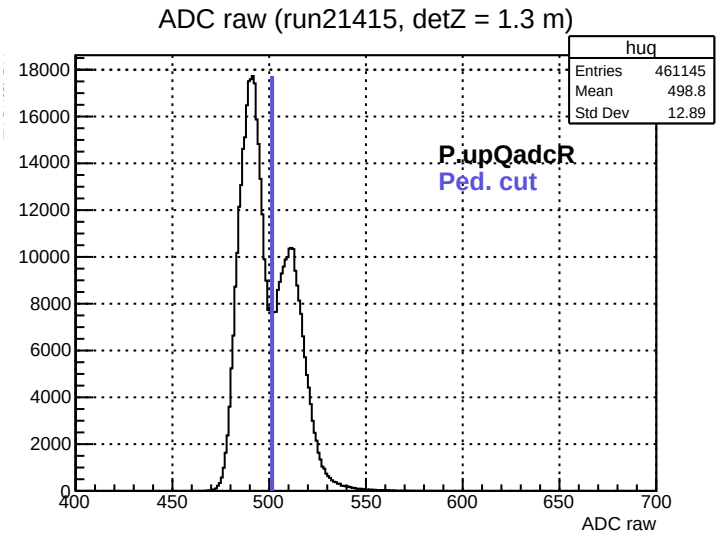
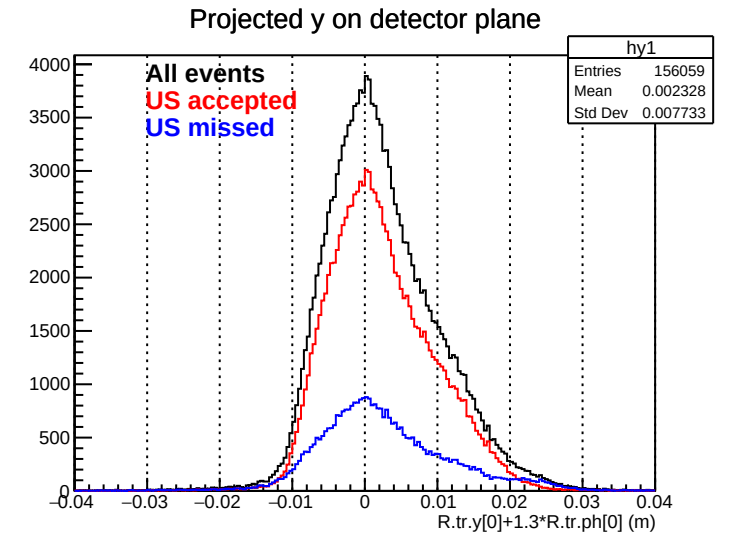
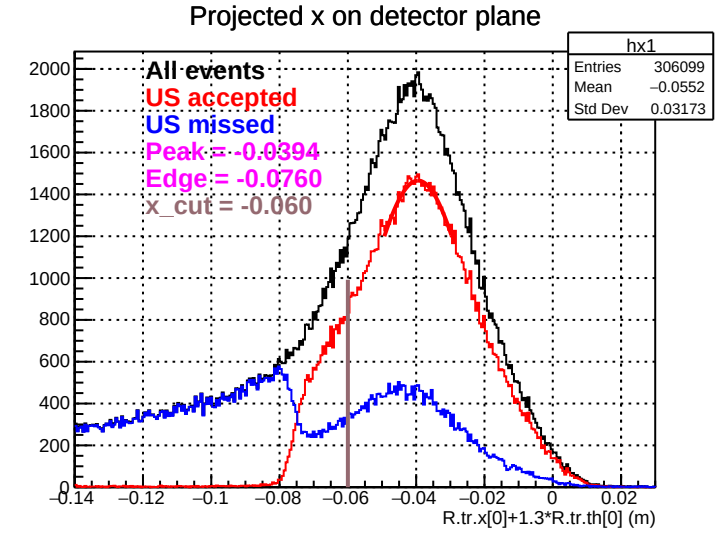
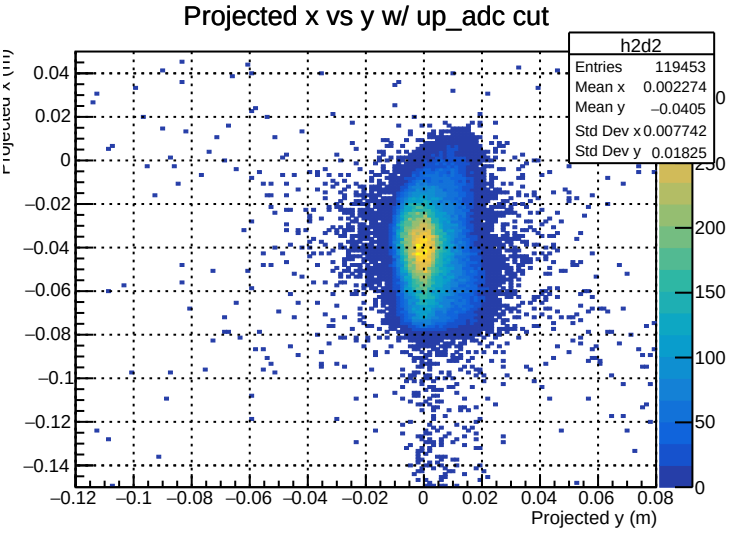
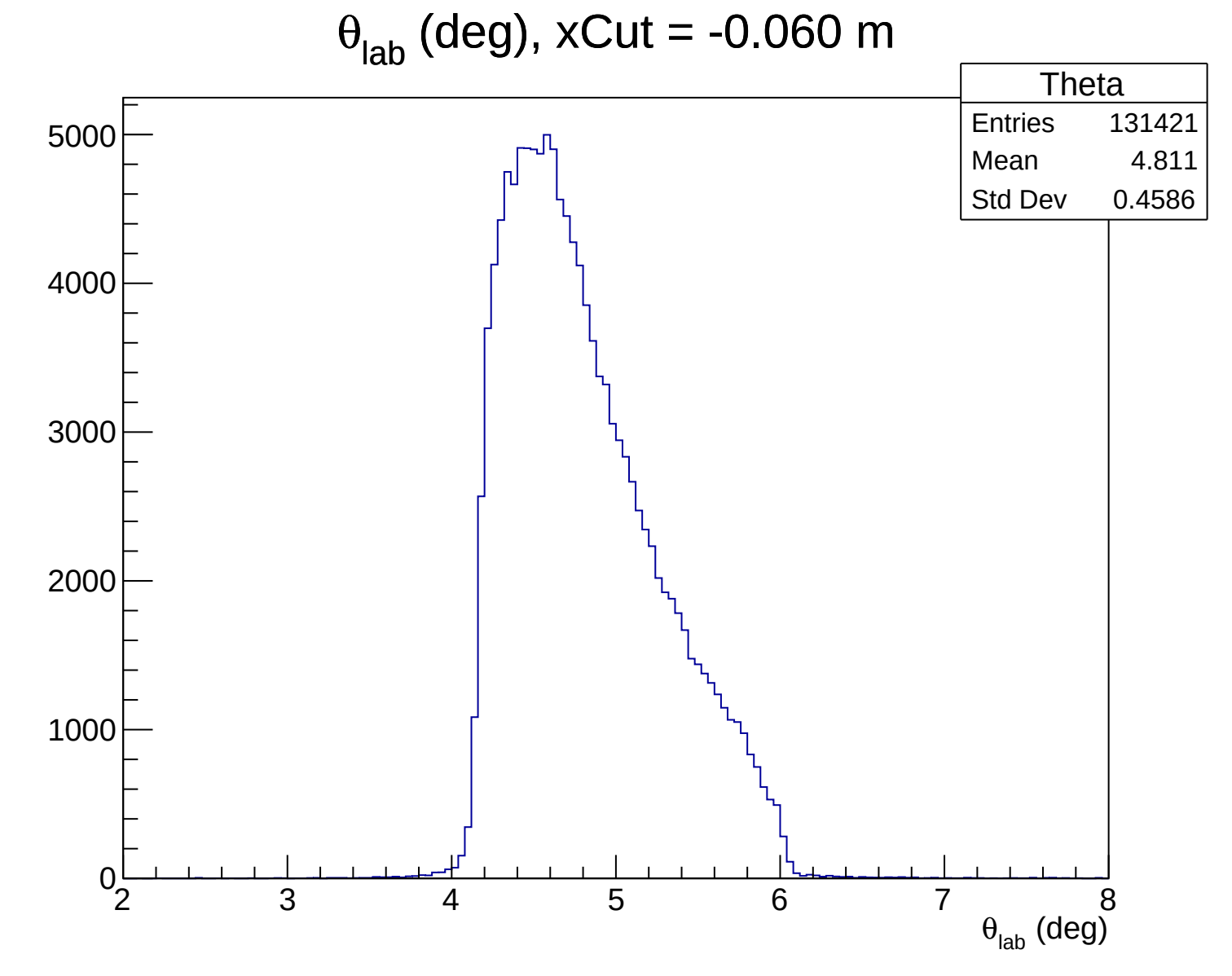
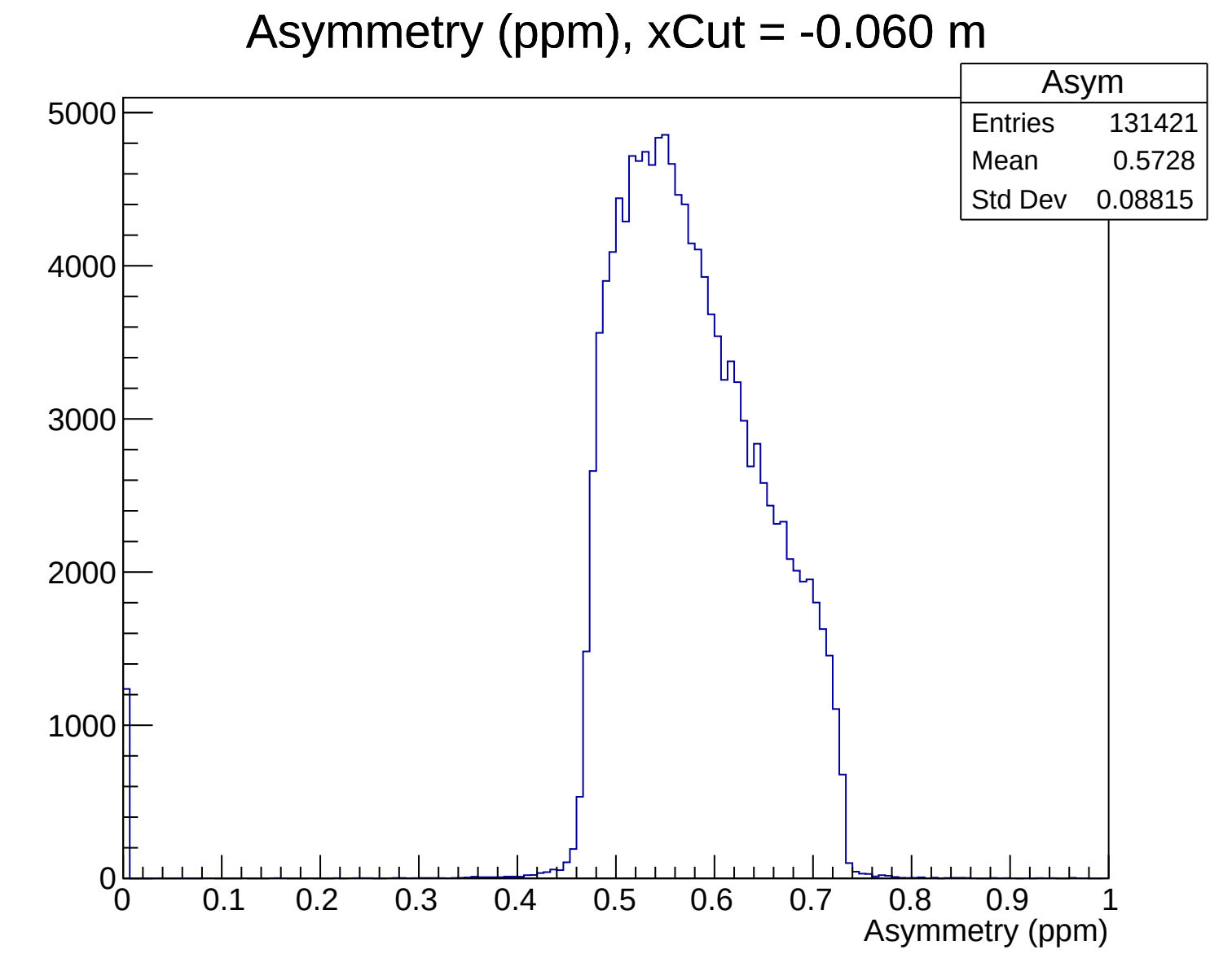

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

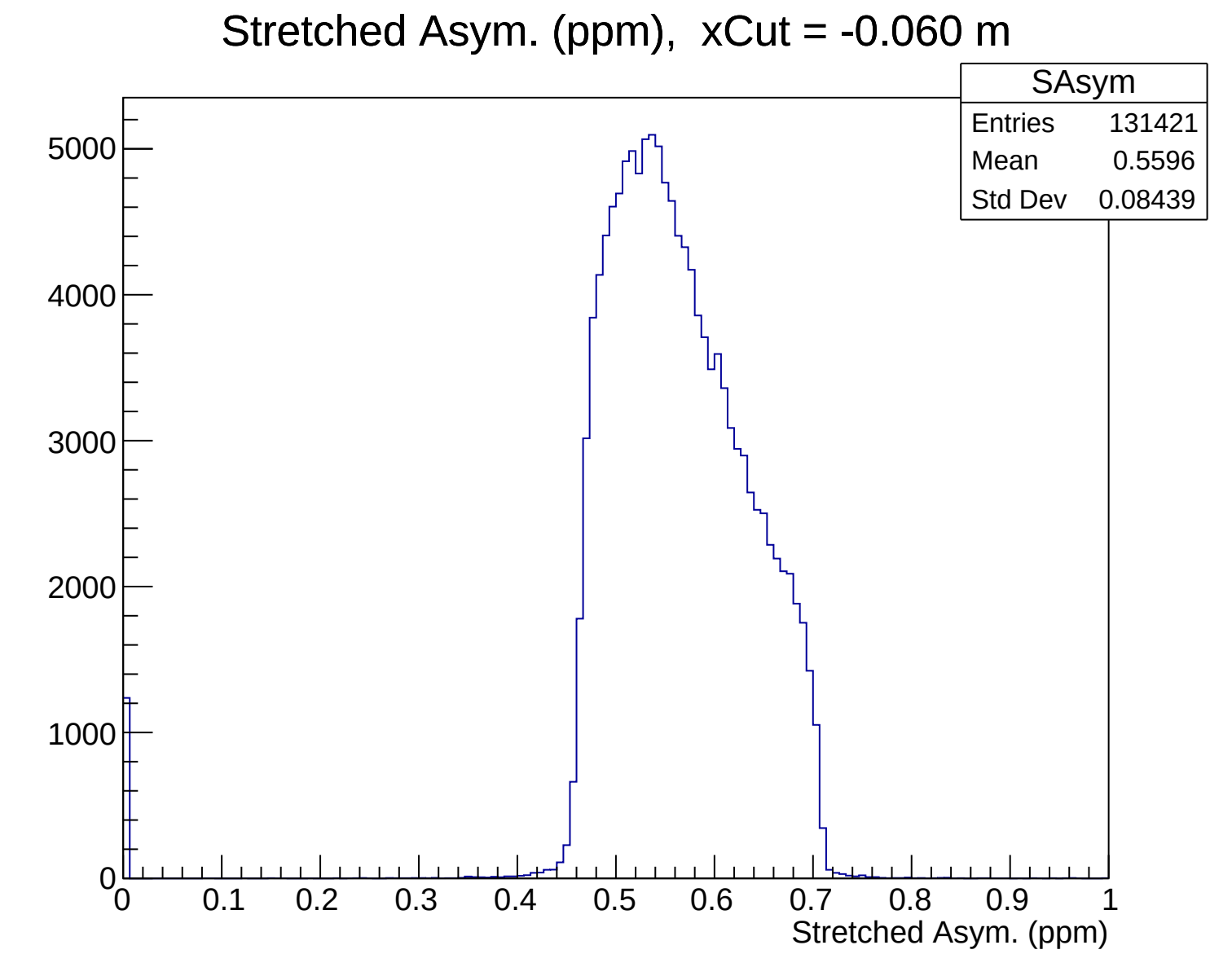

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

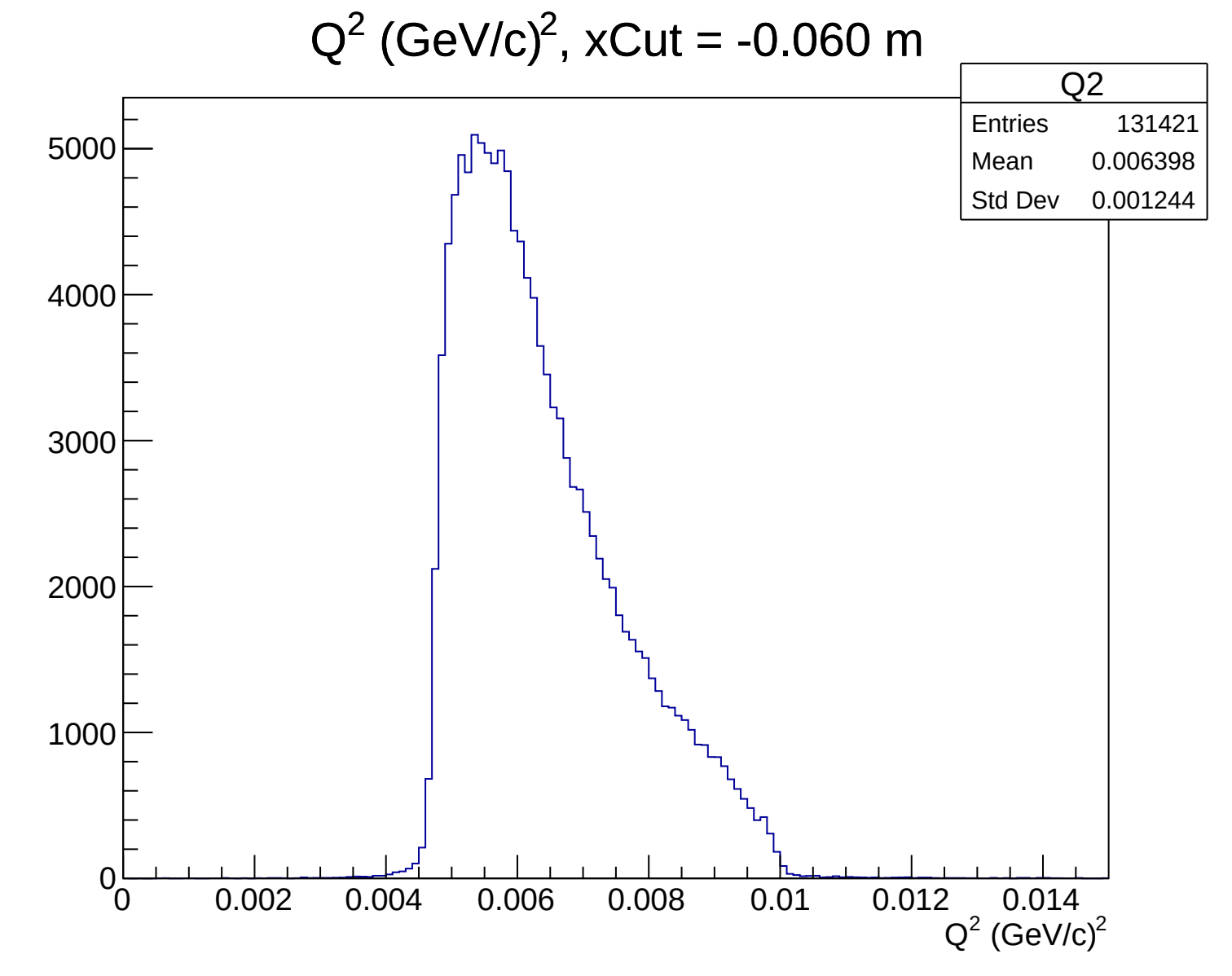

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.060
R.tr.x[0]+1.3*R.tr.th[0] (m)

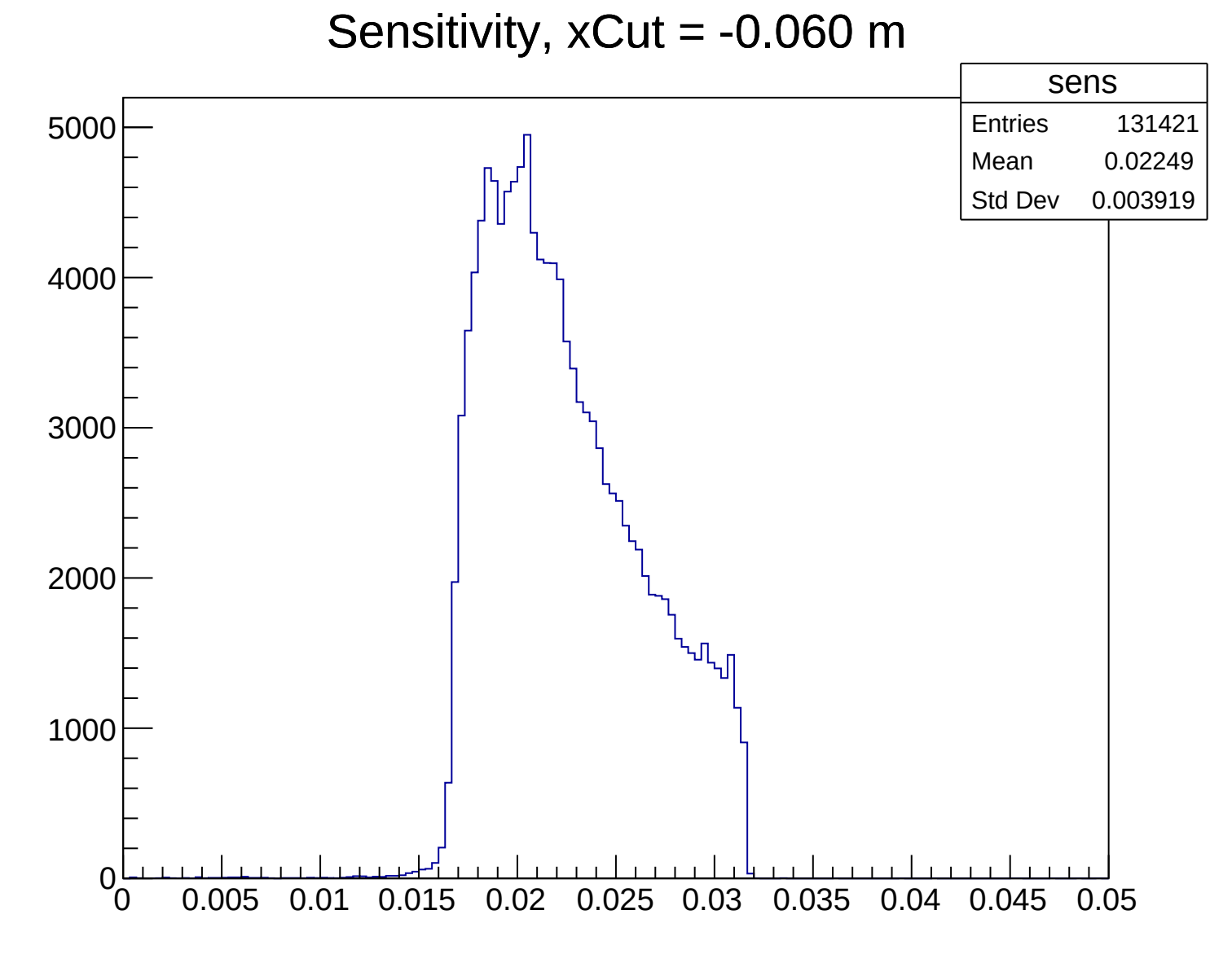

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

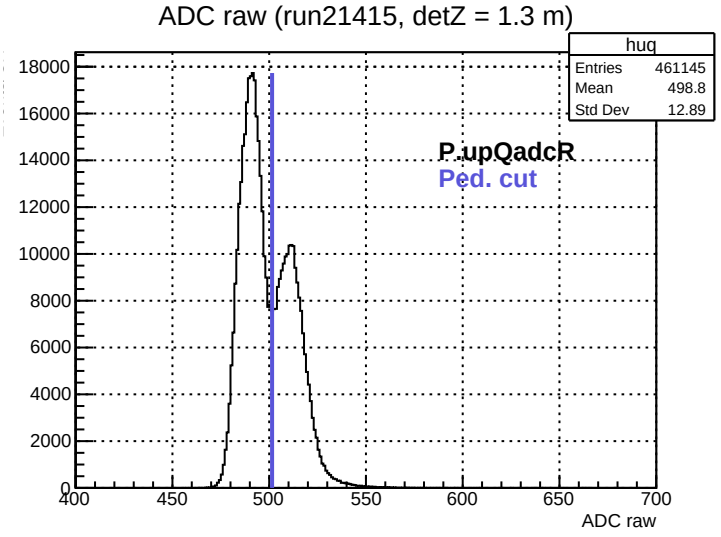

θlab (deg), xCut = -0.060 m
Theta
Entries 131421
Mean 4.811
Std Dev 0.4586
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

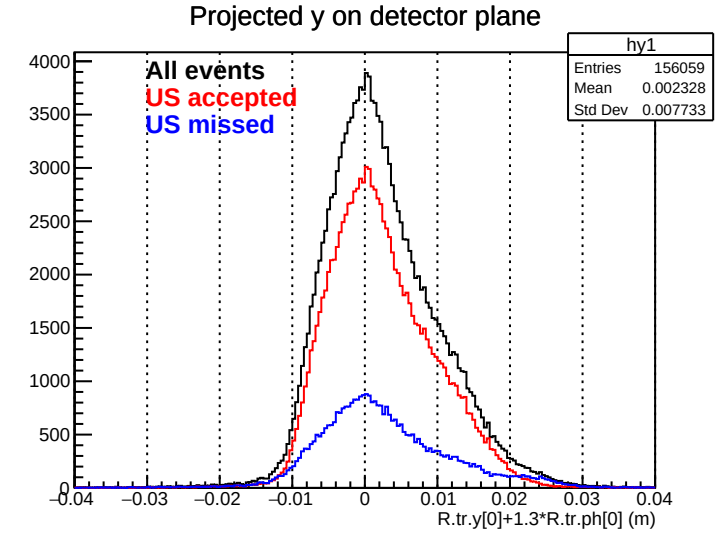

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 131421
Mean 0.5728
Std Dev 0.08815
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

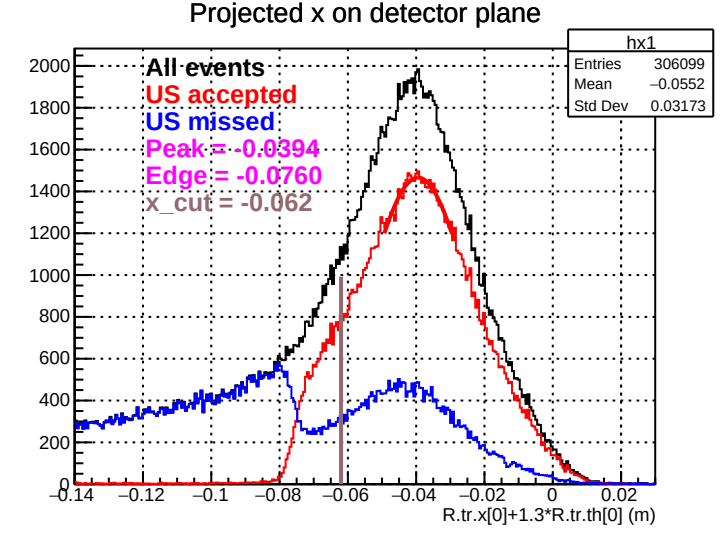

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 131421
Mean 0.5596
Std Dev 0.08439
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

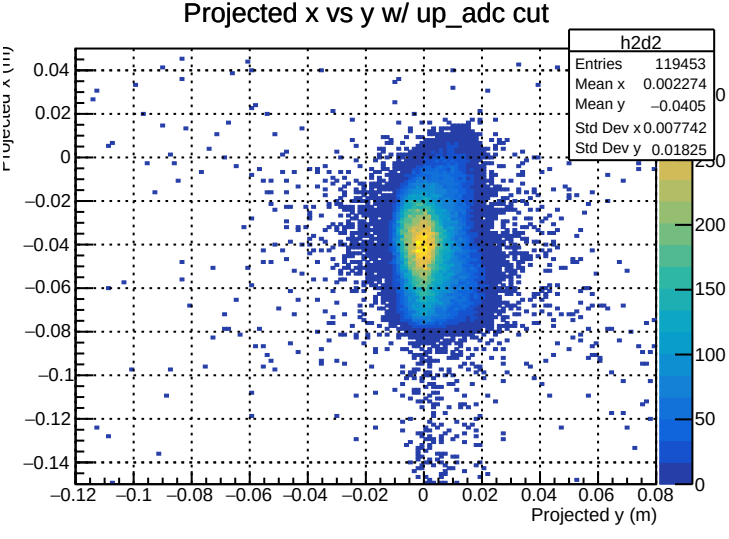

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 131421
Mean 0.006398
Std Dev 0.001244
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

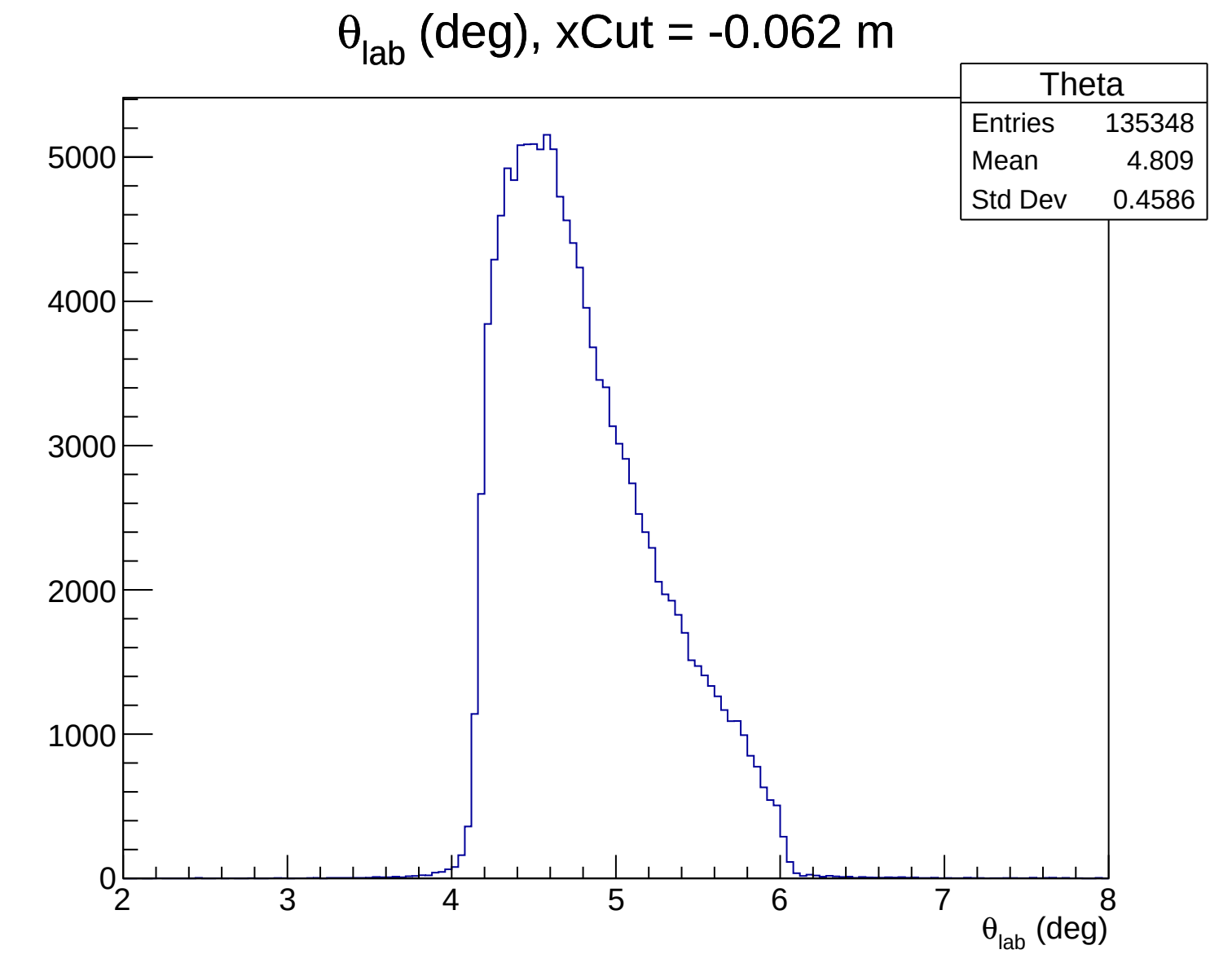

Sensitivity, xCut = -0.060 m
sens
Entries 131421
Mean 0.02249
Std Dev 0.003919
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

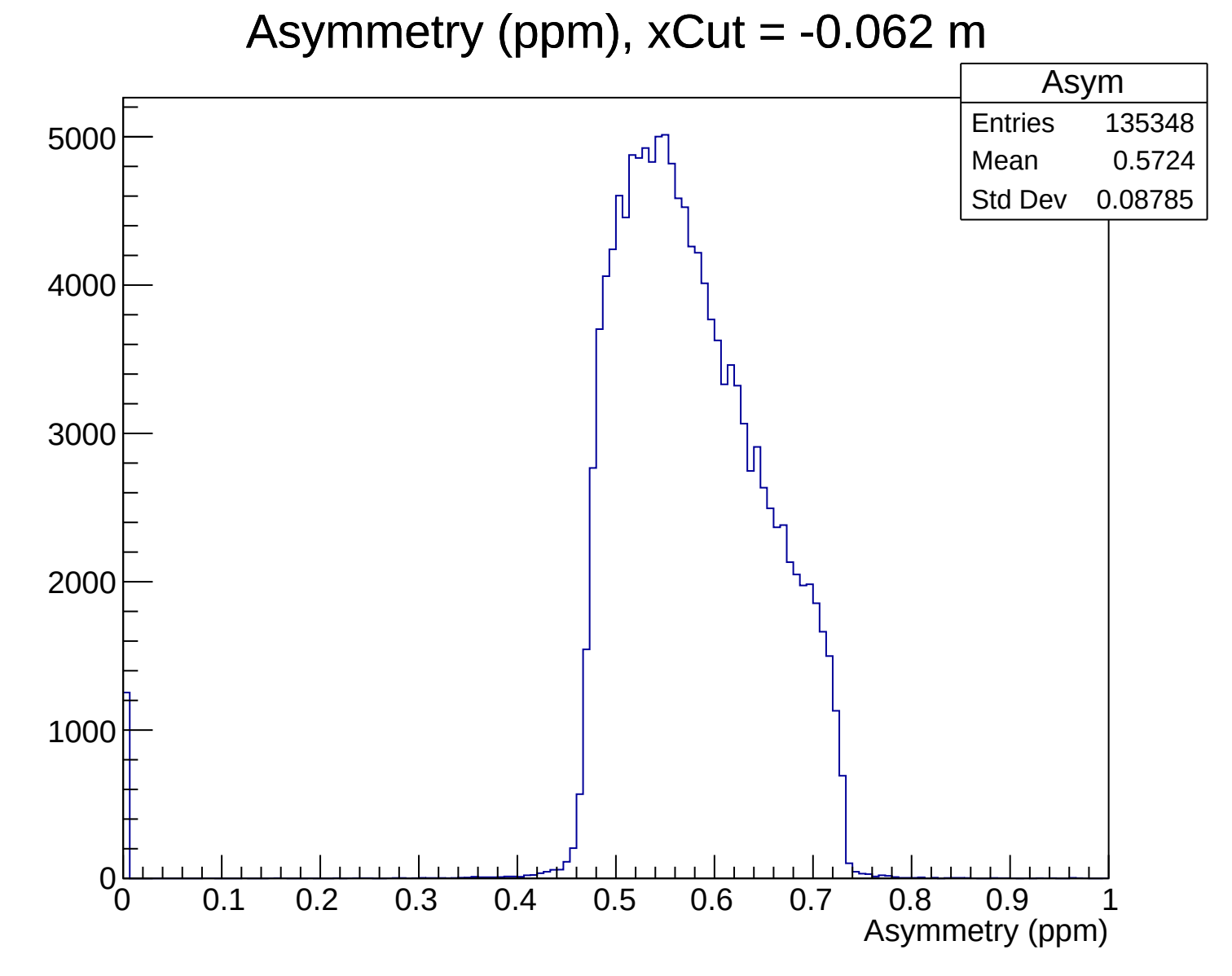

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

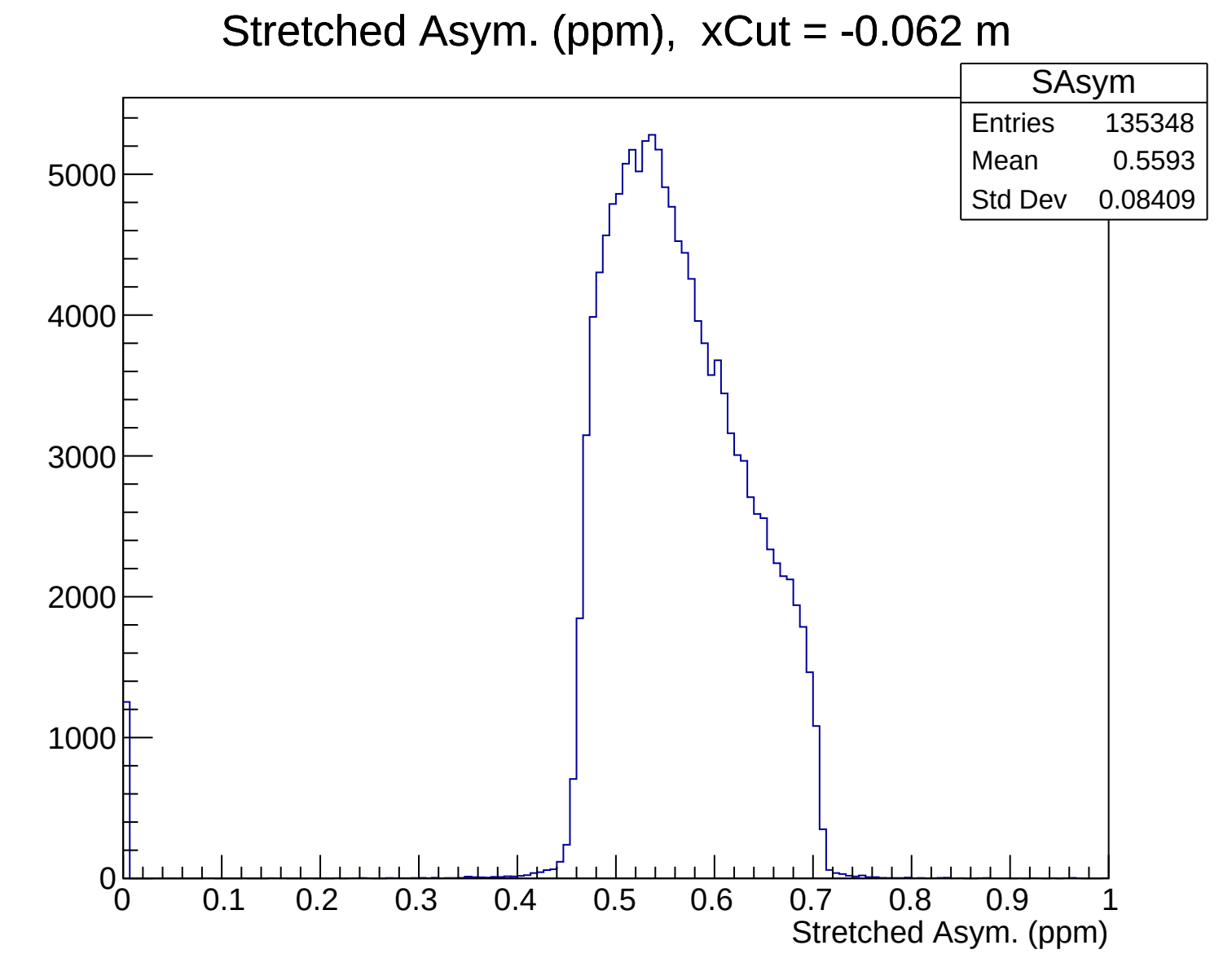

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

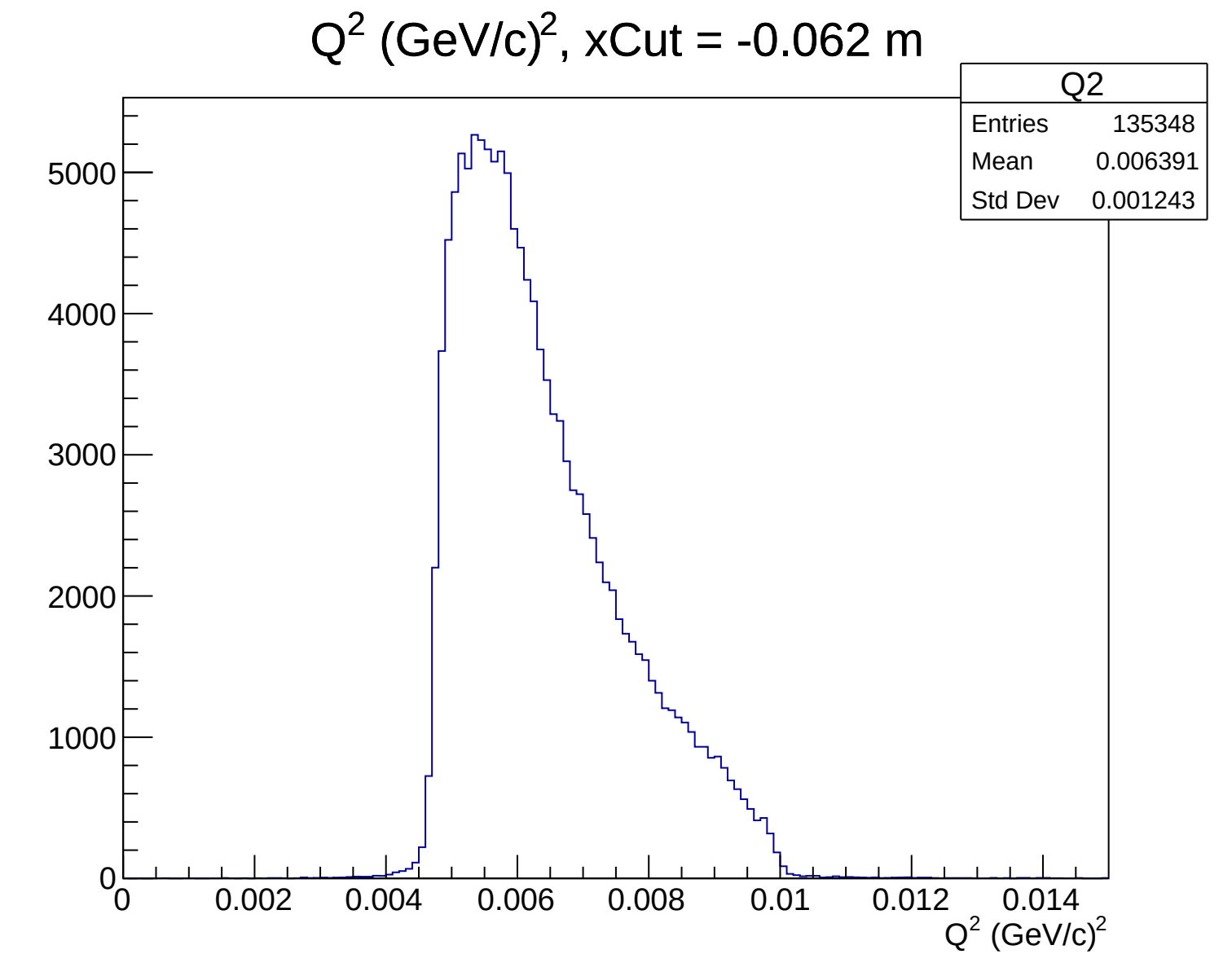

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.062
R.tr.x[0]+1.3*R.tr.th[0] (m)

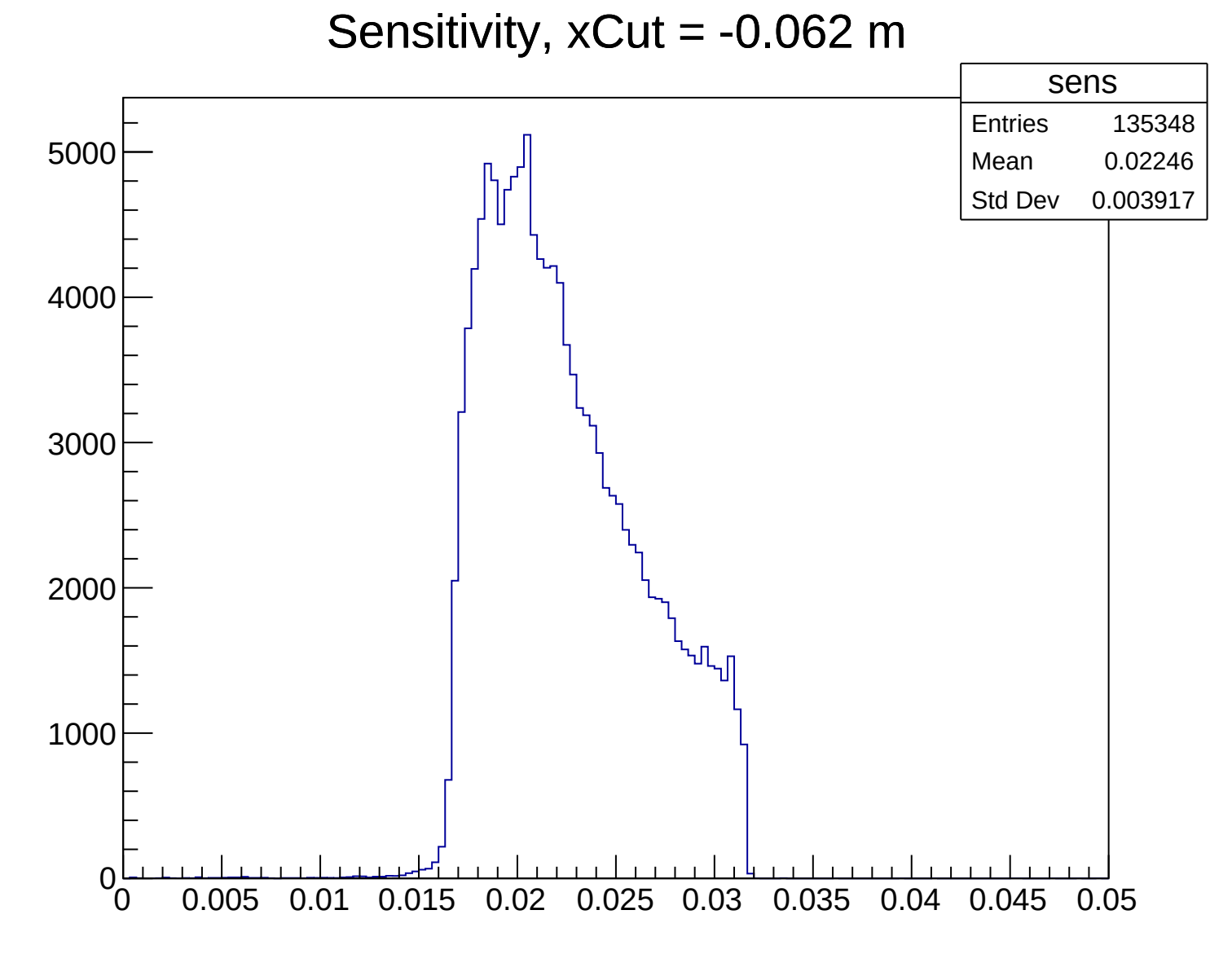

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

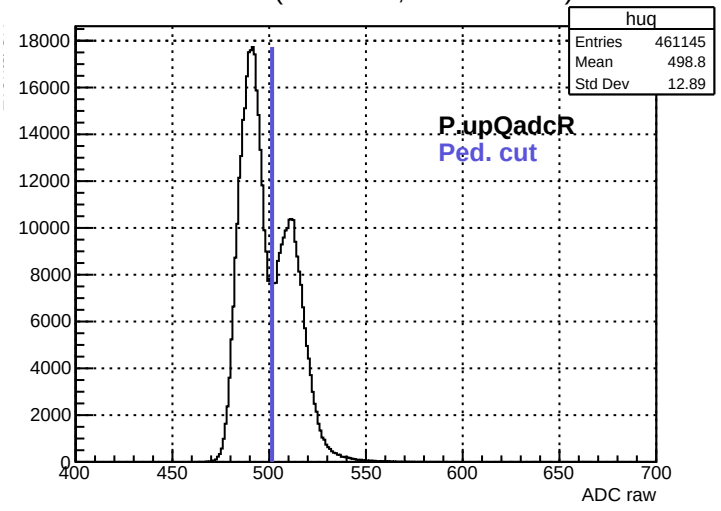

θlab (deg), xCut = -0.062 m
Theta
Entries 135348
Mean 4.809
Std Dev 0.4586
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

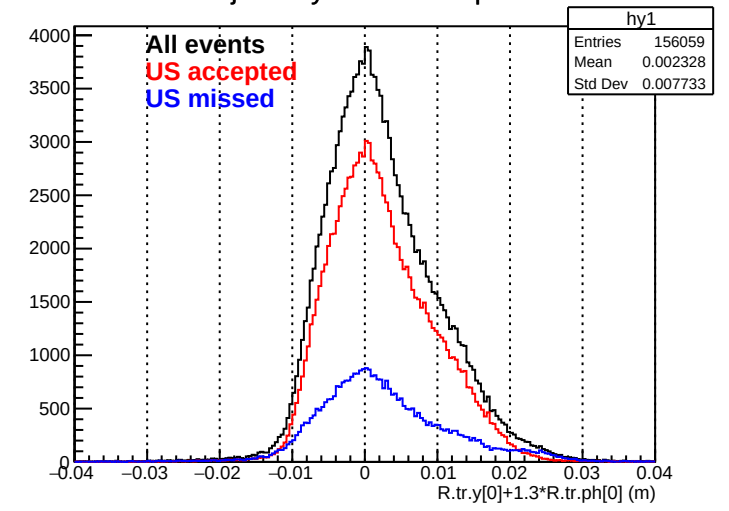

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 135348
Mean 0.5724
Std Dev 0.08785
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

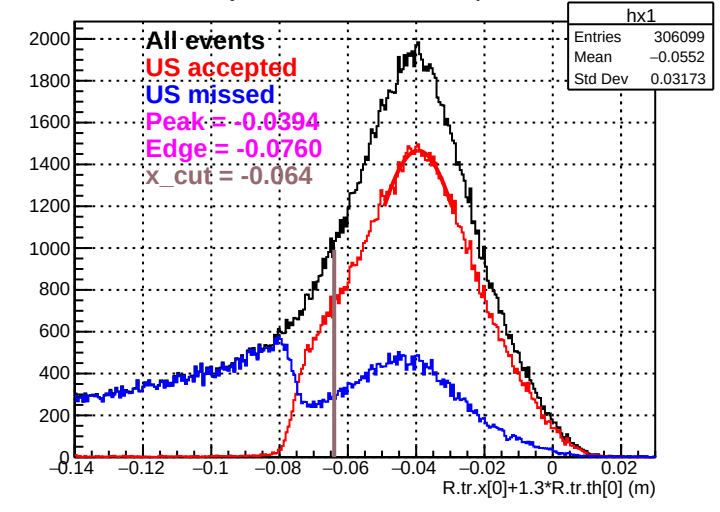

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 135348
Mean 0.5593
Std Dev 0.08409
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

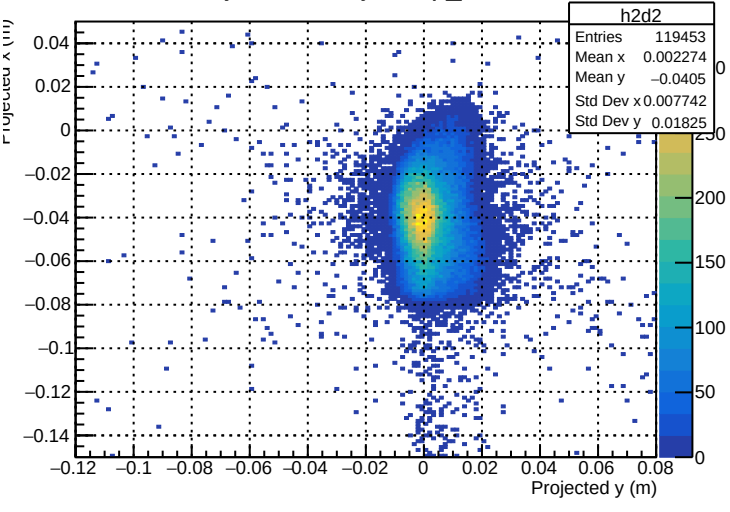

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 135348
Mean 0.006391
Std Dev 0.001243
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

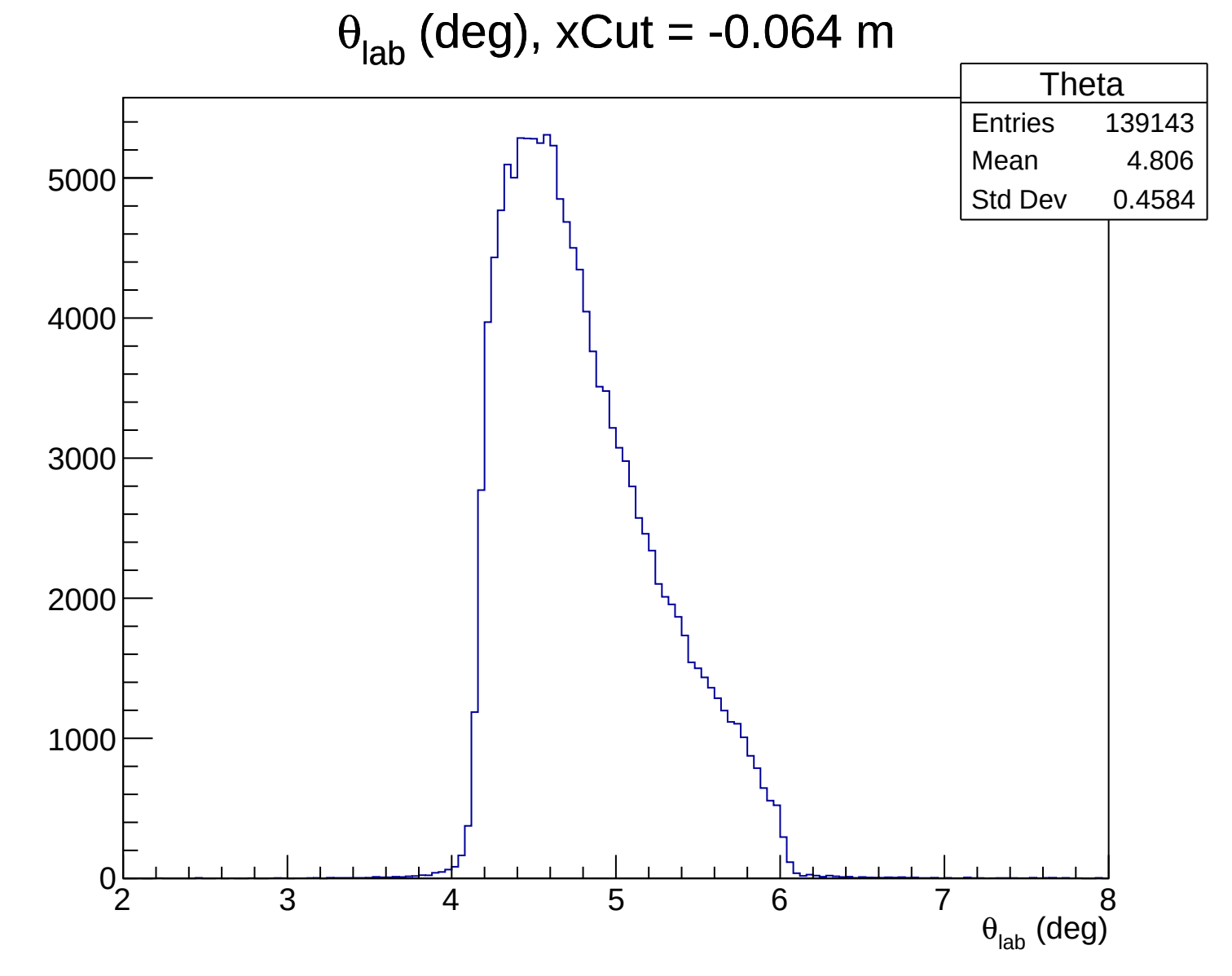

Sensitivity, xCut = -0.062 m
sens
Entries 135348
Mean 0.02246
Std Dev 0.003917
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

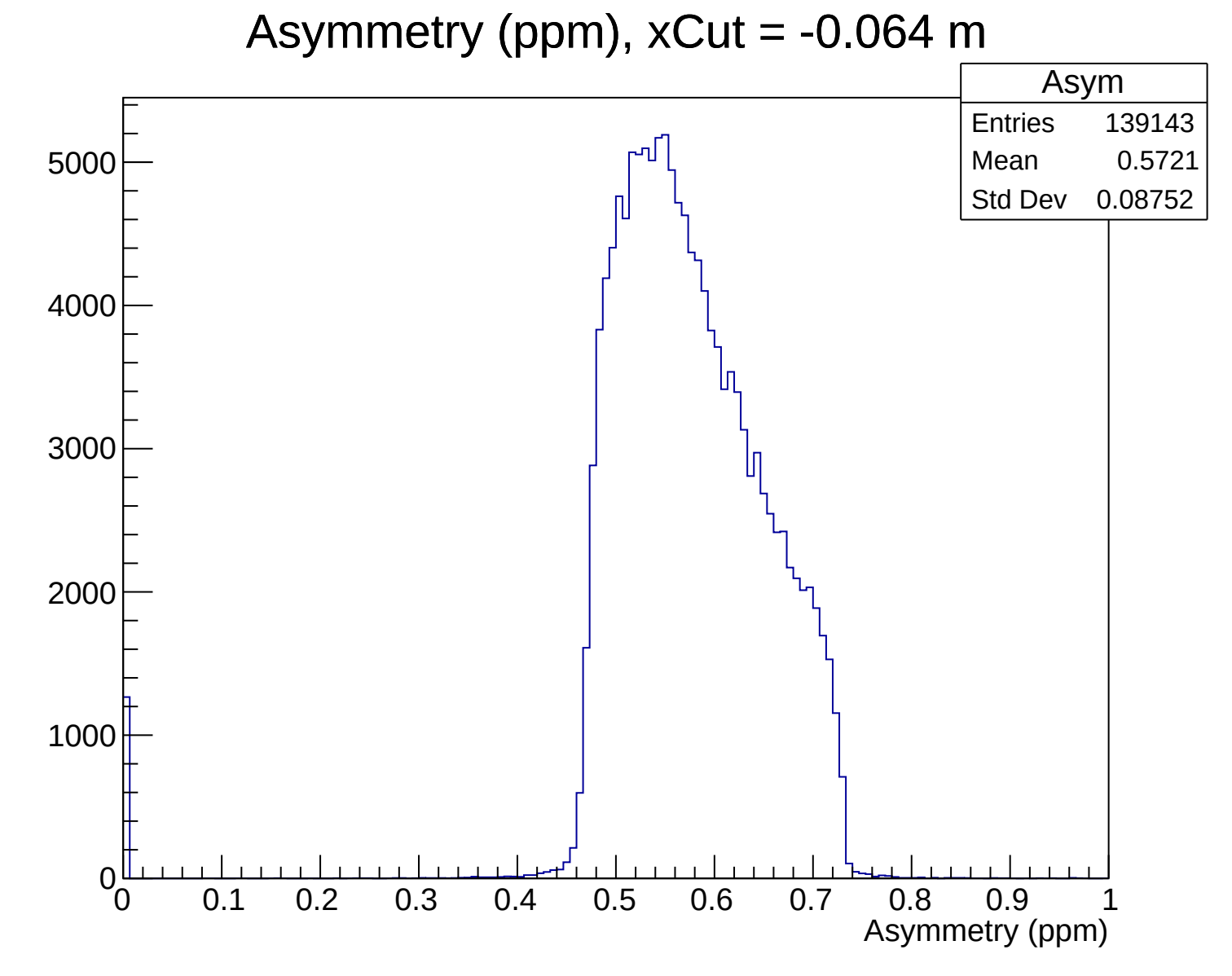

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

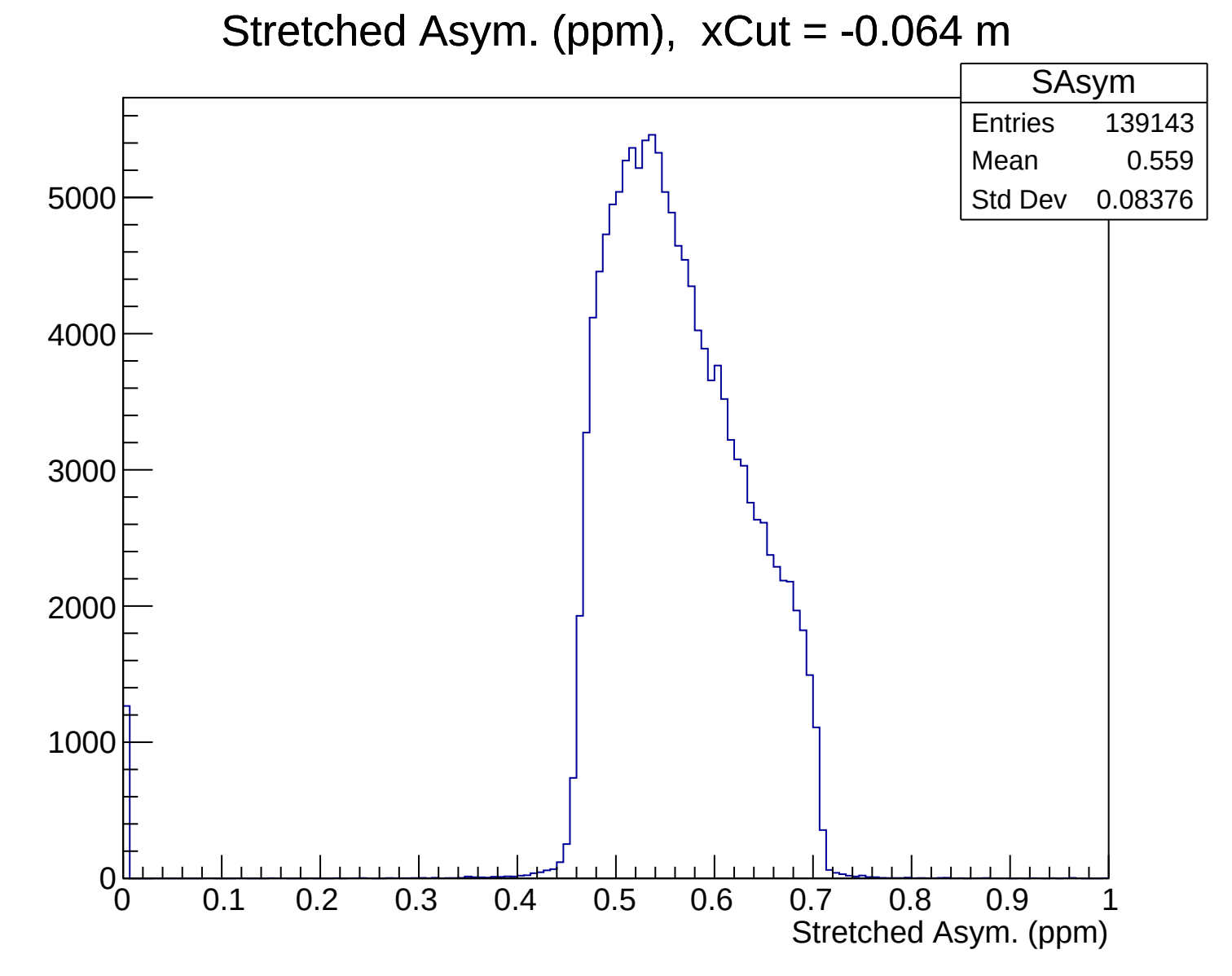

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

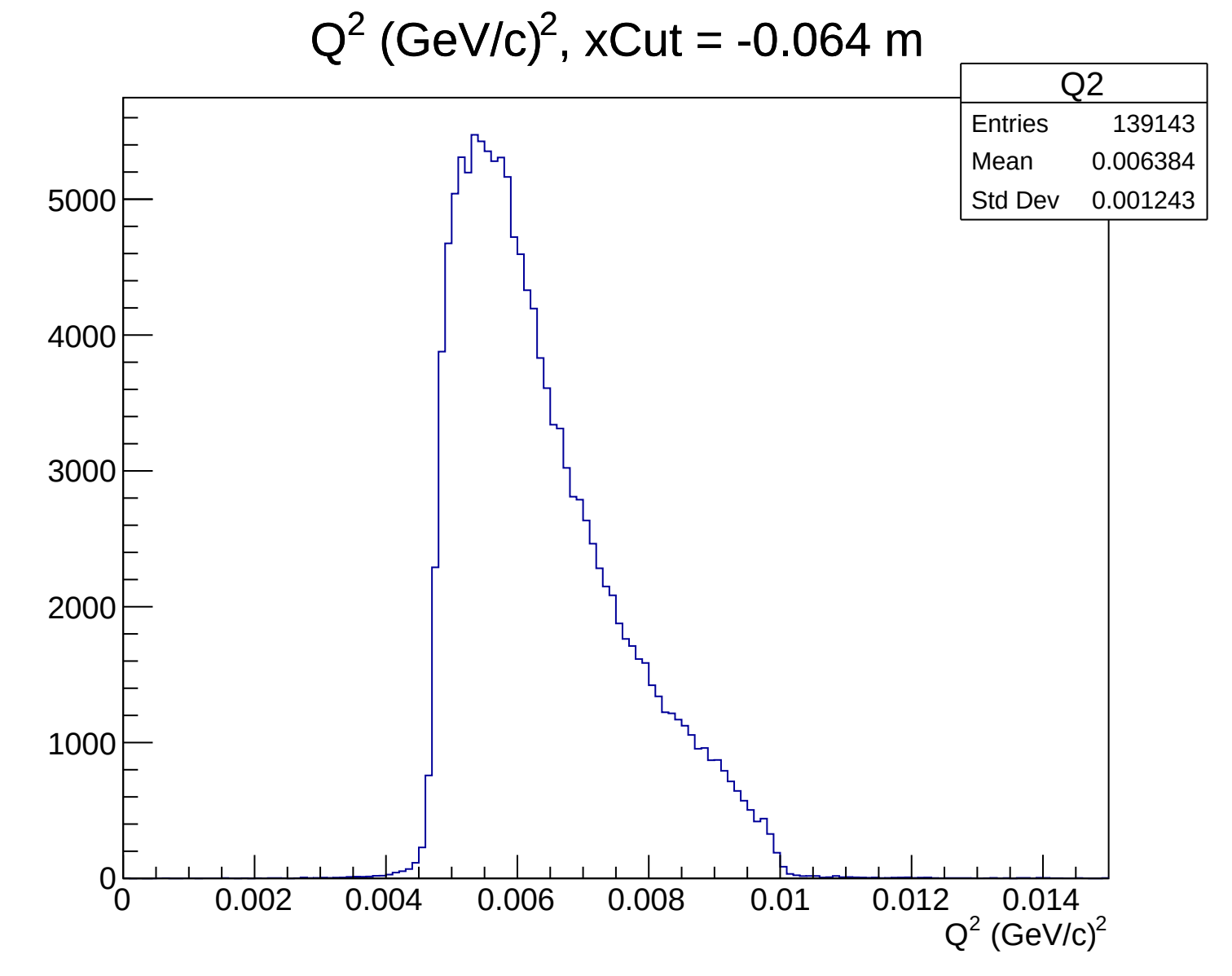

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.064
R.tr.x[0]+1.3*R.tr.th[0] (m)

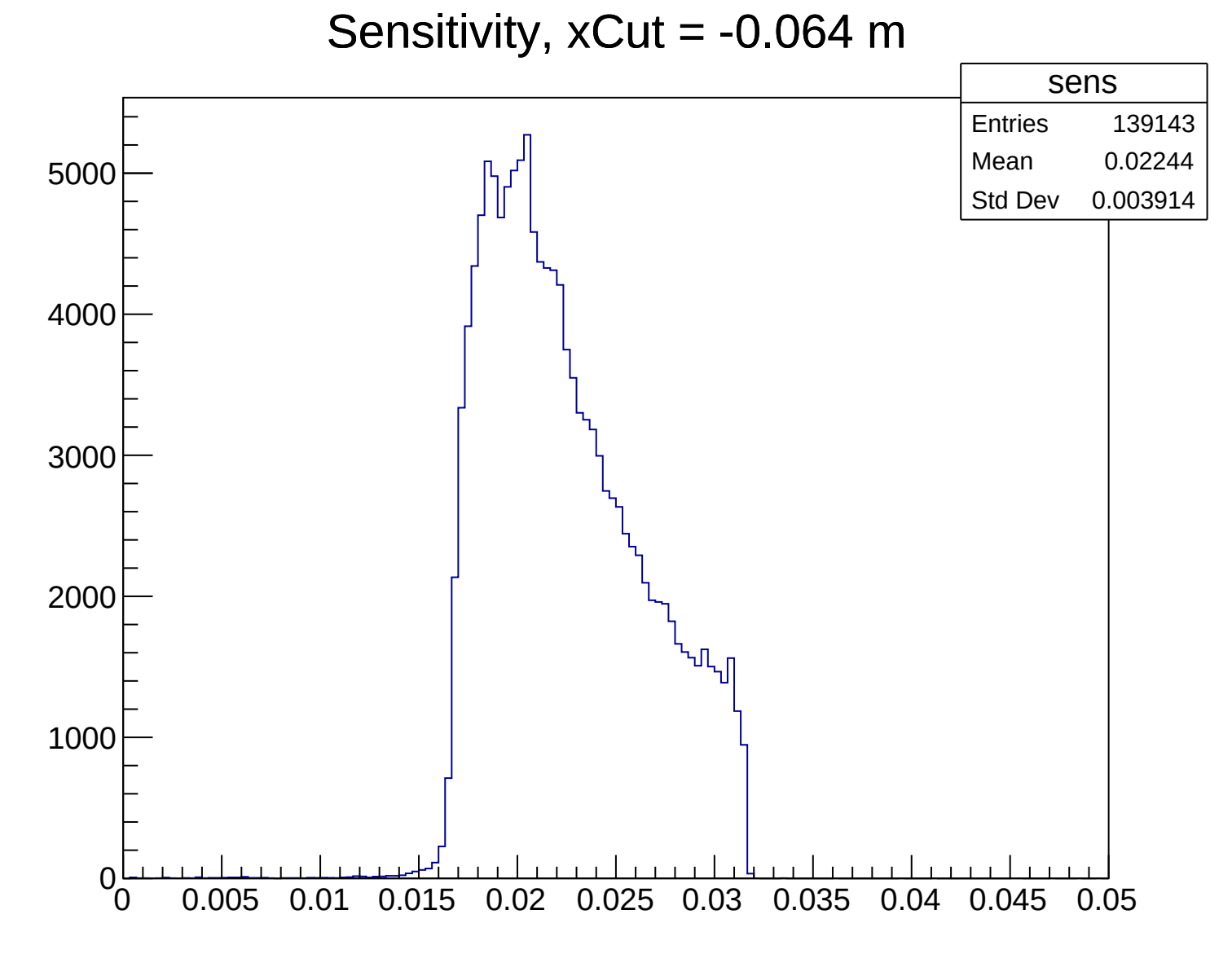

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

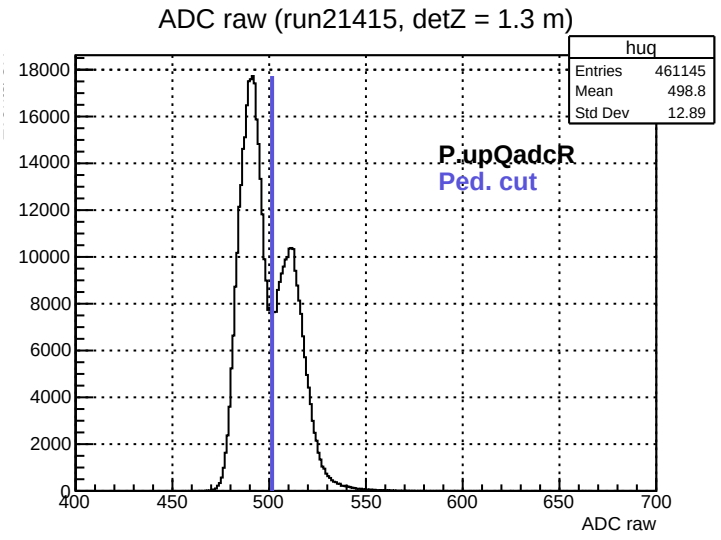

θlab (deg), xCut = -0.064 m
Theta
Entries 139143
Mean 4.806
Std Dev 0.4584
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

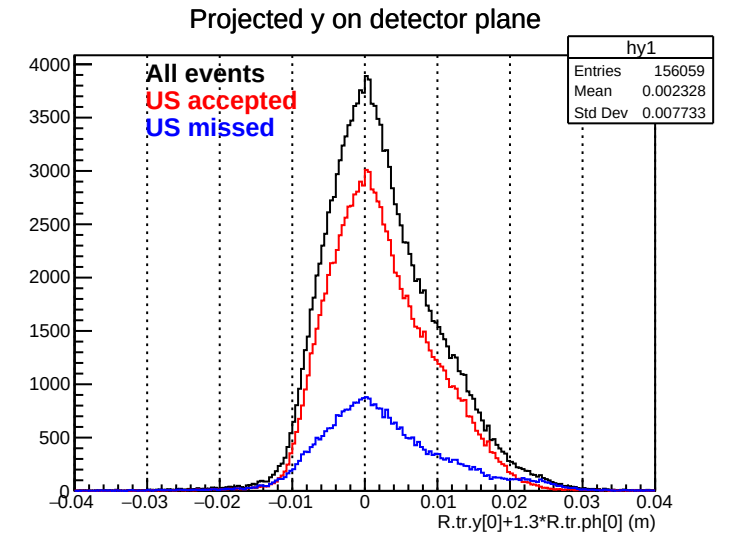

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 139143
Mean 0.5721
Std Dev 0.08752
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

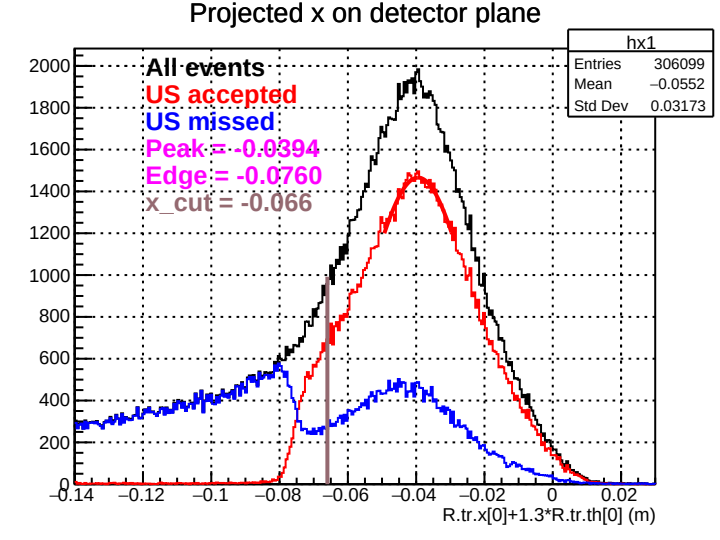

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 139143
Mean 0.559
Std Dev 0.08376
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

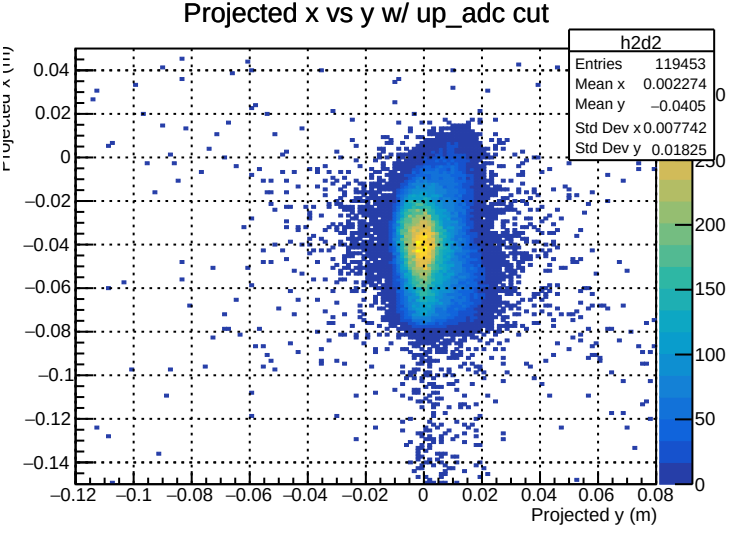

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 139143
Mean 0.006384
Std Dev 0.001243
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

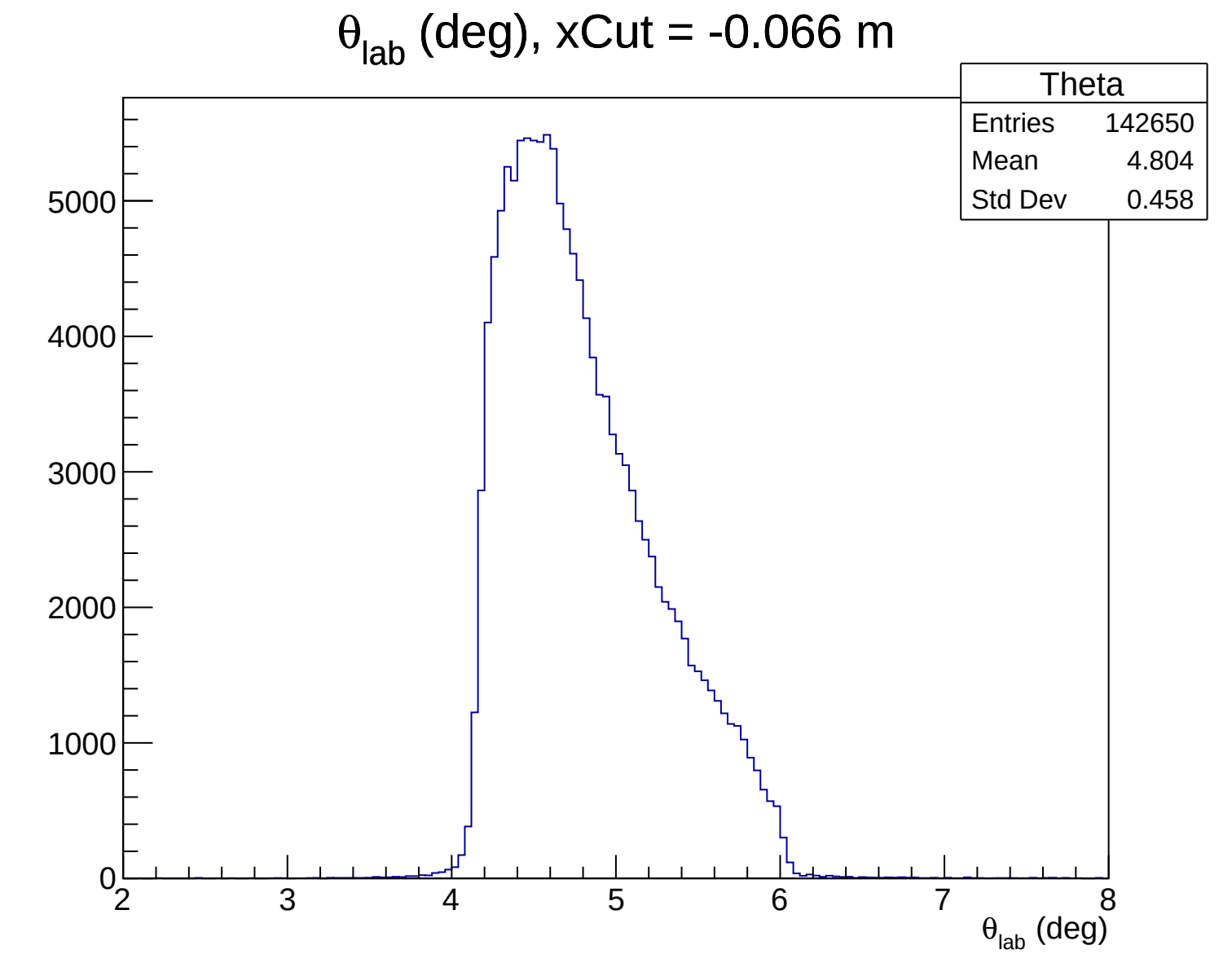

Sensitivity, xCut = -0.064 m
sens
Entries 139143
Mean 0.02244
Std Dev 0.003914
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

