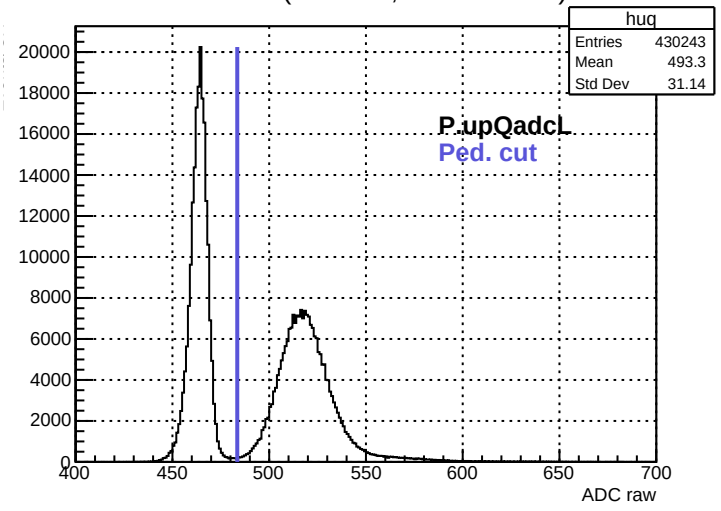
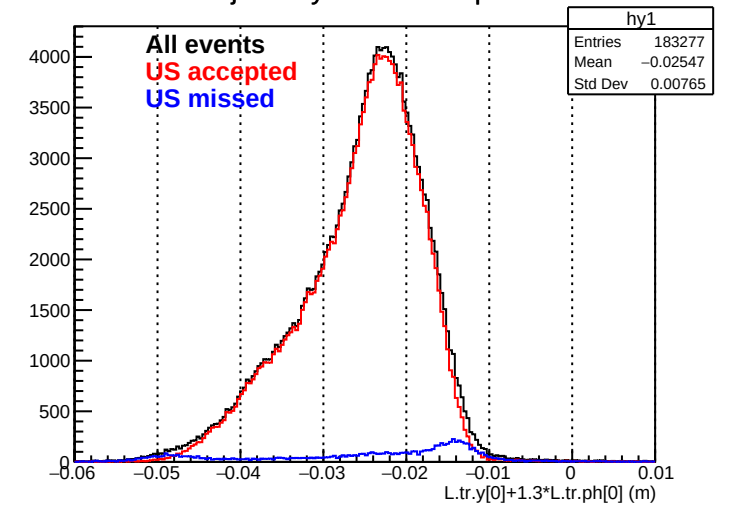
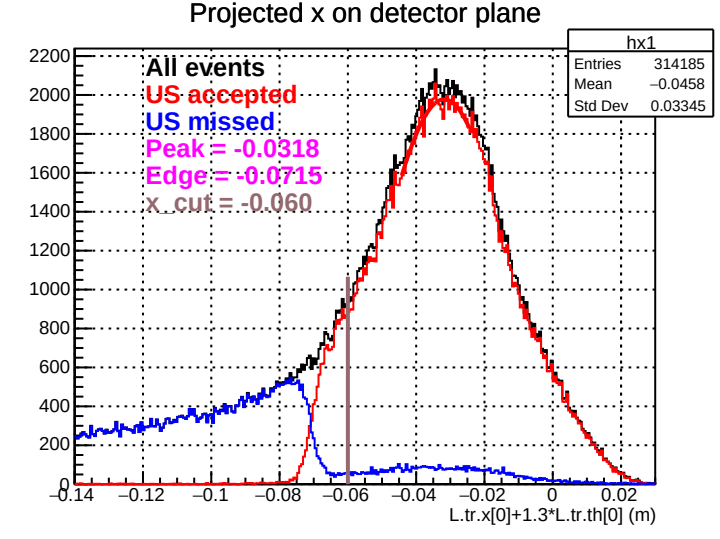
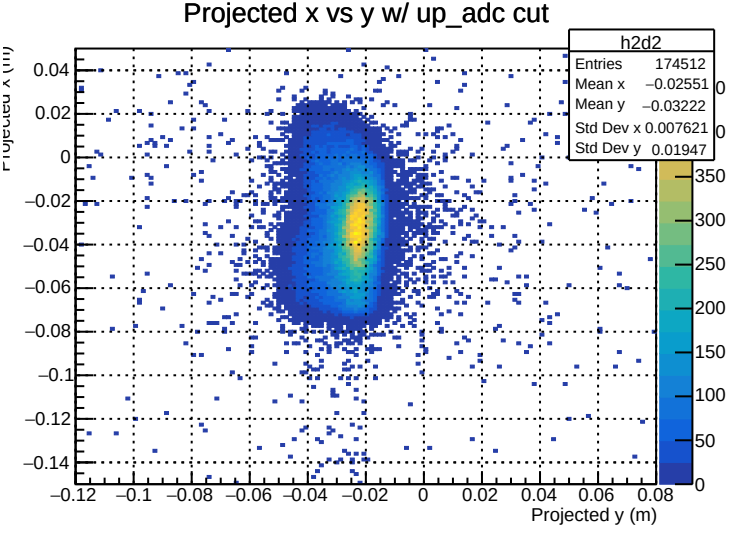
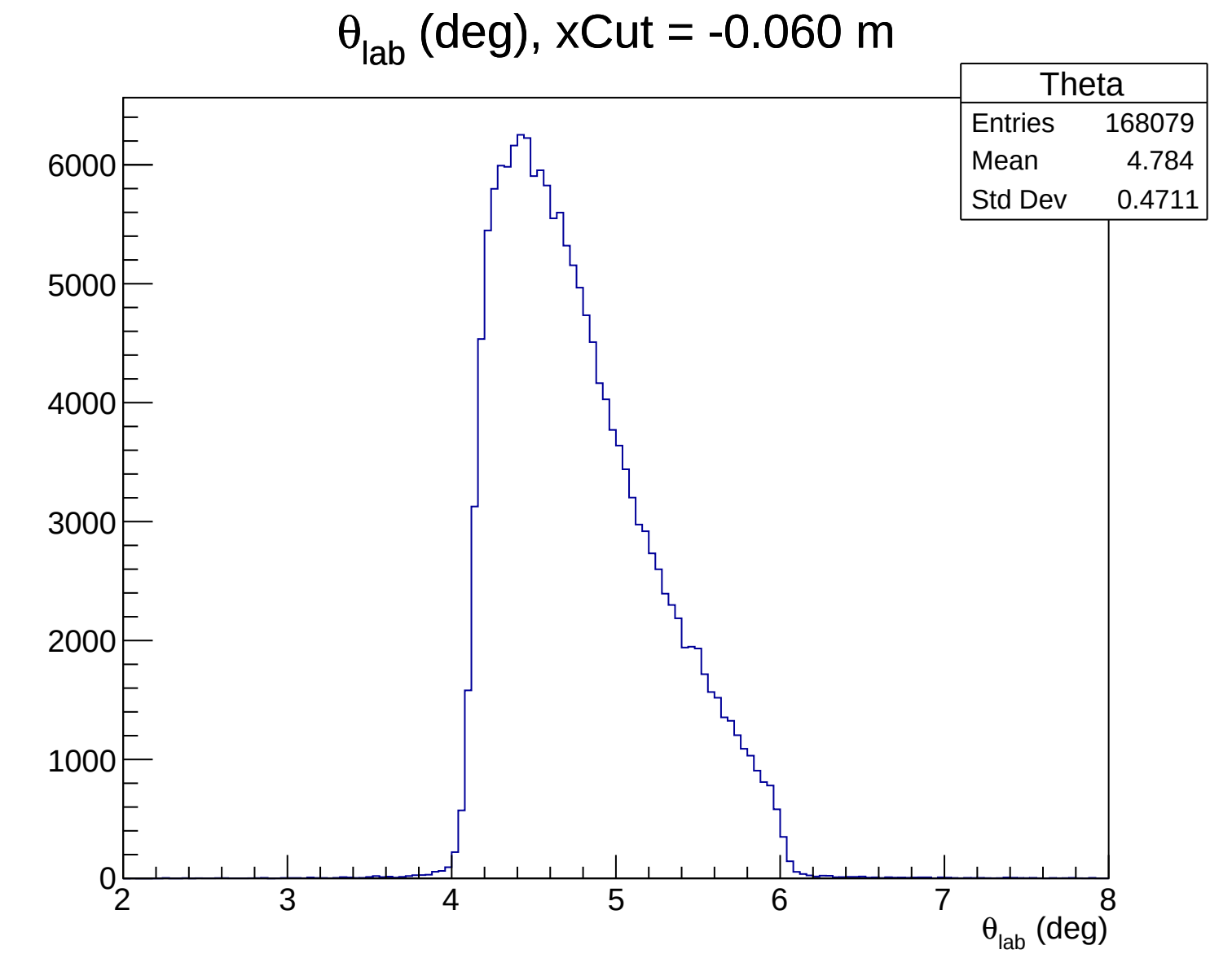
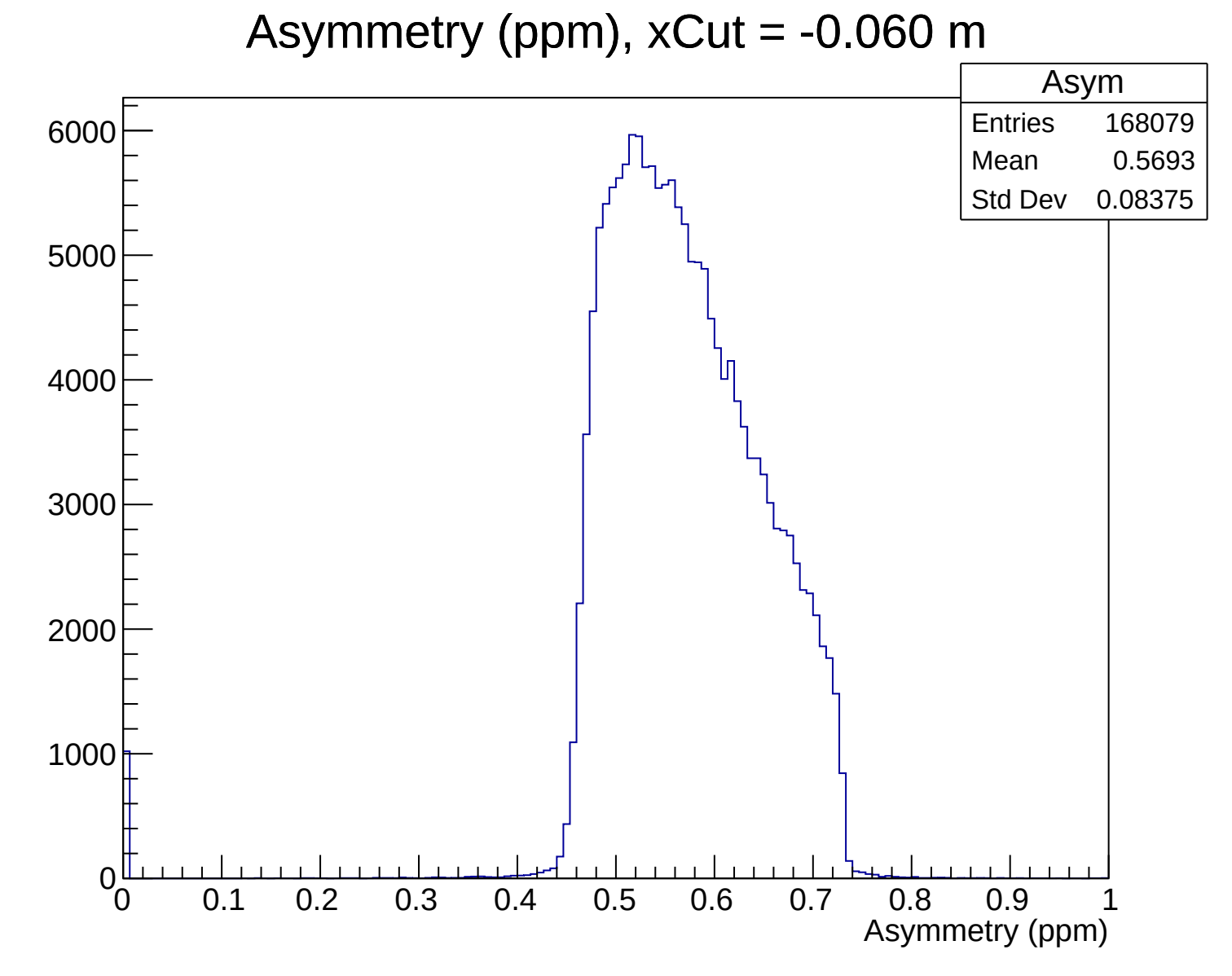

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

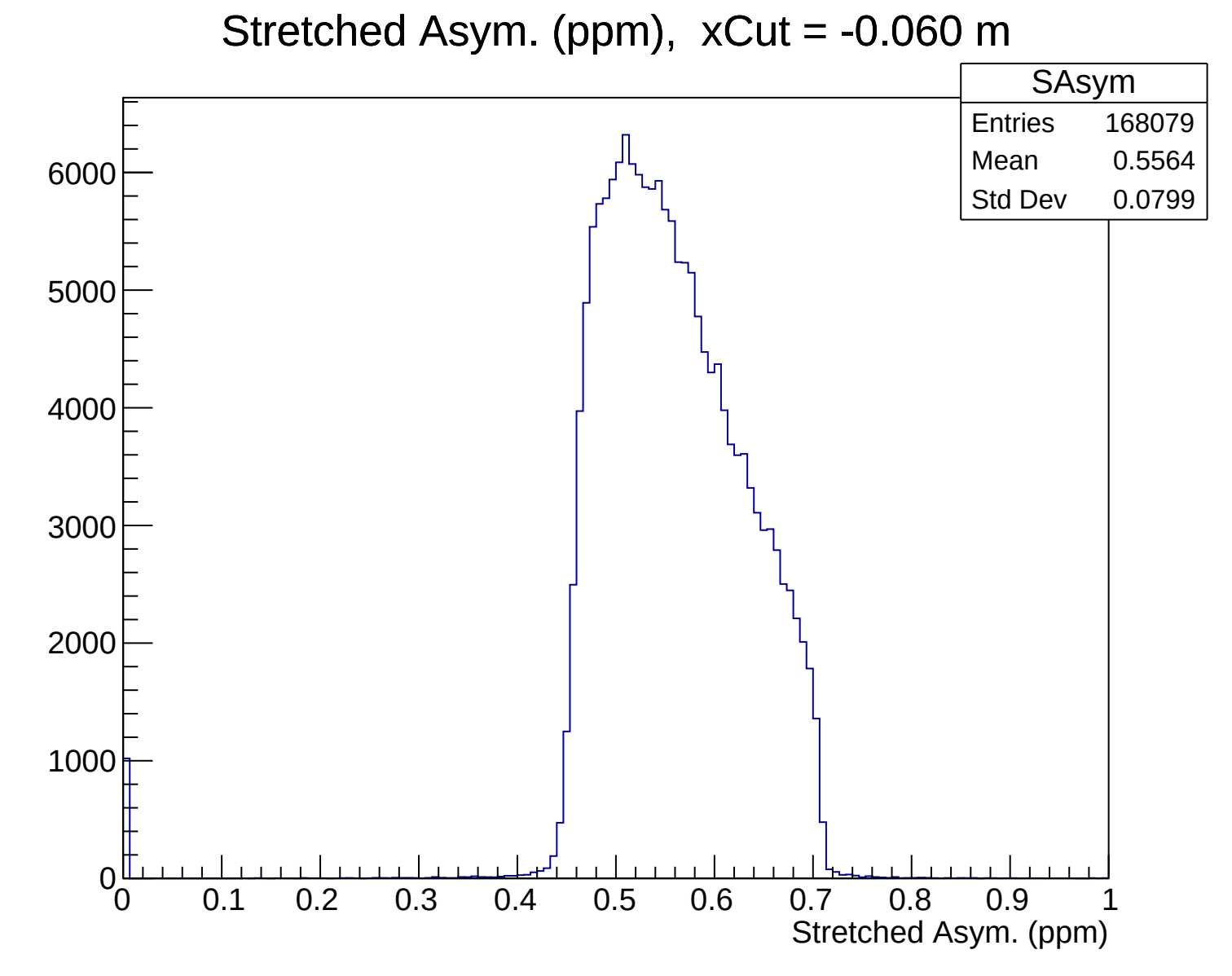

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

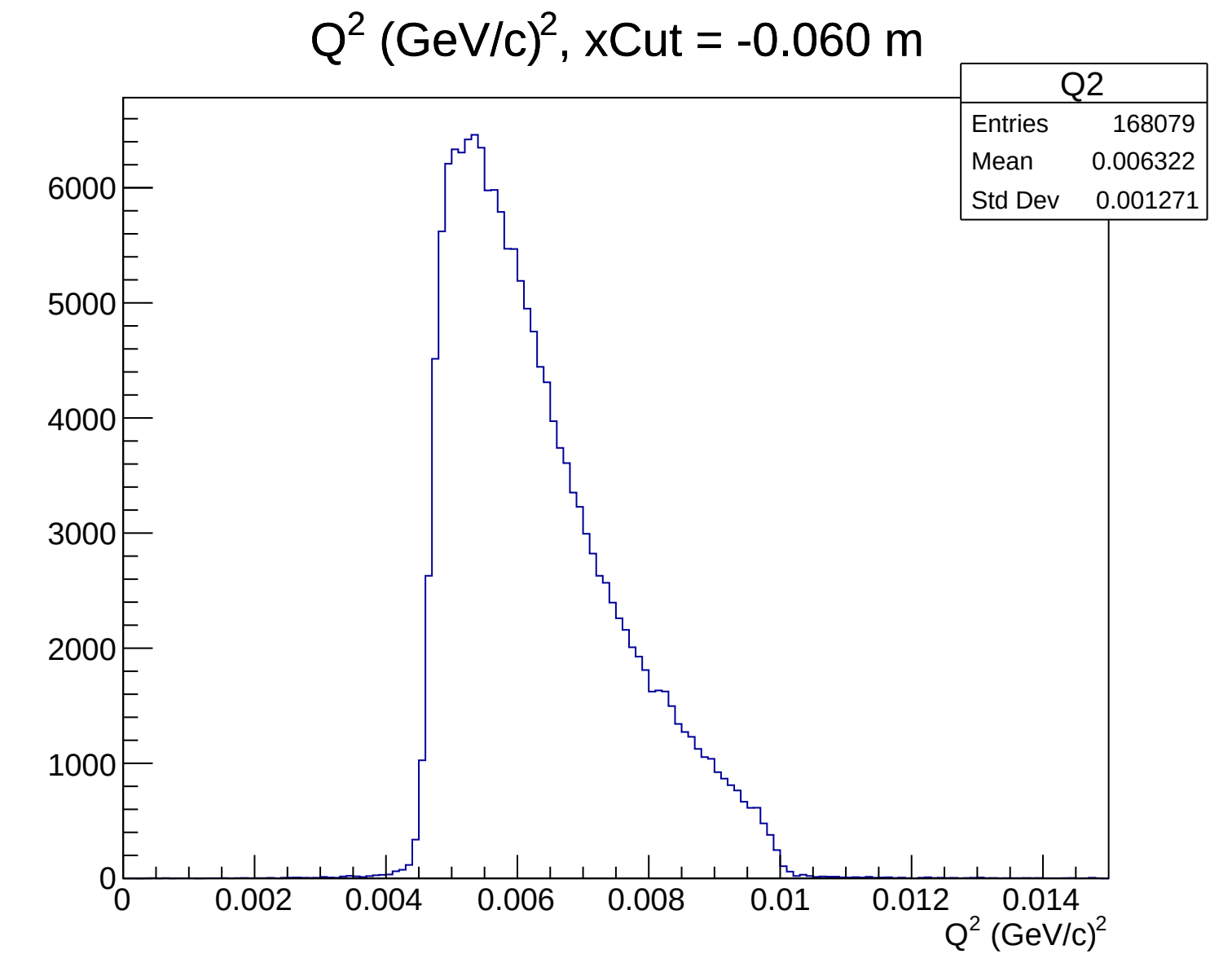

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

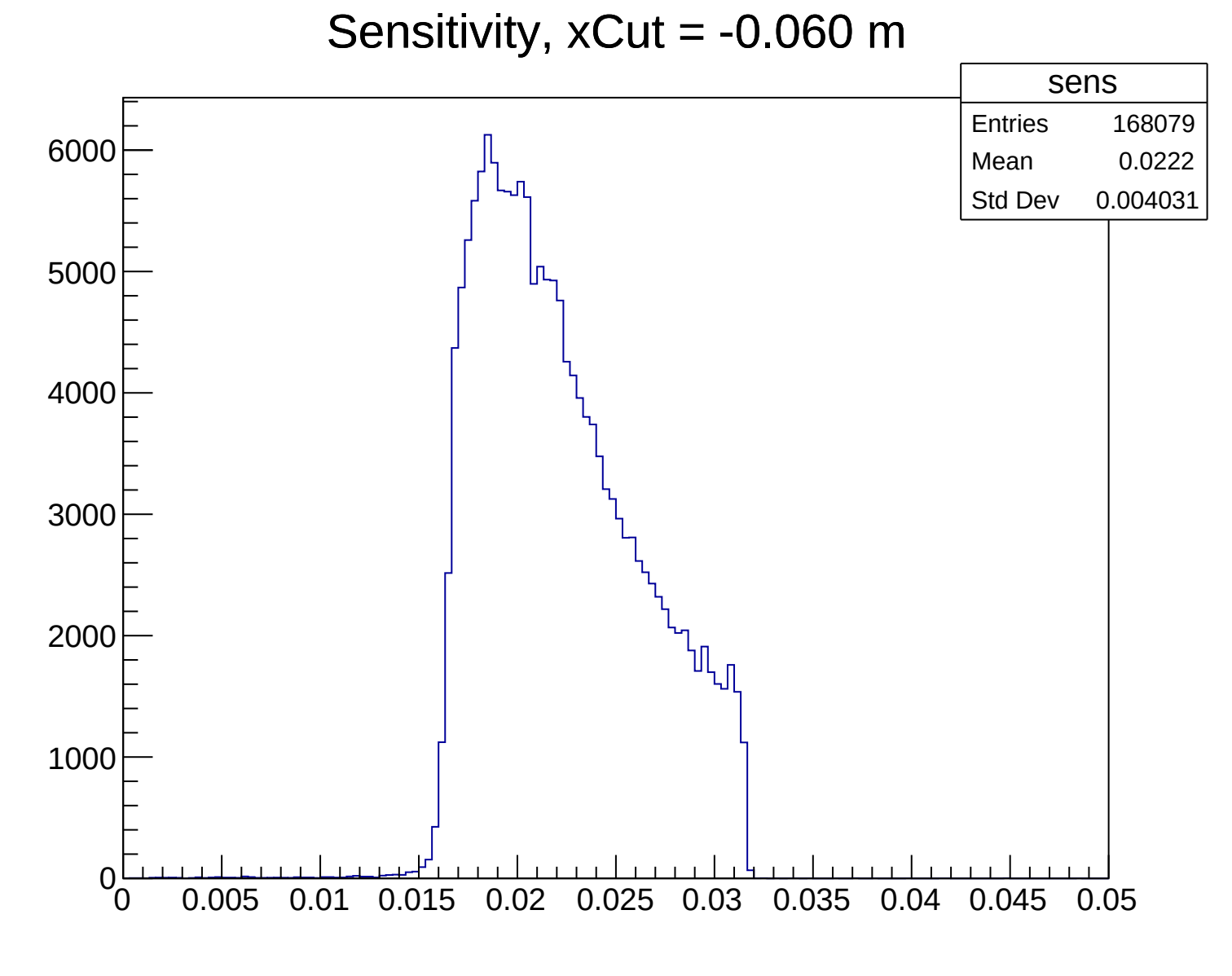

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

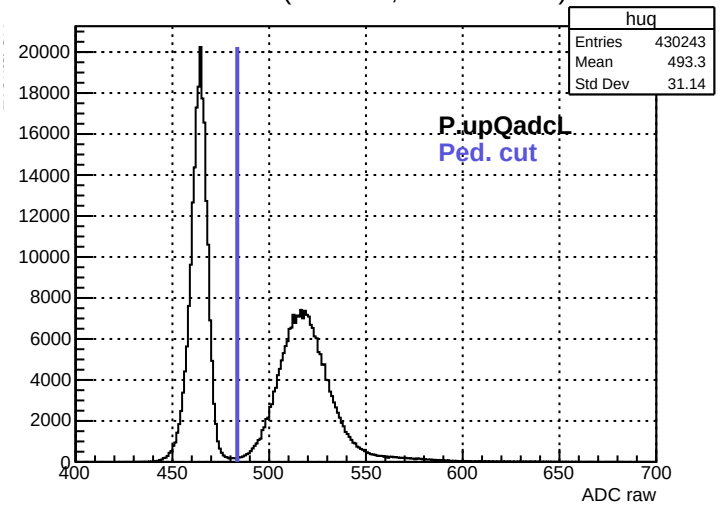

θlab (deg), xCut = -0.060 m
Theta
Entries 168079
Mean 4.784
Std Dev 0.4711
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

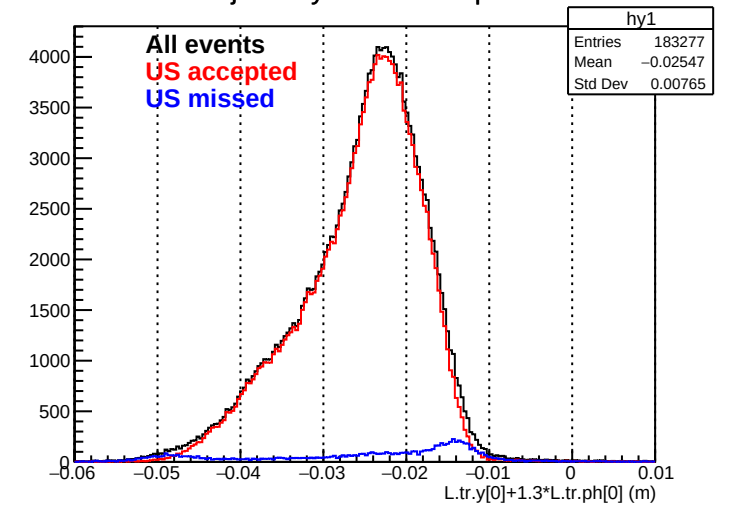

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 168079
Mean 0.5693
Std Dev 0.08375
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

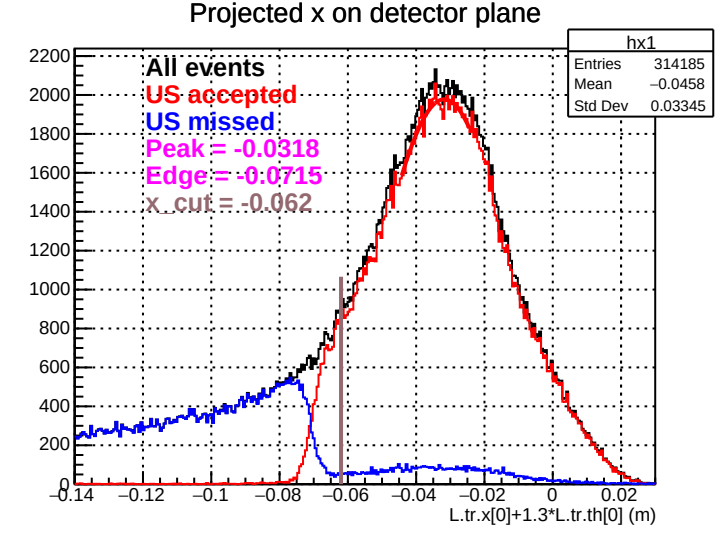

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 168079
Mean 0.5564
Std Dev 0.0799
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

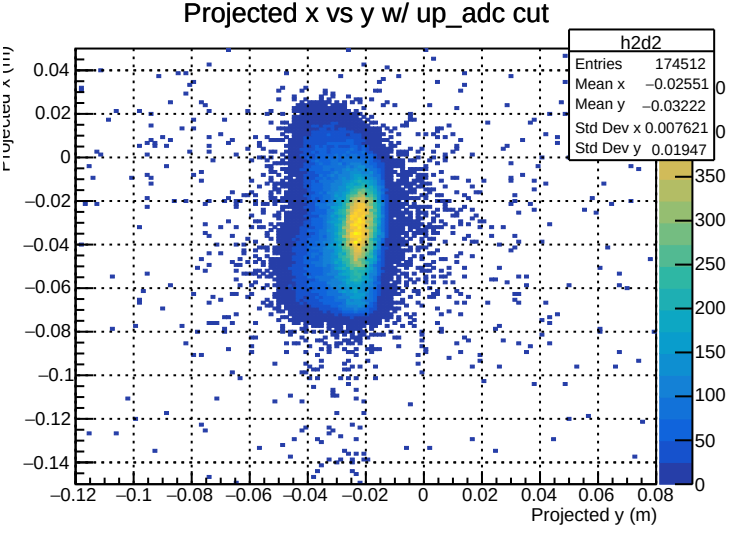

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 168079
Mean 0.006322
Std Dev 0.001271
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

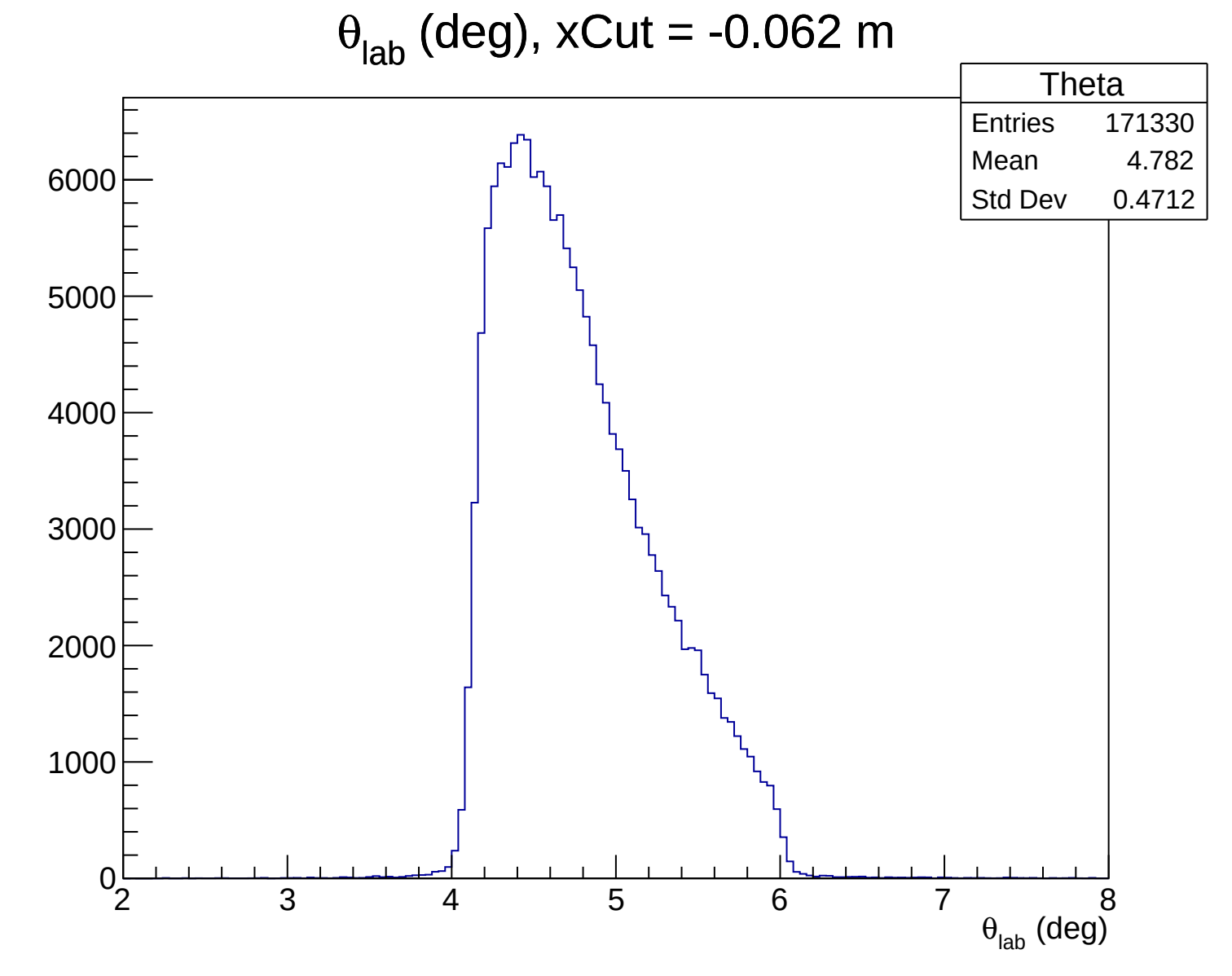

Sensitivity, xCut = -0.060 m
sens
Entries 168079
Mean 0.0222
Std Dev 0.004031
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

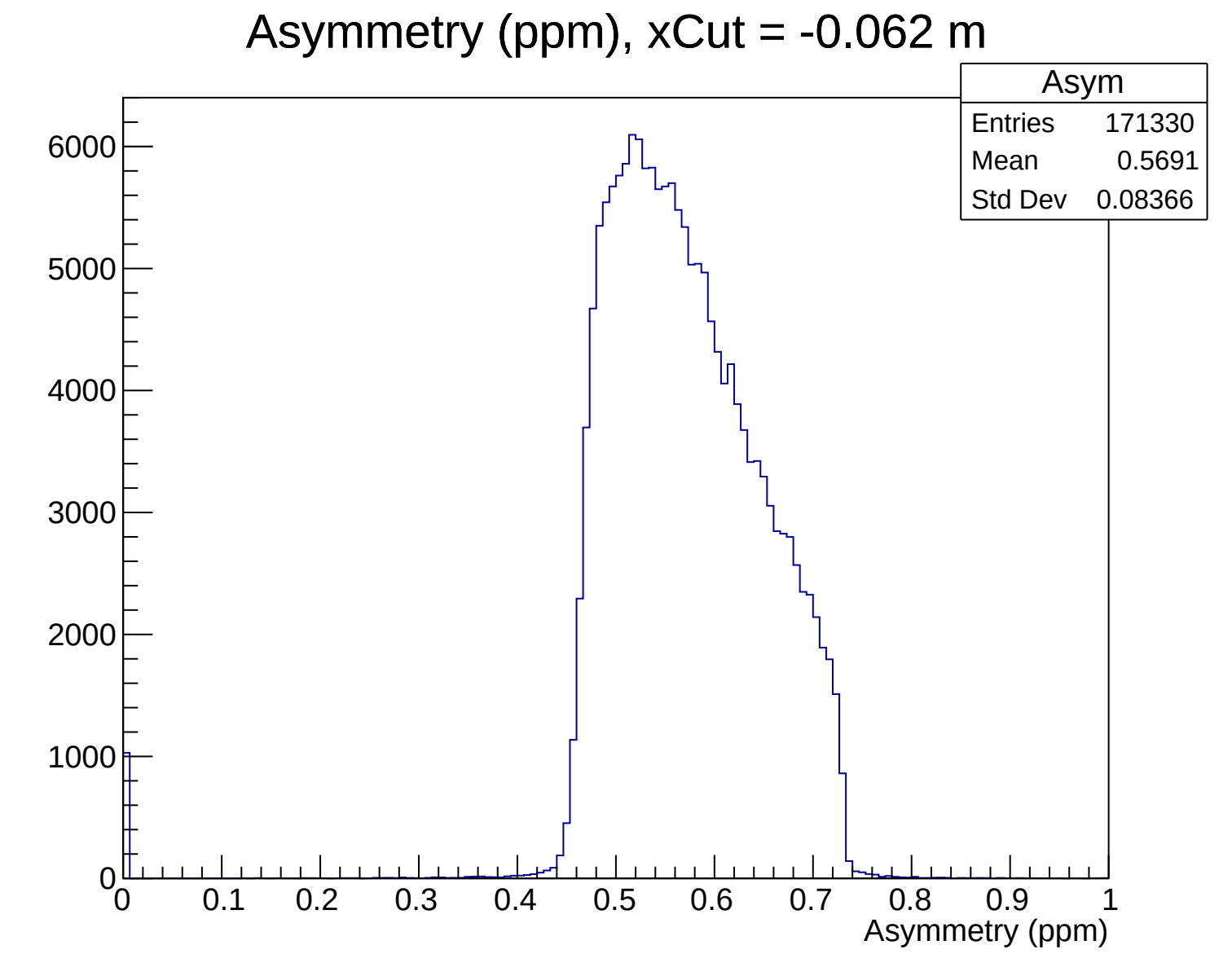

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

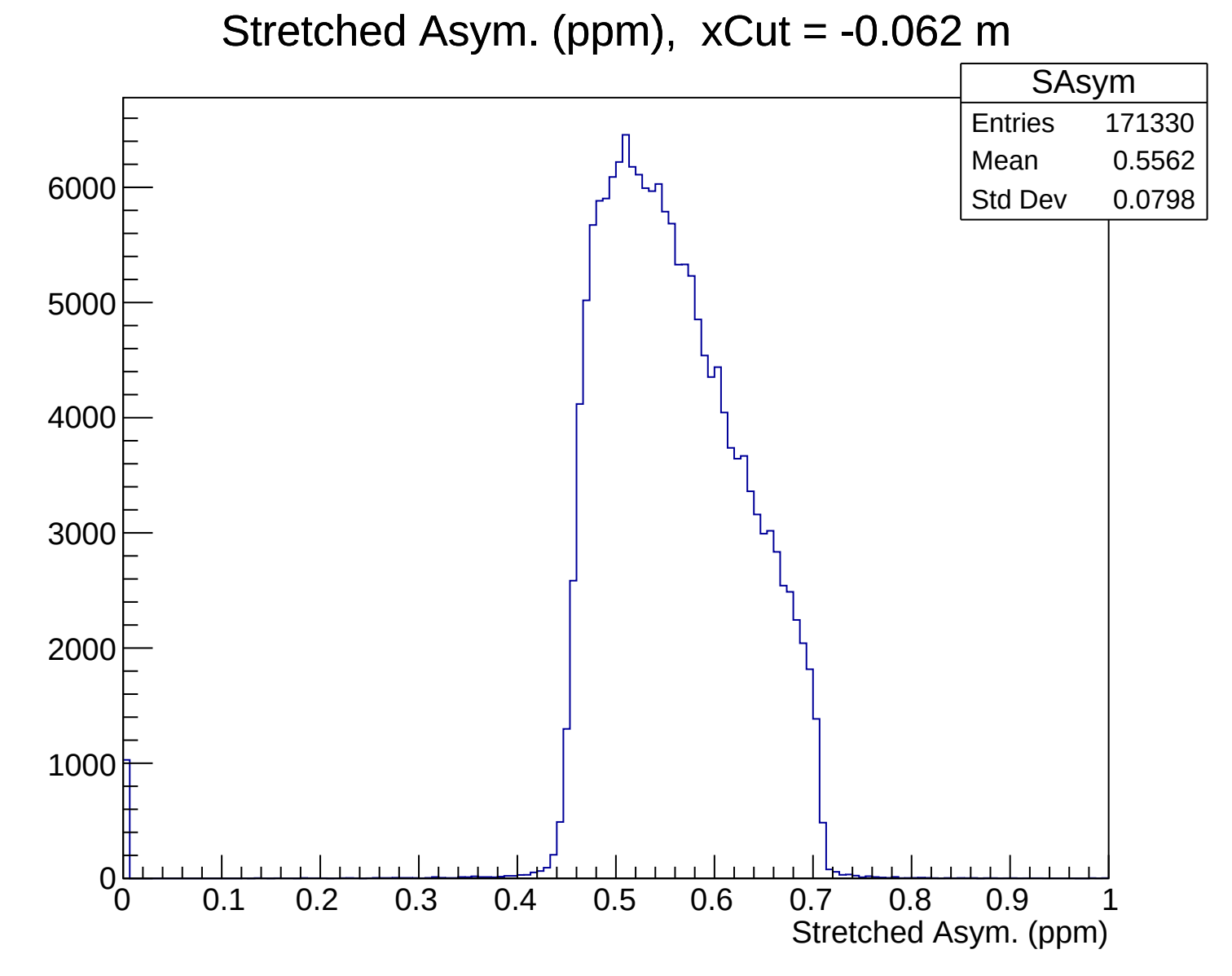

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

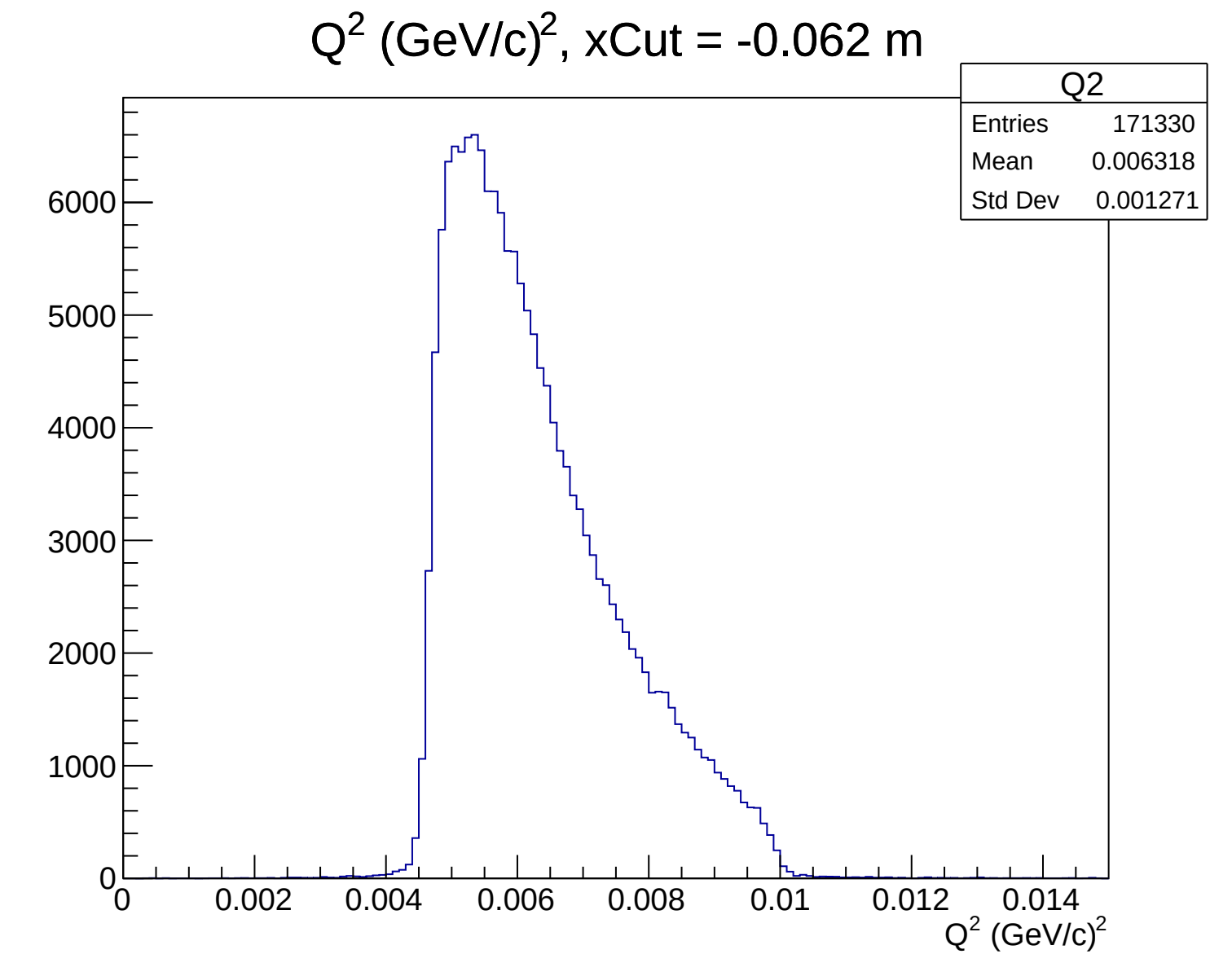

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

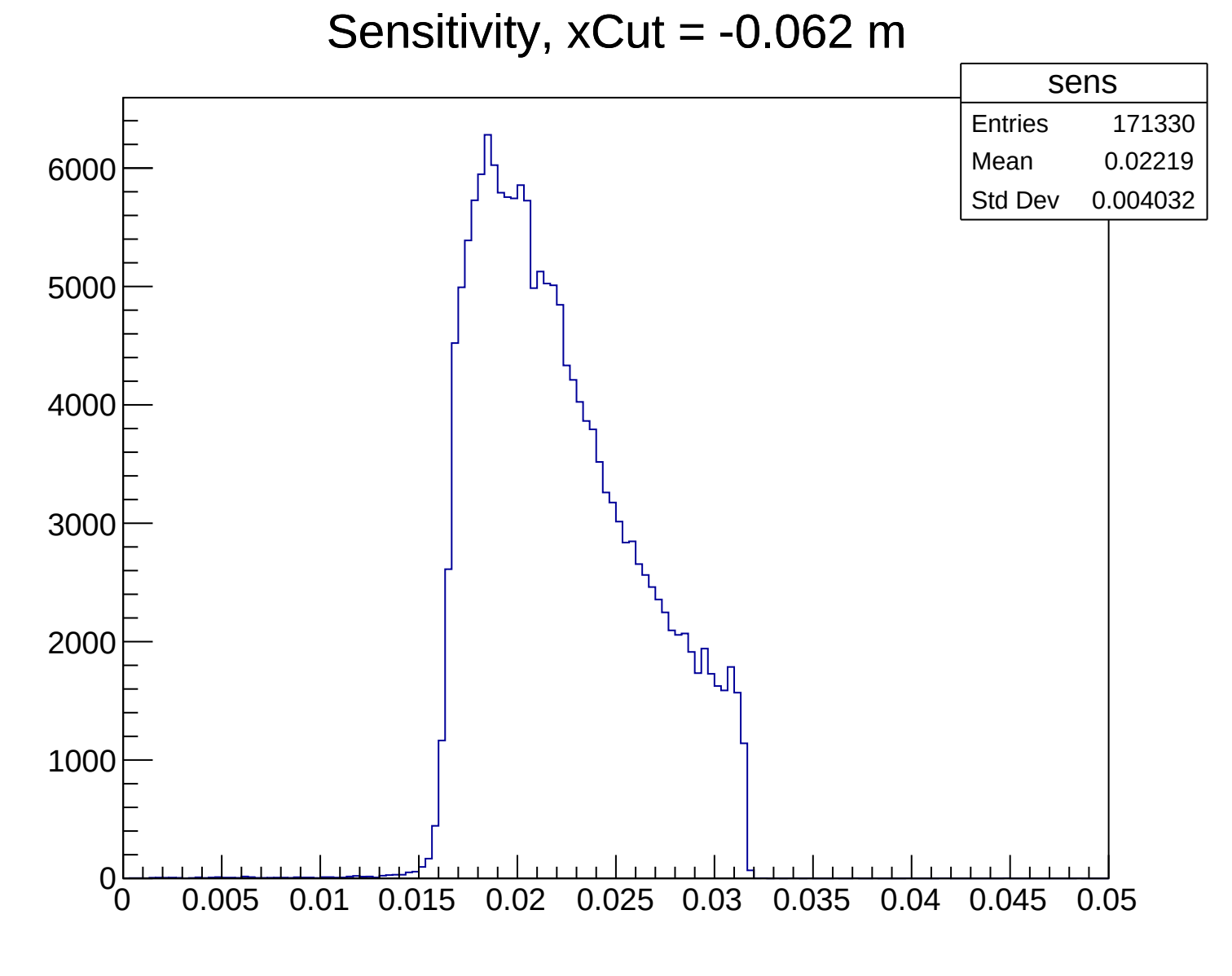

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

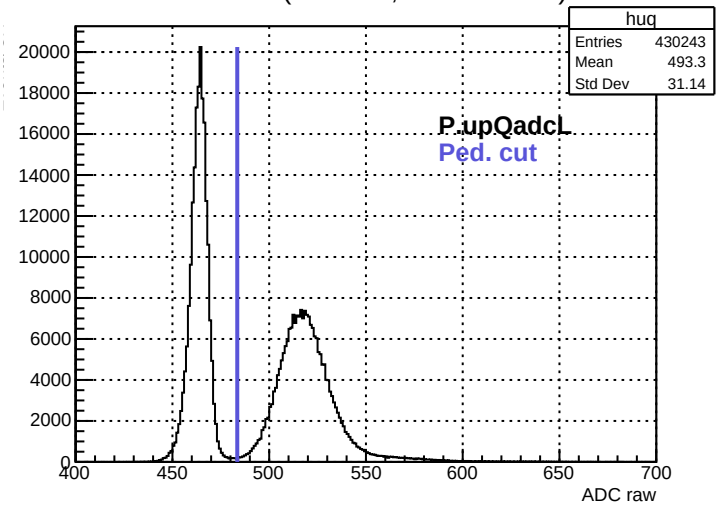

θlab (deg), xCut = -0.062 m
Theta
Entries 171330
Mean 4.782
Std Dev 0.4712
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

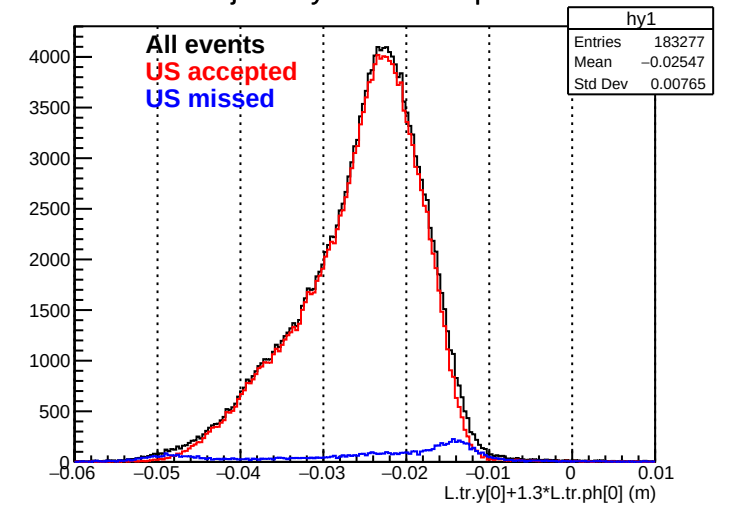

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 171330
Mean 0.5691
Std Dev 0.08366
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

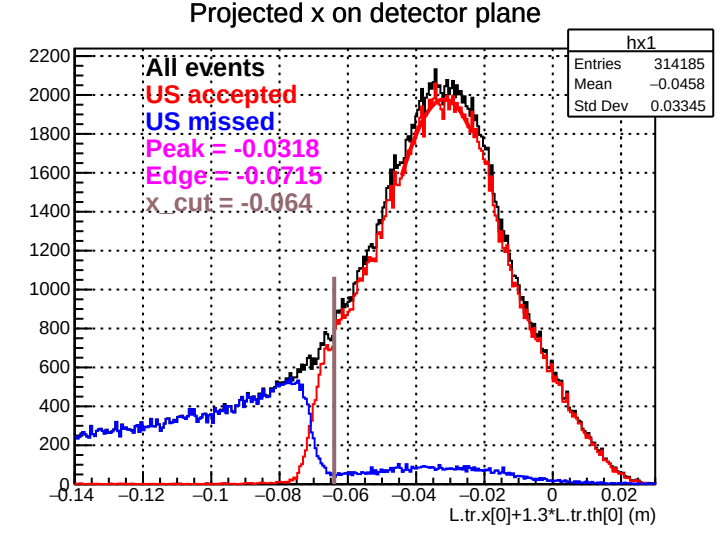

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 171330
Mean 0.5562
Std Dev 0.0798
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

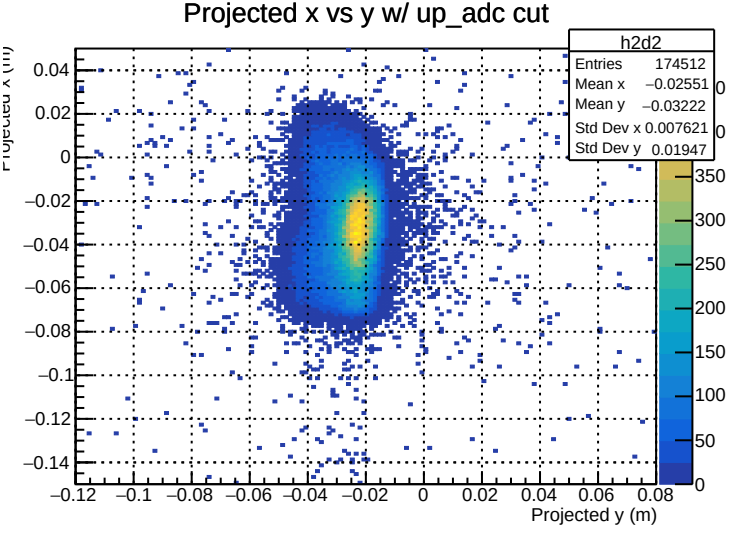

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 171330
Mean 0.006318
Std Dev 0.001271
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

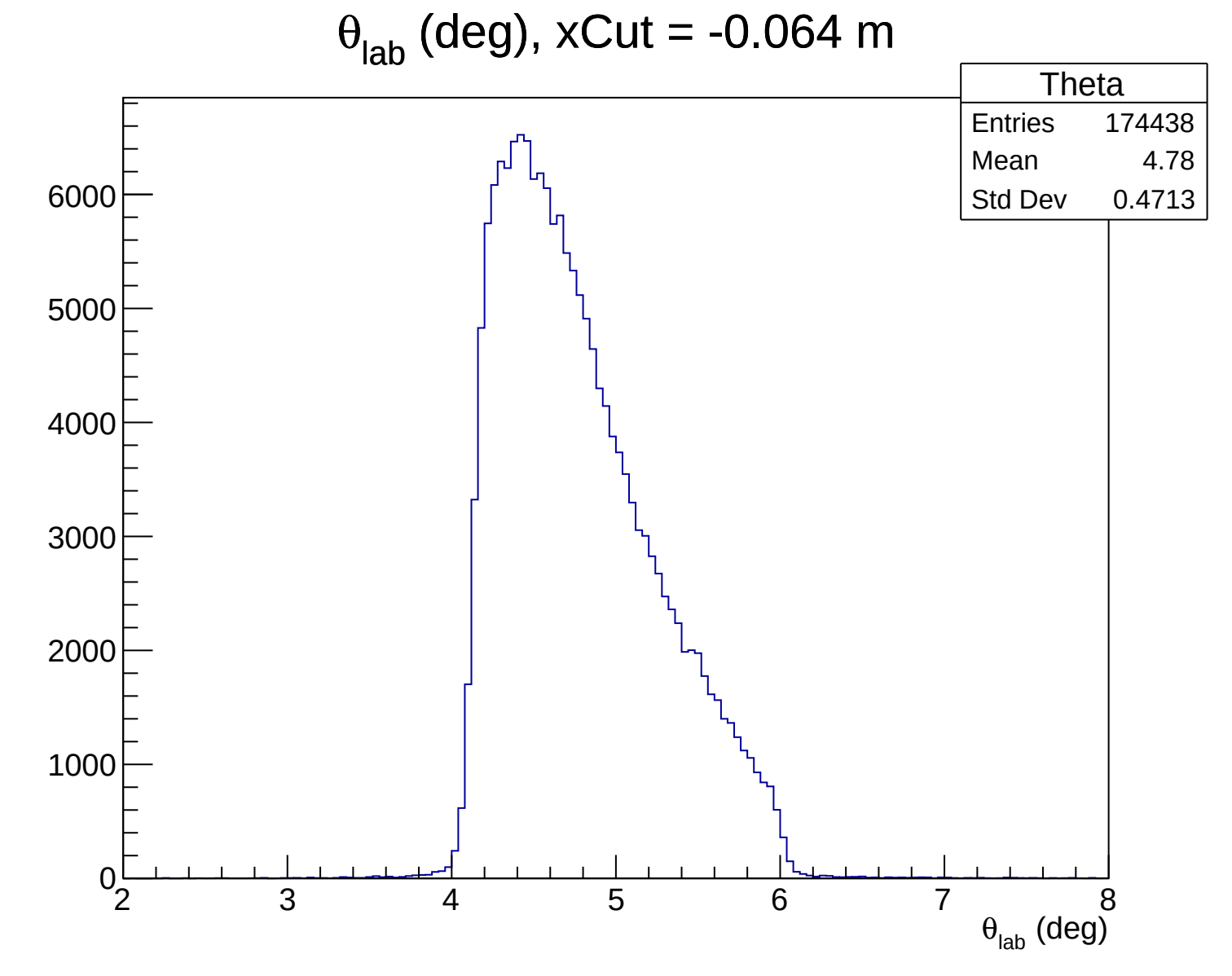

Sensitivity, xCut = -0.062 m
sens
Entries 171330
Mean 0.02219
Std Dev 0.004032
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

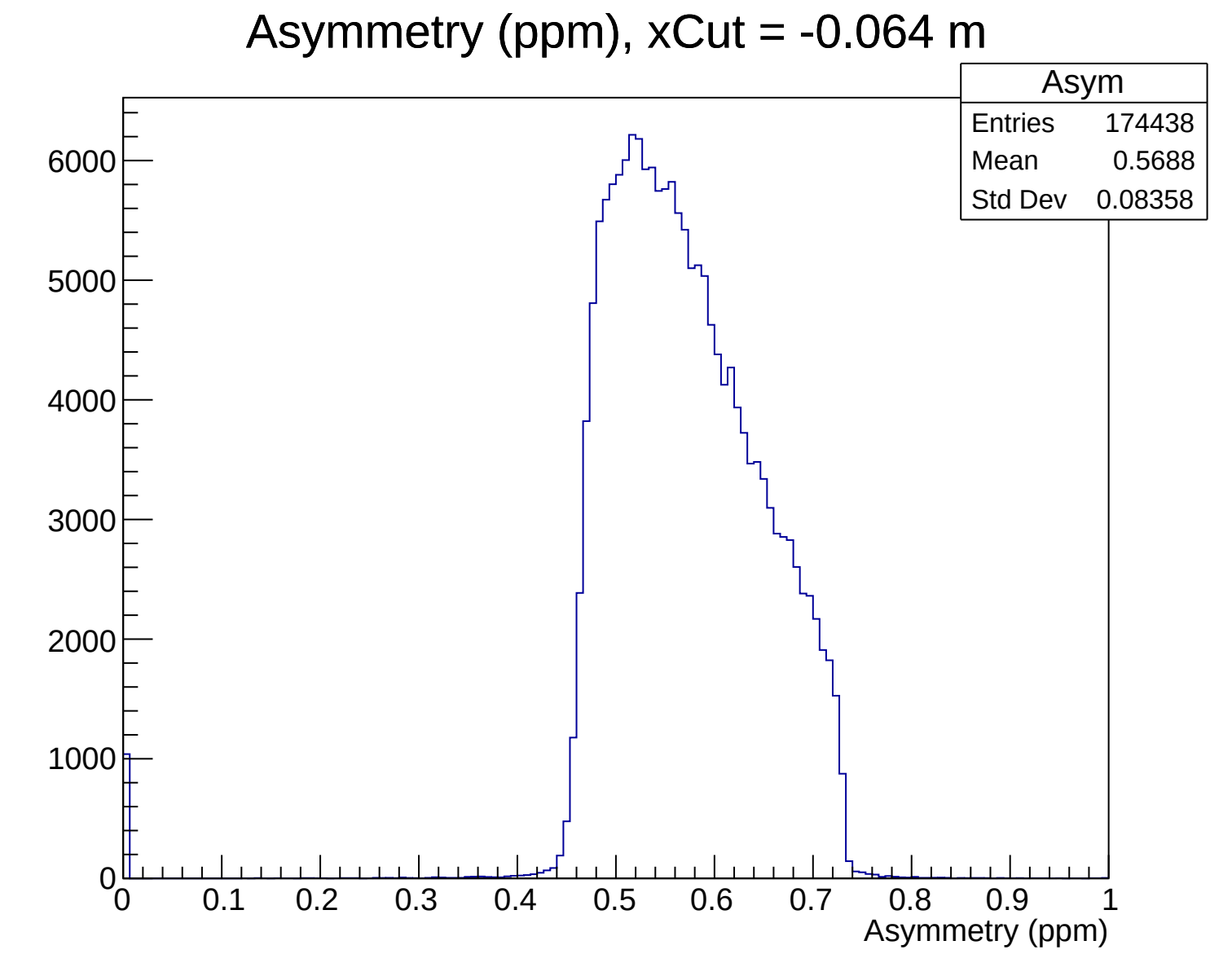

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

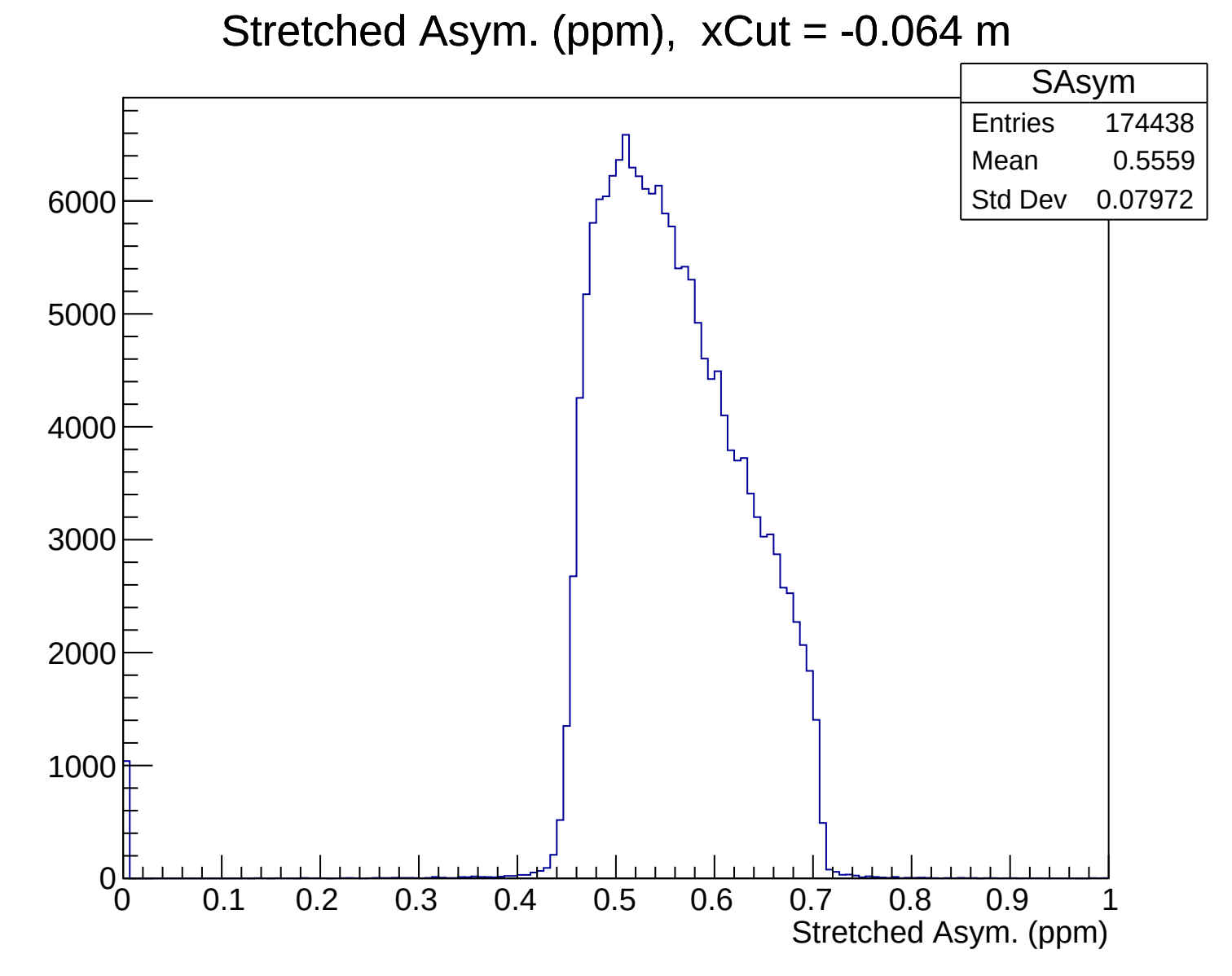

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

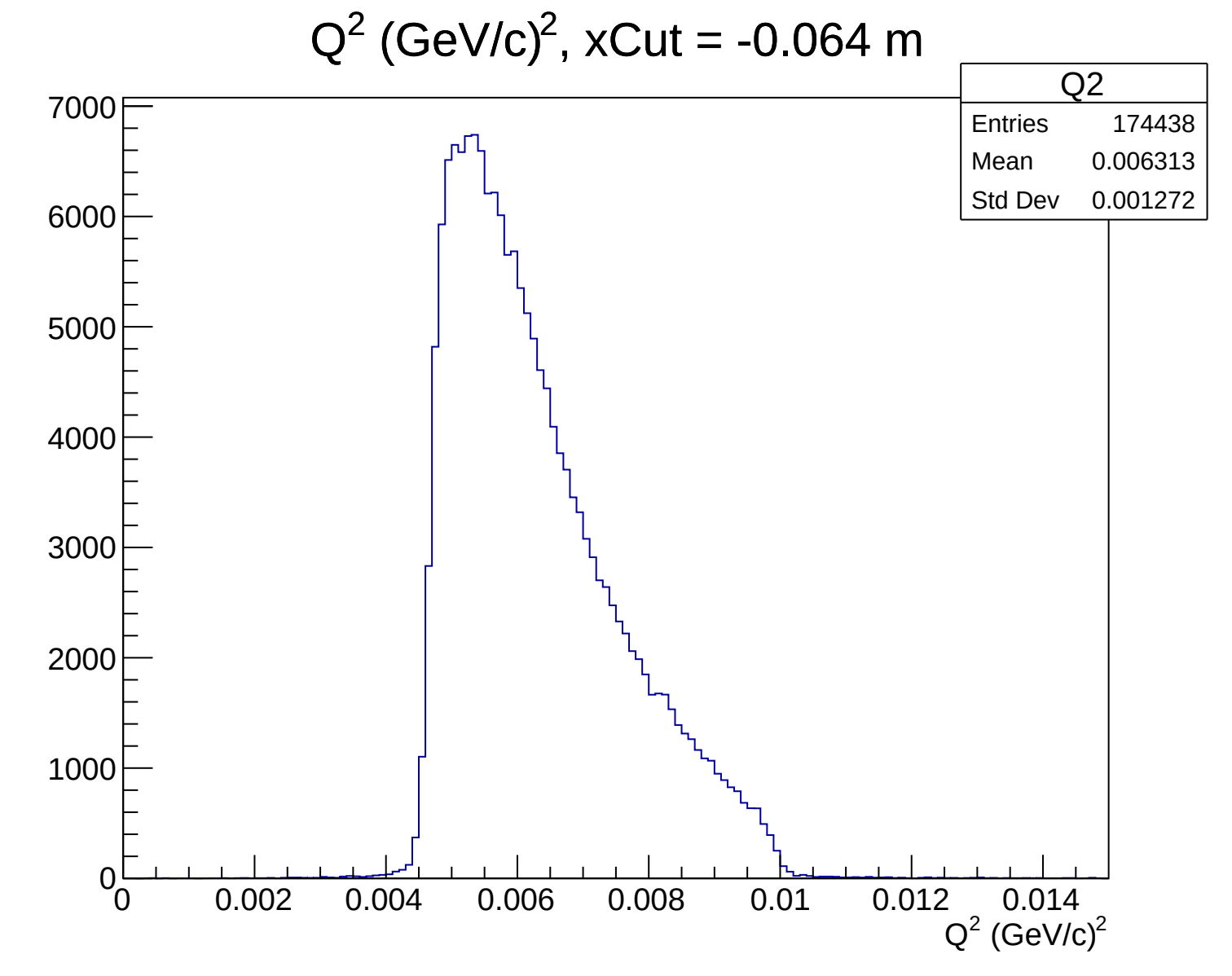

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

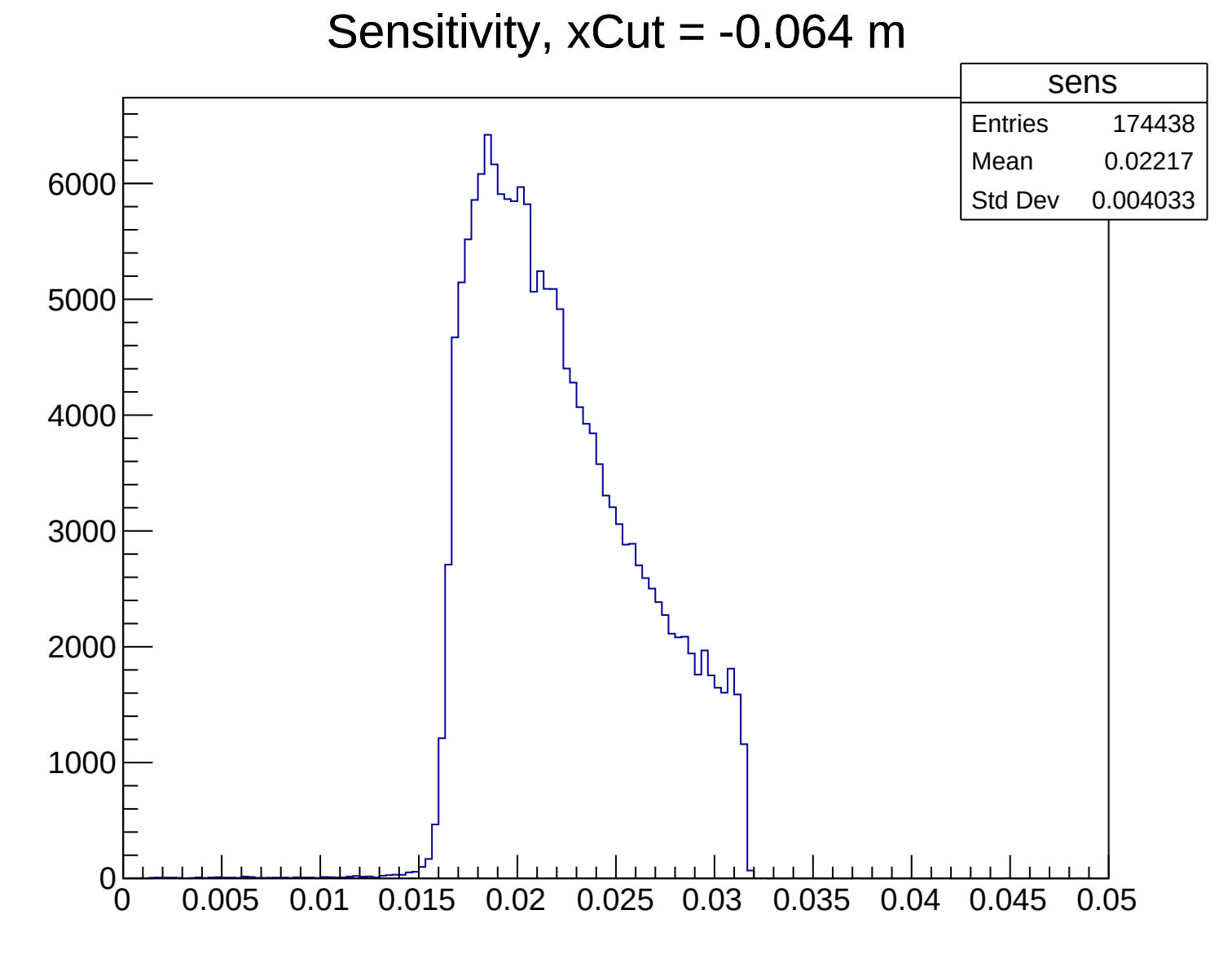

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

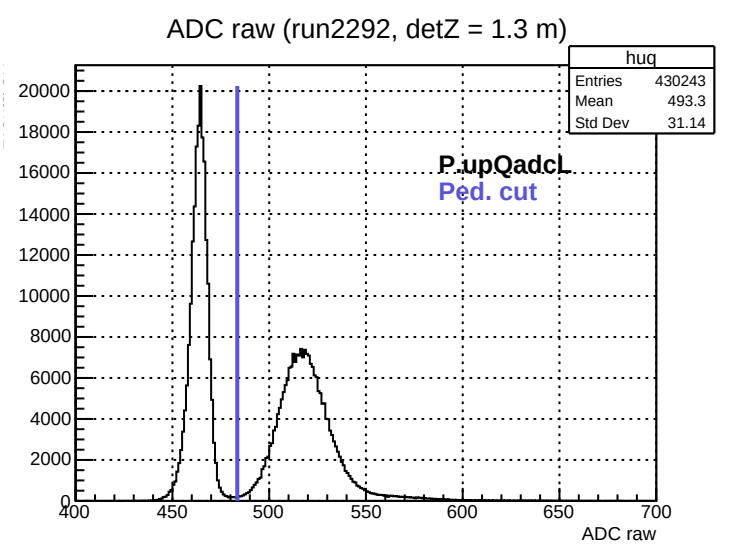

θlab (deg), xCut = -0.064 m
Theta
Entries 174438
Mean 4.78
Std Dev 0.4713
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

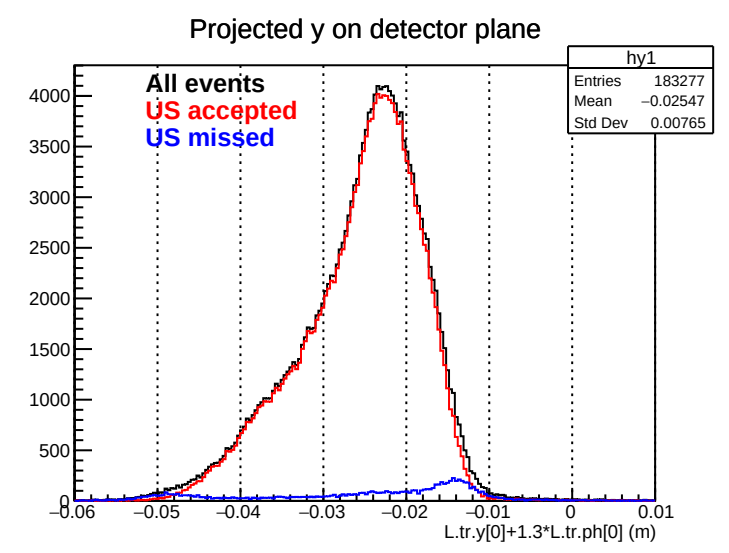

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 174438
Mean 0.5688
Std Dev 0.08358
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

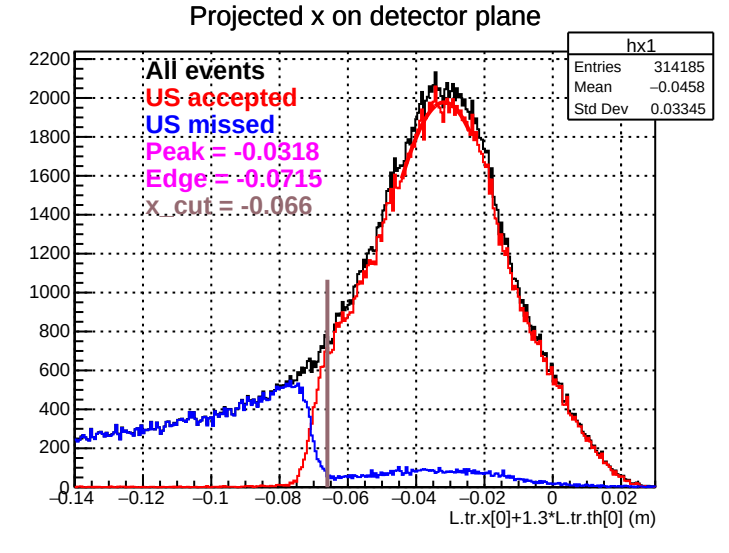

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 174438
Mean 0.5559
Std Dev 0.07972
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

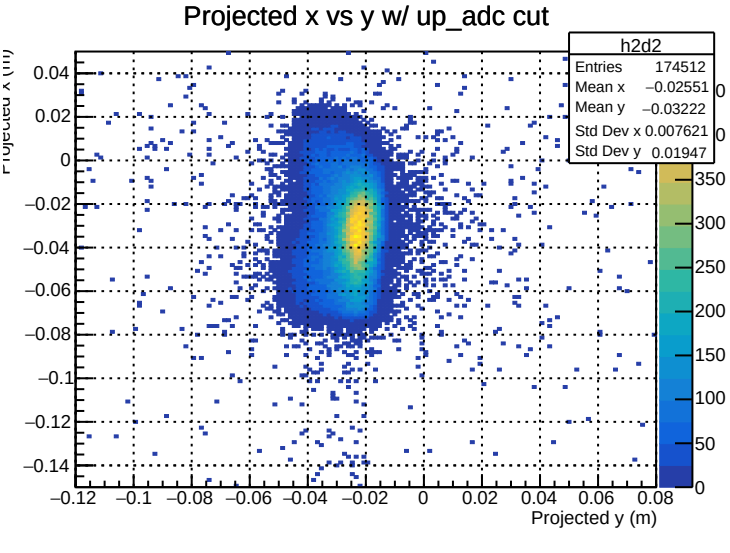

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 174438
Mean 0.006313
Std Dev 0.001272
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

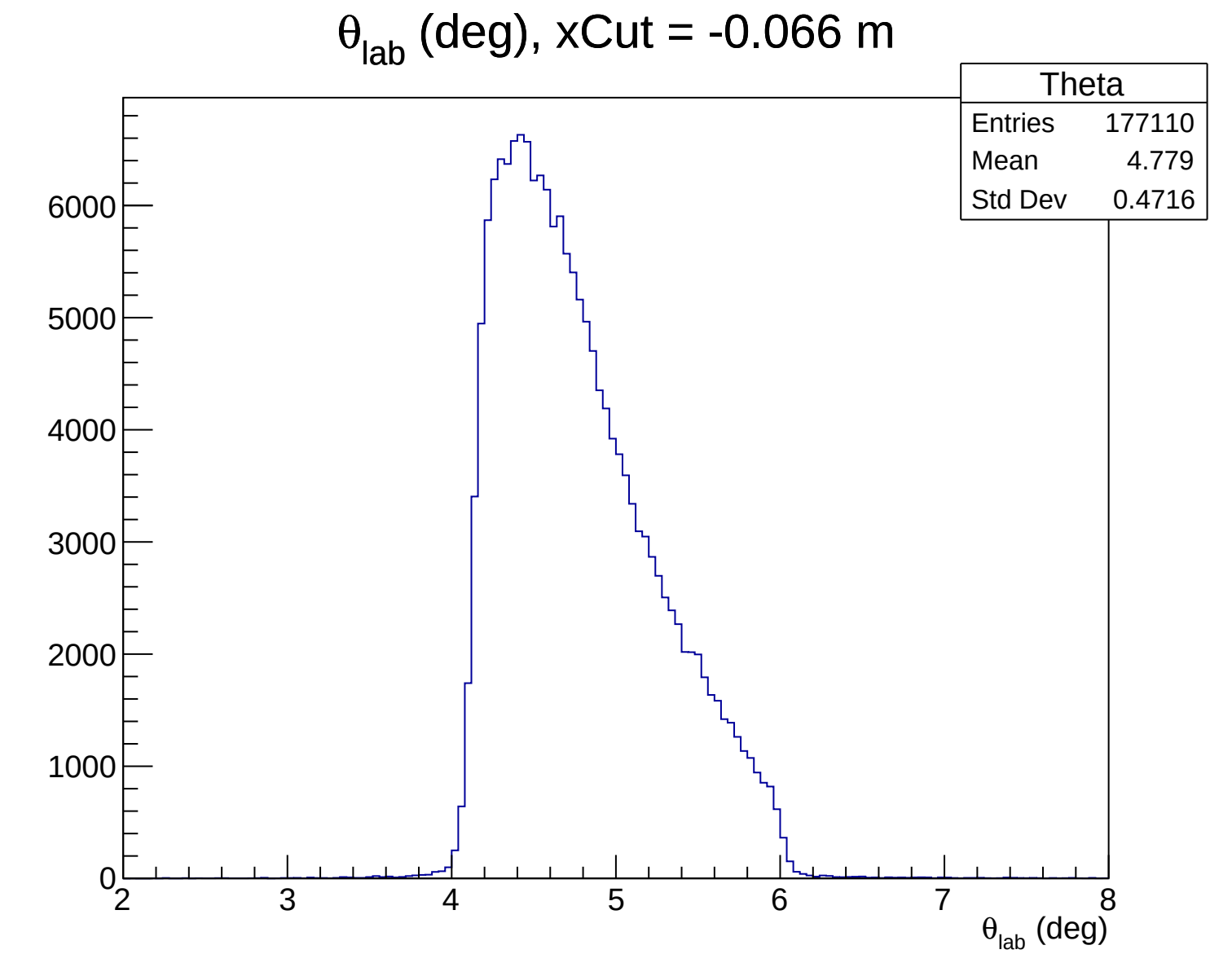

Sensitivity, xCut = -0.064 m
sens
Entries 174438
Mean 0.02217
Std Dev 0.004033
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

