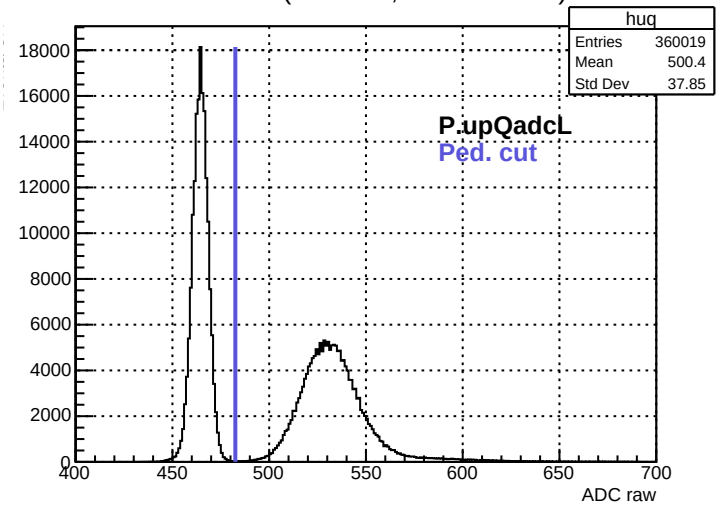
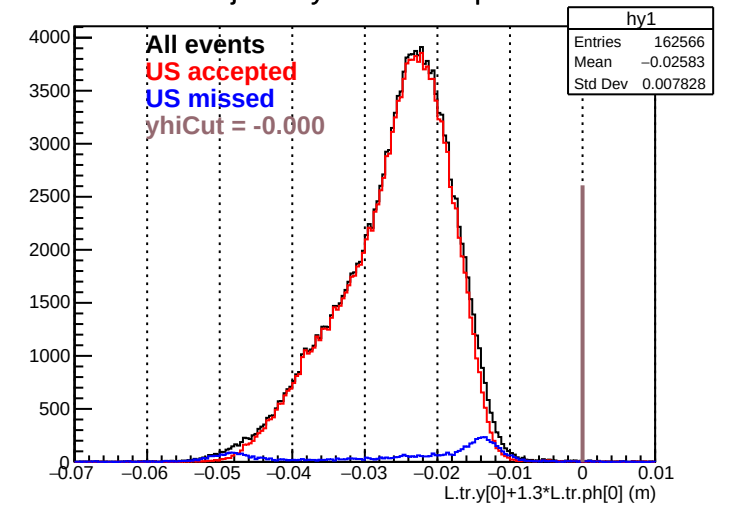
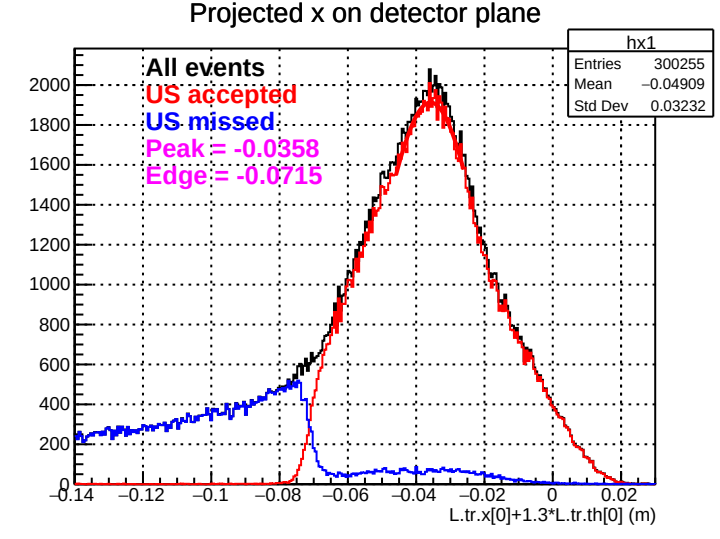
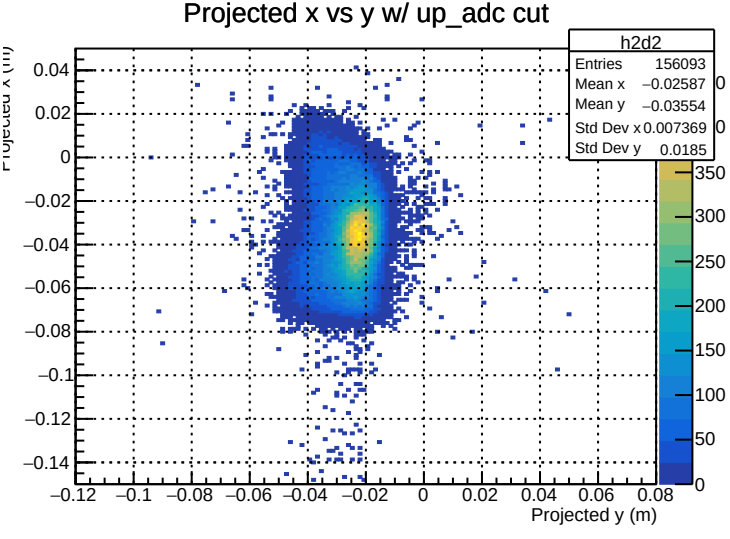
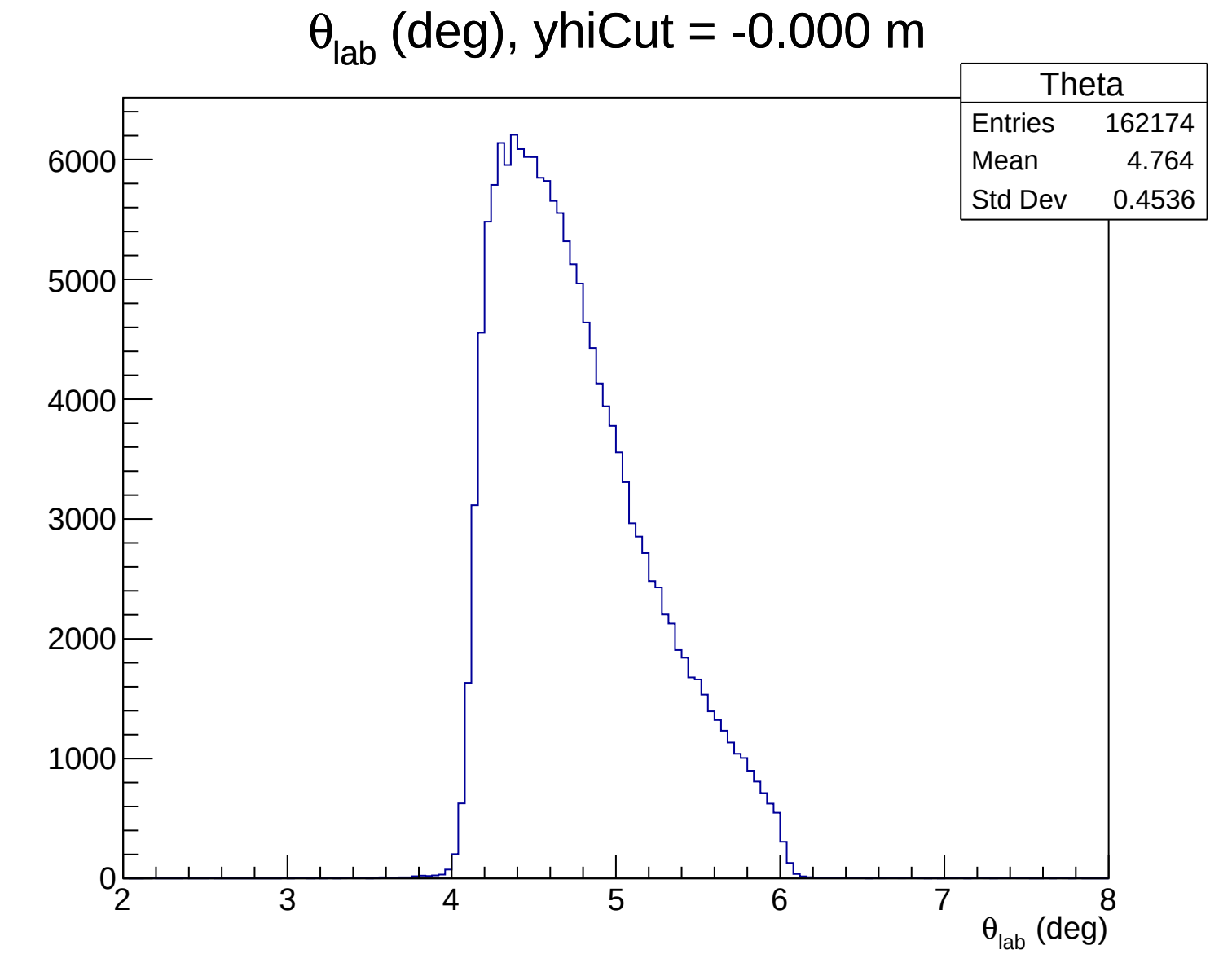
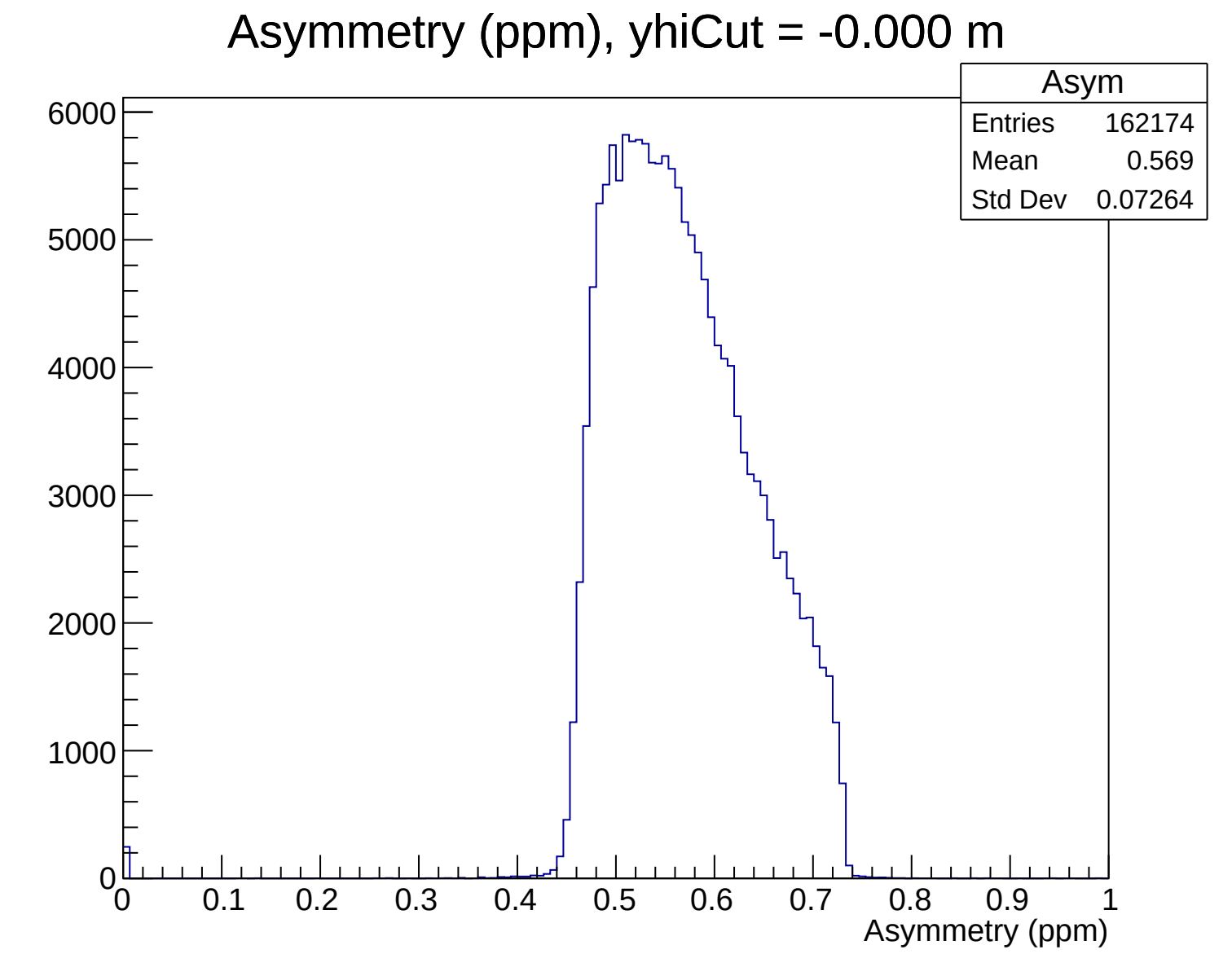

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

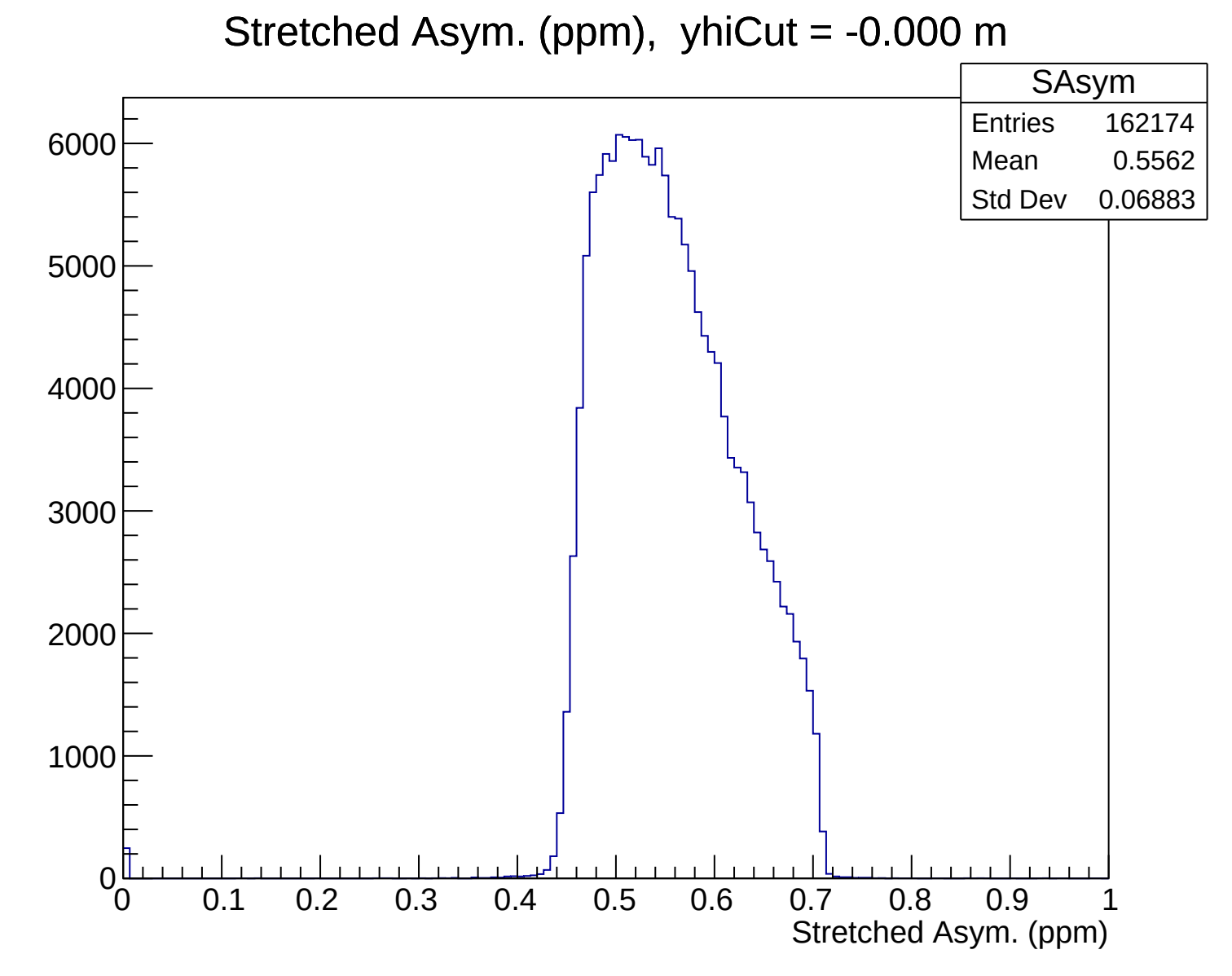

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.000
L.tr.y[0]+1.3*L.tr.ph[0] (m)

