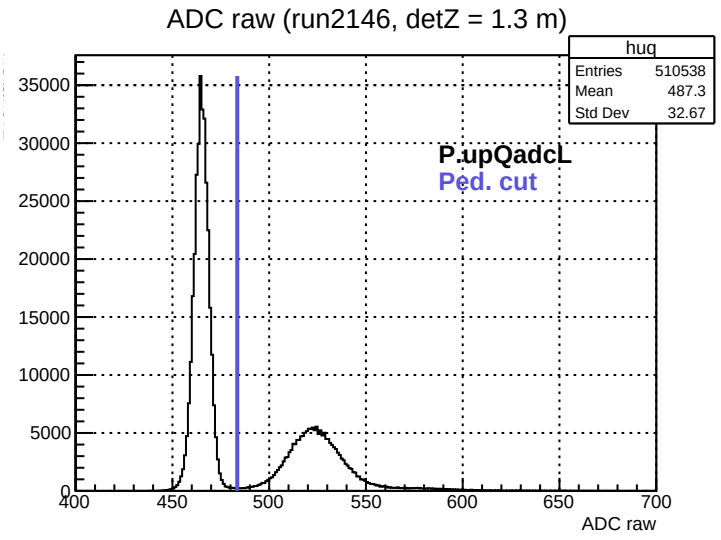
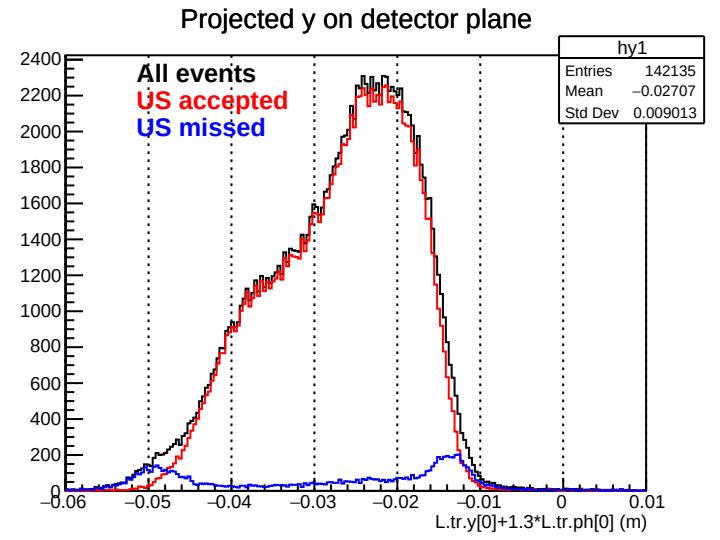
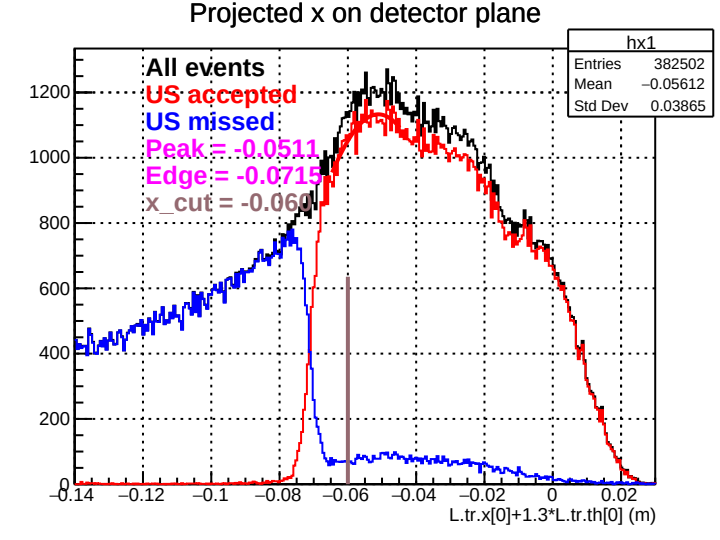
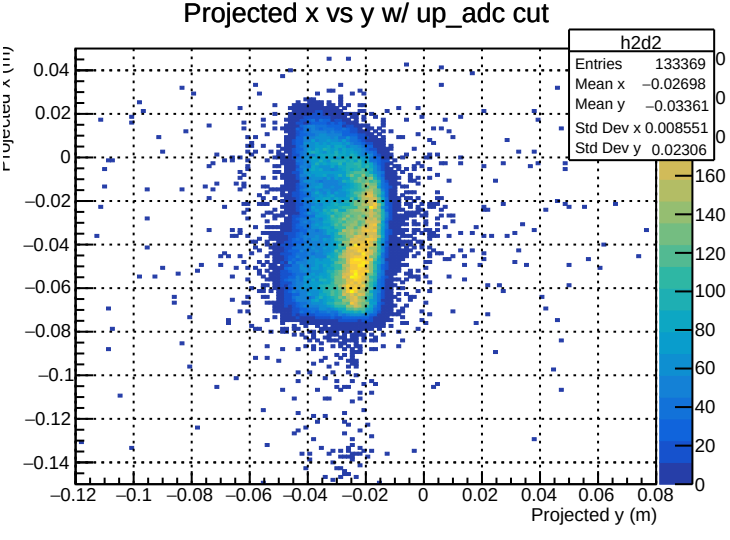
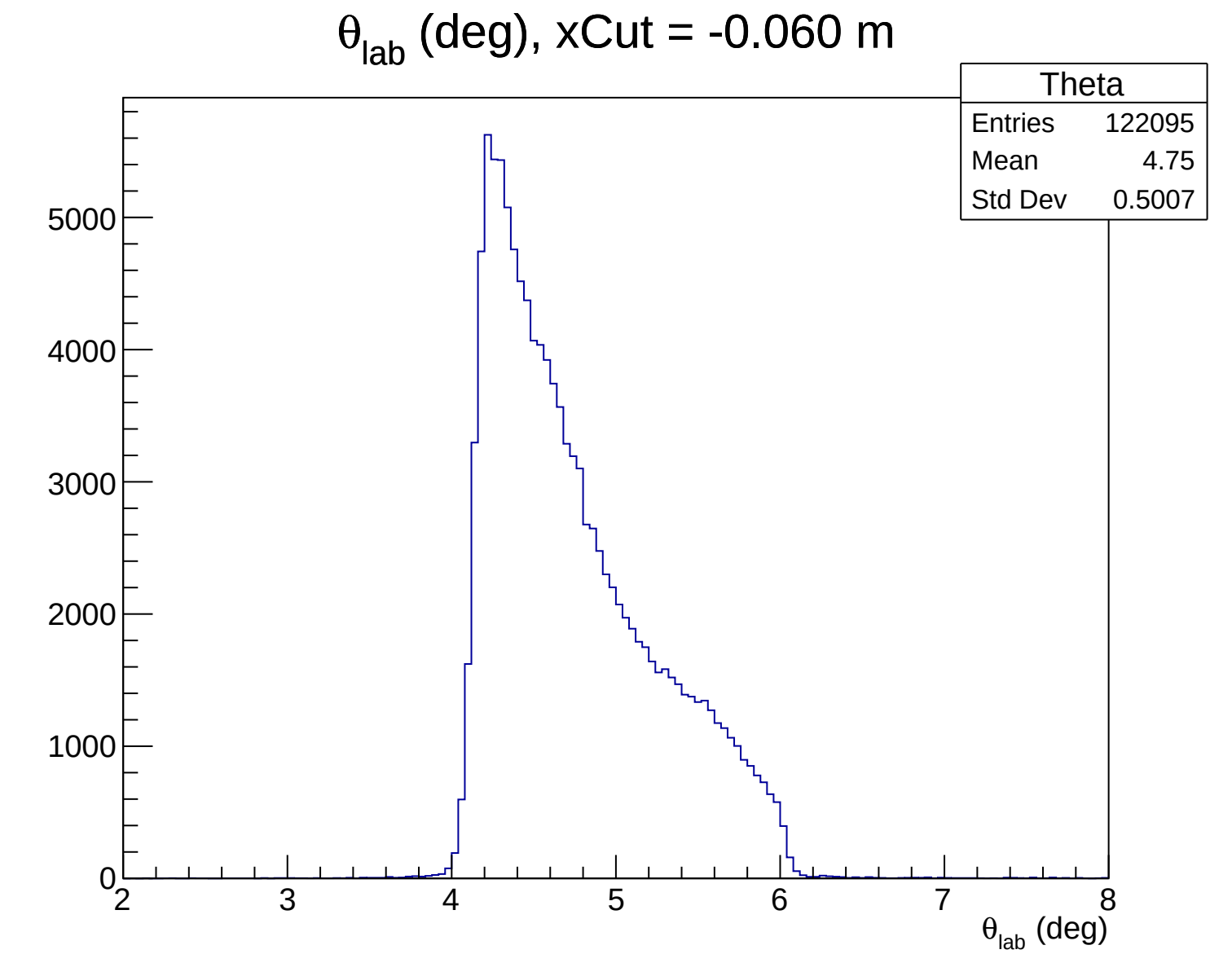
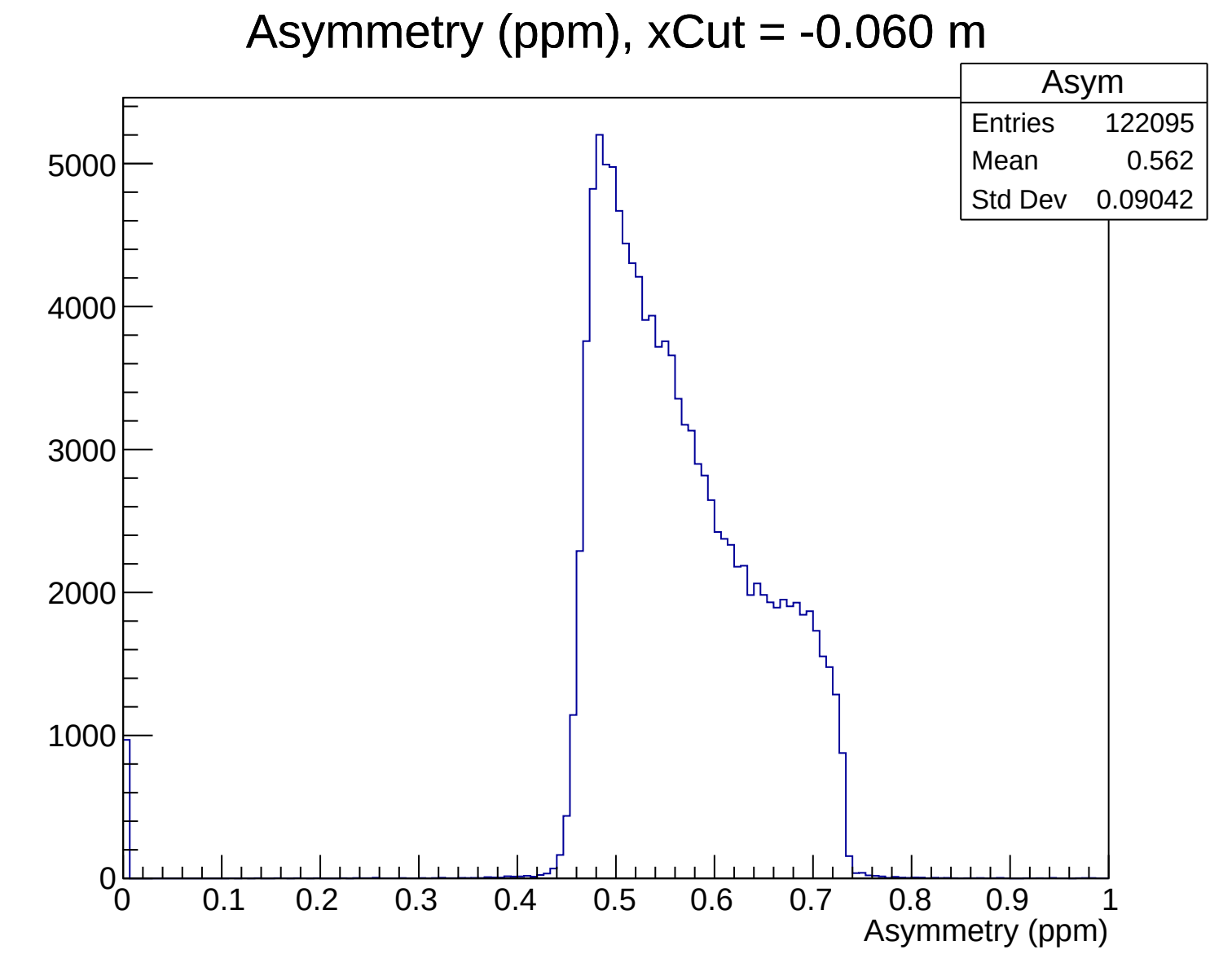

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

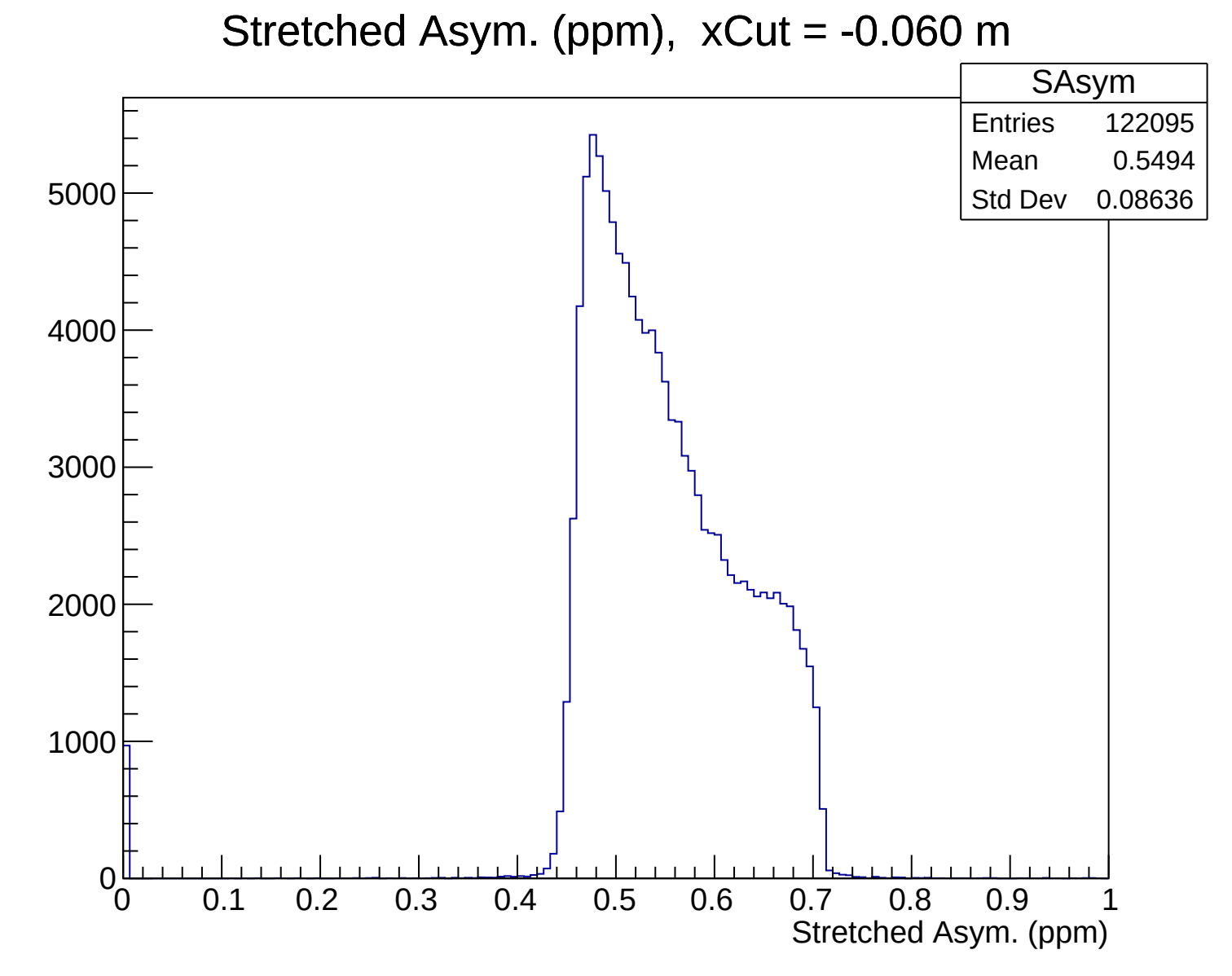

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

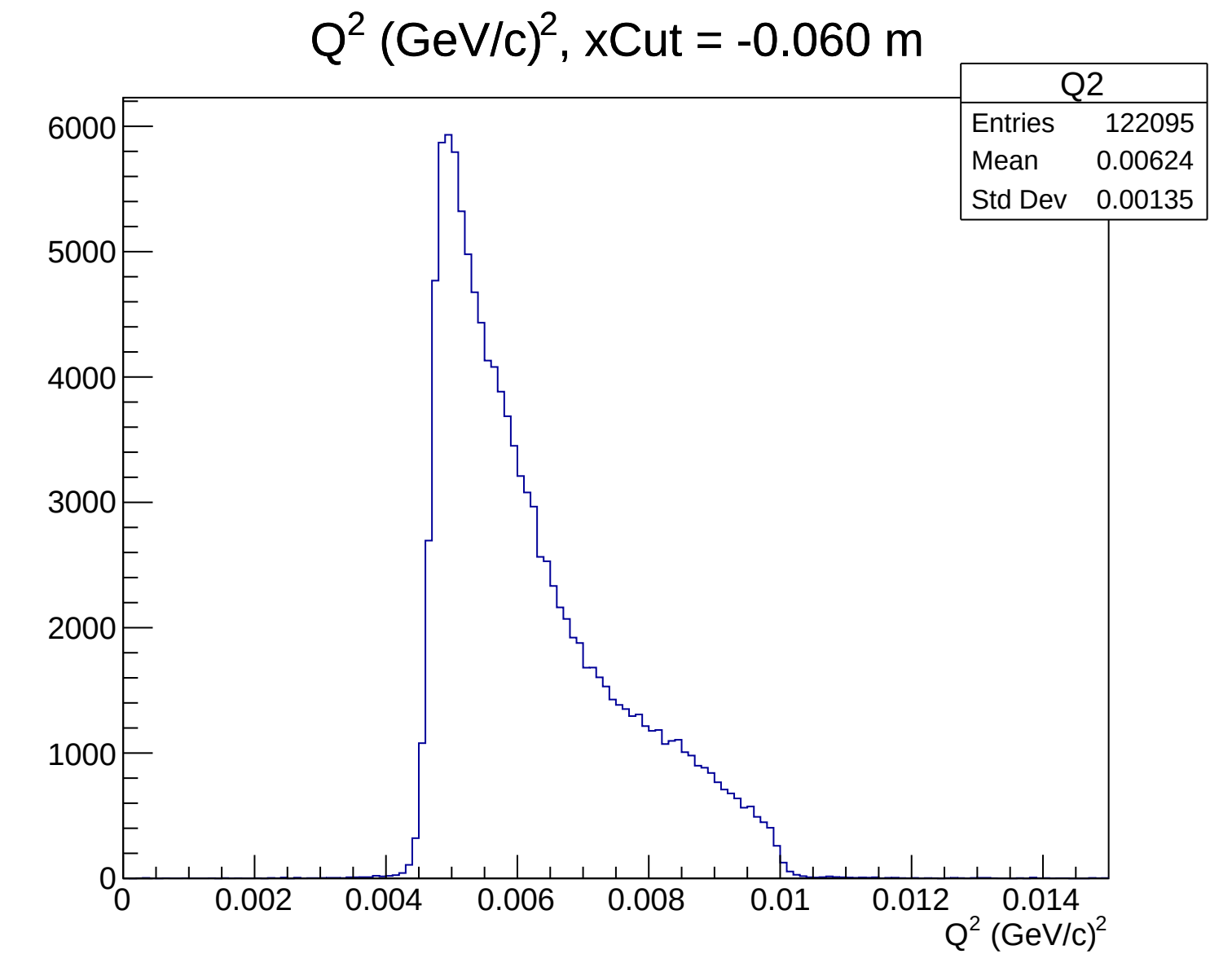

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

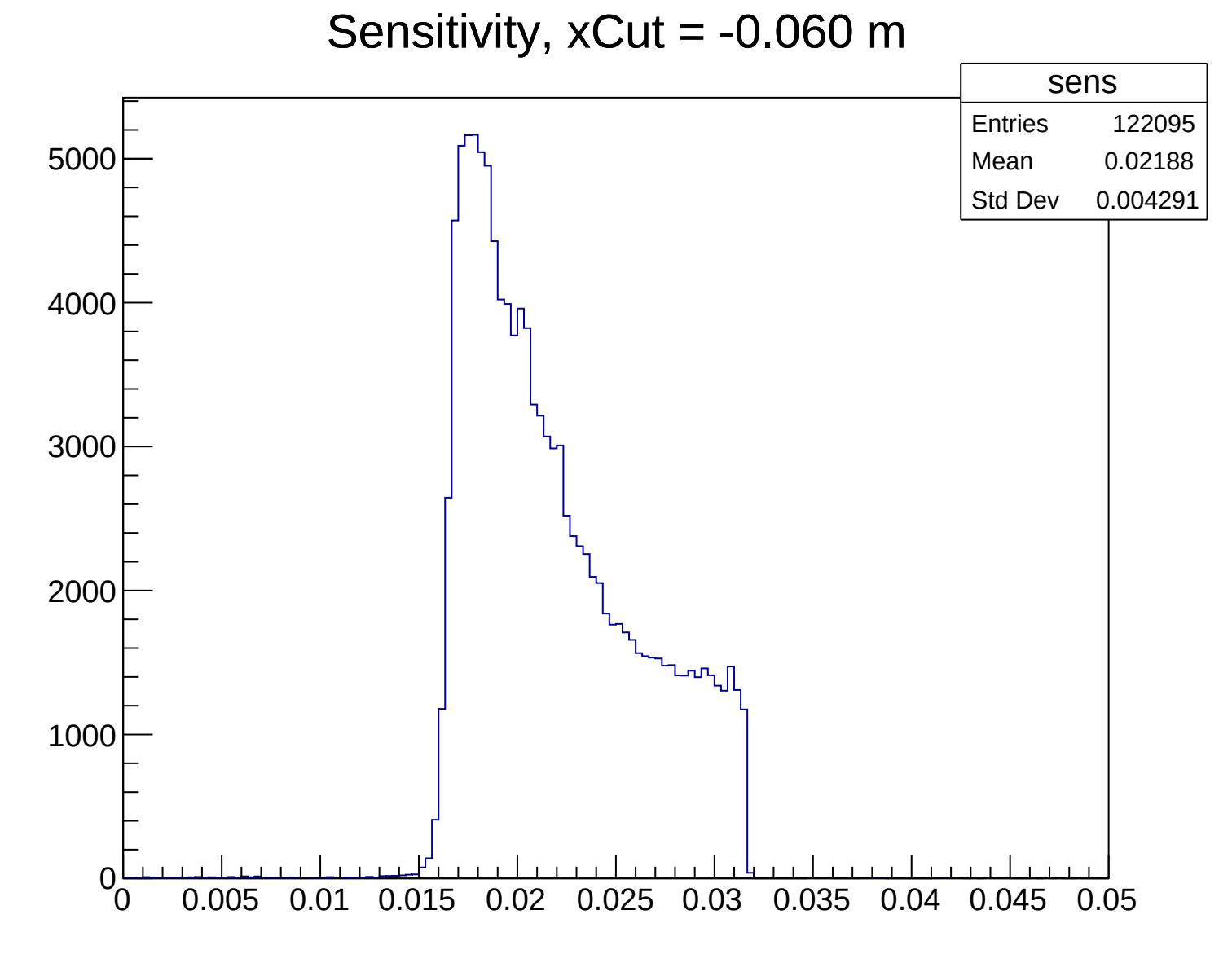

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

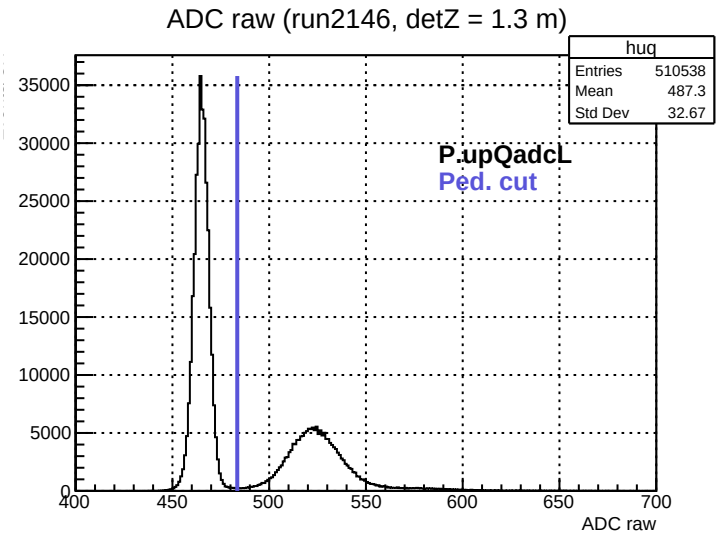

θlab (deg), xCut = -0.060 m
Theta
Entries 122095
Mean 4.75
Std Dev 0.5007
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

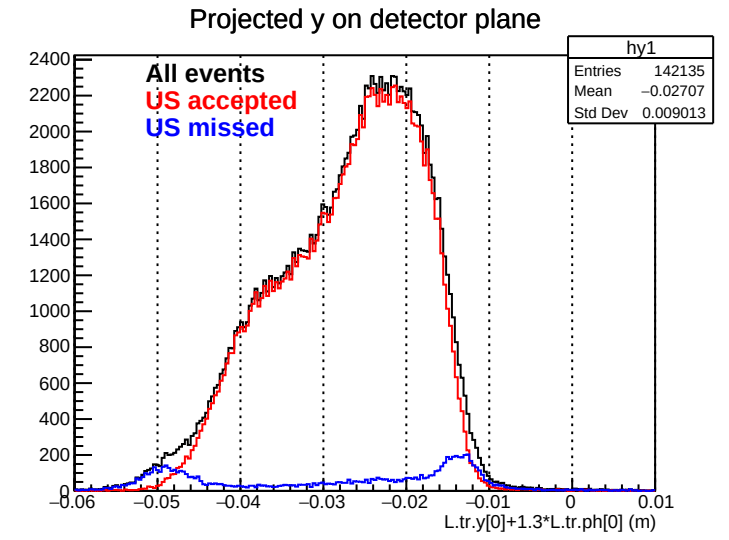

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 122095
Mean 0.562
Std Dev 0.09042
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

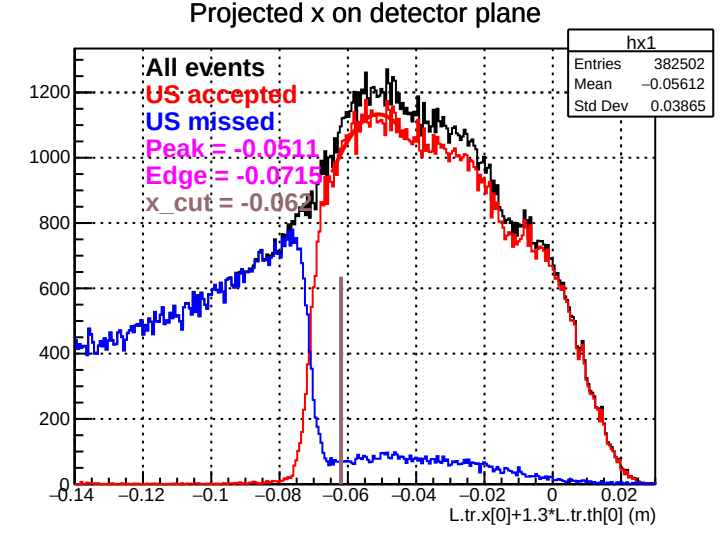

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 122095
Mean 0.5494
Std Dev 0.08636
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

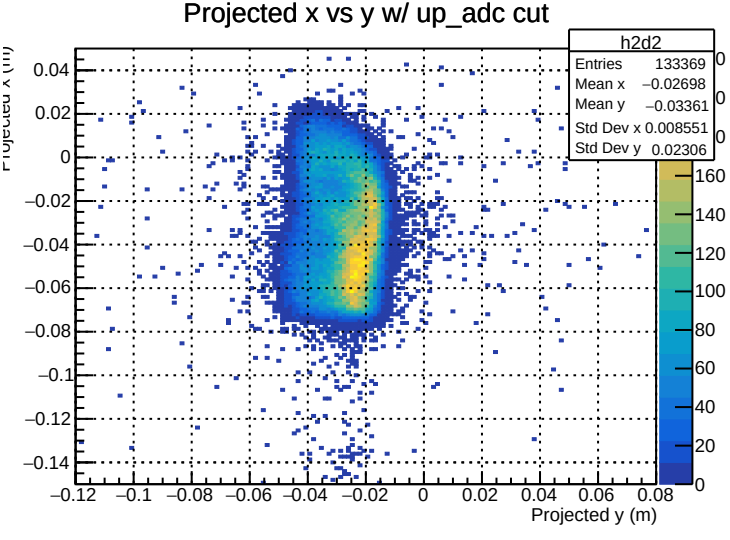

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 122095
Mean 0.00624
Std Dev 0.00135
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

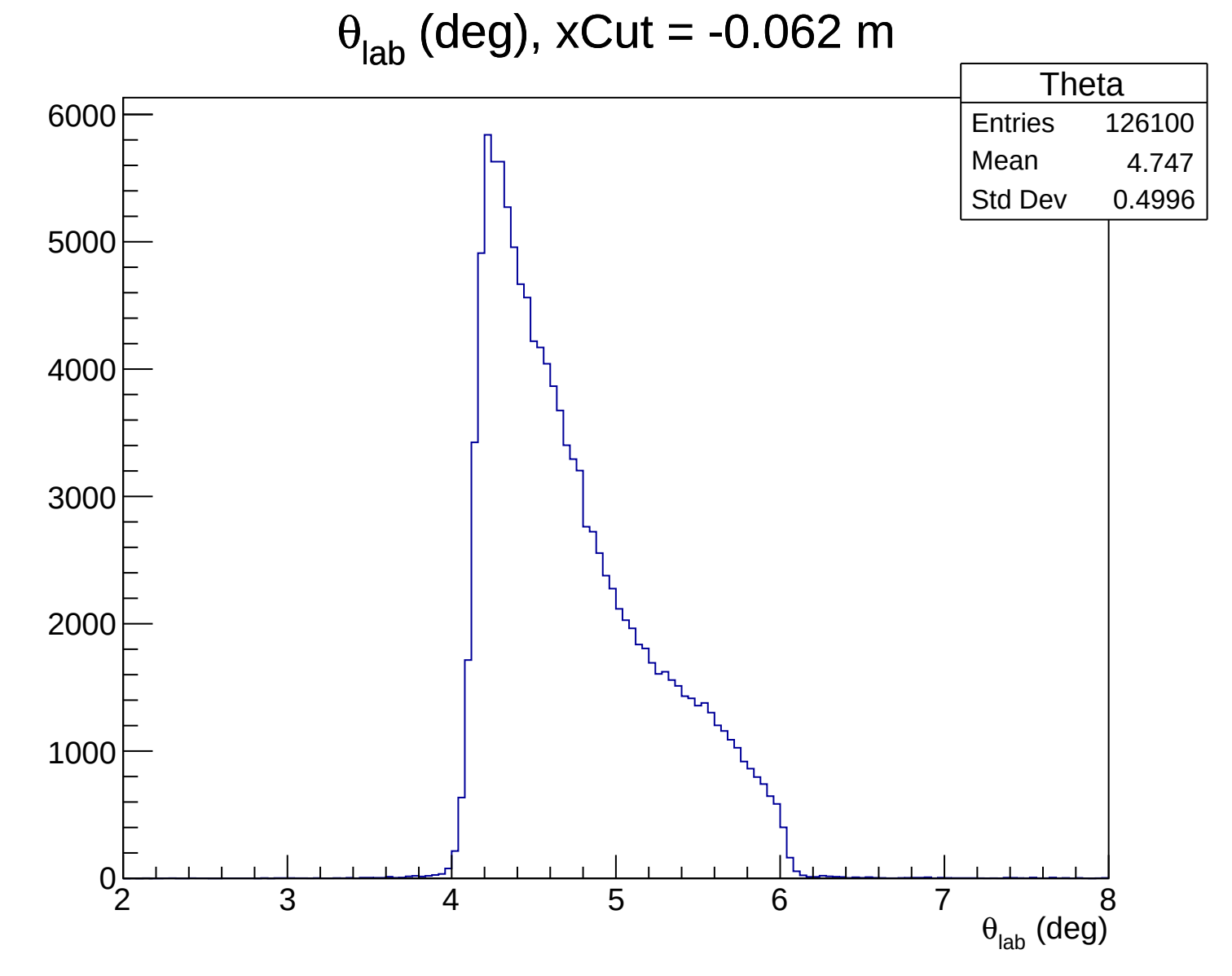

Sensitivity, xCut = -0.060 m
sens
Entries 122095
Mean 0.02188
Std Dev 0.004291
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

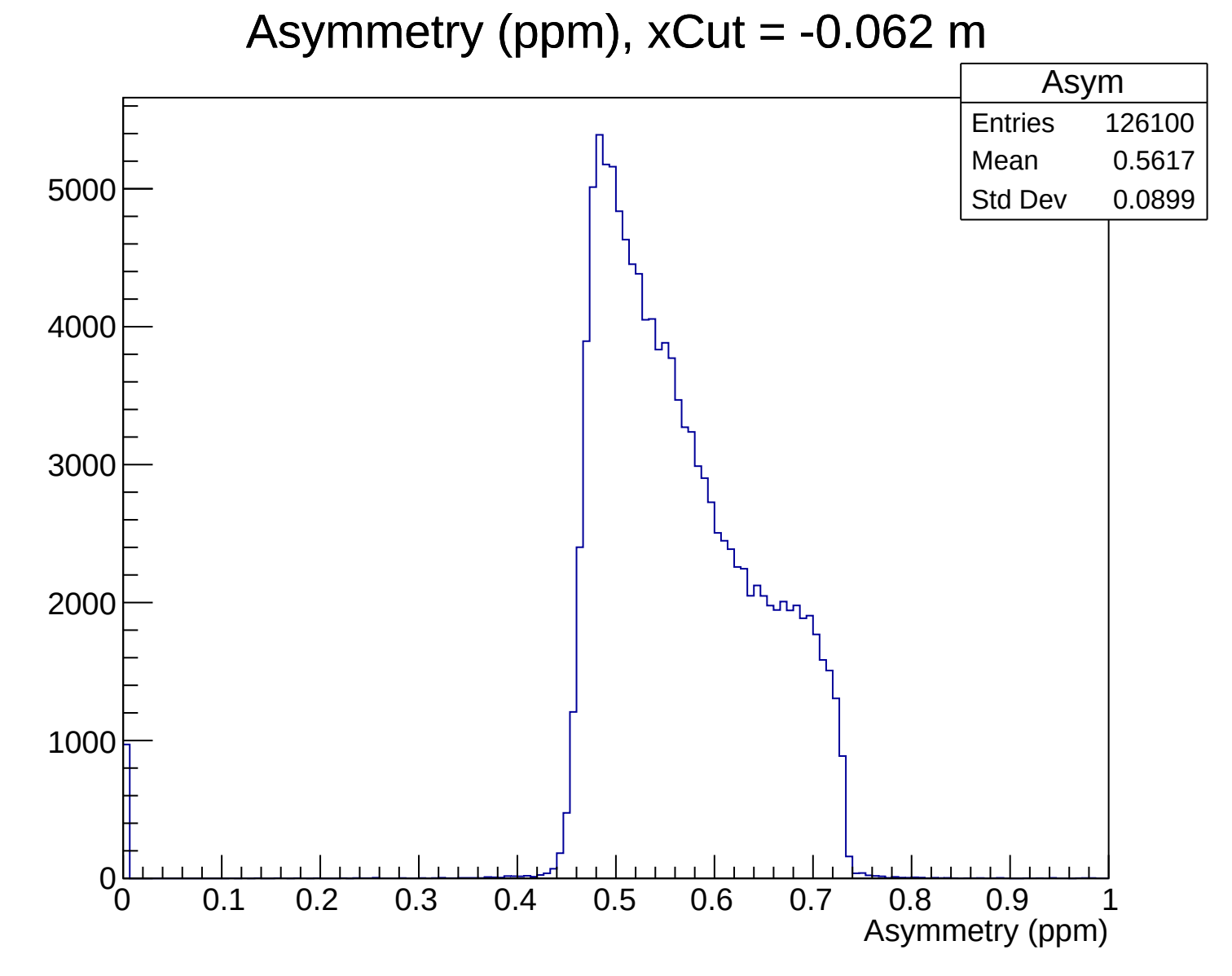

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

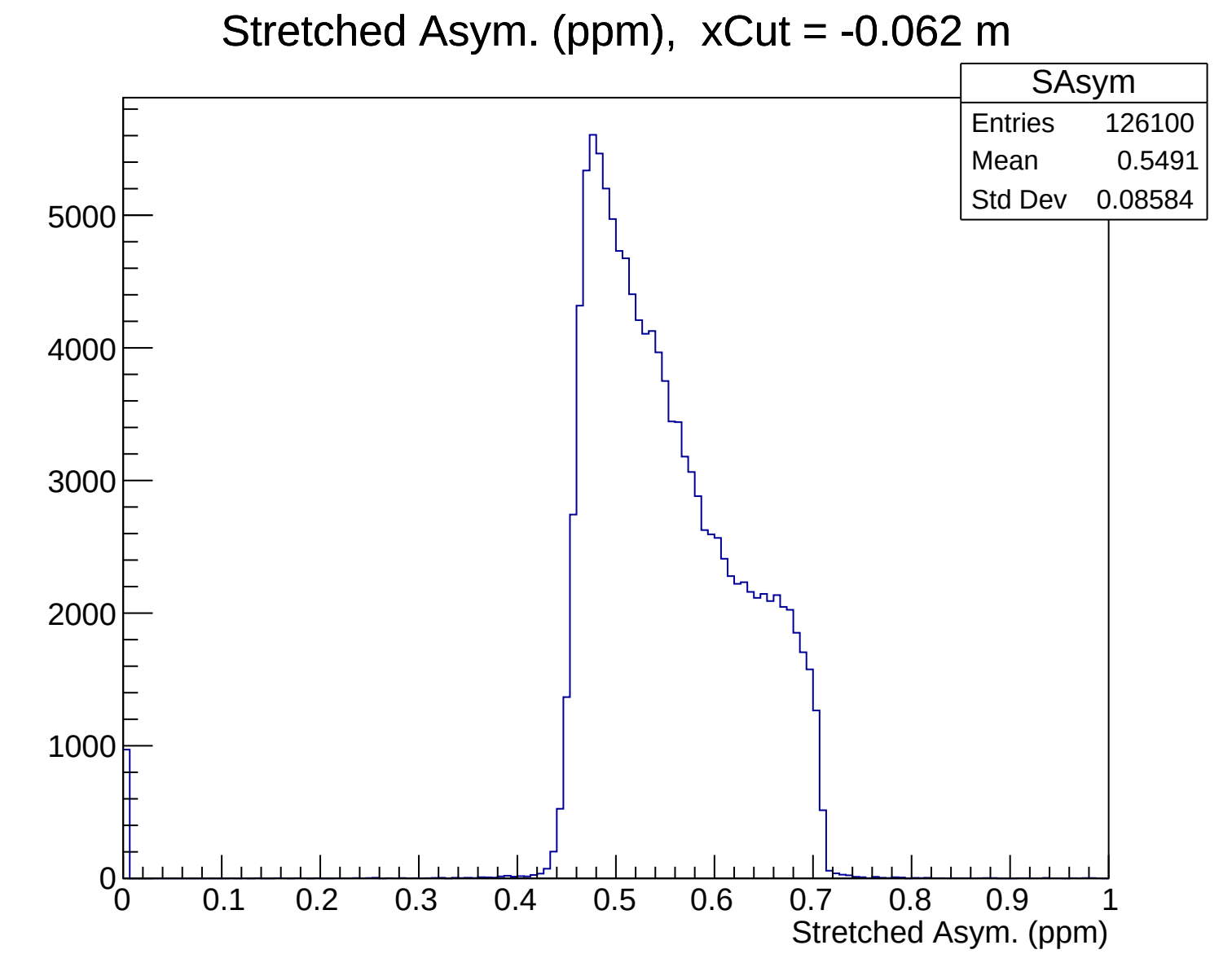

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

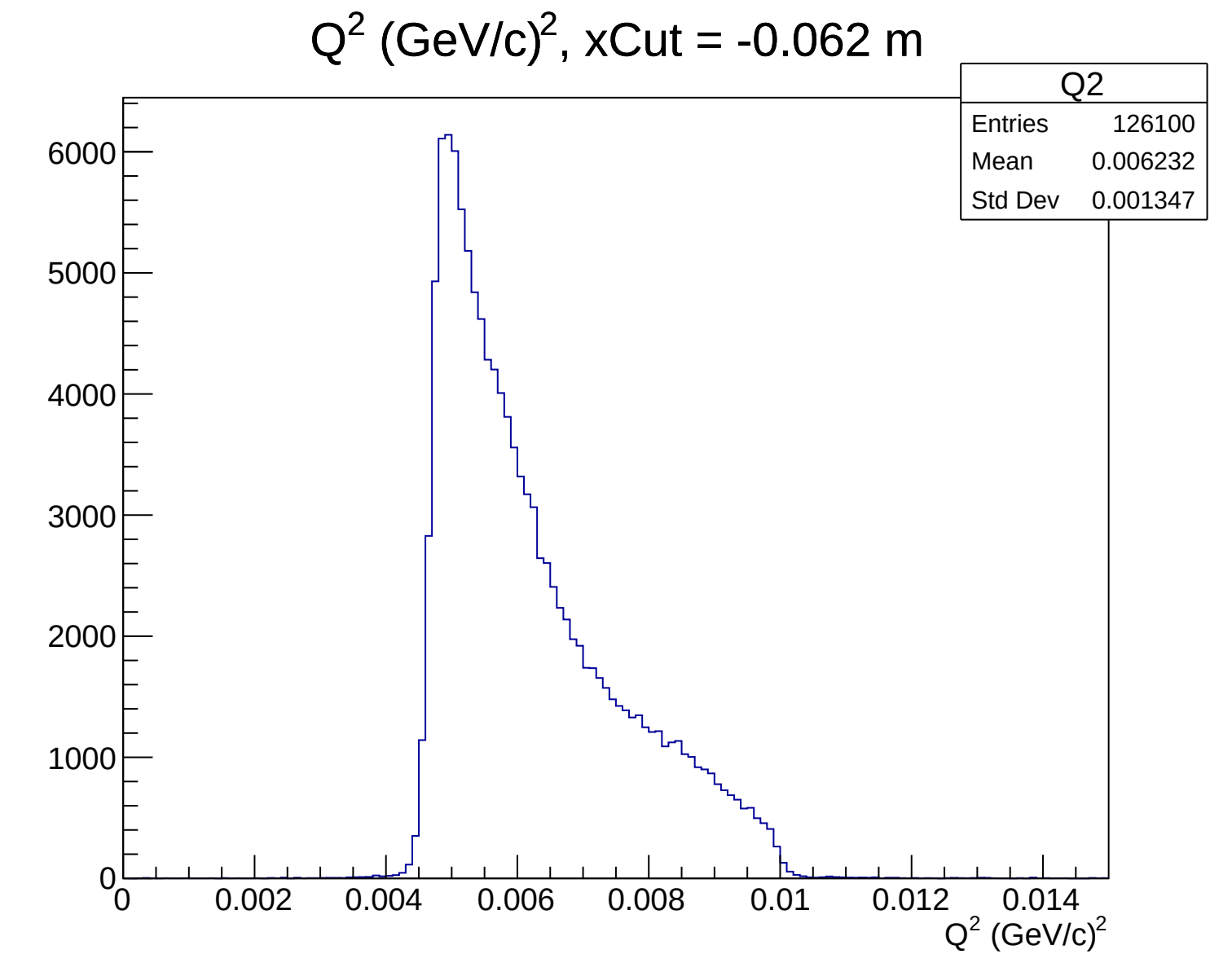

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

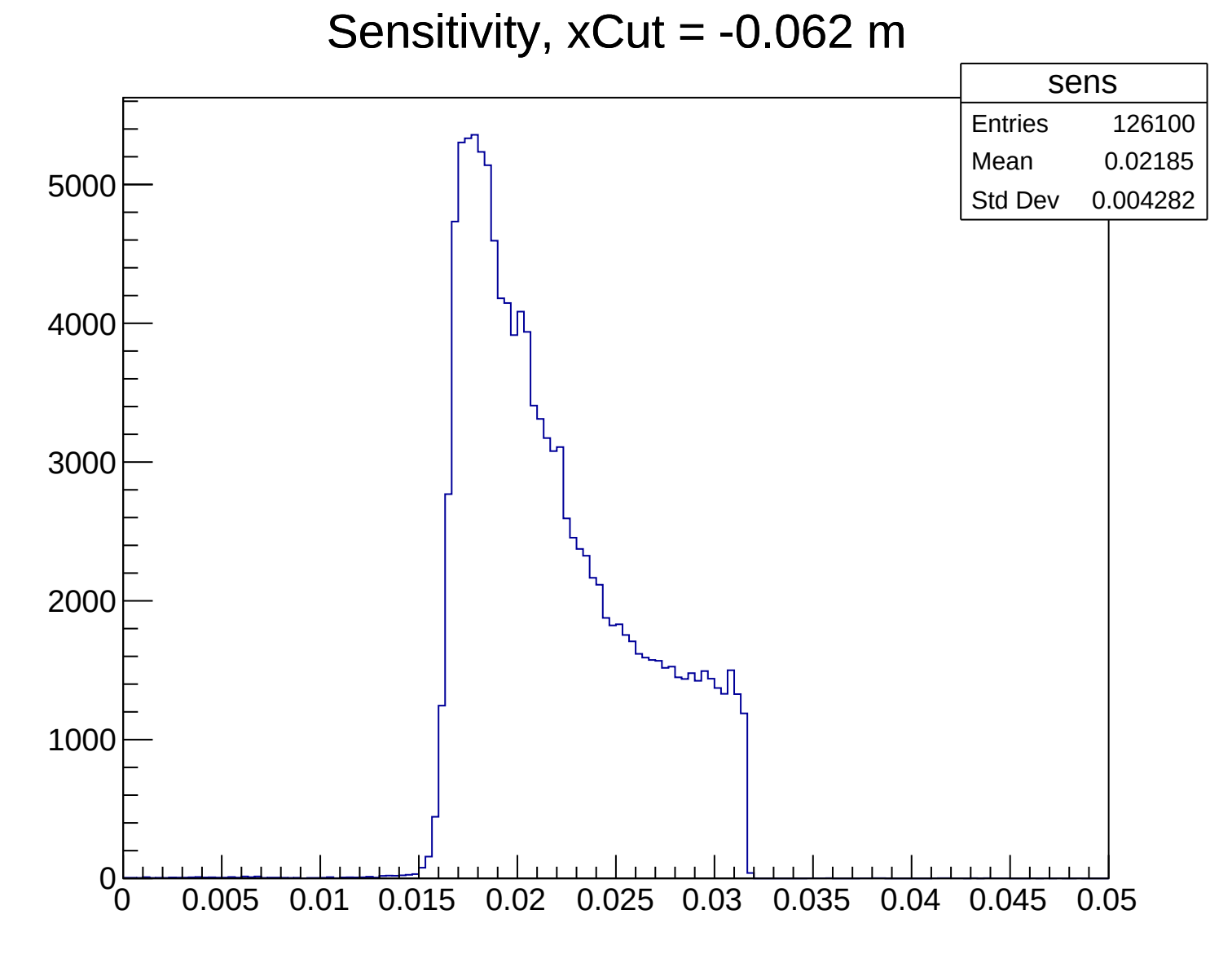

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

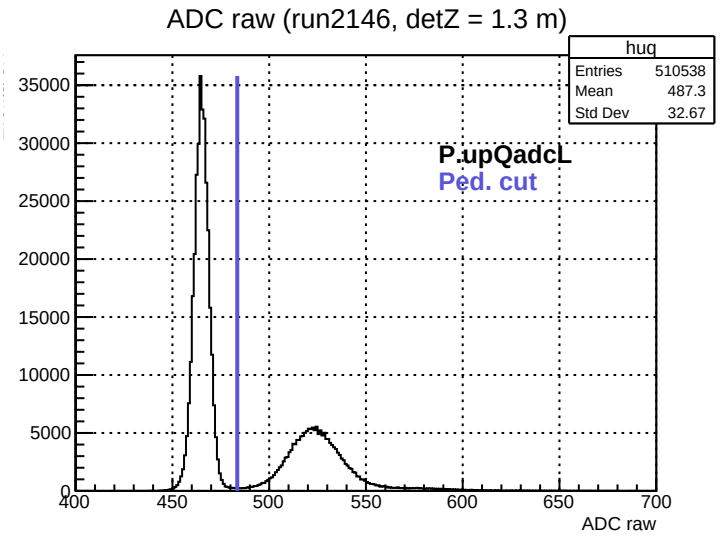

θlab (deg), xCut = -0.062 m
Theta
Entries 126100
Mean 4.747
Std Dev 0.4996
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

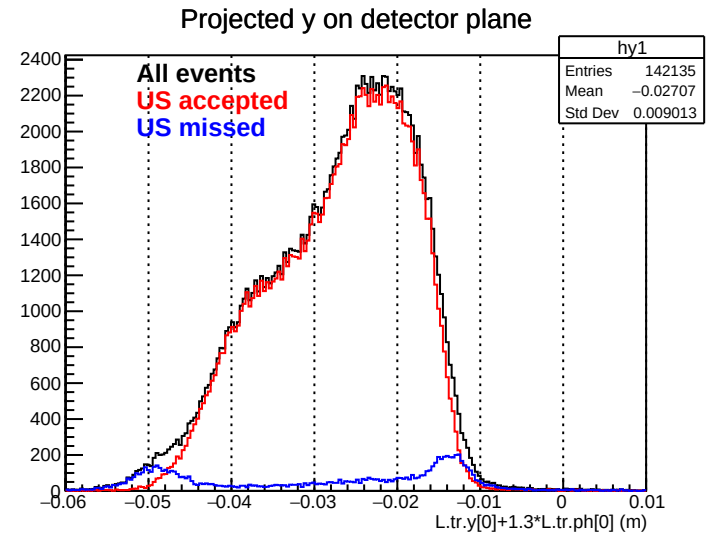

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 126100
Mean 0.5617
Std Dev 0.0899
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

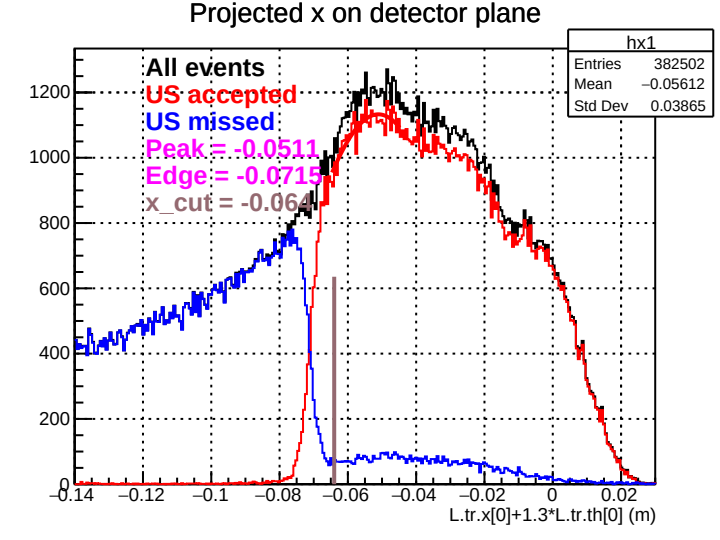

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 126100
Mean 0.5491
Std Dev 0.08584
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

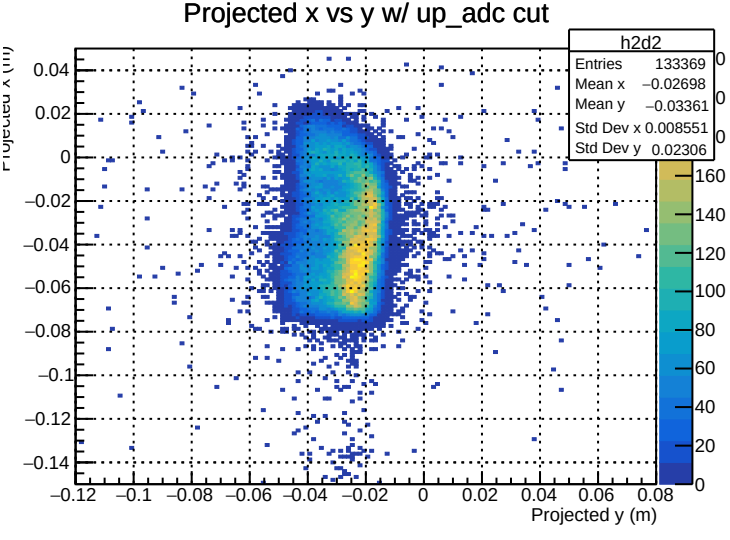

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 126100
Mean 0.006232
Std Dev 0.001347
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

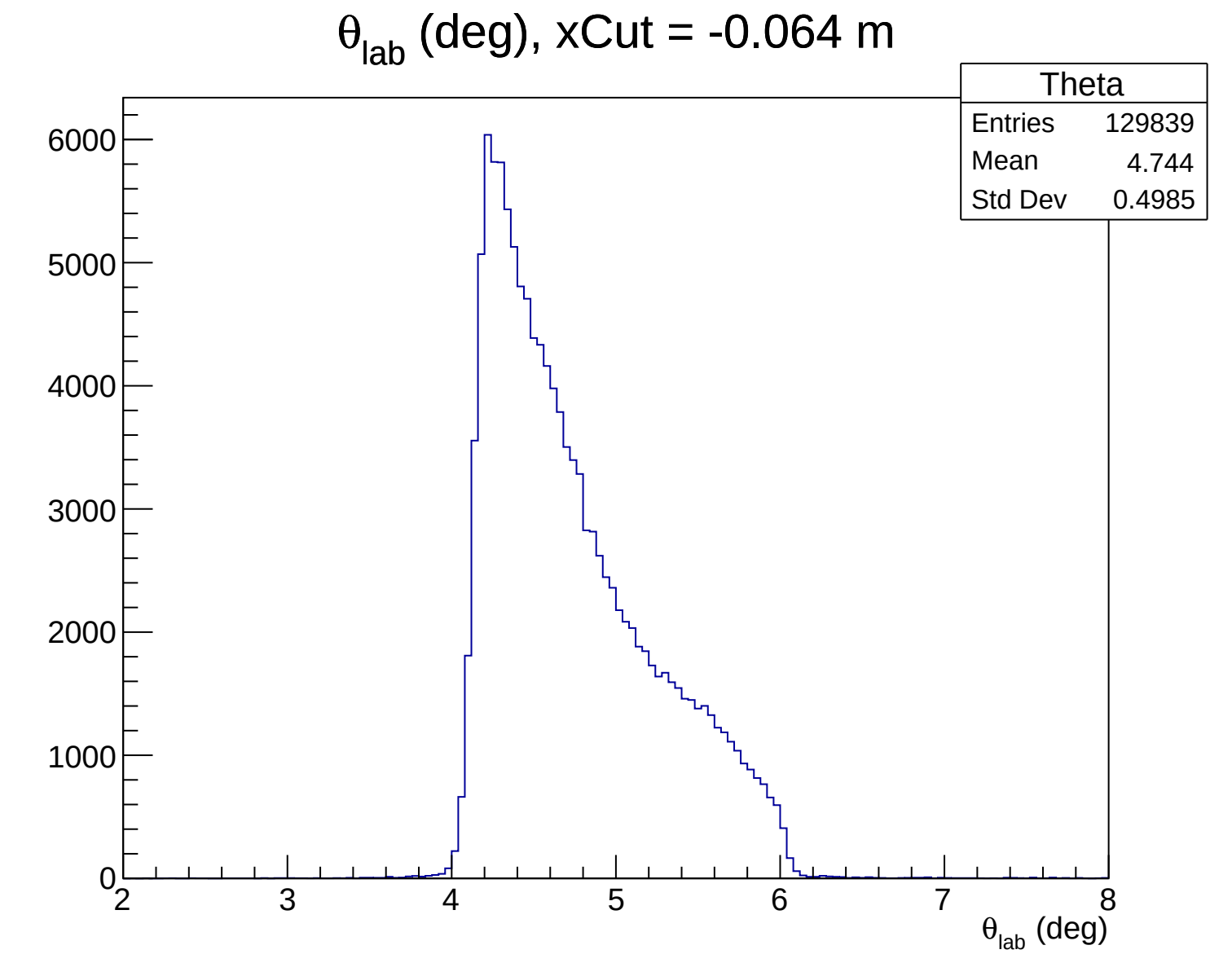

Sensitivity, xCut = -0.062 m
sens
Entries 126100
Mean 0.02185
Std Dev 0.004282
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

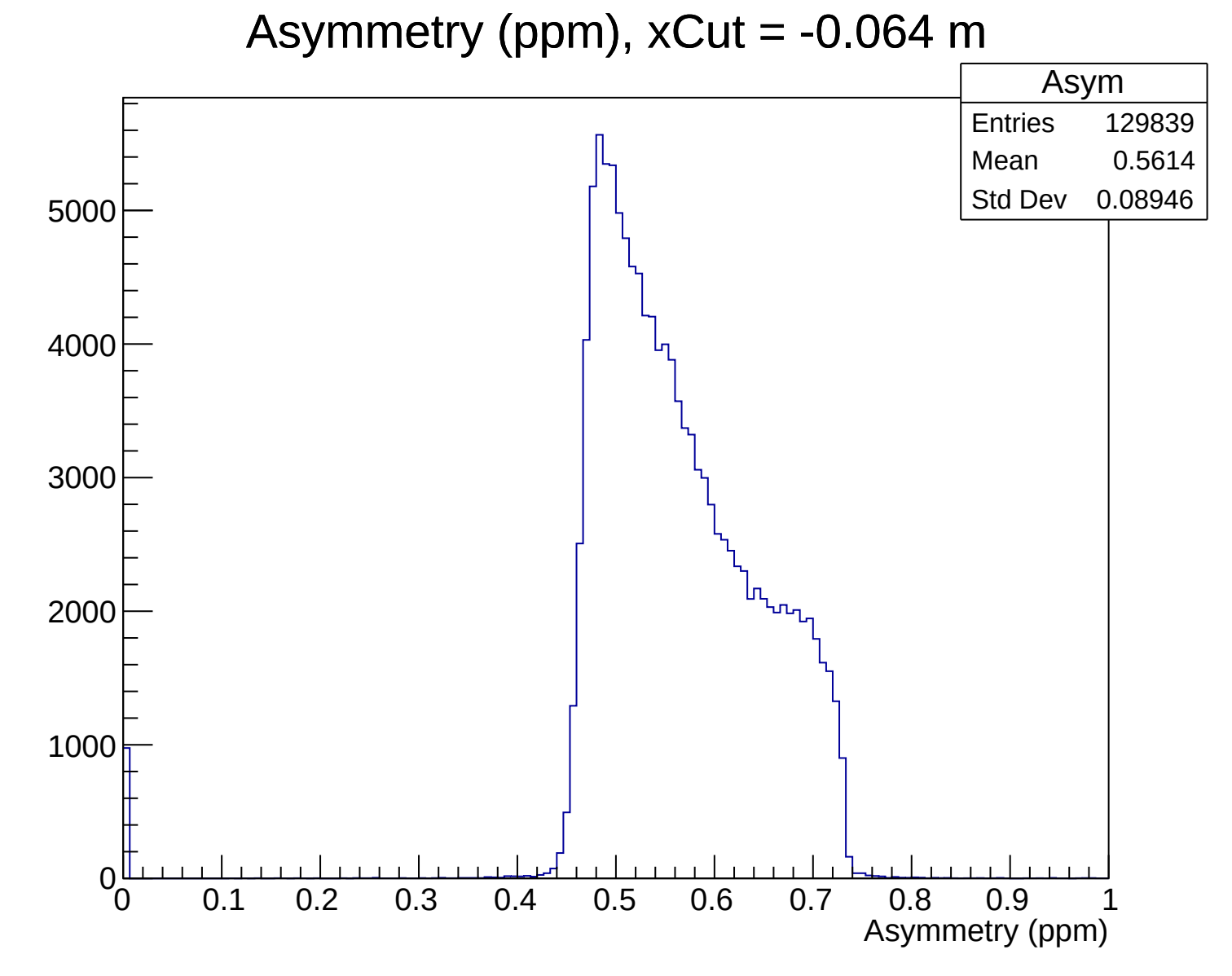

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

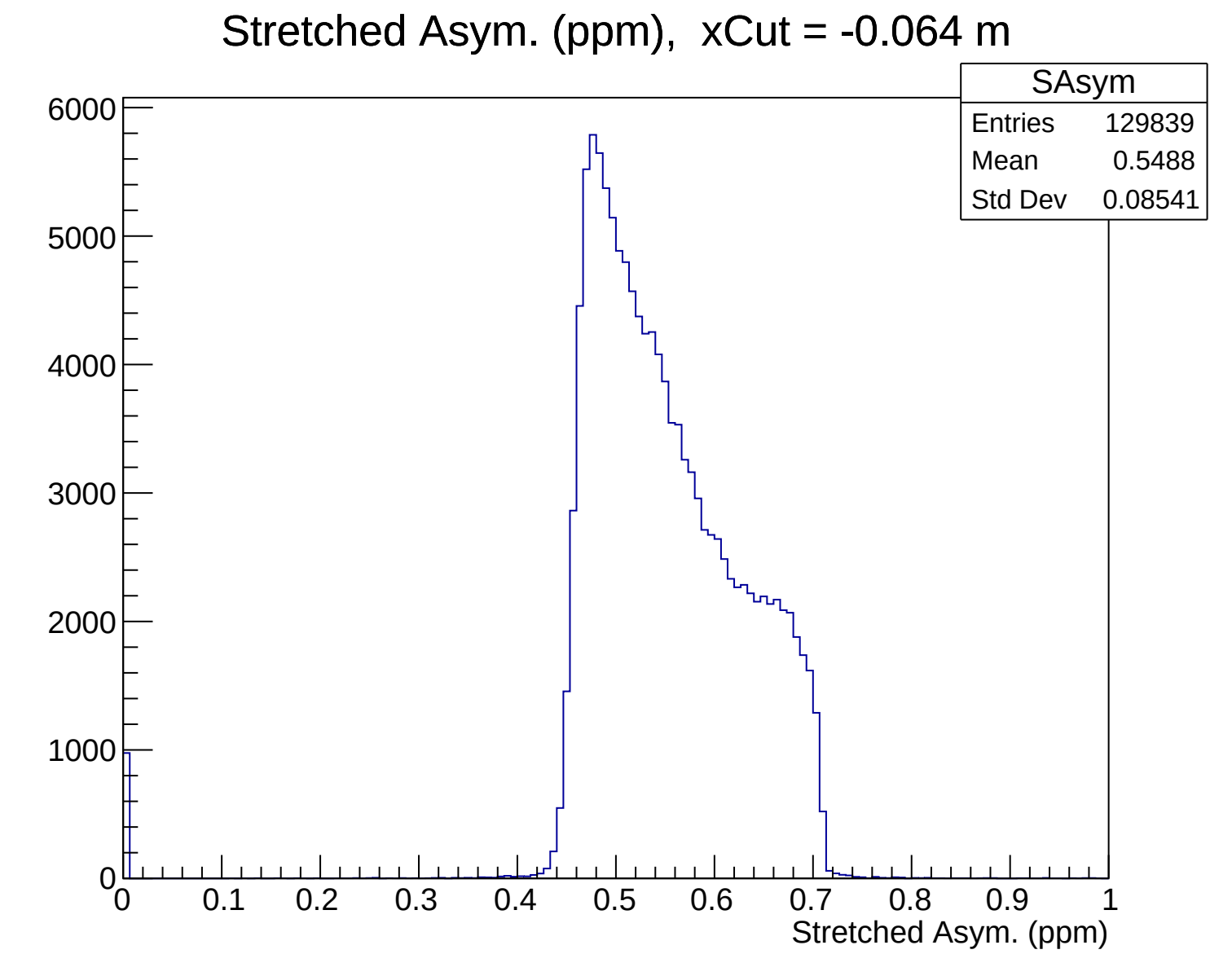

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

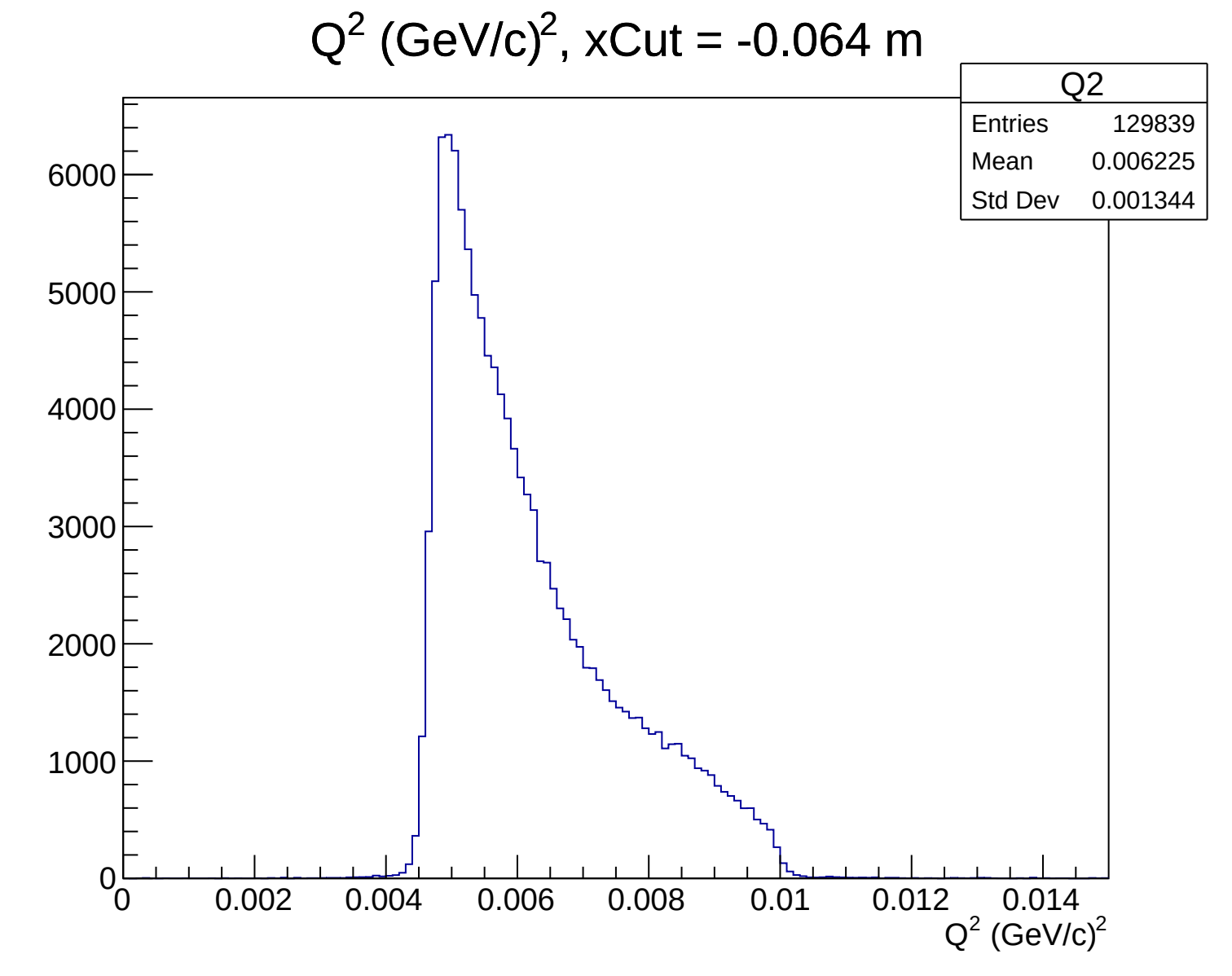

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

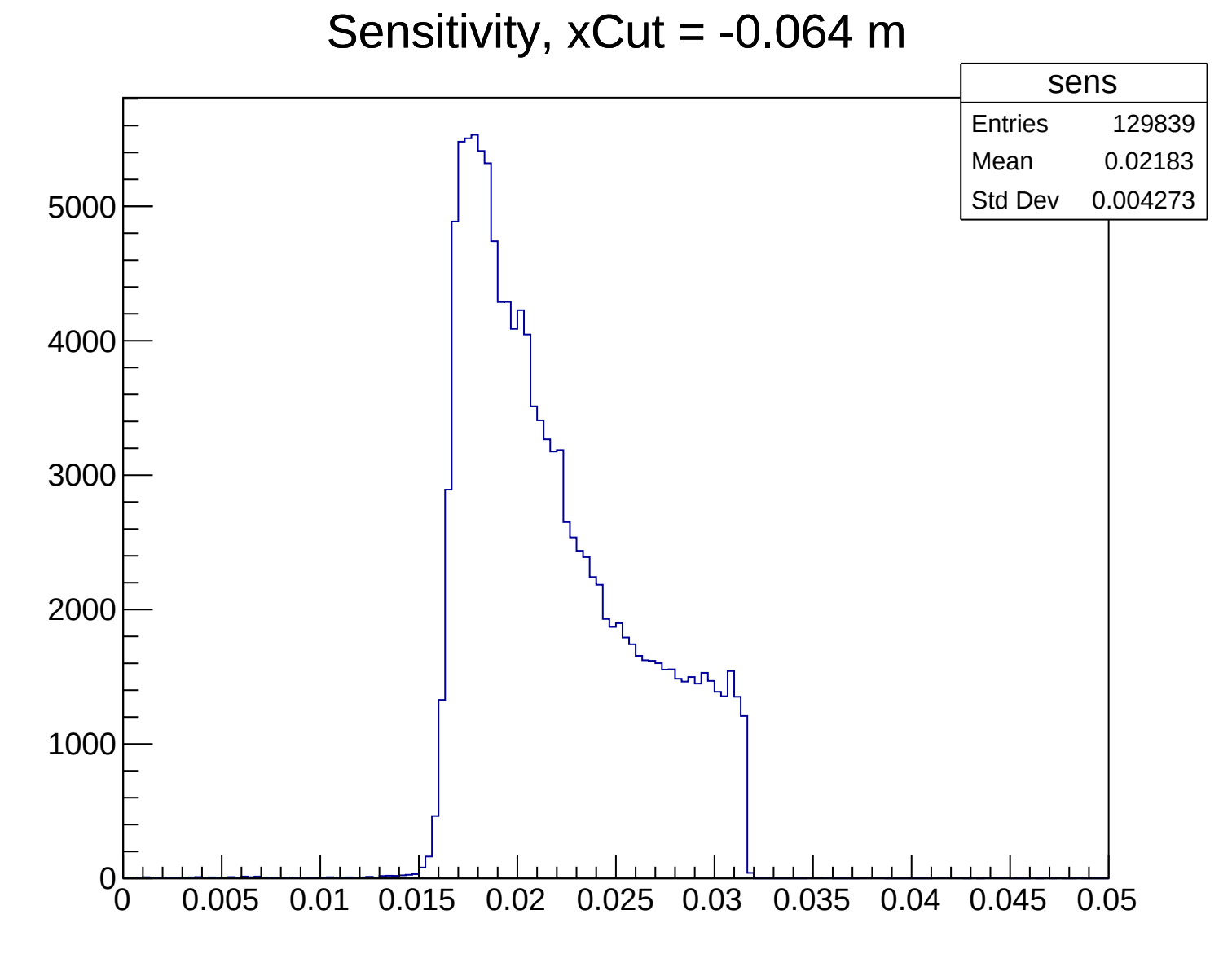

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

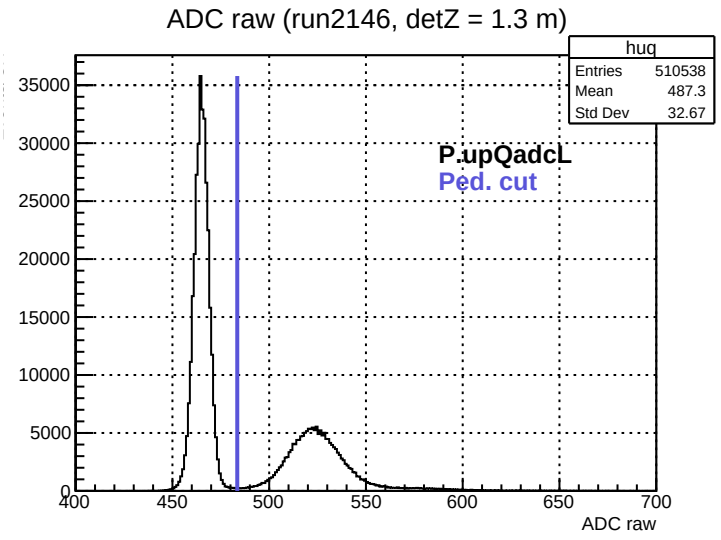

θlab (deg), xCut = -0.064 m
Theta
Entries 129839
Mean 4.744
Std Dev 0.4985
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

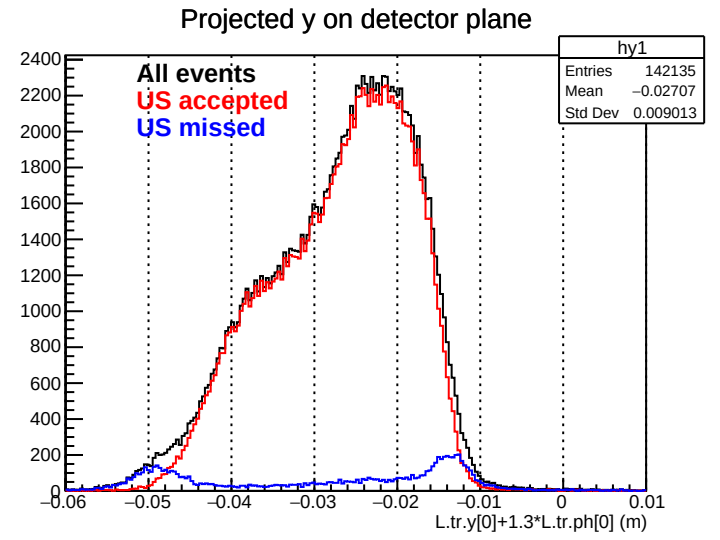

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 129839
Mean 0.5614
Std Dev 0.08946
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

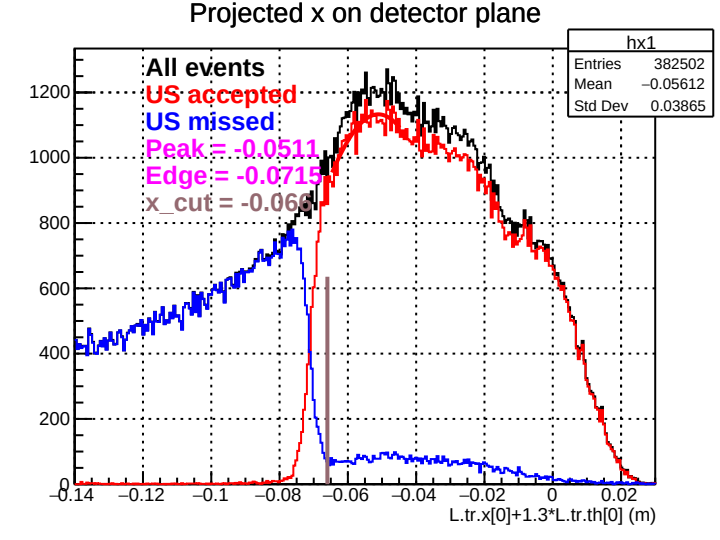

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 129839
Mean 0.5488
Std Dev 0.08541
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

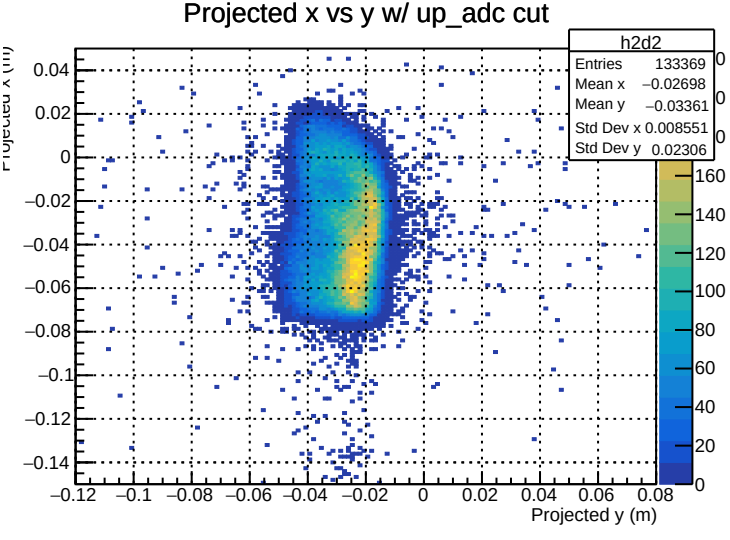

Q^2 $(GeV/c)^2$, xCut = -0.064 m
Q2
Entries 129839
Mean 0.006225
Std Dev 0.001344
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

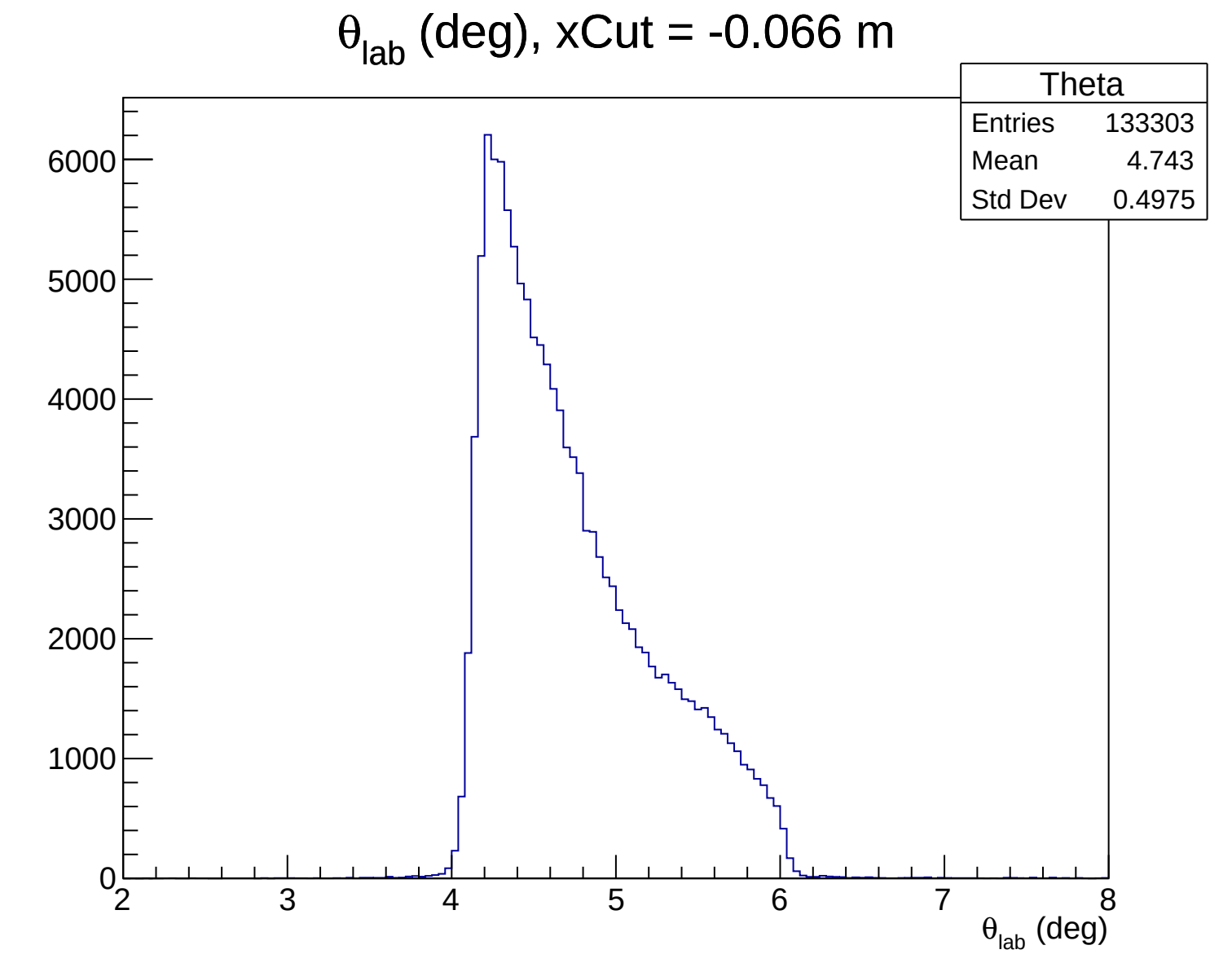

Sensitivity, xCut = -0.064 m
sens
Entries 129839
Mean 0.02183
Std Dev 0.004273
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

