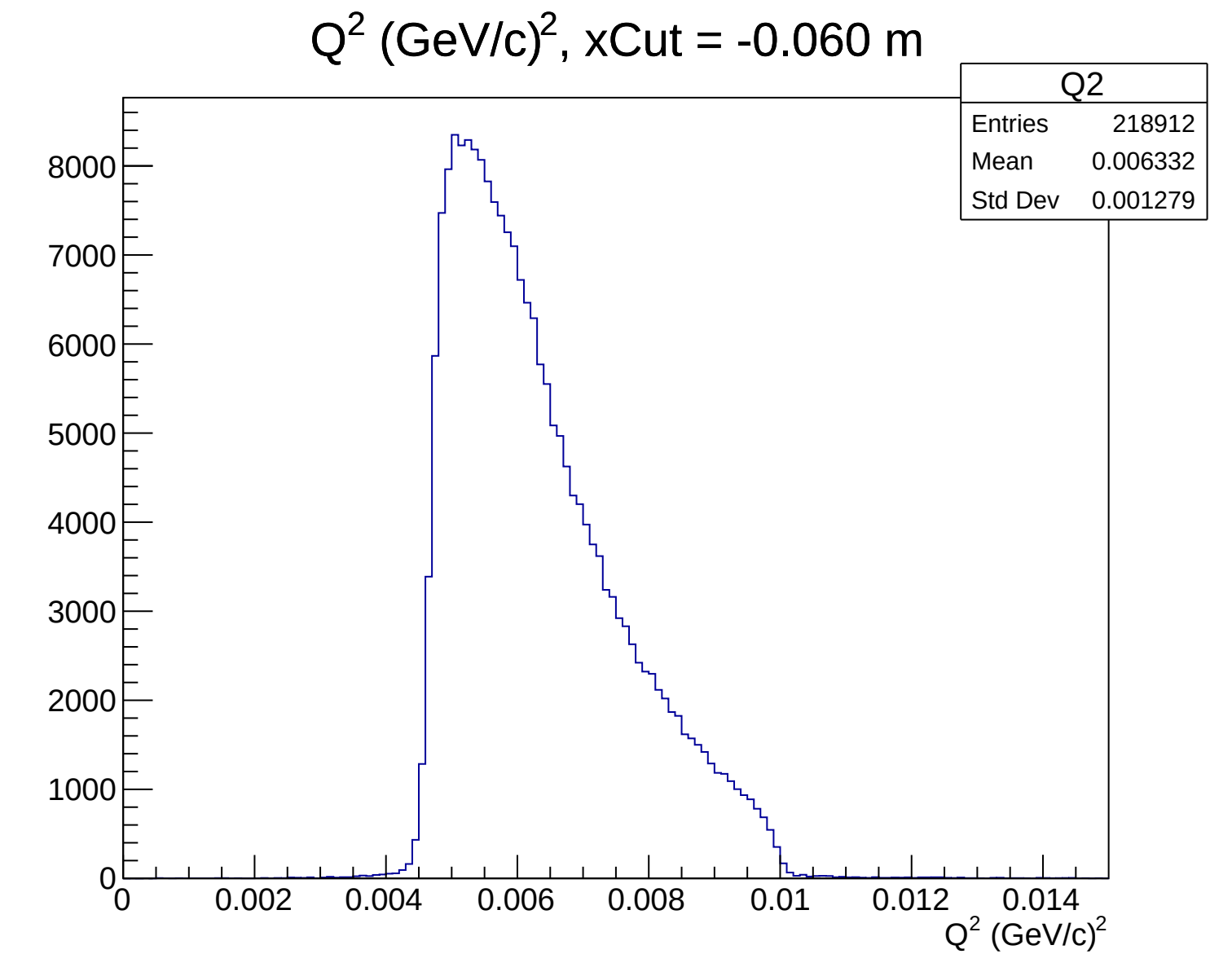

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

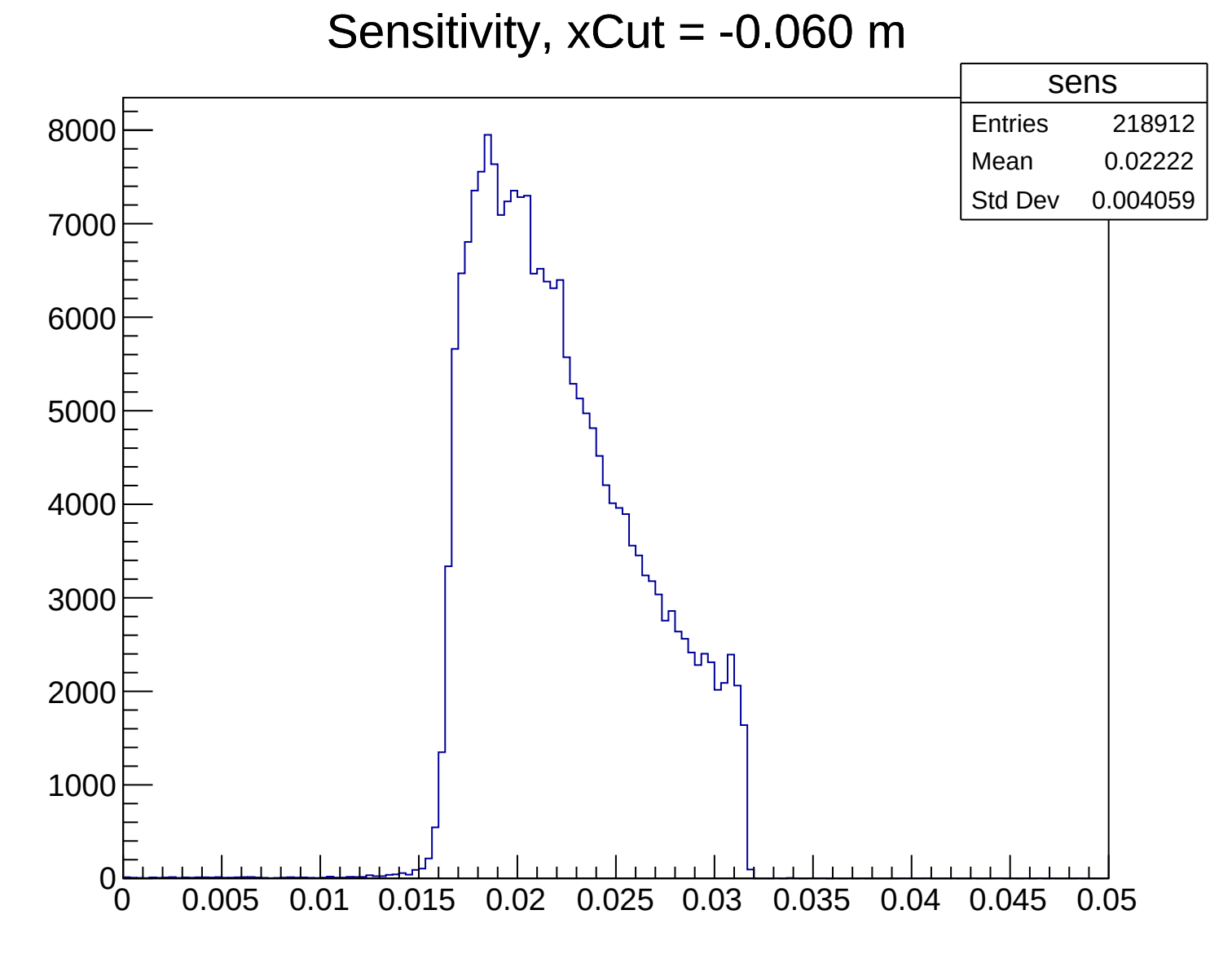

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

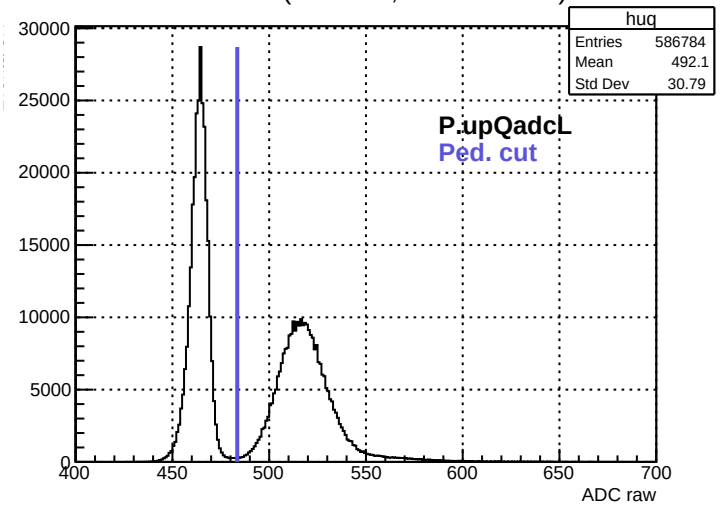

θlab (deg), xCut = -0.060 m
Theta
Entries 218912
Mean 4.787
Std Dev 0.4738
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

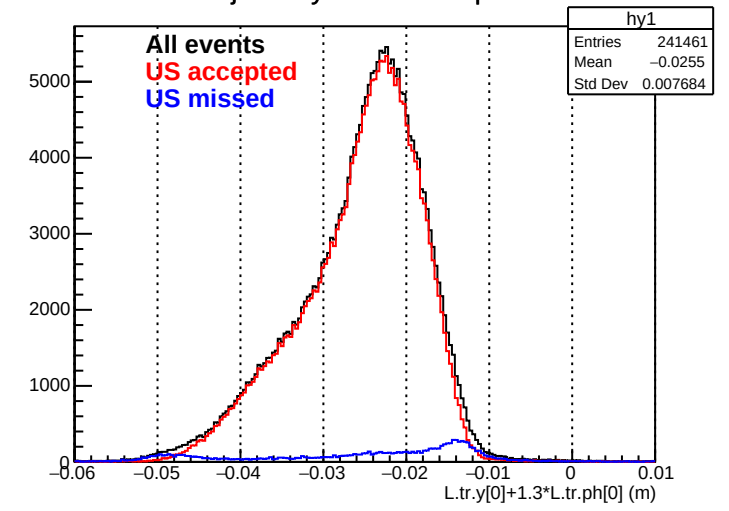

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 218912
Mean 0.5696
Std Dev 0.08454
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

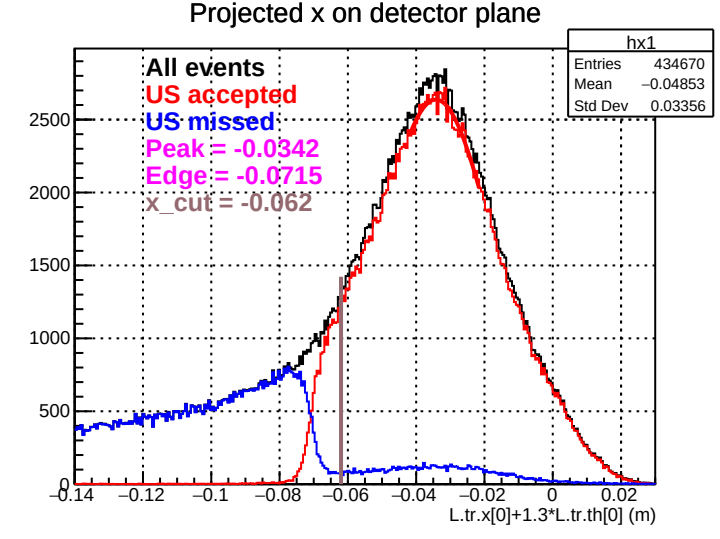

Stretched Asym. (ppm),  xCut = -0.060 m
SAsym
Entries 218912
Mean 0.5567
Std Dev 0.08068
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

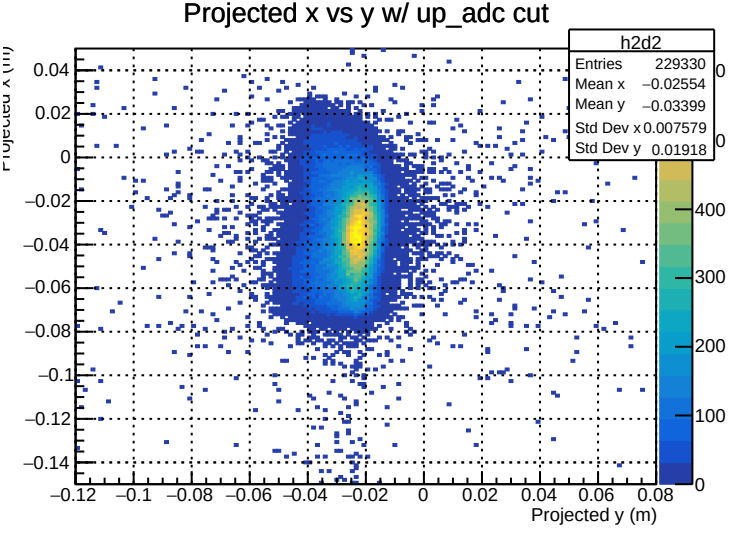

$Q^2$ (GeV/c)$^2$, xCut = -0.060 m
Q2
Entries 218912
Mean 0.006332
Std Dev 0.001279
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

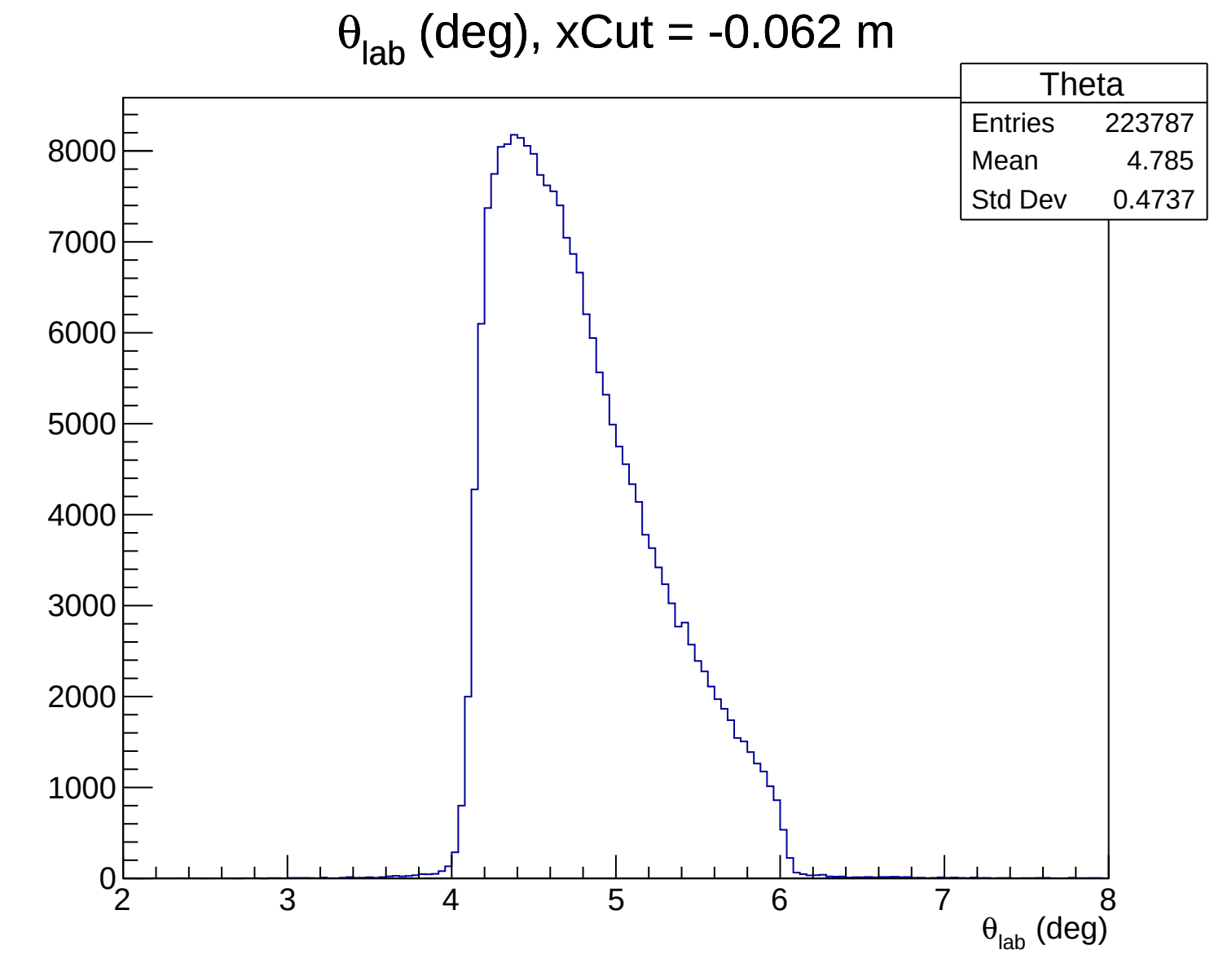

Sensitivity, xCut = -0.060 m
sens
Entries 218912
Mean 0.02222
Std Dev 0.004059
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

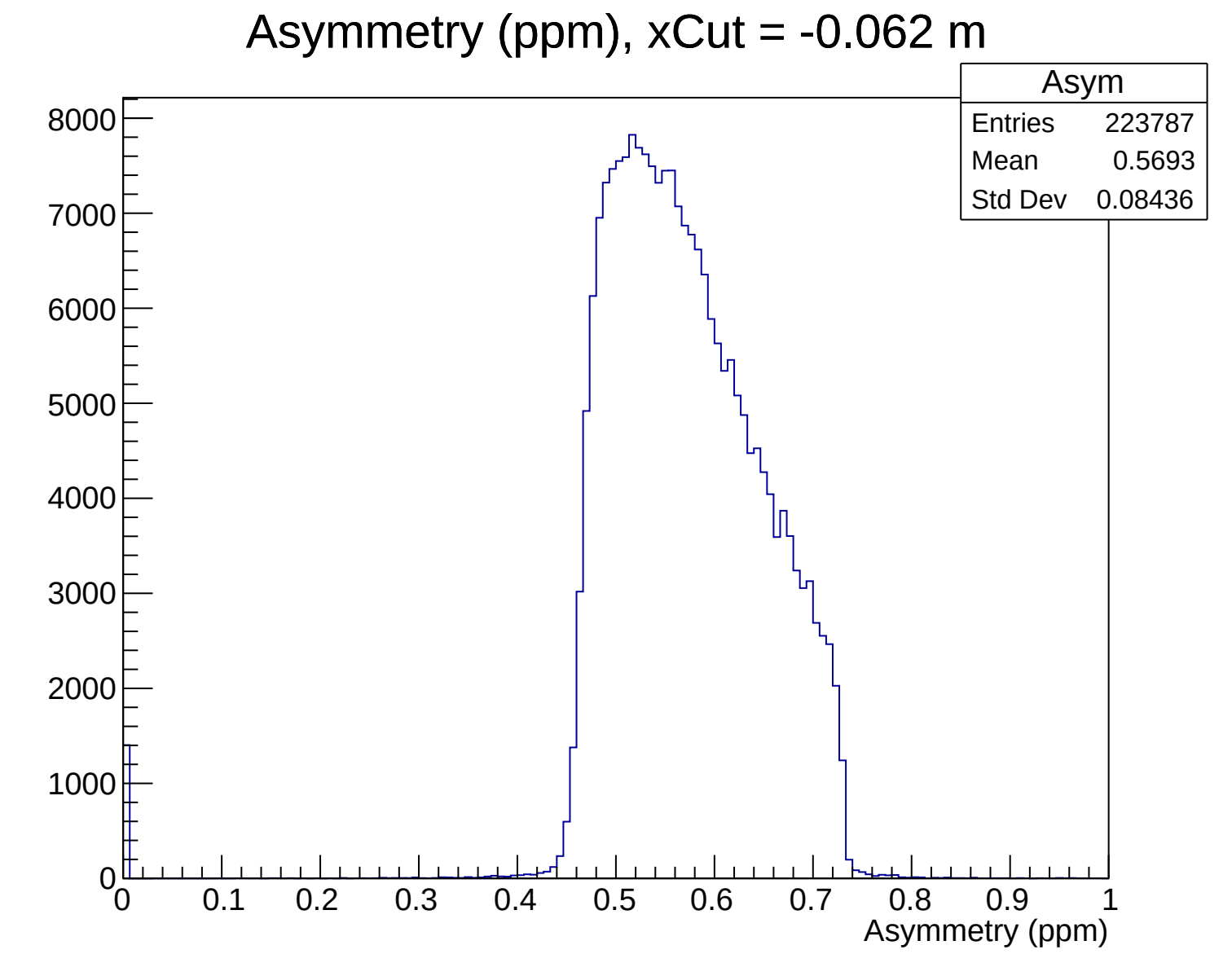

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

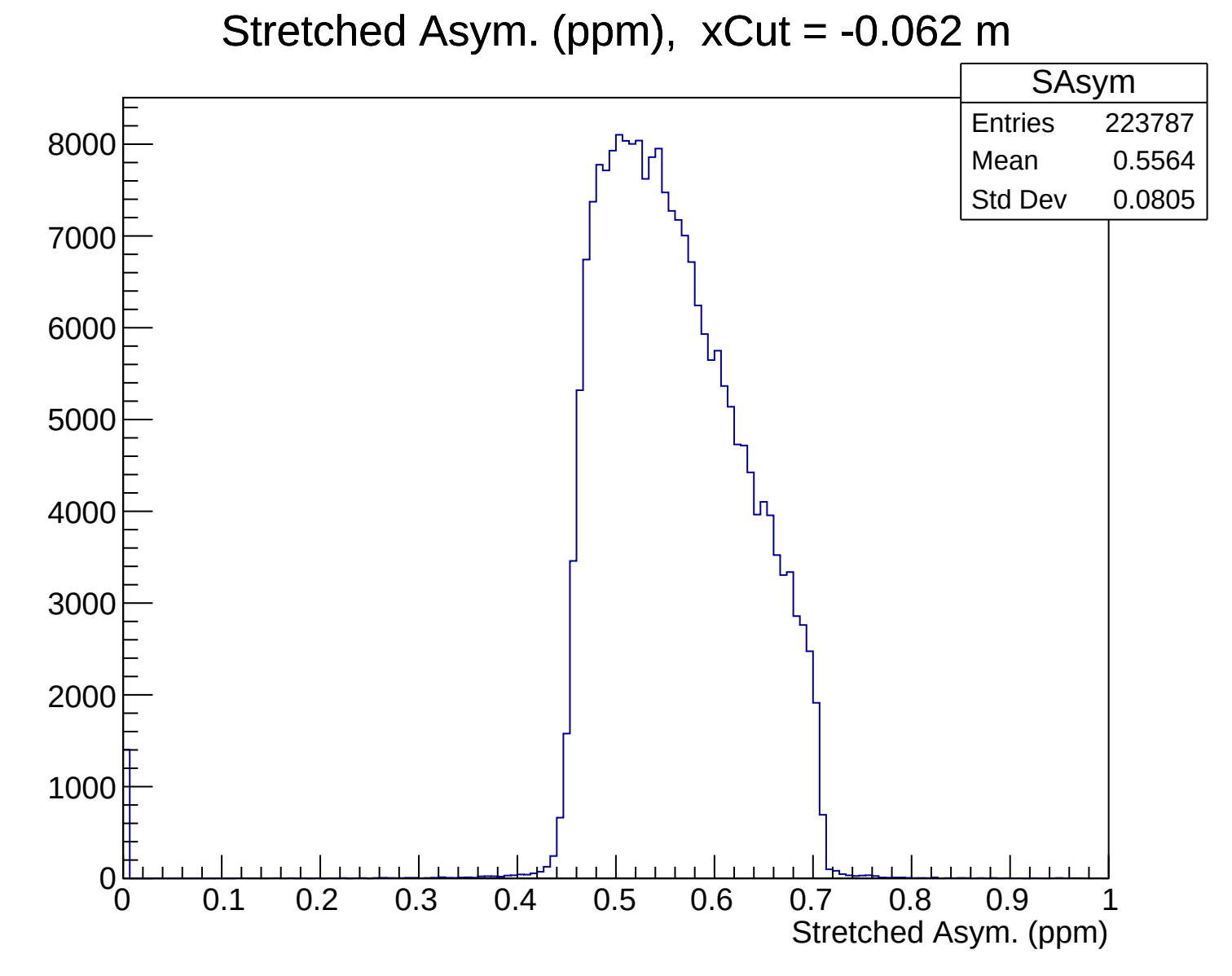

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

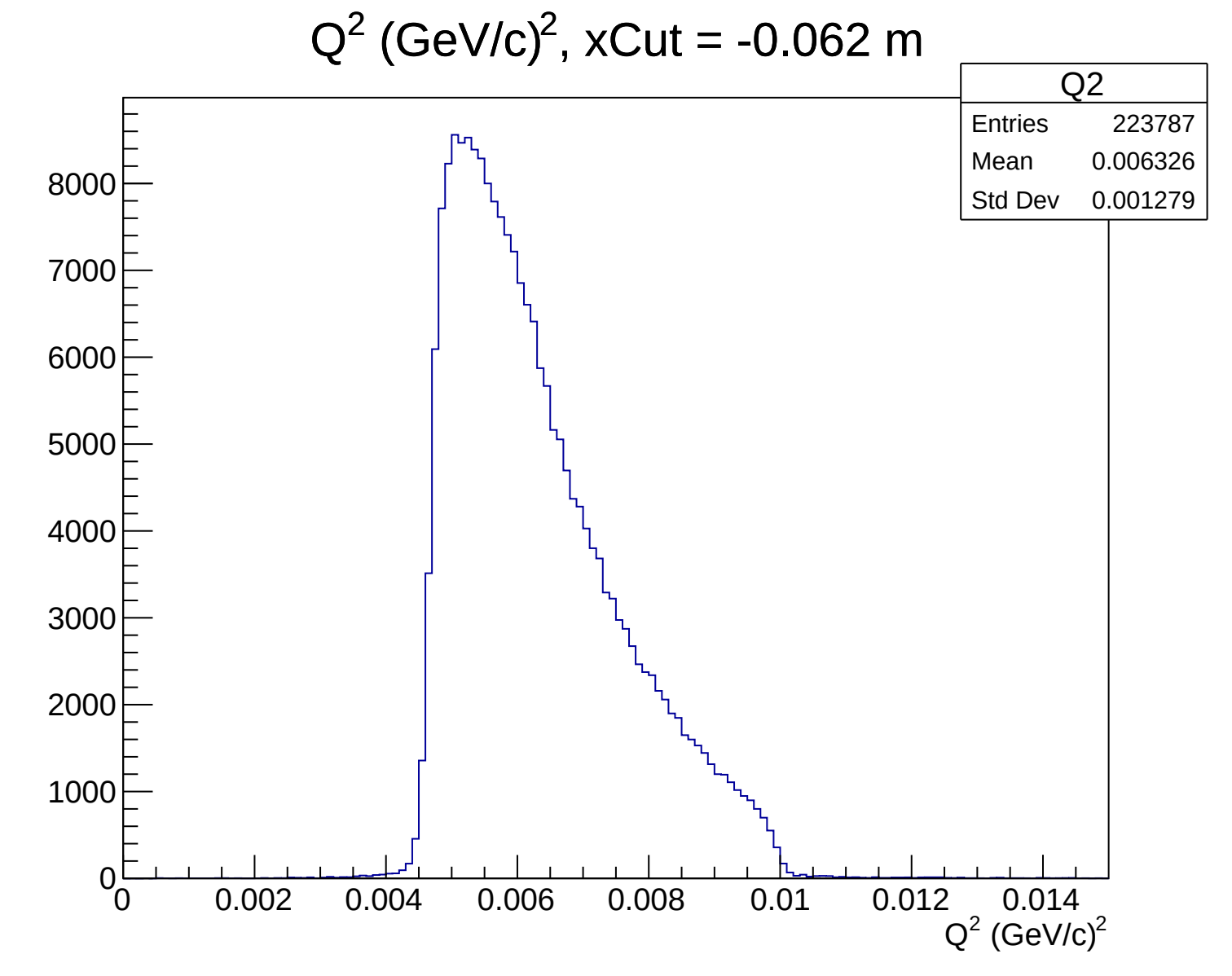

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

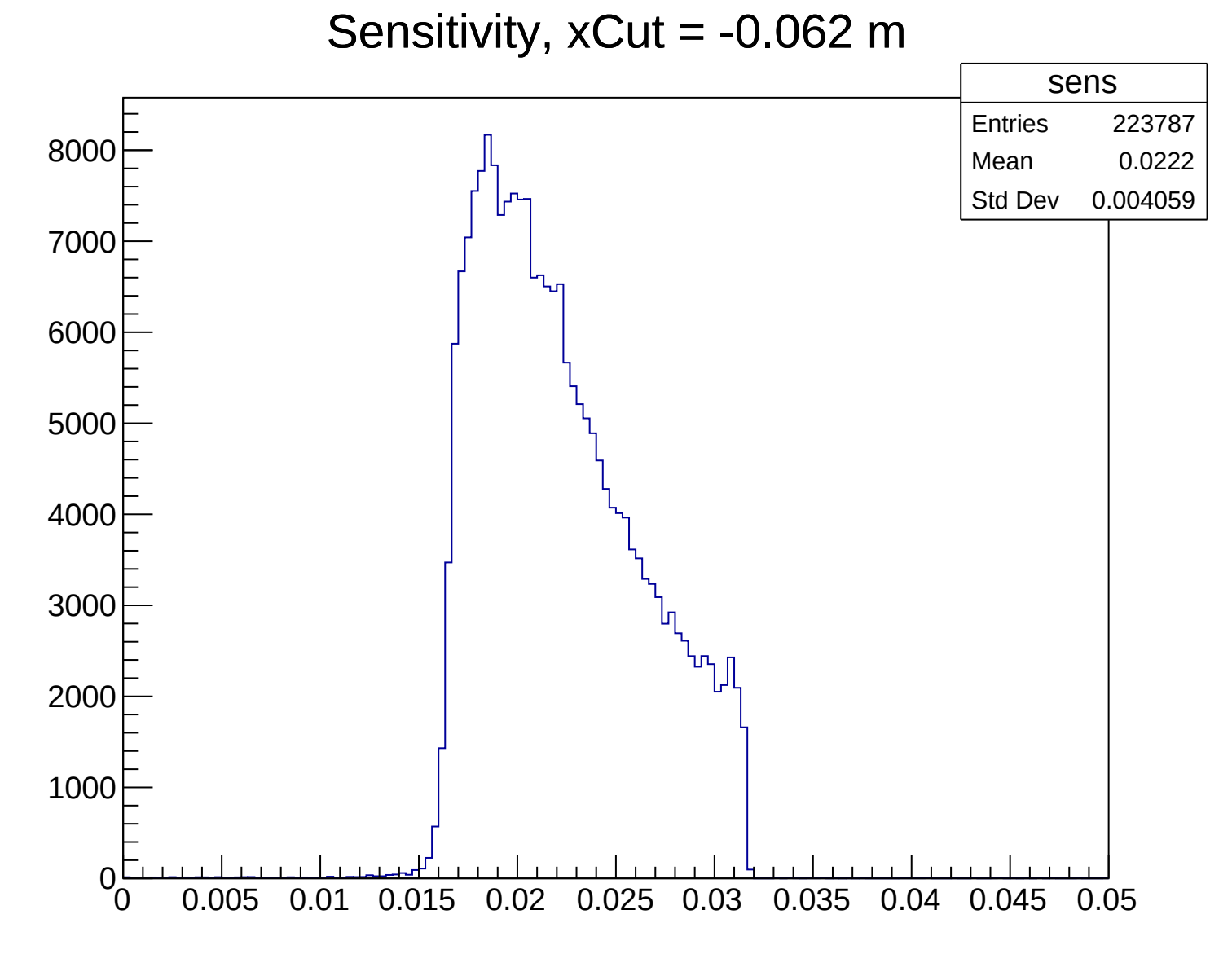

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

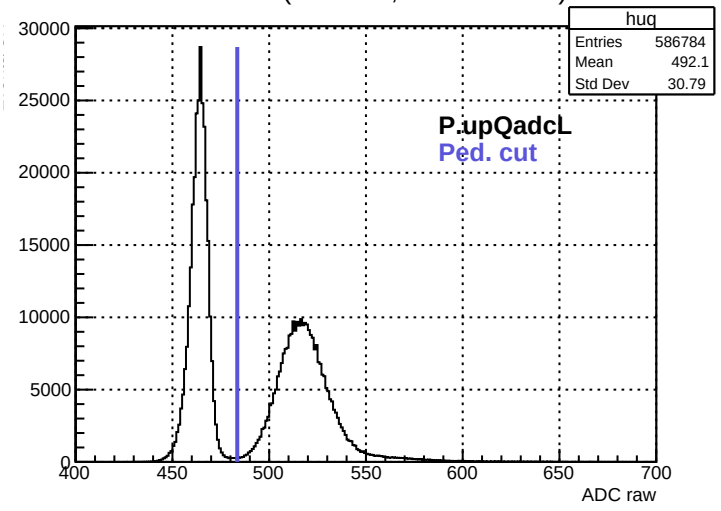

θlab (deg), xCut = -0.062 m
Theta
Entries 223787
Mean 4.785
Std Dev 0.4737
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

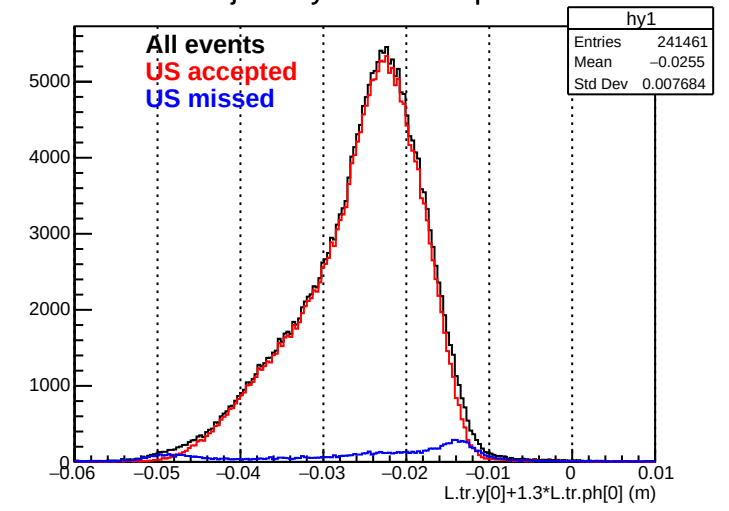

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 223787
Mean 0.5693
Std Dev 0.08436
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

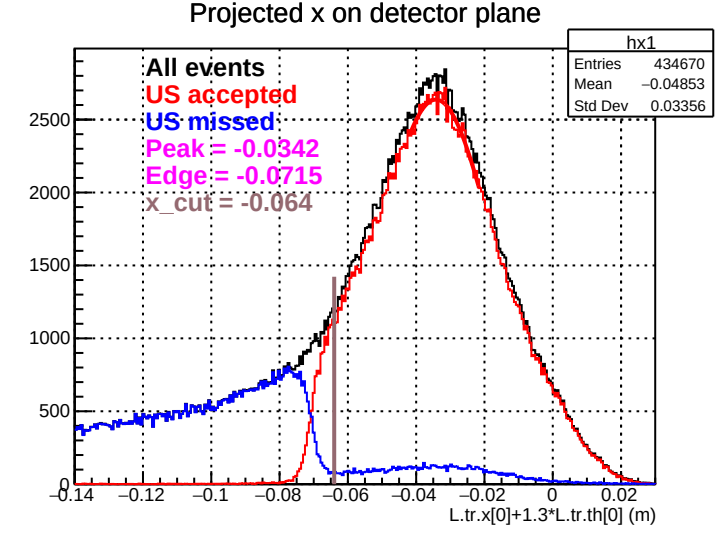

Stretched Asym. (ppm),  xCut = -0.062 m
SAsym
Entries 223787
Mean 0.5564
Std Dev 0.0805
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

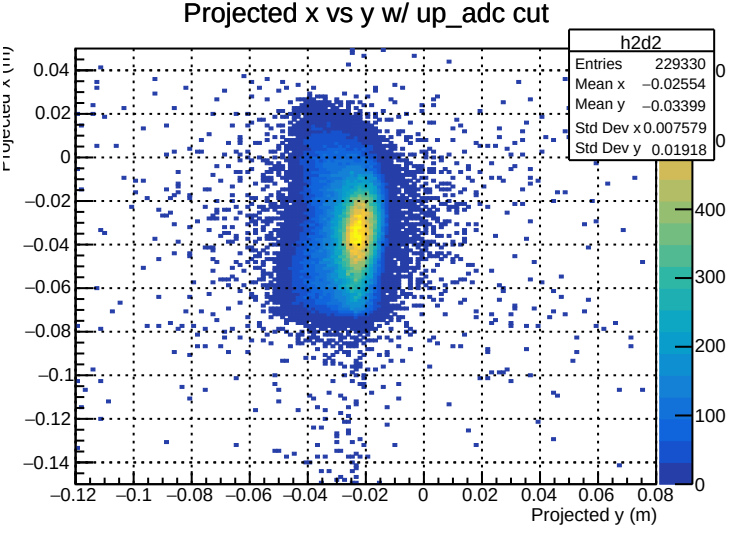

$Q^2$ (GeV/c)$^2$, xCut = -0.062 m
Q2
Entries 223787
Mean 0.006326
Std Dev 0.001279
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

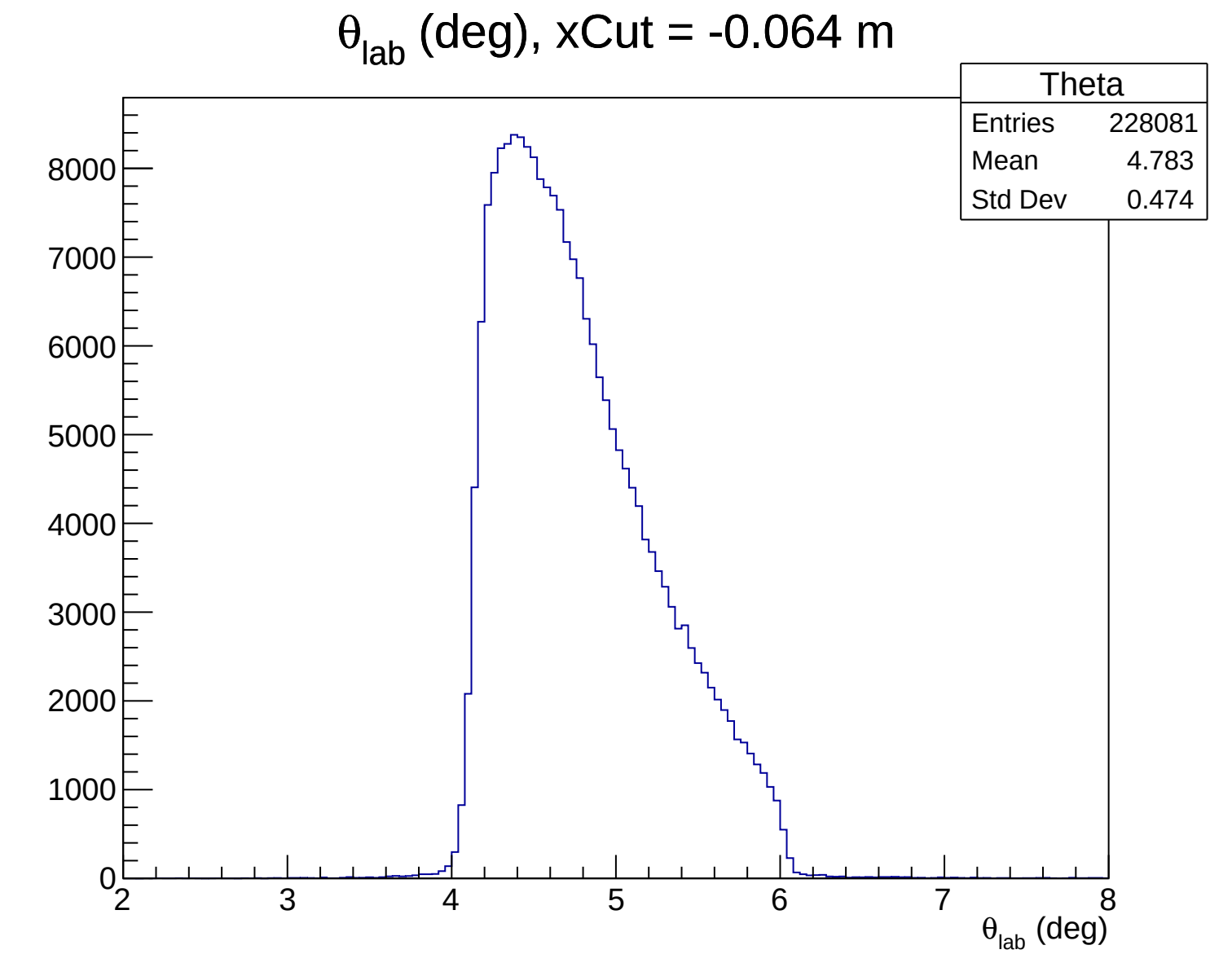

Sensitivity, xCut = -0.062 m
sens
Entries 223787
Mean 0.0222
Std Dev 0.004059
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

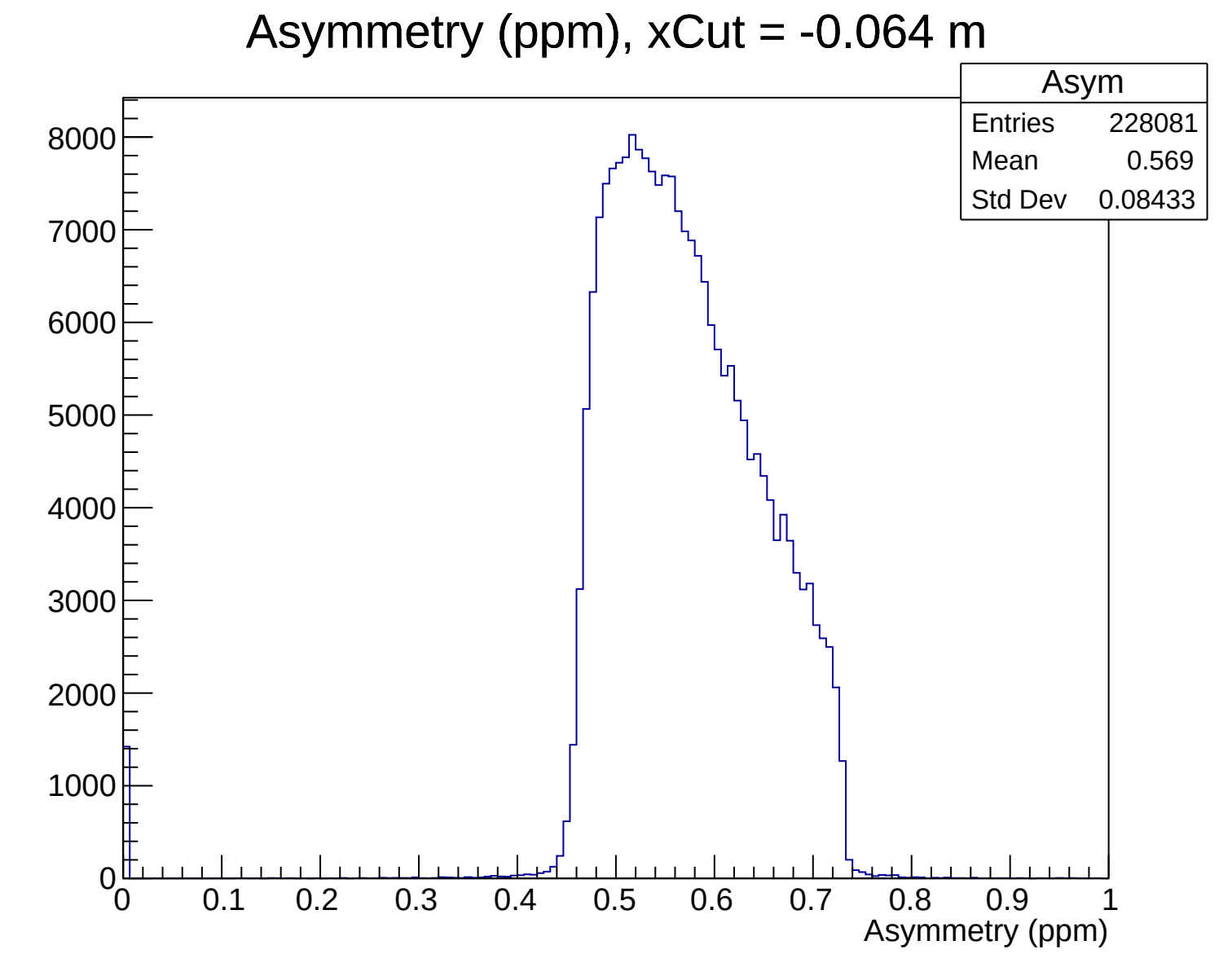

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

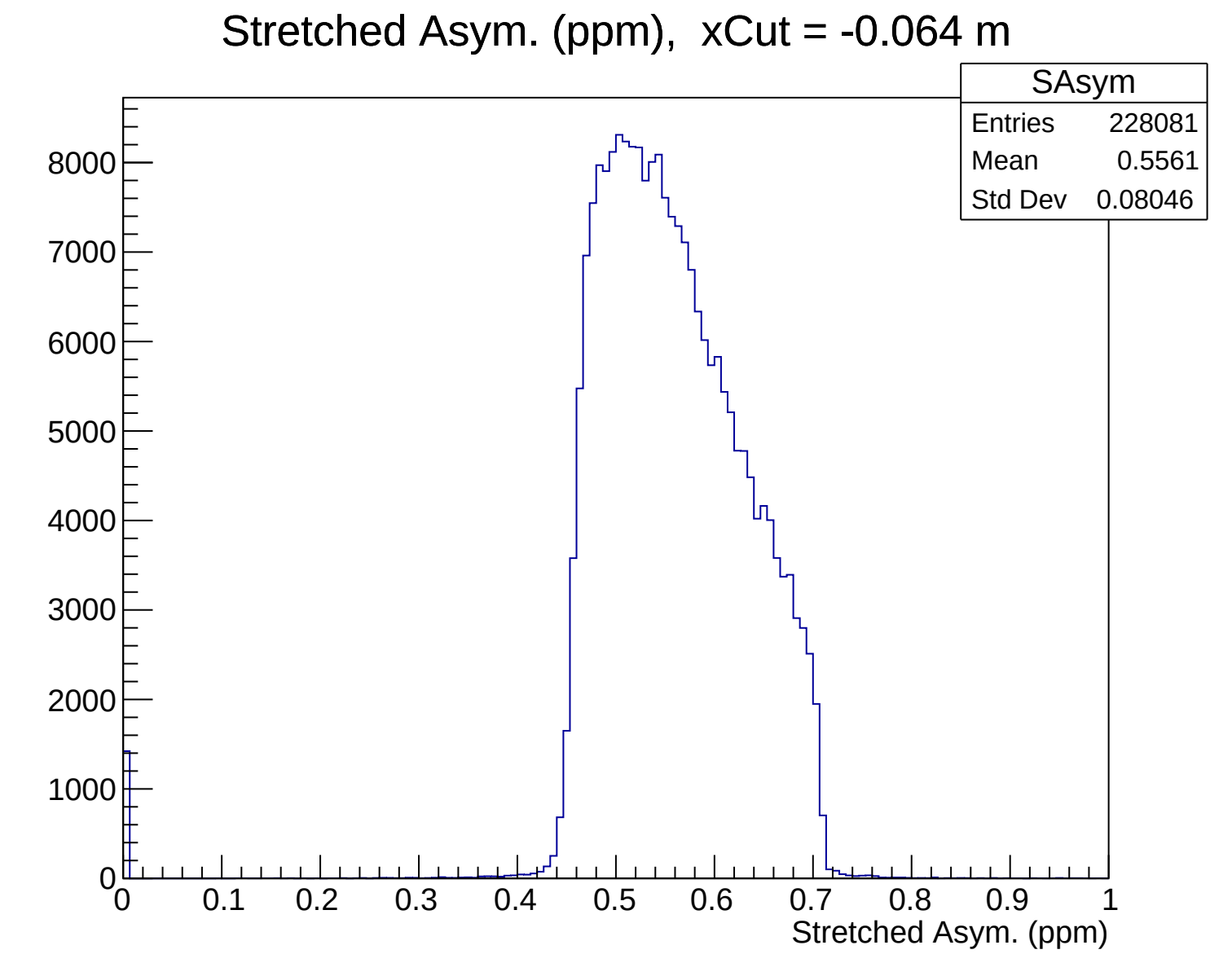

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

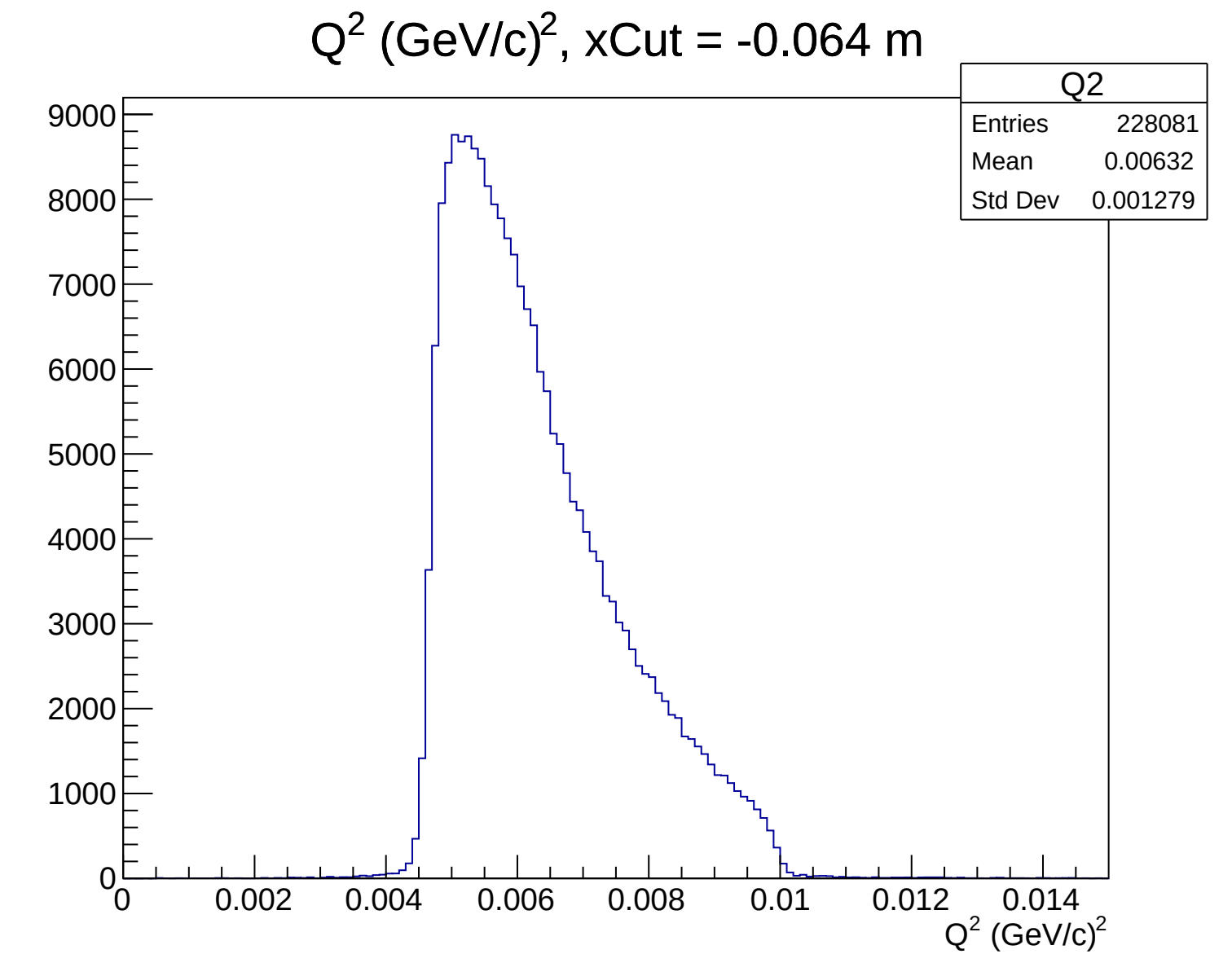

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

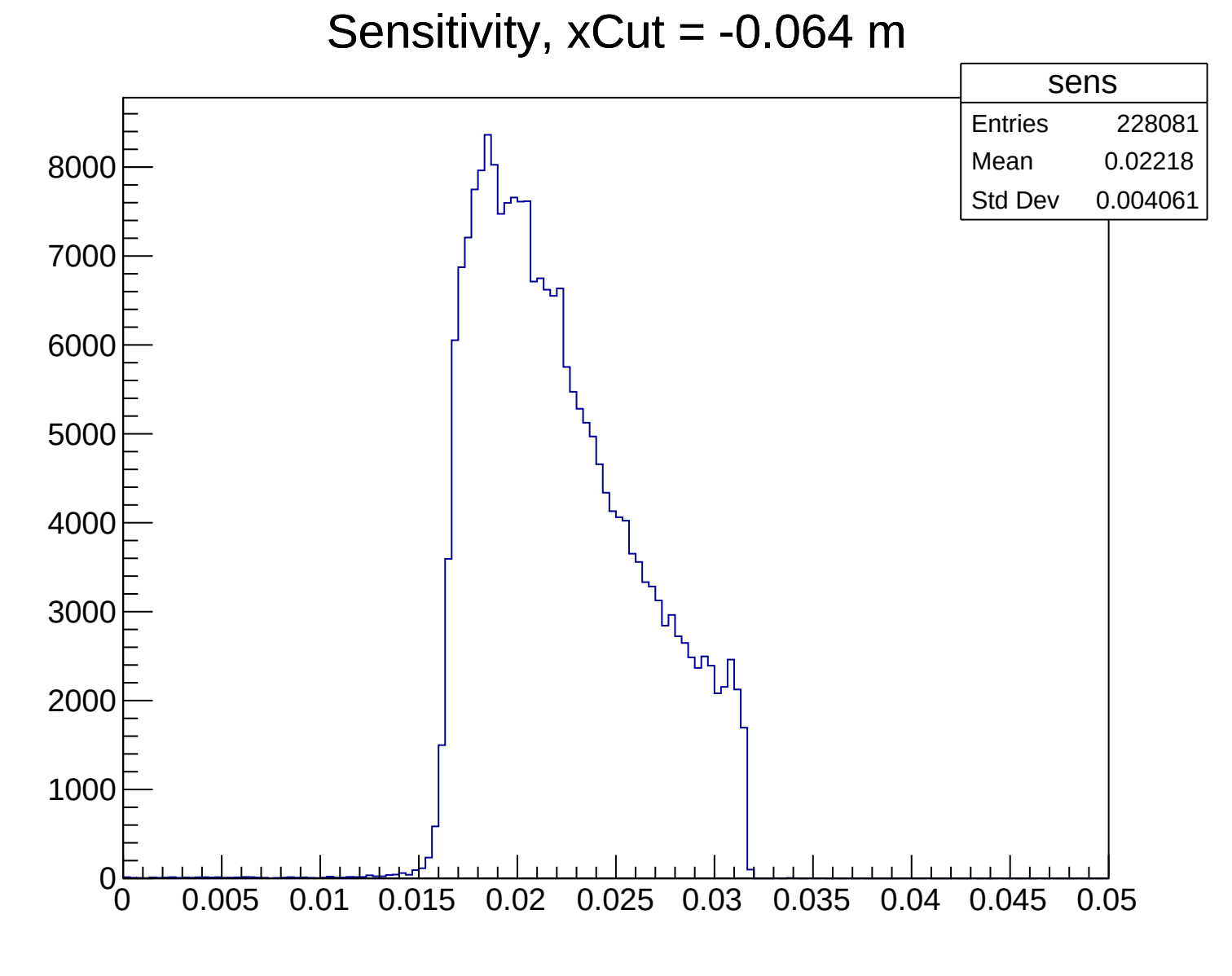

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

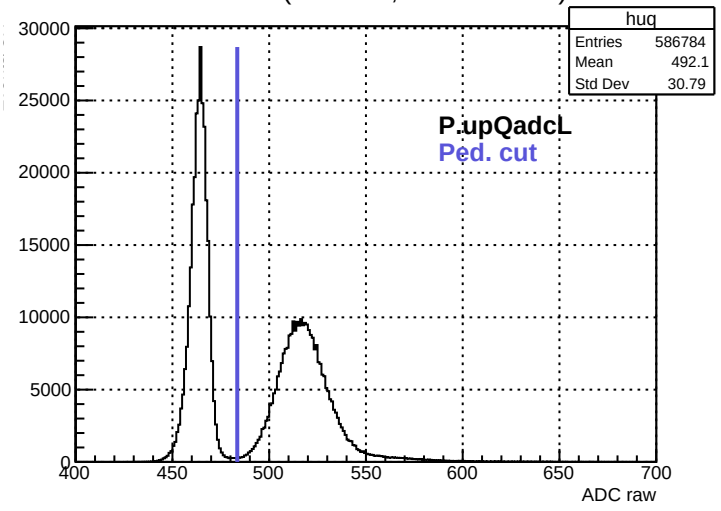

θlab (deg), xCut = -0.064 m
Theta
Entries 228081
Mean 4.783
Std Dev 0.474
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

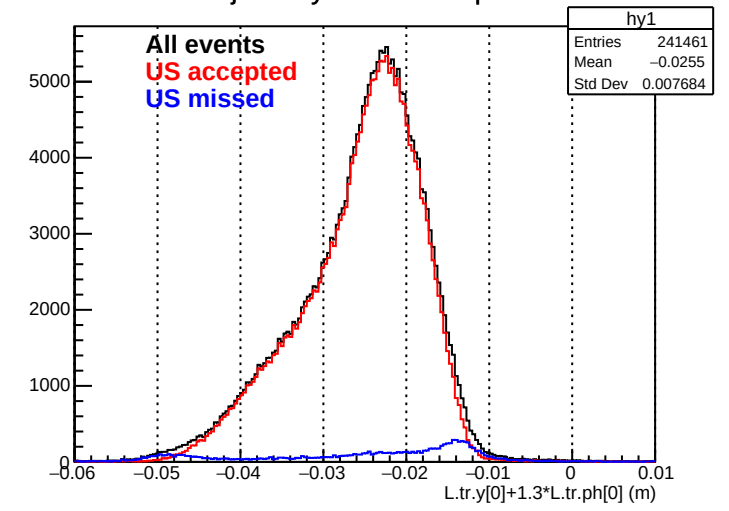

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 228081
Mean 0.569
Std Dev 0.08433
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

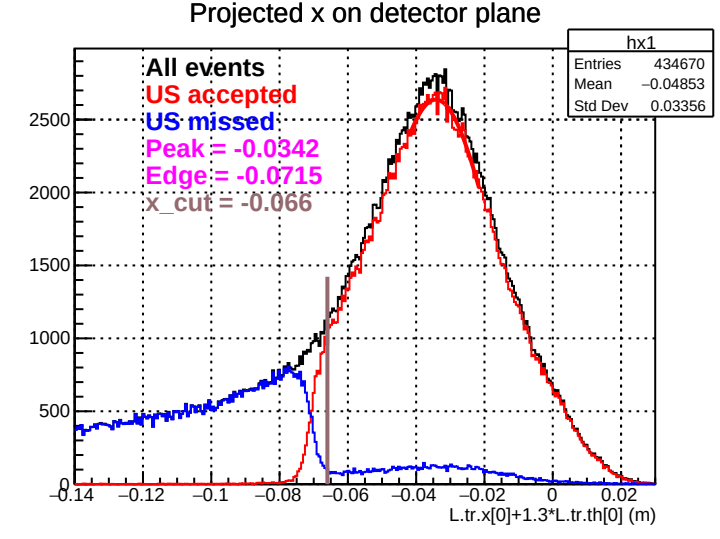

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 228081
Mean 0.5561
Std Dev 0.08046
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

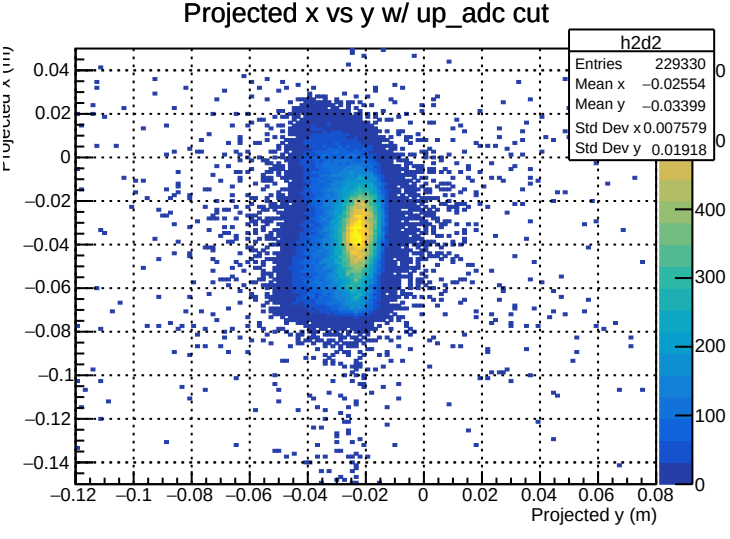

$Q^2$ (GeV/c)$^2$, xCut = -0.064 m
Q2
Entries 228081
Mean 0.00632
Std Dev 0.001279
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

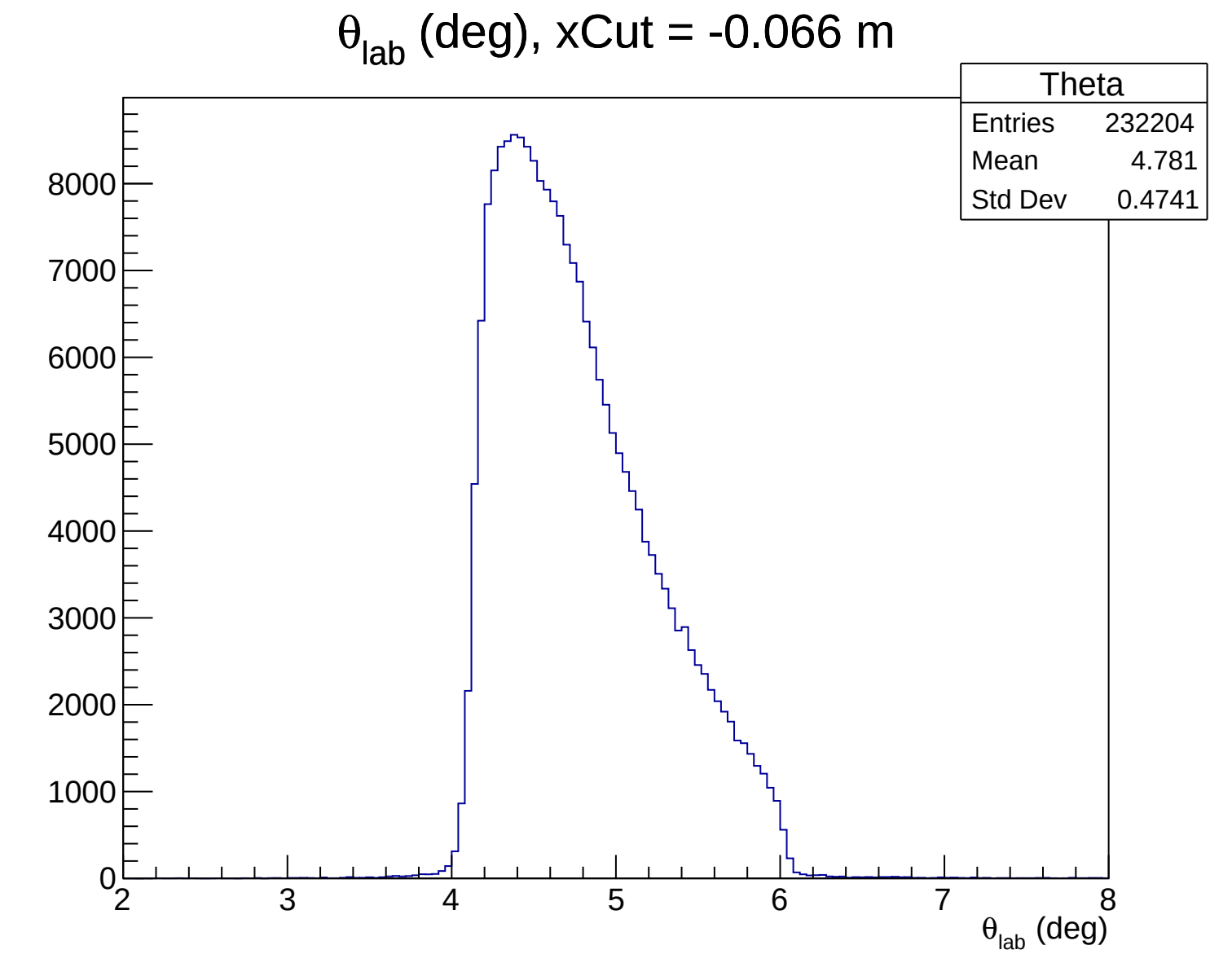

Sensitivity, xCut = -0.064 m
sens
Entries 228081
Mean 0.02218
Std Dev 0.004061
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

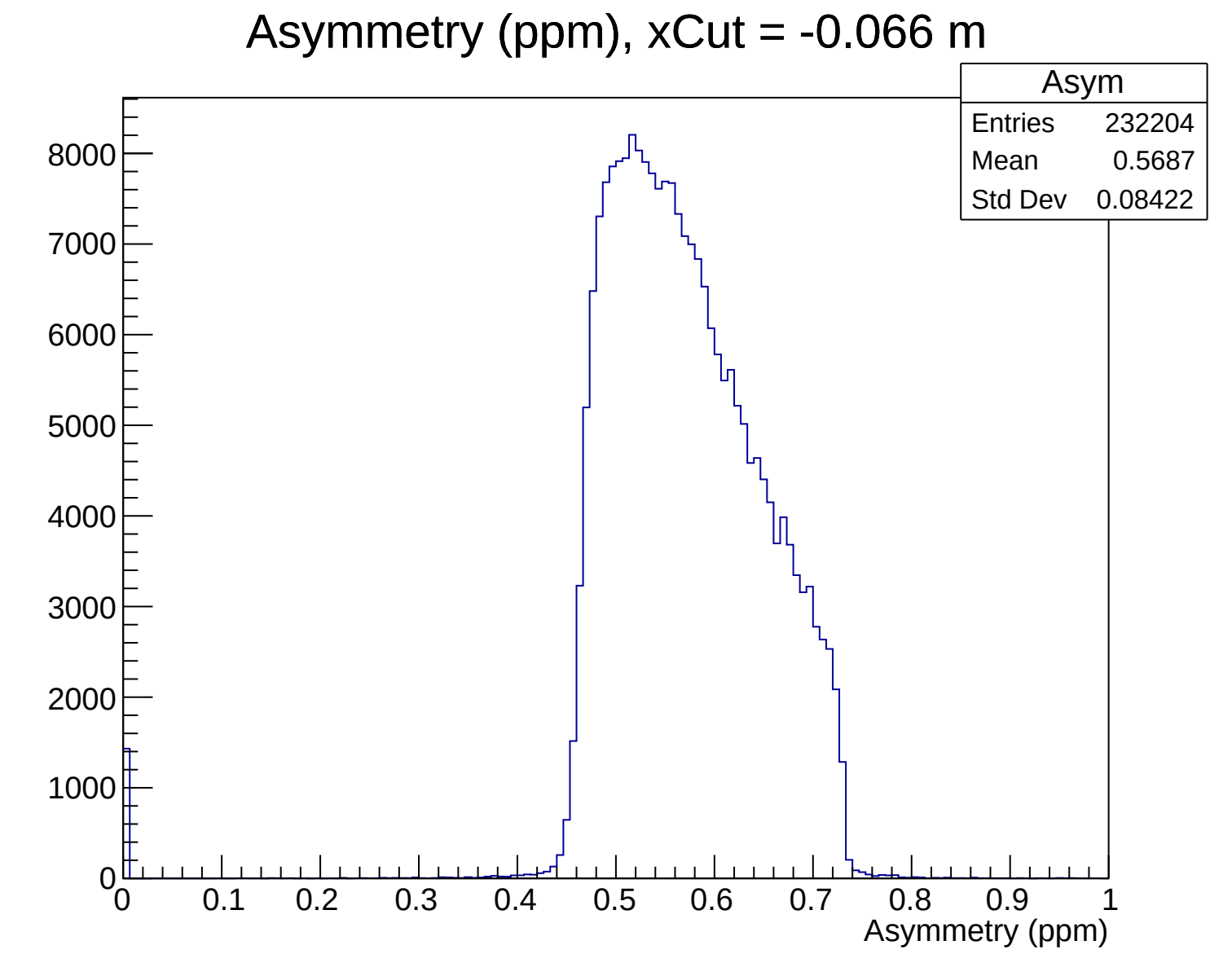

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

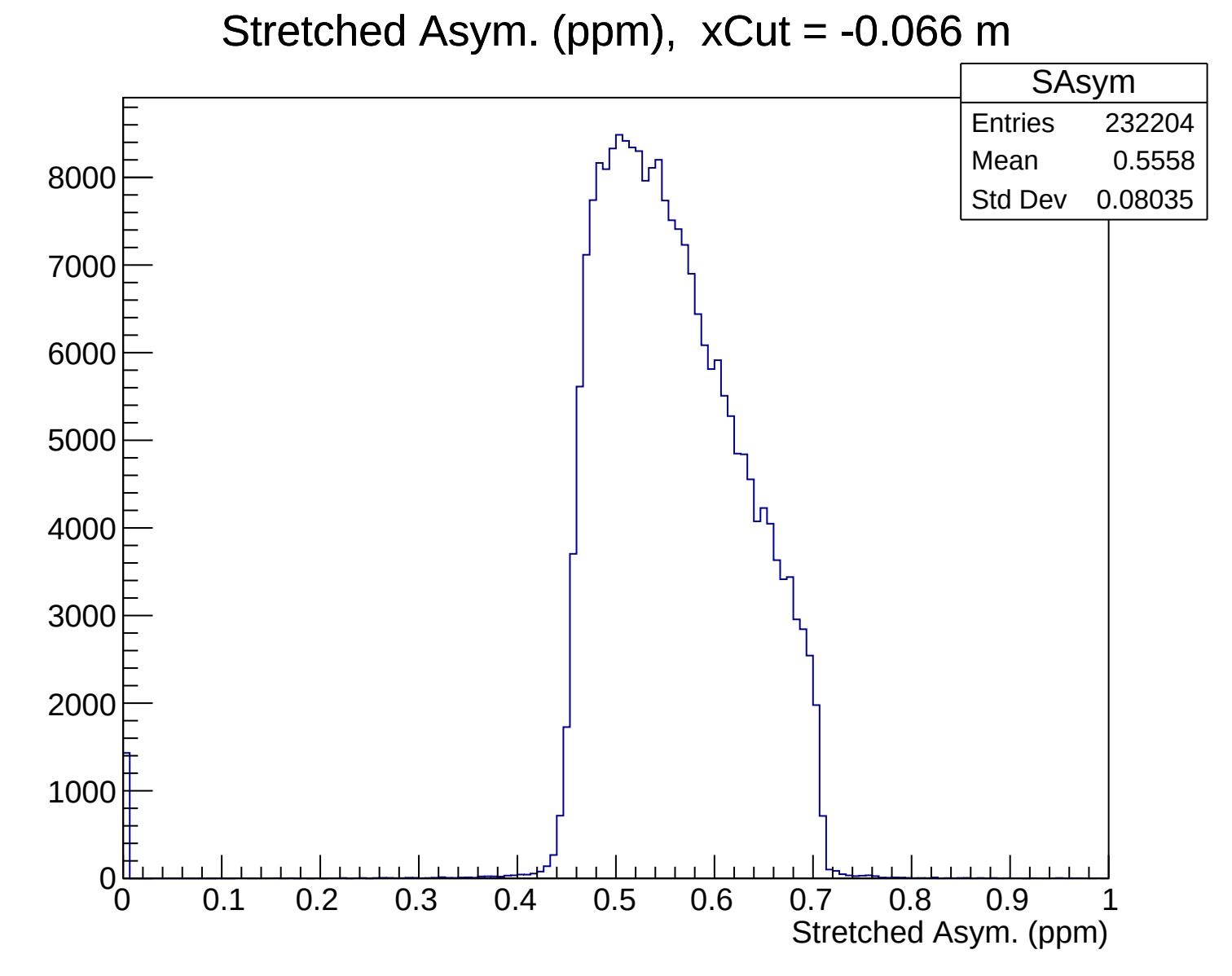

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

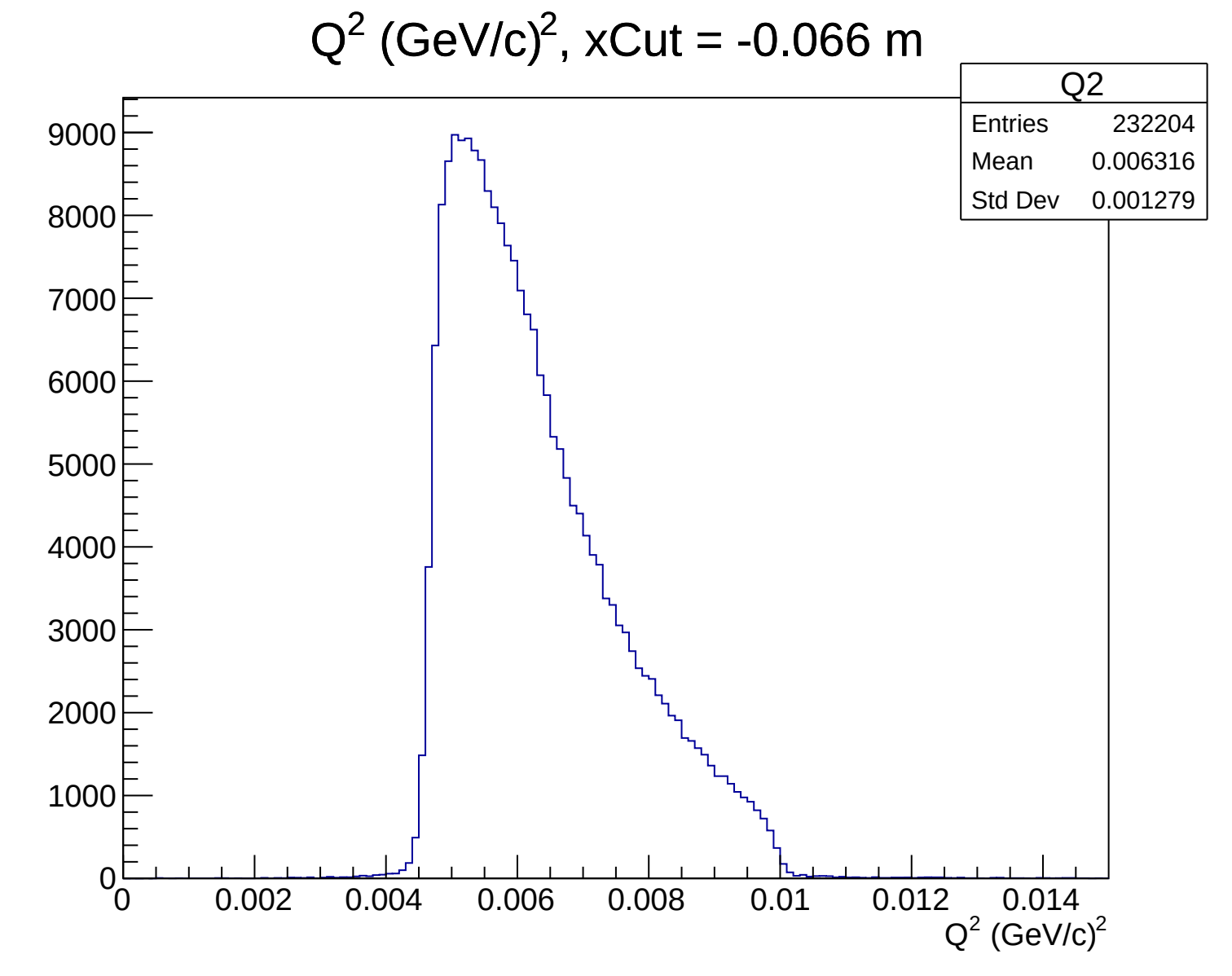

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.066
L.tr.x[0]+1.3*L.tr.th[0] (m)

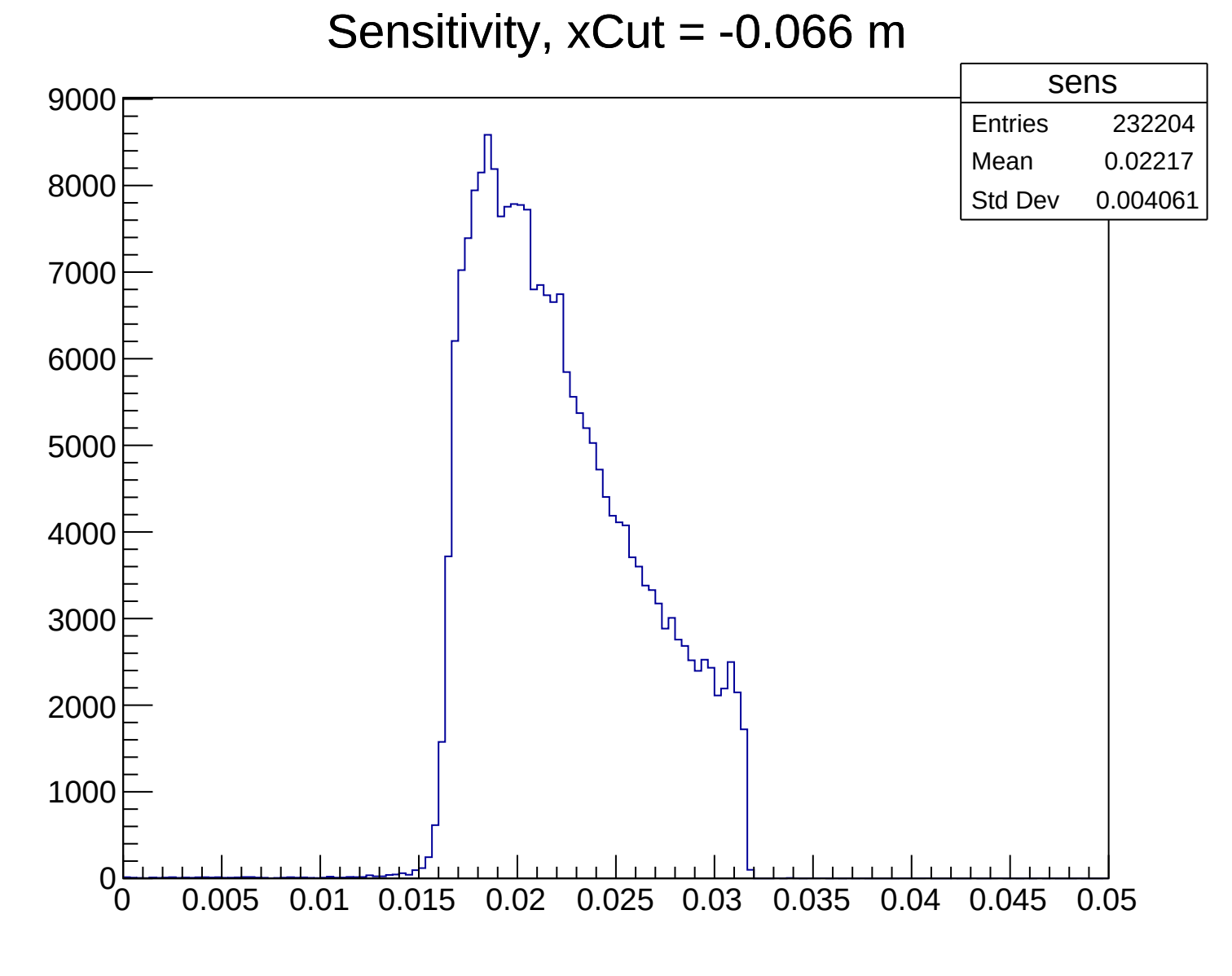

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

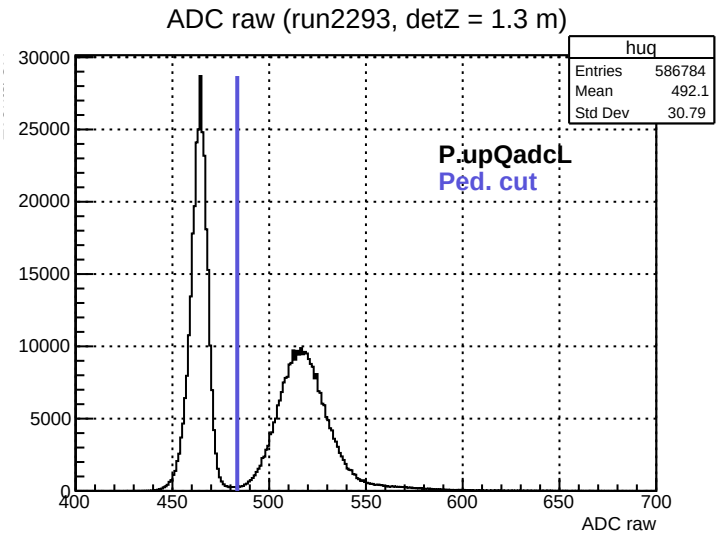

θlab (deg), xCut = -0.066 m
Theta
Entries 232204
Mean 4.781
Std Dev 0.4741
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

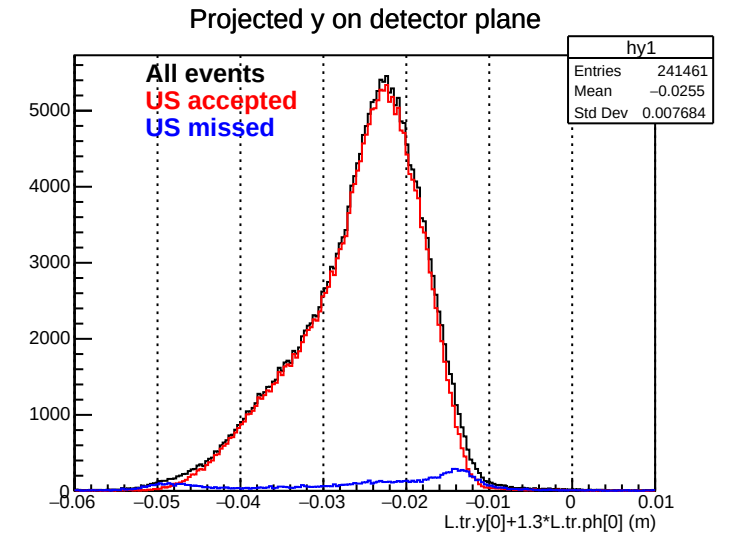

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 232204
Mean 0.5687
Std Dev 0.08422
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