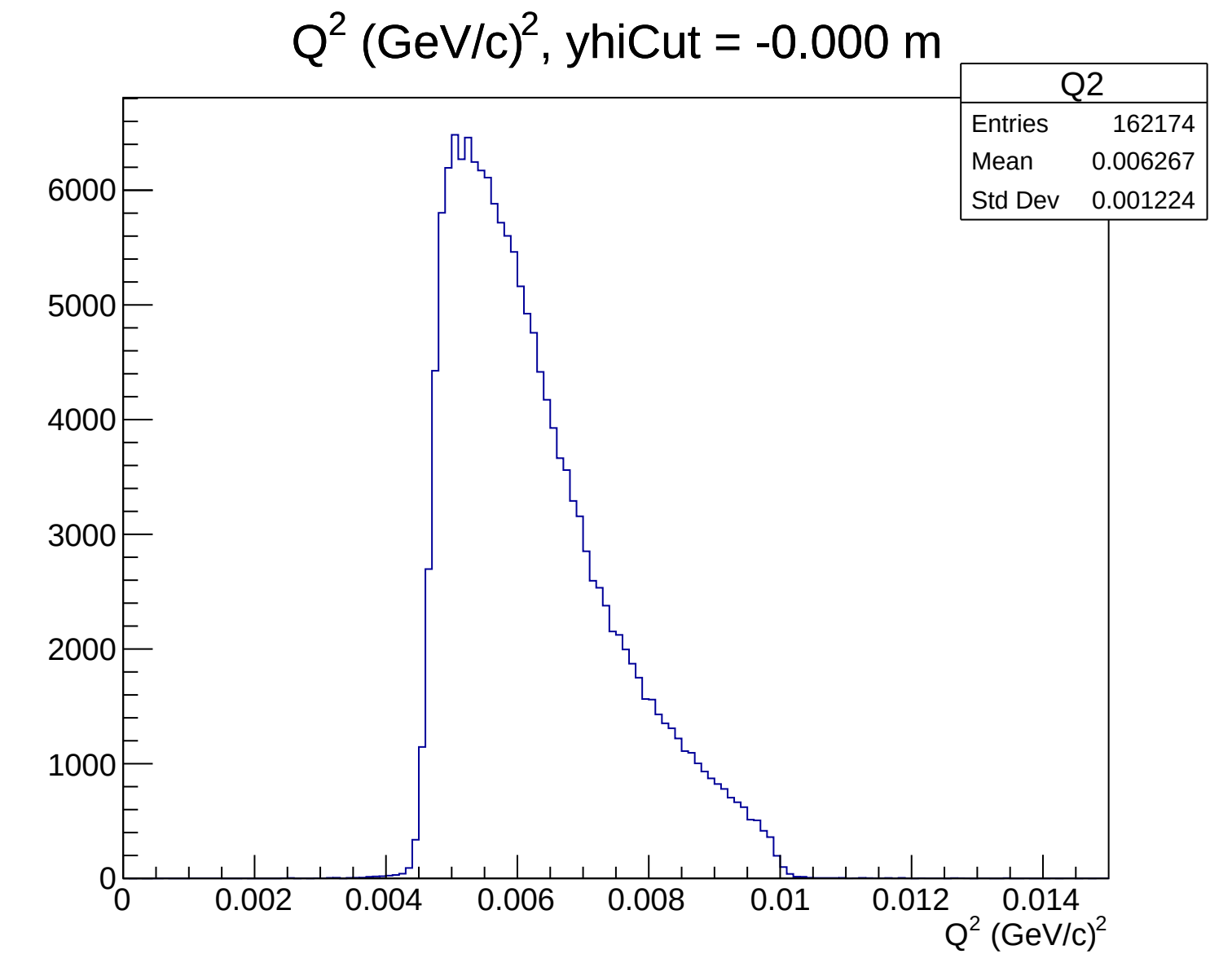

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

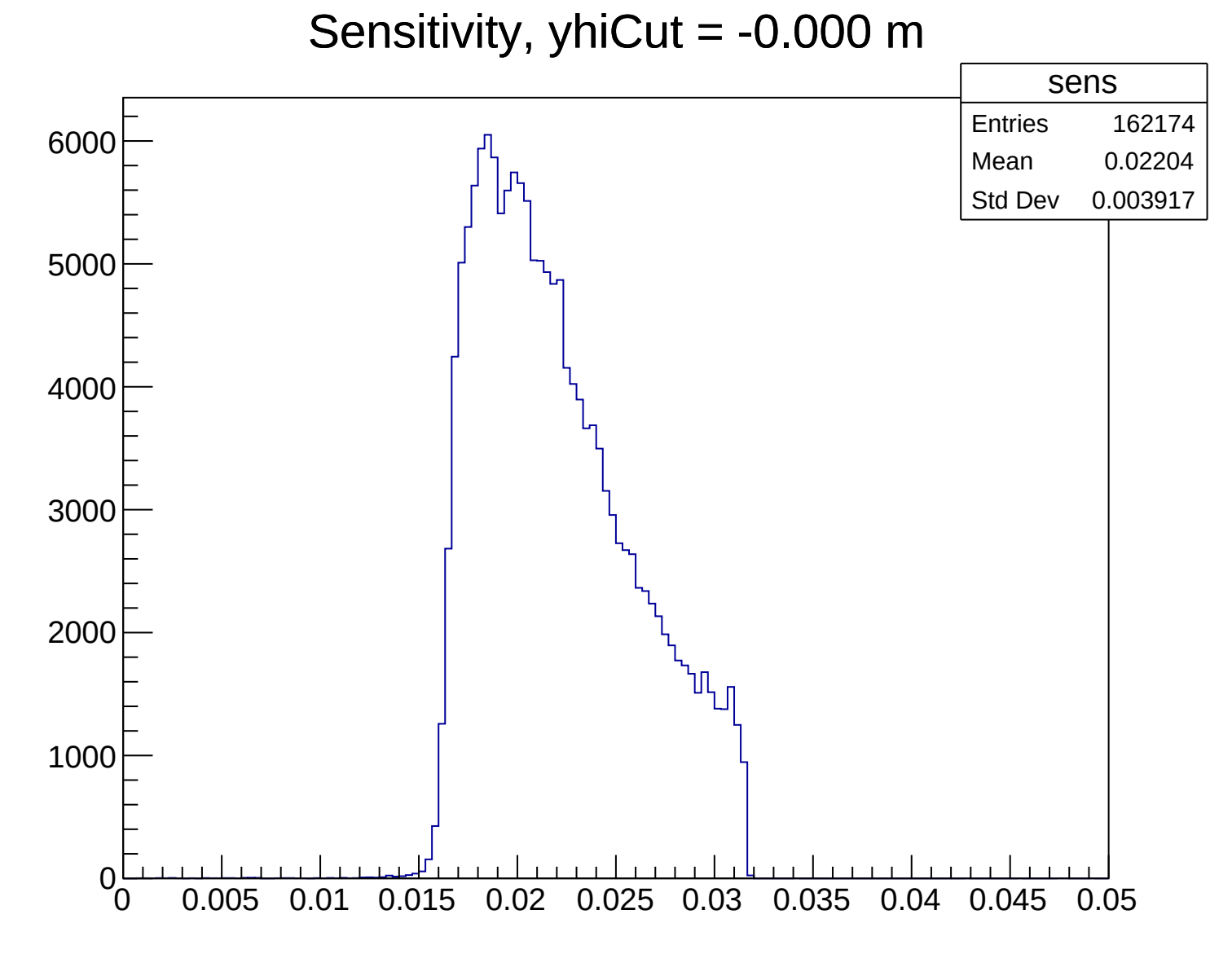

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

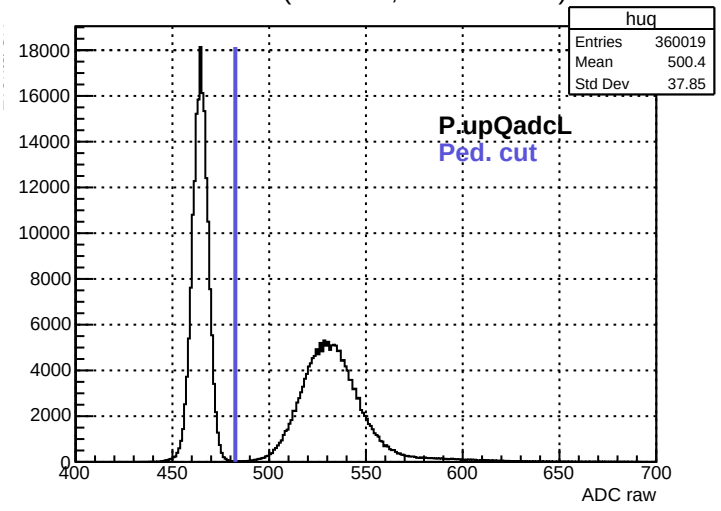

θlab (deg), yhiCut = -0.000 m
Theta
Entries 162174
Mean 4.764
Std Dev 0.4536
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

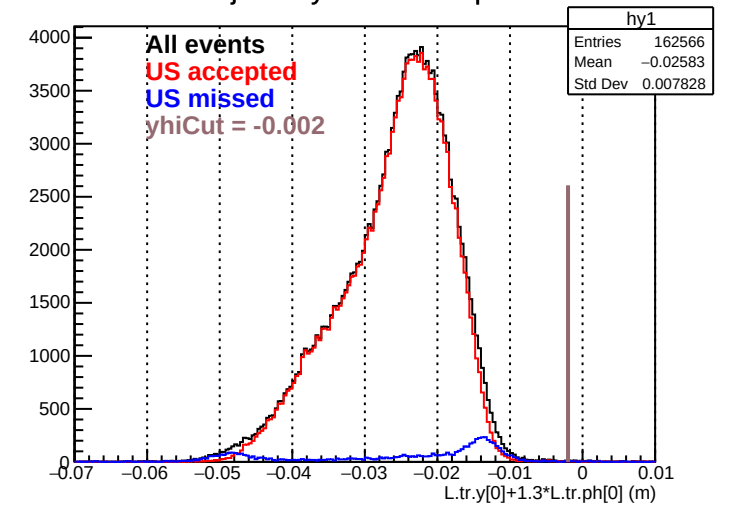

Asymmetry (ppm), yhiCut = -0.000 m
Asym
Entries 162174
Mean 0.569
Std Dev 0.07264
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

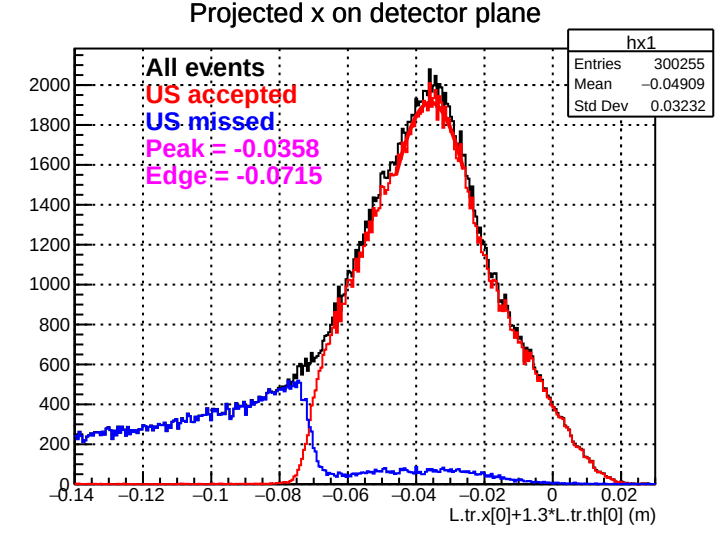

Stretched Asym. (ppm), yhiCut = -0.000 m
SAsym
Entries 162174
Mean 0.5562
Std Dev 0.06883
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

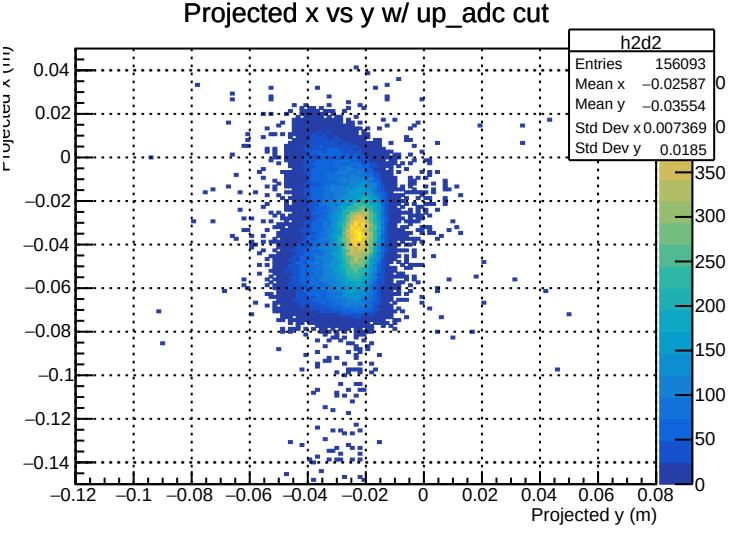

Q^2 (GeV/c)^2, yhiCut = -0.000 m
Q2
Entries 162174
Mean 0.006267
Std Dev 0.001224
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

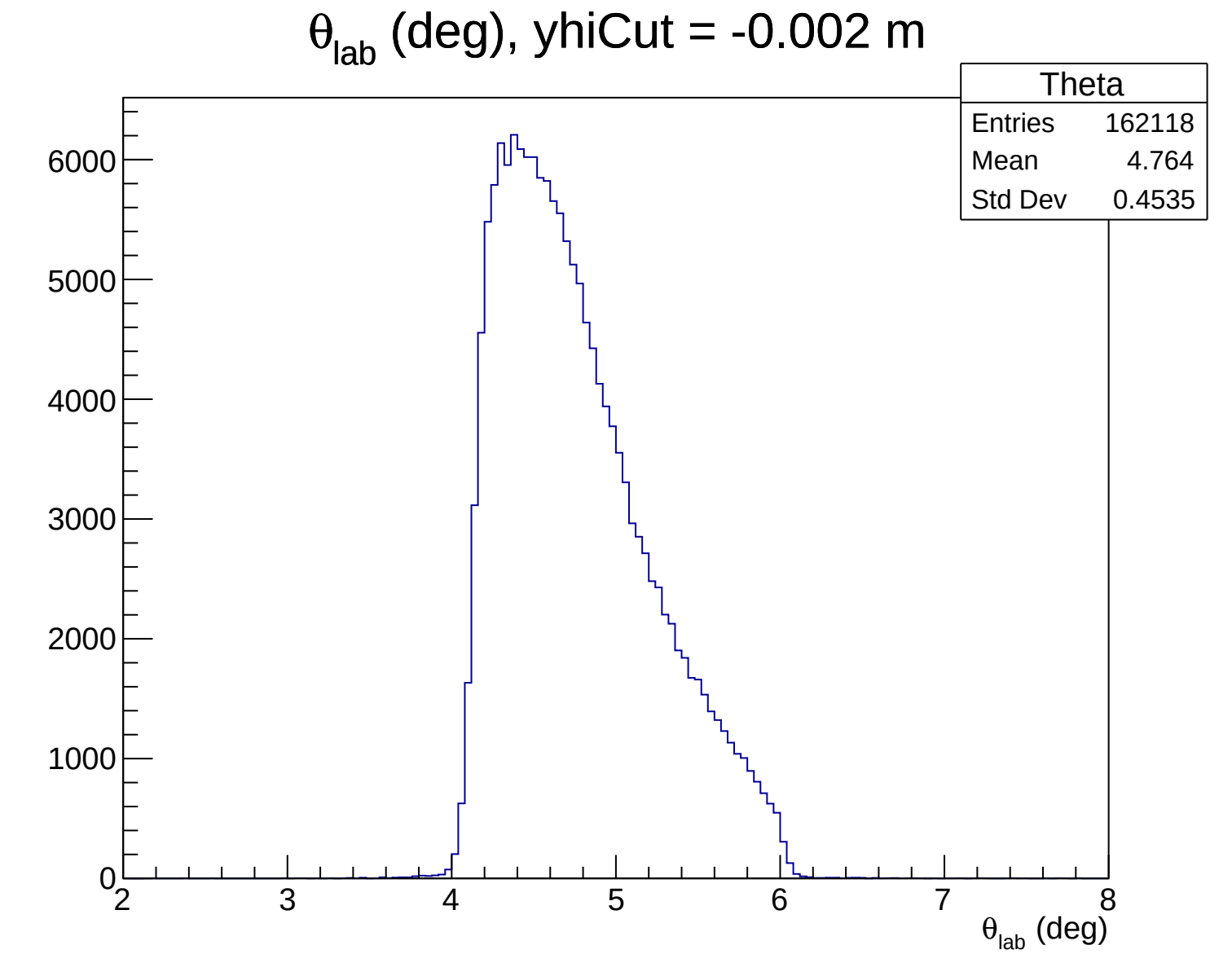

Sensitivity, yhiCut = -0.000 m
sens
Entries 162174
Mean 0.02204
Std Dev 0.003917
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