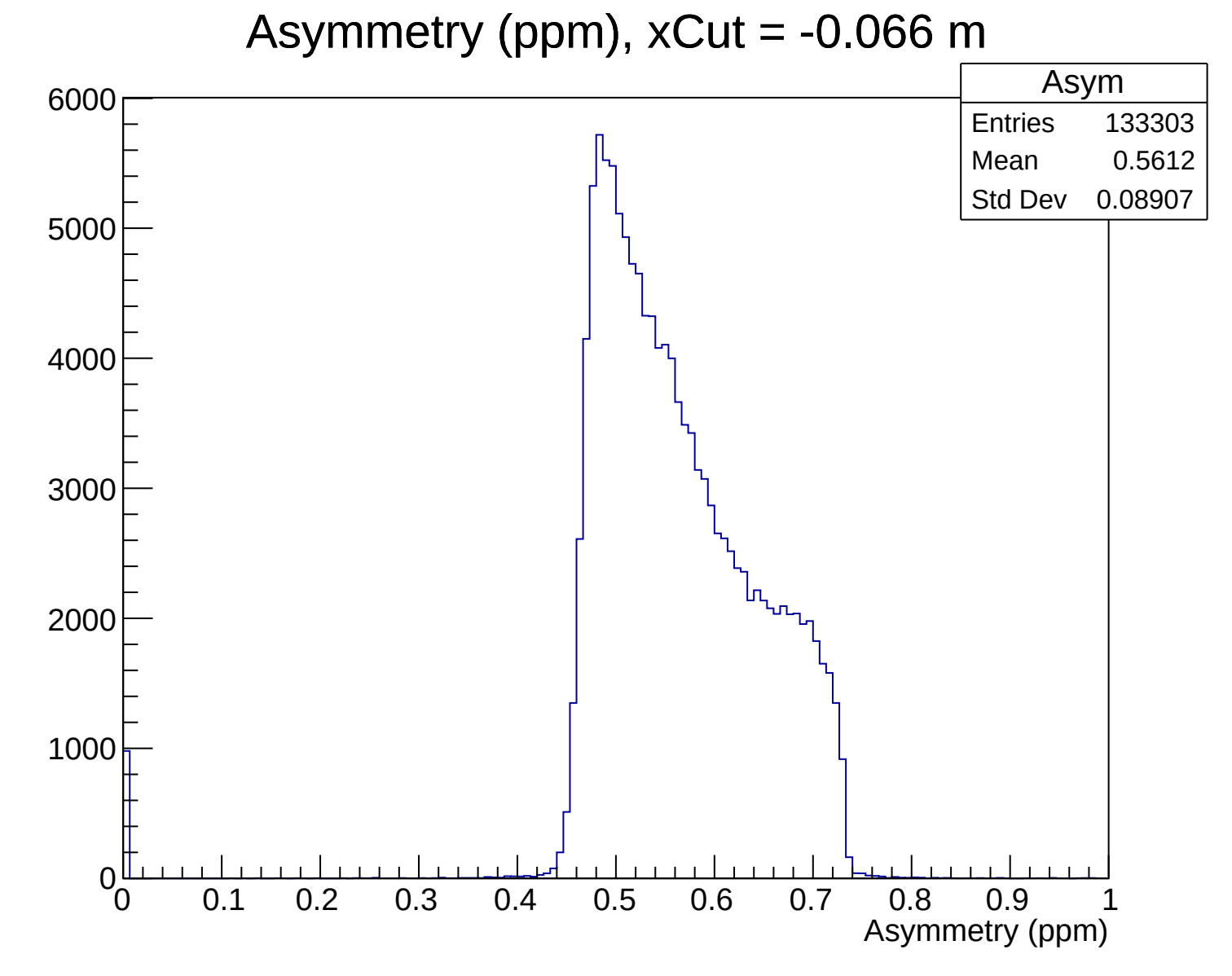

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

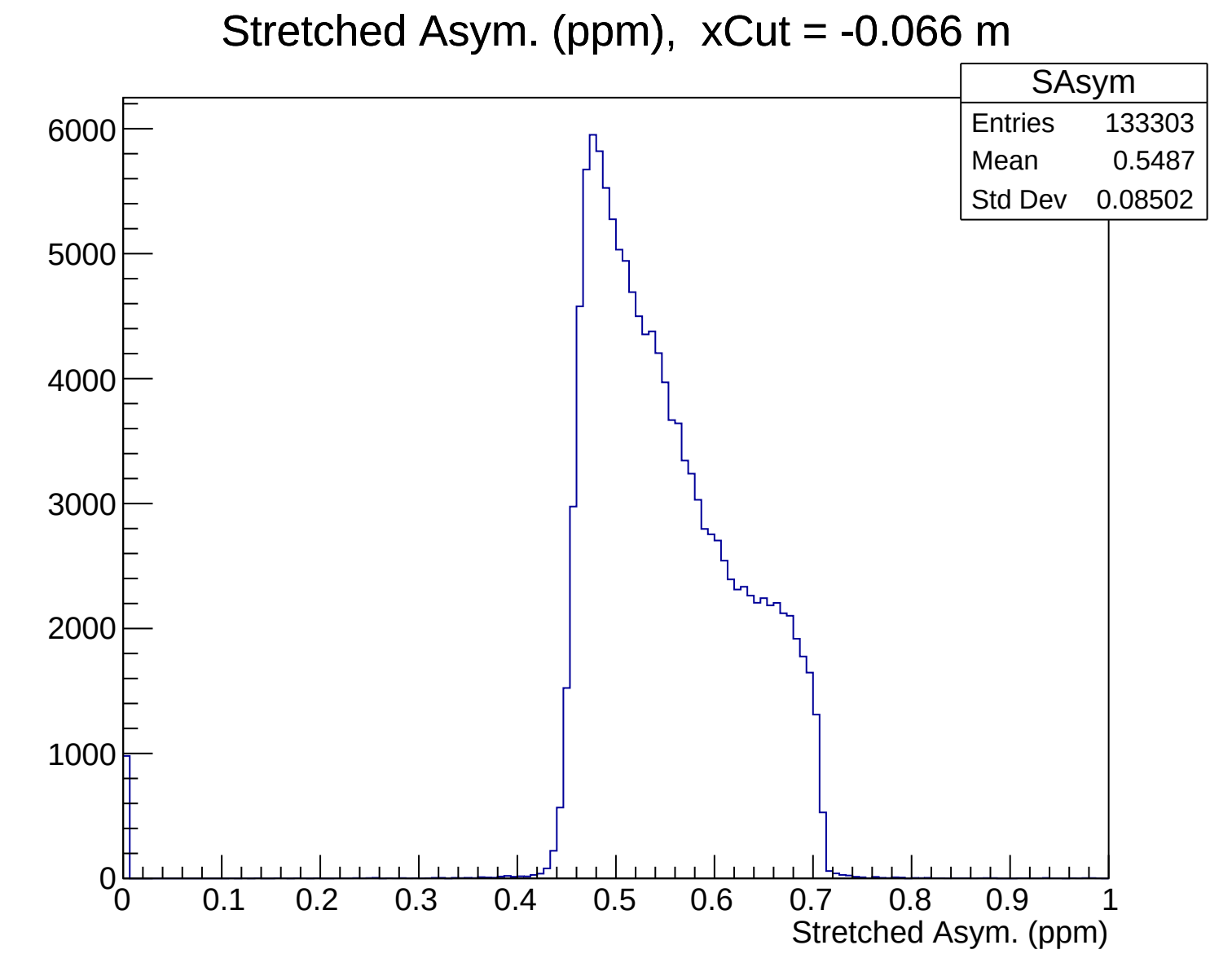

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

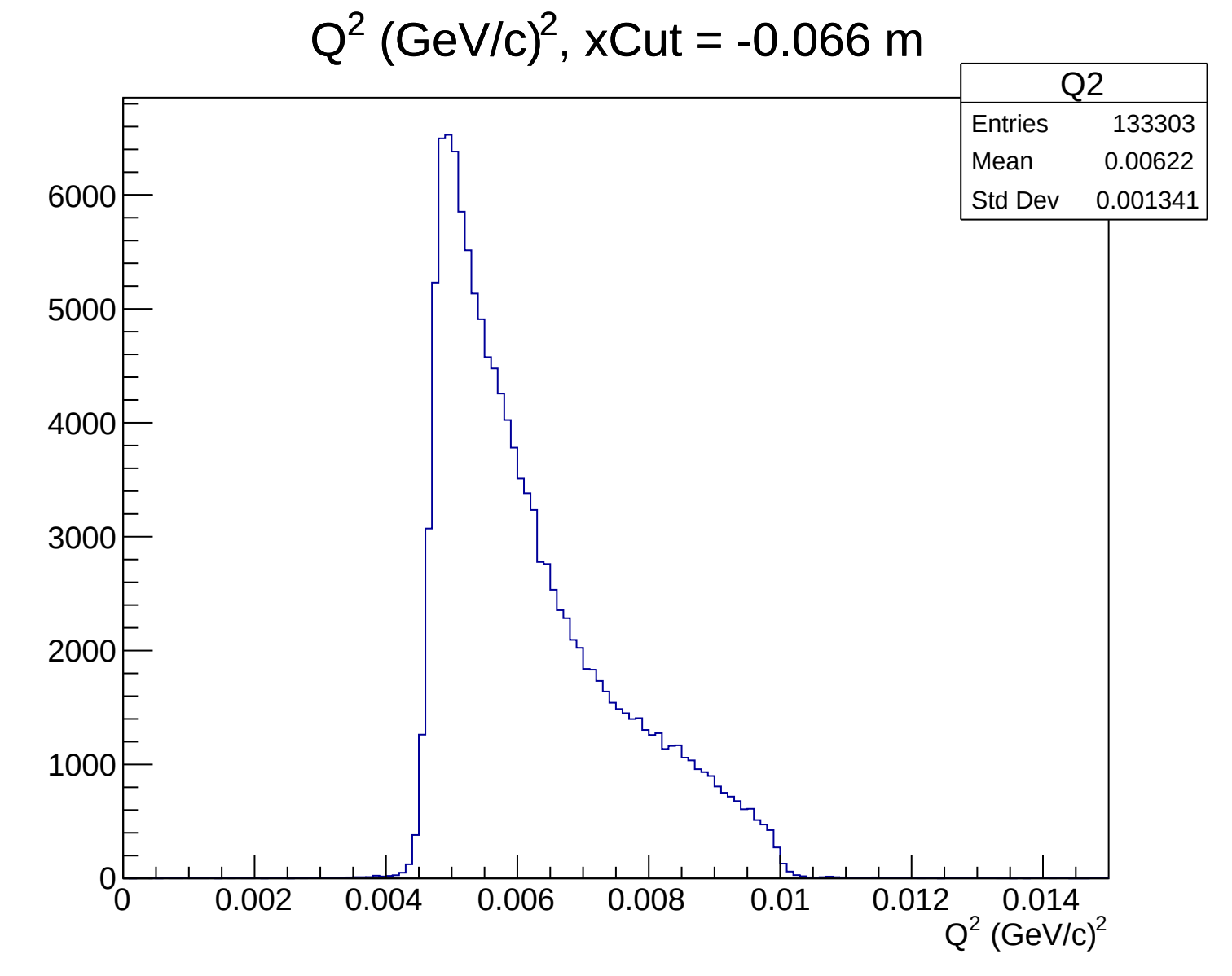

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.066
L.tr.x[0]+1.3*L.tr.th[0] (m)

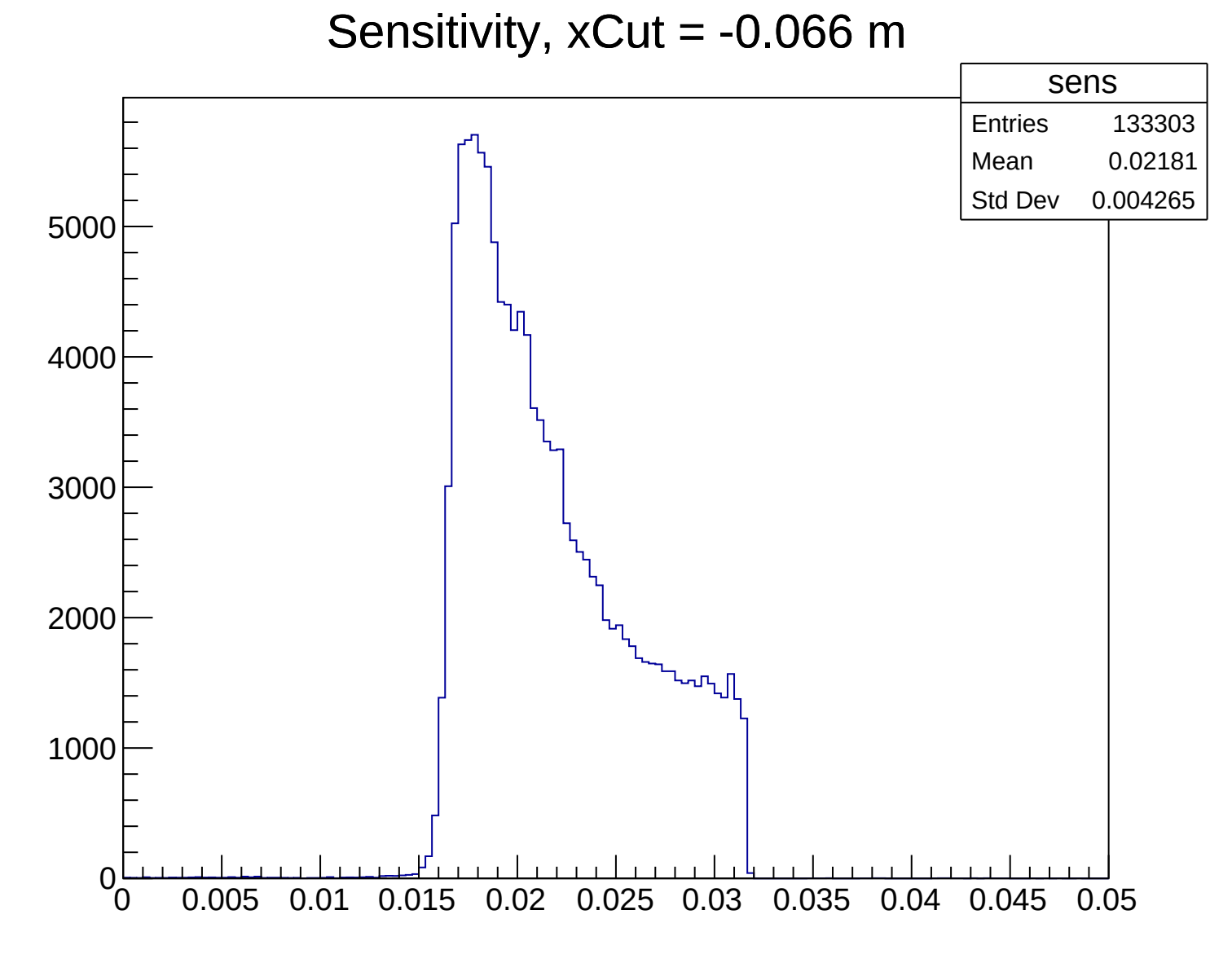

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

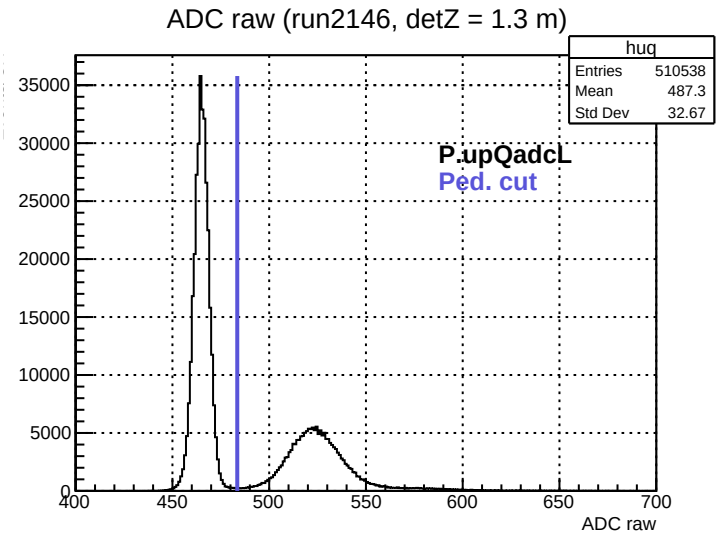

θlab (deg), xCut = -0.066 m
Theta
Entries 133303
Mean 4.743
Std Dev 0.4975
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

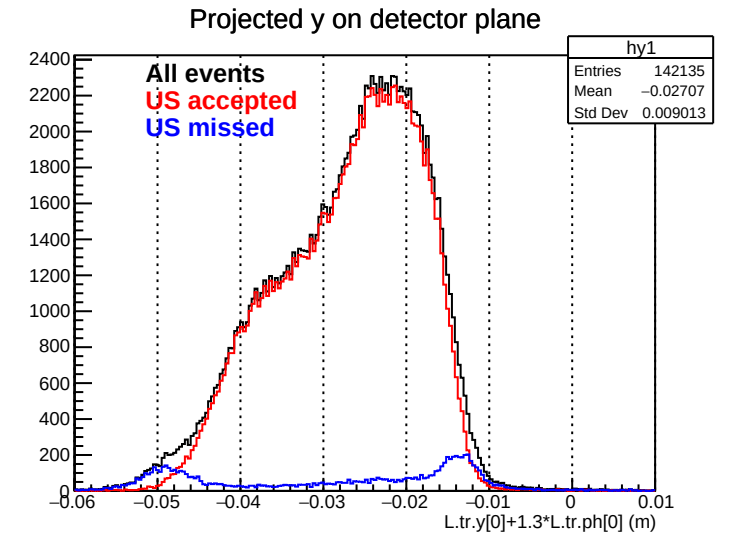

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 133303
Mean 0.5612
Std Dev 0.08907
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

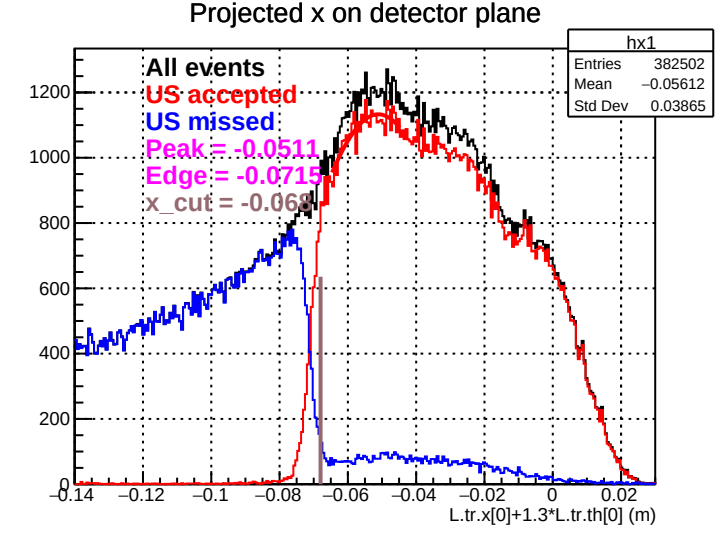

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 133303
Mean 0.5487
Std Dev 0.08502
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

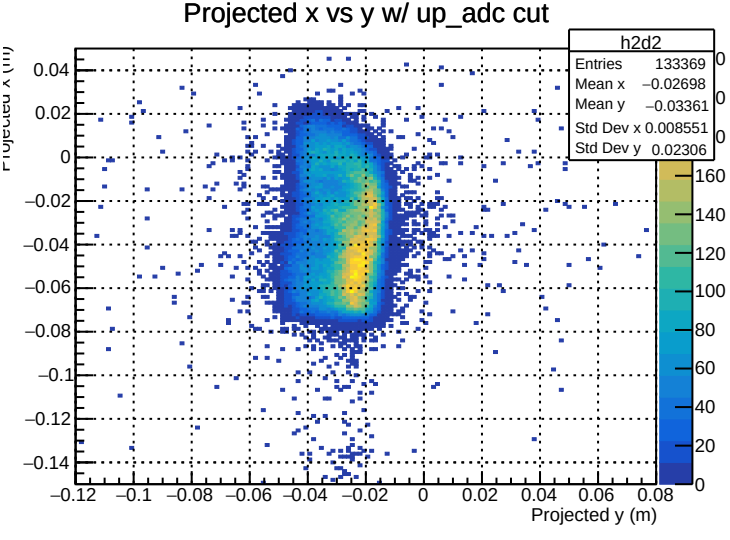

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 133303
Mean 0.00622
Std Dev 0.001341
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

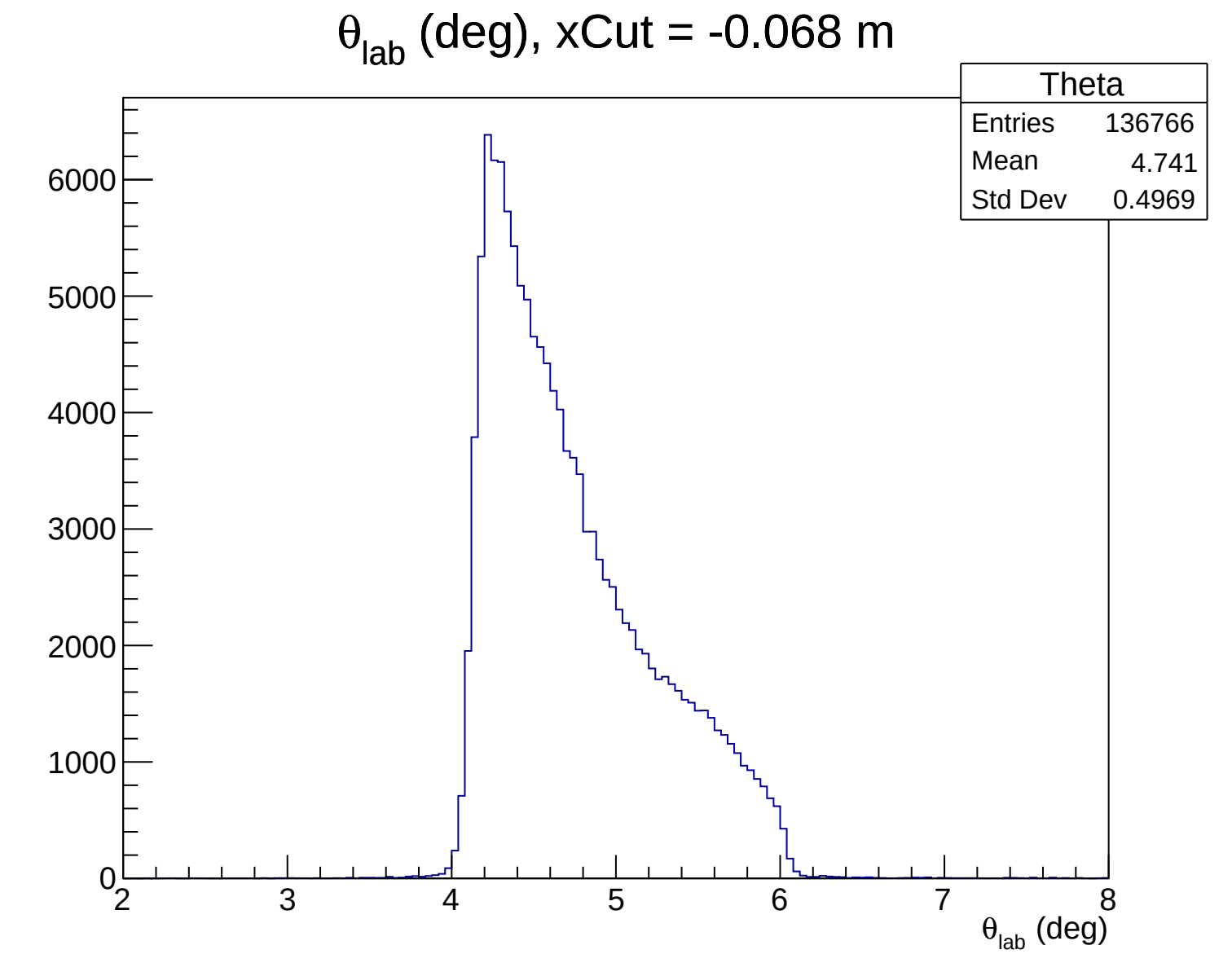

Sensitivity, xCut = -0.066 m
sens
Entries 133303
Mean 0.02181
Std Dev 0.004265
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

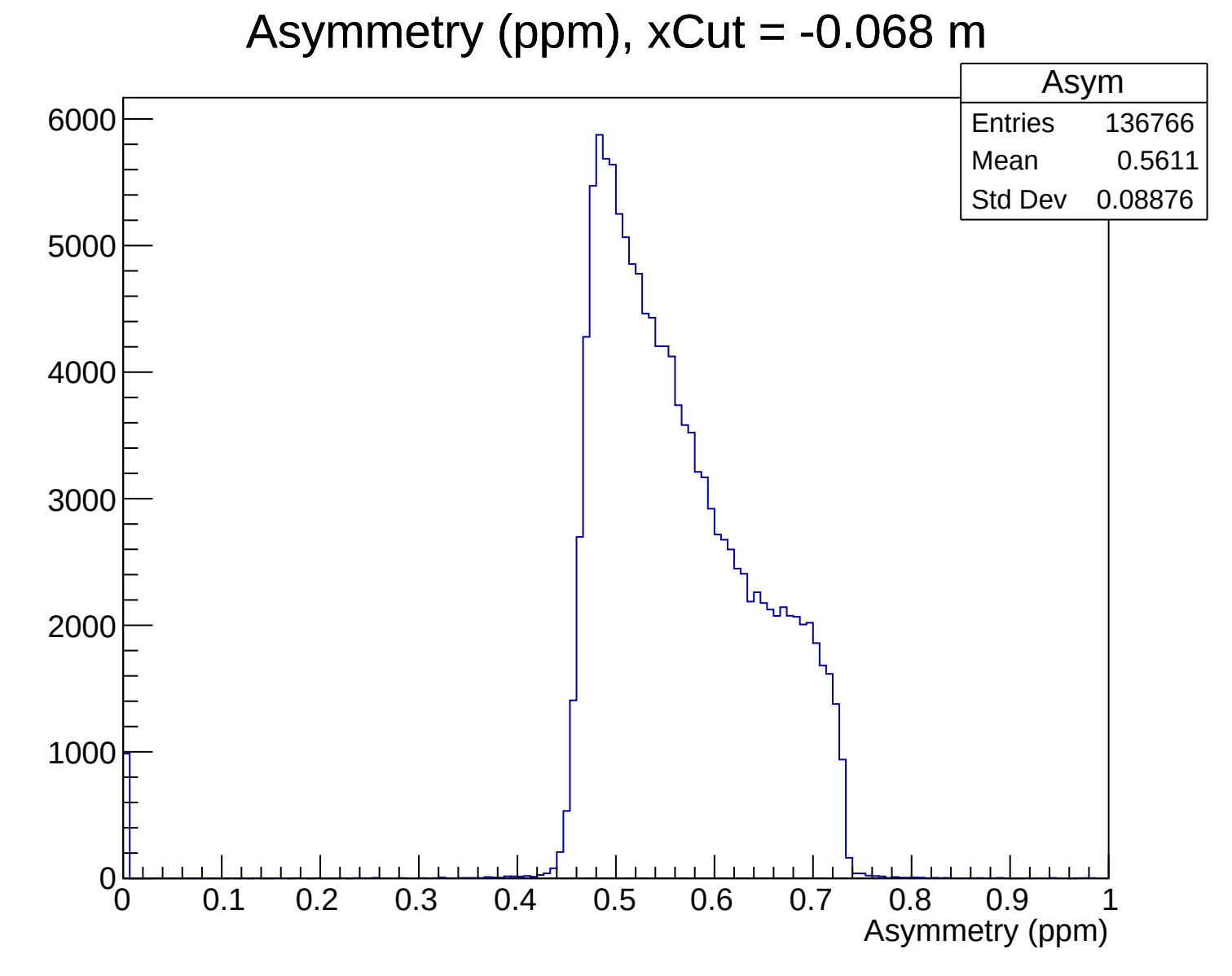

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

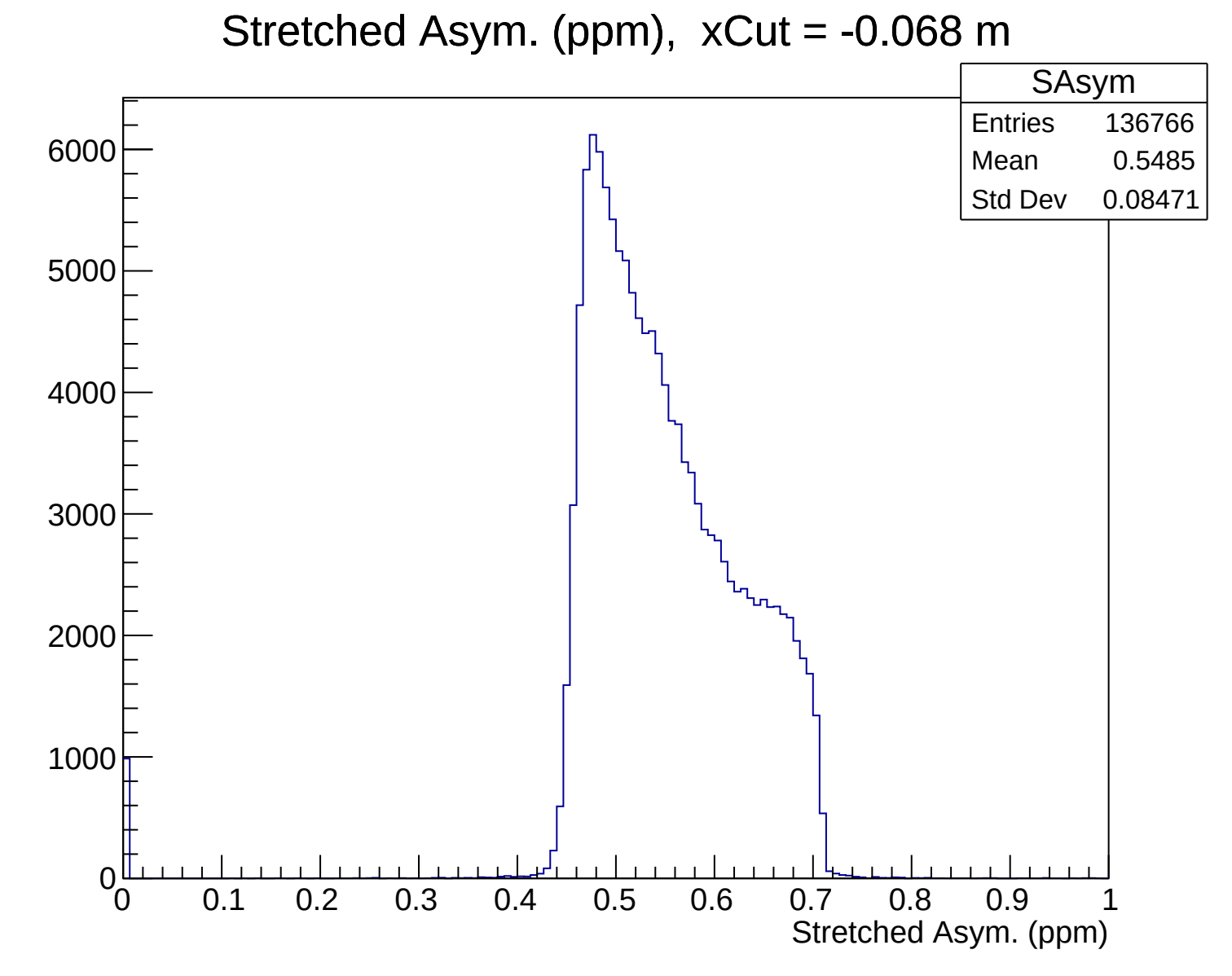

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

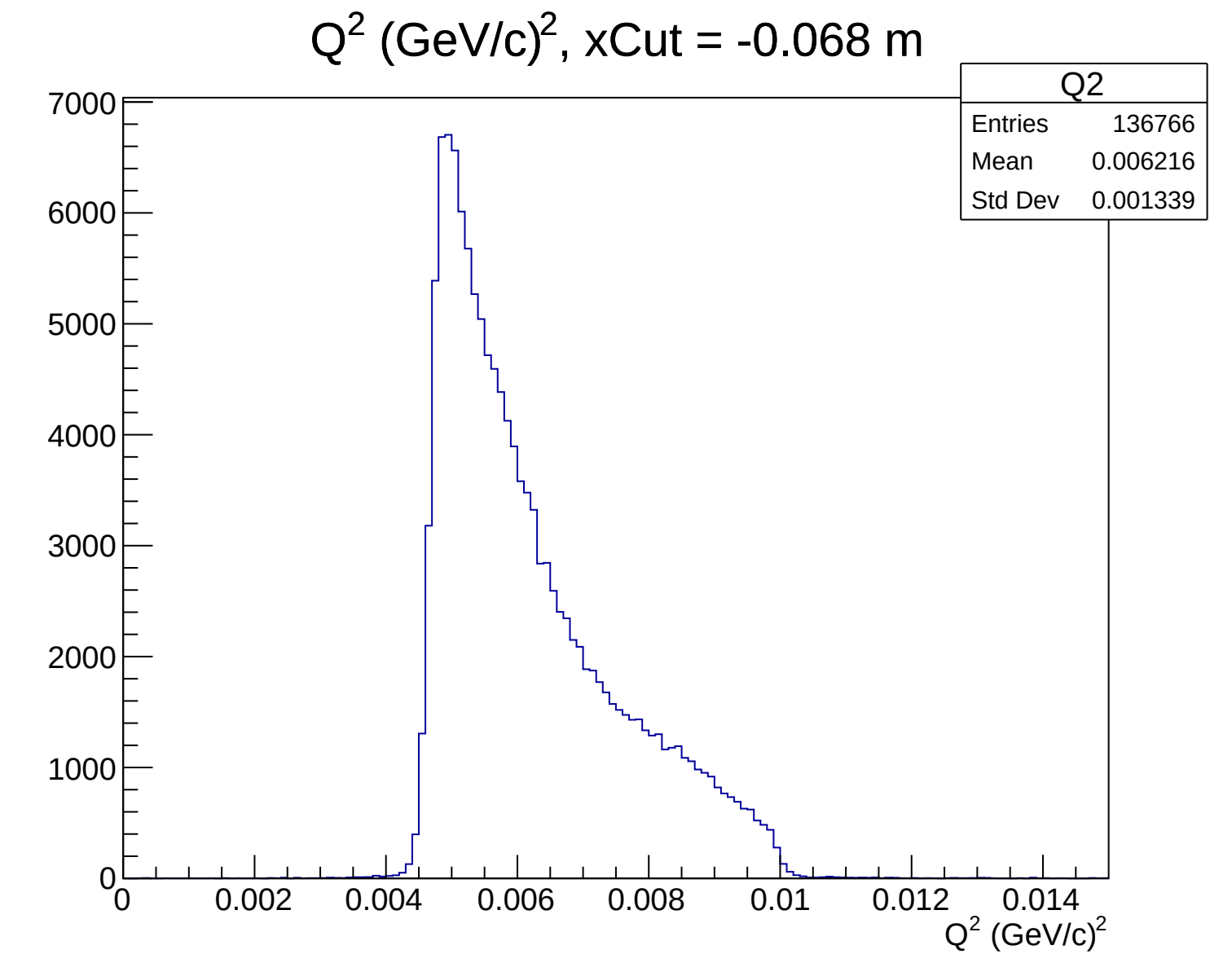

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

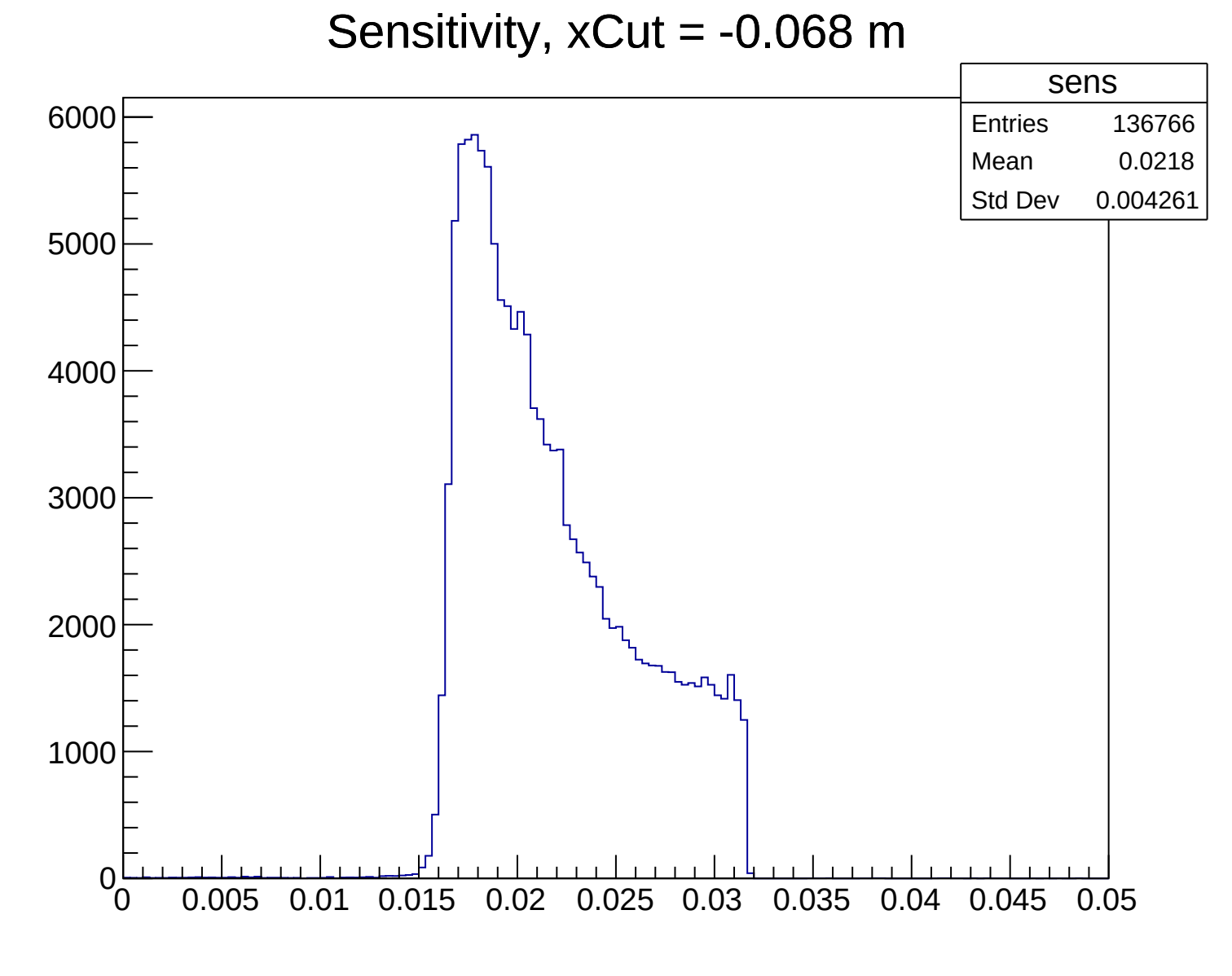

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

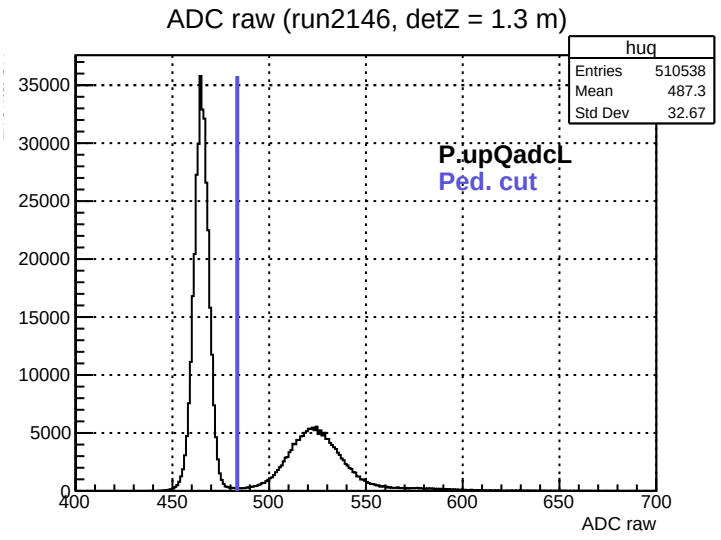

θlab (deg), xCut = -0.068 m
Theta
Entries 136766
Mean 4.741
Std Dev 0.4969
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

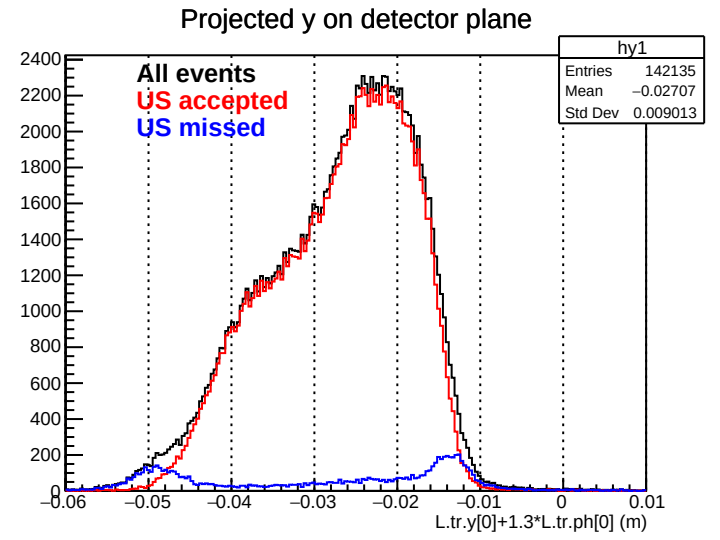

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 136766
Mean 0.5611
Std Dev 0.08876
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

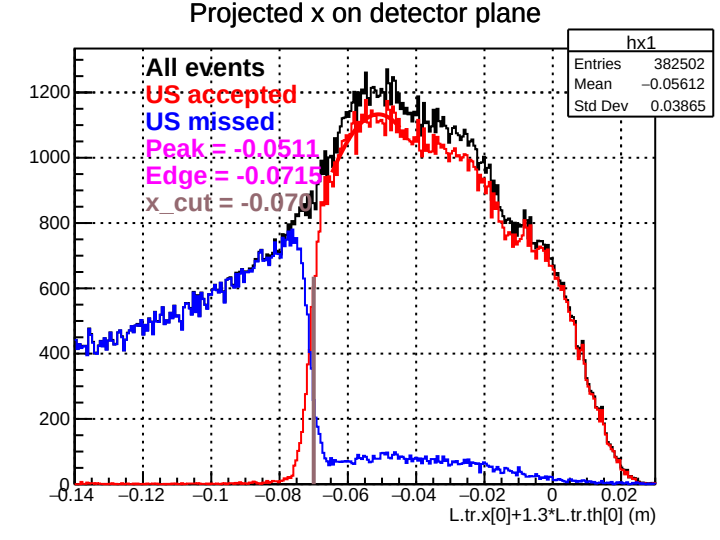

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 136766
Mean 0.5485
Std Dev 0.08471
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

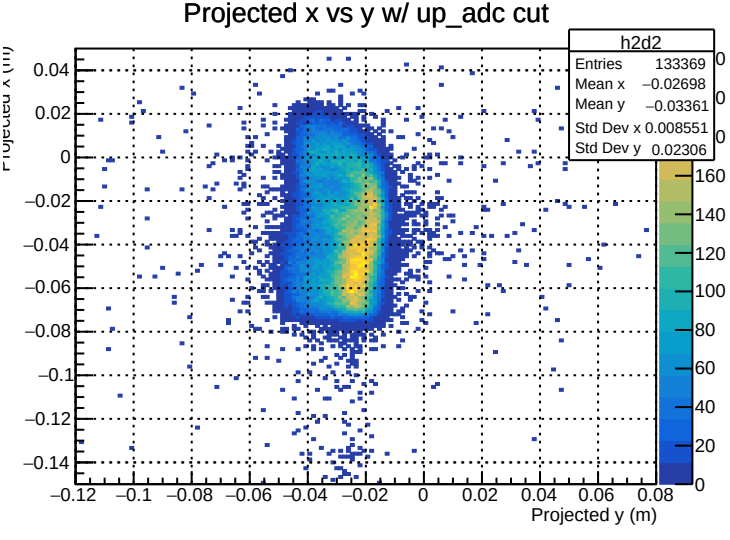

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 136766
Mean 0.006216
Std Dev 0.001339
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

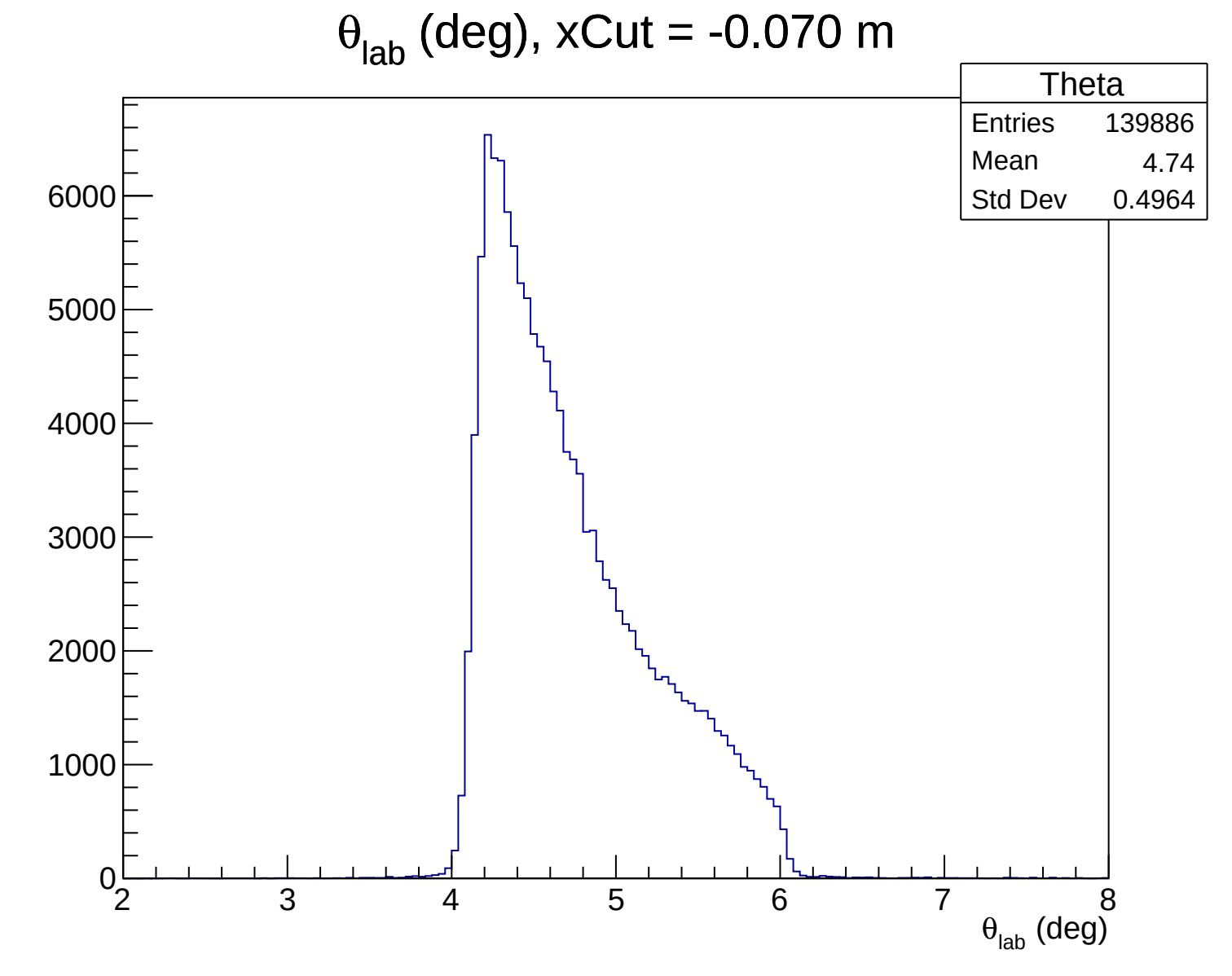

Sensitivity, xCut = -0.068 m
sens
Entries 136766
Mean 0.0218
Std Dev 0.004261
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

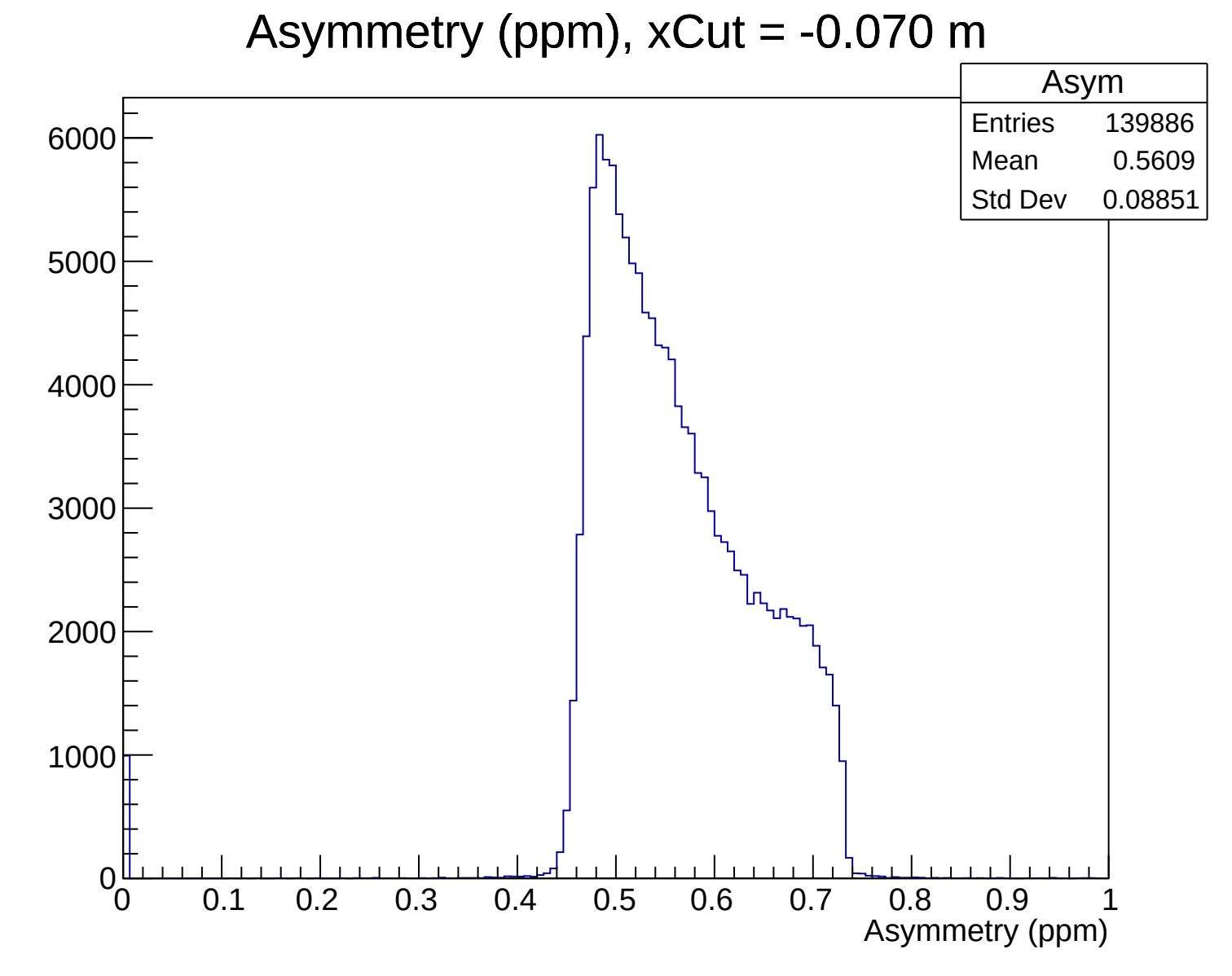

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

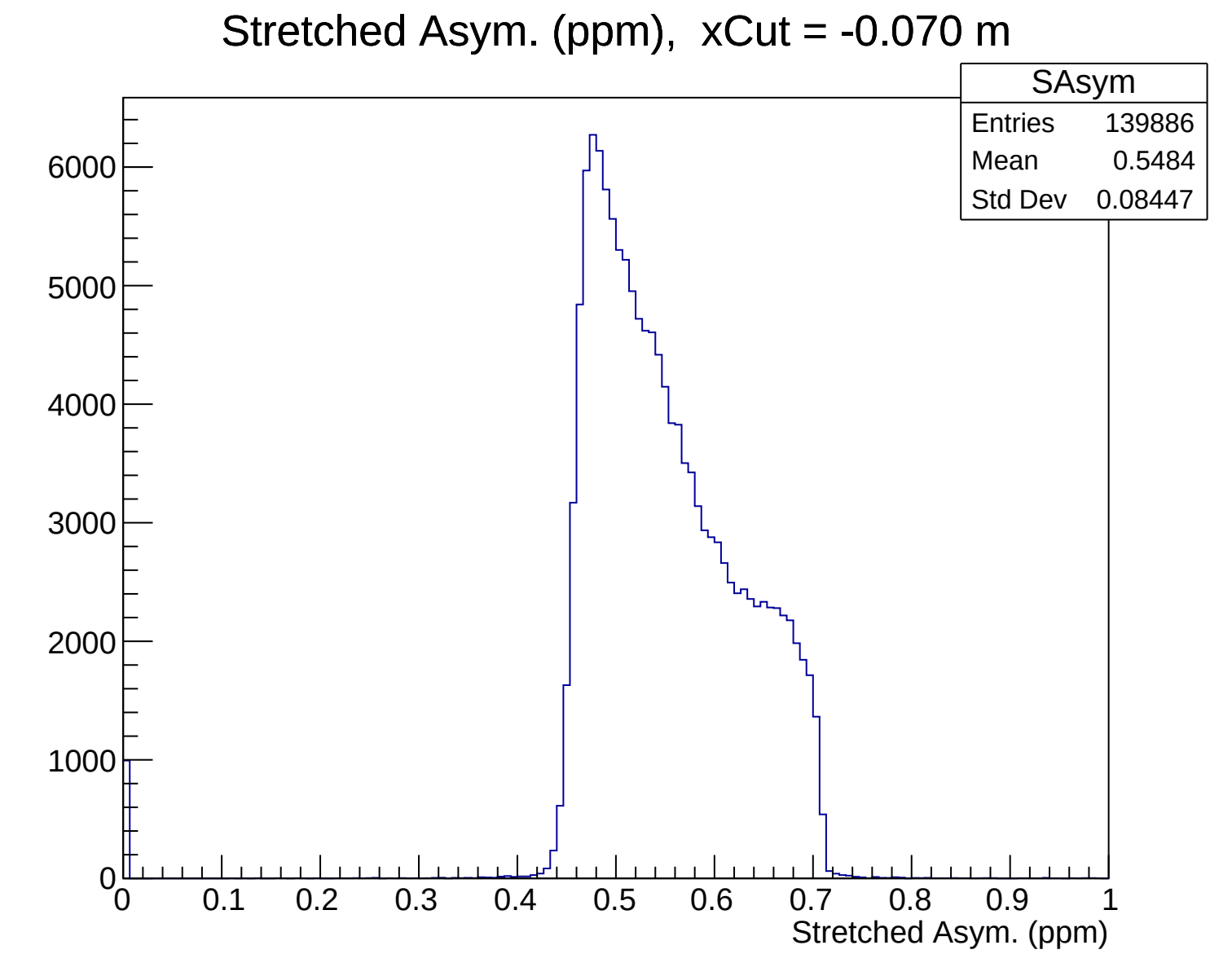

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

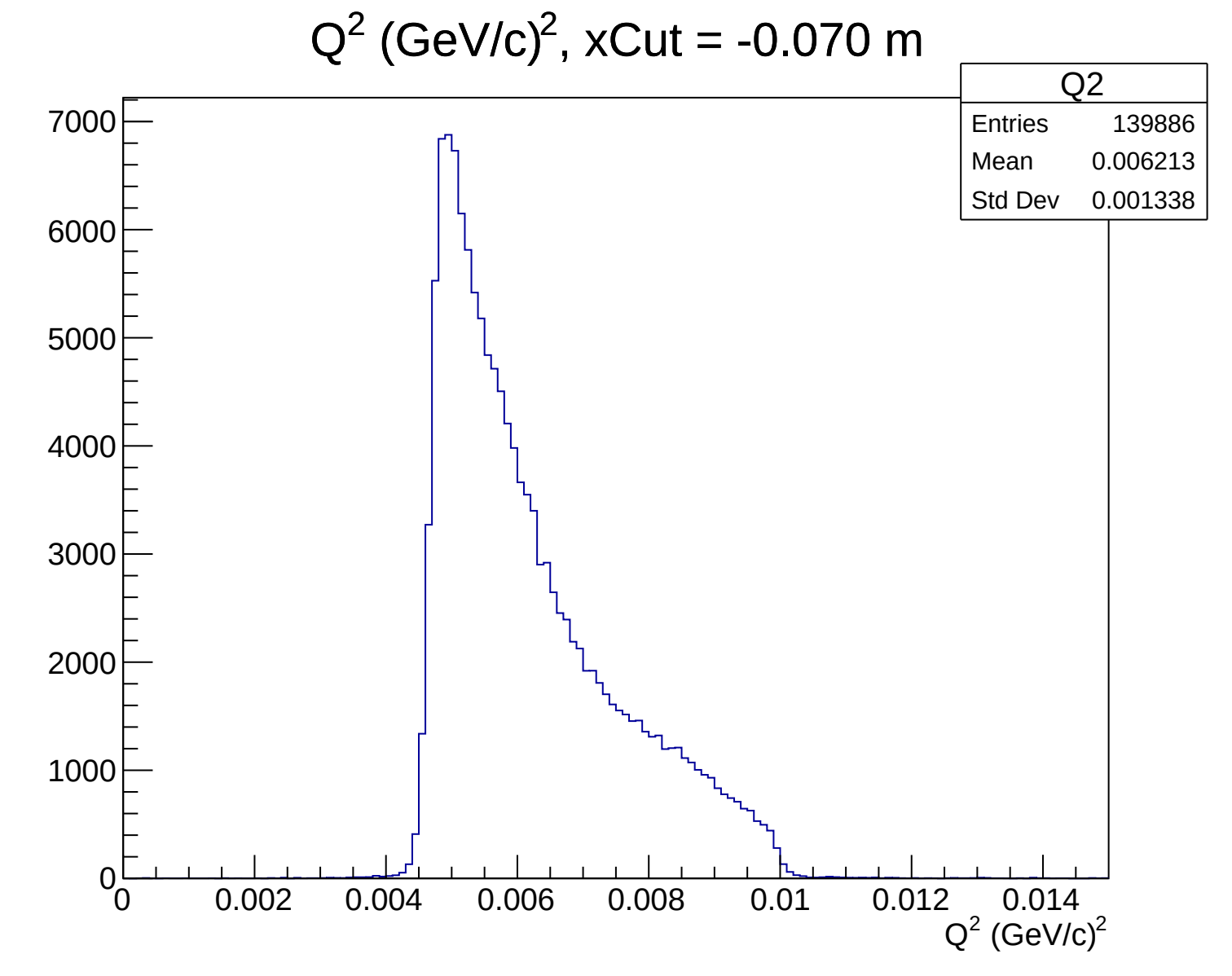

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

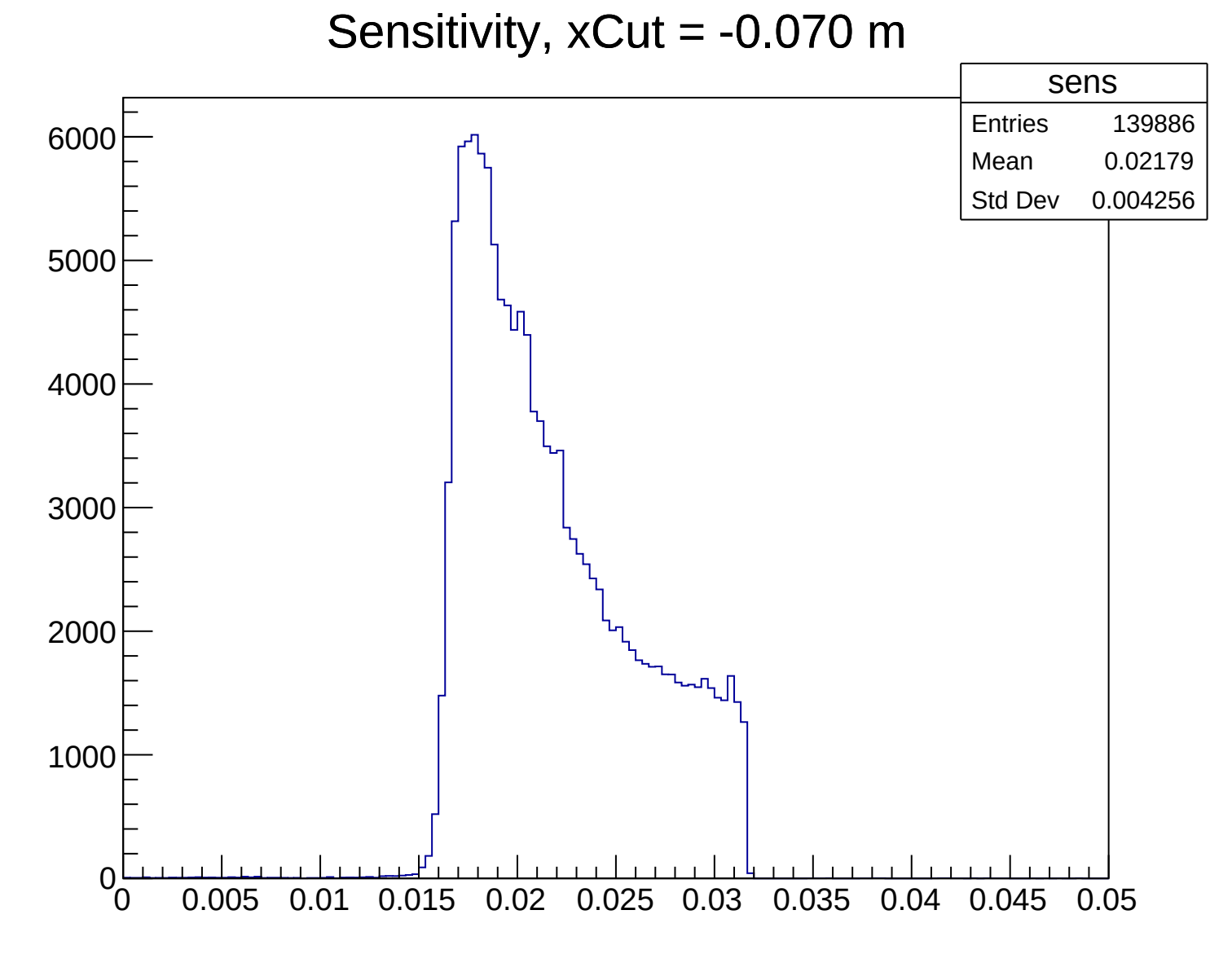

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

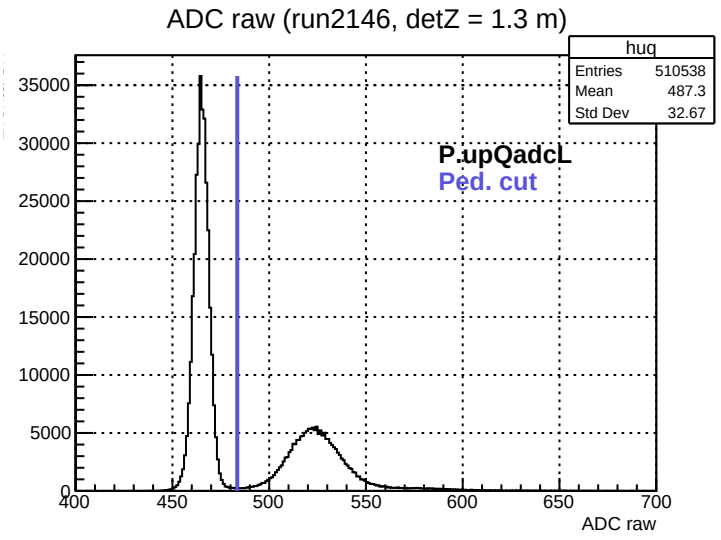

θlab (deg), xCut = -0.070 m
Theta
Entries 139886
Mean 4.74
Std Dev 0.4964
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

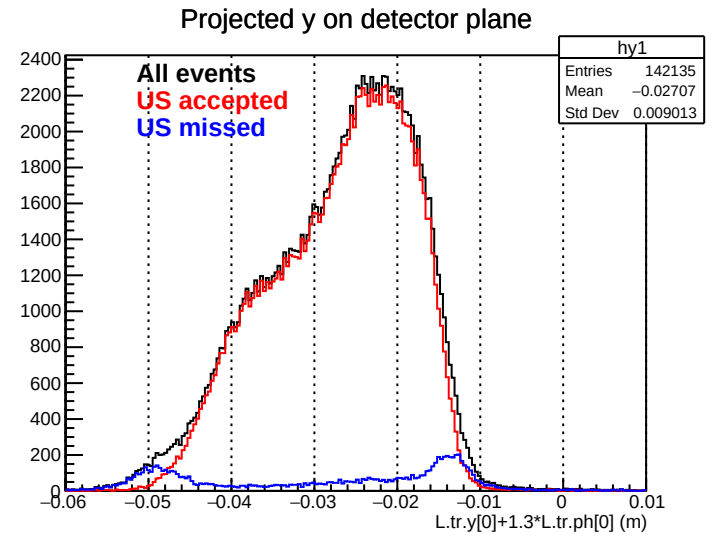

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 139886
Mean 0.5609
Std Dev 0.08851
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

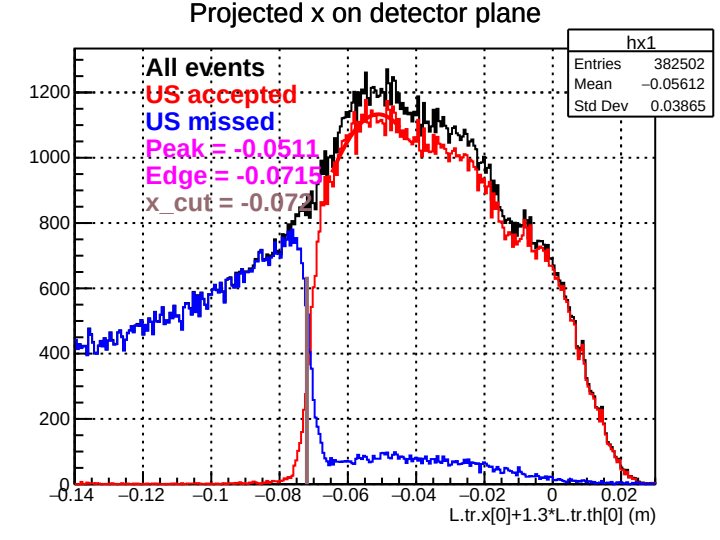

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 139886
Mean 0.5484
Std Dev 0.08447
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

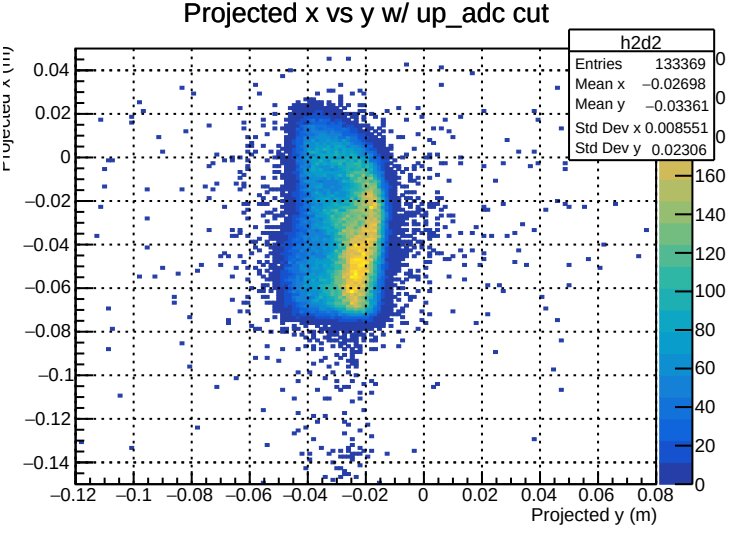

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 139886
Mean 0.006213
Std Dev 0.001338
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

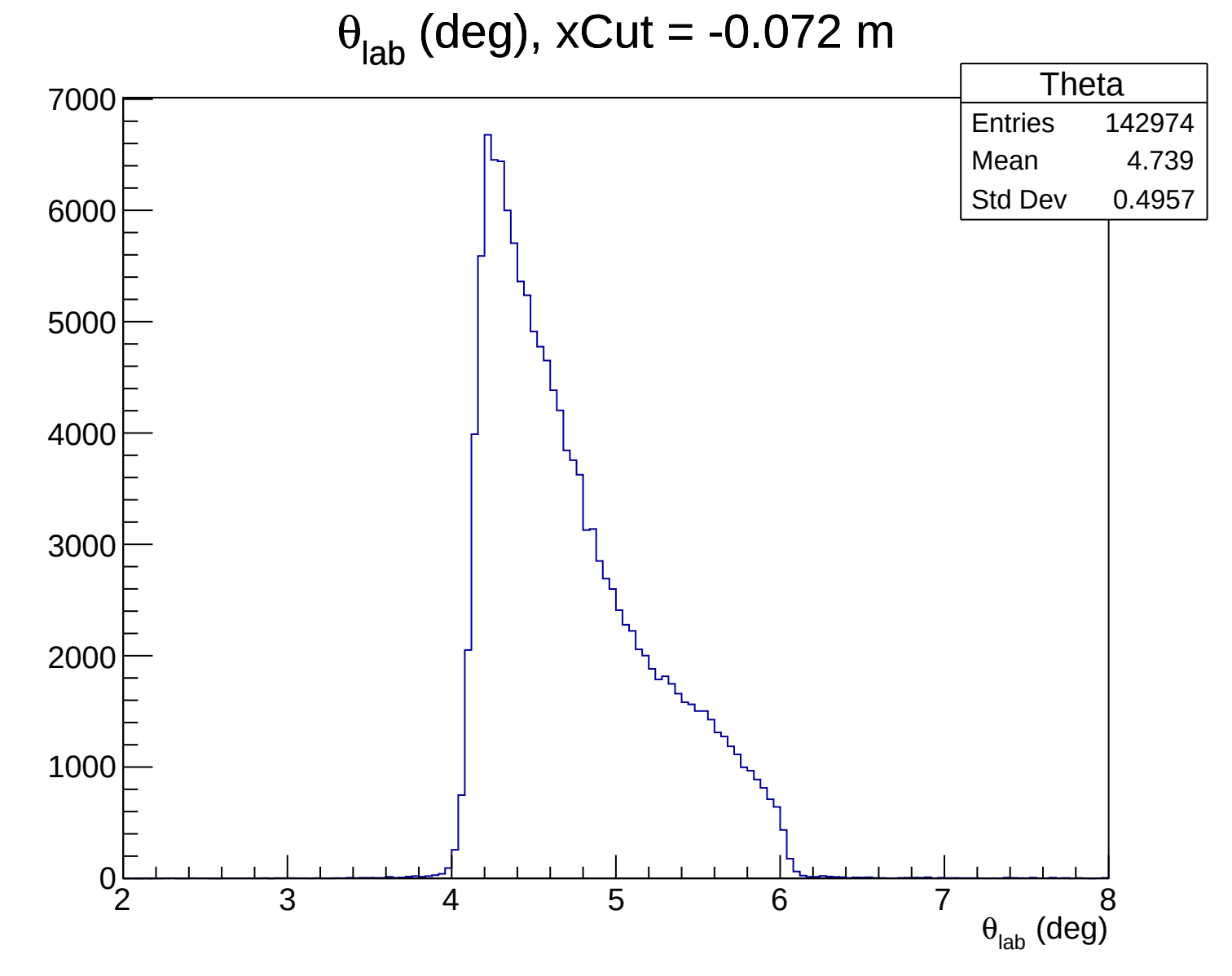

Sensitivity, xCut = -0.070 m
sens
Entries 139886
Mean 0.02179
Std Dev 0.004256
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

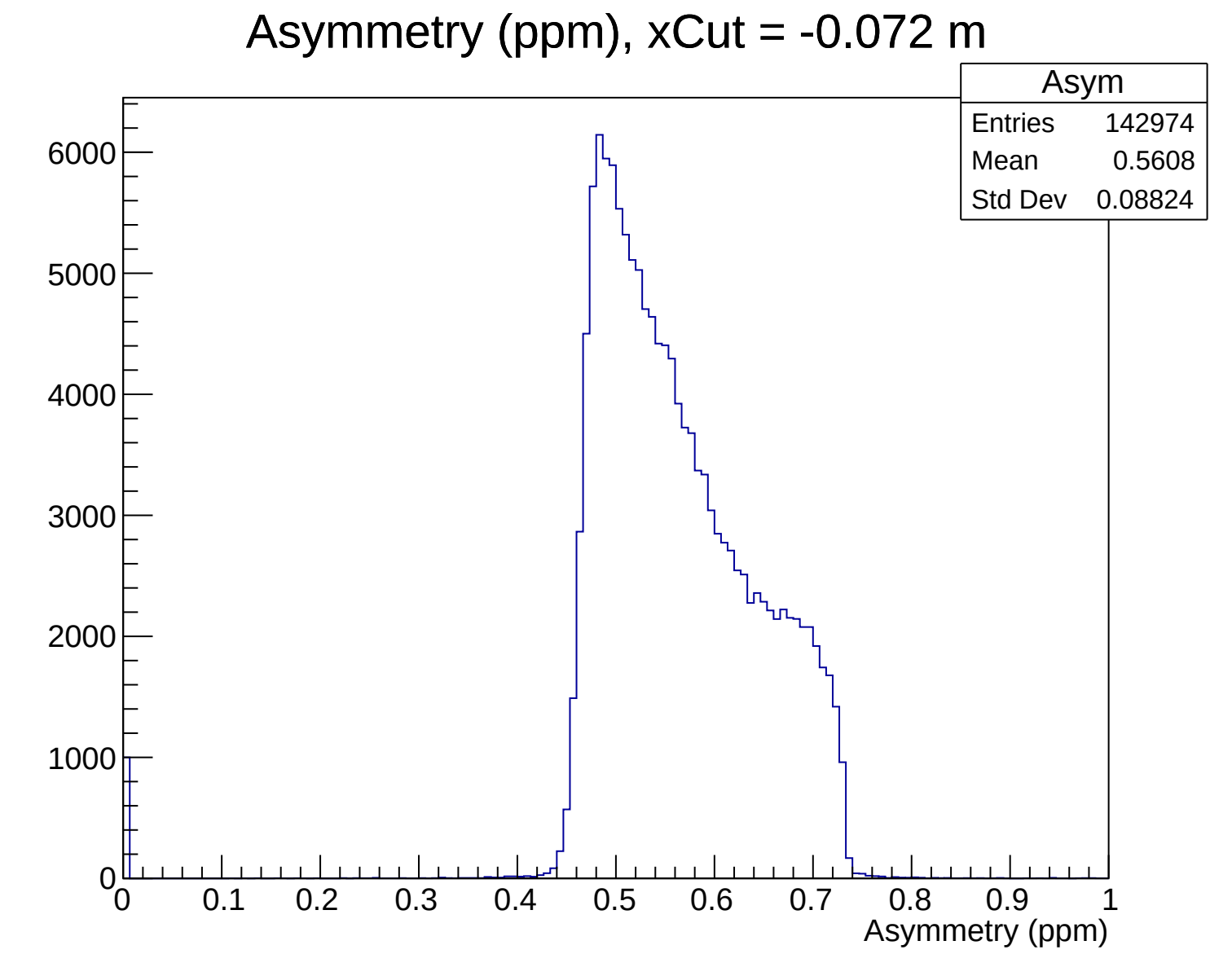

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

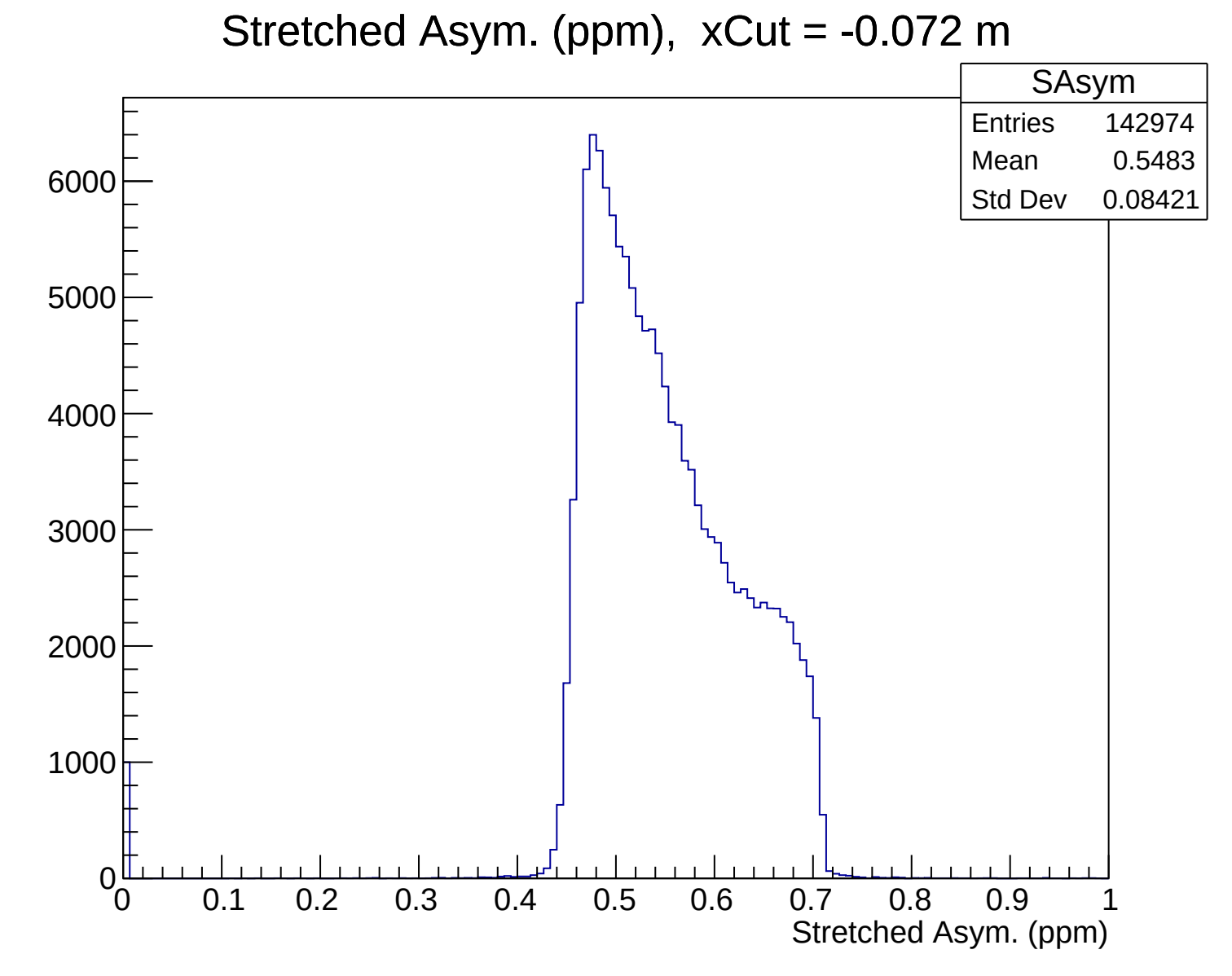

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

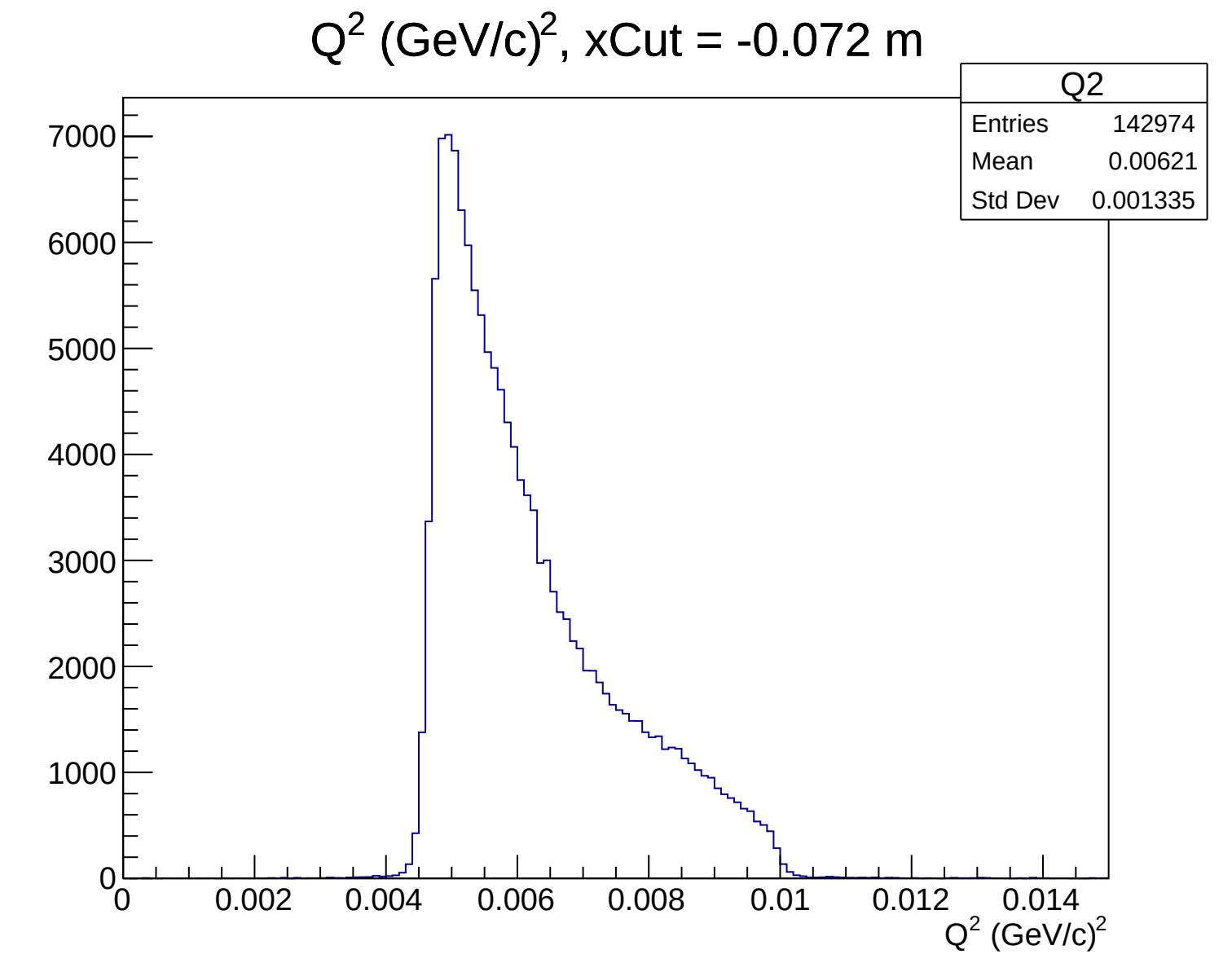

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.073
L.tr.x[0]+1.3*L.tr.th[0] (m)

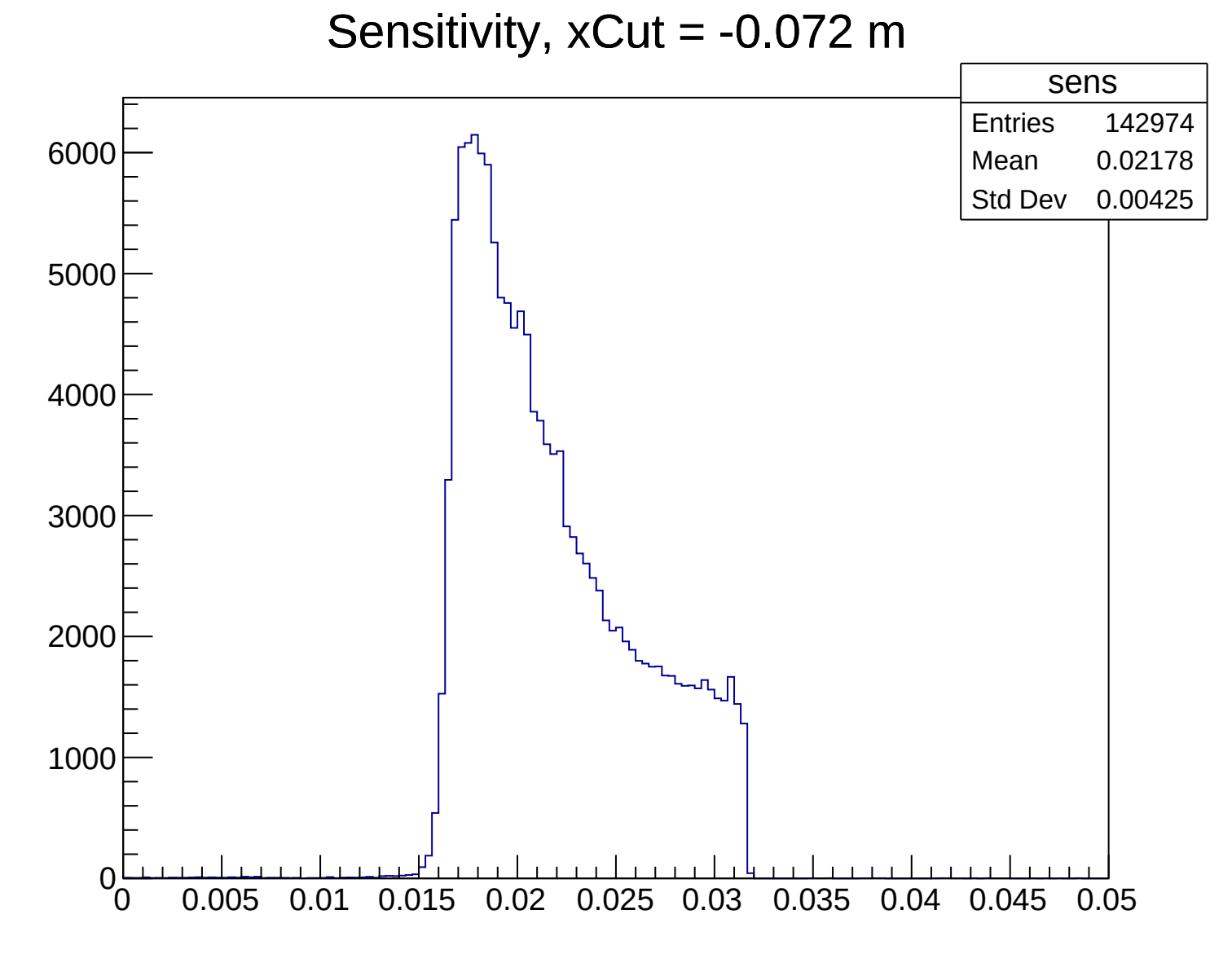

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

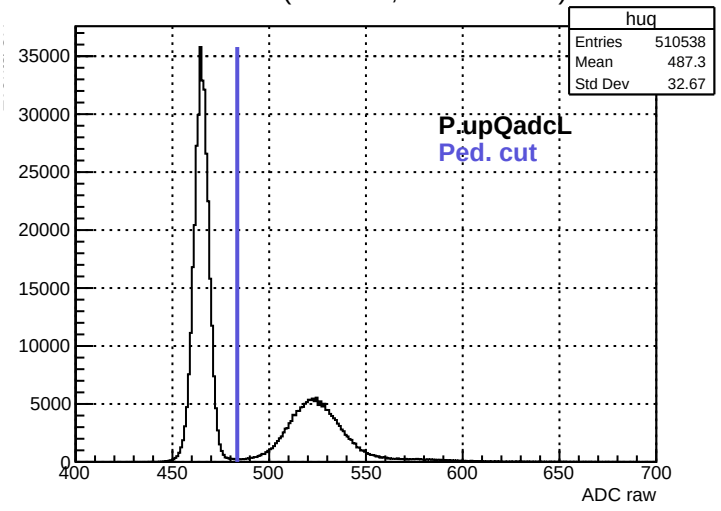

θlab (deg), xCut = -0.072 m
Theta
Entries 142974
Mean 4.739
Std Dev 0.4957
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