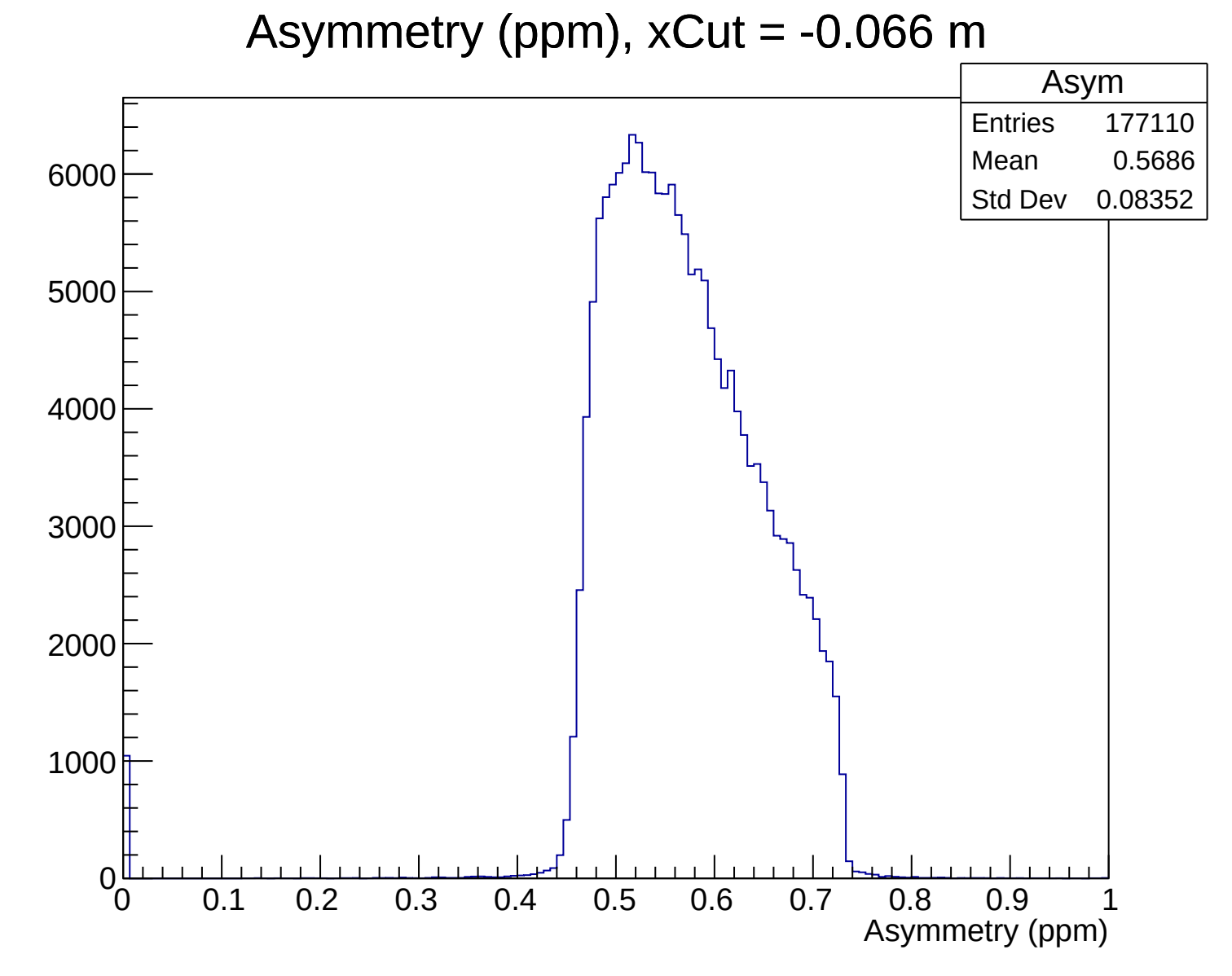

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

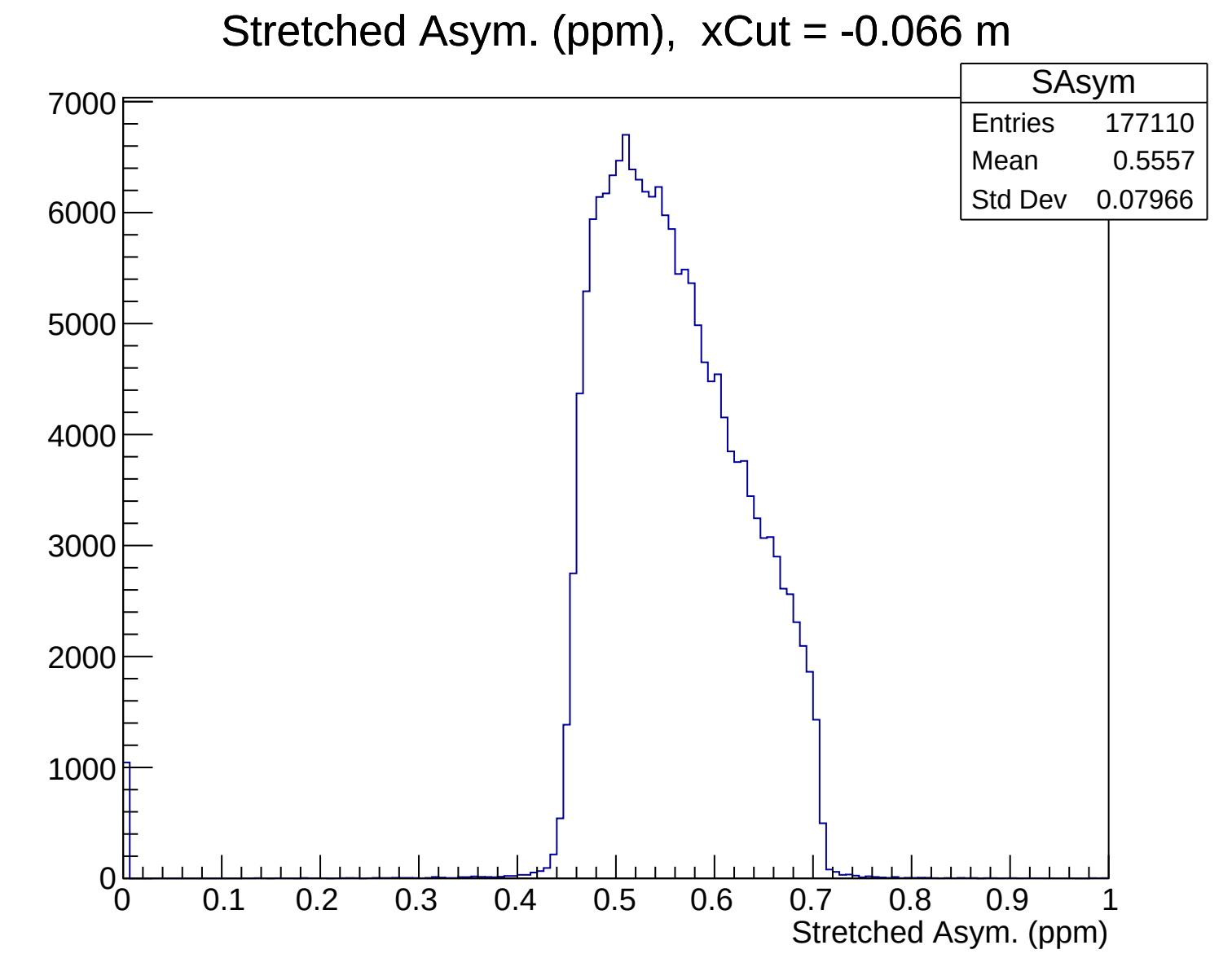

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

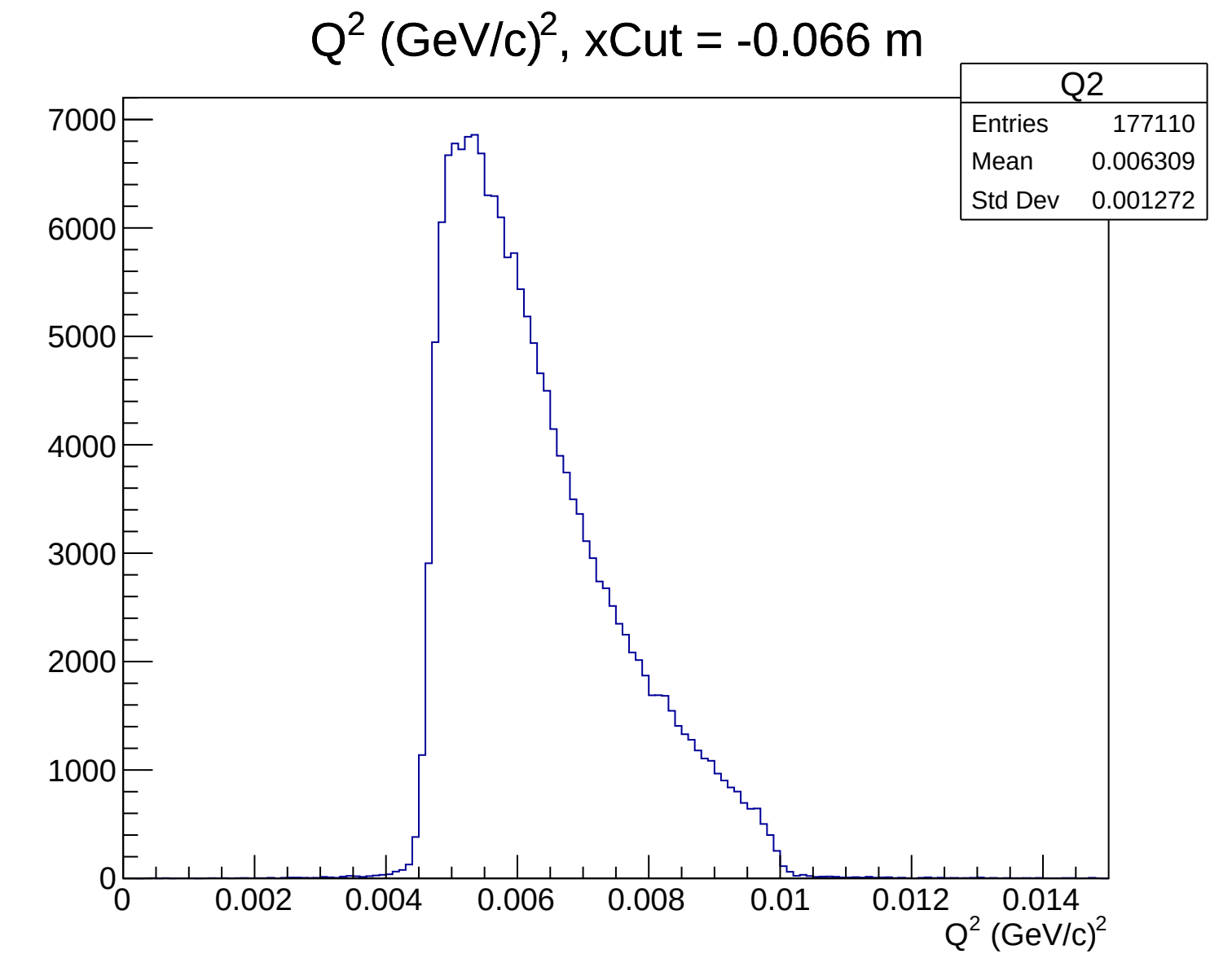

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.066
L.tr.x[0]+1.3*L.tr.th[0] (m)

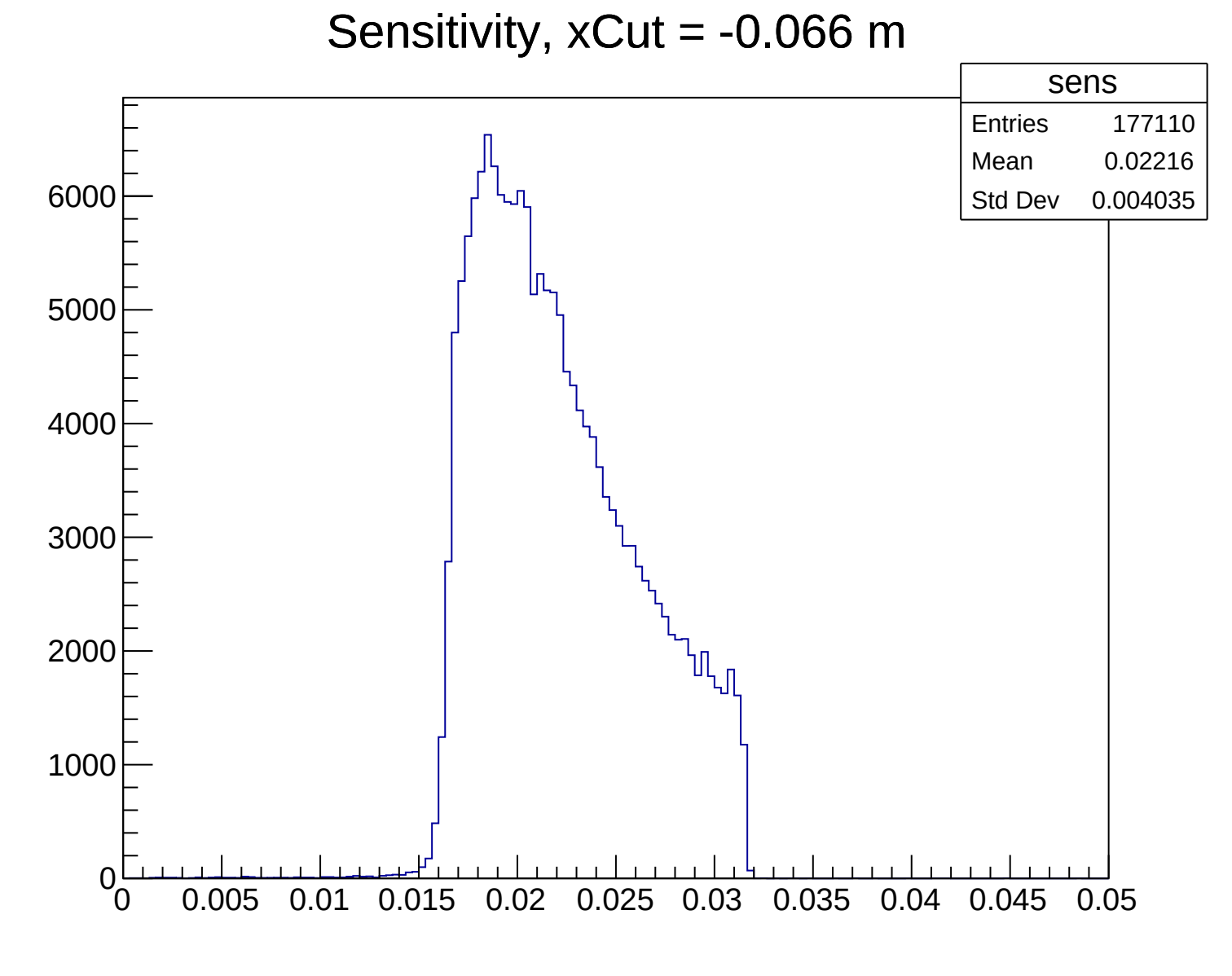

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

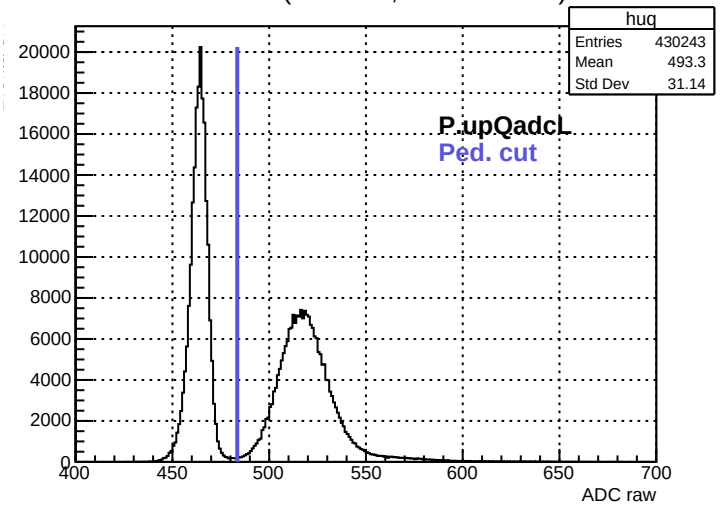

θlab (deg), xCut = -0.066 m
Theta
Entries 177110
Mean 4.779
Std Dev 0.4716
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

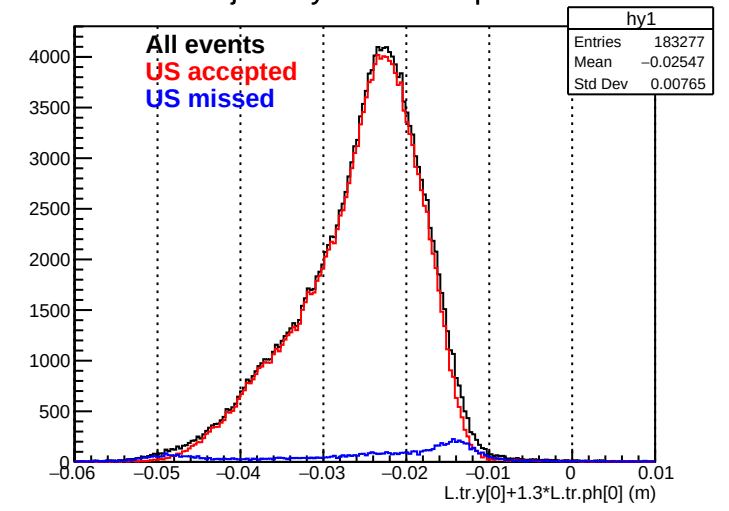

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 177110
Mean 0.5686
Std Dev 0.08352
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

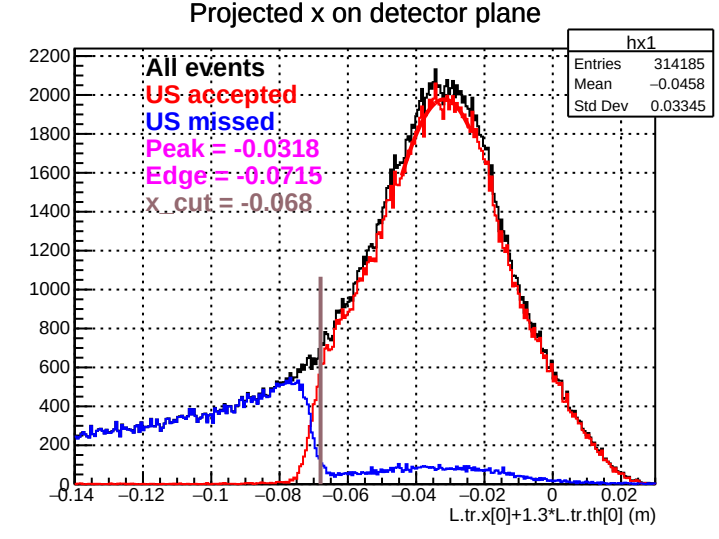

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 177110
Mean 0.5557
Std Dev 0.07966
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

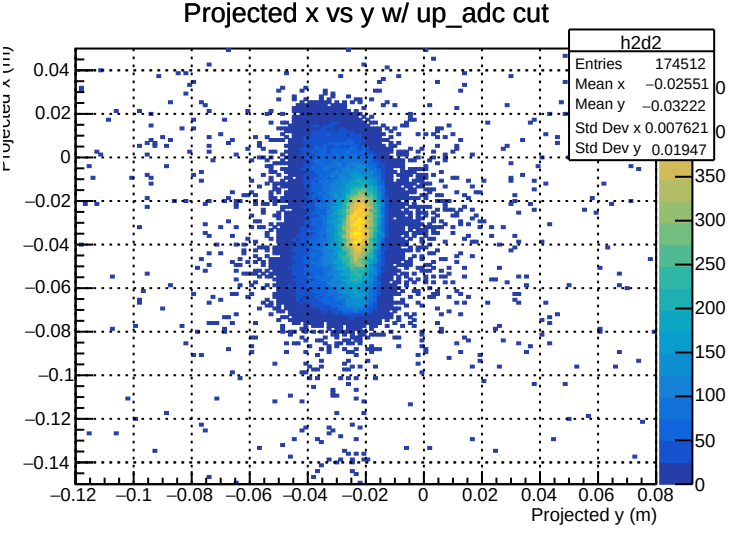

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 177110
Mean 0.006309
Std Dev 0.001272
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

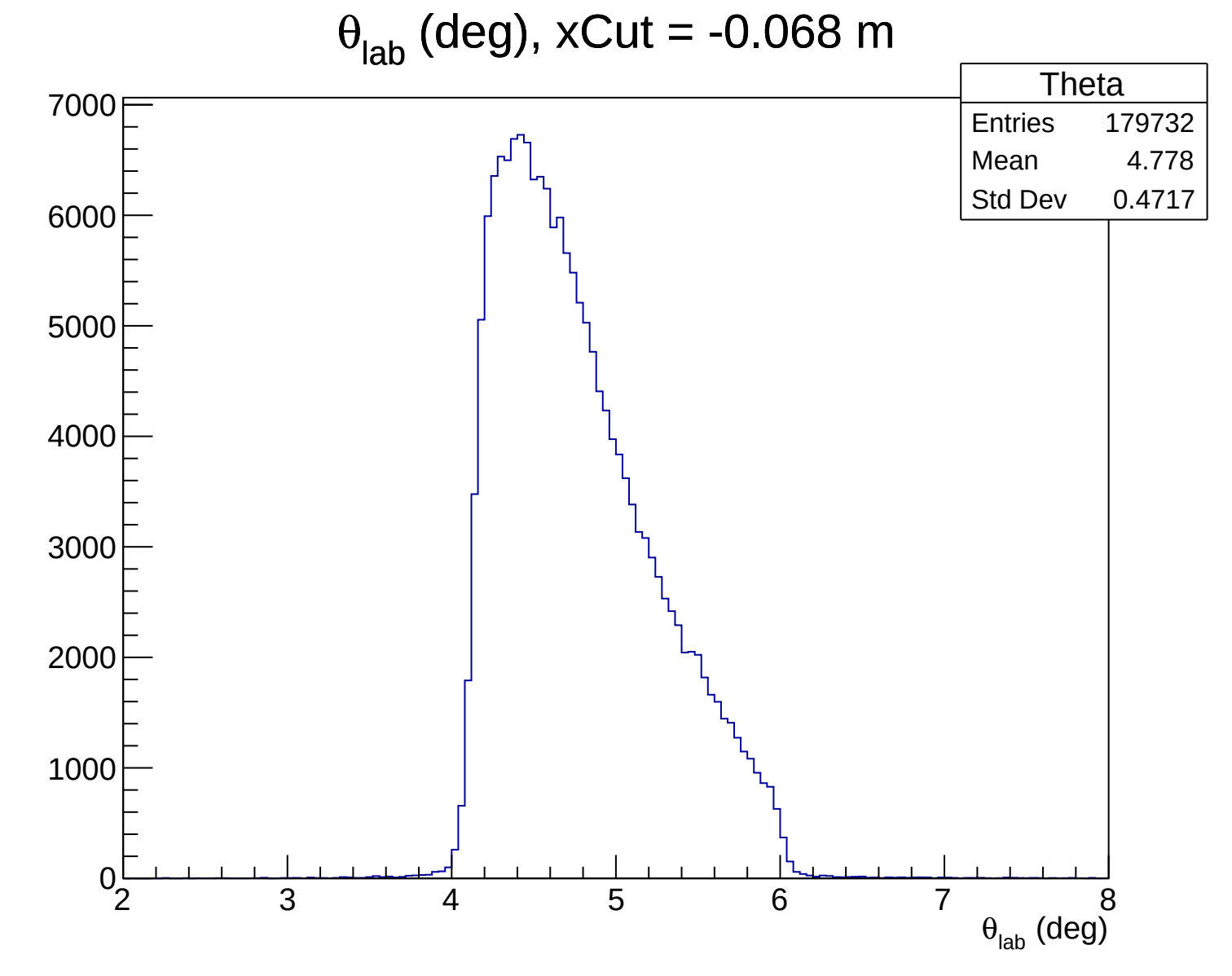

Sensitivity, xCut = -0.066 m
sens
Entries 177110
Mean 0.02216
Std Dev 0.004035
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

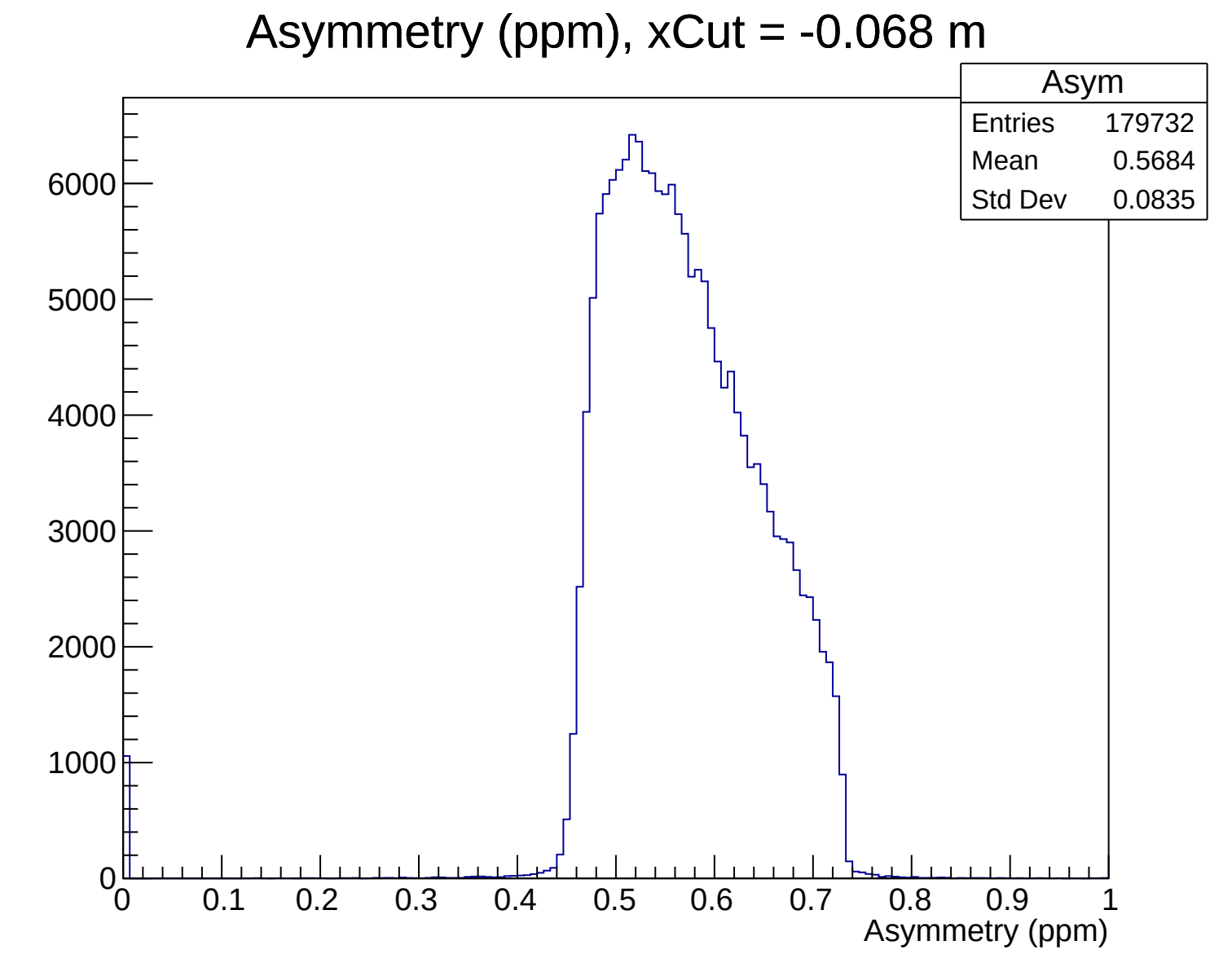

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

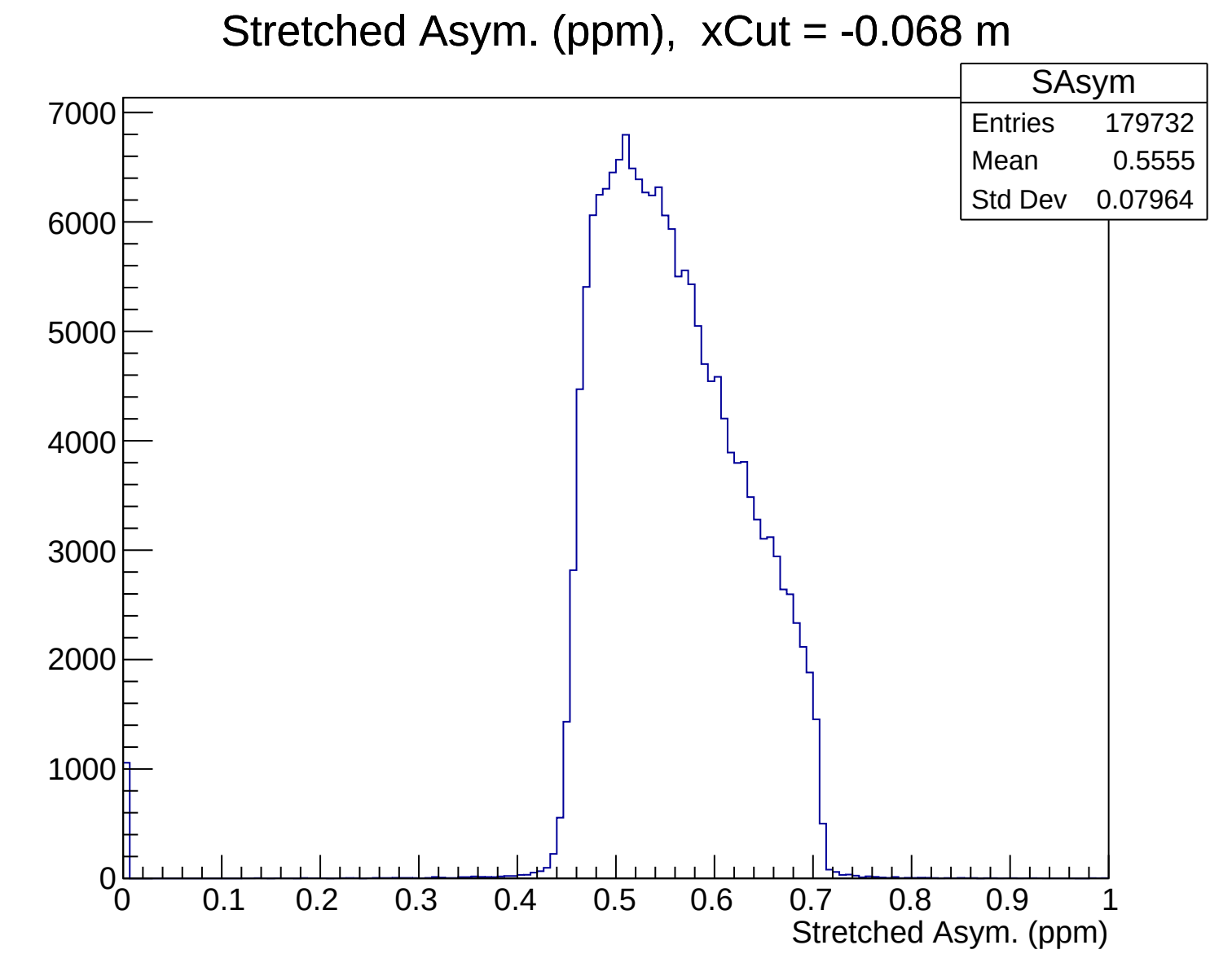

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

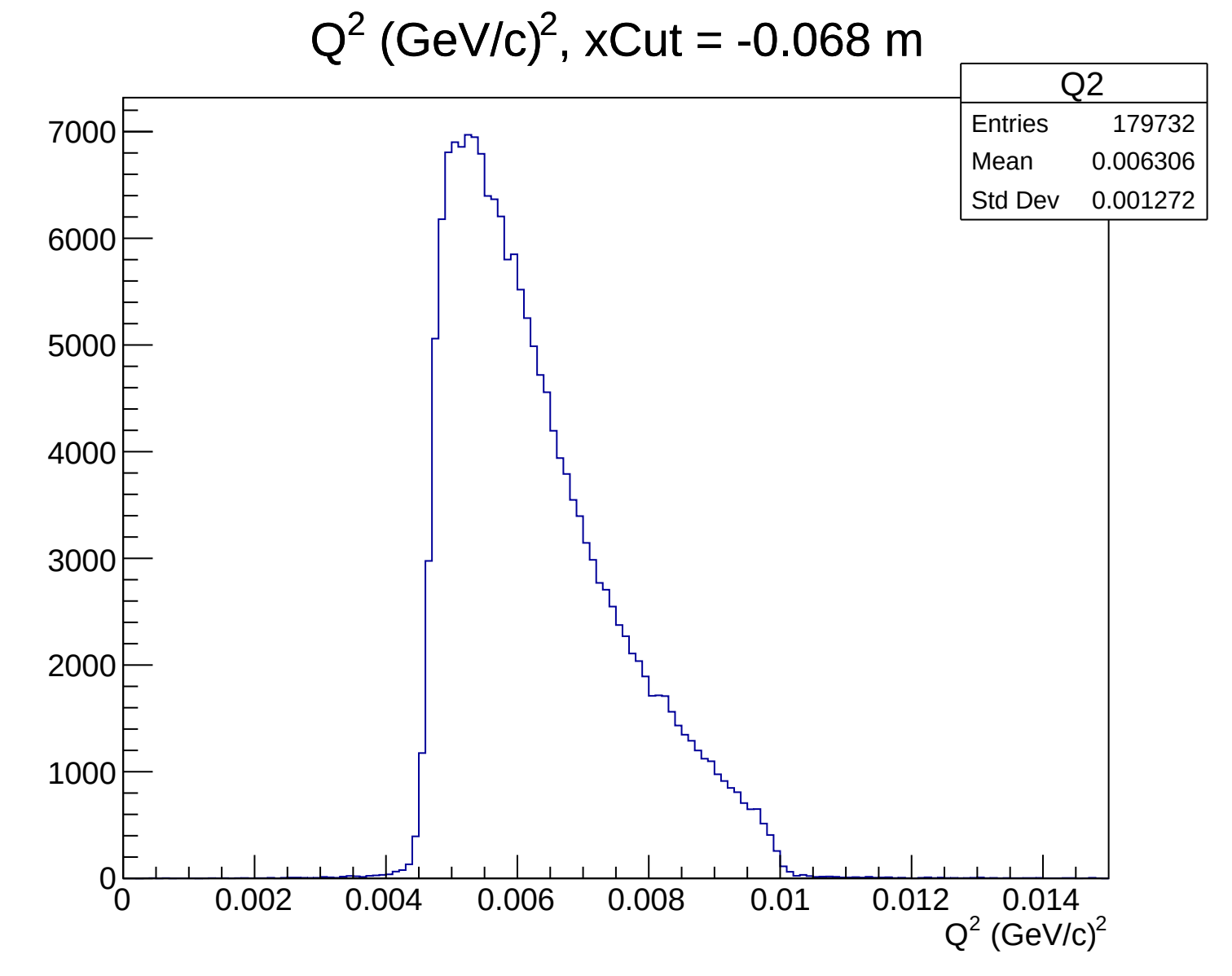

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

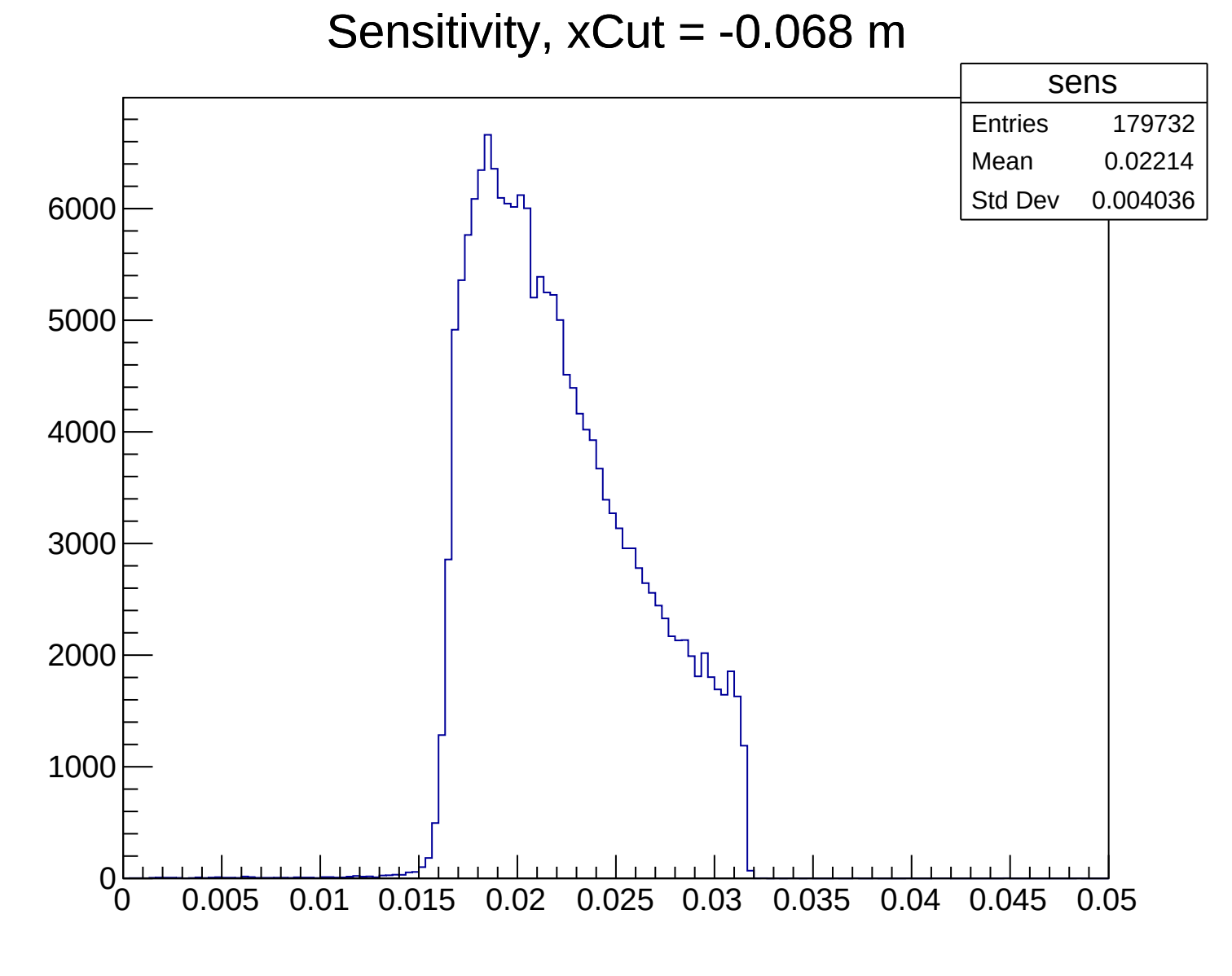

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

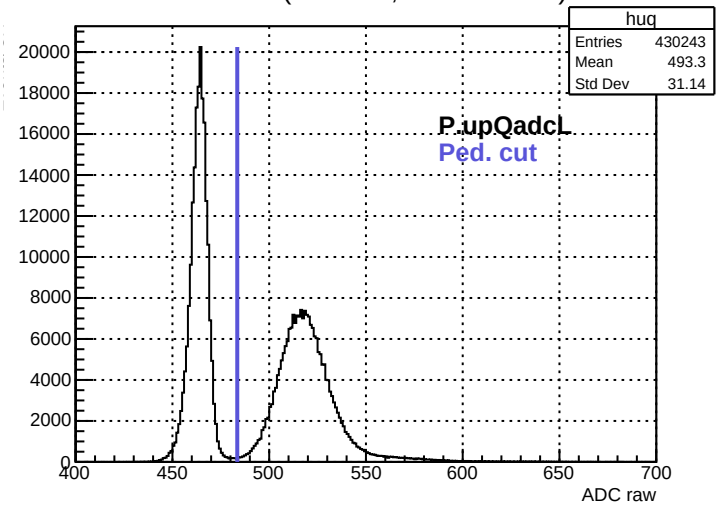

θlab (deg), xCut = -0.068 m
Theta
Entries 179732
Mean 4.778
Std Dev 0.4717
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

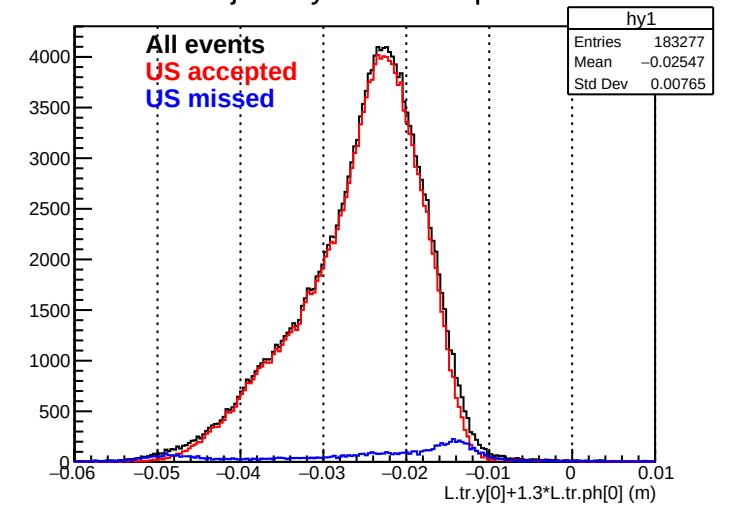

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 179732
Mean 0.5684
Std Dev 0.0835
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

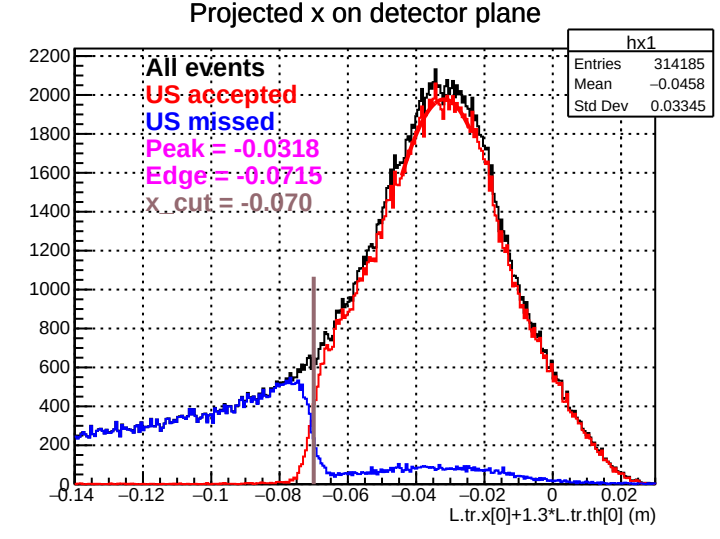

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 179732
Mean 0.5555
Std Dev 0.07964
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

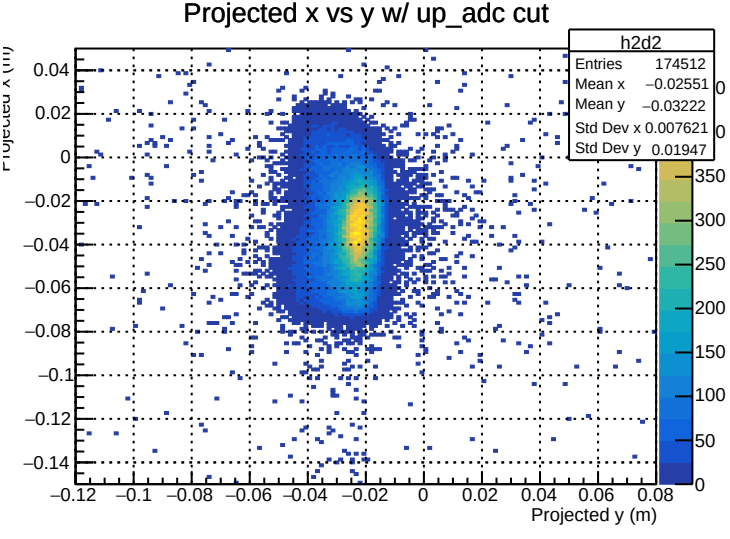

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 179732
Mean 0.006306
Std Dev 0.001272
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

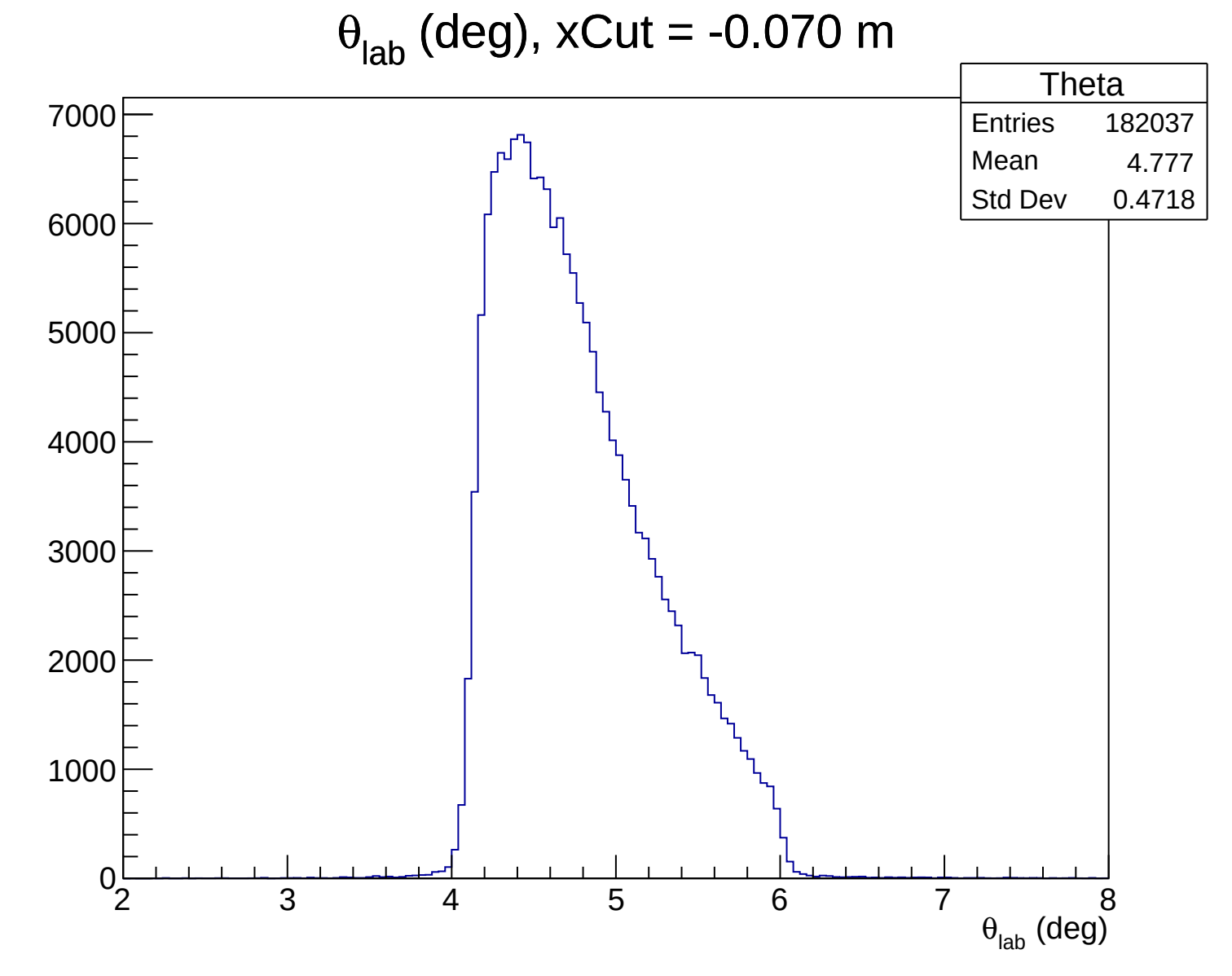

Sensitivity, xCut = -0.068 m
sens
Entries 179732
Mean 0.02214
Std Dev 0.004036
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

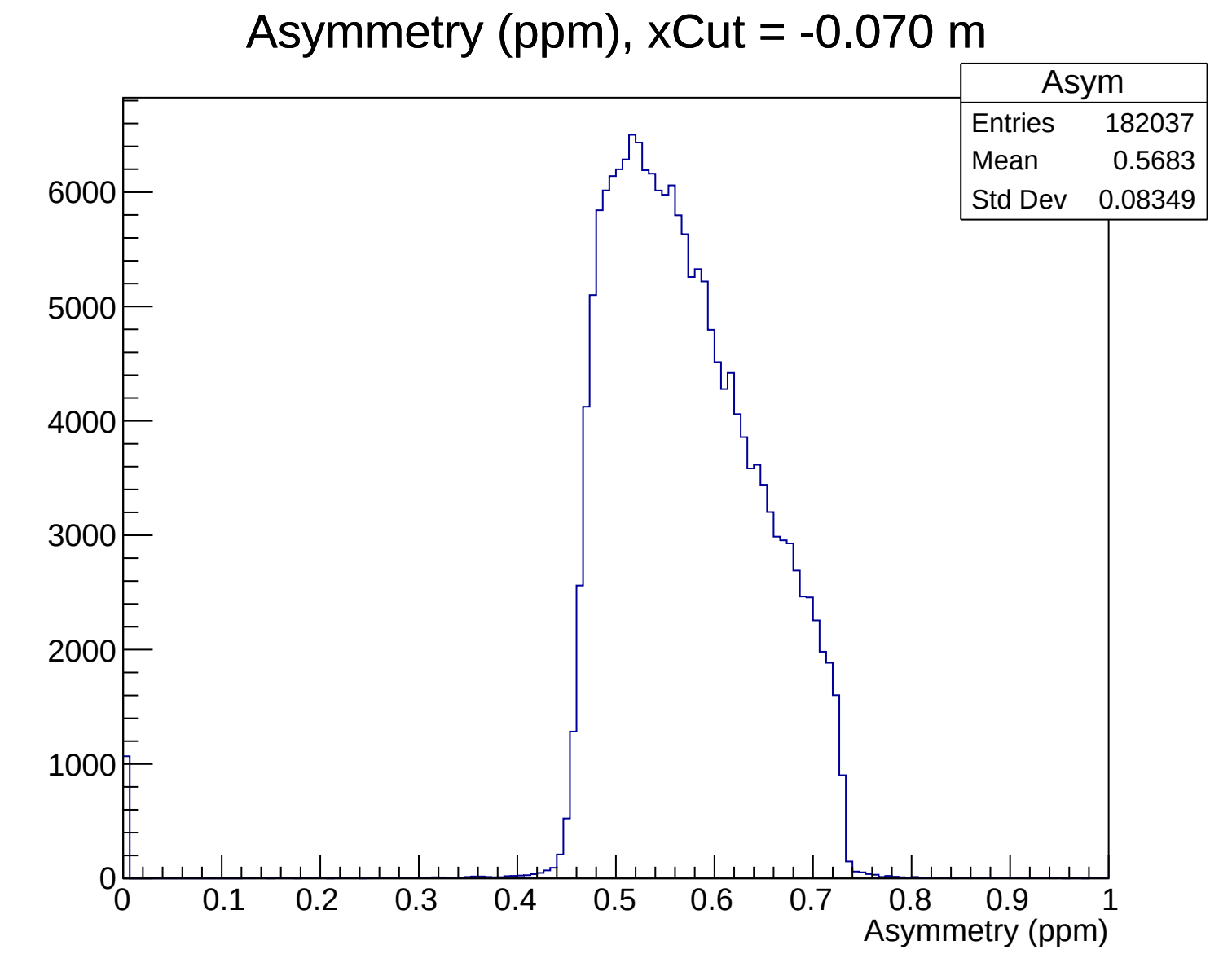

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

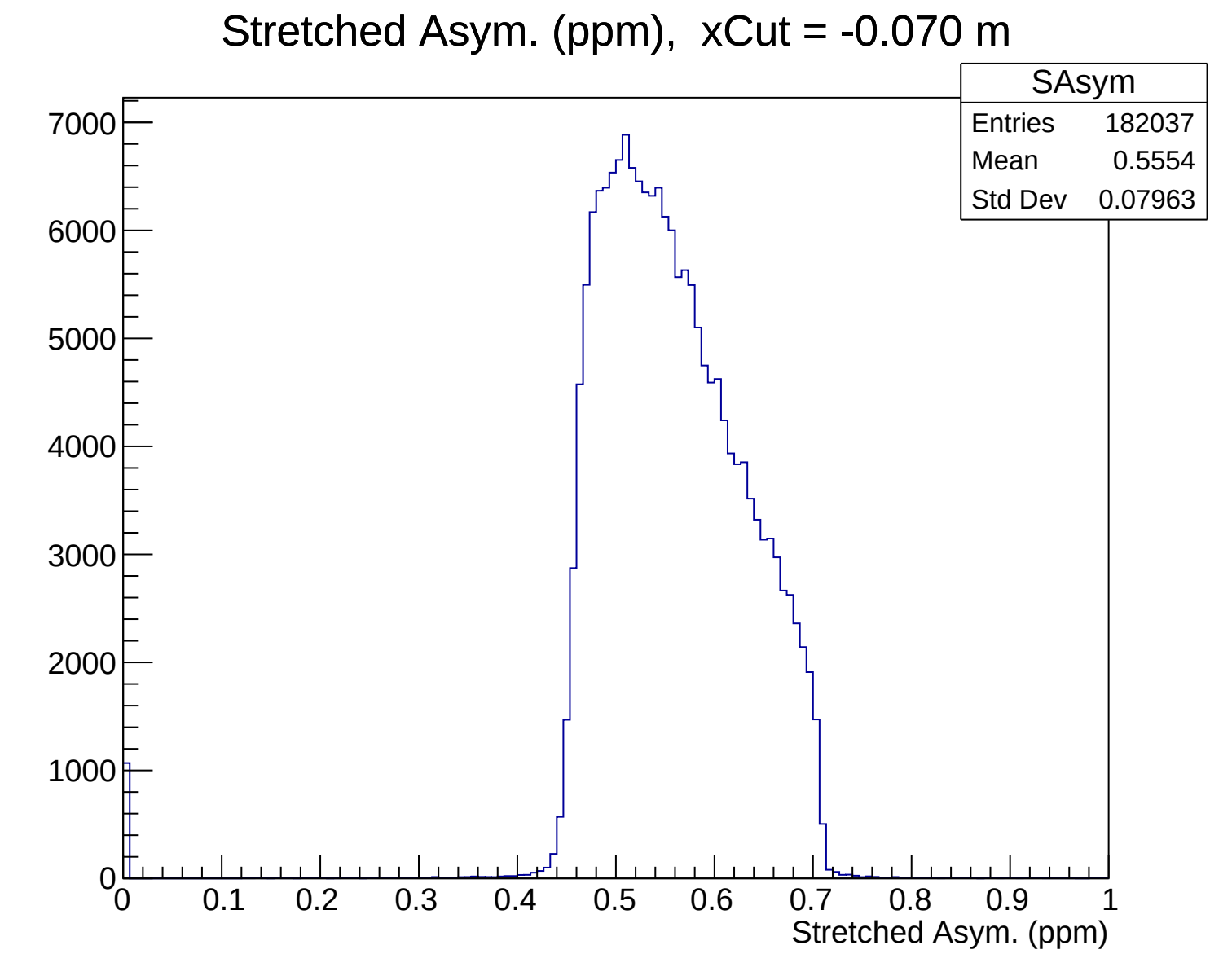

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

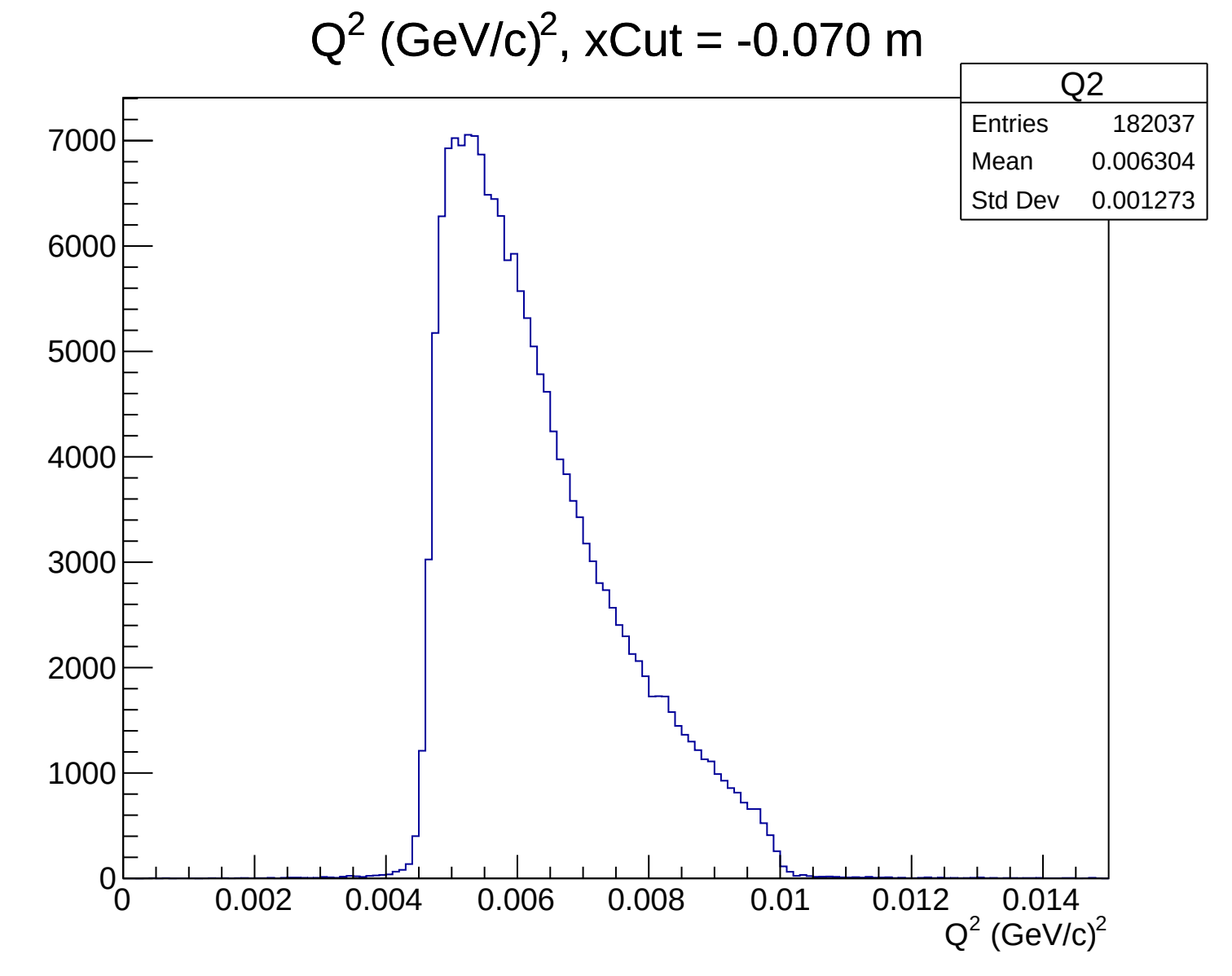

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

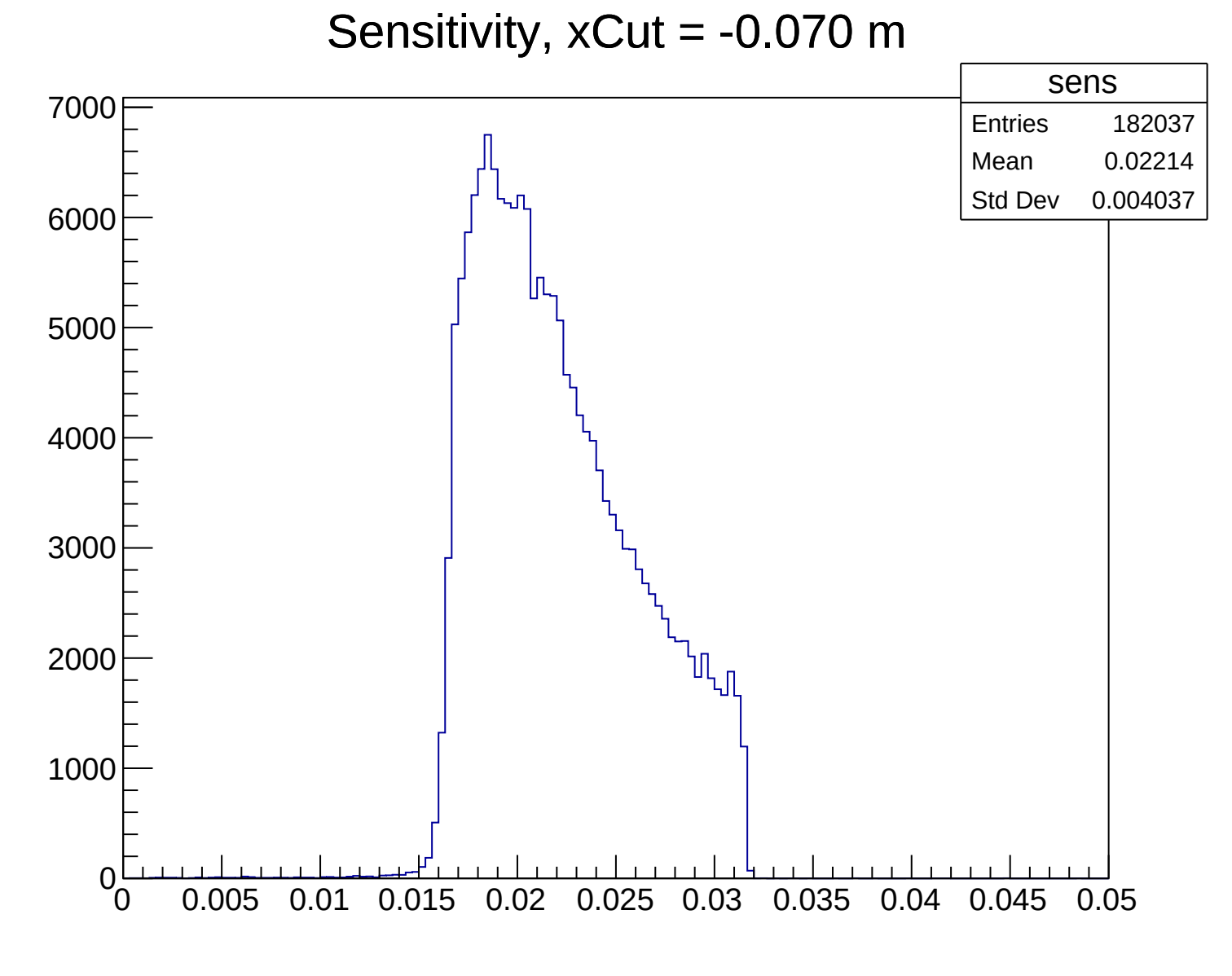

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

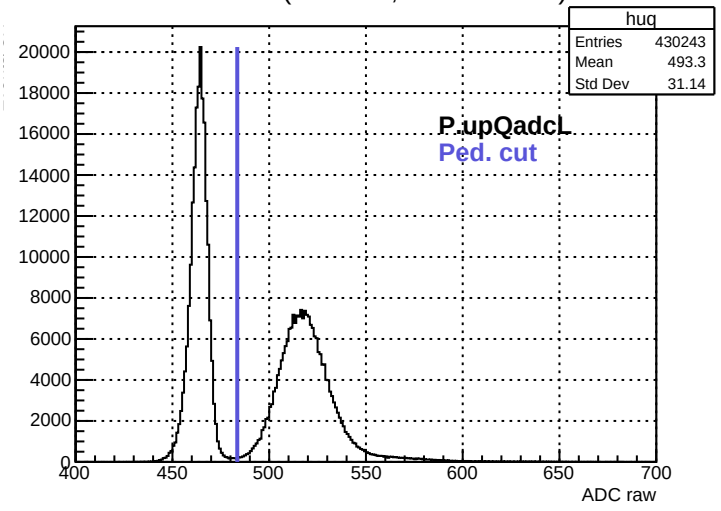

θlab (deg), xCut = -0.070 m
Theta
Entries 182037
Mean 4.777
Std Dev 0.4718
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

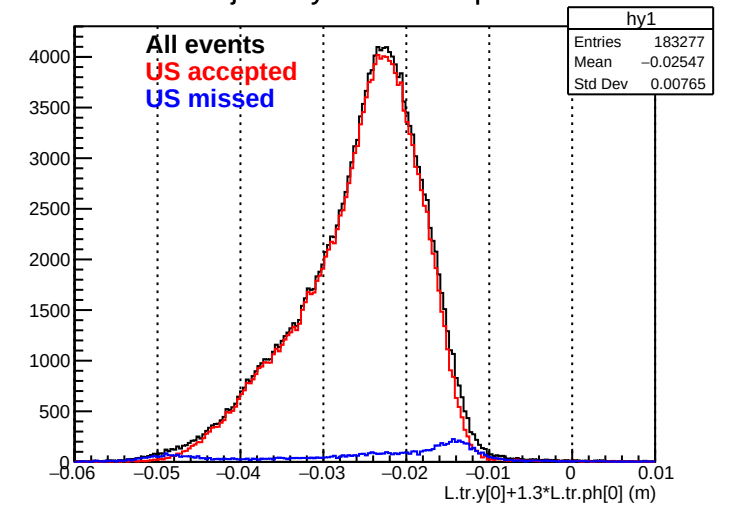

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 182037
Mean 0.5683
Std Dev 0.08349
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

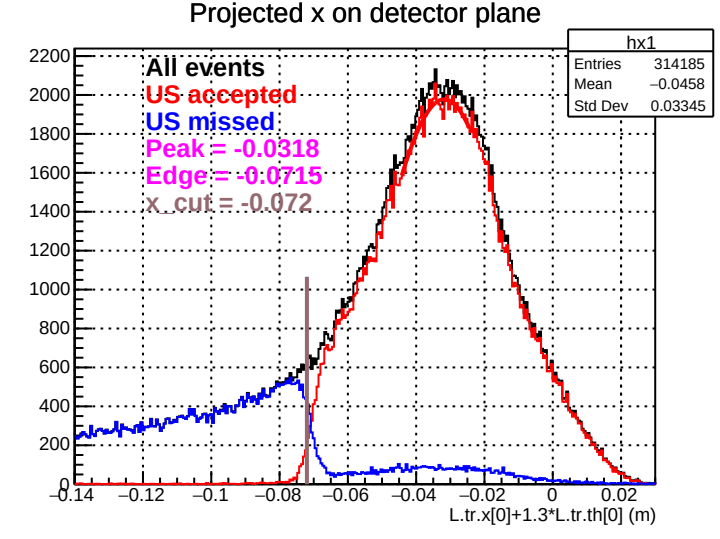

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 182037
Mean 0.5554
Std Dev 0.07963
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

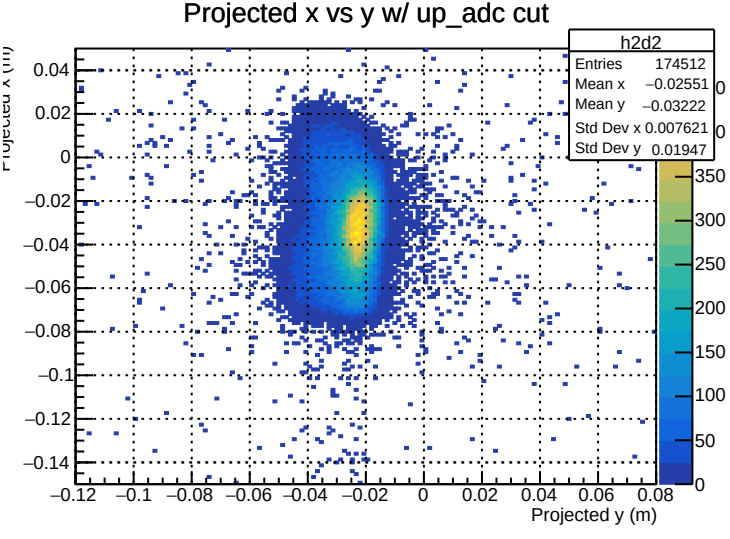

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 182037
Mean 0.006304
Std Dev 0.001273
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

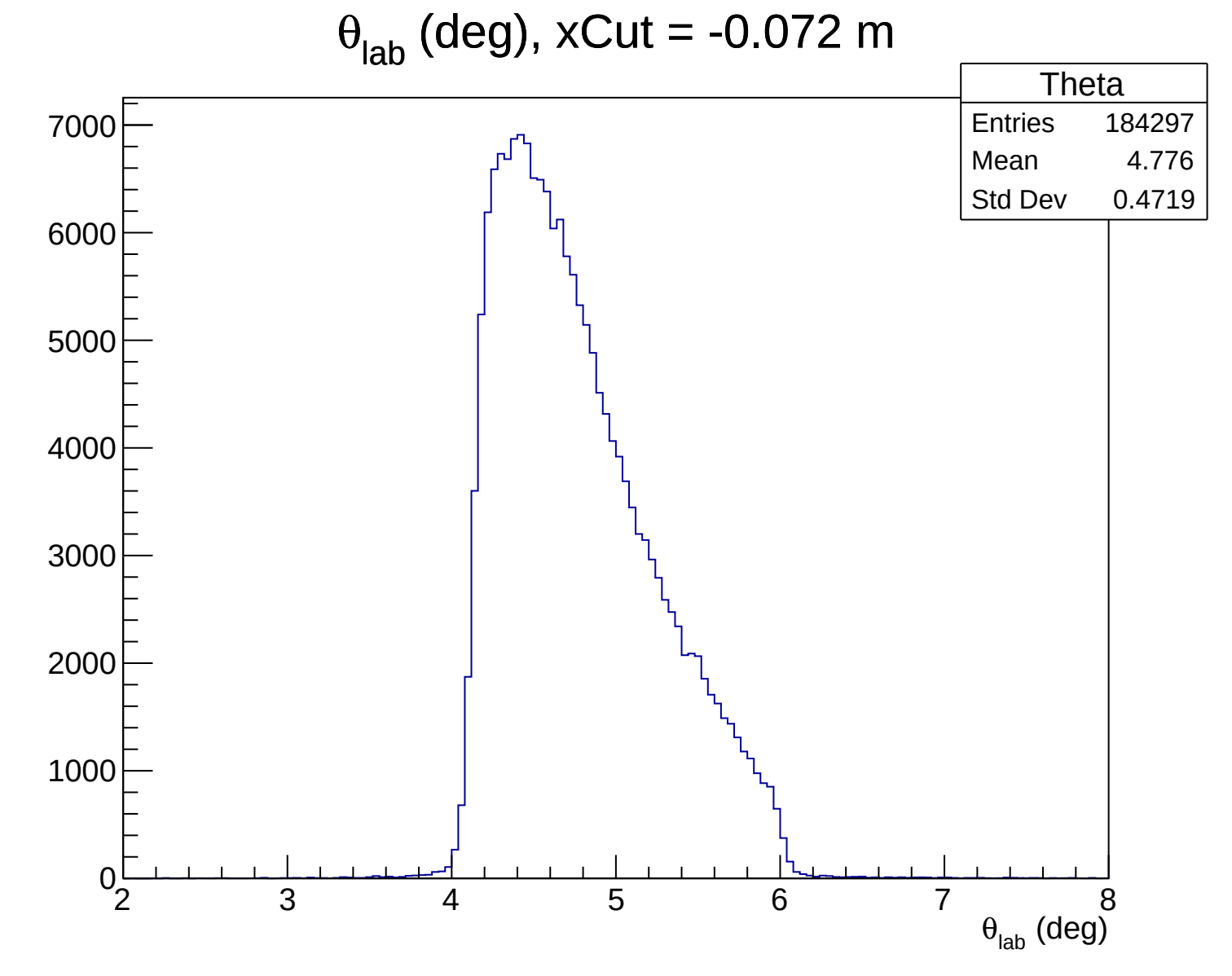

Sensitivity, xCut = -0.070 m
sens
Entries 182037
Mean 0.02214
Std Dev 0.004037
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

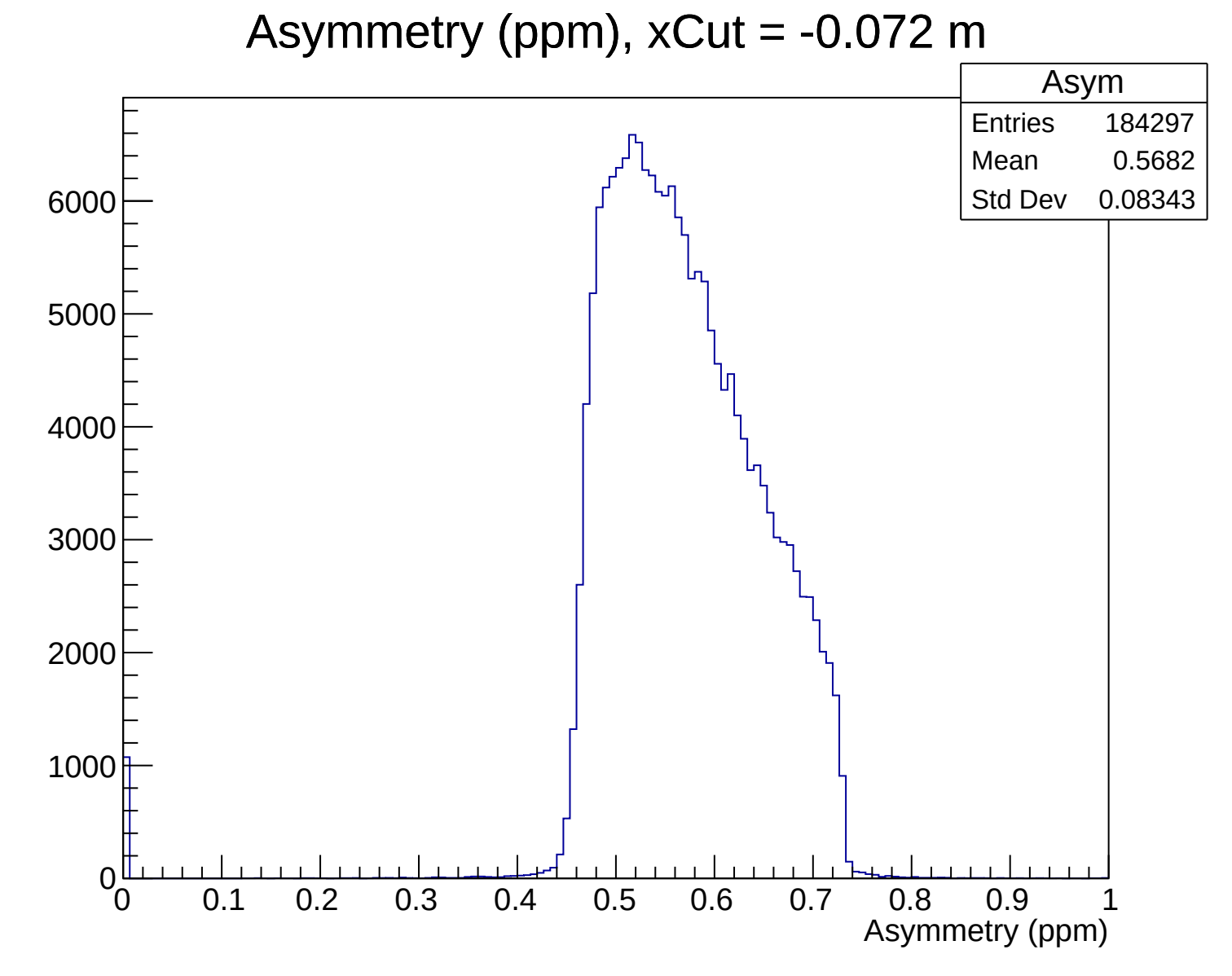

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

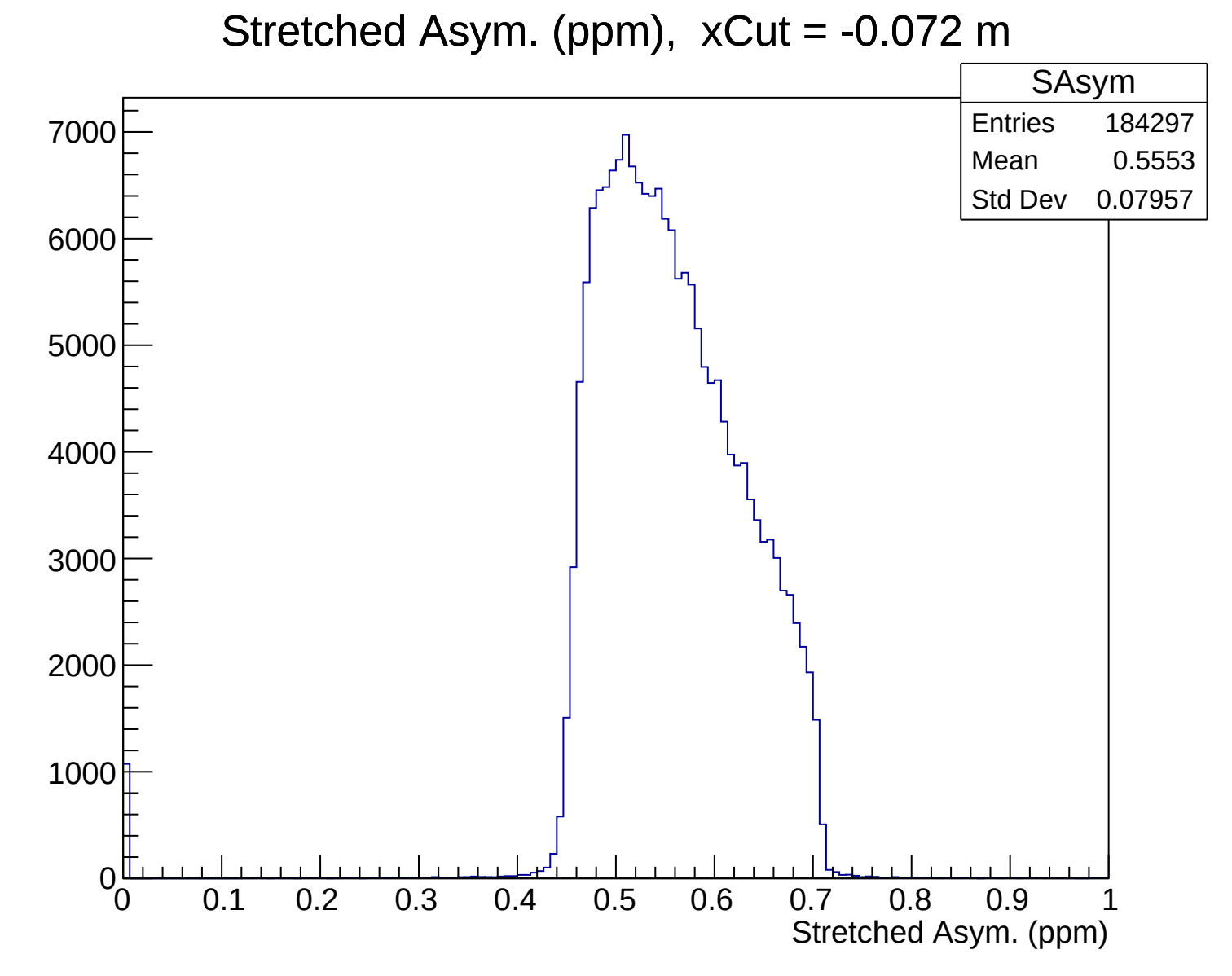

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

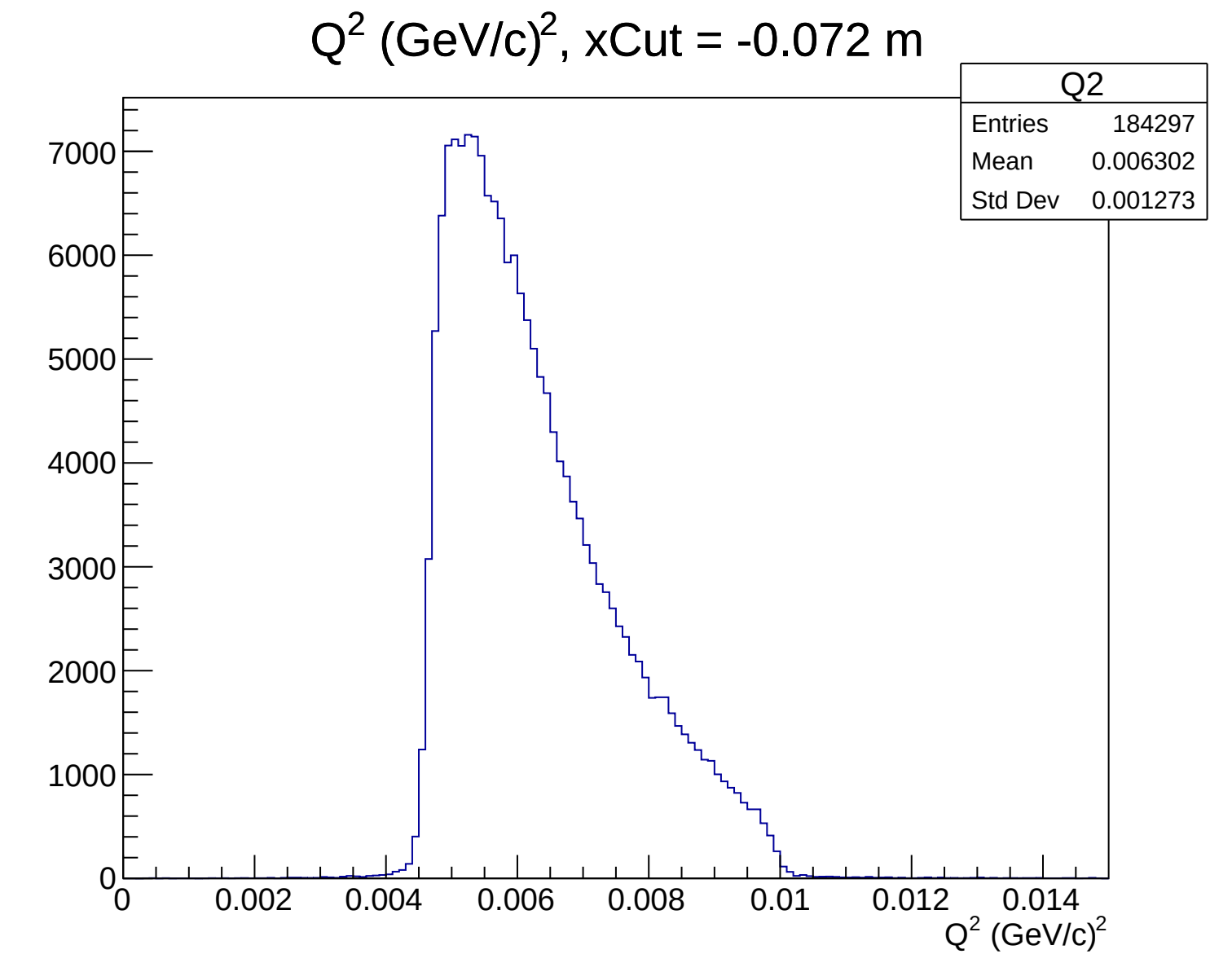

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.072
L.tr.x[0]+1.3*L.tr.th[0] (m)

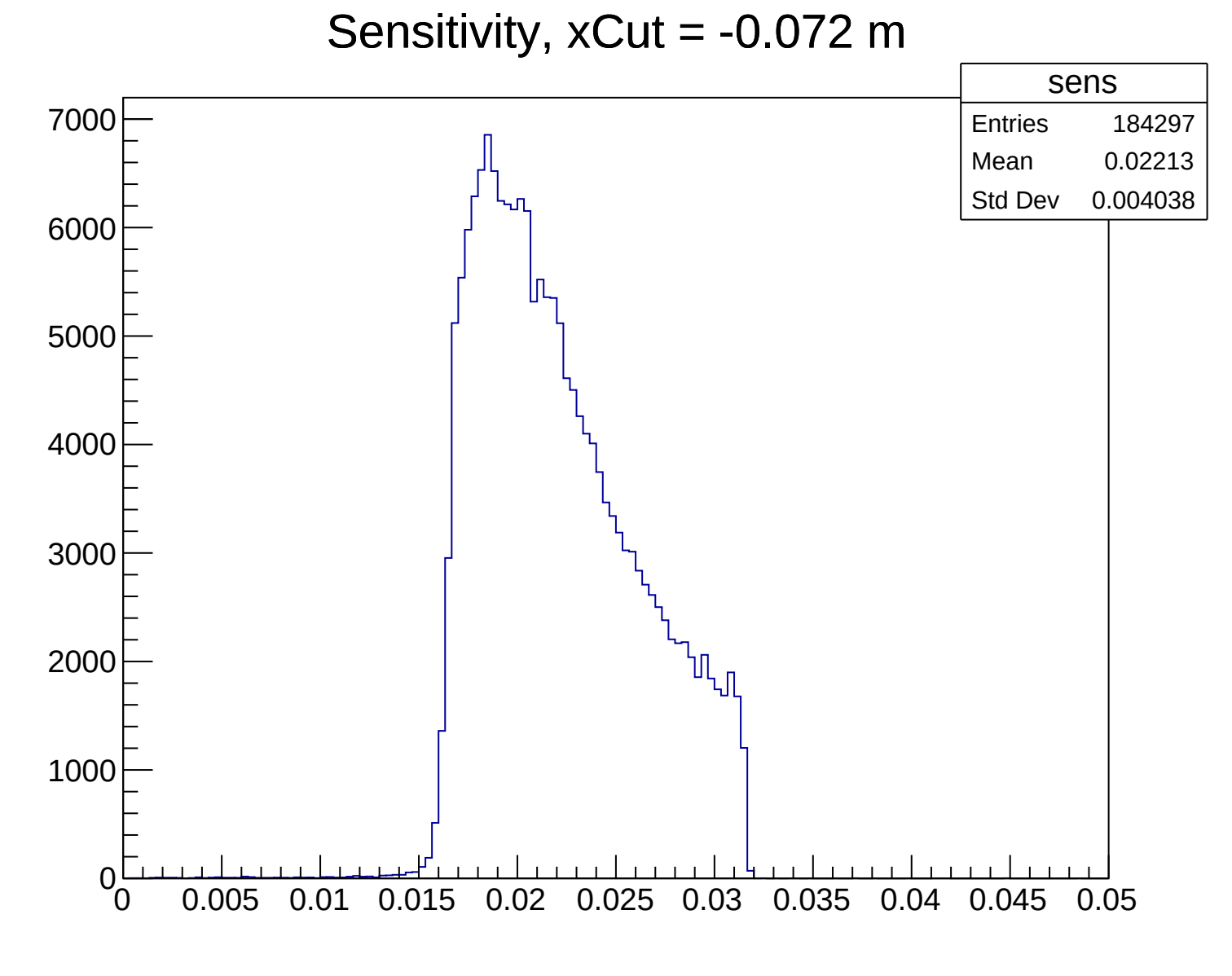

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

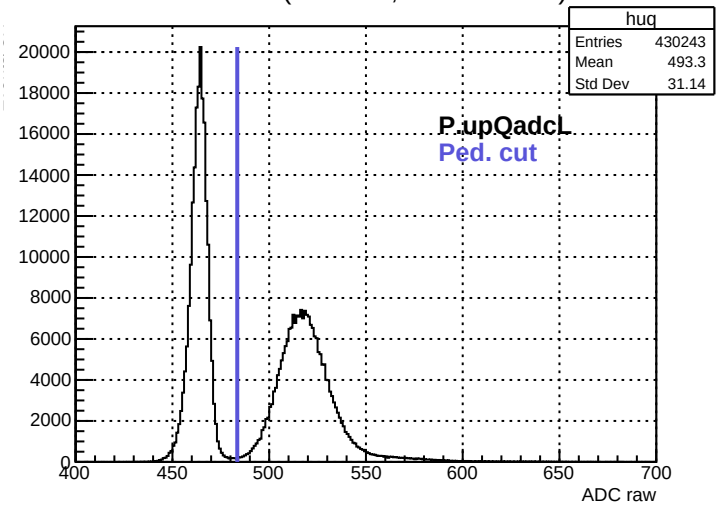

θlab (deg), xCut = -0.072 m
Theta
Entries 184297
Mean 4.776
Std Dev 0.4719
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