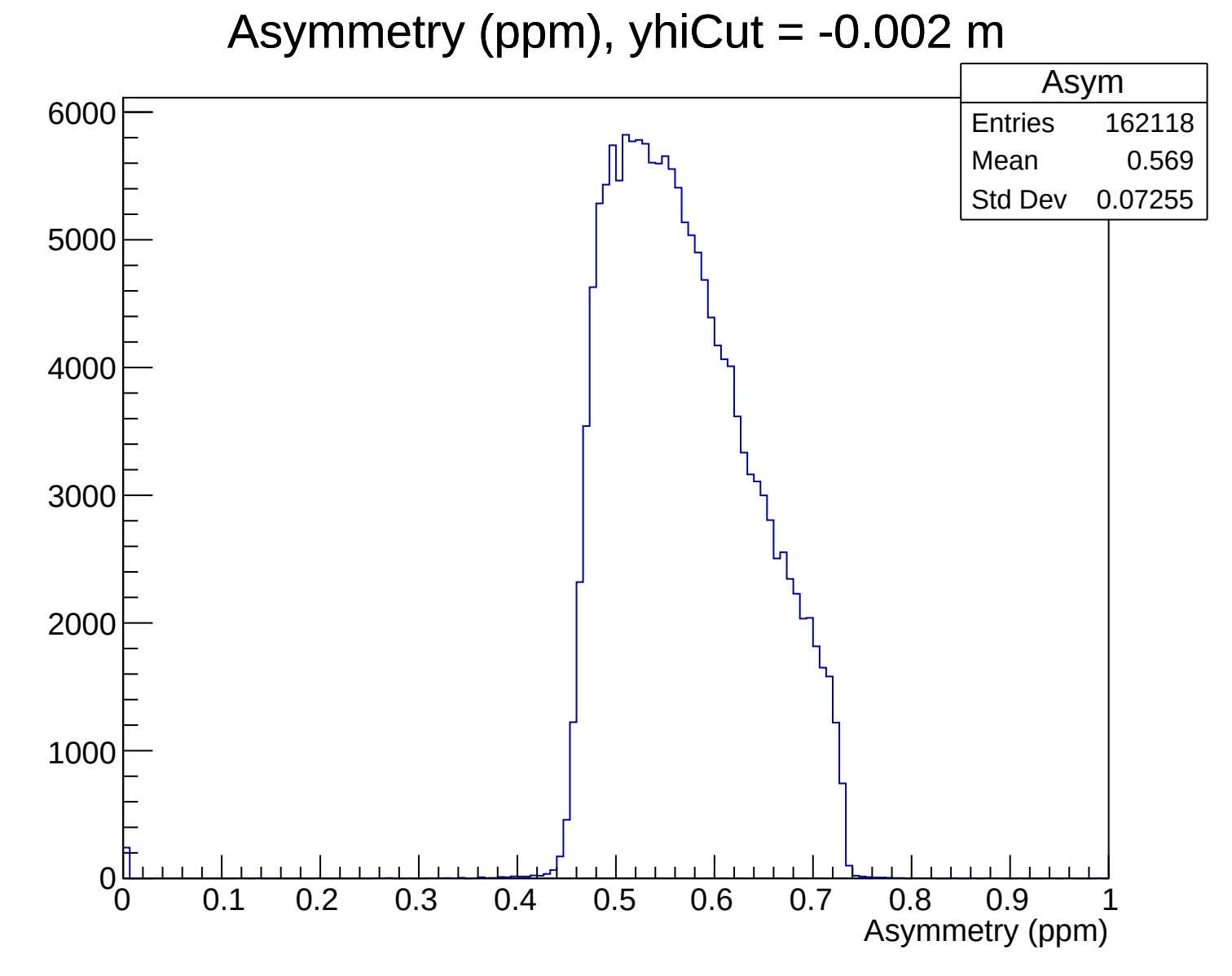

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

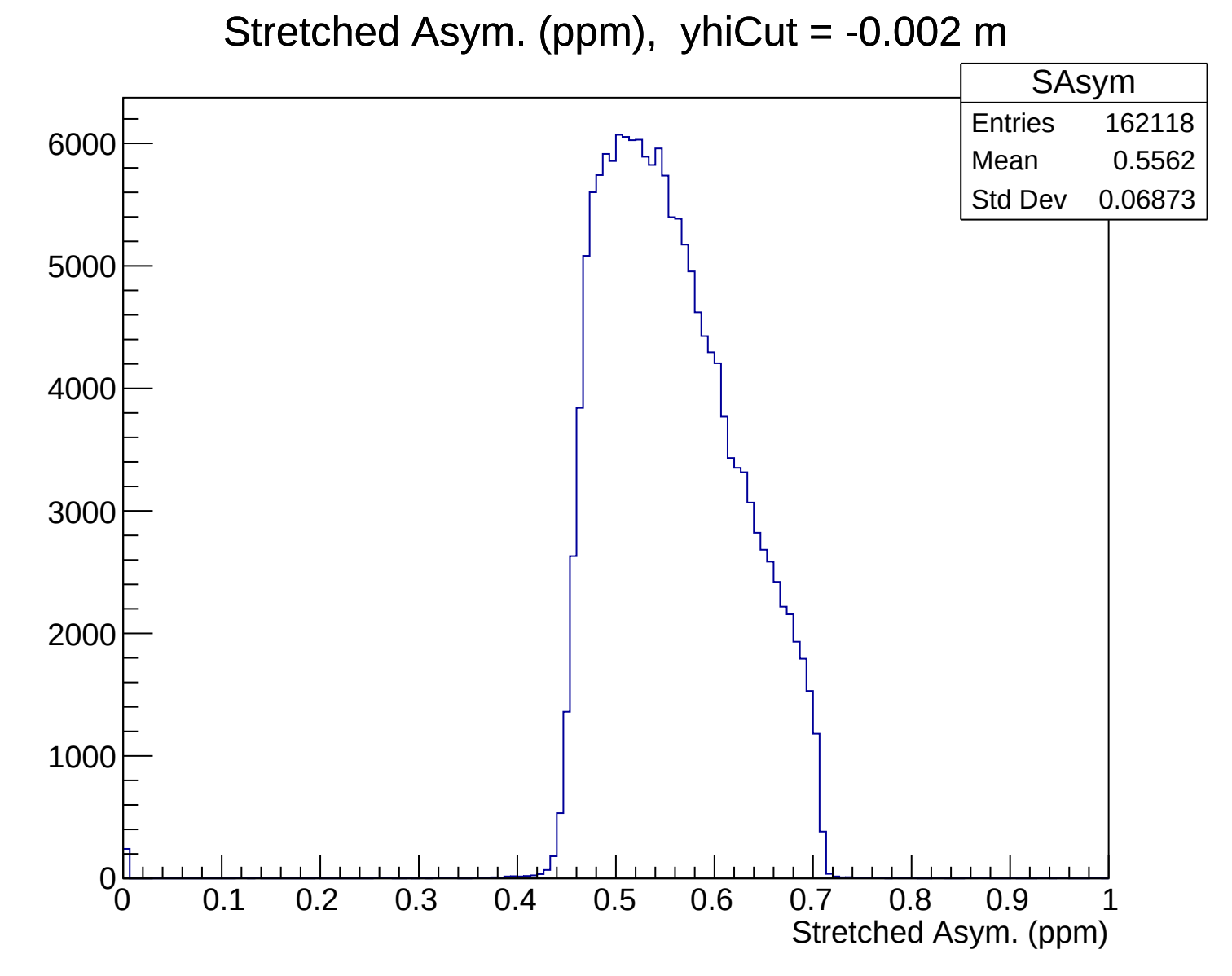

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.002
L.tr.y[0]+1.3*L.tr.ph[0] (m)

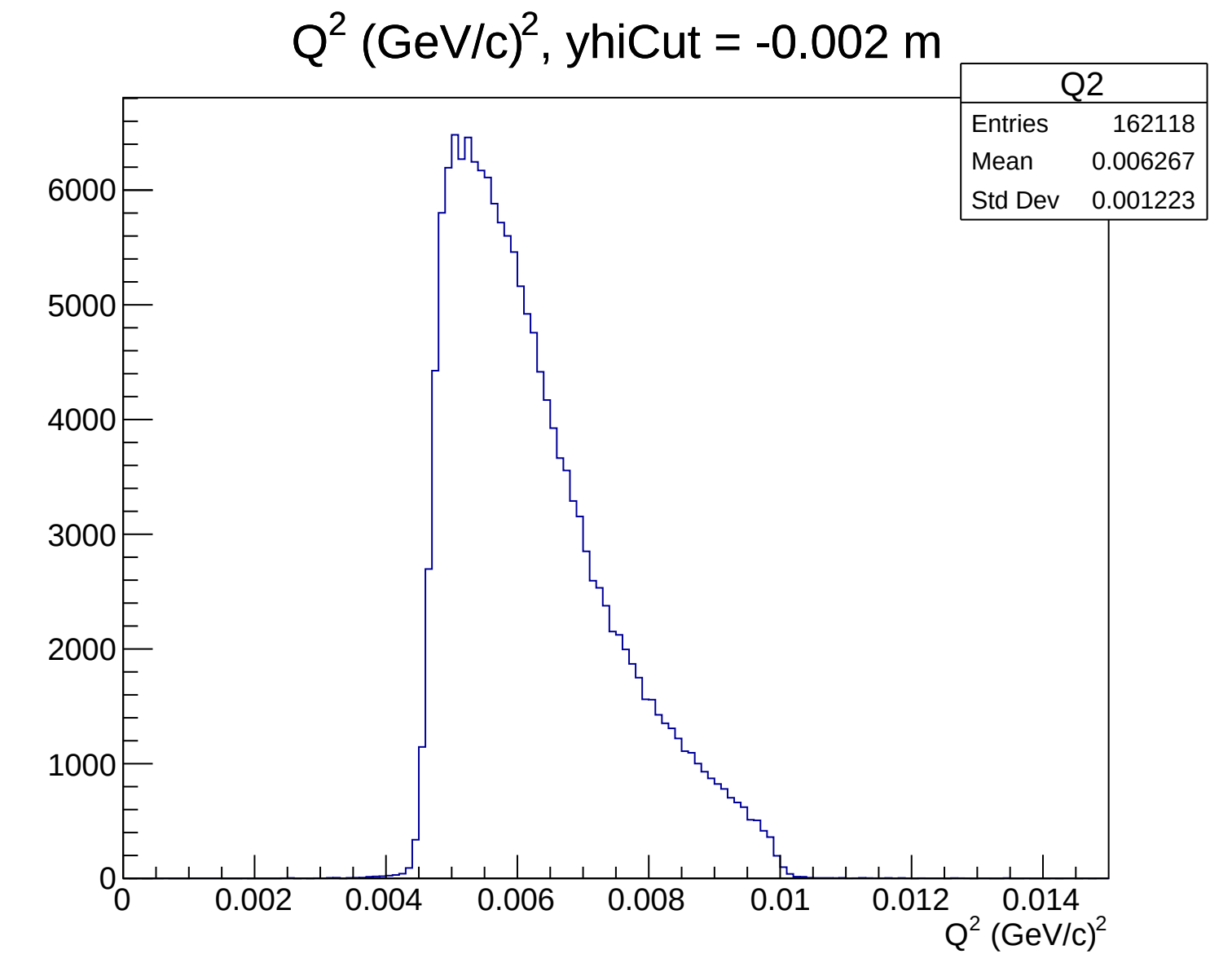

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

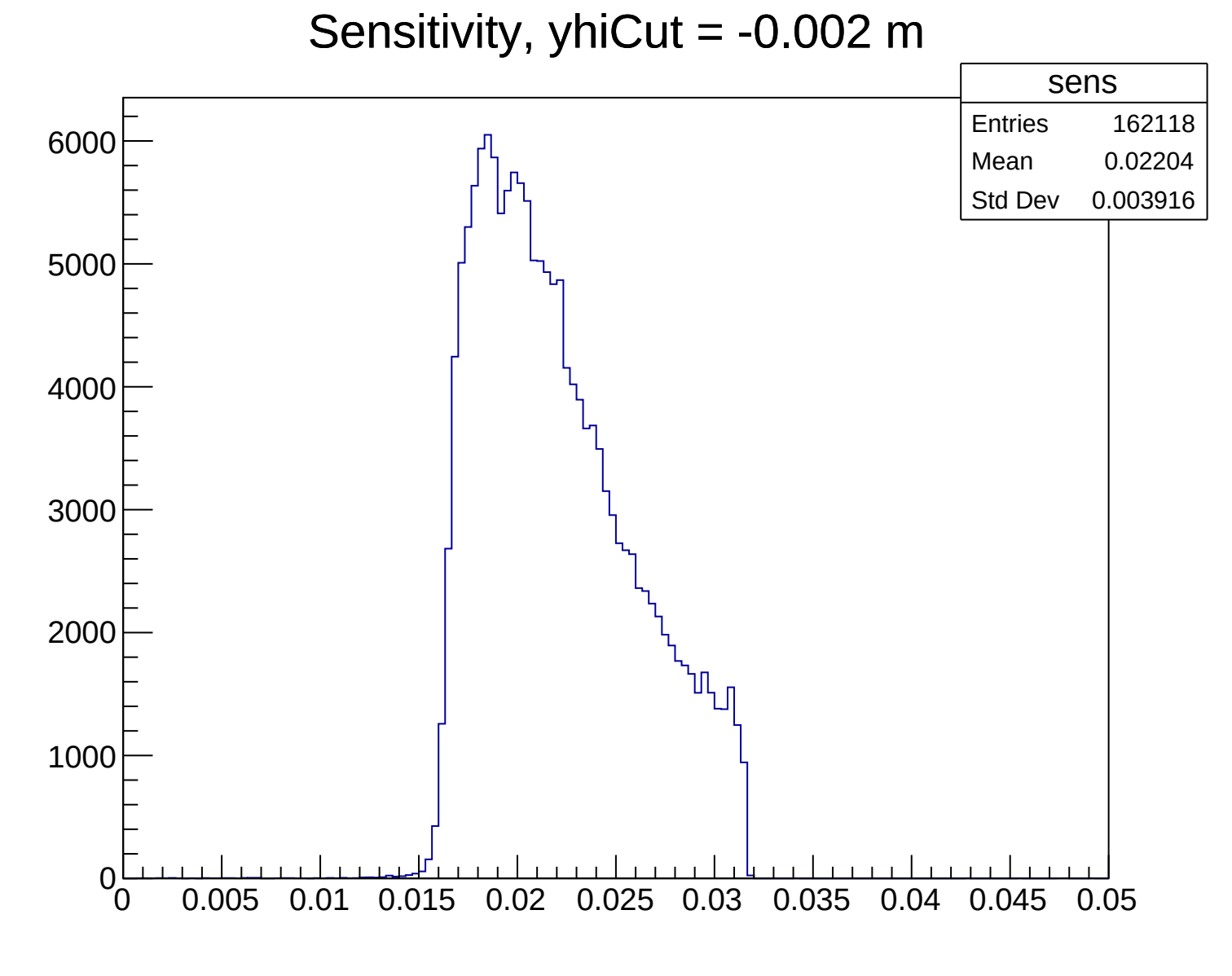

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

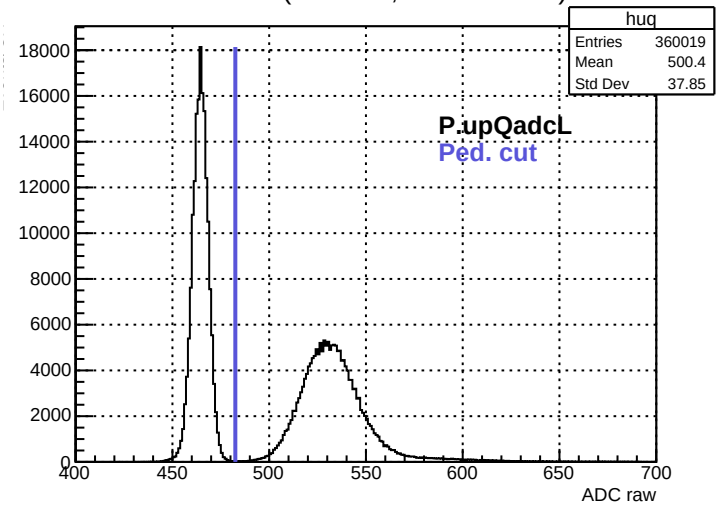

θlab (deg), yhiCut = -0.002 m
Theta
Entries 162118
Mean 4.764
Std Dev 0.4535
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