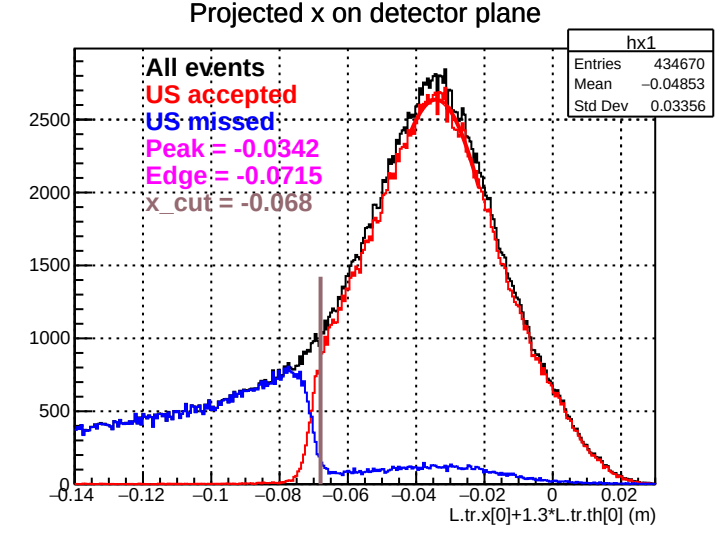

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 232204
Mean 0.5558
Std Dev 0.08035
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

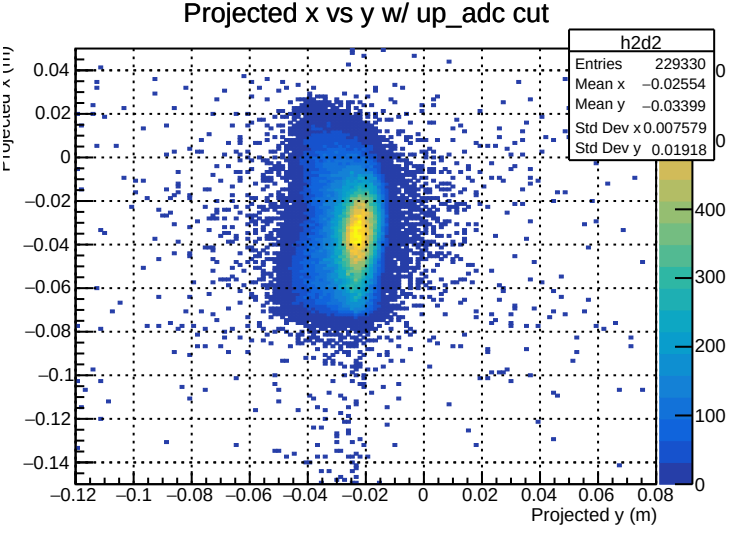

$Q^2$ (GeV/c)$^2$, xCut = -0.066 m
Q2
Entries 232204
Mean 0.006316
Std Dev 0.001279
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

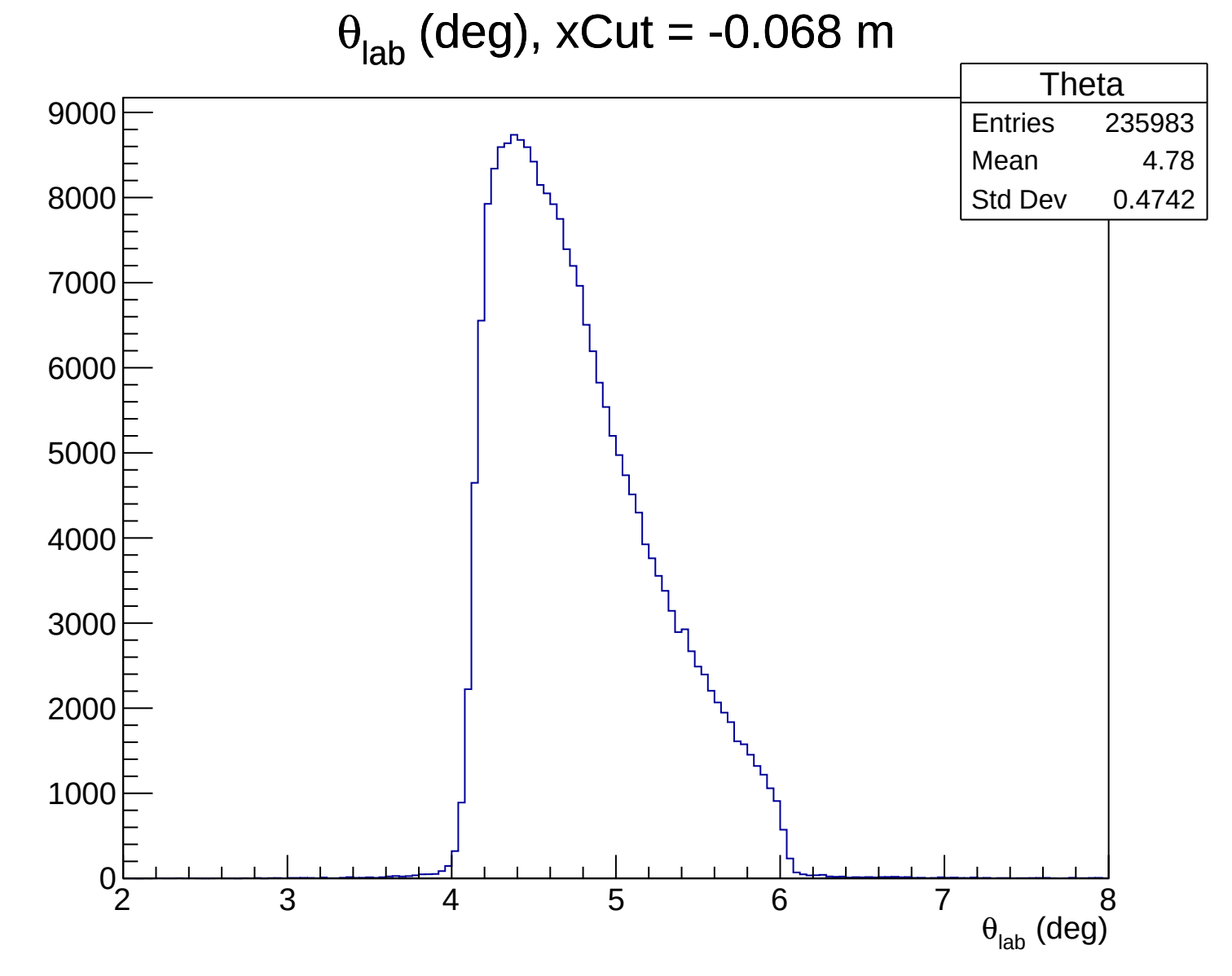

Sensitivity, xCut = -0.066 m
sens
Entries 232204
Mean 0.02217
Std Dev 0.004061
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

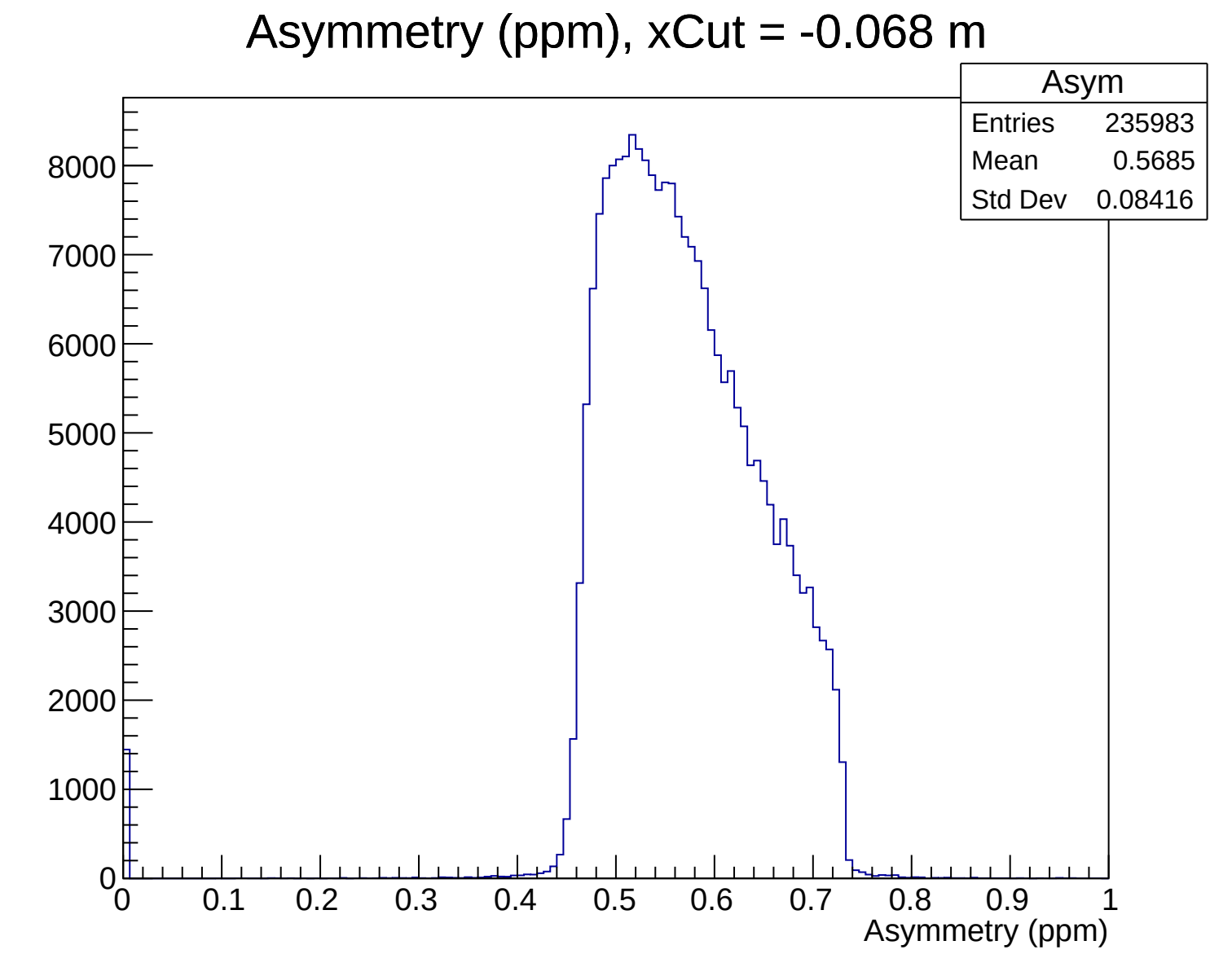

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

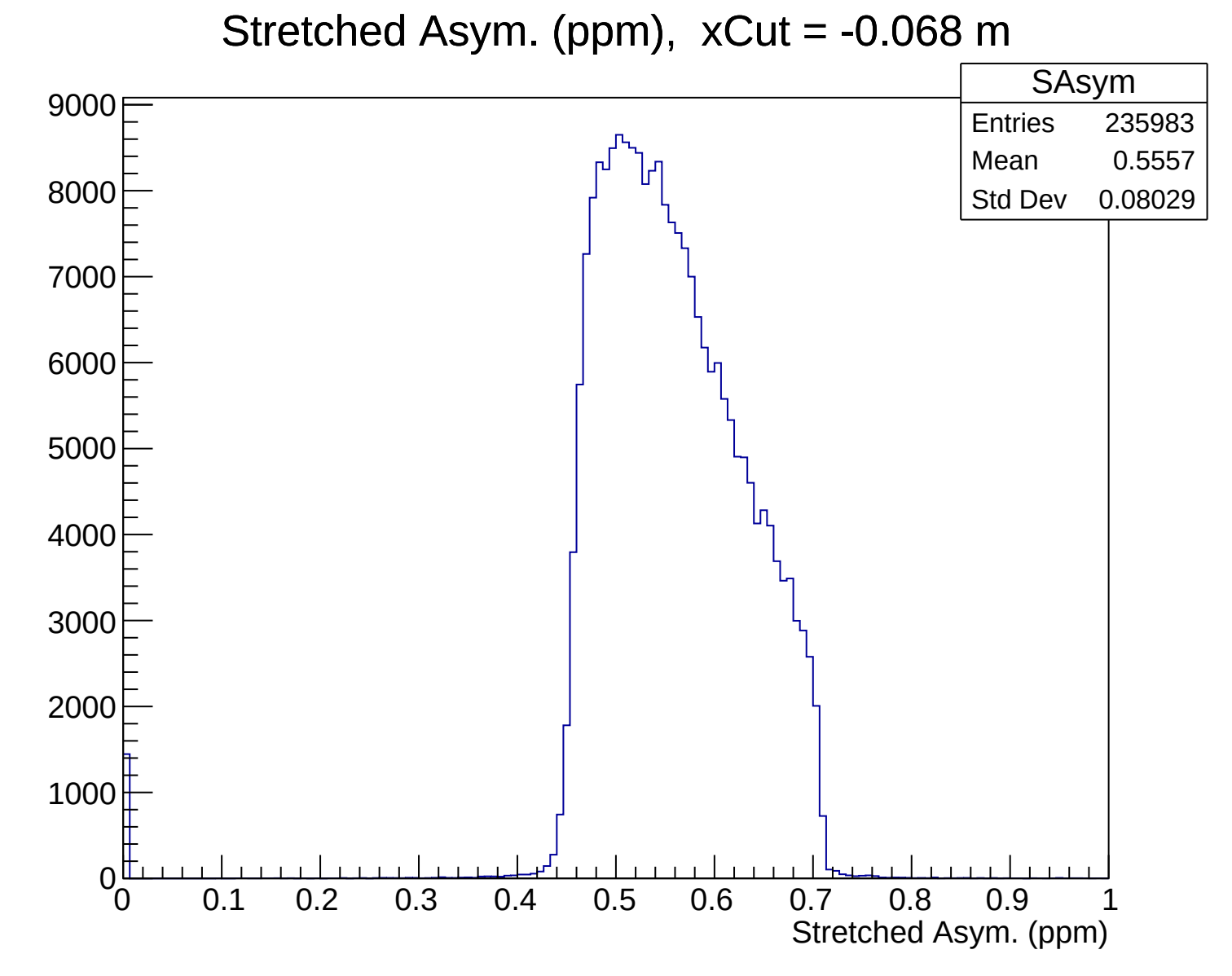

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

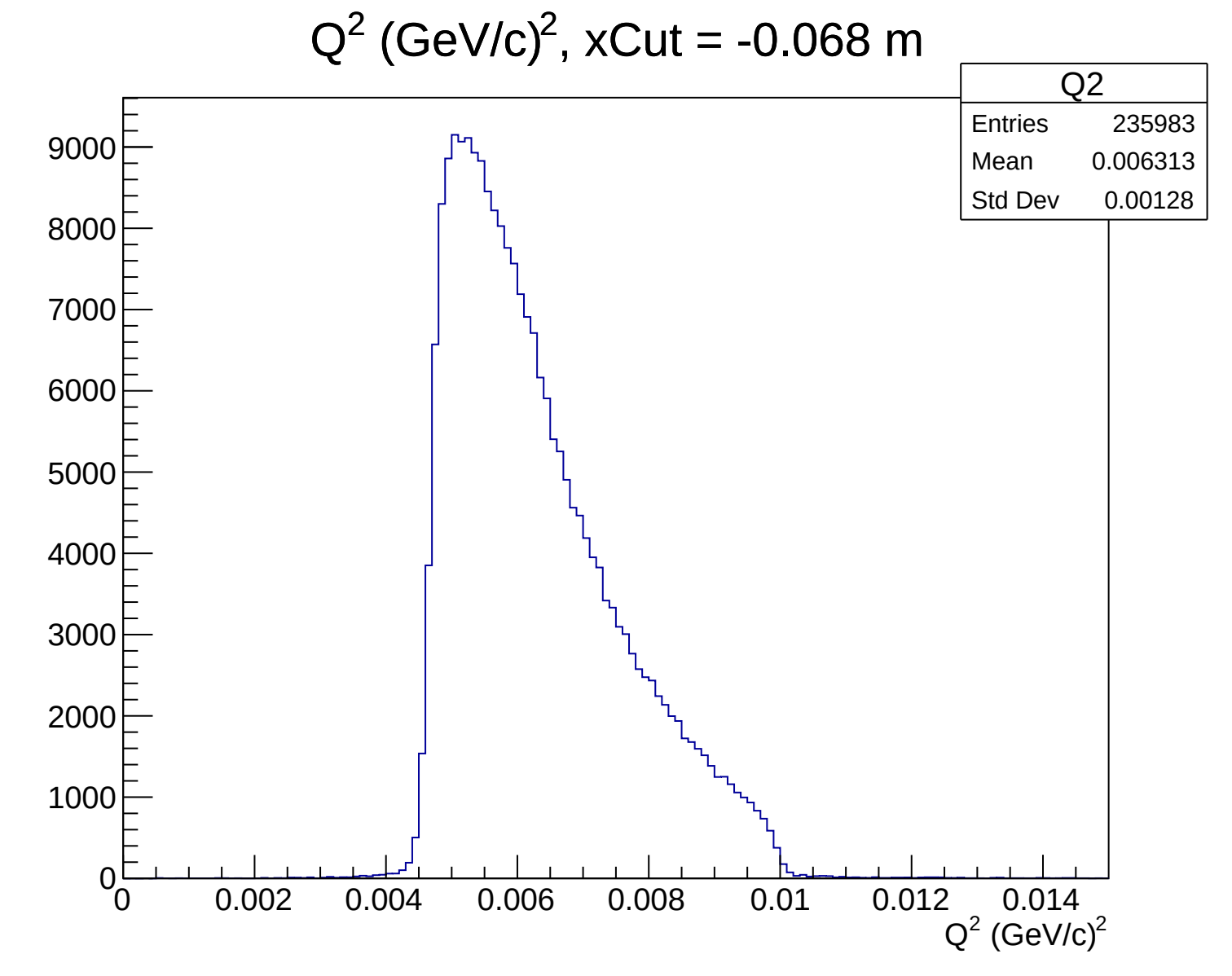

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

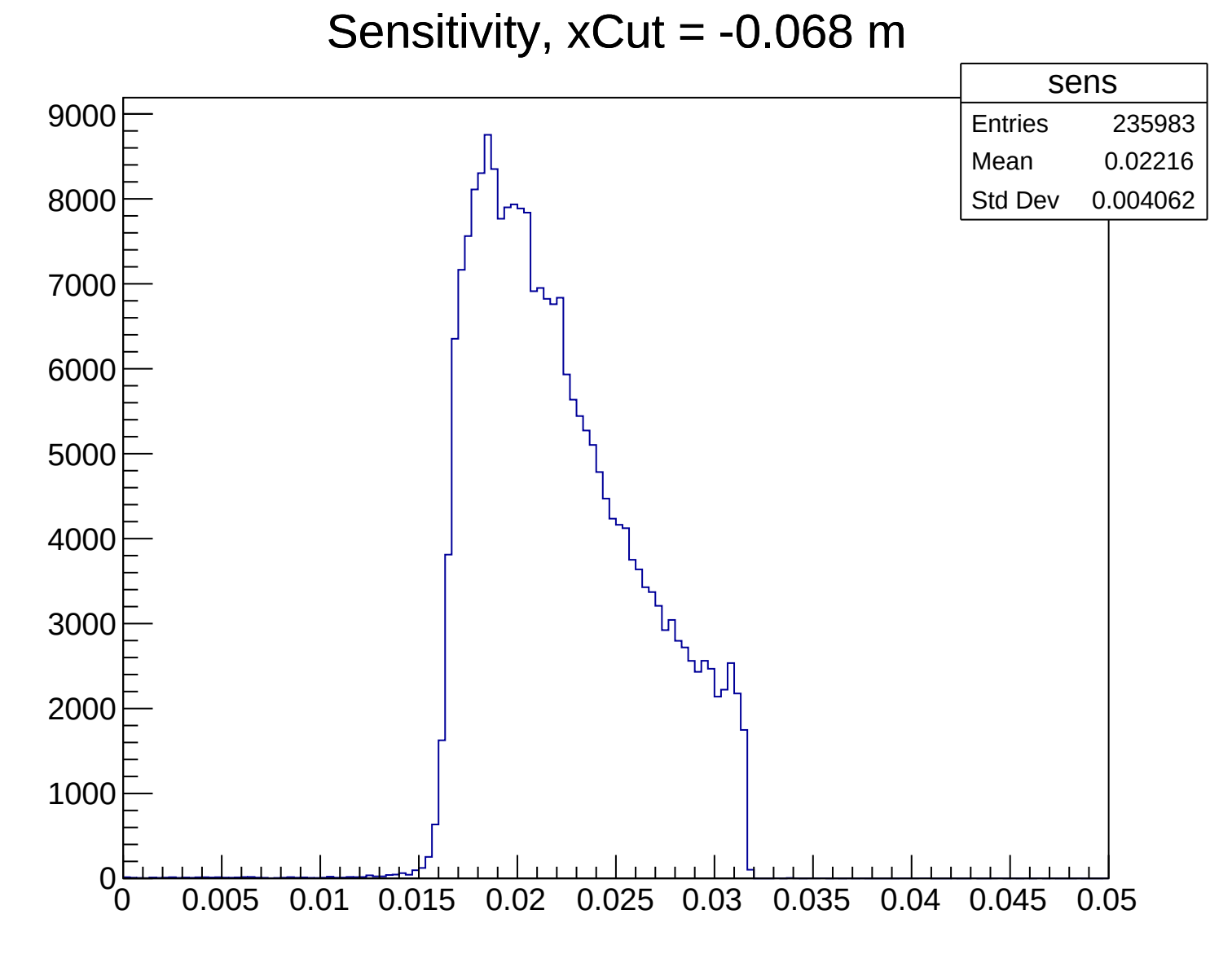

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

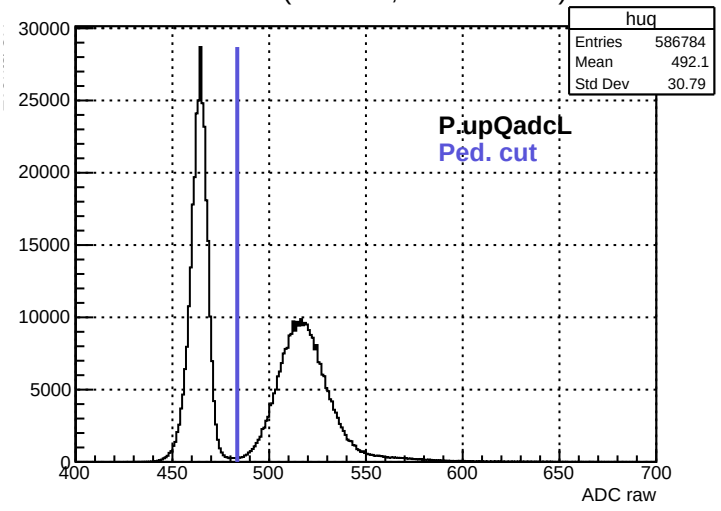

θlab (deg), xCut = -0.068 m
Theta
Entries 235983
Mean 4.78
Std Dev 0.4742
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

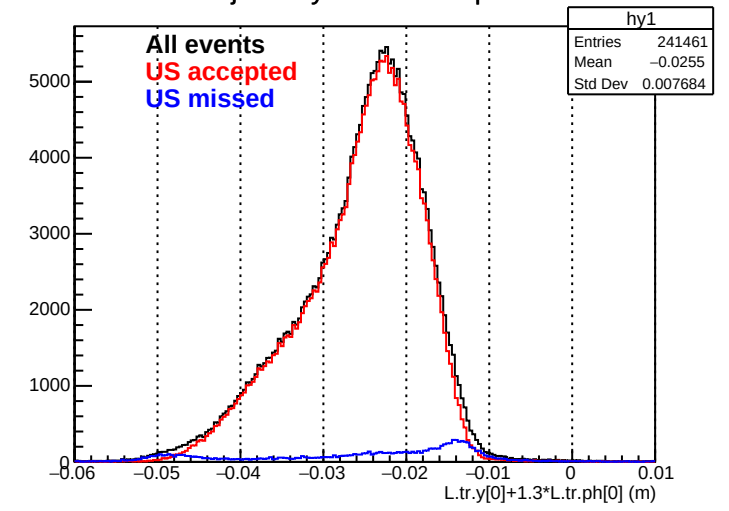

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 235983
Mean 0.5685
Std Dev 0.08416
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

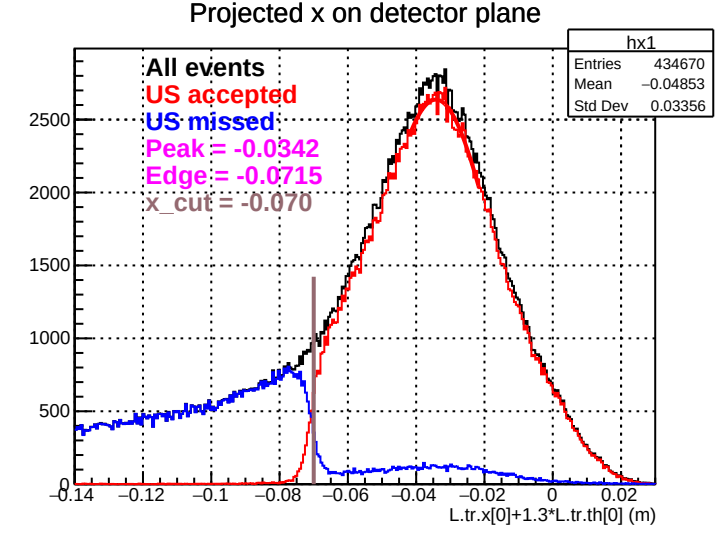

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 235983
Mean 0.5557
Std Dev 0.08029
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

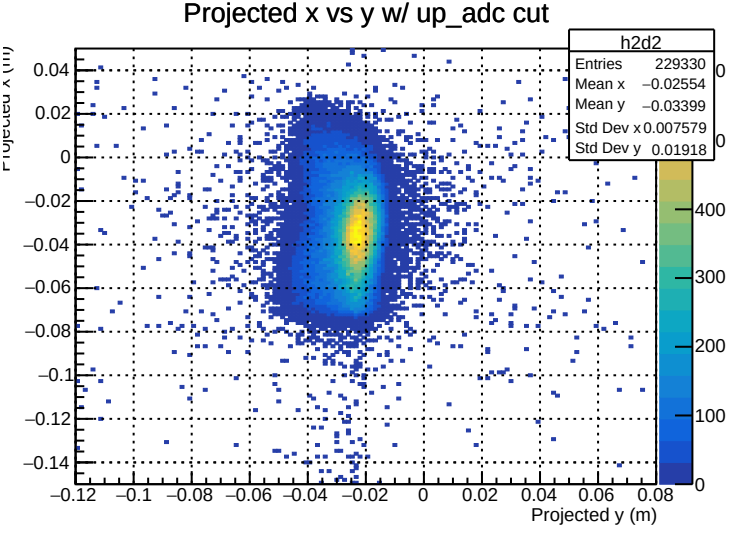

$Q^2$ (GeV/c)$^2$, xCut = -0.068 m
Q2
Entries 235983
Mean 0.006313
Std Dev 0.00128
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

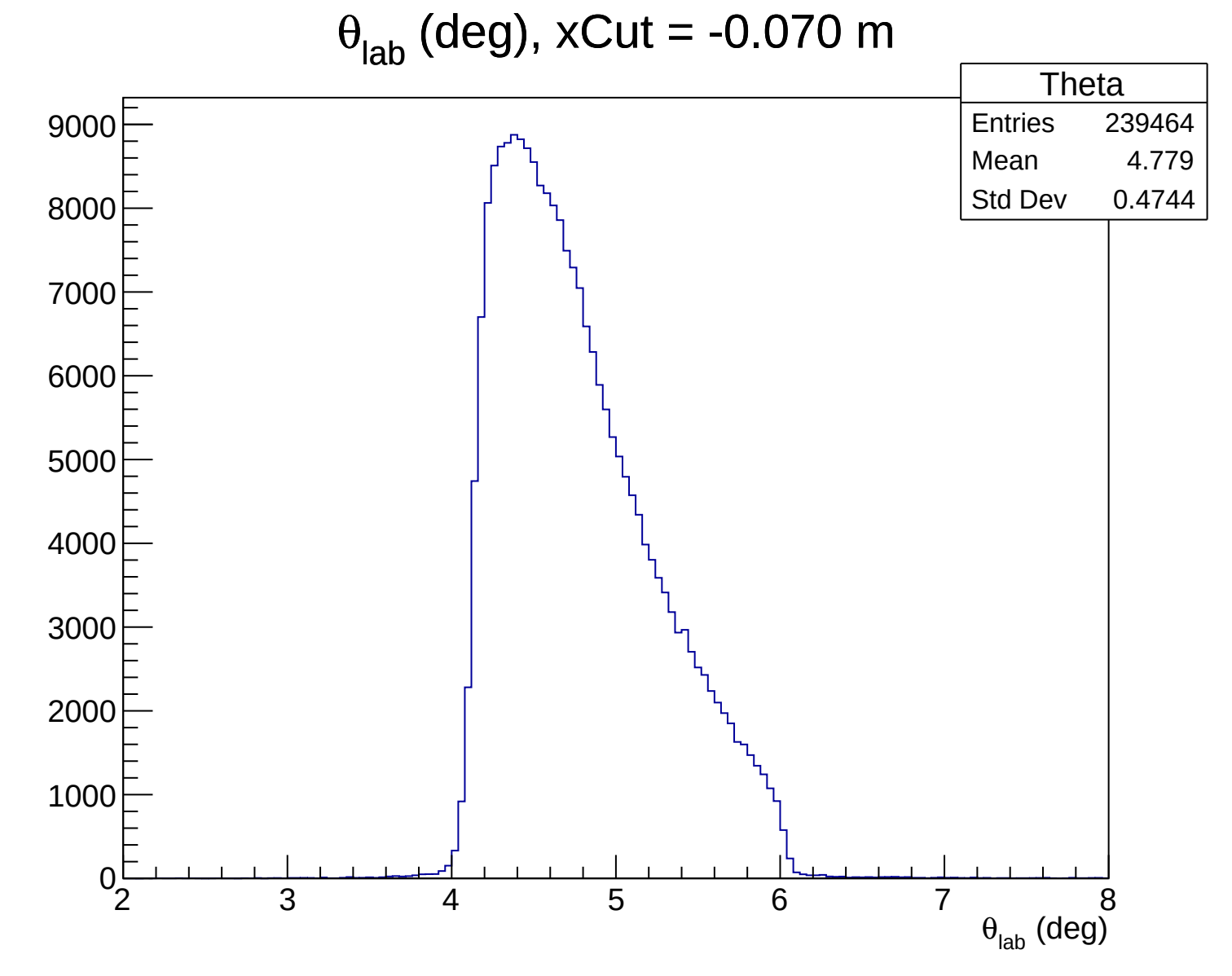

Sensitivity, xCut = -0.068 m
sens
Entries 235983
Mean 0.02216
Std Dev 0.004062
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

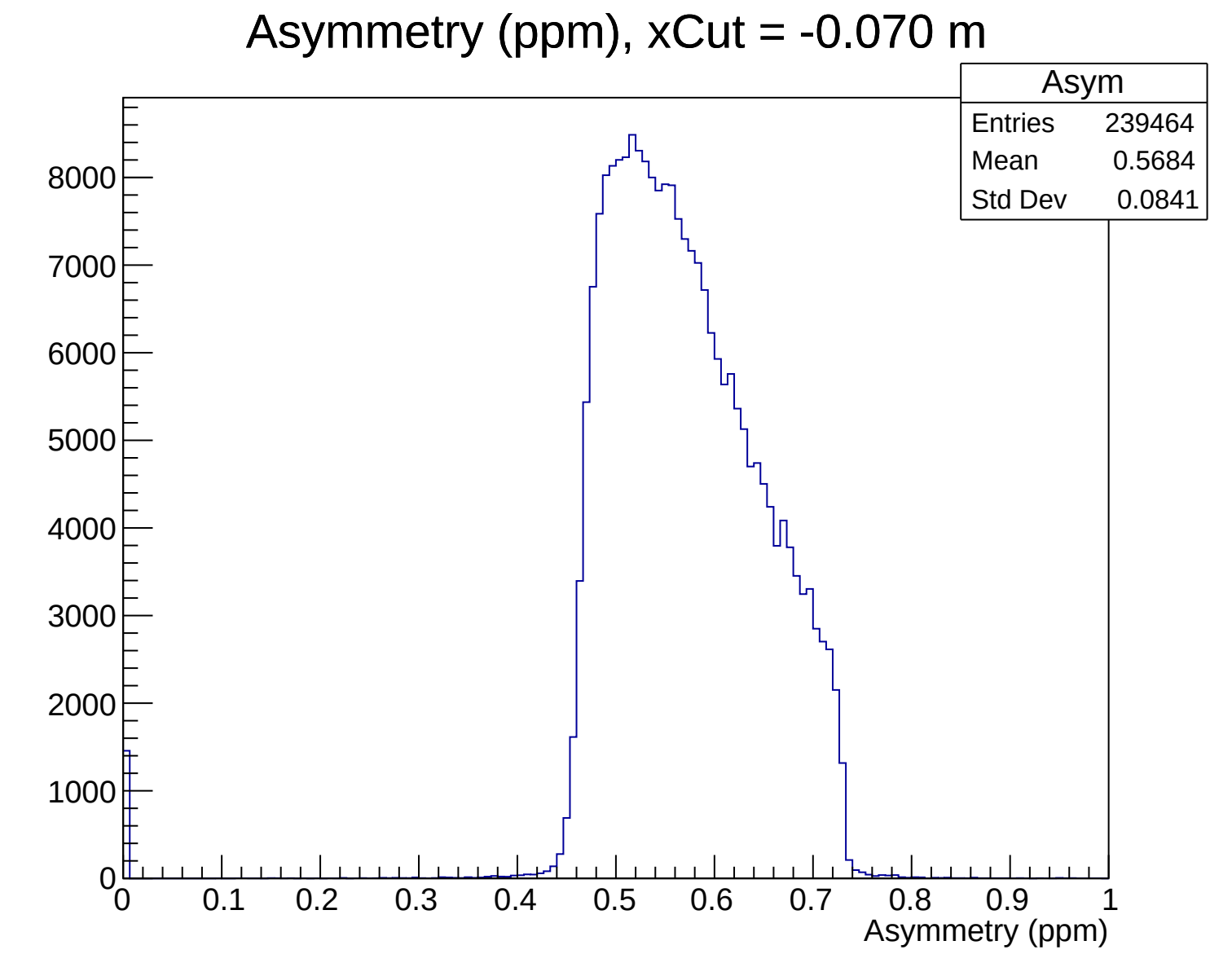

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

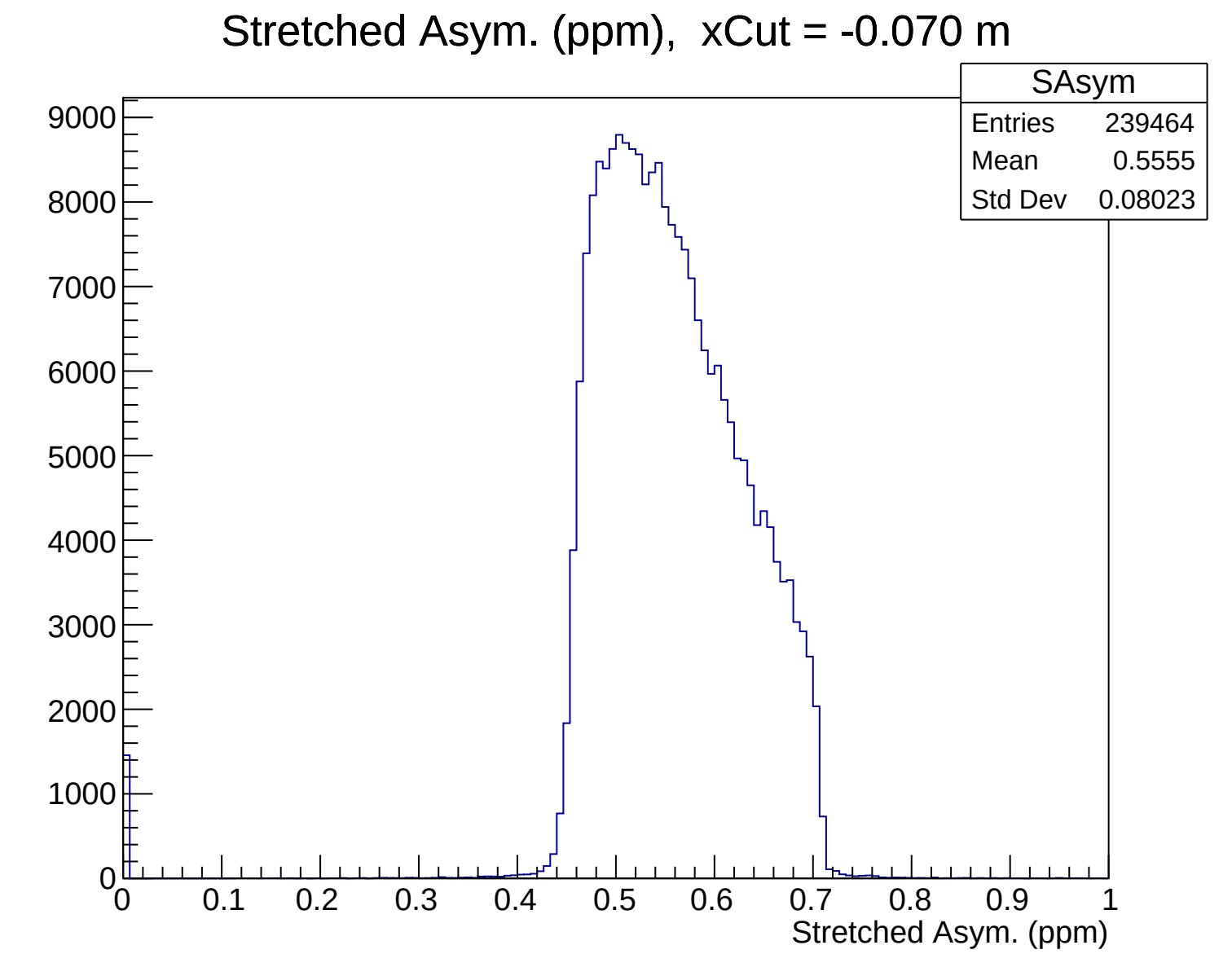

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

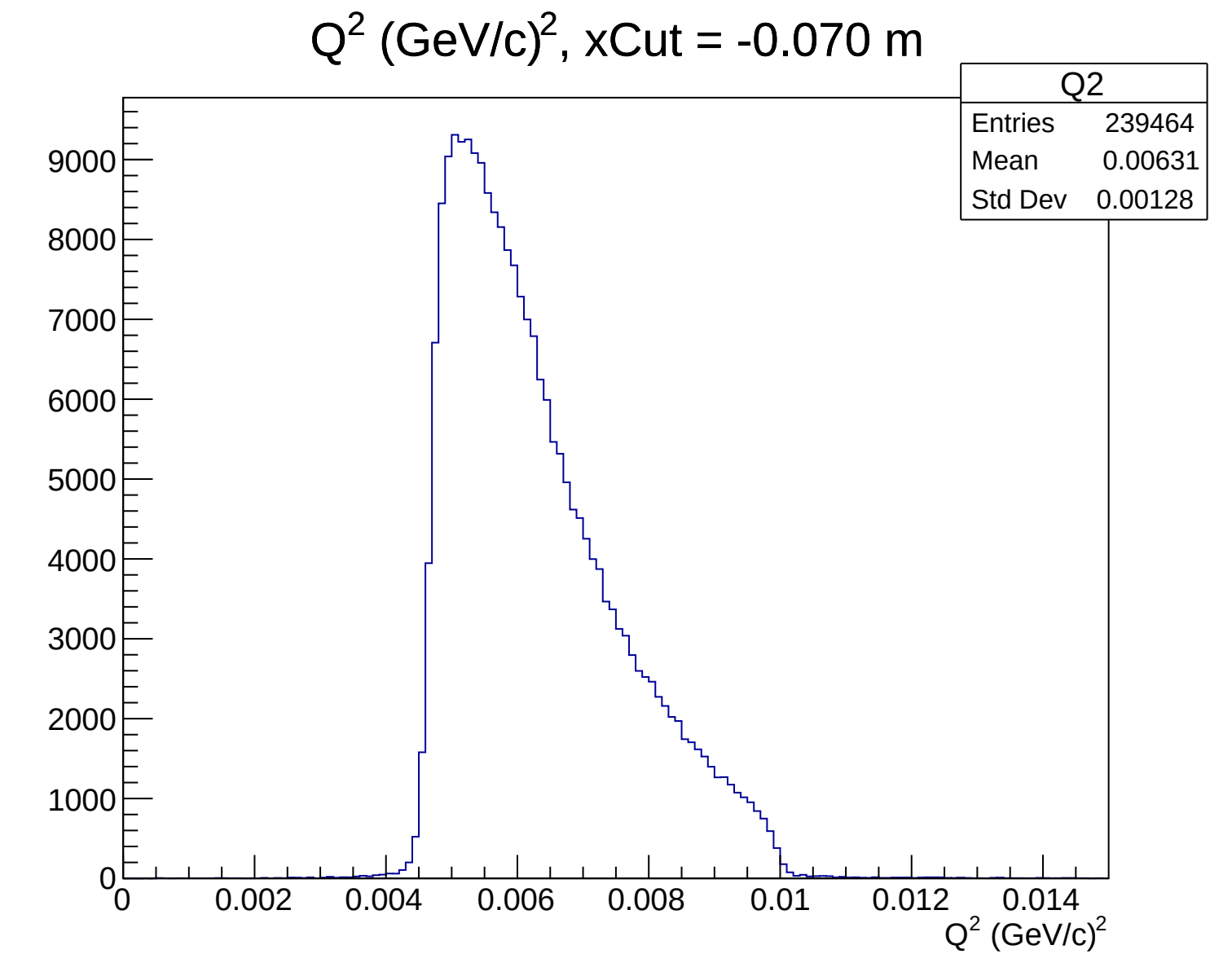

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

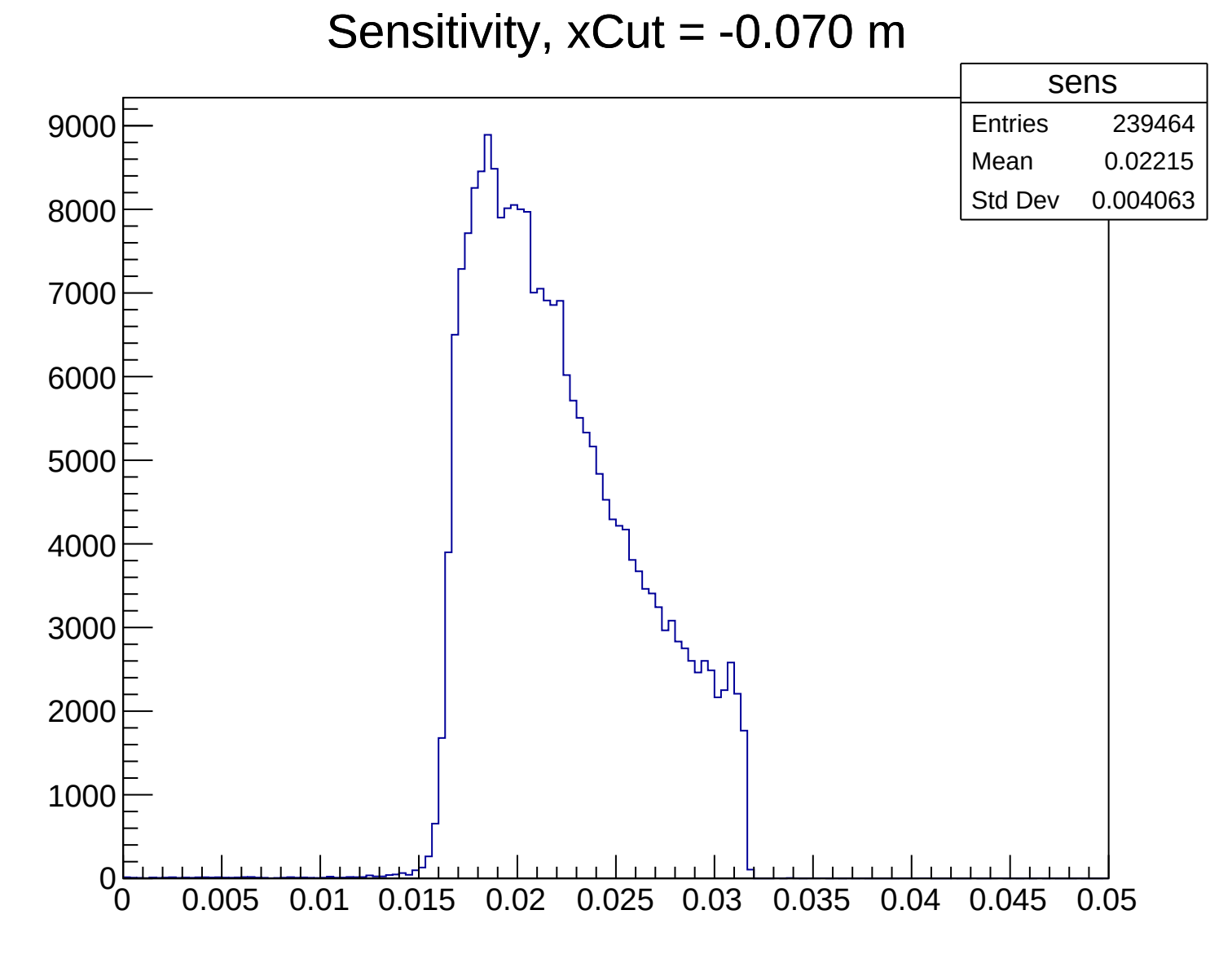

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

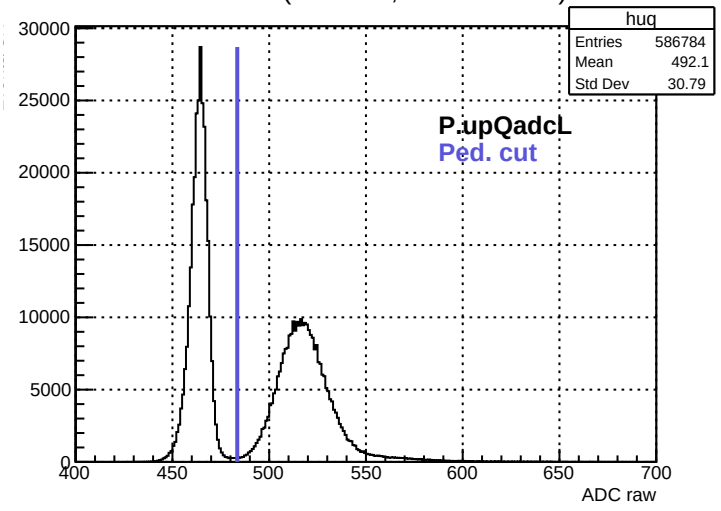

θlab (deg), xCut = -0.070 m
Theta
Entries 239464
Mean 4.779
Std Dev 0.4744
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

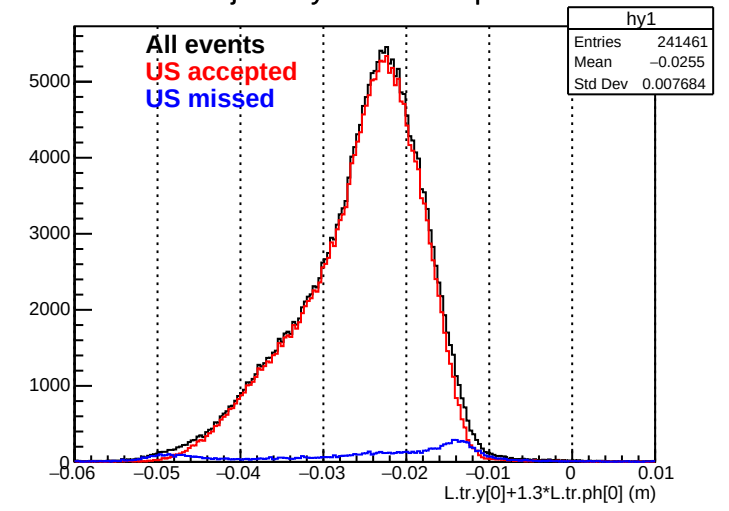

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 239464
Mean 0.5684
Std Dev 0.0841
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

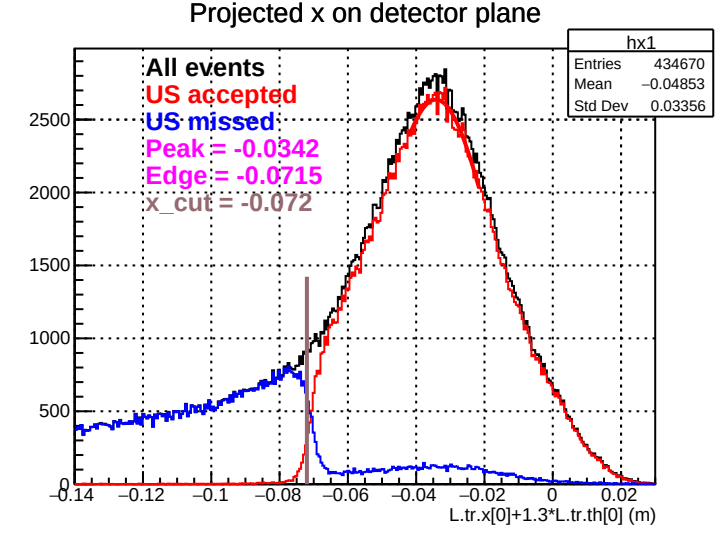

Stretched Asym. (ppm),  xCut = -0.070 m
SAsym
Entries 239464
Mean 0.5555
Std Dev 0.08023
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

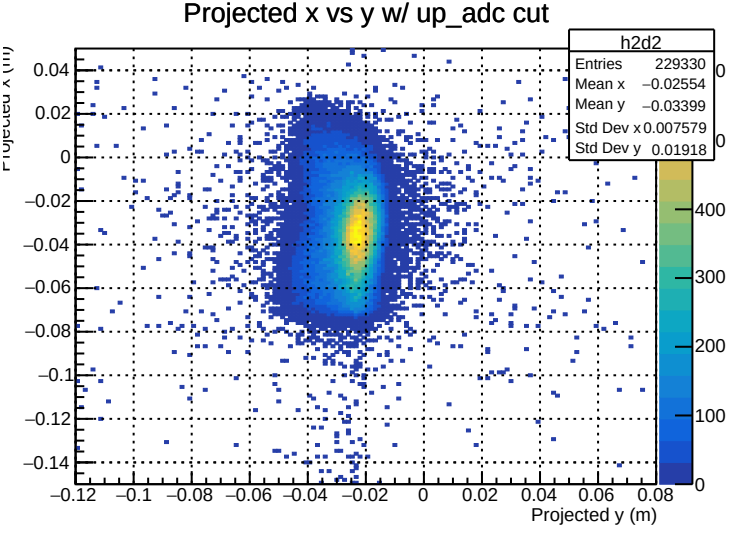

$Q^2$ (GeV/c)$^2$, xCut = -0.070 m
Q2
Entries 239464
Mean 0.00631
Std Dev 0.00128
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

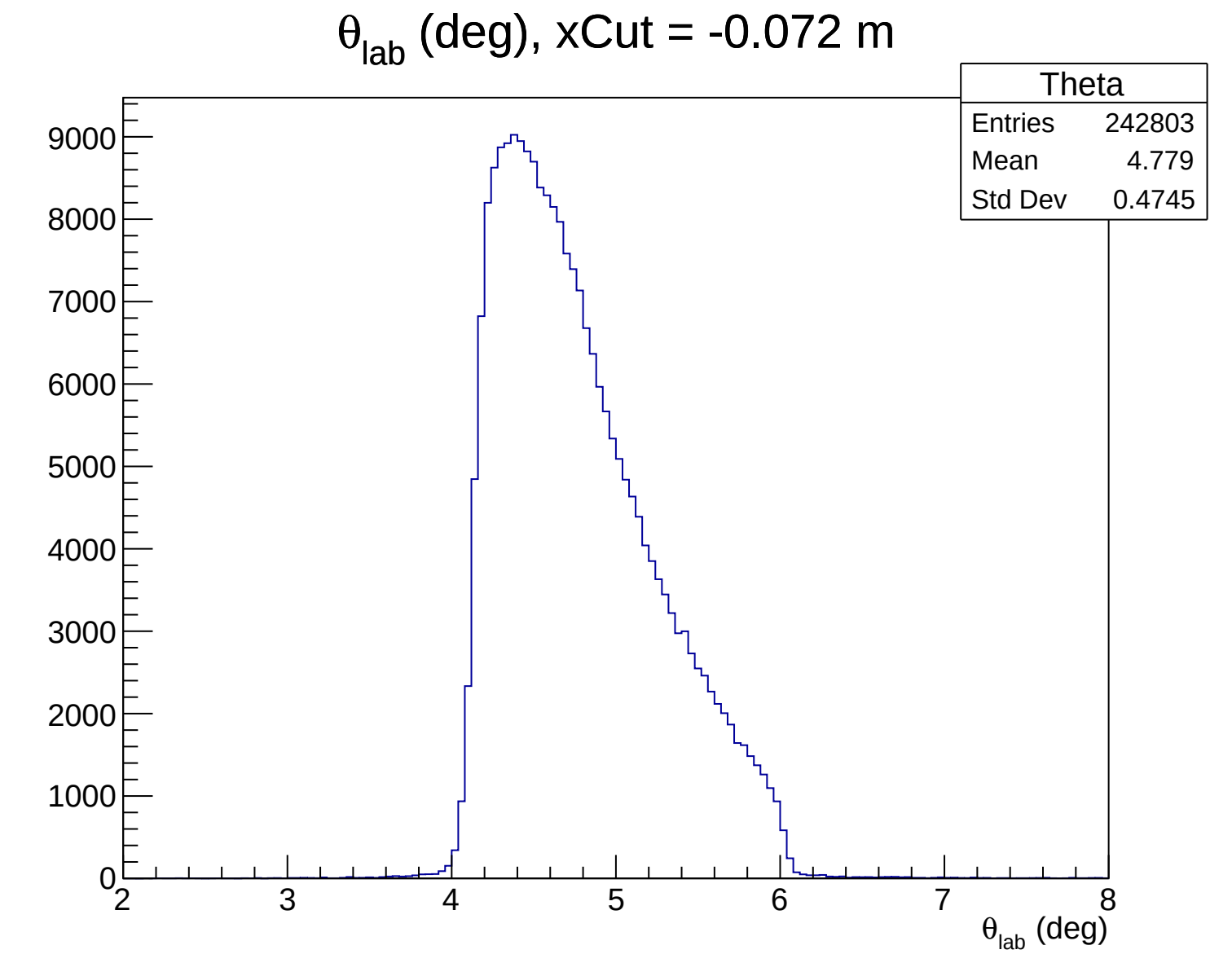

Sensitivity, xCut = -0.070 m
sens
Entries 239464
Mean 0.02215
Std Dev 0.004063
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

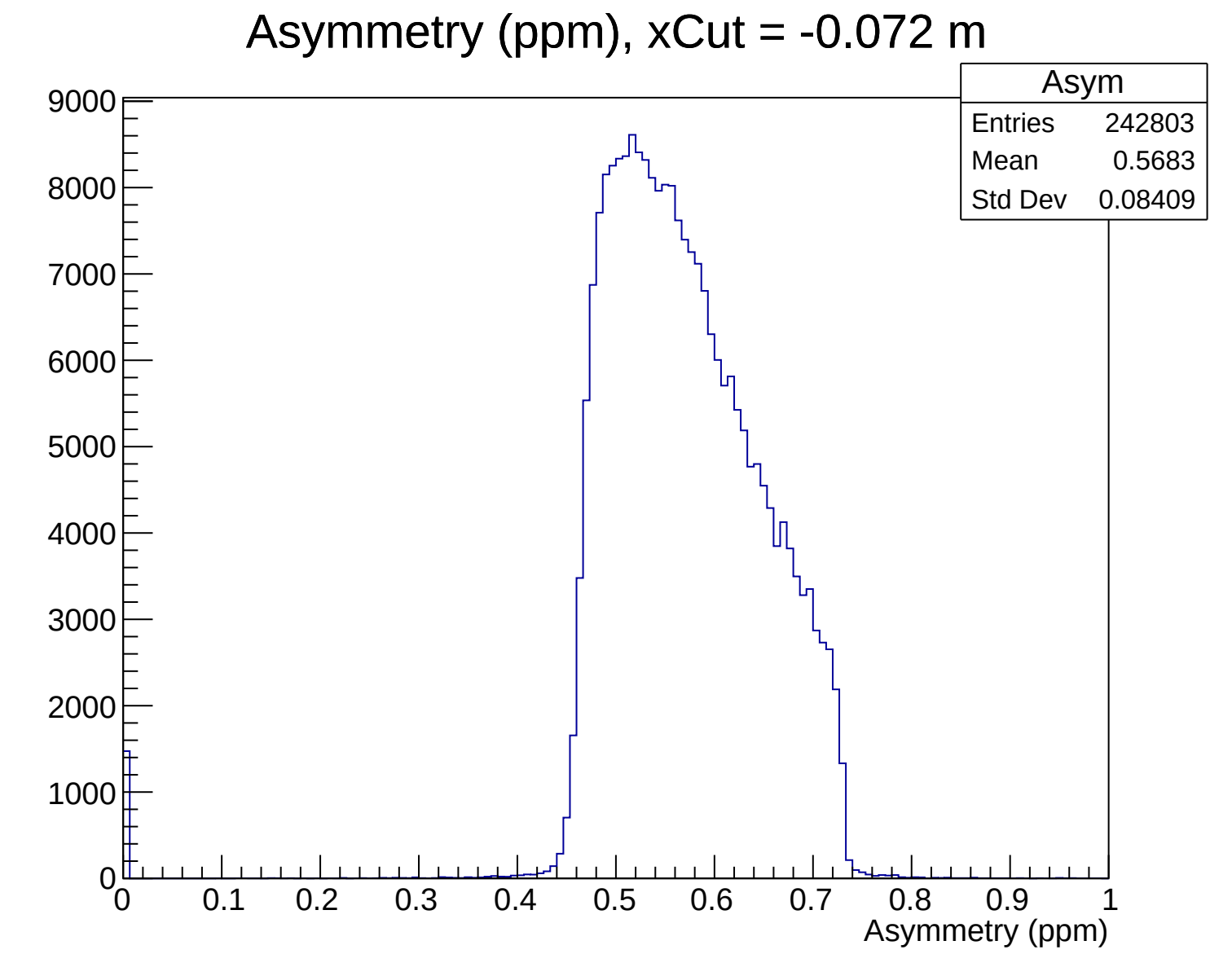

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

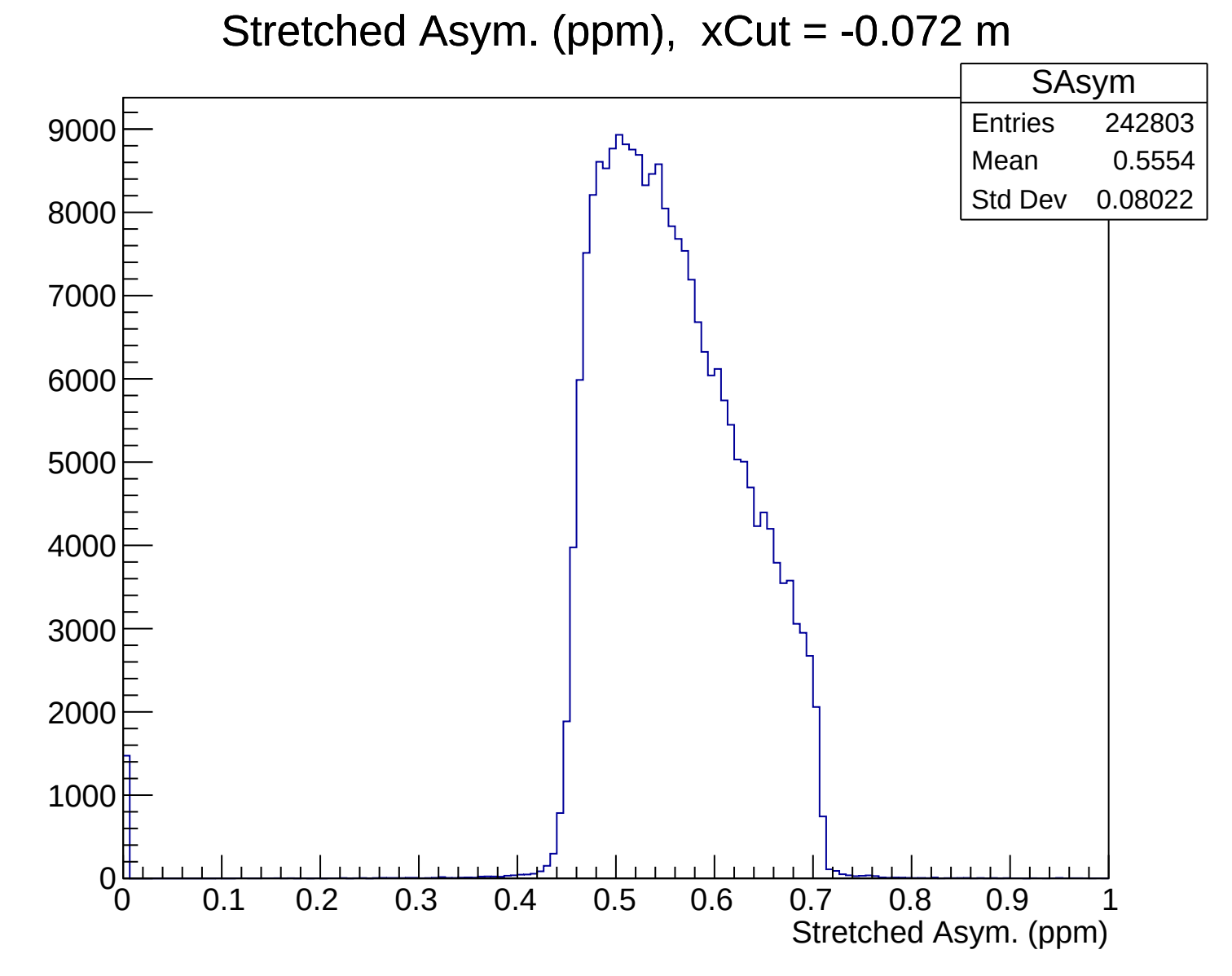

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

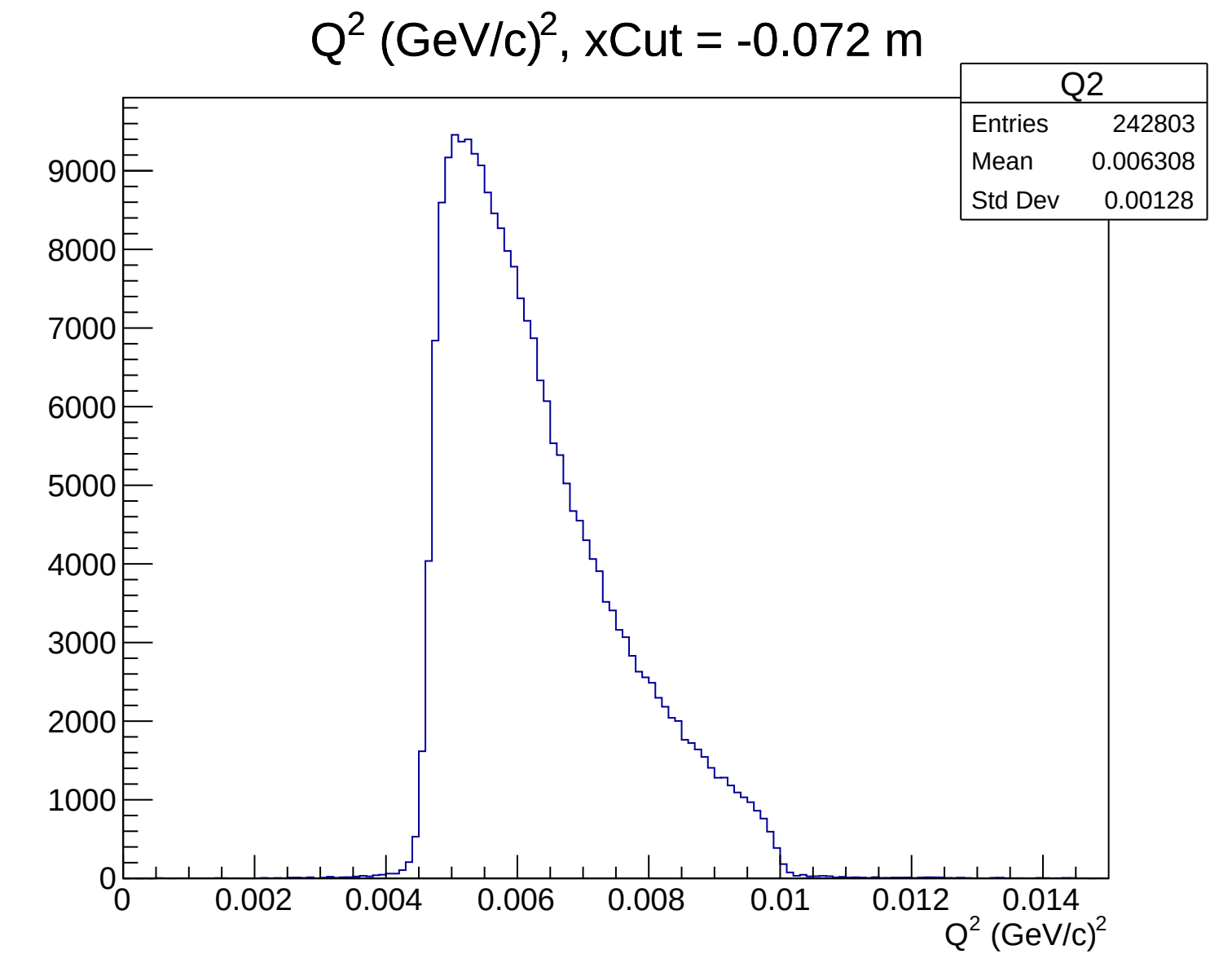

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.072
L.tr.x[0]+1.3*L.tr.th[0] (m)

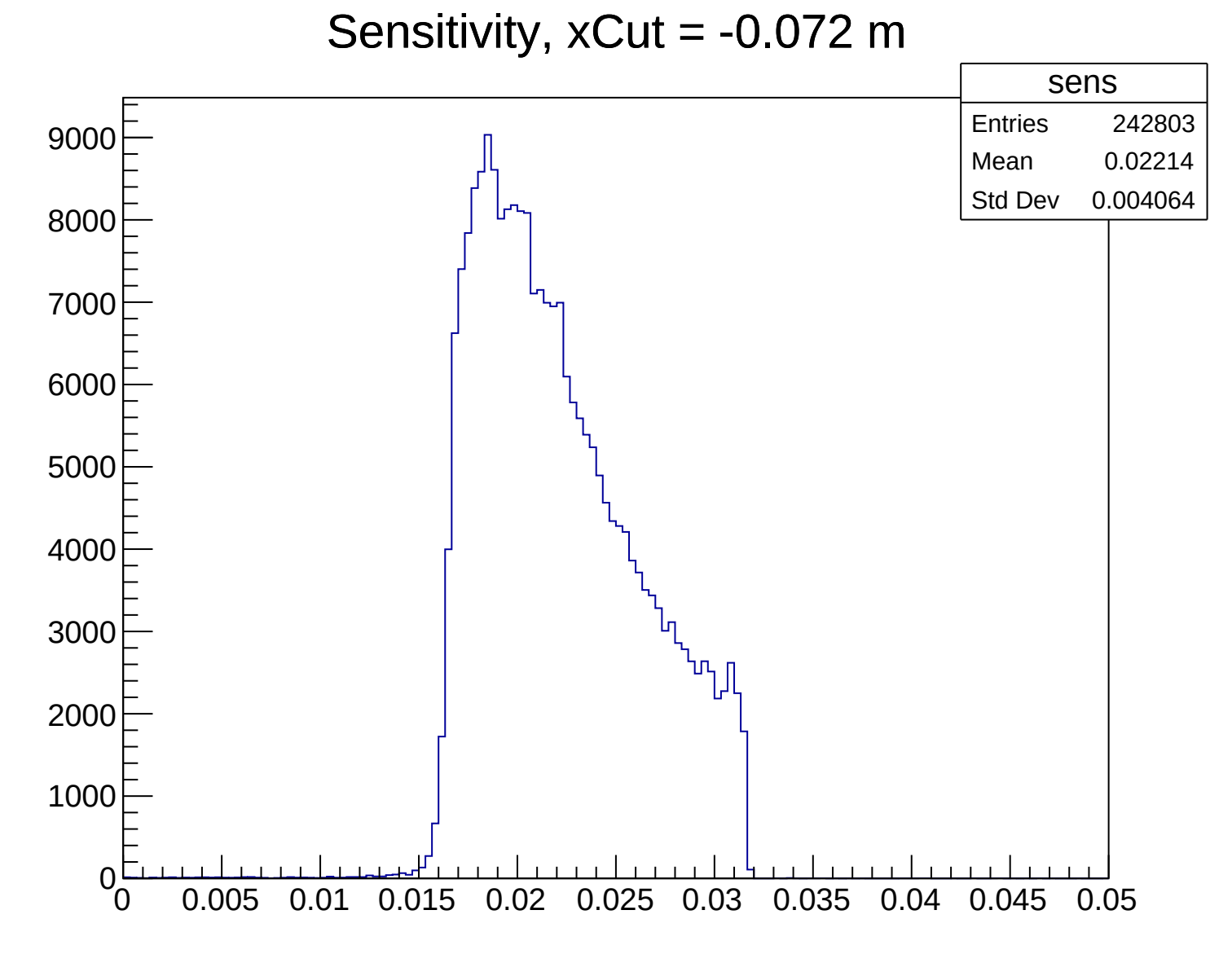

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

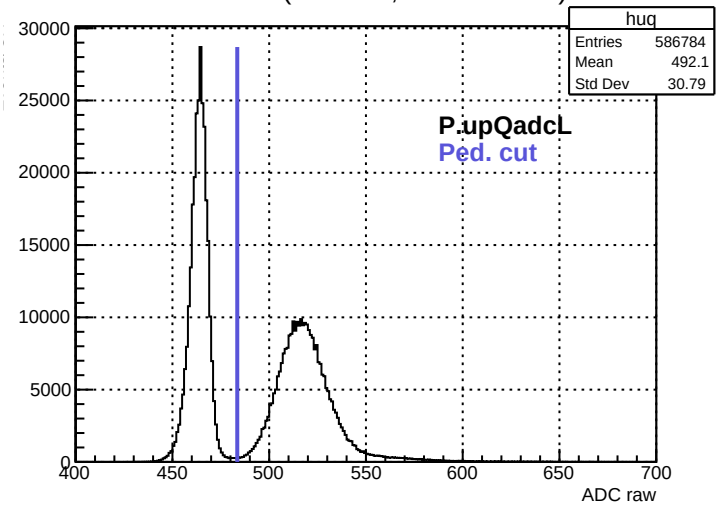

θlab (deg), xCut = -0.072 m
Theta
Entries 242803
Mean 4.779
Std Dev 0.4745
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

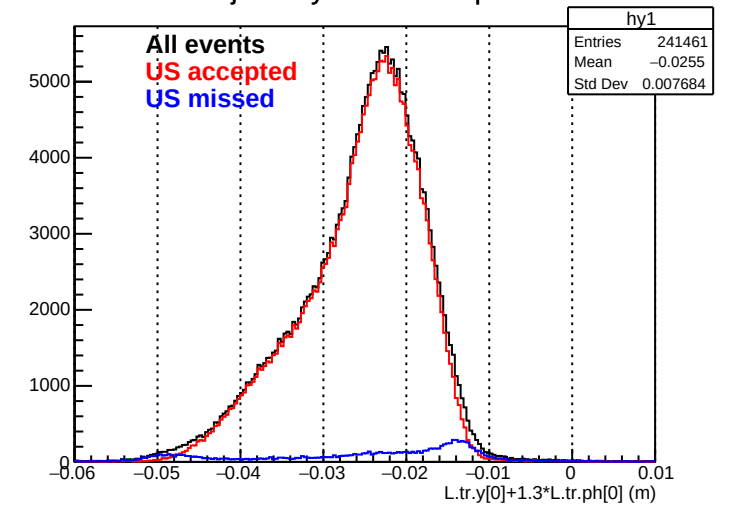

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 242803
Mean 0.5683
Std Dev 0.08409
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

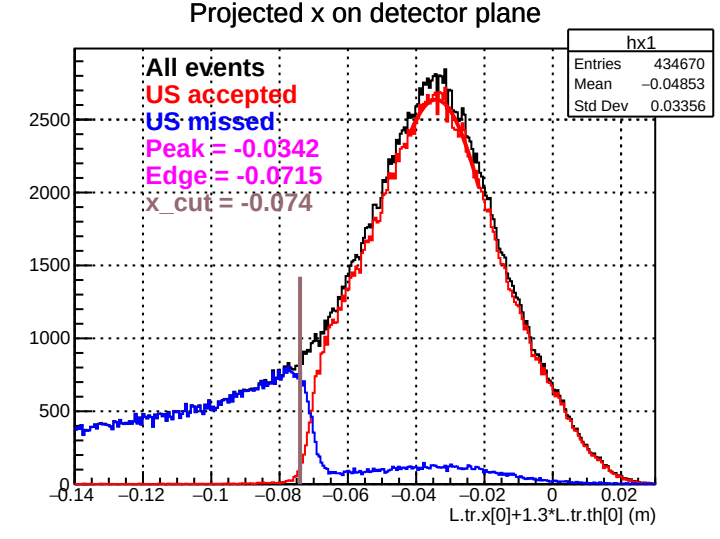

Stretched Asym. (ppm),  xCut = -0.072 m
SAsym
Entries 242803
Mean 0.5554
Std Dev 0.08022
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

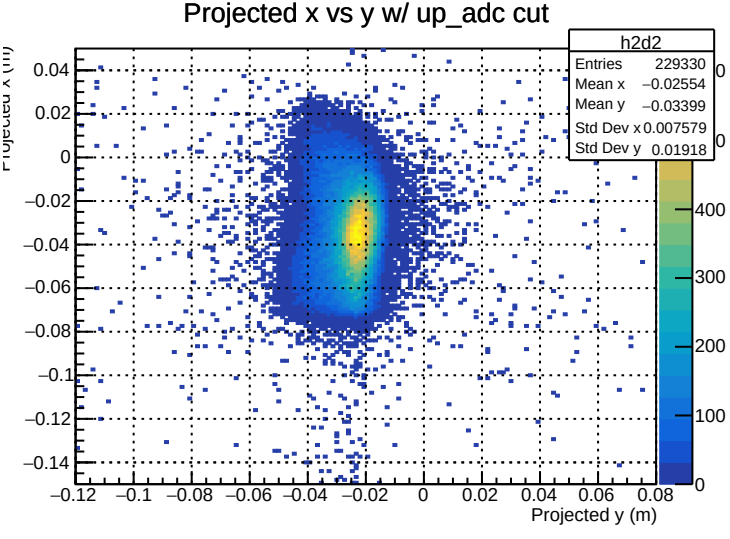

$Q^2$ (GeV/c)$^2$, xCut = -0.072 m
Q2
Entries 242803
Mean 0.006308
Std Dev 0.00128
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

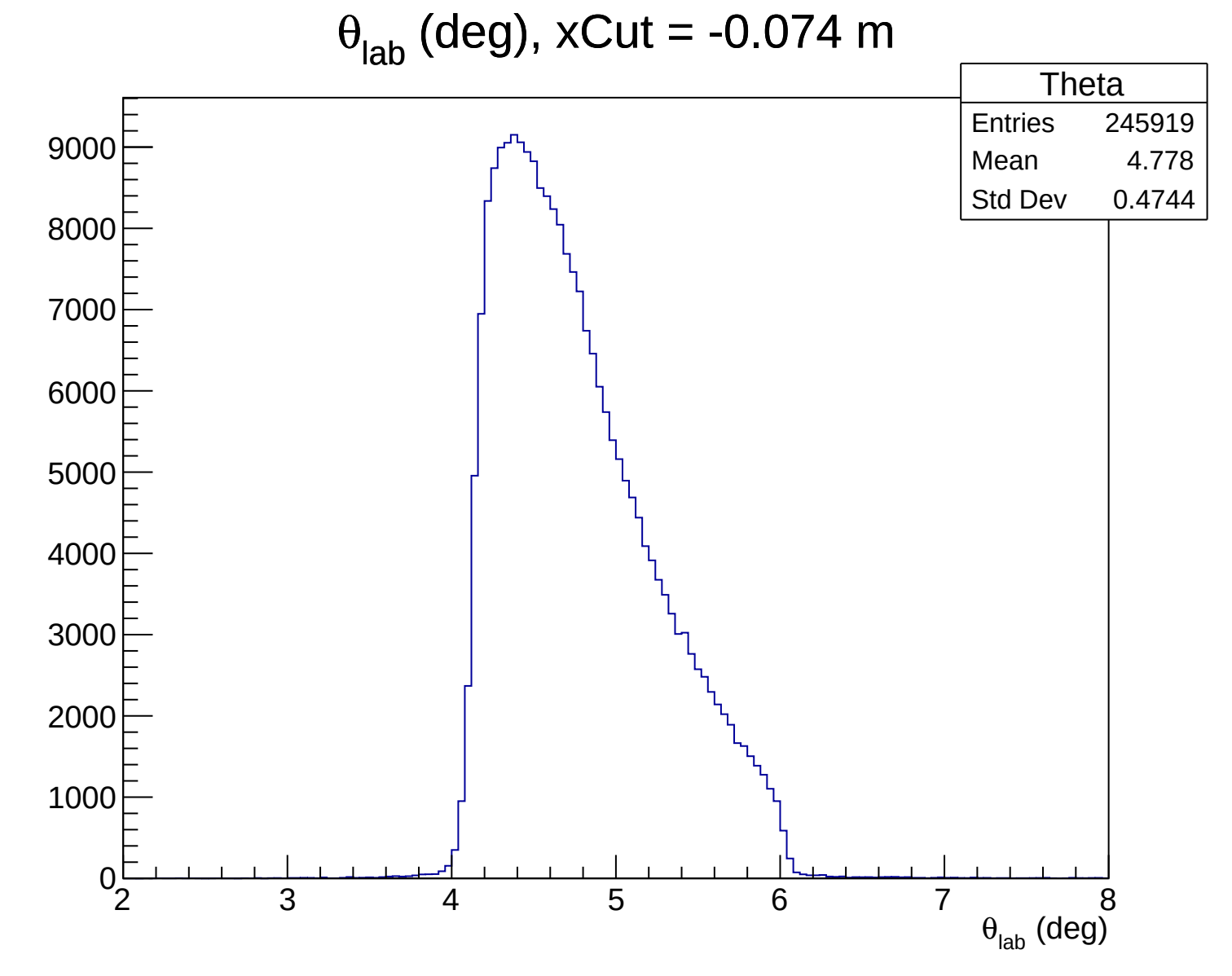

Sensitivity, xCut = -0.072 m
sens
Entries 242803
Mean 0.02214
Std Dev 0.004064
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

