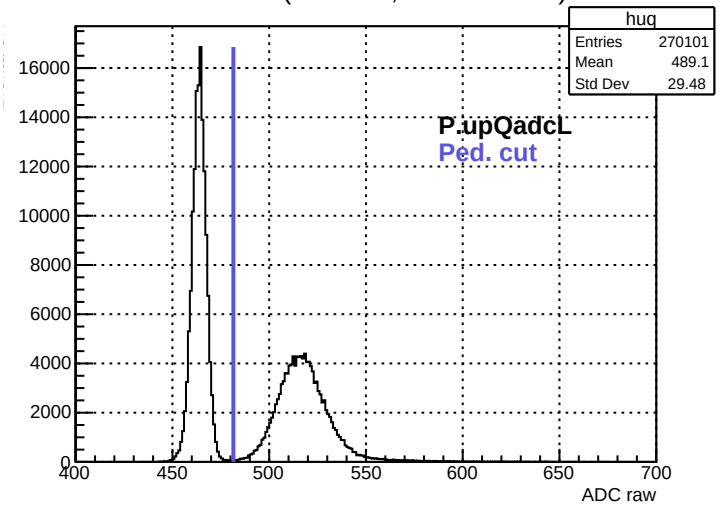
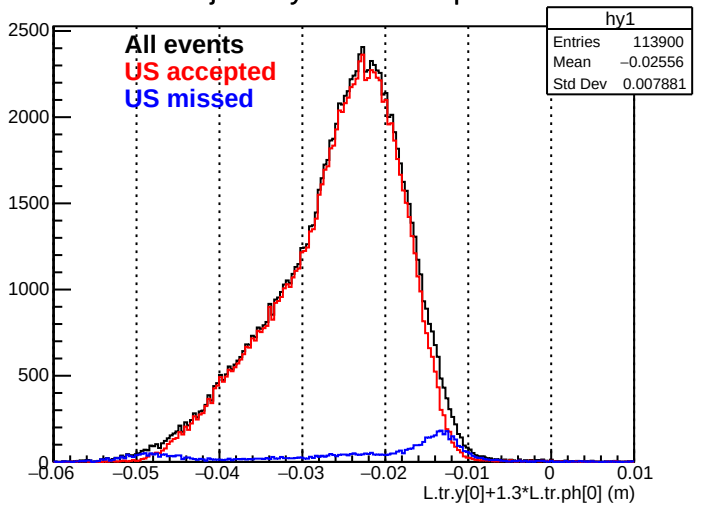
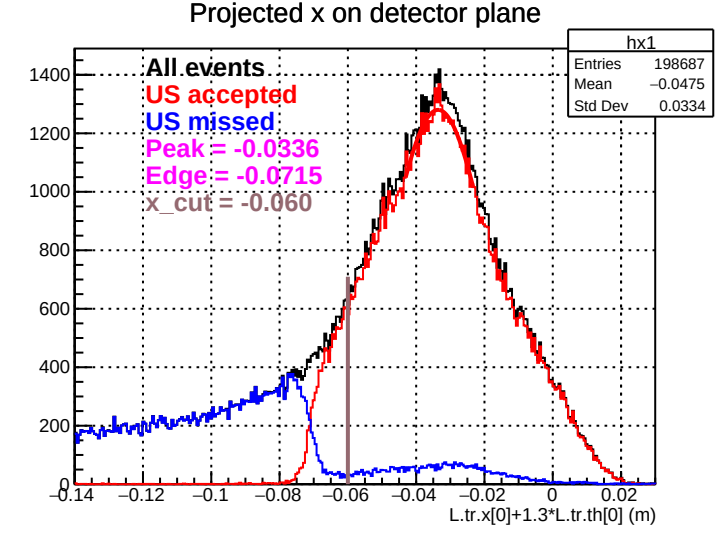
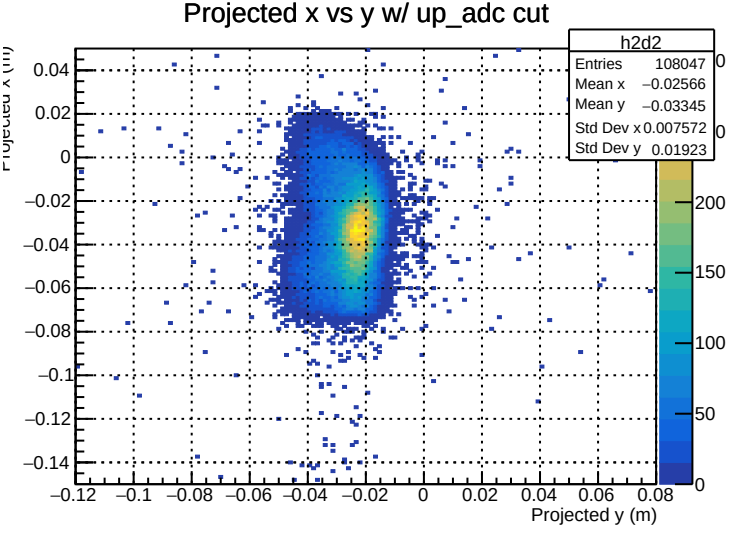
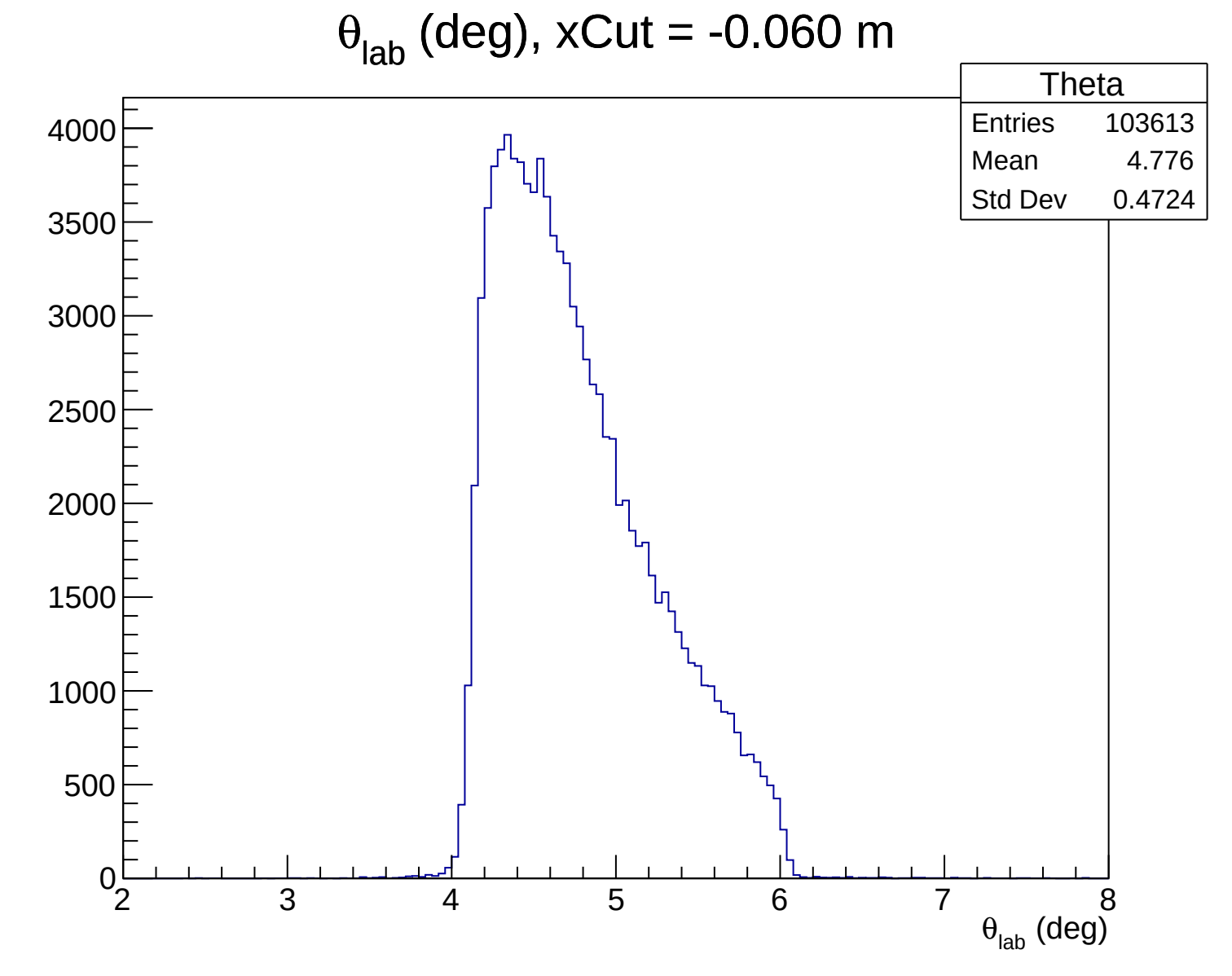
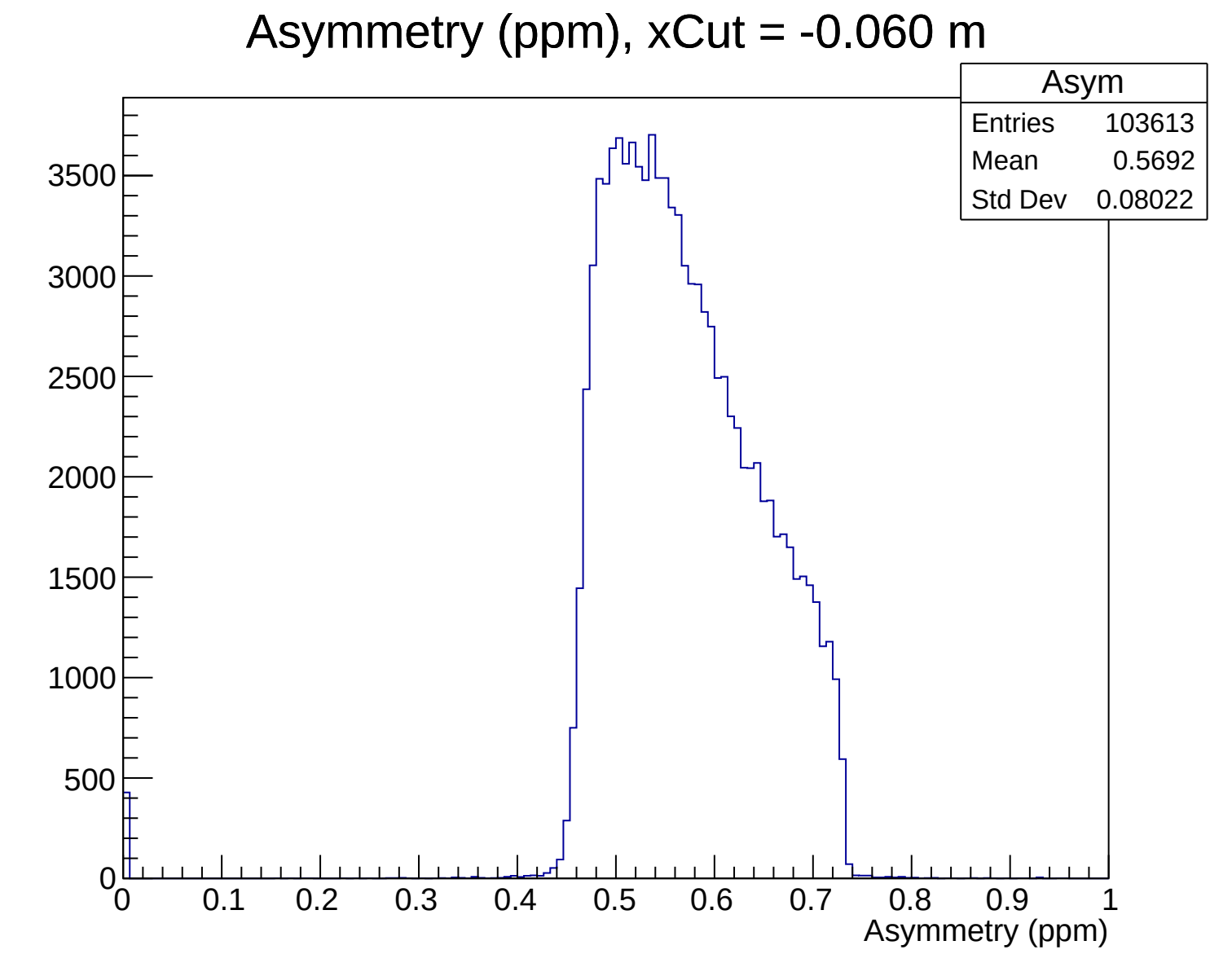

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

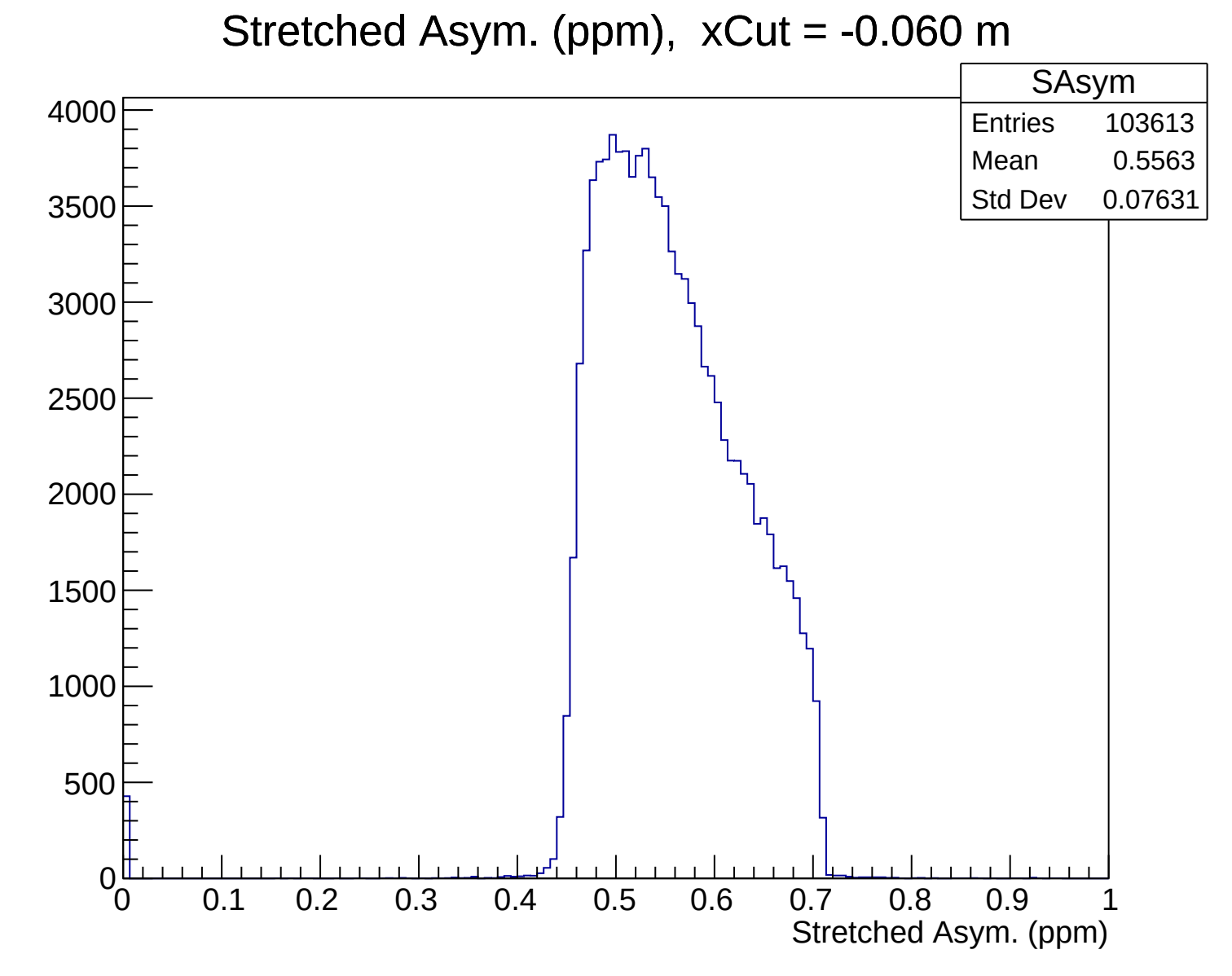

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

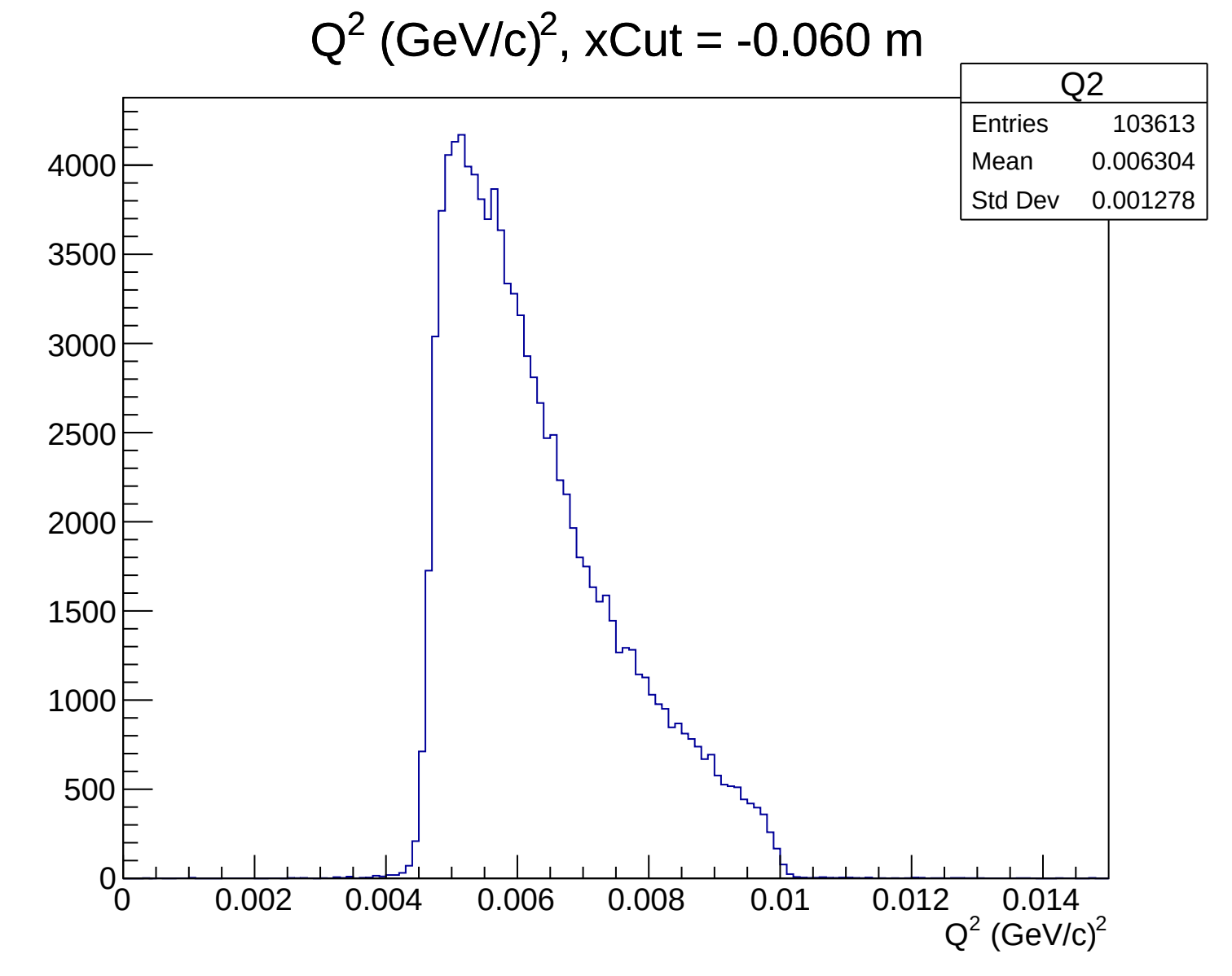

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

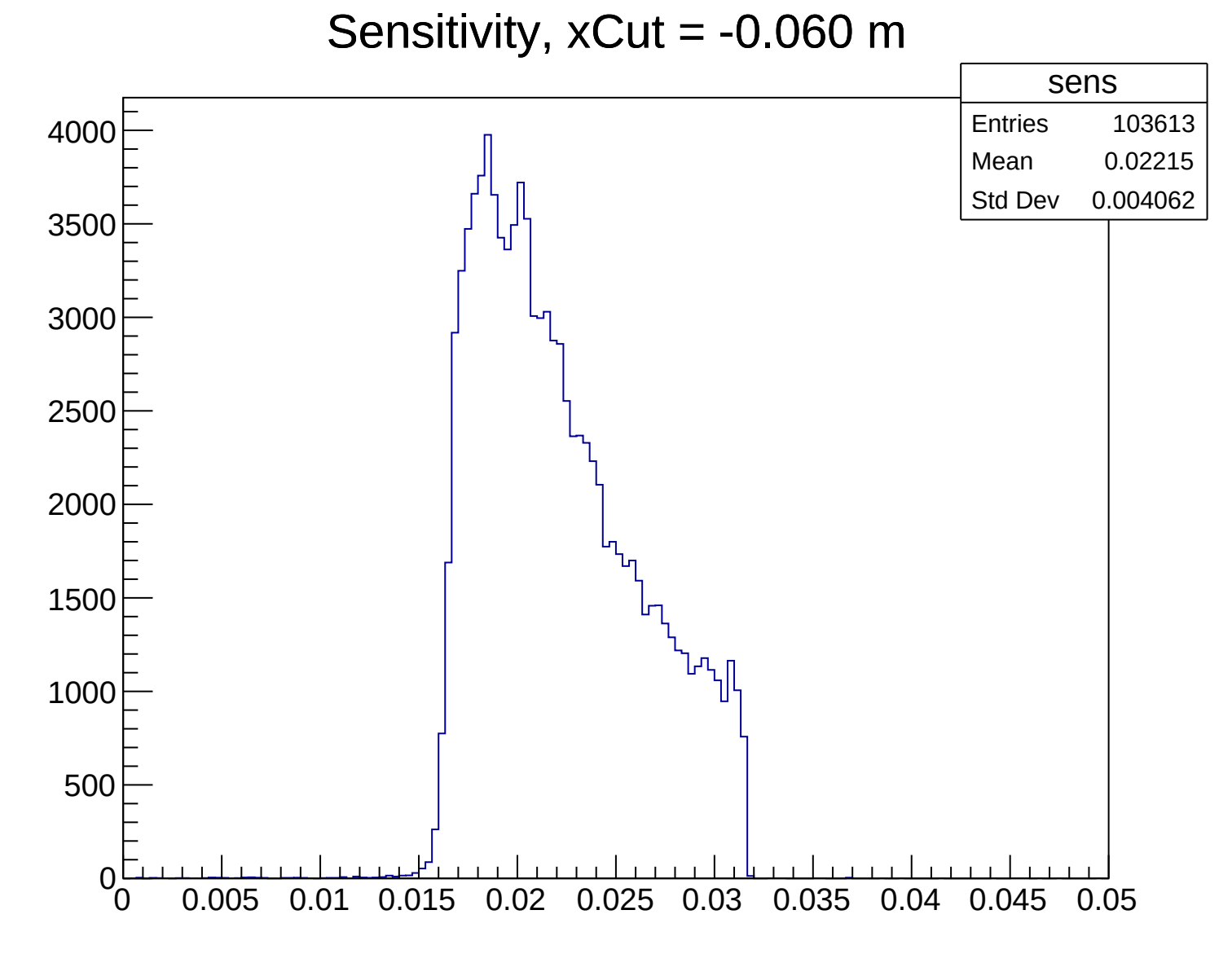

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

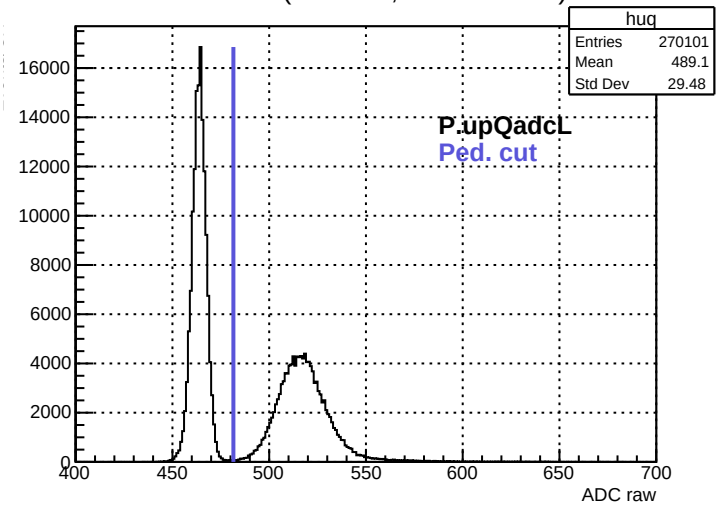

θlab (deg), xCut = -0.060 m
Theta
Entries 103613
Mean 4.776
Std Dev 0.4724
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

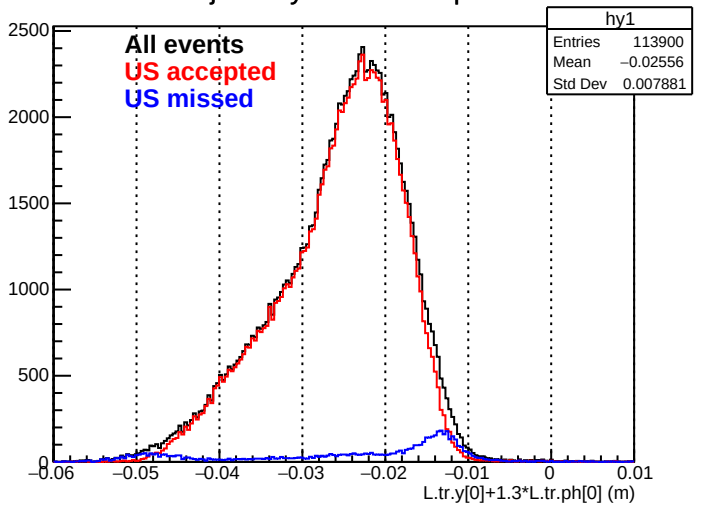

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 103613
Mean 0.5692
Std Dev 0.08022
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

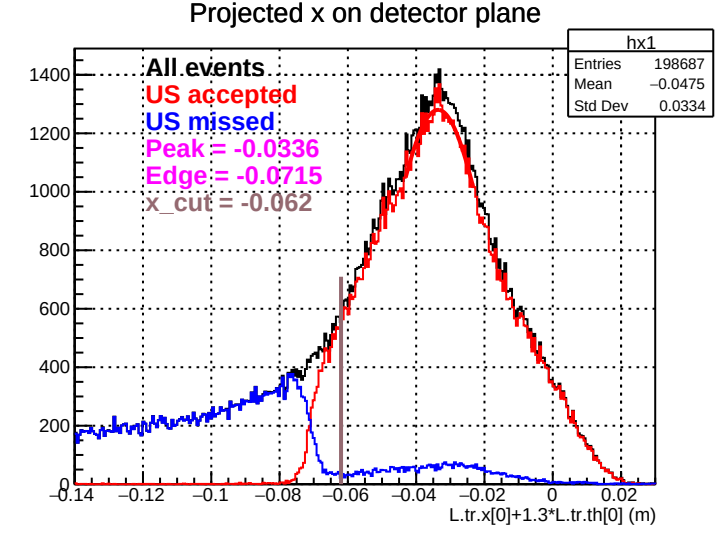

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 103613
Mean 0.5563
Std Dev 0.07631
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

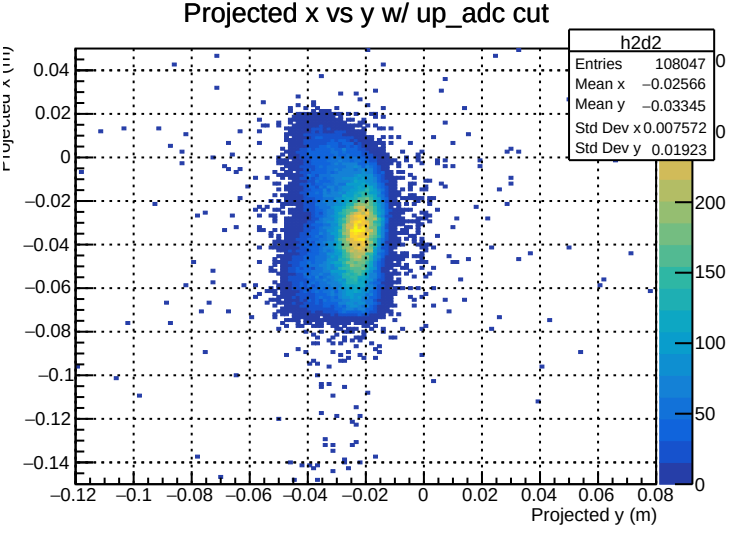

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 103613
Mean 0.006304
Std Dev 0.001278
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

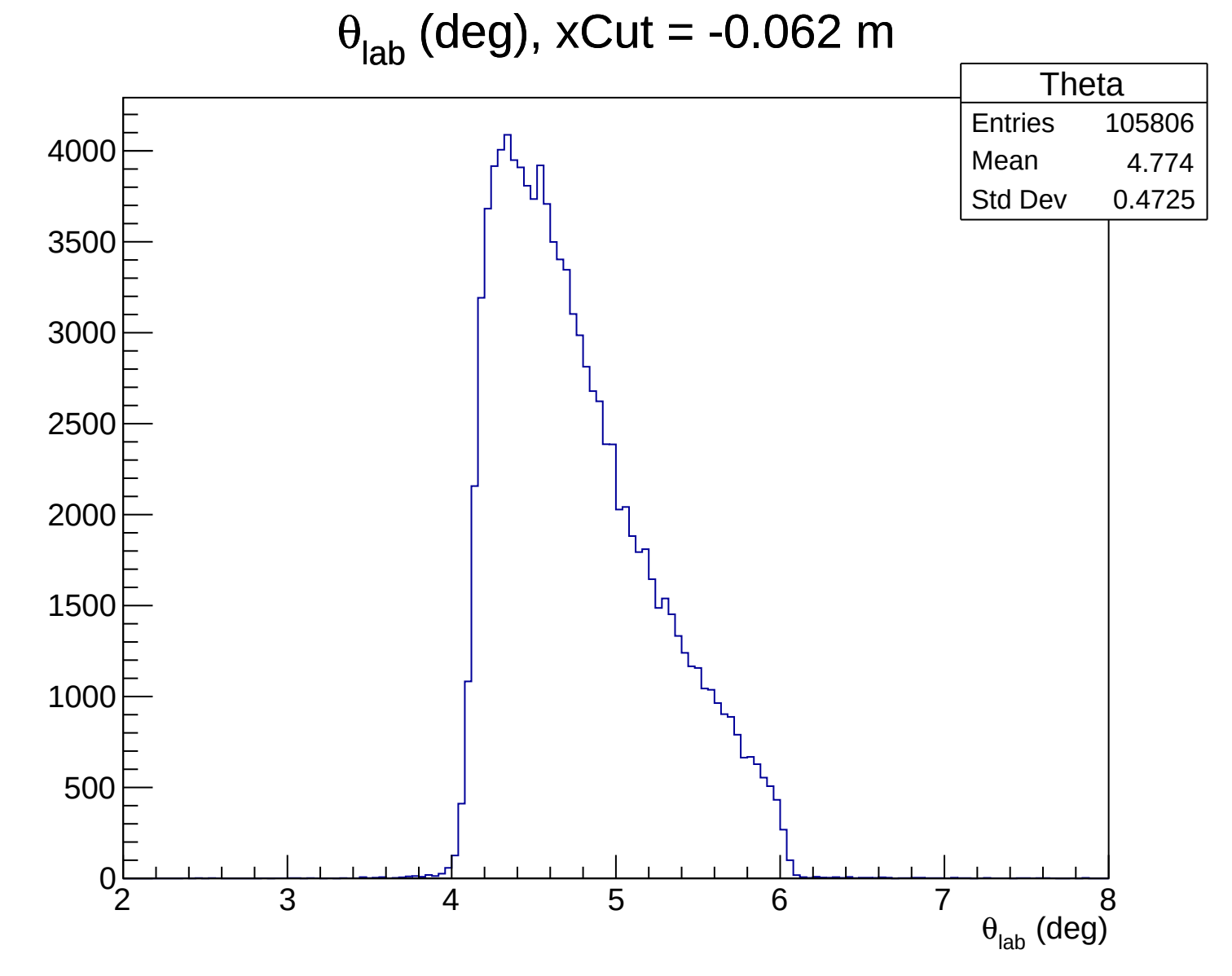

Sensitivity, xCut = -0.060 m
sens
Entries 103613
Mean 0.02215
Std Dev 0.004062
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

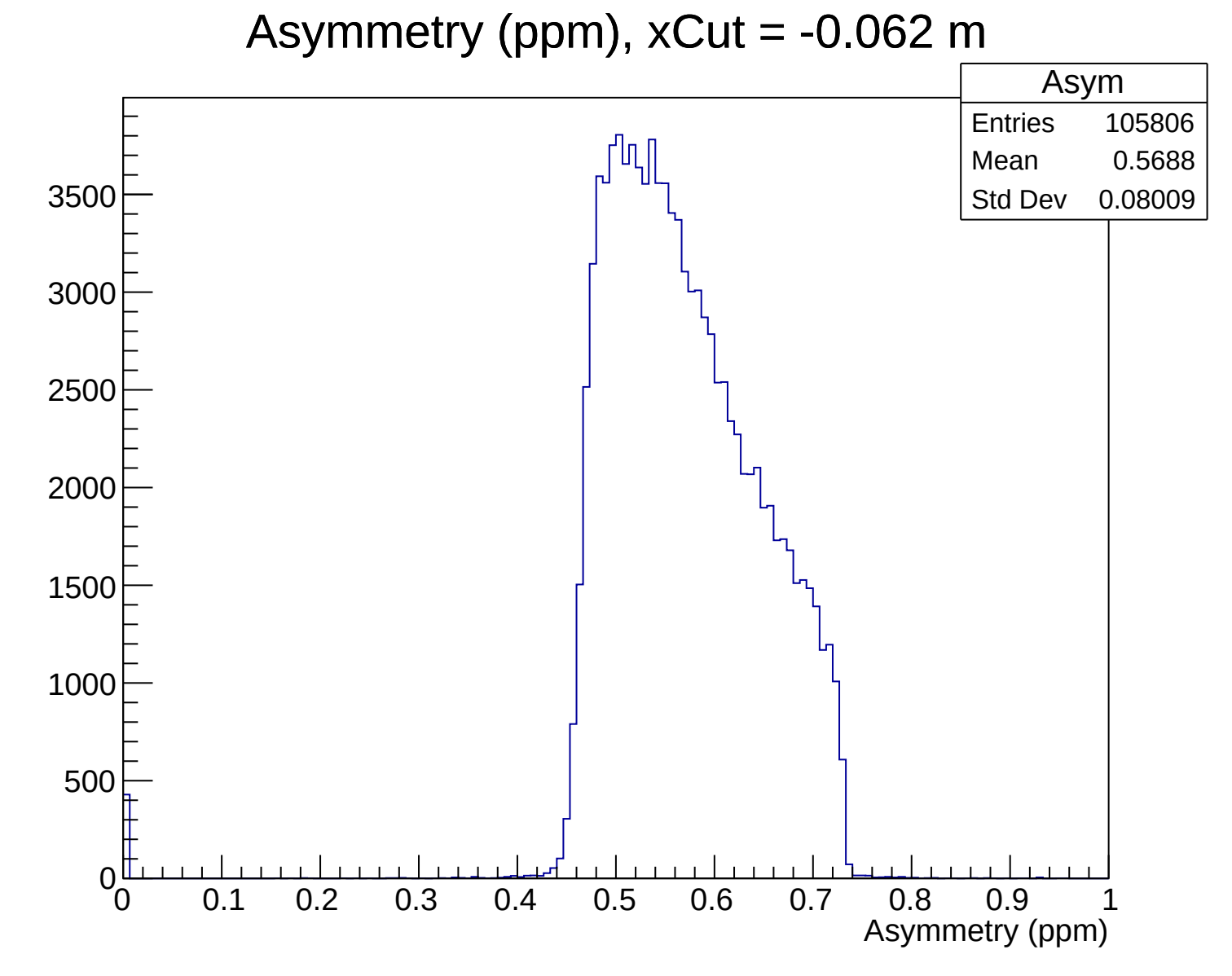

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

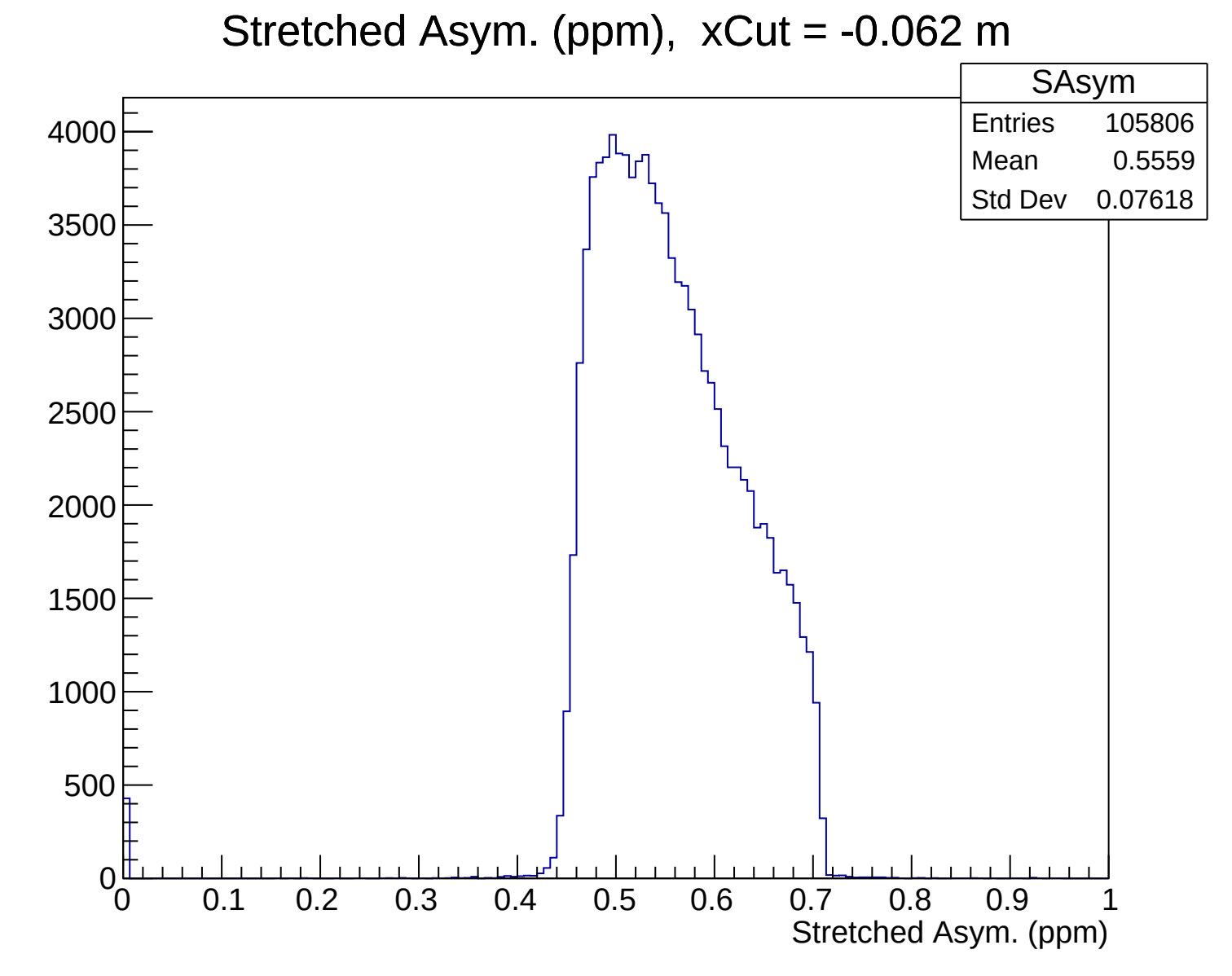

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

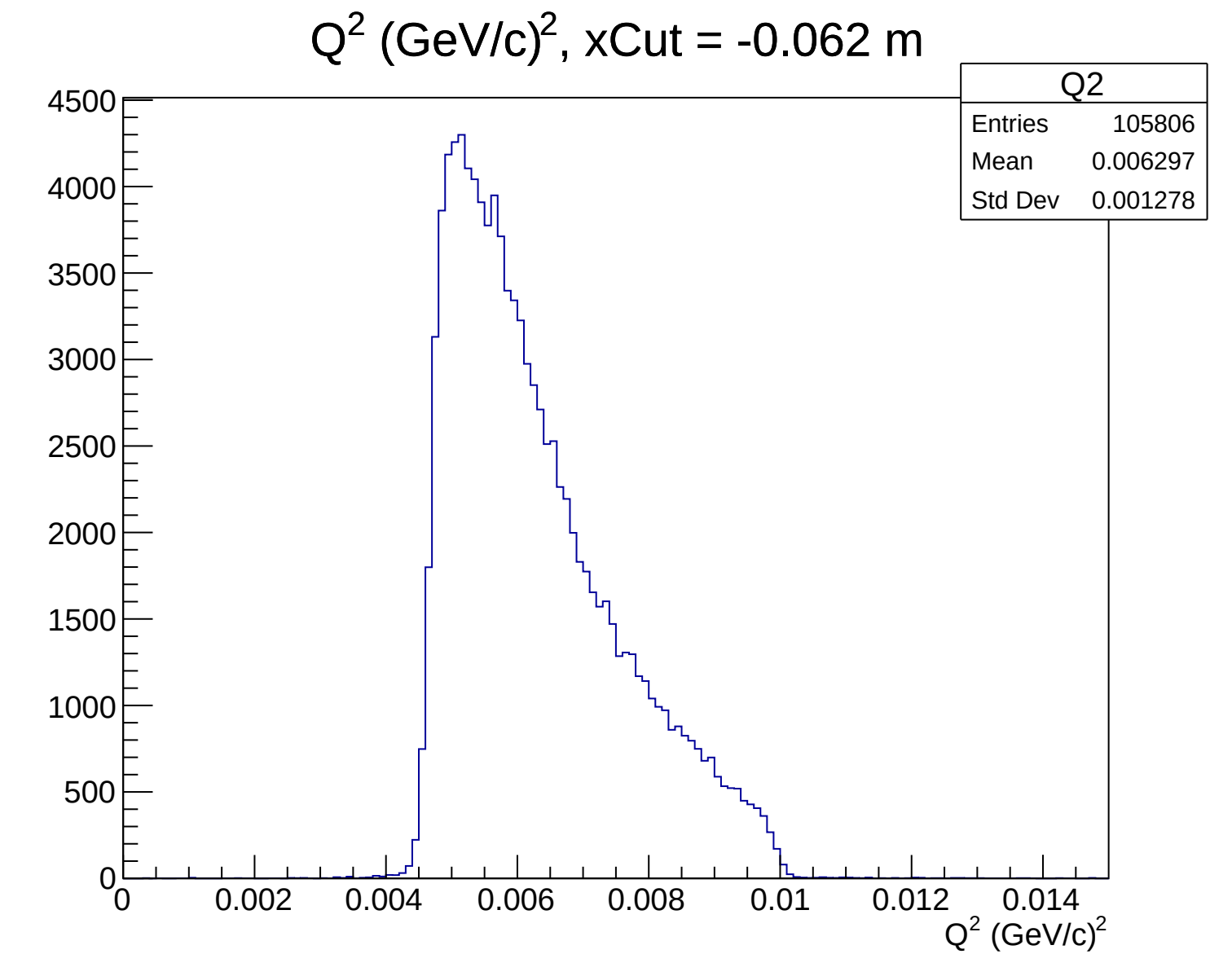

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

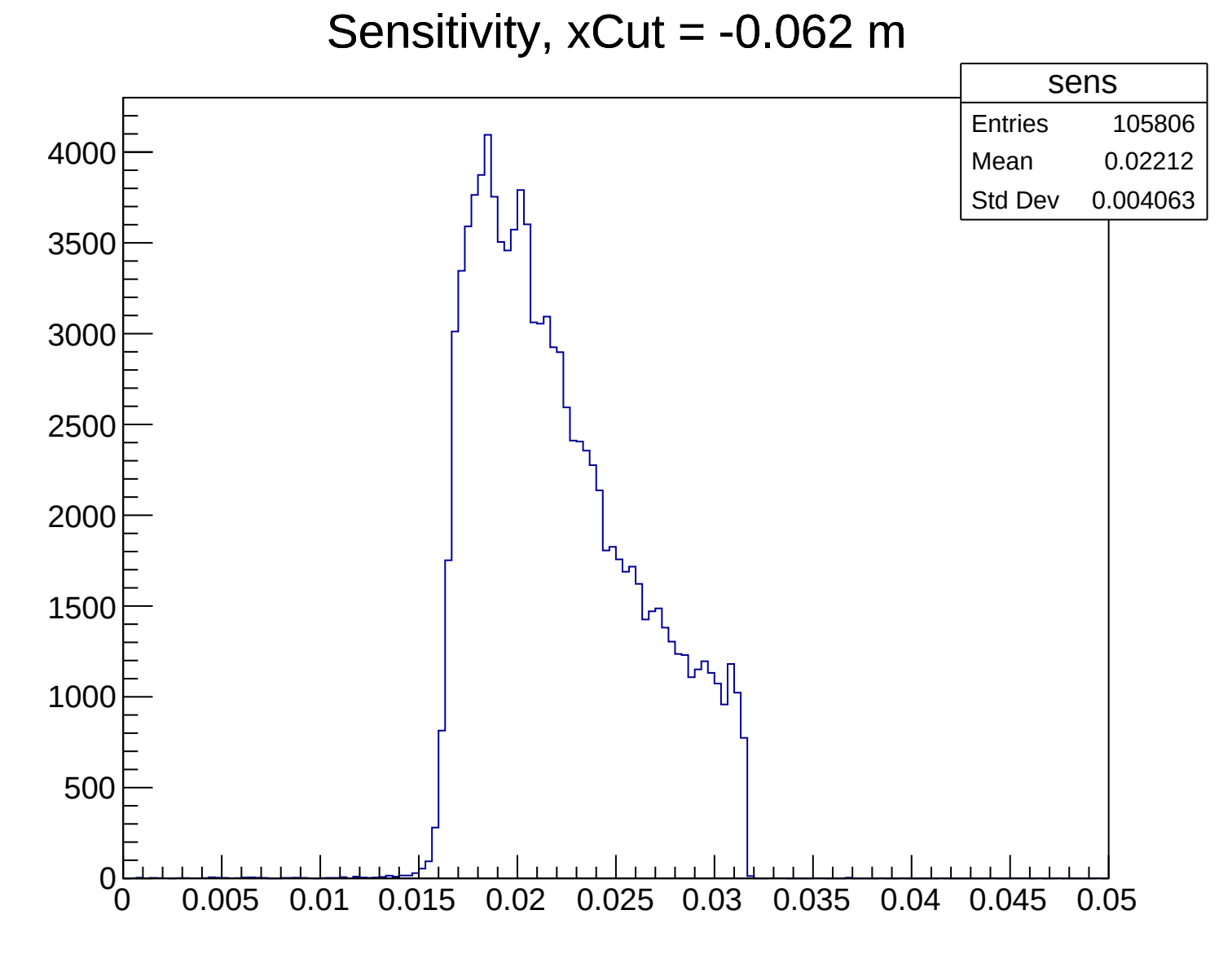

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

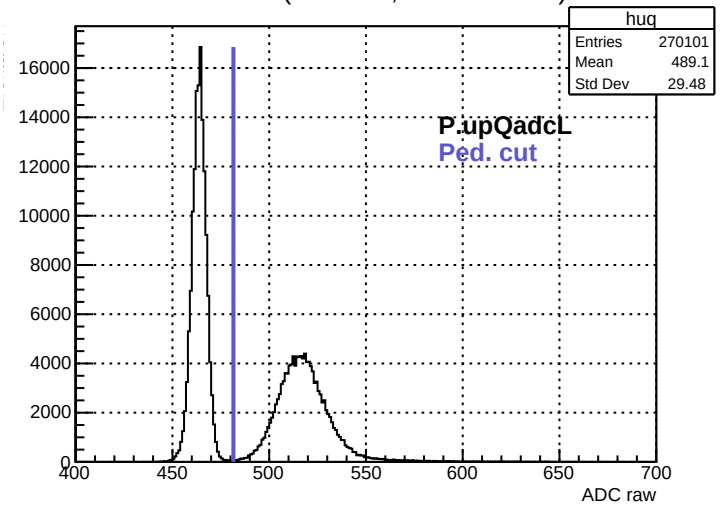

θlab (deg), xCut = -0.062 m
Theta
Entries 105806
Mean 4.774
Std Dev 0.4725
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

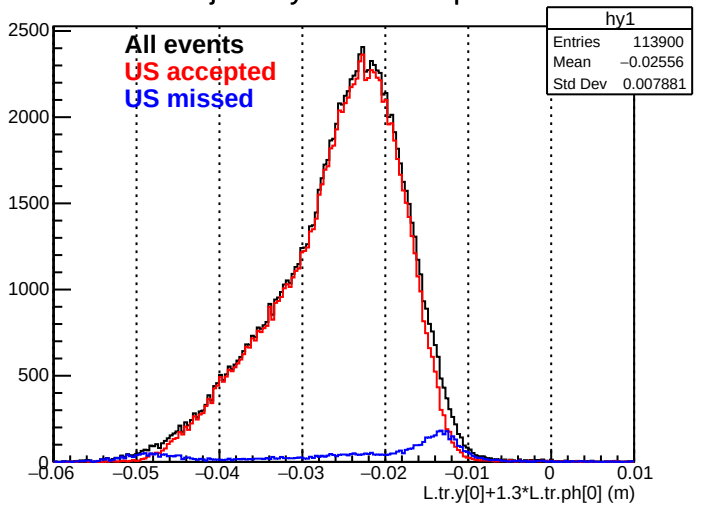

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 105806
Mean 0.5688
Std Dev 0.08009
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

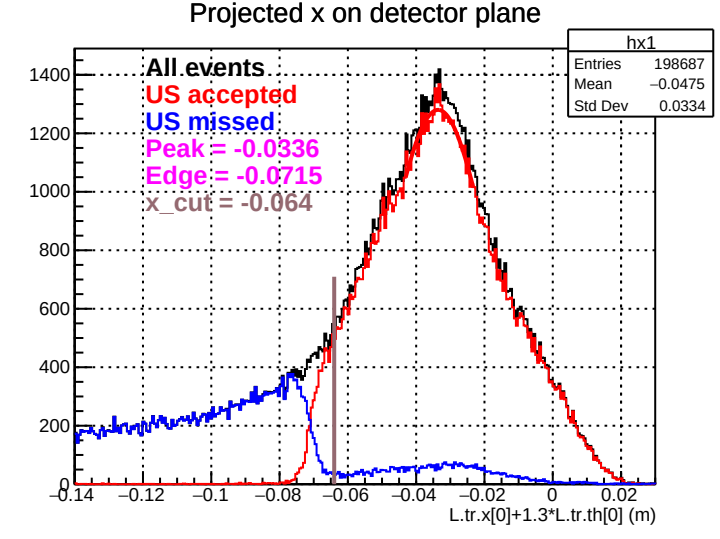

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 105806
Mean 0.5559
Std Dev 0.07618
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

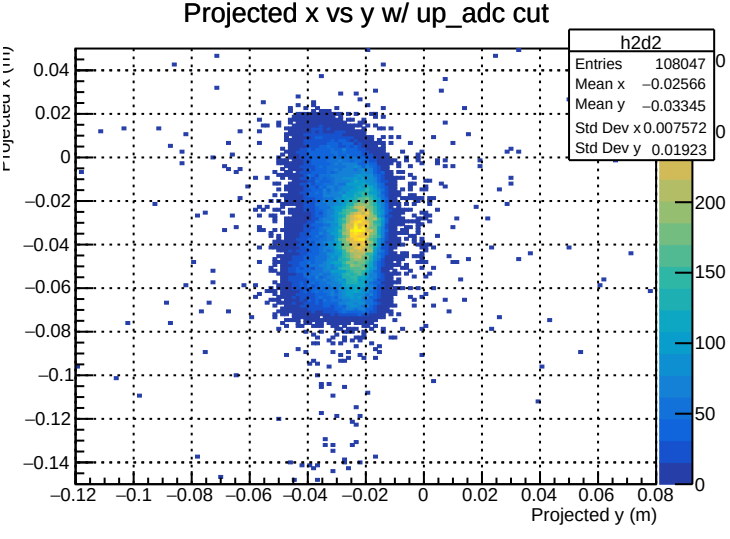

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 105806
Mean 0.006297
Std Dev 0.001278
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

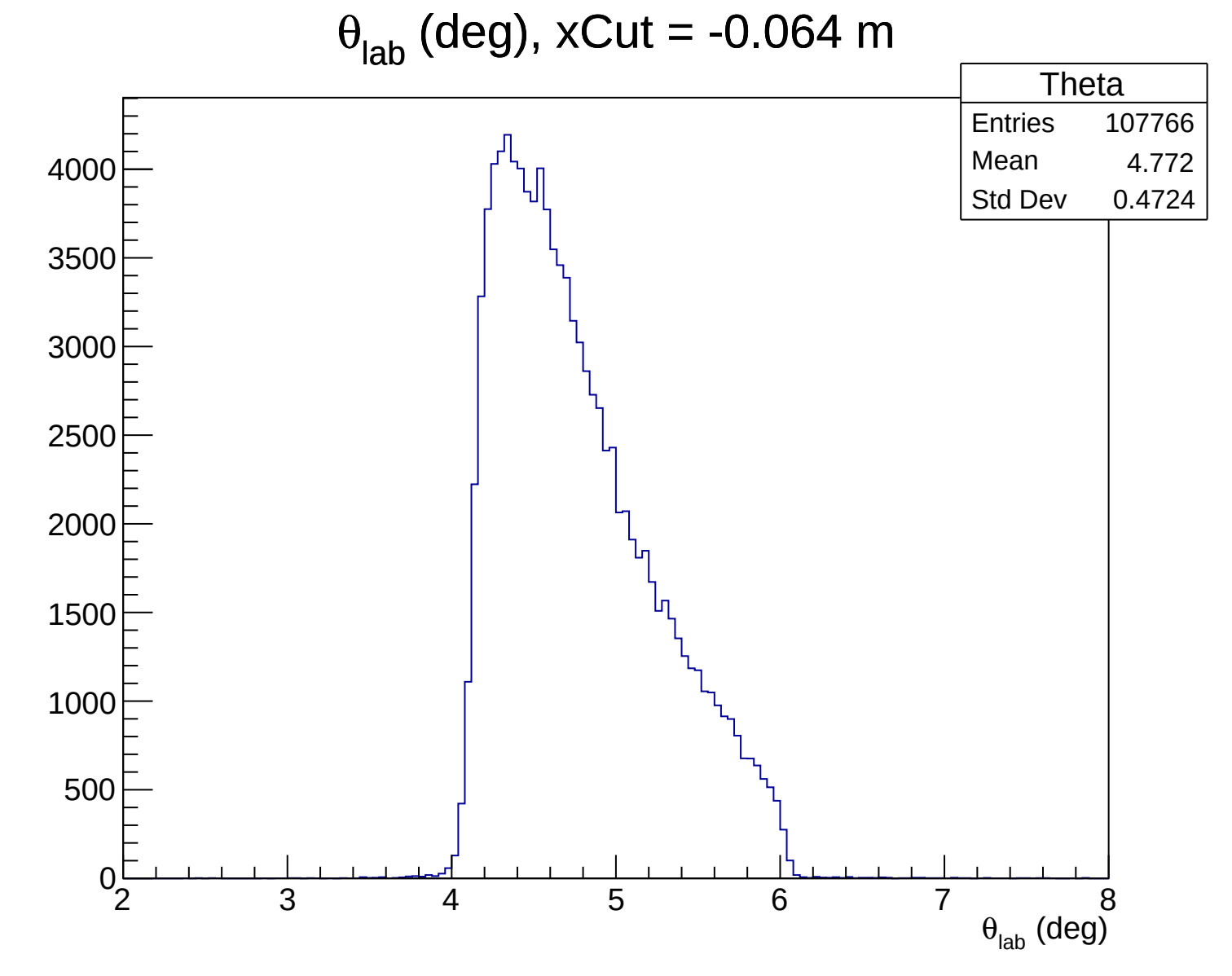

Sensitivity, xCut = -0.062 m
sens
Entries 105806
Mean 0.02212
Std Dev 0.004063
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

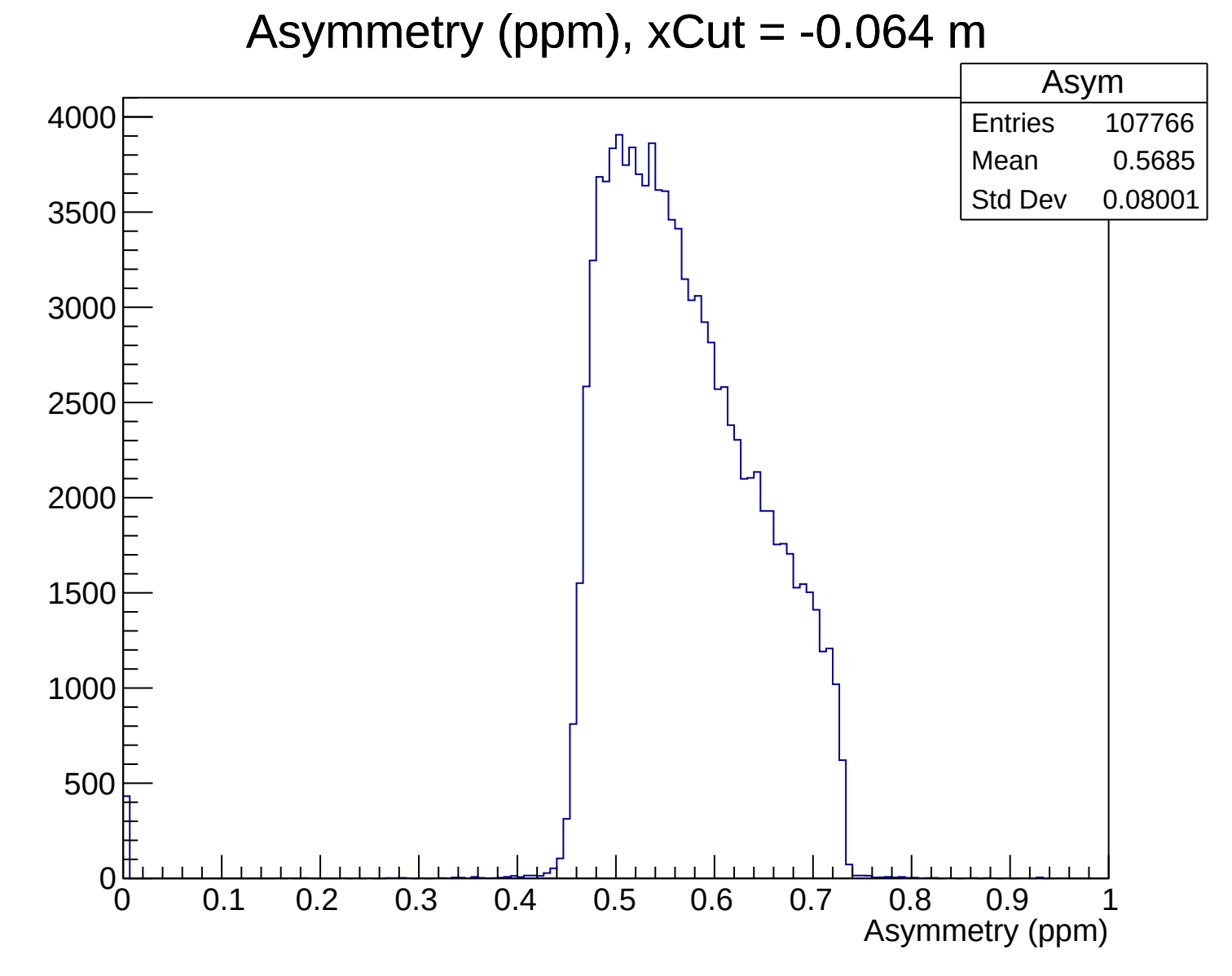

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

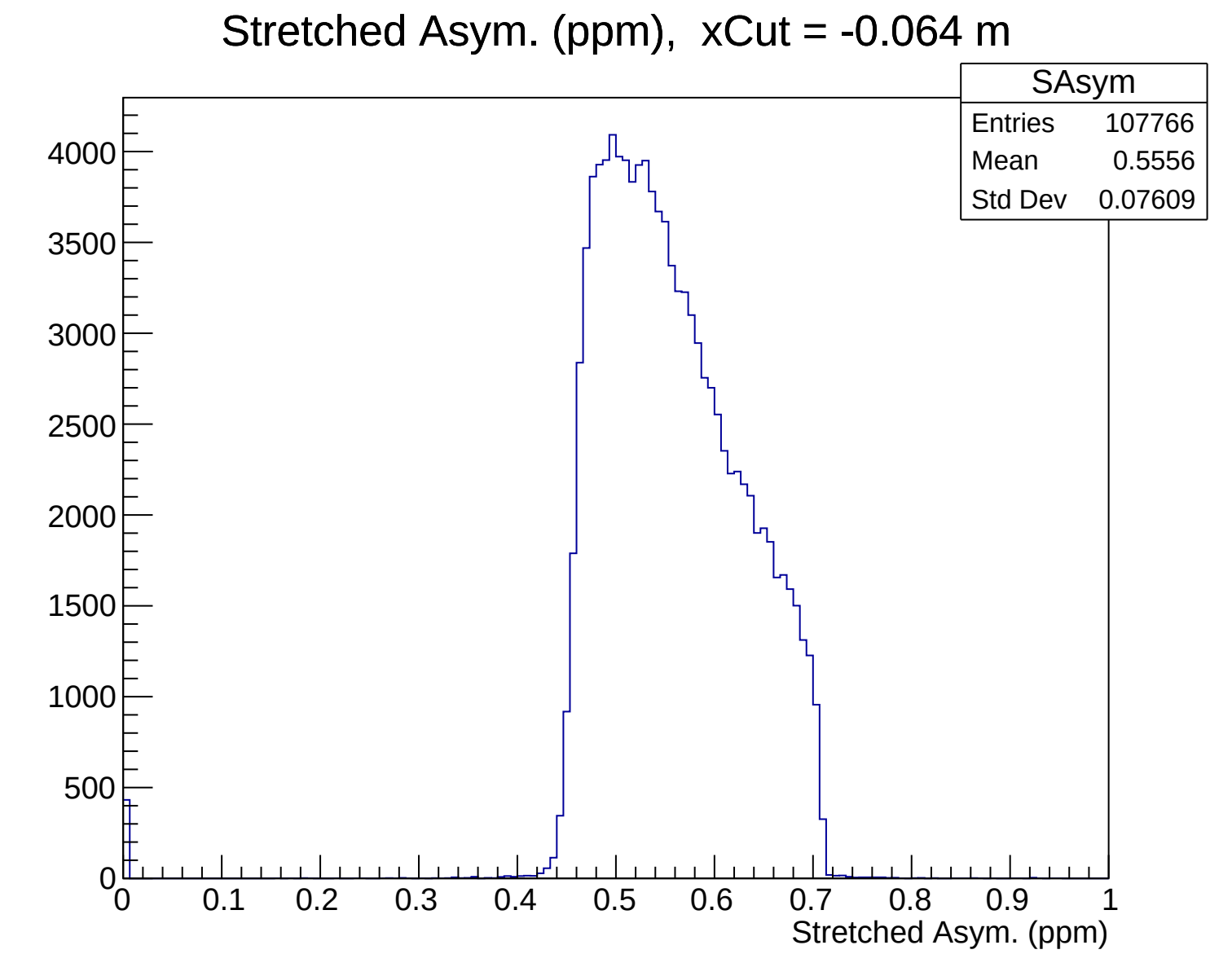

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

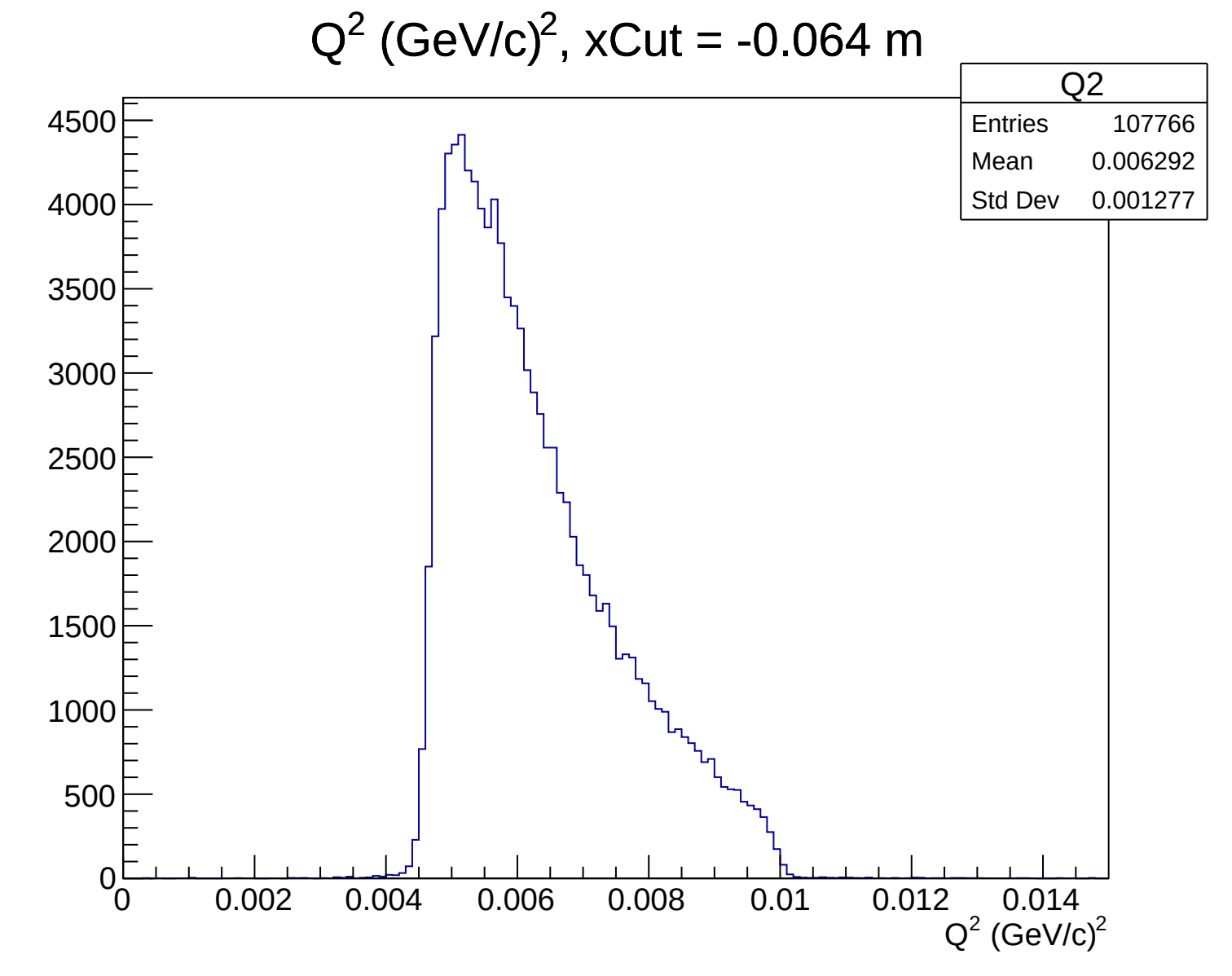

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

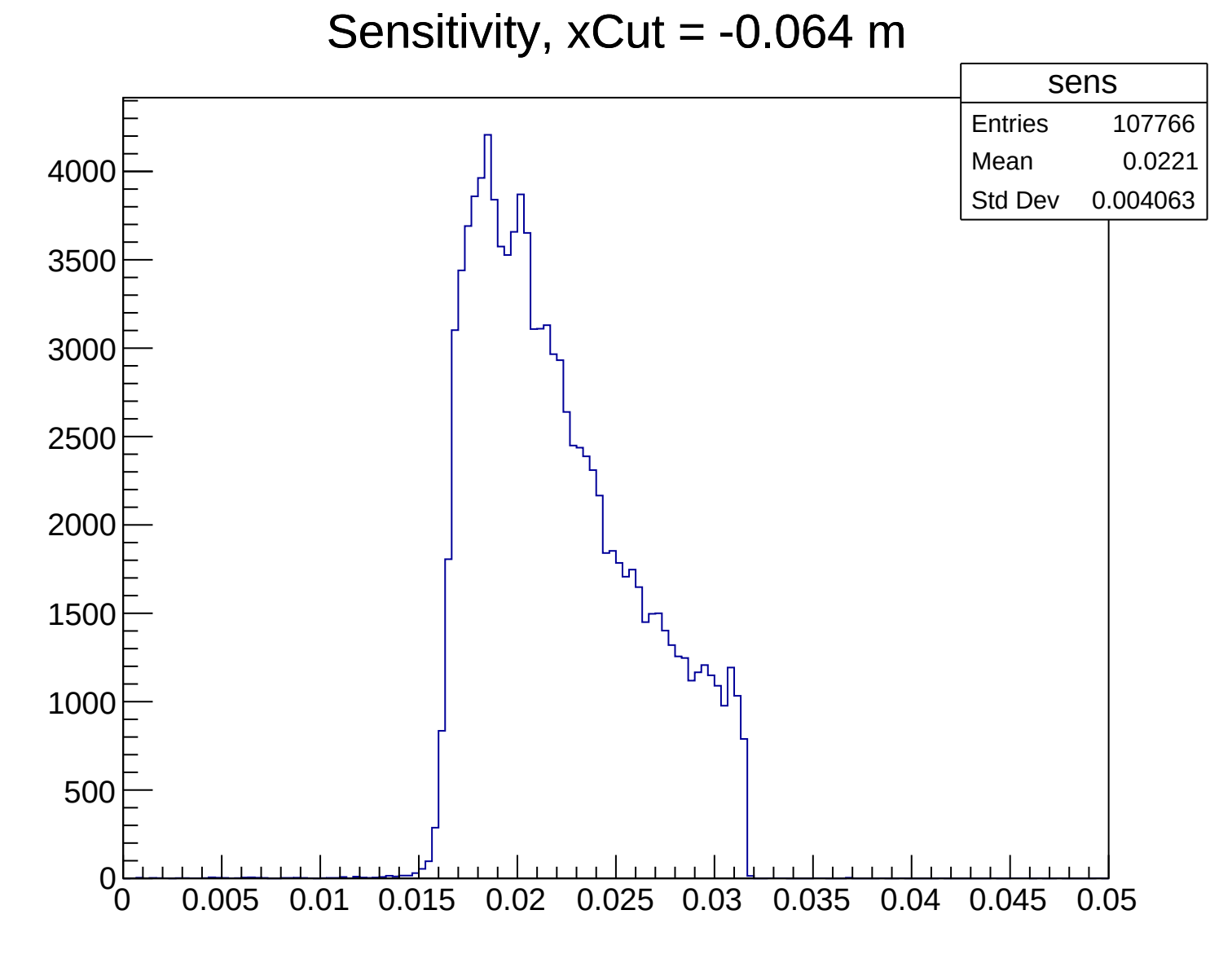

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

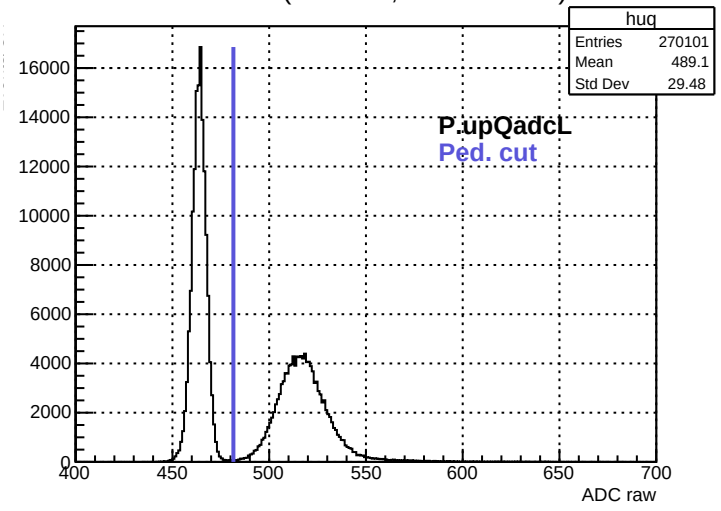

θlab (deg), xCut = -0.064 m
Theta
Entries 107766
Mean 4.772
Std Dev 0.4724
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

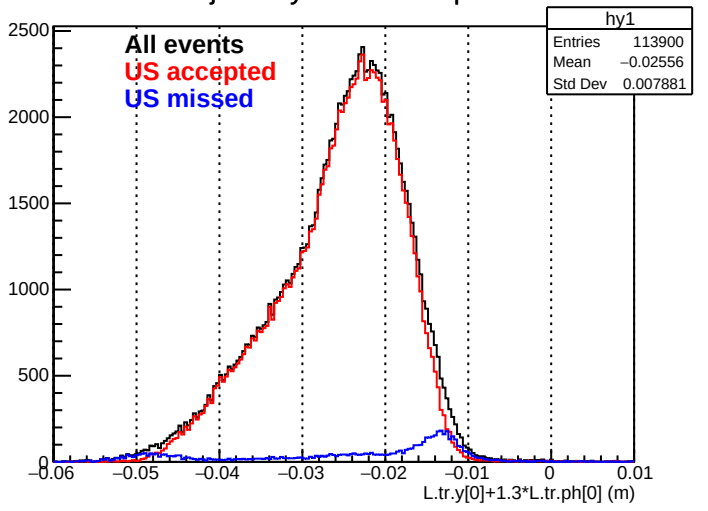

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 107766
Mean 0.5685
Std Dev 0.08001
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

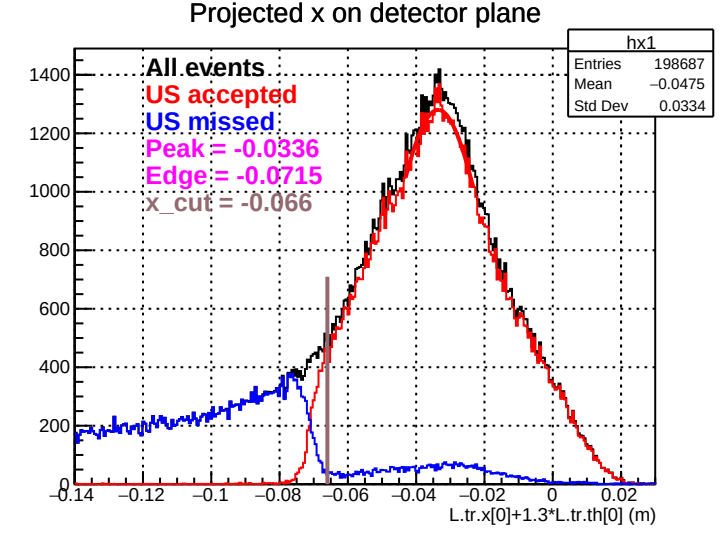

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 107766
Mean 0.5556
Std Dev 0.07609
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

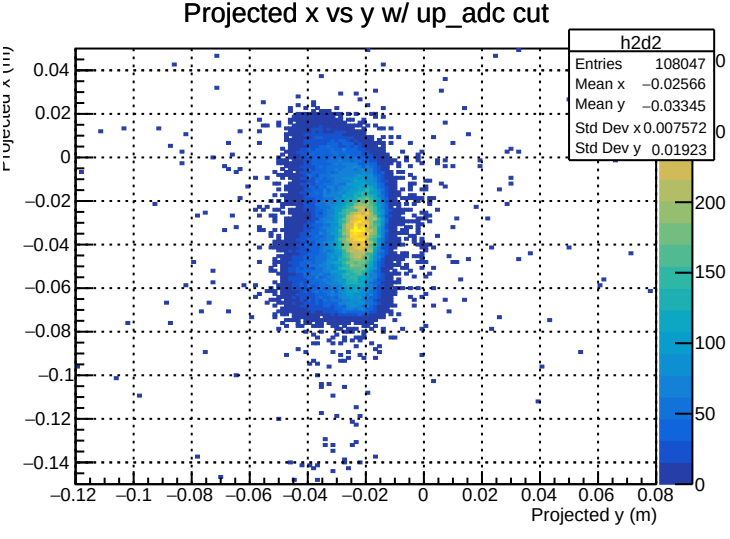

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 107766
Mean 0.006292
Std Dev 0.001277
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

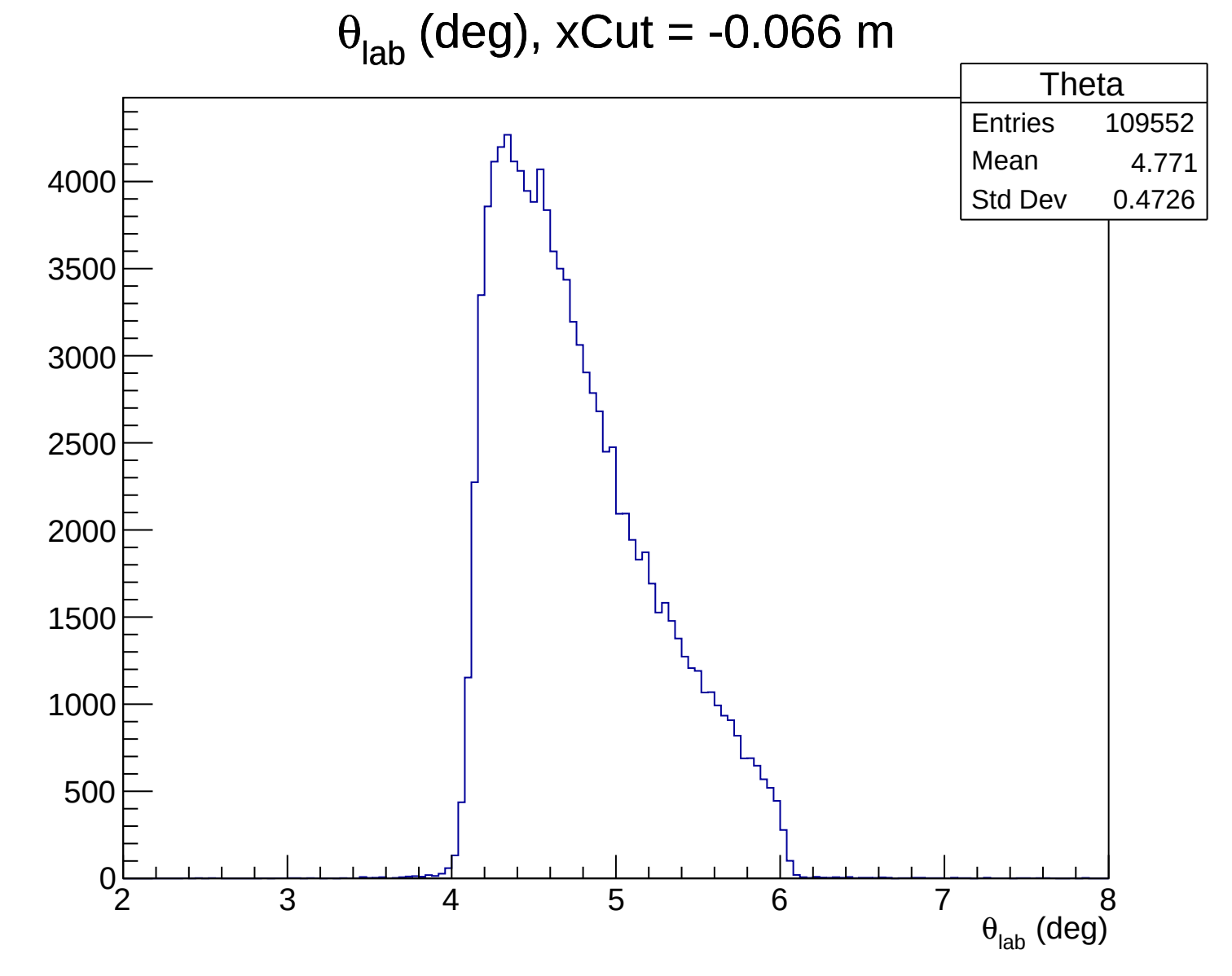

Sensitivity, xCut = -0.064 m
sens
Entries 107766
Mean 0.0221
Std Dev 0.004063
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