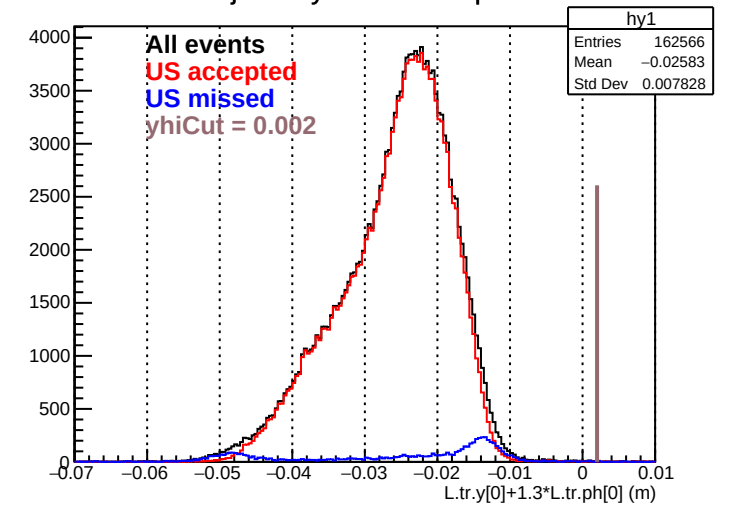

Asymmetry (ppm), yhiCut = -0.002 m
Asym
Entries 162118
Mean 0.569
Std Dev 0.07255
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

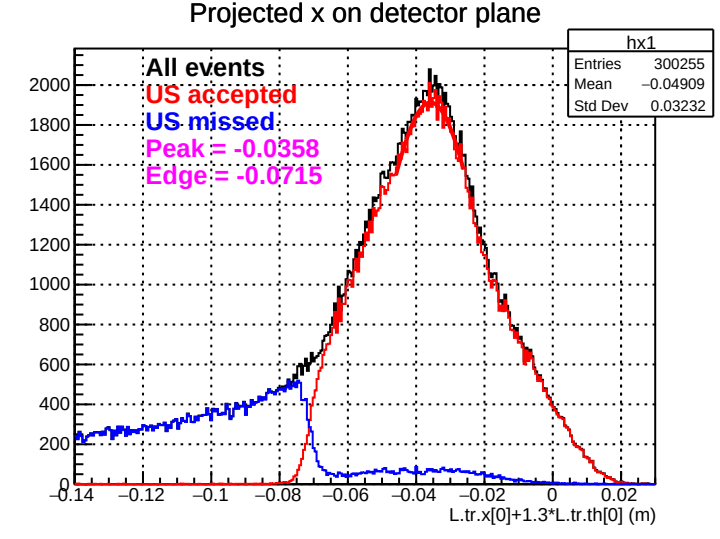

Stretched Asym. (ppm), yhiCut = -0.002 m
SAsym
Entries 162118
Mean 0.5562
Std Dev 0.06873
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

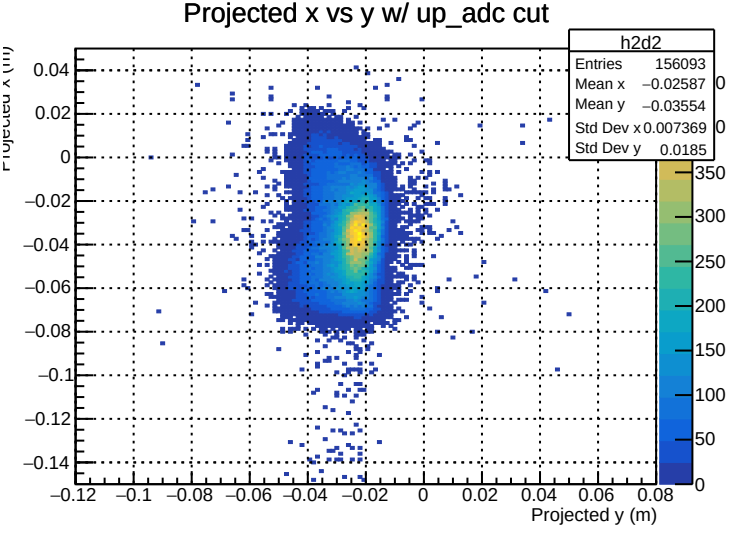

Q^2 (GeV/c)^2, yhiCut = -0.002 m
Q2
Entries 162118
Mean 0.006267
Std Dev 0.001223
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

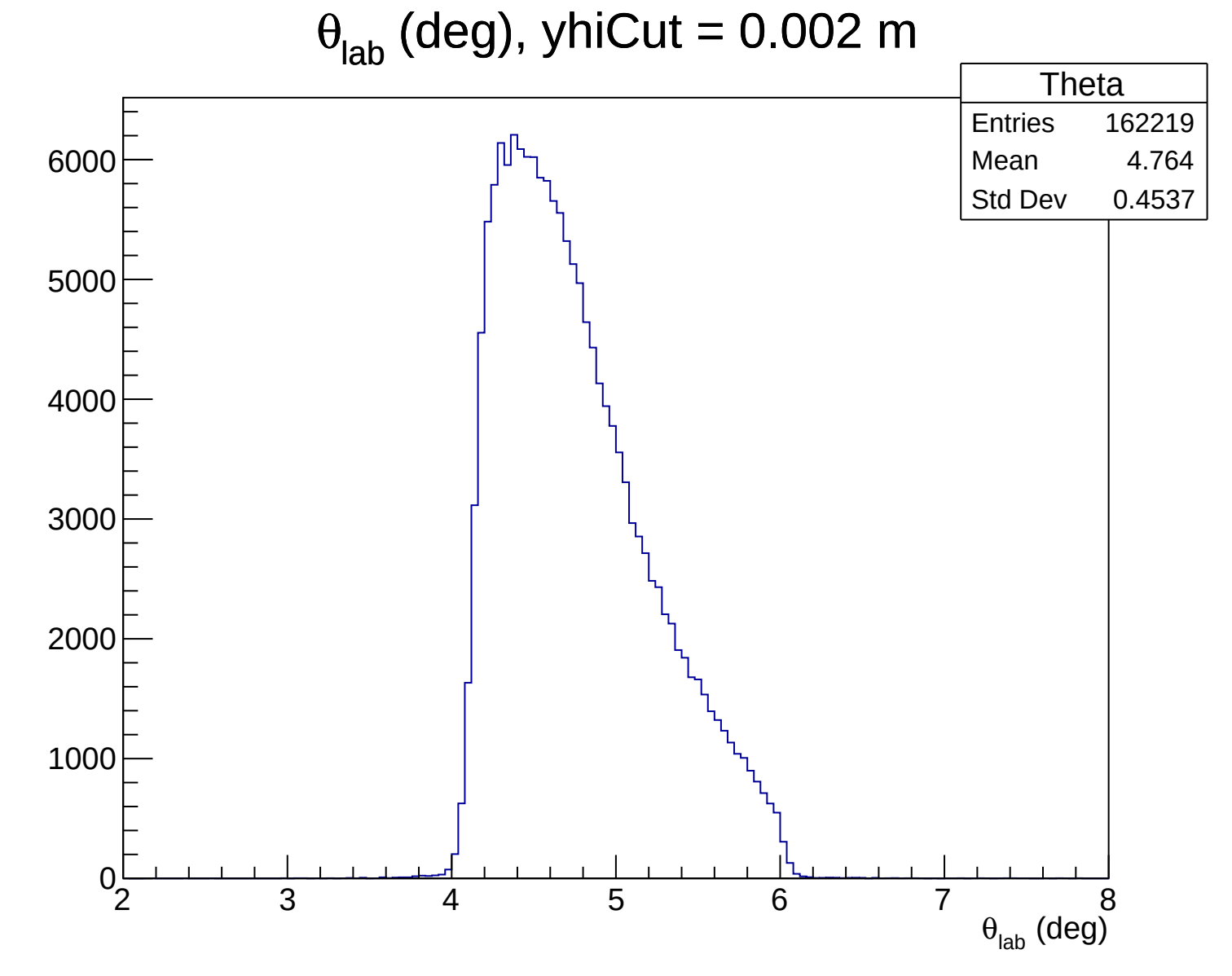

Sensitivity, yhiCut = -0.002 m
sens
Entries 162118
Mean 0.02204
Std Dev 0.003916
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

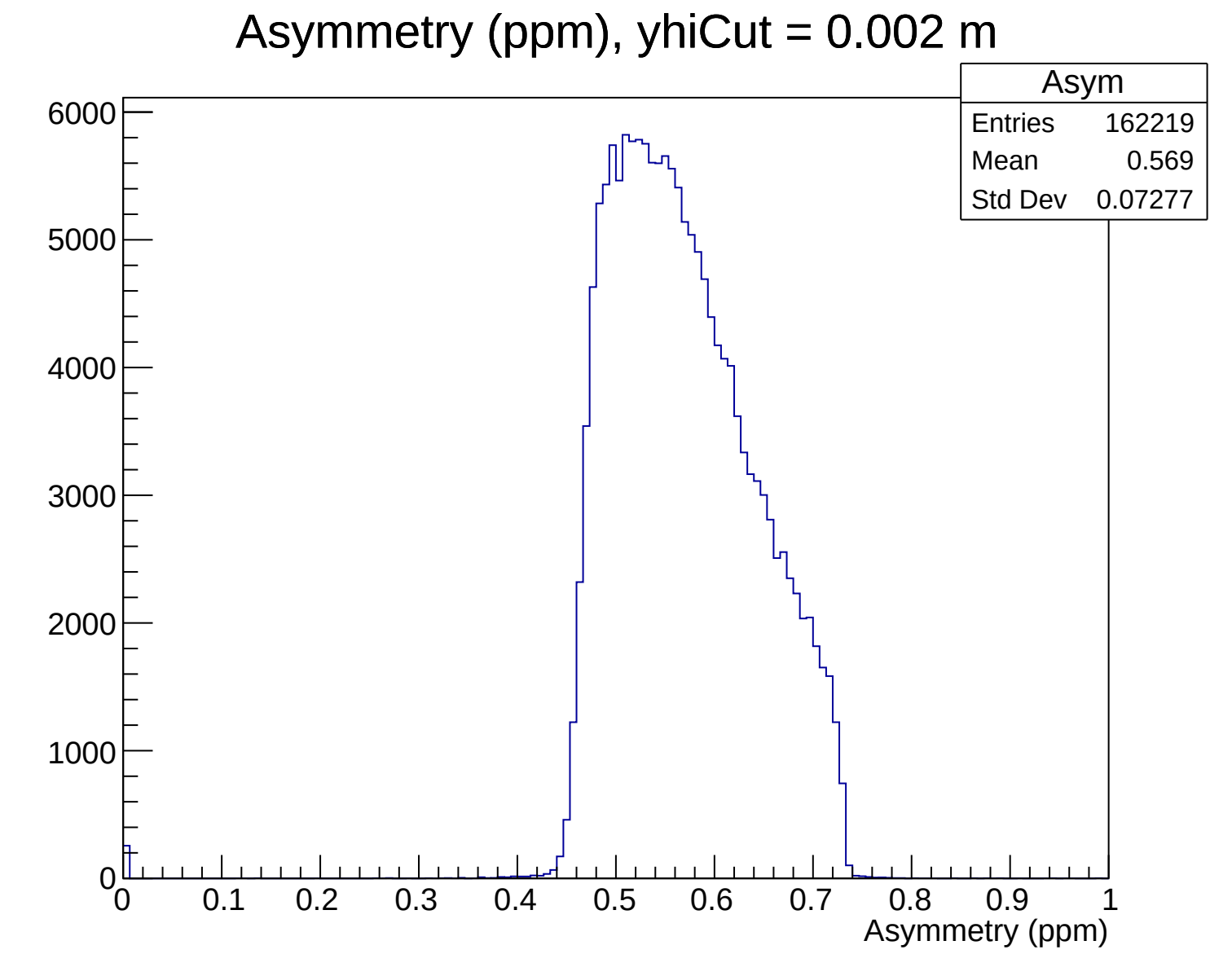

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

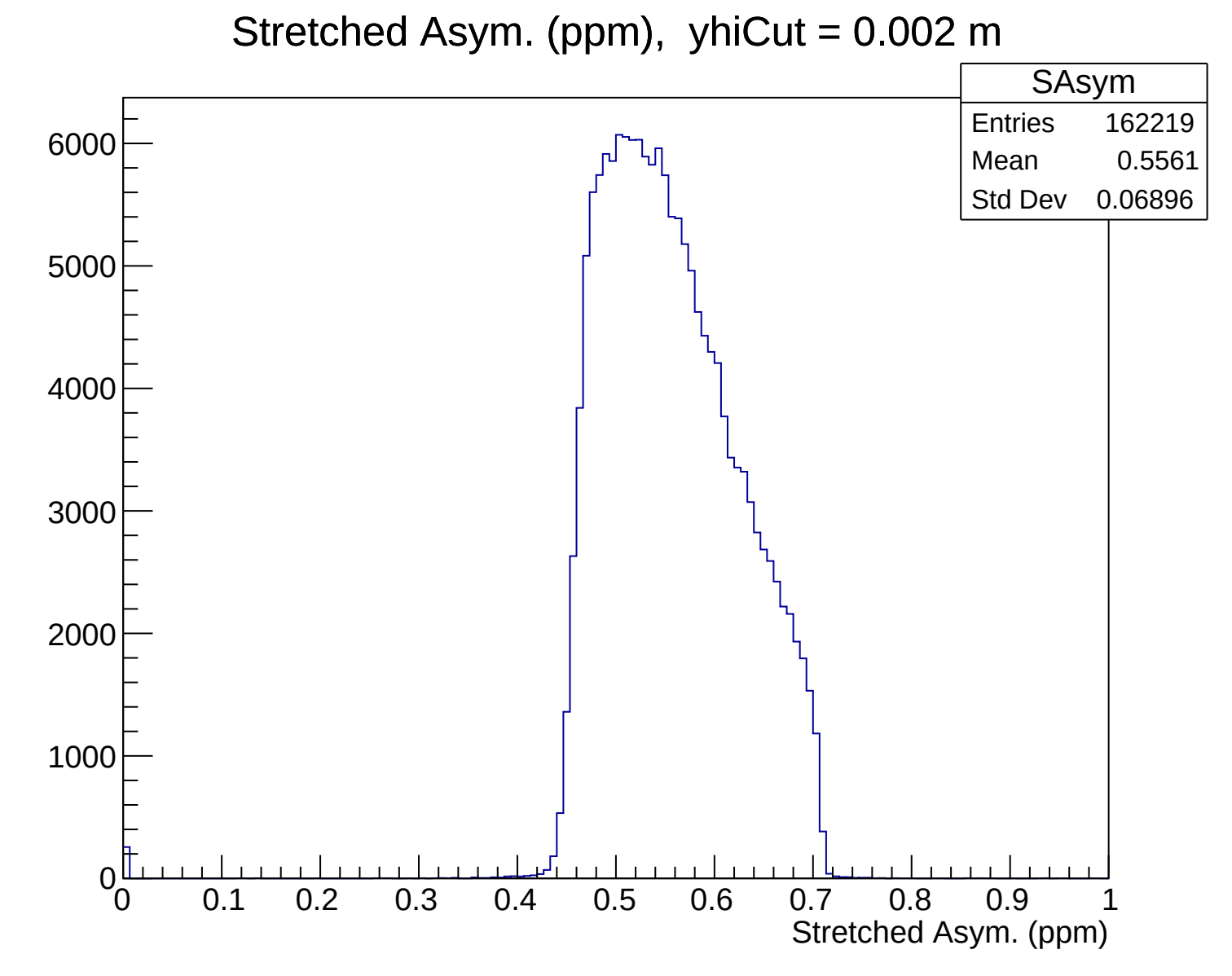

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = 0.002
L.tr.y[0]+1.3*L.tr.ph[0] (m)