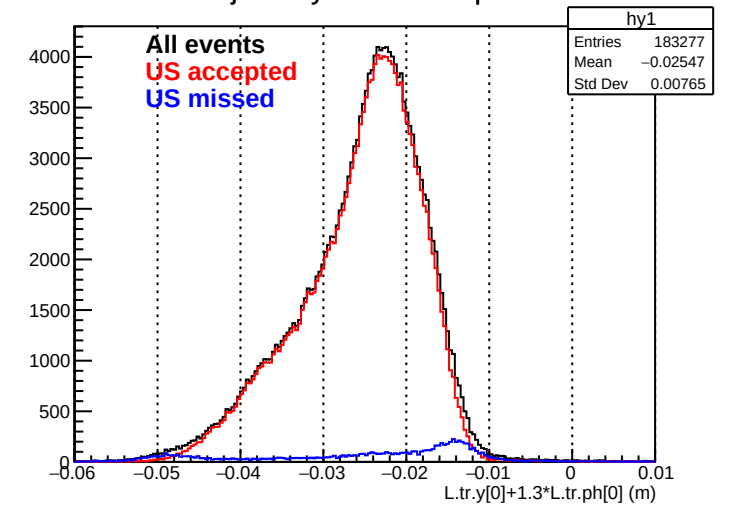

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 184297
Mean 0.5682
Std Dev 0.08343
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

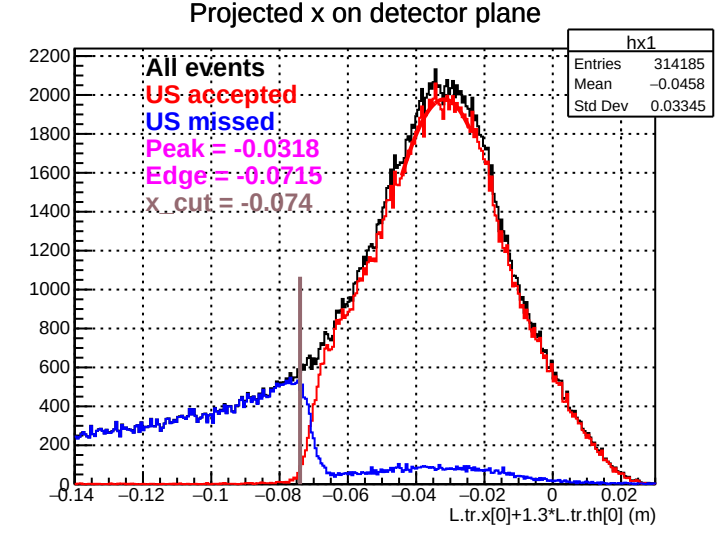

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 184297
Mean 0.5553
Std Dev 0.07957
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

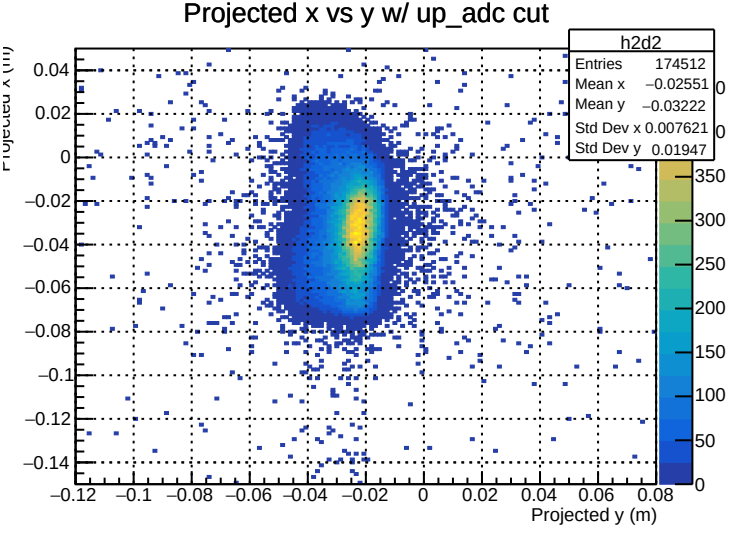

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 184297
Mean 0.006302
Std Dev 0.001273
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

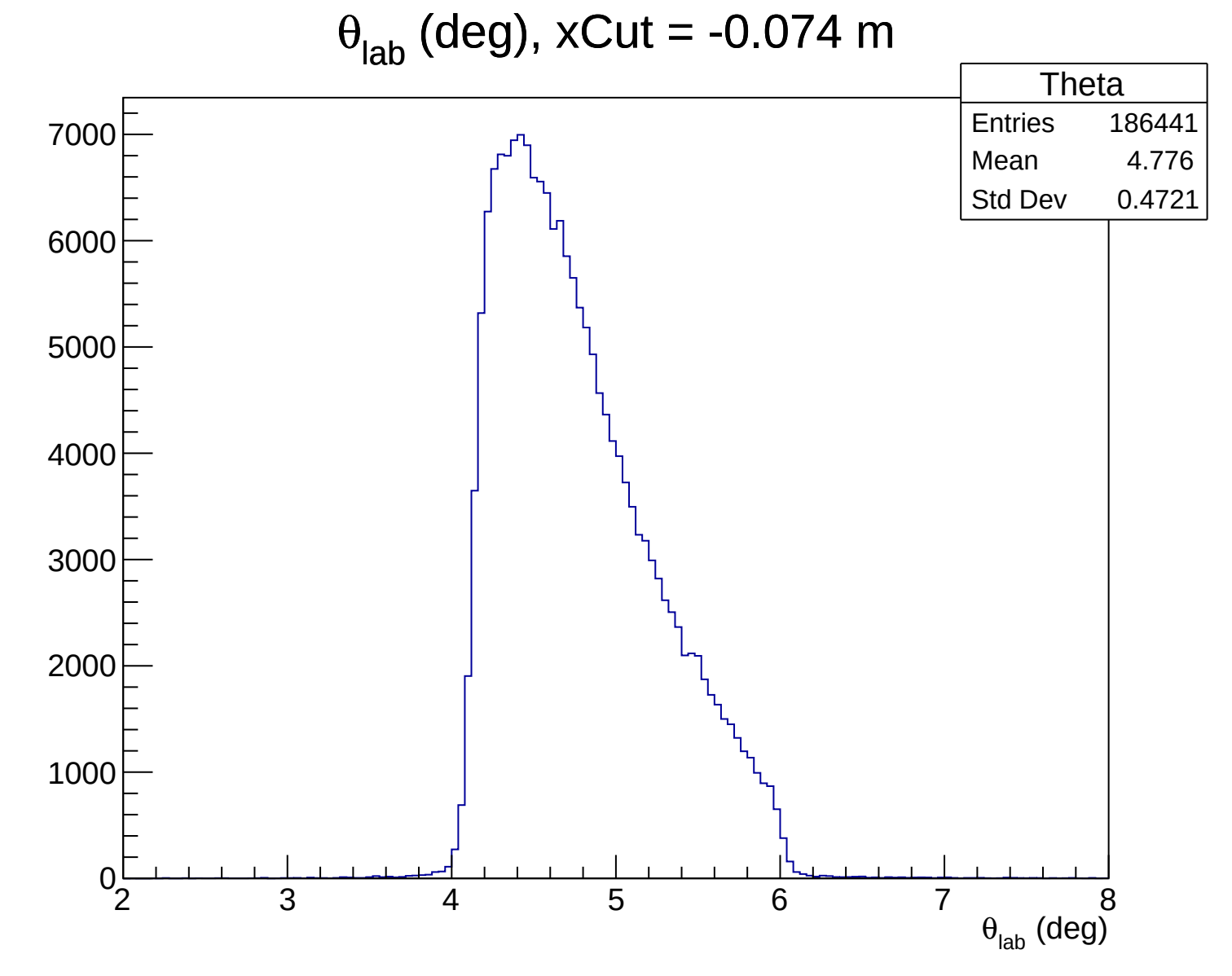

Sensitivity, xCut = -0.072 m
sens
Entries 184297
Mean 0.02213
Std Dev 0.004038
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

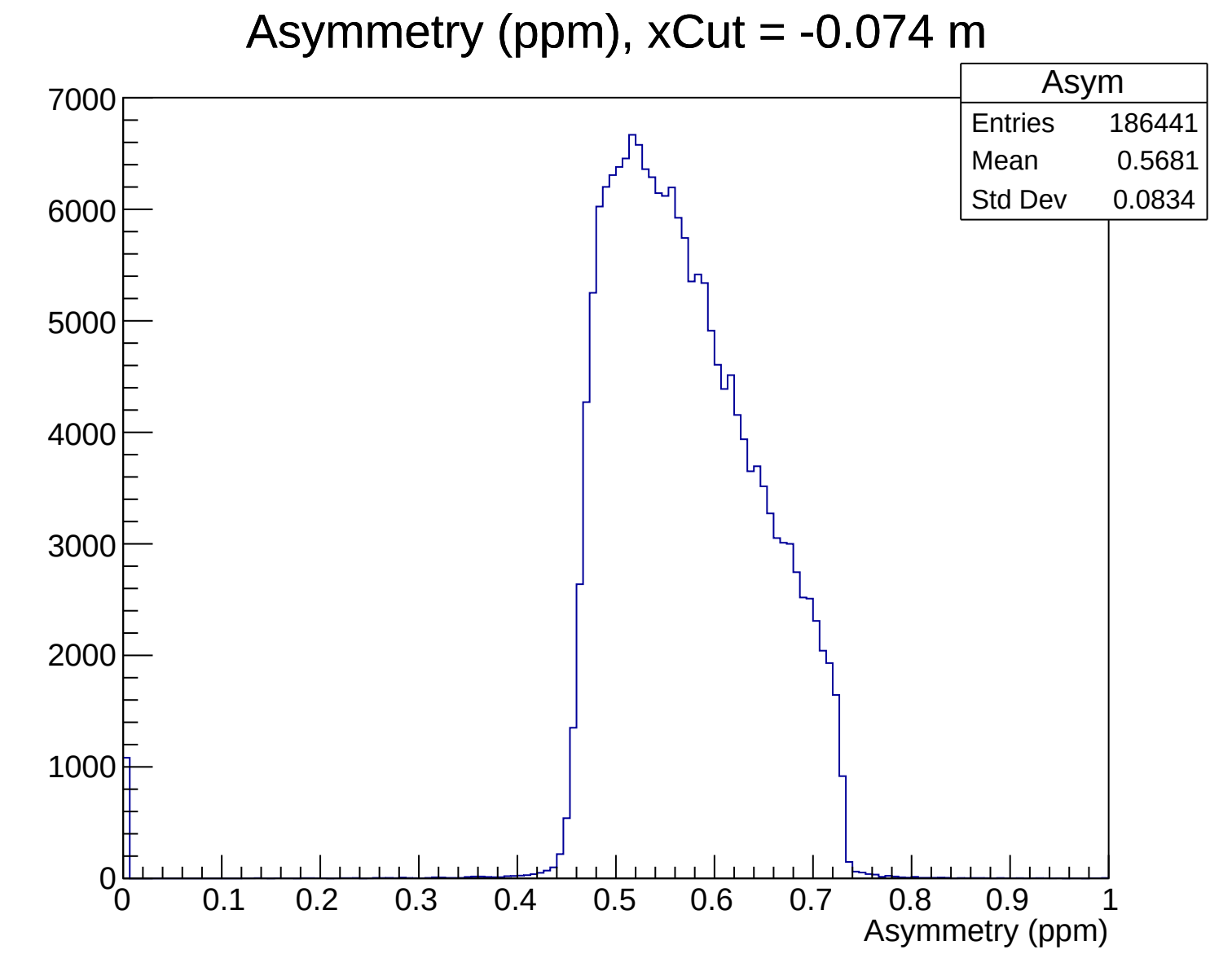

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

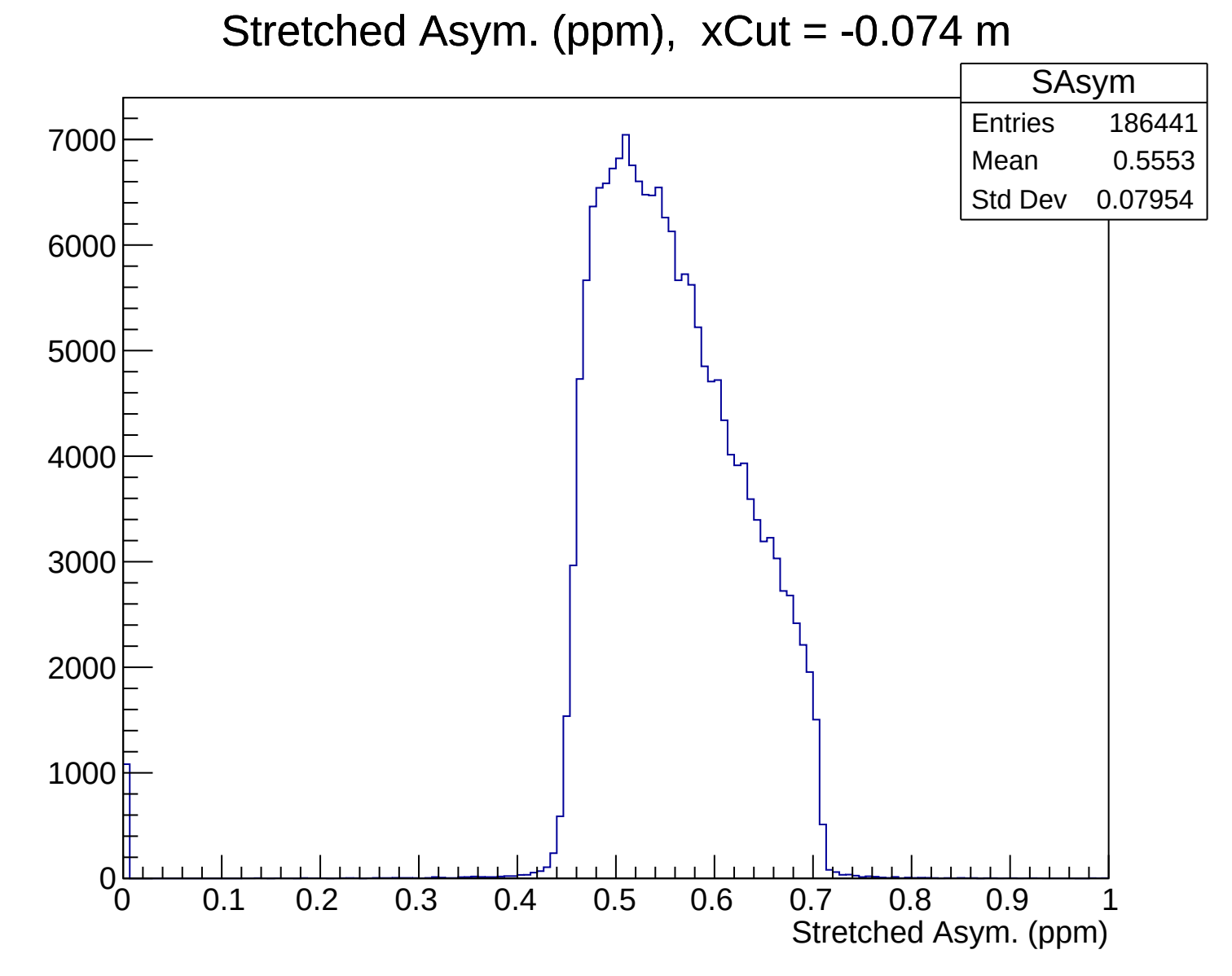

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

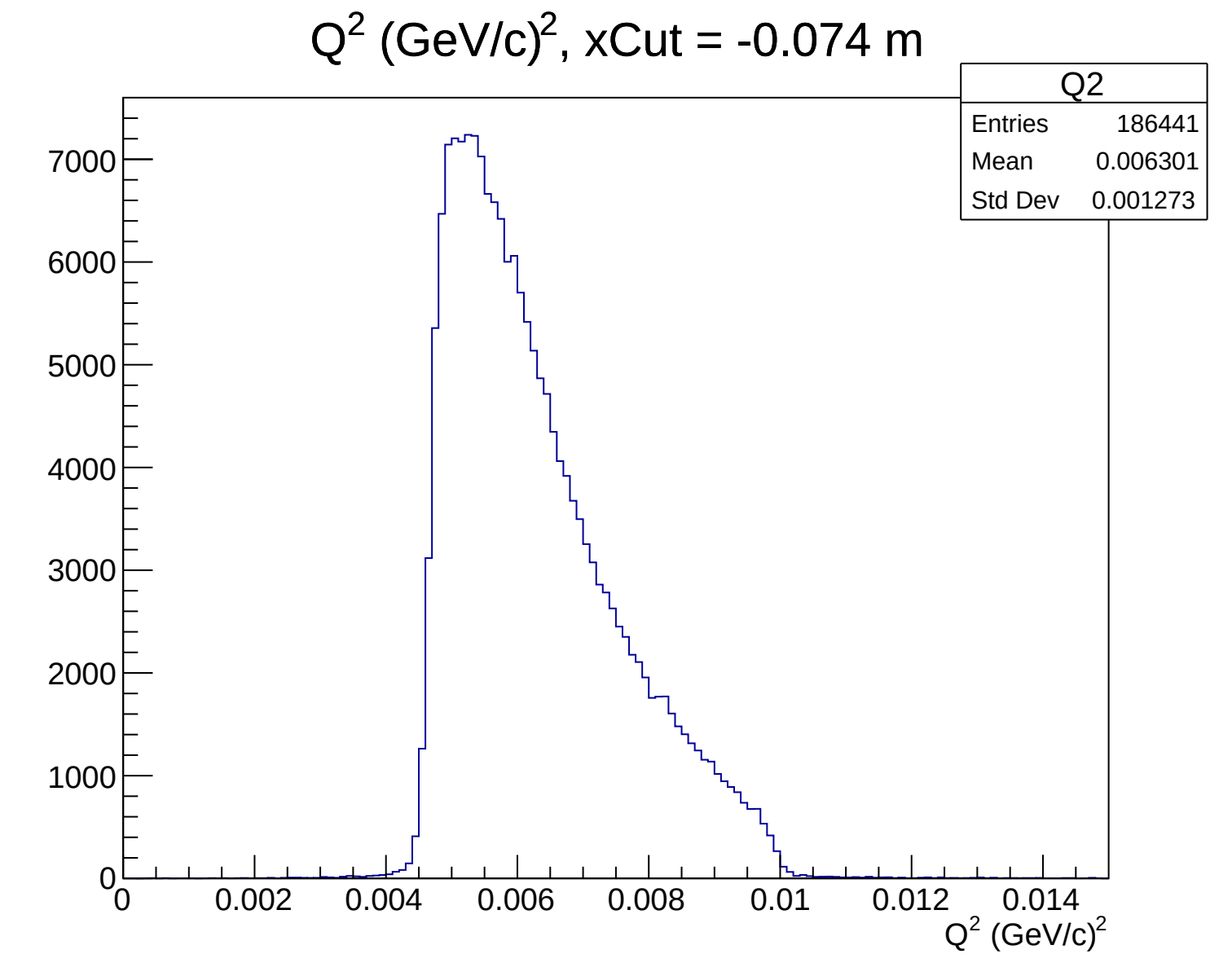

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.074
L.tr.x[0]+1.3*L.tr.th[0] (m)

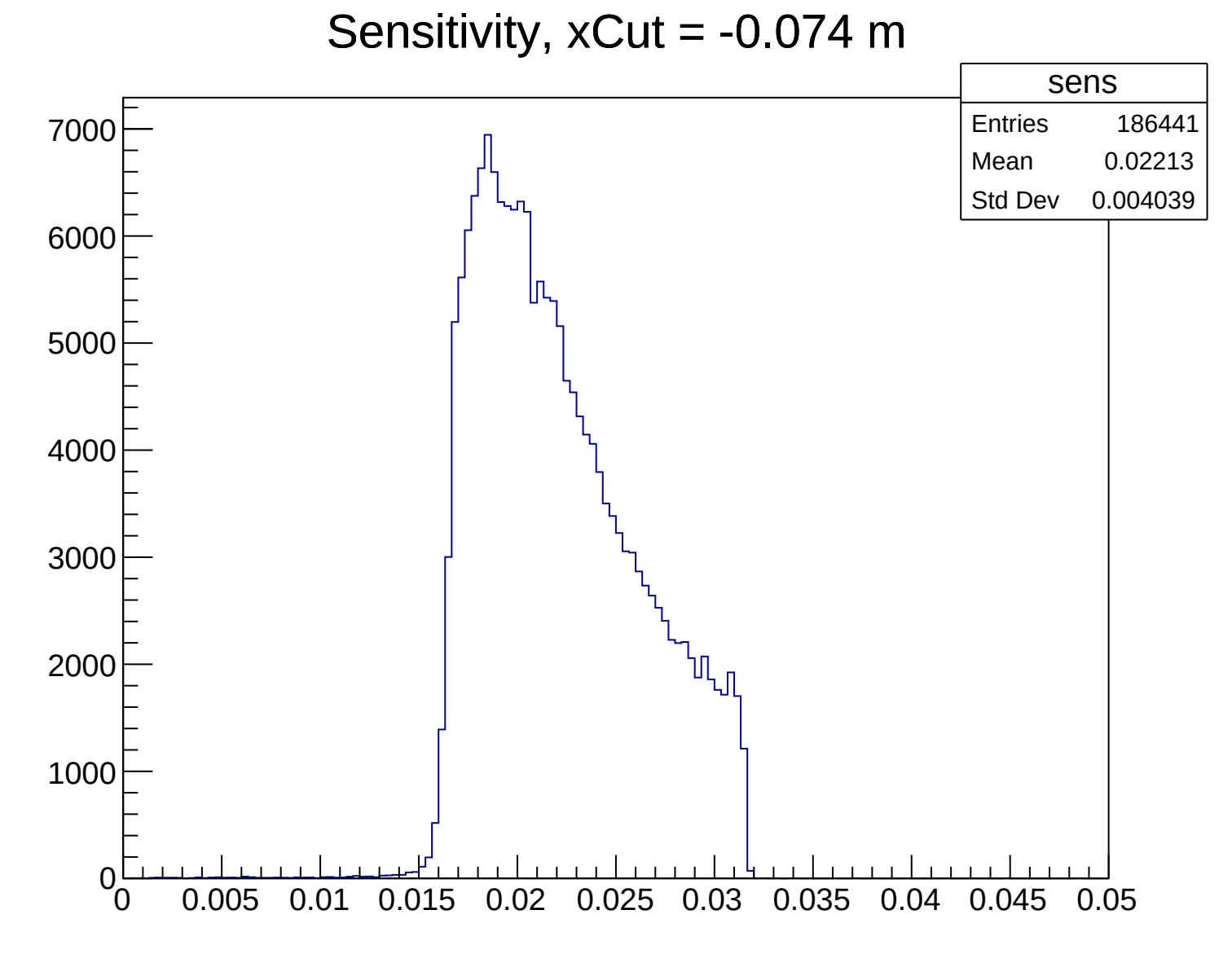

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

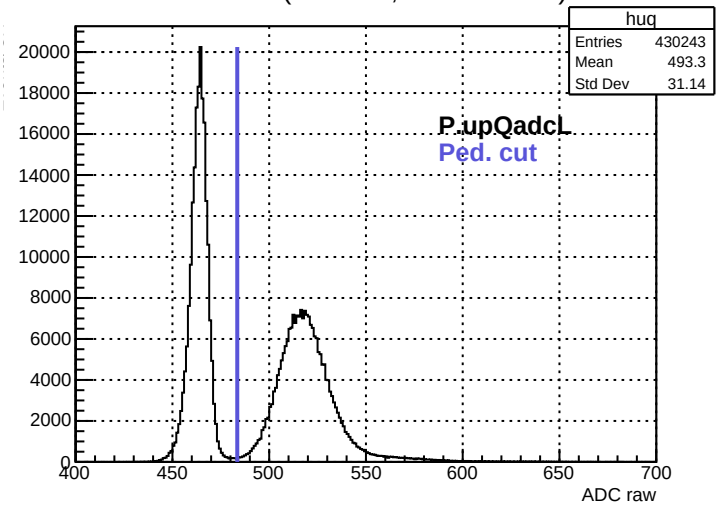

θlab (deg), xCut = -0.074 m
Theta
Entries 186441
Mean 4.776
Std Dev 0.4721
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

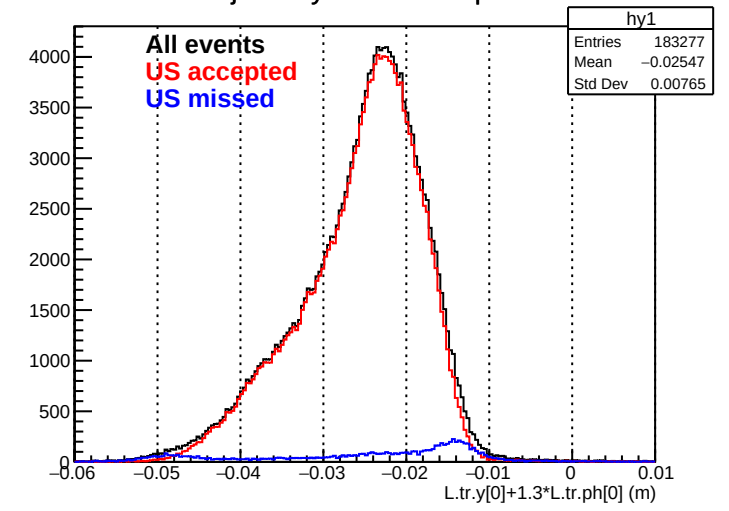

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 186441
Mean 0.5681
Std Dev 0.0834
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

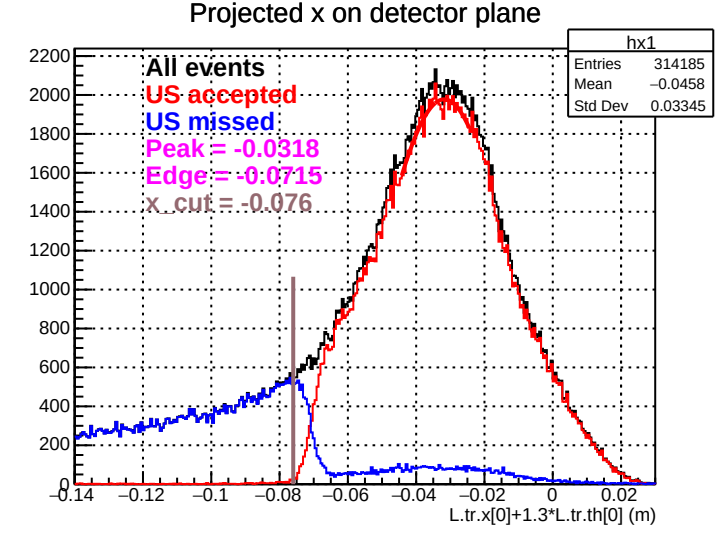

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 186441
Mean 0.5553
Std Dev 0.07954
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

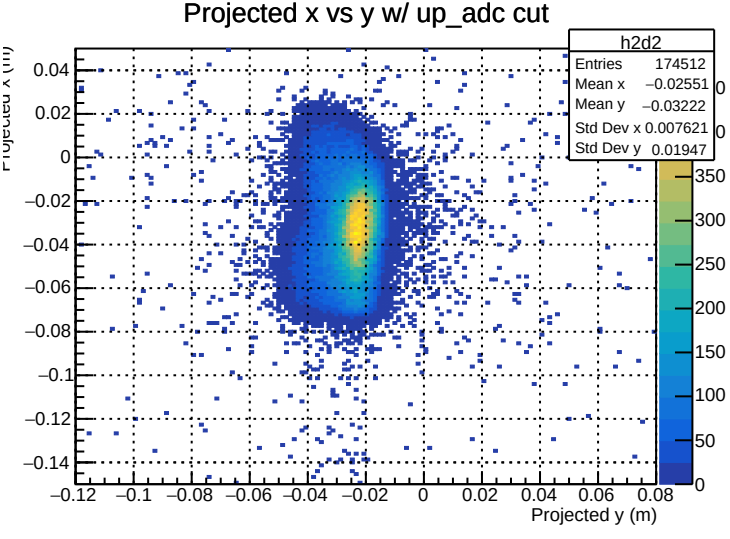

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 186441
Mean 0.006301
Std Dev 0.001273
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

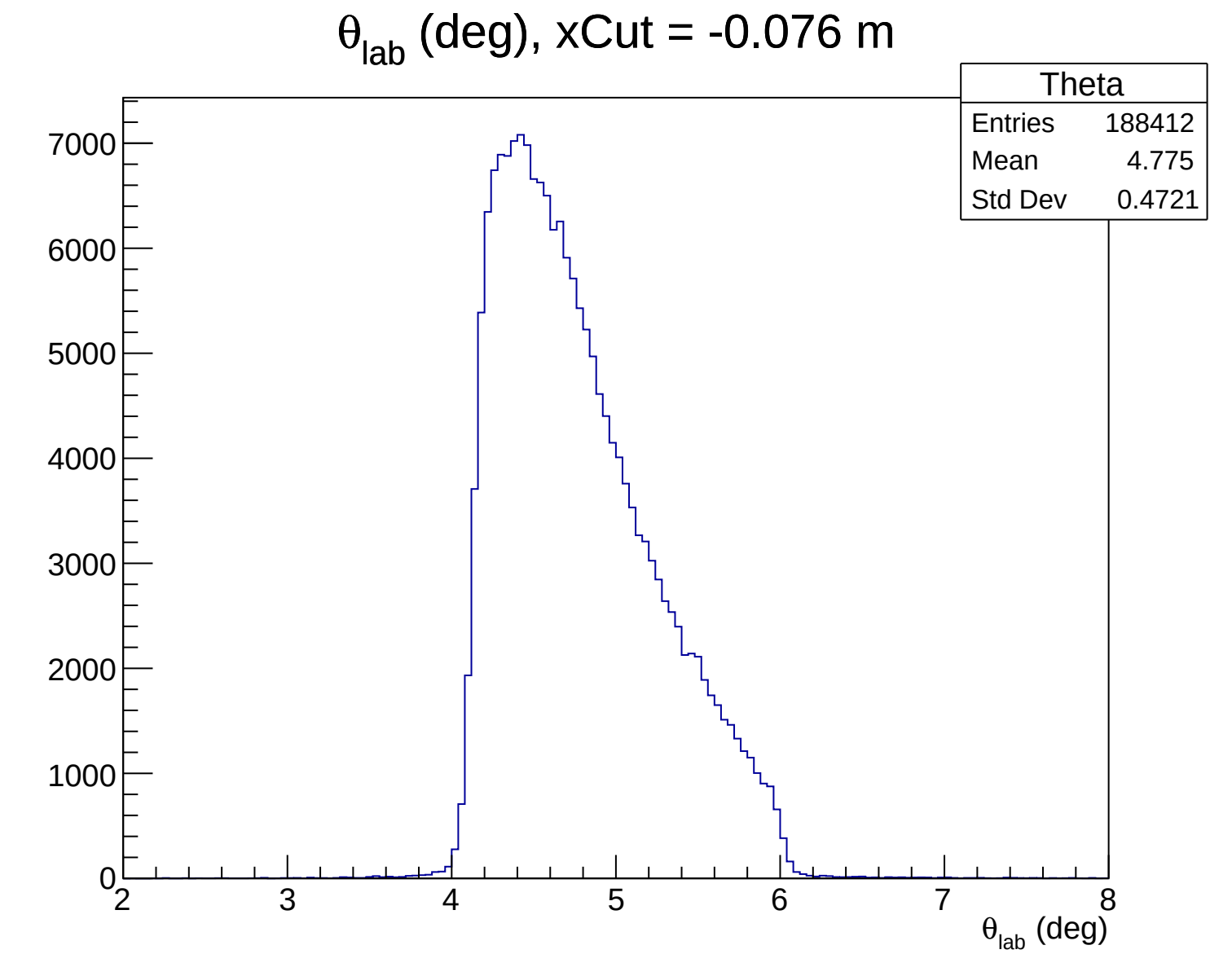

Sensitivity, xCut = -0.074 m
sens
Entries 186441
Mean 0.02213
Std Dev 0.004039
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

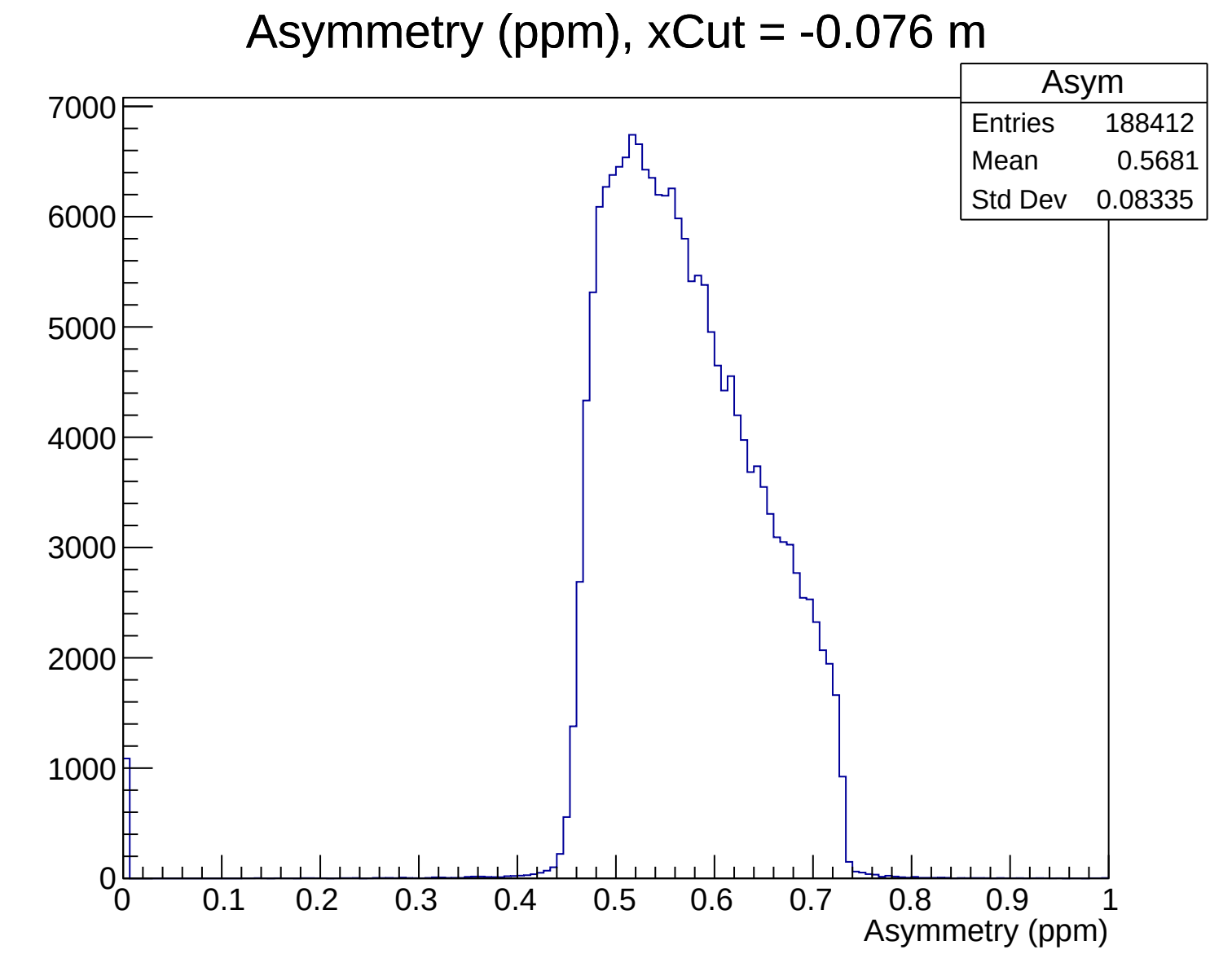

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

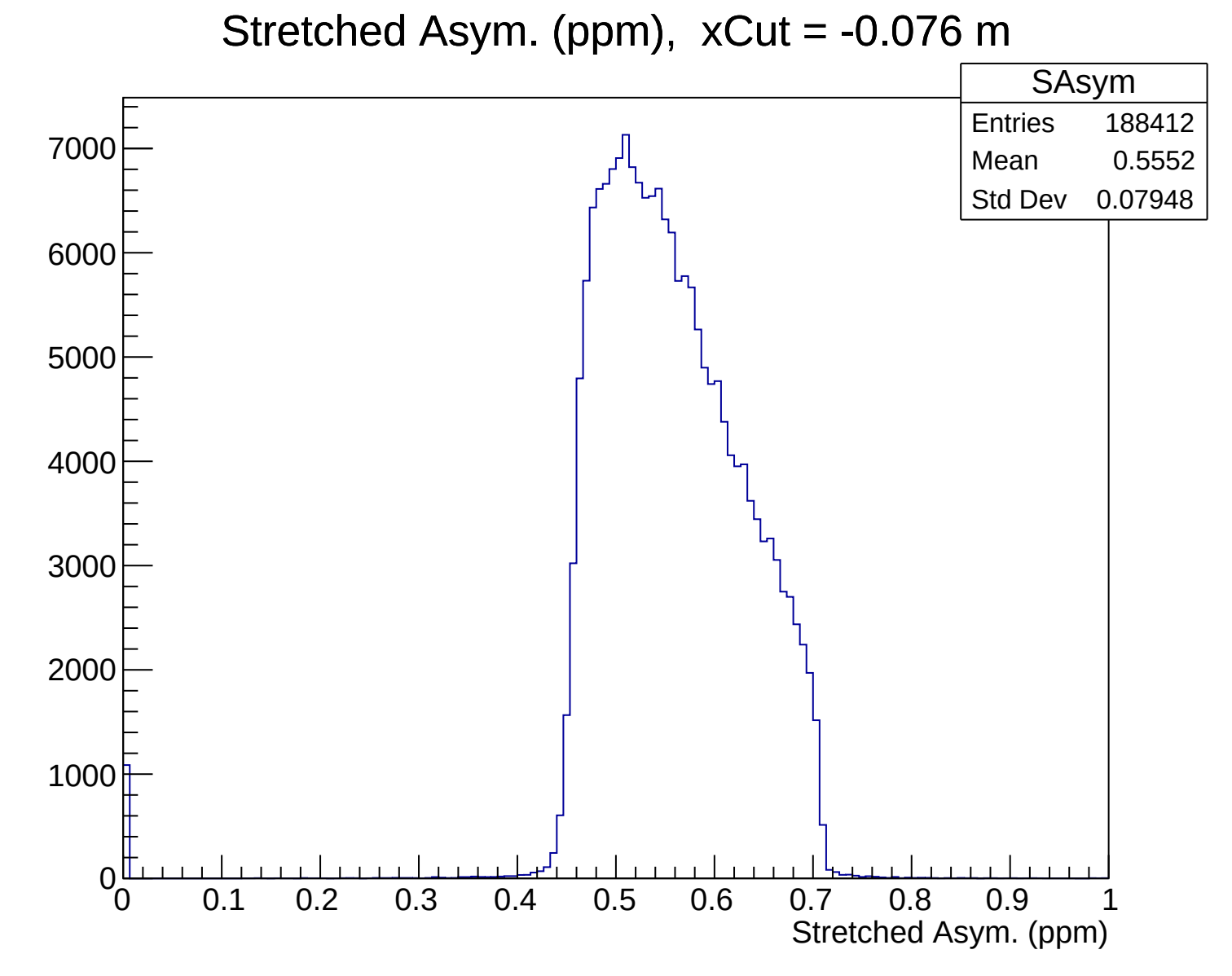

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

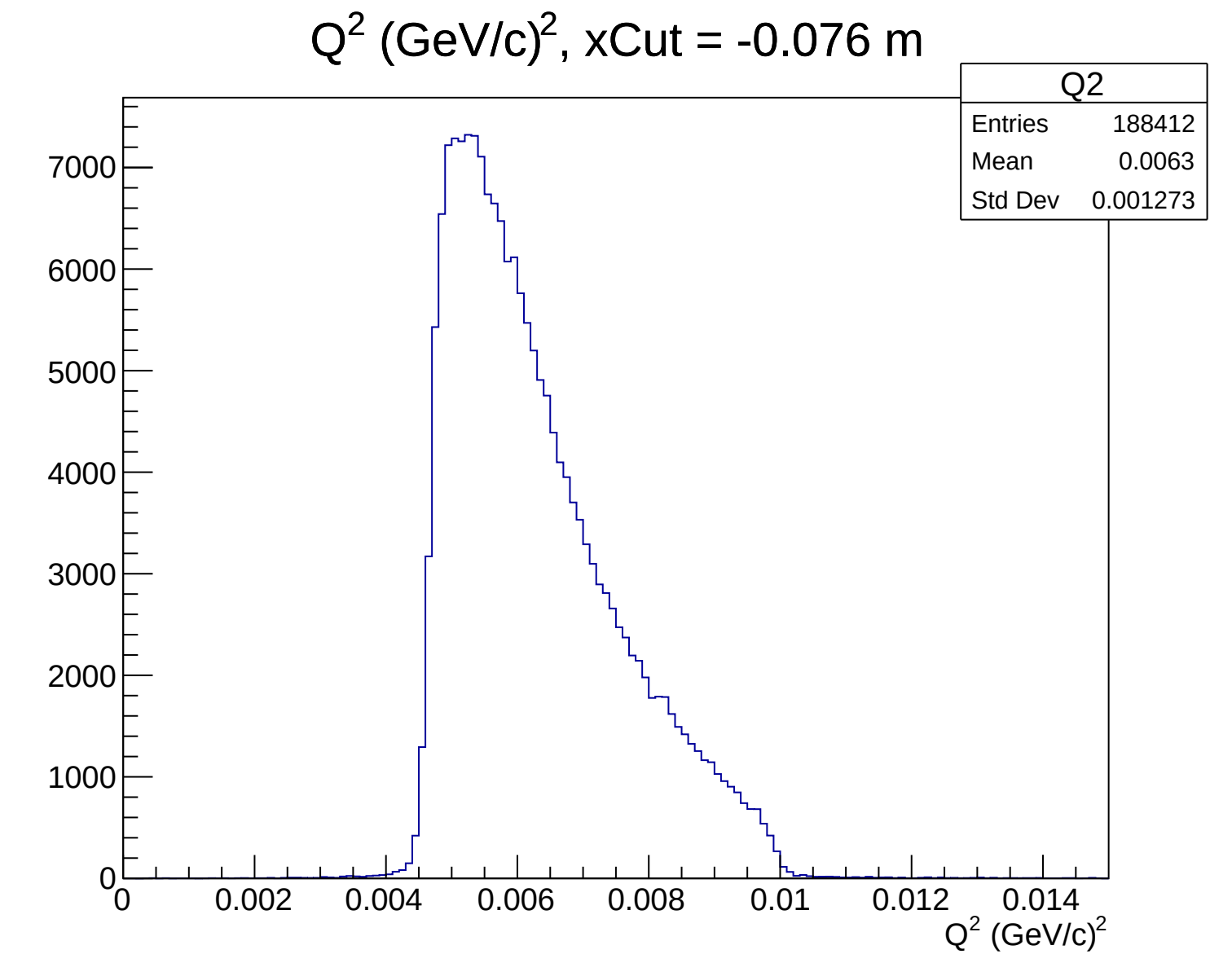

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.076
L.tr.x[0]+1.3*L.tr.th[0] (m)

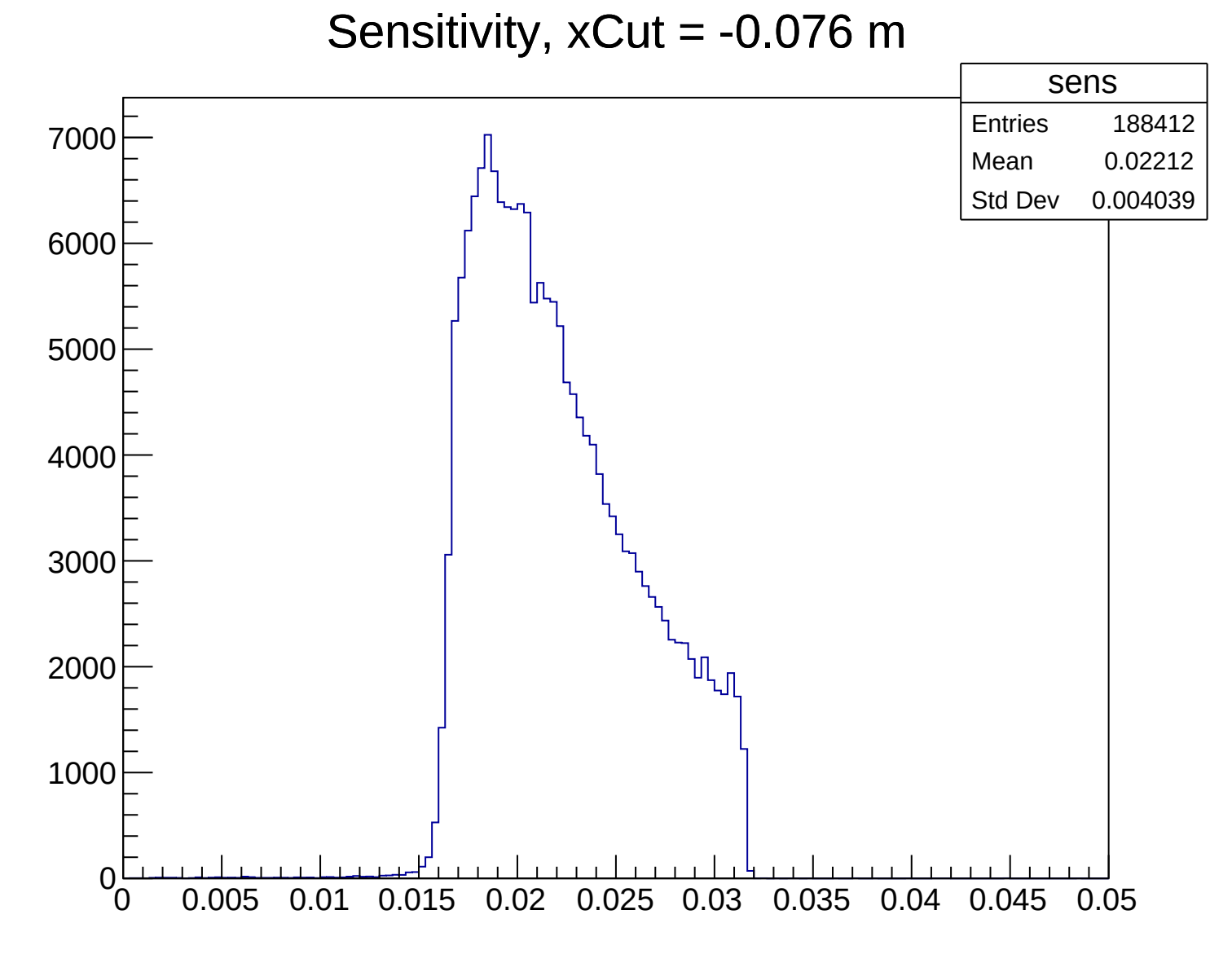

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

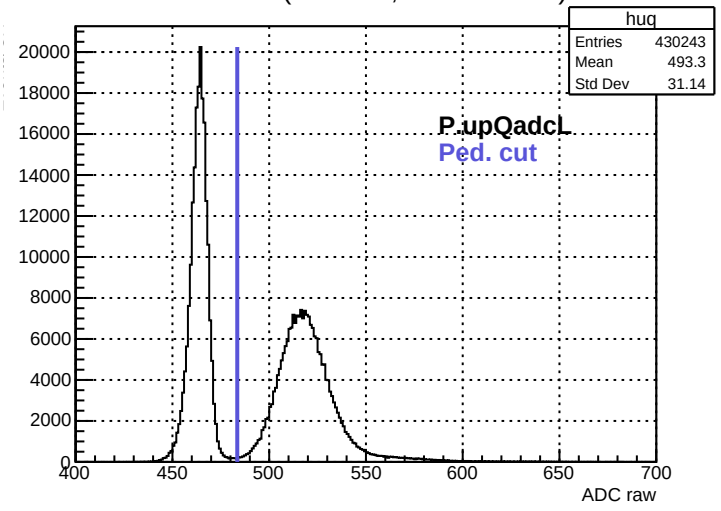

θlab (deg), xCut = -0.076 m
Theta
Entries 188412
Mean 4.775
Std Dev 0.4721
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

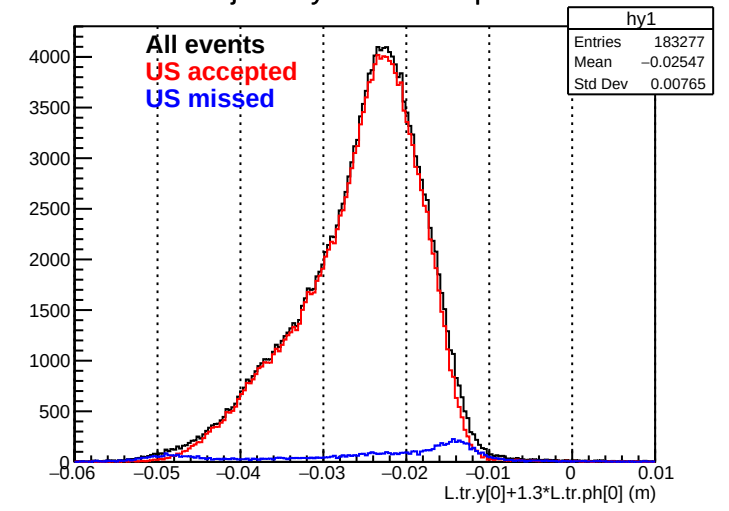

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 188412
Mean 0.5681
Std Dev 0.08335
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

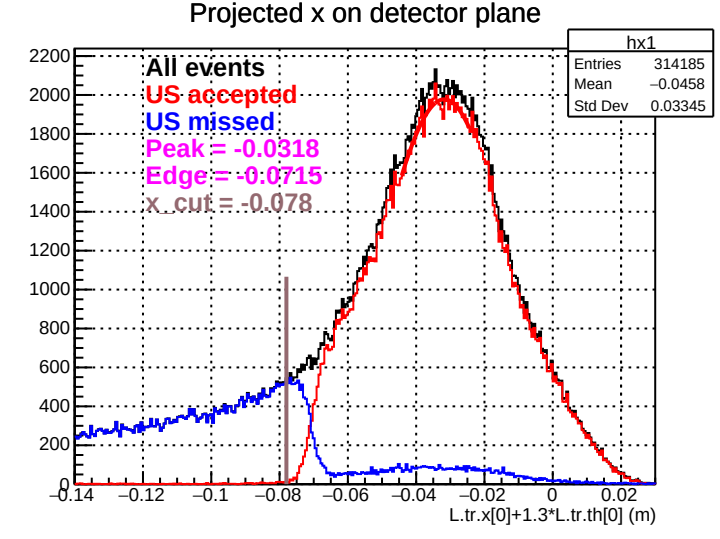

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 188412
Mean 0.5552
Std Dev 0.07948
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

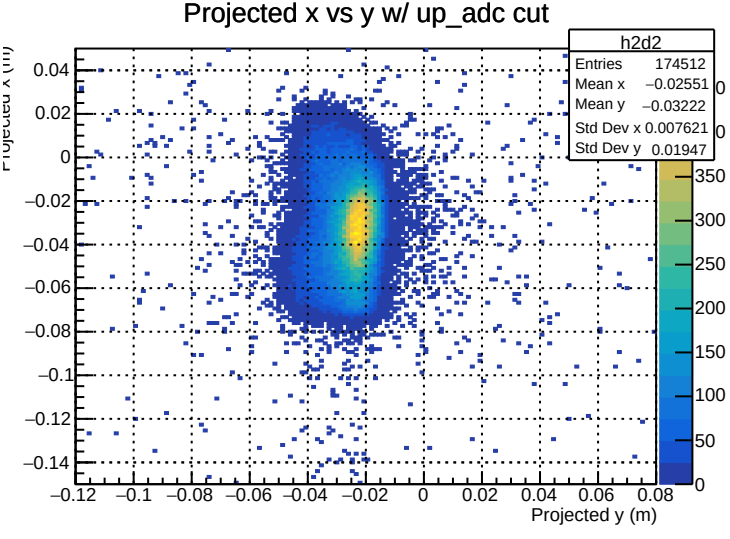

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 188412
Mean 0.0063
Std Dev 0.001273
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

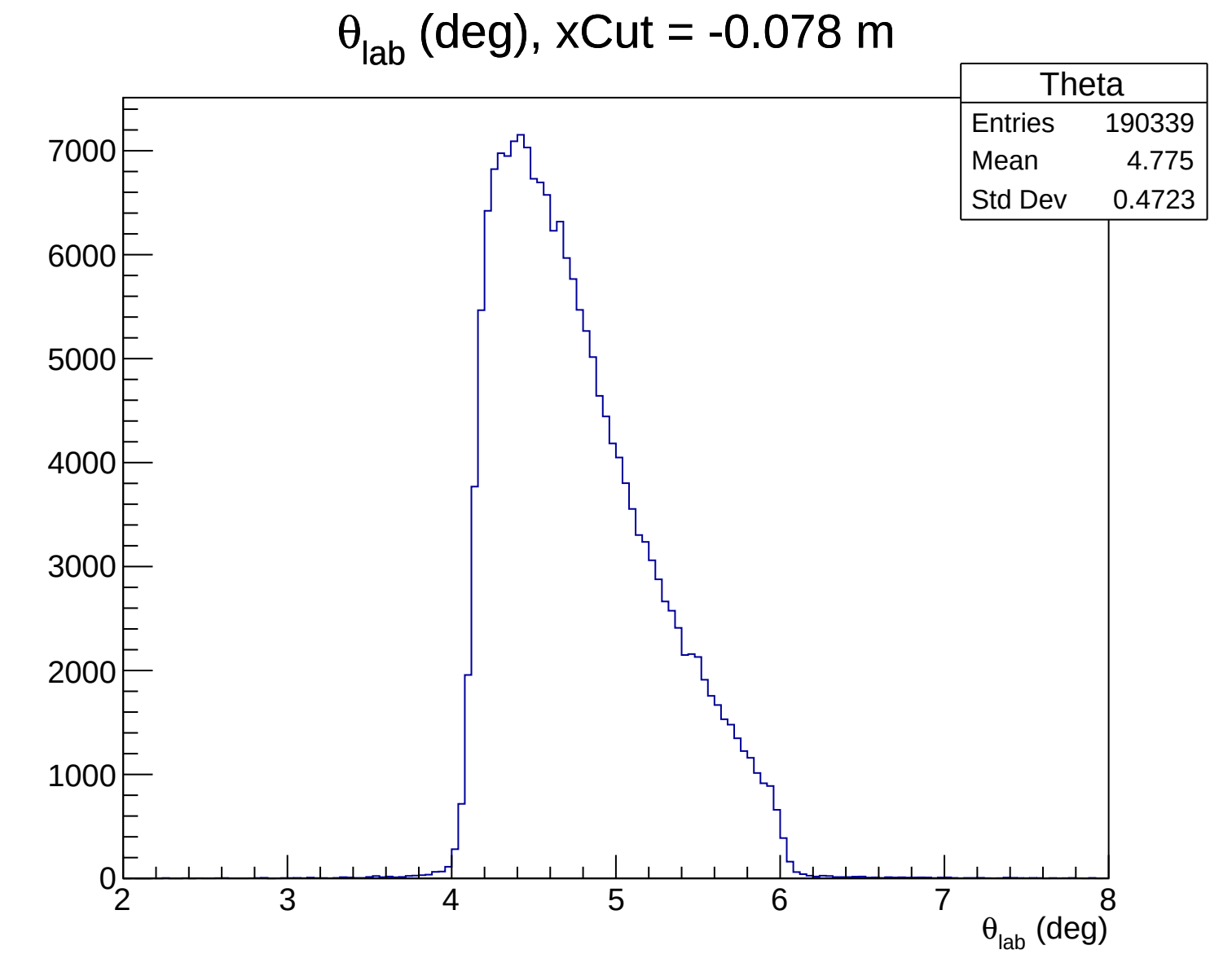

Sensitivity, xCut = -0.076 m
sens
Entries 188412
Mean 0.02212
Std Dev 0.004039
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

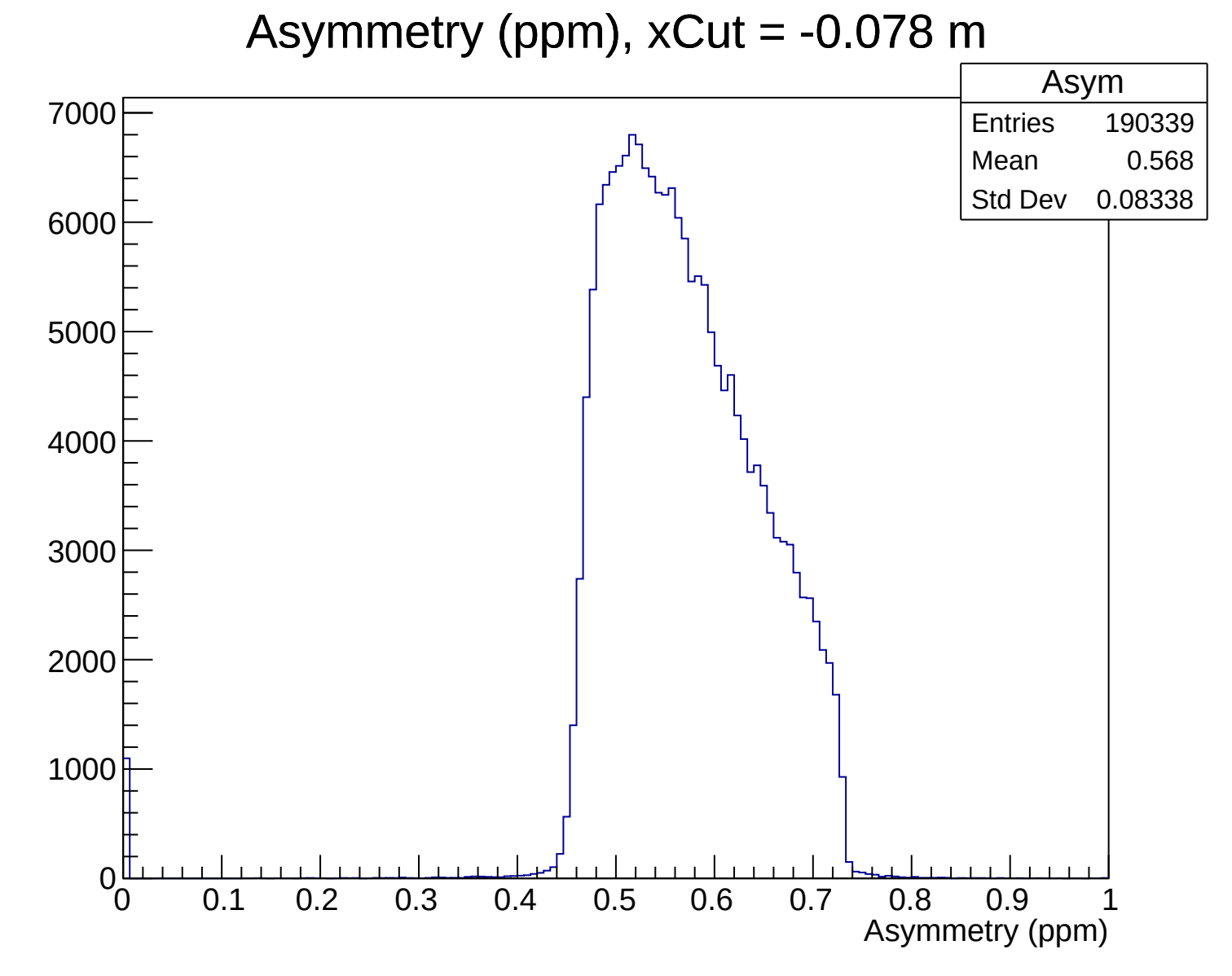

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

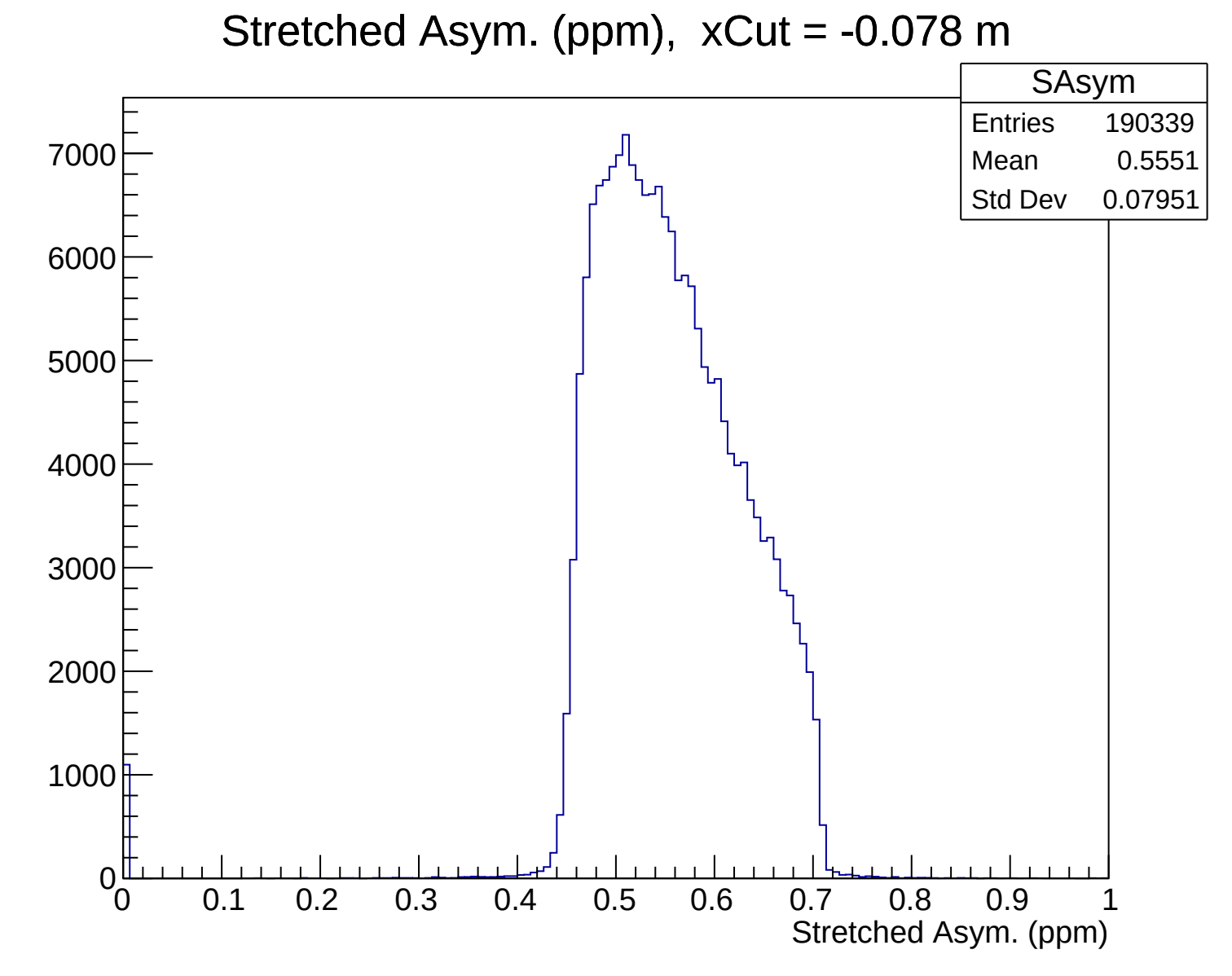

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

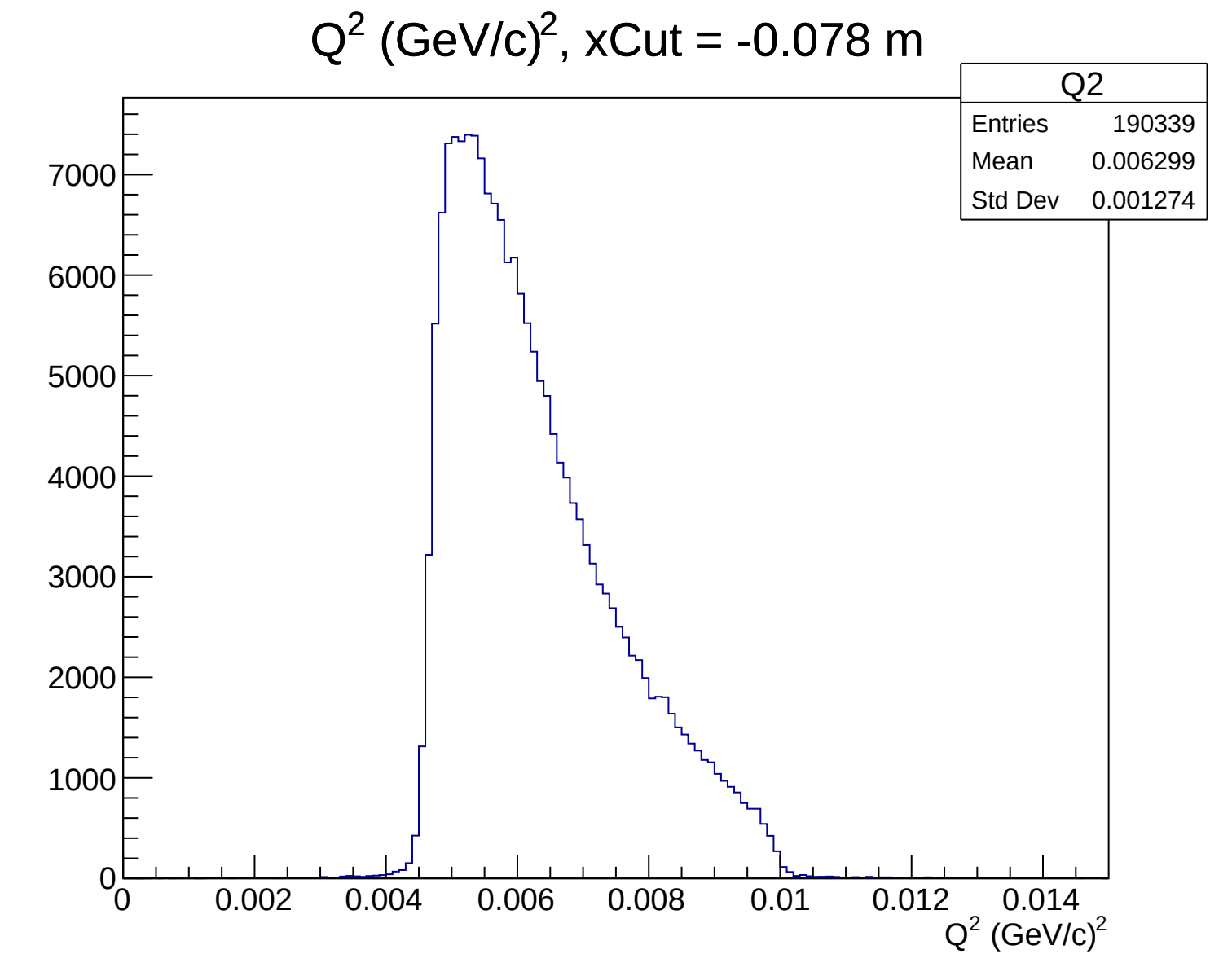

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.078
L.tr.x[0]+1.3*L.tr.th[0] (m)

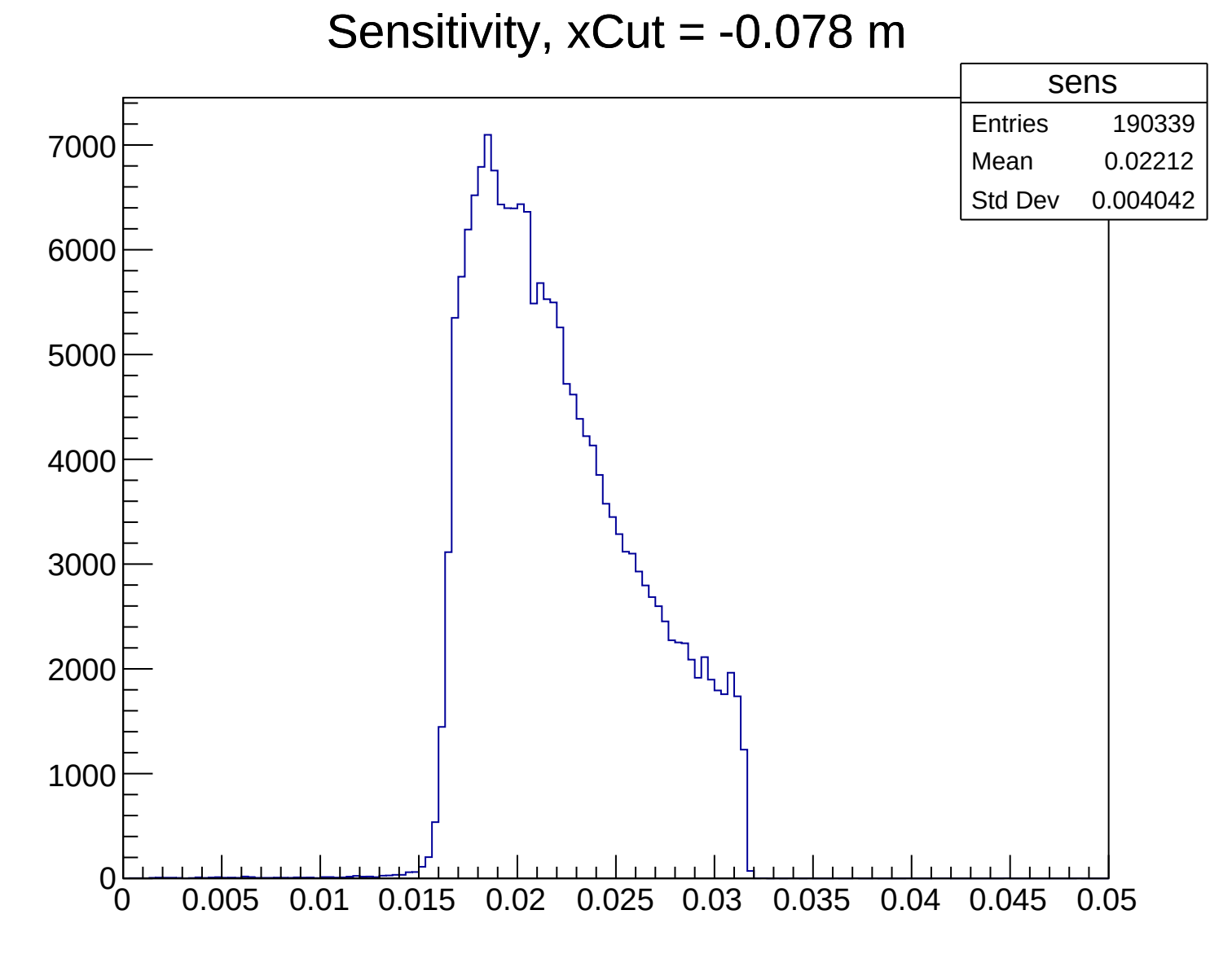

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

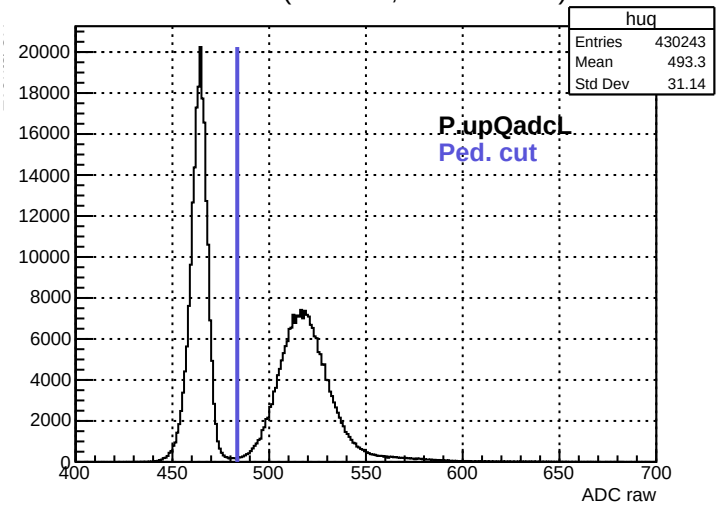

θlab (deg), xCut = -0.078 m
Theta
Entries 190339
Mean 4.775
Std Dev 0.4723
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

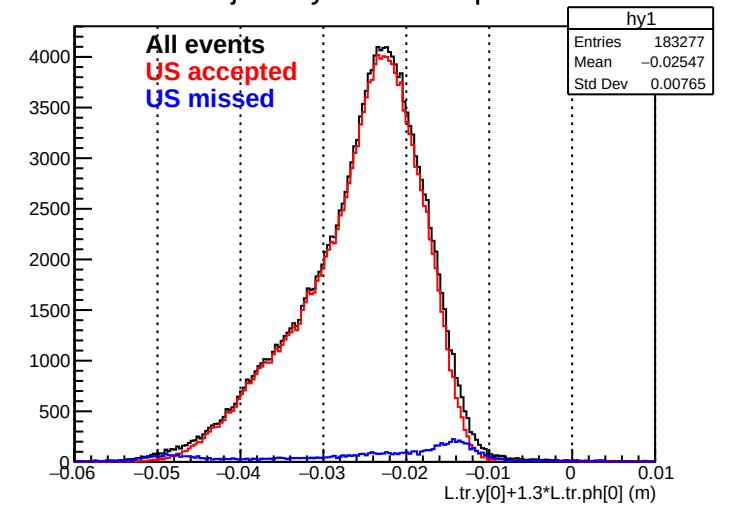

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 190339
Mean 0.568
Std Dev 0.08338
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

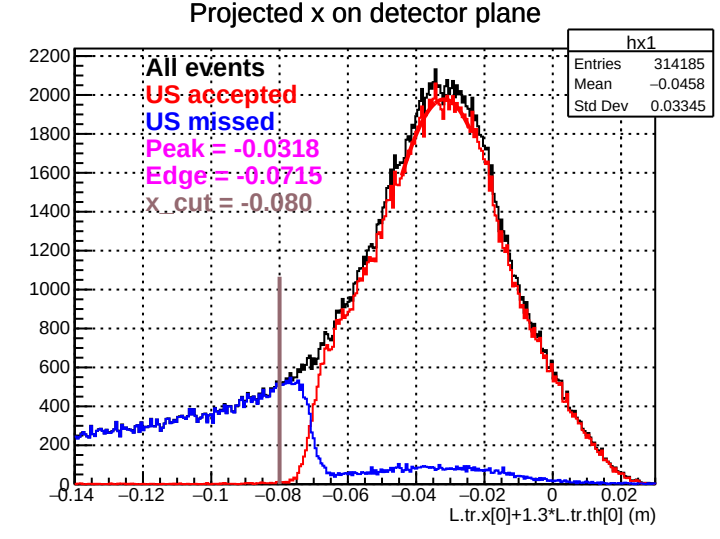

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 190339
Mean 0.5551
Std Dev 0.07951
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

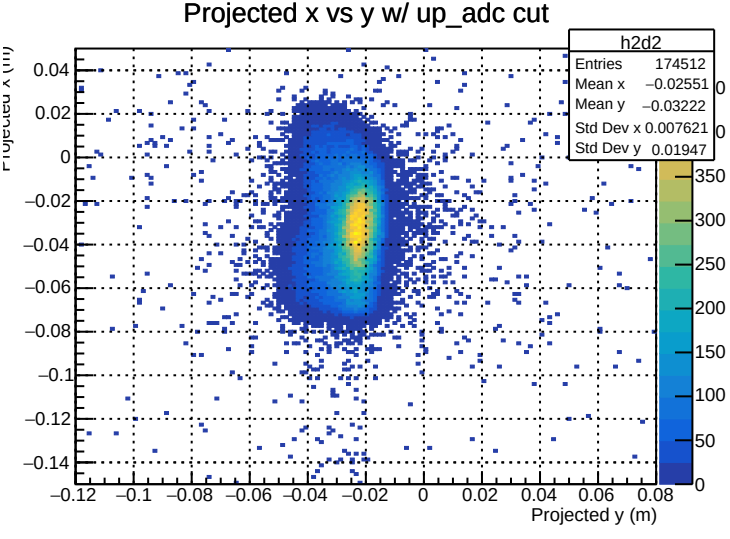

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 190339
Mean 0.006299
Std Dev 0.001274
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

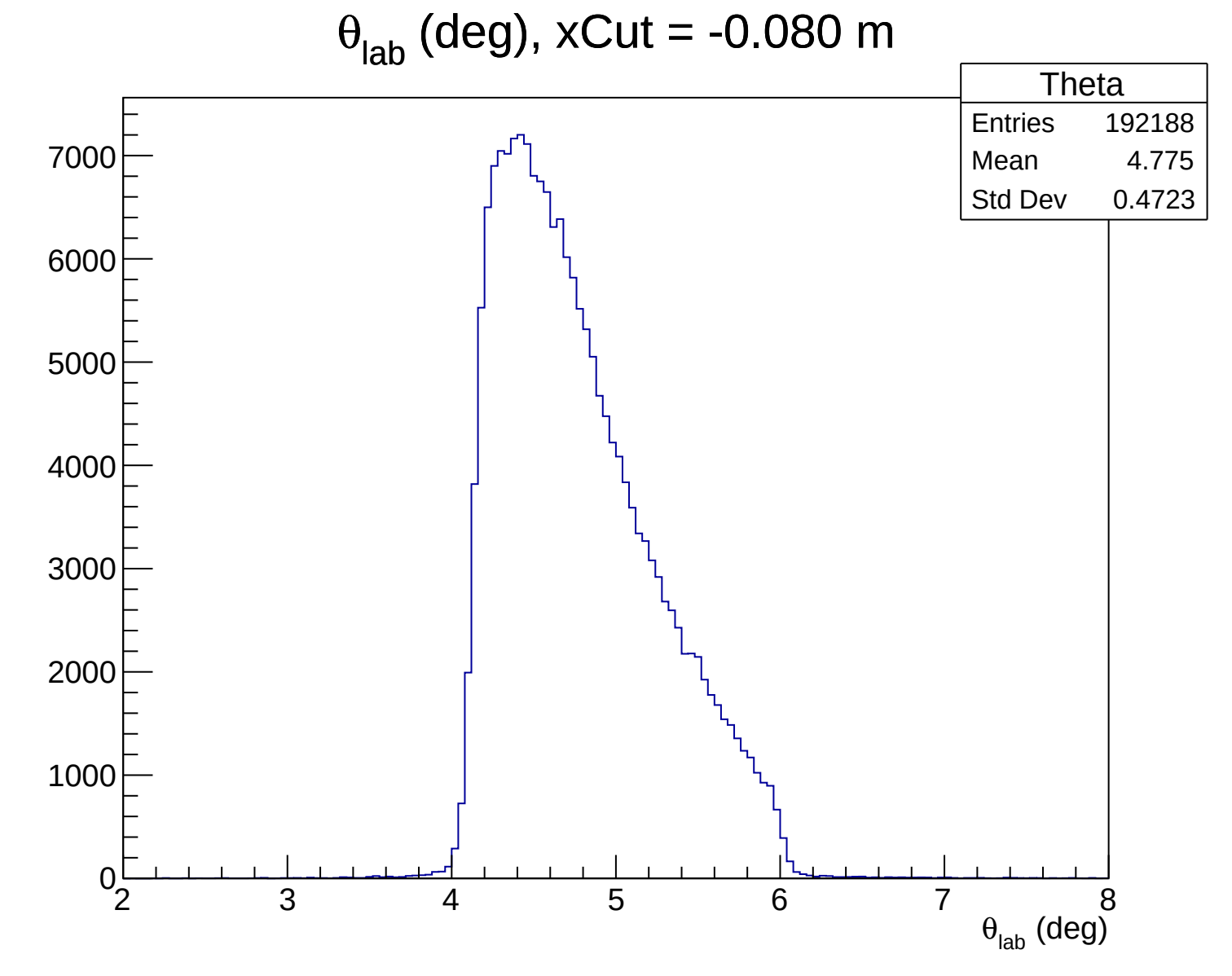

Sensitivity, xCut = -0.078 m
sens
Entries 190339
Mean 0.02212
Std Dev 0.004042
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