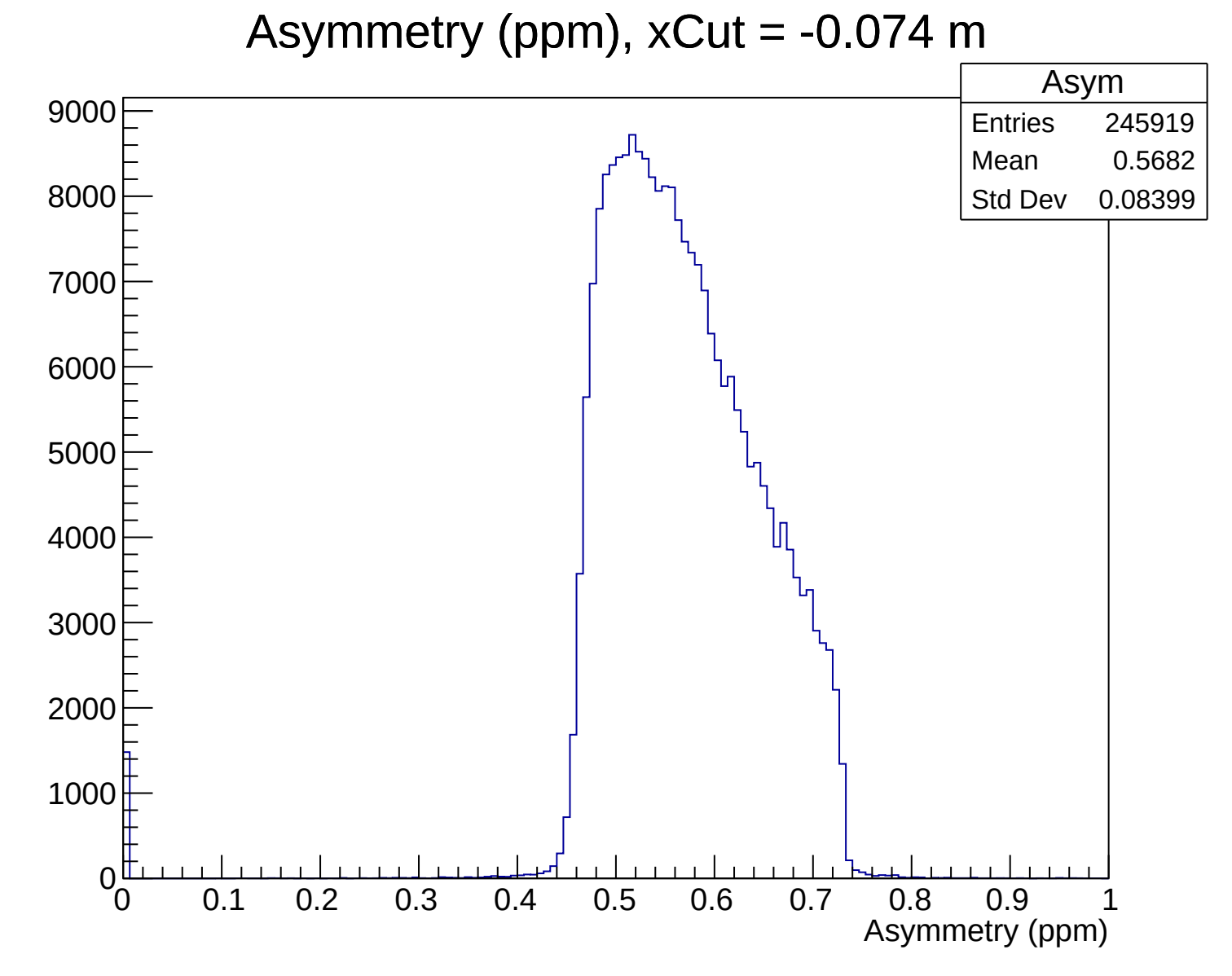

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

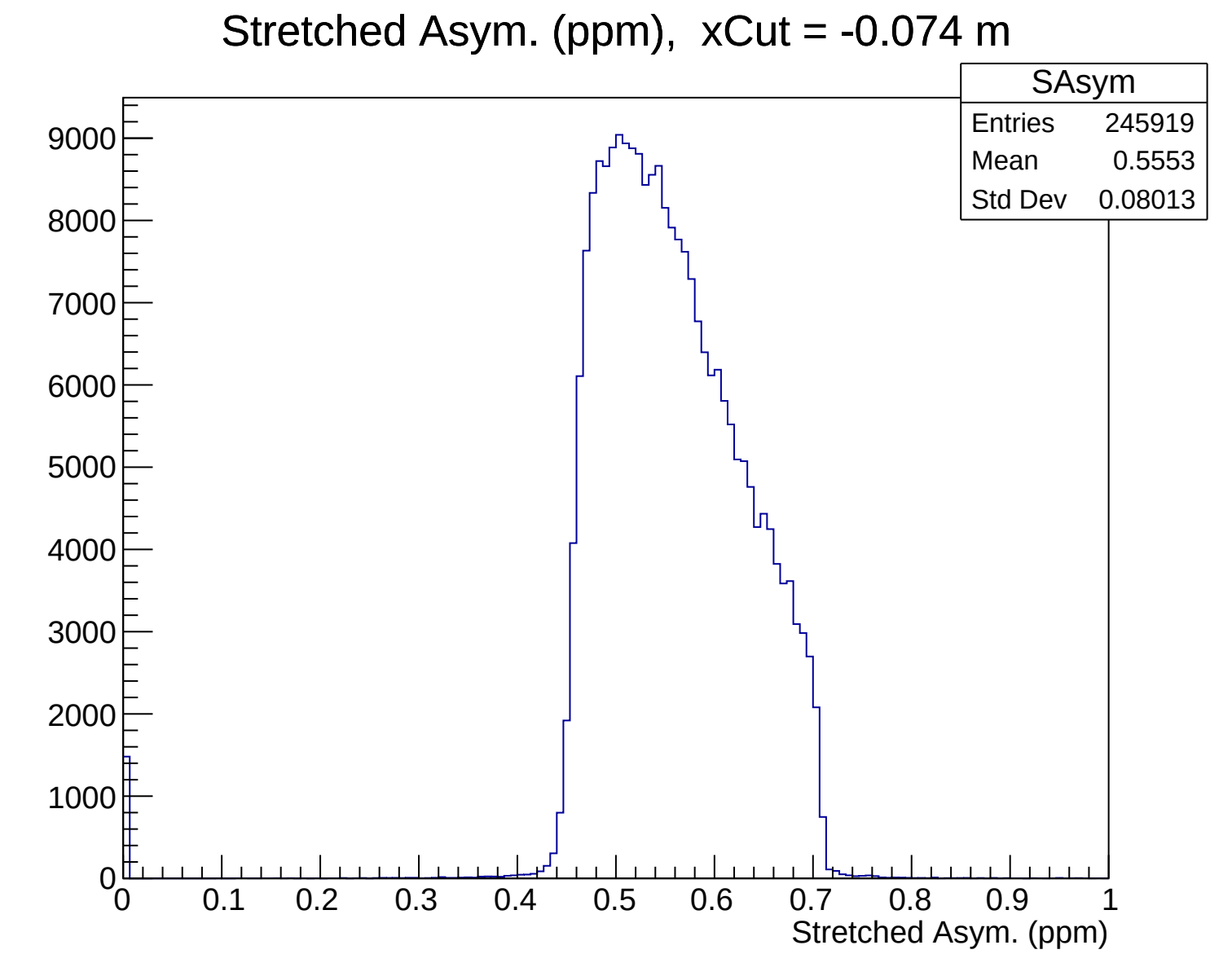

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

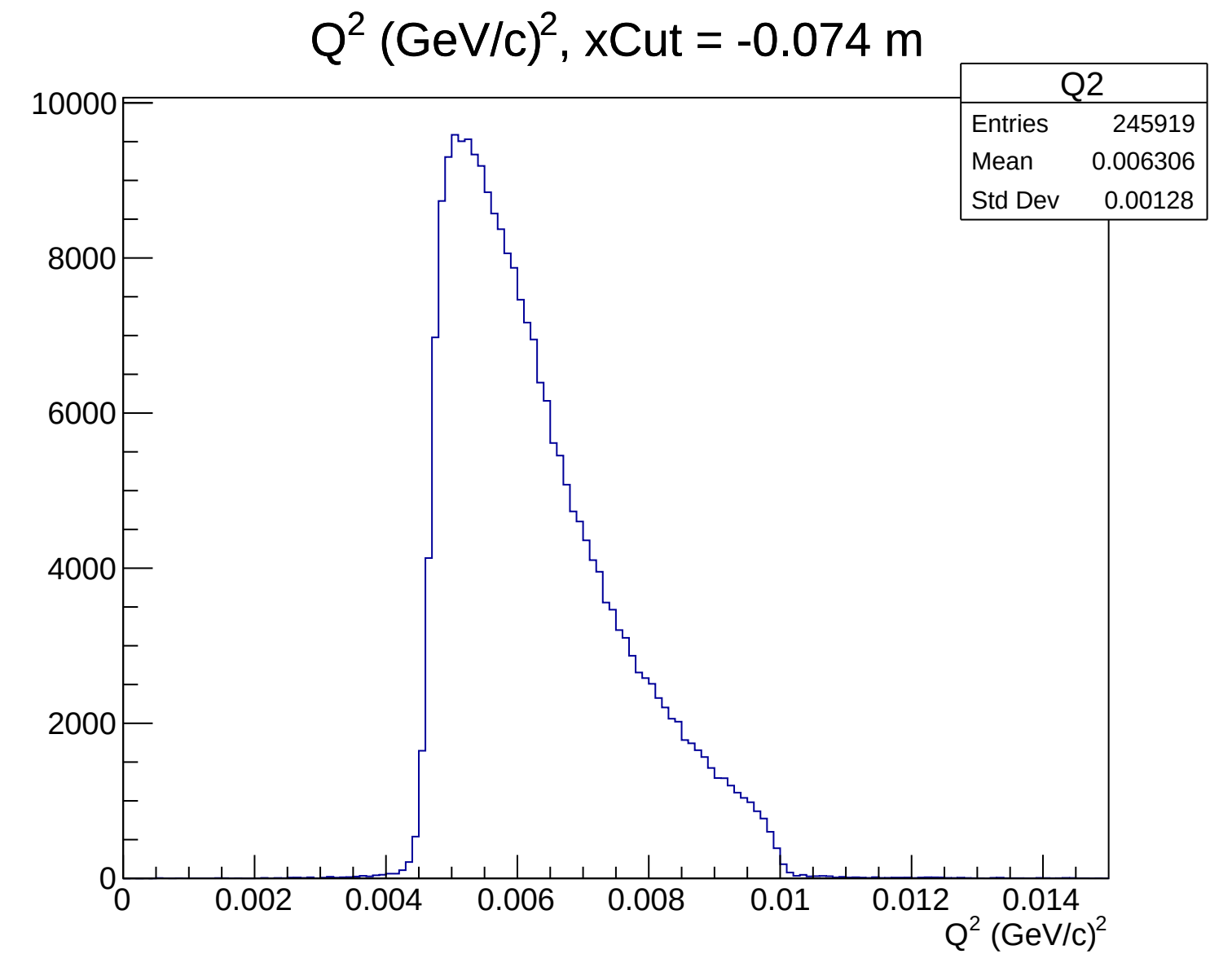

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.074
L.tr.x[0]+1.3*L.tr.th[0] (m)

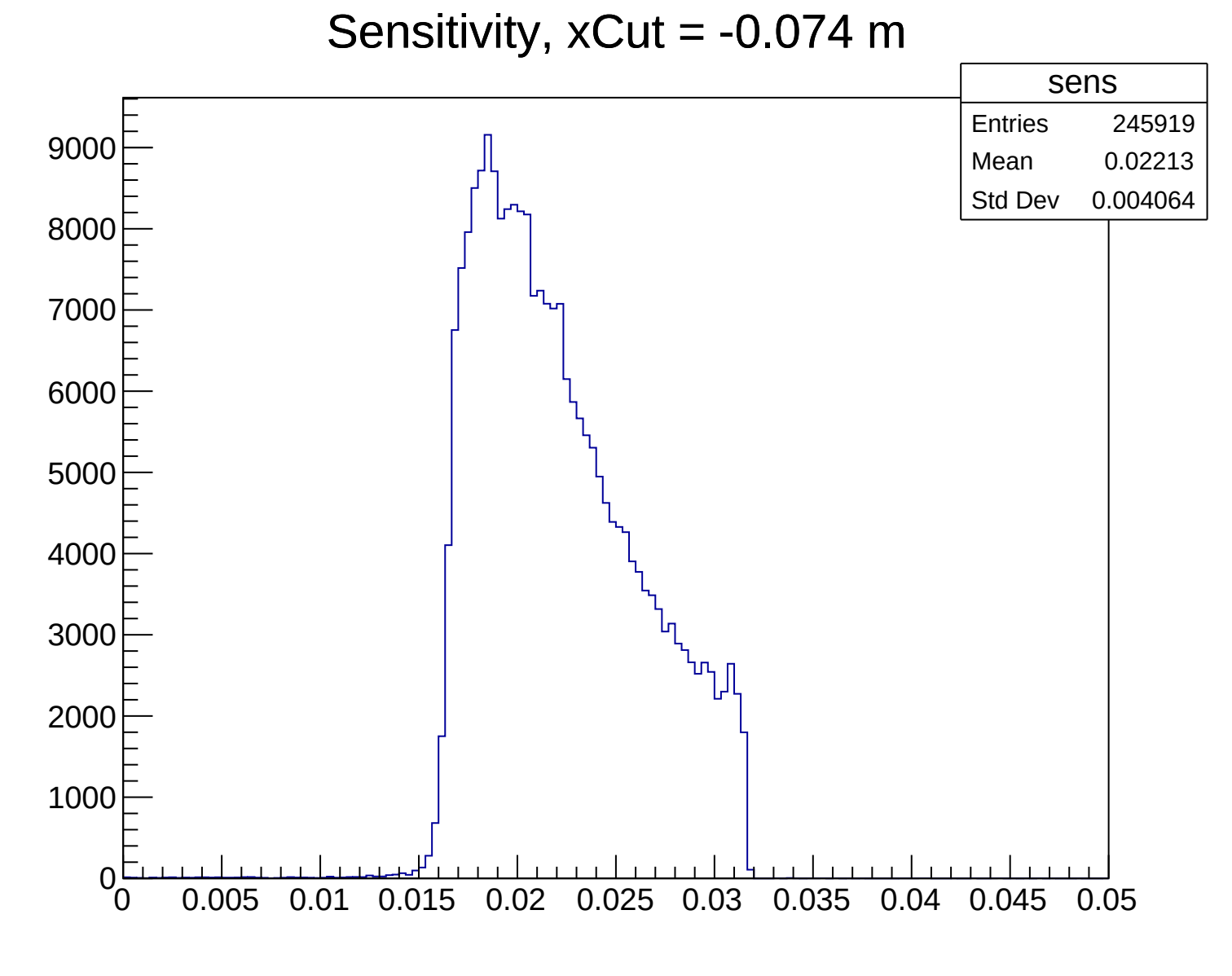

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

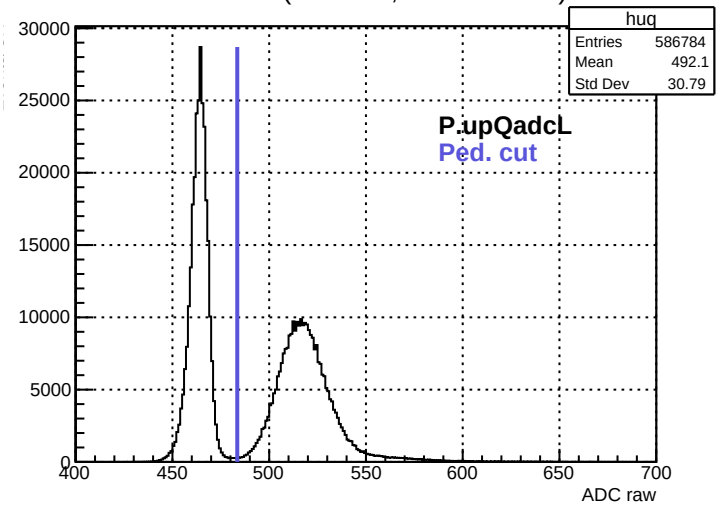

θlab (deg), xCut = -0.074 m
Theta
Entries 245919
Mean 4.778
Std Dev 0.4744
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

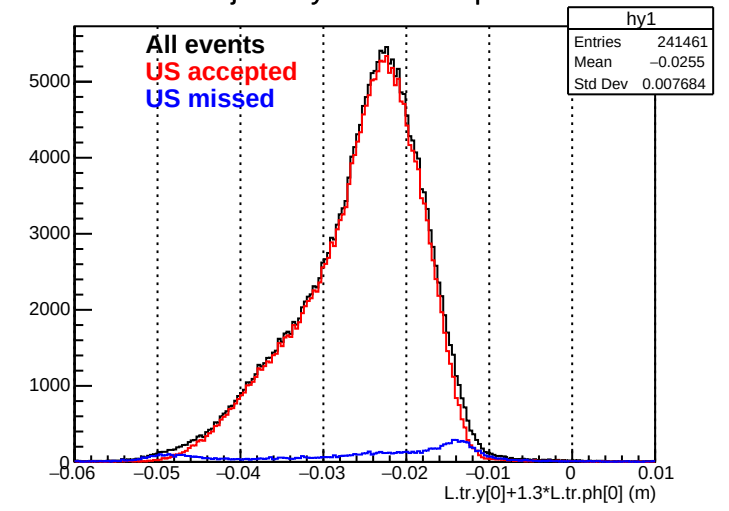

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 245919
Mean 0.5682
Std Dev 0.08399
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

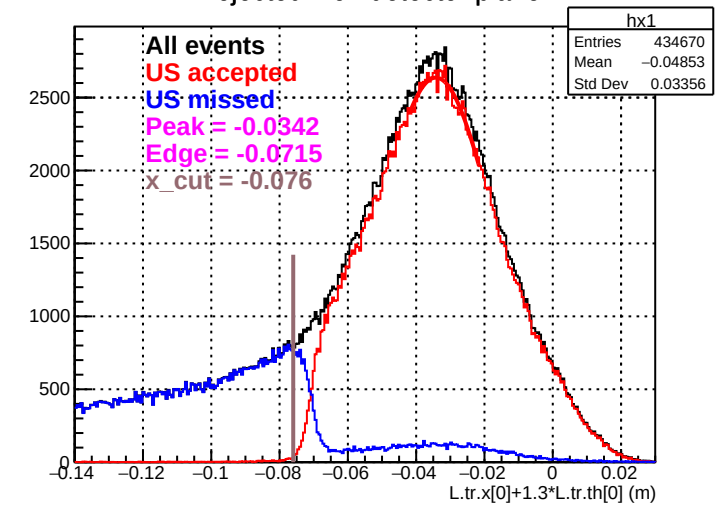

Stretched Asym. (ppm),  xCut = -0.074 m
SAsym
Entries 245919
Mean 0.5553
Std Dev 0.08013
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

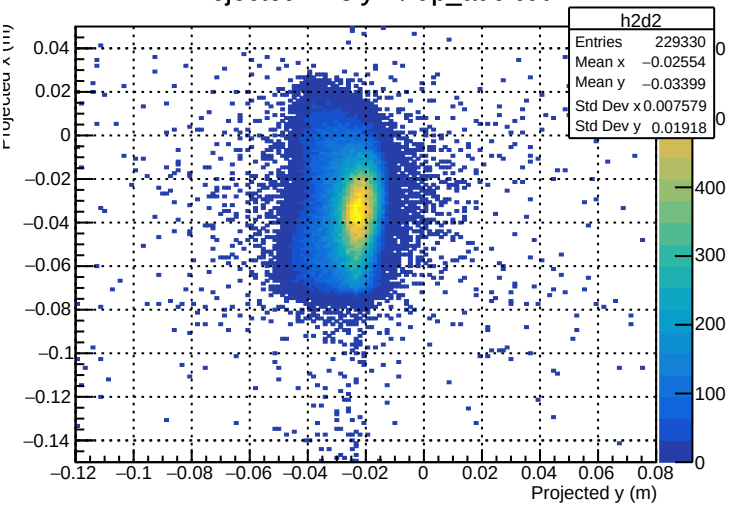

$Q^2$ (GeV/c)$^2$, xCut = -0.074 m
Q2
Entries 245919
Mean 0.006306
Std Dev 0.00128
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

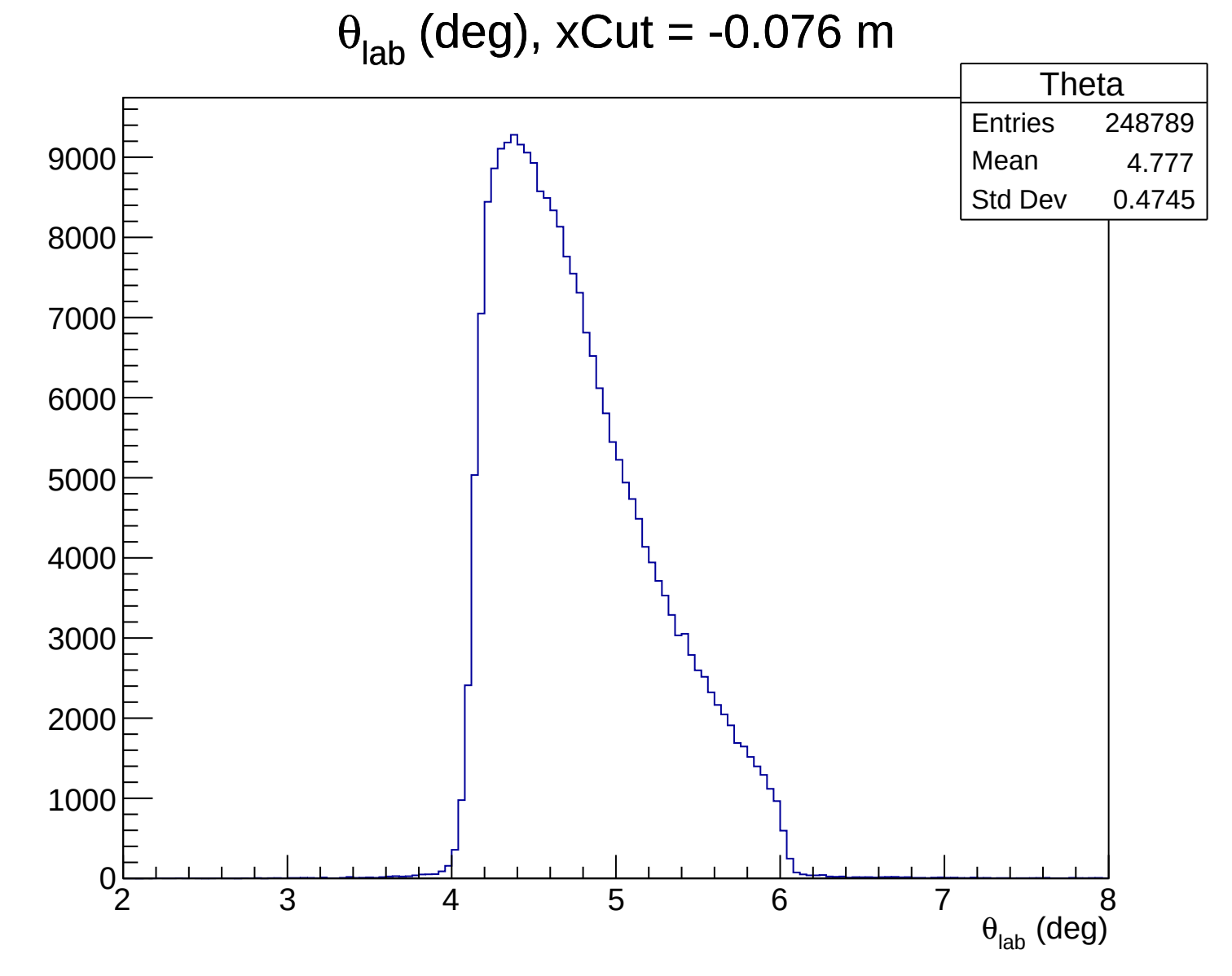

Sensitivity, xCut = -0.074 m
sens
Entries 245919
Mean 0.02213
Std Dev 0.004064
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

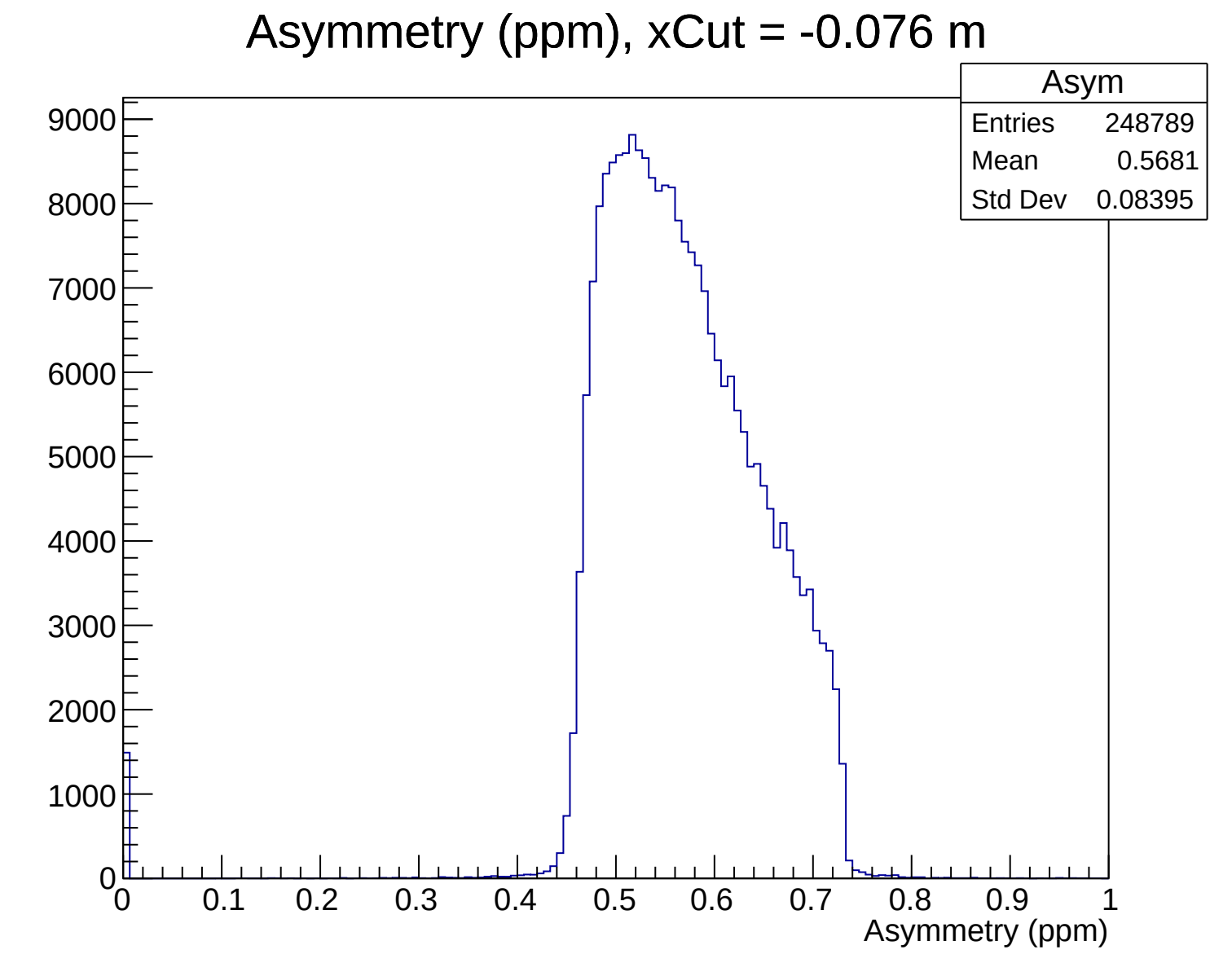

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

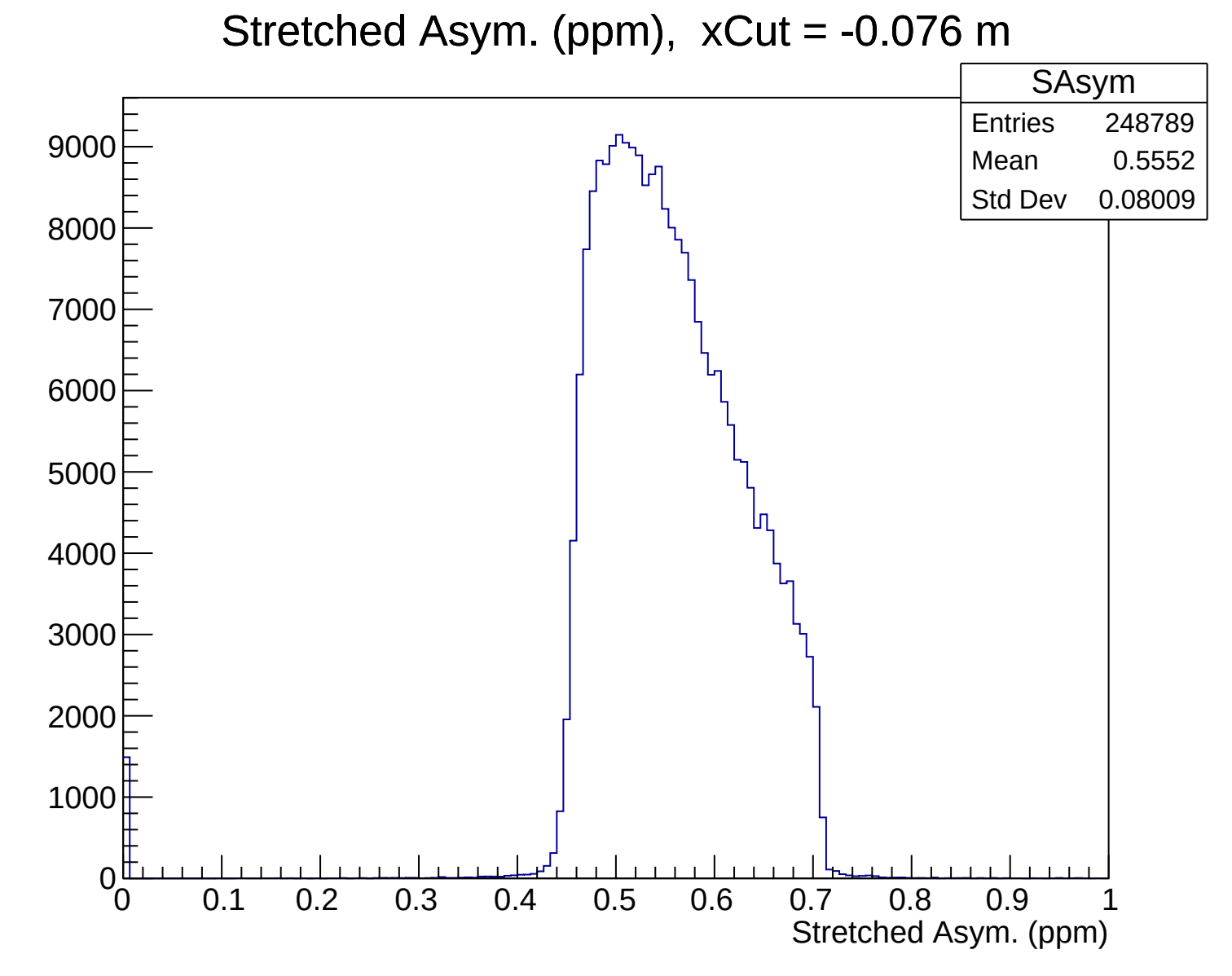

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

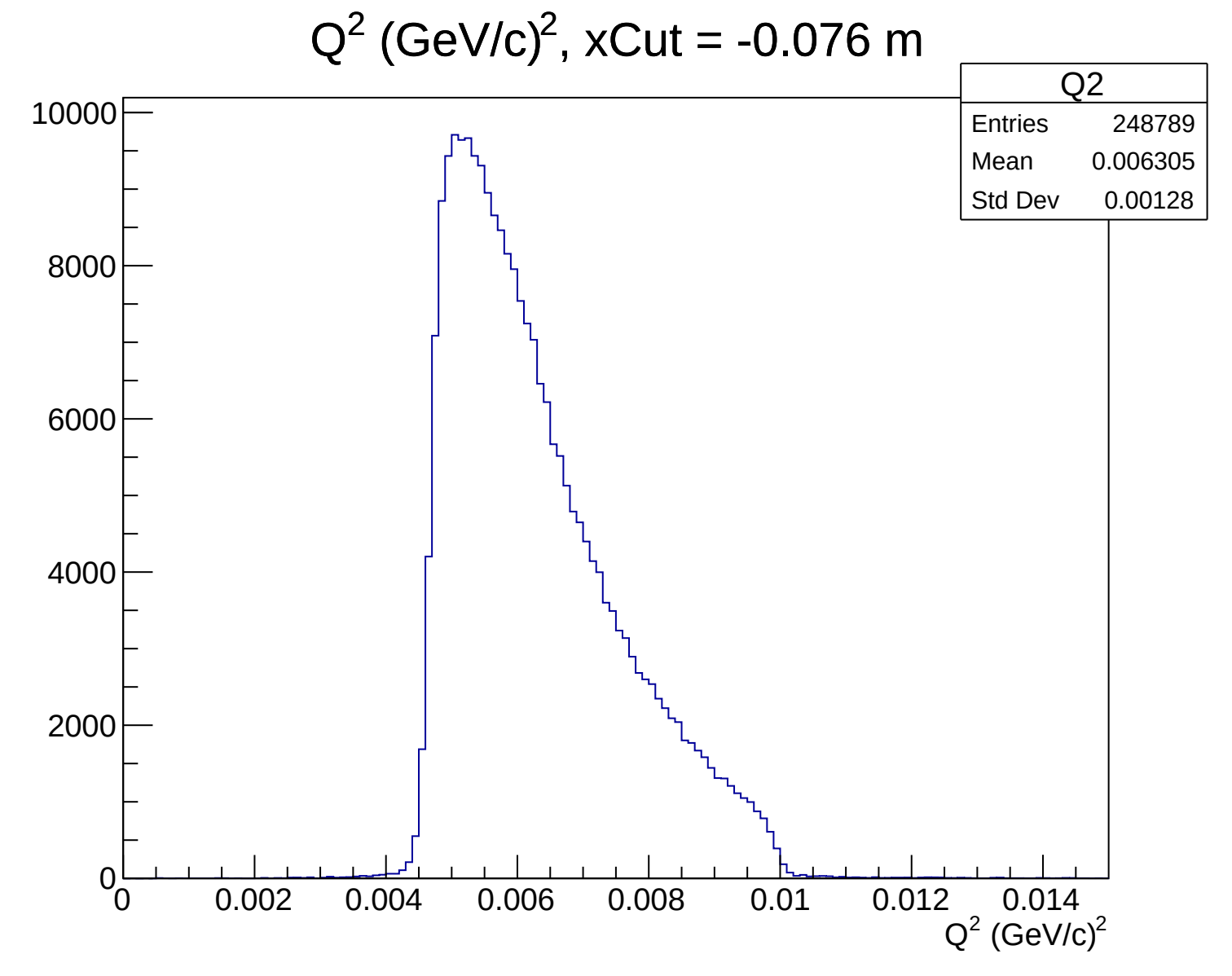

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.076
L.tr.x[0]+1.3*L.tr.th[0] (m)

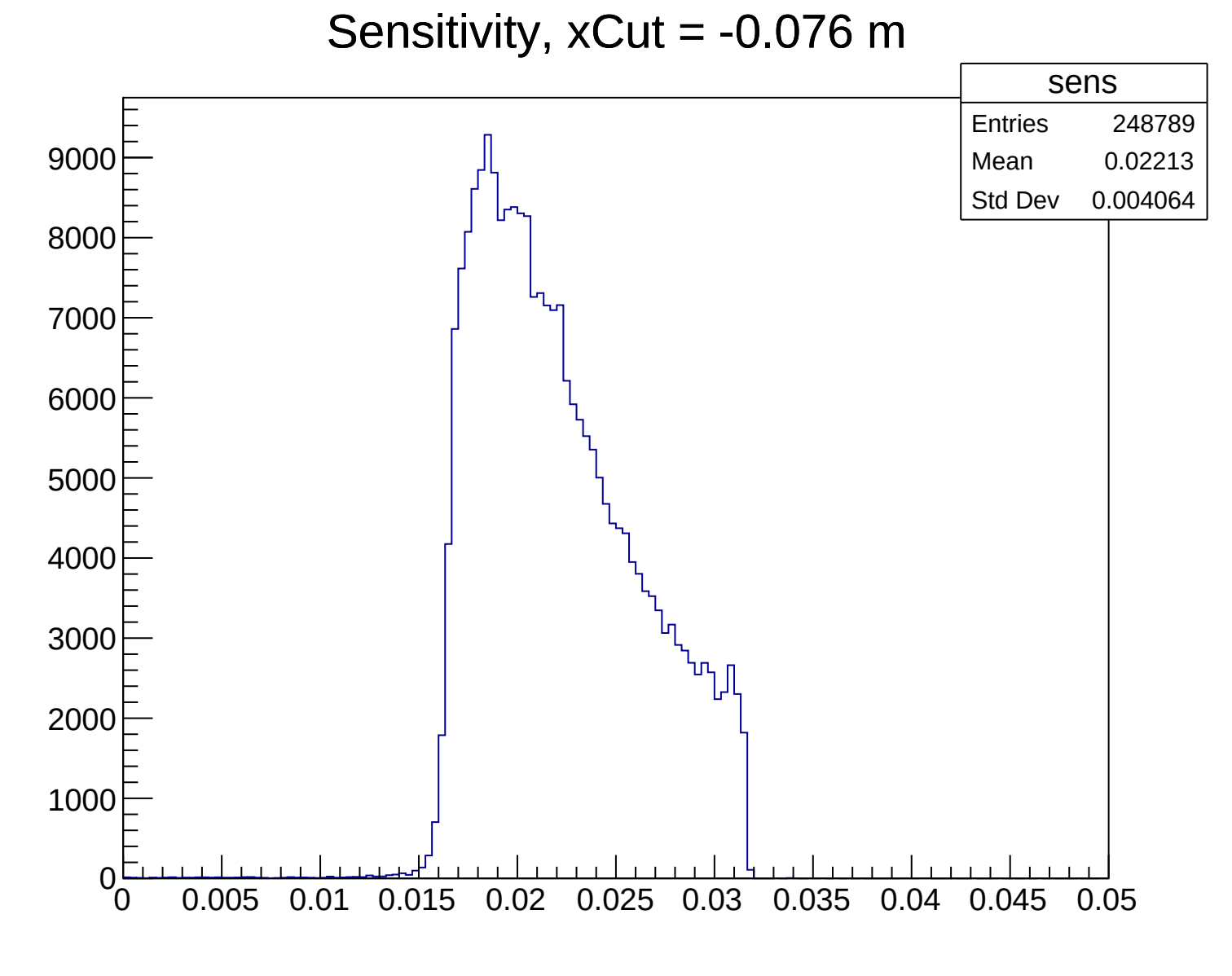

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

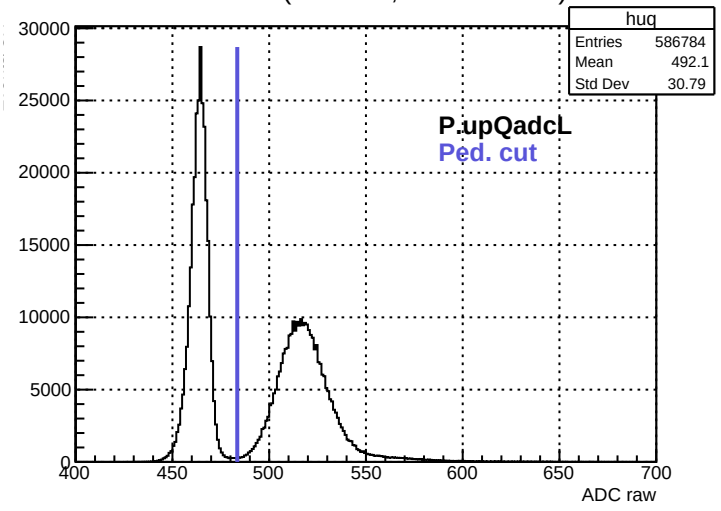

θlab (deg), xCut = -0.076 m
Theta
Entries 248789
Mean 4.777
Std Dev 0.4745
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

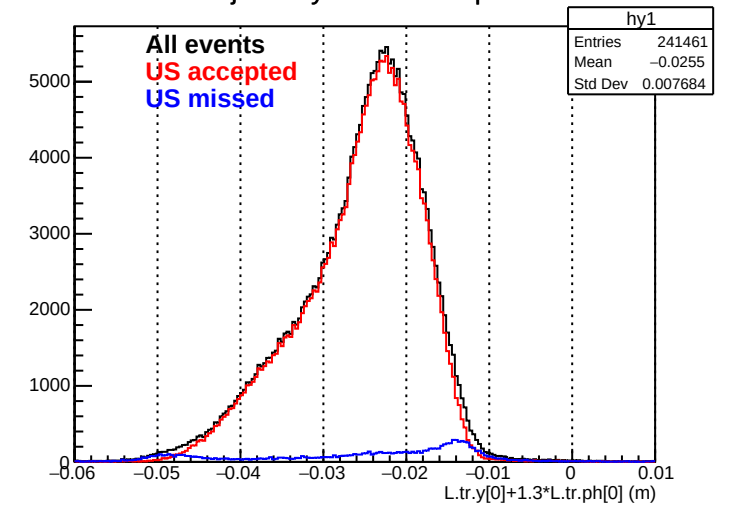

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 248789
Mean 0.5681
Std Dev 0.08395
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

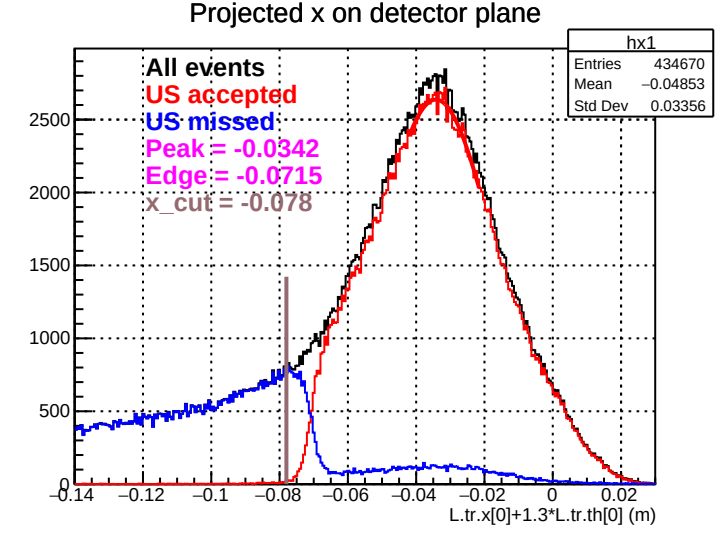

Stretched Asym. (ppm),  xCut = -0.076 m
SAsym
Entries 248789
Mean 0.5552
Std Dev 0.08009
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

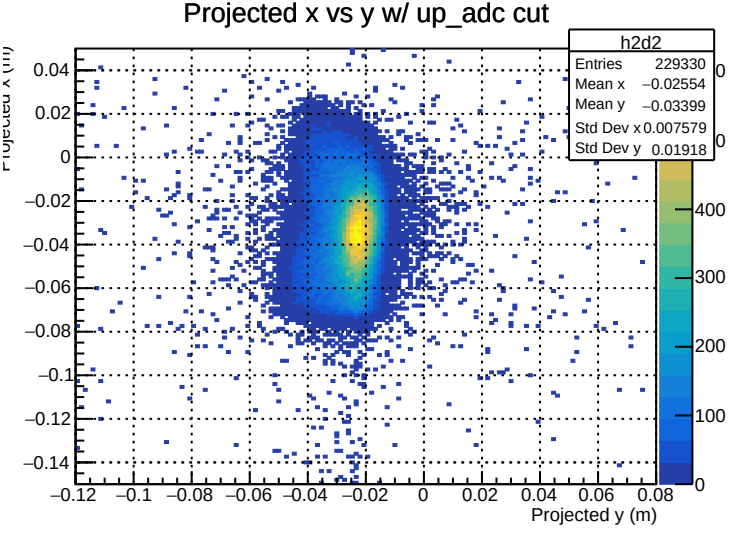

$Q^2$ (GeV/c)$^2$, xCut = -0.076 m
Q2
Entries 248789
Mean 0.006305
Std Dev 0.00128
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

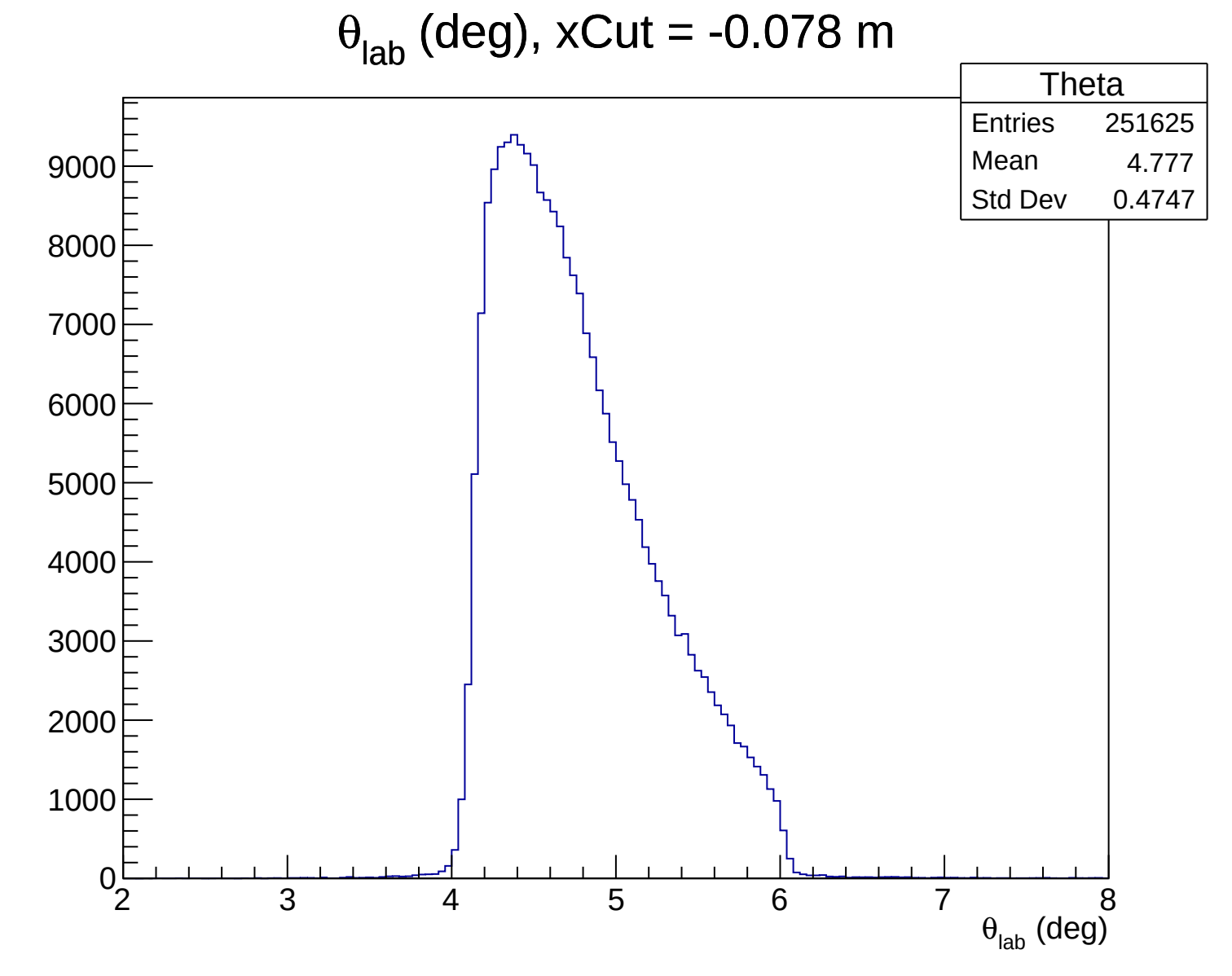

Sensitivity, xCut = -0.076 m
sens
Entries 248789
Mean 0.02213
Std Dev 0.004064
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

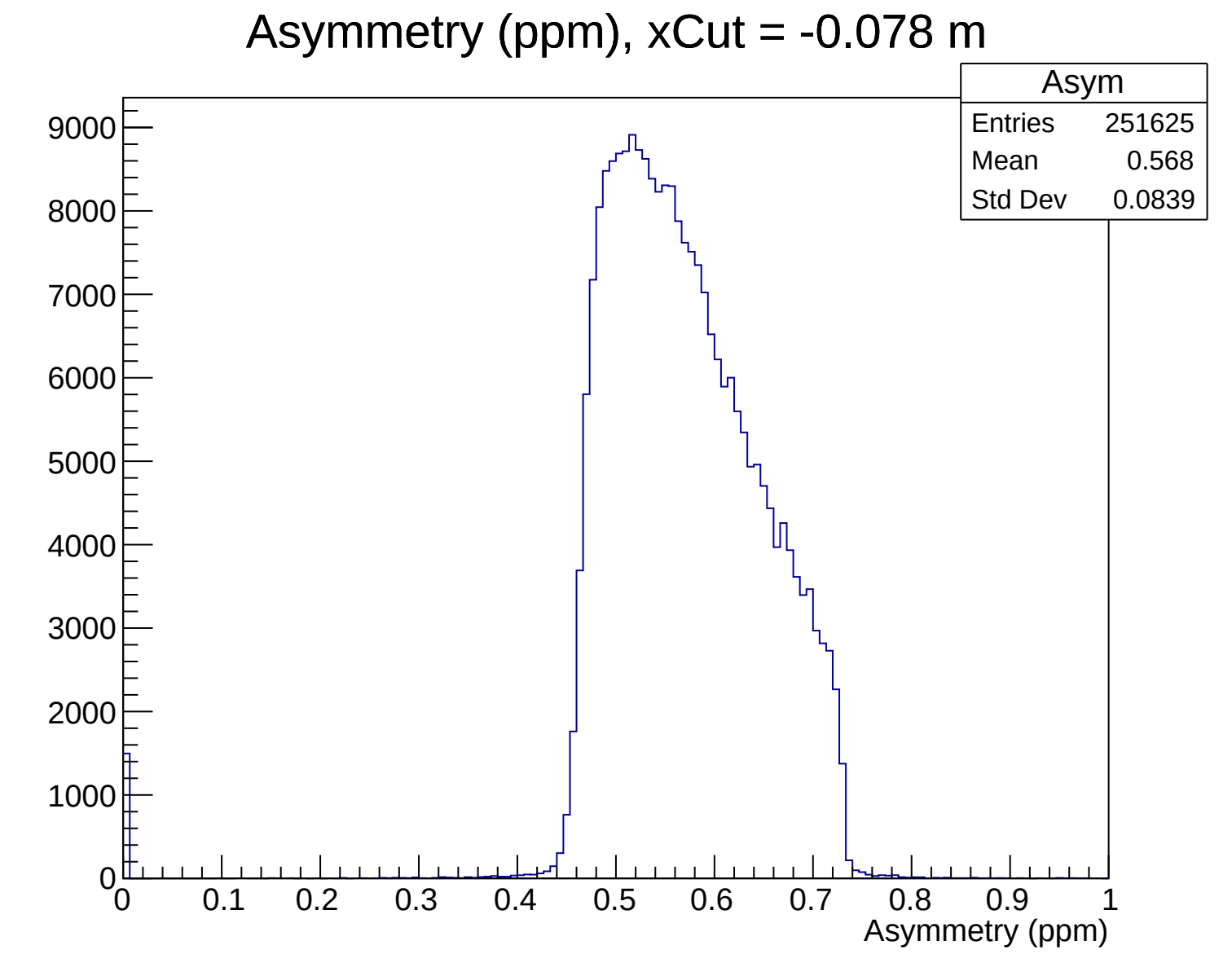

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

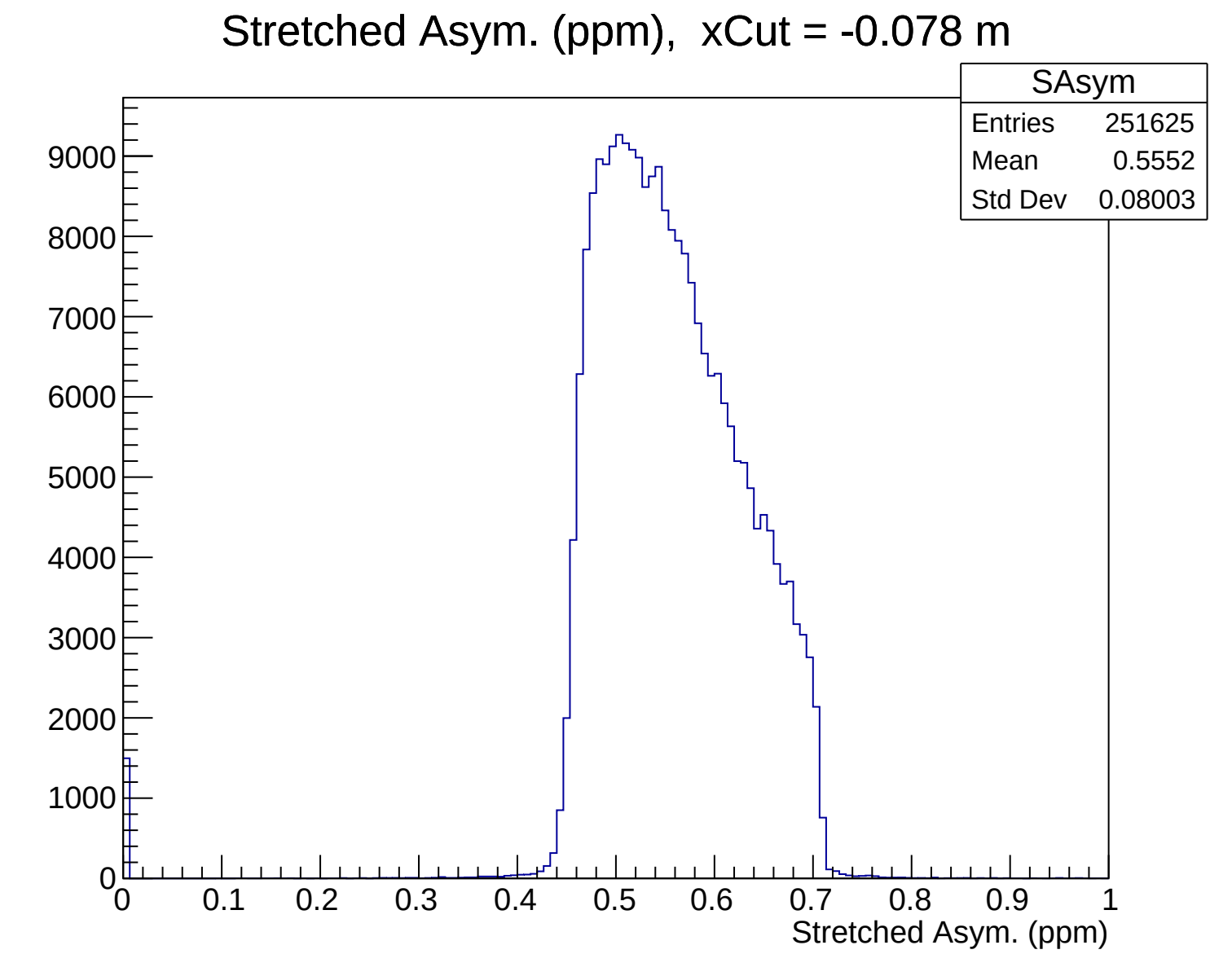

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

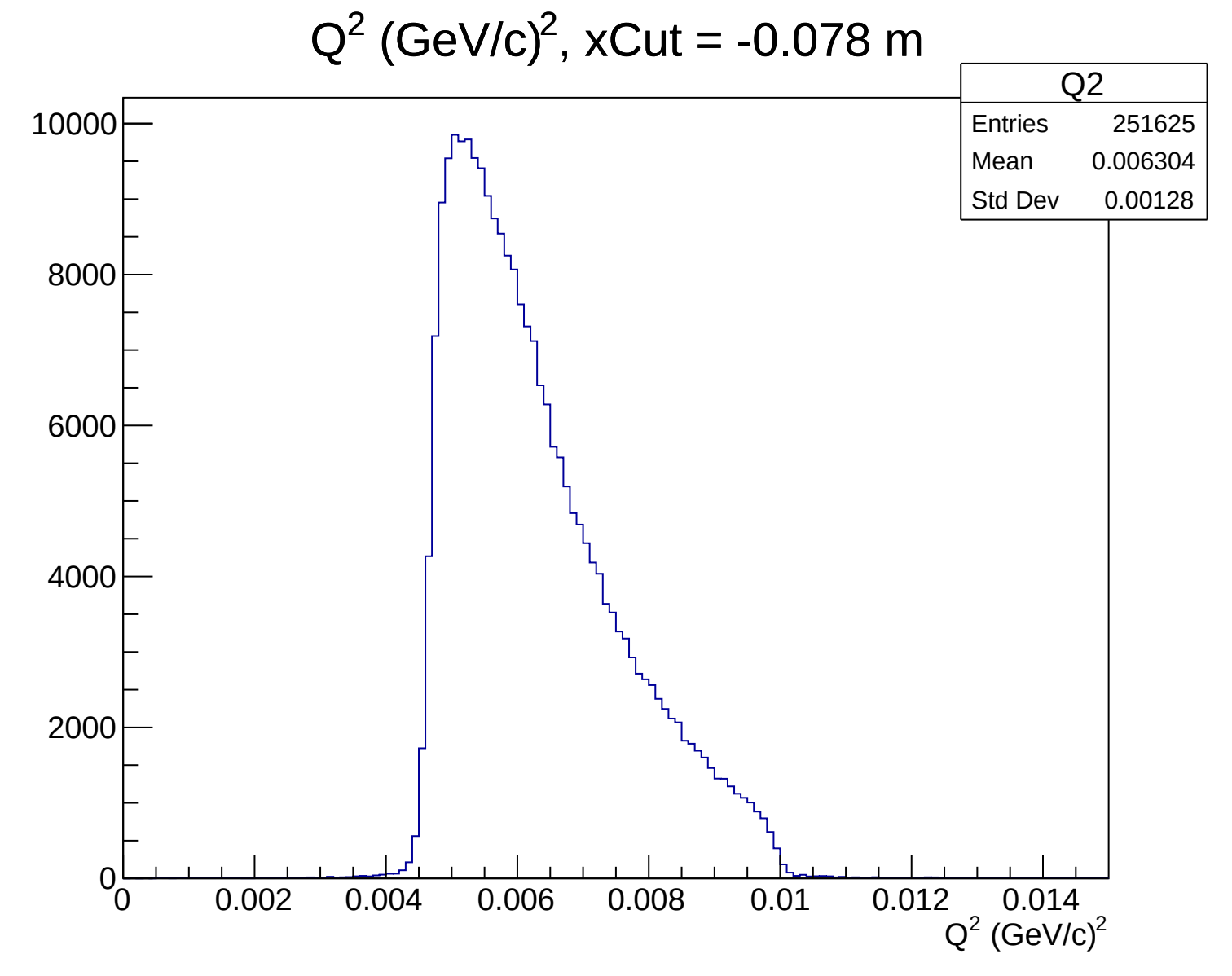

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.078
L.tr.x[0]+1.3*L.tr.th[0] (m)

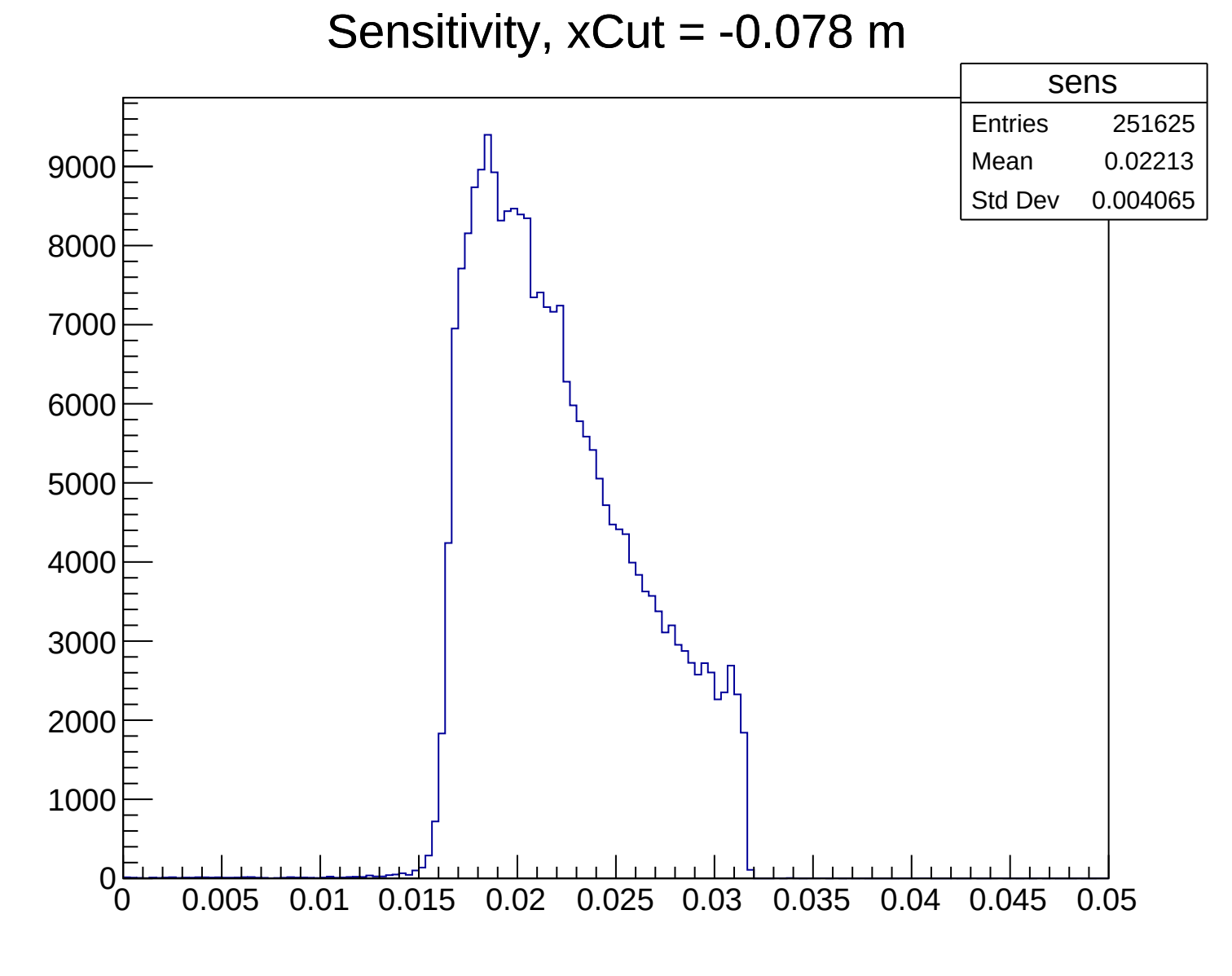

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

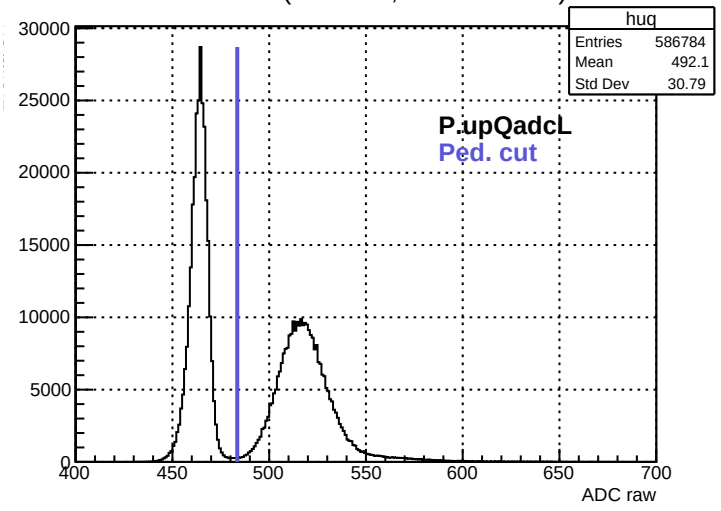

θlab (deg), xCut = -0.078 m
Theta
Entries 251625
Mean 4.777
Std Dev 0.4747
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

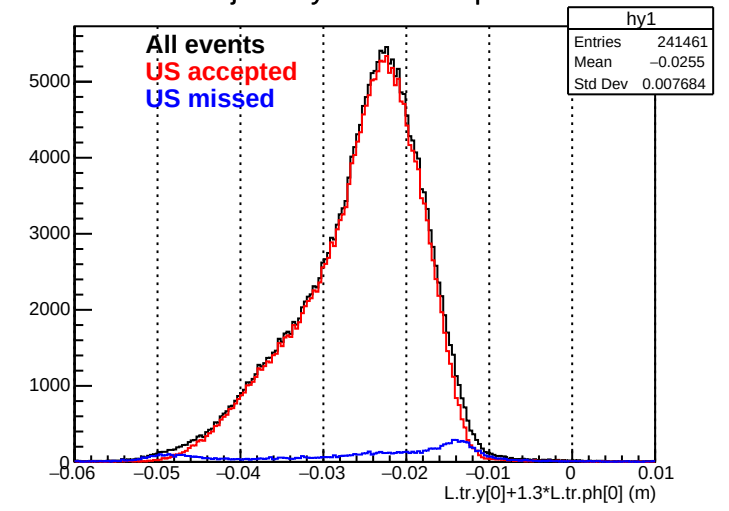

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 251625
Mean 0.568
Std Dev 0.0839
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

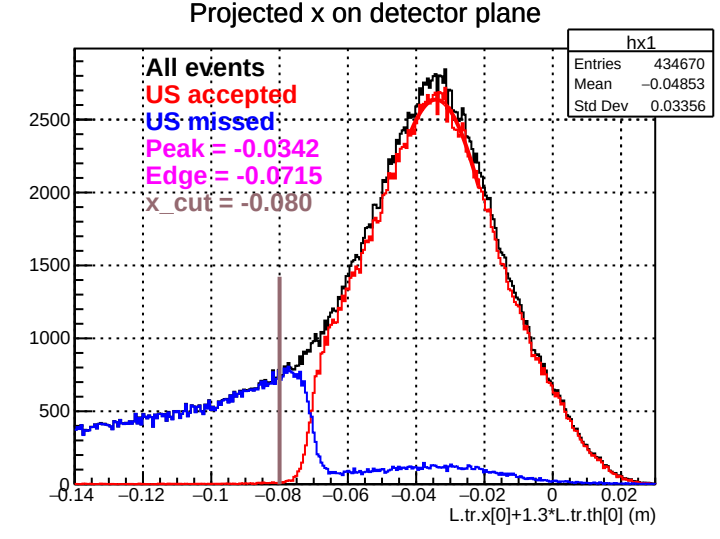

Stretched Asym. (ppm),  xCut = -0.078 m
SAsym
Entries 251625
Mean 0.5552
Std Dev 0.08003
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

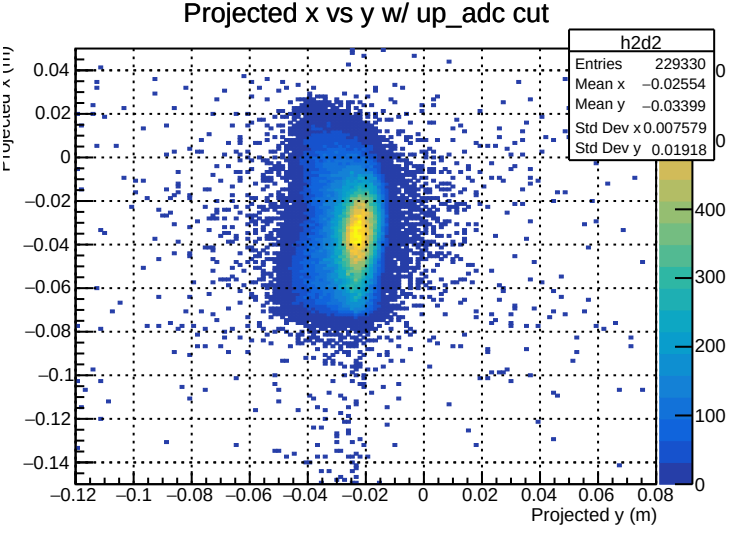

$Q^2$ (GeV/c)$^2$, xCut = -0.078 m
Q2
Entries 251625
Mean 0.006304
Std Dev 0.00128
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

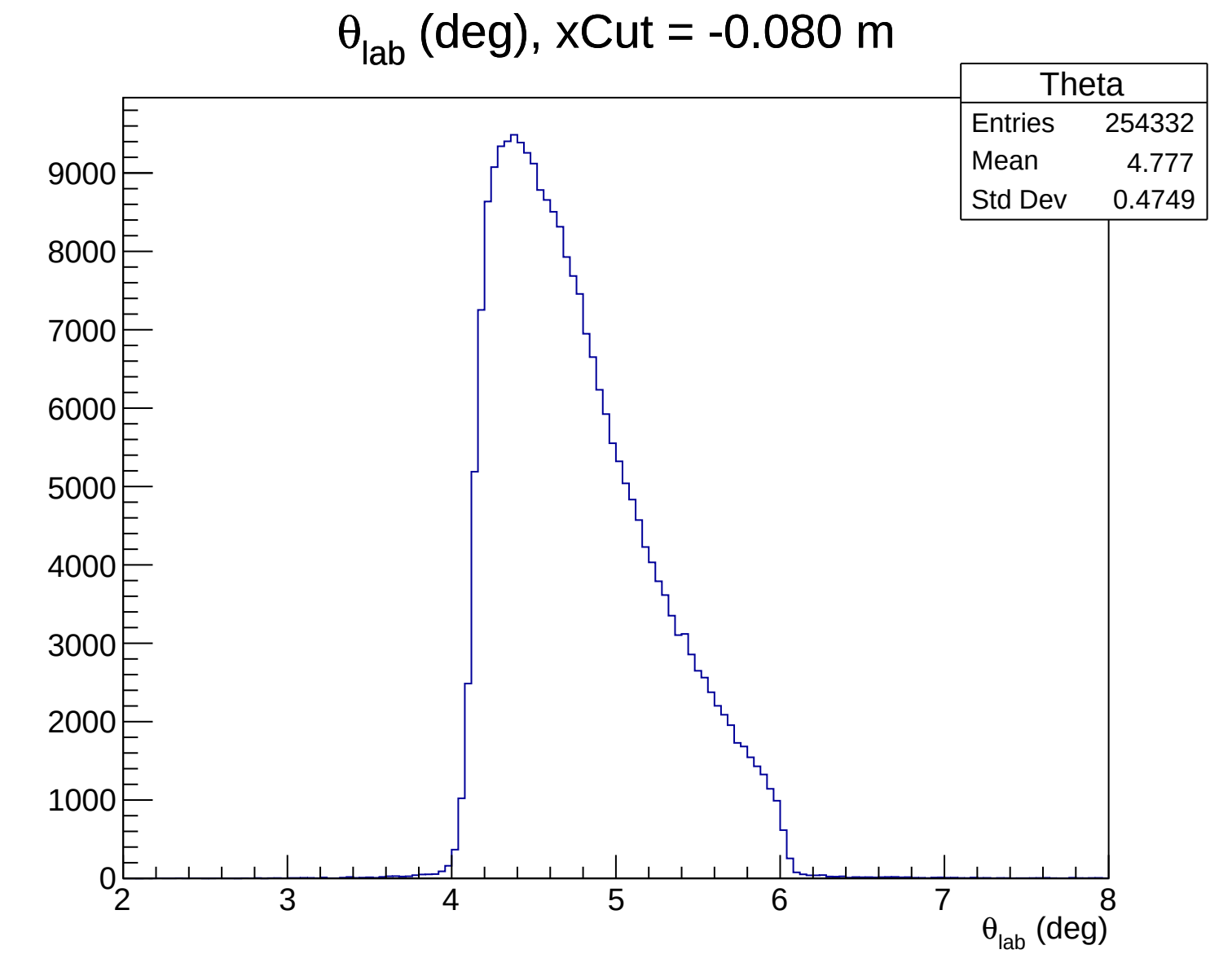

Sensitivity, xCut = -0.078 m
sens
Entries 251625
Mean 0.02213
Std Dev 0.004065
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

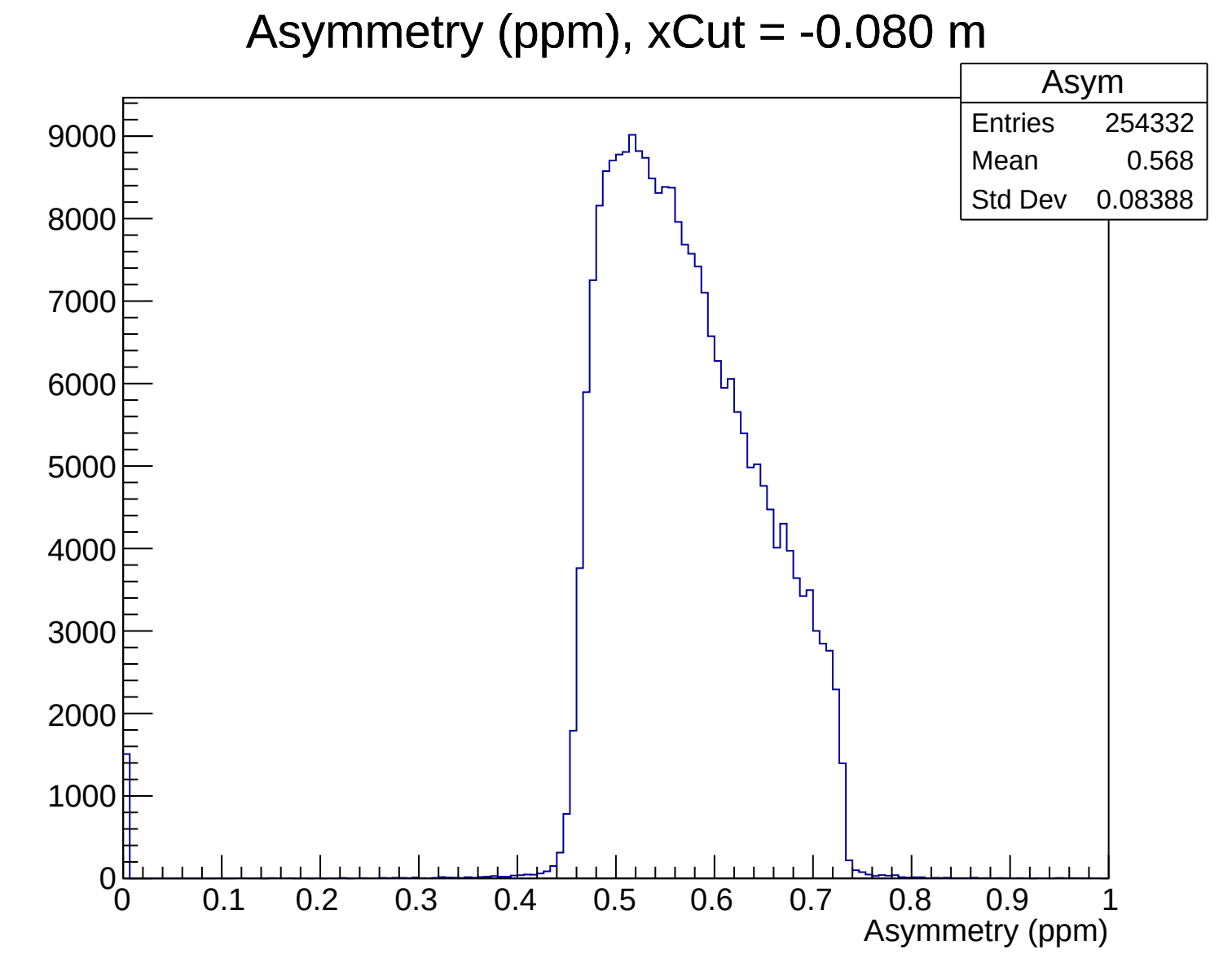

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

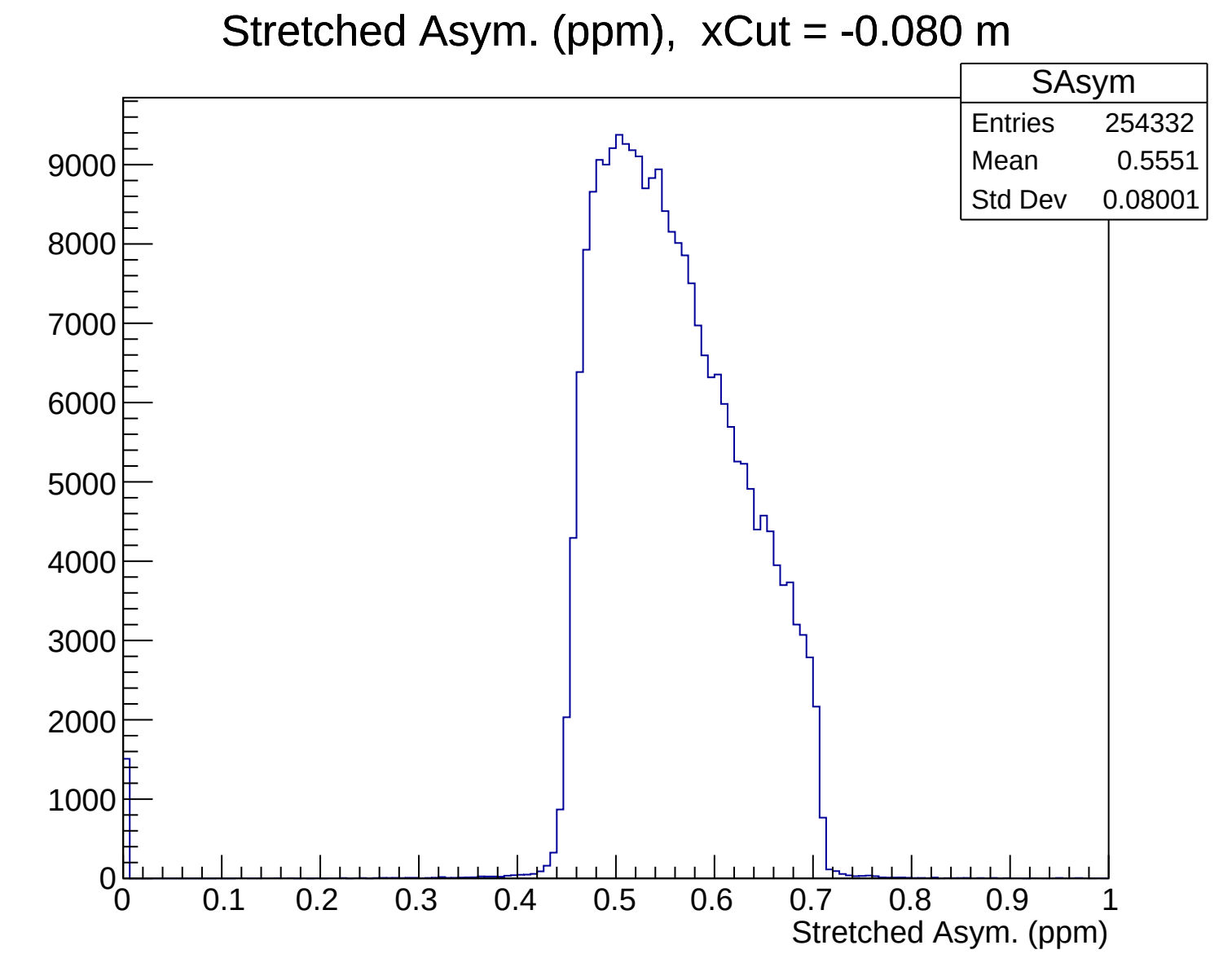

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

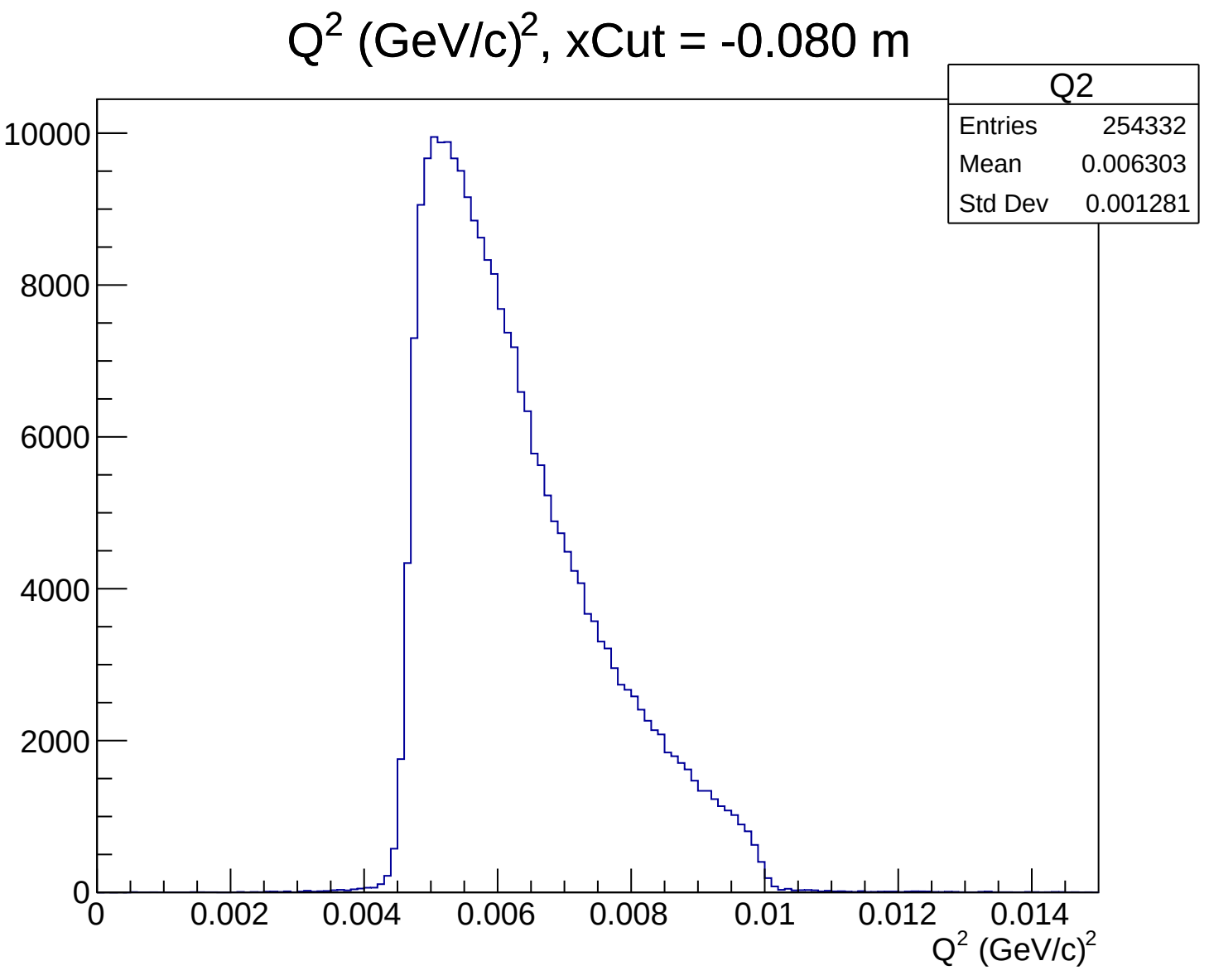

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

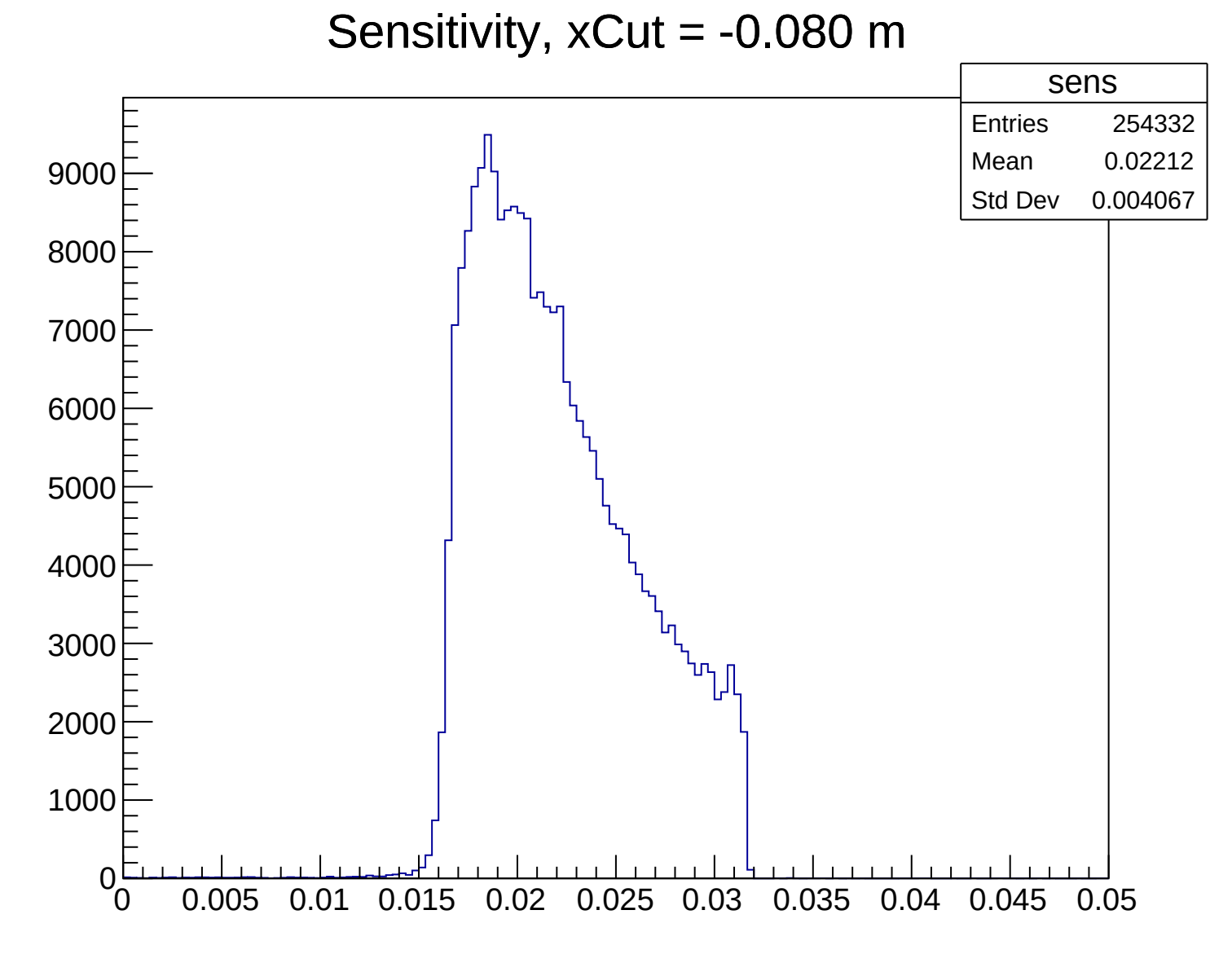

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

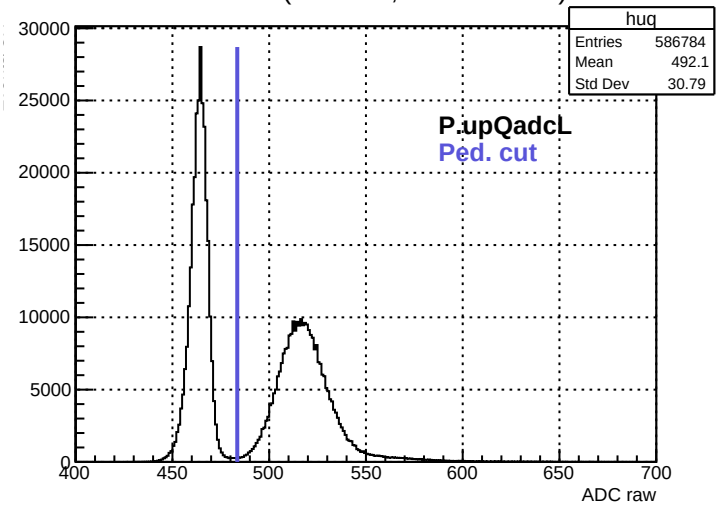

θlab (deg), xCut = -0.080 m
Theta
Entries 254332
Mean 4.777
Std Dev 0.4749
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