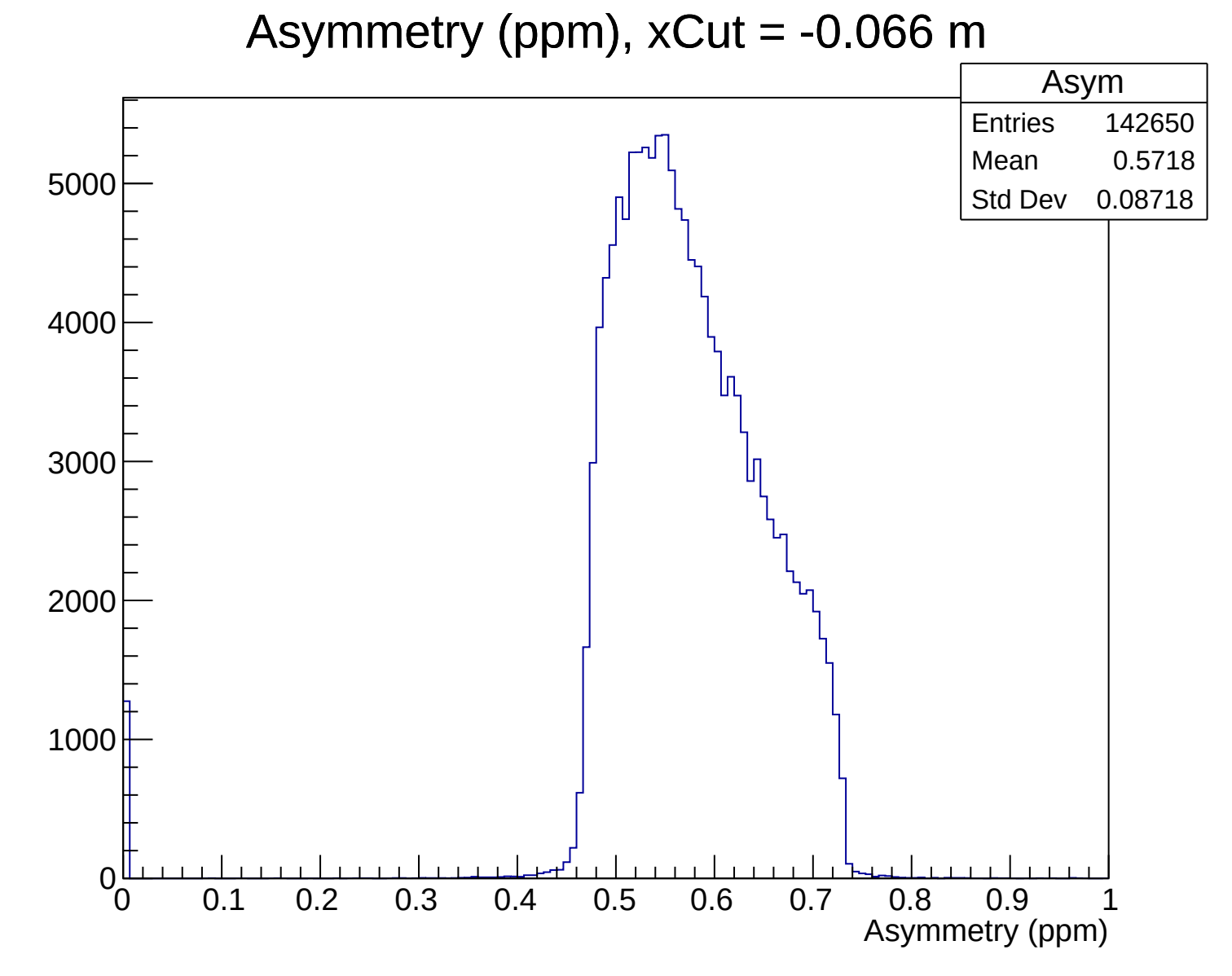

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

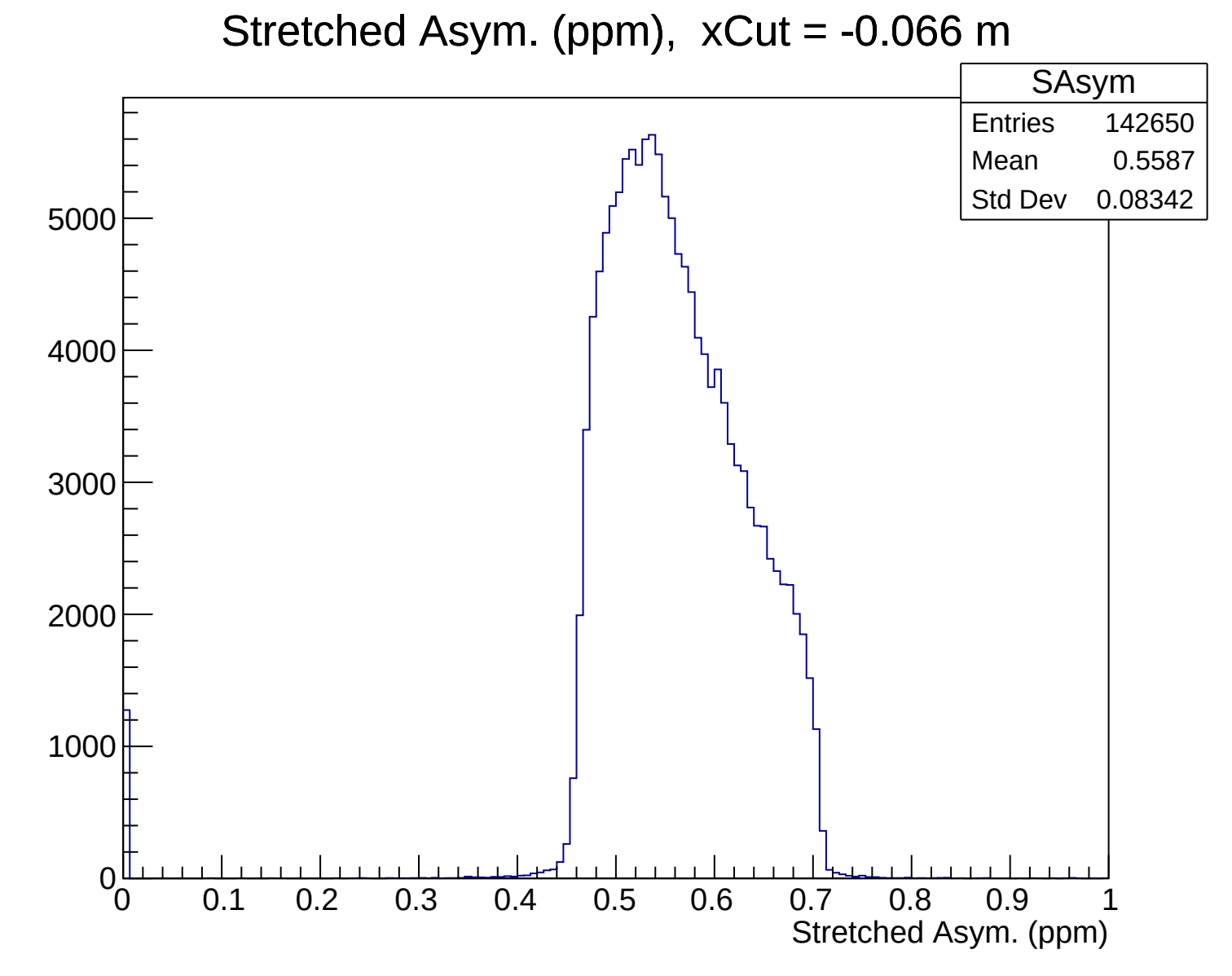

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

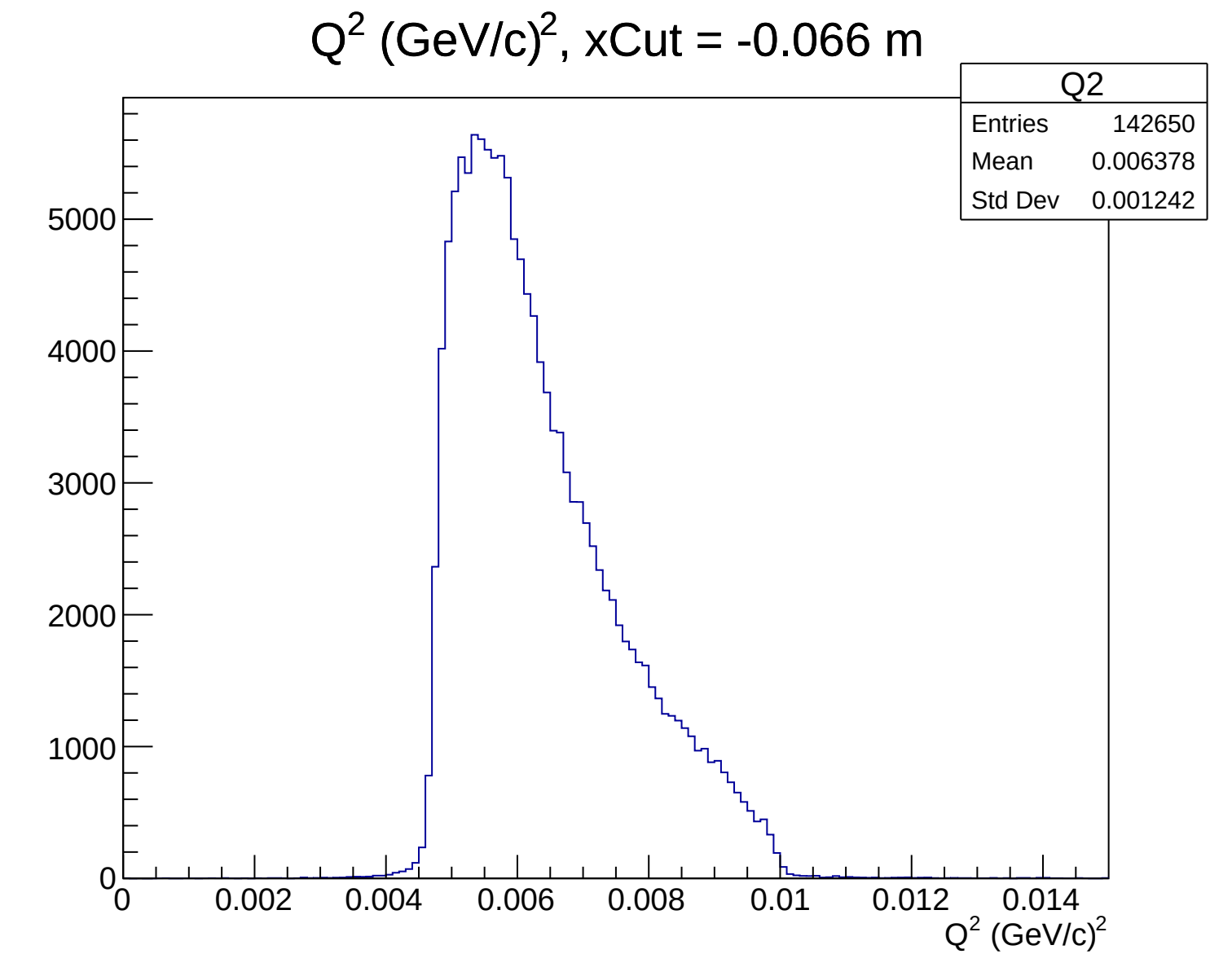

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.066
R.tr.x[0]+1.3*R.tr.th[0] (m)

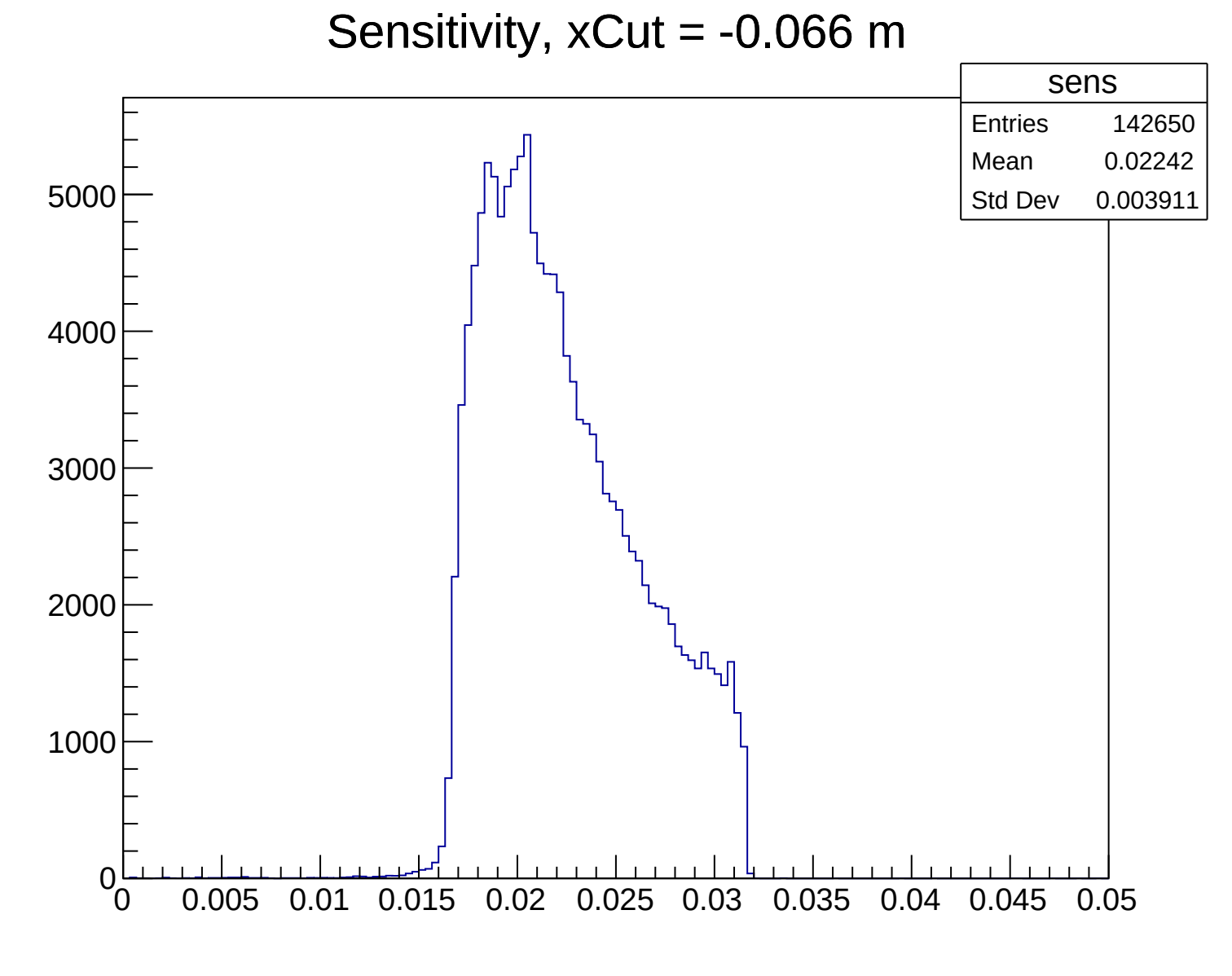

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

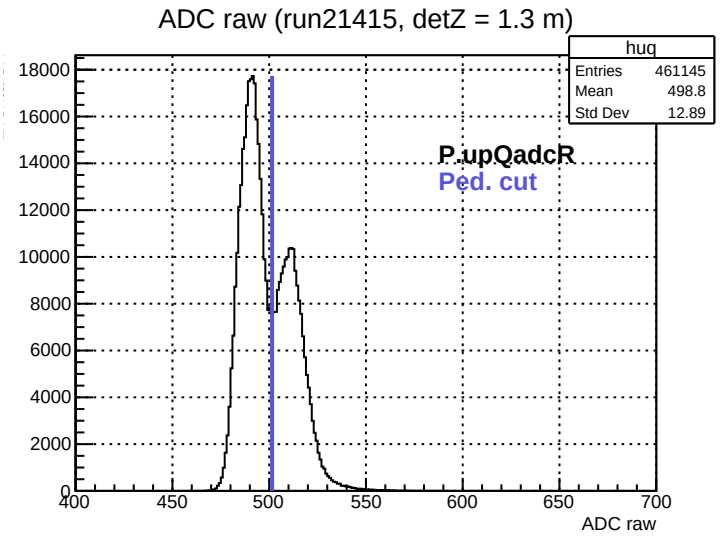

θlab (deg), xCut = -0.066 m
Theta
Entries 142650
Mean 4.804
Std Dev 0.458
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

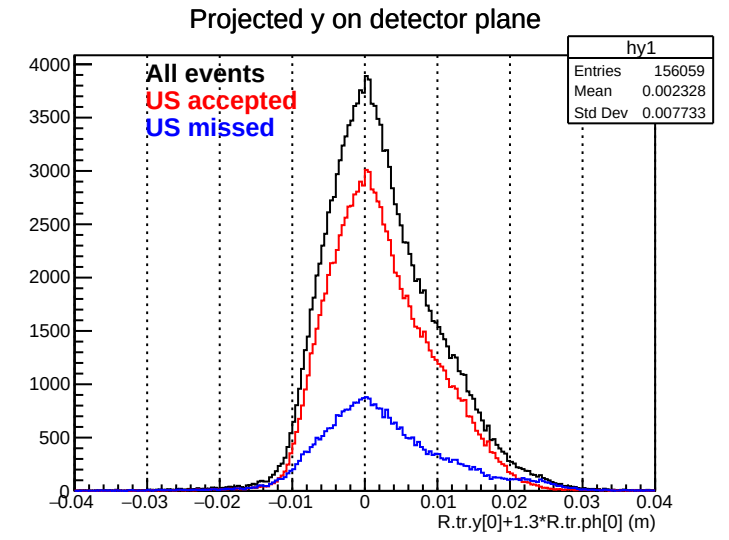

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 142650
Mean 0.5718
Std Dev 0.08718
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

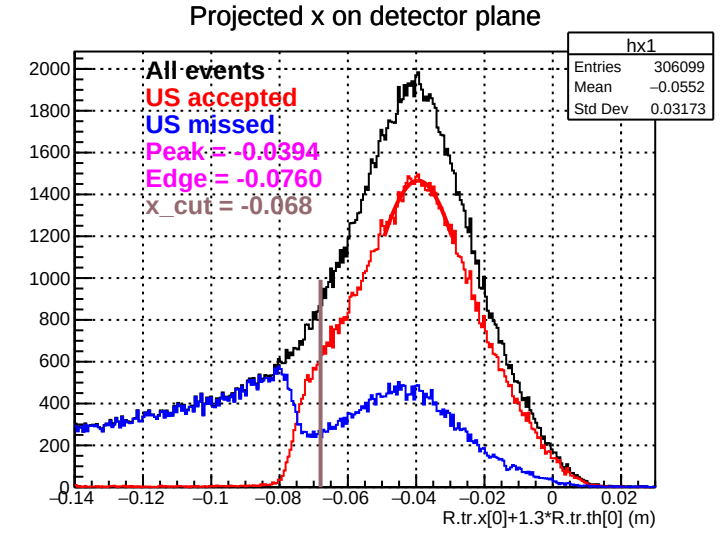

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 142650
Mean 0.5587
Std Dev 0.08342
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

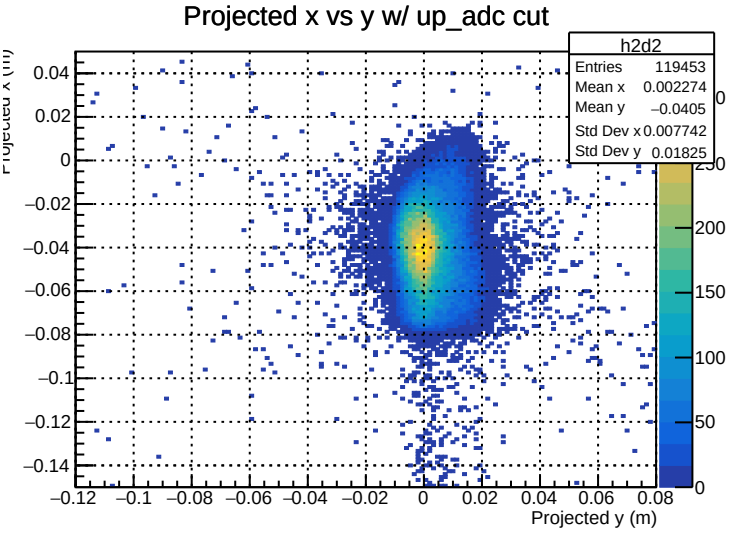

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 142650
Mean 0.006378
Std Dev 0.001242
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

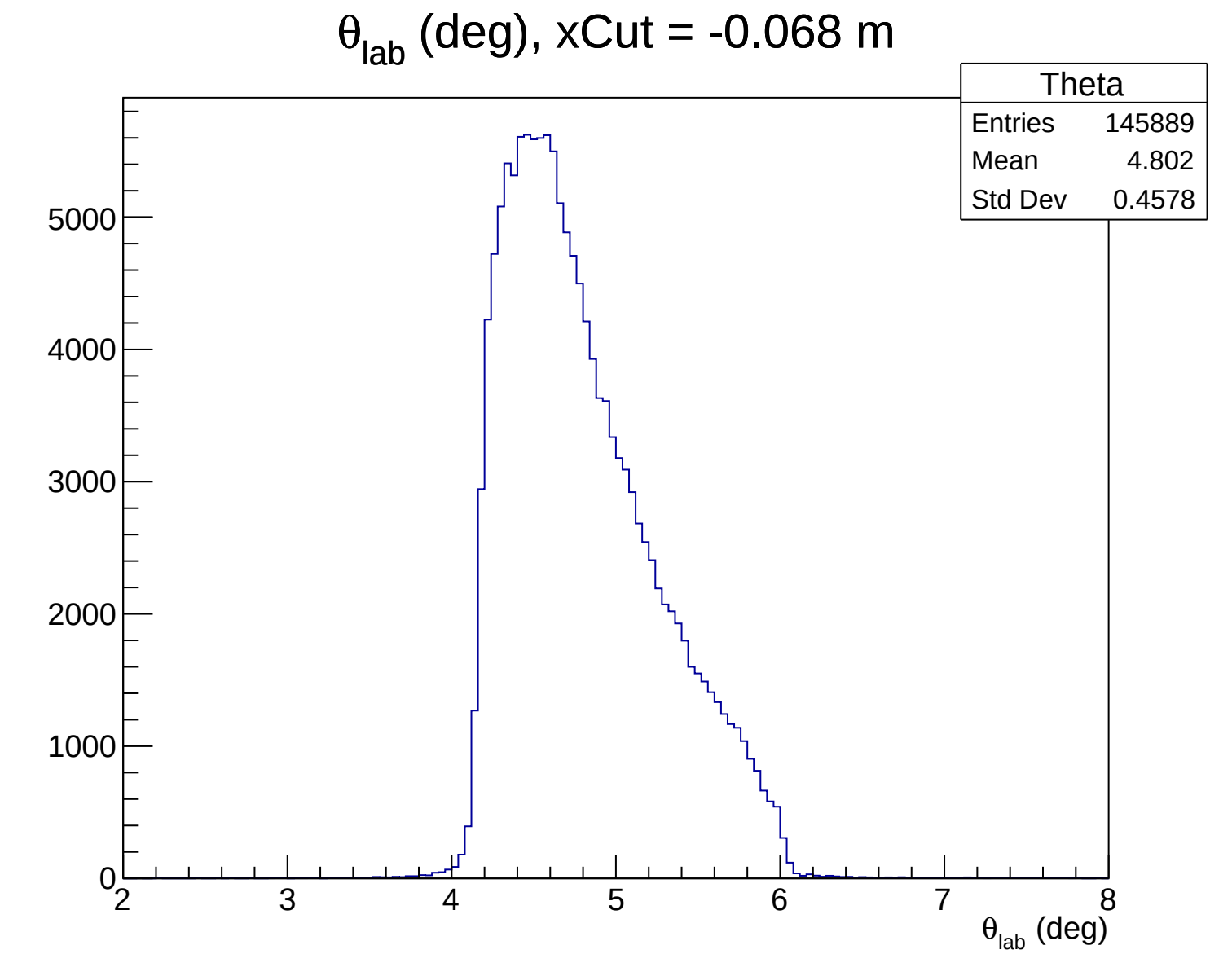

Sensitivity, xCut = -0.066 m
sens
Entries 142650
Mean 0.02242
Std Dev 0.003911
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

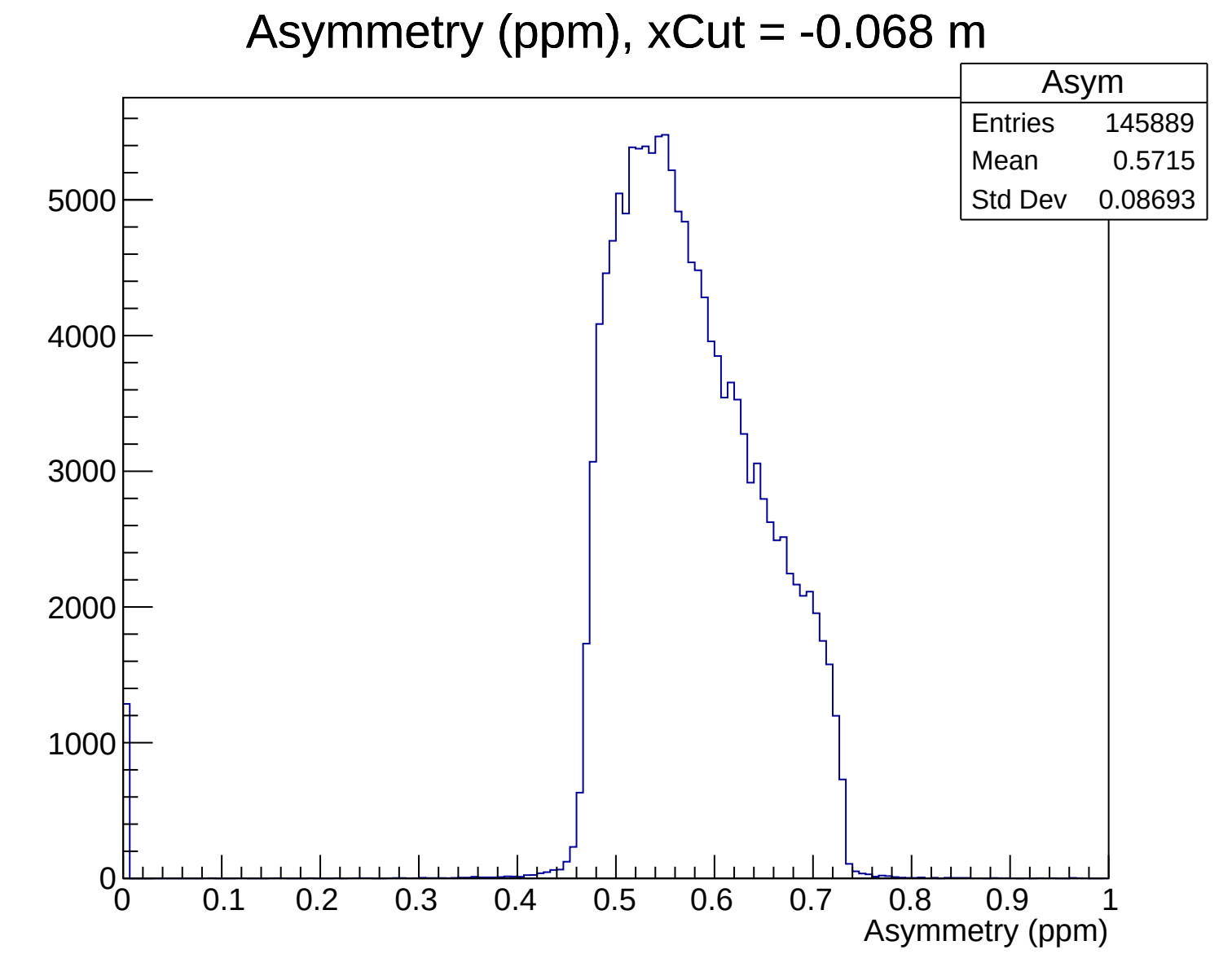

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

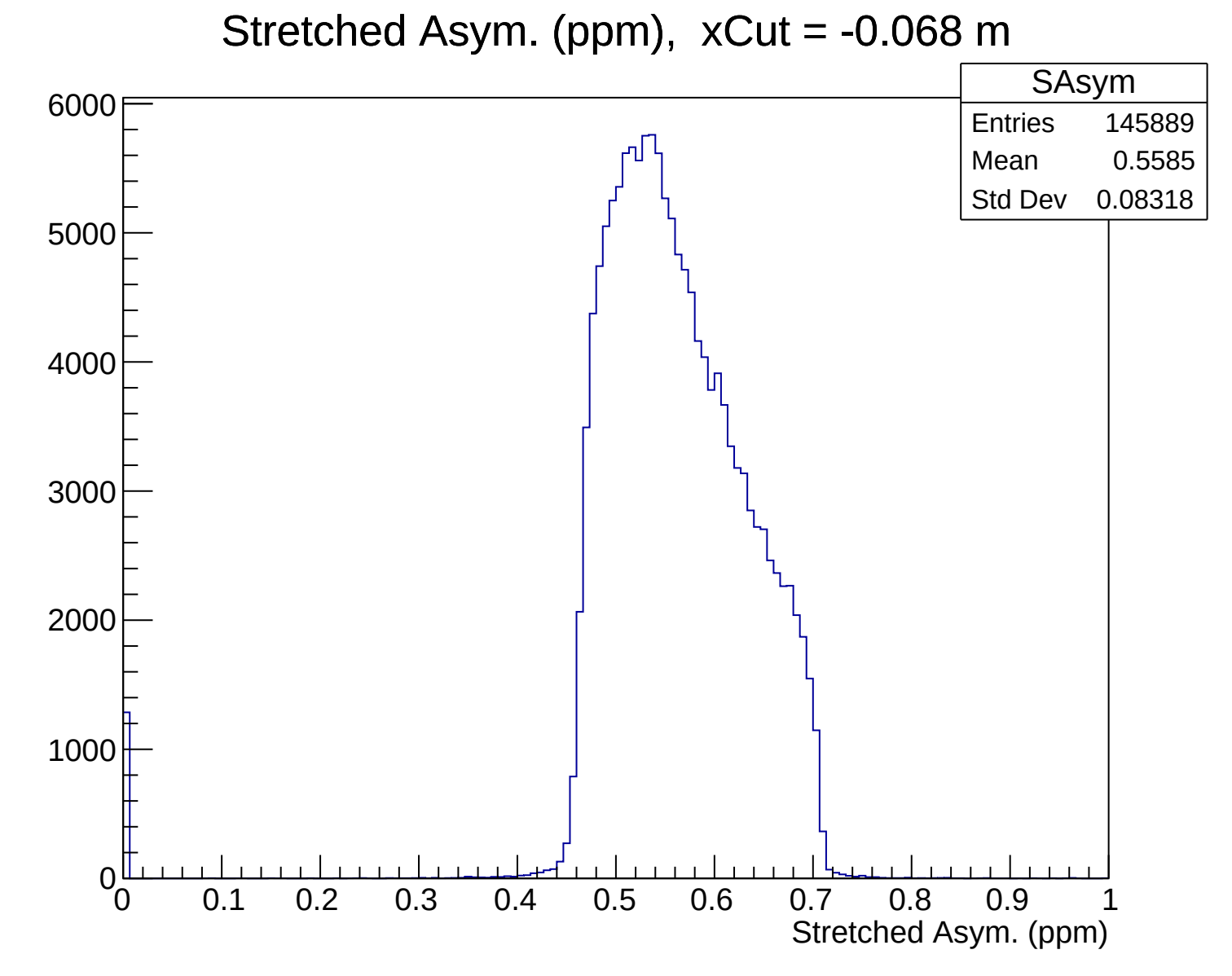

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

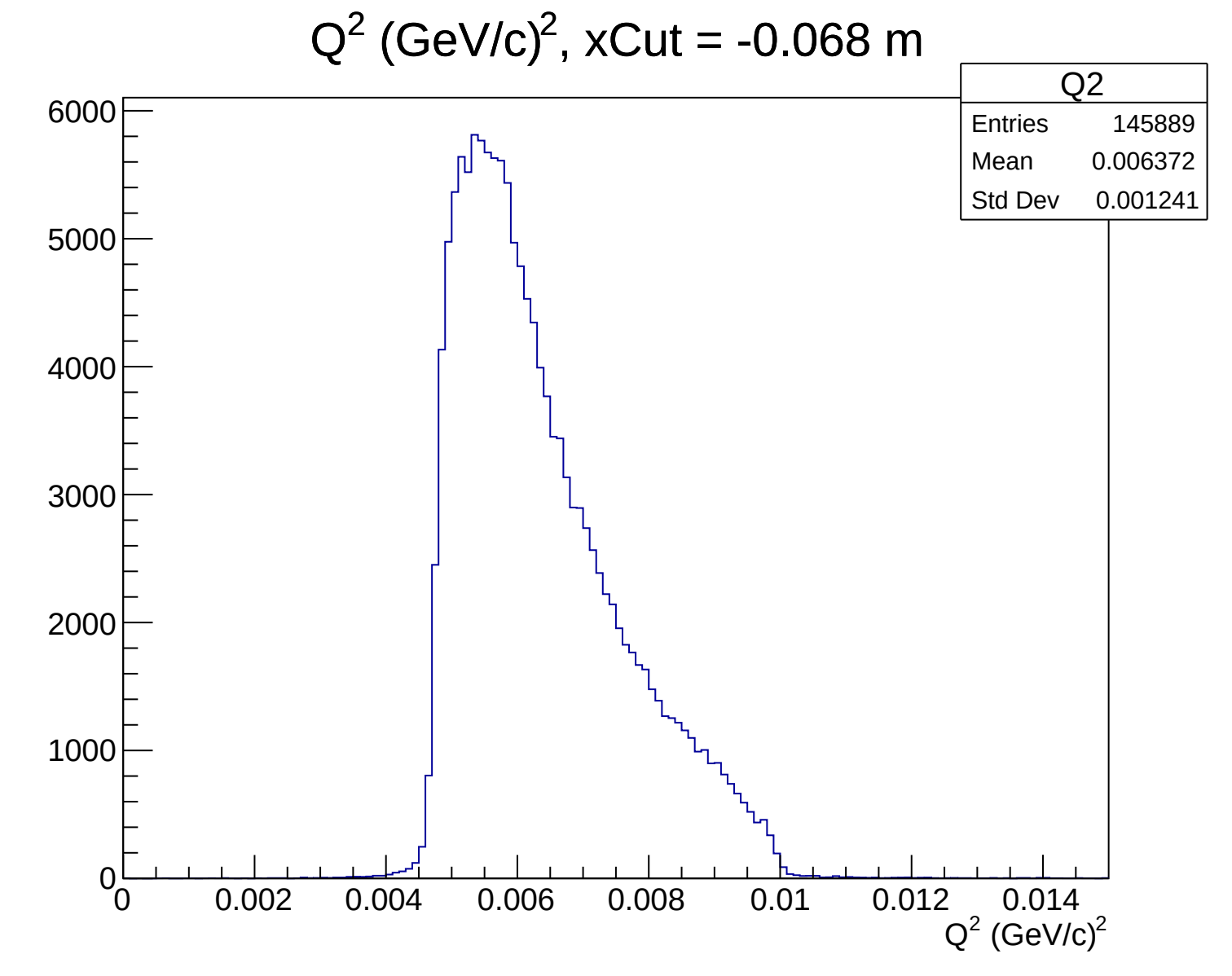

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.068
R.tr.x[0]+1.3*R.tr.th[0] (m)

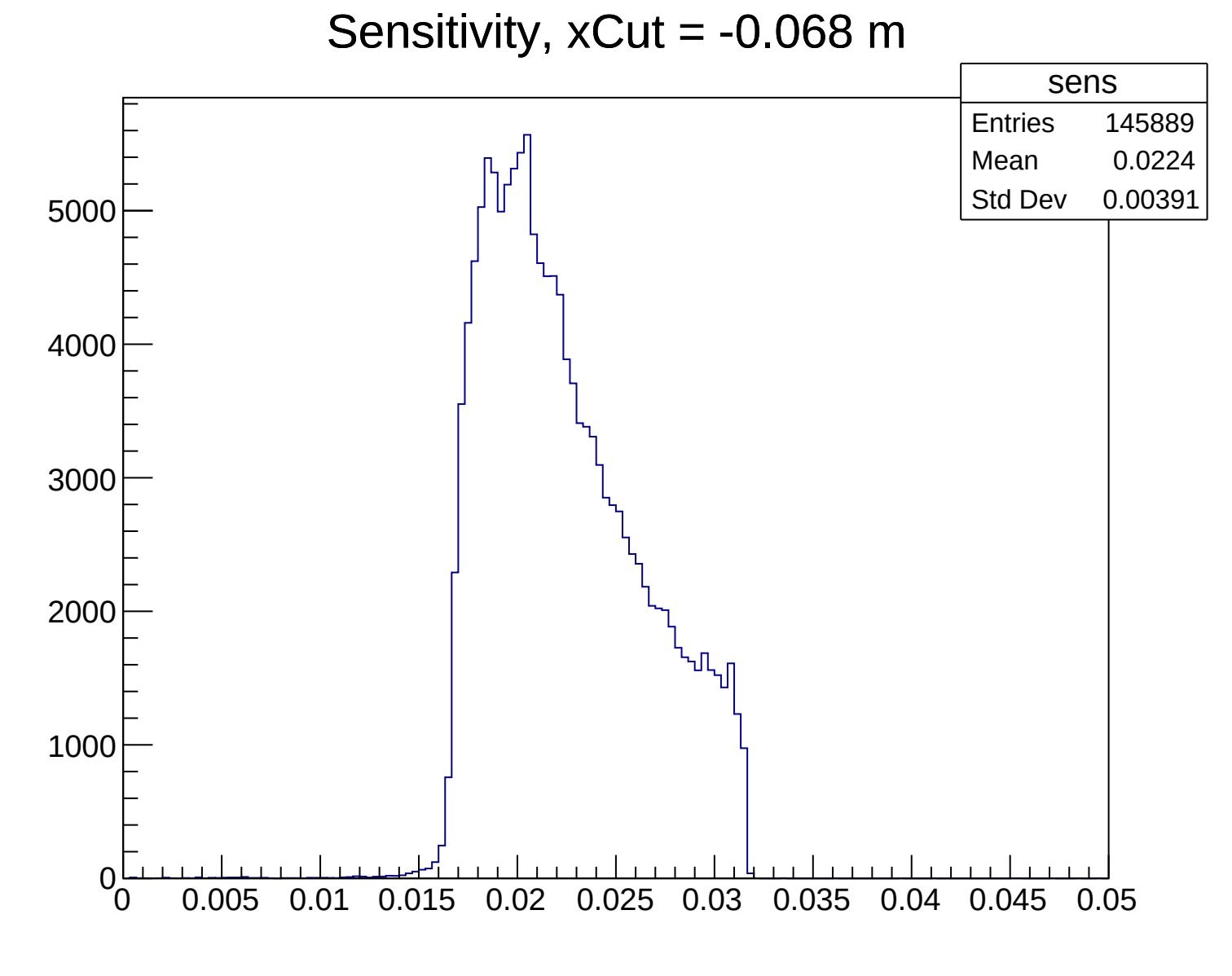

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

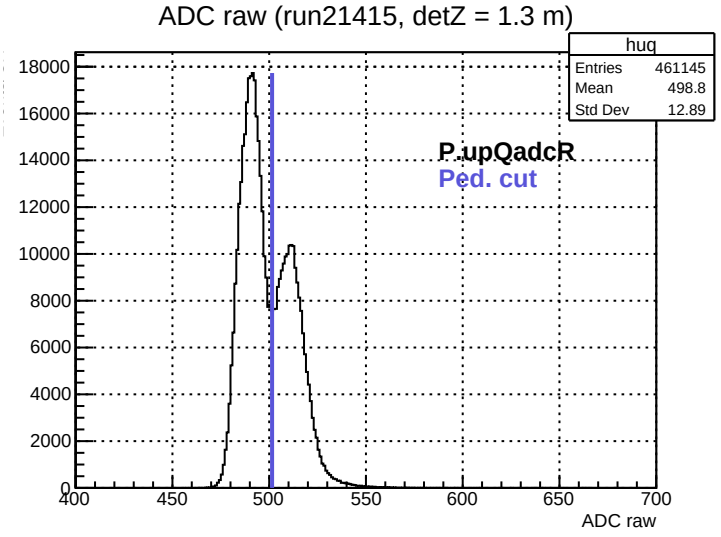

θlab (deg), xCut = -0.068 m
Theta
Entries 145889
Mean 4.802
Std Dev 0.4578
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

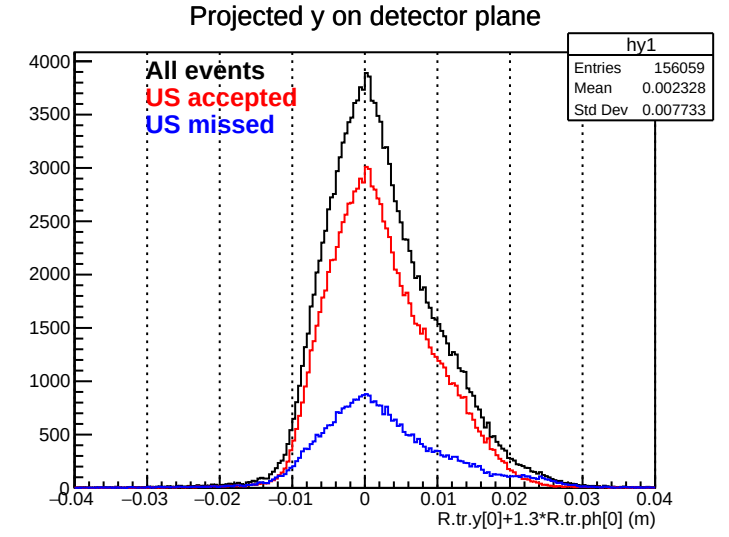

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 145889
Mean 0.5715
Std Dev 0.08693
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

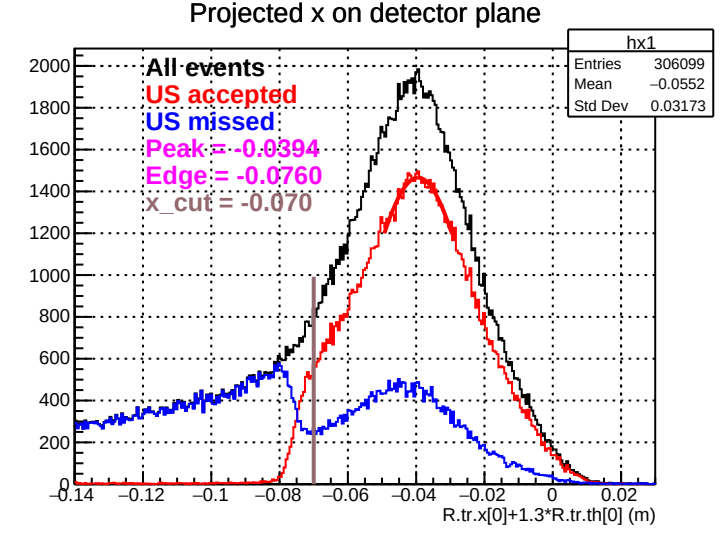

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 145889
Mean 0.5585
Std Dev 0.08318
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

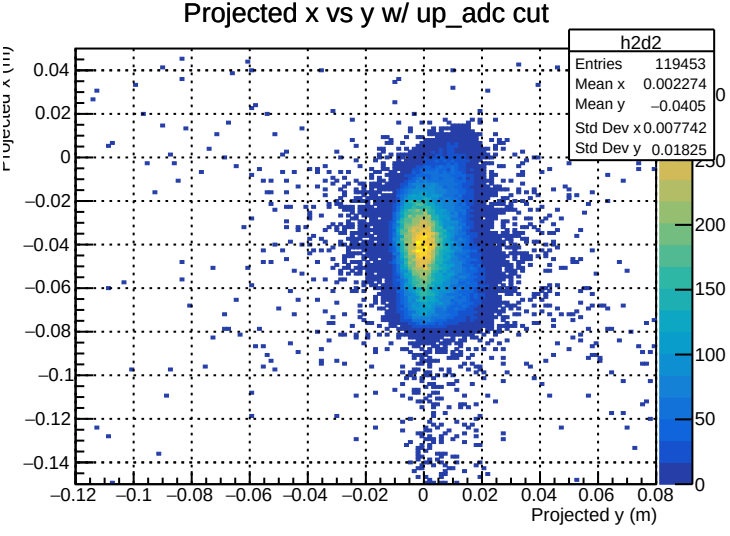

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 145889
Mean 0.006372
Std Dev 0.001241
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

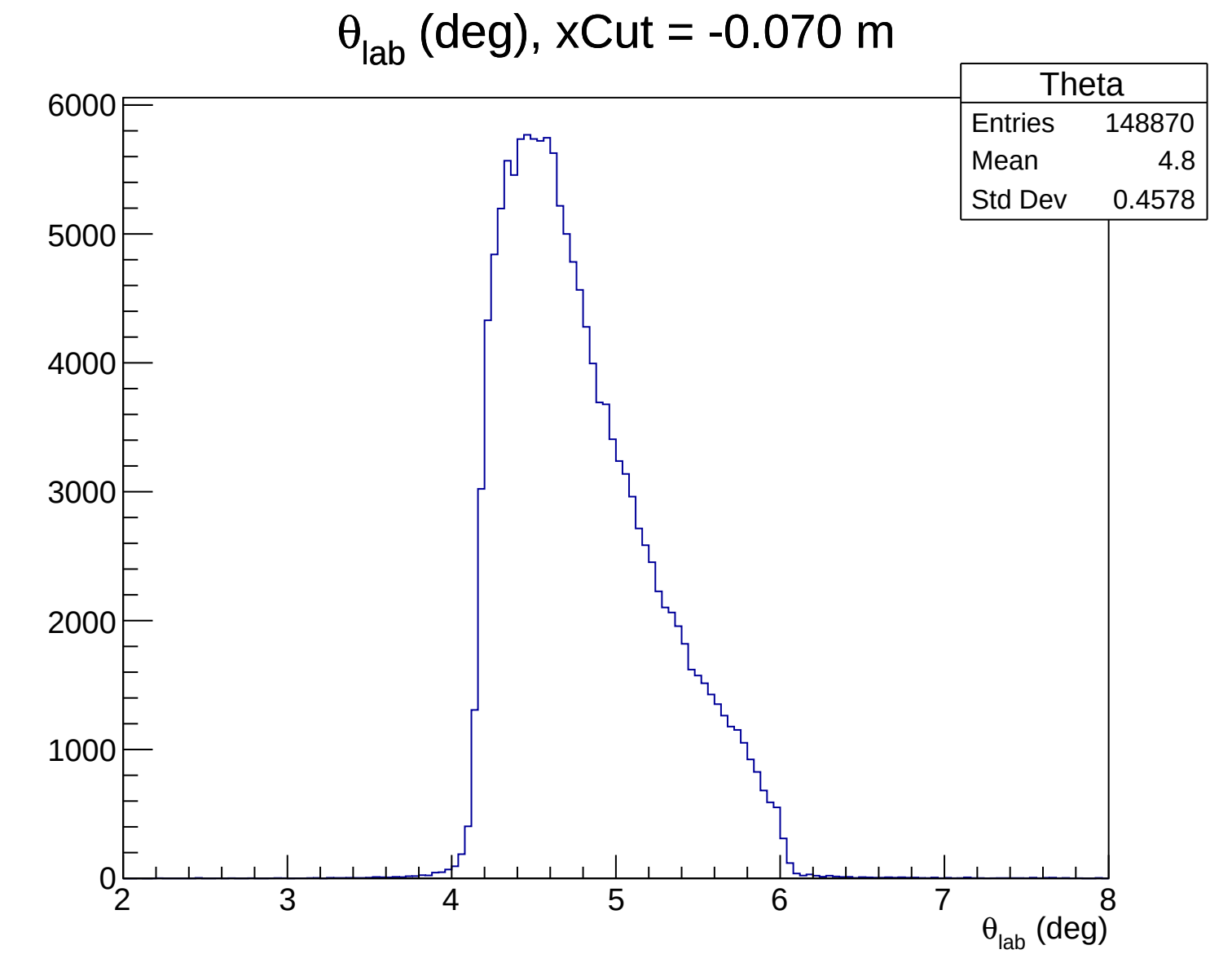

Sensitivity, xCut = -0.068 m
sens
Entries 145889
Mean 0.0224
Std Dev 0.00391
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

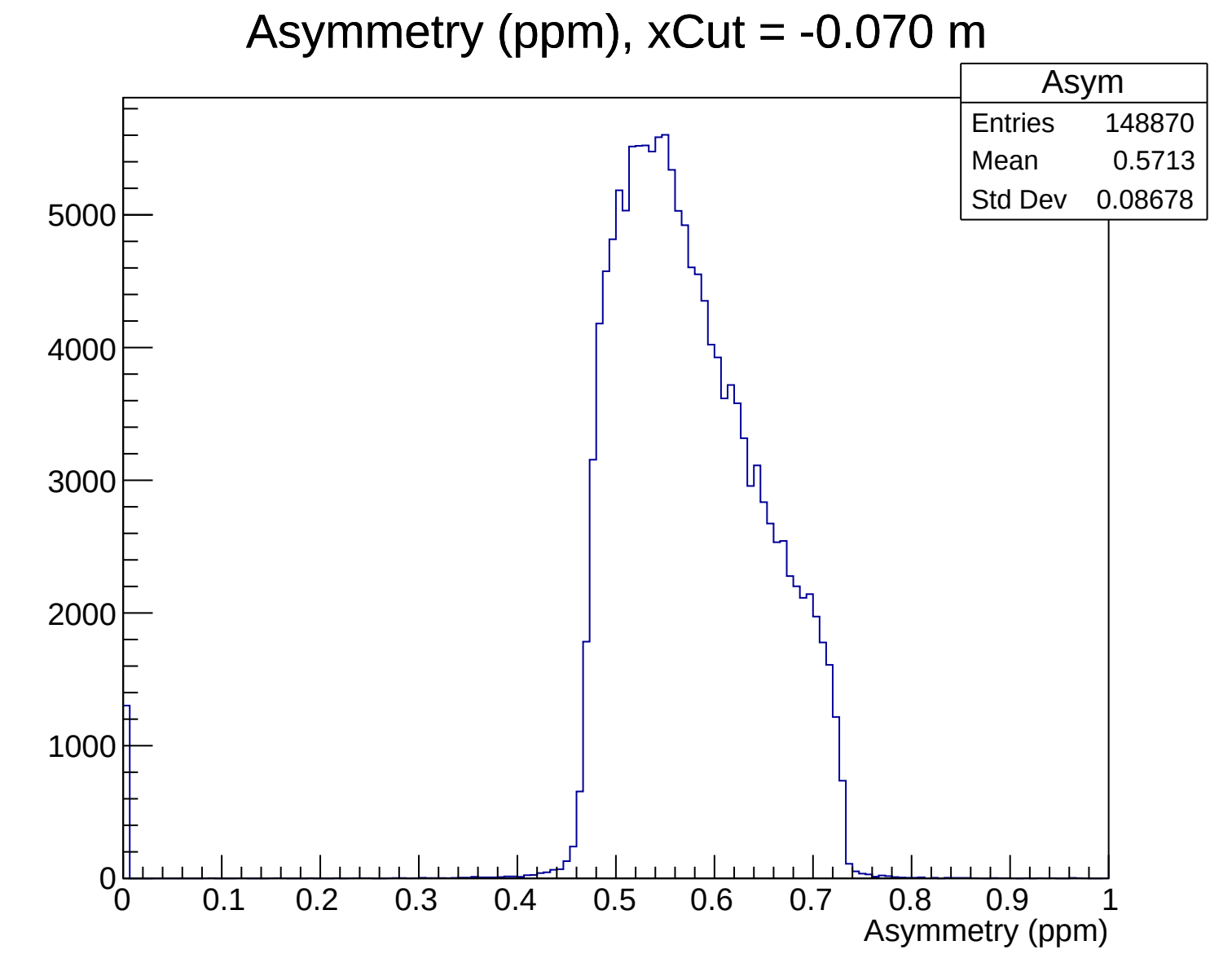

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

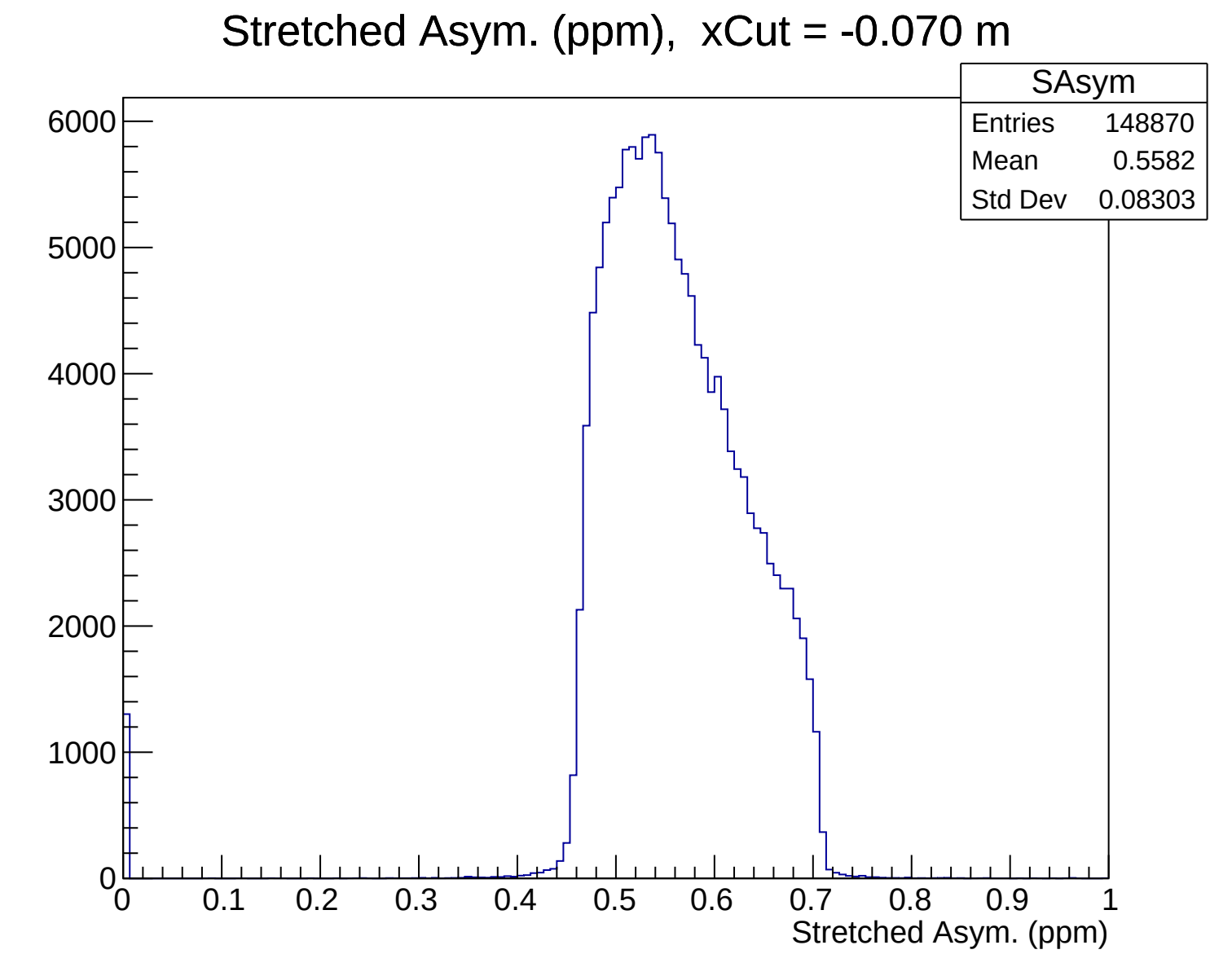

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

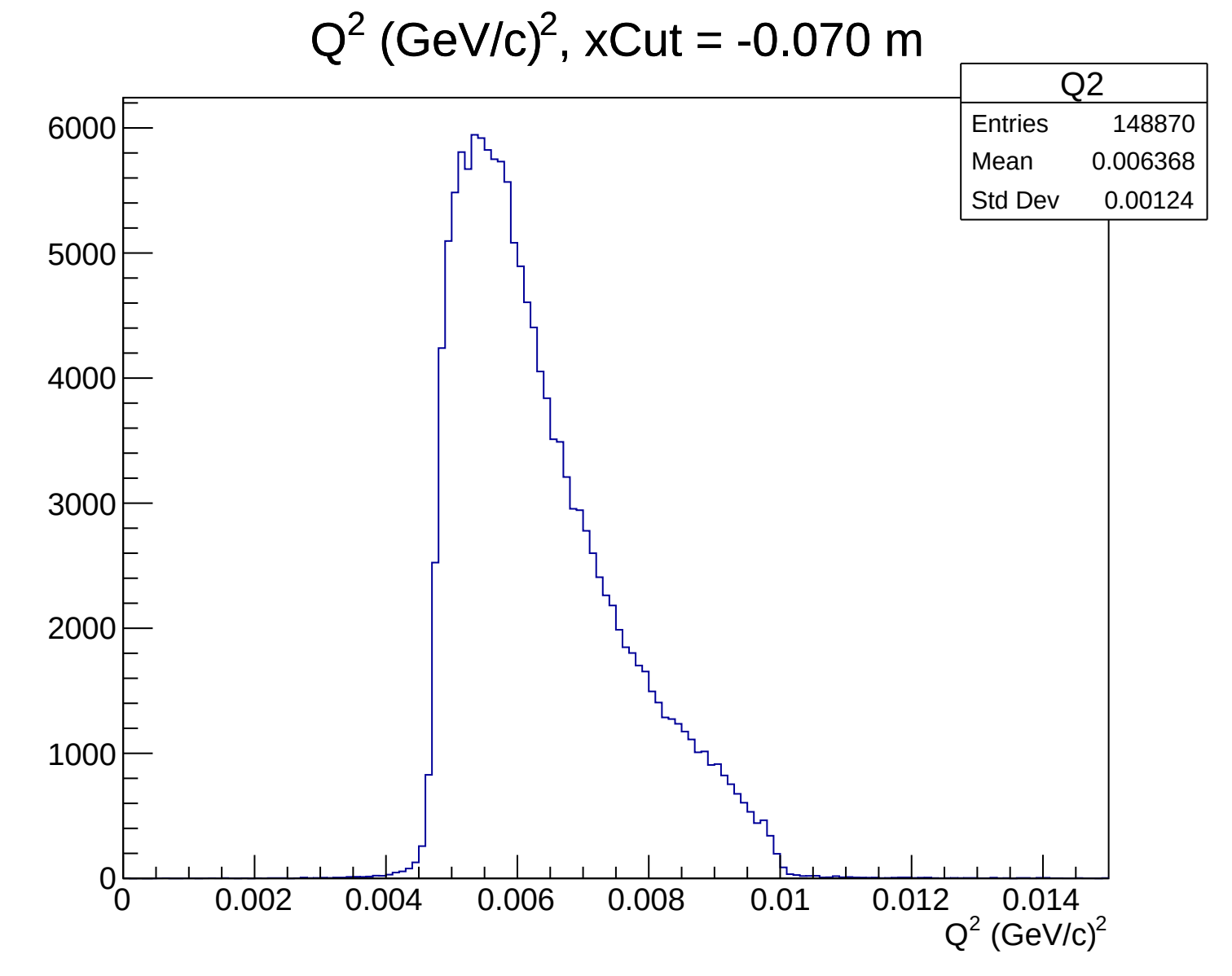

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.070
R.tr.x[0]+1.3*R.tr.th[0] (m)

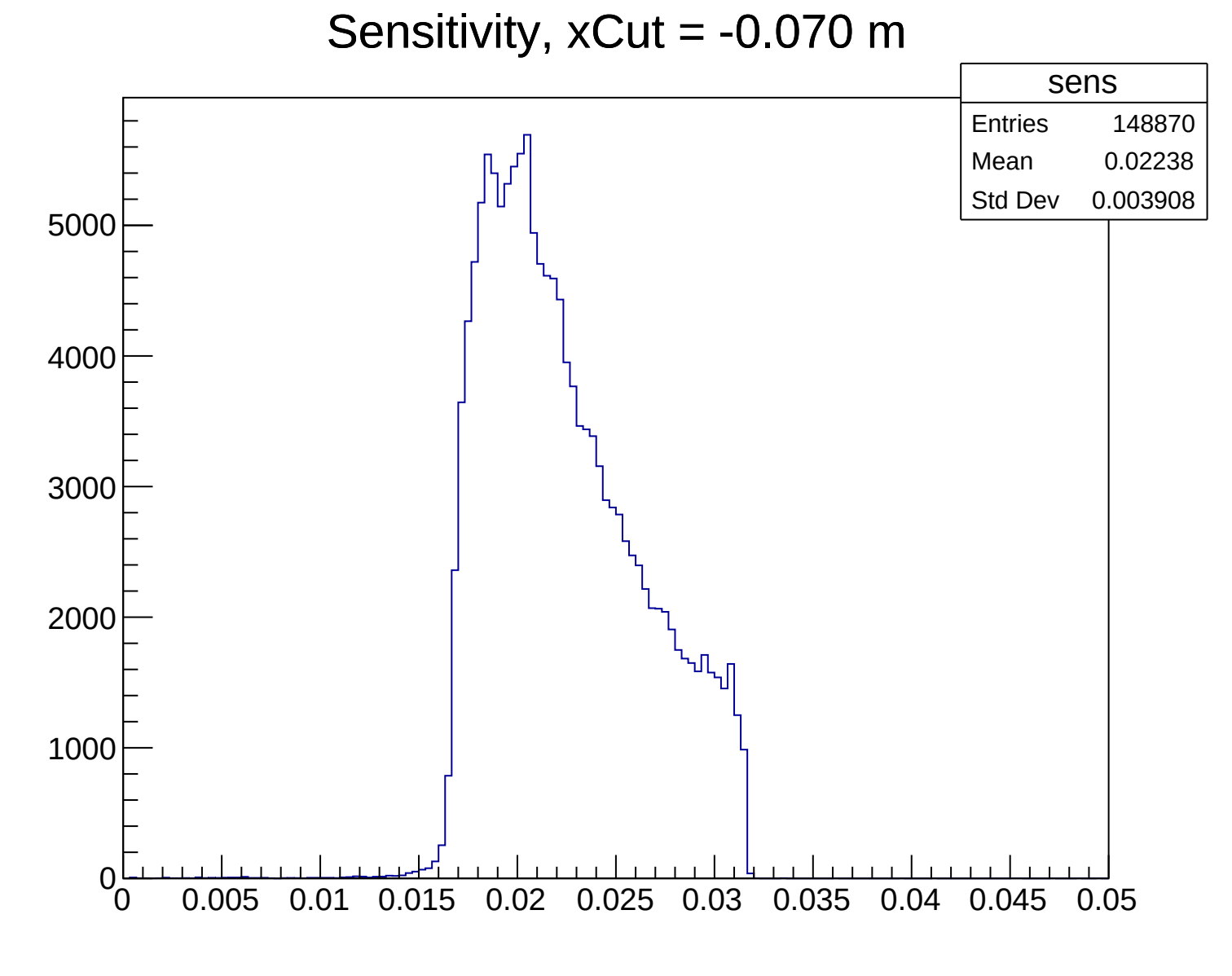

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

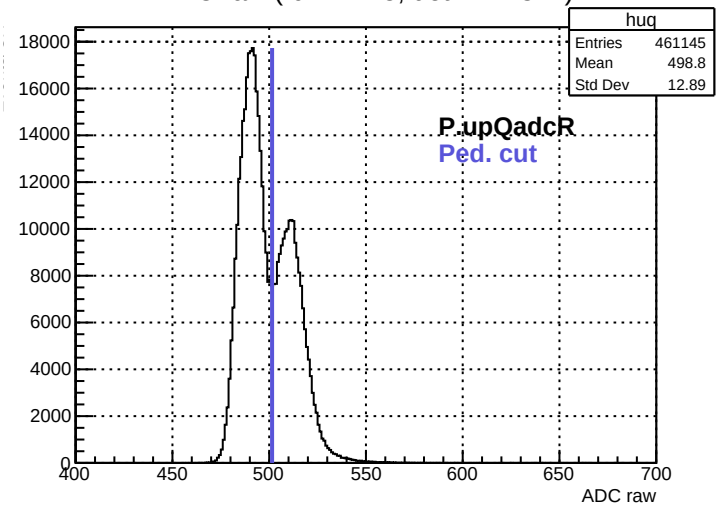

θlab (deg), xCut = -0.070 m
Theta
Entries 148870
Mean 4.8
Std Dev 0.4578
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

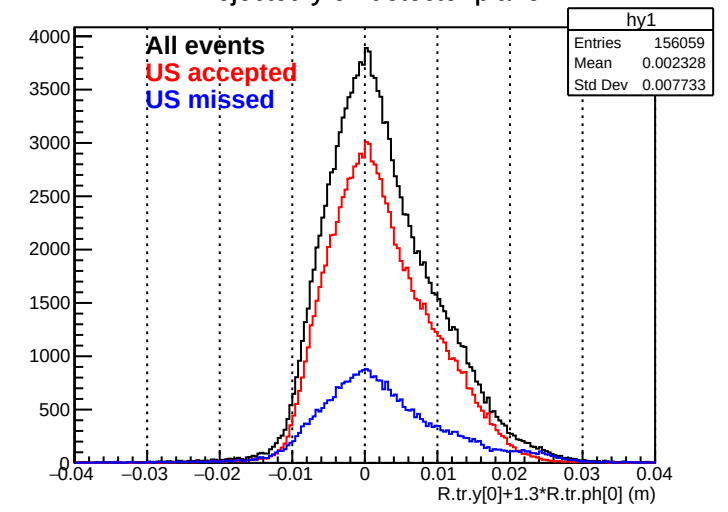

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 148870
Mean 0.5713
Std Dev 0.08678
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

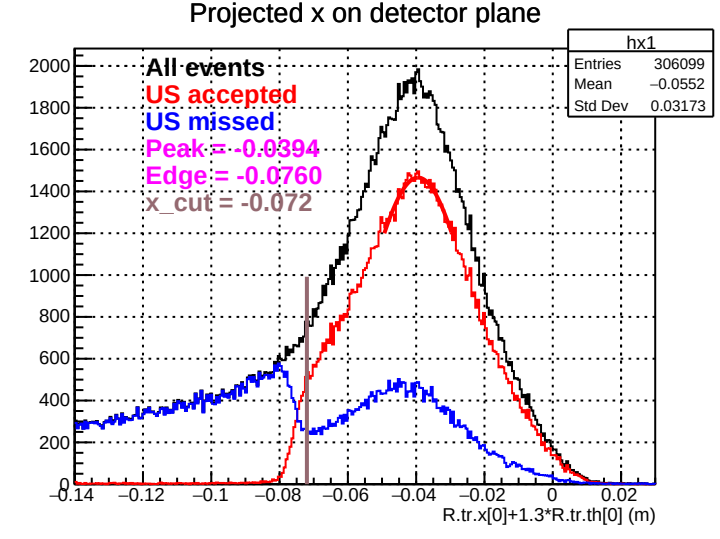

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 148870
Mean 0.5582
Std Dev 0.08303
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

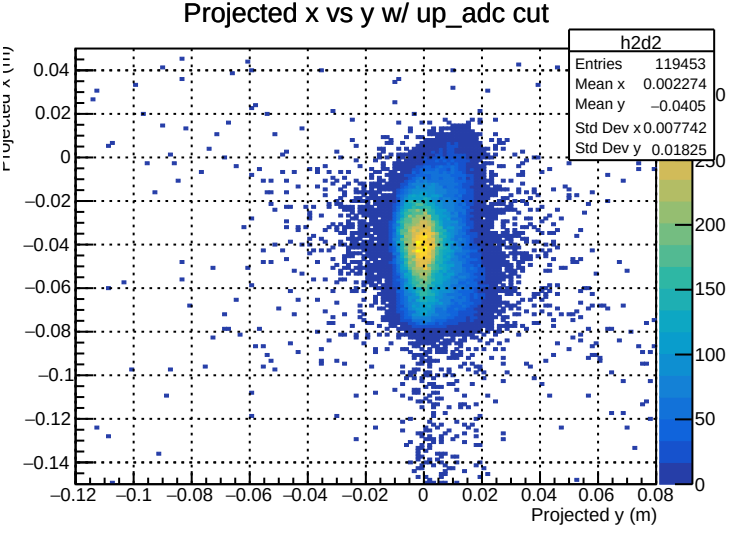

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 148870
Mean 0.006368
Std Dev 0.00124
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

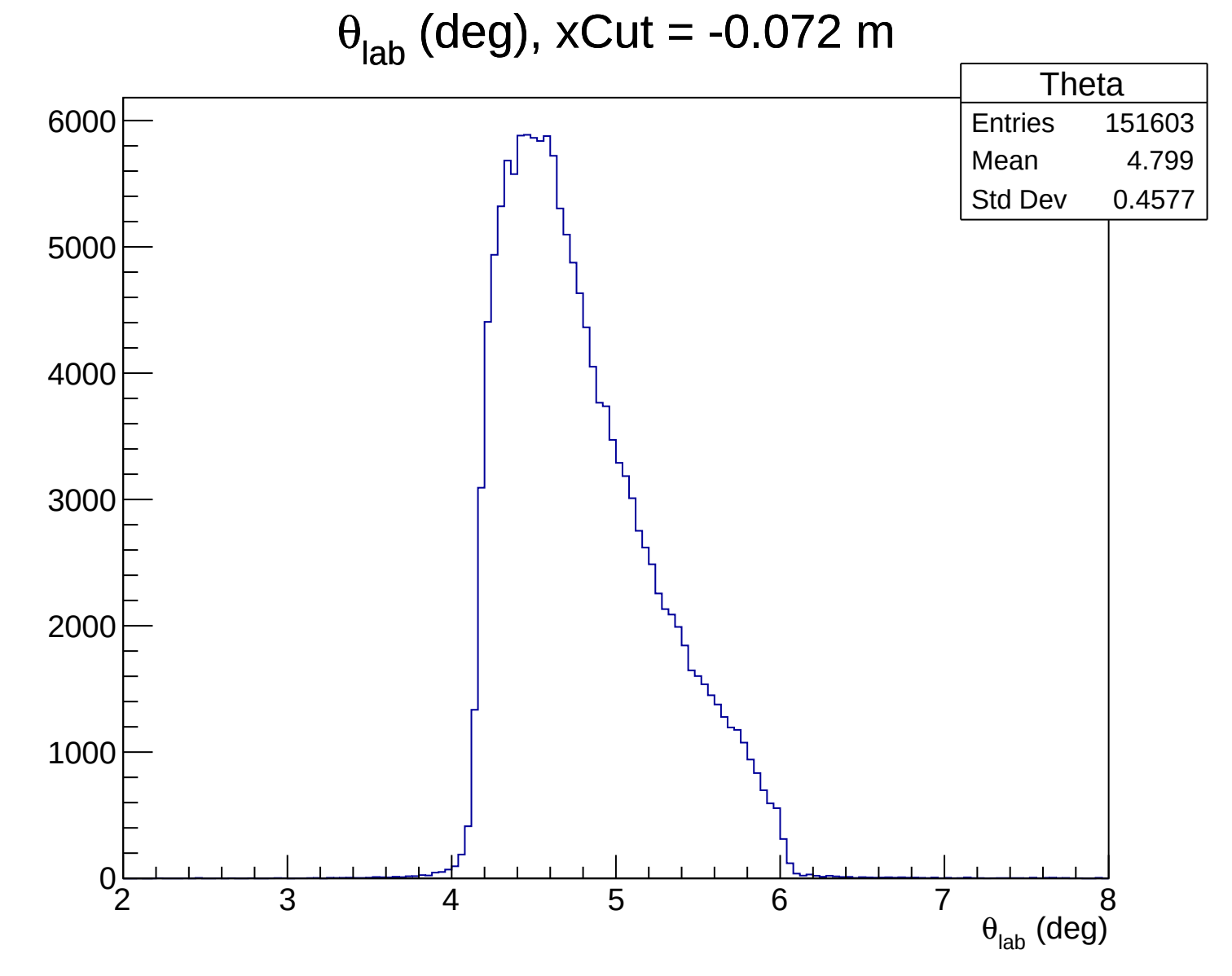

Sensitivity, xCut = -0.070 m
sens
Entries 148870
Mean 0.02238
Std Dev 0.003908
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

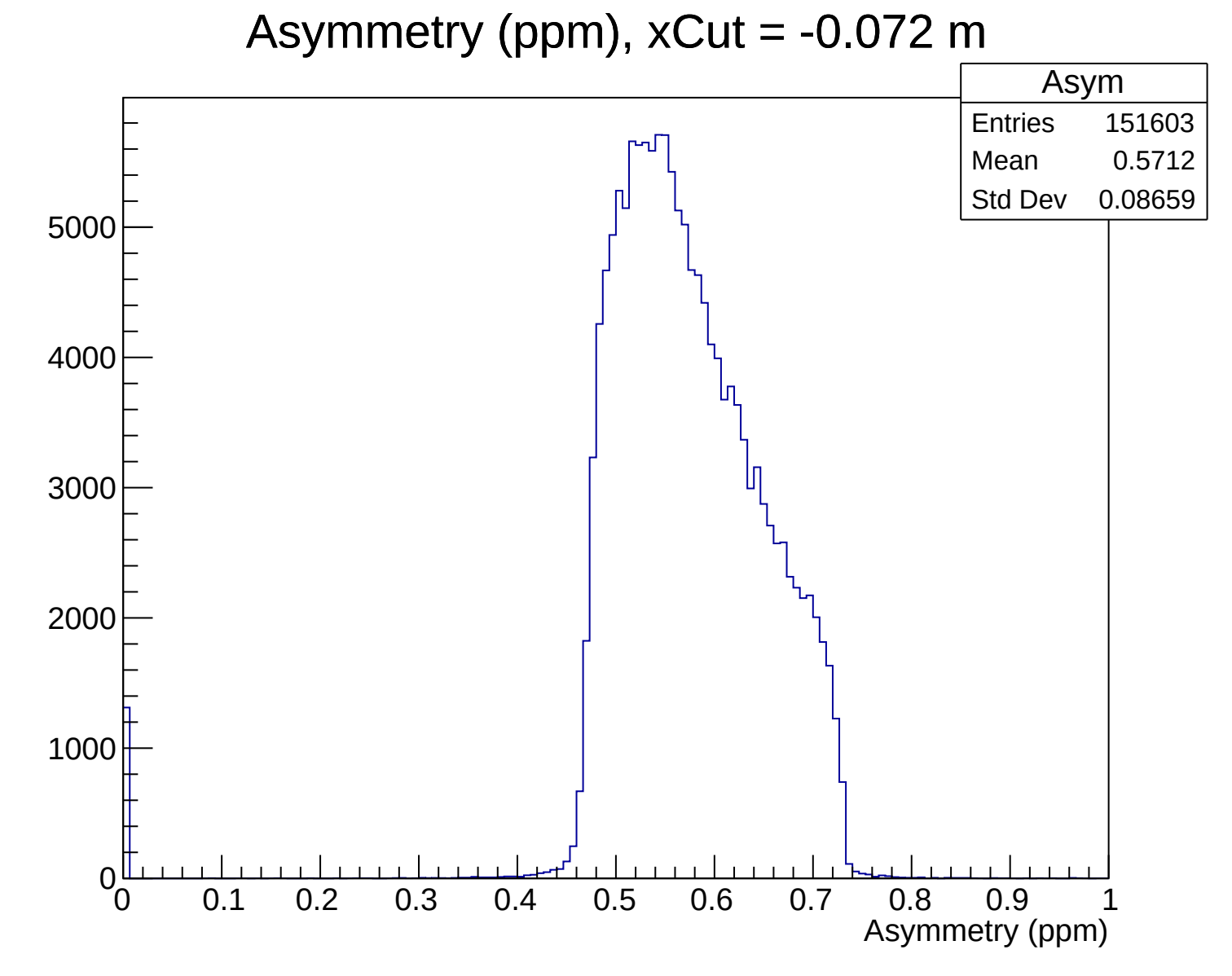

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

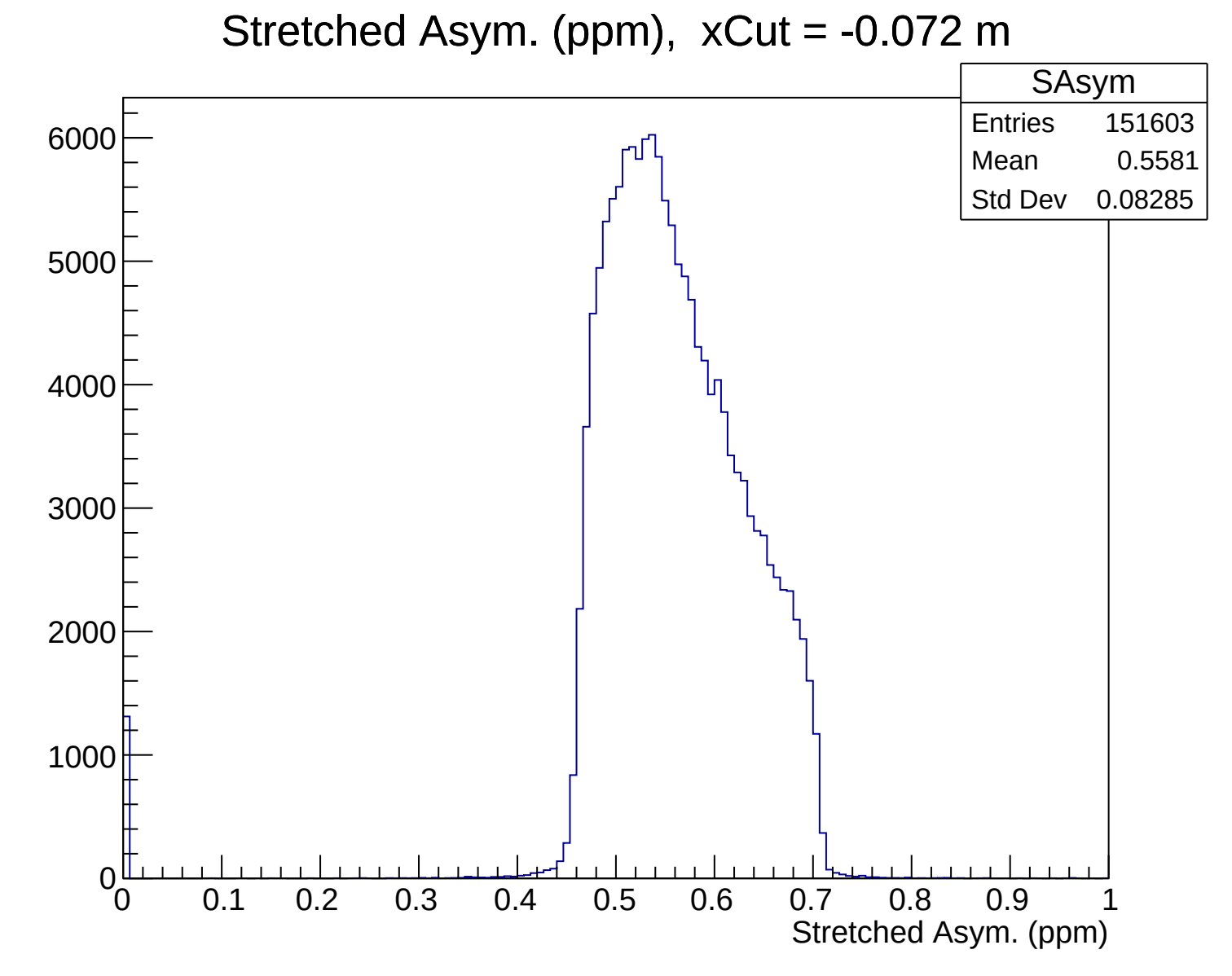

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

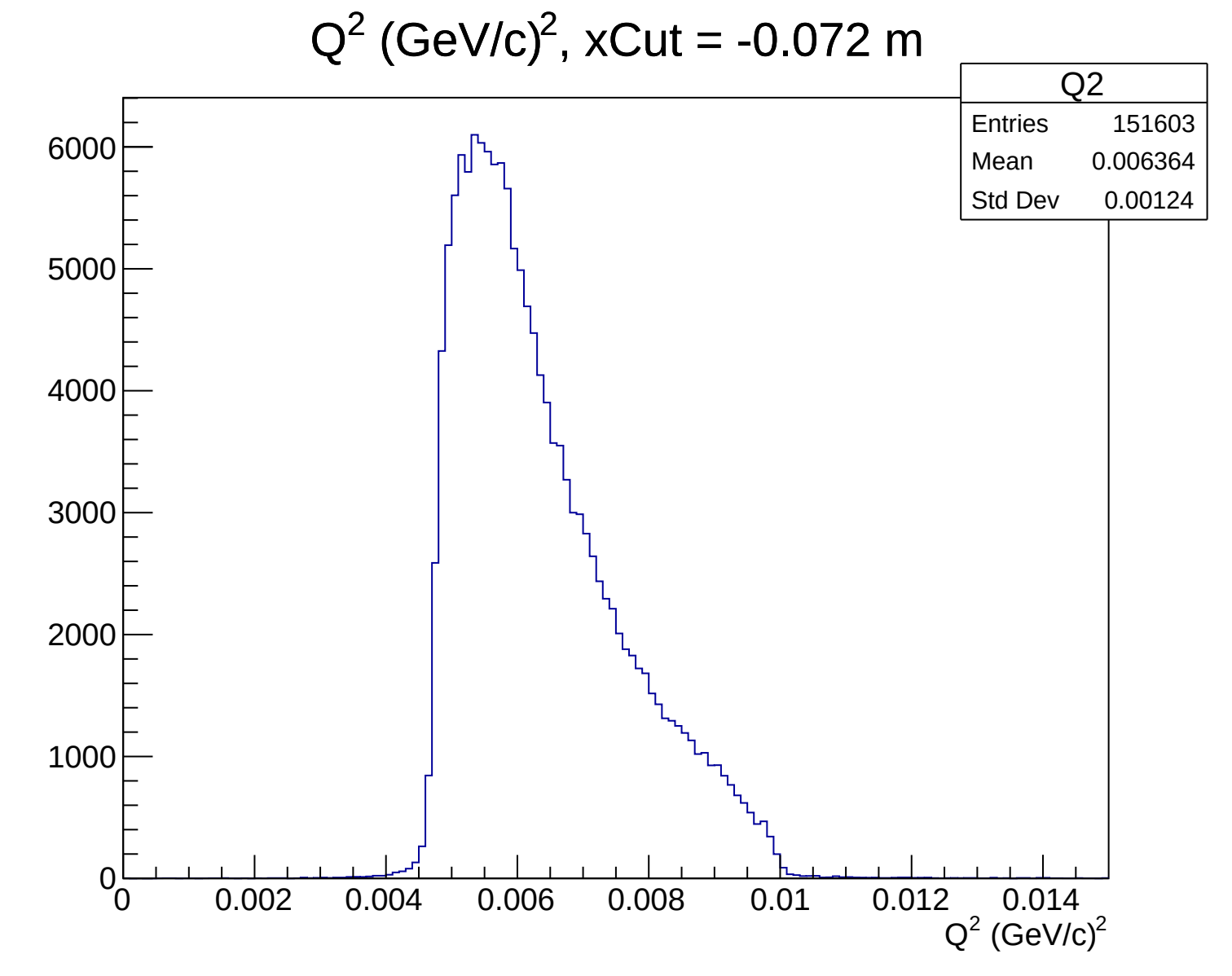

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.072
R.tr.x[0]+1.3*R.tr.th[0] (m)

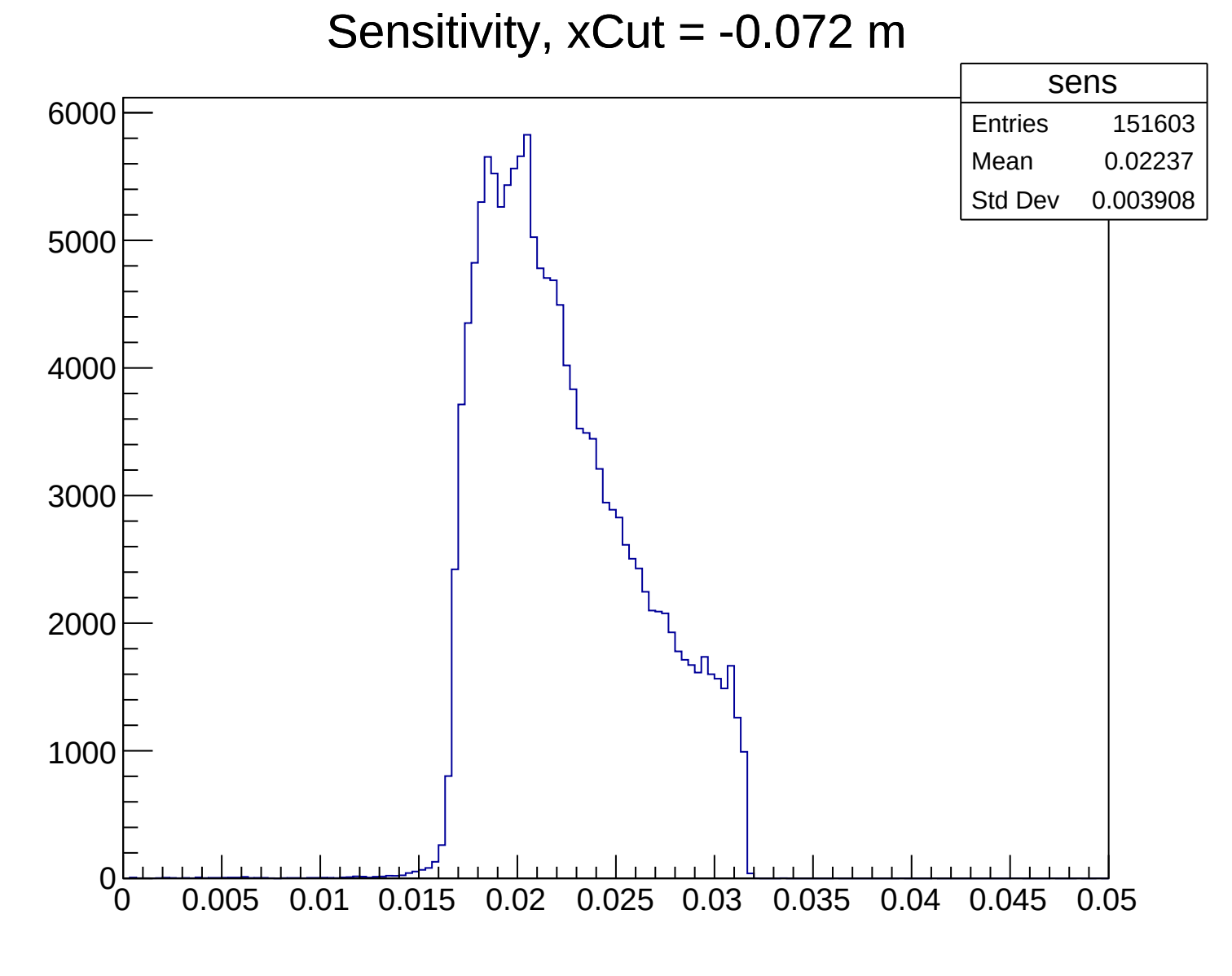

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

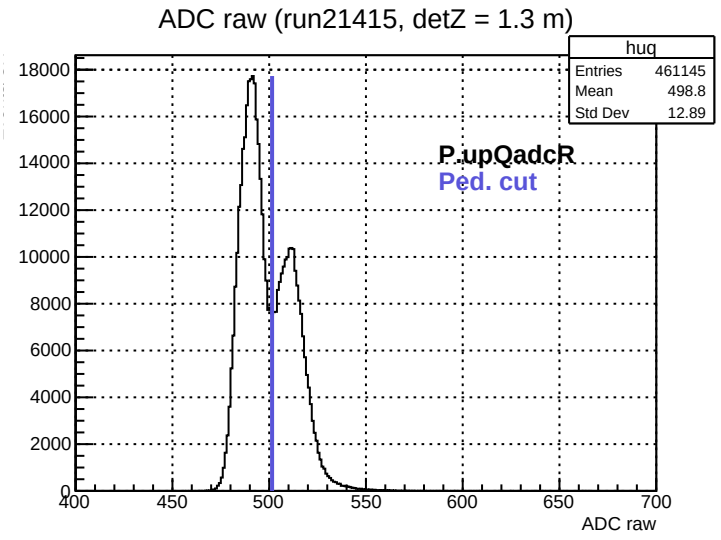

θlab (deg), xCut = -0.072 m
Theta
Entries 151603
Mean 4.799
Std Dev 0.4577
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