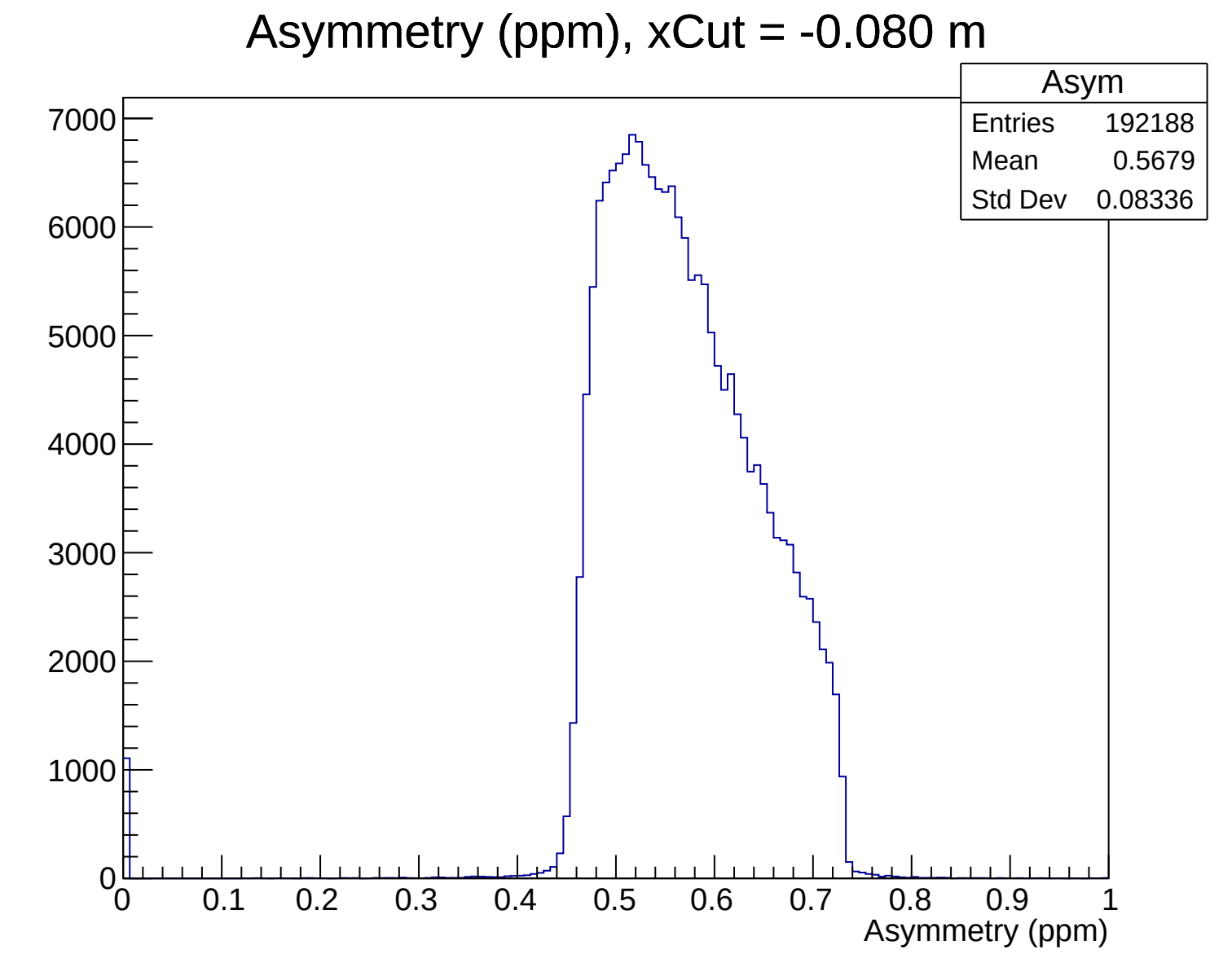

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

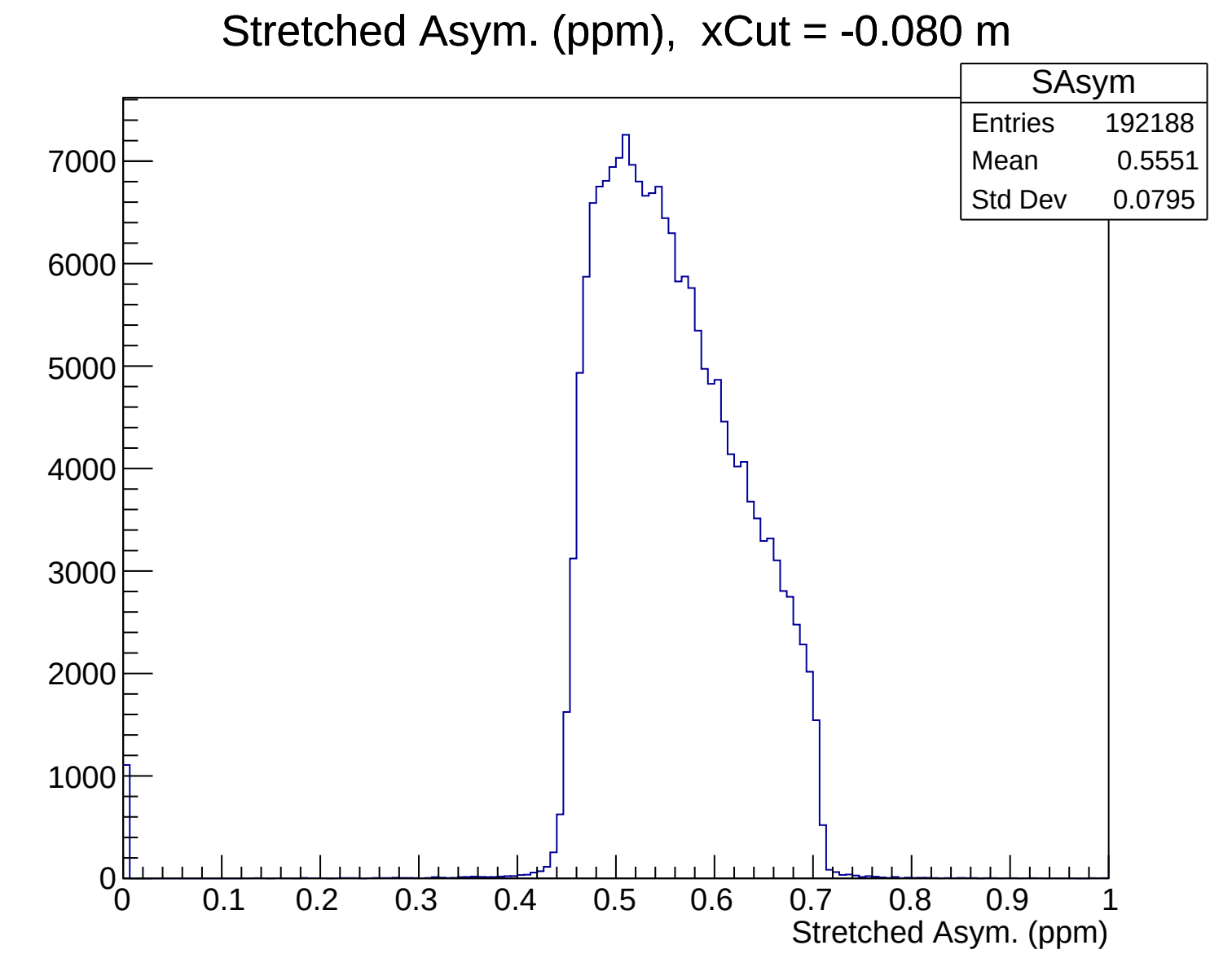

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

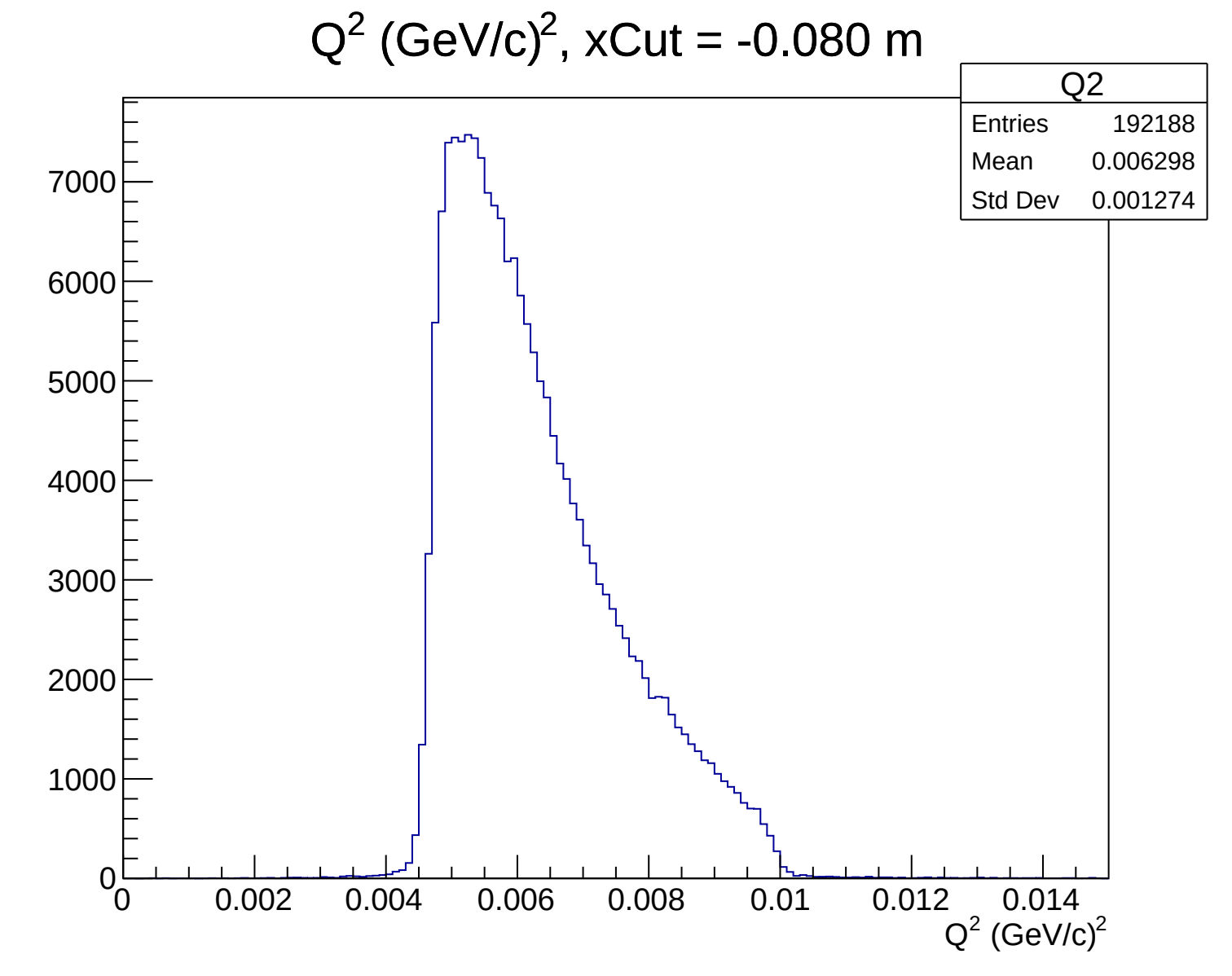

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

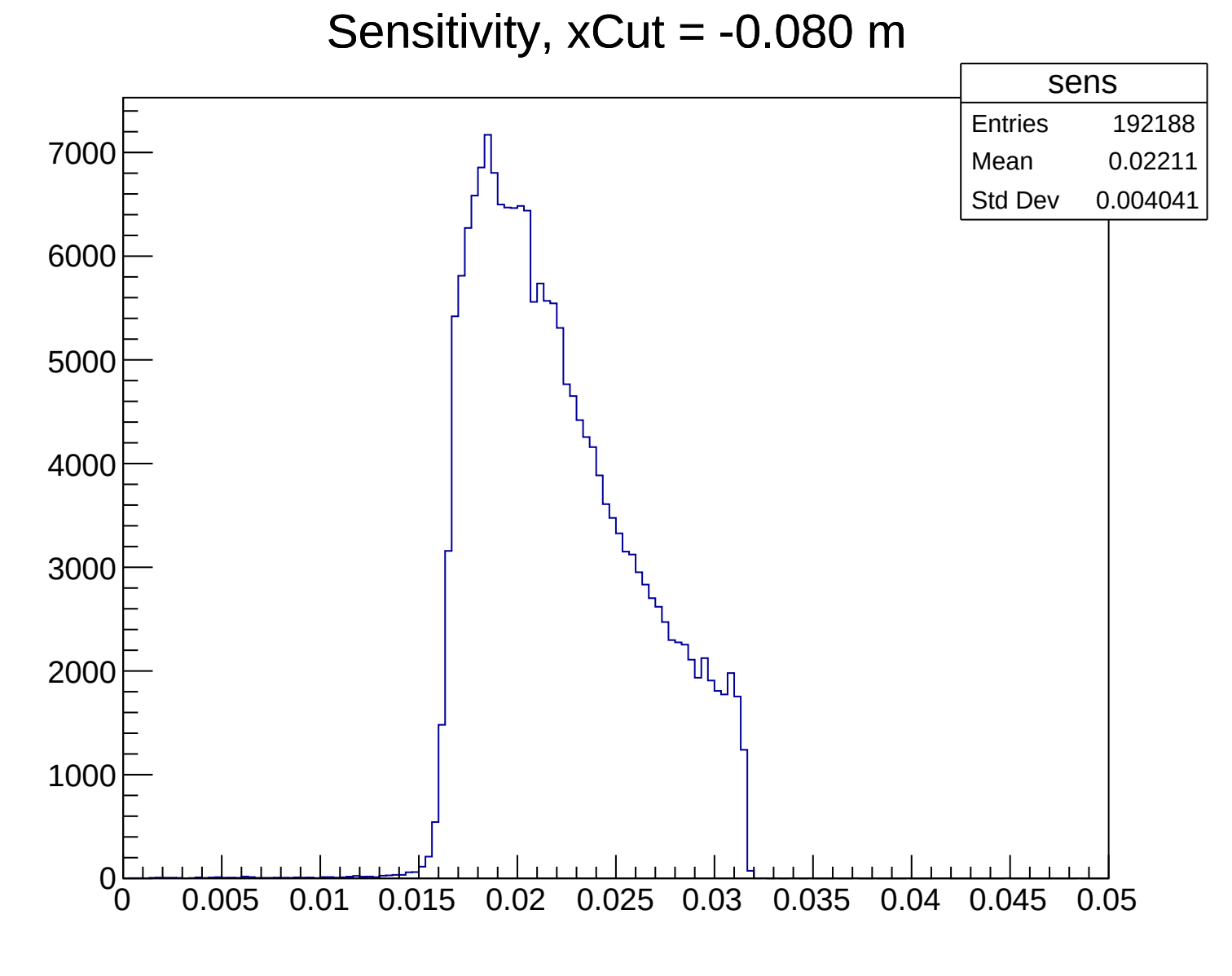

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

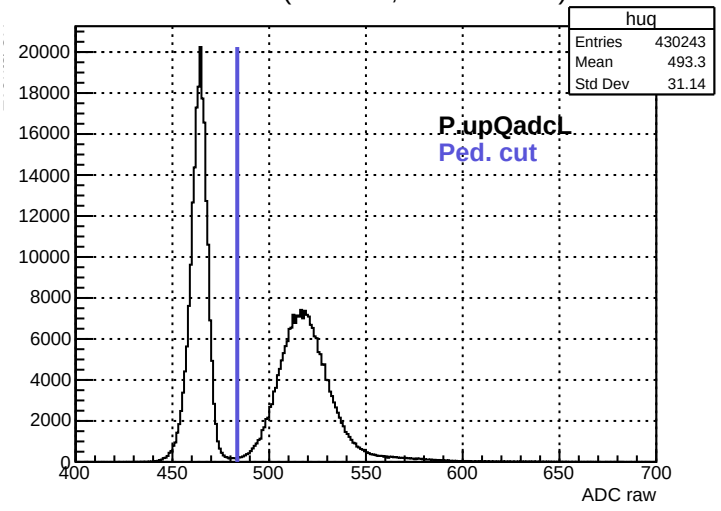

θlab (deg), xCut = -0.080 m
Theta
Entries 192188
Mean 4.775
Std Dev 0.4723
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

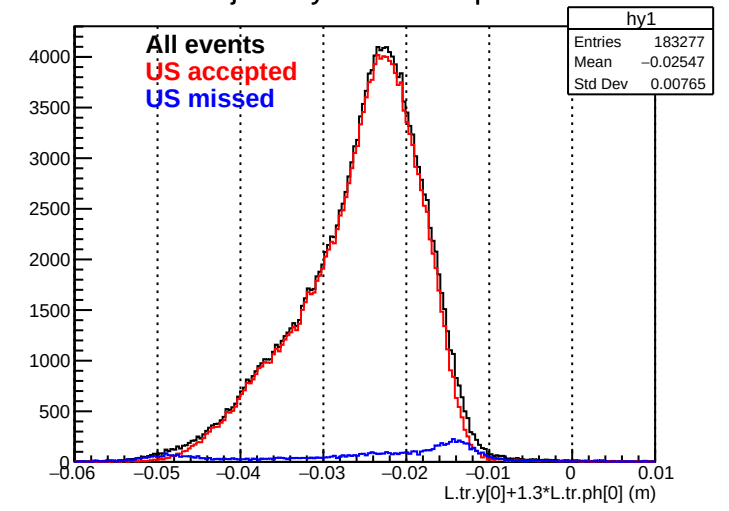

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 192188
Mean 0.5679
Std Dev 0.08336
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

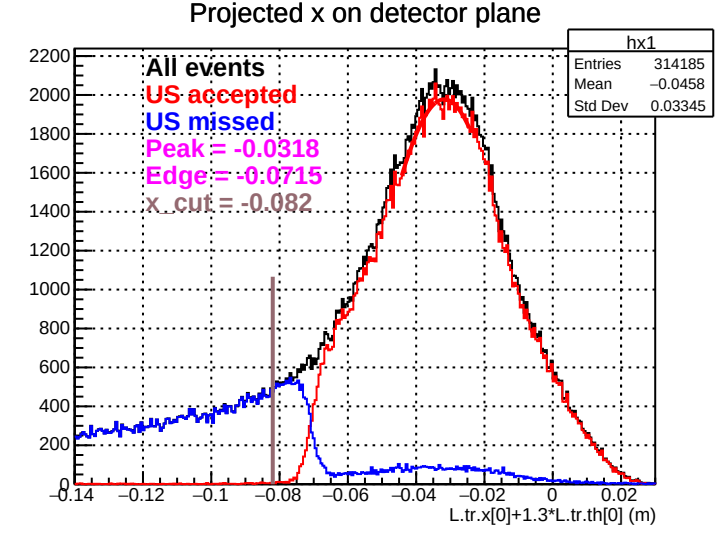

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 192188
Mean 0.5551
Std Dev 0.0795
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

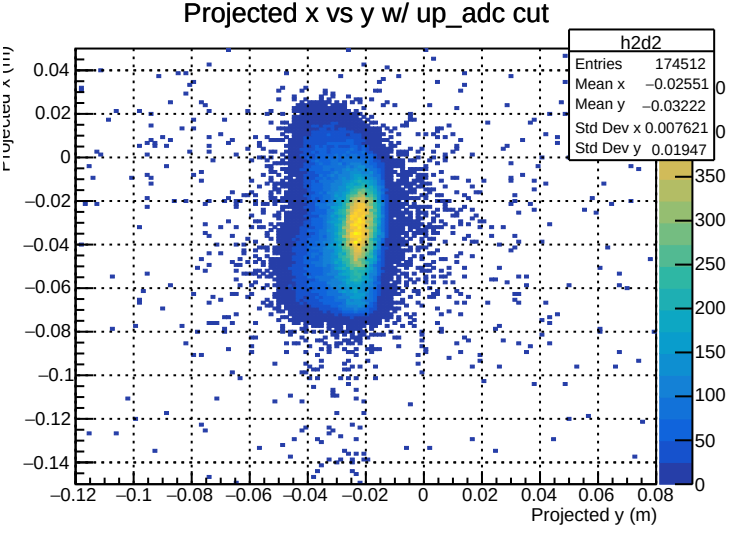

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 192188
Mean 0.006298
Std Dev 0.001274
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

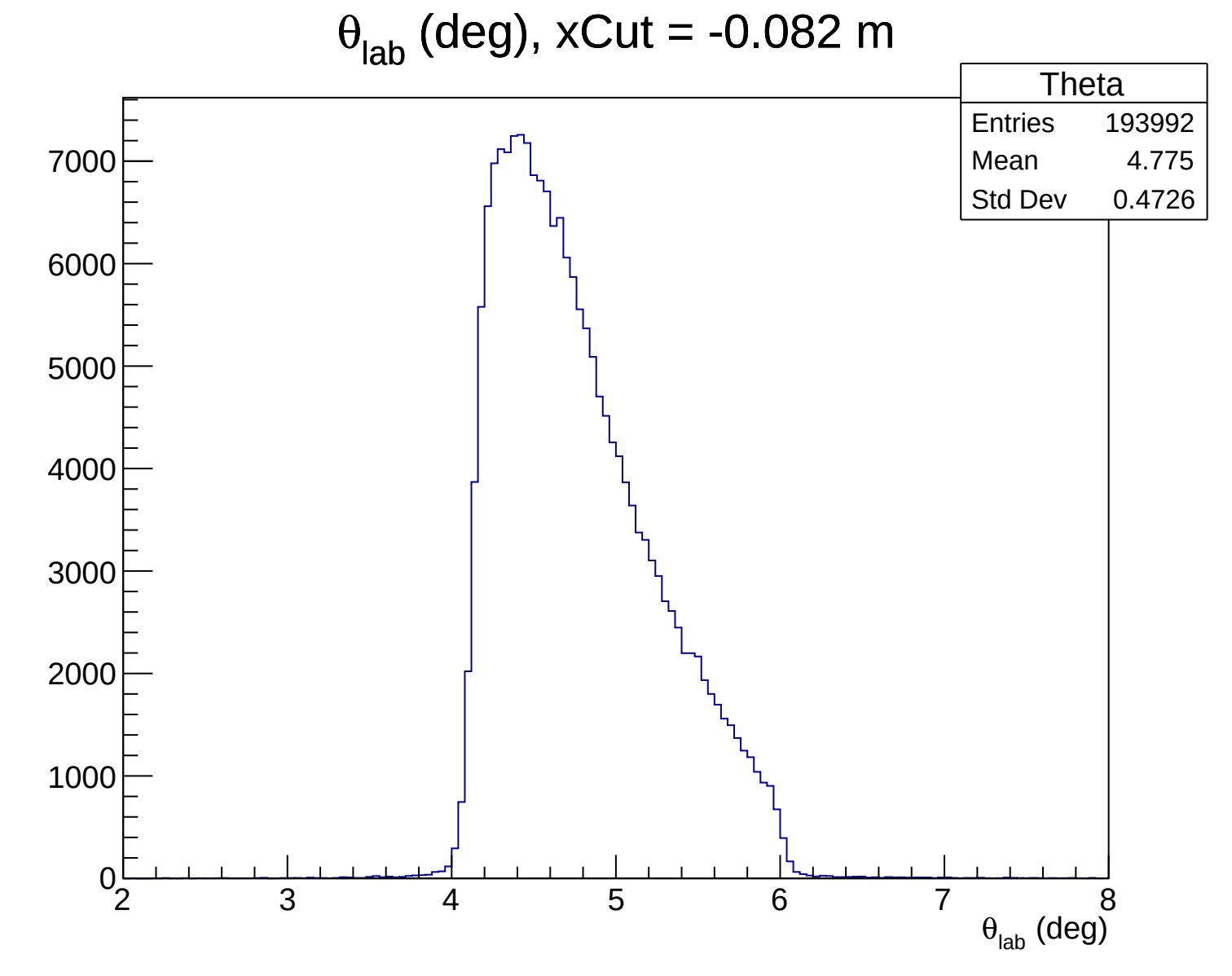

Sensitivity, xCut = -0.080 m
sens
Entries 192188
Mean 0.02211
Std Dev 0.004041
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

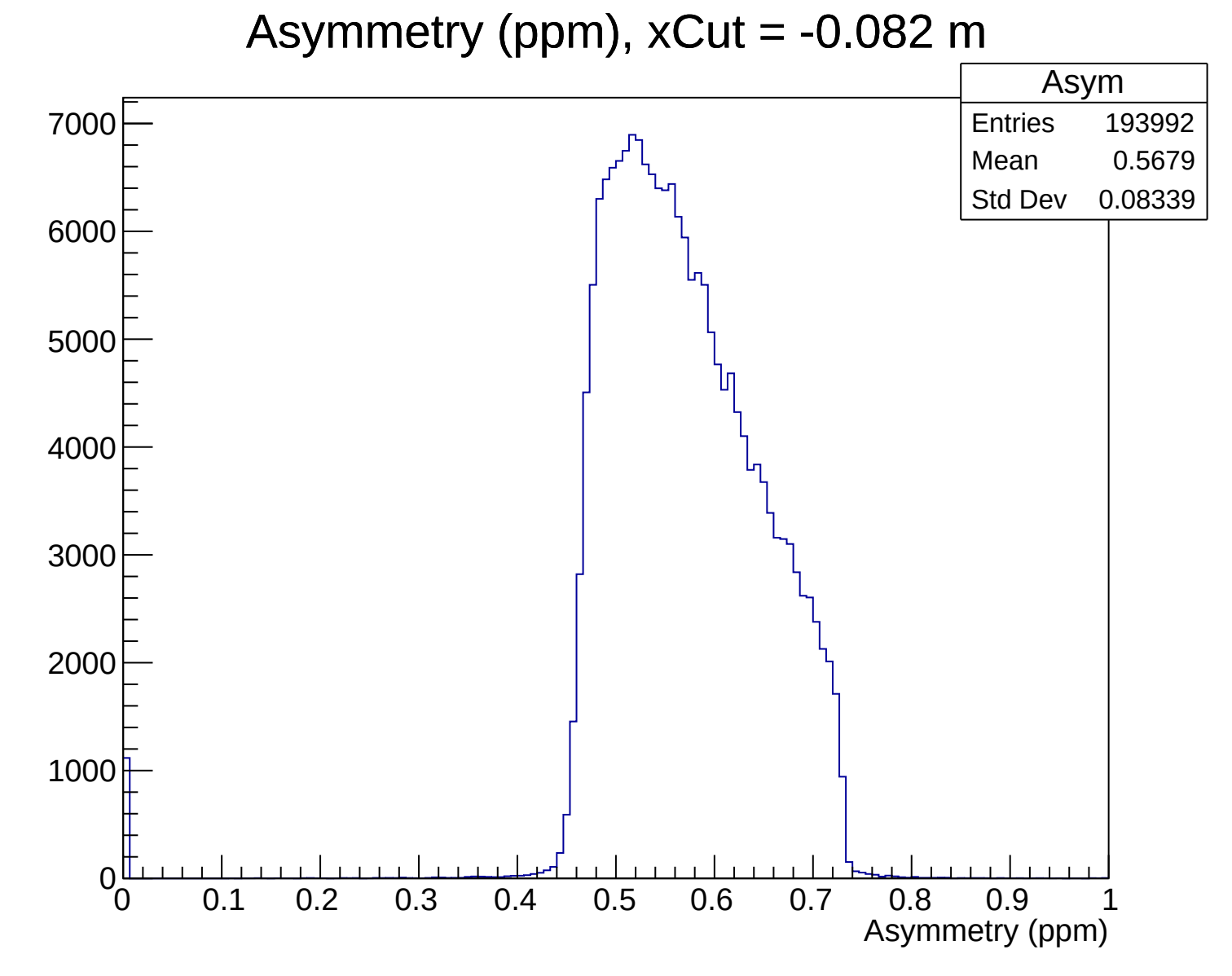

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

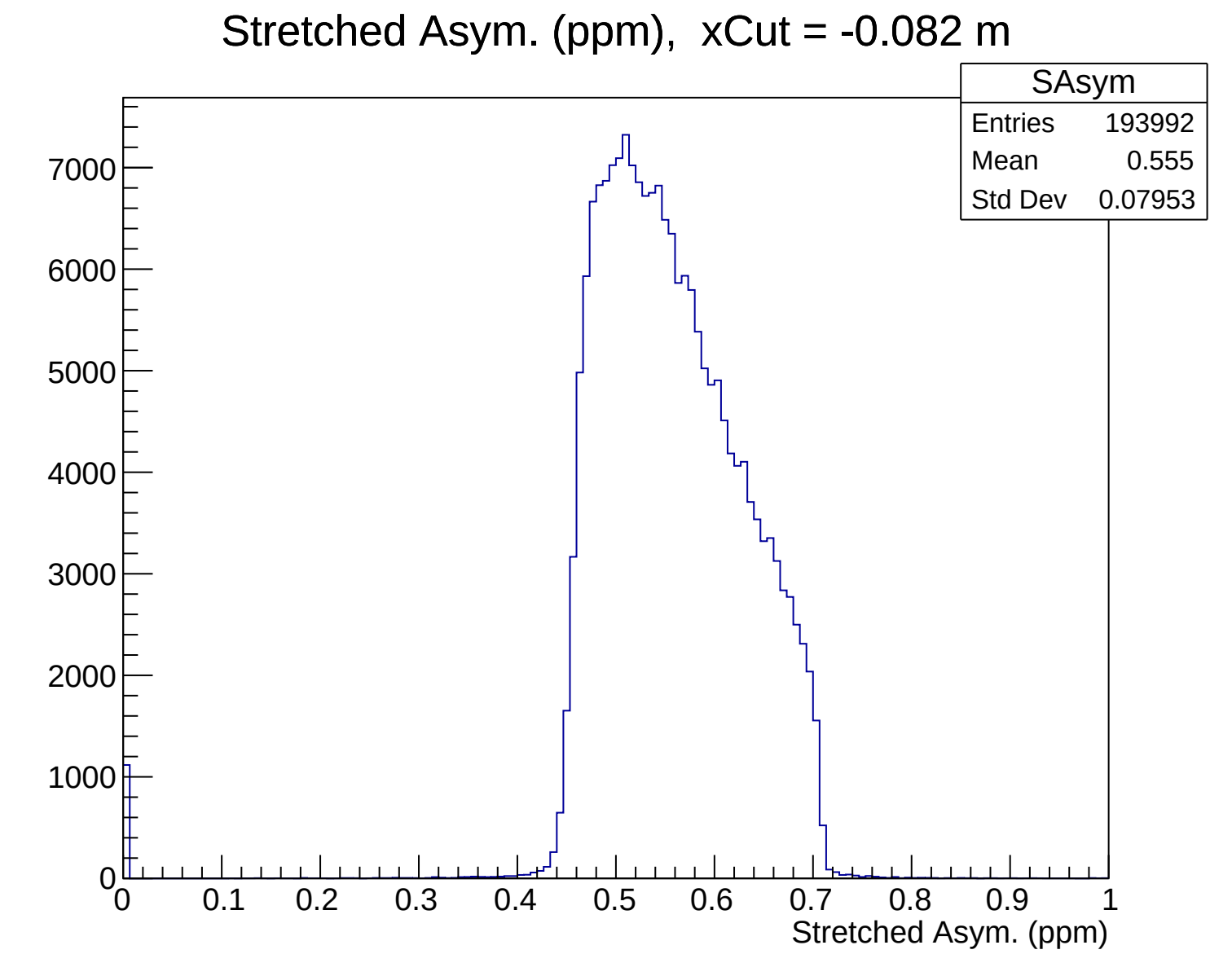

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

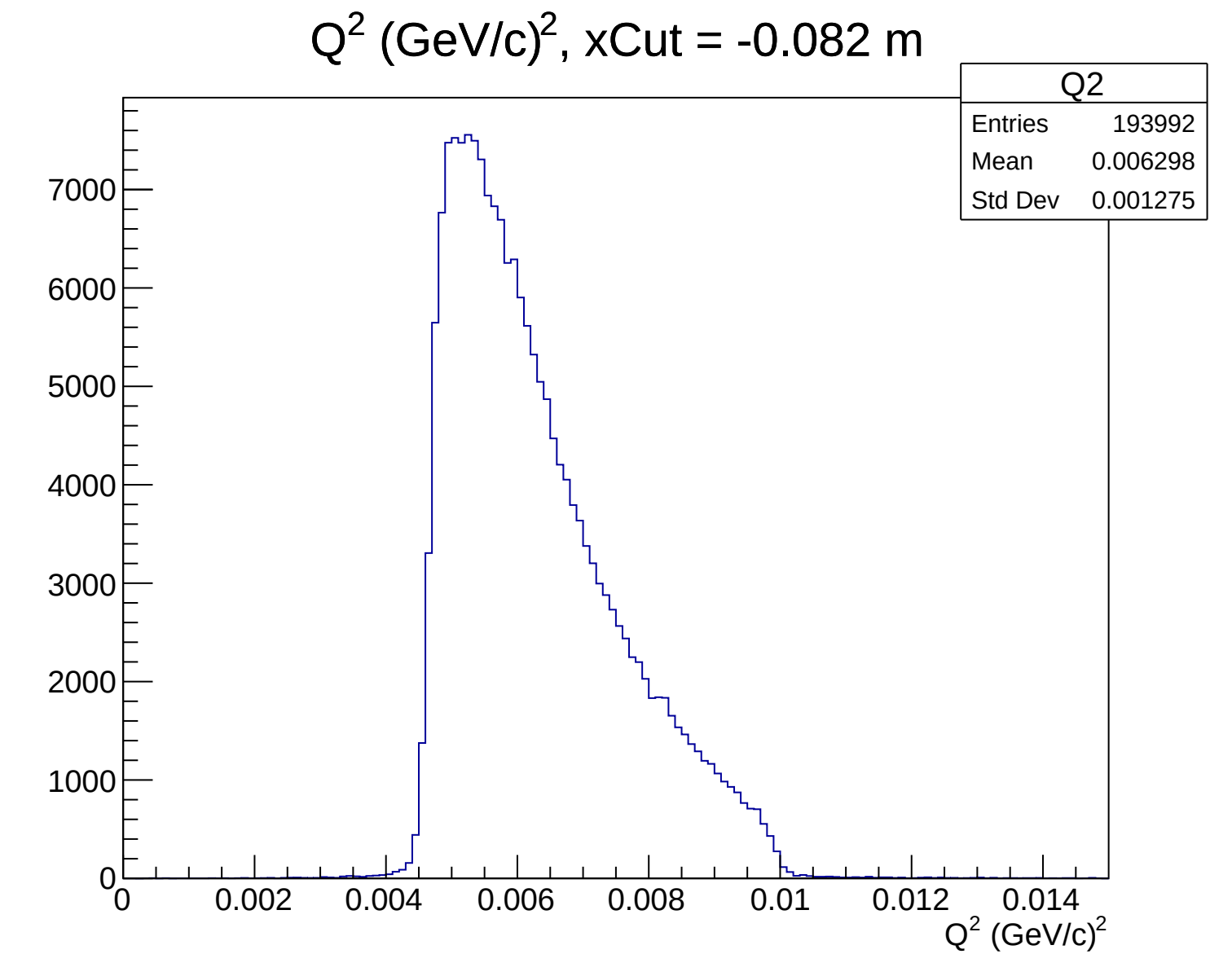

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.082
L.tr.x[0]+1.3*L.tr.th[0] (m)

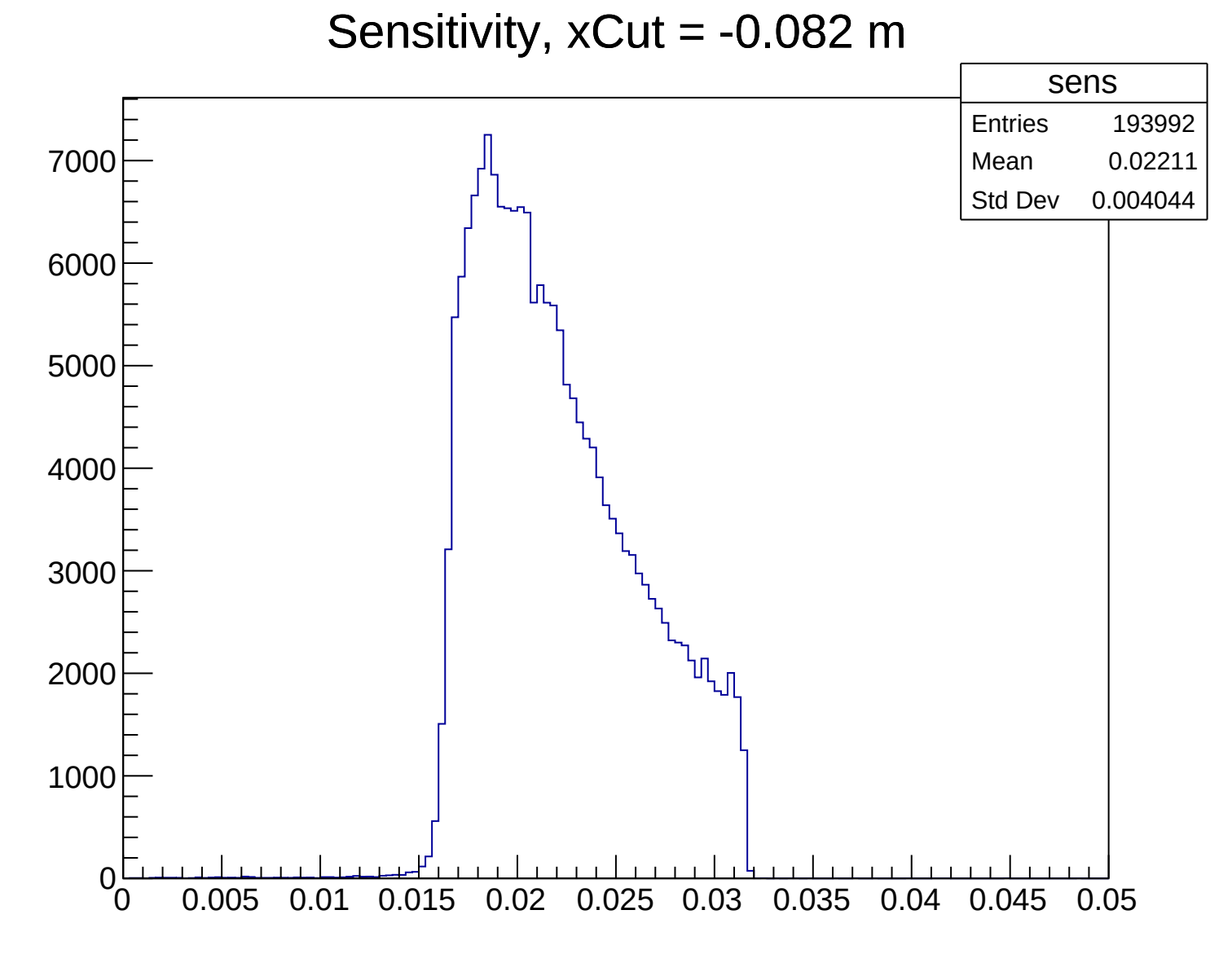

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

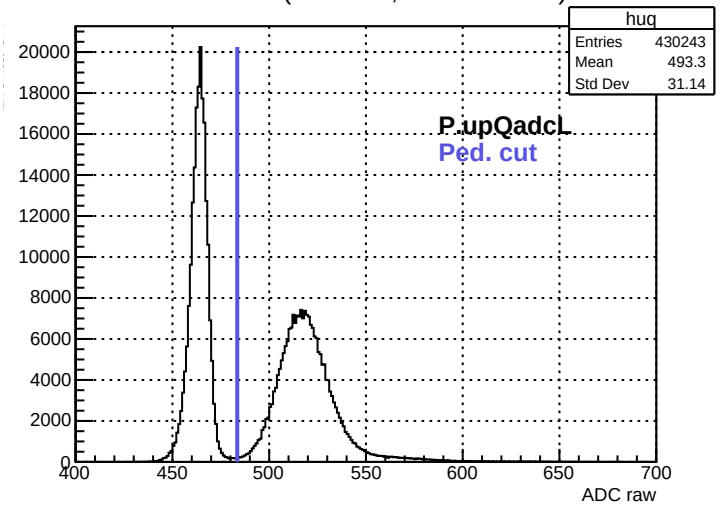

θlab (deg), xCut = -0.082 m
Theta
Entries 193992
Mean 4.775
Std Dev 0.4726
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

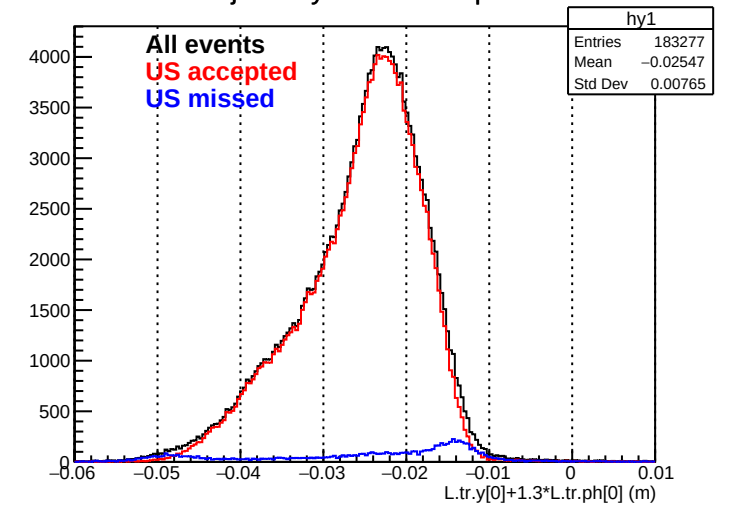

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 193992
Mean 0.5679
Std Dev 0.08339
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

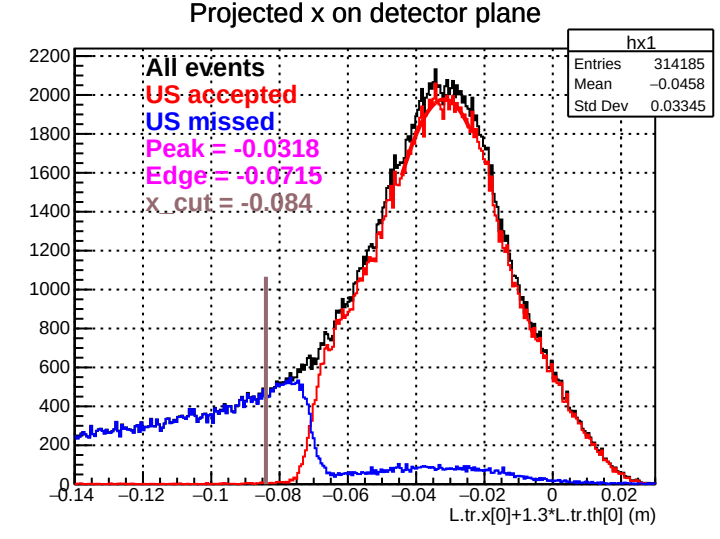

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 193992
Mean 0.555
Std Dev 0.07953
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

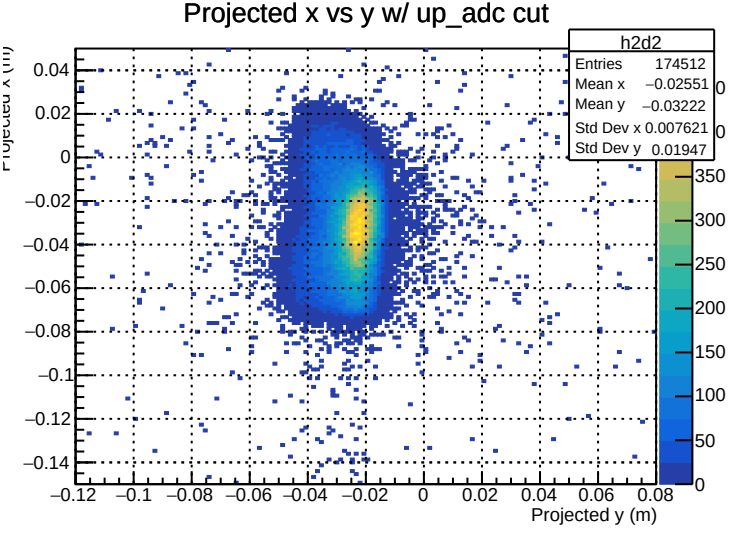

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 193992
Mean 0.006298
Std Dev 0.001275
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

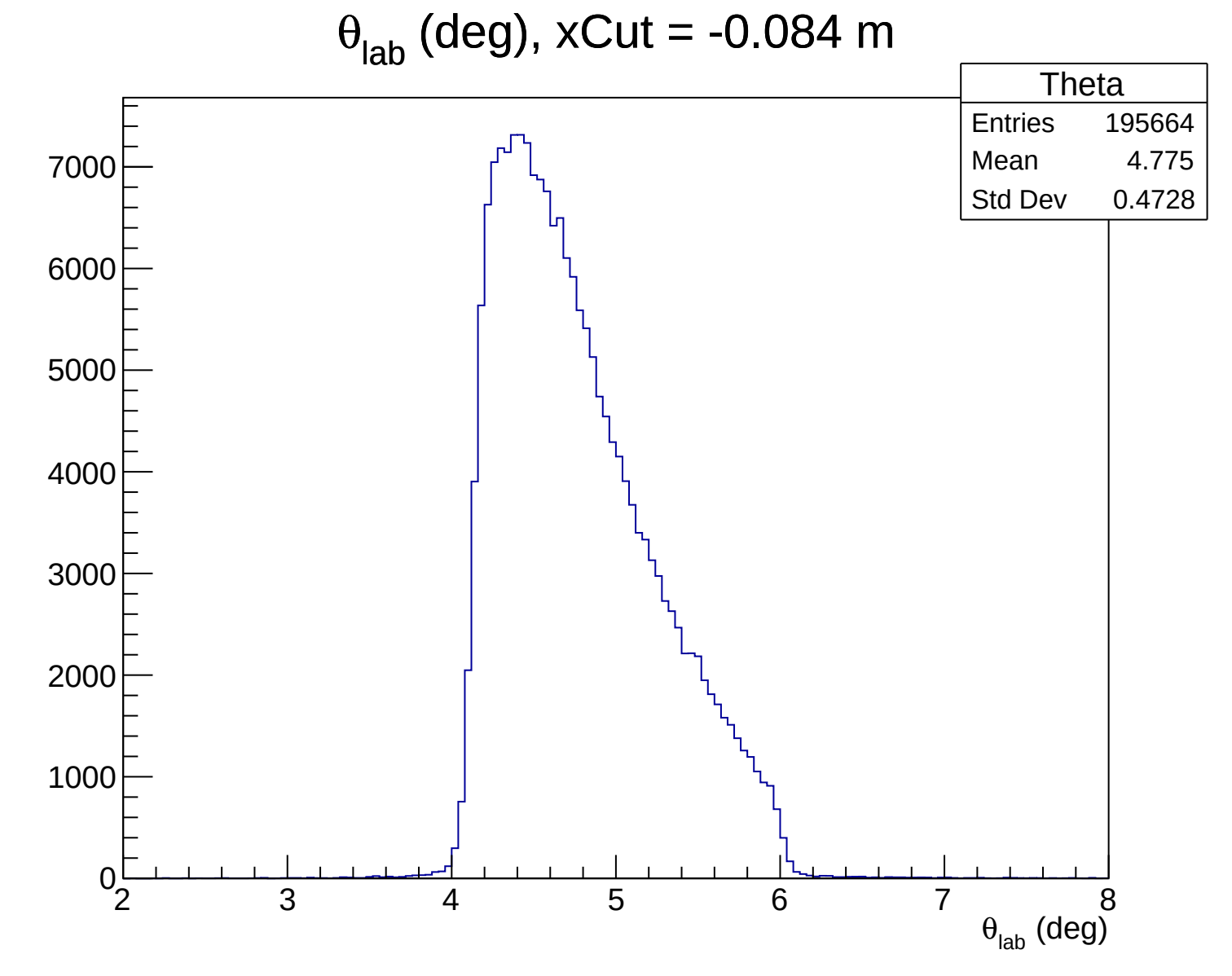

Sensitivity, xCut = -0.082 m
sens
Entries 193992
Mean 0.02211
Std Dev 0.004044
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

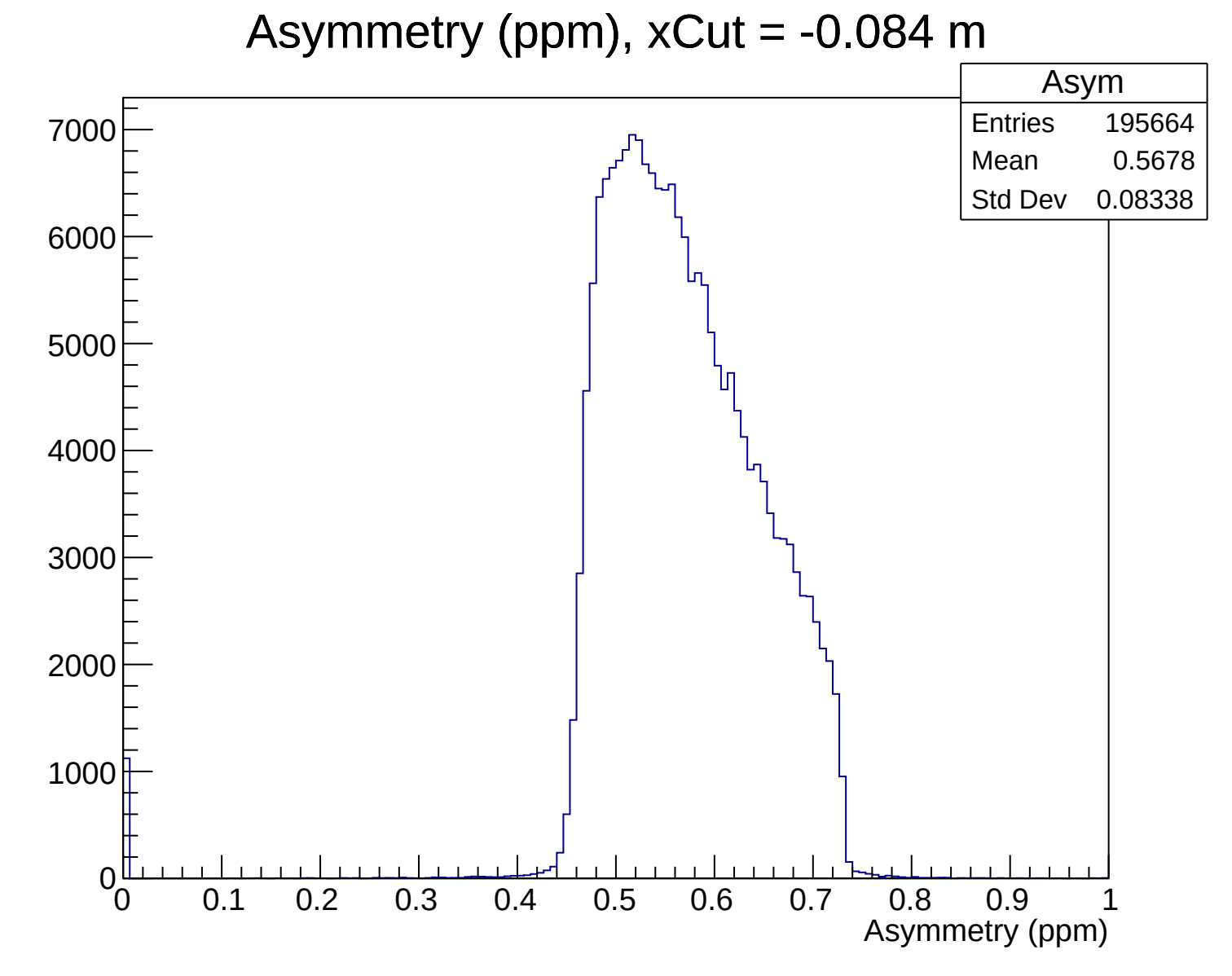

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

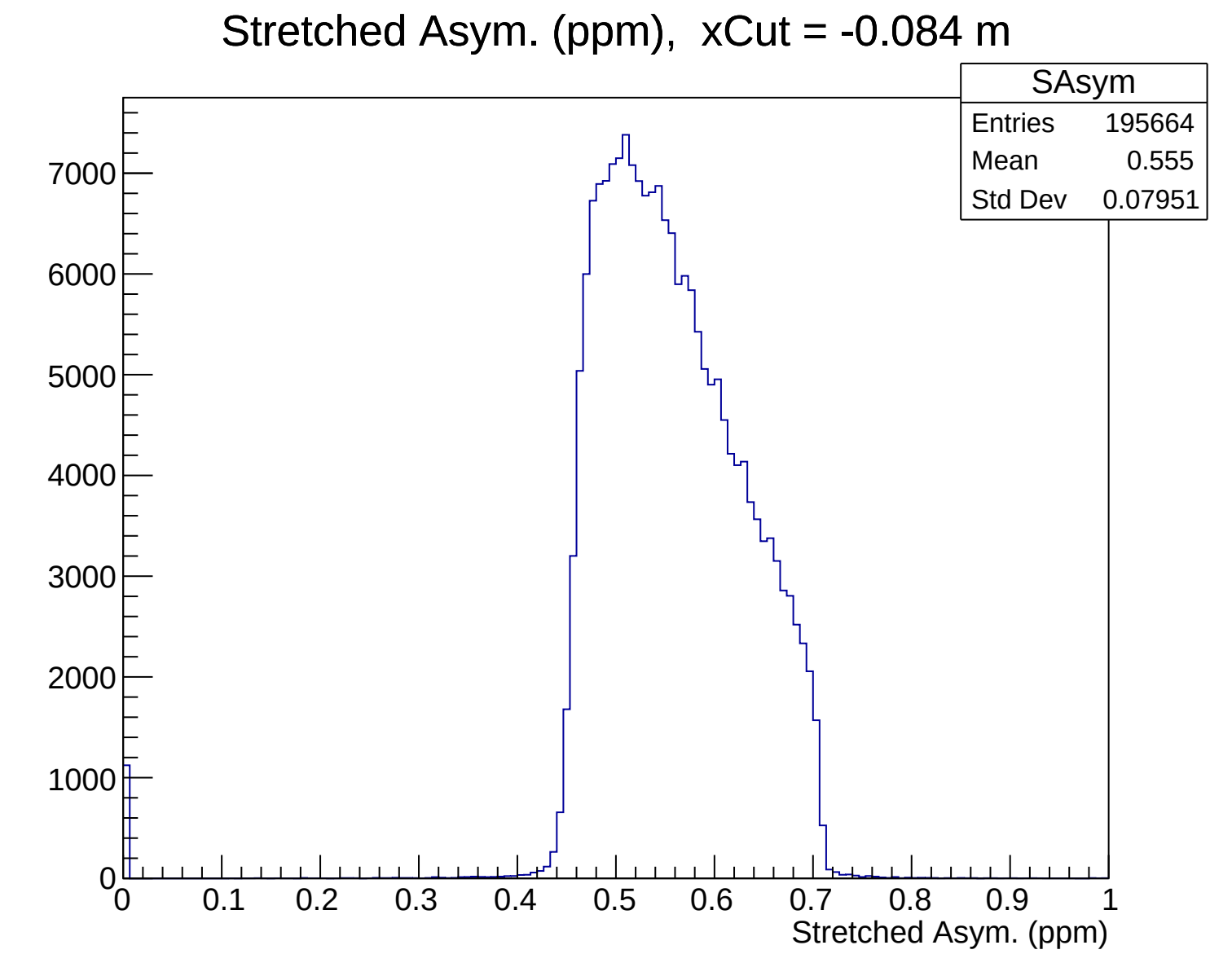

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

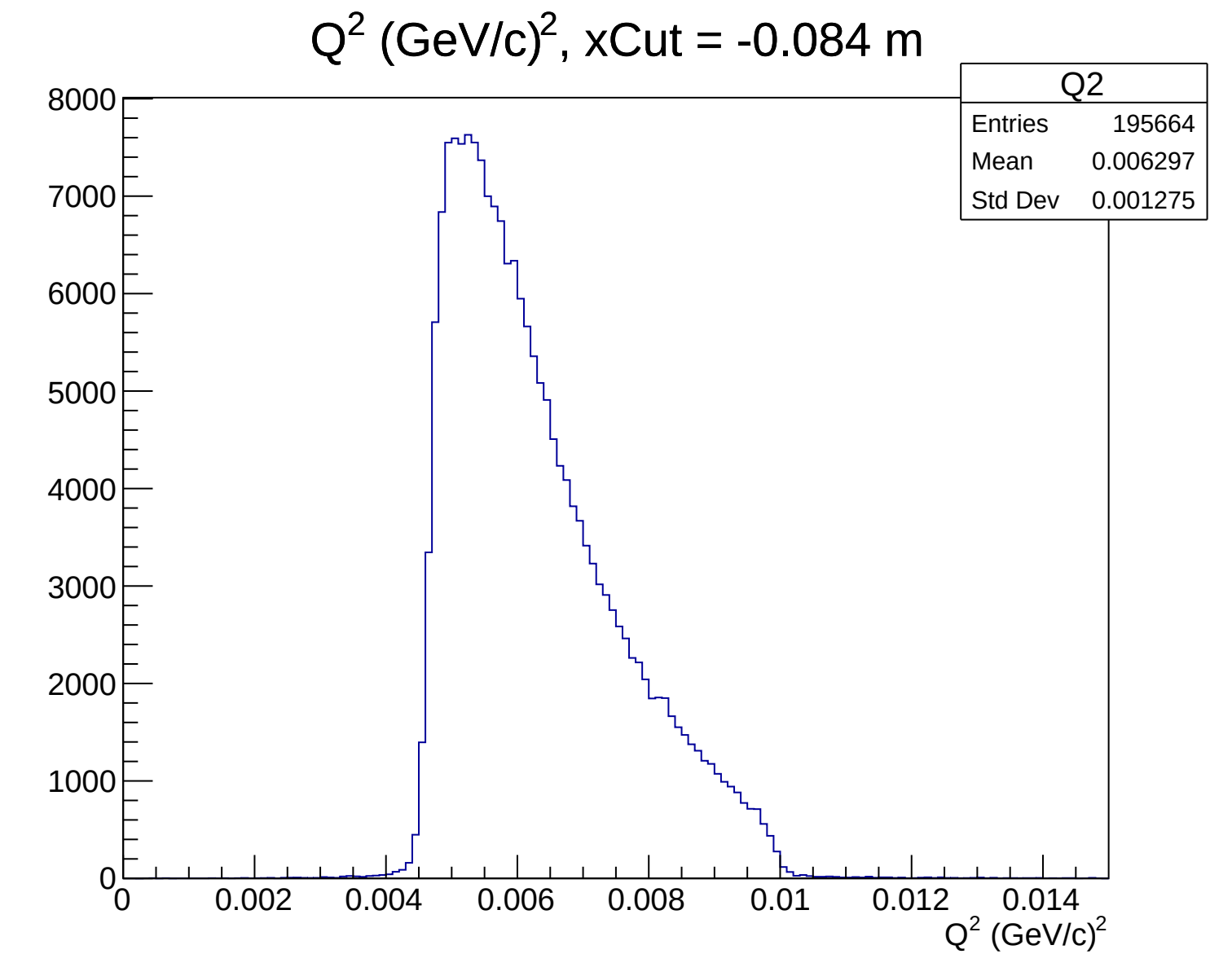

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

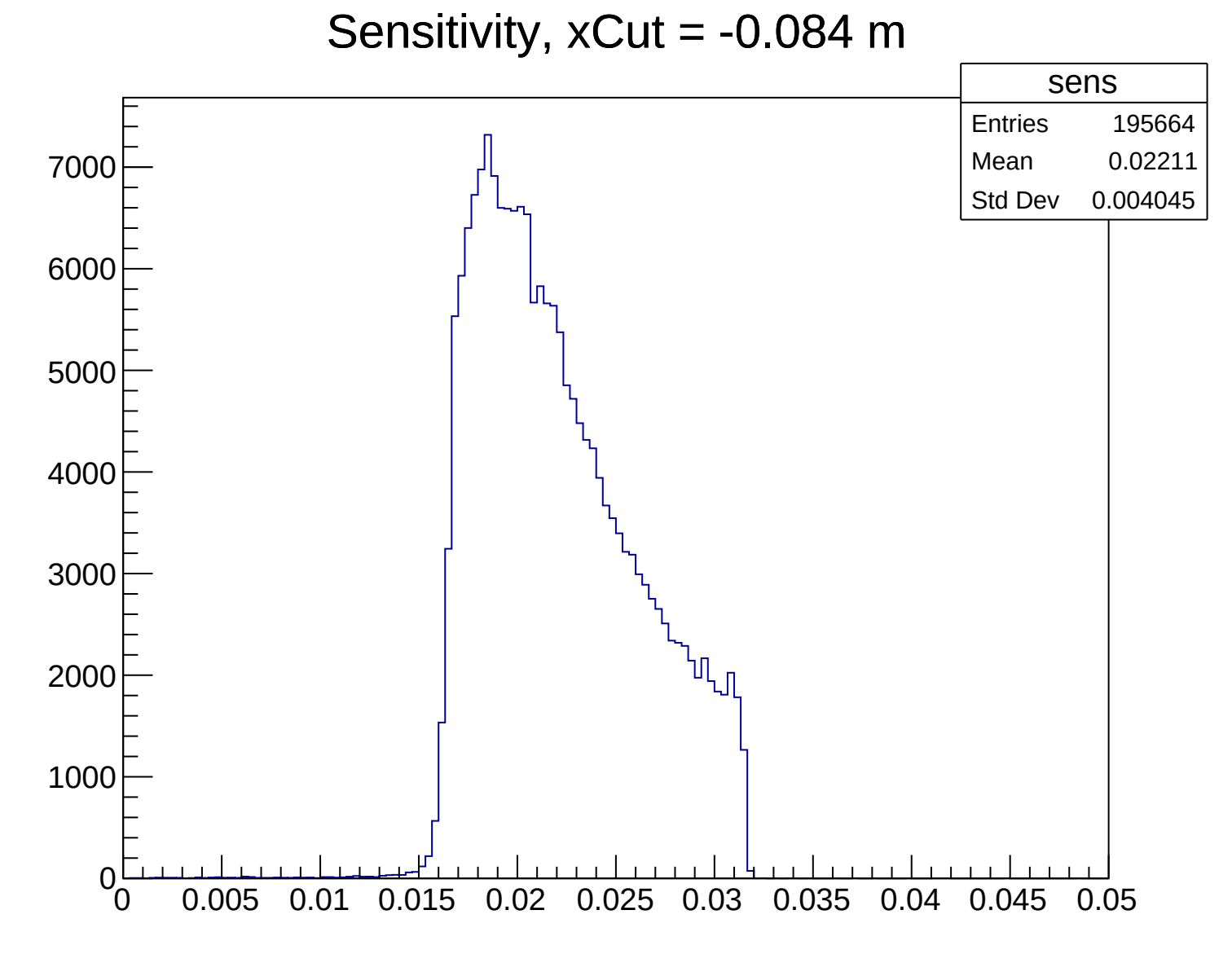

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

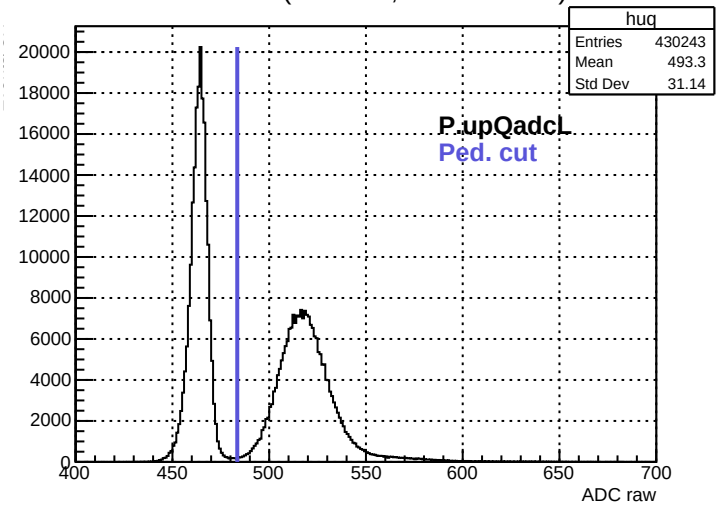

θlab (deg), xCut = -0.084 m
Theta
Entries 195664
Mean 4.775
Std Dev 0.4728
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

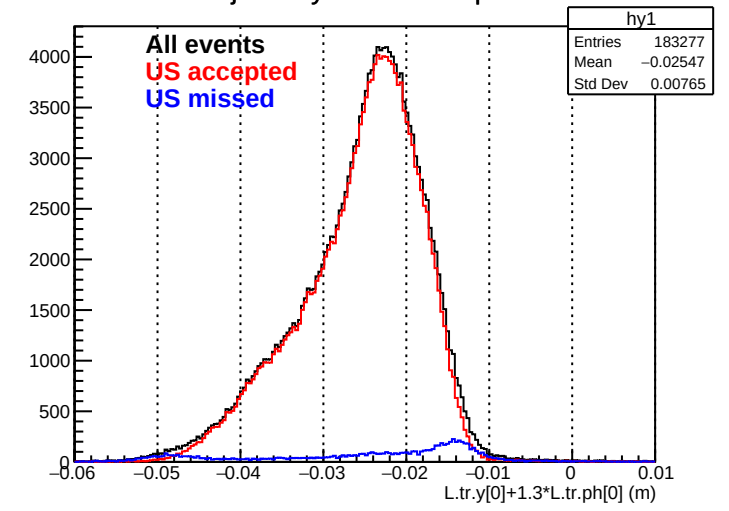

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 195664
Mean 0.5678
Std Dev 0.08338
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

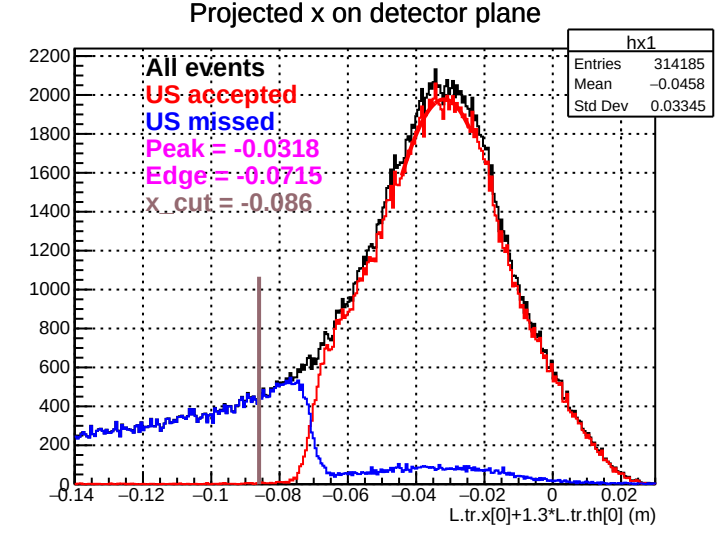

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 195664
Mean 0.555
Std Dev 0.07951
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

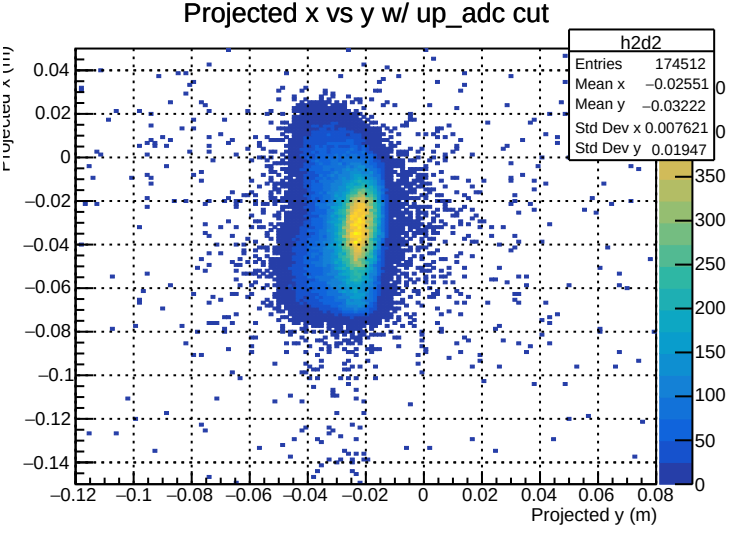

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 195664
Mean 0.006297
Std Dev 0.001275
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

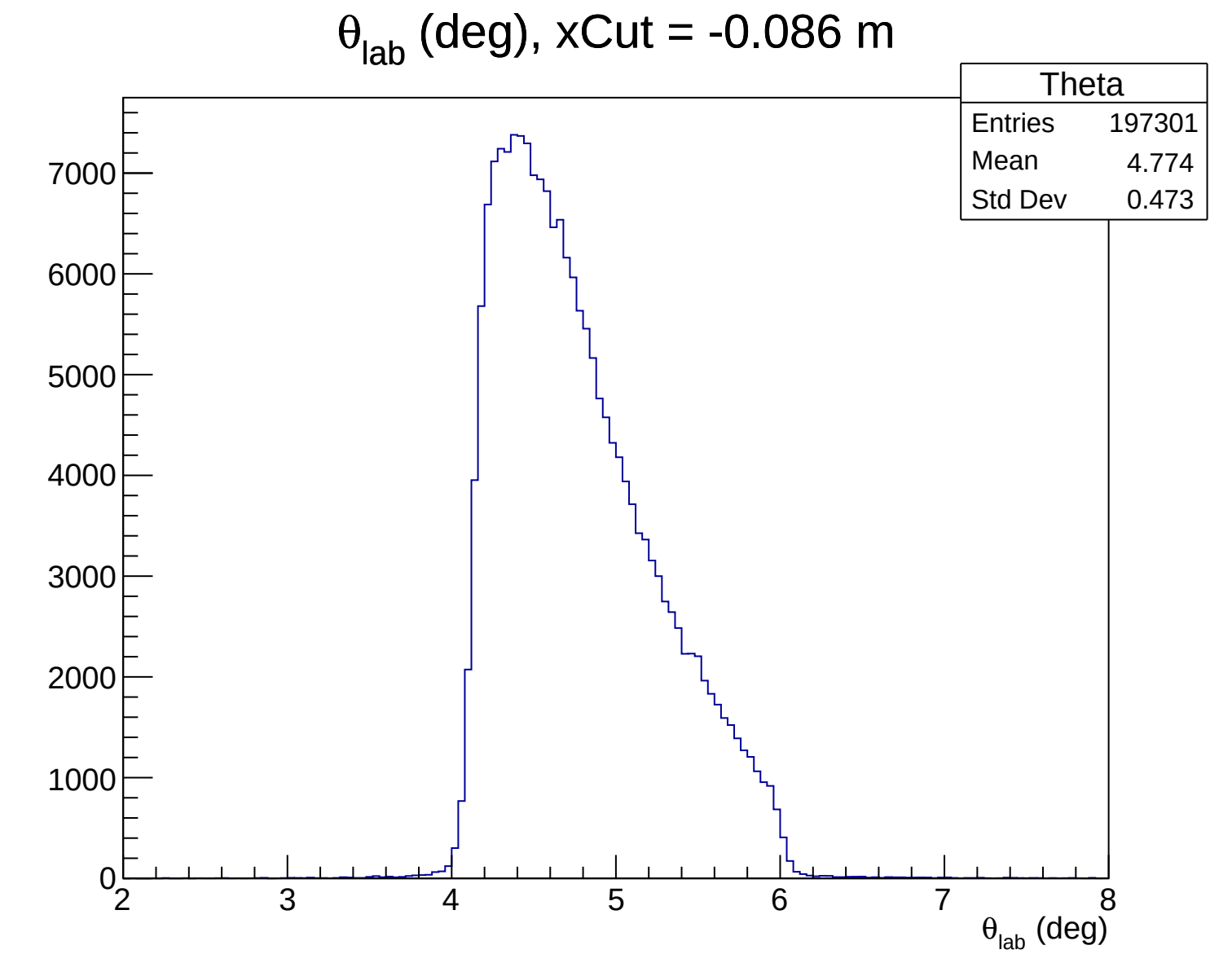

Sensitivity, xCut = -0.084 m
sens
Entries 195664
Mean 0.02211
Std Dev 0.004045
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

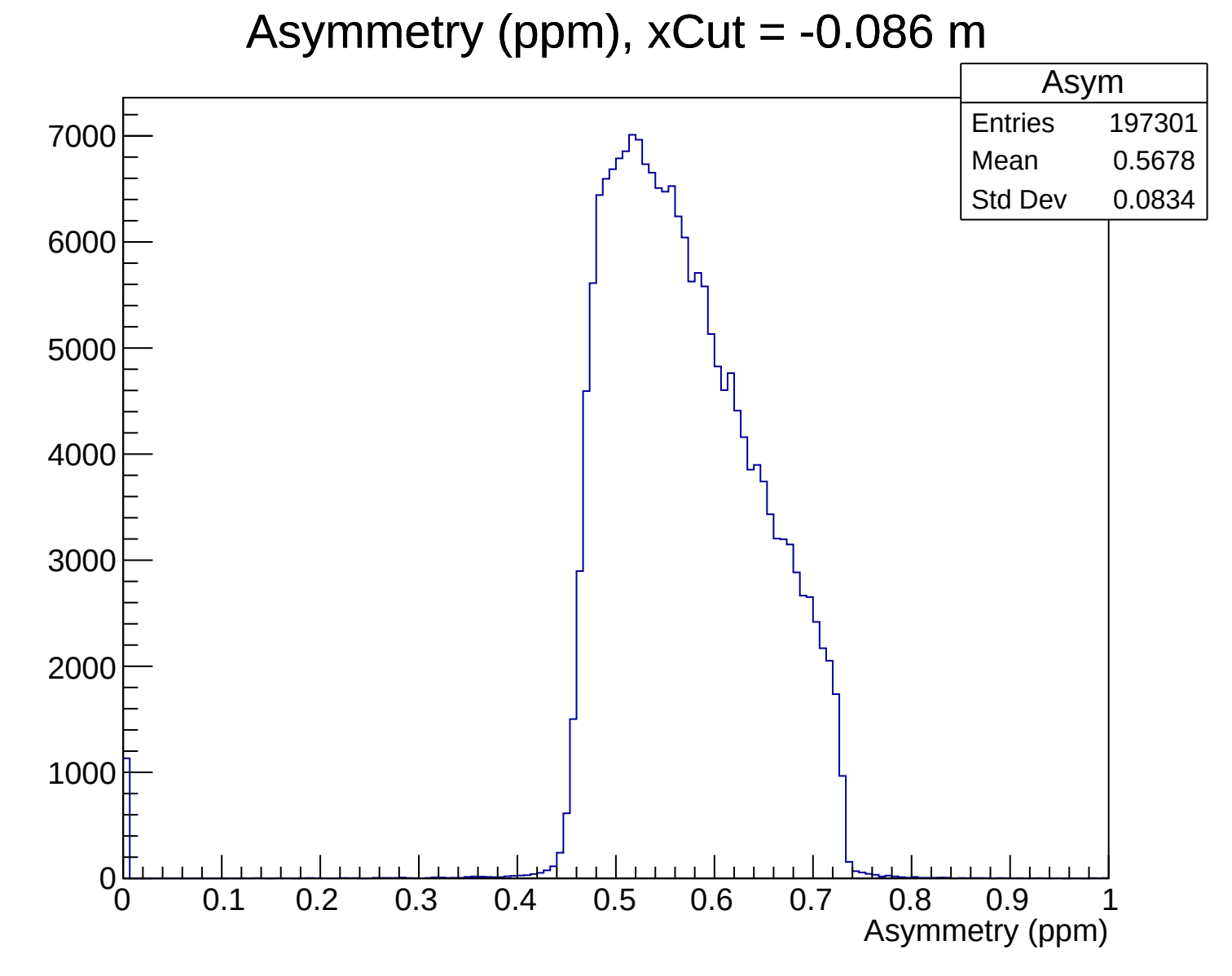

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

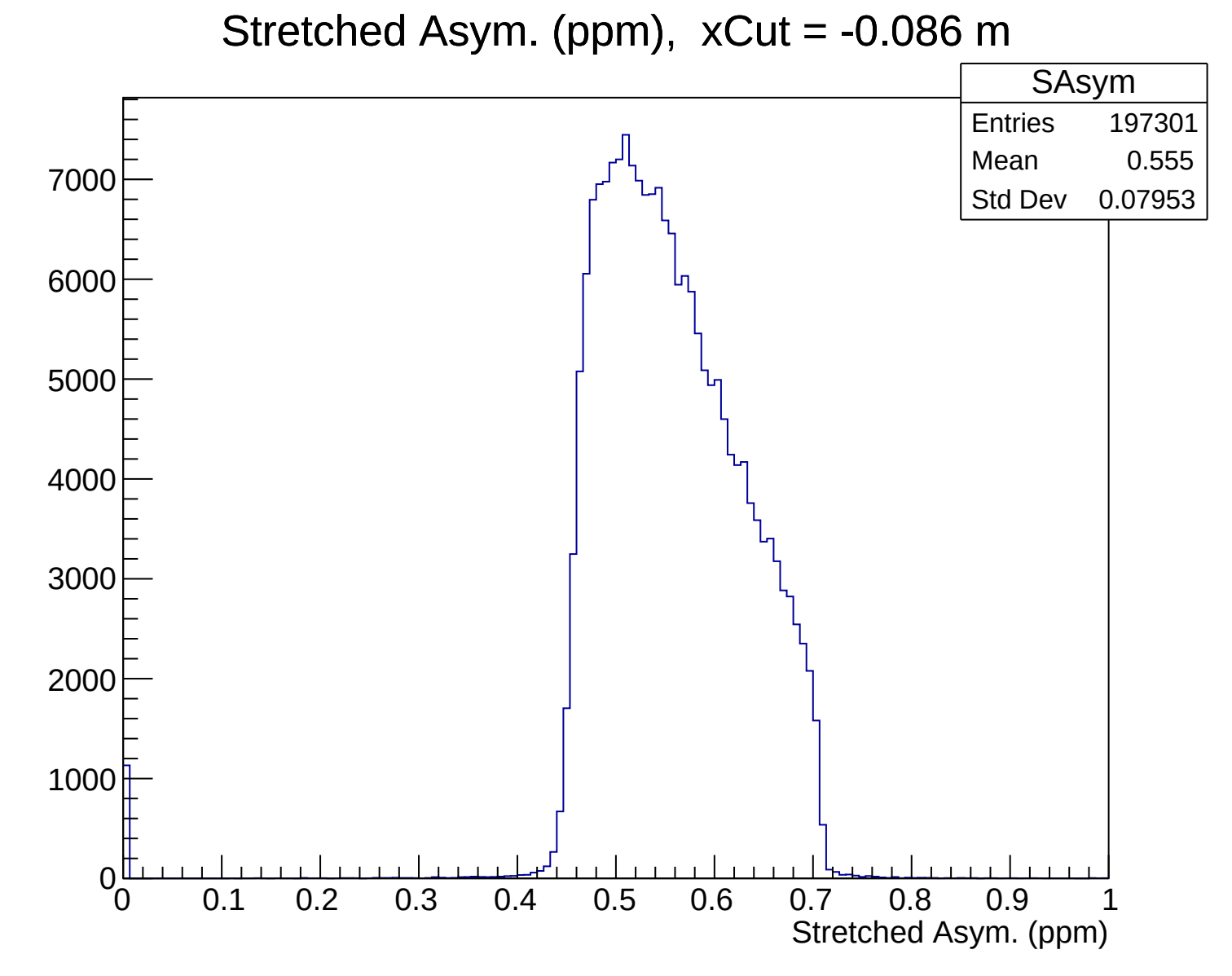

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

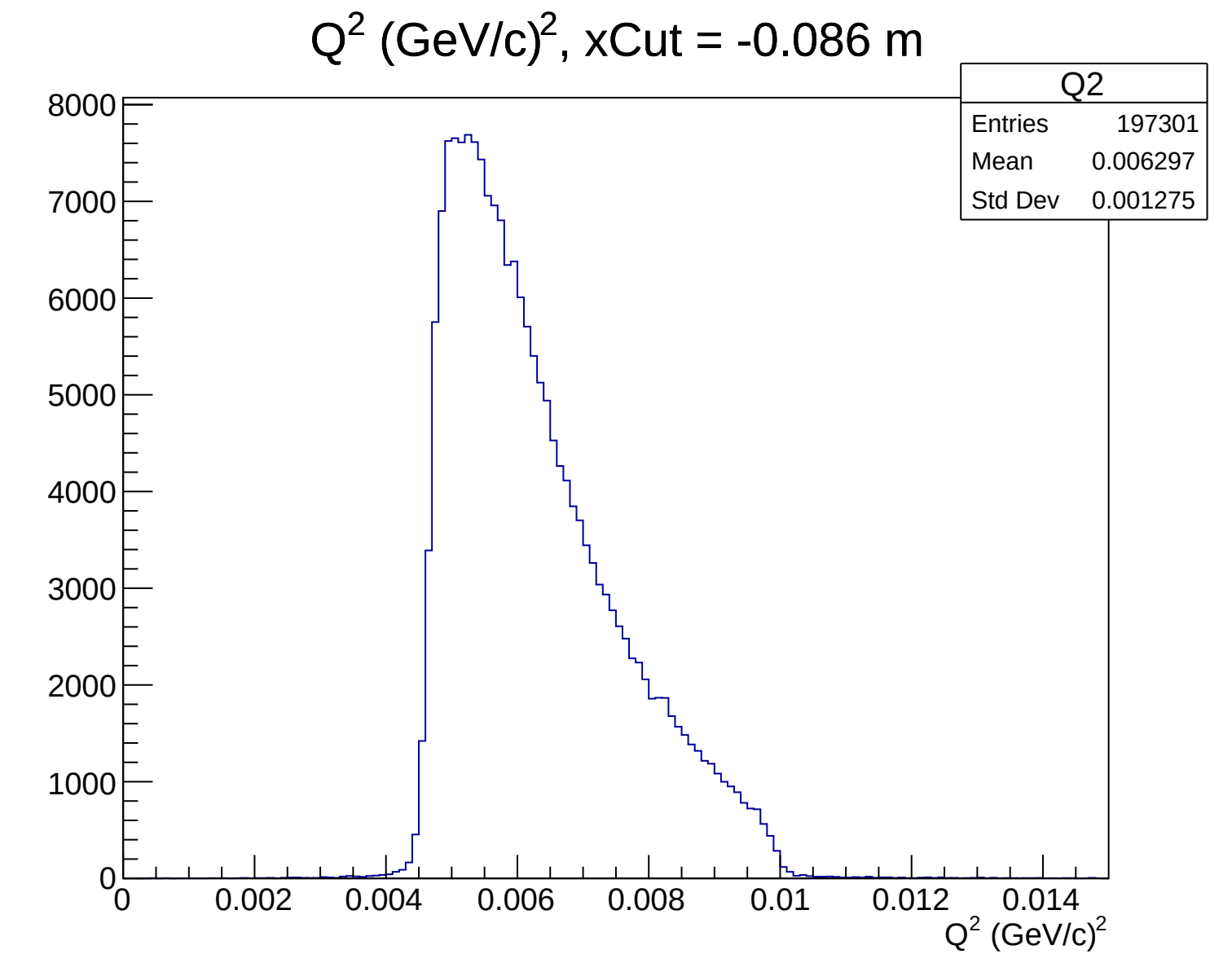

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.086
L.tr.x[0]+1.3*L.tr.th[0] (m)

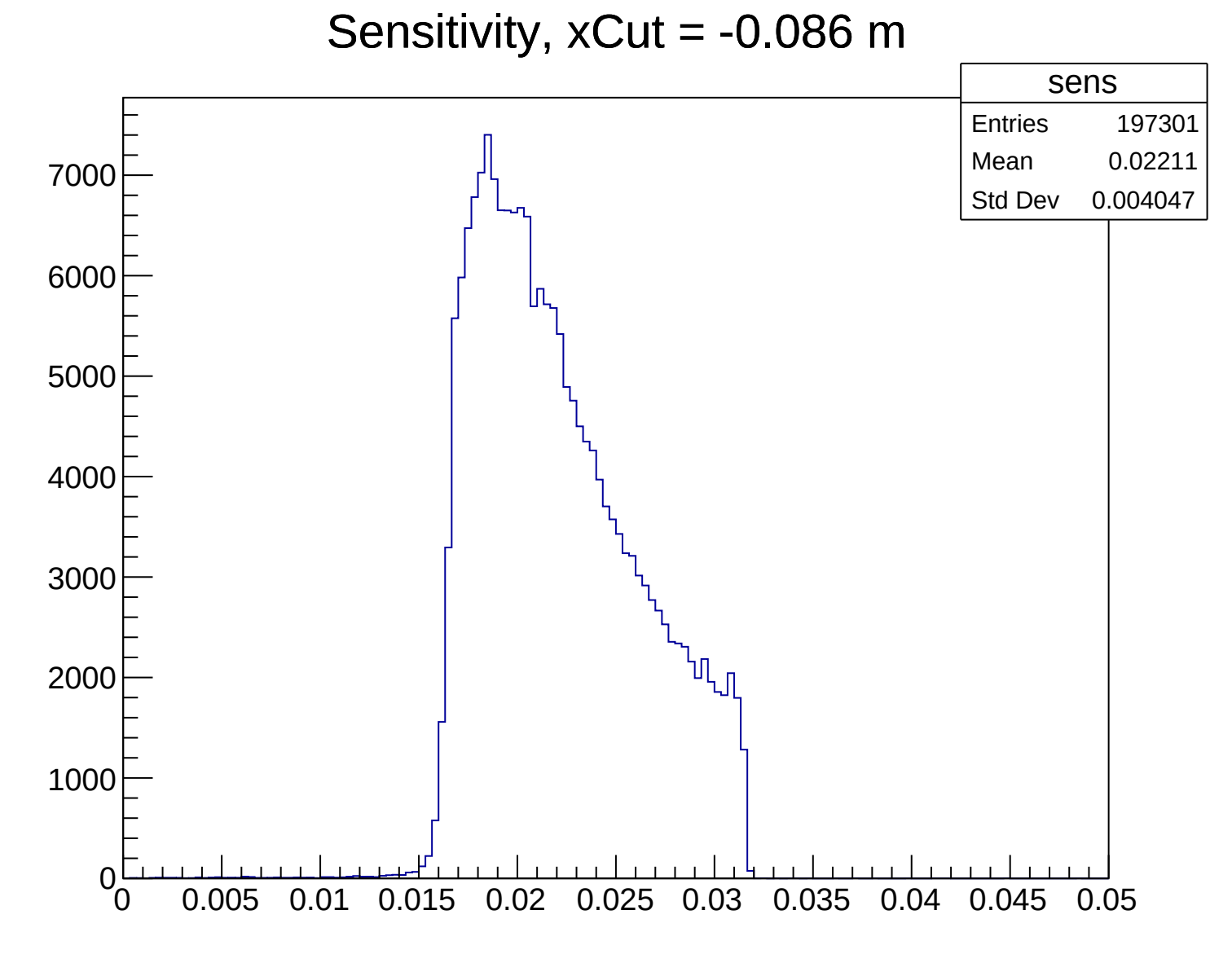

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

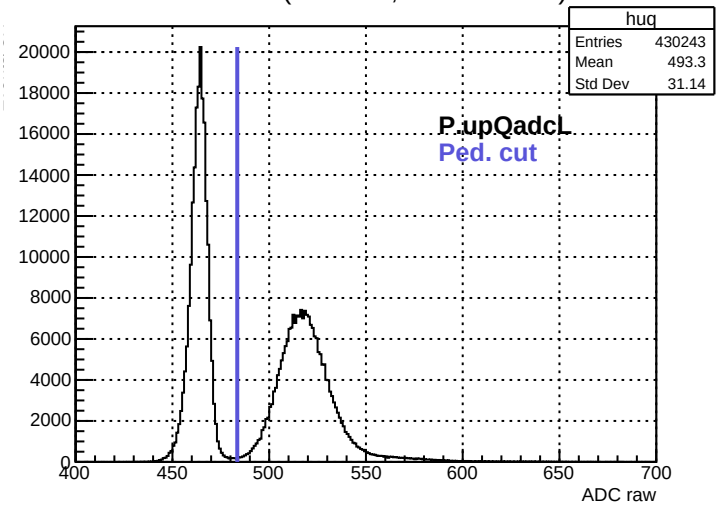

θlab (deg), xCut = -0.086 m
Theta
Entries 197301
Mean 4.774
Std Dev 0.473
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