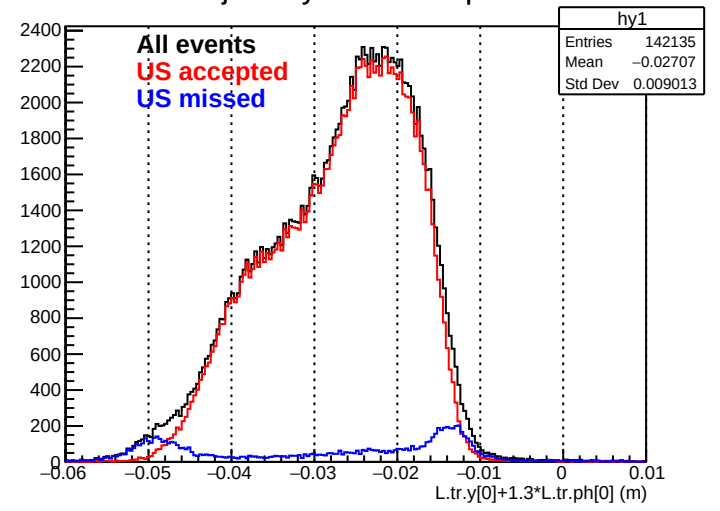

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 142974
Mean 0.5608
Std Dev 0.08824
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

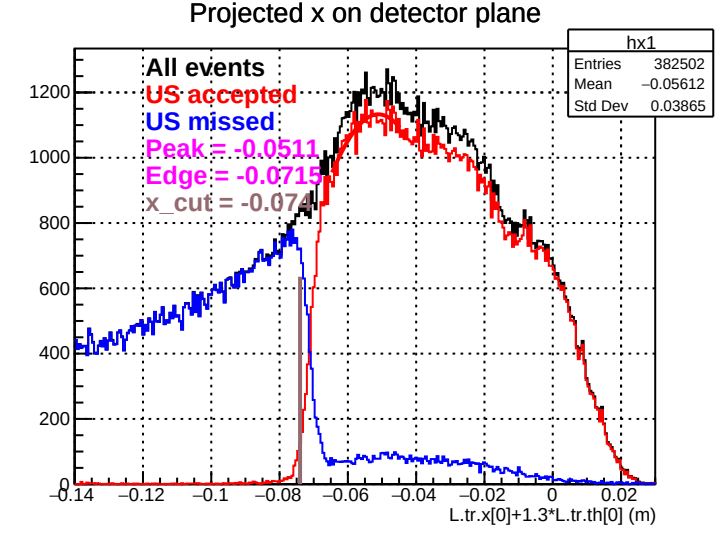

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 142974
Mean 0.5483
Std Dev 0.08421
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

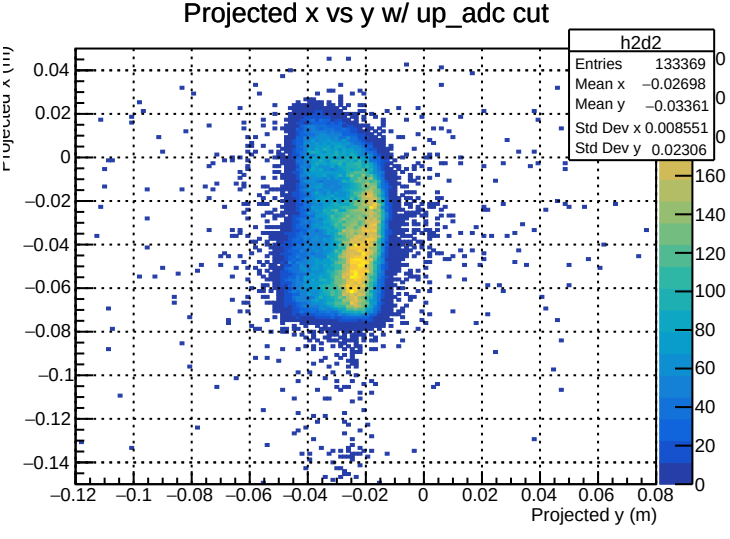

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 142974
Mean 0.00621
Std Dev 0.001335
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

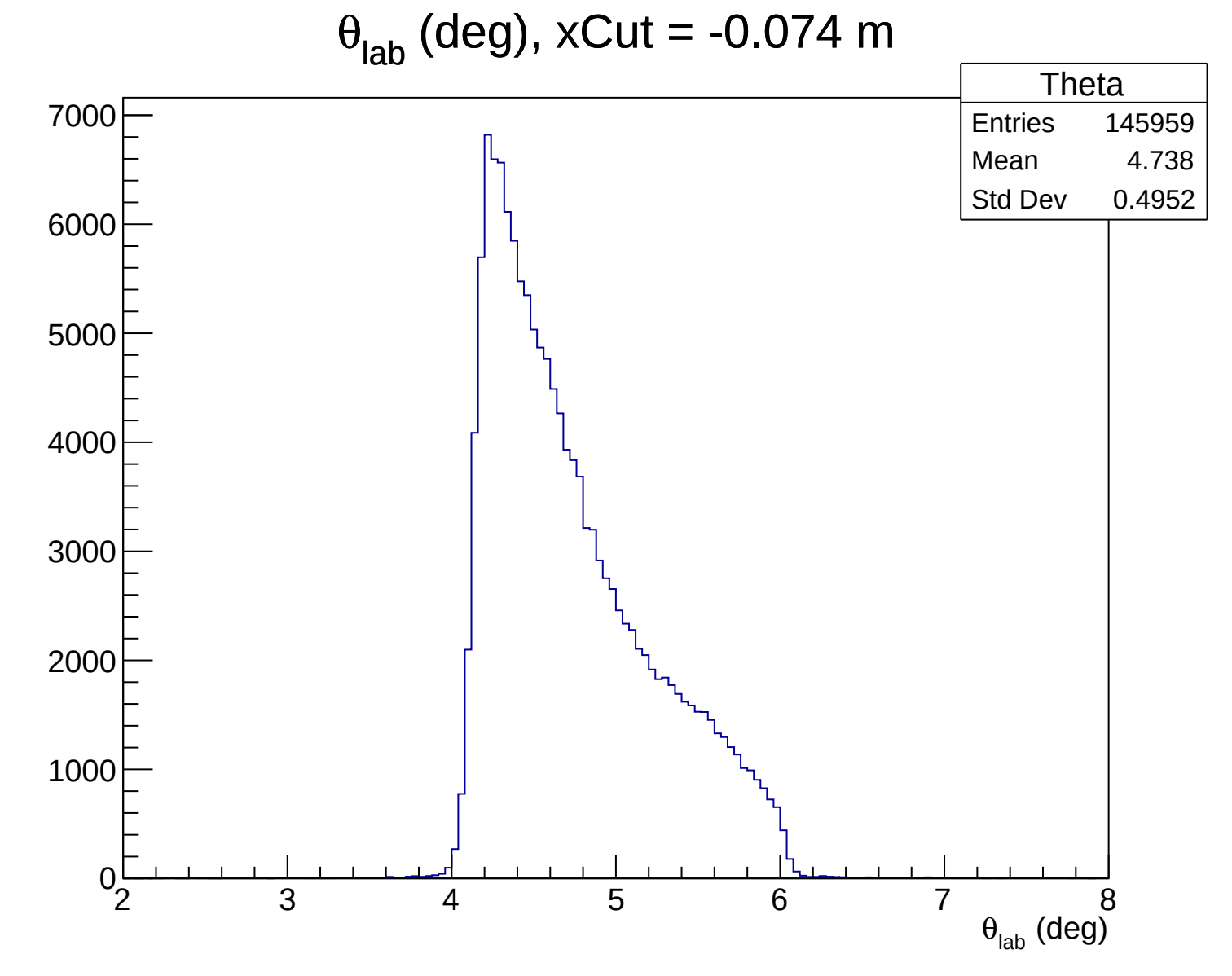

Sensitivity, xCut = -0.072 m
sens
Entries 142974
Mean 0.02178
Std Dev 0.00425
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

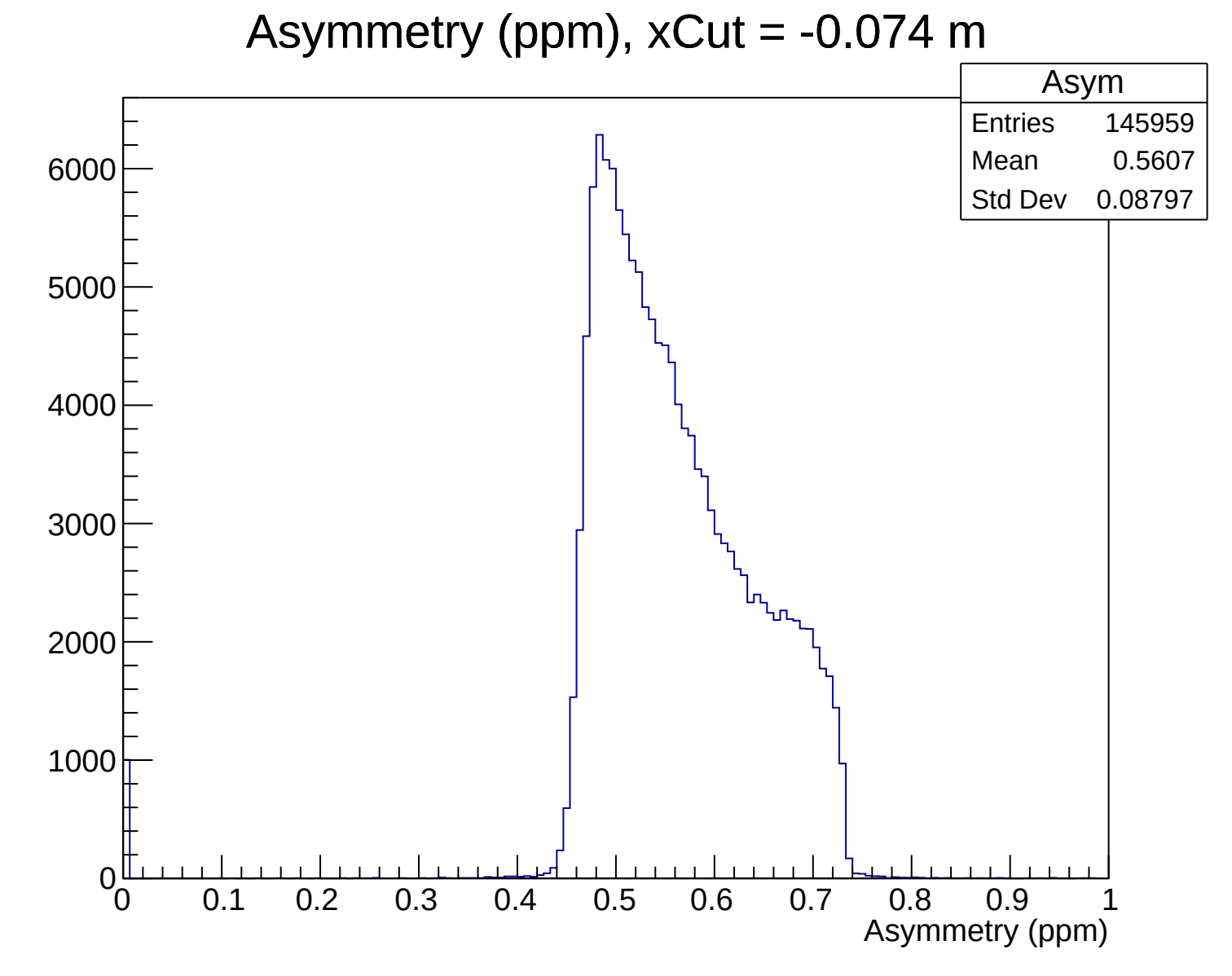

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

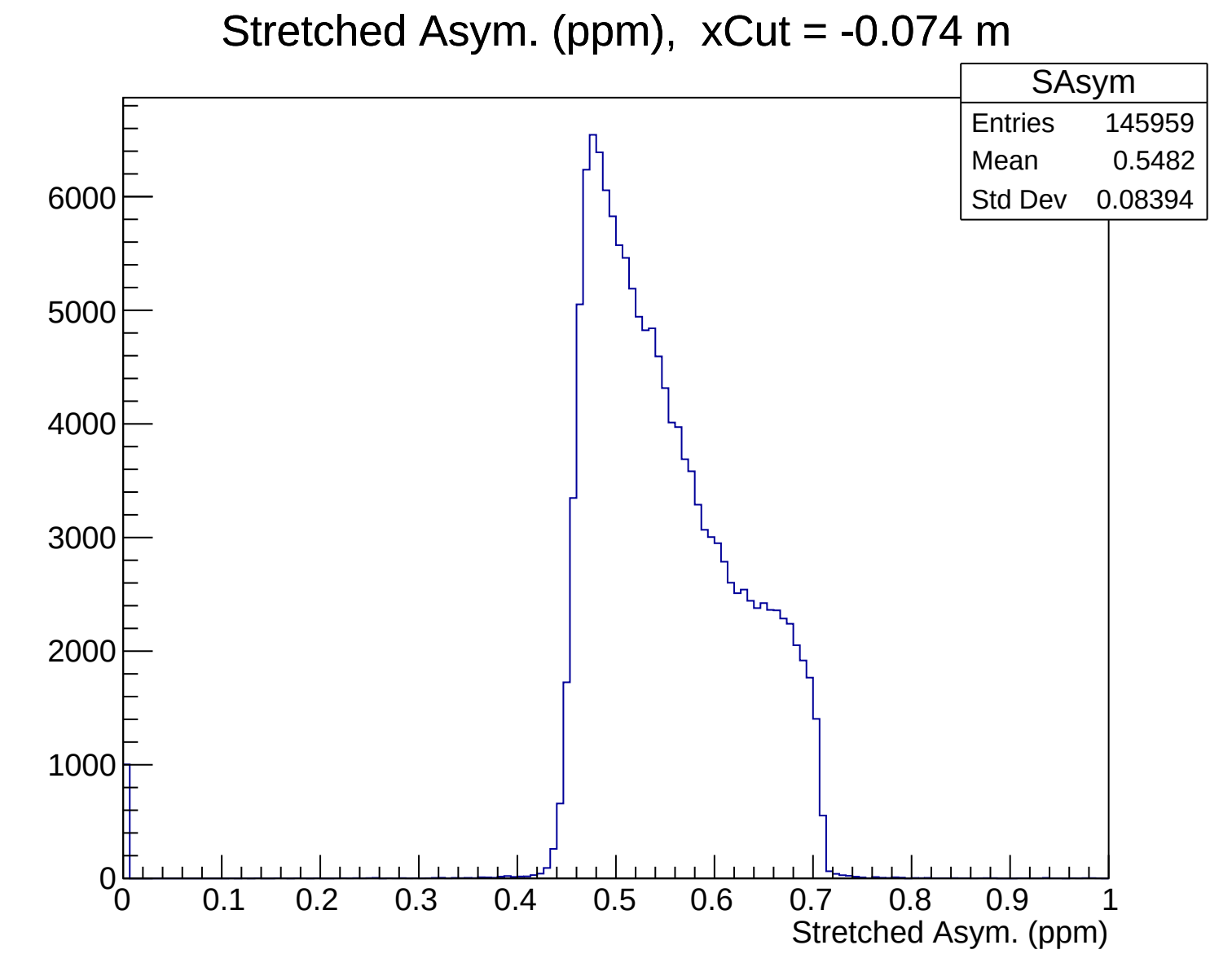

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

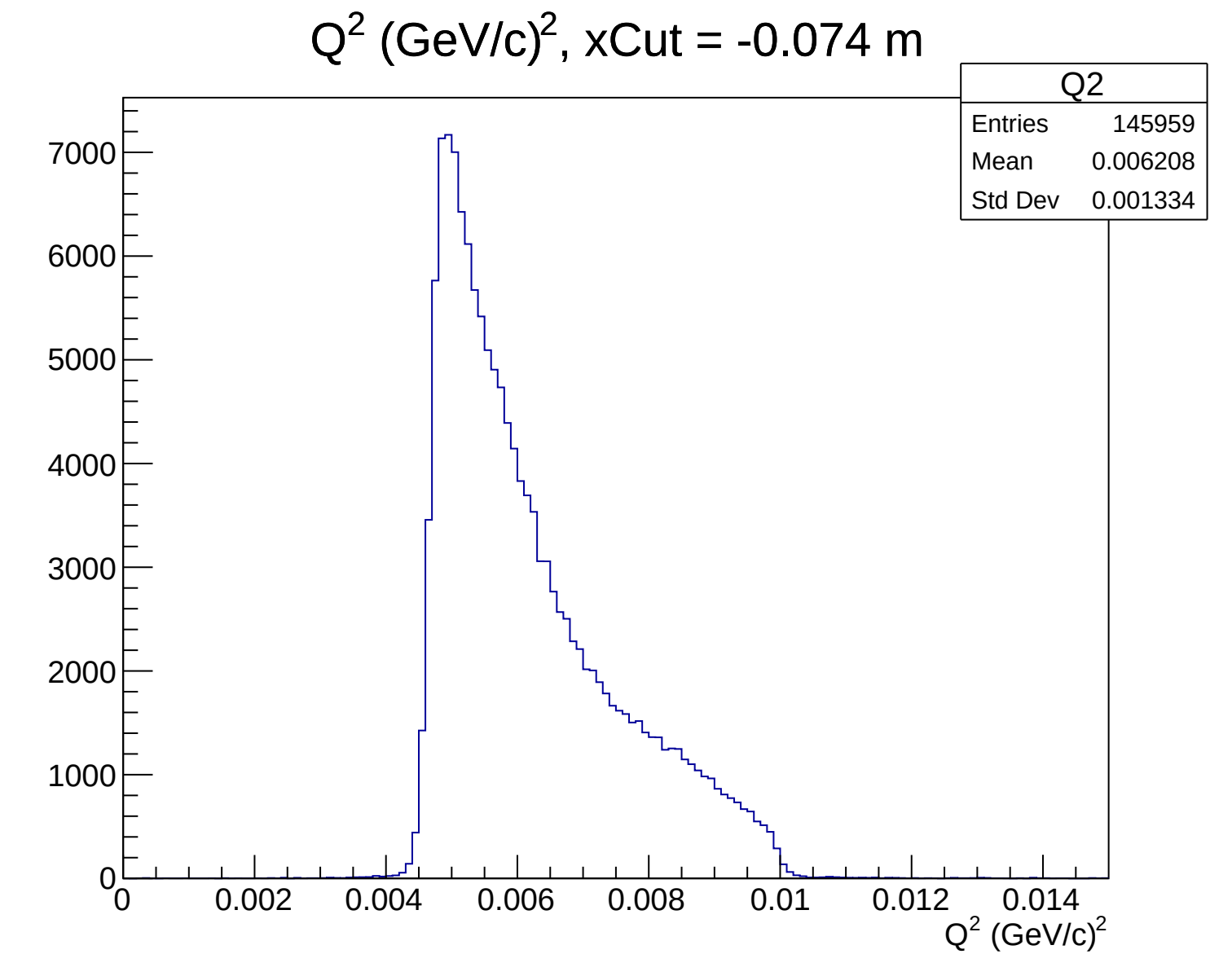

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.074
L.tr.x[0]+1.3*L.tr.th[0] (m)

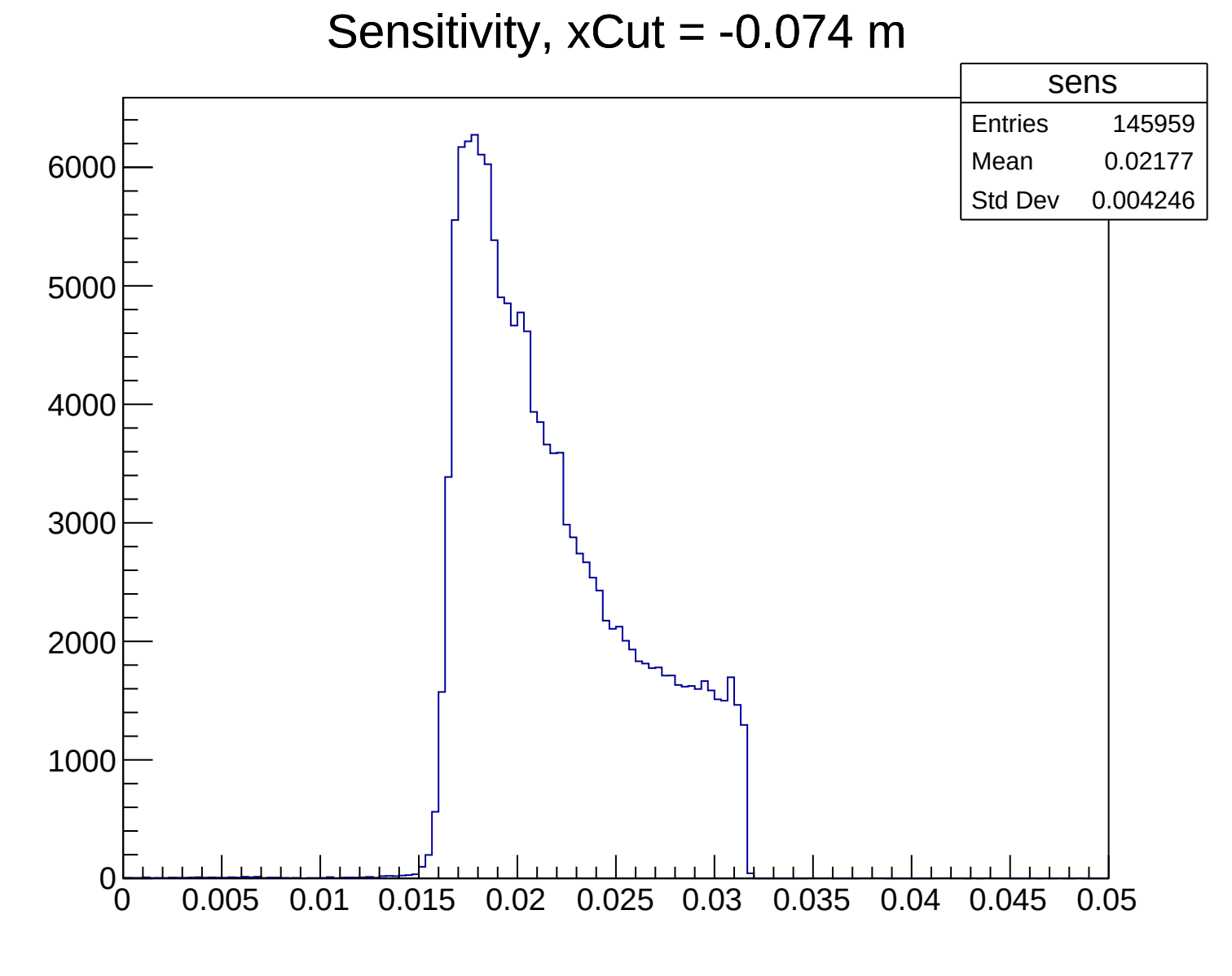

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

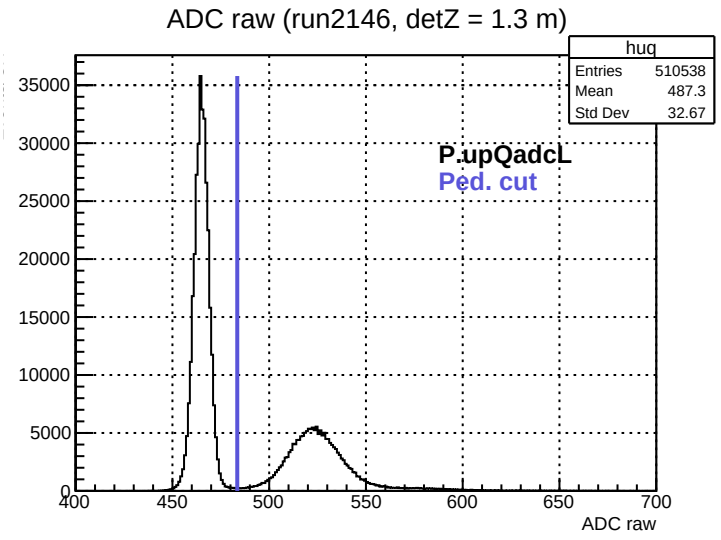

θlab (deg), xCut = -0.074 m
Theta
Entries 145959
Mean 4.738
Std Dev 0.4952
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

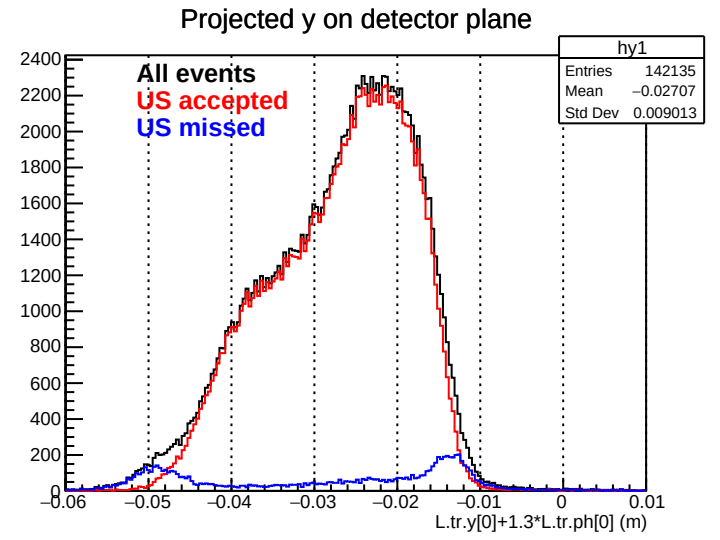

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 145959
Mean 0.5607
Std Dev 0.08797
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

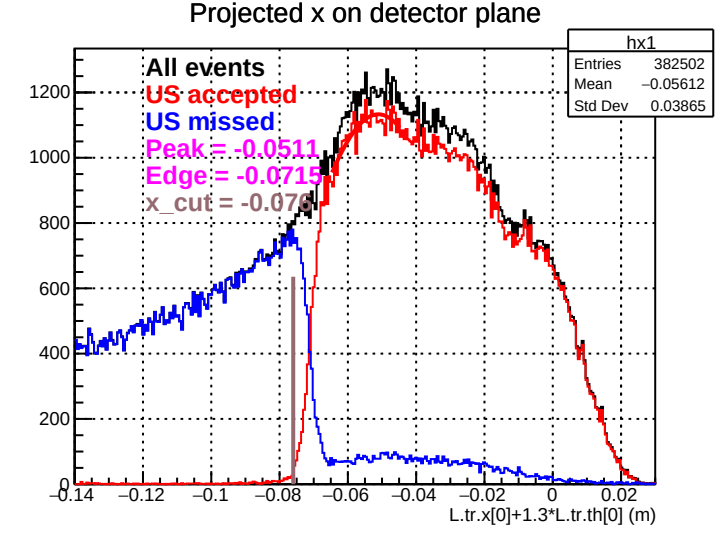

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 145959
Mean 0.5482
Std Dev 0.08394
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

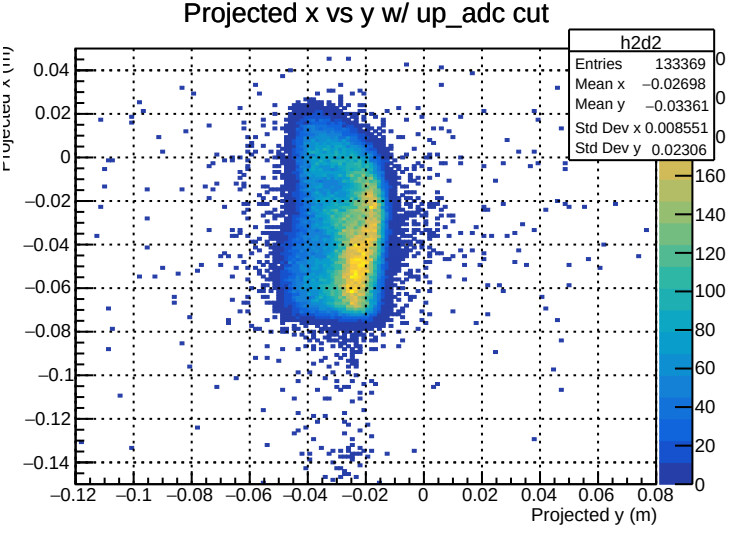

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 145959
Mean 0.006208
Std Dev 0.001334
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

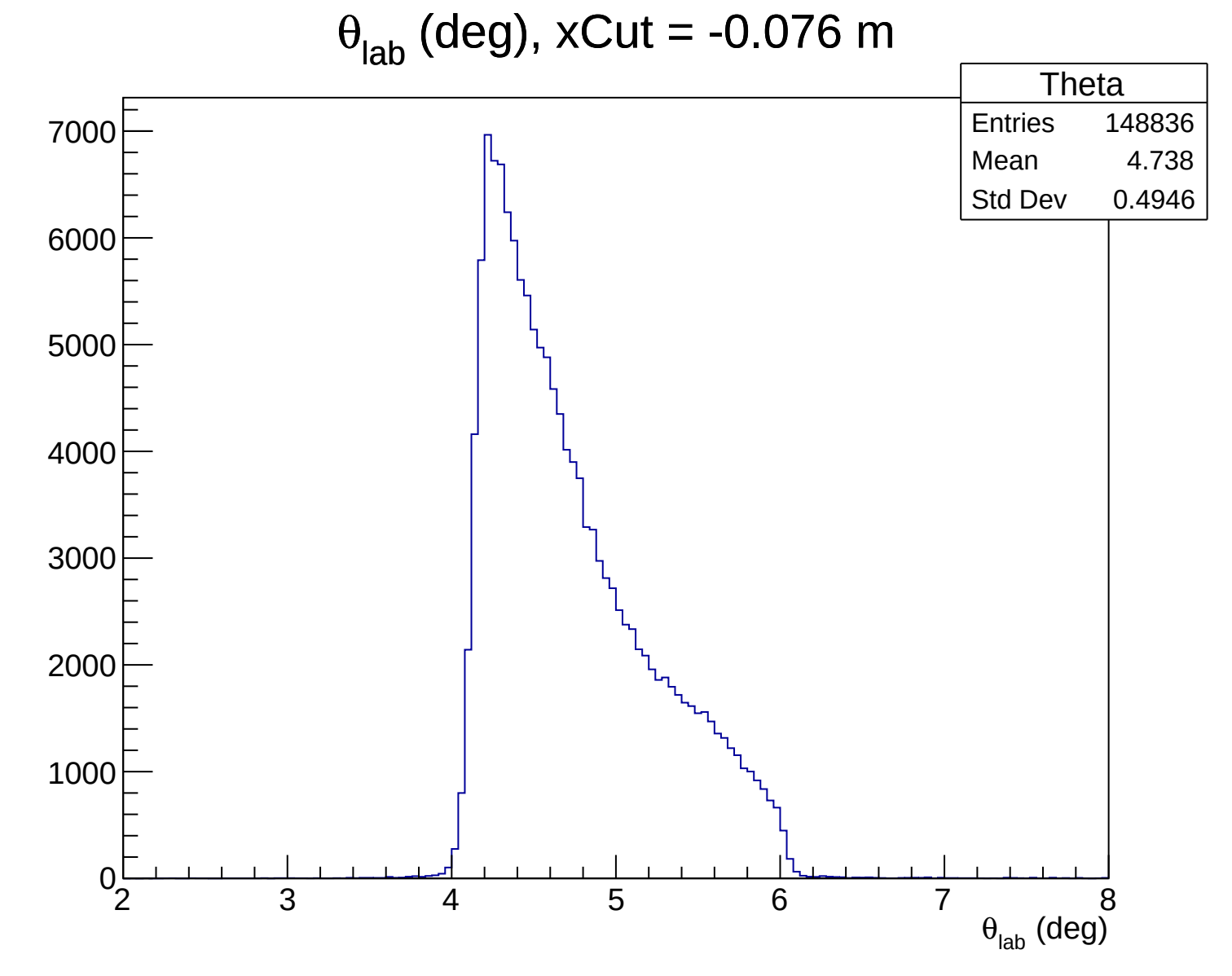

Sensitivity, xCut = -0.074 m
sens
Entries 145959
Mean 0.02177
Std Dev 0.004246
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

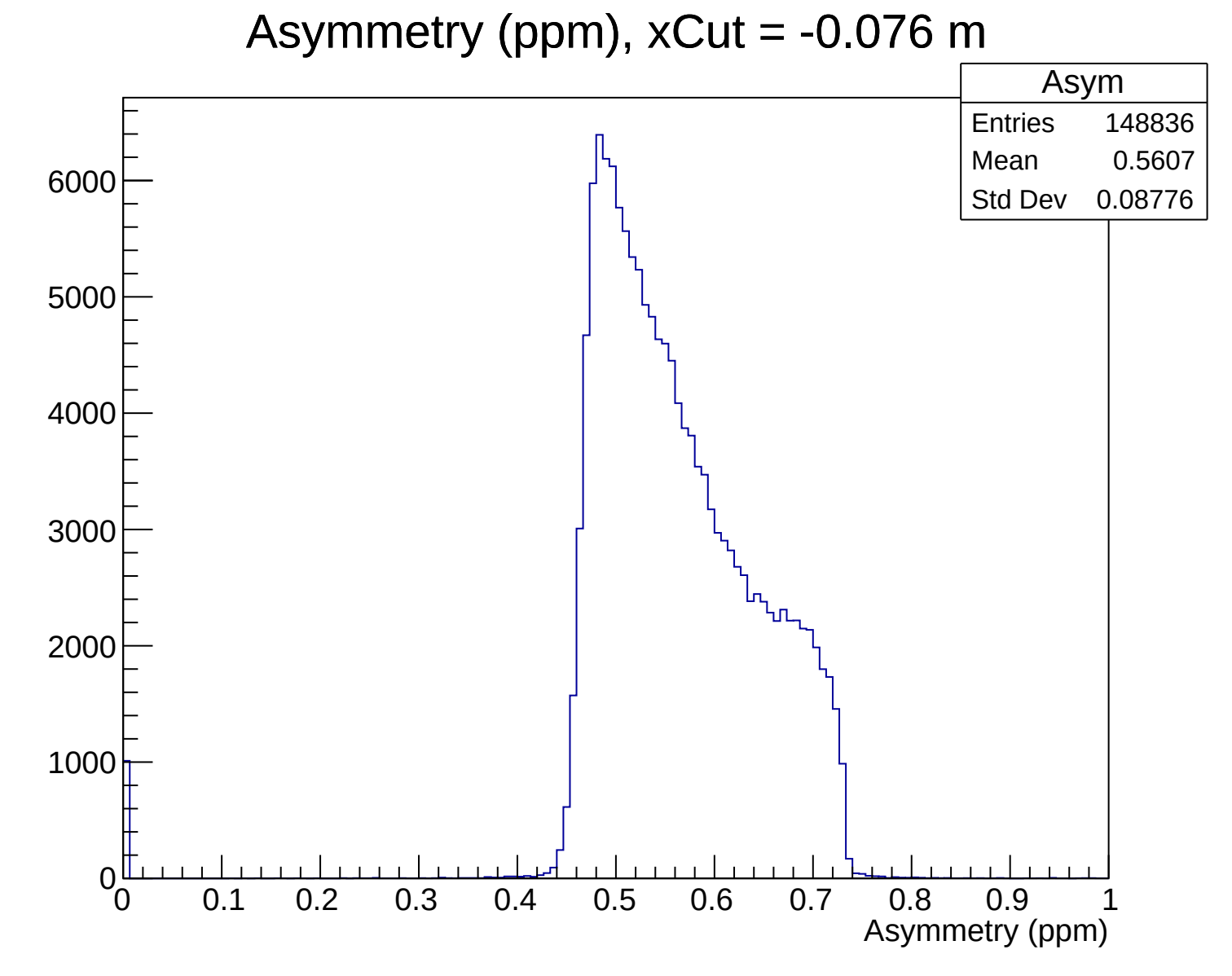

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

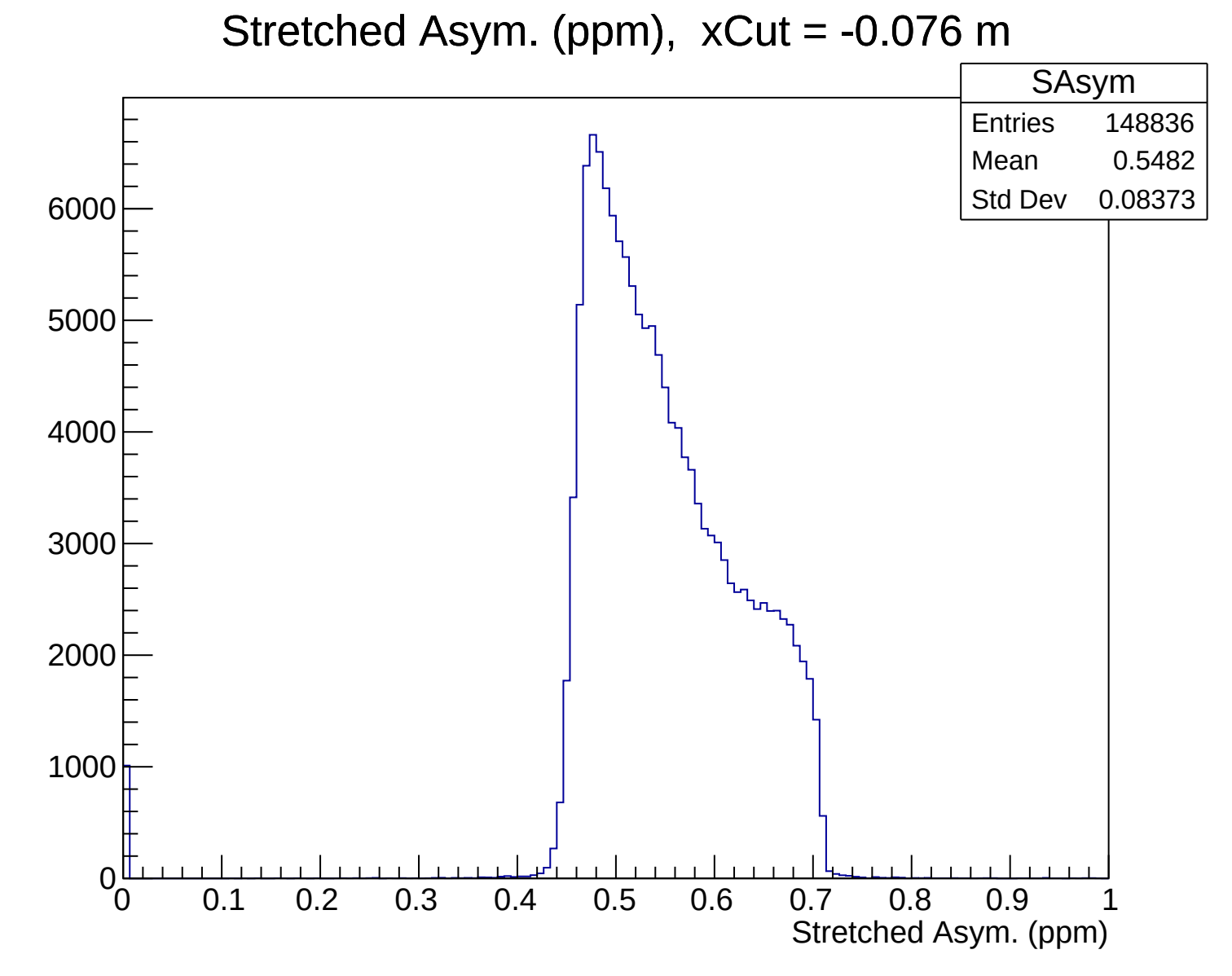

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

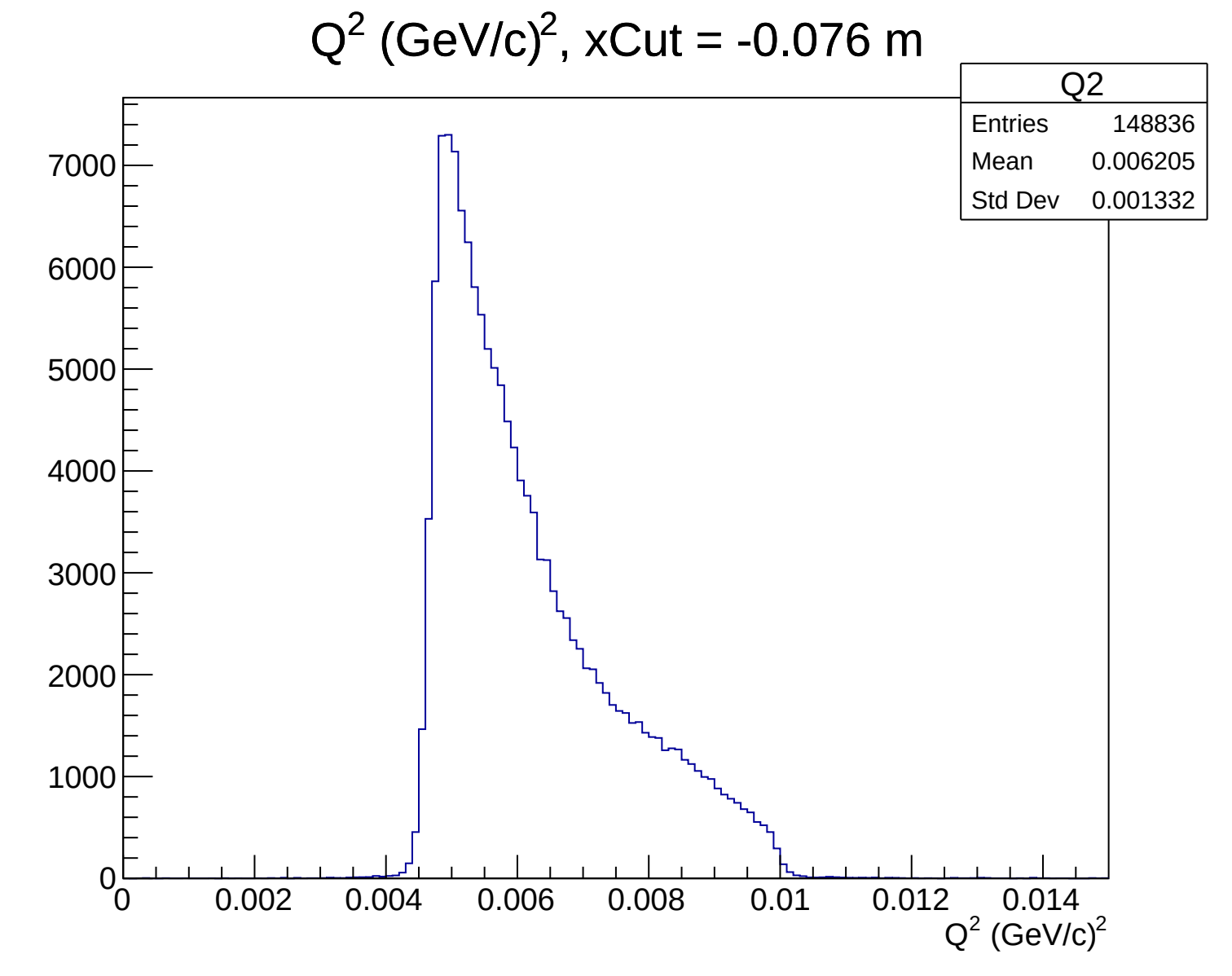

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.076
L.tr.x[0]+1.3*L.tr.th[0] (m)

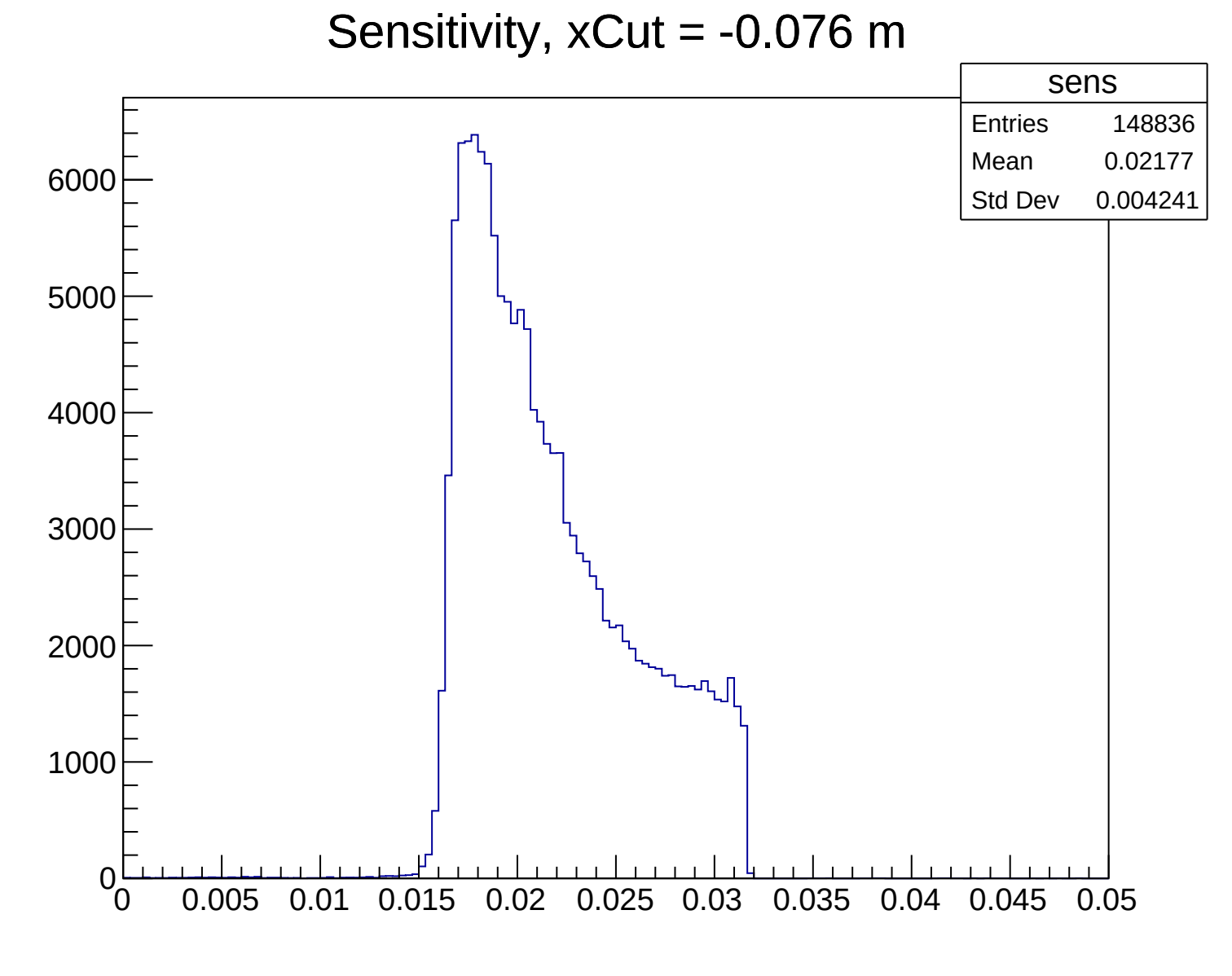

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

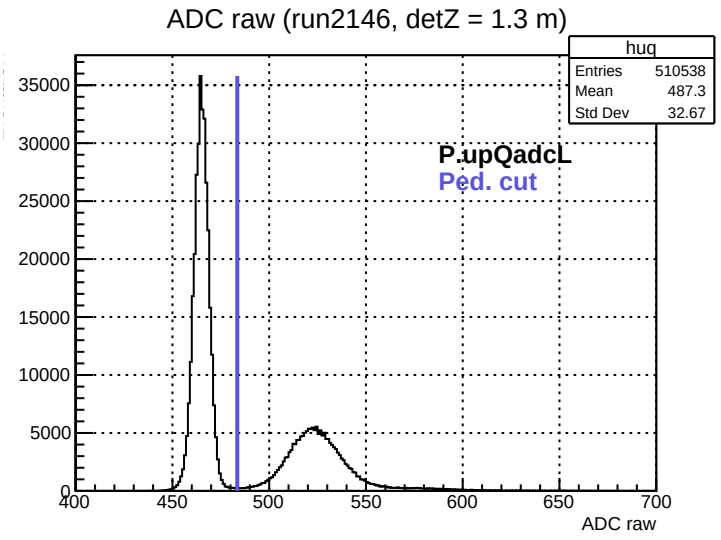

θlab (deg), xCut = -0.076 m
Theta
Entries 148836
Mean 4.738
Std Dev 0.4946
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

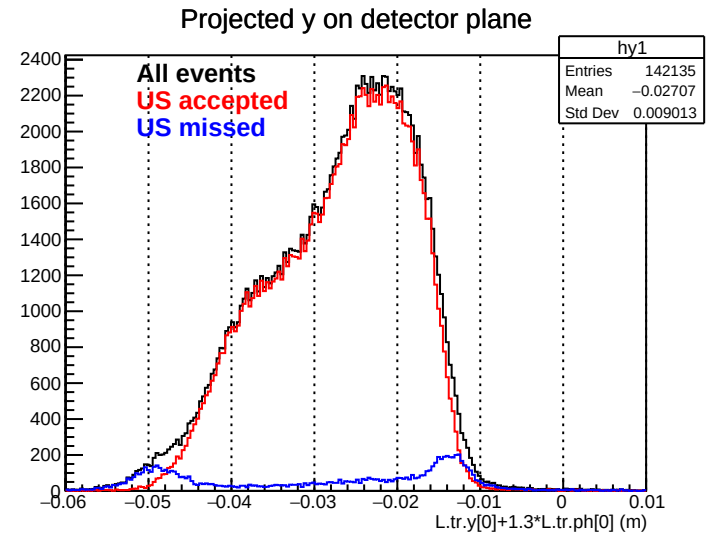

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 148836
Mean 0.5607
Std Dev 0.08776
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

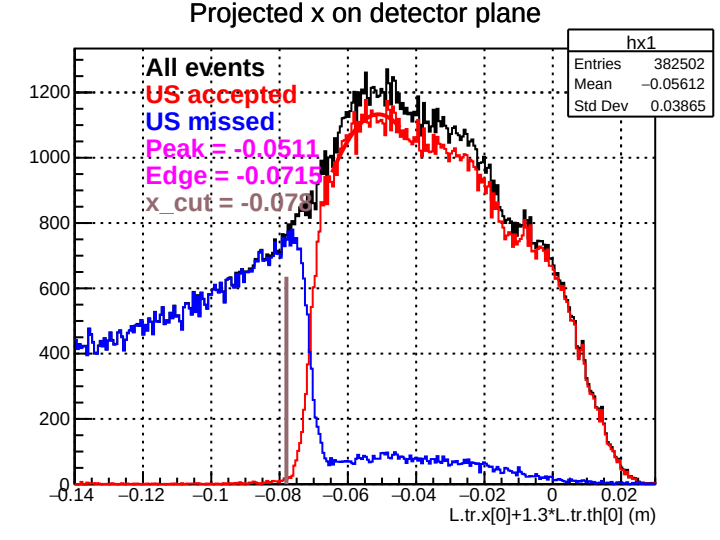

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 148836
Mean 0.5482
Std Dev 0.08373
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

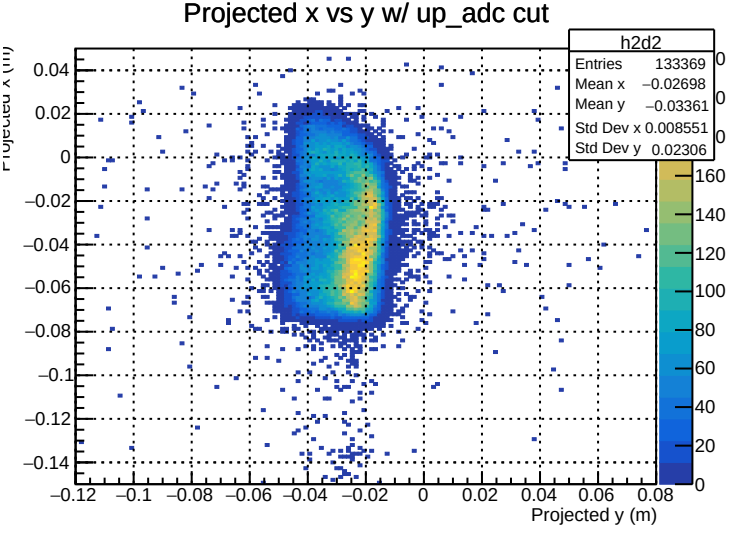

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 148836
Mean 0.006205
Std Dev 0.001332
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

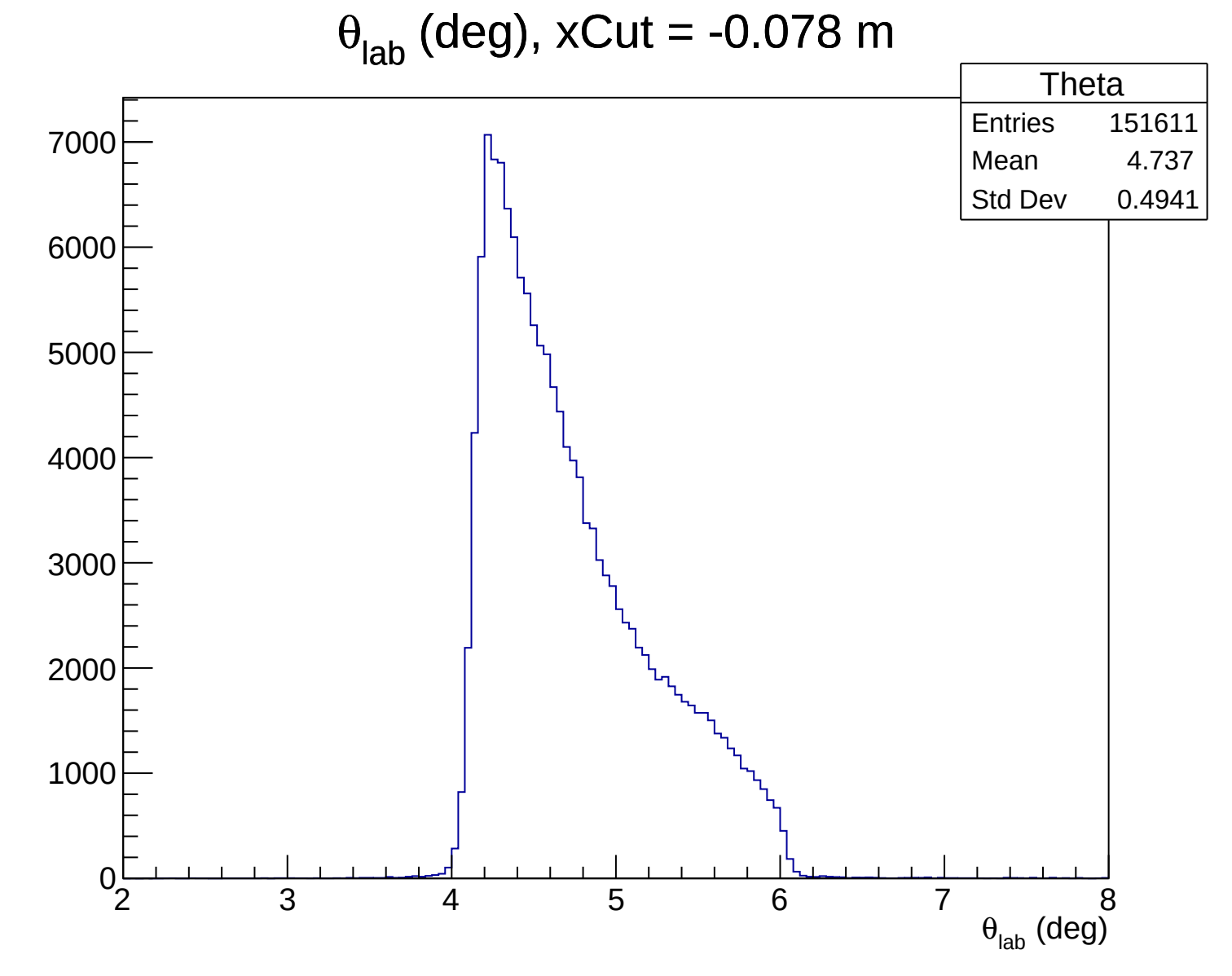

Sensitivity, xCut = -0.076 m
sens
Entries 148836
Mean 0.02177
Std Dev 0.004241
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

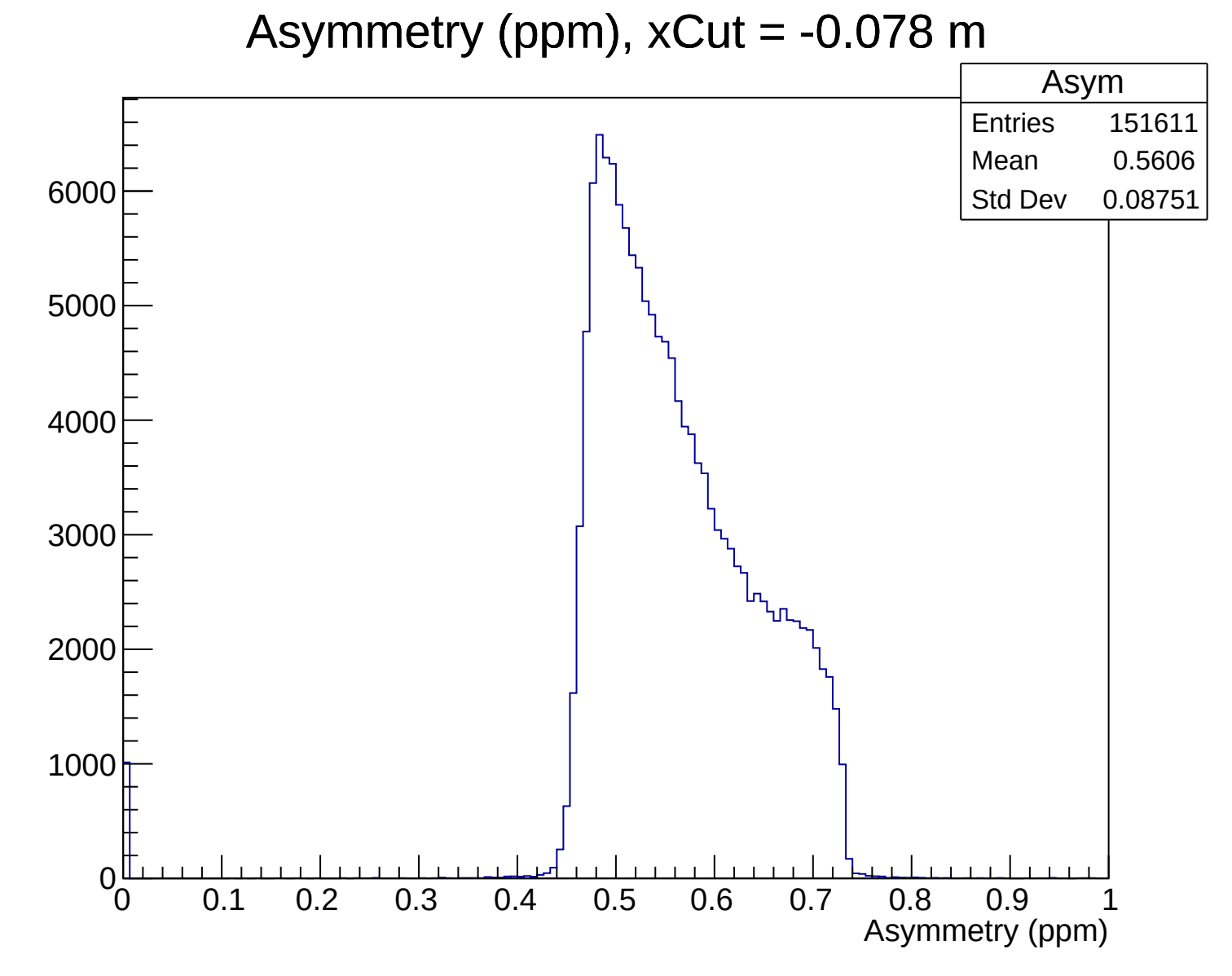

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

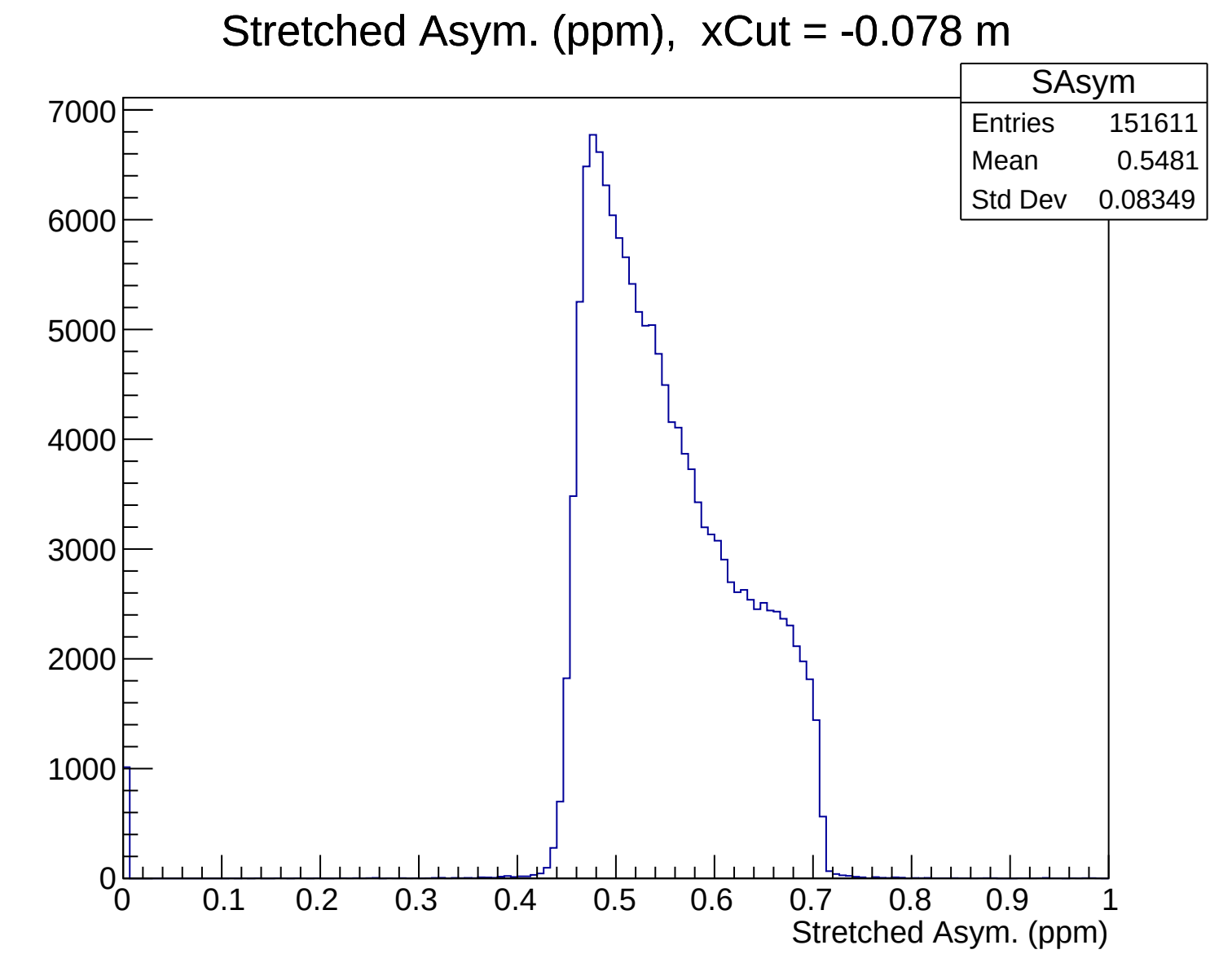

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

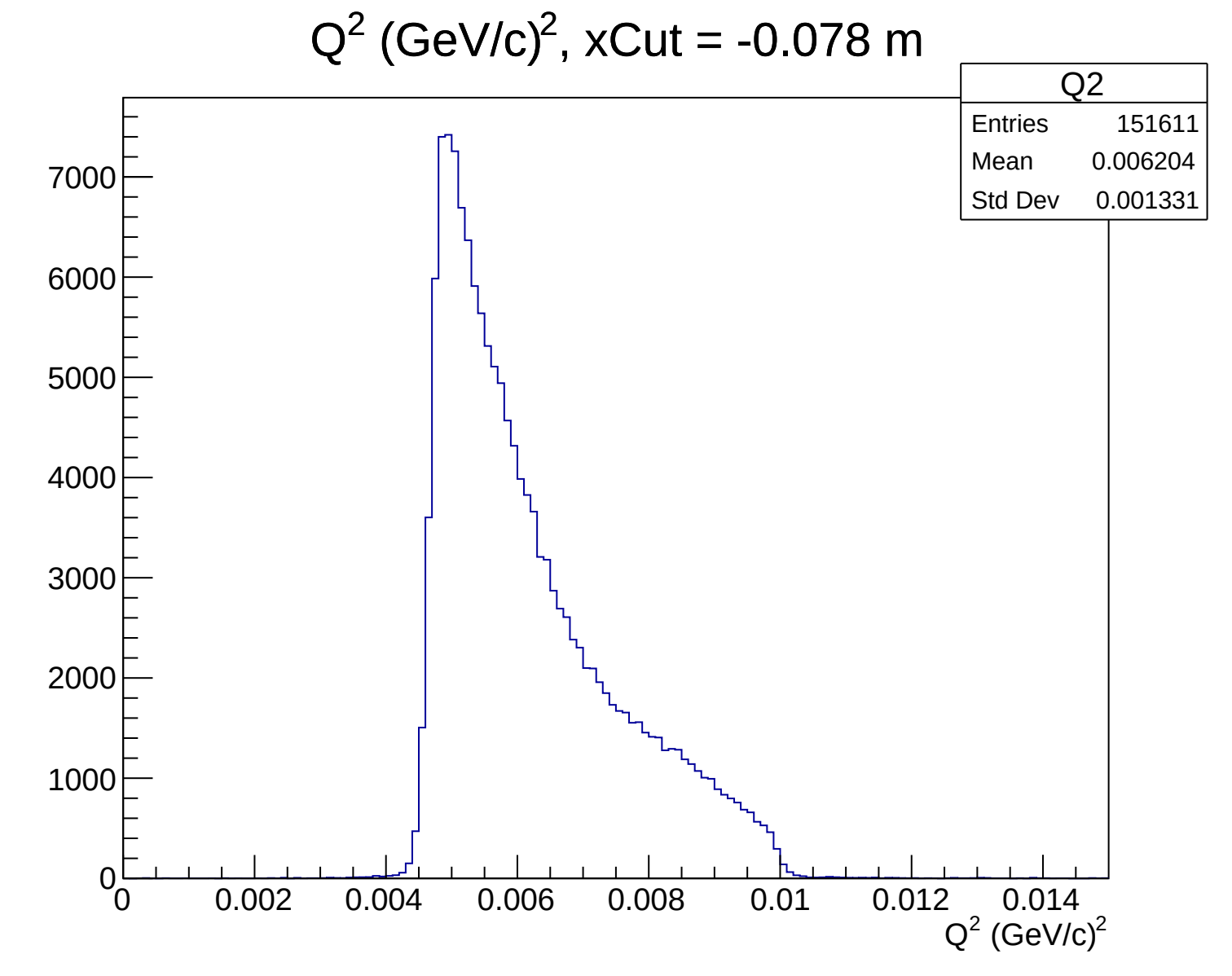

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.078
L.tr.x[0]+1.3*L.tr.th[0] (m)

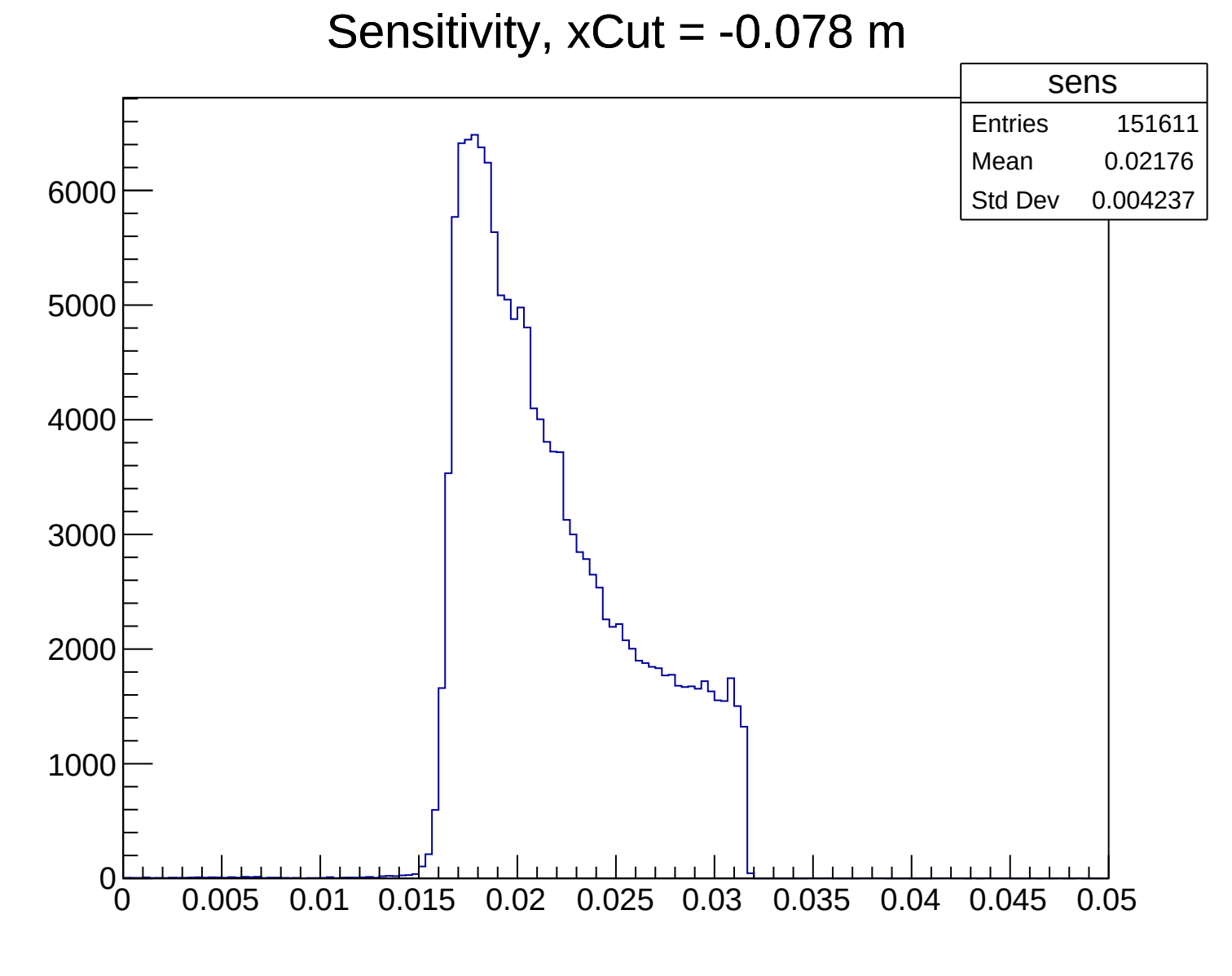

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

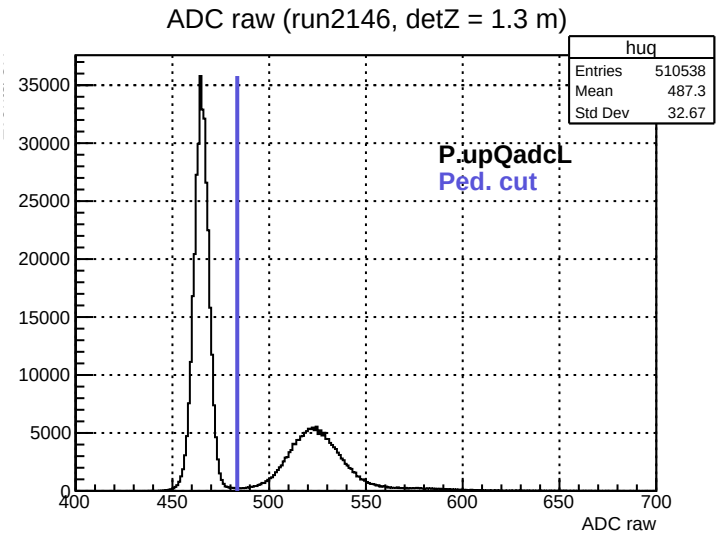

θlab (deg), xCut = -0.078 m
Theta
Entries 151611
Mean 4.737
Std Dev 0.4941
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

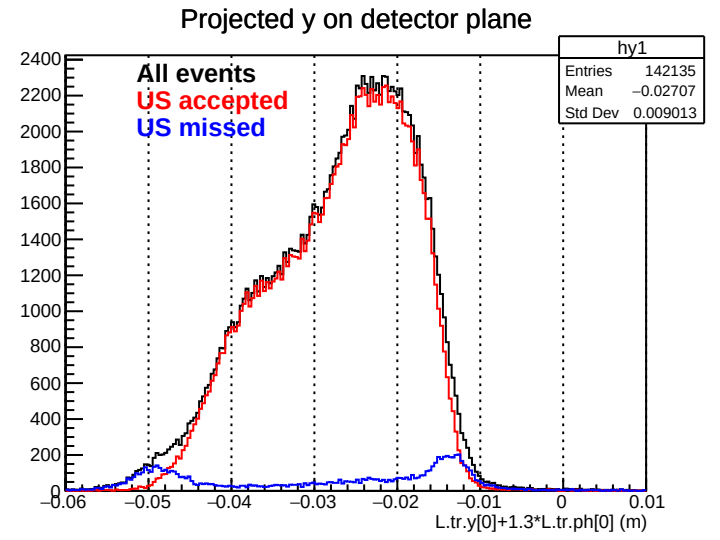

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 151611
Mean 0.5606
Std Dev 0.08751
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

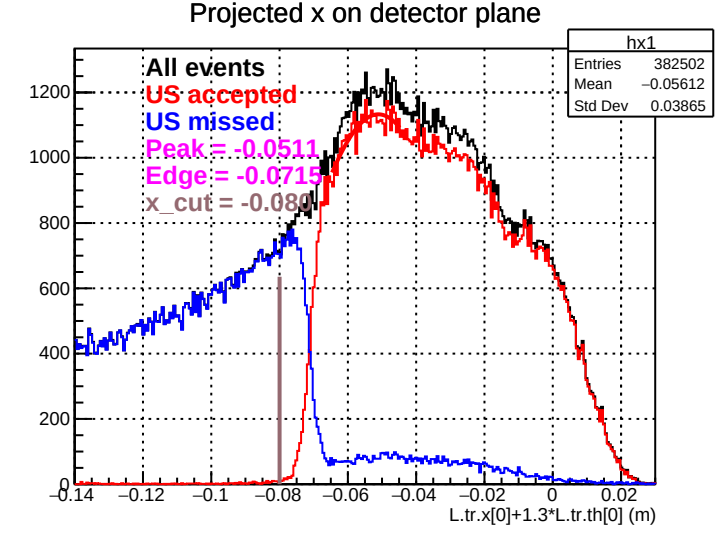

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 151611
Mean 0.5481
Std Dev 0.08349
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

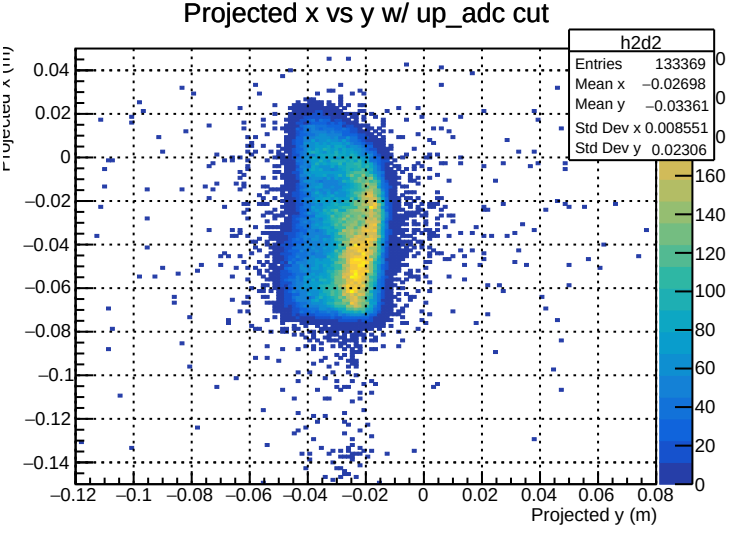

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 151611
Mean 0.006204
Std Dev 0.001331
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

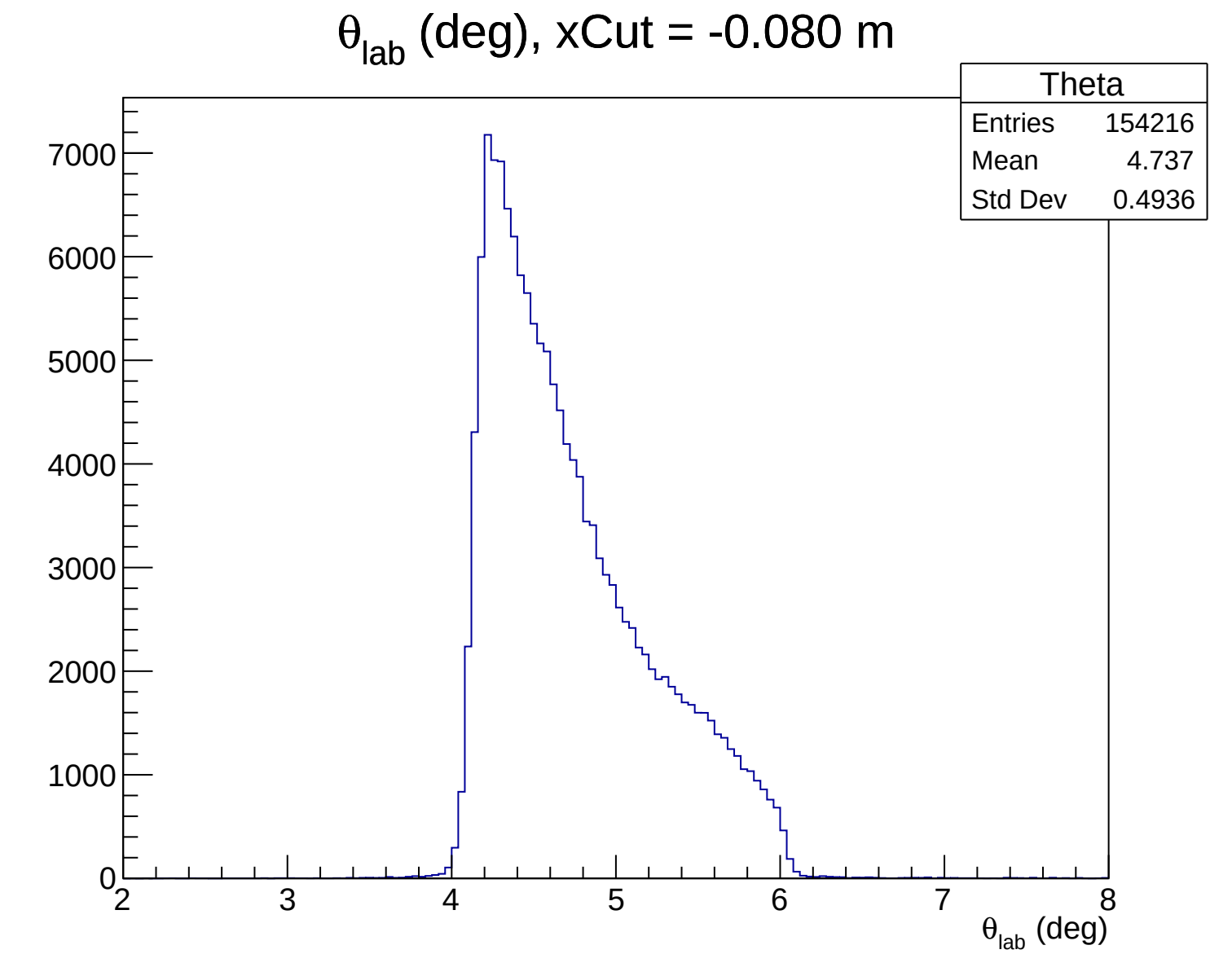

Sensitivity, xCut = -0.078 m
sens
Entries 151611
Mean 0.02176
Std Dev 0.004237
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