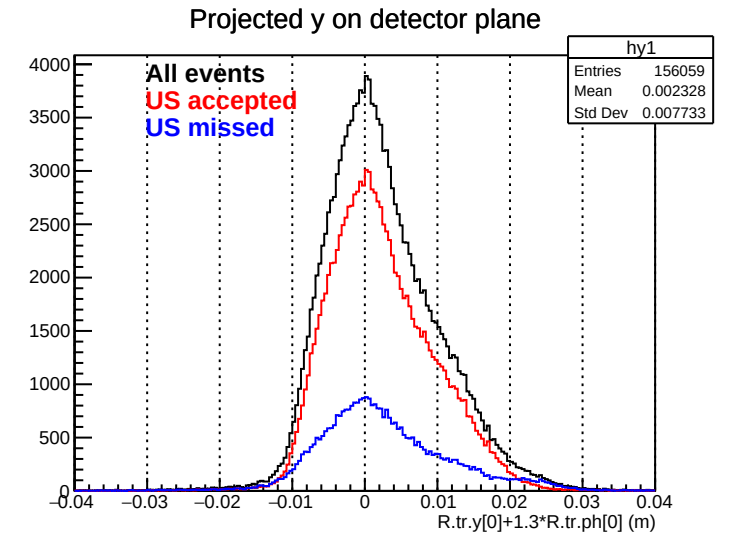

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 151603
Mean 0.5712
Std Dev 0.08659
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

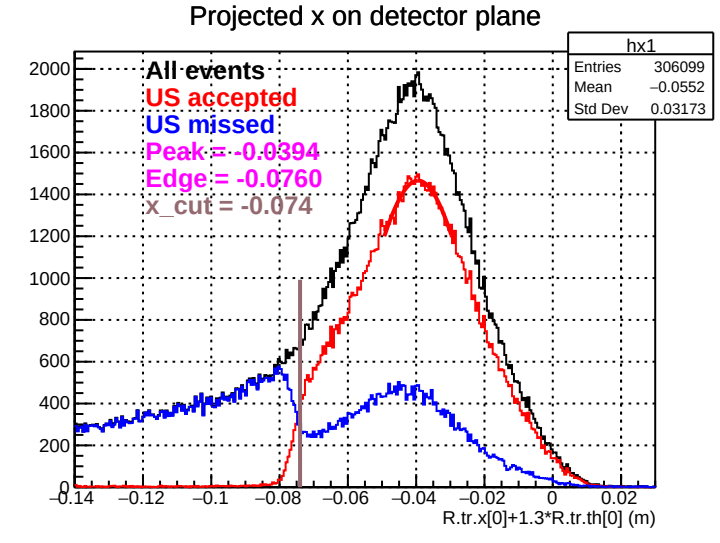

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 151603
Mean 0.5581
Std Dev 0.08285
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

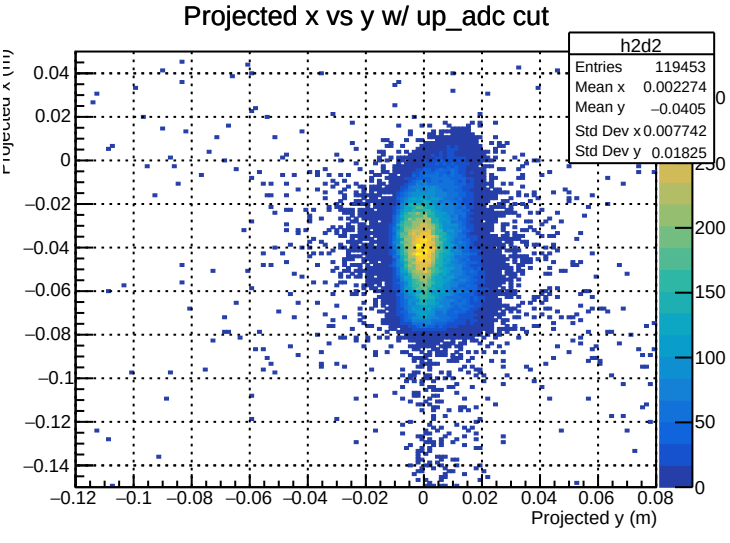

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 151603
Mean 0.006364
Std Dev 0.00124
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

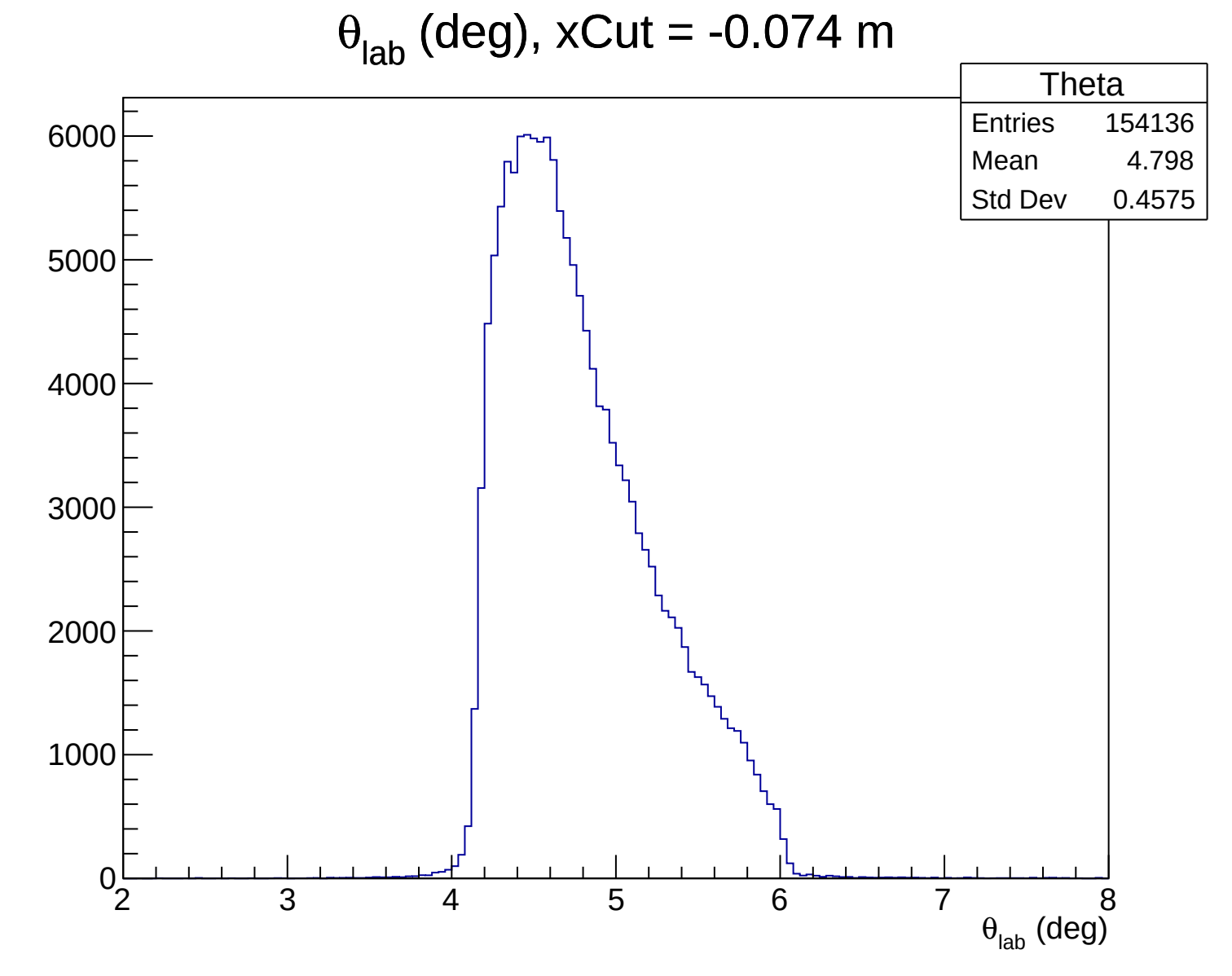

Sensitivity, xCut = -0.072 m
sens
Entries 151603
Mean 0.02237
Std Dev 0.003908
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

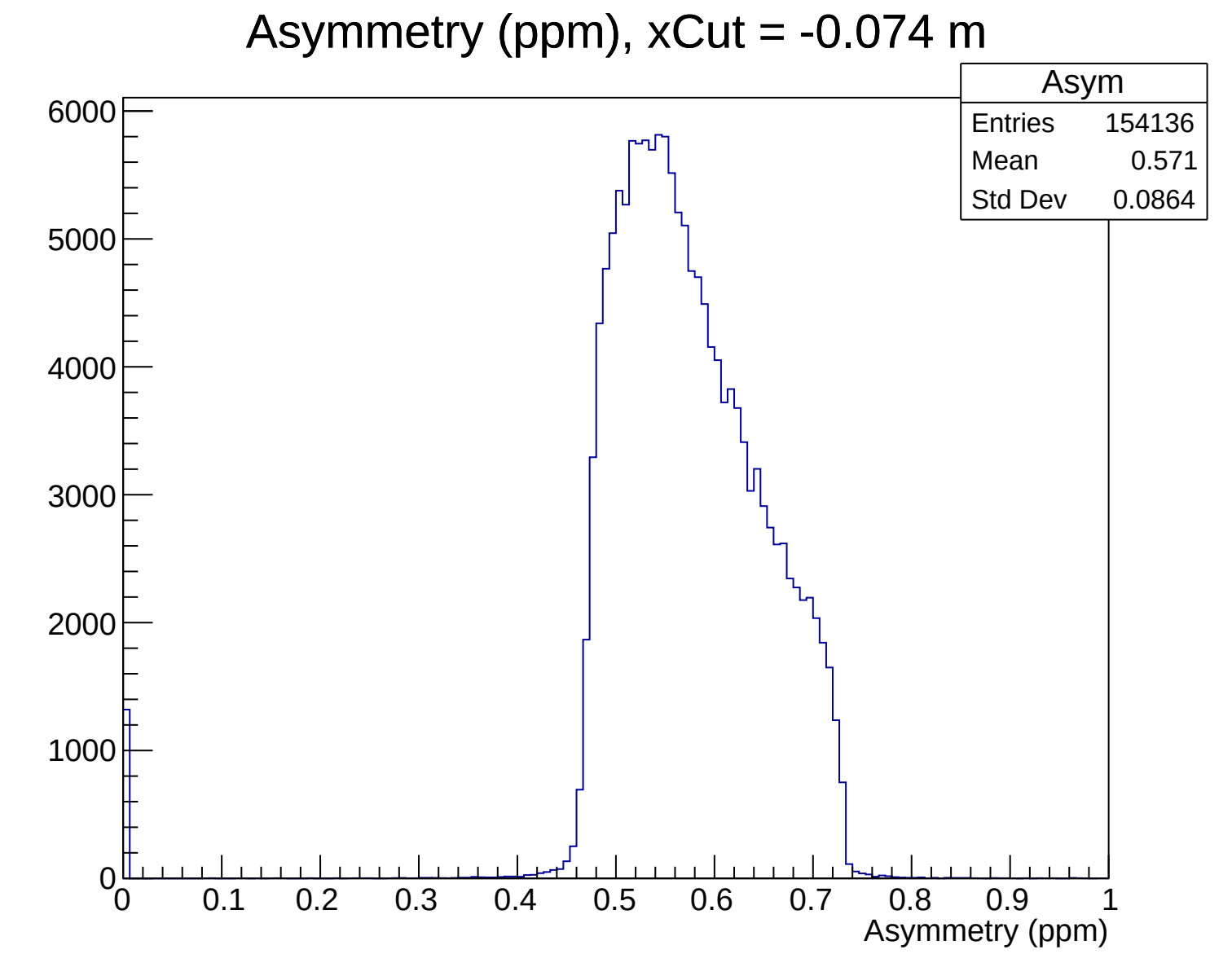

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

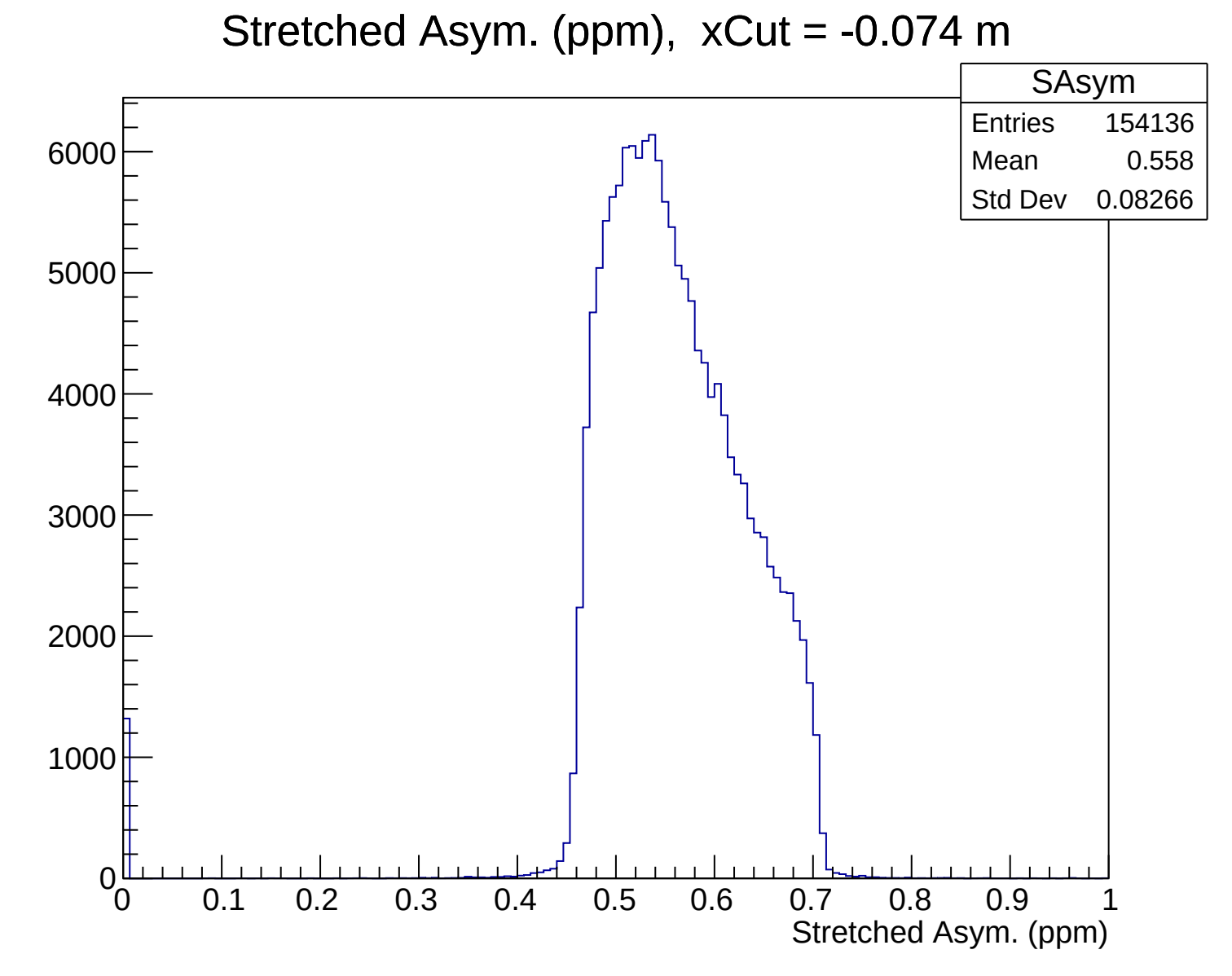

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

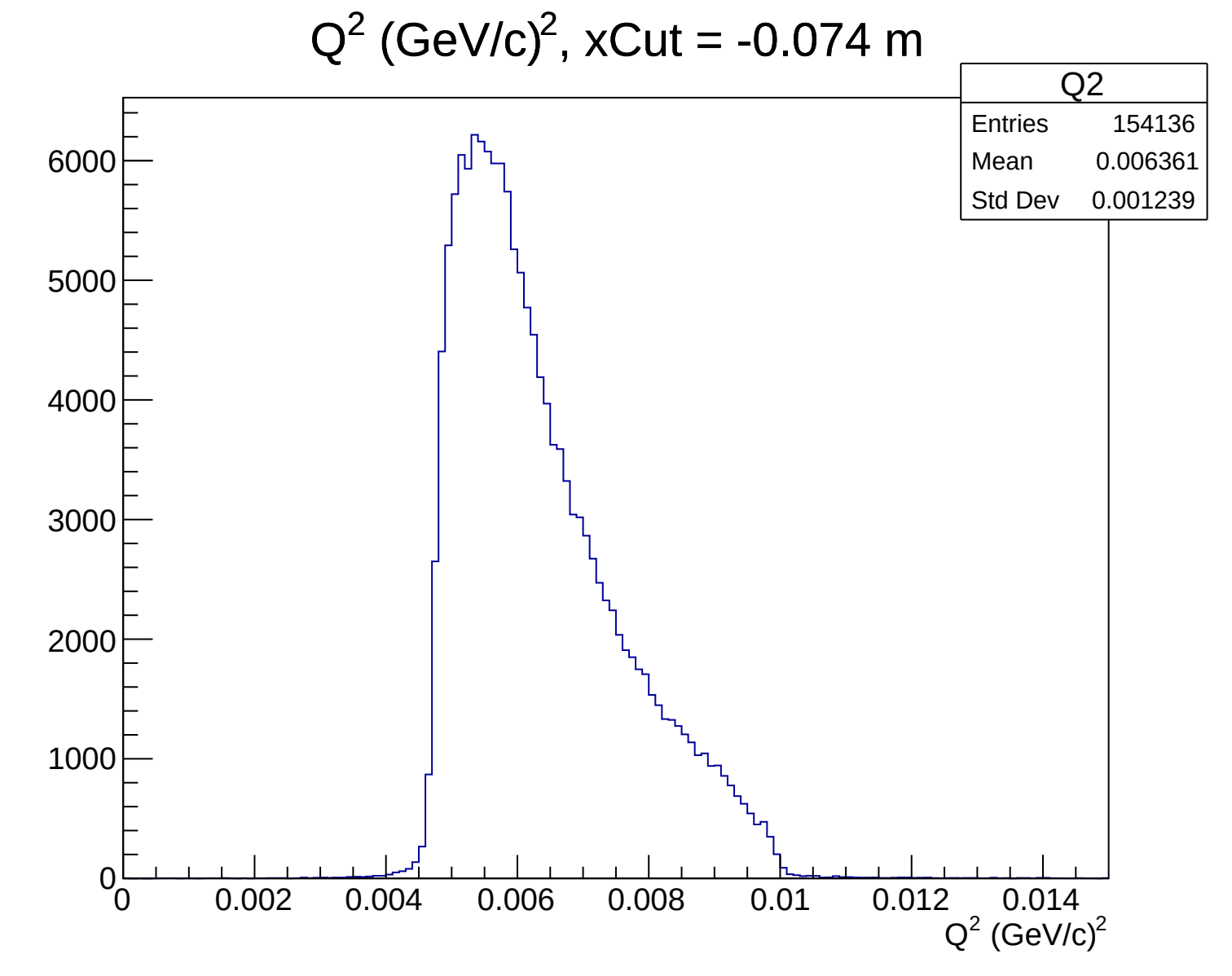

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.074
R.tr.x[0]+1.3*R.tr.th[0] (m)

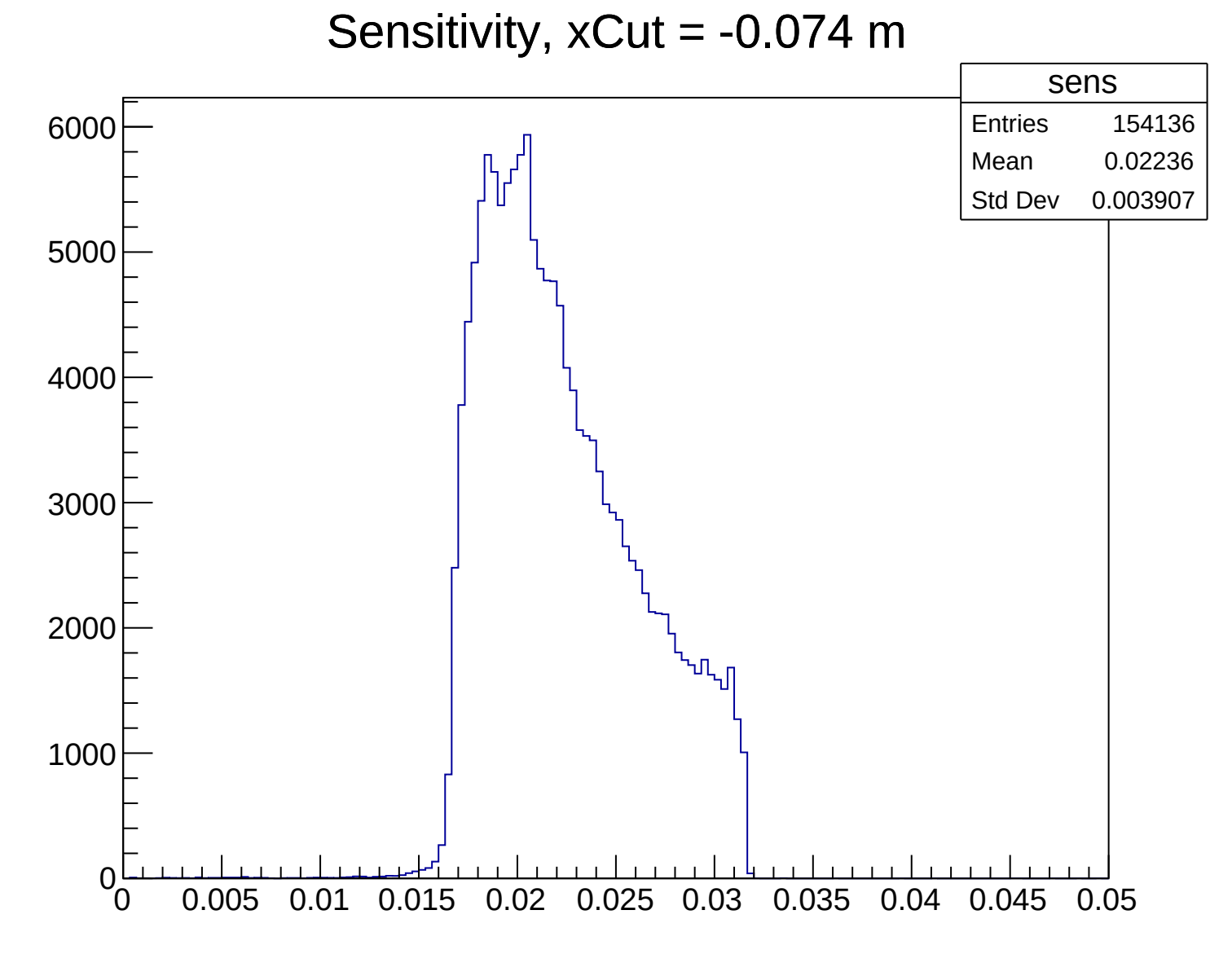

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

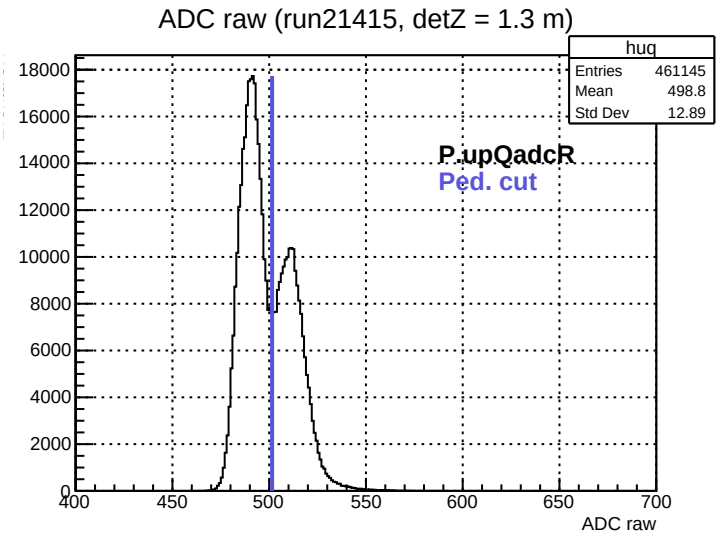

θlab (deg), xCut = -0.074 m
Theta
Entries 154136
Mean 4.798
Std Dev 0.4575
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

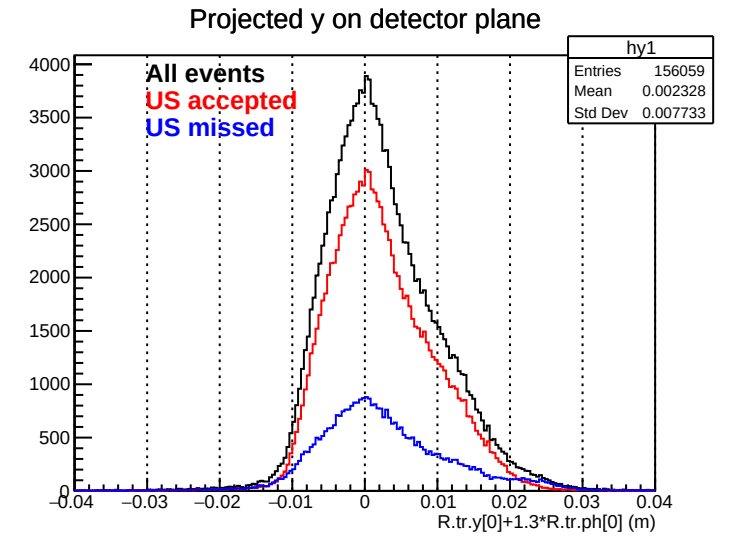

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 154136
Mean 0.571
Std Dev 0.0864
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

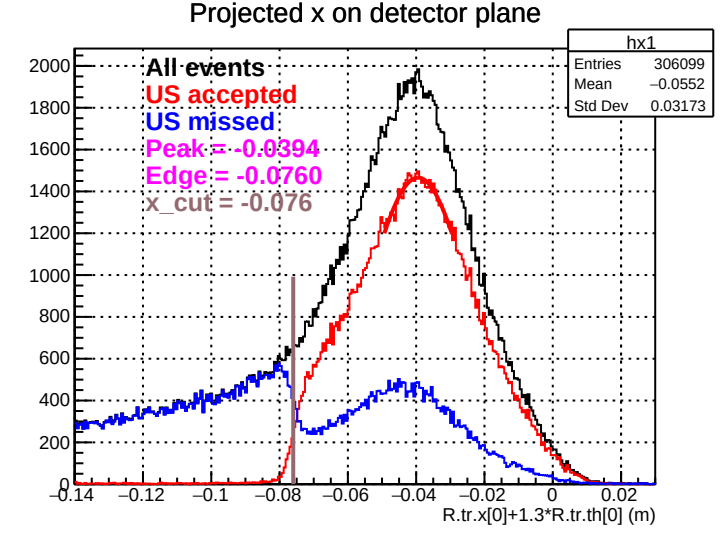

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 154136
Mean 0.558
Std Dev 0.08266
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

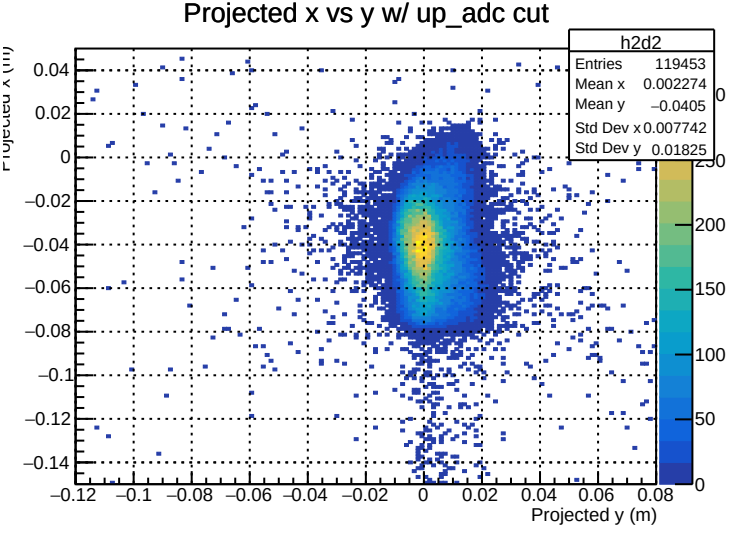

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 154136
Mean 0.006361
Std Dev 0.001239
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

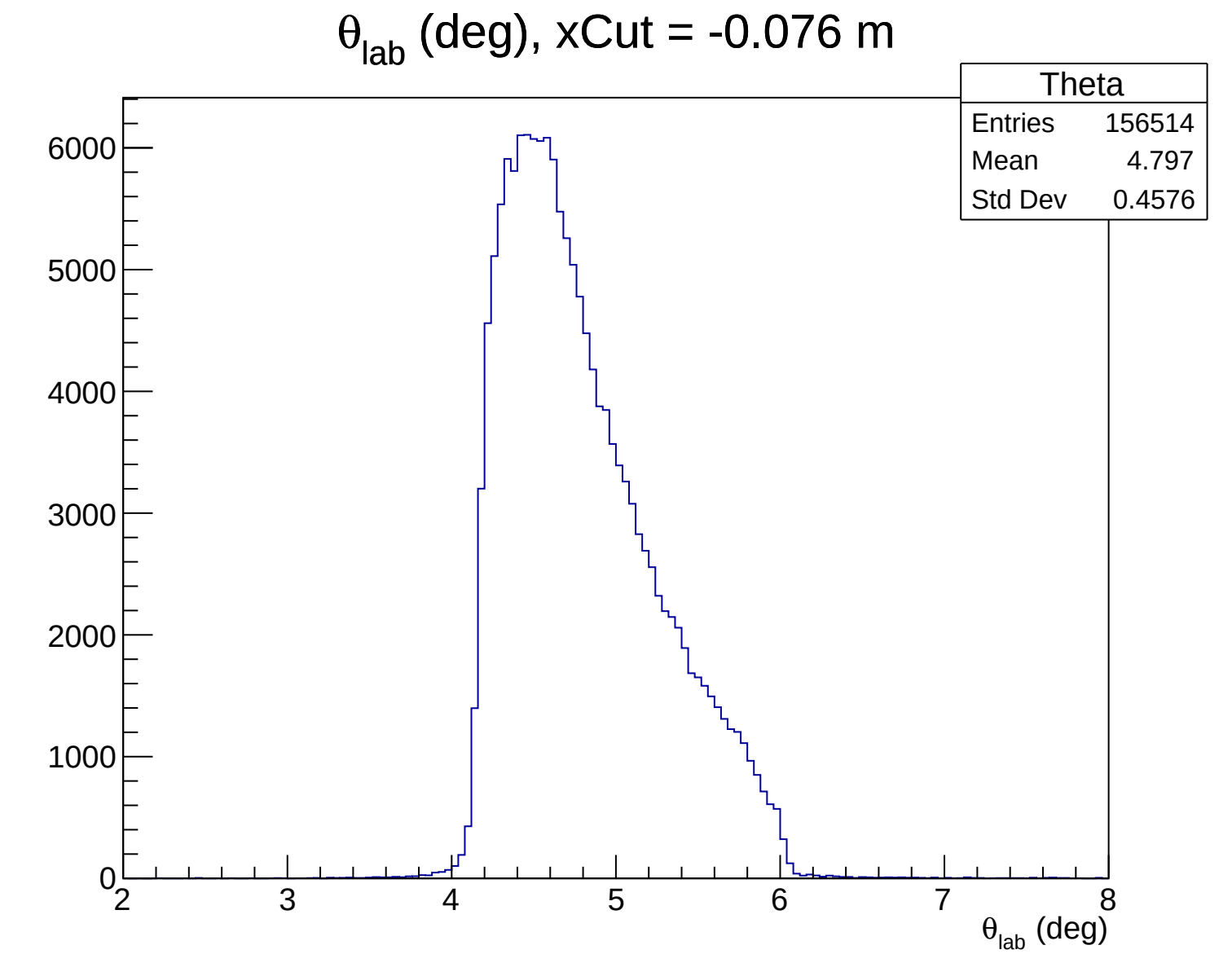

Sensitivity, xCut = -0.074 m
sens
Entries 154136
Mean 0.02236
Std Dev 0.003907
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

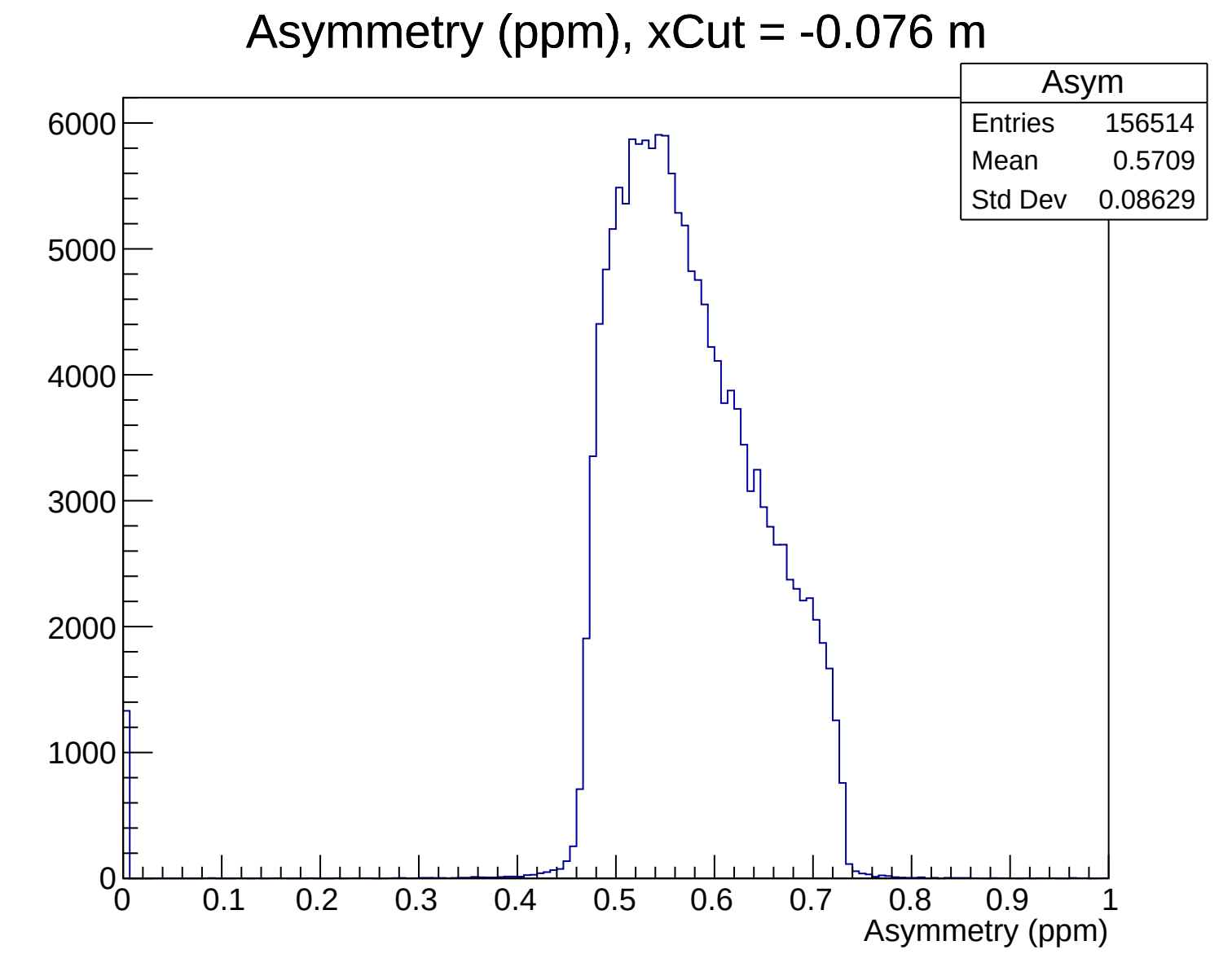

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

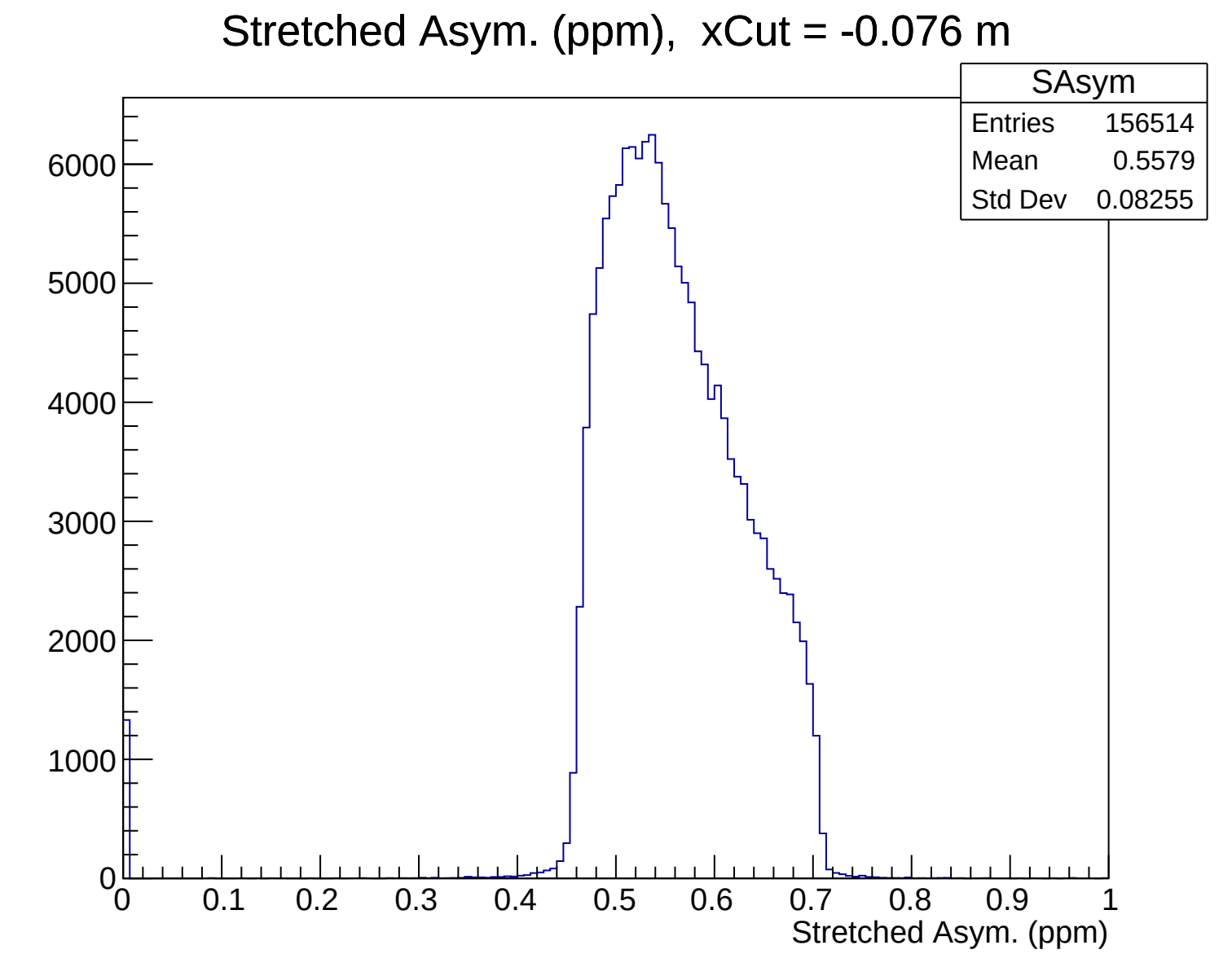

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

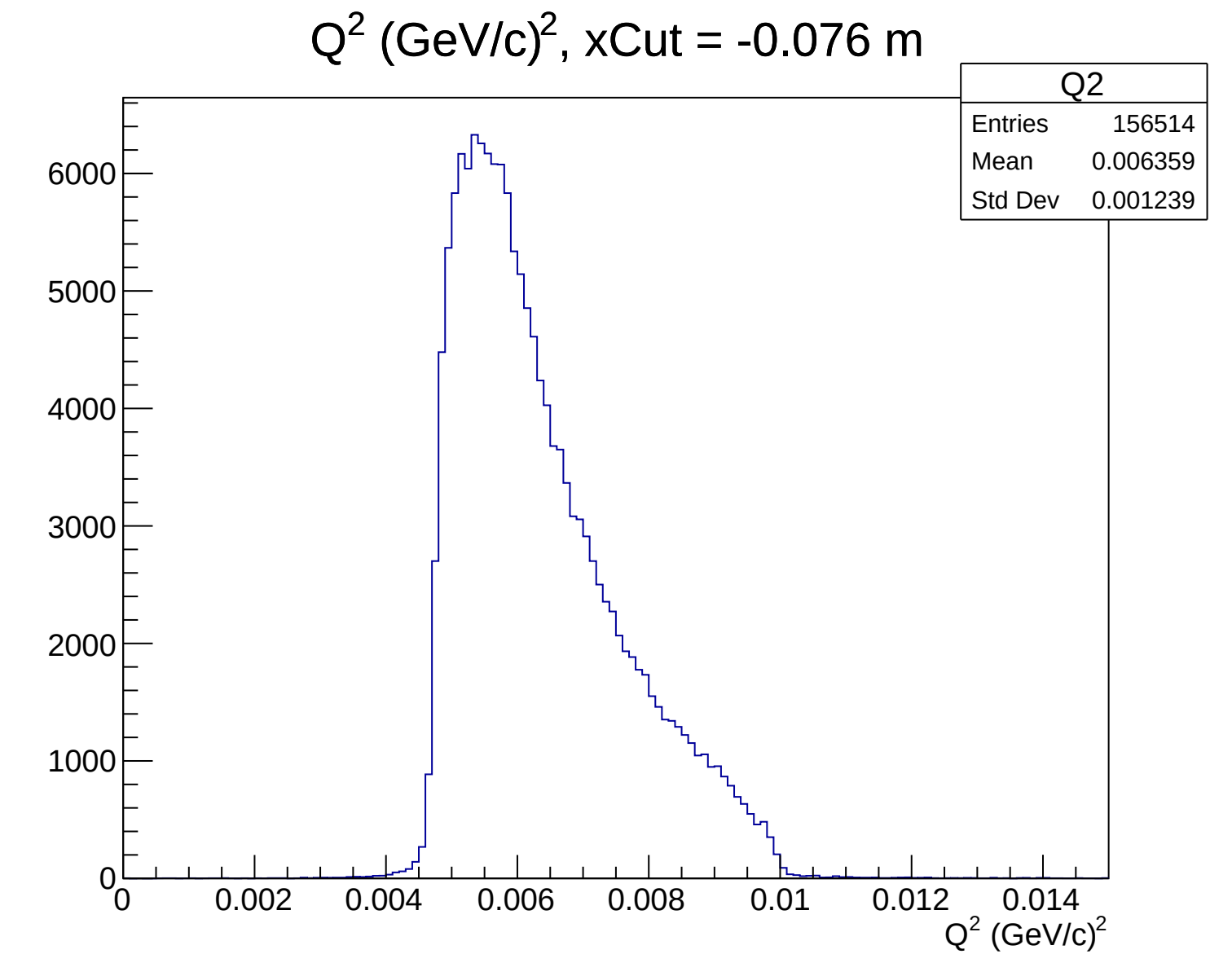

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.076
R.tr.x[0]+1.3*R.tr.th[0] (m)

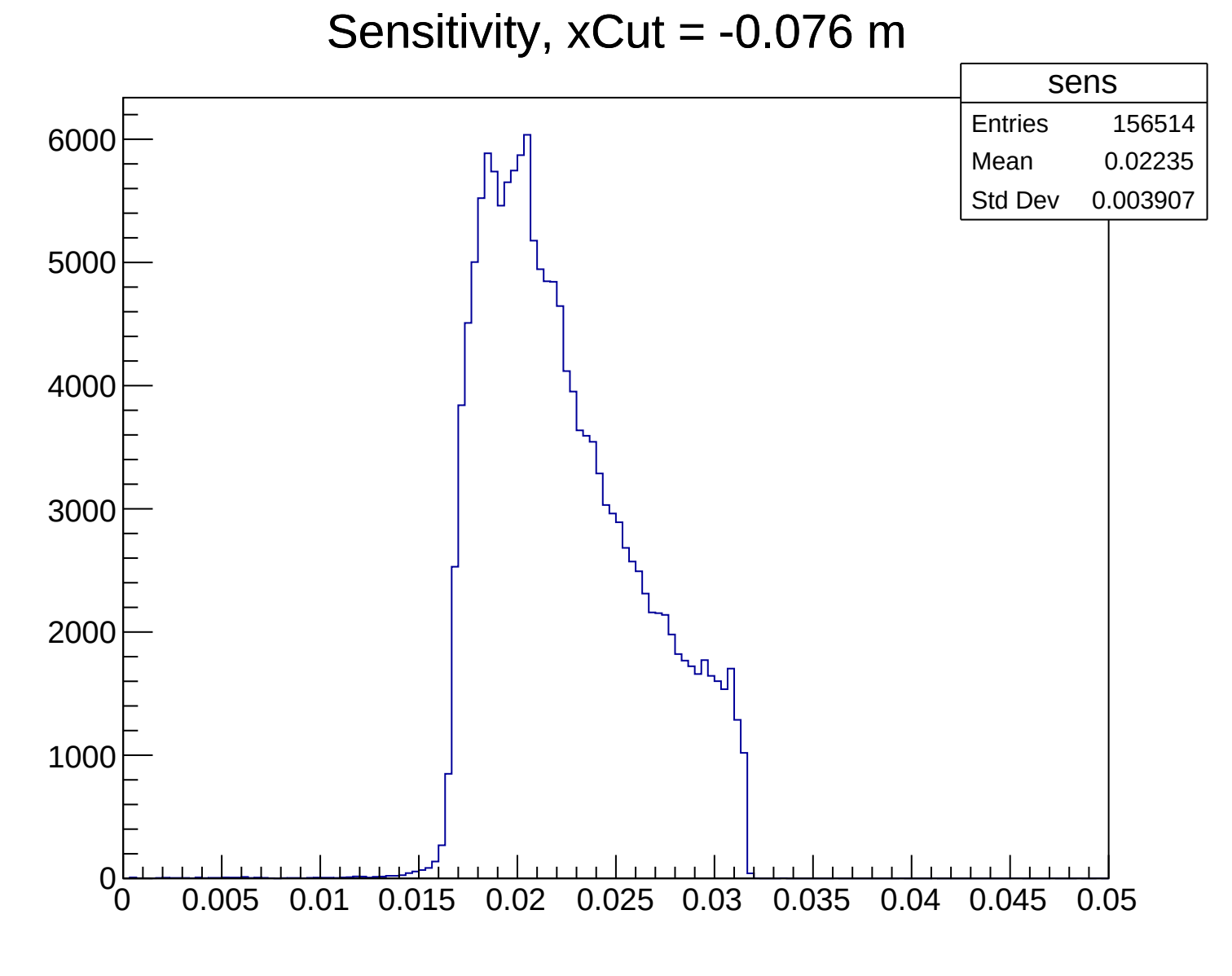

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

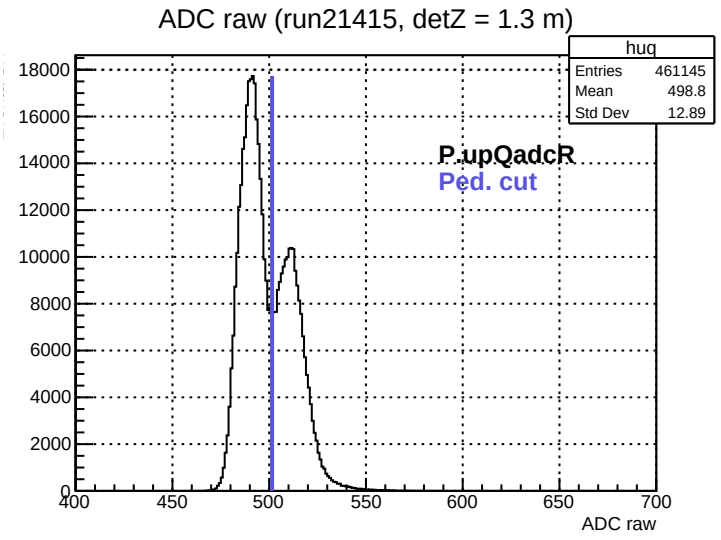

θlab (deg), xCut = -0.076 m
Theta
Entries 156514
Mean 4.797
Std Dev 0.4576
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

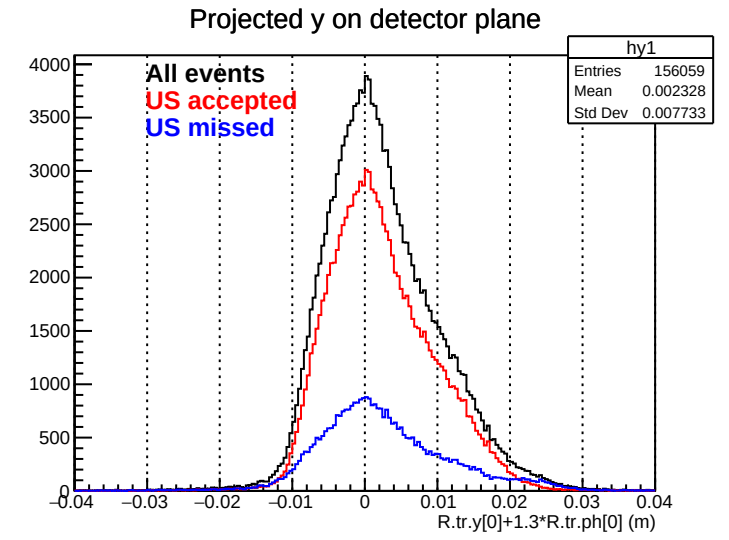

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 156514
Mean 0.5709
Std Dev 0.08629
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

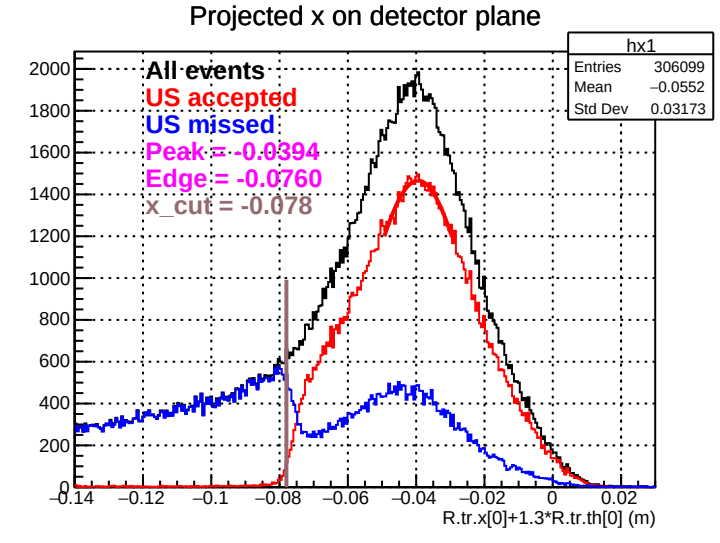

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 156514
Mean 0.5579
Std Dev 0.08255
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

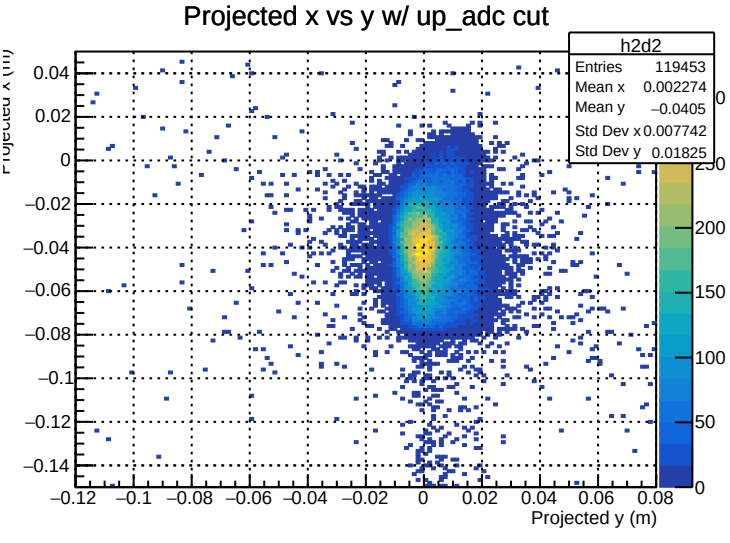

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 156514
Mean 0.006359
Std Dev 0.001239
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

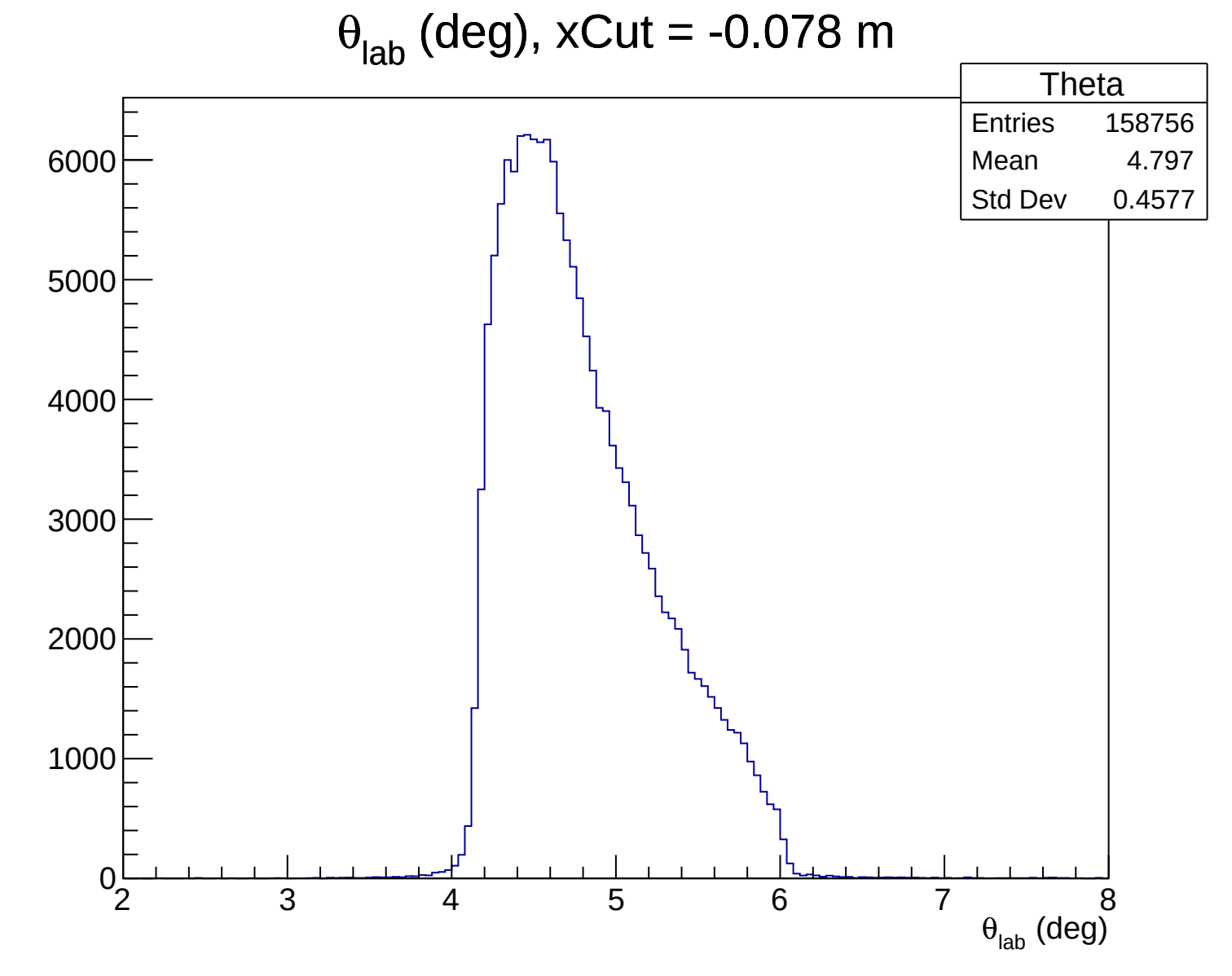

Sensitivity, xCut = -0.076 m
sens
Entries 156514
Mean 0.02235
Std Dev 0.003907
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

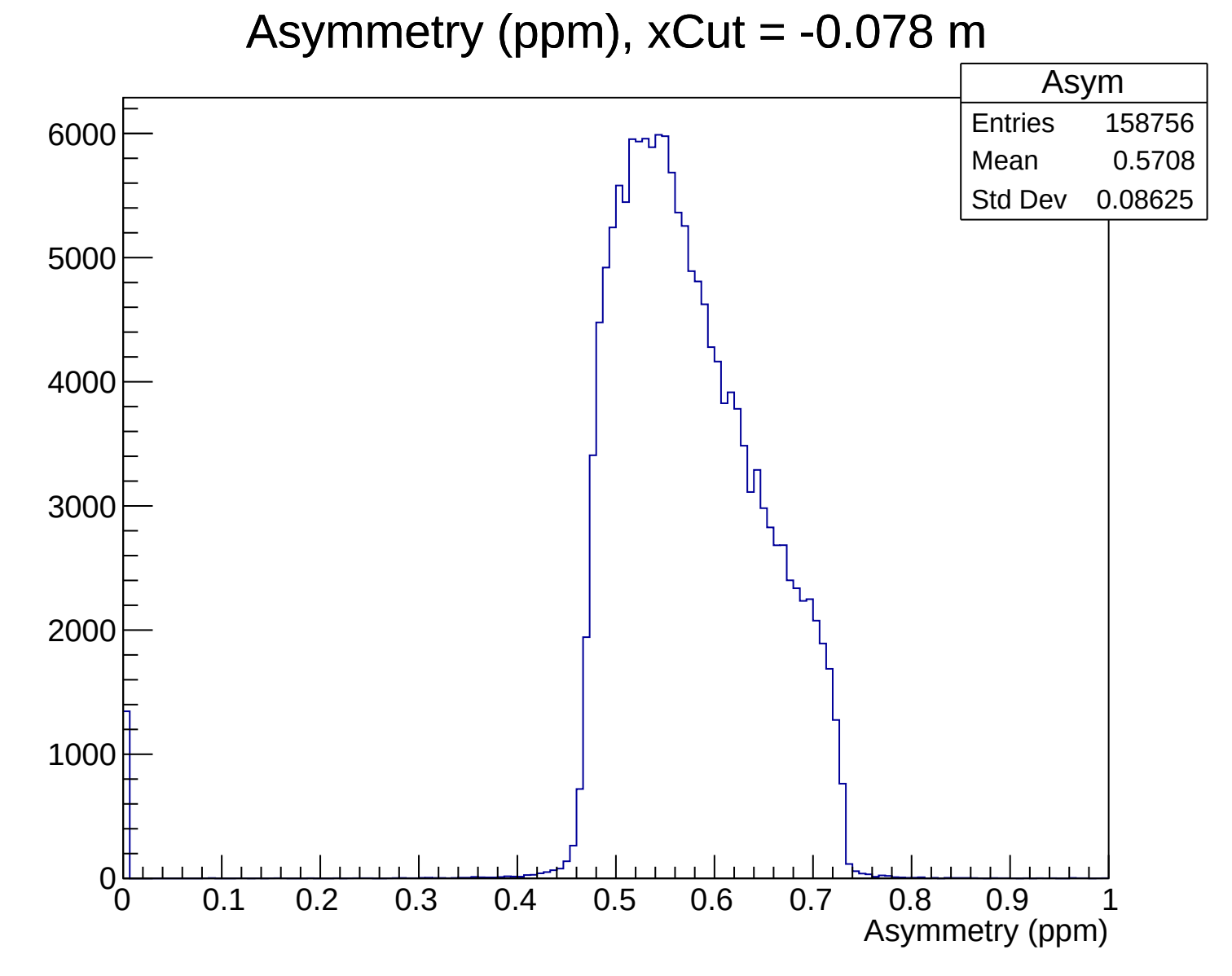

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

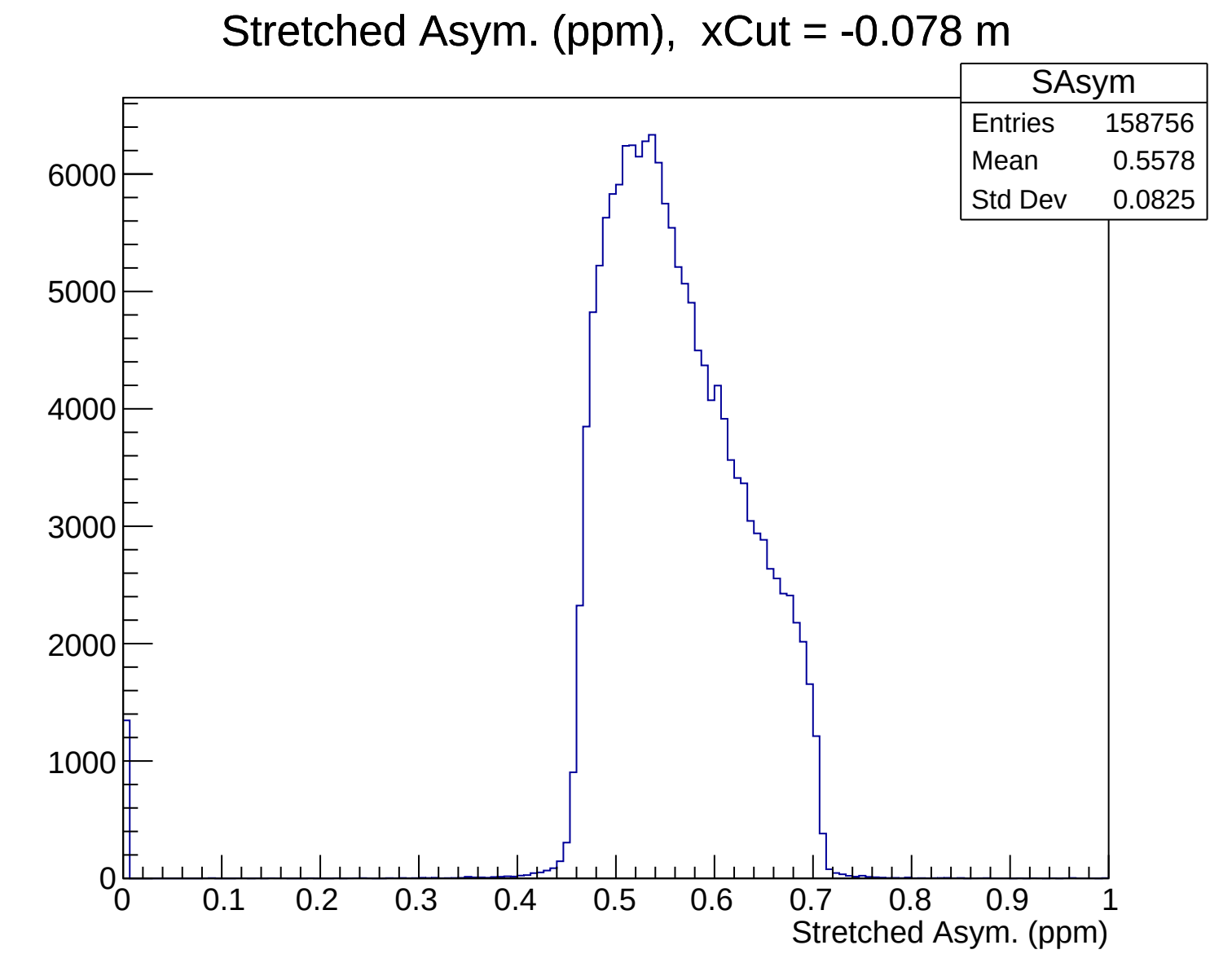

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

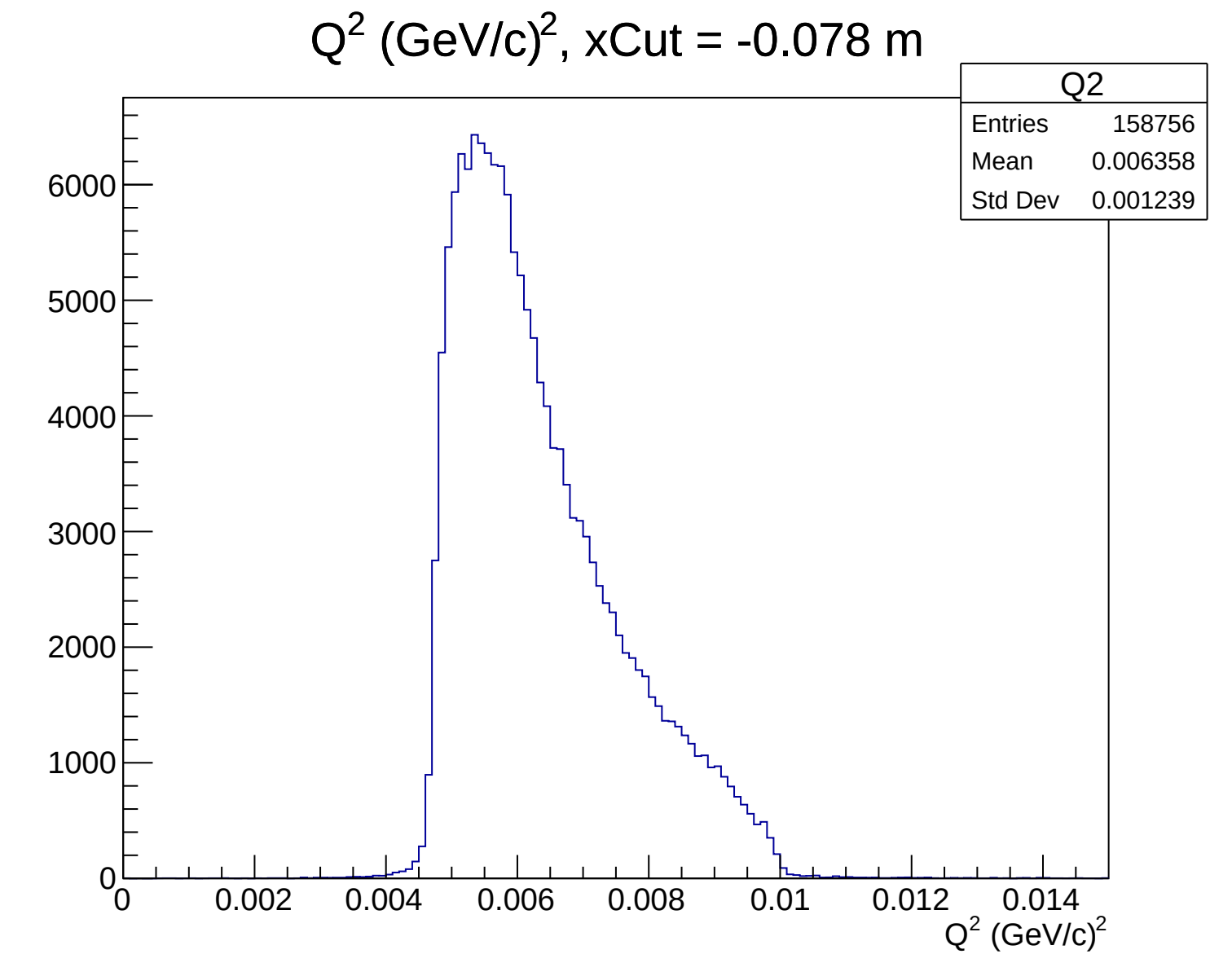

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.078
R.tr.x[0]+1.3*R.tr.th[0] (m)

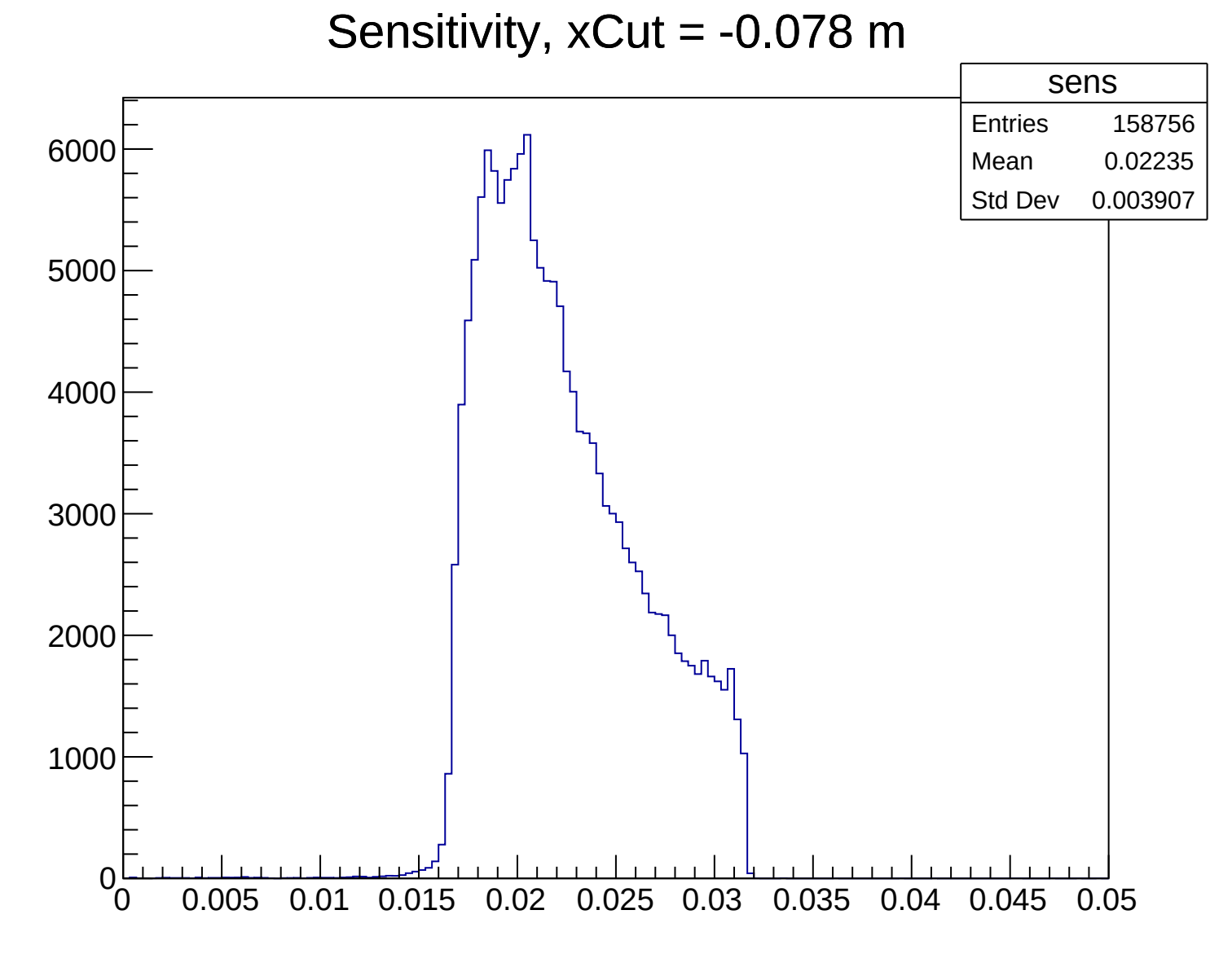

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

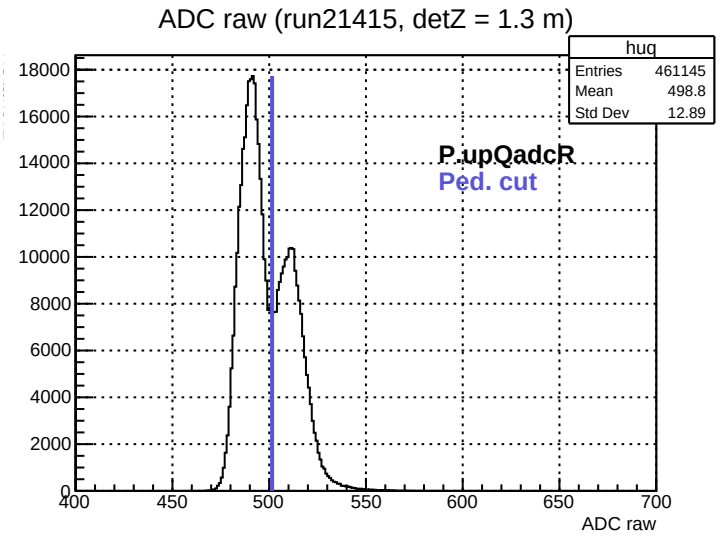

θlab (deg), xCut = -0.078 m
Theta
Entries 158756
Mean 4.797
Std Dev 0.4577
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

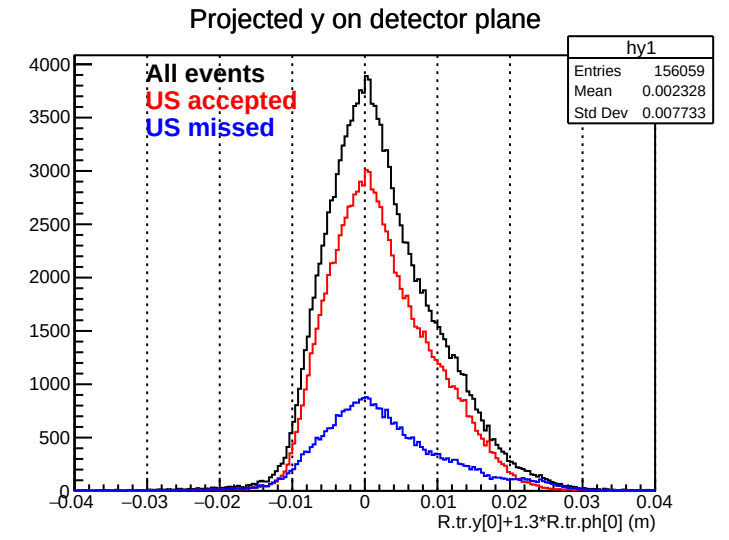

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 158756
Mean 0.5708
Std Dev 0.08625
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

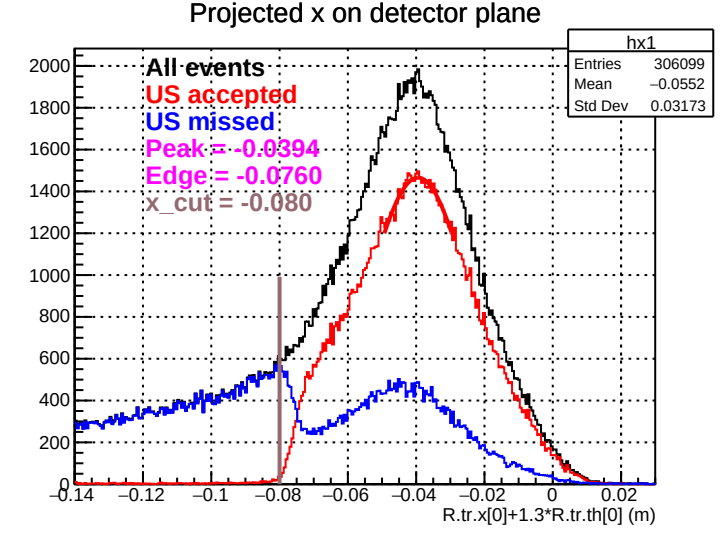

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 158756
Mean 0.5578
Std Dev 0.0825
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

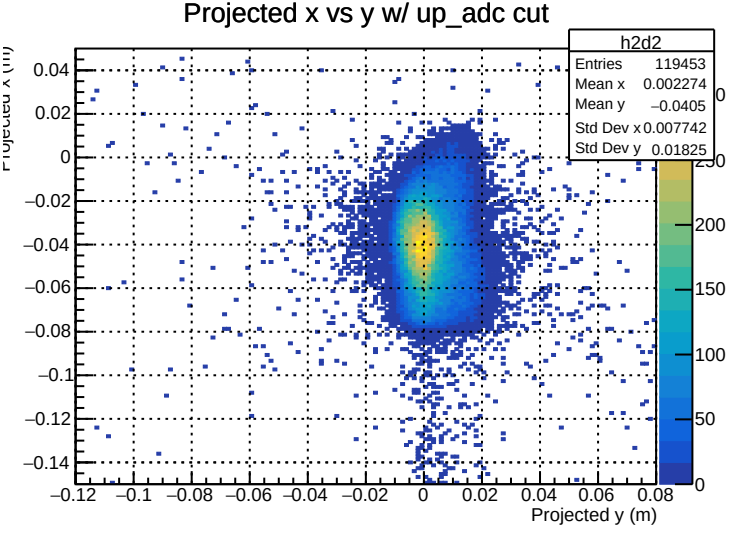

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 158756
Mean 0.006358
Std Dev 0.001239
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

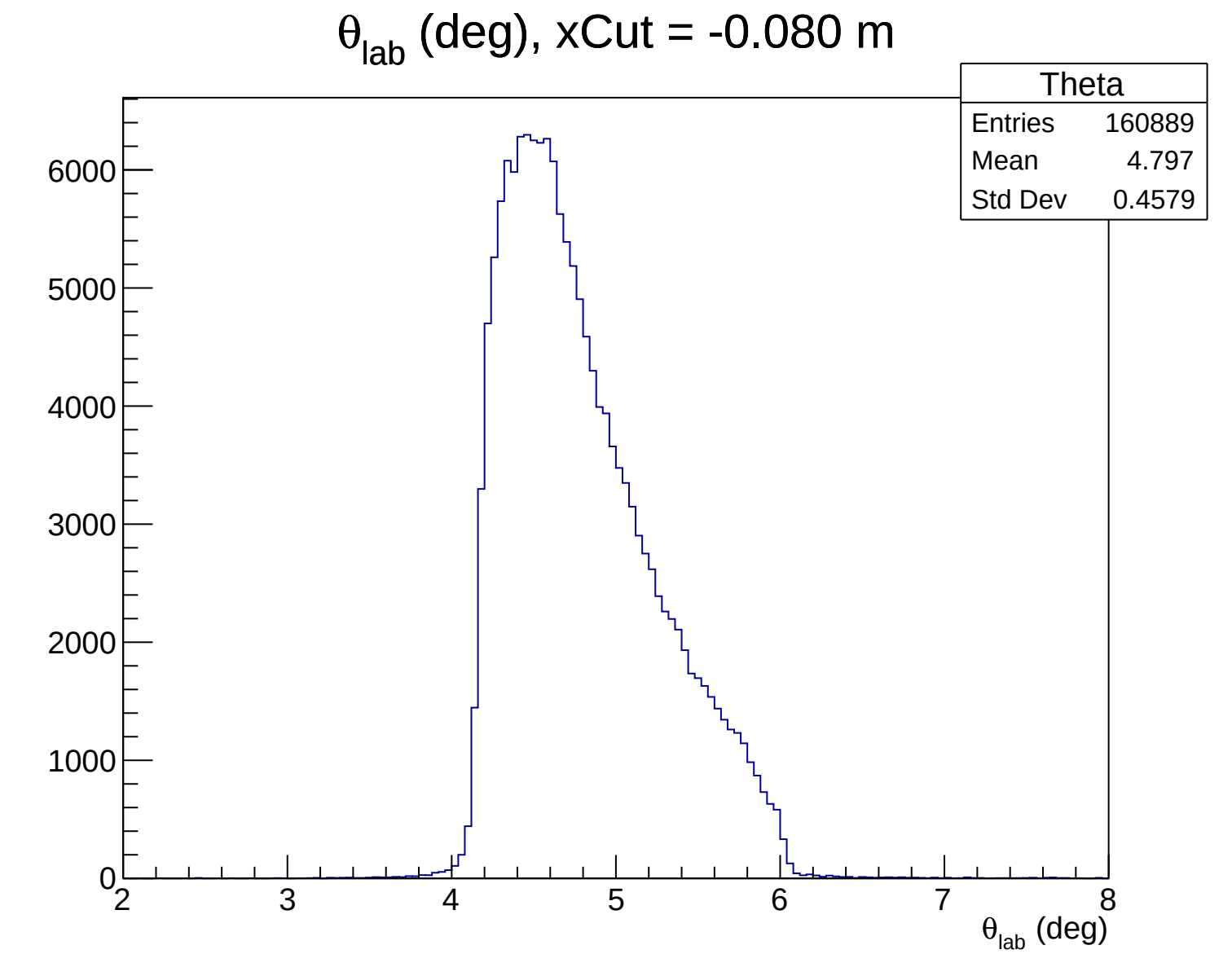

Sensitivity, xCut = -0.078 m
sens
Entries 158756
Mean 0.02235
Std Dev 0.003907
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