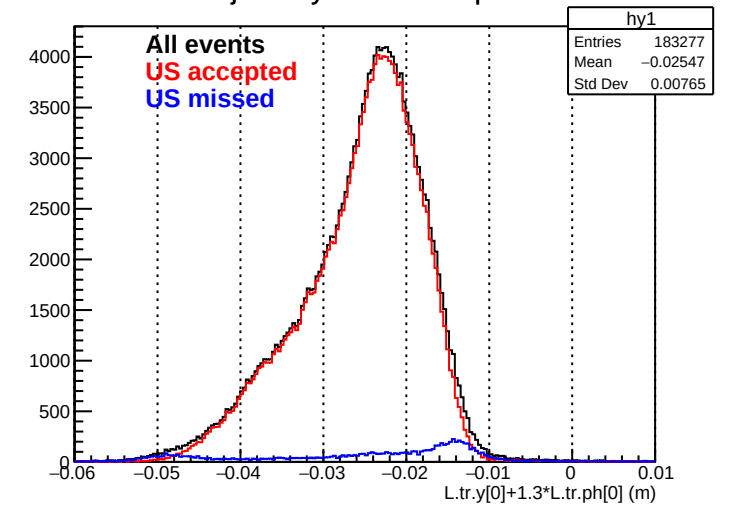

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 197301
Mean 0.5678
Std Dev 0.0834
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

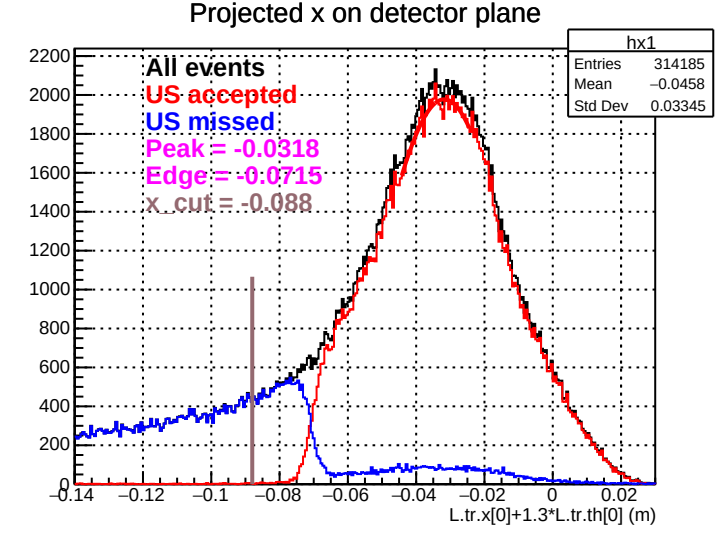

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 197301
Mean 0.555
Std Dev 0.07953
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

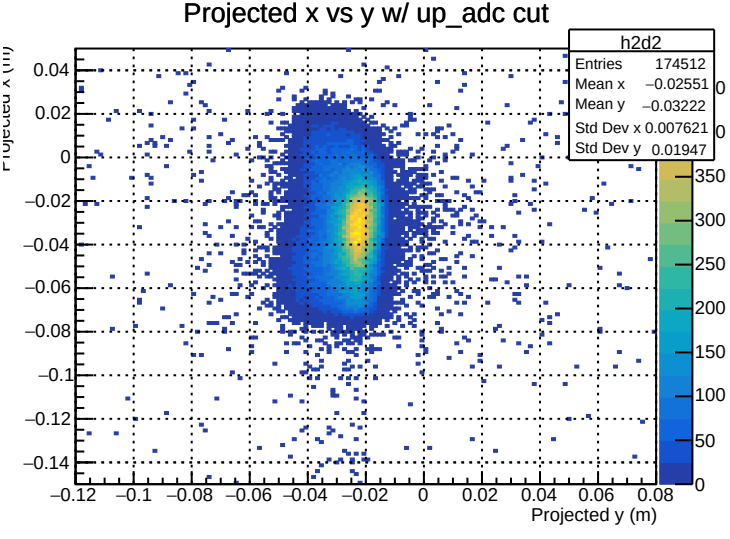

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 197301
Mean 0.006297
Std Dev 0.001275
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

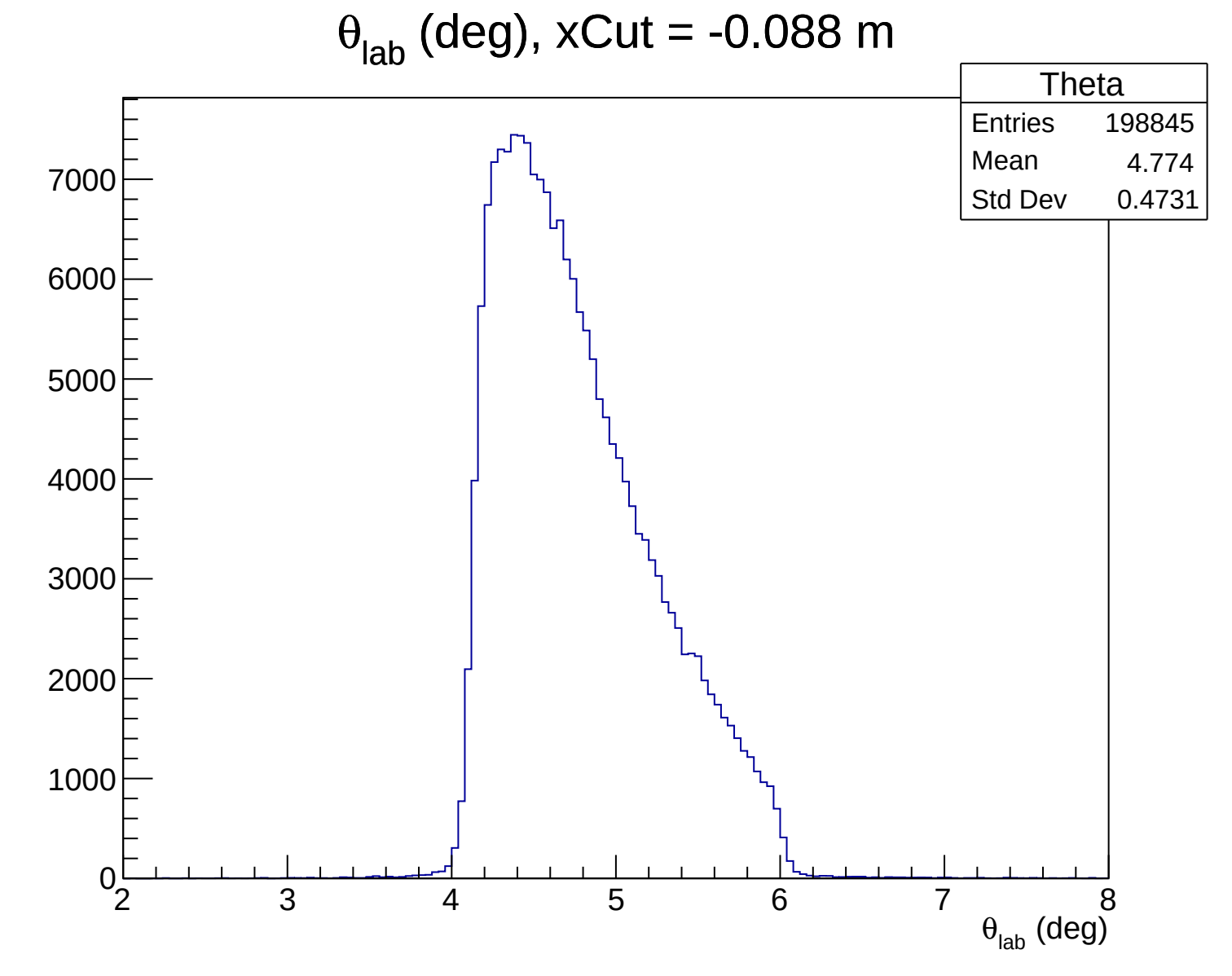

Sensitivity, xCut = -0.086 m
sens
Entries 197301
Mean 0.02211
Std Dev 0.004047
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

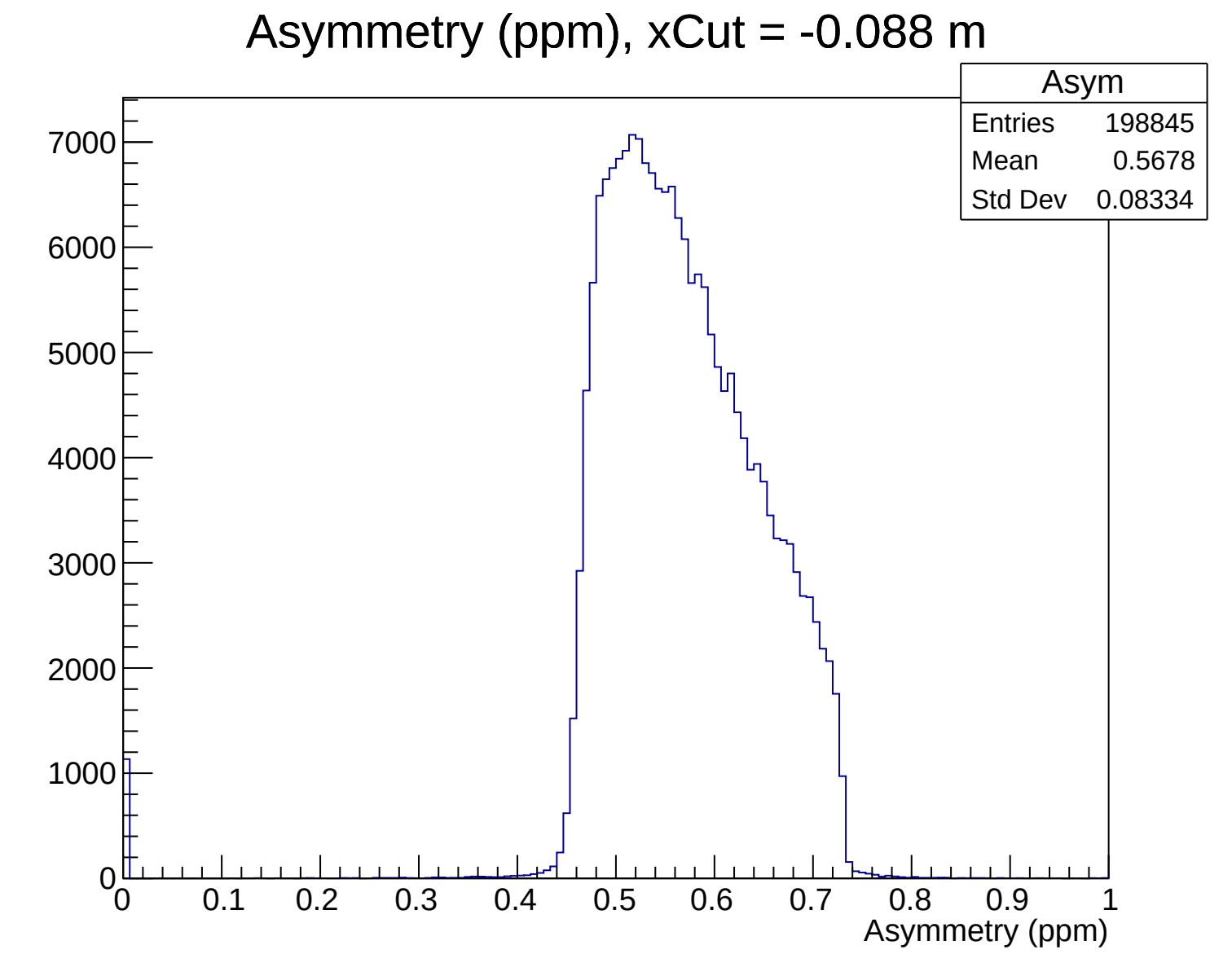

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

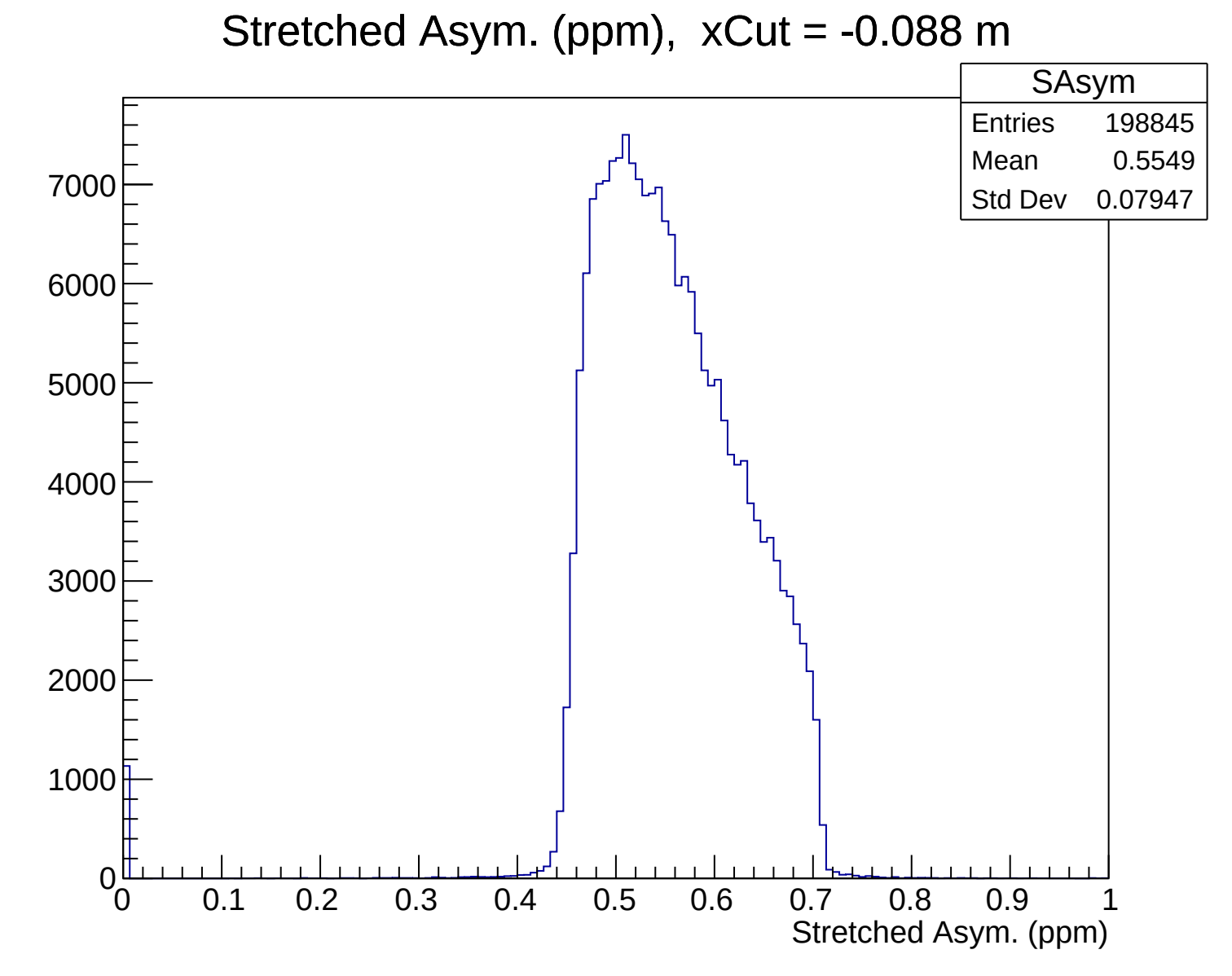

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

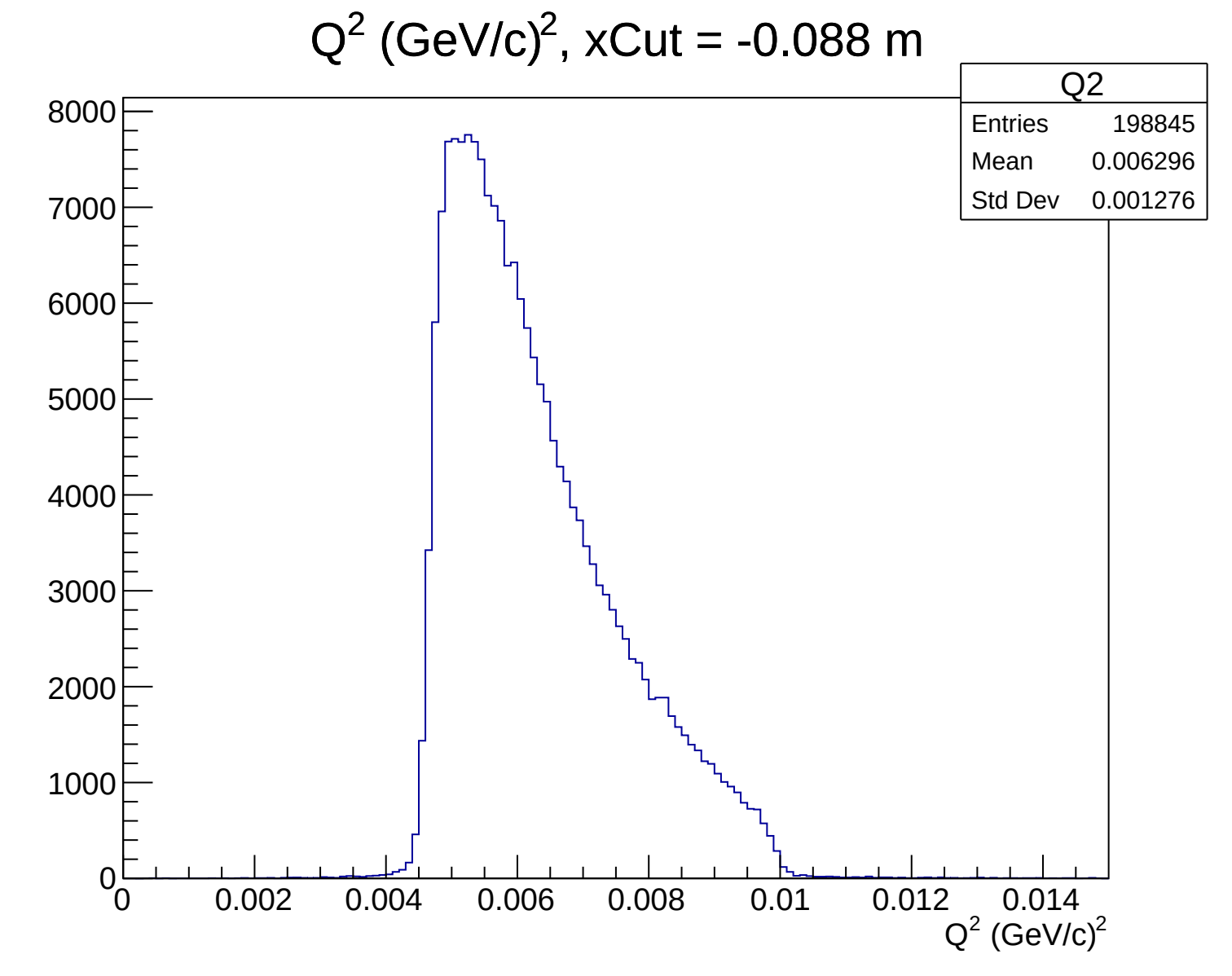

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

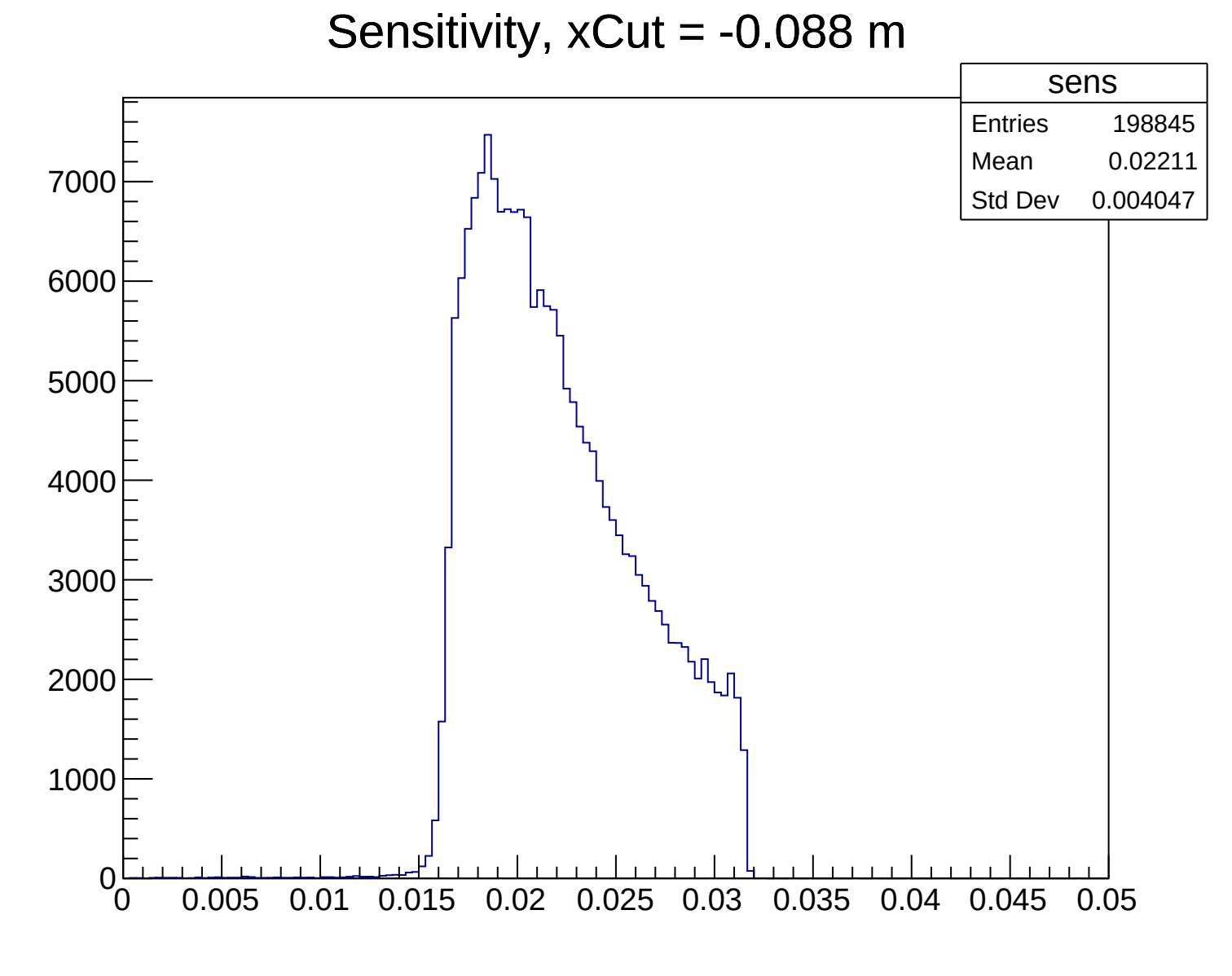

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

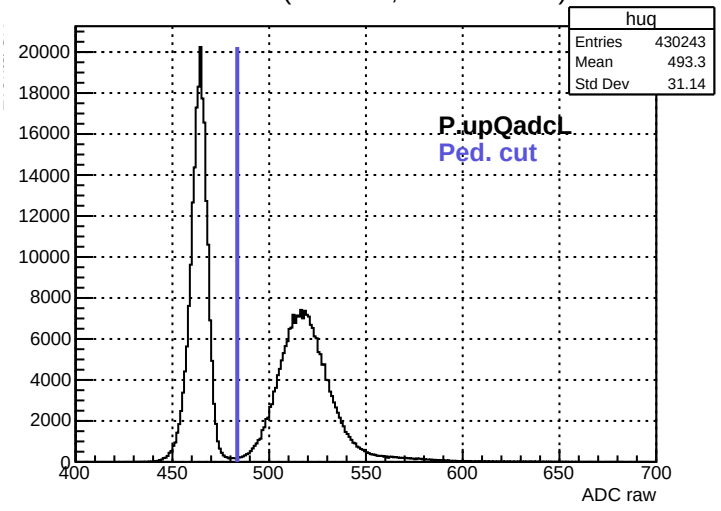

θlab (deg), xCut = -0.088 m
Theta
Entries 198845
Mean 4.774
Std Dev 0.4731
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

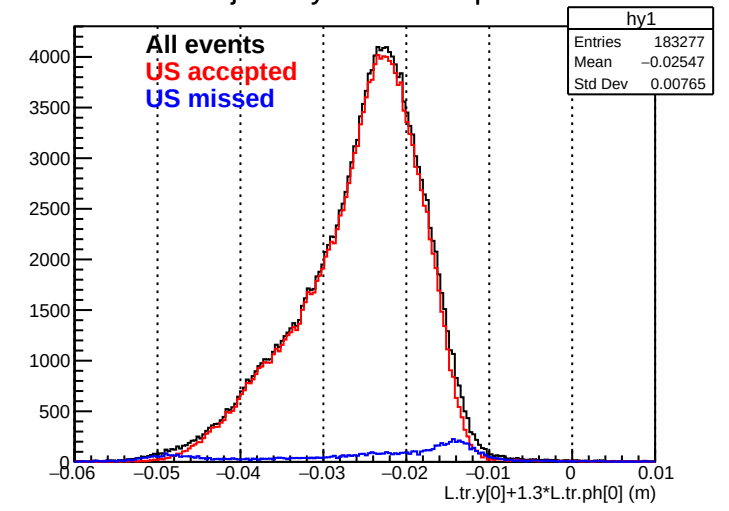

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 198845
Mean 0.5678
Std Dev 0.08334
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

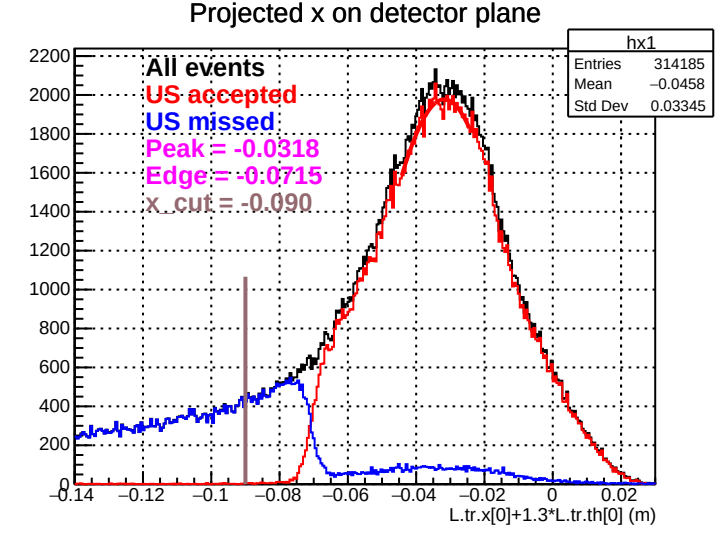

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 198845
Mean 0.5549
Std Dev 0.07947
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

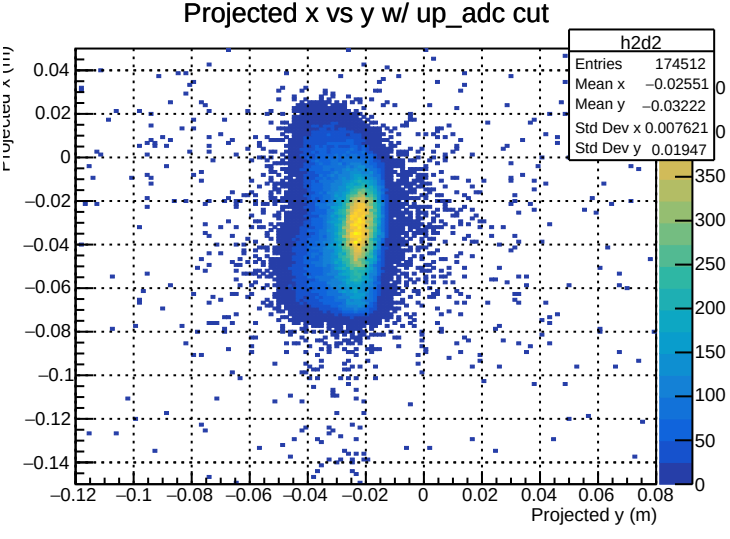

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 198845
Mean 0.006296
Std Dev 0.001276
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

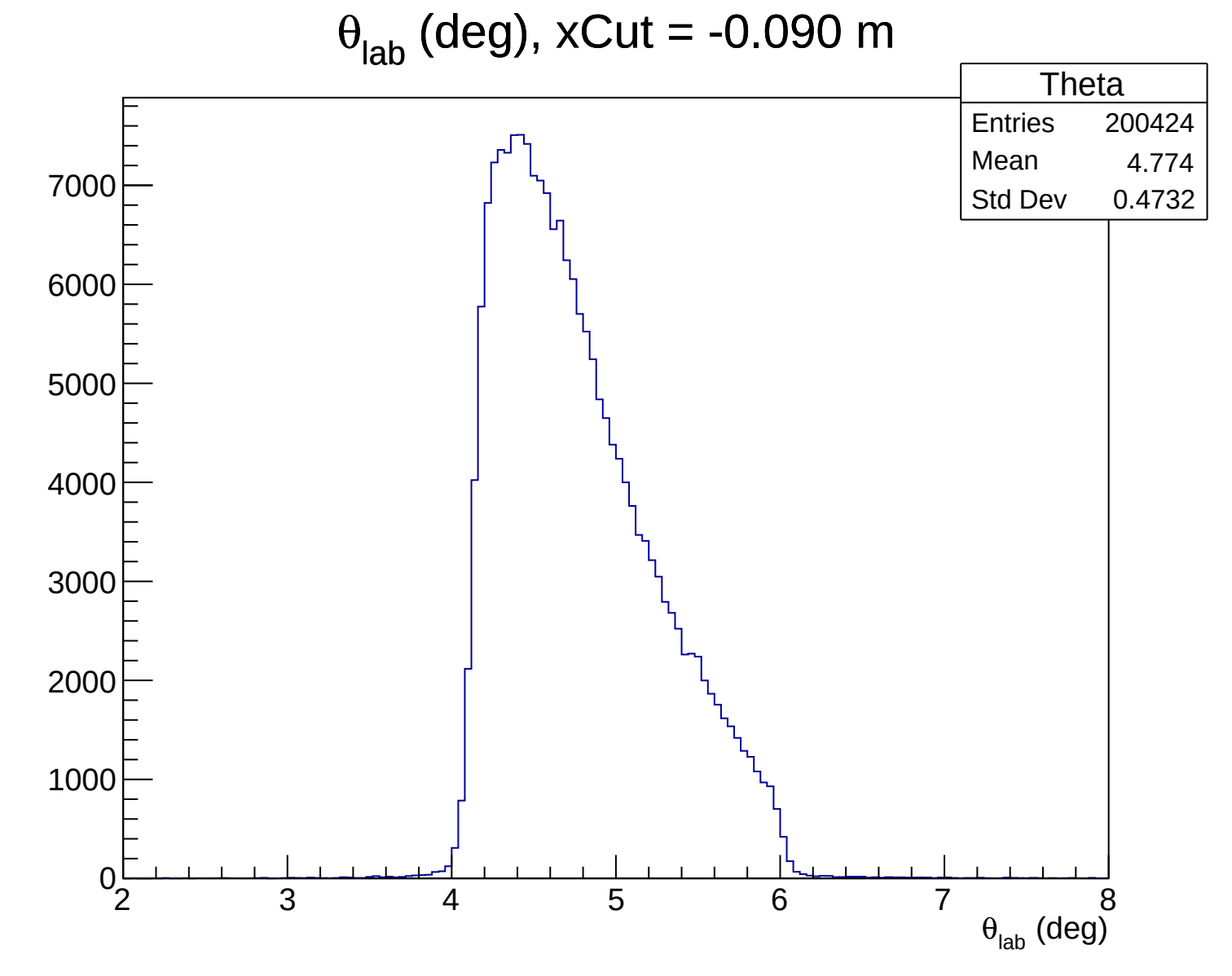

Sensitivity, xCut = -0.088 m
sens
Entries 198845
Mean 0.02211
Std Dev 0.004047
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

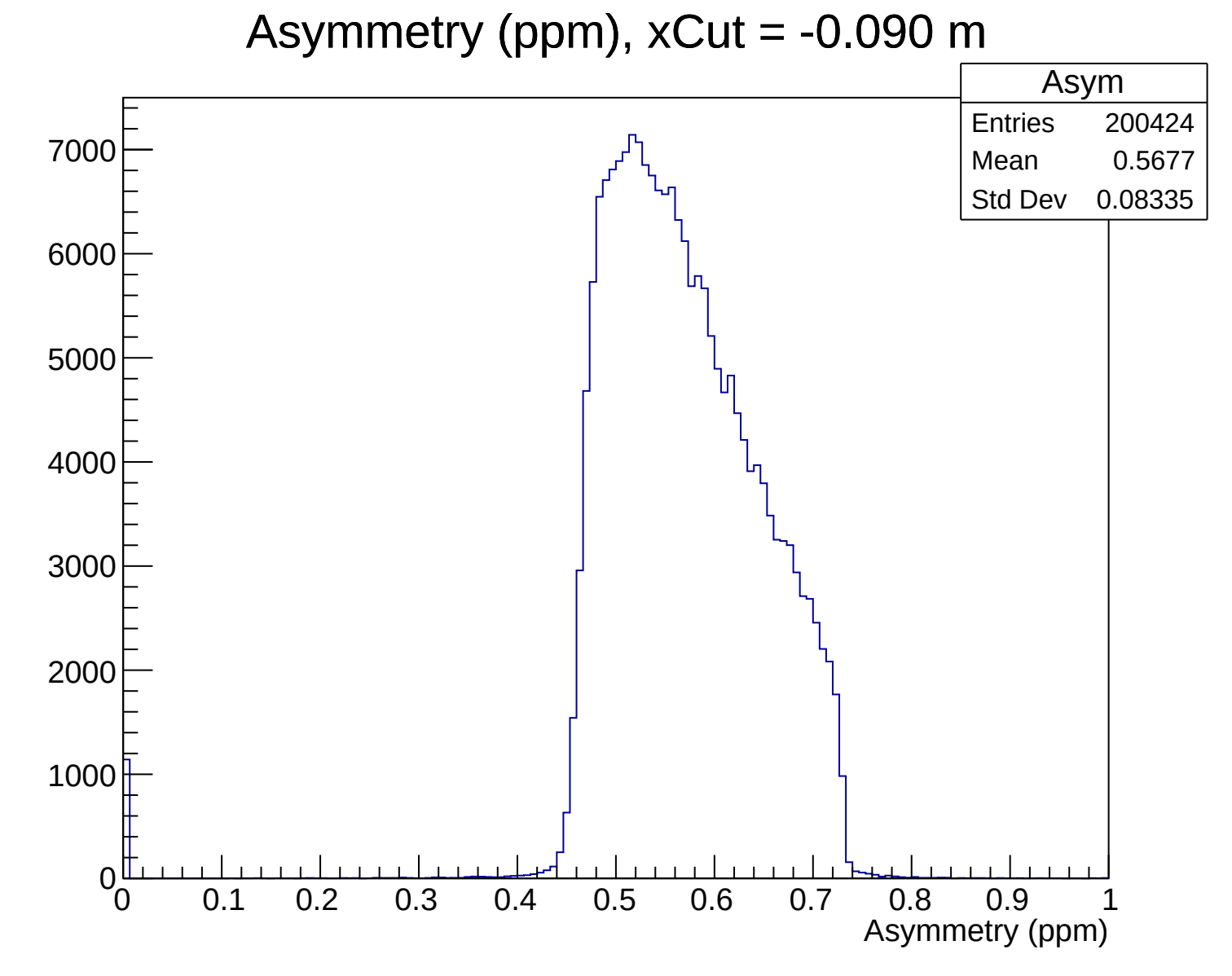

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

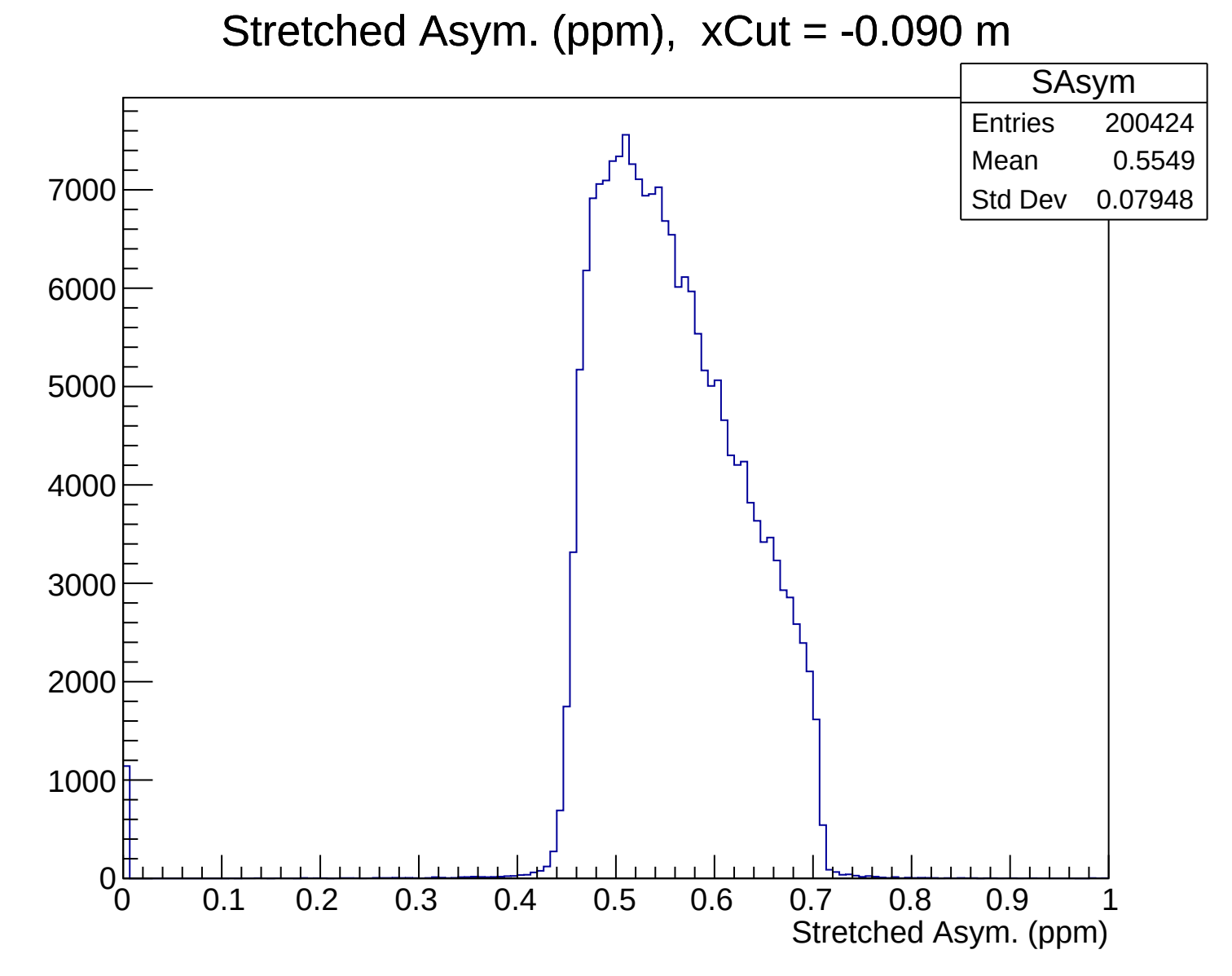

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

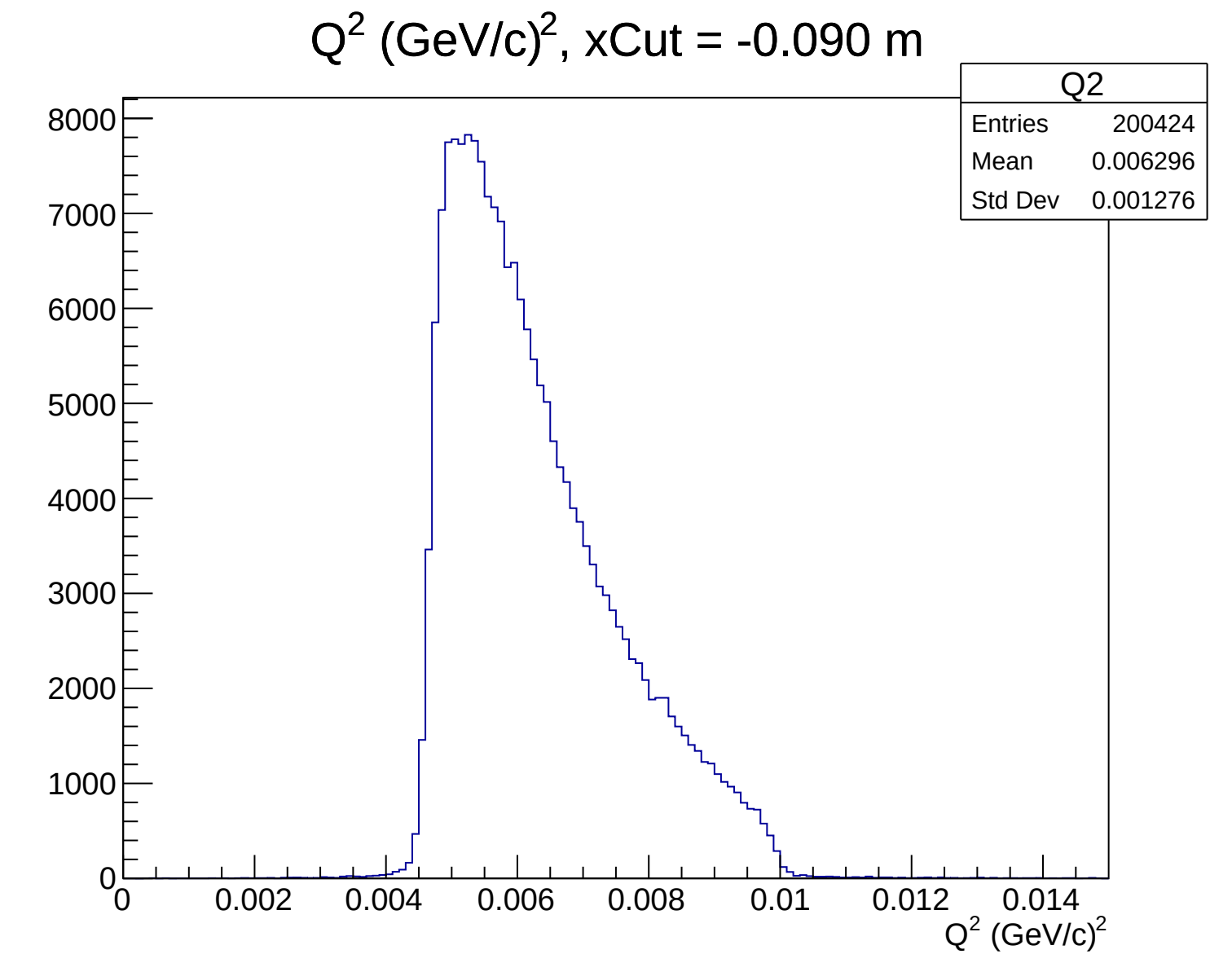

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

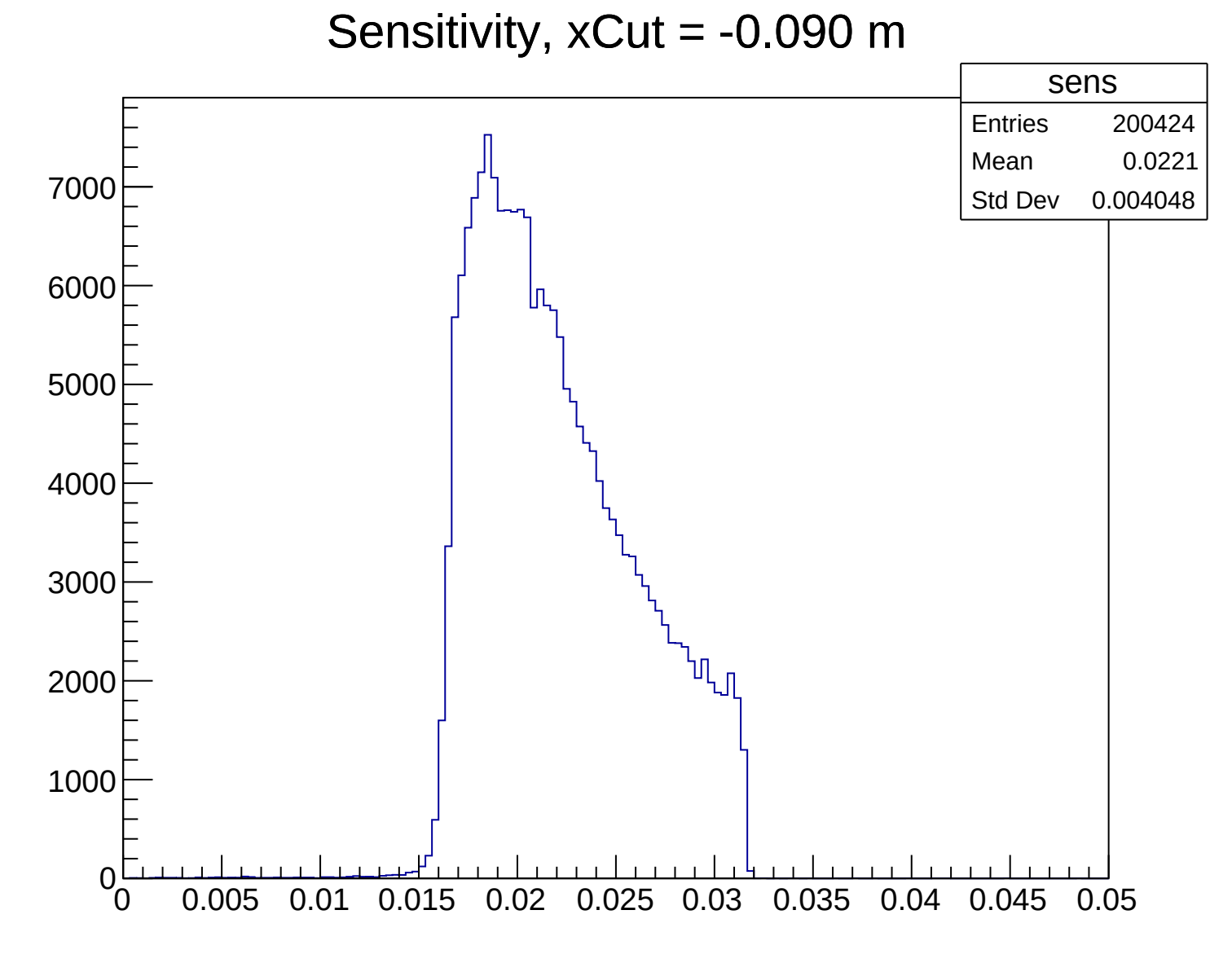

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

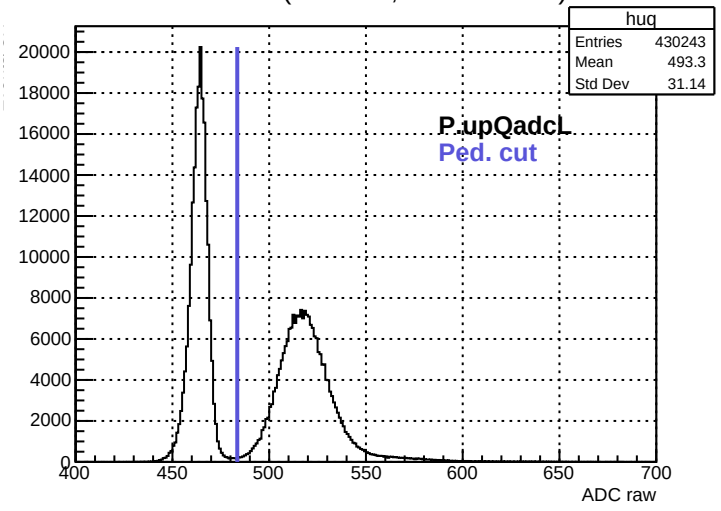

θlab (deg), xCut = -0.090 m
Theta
Entries 200424
Mean 4.774
Std Dev 0.4732
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

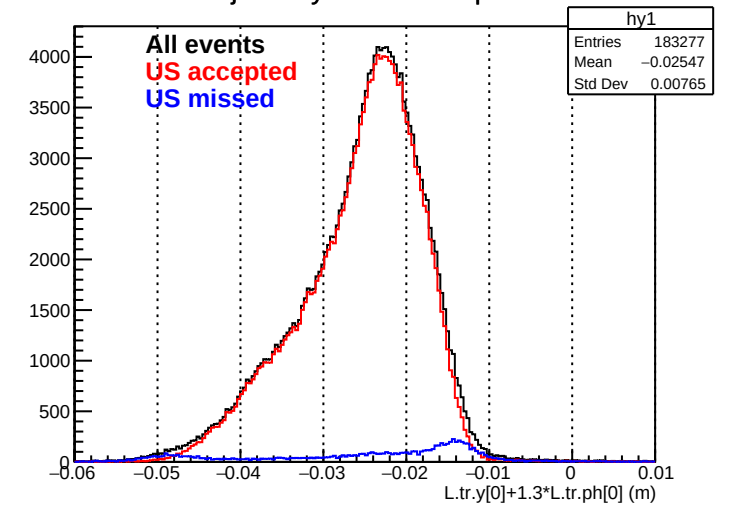

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 200424
Mean 0.5677
Std Dev 0.08335
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

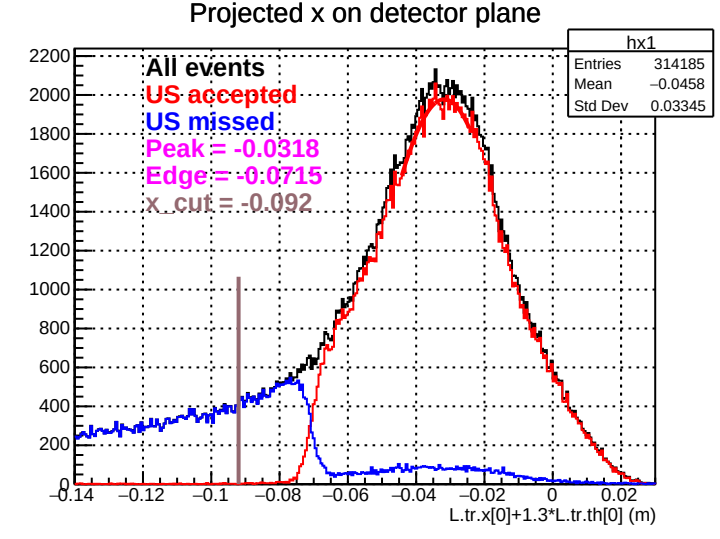

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 200424
Mean 0.5549
Std Dev 0.07948
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

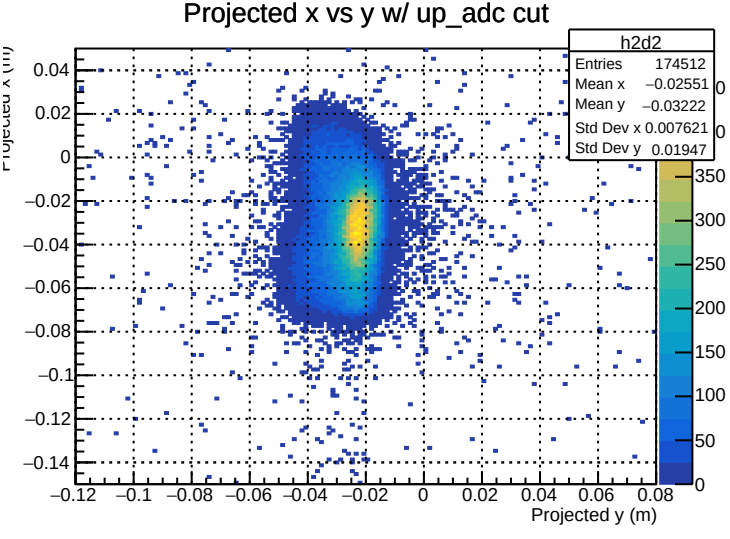

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 200424
Mean 0.006296
Std Dev 0.001276
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

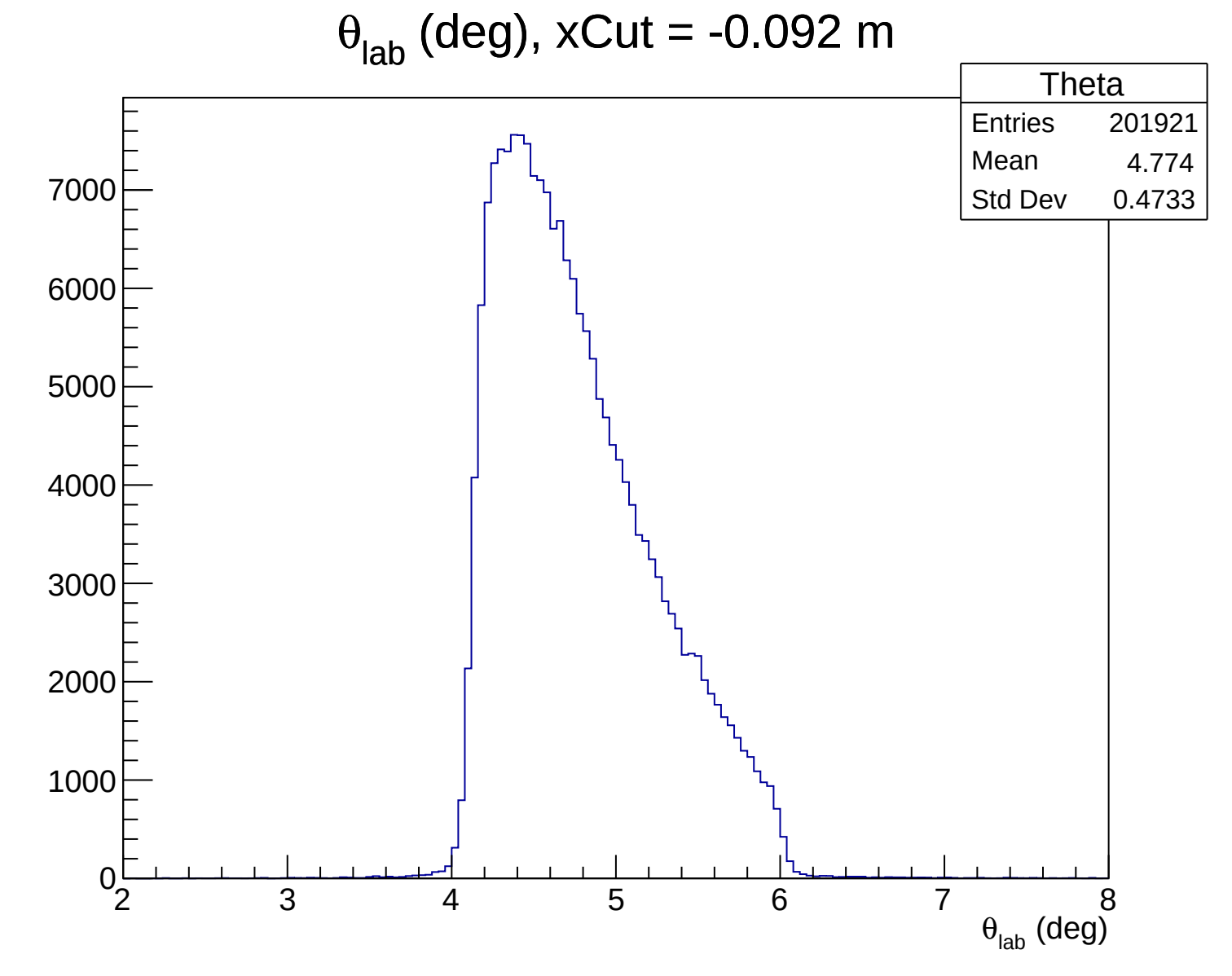

Sensitivity, xCut = -0.090 m
sens
Entries 200424
Mean 0.0221
Std Dev 0.004048
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

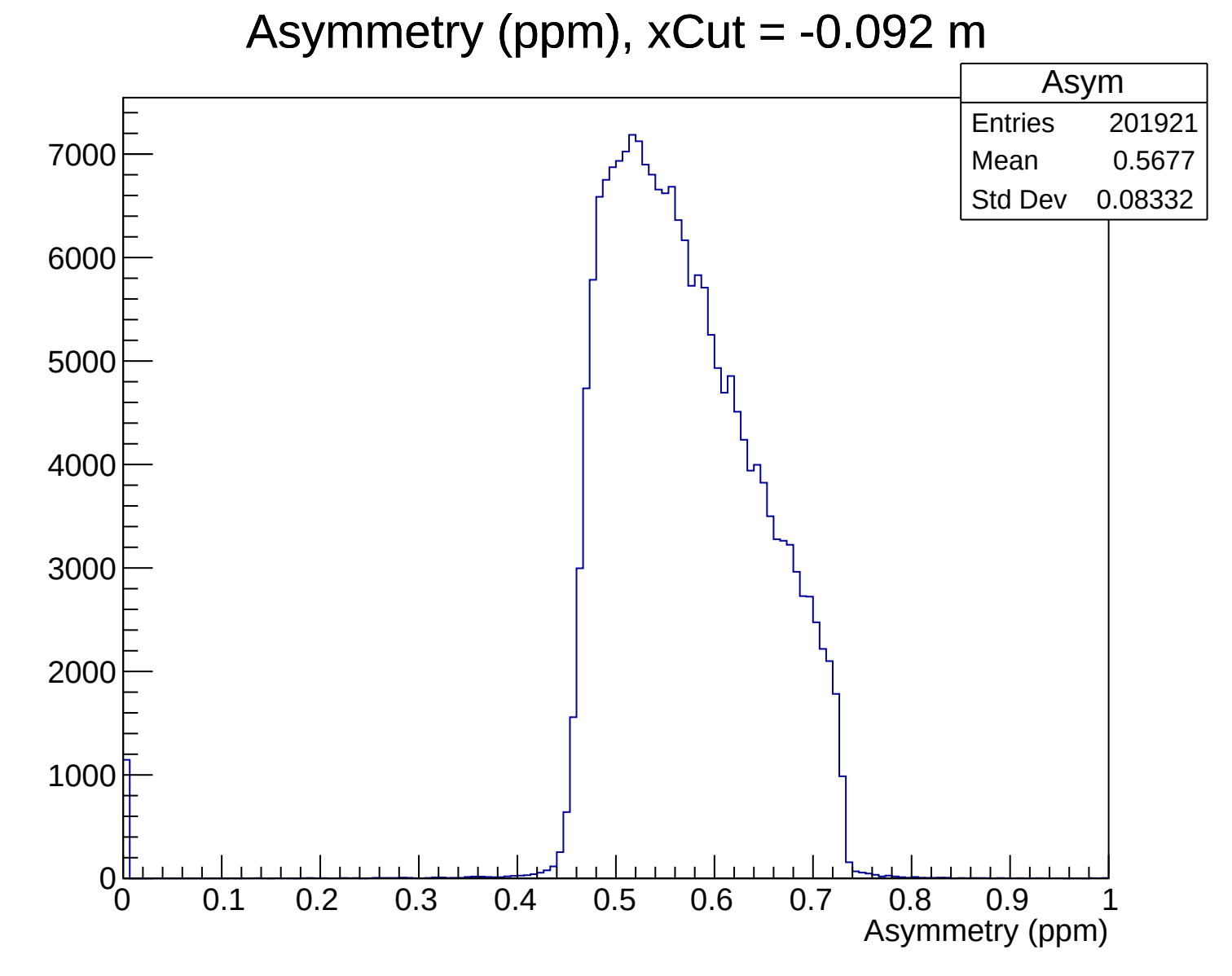

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

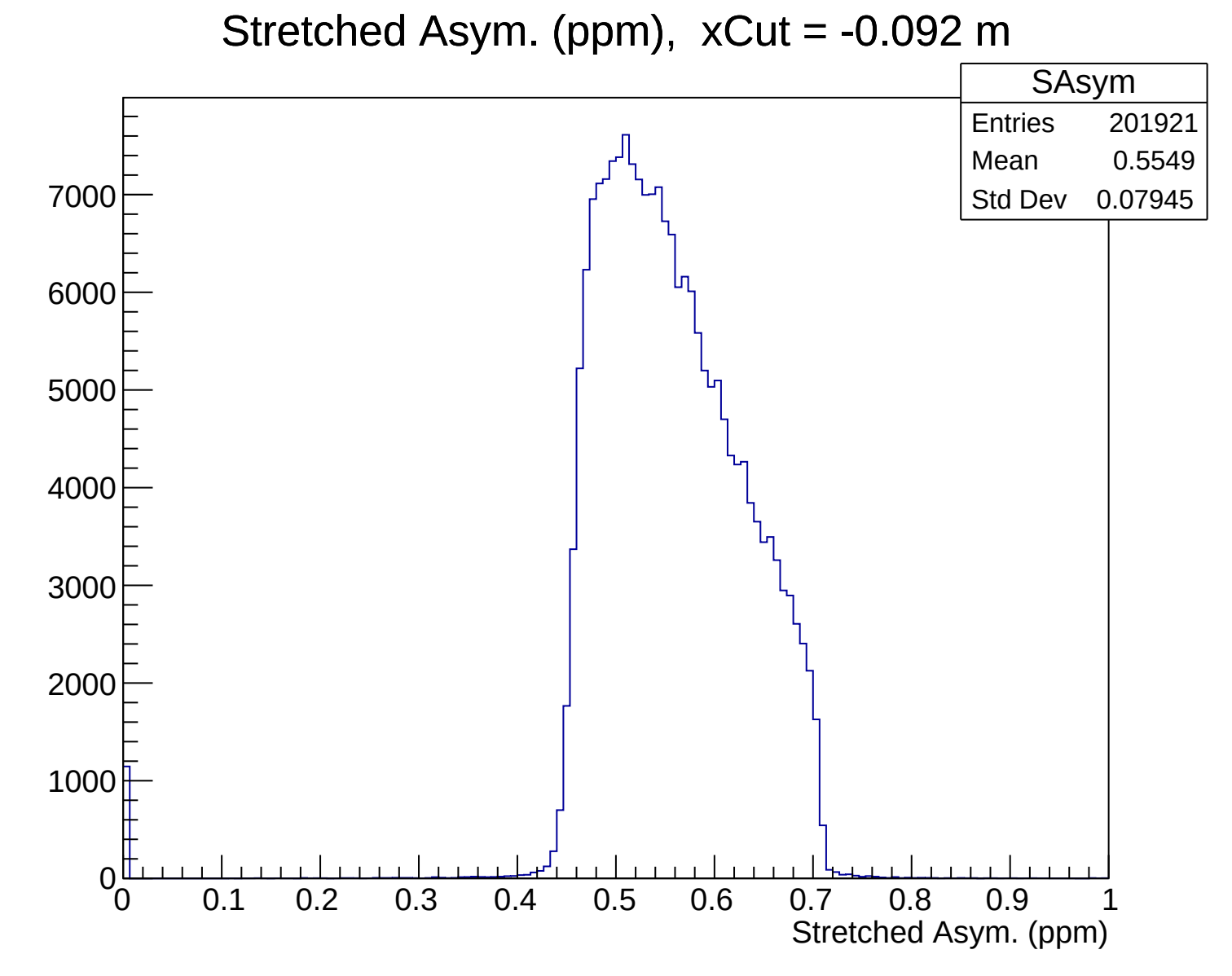

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

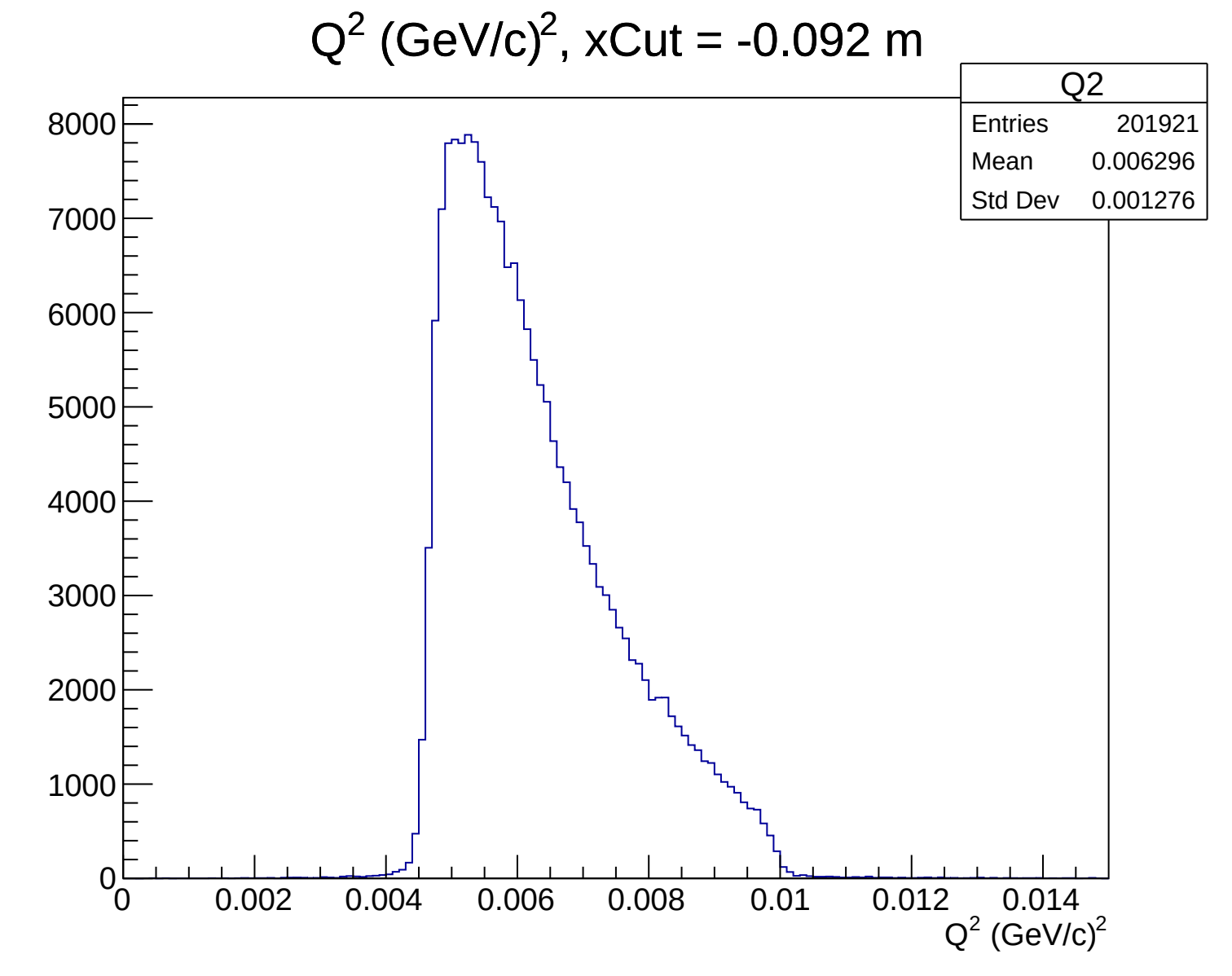

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.092
L.tr.x[0]+1.3*L.tr.th[0] (m)

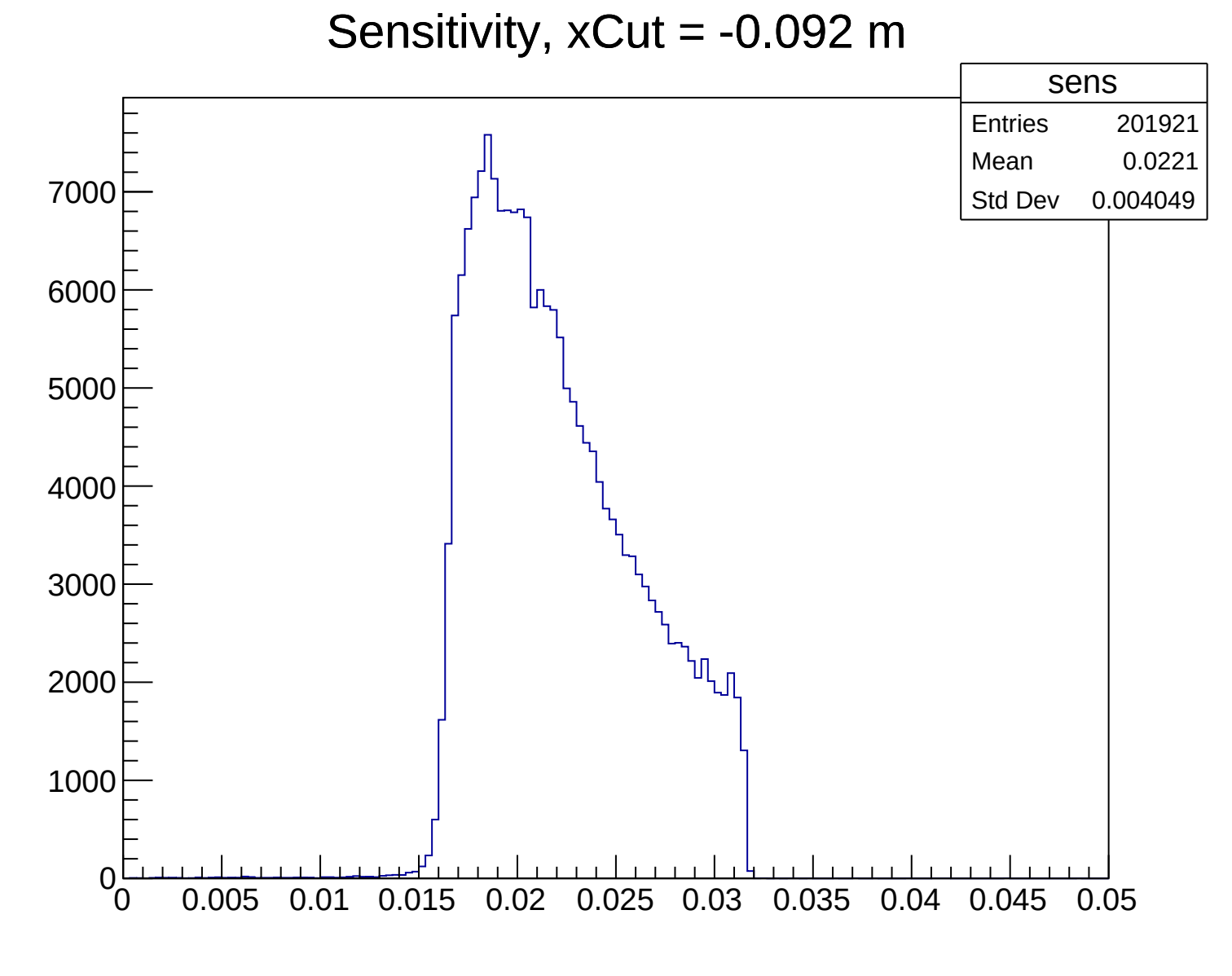

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

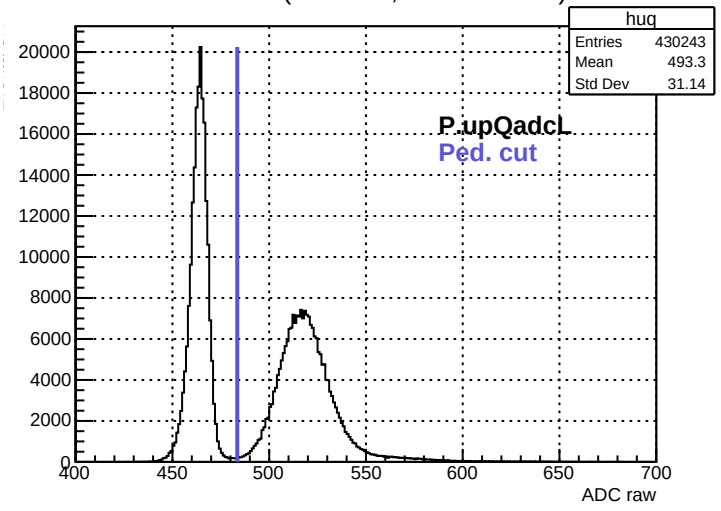

θlab (deg), xCut = -0.092 m
Theta
Entries 201921
Mean 4.774
Std Dev 0.4733
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

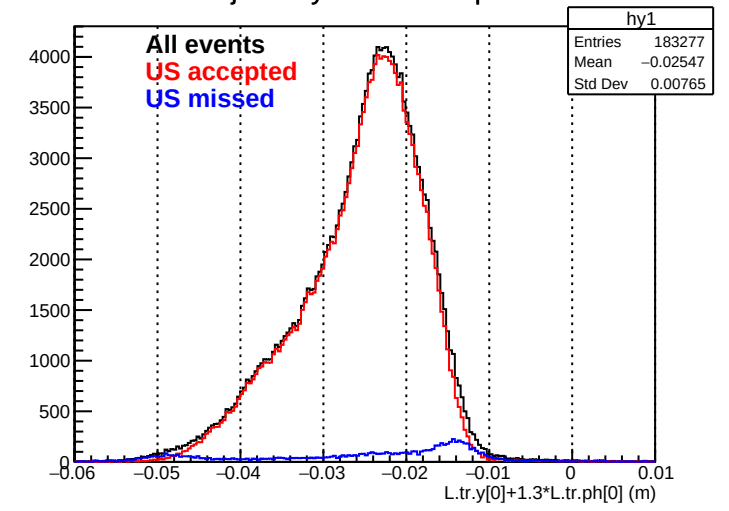

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 201921
Mean 0.5677
Std Dev 0.08332
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

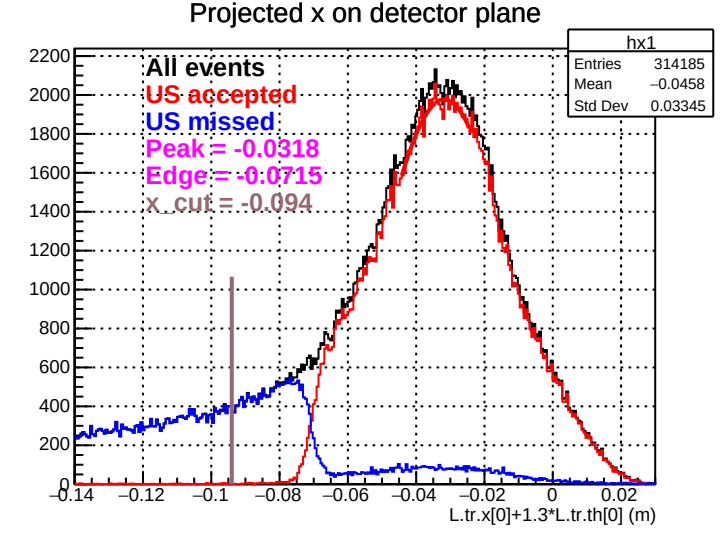

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 201921
Mean 0.5549
Std Dev 0.07945
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

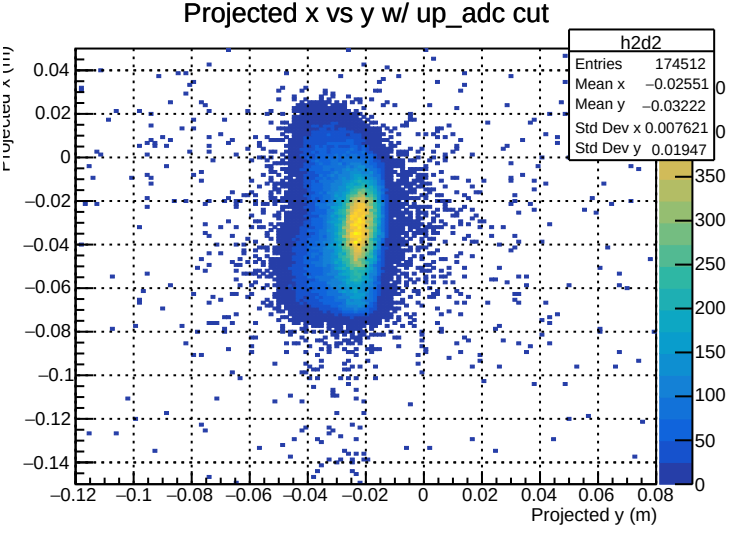

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 201921
Mean 0.006296
Std Dev 0.001276
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

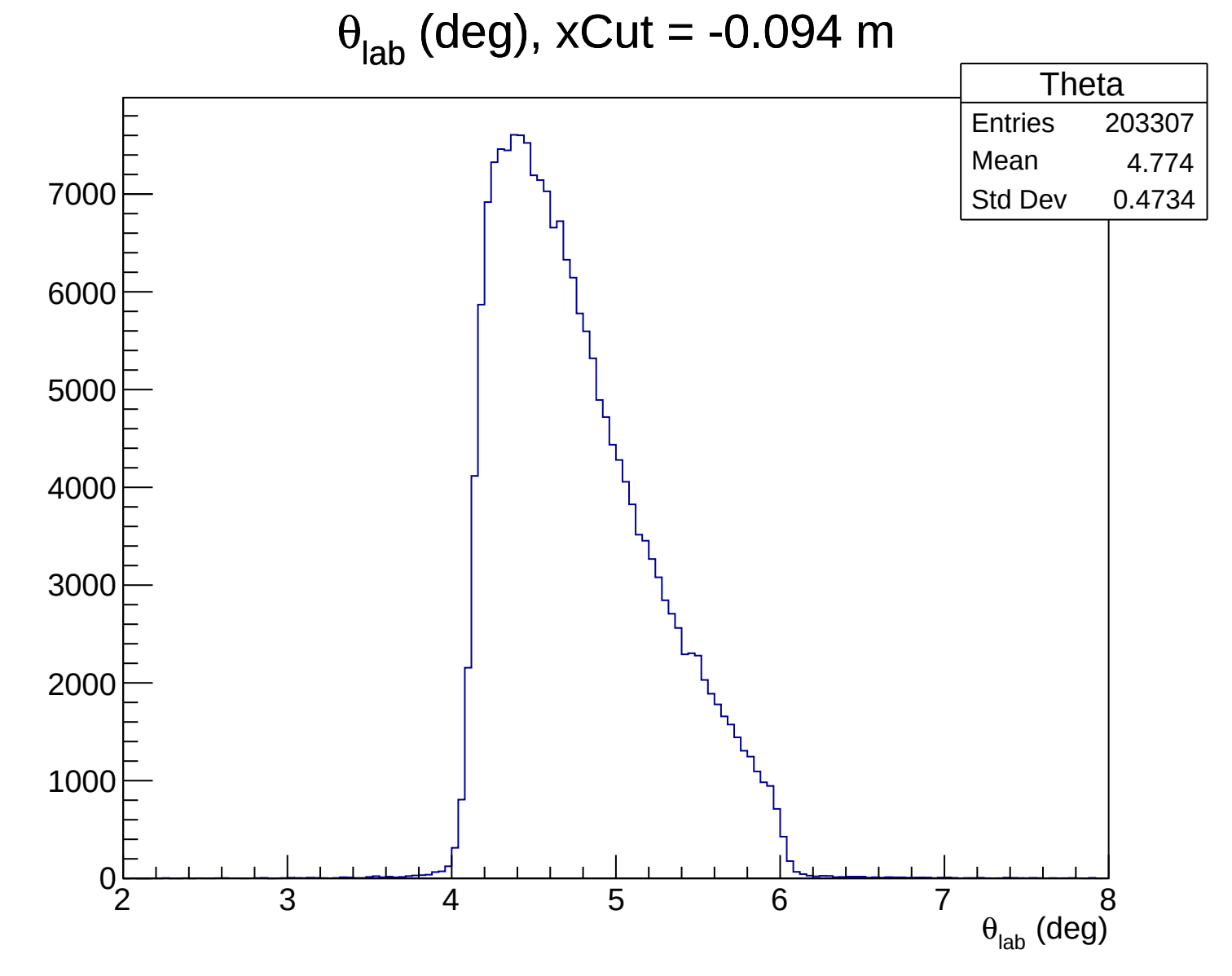

Sensitivity, xCut = -0.092 m
sens
Entries 201921
Mean 0.0221
Std Dev 0.004049
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