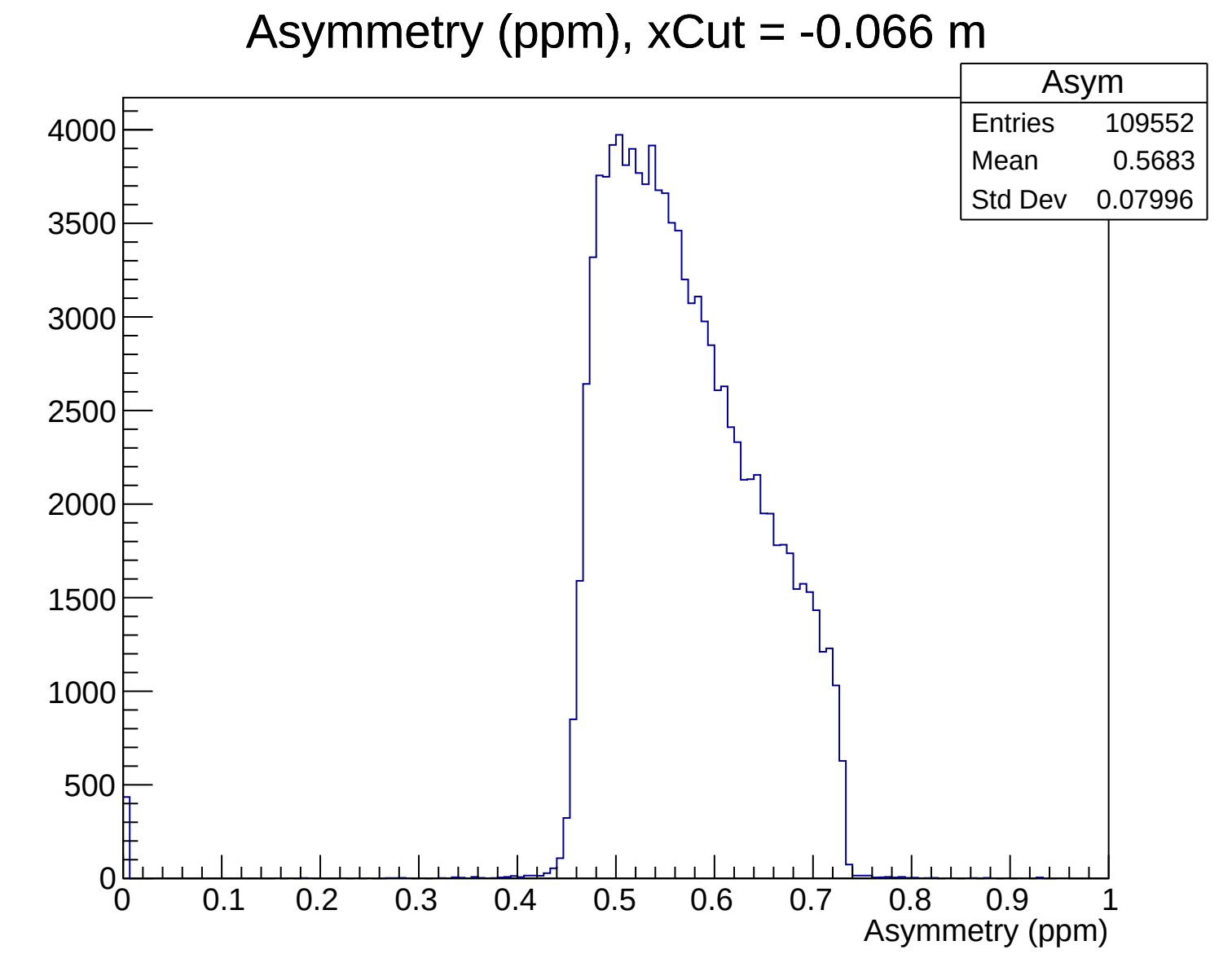

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

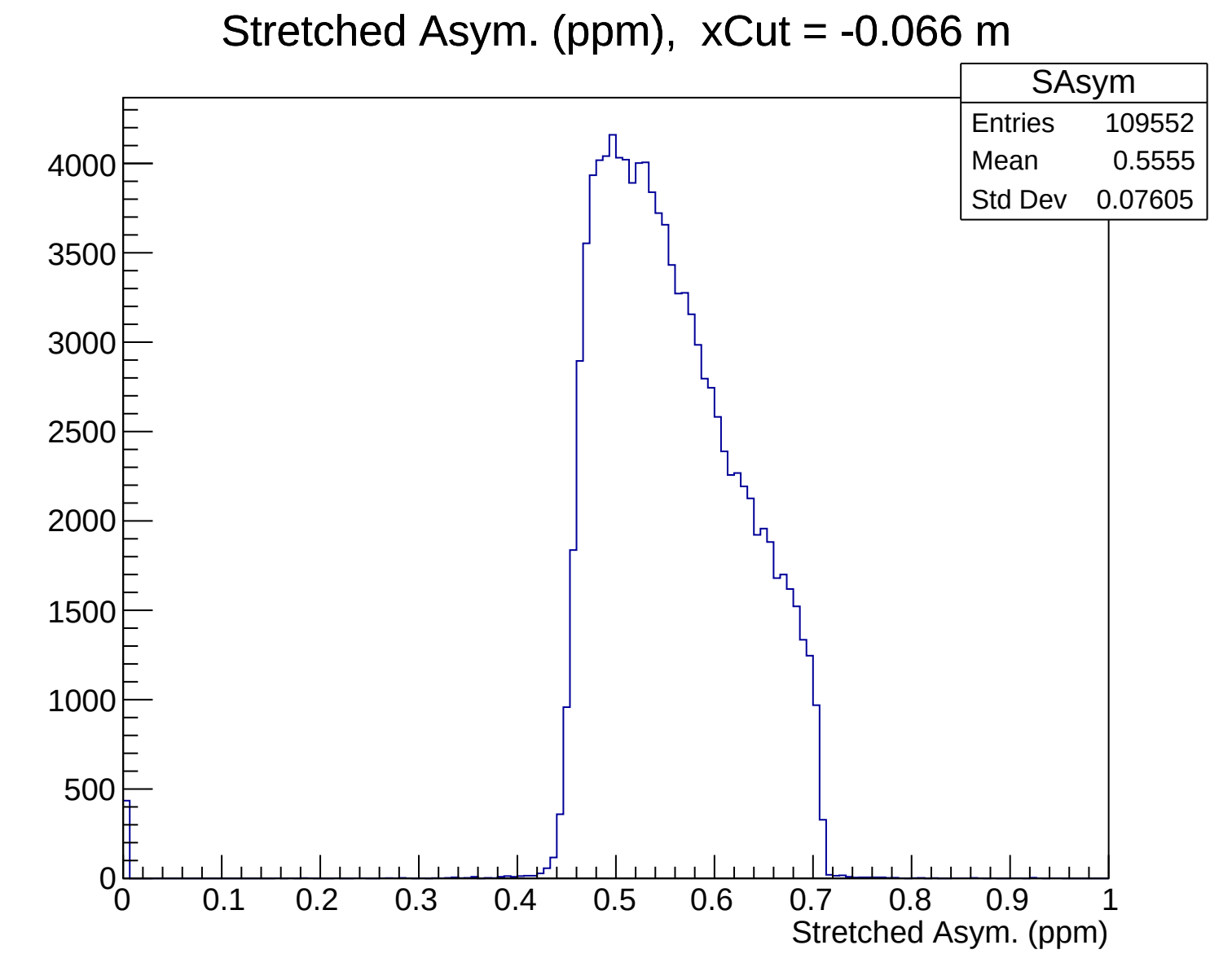

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

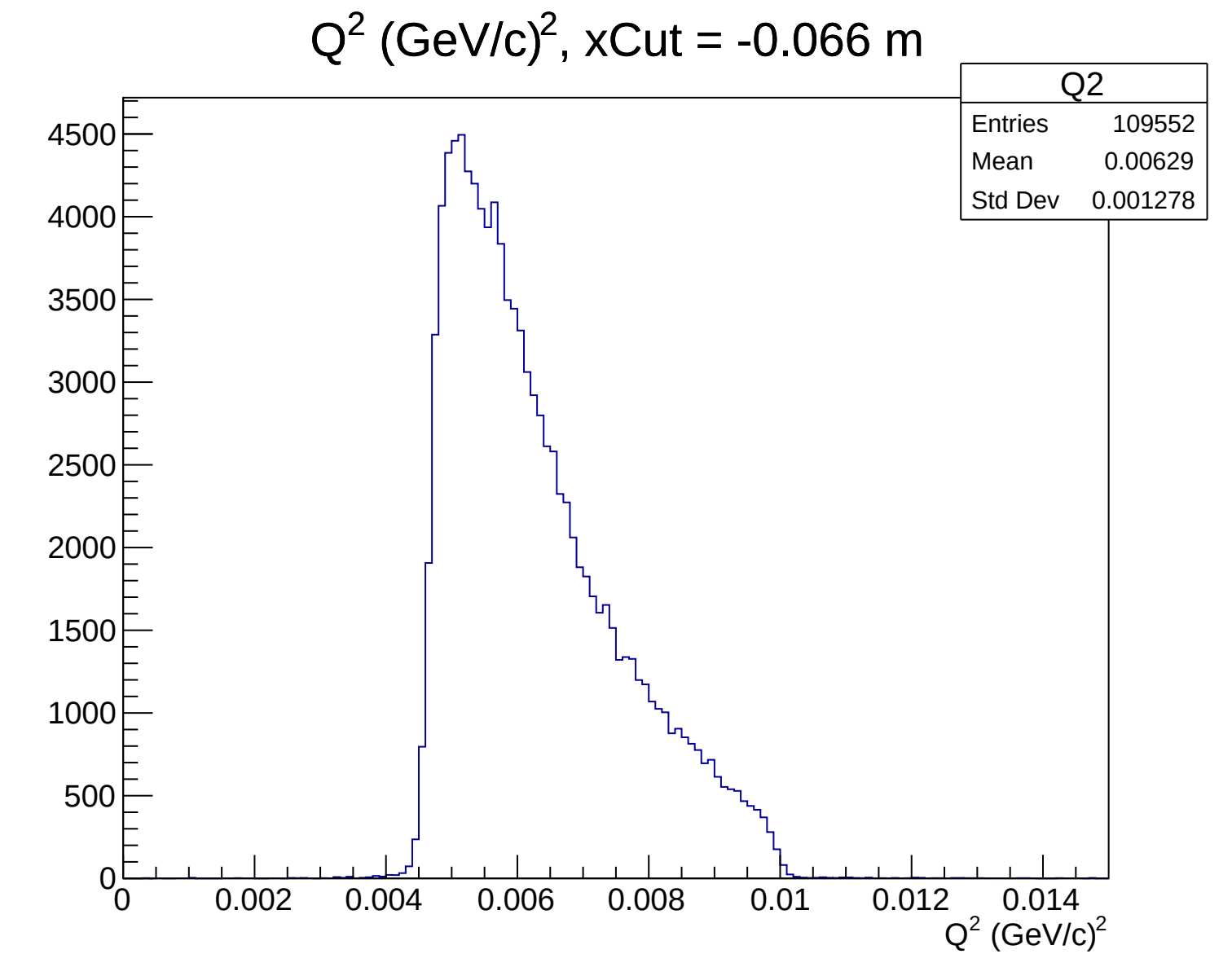

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.066
L.tr.x[0]+1.3*L.tr.th[0] (m)

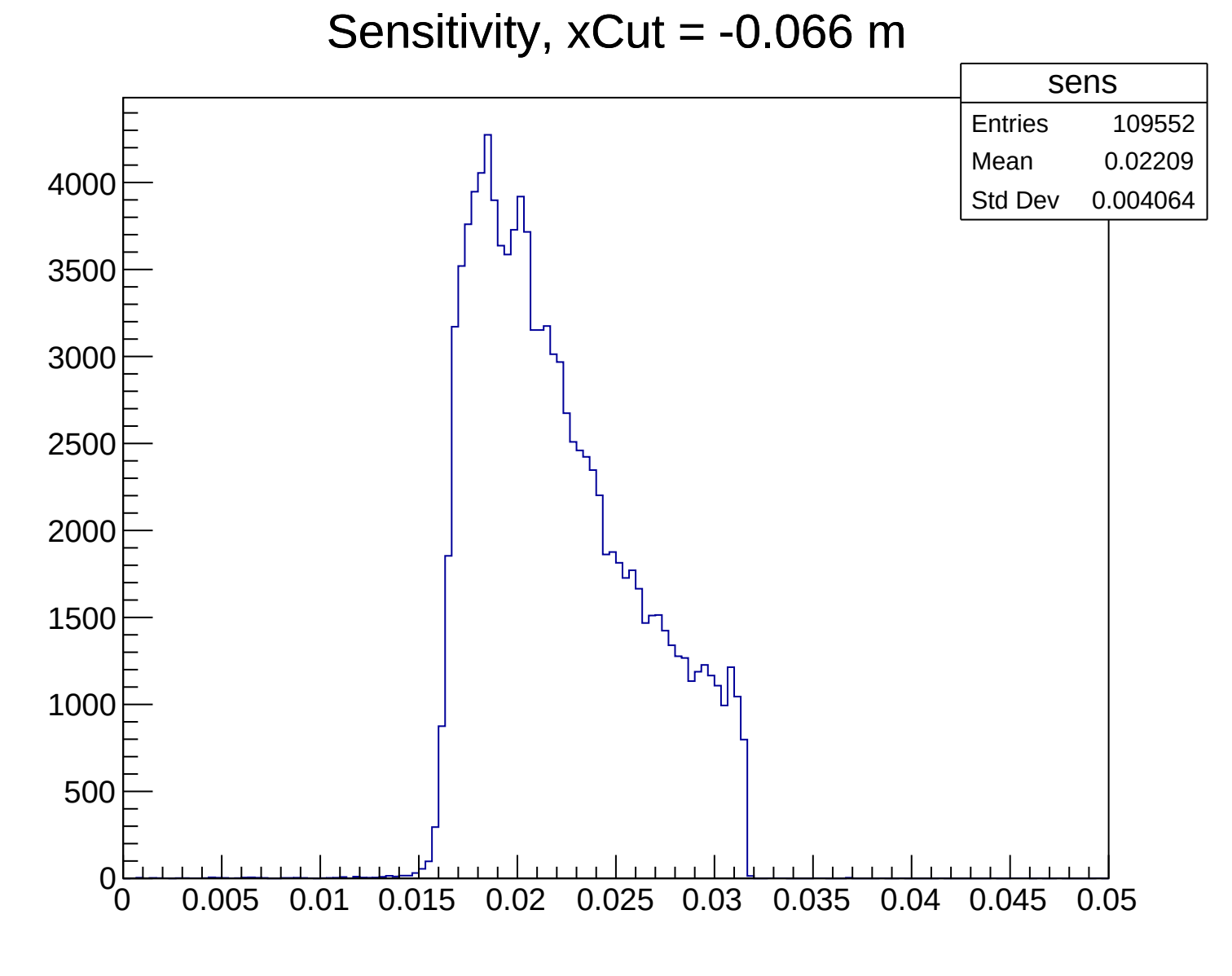

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

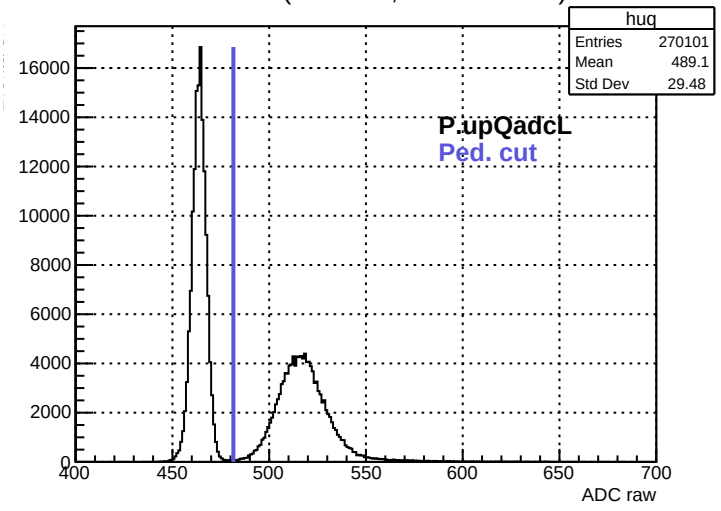

θlab (deg), xCut = -0.066 m
Theta
Entries 109552
Mean 4.771
Std Dev 0.4726
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

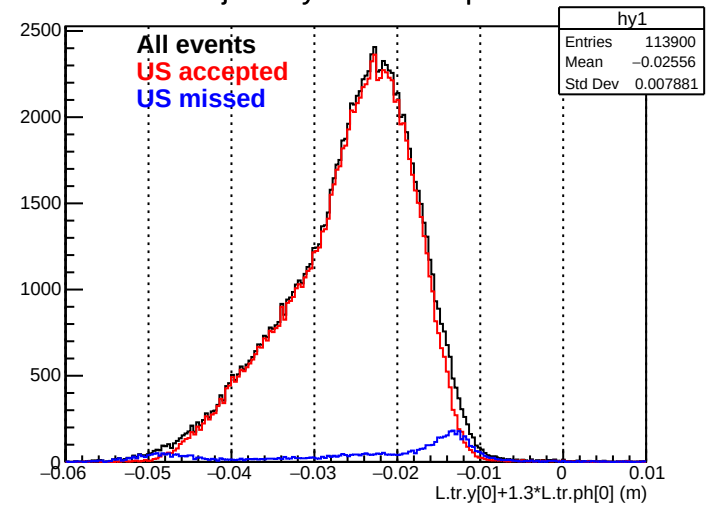

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 109552
Mean 0.5683
Std Dev 0.07996
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

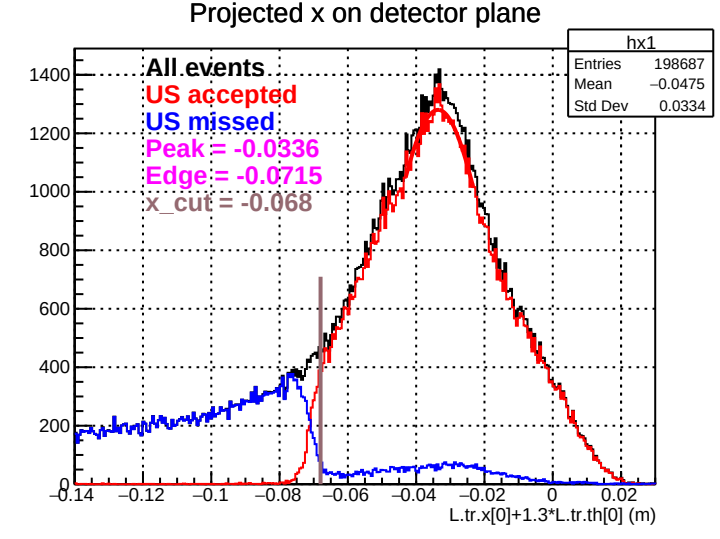

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 109552
Mean 0.5555
Std Dev 0.07605
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

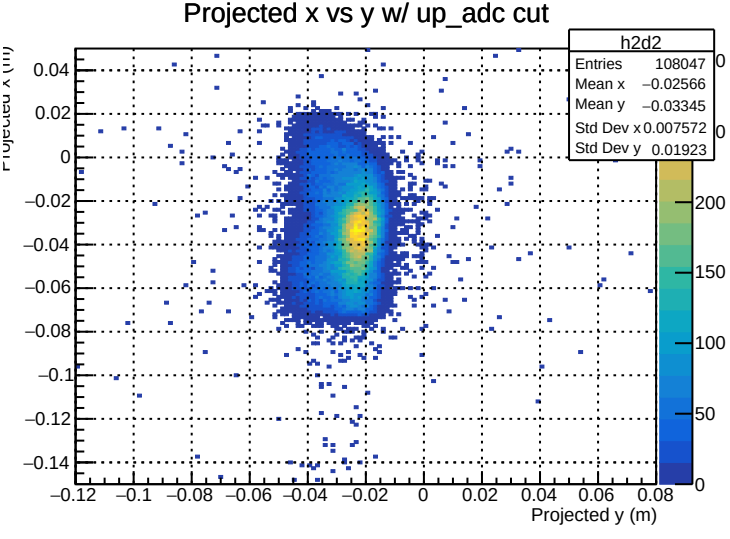

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 109552
Mean 0.00629
Std Dev 0.001278
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

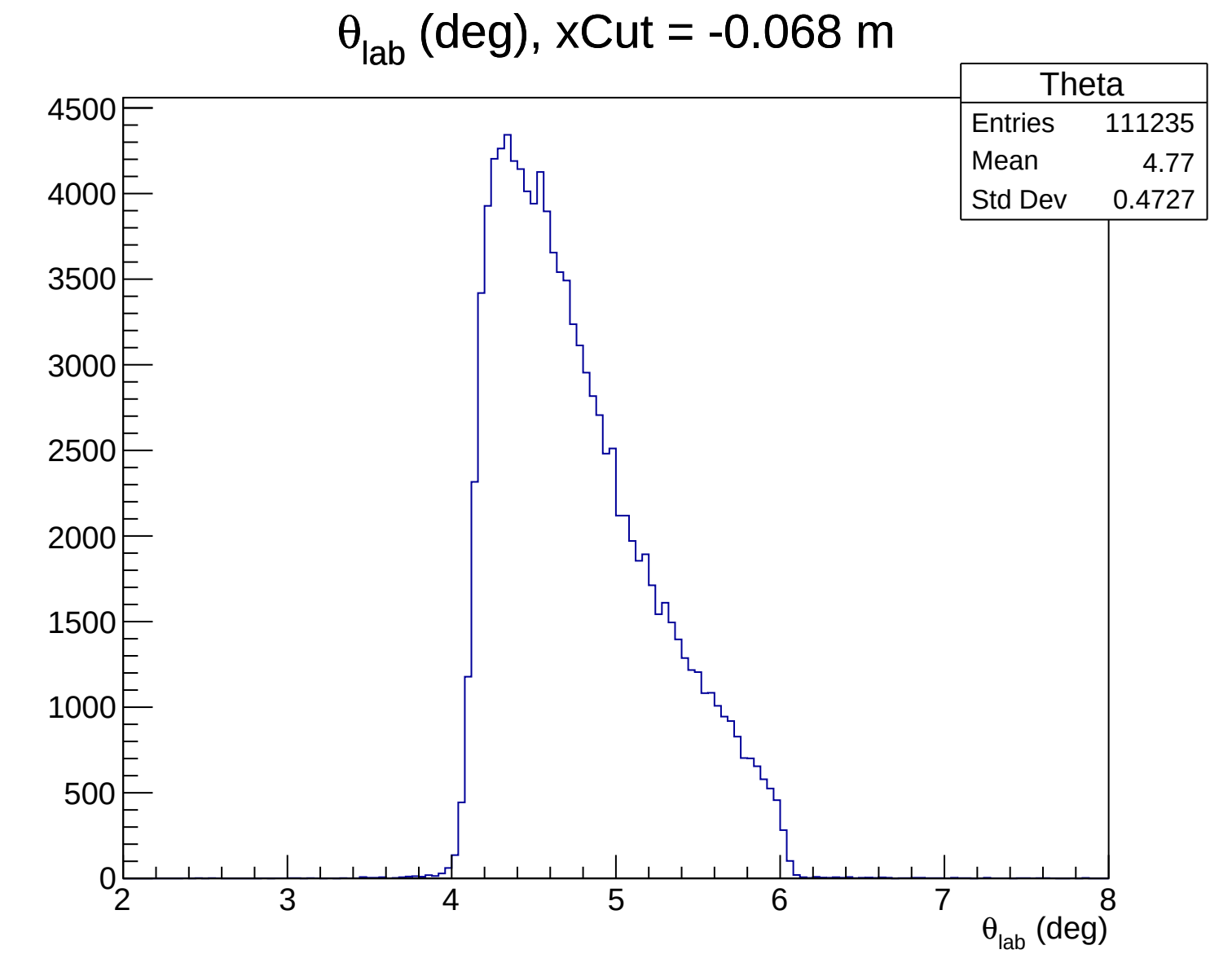

Sensitivity, xCut = -0.066 m
sens
Entries 109552
Mean 0.02209
Std Dev 0.004064
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

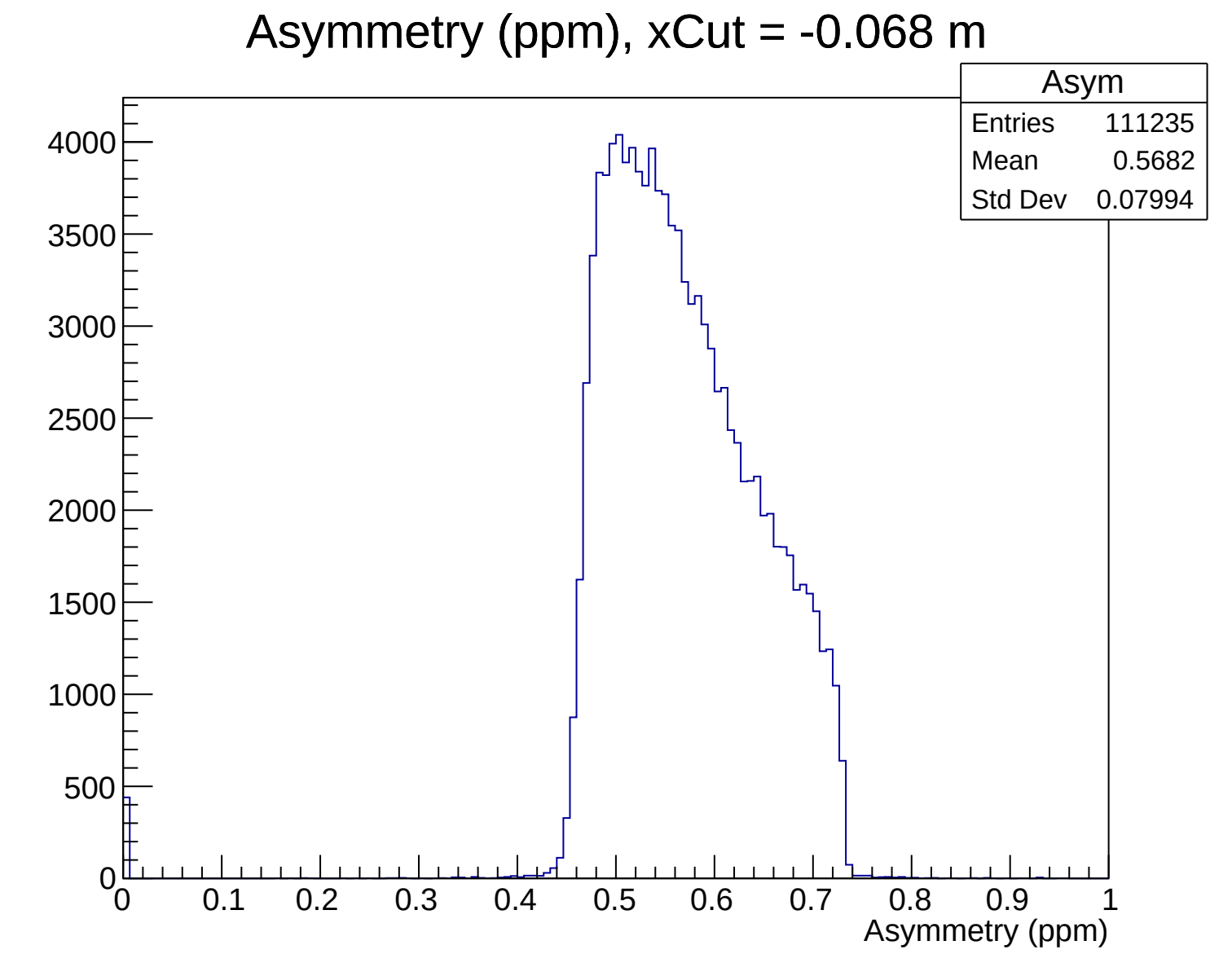

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

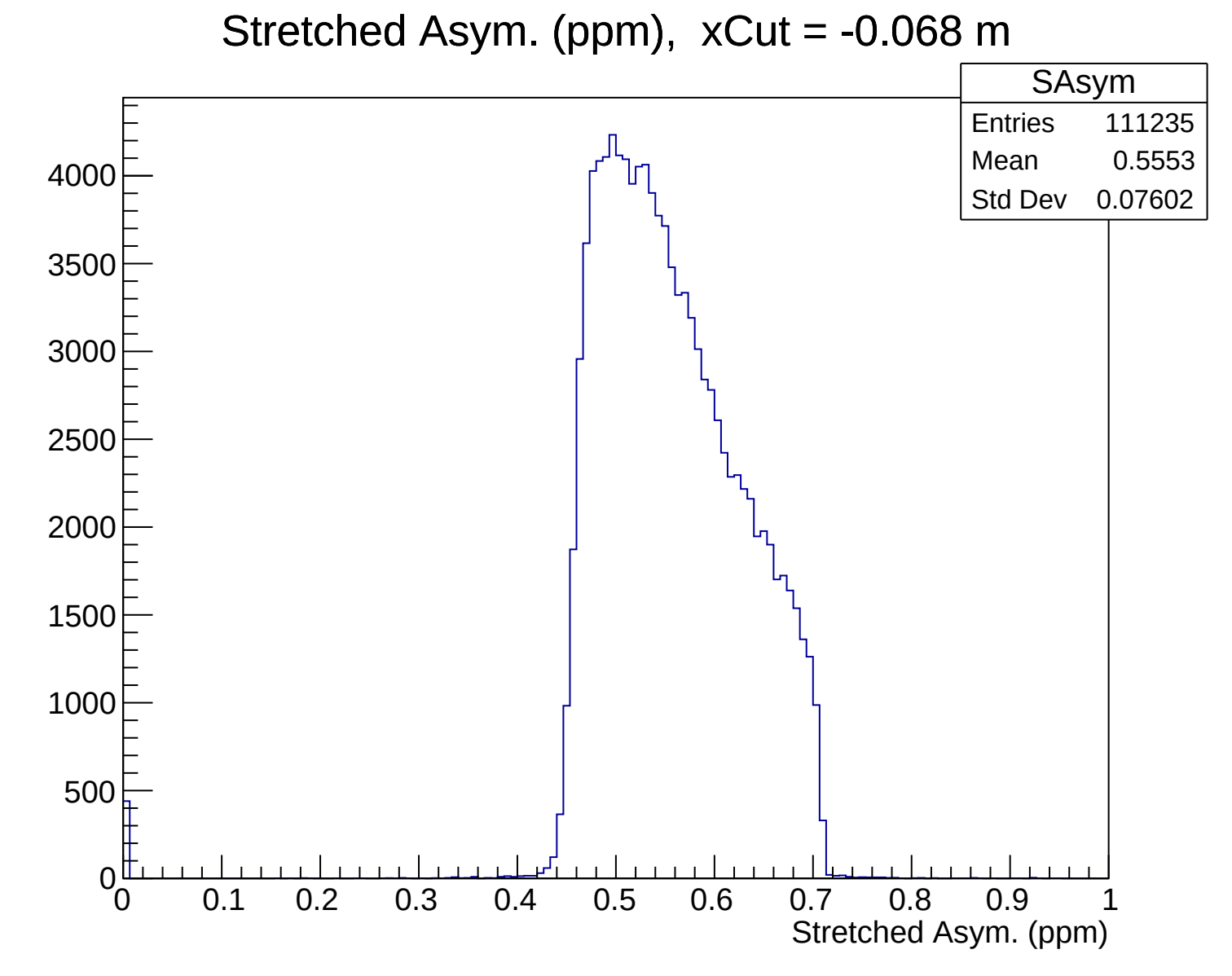

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

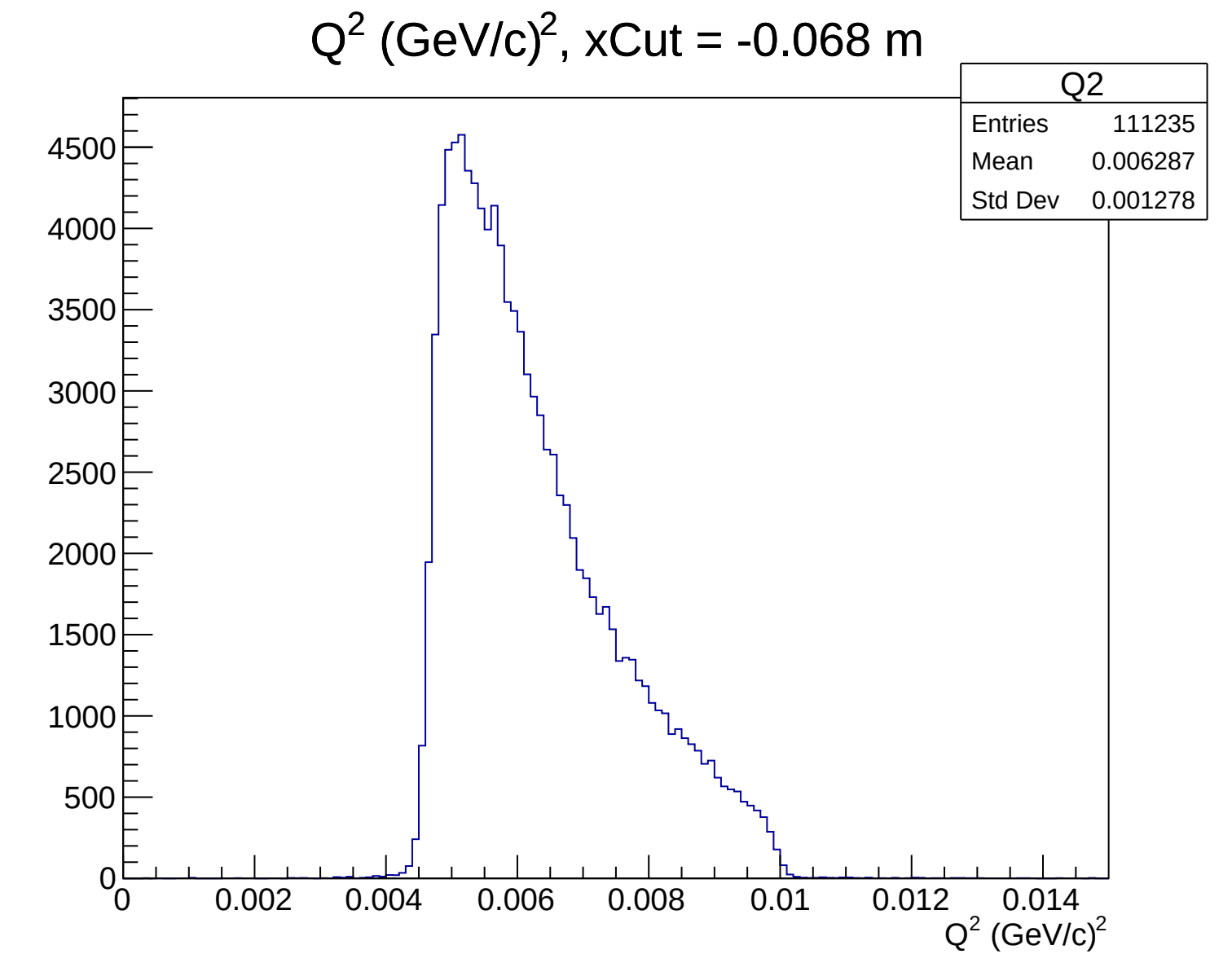

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

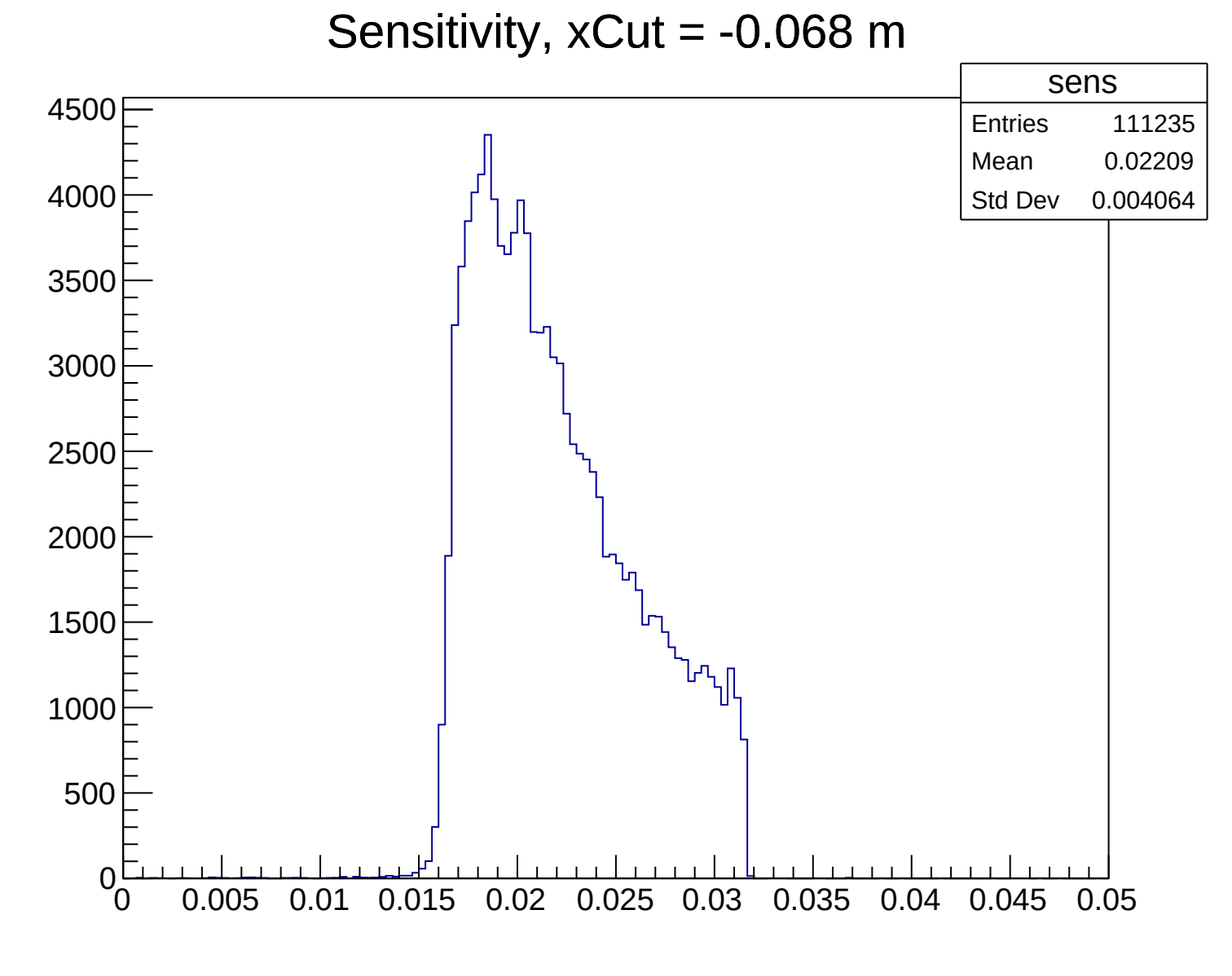

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

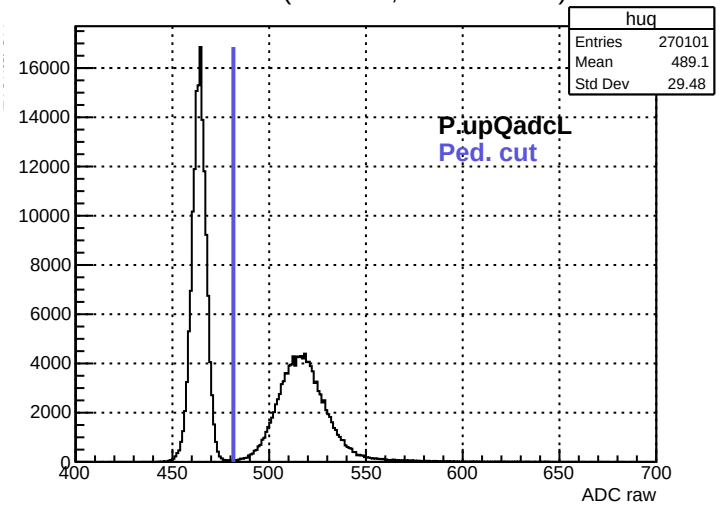

θlab (deg), xCut = -0.068 m
Theta
Entries 111235
Mean 4.77
Std Dev 0.4727
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

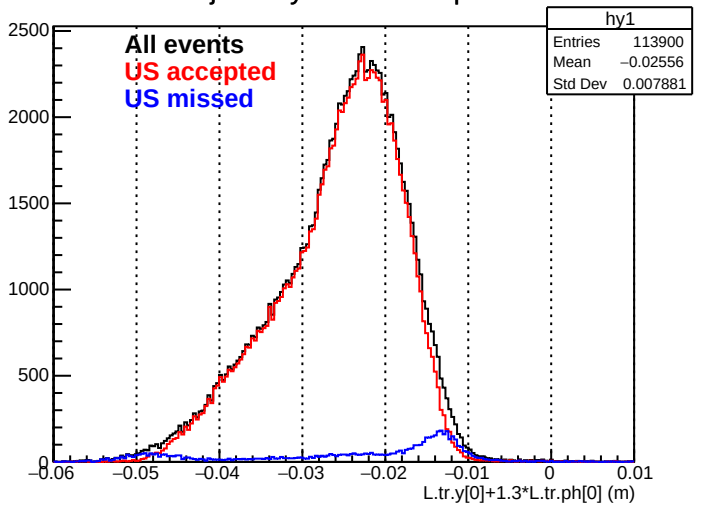

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 111235
Mean 0.5682
Std Dev 0.07994
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

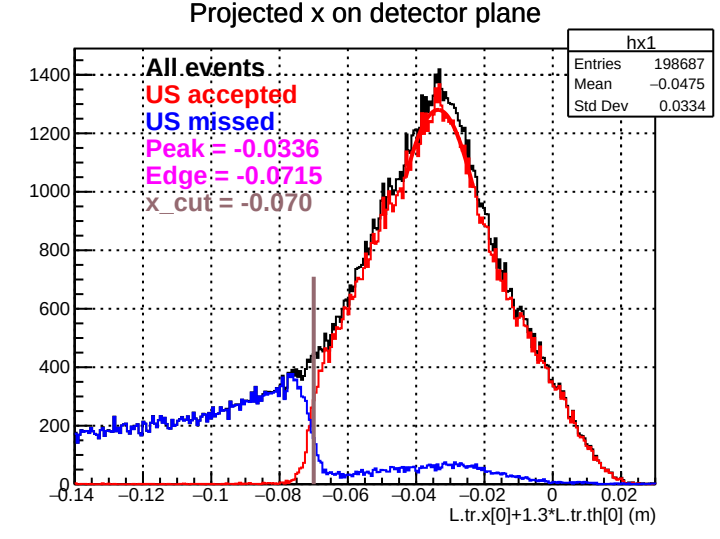

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 111235
Mean 0.5553
Std Dev 0.07602
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

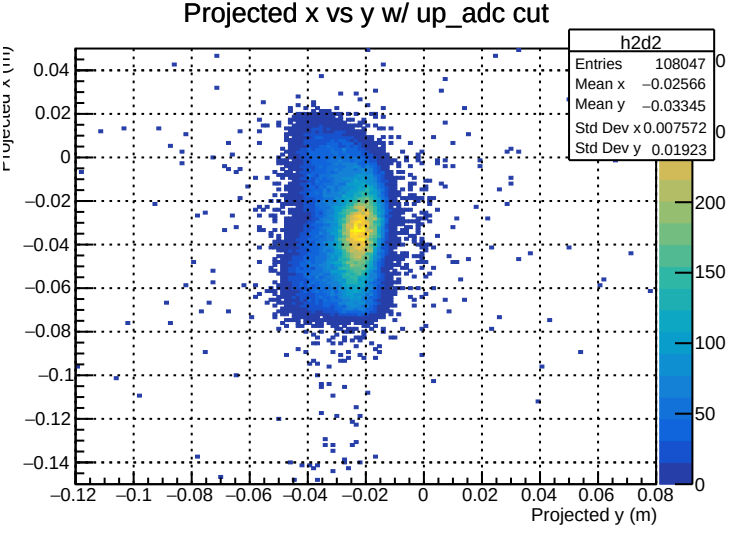

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 111235
Mean 0.006287
Std Dev 0.001278
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

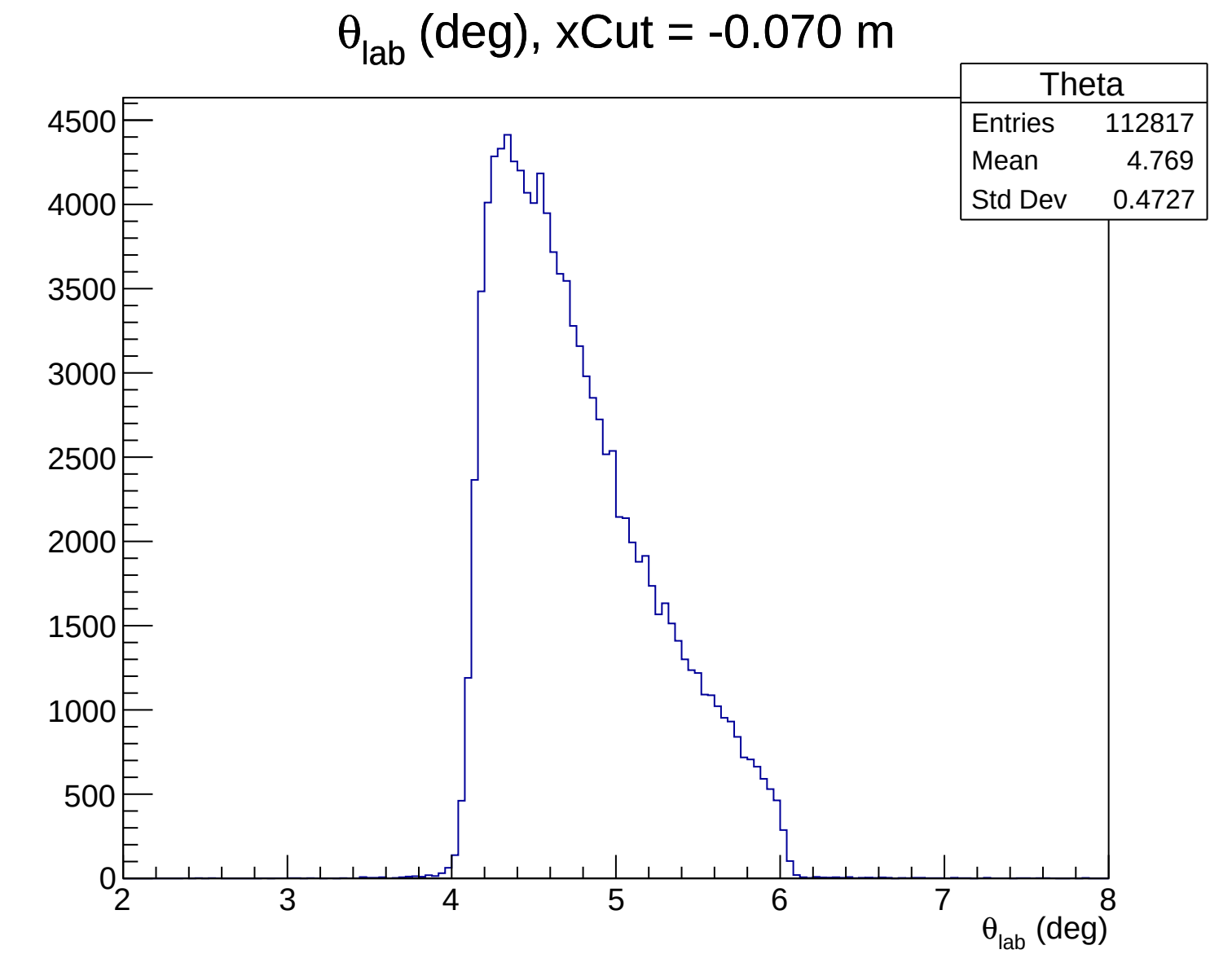

Sensitivity, xCut = -0.068 m
sens
Entries 111235
Mean 0.02209
Std Dev 0.004064
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

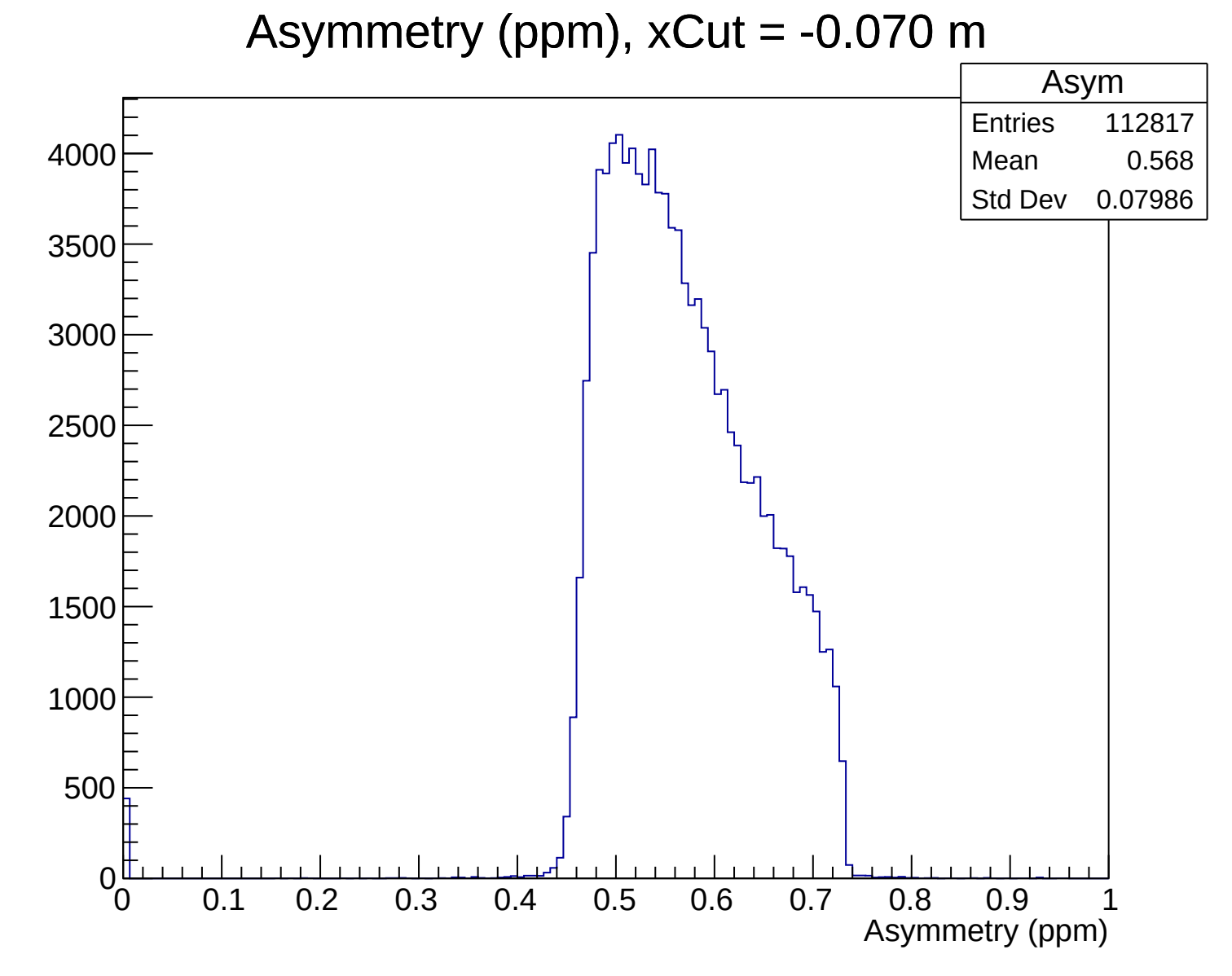

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

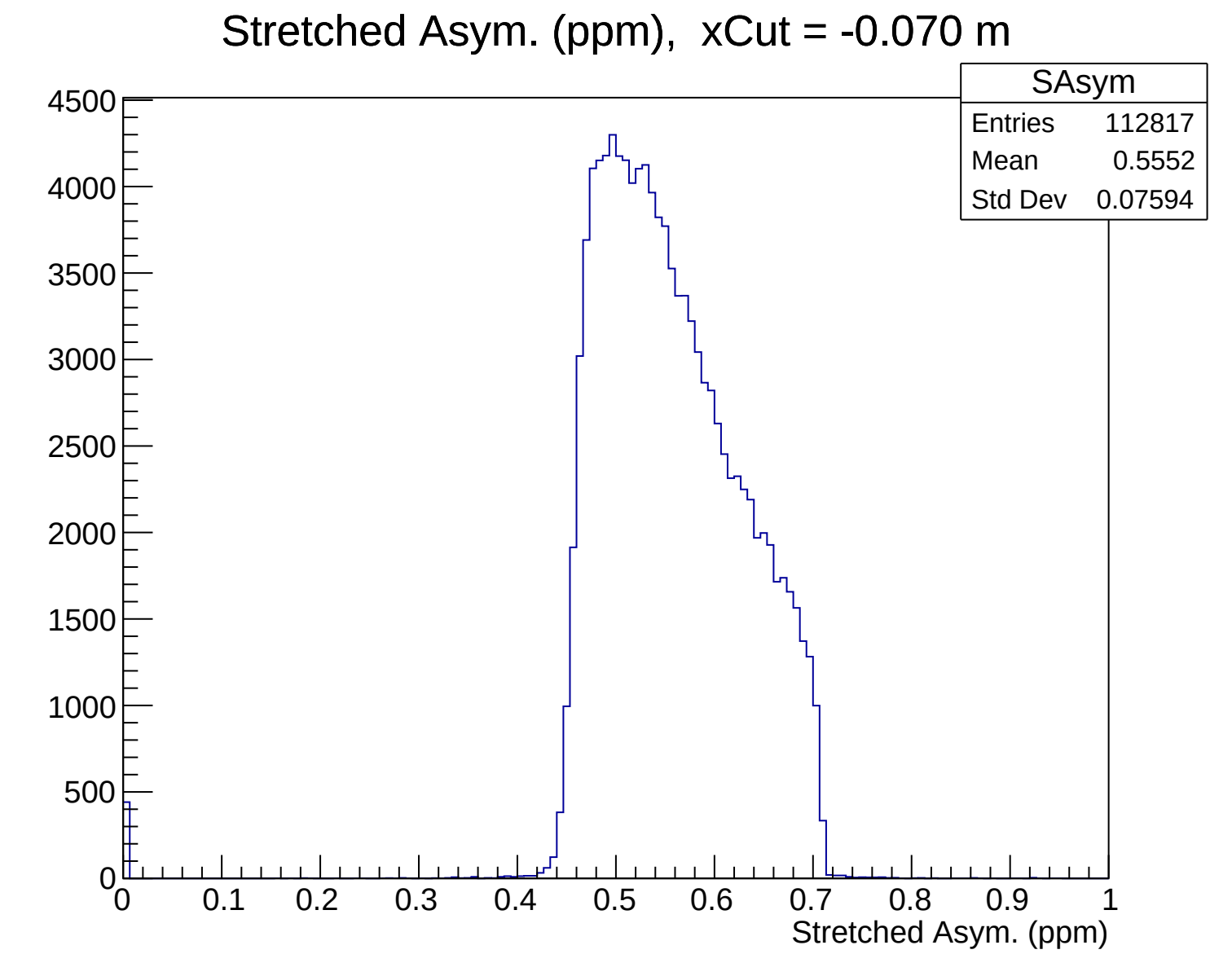

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

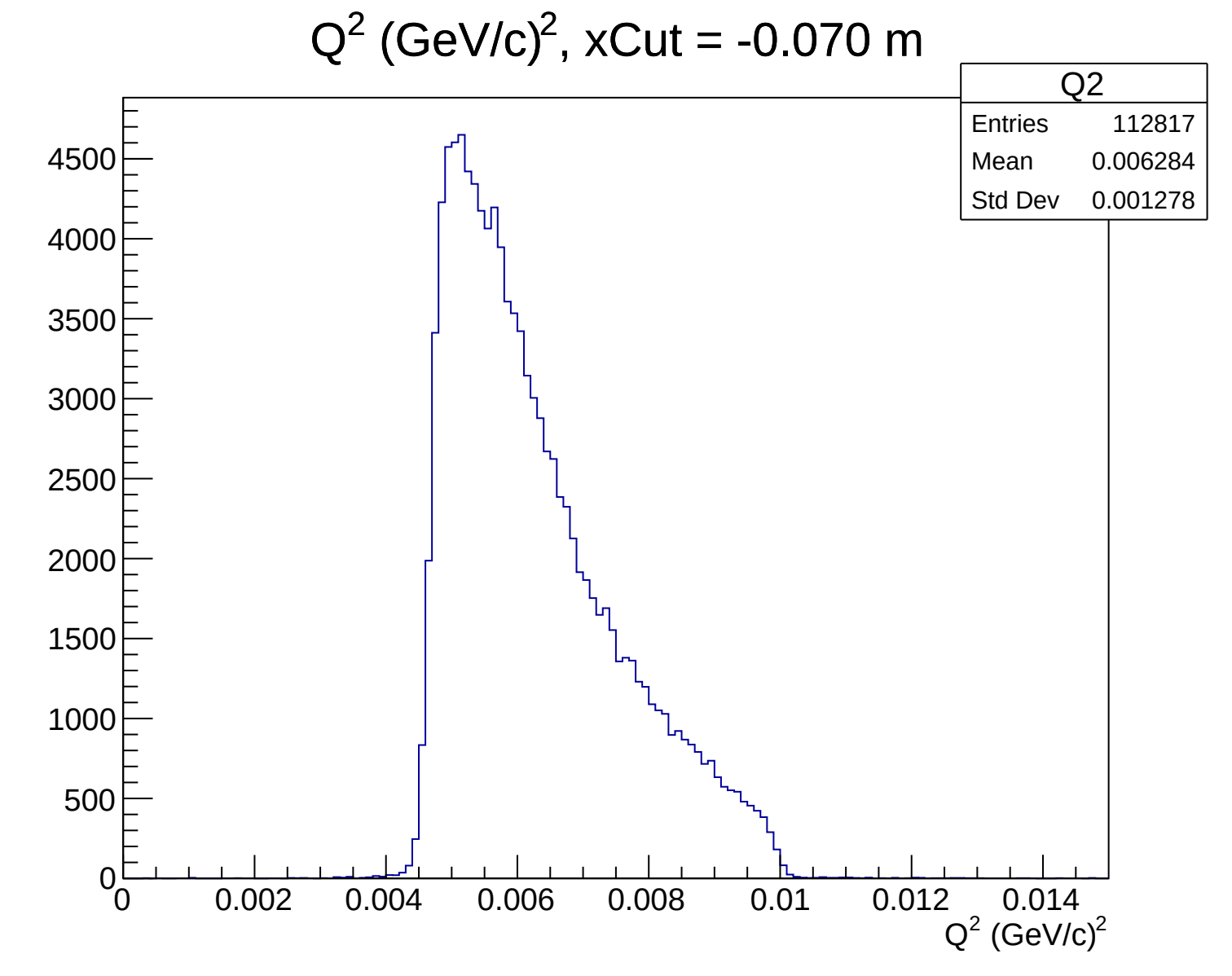

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

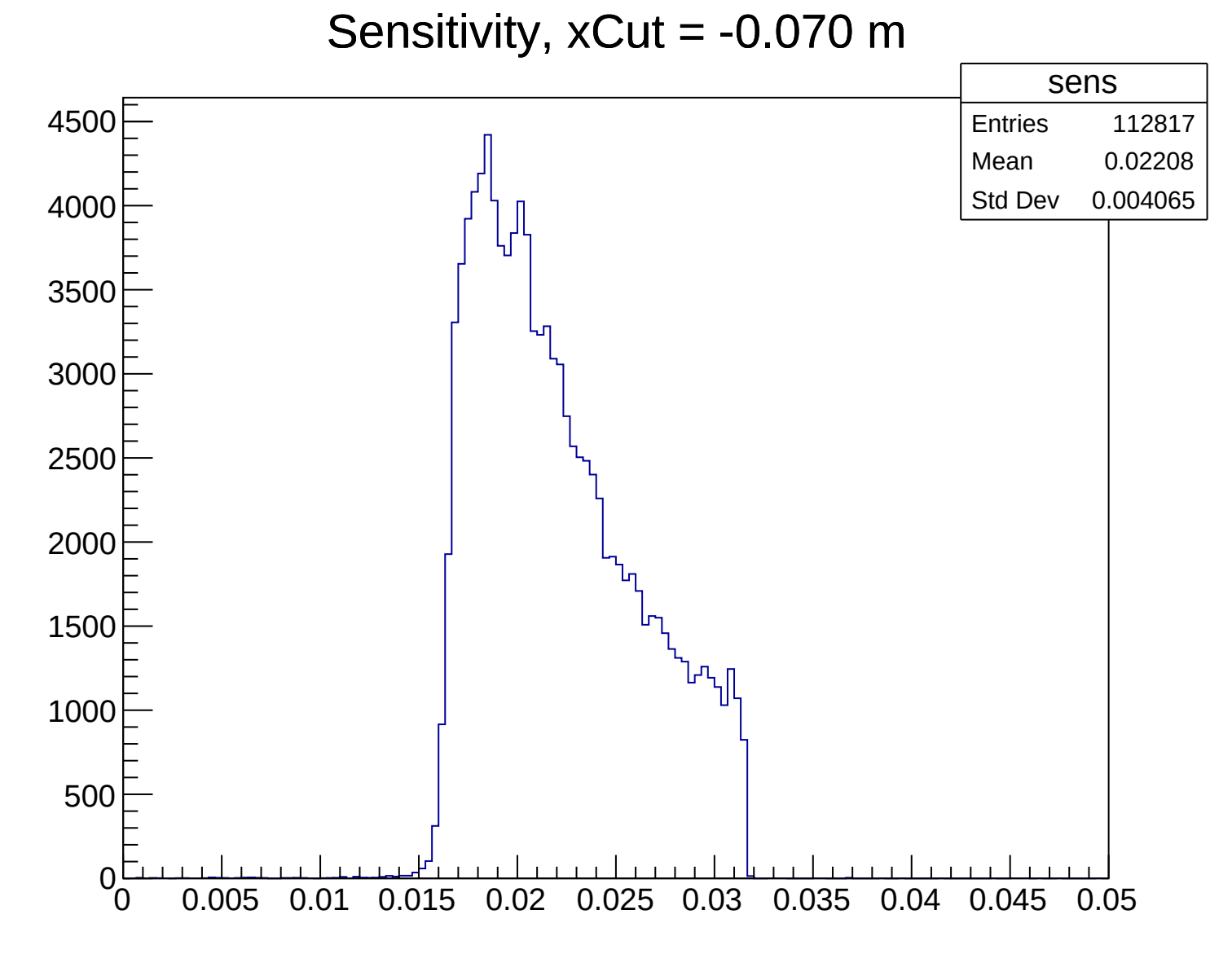

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

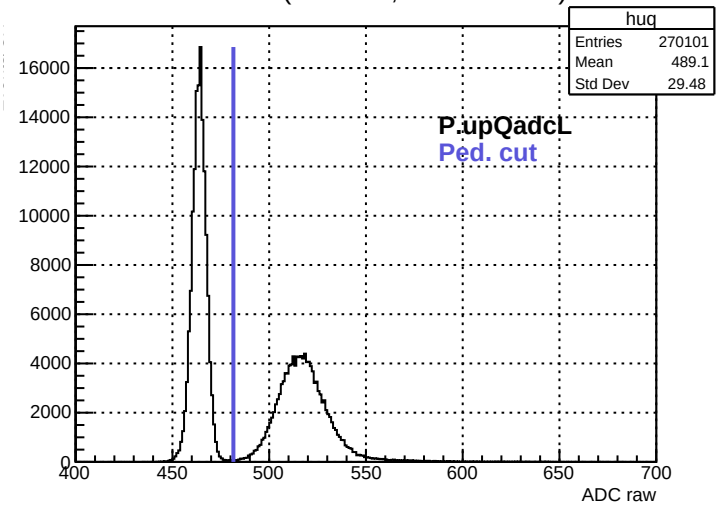

θlab (deg), xCut = -0.070 m
Theta
Entries 112817
Mean 4.769
Std Dev 0.4727
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

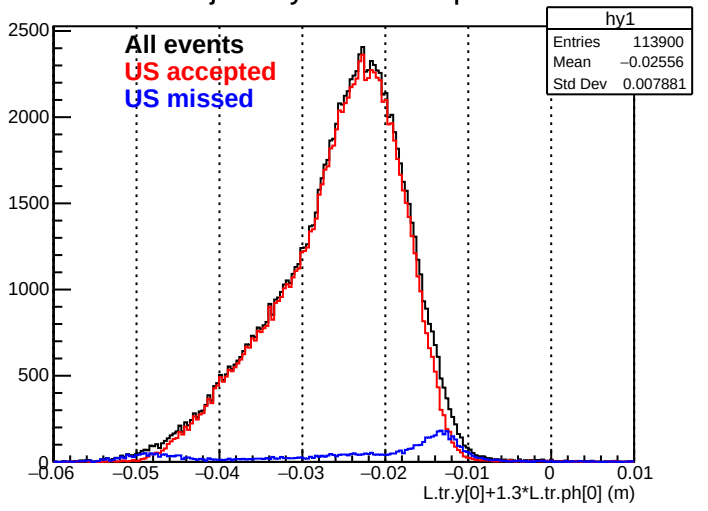

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 112817
Mean 0.568
Std Dev 0.07986
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

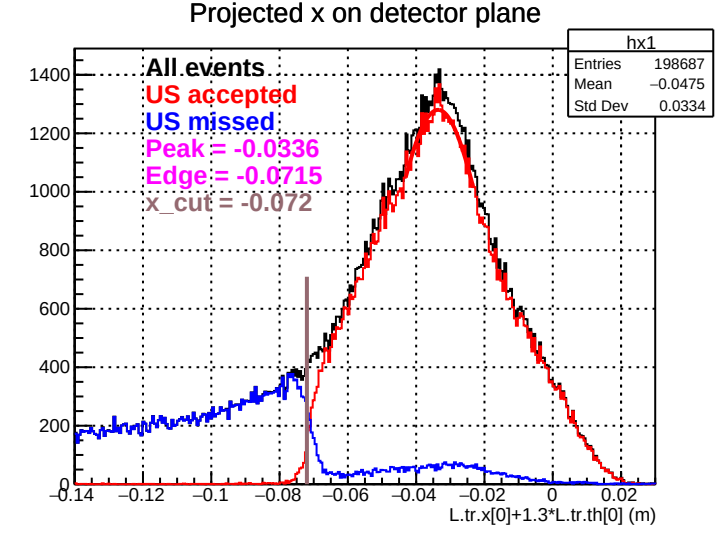

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 112817
Mean 0.5552
Std Dev 0.07594
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

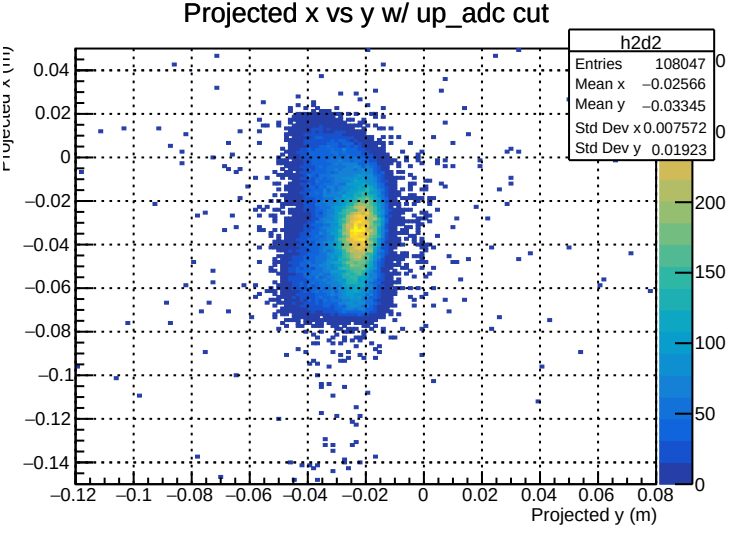

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 112817
Mean 0.006284
Std Dev 0.001278
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

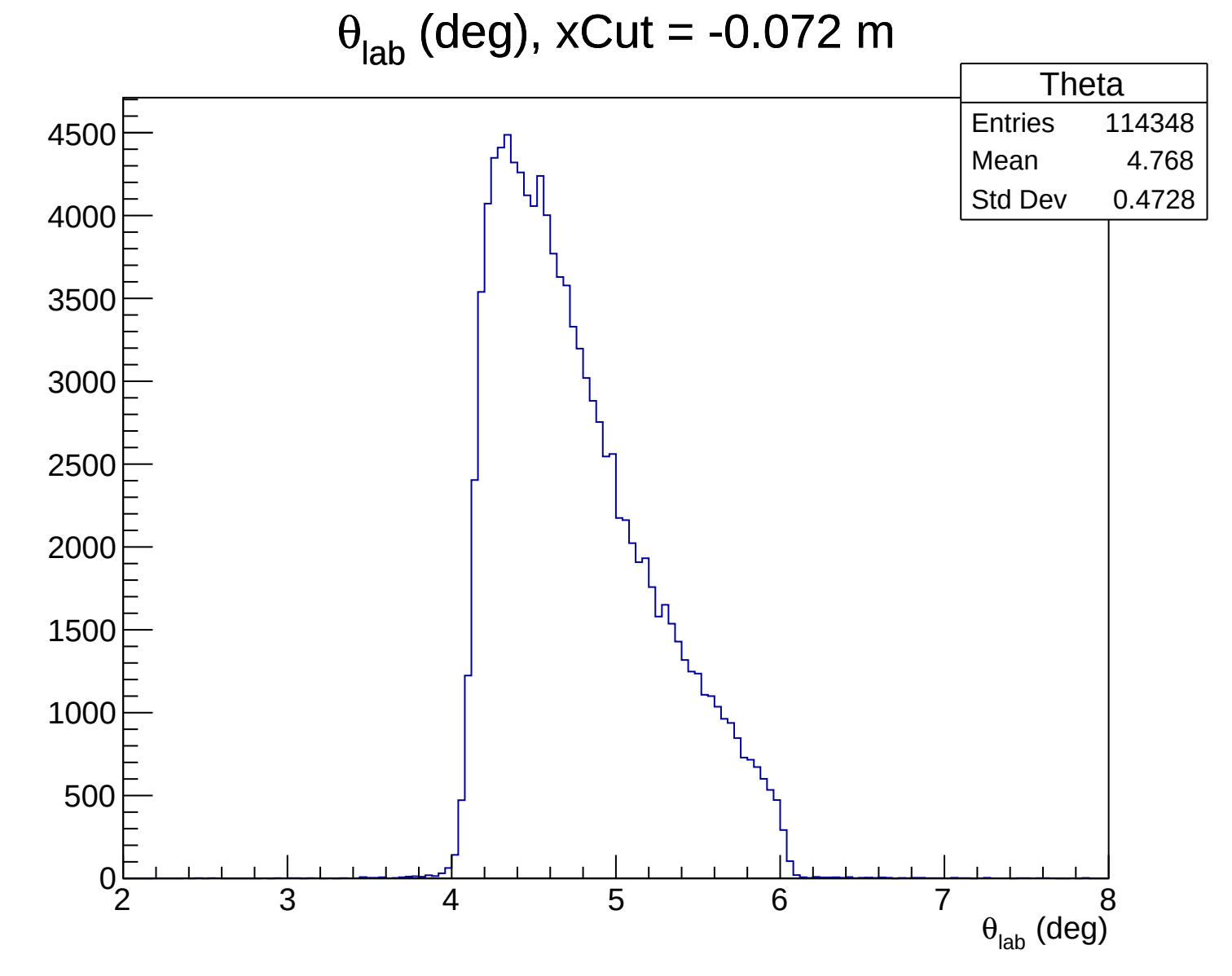

Sensitivity, xCut = -0.070 m
sens
Entries 112817
Mean 0.02208
Std Dev 0.004065
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

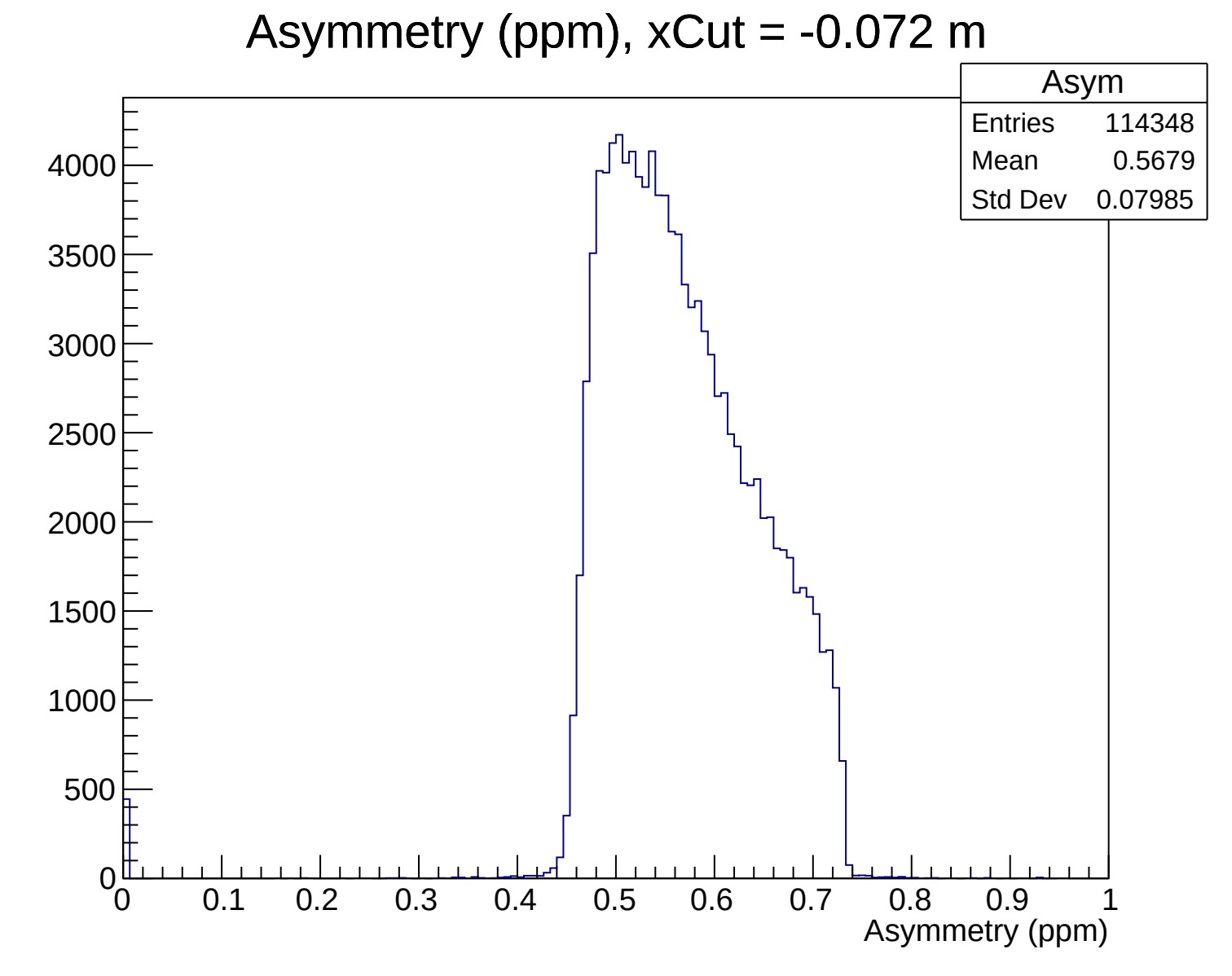

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

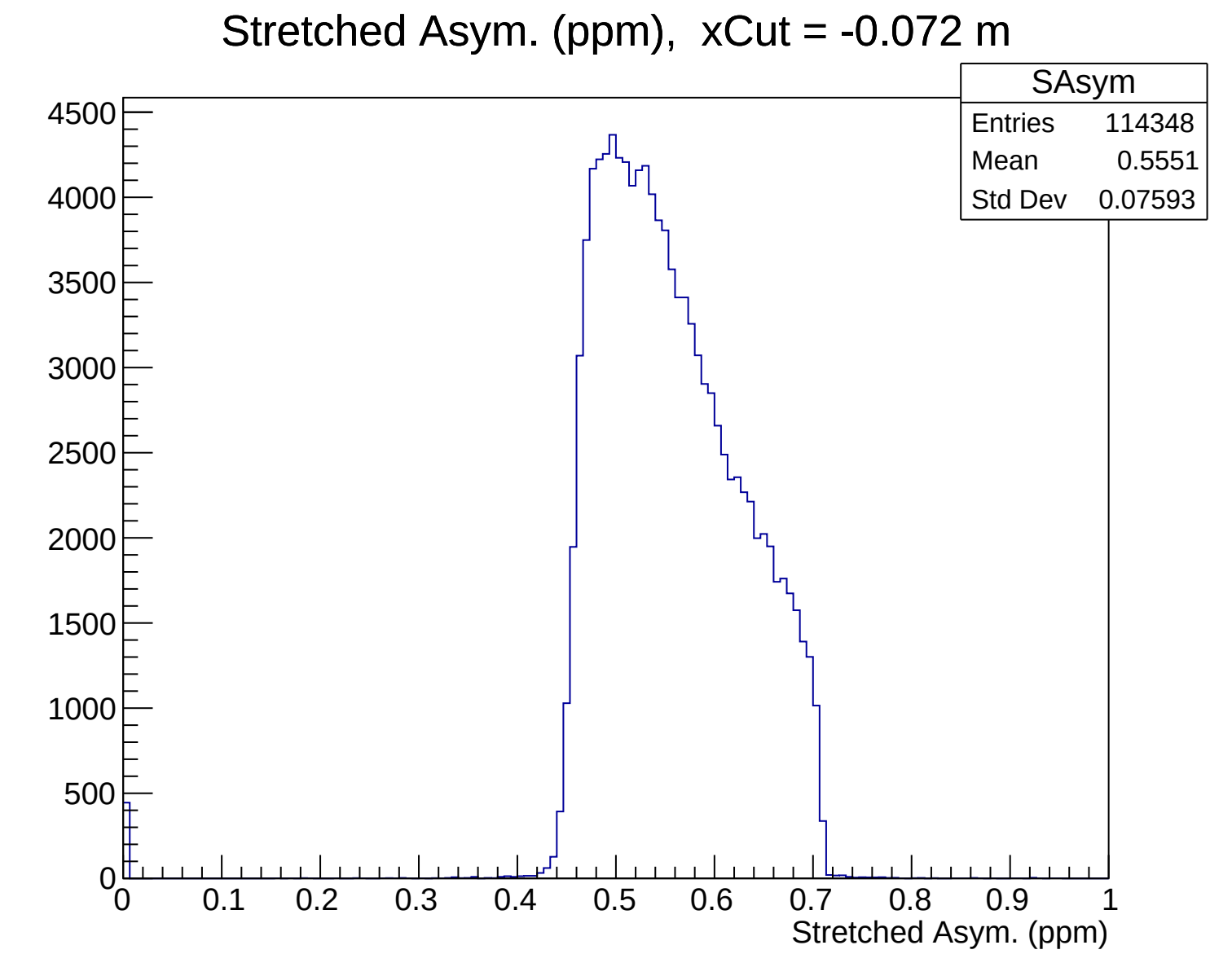

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

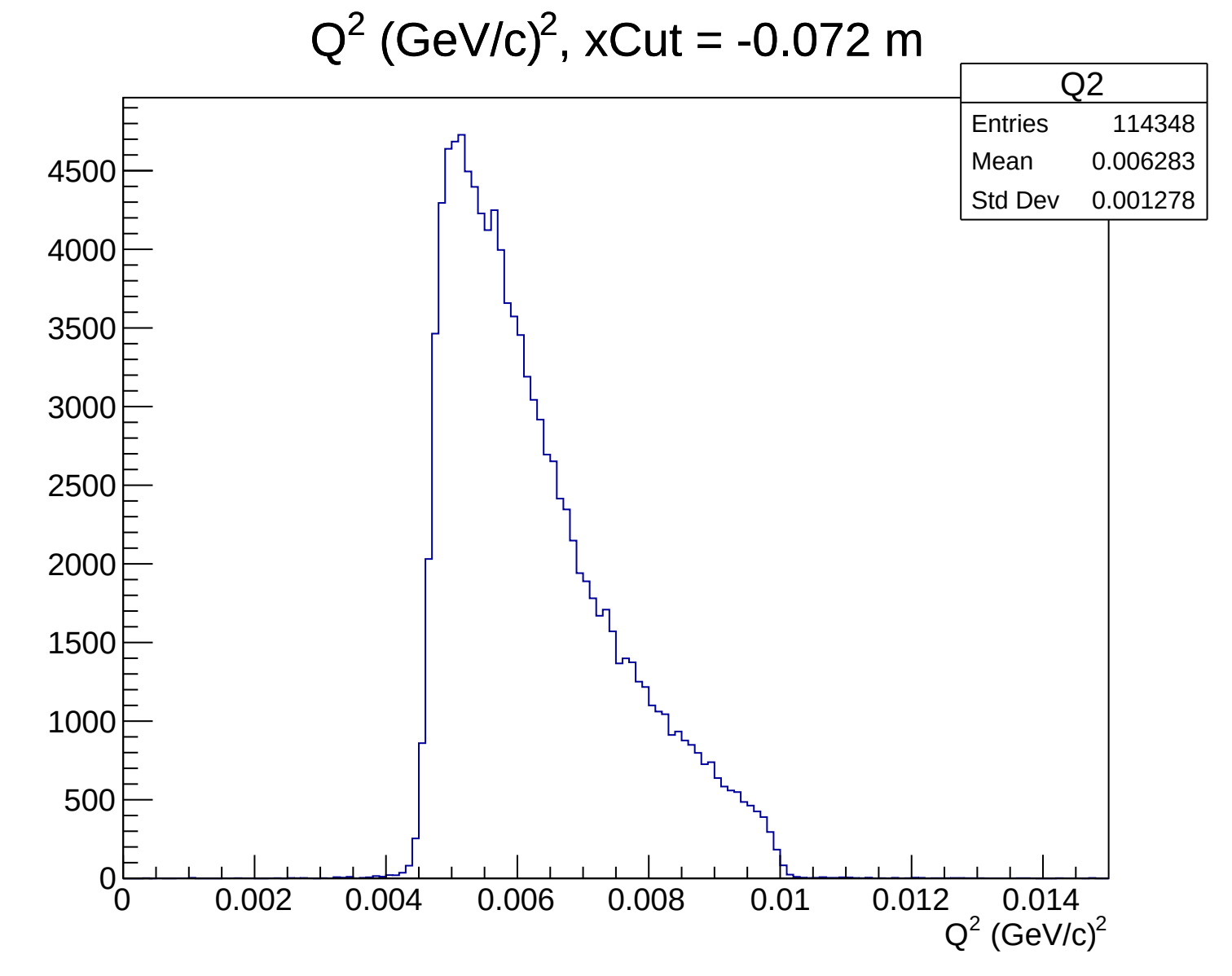

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.072
L.tr.x[0]+1.3*L.tr.th[0] (m)

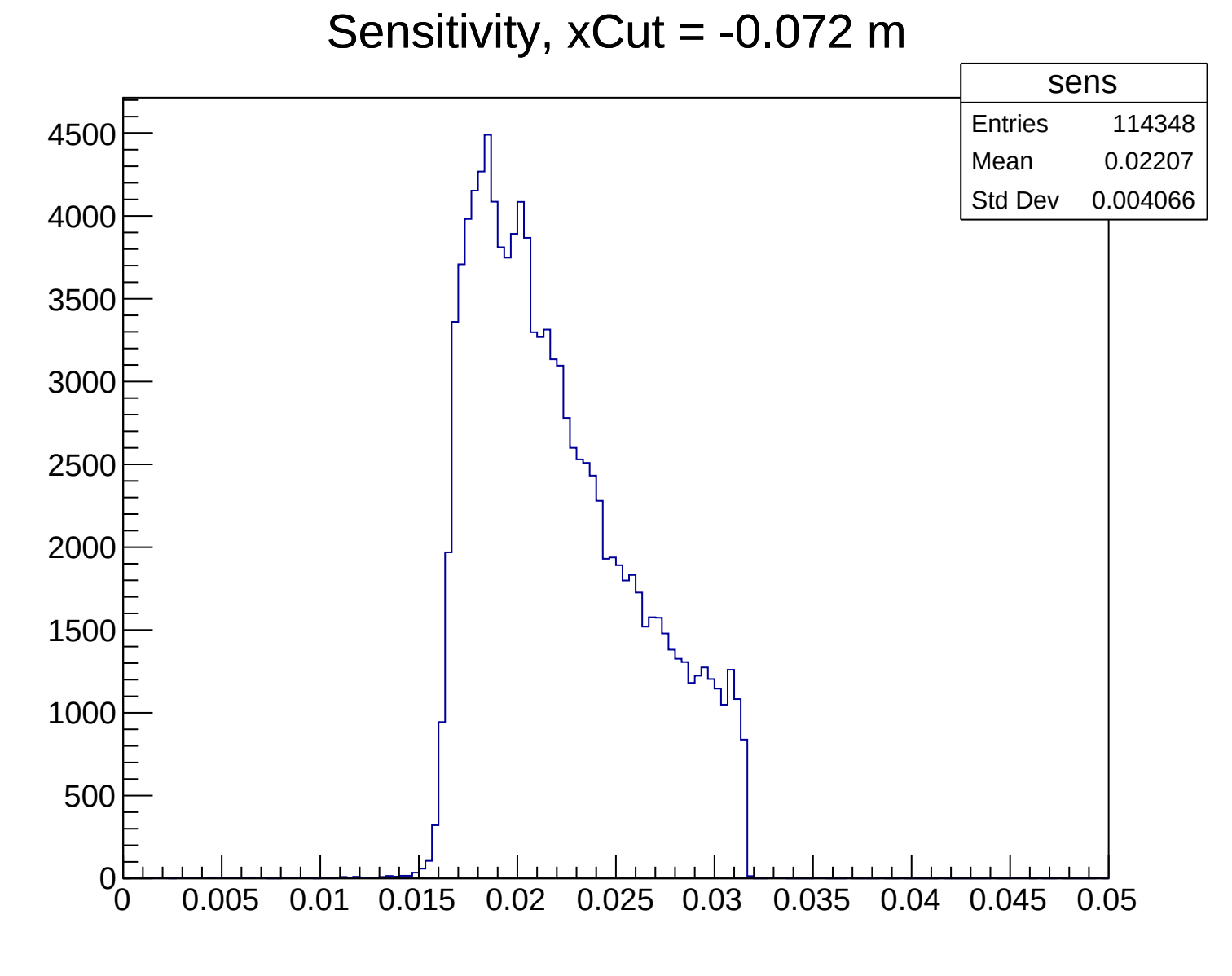

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

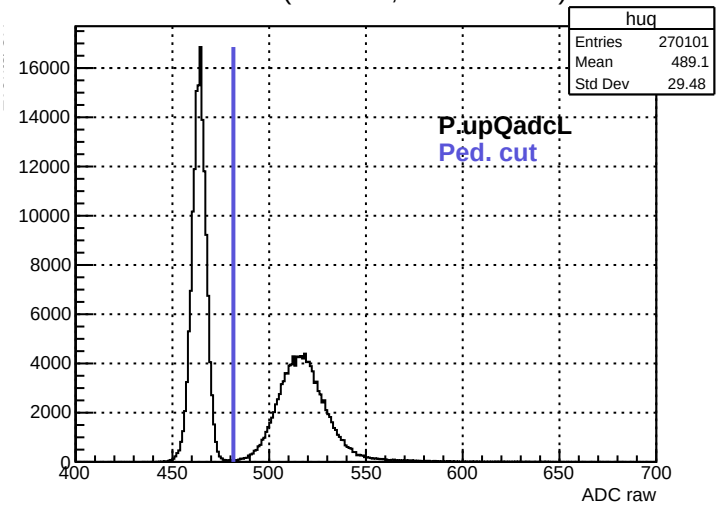

θlab (deg), xCut = -0.072 m
Theta
Entries 114348
Mean 4.768
Std Dev 0.4728
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