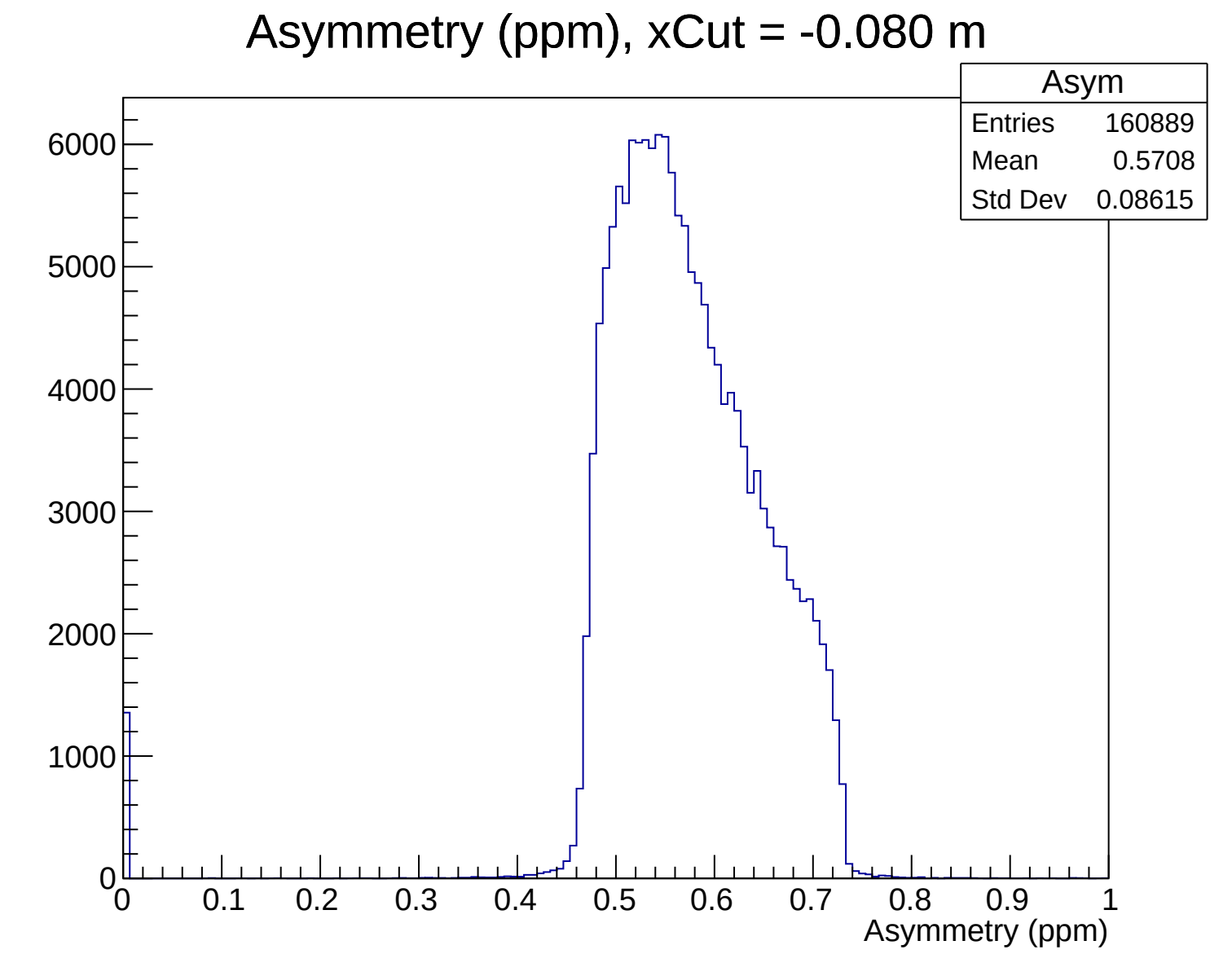

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

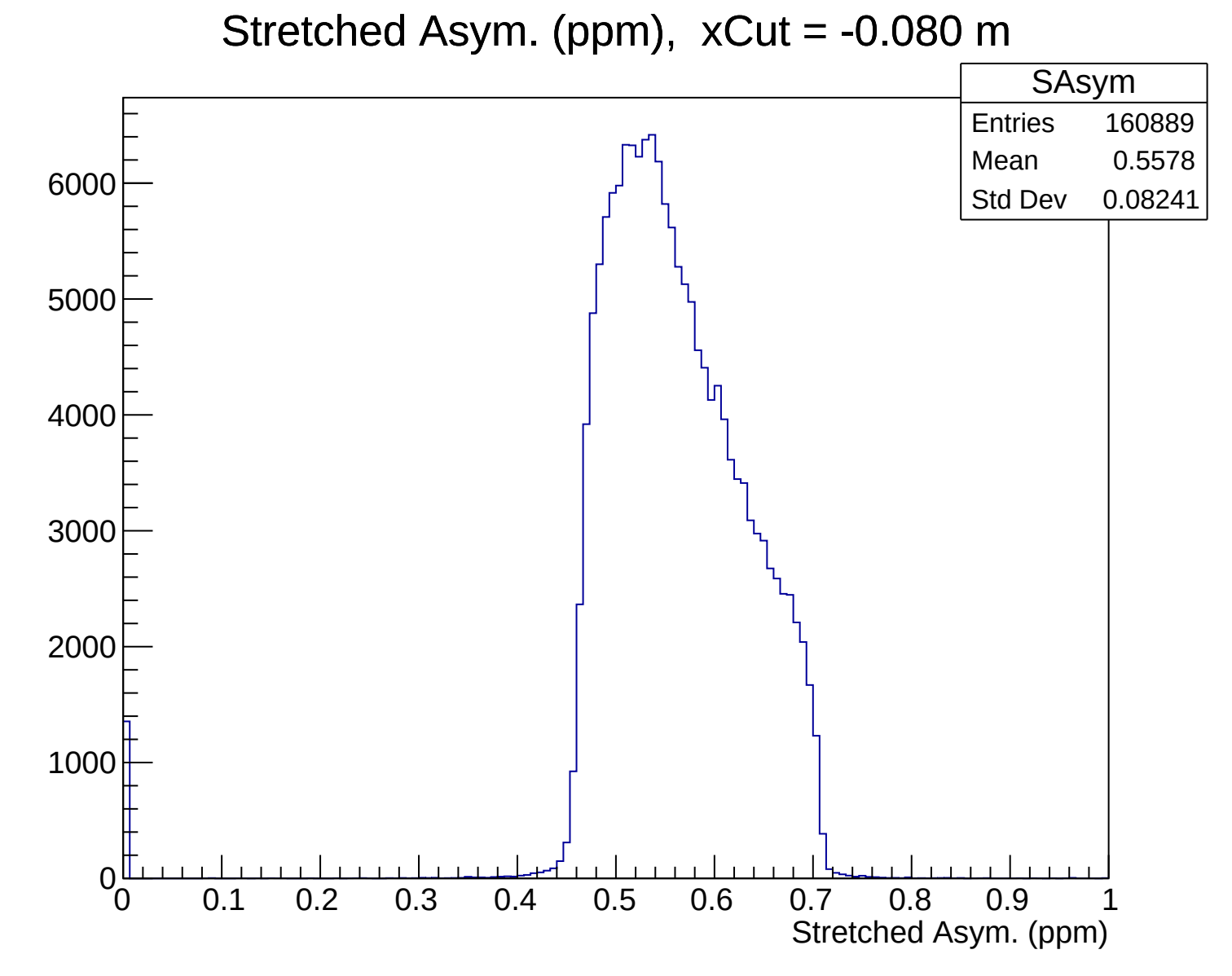

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

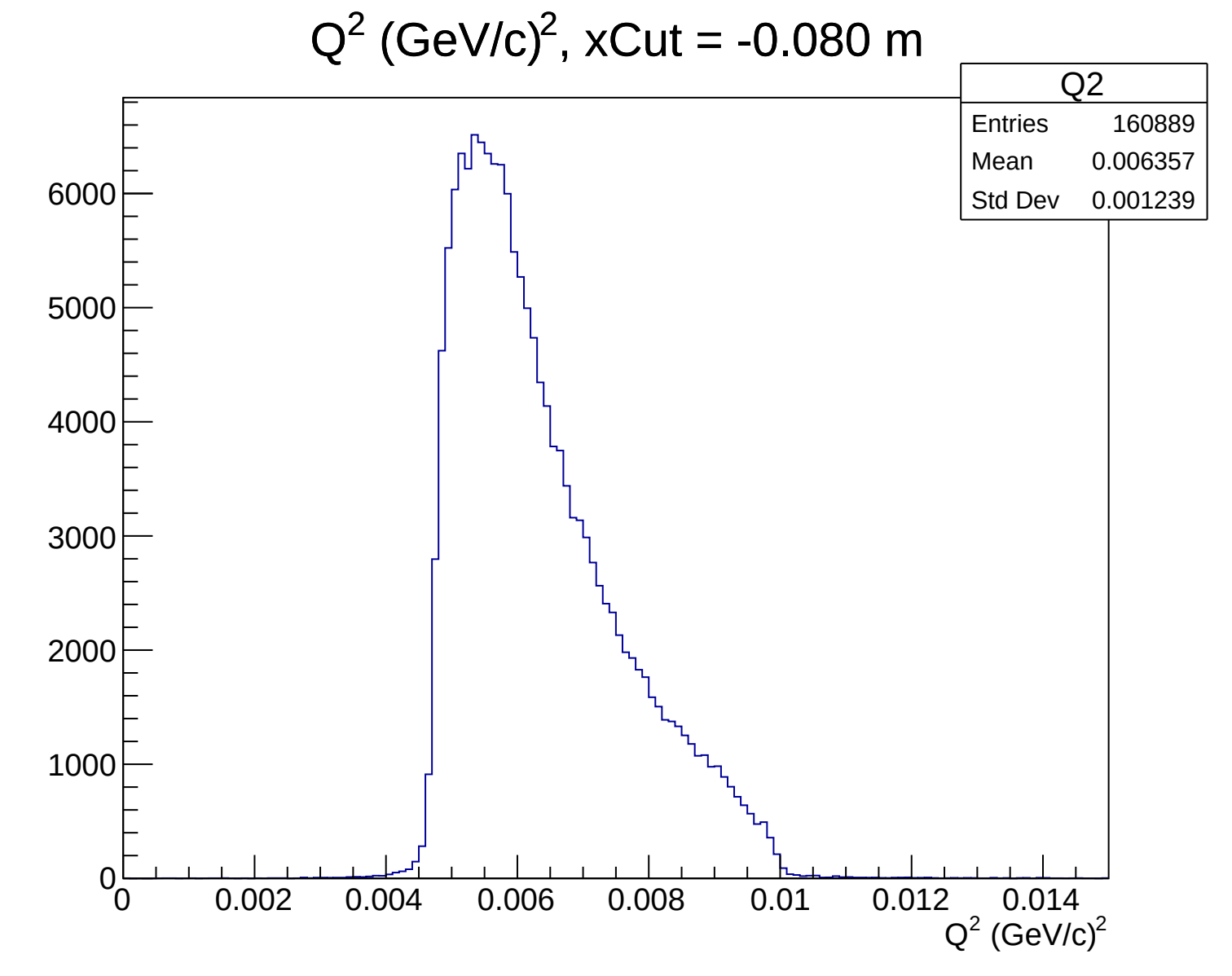

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.080
R.tr.x[0]+1.3*R.tr.th[0] (m)

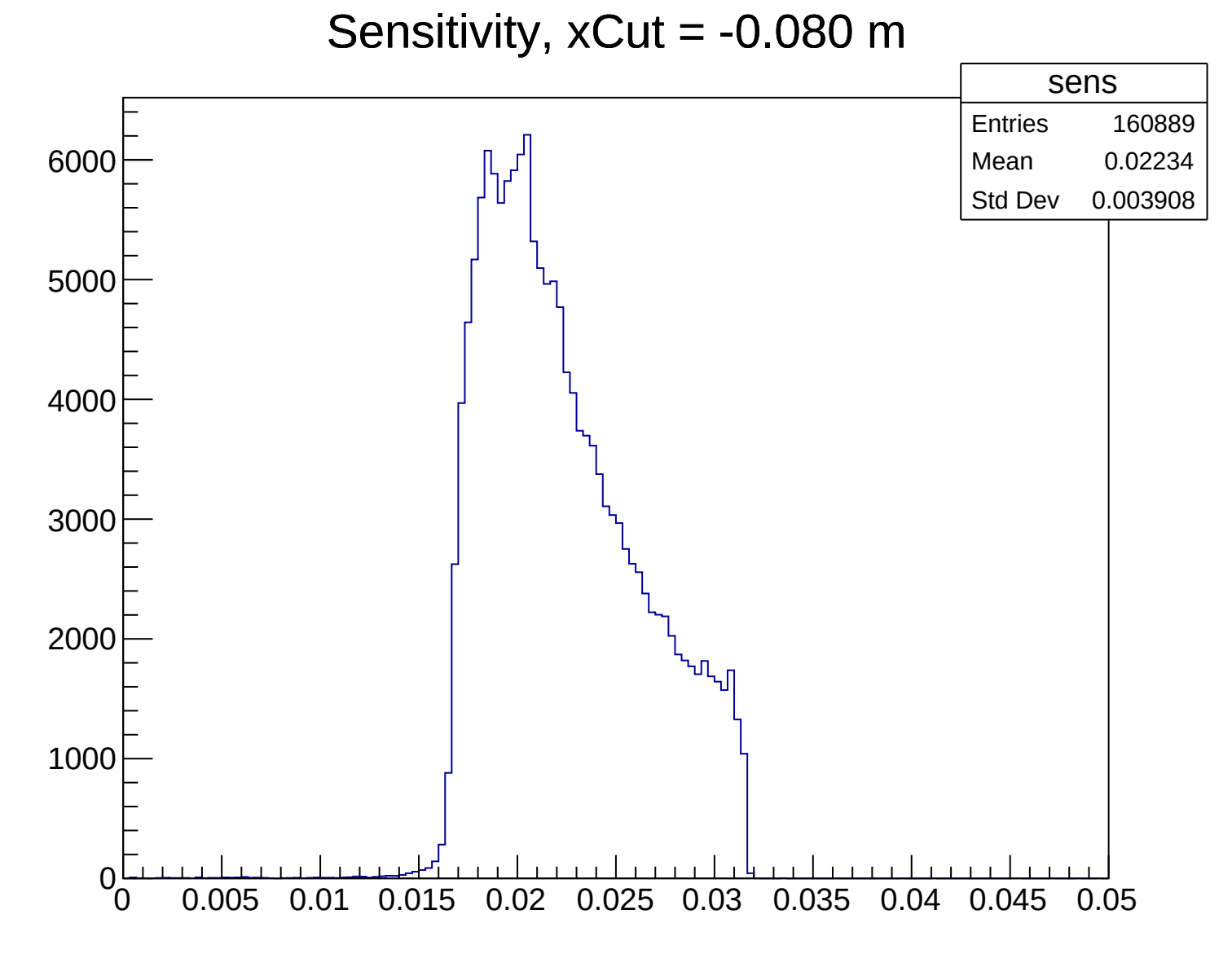

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

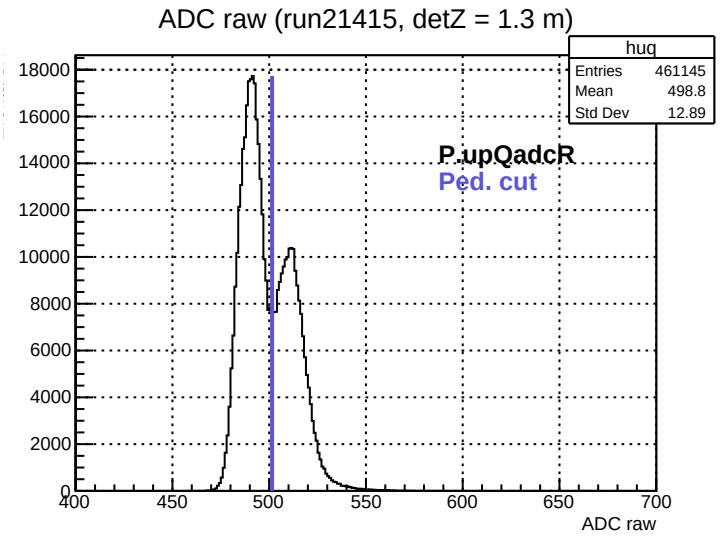

θlab (deg), xCut = -0.080 m
Theta
Entries 160889
Mean 4.797
Std Dev 0.4579
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

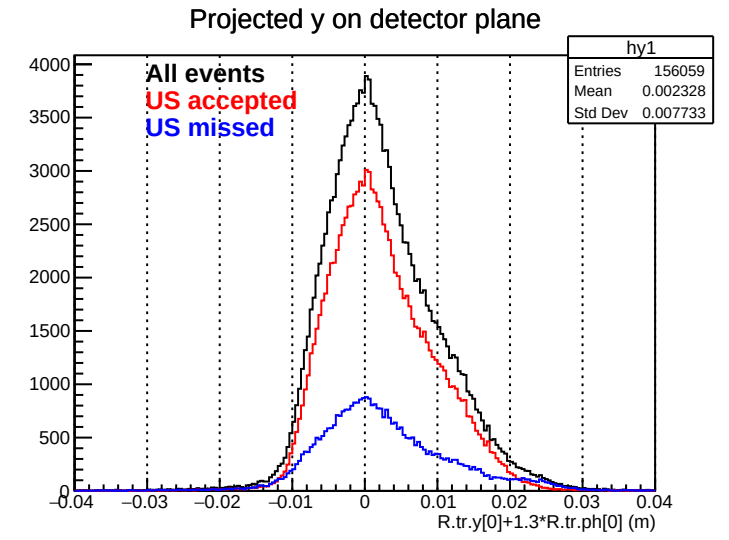

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 160889
Mean 0.5708
Std Dev 0.08615
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

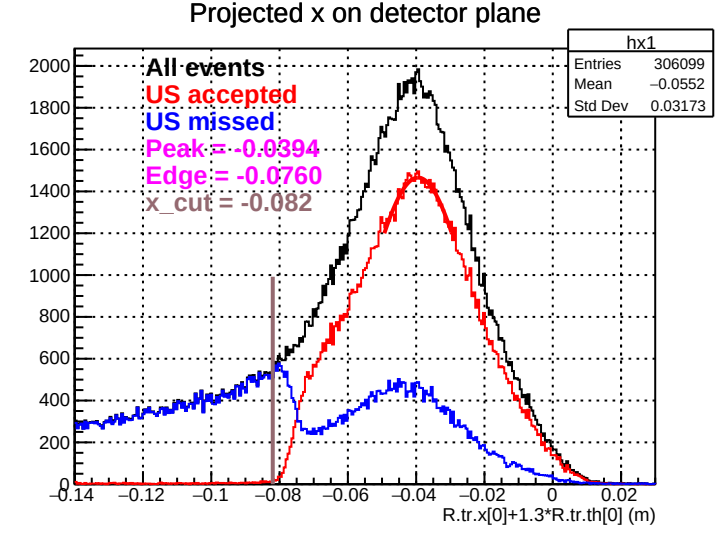

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 160889
Mean 0.5578
Std Dev 0.08241
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

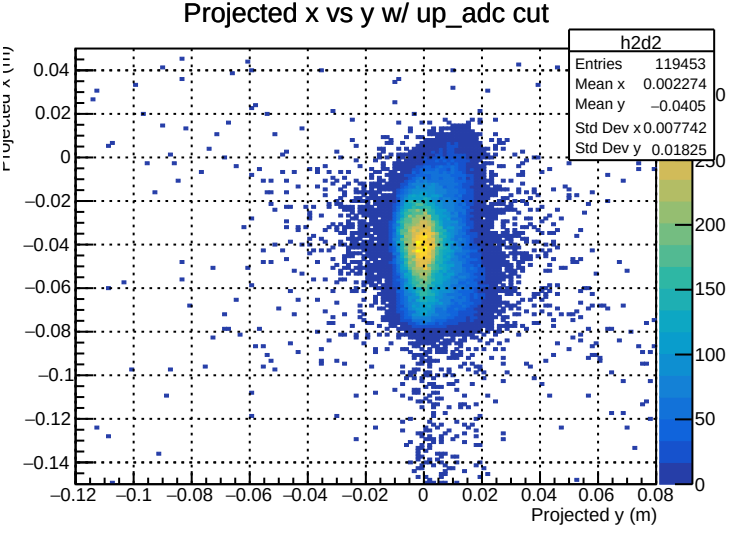

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 160889
Mean 0.006357
Std Dev 0.001239
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

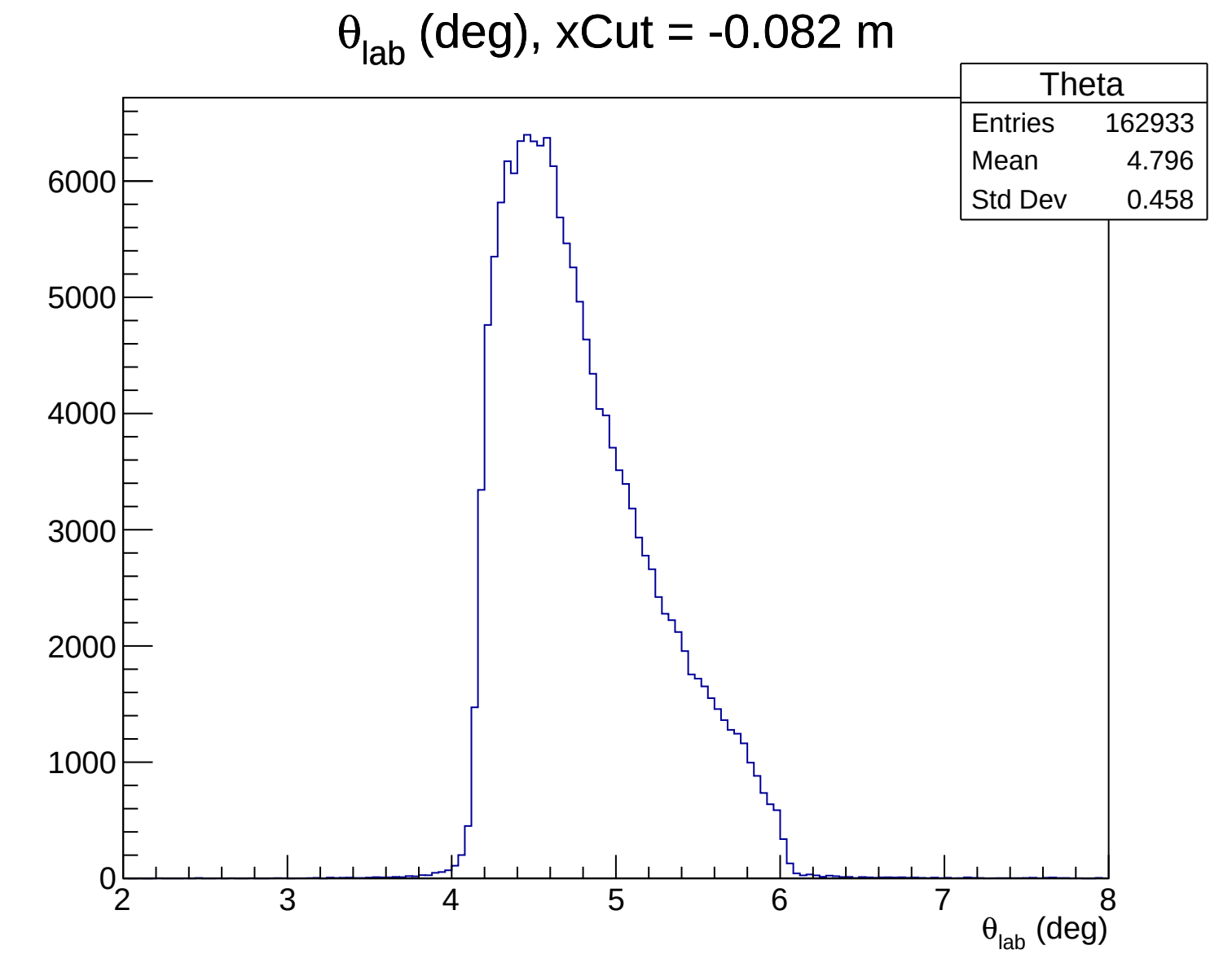

Sensitivity, xCut = -0.080 m
sens
Entries 160889
Mean 0.02234
Std Dev 0.003908
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

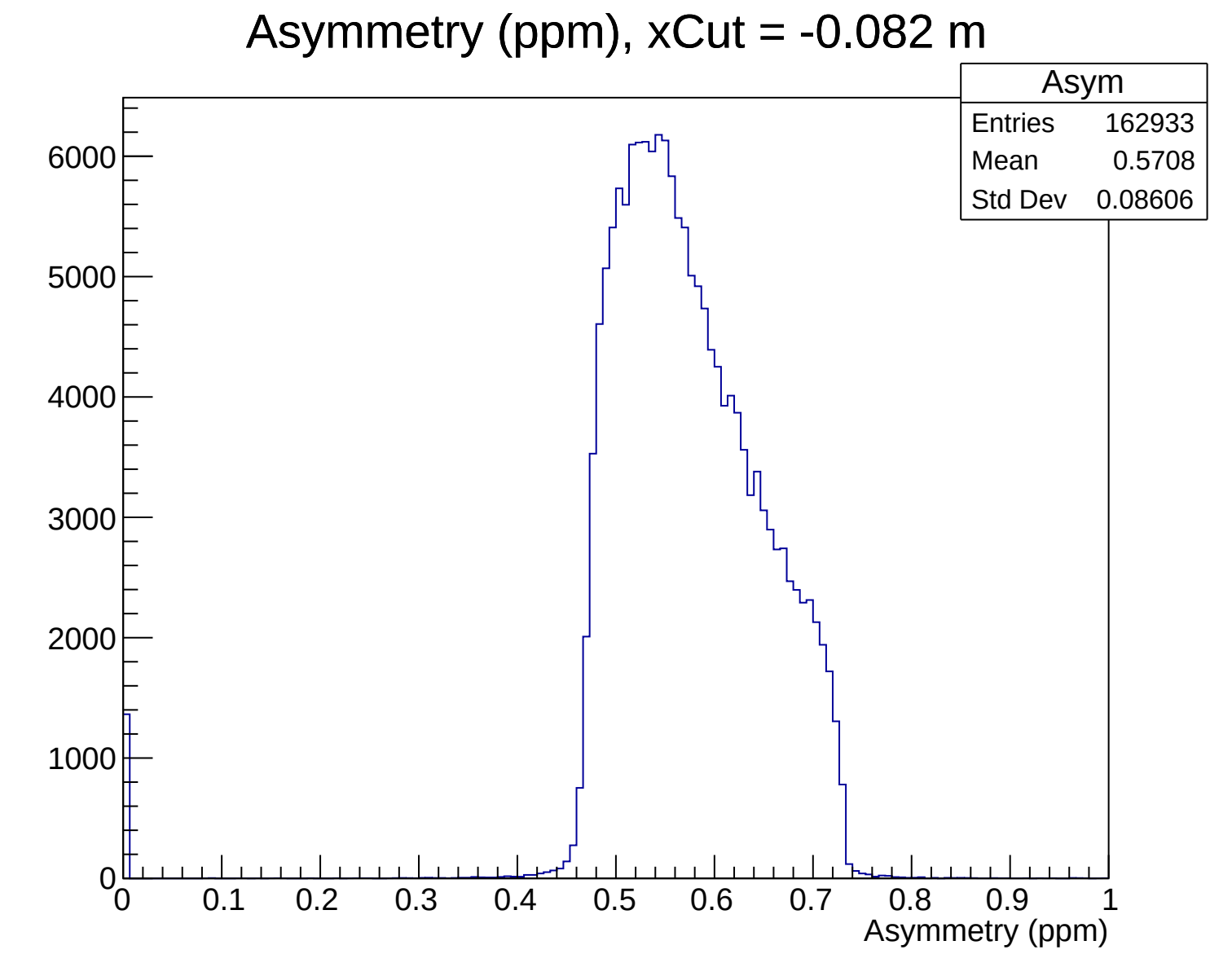

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

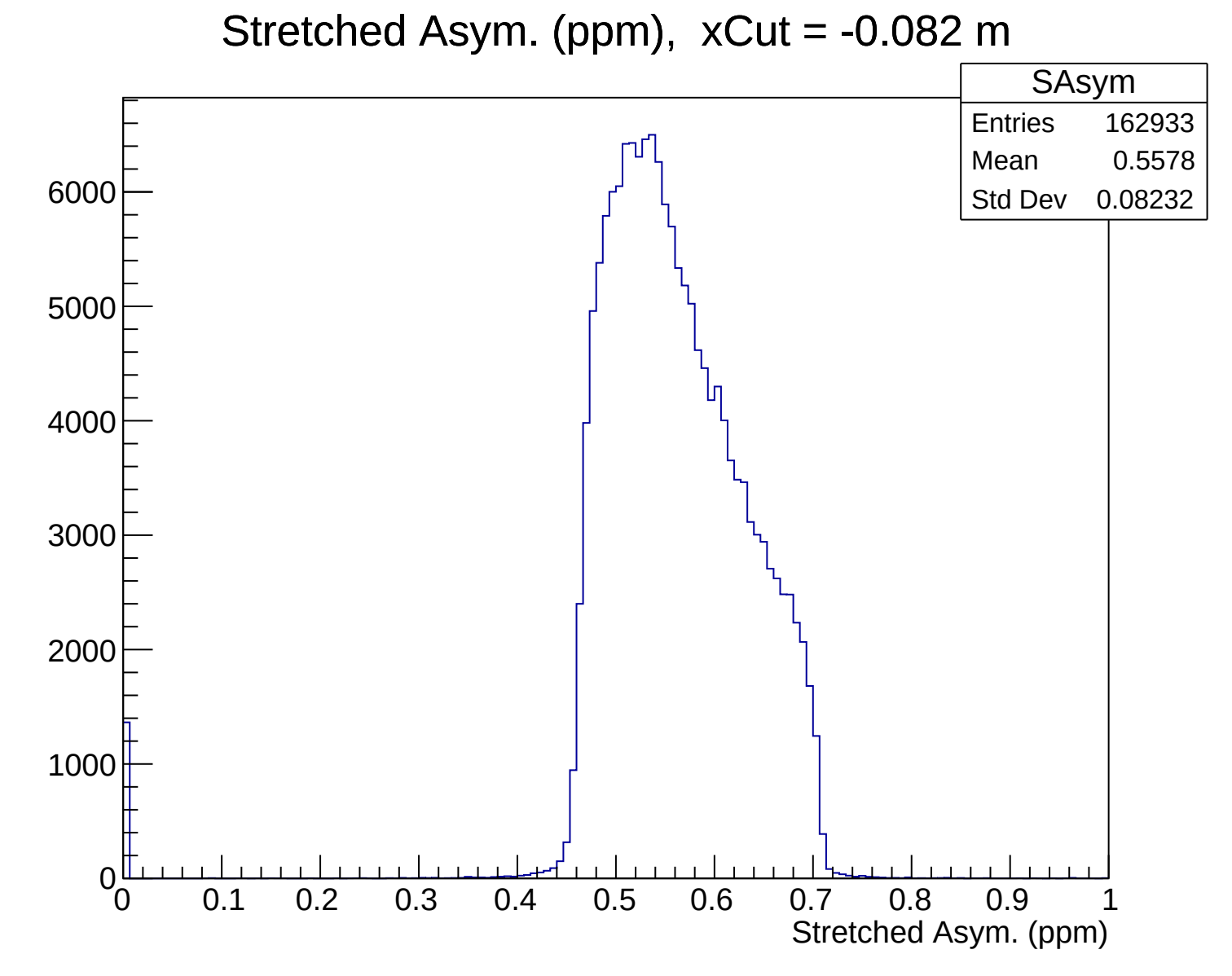

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

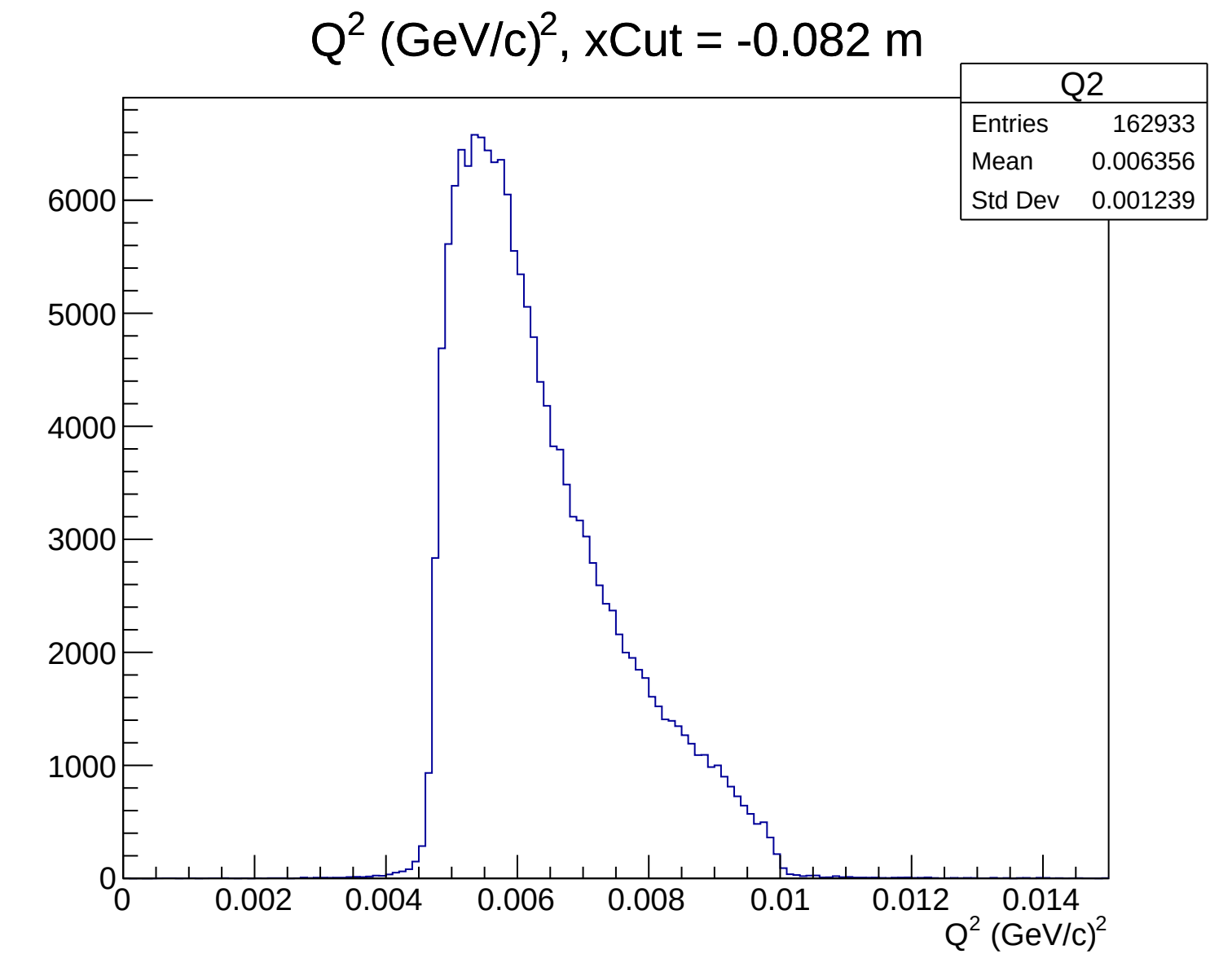

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.082
R.tr.x[0]+1.3*R.tr.th[0] (m)

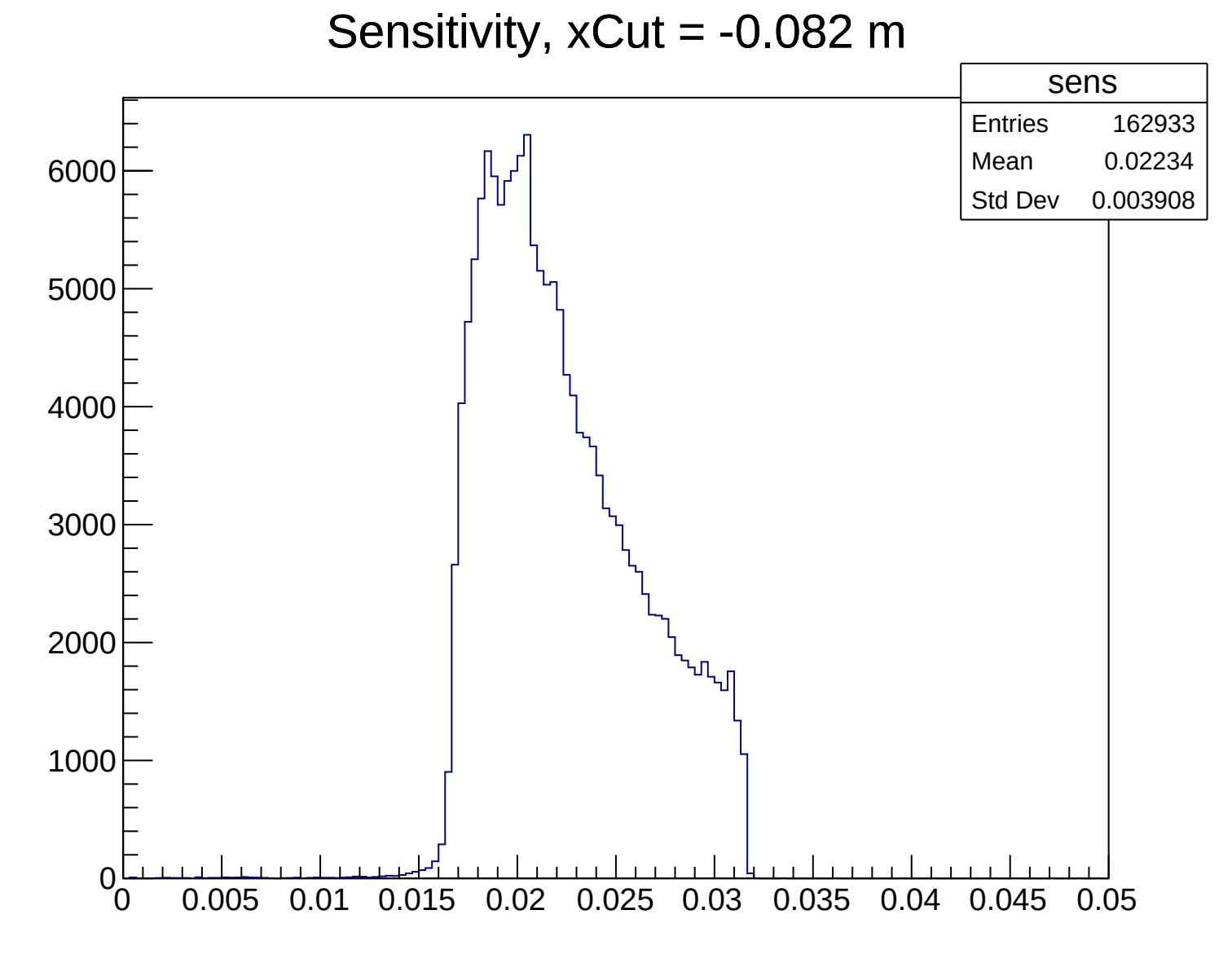

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

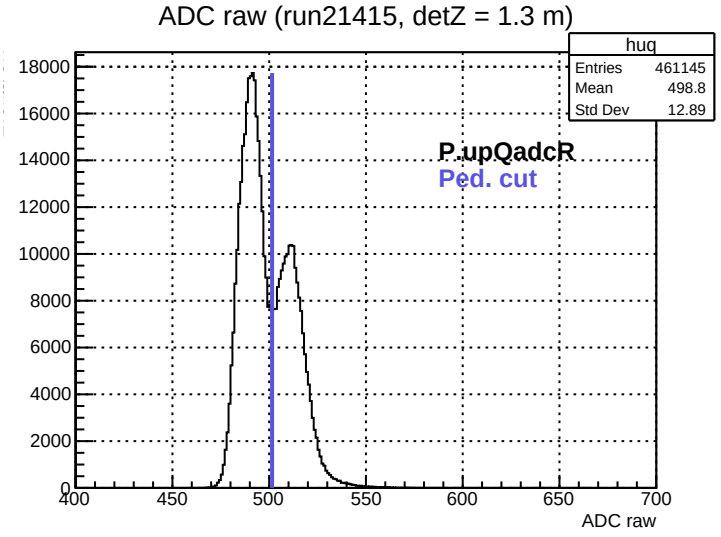

θlab (deg), xCut = -0.082 m
Theta
Entries 162933
Mean 4.796
Std Dev 0.458
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

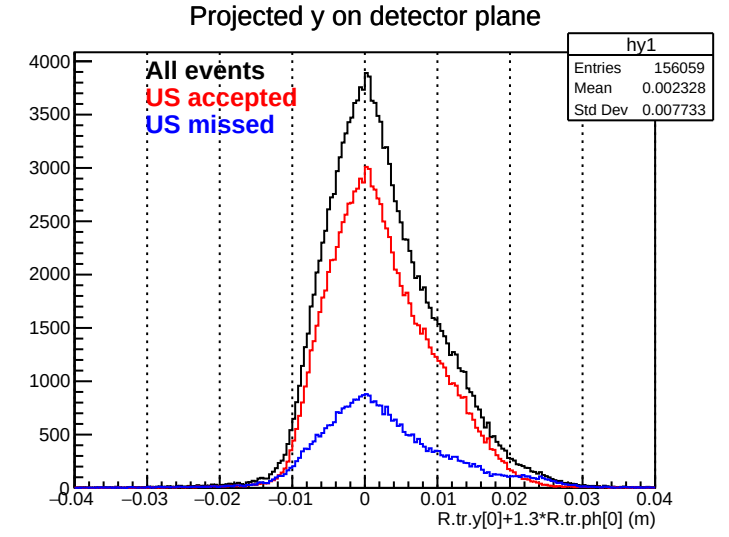

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 162933
Mean 0.5708
Std Dev 0.08606
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

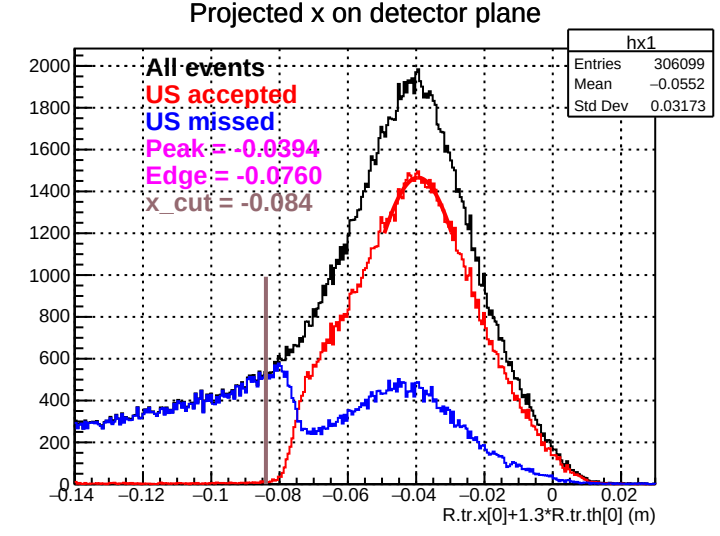

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 162933
Mean 0.5578
Std Dev 0.08232
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

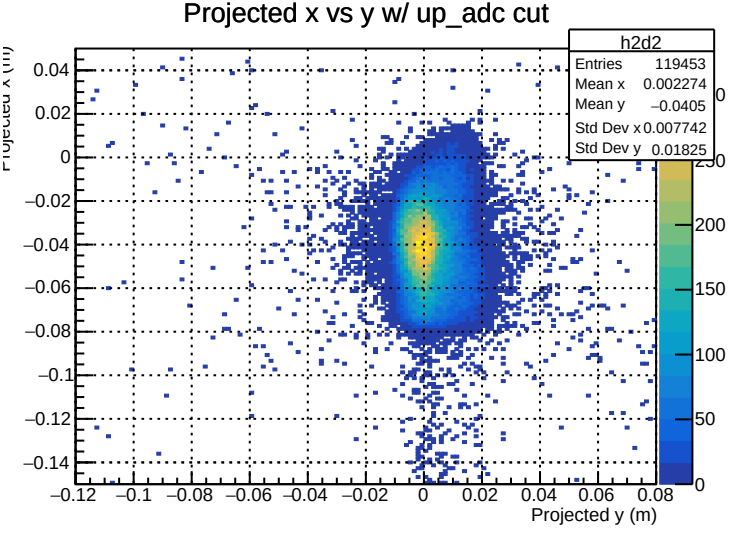

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 162933
Mean 0.006356
Std Dev 0.001239
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

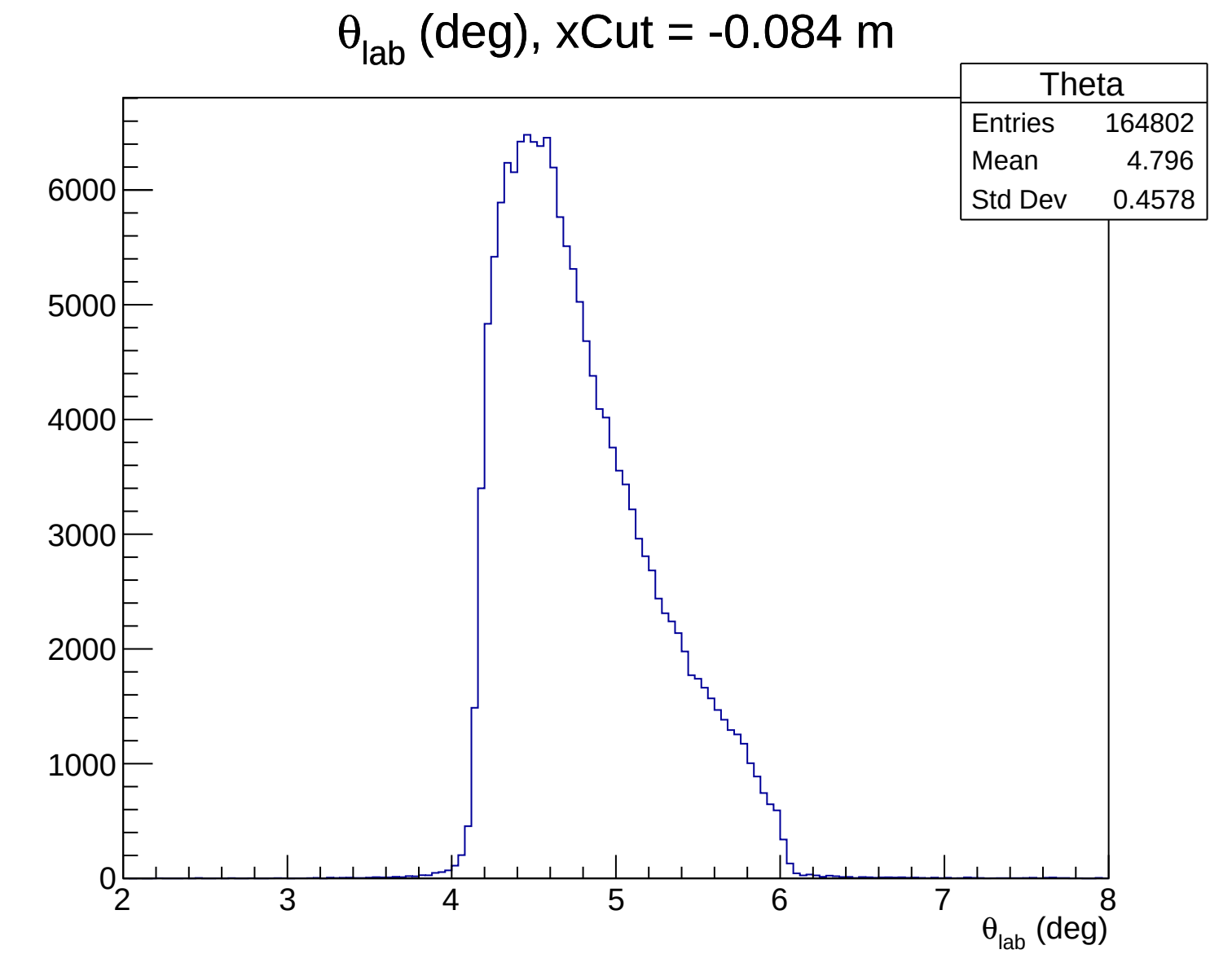

Sensitivity, xCut = -0.082 m
sens
Entries 162933
Mean 0.02234
Std Dev 0.003908
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

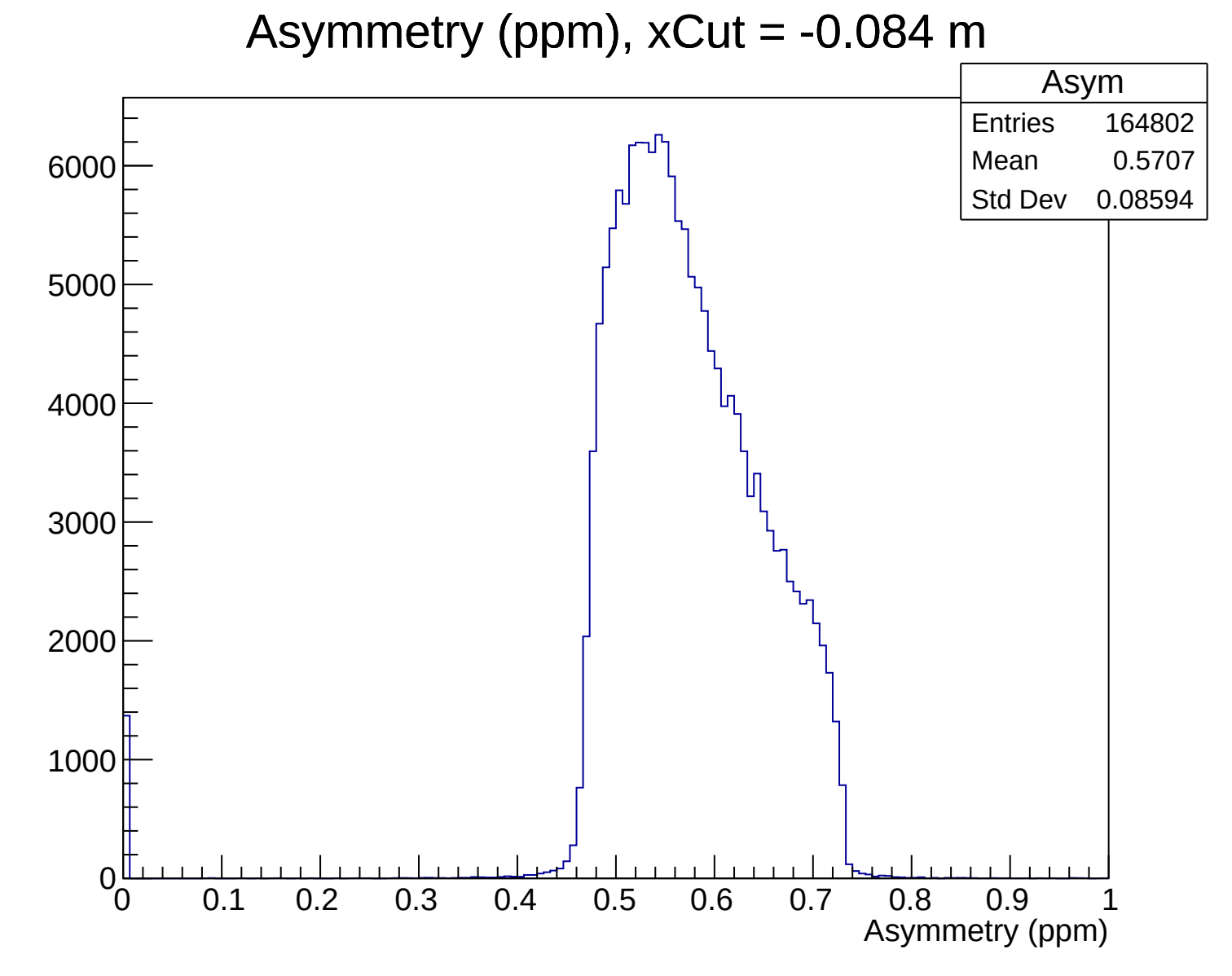

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

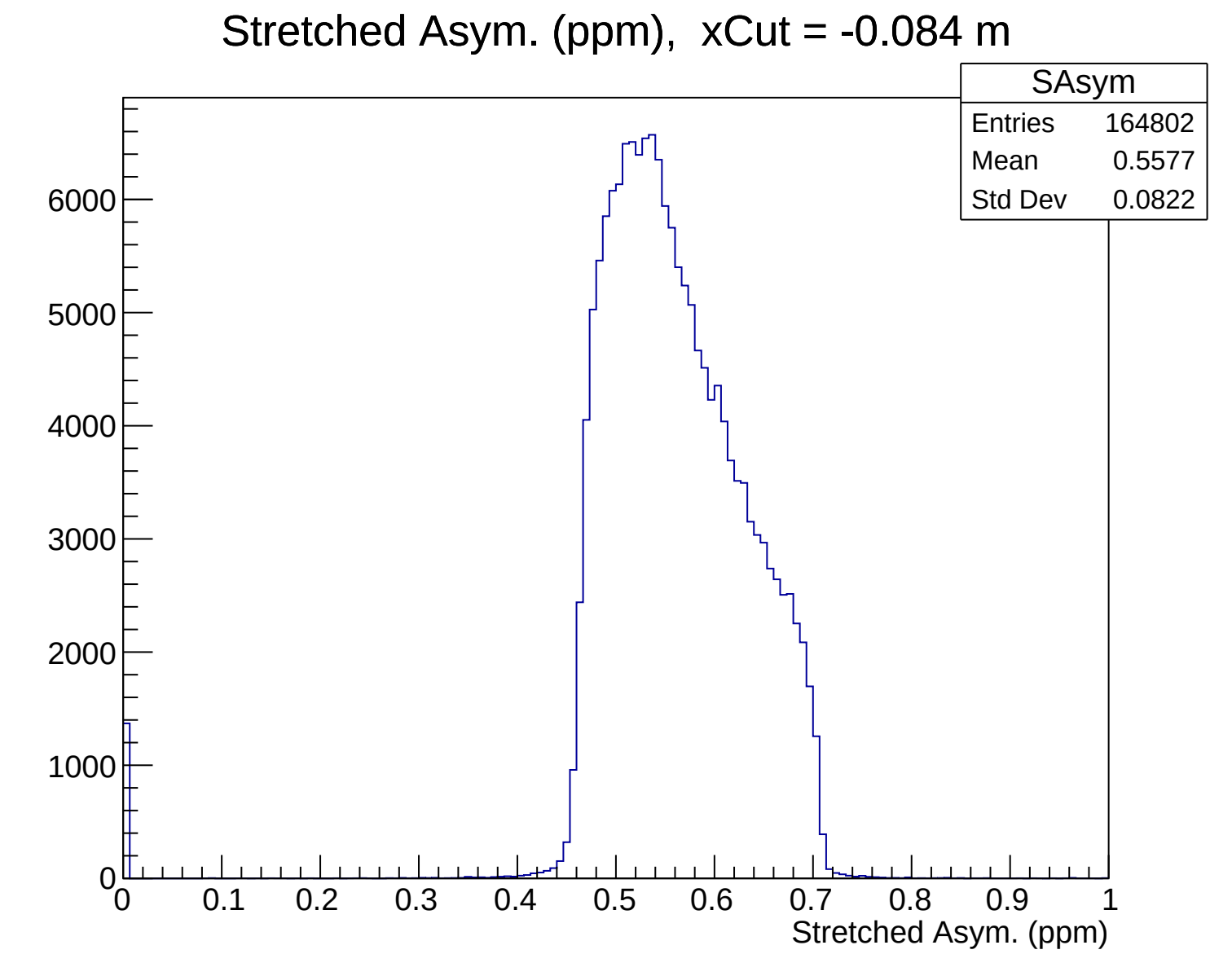

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

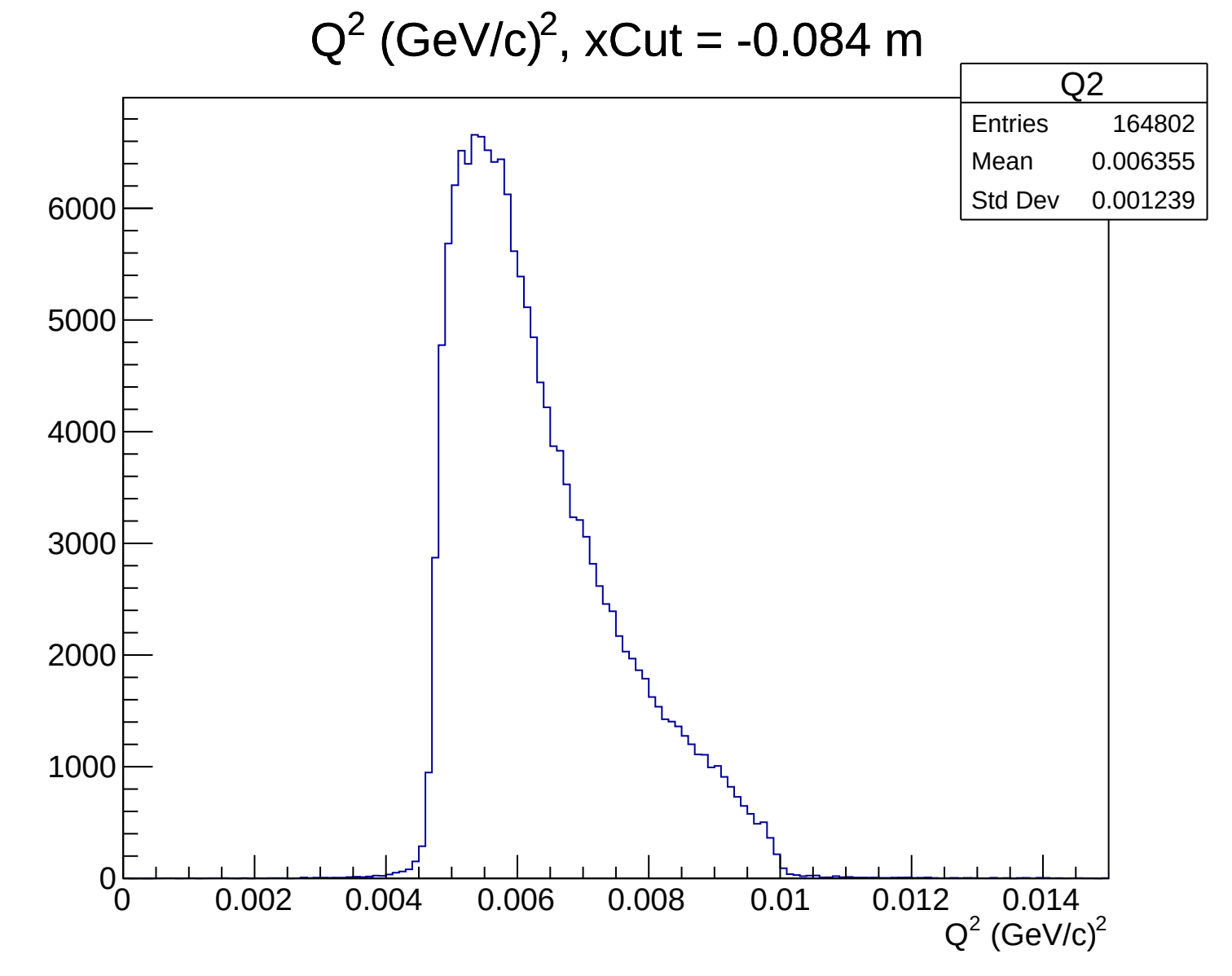

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.084
R.tr.x[0]+1.3*R.tr.th[0] (m)

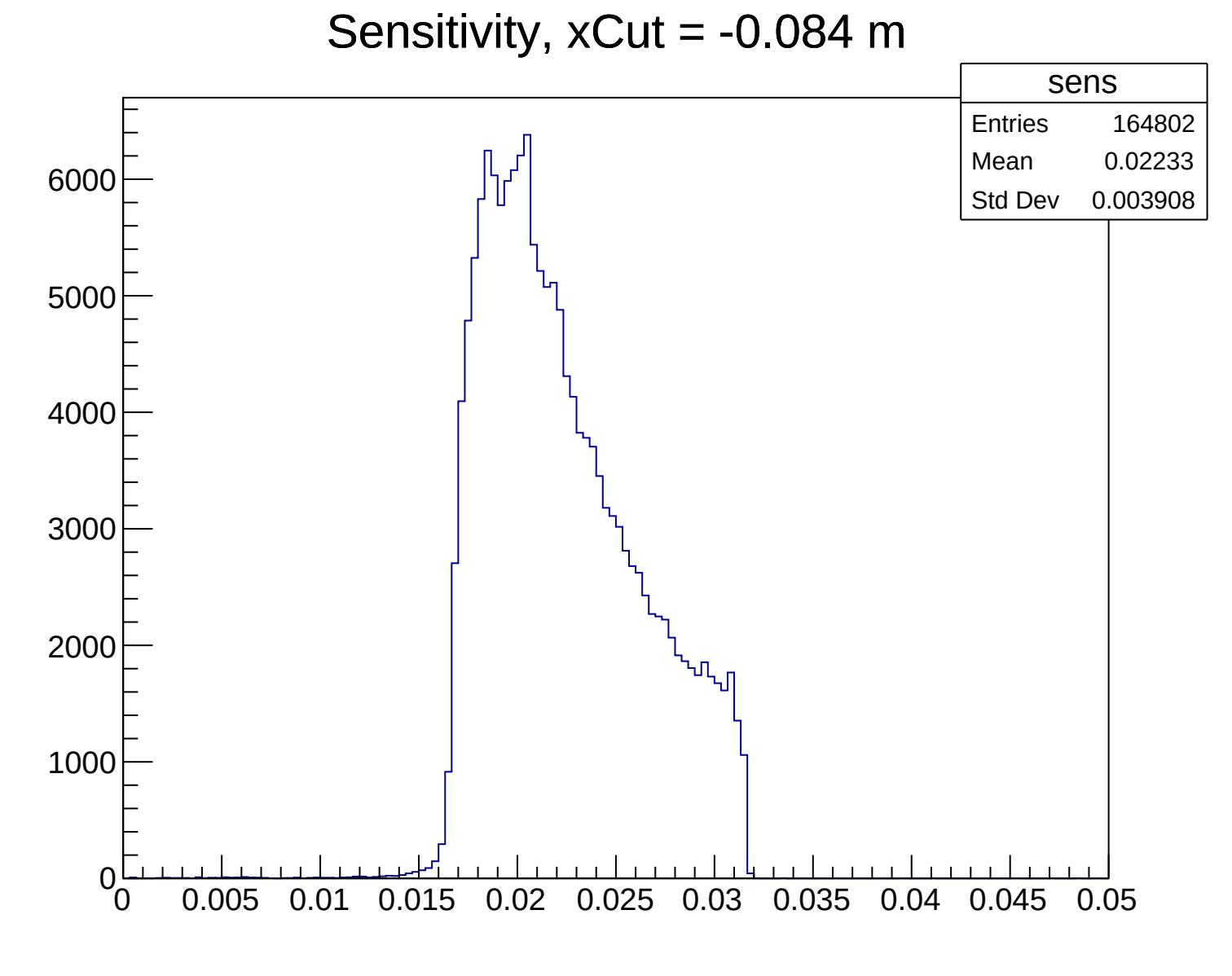

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

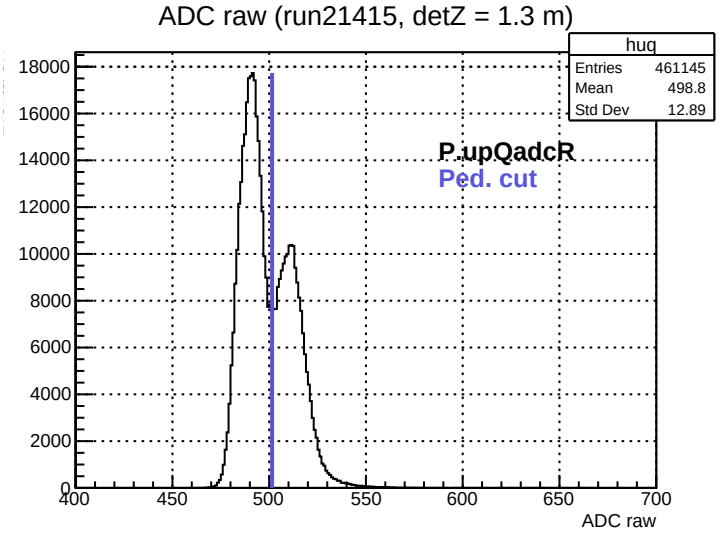

θlab (deg), xCut = -0.084 m
Theta
Entries 164802
Mean 4.796
Std Dev 0.4578
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

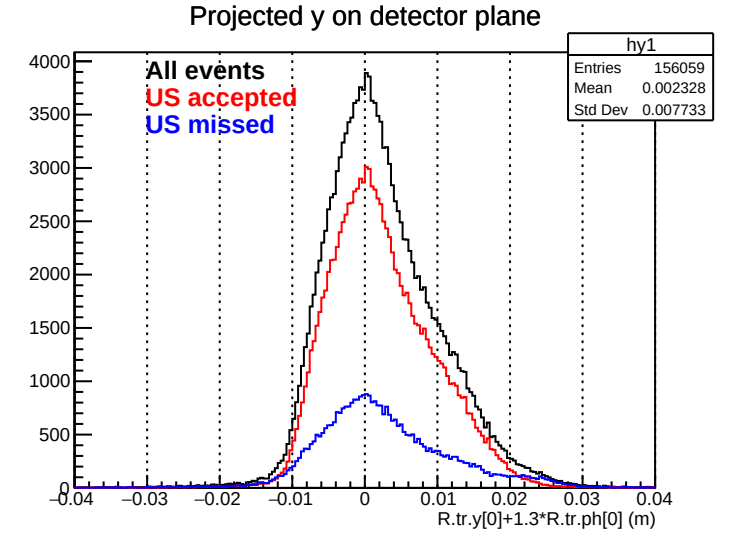

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 164802
Mean 0.5707
Std Dev 0.08594
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

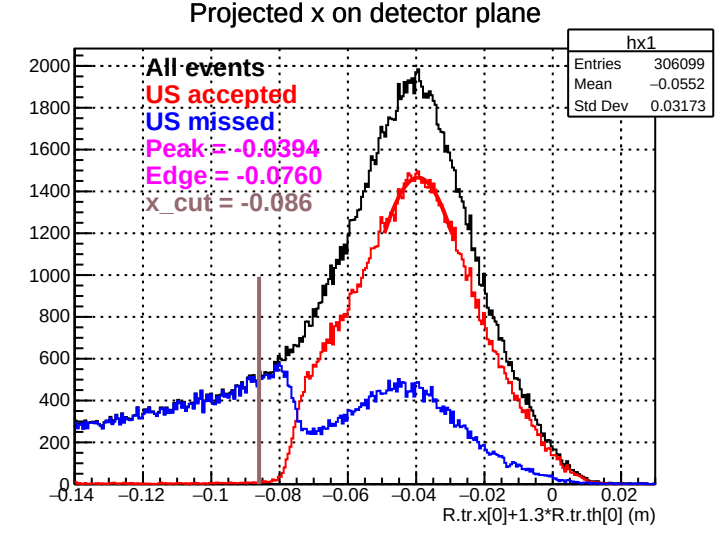

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 164802
Mean 0.5577
Std Dev 0.0822
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

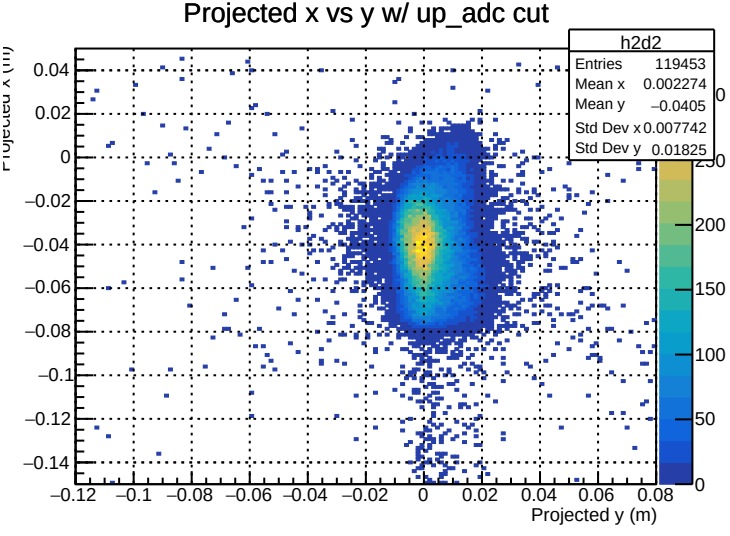

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 164802
Mean 0.006355
Std Dev 0.001239
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

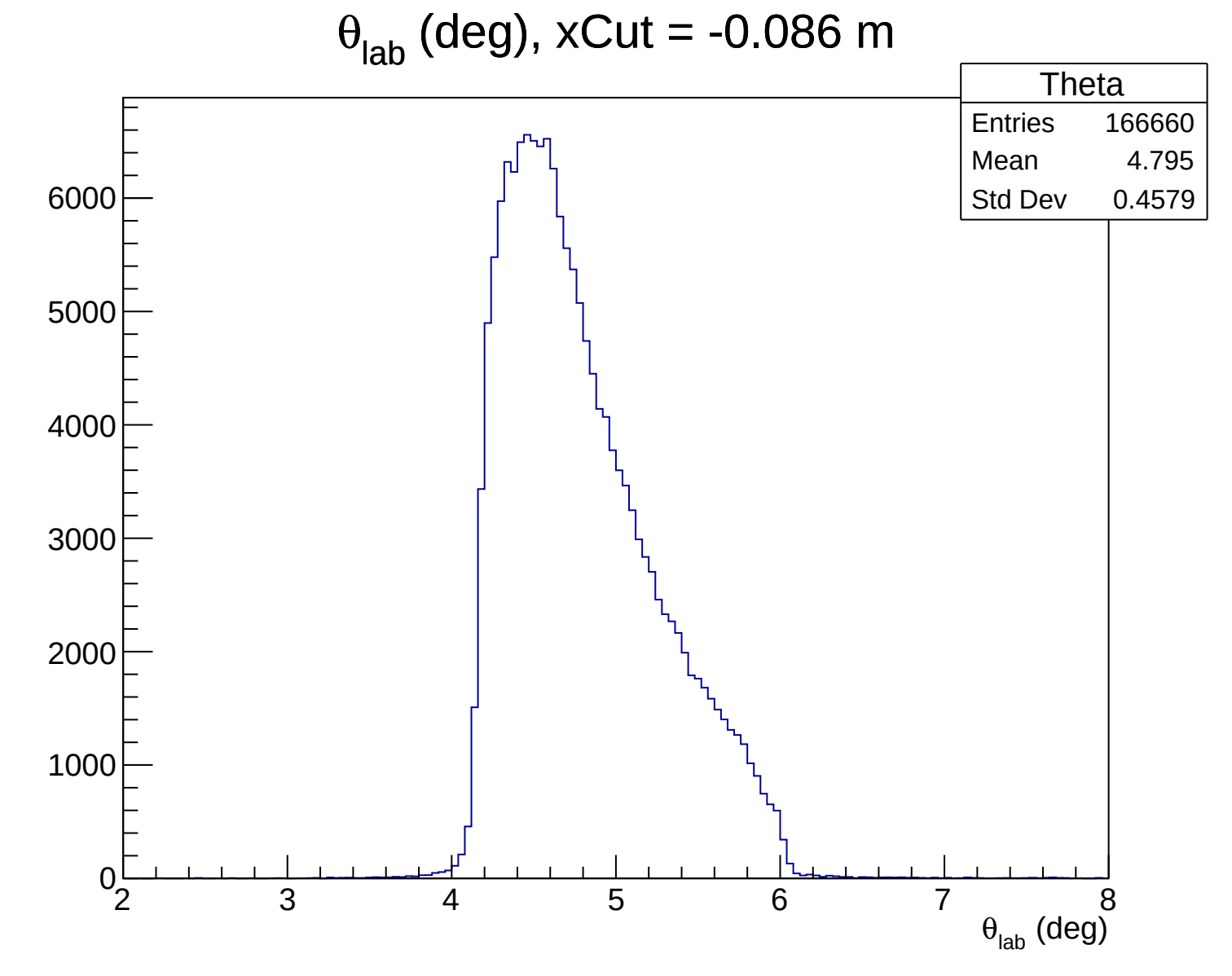

Sensitivity, xCut = -0.084 m
sens
Entries 164802
Mean 0.02233
Std Dev 0.003908
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

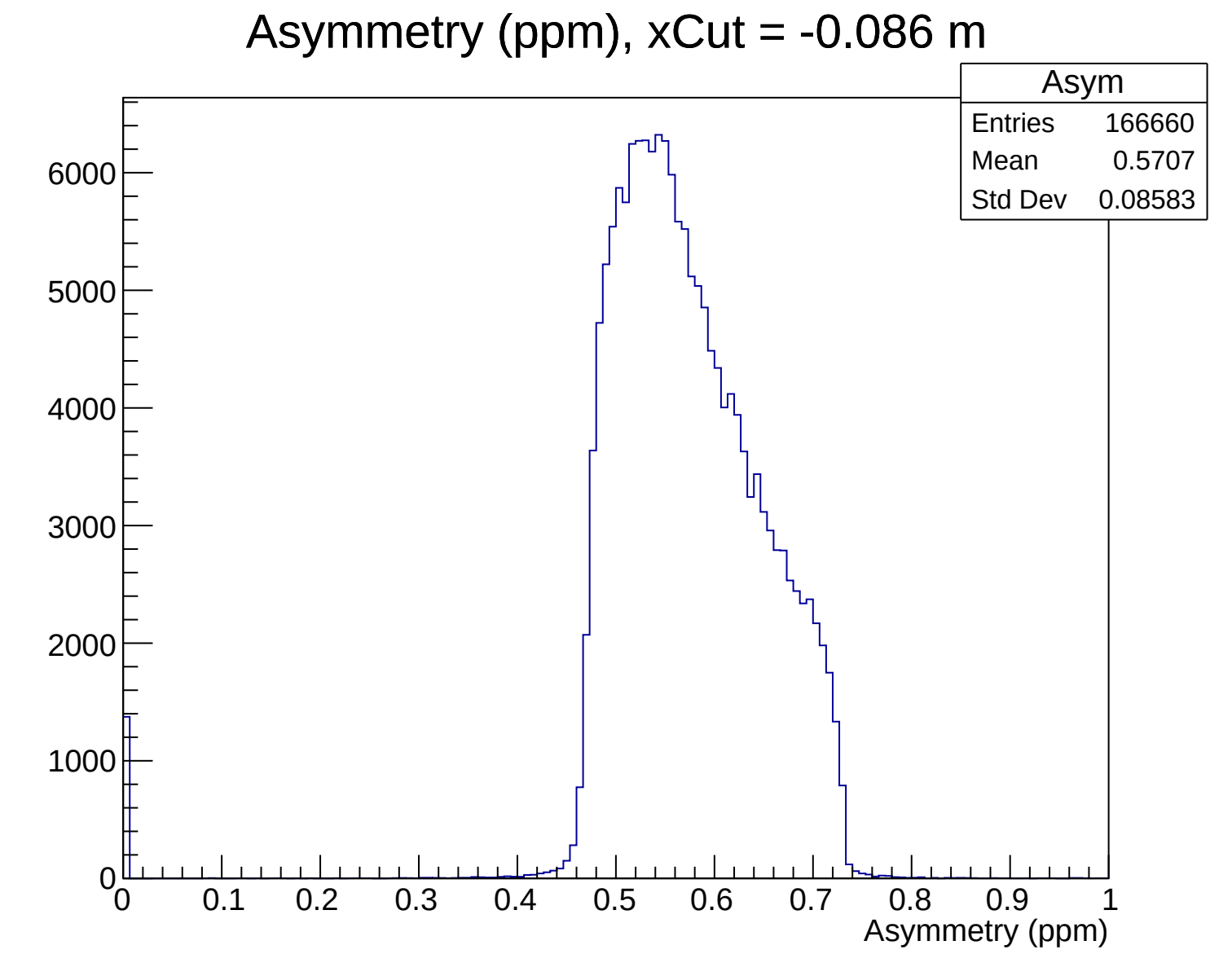

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

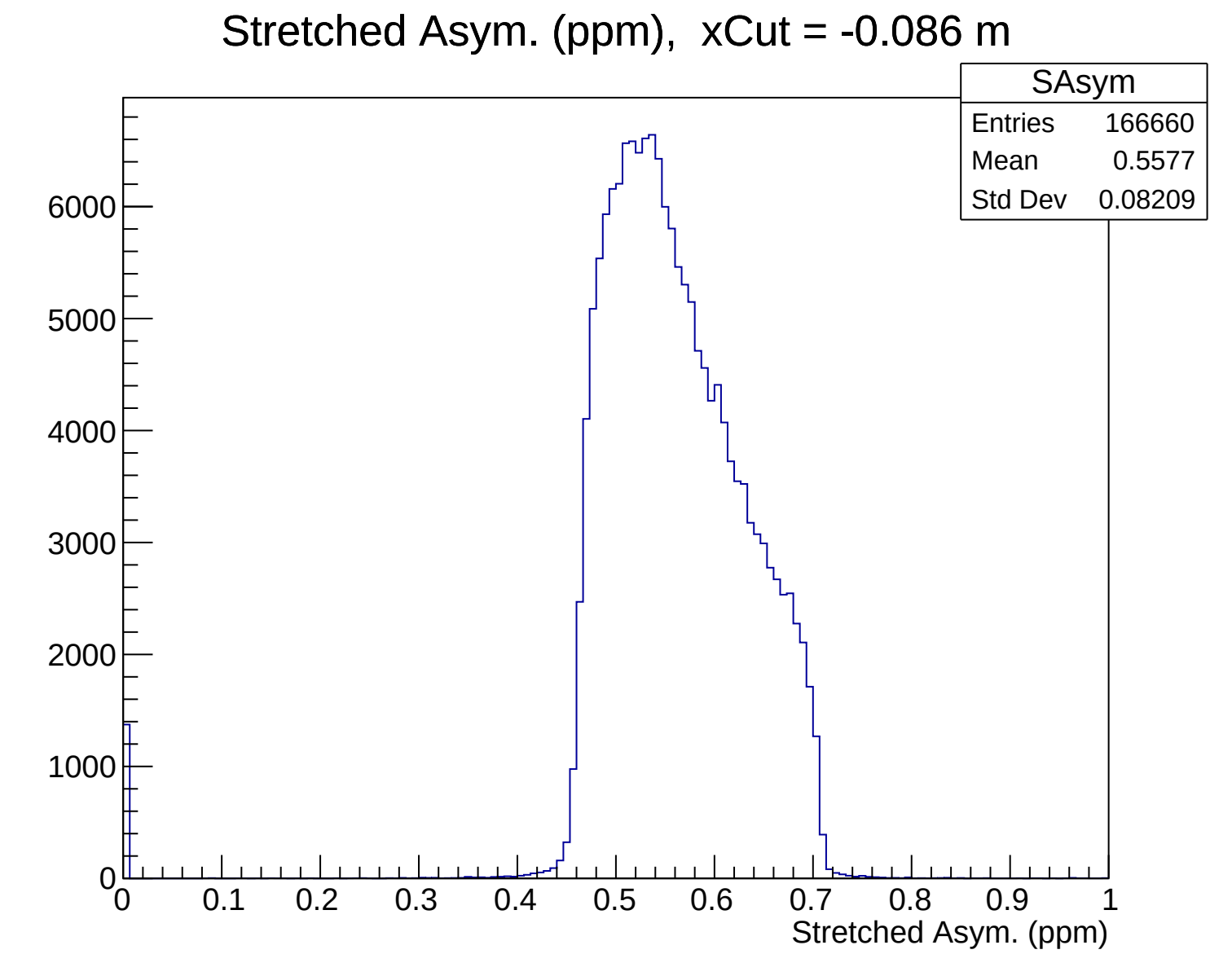

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

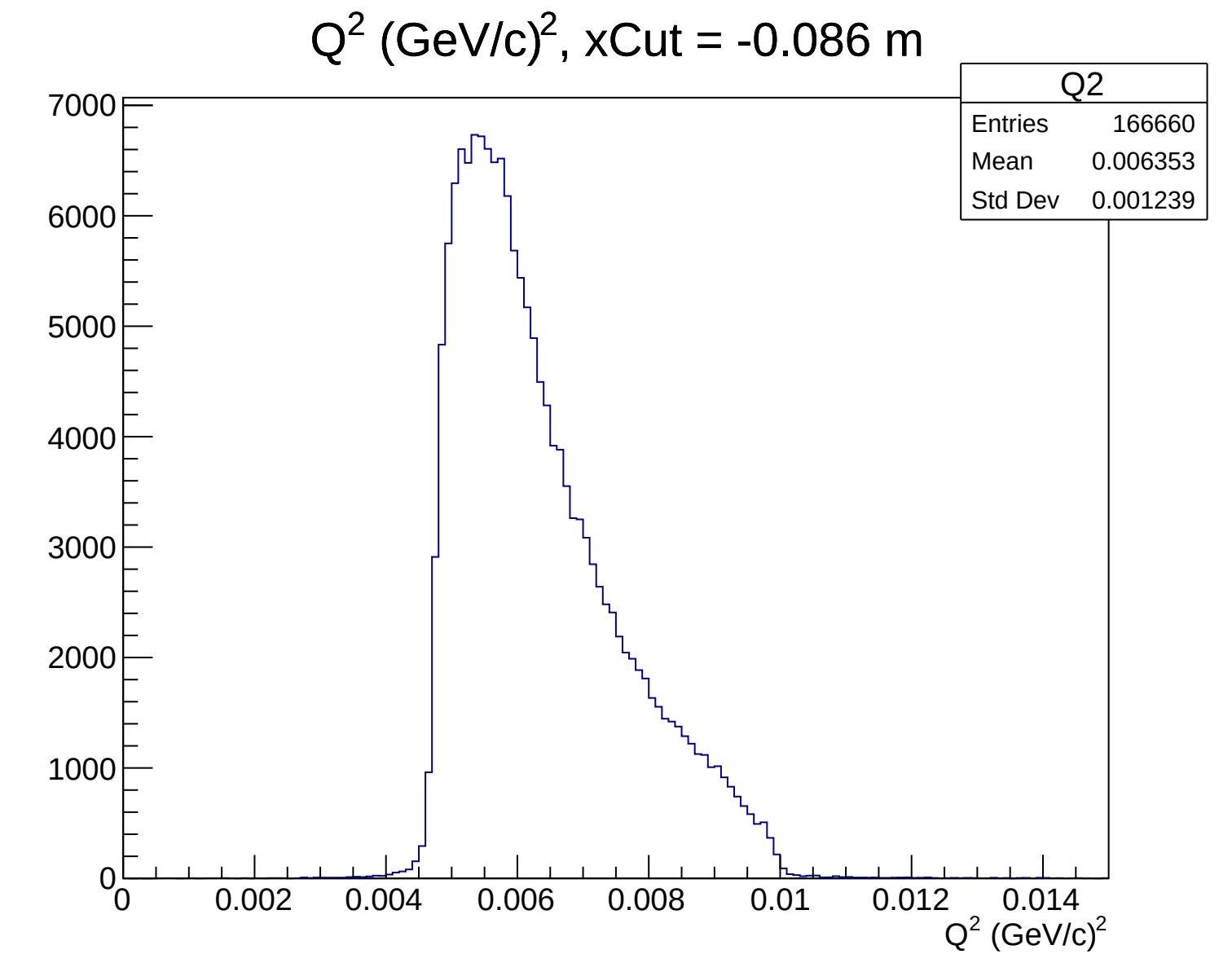

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.086
R.tr.x[0]+1.3*R.tr.th[0] (m)

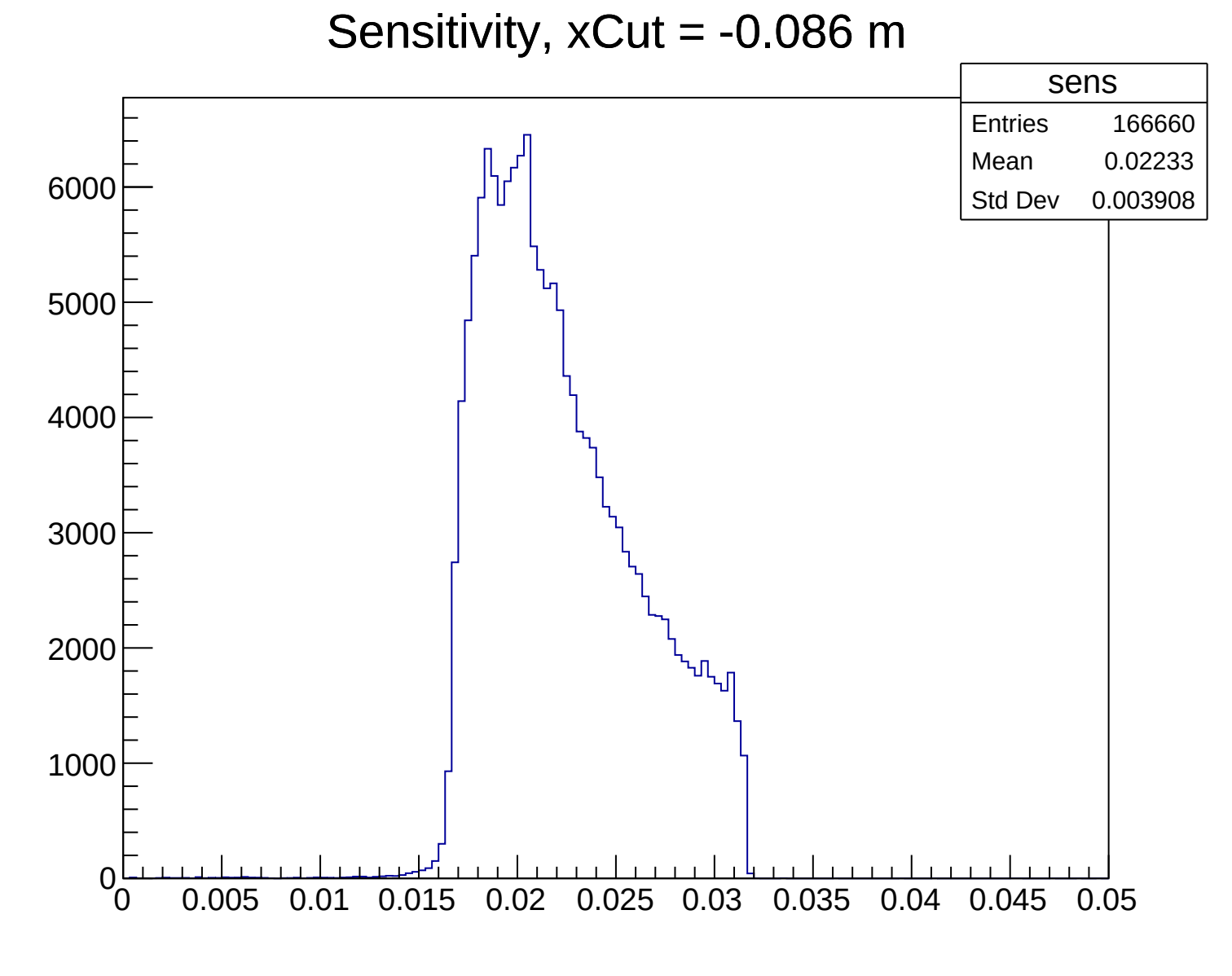

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

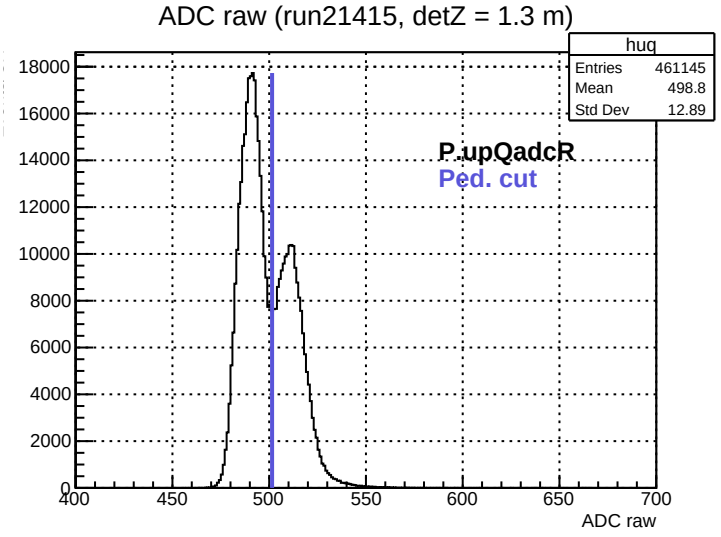

θlab (deg), xCut = -0.086 m
Theta
Entries 166660
Mean 4.795
Std Dev 0.4579
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