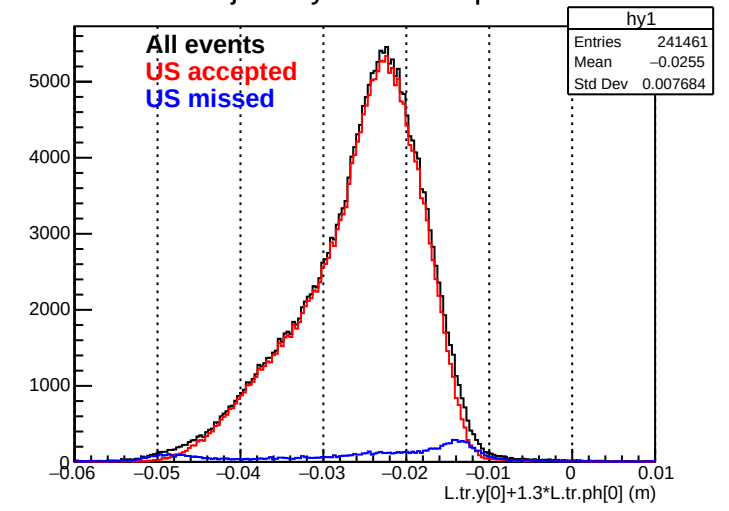

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 254332
Mean 0.568
Std Dev 0.08388
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

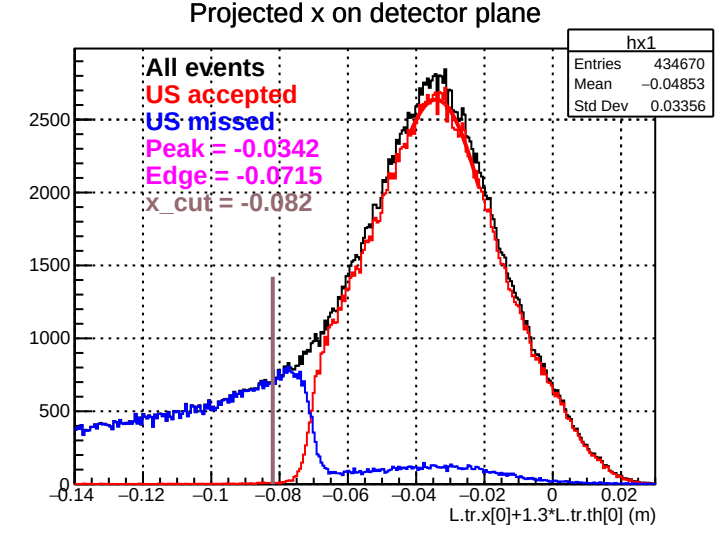

Stretched Asym. (ppm),  xCut = -0.080 m
SAsym
Entries 254332
Mean 0.5551
Std Dev 0.08001
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

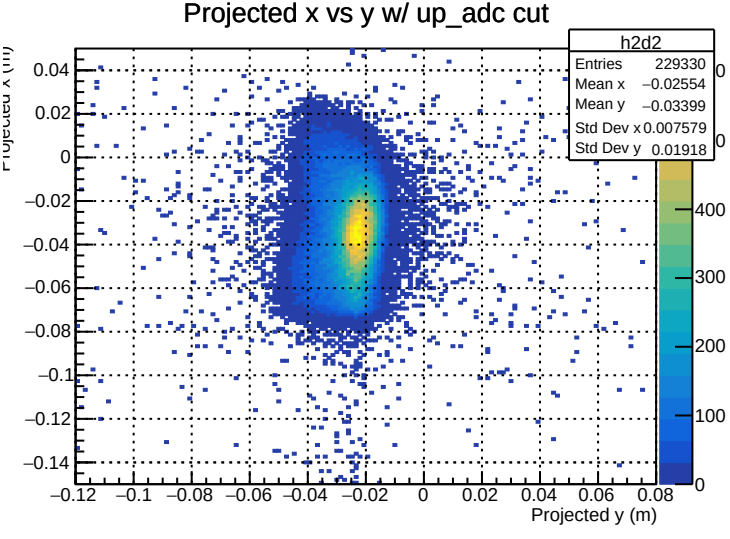

$Q^2$ (GeV/c)$^2$, xCut = -0.080 m
Q2
Entries 254332
Mean 0.006303
Std Dev 0.001281
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

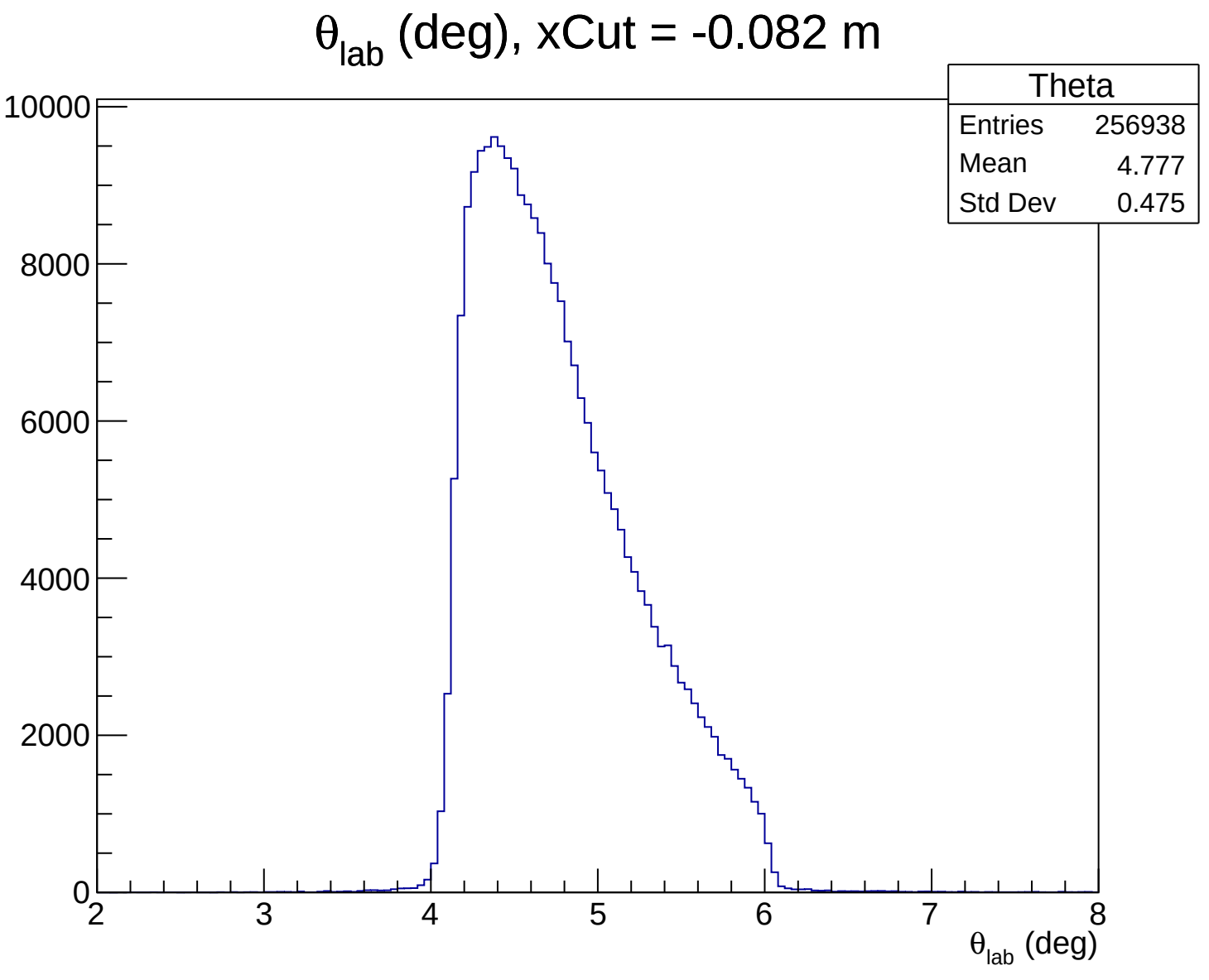

Sensitivity, xCut = -0.080 m
sens
Entries 254332
Mean 0.02212
Std Dev 0.004067
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

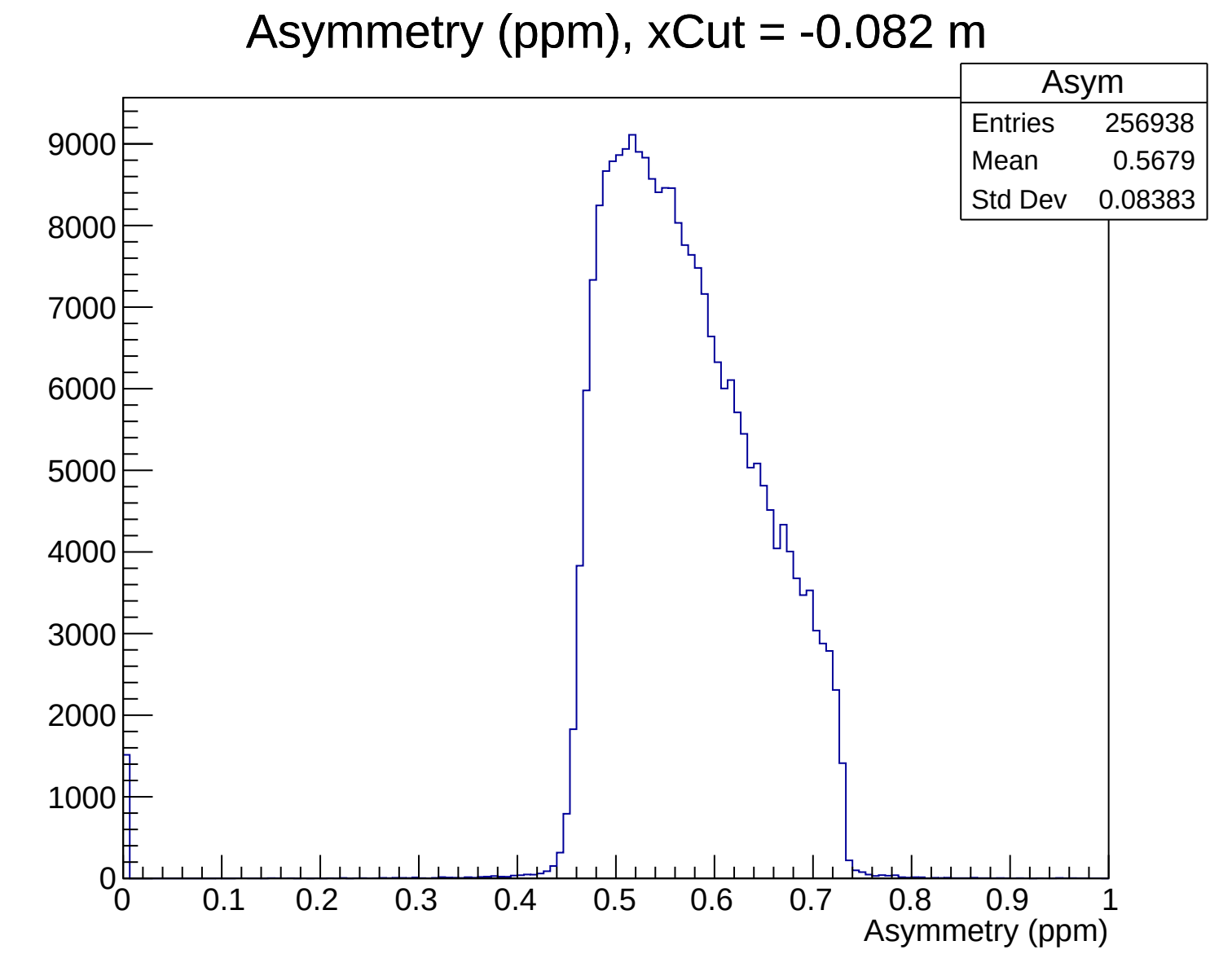

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

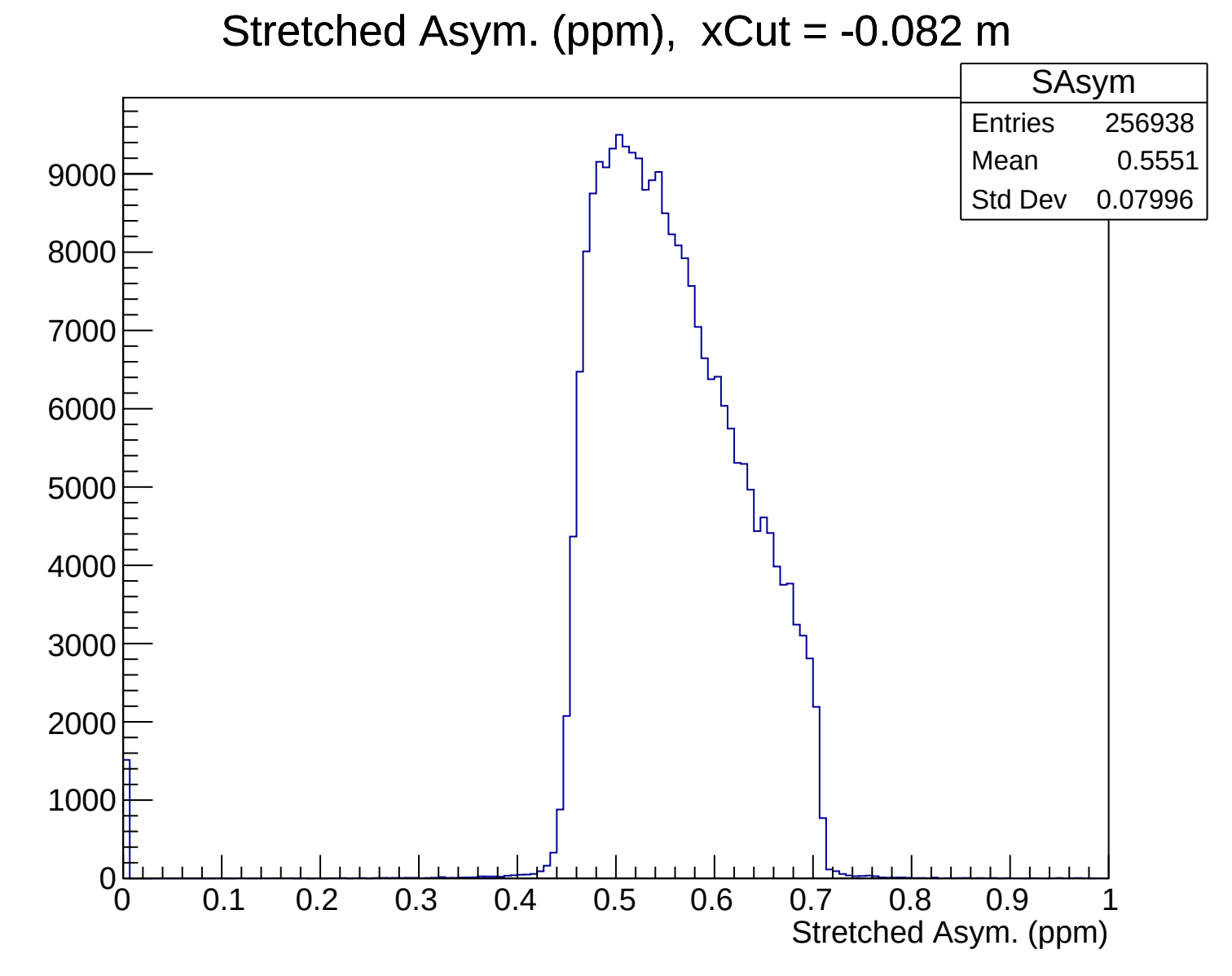

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

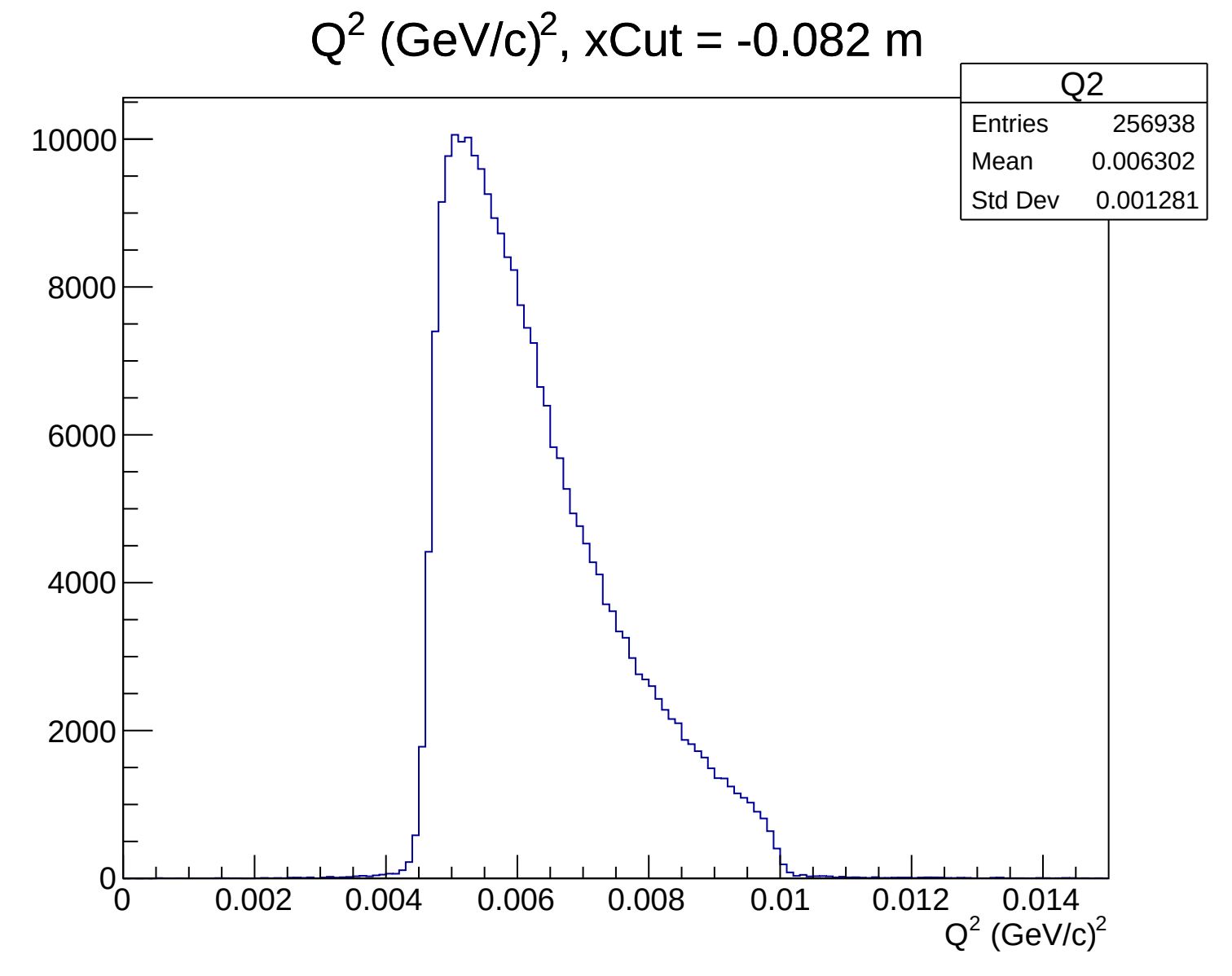

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.082
L.tr.x[0]+1.3*L.tr.th[0] (m)

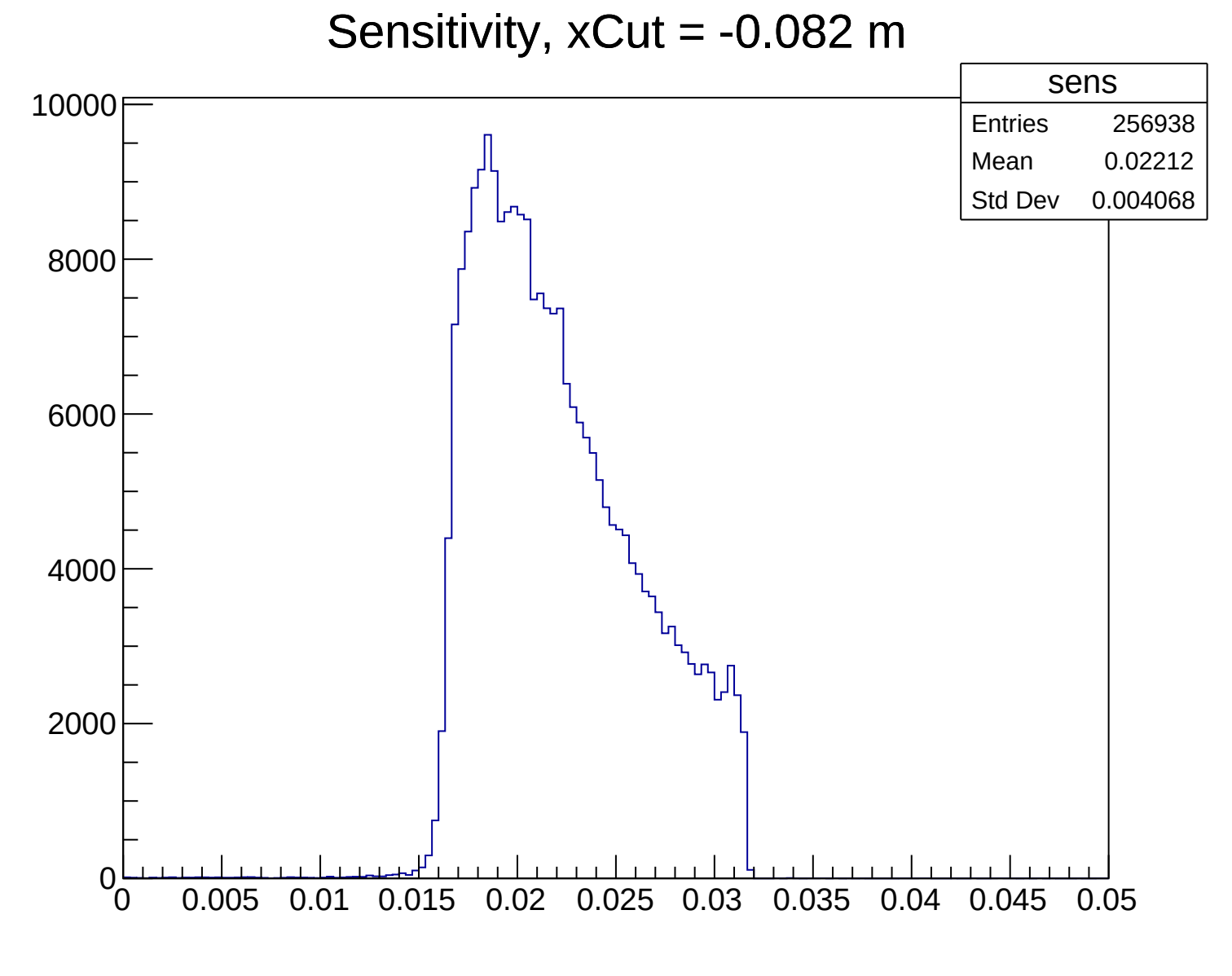

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

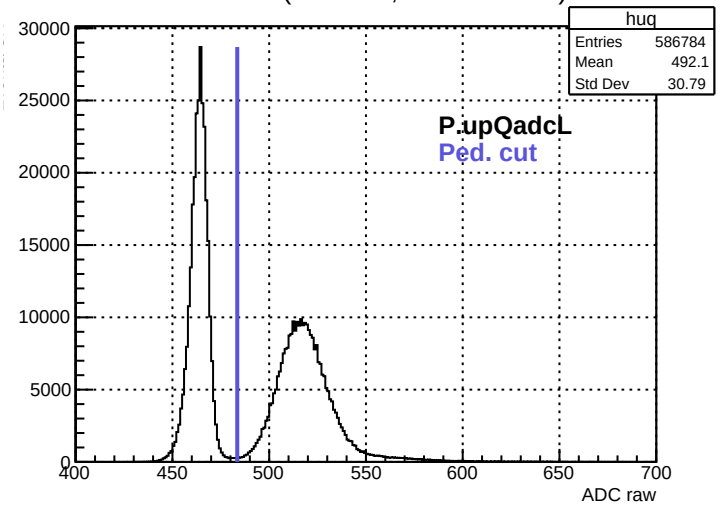

θlab (deg), xCut = -0.082 m
Theta
Entries 256938
Mean 4.777
Std Dev 0.475
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

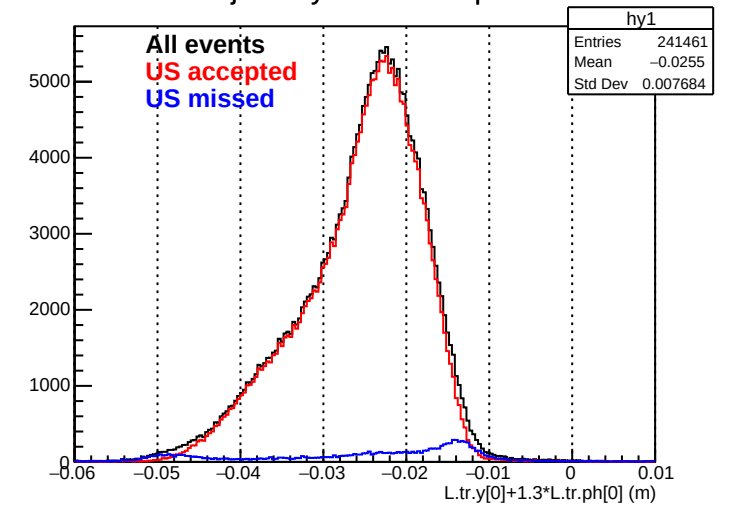

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 256938
Mean 0.5679
Std Dev 0.08383
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

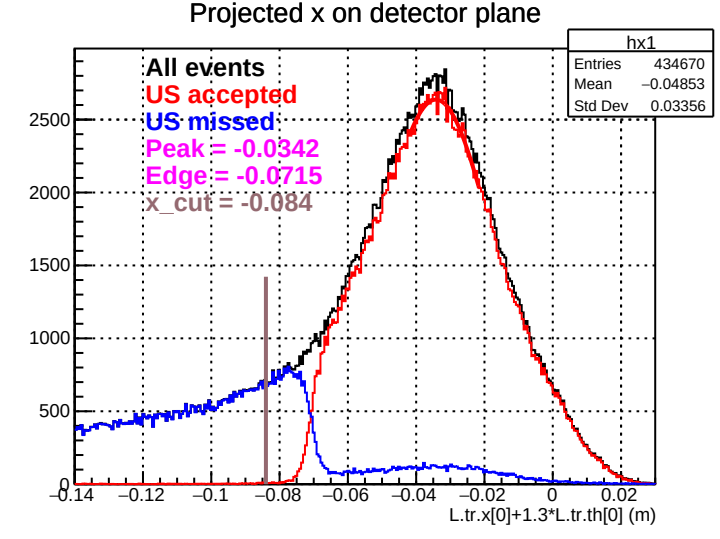

Stretched Asym. (ppm),  xCut = -0.082 m
SAsym
Entries 256938
Mean 0.5551
Std Dev 0.07996
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

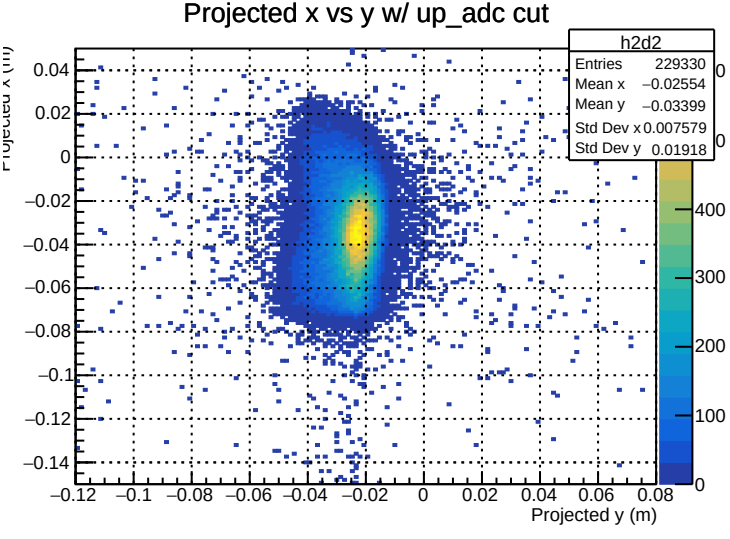

$Q^2$ (GeV/c)$^2$, xCut = -0.082 m
Q2
Entries 256938
Mean 0.006302
Std Dev 0.001281
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

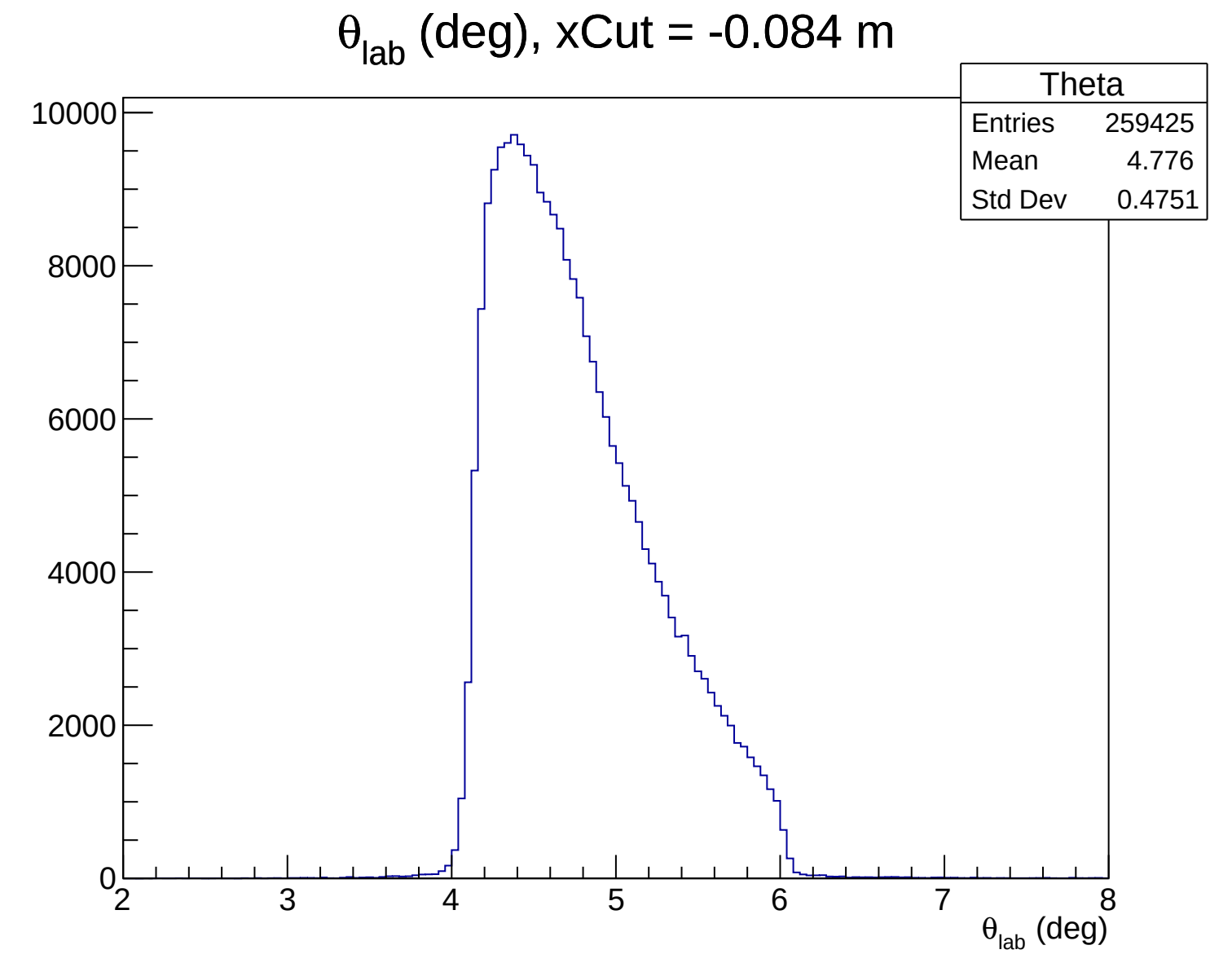

Sensitivity, xCut = -0.082 m
sens
Entries 256938
Mean 0.02212
Std Dev 0.004068
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

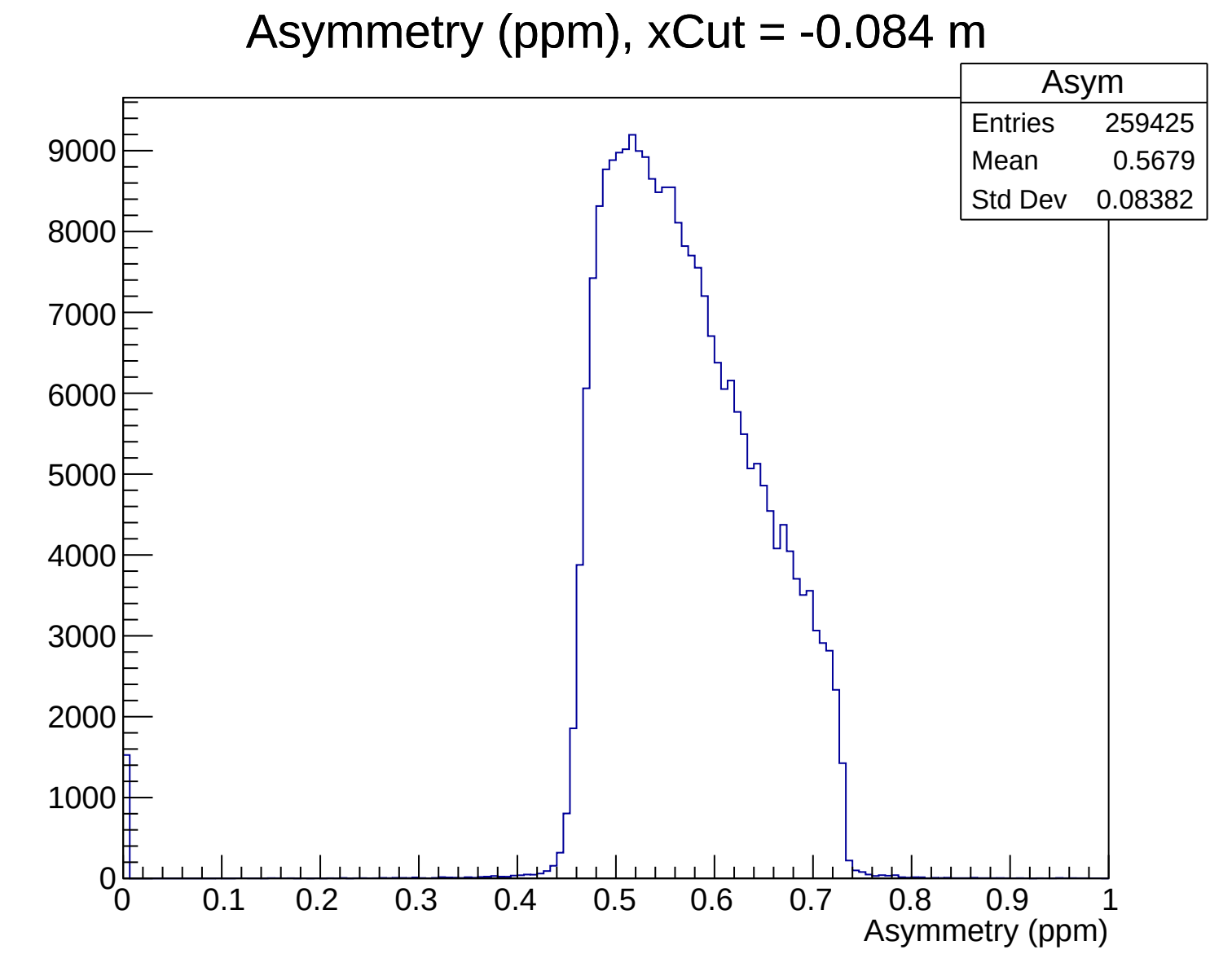

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

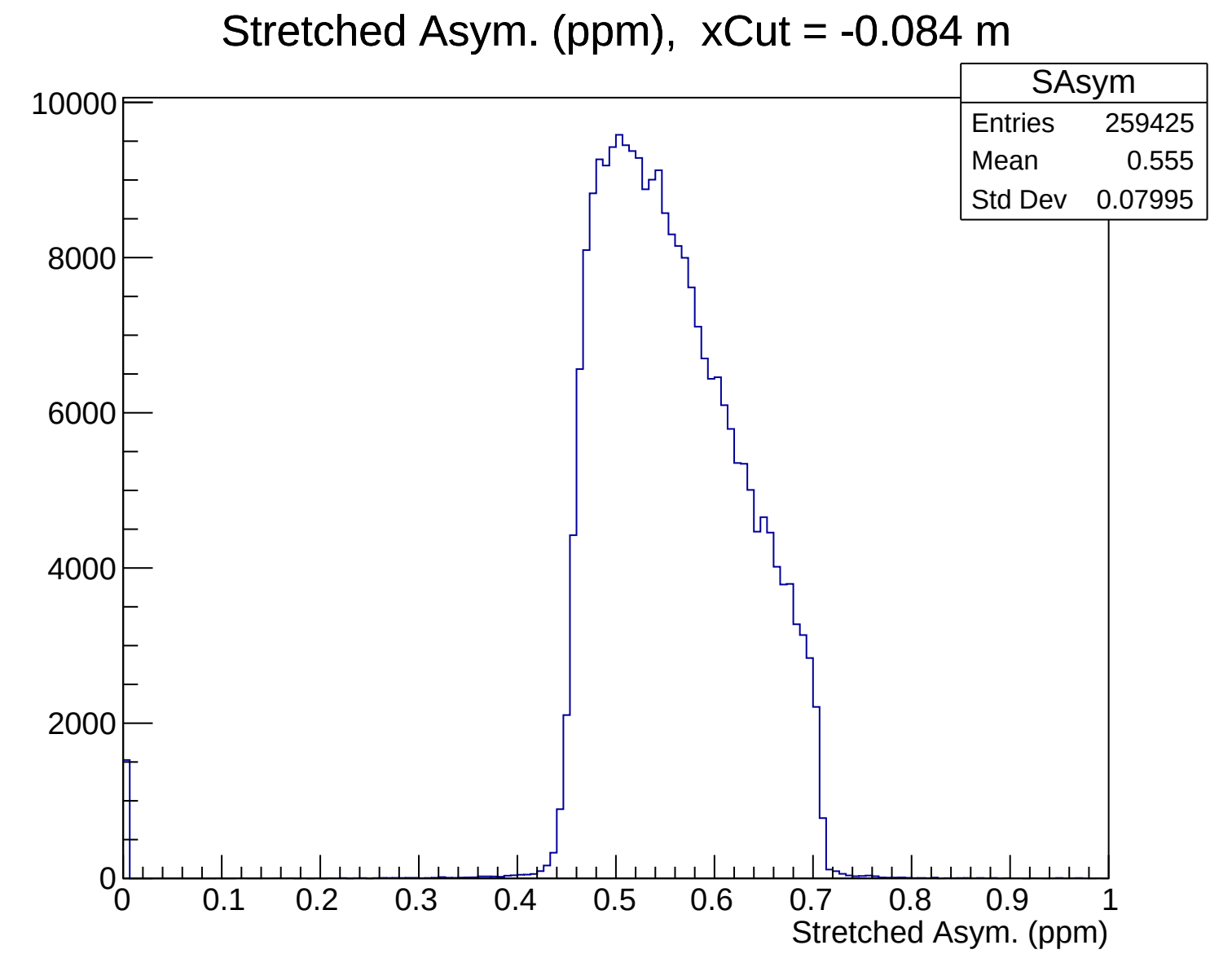

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

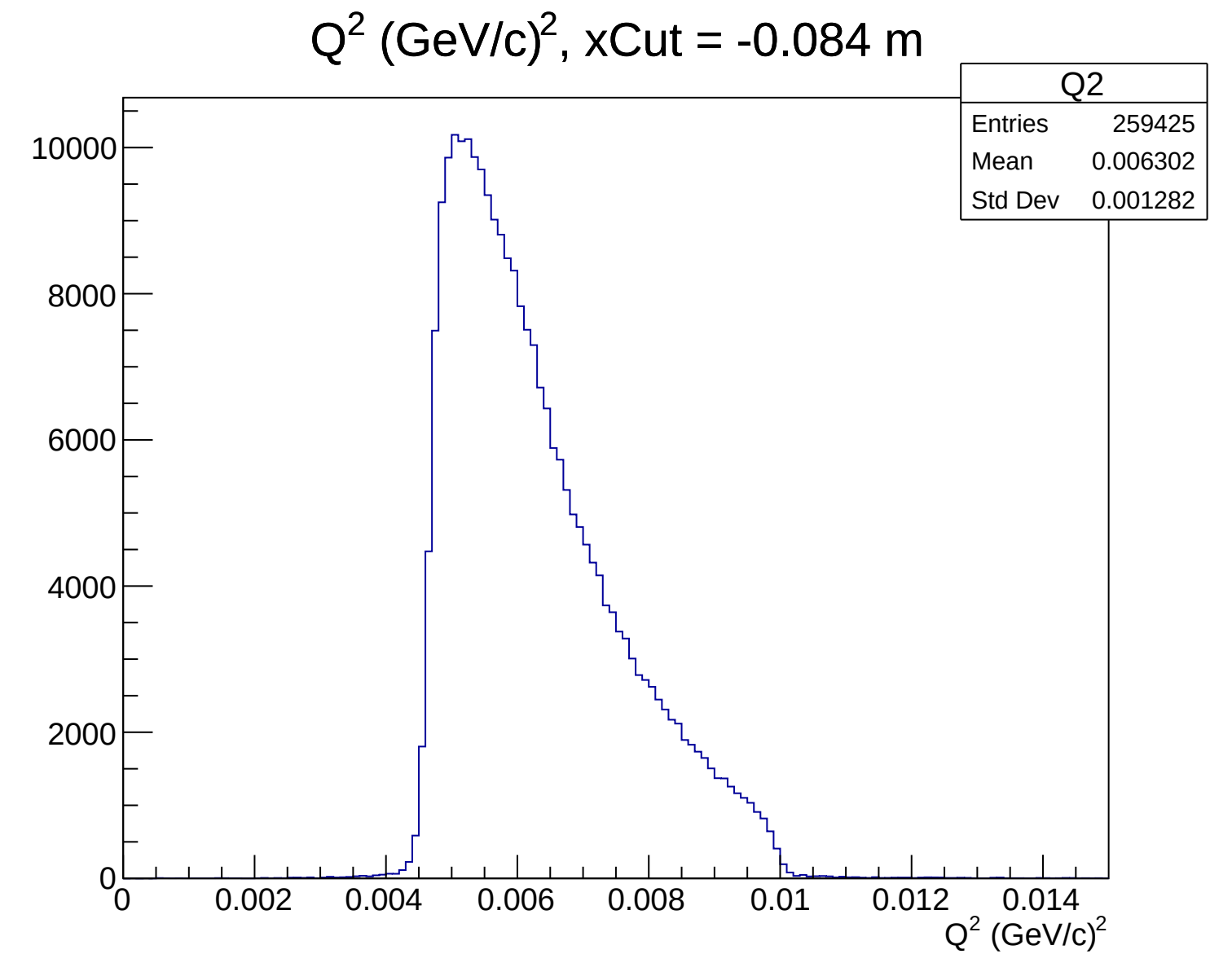

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

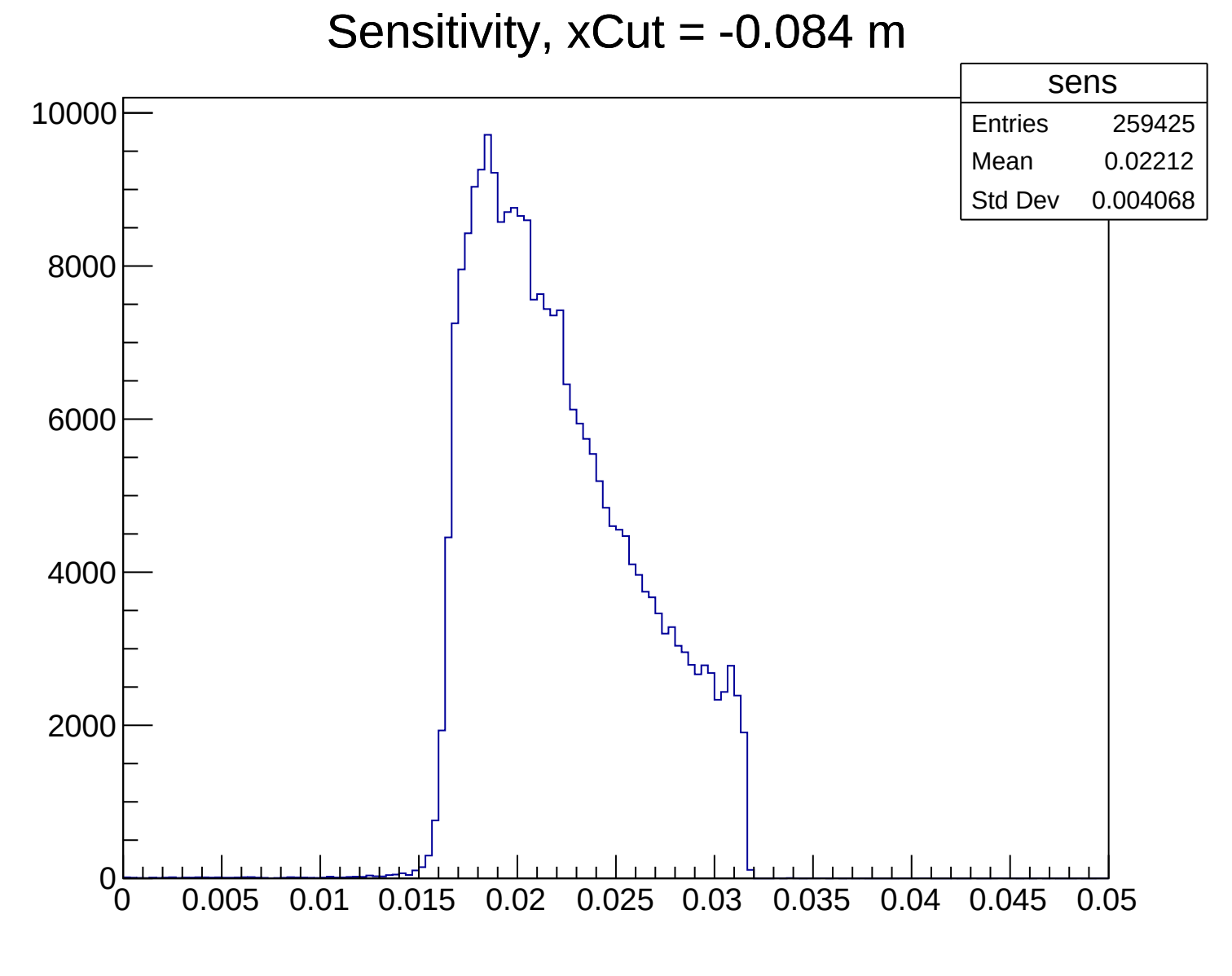

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

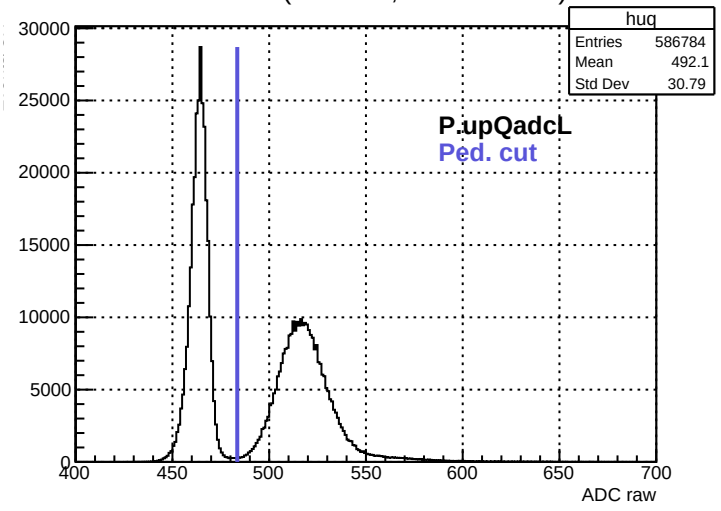

θlab (deg), xCut = -0.084 m
Theta
Entries 259425
Mean 4.776
Std Dev 0.4751
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

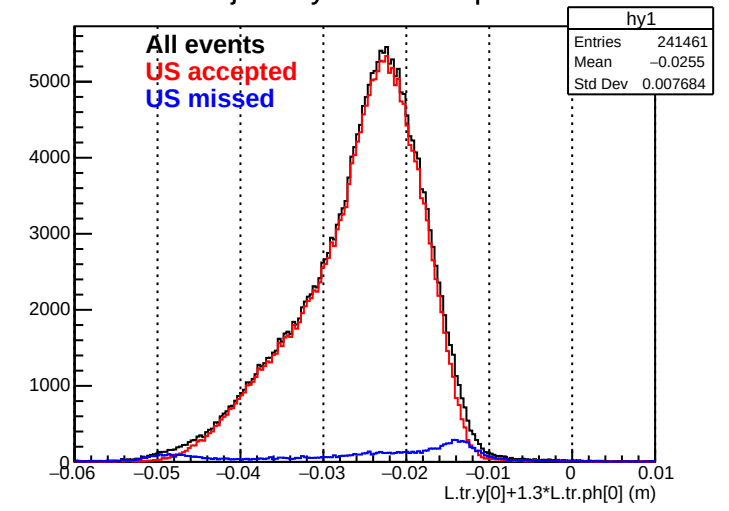

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 259425
Mean 0.5679
Std Dev 0.08382
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

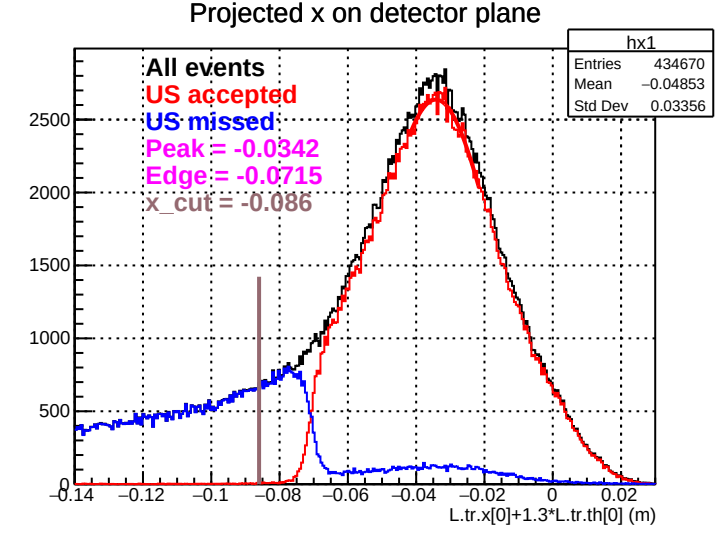

Stretched Asym. (ppm),  xCut = -0.084 m
SAsym
Entries 259425
Mean 0.555
Std Dev 0.07995
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

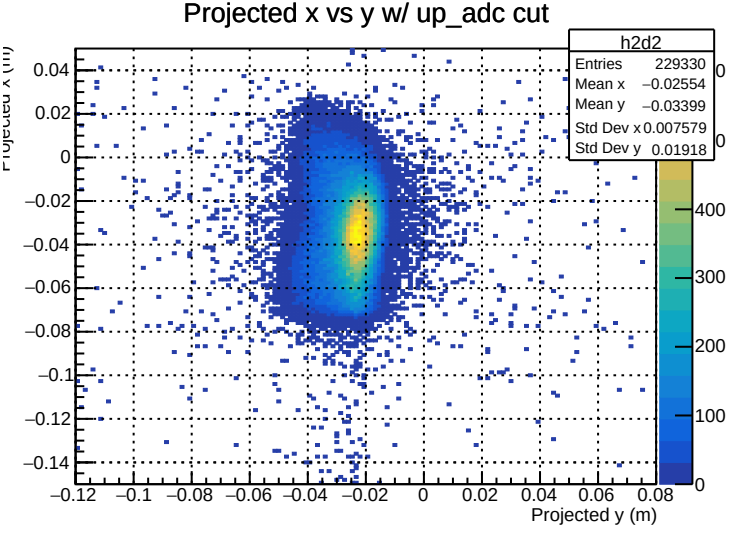

$Q^2$ (GeV/c)$^2$, xCut = -0.084 m
Q2
Entries 259425
Mean 0.006302
Std Dev 0.001282
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

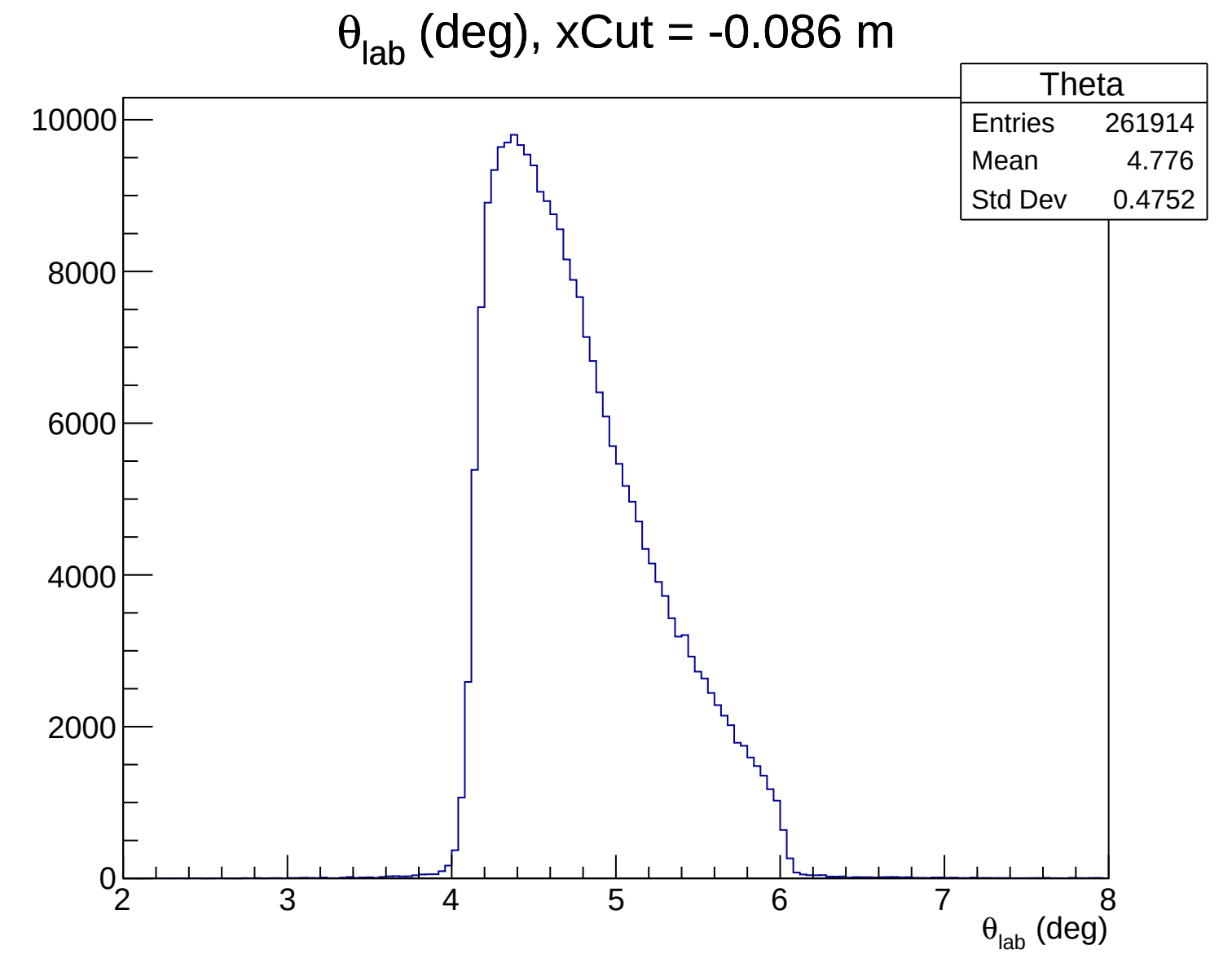

Sensitivity, xCut = -0.084 m
sens
Entries 259425
Mean 0.02212
Std Dev 0.004068
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

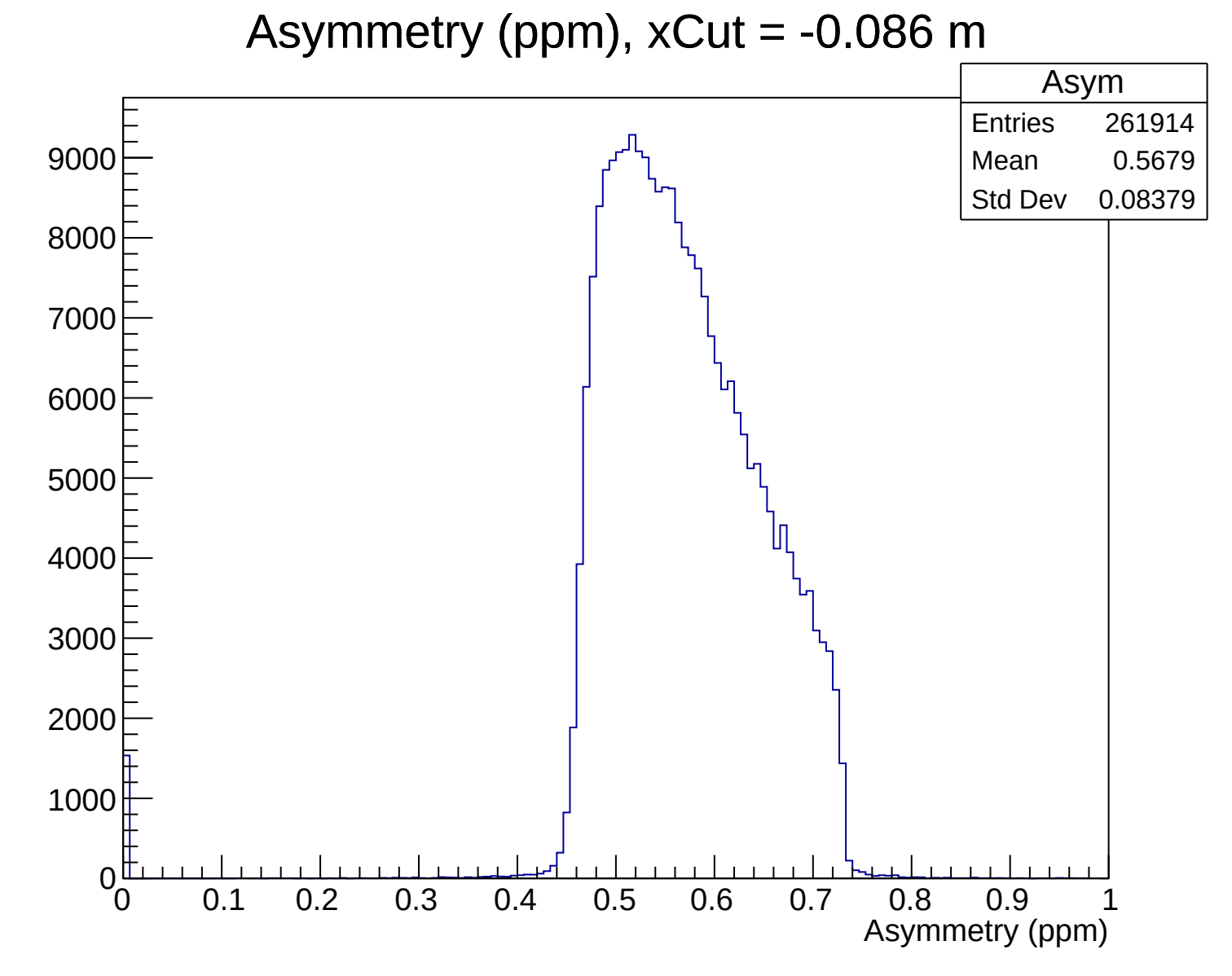

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

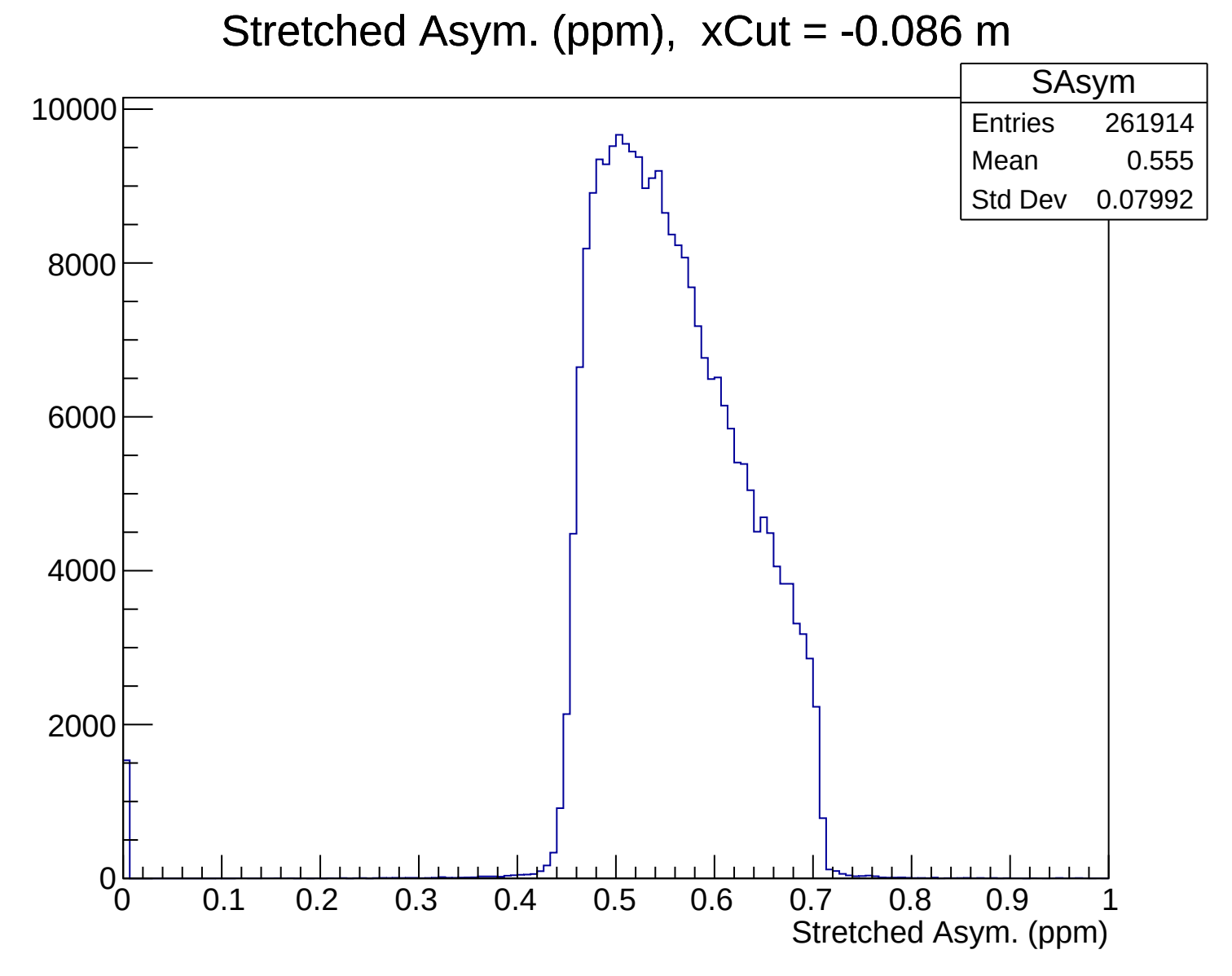

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

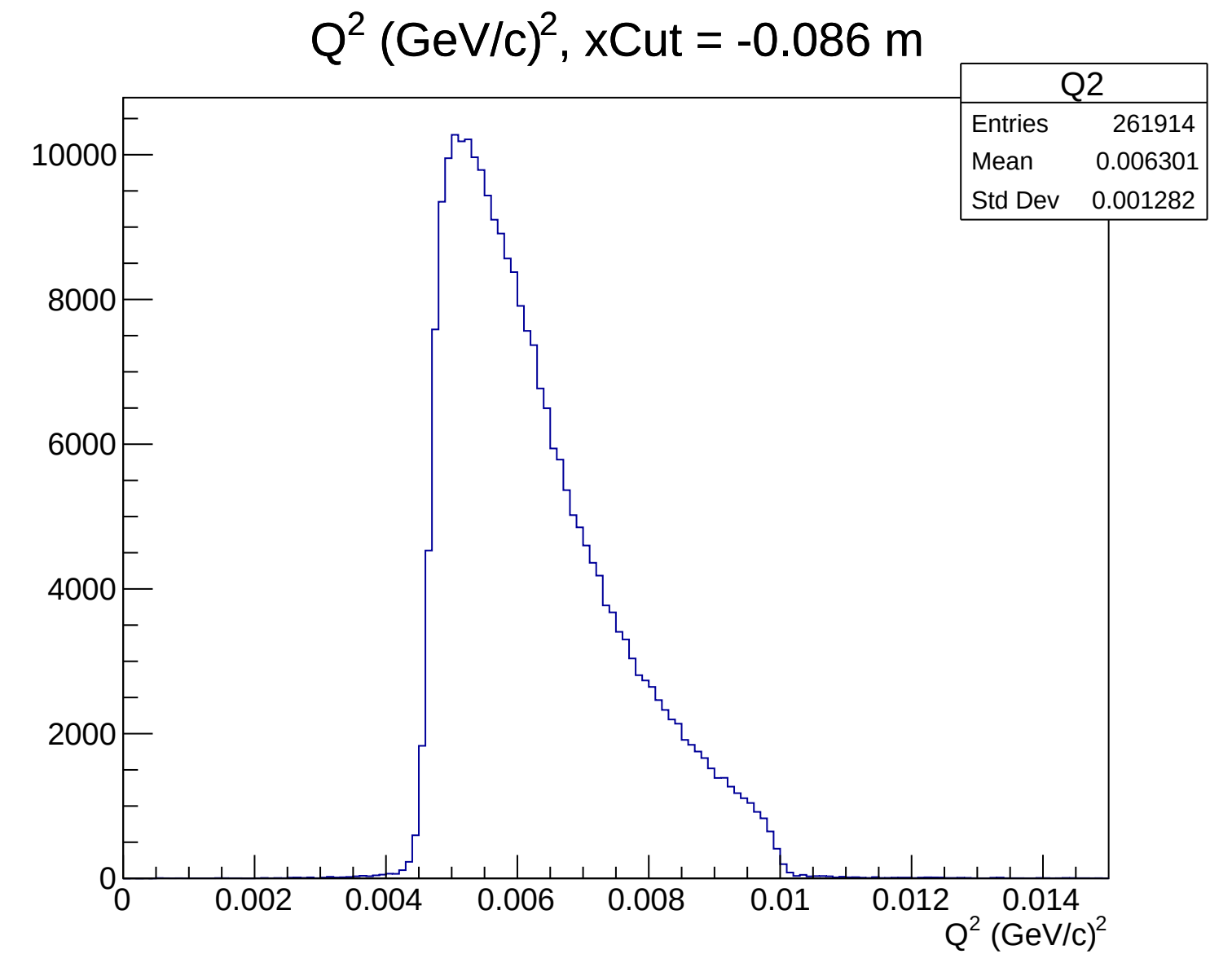

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.086
L.tr.x[0]+1.3*L.tr.th[0] (m)

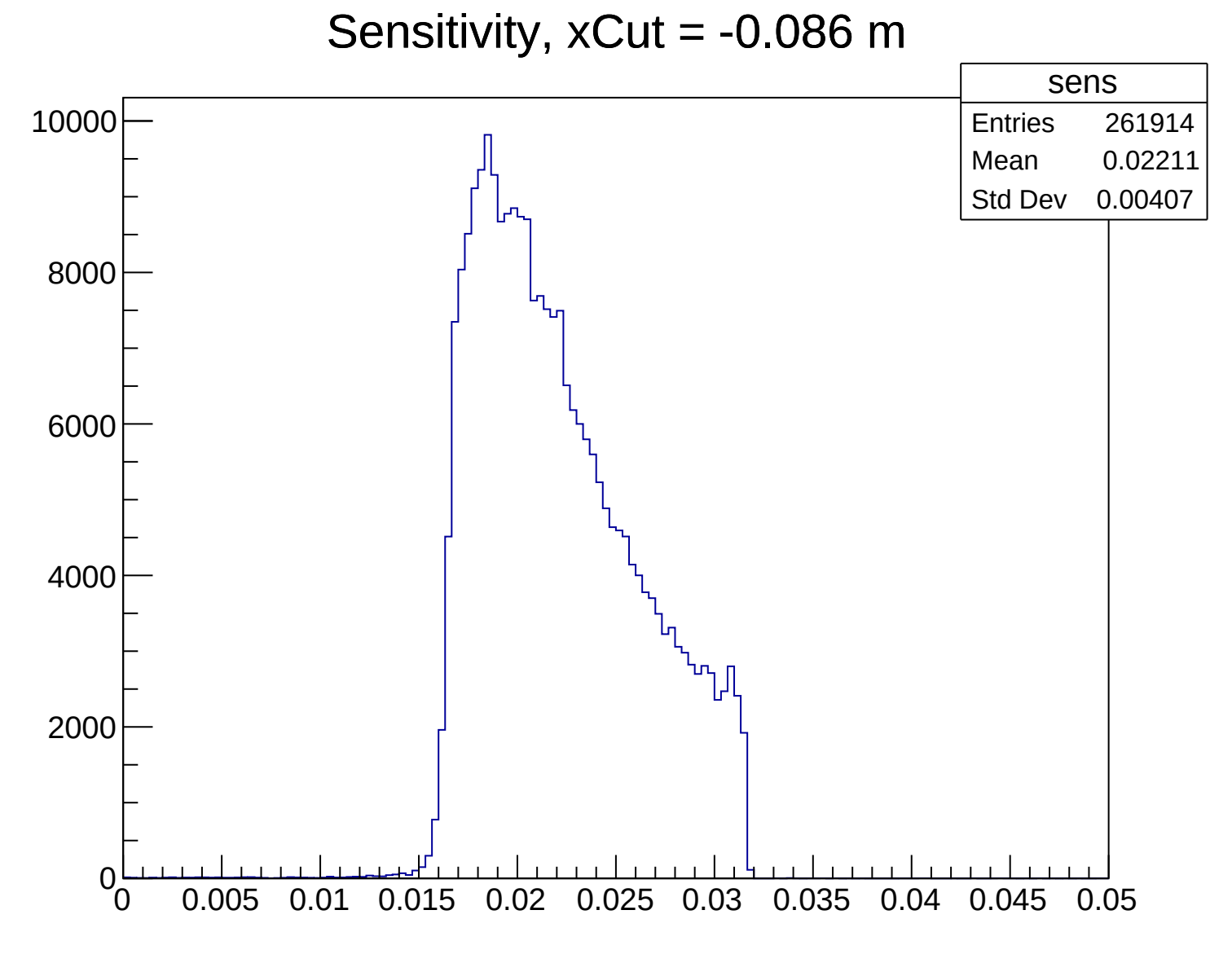

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

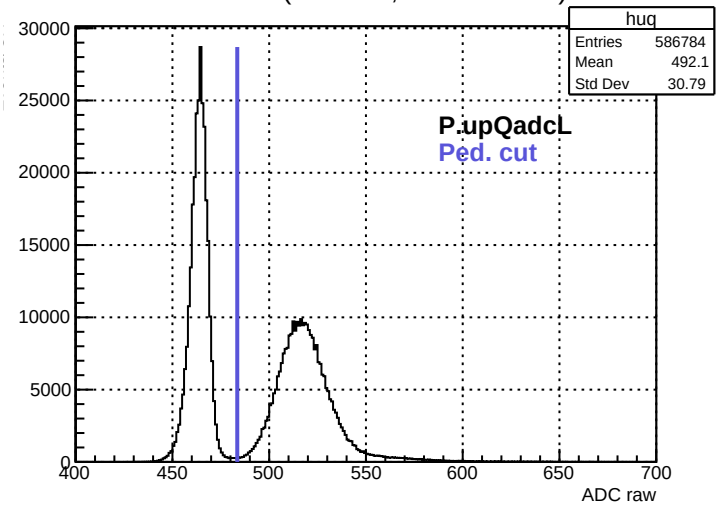

θlab (deg), xCut = -0.086 m
Theta
Entries 261914
Mean 4.776
Std Dev 0.4752
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

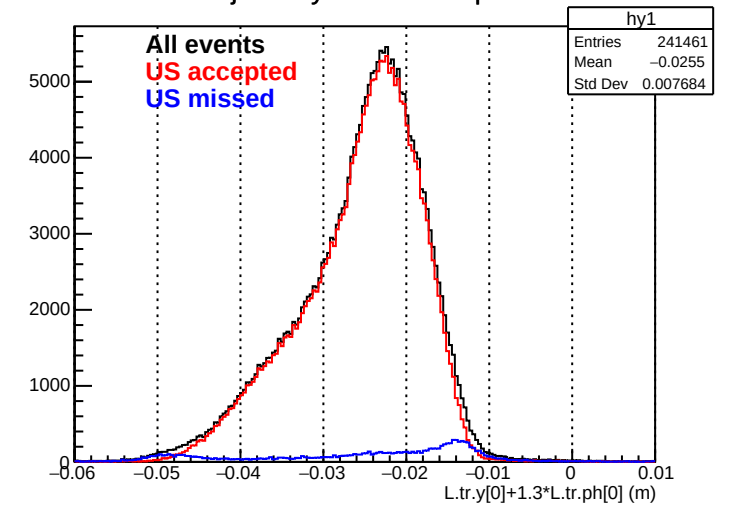

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 261914
Mean 0.5679
Std Dev 0.08379
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

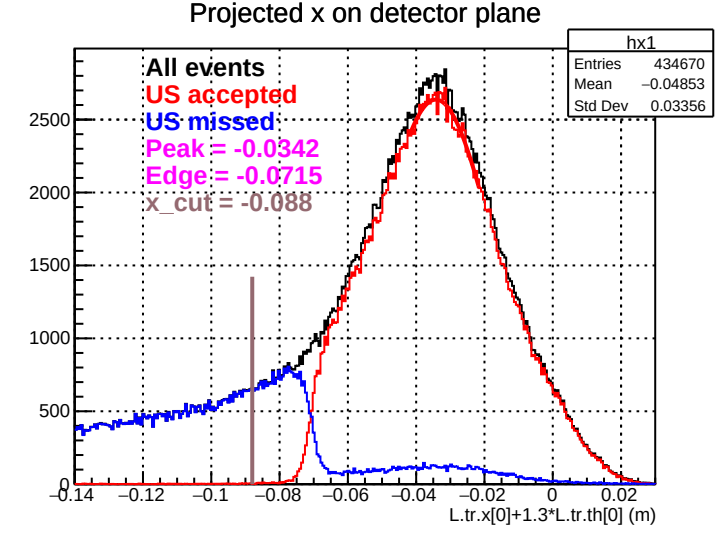

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 261914
Mean 0.555
Std Dev 0.07992
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

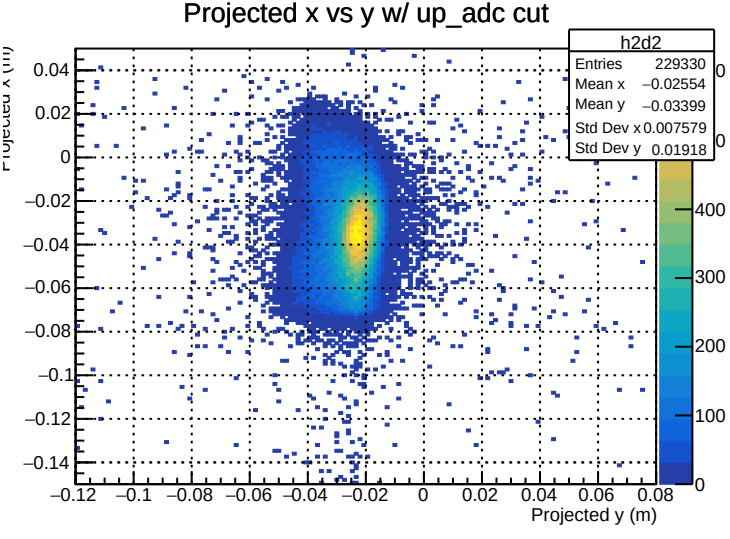

$Q^2$ (GeV/c)$^2$, xCut = -0.086 m
Q2
Entries 261914
Mean 0.006301
Std Dev 0.001282
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

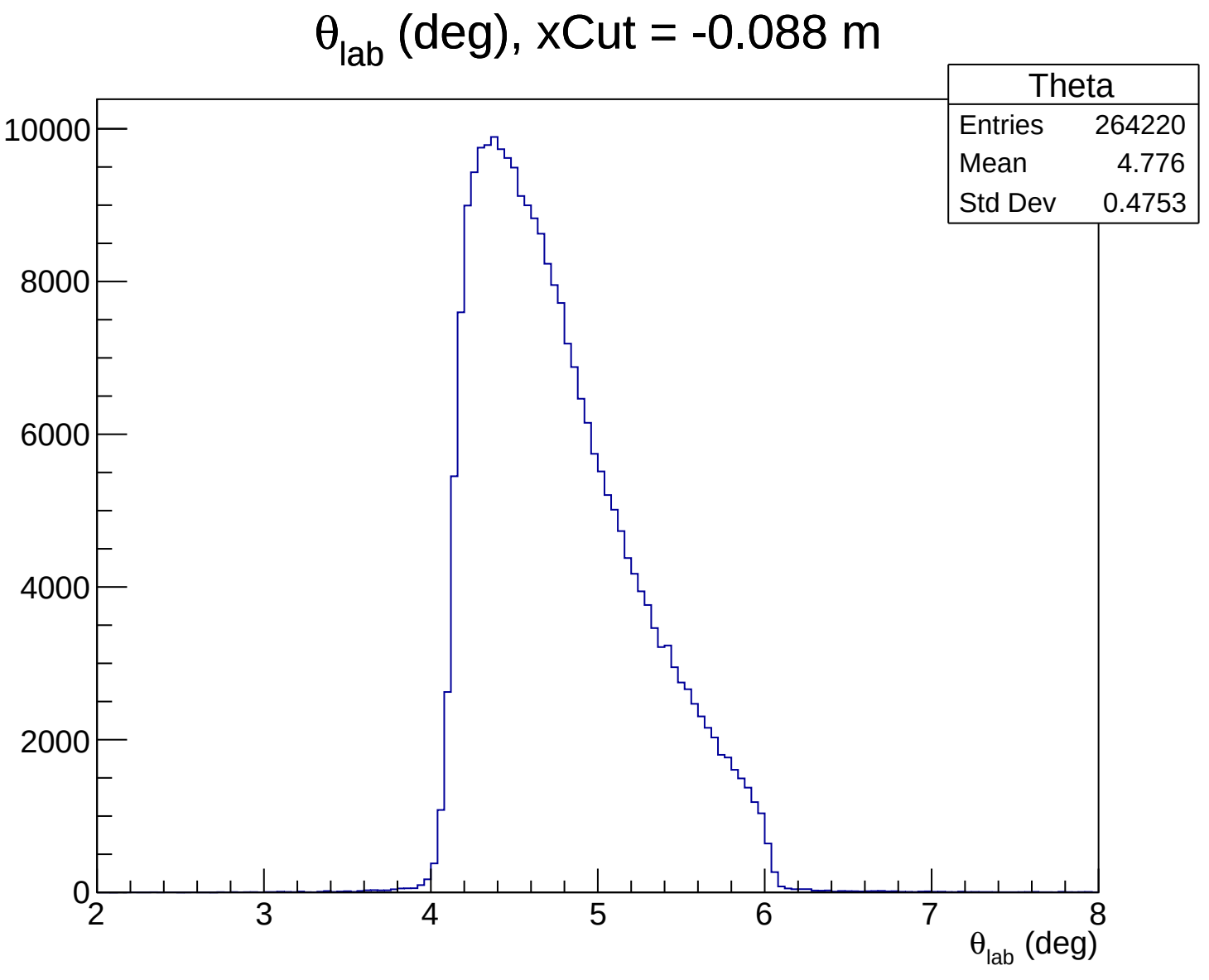

Sensitivity, xCut = -0.086 m
sens
Entries 261914
Mean 0.02211
Std Dev 0.00407
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