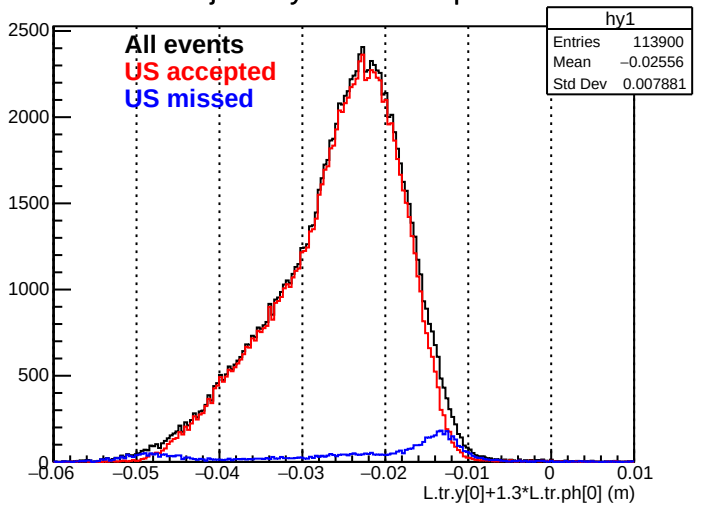

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 114348
Mean 0.5679
Std Dev 0.07985
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

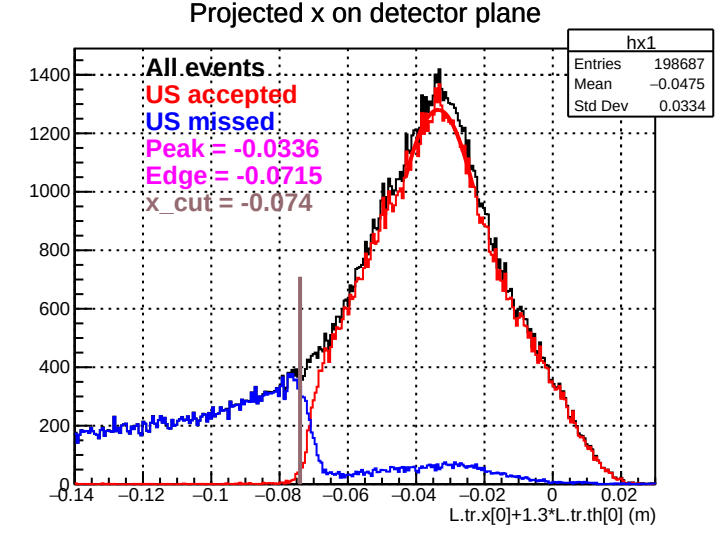

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 114348
Mean 0.5551
Std Dev 0.07593
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

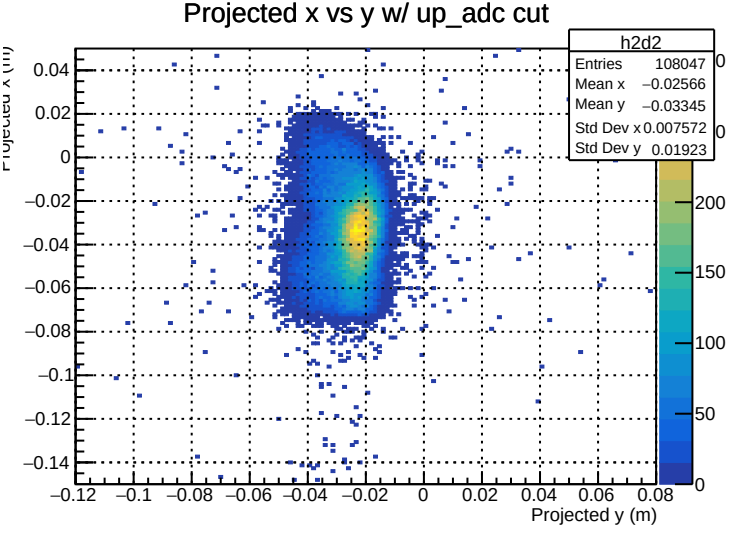

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 114348
Mean 0.006283
Std Dev 0.001278
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

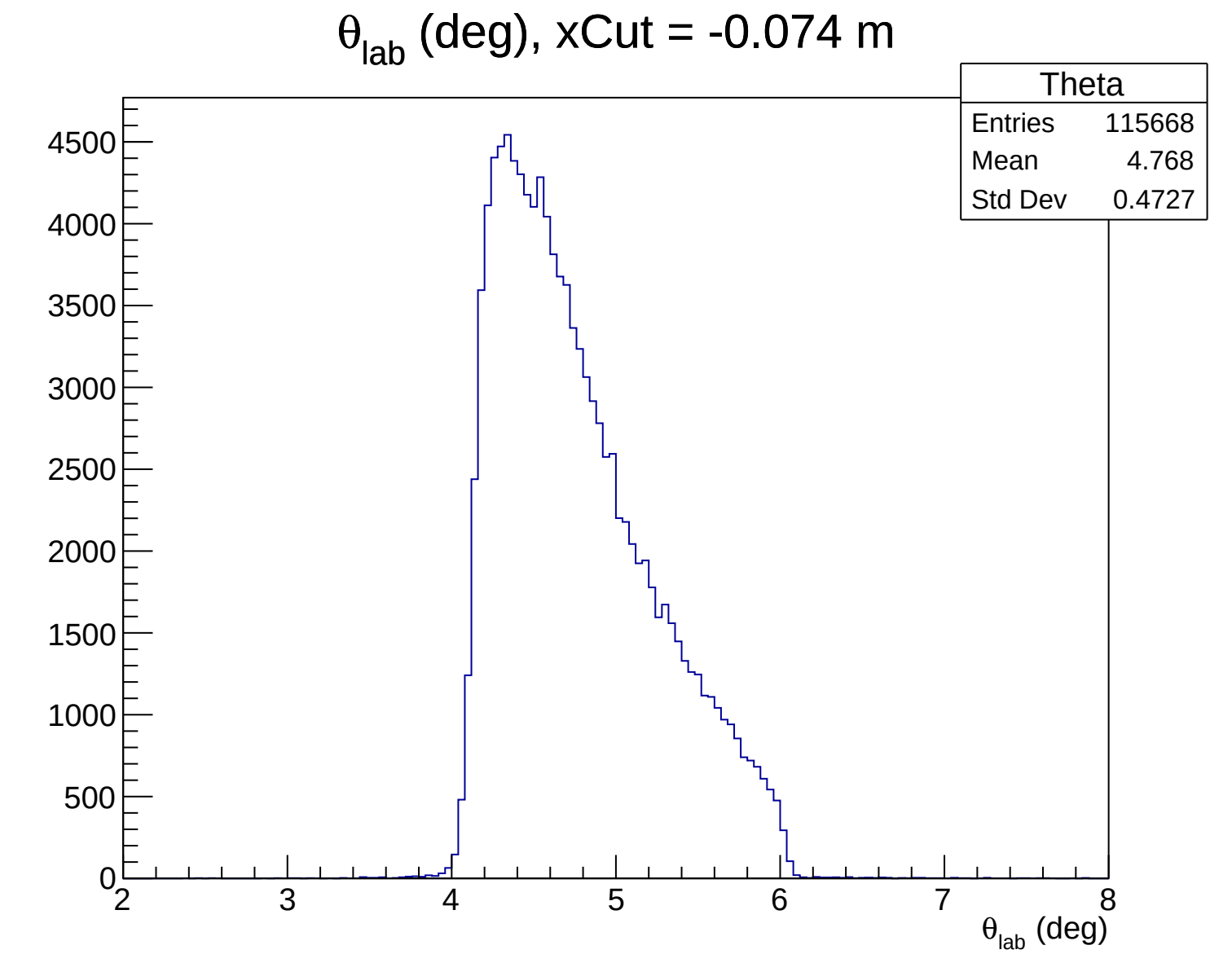

Sensitivity, xCut = -0.072 m
sens
Entries 114348
Mean 0.02207
Std Dev 0.004066
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

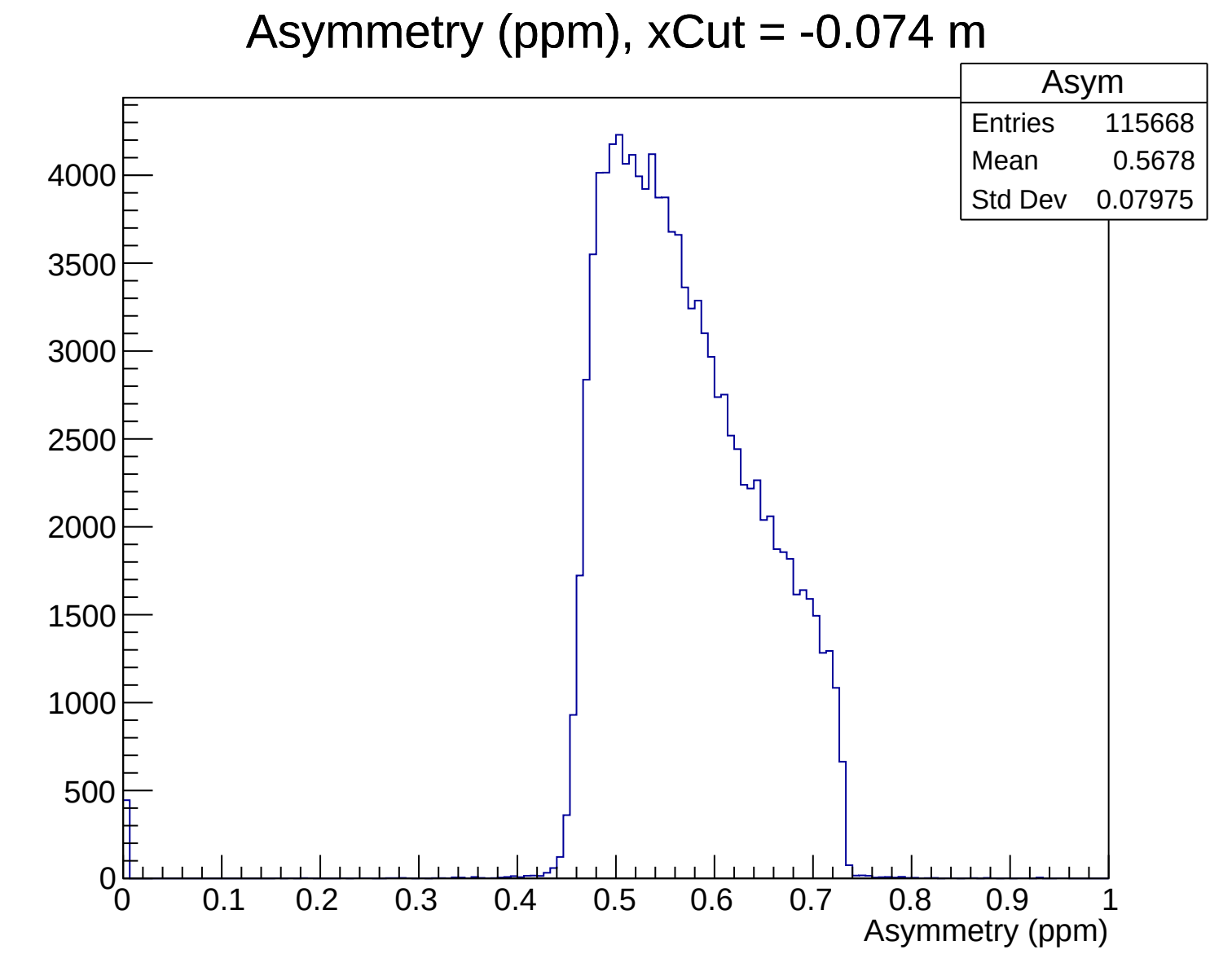

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

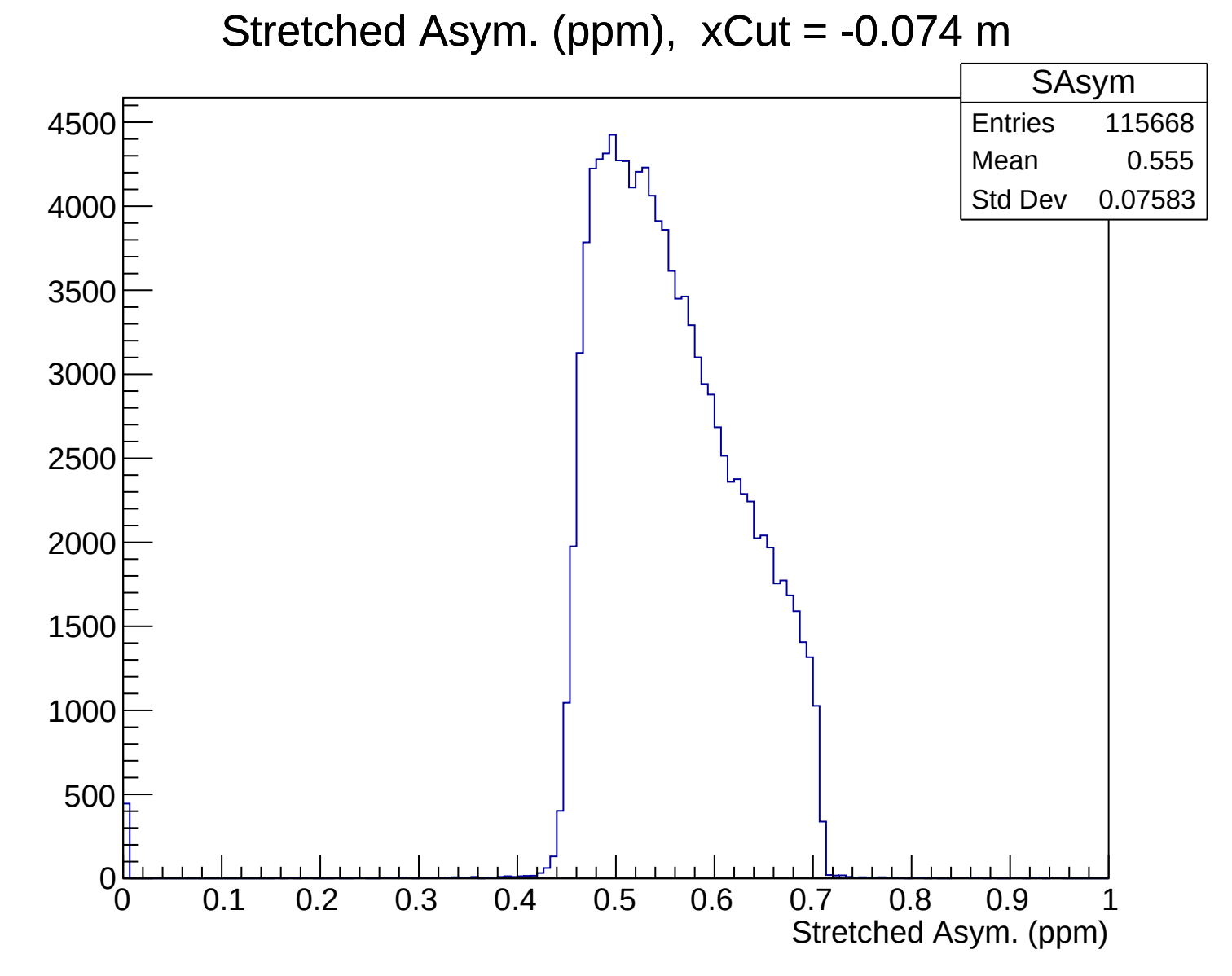

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

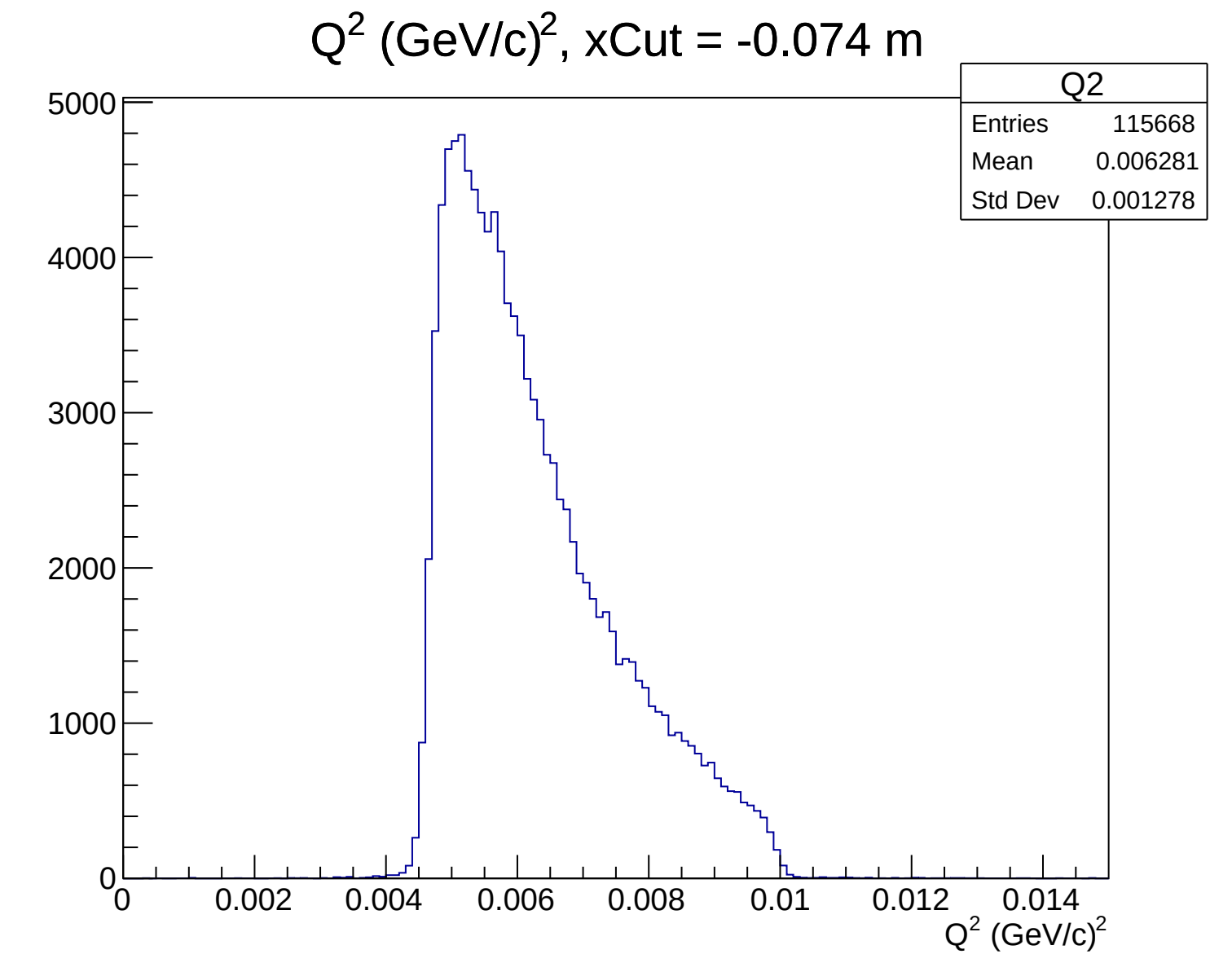

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.074
L.tr.x[0]+1.3*L.tr.th[0] (m)

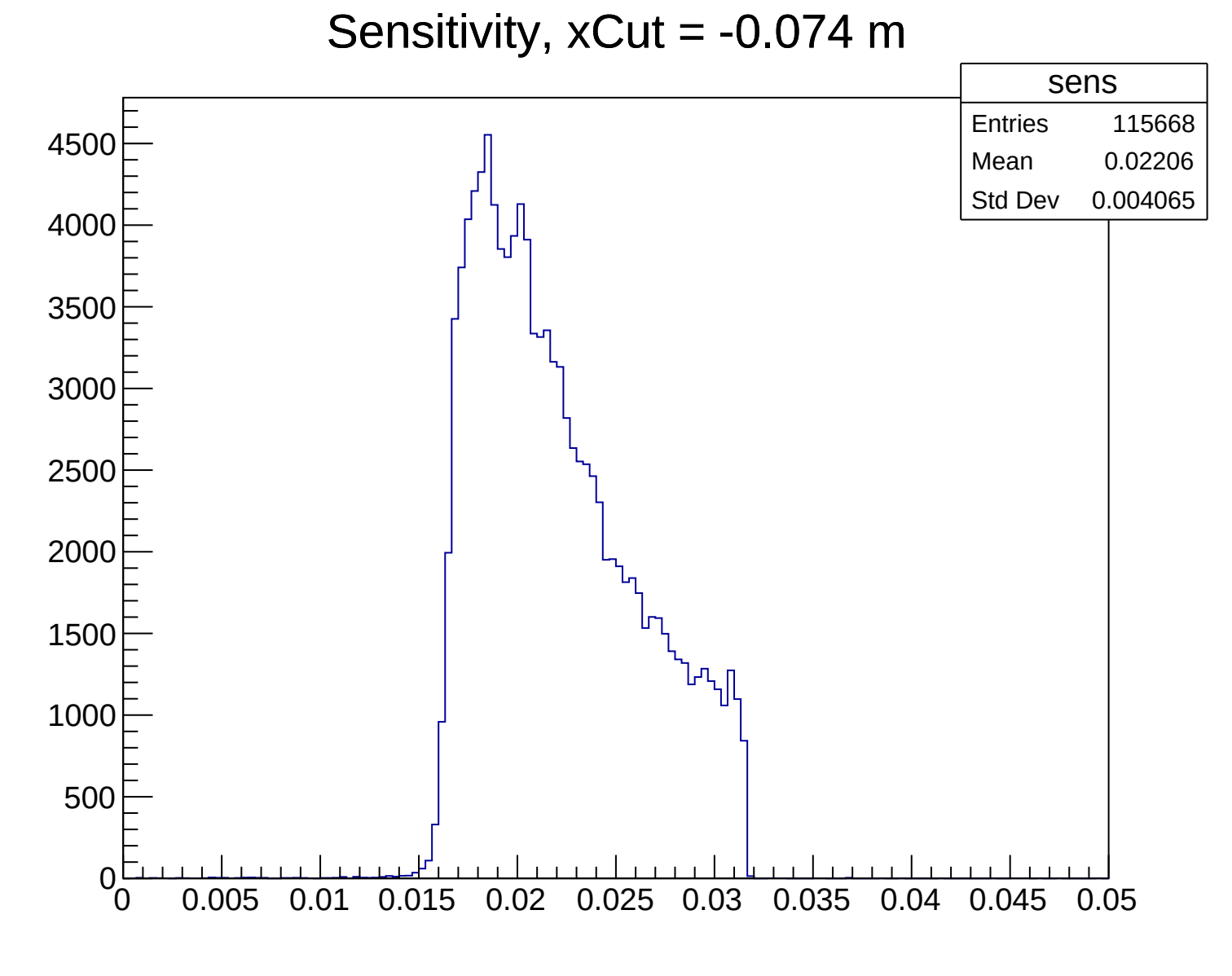

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

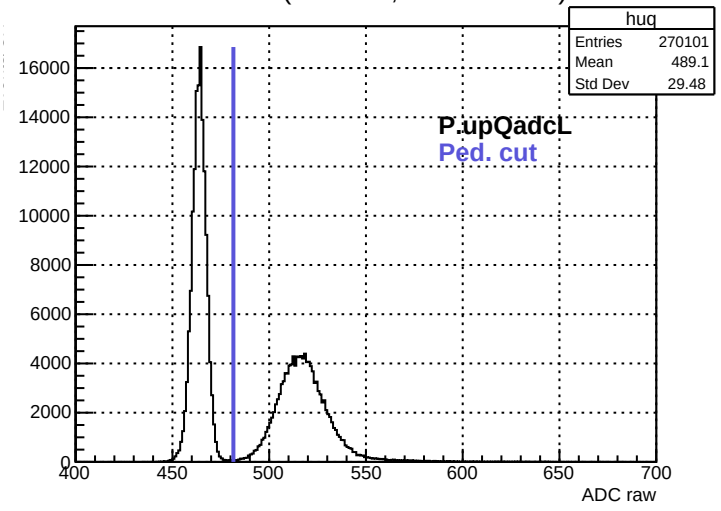

θlab (deg), xCut = -0.074 m
Theta
Entries 115668
Mean 4.768
Std Dev 0.4727
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

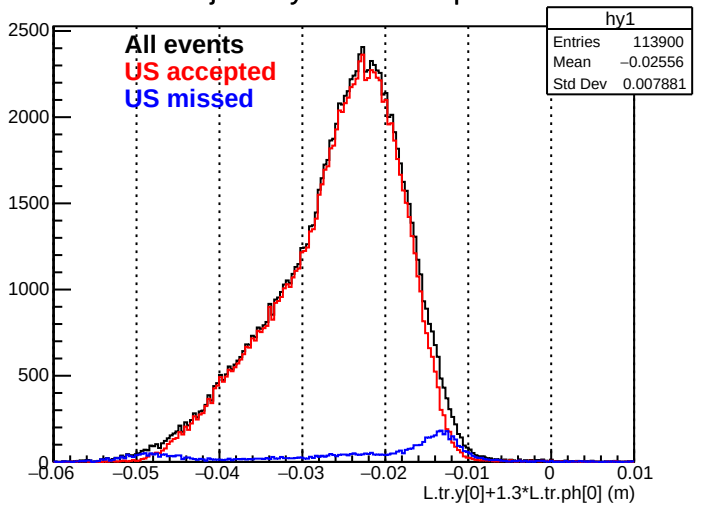

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 115668
Mean 0.5678
Std Dev 0.07975
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

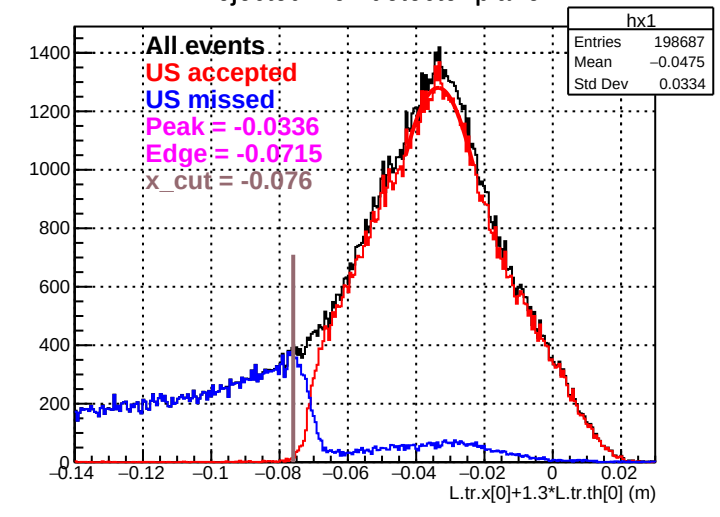

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 115668
Mean 0.555
Std Dev 0.07583
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

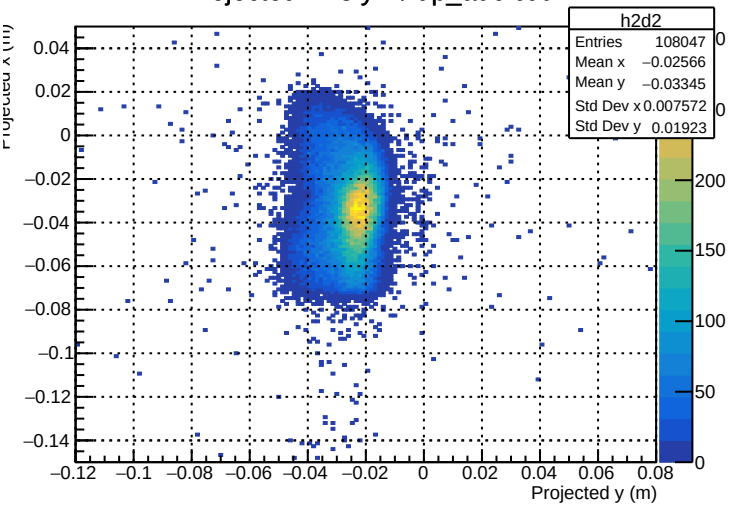

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 115668
Mean 0.006281
Std Dev 0.001278
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

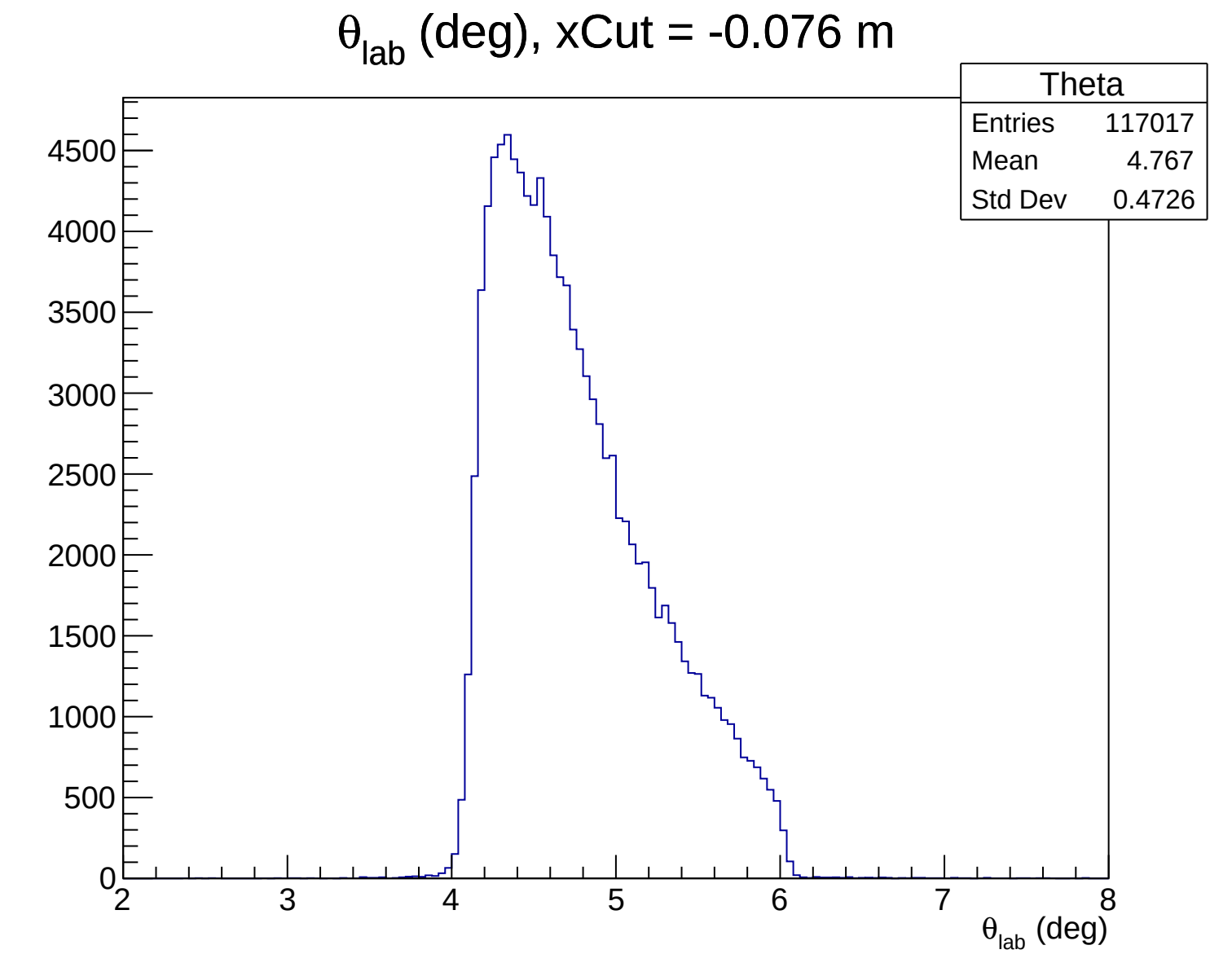

Sensitivity, xCut = -0.074 m
sens
Entries 115668
Mean 0.02206
Std Dev 0.004065
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

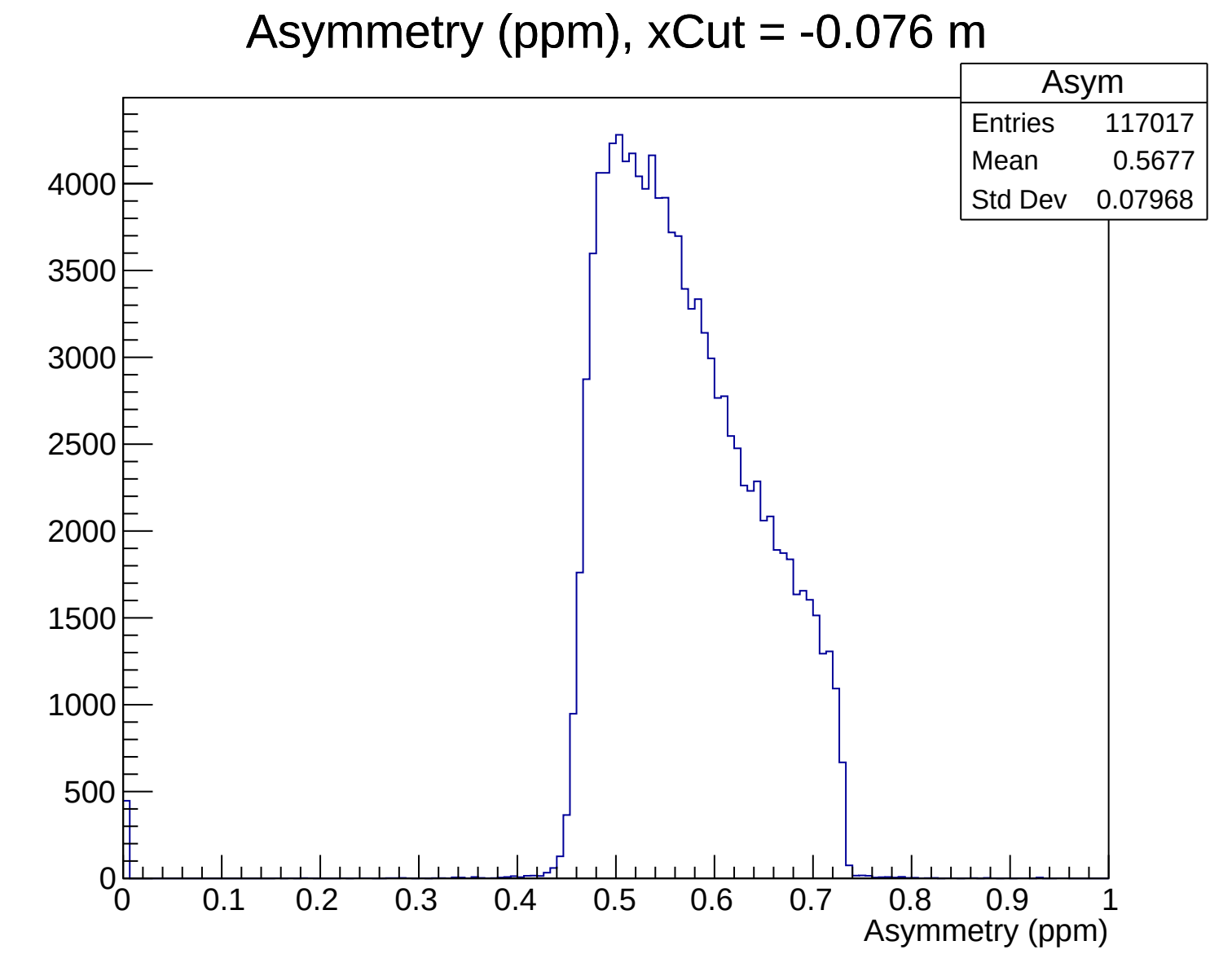

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

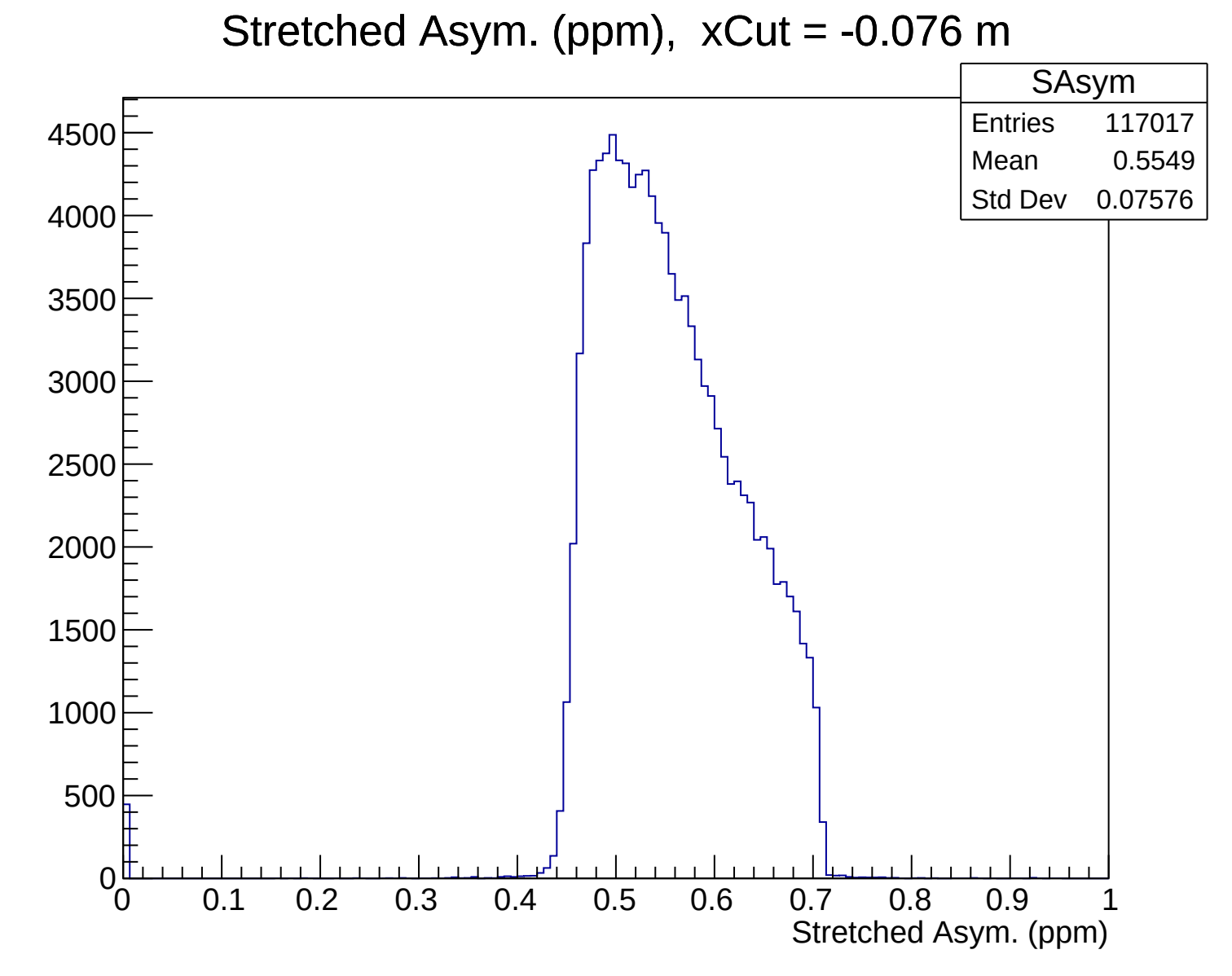

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

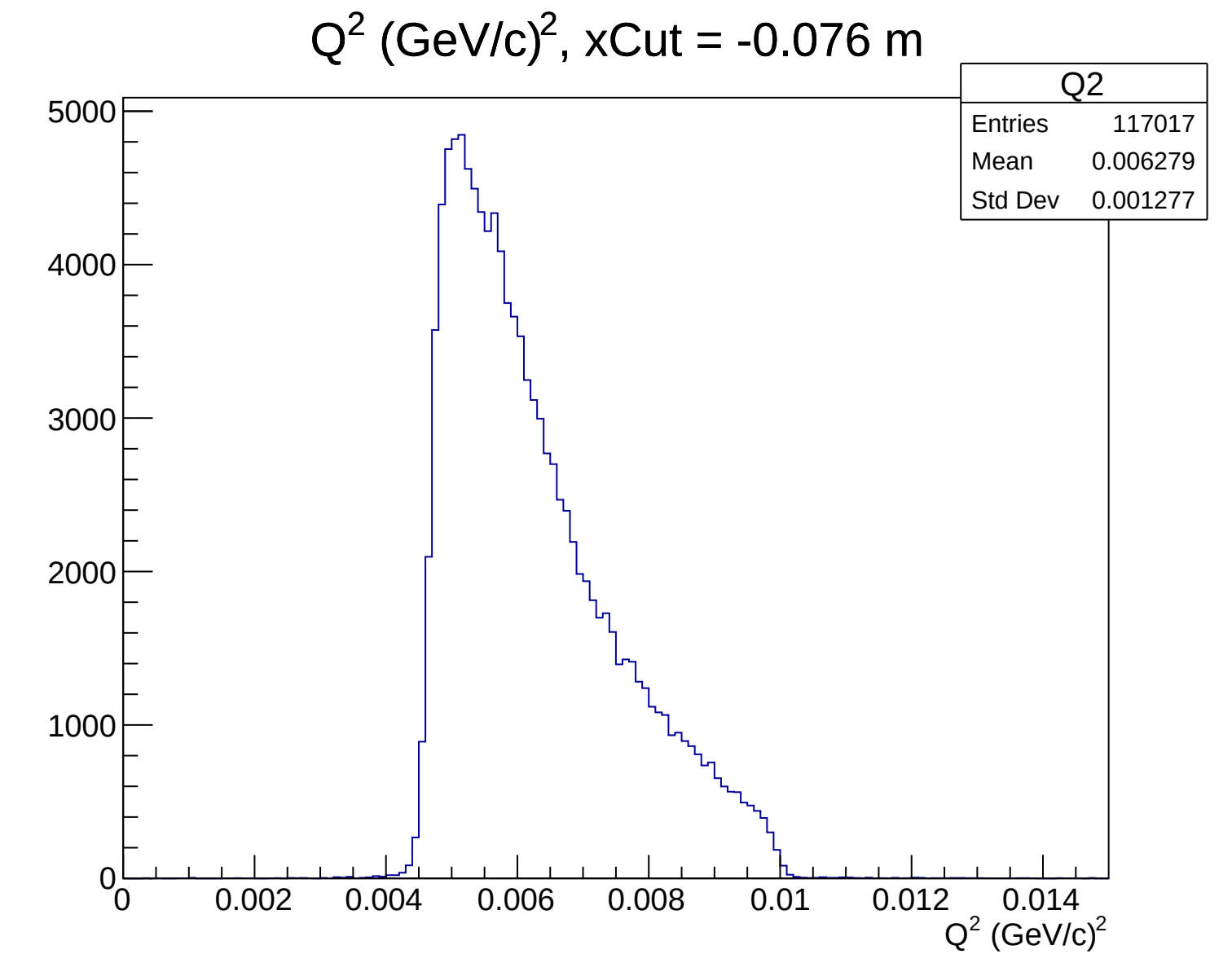

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.076
L.tr.x[0]+1.3*L.tr.th[0] (m)

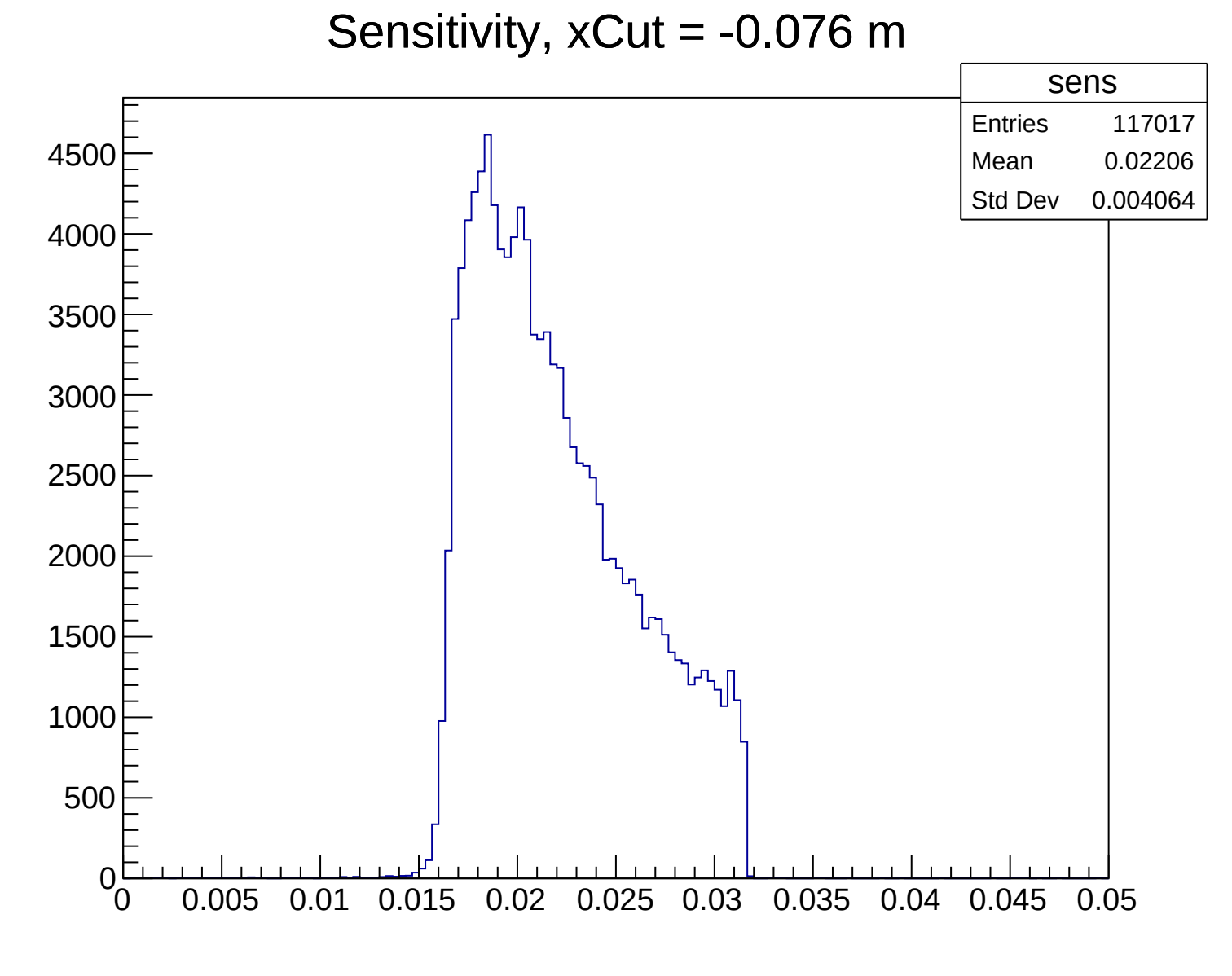

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

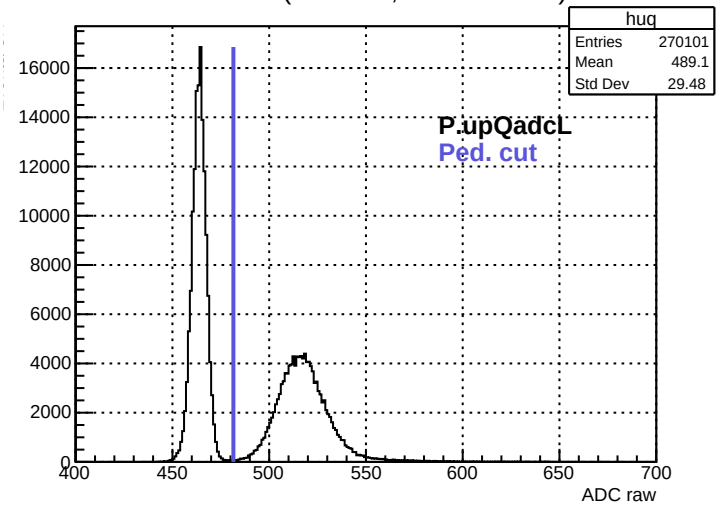

θlab (deg), xCut = -0.076 m
Theta
Entries 117017
Mean 4.767
Std Dev 0.4726
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

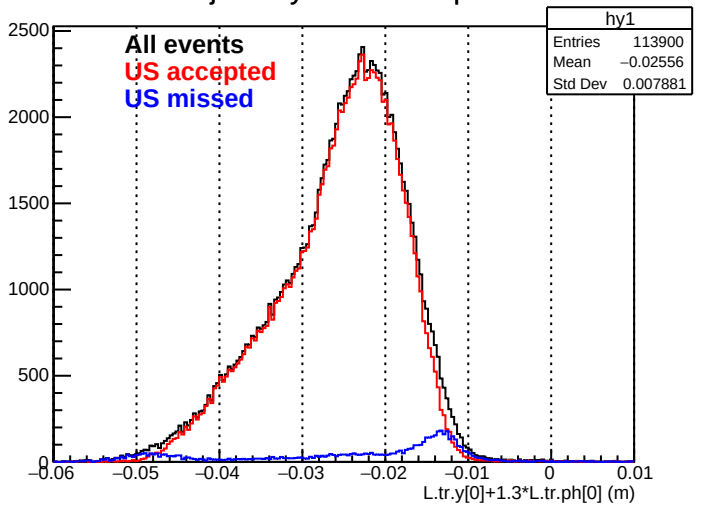

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 117017
Mean 0.5677
Std Dev 0.07968
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

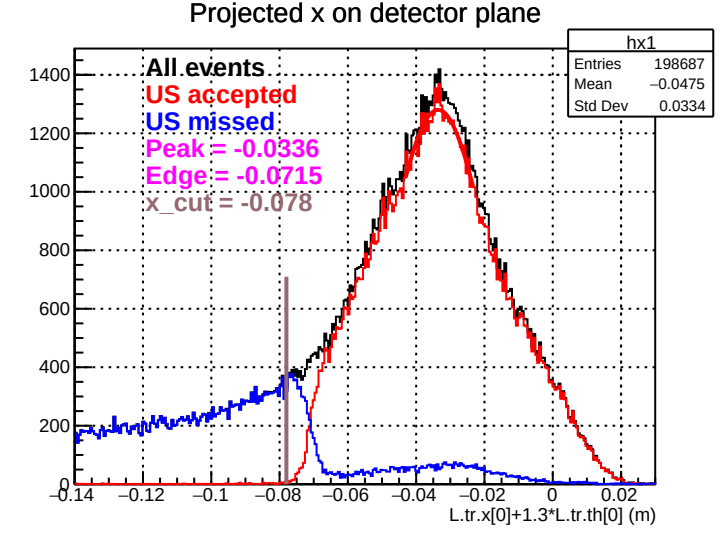

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 117017
Mean 0.5549
Std Dev 0.07576
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

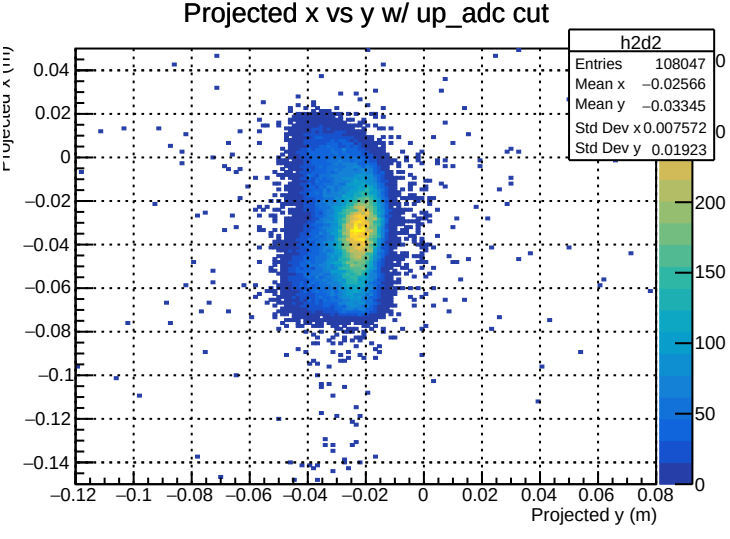

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 117017
Mean 0.006279
Std Dev 0.001277
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

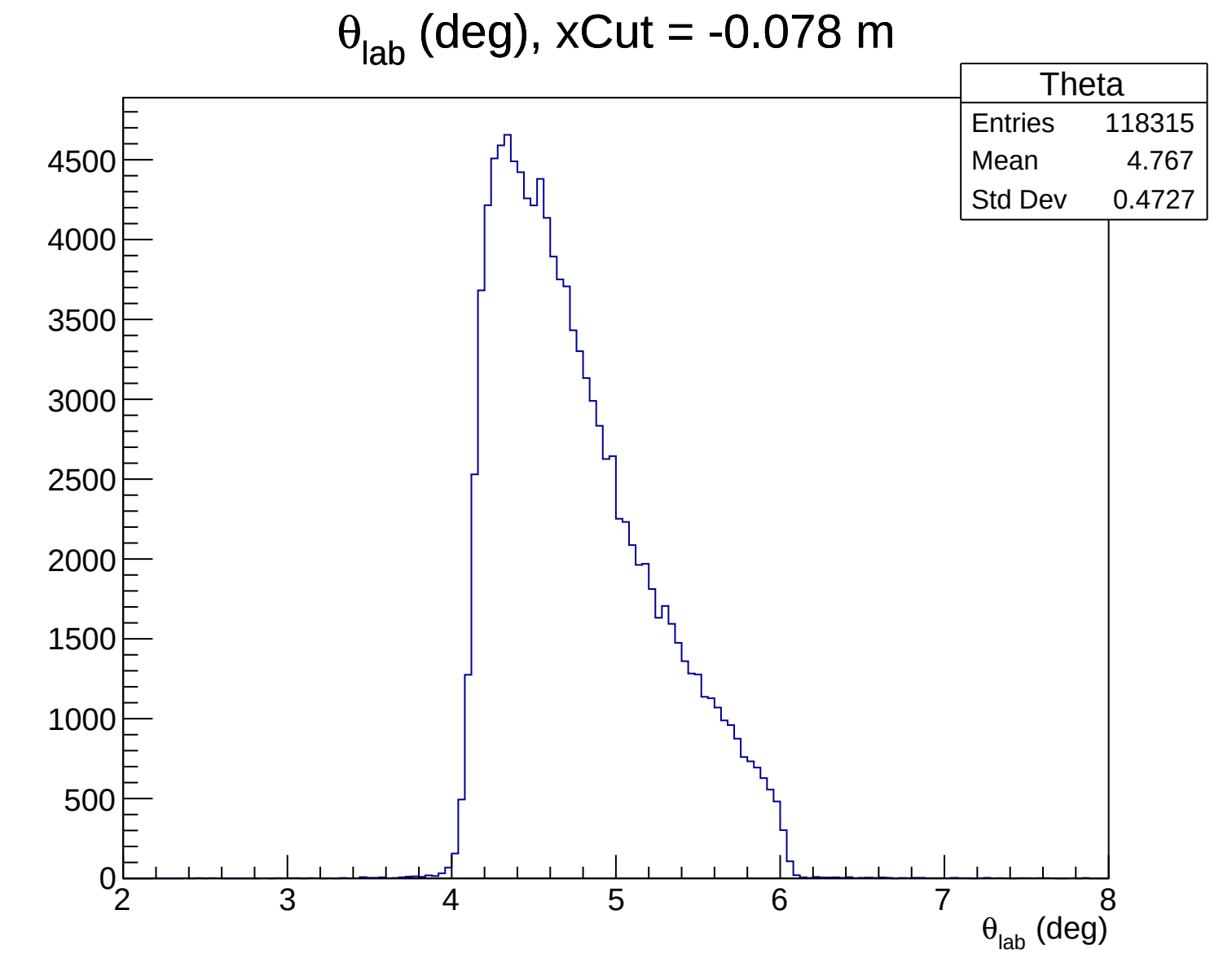

Sensitivity, xCut = -0.076 m
sens
Entries 117017
Mean 0.02206
Std Dev 0.004064
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

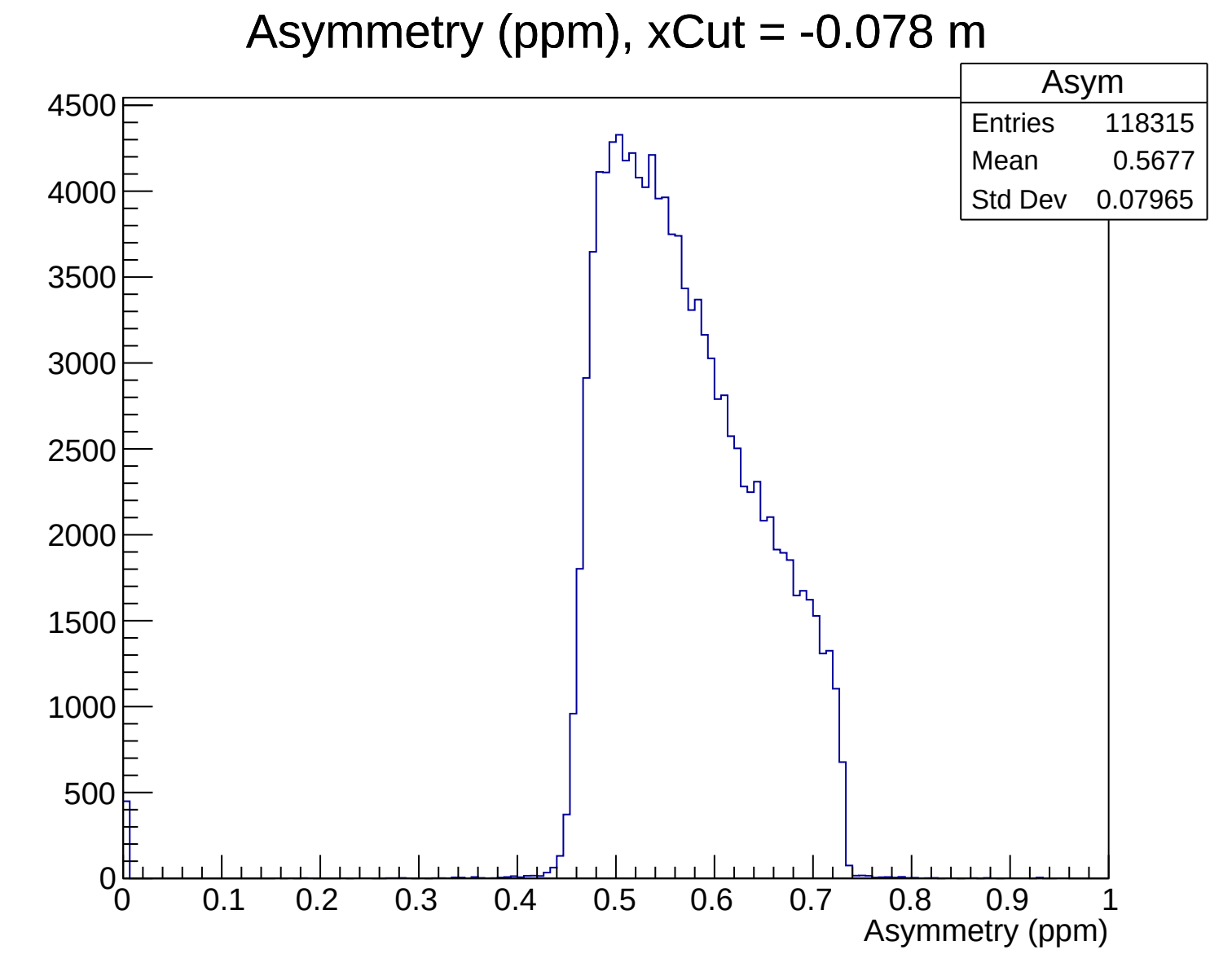

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

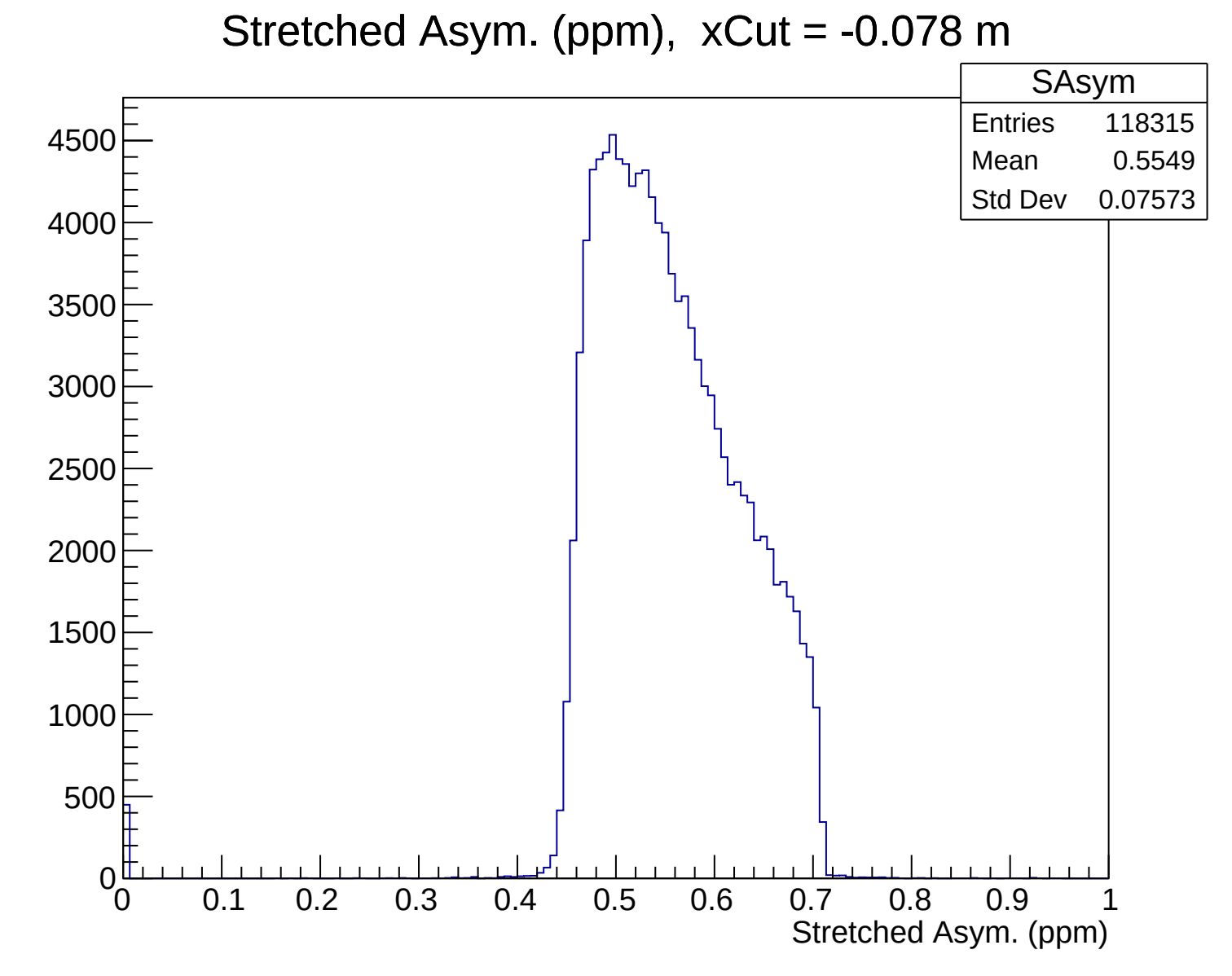

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

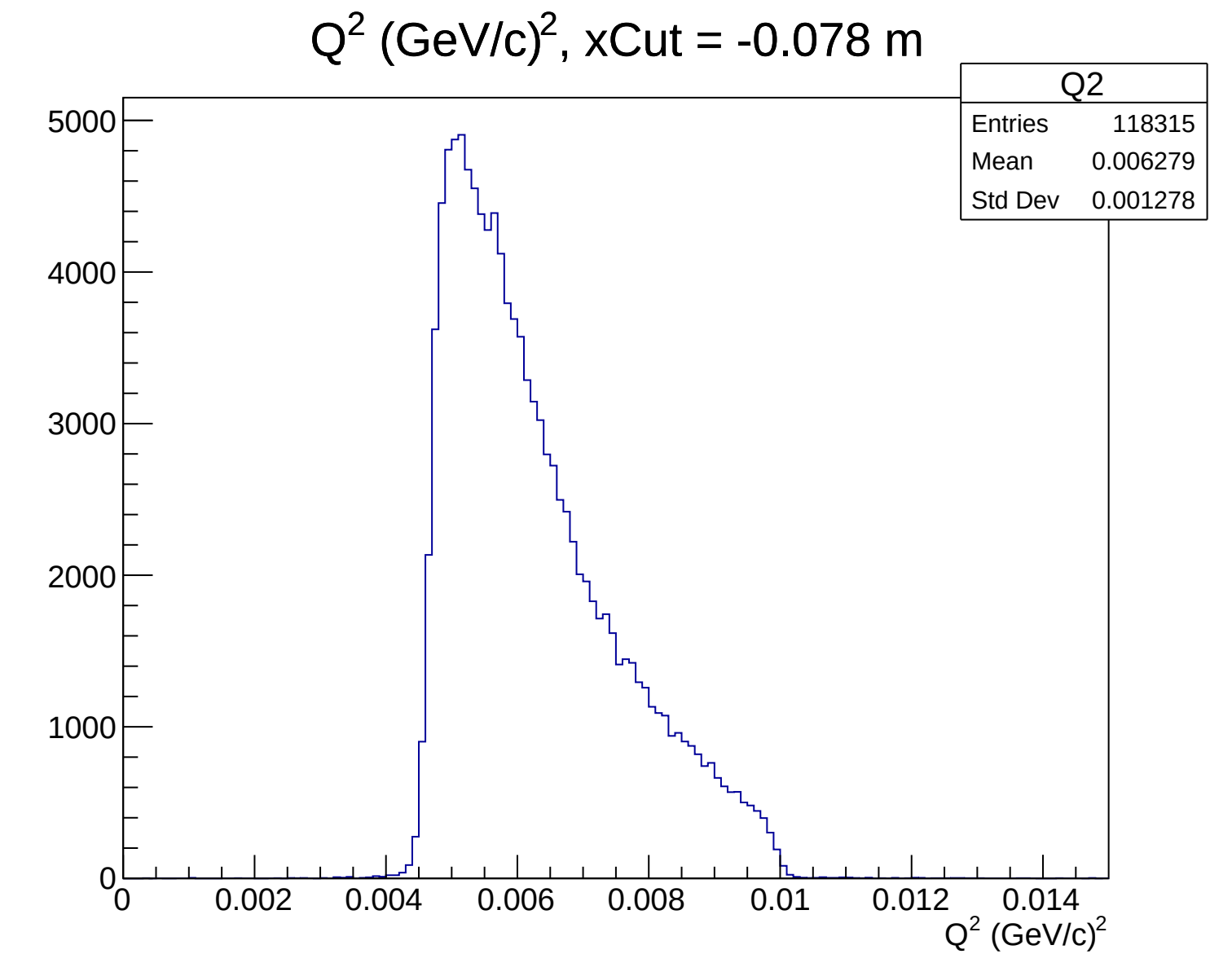

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.078
L.tr.x[0]+1.3*L.tr.th[0] (m)

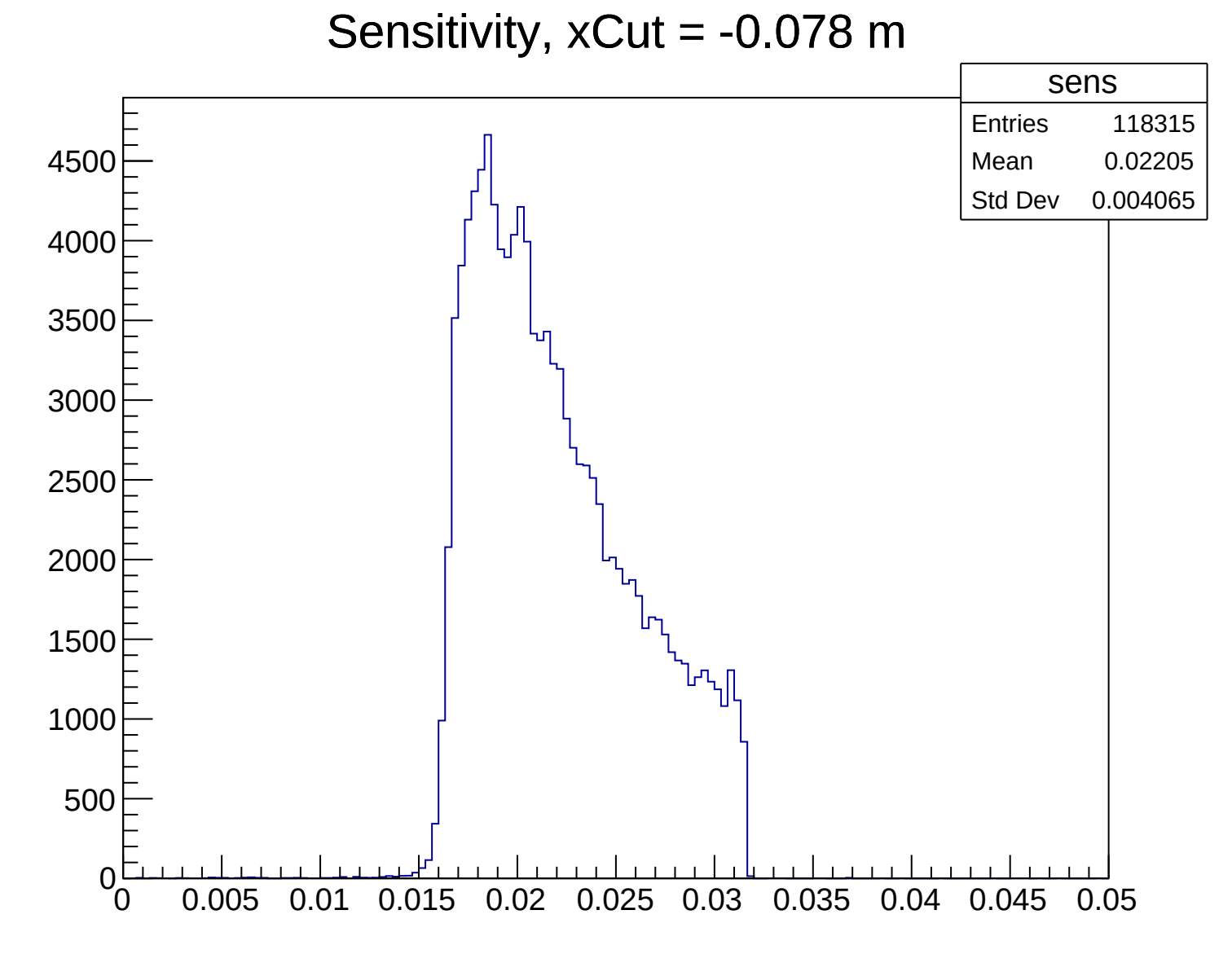

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

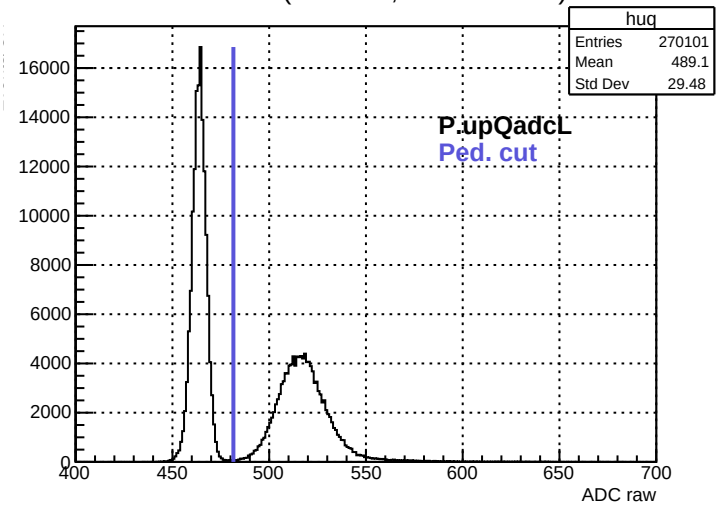

θlab (deg), xCut = -0.078 m
Theta
Entries 118315
Mean 4.767
Std Dev 0.4727
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

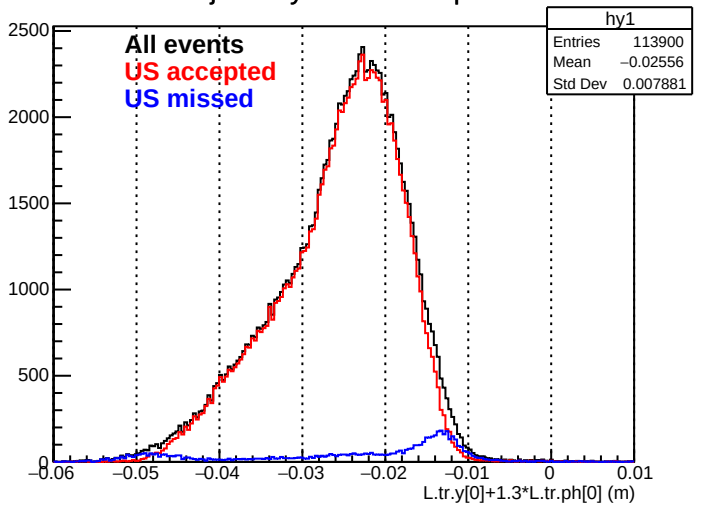

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 118315
Mean 0.5677
Std Dev 0.07965
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

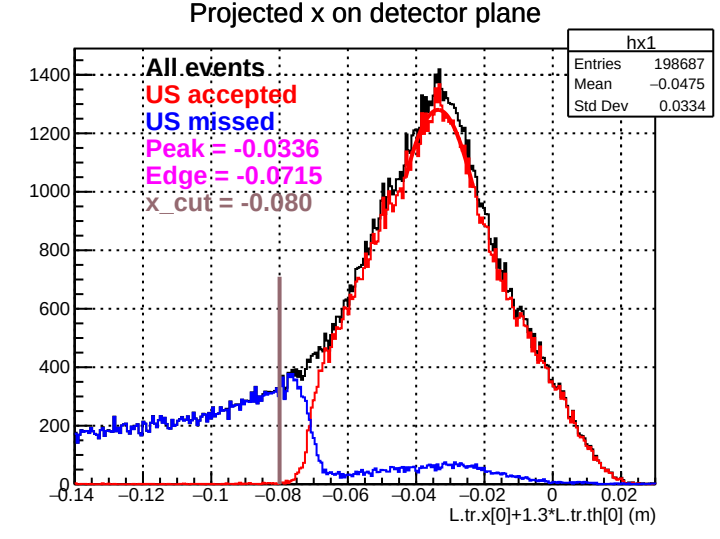

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 118315
Mean 0.5549
Std Dev 0.07573
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

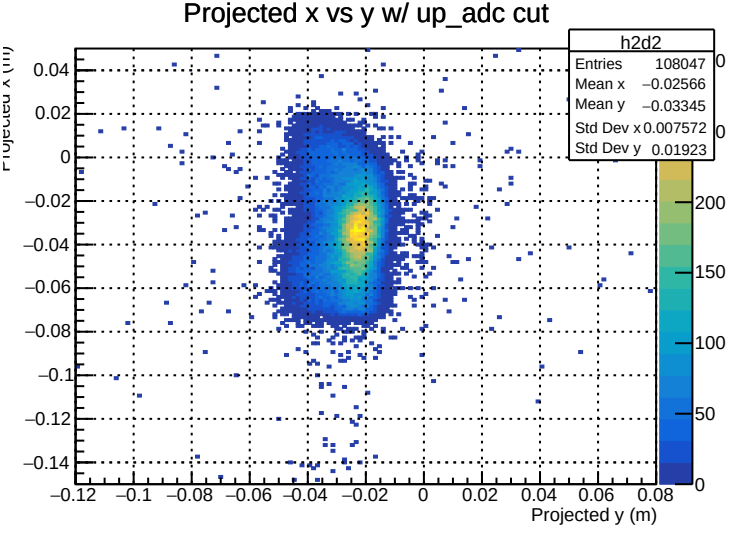

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 118315
Mean 0.006279
Std Dev 0.001278
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

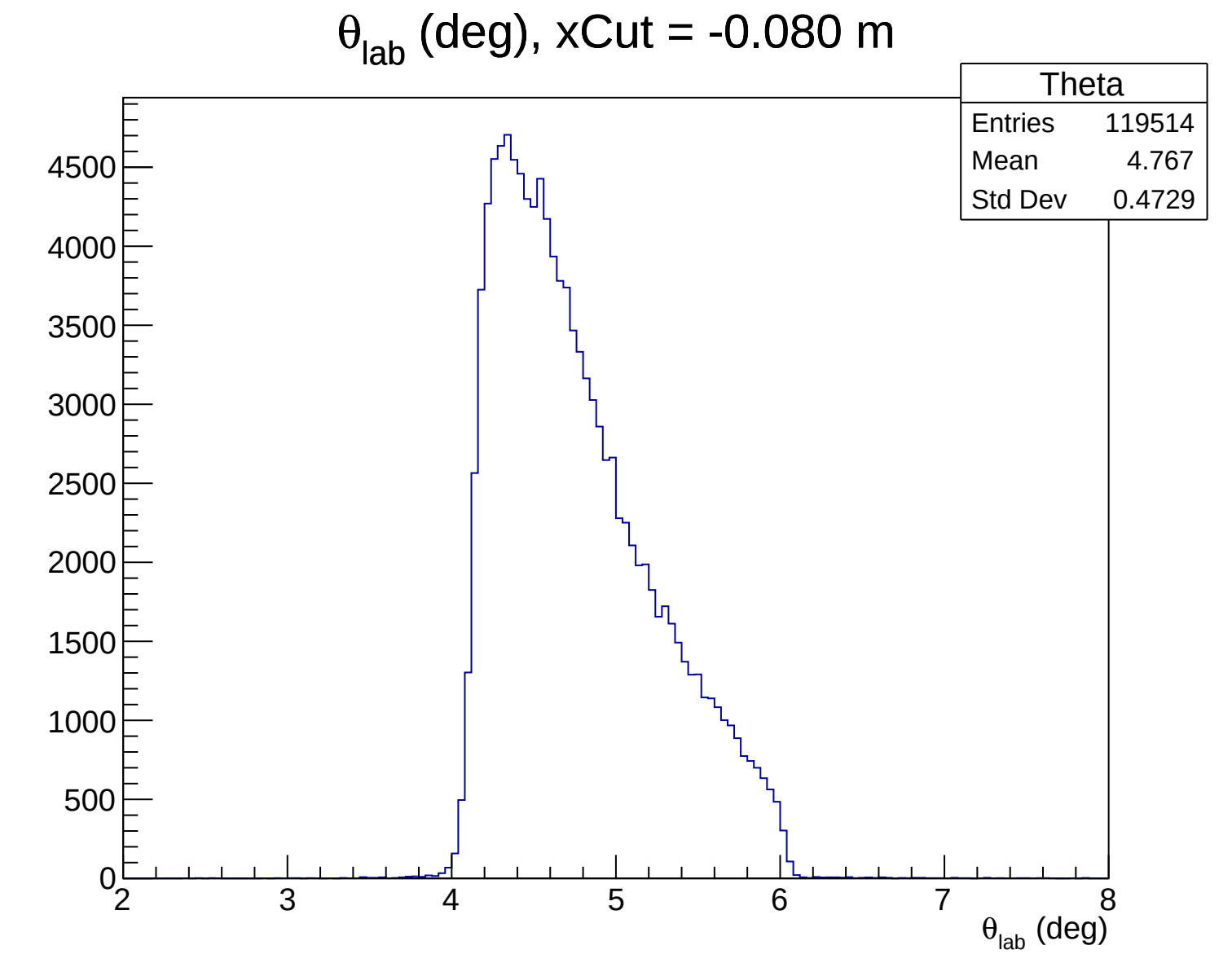

Sensitivity, xCut = -0.078 m
sens
Entries 118315
Mean 0.02205
Std Dev 0.004065
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