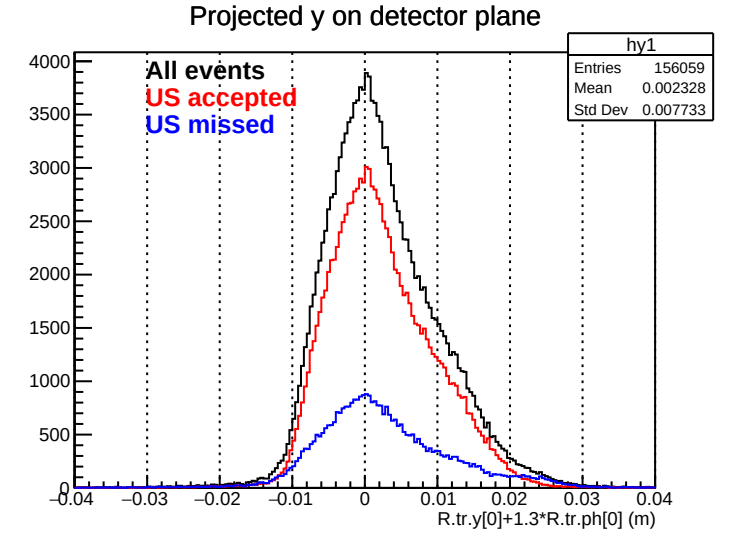

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 166660
Mean 0.5707
Std Dev 0.08583
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

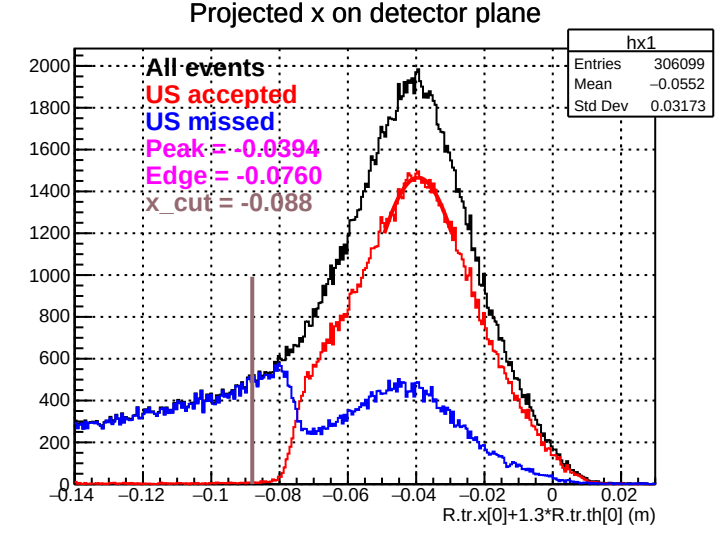

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 166660
Mean 0.5577
Std Dev 0.08209
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

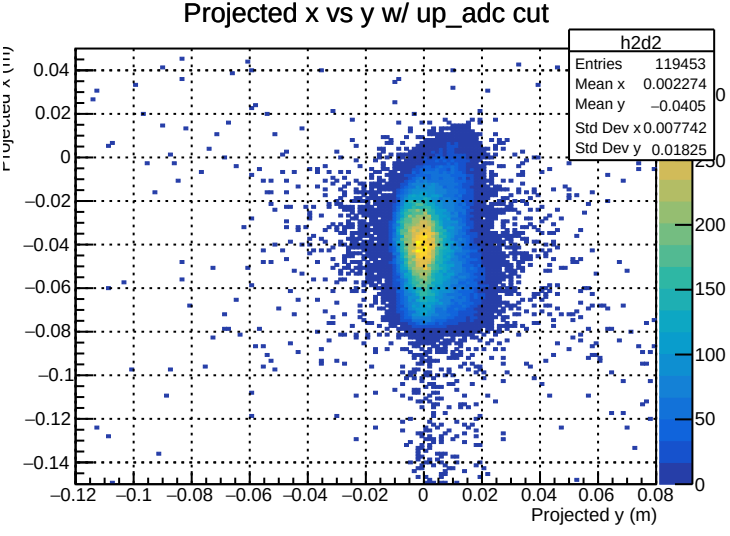

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 166660
Mean 0.006353
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

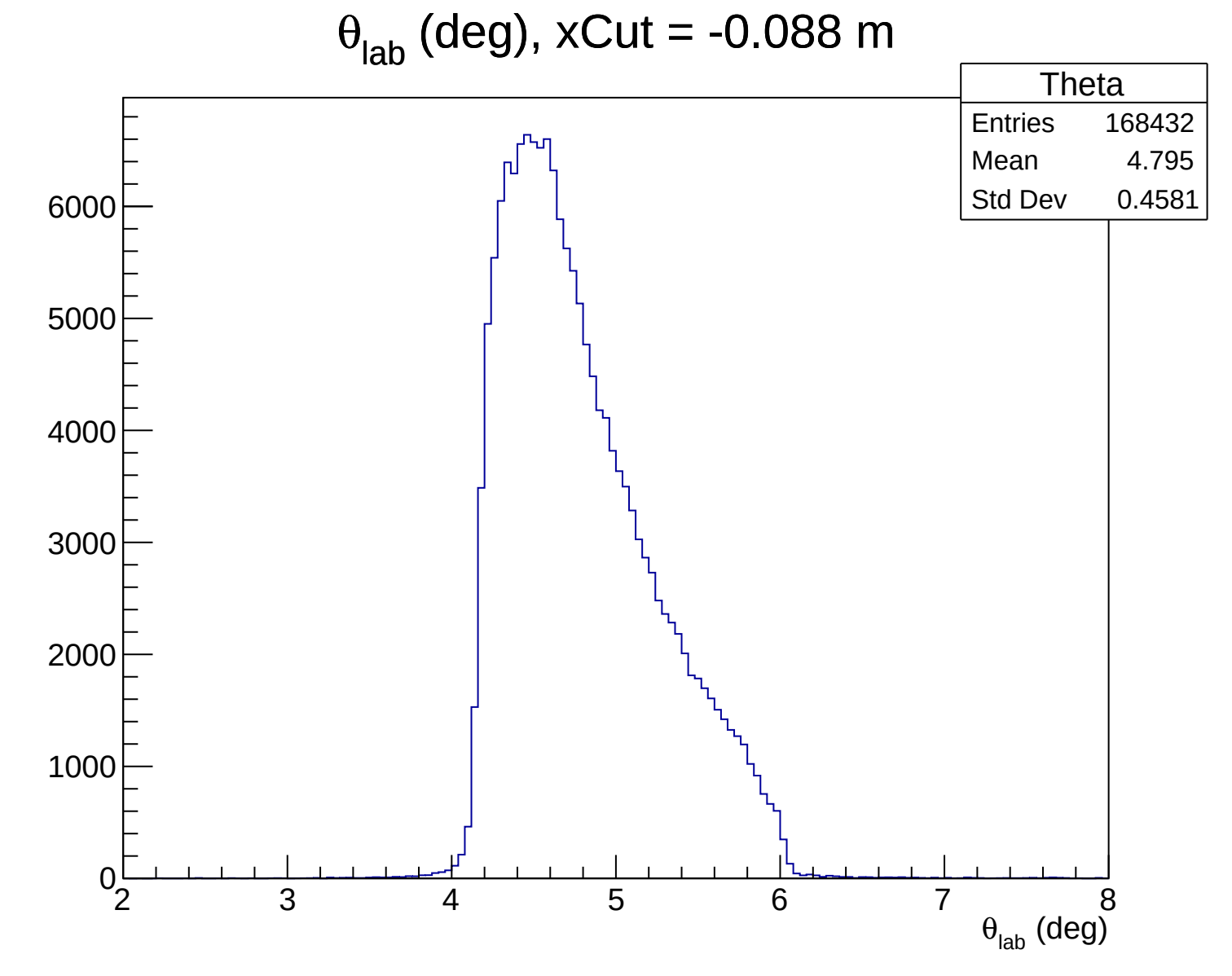

Sensitivity, xCut = -0.086 m
sens
Entries 166660
Mean 0.02233
Std Dev 0.003908
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

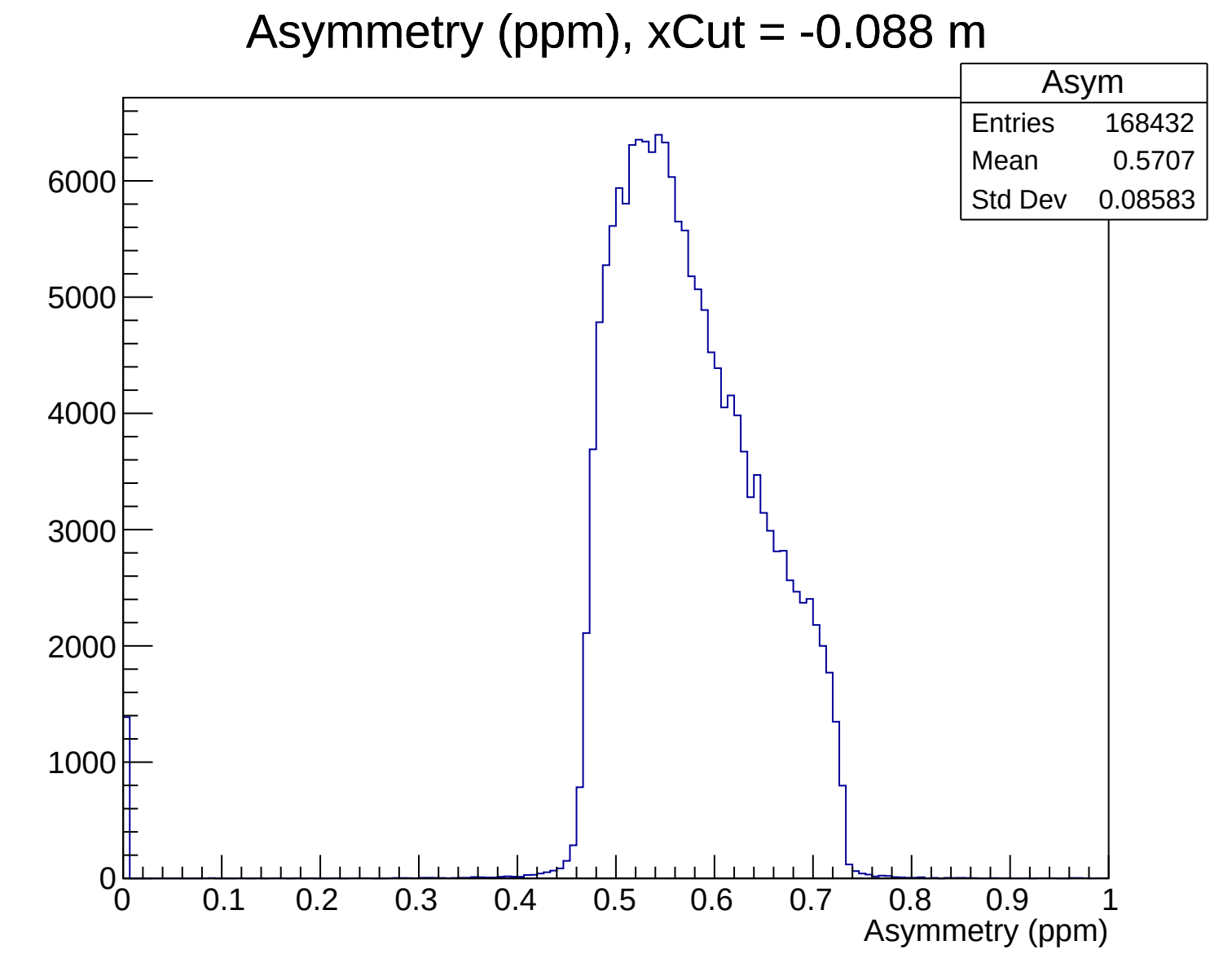

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

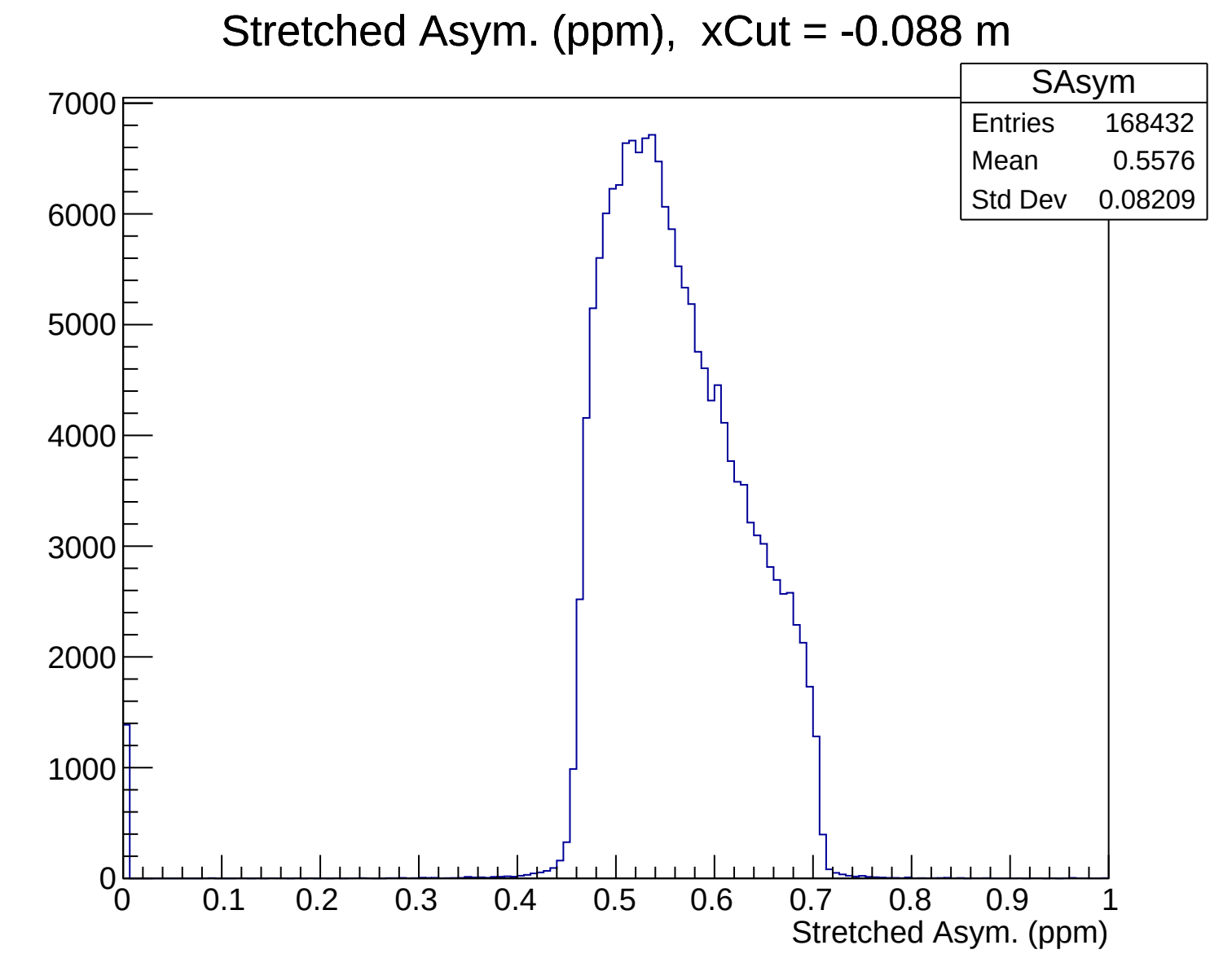

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

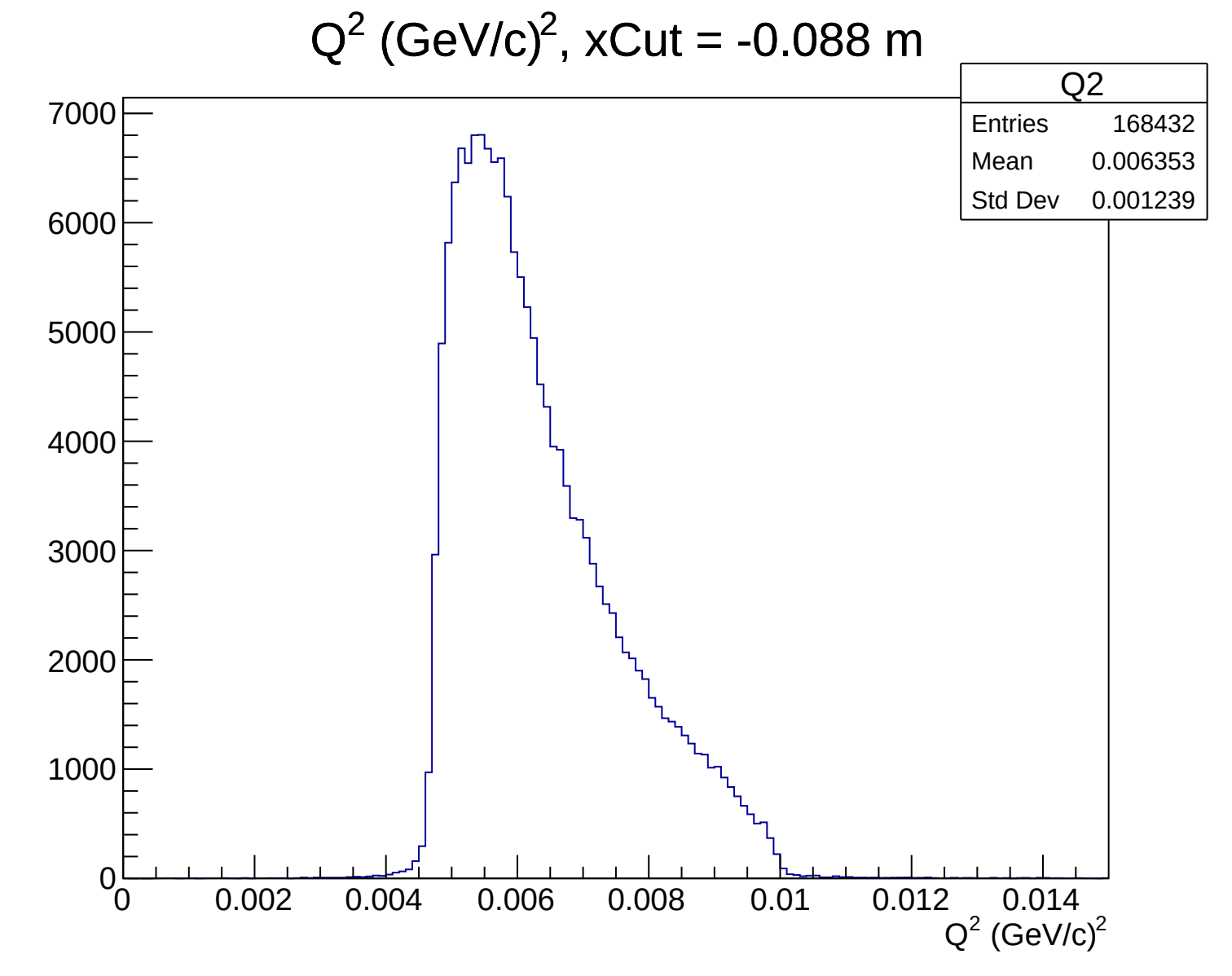

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.088
R.tr.x[0]+1.3*R.tr.th[0] (m)

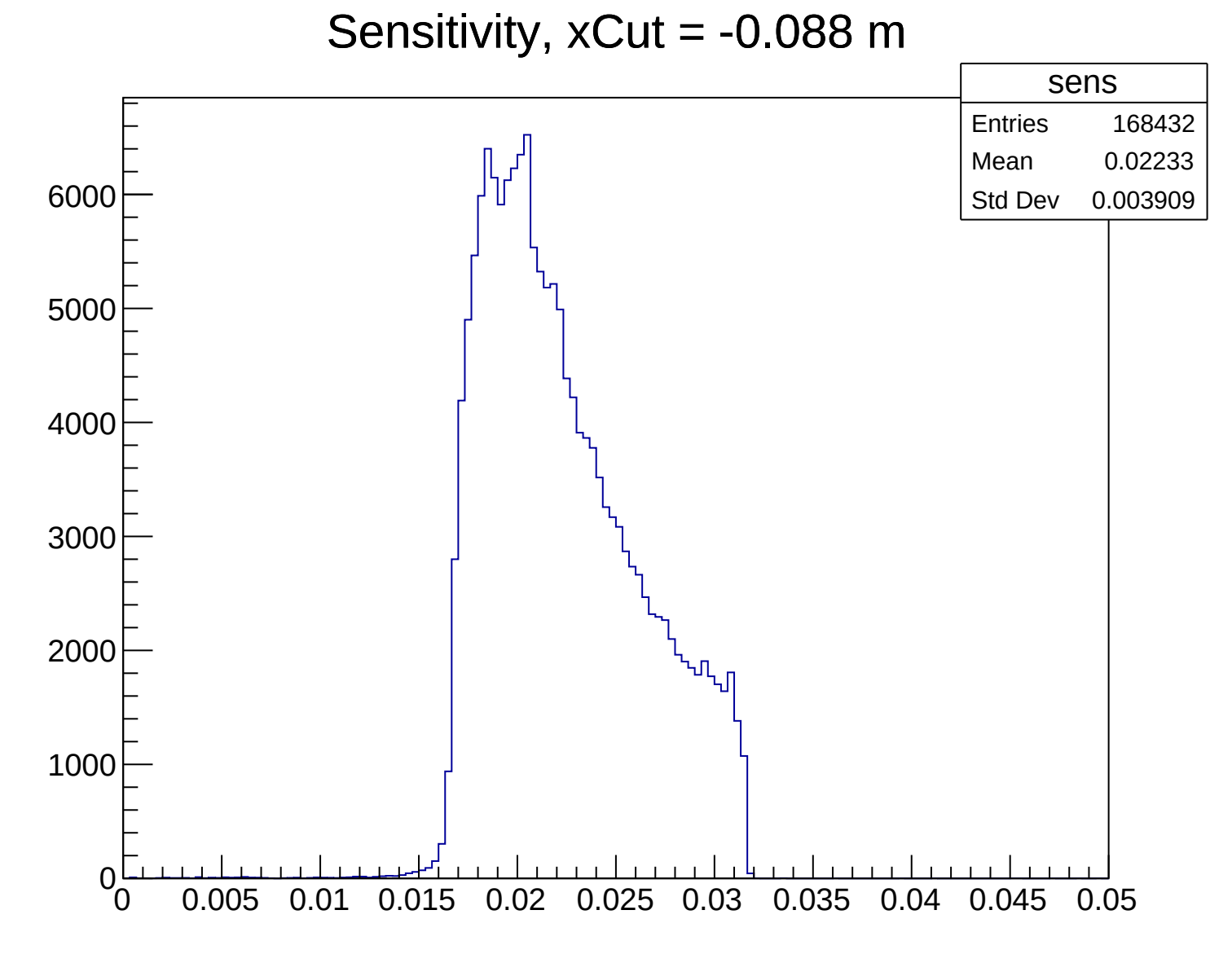

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

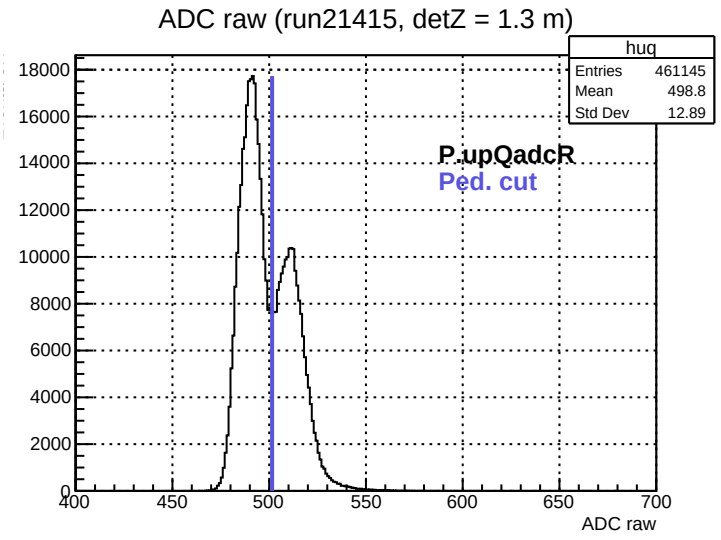

θlab (deg), xCut = -0.088 m
Theta
Entries 168432
Mean 4.795
Std Dev 0.4581
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

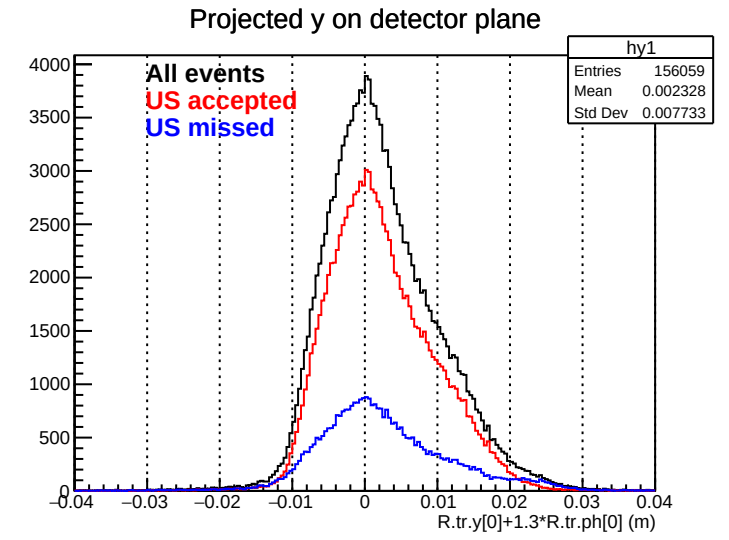

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 168432
Mean 0.5707
Std Dev 0.08583
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

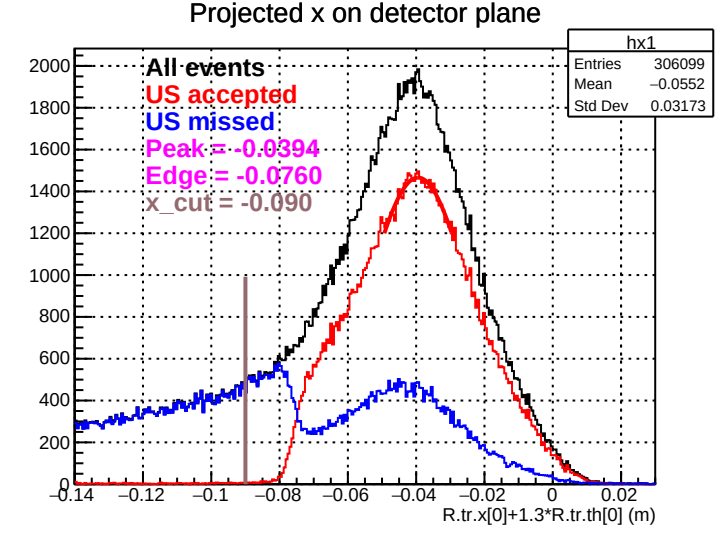

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 168432
Mean 0.5576
Std Dev 0.08209
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

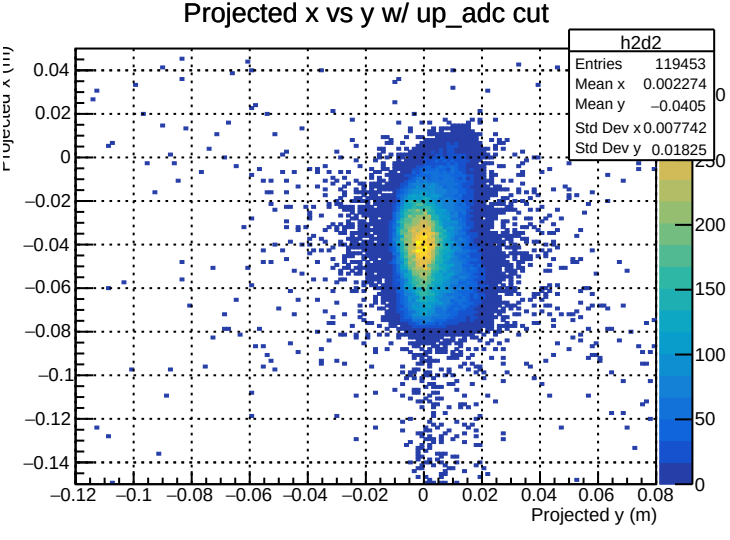

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 168432
Mean 0.006353
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

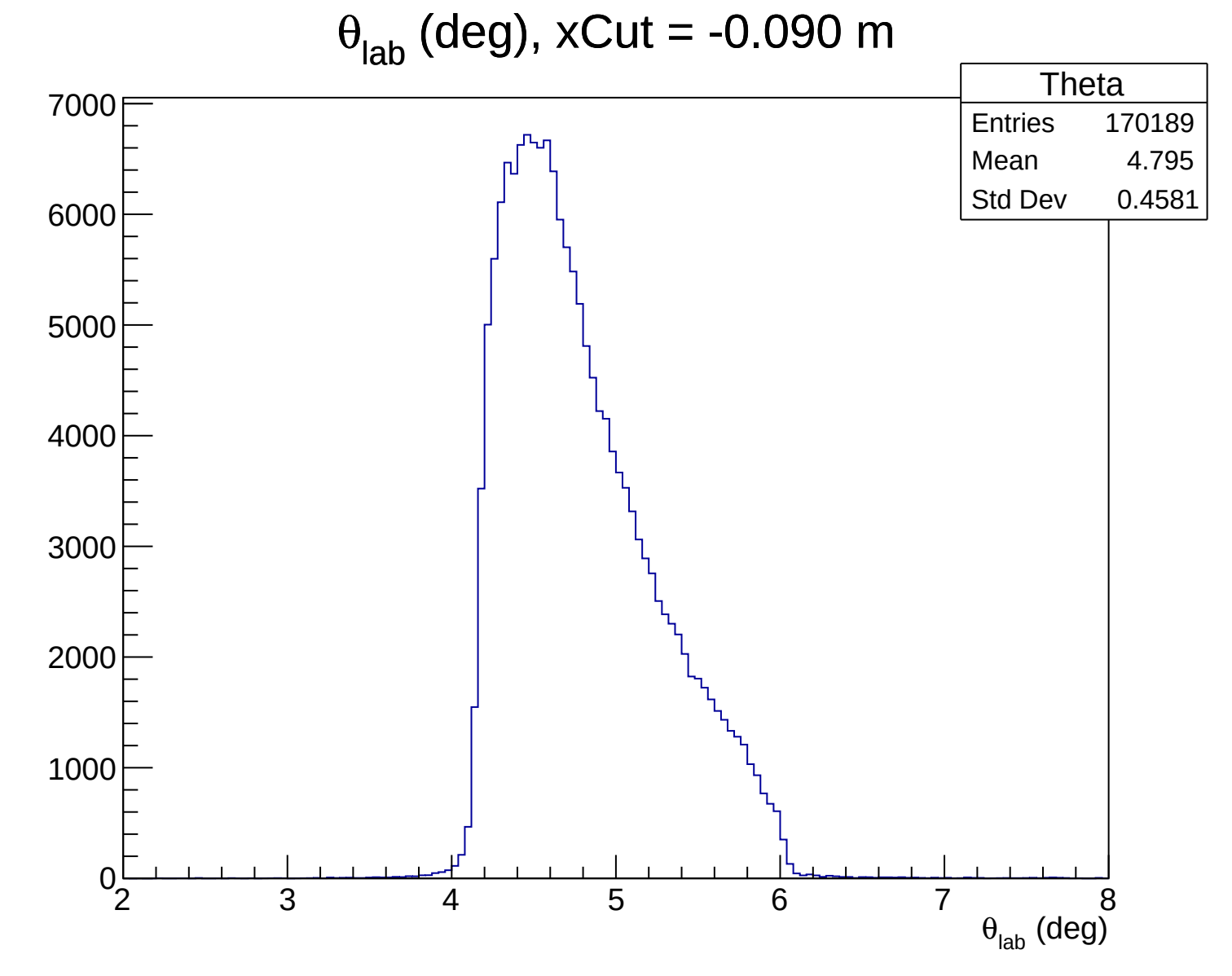

Sensitivity, xCut = -0.088 m
sens
Entries 168432
Mean 0.02233
Std Dev 0.003909
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

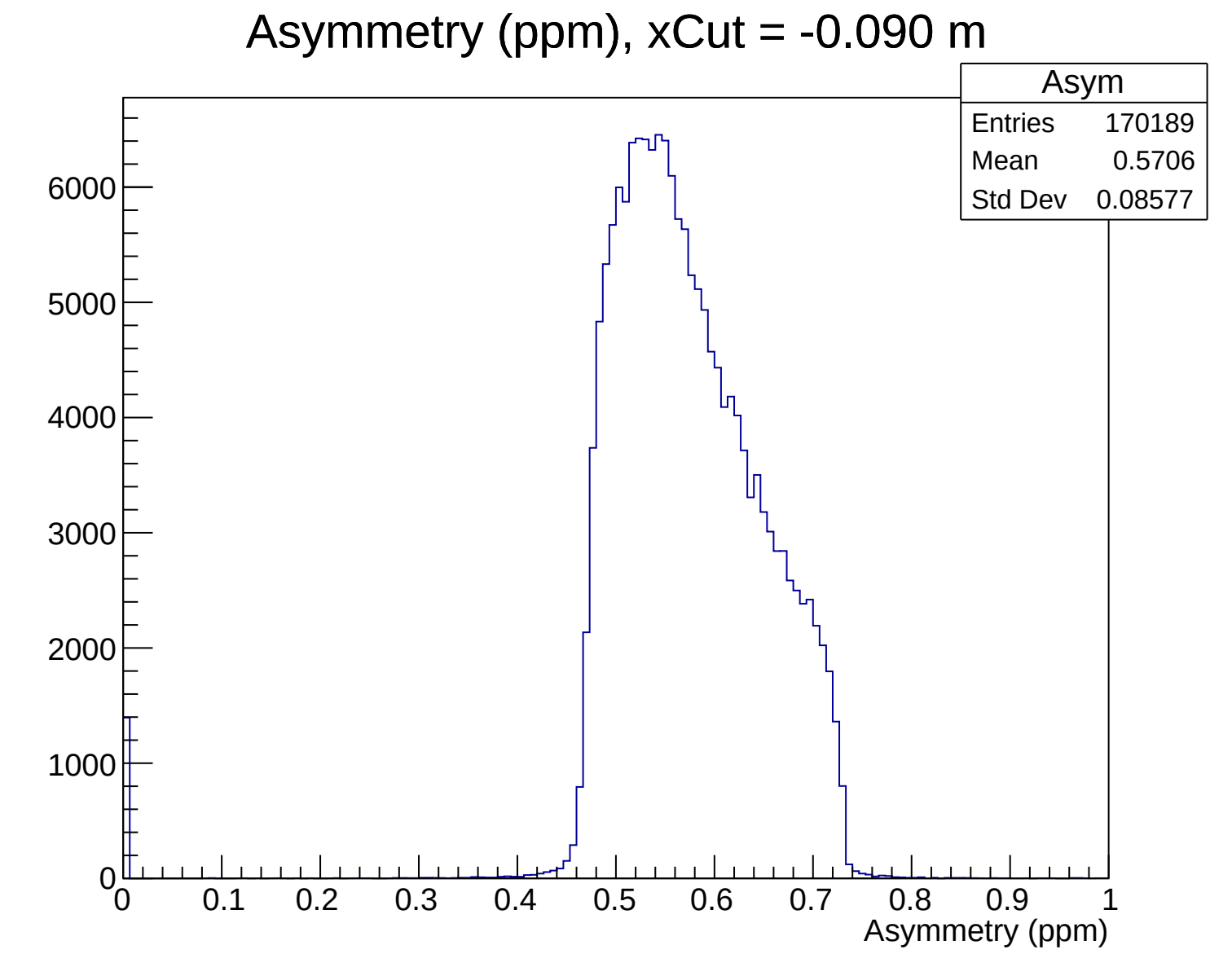

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

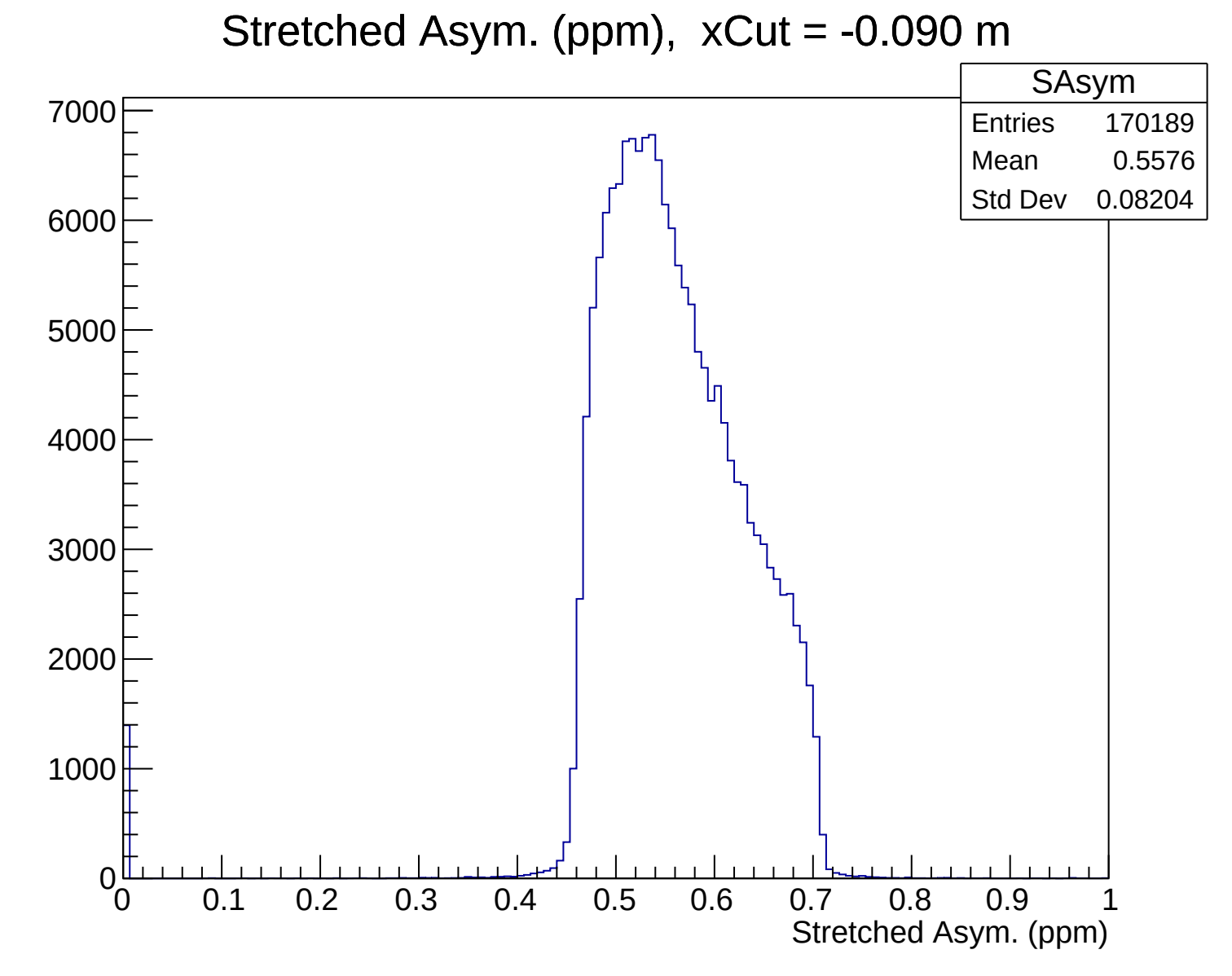

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

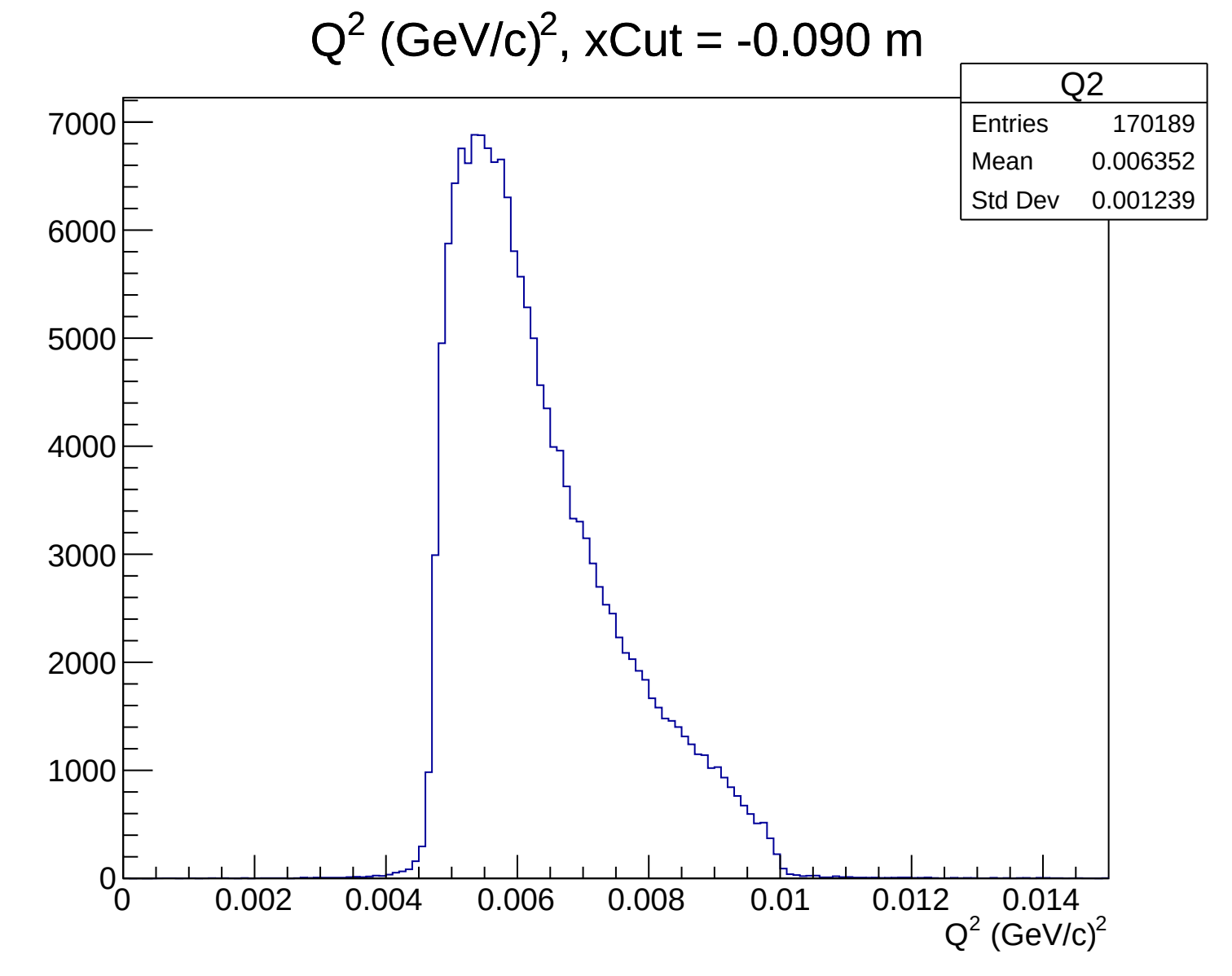

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.090
R.tr.x[0]+1.3*R.tr.th[0] (m)

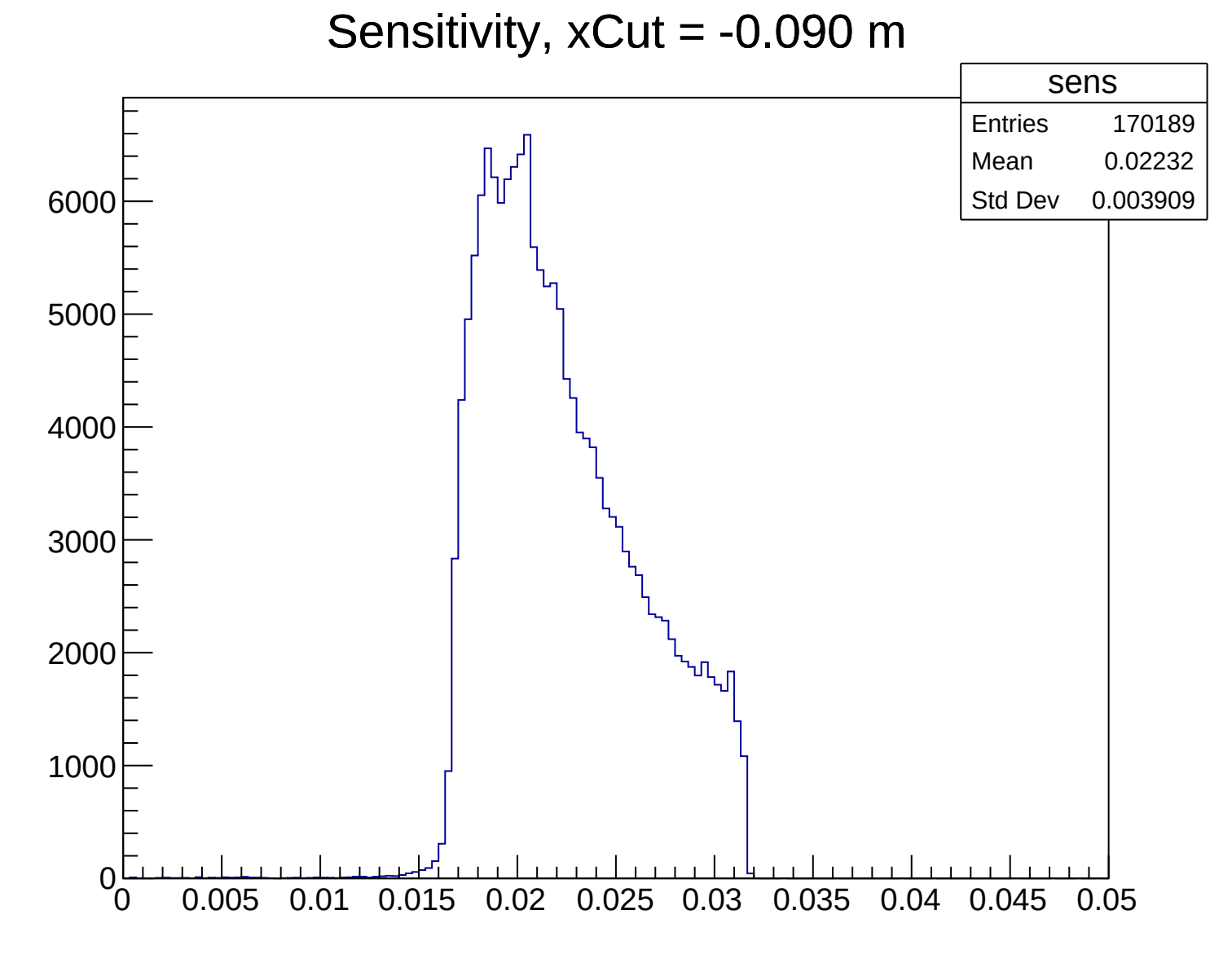

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

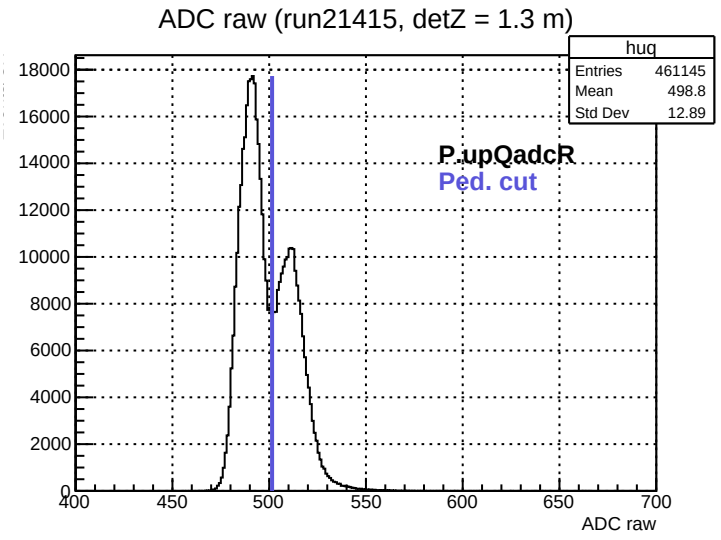

θlab (deg), xCut = -0.090 m
Theta
Entries 170189
Mean 4.795
Std Dev 0.4581
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

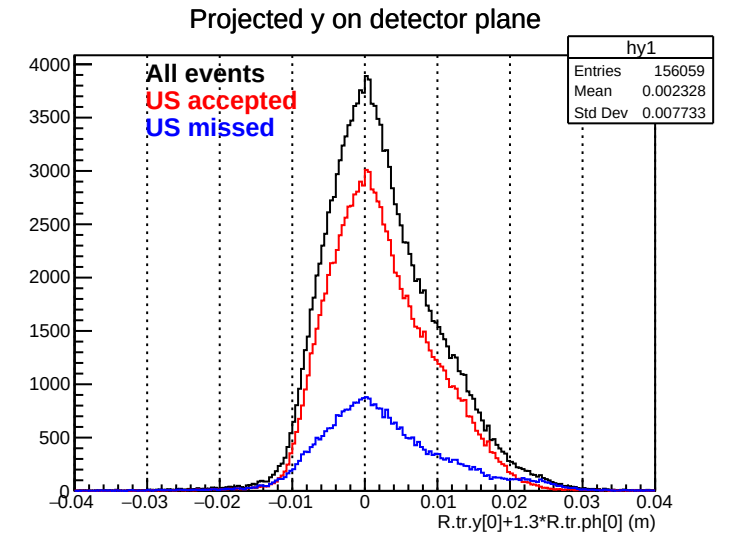

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 170189
Mean 0.5706
Std Dev 0.08577
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

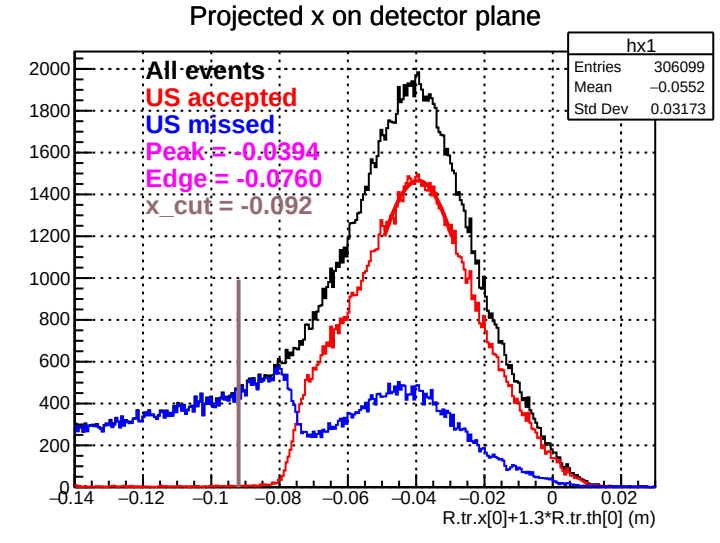

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 170189
Mean 0.5576
Std Dev 0.08204
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

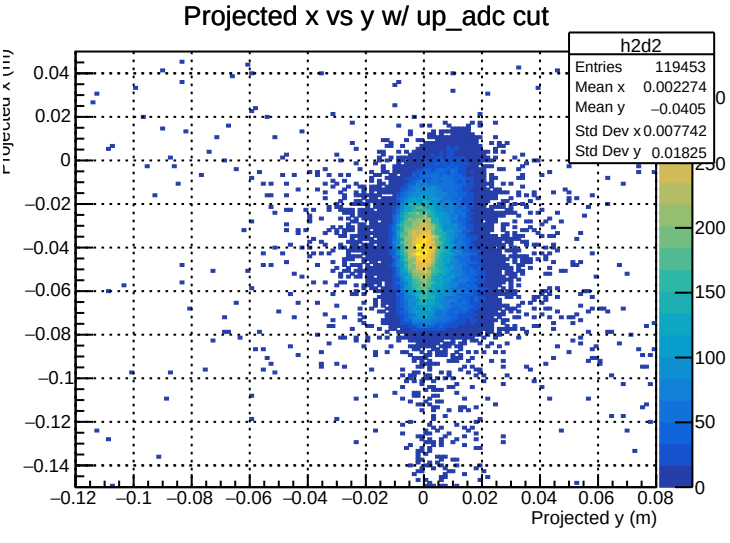

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 170189
Mean 0.006352
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

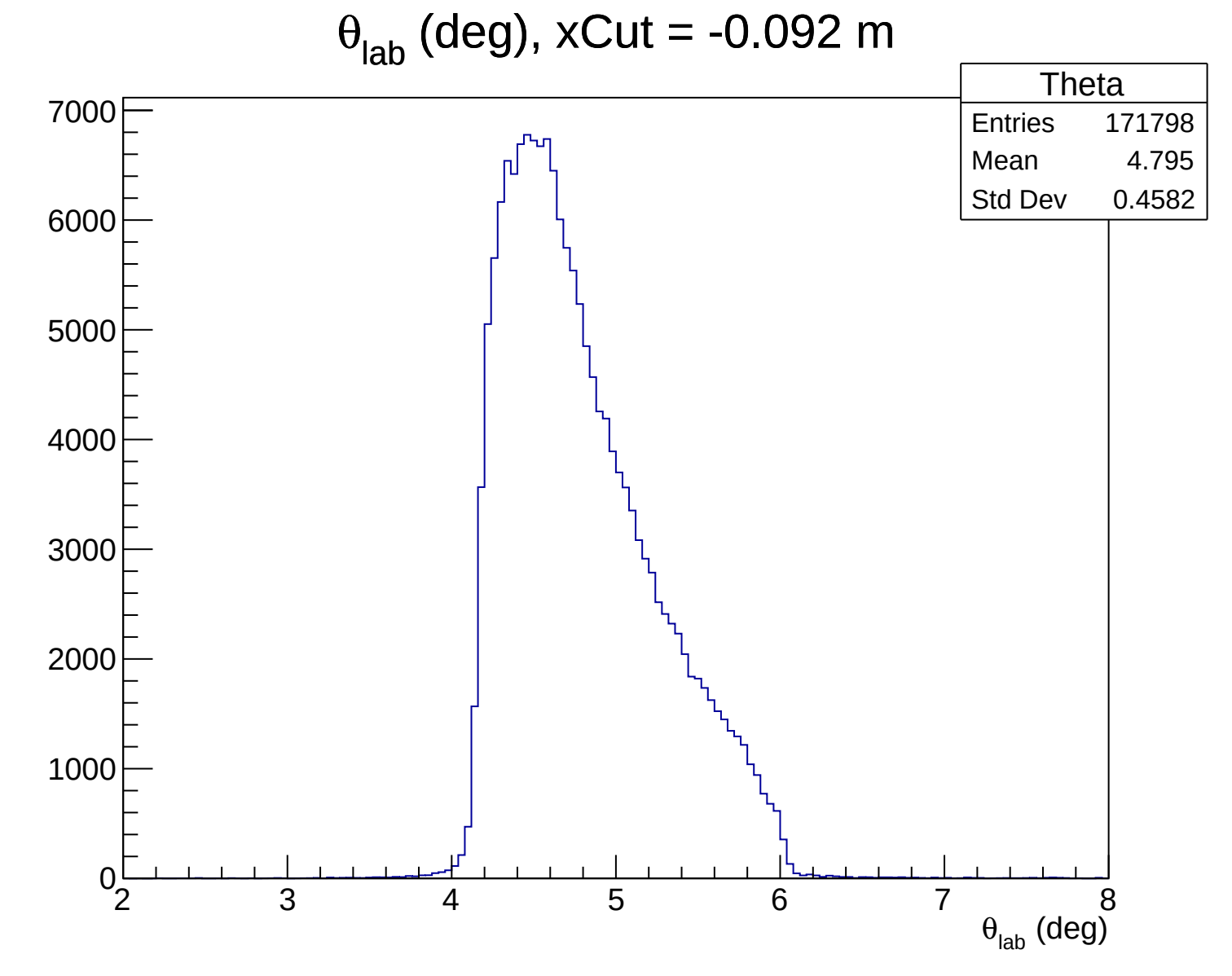

Sensitivity, xCut = -0.090 m
sens
Entries 170189
Mean 0.02232
Std Dev 0.003909
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

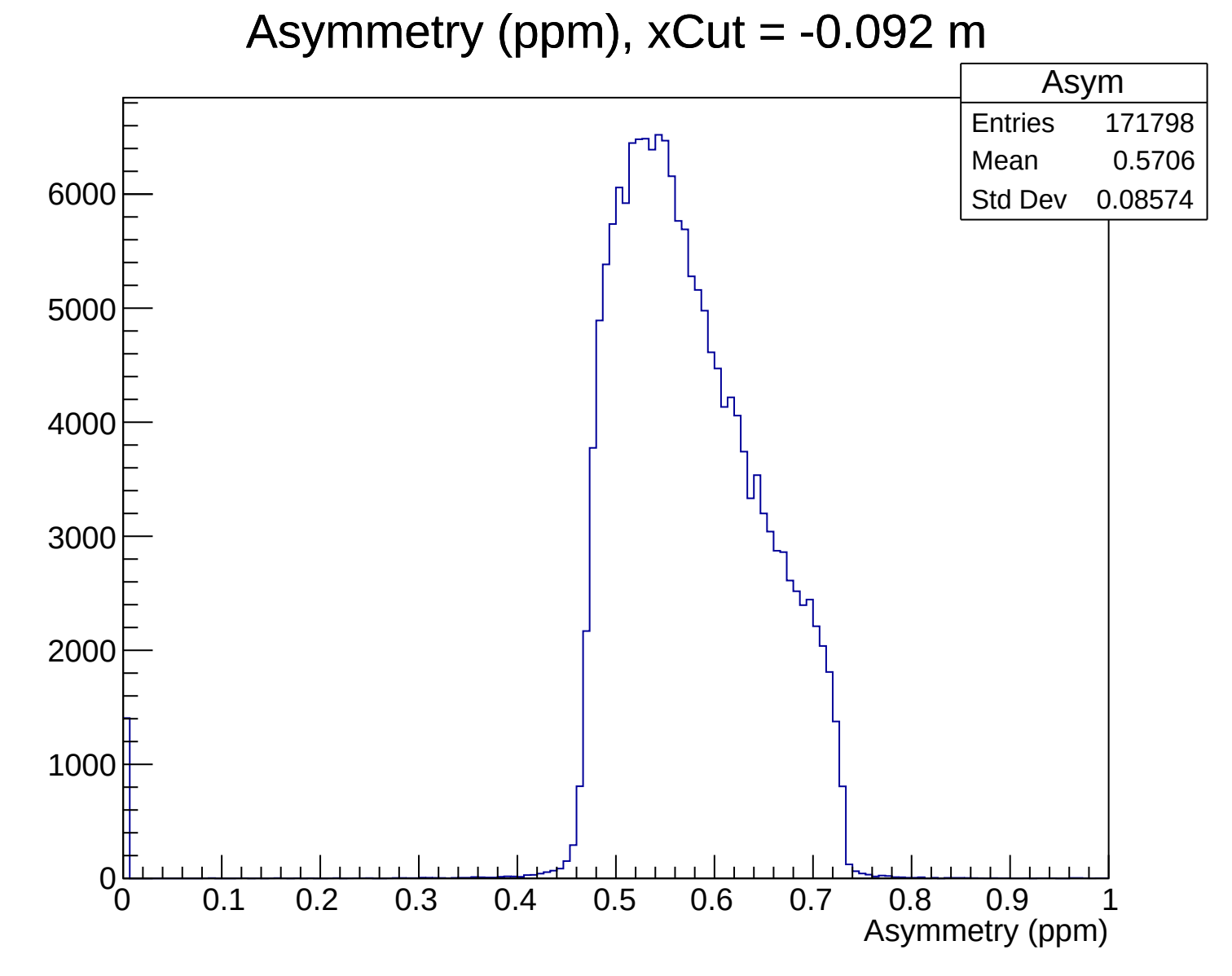

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

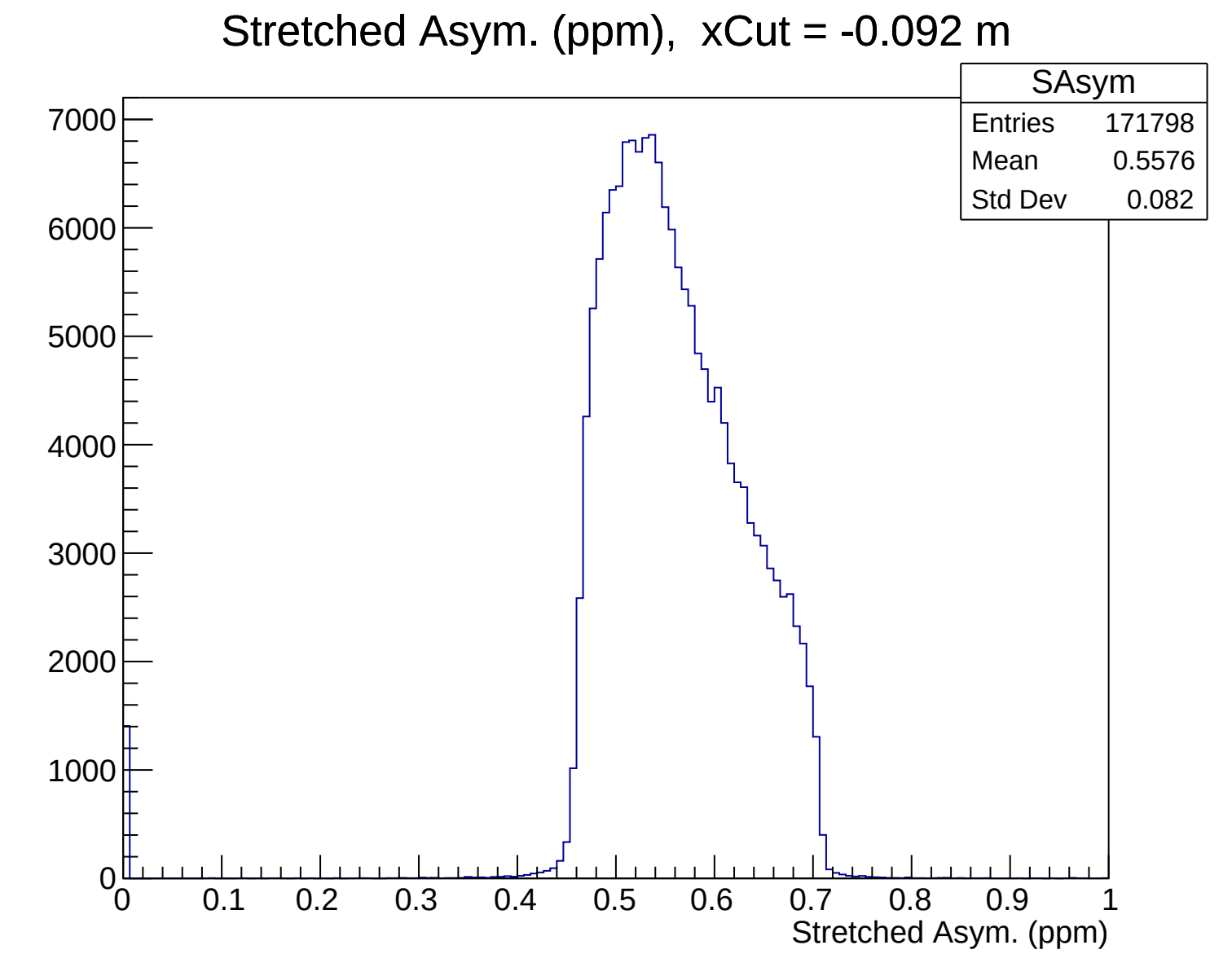

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

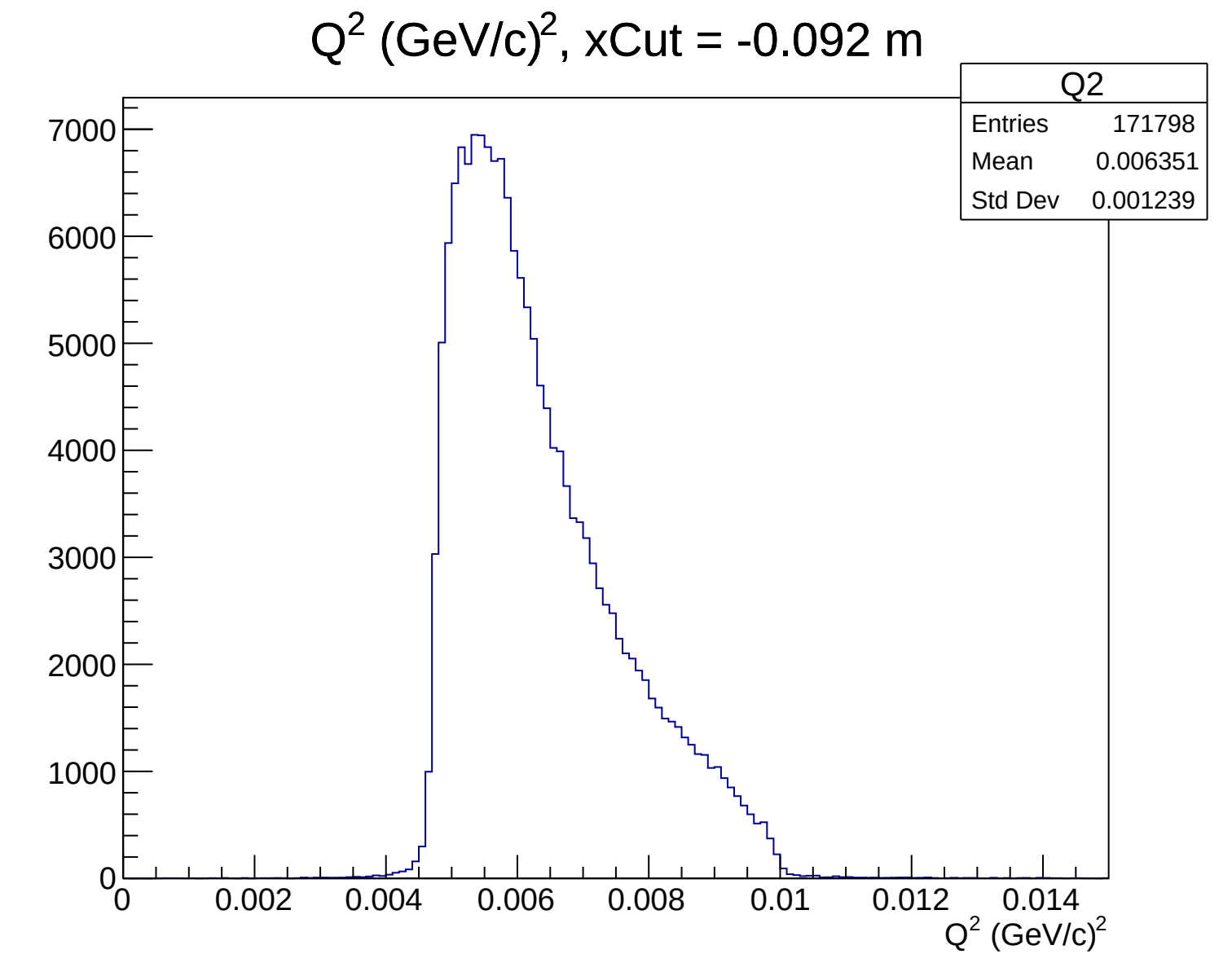

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.092
R.tr.x[0]+1.3*R.tr.th[0] (m)

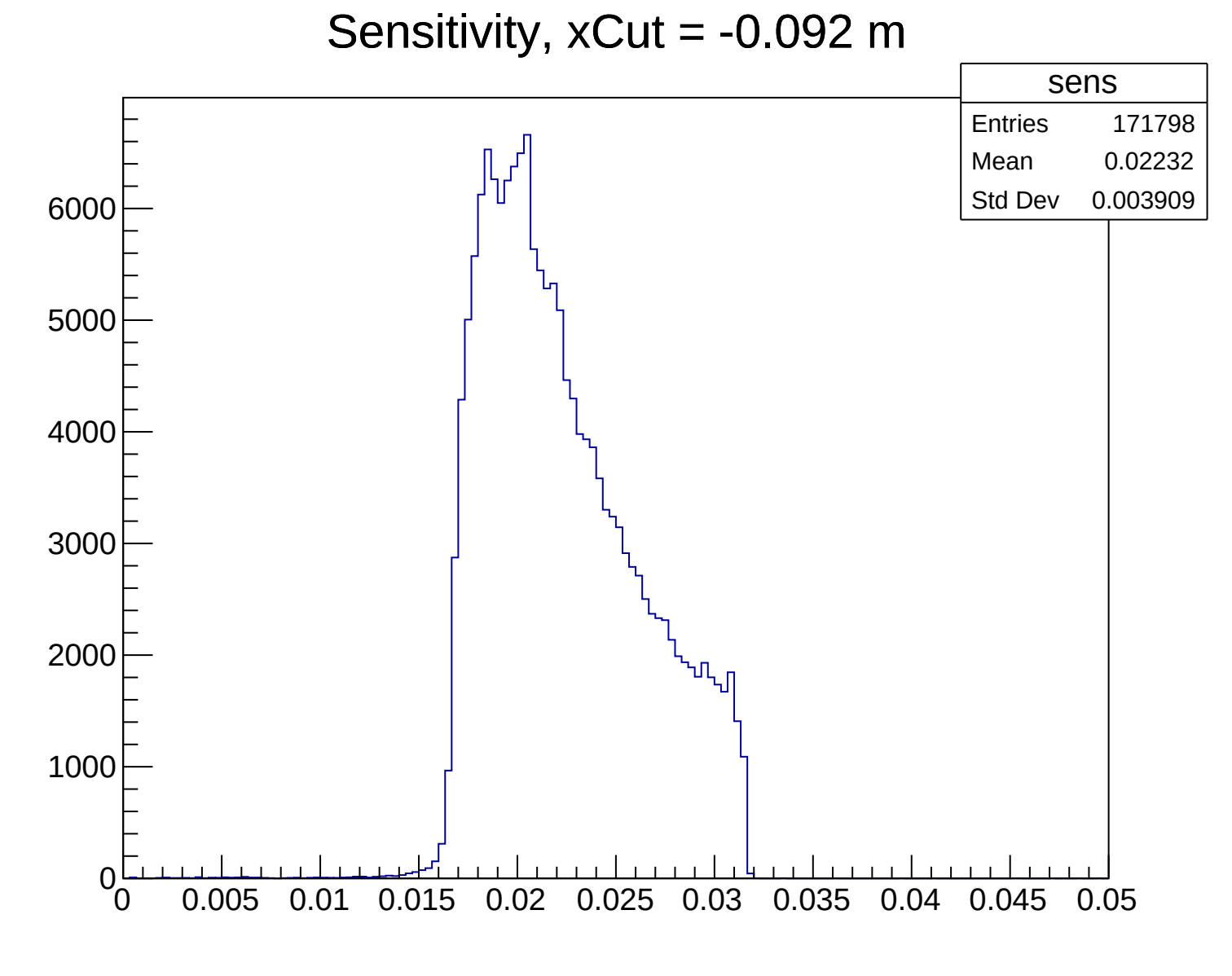

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

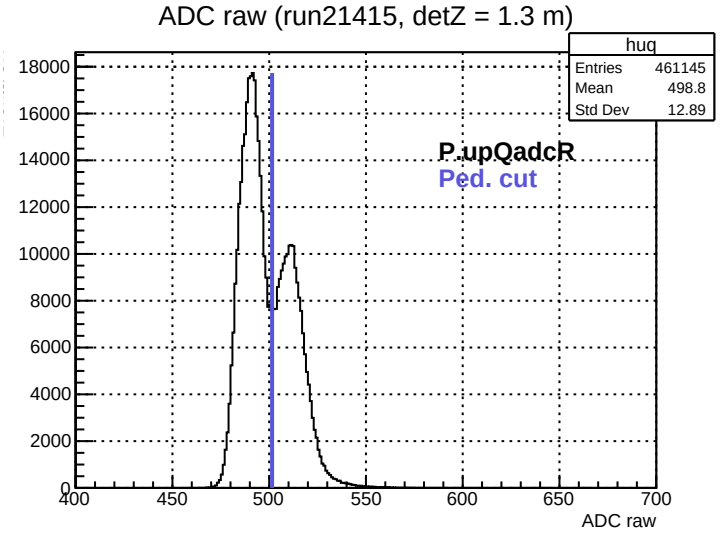

θlab (deg), xCut = -0.092 m
Theta
Entries 171798
Mean 4.795
Std Dev 0.4582
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

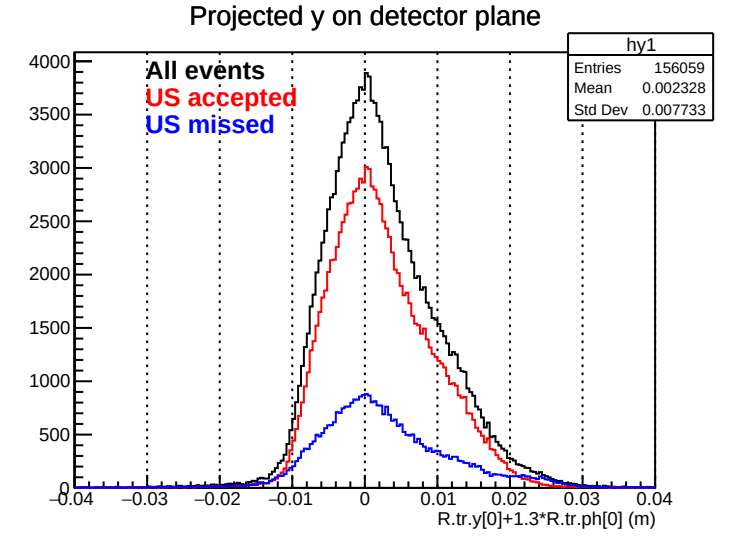

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 171798
Mean 0.5706
Std Dev 0.08574
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

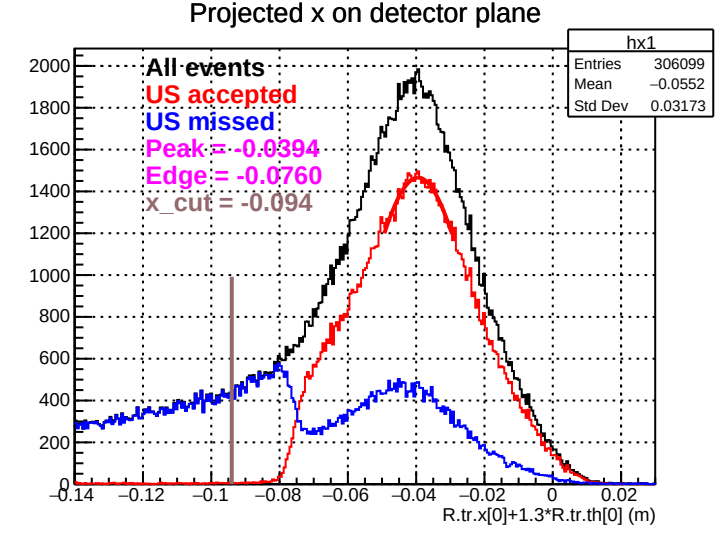

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 171798
Mean 0.5576
Std Dev 0.082
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

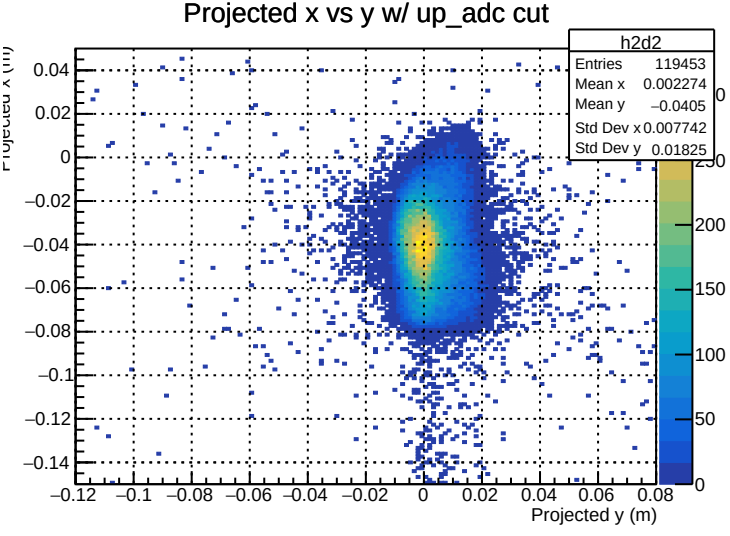

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 171798
Mean 0.006351
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

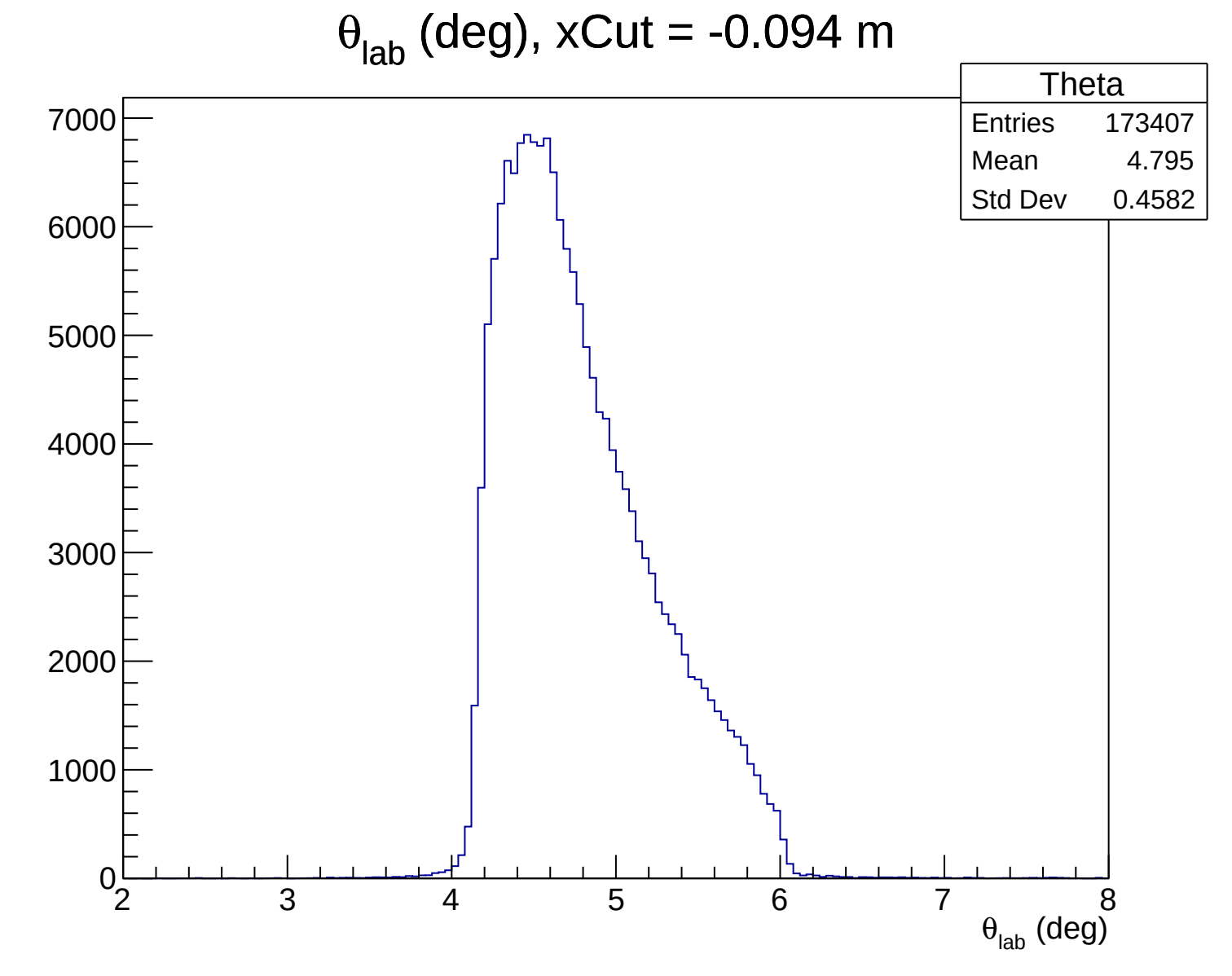

Sensitivity, xCut = -0.092 m
sens
Entries 171798
Mean 0.02232
Std Dev 0.003909
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