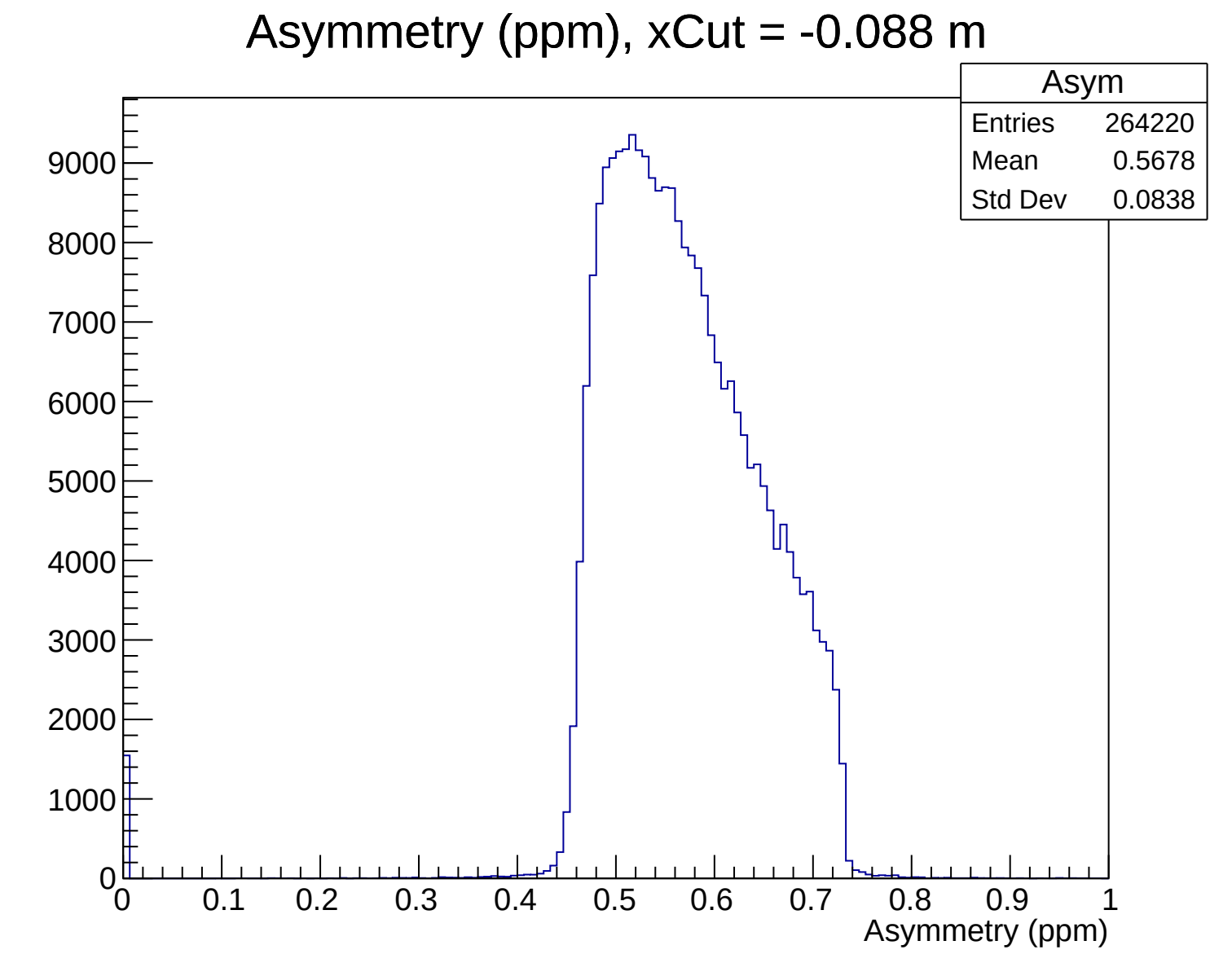

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

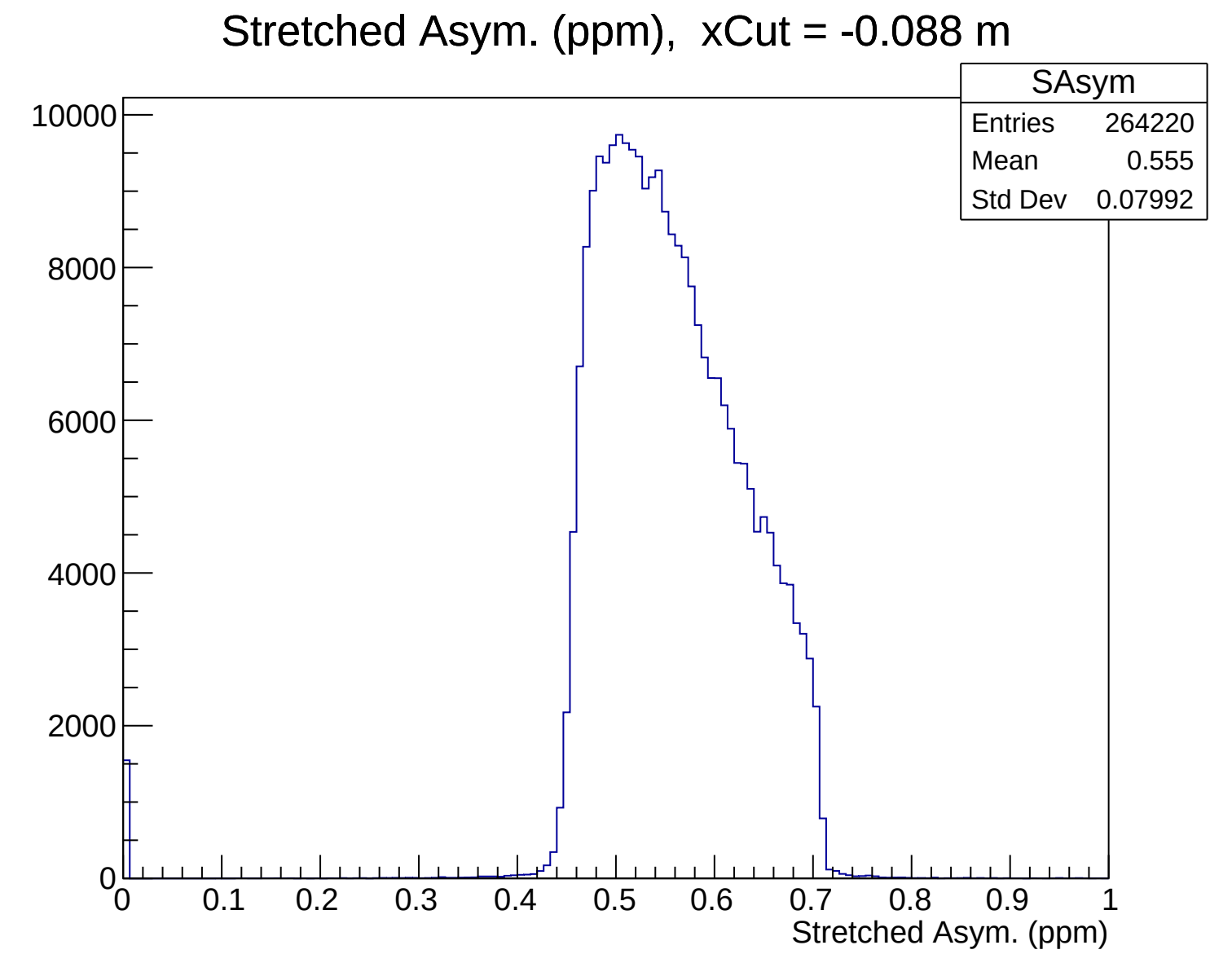

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

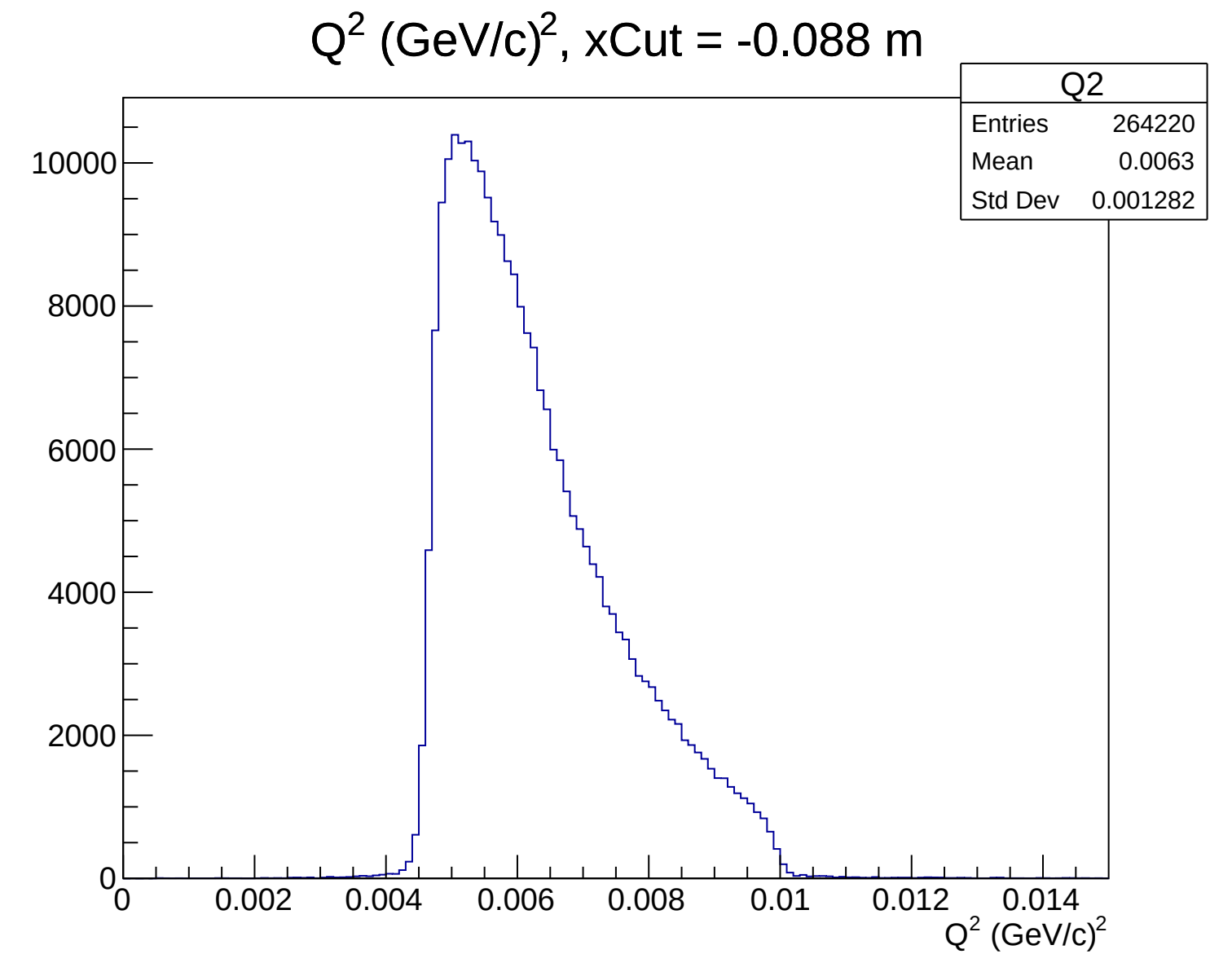

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

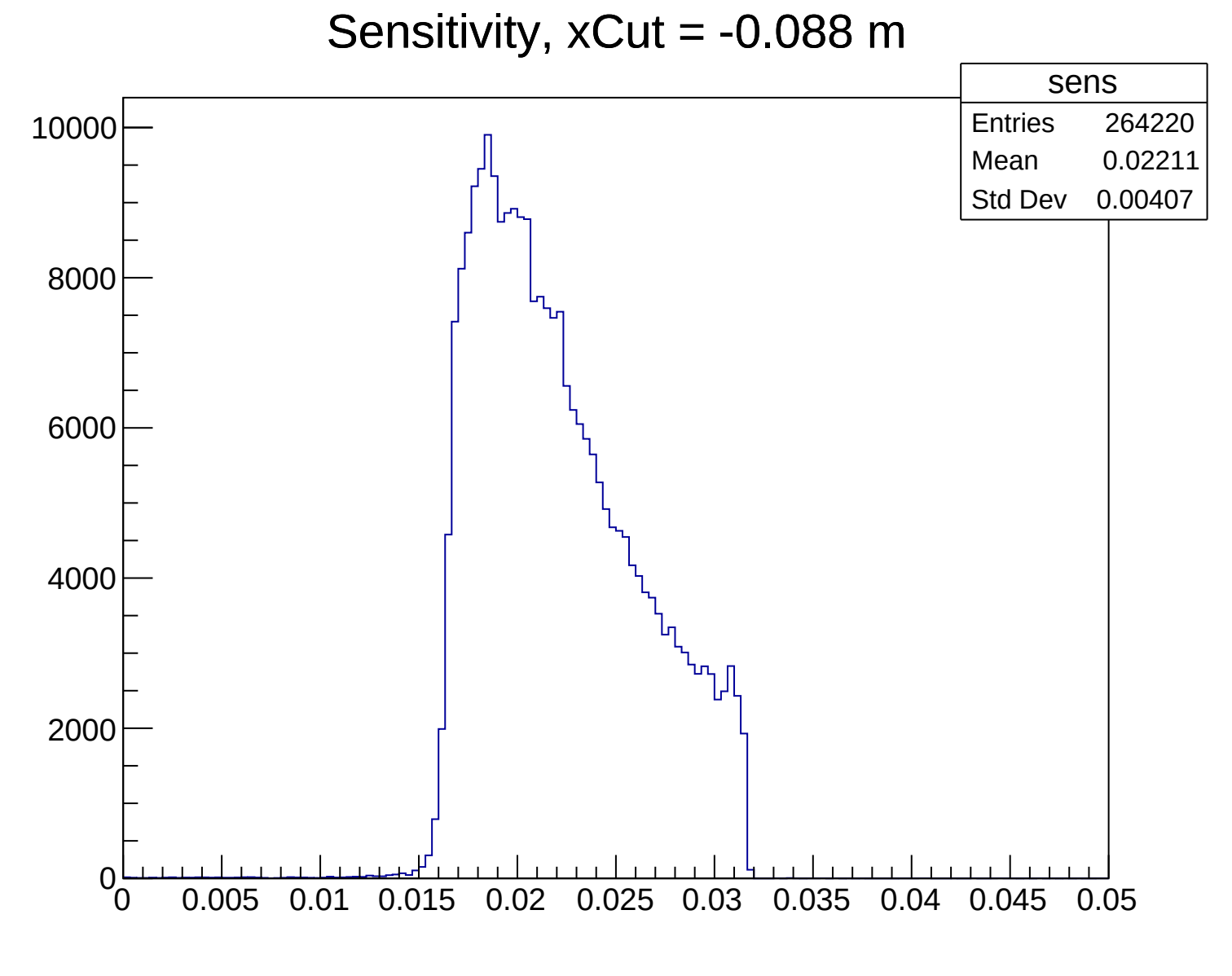

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

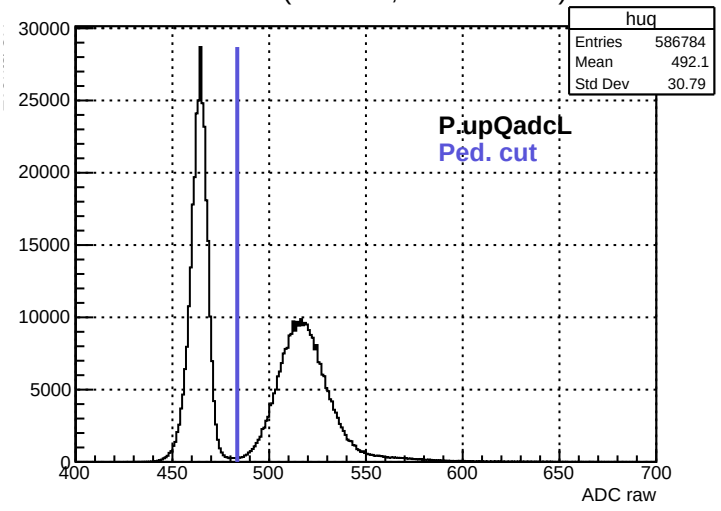

θlab (deg), xCut = -0.088 m
Theta
Entries 264220
Mean 4.776
Std Dev 0.4753
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

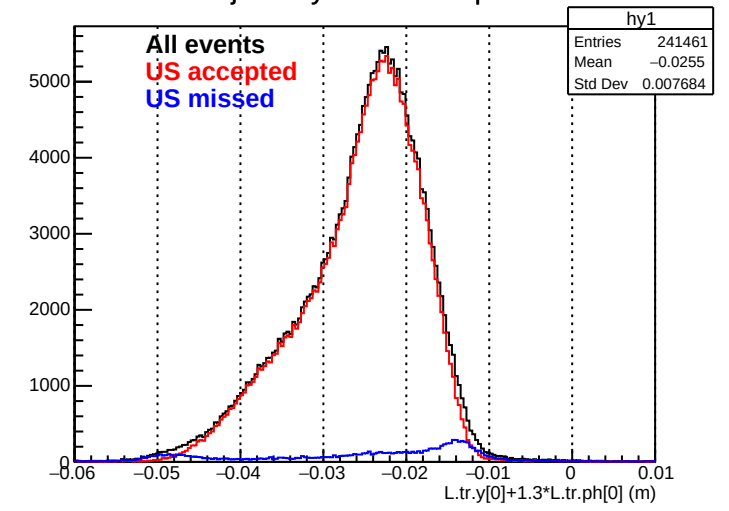

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 264220
Mean 0.5678
Std Dev 0.0838
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

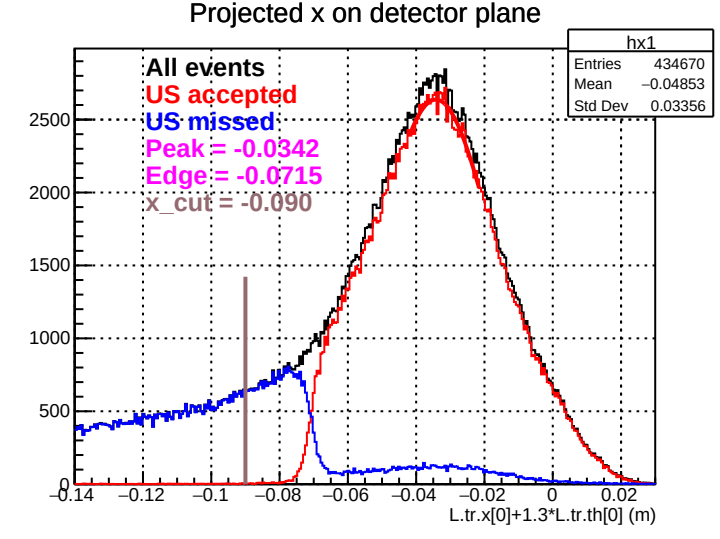

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 264220
Mean 0.555
Std Dev 0.07992
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

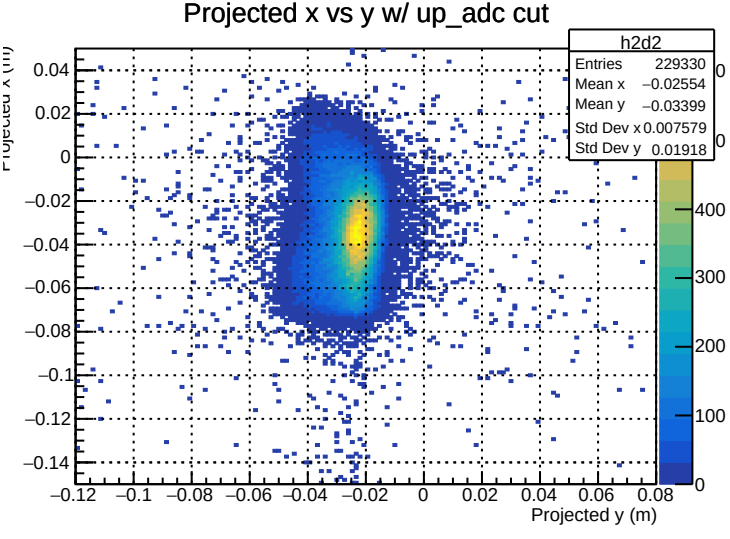

$Q^2$ (GeV/c)$^2$, xCut = -0.088 m
Q2
Entries 264220
Mean 0.0063
Std Dev 0.001282
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

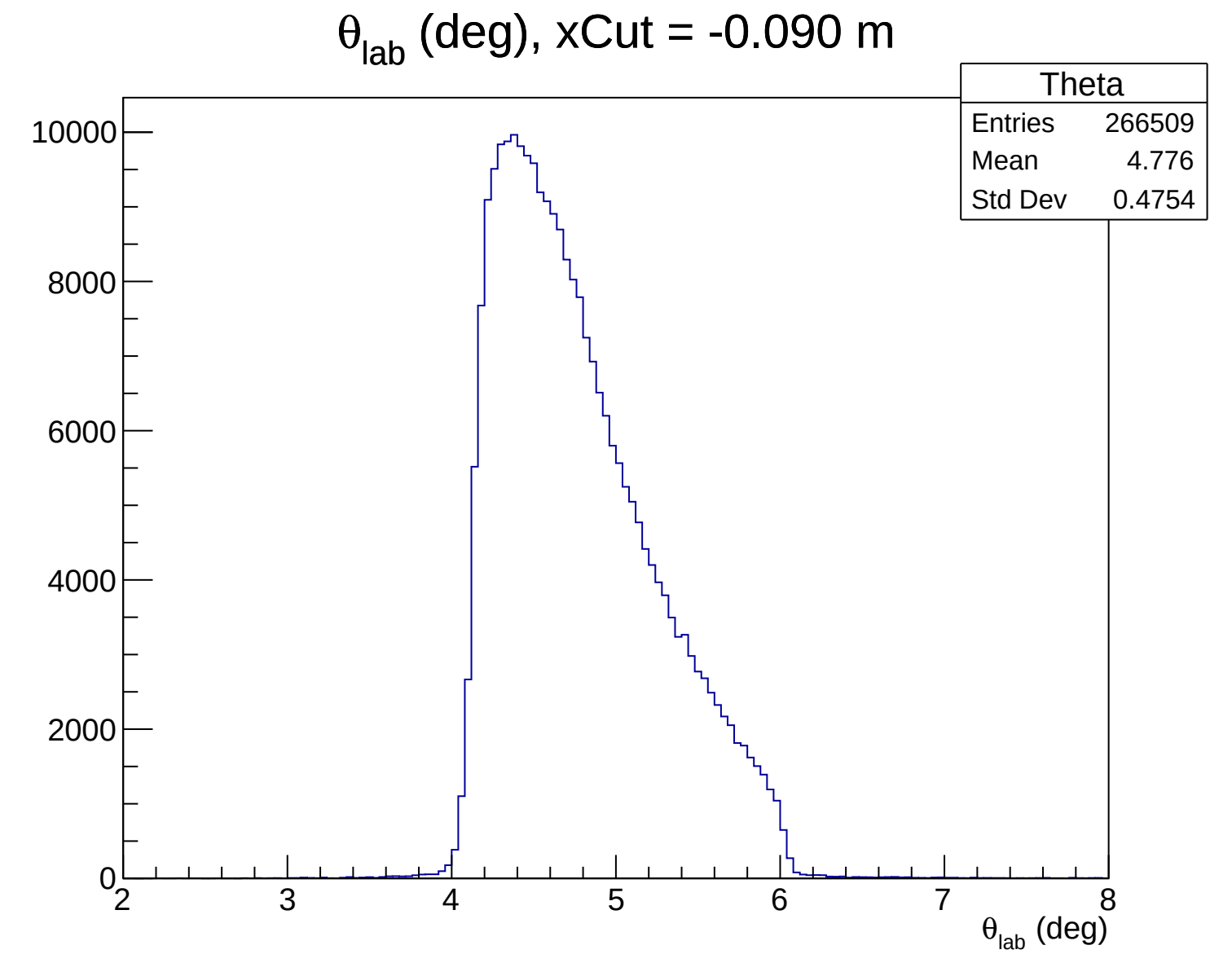

Sensitivity, xCut = -0.088 m
sens
Entries 264220
Mean 0.02211
Std Dev 0.00407
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

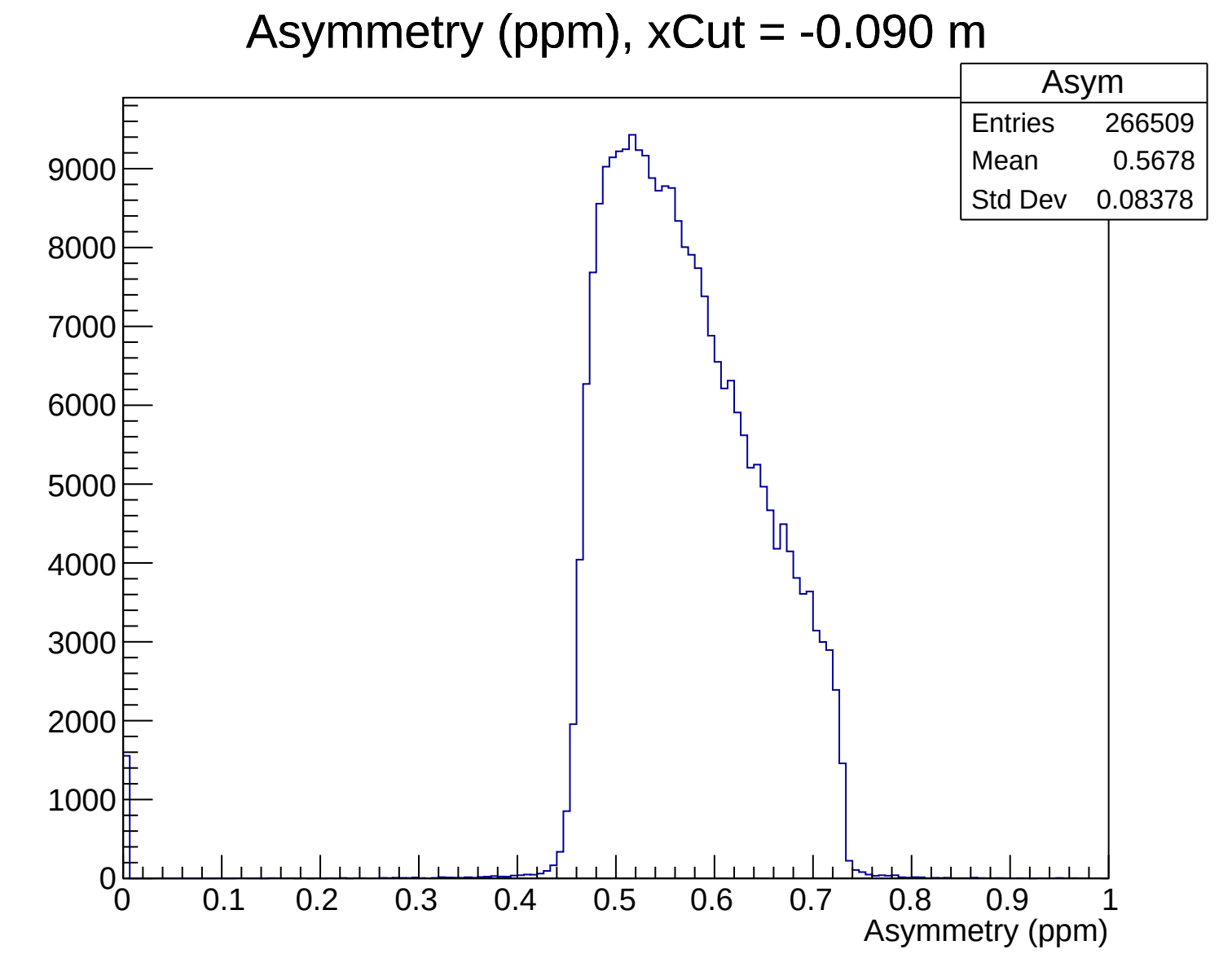

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

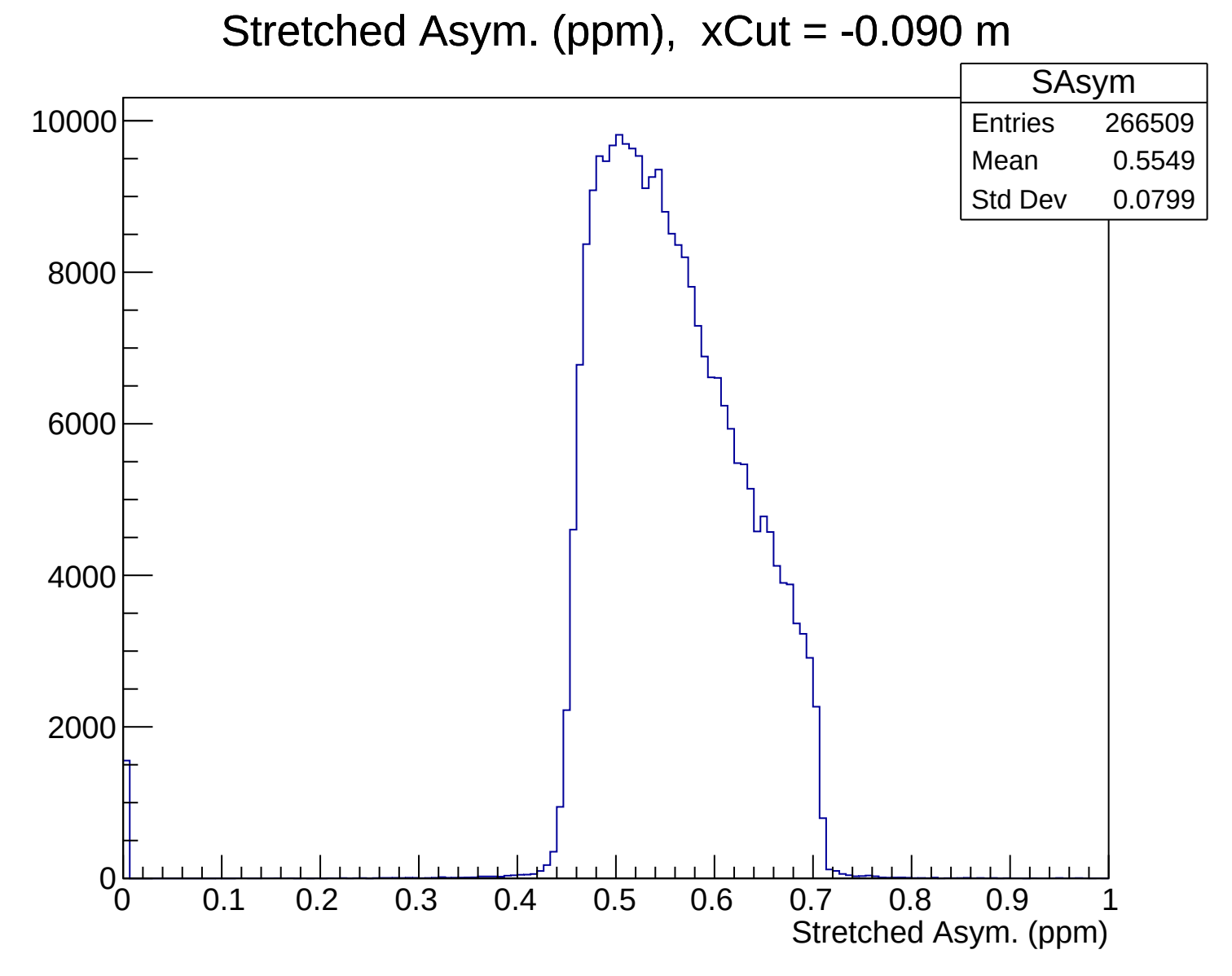

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

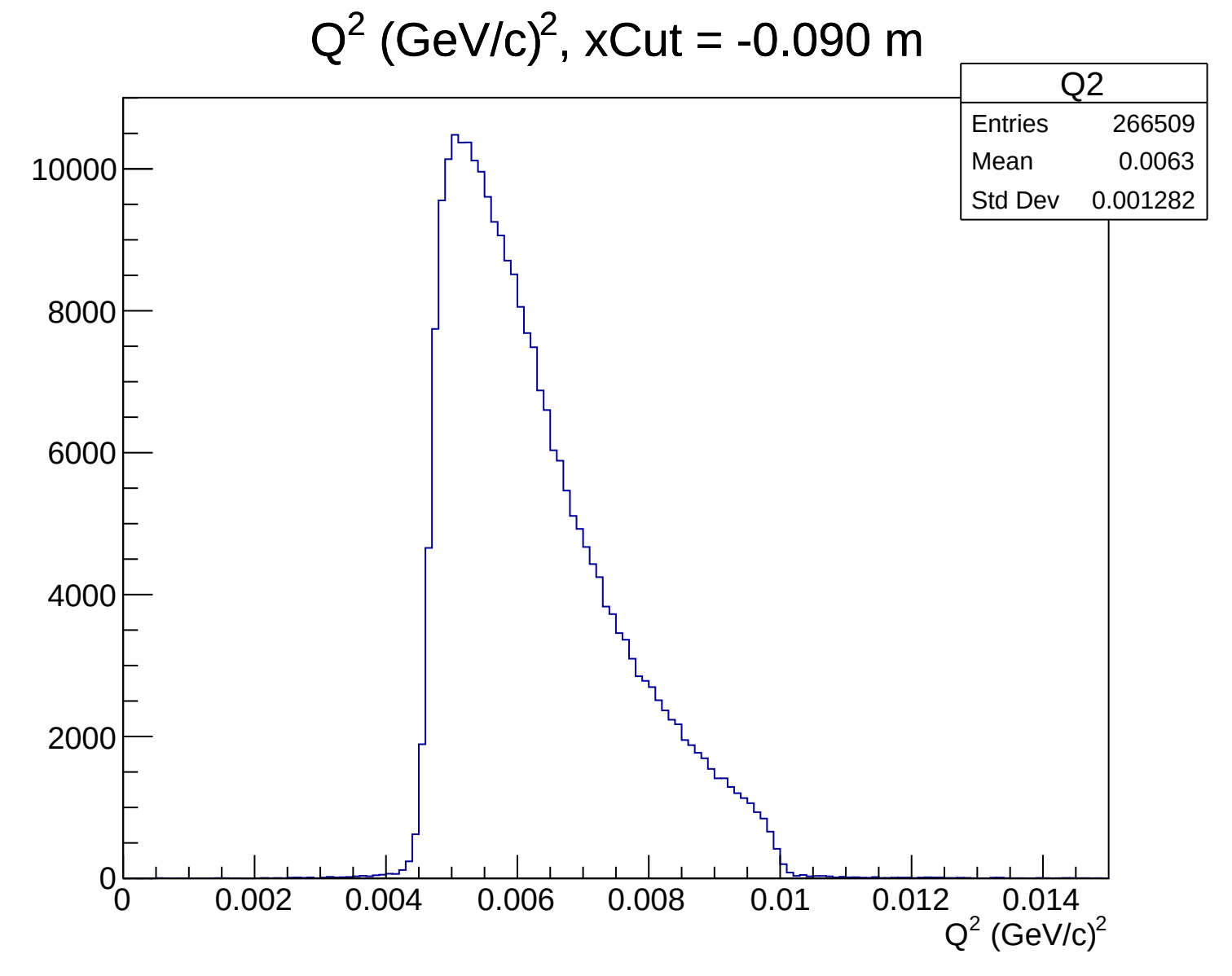

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

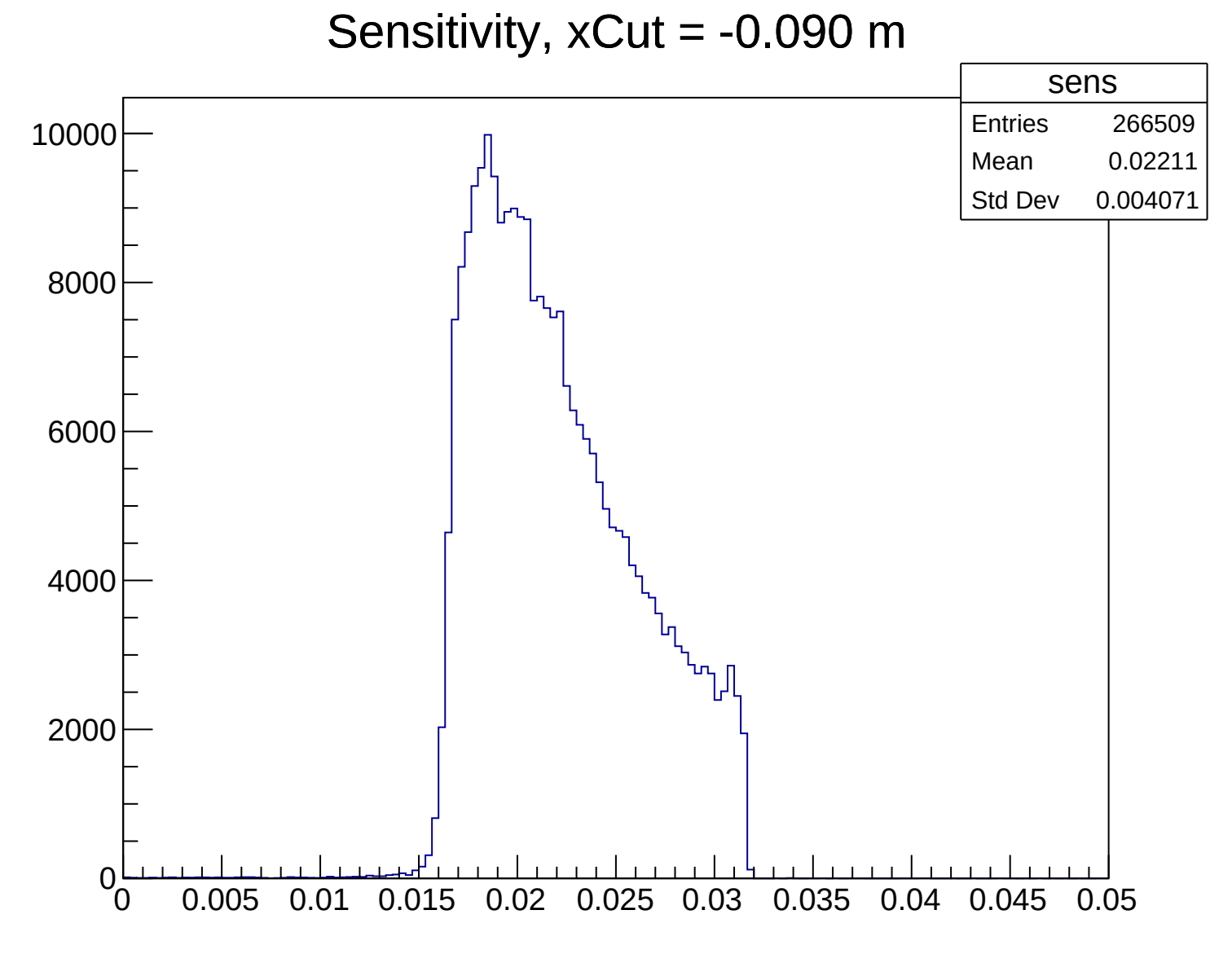

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

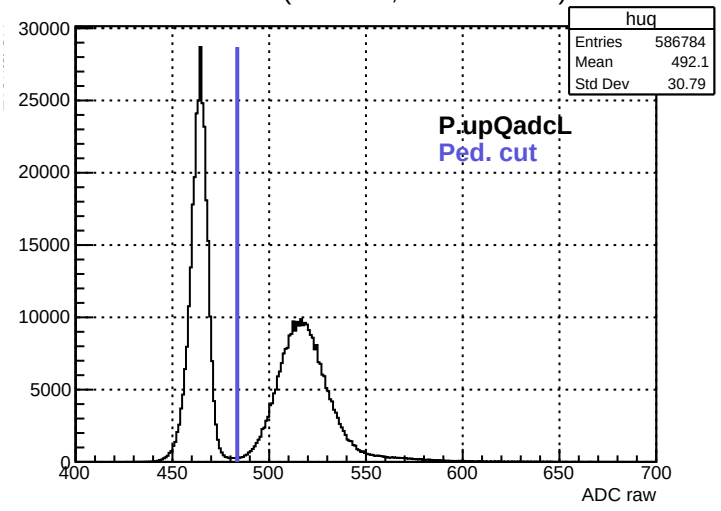

θlab (deg), xCut = -0.090 m
Theta
Entries 266509
Mean 4.776
Std Dev 0.4754
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

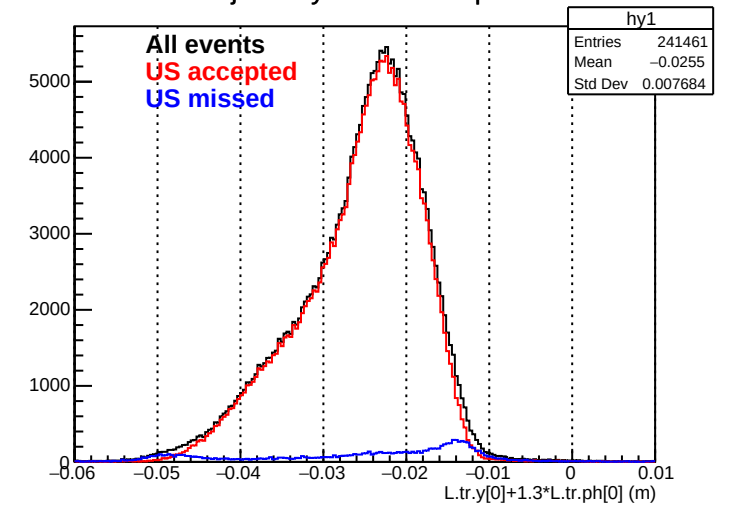

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 266509
Mean 0.5678
Std Dev 0.08378
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

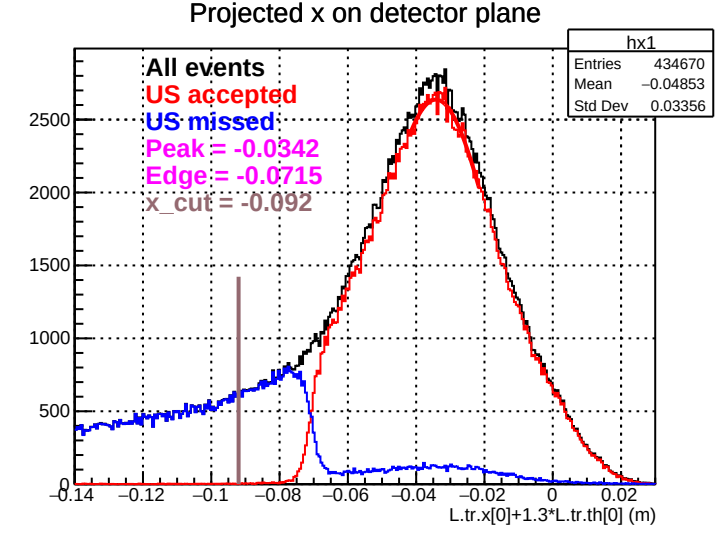

Stretched Asym. (ppm),  xCut = -0.090 m
SAsym
Entries 266509
Mean 0.5549
Std Dev 0.0799
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

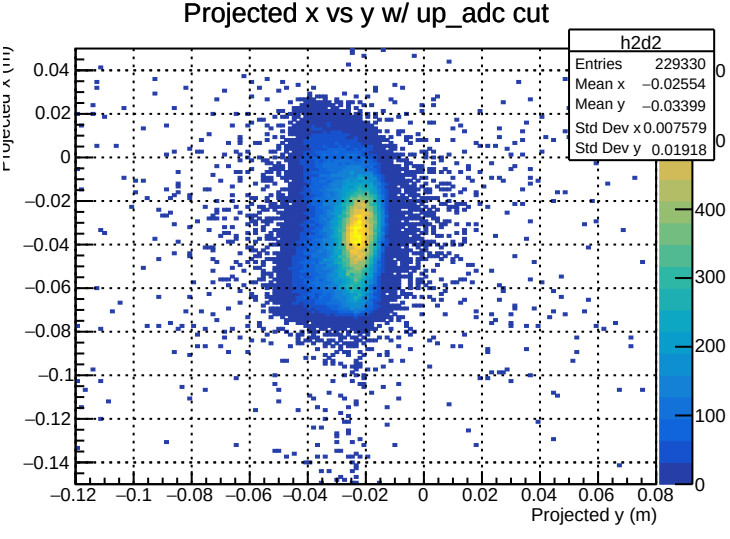

$Q^2$ (GeV/c)$^2$, xCut = -0.090 m
Q2
Entries 266509
Mean 0.0063
Std Dev 0.001282
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

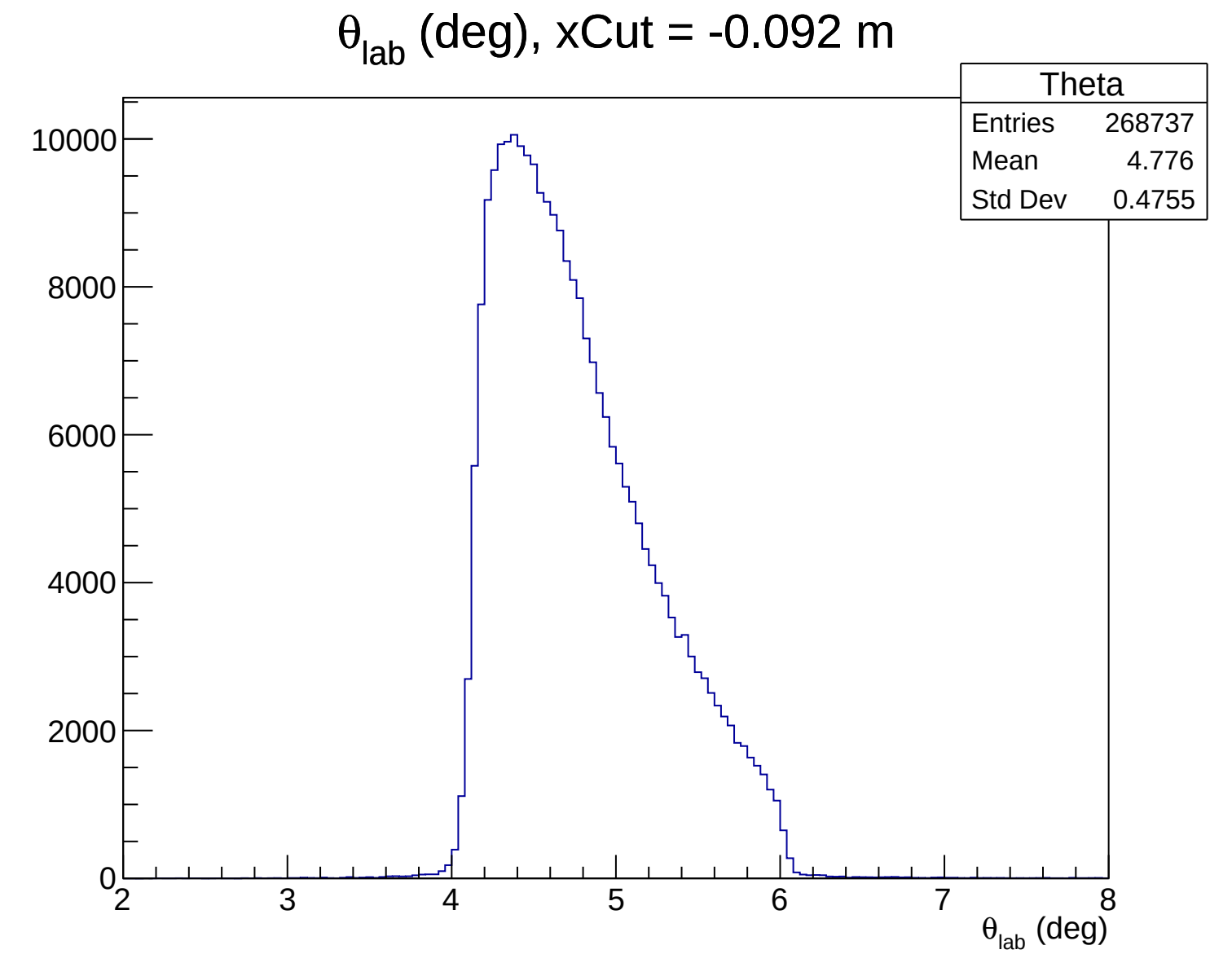

Sensitivity, xCut = -0.090 m
sens
Entries 266509
Mean 0.02211
Std Dev 0.004071
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

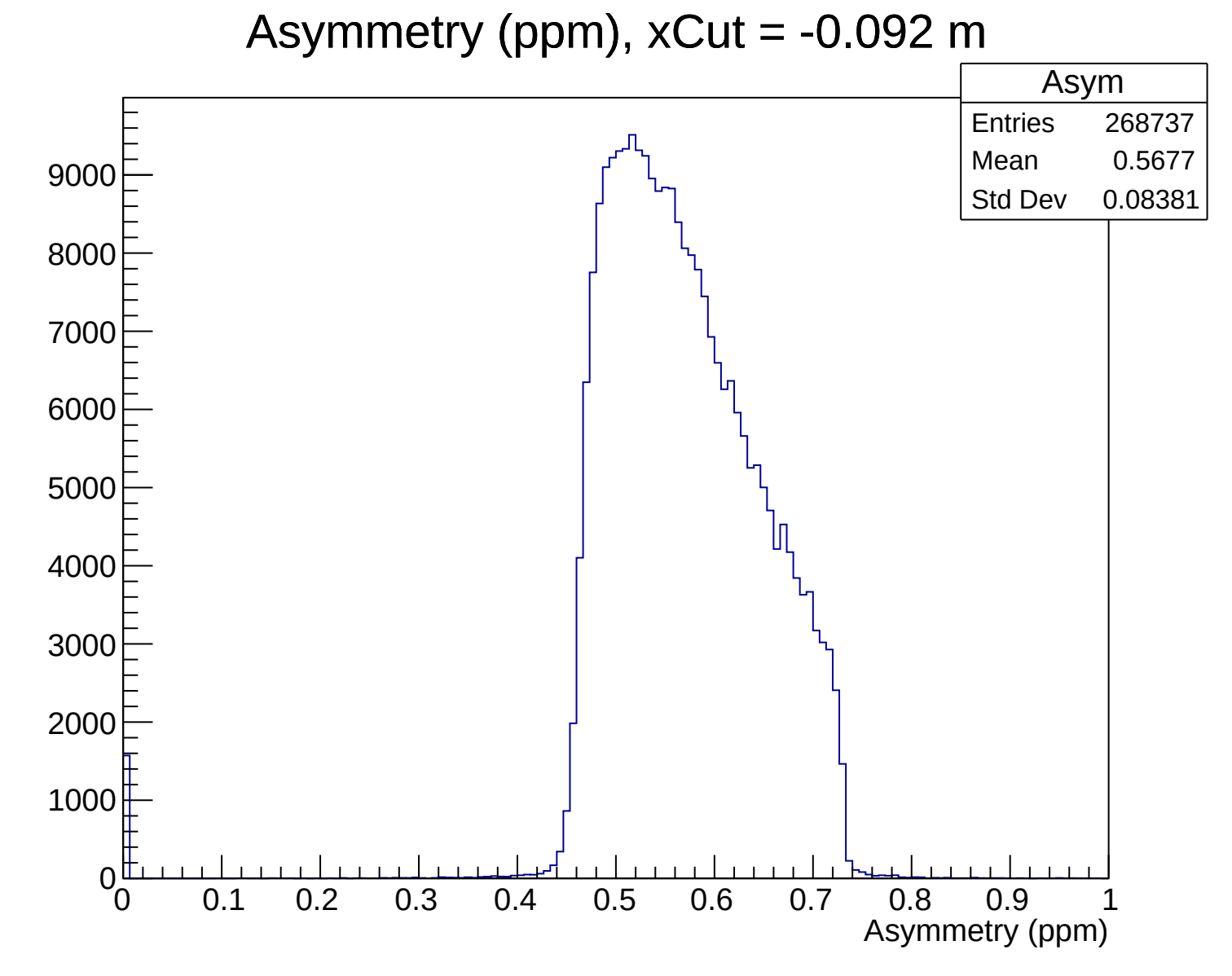

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

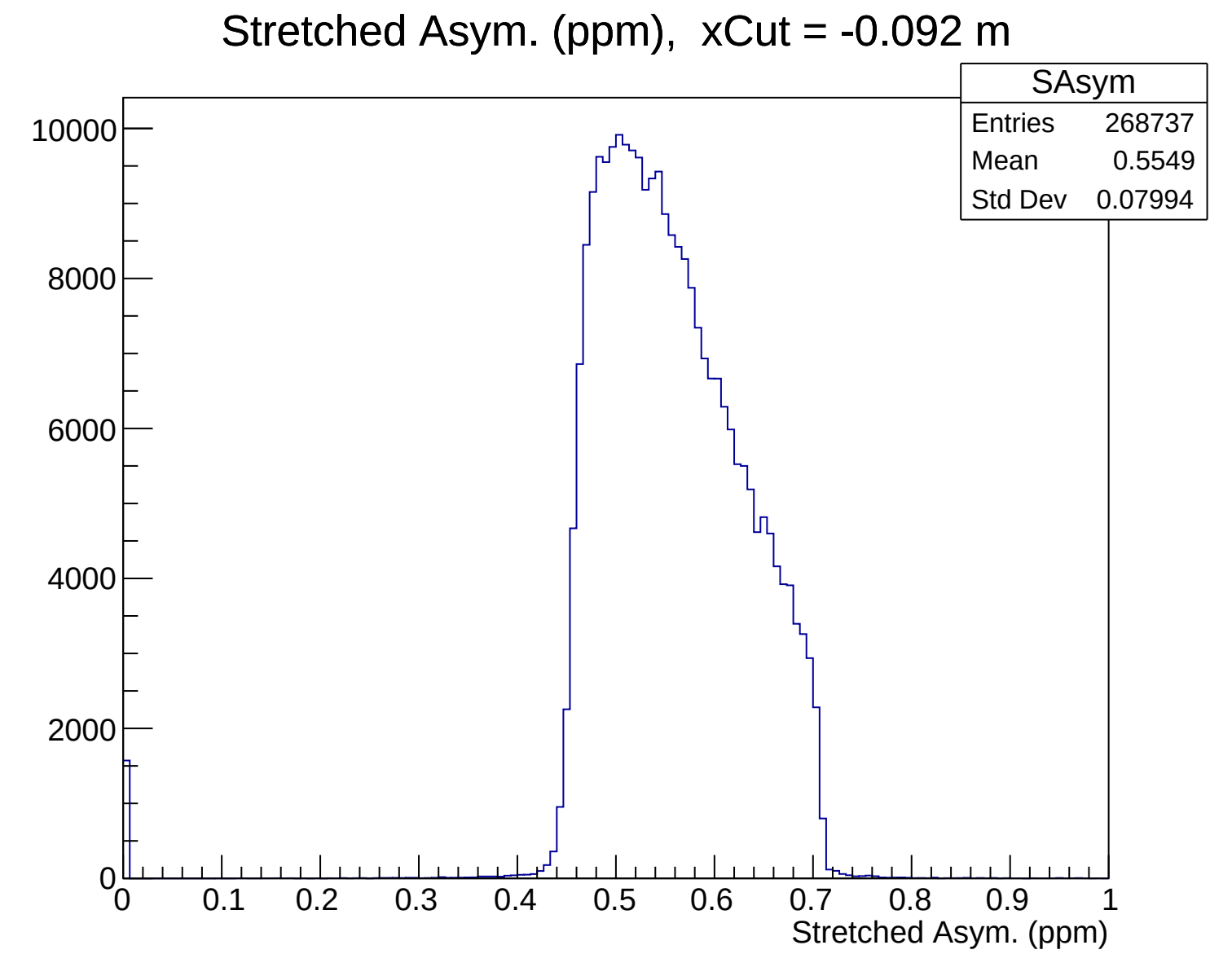

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

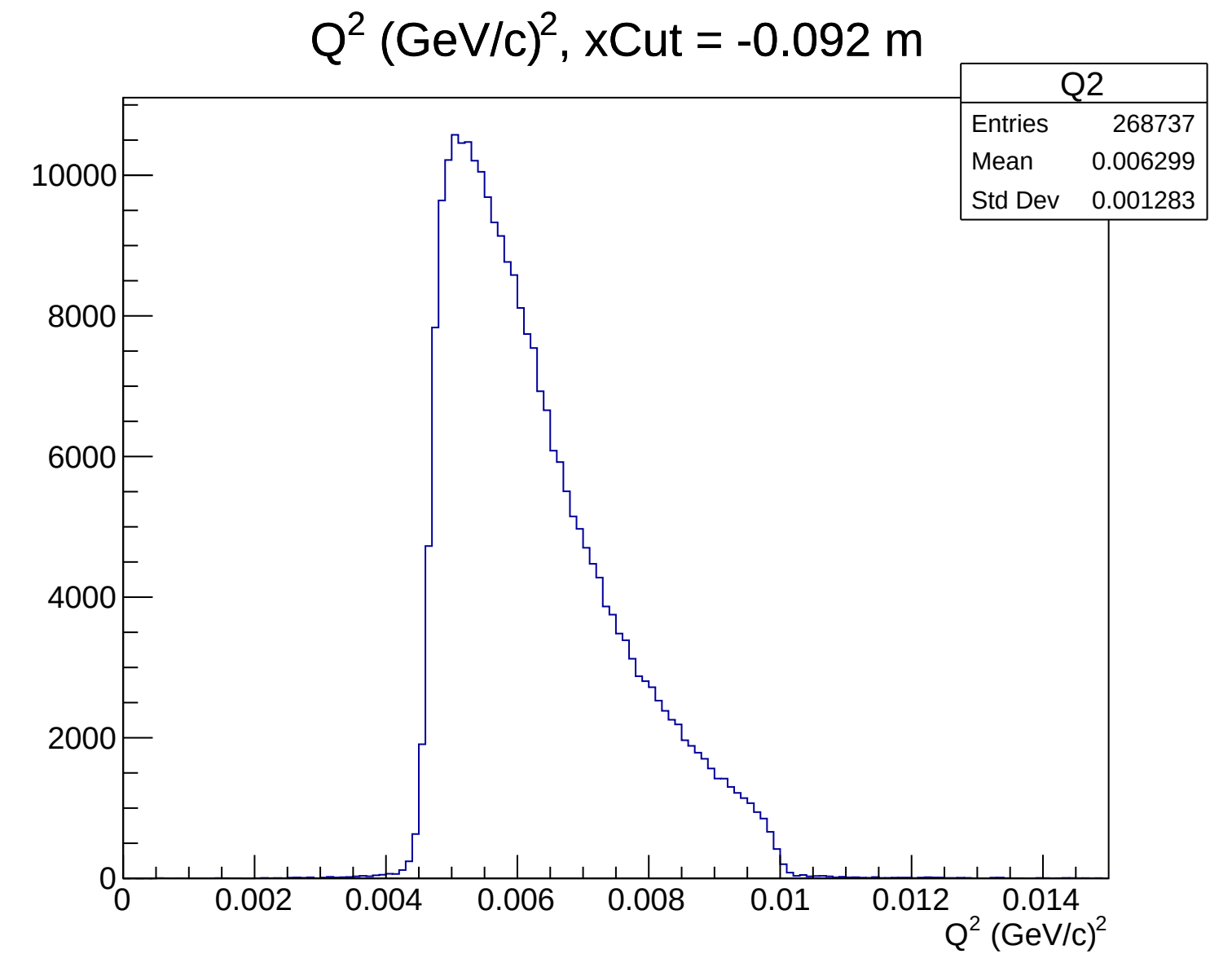

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.092
L.tr.x[0]+1.3*L.tr.th[0] (m)

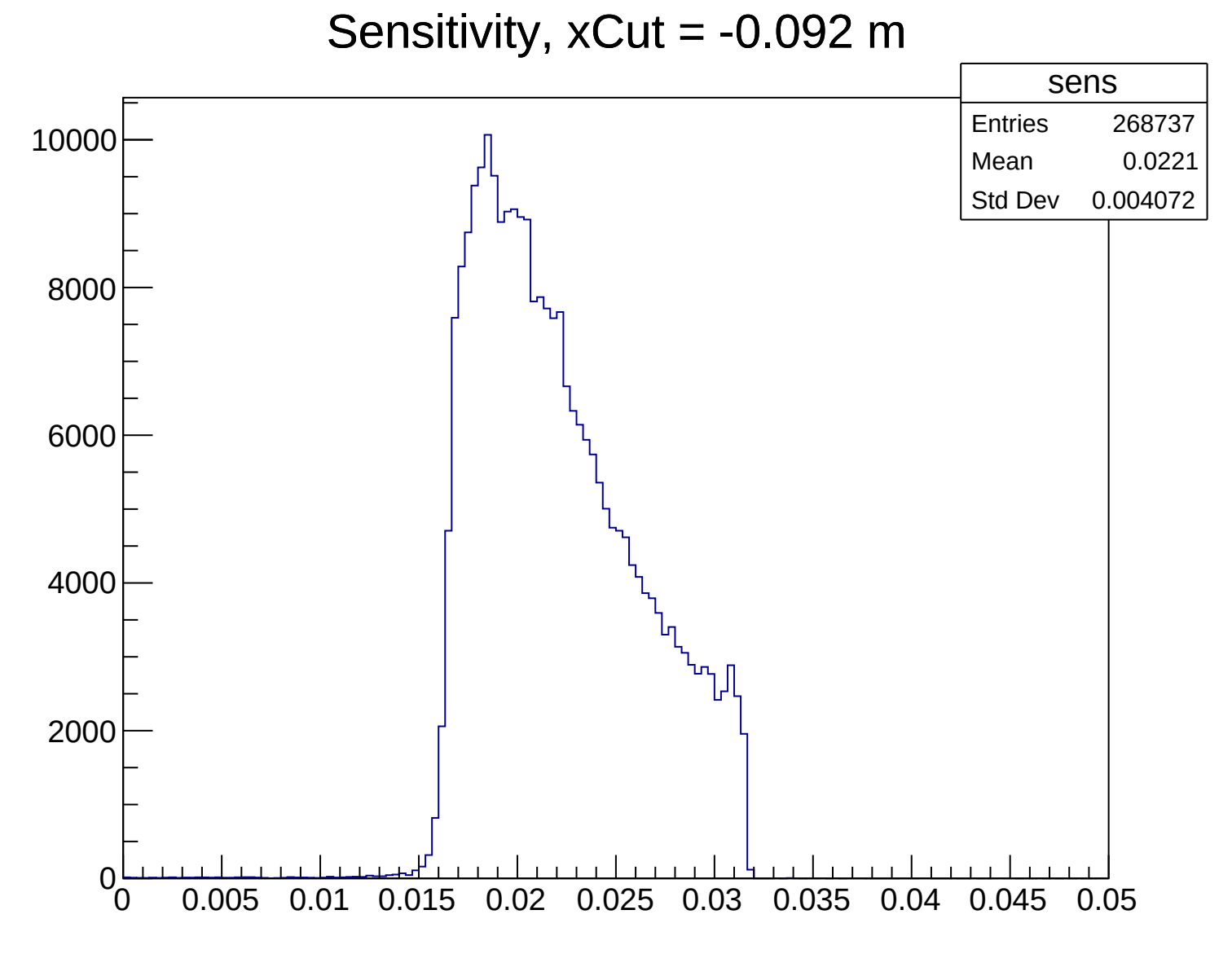

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

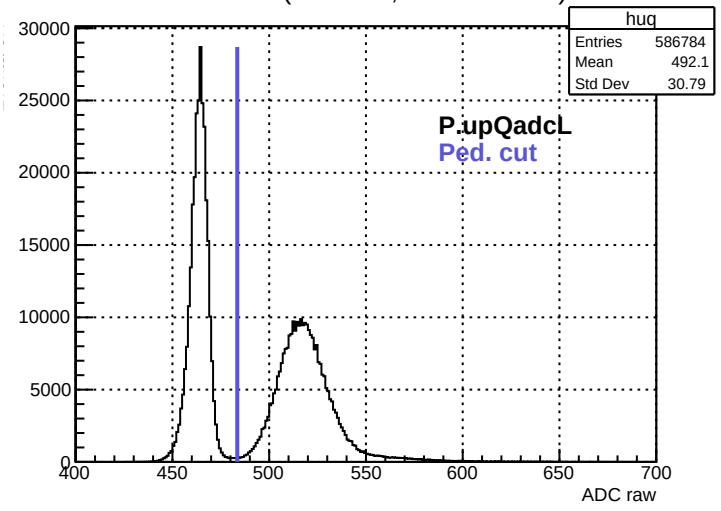

θlab (deg), xCut = -0.092 m
Theta
Entries 268737
Mean 4.776
Std Dev 0.4755
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

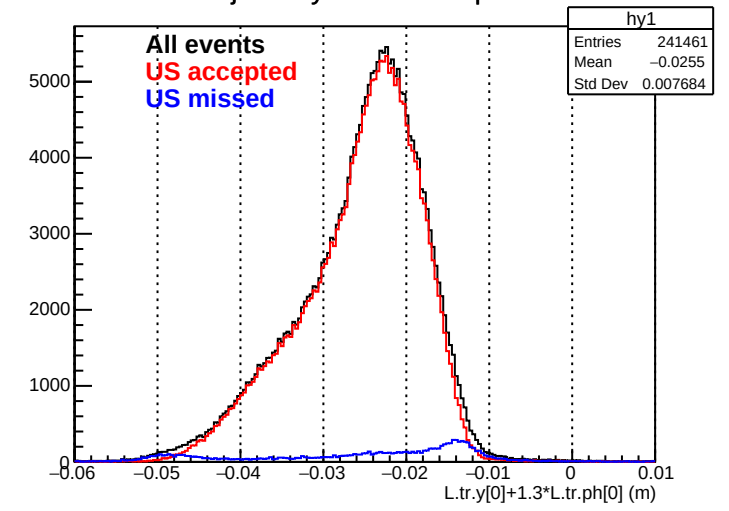

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 268737
Mean 0.5677
Std Dev 0.08381
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

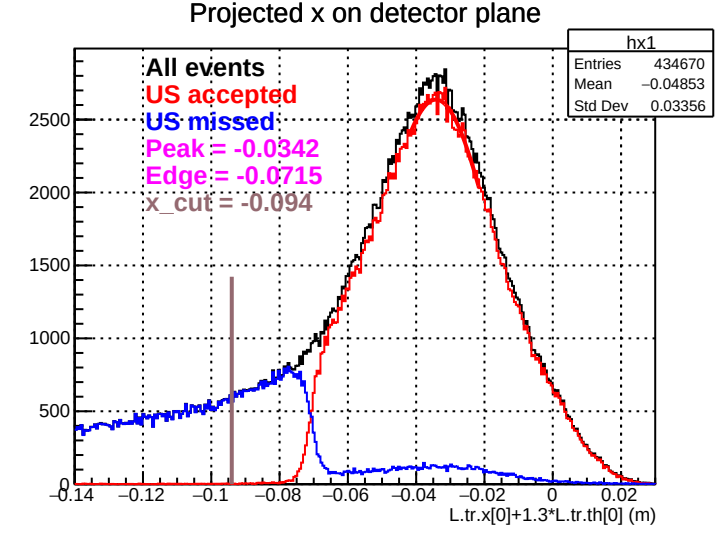

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 268737
Mean 0.5549
Std Dev 0.07994
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

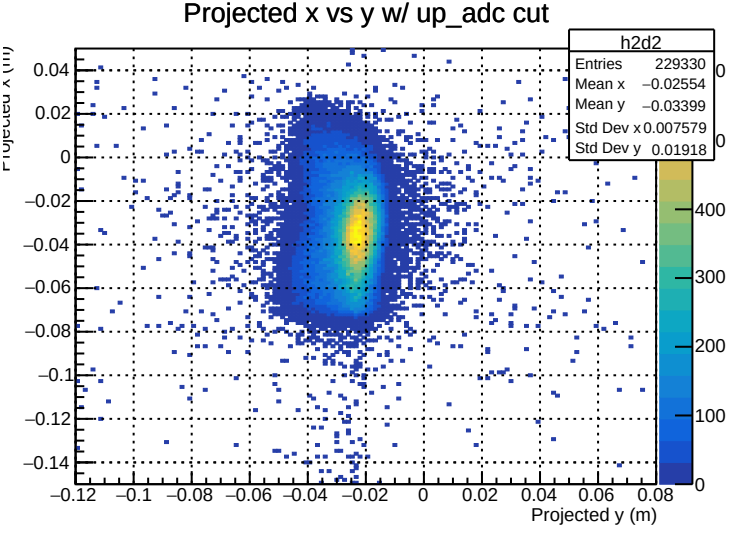

$Q^2$ (GeV/c)$^2$, xCut = -0.092 m
Q2
Entries 268737
Mean 0.006299
Std Dev 0.001283
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

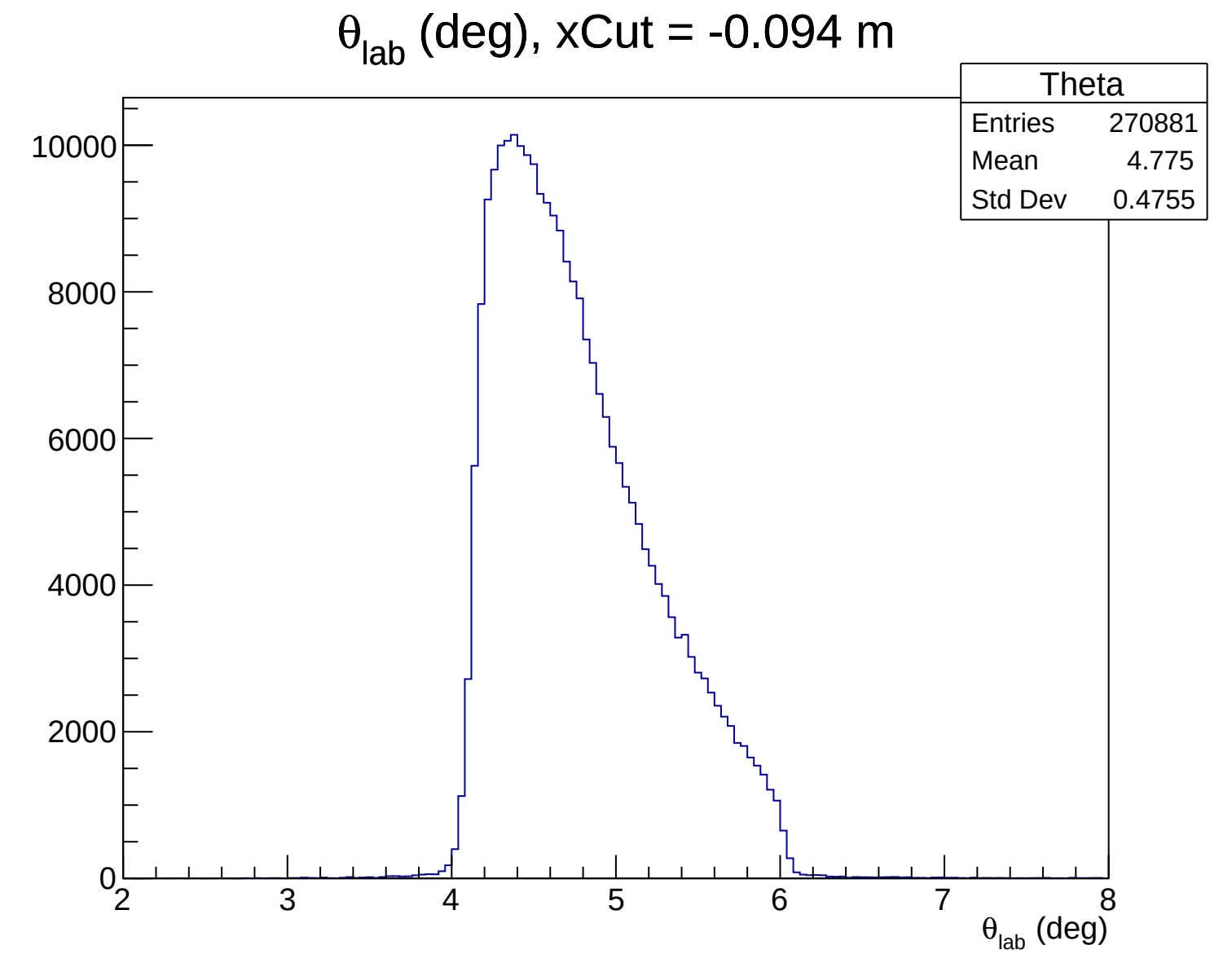

Sensitivity, xCut = -0.092 m
sens
Entries 268737
Mean 0.0221
Std Dev 0.004072
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

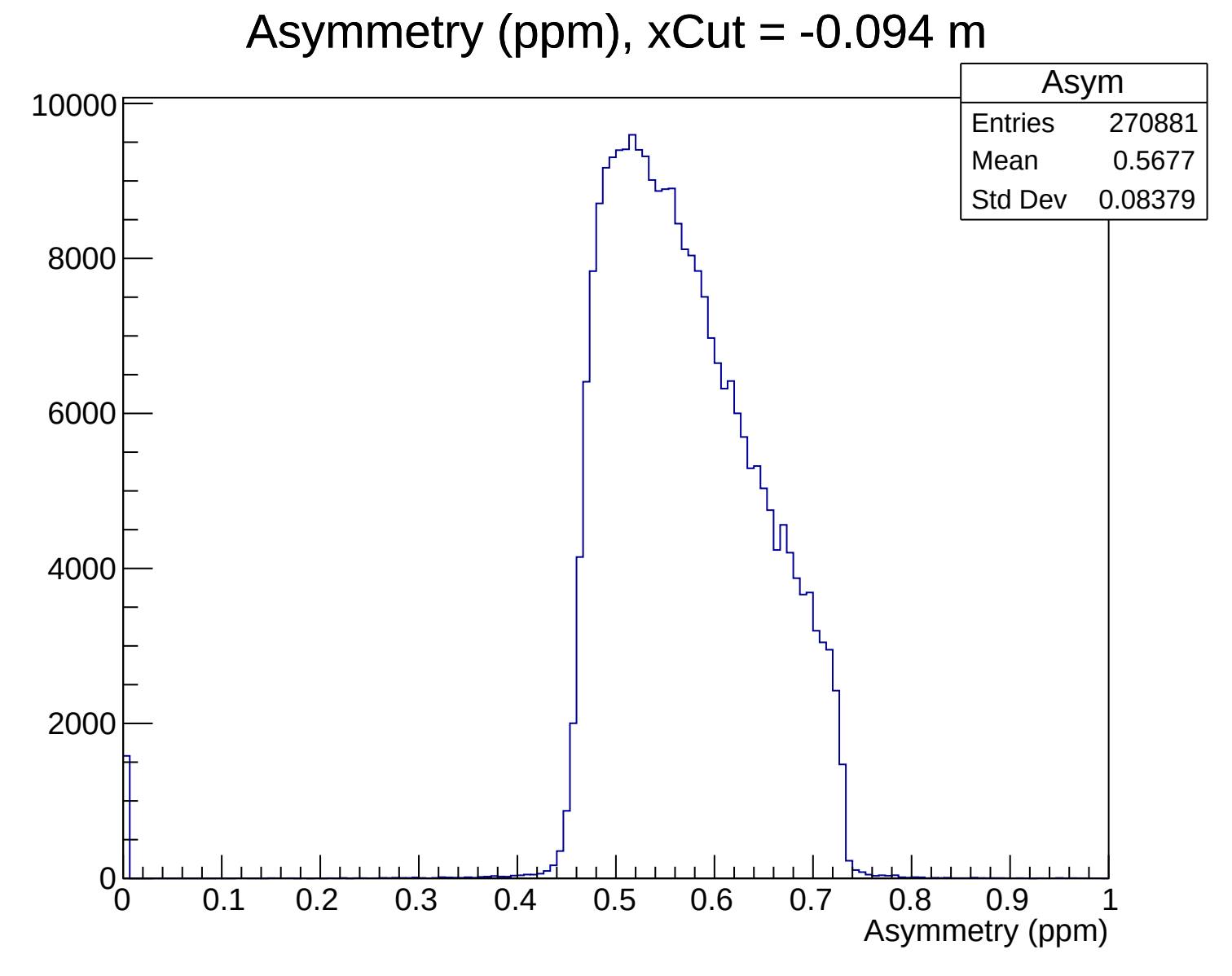

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

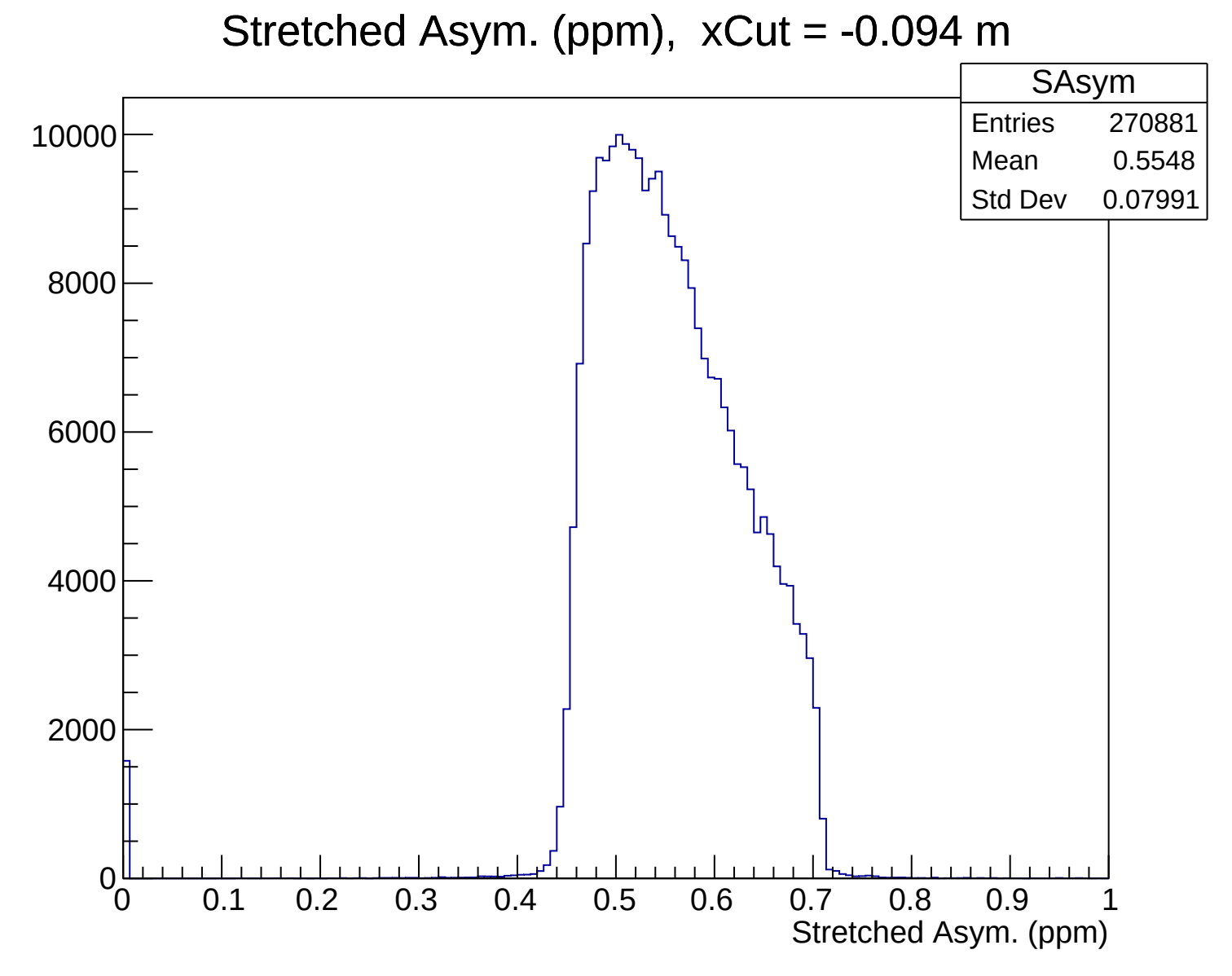

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

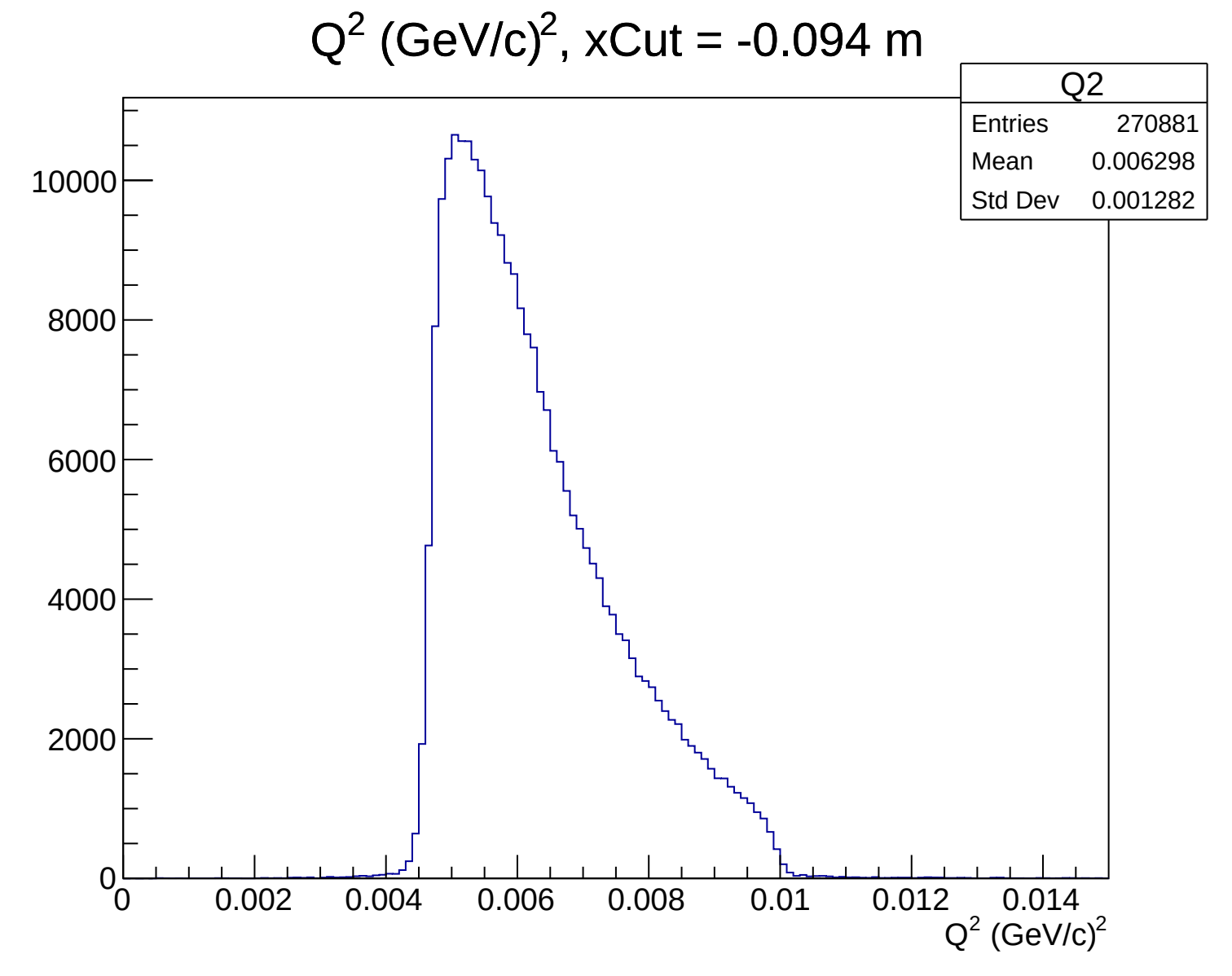

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

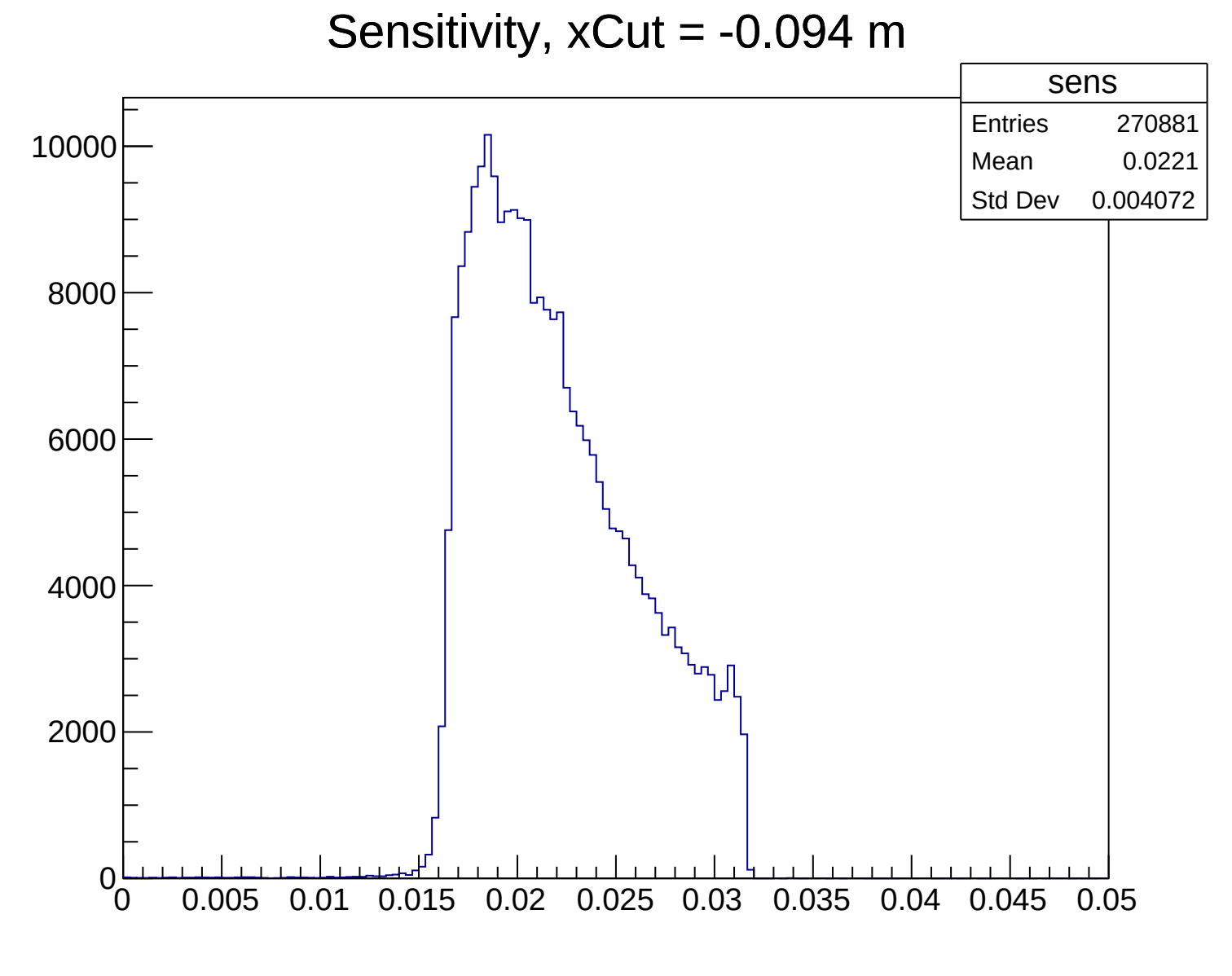

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

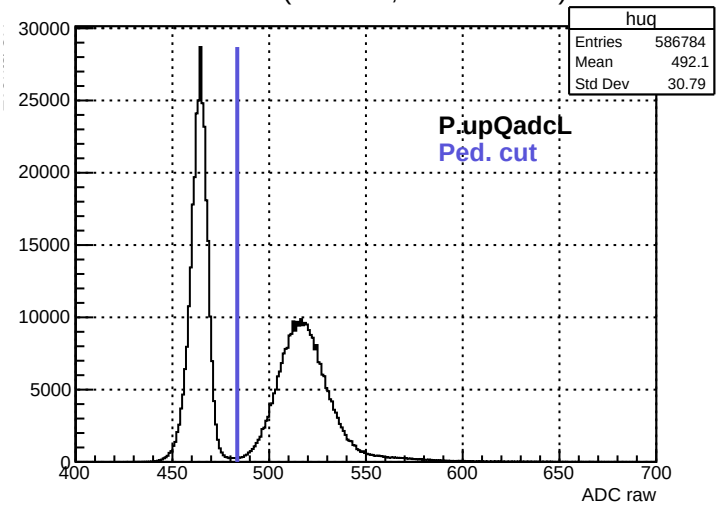

θlab (deg), xCut = -0.094 m
Theta
Entries 270881
Mean 4.775
Std Dev 0.4755
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