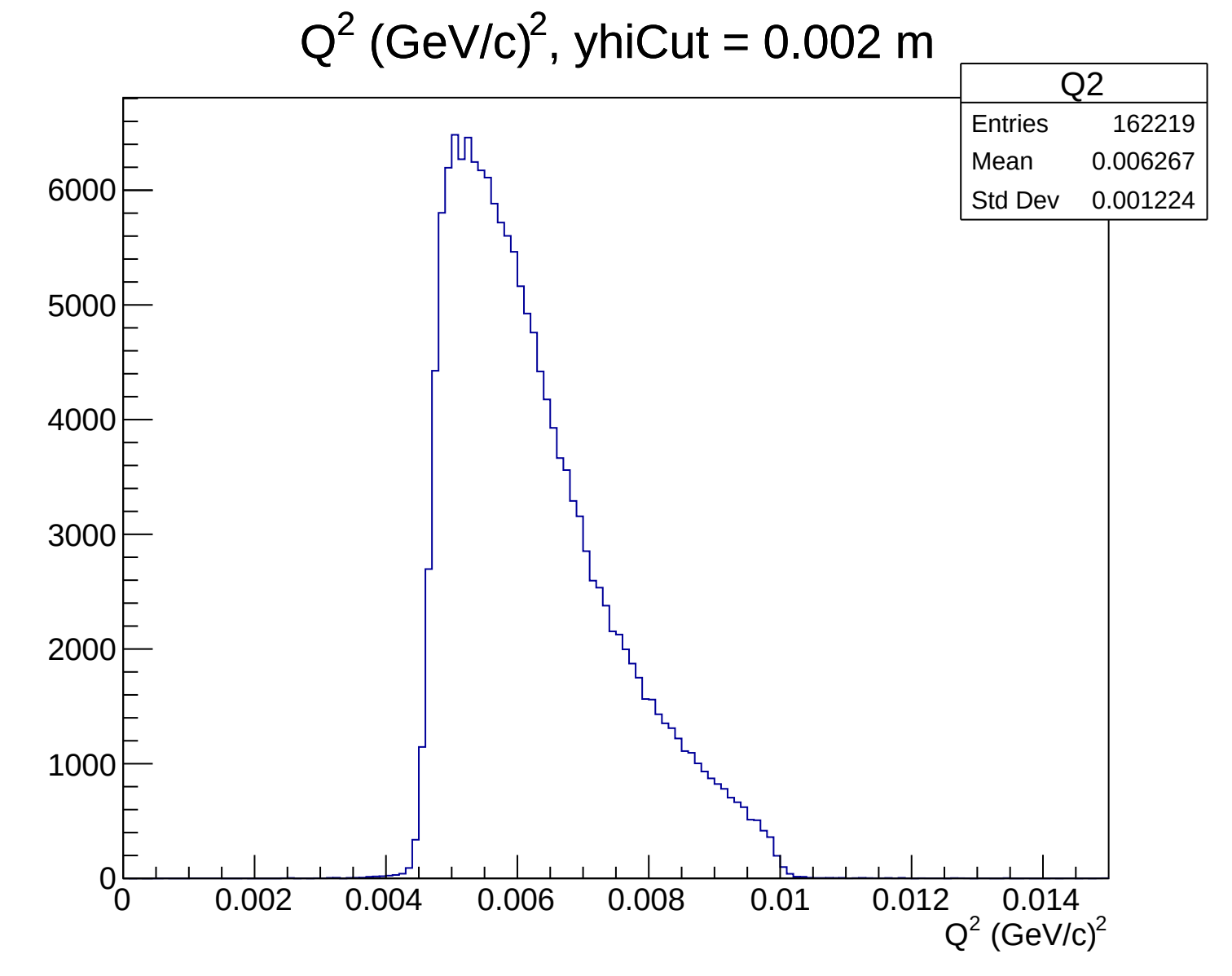

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

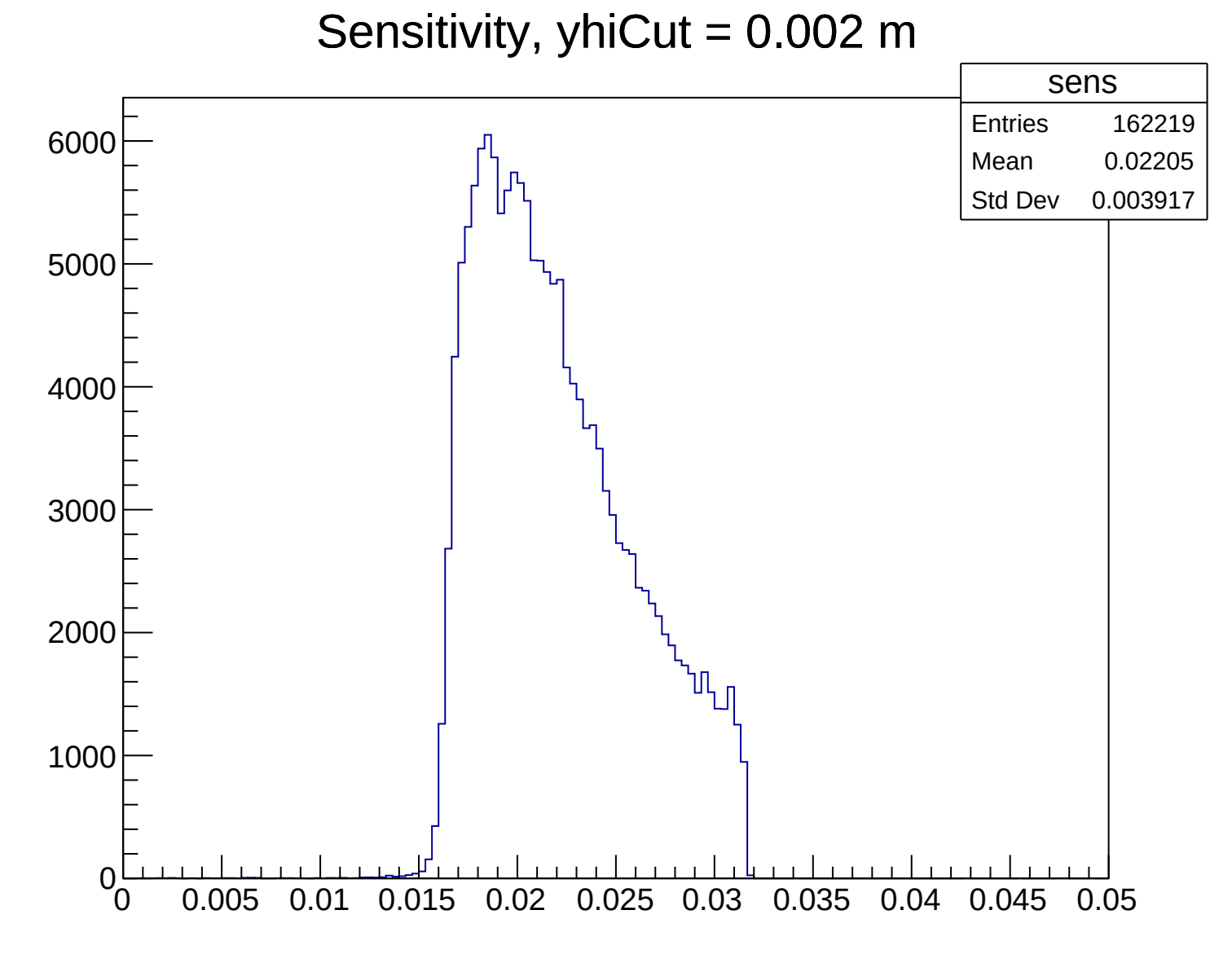

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

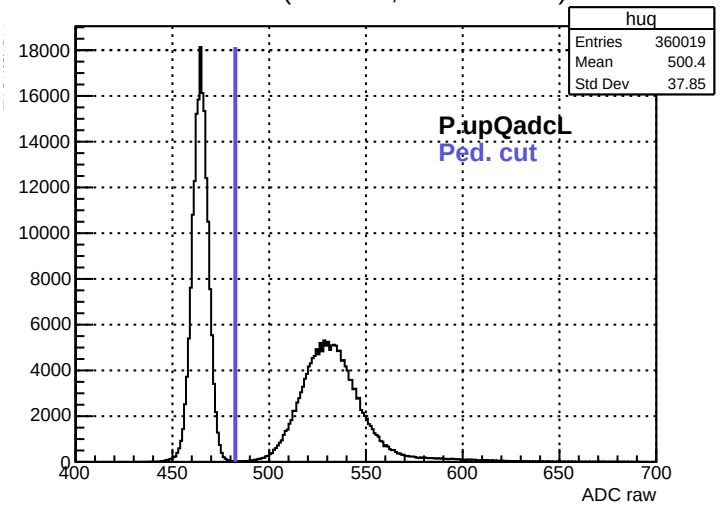

θlab (deg), yhiCut = 0.002 m
Theta
Entries 162219
Mean 4.764
Std Dev 0.4537
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

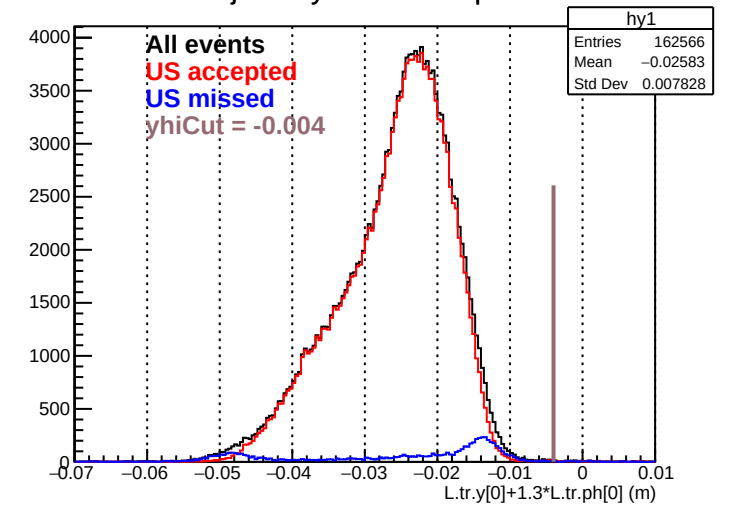

Asymmetry (ppm), yhiCut = 0.002 m
Asym
Entries 162219
Mean 0.569
Std Dev 0.07277
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

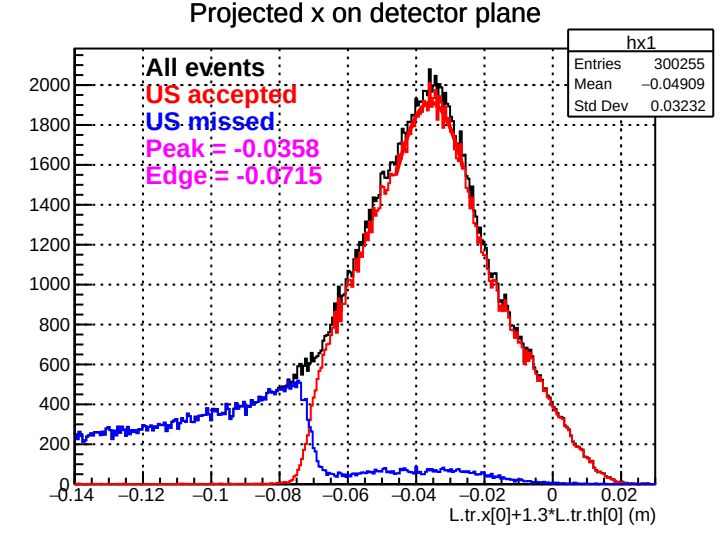

Stretched Asym. (ppm), yhiCut = 0.002 m
SAsym
Entries 162219
Mean 0.5561
Std Dev 0.06896
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

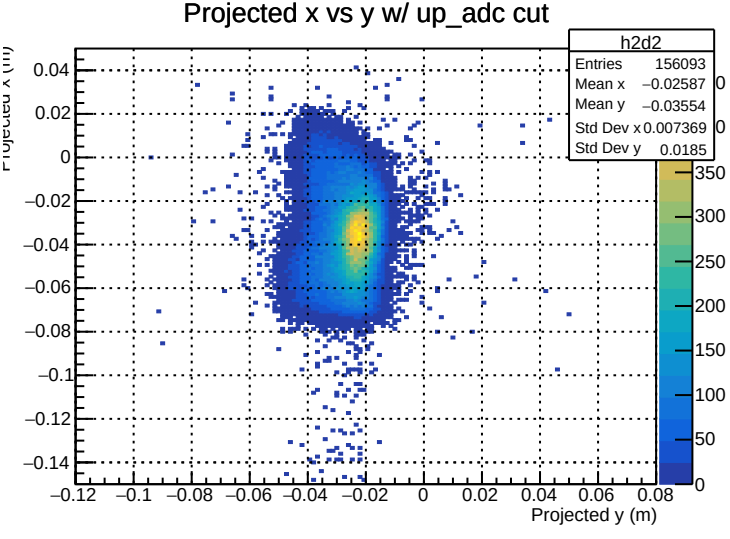

Q^2 (GeV/c)^2, yhiCut = 0.002 m
Q2
Entries 162219
Mean 0.006267
Std Dev 0.001224
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

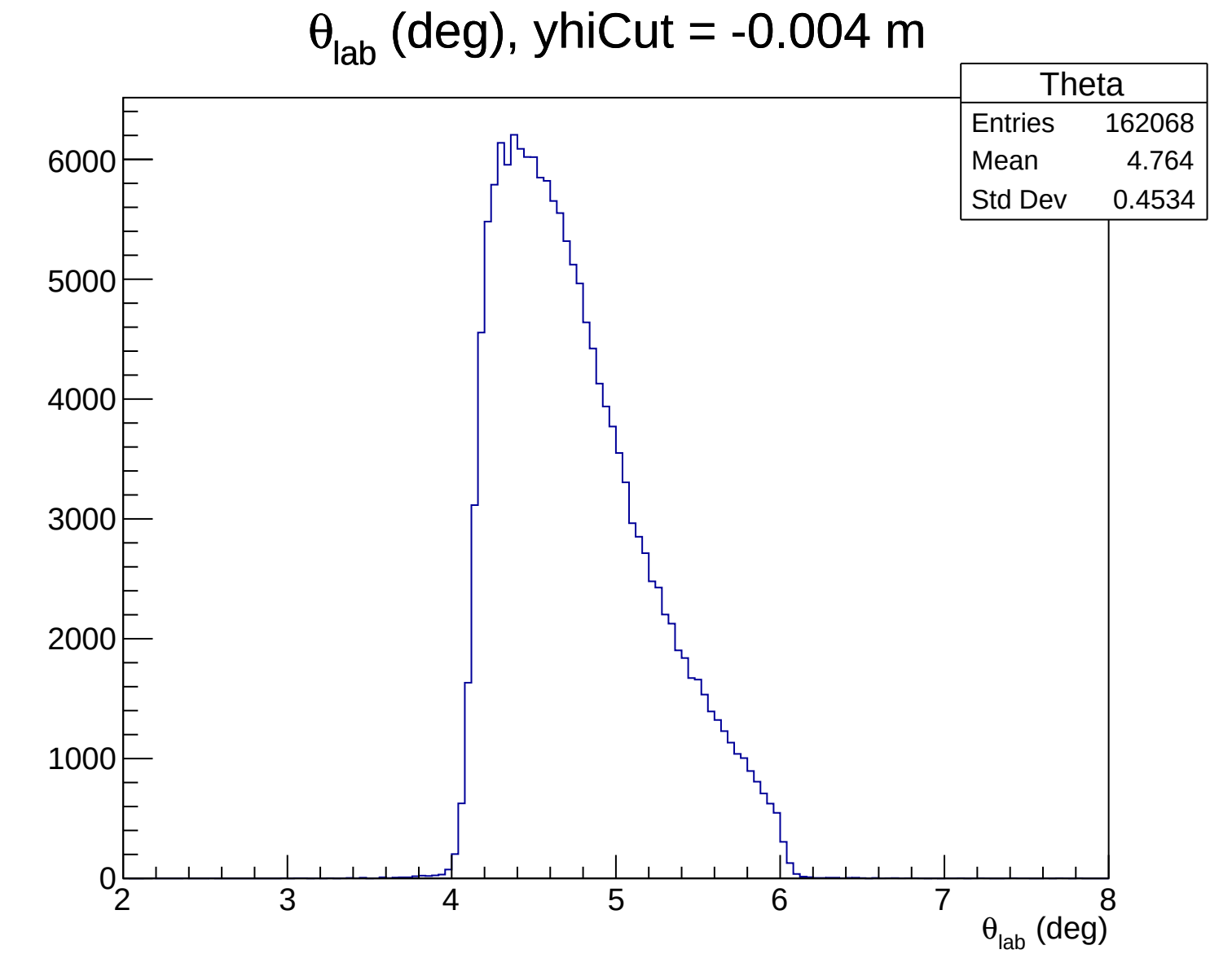

Sensitivity, yhiCut = 0.002 m
sens
Entries 162219
Mean 0.02205
Std Dev 0.003917
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