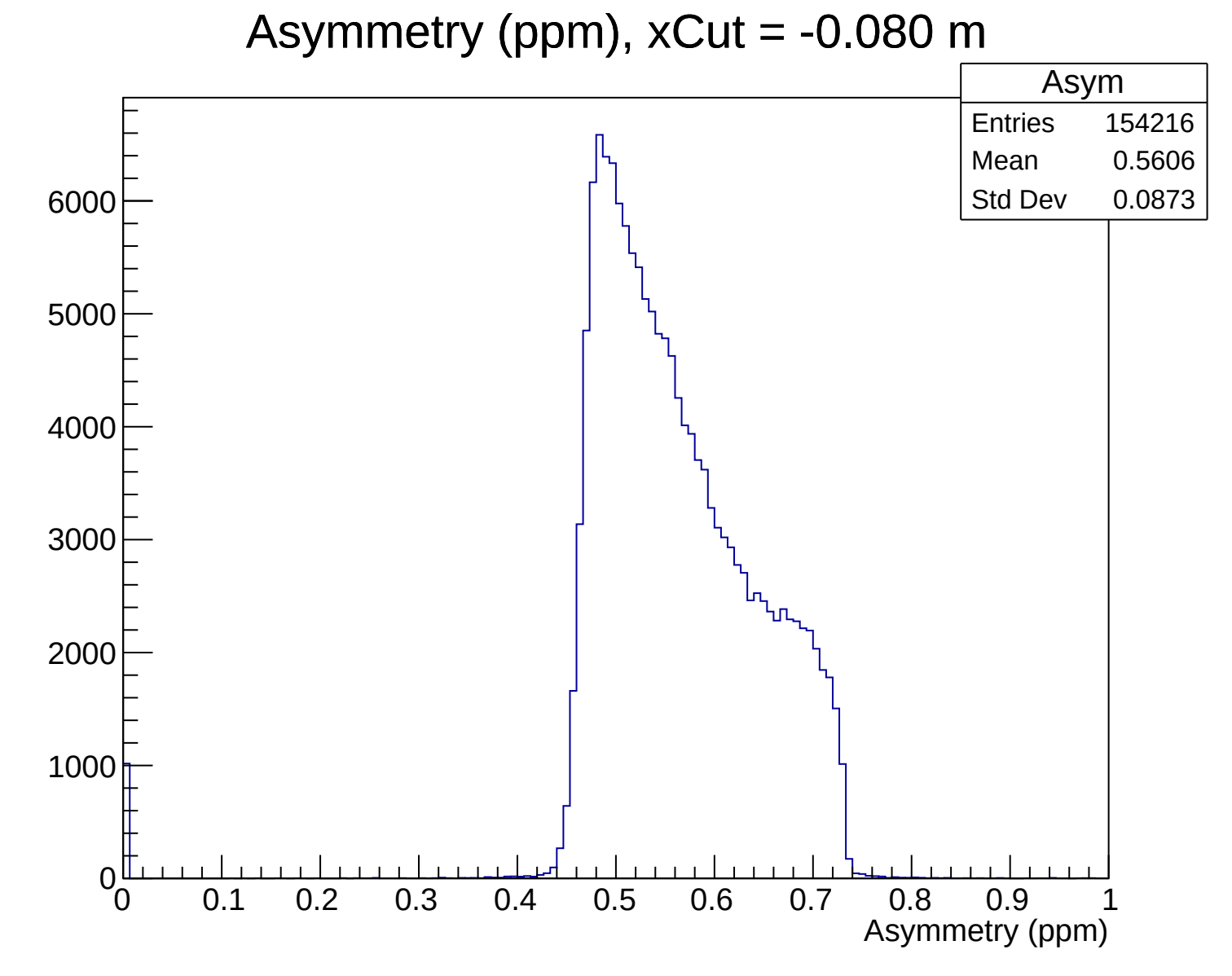

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

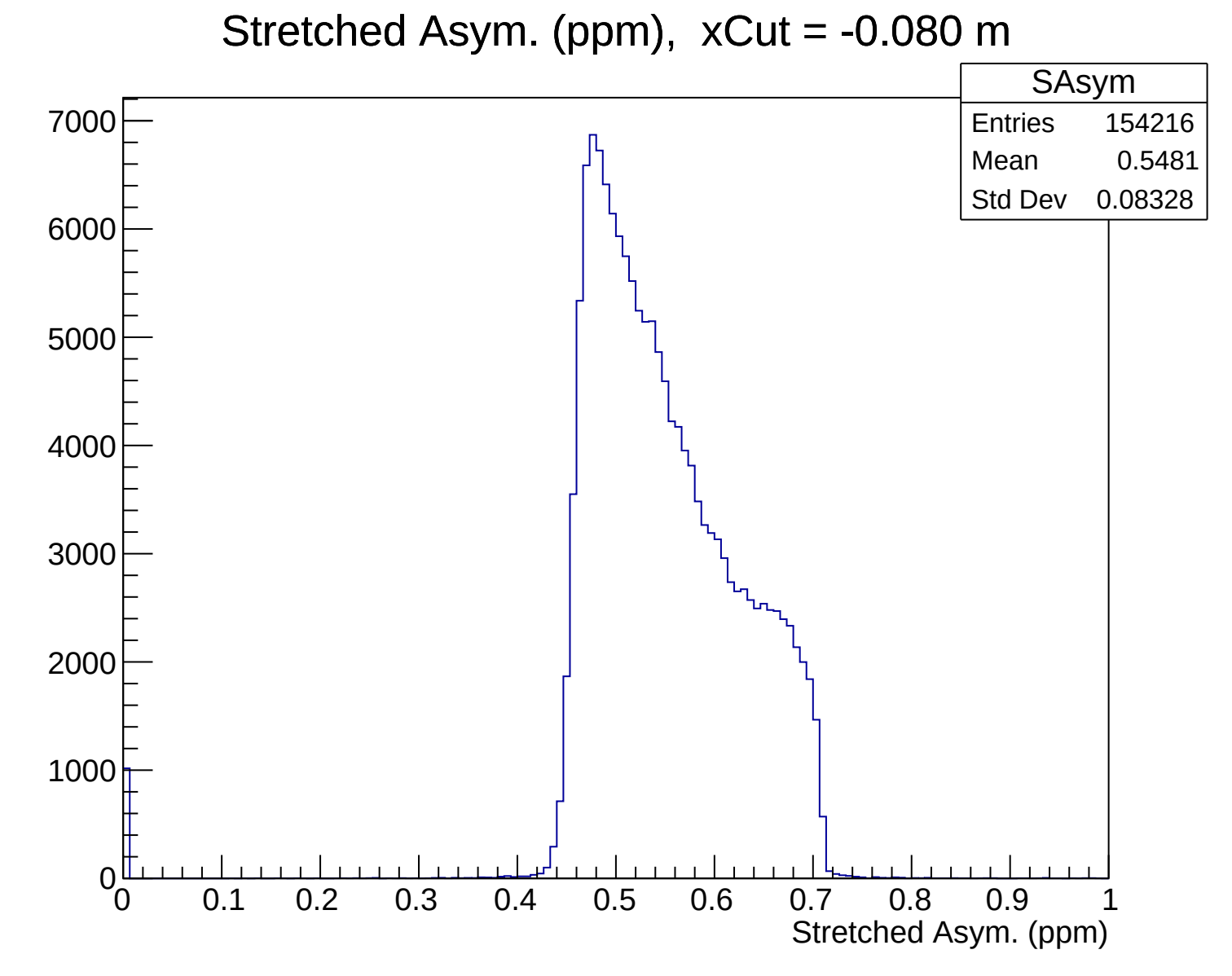

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

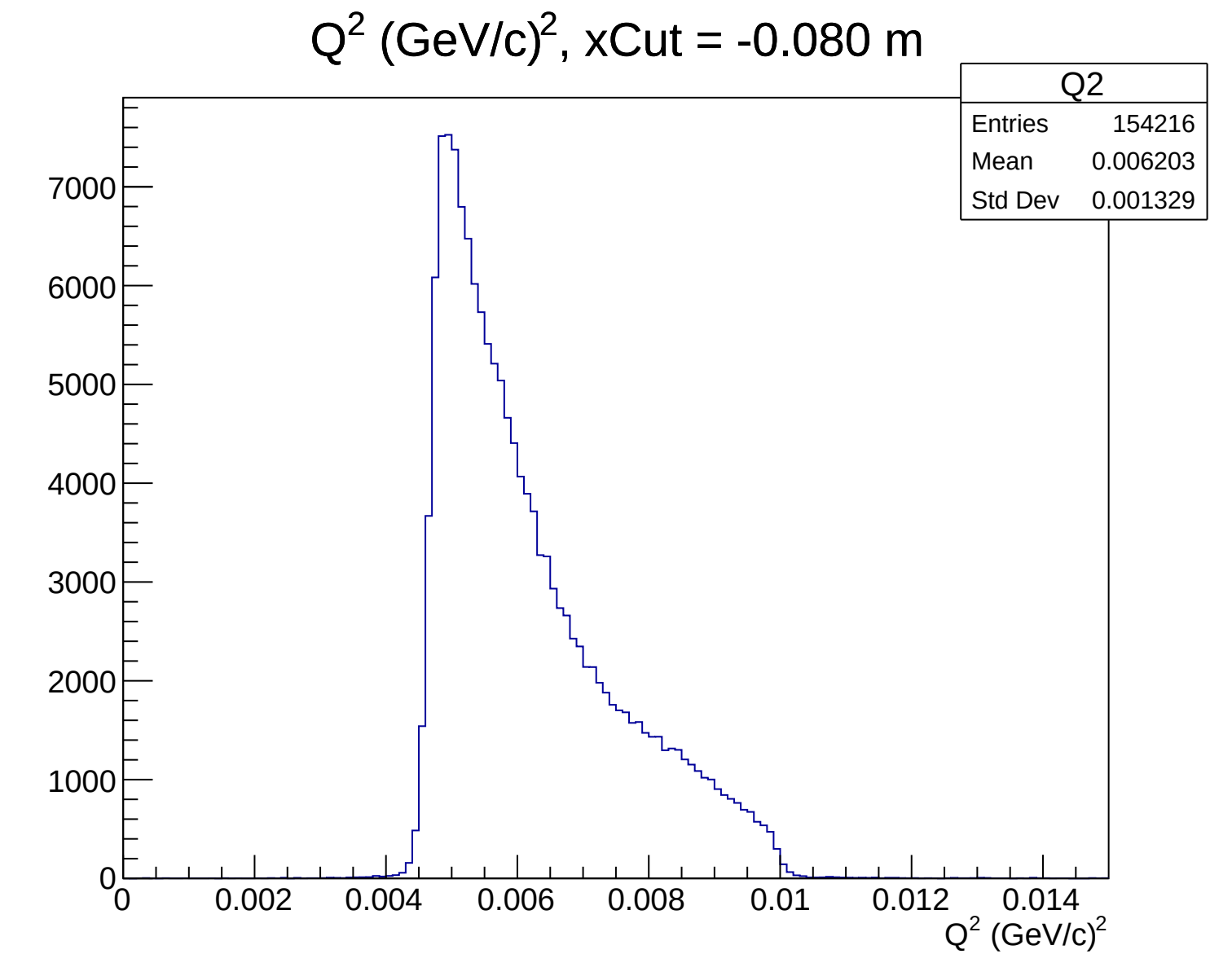

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

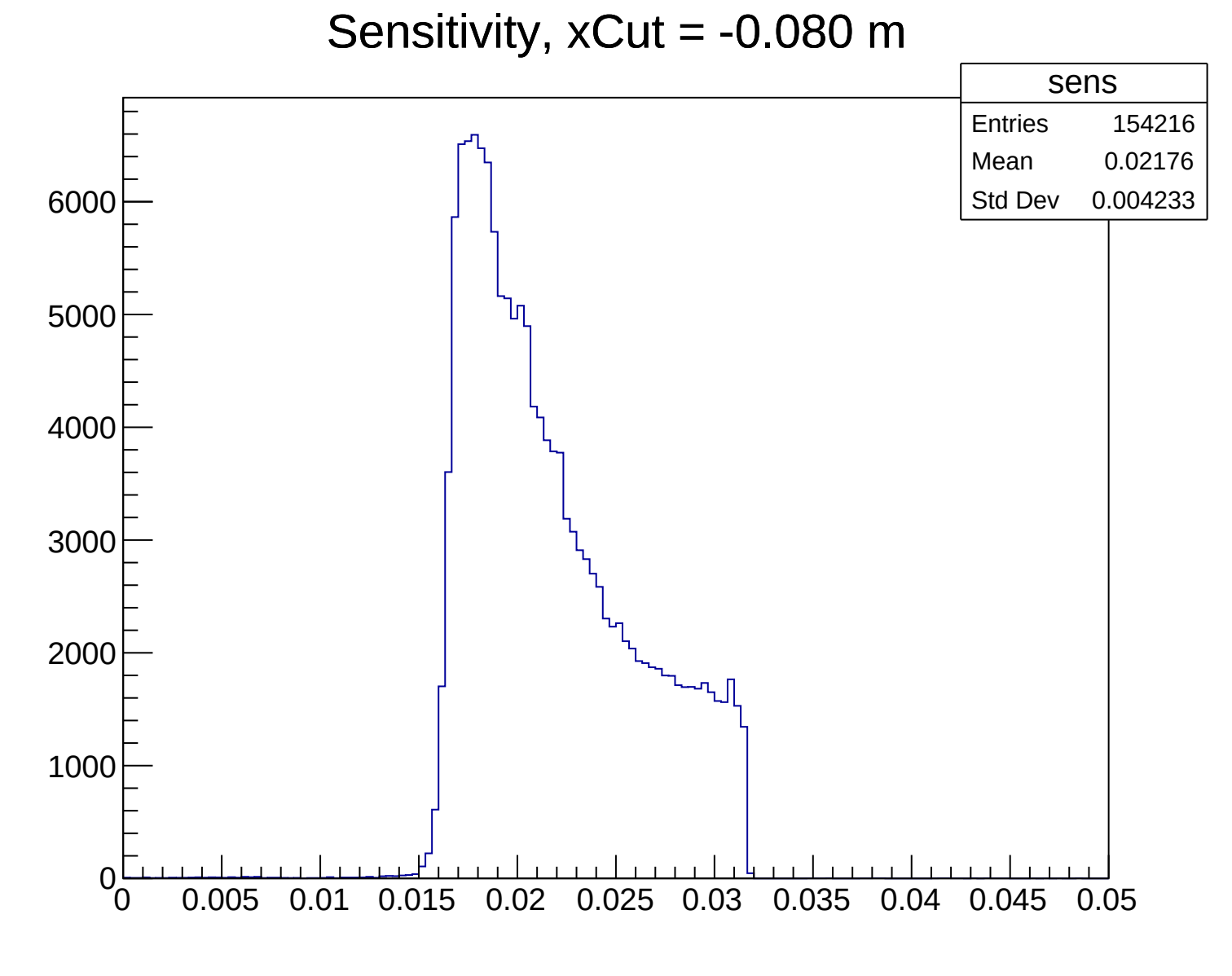

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

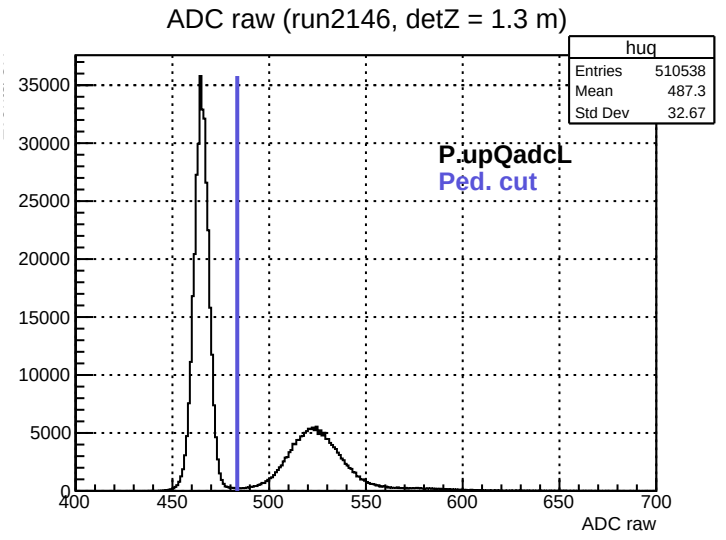

θlab (deg), xCut = -0.080 m
Theta
Entries 154216
Mean 4.737
Std Dev 0.4936
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

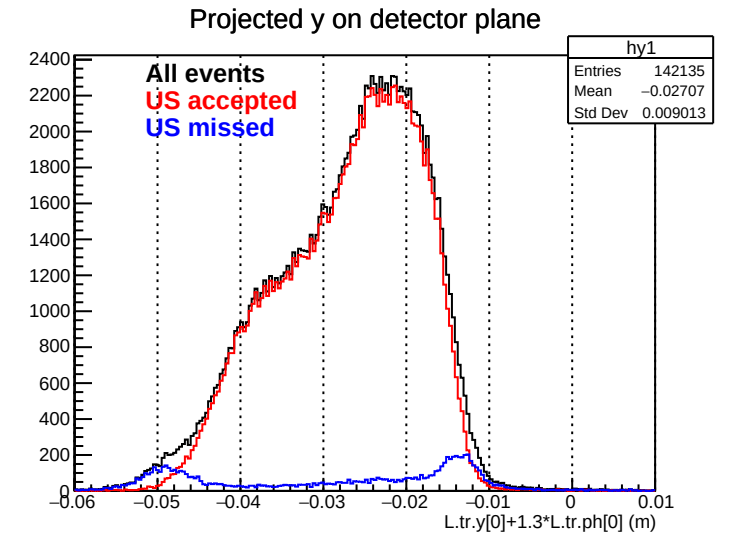

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 154216
Mean 0.5606
Std Dev 0.0873
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

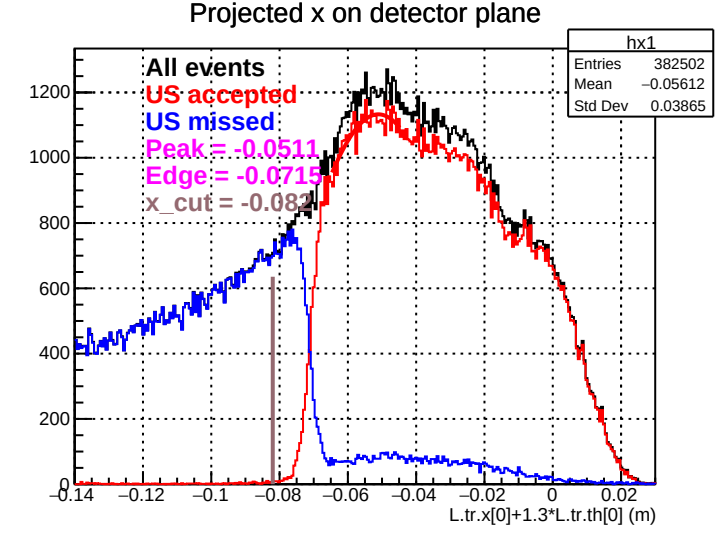

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 154216
Mean 0.5481
Std Dev 0.08328
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

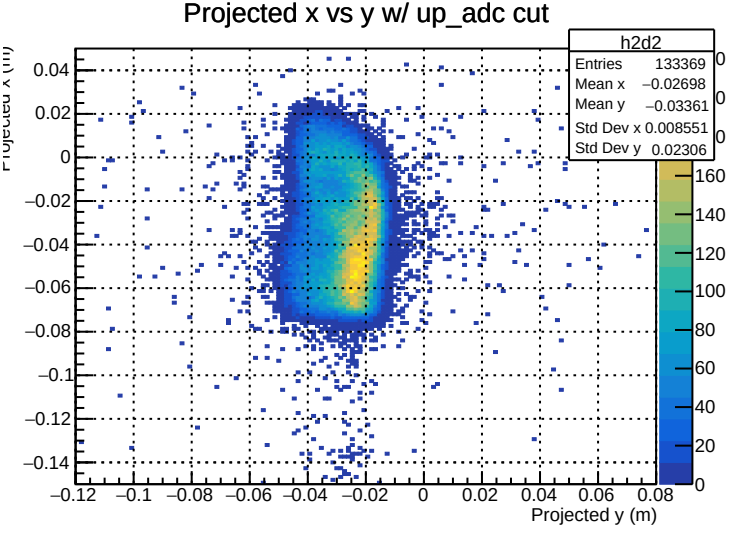

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 154216
Mean 0.006203
Std Dev 0.001329
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

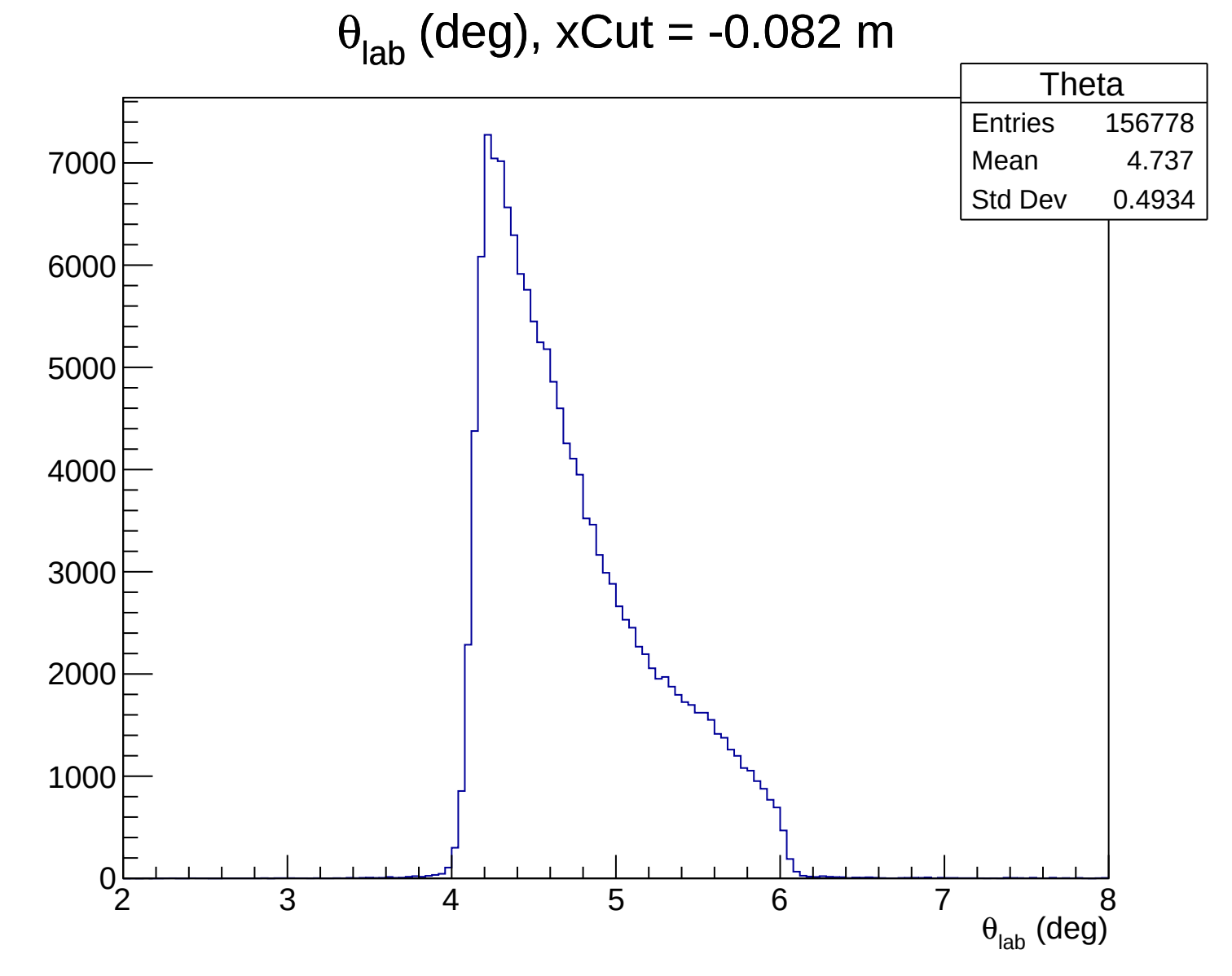

Sensitivity, xCut = -0.080 m
sens
Entries 154216
Mean 0.02176
Std Dev 0.004233
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

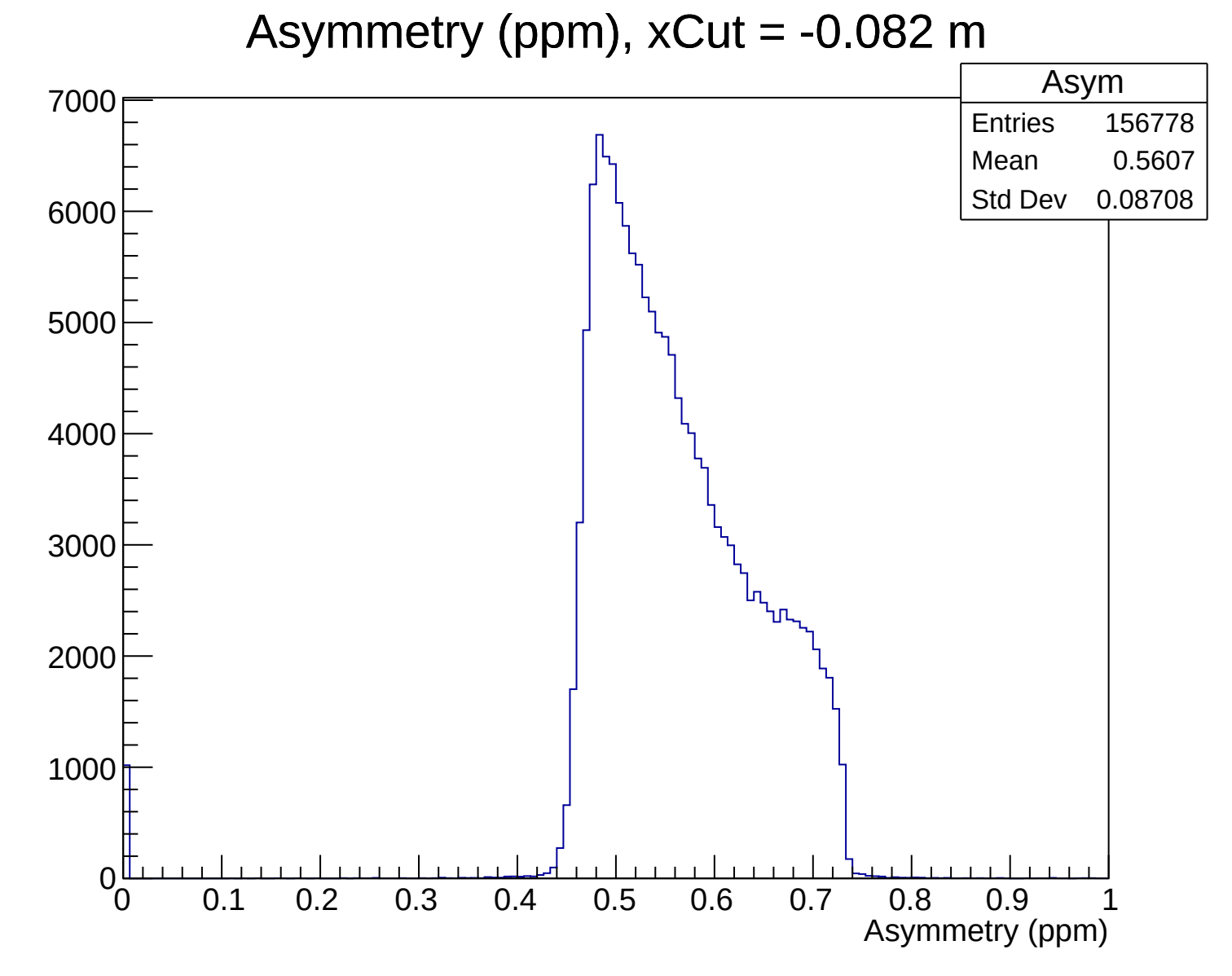

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

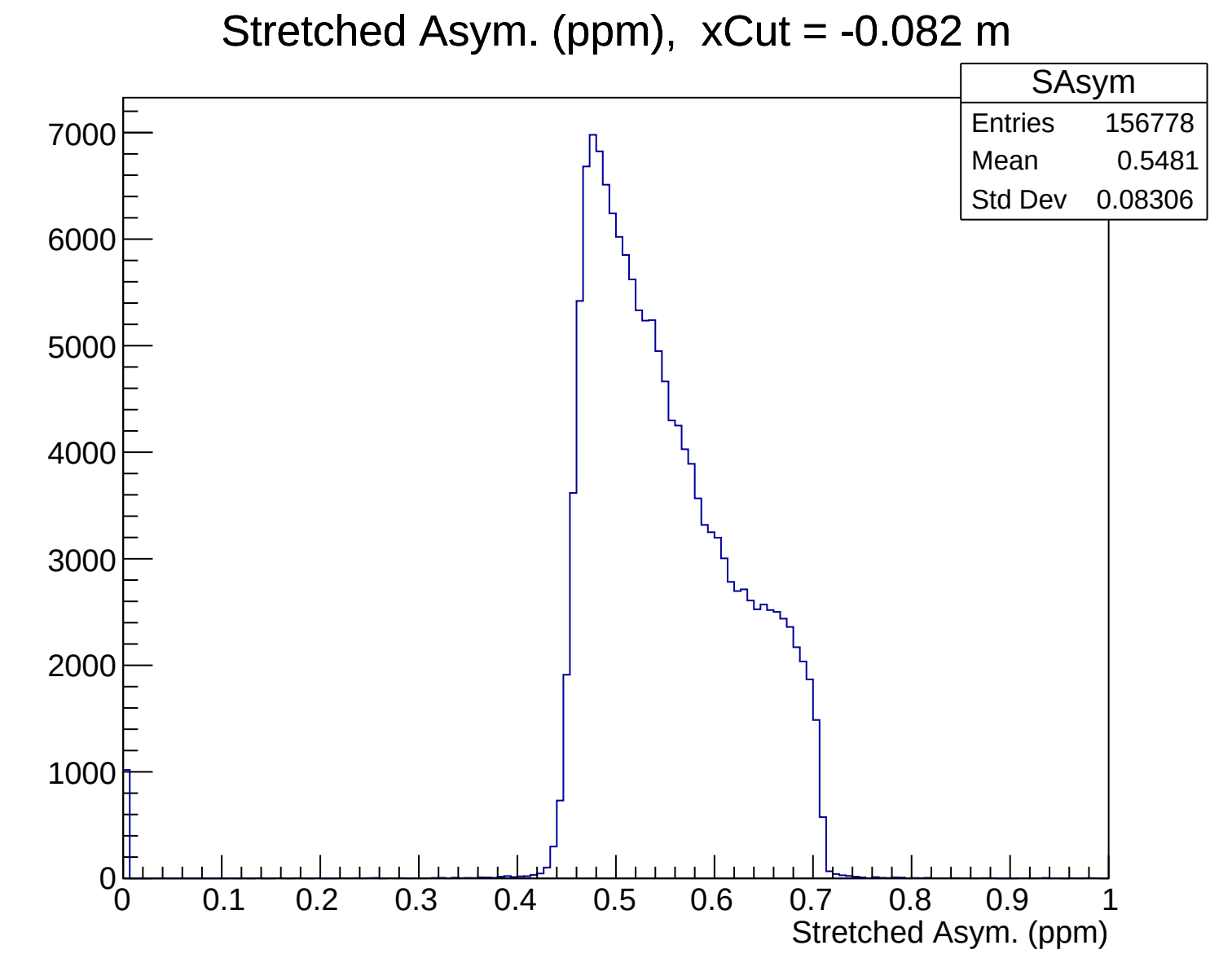

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

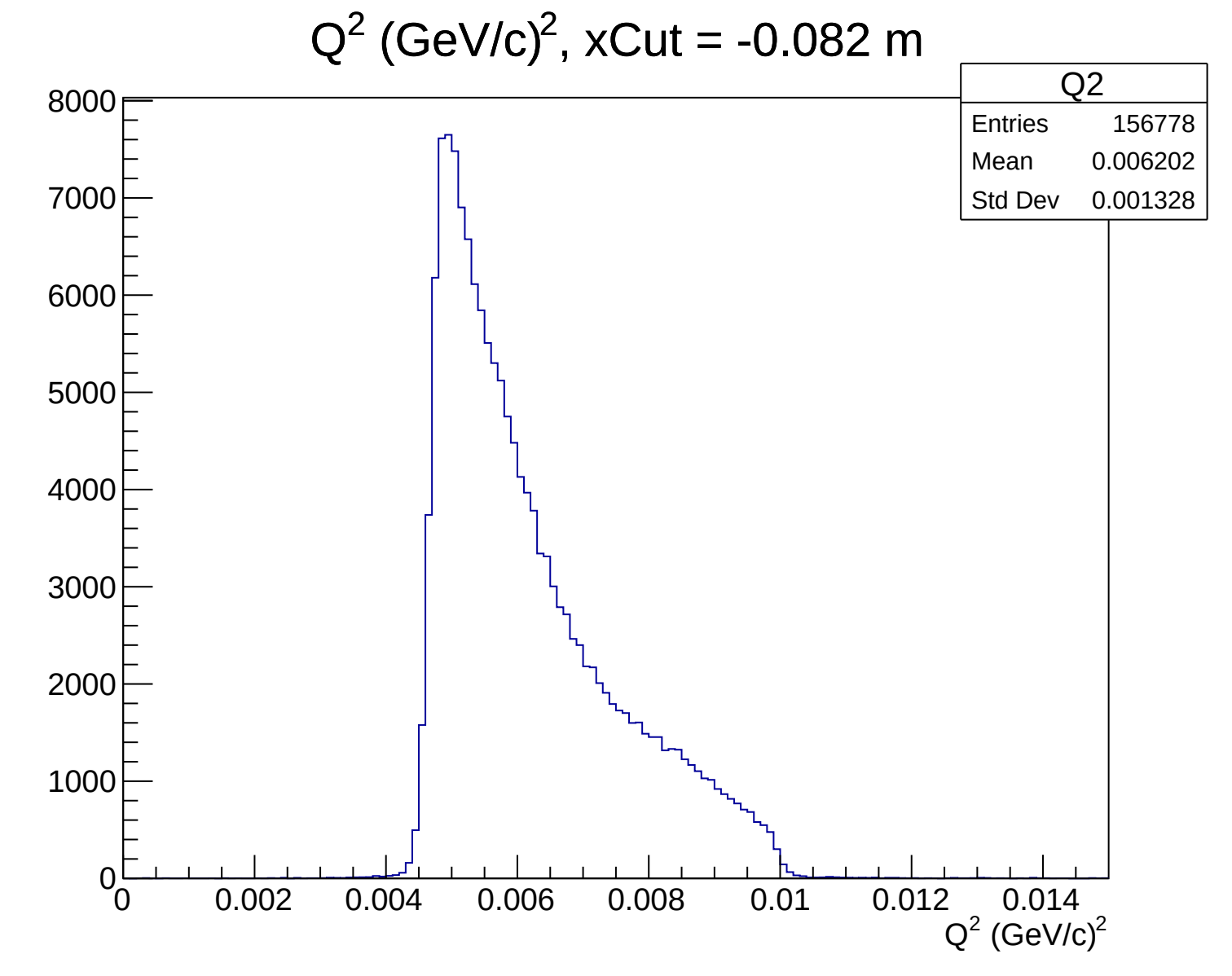

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.082
L.tr.x[0]+1.3*L.tr.th[0] (m)

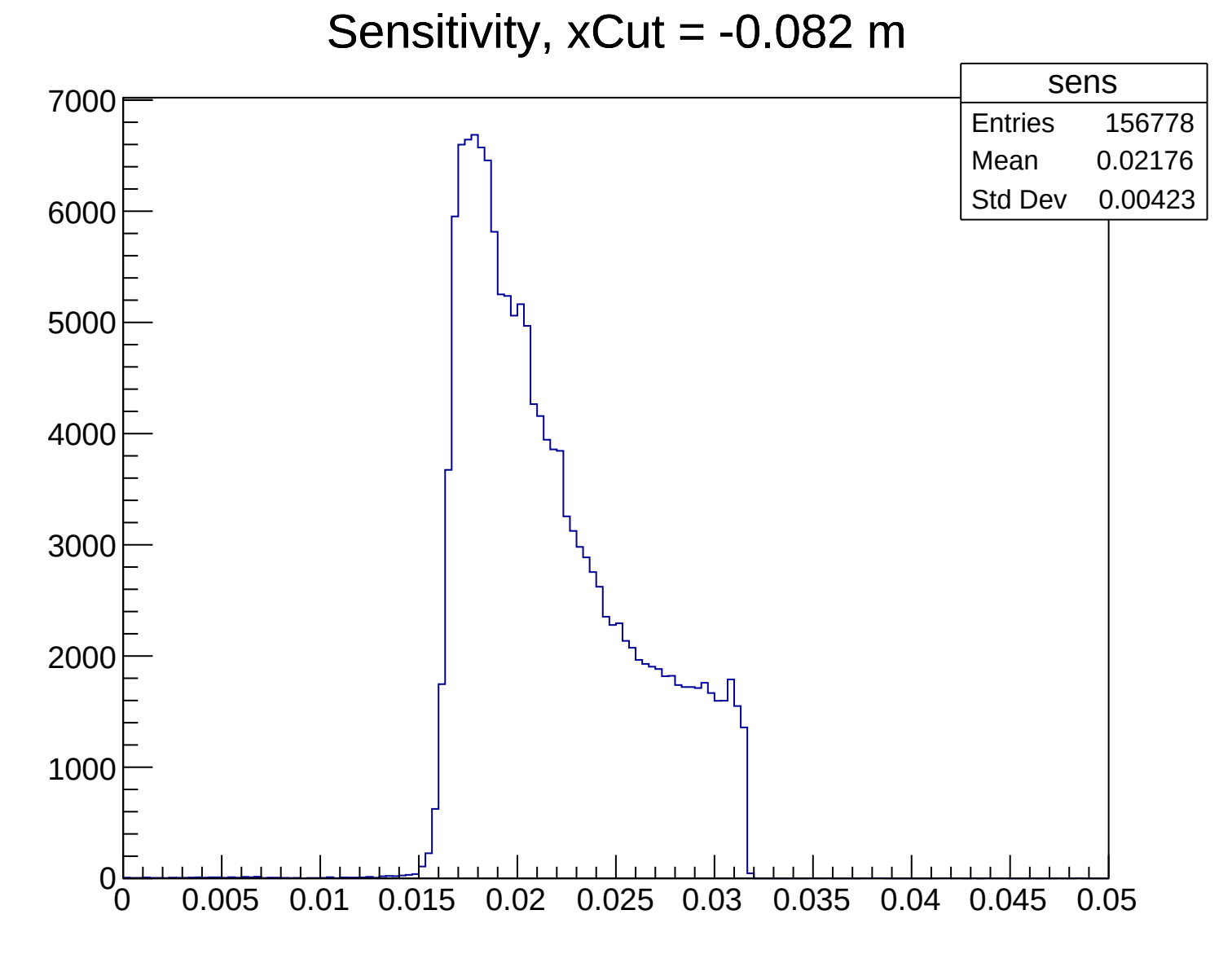

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

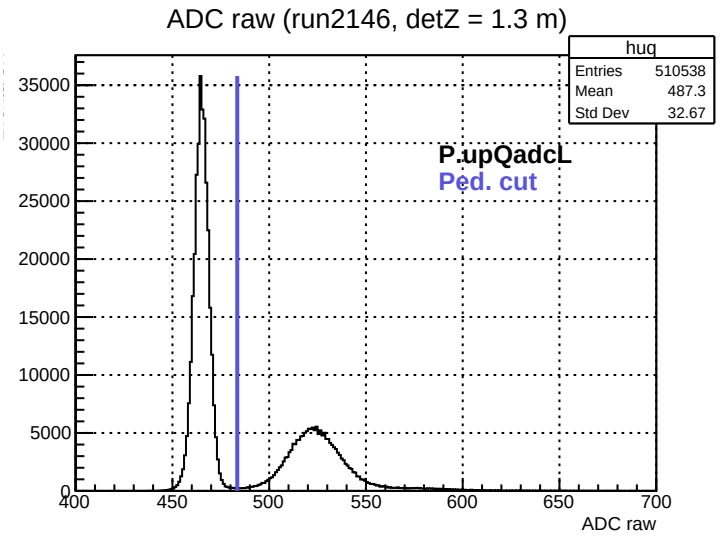

θlab (deg), xCut = -0.082 m
Theta
Entries 156778
Mean 4.737
Std Dev 0.4934
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

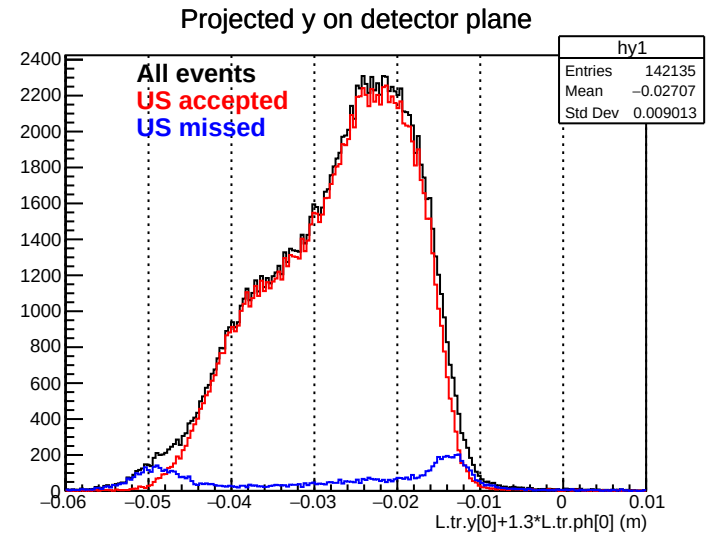

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 156778
Mean 0.5607
Std Dev 0.08708
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

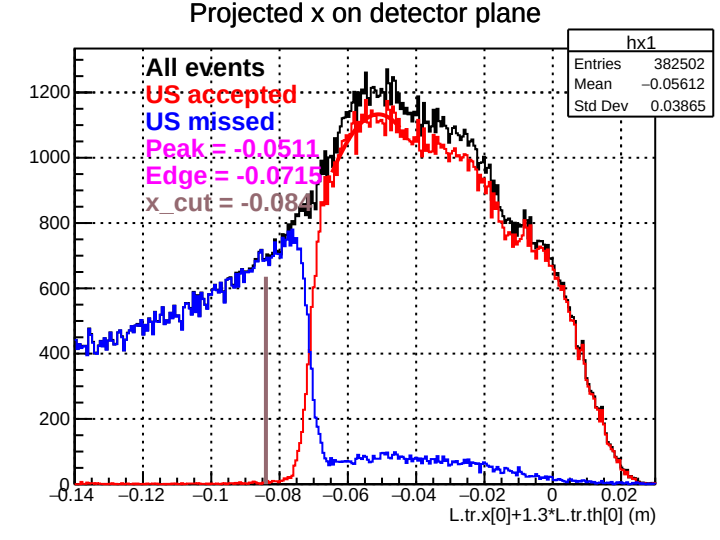

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 156778
Mean 0.5481
Std Dev 0.08306
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

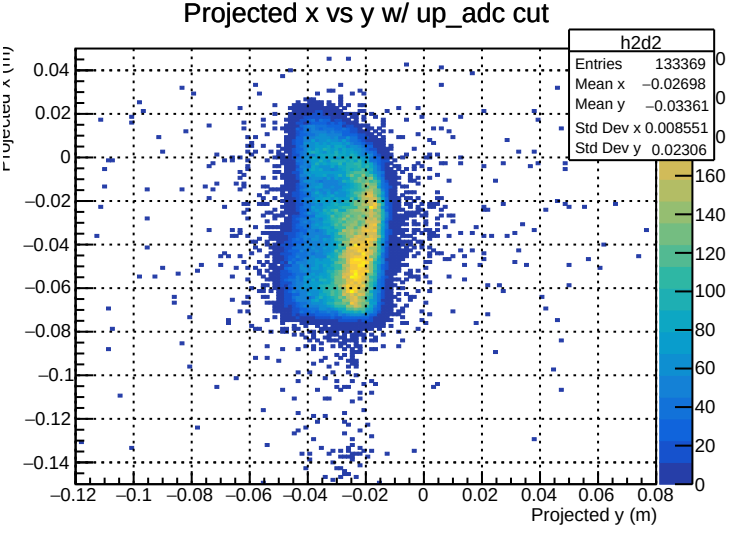

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 156778
Mean 0.006202
Std Dev 0.001328
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

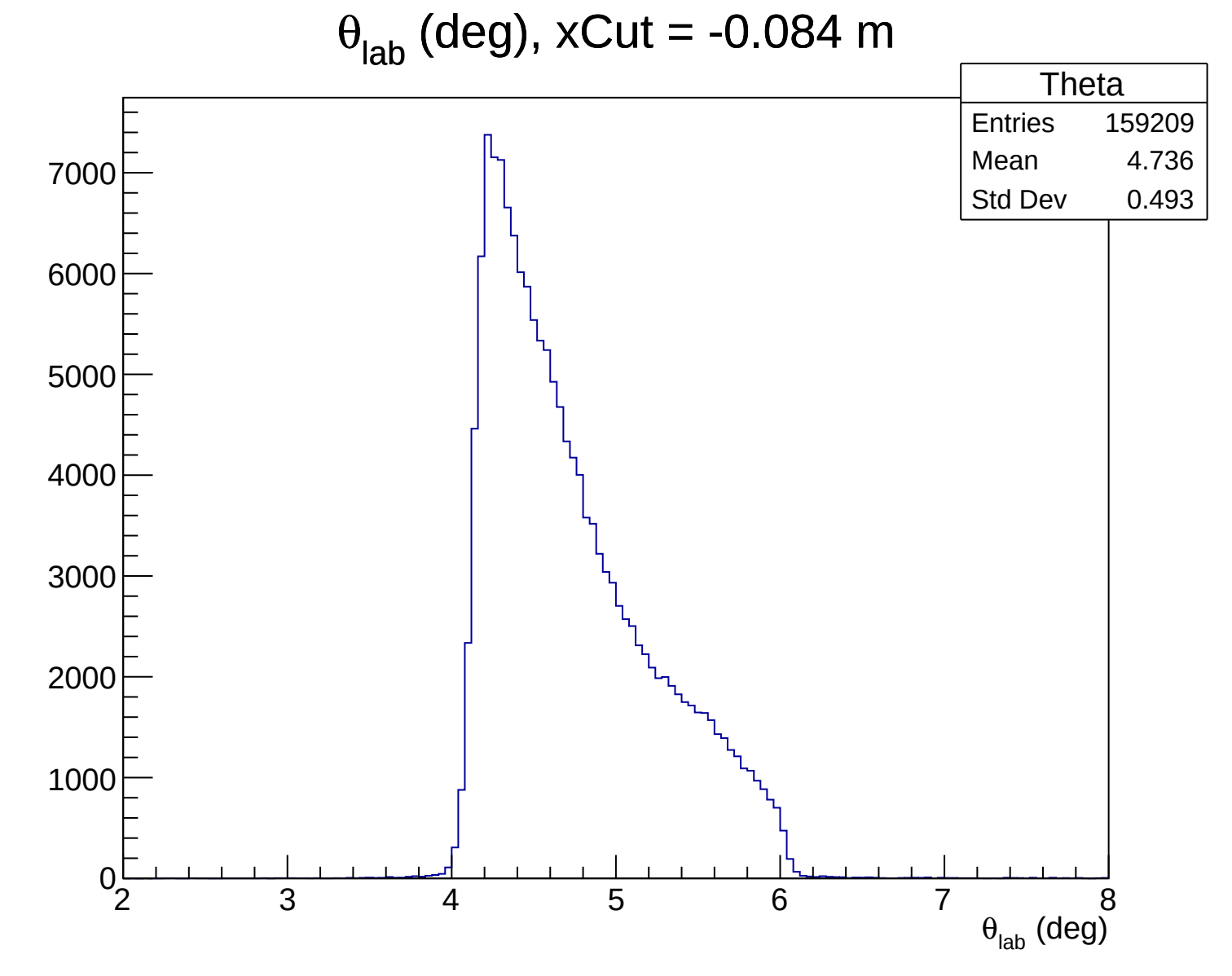

Sensitivity, xCut = -0.082 m
sens
Entries 156778
Mean 0.02176
Std Dev 0.00423
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

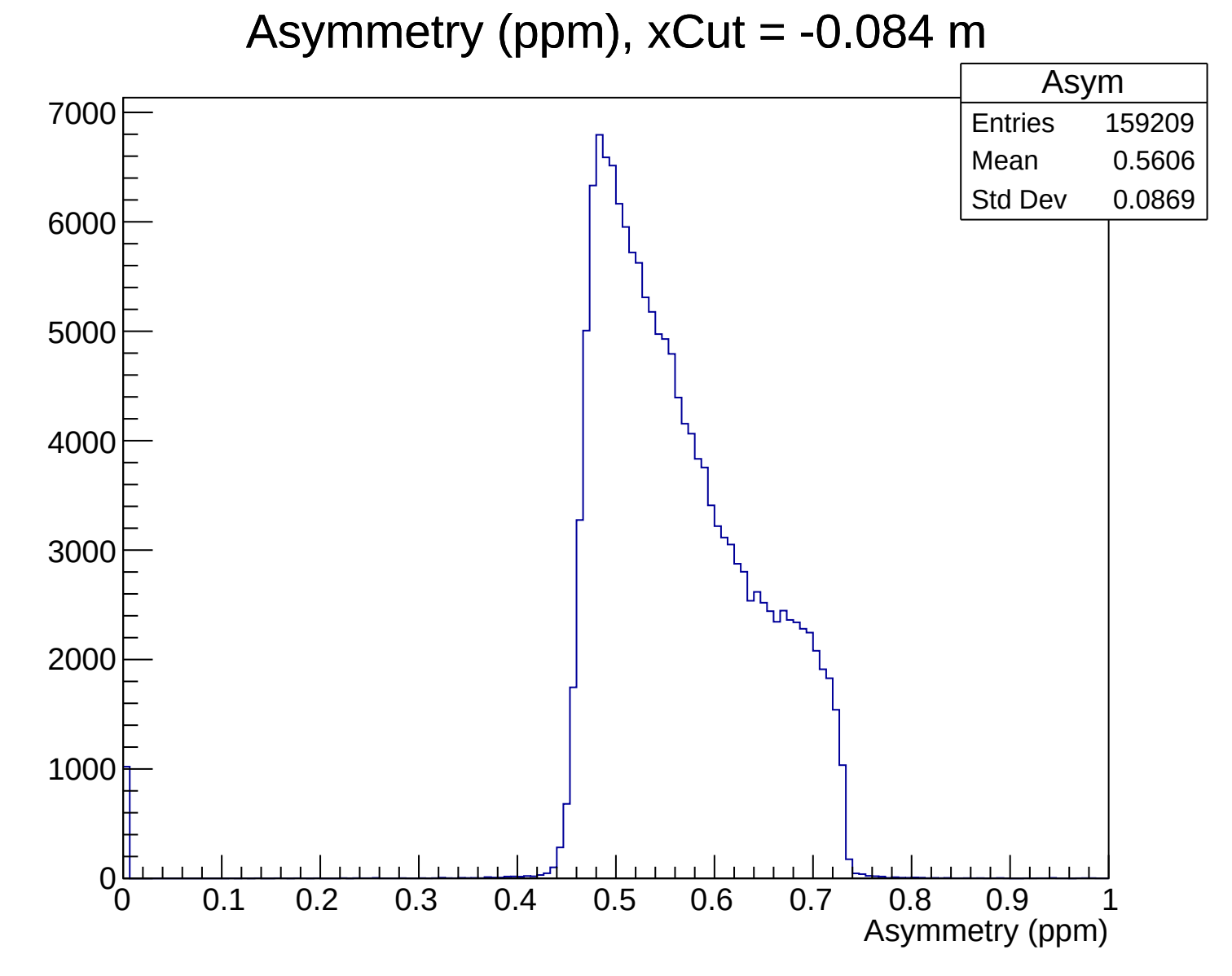

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

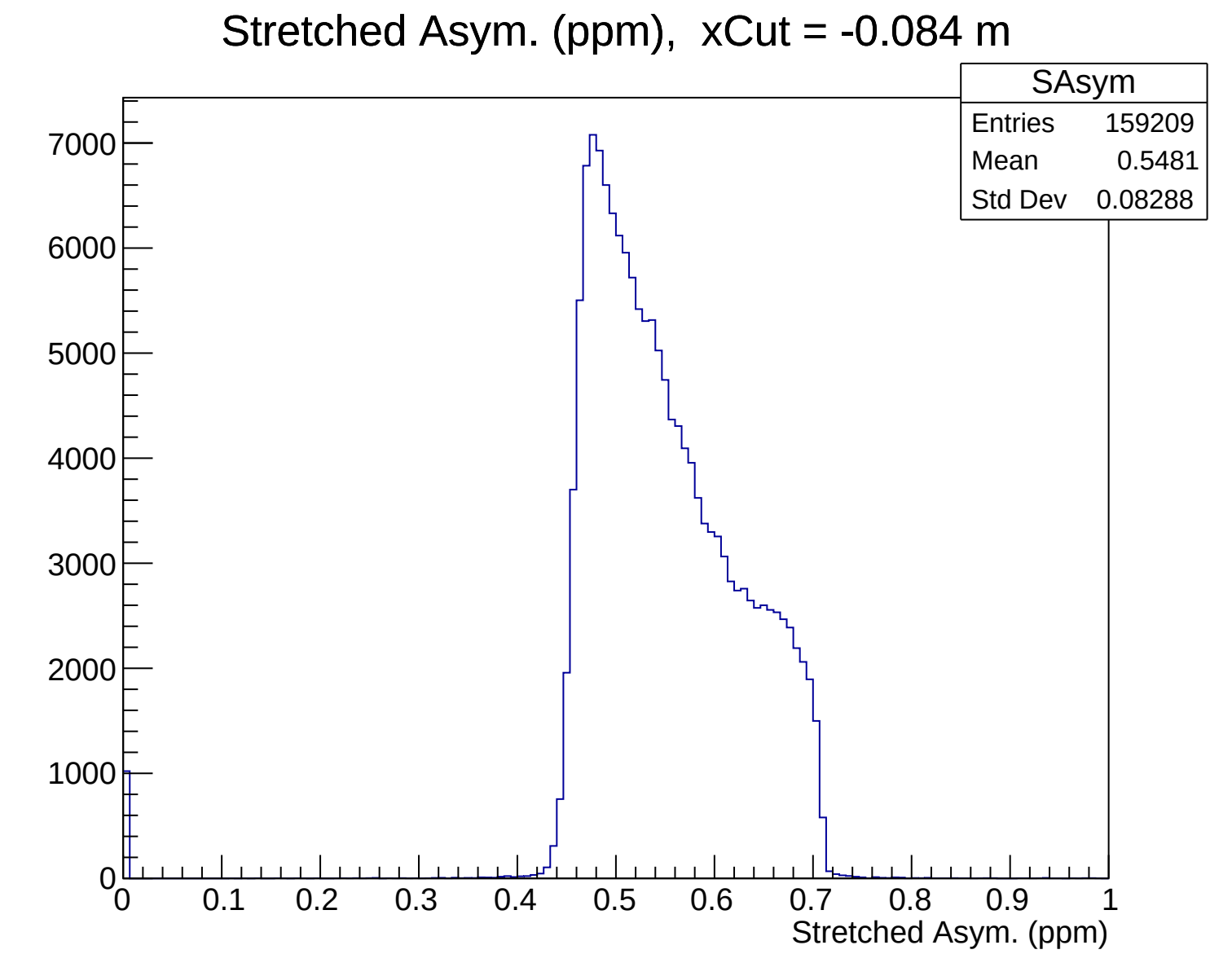

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

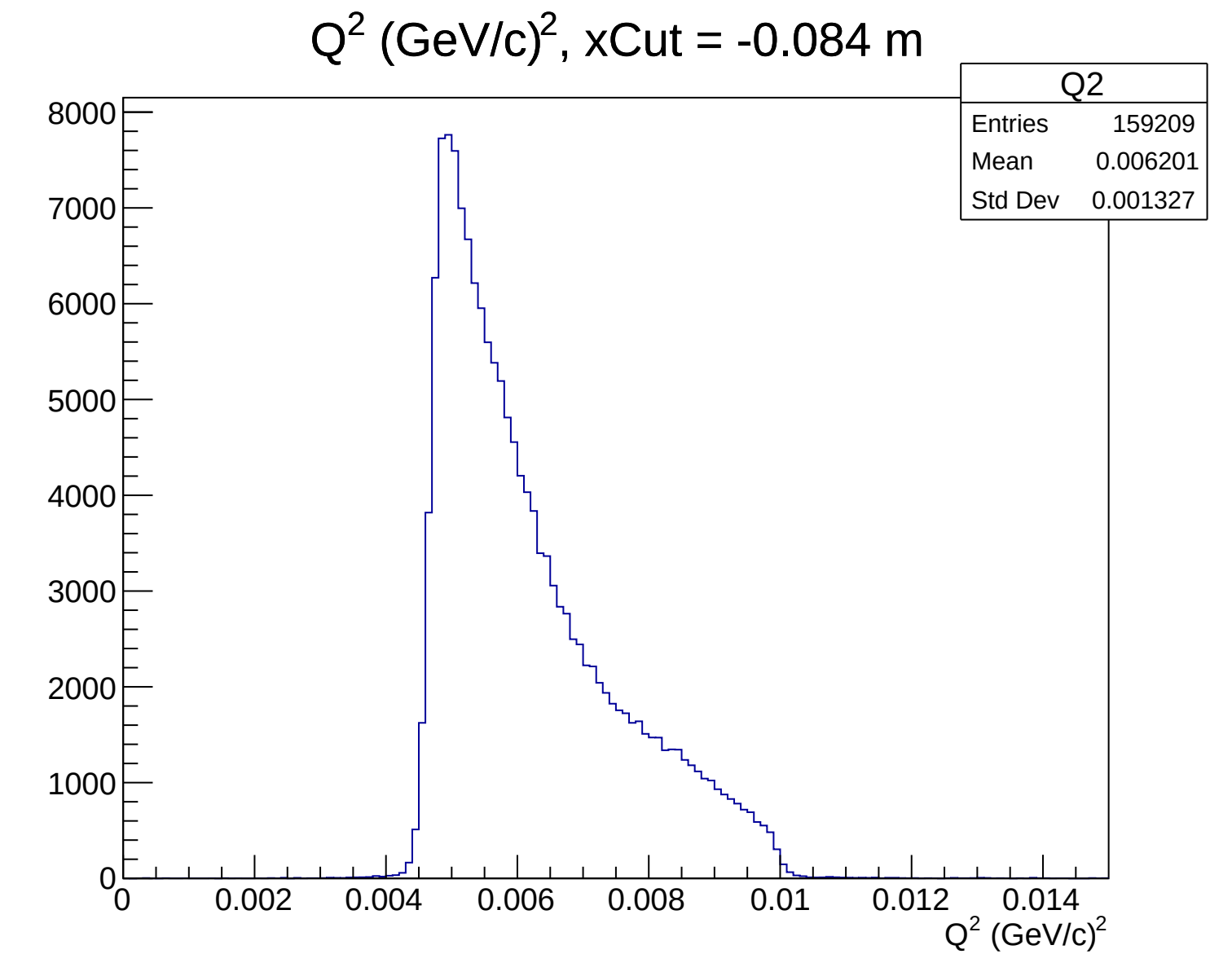

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

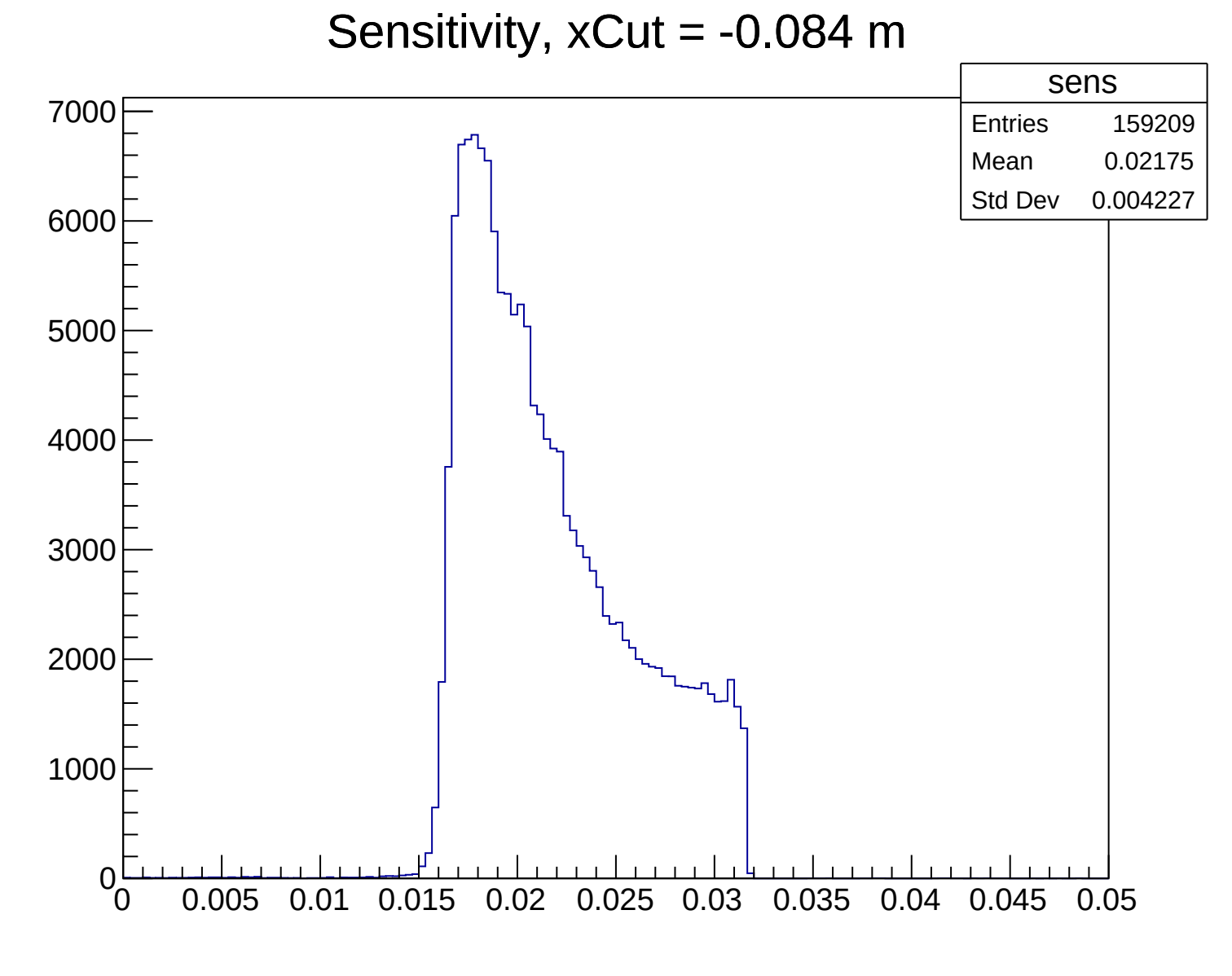

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

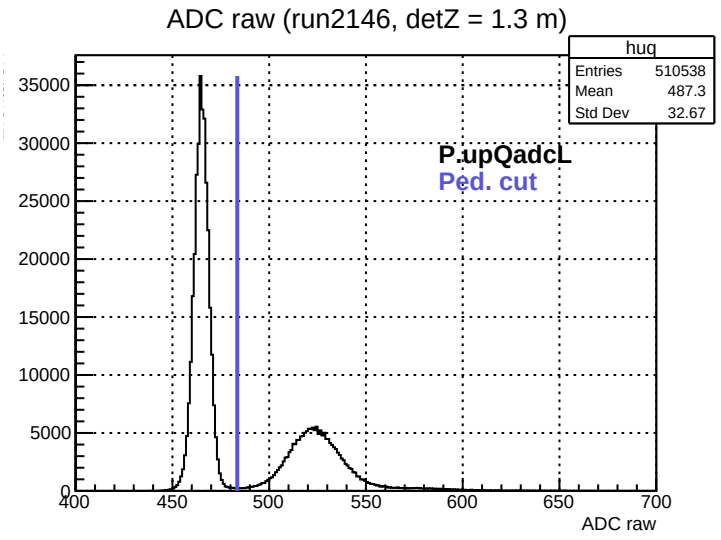

θlab (deg), xCut = -0.084 m
Theta
Entries 159209
Mean 4.736
Std Dev 0.493
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

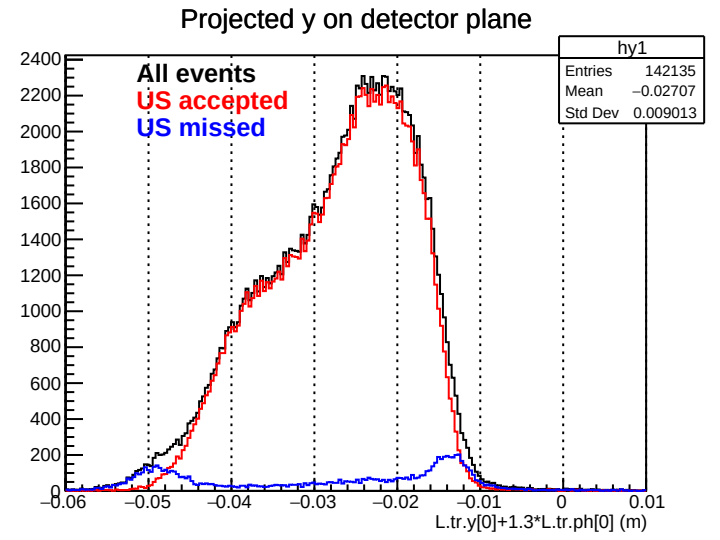

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 159209
Mean 0.5606
Std Dev 0.0869
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

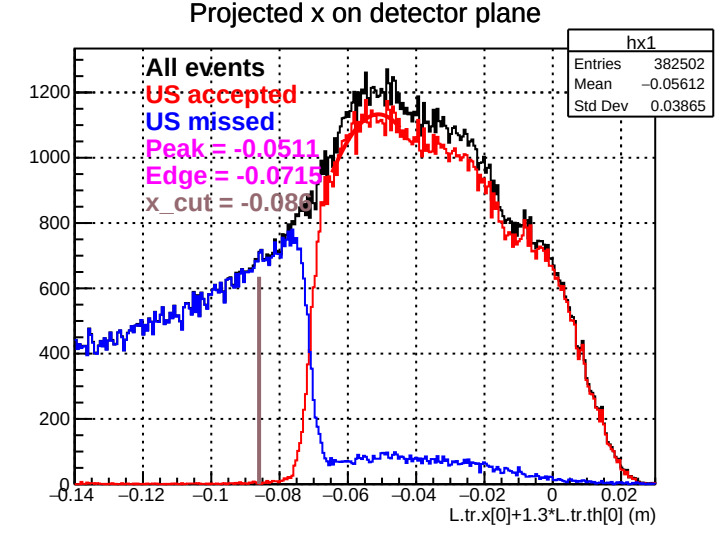

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 159209
Mean 0.5481
Std Dev 0.08288
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

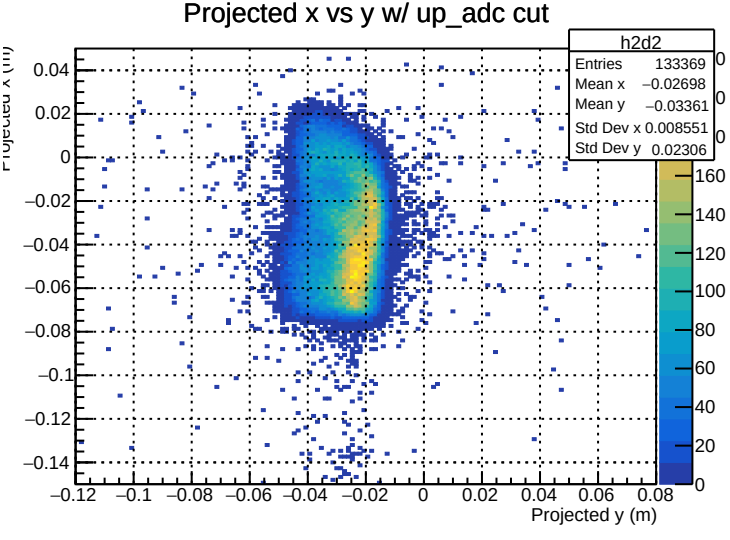

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 159209
Mean 0.006201
Std Dev 0.001327
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

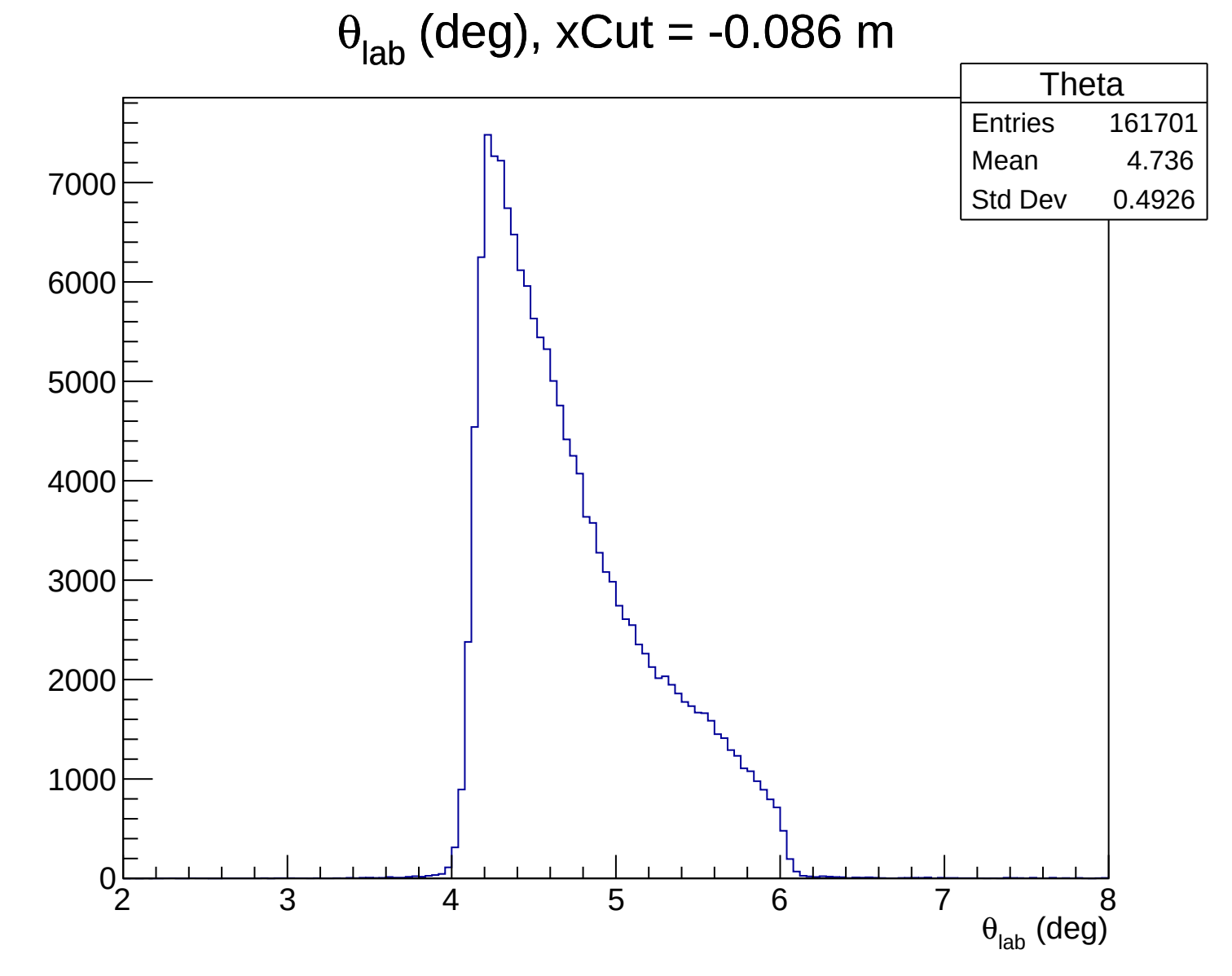

Sensitivity, xCut = -0.084 m
sens
Entries 159209
Mean 0.02175
Std Dev 0.004227
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

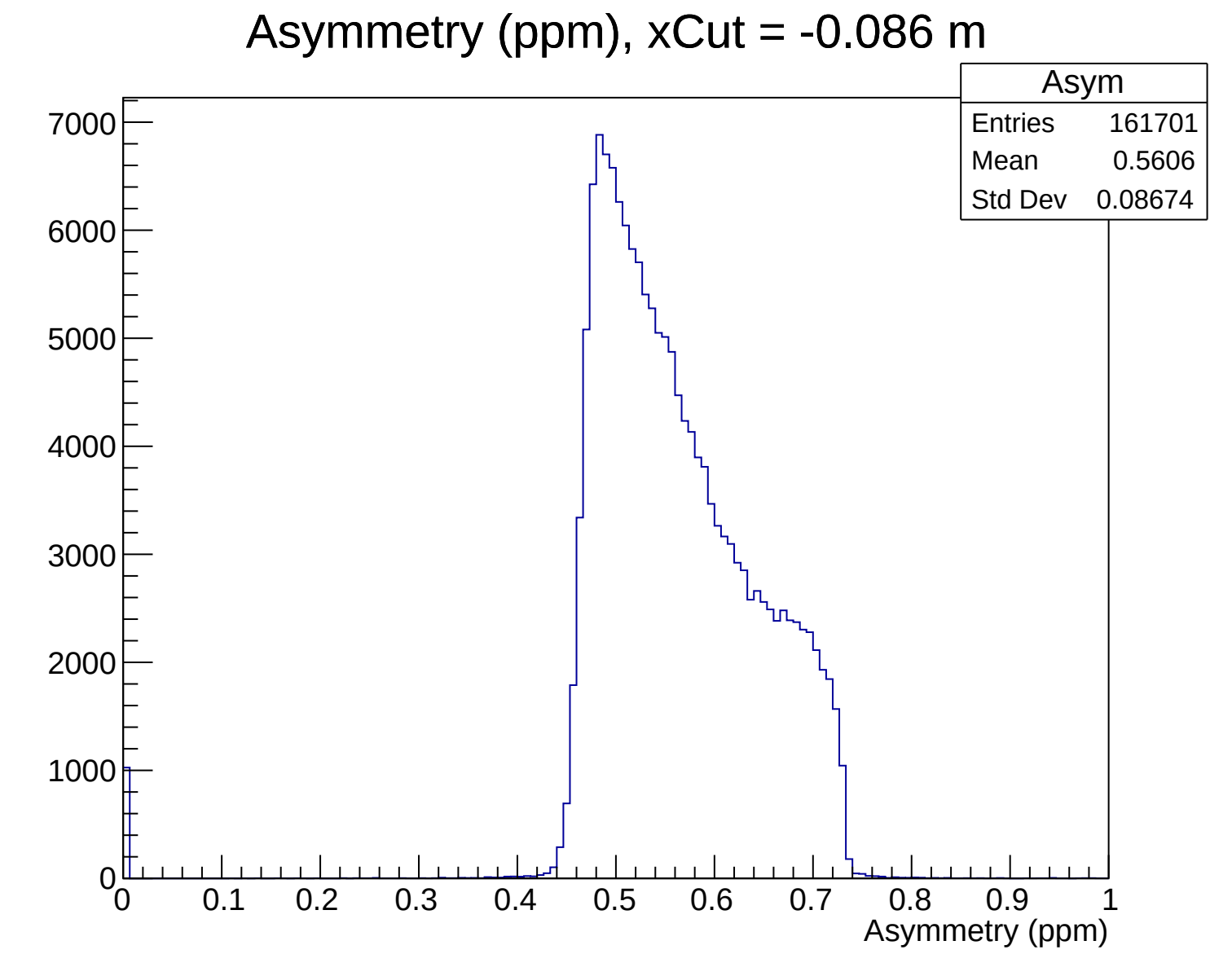

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

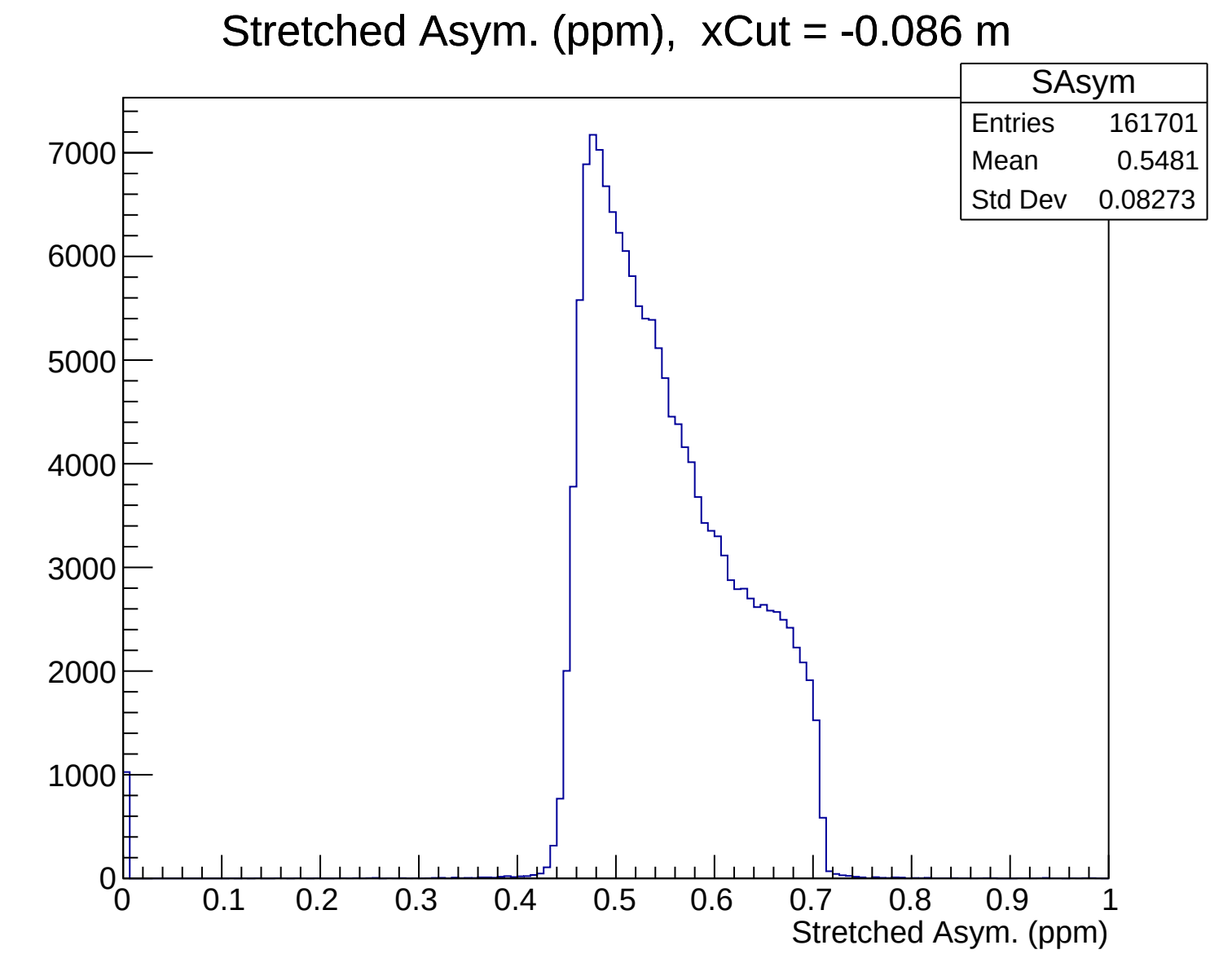

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

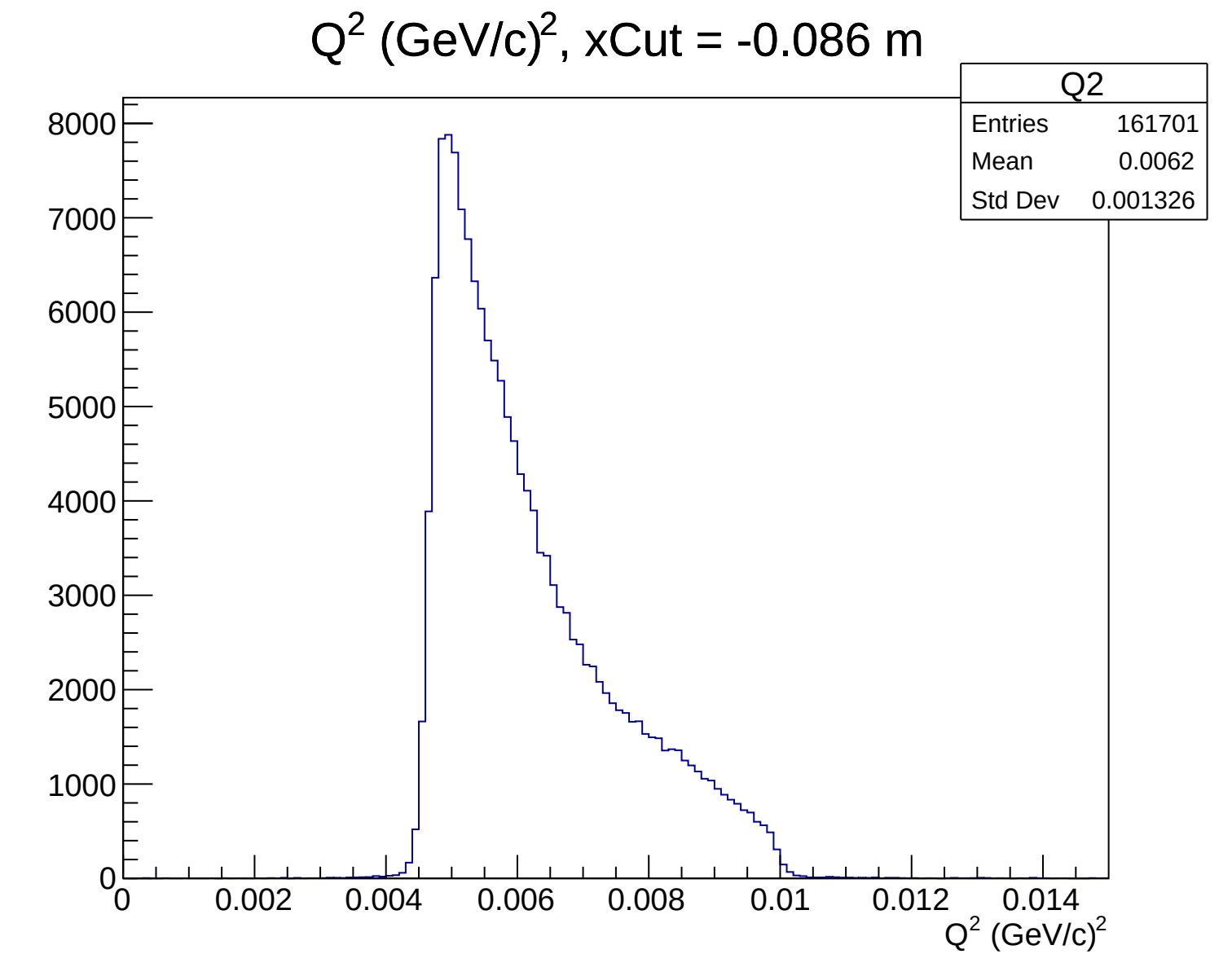

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.086
L.tr.x[0]+1.3*L.tr.th[0] (m)

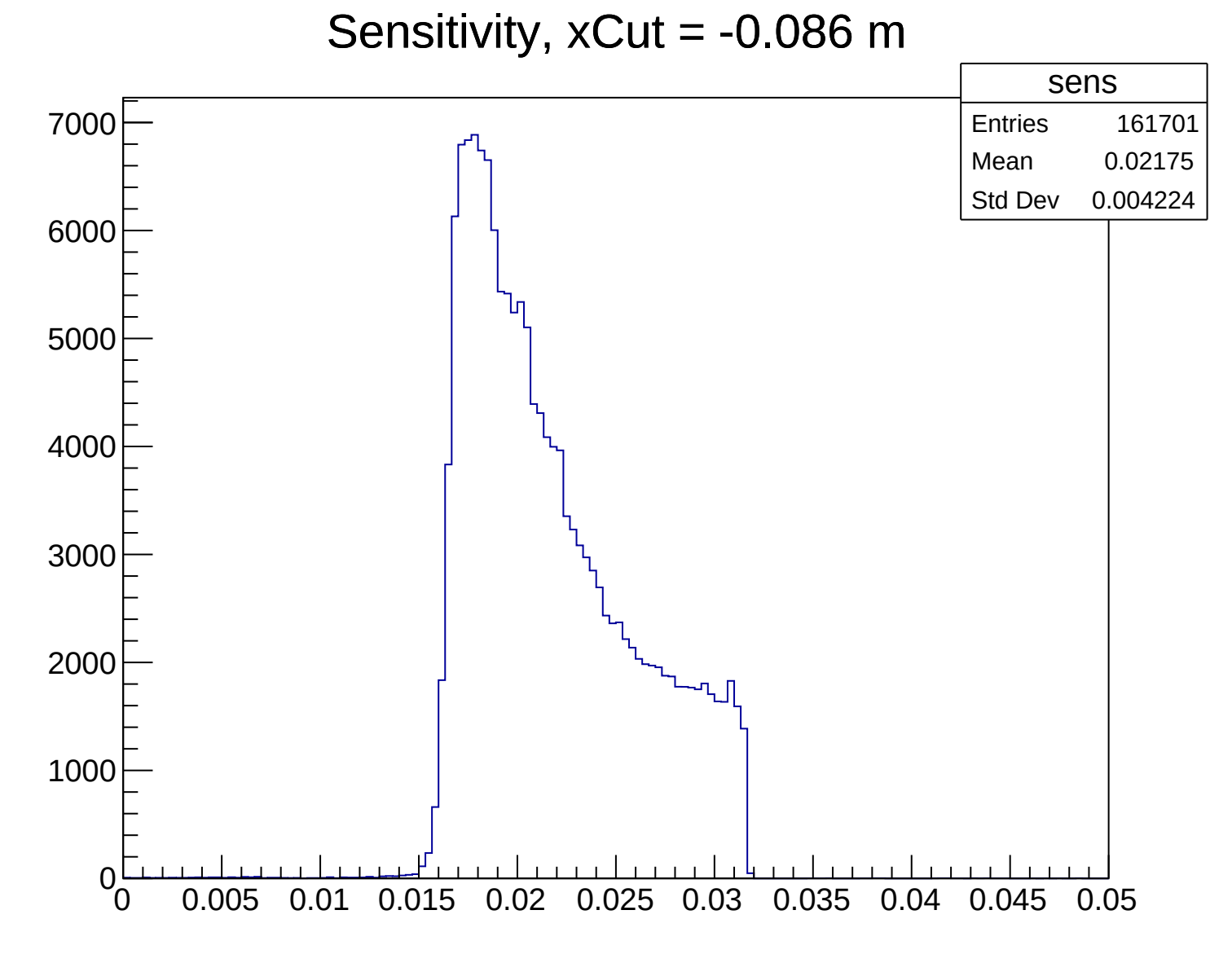

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

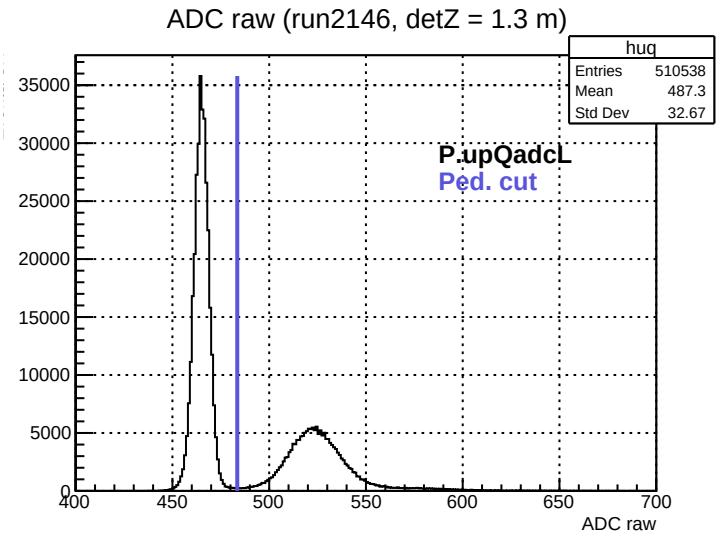

θlab (deg), xCut = -0.086 m
Theta
Entries 161701
Mean 4.736
Std Dev 0.4926
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