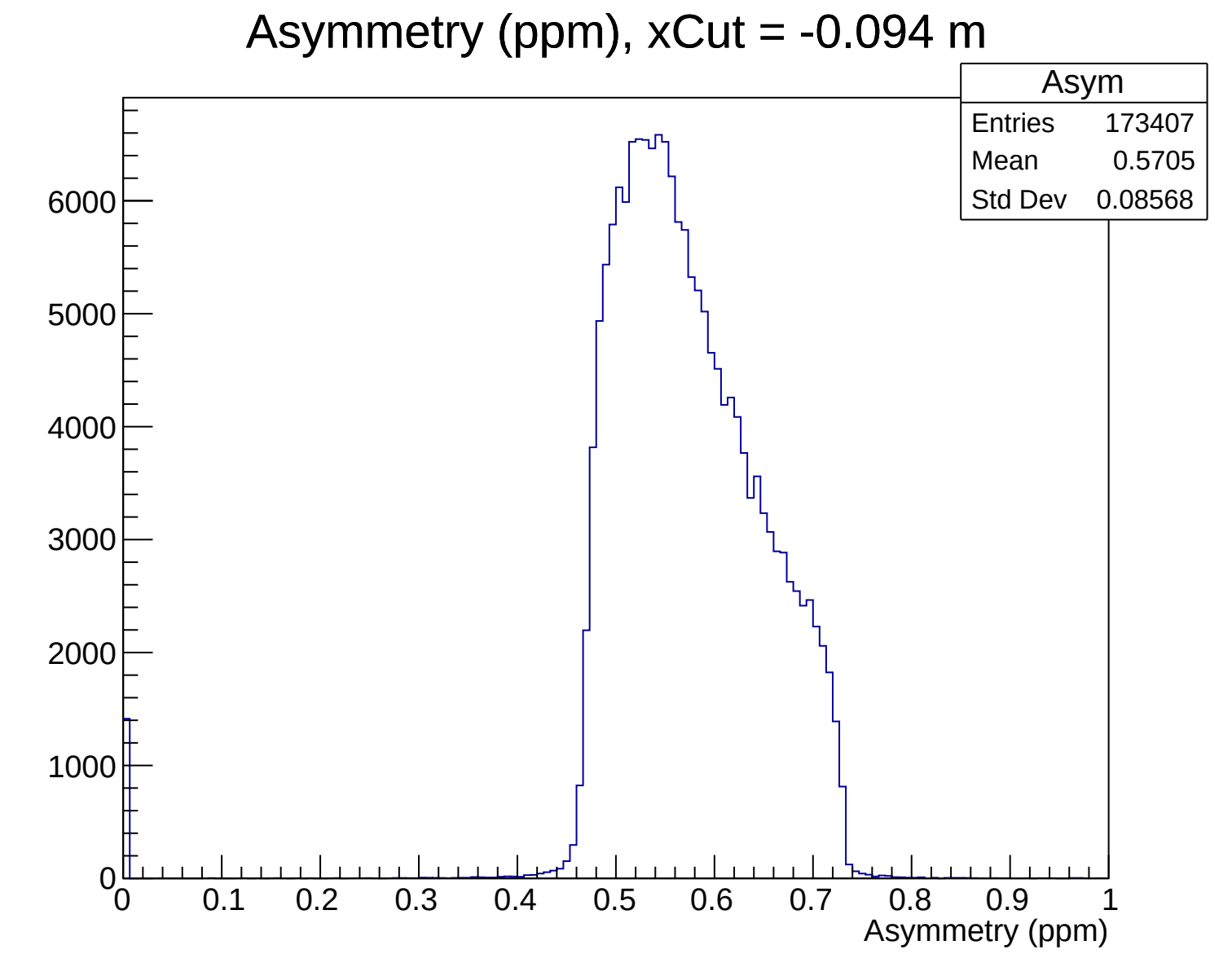

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

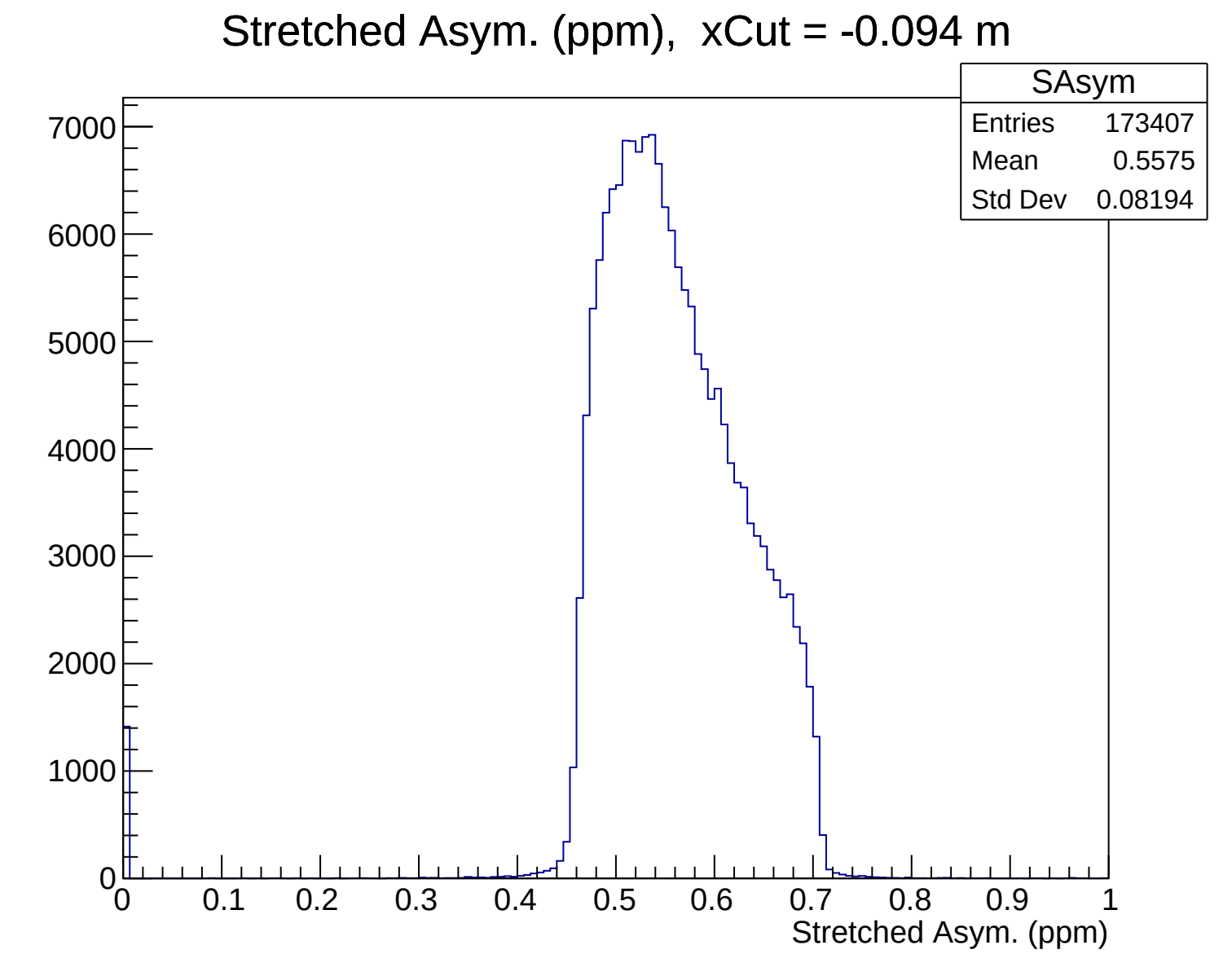

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

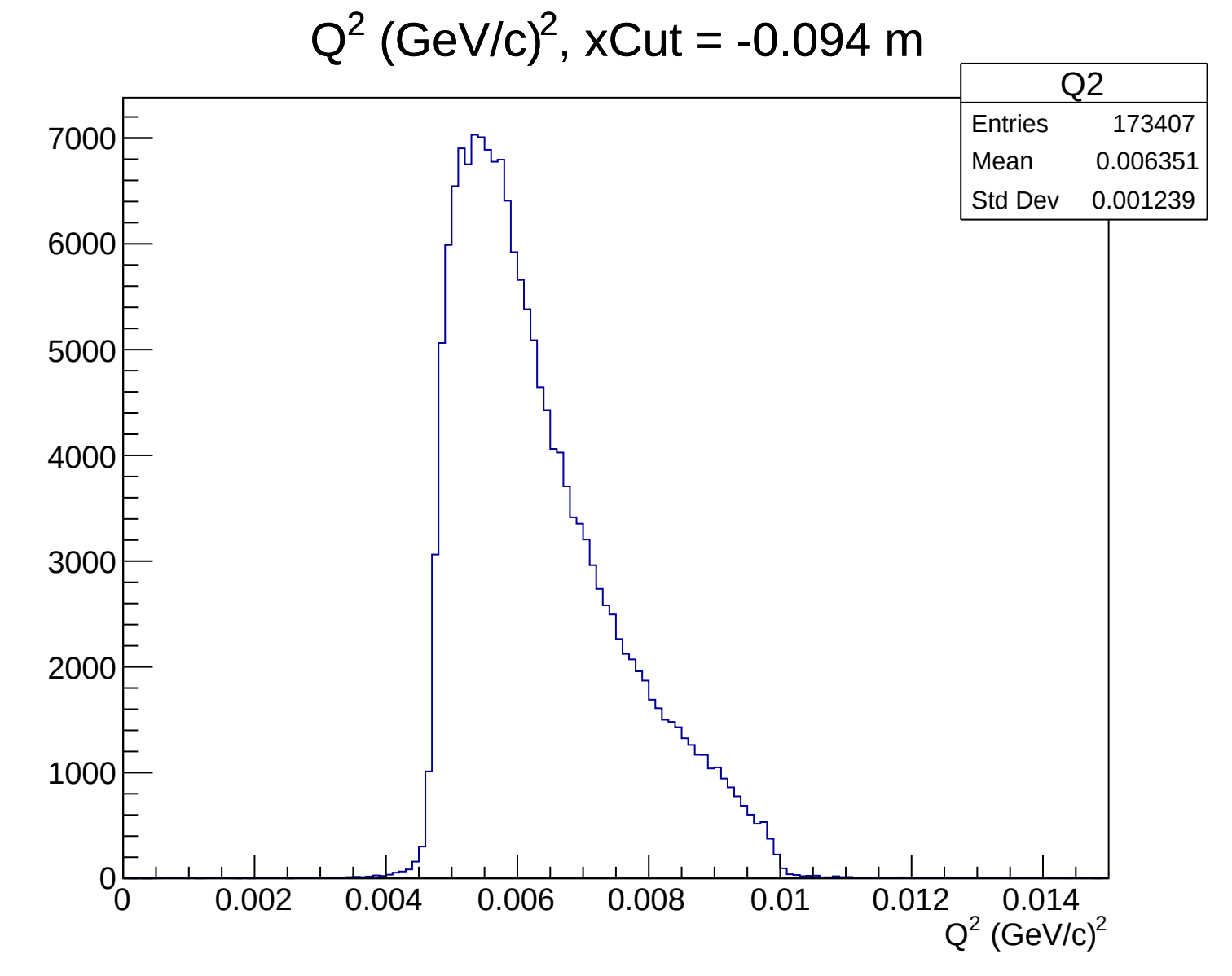

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.094
R.tr.x[0]+1.3*R.tr.th[0] (m)

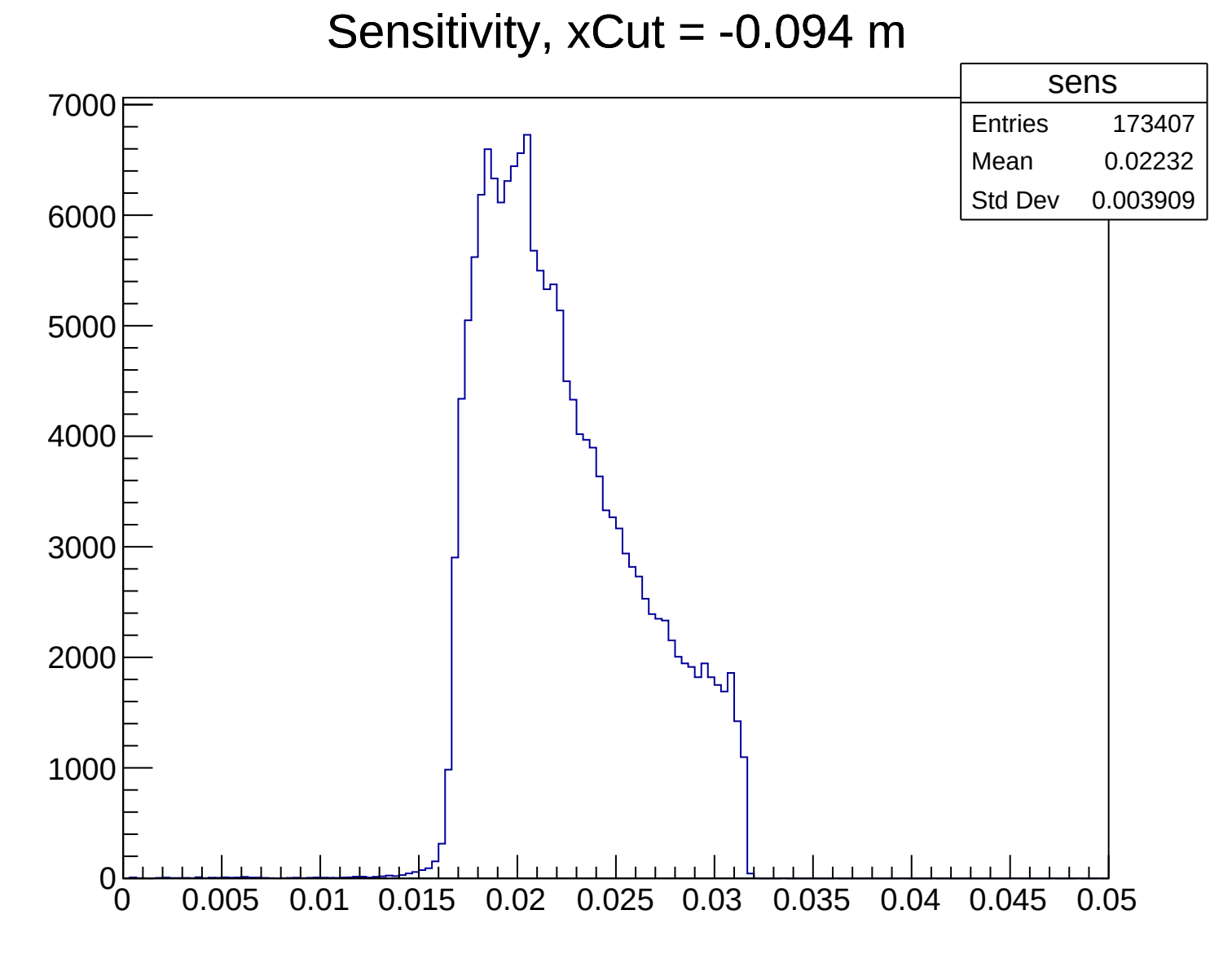

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

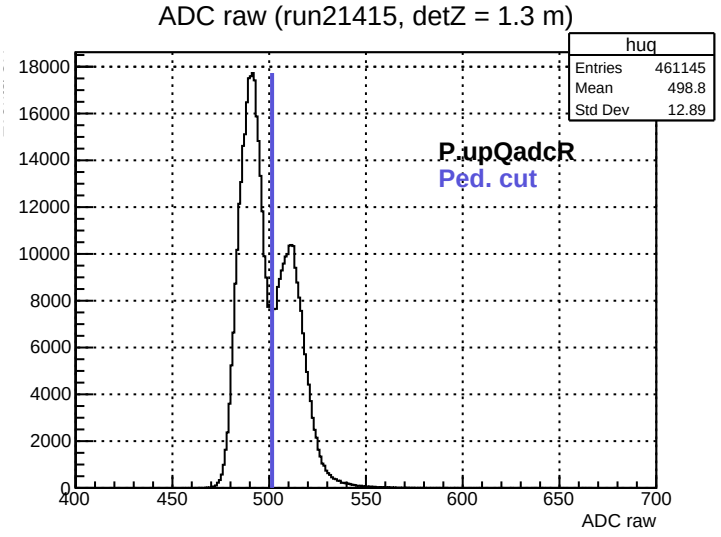

θlab (deg), xCut = -0.094 m
Theta
Entries 173407
Mean 4.795
Std Dev 0.4582
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

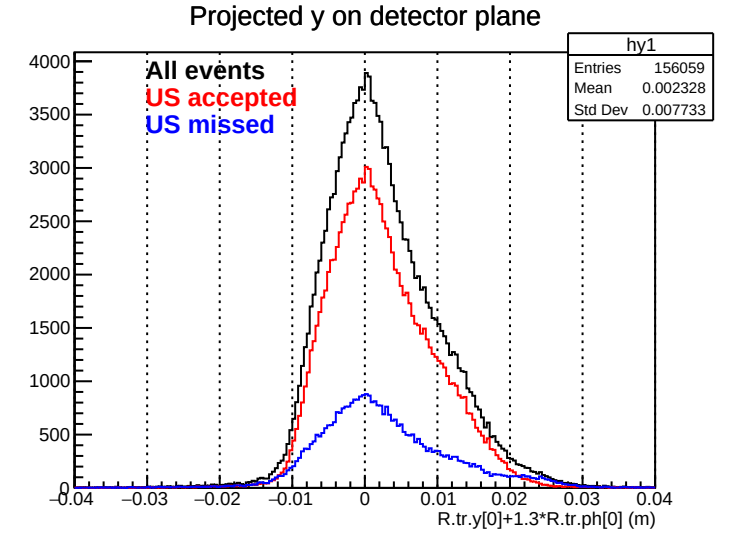

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 173407
Mean 0.5705
Std Dev 0.08568
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

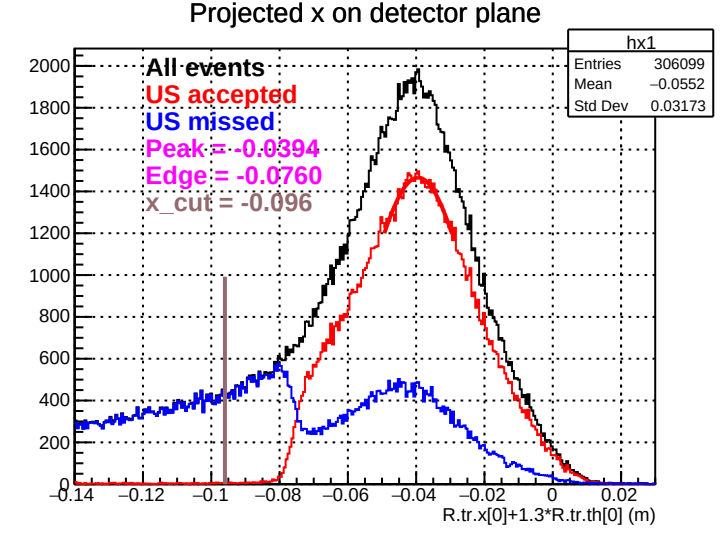

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 173407
Mean 0.5575
Std Dev 0.08194
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

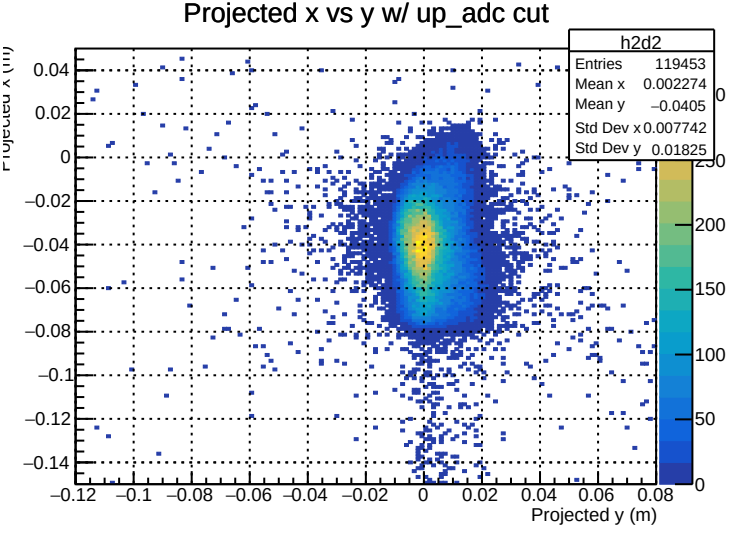

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 173407
Mean 0.006351
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

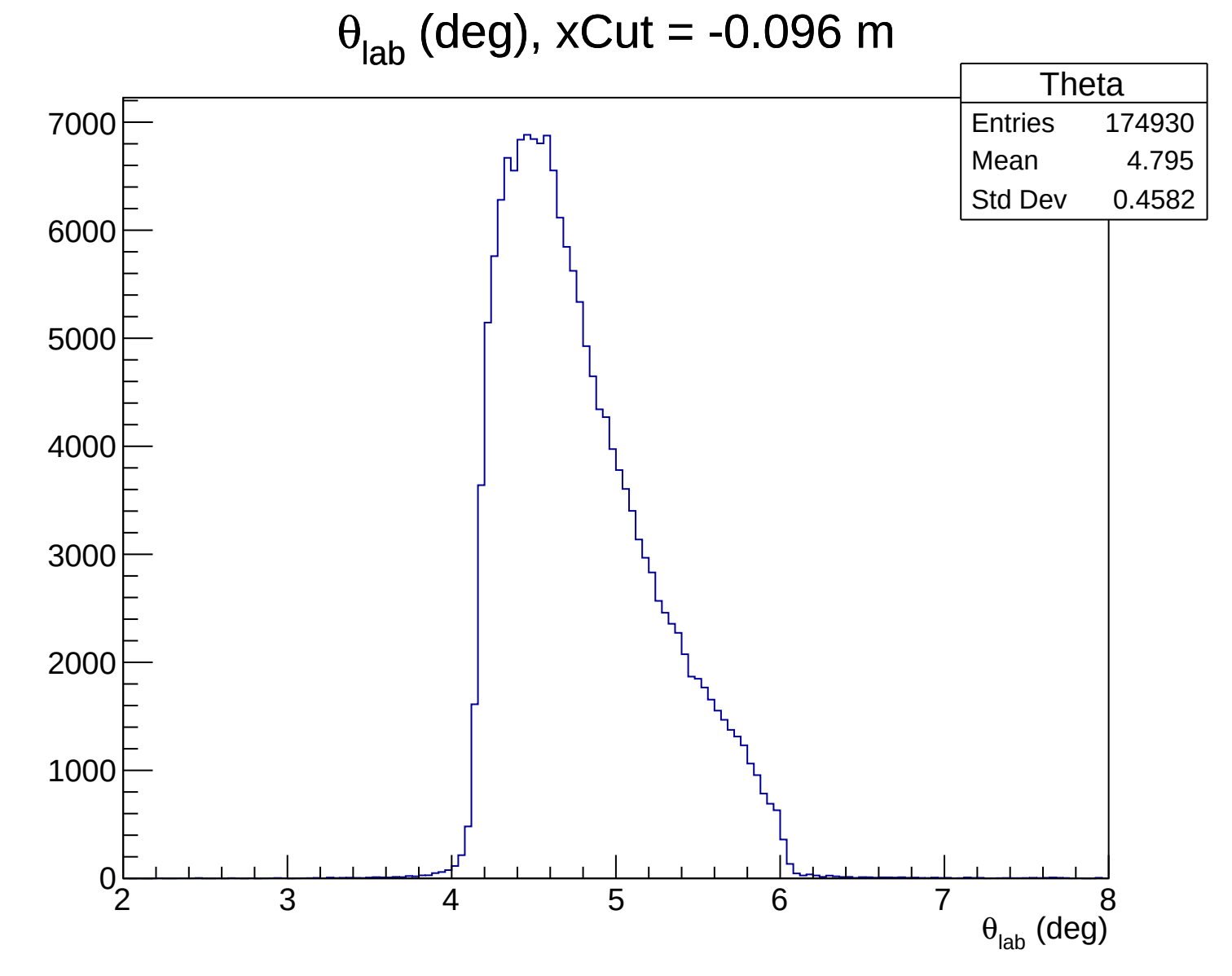

Sensitivity, xCut = -0.094 m
sens
Entries 173407
Mean 0.02232
Std Dev 0.003909
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

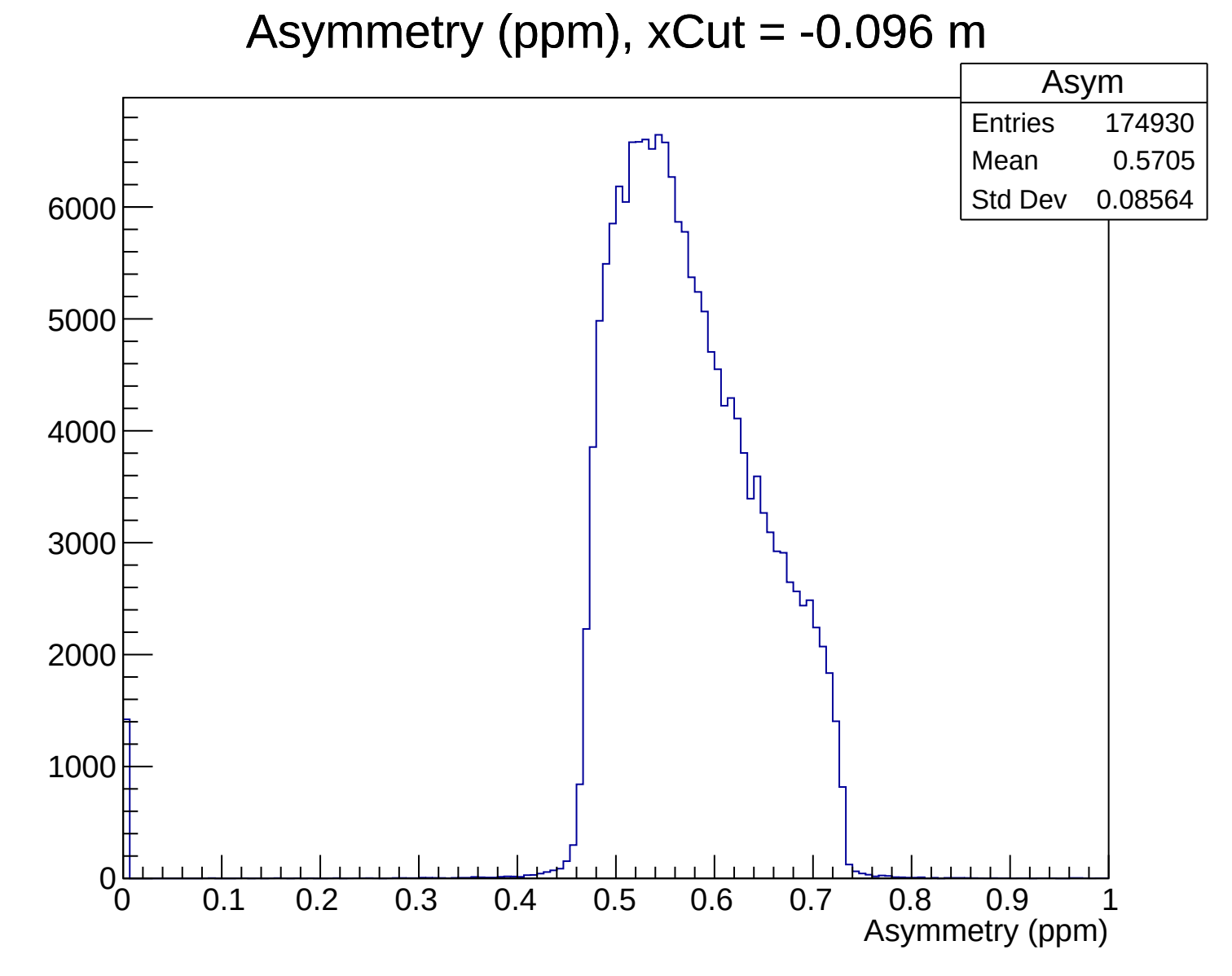

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

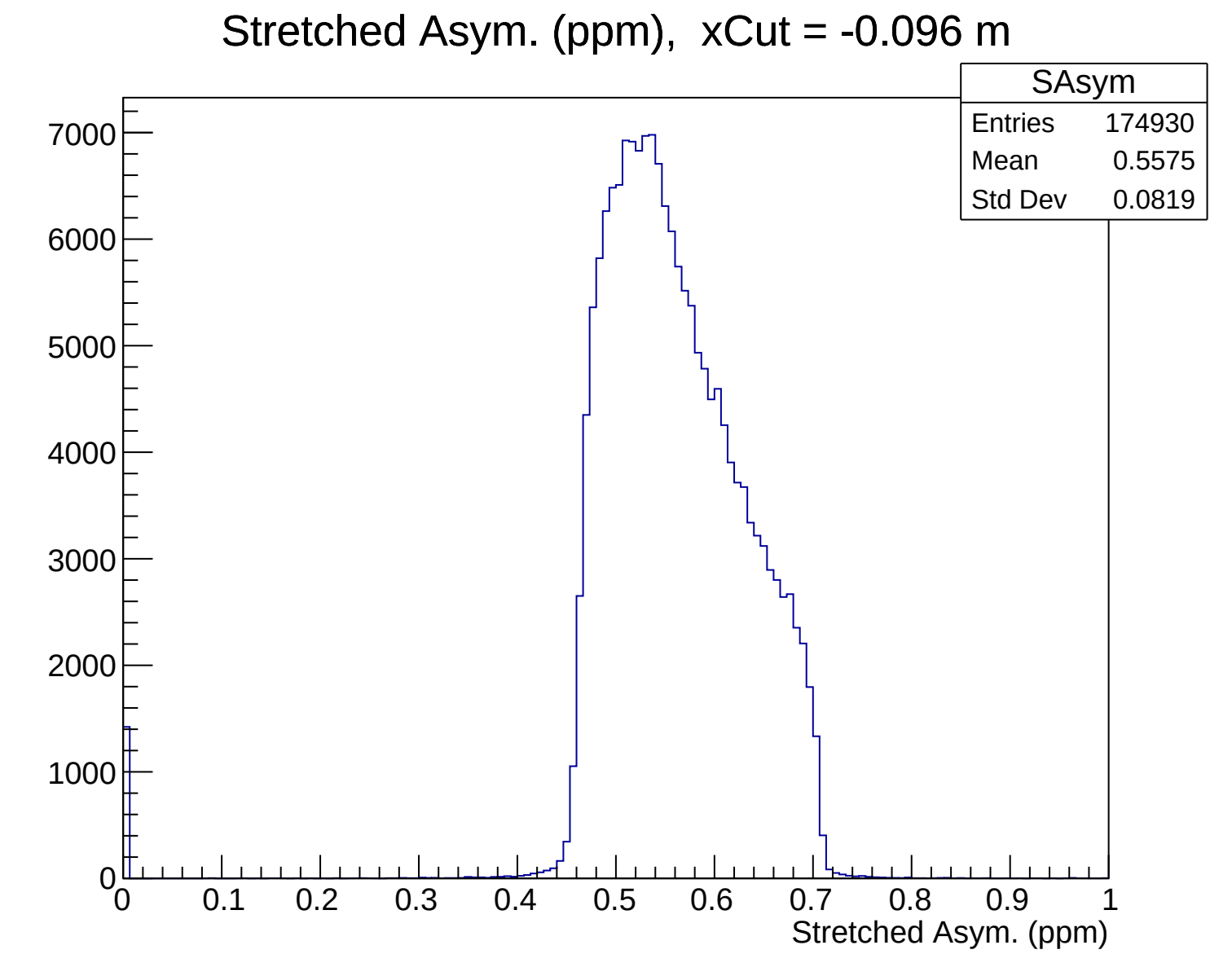

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

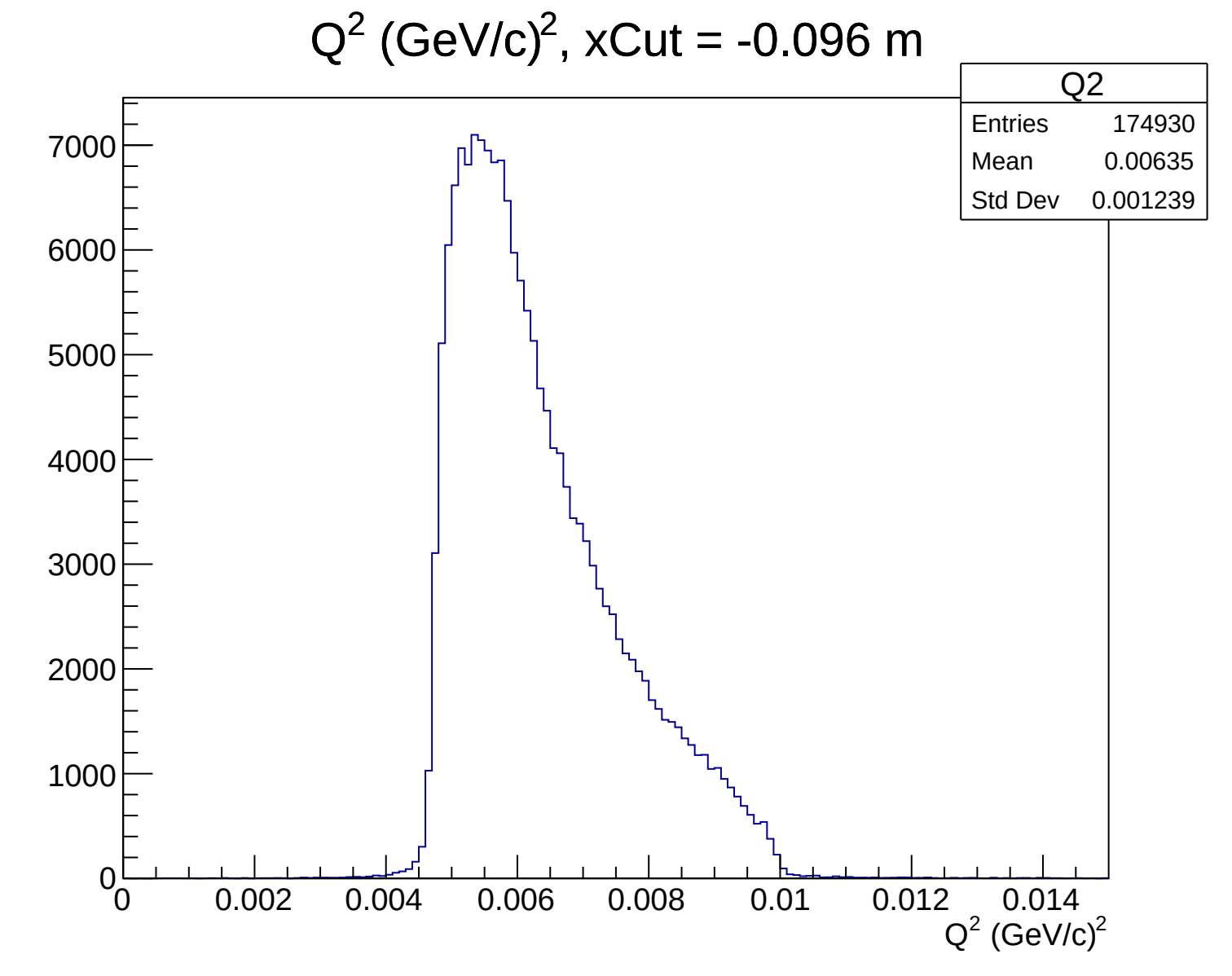

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.096
R.tr.x[0]+1.3*R.tr.th[0] (m)

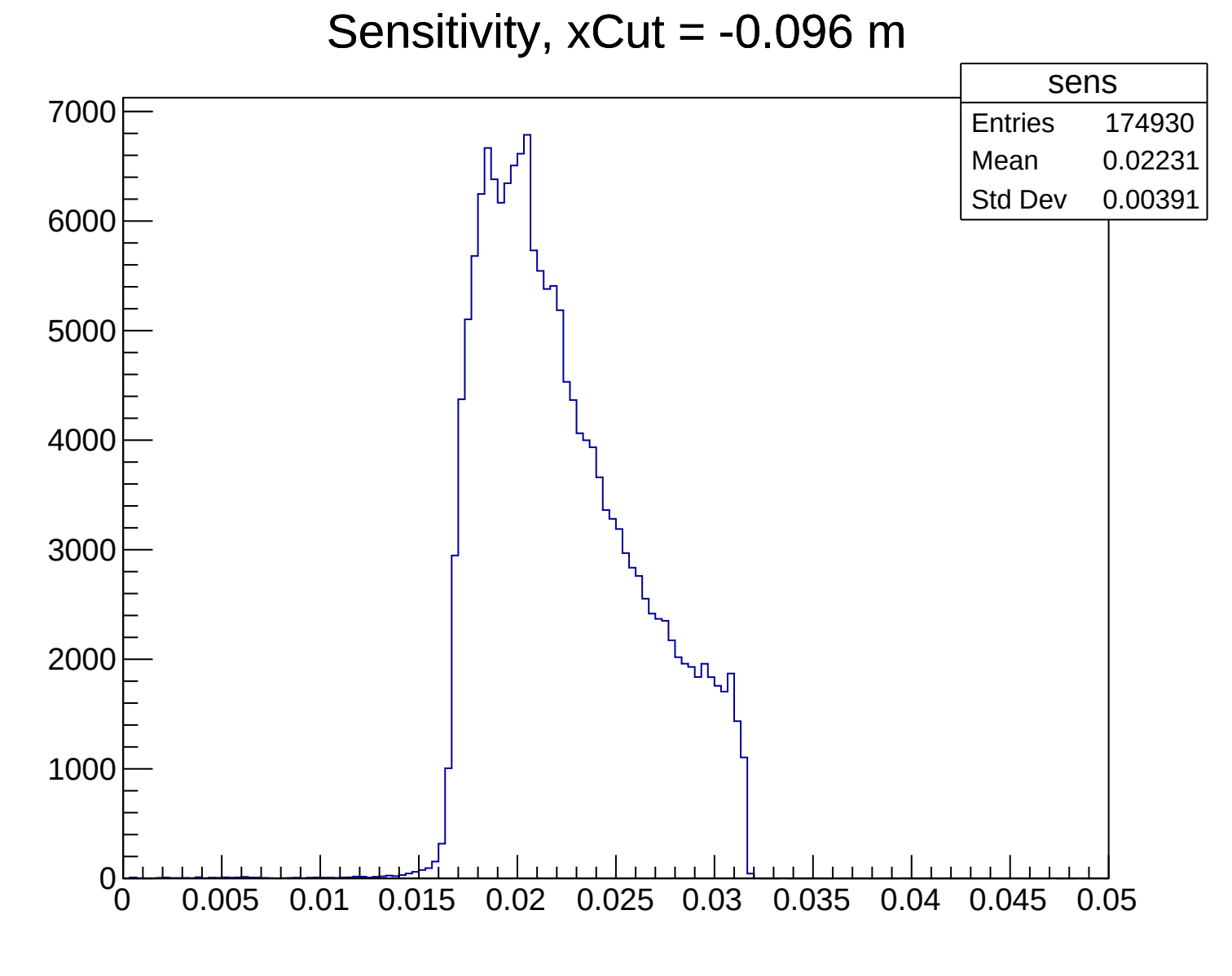

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

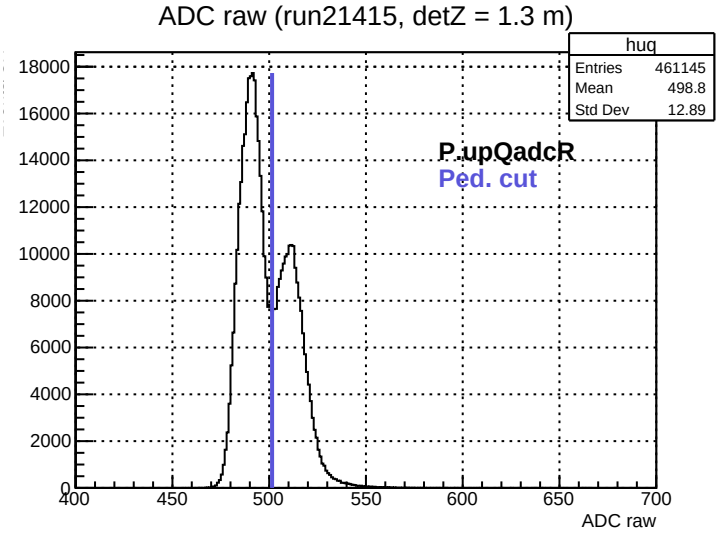

θlab (deg), xCut = -0.096 m
Theta
Entries 174930
Mean 4.795
Std Dev 0.4582
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

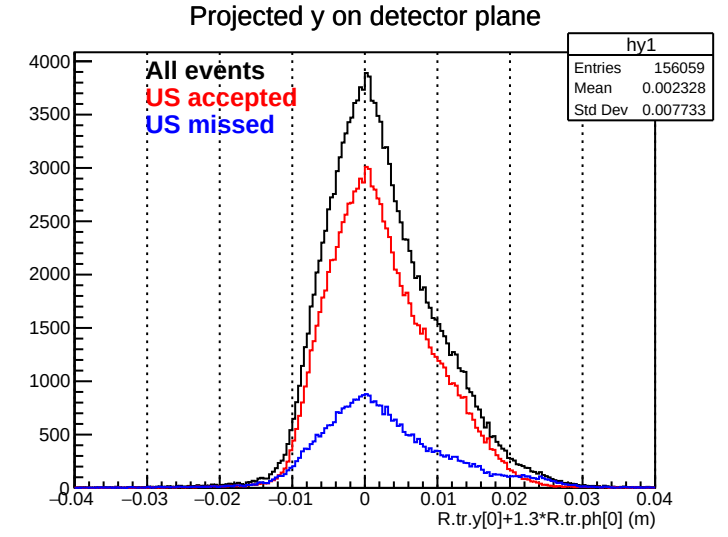

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 174930
Mean 0.5705
Std Dev 0.08564
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

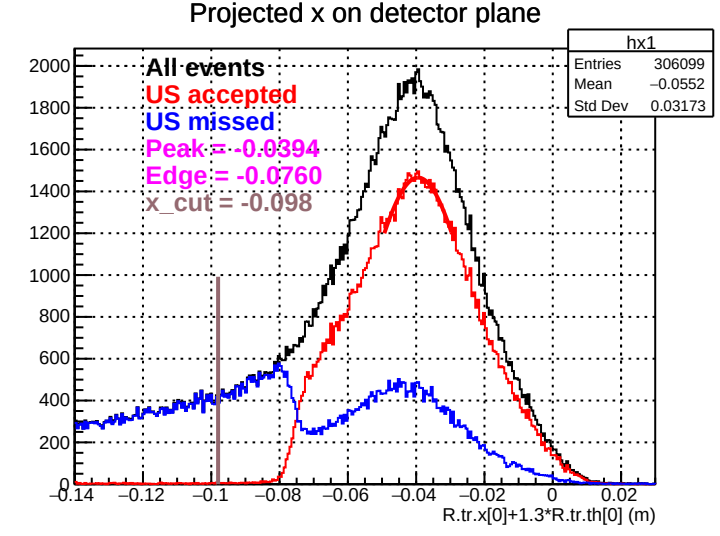

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 174930
Mean 0.5575
Std Dev 0.0819
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

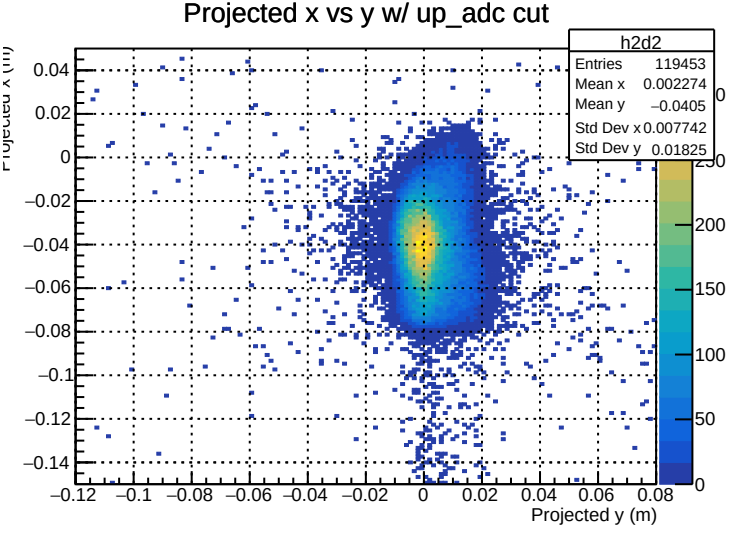

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 174930
Mean 0.00635
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

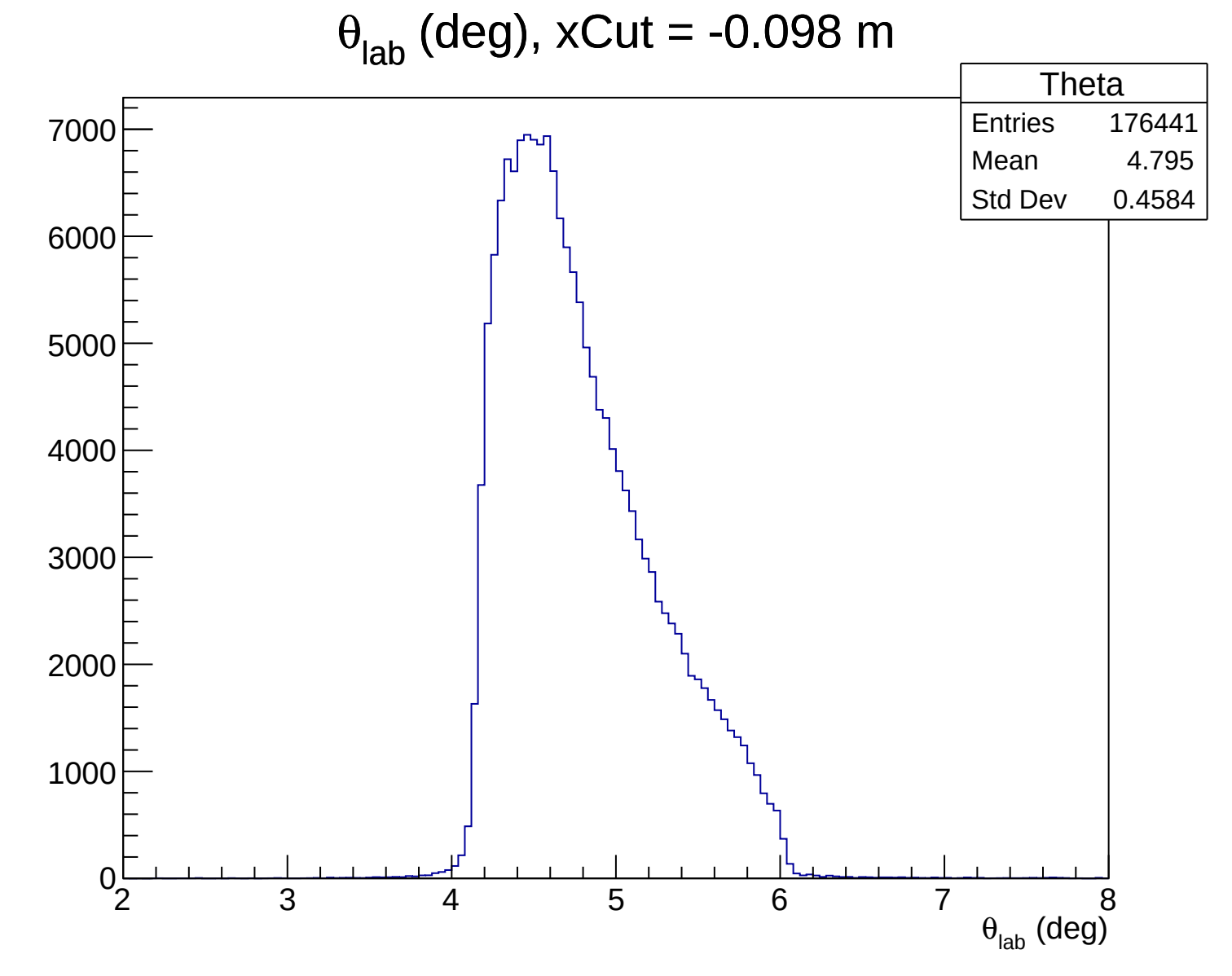

Sensitivity, xCut = -0.096 m
sens
Entries 174930
Mean 0.02231
Std Dev 0.00391
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

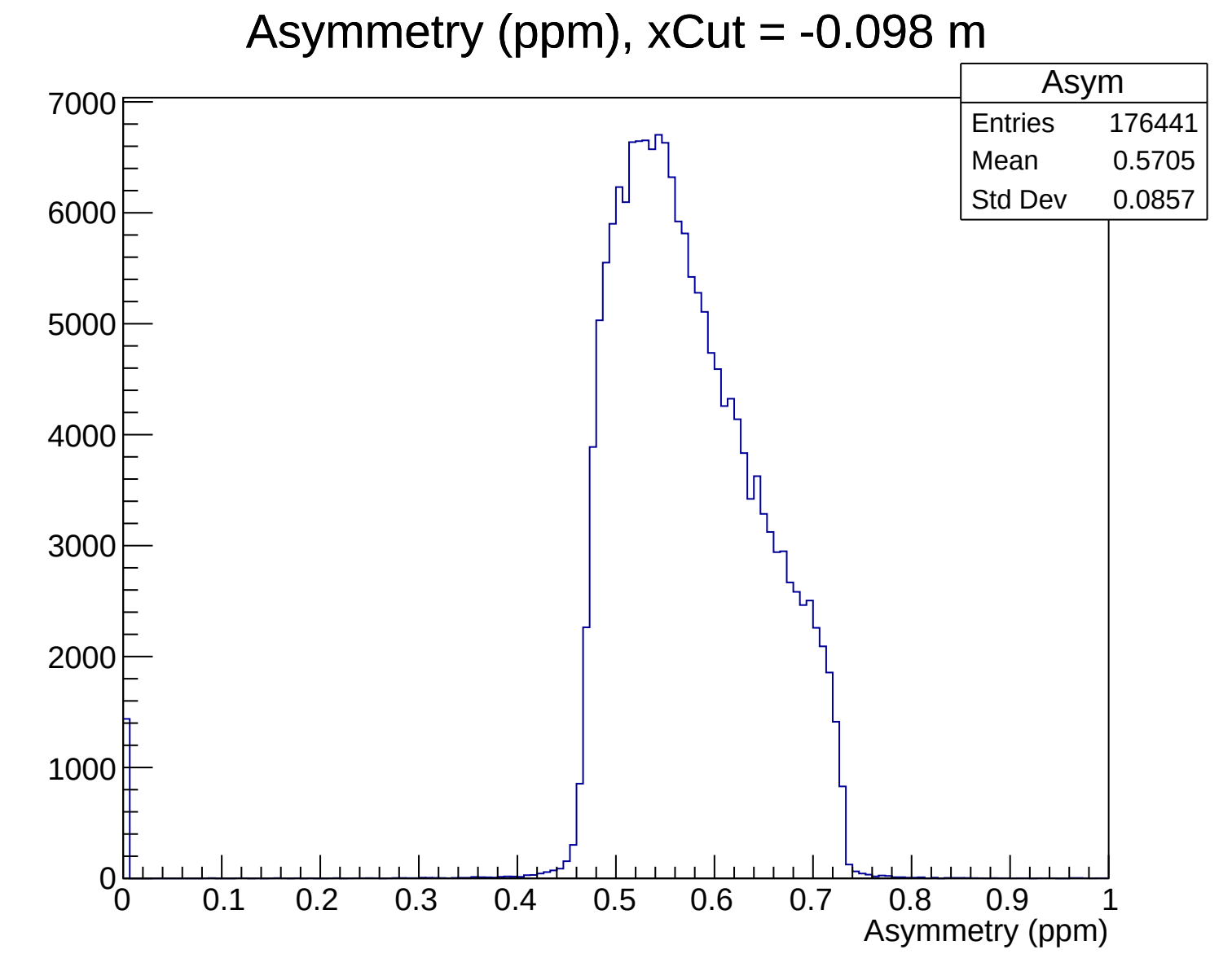

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

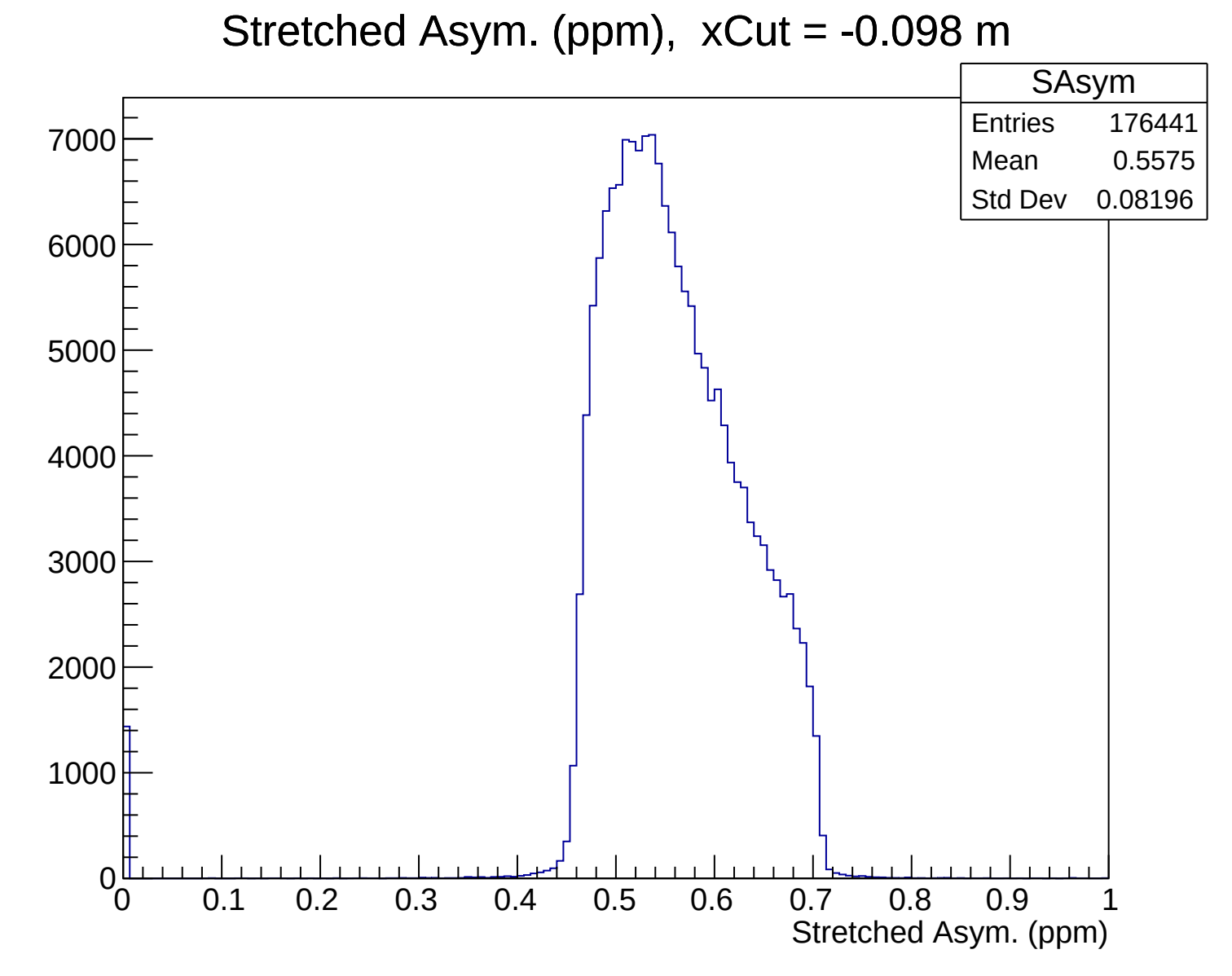

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

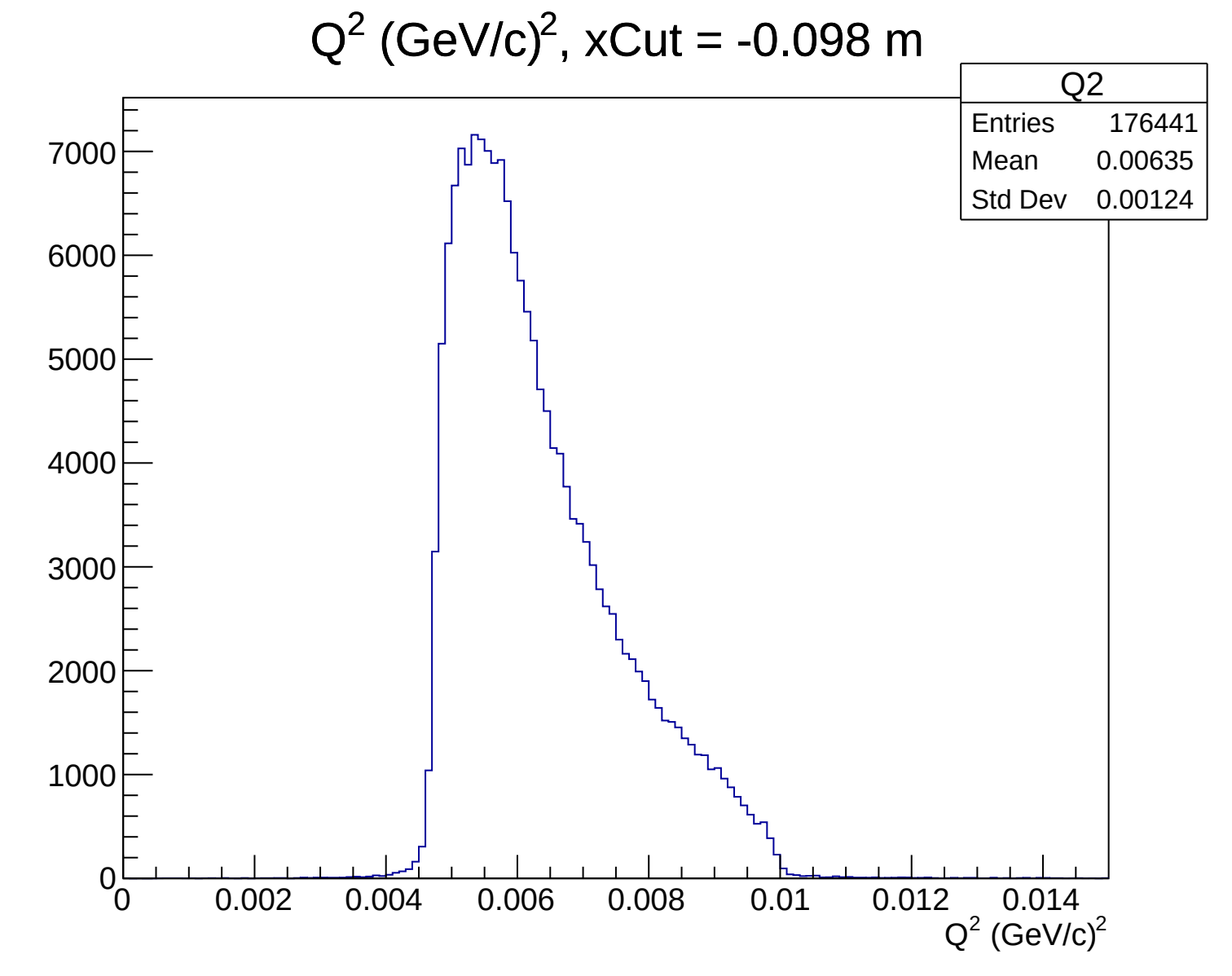

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.098
R.tr.x[0]+1.3*R.tr.th[0] (m)

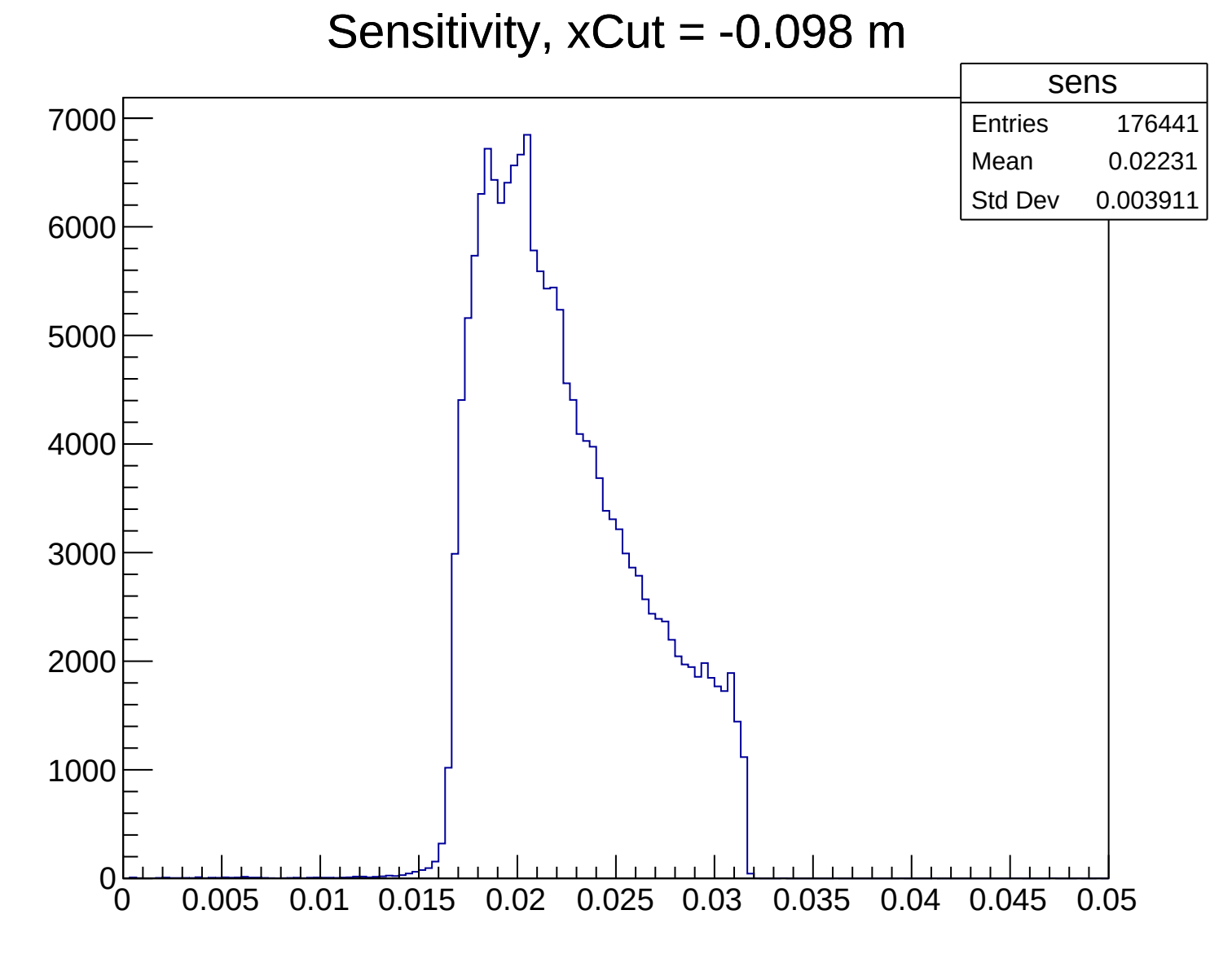

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

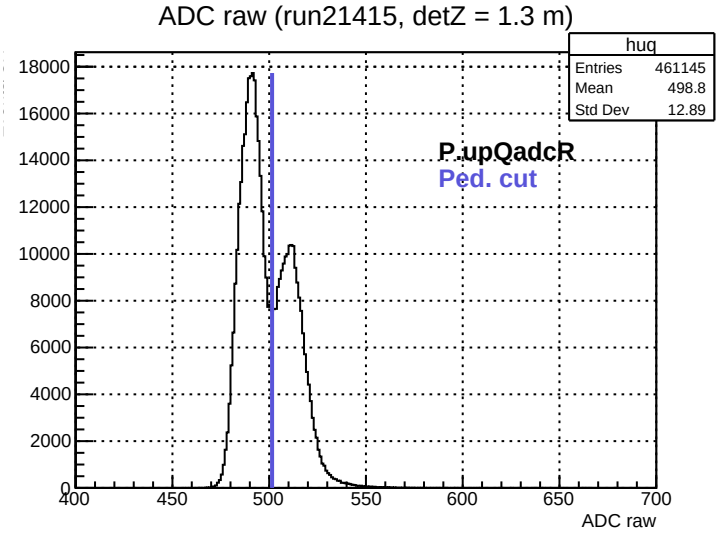

θlab (deg), xCut = -0.098 m
Theta
Entries 176441
Mean 4.795
Std Dev 0.4584
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

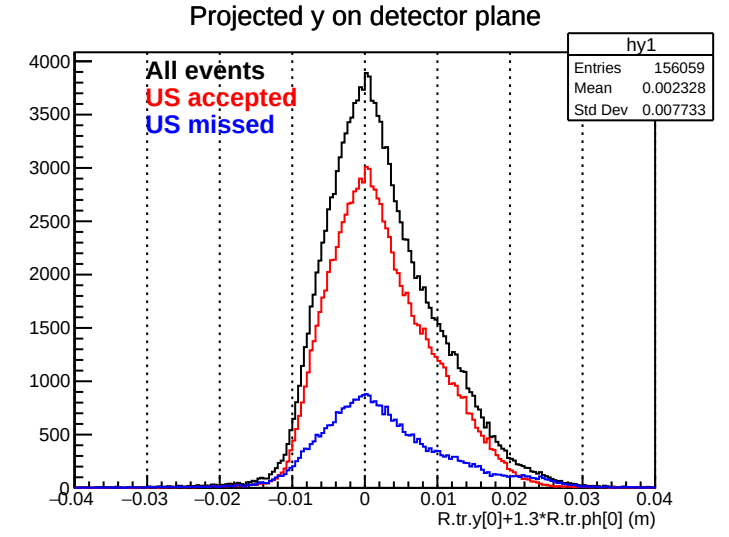

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 176441
Mean 0.5705
Std Dev 0.0857
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

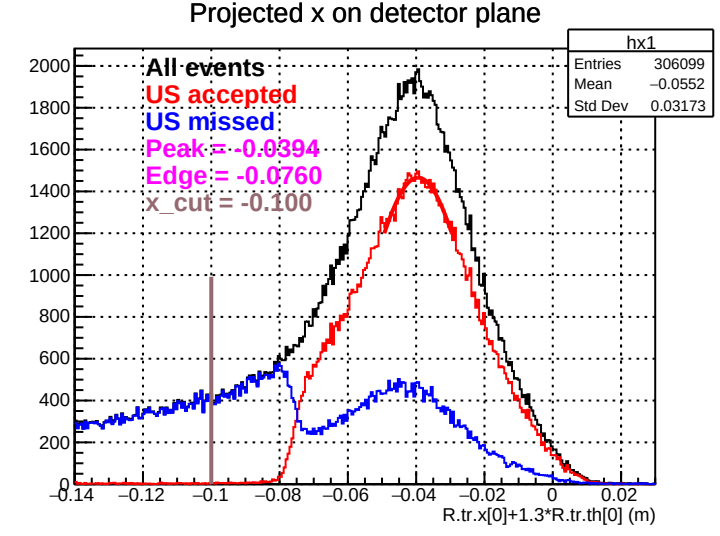

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 176441
Mean 0.5575
Std Dev 0.08196
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

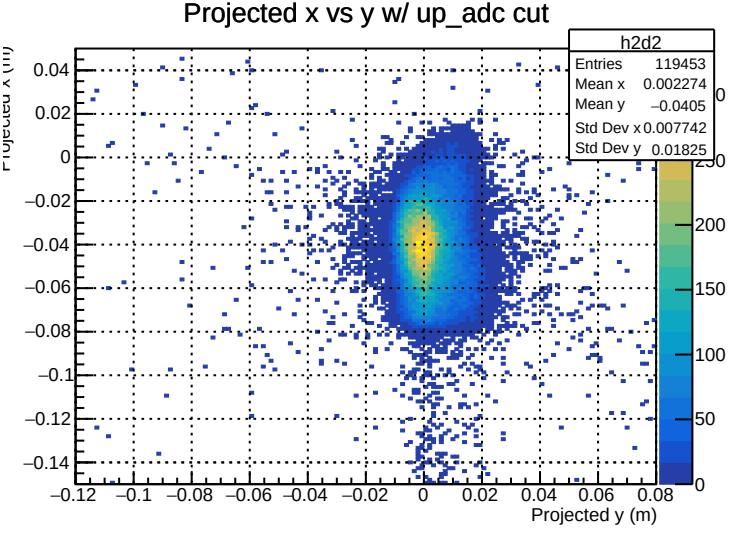

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 176441
Mean 0.00635
Std Dev 0.00124
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

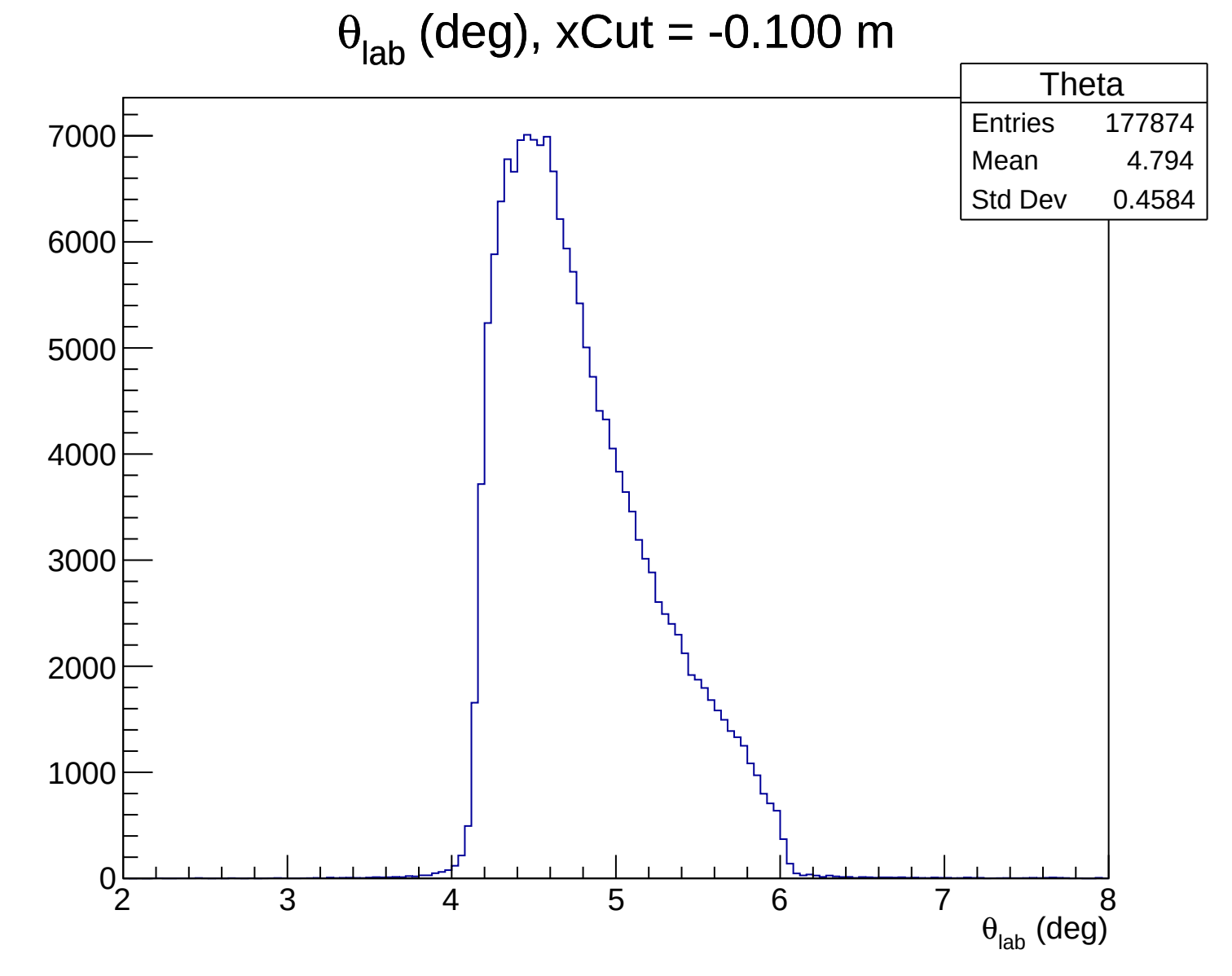

Sensitivity, xCut = -0.098 m
sens
Entries 176441
Mean 0.02231
Std Dev 0.003911
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

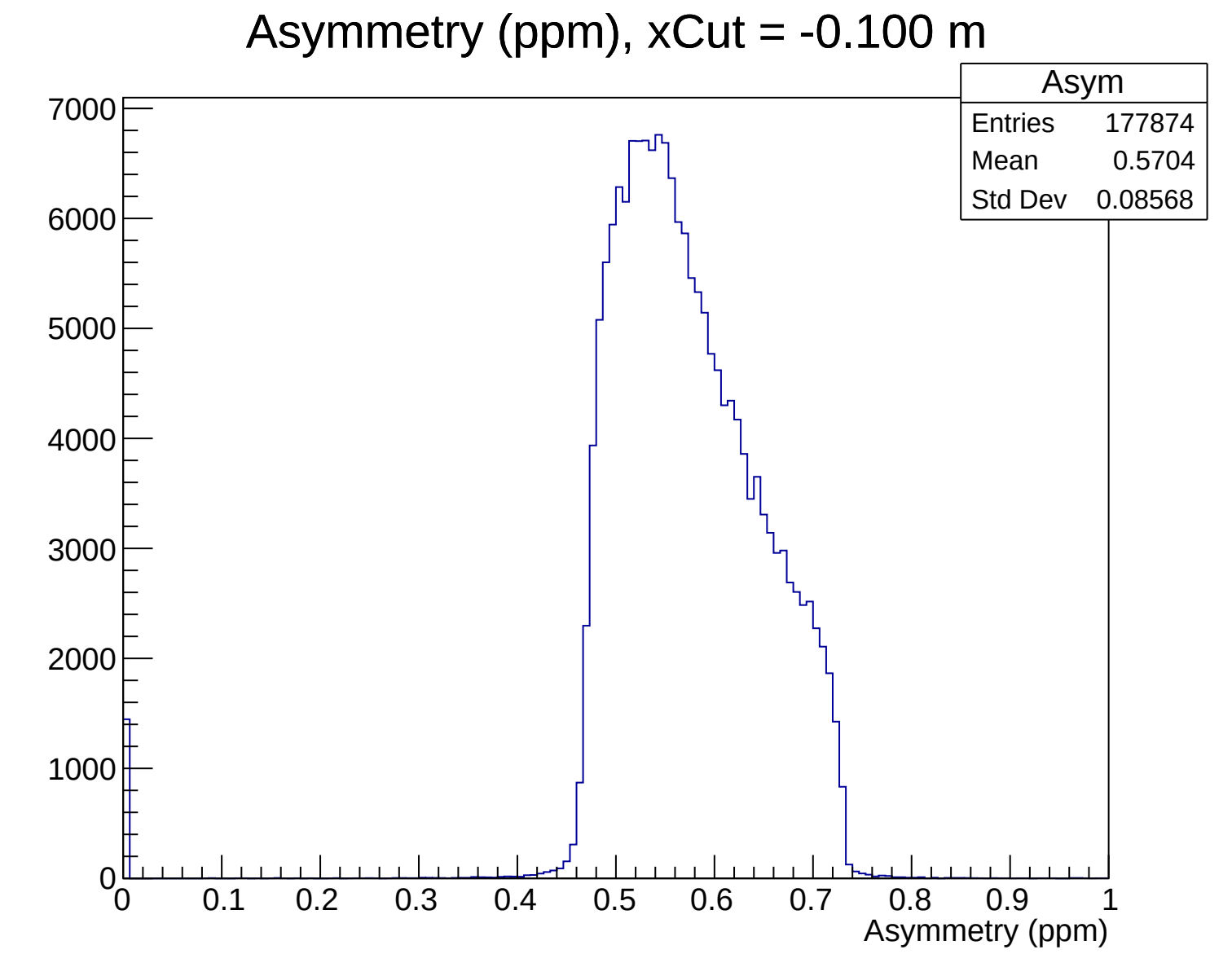

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

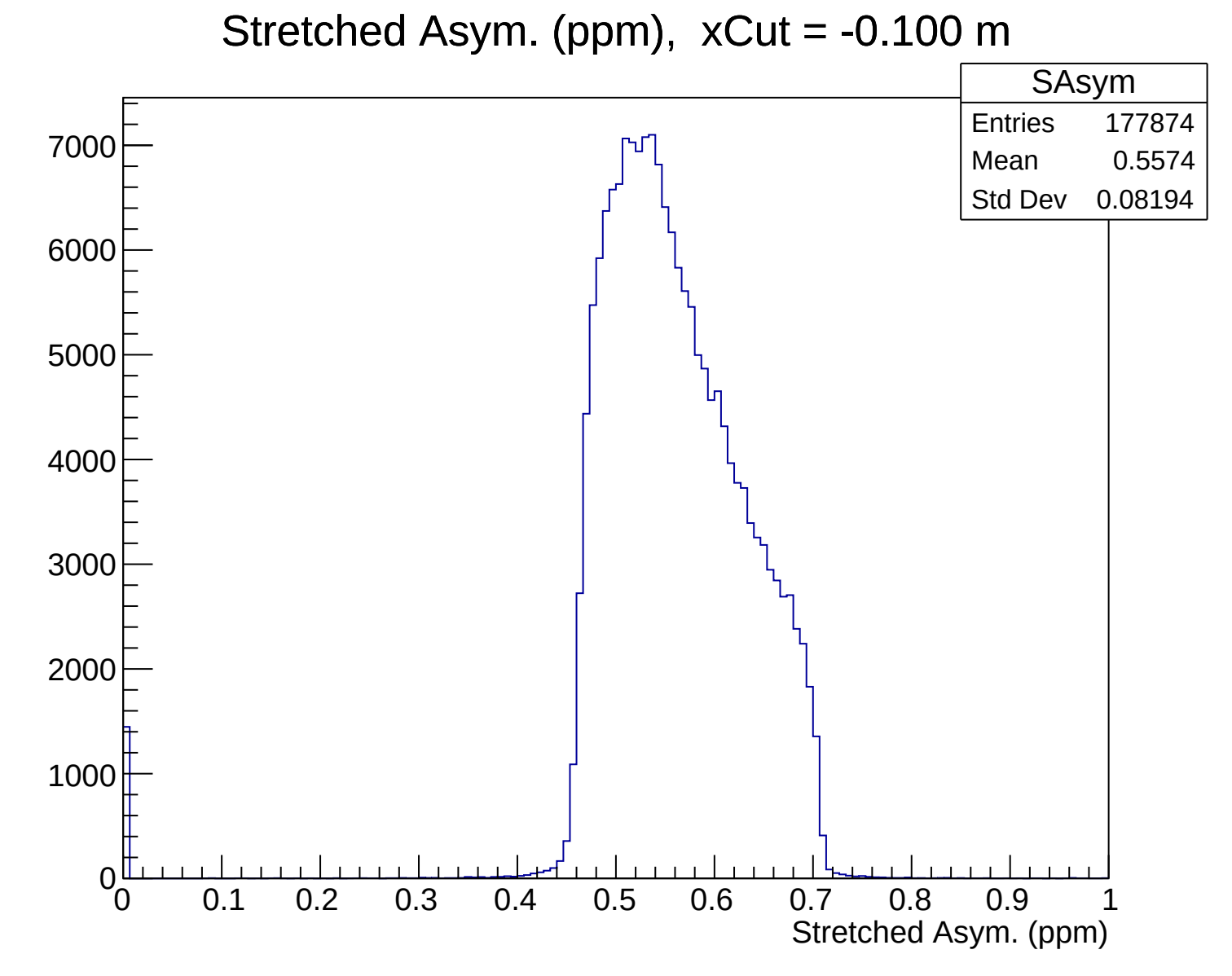

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

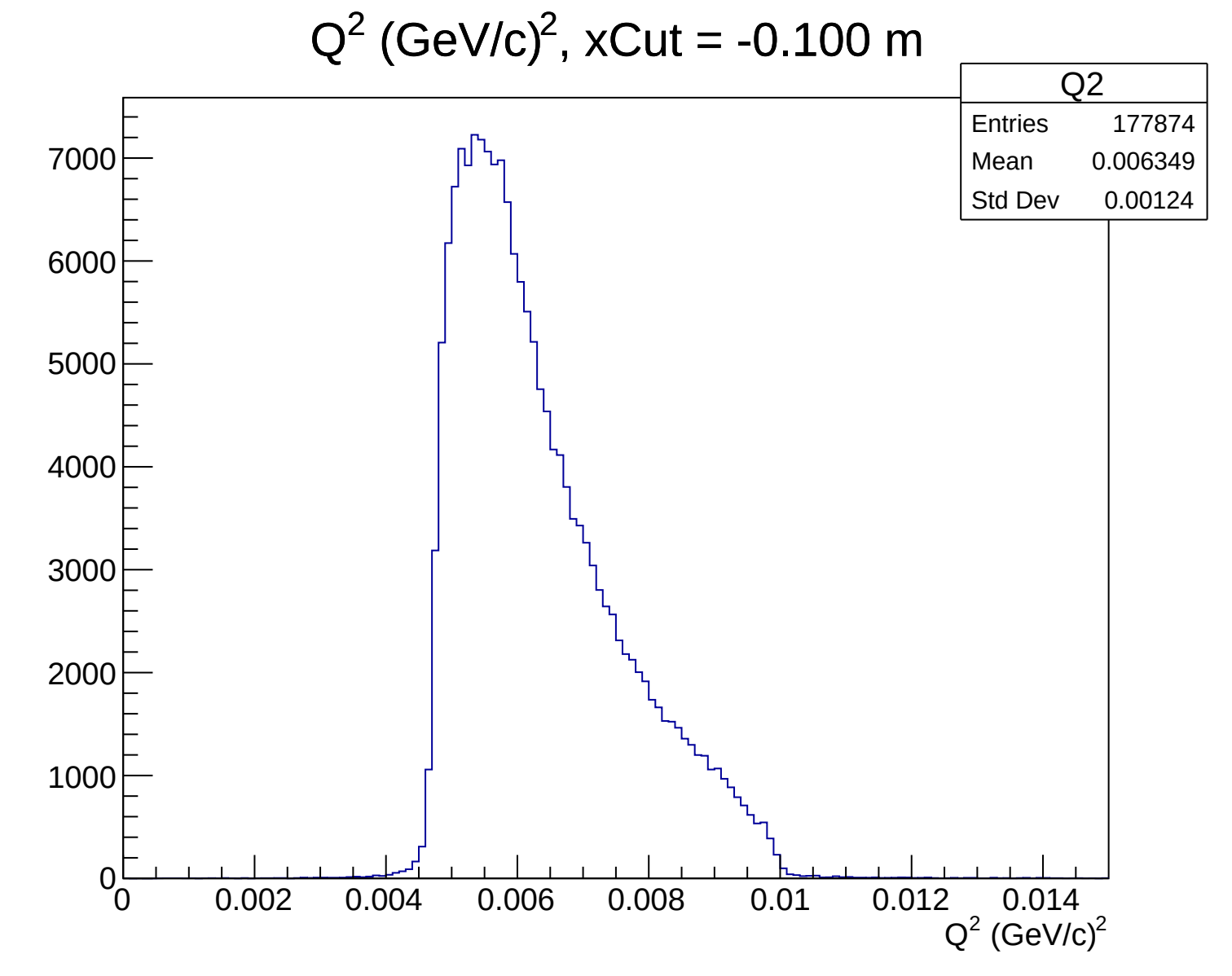

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.100
R.tr.x[0]+1.3*R.tr.th[0] (m)

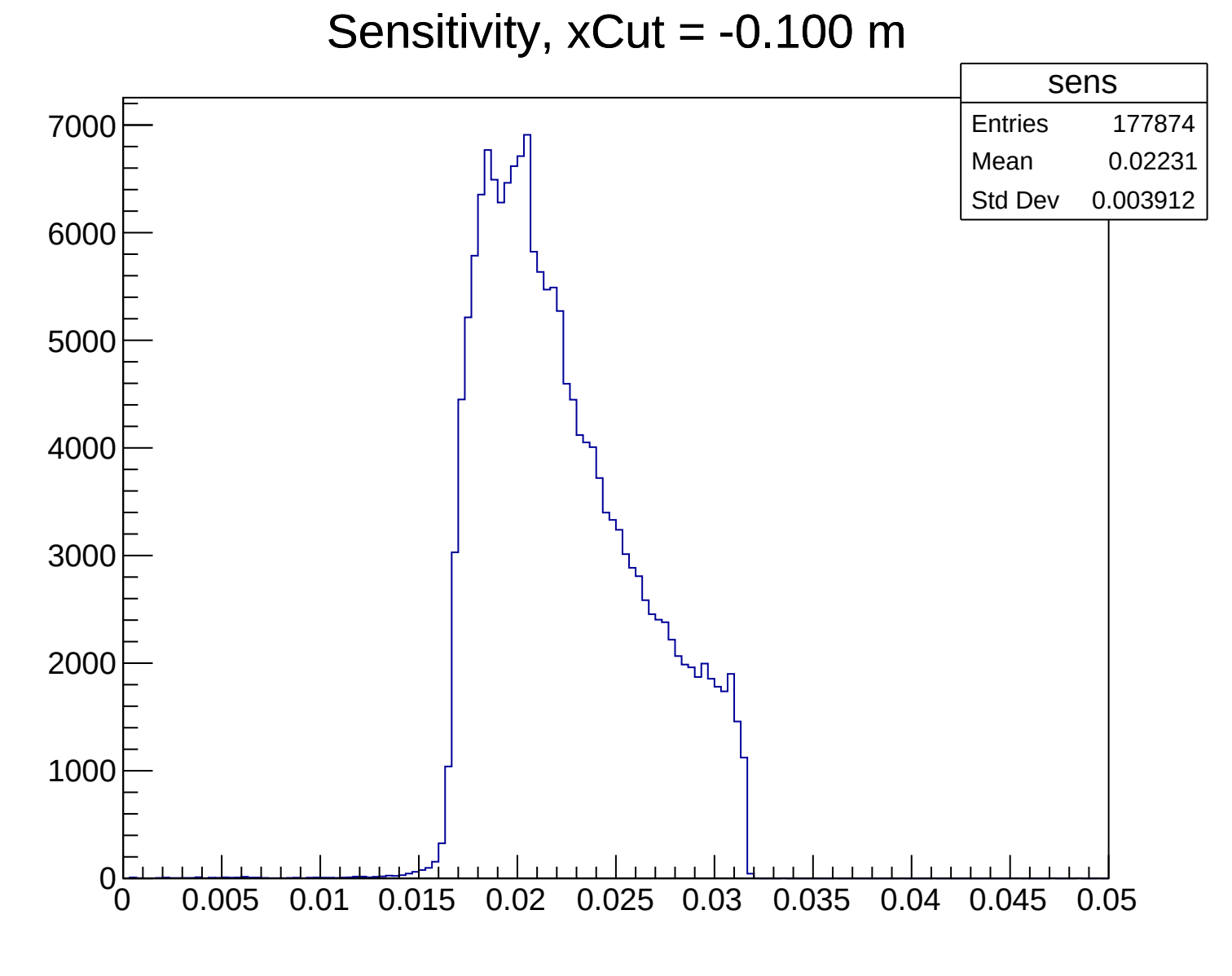

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

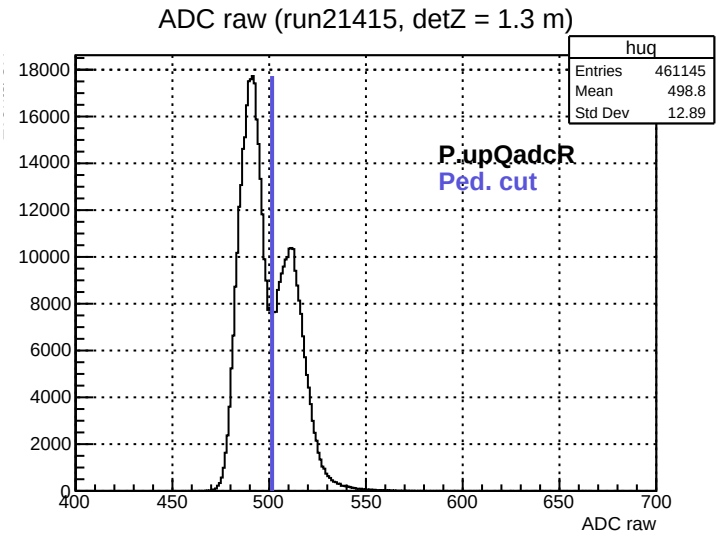

θlab (deg), xCut = -0.100 m
Theta
Entries 177874
Mean 4.794
Std Dev 0.4584
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