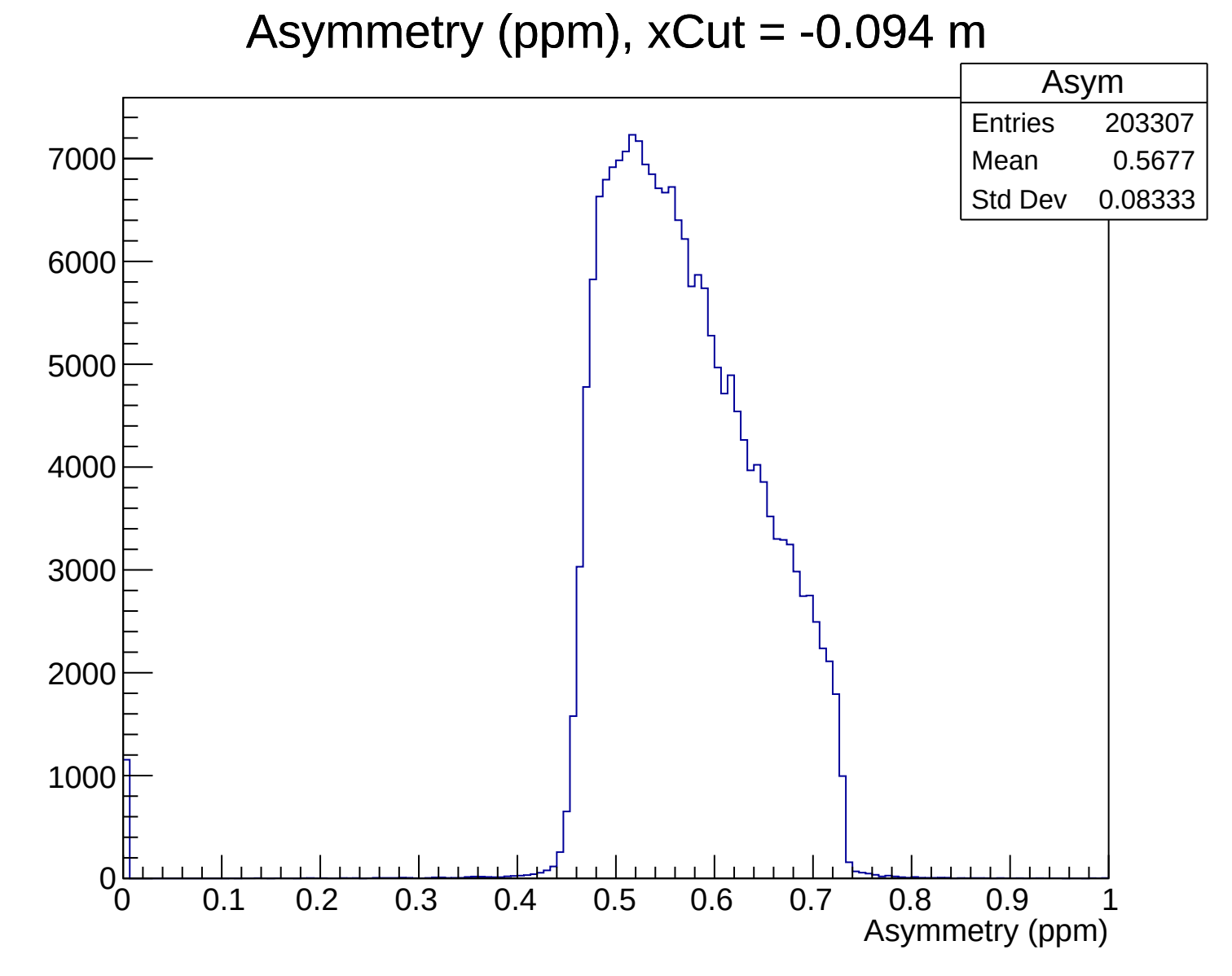

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

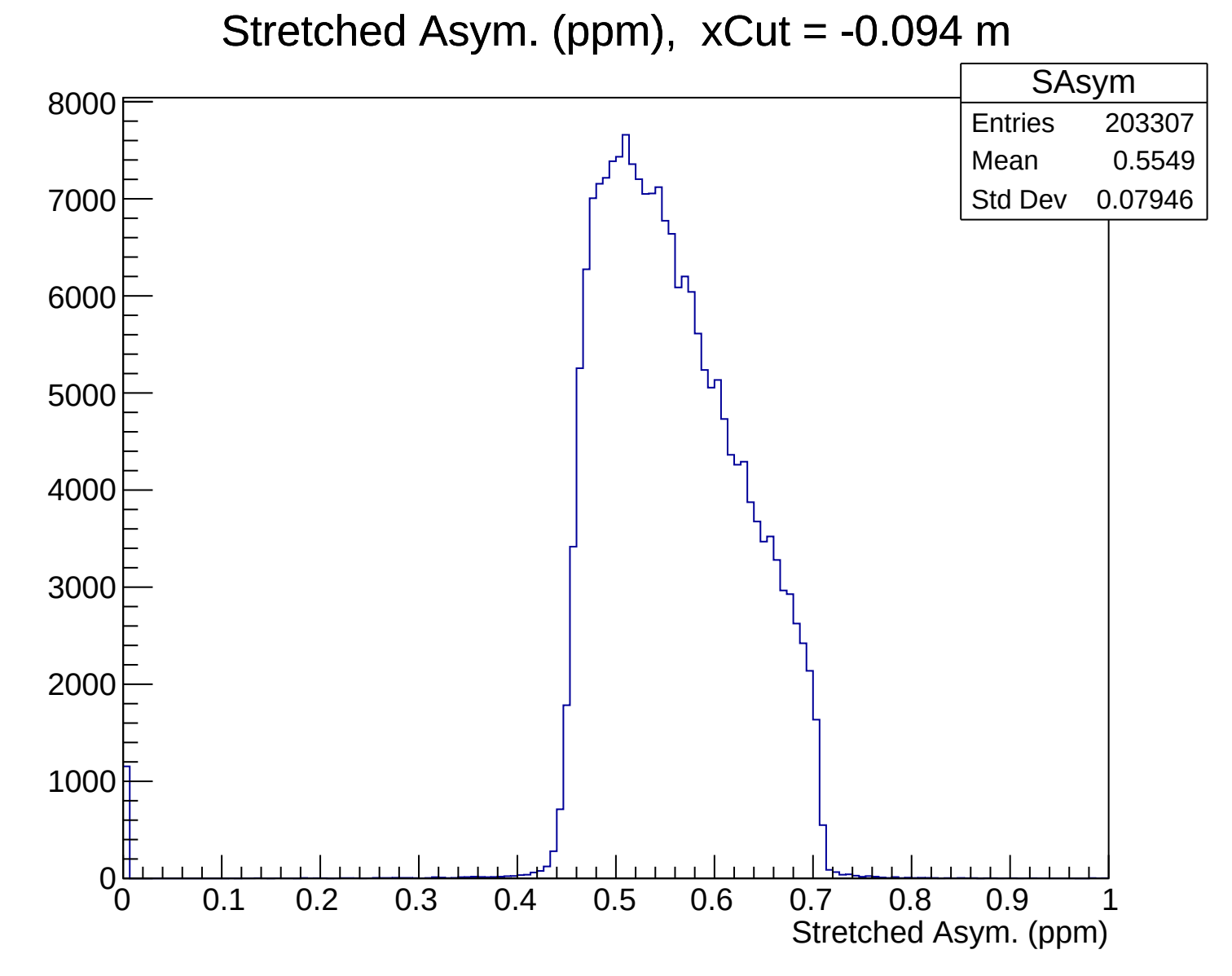

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

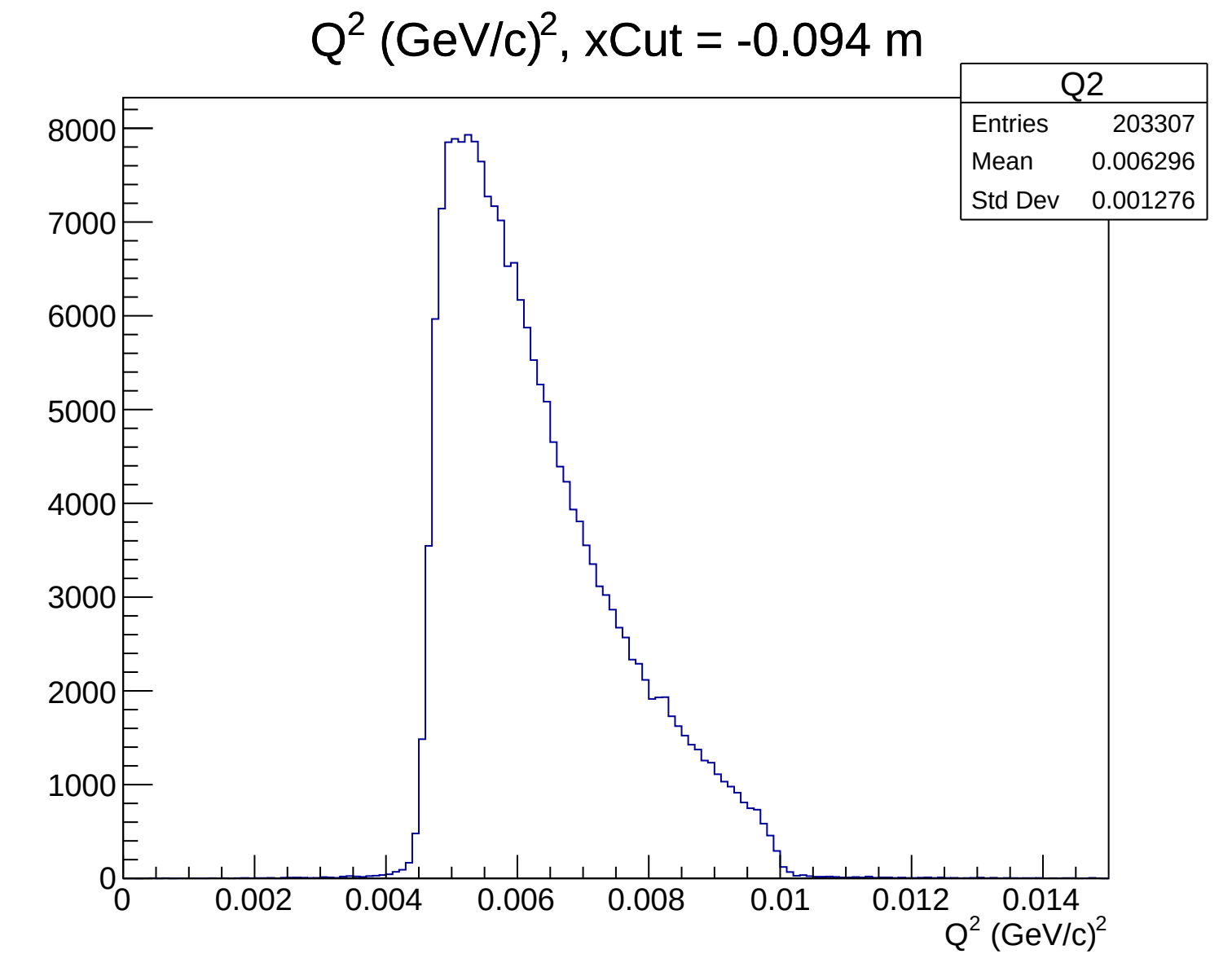

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

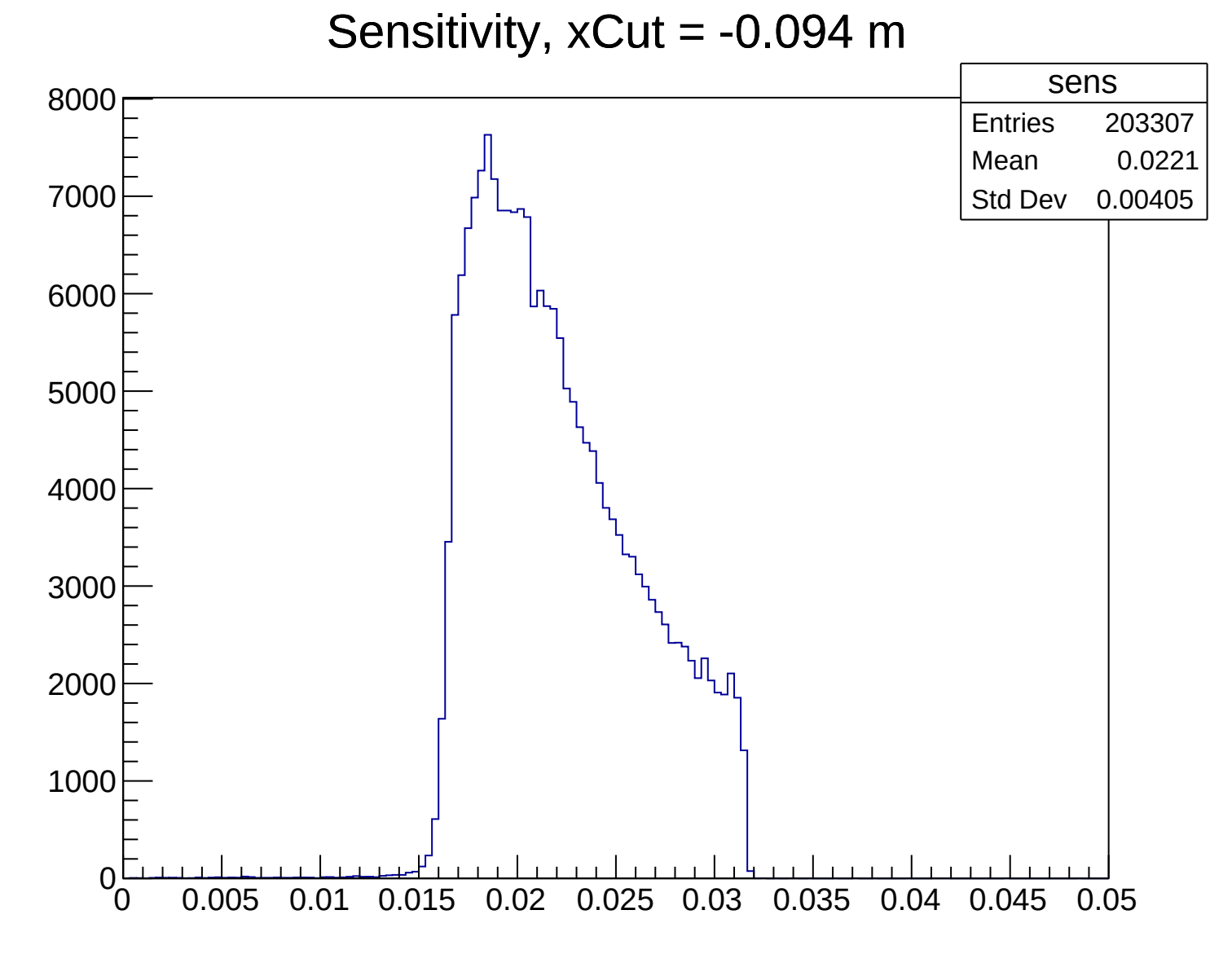

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

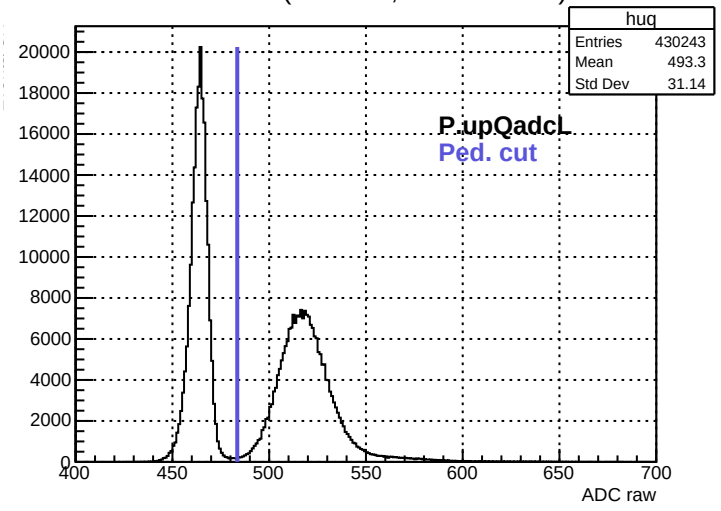

θlab (deg), xCut = -0.094 m
Theta
Entries 203307
Mean 4.774
Std Dev 0.4734
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

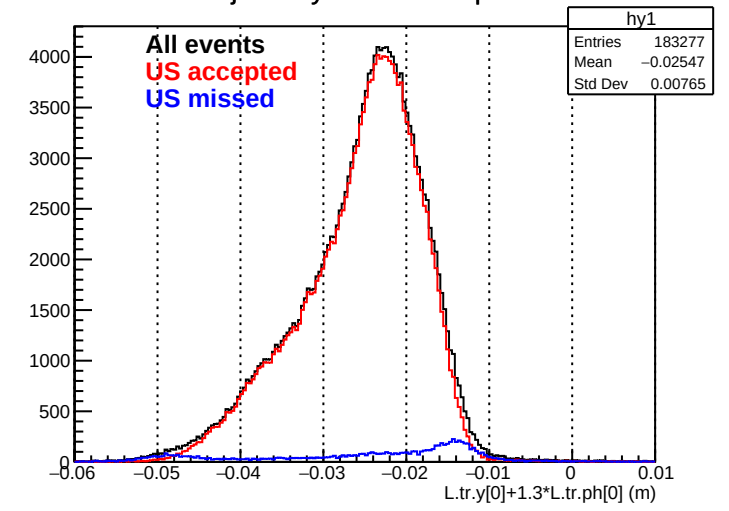

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 203307
Mean 0.5677
Std Dev 0.08333
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

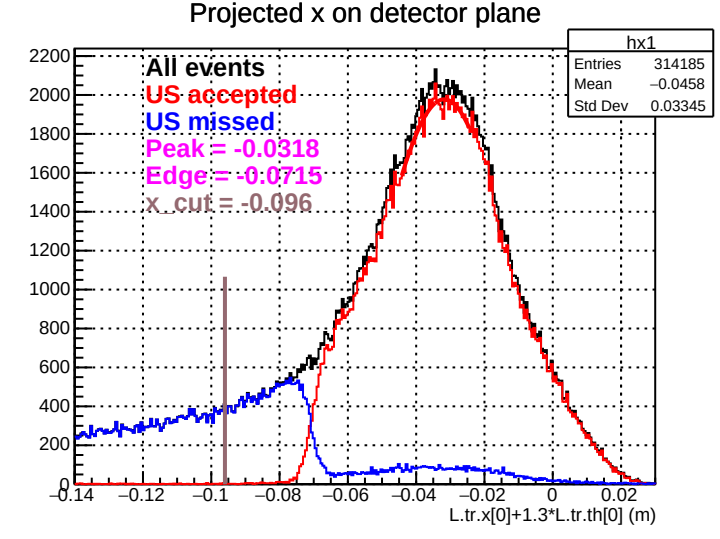

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 203307
Mean 0.5549
Std Dev 0.07946
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

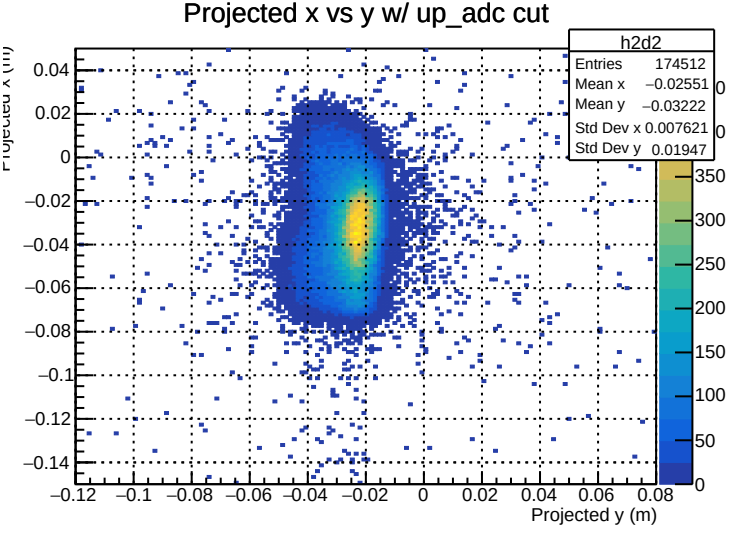

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 203307
Mean 0.006296
Std Dev 0.001276
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

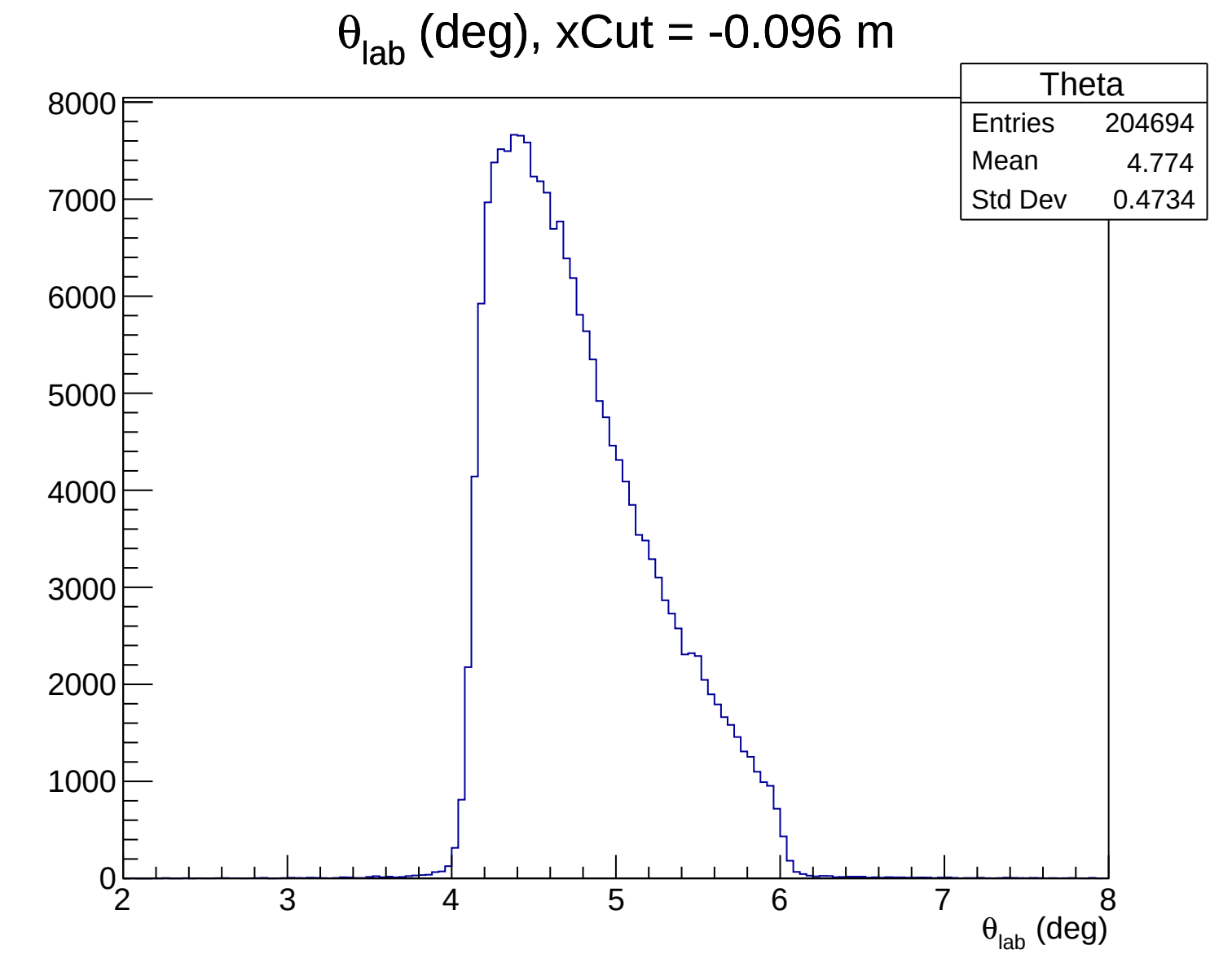

Sensitivity, xCut = -0.094 m
sens
Entries 203307
Mean 0.0221
Std Dev 0.00405
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

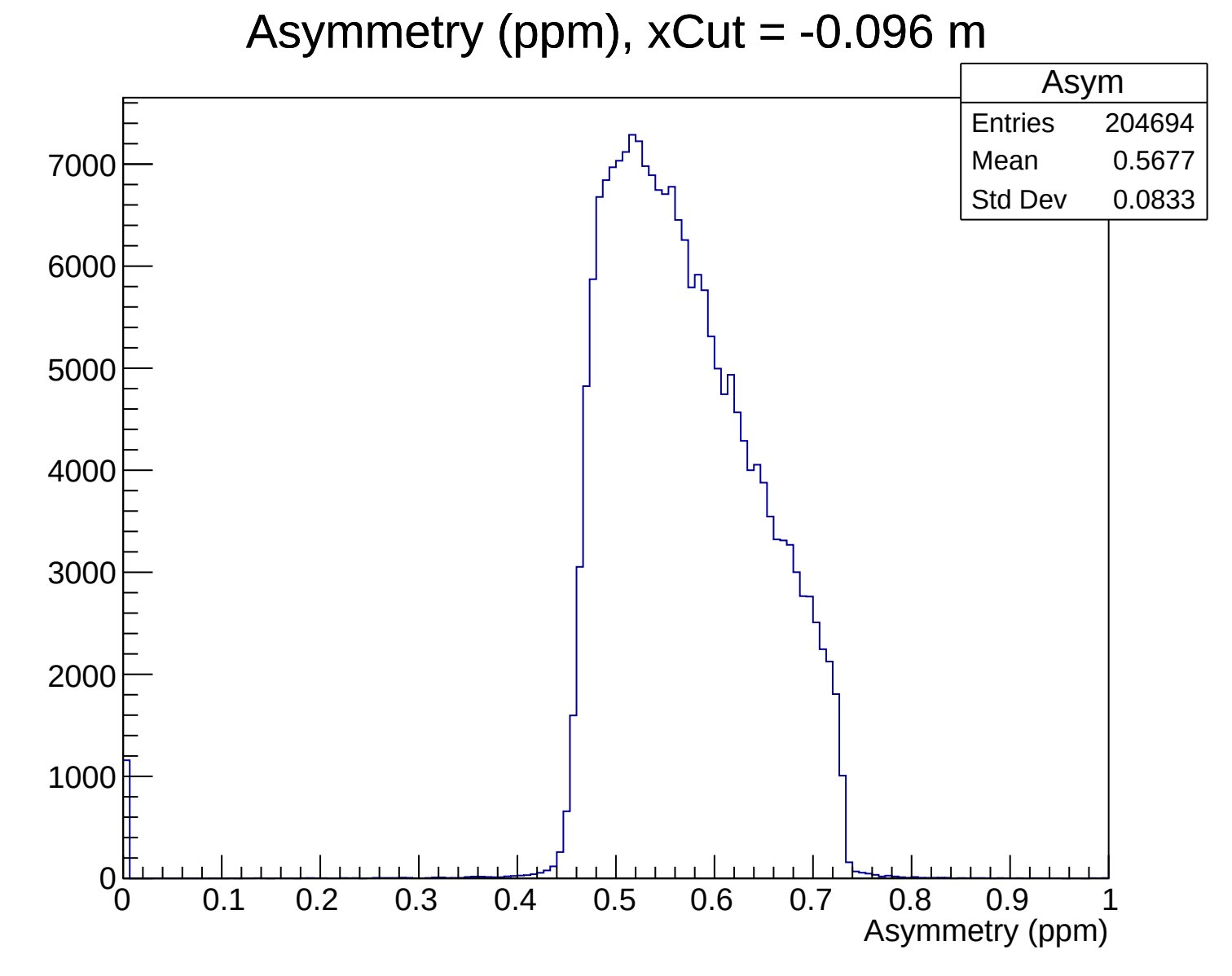

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

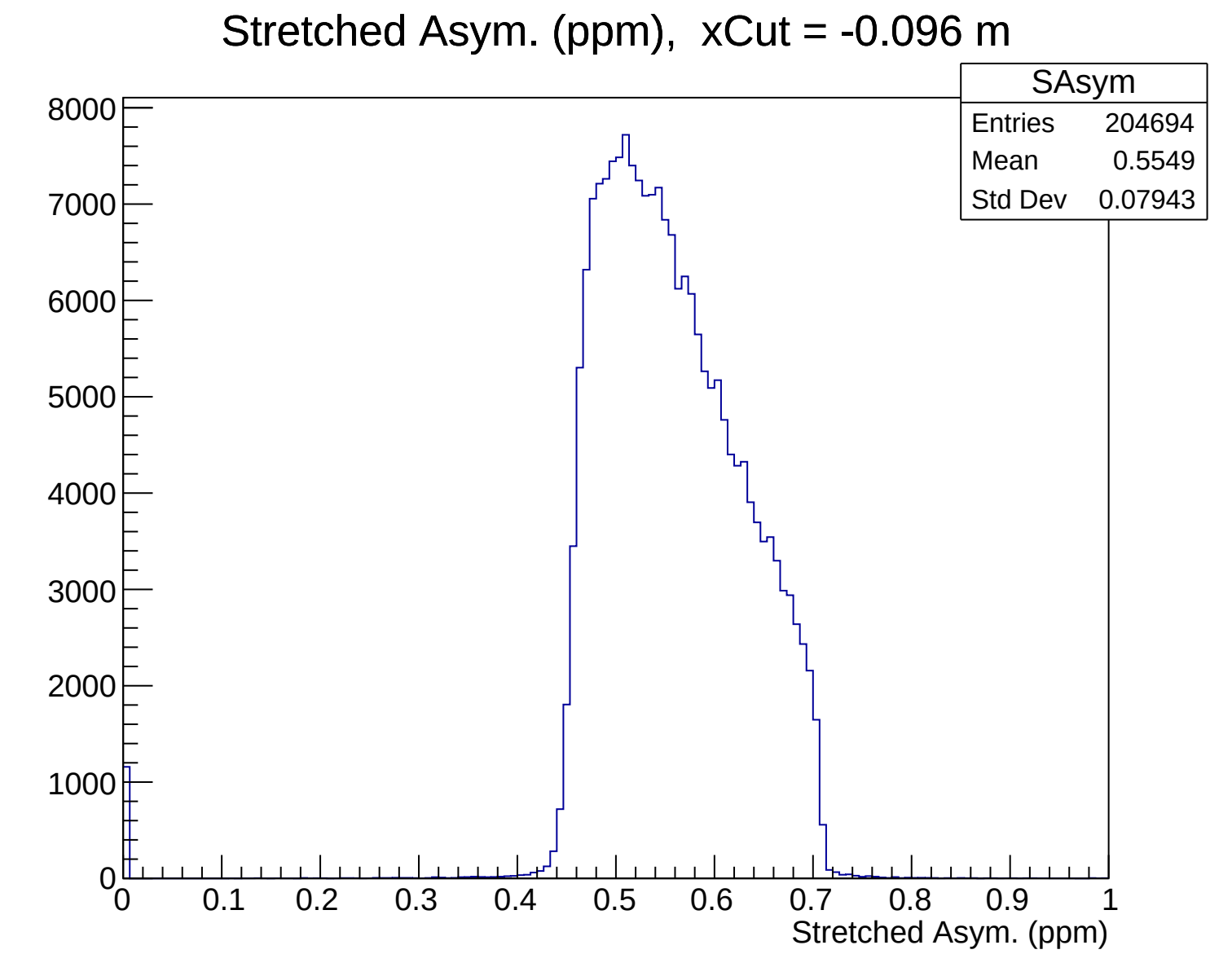

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

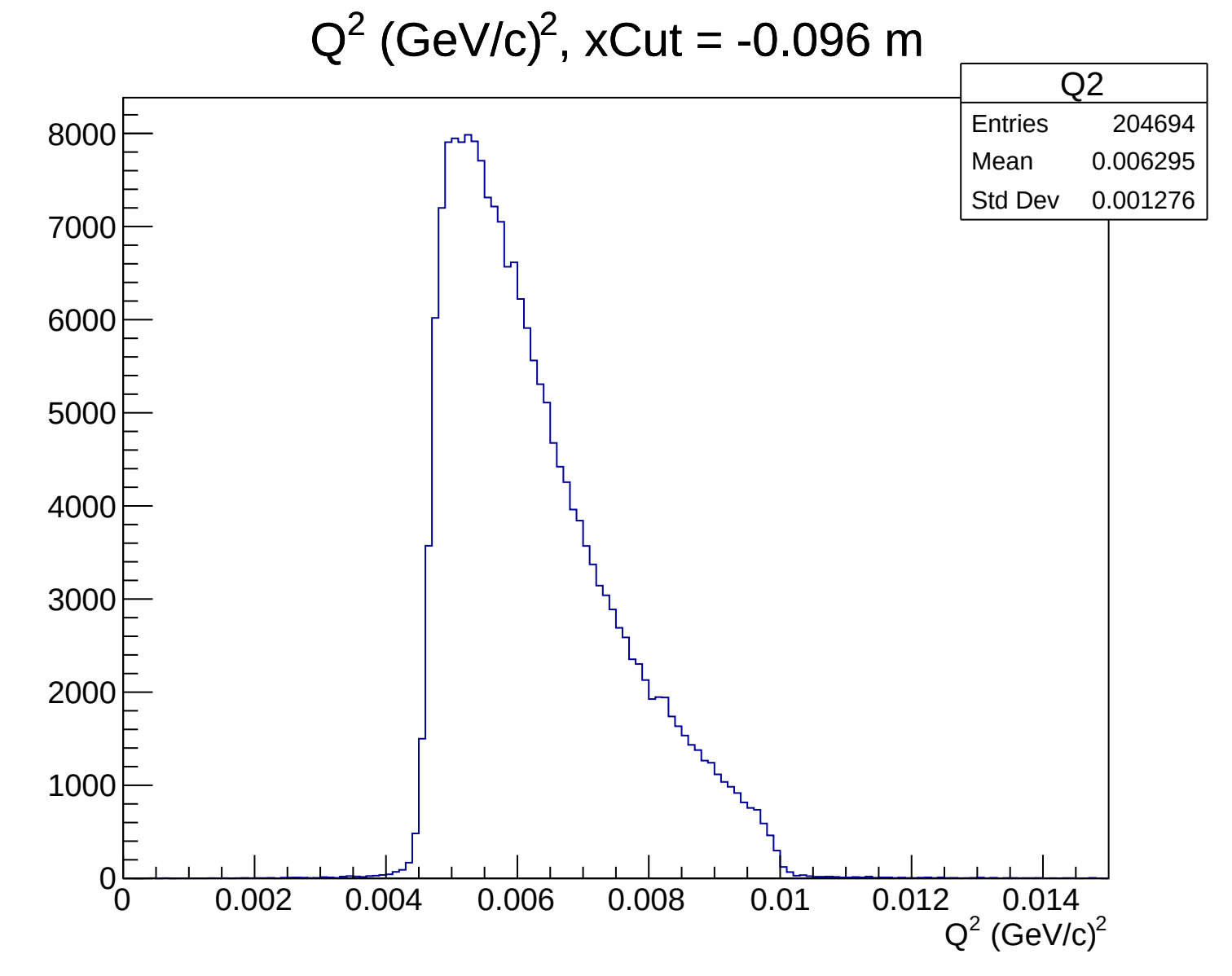

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.096
L.tr.x[0]+1.3*L.tr.th[0] (m)

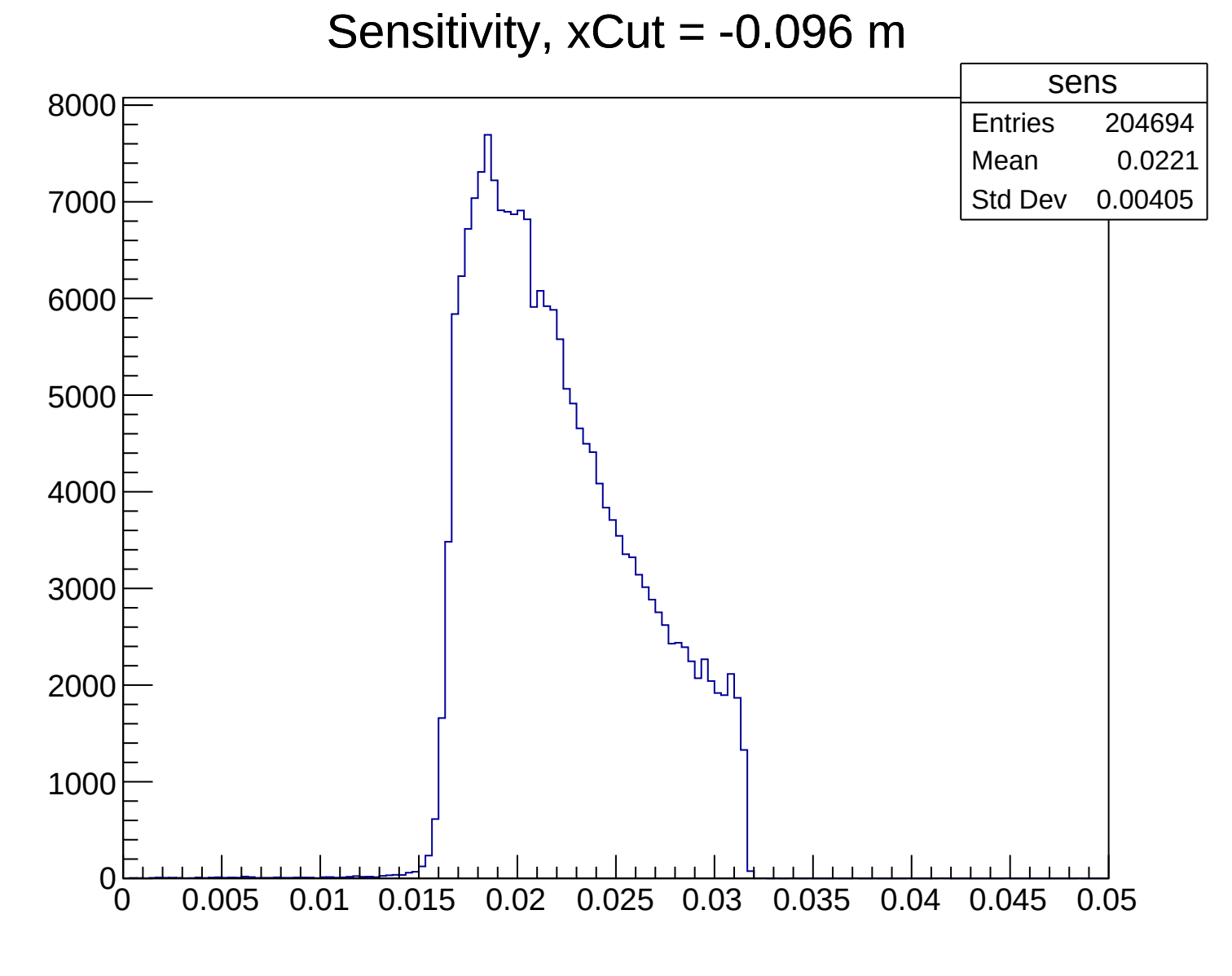

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

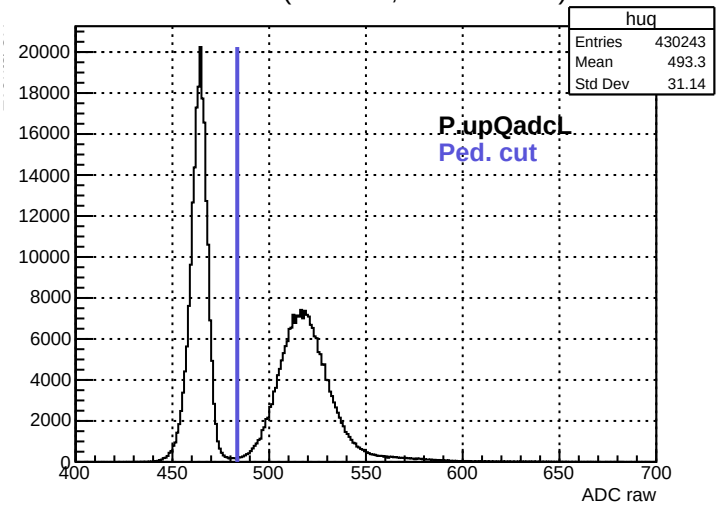

θlab (deg), xCut = -0.096 m
Theta
Entries 204694
Mean 4.774
Std Dev 0.4734
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

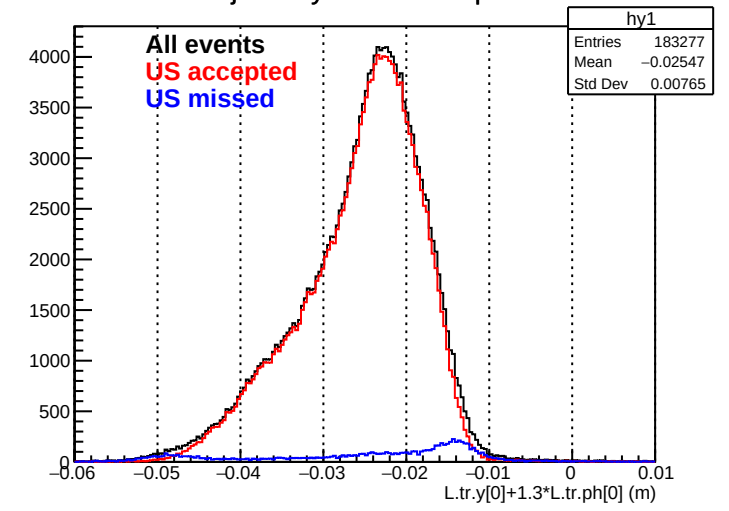

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 204694
Mean 0.5677
Std Dev 0.0833
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

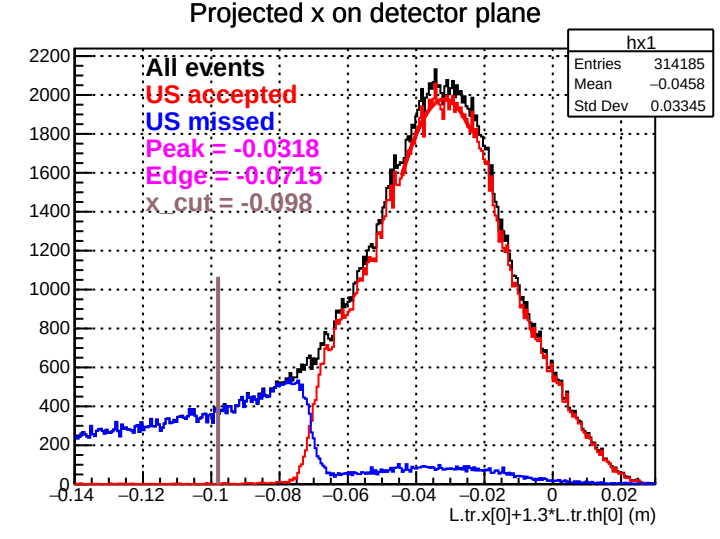

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 204694
Mean 0.5549
Std Dev 0.07943
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

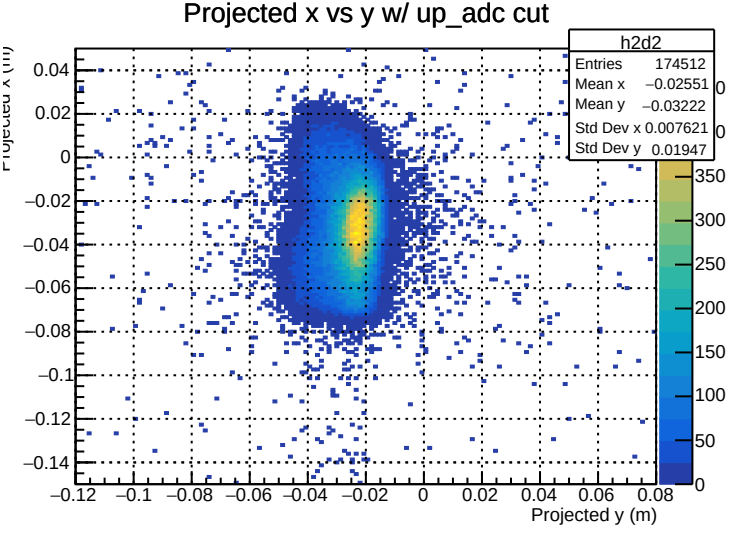

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 204694
Mean 0.006295
Std Dev 0.001276
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

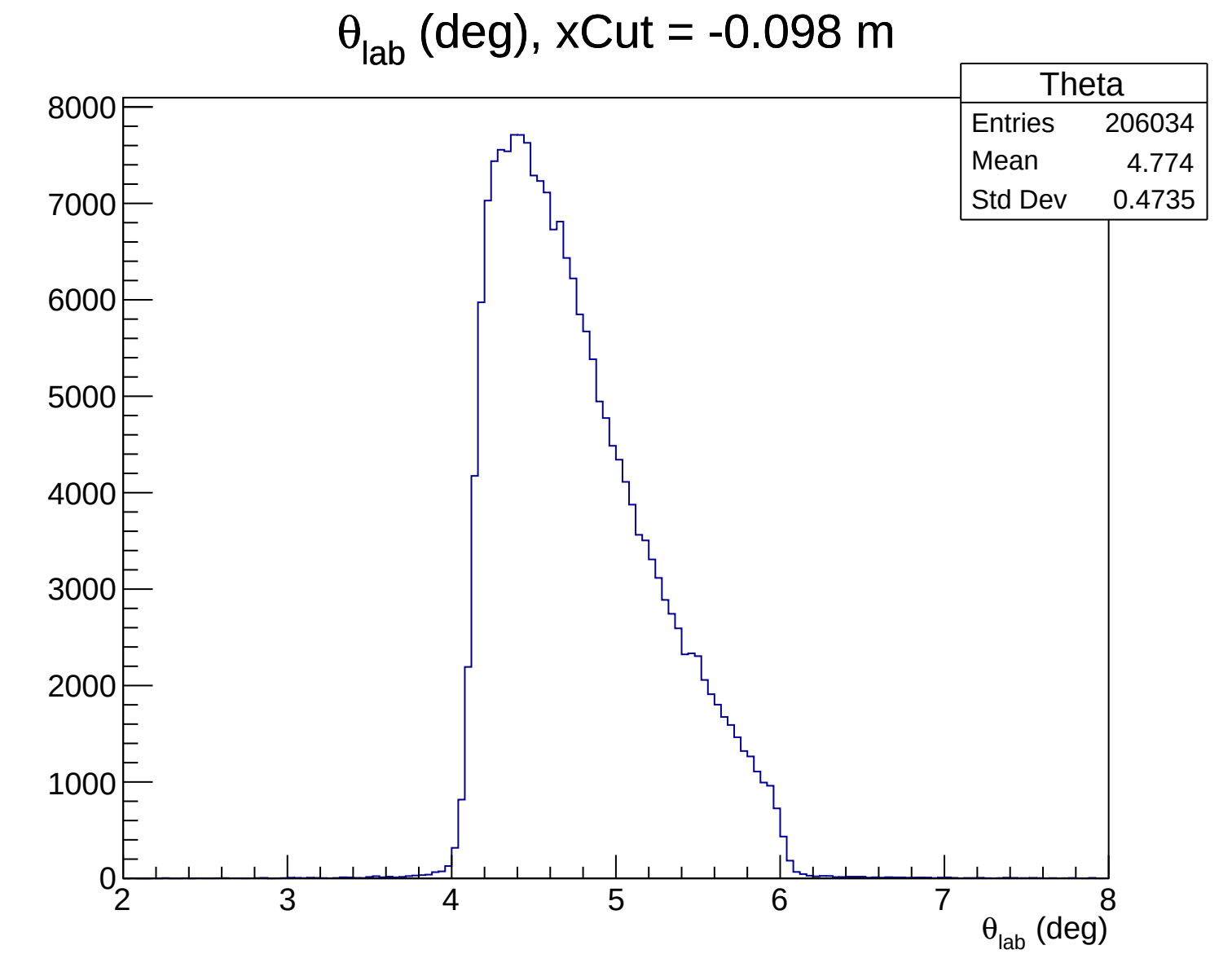

Sensitivity, xCut = -0.096 m
sens
Entries 204694
Mean 0.0221
Std Dev 0.00405
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

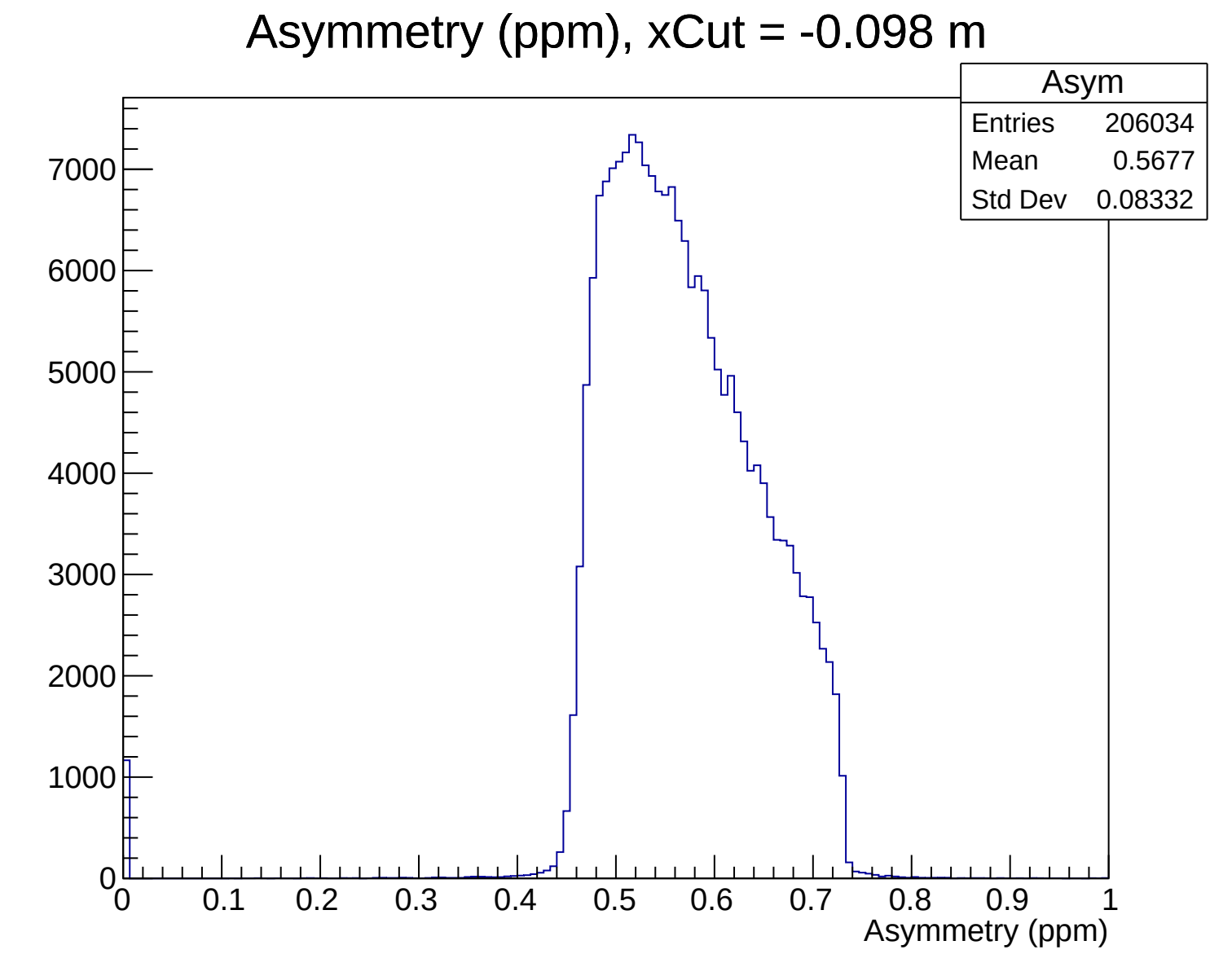

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

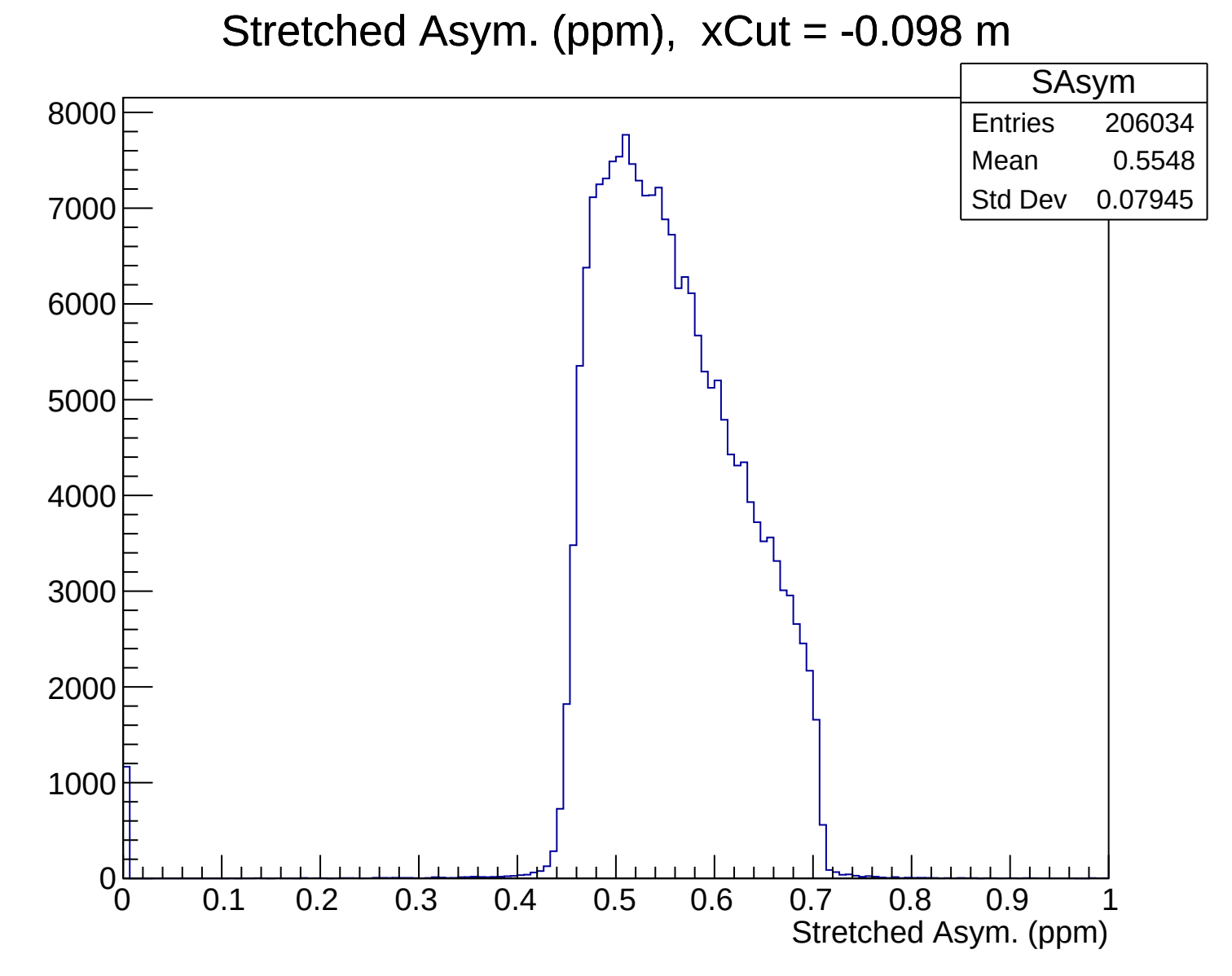

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

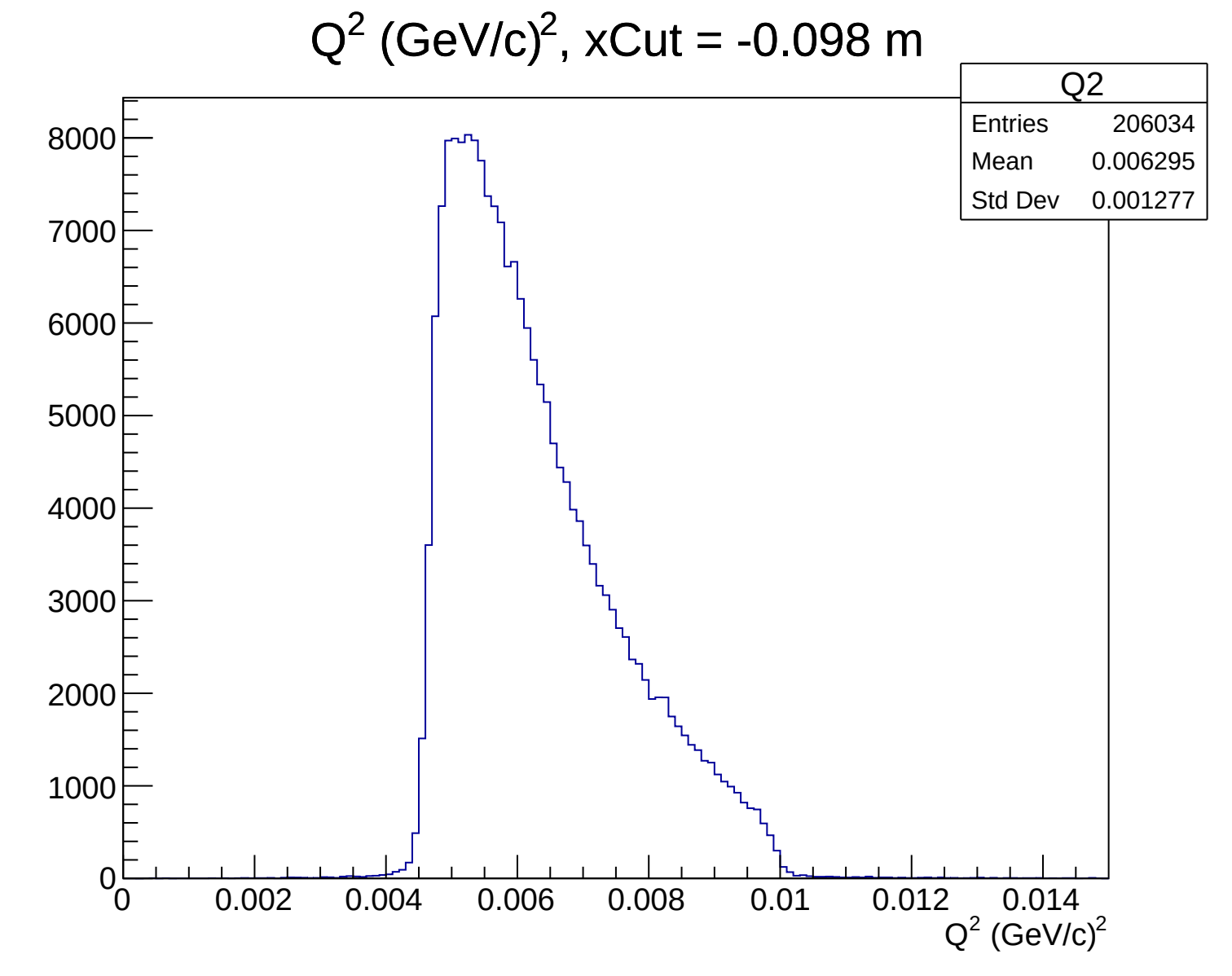

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

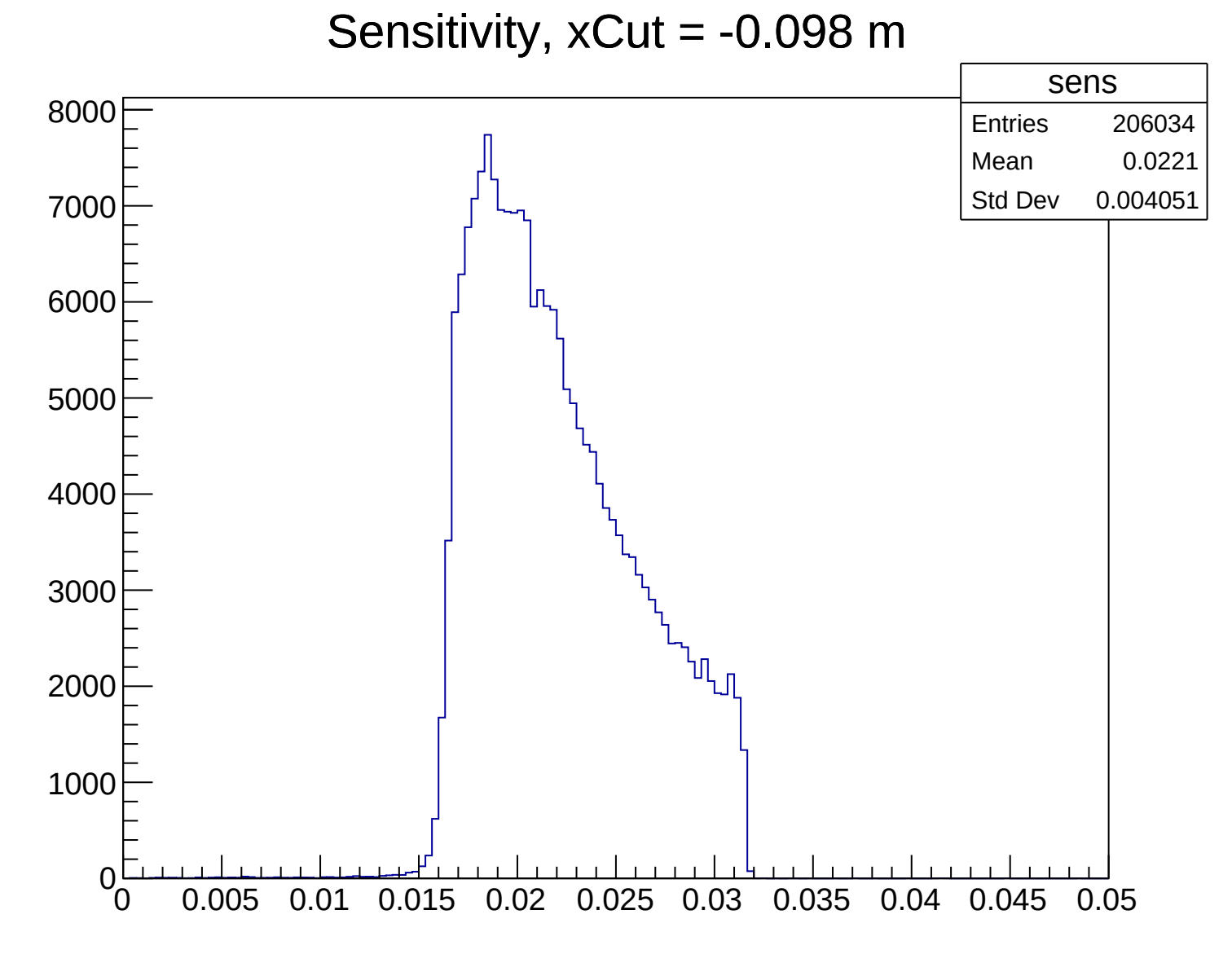

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

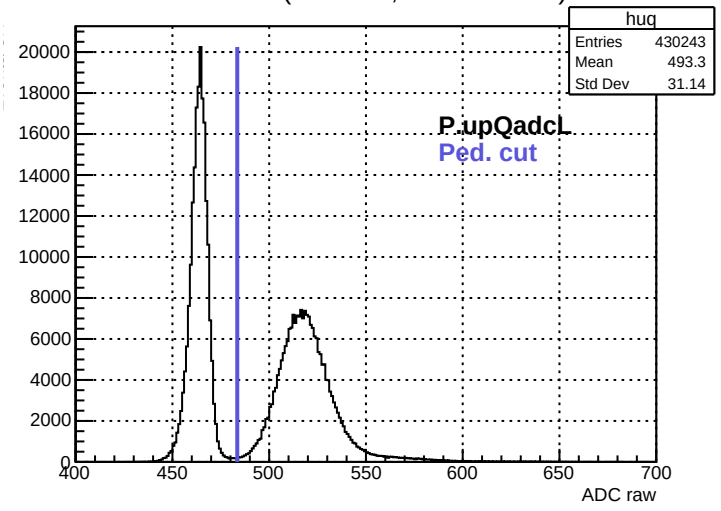

θlab (deg), xCut = -0.098 m
Theta
Entries 206034
Mean 4.774
Std Dev 0.4735
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

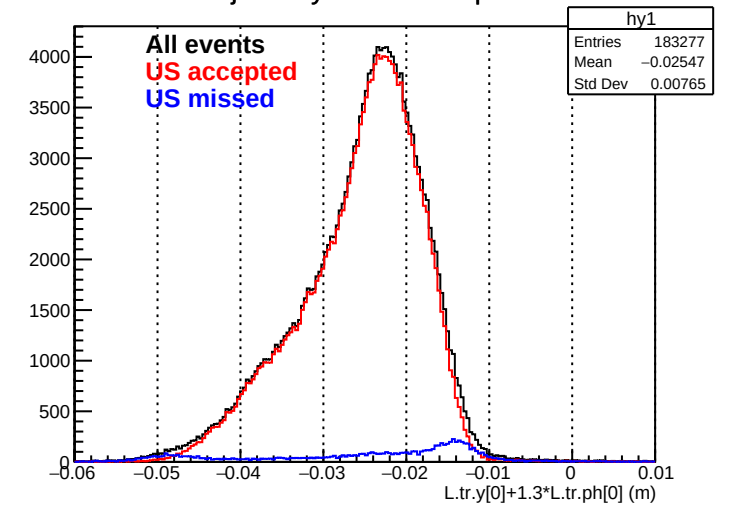

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 206034
Mean 0.5677
Std Dev 0.08332
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

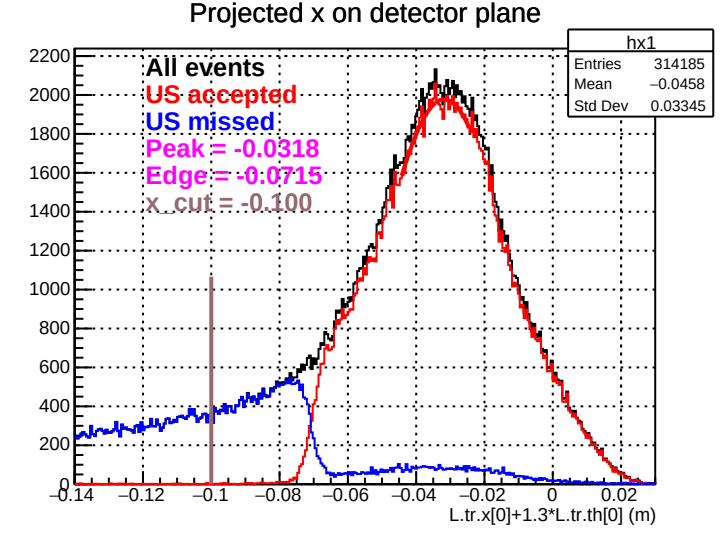

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 206034
Mean 0.5548
Std Dev 0.07945
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

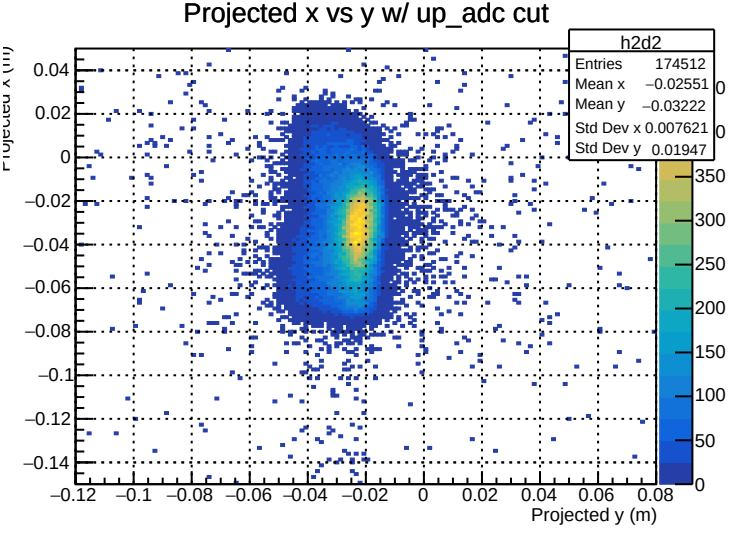

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 206034
Mean 0.006295
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

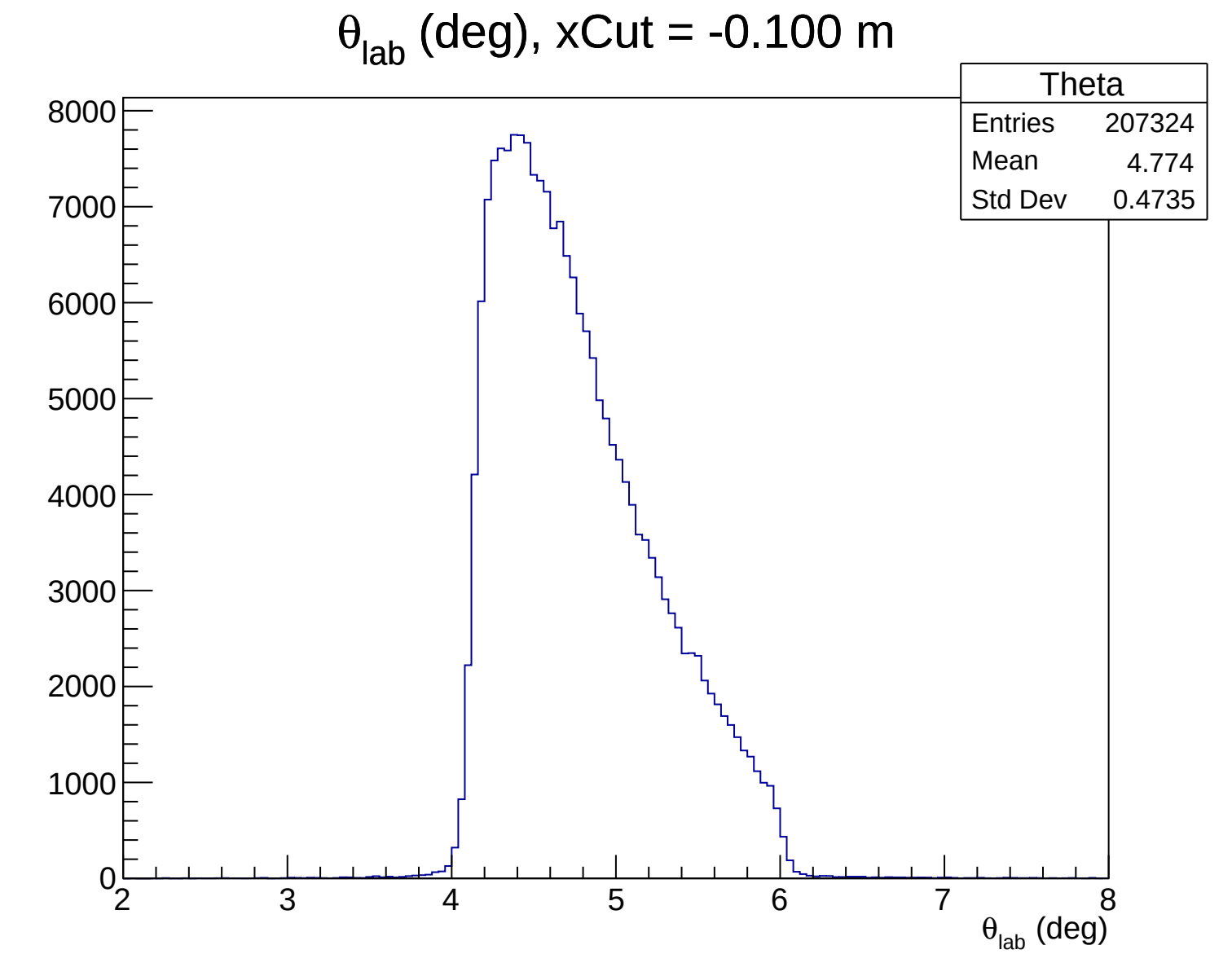

Sensitivity, xCut = -0.098 m
sens
Entries 206034
Mean 0.0221
Std Dev 0.004051
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

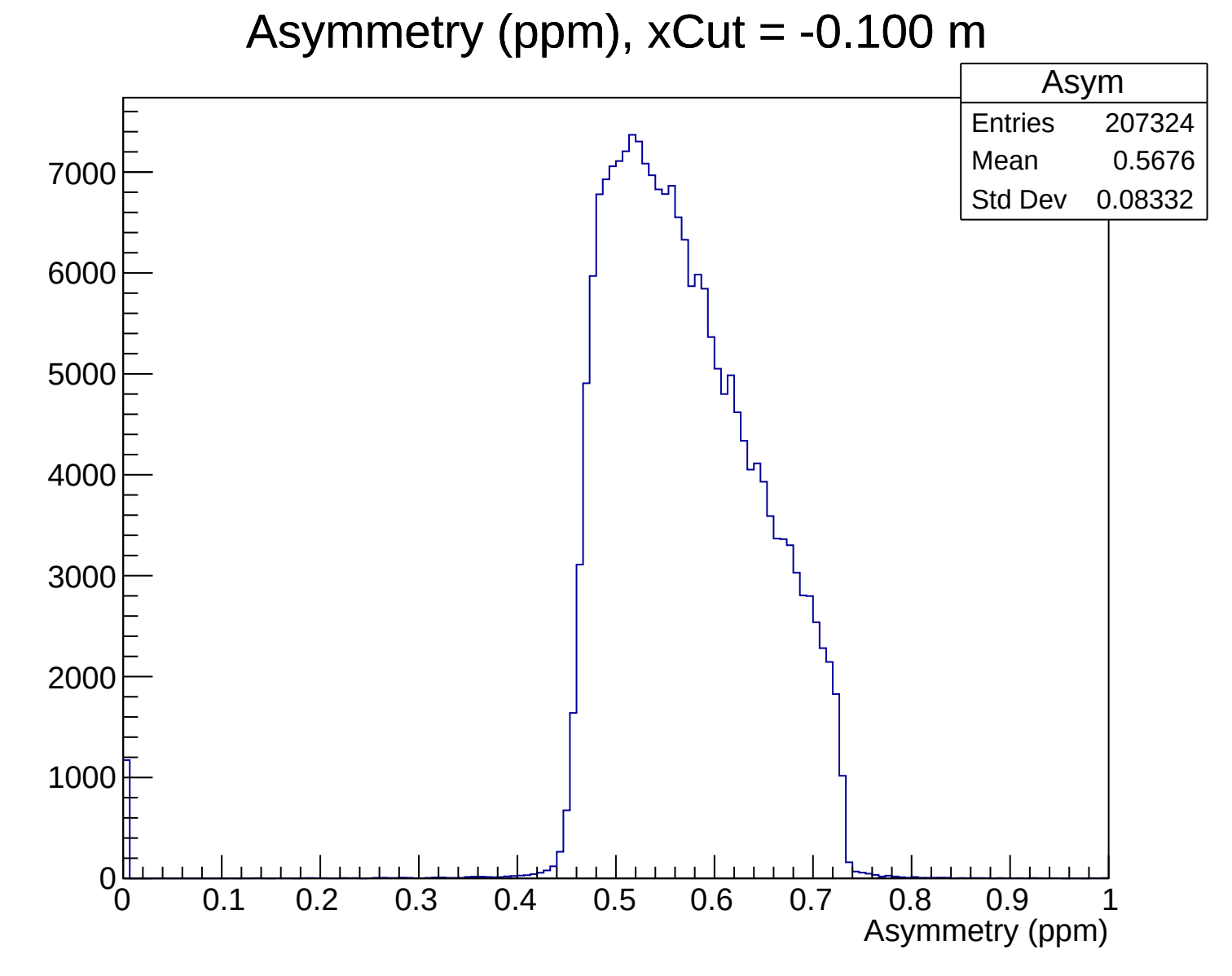

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

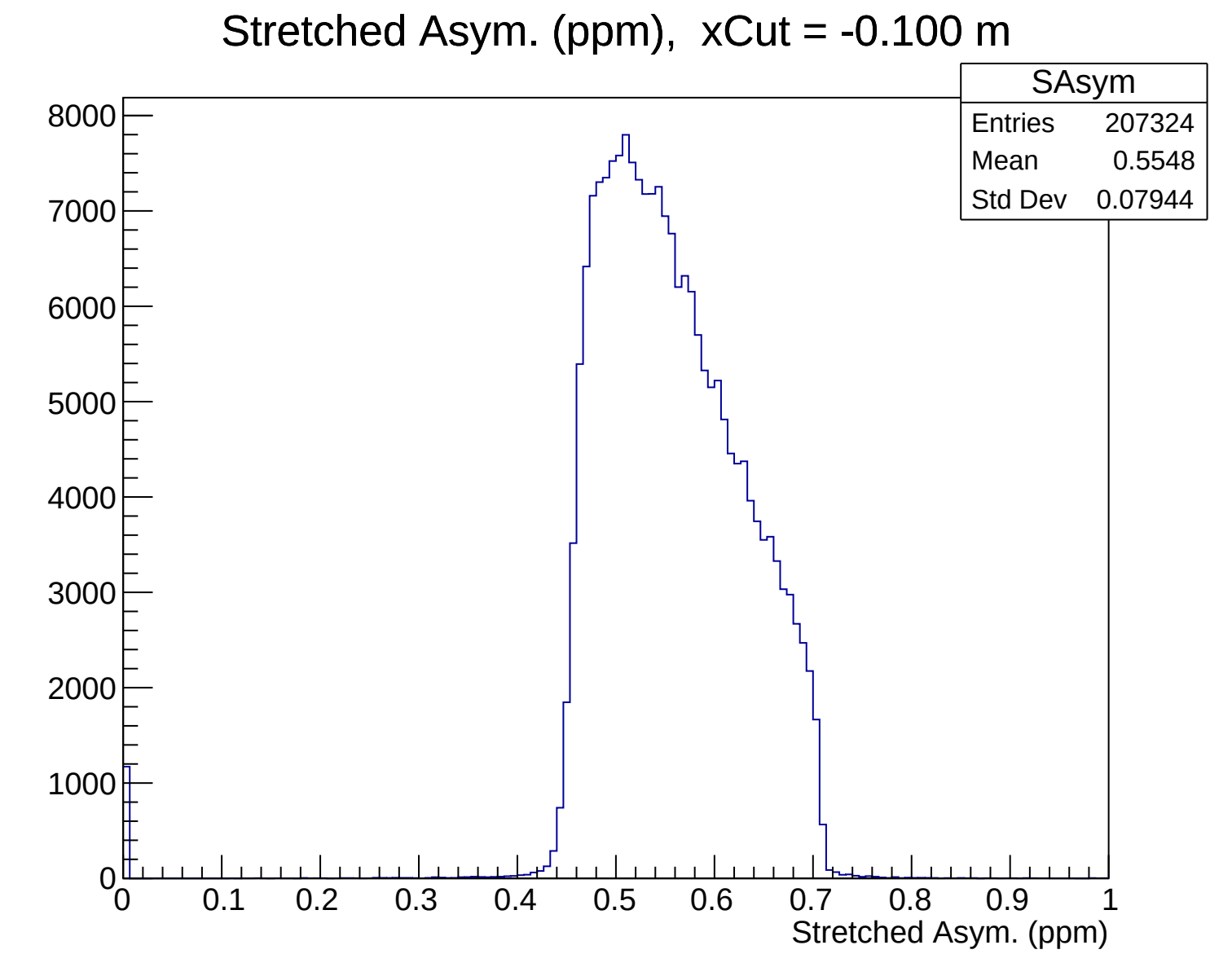

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

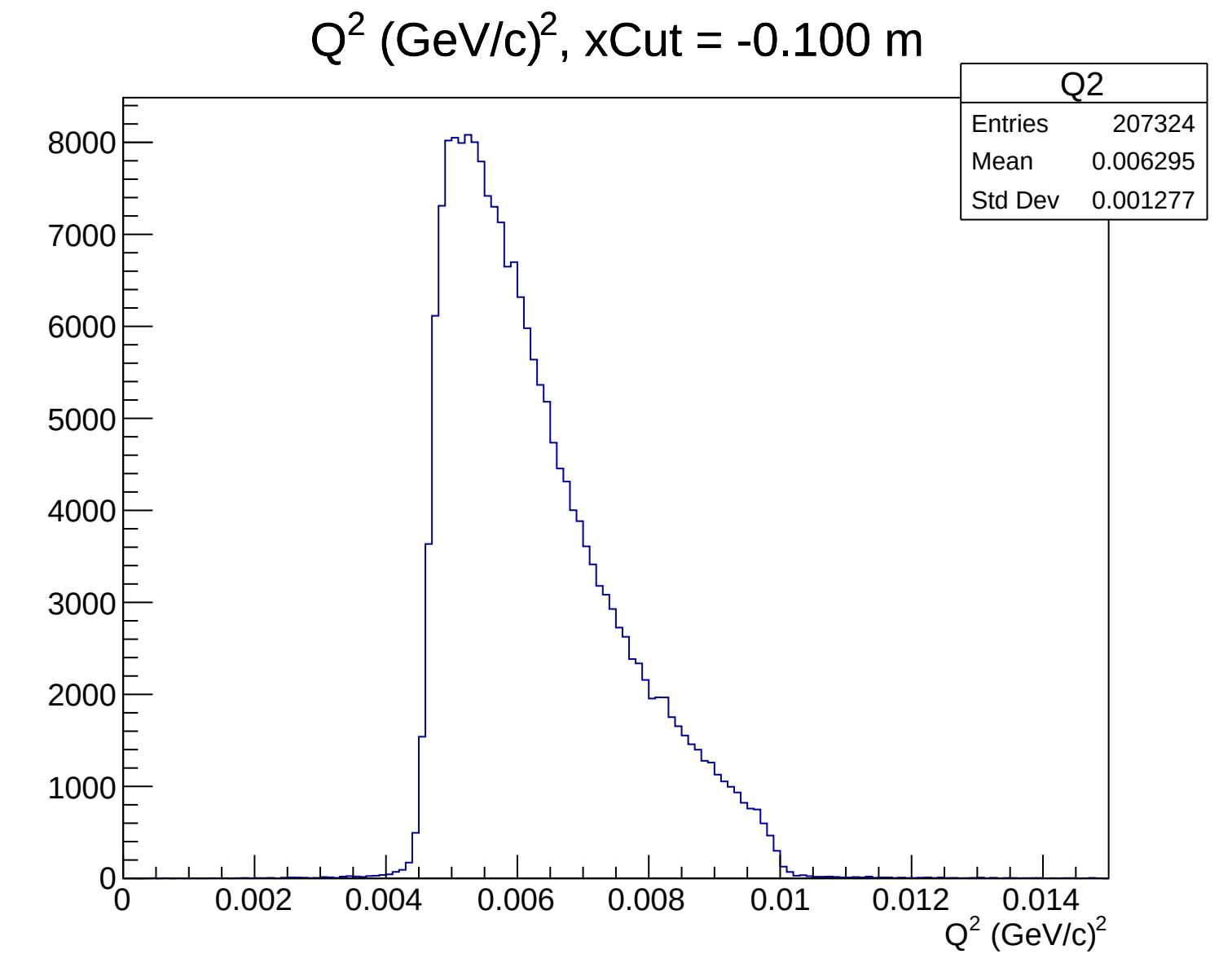

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

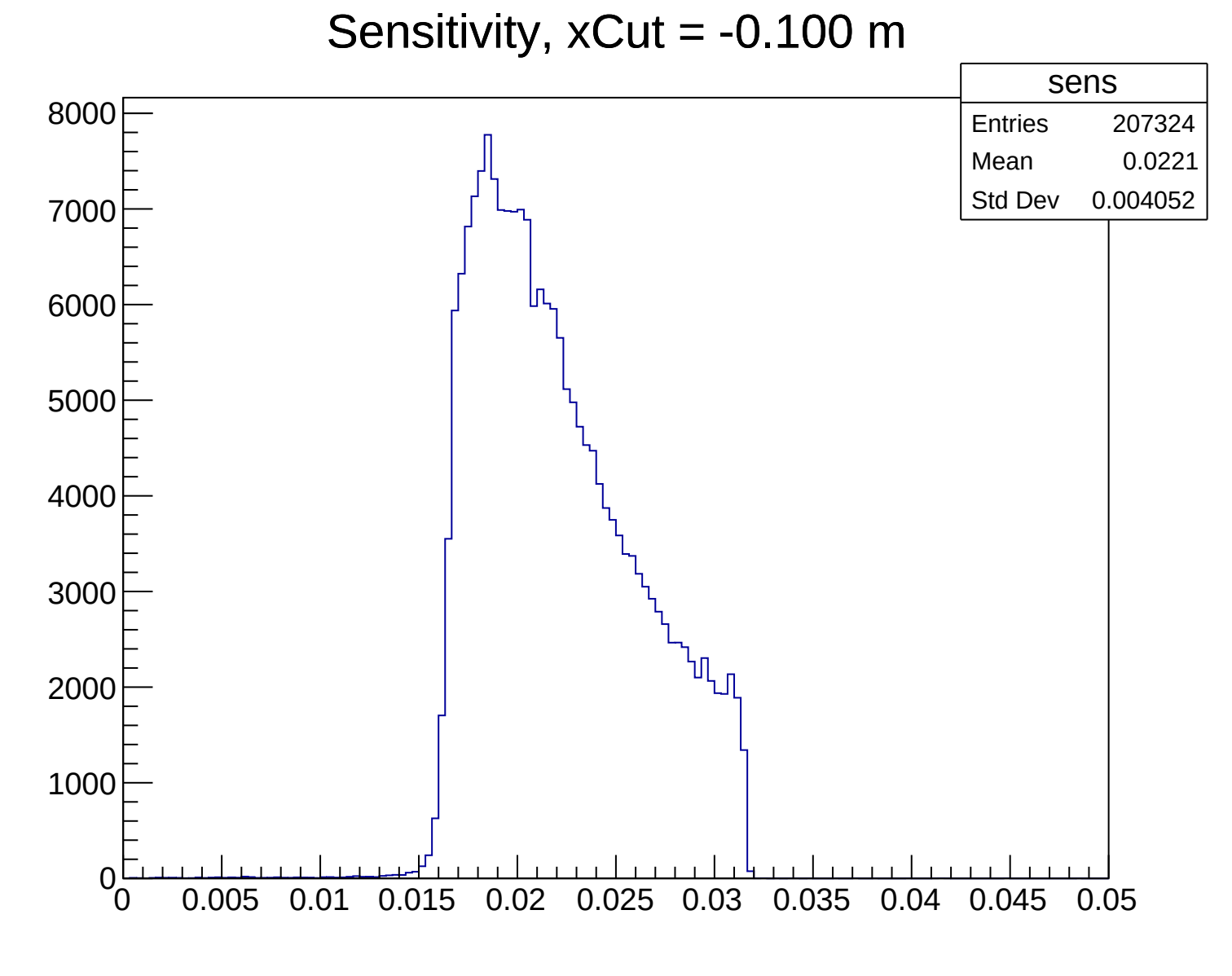

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

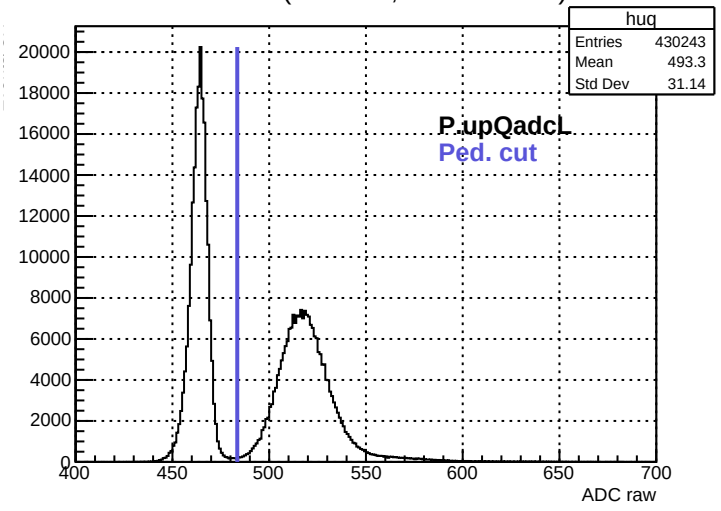

θlab (deg), xCut = -0.100 m
Theta
Entries 207324
Mean 4.774
Std Dev 0.4735
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