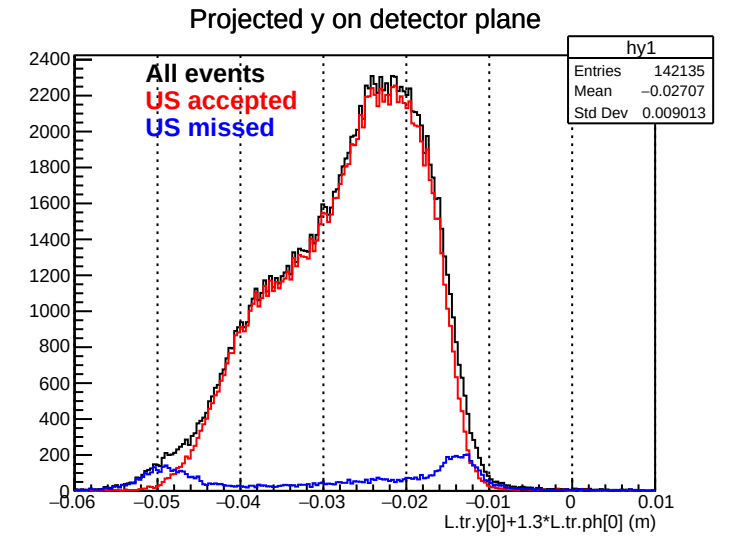

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 161701
Mean 0.5606
Std Dev 0.08674
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

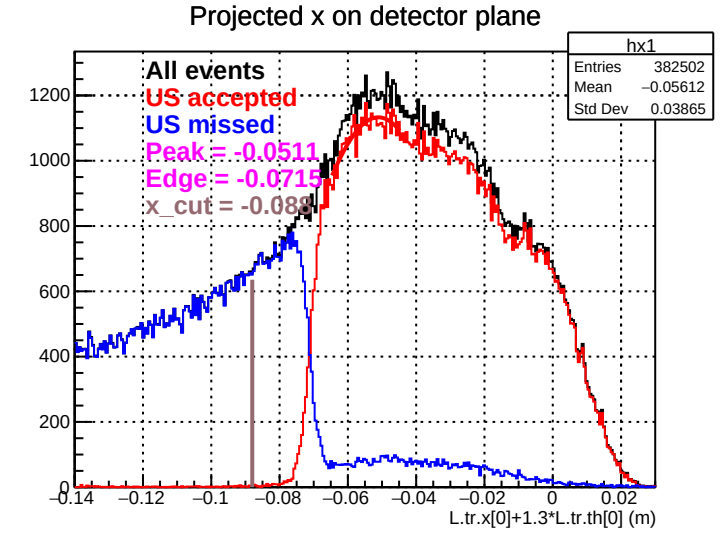

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 161701
Mean 0.5481
Std Dev 0.08273
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

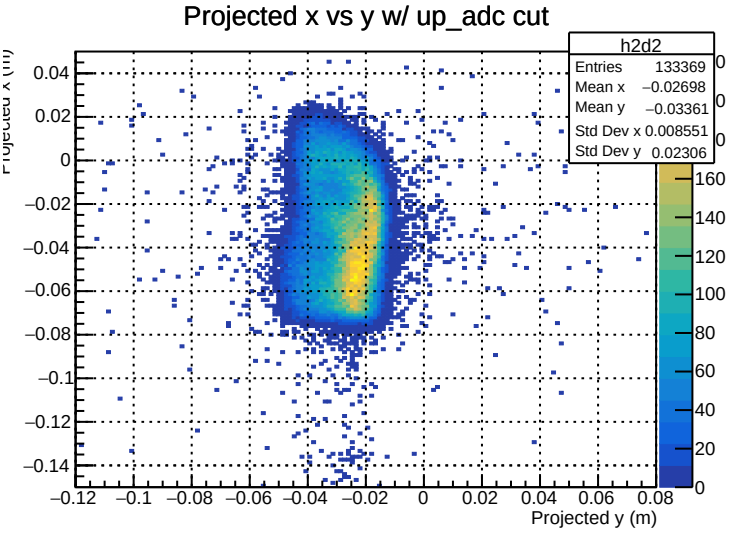

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 161701
Mean 0.0062
Std Dev 0.001326
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

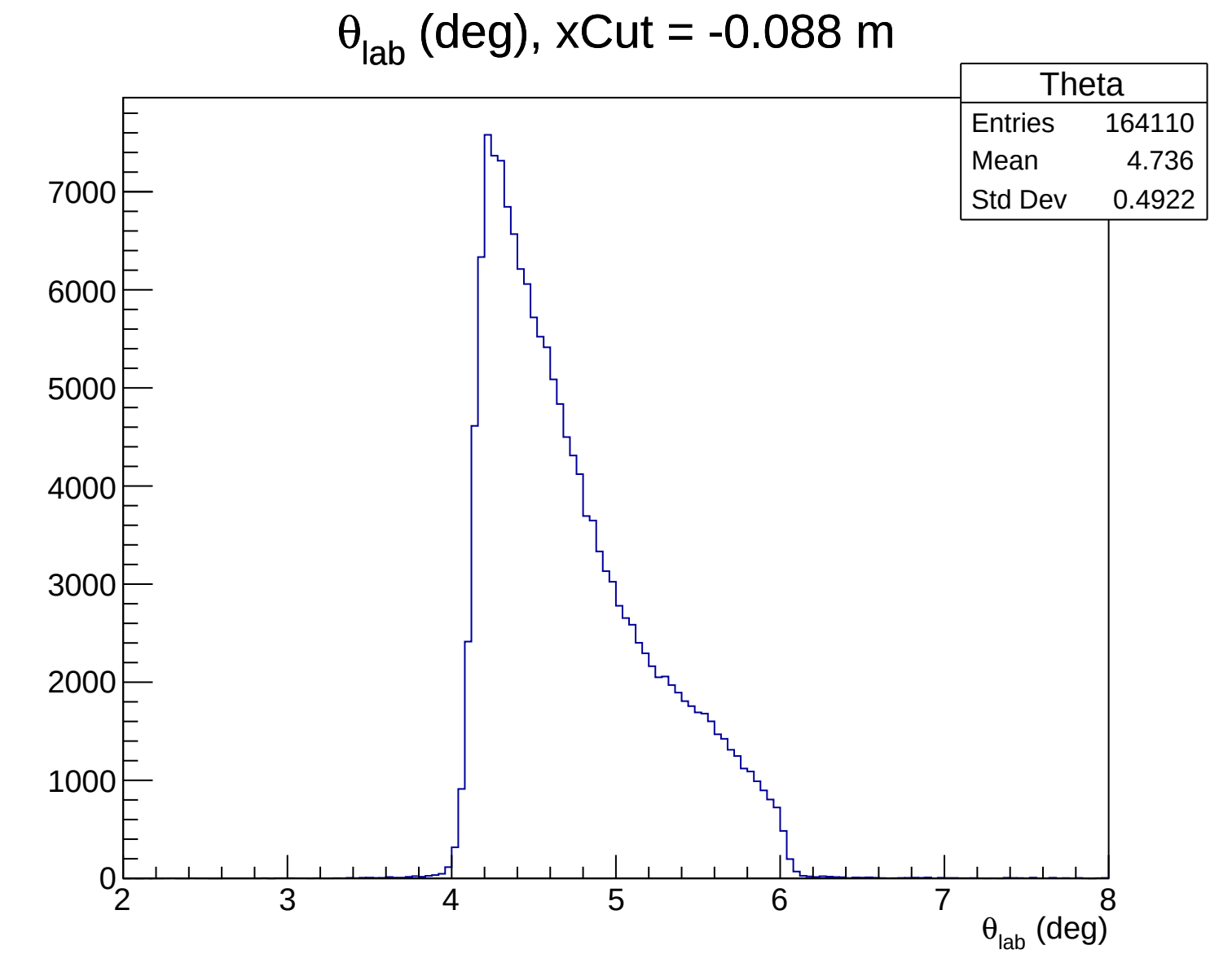

Sensitivity, xCut = -0.086 m
sens
Entries 161701
Mean 0.02175
Std Dev 0.004224
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

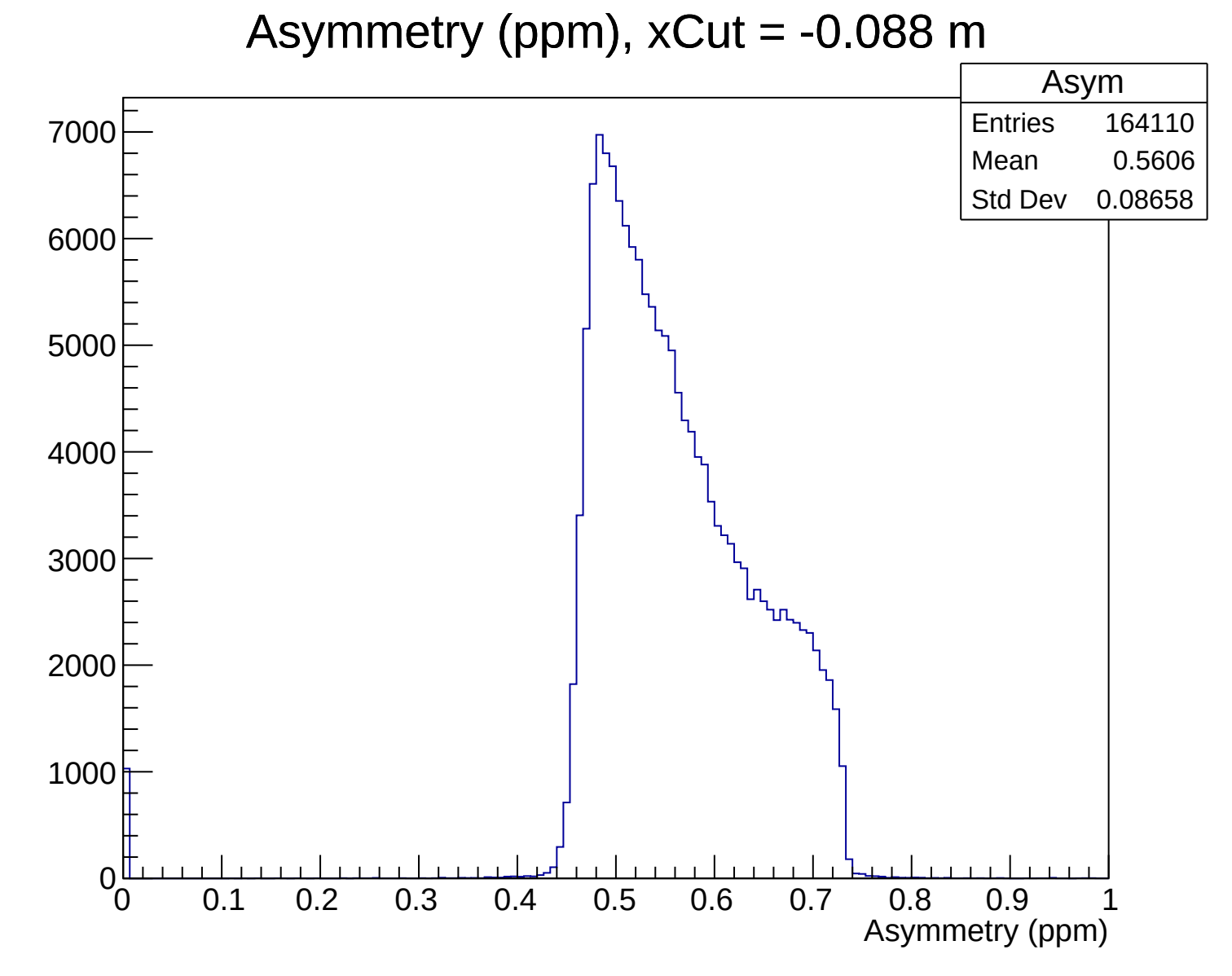

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

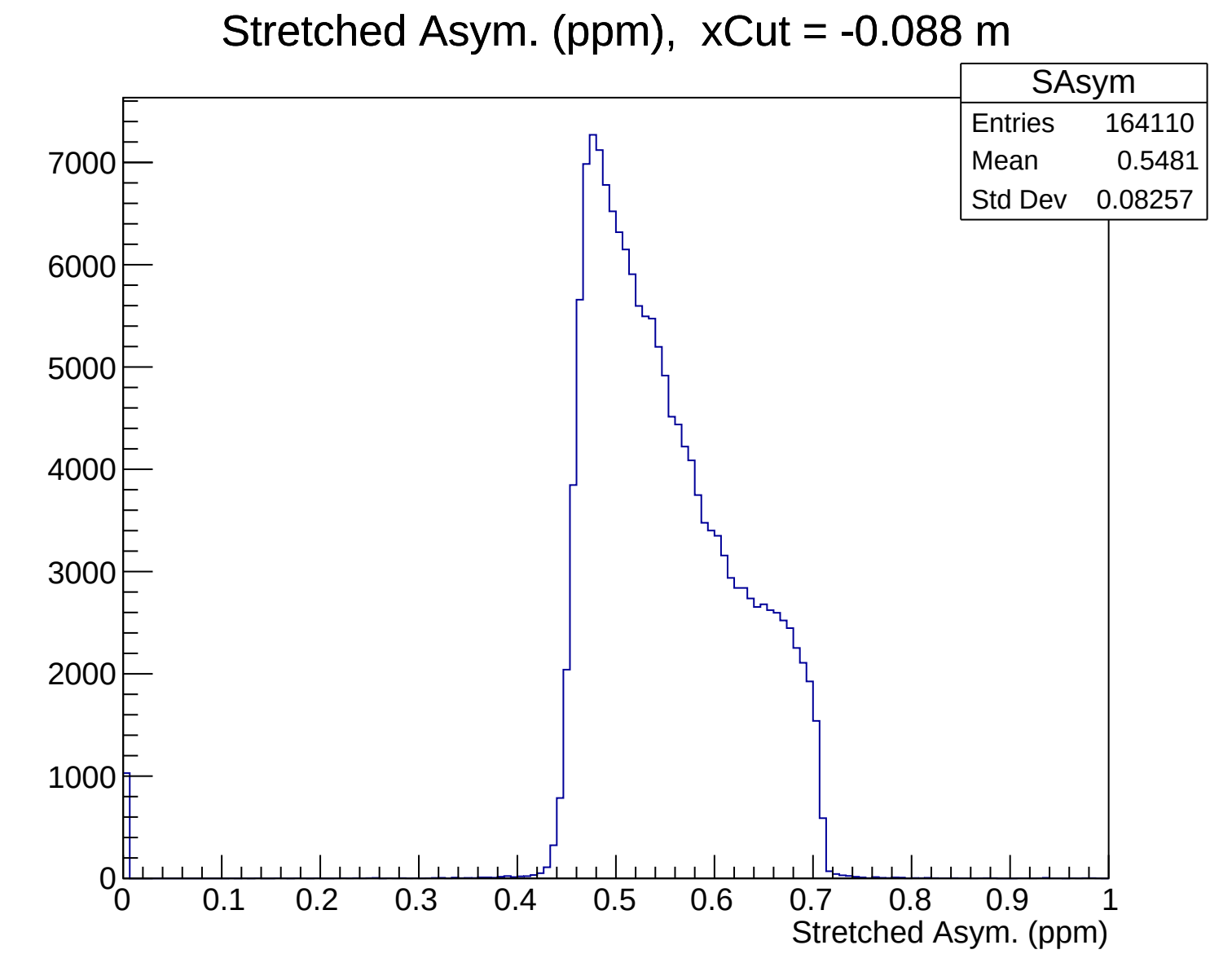

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

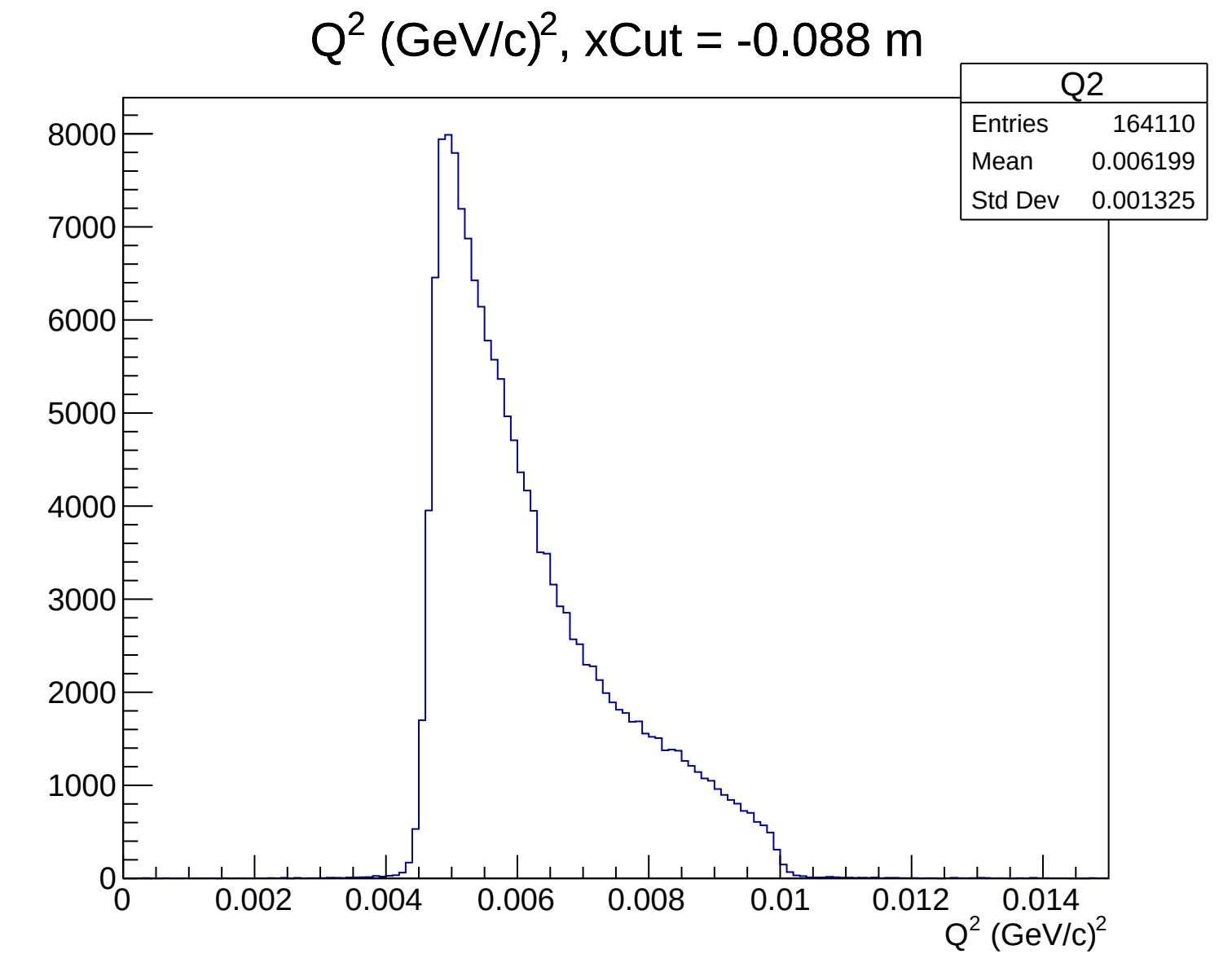

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

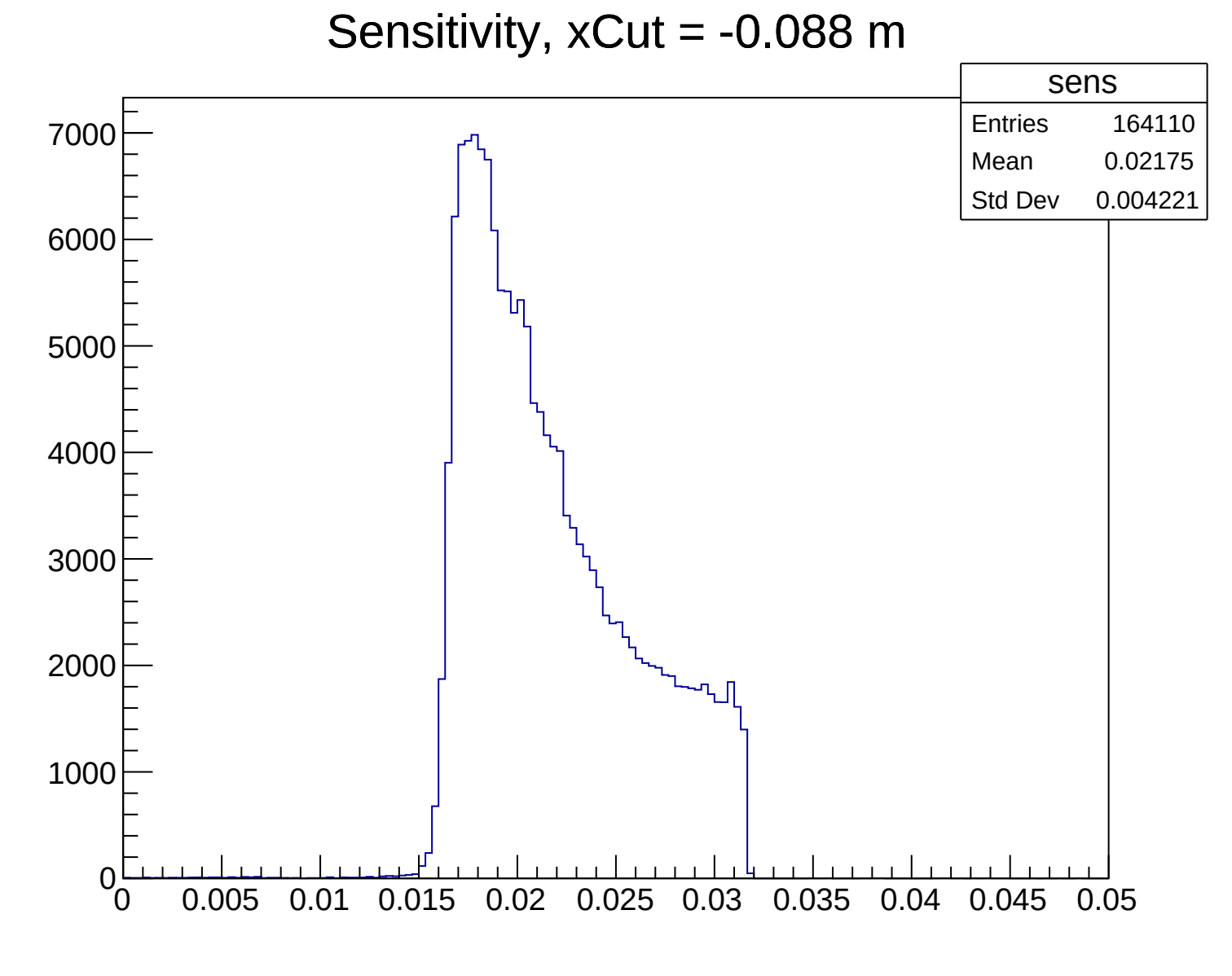

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

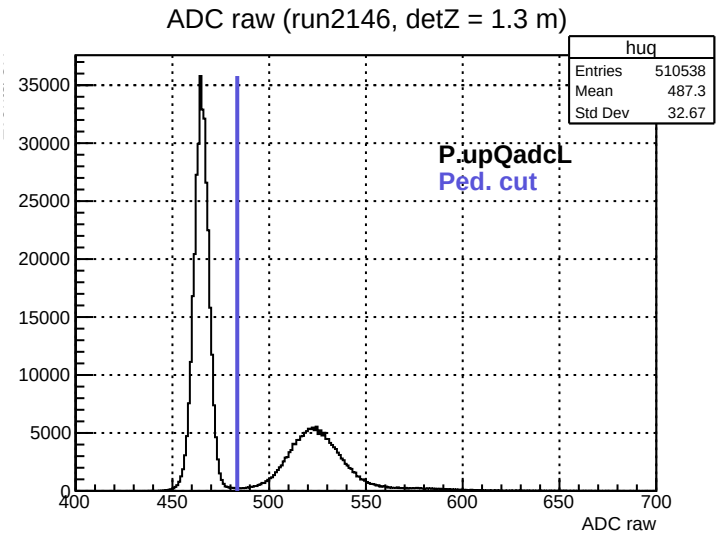

θlab (deg), xCut = -0.088 m
Theta
Entries 164110
Mean 4.736
Std Dev 0.4922
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

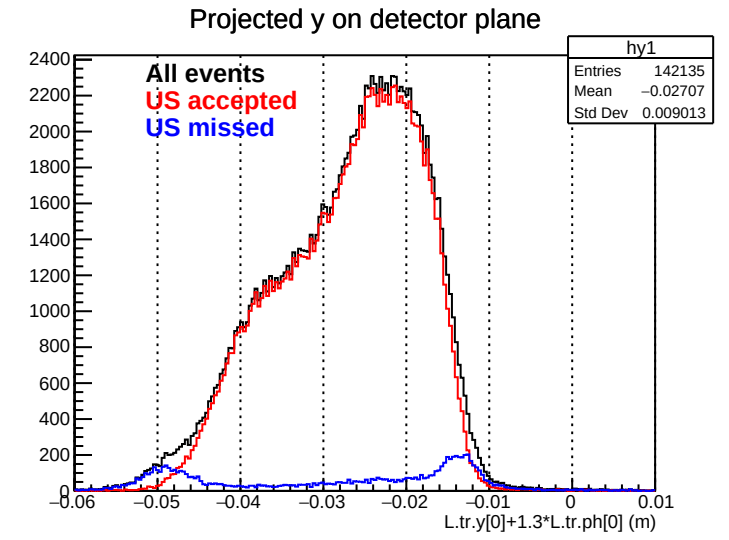

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 164110
Mean 0.5606
Std Dev 0.08658
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

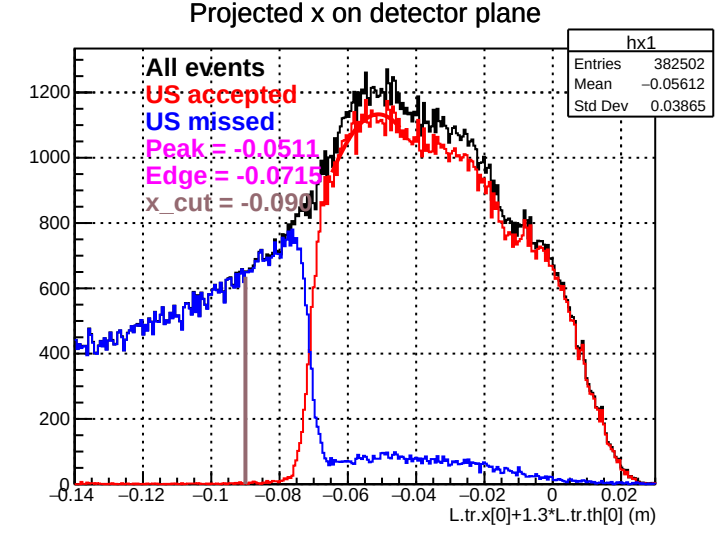

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 164110
Mean 0.5481
Std Dev 0.08257
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

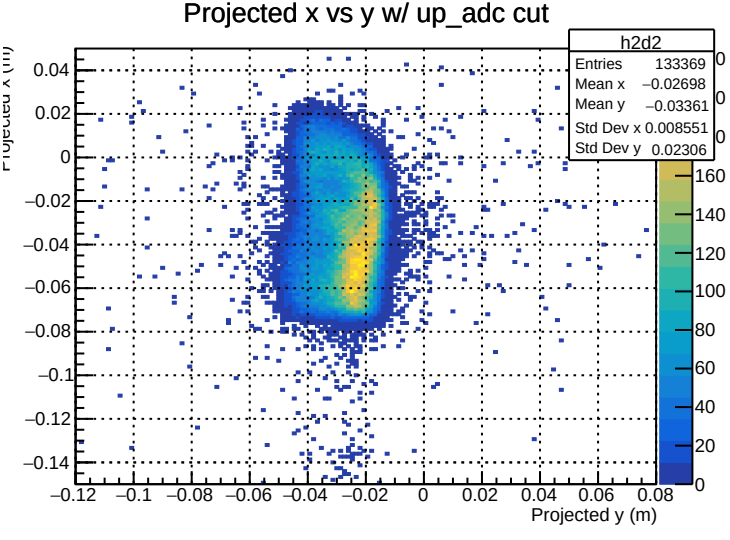

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 164110
Mean 0.006199
Std Dev 0.001325
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

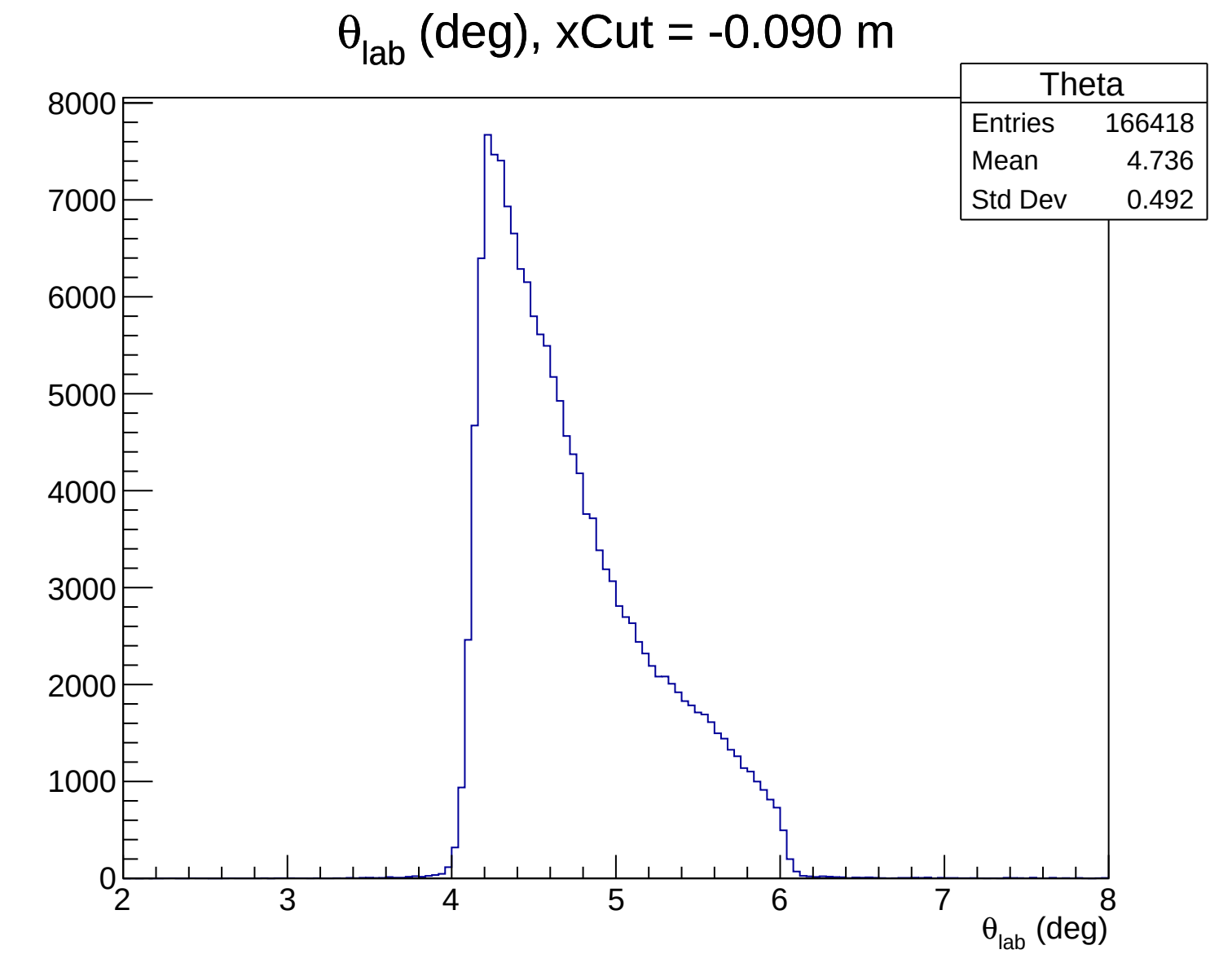

Sensitivity, xCut = -0.088 m
sens
Entries 164110
Mean 0.02175
Std Dev 0.004221
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

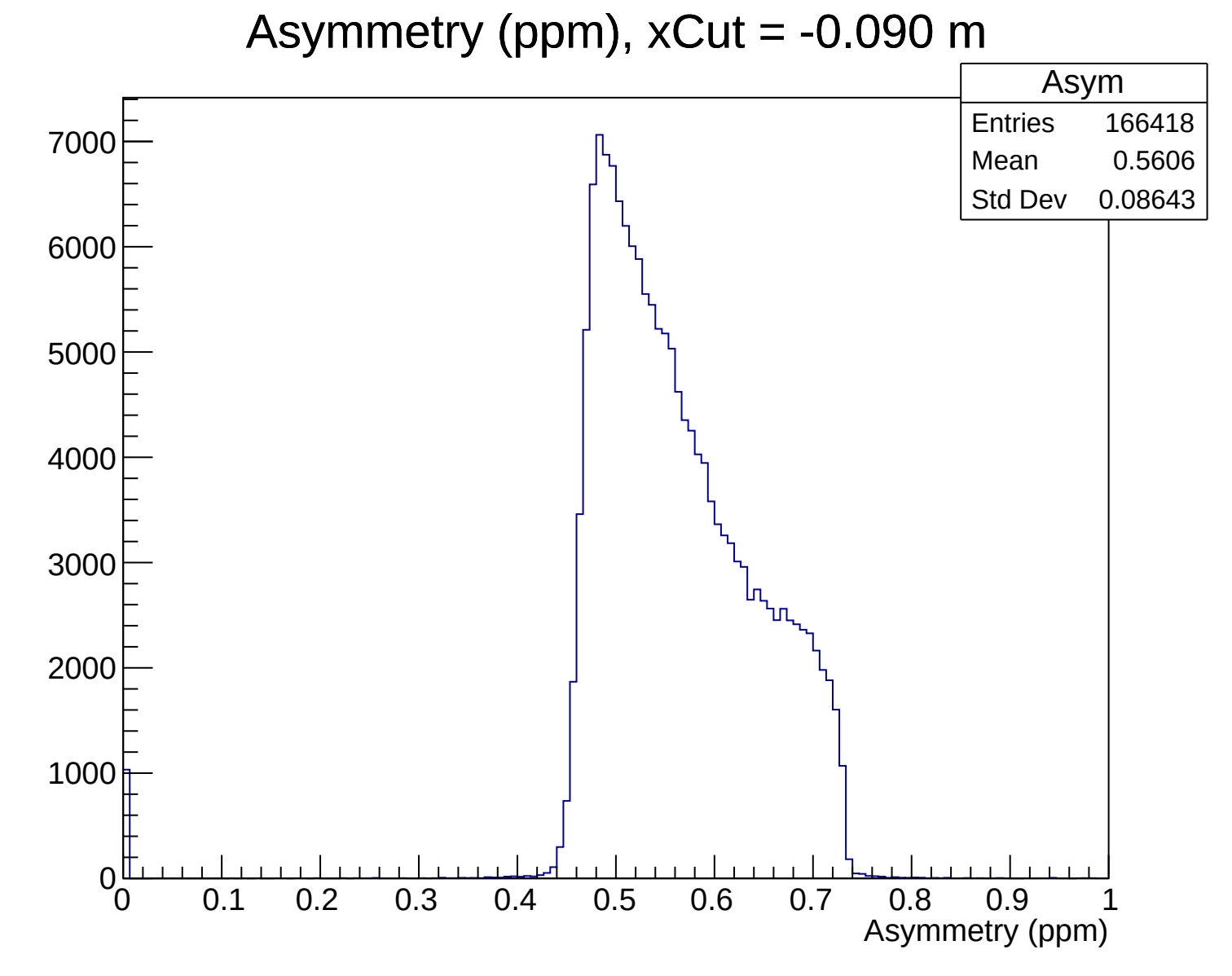

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

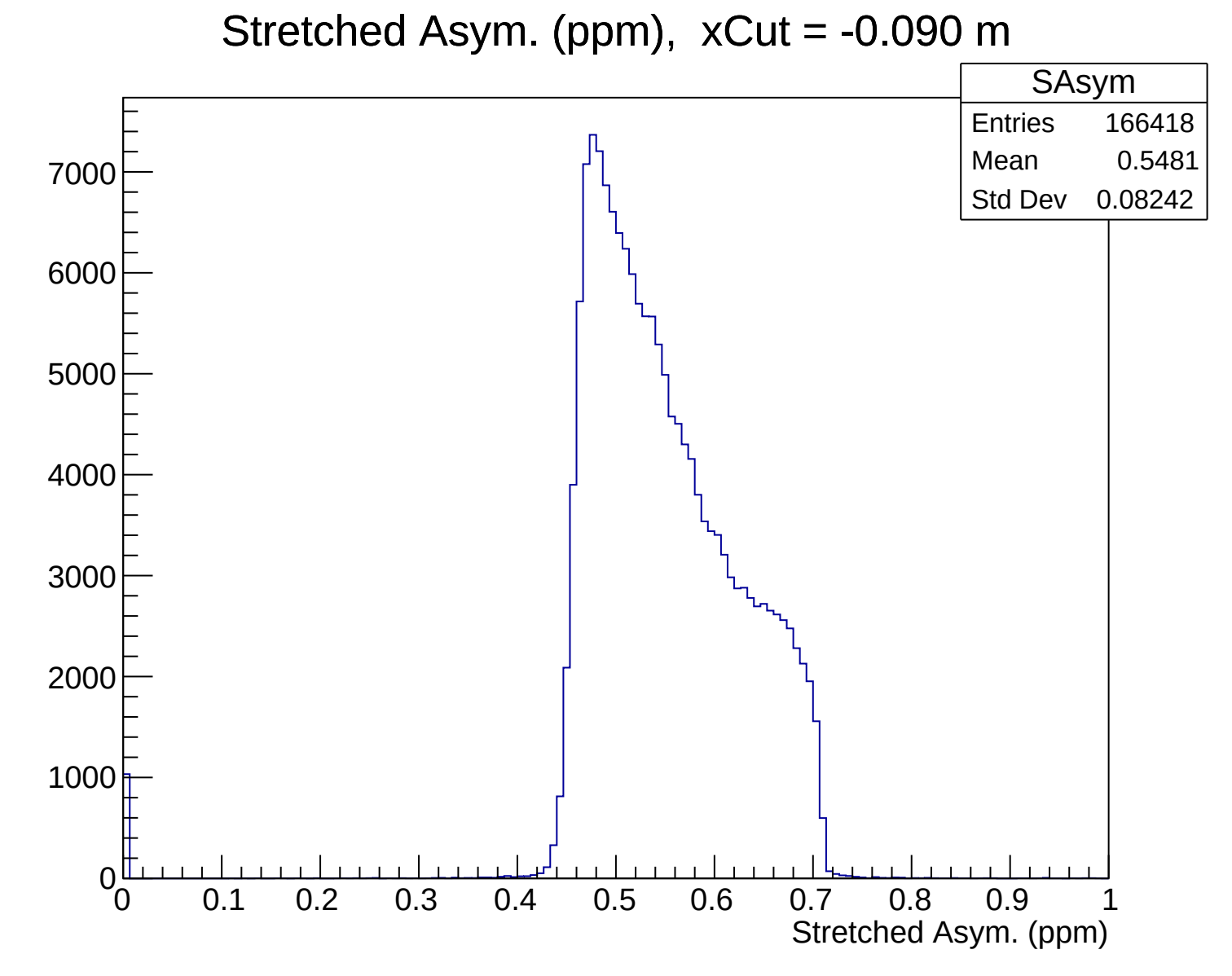

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

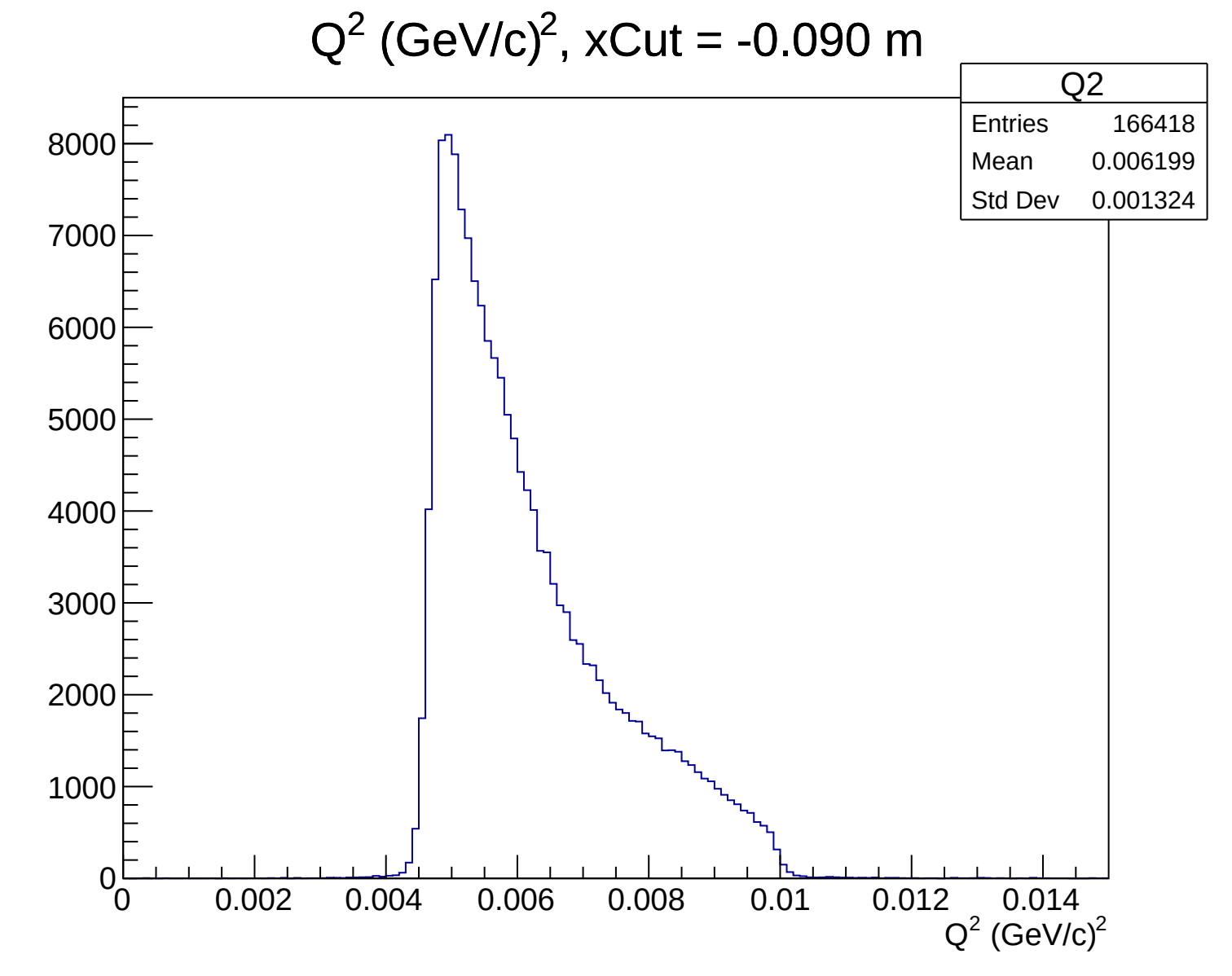

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

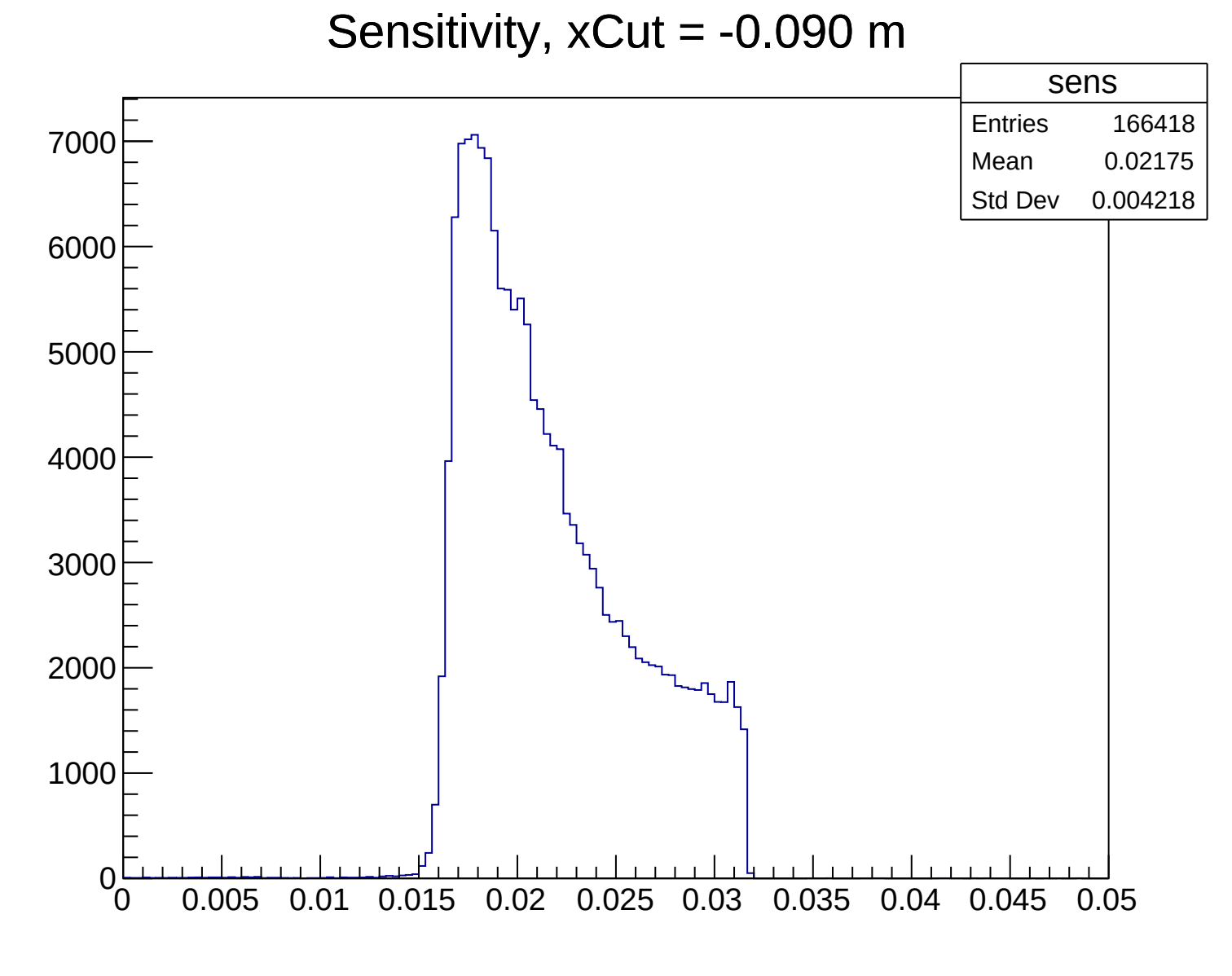

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

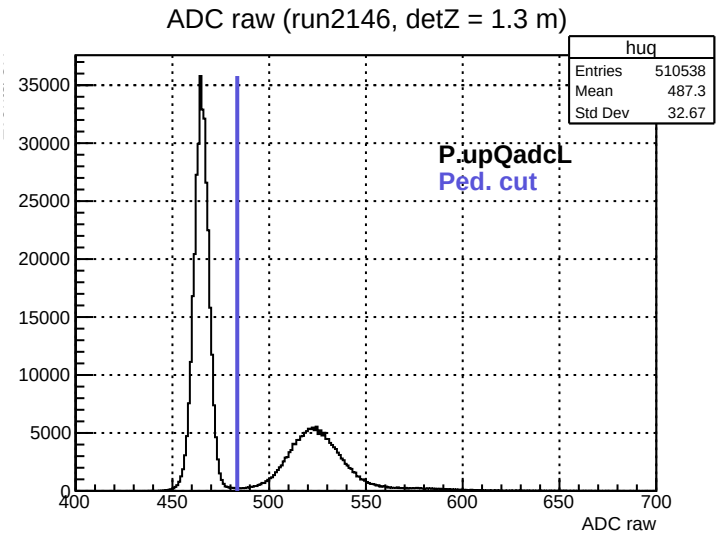

θlab (deg), xCut = -0.090 m
Theta
Entries 166418
Mean 4.736
Std Dev 0.492
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

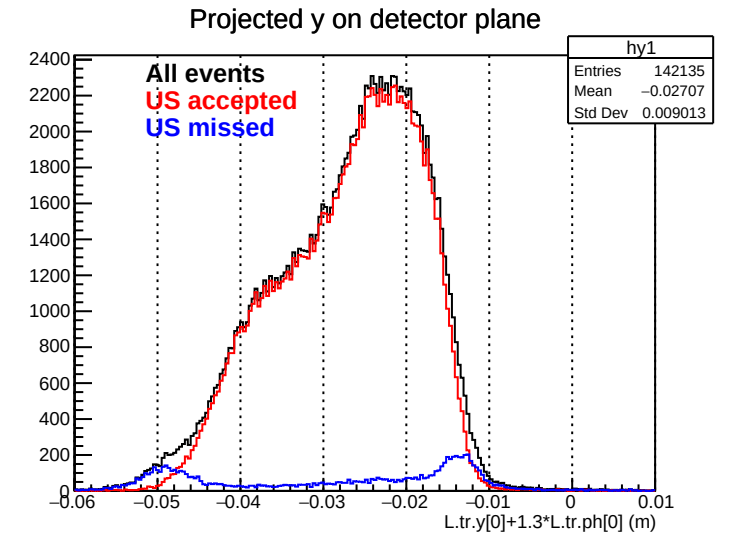

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 166418
Mean 0.5606
Std Dev 0.08643
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

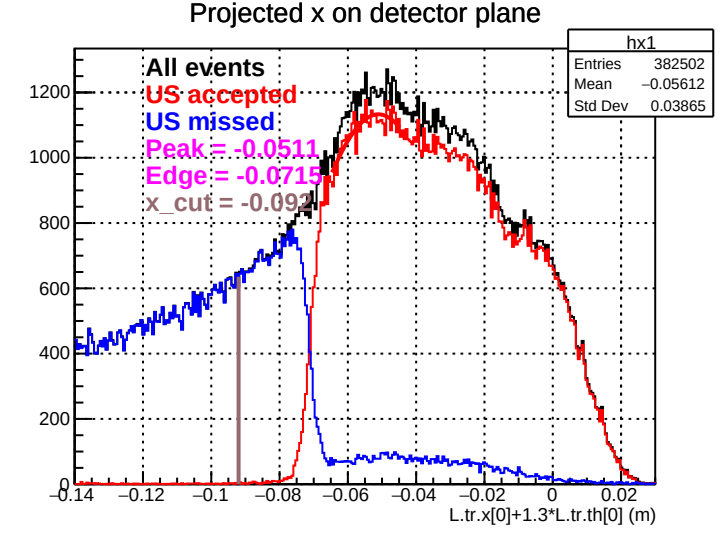

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 166418
Mean 0.5481
Std Dev 0.08242
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

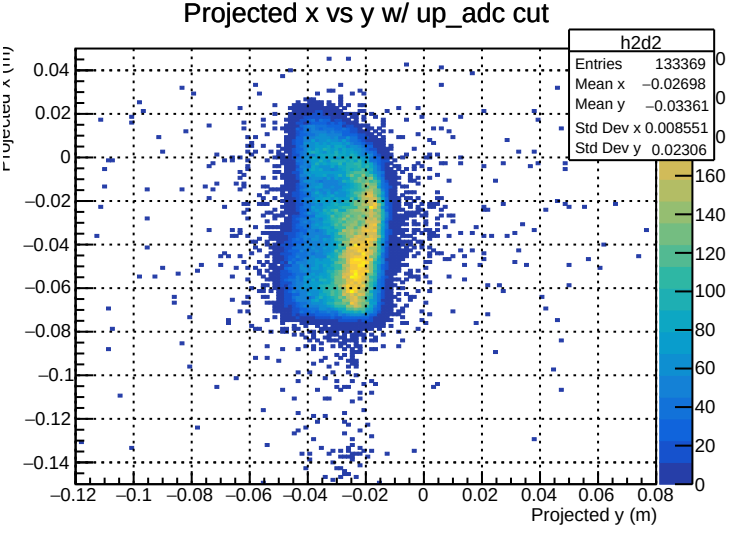

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 166418
Mean 0.006199
Std Dev 0.001324
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

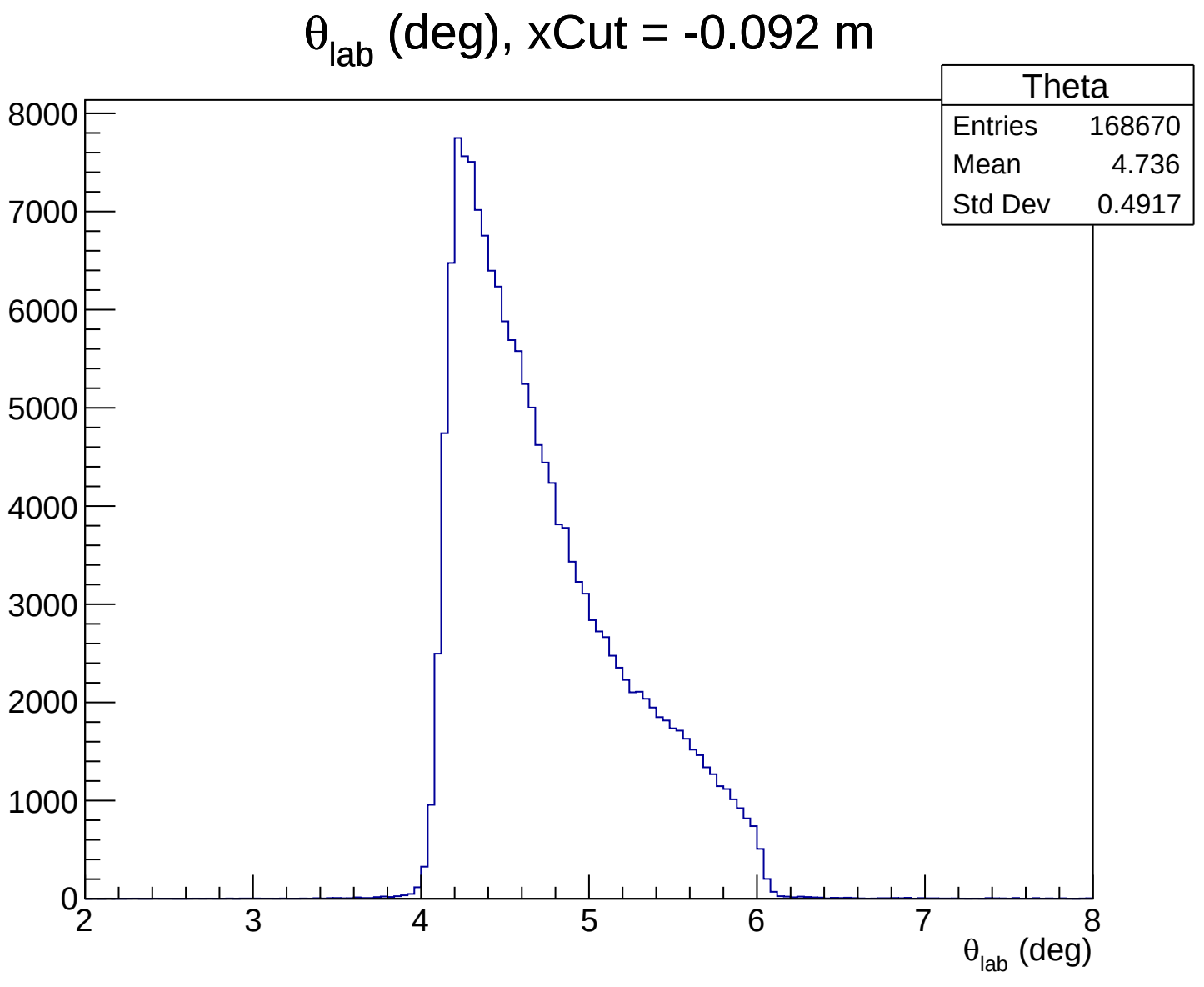

Sensitivity, xCut = -0.090 m
sens
Entries 166418
Mean 0.02175
Std Dev 0.004218
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

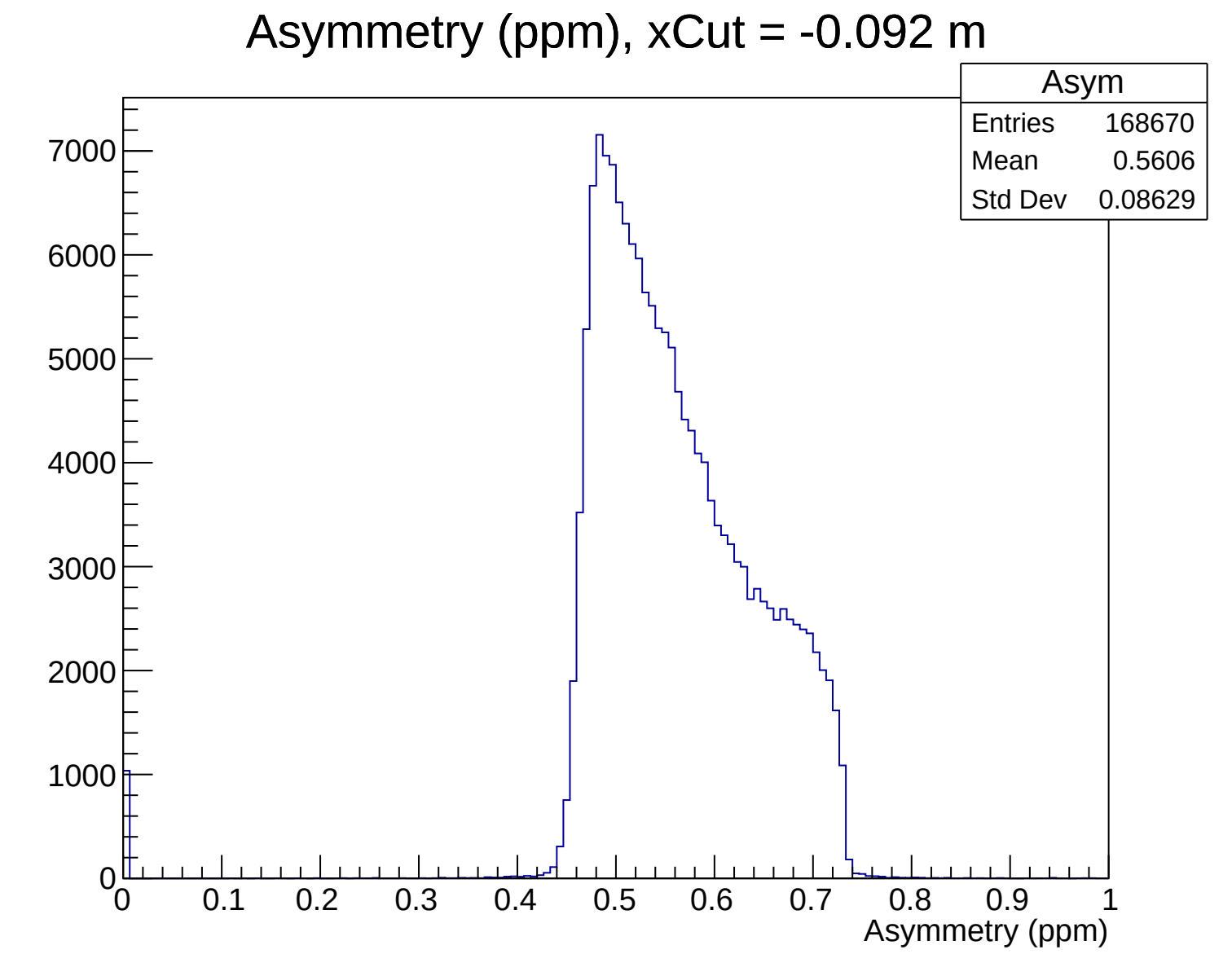

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

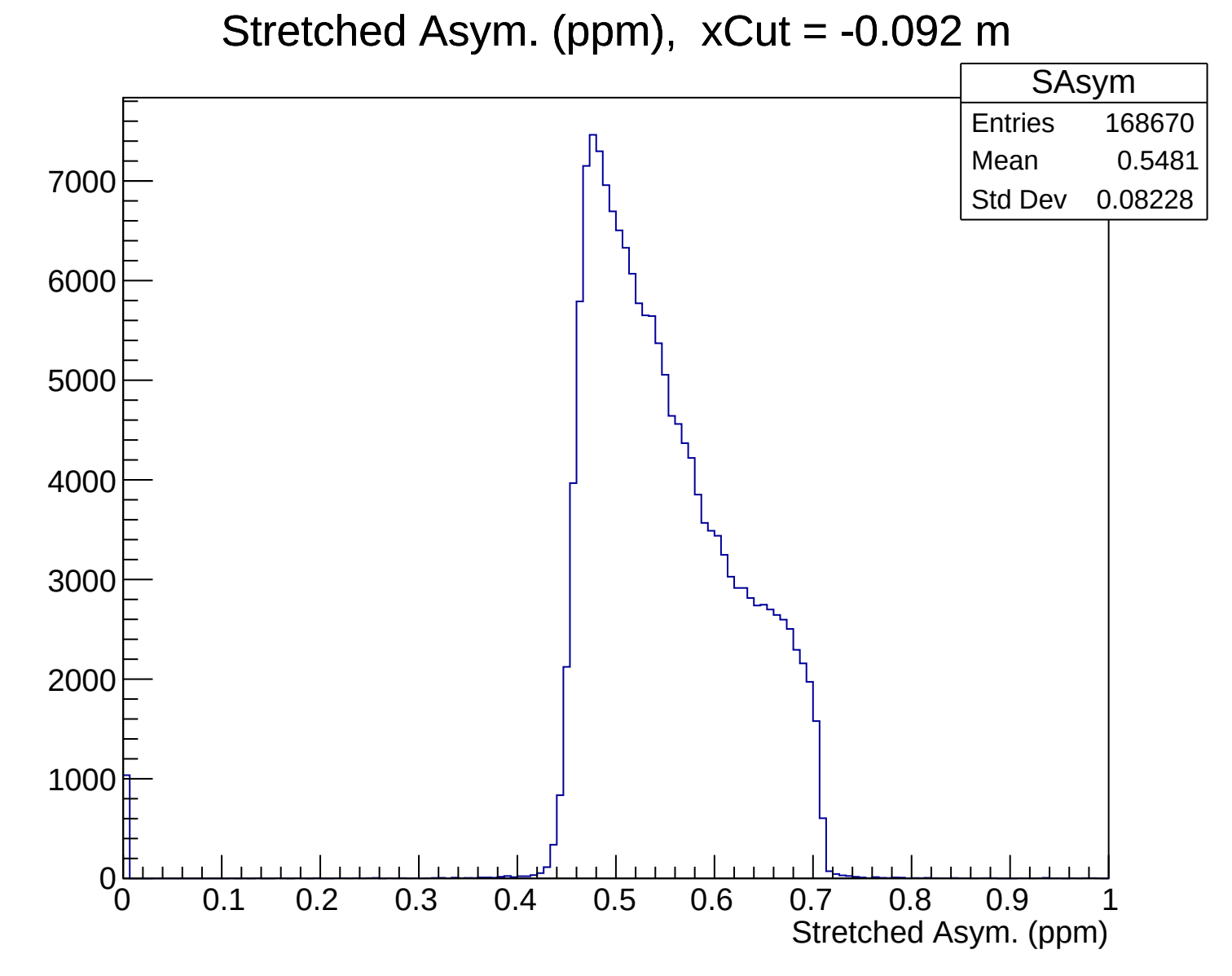

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

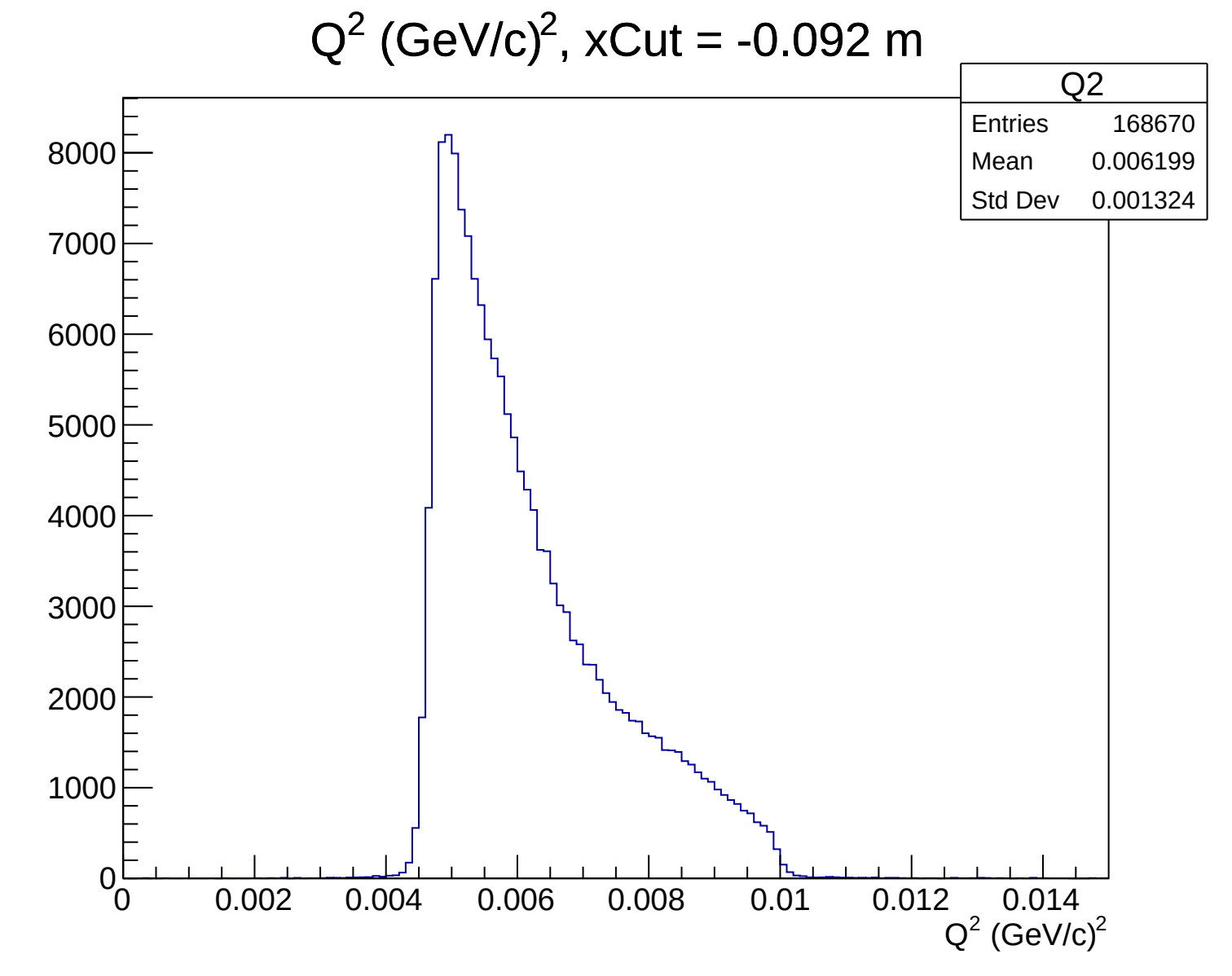

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.093
L.tr.x[0]+1.3*L.tr.th[0] (m)

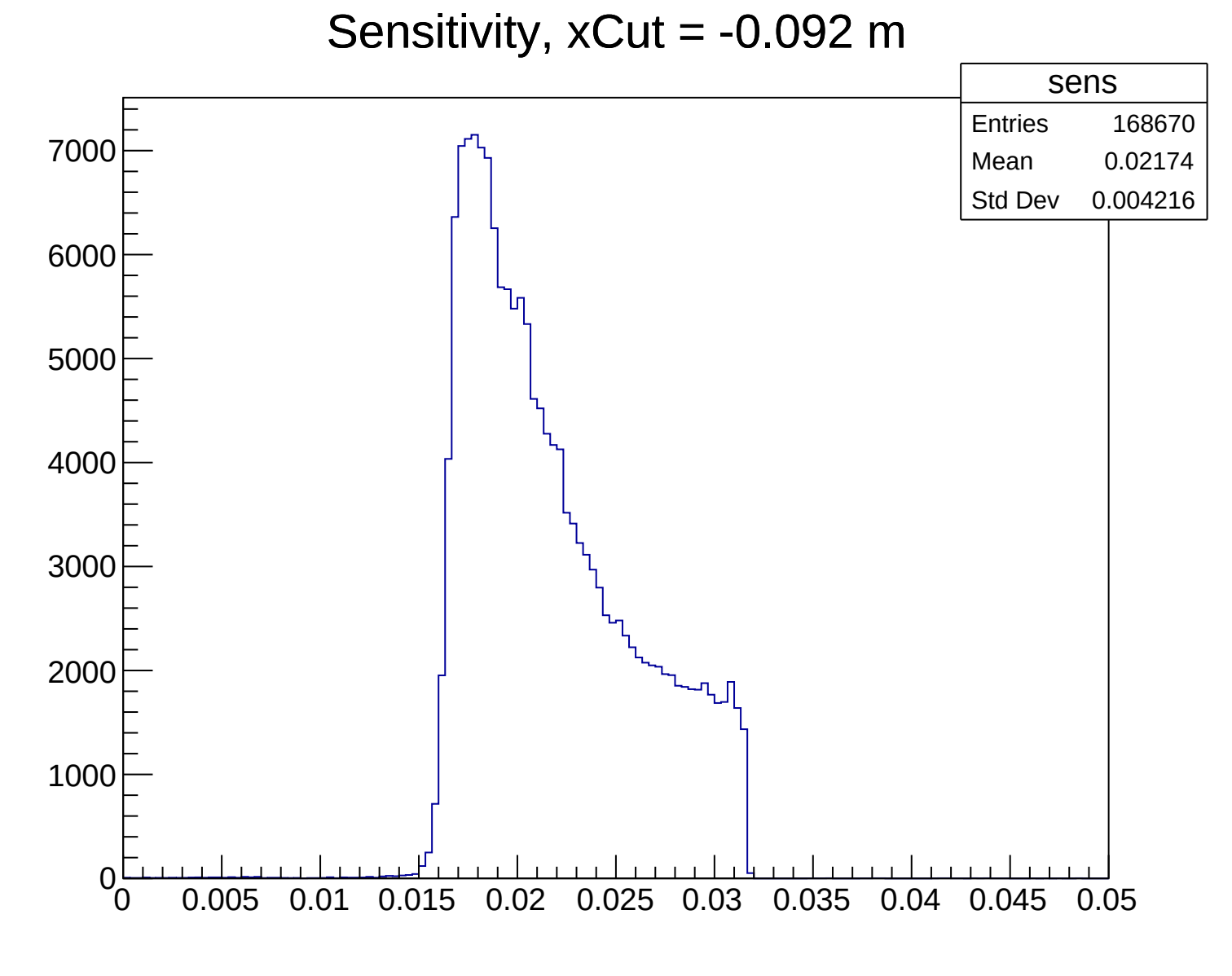

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

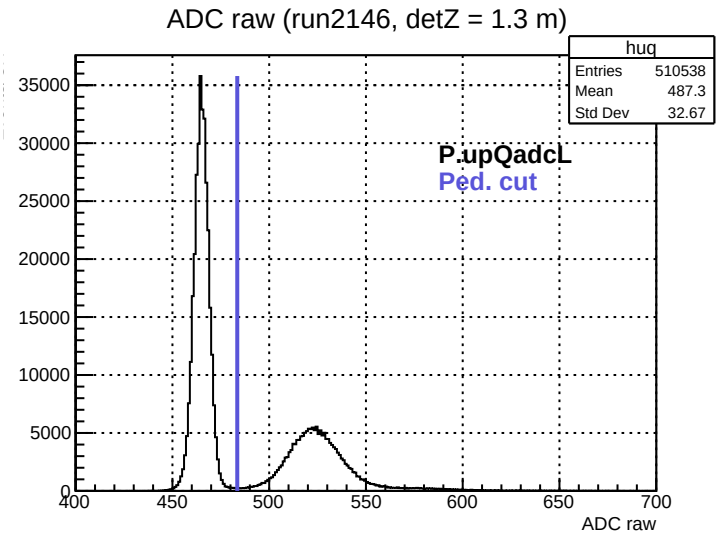

θlab (deg), xCut = -0.092 m
Theta
Entries 168670
Mean 4.736
Std Dev 0.4917
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

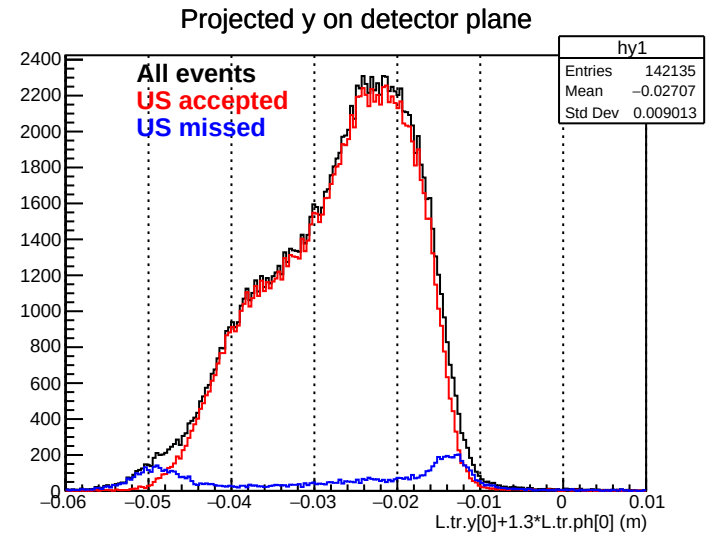

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 168670
Mean 0.5606
Std Dev 0.08629
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

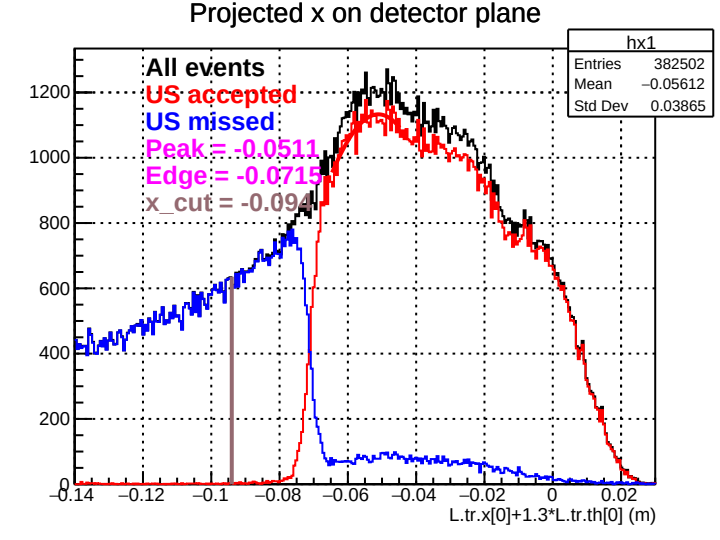

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 168670
Mean 0.5481
Std Dev 0.08228
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

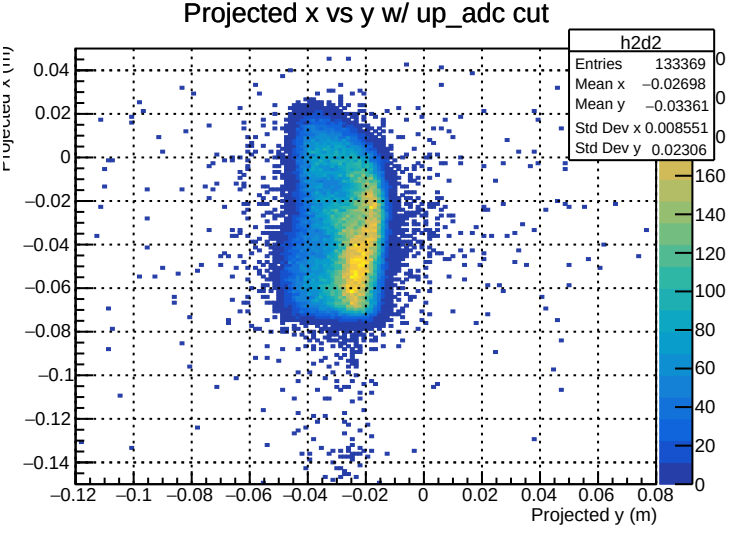

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 168670
Mean 0.006199
Std Dev 0.001324
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

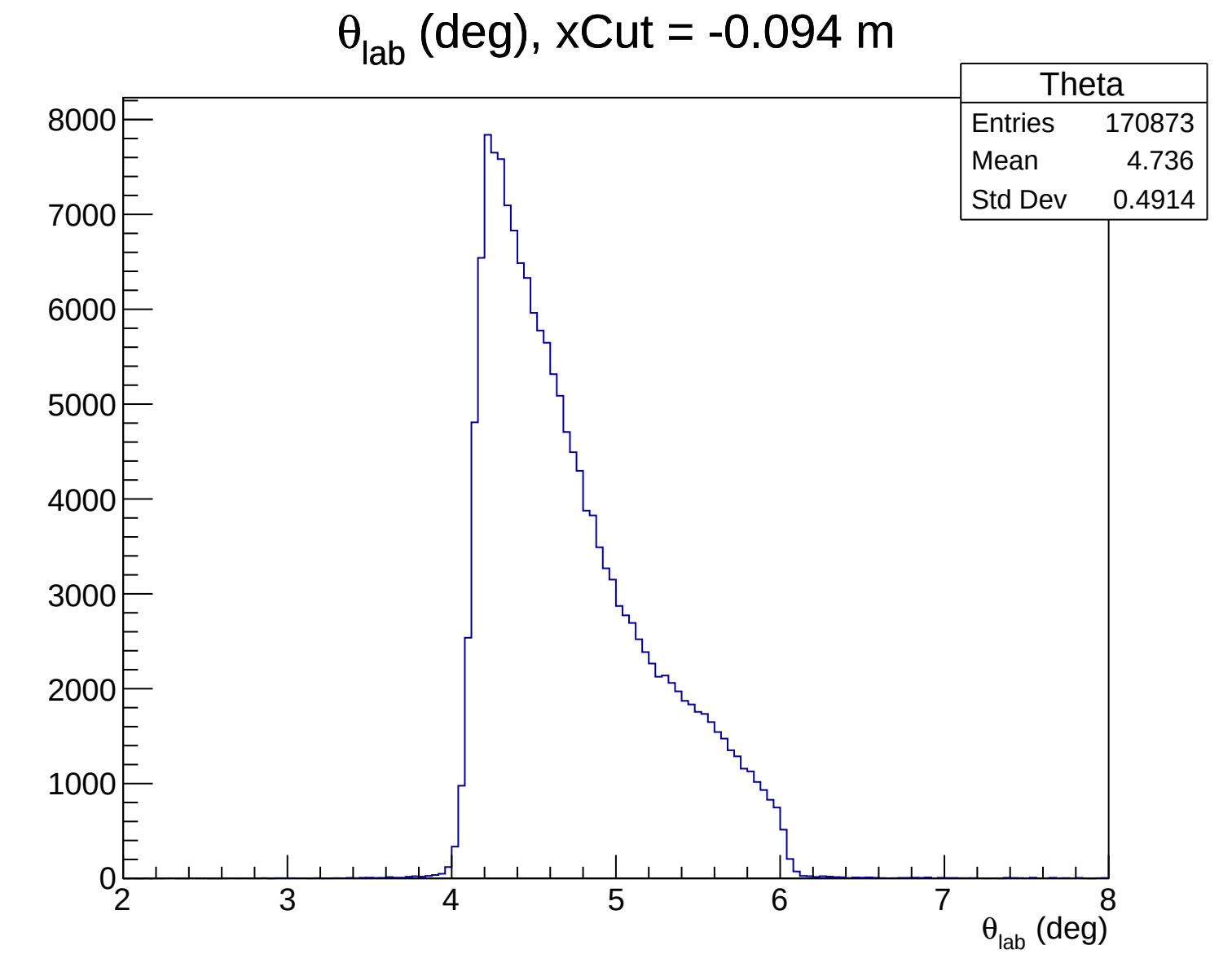

Sensitivity, xCut = -0.092 m
sens
Entries 168670
Mean 0.02174
Std Dev 0.004216
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