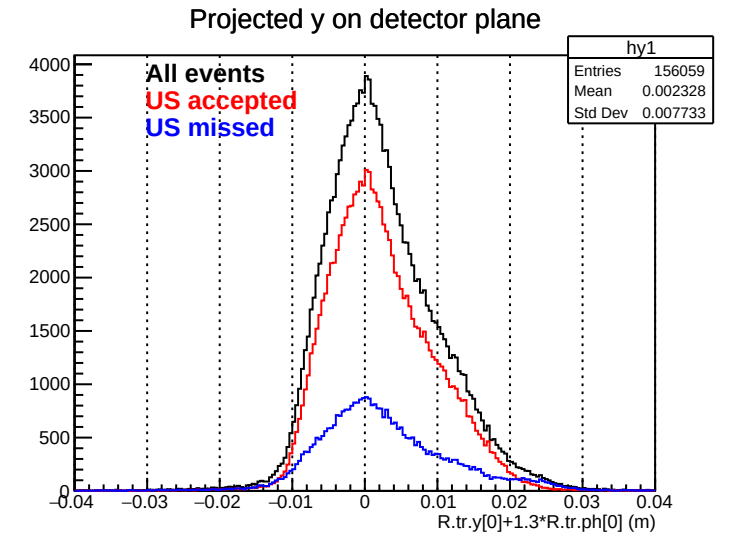

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 177874
Mean 0.5704
Std Dev 0.08568
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

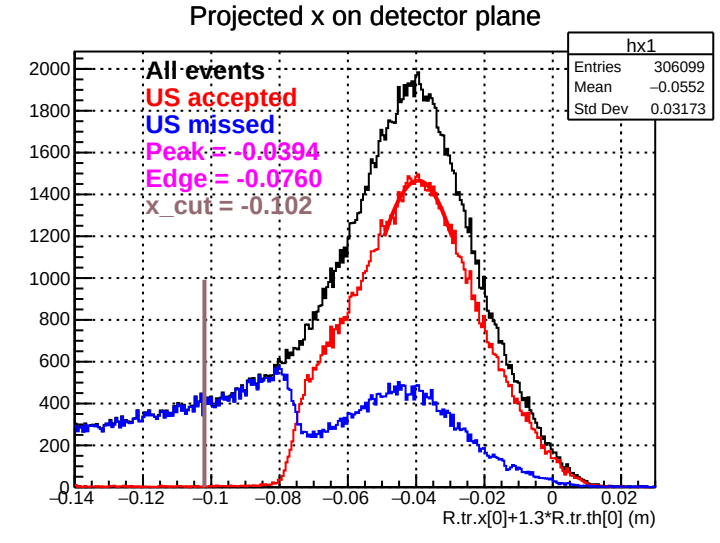

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 177874
Mean 0.5574
Std Dev 0.08194
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

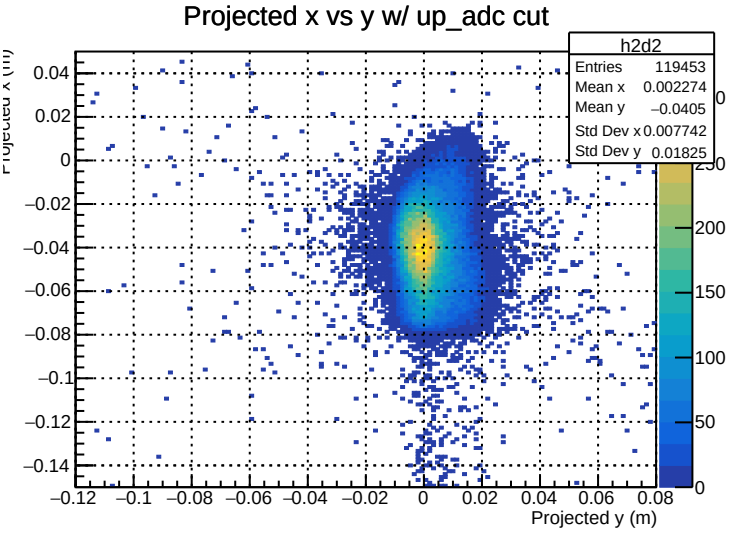

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 177874
Mean 0.006349
Std Dev 0.00124
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

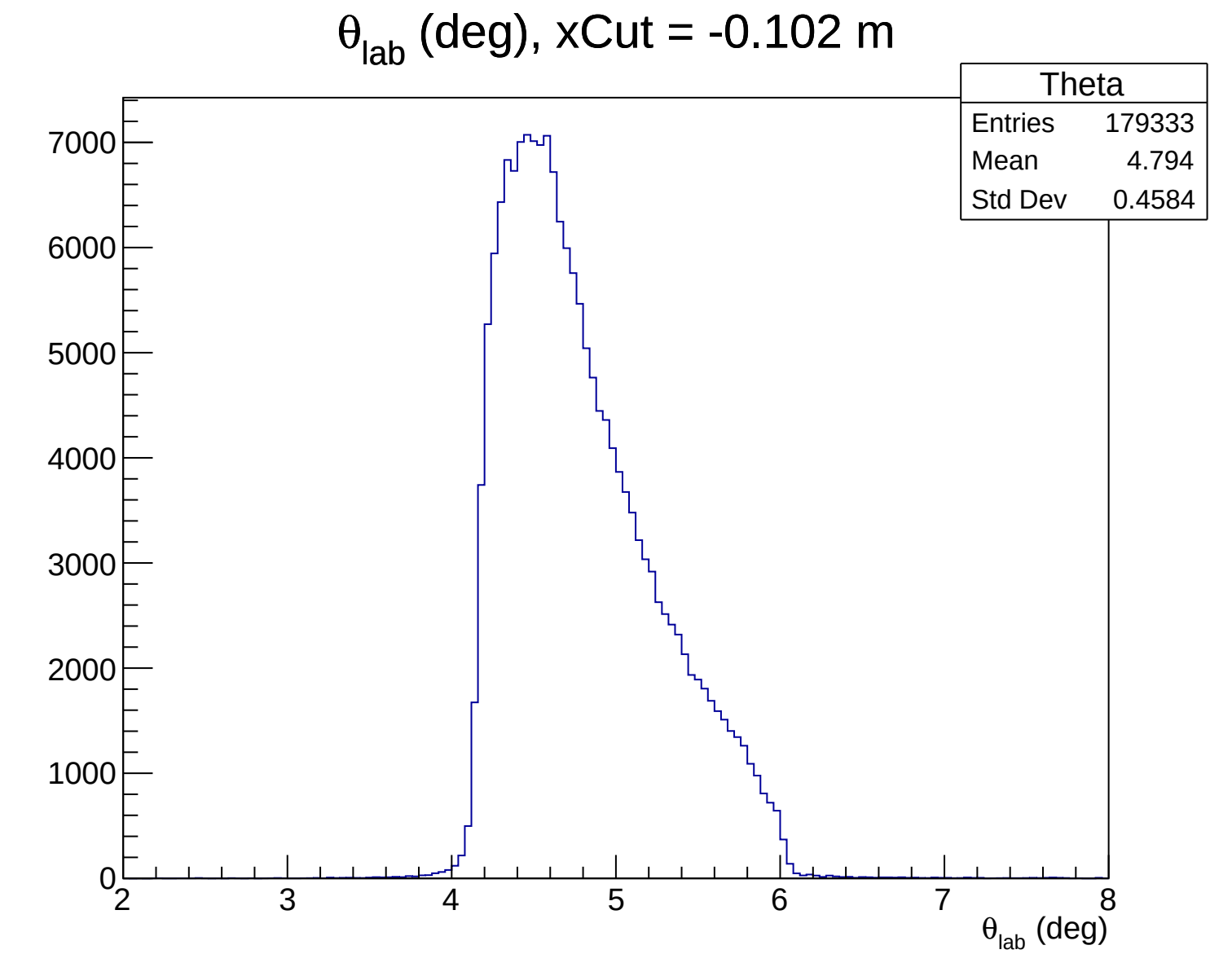

Sensitivity, xCut = -0.100 m
sens
Entries 177874
Mean 0.02231
Std Dev 0.003912
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

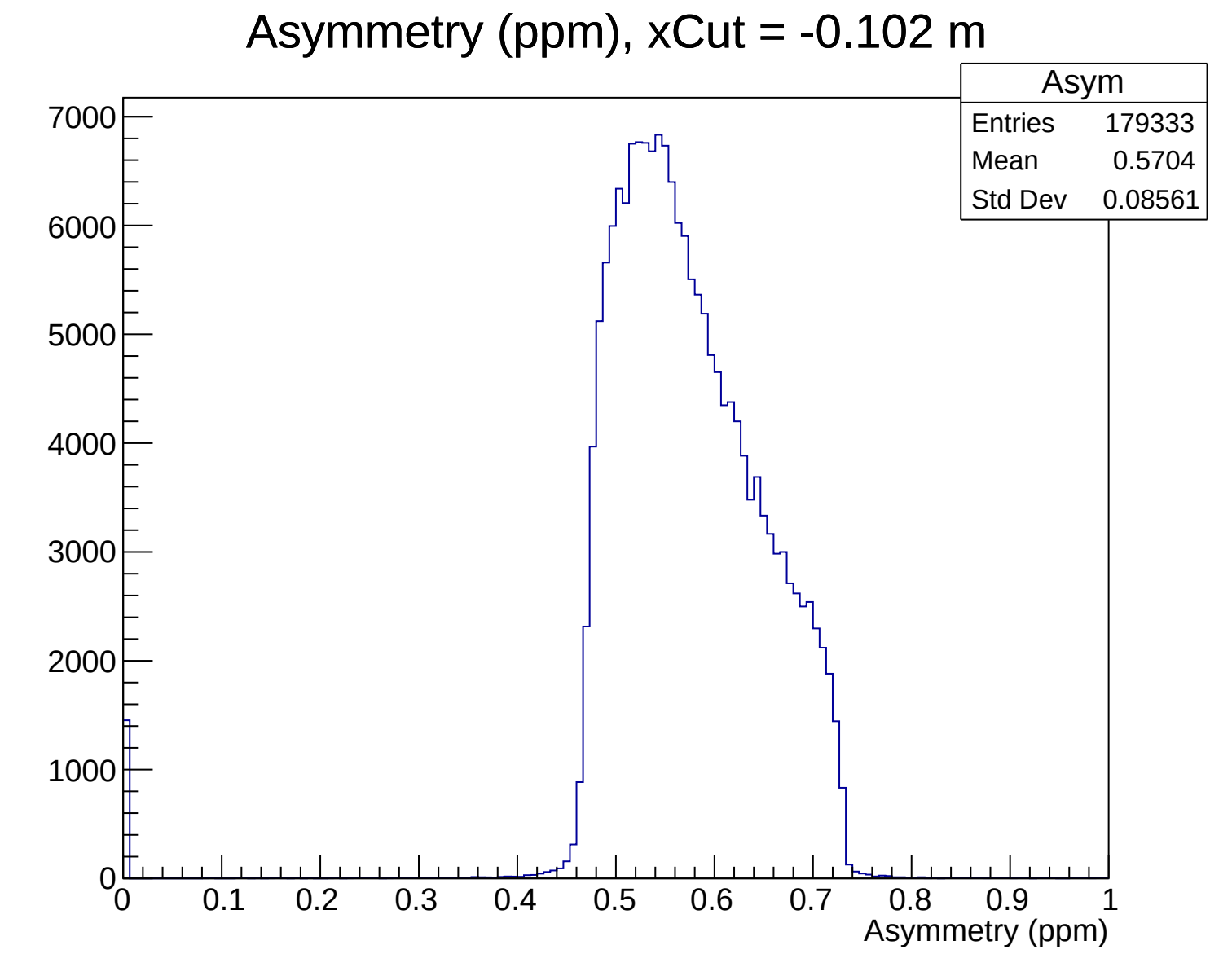

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

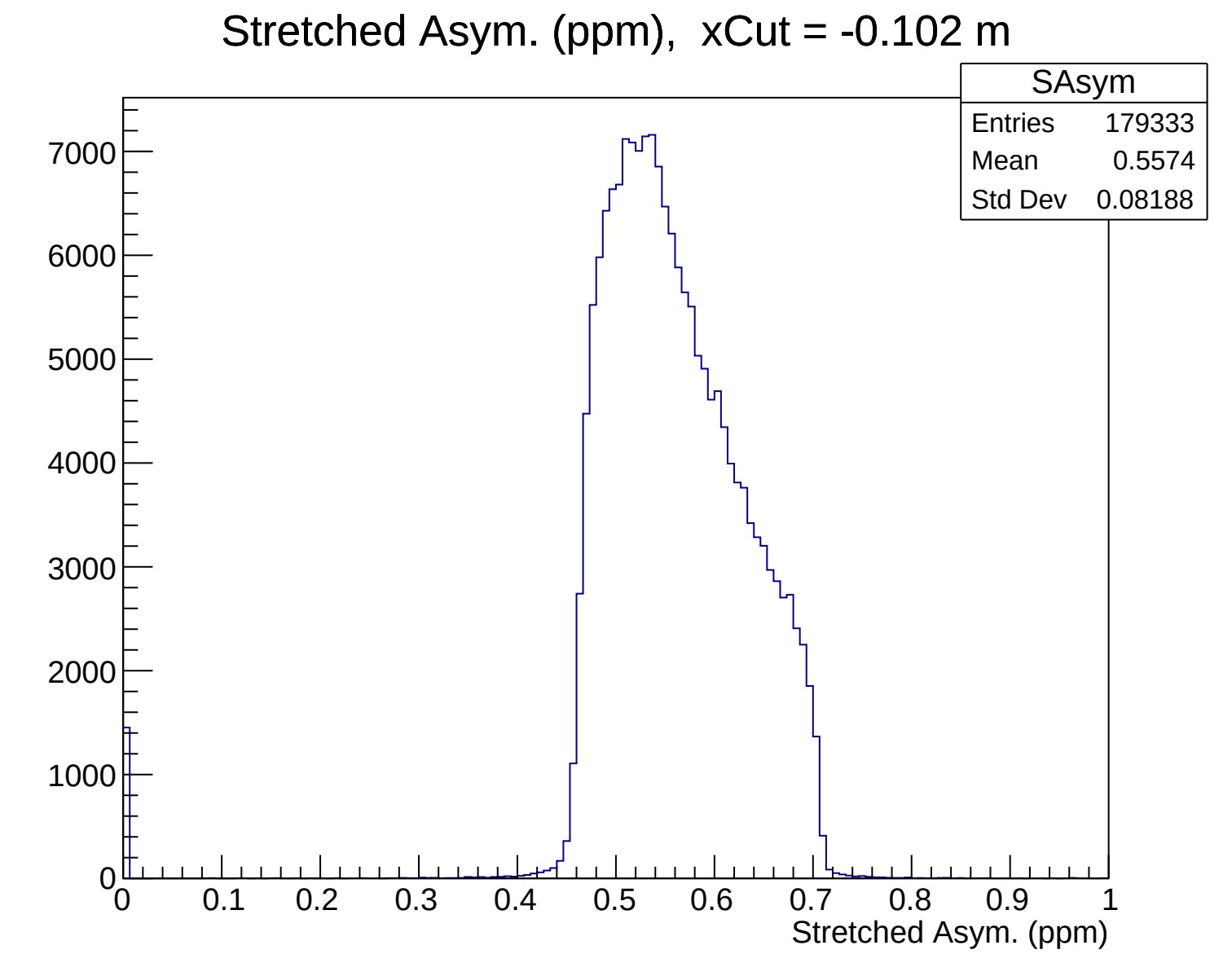

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

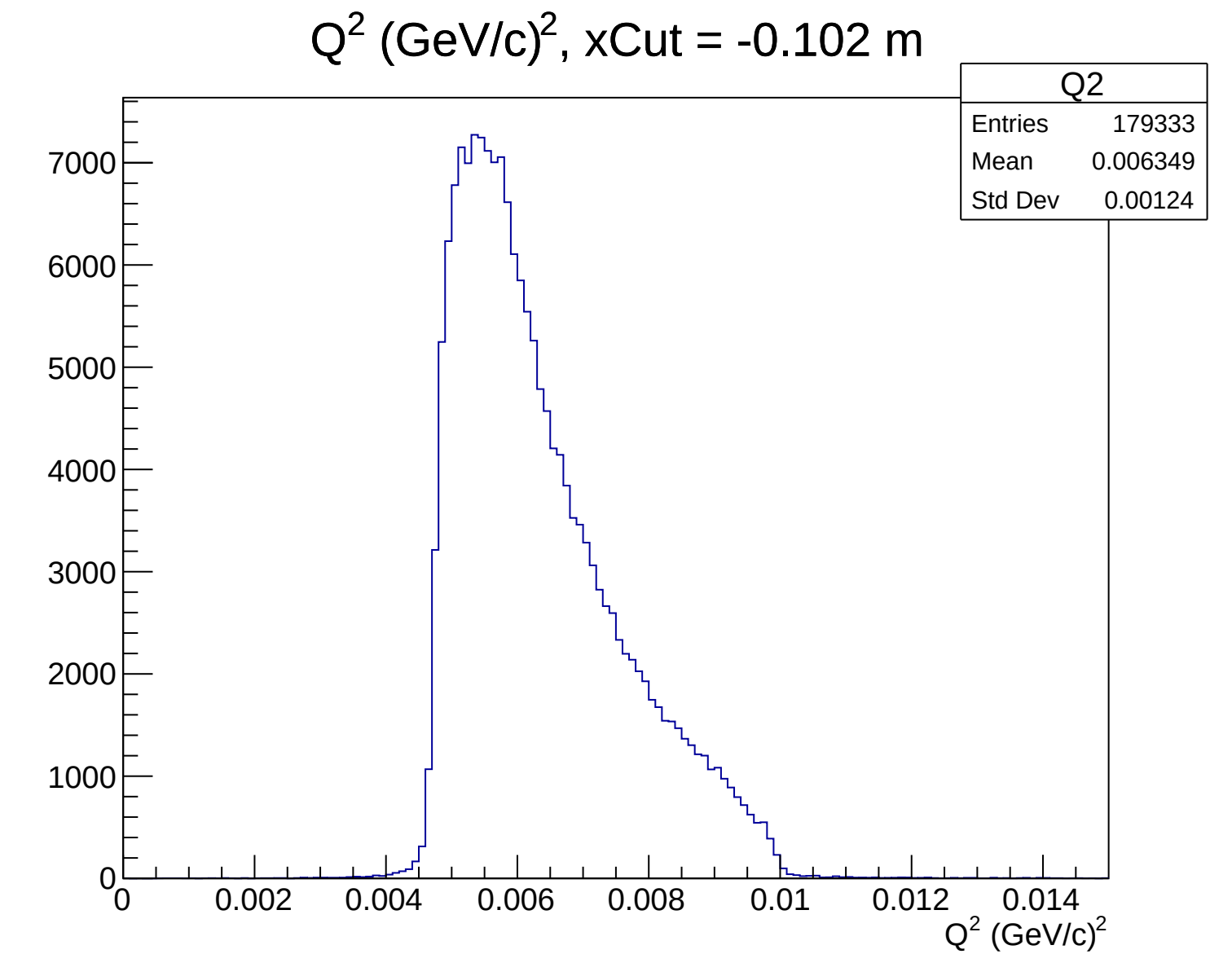

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.102
R.tr.x[0]+1.3*R.tr.th[0] (m)

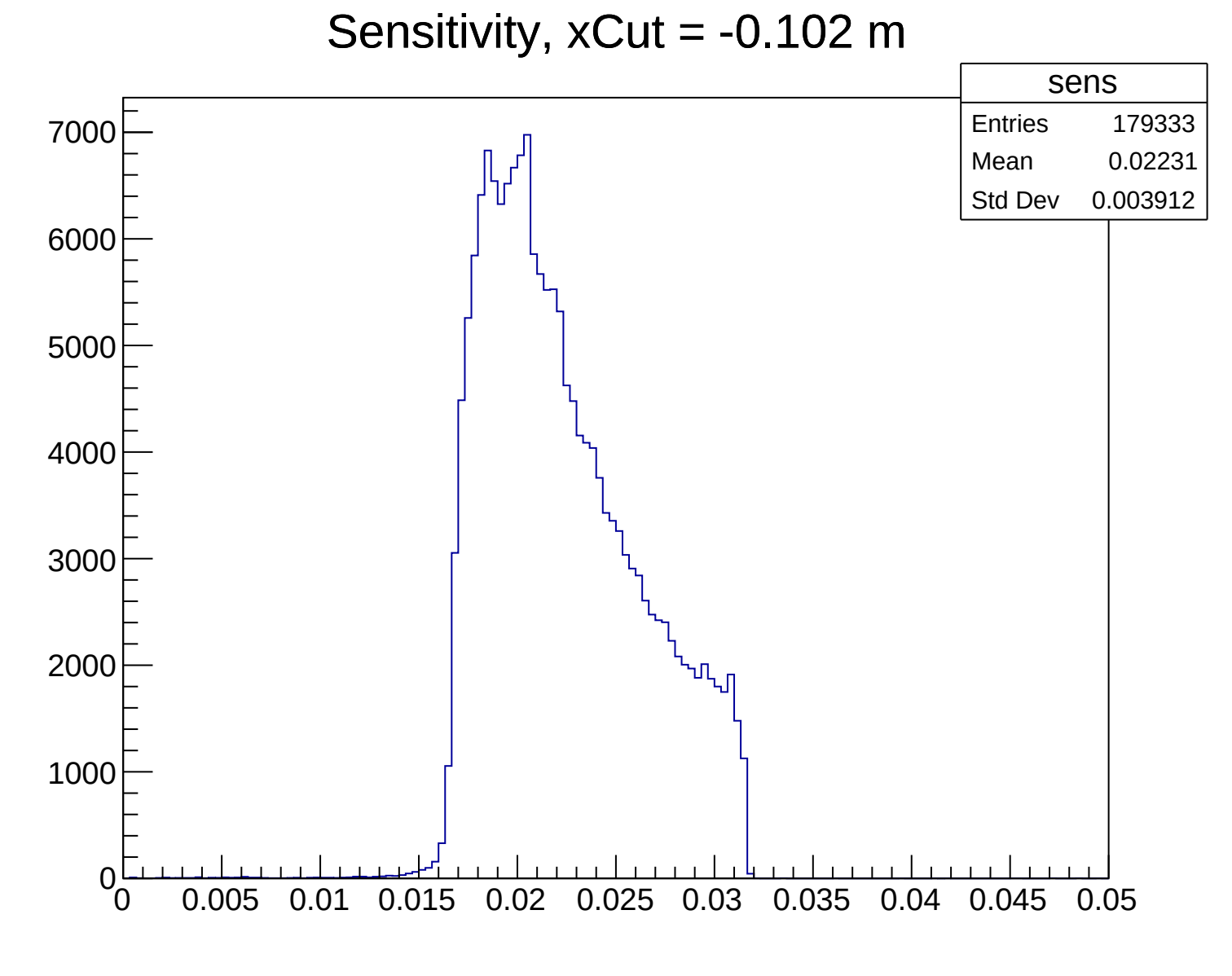

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

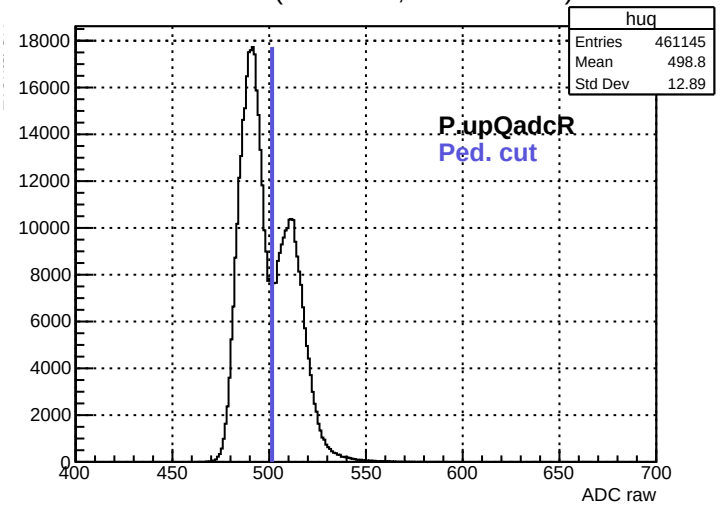

θlab (deg), xCut = -0.102 m
Theta
Entries 179333
Mean 4.794
Std Dev 0.4584
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

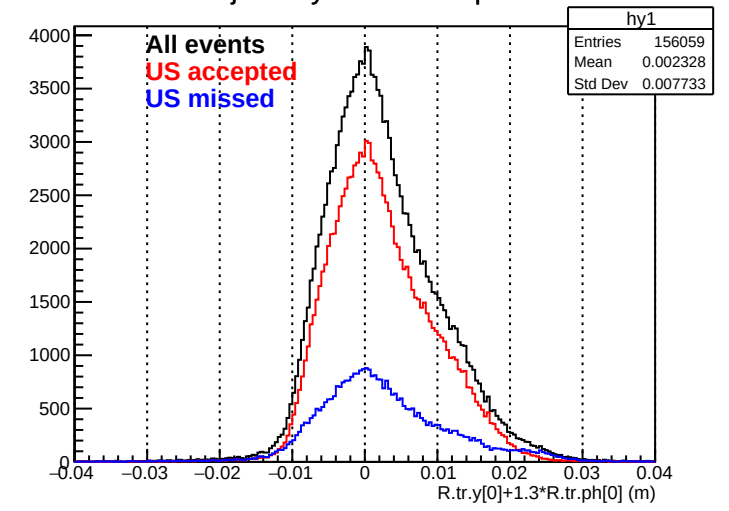

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 179333
Mean 0.5704
Std Dev 0.08561
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

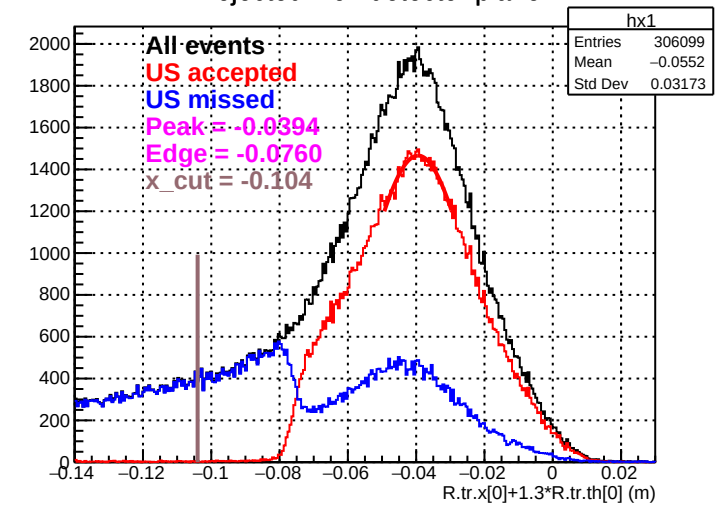

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 179333
Mean 0.5574
Std Dev 0.08188
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

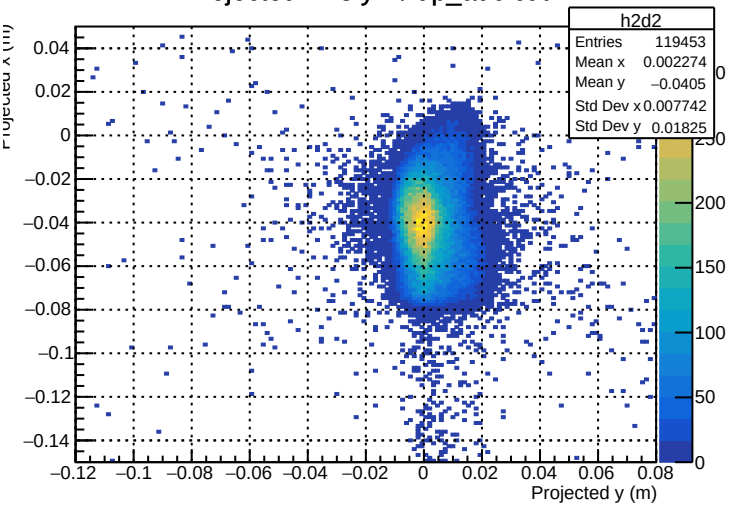

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 179333
Mean 0.006349
Std Dev 0.00124
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

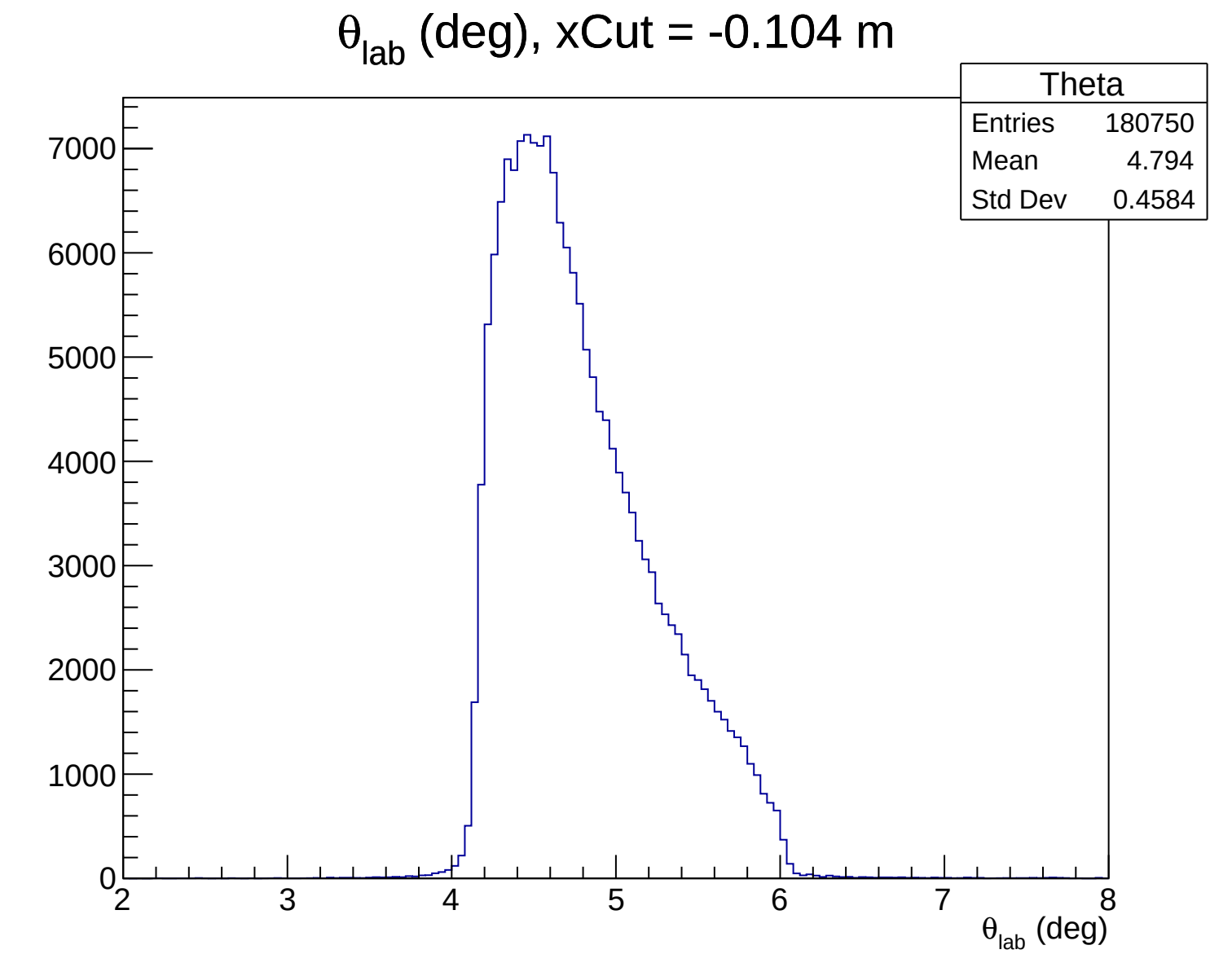

Sensitivity, xCut = -0.102 m
sens
Entries 179333
Mean 0.02231
Std Dev 0.003912
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

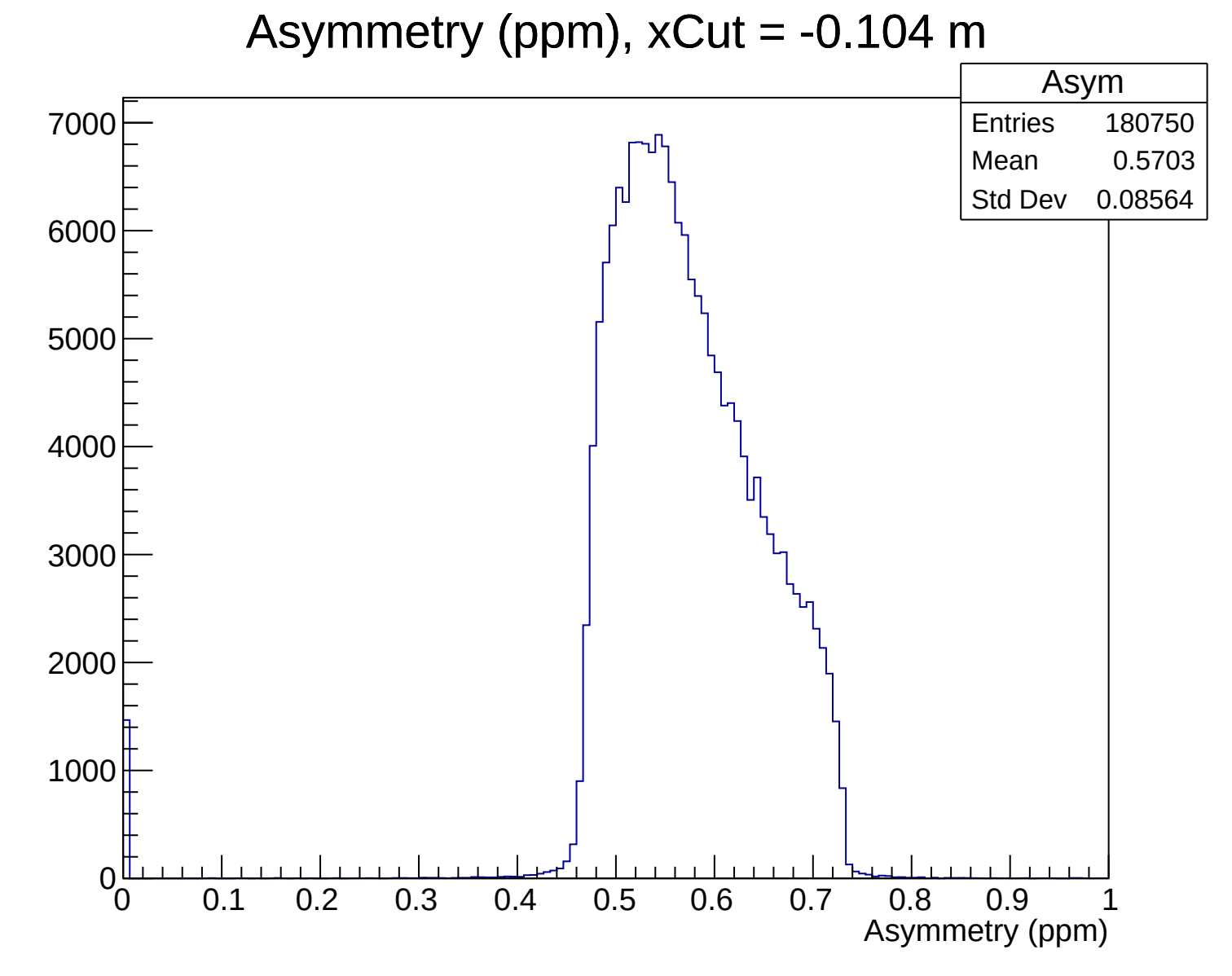

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

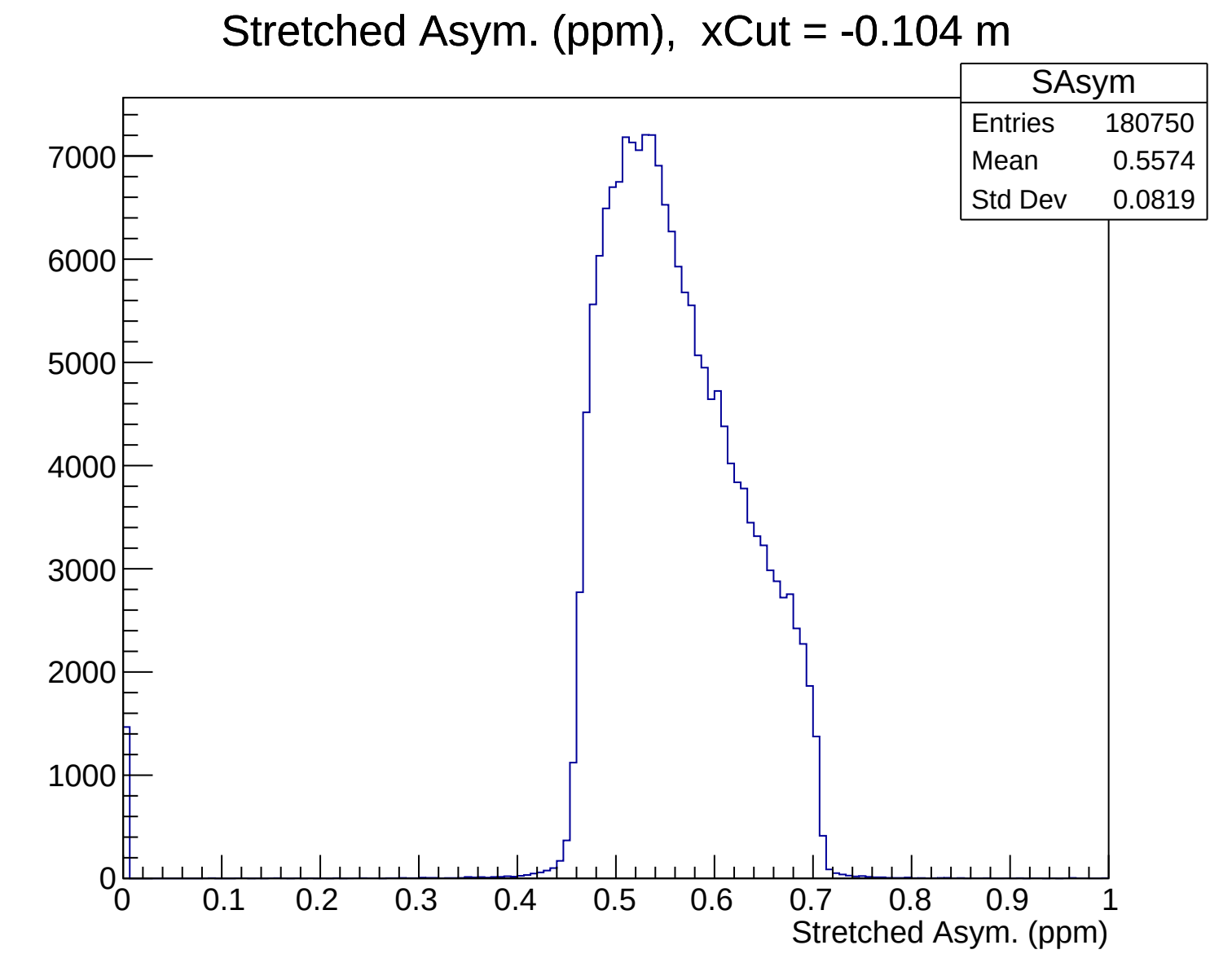

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

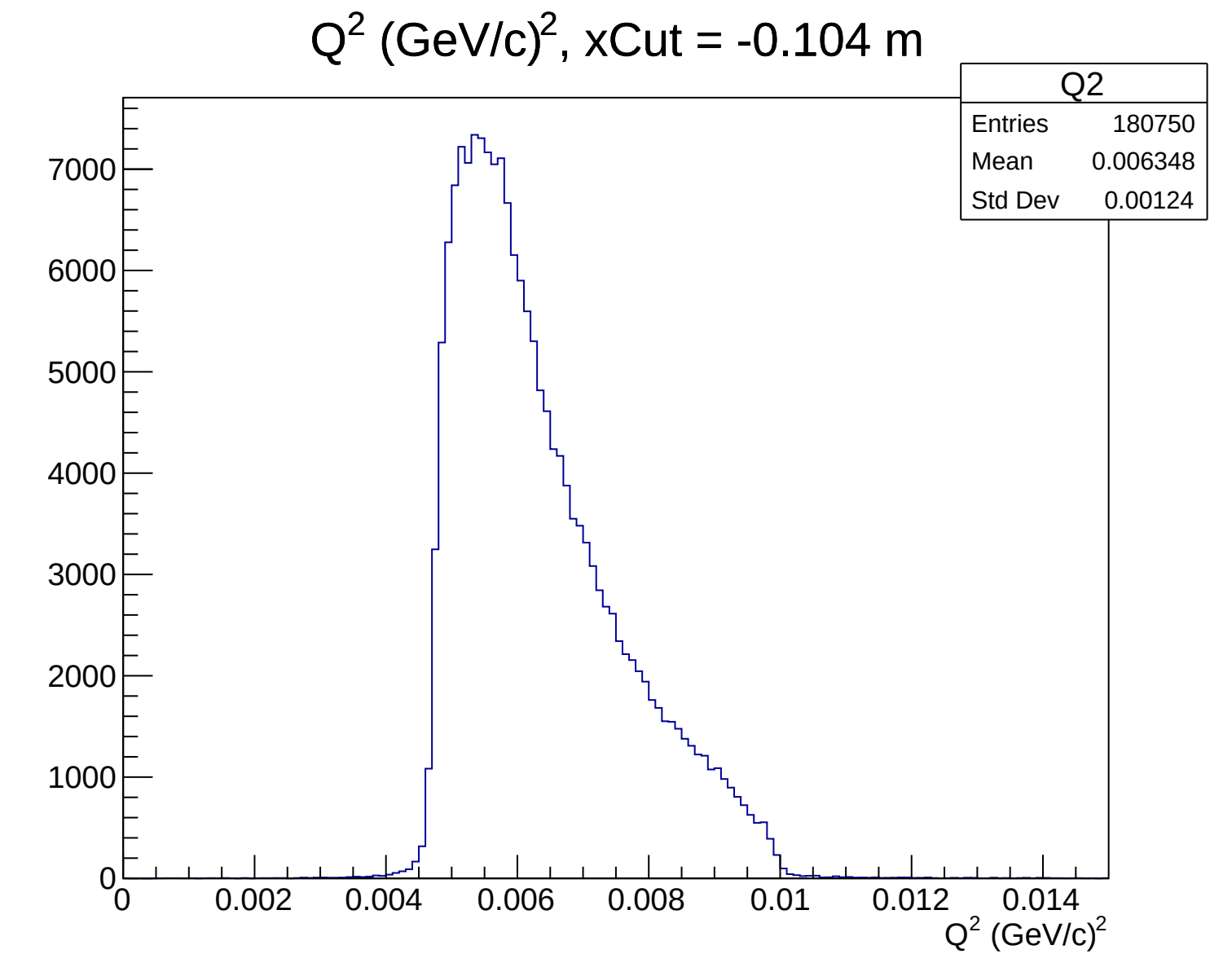

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.104
R.tr.x[0]+1.3*R.tr.th[0] (m)

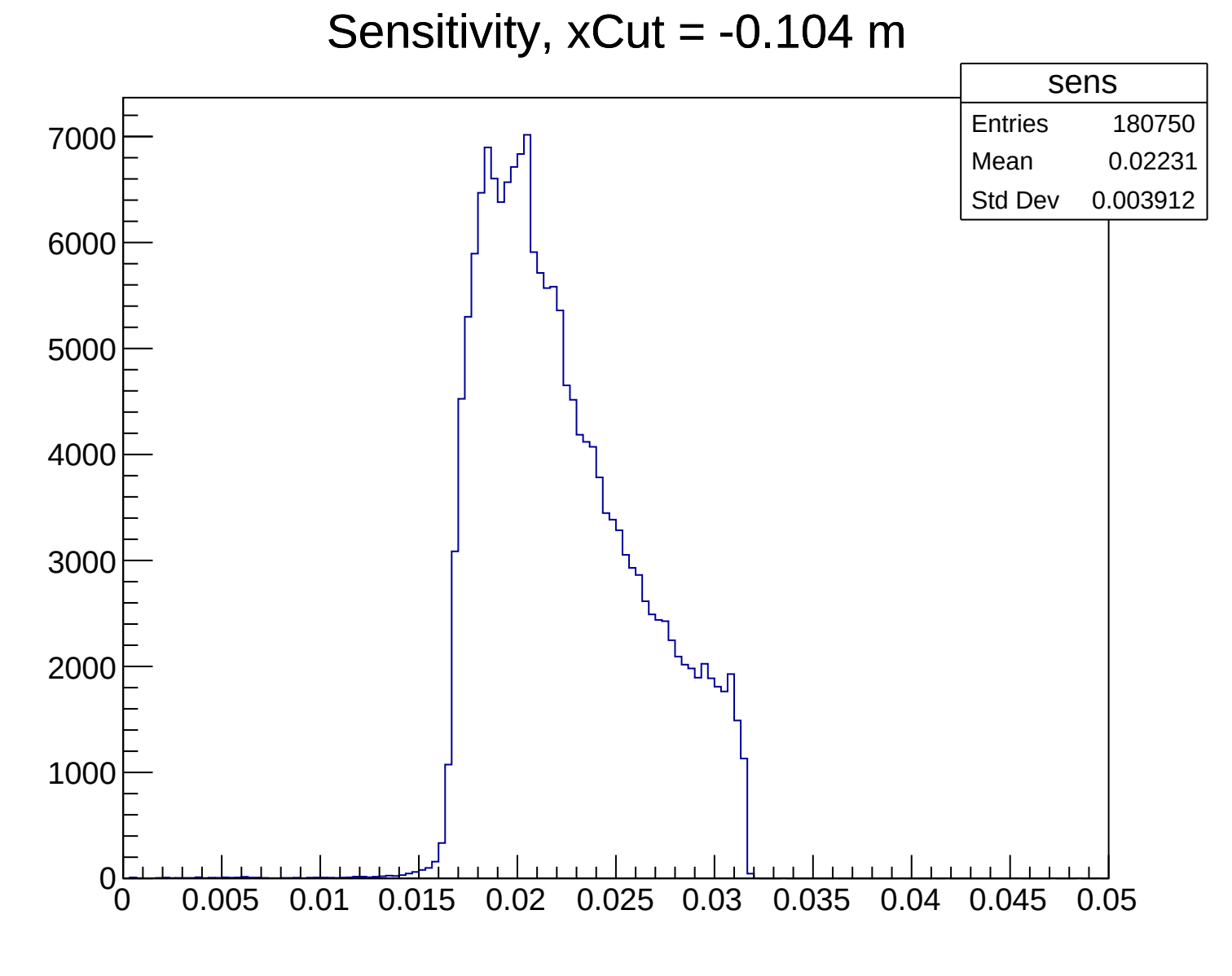

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

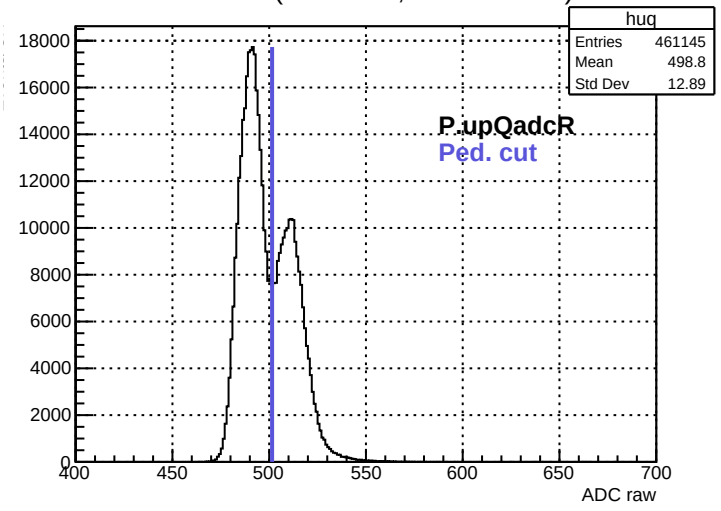

θlab (deg), xCut = -0.104 m
Theta
Entries 180750
Mean 4.794
Std Dev 0.4584
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

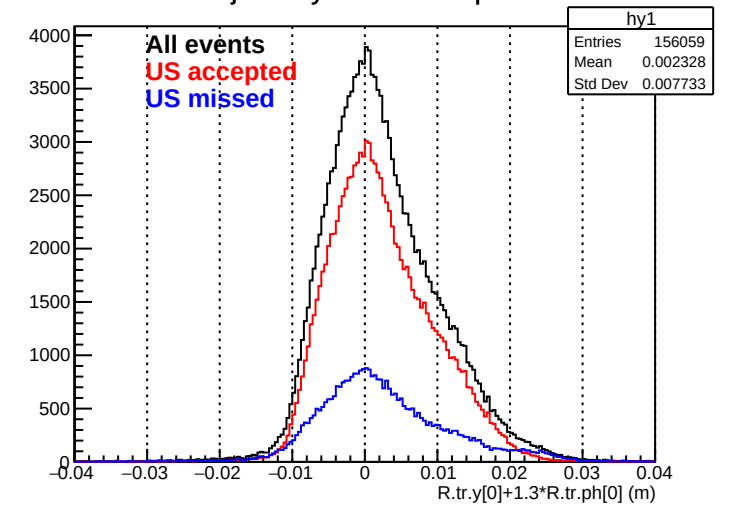

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 180750
Mean 0.5703
Std Dev 0.08564
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

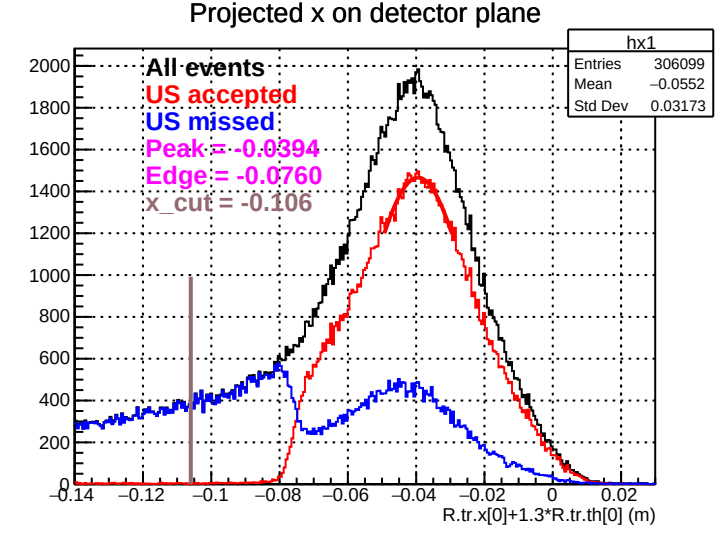

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 180750
Mean 0.5574
Std Dev 0.0819
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

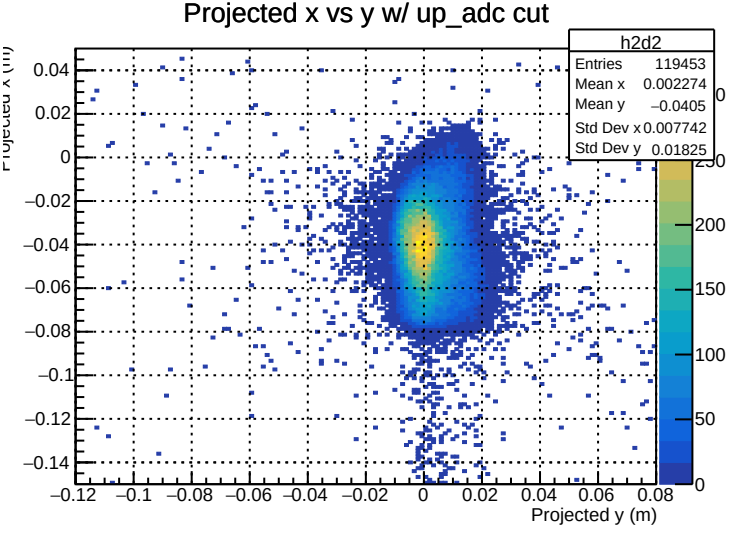

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 180750
Mean 0.006348
Std Dev 0.00124
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

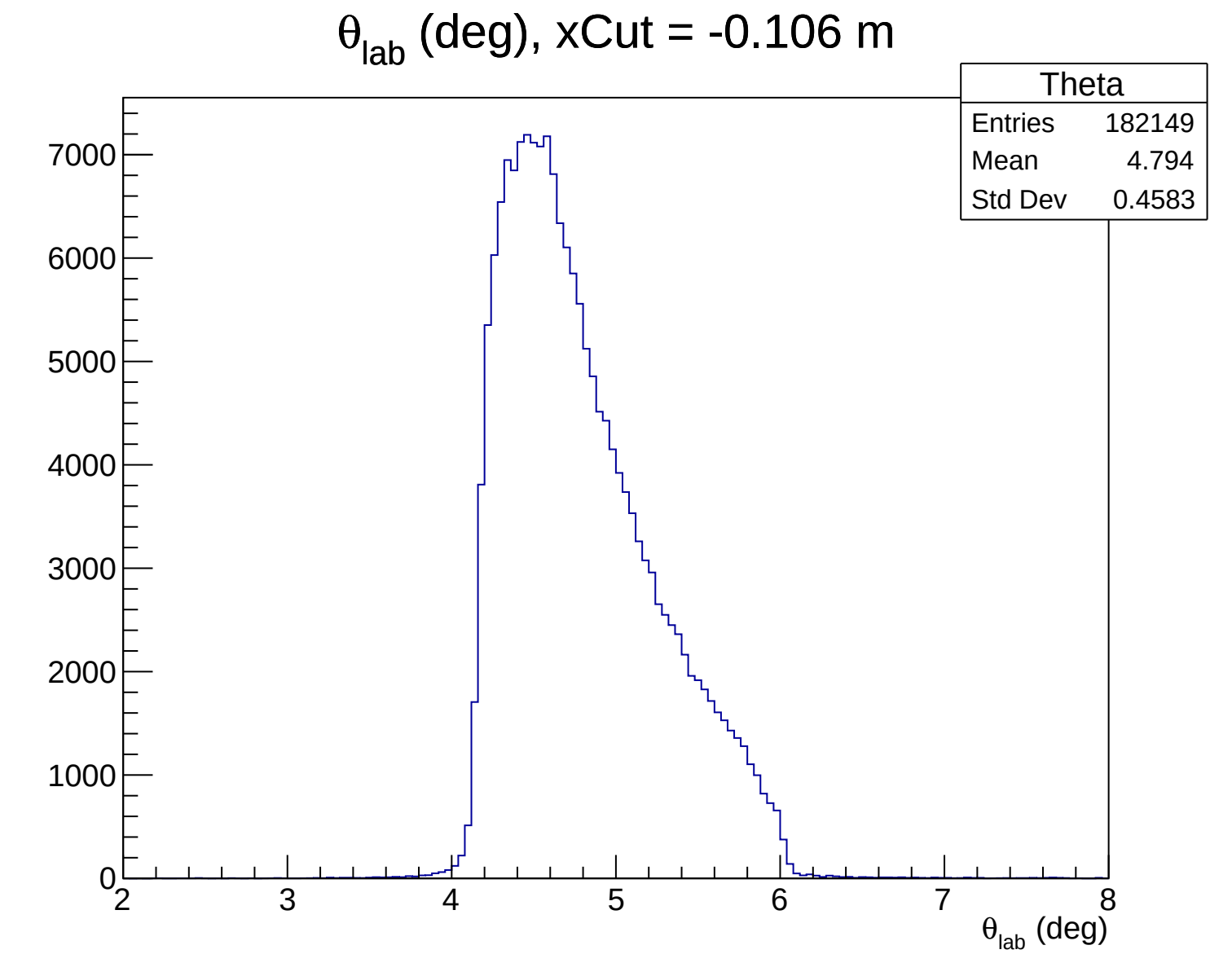

Sensitivity, xCut = -0.104 m
sens
Entries 180750
Mean 0.02231
Std Dev 0.003912
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

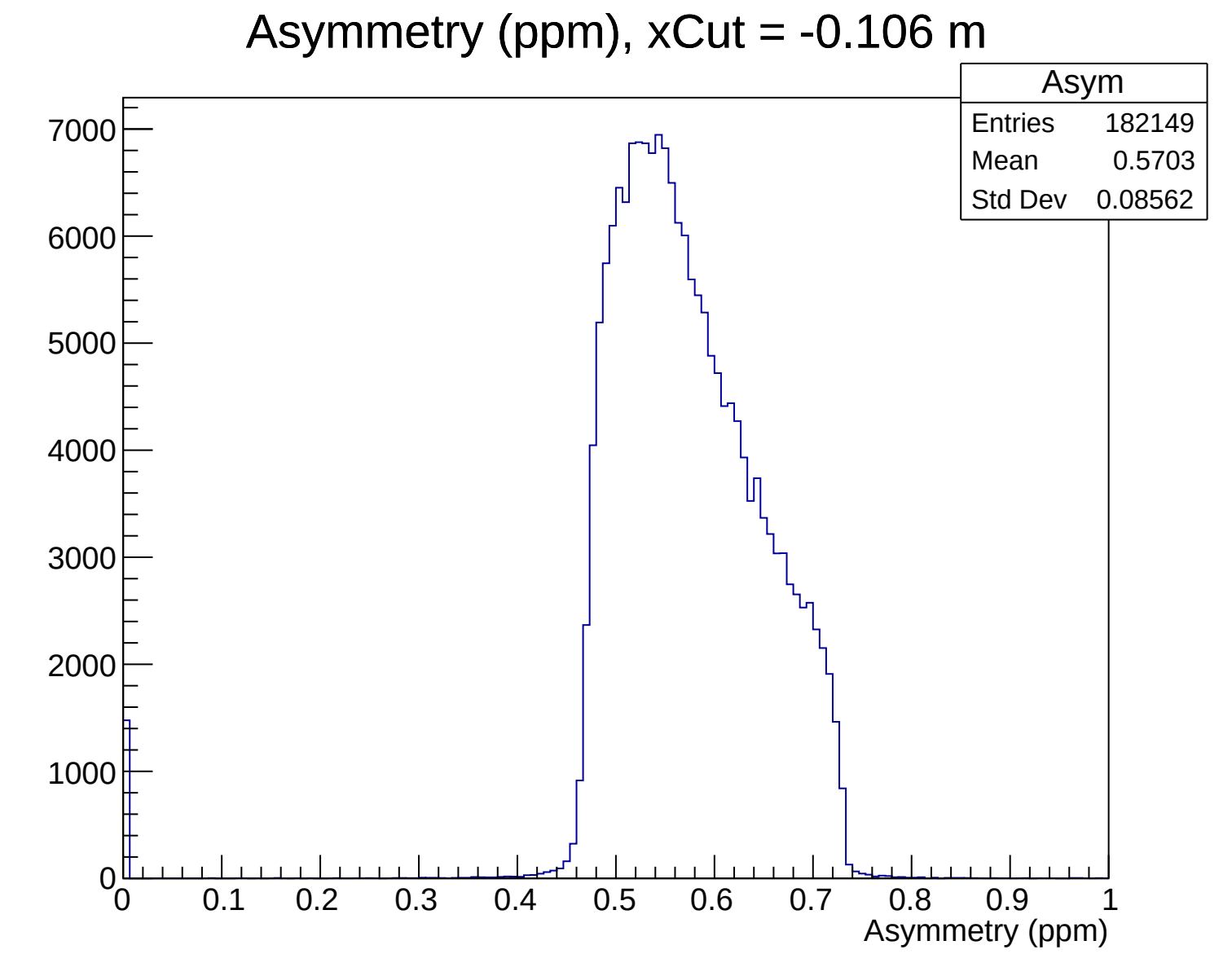

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

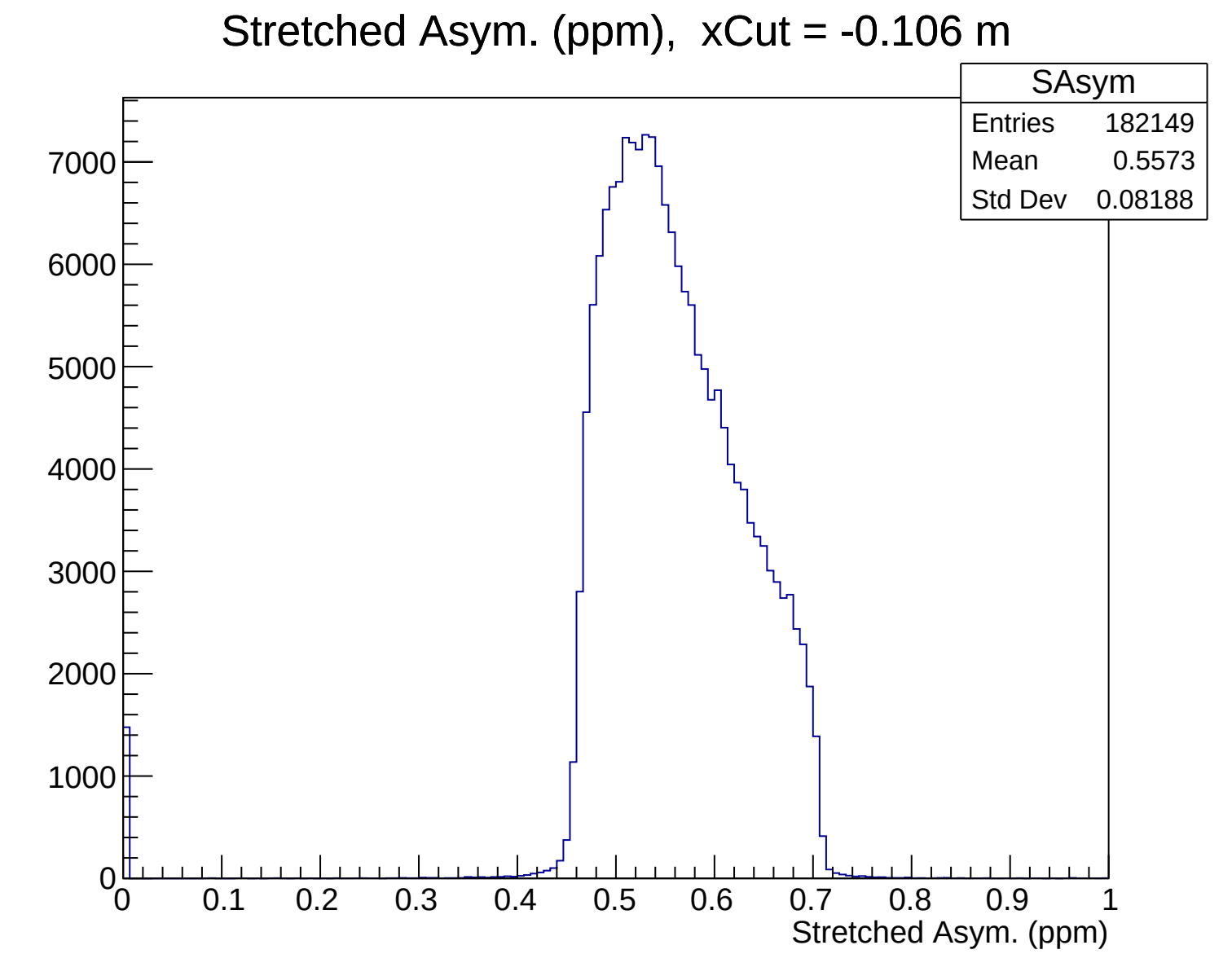

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

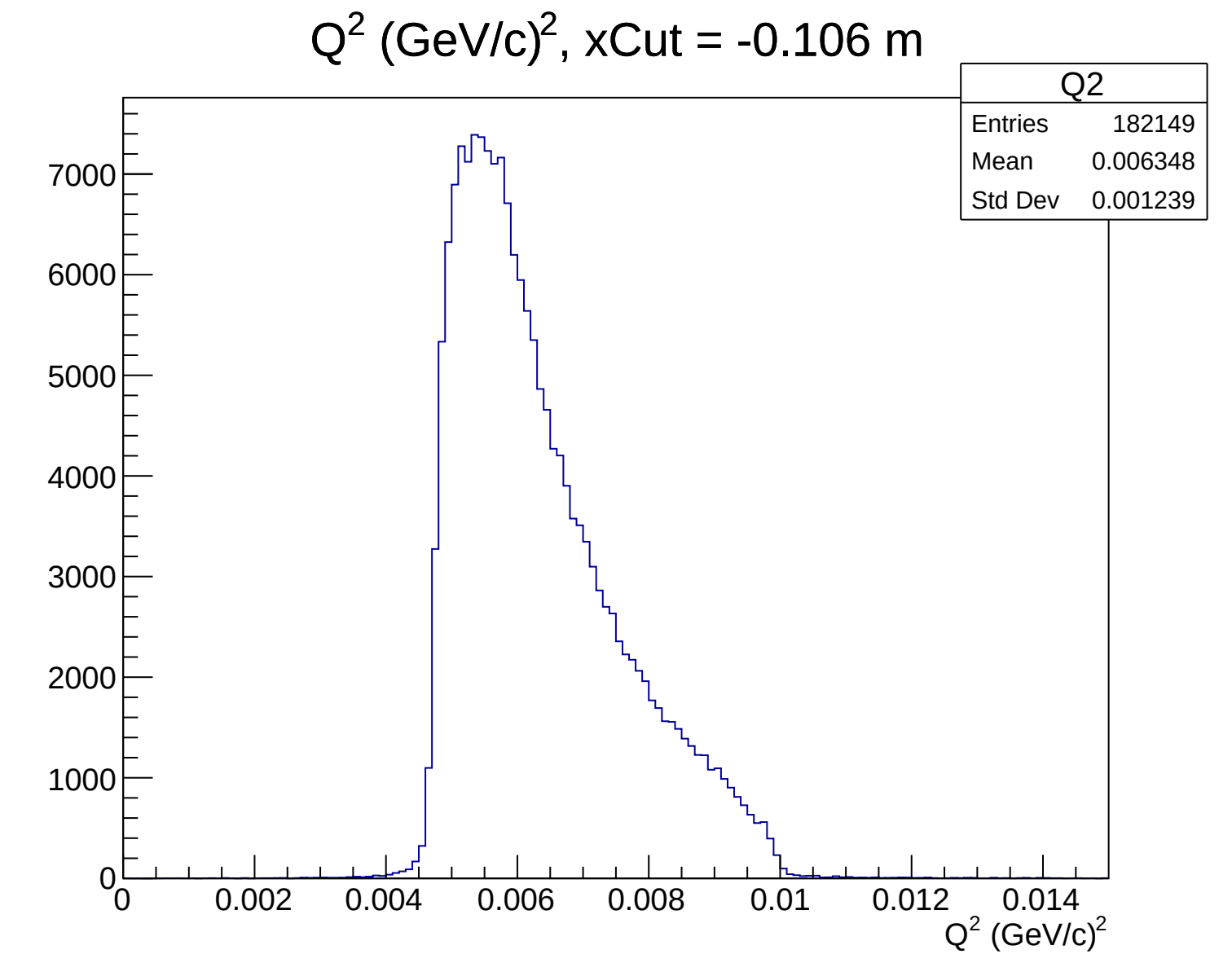

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.106
R.tr.x[0]+1.3*R.tr.th[0] (m)

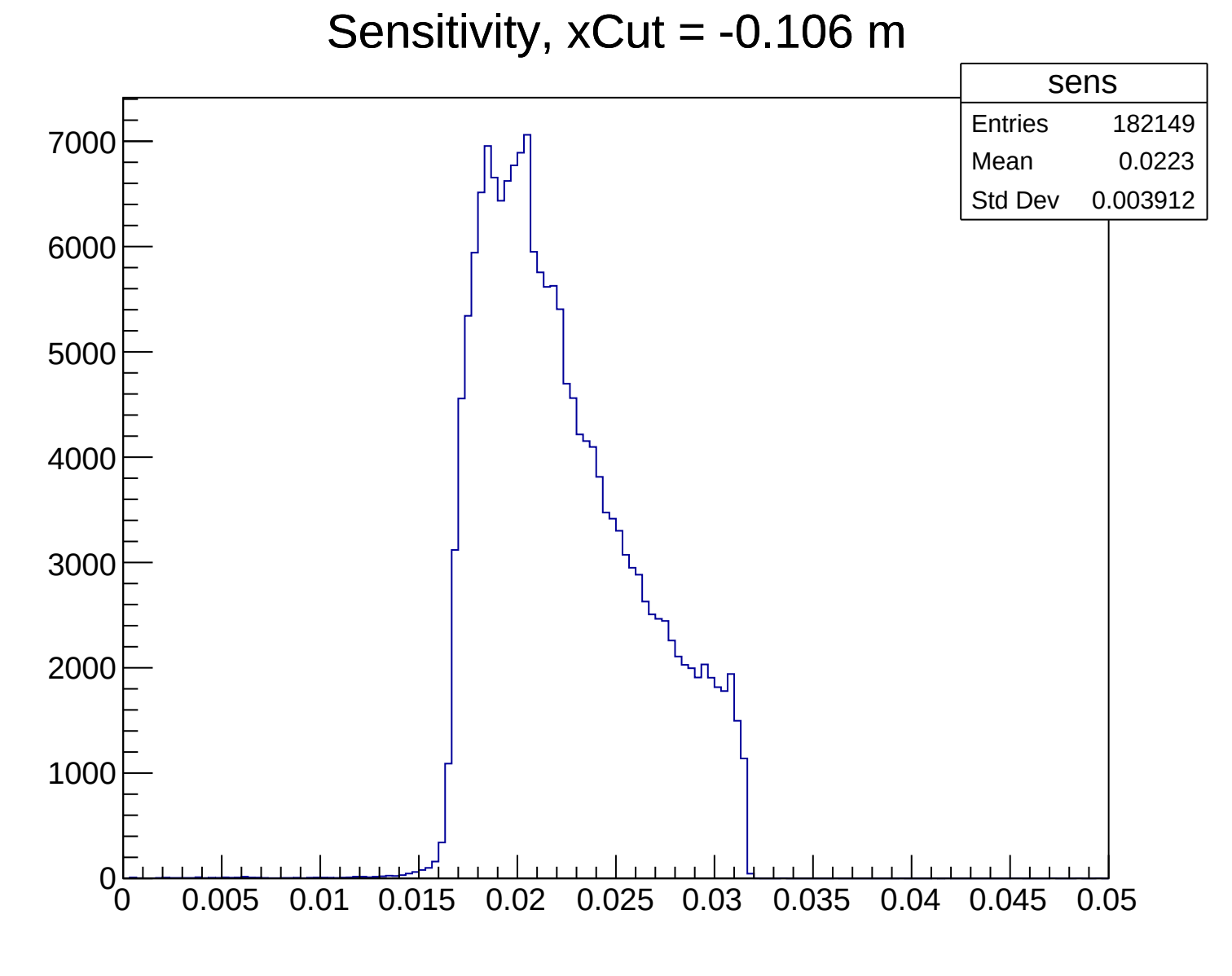

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

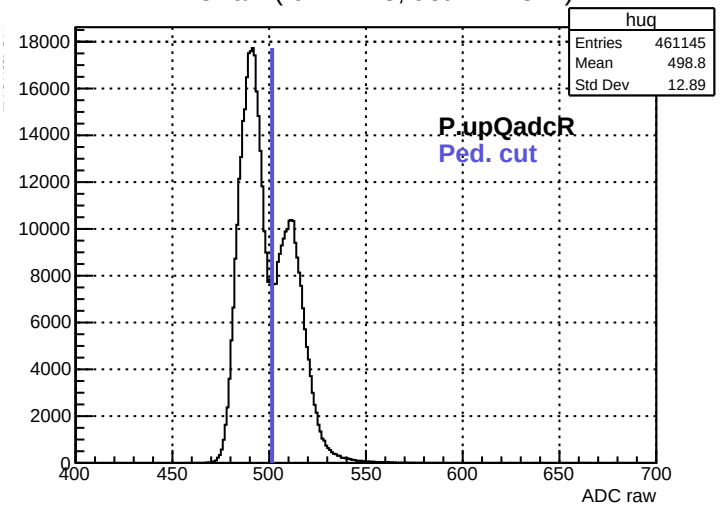

θlab (deg), xCut = -0.106 m
Theta
Entries 182149
Mean 4.794
Std Dev 0.4583
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

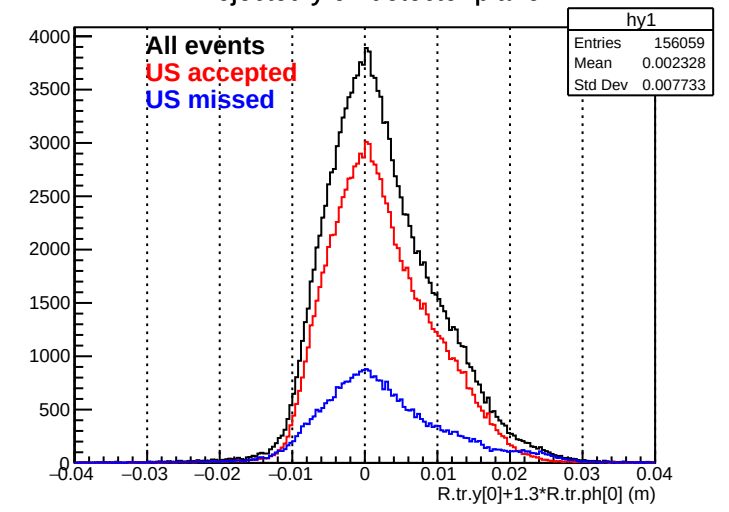

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 182149
Mean 0.5703
Std Dev 0.08562
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

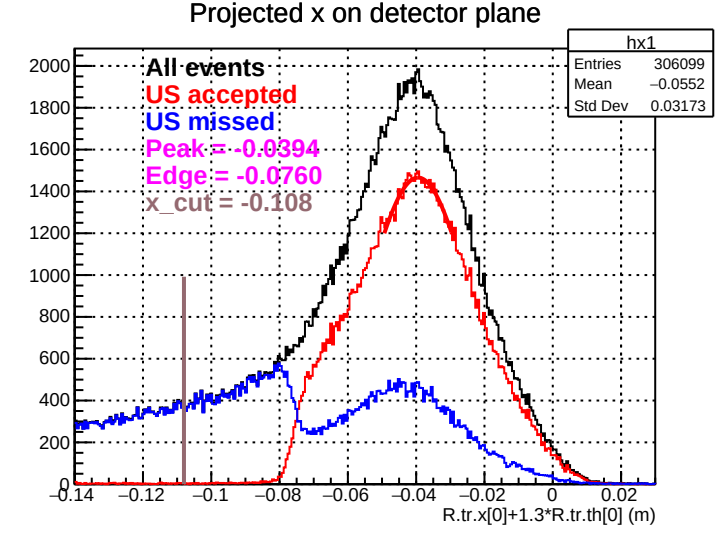

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 182149
Mean 0.5573
Std Dev 0.08188
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

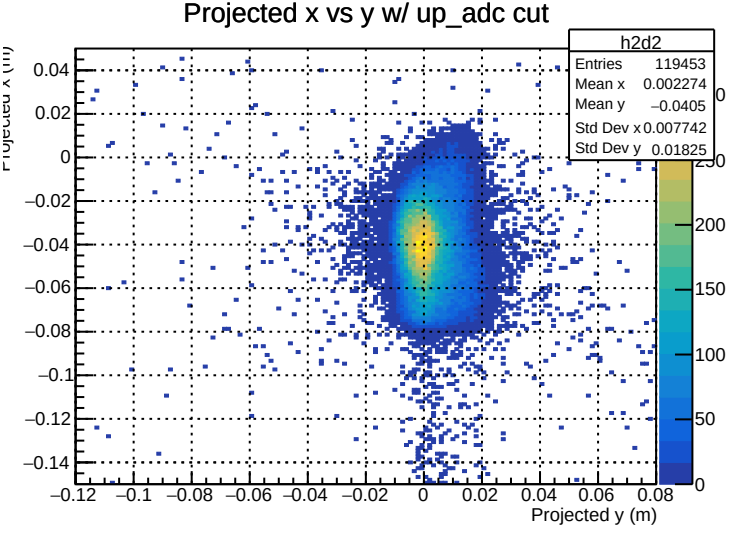

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 182149
Mean 0.006348
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

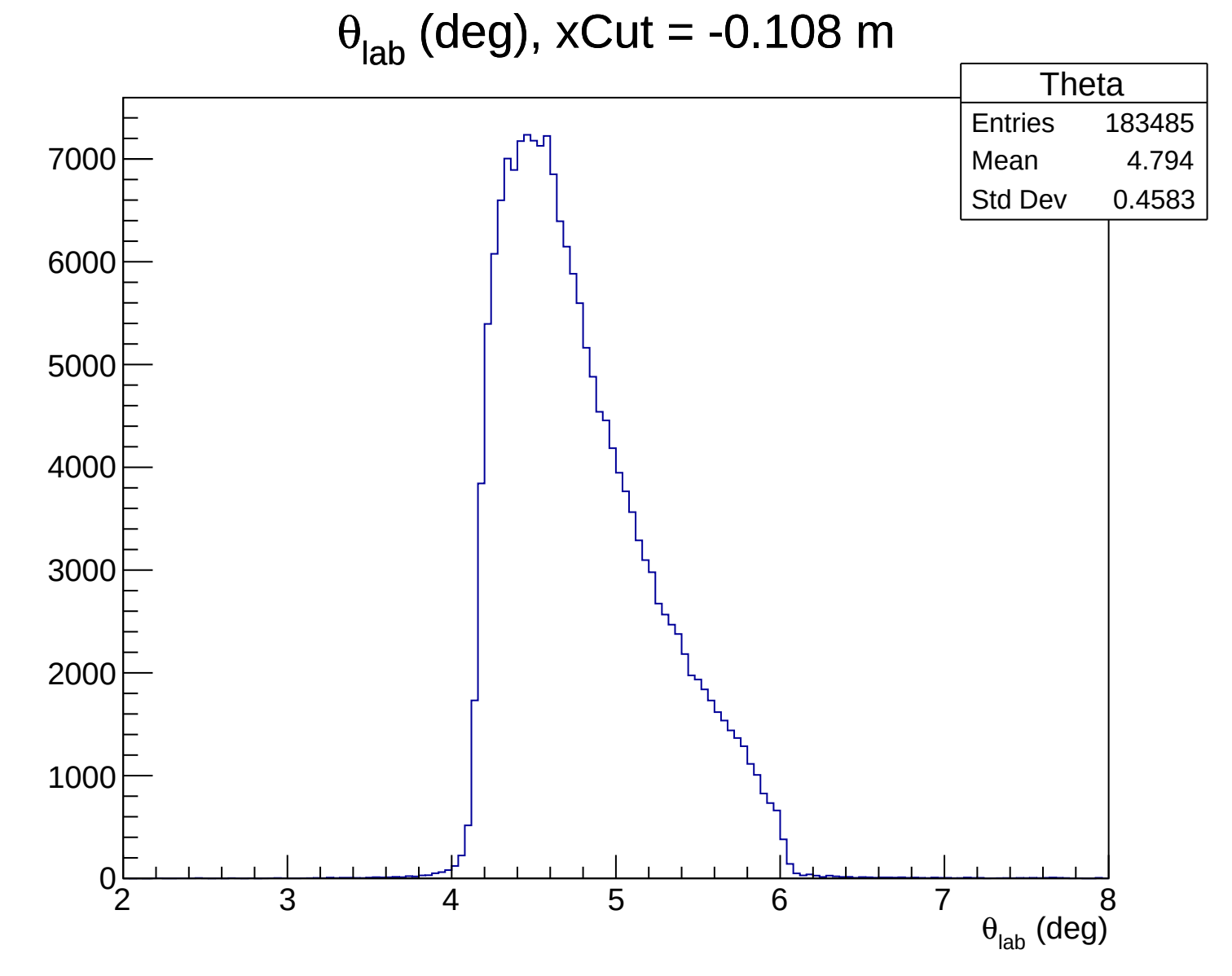

Sensitivity, xCut = -0.106 m
sens
Entries 182149
Mean 0.0223
Std Dev 0.003912
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