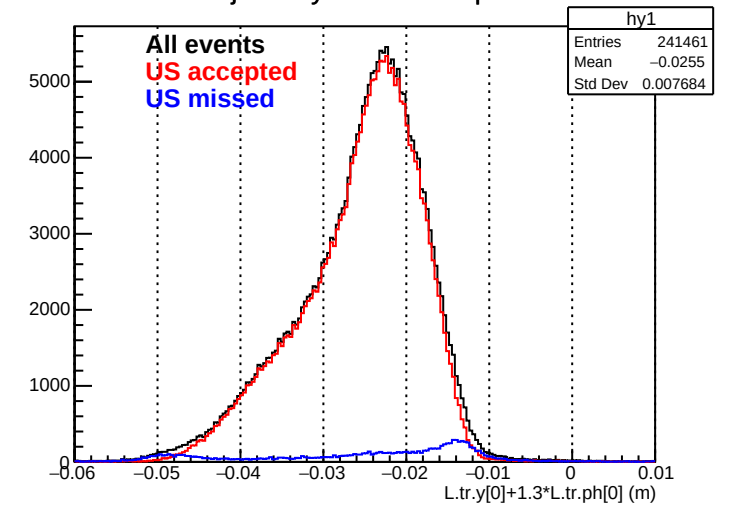

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 270881
Mean 0.5677
Std Dev 0.08379
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

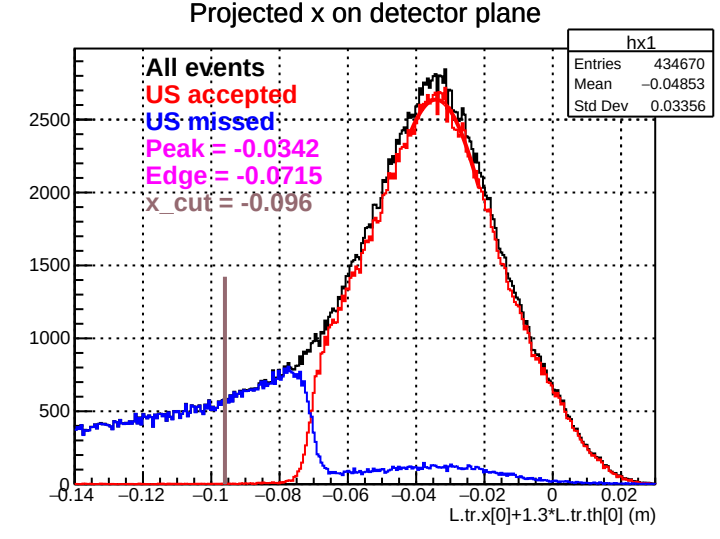

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 270881
Mean 0.5548
Std Dev 0.07991
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

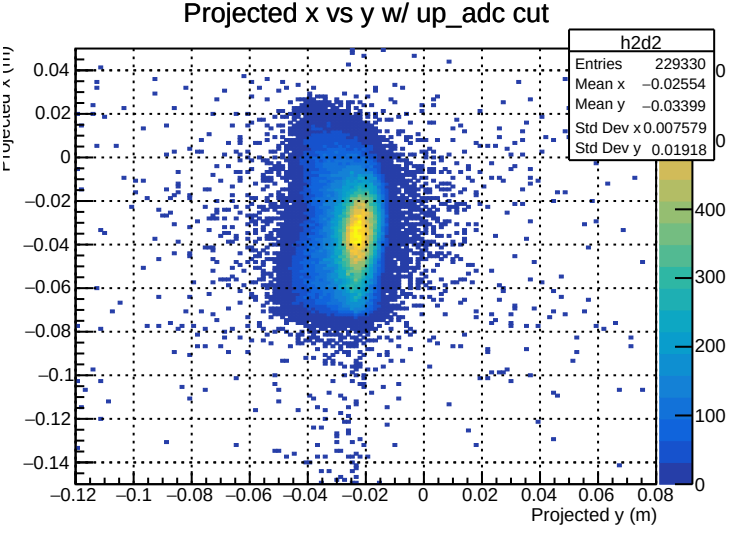

$Q^2$ (GeV/c)$^2$, xCut = -0.094 m
Q2
Entries 270881
Mean 0.006298
Std Dev 0.001282
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

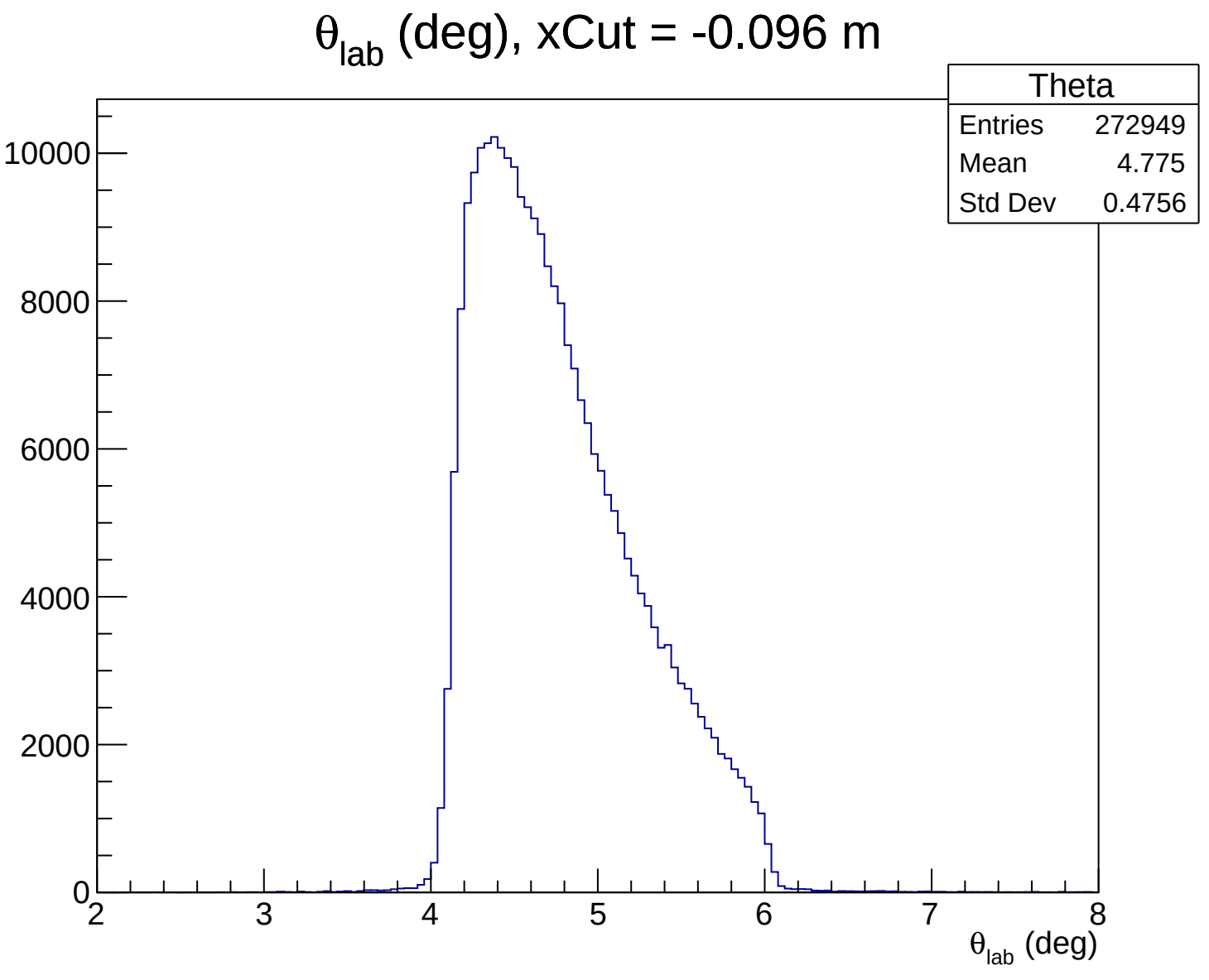

Sensitivity, xCut = -0.094 m
sens
Entries 270881
Mean 0.0221
Std Dev 0.004072
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

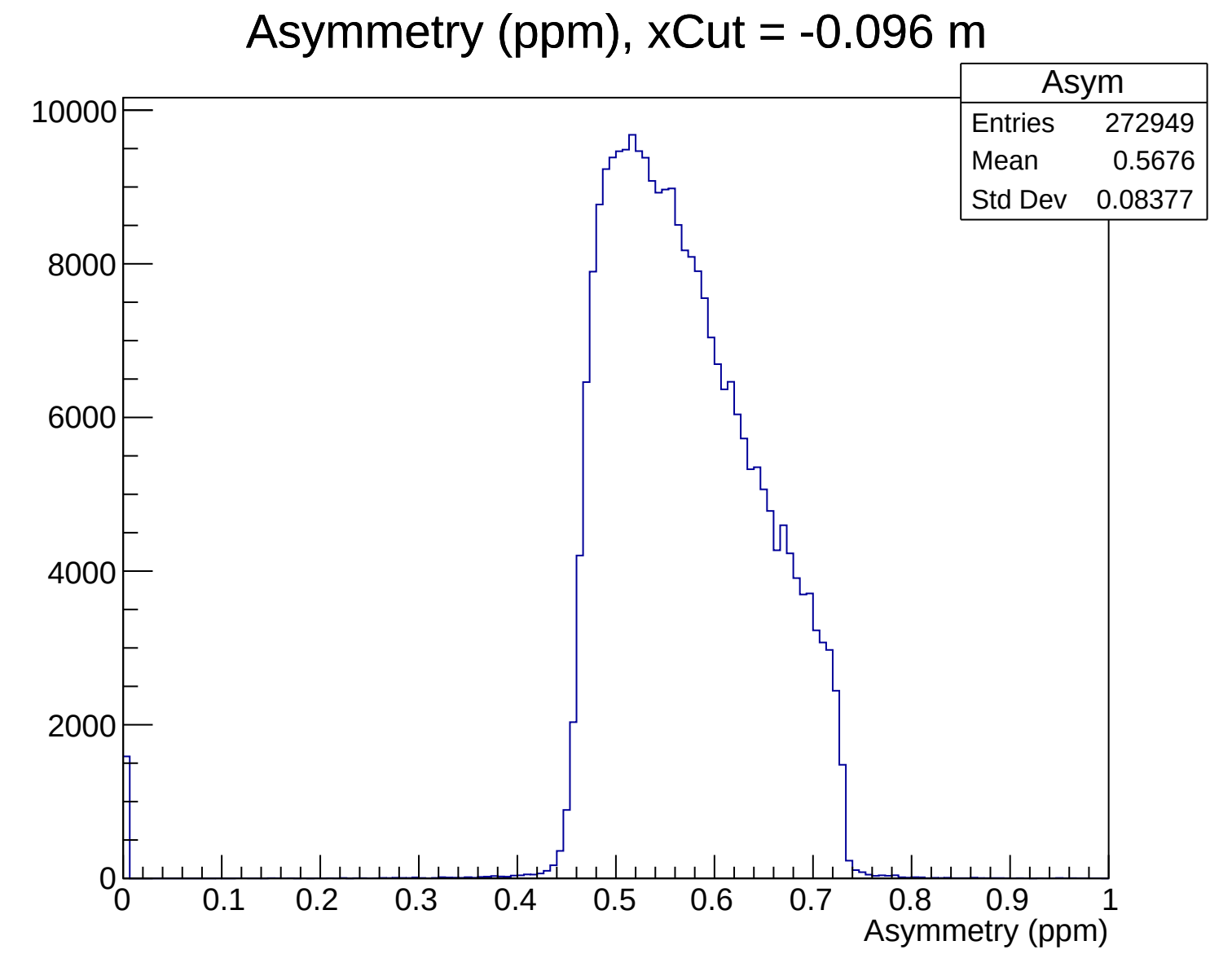

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

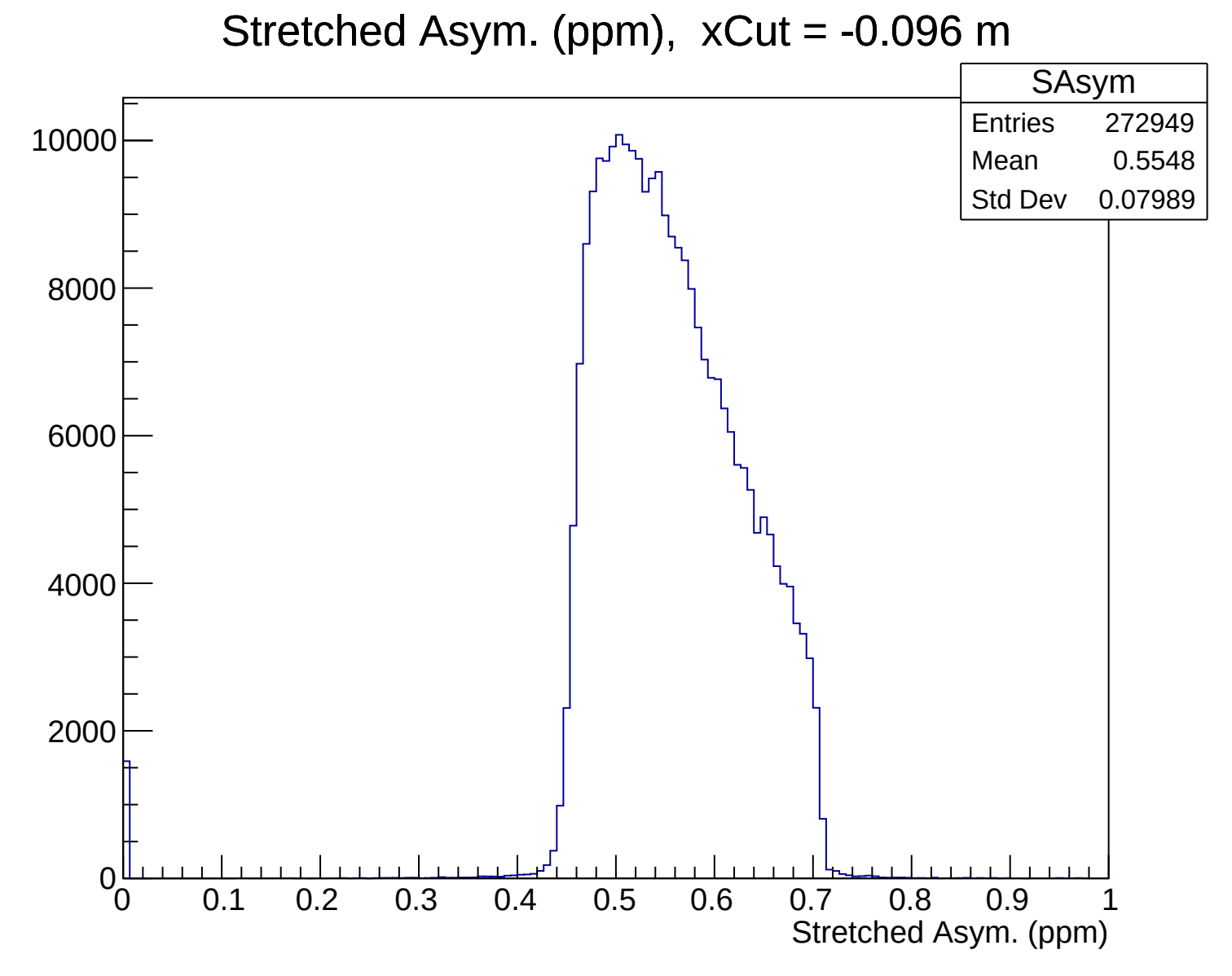

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

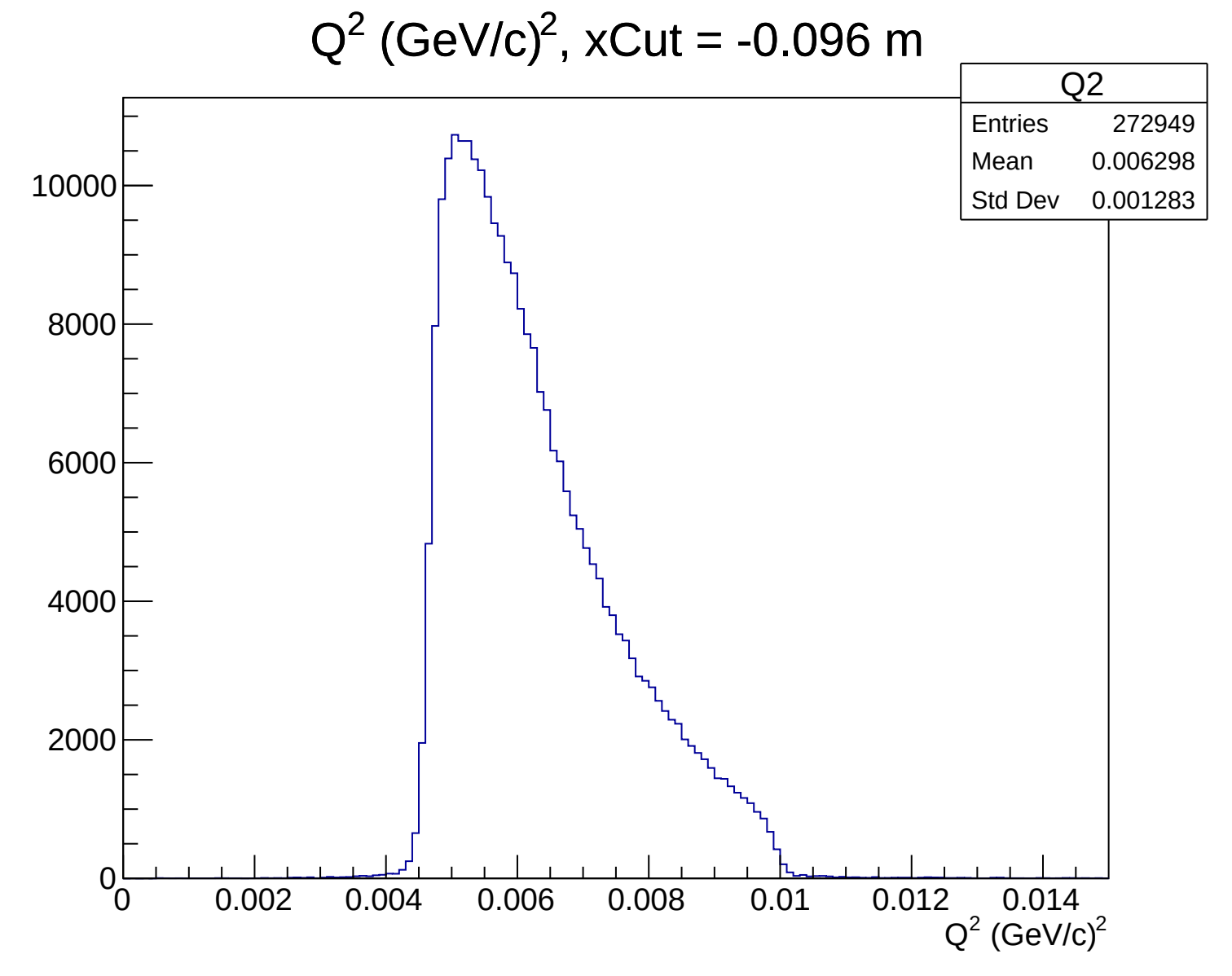

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.096
L.tr.x[0]+1.3*L.tr.th[0] (m)

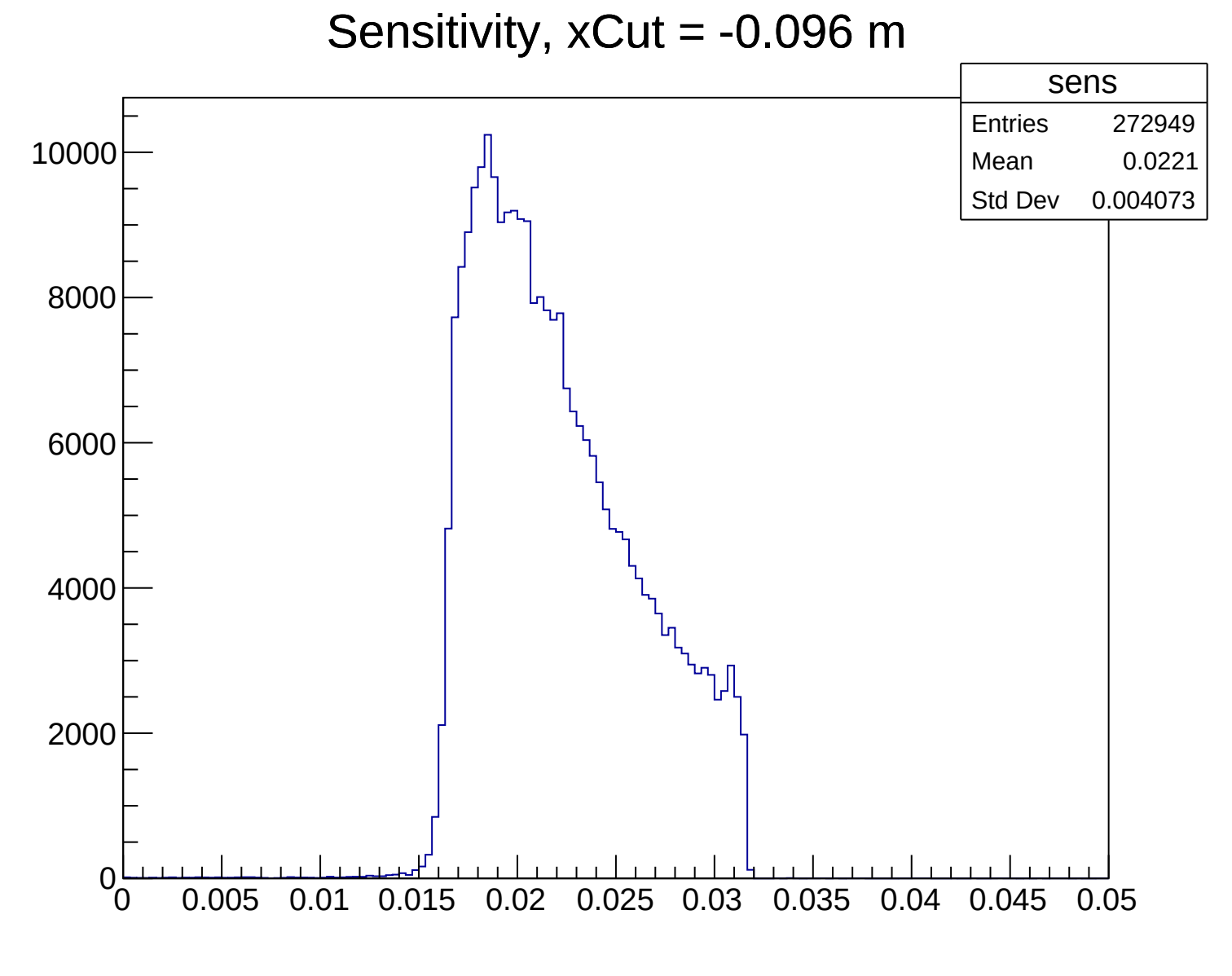

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

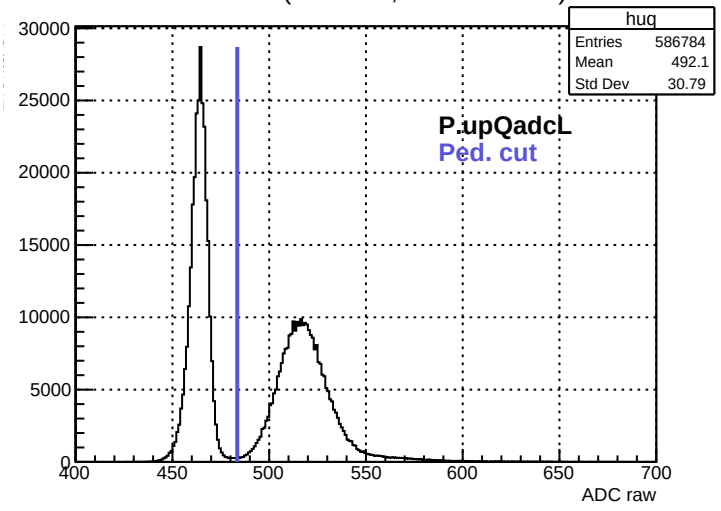

θlab (deg), xCut = -0.096 m
Theta
Entries 272949
Mean 4.775
Std Dev 0.4756
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

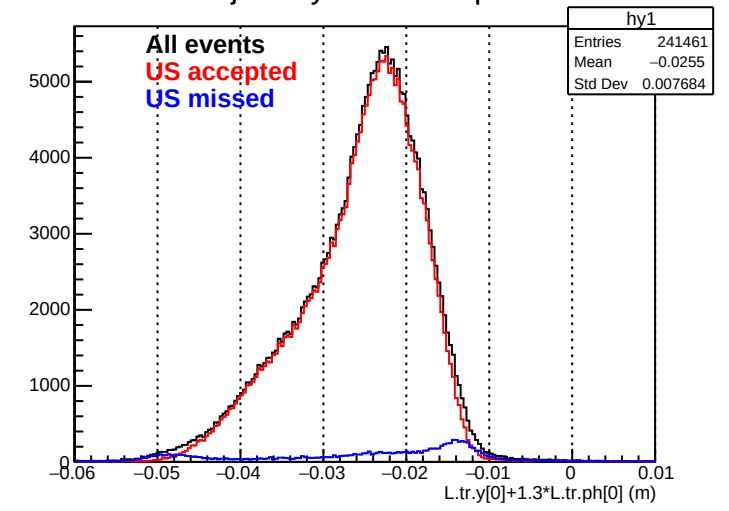

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 272949
Mean 0.5676
Std Dev 0.08377
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

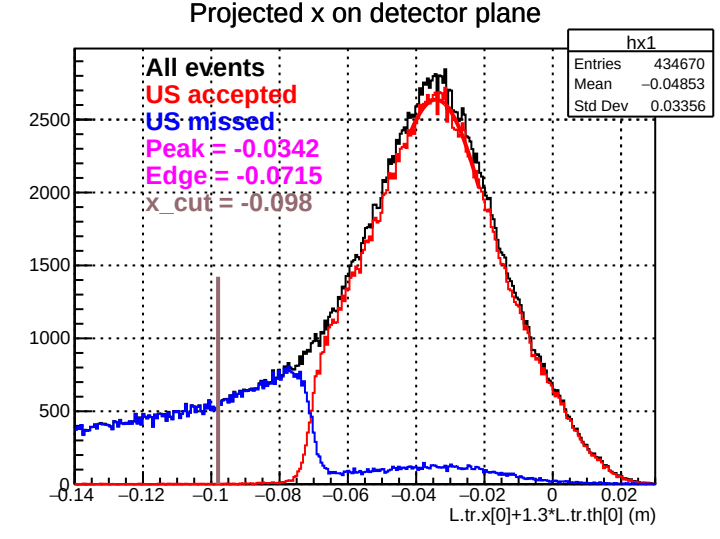

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 272949
Mean 0.5548
Std Dev 0.07989
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

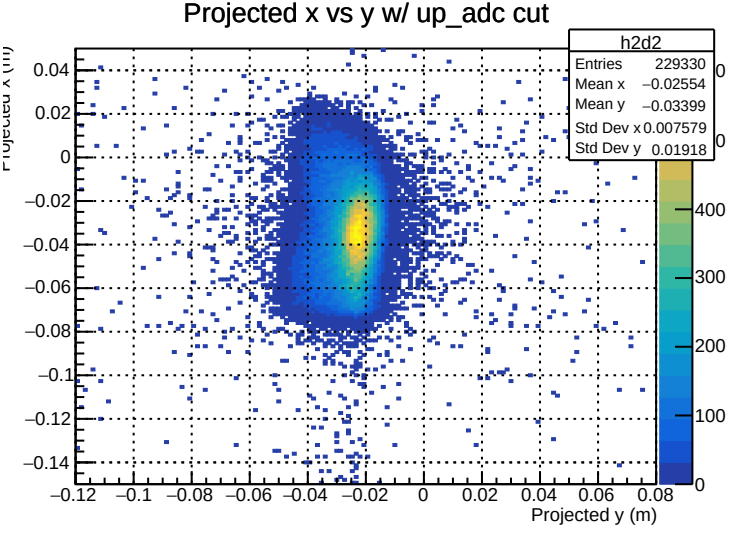

$Q^2$ (GeV/c)$^2$, xCut = -0.096 m
Q2
Entries 272949
Mean 0.006298
Std Dev 0.001283
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

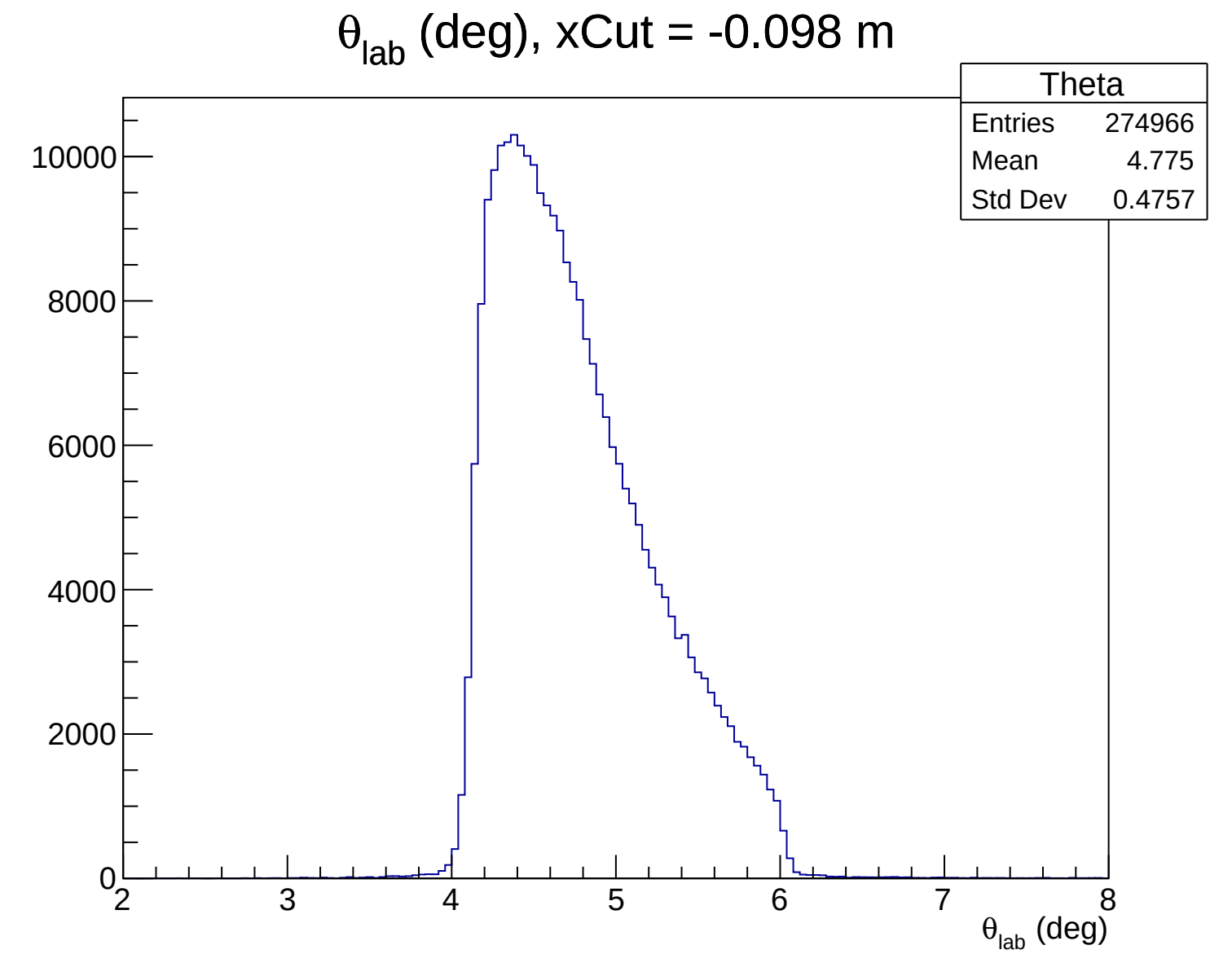

Sensitivity, xCut = -0.096 m
sens
Entries 272949
Mean 0.0221
Std Dev 0.004073
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

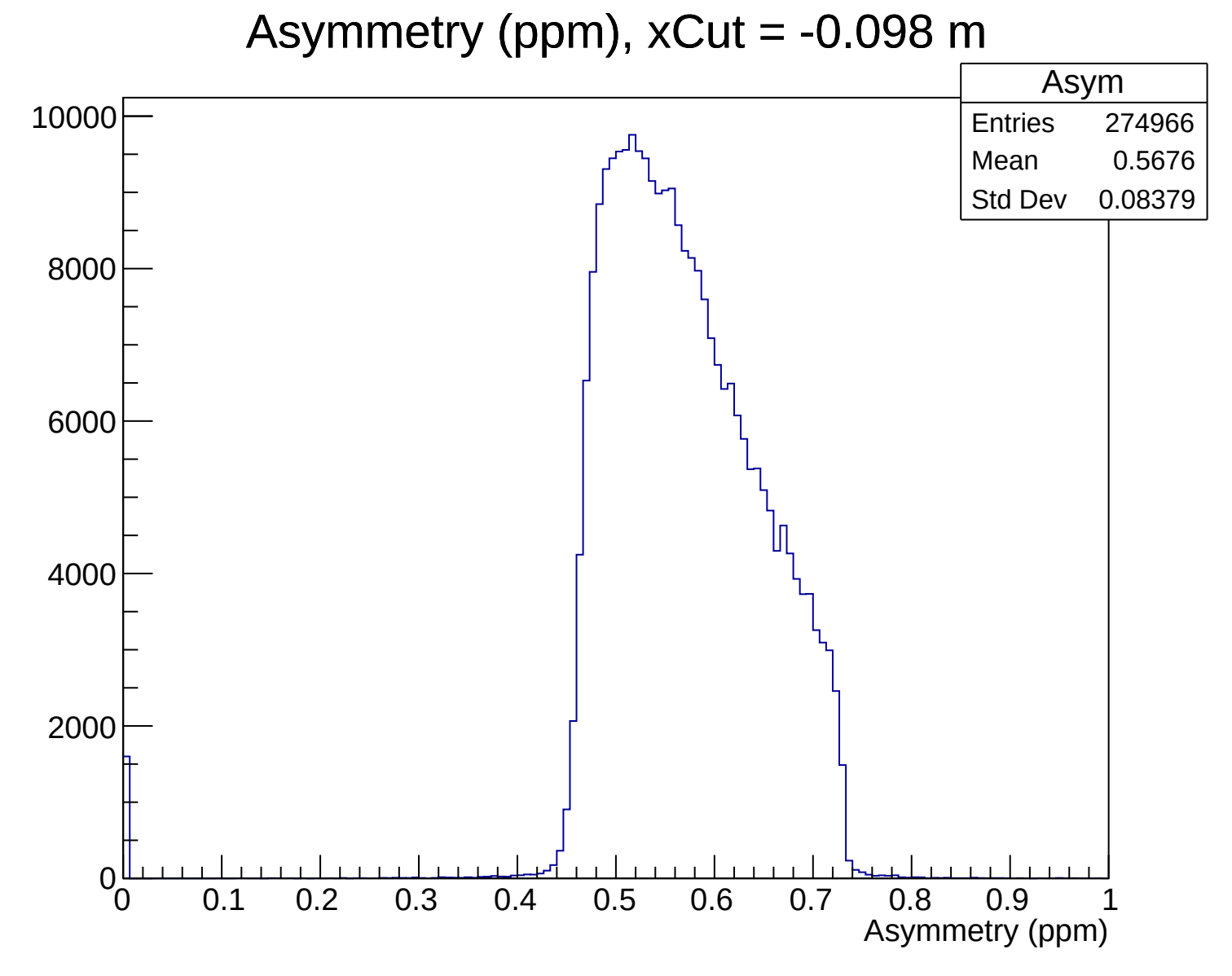

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

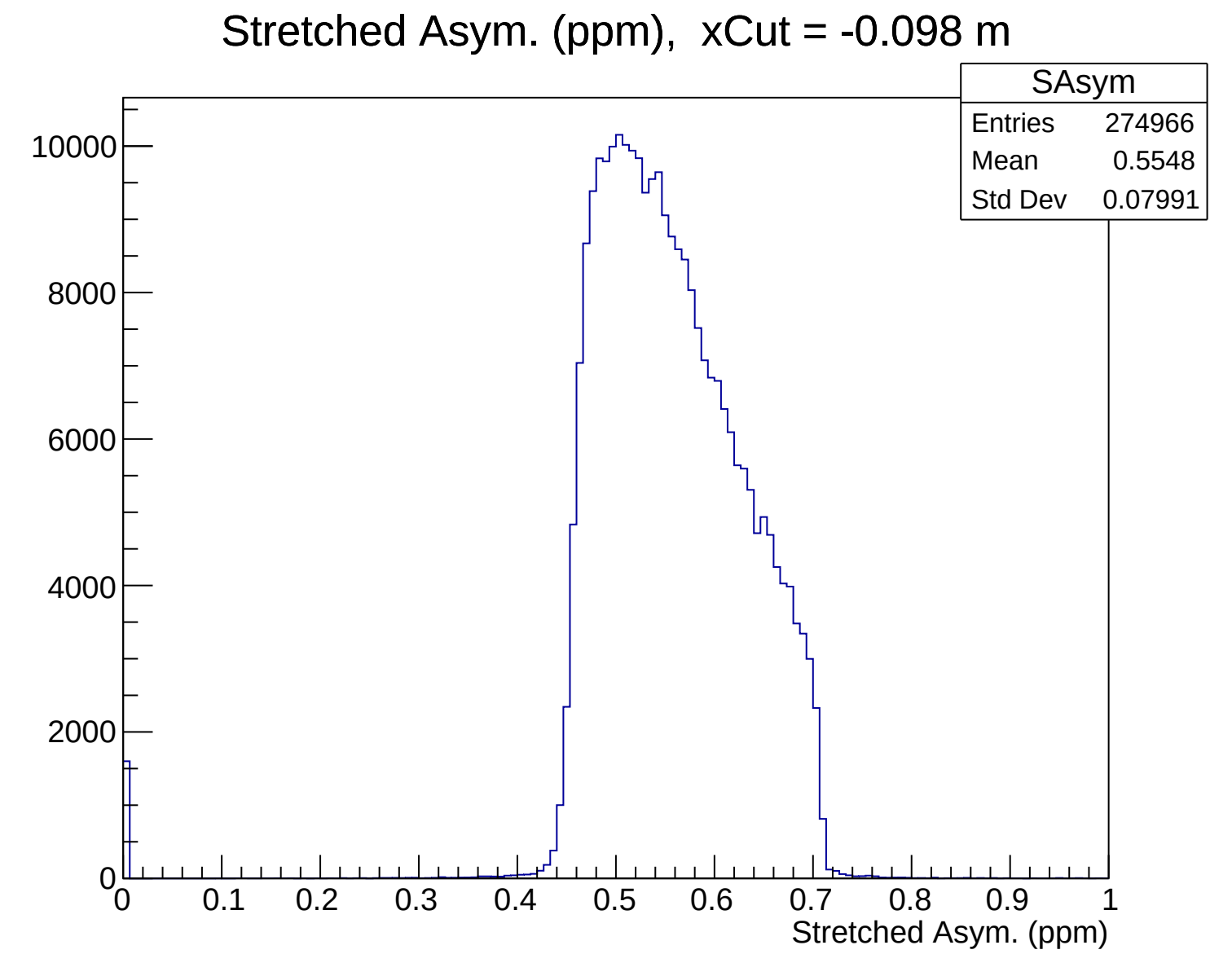

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

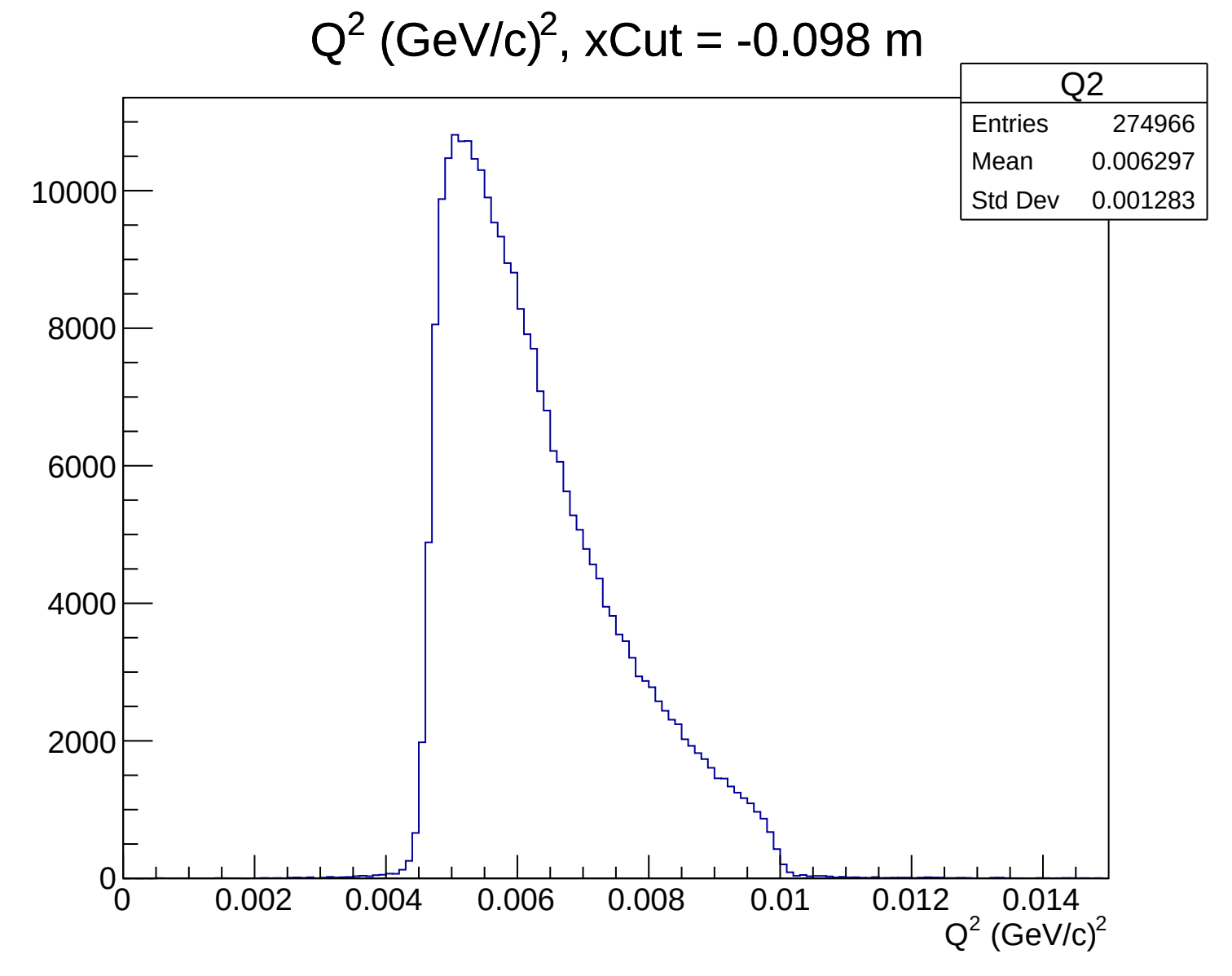

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

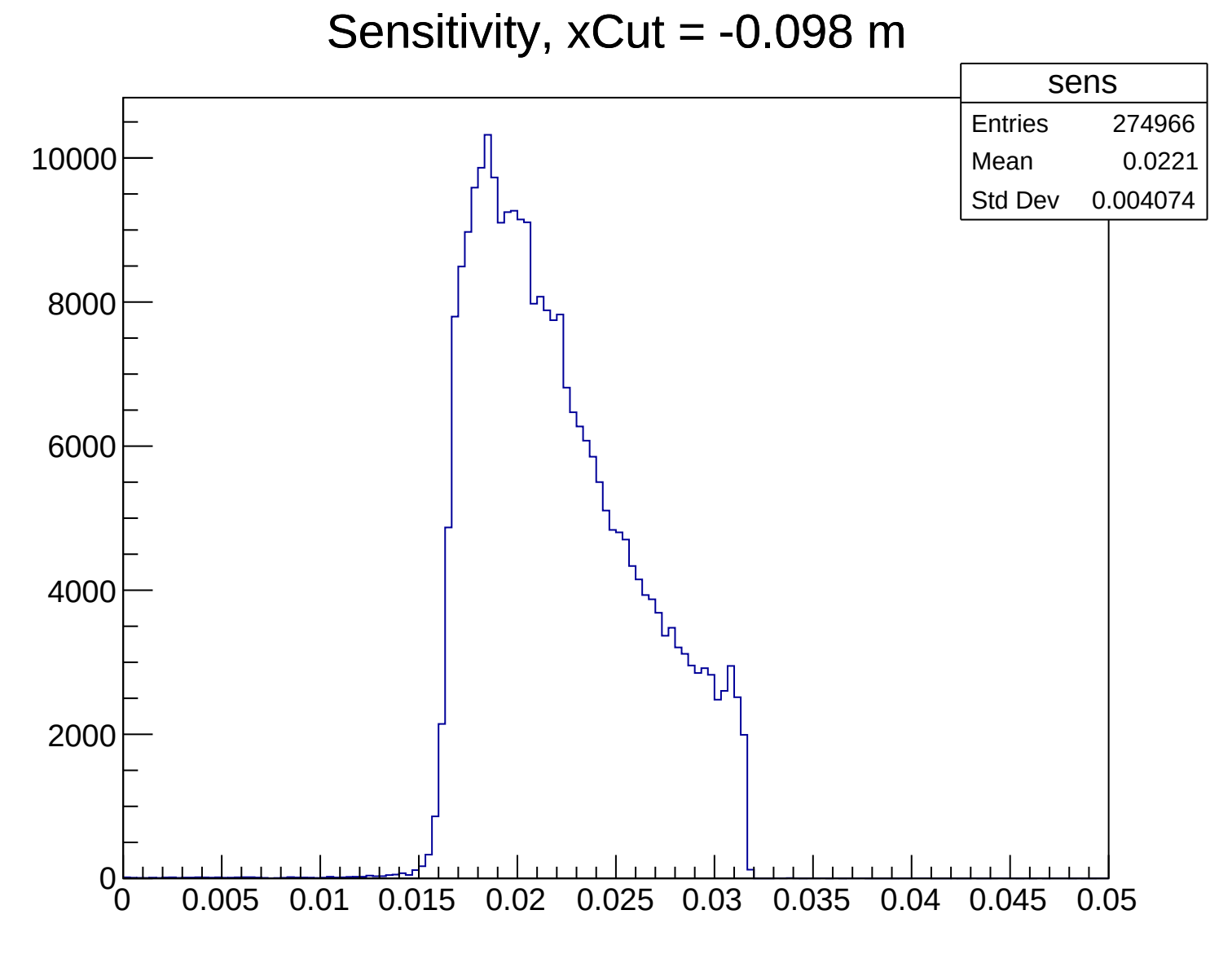

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

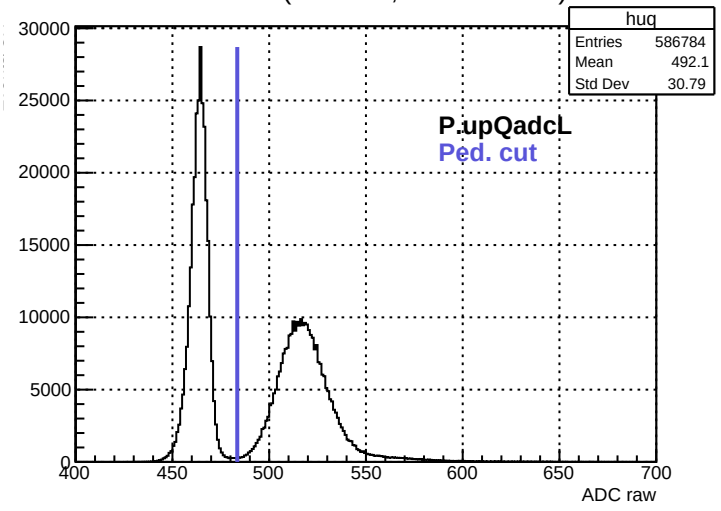

θlab (deg), xCut = -0.098 m
Theta
Entries 274966
Mean 4.775
Std Dev 0.4757
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

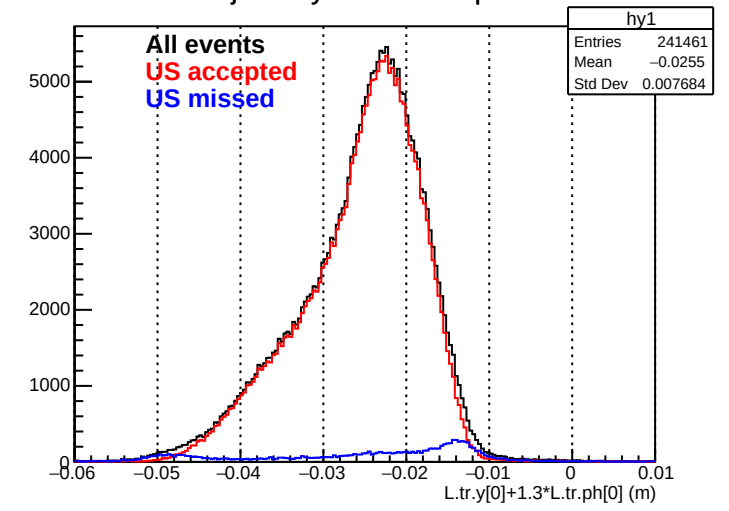

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 274966
Mean 0.5676
Std Dev 0.08379
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

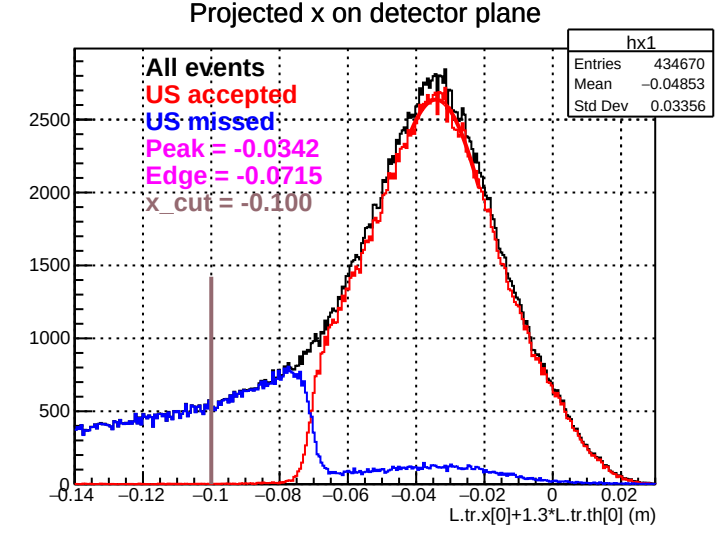

Stretched Asym. (ppm),  xCut = -0.098 m
SAsym
Entries 274966
Mean 0.5548
Std Dev 0.07991
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

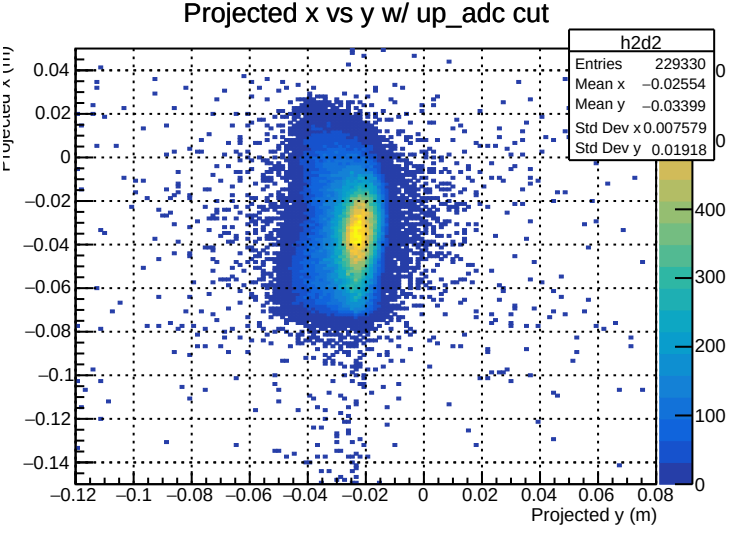

$Q^2$ (GeV/c)$^2$, xCut = -0.098 m
Q2
Entries 274966
Mean 0.006297
Std Dev 0.001283
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

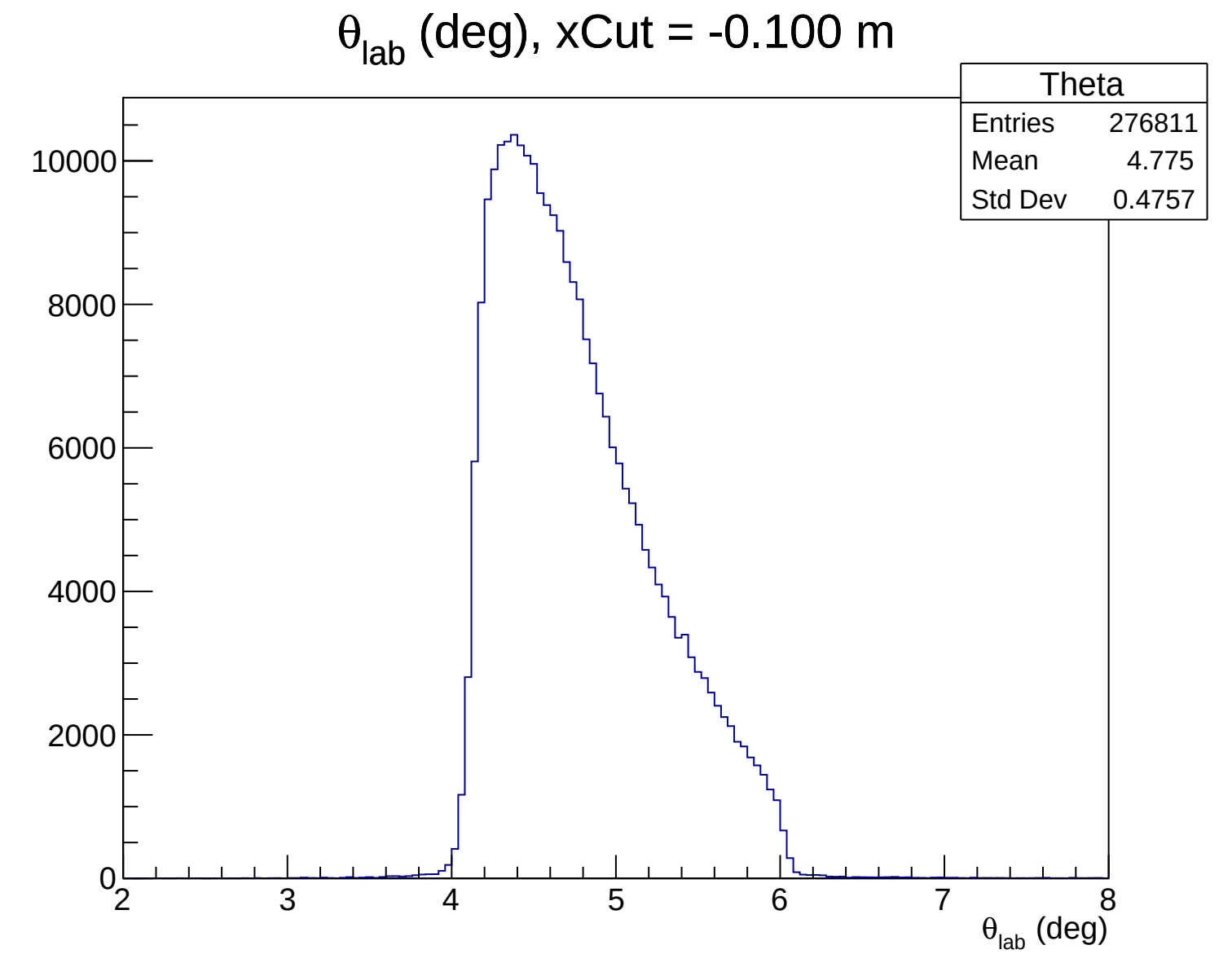

Sensitivity, xCut = -0.098 m
sens
Entries 274966
Mean 0.0221
Std Dev 0.004074
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

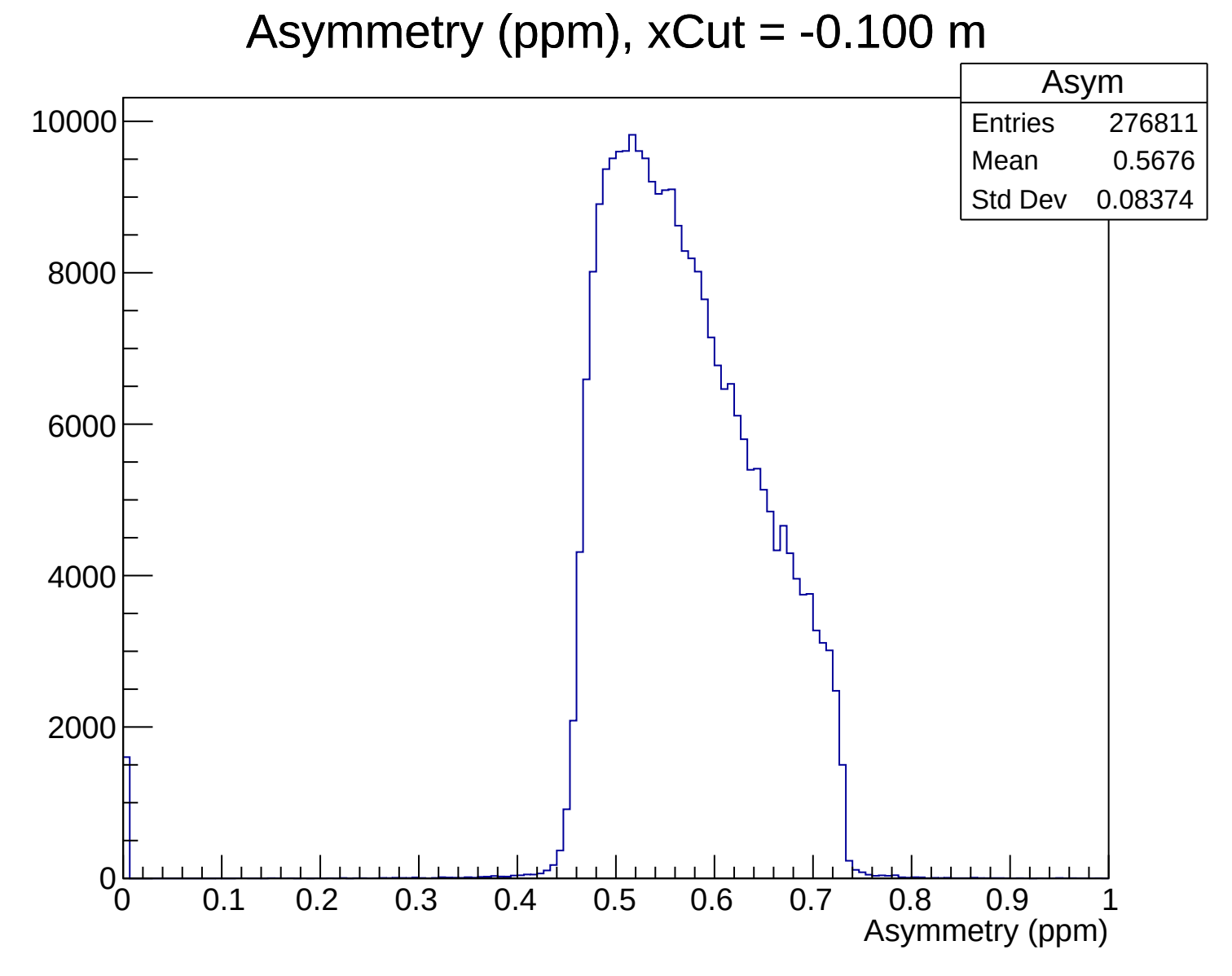

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

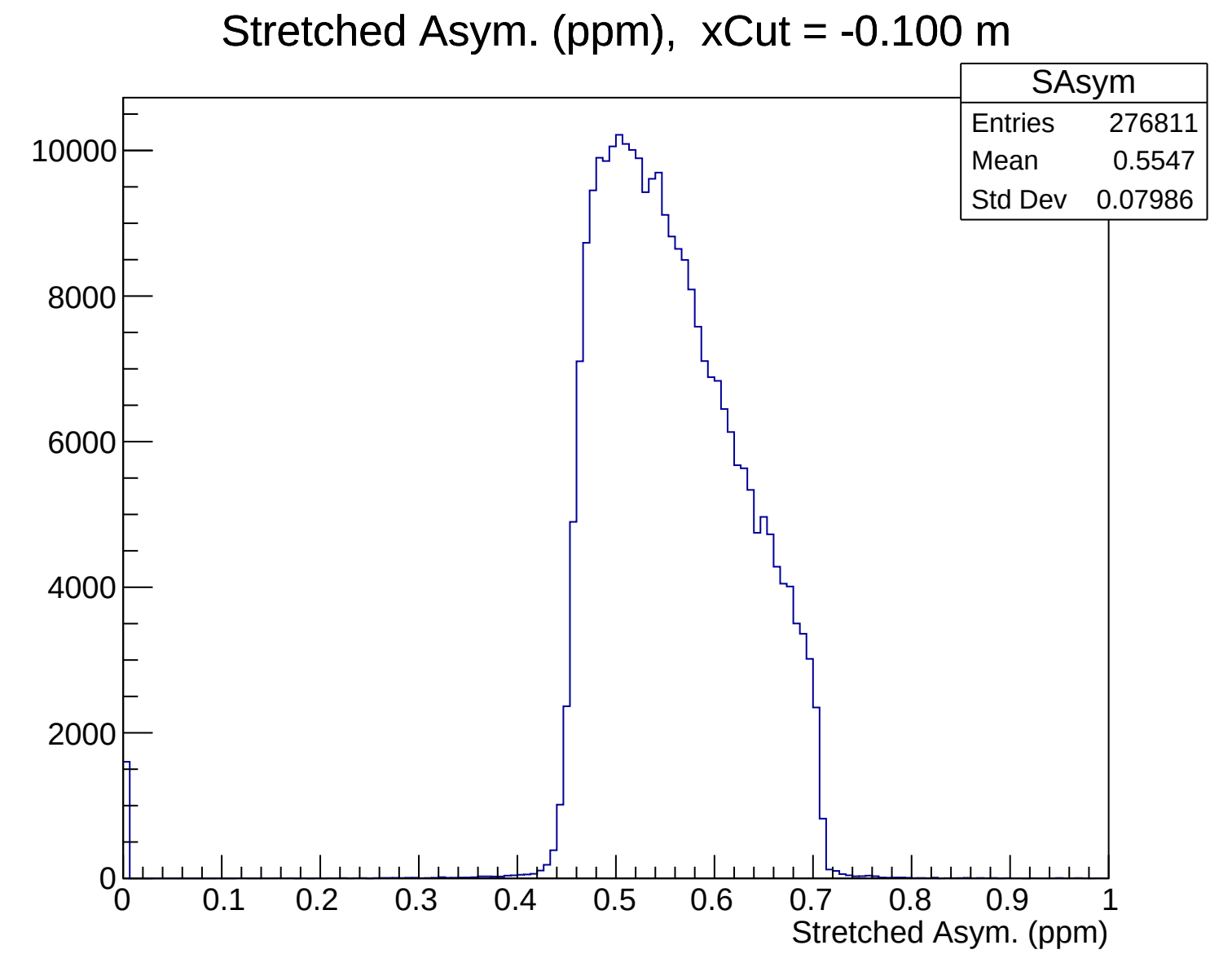

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

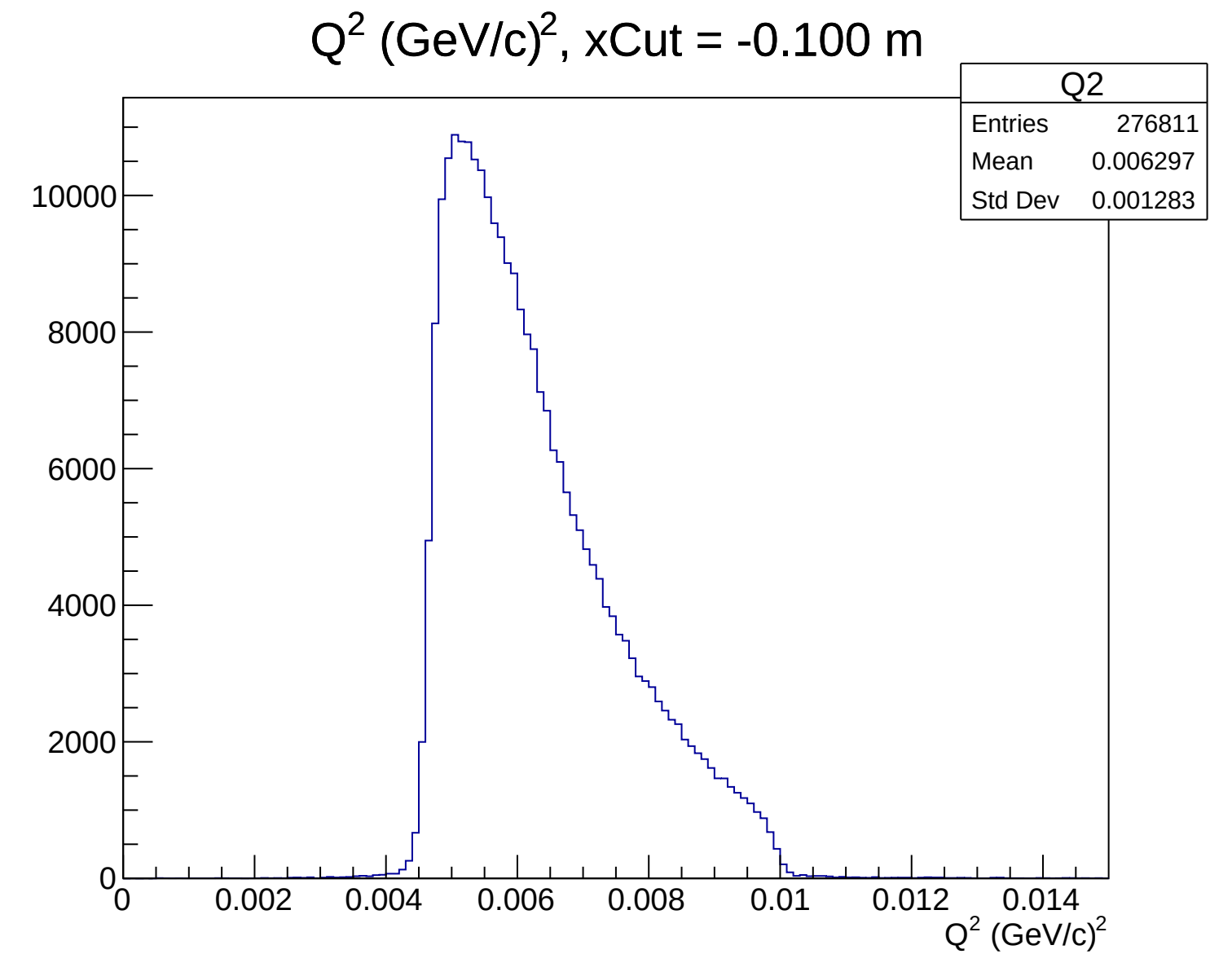

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

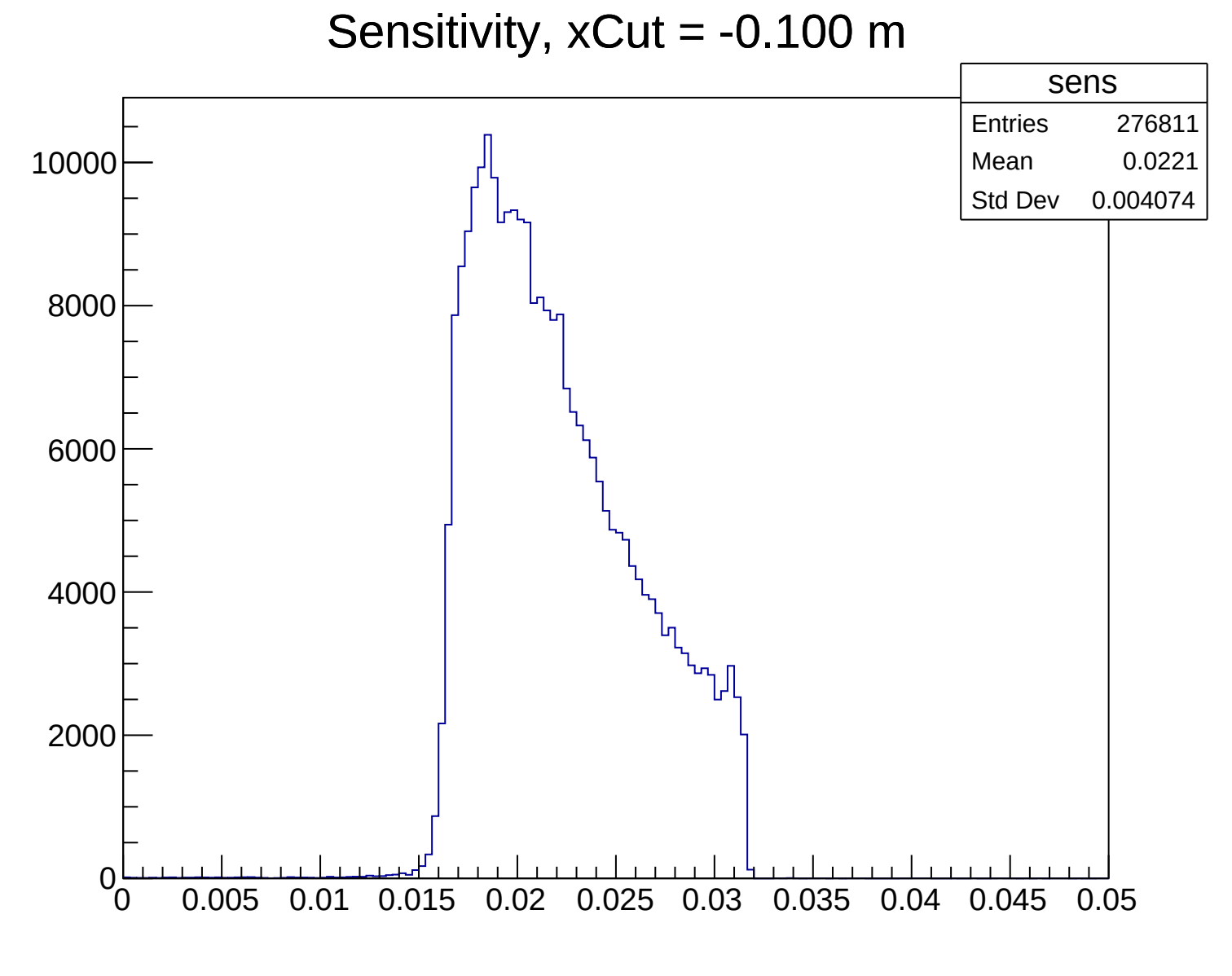

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

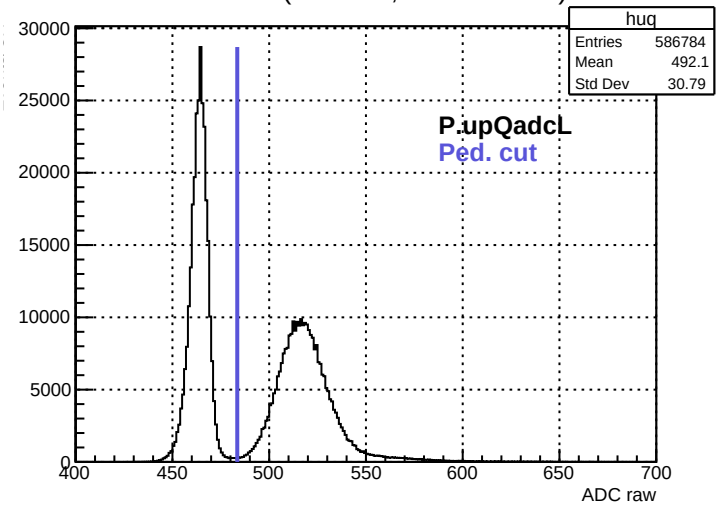

θlab (deg), xCut = -0.100 m
Theta
Entries 276811
Mean 4.775
Std Dev 0.4757
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

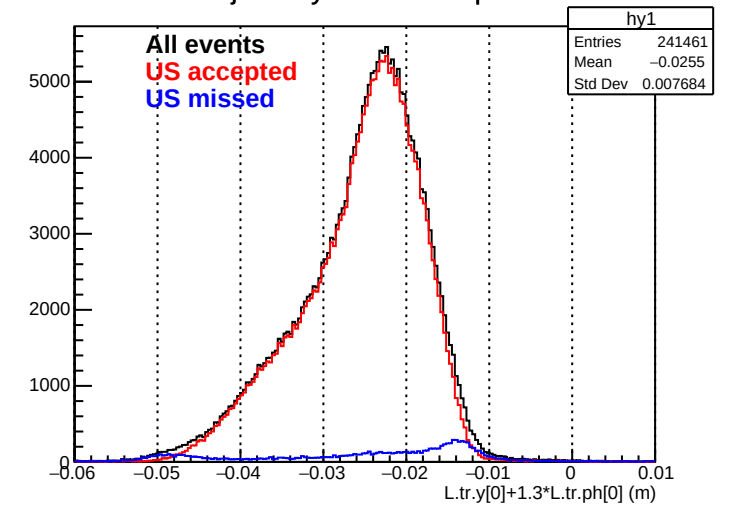

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 276811
Mean 0.5676
Std Dev 0.08374
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

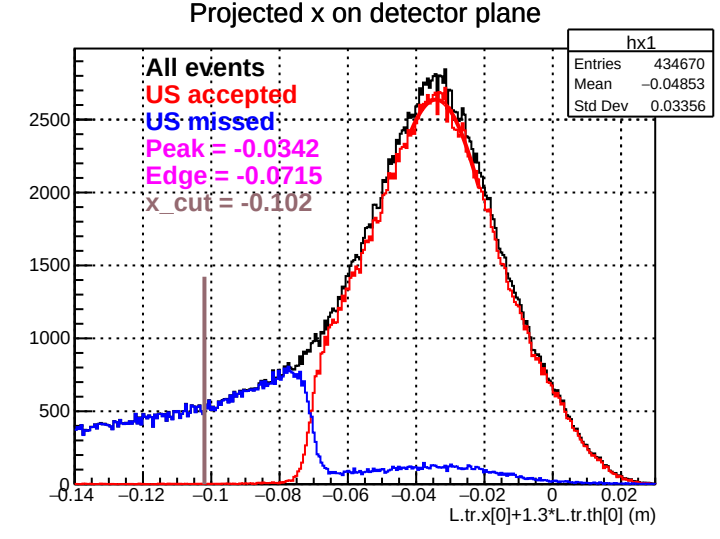

Stretched Asym. (ppm),  xCut = -0.100 m
SAsym
Entries 276811
Mean 0.5547
Std Dev 0.07986
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

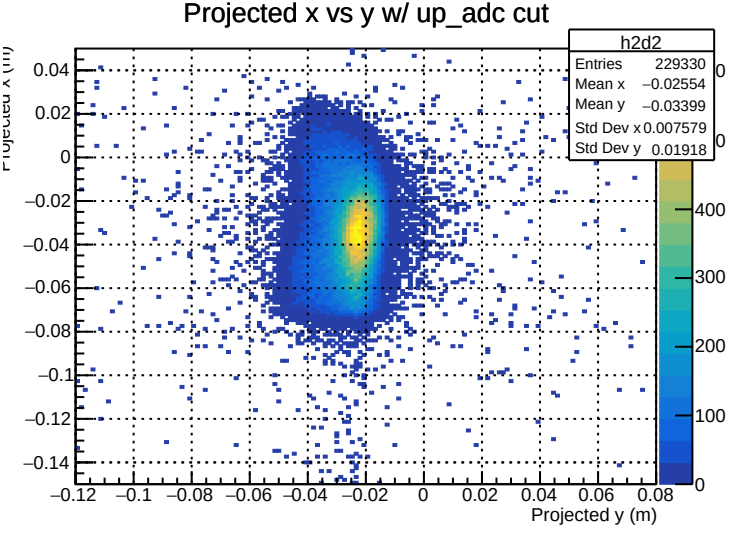

$Q^2$ (GeV/c)$^2$, xCut = -0.100 m
Q2
Entries 276811
Mean 0.006297
Std Dev 0.001283
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