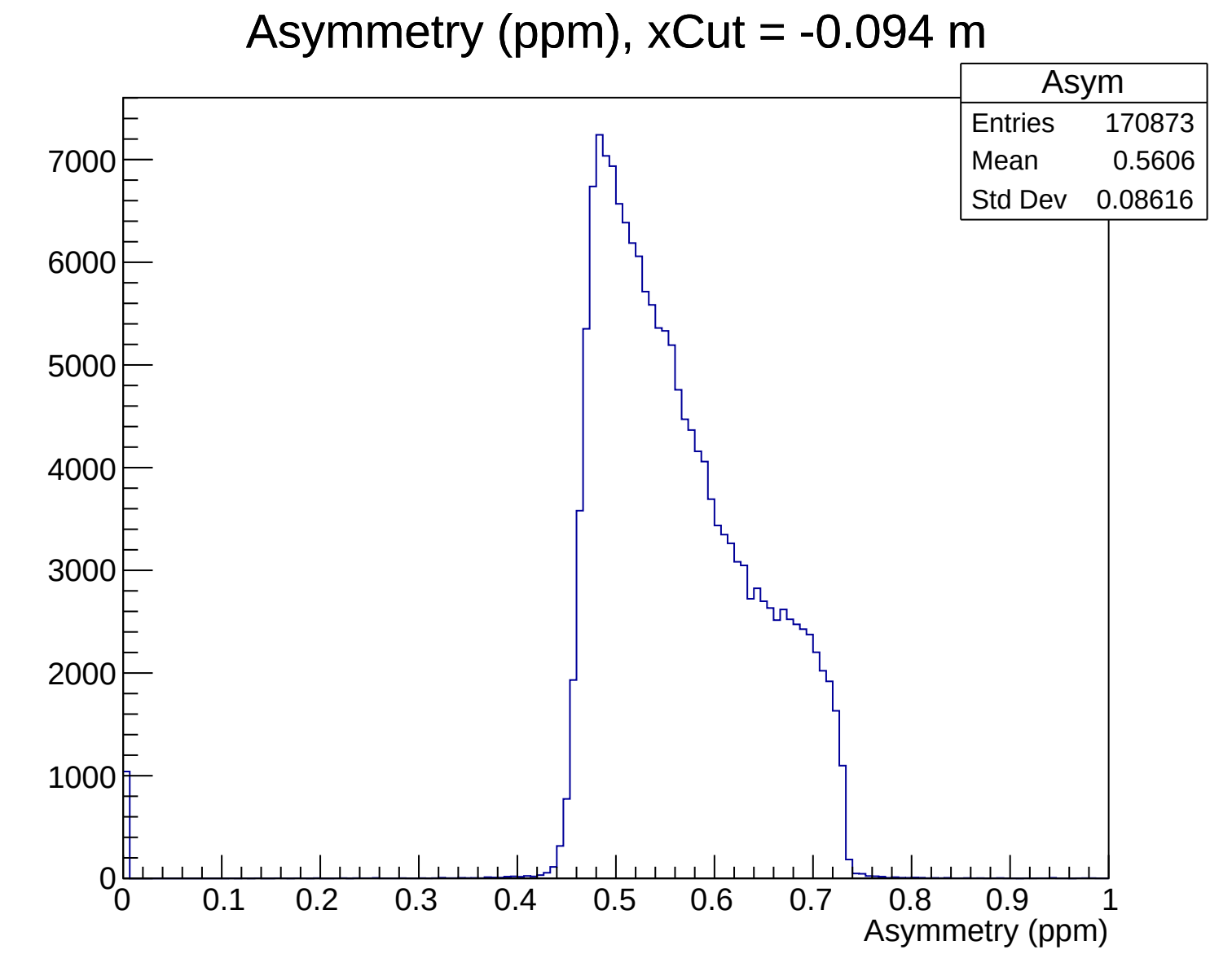

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

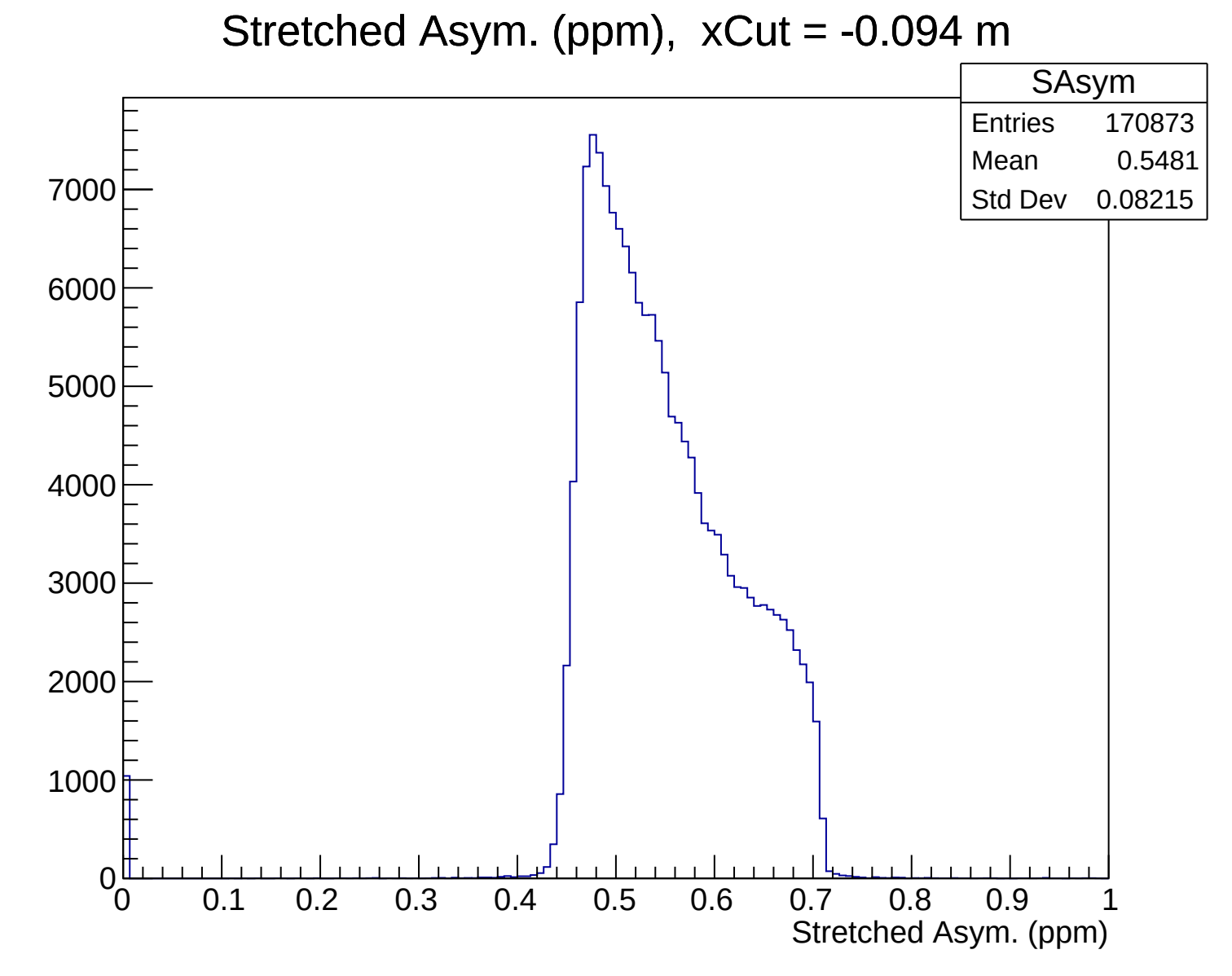

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

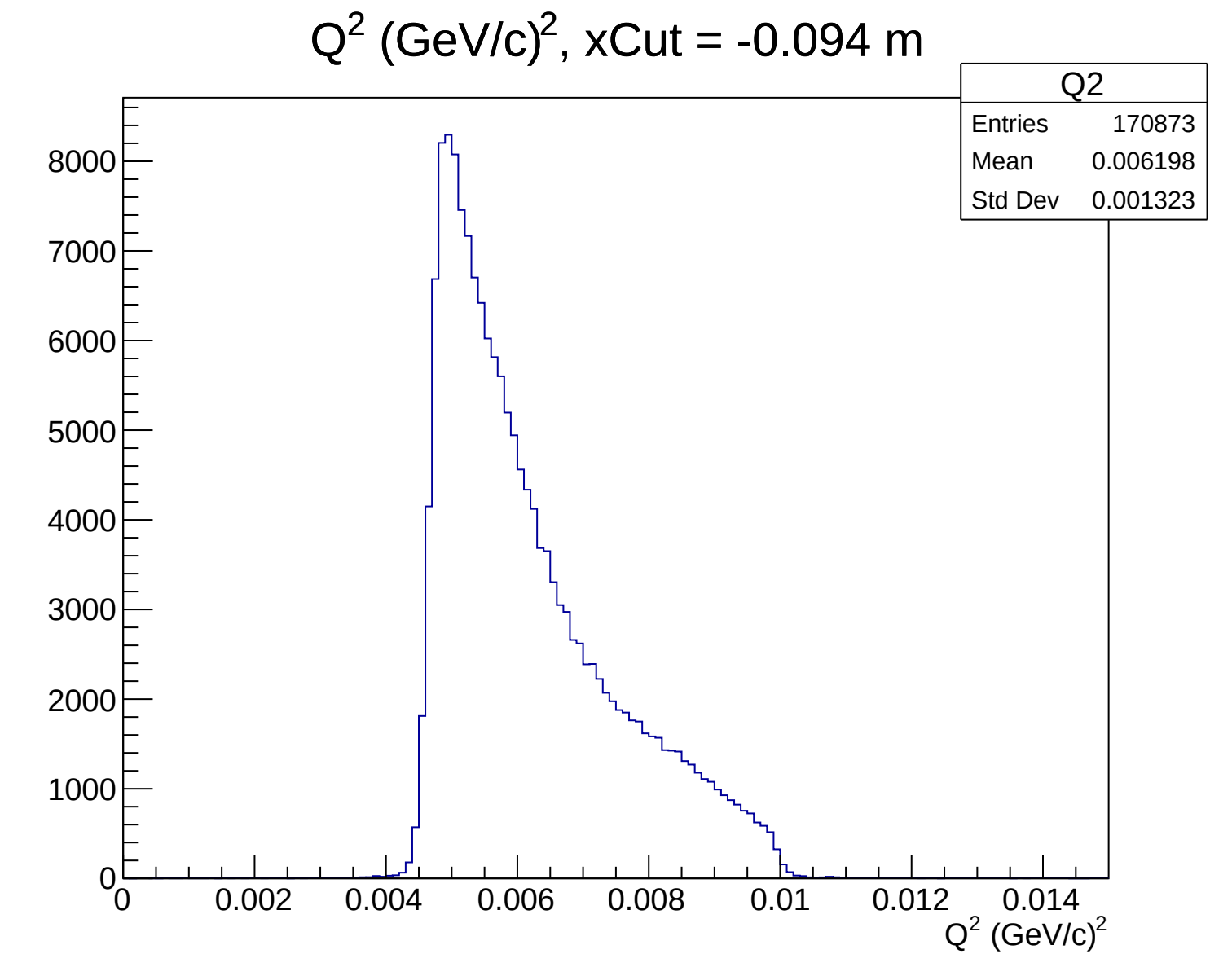

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

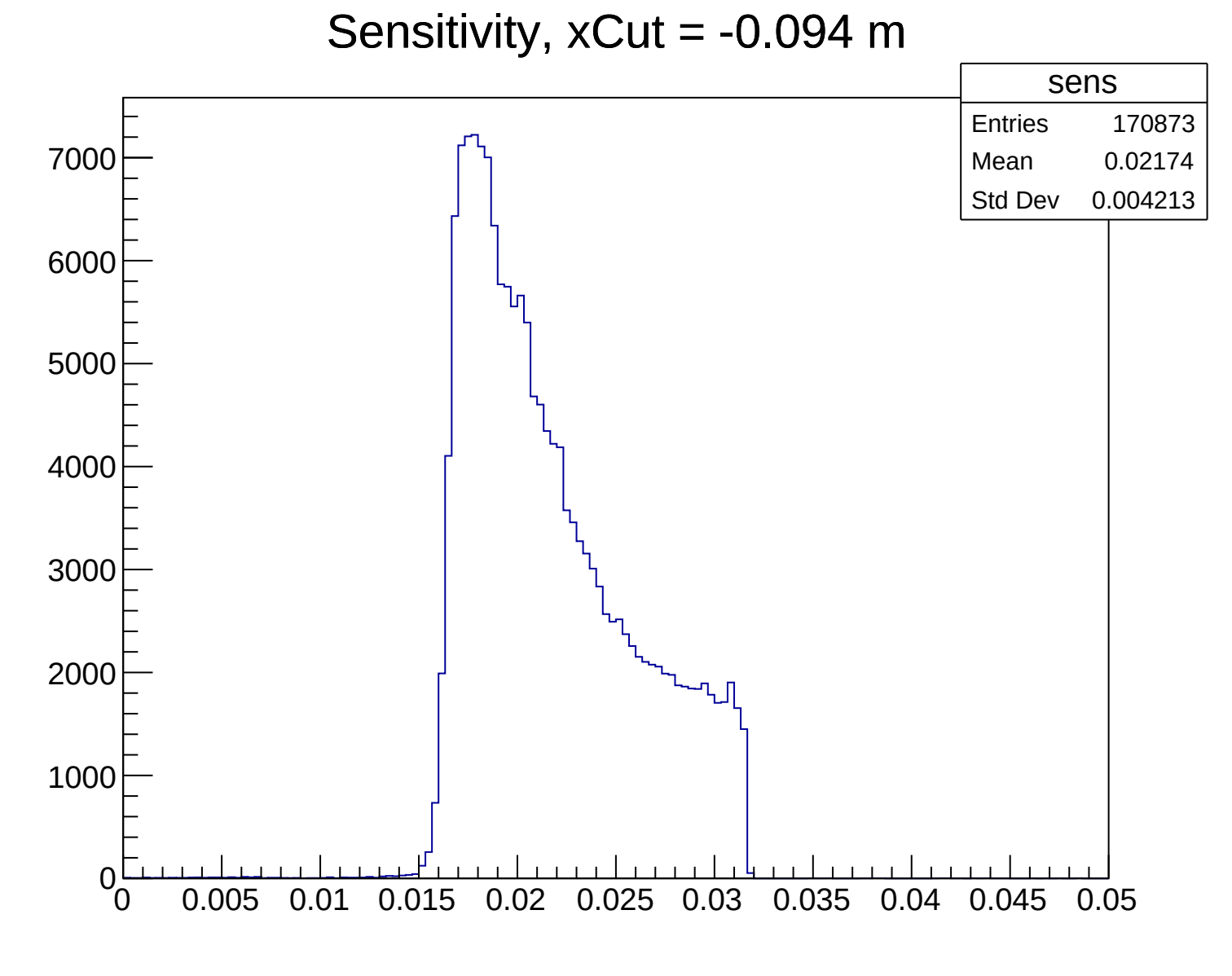

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

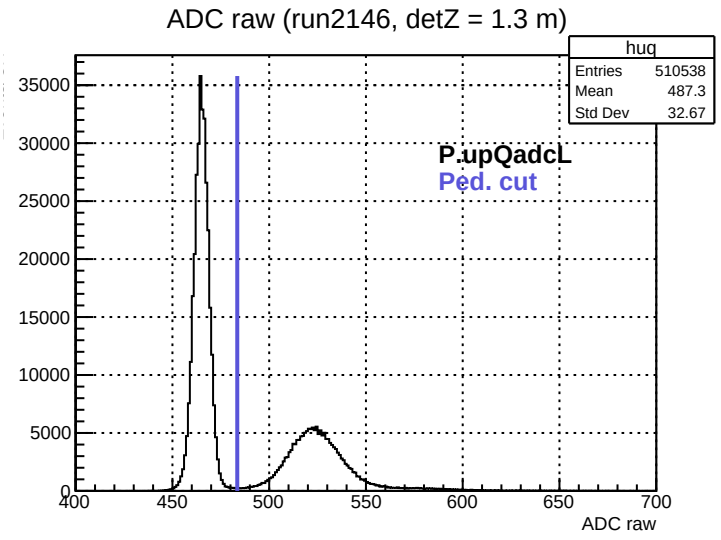

θlab (deg), xCut = -0.094 m
Theta
Entries 170873
Mean 4.736
Std Dev 0.4914
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

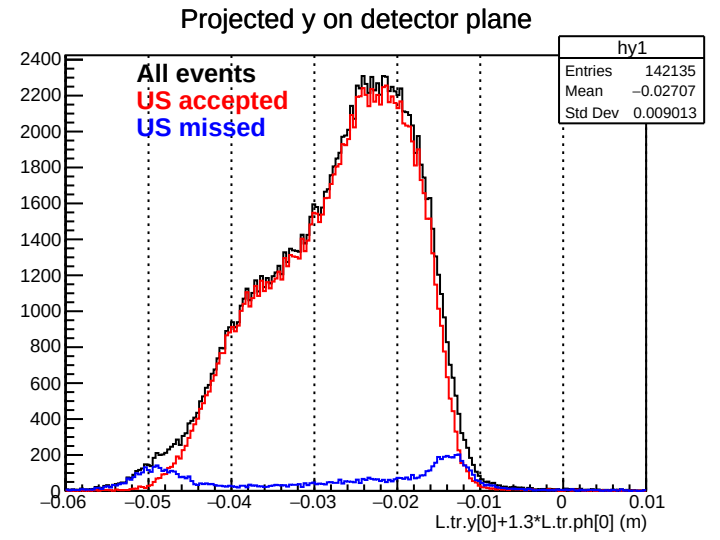

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 170873
Mean 0.5606
Std Dev 0.08616
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

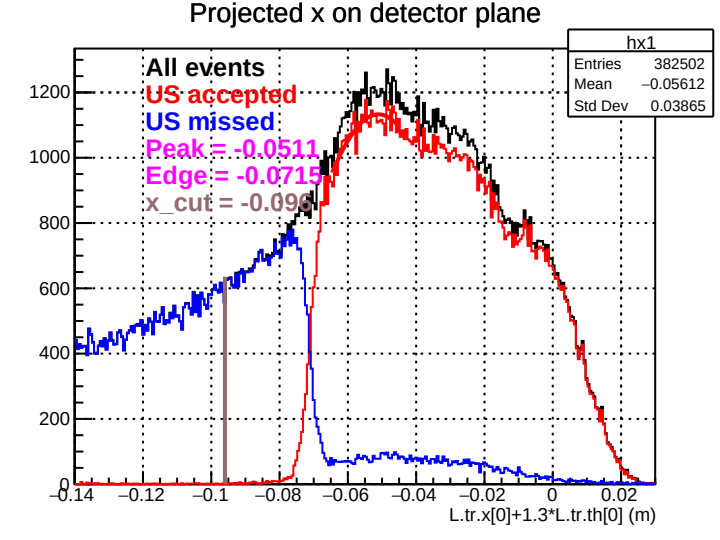

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 170873
Mean 0.5481
Std Dev 0.08215
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

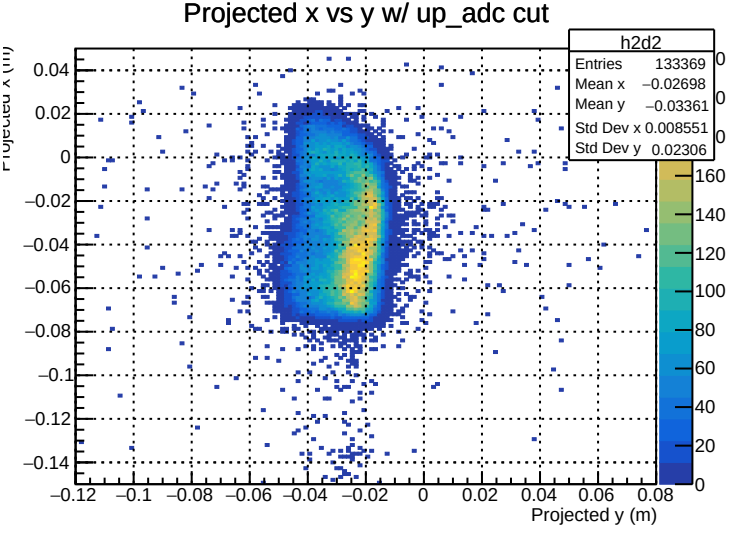

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 170873
Mean 0.006198
Std Dev 0.001323
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

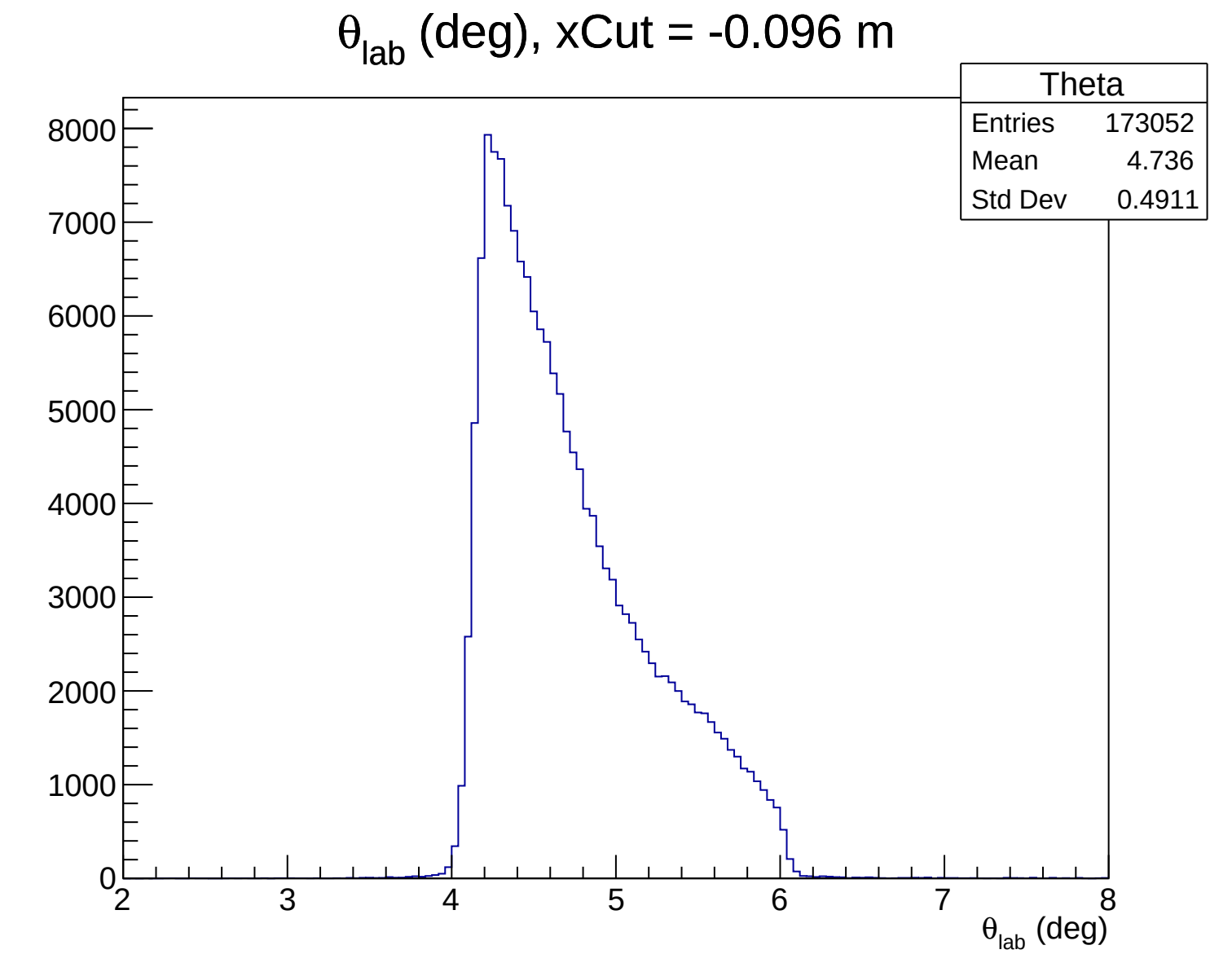

Sensitivity, xCut = -0.094 m
sens
Entries 170873
Mean 0.02174
Std Dev 0.004213
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

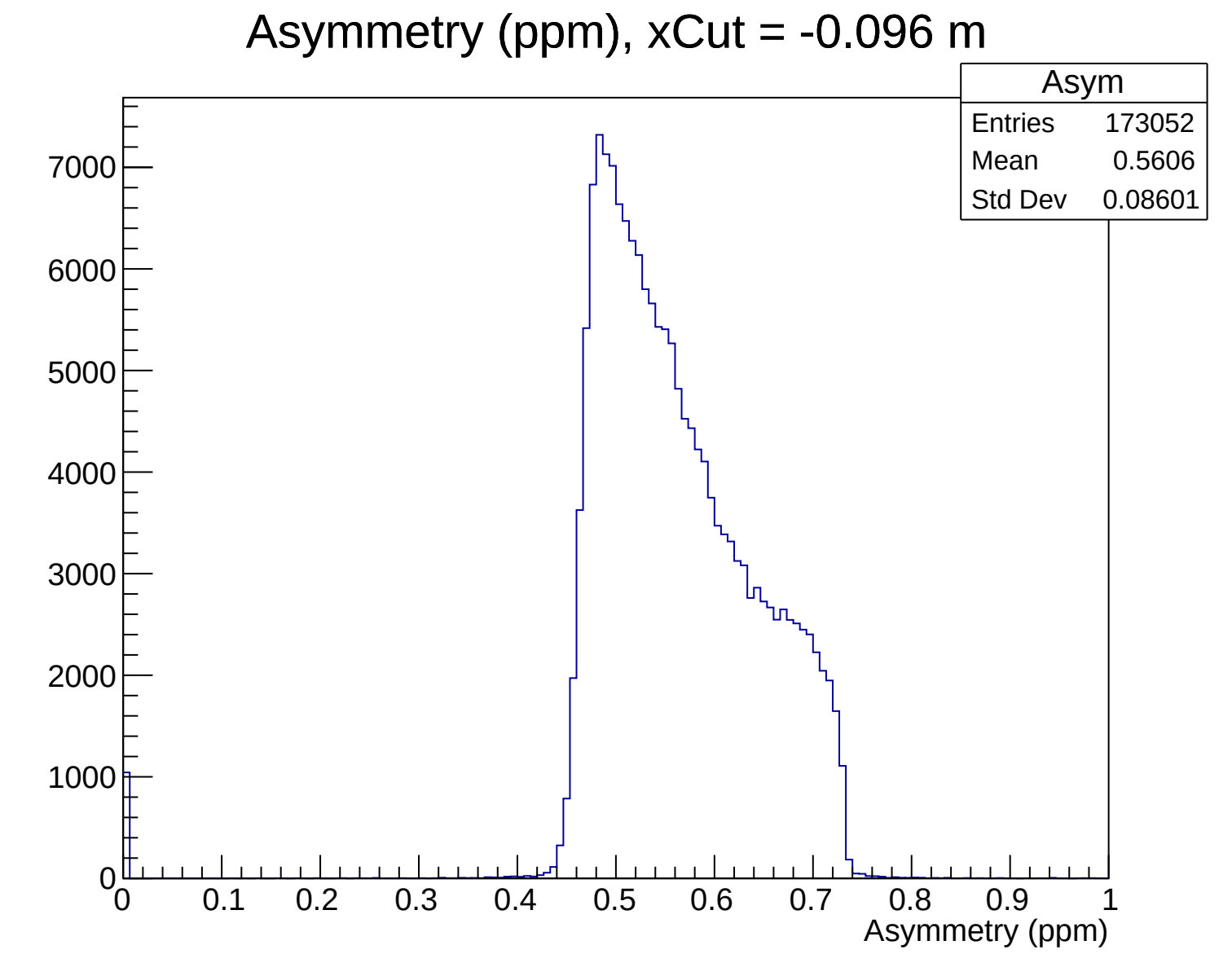

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

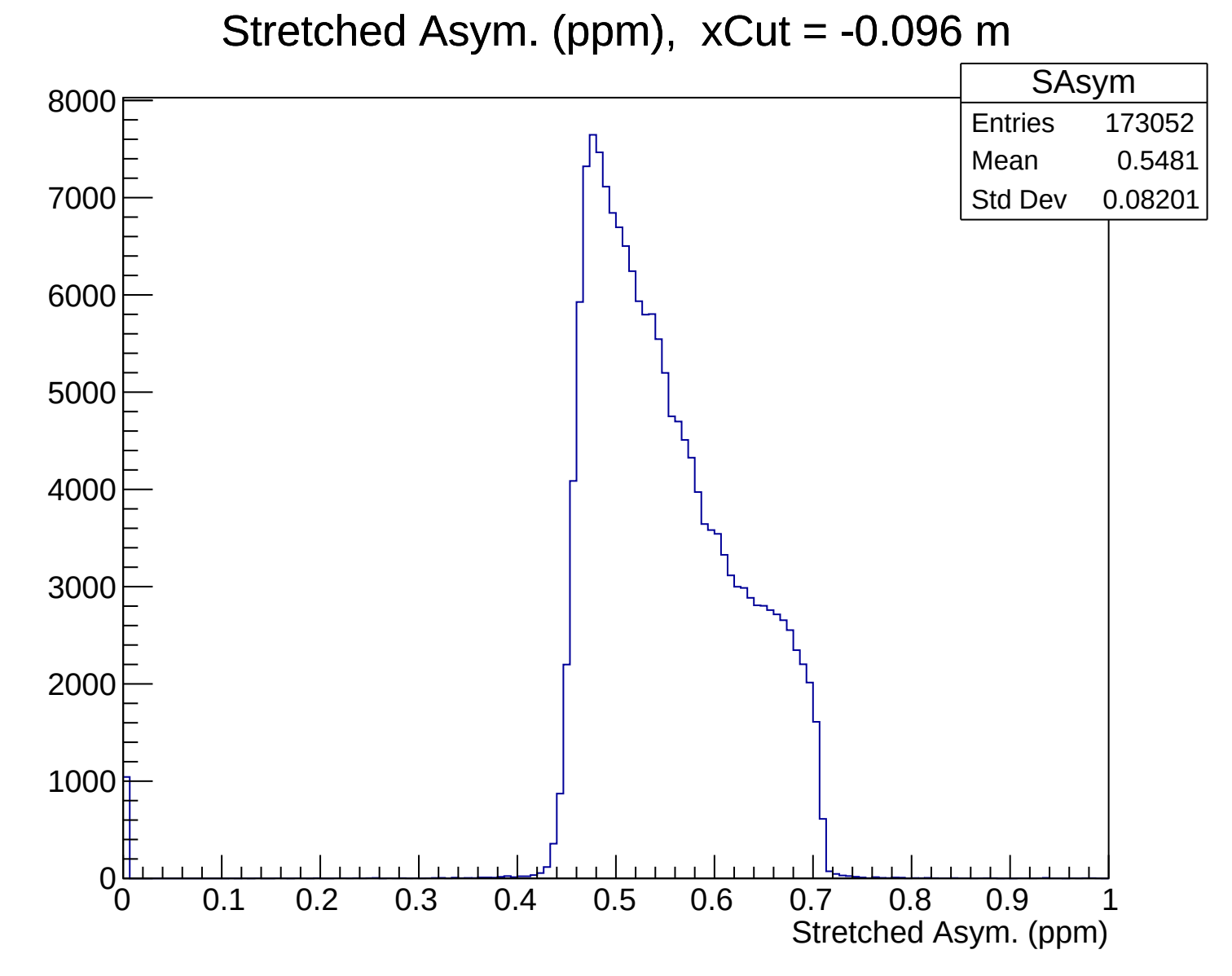

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

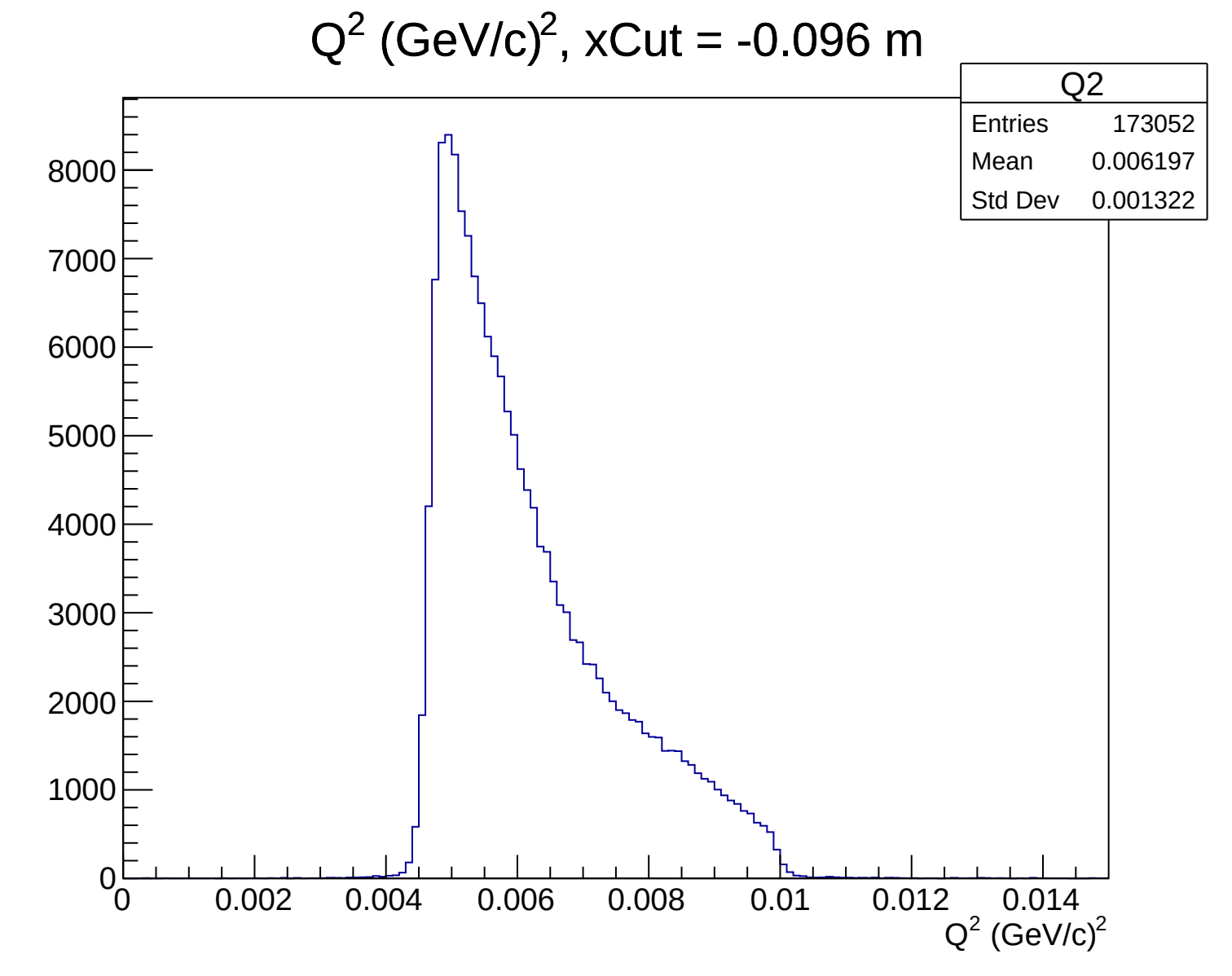

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.096
L.tr.x[0]+1.3*L.tr.th[0] (m)

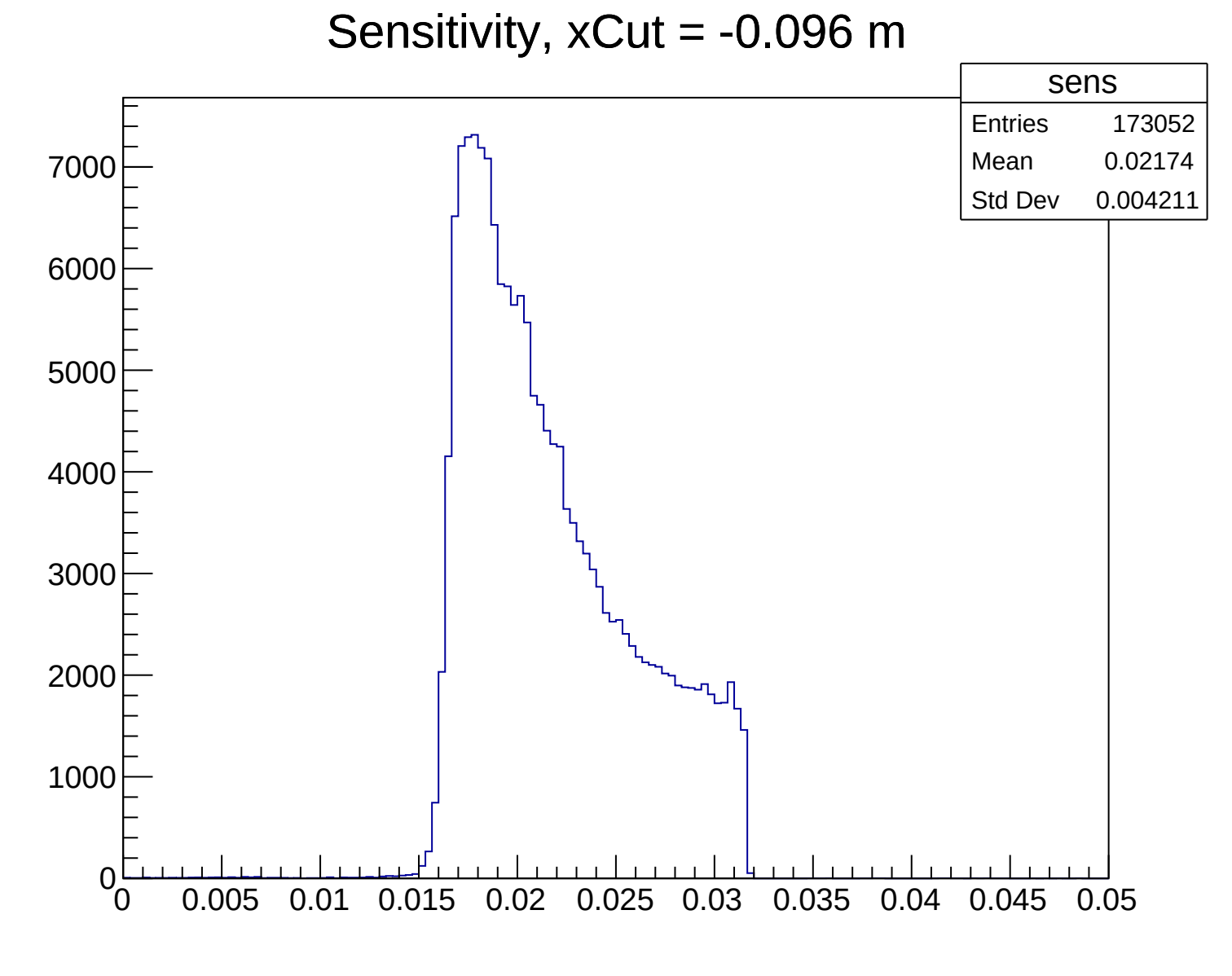

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

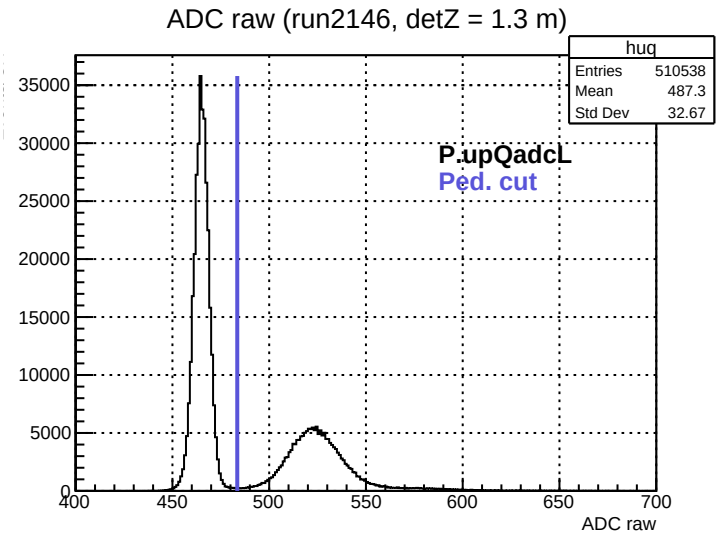

θlab (deg), xCut = -0.096 m
Theta
Entries 173052
Mean 4.736
Std Dev 0.4911
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

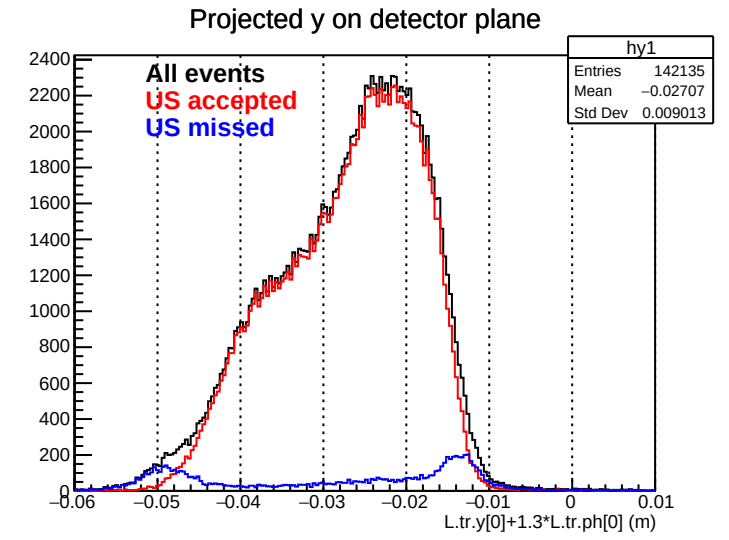

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 173052
Mean 0.5606
Std Dev 0.08601
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

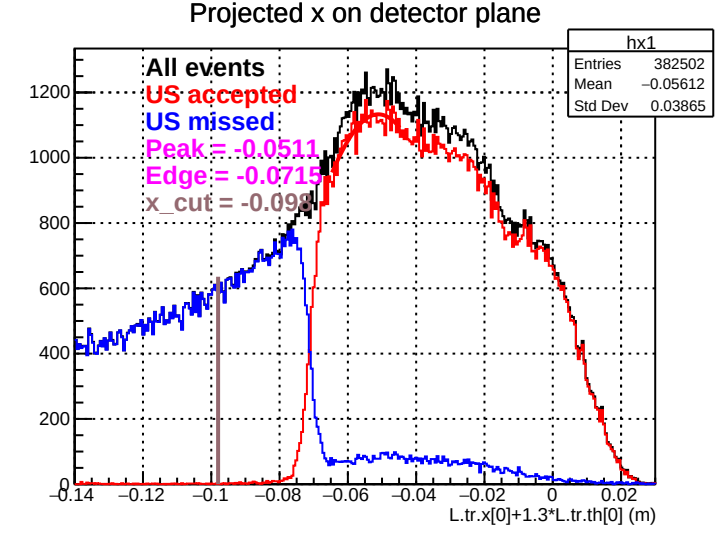

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 173052
Mean 0.5481
Std Dev 0.08201
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

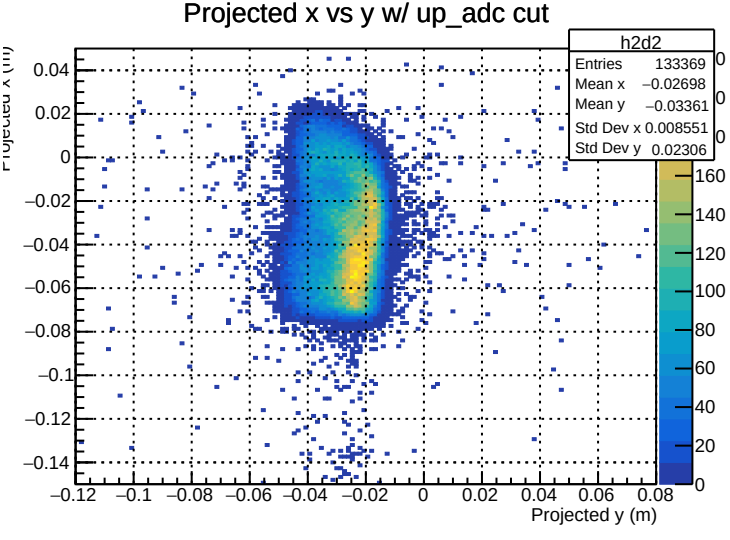

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 173052
Mean 0.006197
Std Dev 0.001322
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

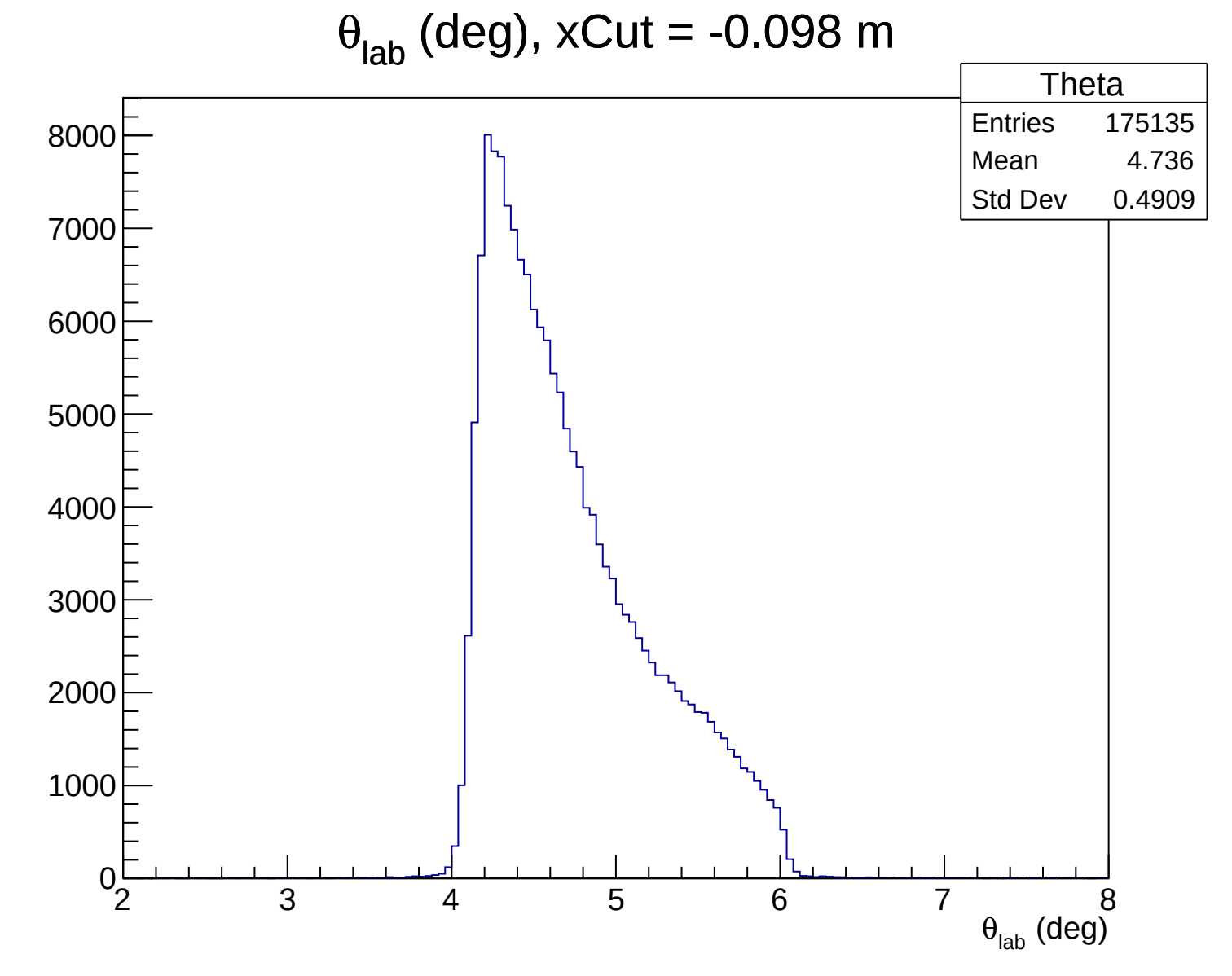

Sensitivity, xCut = -0.096 m
sens
Entries 173052
Mean 0.02174
Std Dev 0.004211
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

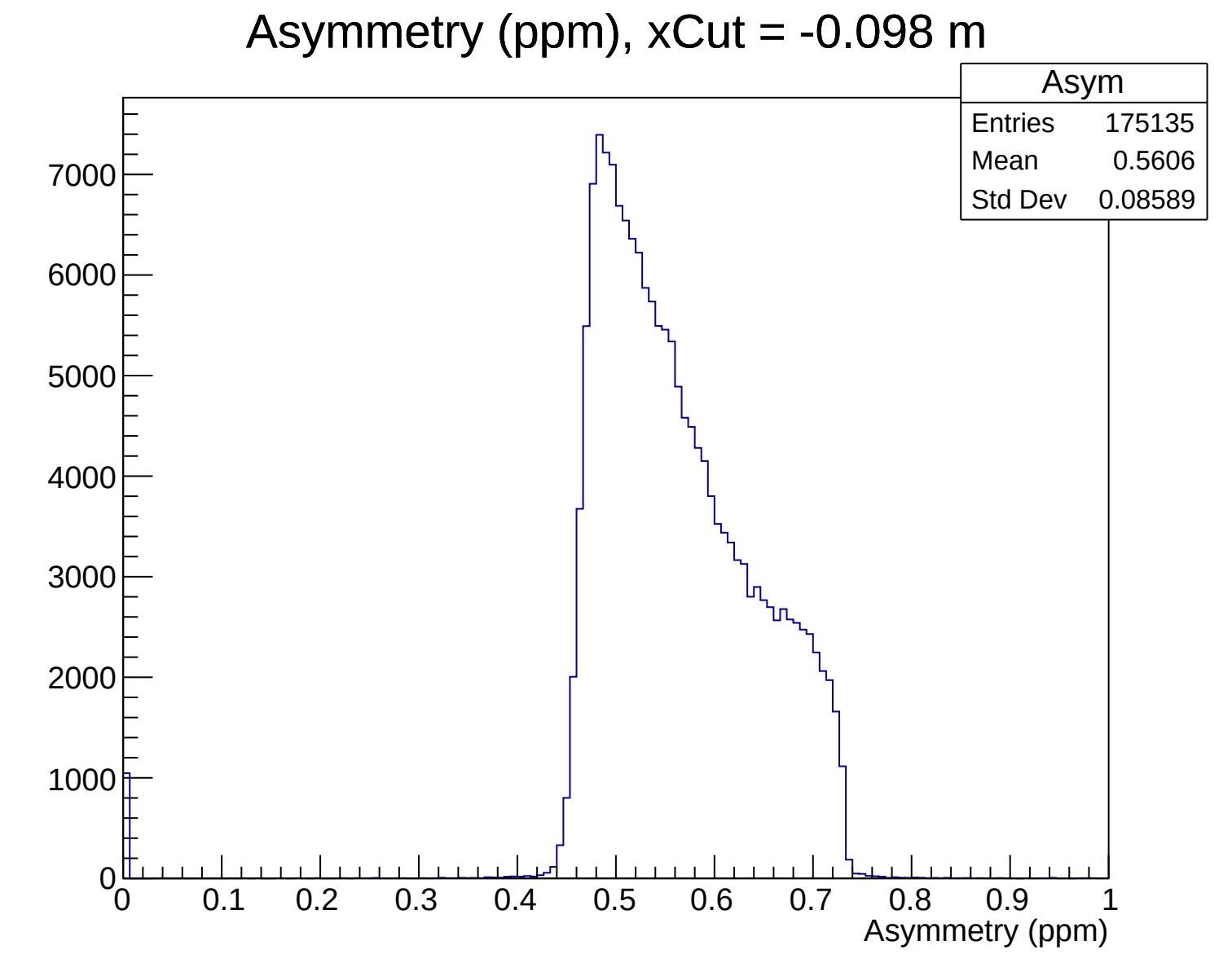

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

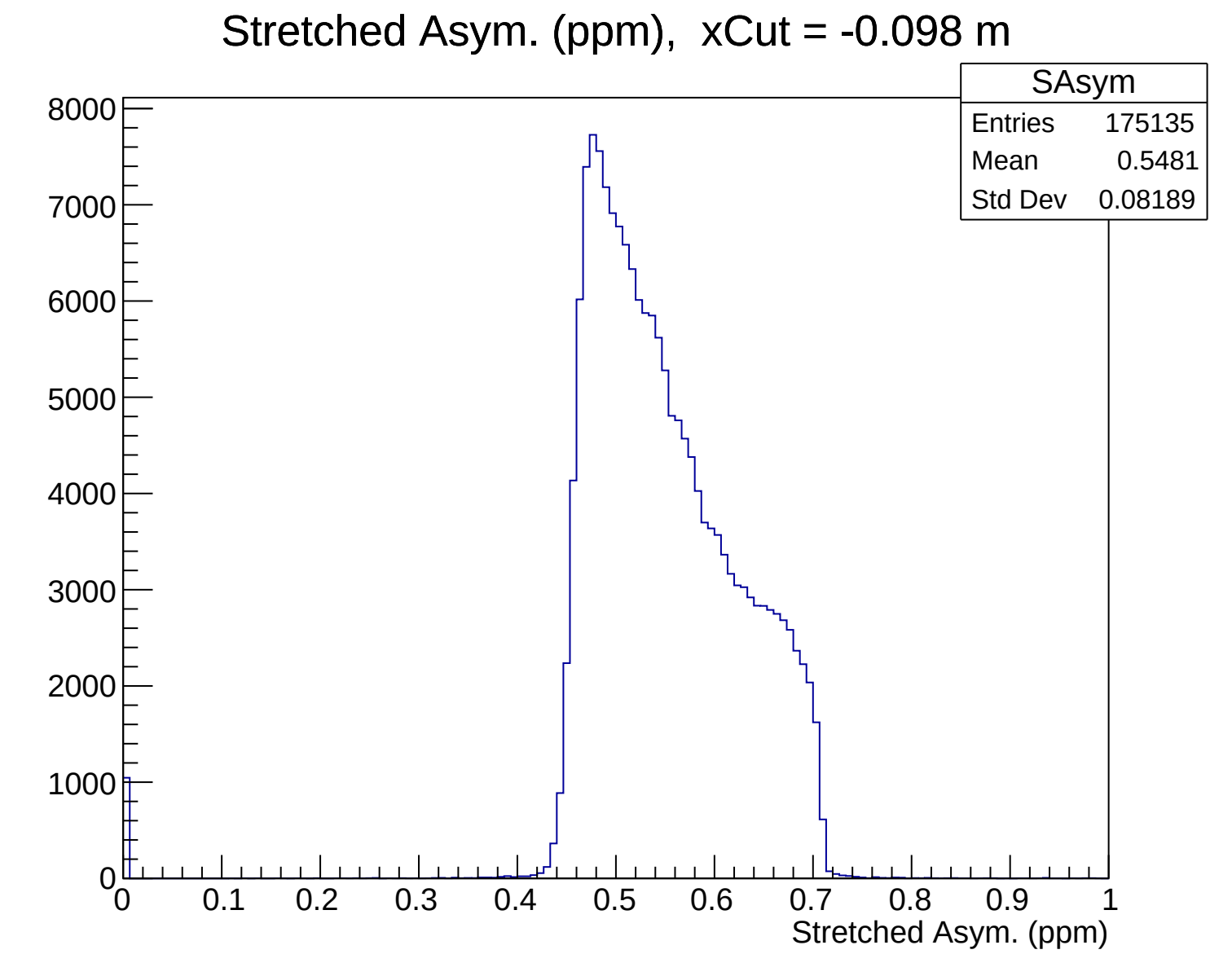

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

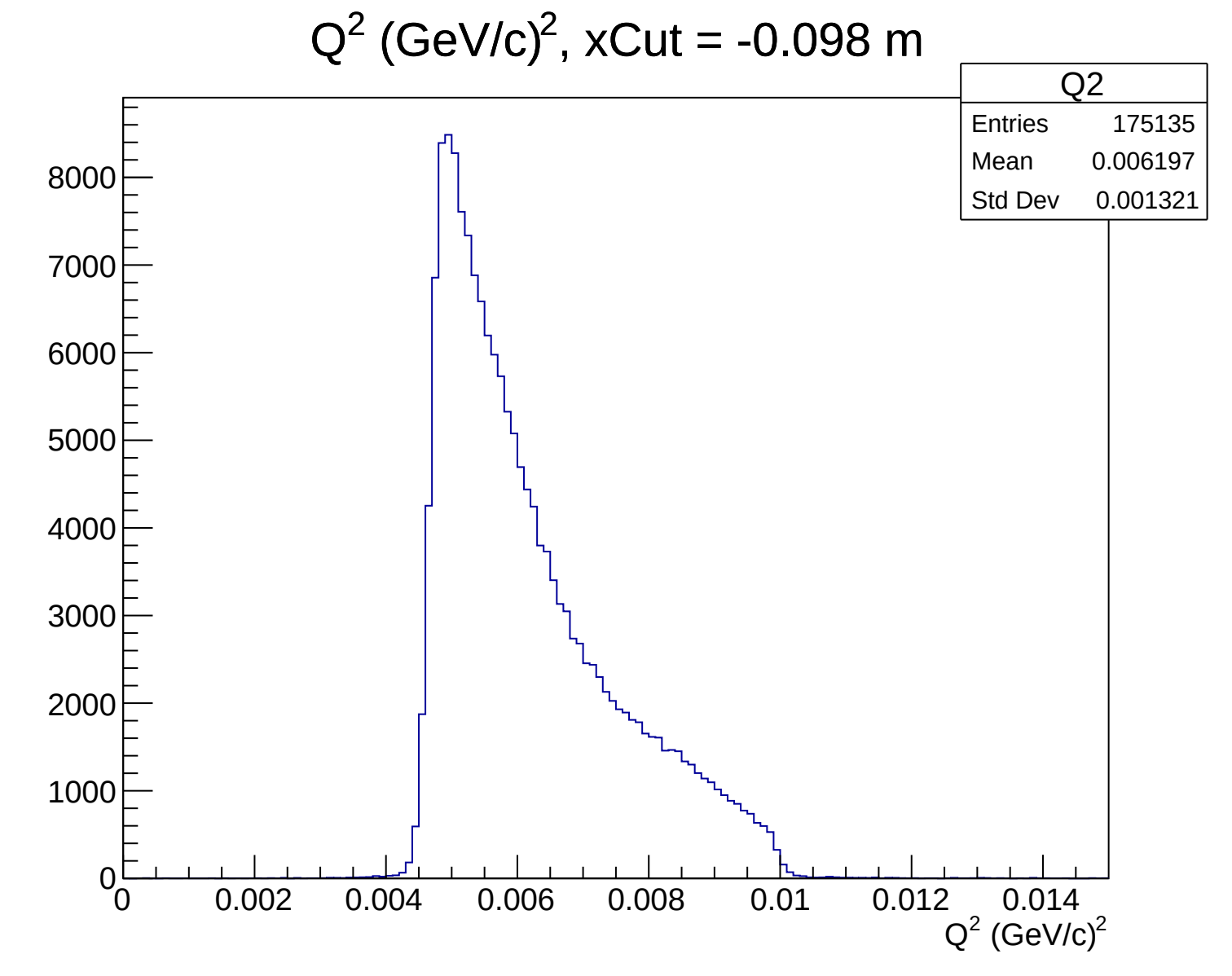

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

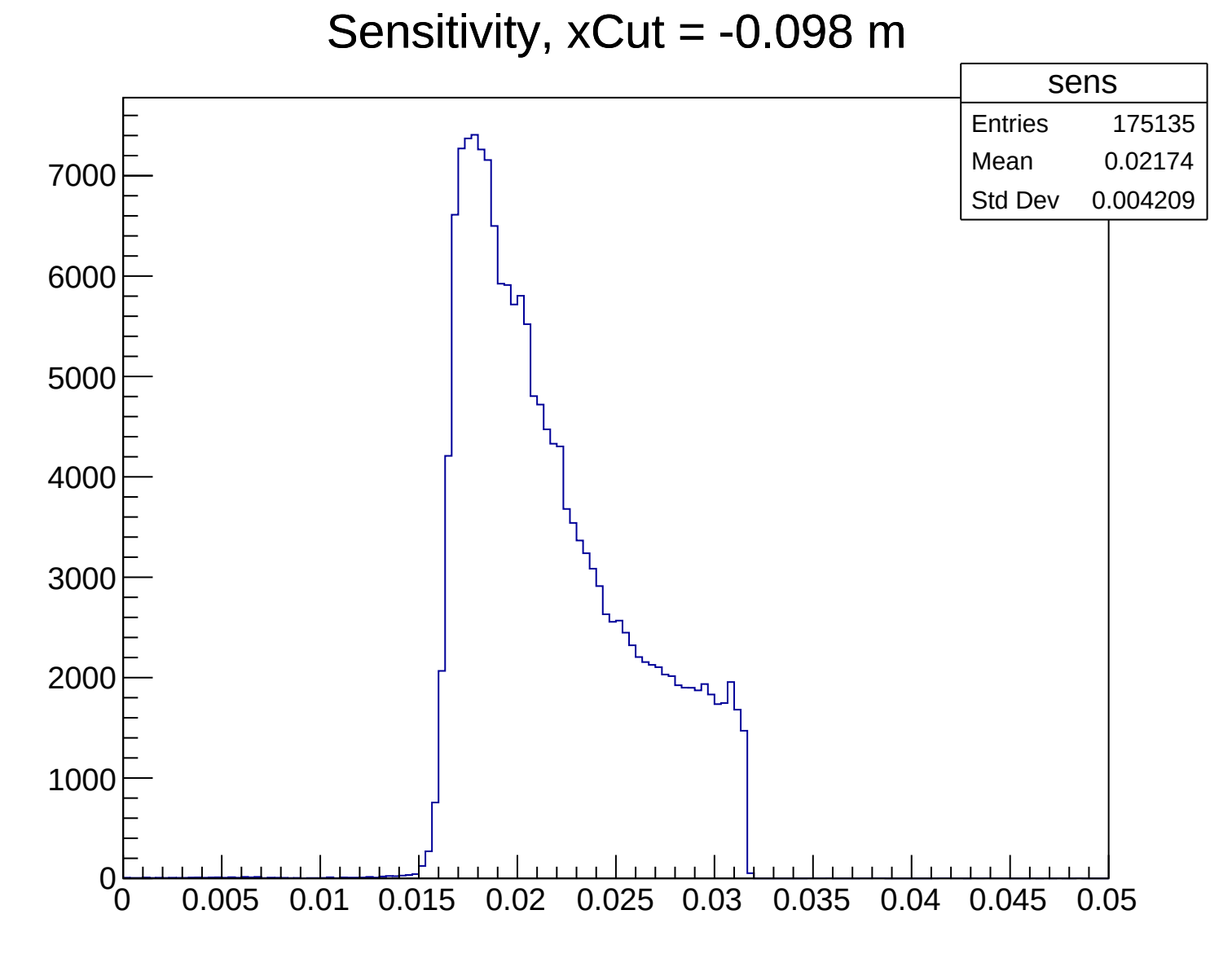

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

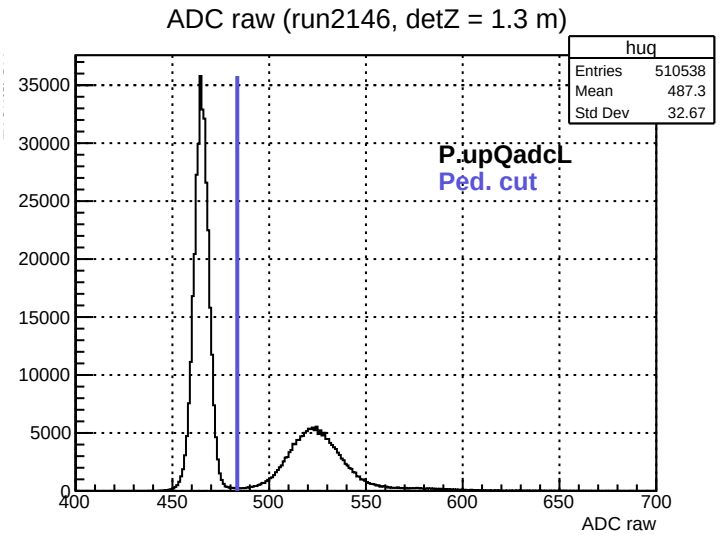

θlab (deg), xCut = -0.098 m
Theta
Entries 175135
Mean 4.736
Std Dev 0.4909
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

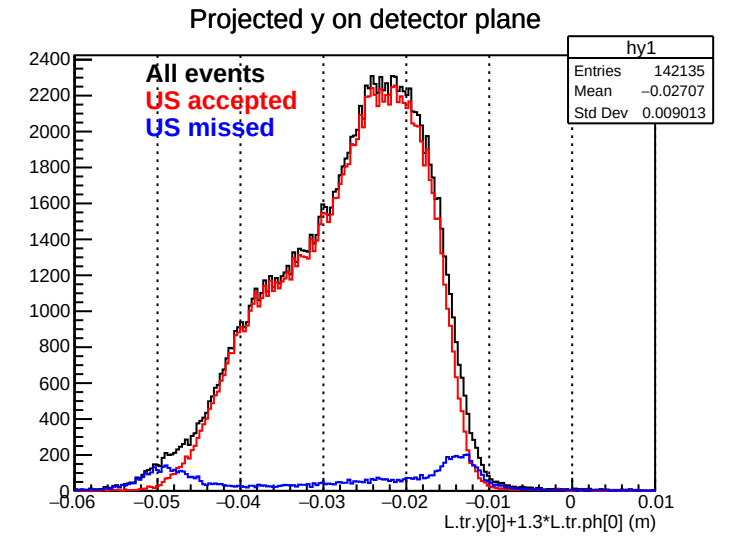

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 175135
Mean 0.5606
Std Dev 0.08589
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

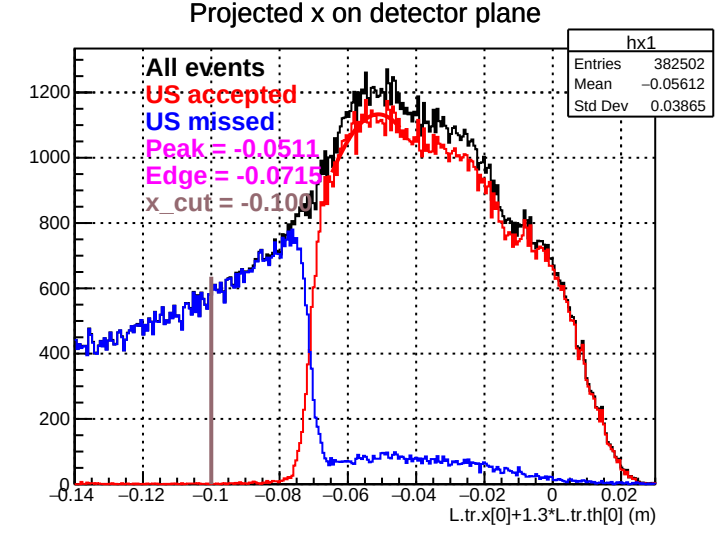

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 175135
Mean 0.5481
Std Dev 0.08189
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

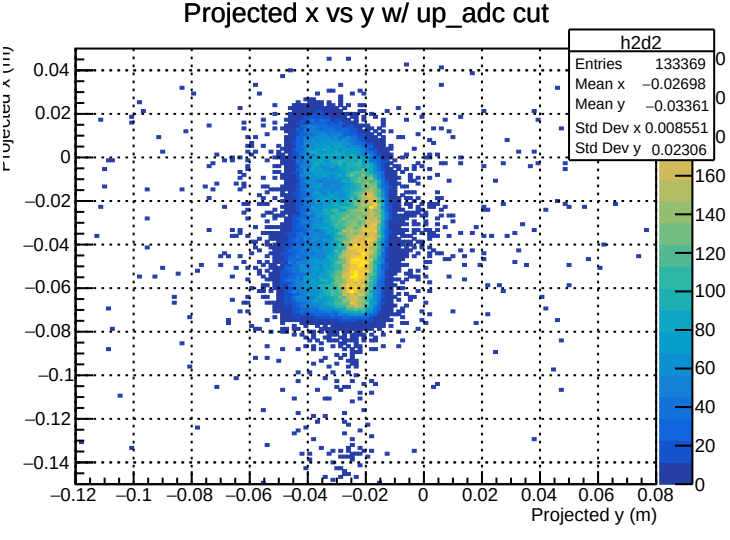

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 175135
Mean 0.006197
Std Dev 0.001321
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

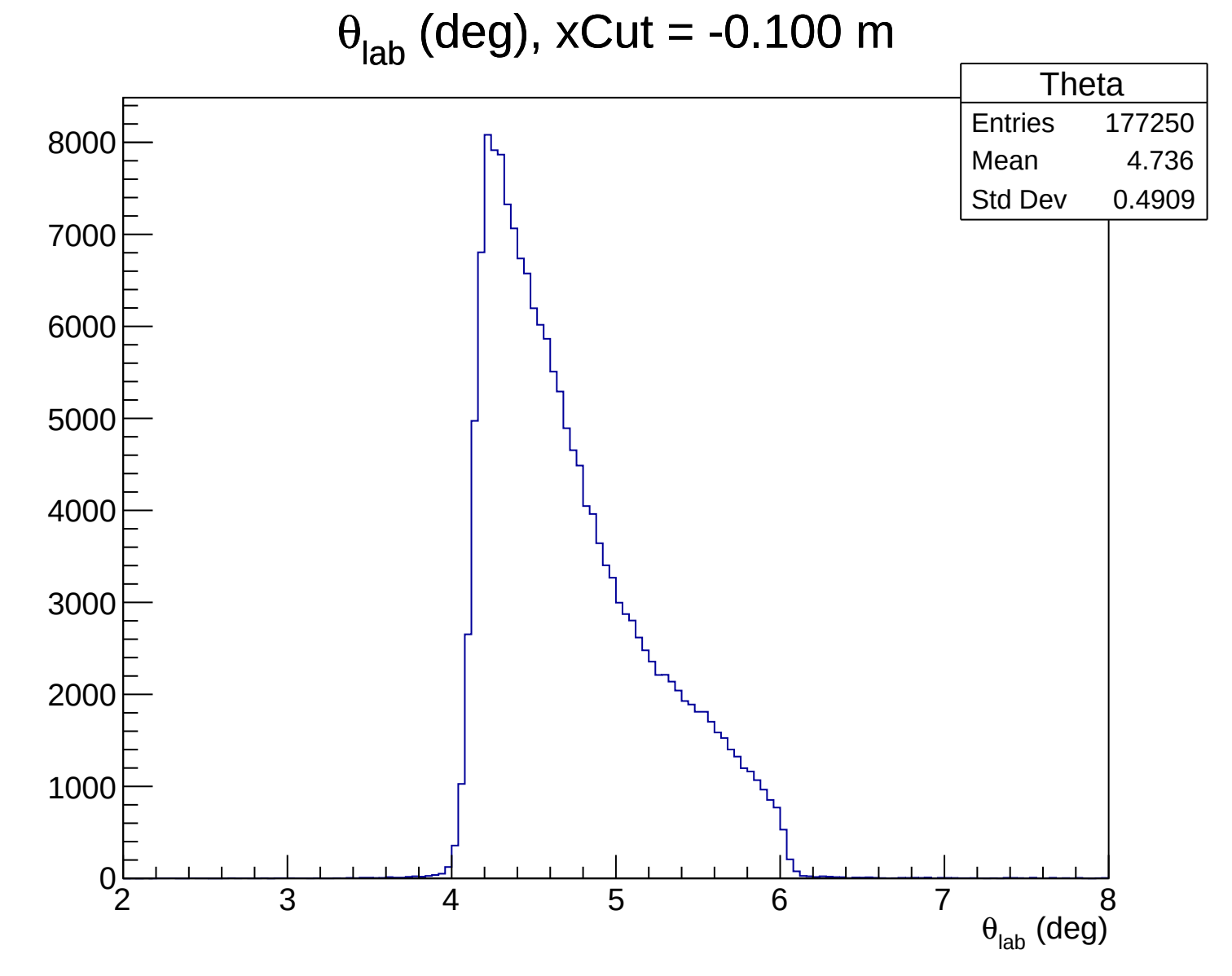

Sensitivity, xCut = -0.098 m
sens
Entries 175135
Mean 0.02174
Std Dev 0.004209
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

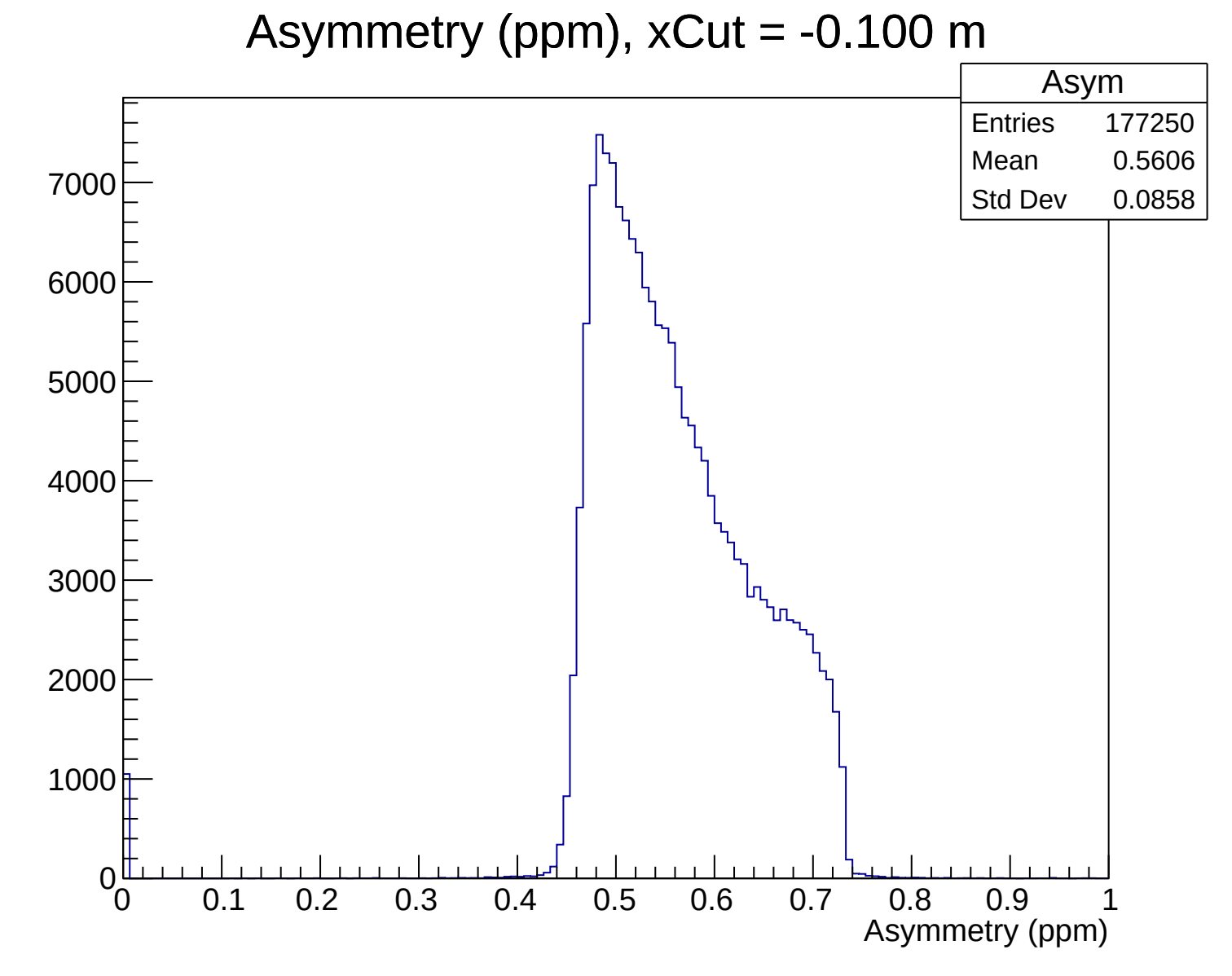

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

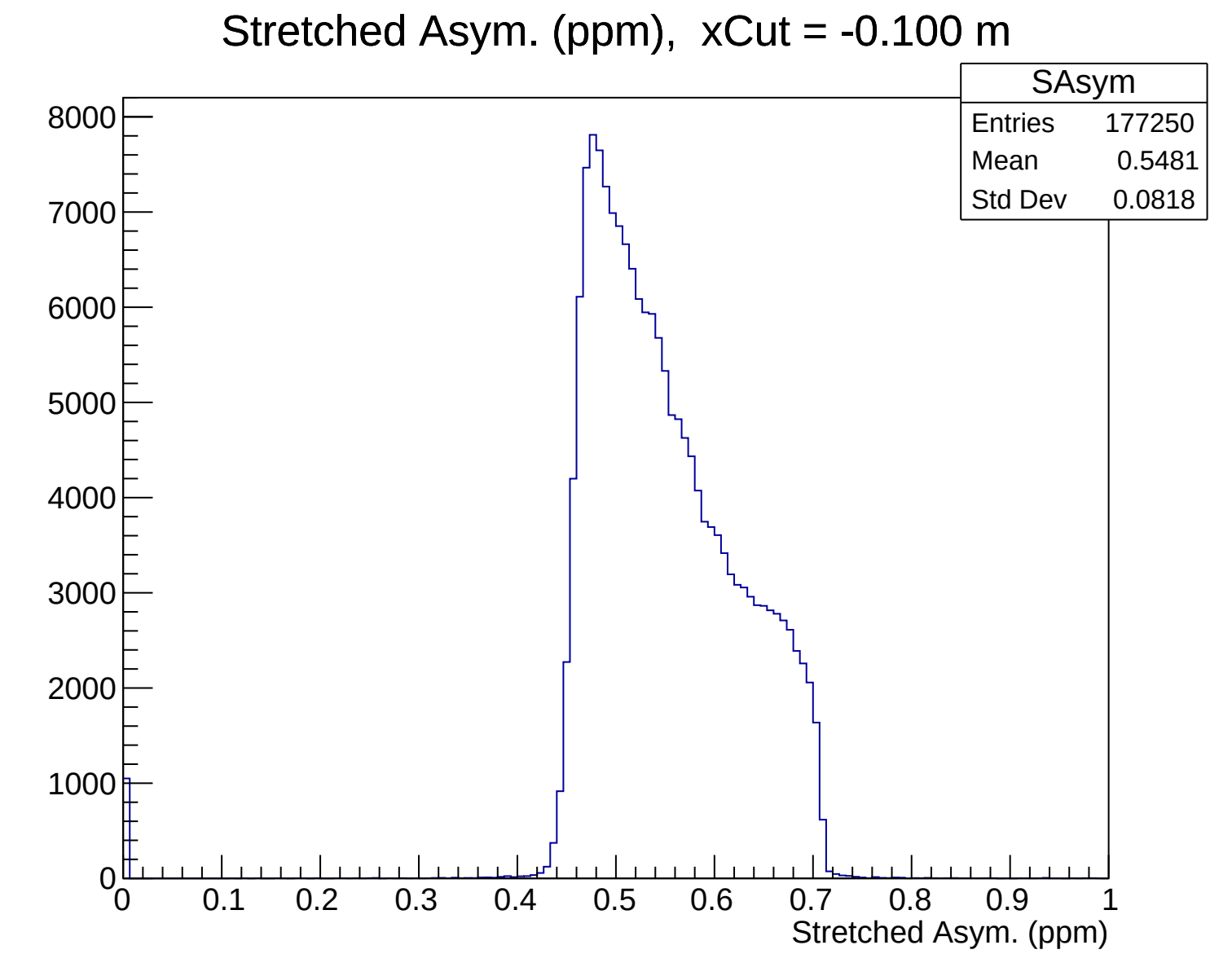

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

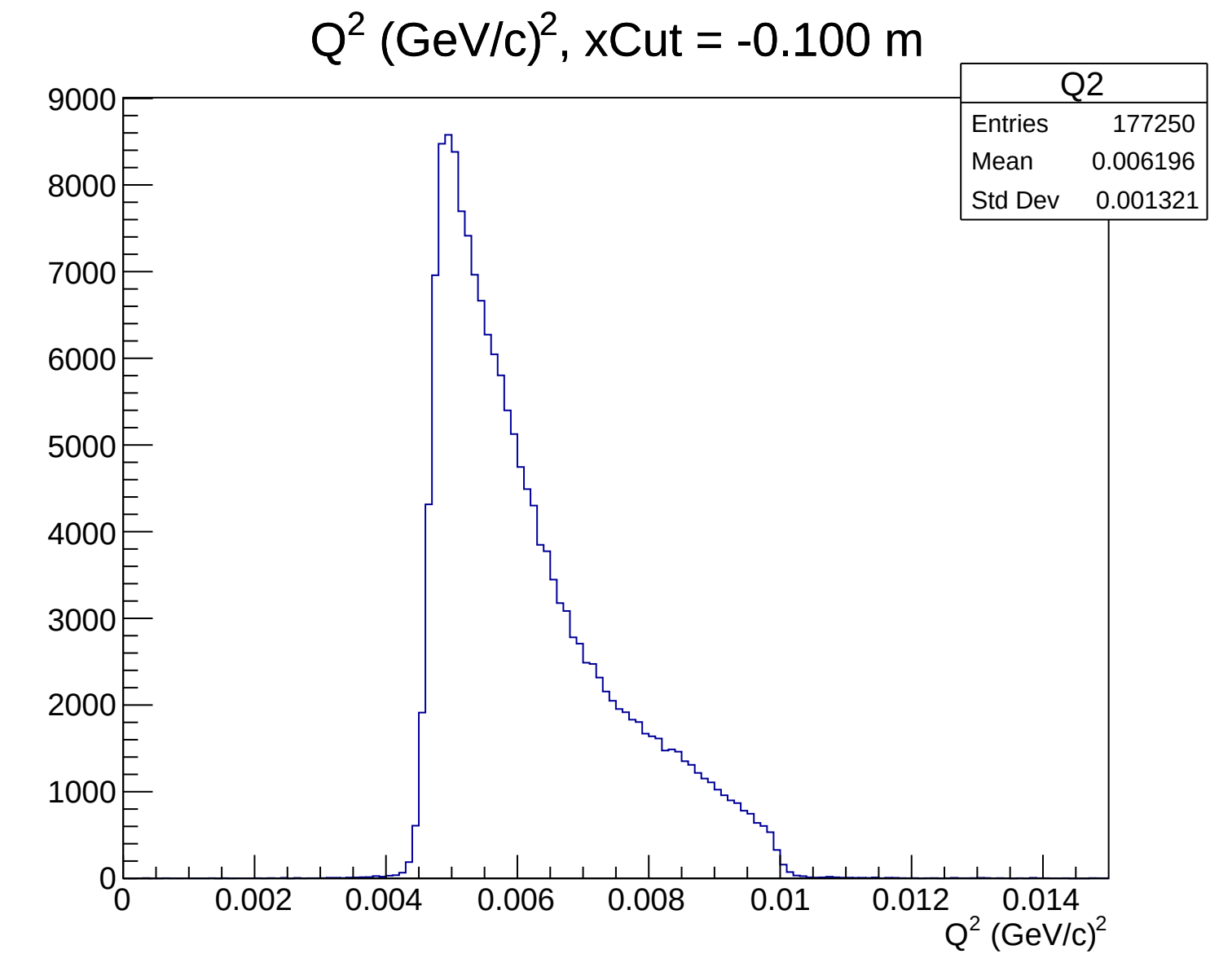

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

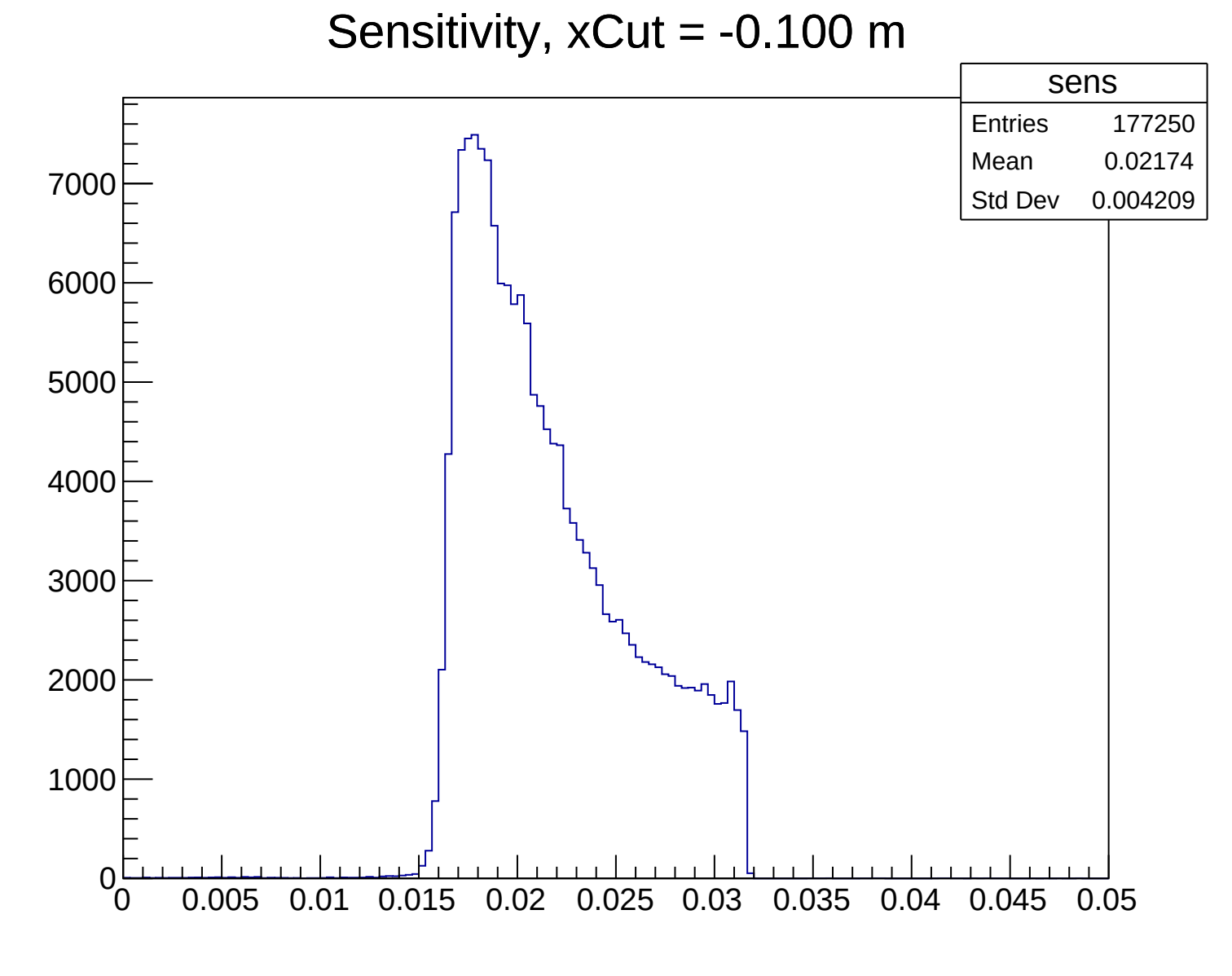

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

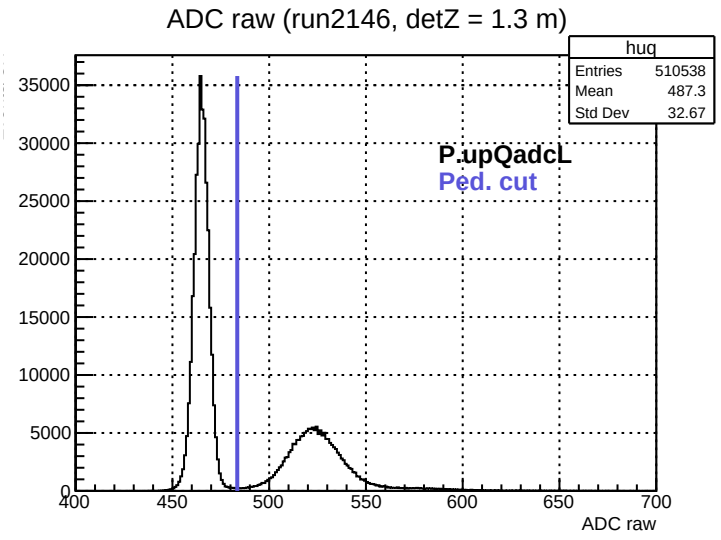

θlab (deg), xCut = -0.100 m
Theta
Entries 177250
Mean 4.736
Std Dev 0.4909
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