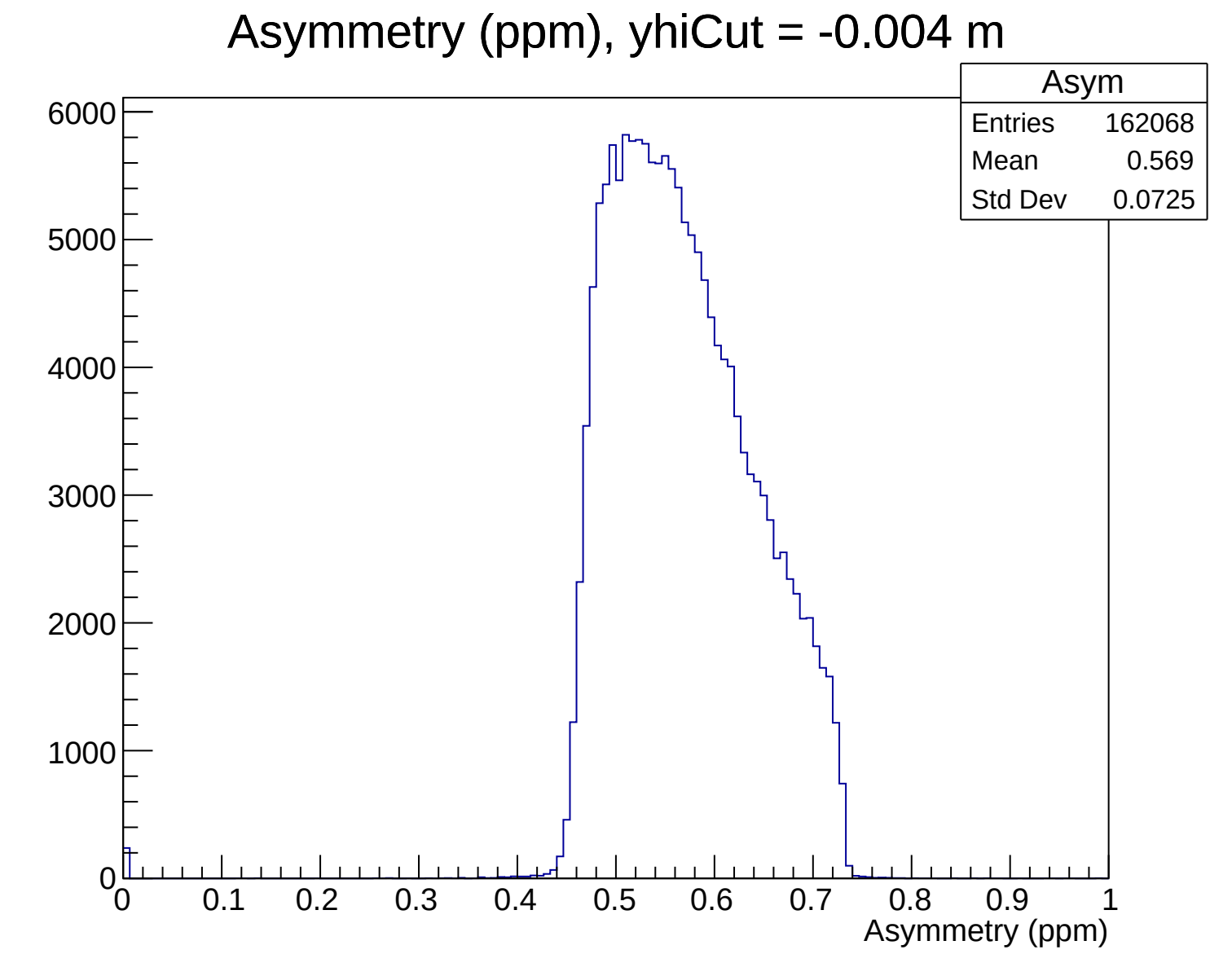

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

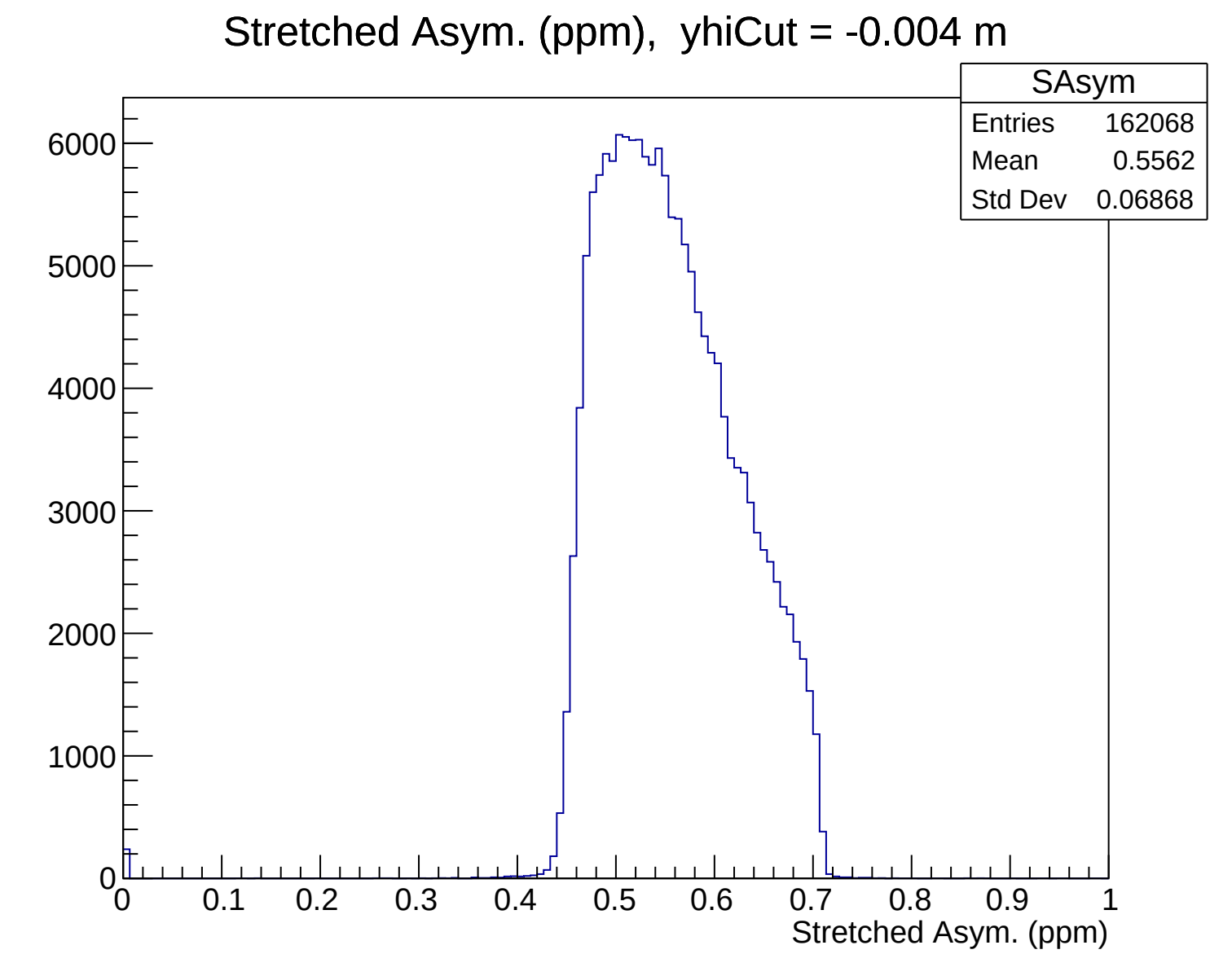

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.004
L.tr.y[0]+1.3*L.tr.ph[0] (m)

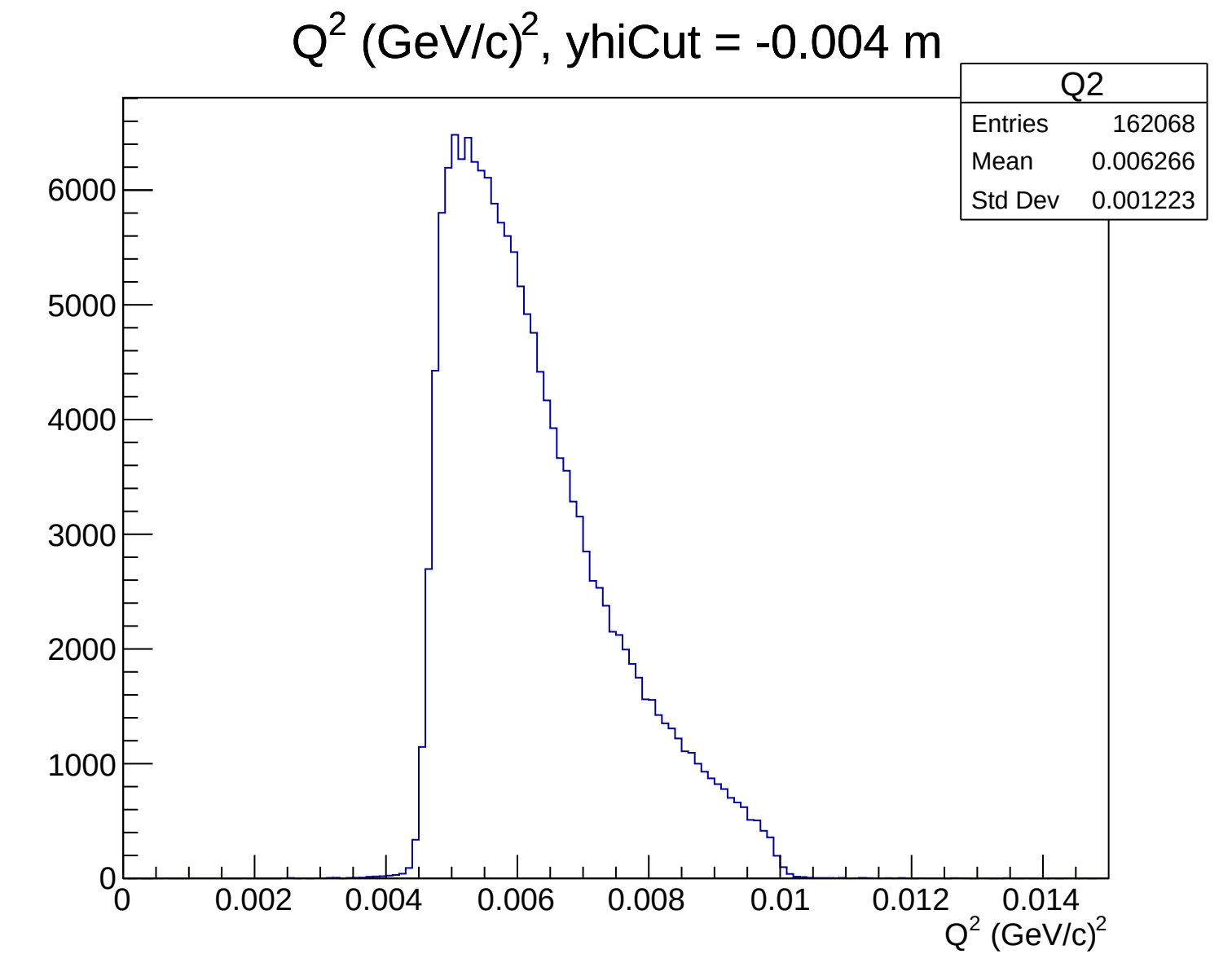

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

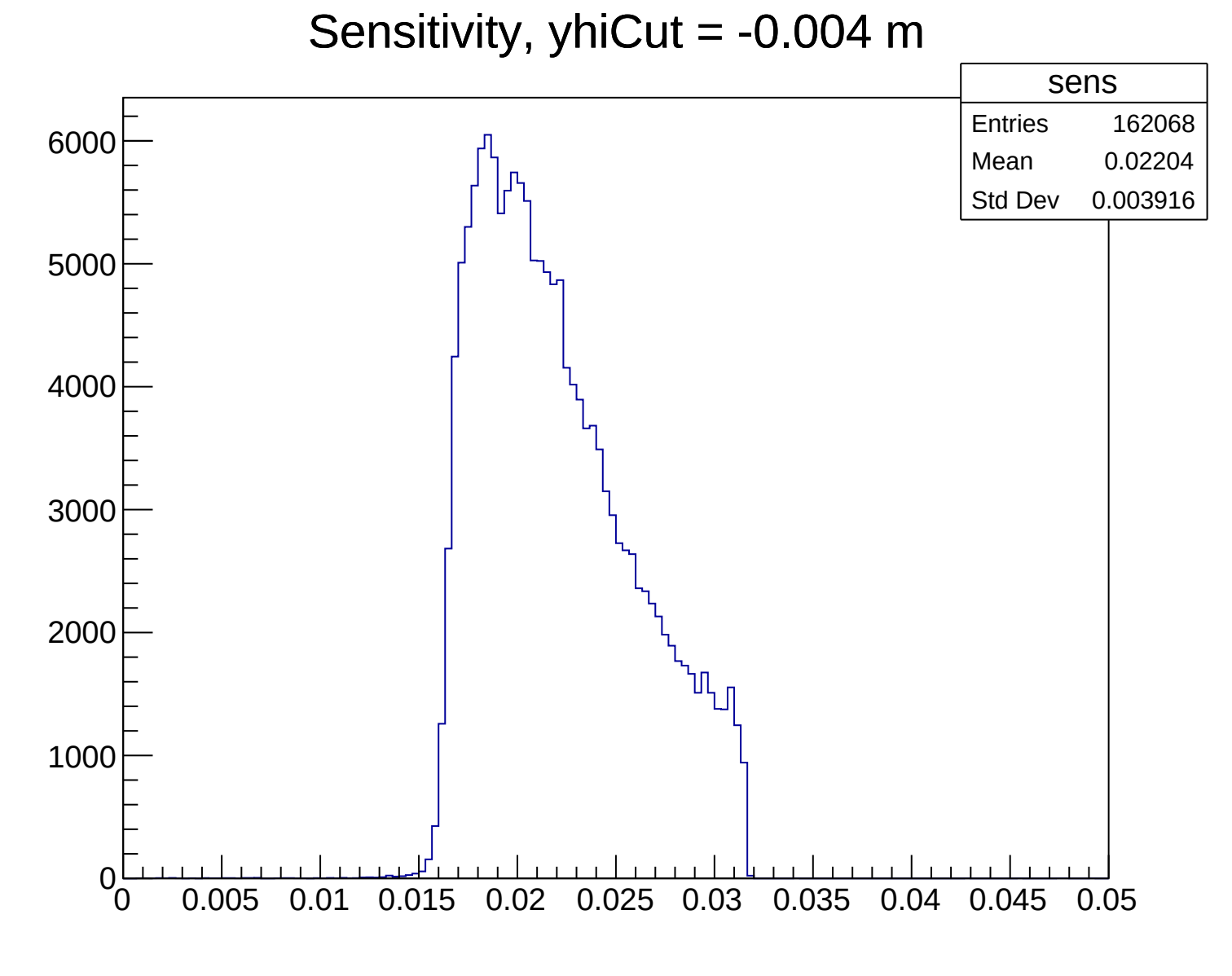

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

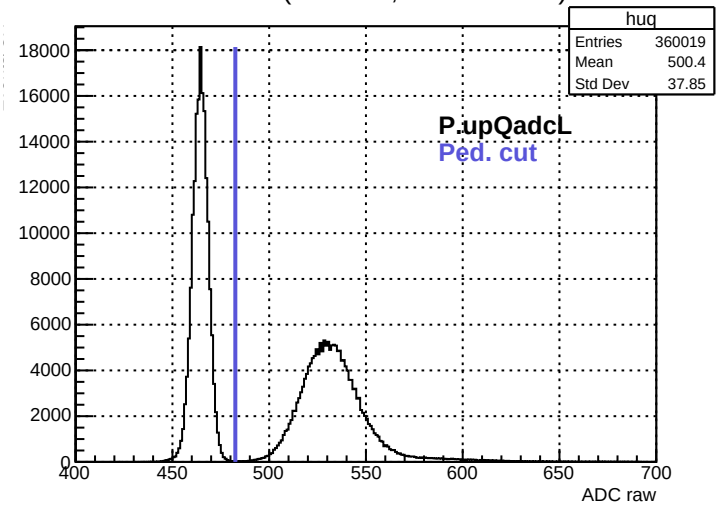

θlab (deg), yhiCut = -0.004 m
Theta
Entries 162068
Mean 4.764
Std Dev 0.4534
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