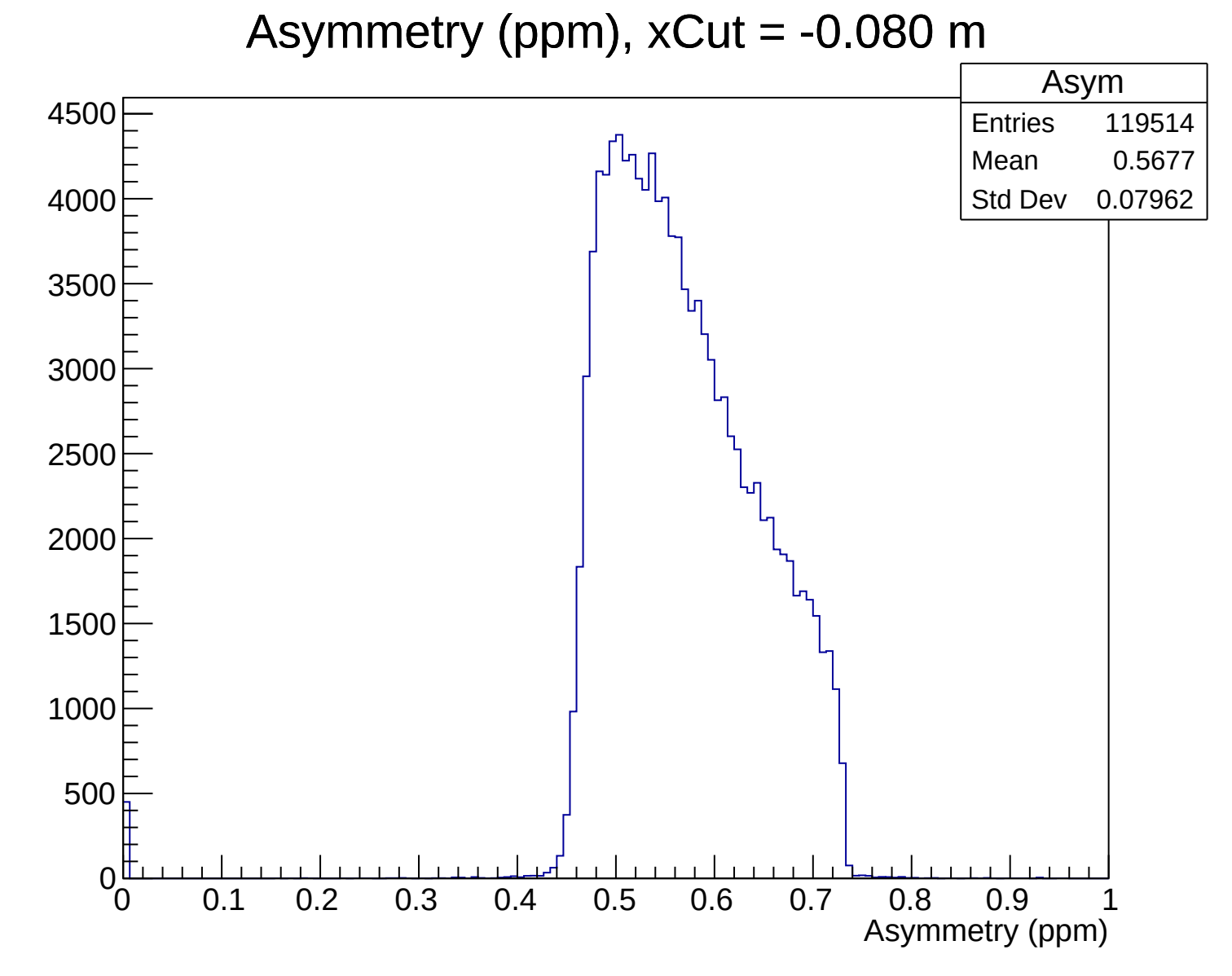

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

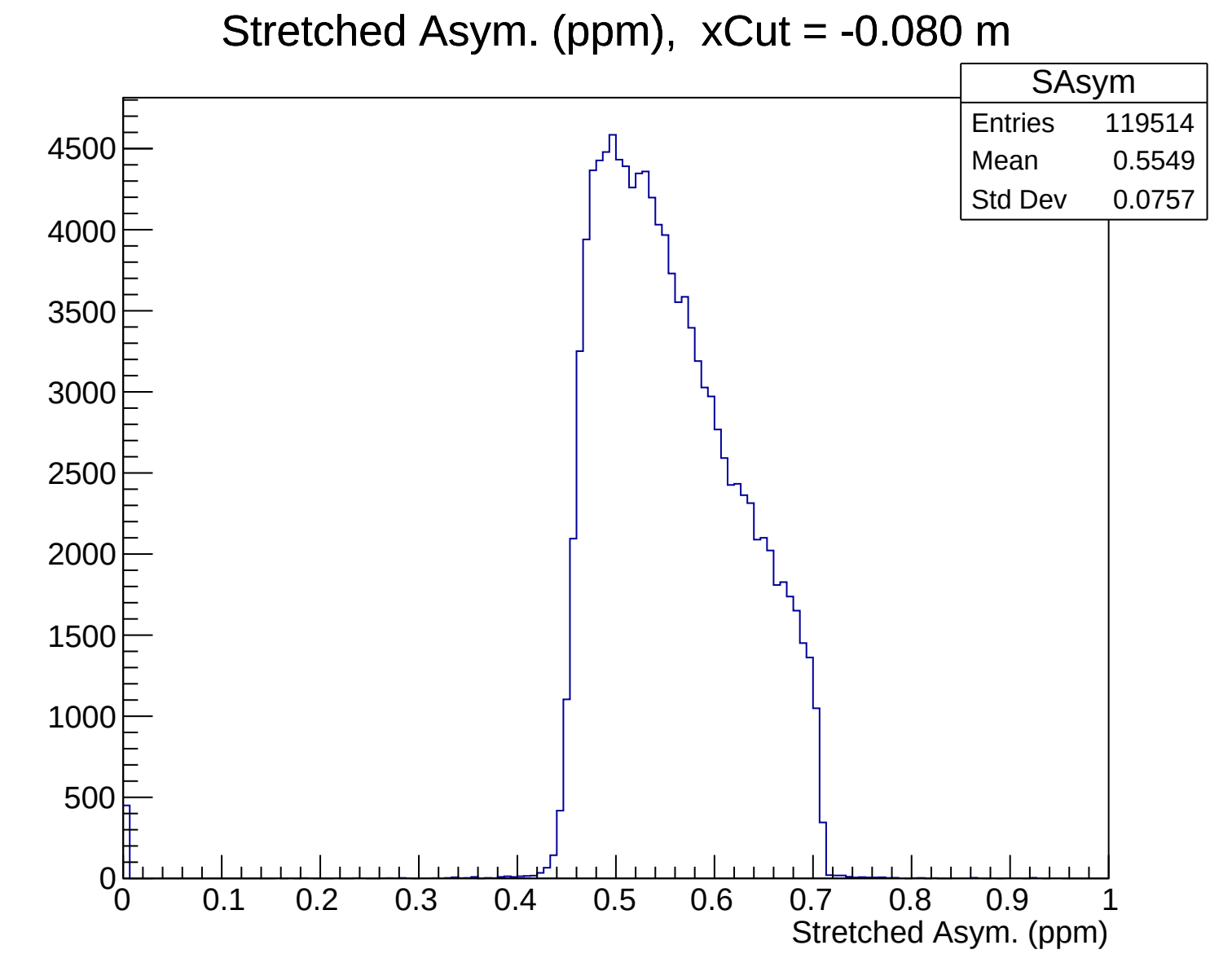

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

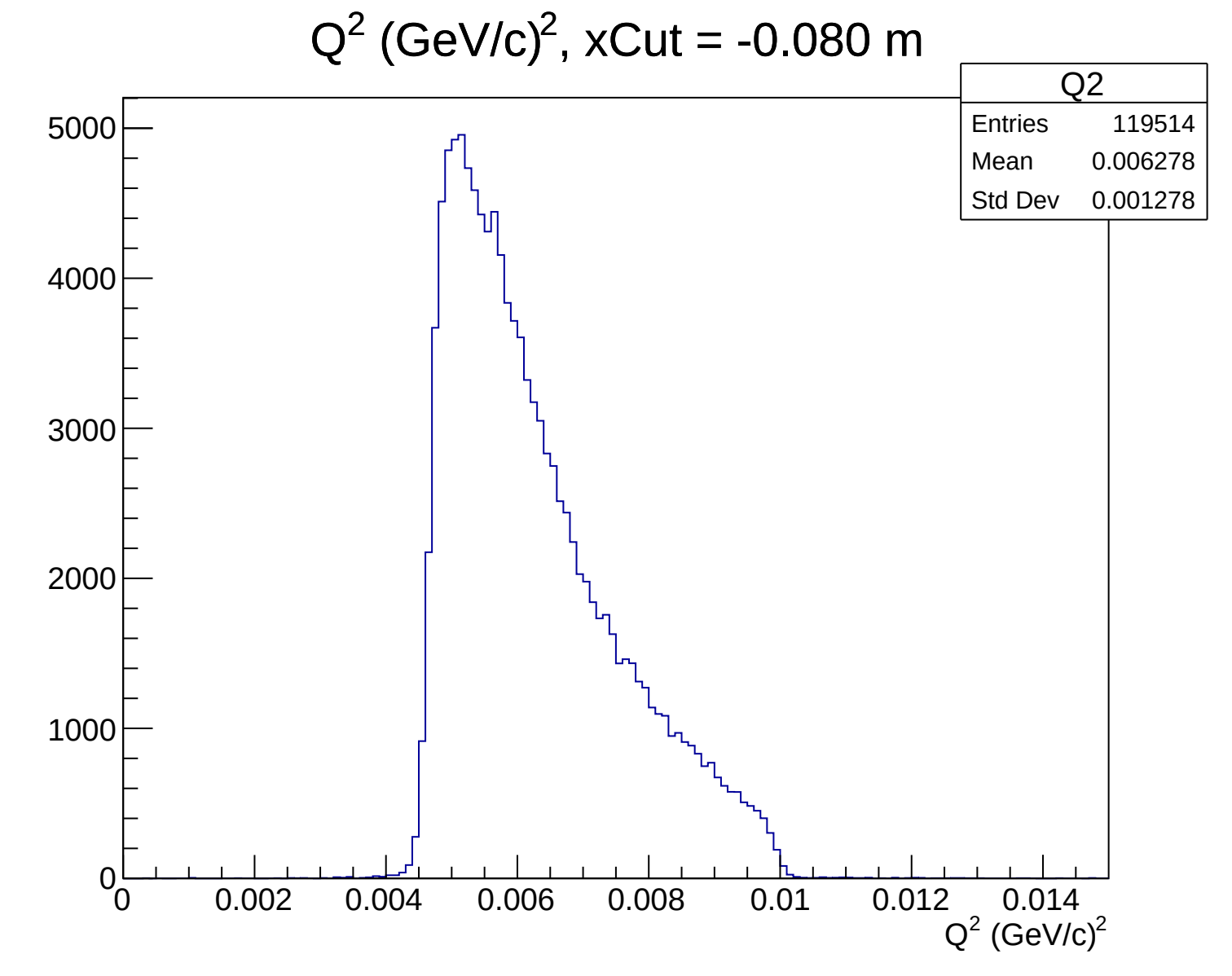

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

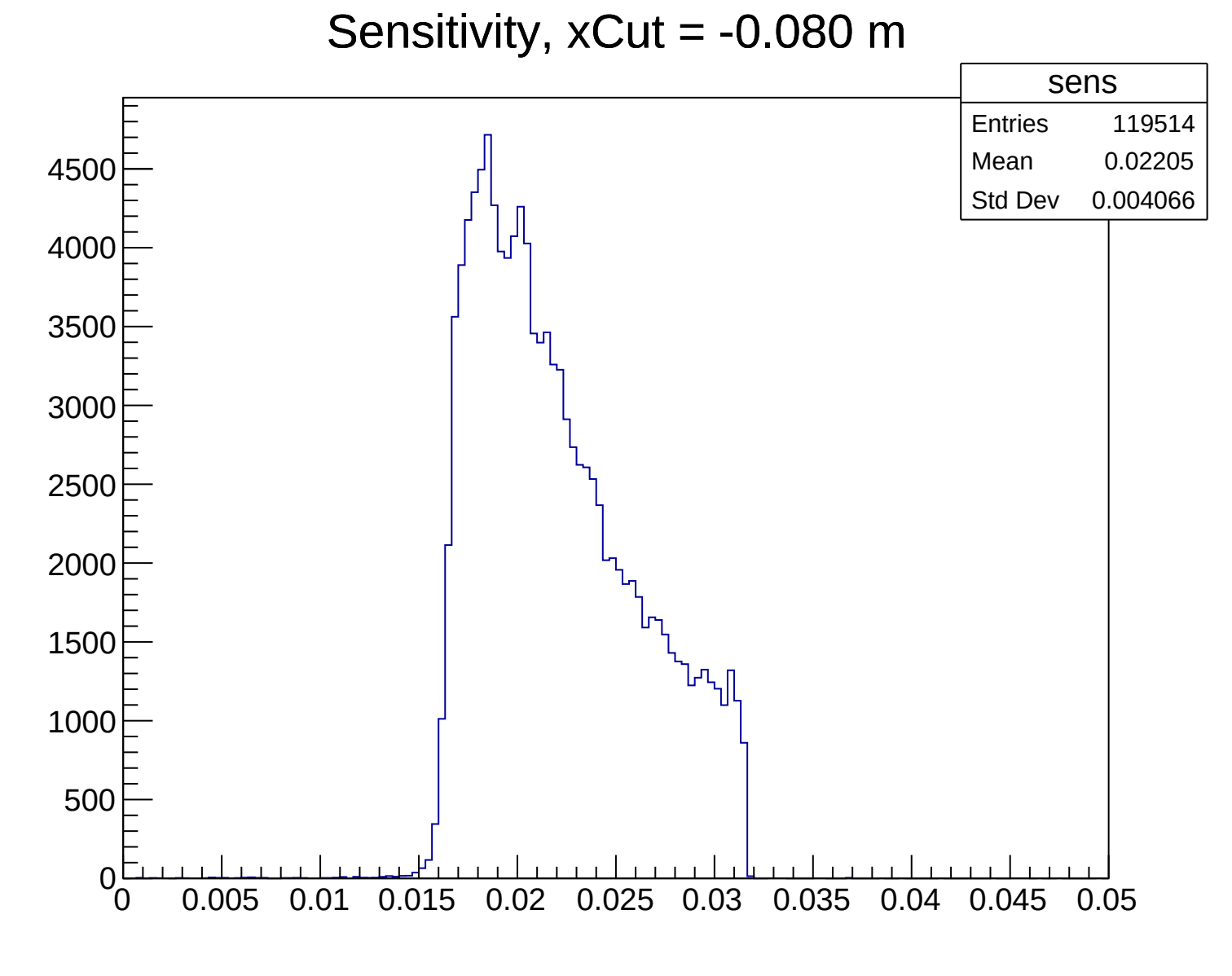

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

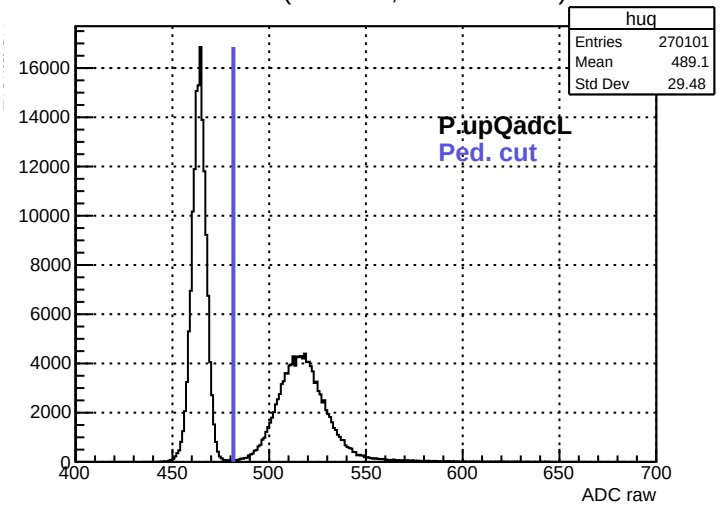

θlab (deg), xCut = -0.080 m
Theta
Entries 119514
Mean 4.767
Std Dev 0.4729
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

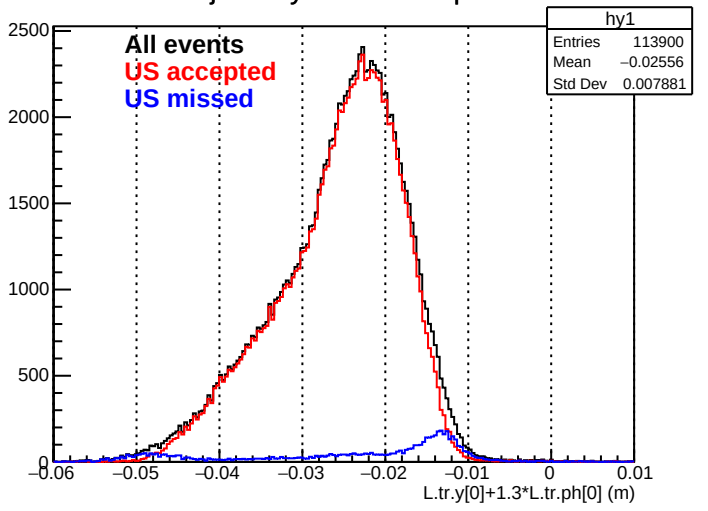

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 119514
Mean 0.5677
Std Dev 0.07962
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

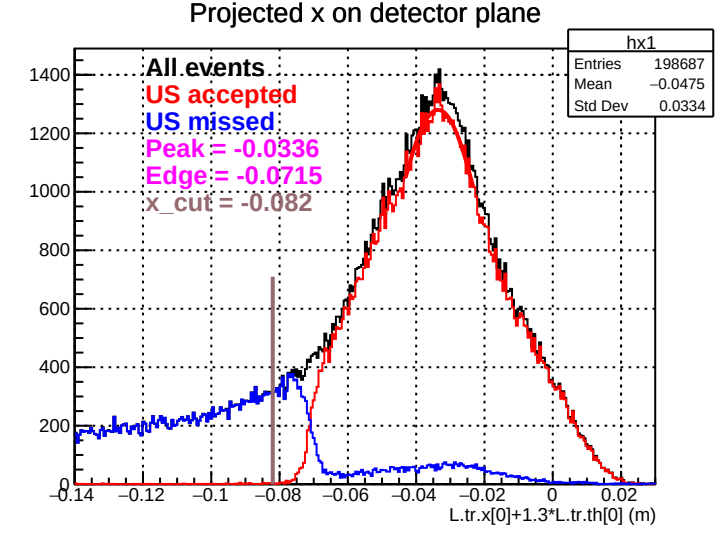

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 119514
Mean 0.5549
Std Dev 0.0757
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

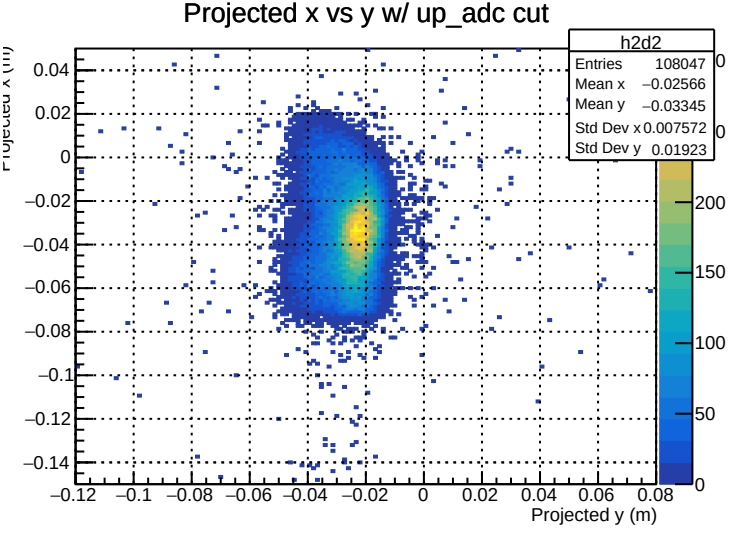

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 119514
Mean 0.006278
Std Dev 0.001278
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

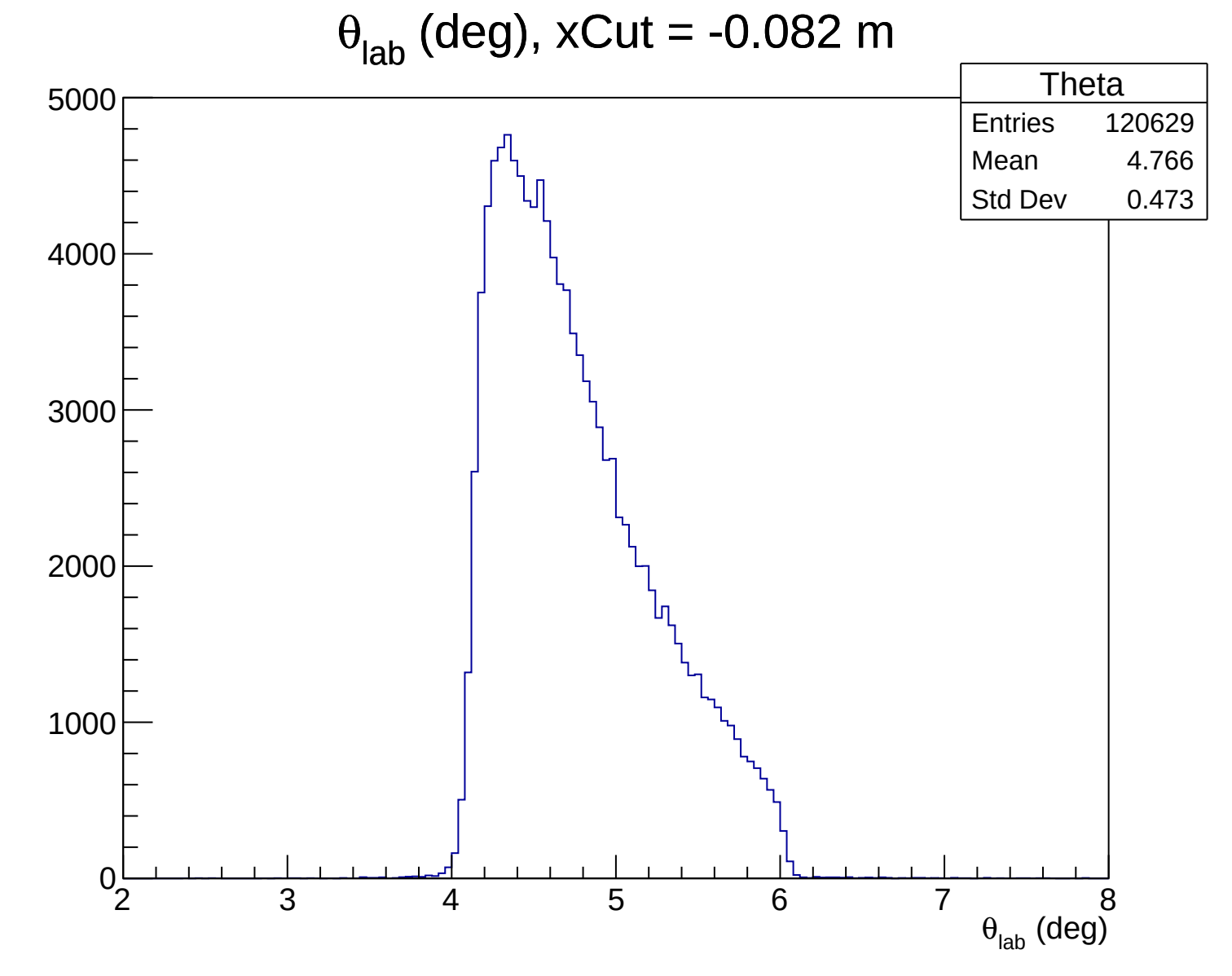

Sensitivity, xCut = -0.080 m
sens
Entries 119514
Mean 0.02205
Std Dev 0.004066
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

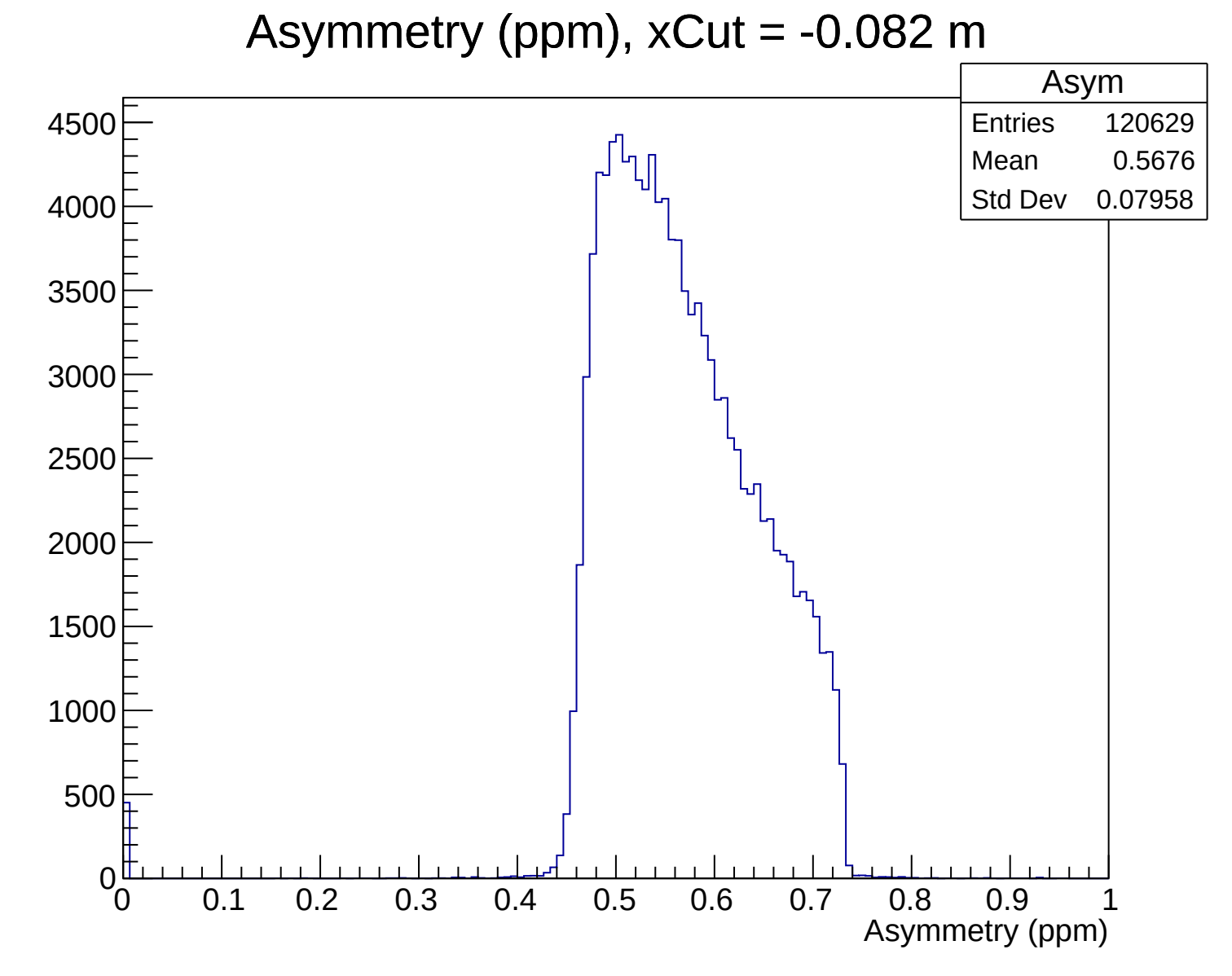

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

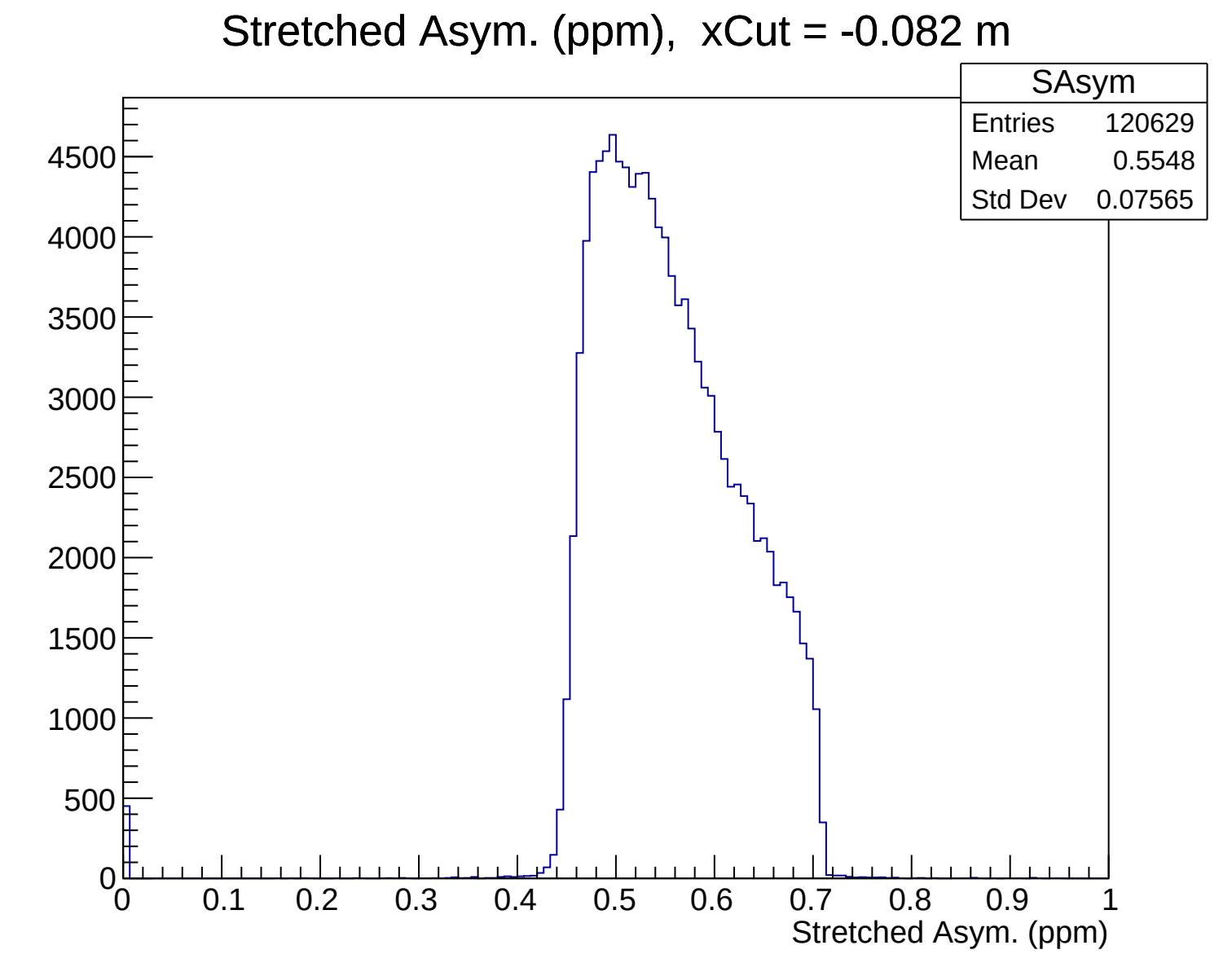

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

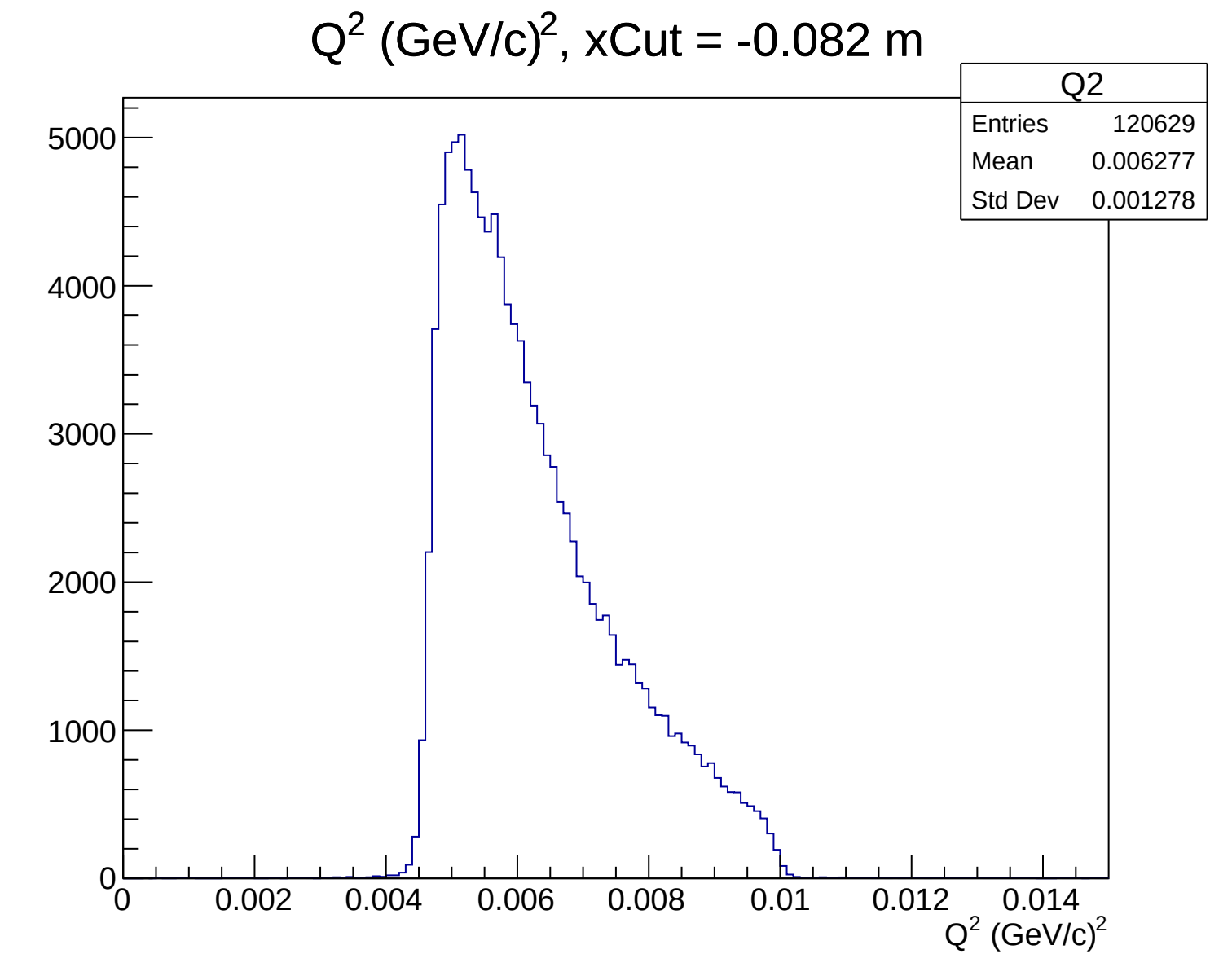

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.082
L.tr.x[0]+1.3*L.tr.th[0] (m)

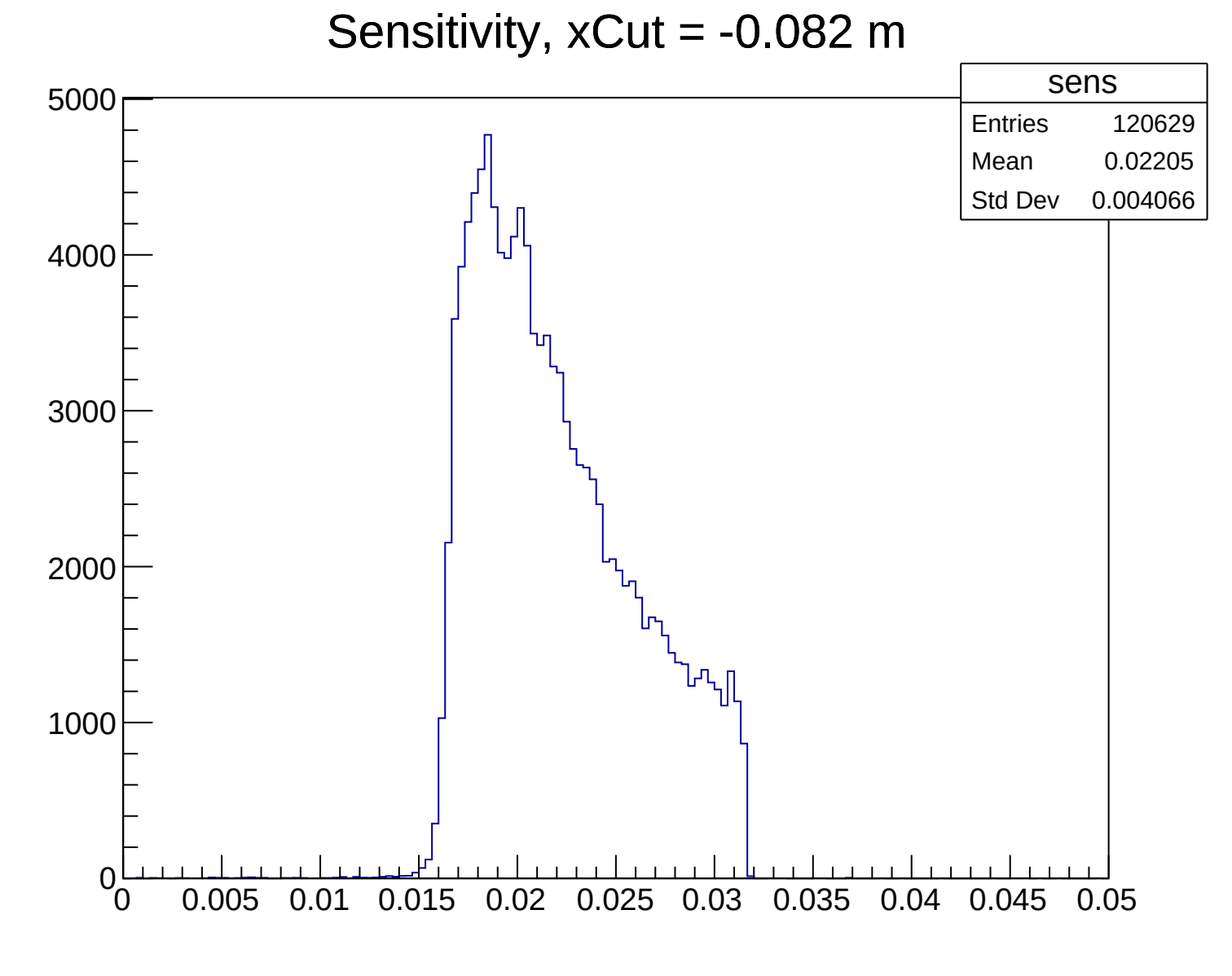

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

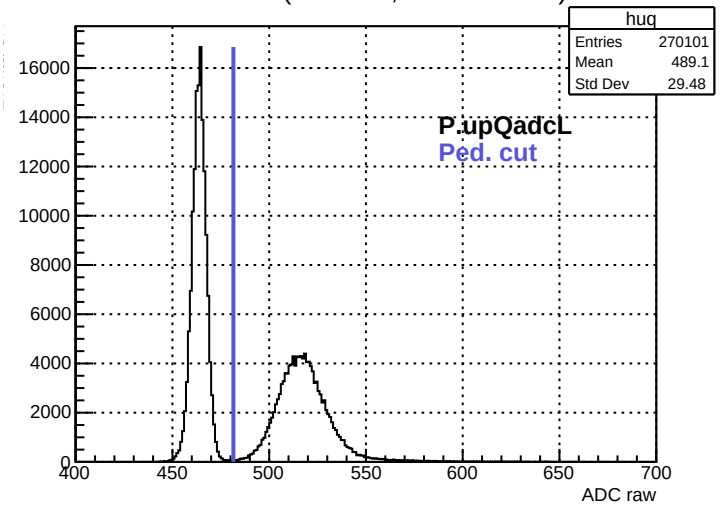

θlab (deg), xCut = -0.082 m
Theta
Entries 120629
Mean 4.766
Std Dev 0.473
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

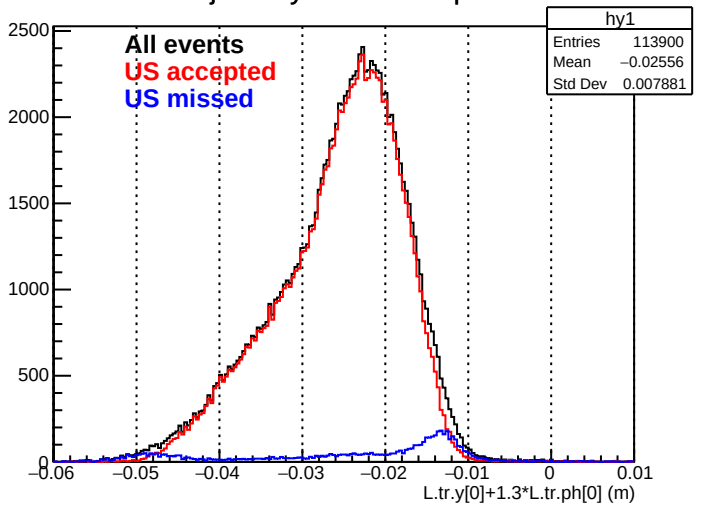

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 120629
Mean 0.5676
Std Dev 0.07958
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

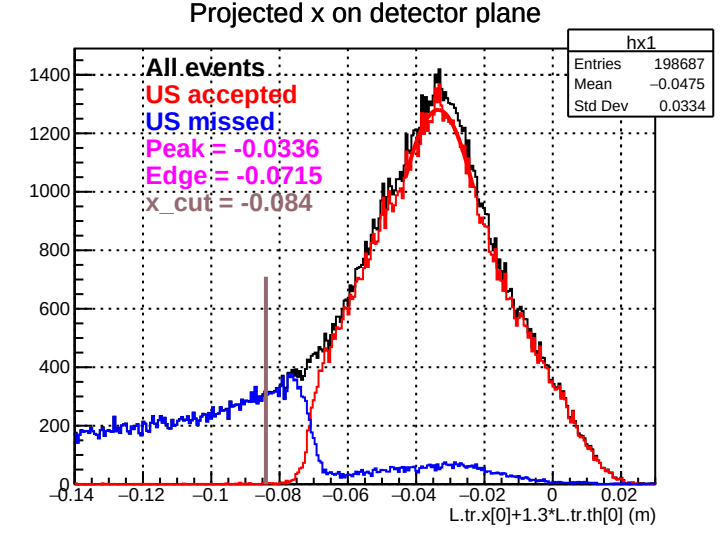

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 120629
Mean 0.5548
Std Dev 0.07565
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

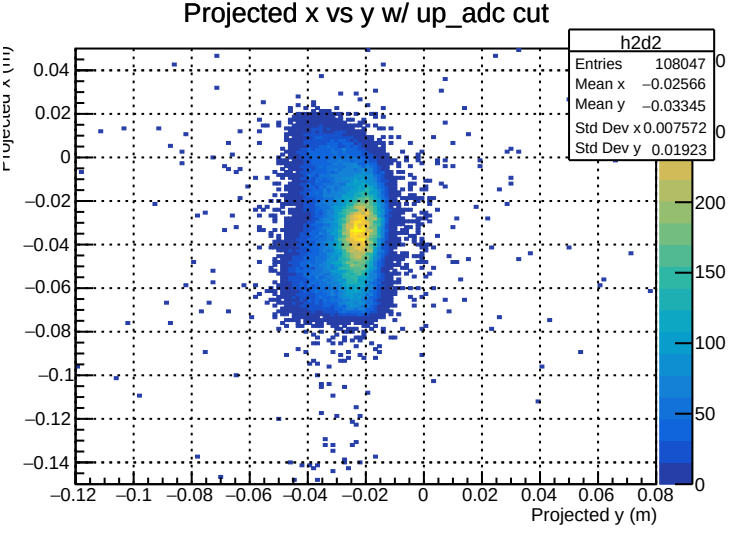

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 120629
Mean 0.006277
Std Dev 0.001278
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

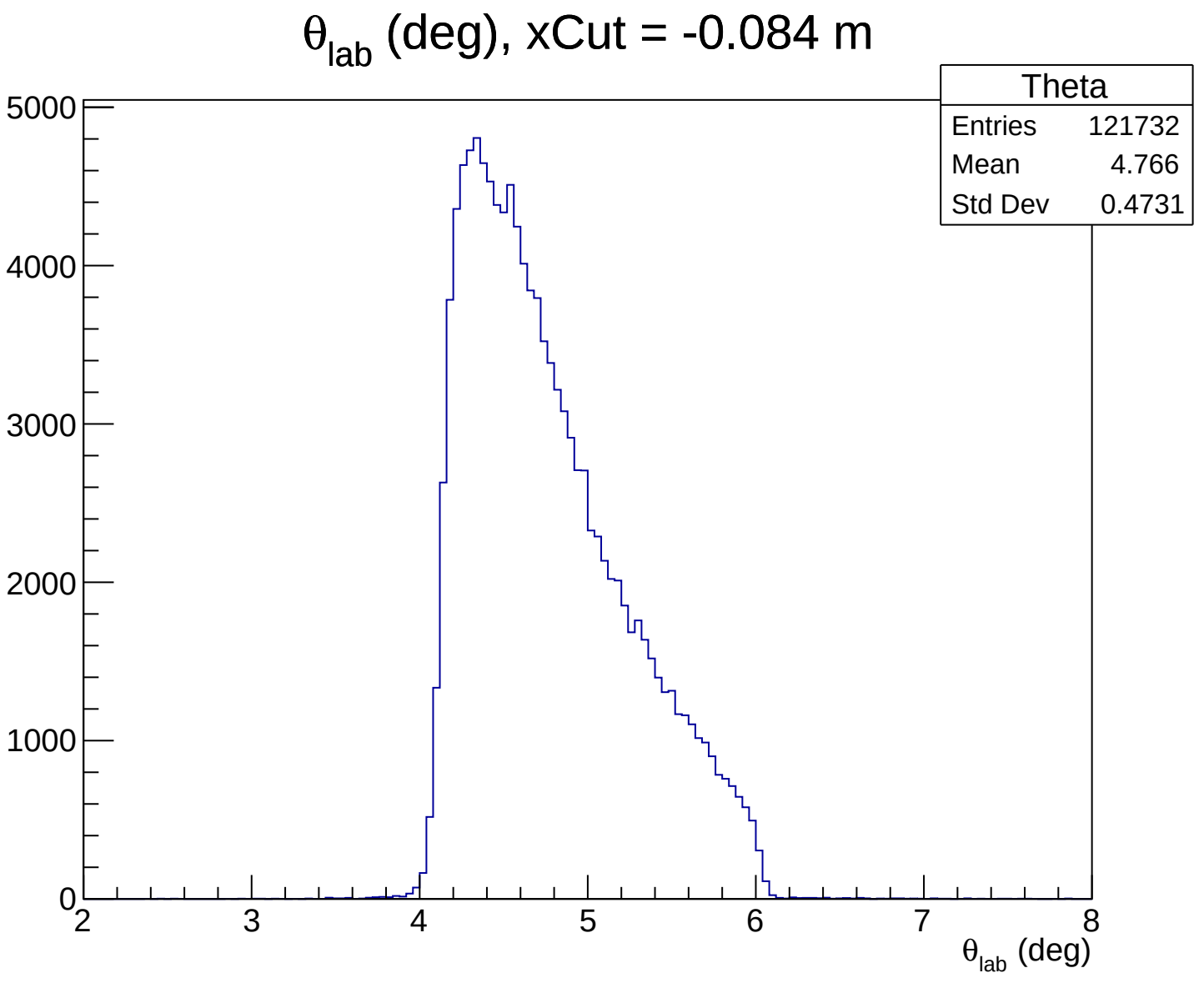

Sensitivity, xCut = -0.082 m
sens
Entries 120629
Mean 0.02205
Std Dev 0.004066
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

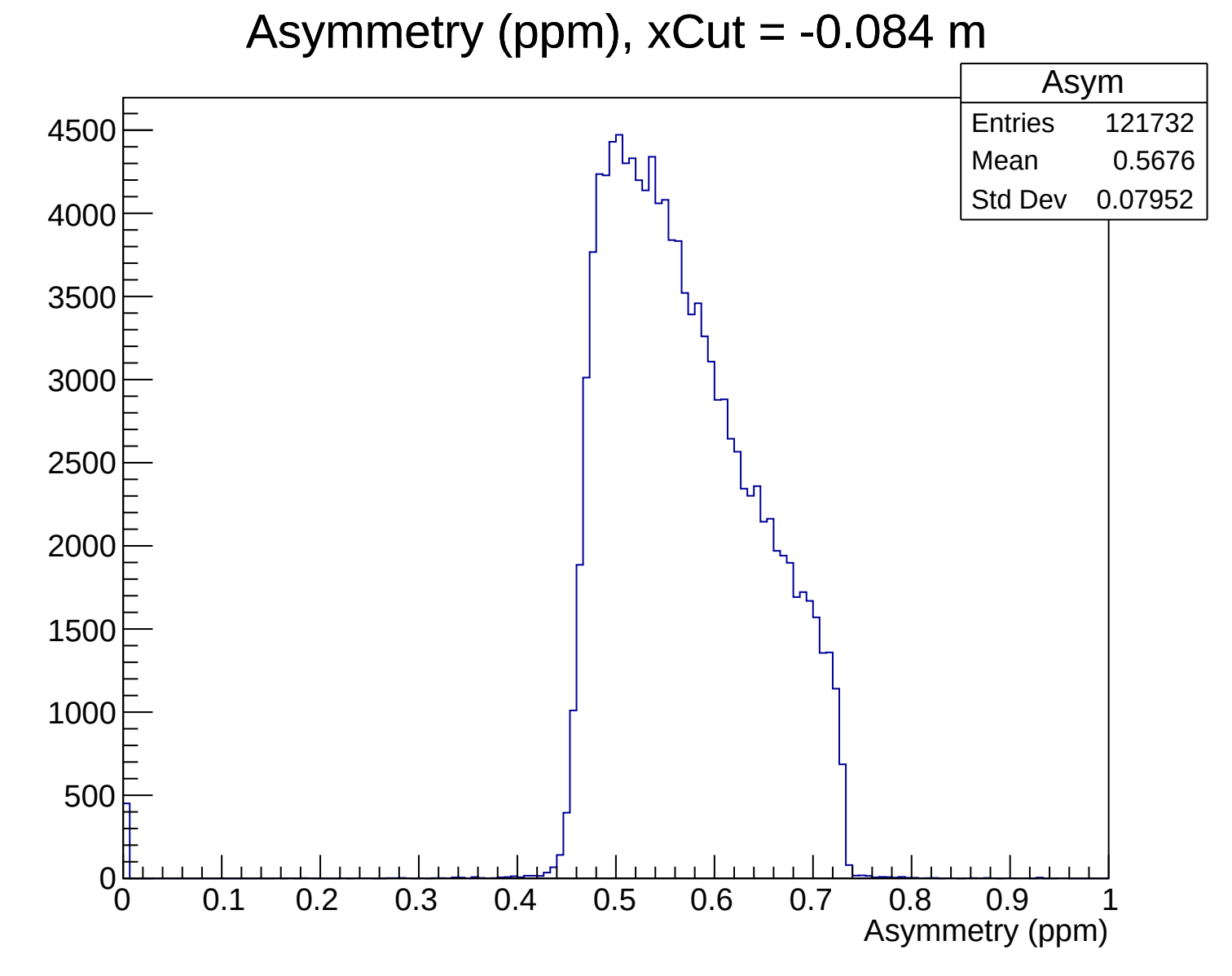

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

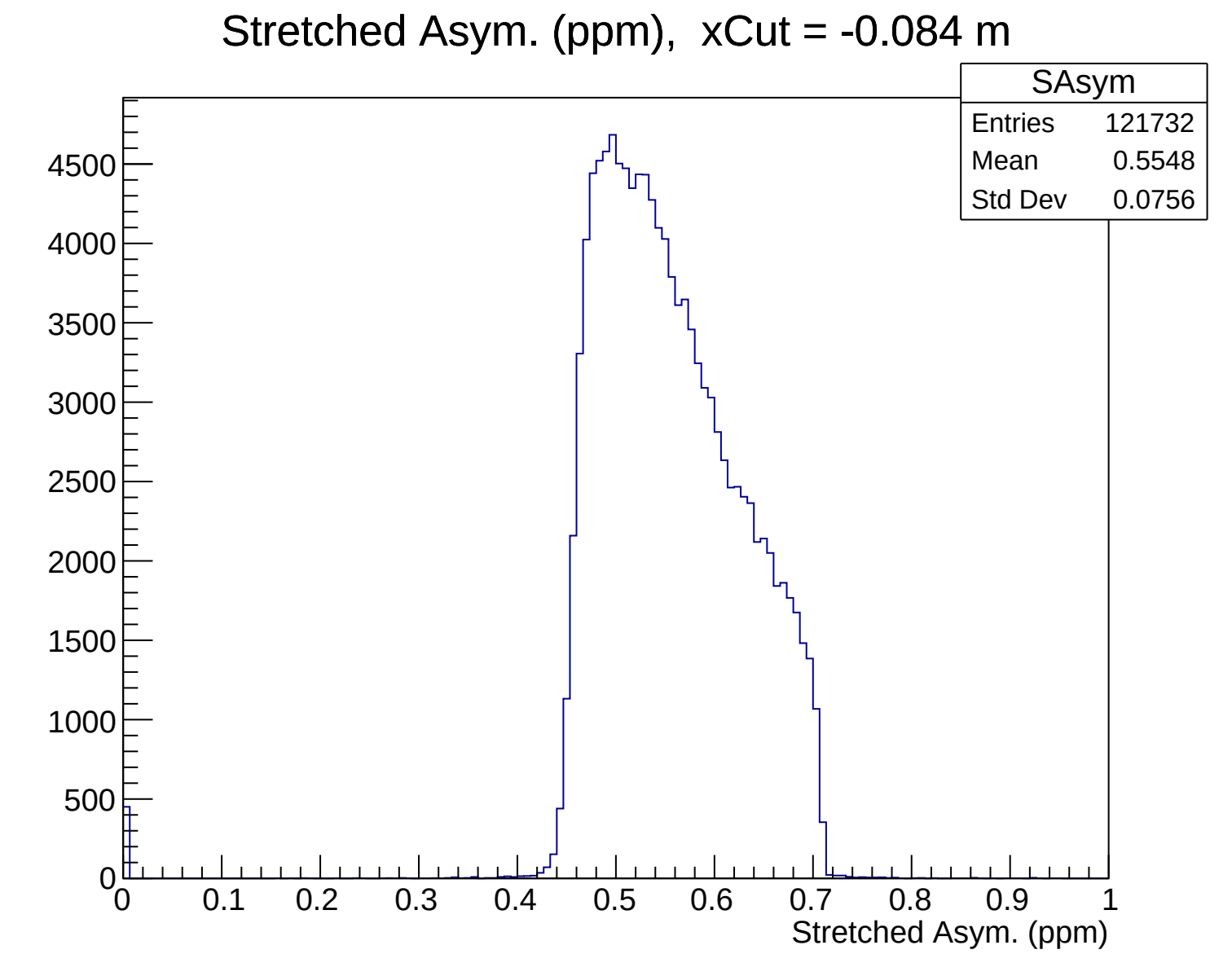

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

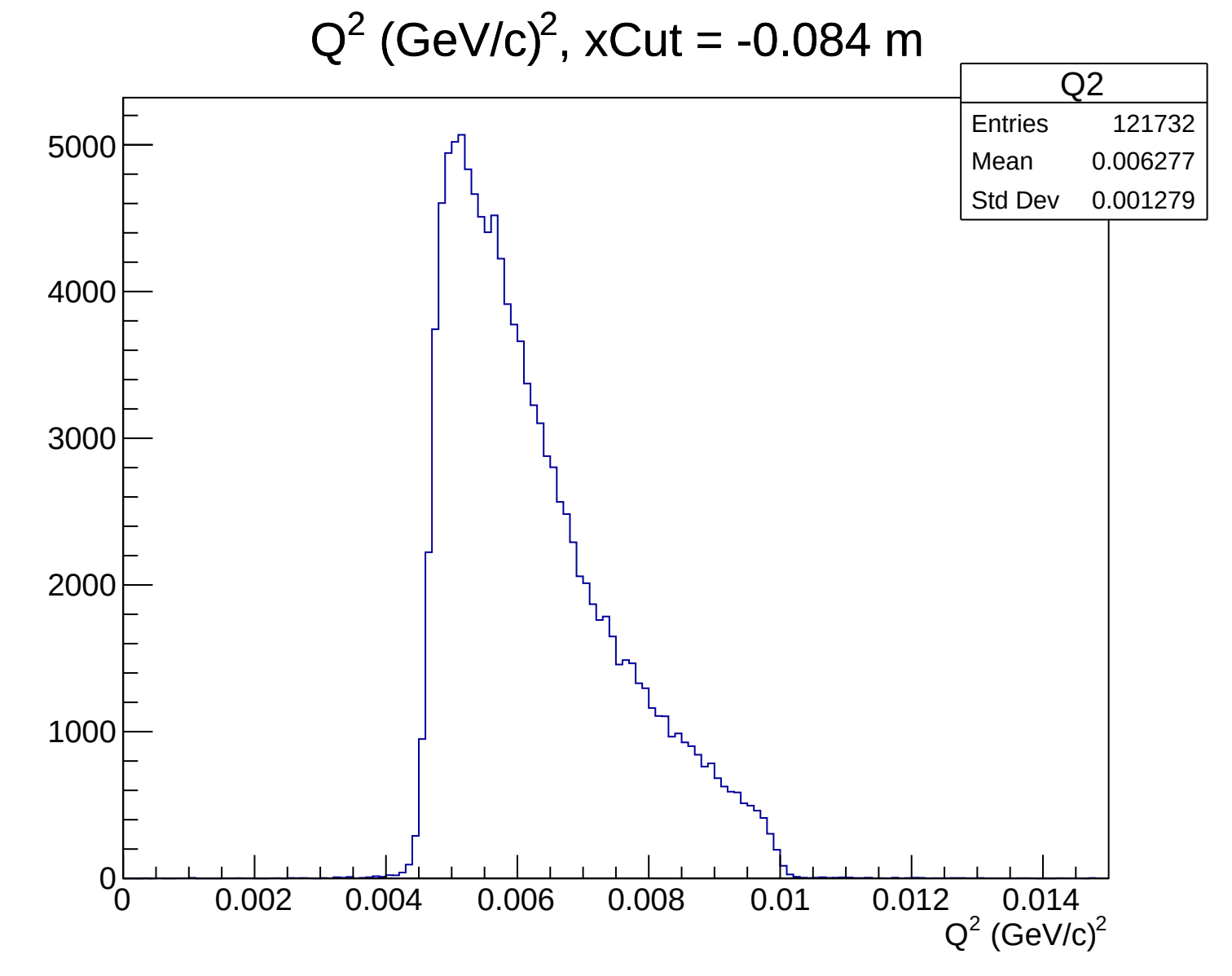

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

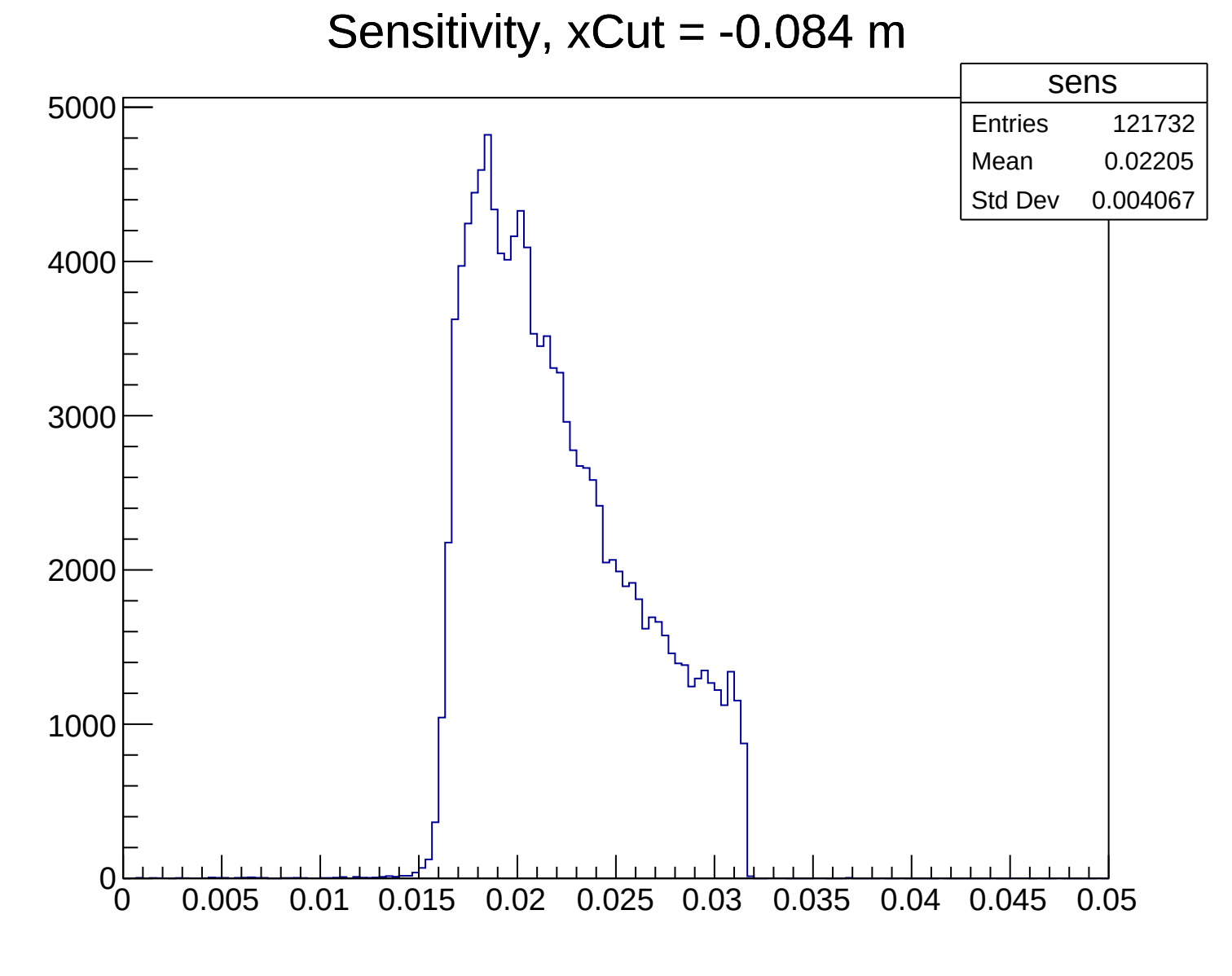

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

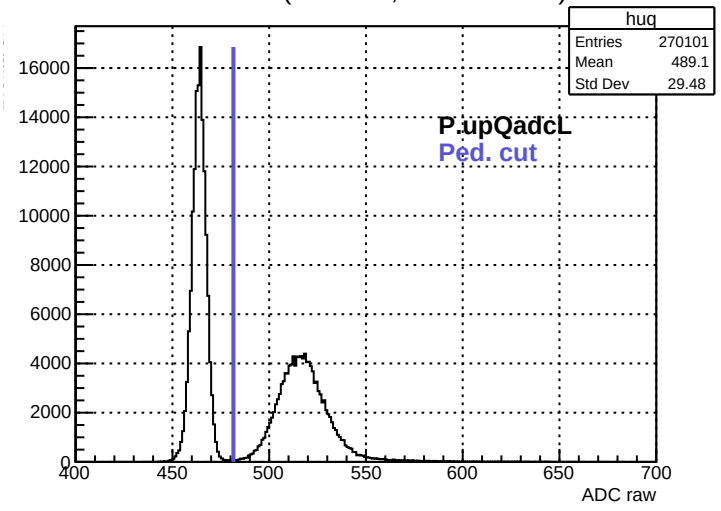

θlab (deg), xCut = -0.084 m
Theta
Entries 121732
Mean 4.766
Std Dev 0.4731
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

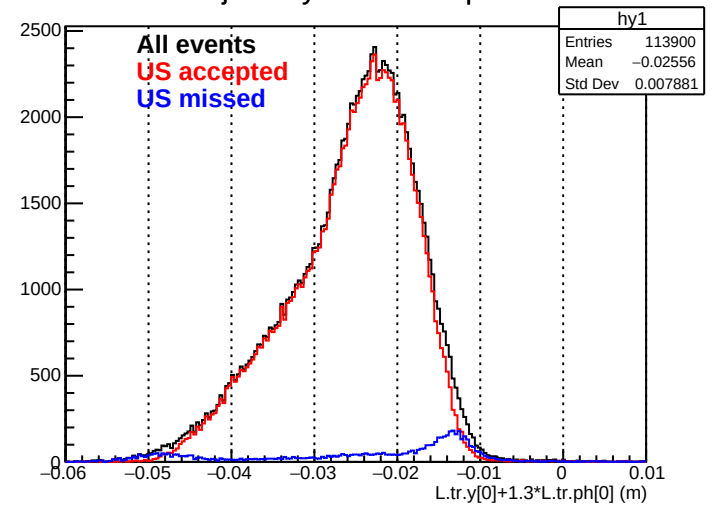

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 121732
Mean 0.5676
Std Dev 0.07952
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

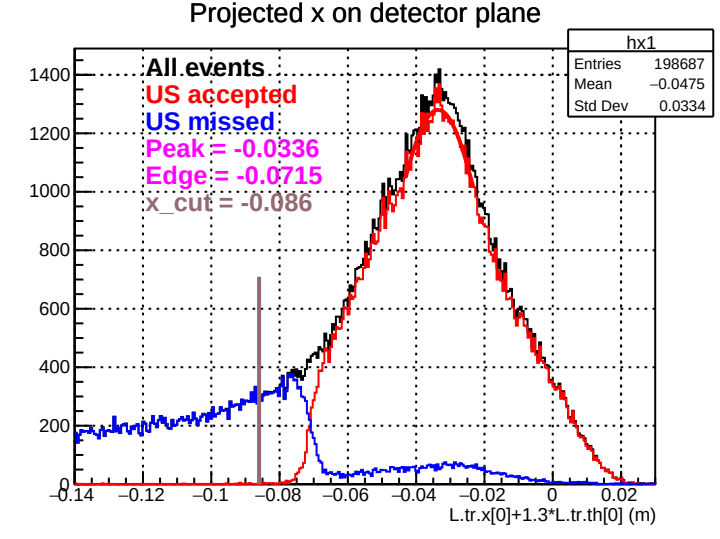

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 121732
Mean 0.5548
Std Dev 0.0756
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

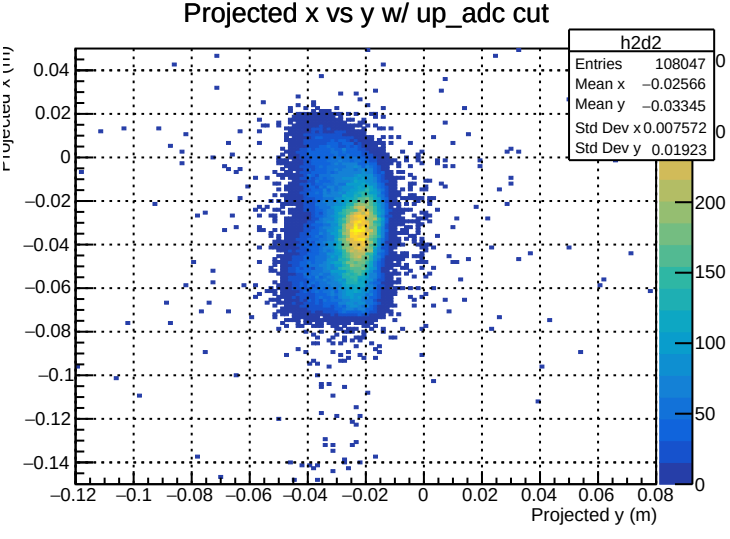

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 121732
Mean 0.006277
Std Dev 0.001279
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

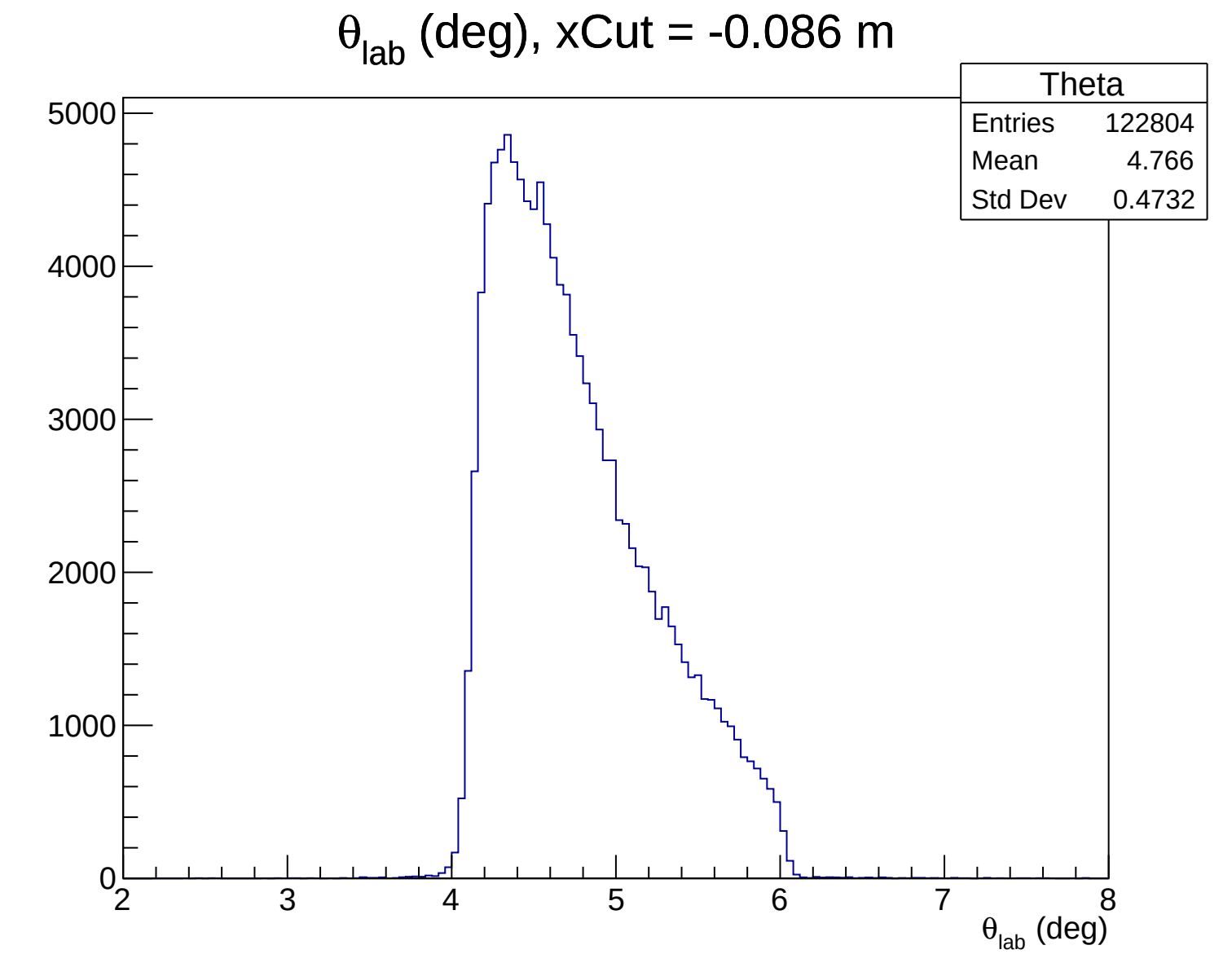

Sensitivity, xCut = -0.084 m
sens
Entries 121732
Mean 0.02205
Std Dev 0.004067
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

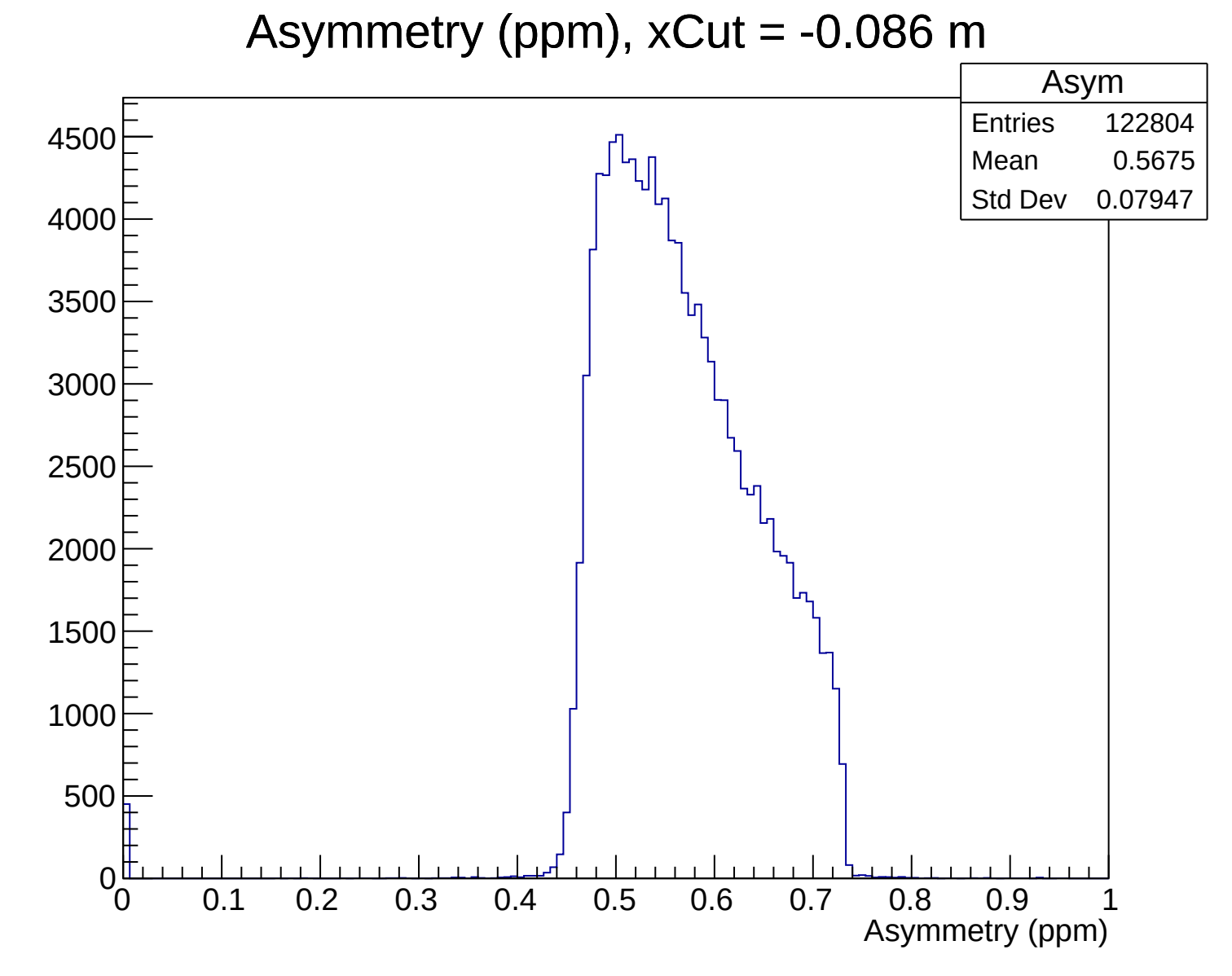

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

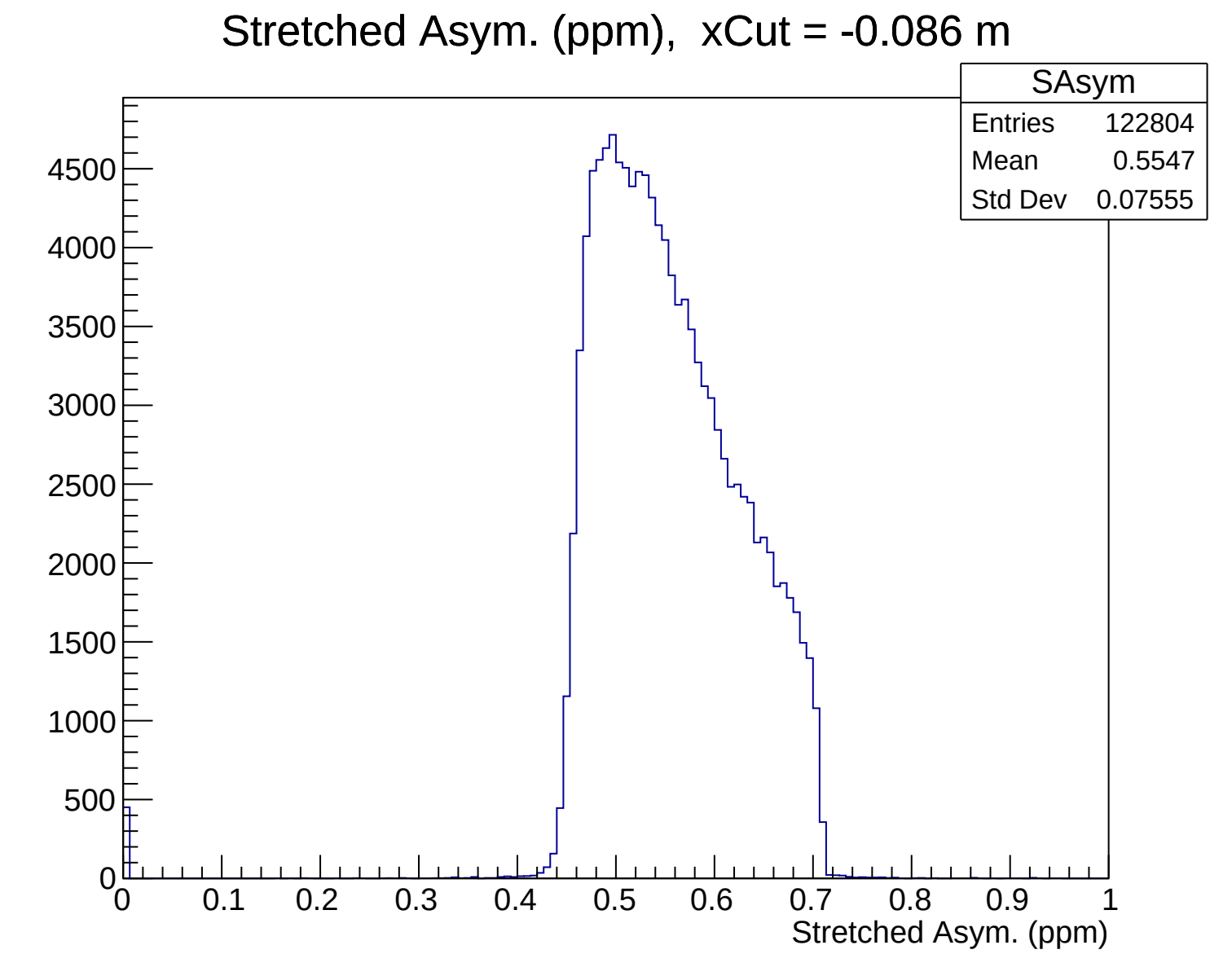

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

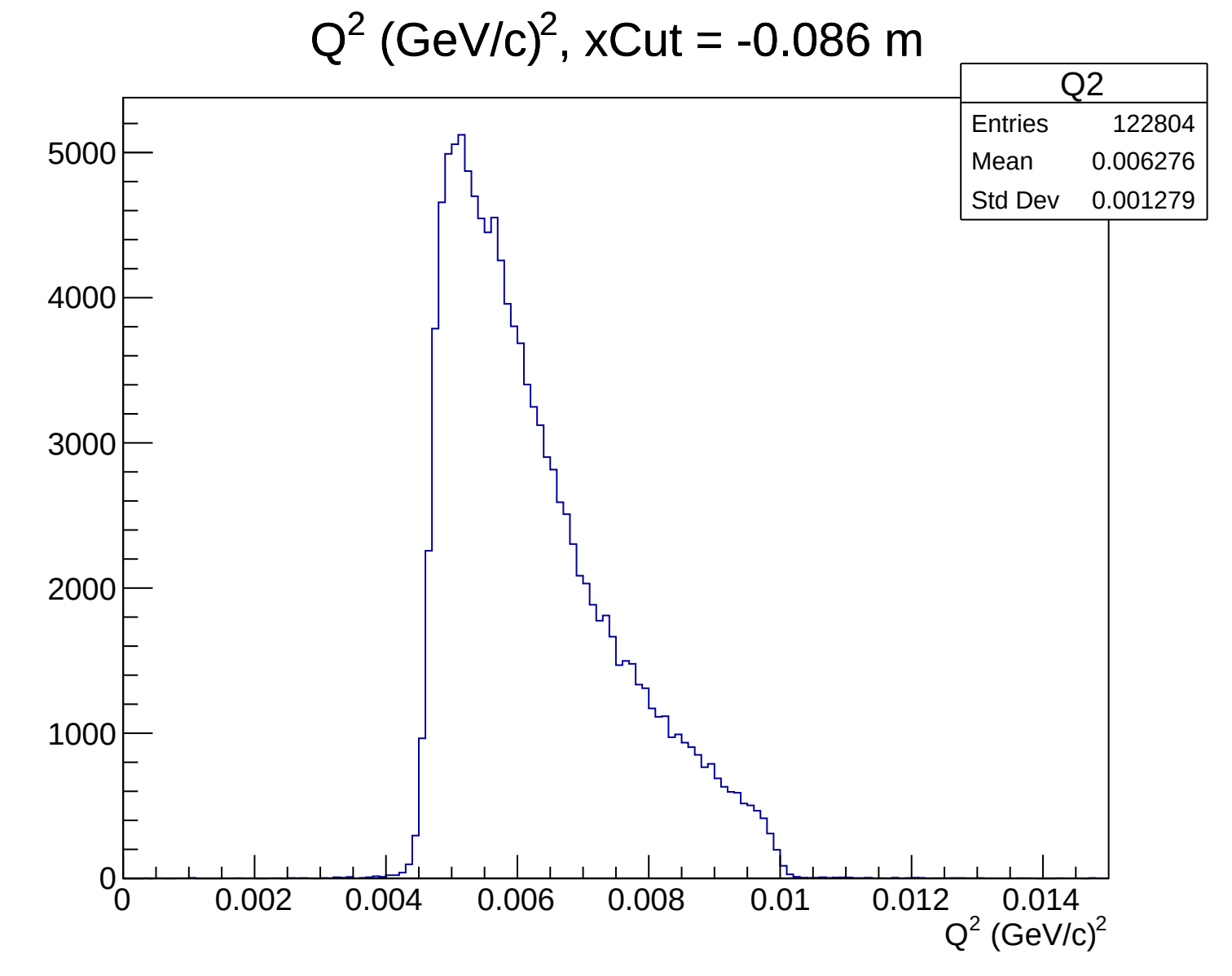

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.086
L.tr.x[0]+1.3*L.tr.th[0] (m)

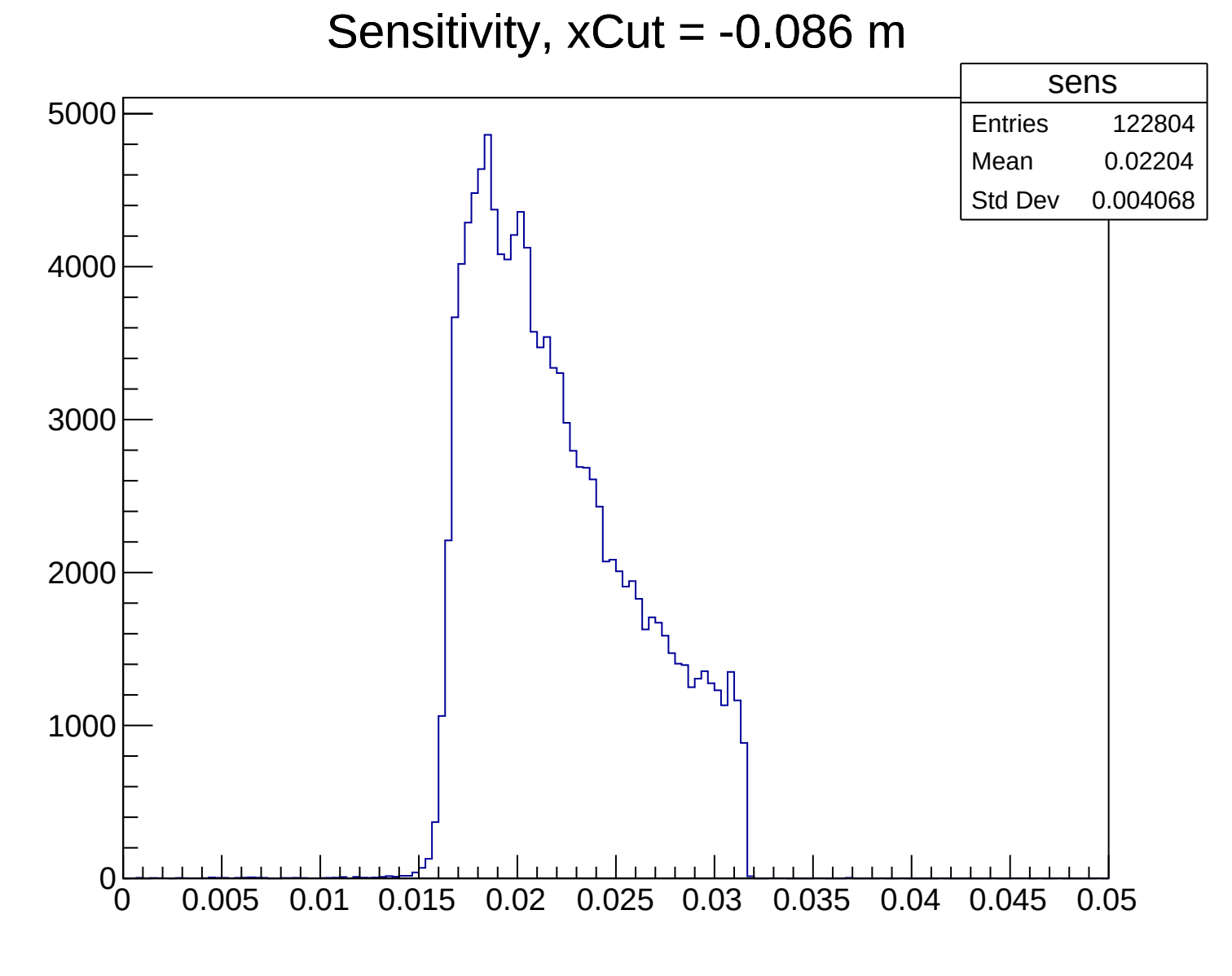

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

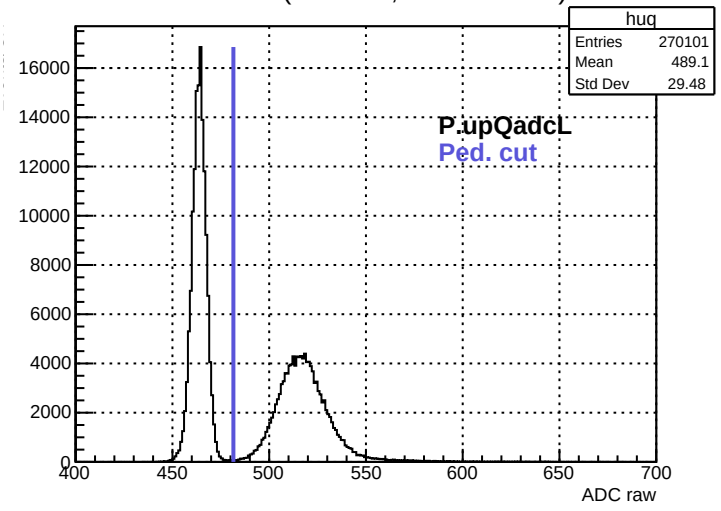

θlab (deg), xCut = -0.086 m
Theta
Entries 122804
Mean 4.766
Std Dev 0.4732
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