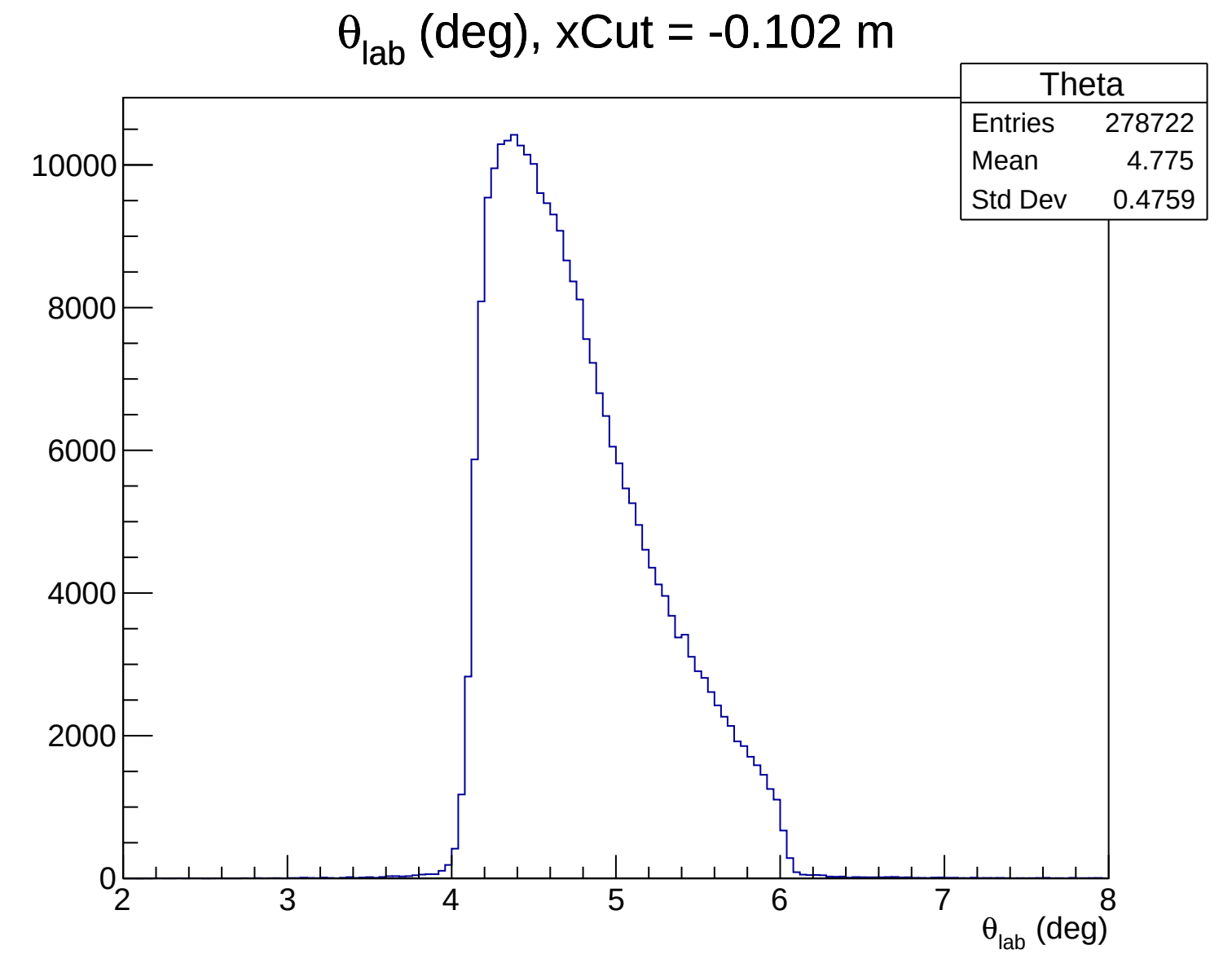

Sensitivity, xCut = -0.100 m
sens
Entries 276811
Mean 0.0221
Std Dev 0.004074
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

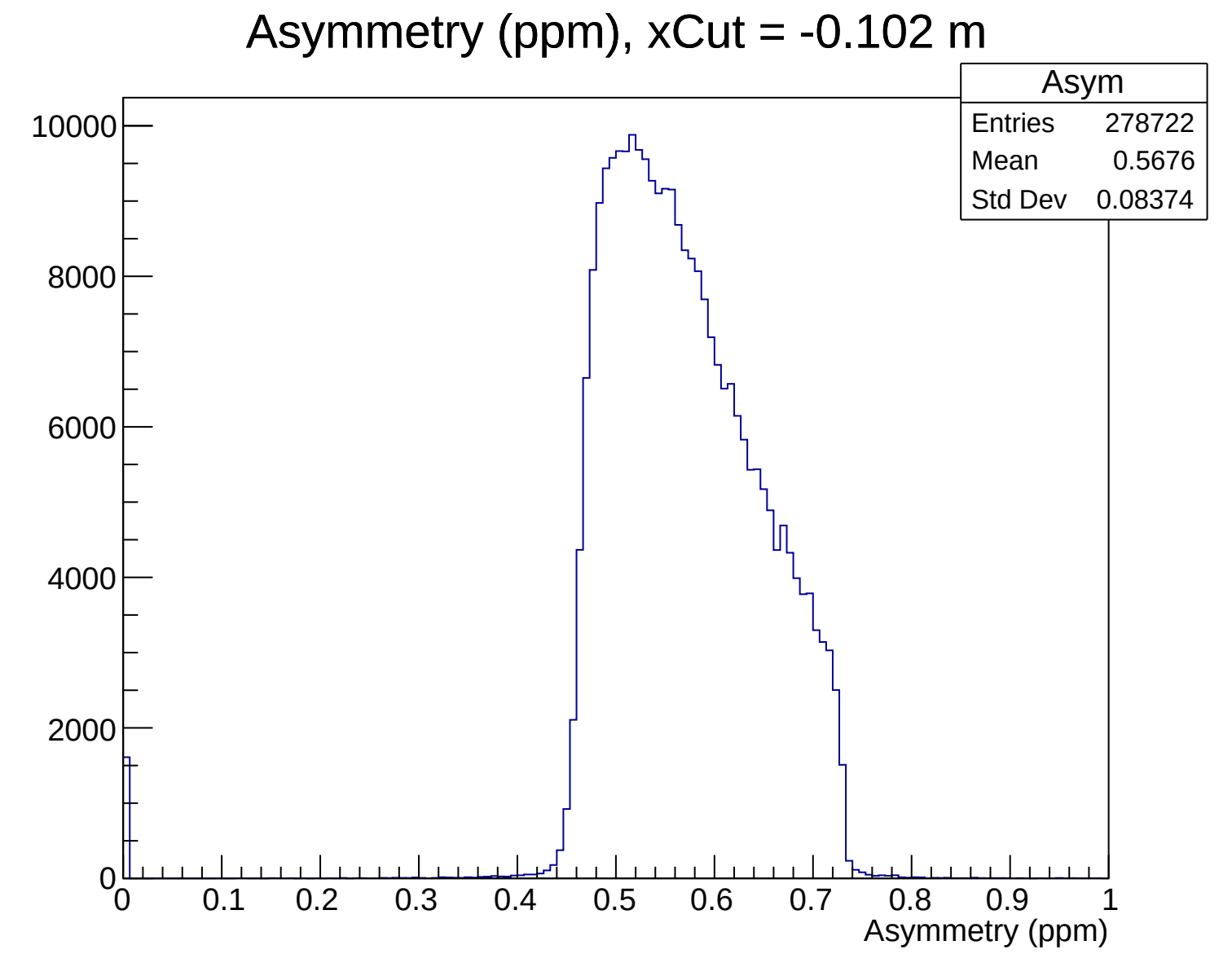

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

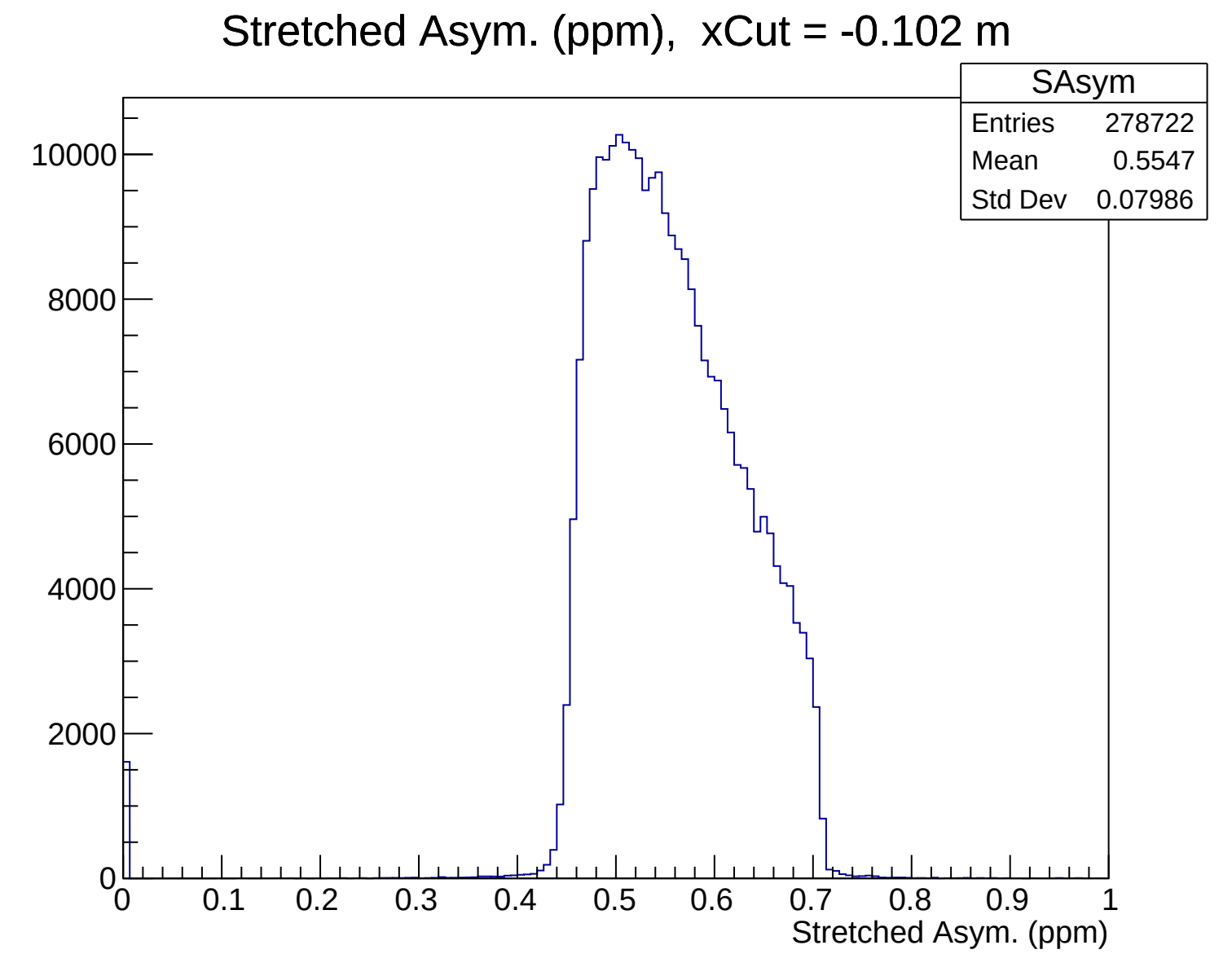

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

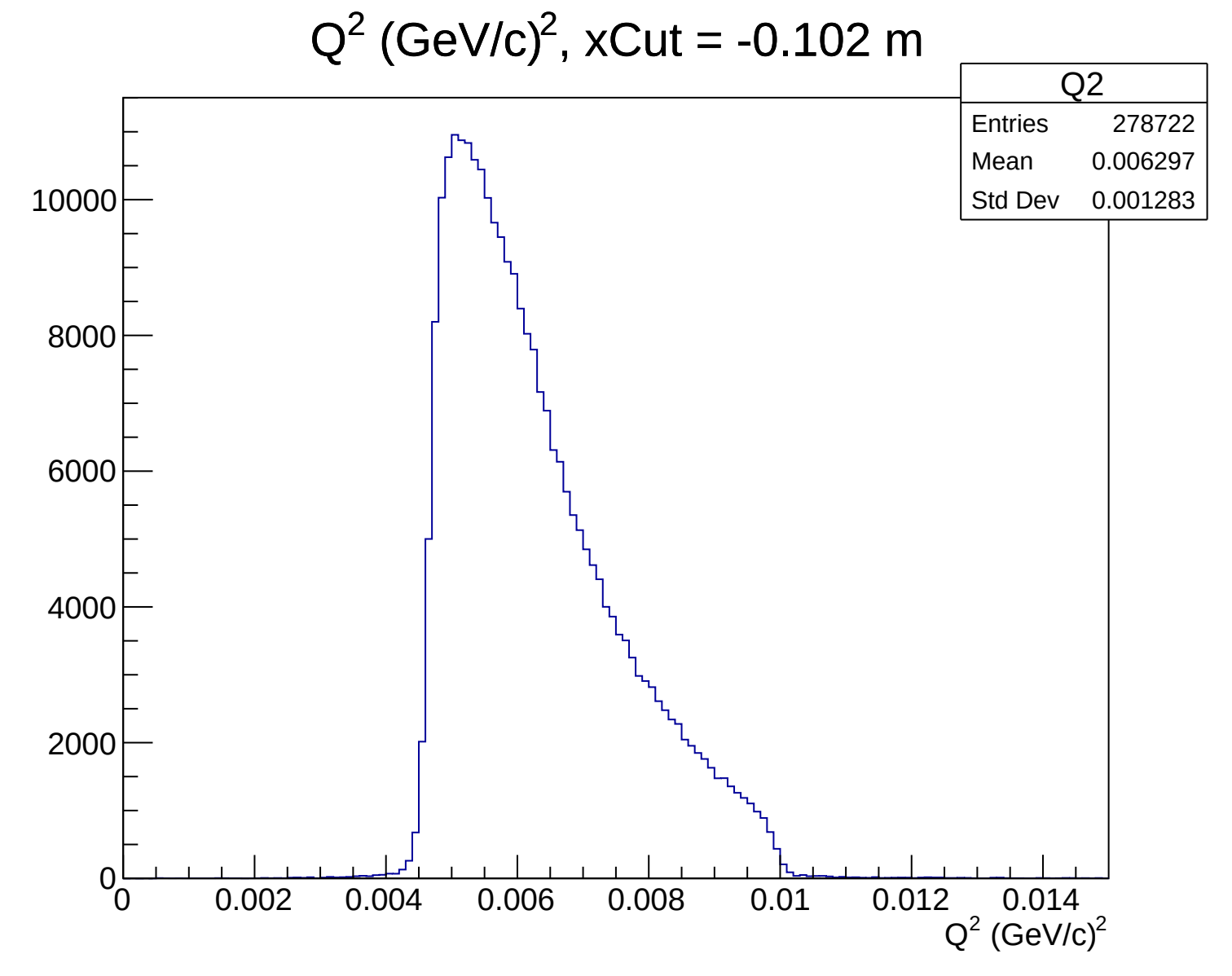

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.102
L.tr.x[0]+1.3*L.tr.th[0] (m)

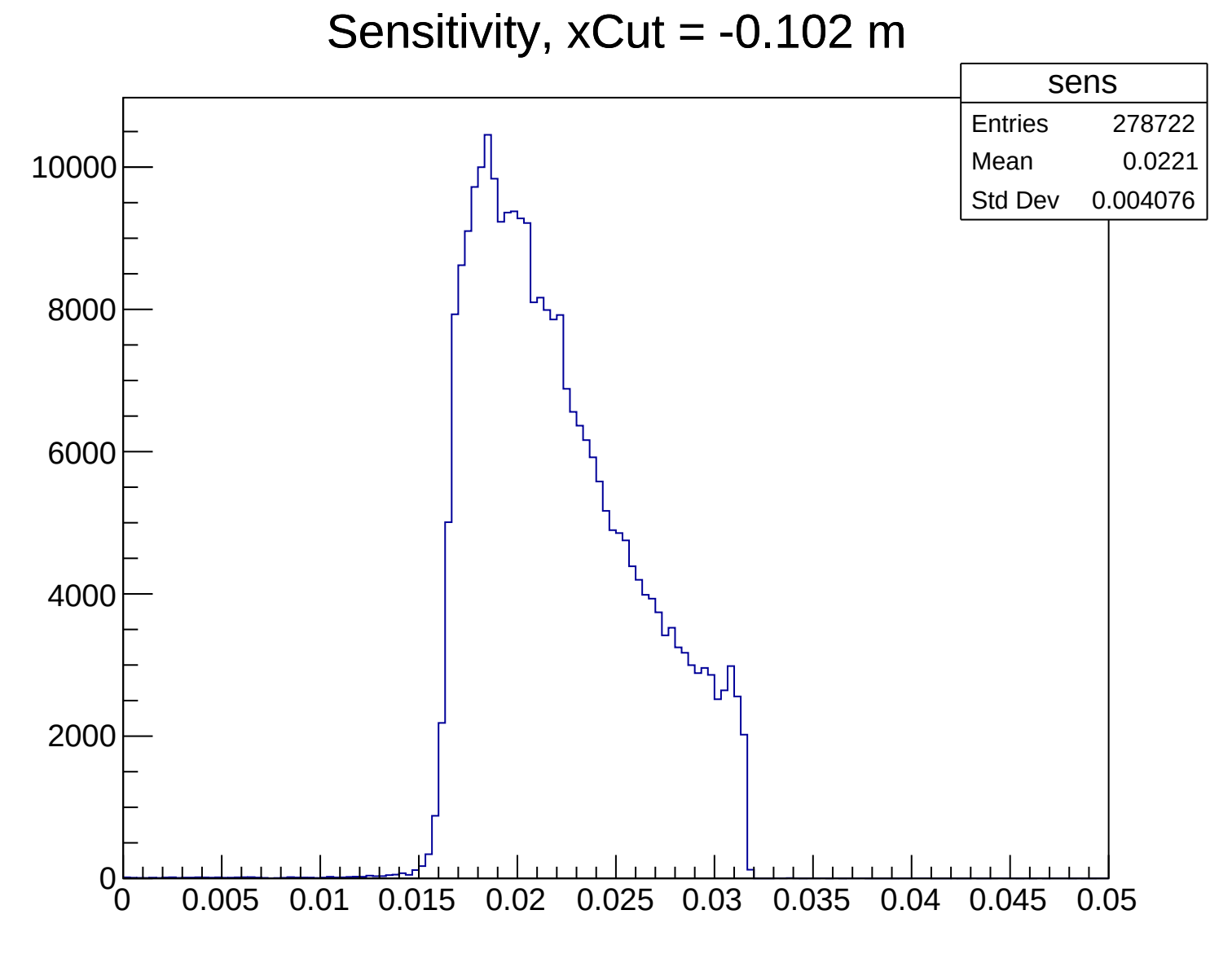

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

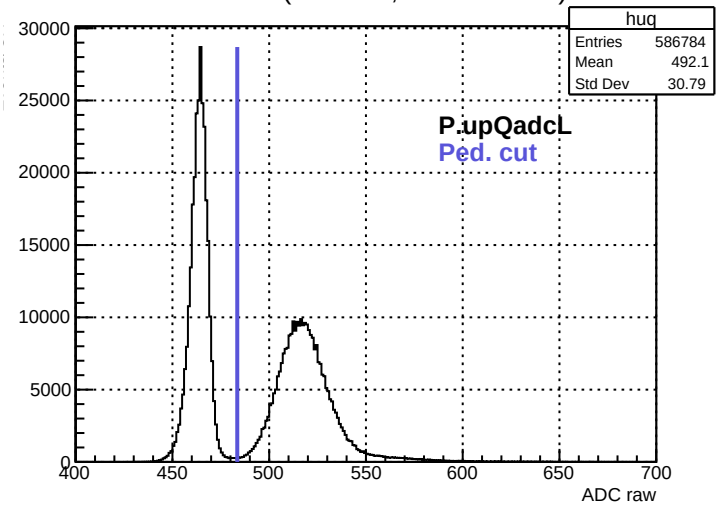

θlab (deg), xCut = -0.102 m
Theta
Entries 278722
Mean 4.775
Std Dev 0.4759
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

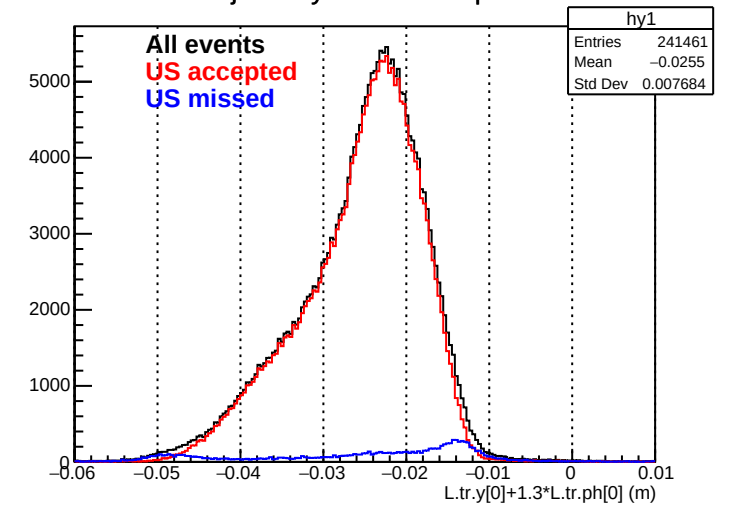

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 278722
Mean 0.5676
Std Dev 0.08374
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

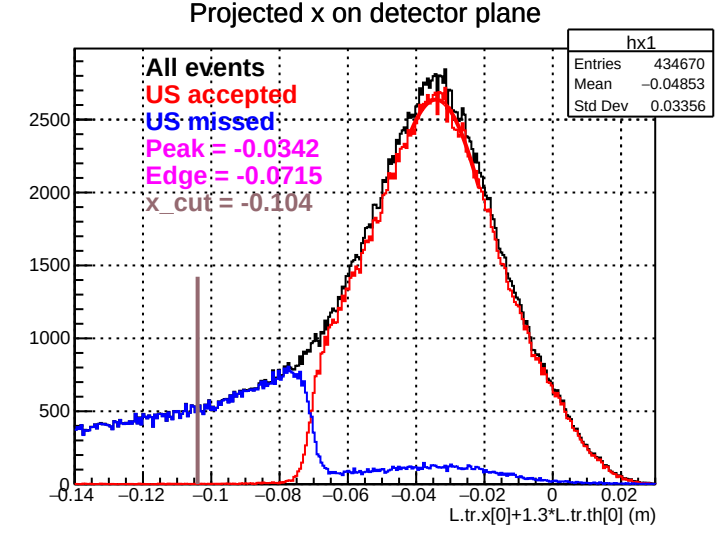

Stretched Asym. (ppm),  xCut = -0.102 m
SAsym
Entries 278722
Mean 0.5547
Std Dev 0.07986
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

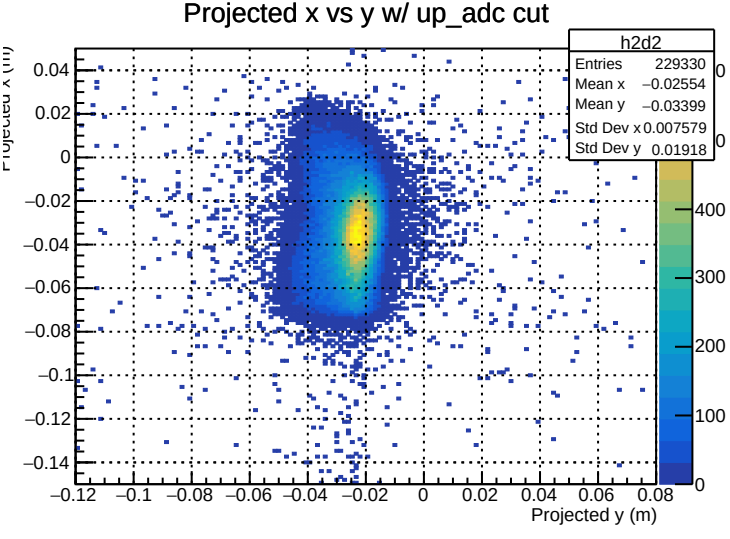

$Q^2$ (GeV/c)$^2$, xCut = -0.102 m
Q2
Entries 278722
Mean 0.006297
Std Dev 0.001283
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

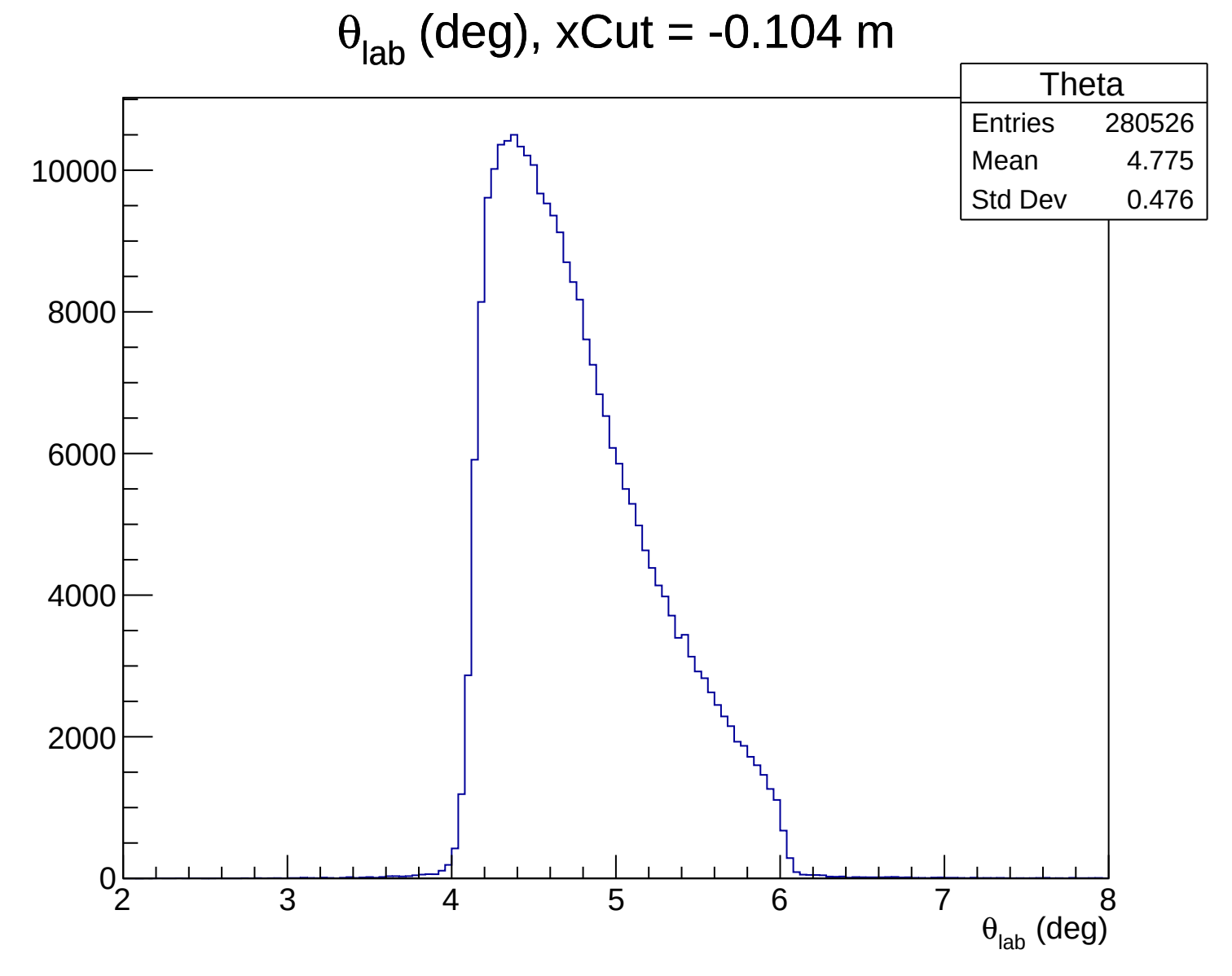

Sensitivity, xCut = -0.102 m
sens
Entries 278722
Mean 0.0221
Std Dev 0.004076
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

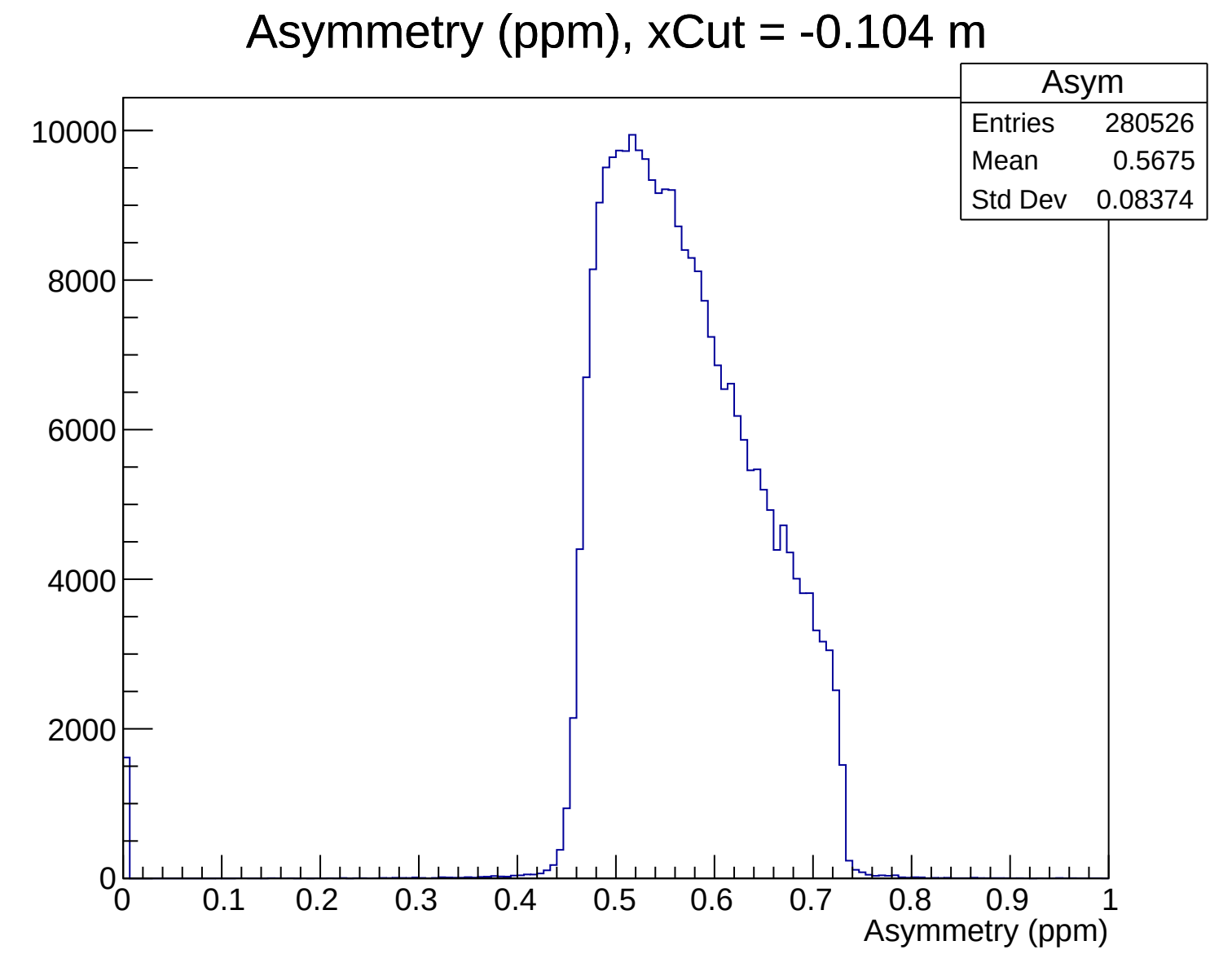

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

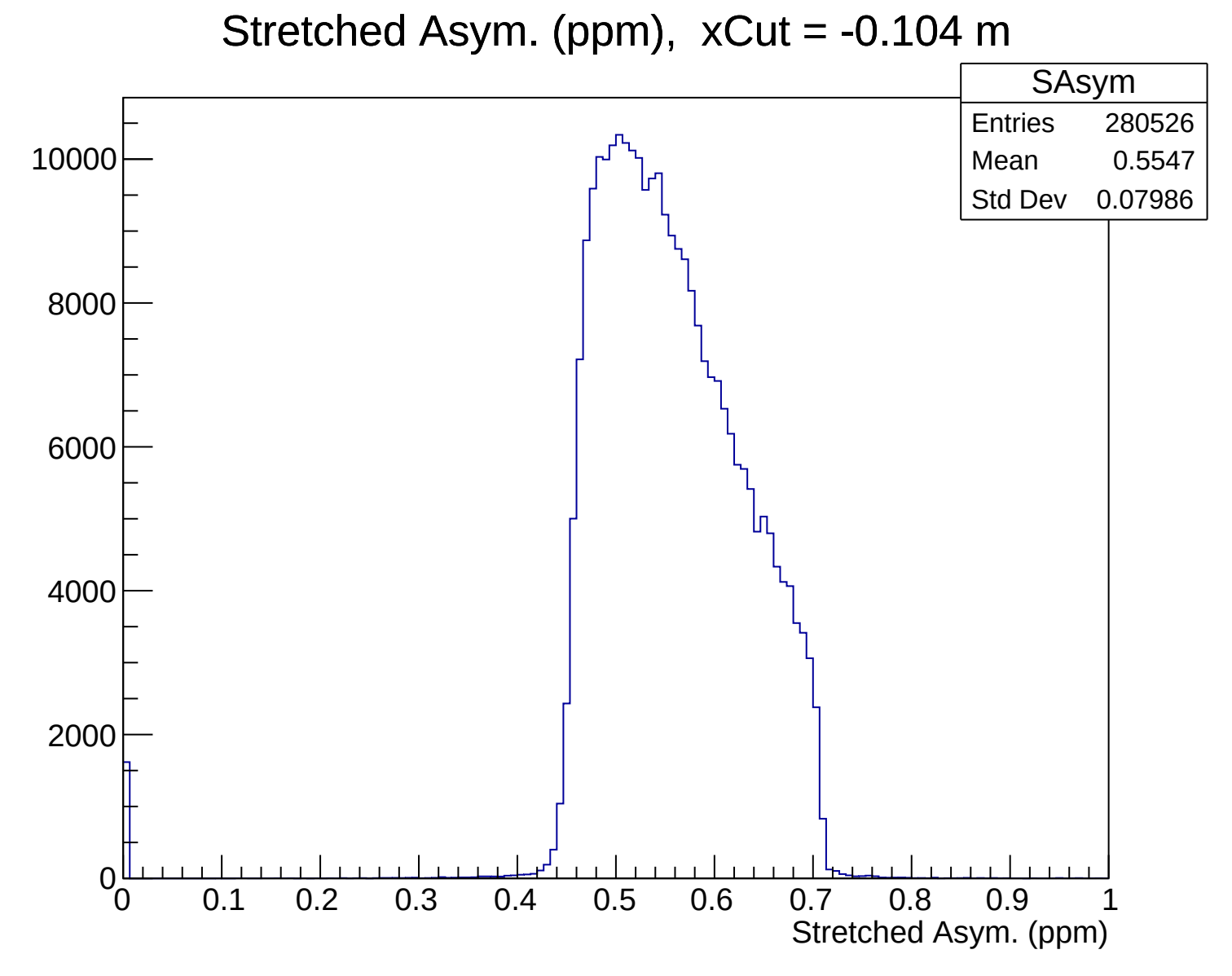

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

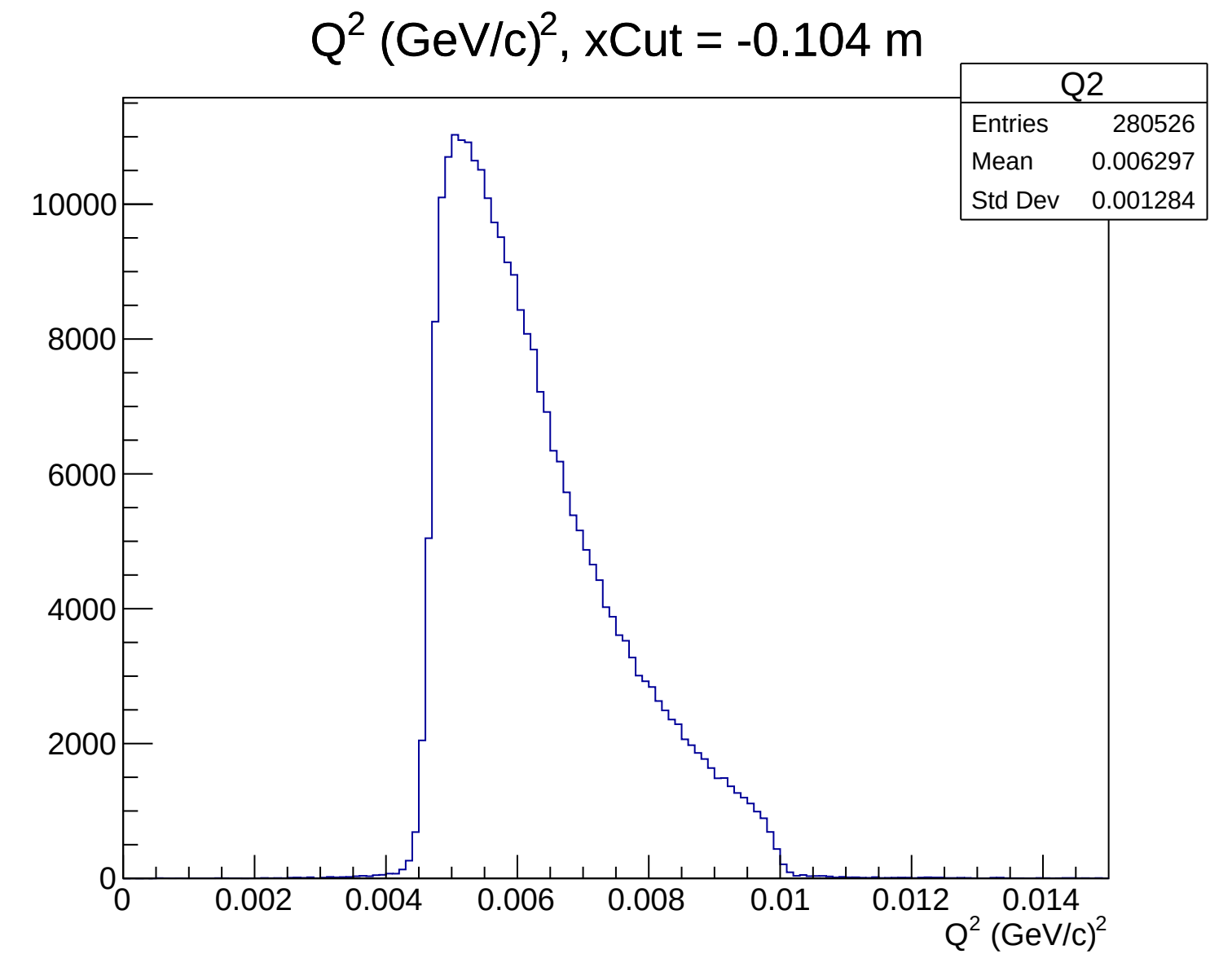

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

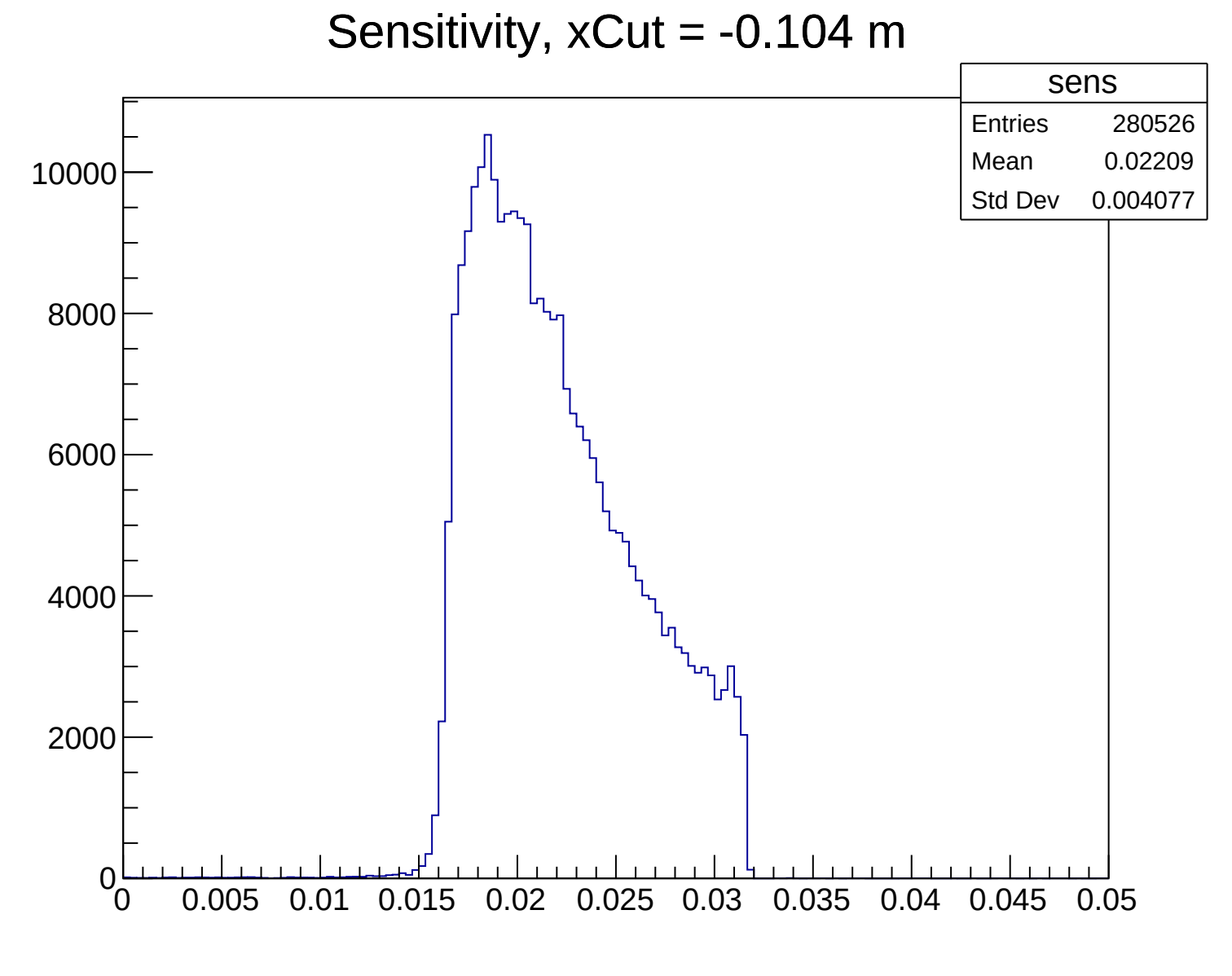

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

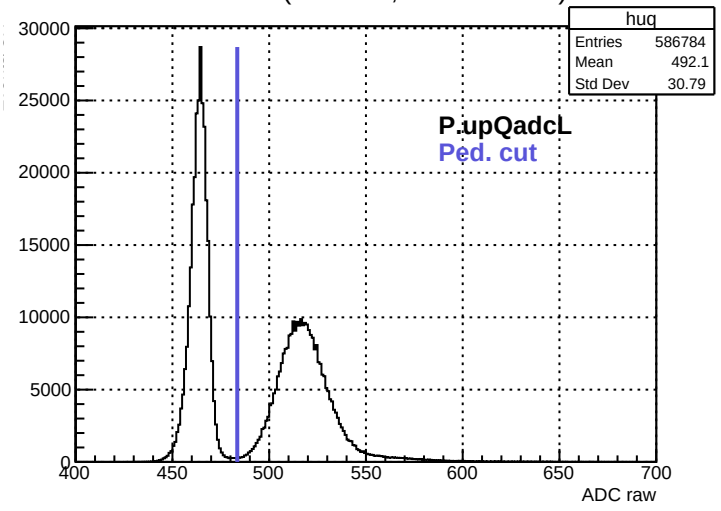

θlab (deg), xCut = -0.104 m
Theta
Entries 280526
Mean 4.775
Std Dev 0.476
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

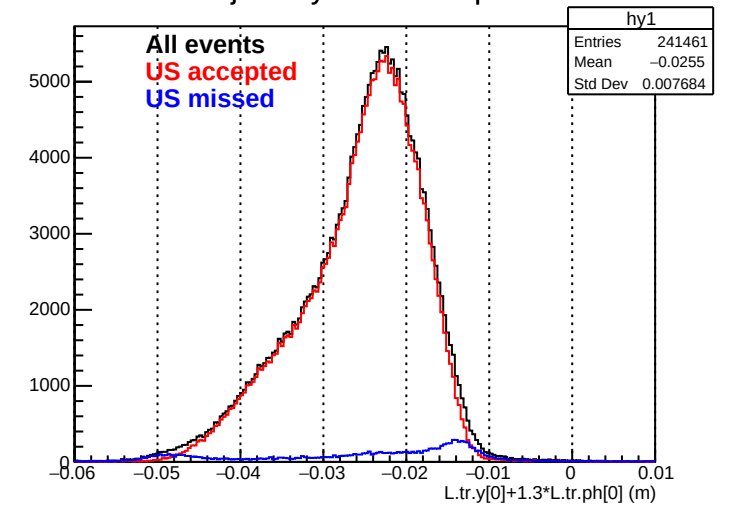

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 280526
Mean 0.5675
Std Dev 0.08374
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

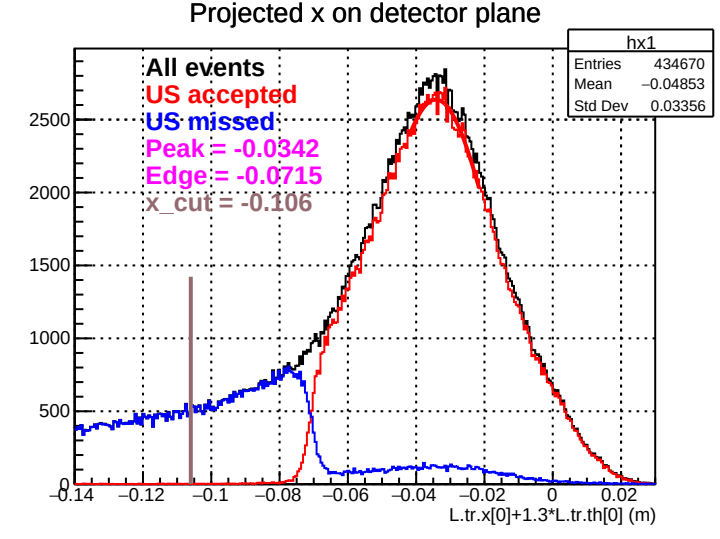

Stretched Asym. (ppm),  xCut = -0.104 m
SAsym
Entries 280526
Mean 0.5547
Std Dev 0.07986
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

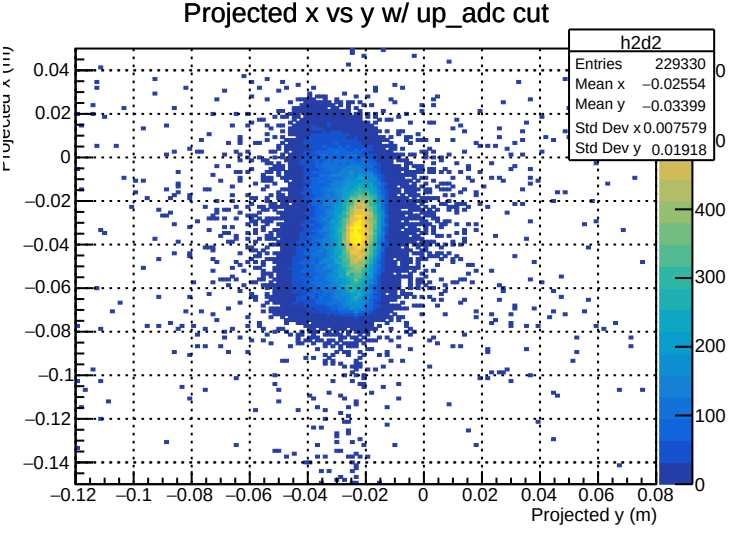

$Q^2$ (GeV/c)$^2$, xCut = -0.104 m
Q2
Entries 280526
Mean 0.006297
Std Dev 0.001284
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

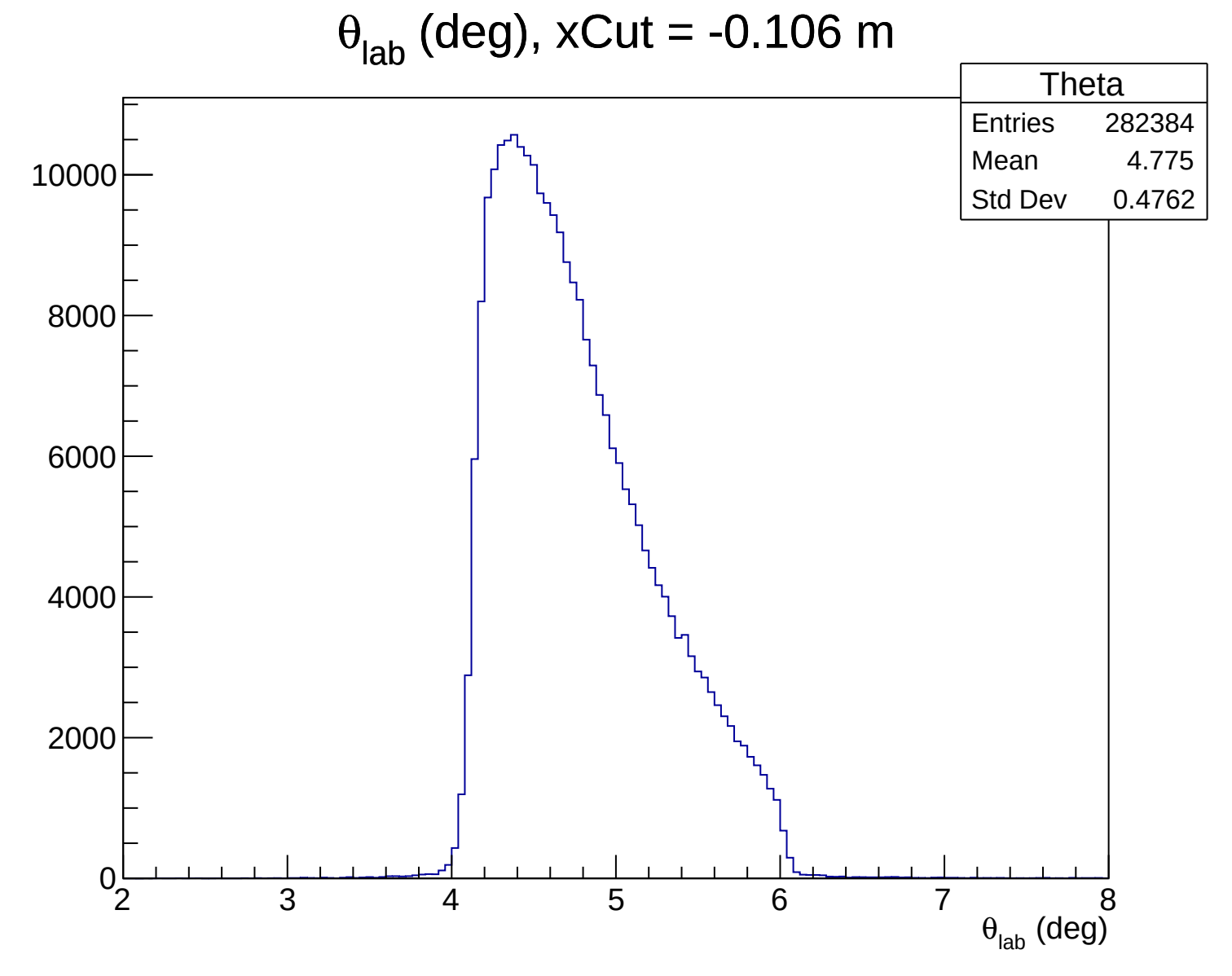

Sensitivity, xCut = -0.104 m
sens
Entries 280526
Mean 0.02209
Std Dev 0.004077
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

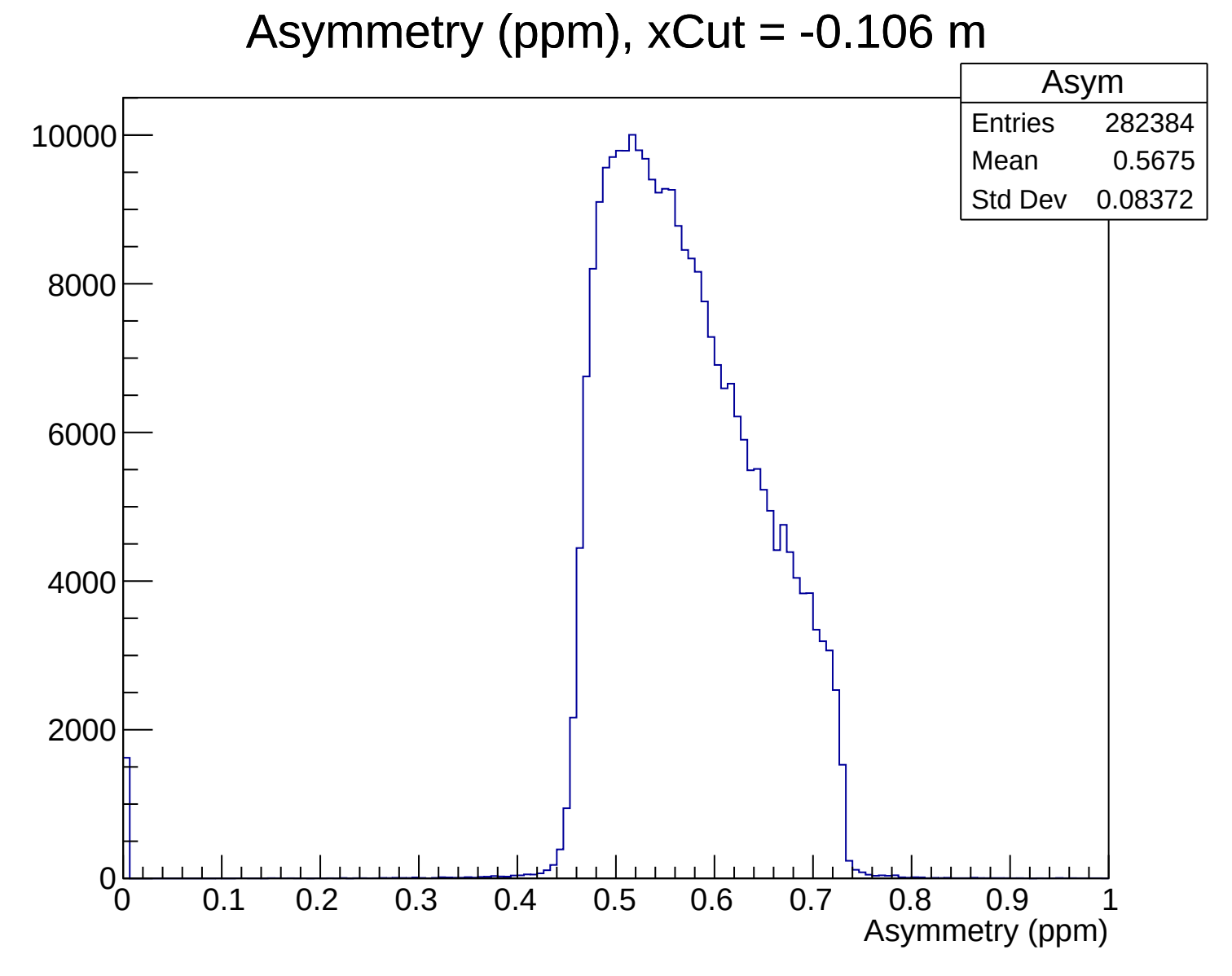

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

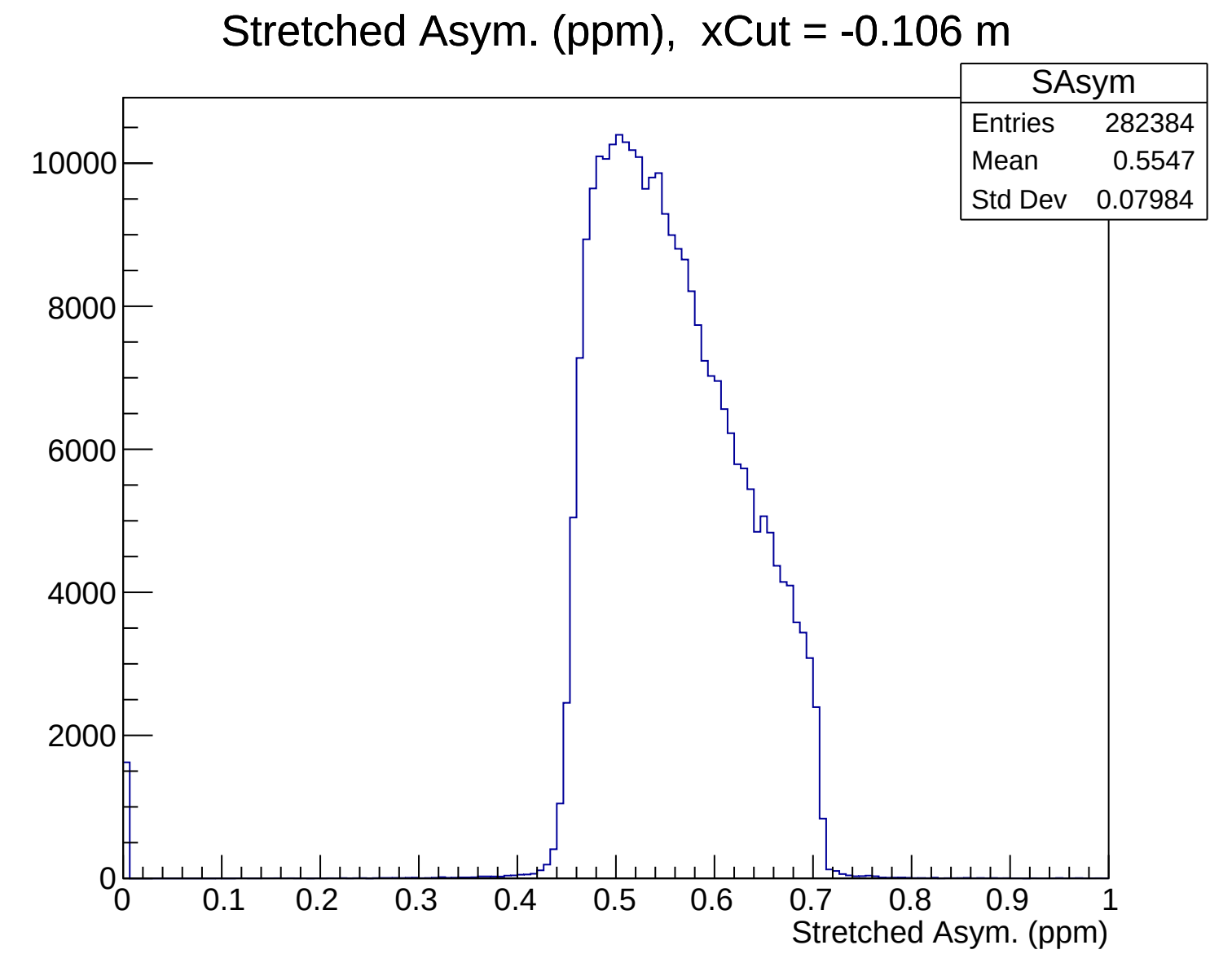

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

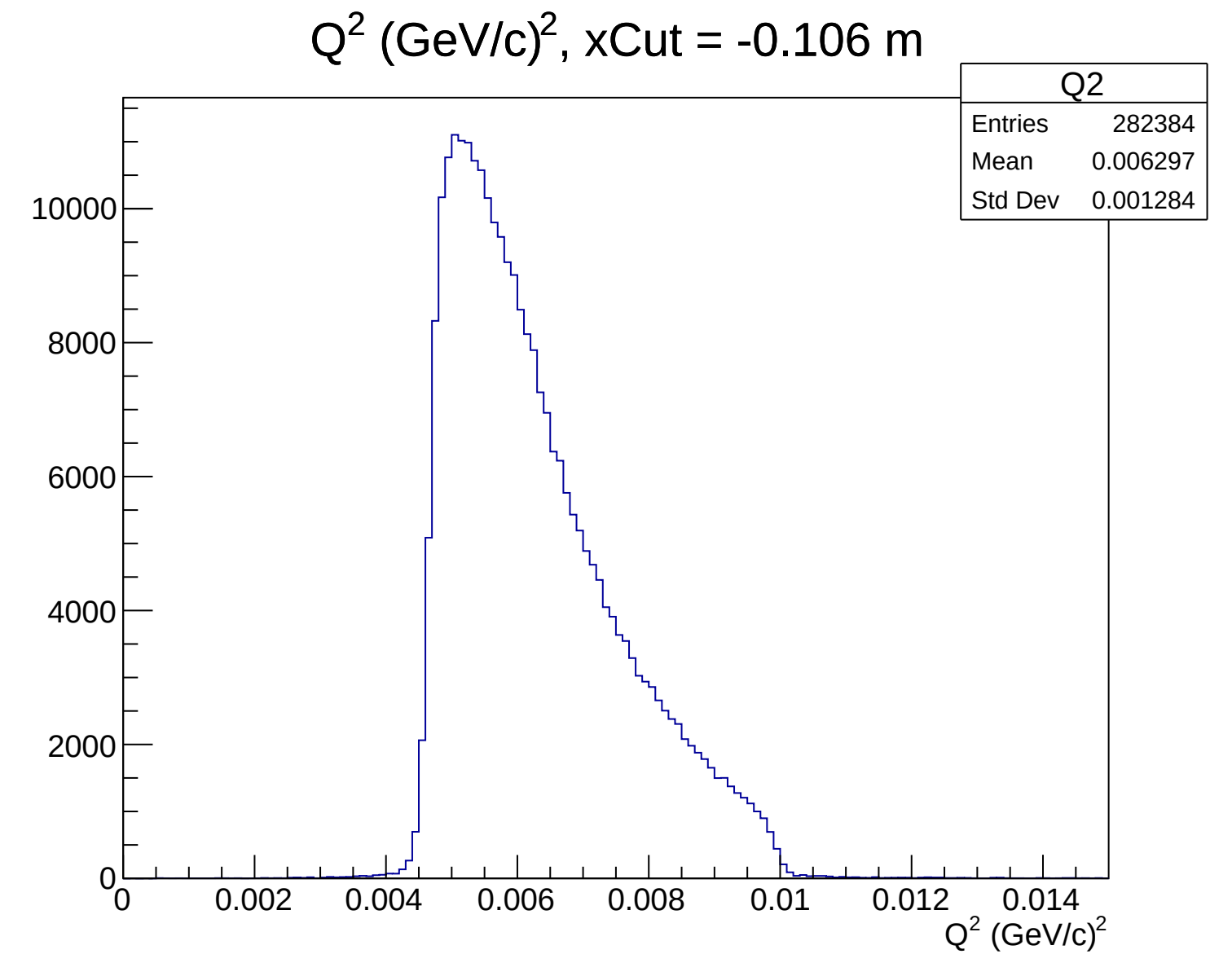

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.106
L.tr.x[0]+1.3*L.tr.th[0] (m)

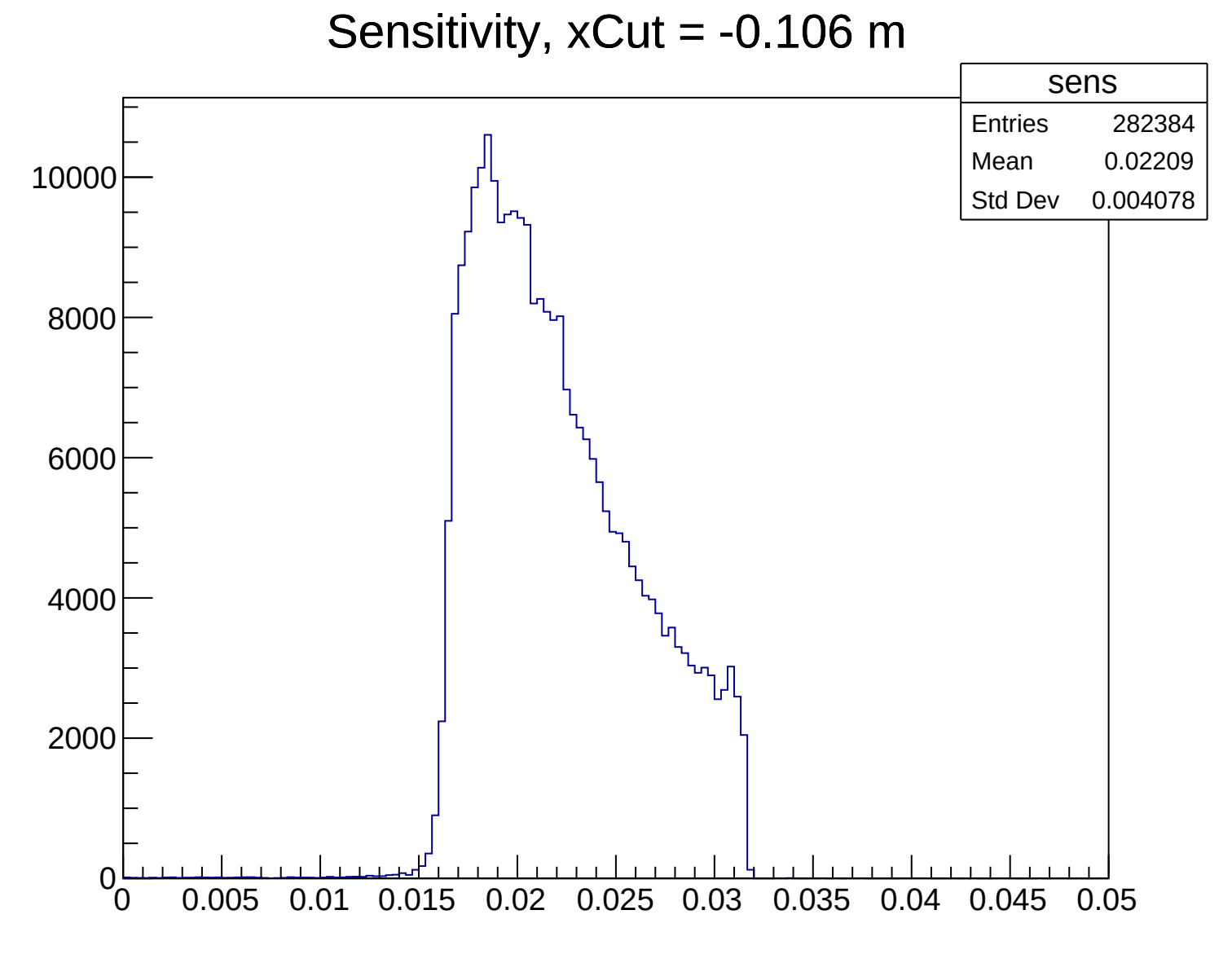

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

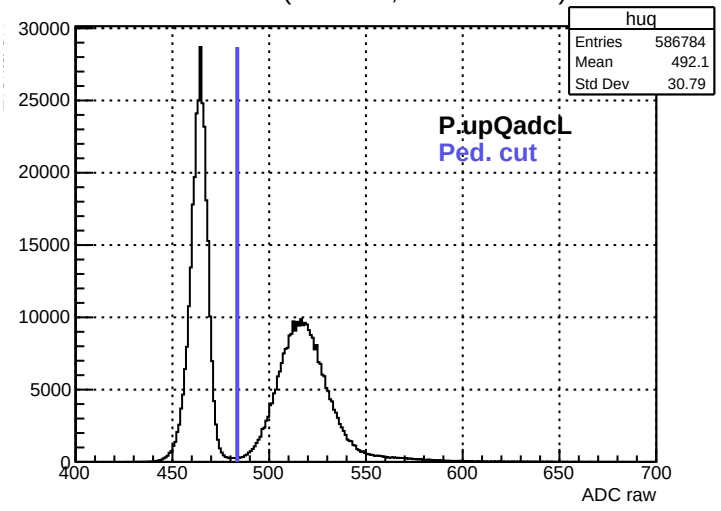

θlab (deg), xCut = -0.106 m
Theta
Entries 282384
Mean 4.775
Std Dev 0.4762
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

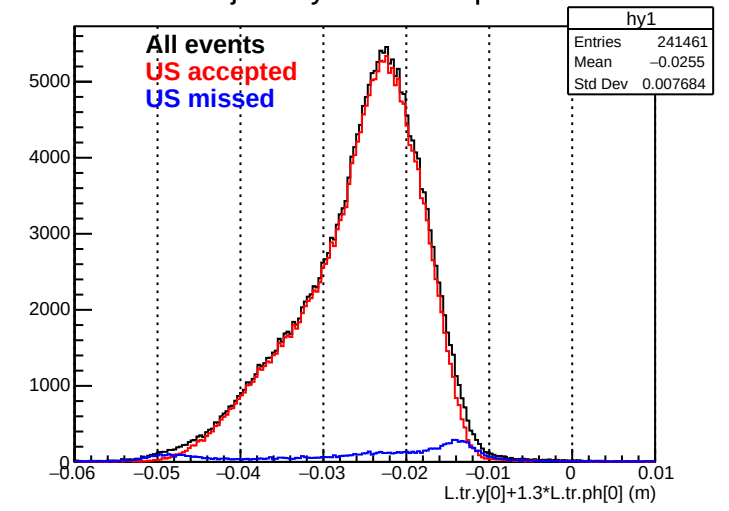

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 282384
Mean 0.5675
Std Dev 0.08372
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

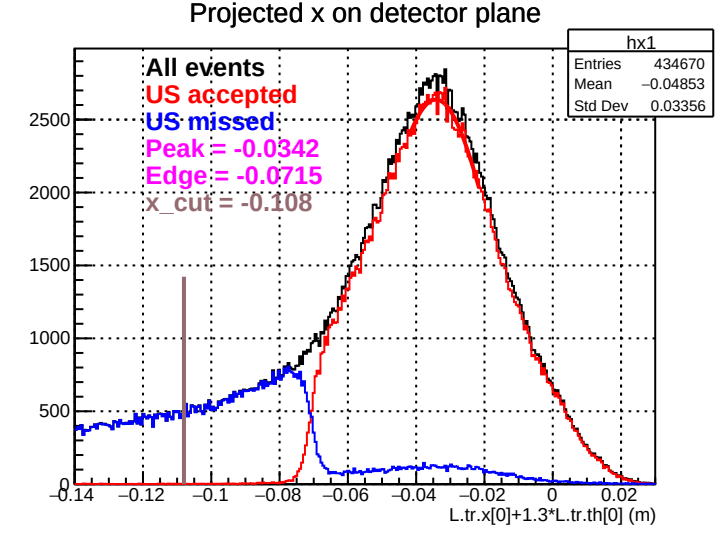

Stretched Asym. (ppm),  xCut = -0.106 m
SAsym
Entries 282384
Mean 0.5547
Std Dev 0.07984
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

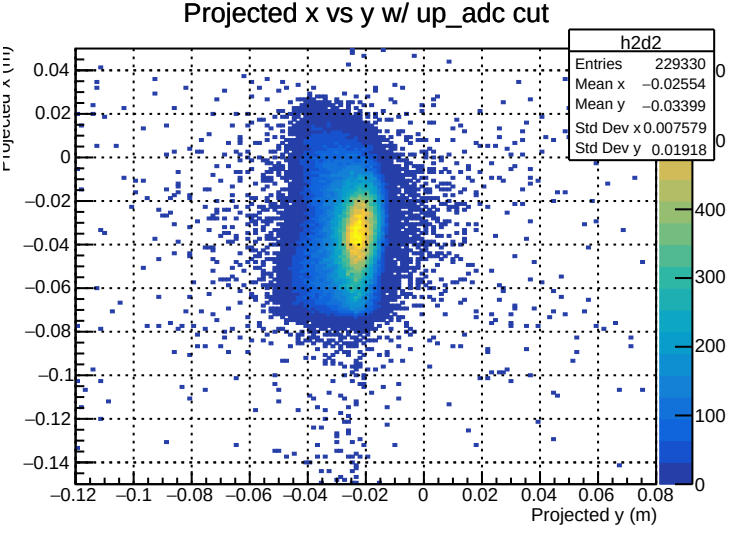

$Q^2$ (GeV/c)$^2$, xCut = -0.106 m
Q2
Entries 282384
Mean 0.006297
Std Dev 0.001284
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

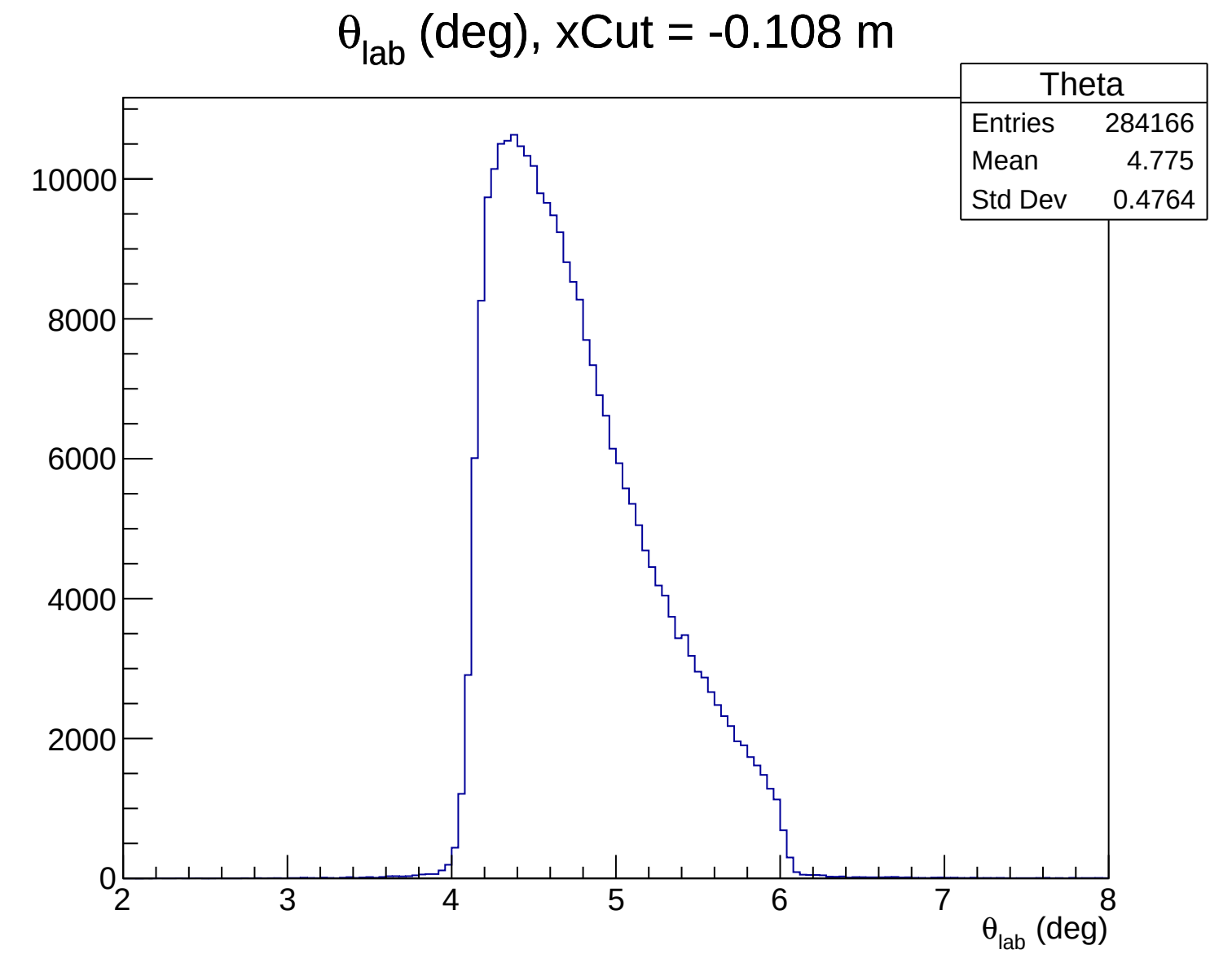

Sensitivity, xCut = -0.106 m
sens
Entries 282384
Mean 0.02209
Std Dev 0.004078
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

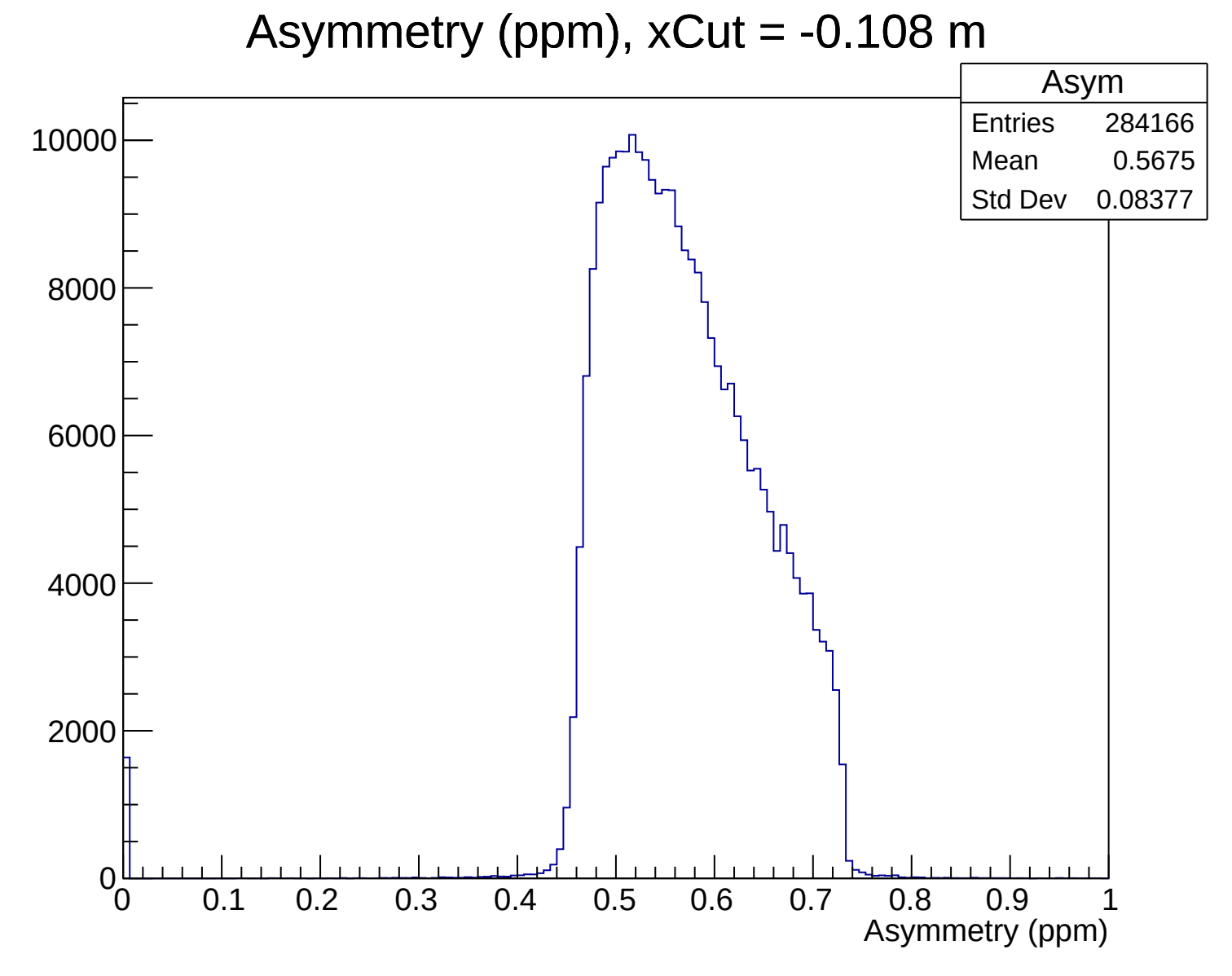

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

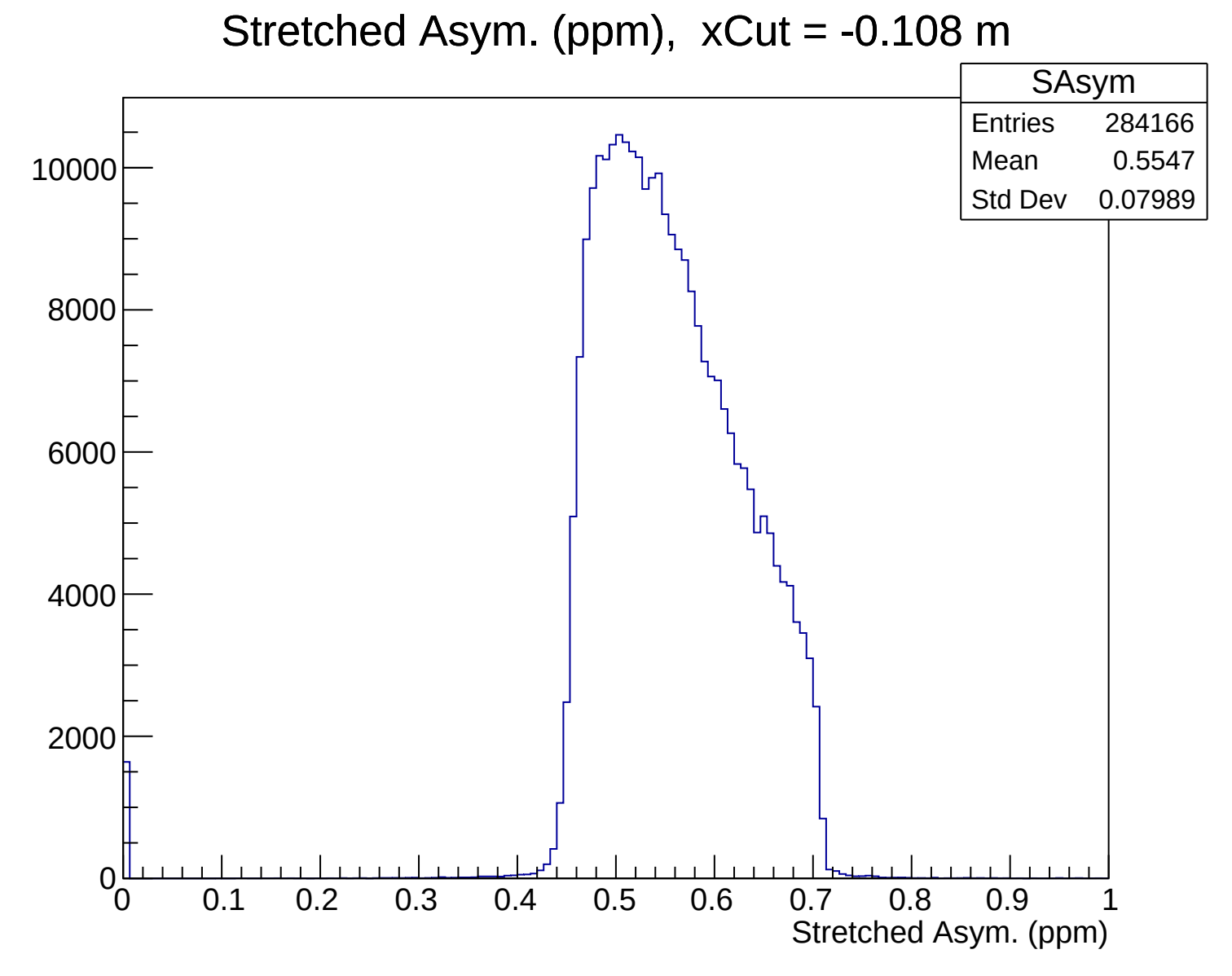

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

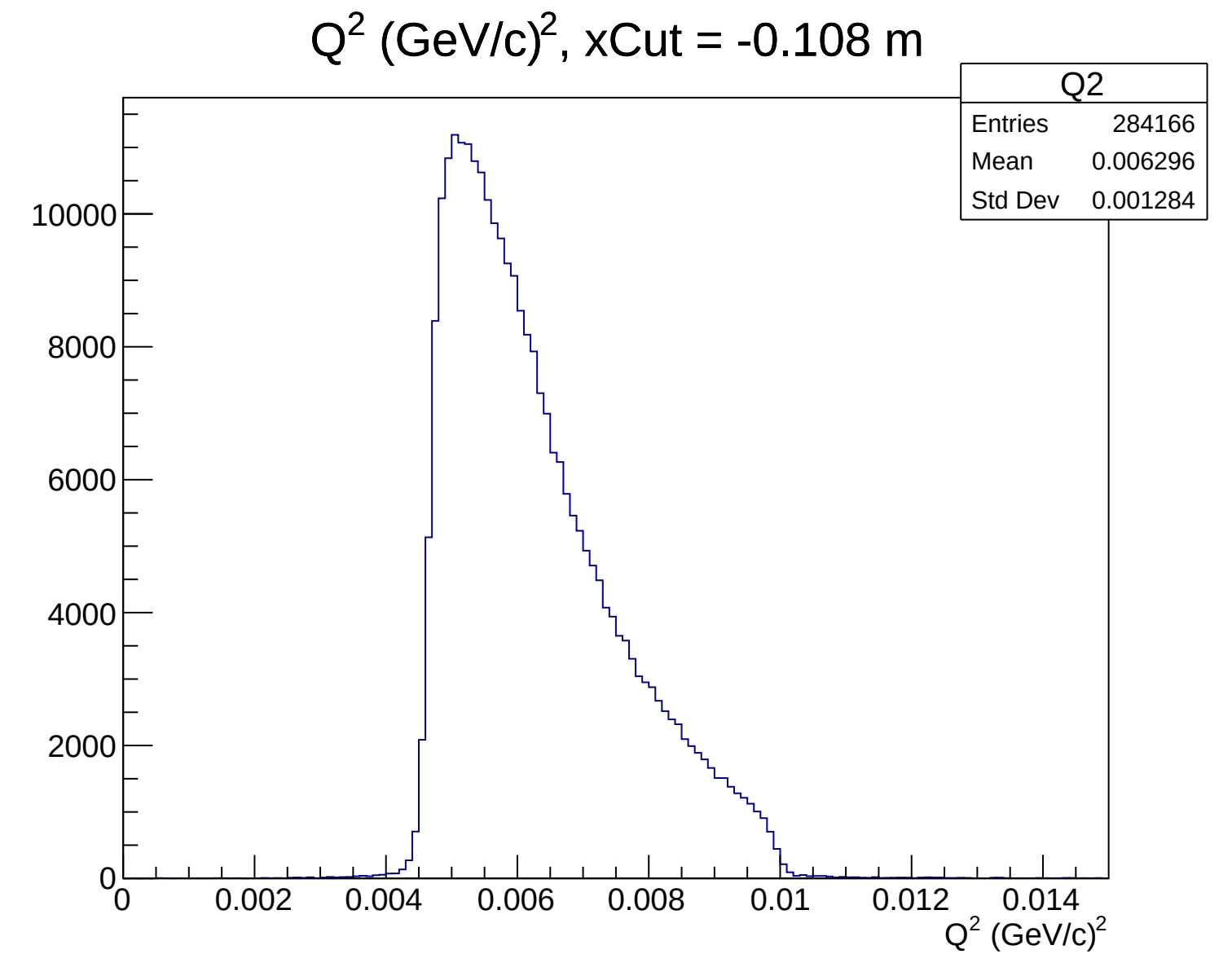

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.108
L.tr.x[0]+1.3*L.tr.th[0] (m)