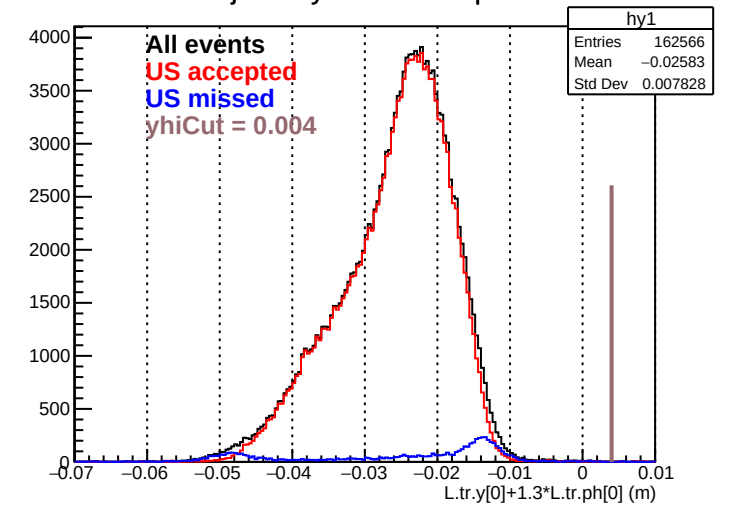

Asymmetry (ppm), yhiCut = -0.004 m
Asym
Entries 162068
Mean 0.569
Std Dev 0.0725
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

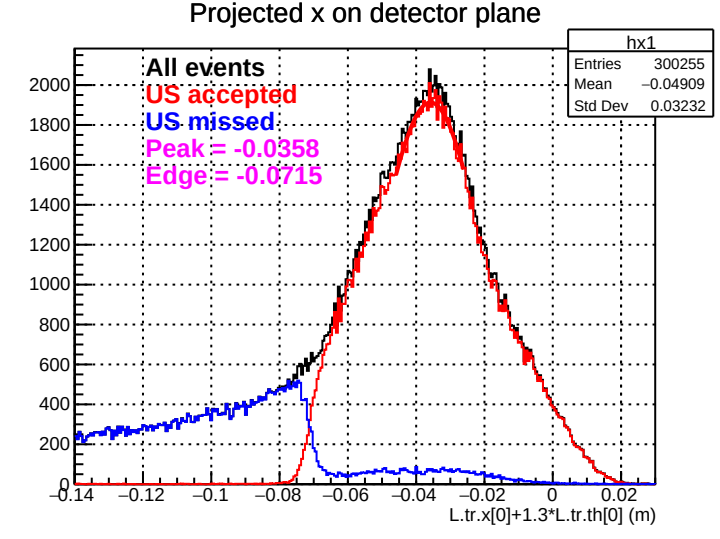

Stretched Asym. (ppm), yhiCut = -0.004 m
SAsym
Entries 162068
Mean 0.5562
Std Dev 0.06868
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

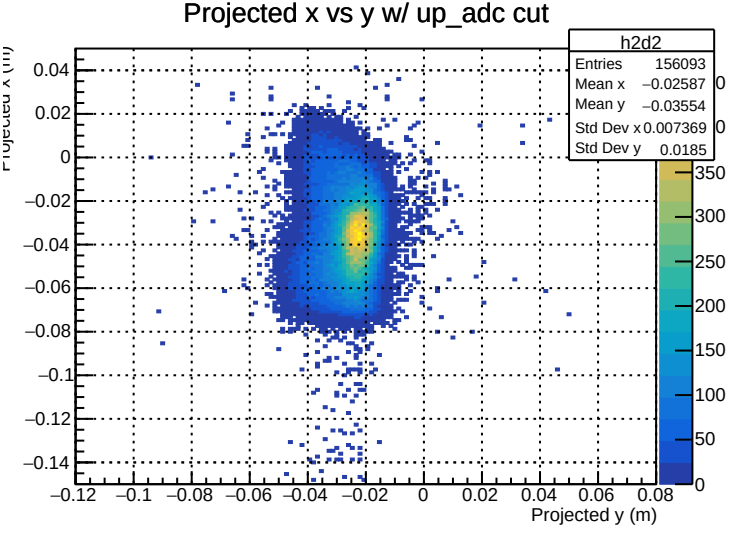

Q^2 (GeV/c)^2, yhiCut = -0.004 m
Q2
Entries 162068
Mean 0.006266
Std Dev 0.001223
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

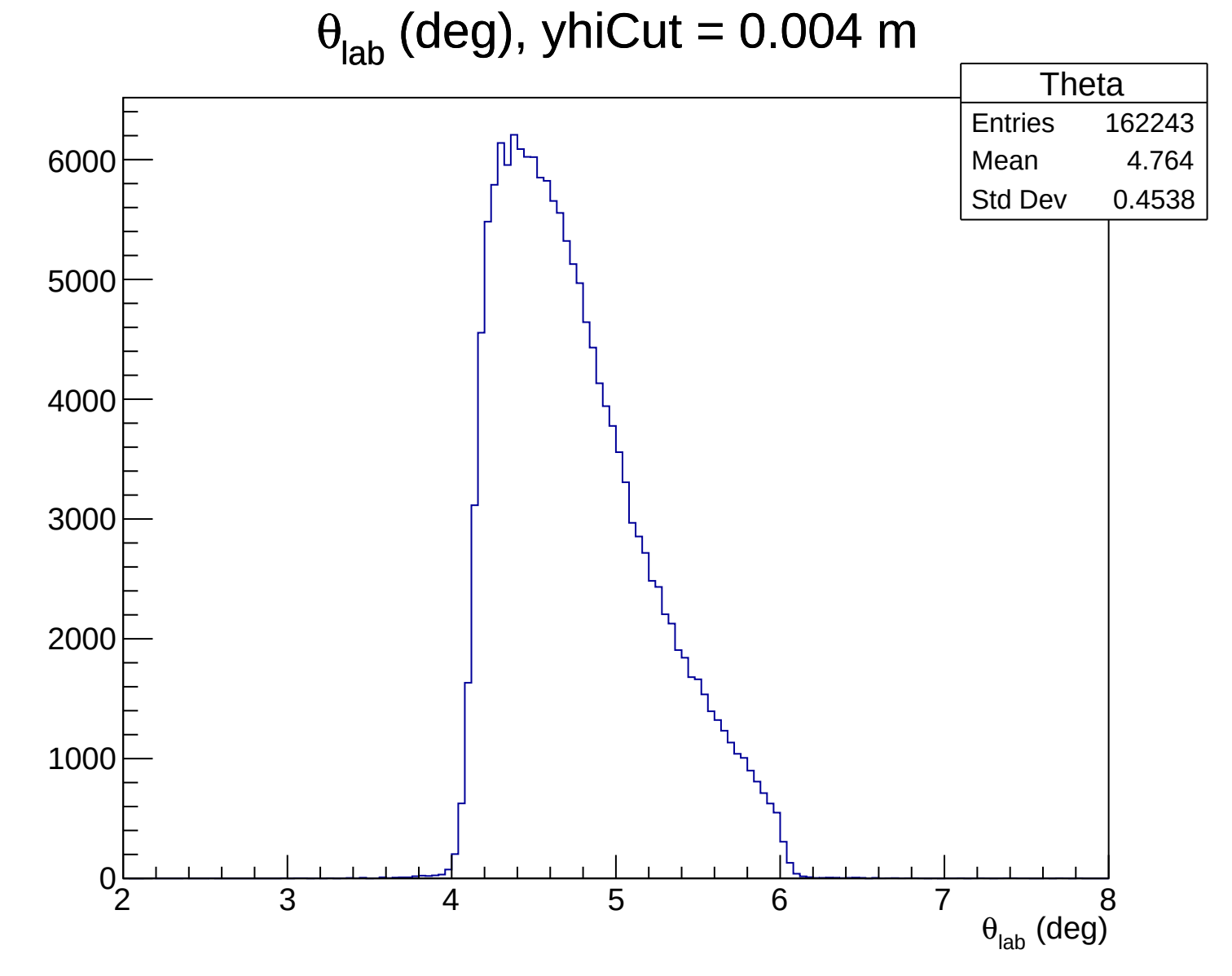

Sensitivity, yhiCut = -0.004 m
sens
Entries 162068
Mean 0.02204
Std Dev 0.003916
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

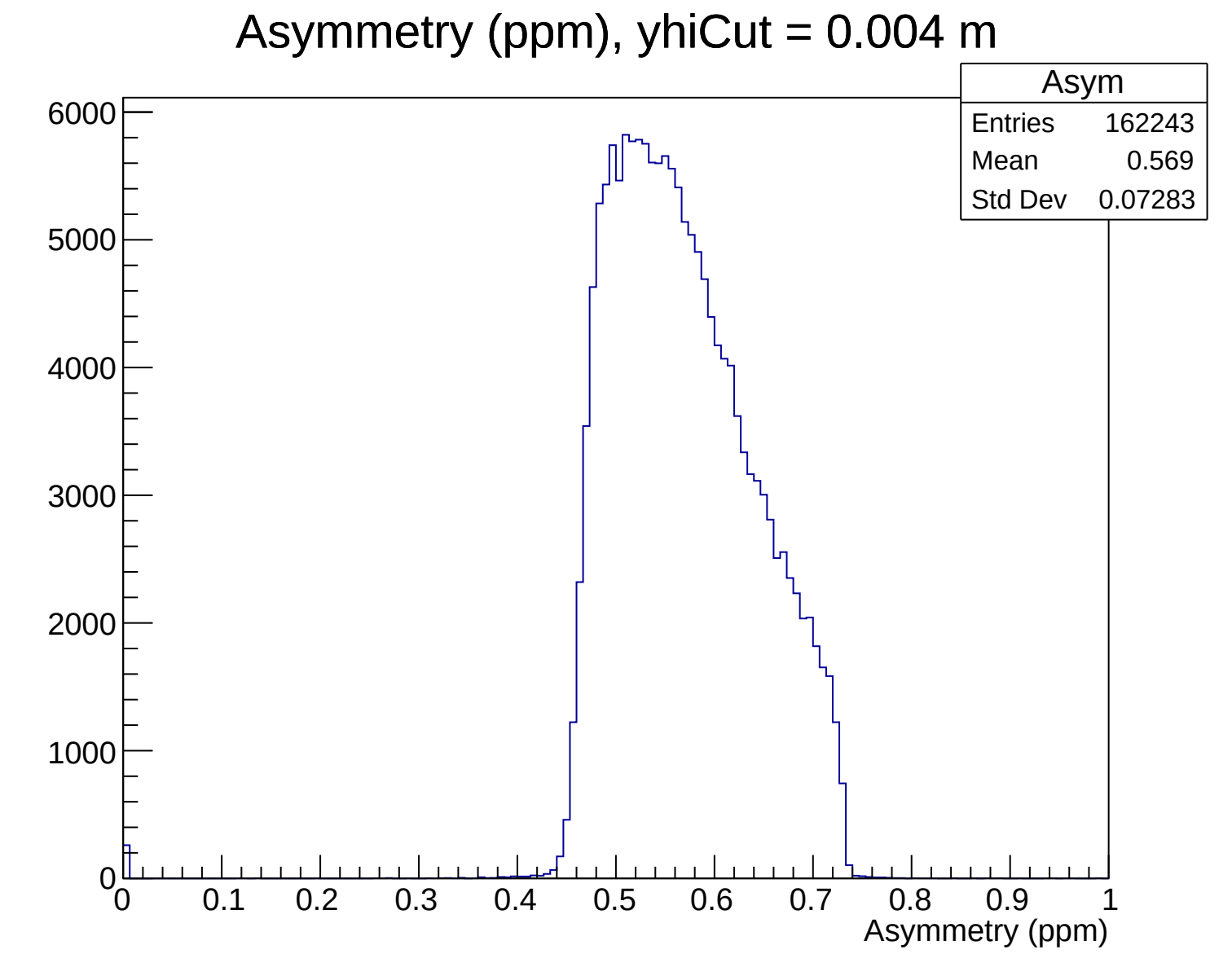

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

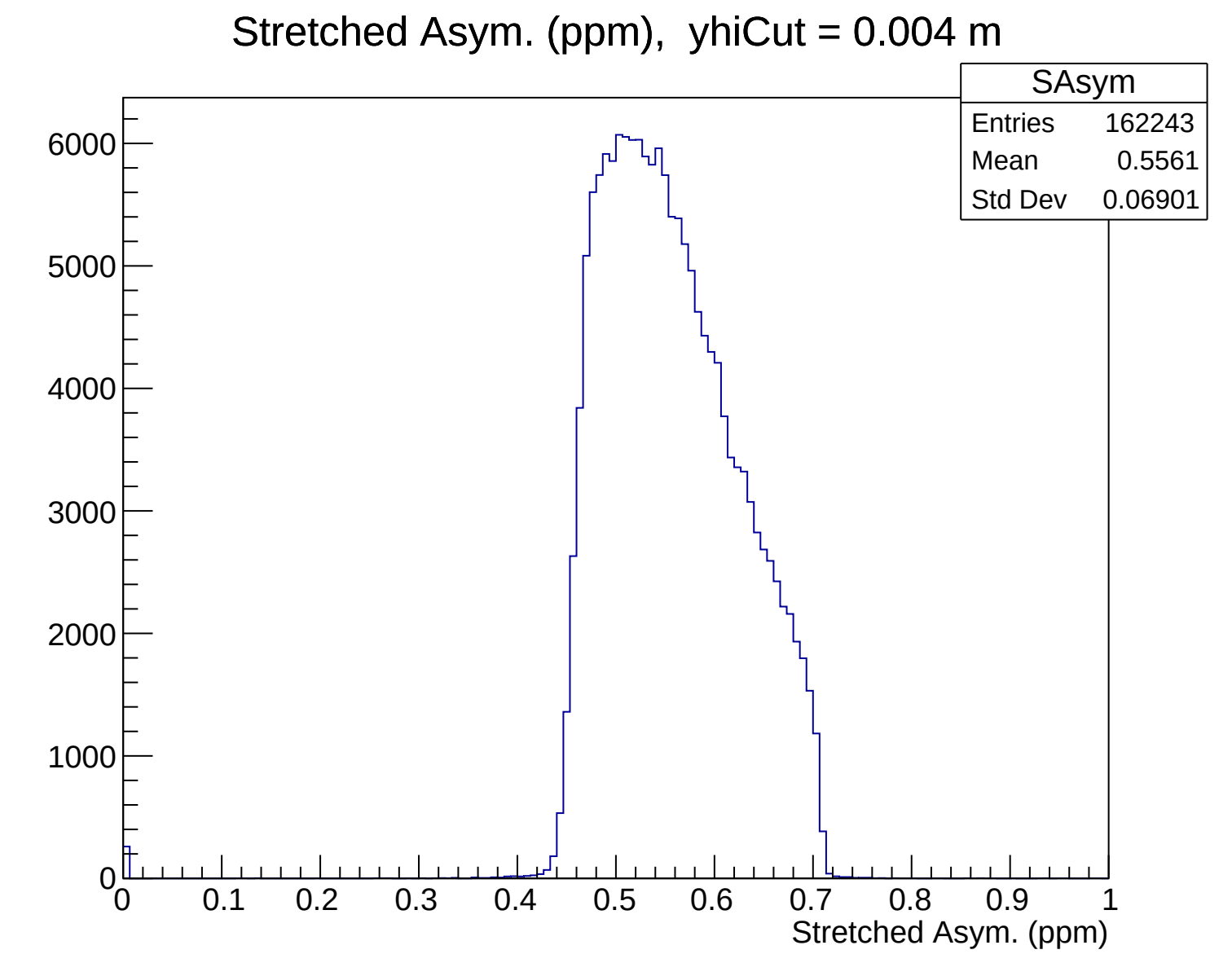

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = 0.004
L.tr.y[0]+1.3*L.tr.ph[0] (m)