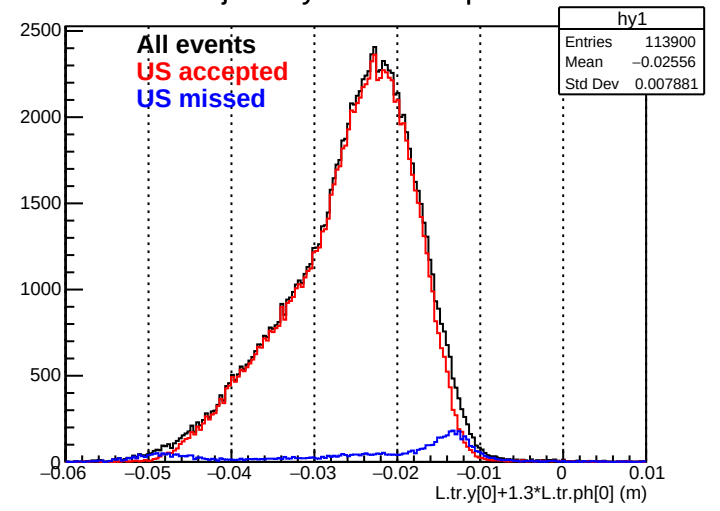

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 122804
Mean 0.5675
Std Dev 0.07947
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

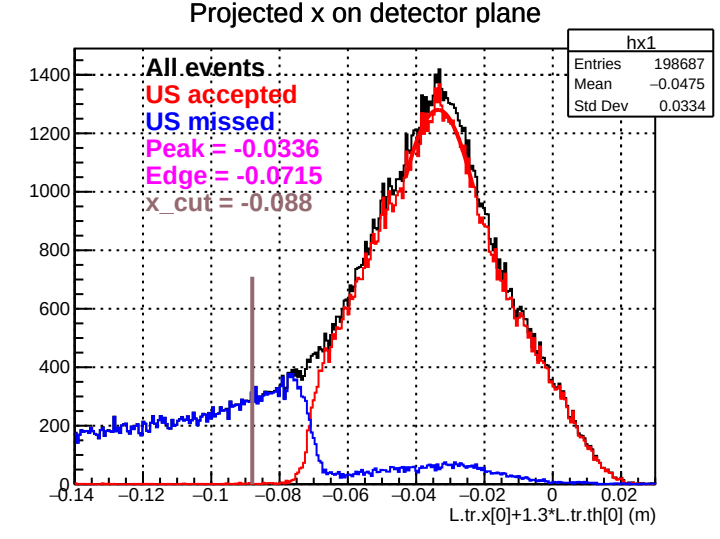

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 122804
Mean 0.5547
Std Dev 0.07555
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

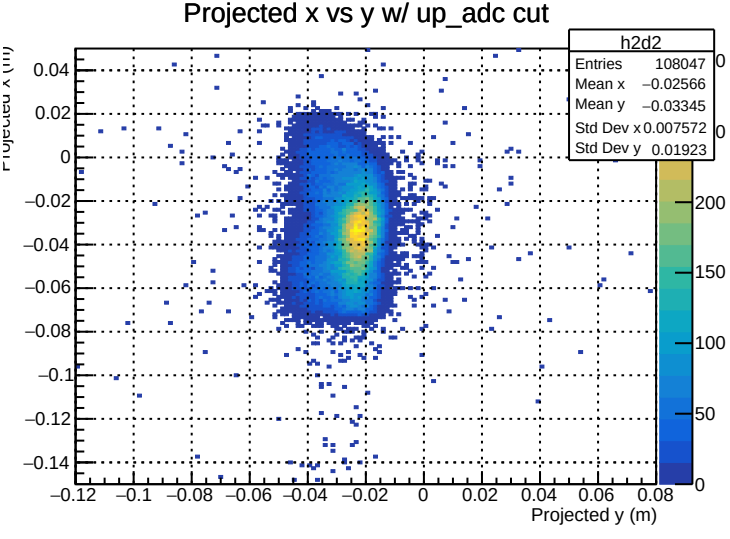

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 122804
Mean 0.006276
Std Dev 0.001279
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

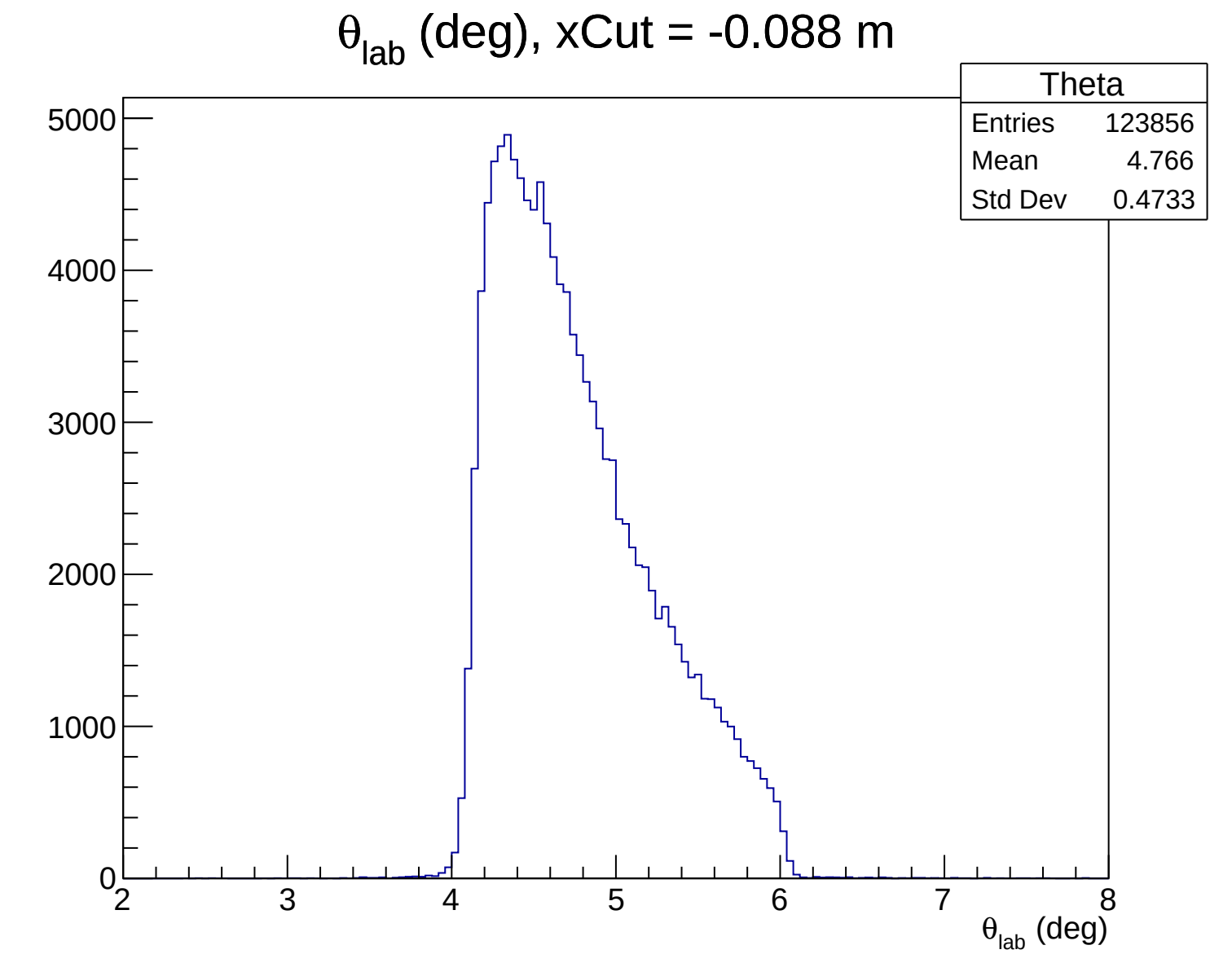

Sensitivity, xCut = -0.086 m
sens
Entries 122804
Mean 0.02204
Std Dev 0.004068
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

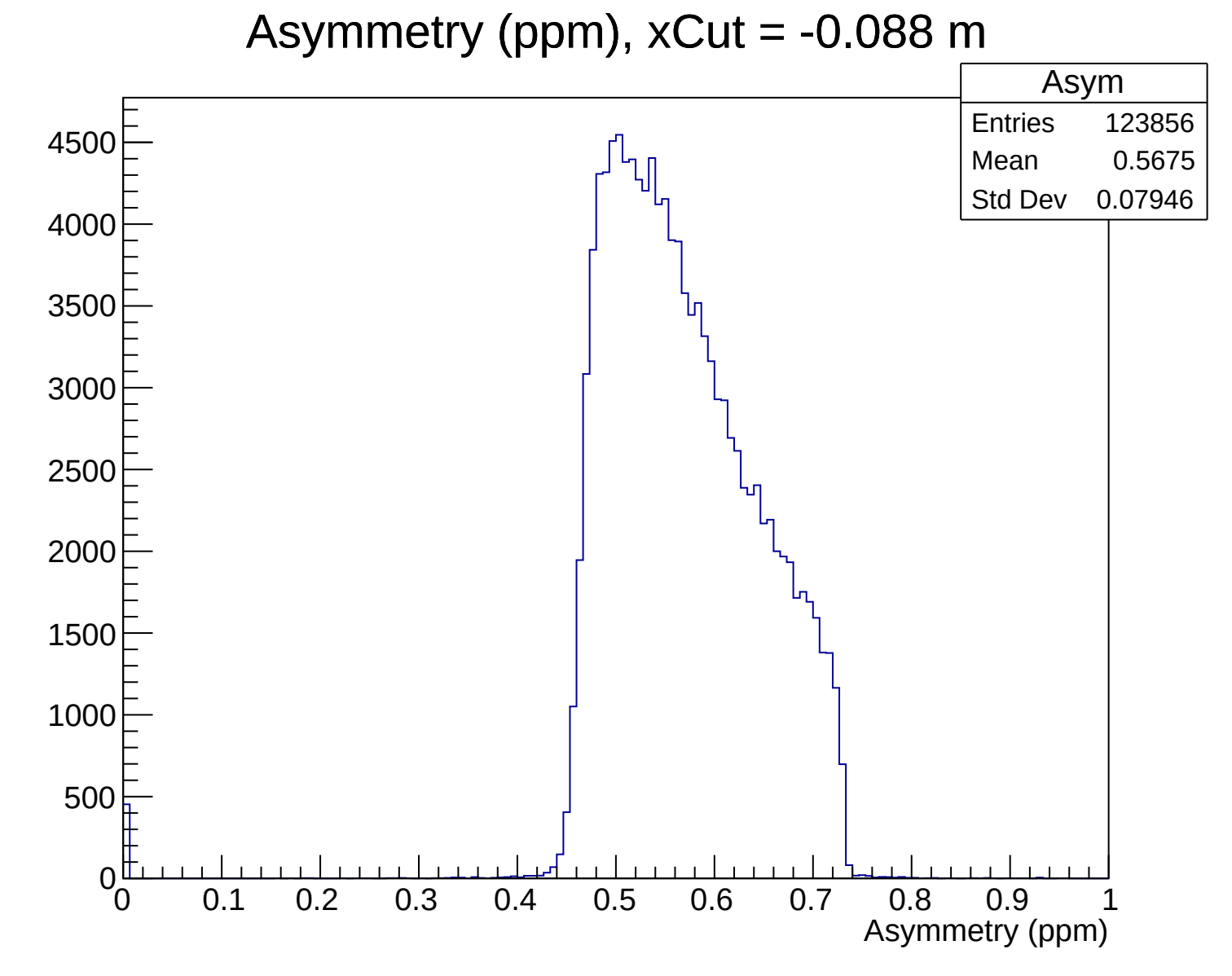

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

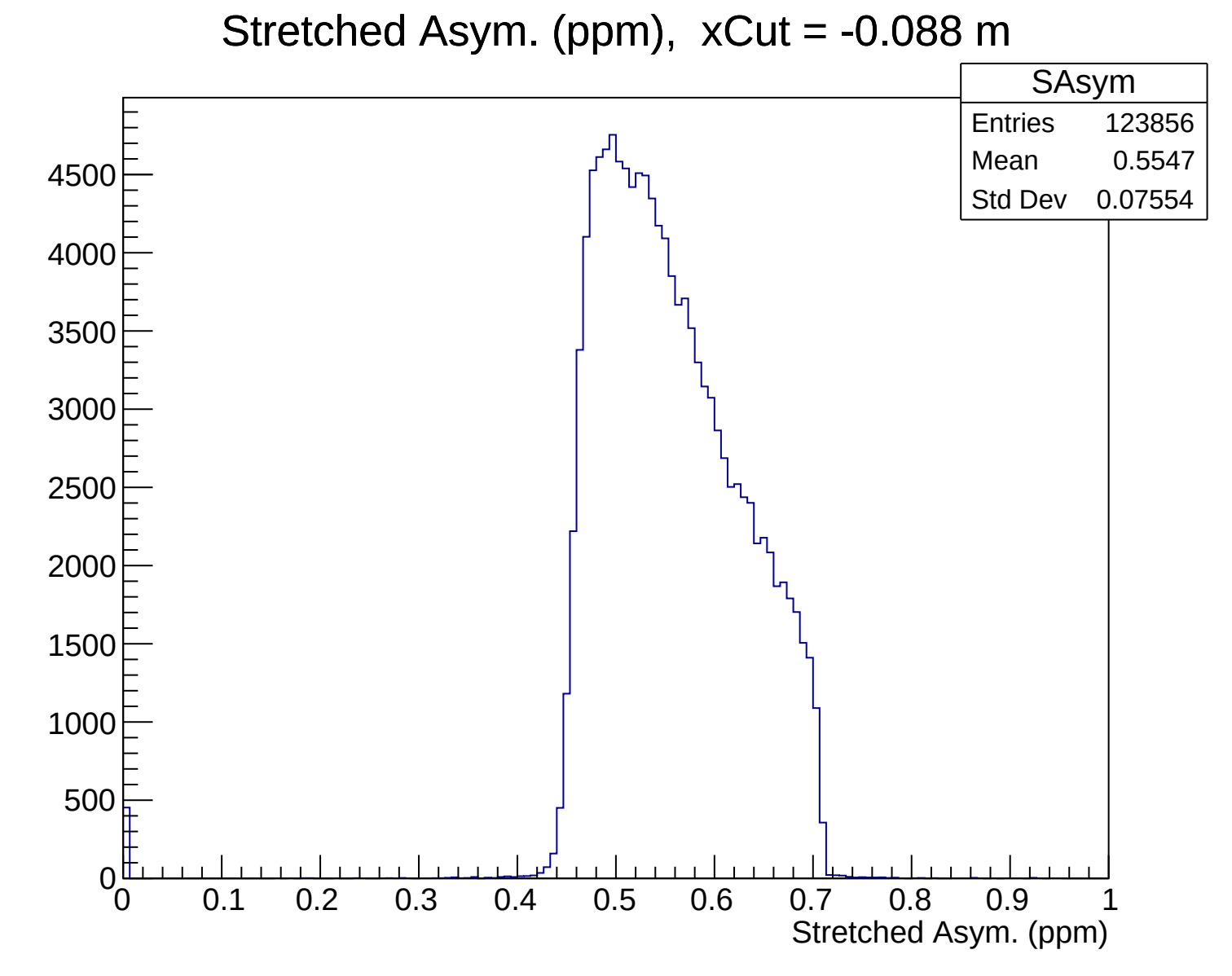

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

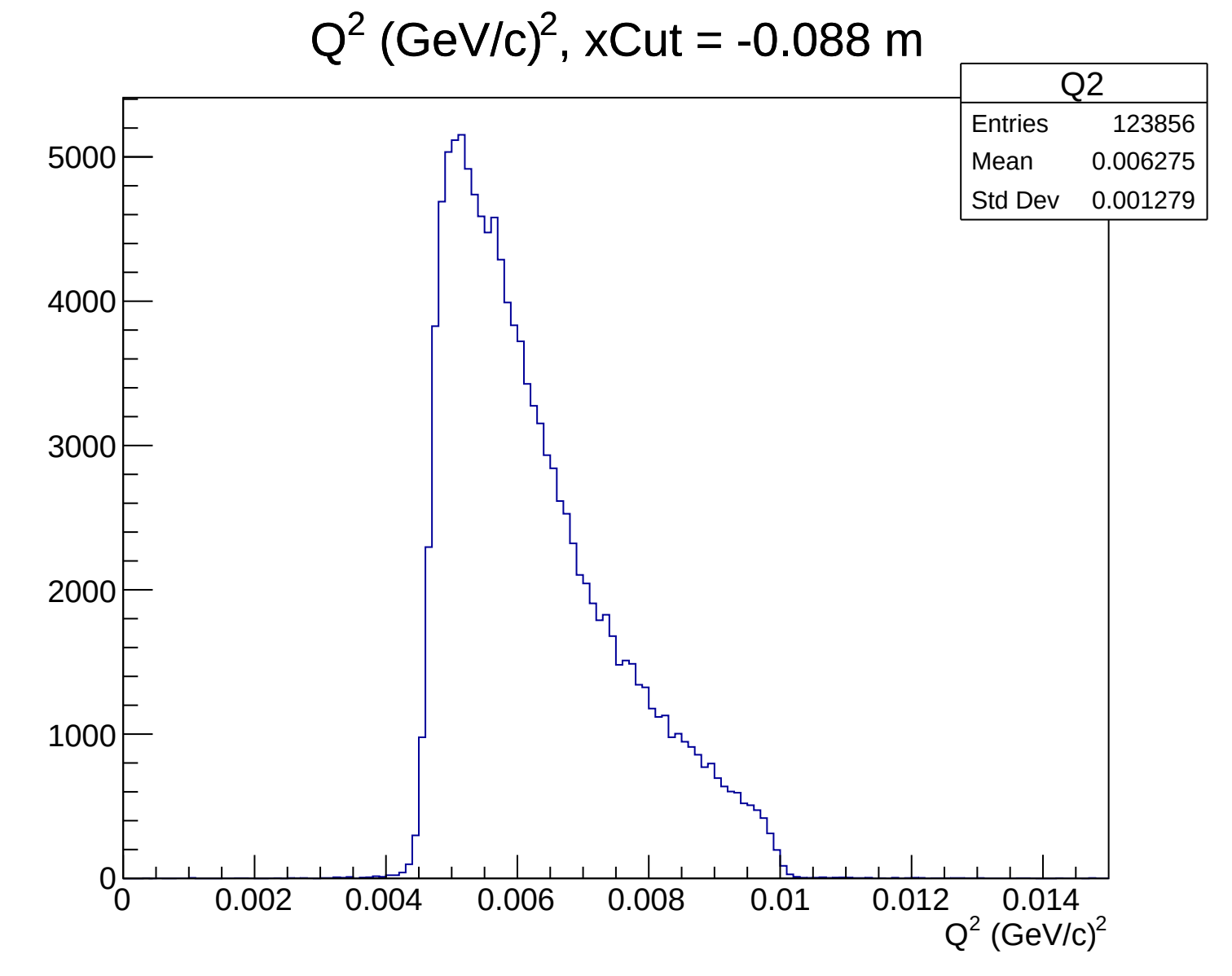

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

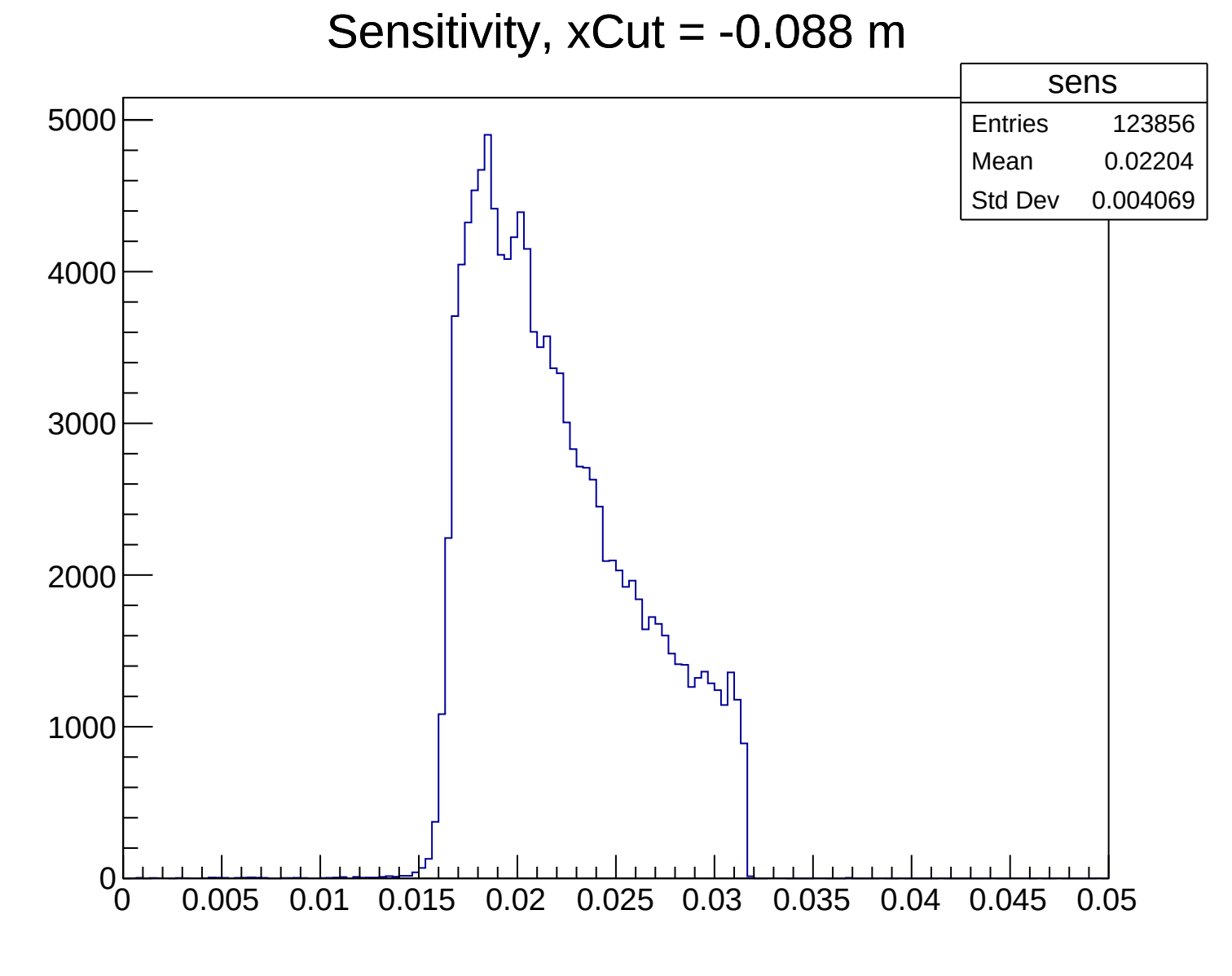

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

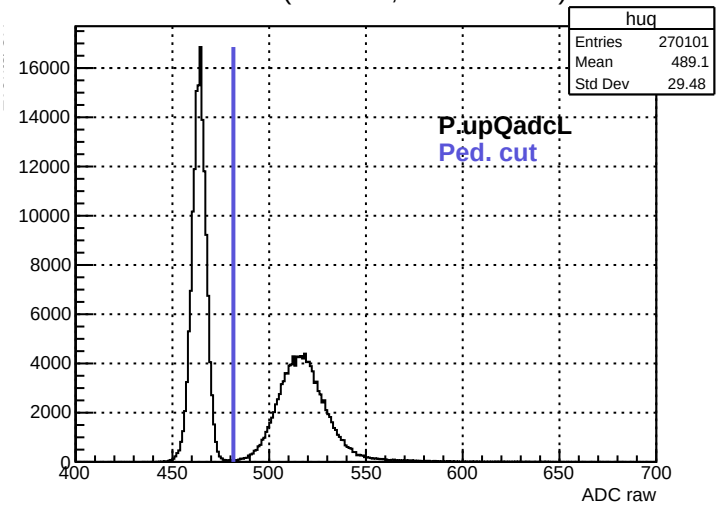

θlab (deg), xCut = -0.088 m
Theta
Entries 123856
Mean 4.766
Std Dev 0.4733
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

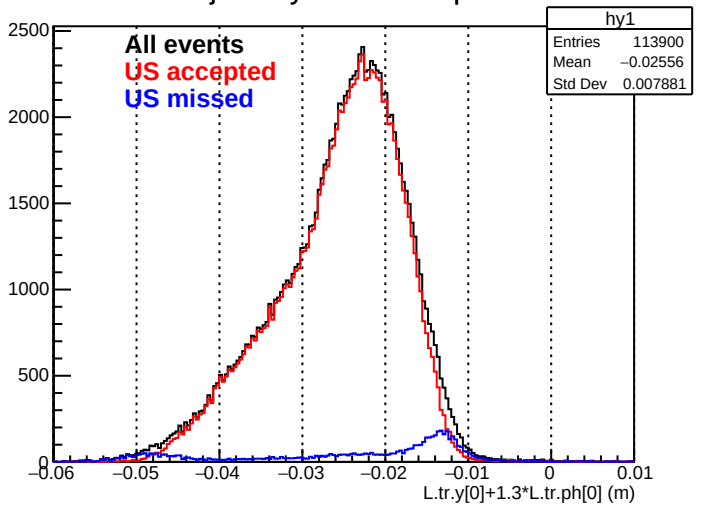

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 123856
Mean 0.5675
Std Dev 0.07946
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

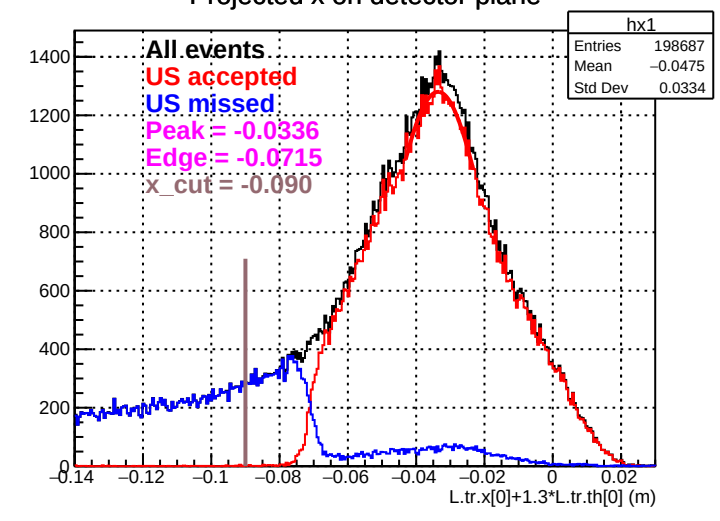

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 123856
Mean 0.5547
Std Dev 0.07554
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

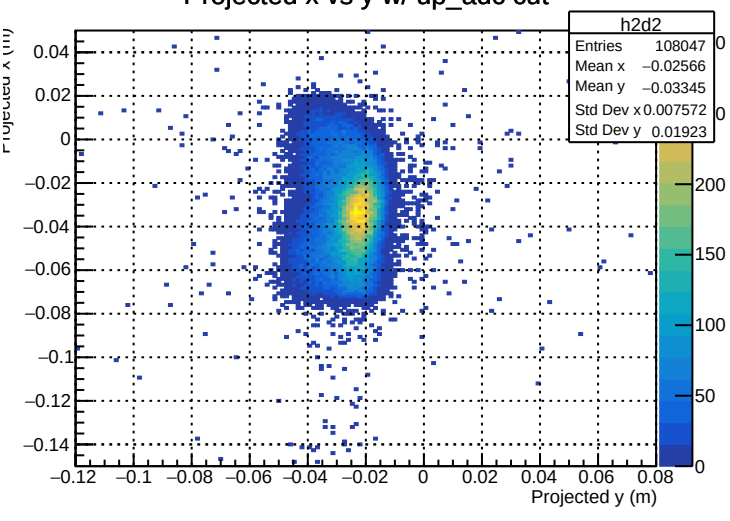

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 123856
Mean 0.006275
Std Dev 0.001279
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

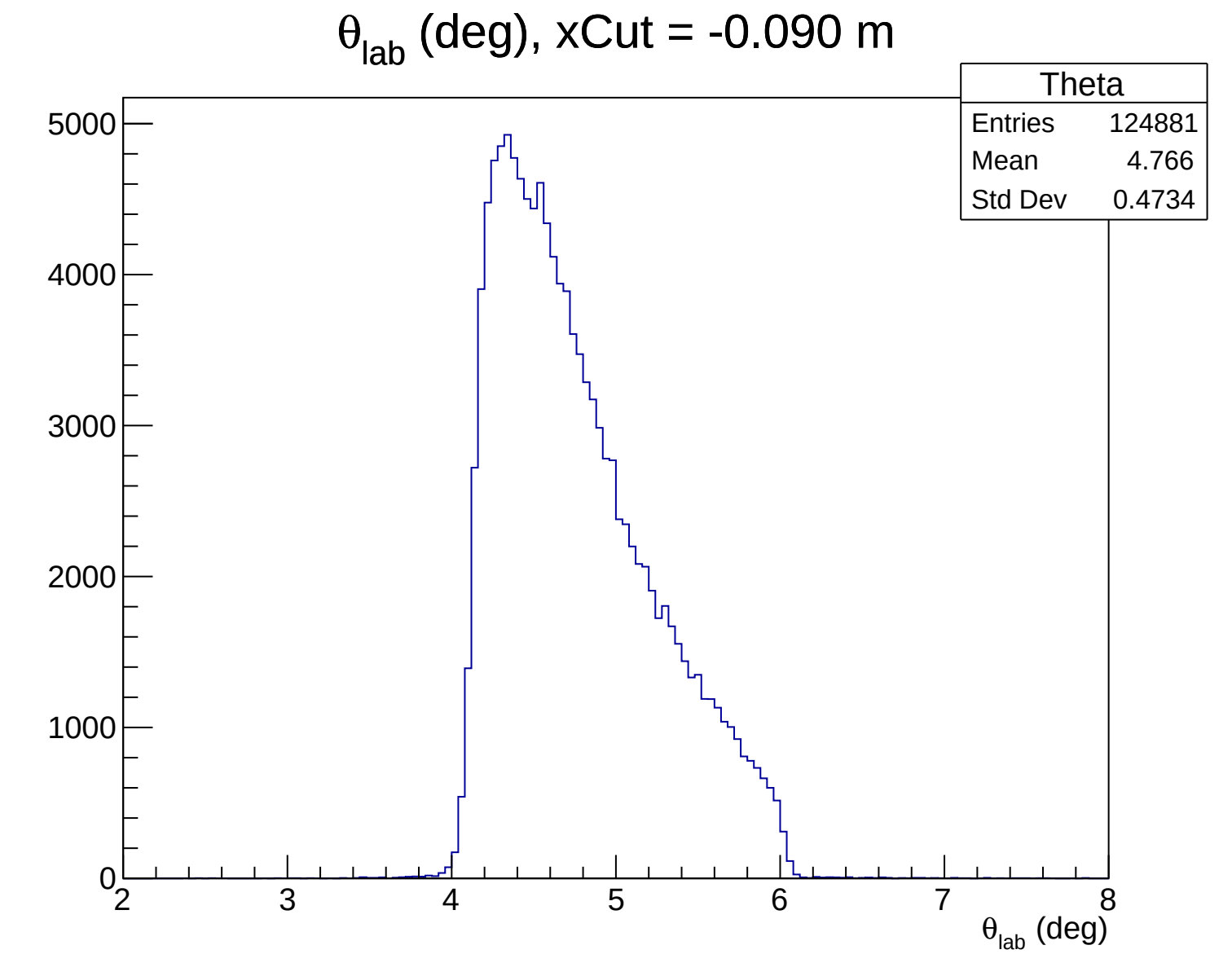

Sensitivity, xCut = -0.088 m
sens
Entries 123856
Mean 0.02204
Std Dev 0.004069
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

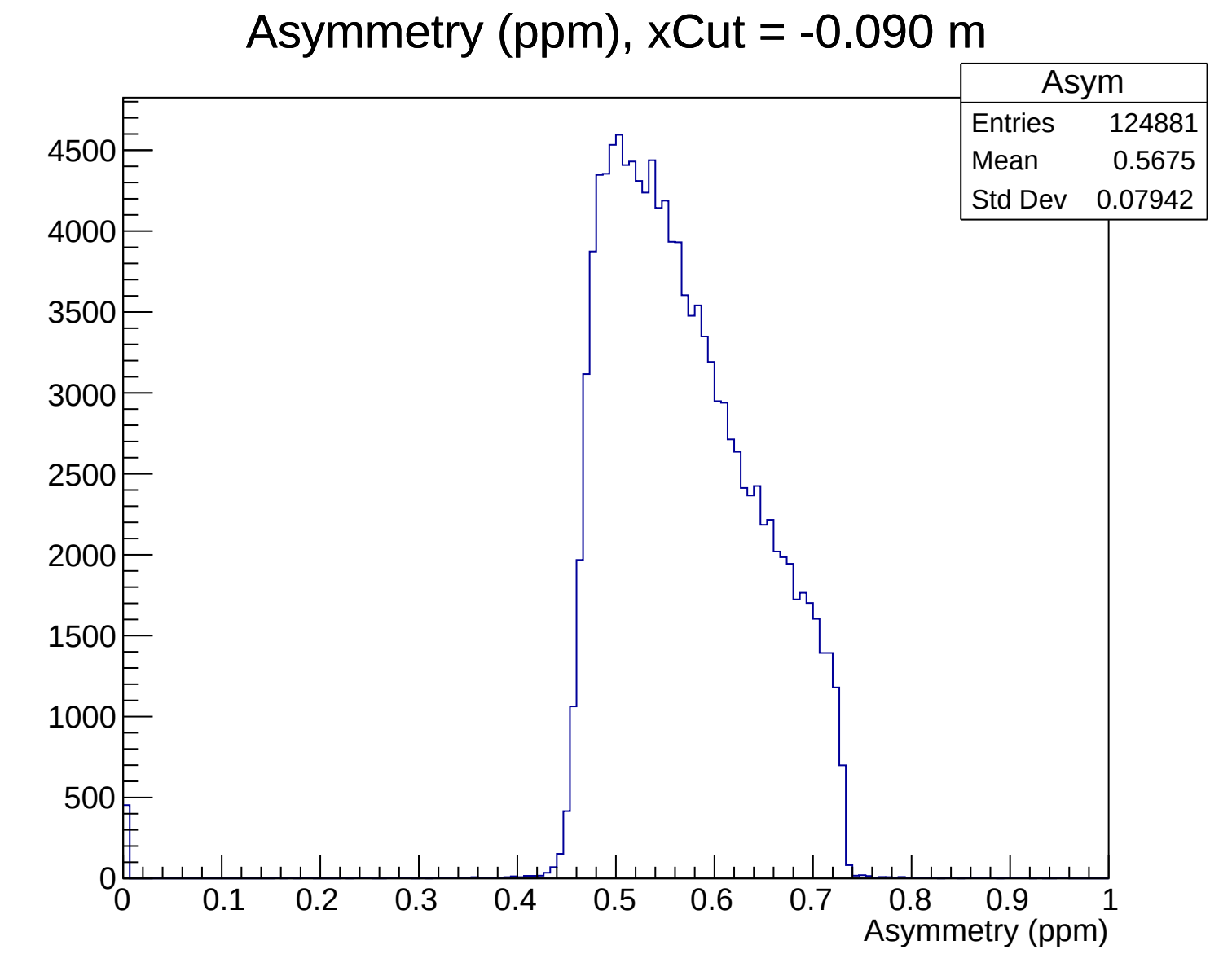

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

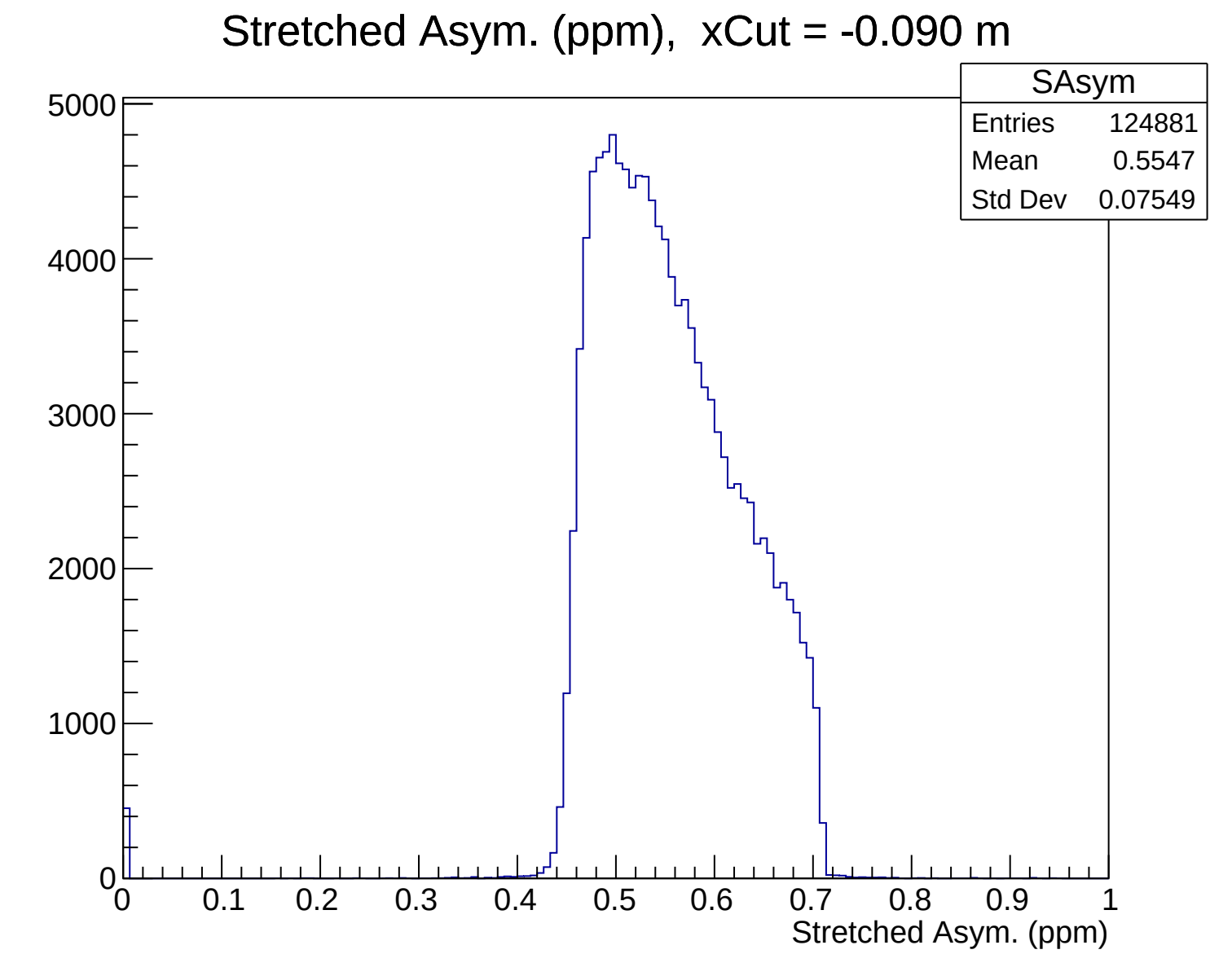

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

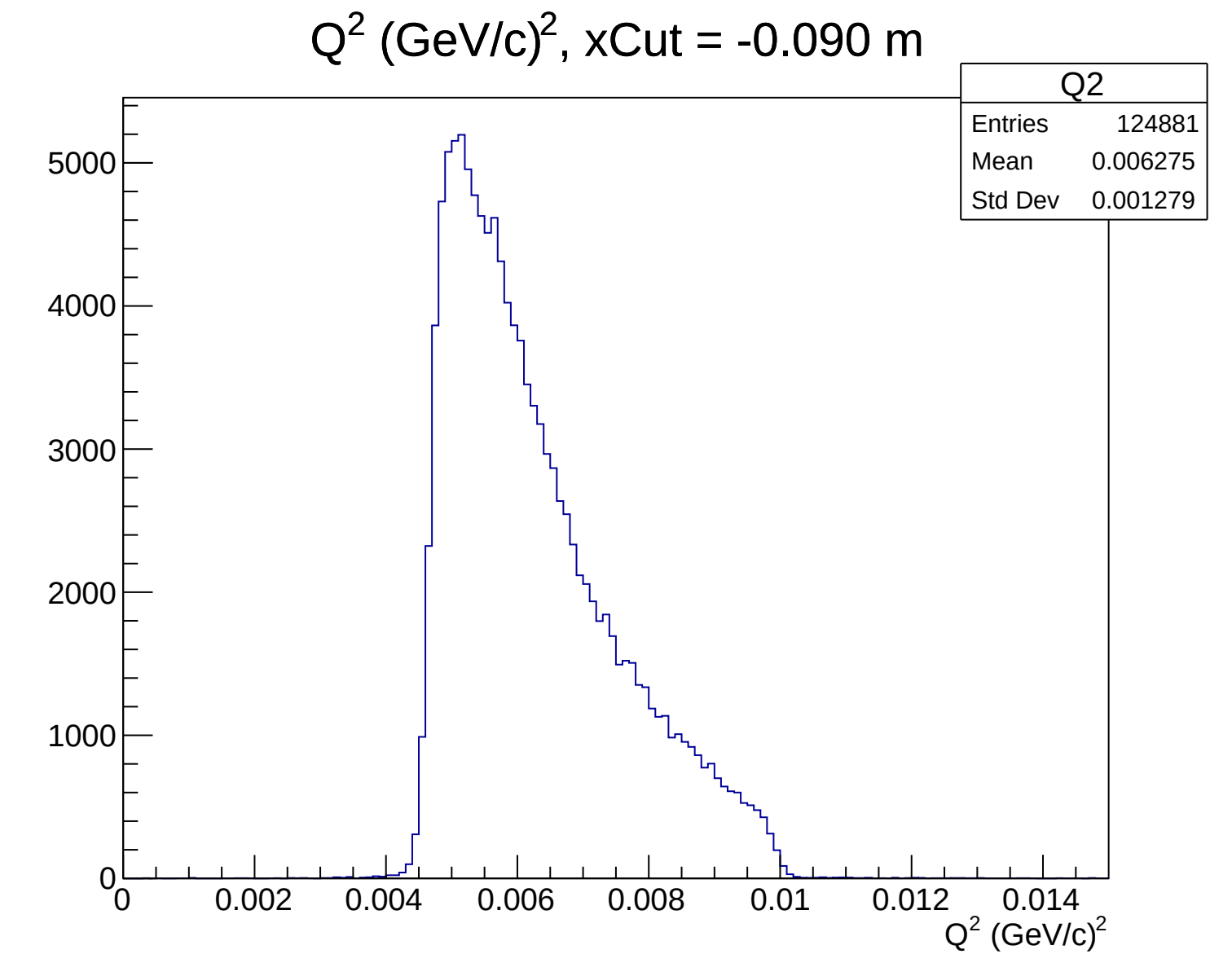

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

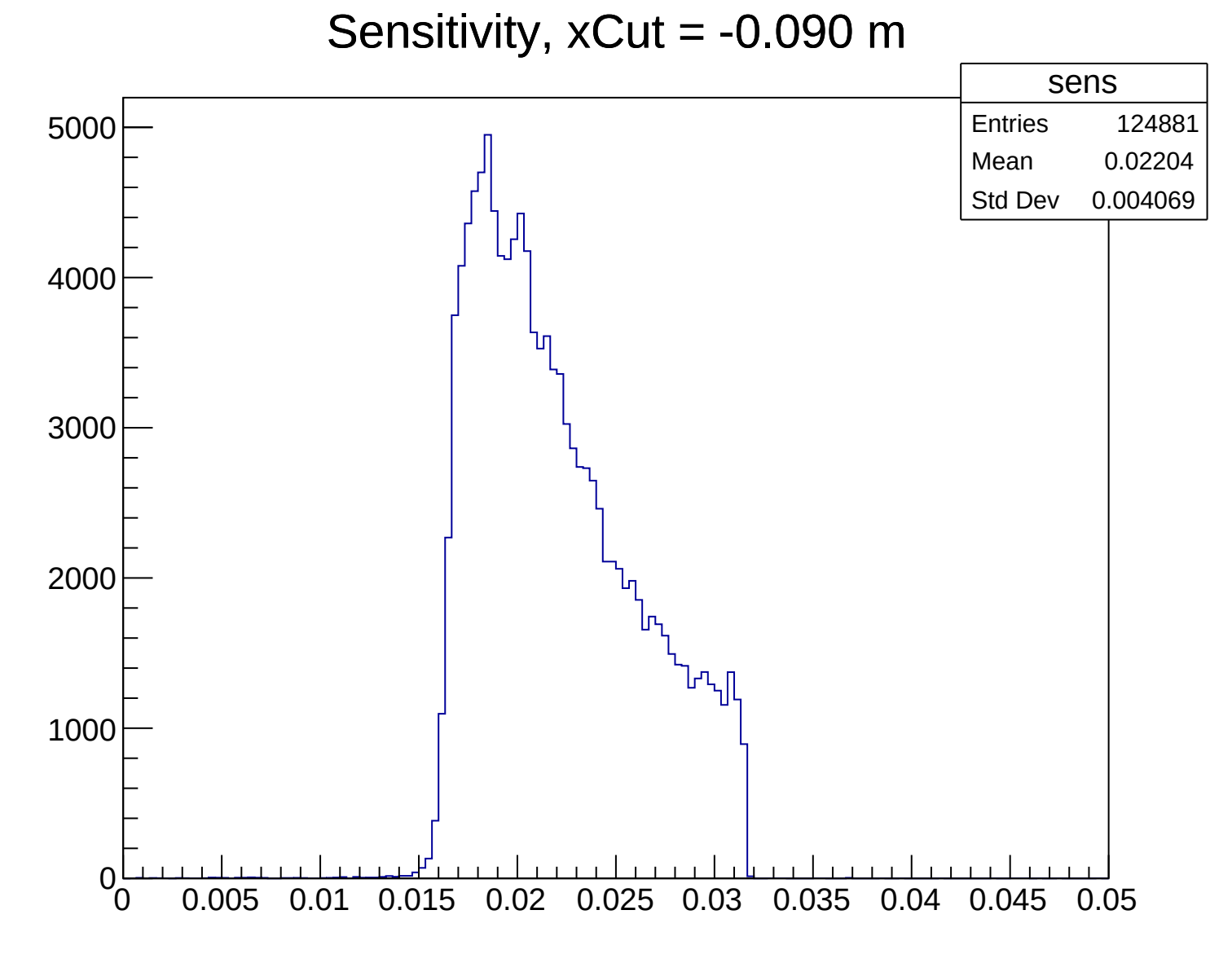

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

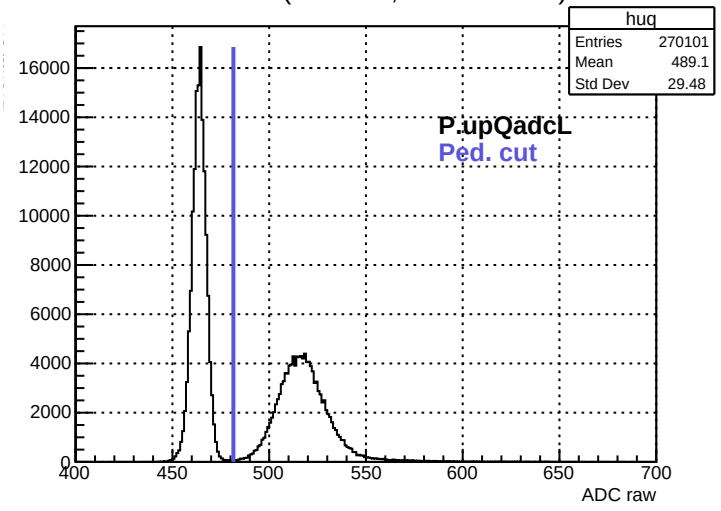

θlab (deg), xCut = -0.090 m
Theta
Entries 124881
Mean 4.766
Std Dev 0.4734
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

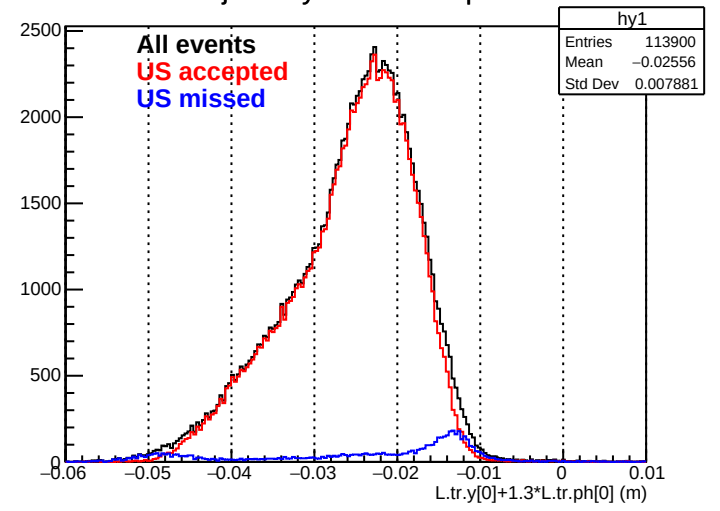

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 124881
Mean 0.5675
Std Dev 0.07942
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

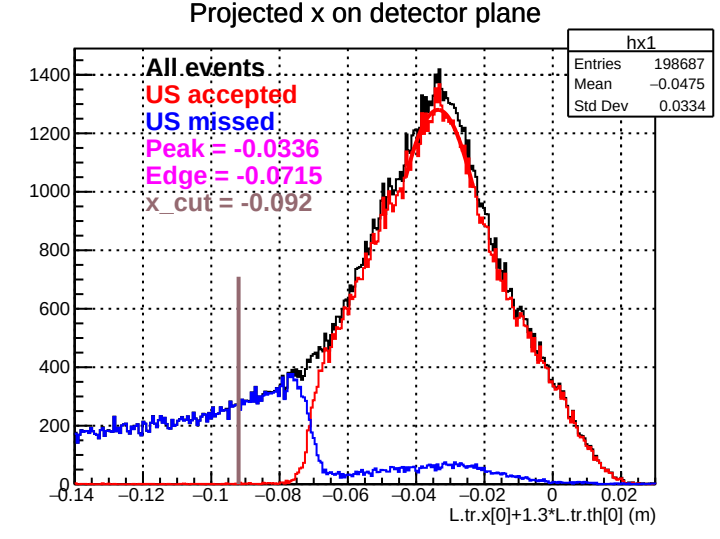

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 124881
Mean 0.5547
Std Dev 0.07549
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

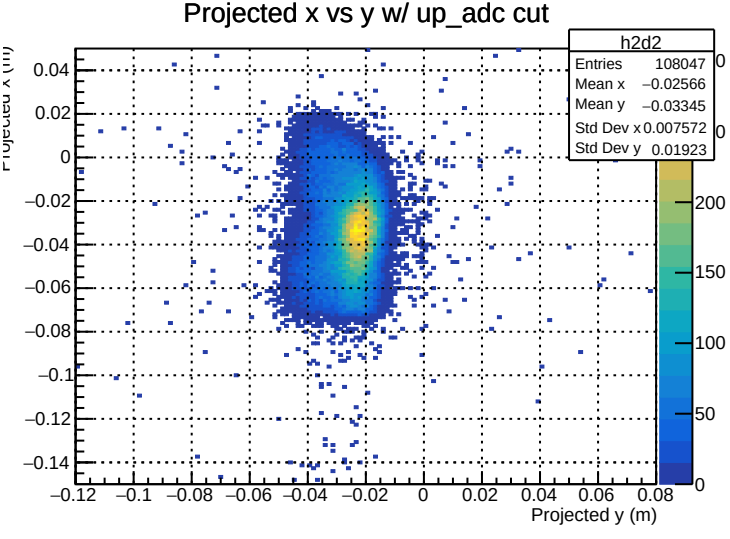

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 124881
Mean 0.006275
Std Dev 0.001279
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

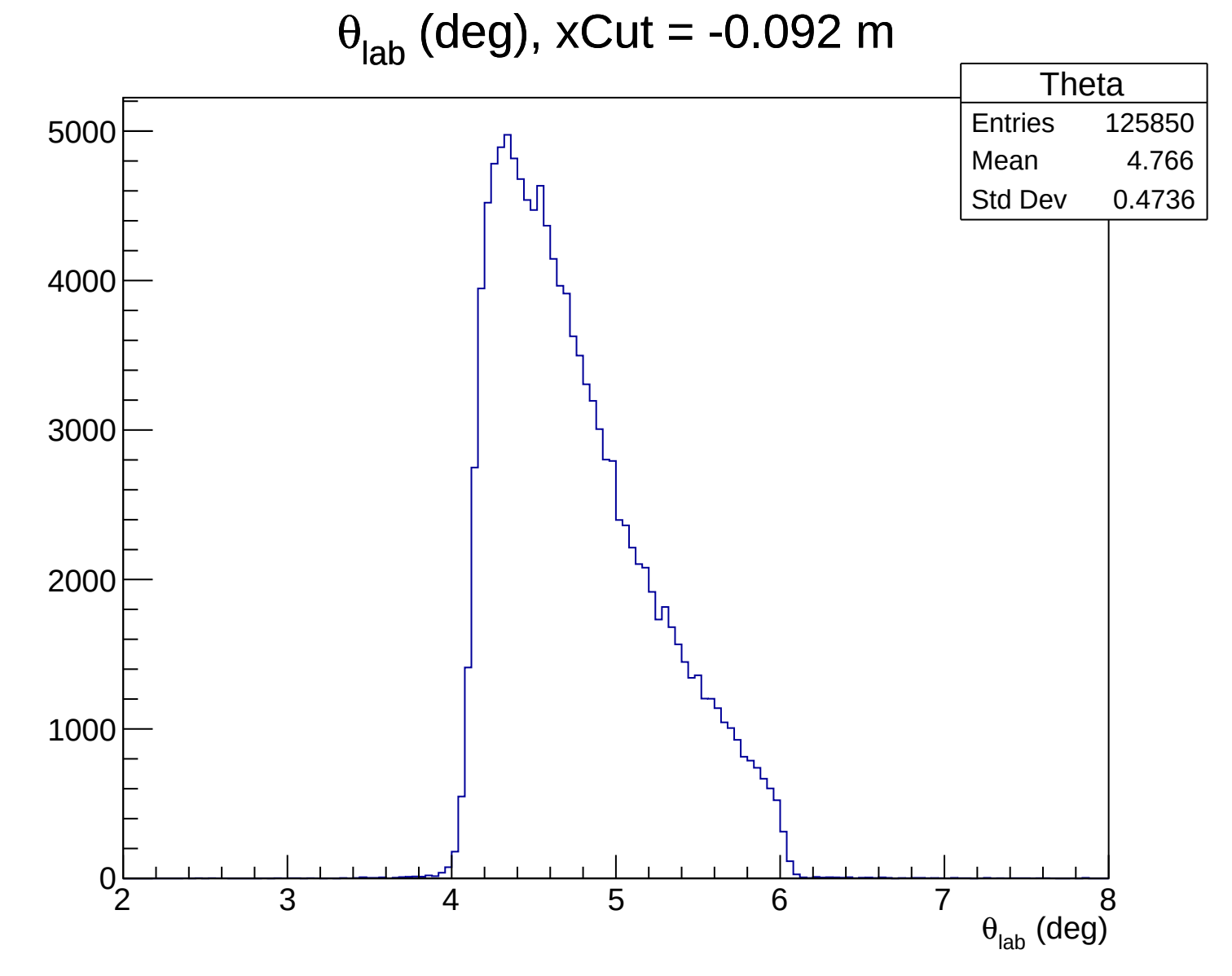

Sensitivity, xCut = -0.090 m
sens
Entries 124881
Mean 0.02204
Std Dev 0.004069
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

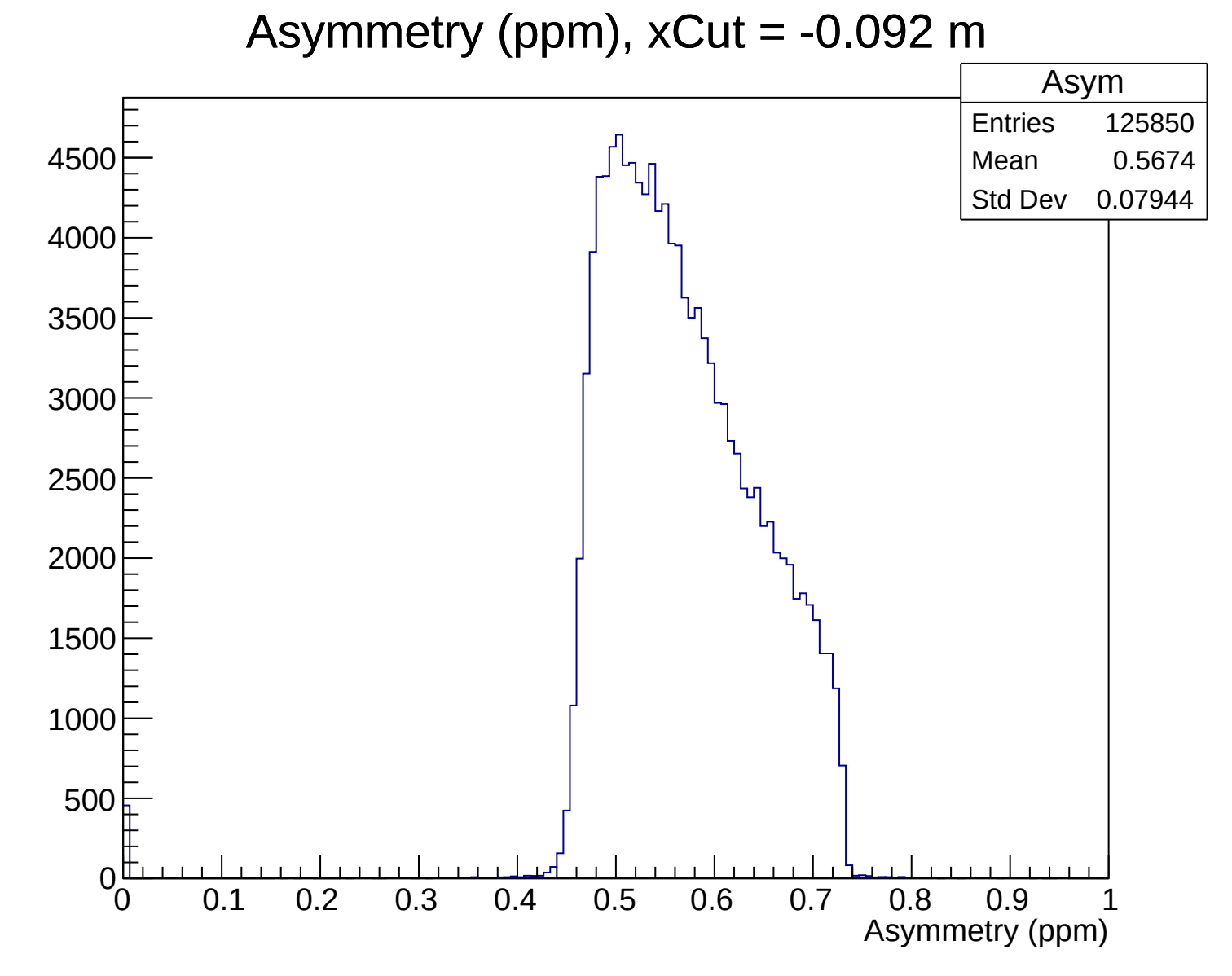

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

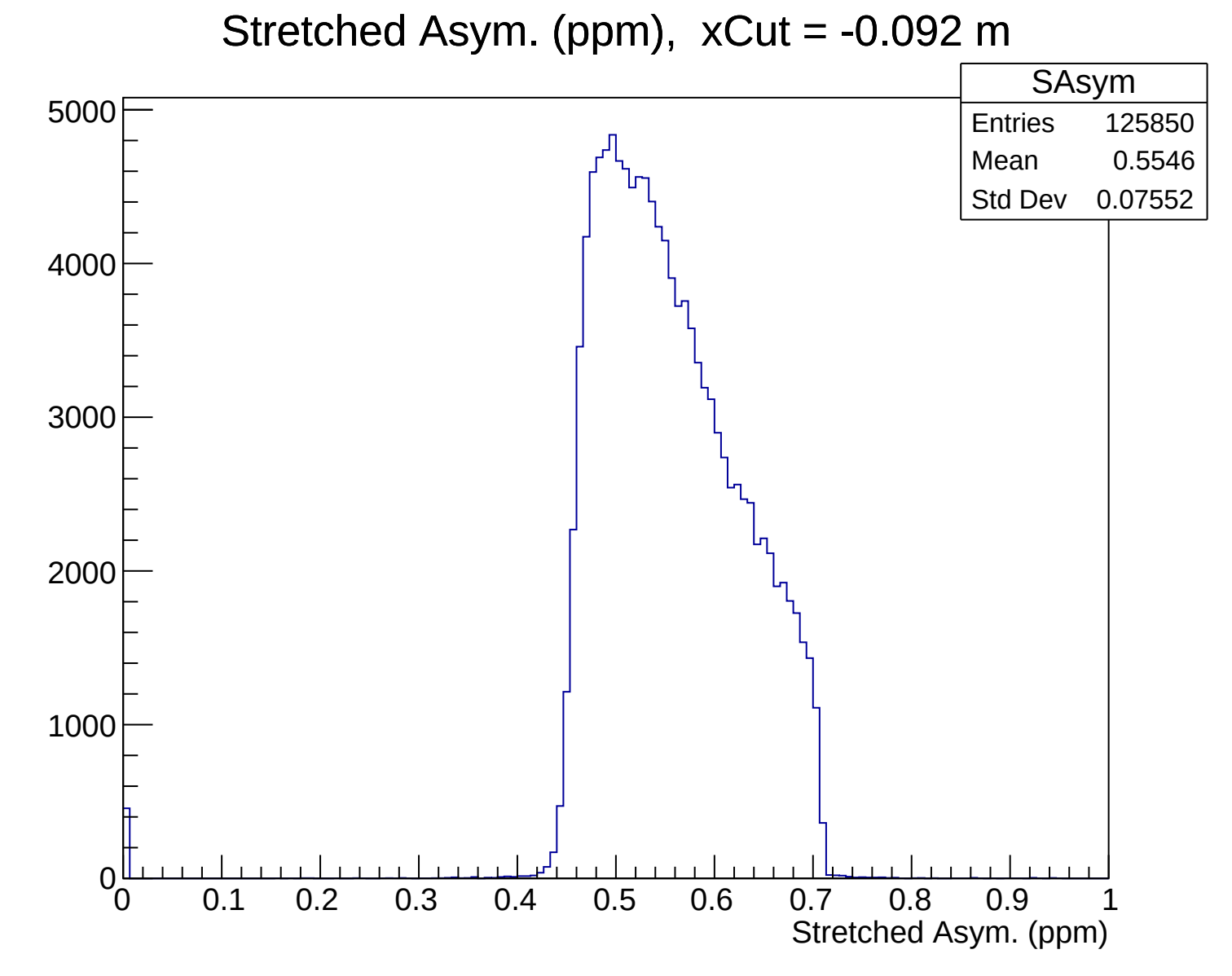

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

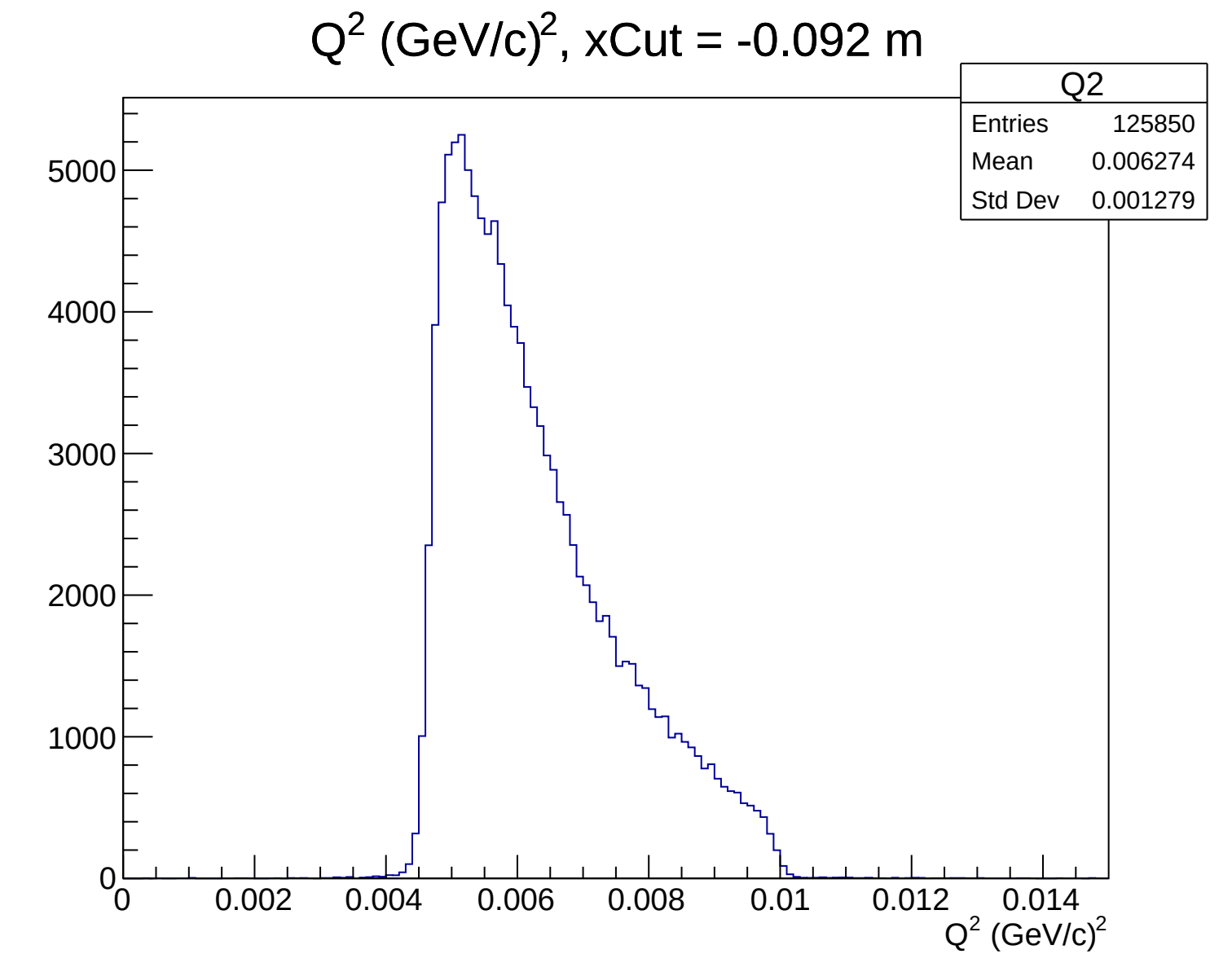

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.092
L.tr.x[0]+1.3*L.tr.th[0] (m)

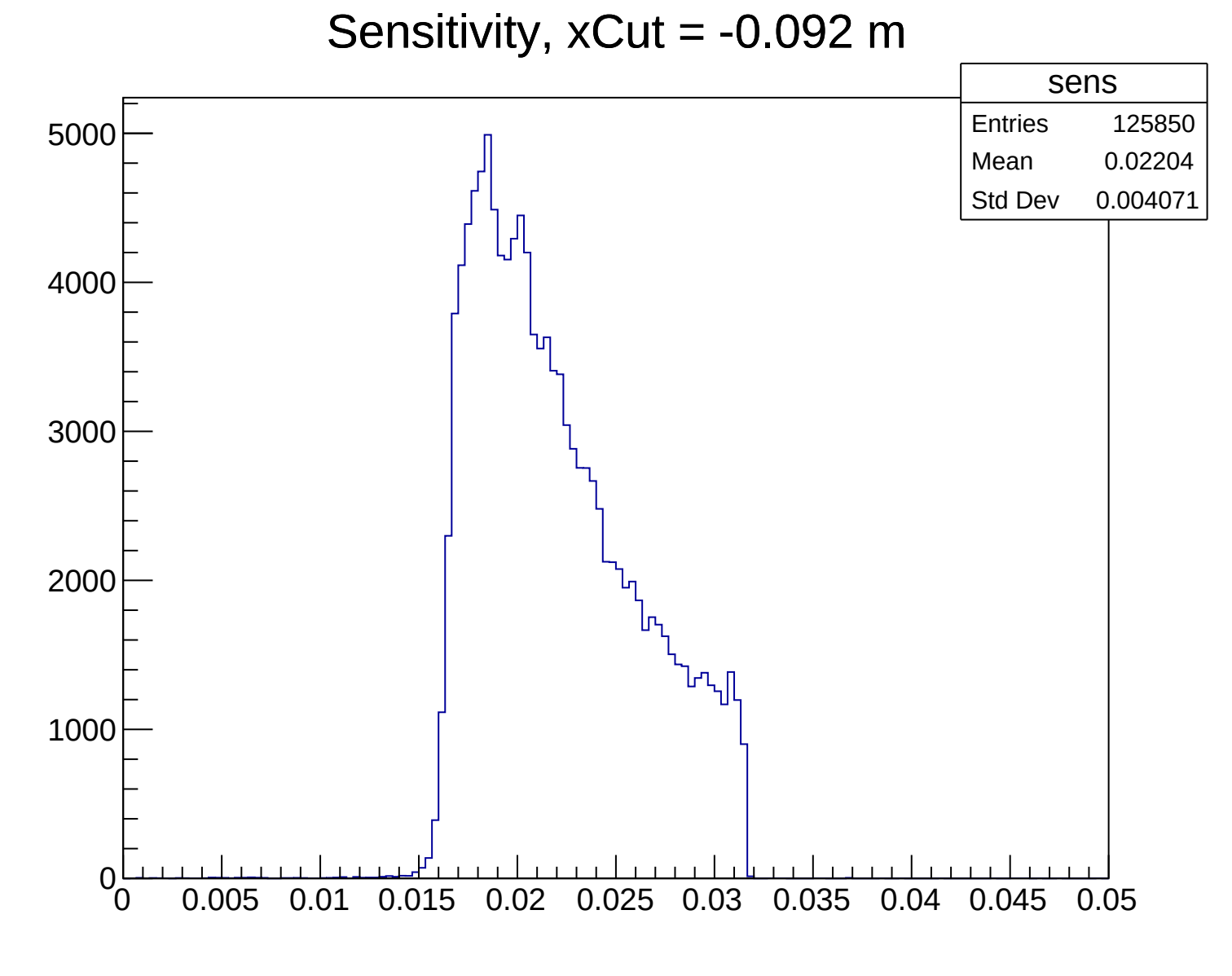

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

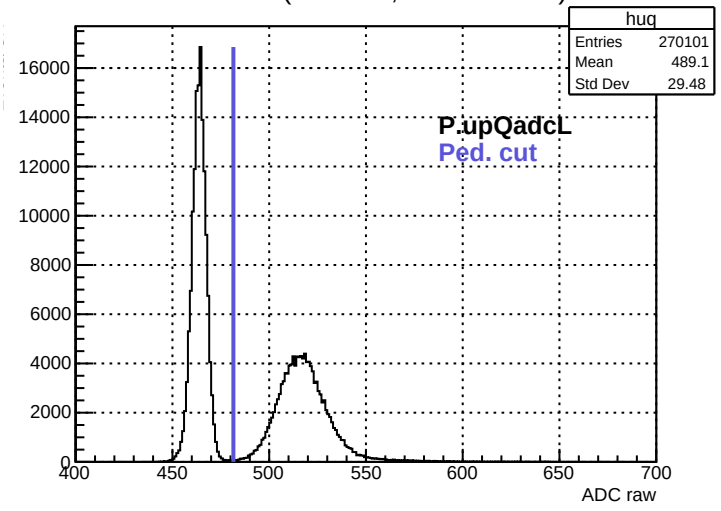

θlab (deg), xCut = -0.092 m
Theta
Entries 125850
Mean 4.766
Std Dev 0.4736
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

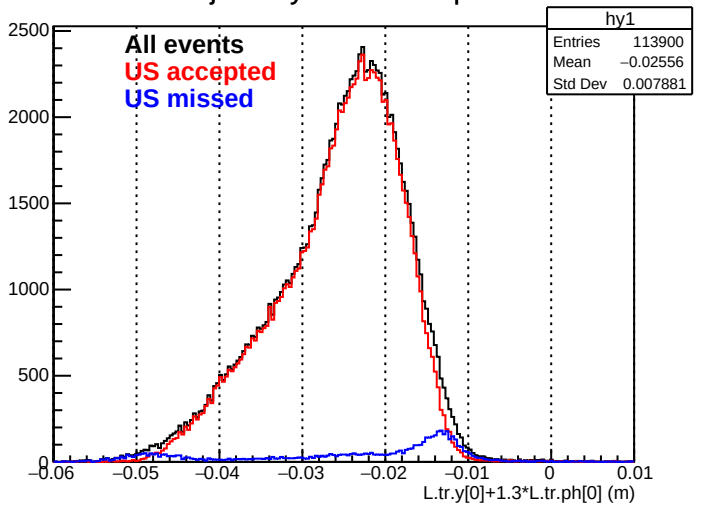

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 125850
Mean 0.5674
Std Dev 0.07944
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

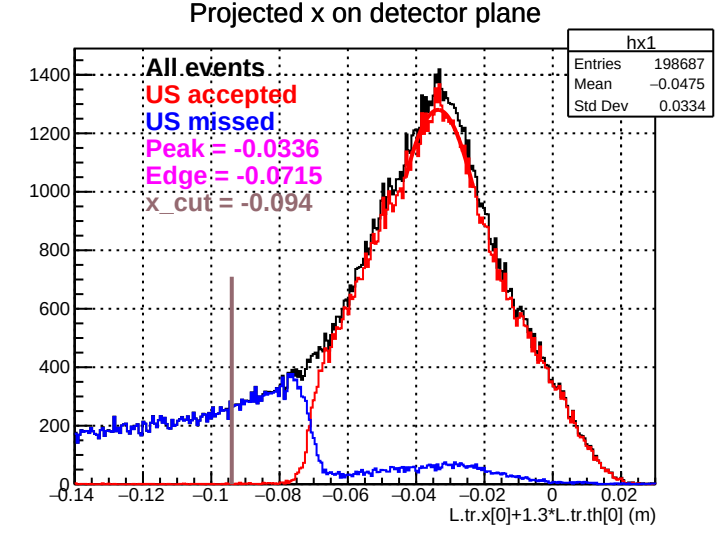

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 125850
Mean 0.5546
Std Dev 0.07552
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

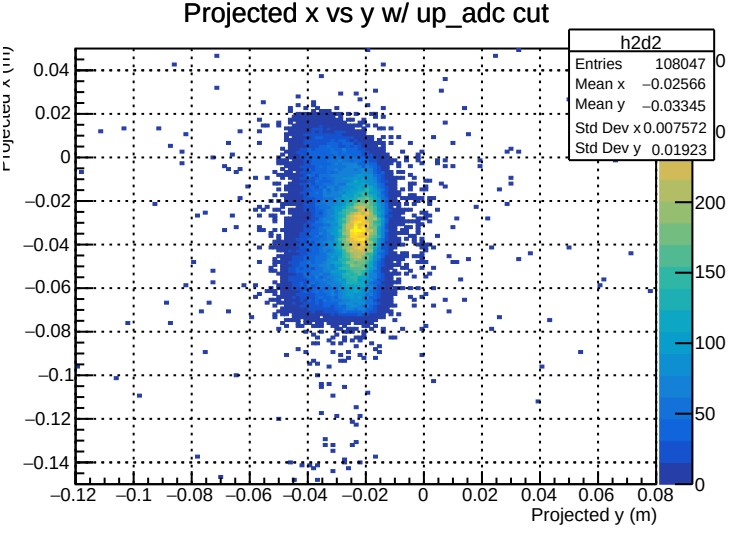

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 125850
Mean 0.006274
Std Dev 0.001279
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

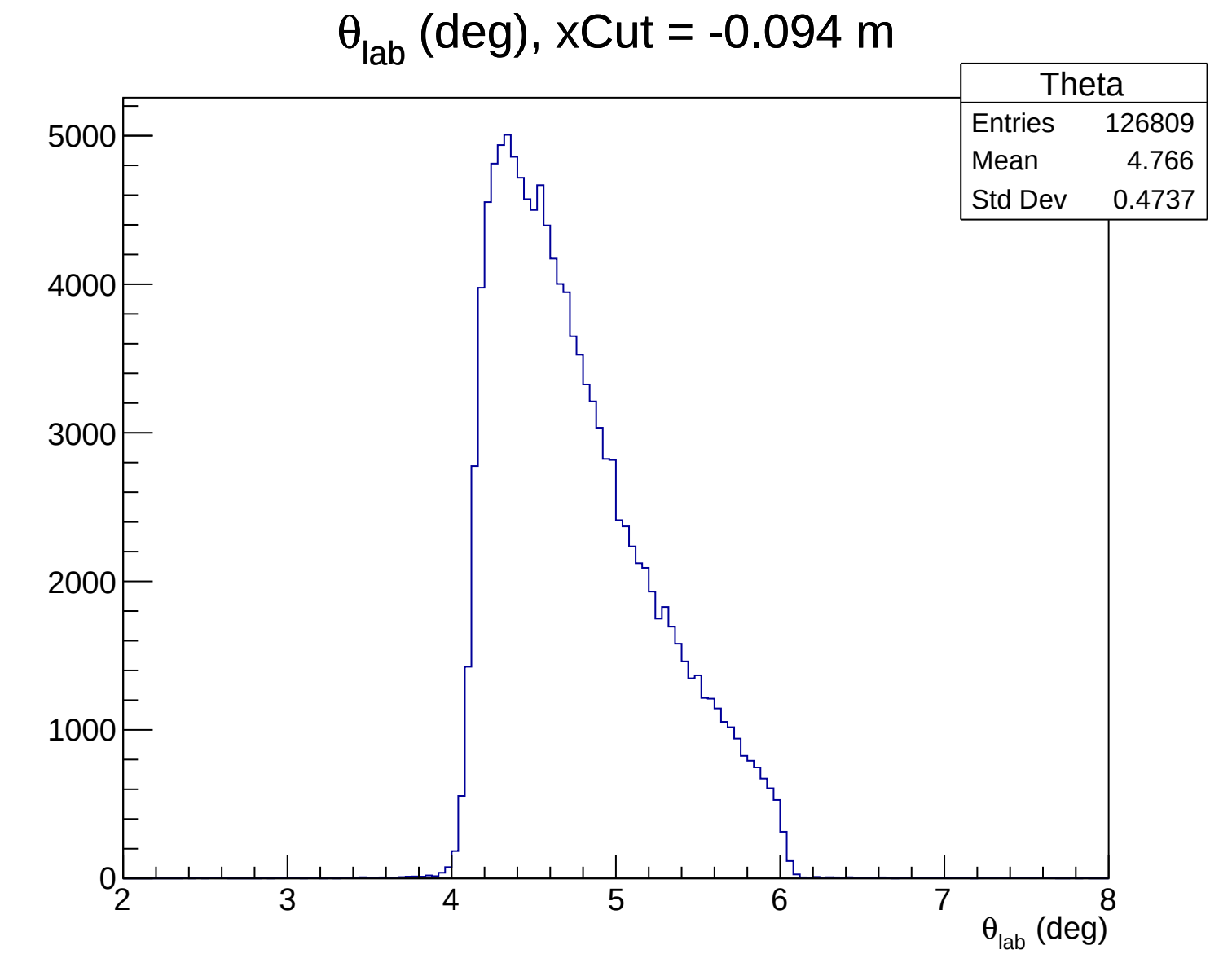

Sensitivity, xCut = -0.092 m
sens
Entries 125850
Mean 0.02204
Std Dev 0.004071
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