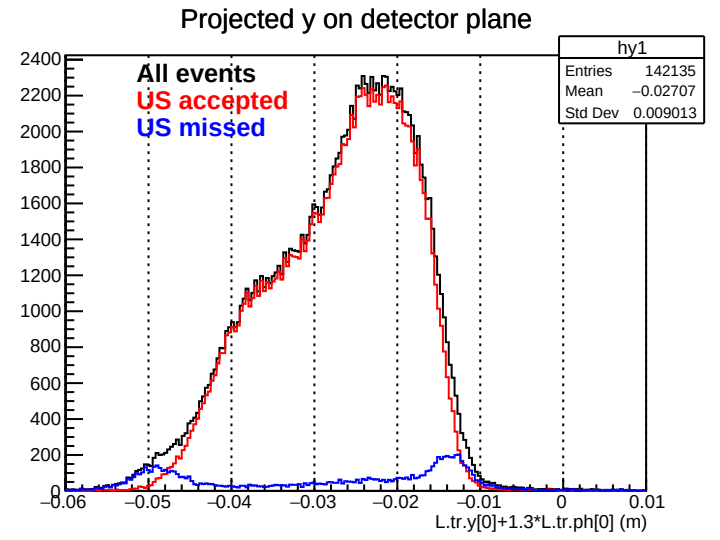

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 177250
Mean 0.5606
Std Dev 0.0858
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

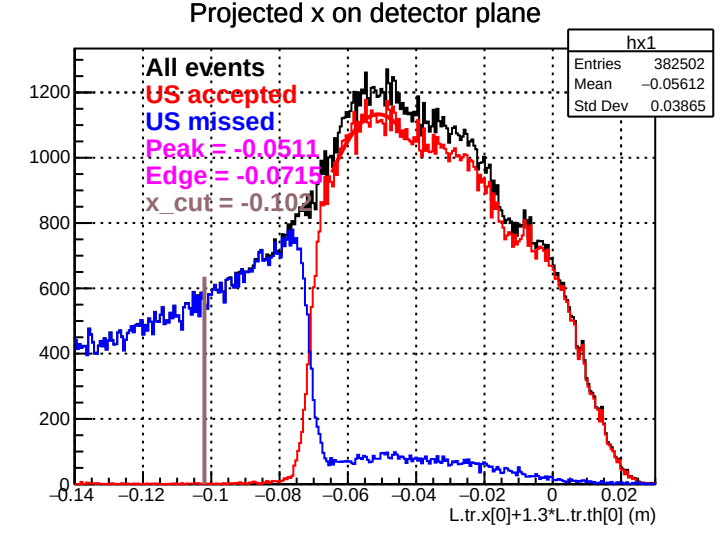

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 177250
Mean 0.5481
Std Dev 0.0818
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

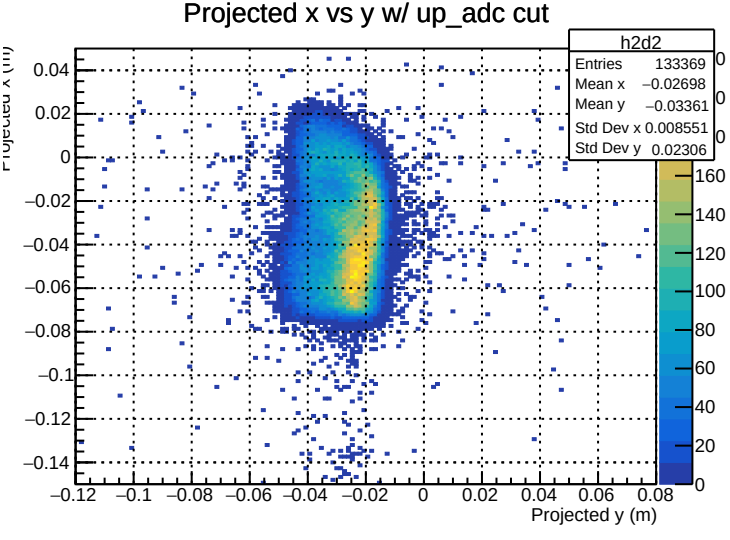

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 177250
Mean 0.006196
Std Dev 0.001321
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

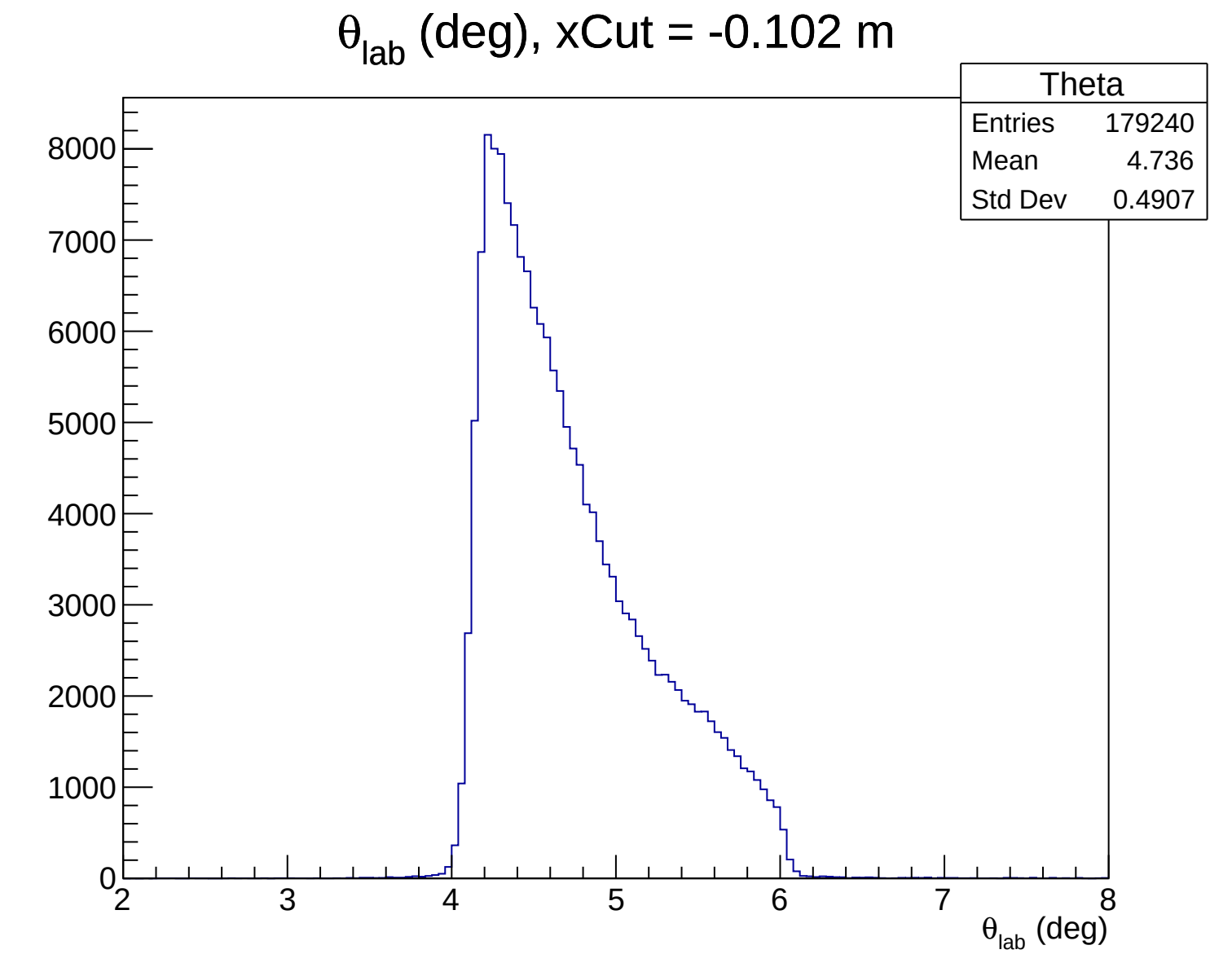

Sensitivity, xCut = -0.100 m
sens
Entries 177250
Mean 0.02174
Std Dev 0.004209
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

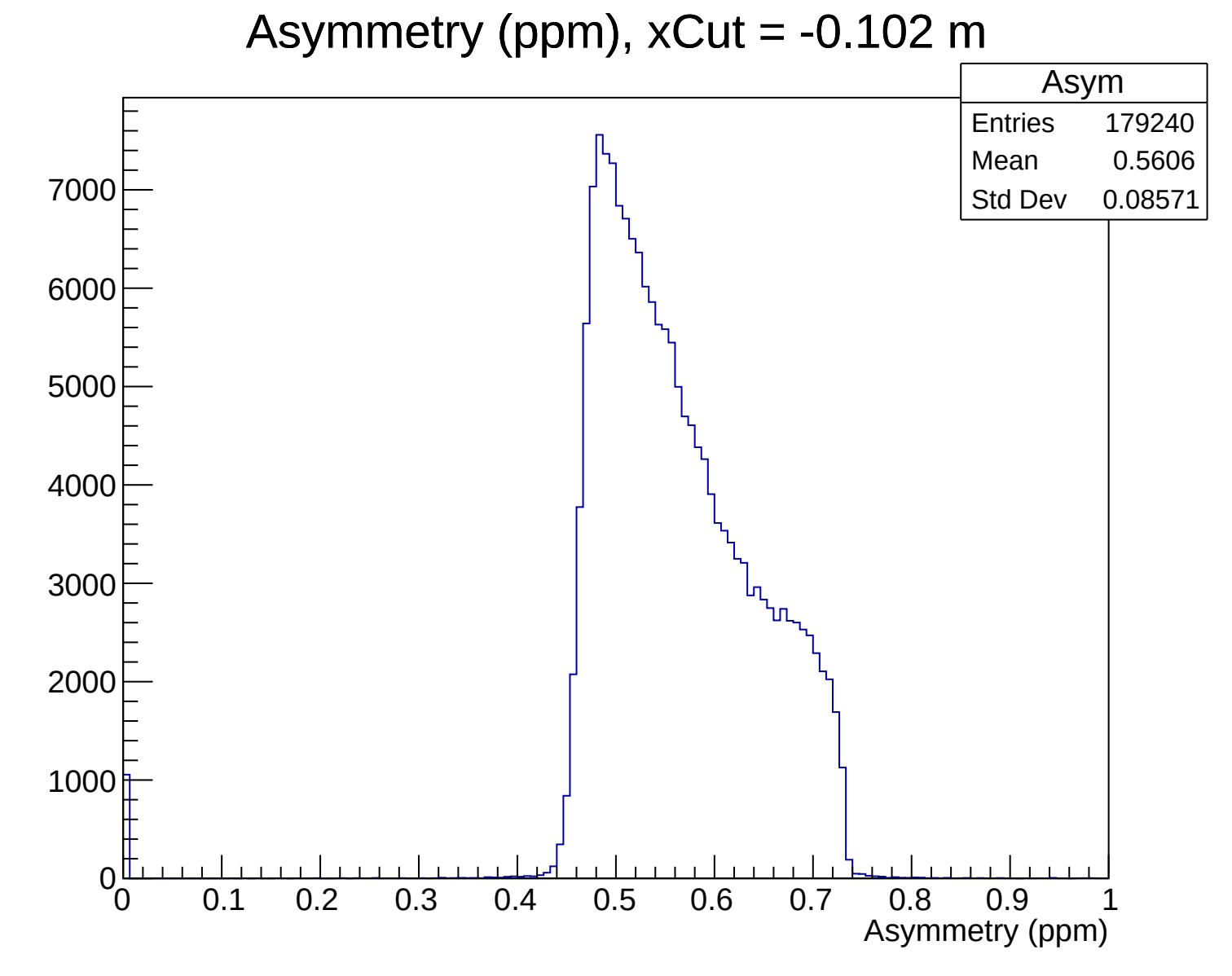

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

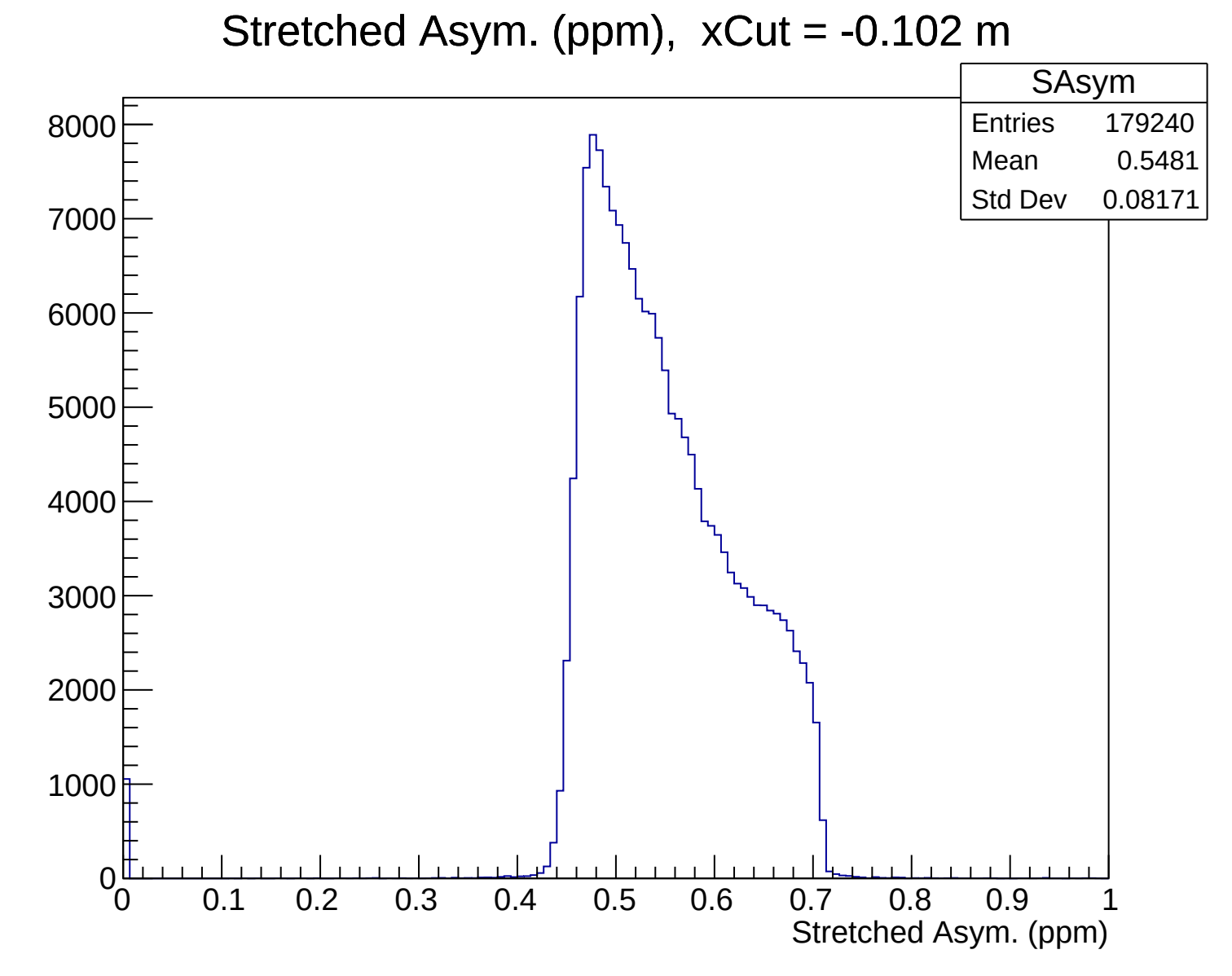

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

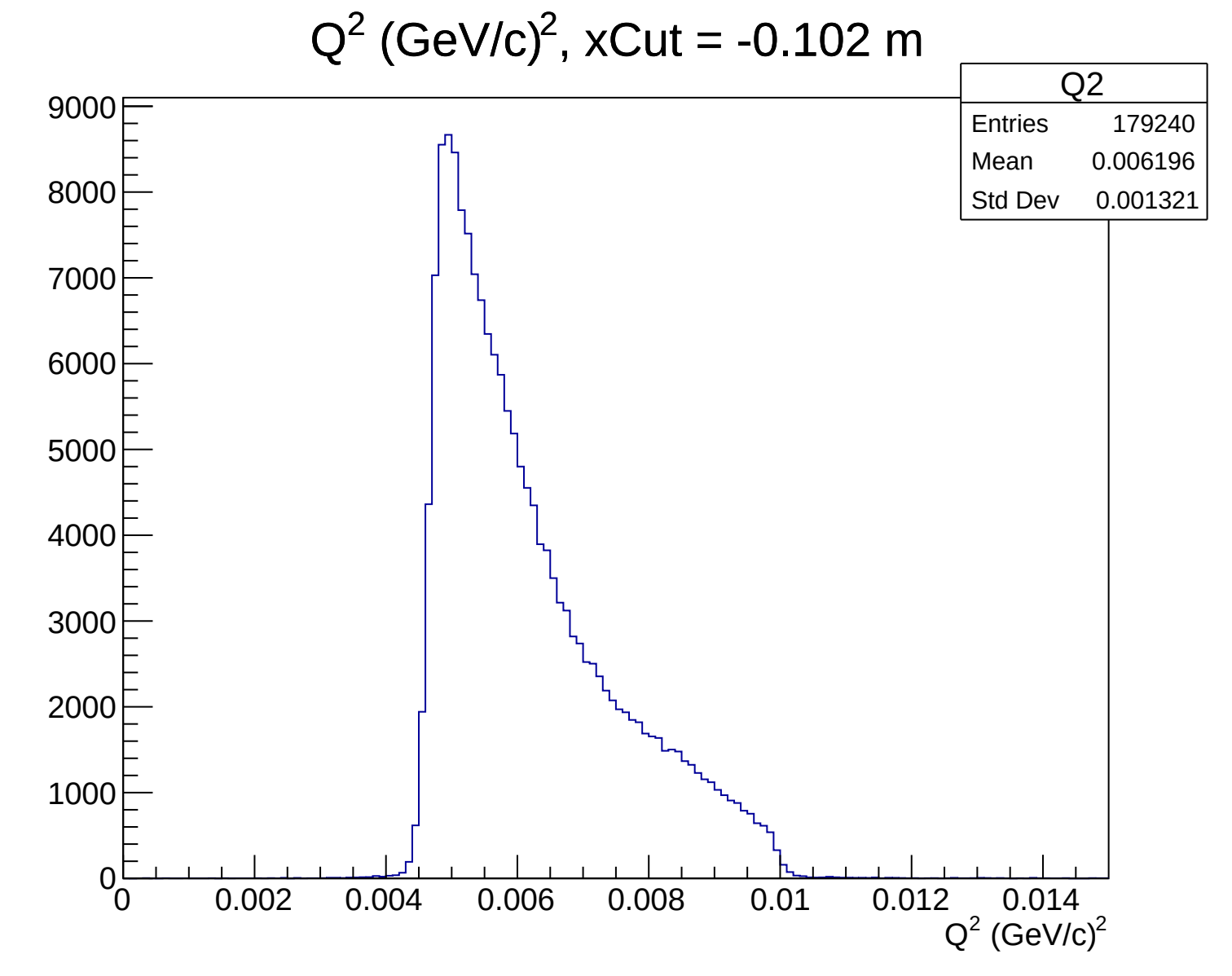

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.102
L.tr.x[0]+1.3*L.tr.th[0] (m)

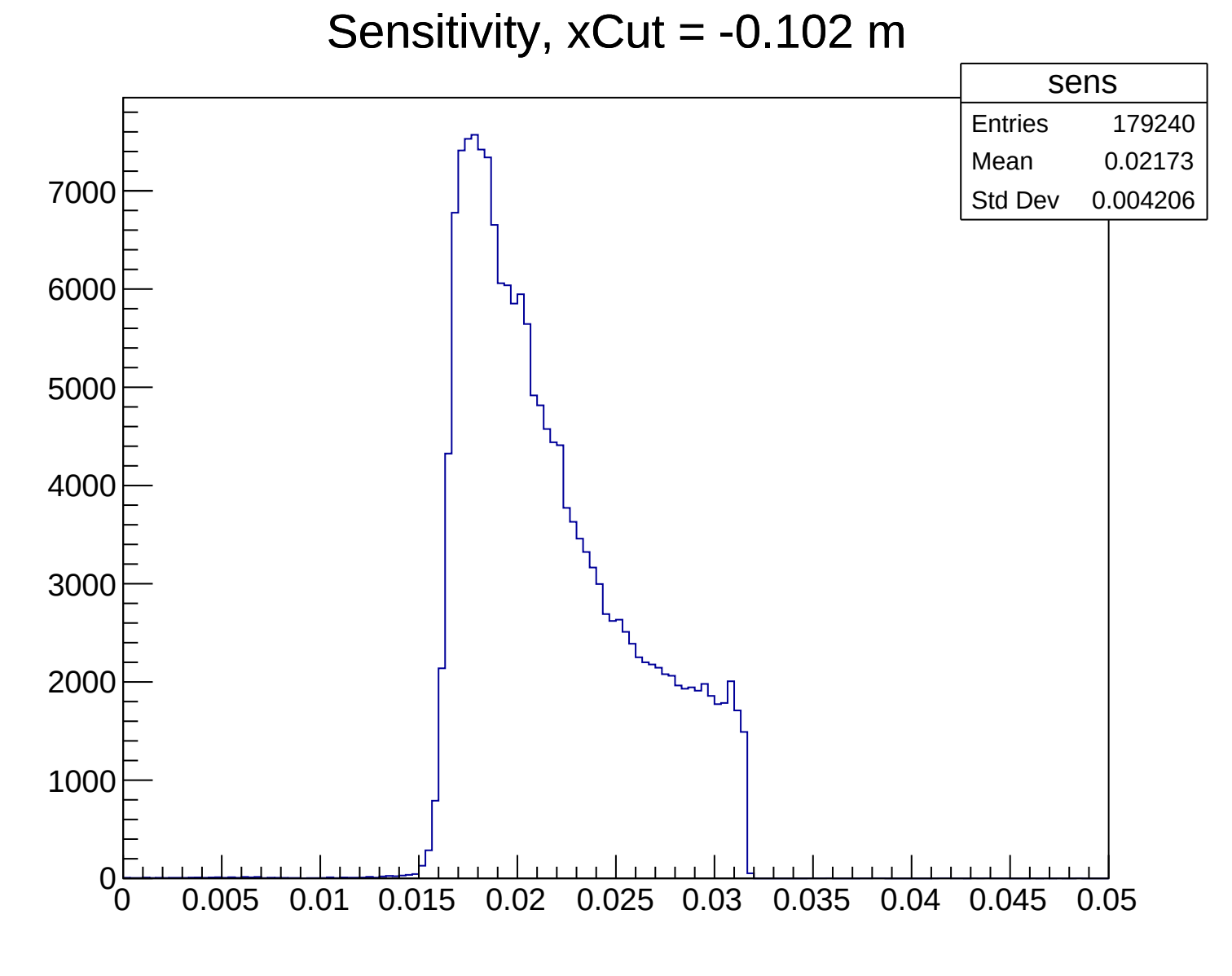

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

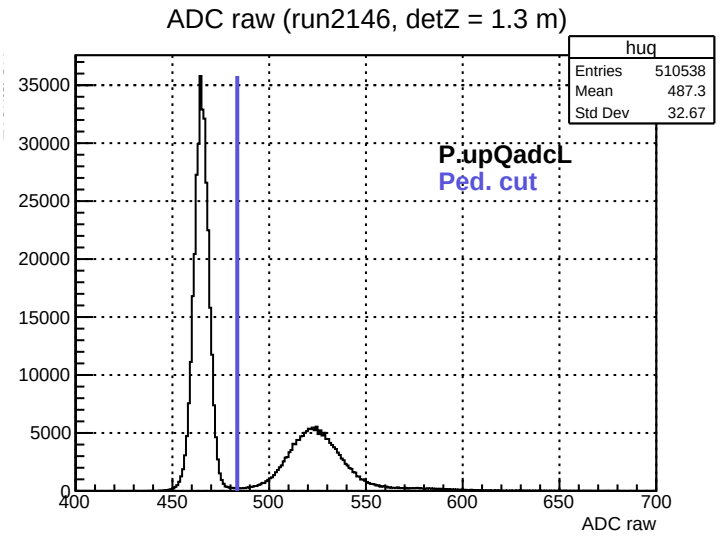

θlab (deg), xCut = -0.102 m
Theta
Entries 179240
Mean 4.736
Std Dev 0.4907
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

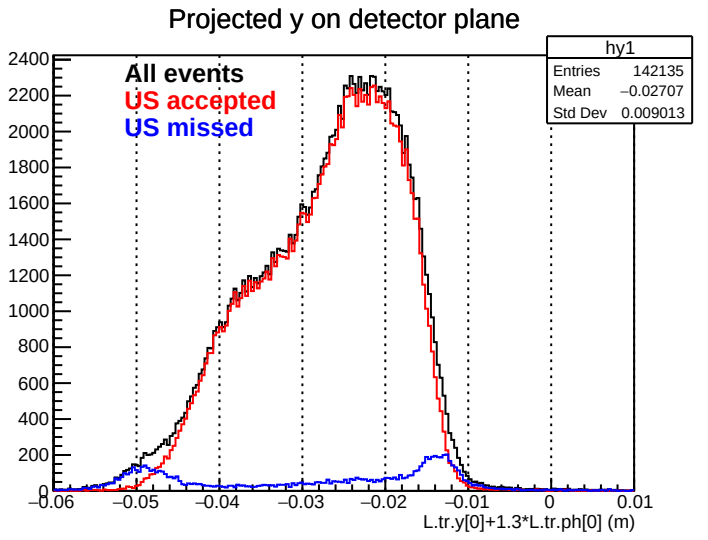

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 179240
Mean 0.5606
Std Dev 0.08571
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

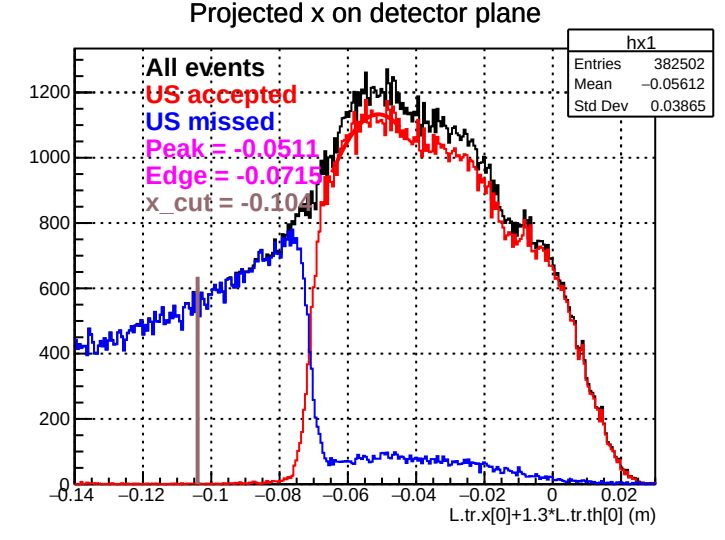

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 179240
Mean 0.5481
Std Dev 0.08171
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

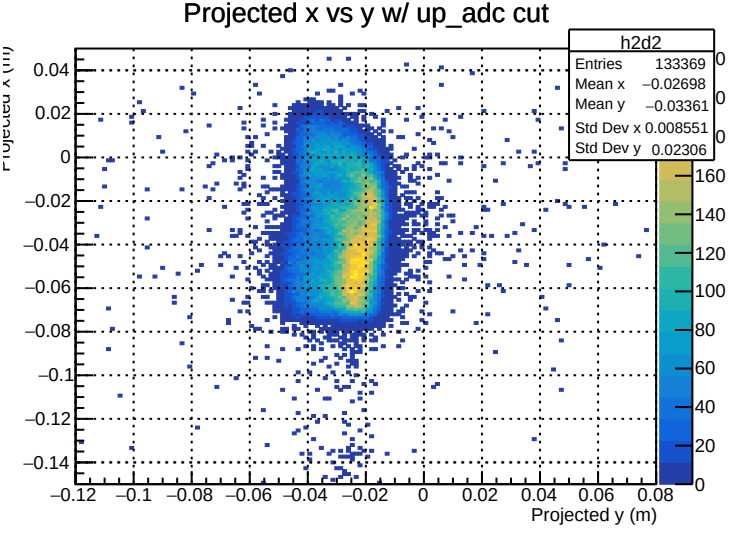

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 179240
Mean 0.006196
Std Dev 0.001321
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

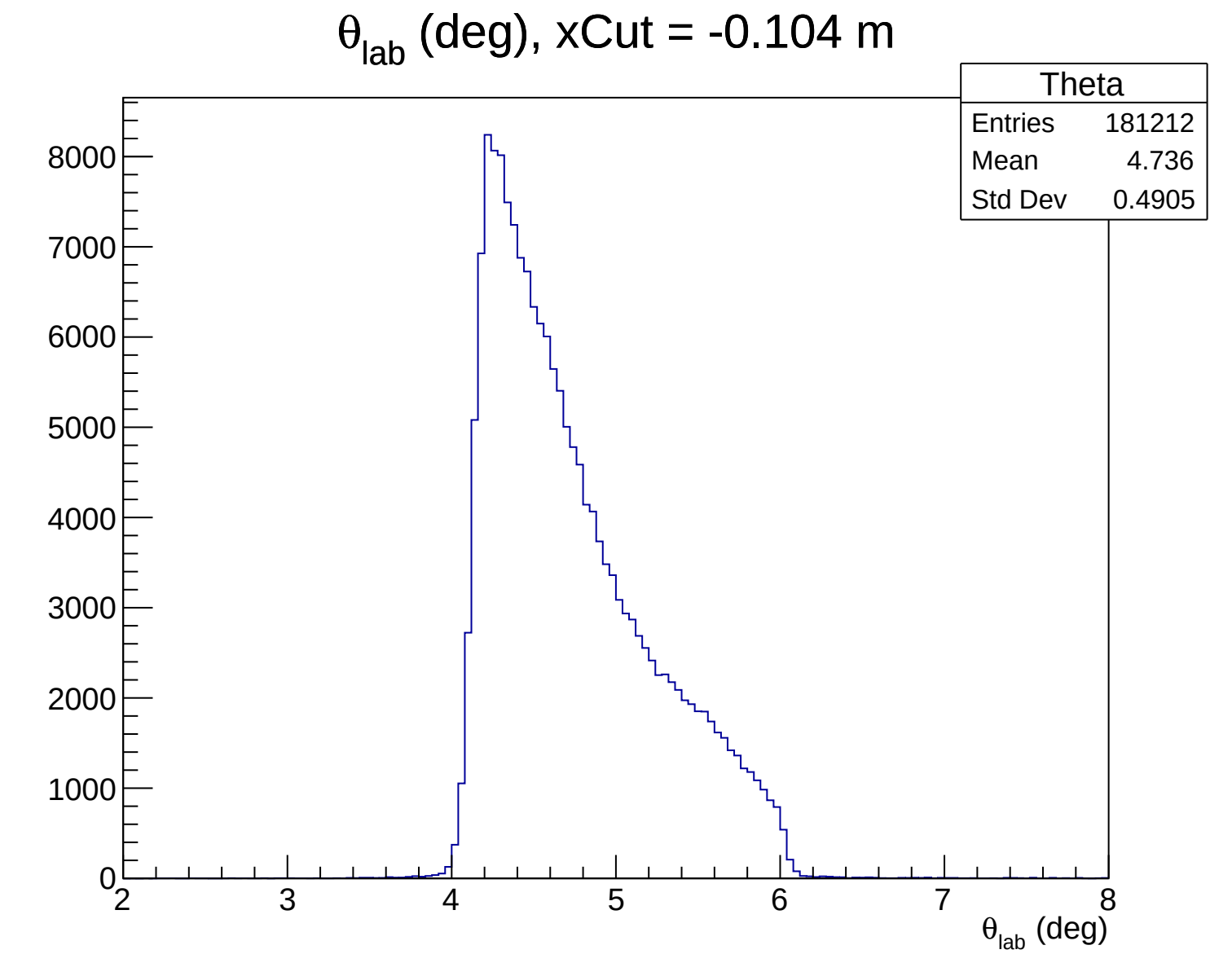

Sensitivity, xCut = -0.102 m
sens
Entries 179240
Mean 0.02173
Std Dev 0.004206
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

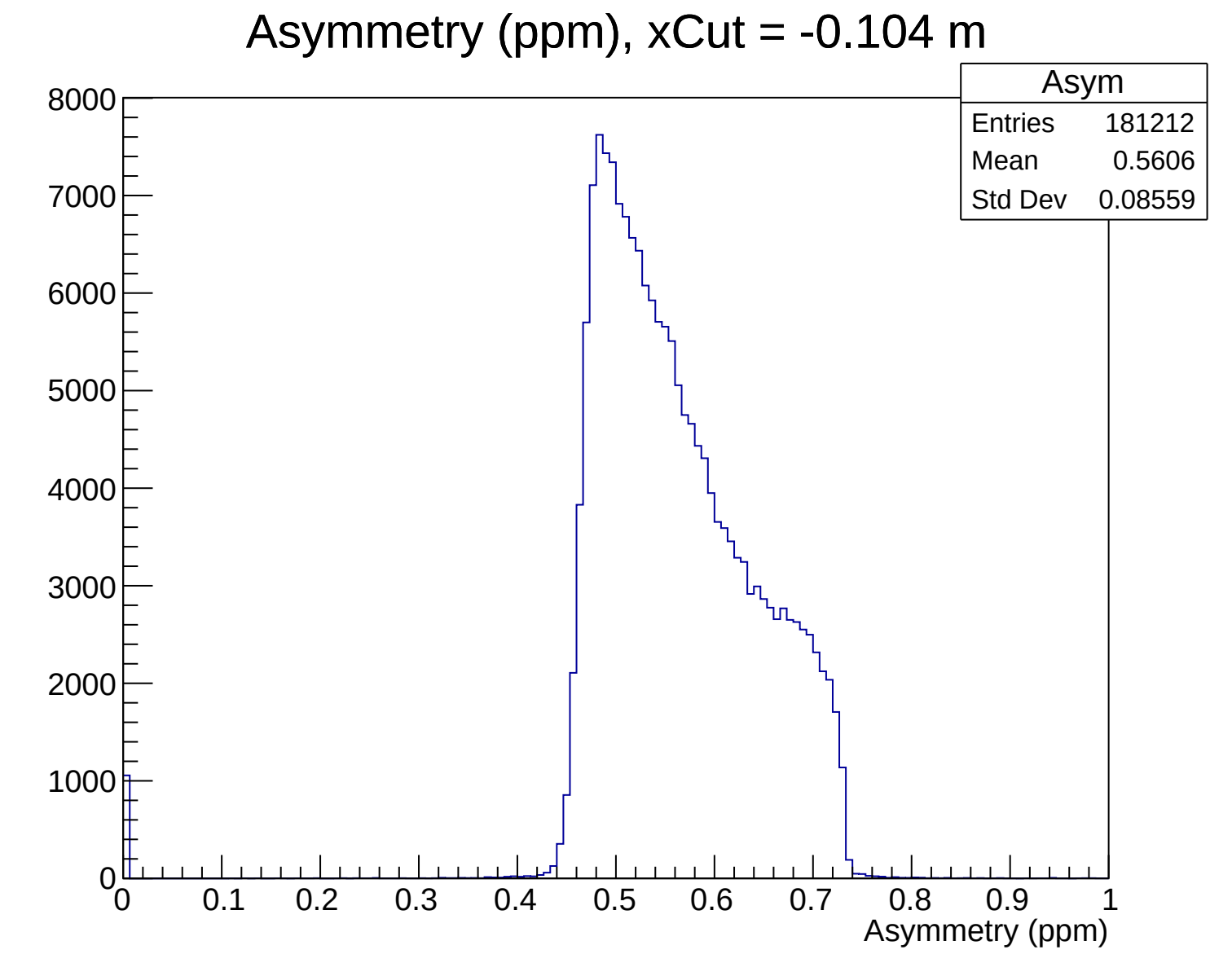

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

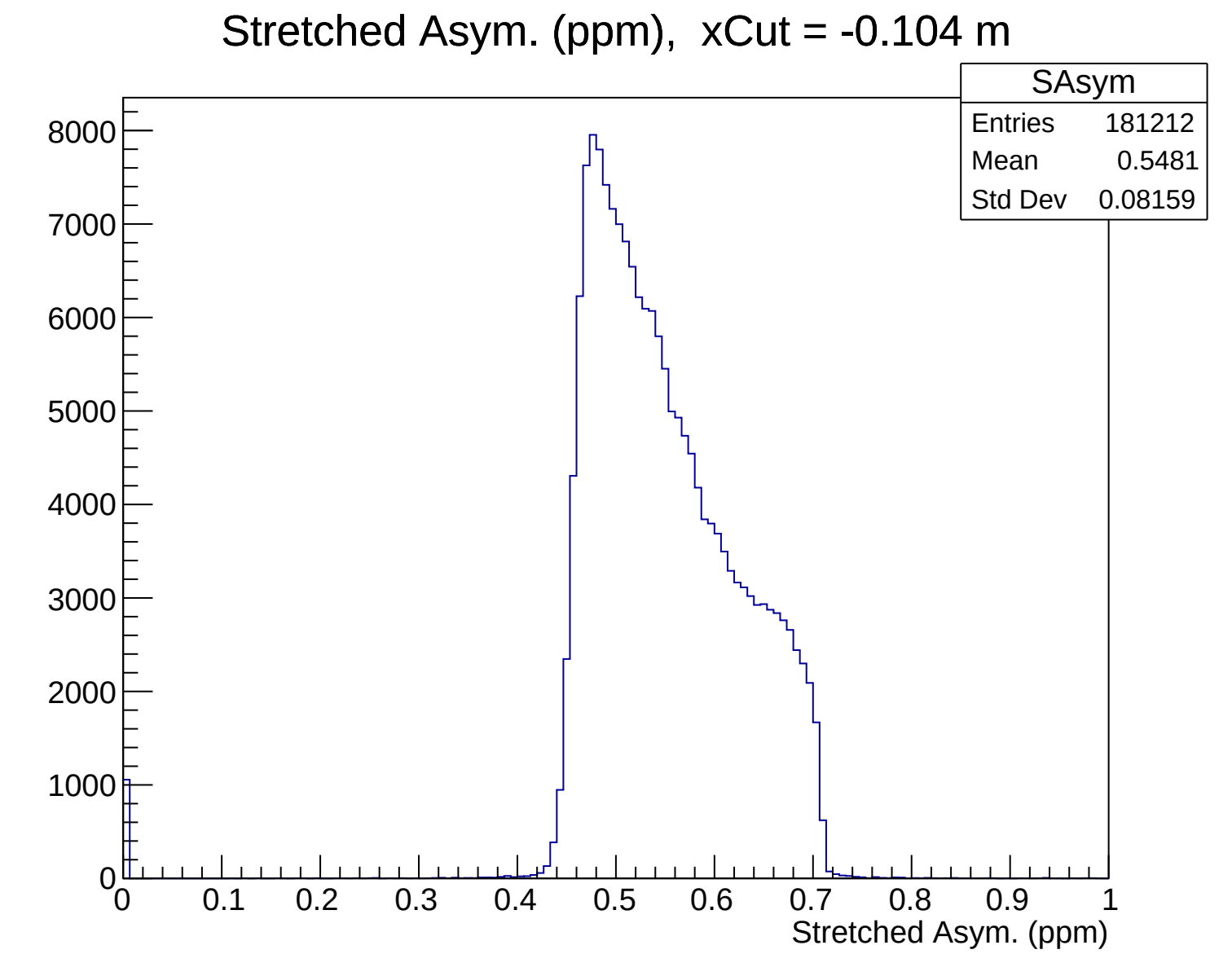

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

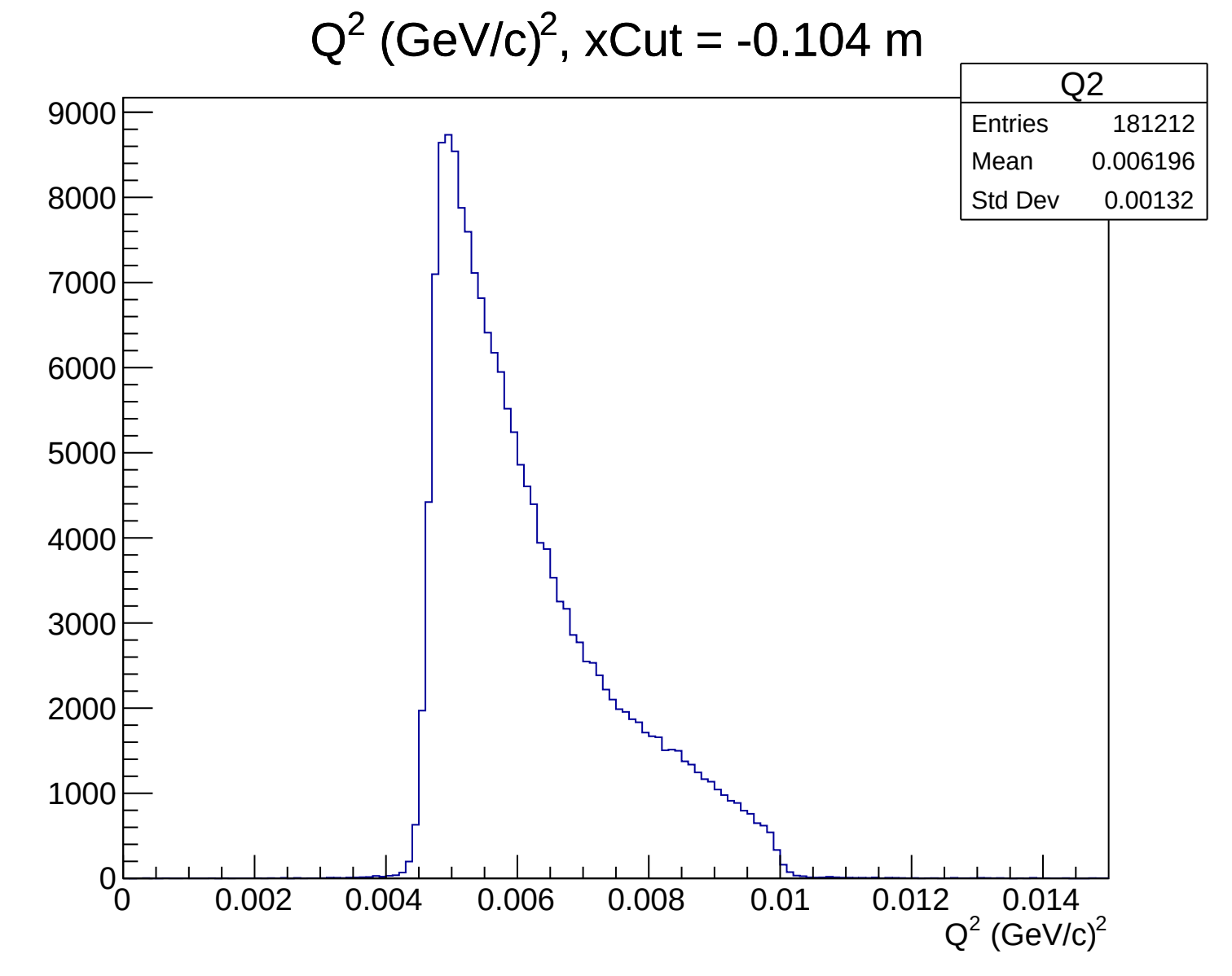

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

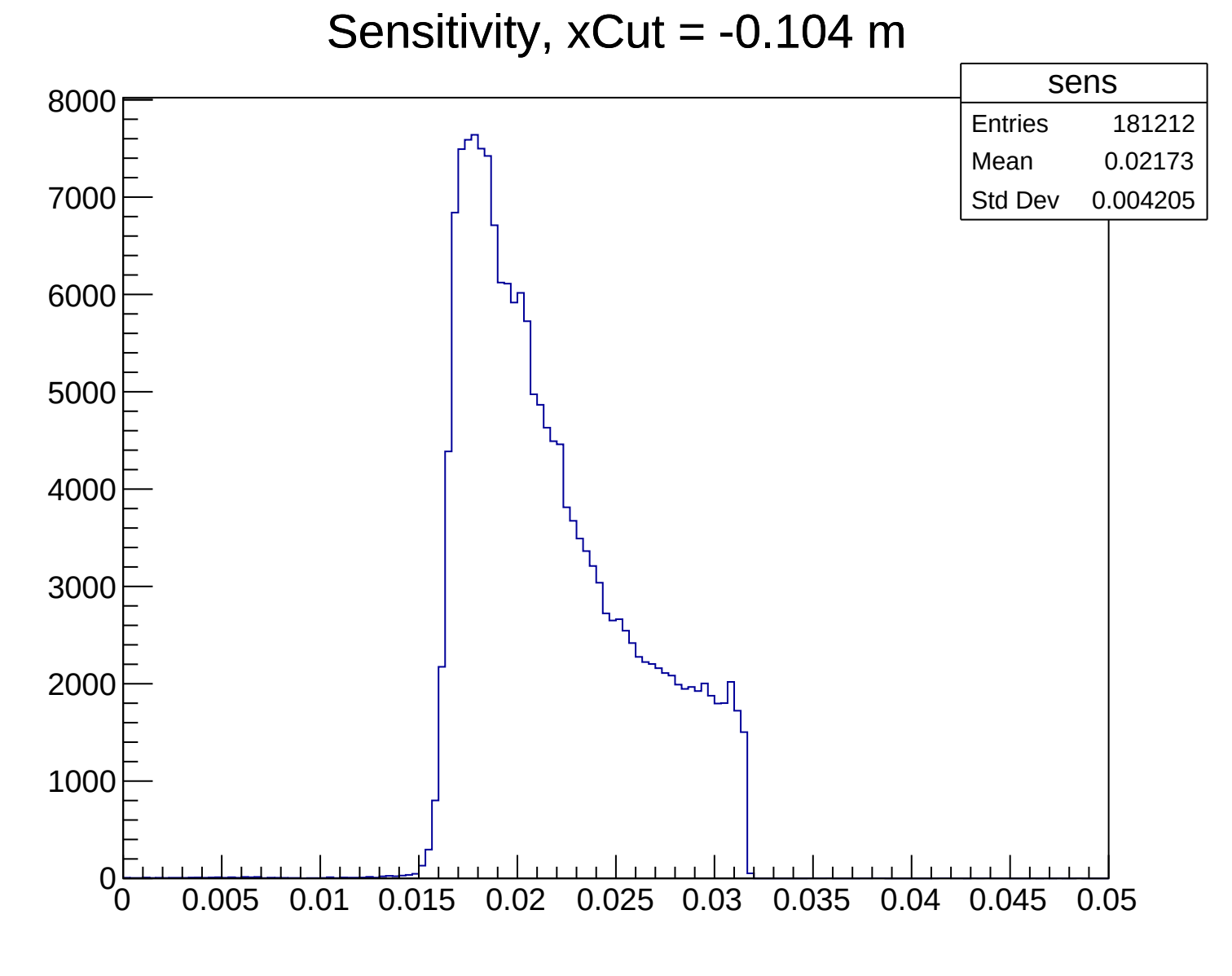

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

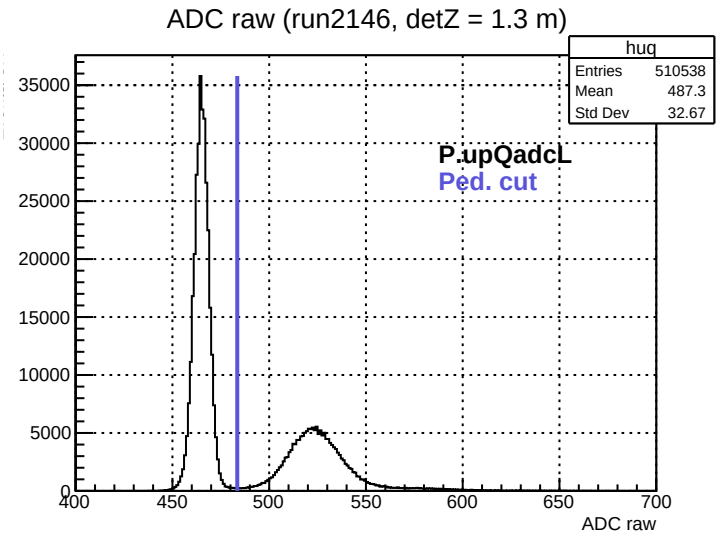

θlab (deg), xCut = -0.104 m
Theta
Entries 181212
Mean 4.736
Std Dev 0.4905
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

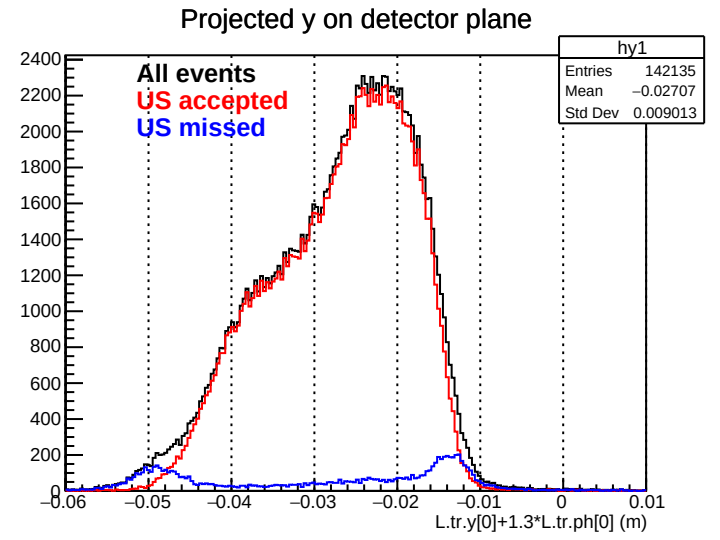

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 181212
Mean 0.5606
Std Dev 0.08559
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

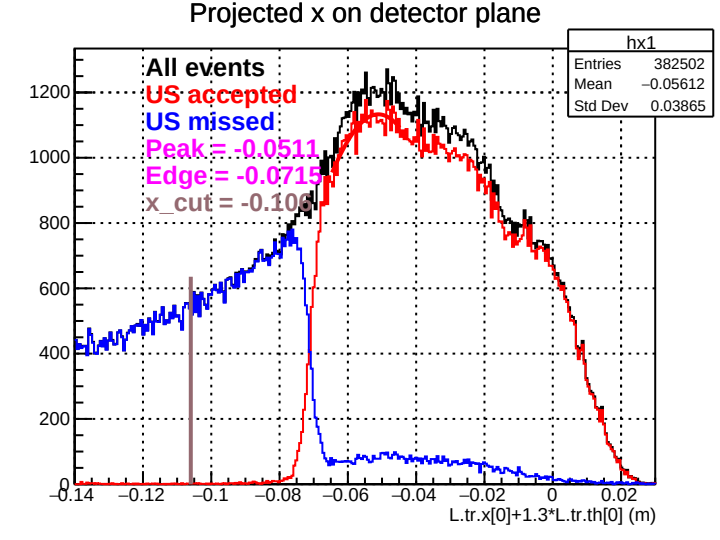

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 181212
Mean 0.5481
Std Dev 0.08159
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

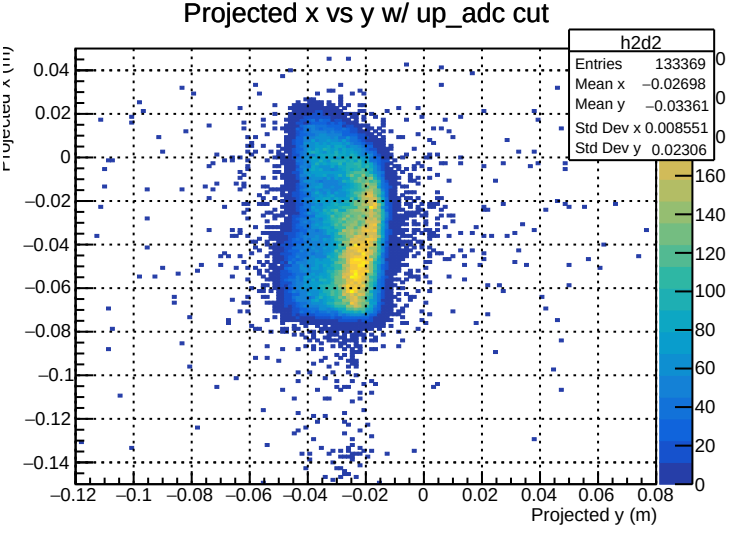

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 181212
Mean 0.006196
Std Dev 0.00132
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

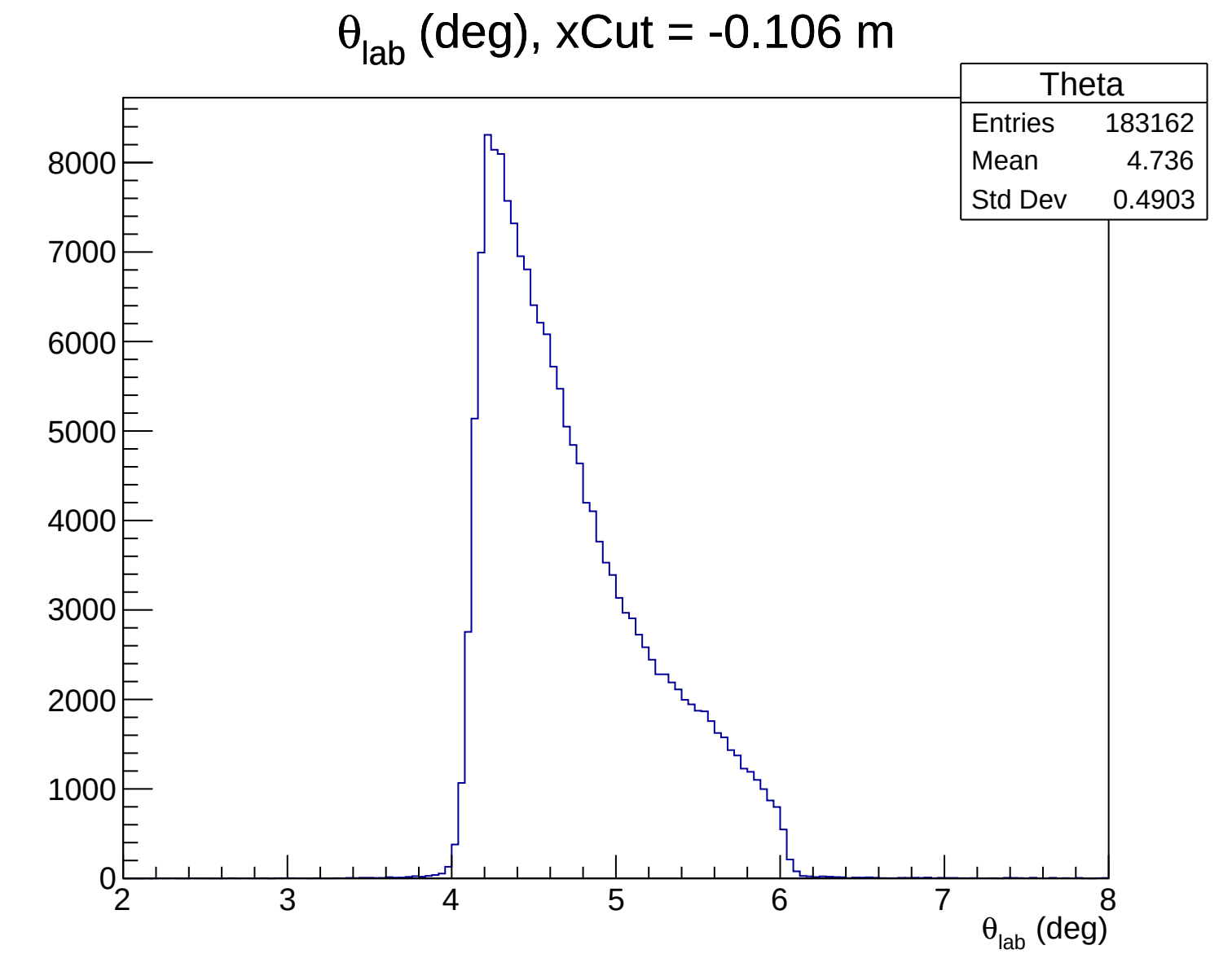

Sensitivity, xCut = -0.104 m
sens
Entries 181212
Mean 0.02173
Std Dev 0.004205
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

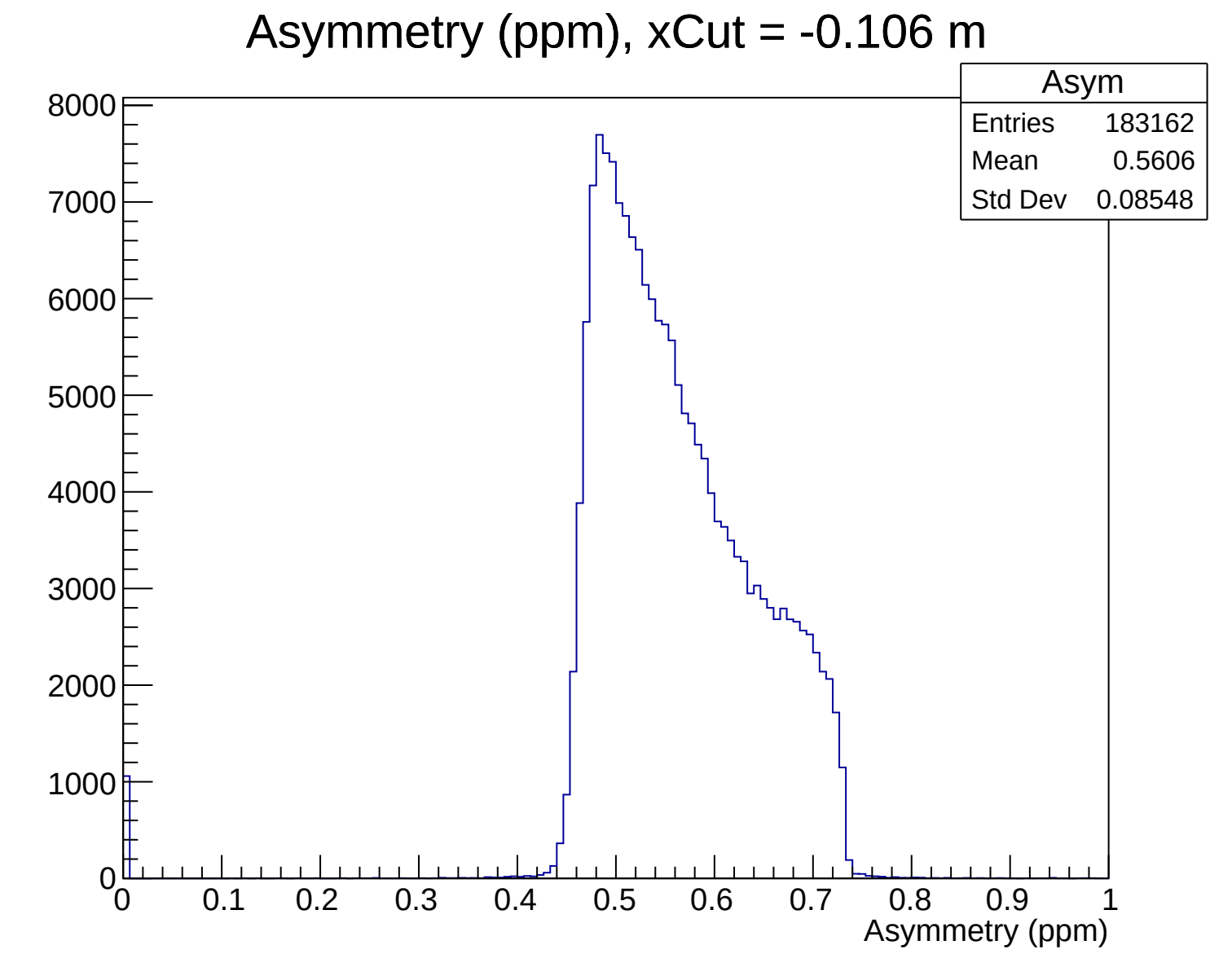

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

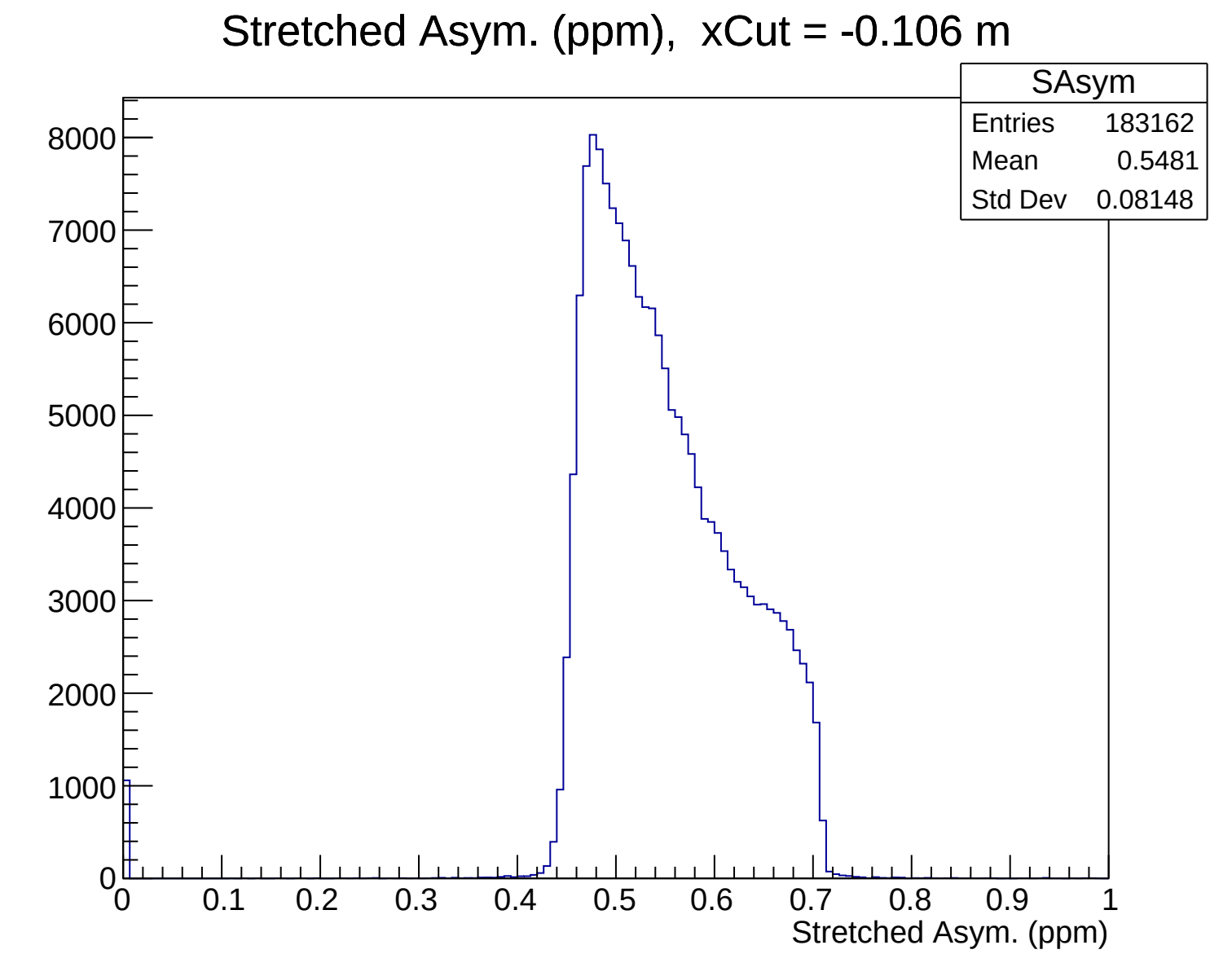

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

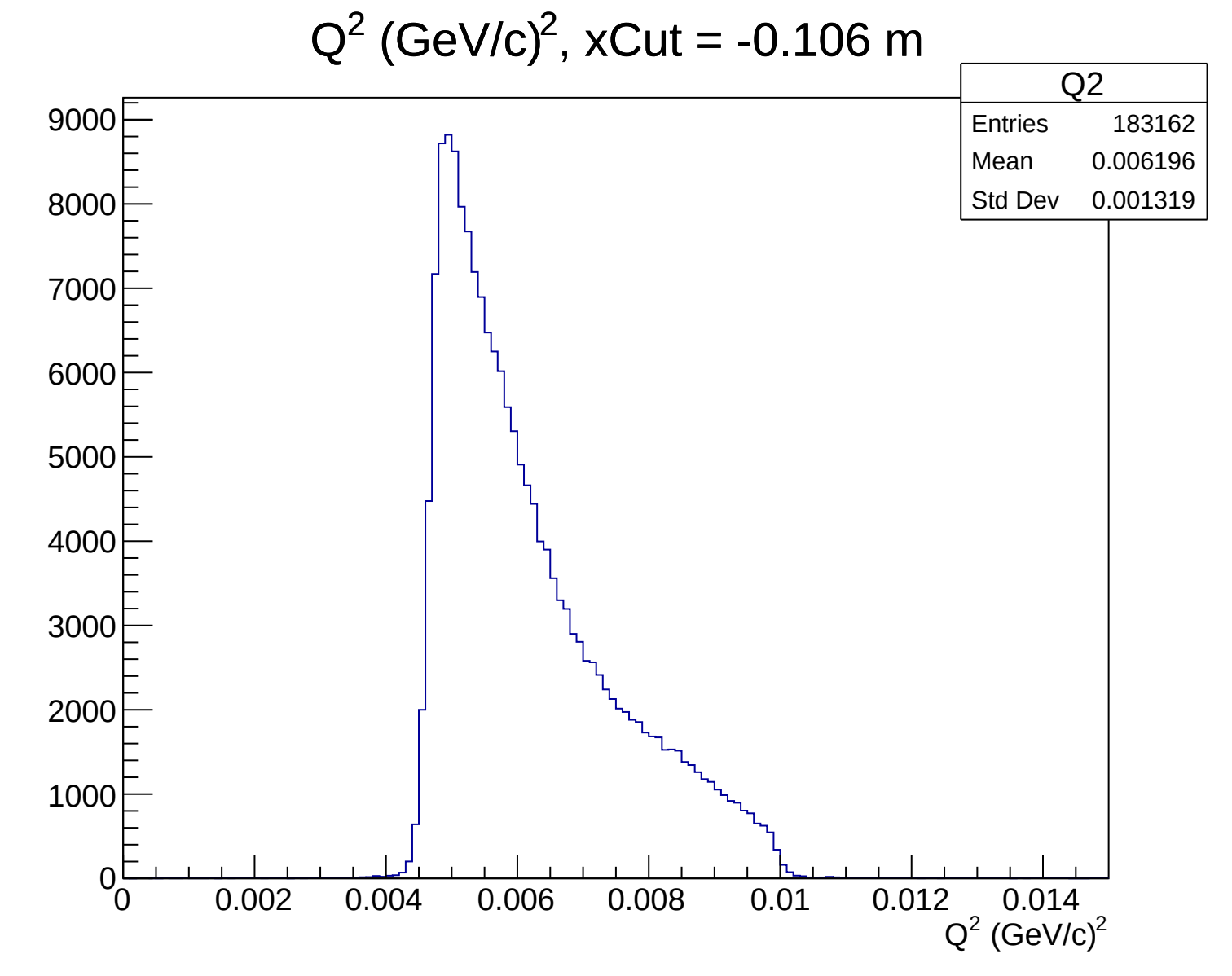

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.106
L.tr.x[0]+1.3*L.tr.th[0] (m)

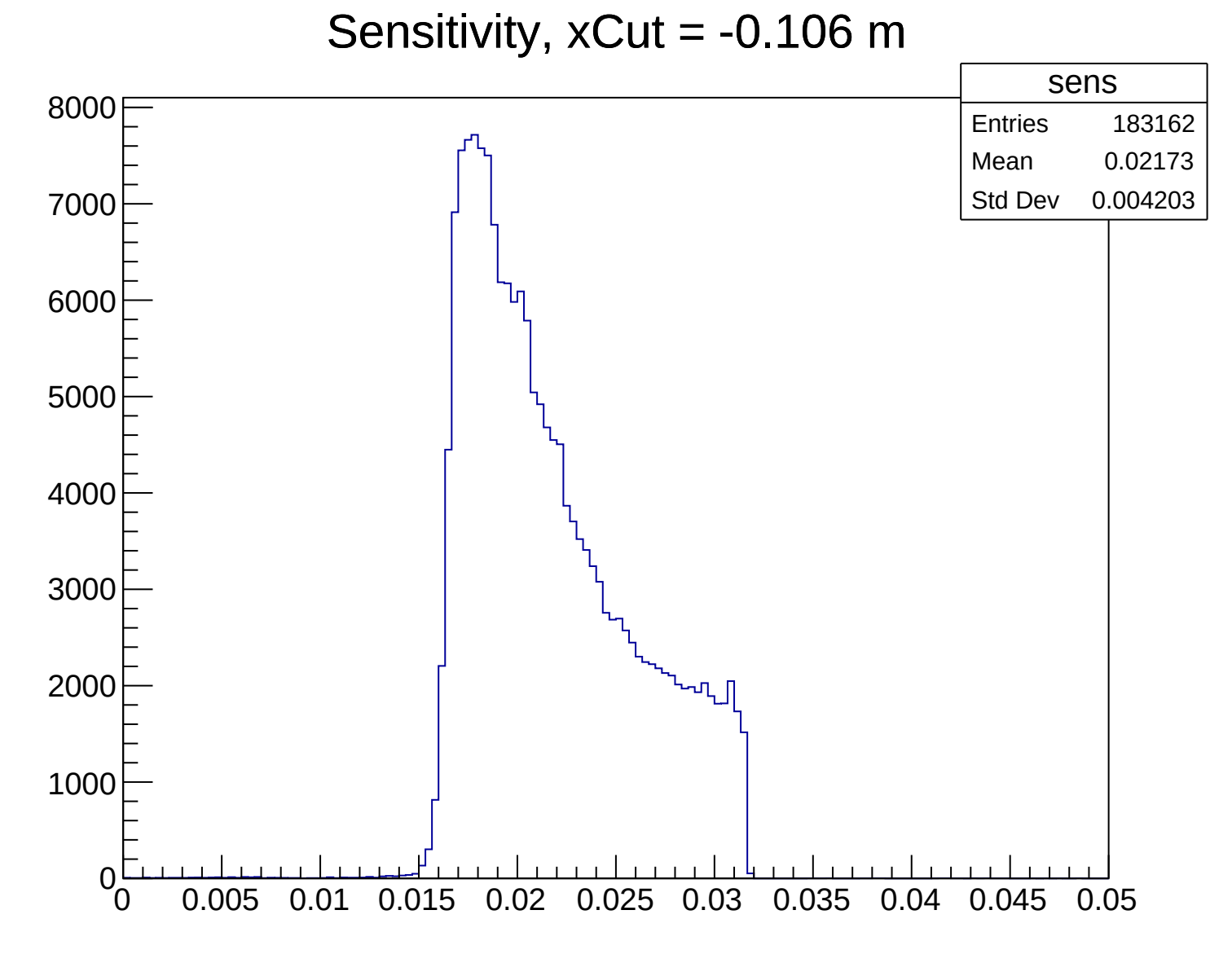

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

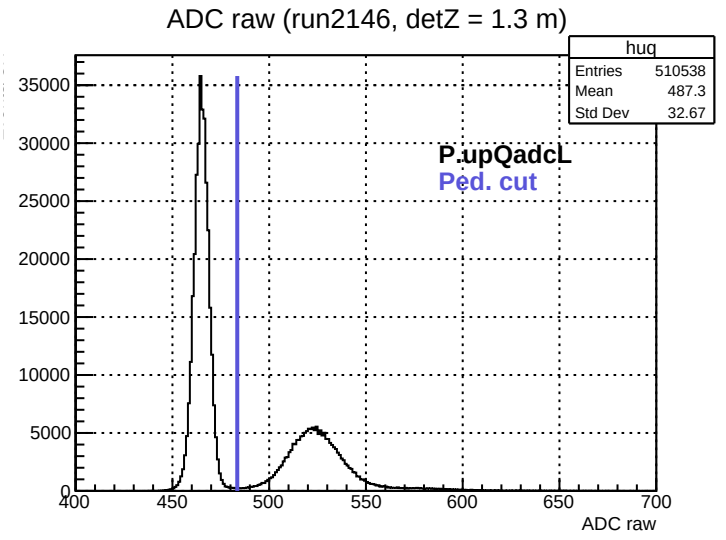

θlab (deg), xCut = -0.106 m
Theta
Entries 183162
Mean 4.736
Std Dev 0.4903
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

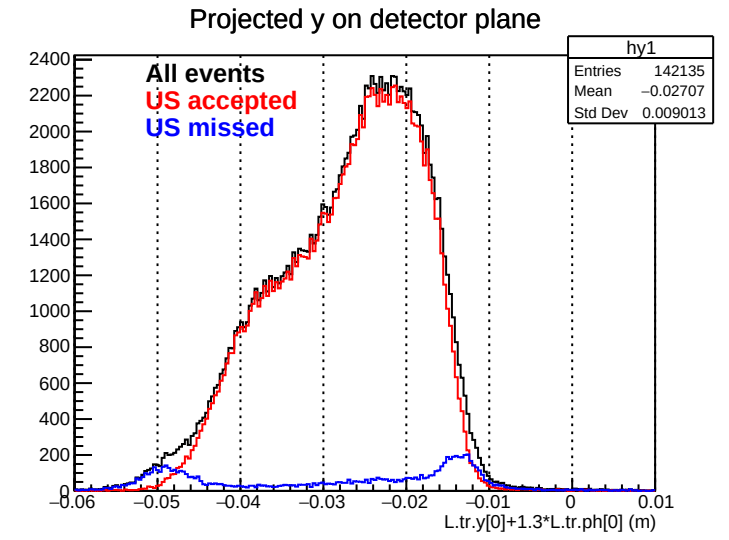

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 183162
Mean 0.5606
Std Dev 0.08548
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

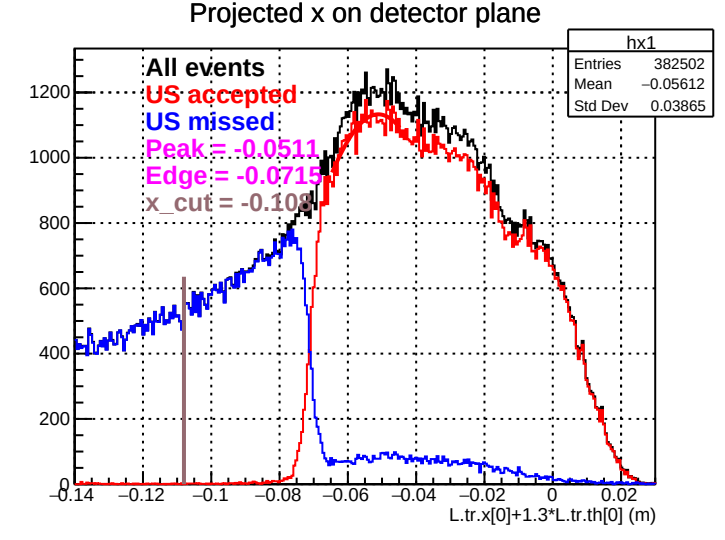

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 183162
Mean 0.5481
Std Dev 0.08148
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

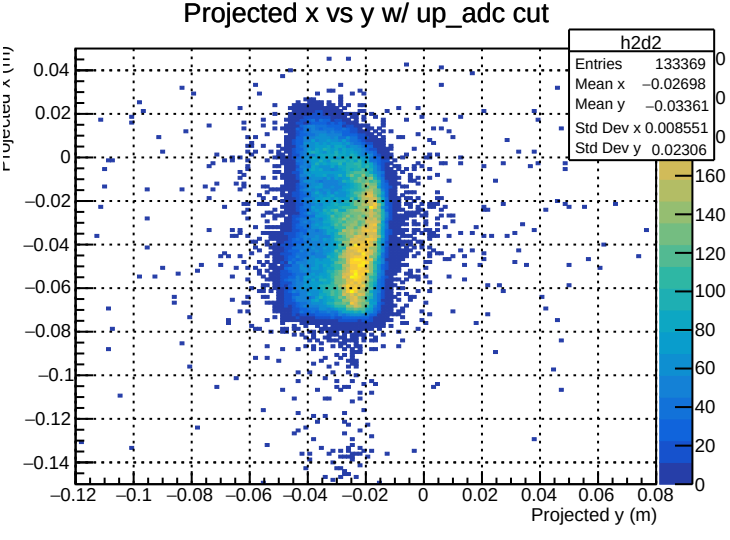

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 183162
Mean 0.006196
Std Dev 0.001319
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

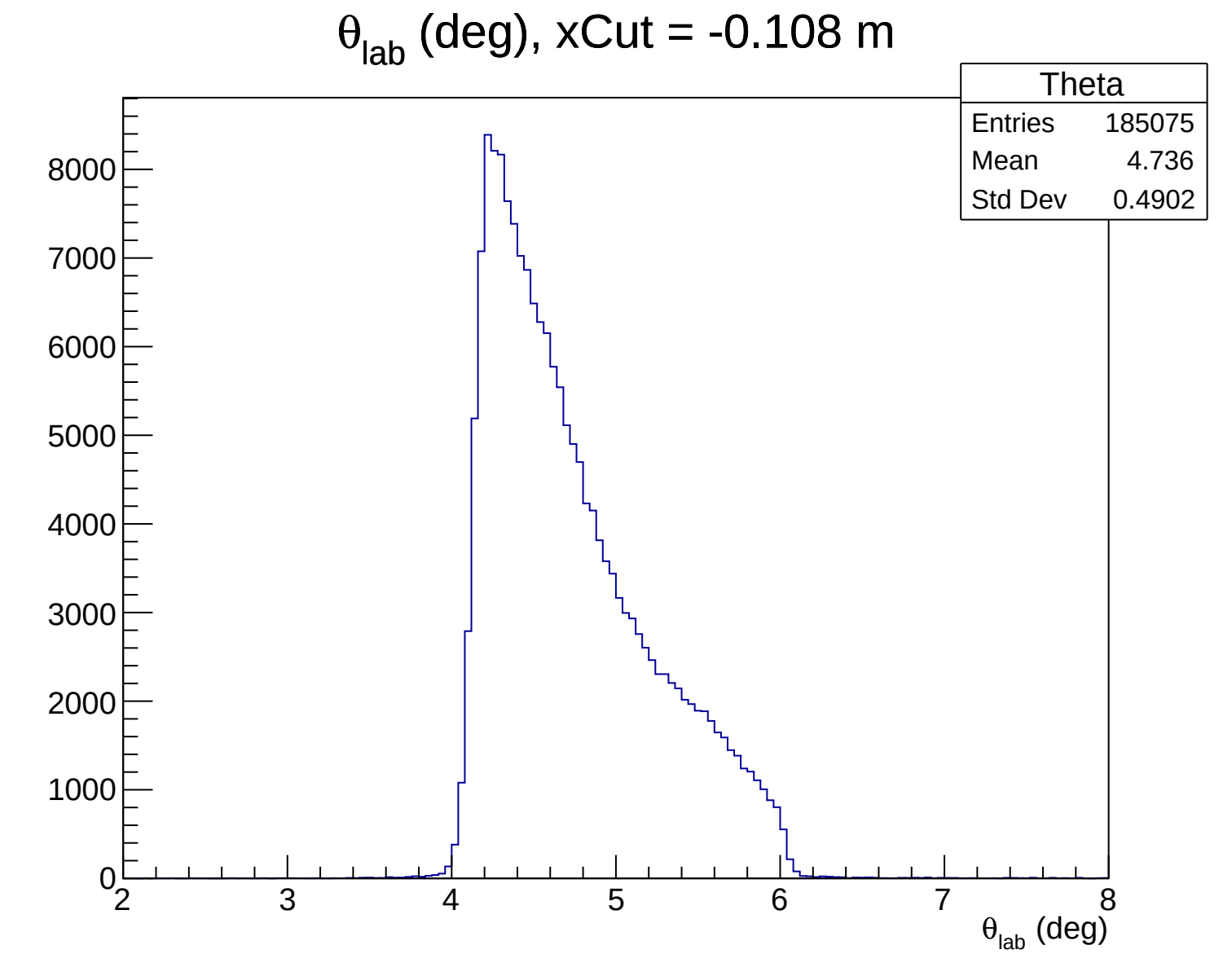

Sensitivity, xCut = -0.106 m
sens
Entries 183162
Mean 0.02173
Std Dev 0.004203
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