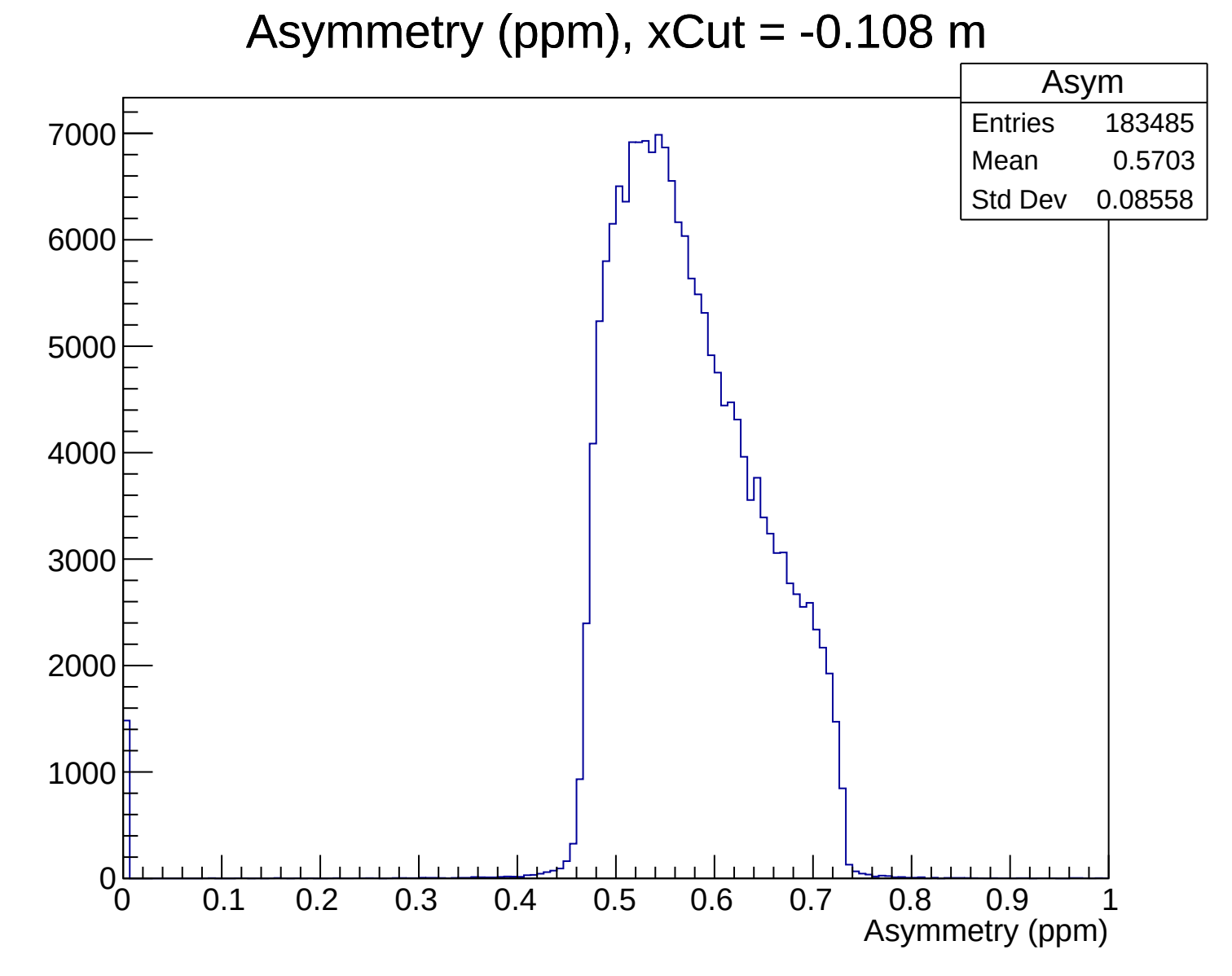

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

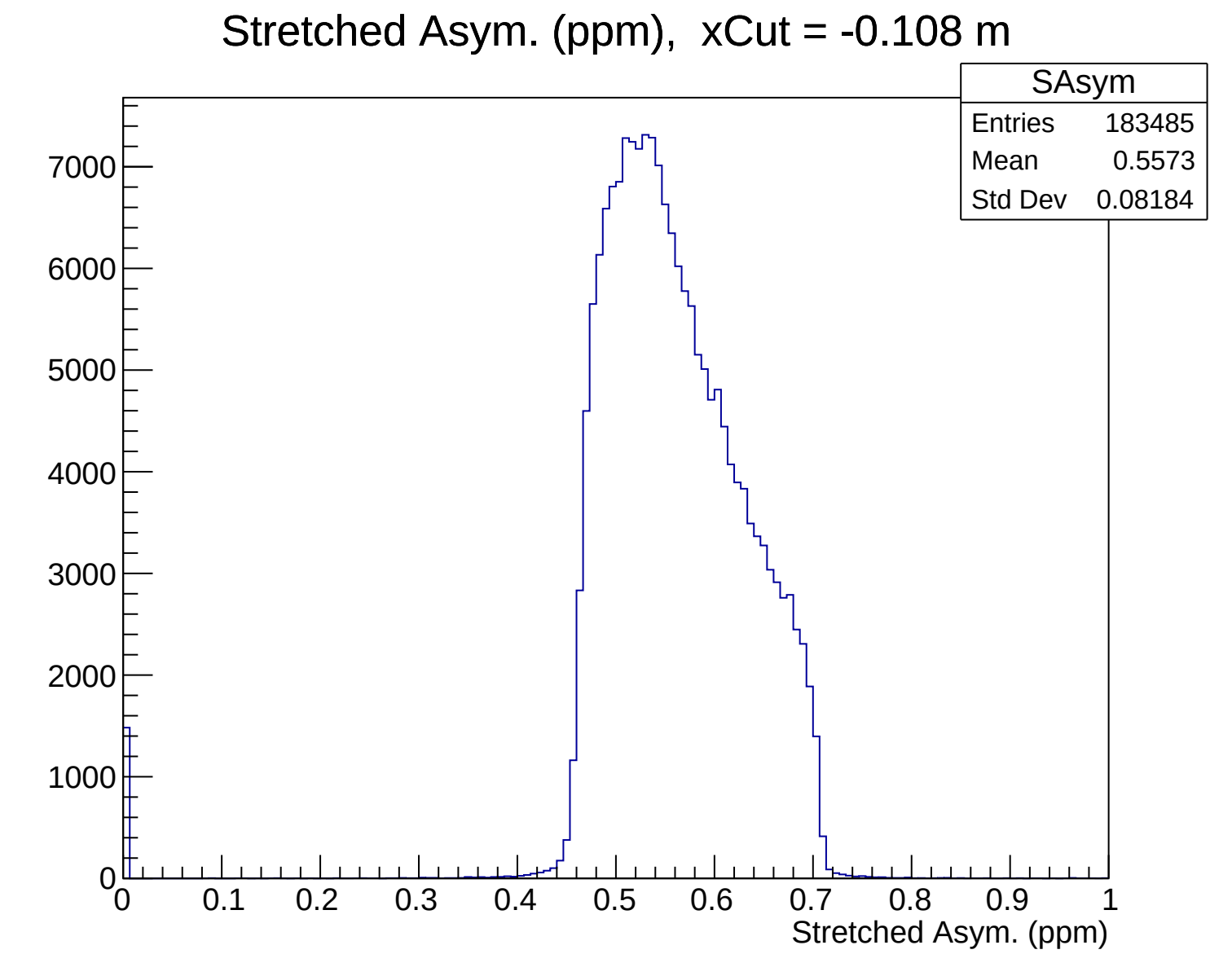

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

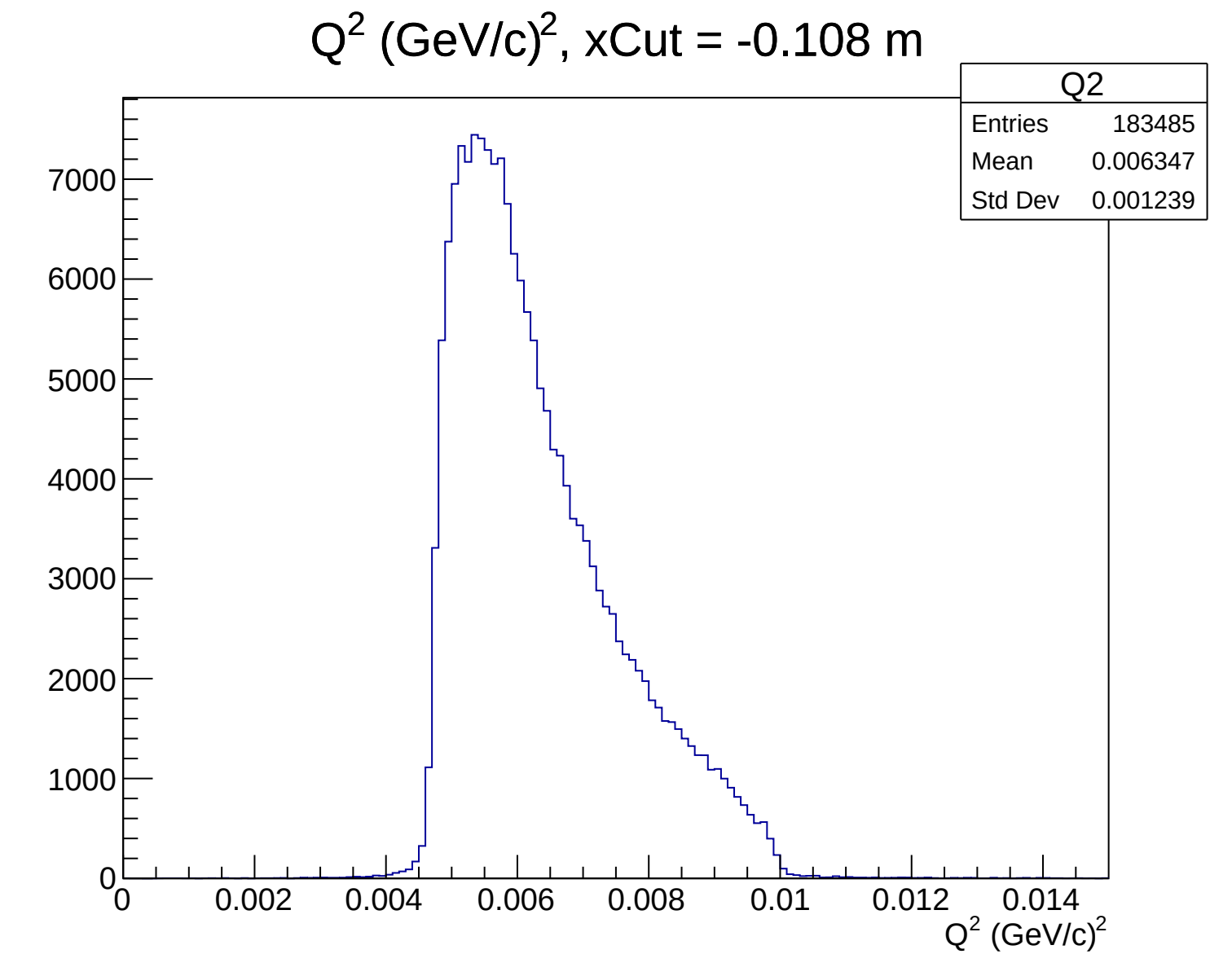

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.108
R.tr.x[0]+1.3*R.tr.th[0] (m)

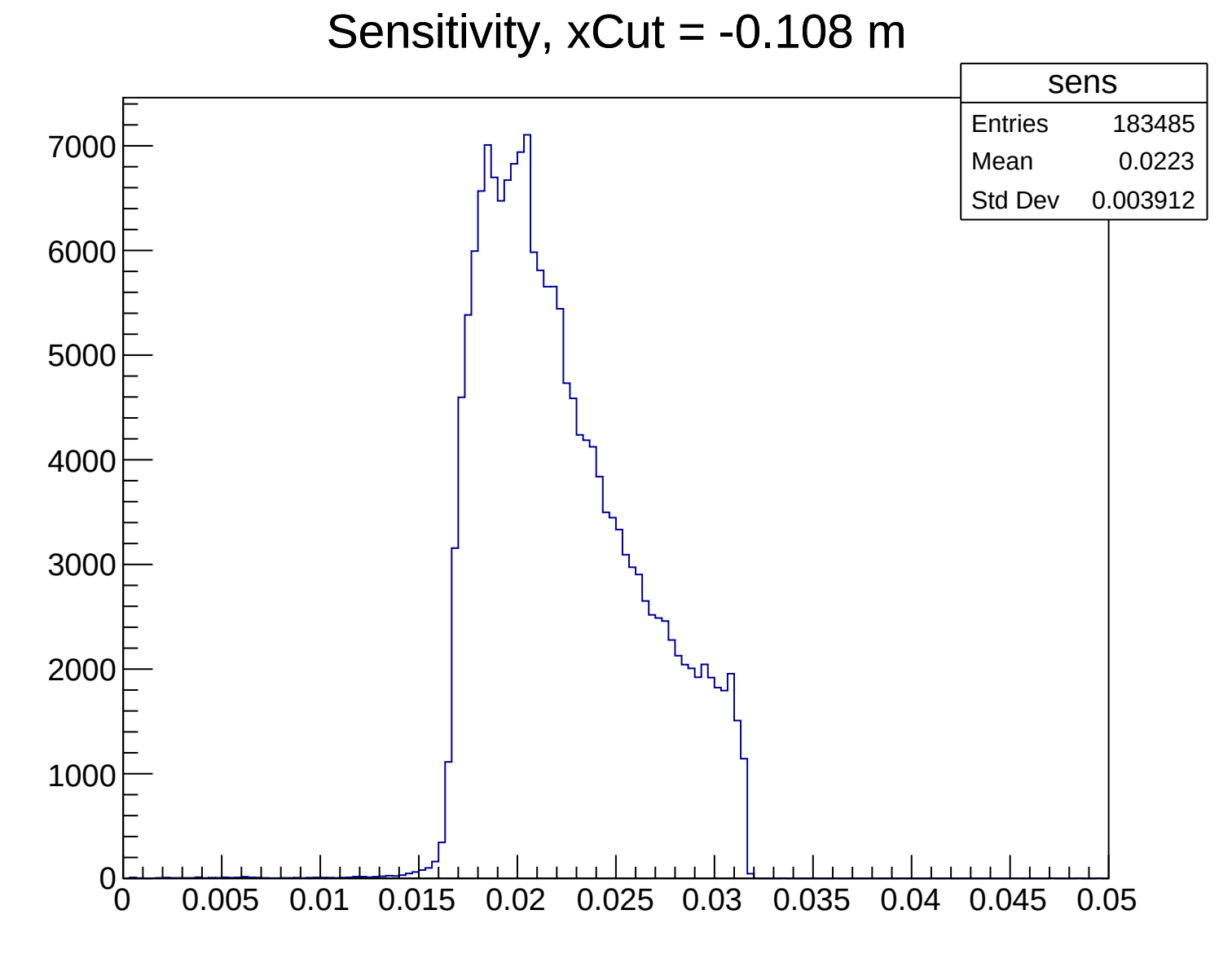

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

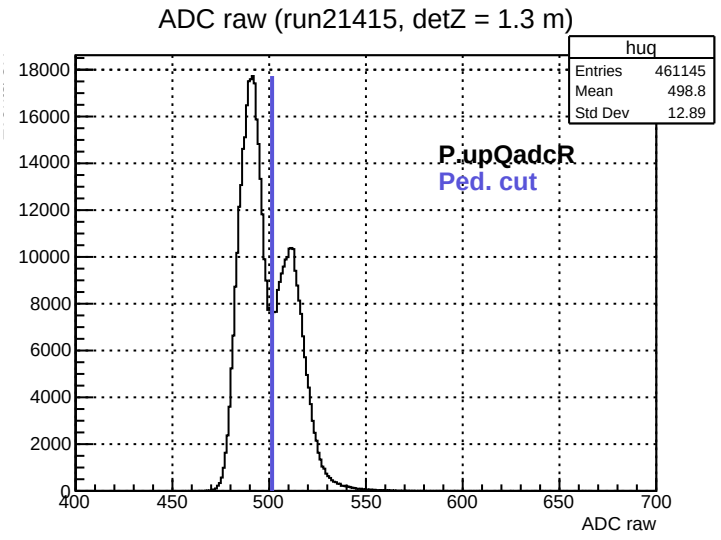

θlab (deg), xCut = -0.108 m
Theta
Entries 183485
Mean 4.794
Std Dev 0.4583
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

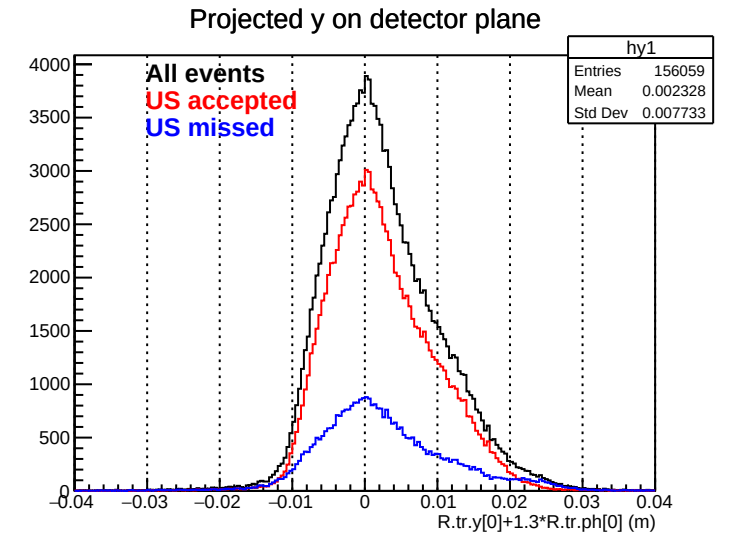

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 183485
Mean 0.5703
Std Dev 0.08558
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

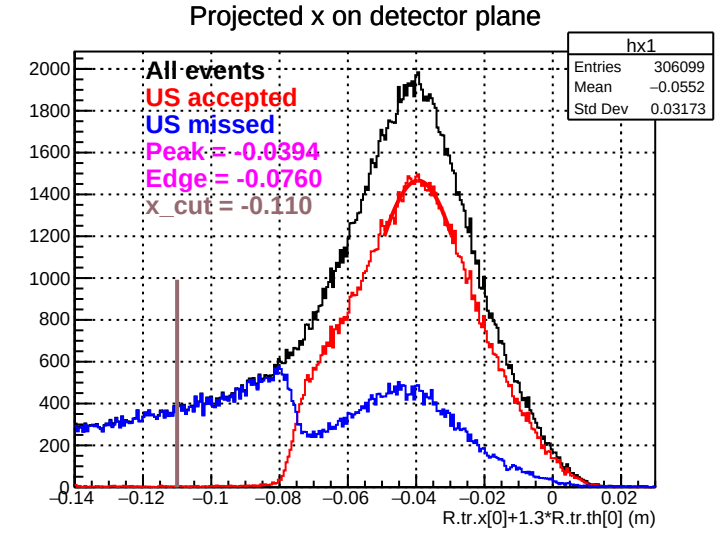

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 183485
Mean 0.5573
Std Dev 0.08184
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

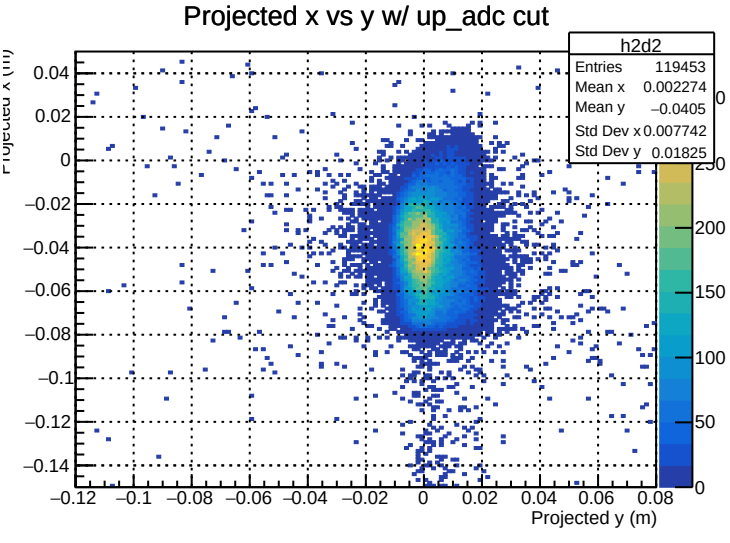

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 183485
Mean 0.006347
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

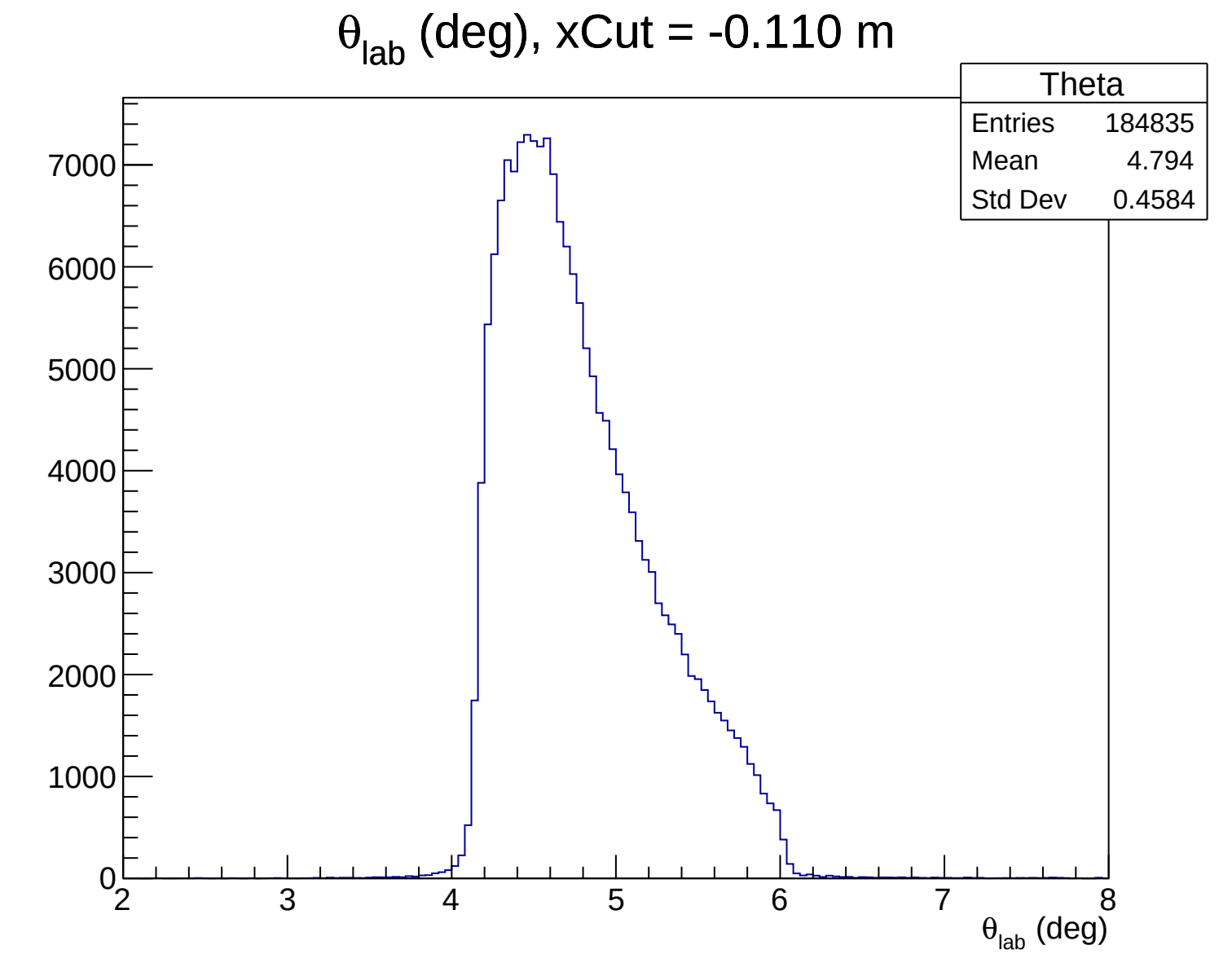

Sensitivity, xCut = -0.108 m
sens
Entries 183485
Mean 0.0223
Std Dev 0.003912
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

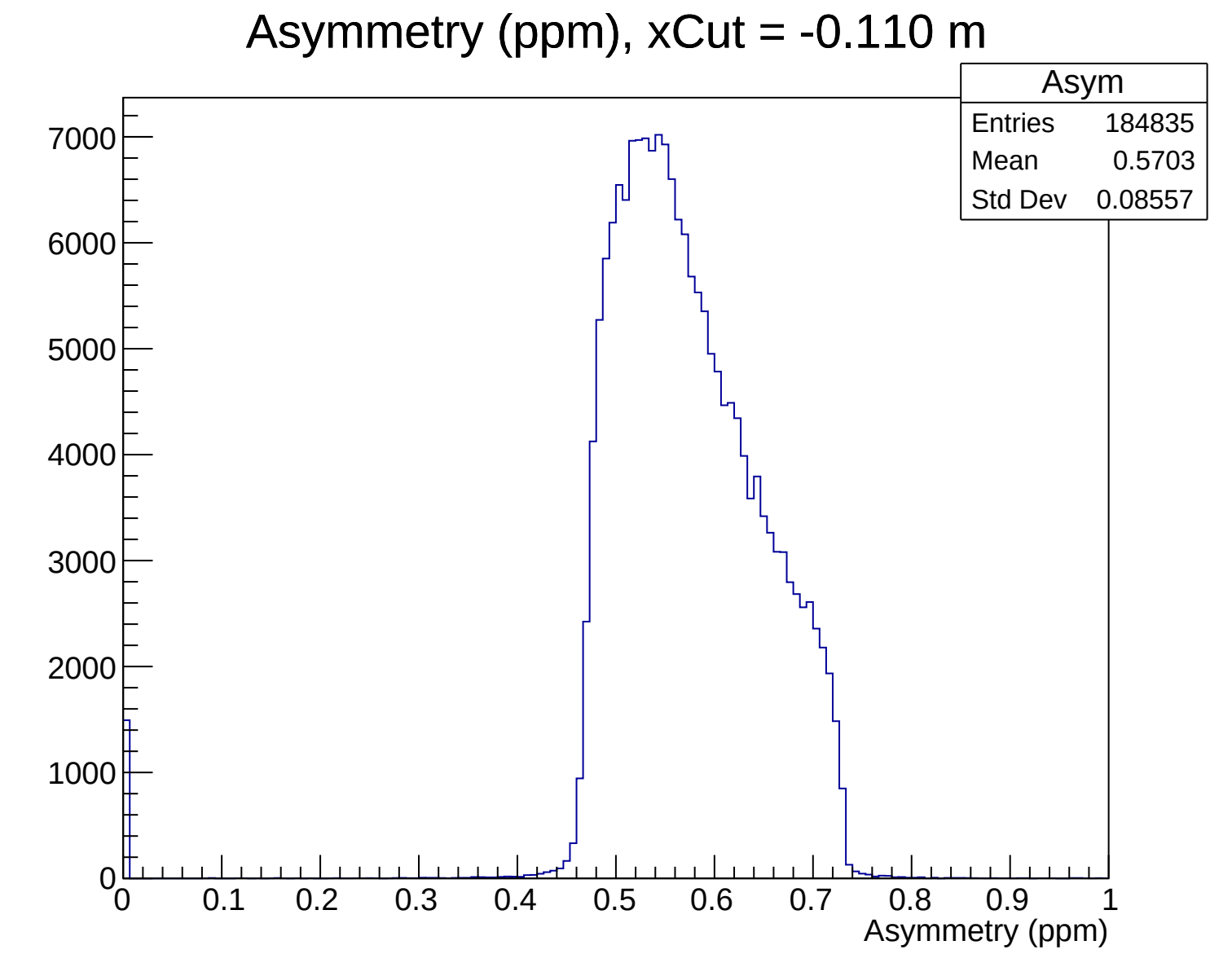

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

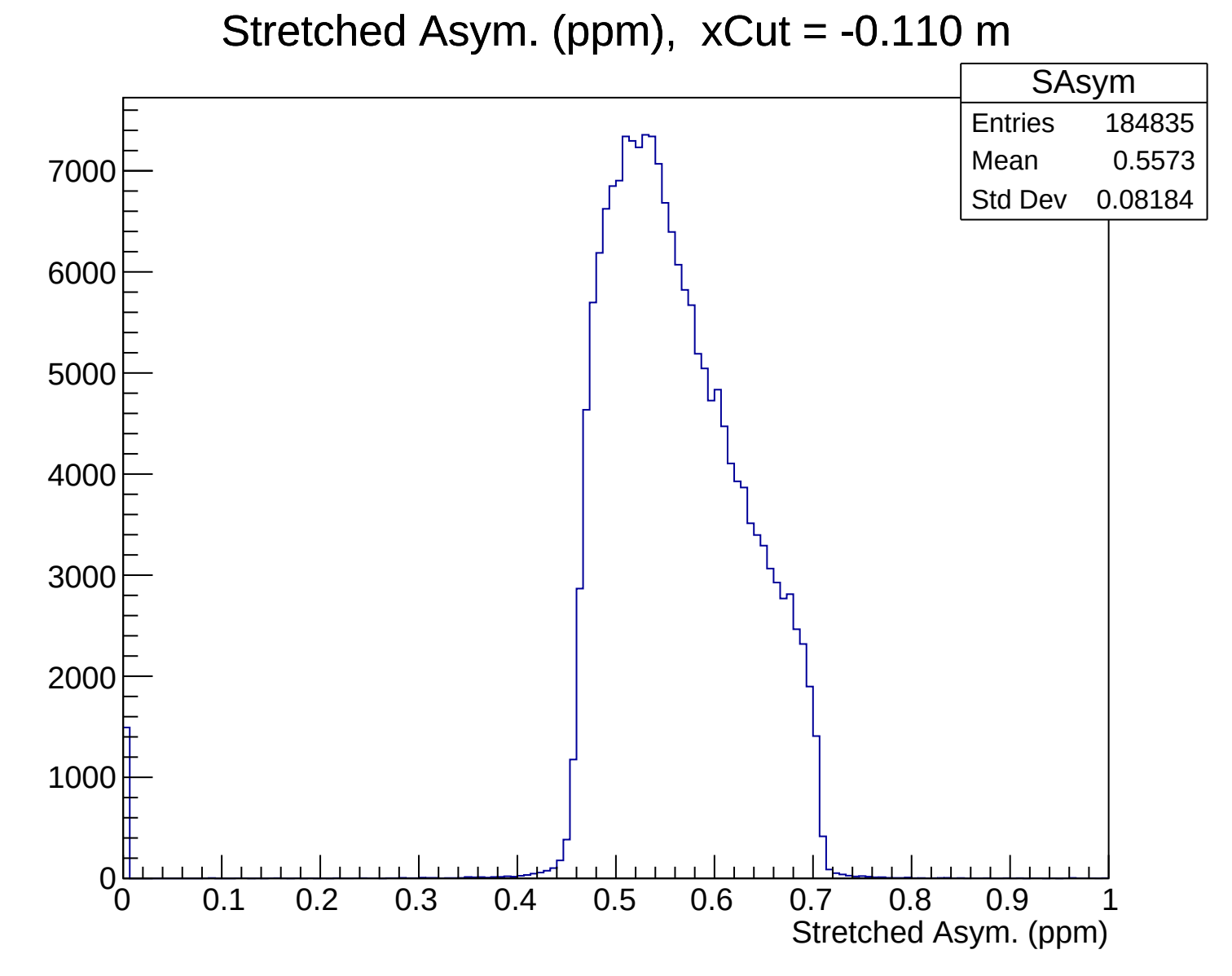

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

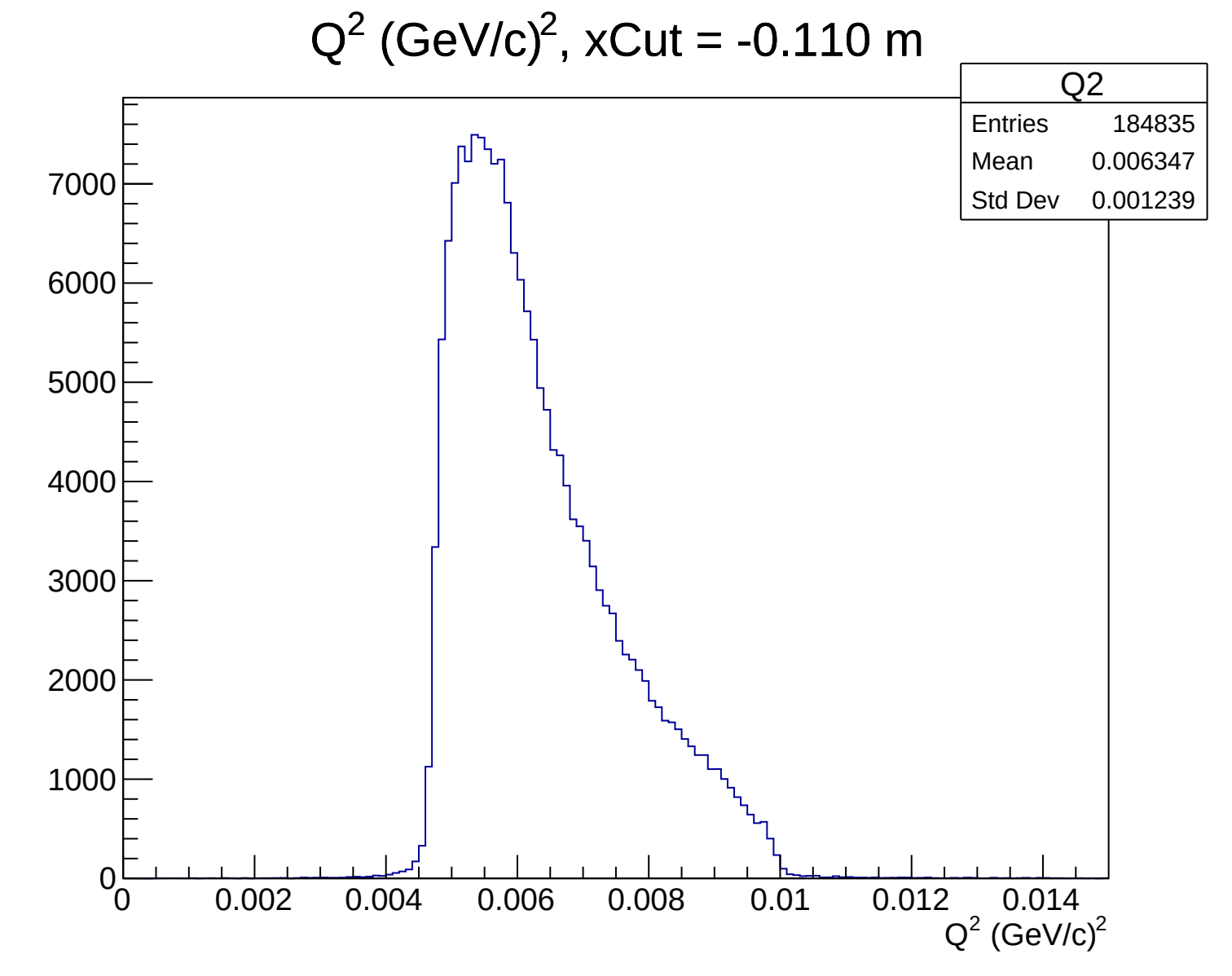

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.110
R.tr.x[0]+1.3*R.tr.th[0] (m)

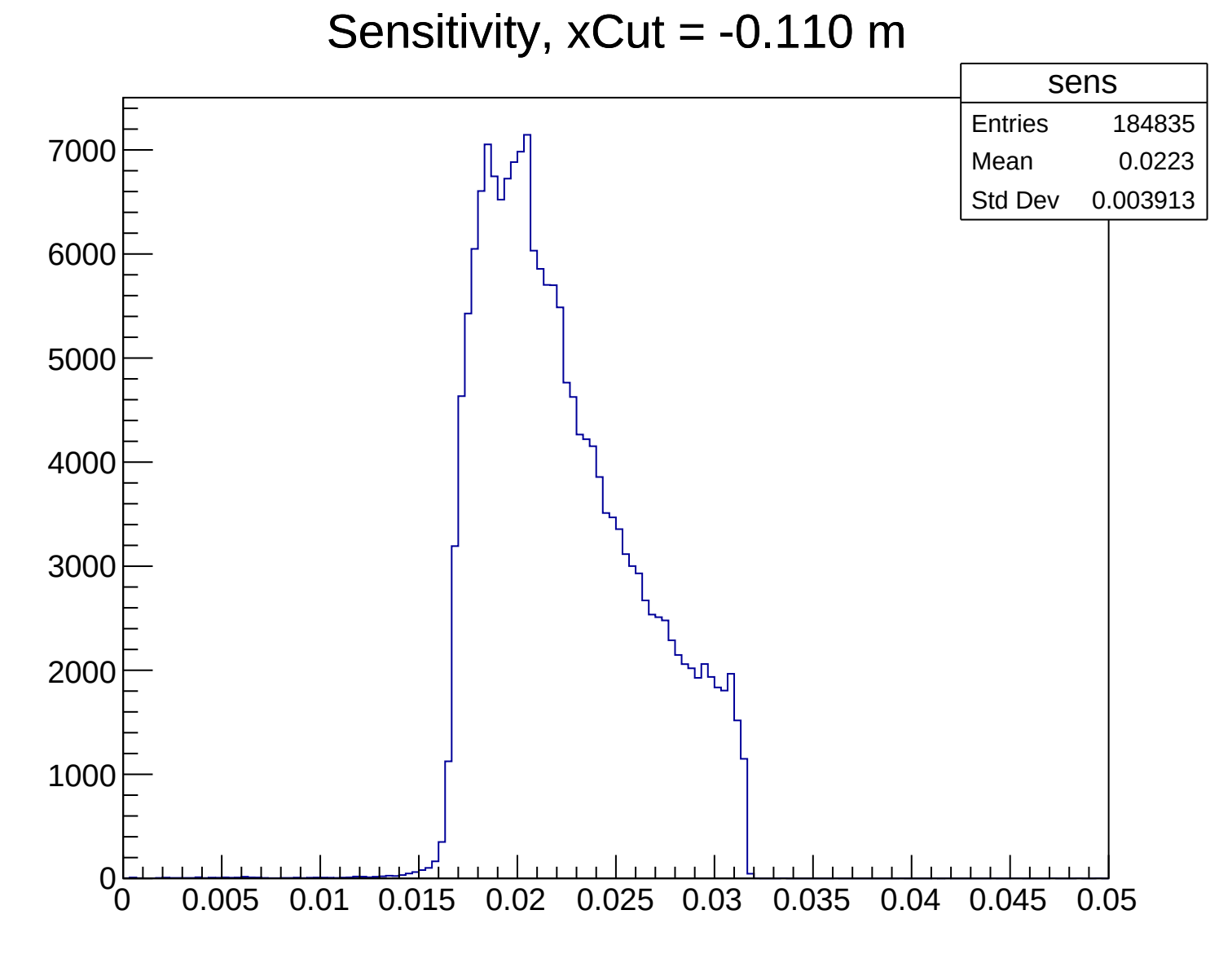

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

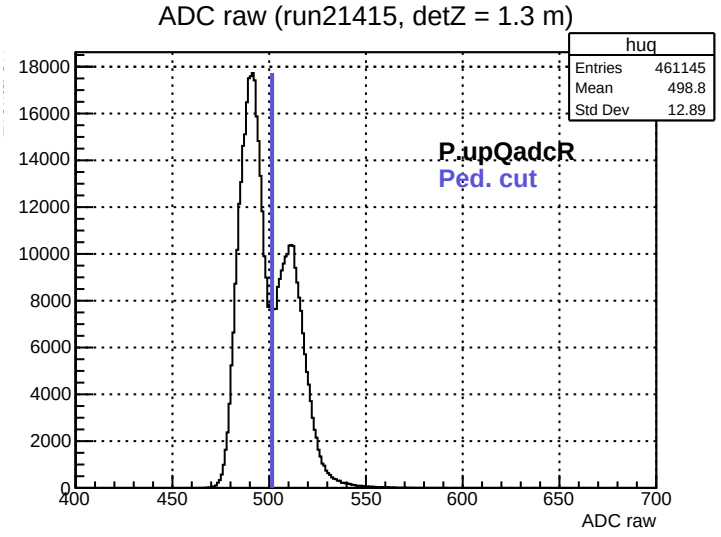

θlab (deg), xCut = -0.110 m
Theta
Entries 184835
Mean 4.794
Std Dev 0.4584
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

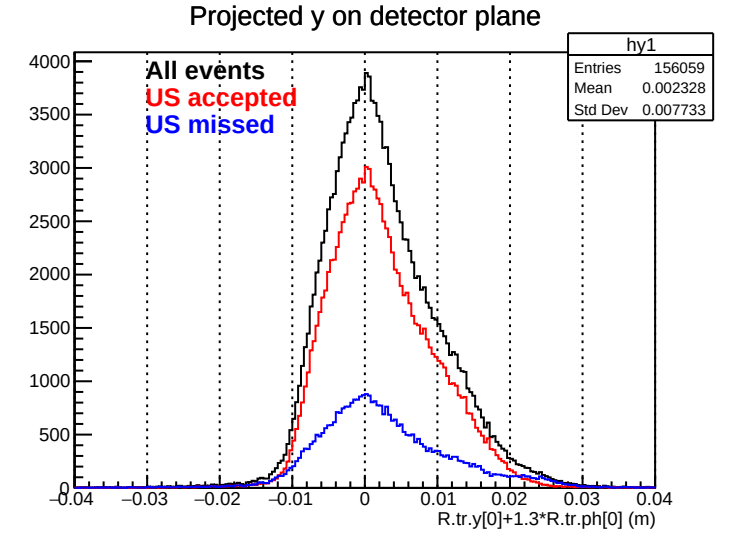

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 184835
Mean 0.5703
Std Dev 0.08557
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

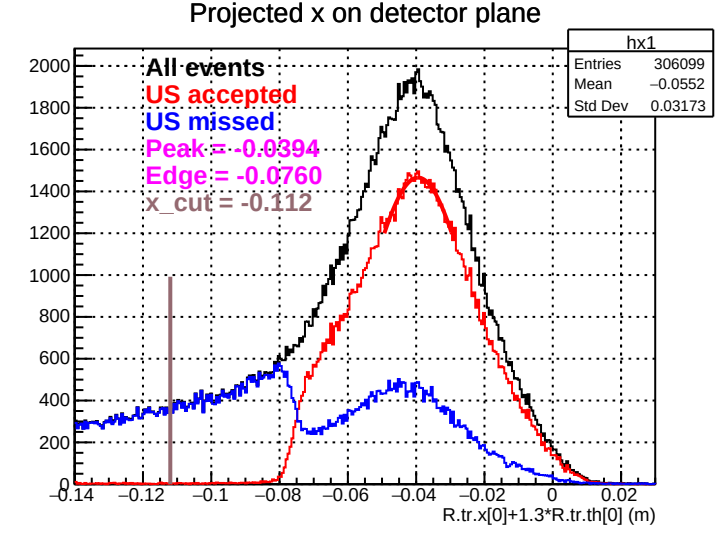

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 184835
Mean 0.5573
Std Dev 0.08184
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

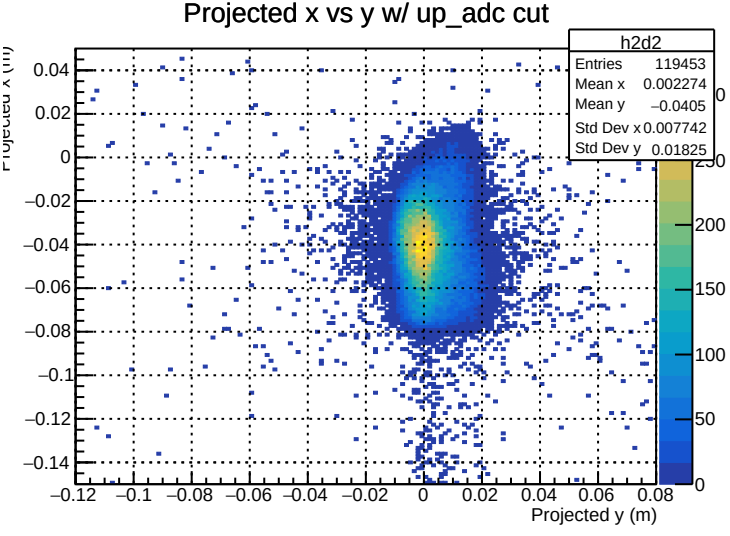

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 184835
Mean 0.006347
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

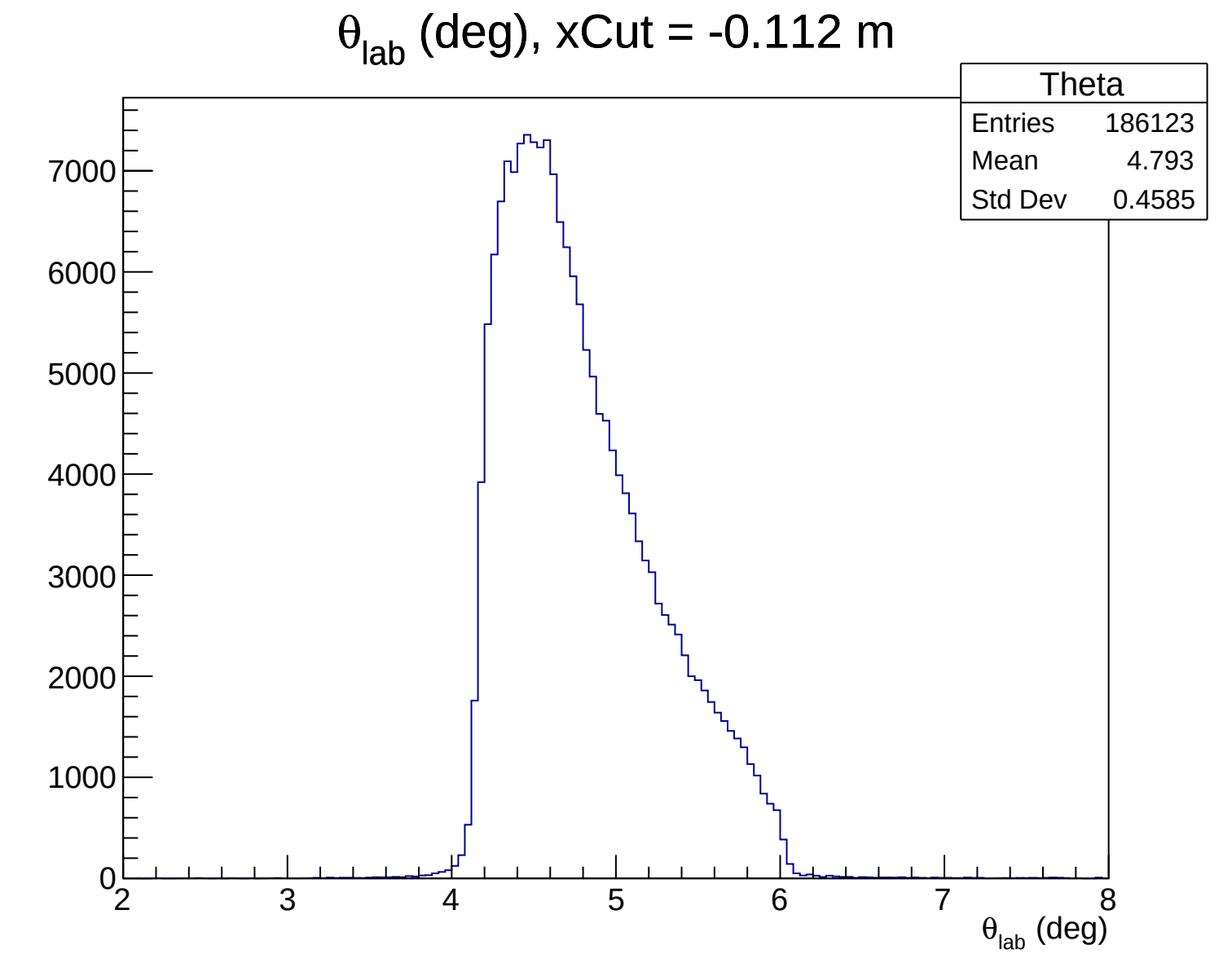

Sensitivity, xCut = -0.110 m
sens
Entries 184835
Mean 0.0223
Std Dev 0.003913
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

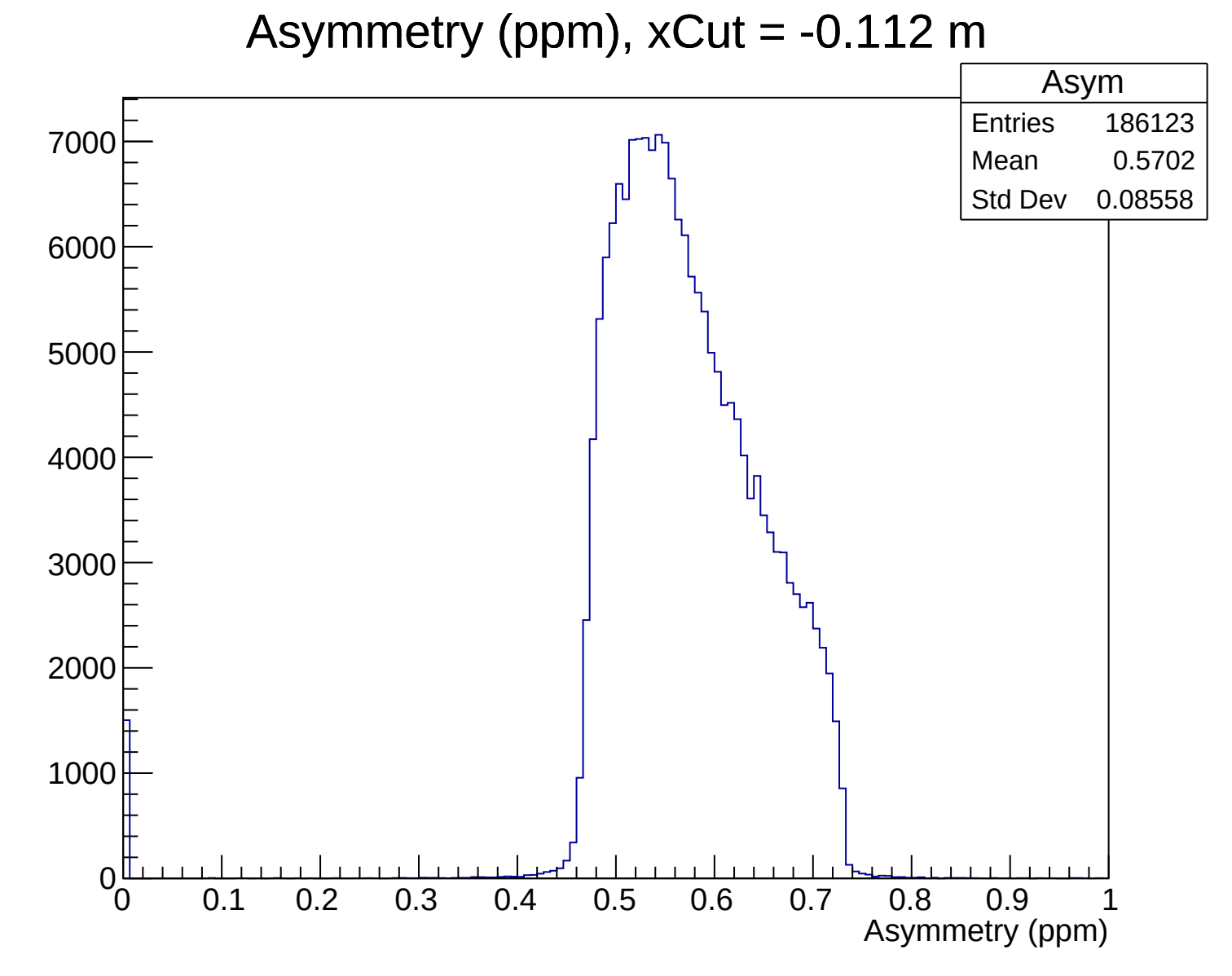

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

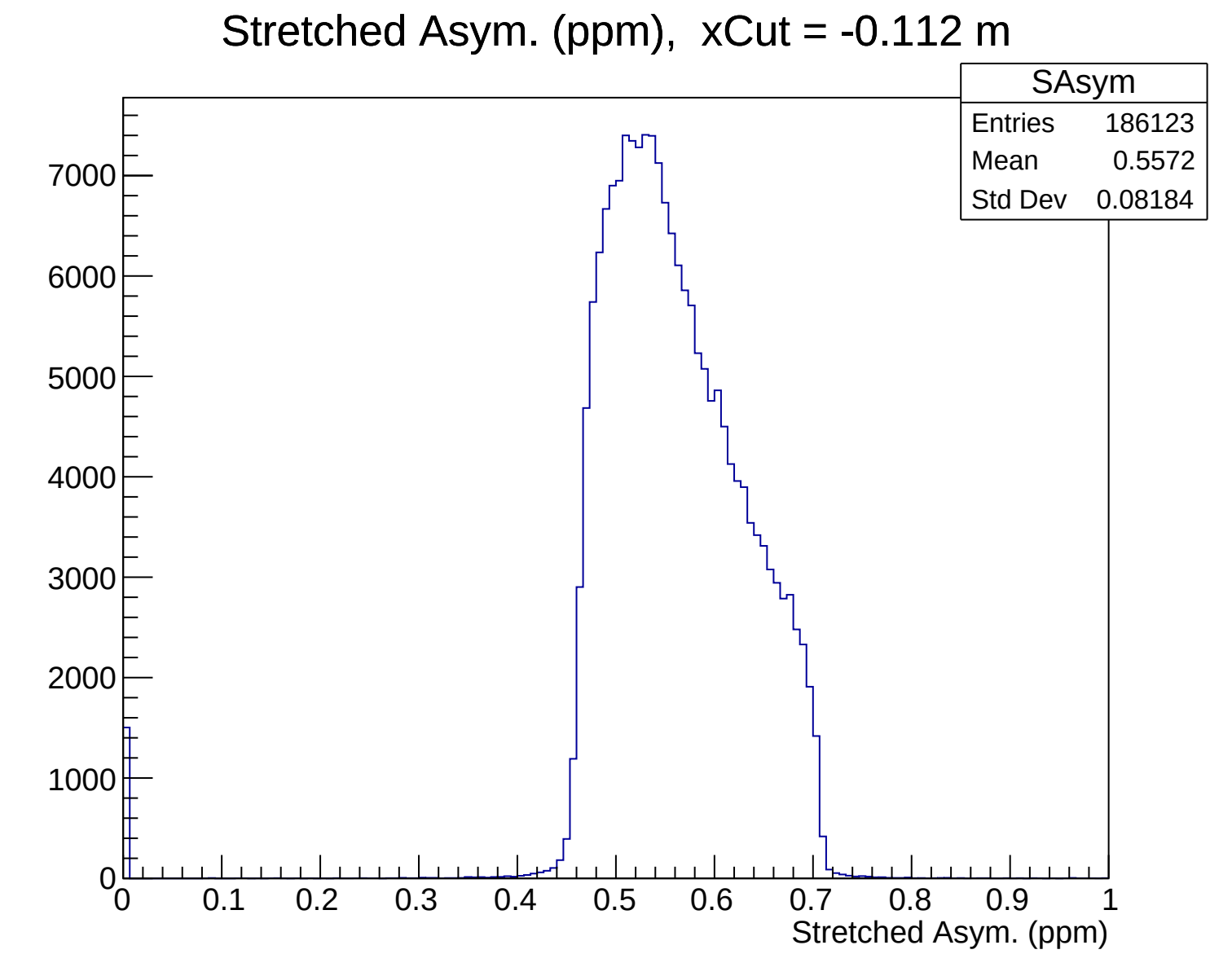

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

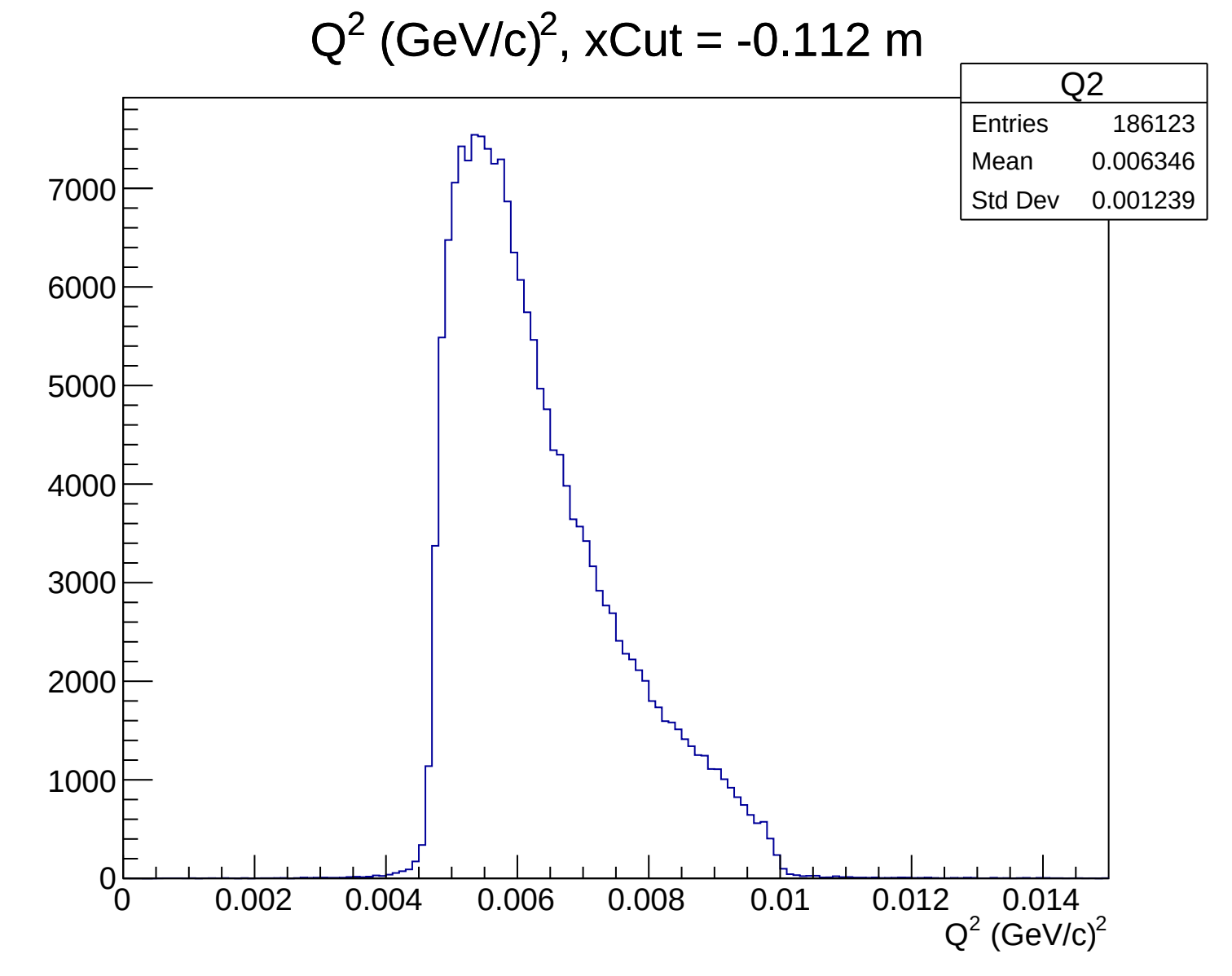

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.112
R.tr.x[0]+1.3*R.tr.th[0] (m)

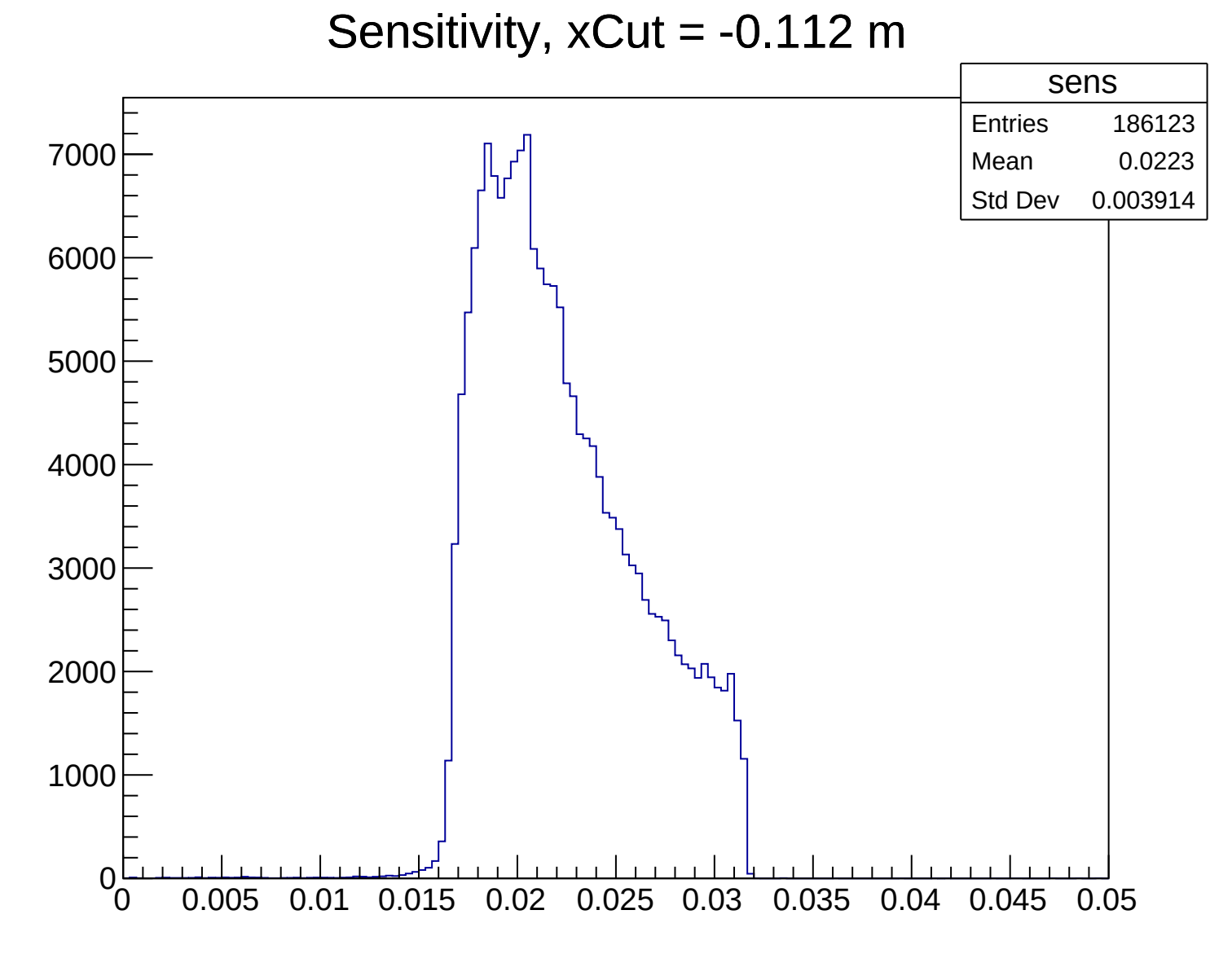

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)

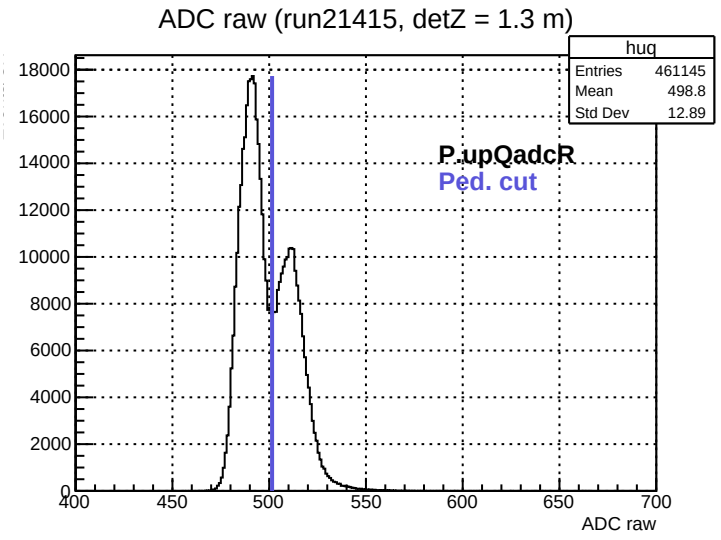

θlab (deg), xCut = -0.112 m
Theta
Entries 186123
Mean 4.793
Std Dev 0.4585
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

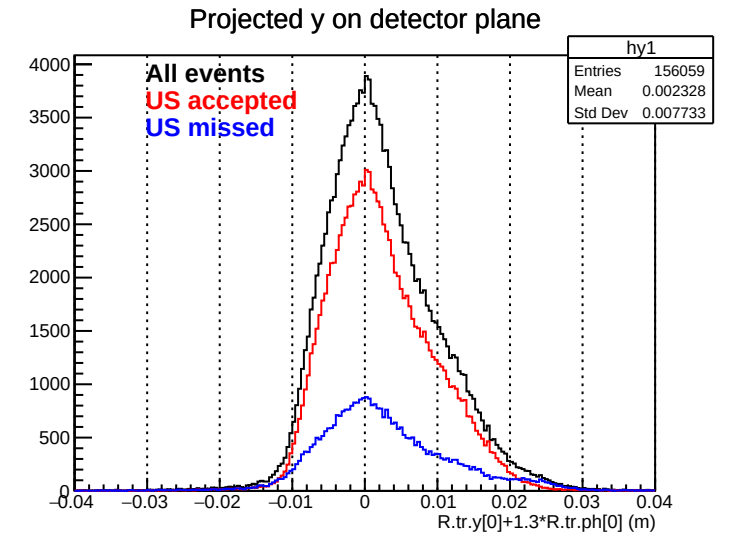

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 186123
Mean 0.5702
Std Dev 0.08558
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

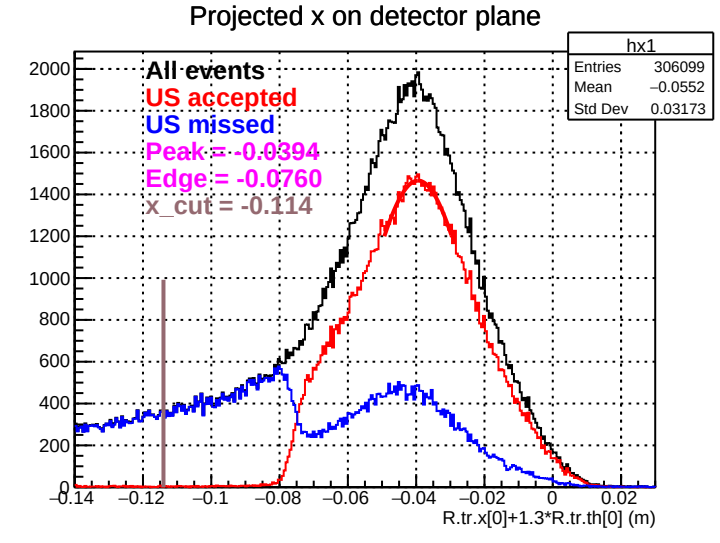

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 186123
Mean 0.5572
Std Dev 0.08184
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

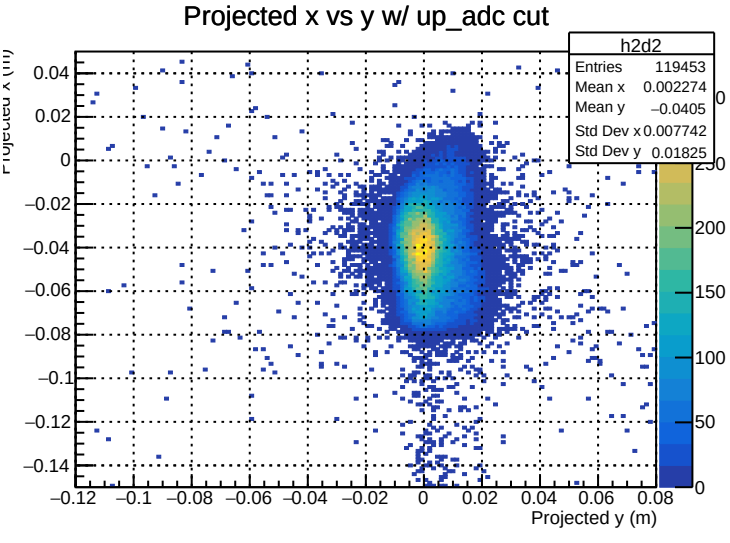

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 186123
Mean 0.006346
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

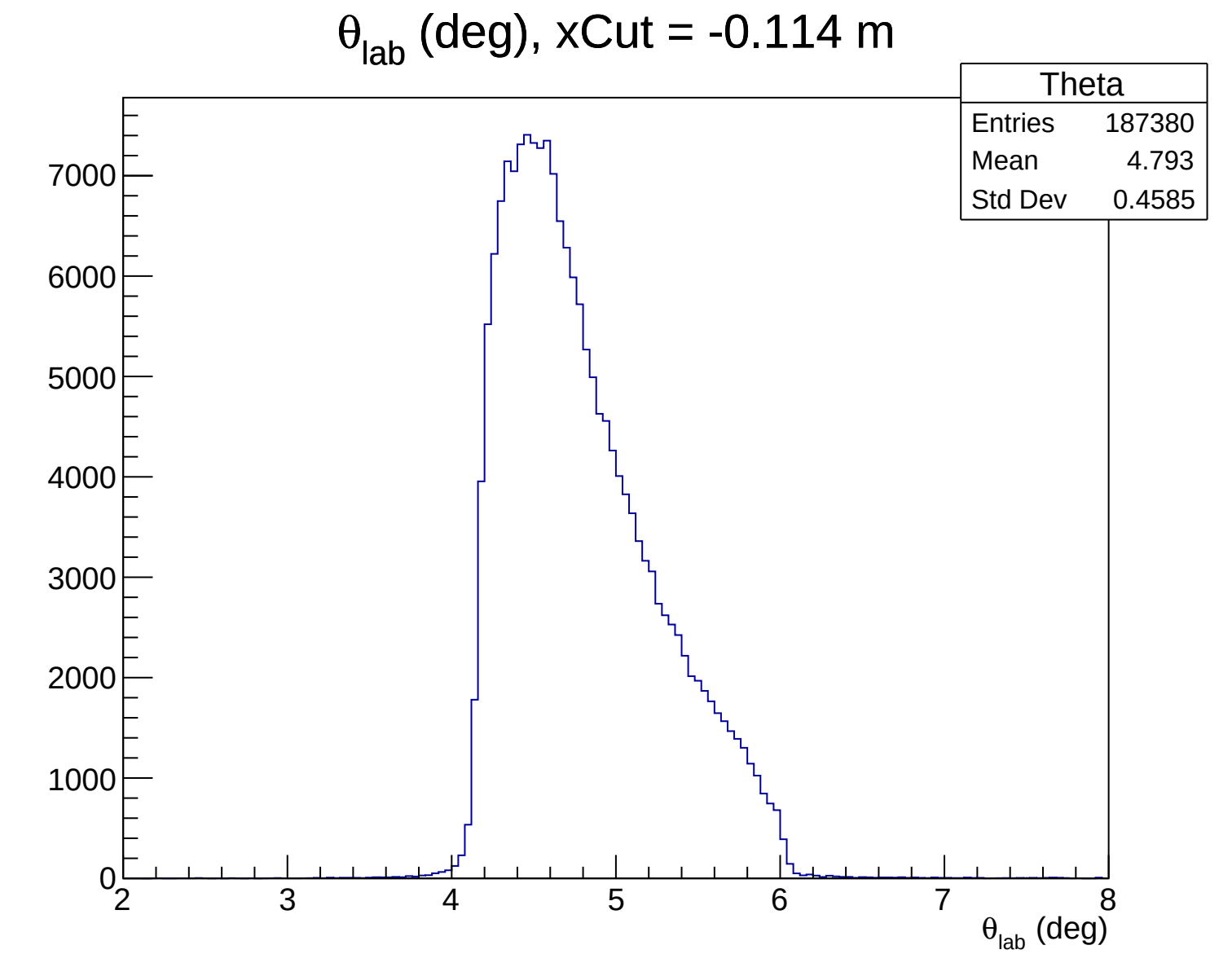

Sensitivity, xCut = -0.112 m
sens
Entries 186123
Mean 0.0223
Std Dev 0.003914
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

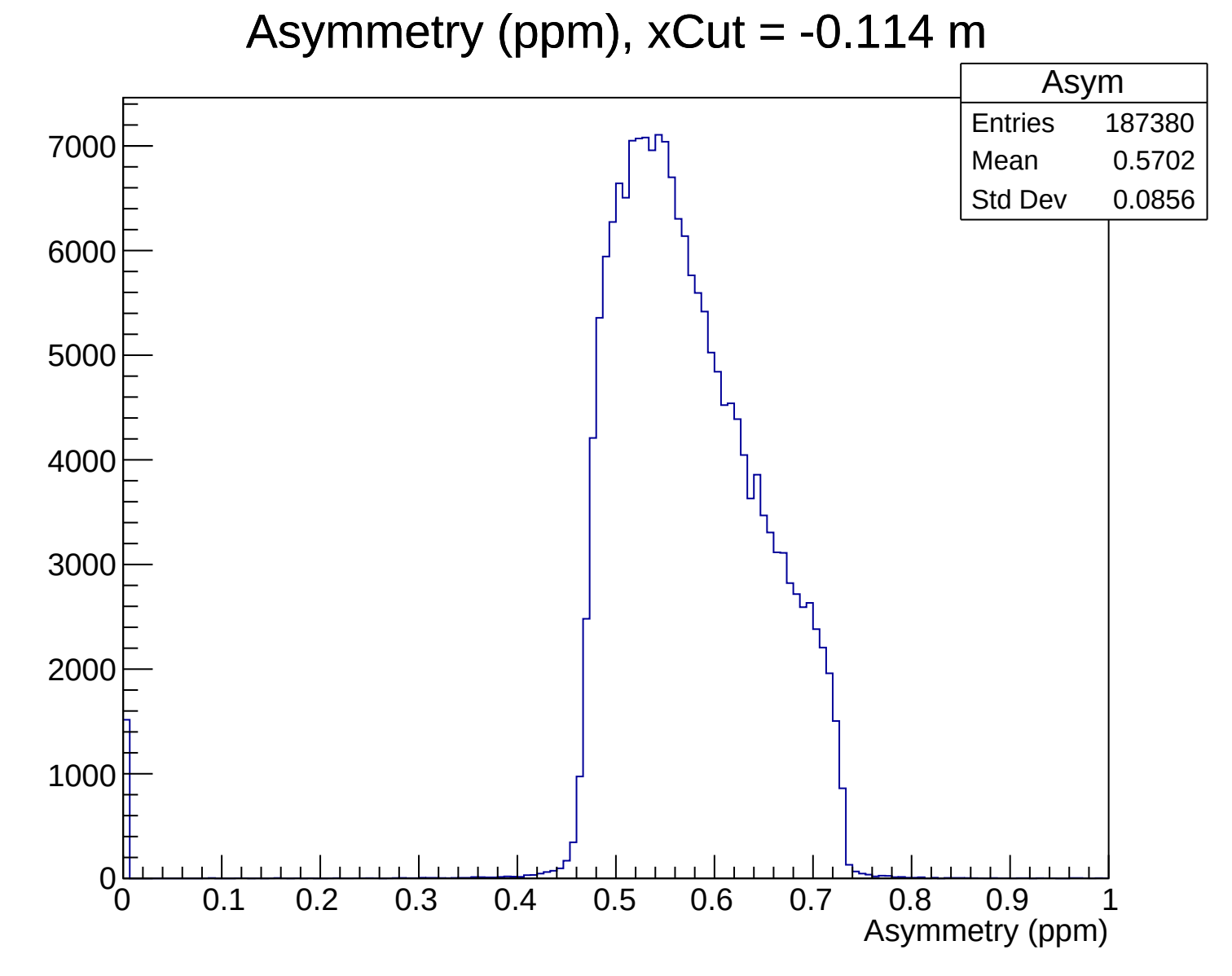

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.89
P.upQadcR
Ped. cut
ADC raw

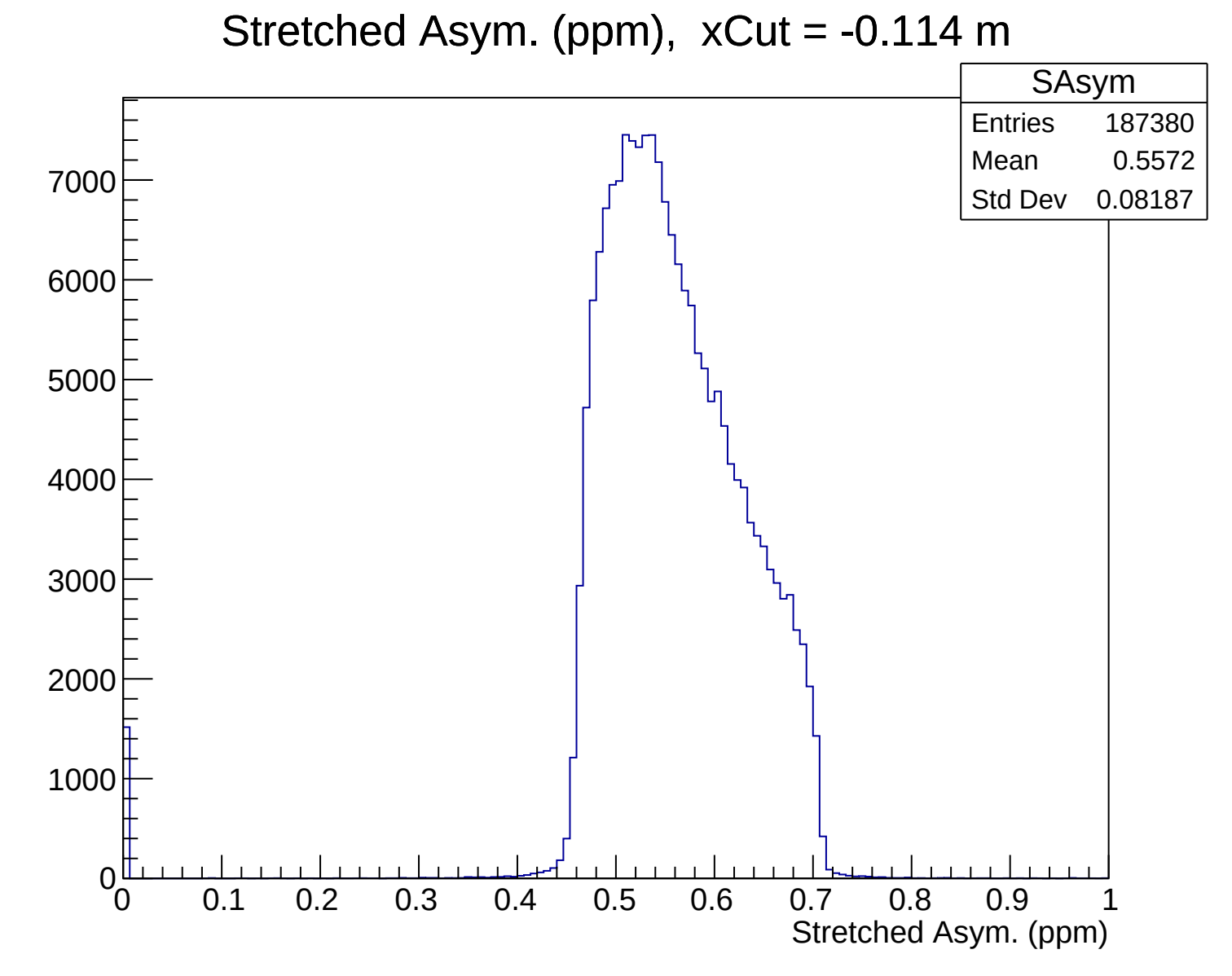

Projected y on detector plane
hy1
Entries 156059
Mean 0.002328
Std Dev 0.007733
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

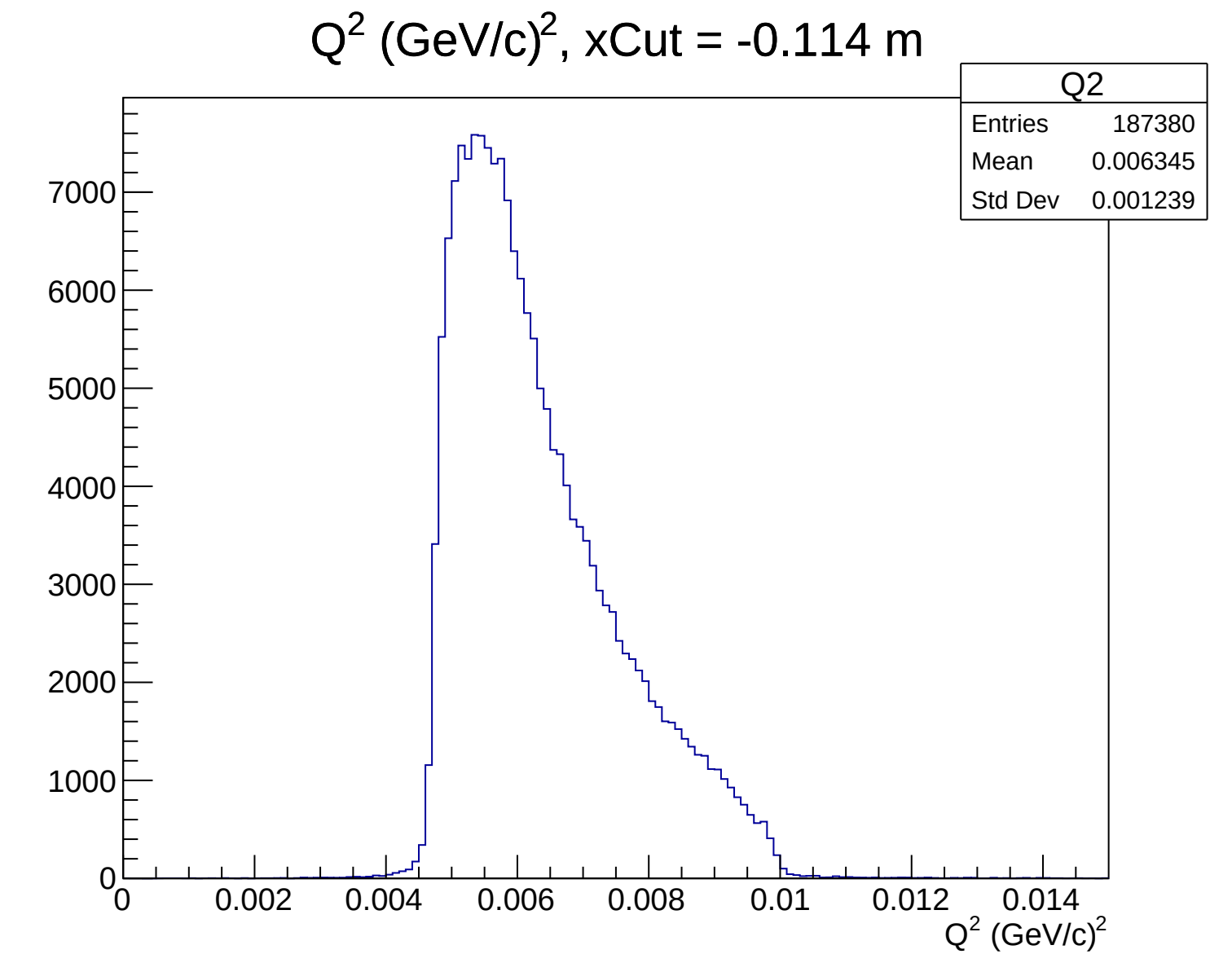

Projected x on detector plane
hx1
Entries 306099
Mean –0.0552
Std Dev 0.03173
All events
US accepted
US missed
Peak = -0.0394
Edge = -0.0760
x_cut = -0.114
R.tr.x[0]+1.3*R.tr.th[0] (m)

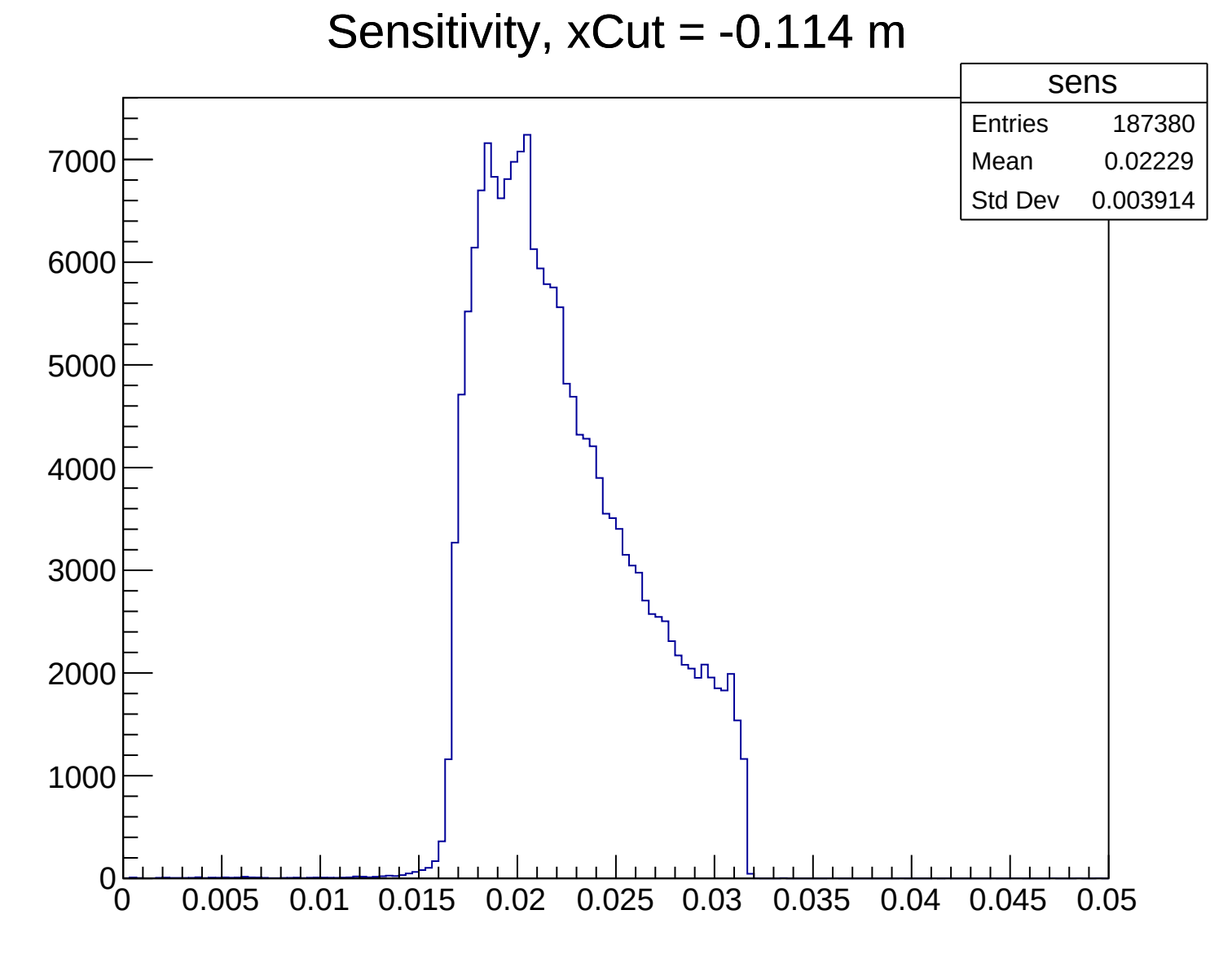

Projected x vs y w/ up_adc cut
h2d2
Entries 119453
Mean x 0.002274
Mean y –0.0405
Std Dev x 0.007742
Std Dev y 0.01825
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 187380
Mean 4.793
Std Dev 0.4585
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 187380
Mean 0.5702
Std Dev 0.0856
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), xCut = -0.114 m
SAsym
Entries 187380
Mean 0.5572
Std Dev 0.08187
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, xCut = -0.114 m
Q2
Entries 187380
Mean 0.006345
Std Dev 0.001239
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, xCut = -0.114 m
sens
Entries 187380
Mean 0.02229
Std Dev 0.003914
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