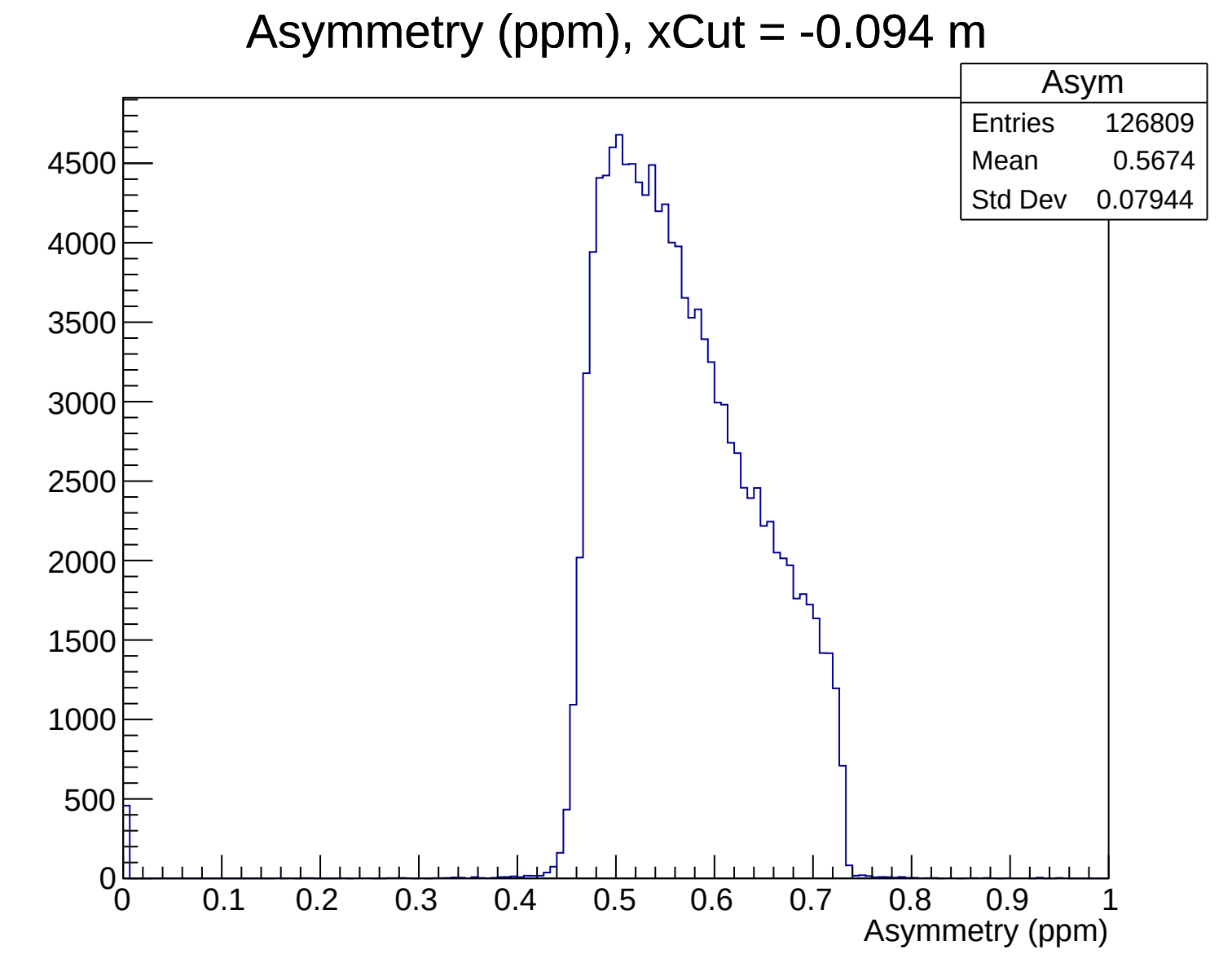

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

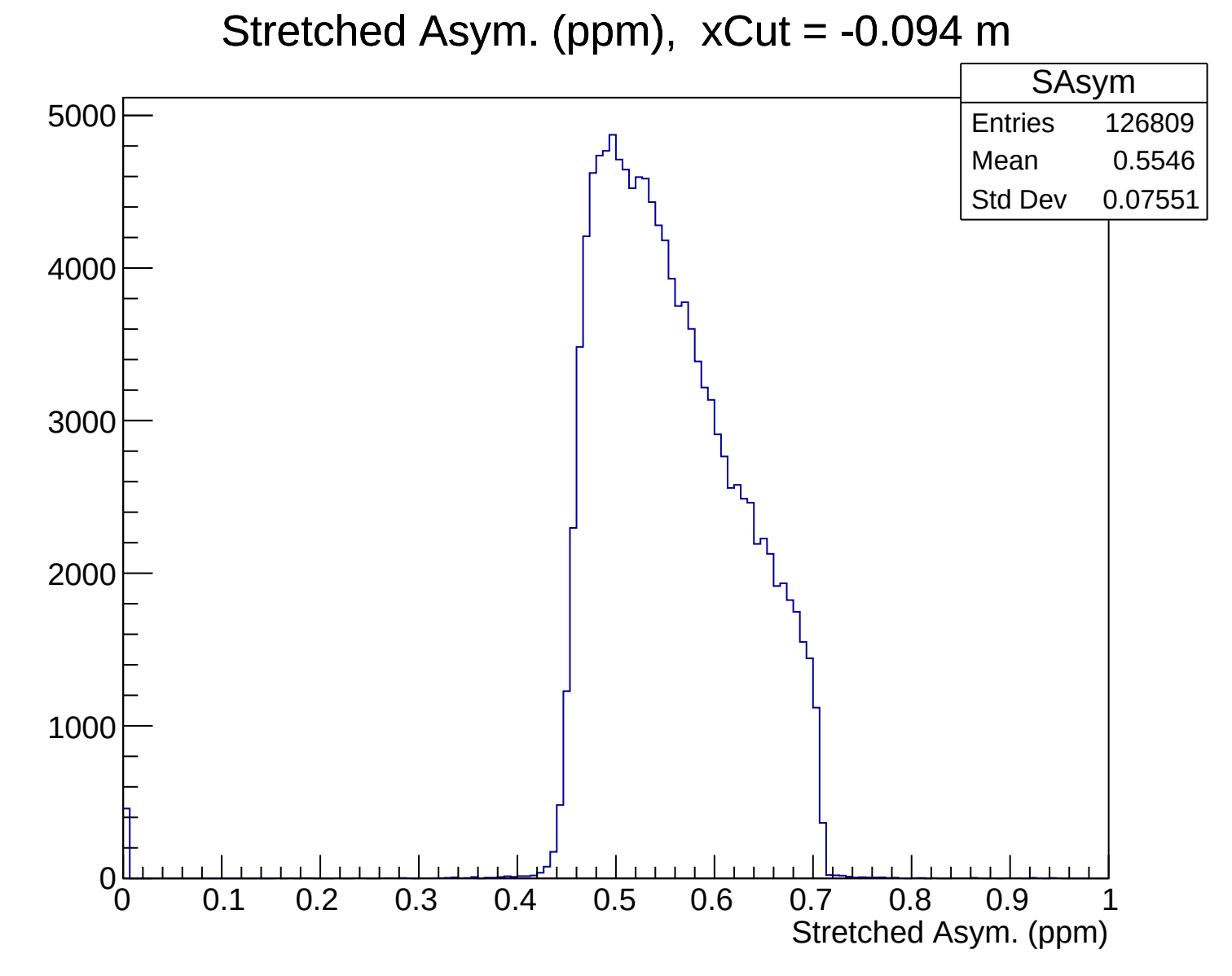

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

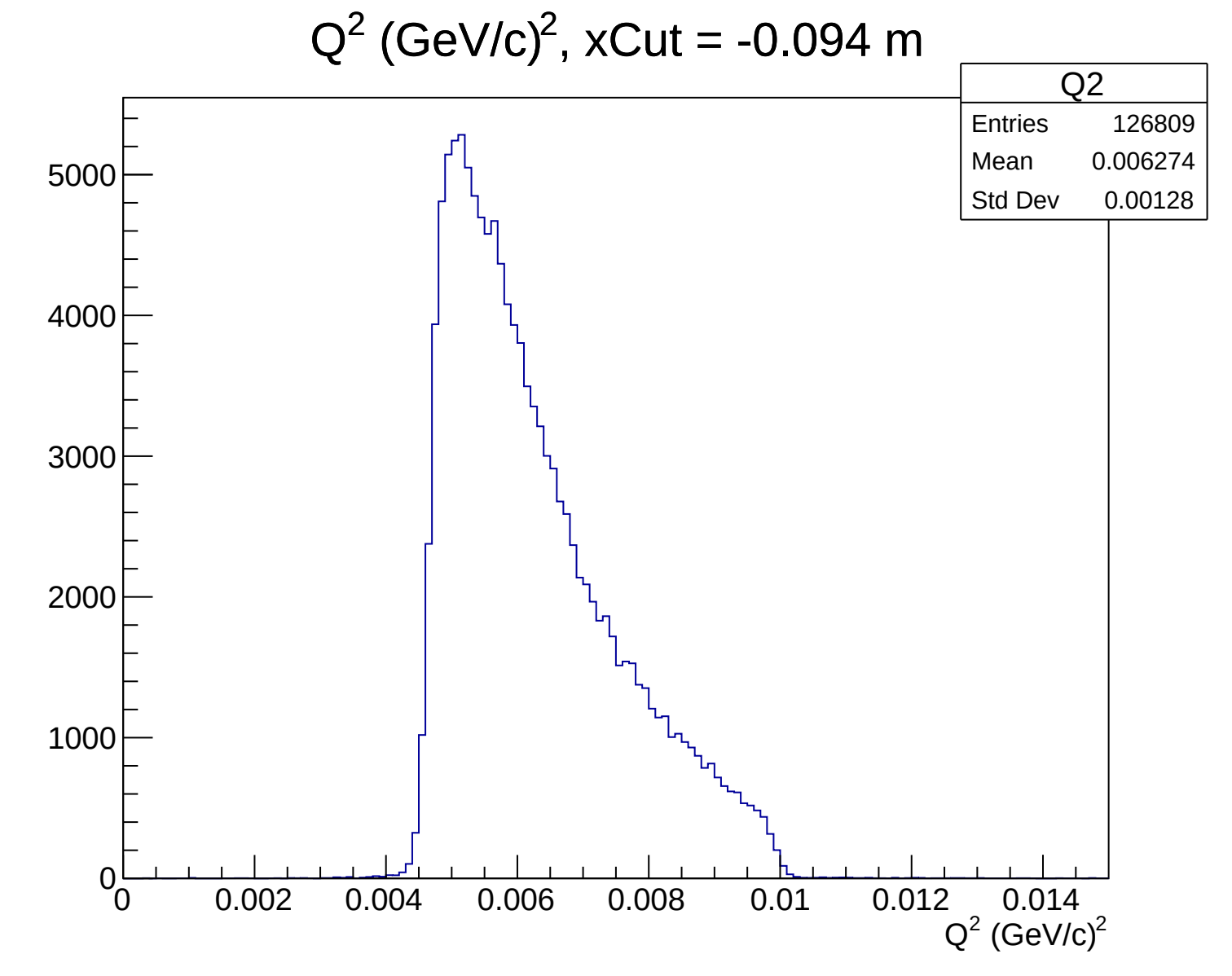

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

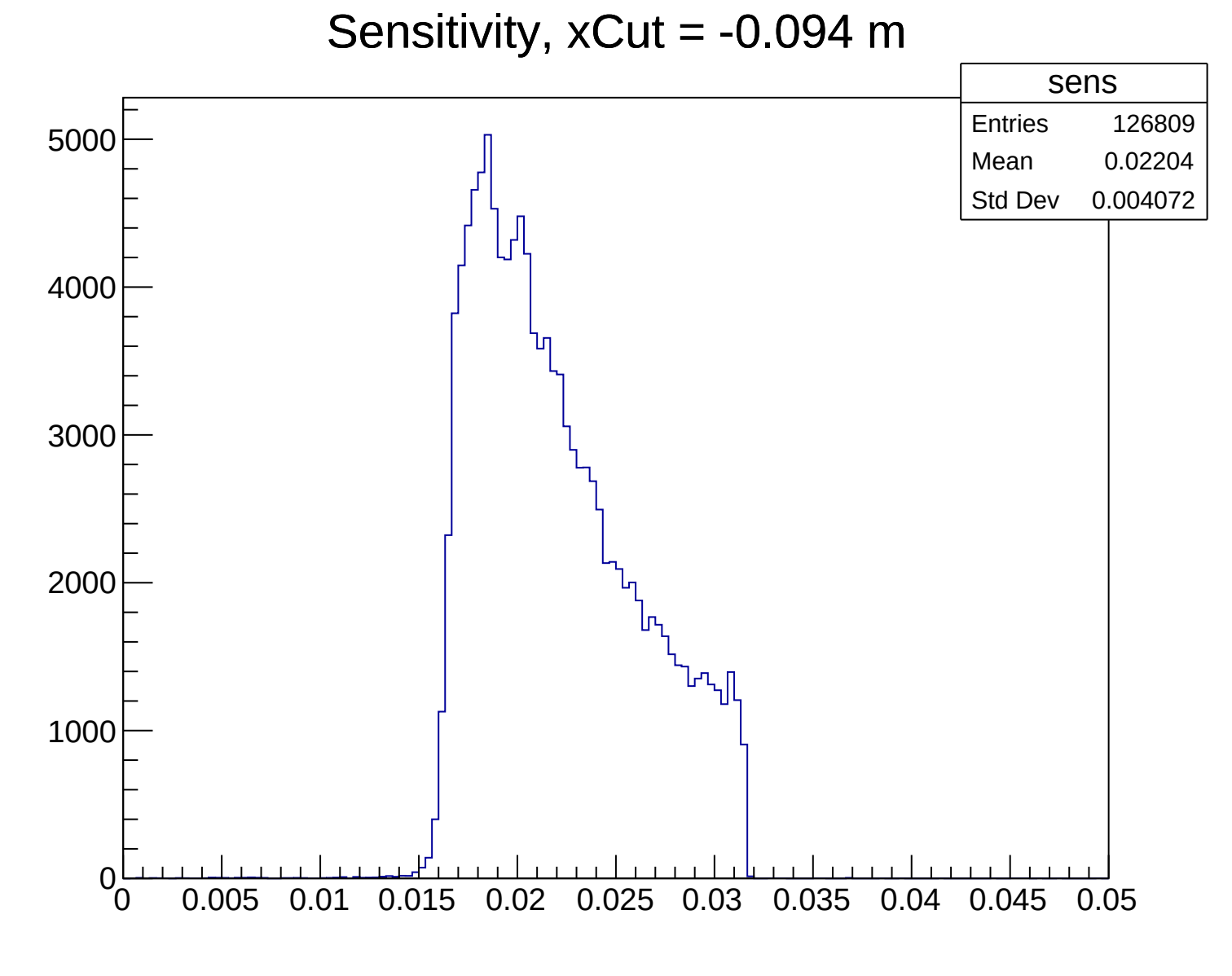

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

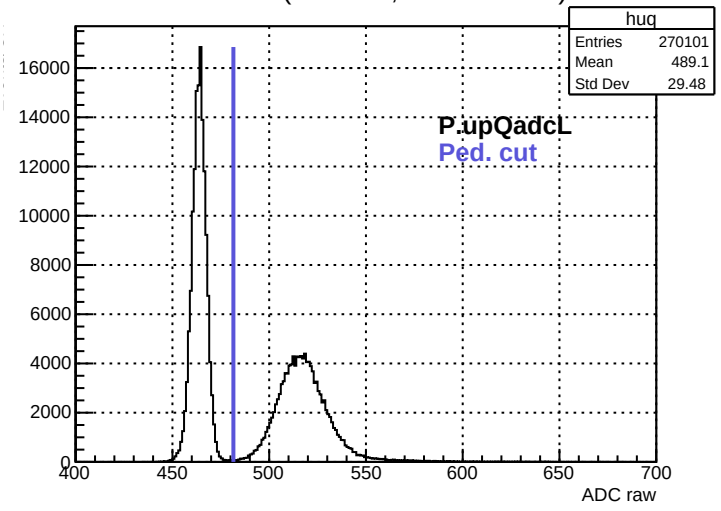

θlab (deg), xCut = -0.094 m
Theta
Entries 126809
Mean 4.766
Std Dev 0.4737
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

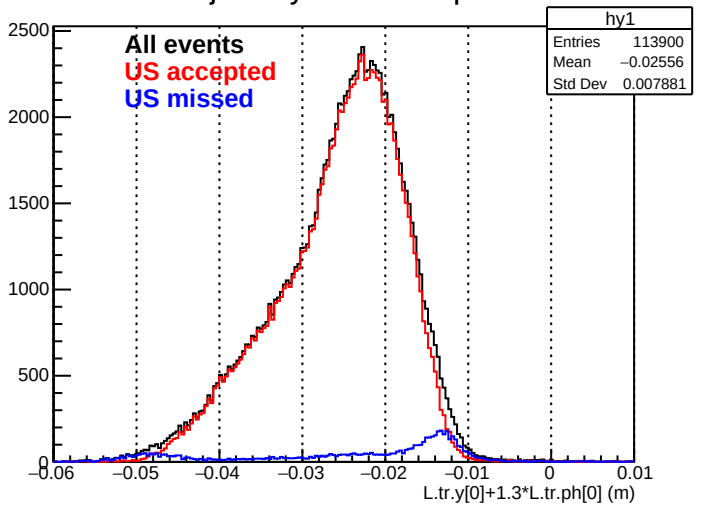

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 126809
Mean 0.5674
Std Dev 0.07944
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

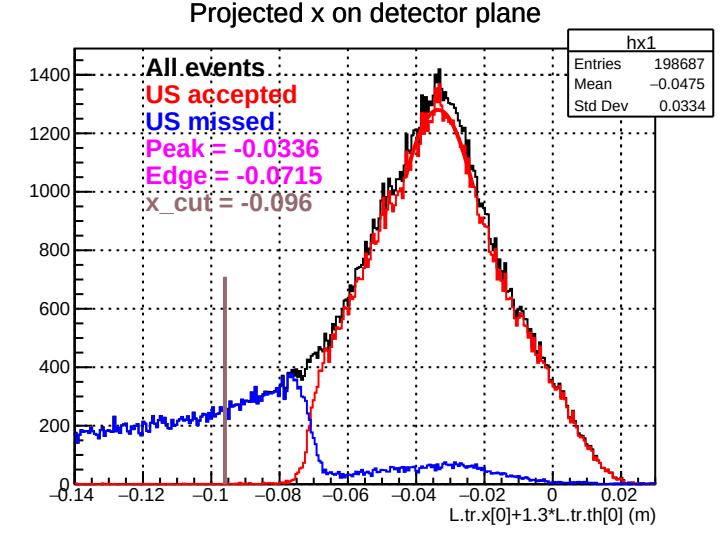

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 126809
Mean 0.5546
Std Dev 0.07551
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

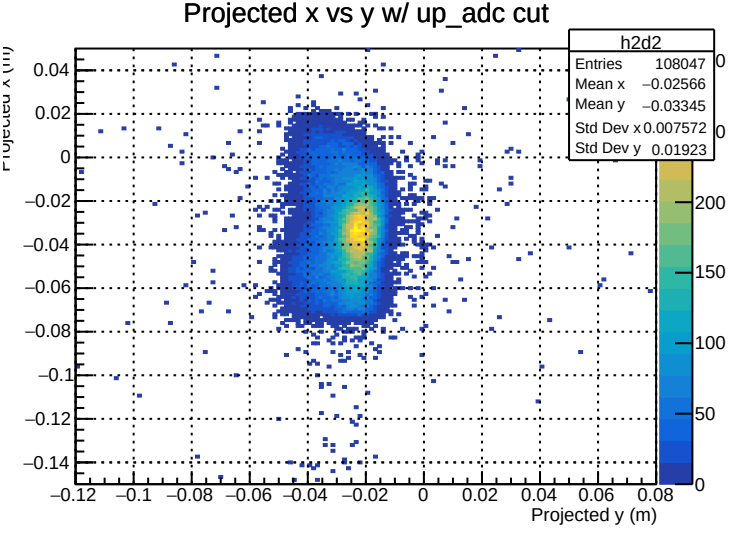

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 126809
Mean 0.006274
Std Dev 0.00128
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

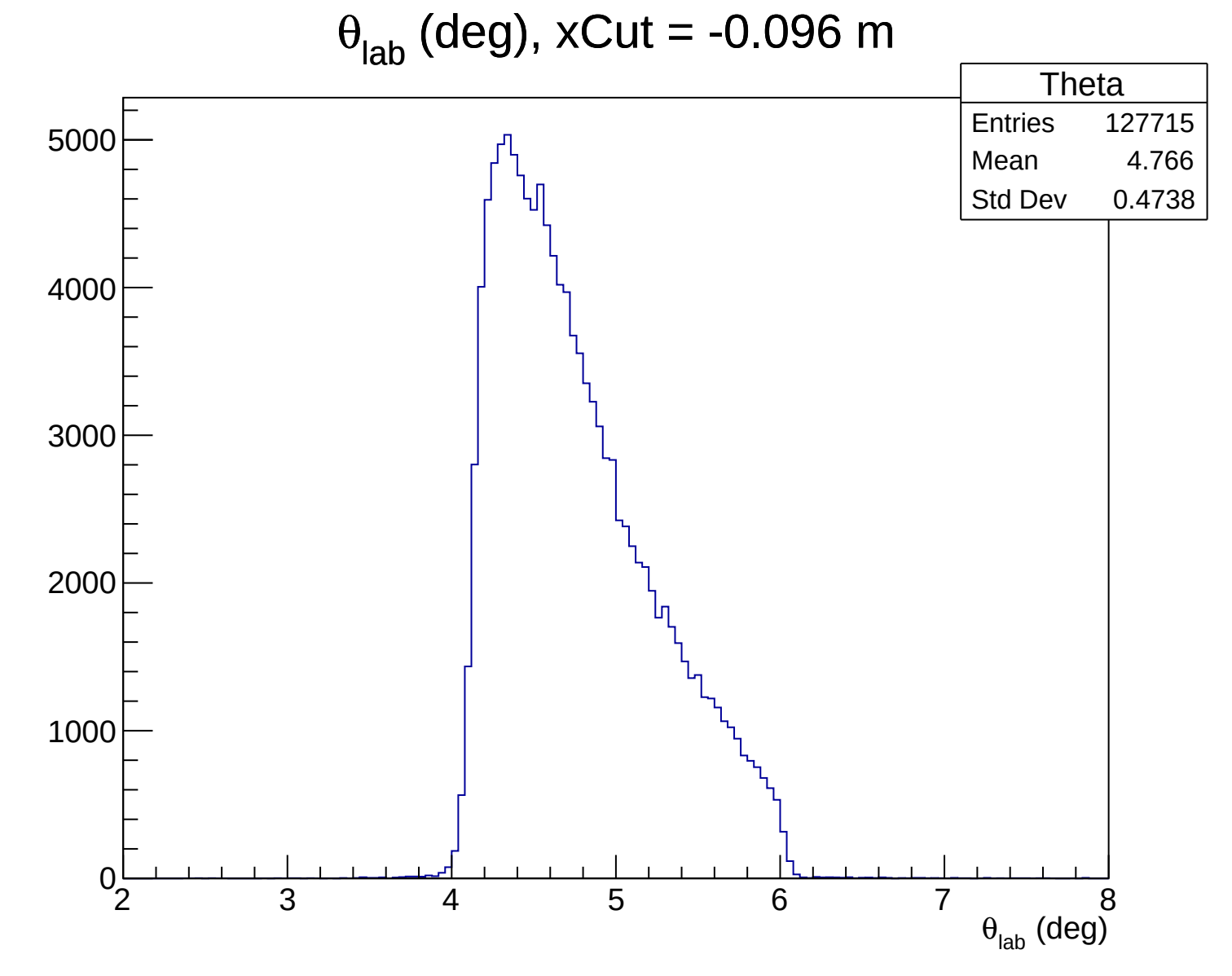

Sensitivity, xCut = -0.094 m
sens
Entries 126809
Mean 0.02204
Std Dev 0.004072
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

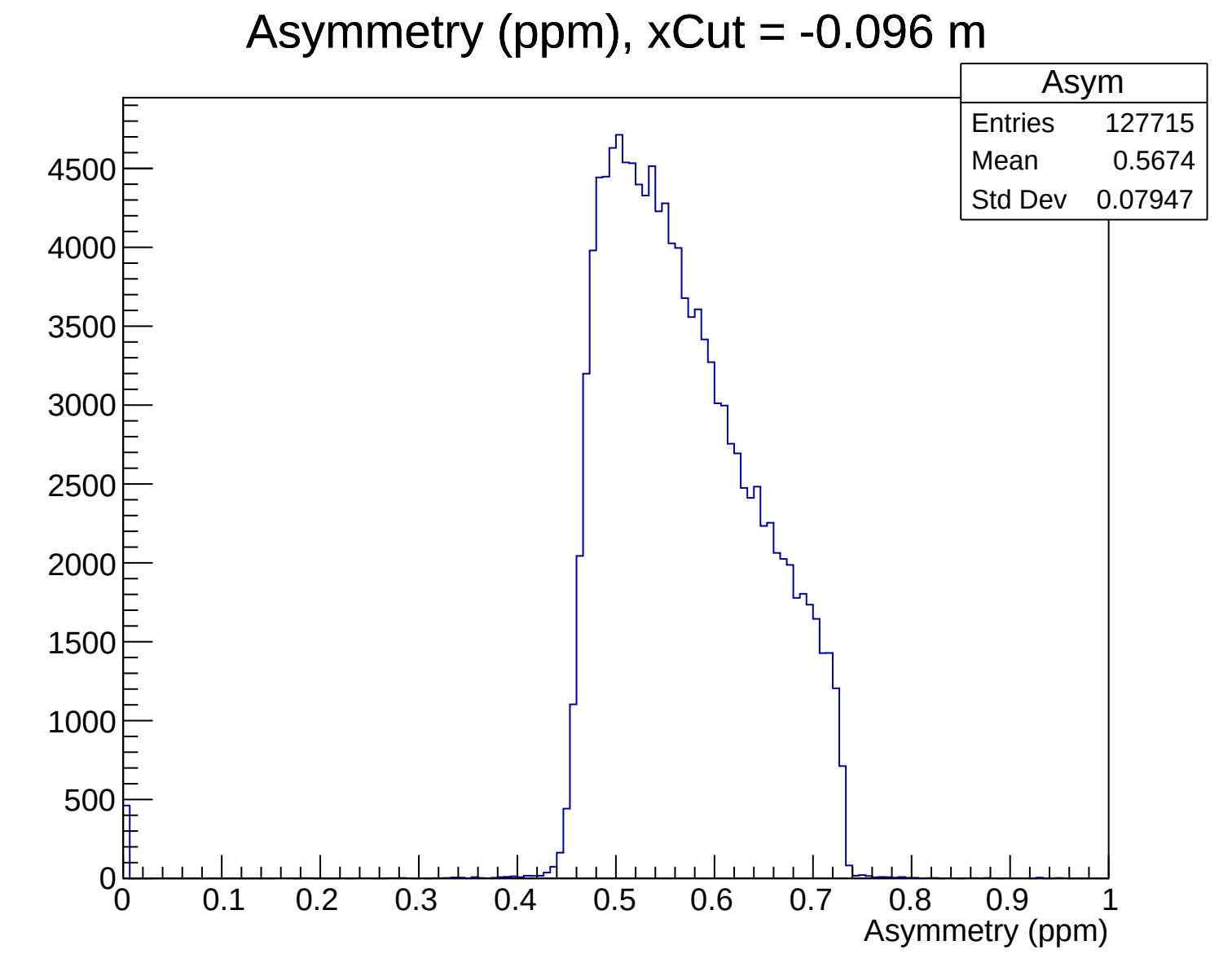

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

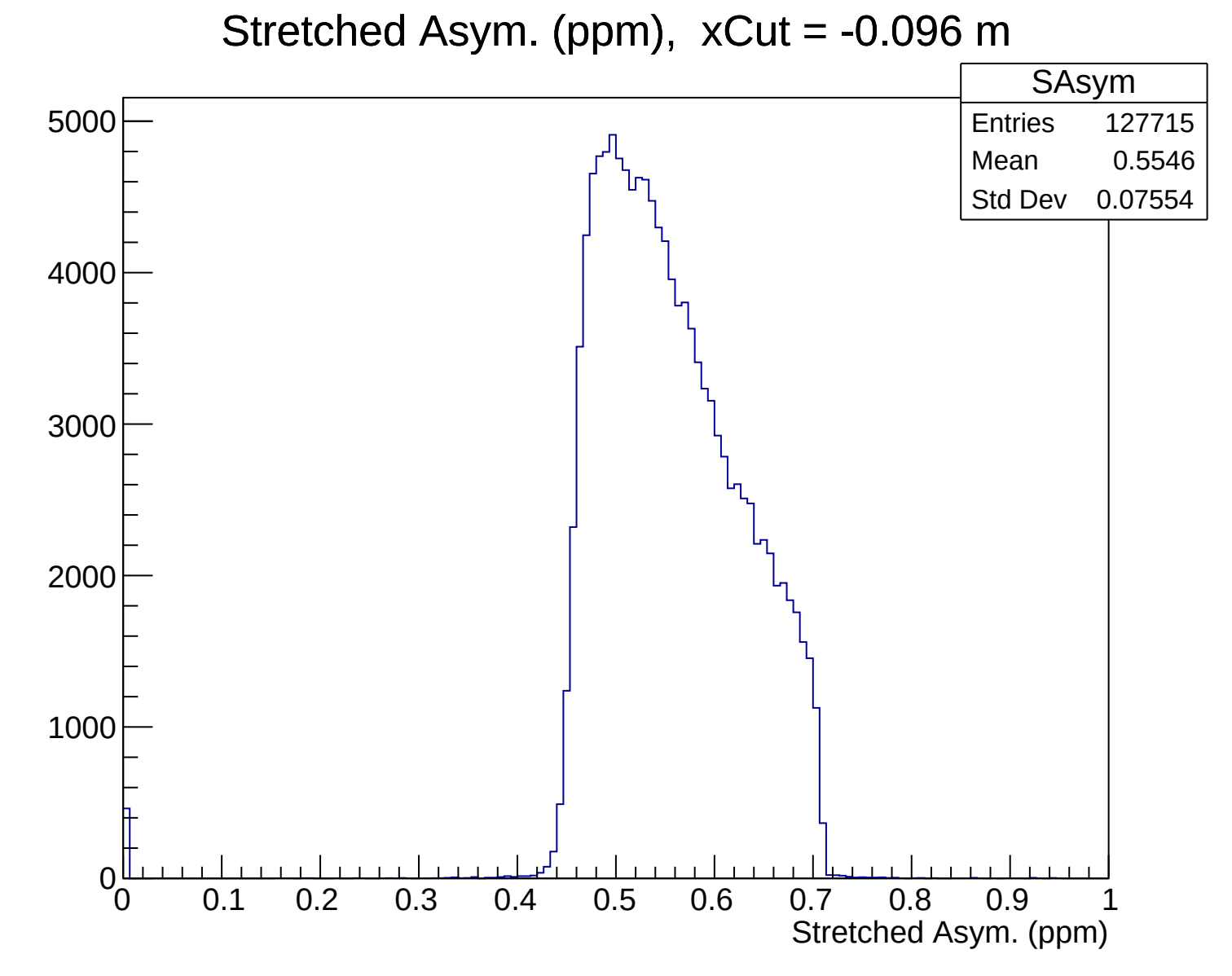

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

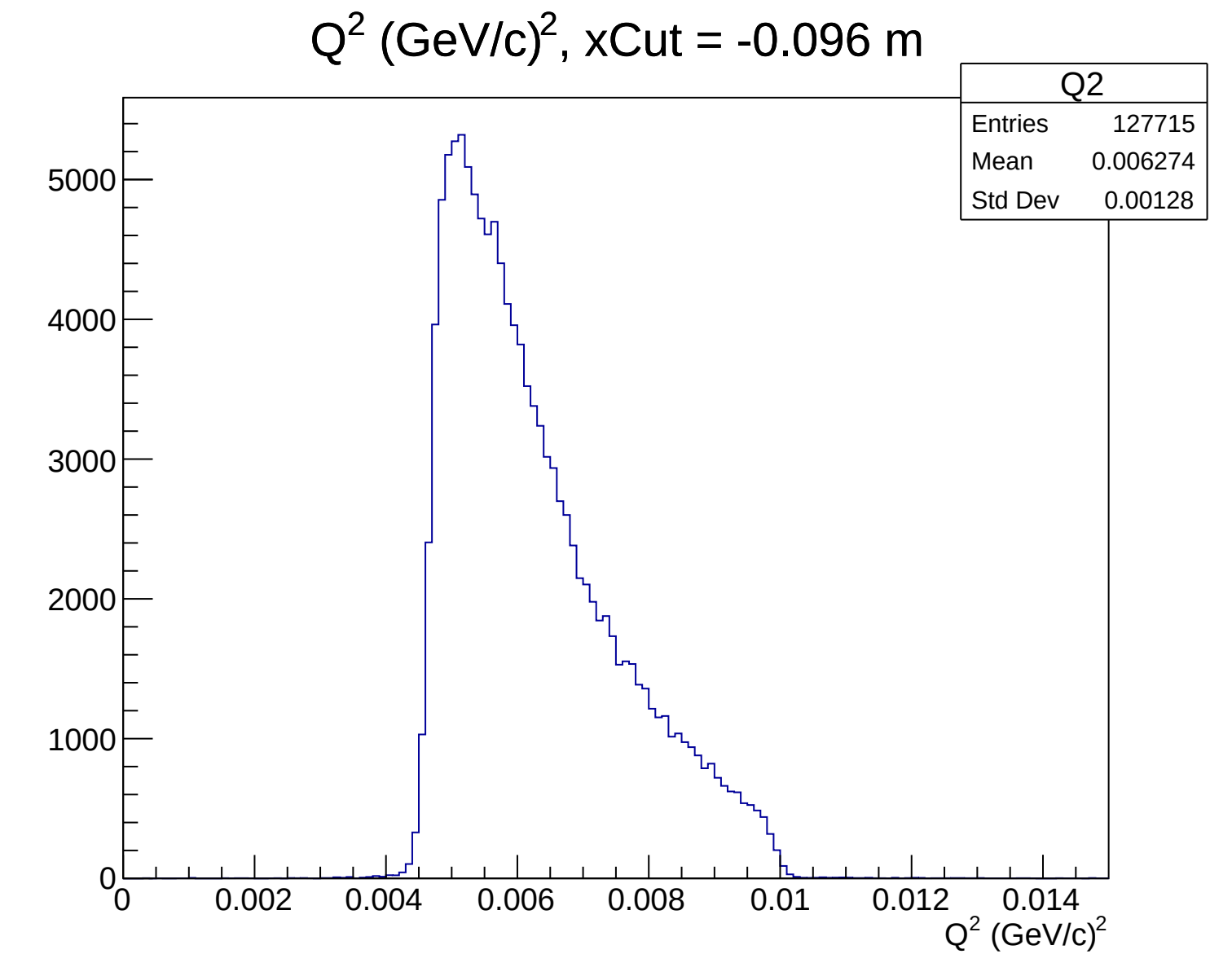

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.096
L.tr.x[0]+1.3*L.tr.th[0] (m)

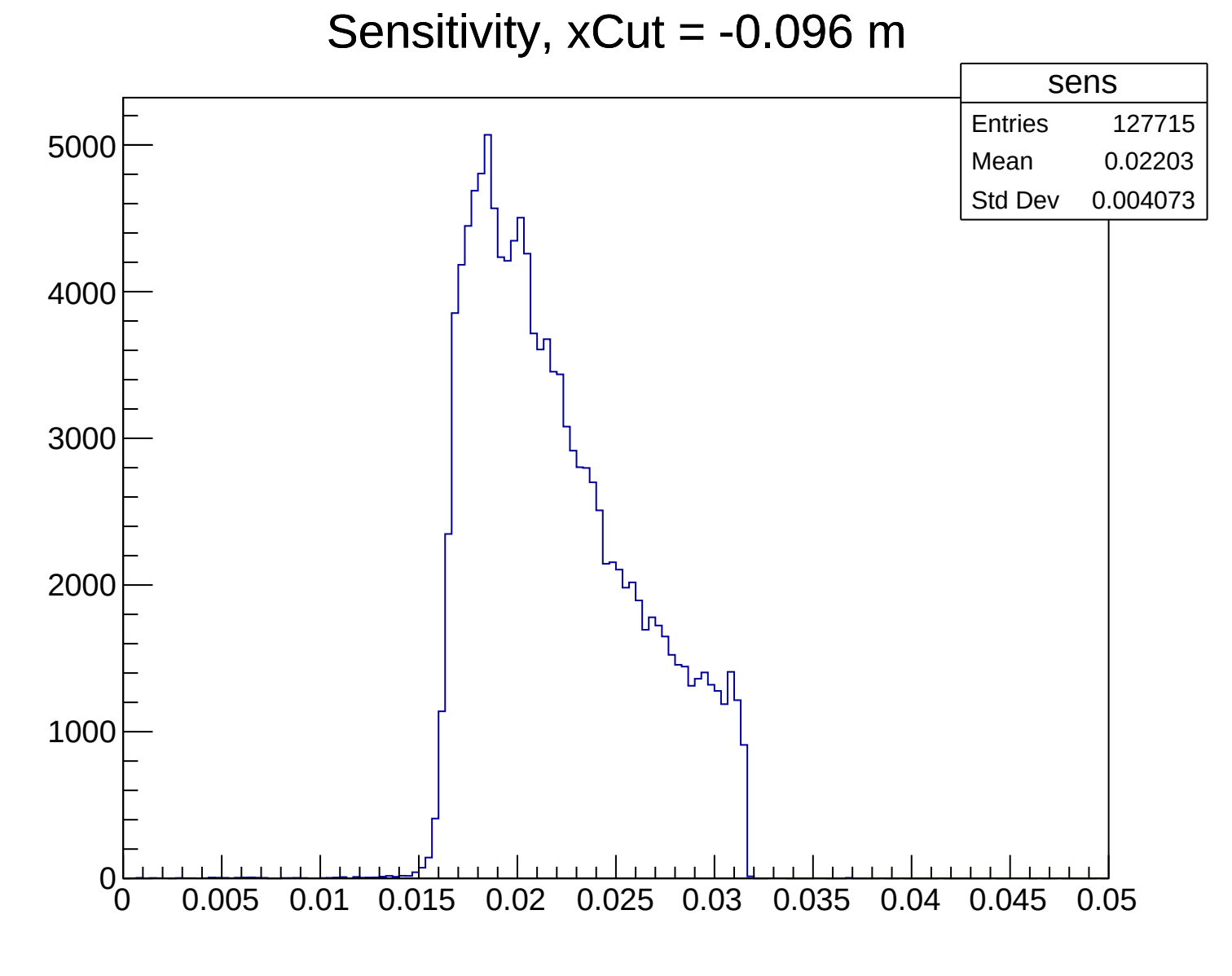

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

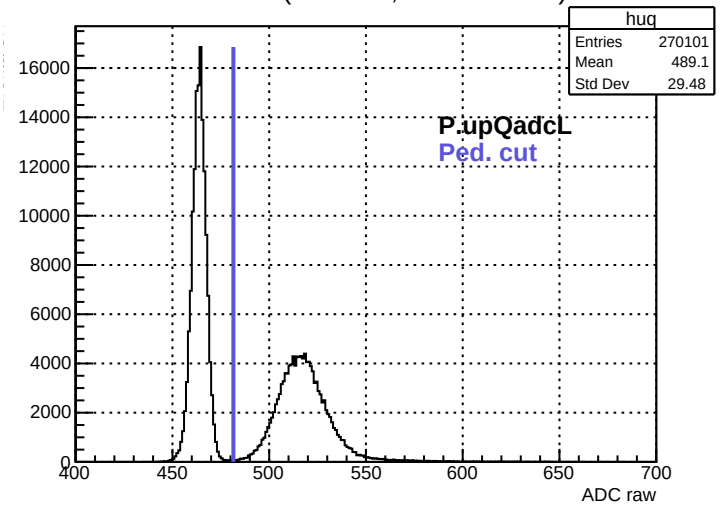

θlab (deg), xCut = -0.096 m
Theta
Entries 127715
Mean 4.766
Std Dev 0.4738
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

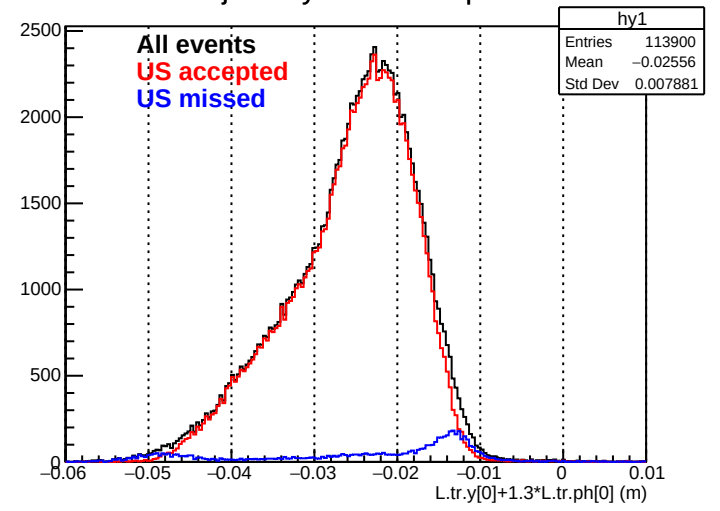

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 127715
Mean 0.5674
Std Dev 0.07947
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

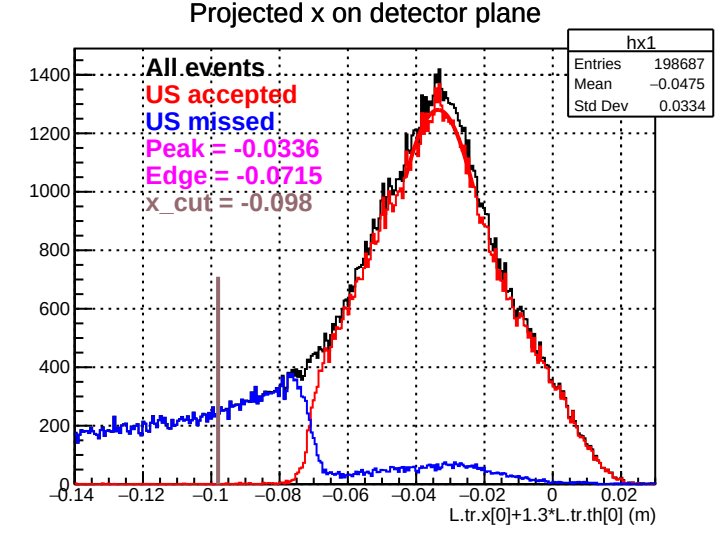

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 127715
Mean 0.5546
Std Dev 0.07554
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

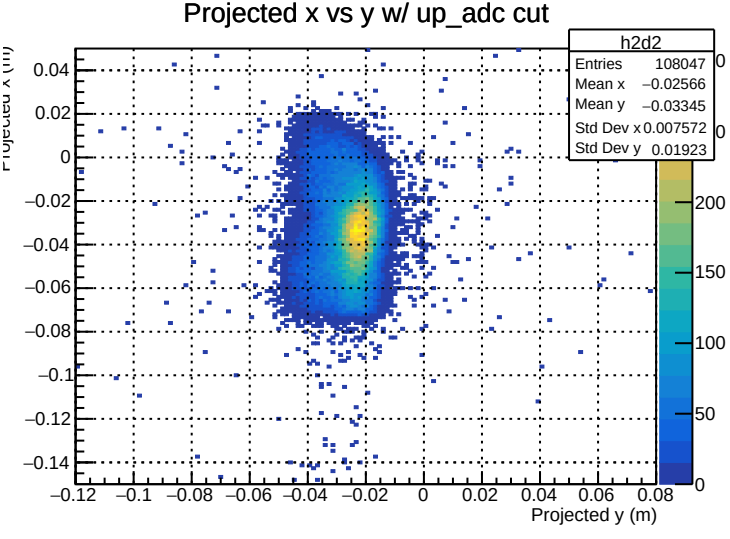

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 127715
Mean 0.006274
Std Dev 0.00128
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

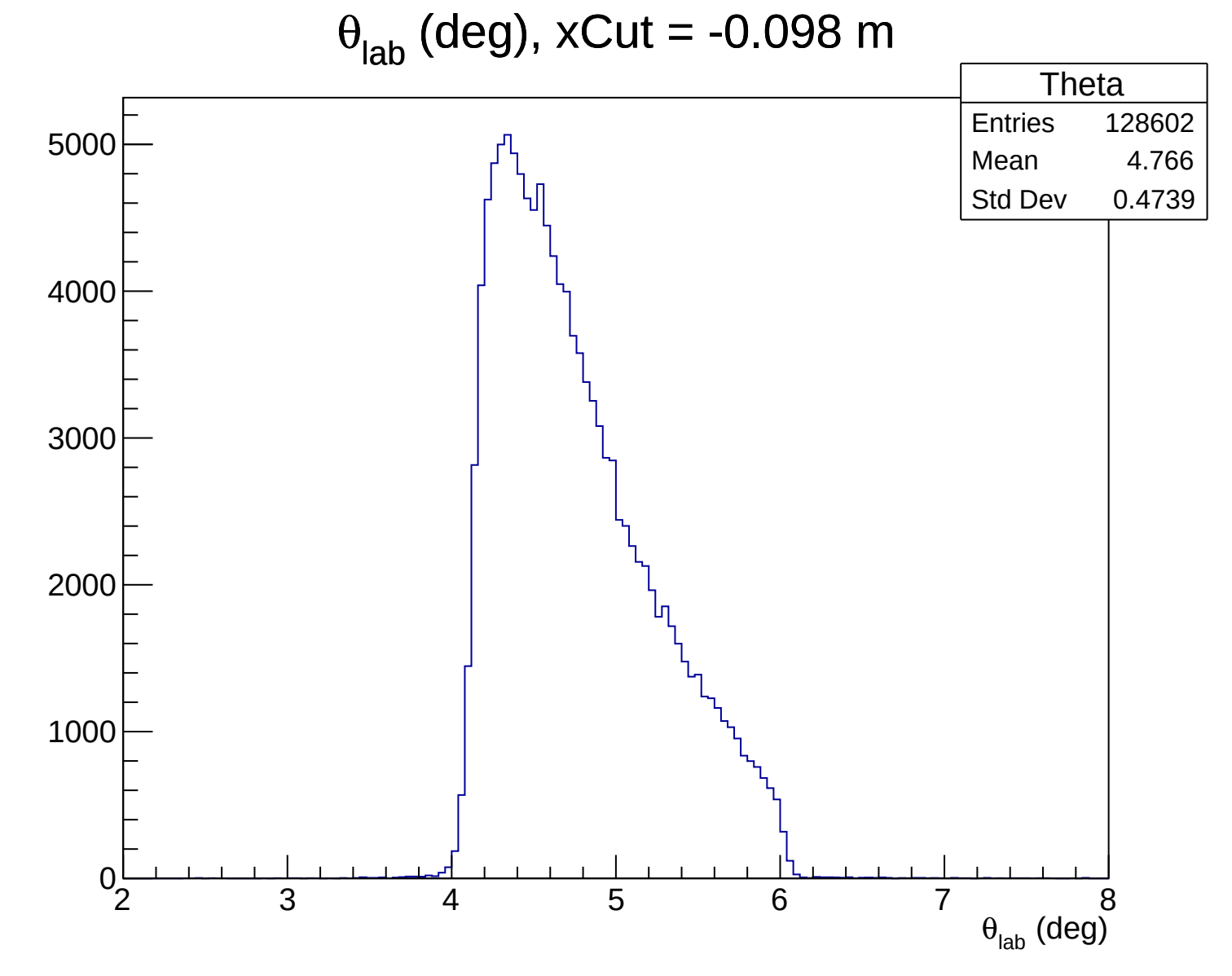

Sensitivity, xCut = -0.096 m
sens
Entries 127715
Mean 0.02203
Std Dev 0.004073
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

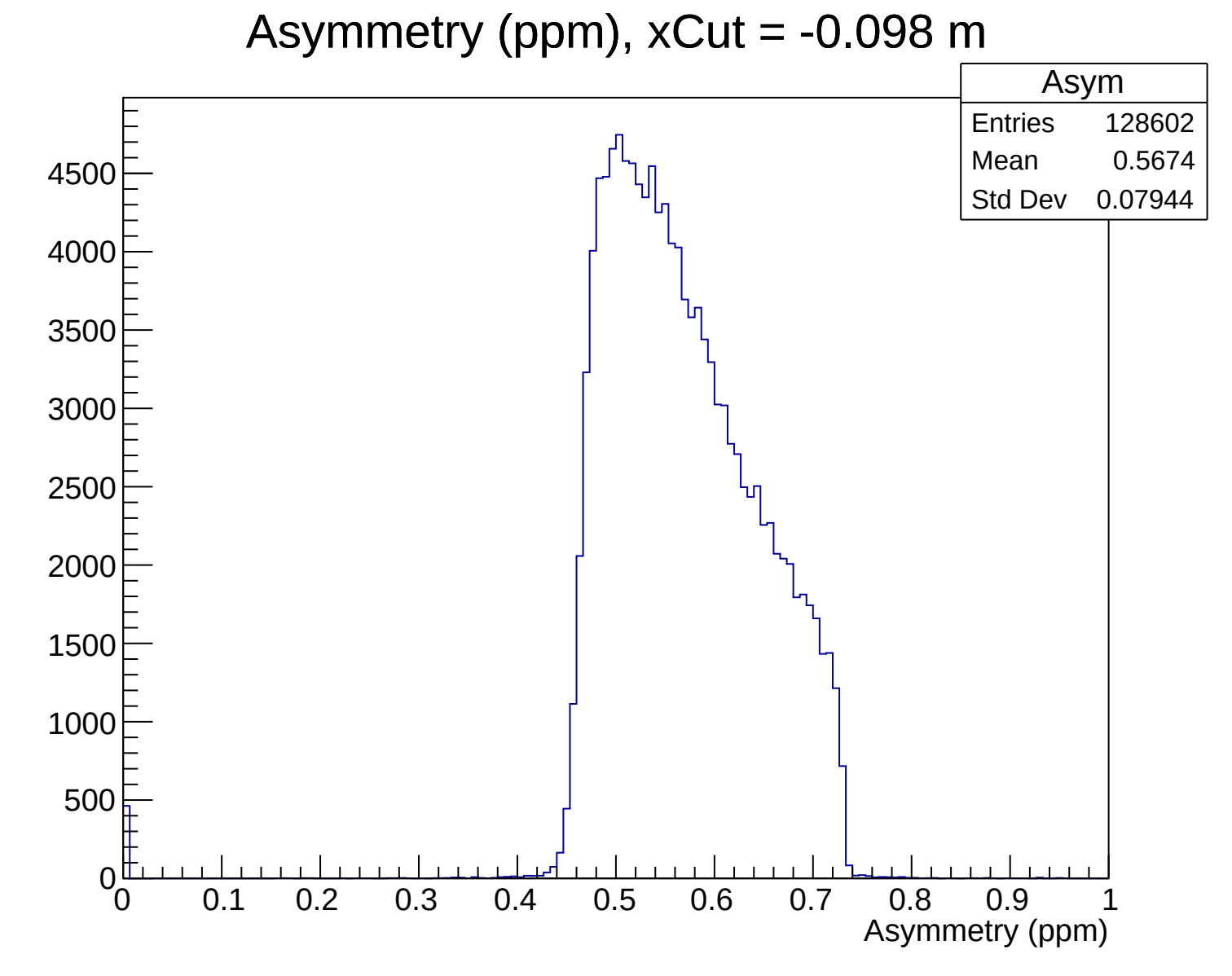

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

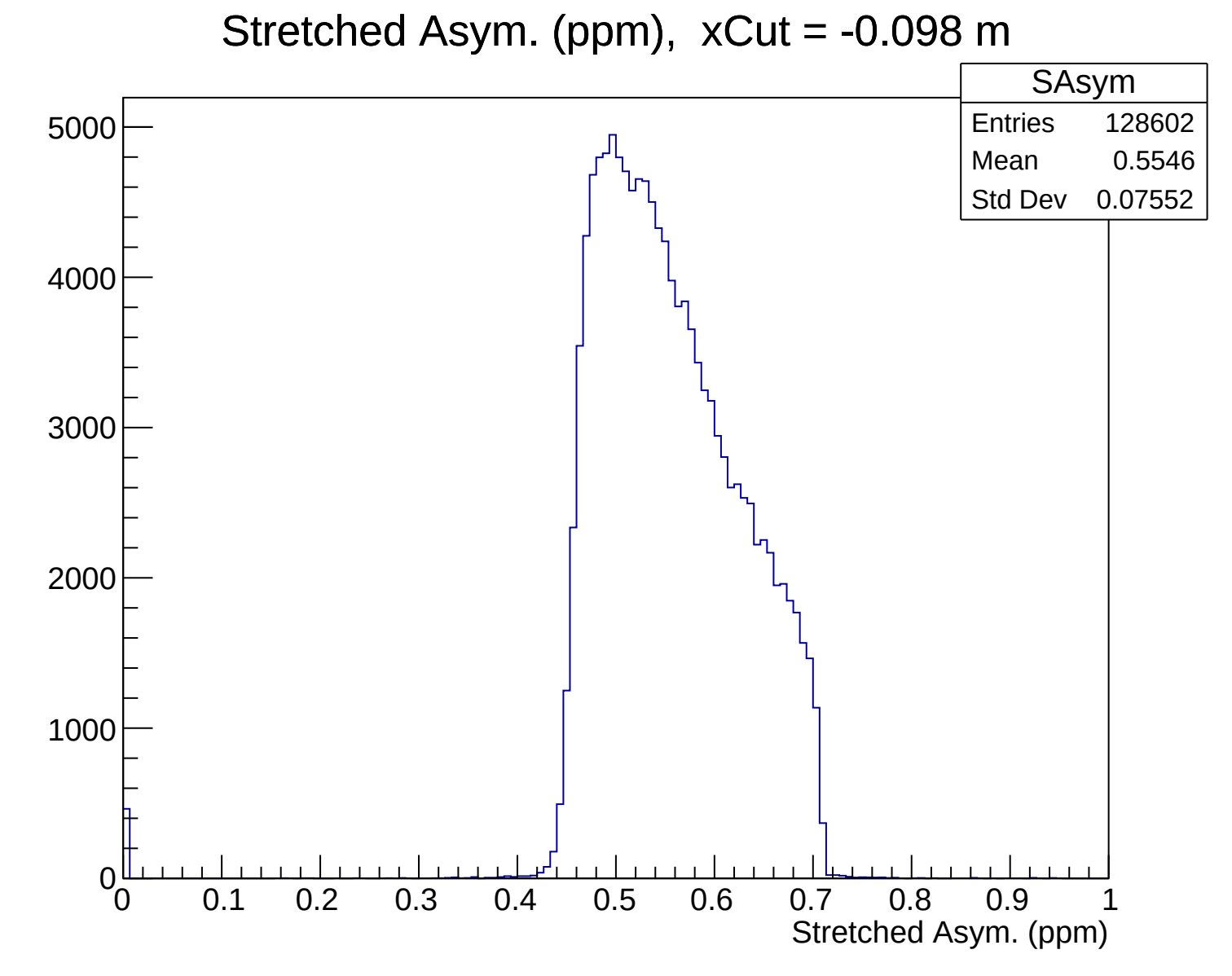

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

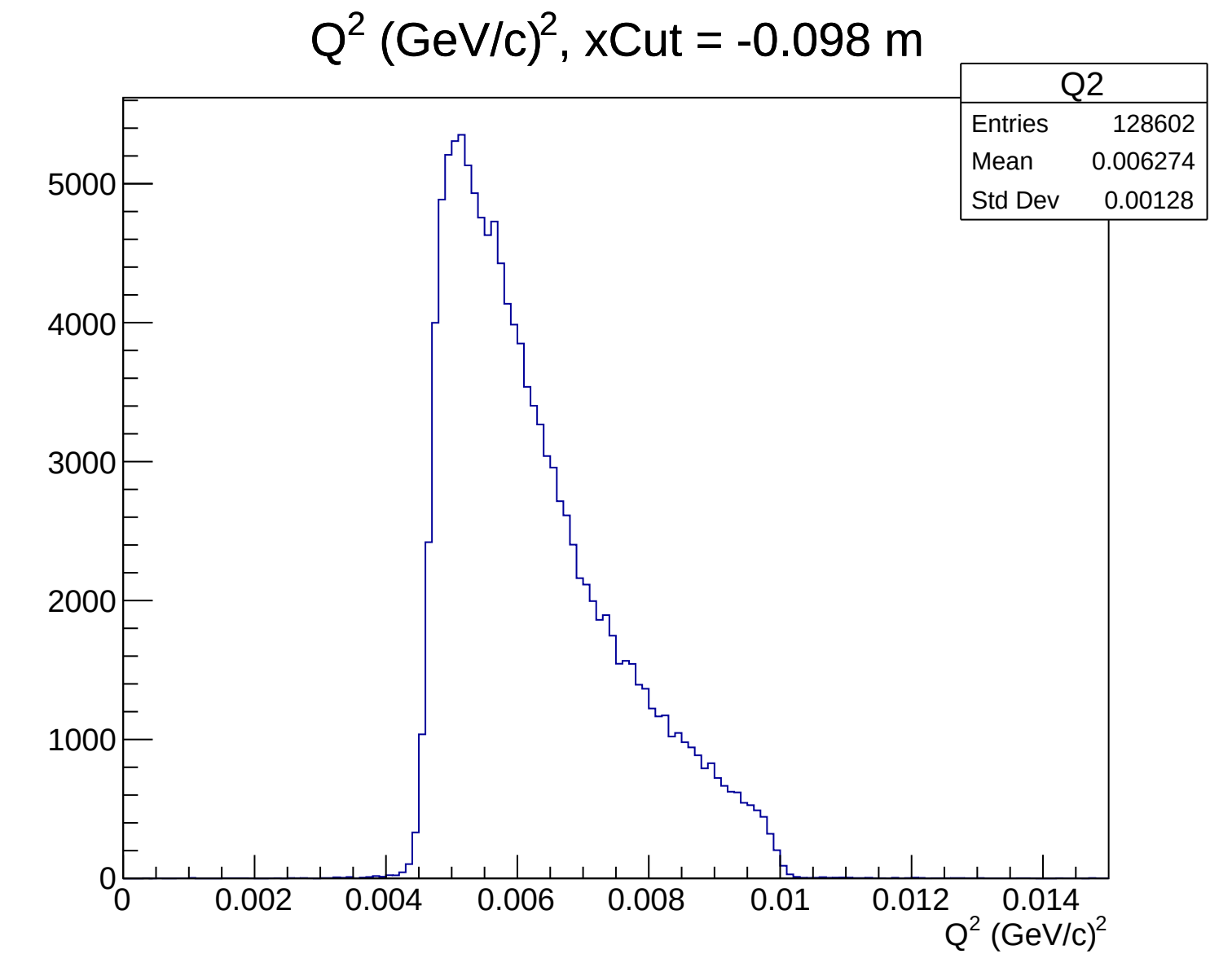

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

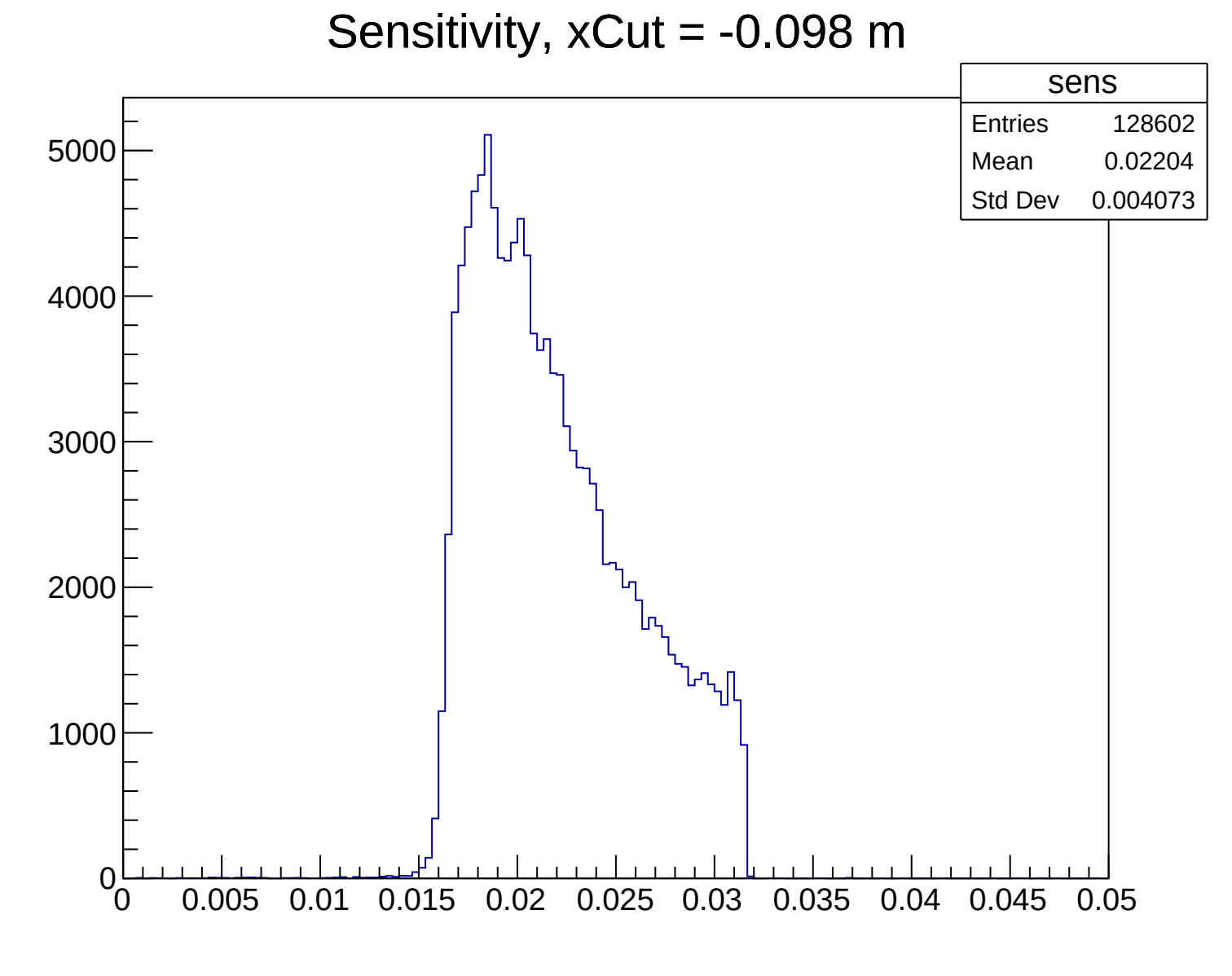

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

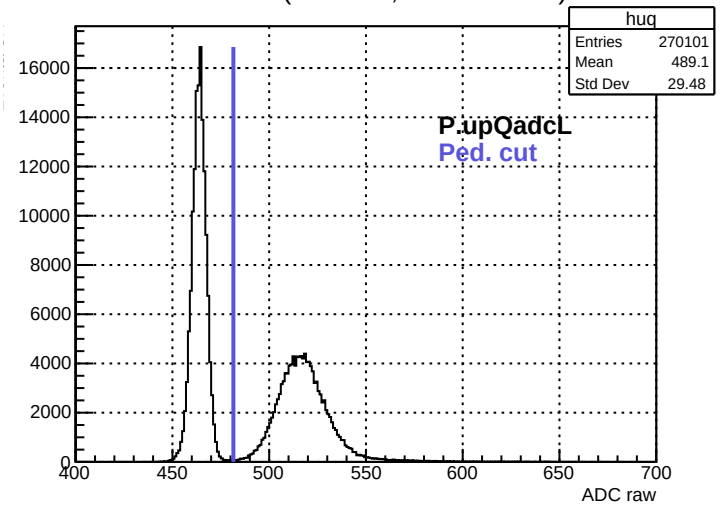

θlab (deg), xCut = -0.098 m
Theta
Entries 128602
Mean 4.766
Std Dev 0.4739
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

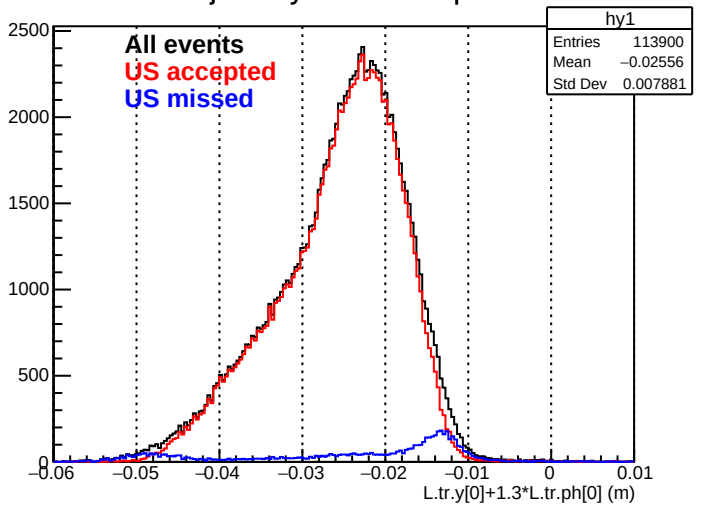

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 128602
Mean 0.5674
Std Dev 0.07944
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

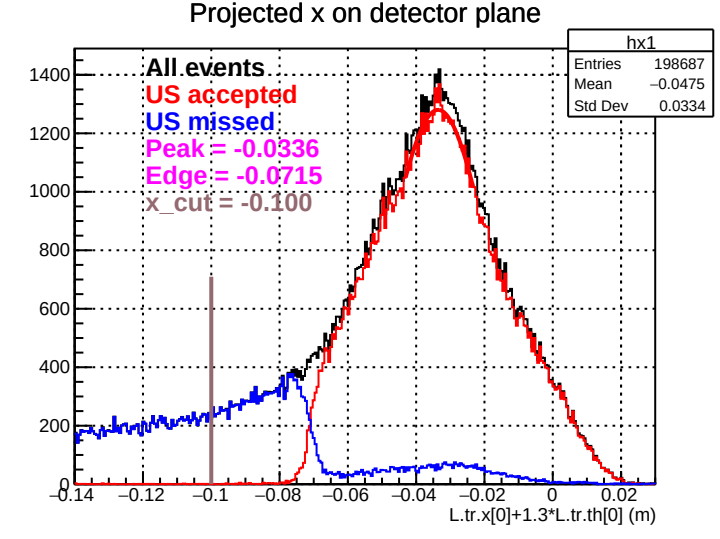

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 128602
Mean 0.5546
Std Dev 0.07552
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

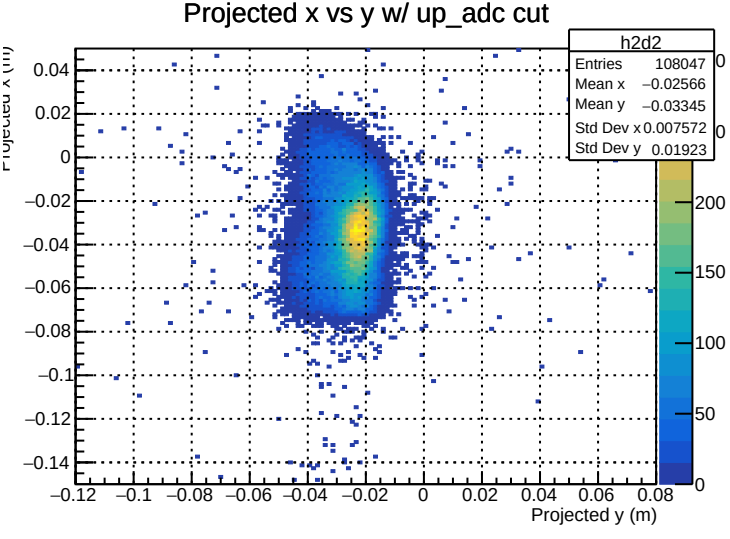

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 128602
Mean 0.006274
Std Dev 0.00128
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

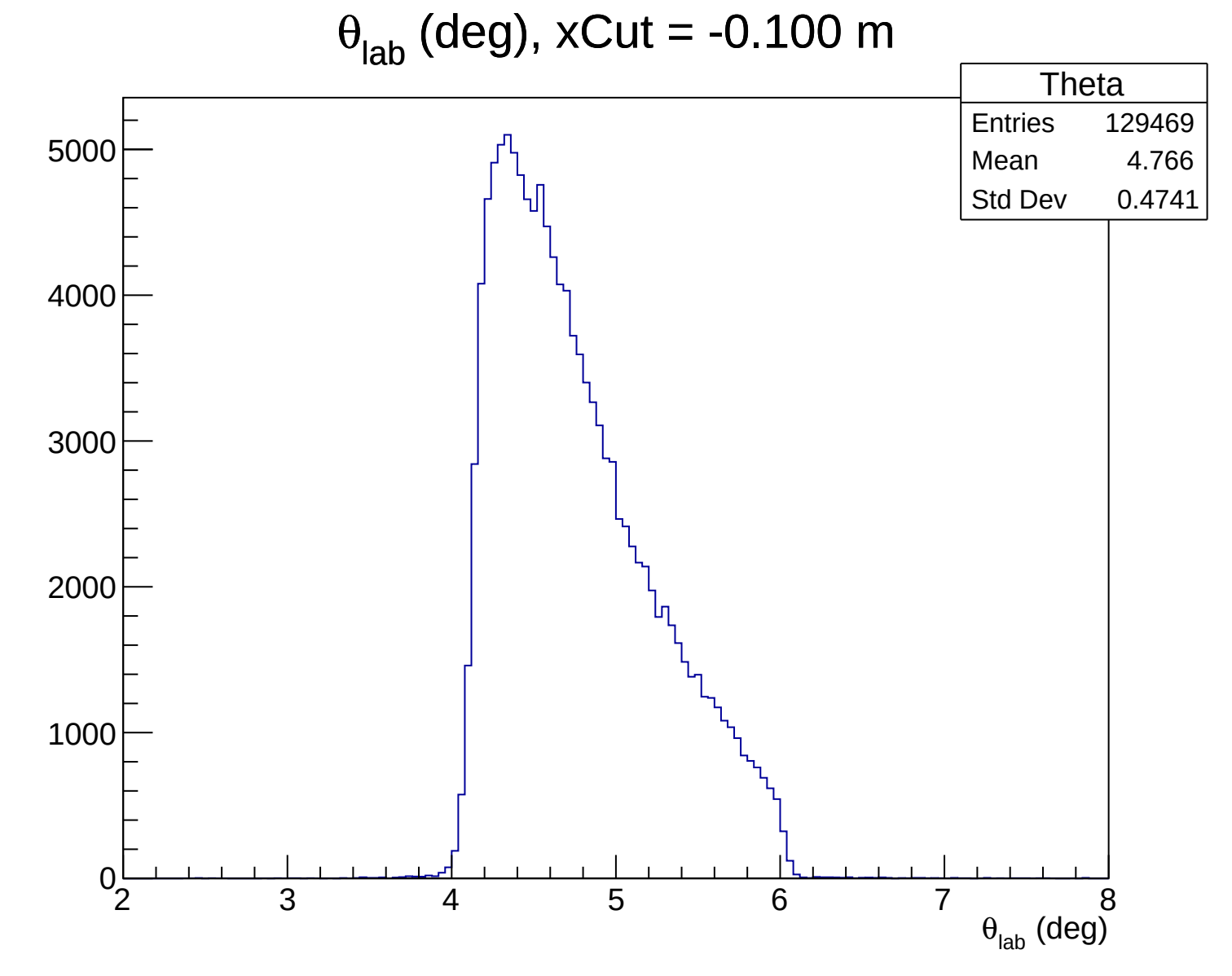

Sensitivity, xCut = -0.098 m
sens
Entries 128602
Mean 0.02204
Std Dev 0.004073
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

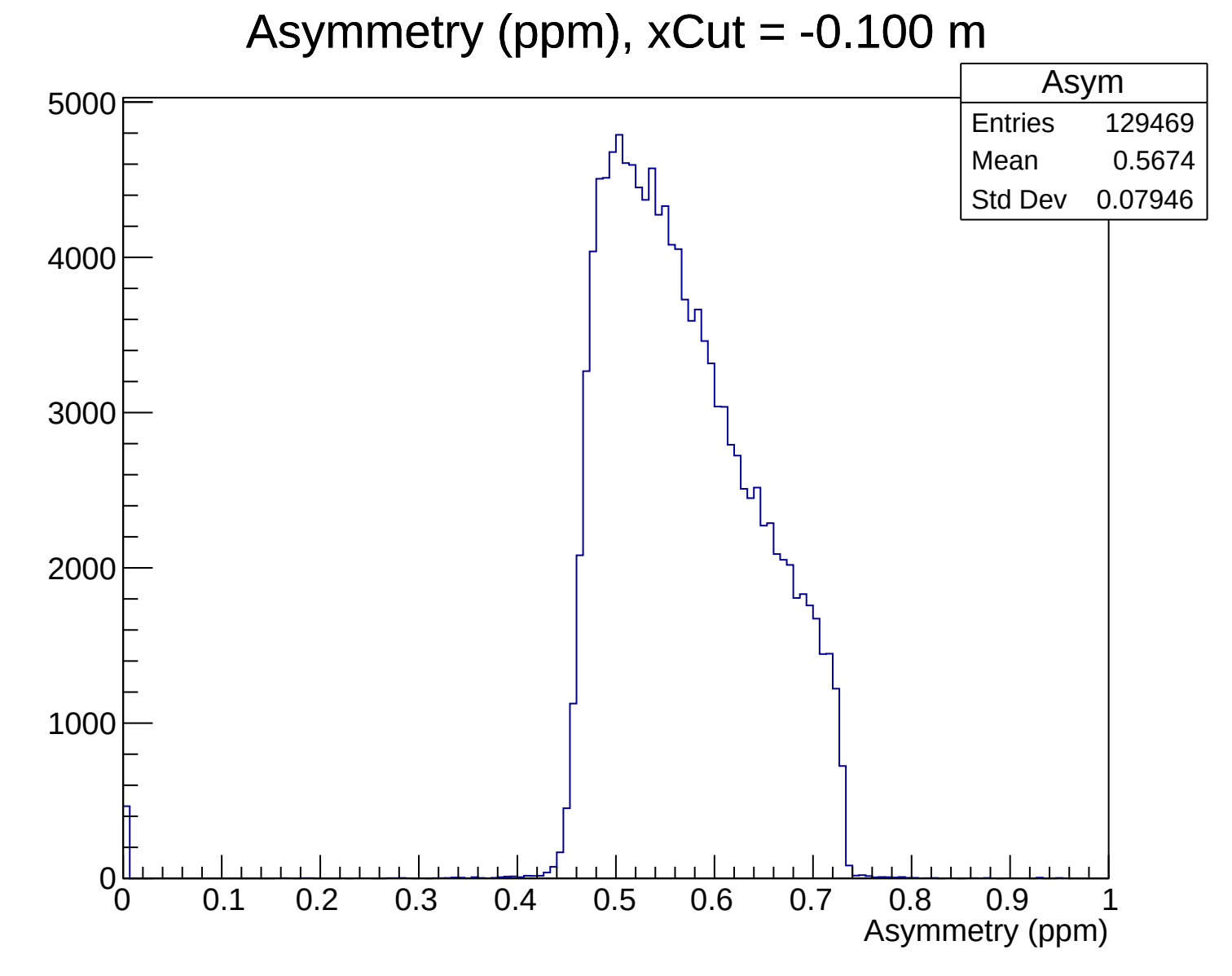

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

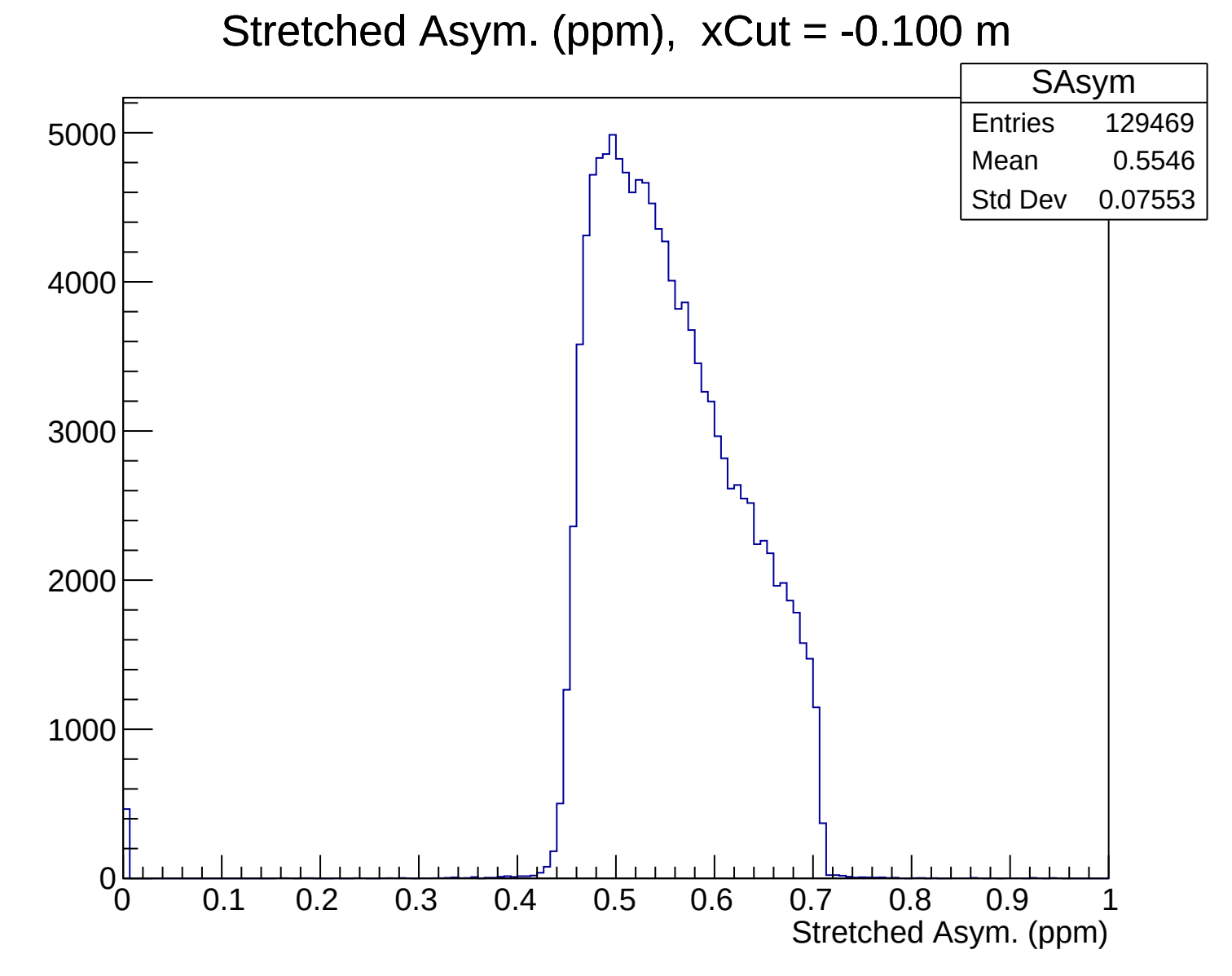

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

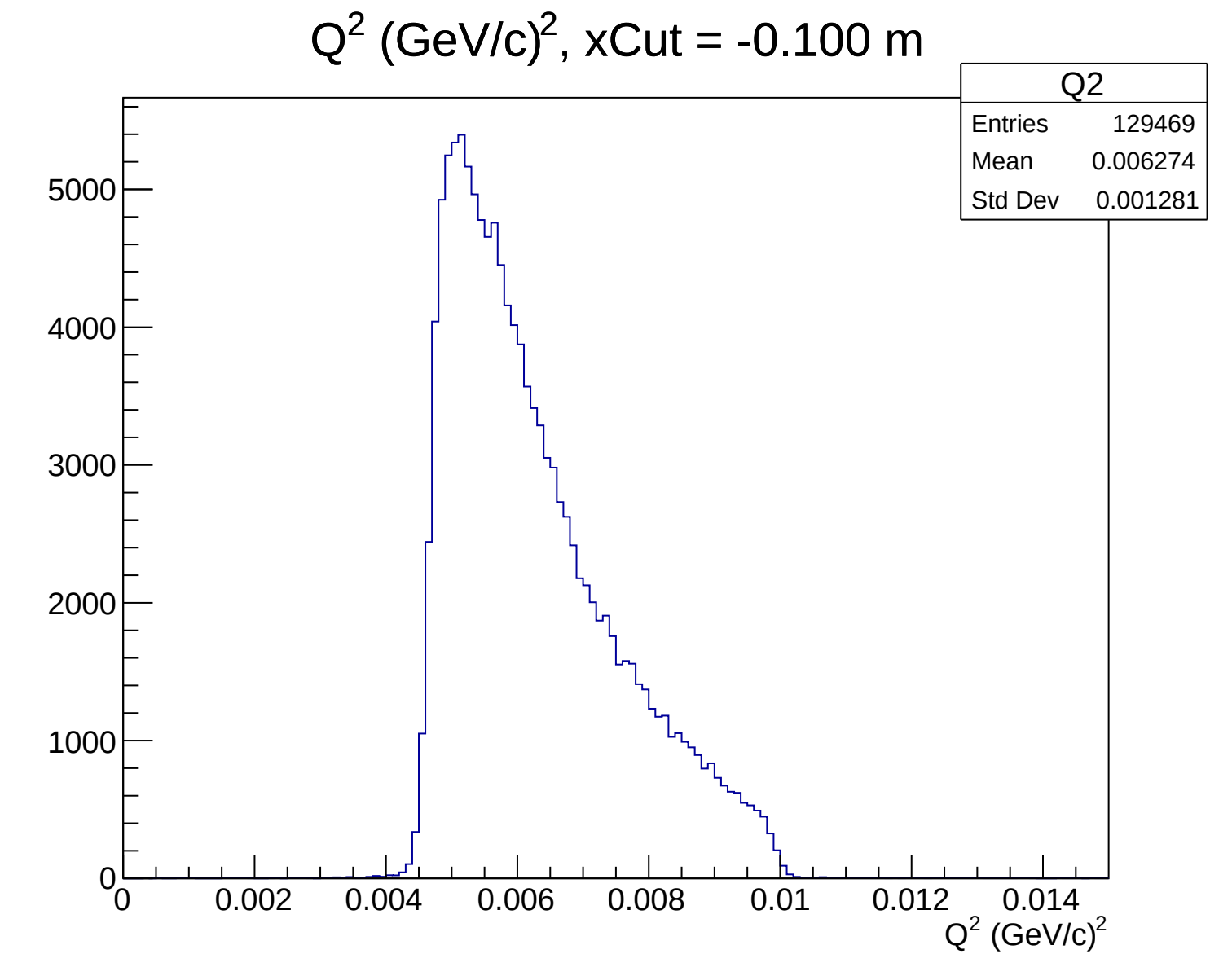

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

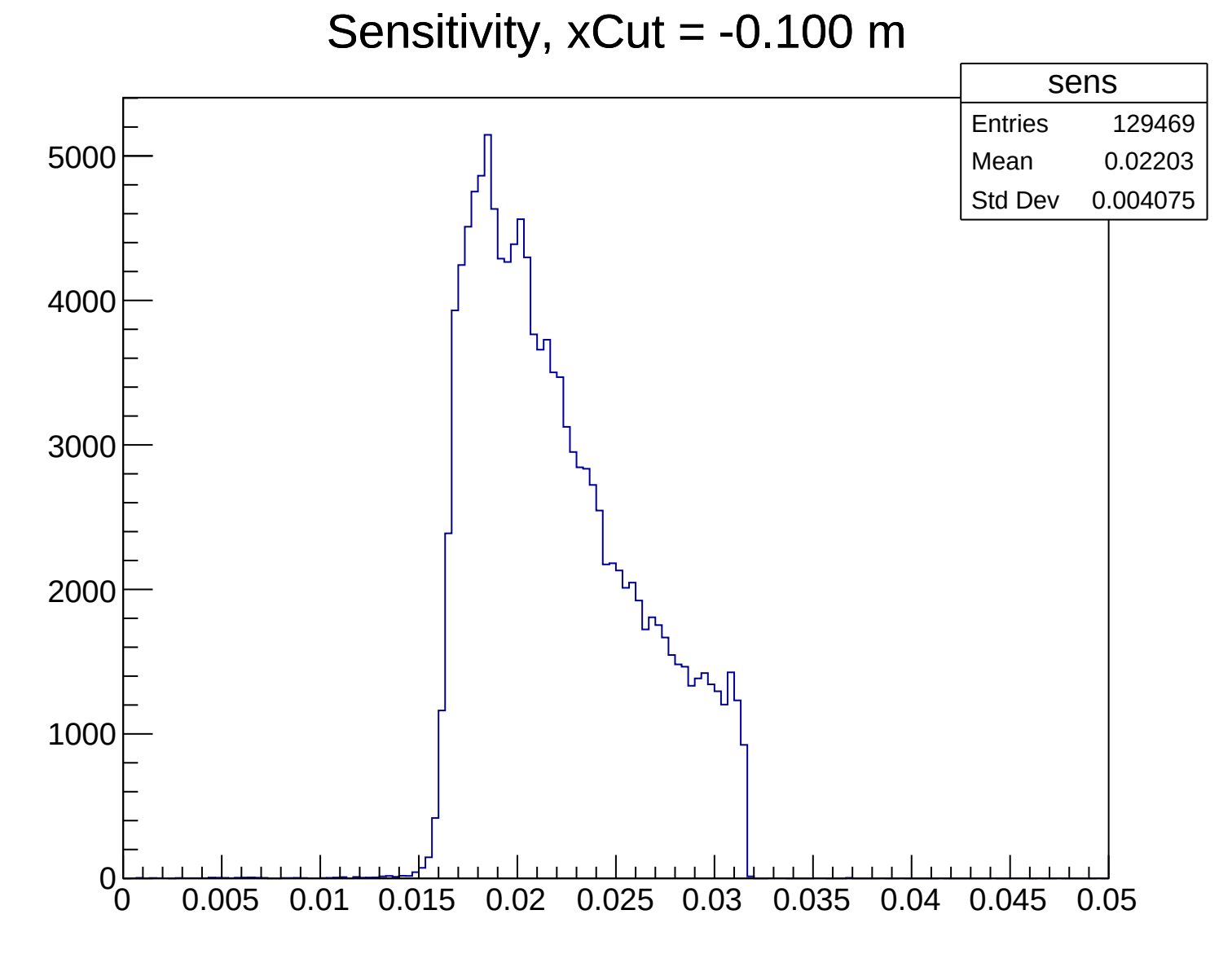

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

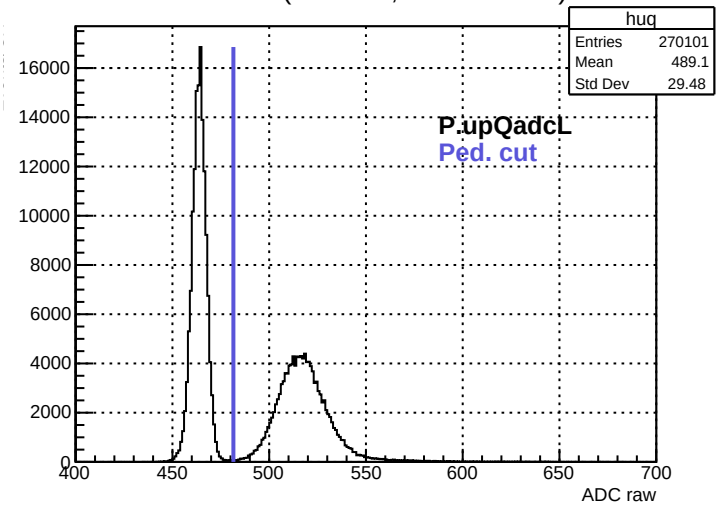

θlab (deg), xCut = -0.100 m
Theta
Entries 129469
Mean 4.766
Std Dev 0.4741
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