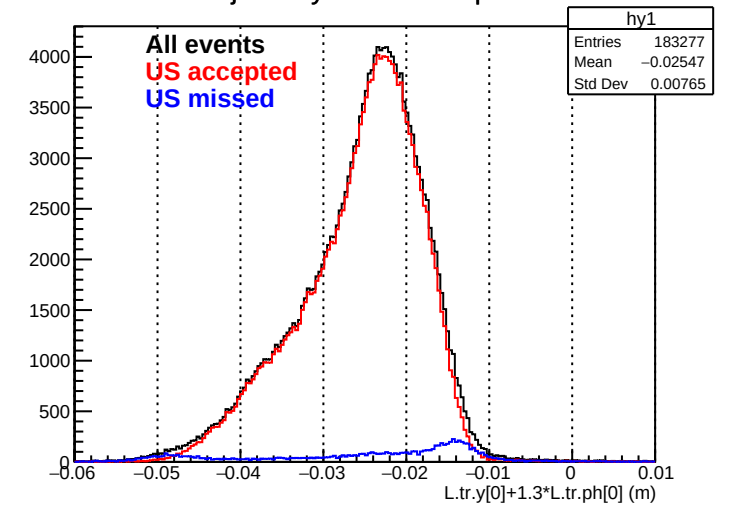

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 207324
Mean 0.5676
Std Dev 0.08332
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

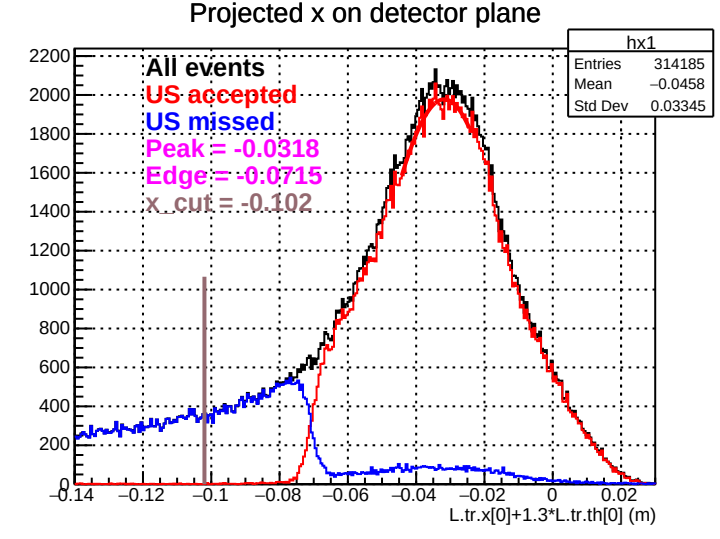

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 207324
Mean 0.5548
Std Dev 0.07944
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

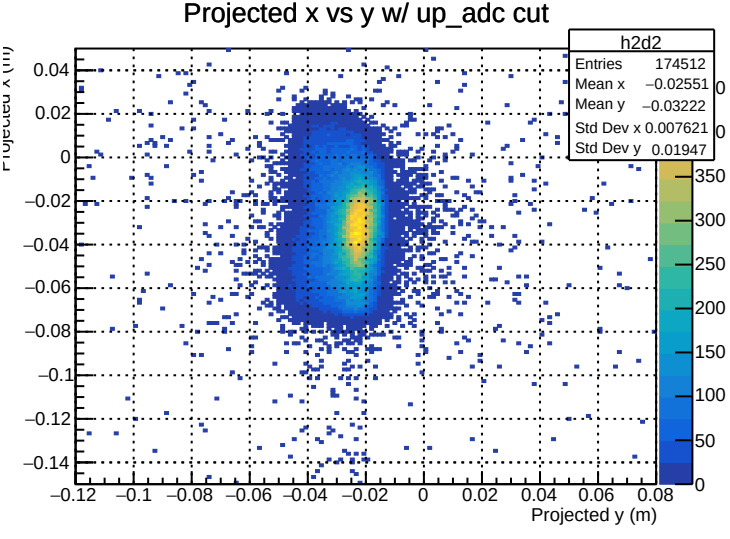

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 207324
Mean 0.006295
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

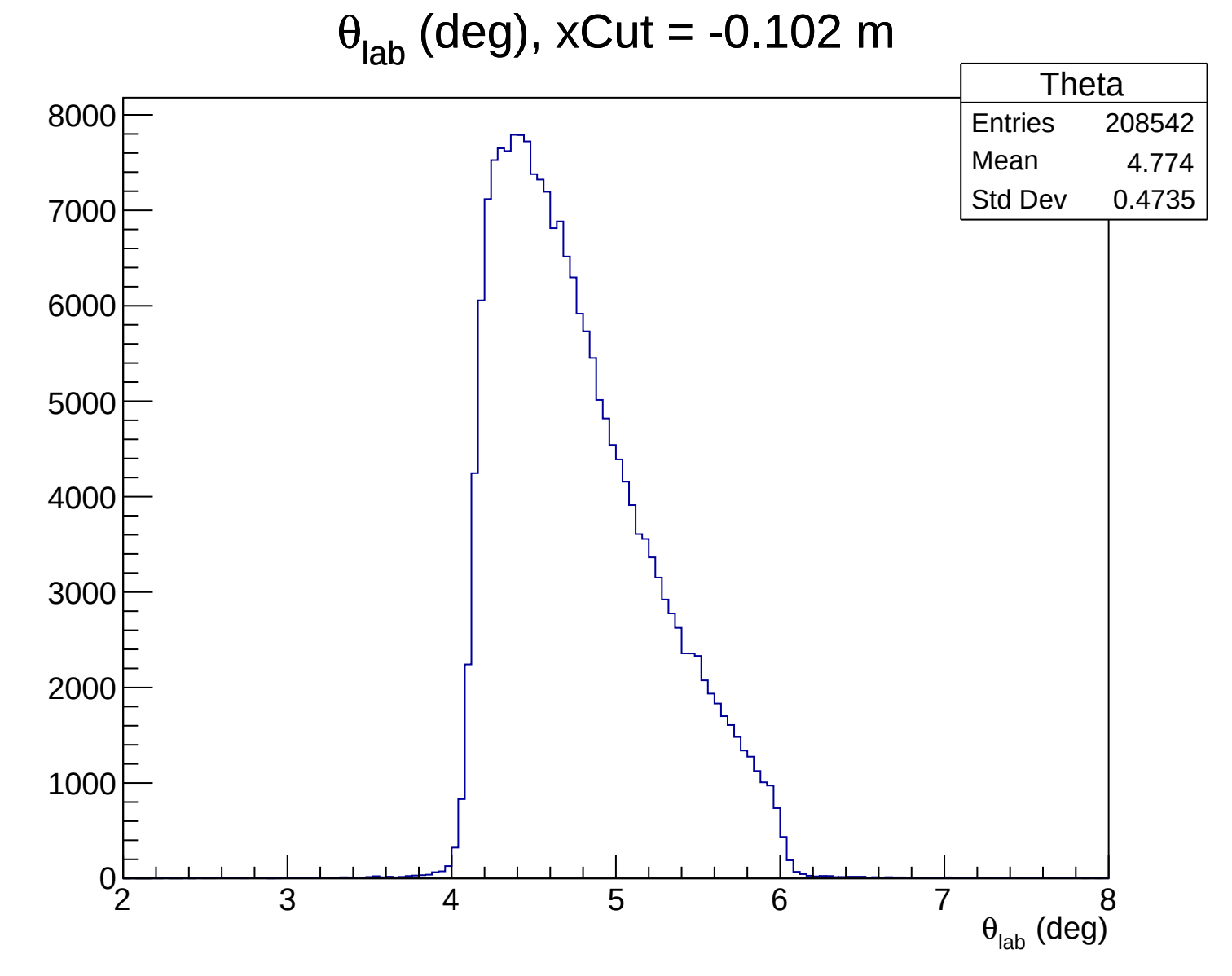

Sensitivity, xCut = -0.100 m
sens
Entries 207324
Mean 0.0221
Std Dev 0.004052
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

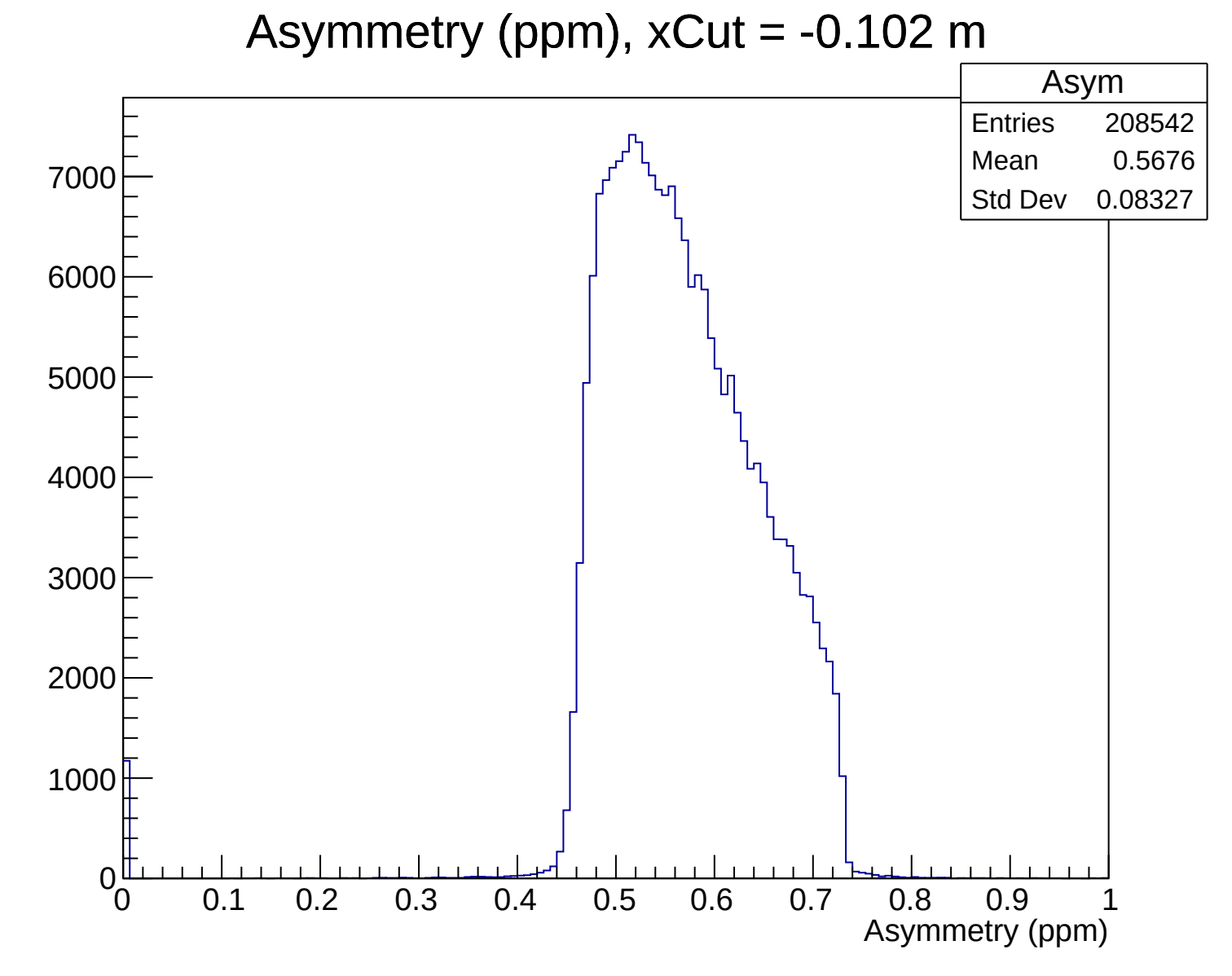

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

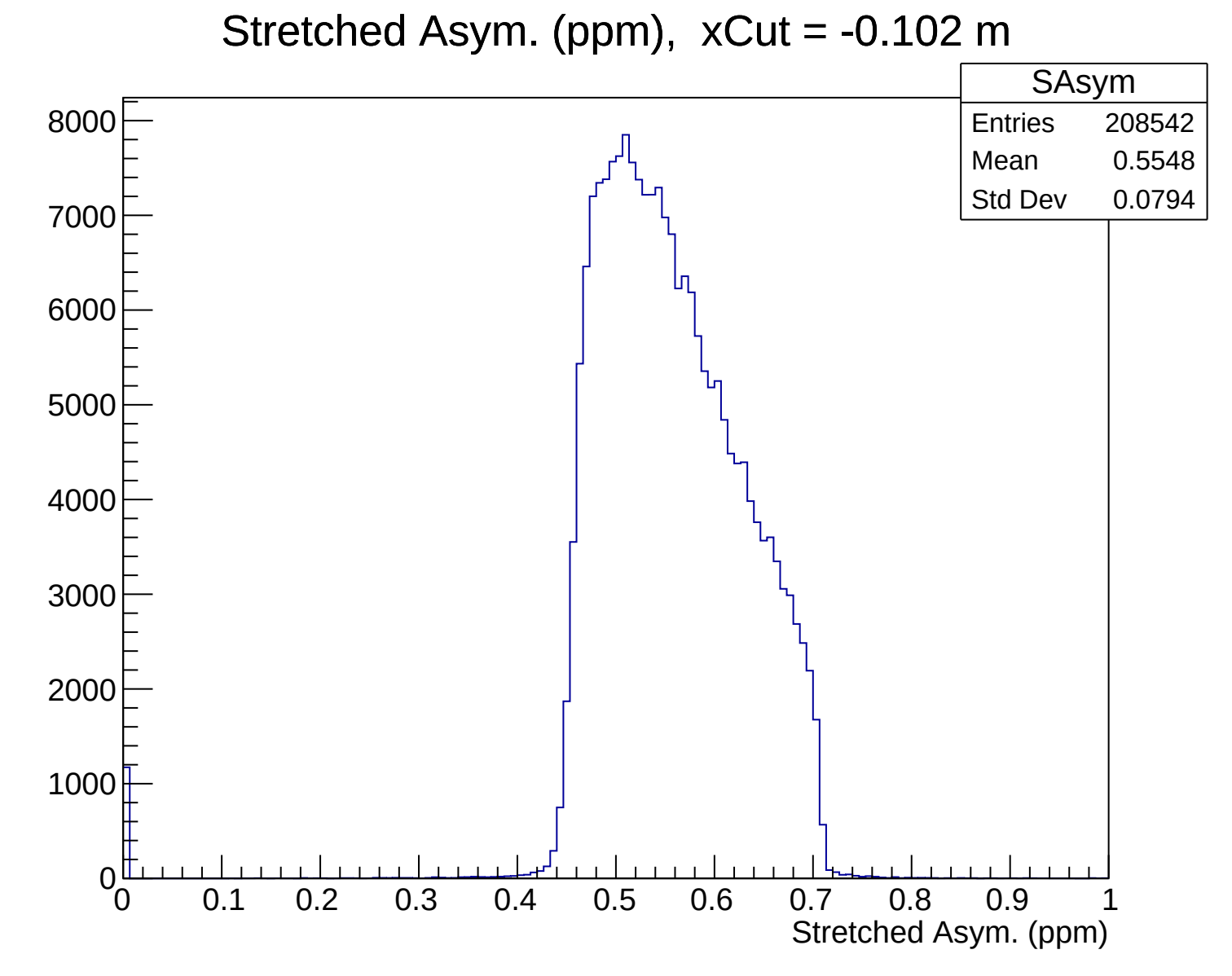

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

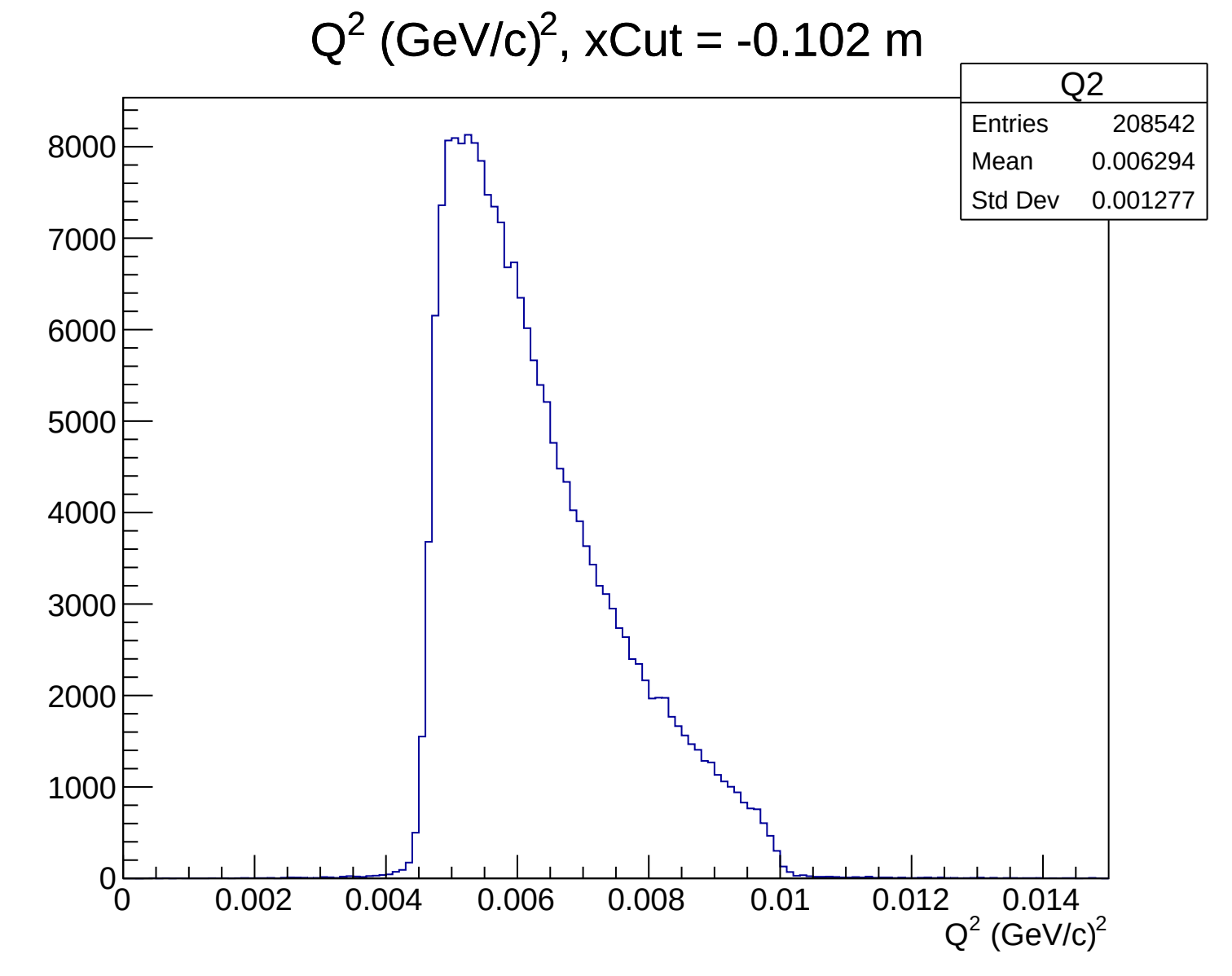

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.102
L.tr.x[0]+1.3*L.tr.th[0] (m)

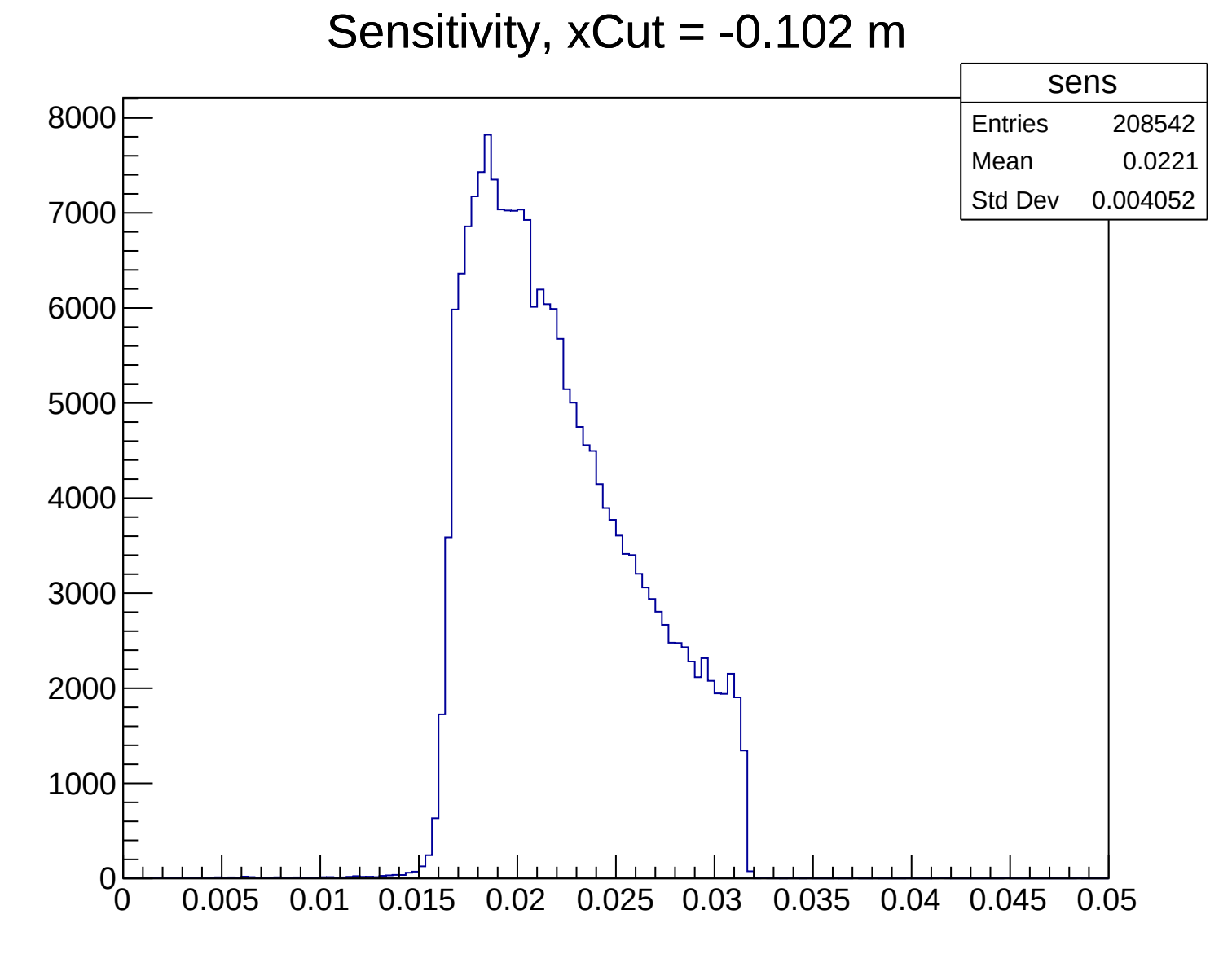

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

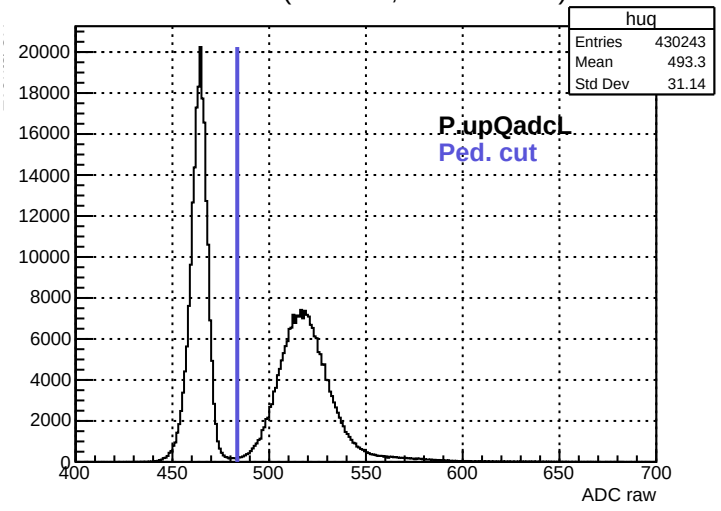

θlab (deg), xCut = -0.102 m
Theta
Entries 208542
Mean 4.774
Std Dev 0.4735
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

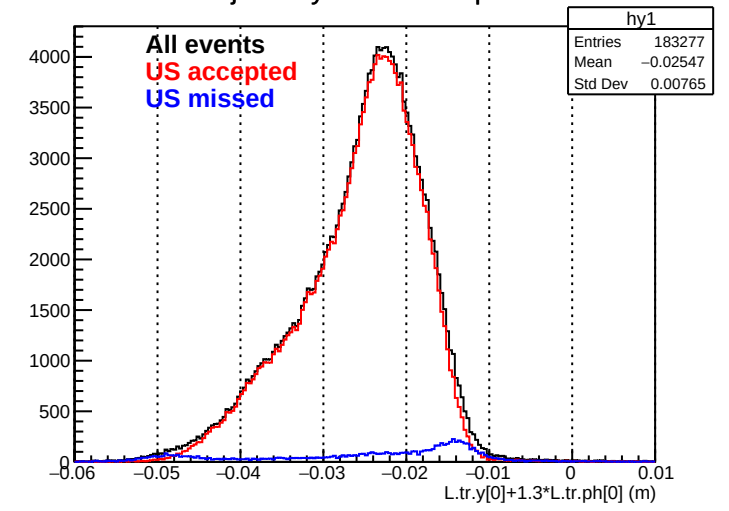

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 208542
Mean 0.5676
Std Dev 0.08327
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

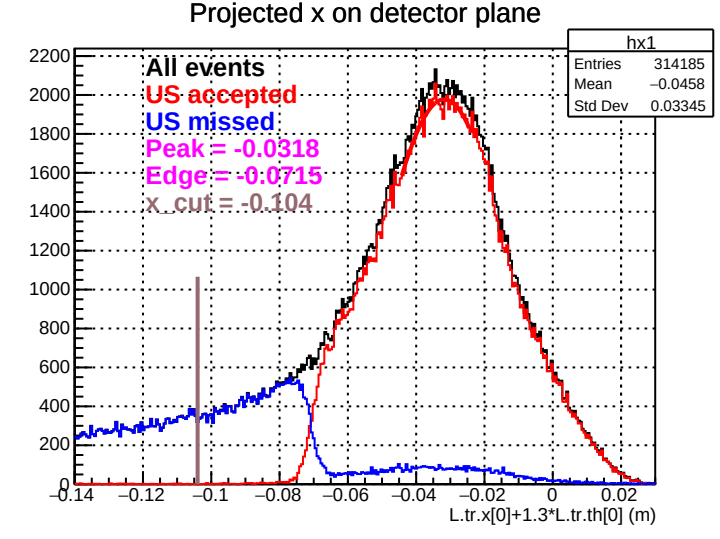

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 208542
Mean 0.5548
Std Dev 0.0794
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

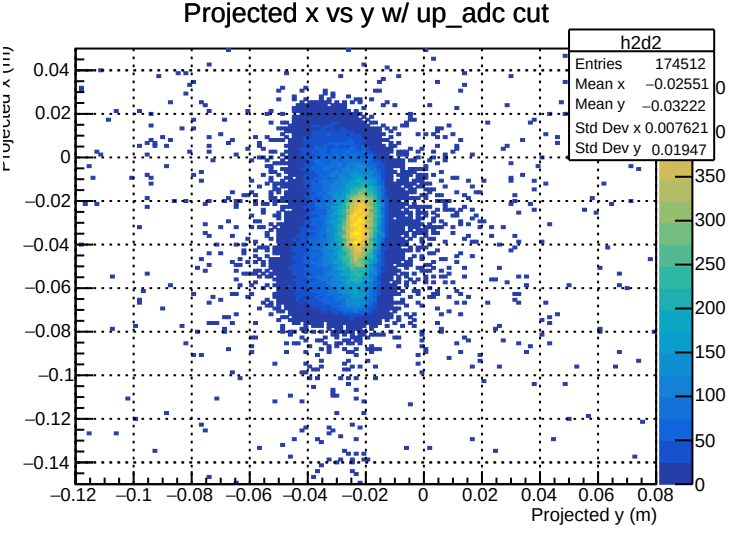

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 208542
Mean 0.006294
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

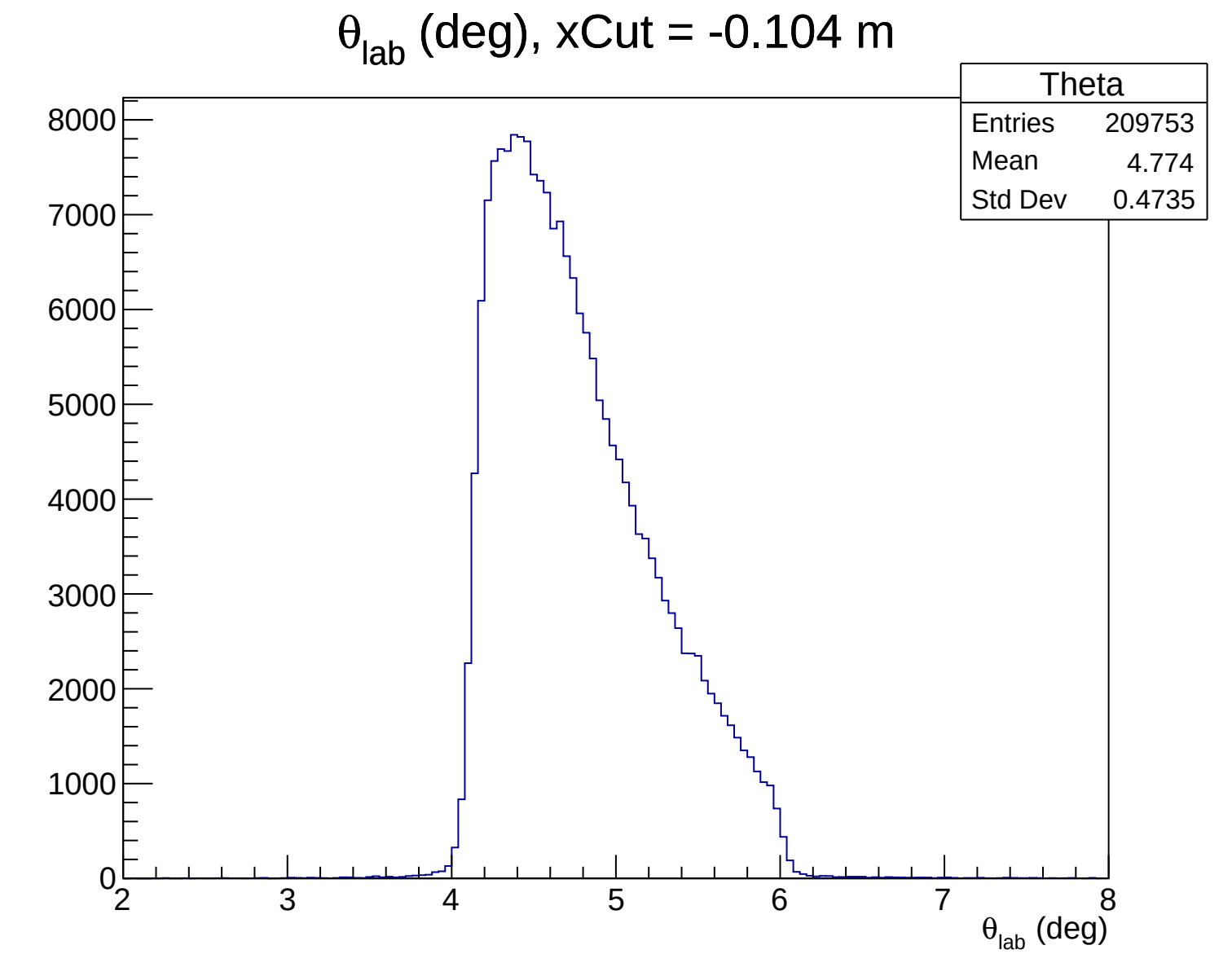

Sensitivity, xCut = -0.102 m
sens
Entries 208542
Mean 0.0221
Std Dev 0.004052
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

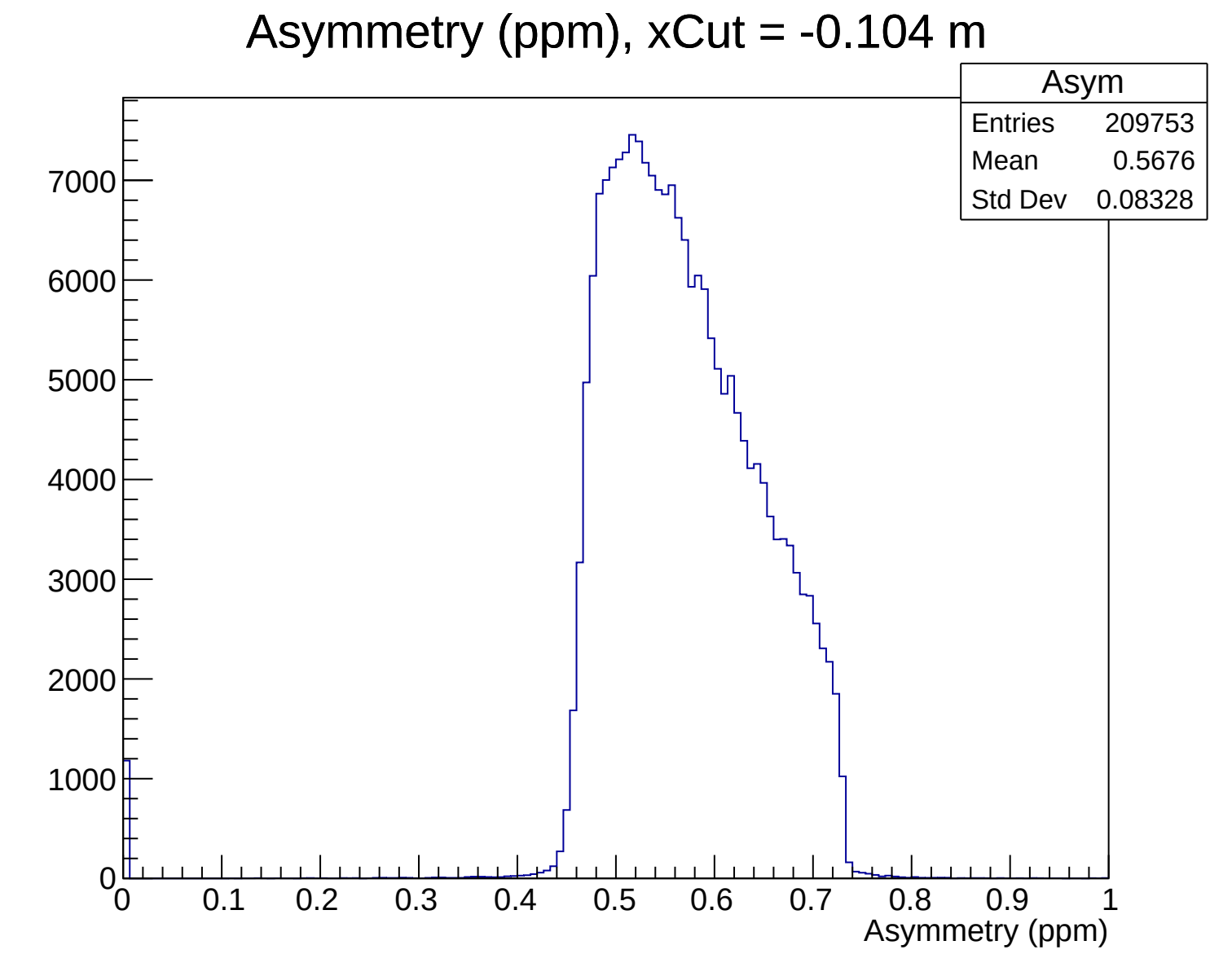

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

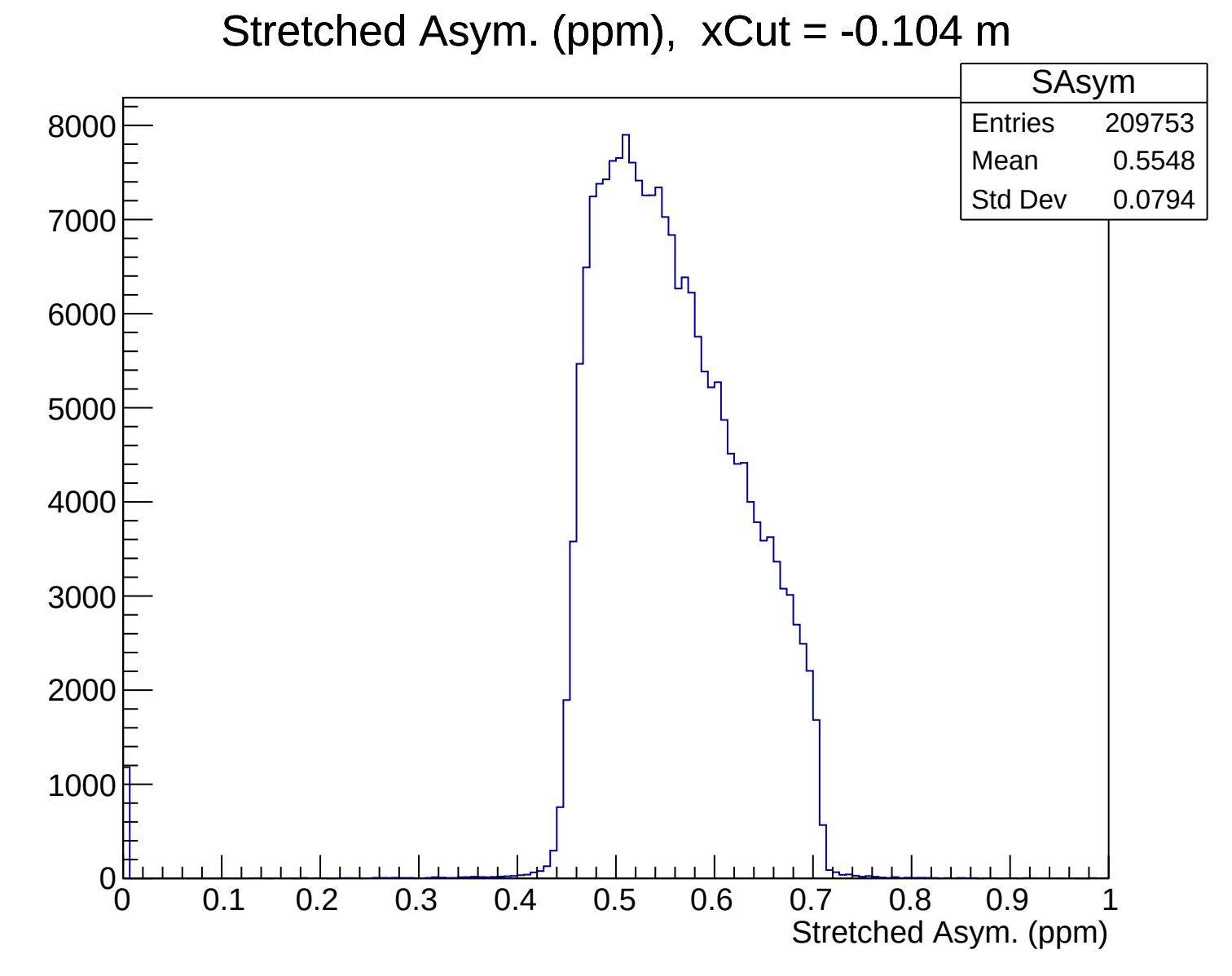

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

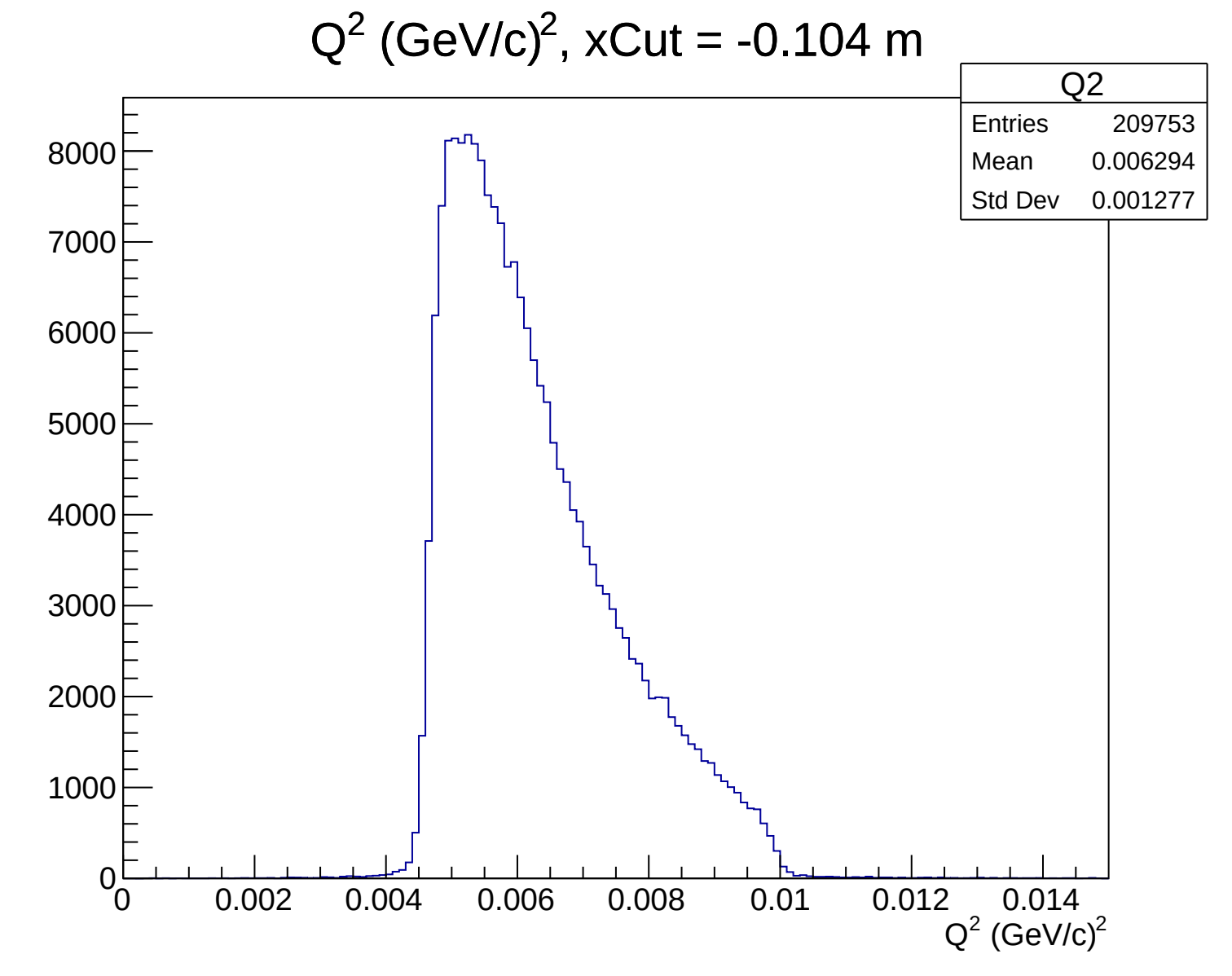

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

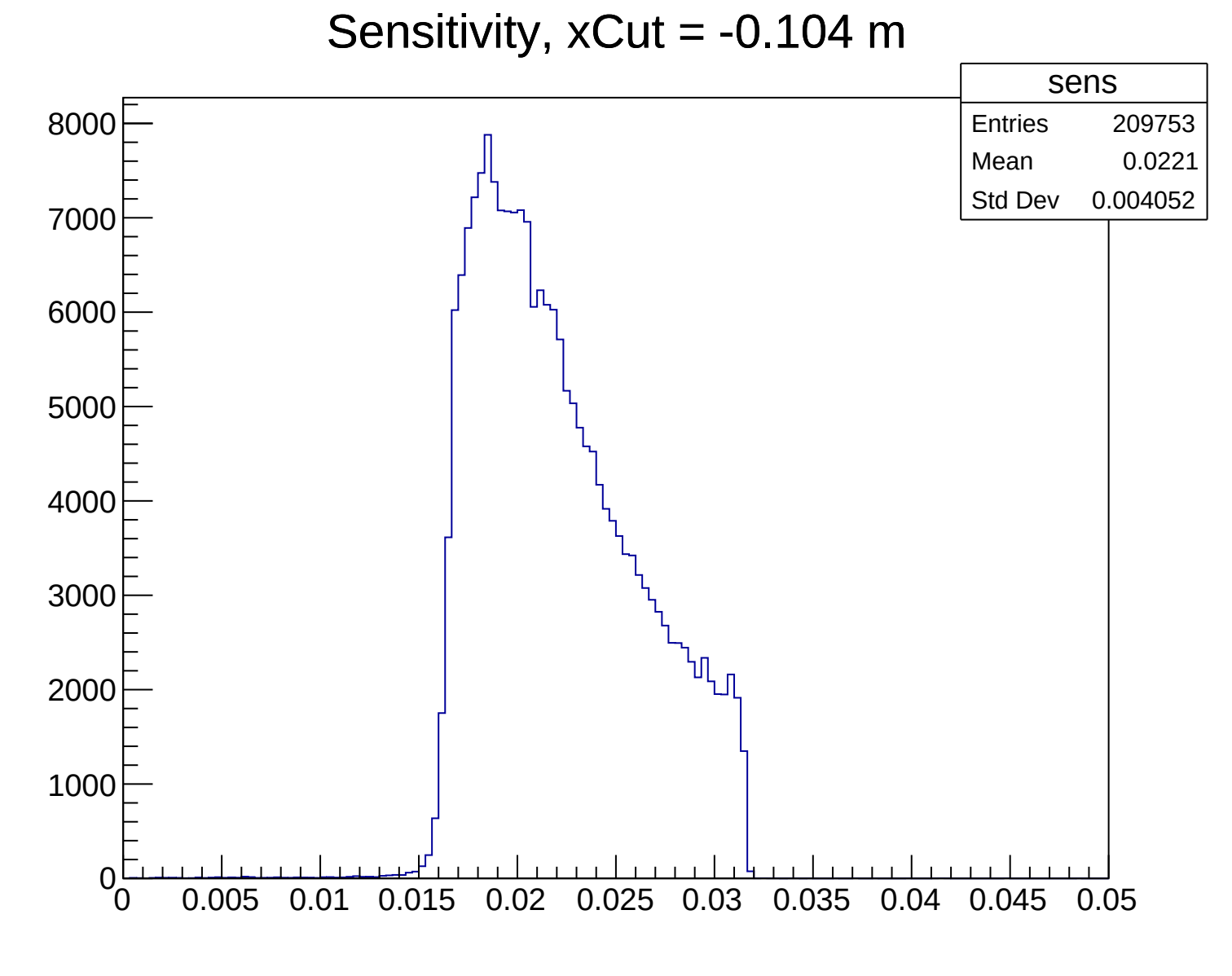

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

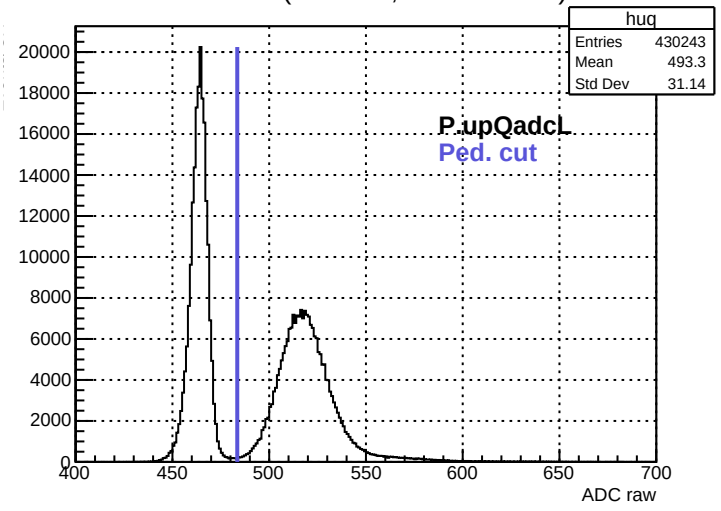

θlab (deg), xCut = -0.104 m
Theta
Entries 209753
Mean 4.774
Std Dev 0.4735
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

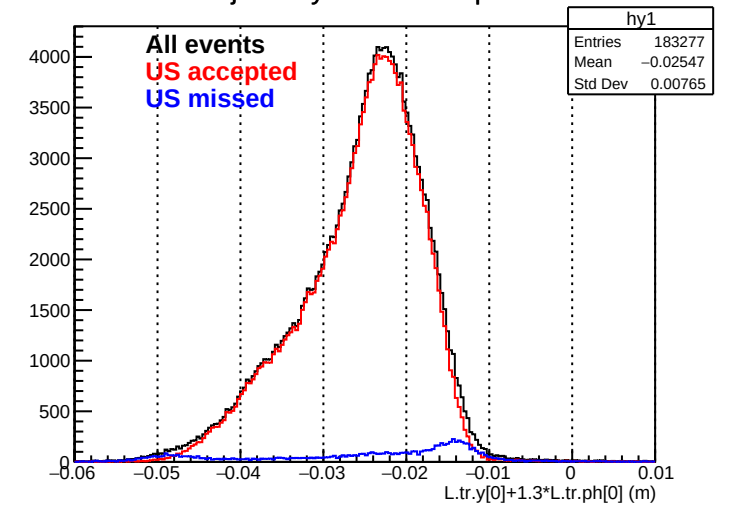

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 209753
Mean 0.5676
Std Dev 0.08328
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

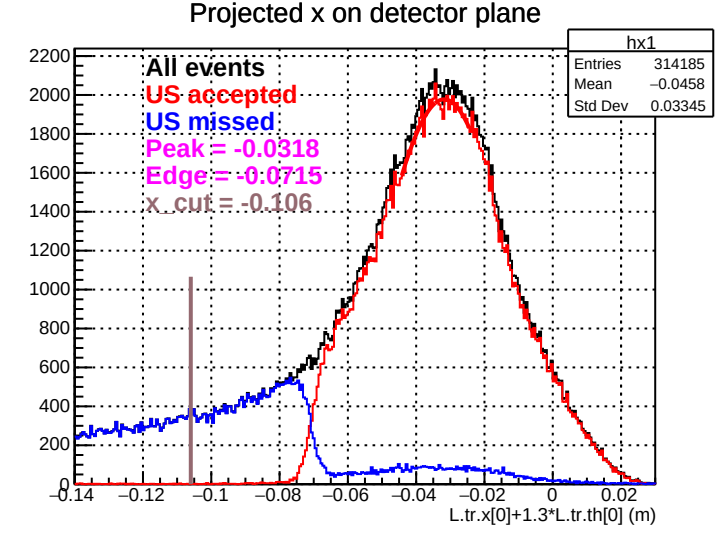

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 209753
Mean 0.5548
Std Dev 0.0794
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

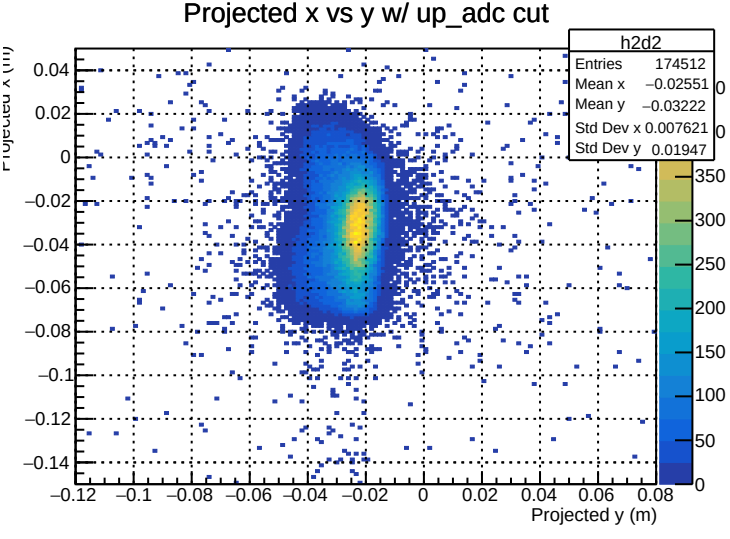

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 209753
Mean 0.006294
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

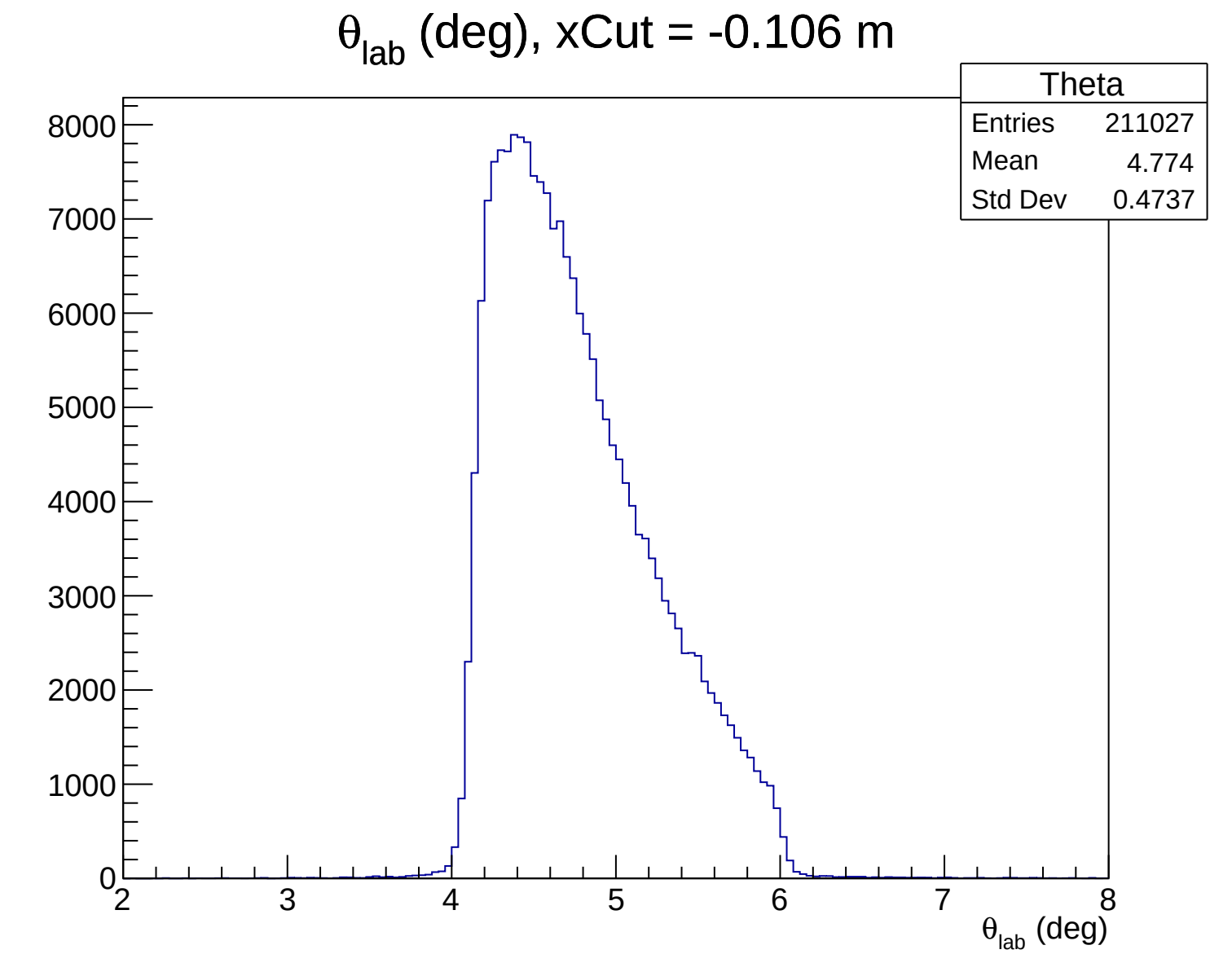

Sensitivity, xCut = -0.104 m
sens
Entries 209753
Mean 0.0221
Std Dev 0.004052
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

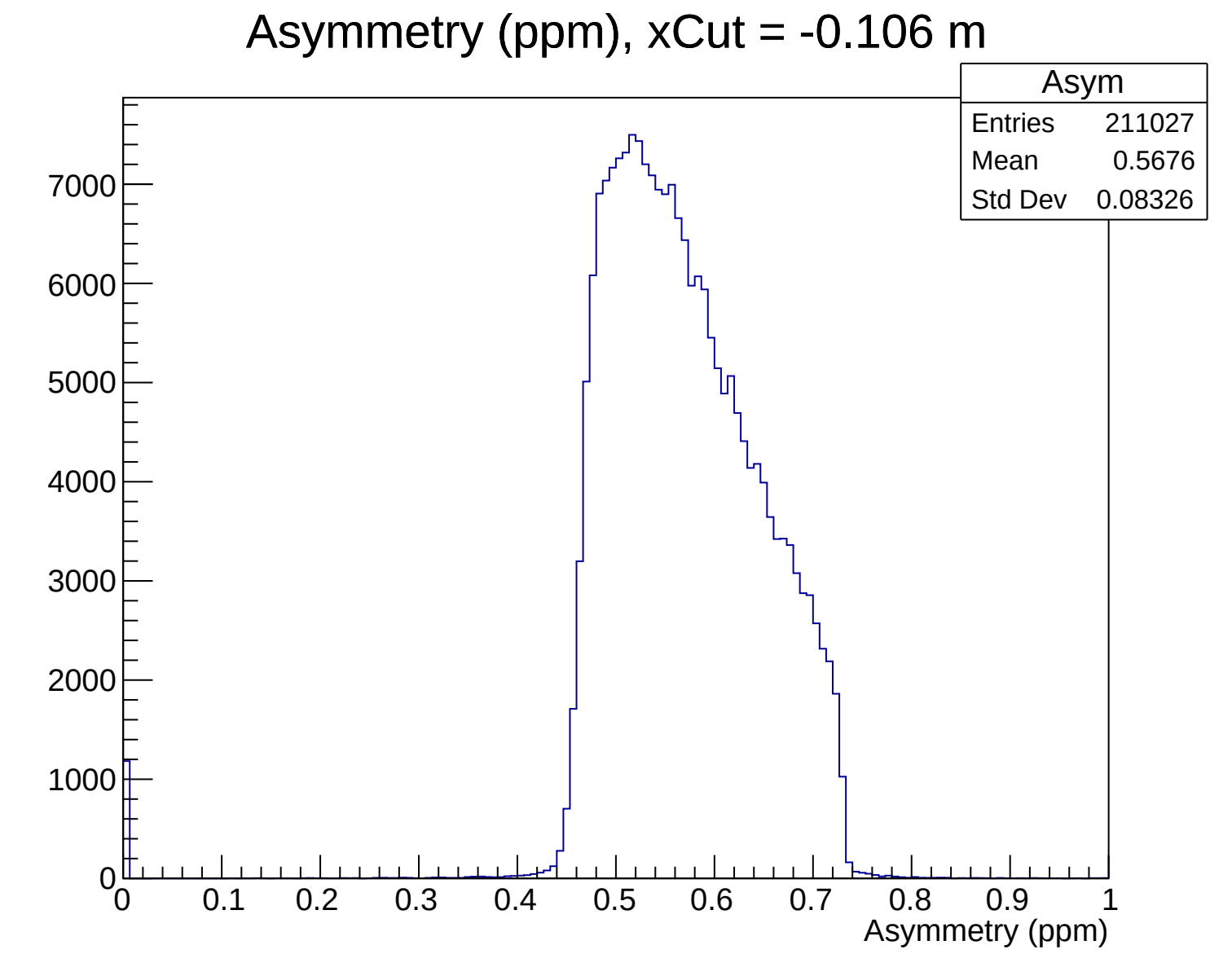

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

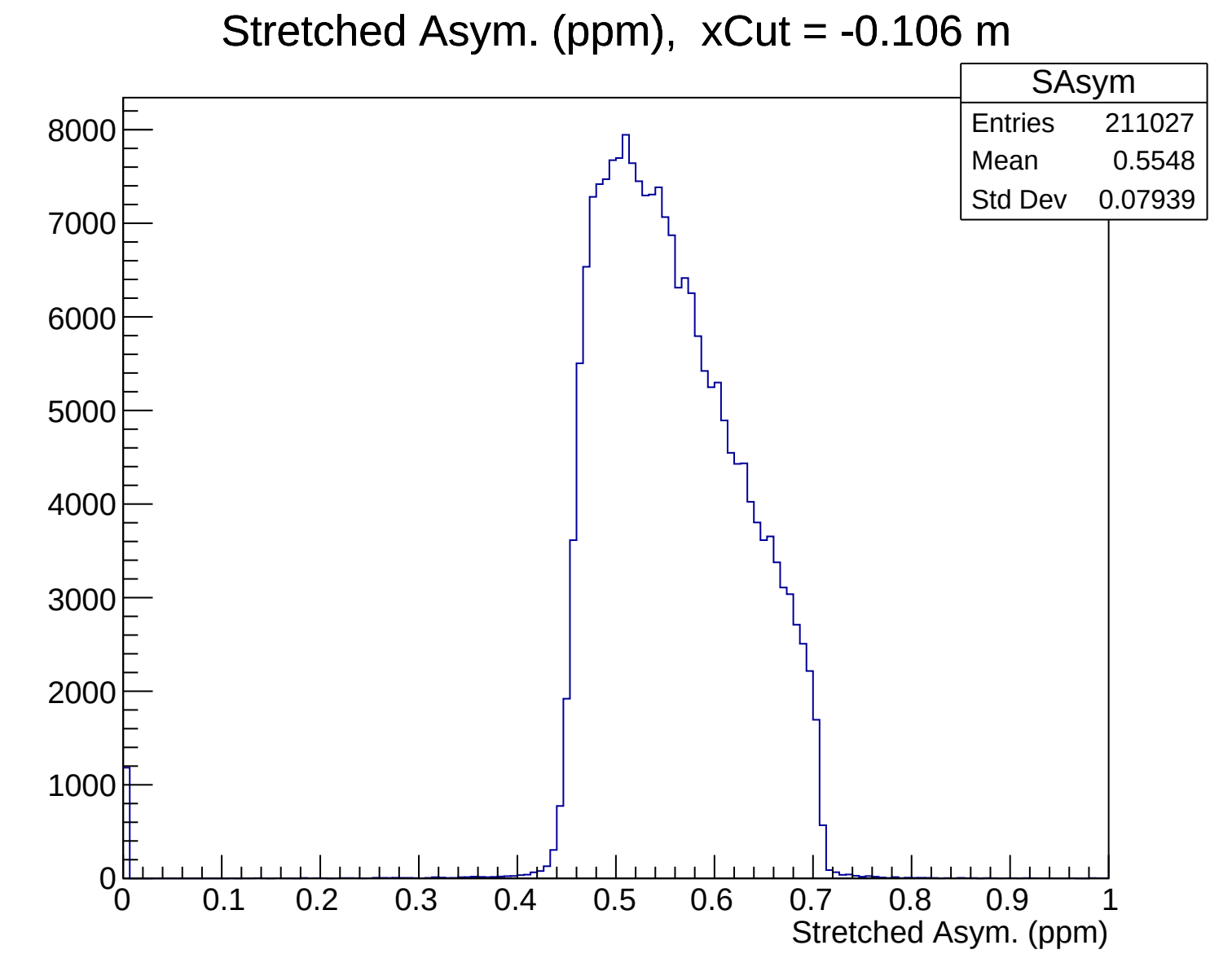

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

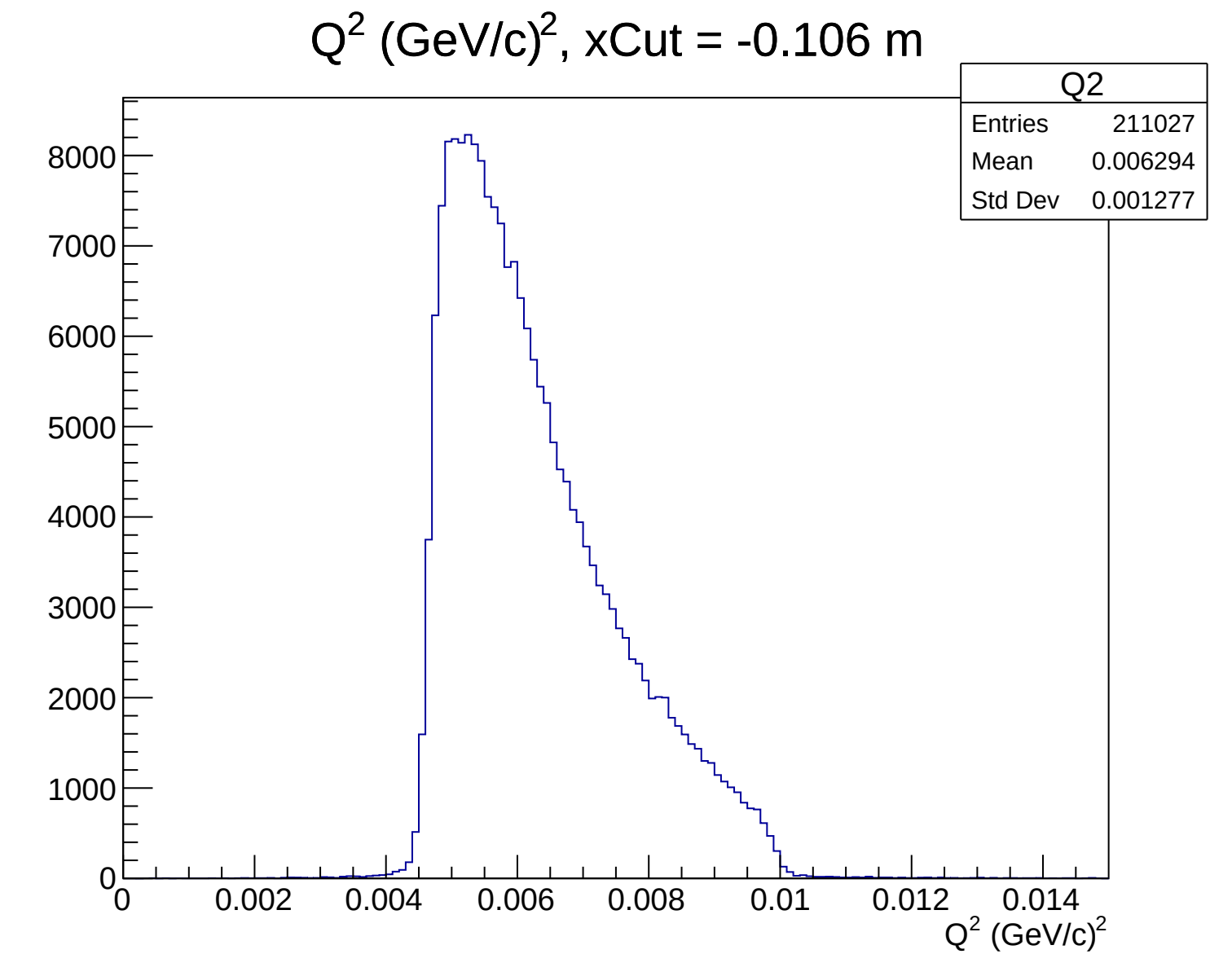

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.106
L.tr.x[0]+1.3*L.tr.th[0] (m)

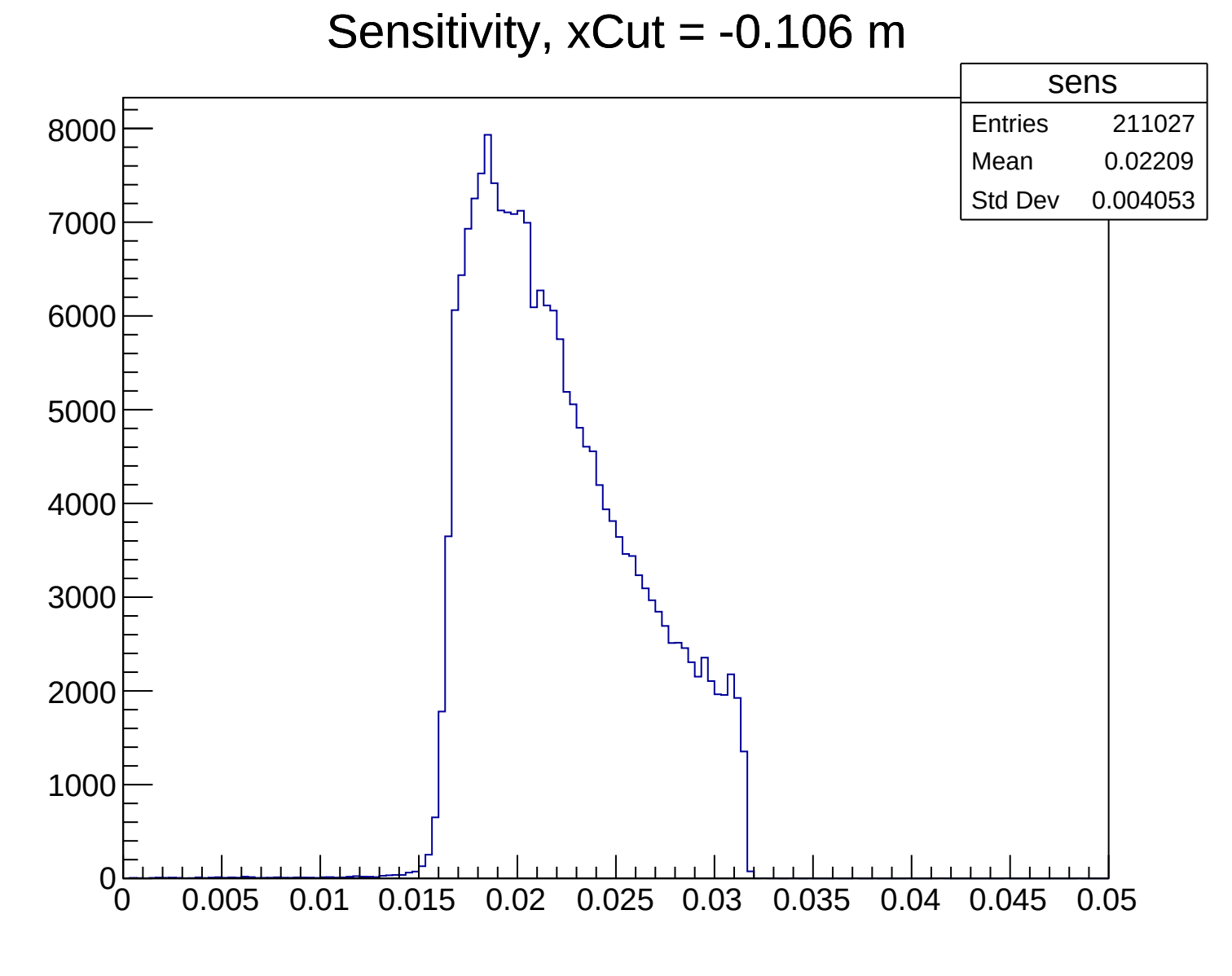

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

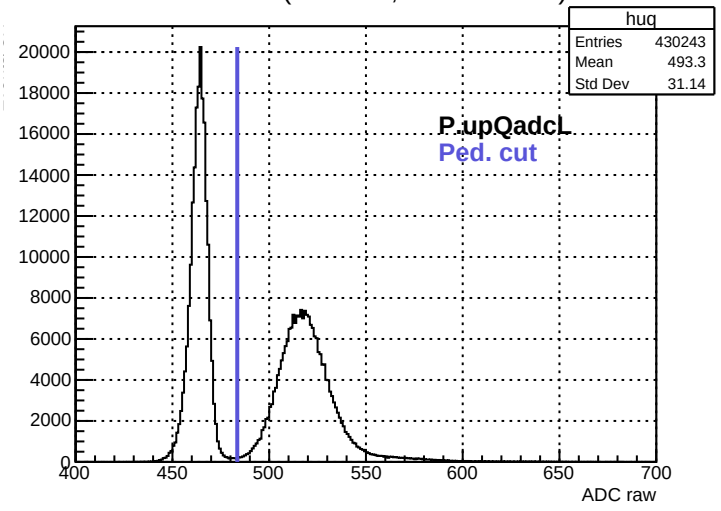

θlab (deg), xCut = -0.106 m
Theta
Entries 211027
Mean 4.774
Std Dev 0.4737
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

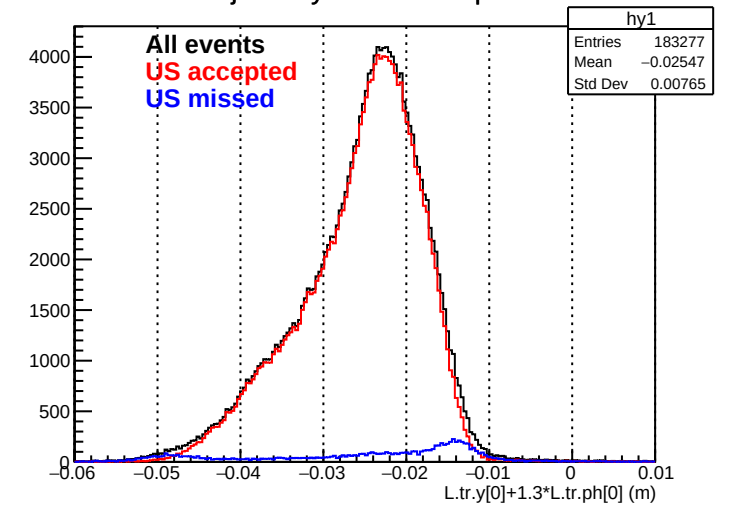

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 211027
Mean 0.5676
Std Dev 0.08326
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

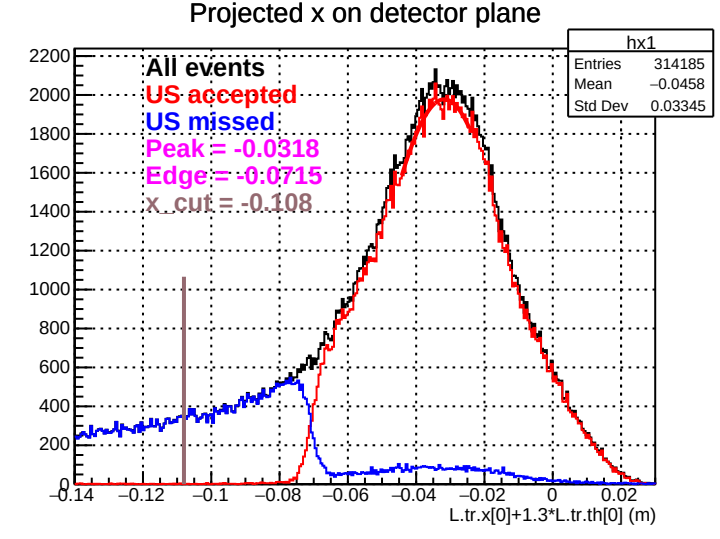

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 211027
Mean 0.5548
Std Dev 0.07939
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

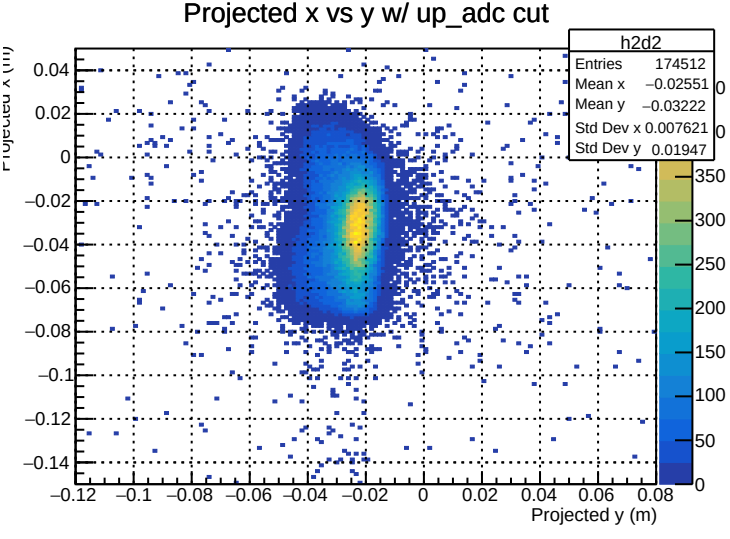

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 211027
Mean 0.006294
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

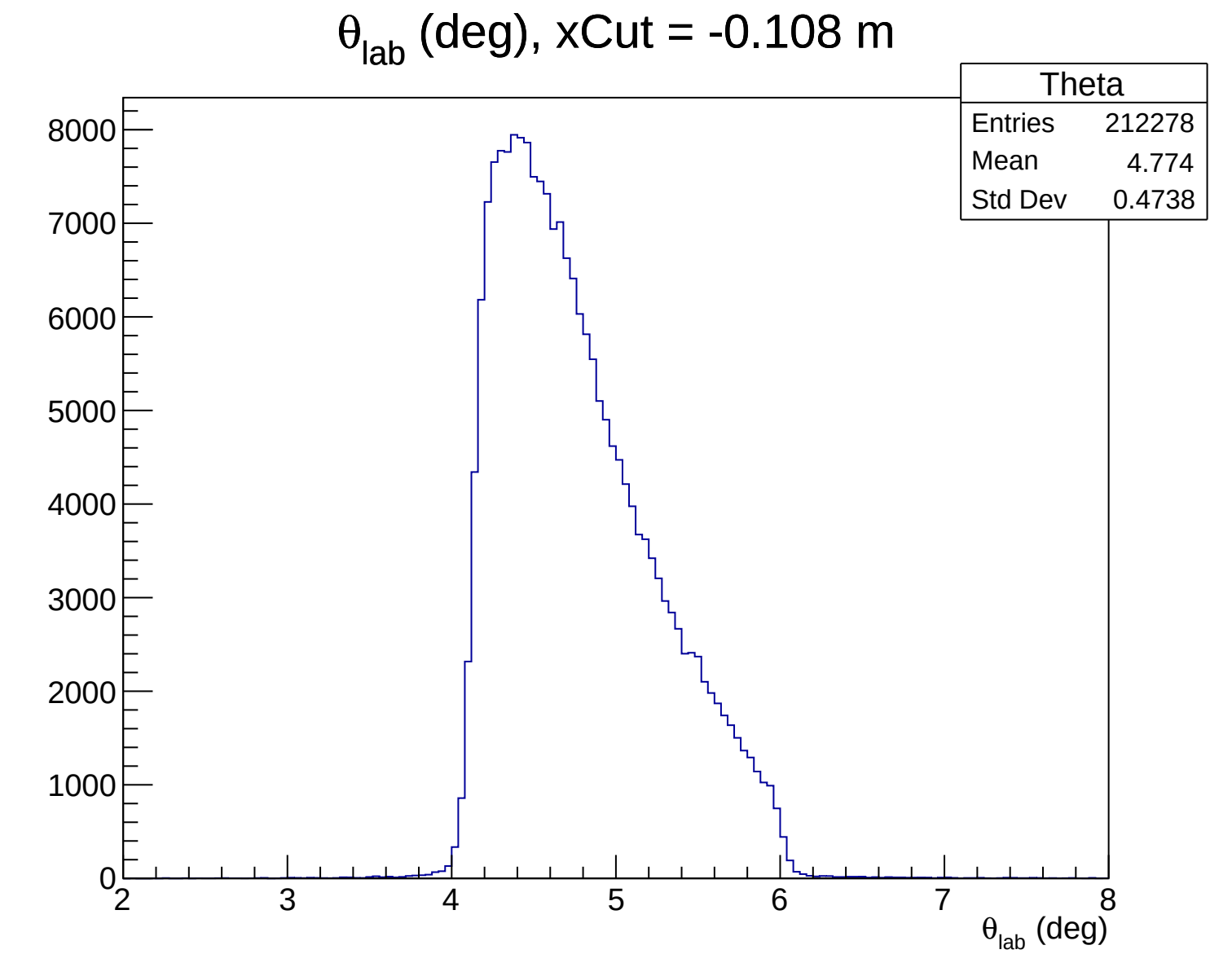

Sensitivity, xCut = -0.106 m
sens
Entries 211027
Mean 0.02209
Std Dev 0.004053
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