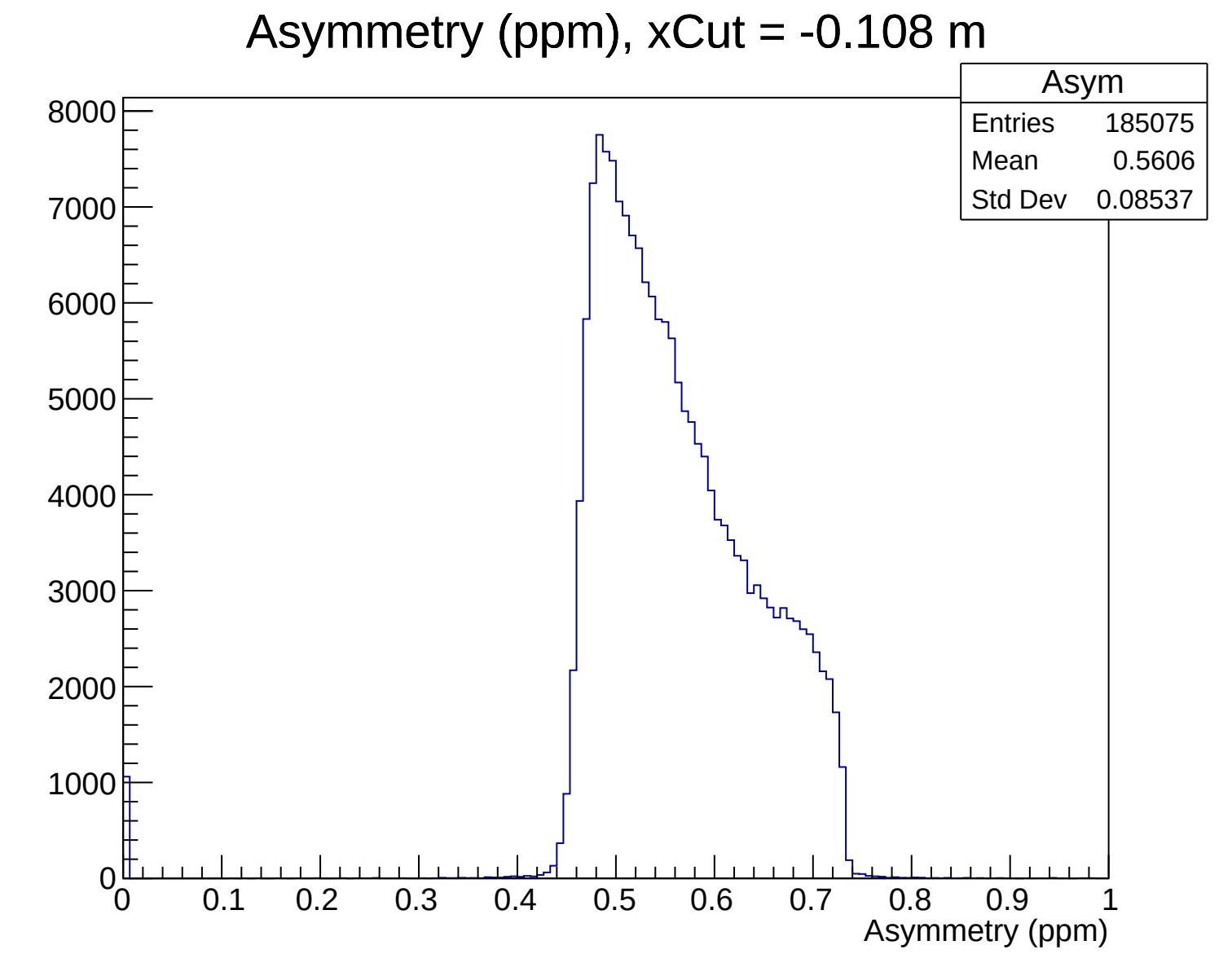

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

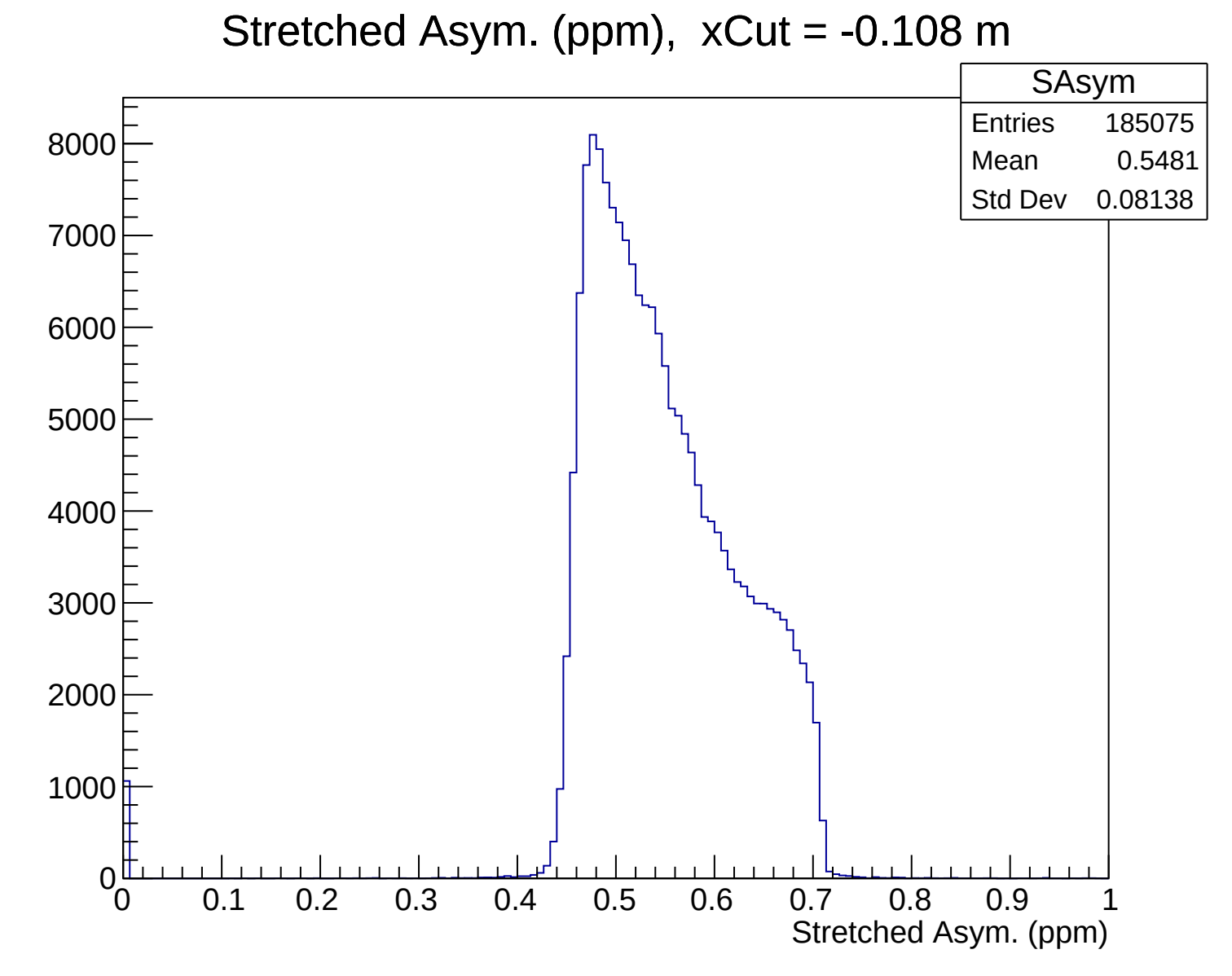

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

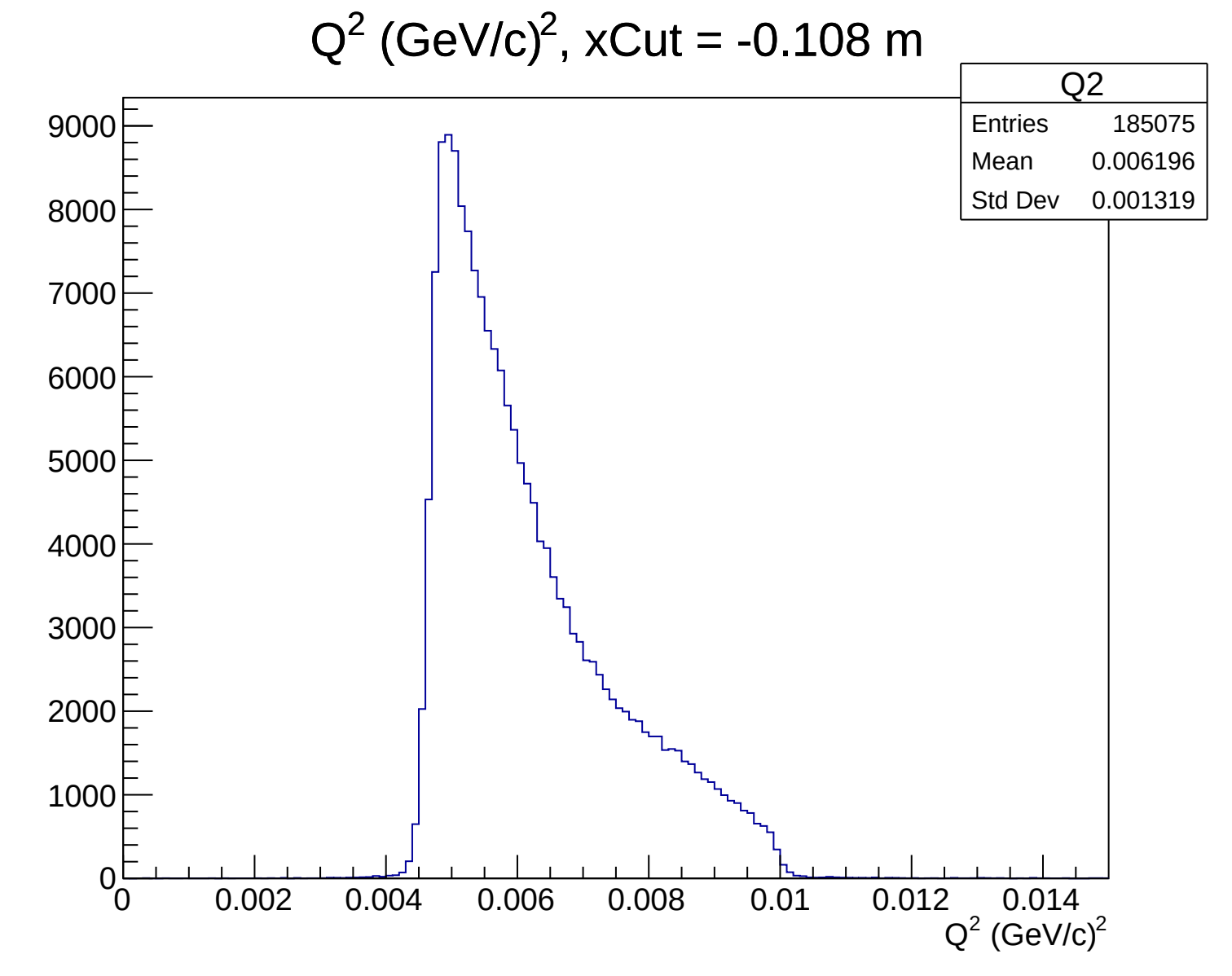

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.108
L.tr.x[0]+1.3*L.tr.th[0] (m)

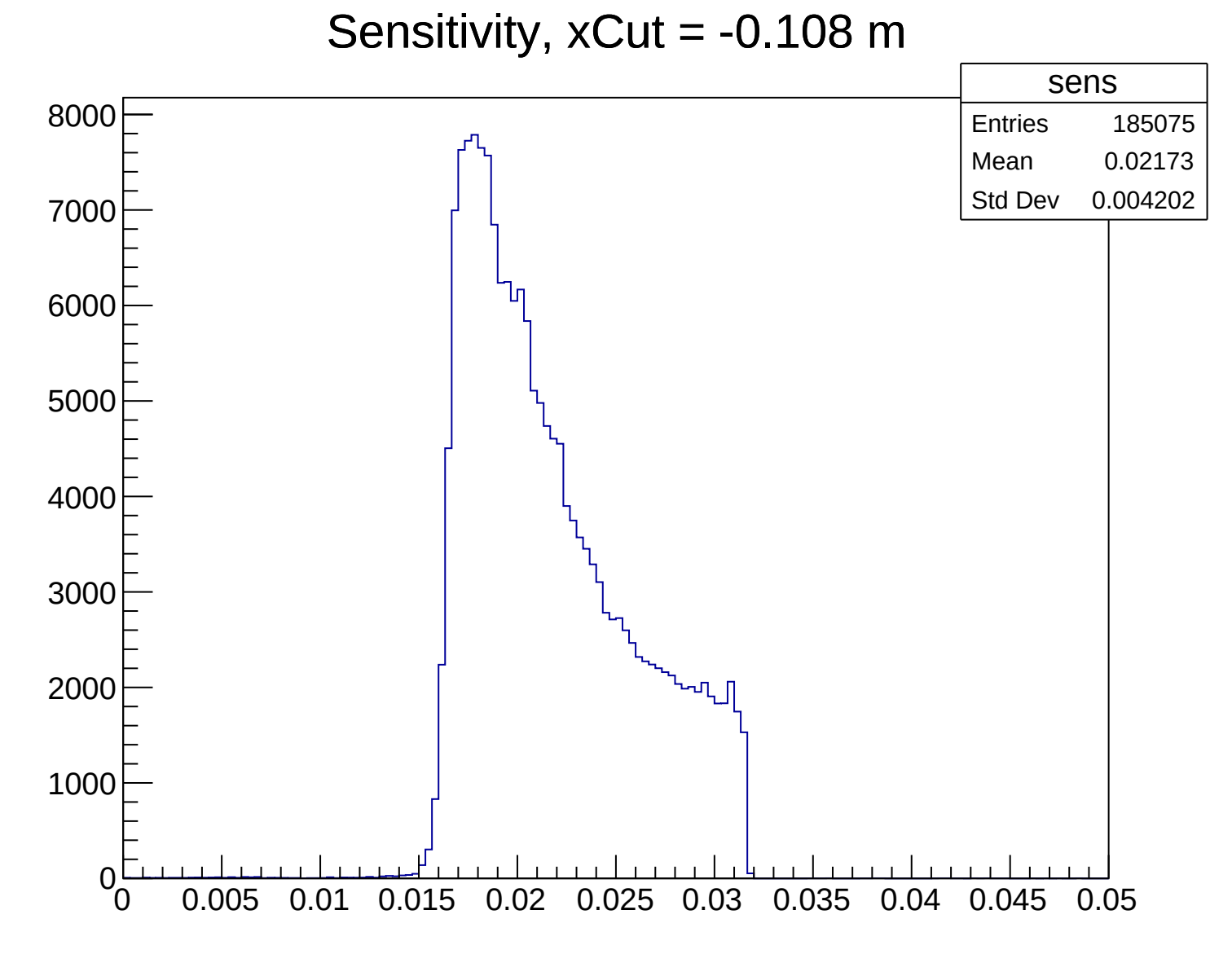

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

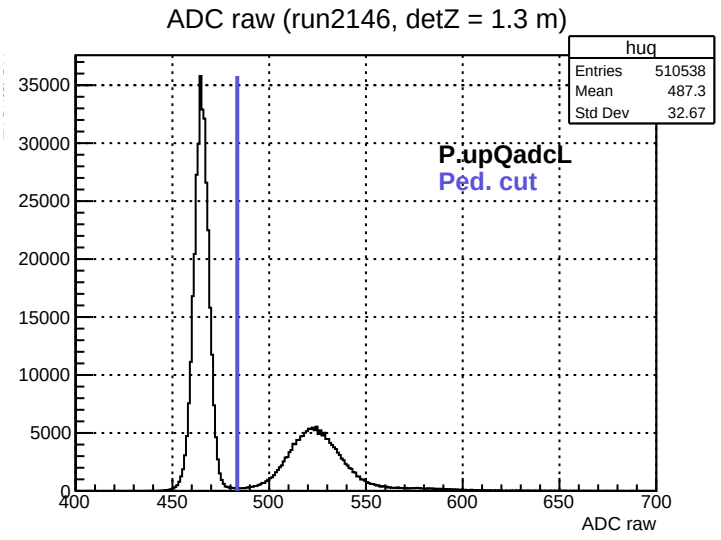

θlab (deg), xCut = -0.108 m
Theta
Entries 185075
Mean 4.736
Std Dev 0.4902
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

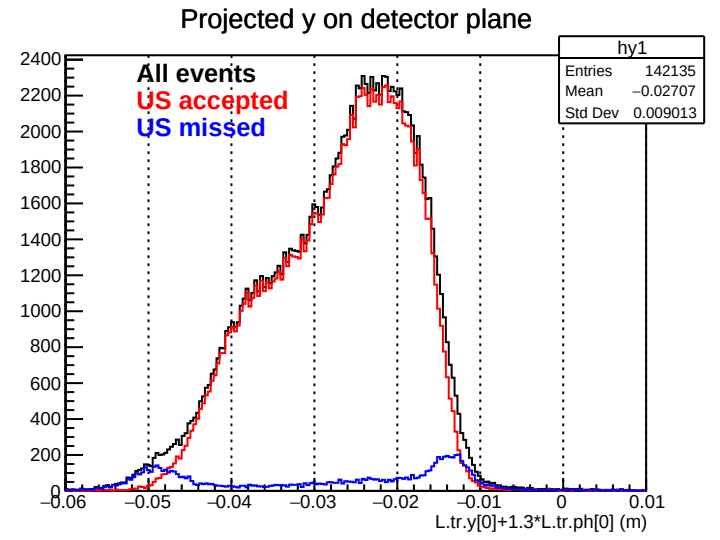

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 185075
Mean 0.5606
Std Dev 0.08537
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

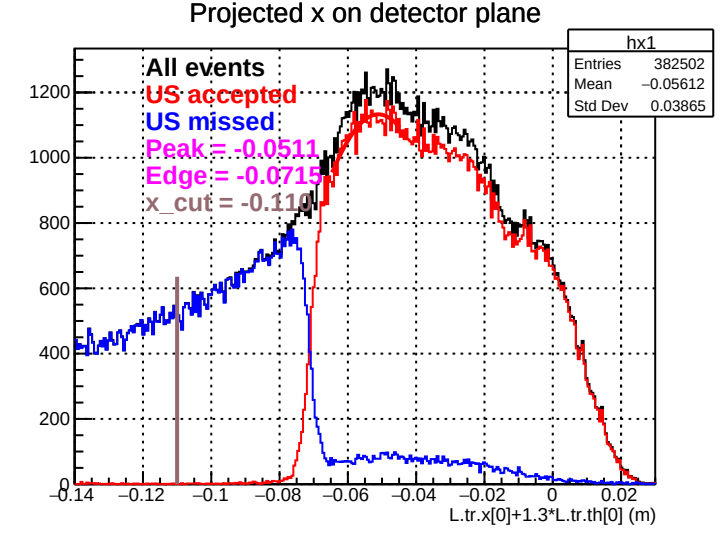

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 185075
Mean 0.5481
Std Dev 0.08138
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

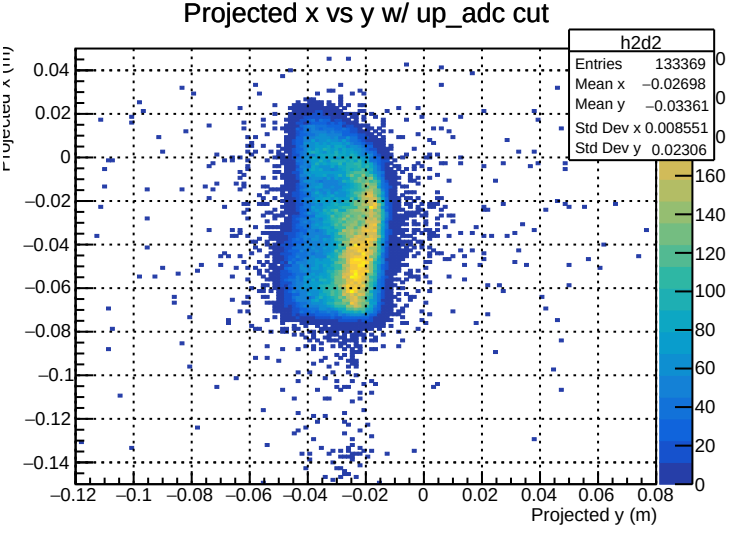

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 185075
Mean 0.006196
Std Dev 0.001319
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

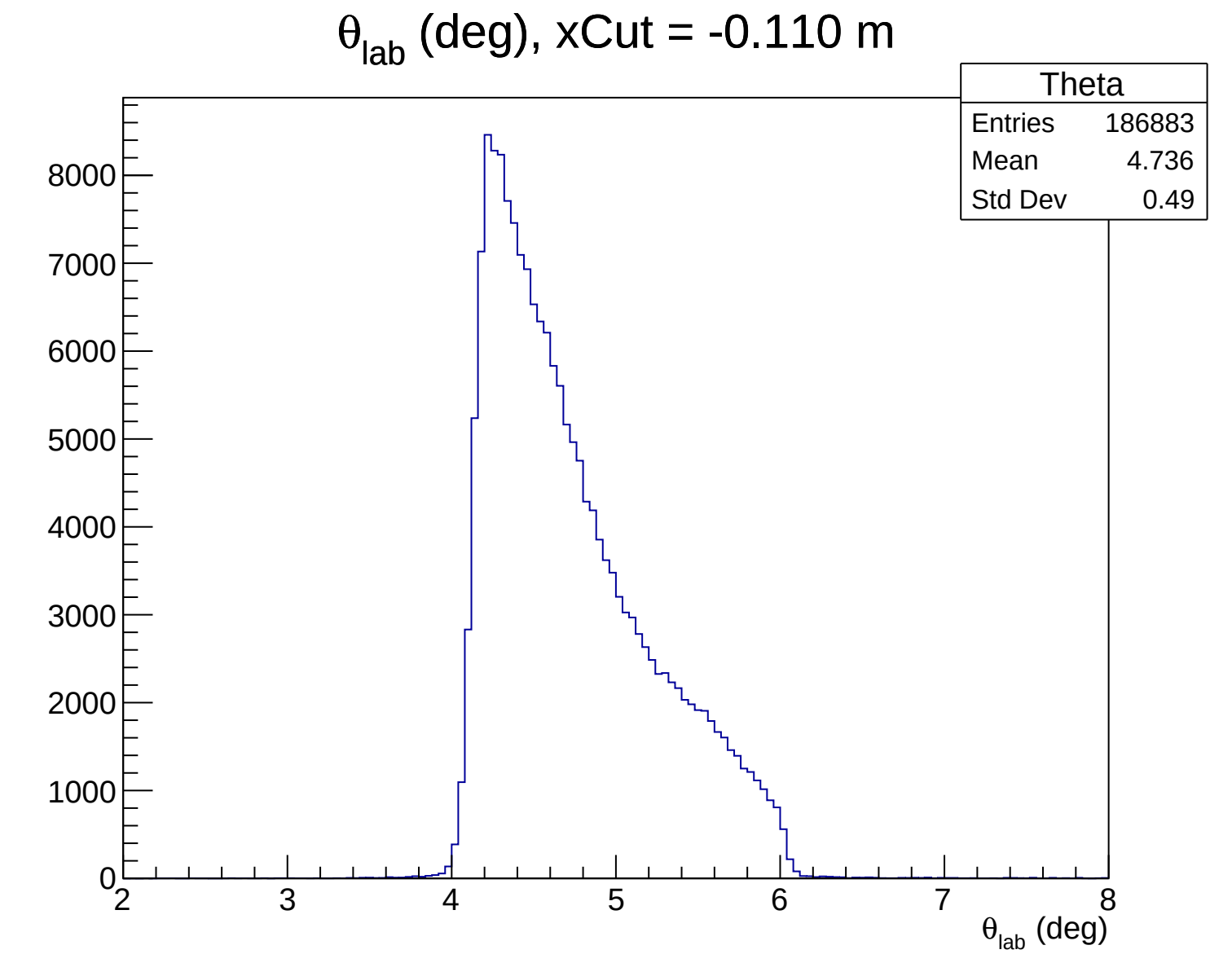

Sensitivity, xCut = -0.108 m
sens
Entries 185075
Mean 0.02173
Std Dev 0.004202
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

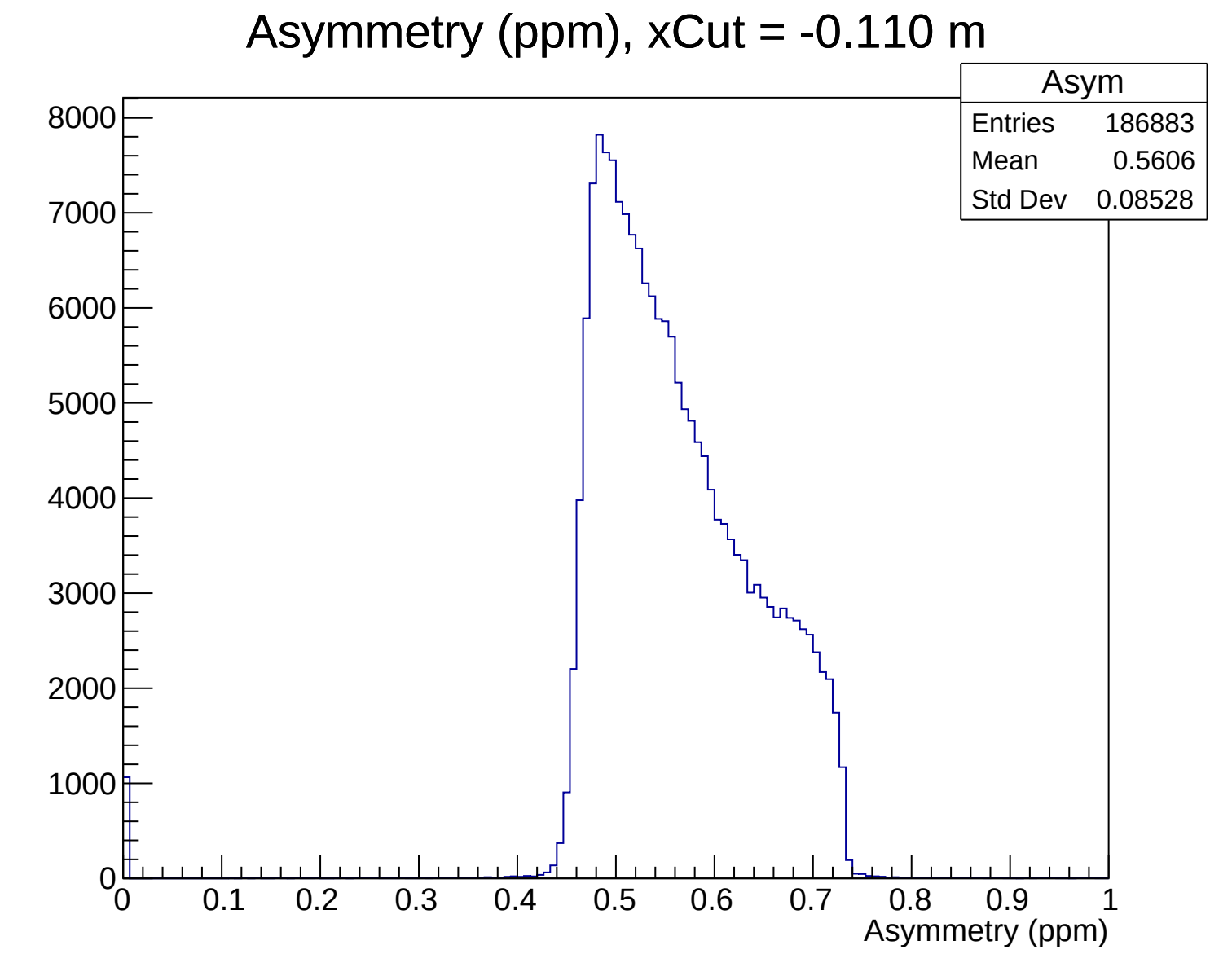

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

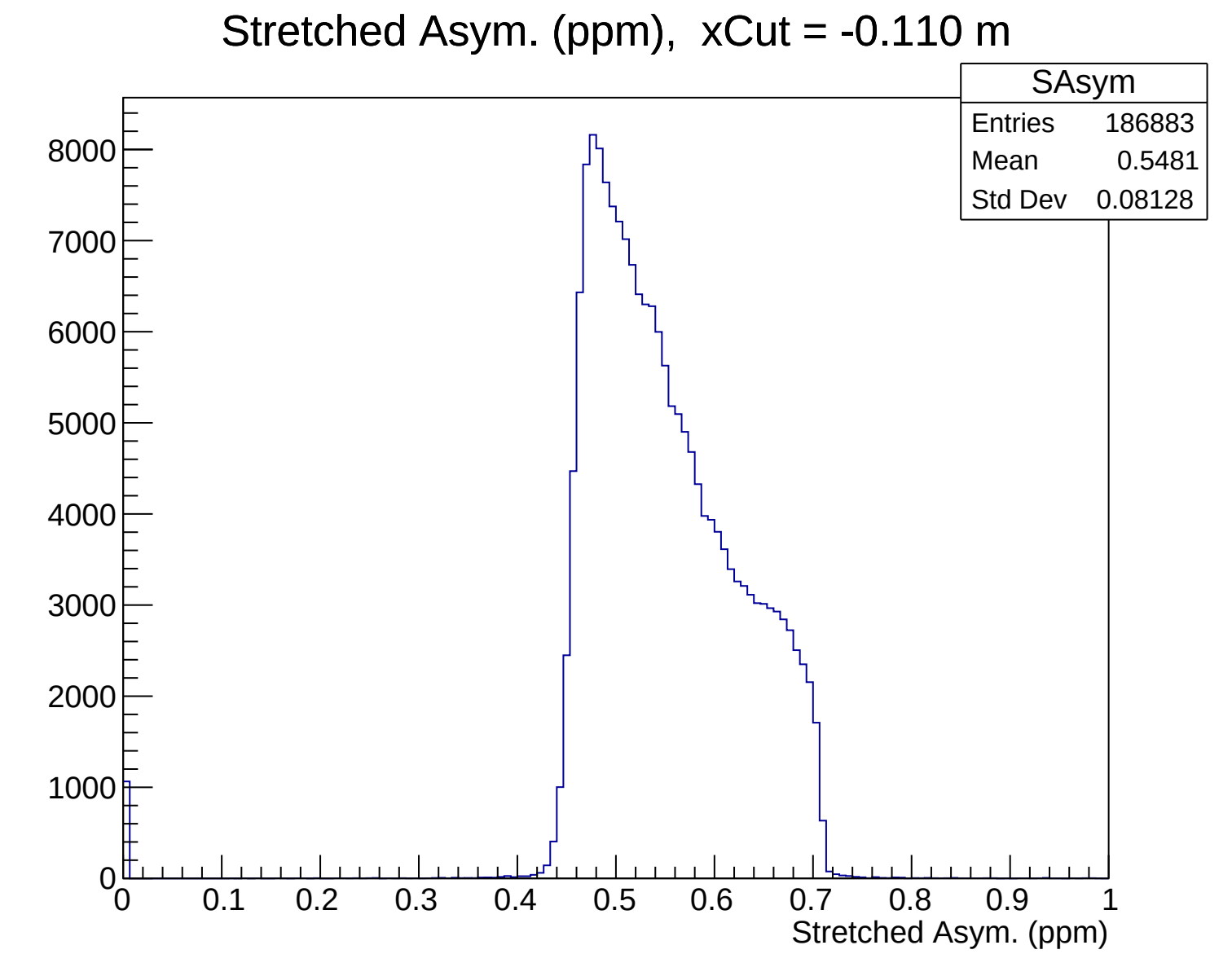

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

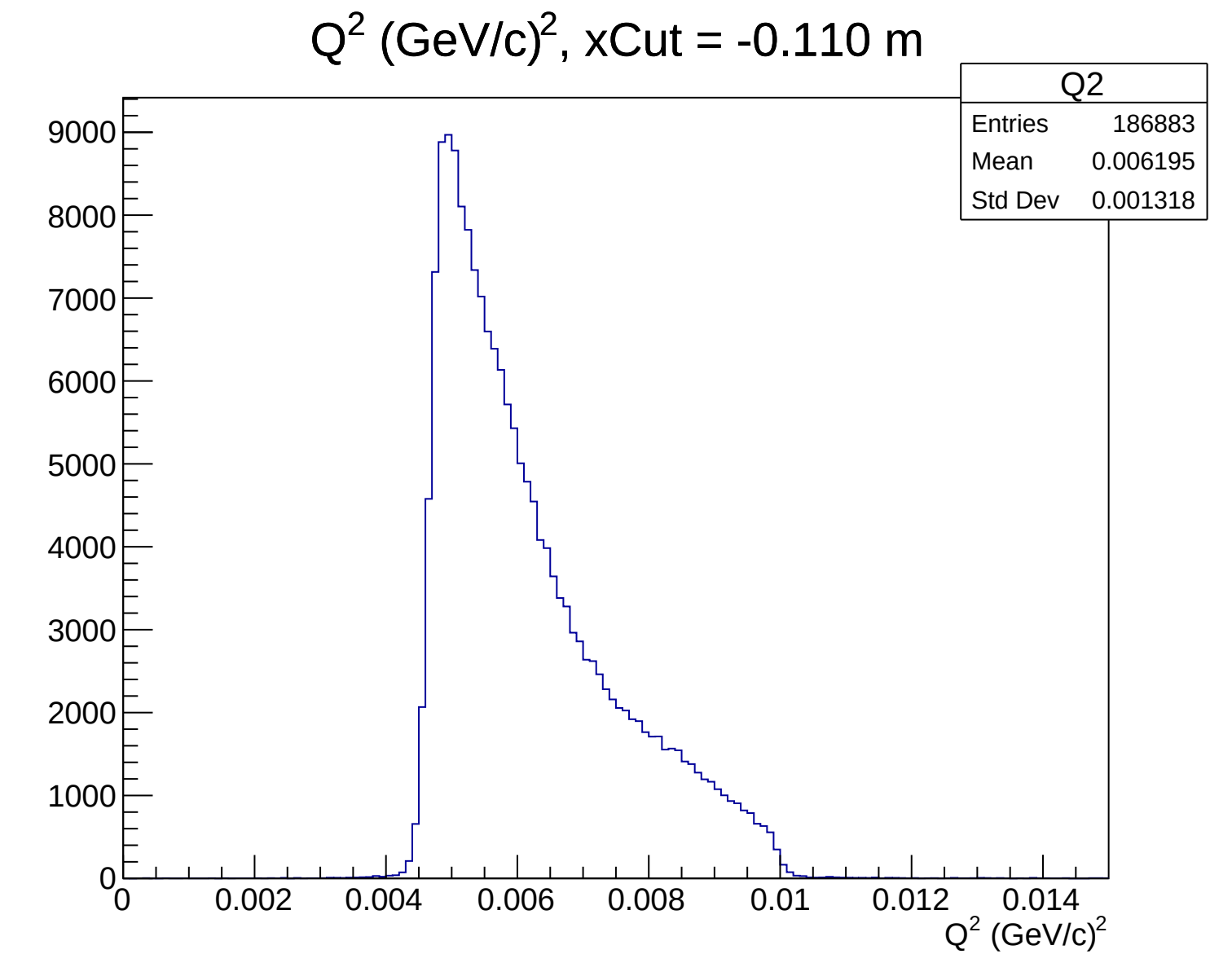

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.110
L.tr.x[0]+1.3*L.tr.th[0] (m)

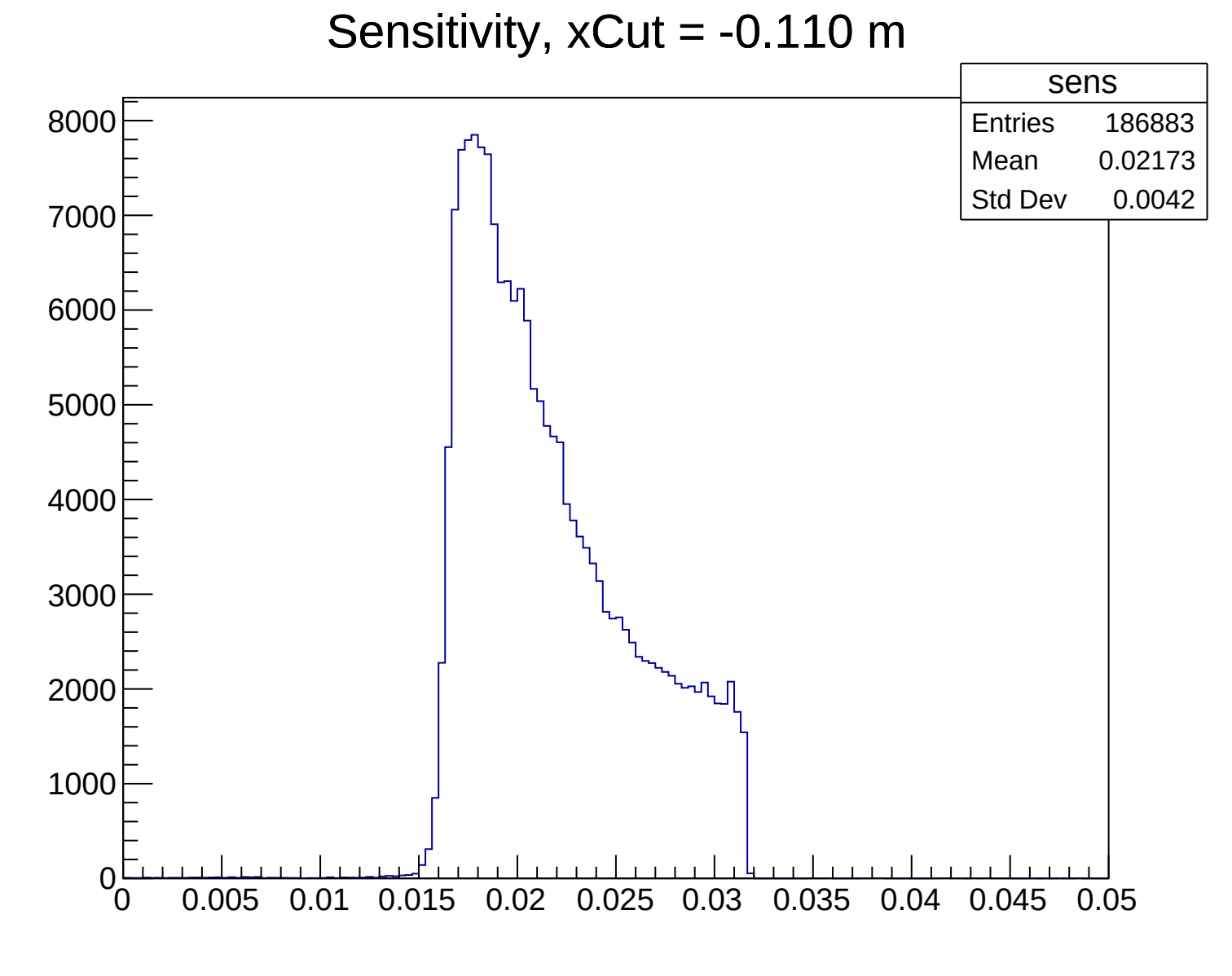

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

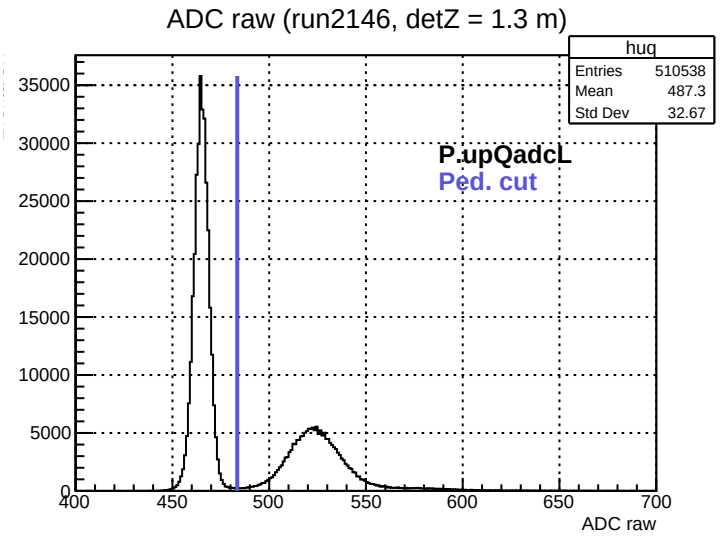

θlab (deg), xCut = -0.110 m
Theta
Entries 186883
Mean 4.736
Std Dev 0.49
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

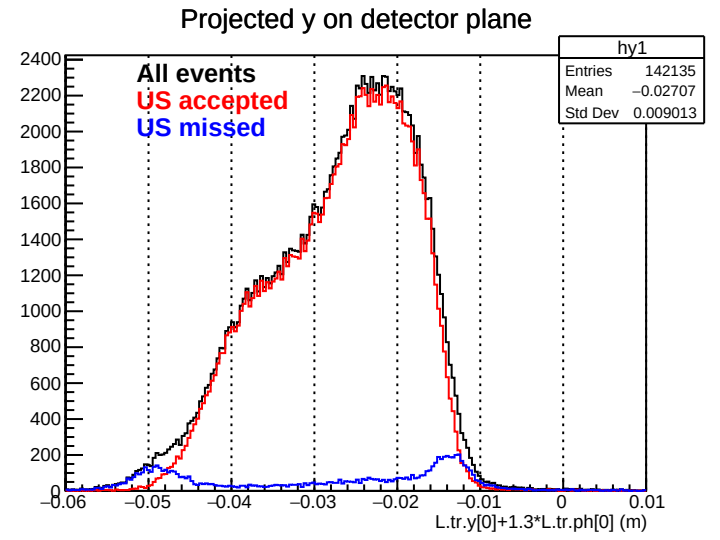

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 186883
Mean 0.5606
Std Dev 0.08528
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

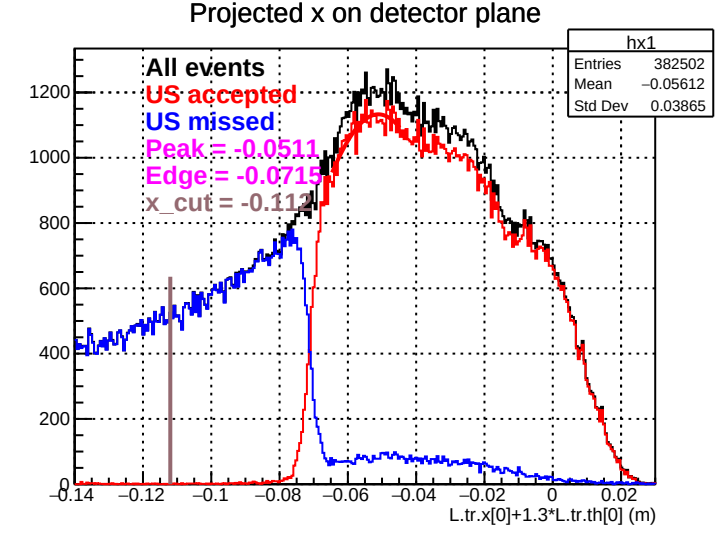

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 186883
Mean 0.5481
Std Dev 0.08128
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

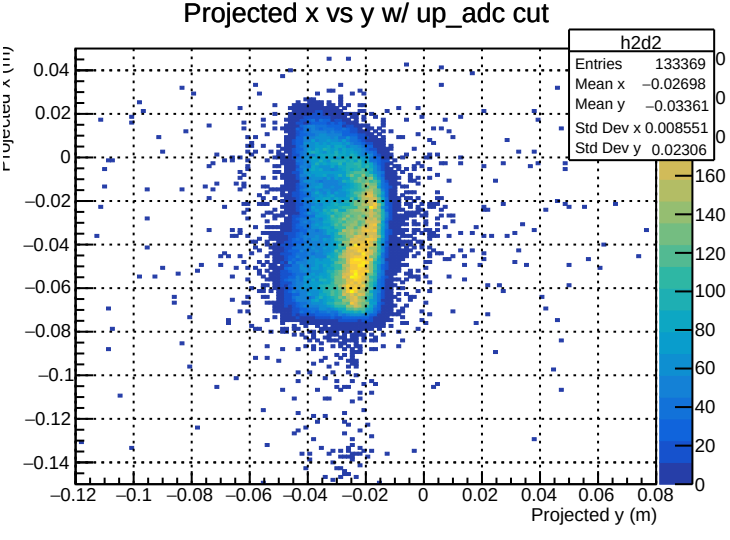

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 186883
Mean 0.006195
Std Dev 0.001318
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

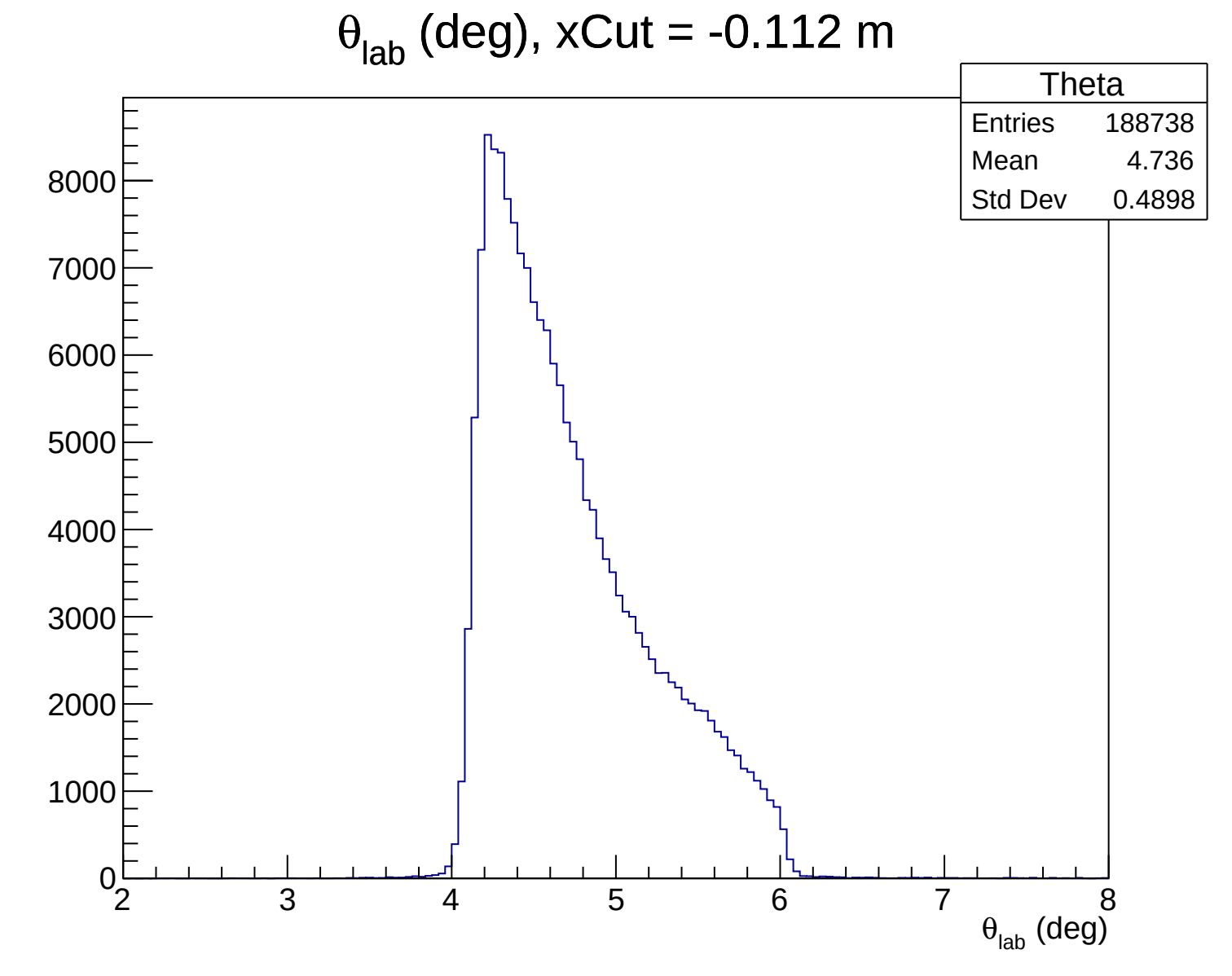

Sensitivity, xCut = -0.110 m
sens
Entries 186883
Mean 0.02173
Std Dev 0.0042
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

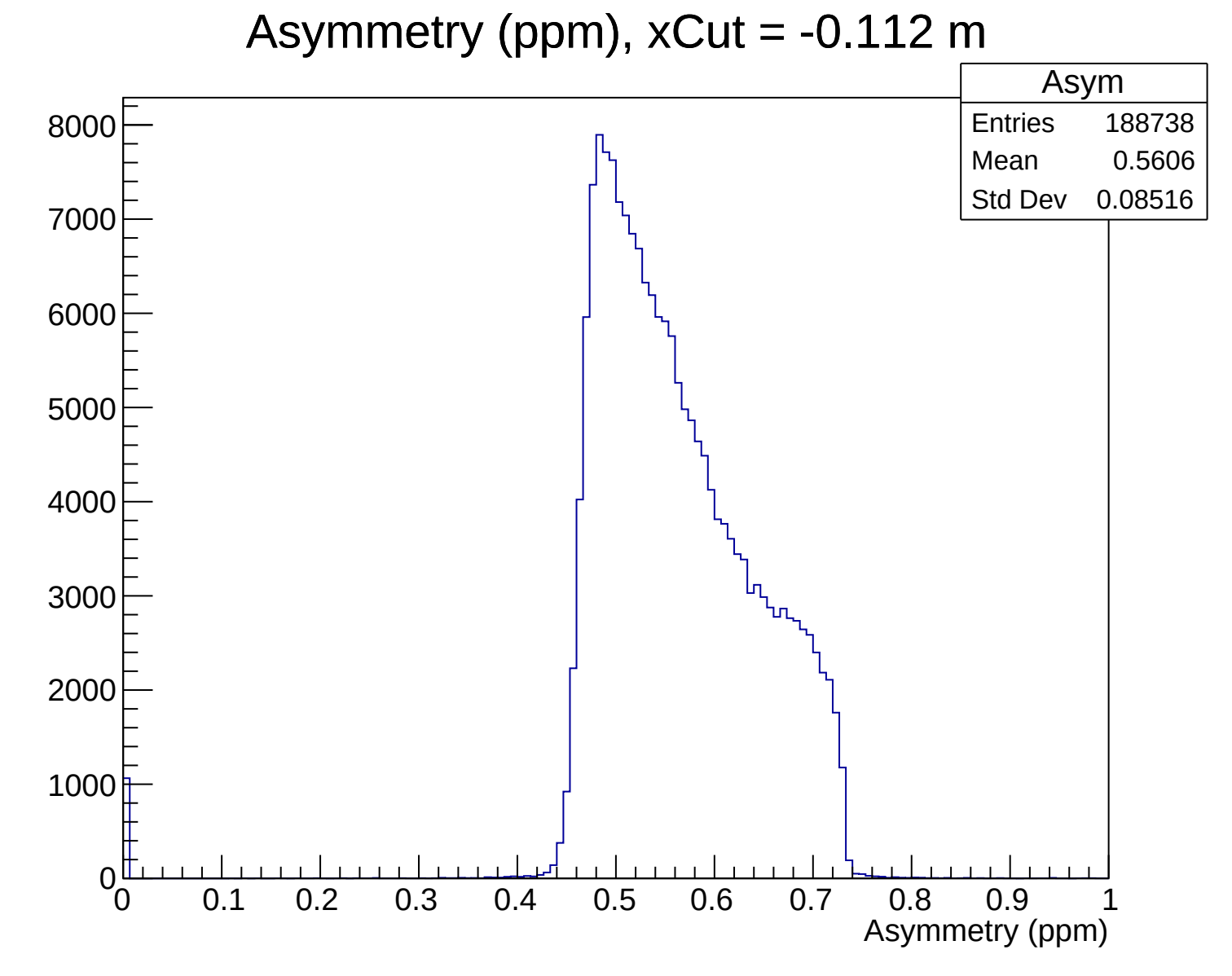

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

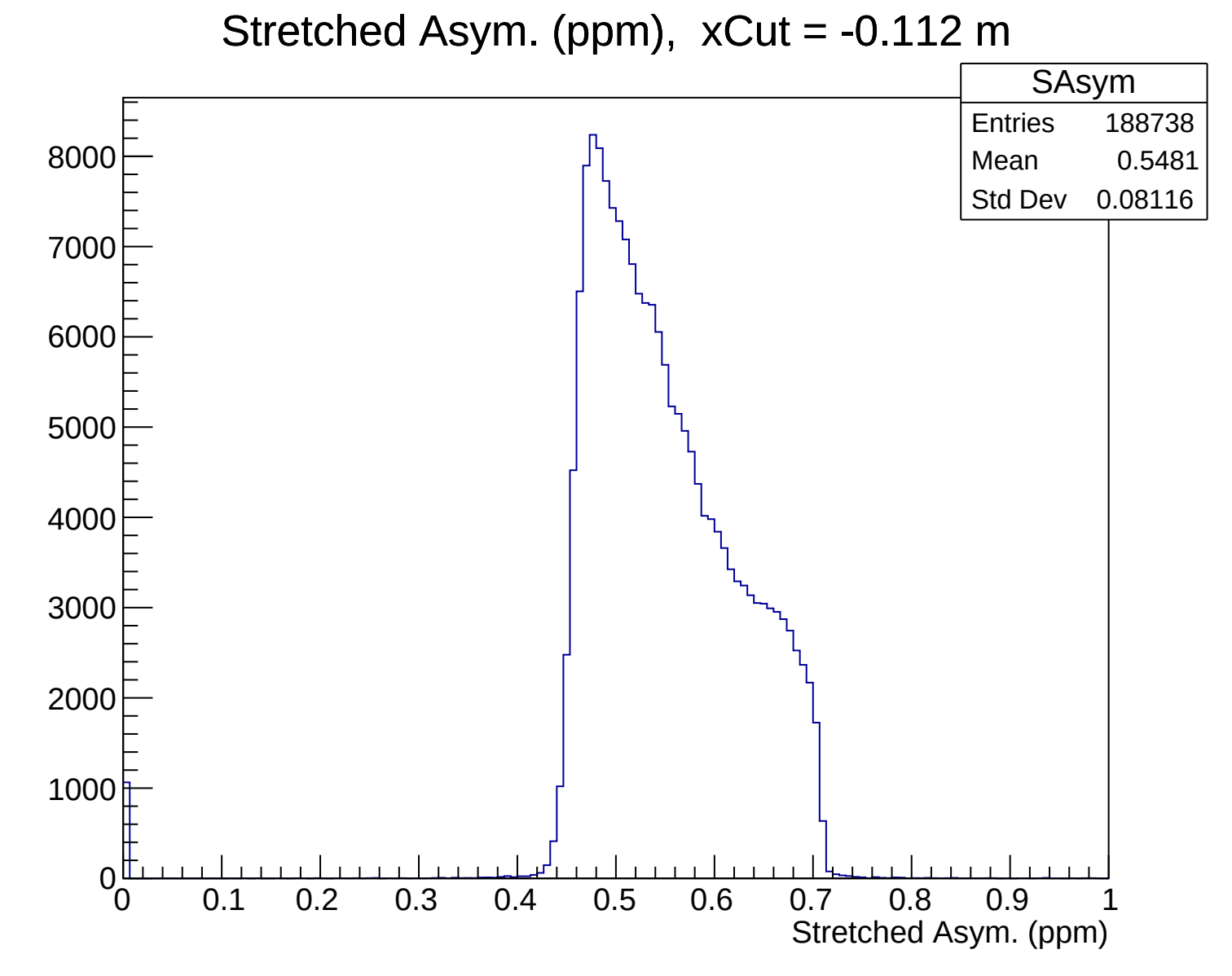

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

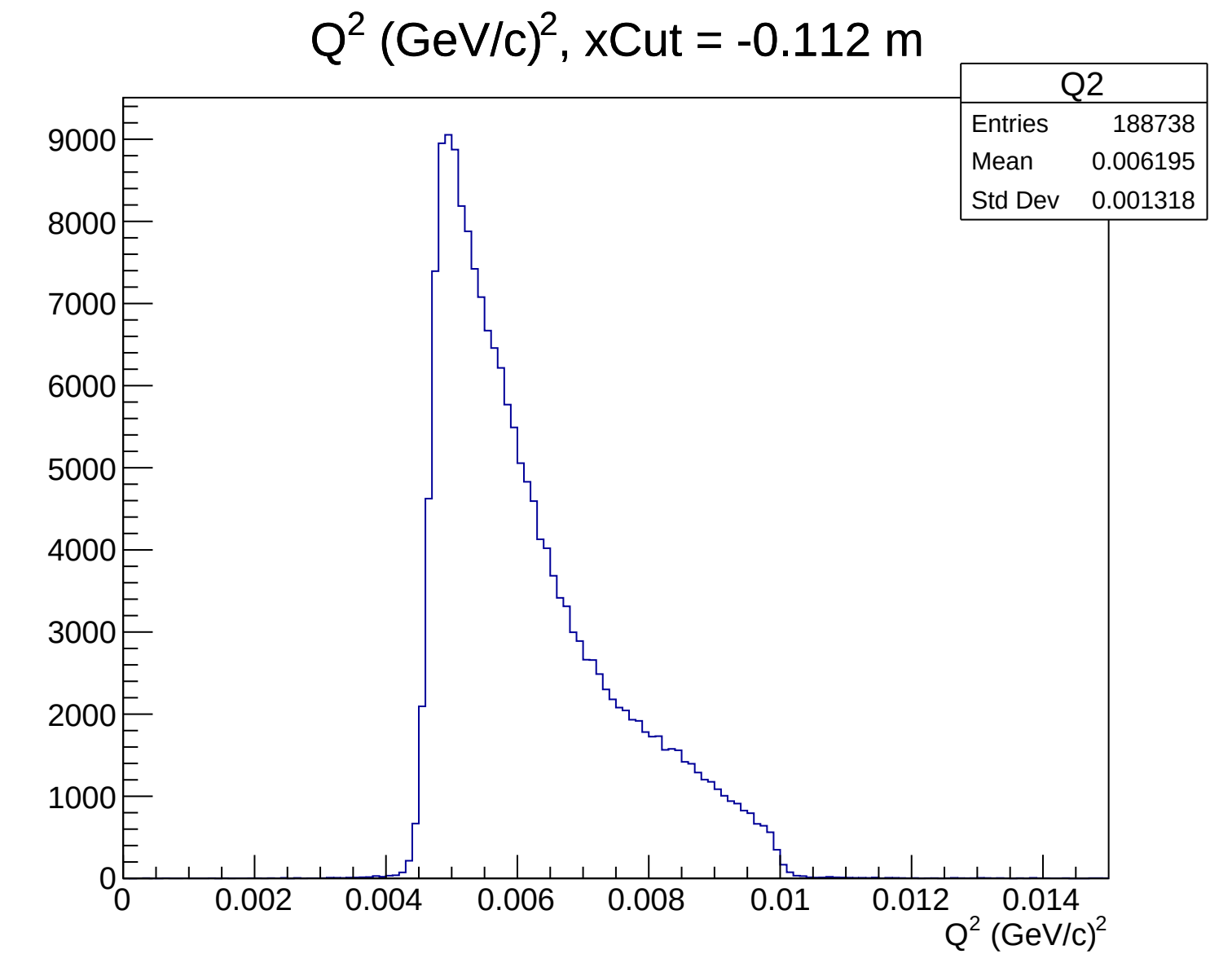

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.112
L.tr.x[0]+1.3*L.tr.th[0] (m)

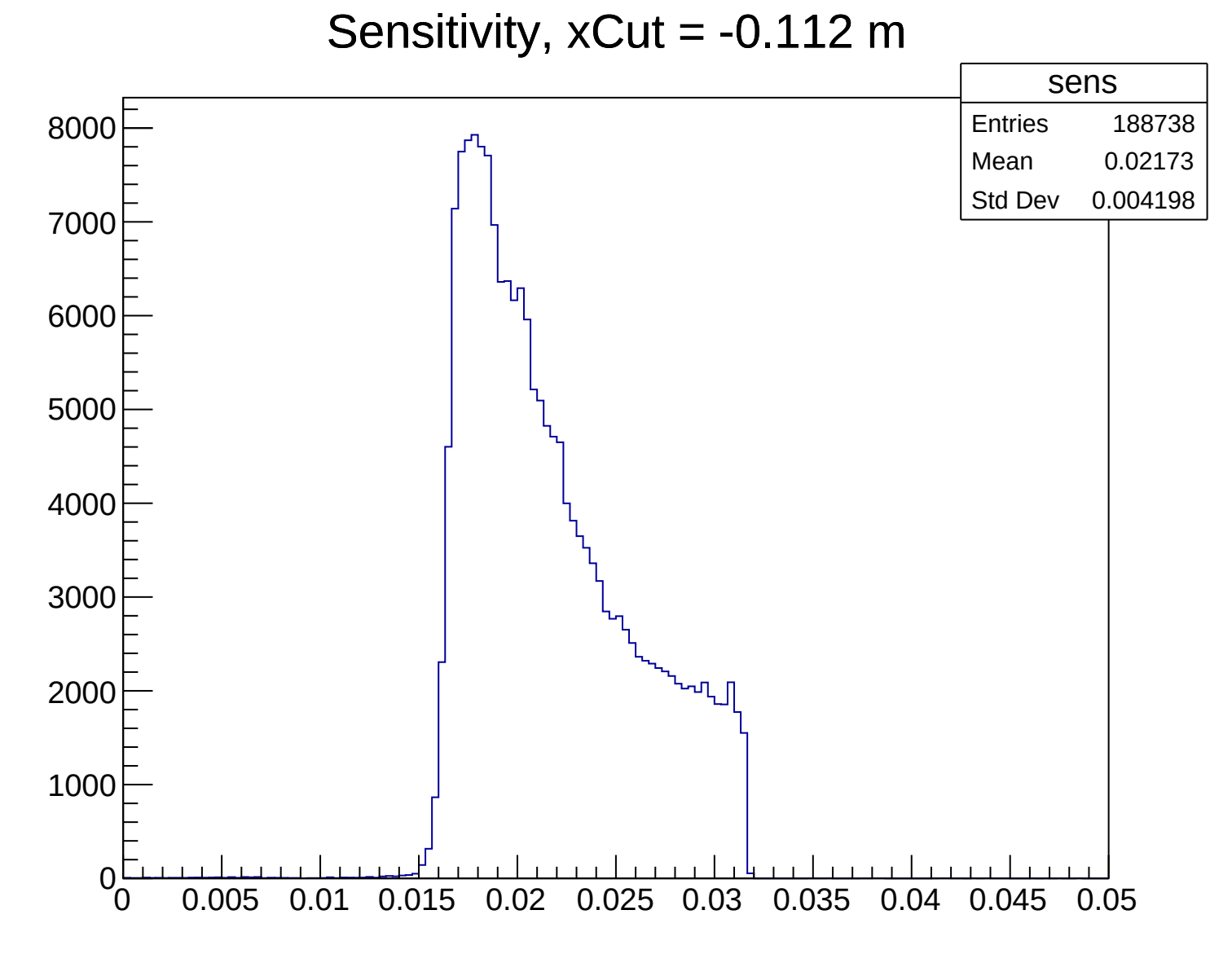

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)

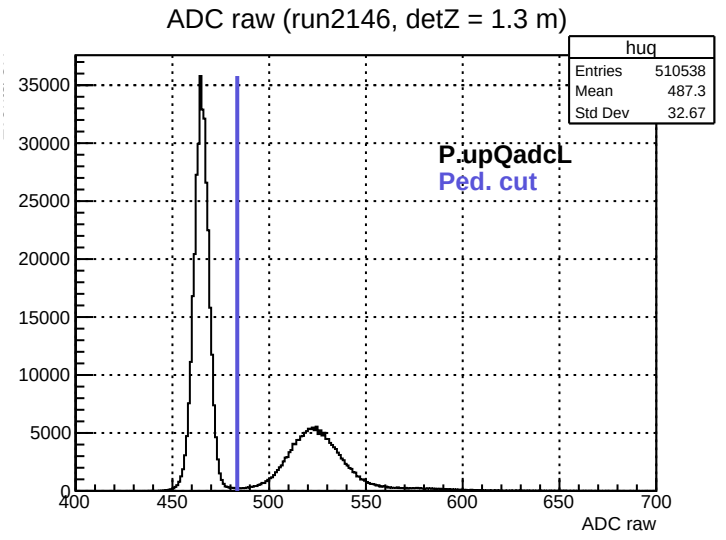

θlab (deg), xCut = -0.112 m
Theta
Entries 188738
Mean 4.736
Std Dev 0.4898
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

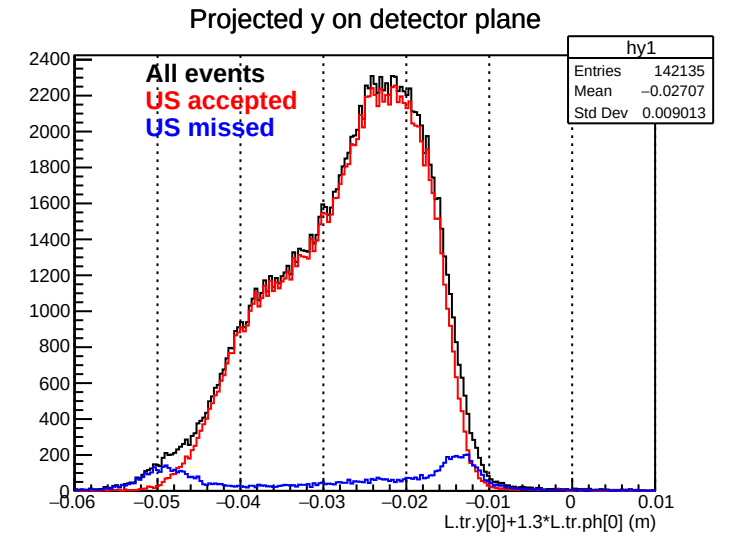

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 188738
Mean 0.5606
Std Dev 0.08516
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

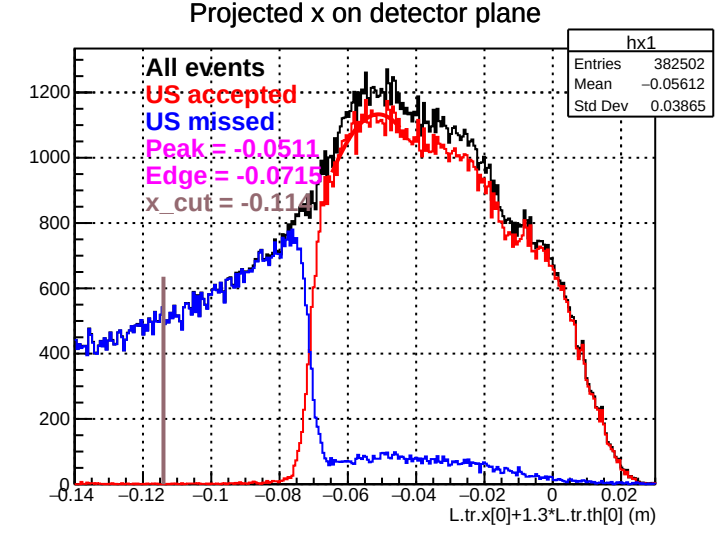

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 188738
Mean 0.5481
Std Dev 0.08116
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

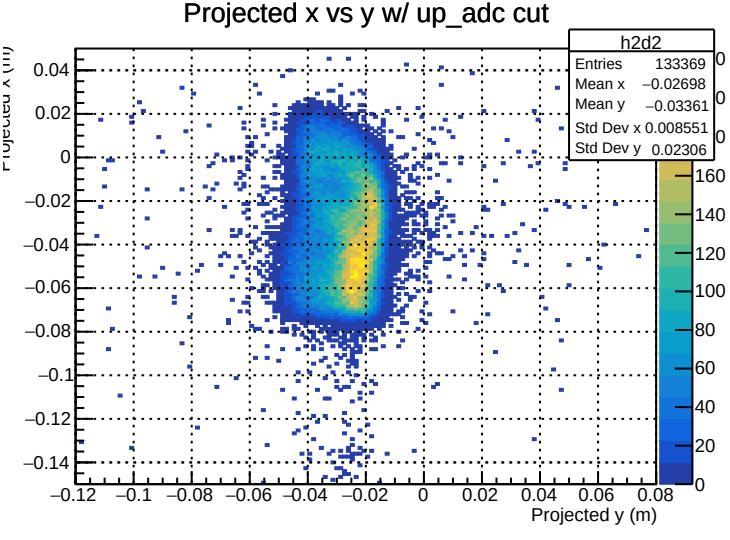

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 188738
Mean 0.006195
Std Dev 0.001318
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

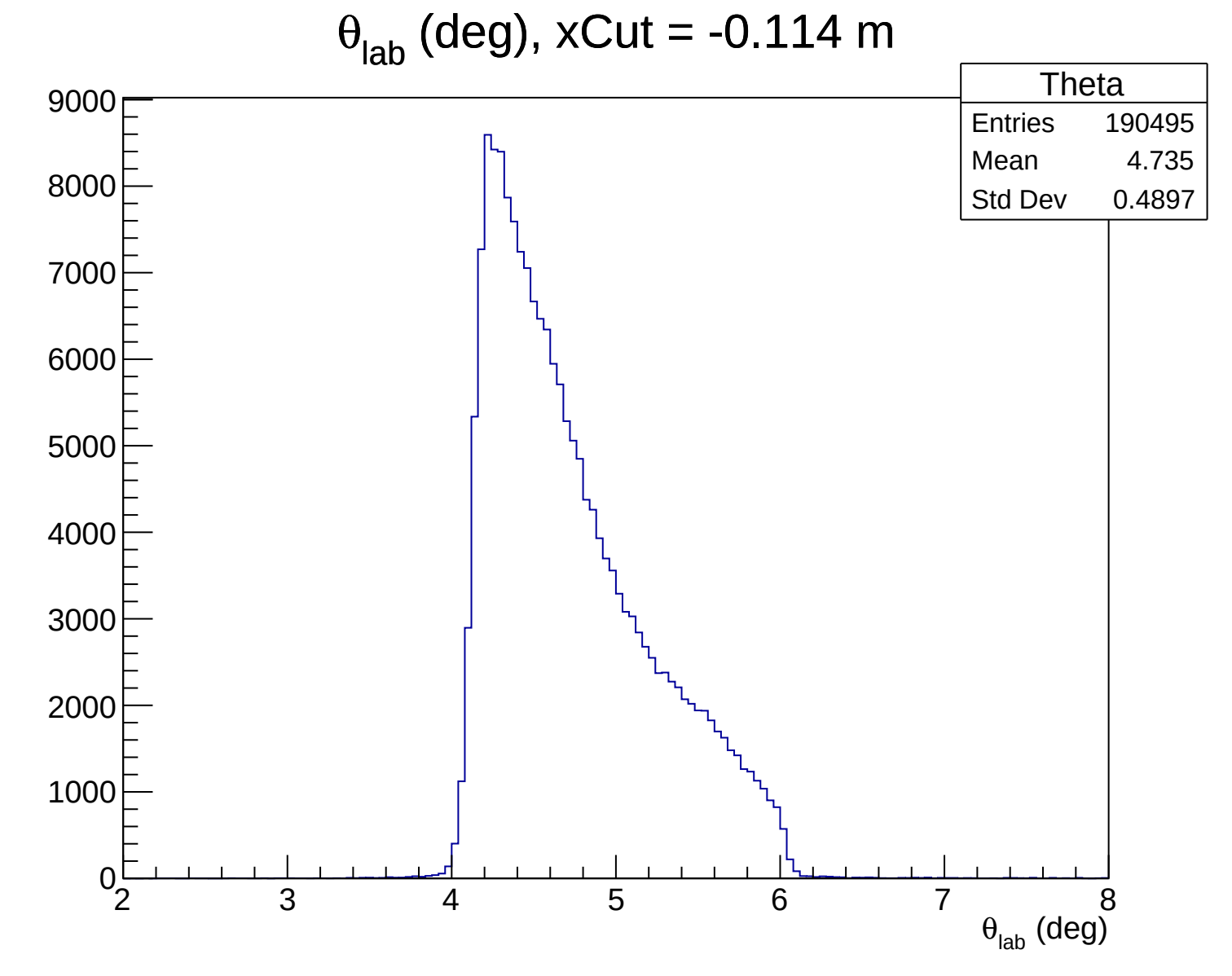

Sensitivity, xCut = -0.112 m
sens
Entries 188738
Mean 0.02173
Std Dev 0.004198
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

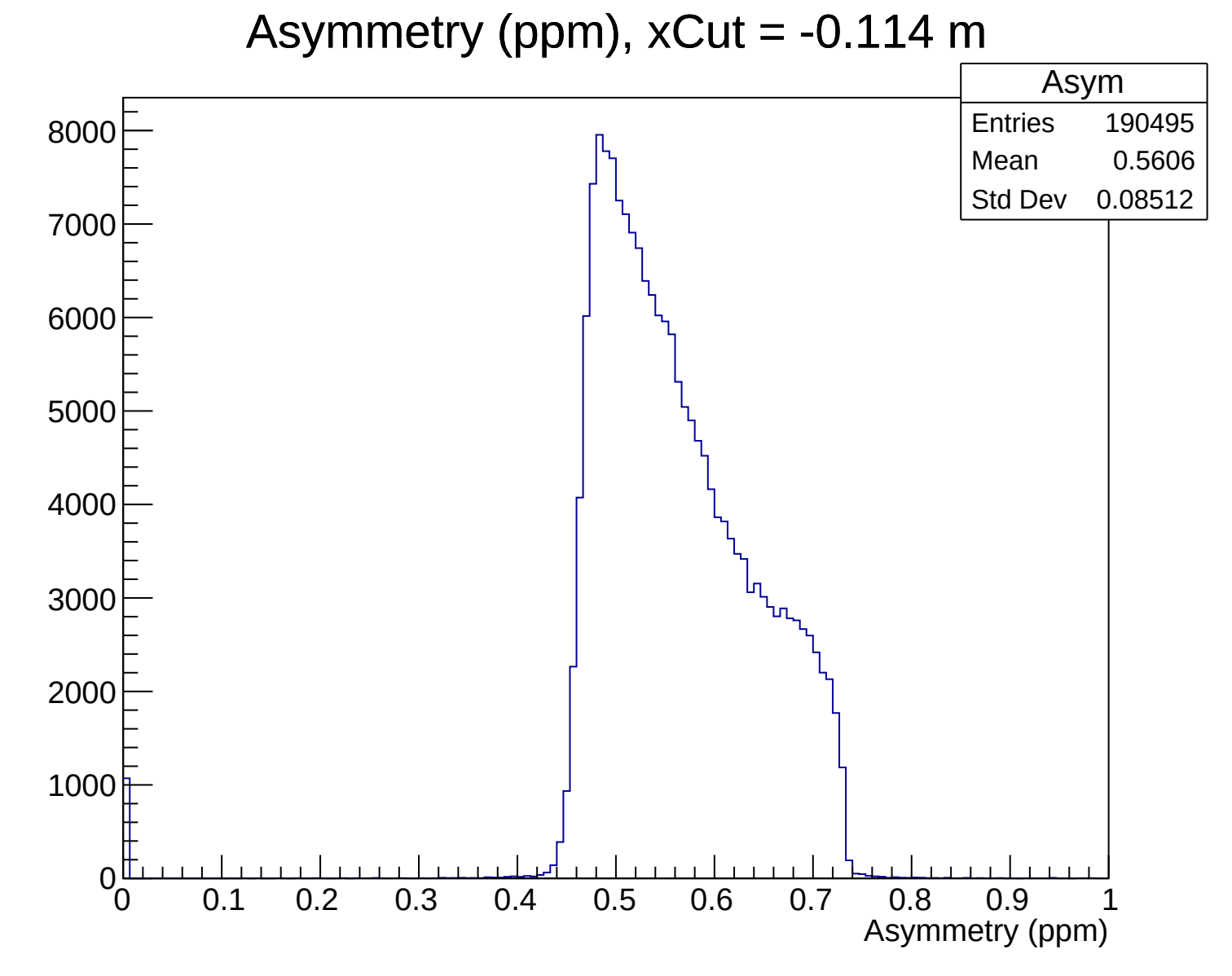

ADC raw (run2146, detZ = 1.3 m)
huq
Entries 510538
Mean 487.3
Std Dev 32.67
P.upQadcL
Ped. cut
ADC raw

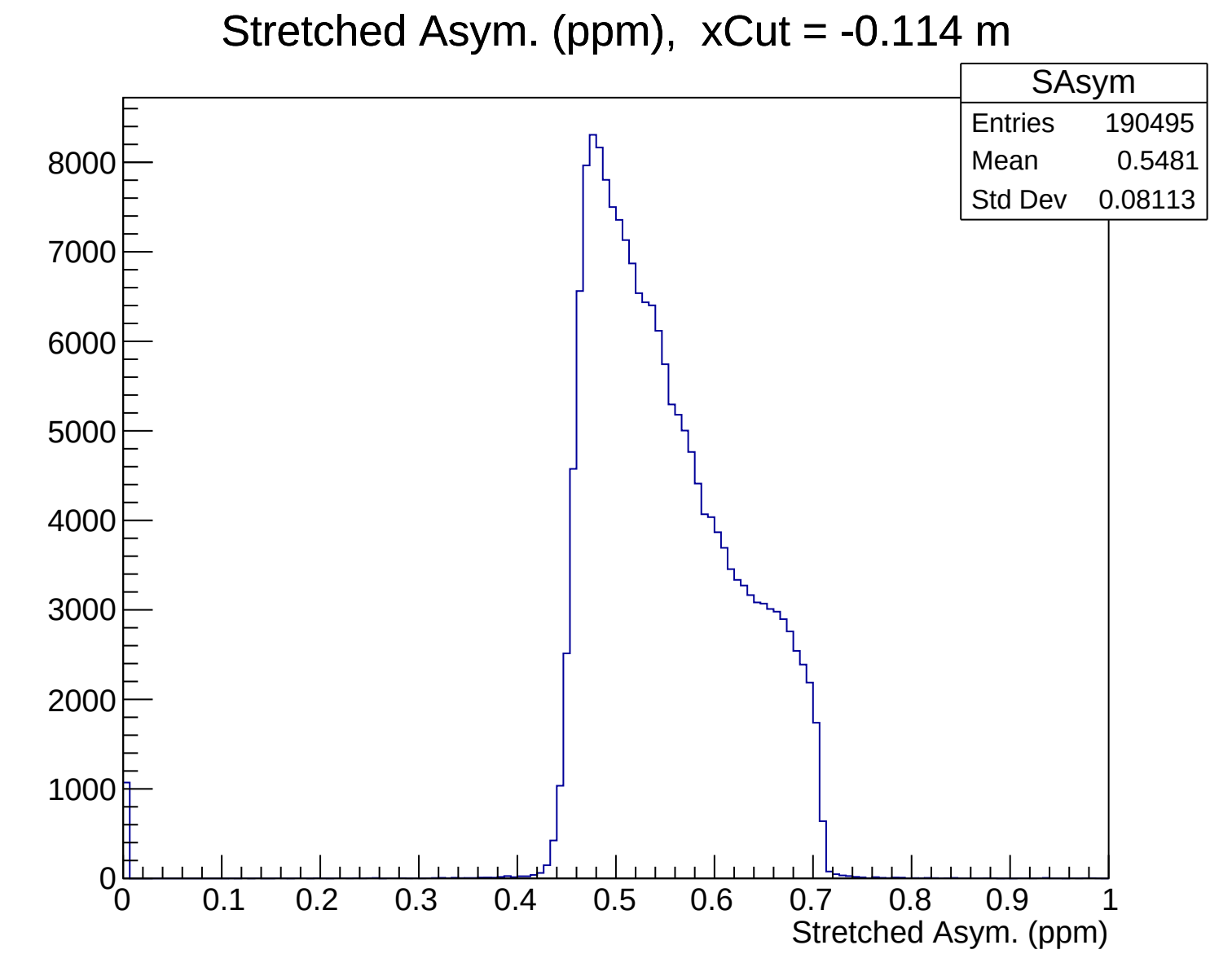

Projected y on detector plane
hy1
Entries 142135
Mean −0.02707
Std Dev 0.009013
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

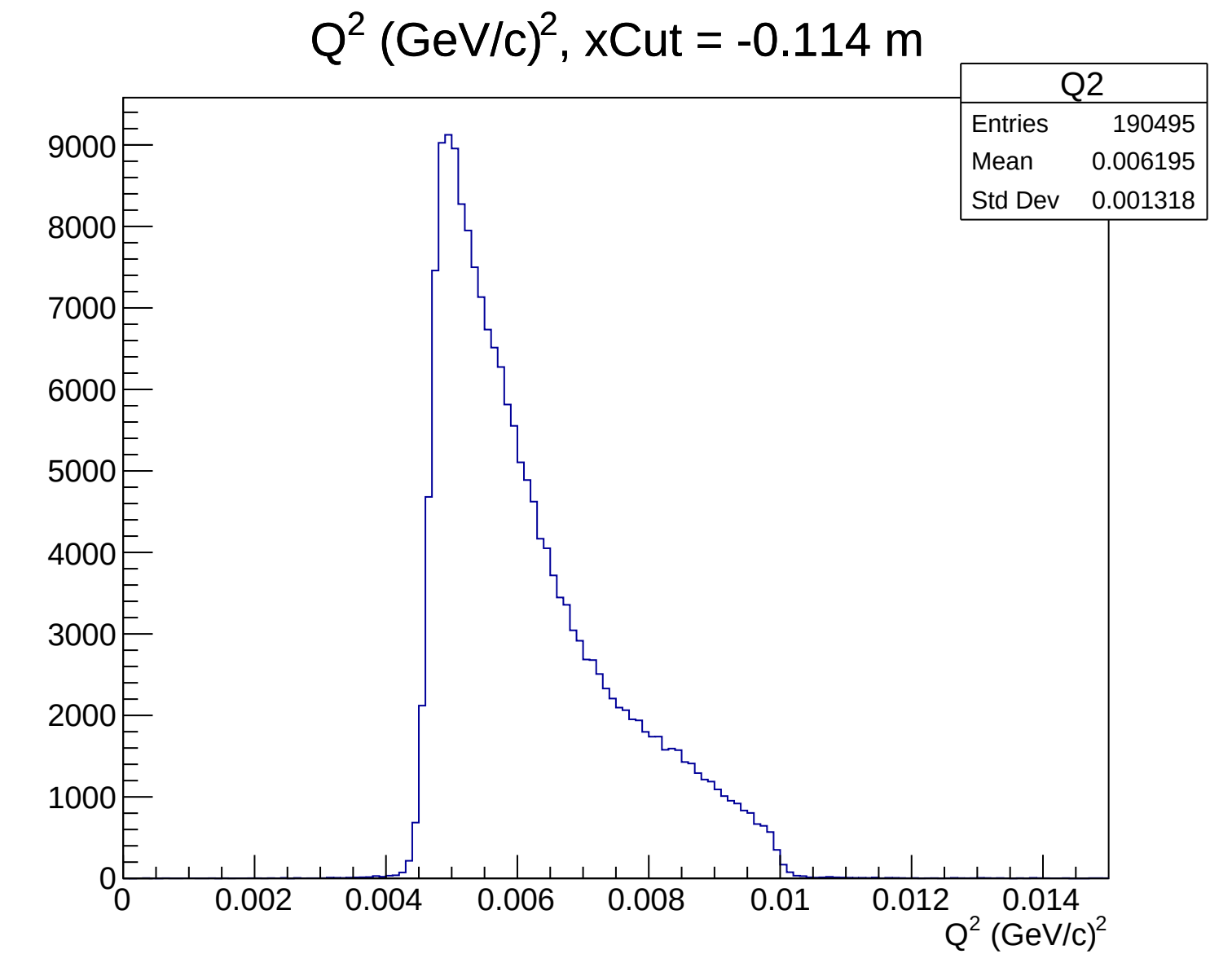

Projected x on detector plane
hx1
Entries 382502
Mean −0.05612
Std Dev 0.03865
All events
US accepted
US missed
Peak = -0.0511
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

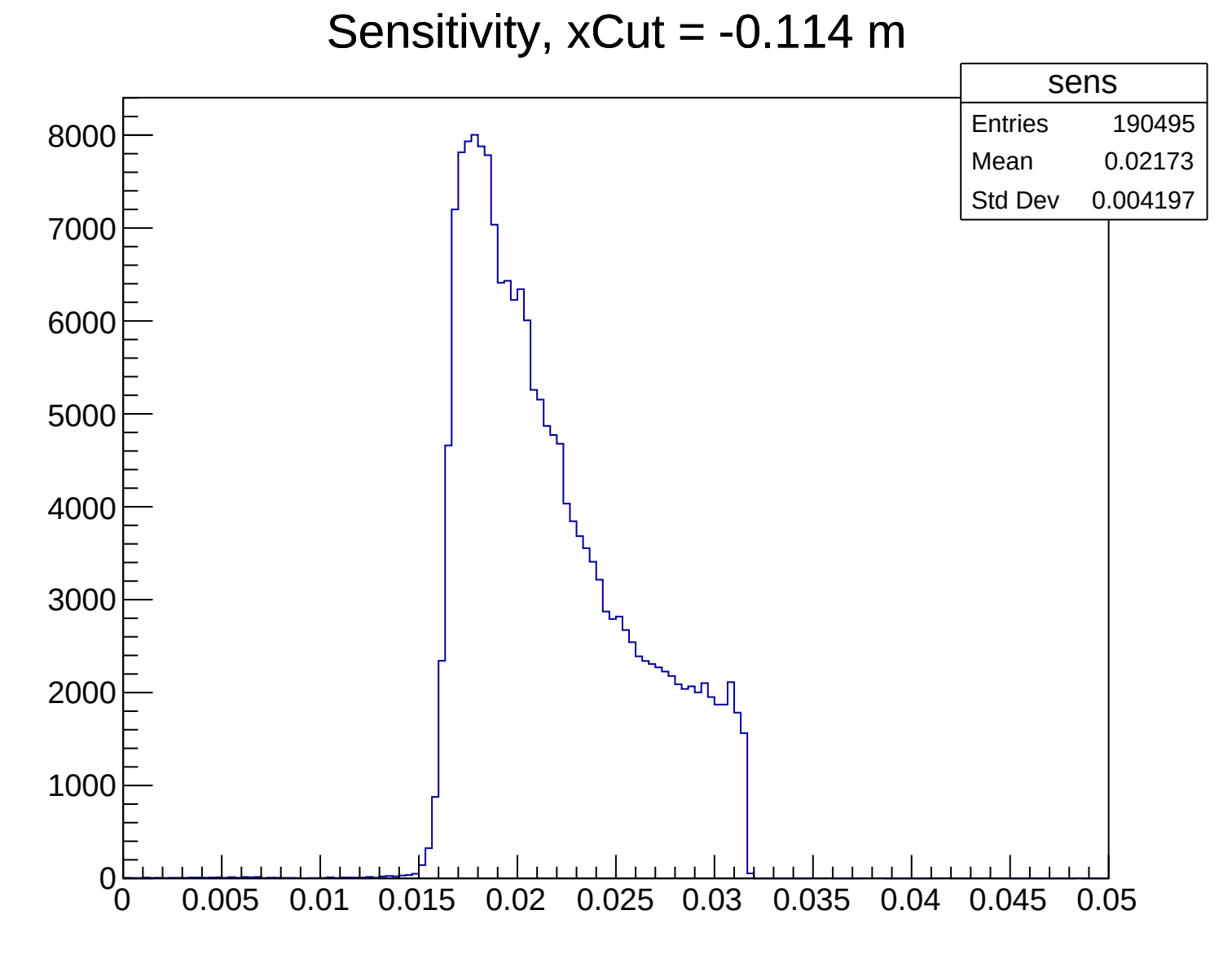

Projected x vs y w/ up_adc cut
h2d2
Entries 133369
Mean x −0.02698
Mean y −0.03361
Std Dev x 0.008551
Std Dev y 0.02306
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 190495
Mean 4.735
Std Dev 0.4897
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 190495
Mean 0.5606
Std Dev 0.08512
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), xCut = -0.114 m
SAsym
Entries 190495
Mean 0.5481
Std Dev 0.08113
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 190495
Mean 0.006195
Std Dev 0.001318
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, xCut = -0.114 m
sens
Entries 190495
Mean 0.02173
Std Dev 0.004197
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05