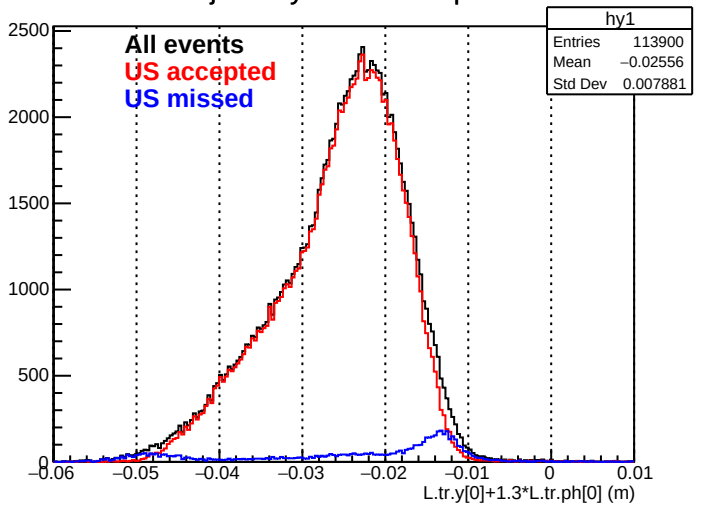

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 129469
Mean 0.5674
Std Dev 0.07946
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

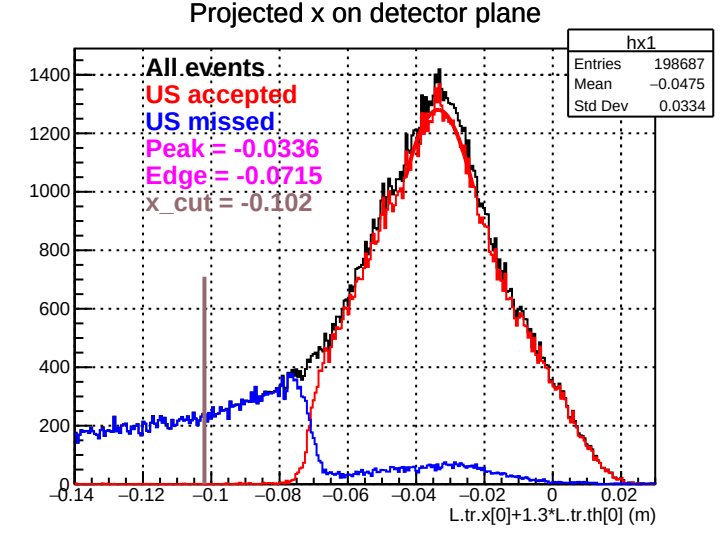

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 129469
Mean 0.5546
Std Dev 0.07553
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

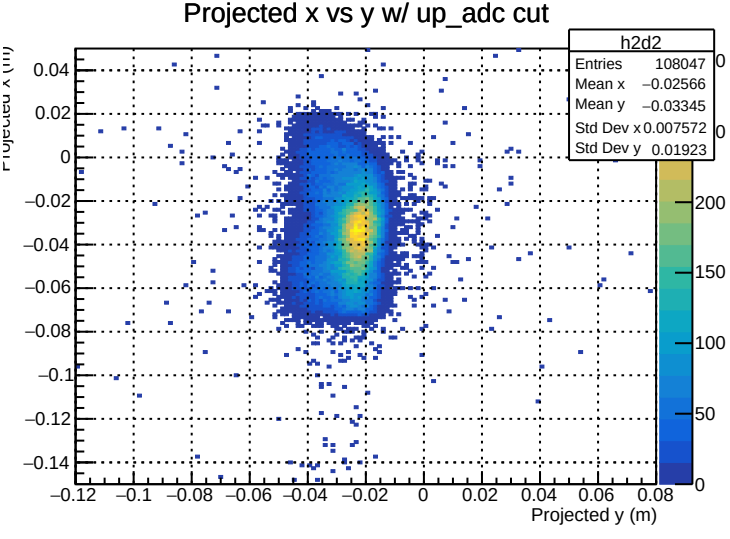

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 129469
Mean 0.006274
Std Dev 0.001281
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

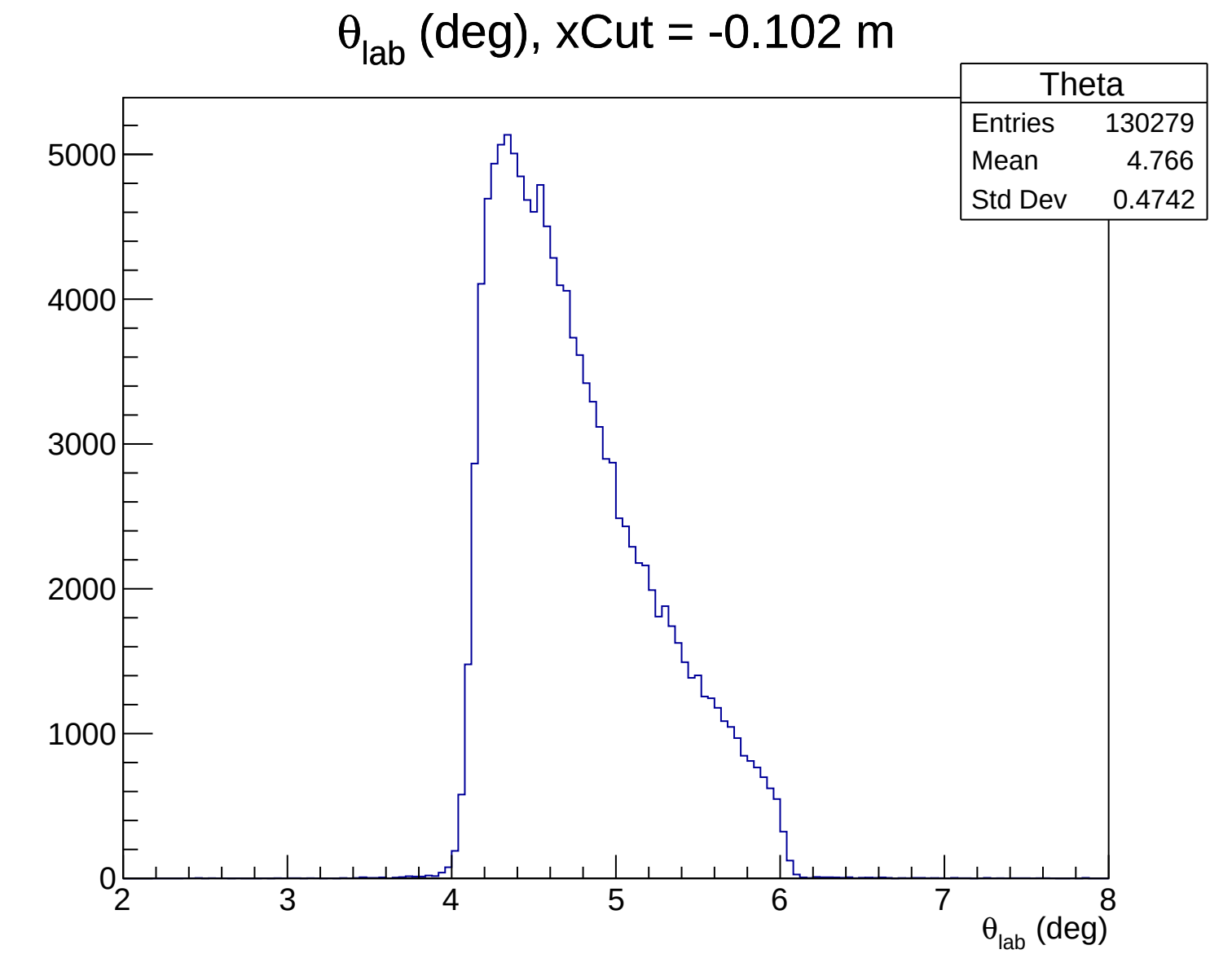

Sensitivity, xCut = -0.100 m
sens
Entries 129469
Mean 0.02203
Std Dev 0.004075
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

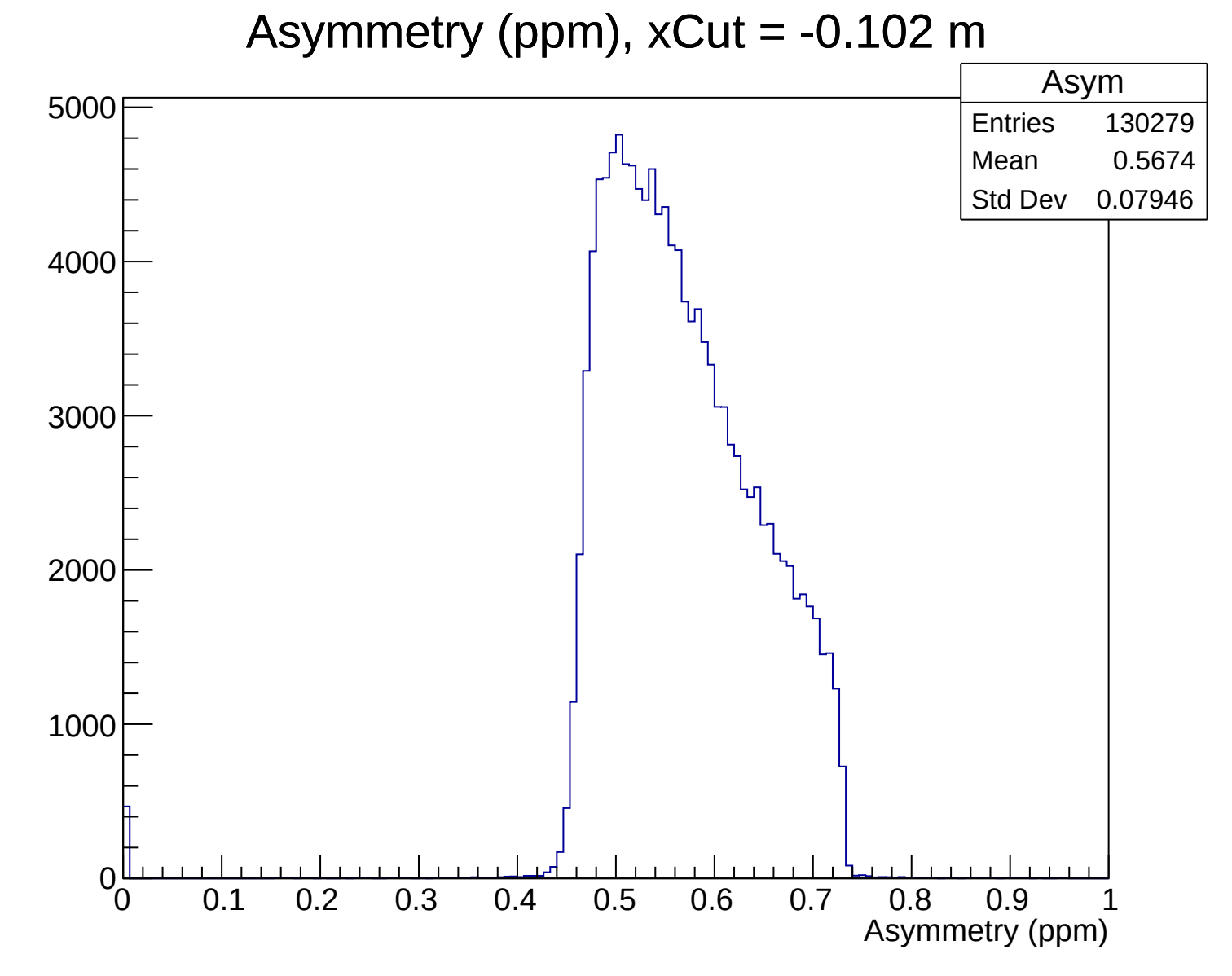

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

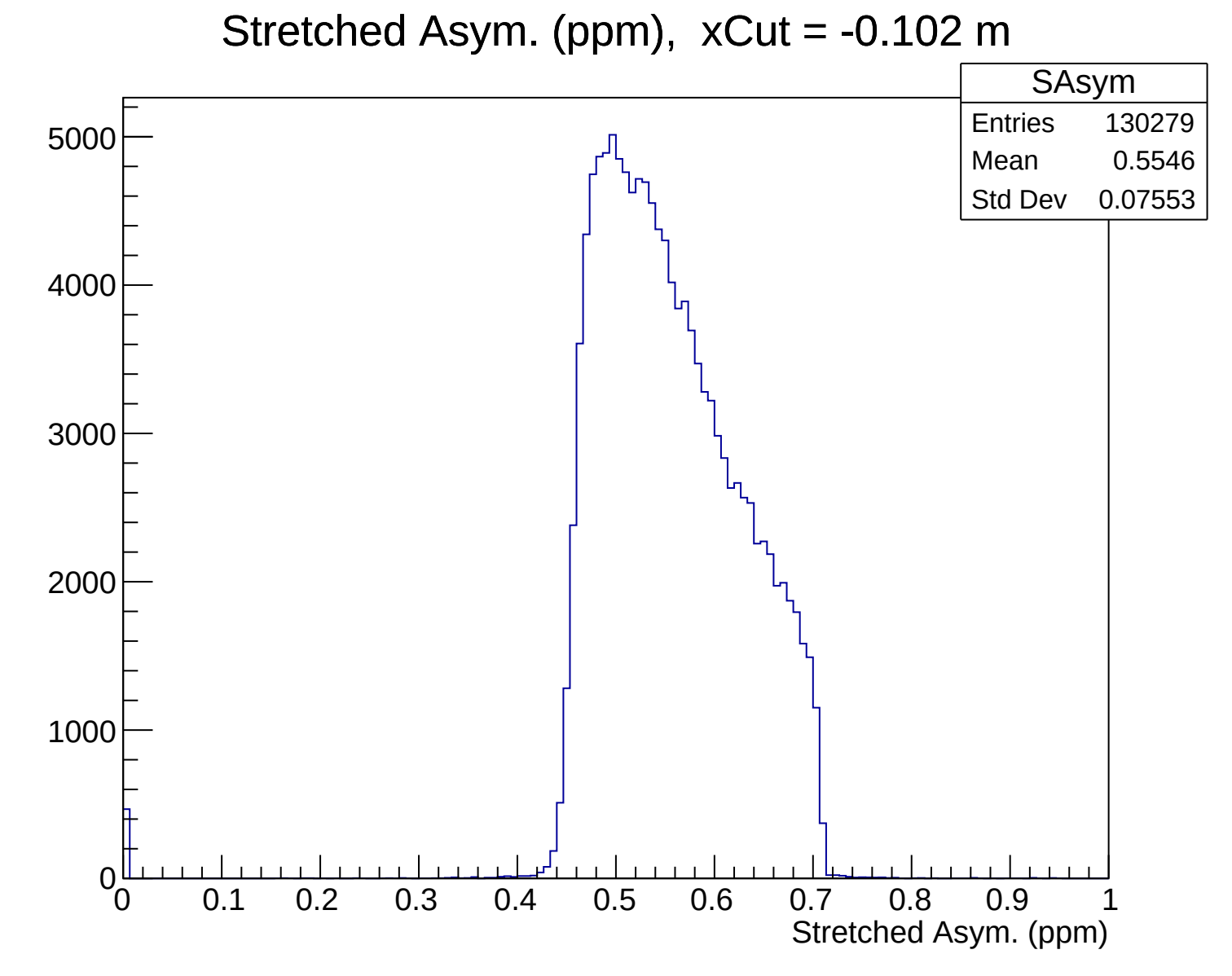

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

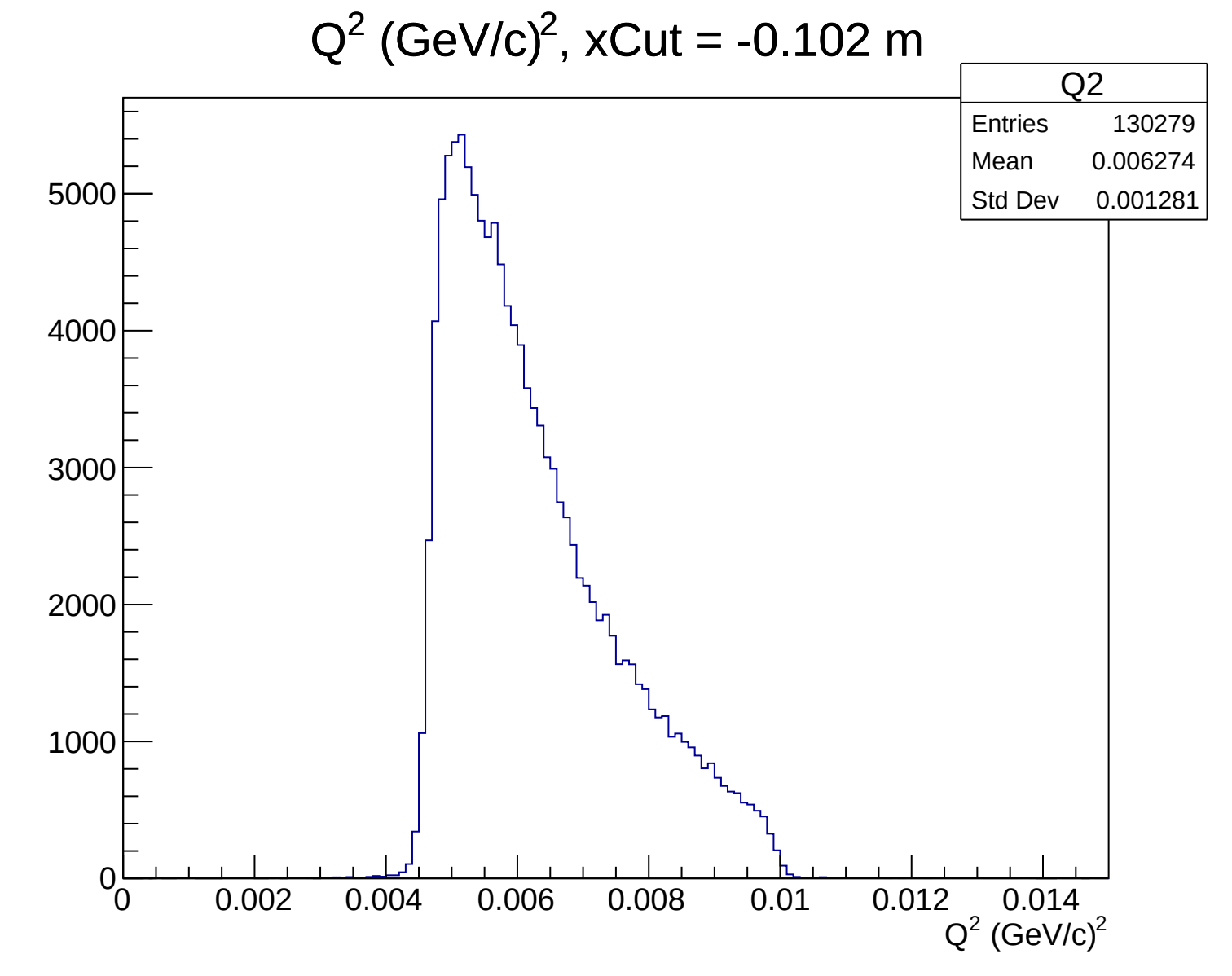

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.102
L.tr.x[0]+1.3*L.tr.th[0] (m)

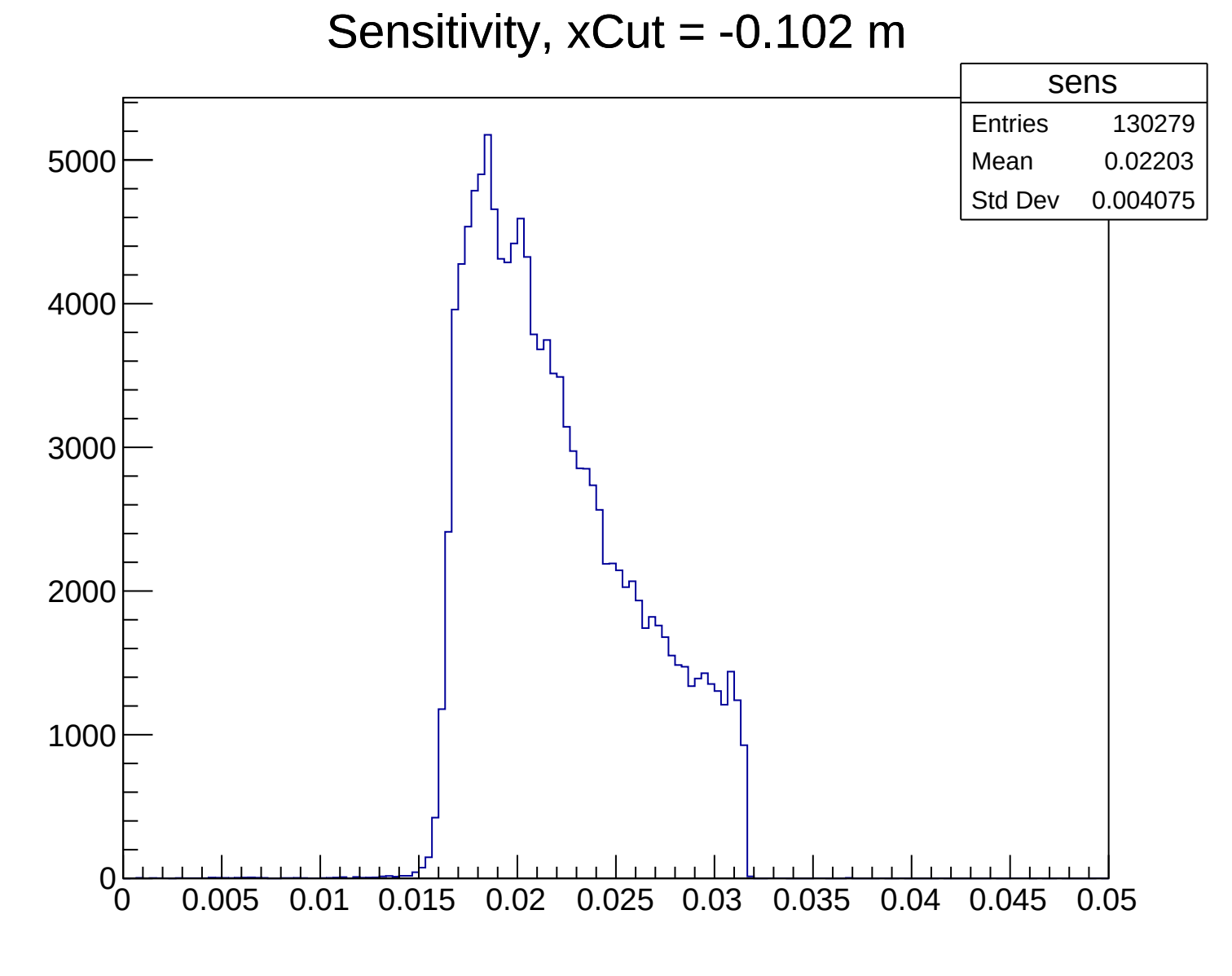

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

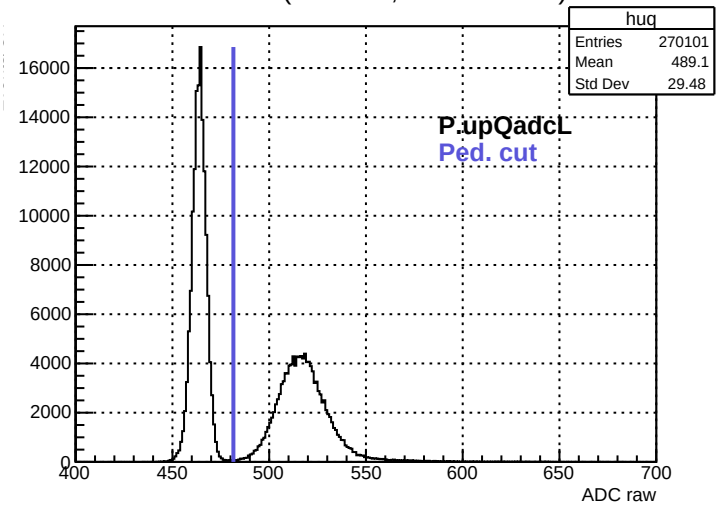

θlab (deg), xCut = -0.102 m
Theta
Entries 130279
Mean 4.766
Std Dev 0.4742
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

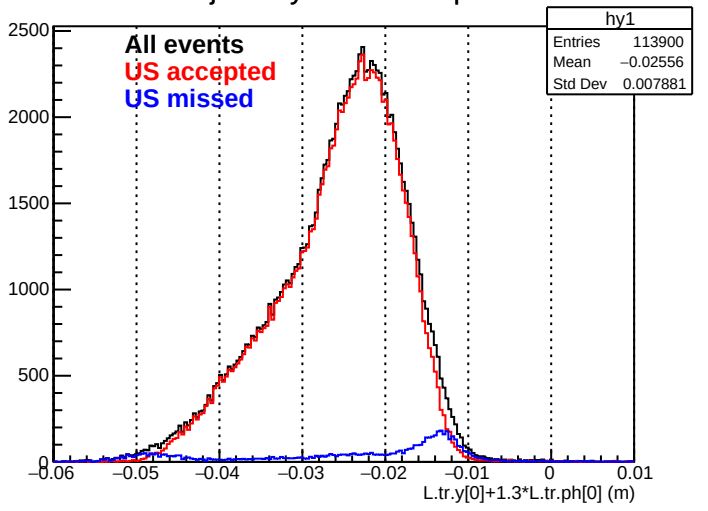

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 130279
Mean 0.5674
Std Dev 0.07946
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

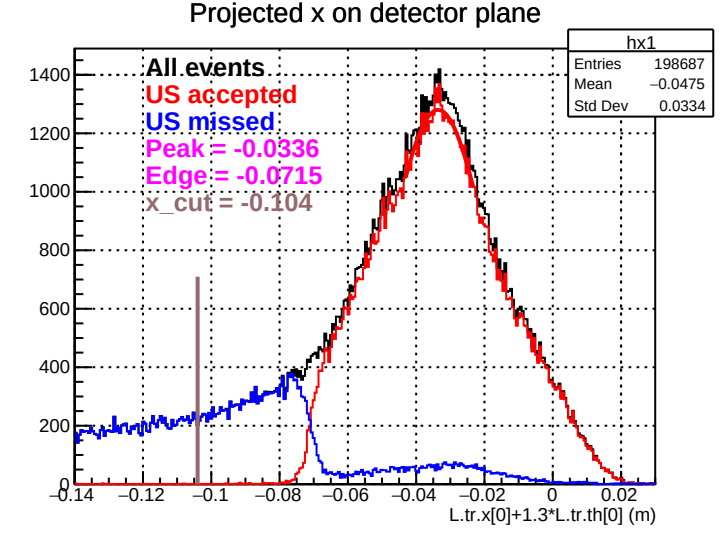

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 130279
Mean 0.5546
Std Dev 0.07553
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

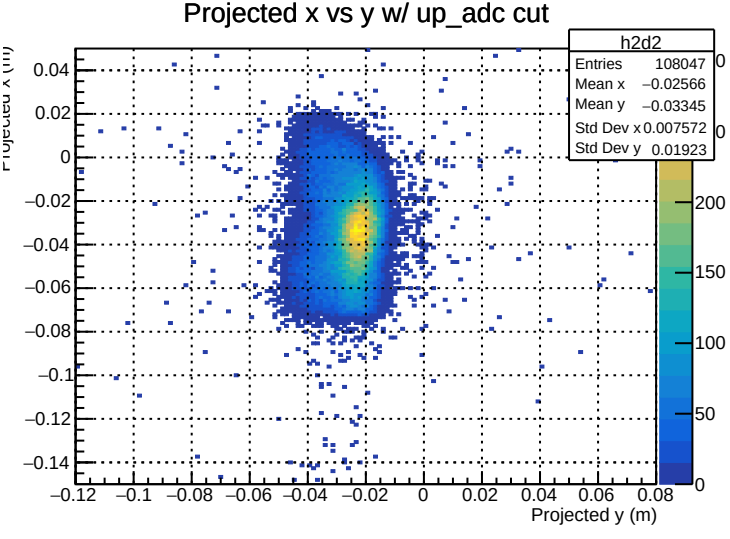

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 130279
Mean 0.006274
Std Dev 0.001281
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

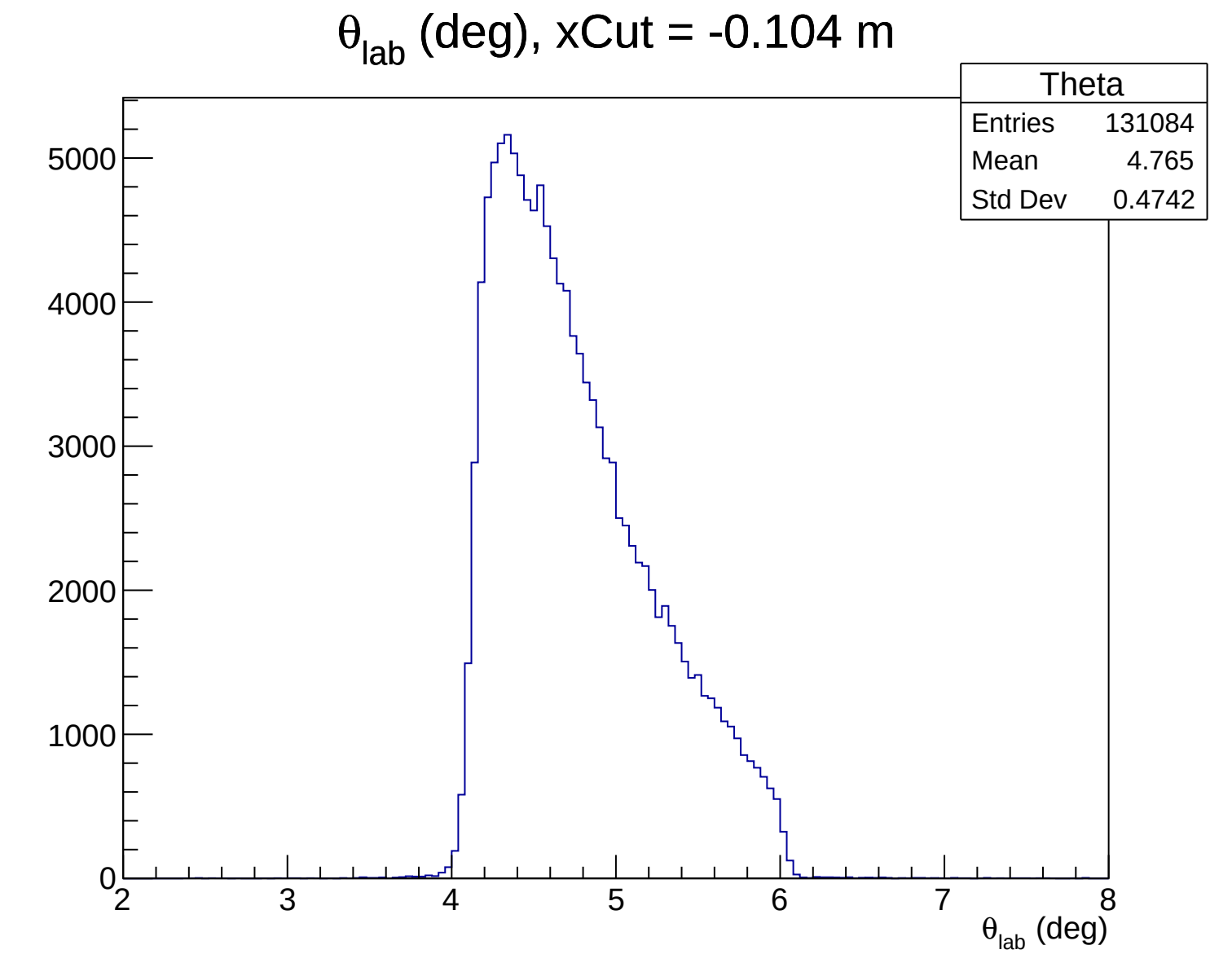

Sensitivity, xCut = -0.102 m
sens
Entries 130279
Mean 0.02203
Std Dev 0.004075
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

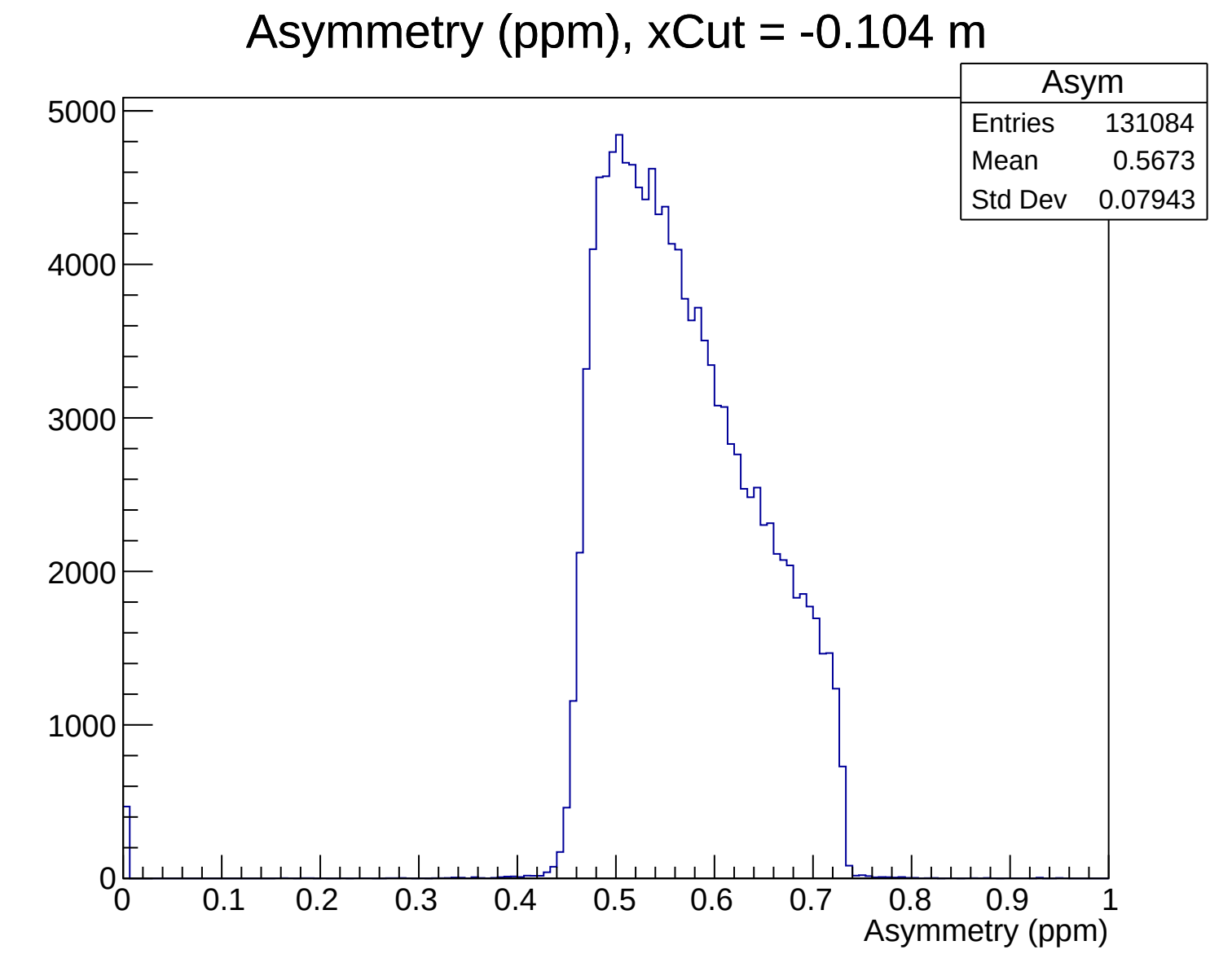

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

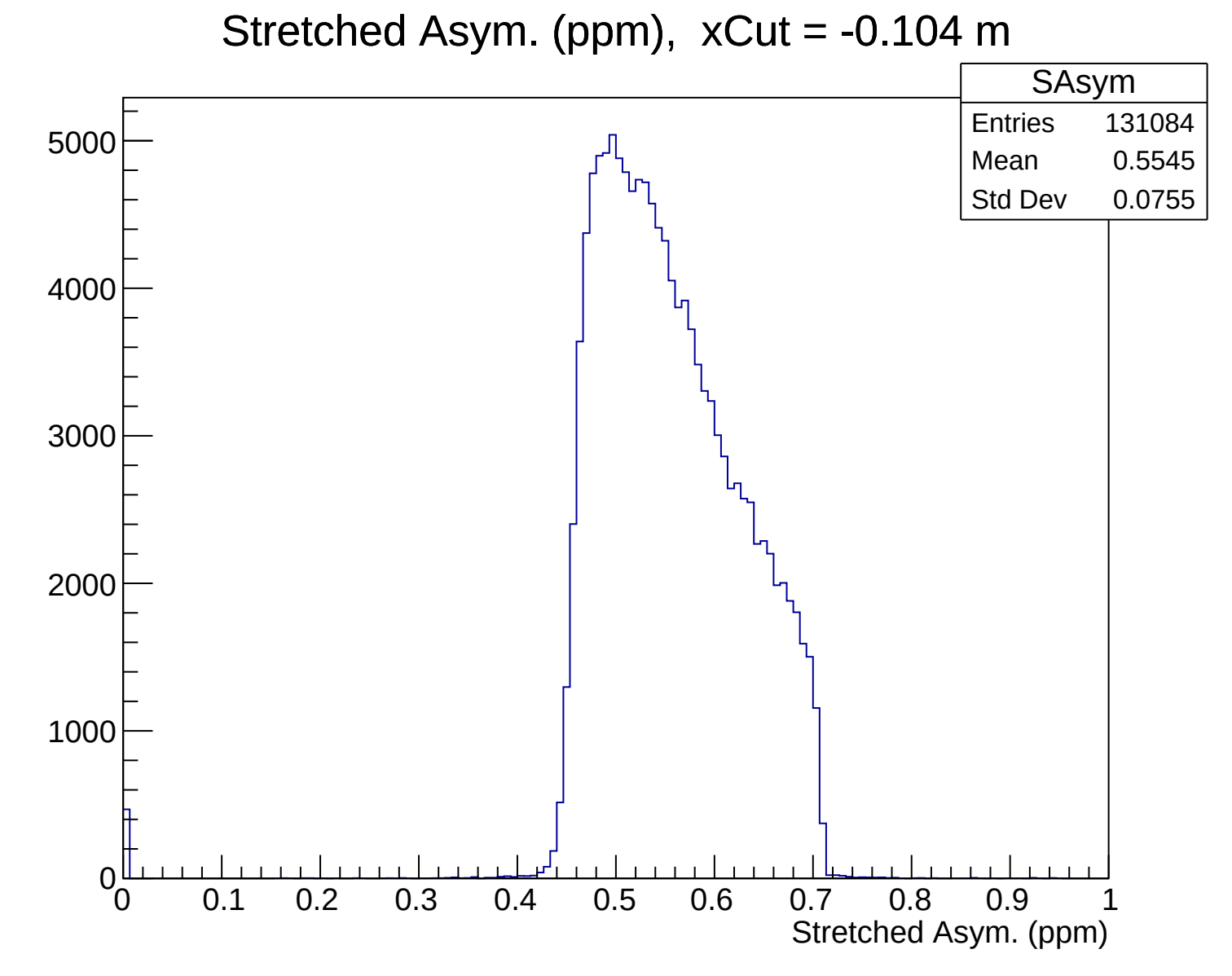

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

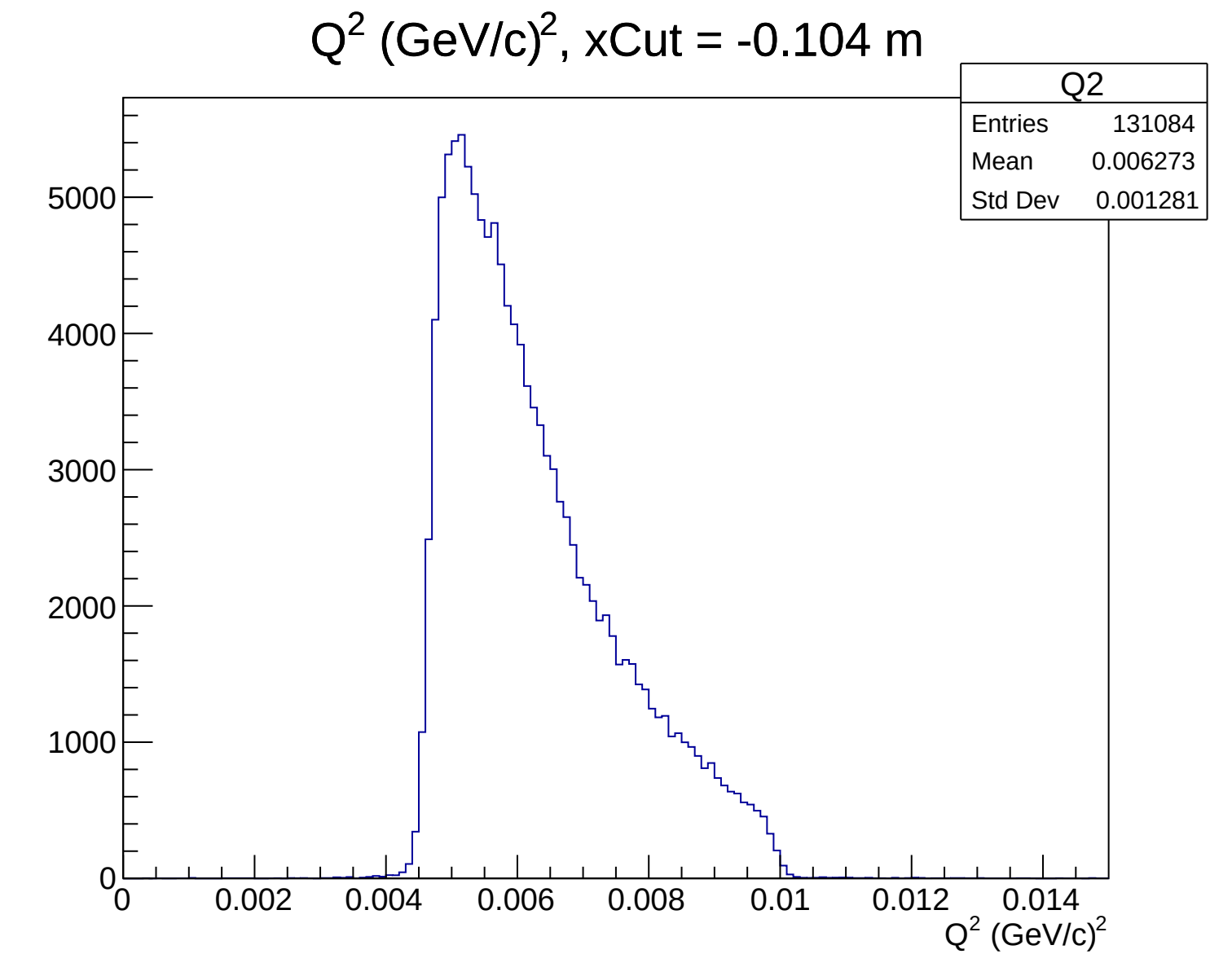

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

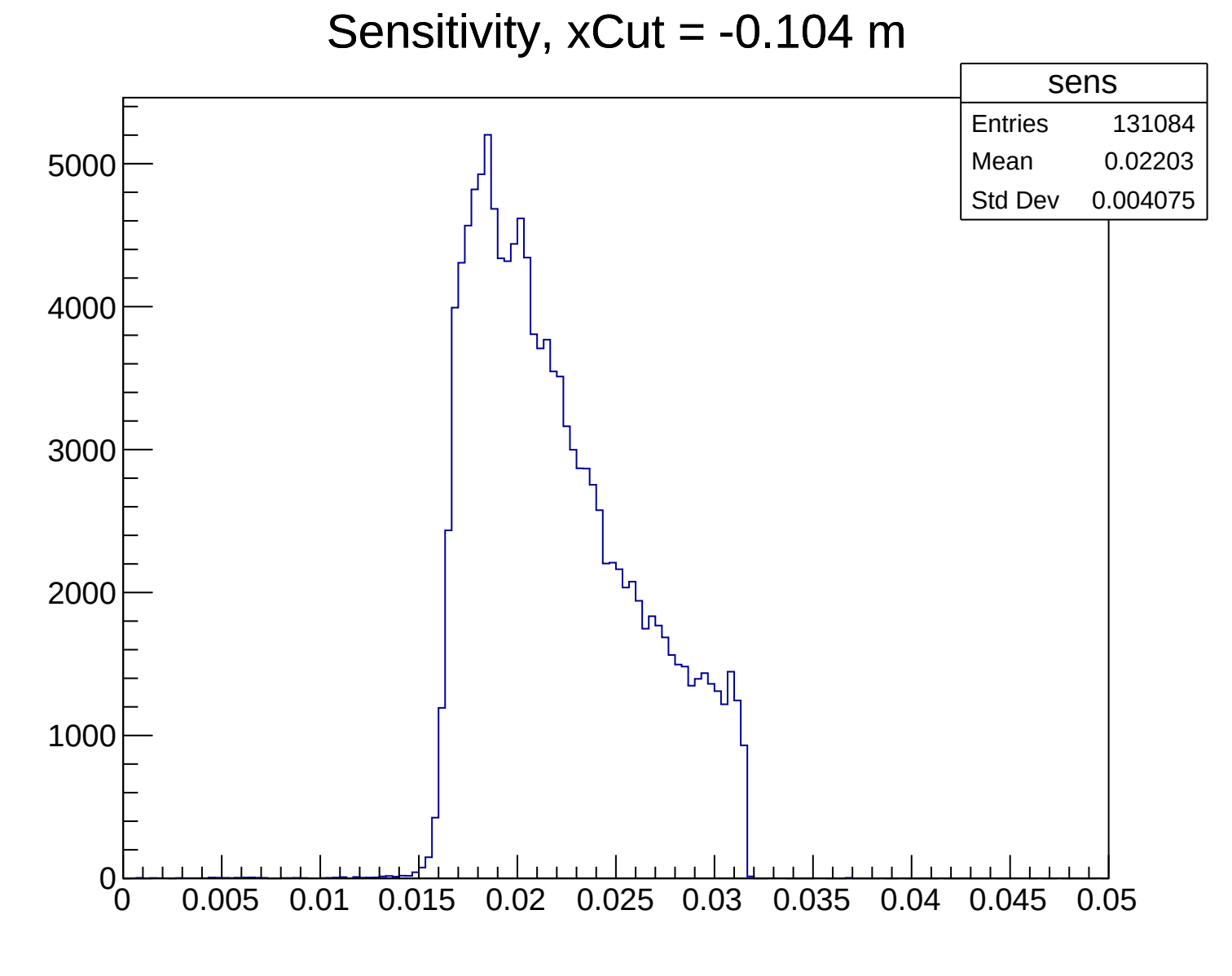

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

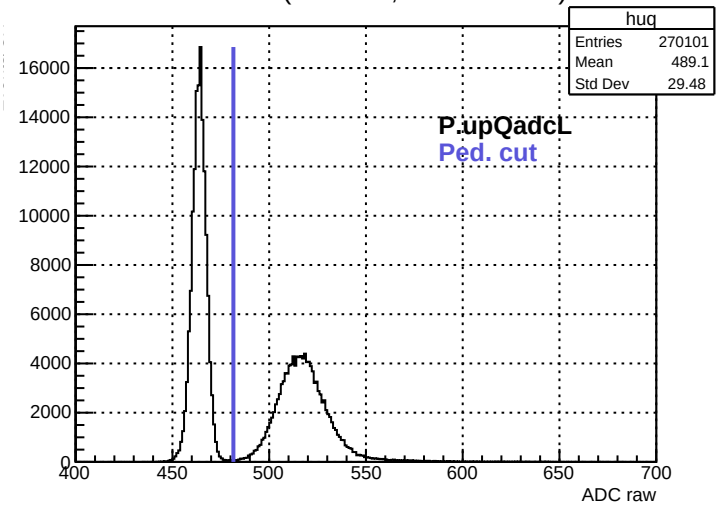

θlab (deg), xCut = -0.104 m
Theta
Entries 131084
Mean 4.765
Std Dev 0.4742
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

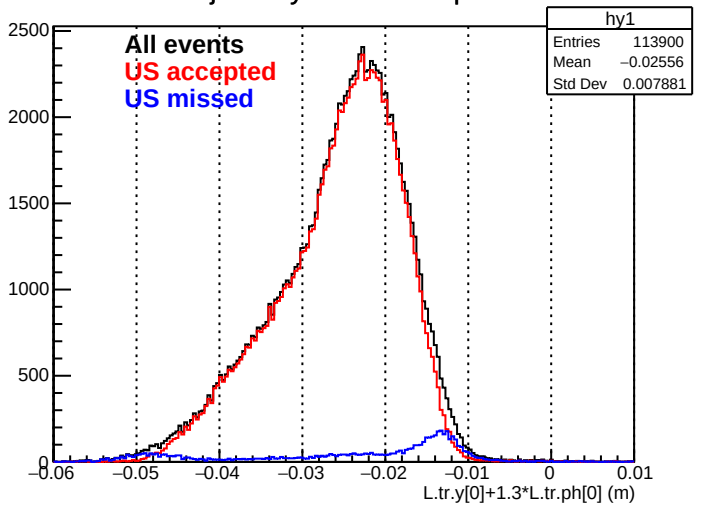

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 131084
Mean 0.5673
Std Dev 0.07943
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

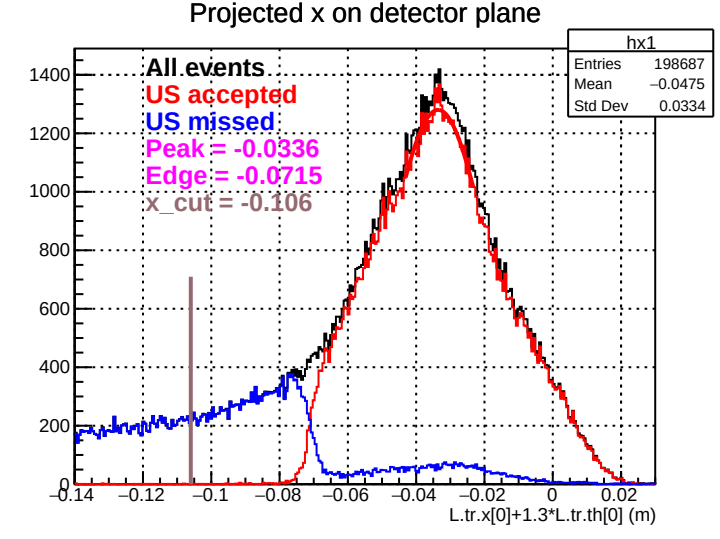

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 131084
Mean 0.5545
Std Dev 0.0755
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

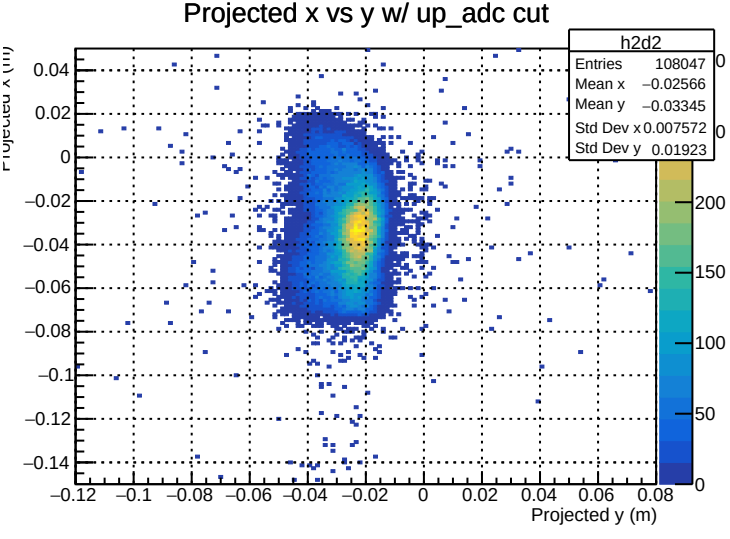

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 131084
Mean 0.006273
Std Dev 0.001281
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

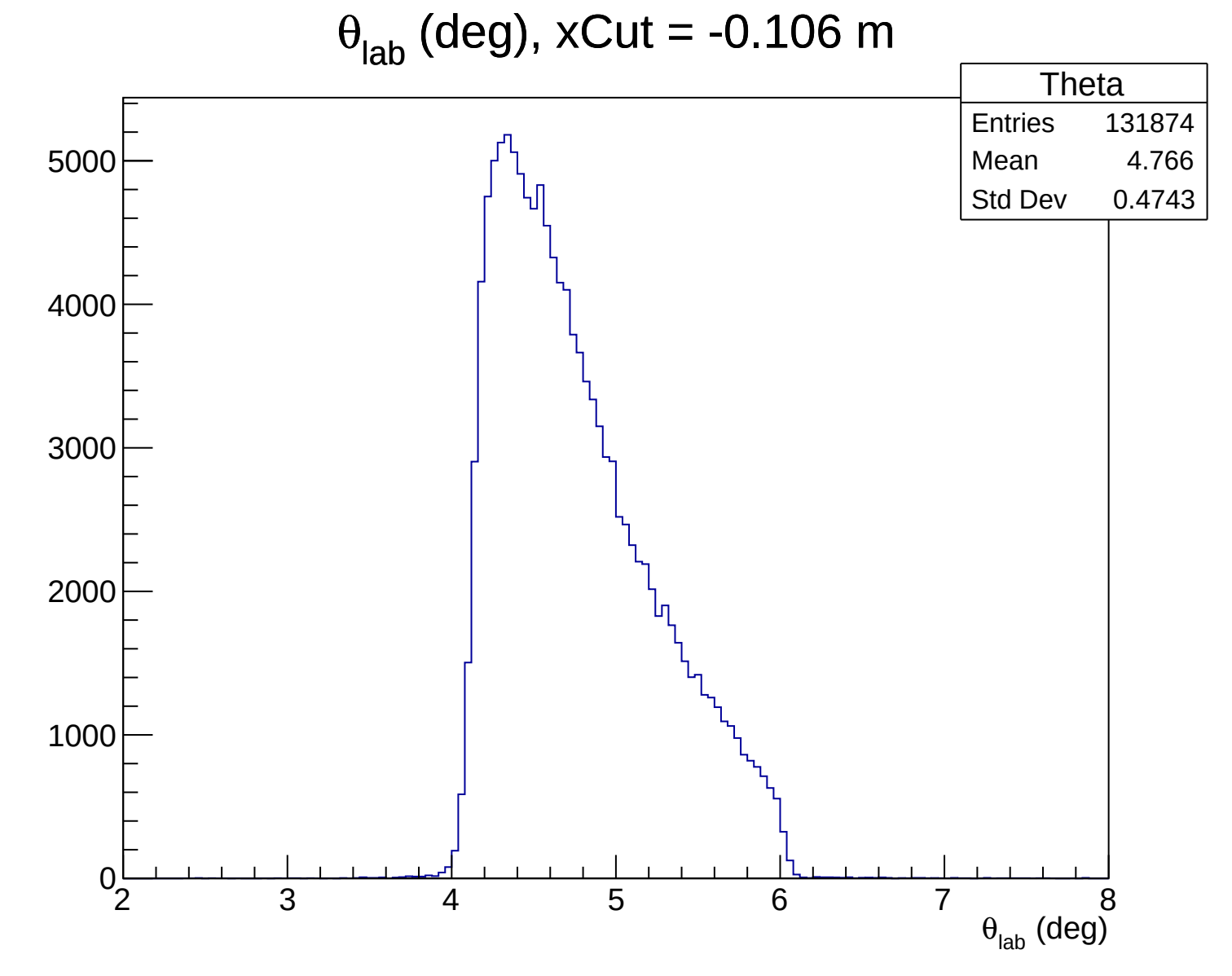

Sensitivity, xCut = -0.104 m
sens
Entries 131084
Mean 0.02203
Std Dev 0.004075
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

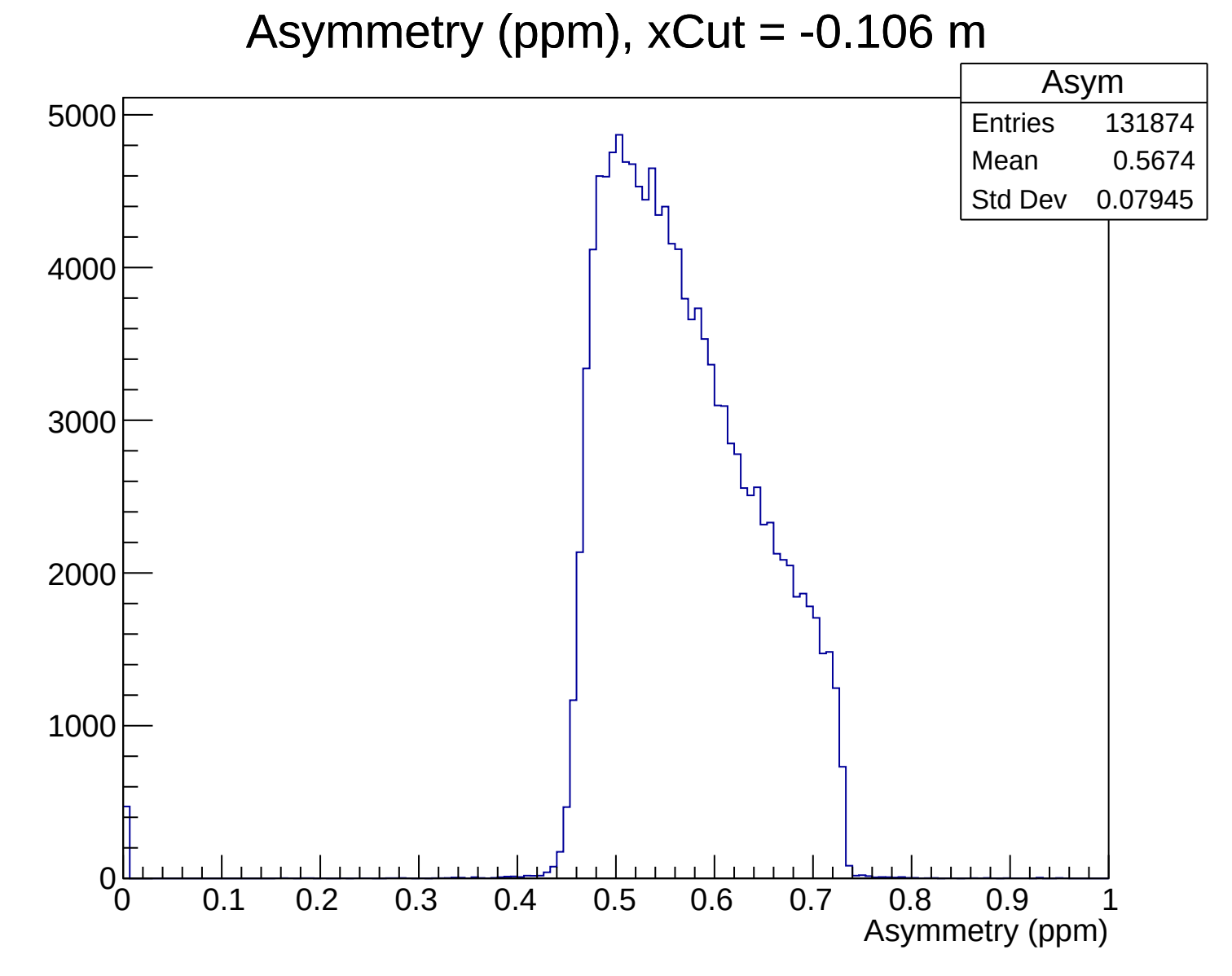

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

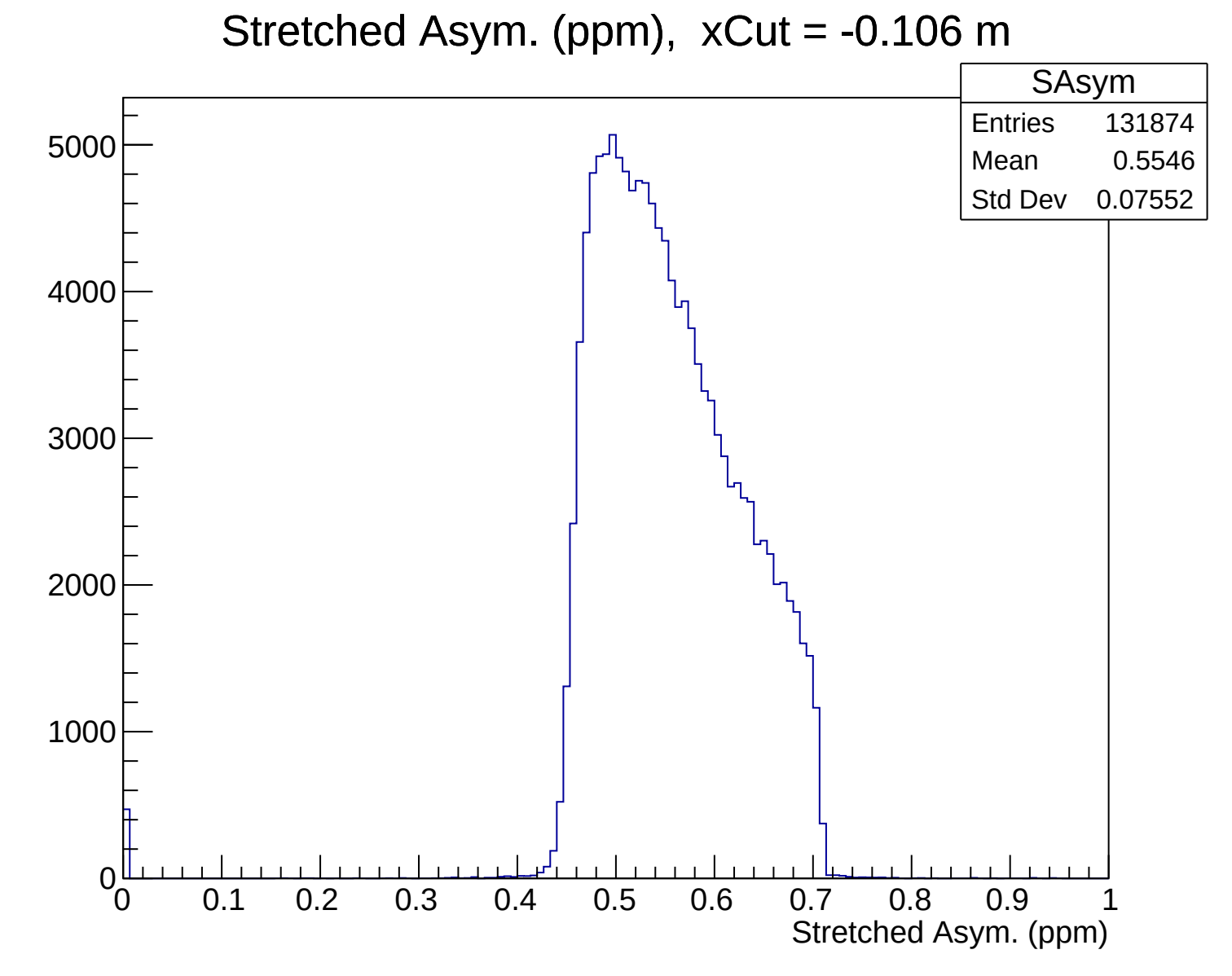

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

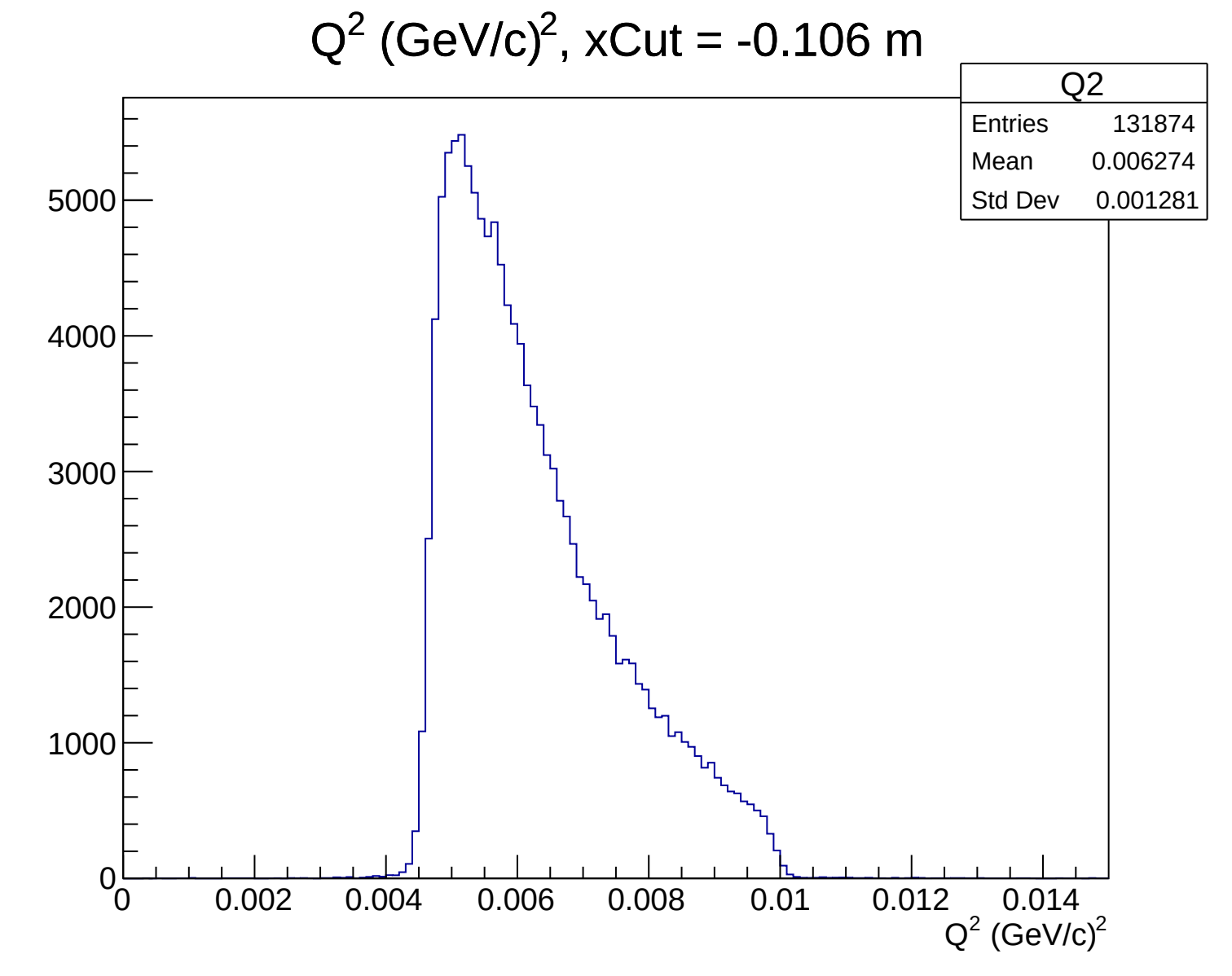

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.106
L.tr.x[0]+1.3*L.tr.th[0] (m)

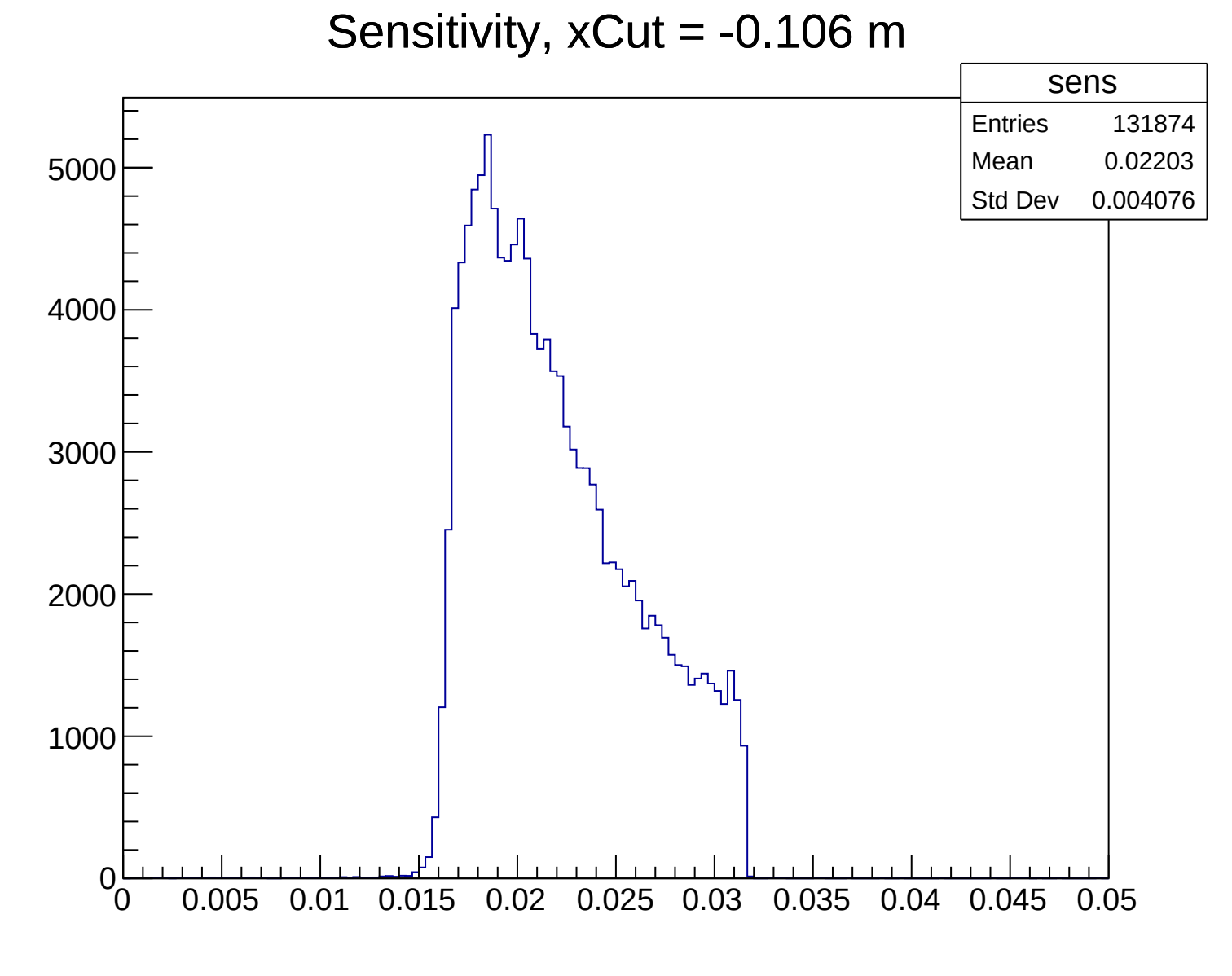

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

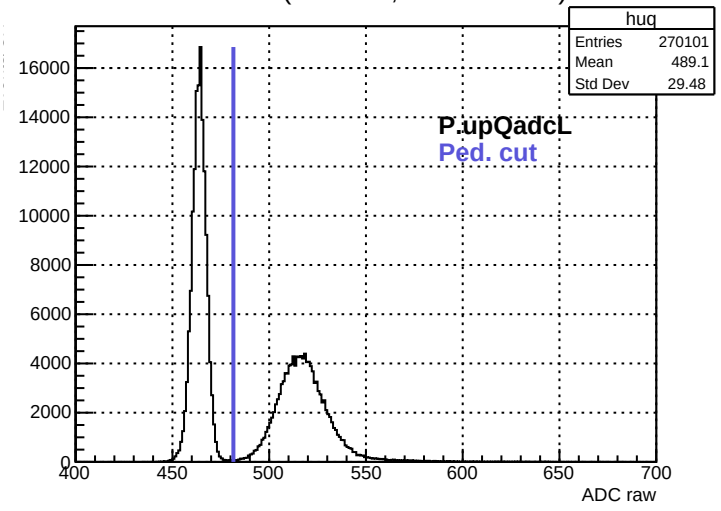

θlab (deg), xCut = -0.106 m
Theta
Entries 131874
Mean 4.766
Std Dev 0.4743
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

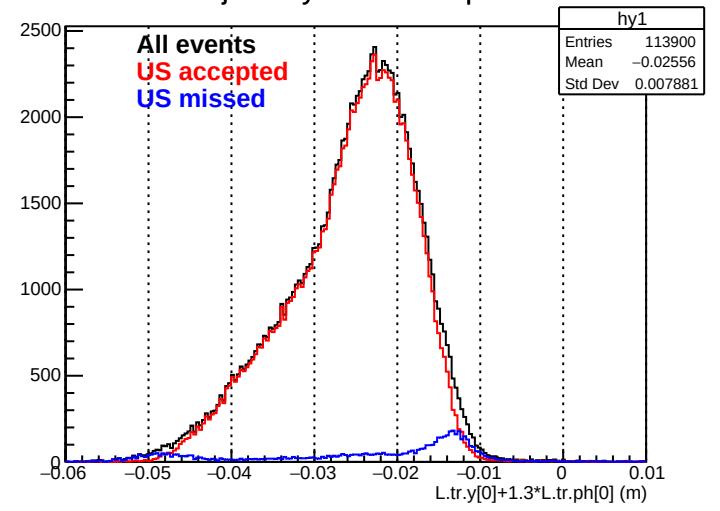

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 131874
Mean 0.5674
Std Dev 0.07945
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

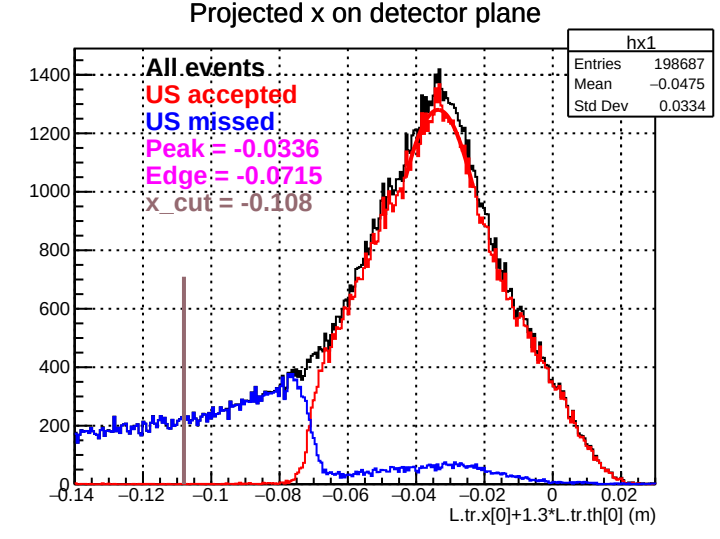

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 131874
Mean 0.5546
Std Dev 0.07552
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

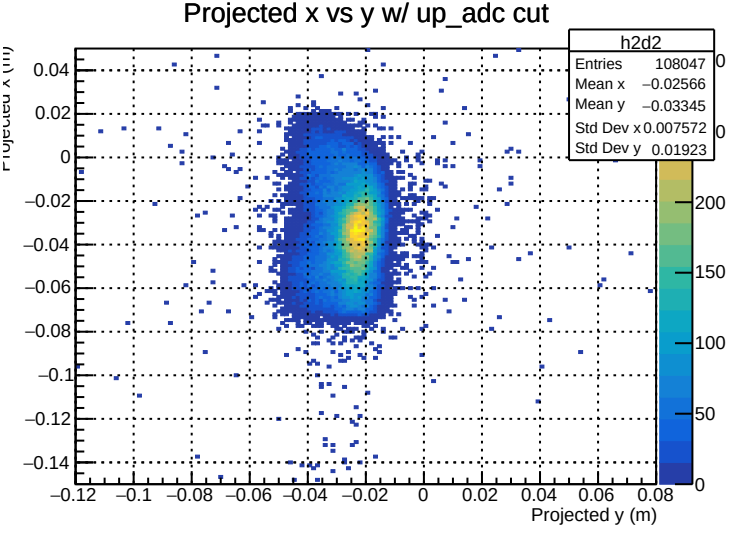

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 131874
Mean 0.006274
Std Dev 0.001281
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

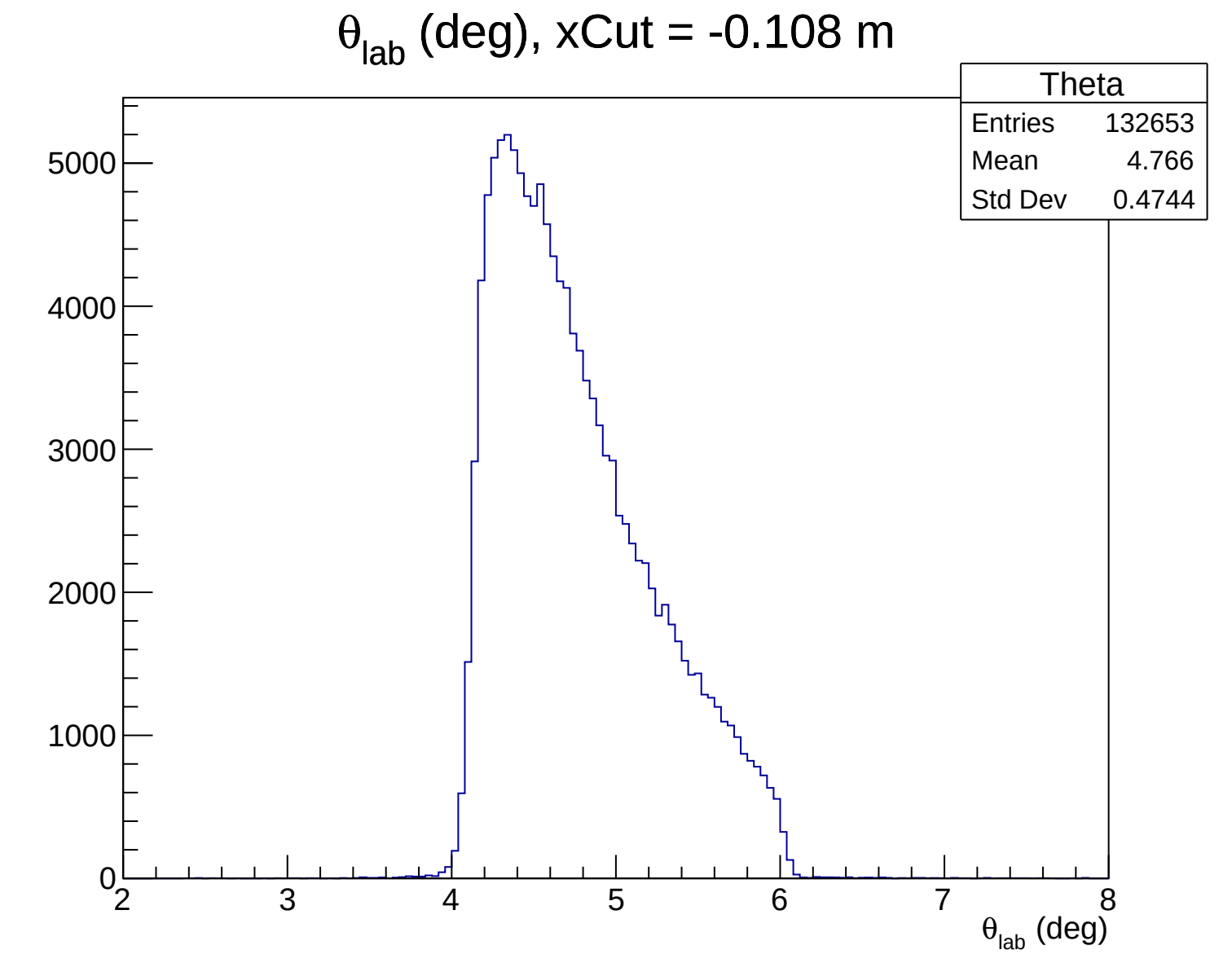

Sensitivity, xCut = -0.106 m
sens
Entries 131874
Mean 0.02203
Std Dev 0.004076
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