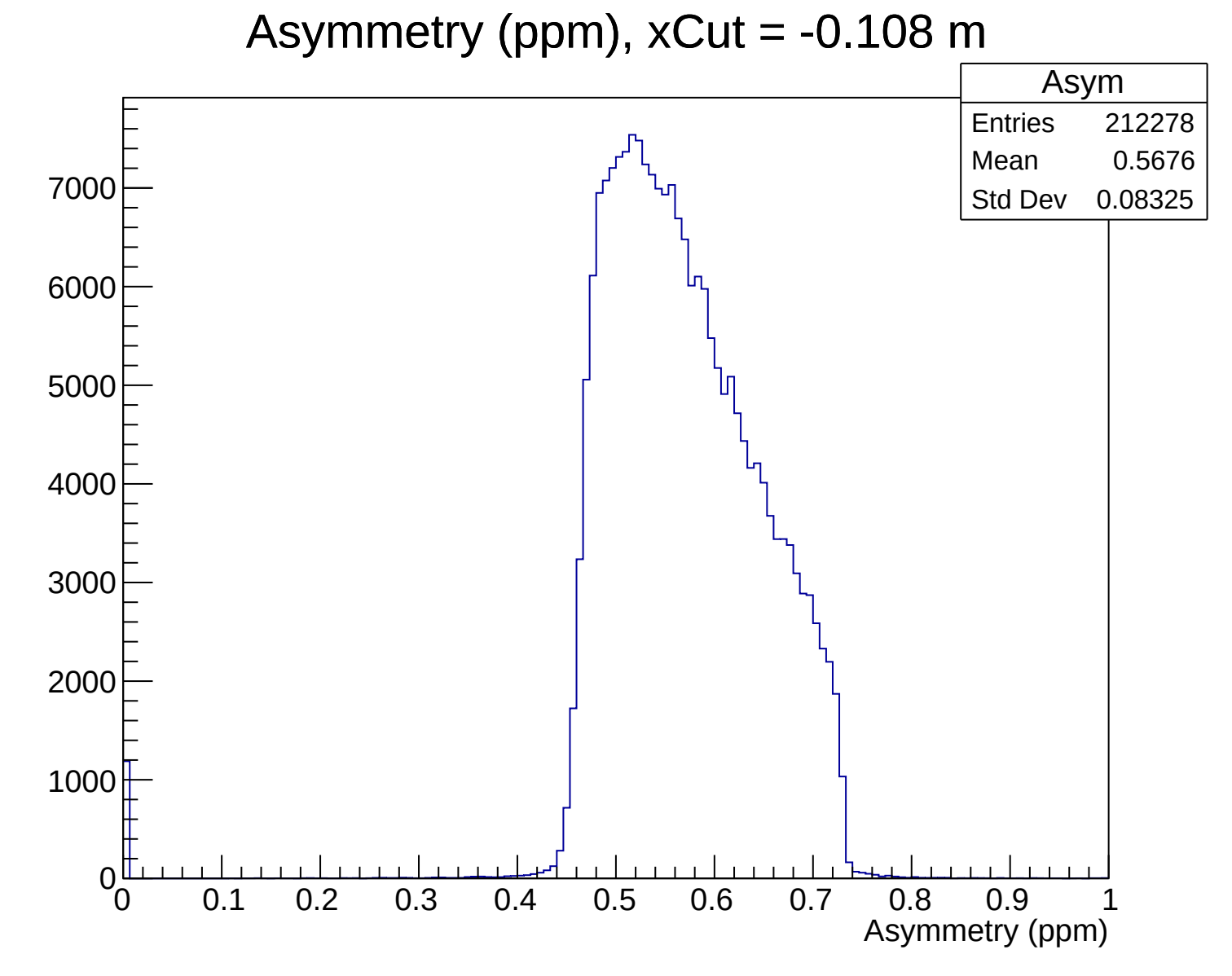

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

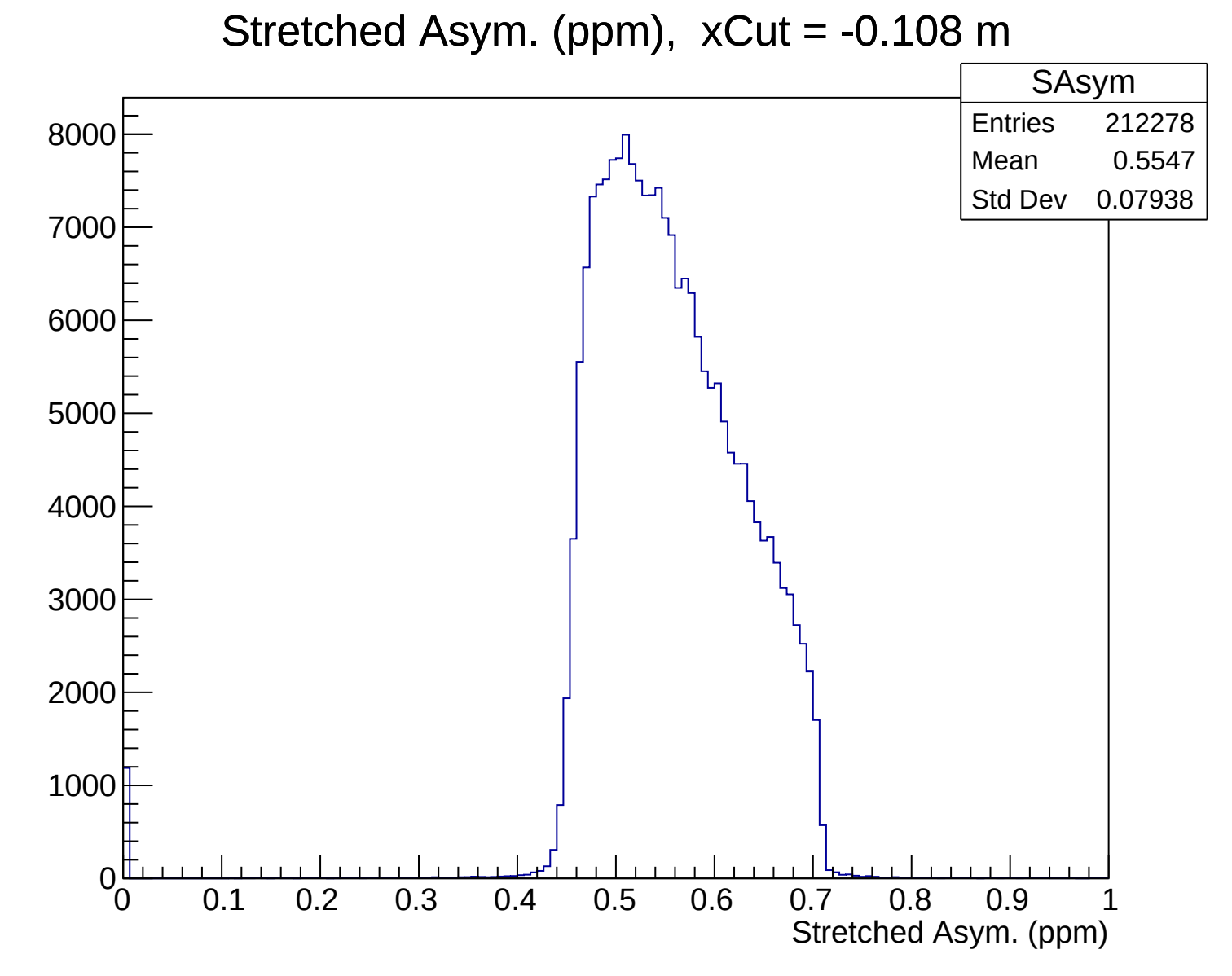

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

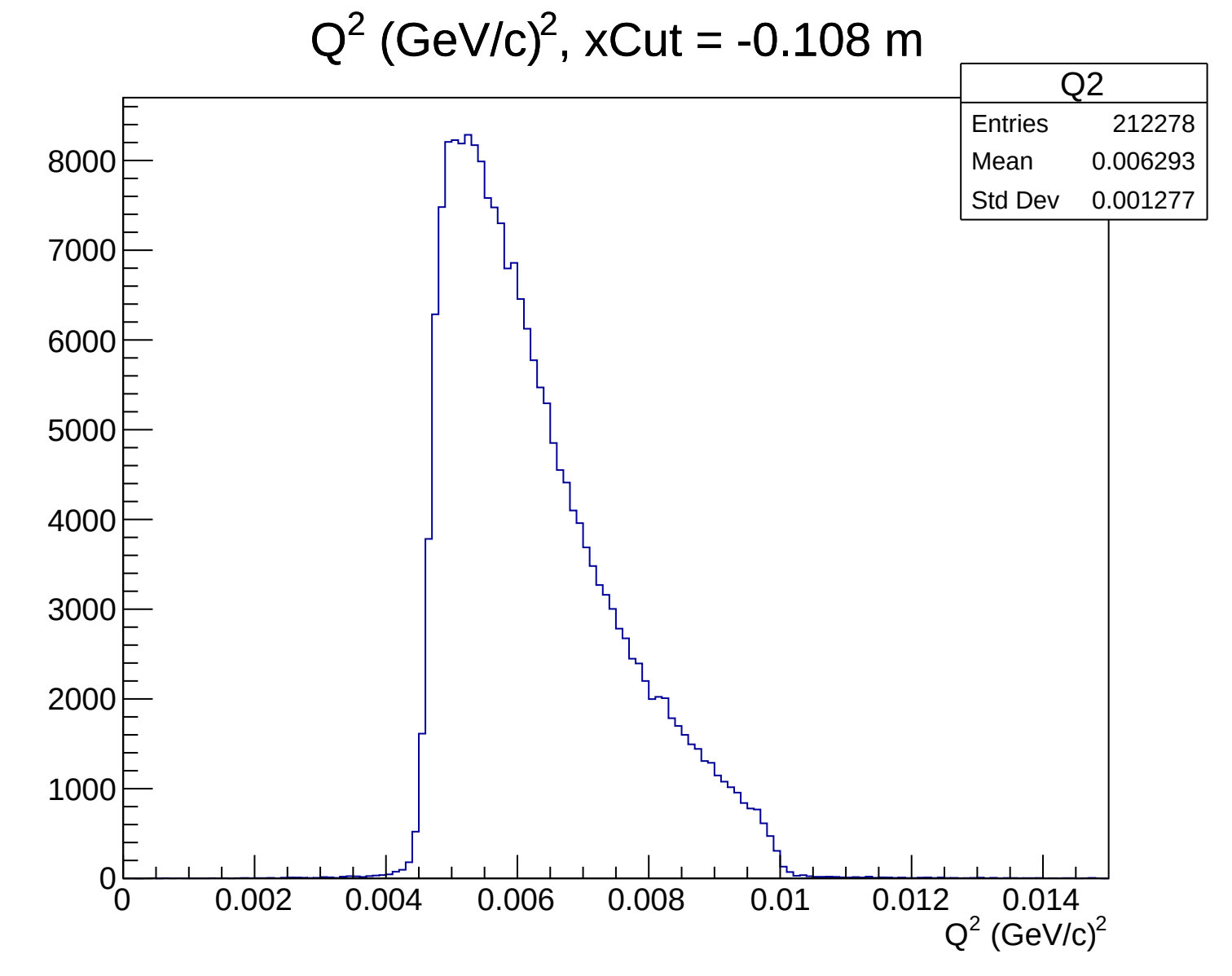

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.108
L.tr.x[0]+1.3*L.tr.th[0] (m)

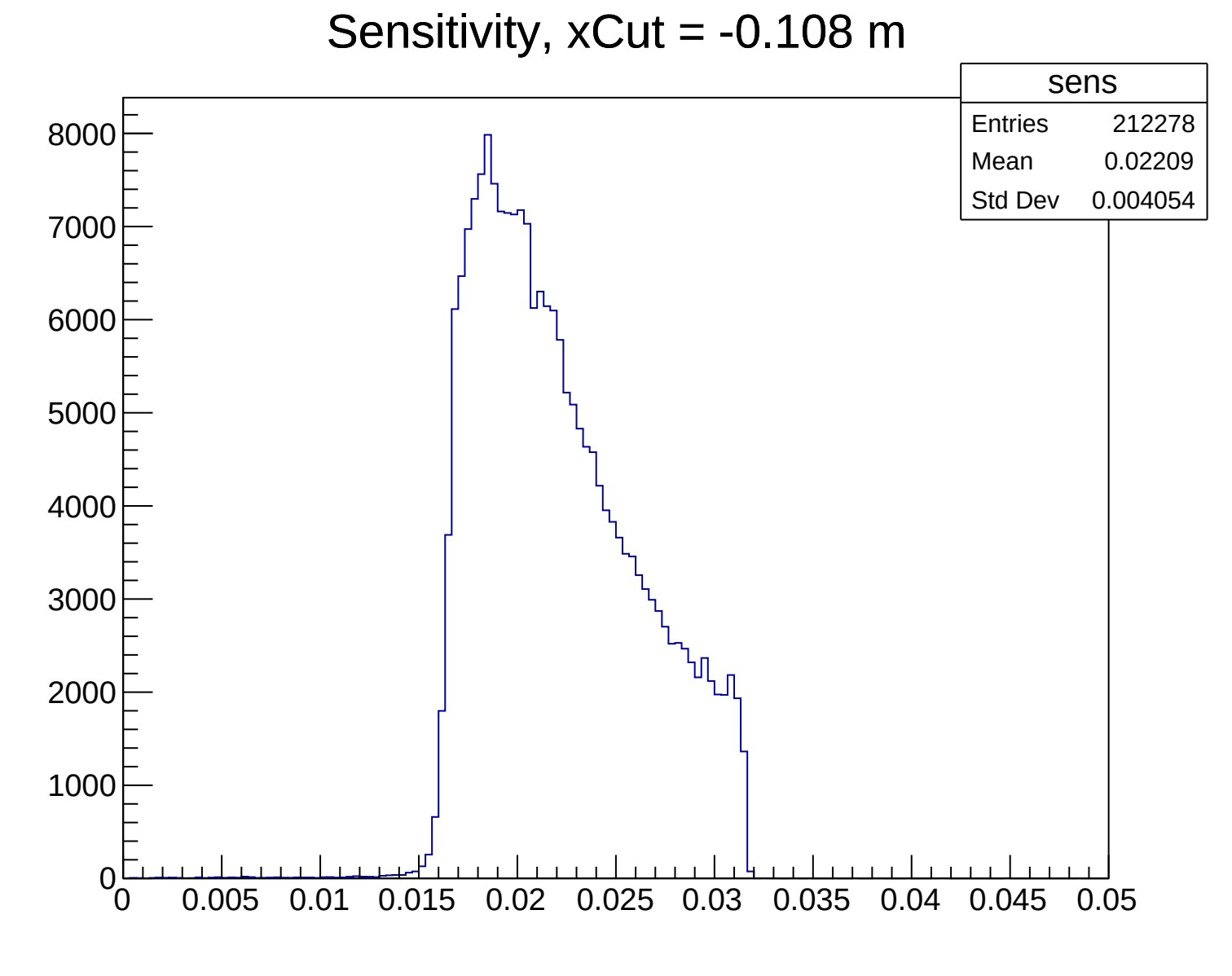

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)


θlab (deg), xCut = -0.108 m
Theta
Entries 212278
Mean 4.774
Std Dev 0.4738
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

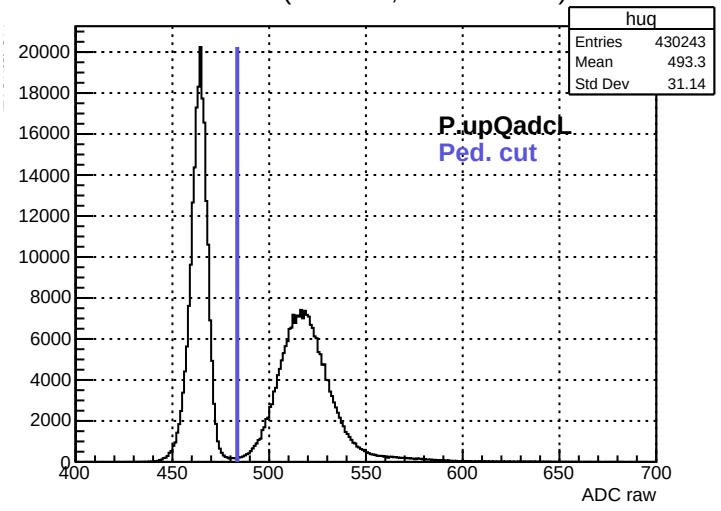

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 212278
Mean 0.5676
Std Dev 0.08325
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 212278
Mean 0.5547
Std Dev 0.07938
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

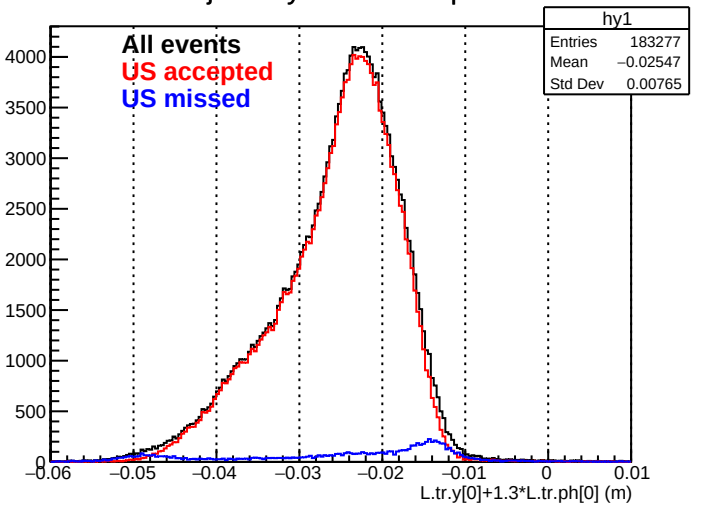

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 212278
Mean 0.006293
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, xCut = -0.108 m
sens
Entries 212278
Mean 0.02209
Std Dev 0.004054
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

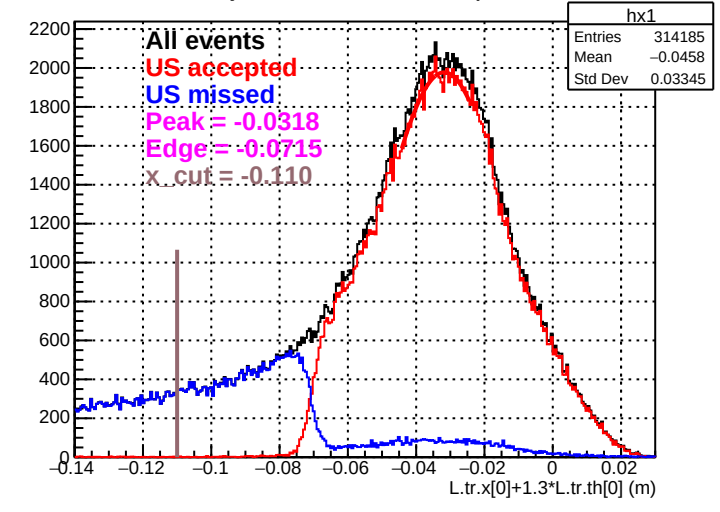
ADC raw (run2292, detZ = 1.3 m)



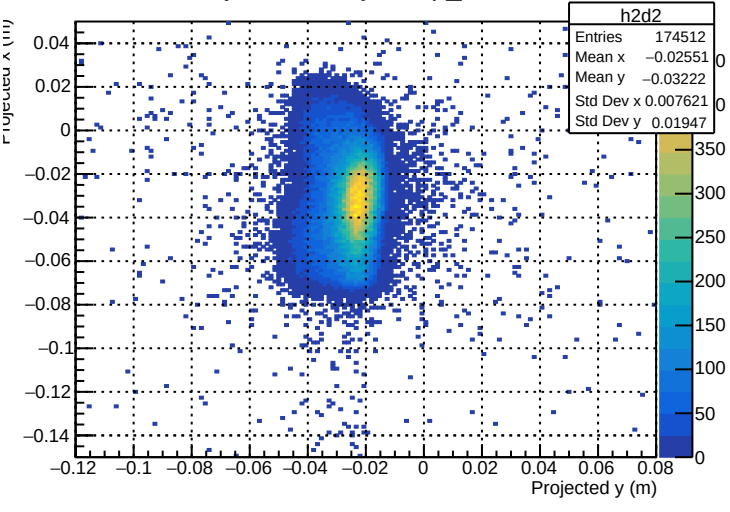
Projected y on detector plane

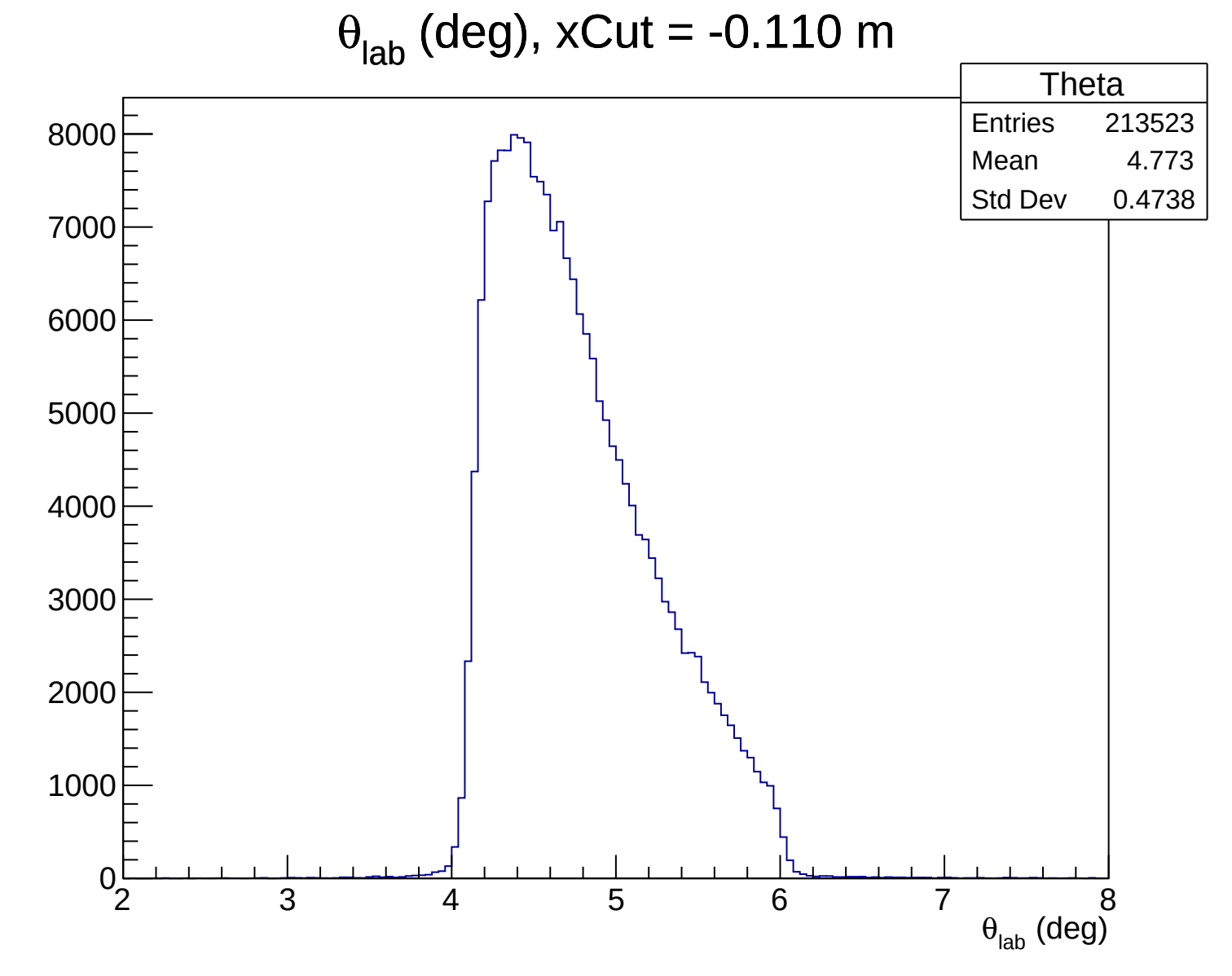


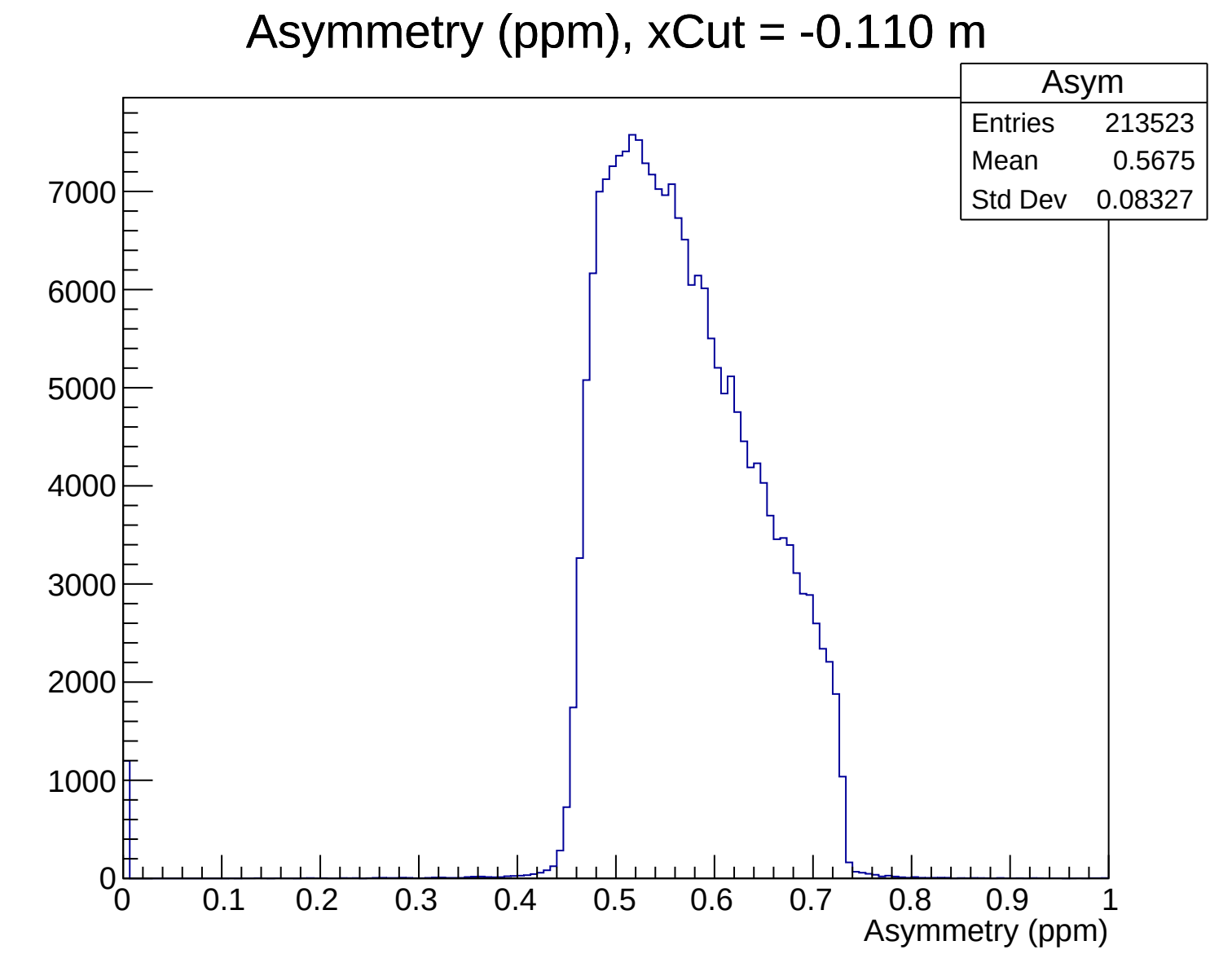
Projected x on detector plane

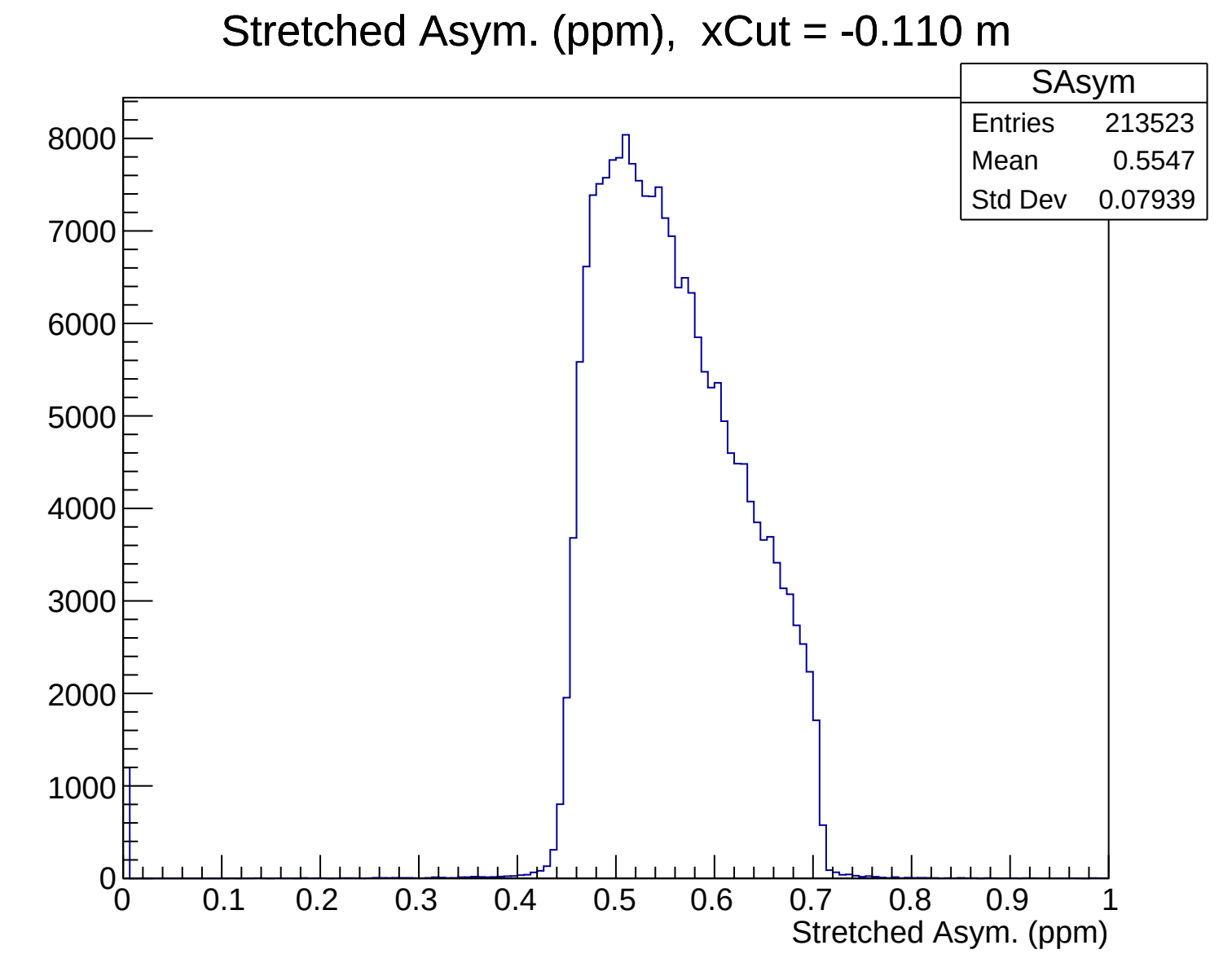


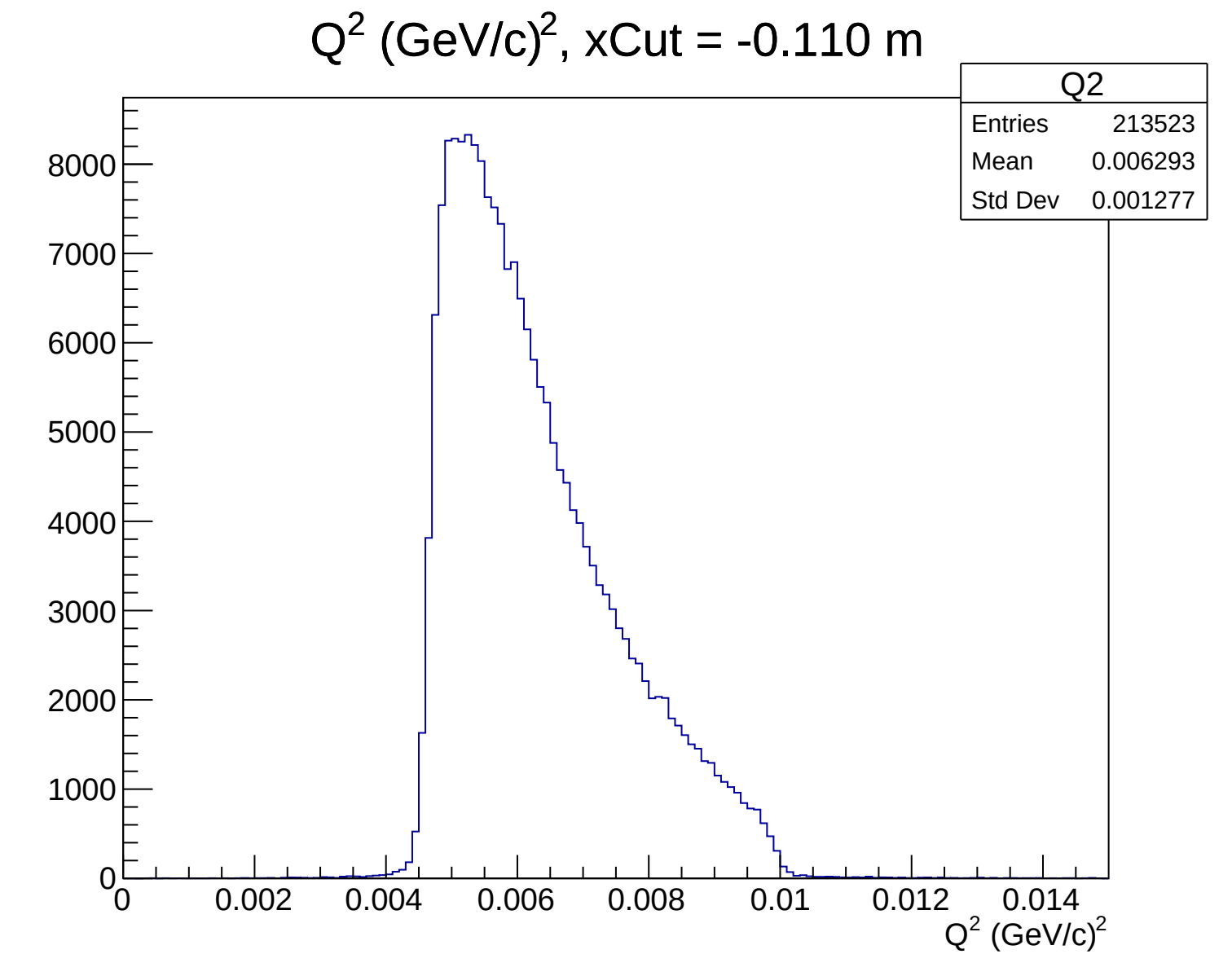
Projected x vs y w/ up_adc cut

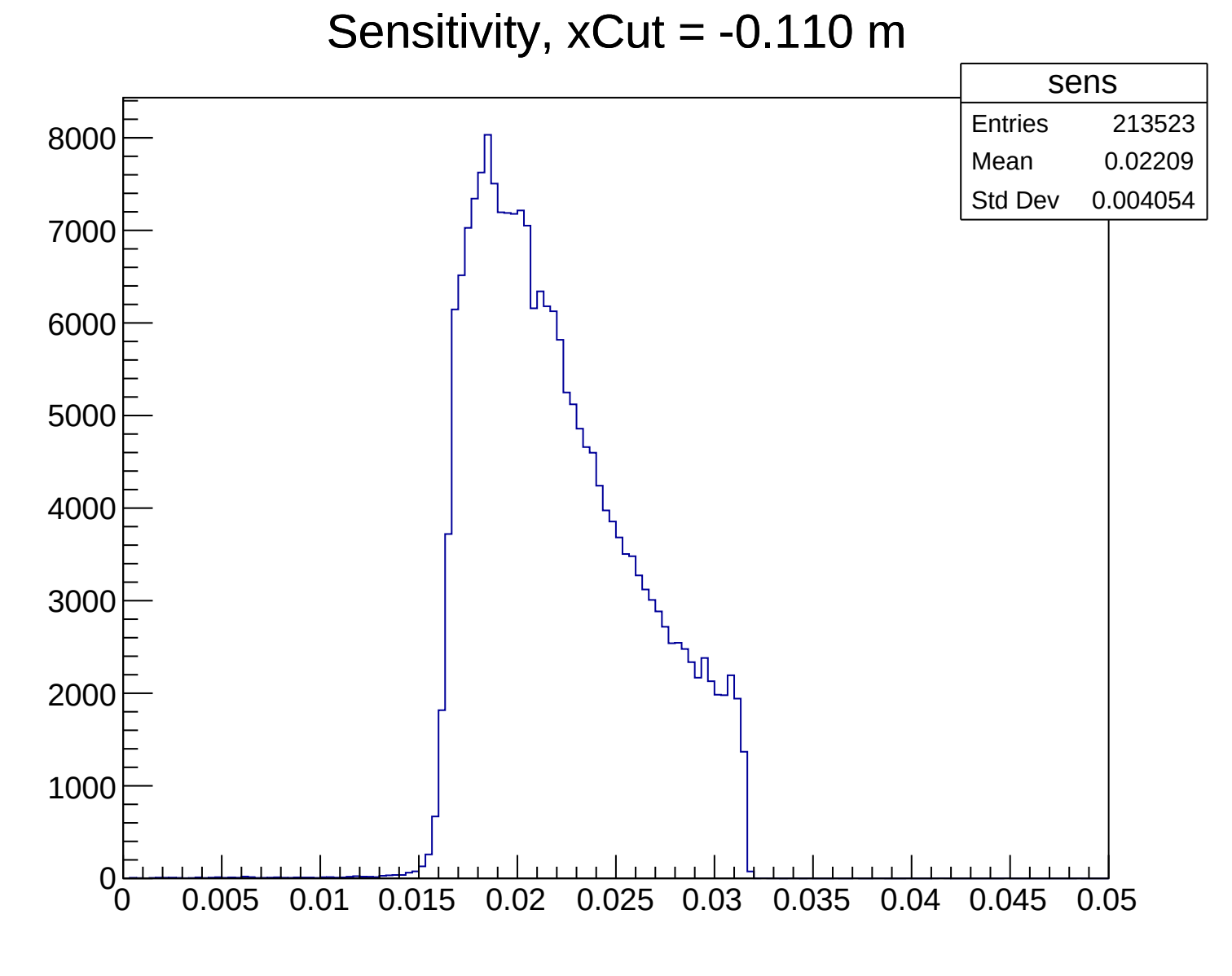


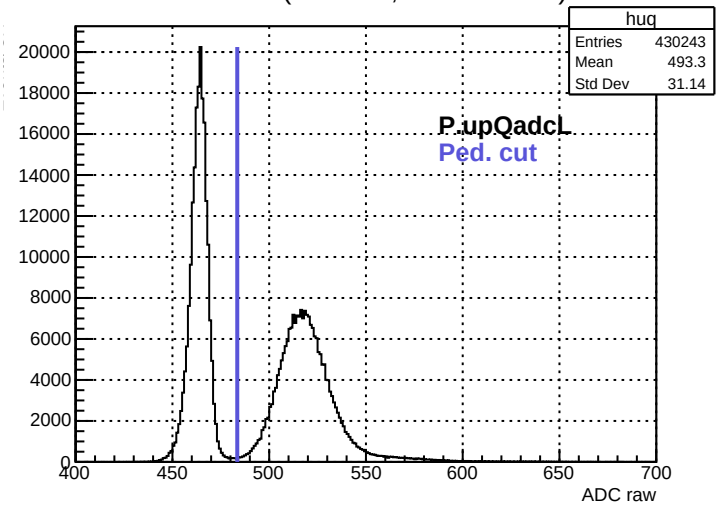

θlab (deg), xCut = -0.110 m
Theta
Entries 213523
Mean 4.773
Std Dev 0.4738
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

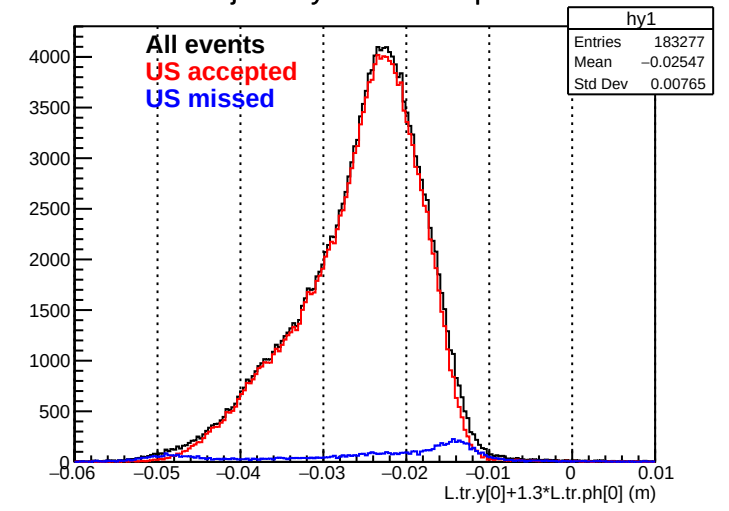

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 213523
Mean 0.5675
Std Dev 0.08327
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

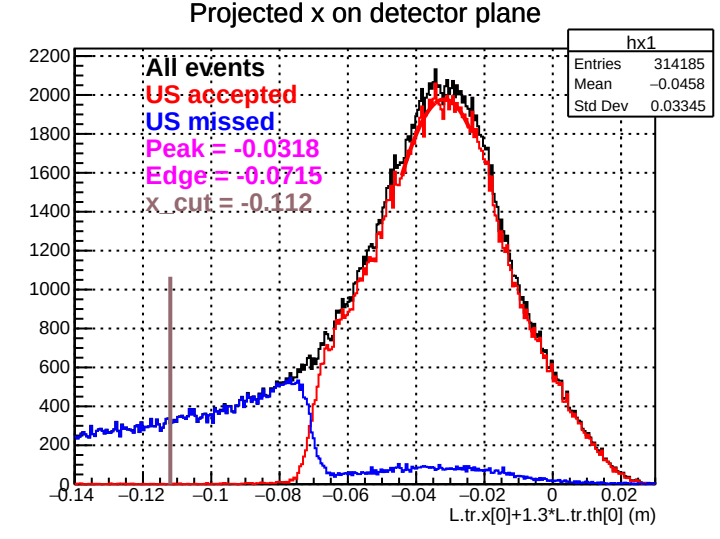

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 213523
Mean 0.5547
Std Dev 0.07939
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

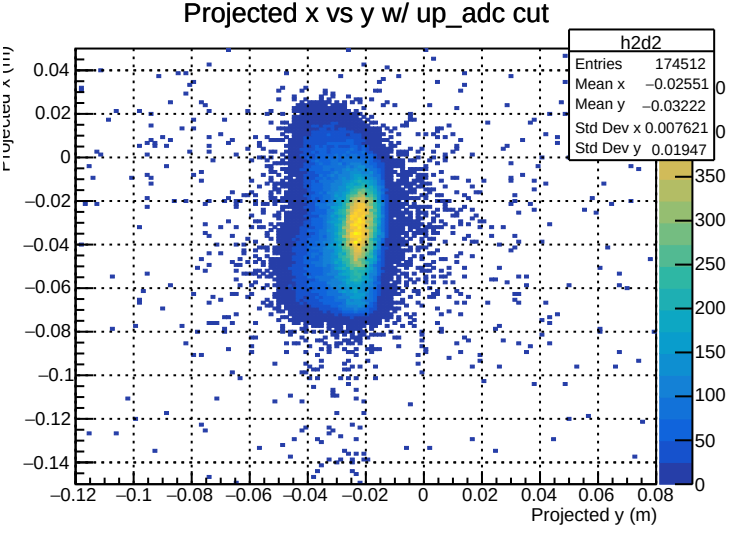

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 213523
Mean 0.006293
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

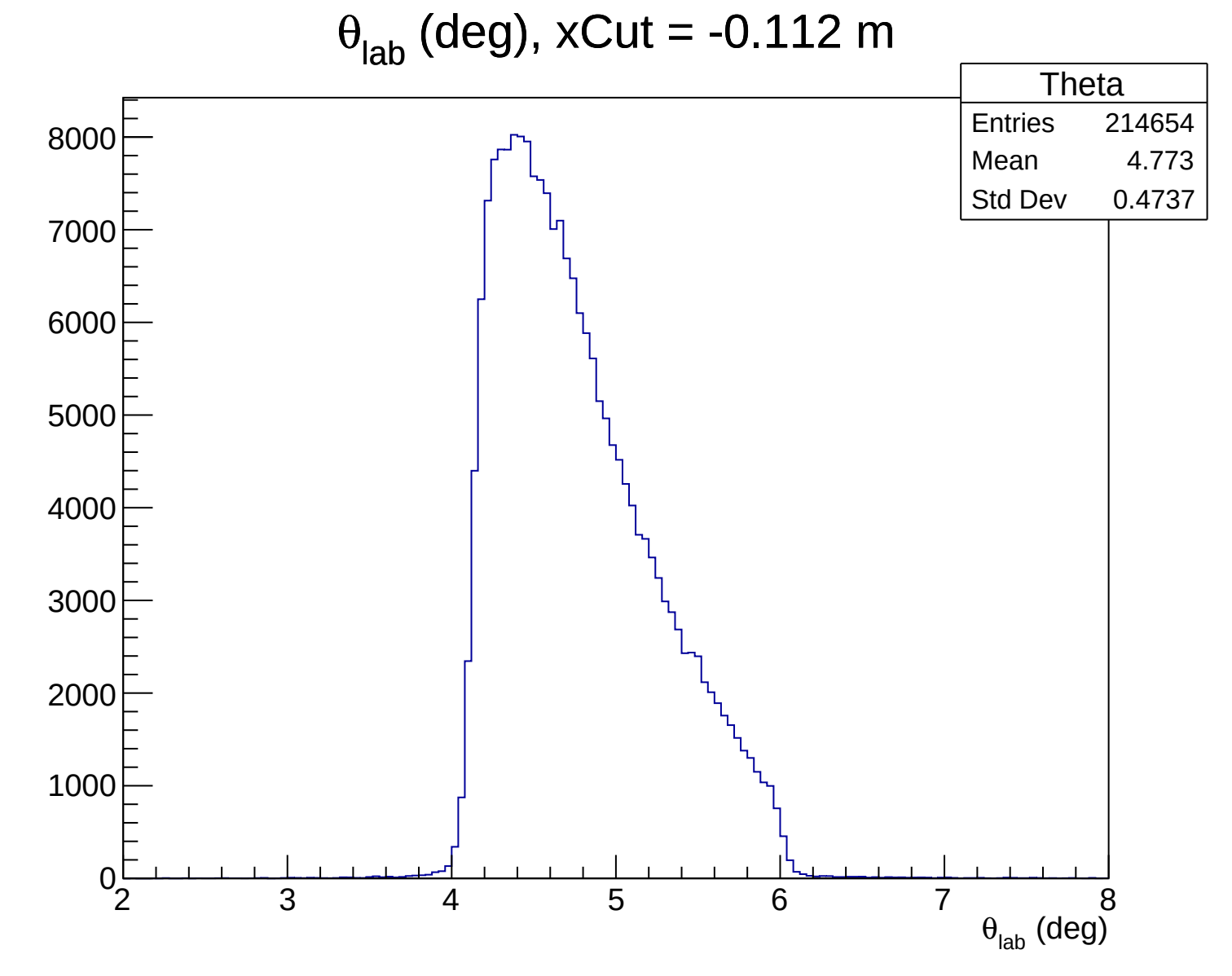

Sensitivity, xCut = -0.110 m
sens
Entries 213523
Mean 0.02209
Std Dev 0.004054
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

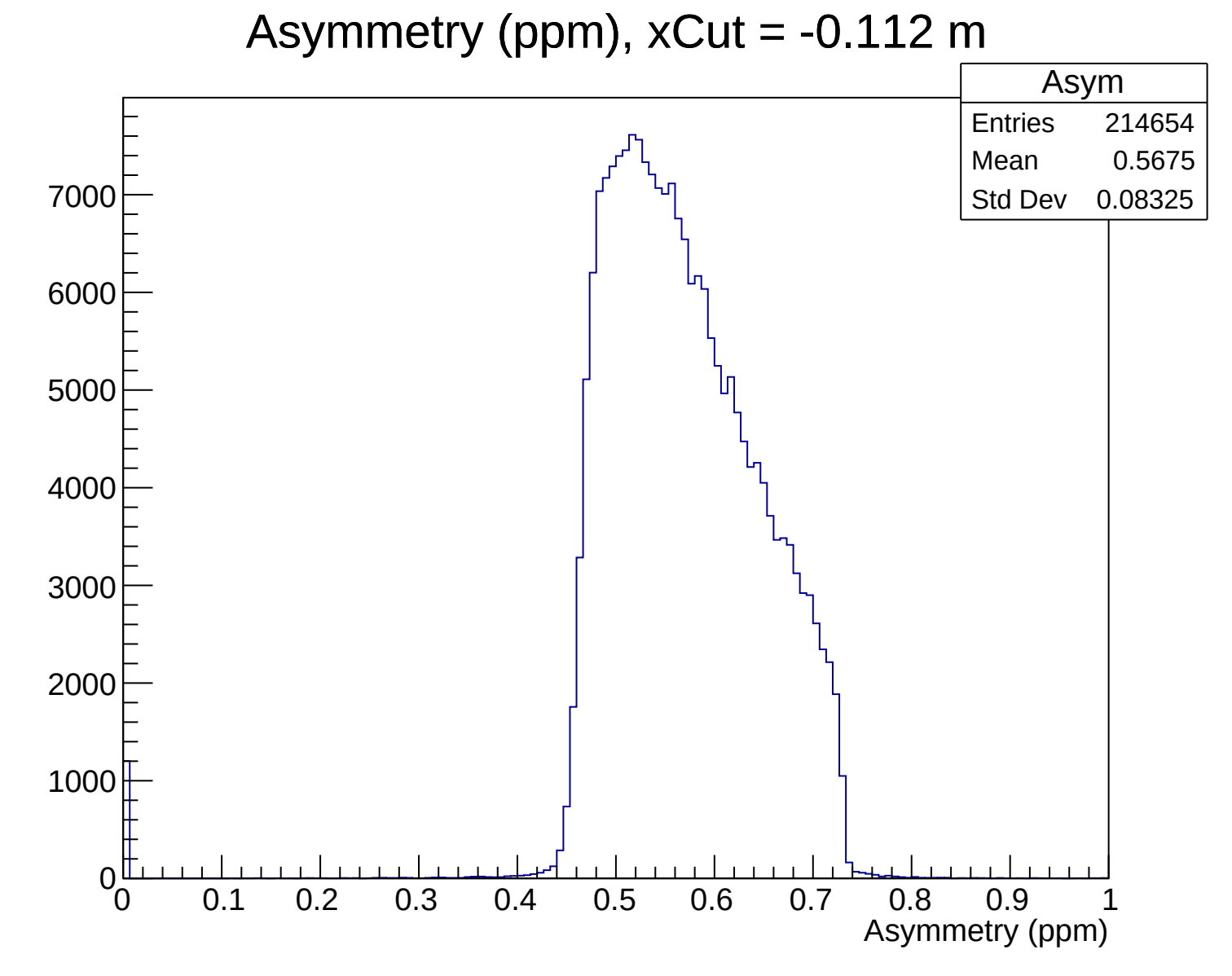

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

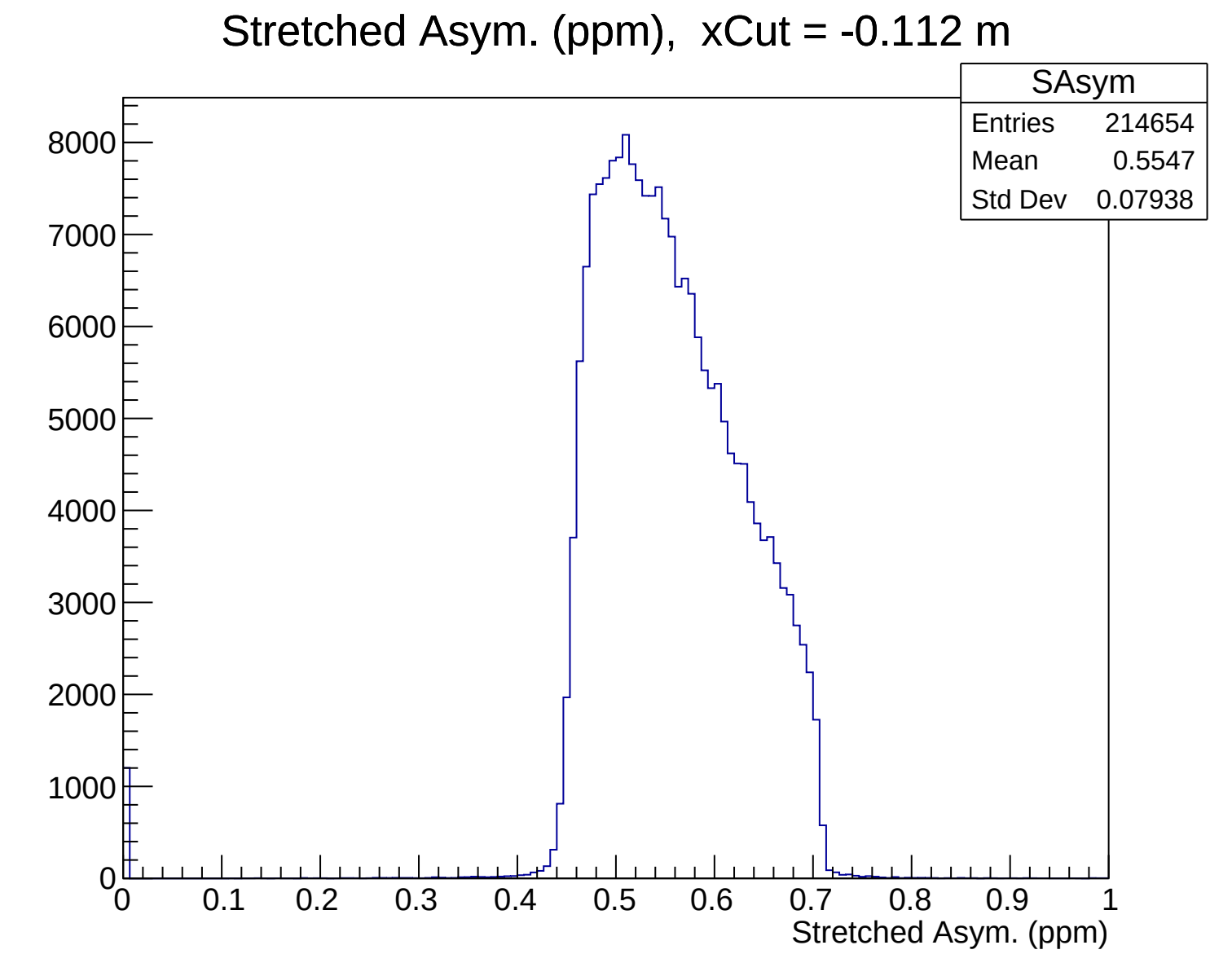

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

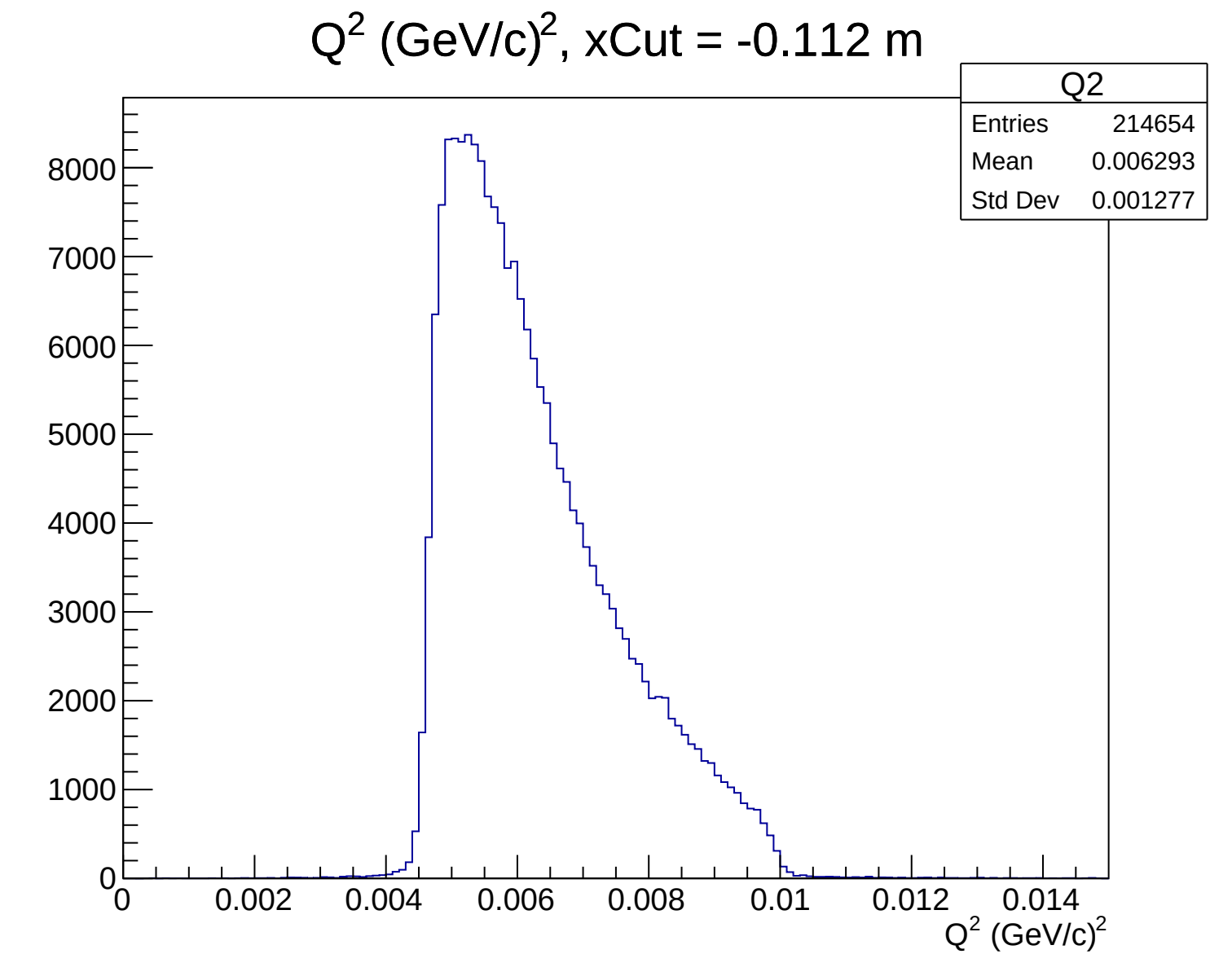

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.112
L.tr.x[0]+1.3*L.tr.th[0] (m)

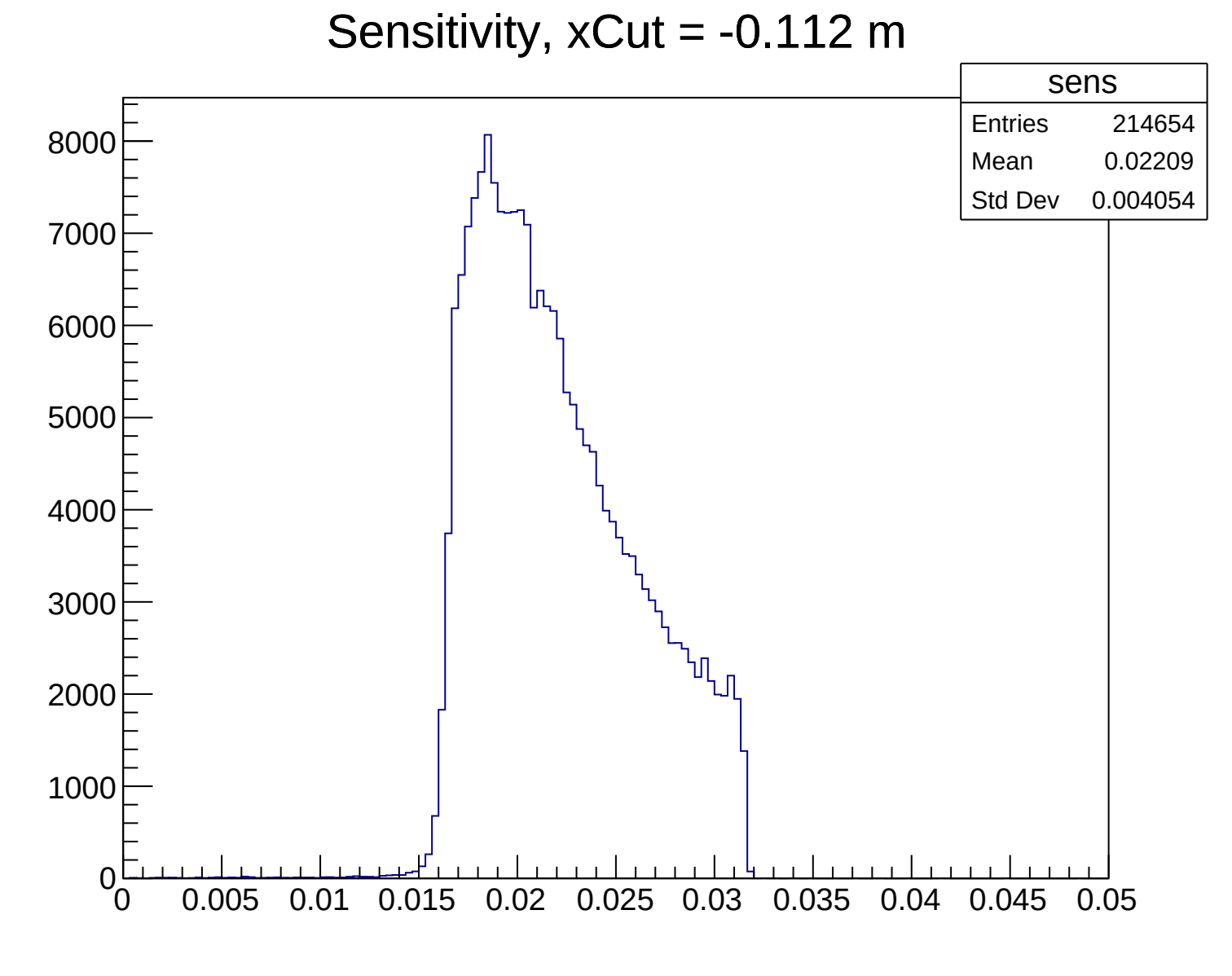

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)

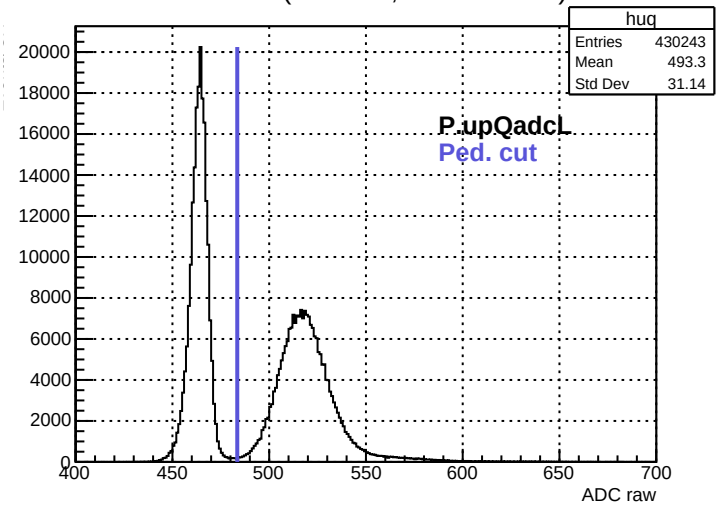

θlab (deg), xCut = -0.112 m
Theta
Entries 214654
Mean 4.773
Std Dev 0.4737
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

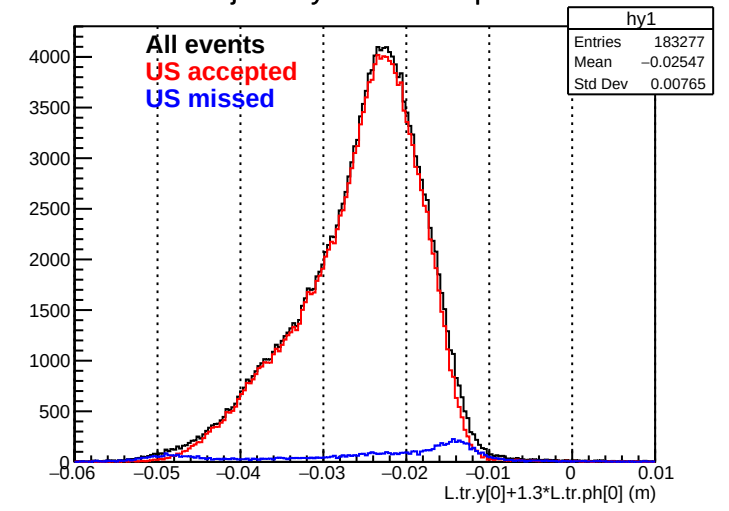

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 214654
Mean 0.5675
Std Dev 0.08325
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

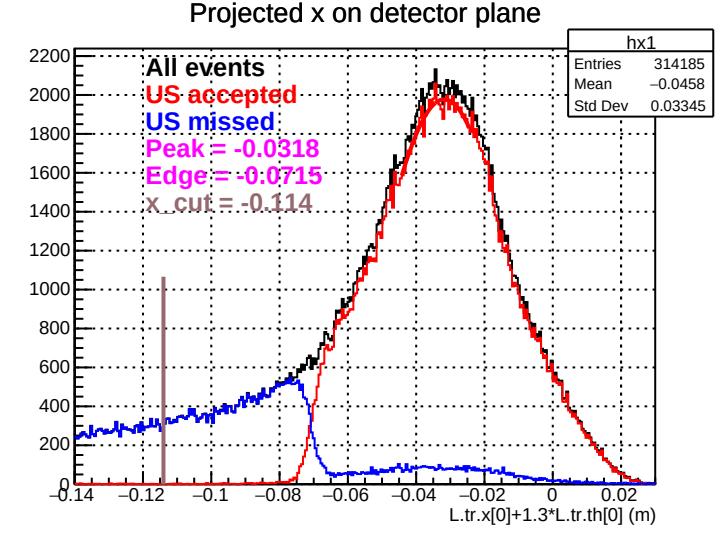

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 214654
Mean 0.5547
Std Dev 0.07938
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

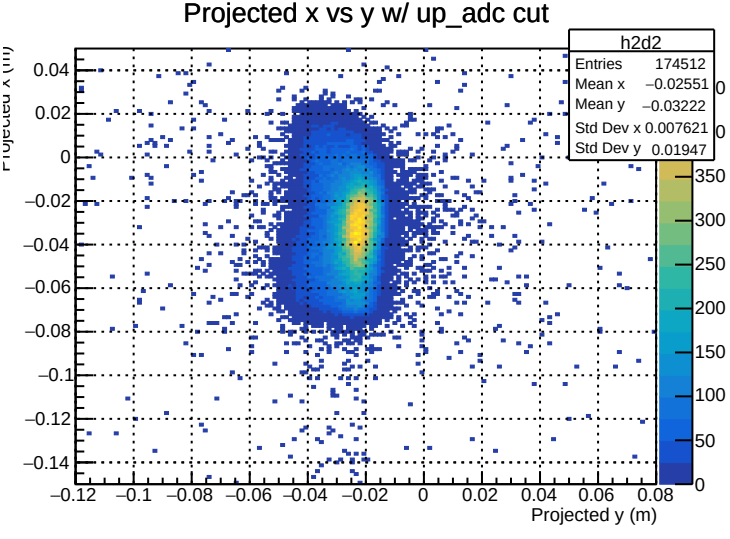

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 214654
Mean 0.006293
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

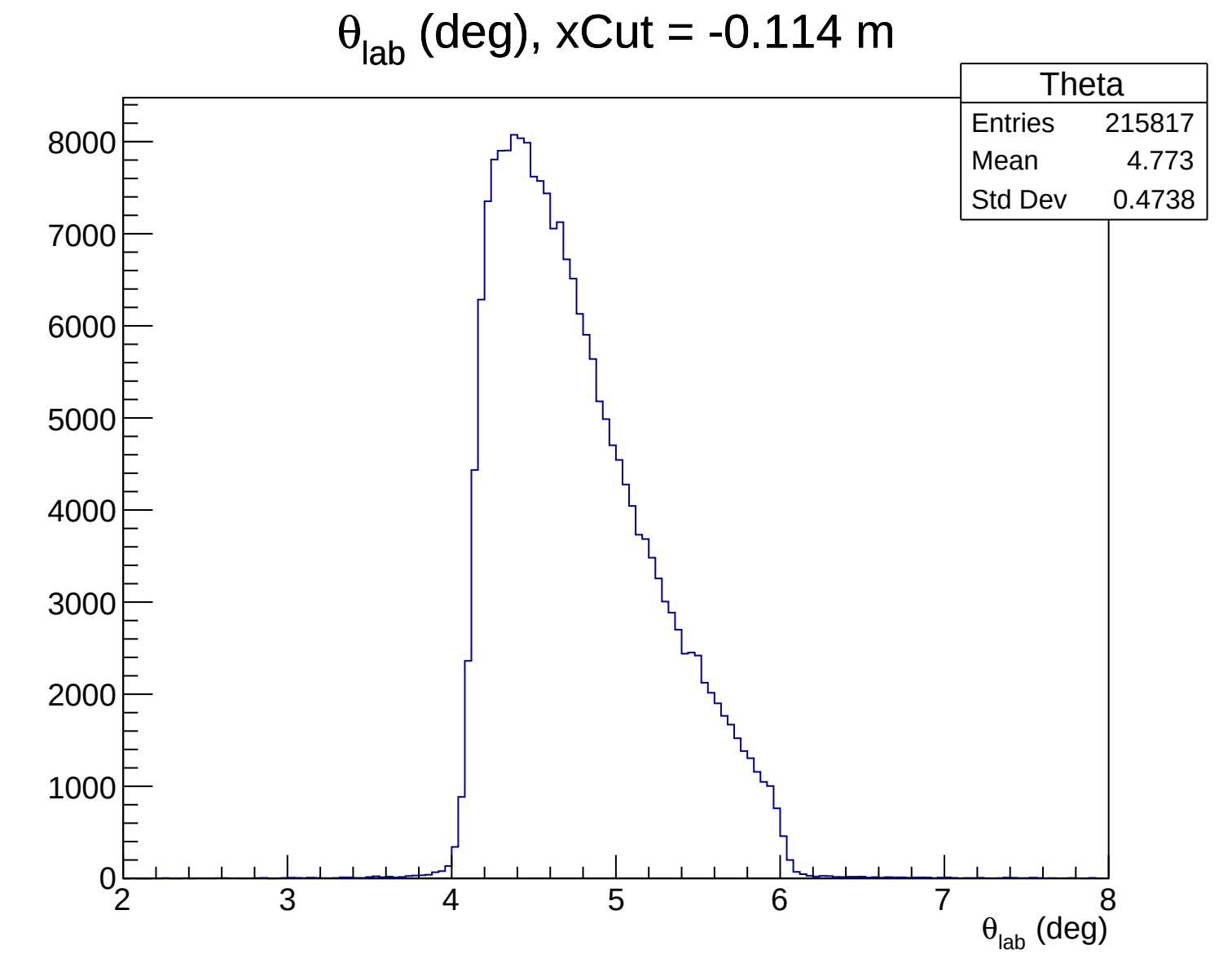

Sensitivity, xCut = -0.112 m
sens
Entries 214654
Mean 0.02209
Std Dev 0.004054
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

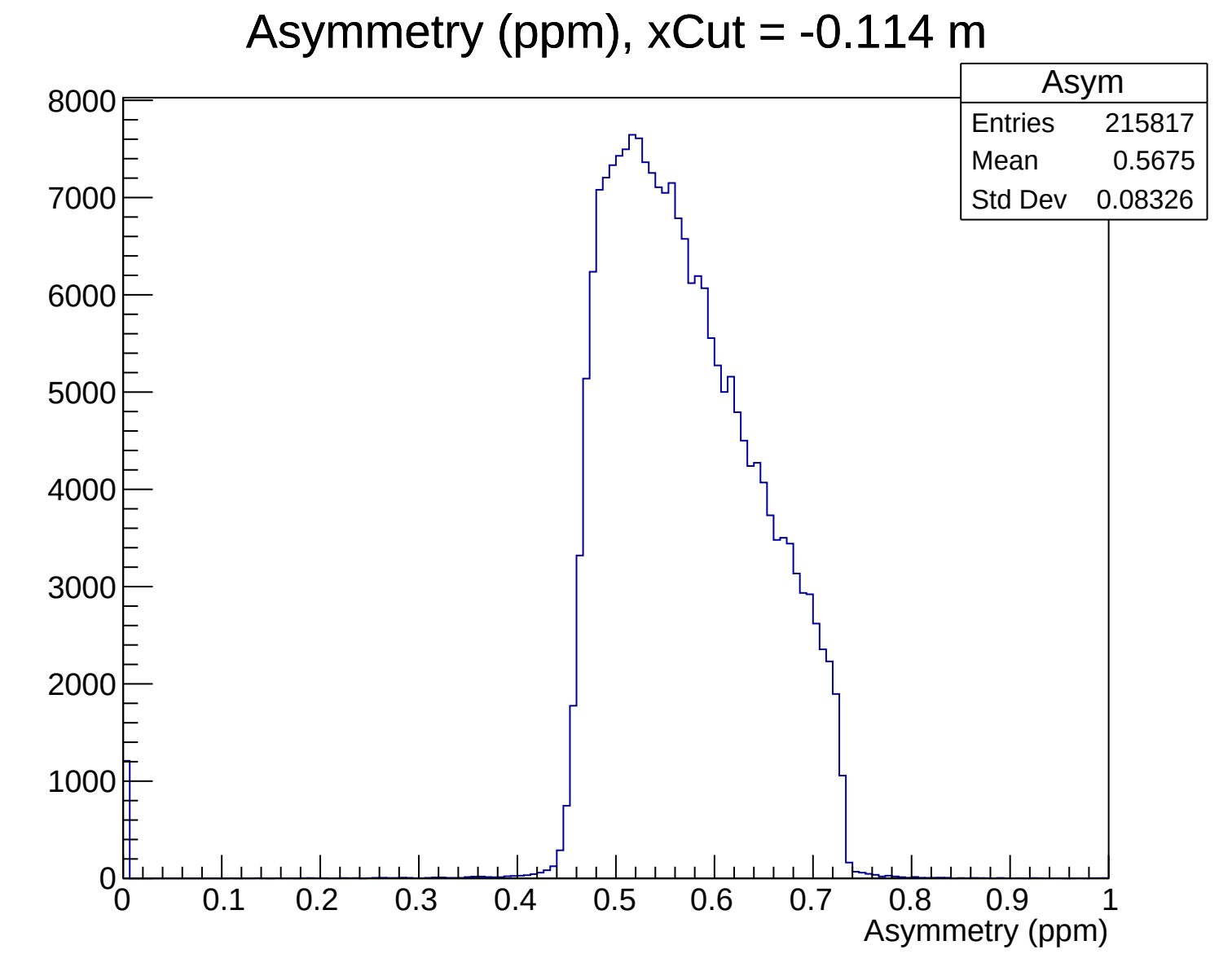

ADC raw (run2292, detZ = 1.3 m)
huq
Entries 430243
Mean 493.3
Std Dev 31.14
P.upQadcL
Ped. cut
ADC raw

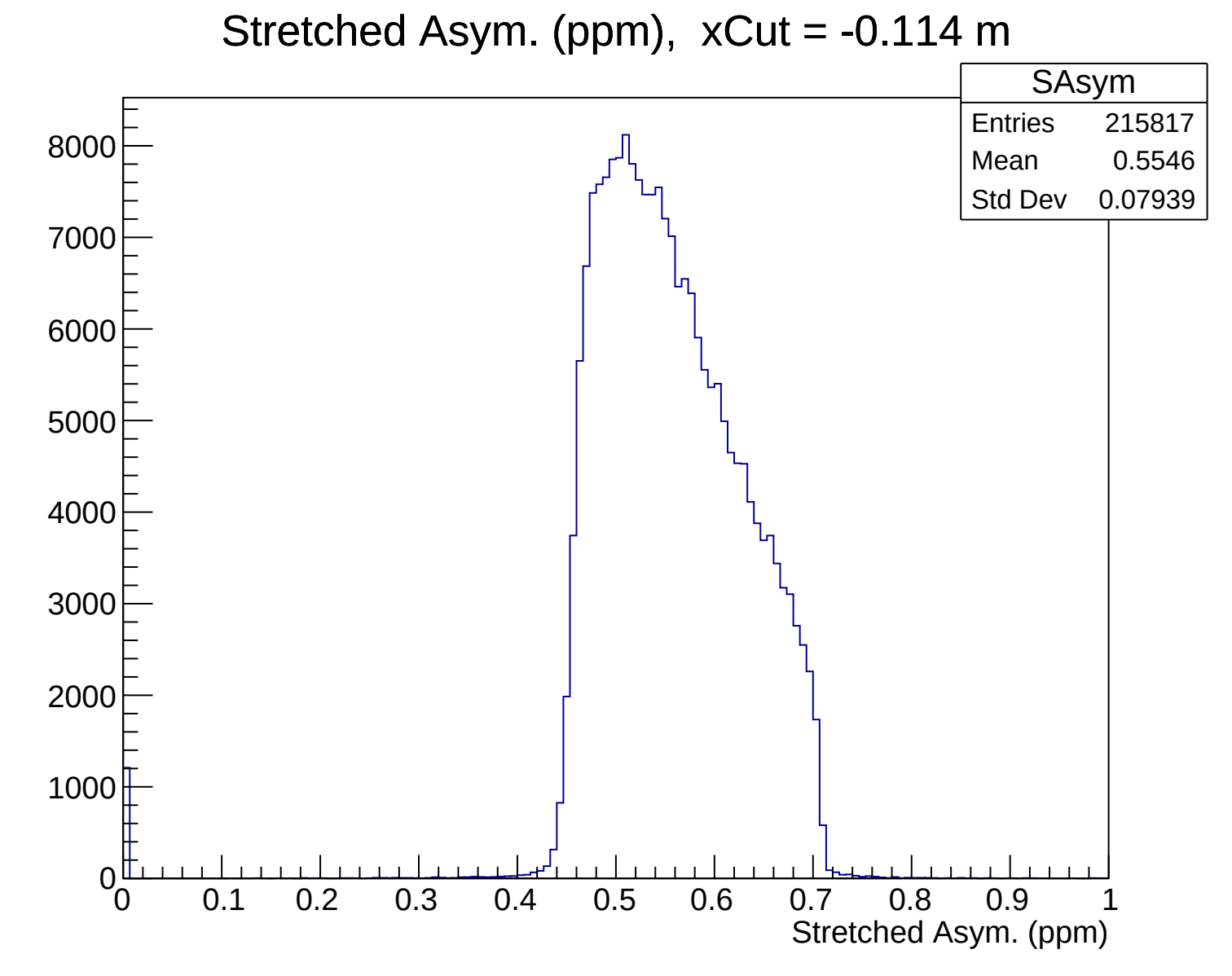

Projected y on detector plane
hy1
Entries 183277
Mean −0.02547
Std Dev 0.00765
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

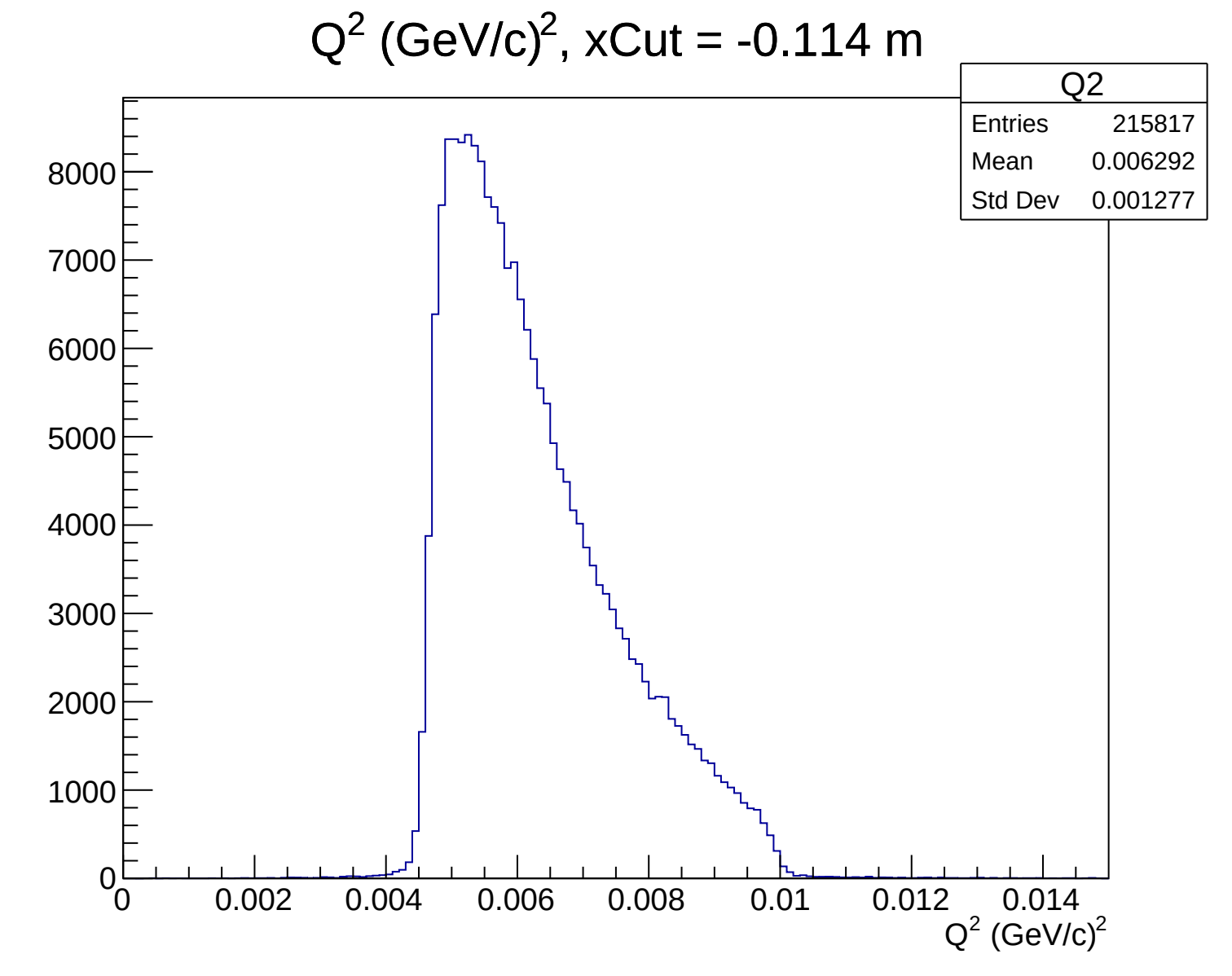

Projected x on detector plane
hx1
Entries 314185
Mean −0.0458
Std Dev 0.03345
All events
US accepted
US missed
Peak = -0.0318
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

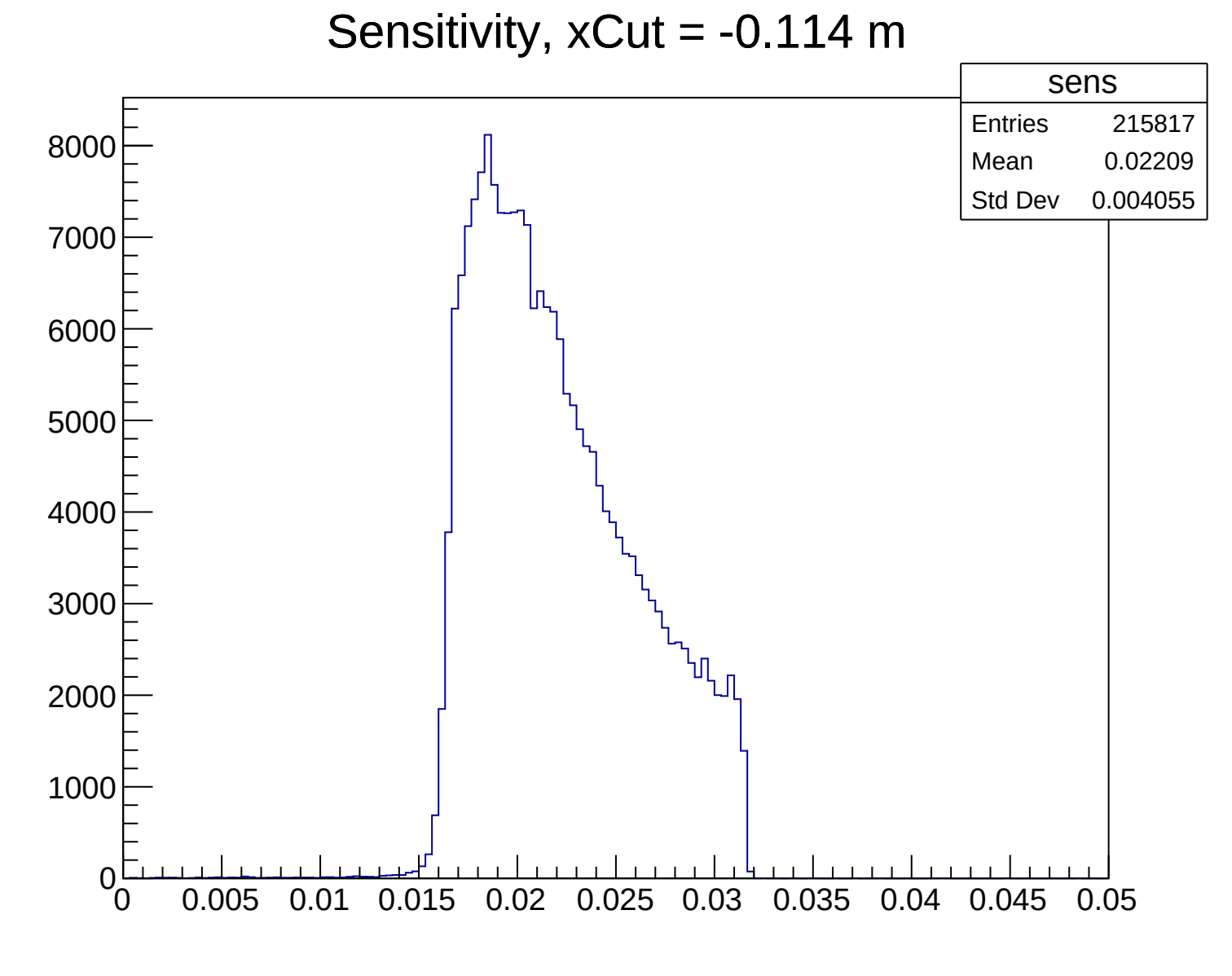

Projected x vs y w/ up_adc cut
h2d2
Entries 174512
Mean x −0.02551
Mean y −0.03222
Std Dev x 0.007621
Std Dev y 0.01947
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 215817
Mean 4.773
Std Dev 0.4738
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 215817
Mean 0.5675
Std Dev 0.08326
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), xCut = -0.114 m
SAsym
Entries 215817
Mean 0.5546
Std Dev 0.07939
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, xCut = -0.114 m
Q2
Entries 215817
Mean 0.006292
Std Dev 0.001277
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, xCut = -0.114 m
sens
Entries 215817
Mean 0.02209
Std Dev 0.004055
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05