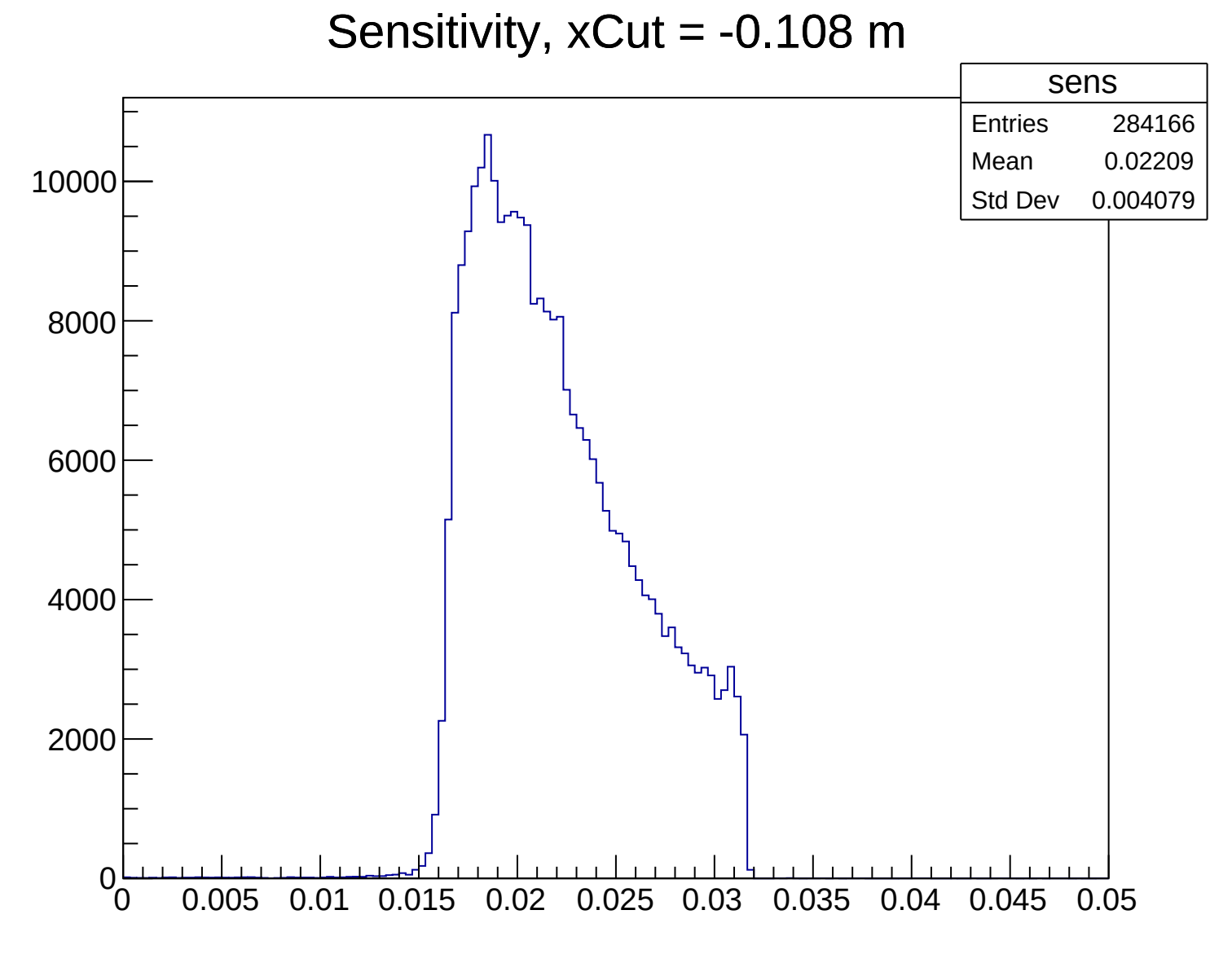

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

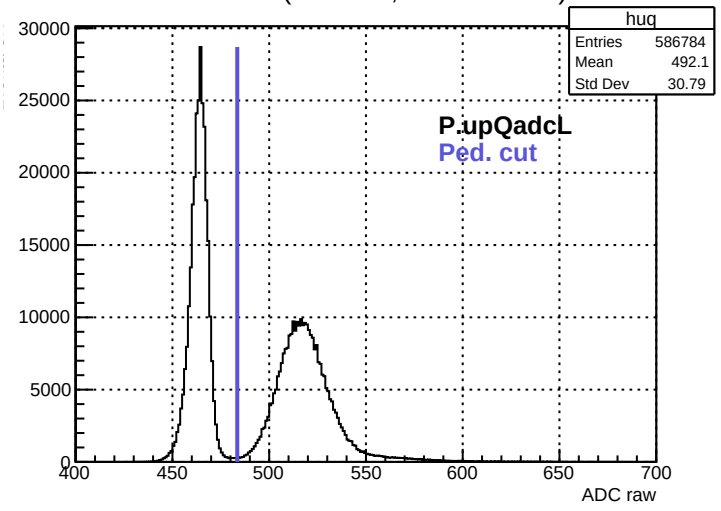

θlab (deg), xCut = -0.108 m
Theta
Entries 284166
Mean 4.775
Std Dev 0.4764
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

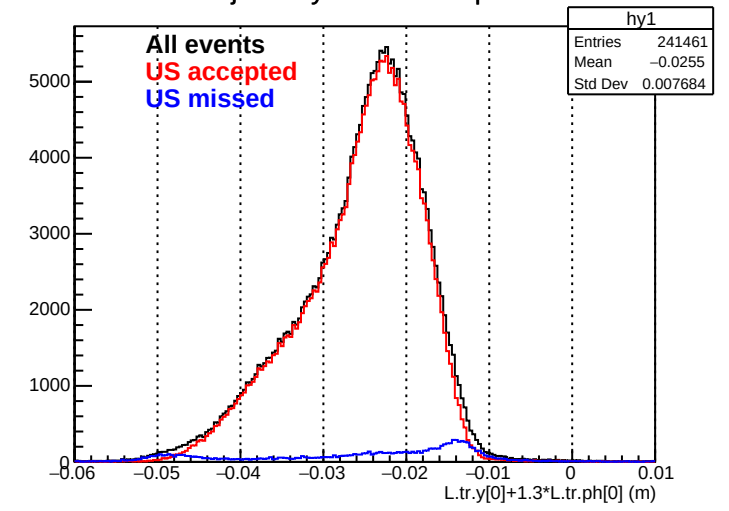

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 284166
Mean 0.5675
Std Dev 0.08377
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

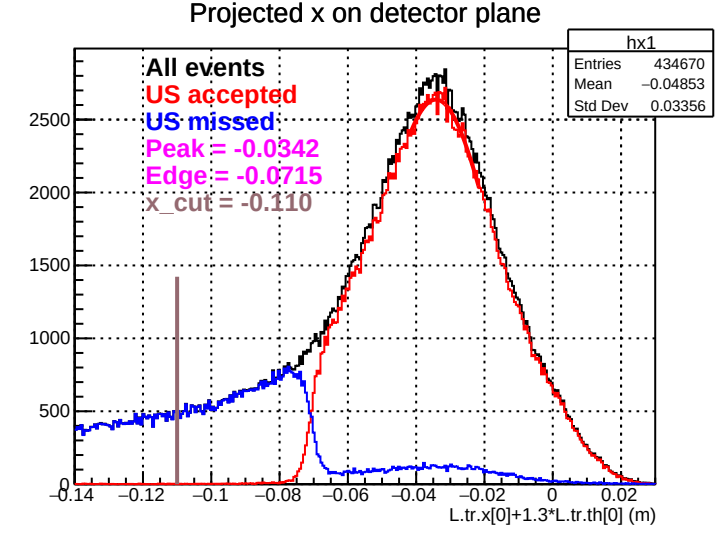

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 284166
Mean 0.5547
Std Dev 0.07989
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

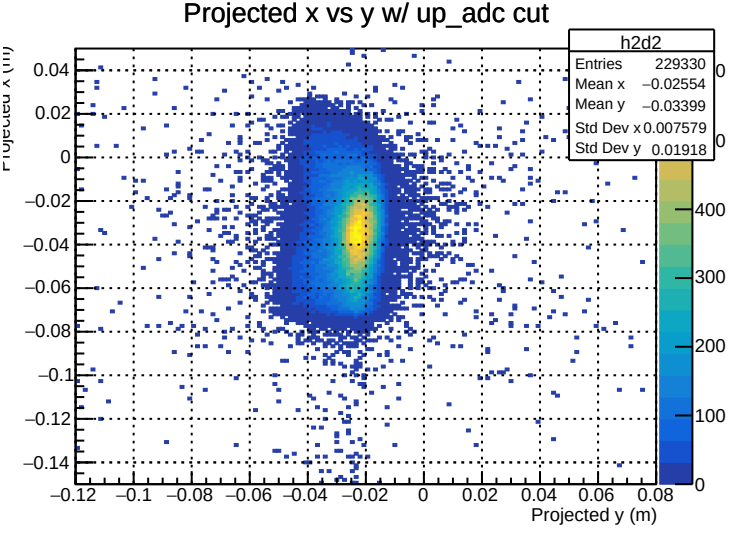

$Q^2$ (GeV/c)$^2$, xCut = -0.108 m
Q2
Entries 284166
Mean 0.006296
Std Dev 0.001284
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

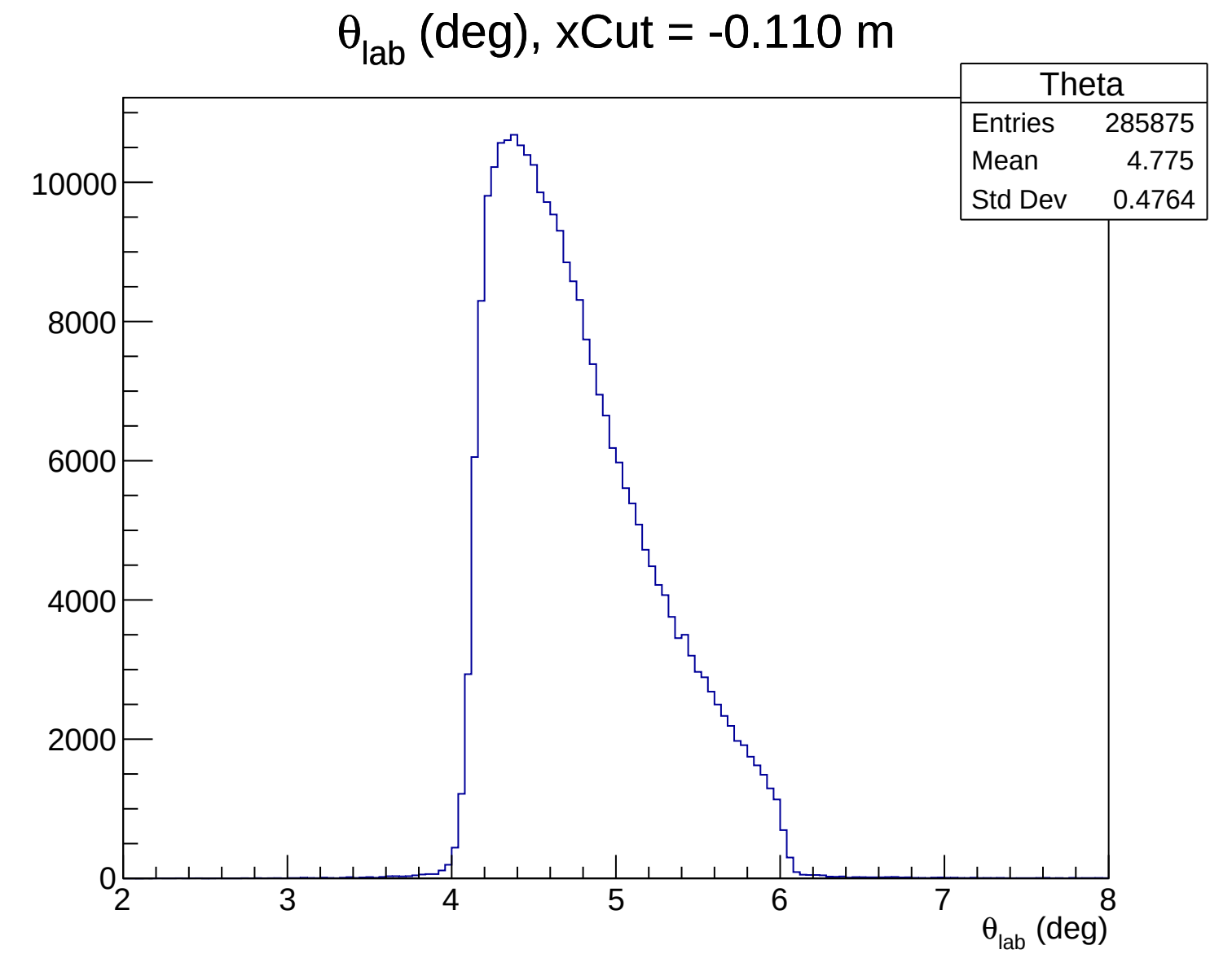

Sensitivity, xCut = -0.108 m
sens
Entries 284166
Mean 0.02209
Std Dev 0.004079
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

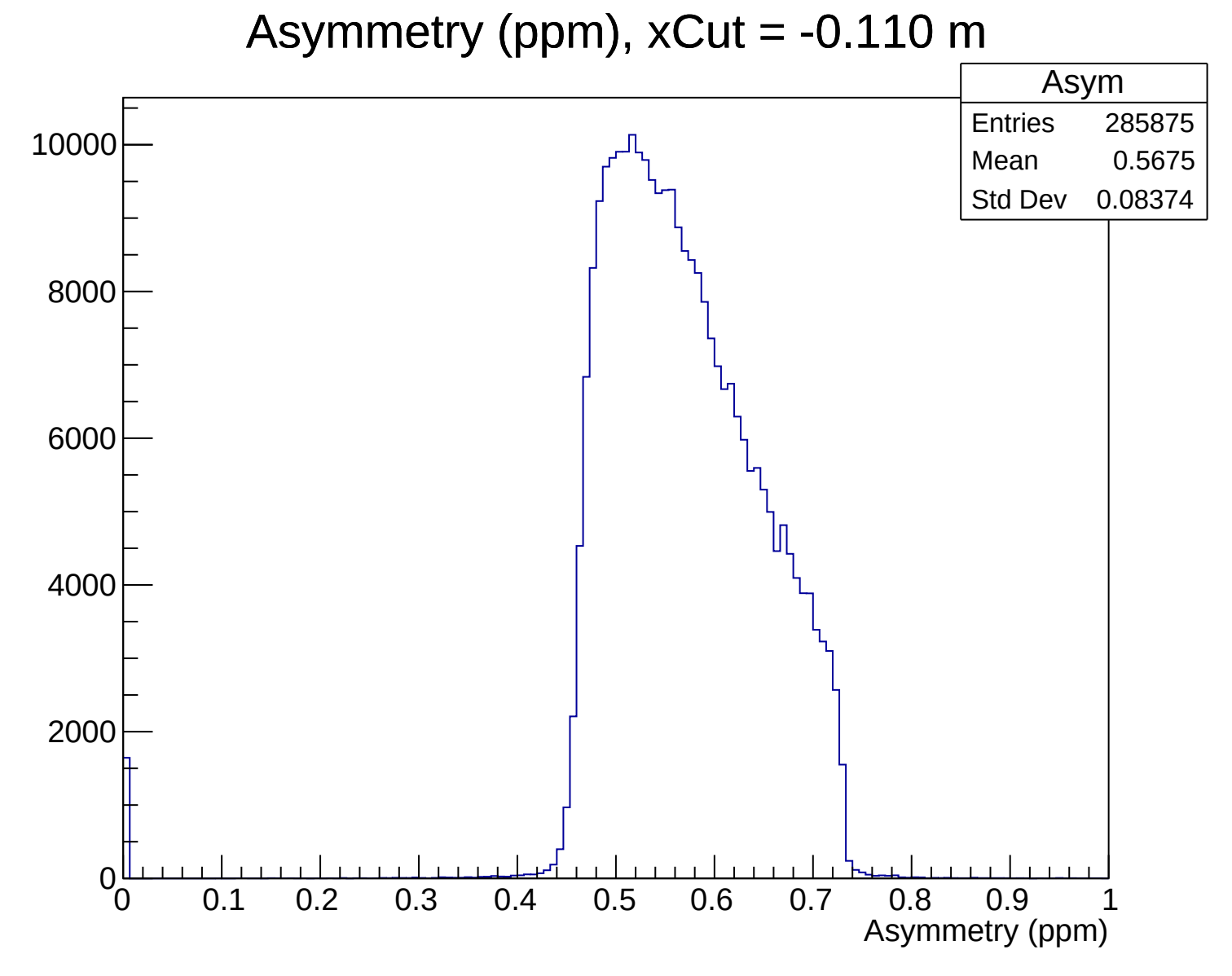

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

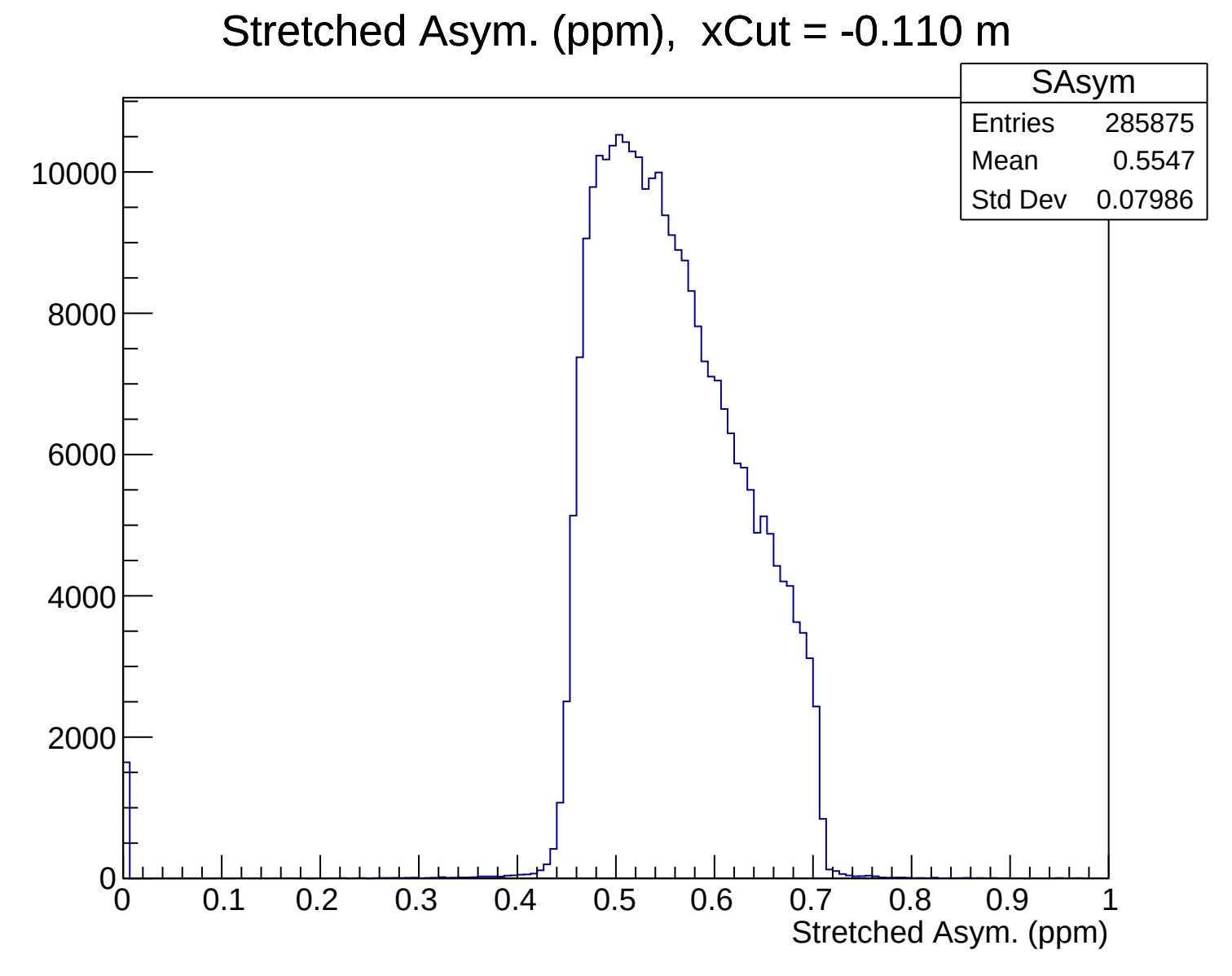

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

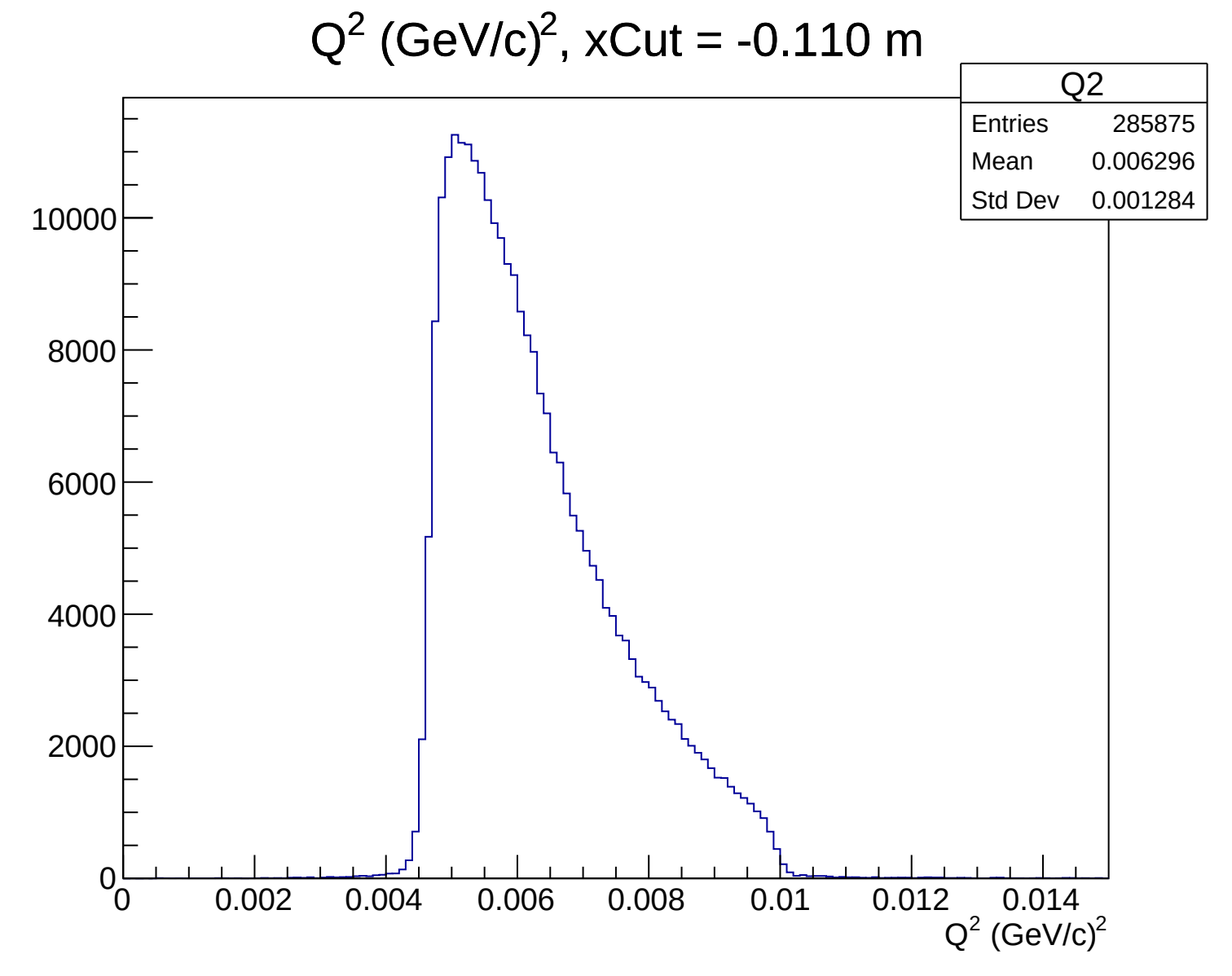

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.110
L.tr.x[0]+1.3*L.tr.th[0] (m)

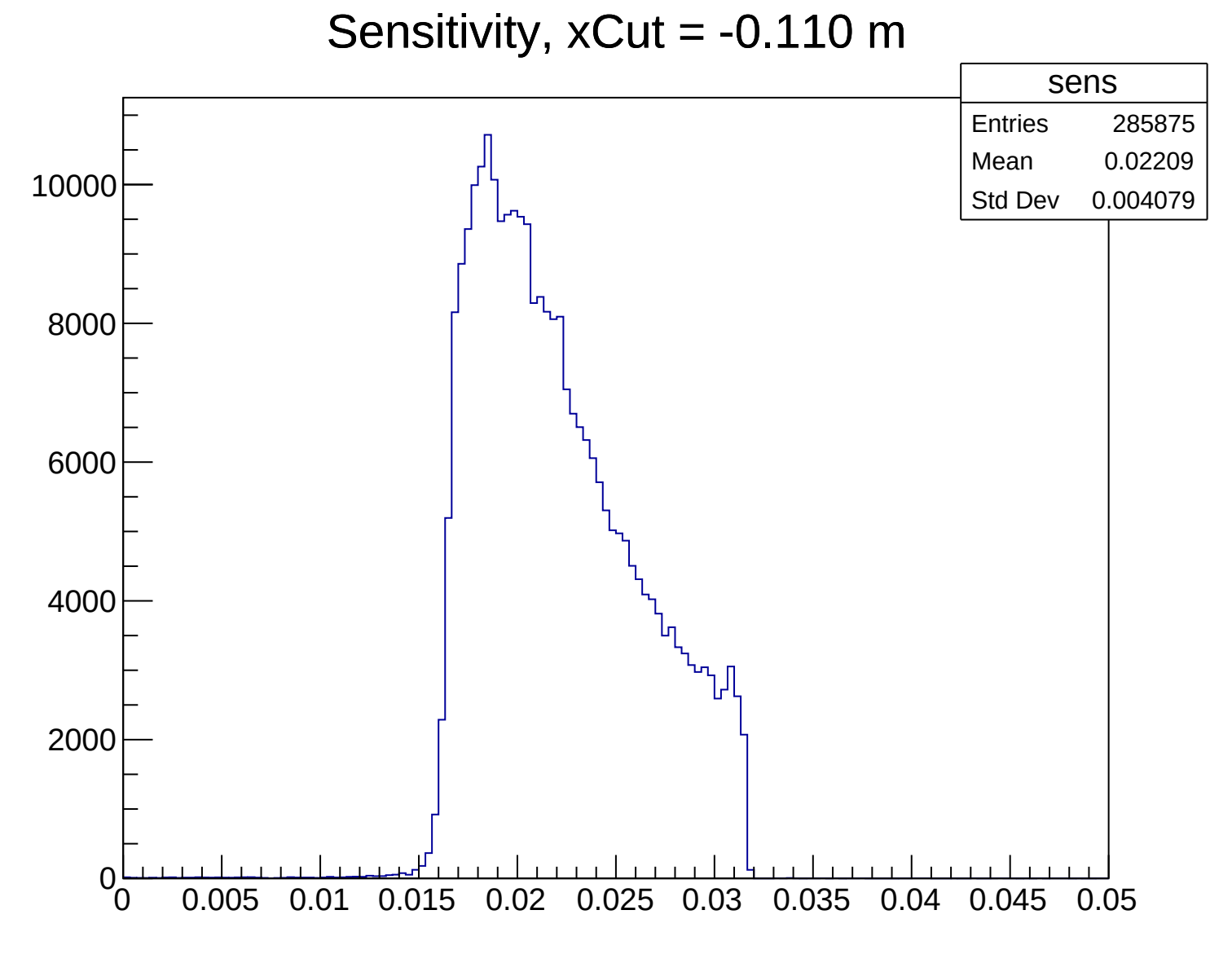

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

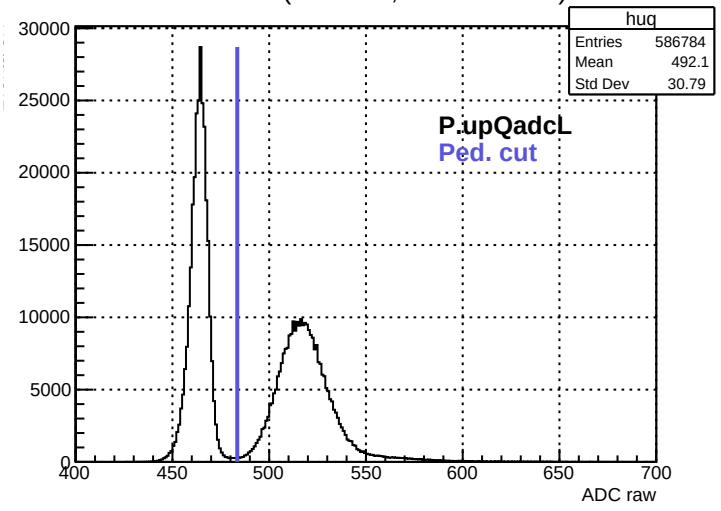

θlab (deg), xCut = -0.110 m
Theta
Entries 285875
Mean 4.775
Std Dev 0.4764
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

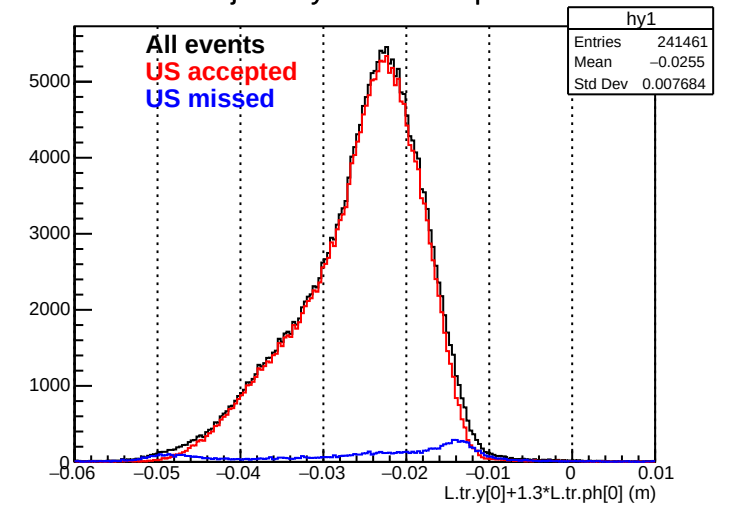

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 285875
Mean 0.5675
Std Dev 0.08374
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

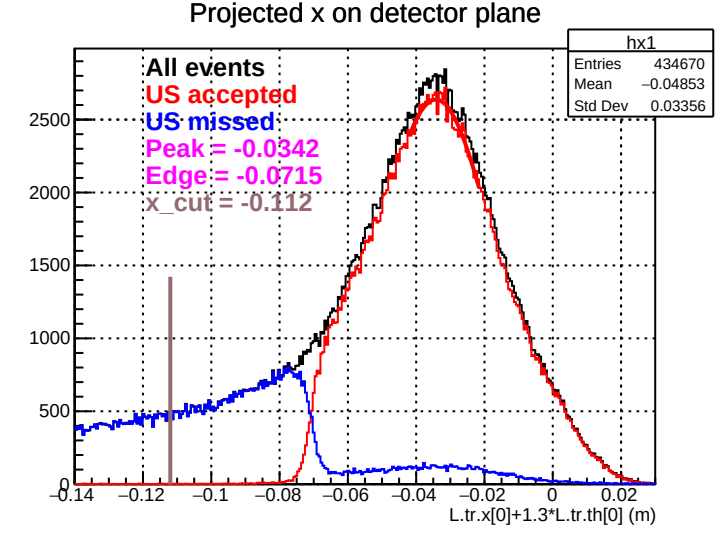

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 285875
Mean 0.5547
Std Dev 0.07986
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

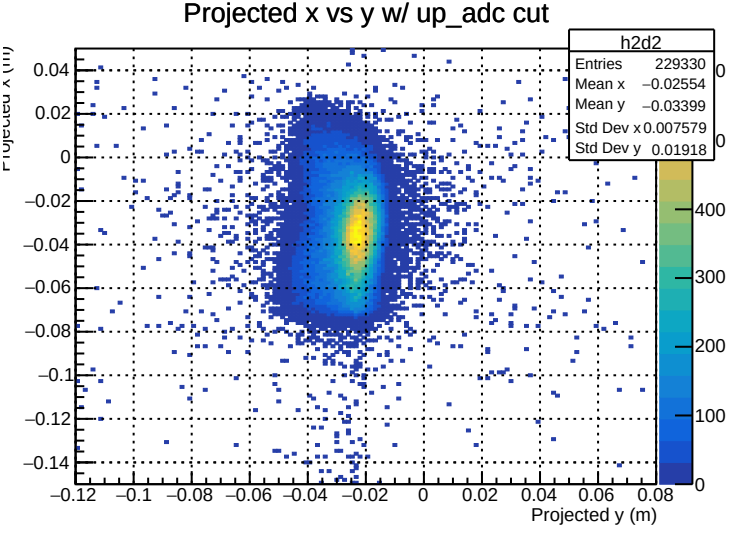

$Q^2$ (GeV/c)$^2$, xCut = -0.110 m
Q2
Entries 285875
Mean 0.006296
Std Dev 0.001284
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

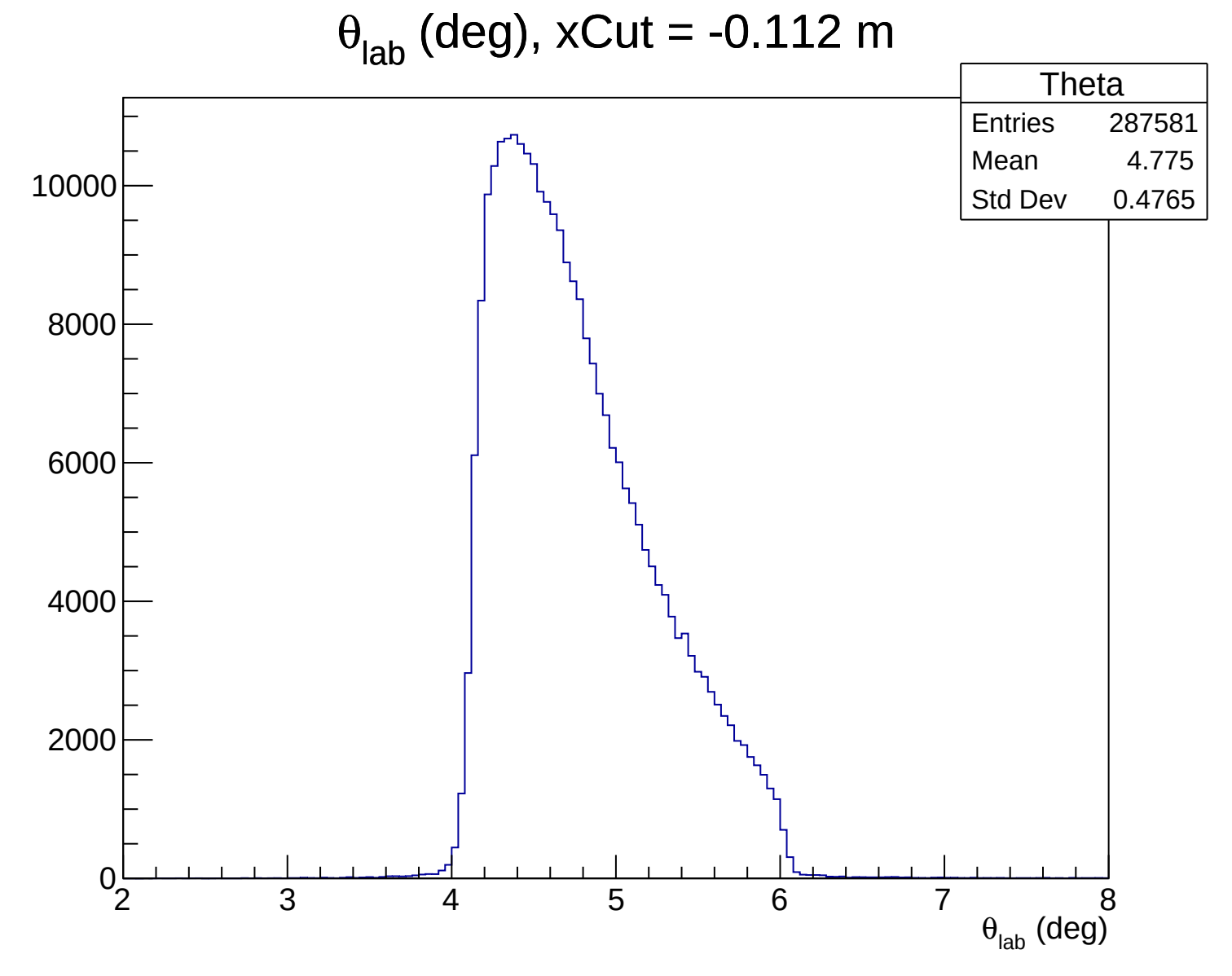

Sensitivity, xCut = -0.110 m
sens
Entries 285875
Mean 0.02209
Std Dev 0.004079
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

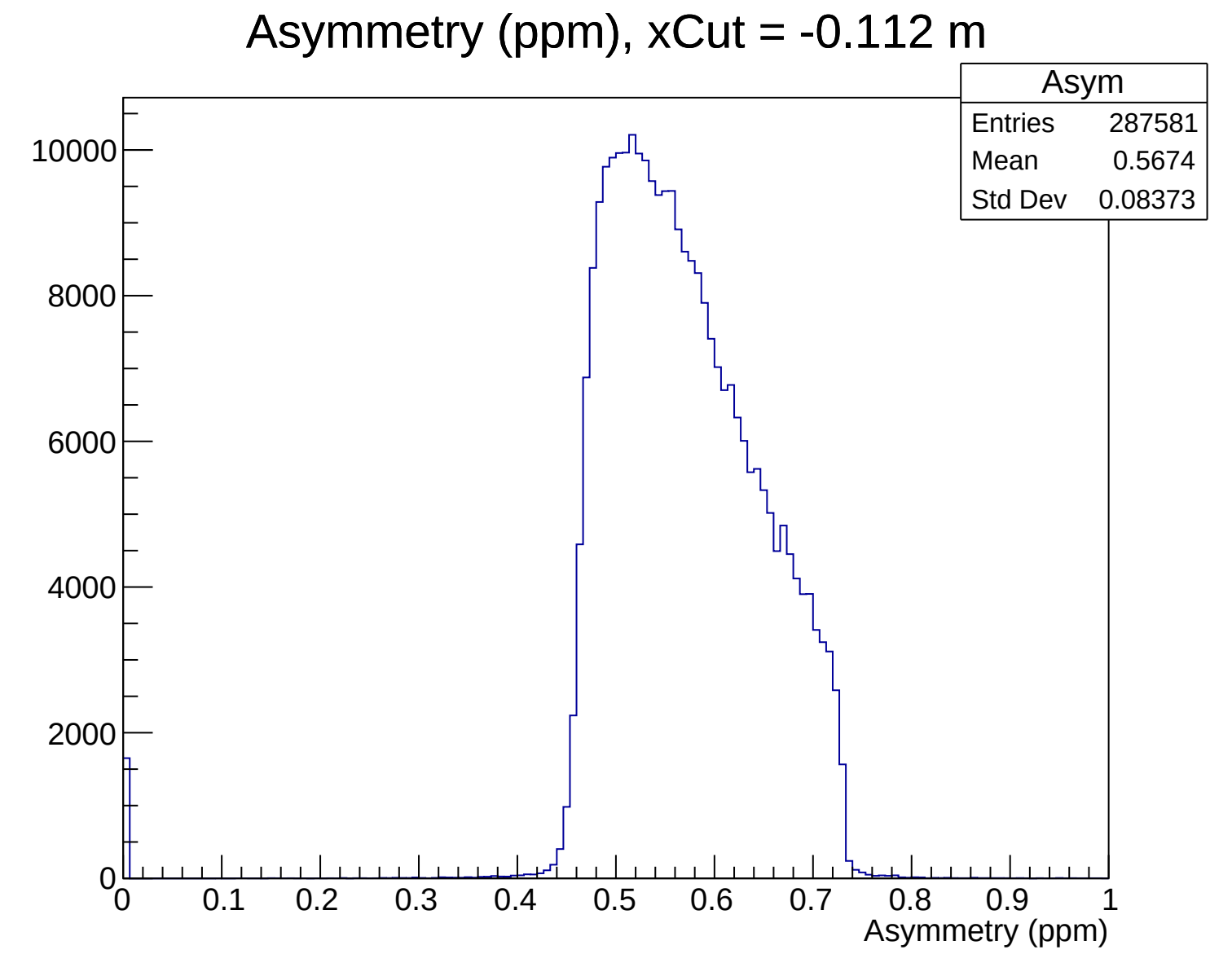

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

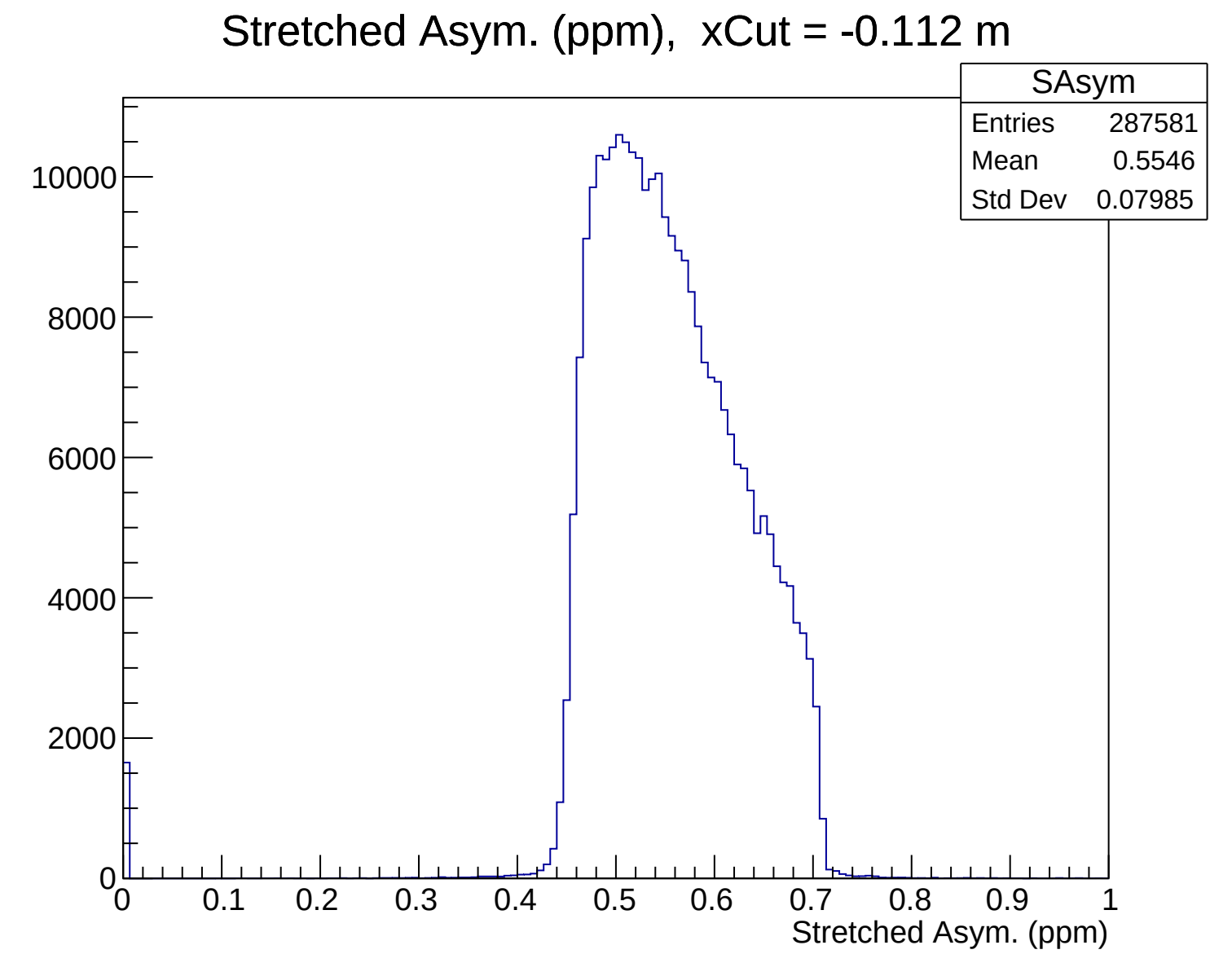

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

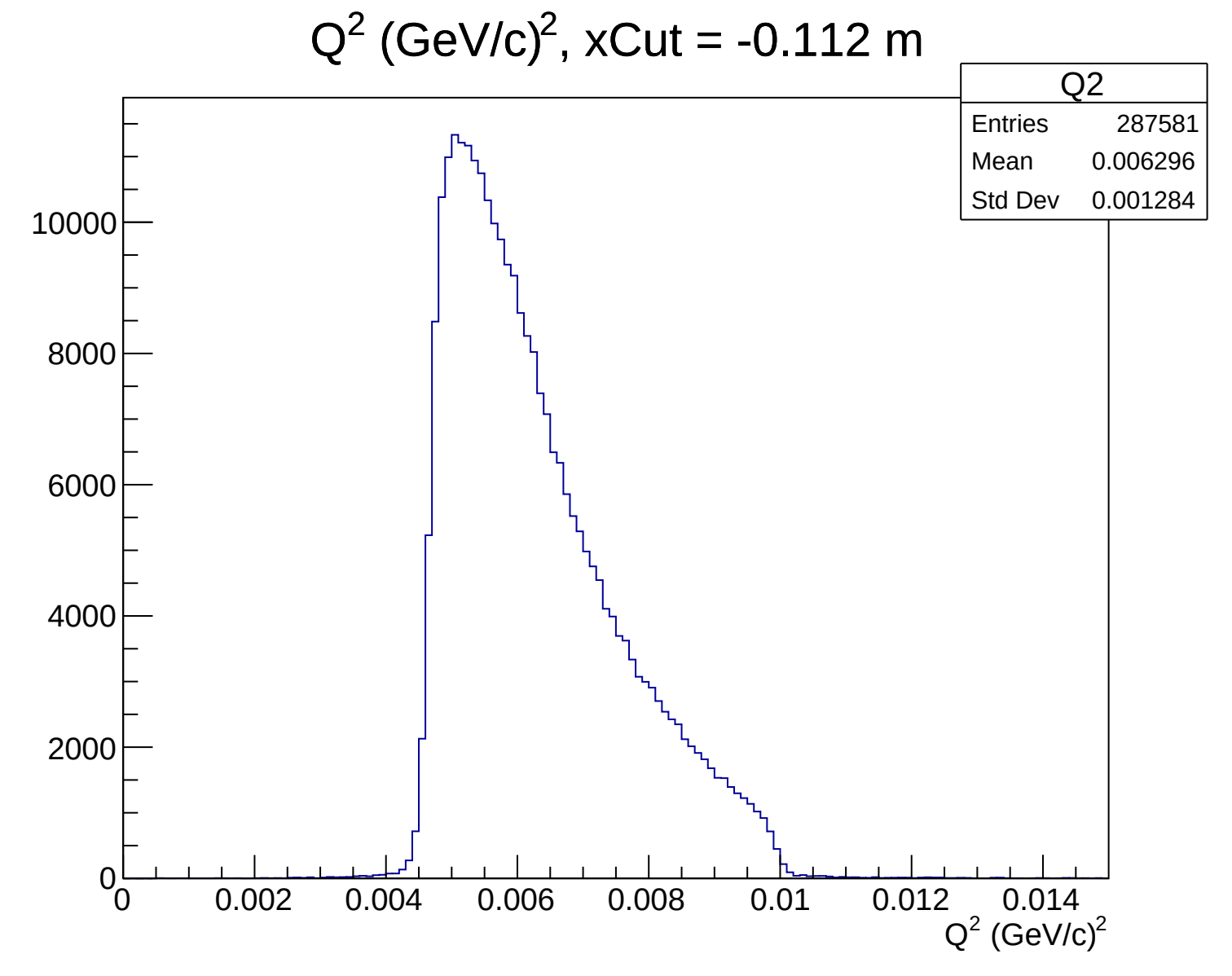

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.112
L.tr.x[0]+1.3*L.tr.th[0] (m)

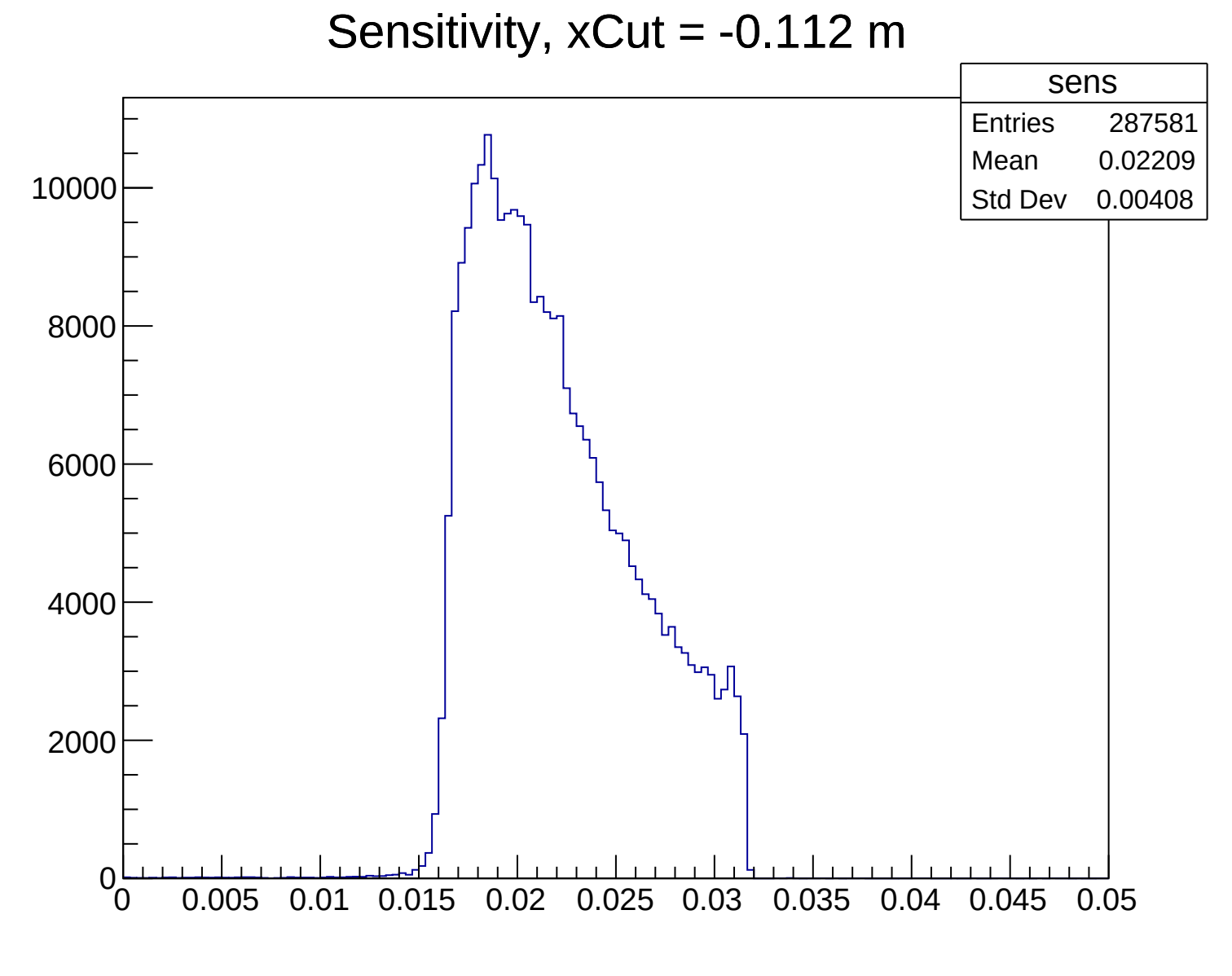

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)

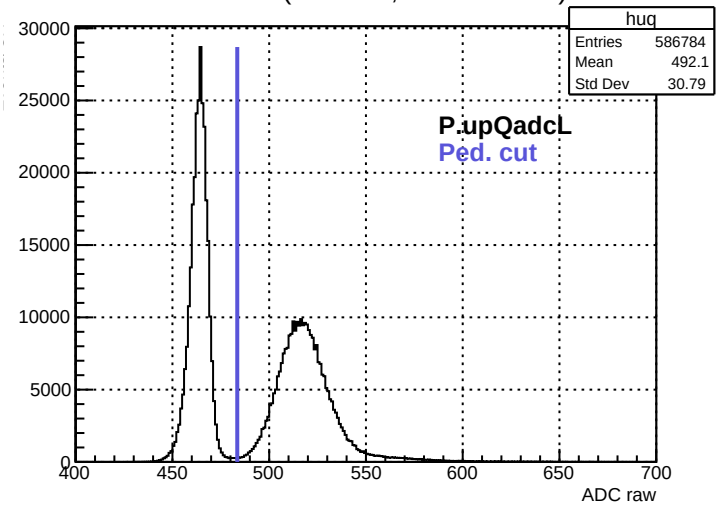

θlab (deg), xCut = -0.112 m
Theta
Entries 287581
Mean 4.775
Std Dev 0.4765
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

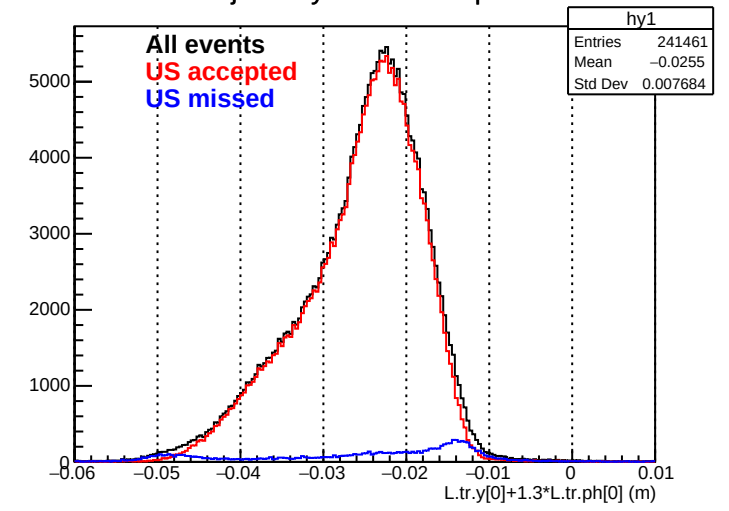

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 287581
Mean 0.5674
Std Dev 0.08373
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

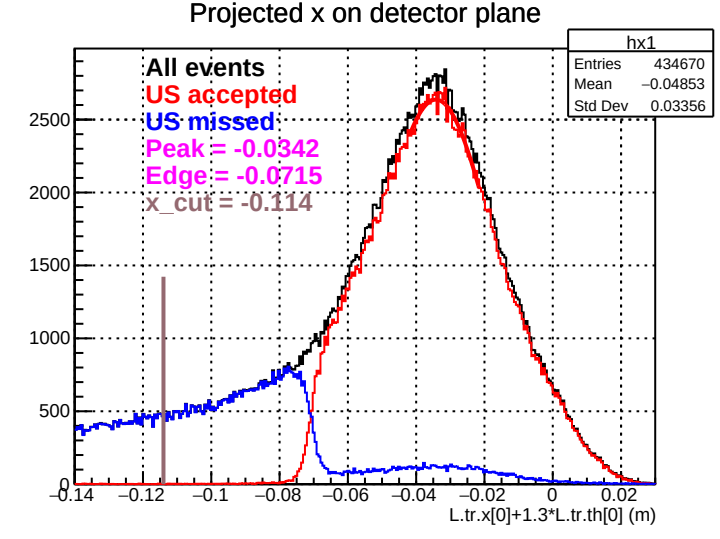

Stretched Asym. (ppm),  xCut = -0.112 m
SAsym
Entries 287581
Mean 0.5546
Std Dev 0.07985
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

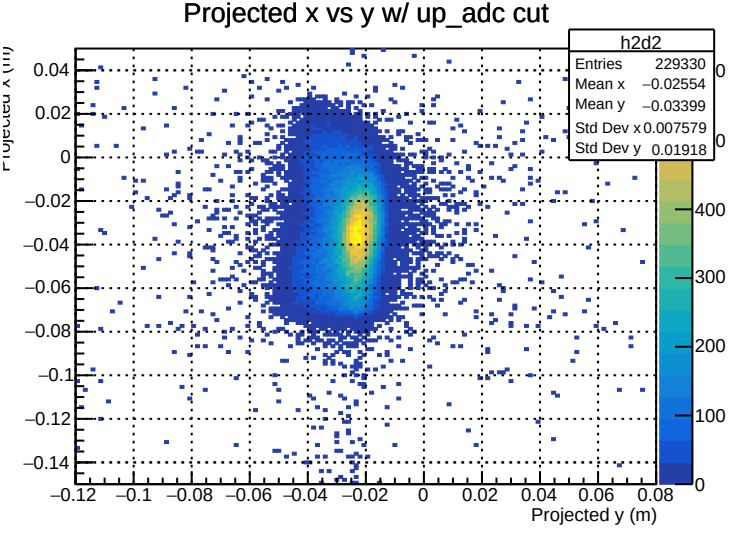

$Q^2$ (GeV/c)$^2$, xCut = -0.112 m
Q2
Entries 287581
Mean 0.006296
Std Dev 0.001284
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

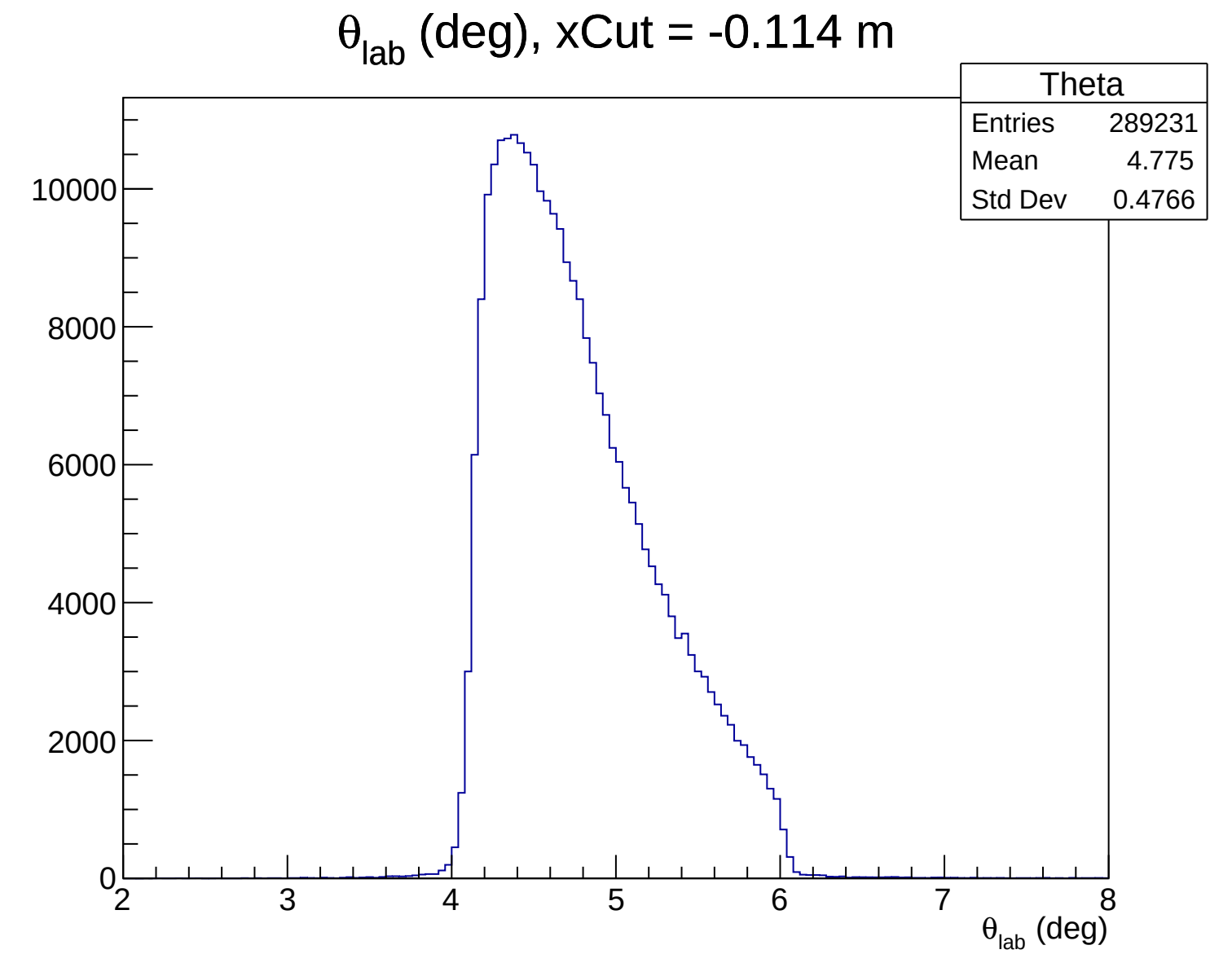

Sensitivity, xCut = -0.112 m
sens
Entries 287581
Mean 0.02209
Std Dev 0.00408
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

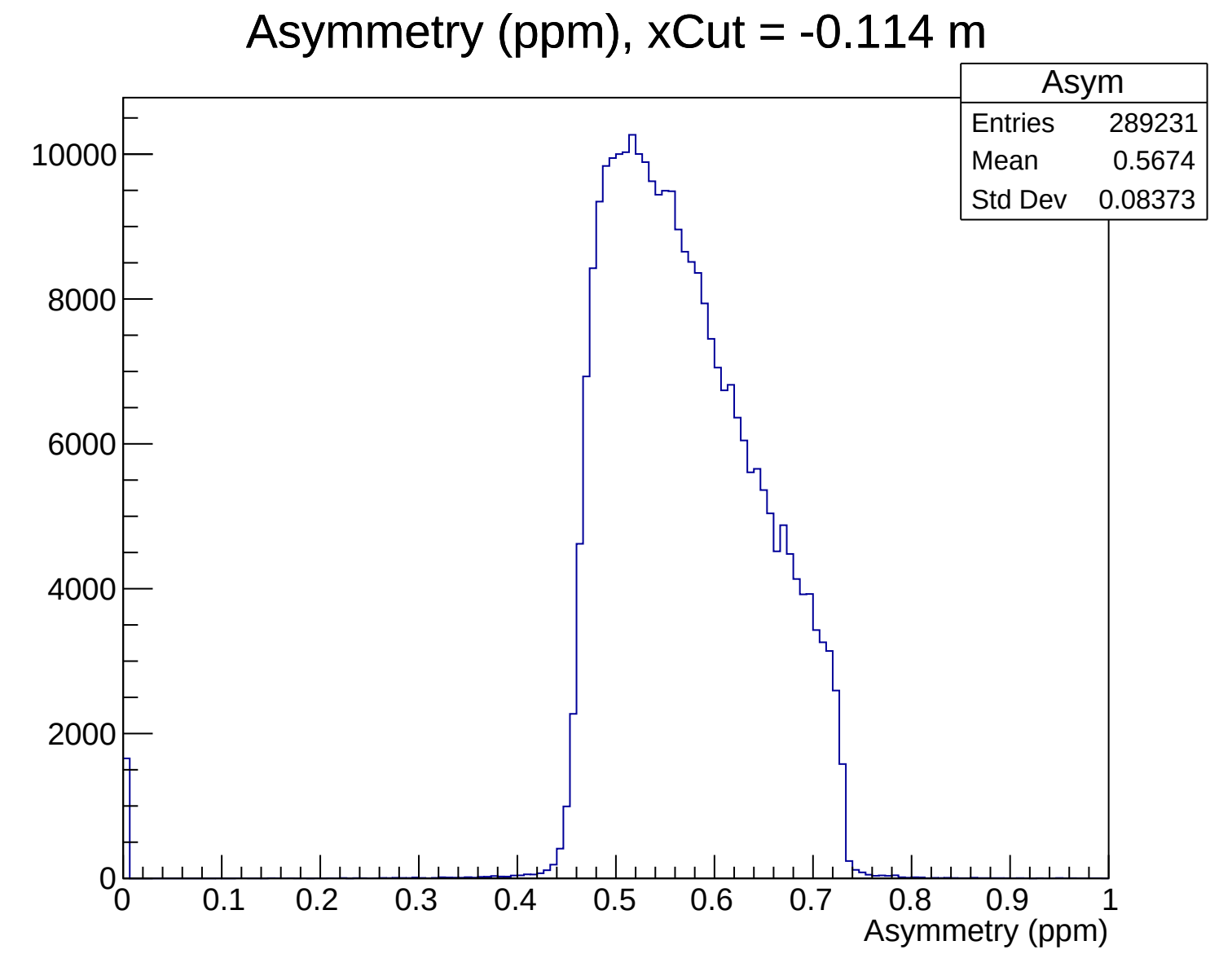

ADC raw (run2293, detZ = 1.3 m)
huq
Entries 586784
Mean 492.1
Std Dev 30.79
P.upQadcL
Ped. cut
ADC raw

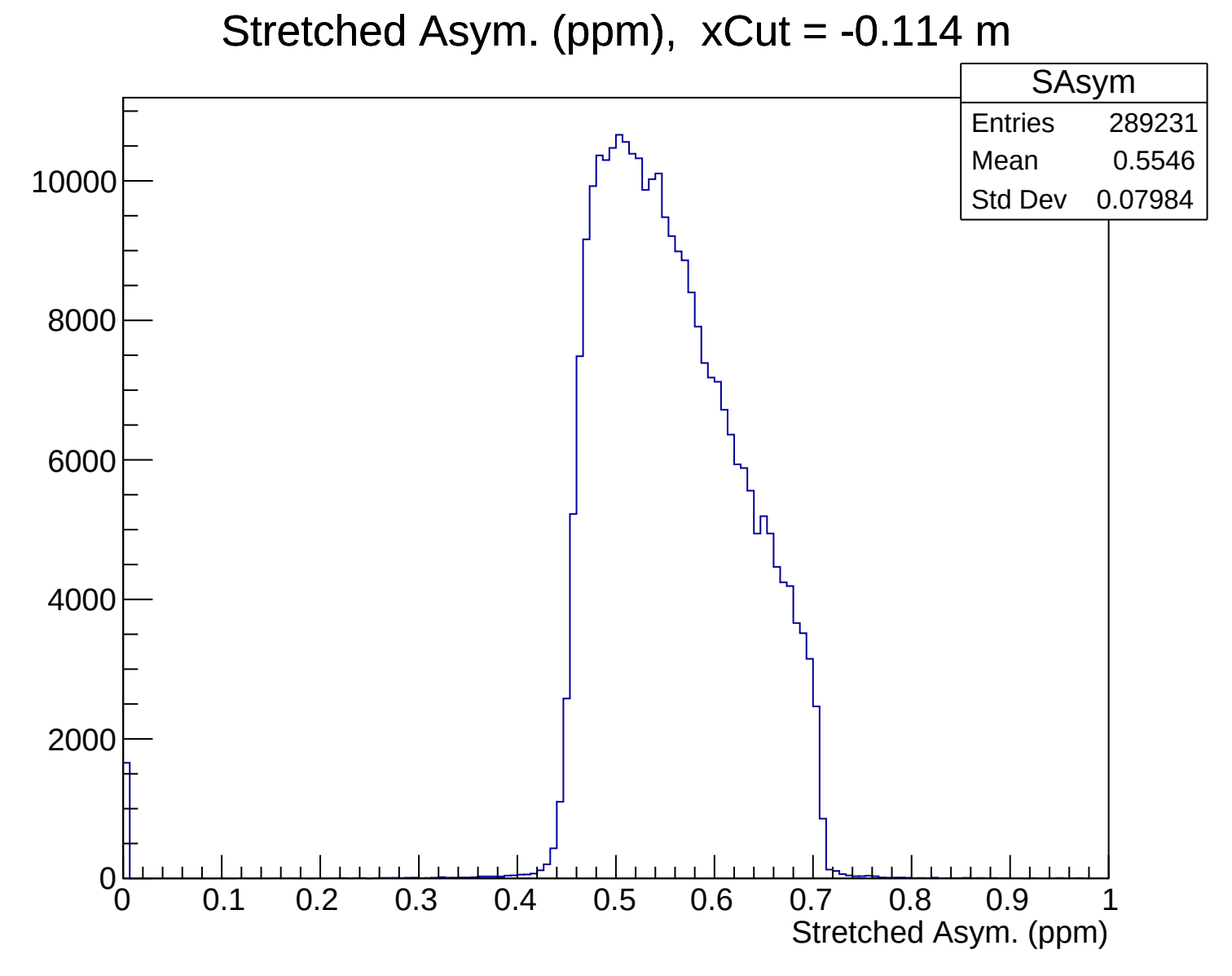

Projected y on detector plane
hy1
Entries 241461
Mean −0.0255
Std Dev 0.007684
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

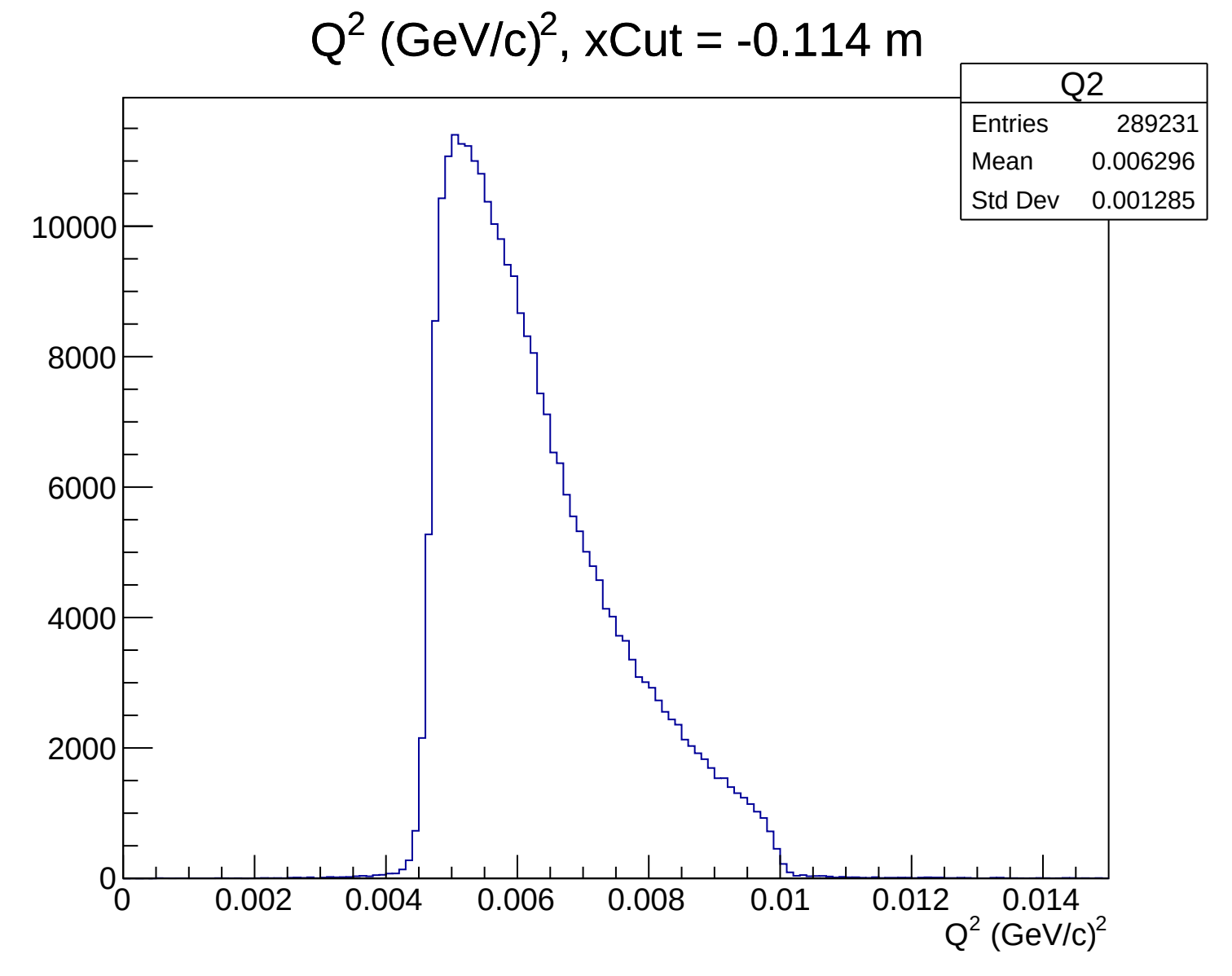

Projected x on detector plane
hx1
Entries 434670
Mean −0.04853
Std Dev 0.03356
All events
US accepted
US missed
Peak = -0.0342
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

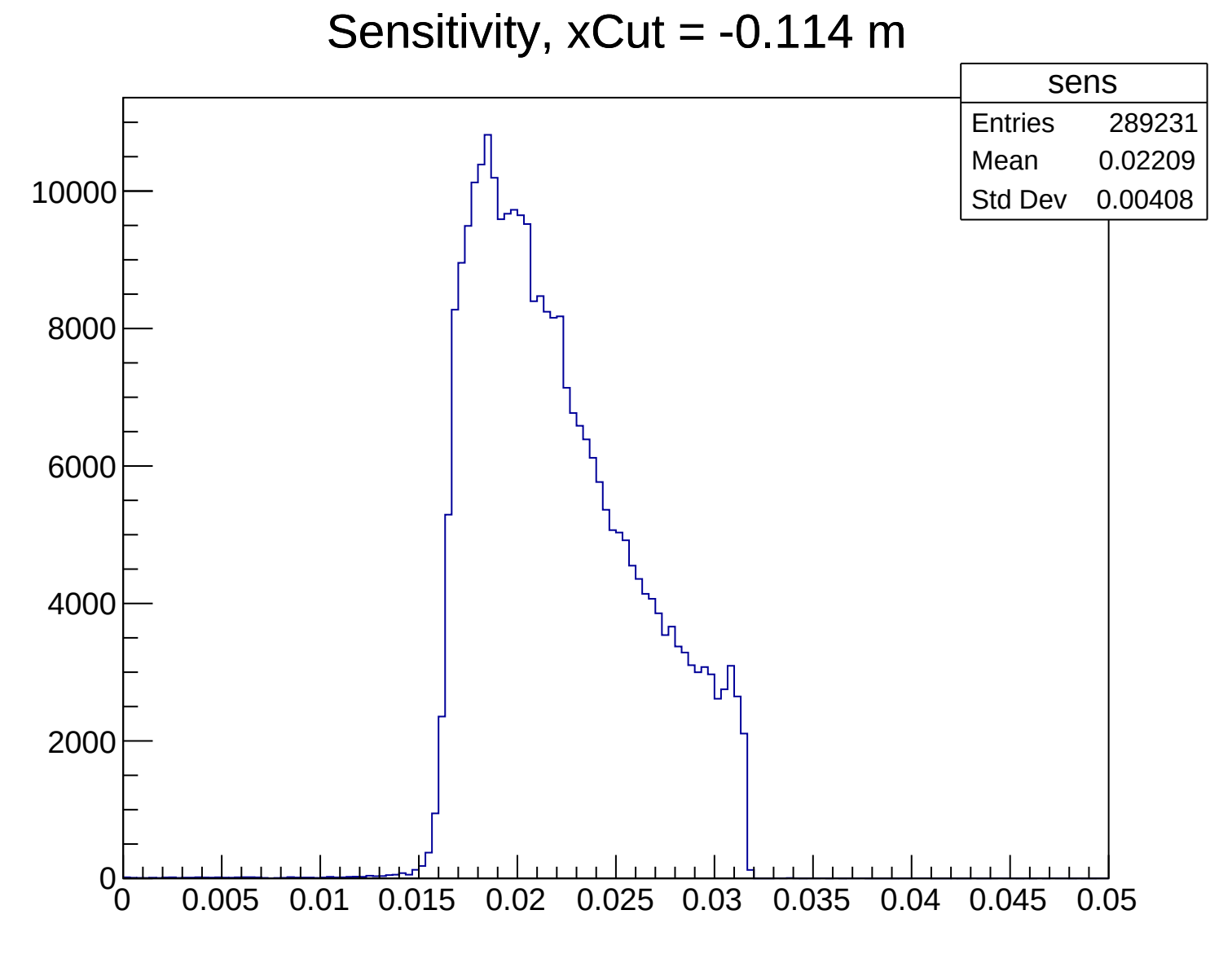

Projected x vs y w/ up_adc cut
h2d2
Entries 229330
Mean x −0.02554
Mean y −0.03399
Std Dev x 0.007579
Std Dev y 0.01918
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 289231
Mean 4.775
Std Dev 0.4766
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 289231
Mean 0.5674
Std Dev 0.08373
10000
8000
6000
4000
2000
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 289231
Mean 0.5546
Std Dev 0.07984
10000
8000
6000
4000
2000
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 289231
Mean 0.006296
Std Dev 0.001285
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 289231
Mean 0.02209
Std Dev 0.00408
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05