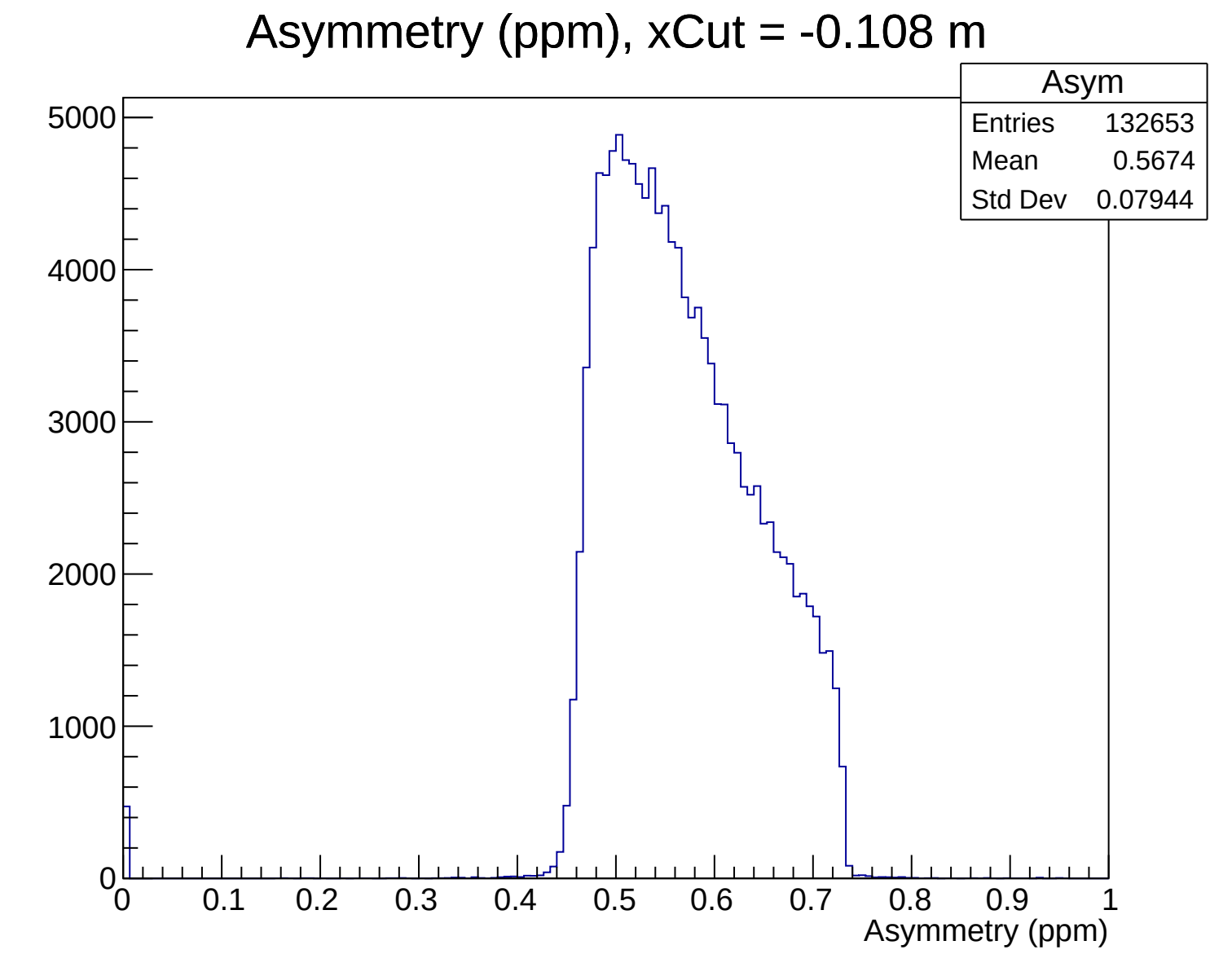

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

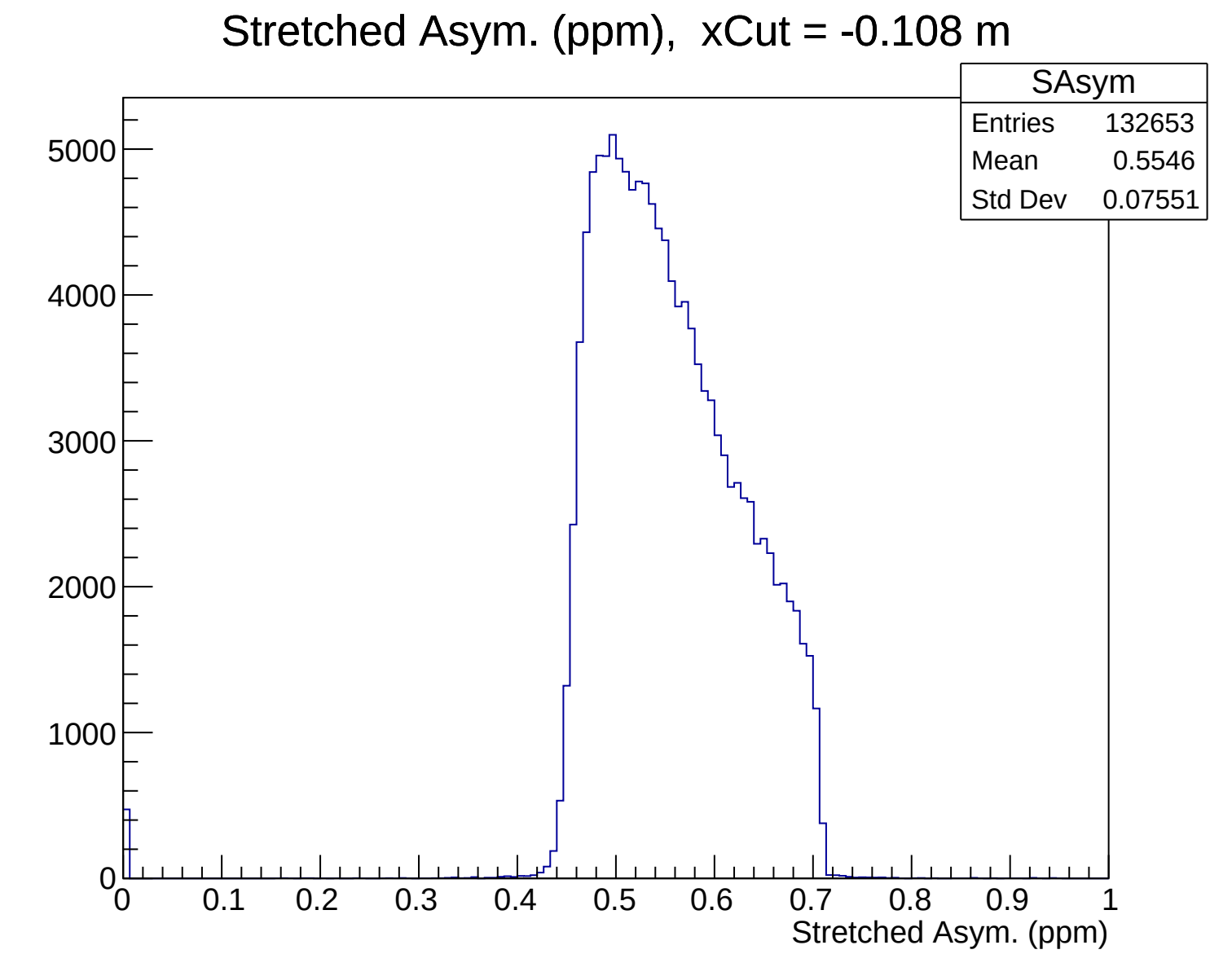

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

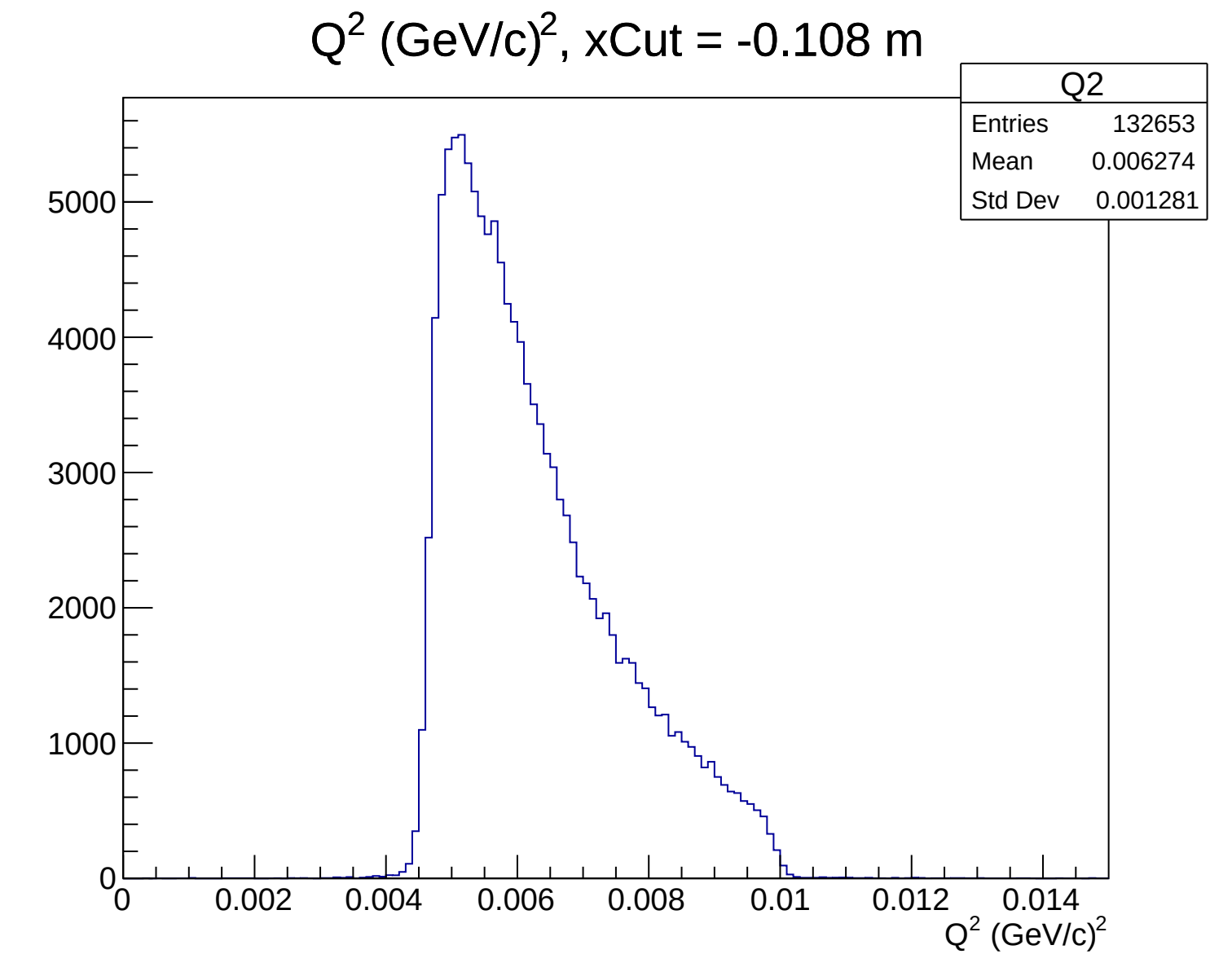

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.108
L.tr.x[0]+1.3*L.tr.th[0] (m)

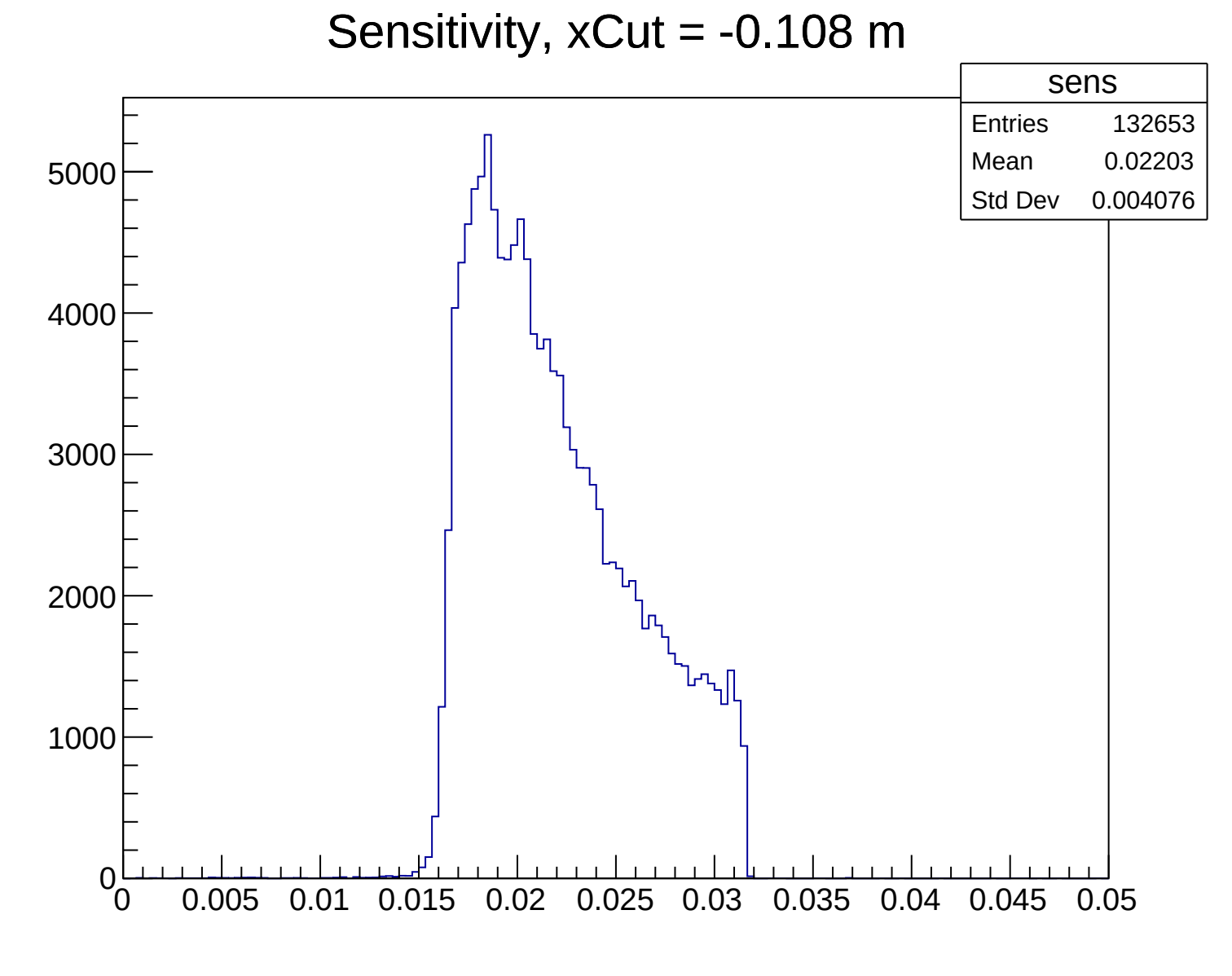

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

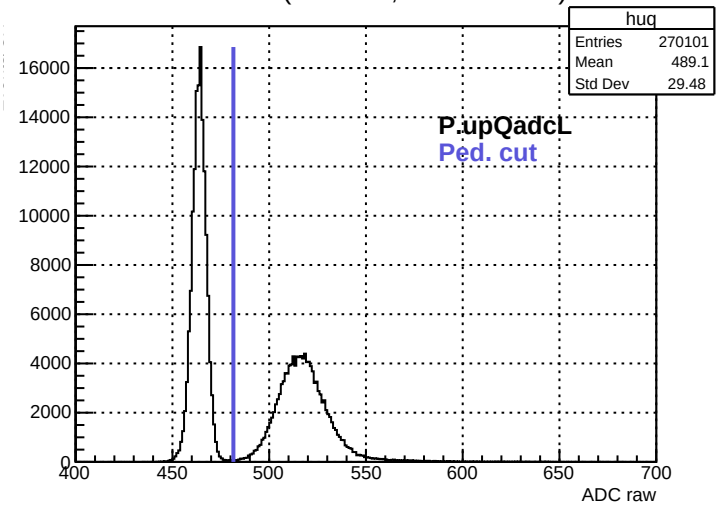

θlab (deg), xCut = -0.108 m
Theta
Entries 132653
Mean 4.766
Std Dev 0.4744
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

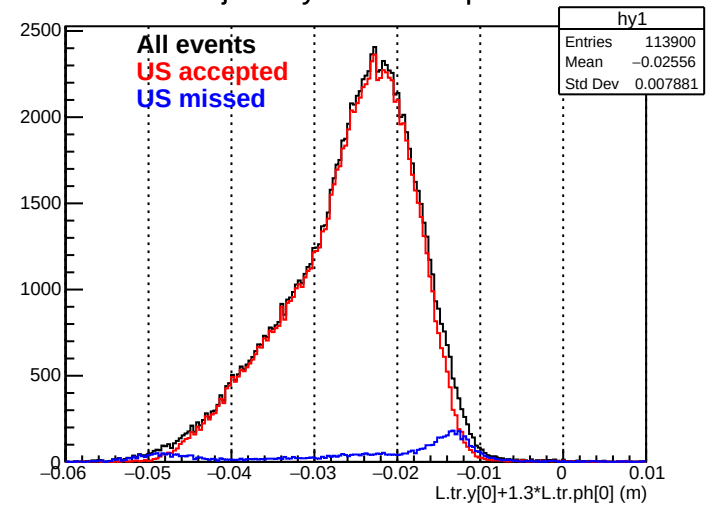

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 132653
Mean 0.5674
Std Dev 0.07944
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

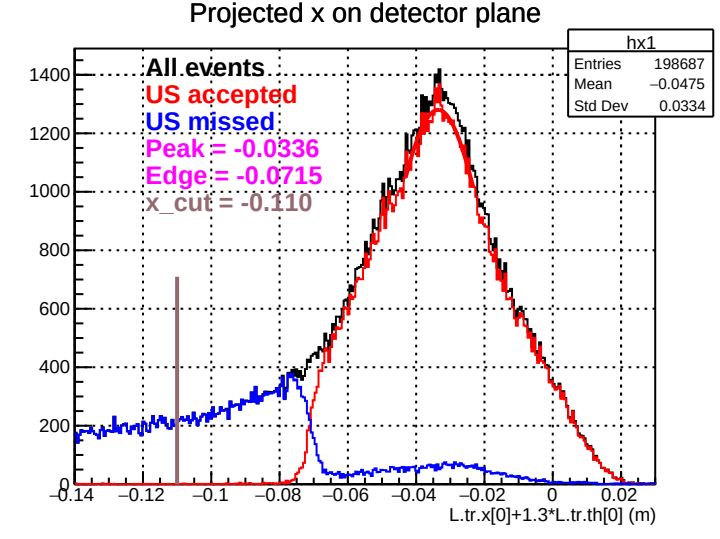

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 132653
Mean 0.5546
Std Dev 0.07551
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

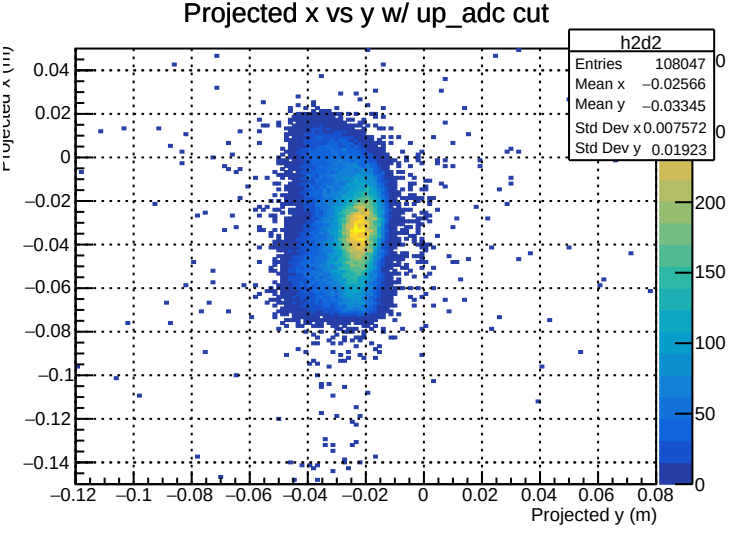

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 132653
Mean 0.006274
Std Dev 0.001281
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

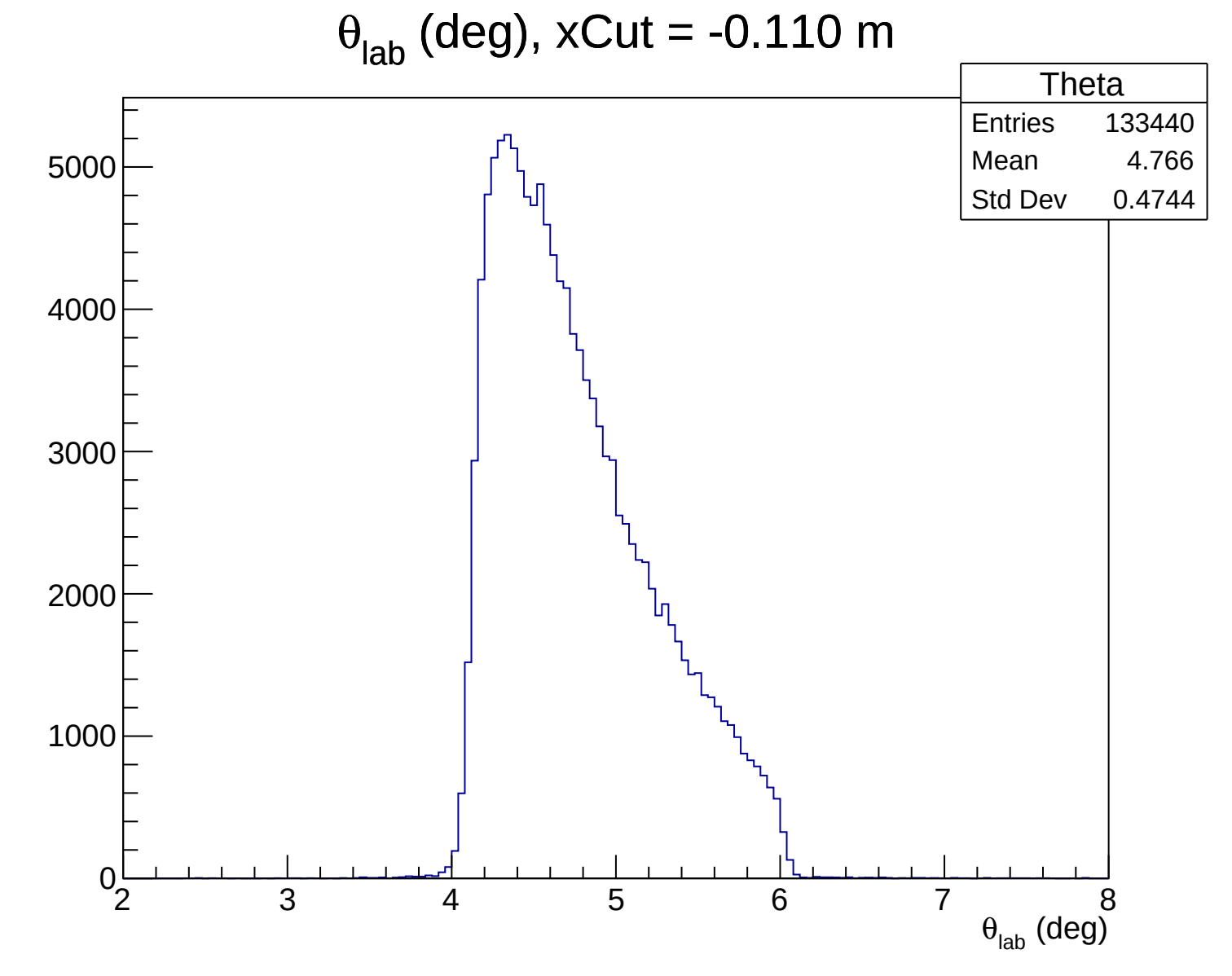

Sensitivity, xCut = -0.108 m
sens
Entries 132653
Mean 0.02203
Std Dev 0.004076
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

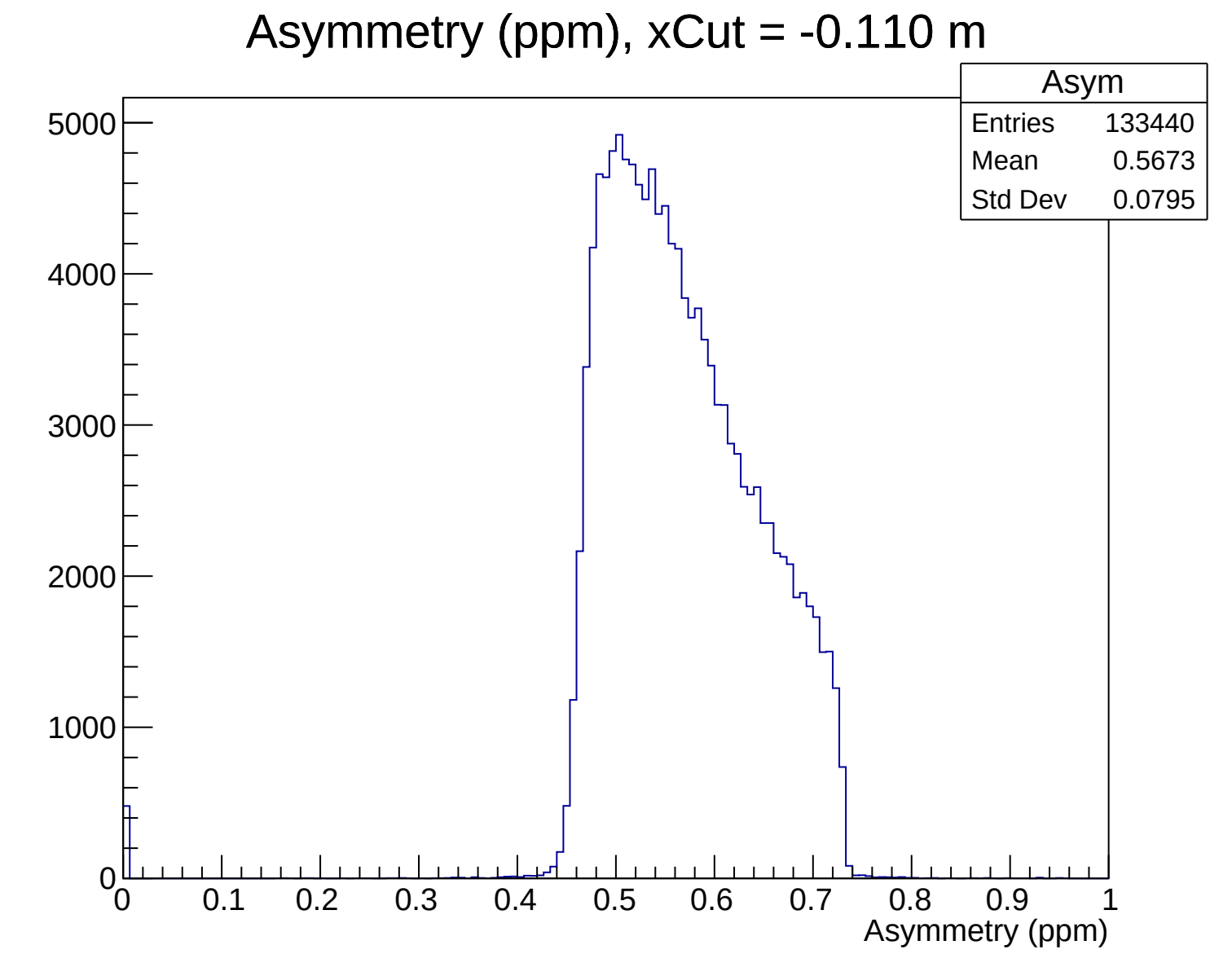

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

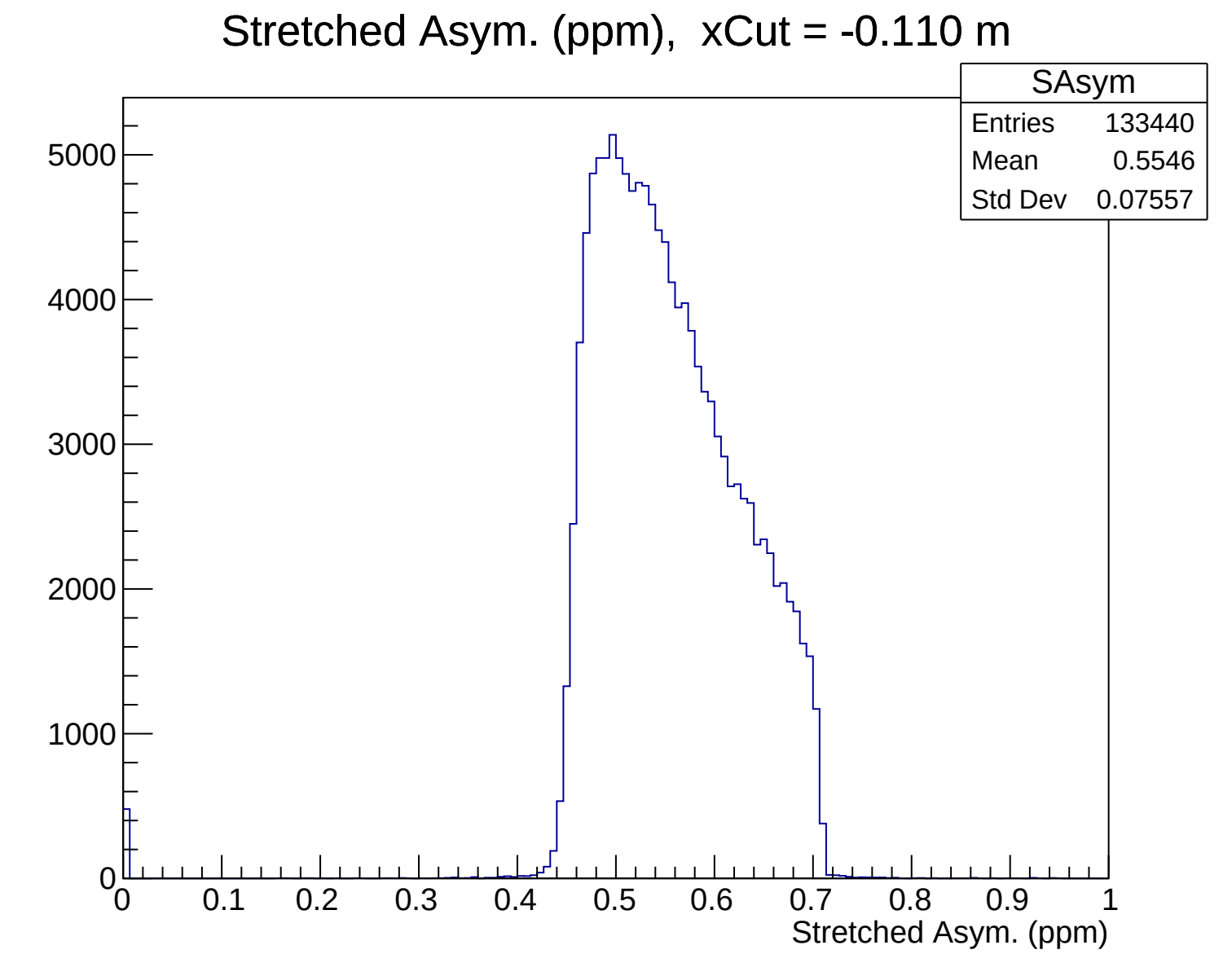

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

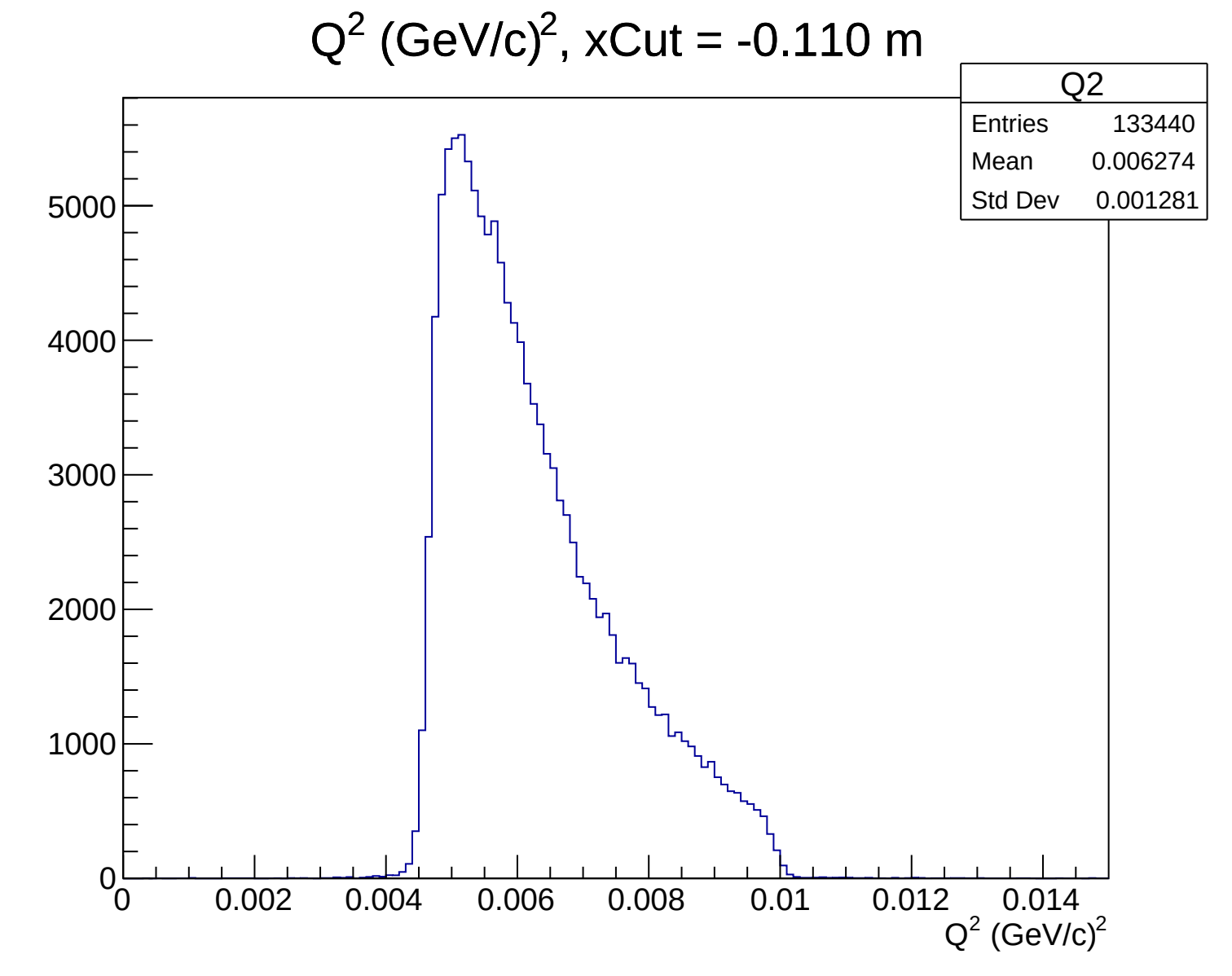

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.110
L.tr.x[0]+1.3*L.tr.th[0] (m)

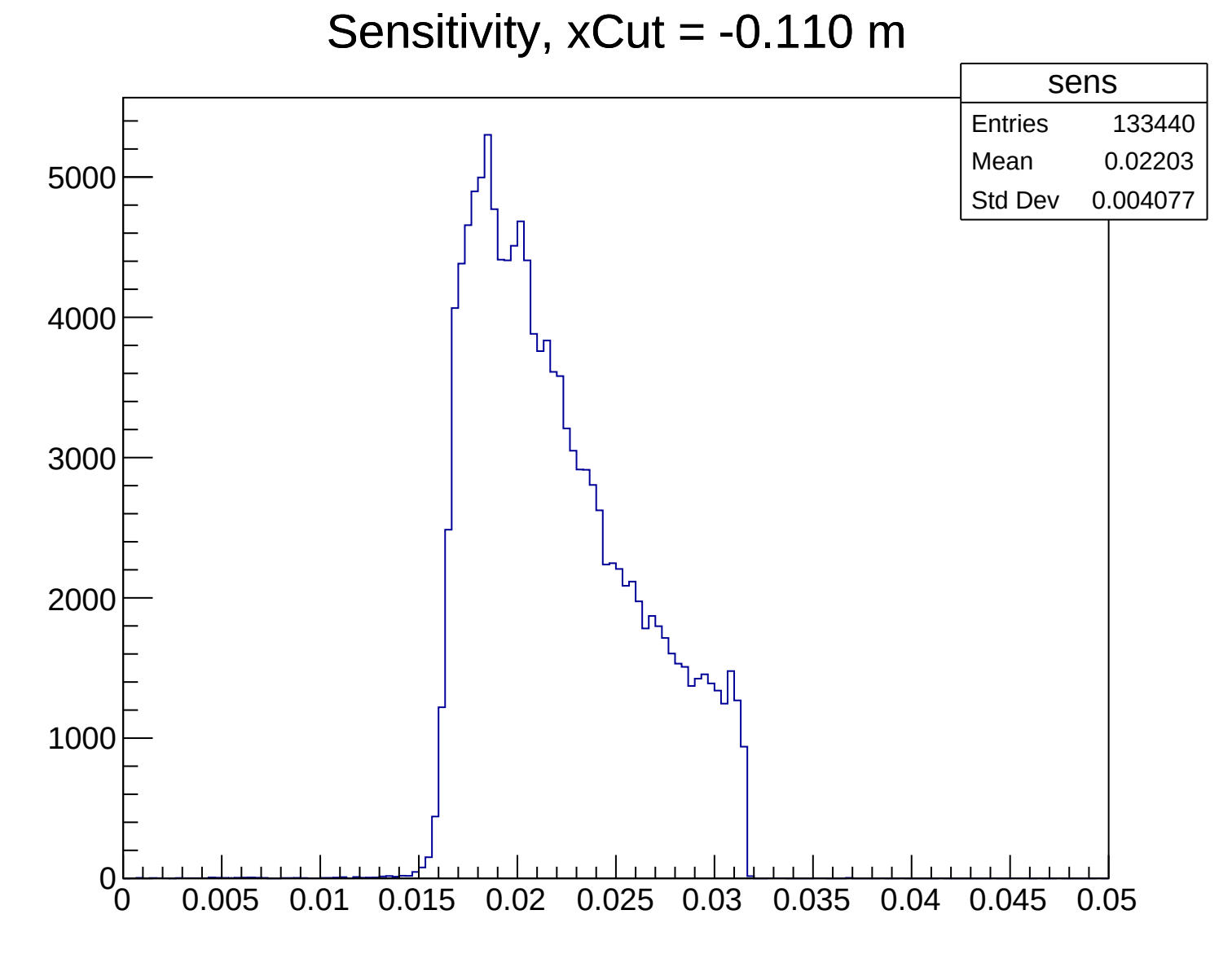

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

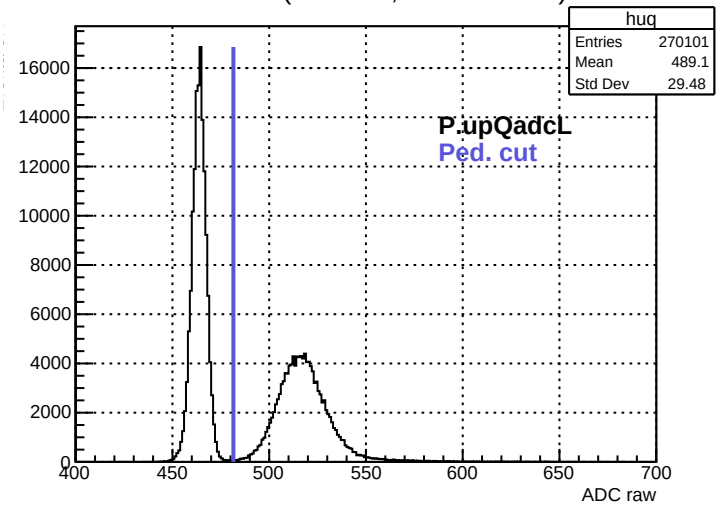

θlab (deg), xCut = -0.110 m
Theta
Entries 133440
Mean 4.766
Std Dev 0.4744
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

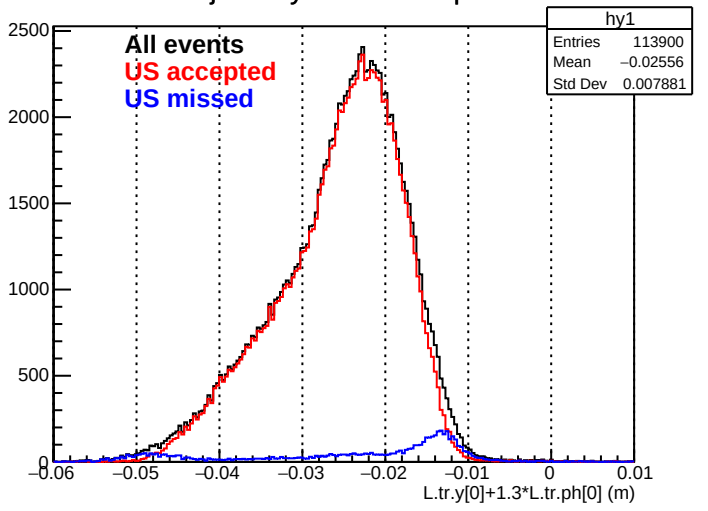

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 133440
Mean 0.5673
Std Dev 0.0795
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

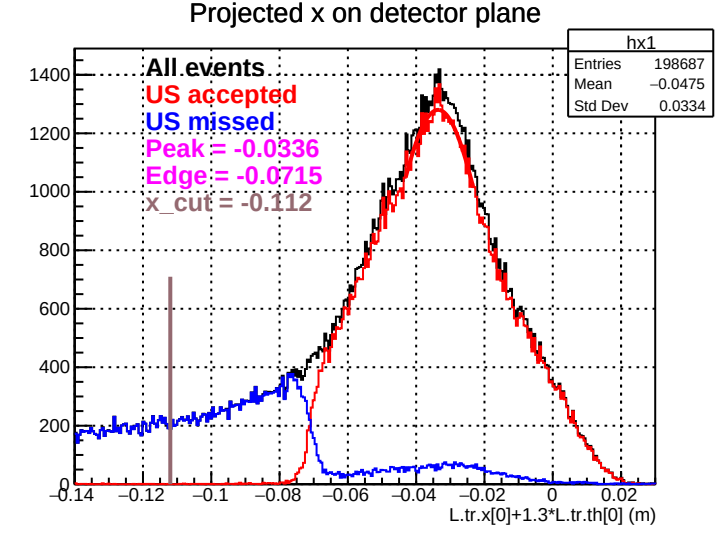

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 133440
Mean 0.5546
Std Dev 0.07557
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

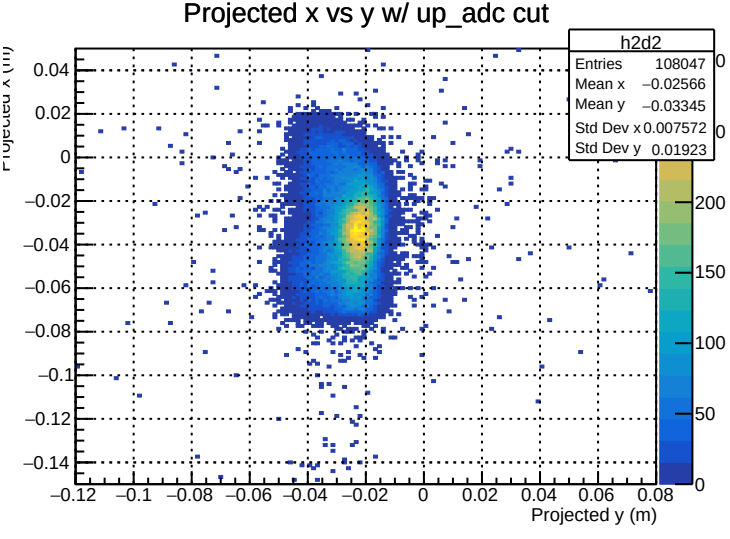

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 133440
Mean 0.006274
Std Dev 0.001281
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

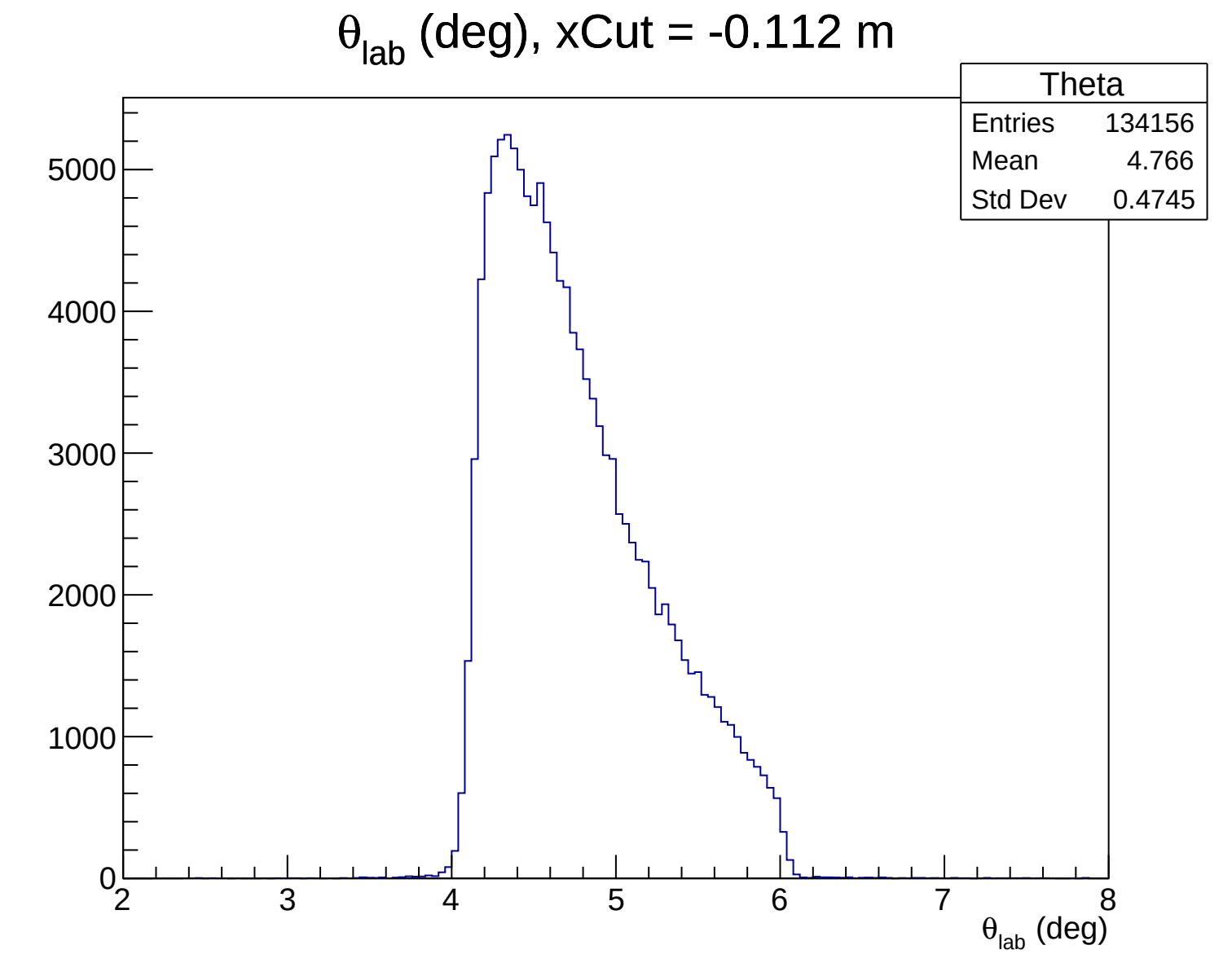

Sensitivity, xCut = -0.110 m
sens
Entries 133440
Mean 0.02203
Std Dev 0.004077
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

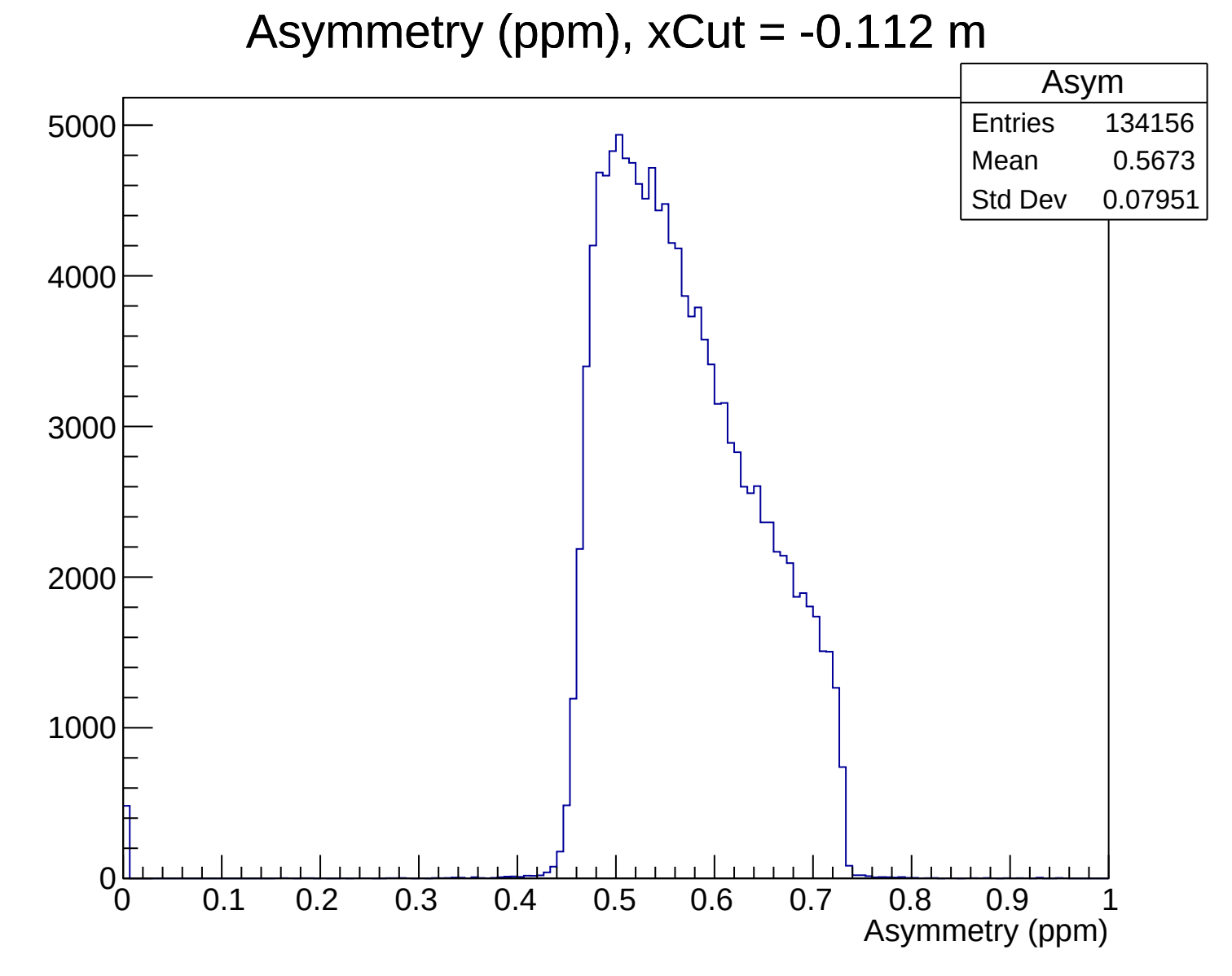

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

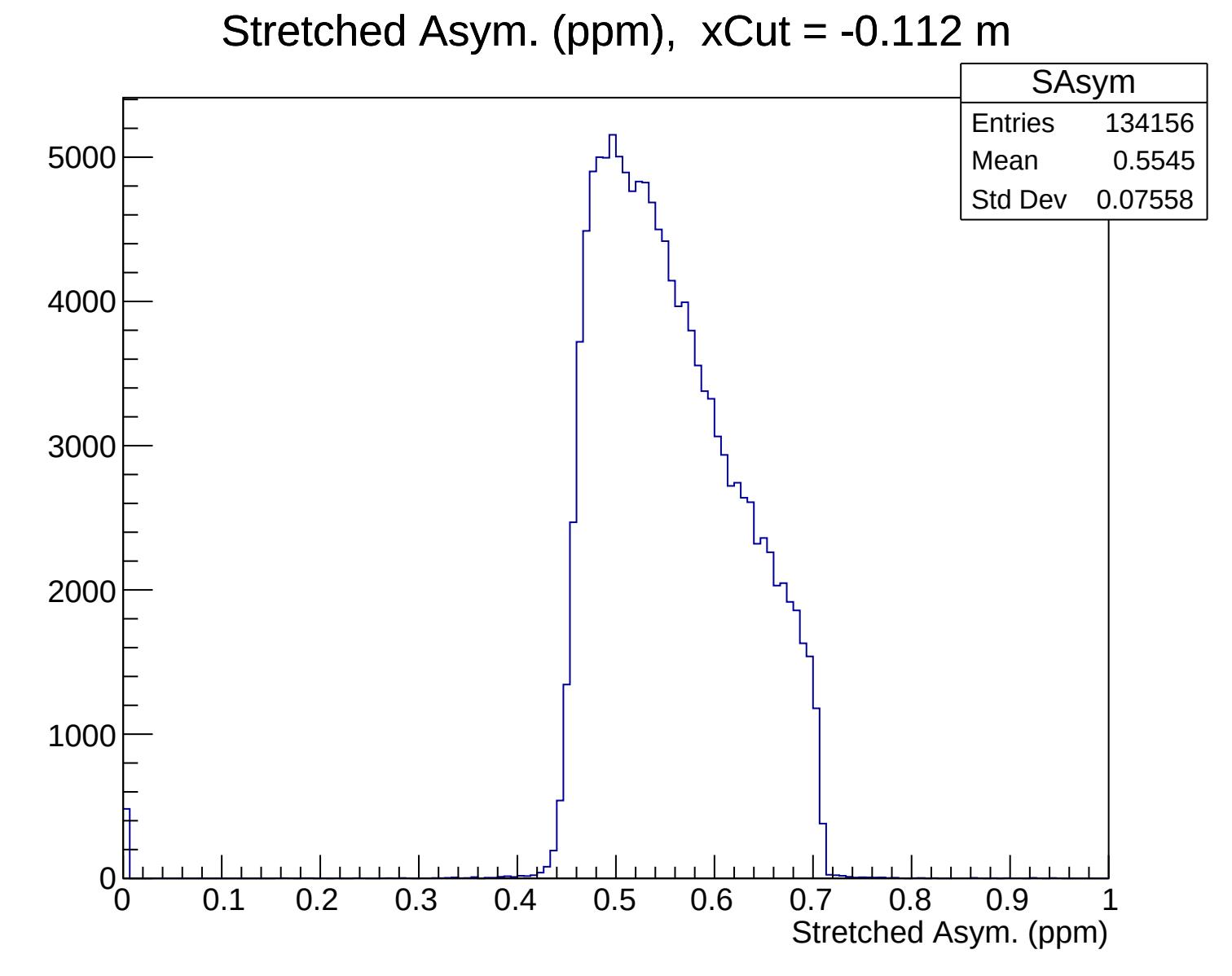

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

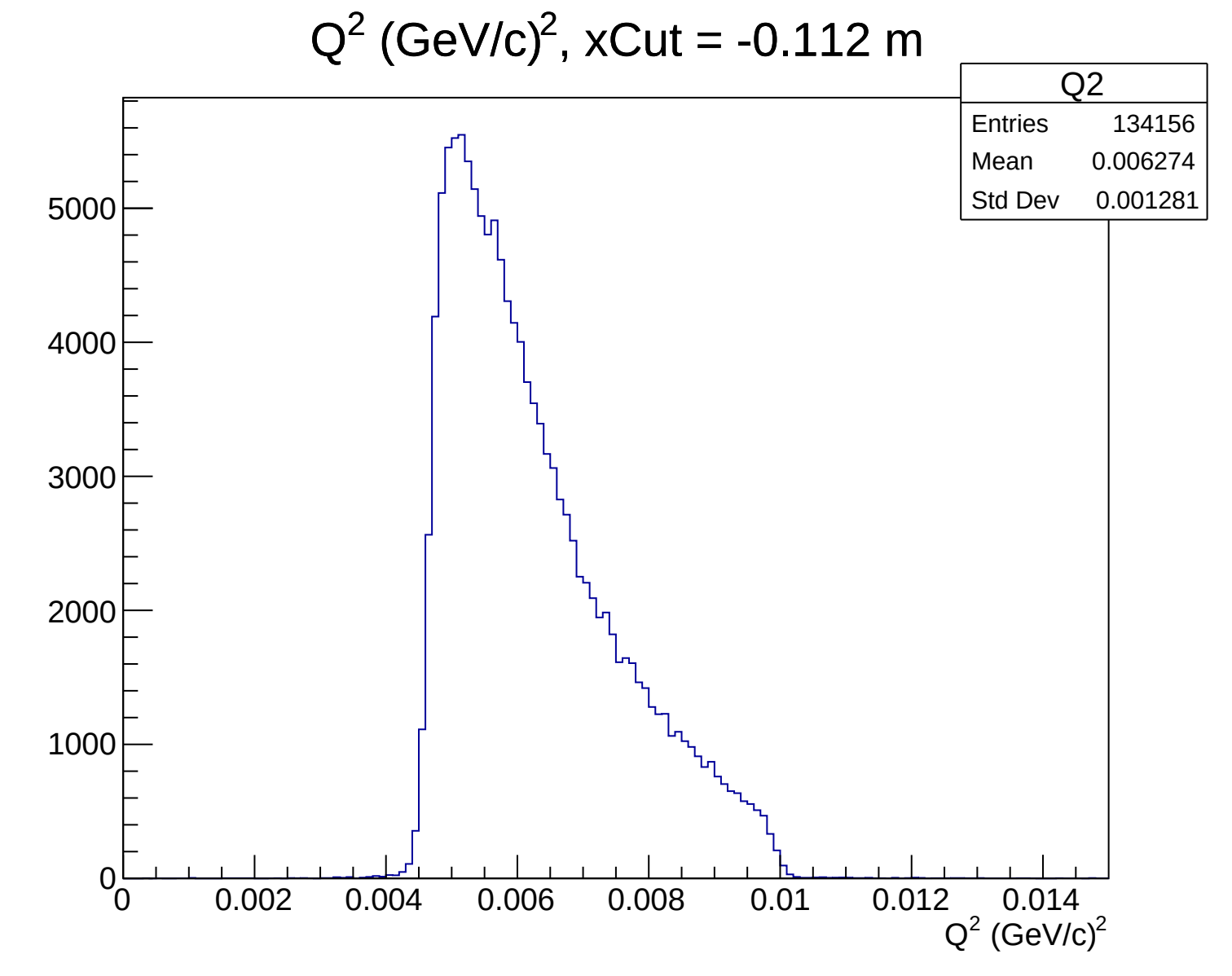

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.112
L.tr.x[0]+1.3*L.tr.th[0] (m)

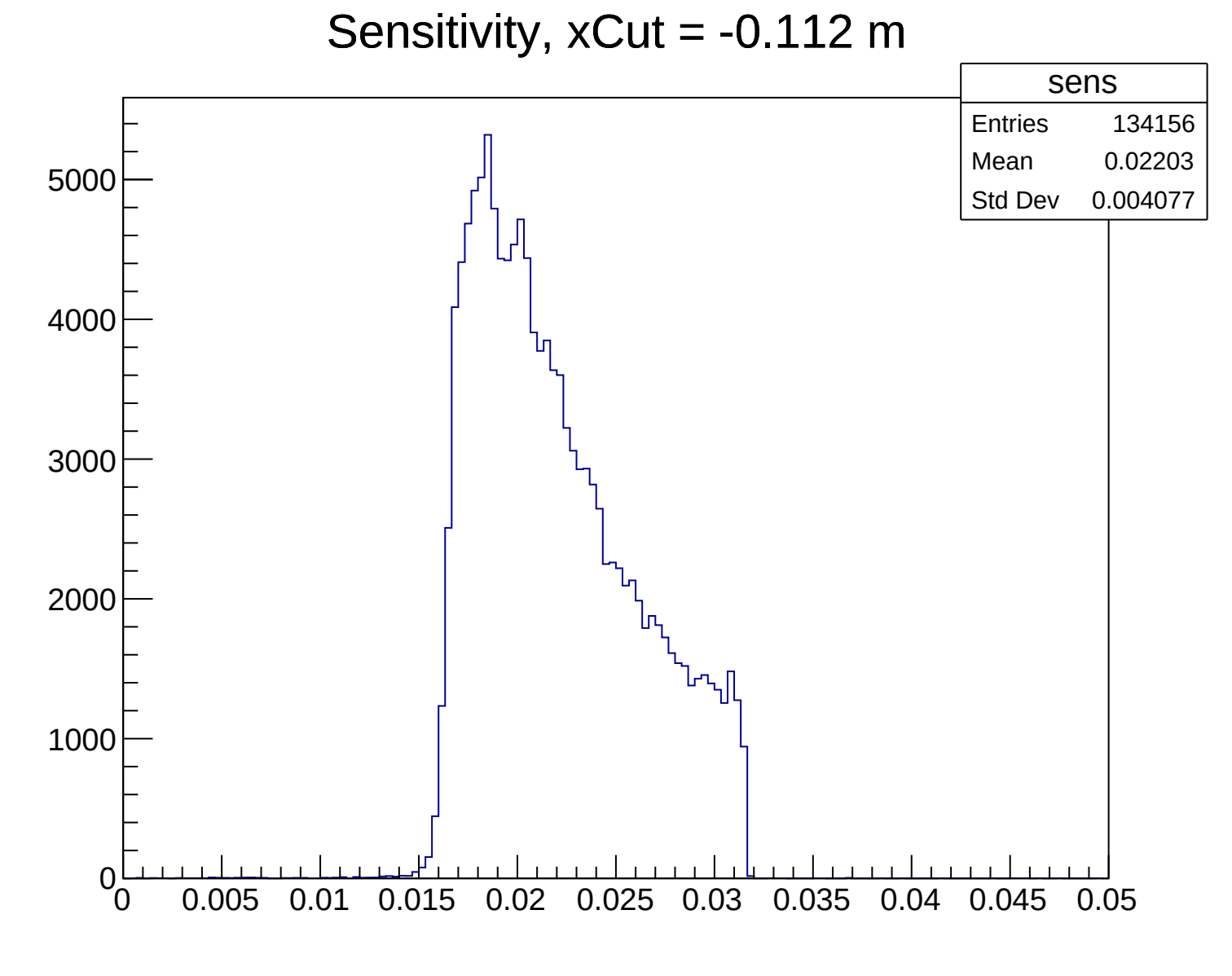

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

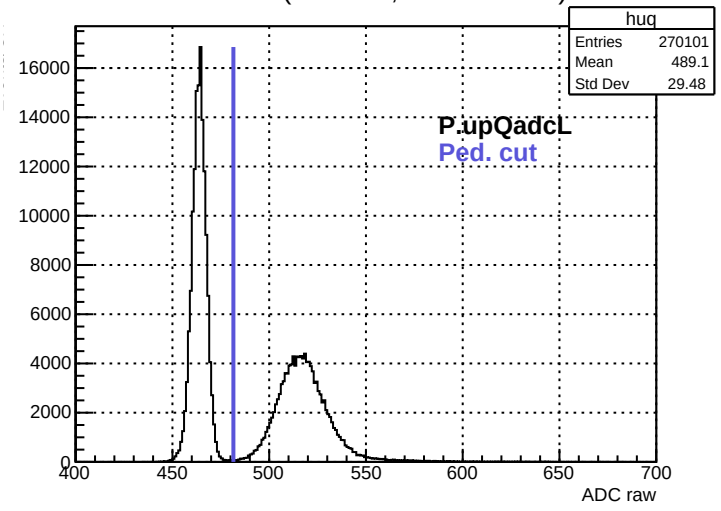

θlab (deg), xCut = -0.112 m
Theta
Entries 134156
Mean 4.766
Std Dev 0.4745
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

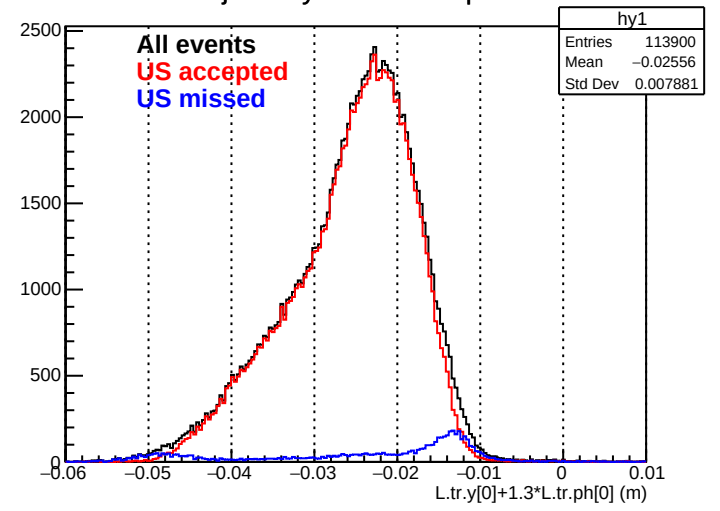

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 134156
Mean 0.5673
Std Dev 0.07951
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

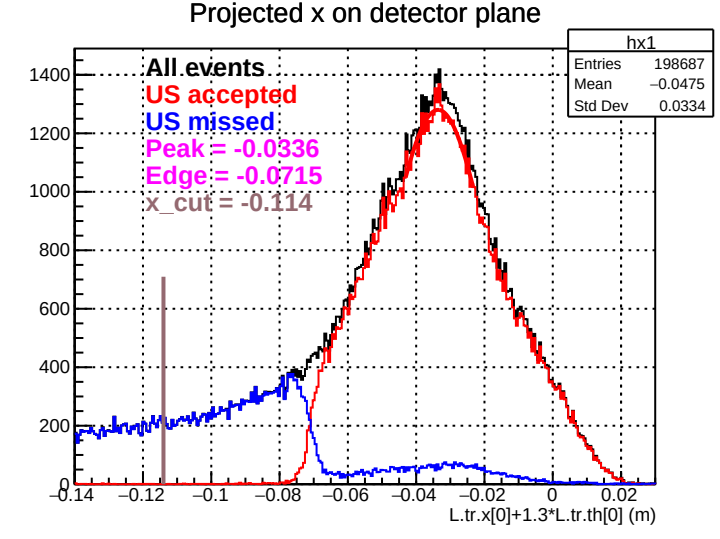

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 134156
Mean 0.5545
Std Dev 0.07558
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

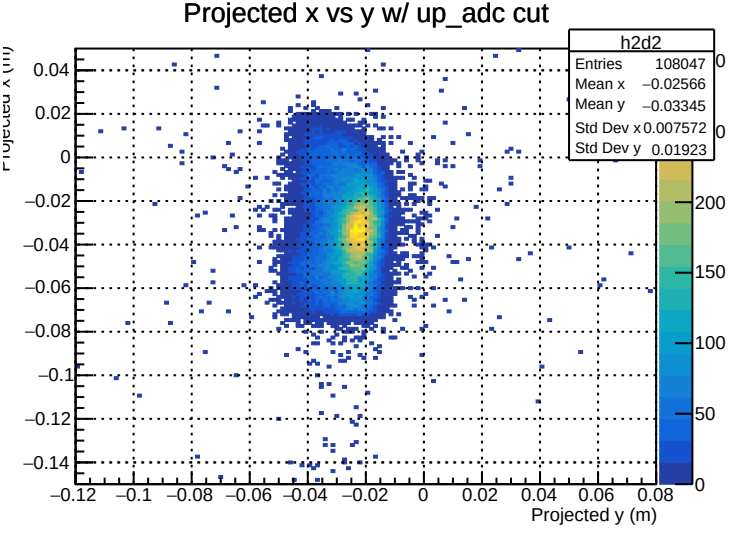

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 134156
Mean 0.006274
Std Dev 0.001281
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

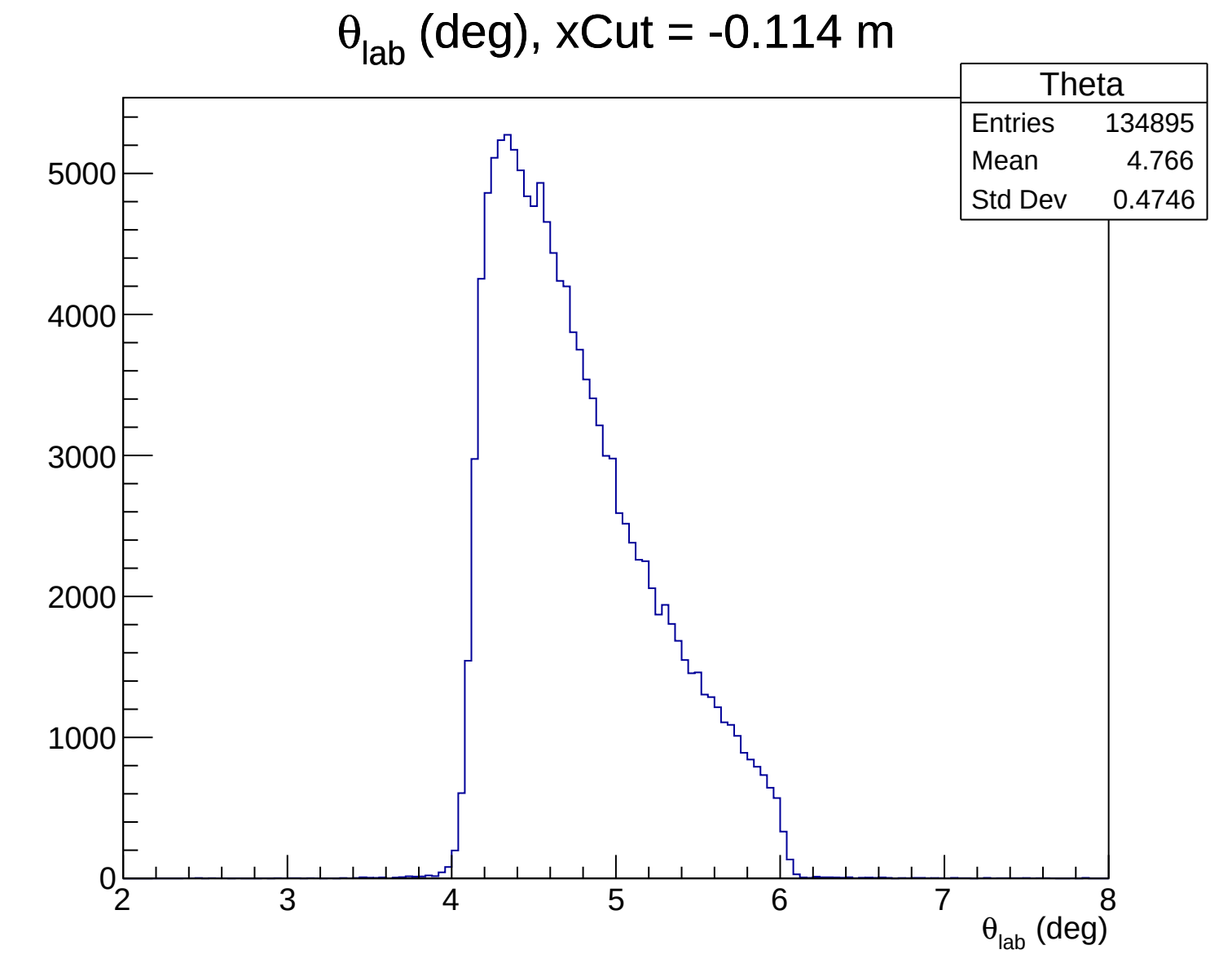

Sensitivity, xCut = -0.112 m
sens
Entries 134156
Mean 0.02203
Std Dev 0.004077
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

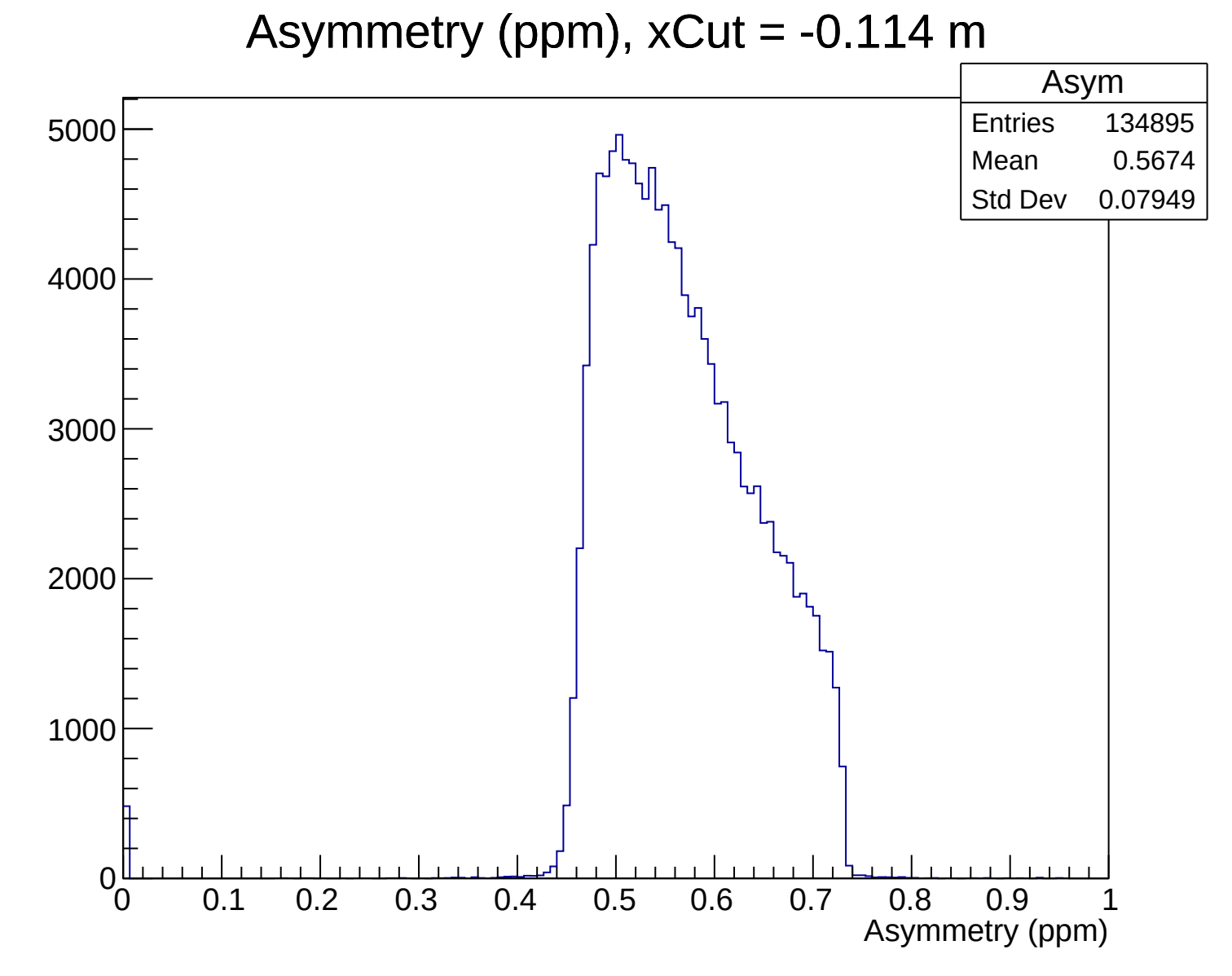

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

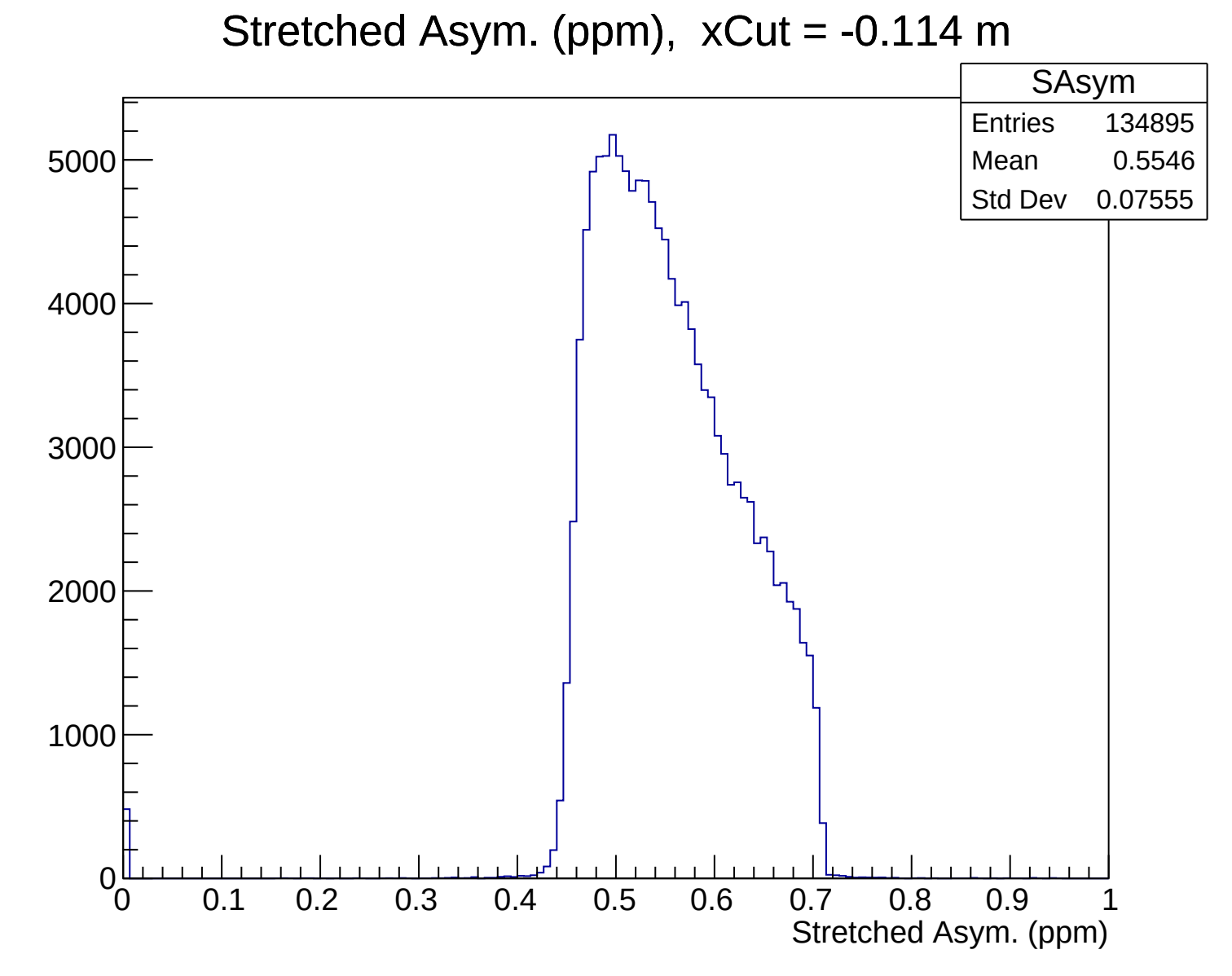

Projected y on detector plane
hy1
Entries 113900
Mean −0.02556
Std Dev 0.007881
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

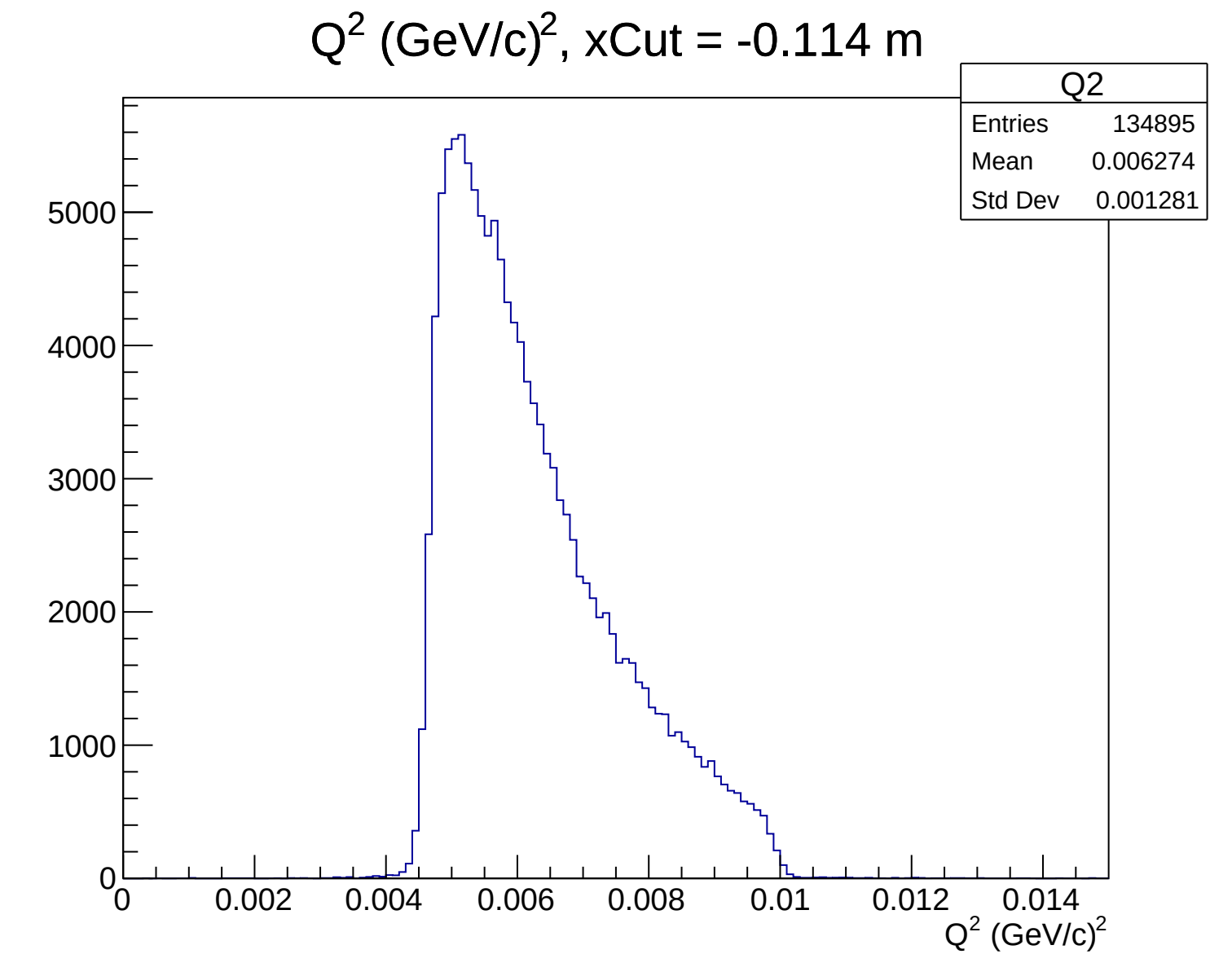

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

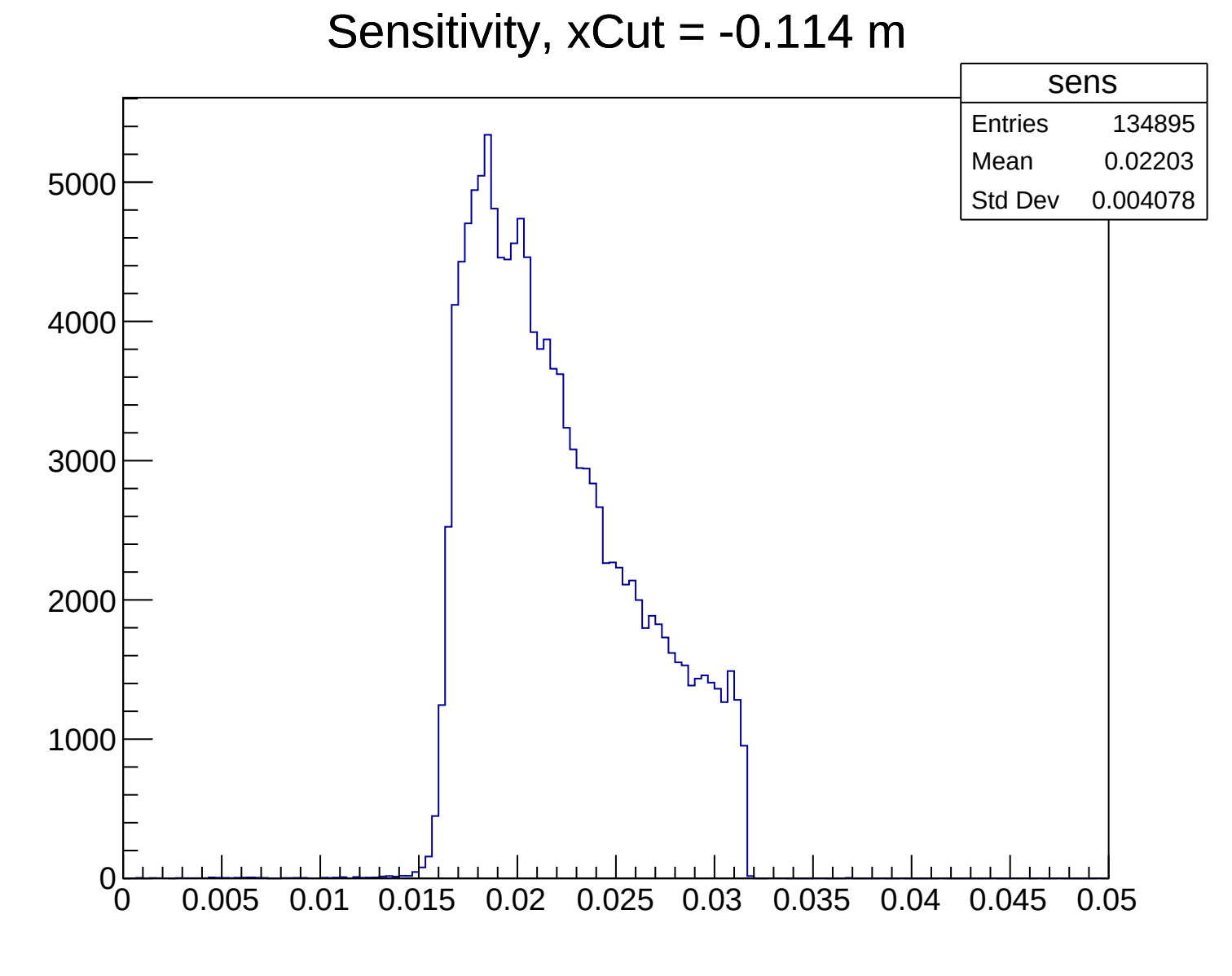

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 134895
Mean 4.766
Std Dev 0.4746
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 134895
Mean 0.5674
Std Dev 0.07949
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 134895
Mean 0.5546
Std Dev 0.07555
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 134895
Mean 0.006274
Std Dev 0.001281
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 134895
Mean 0.02203
Std Dev 0.004078
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