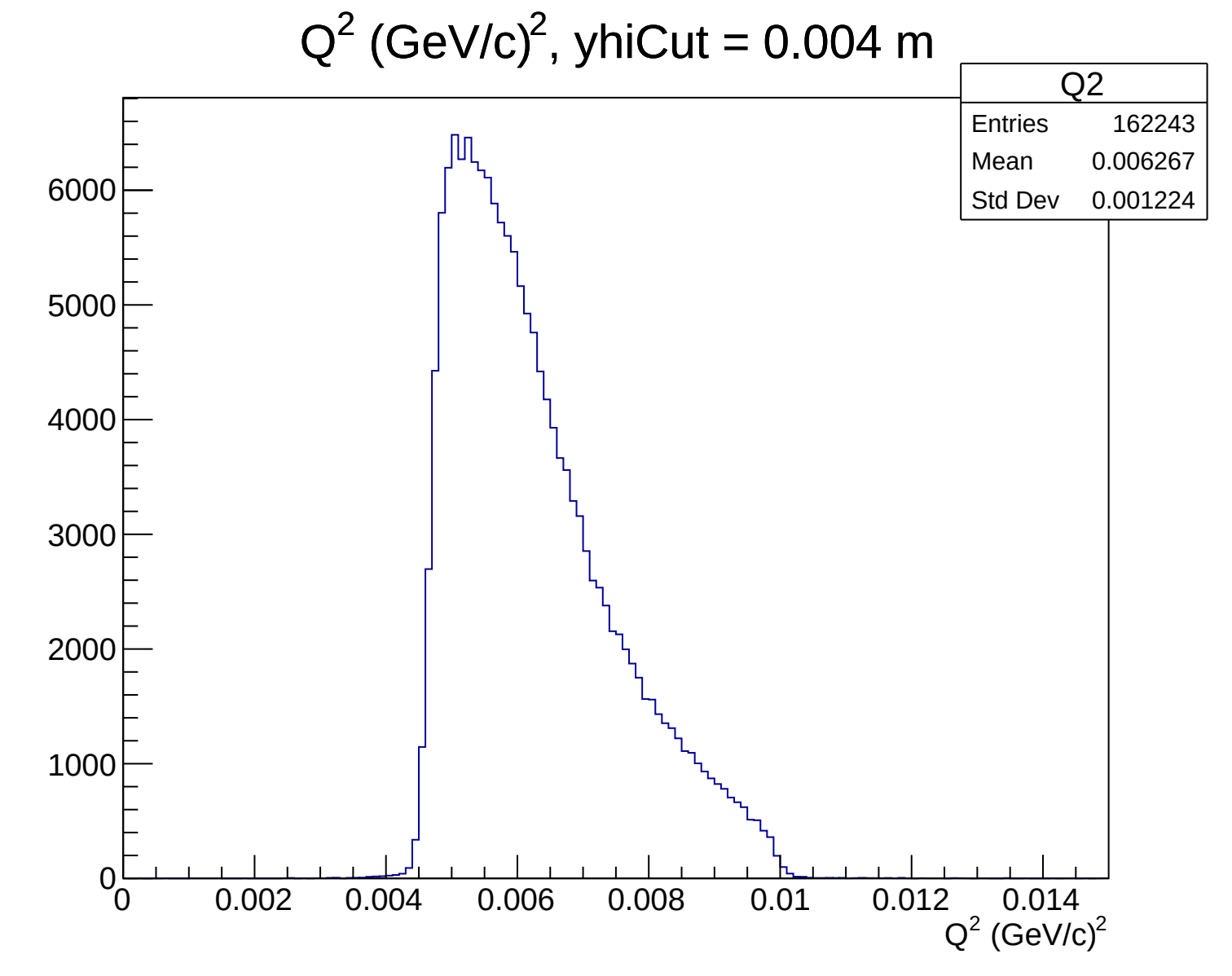

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

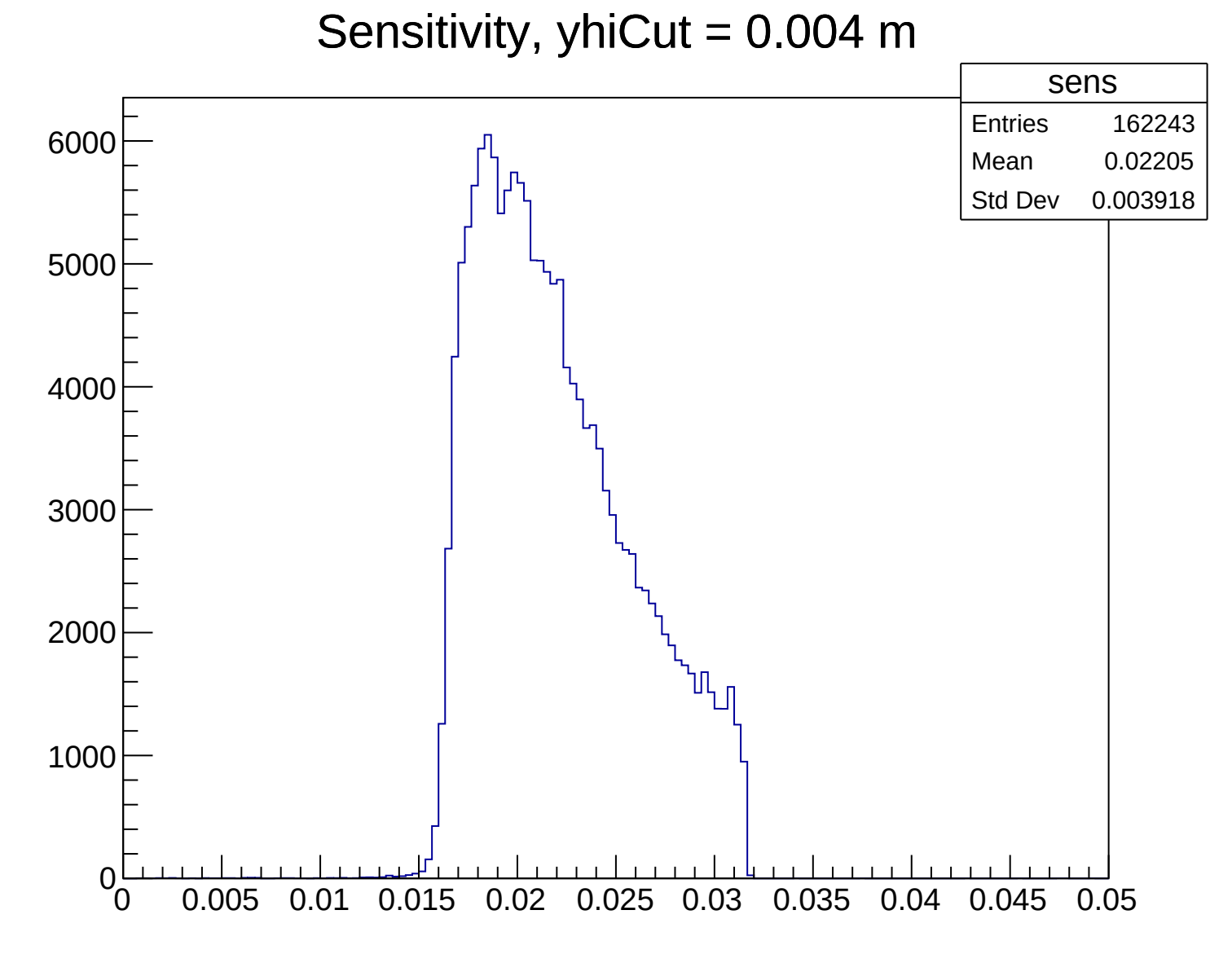

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

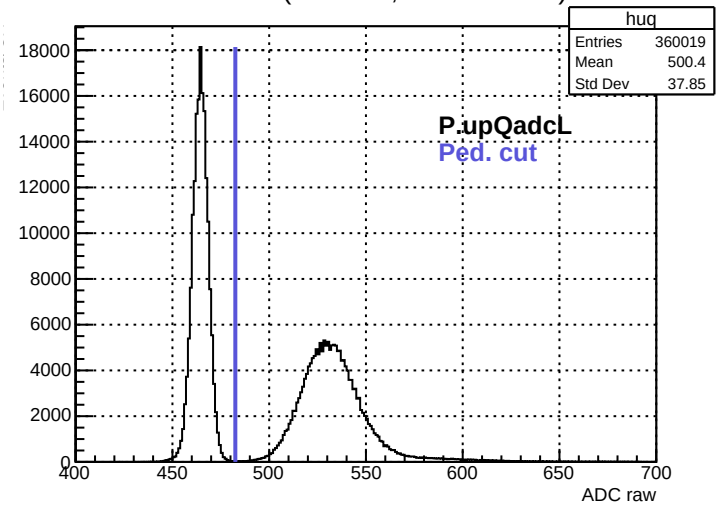

θlab (deg), yhiCut = 0.004 m
Theta
Entries 162243
Mean 4.764
Std Dev 0.4538
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

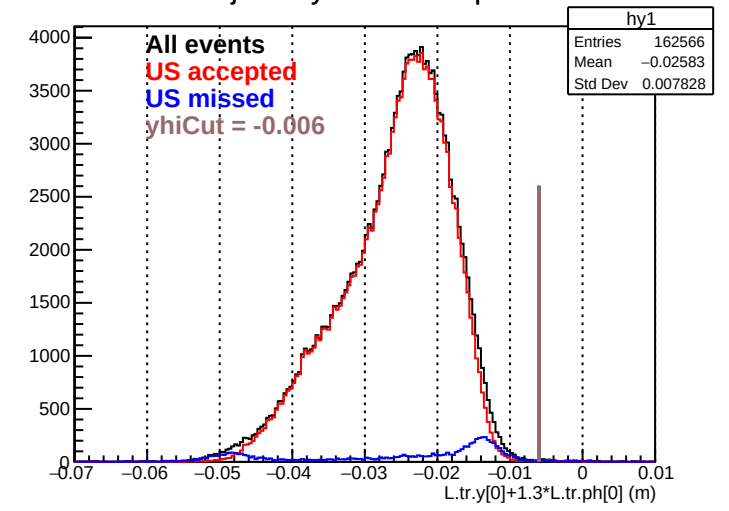

Asymmetry (ppm), yhiCut = 0.004 m
Asym
Entries 162243
Mean 0.569
Std Dev 0.07283
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

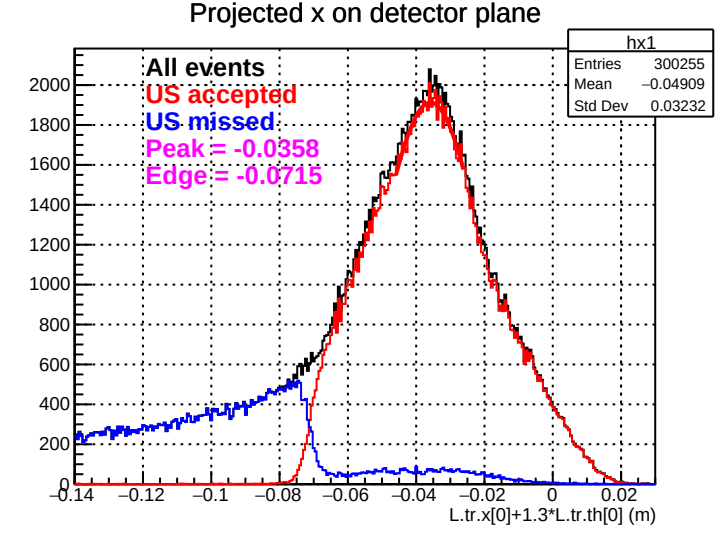

Stretched Asym. (ppm), yhiCut = 0.004 m
SAsym
Entries 162243
Mean 0.5561
Std Dev 0.06901
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

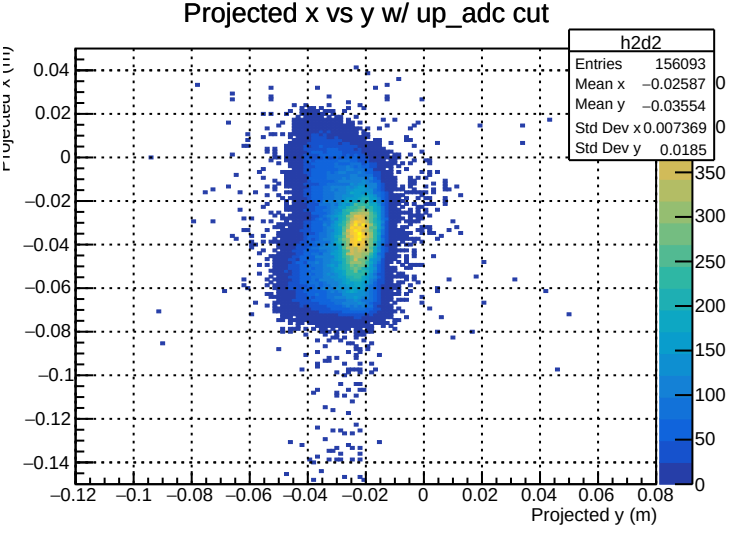

Q^2 (GeV/c)^2, yhiCut = 0.004 m
Q2
Entries 162243
Mean 0.006267
Std Dev 0.001224
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

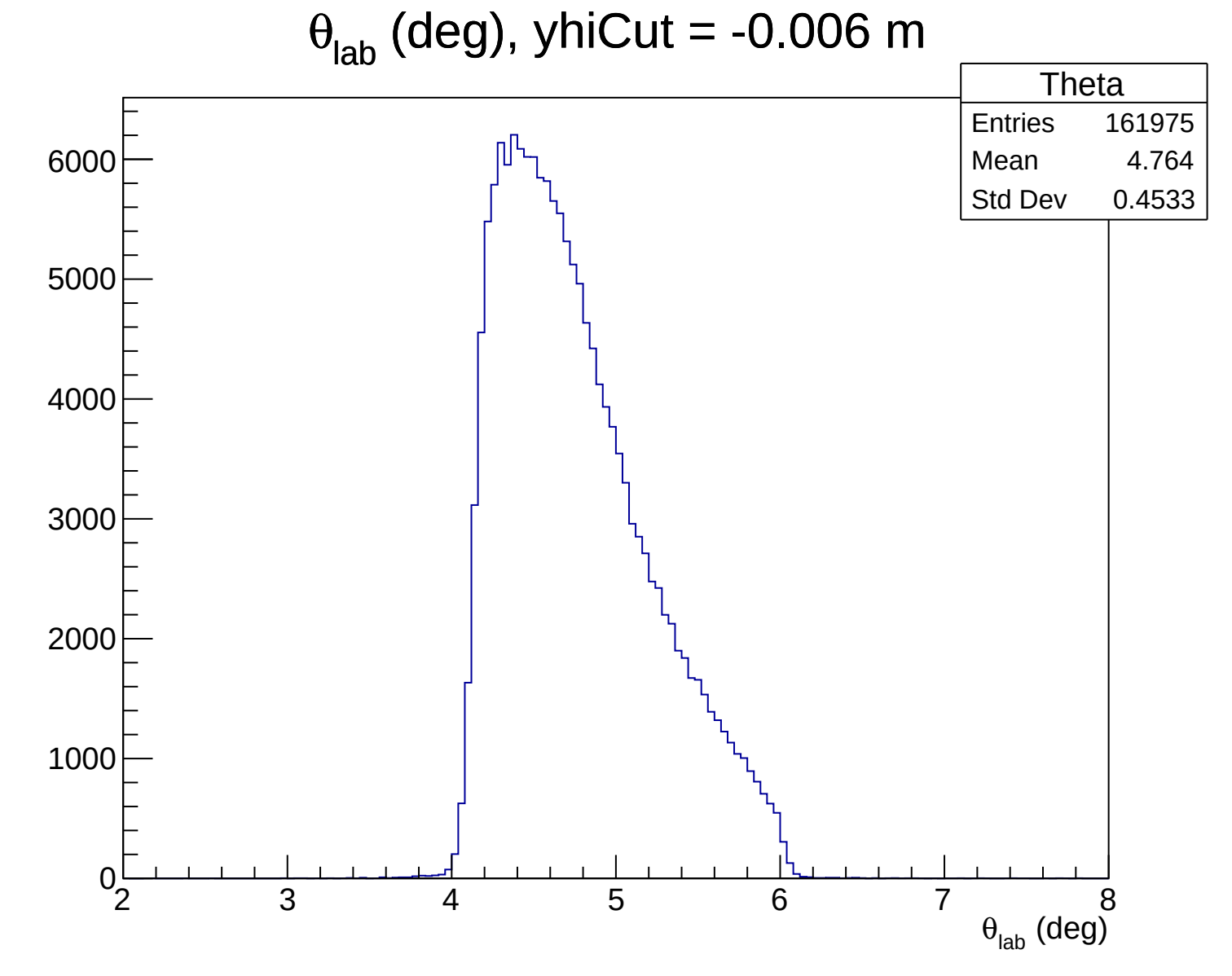

Sensitivity, yhiCut = 0.004 m
sens
Entries 162243
Mean 0.02205
Std Dev 0.003918
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

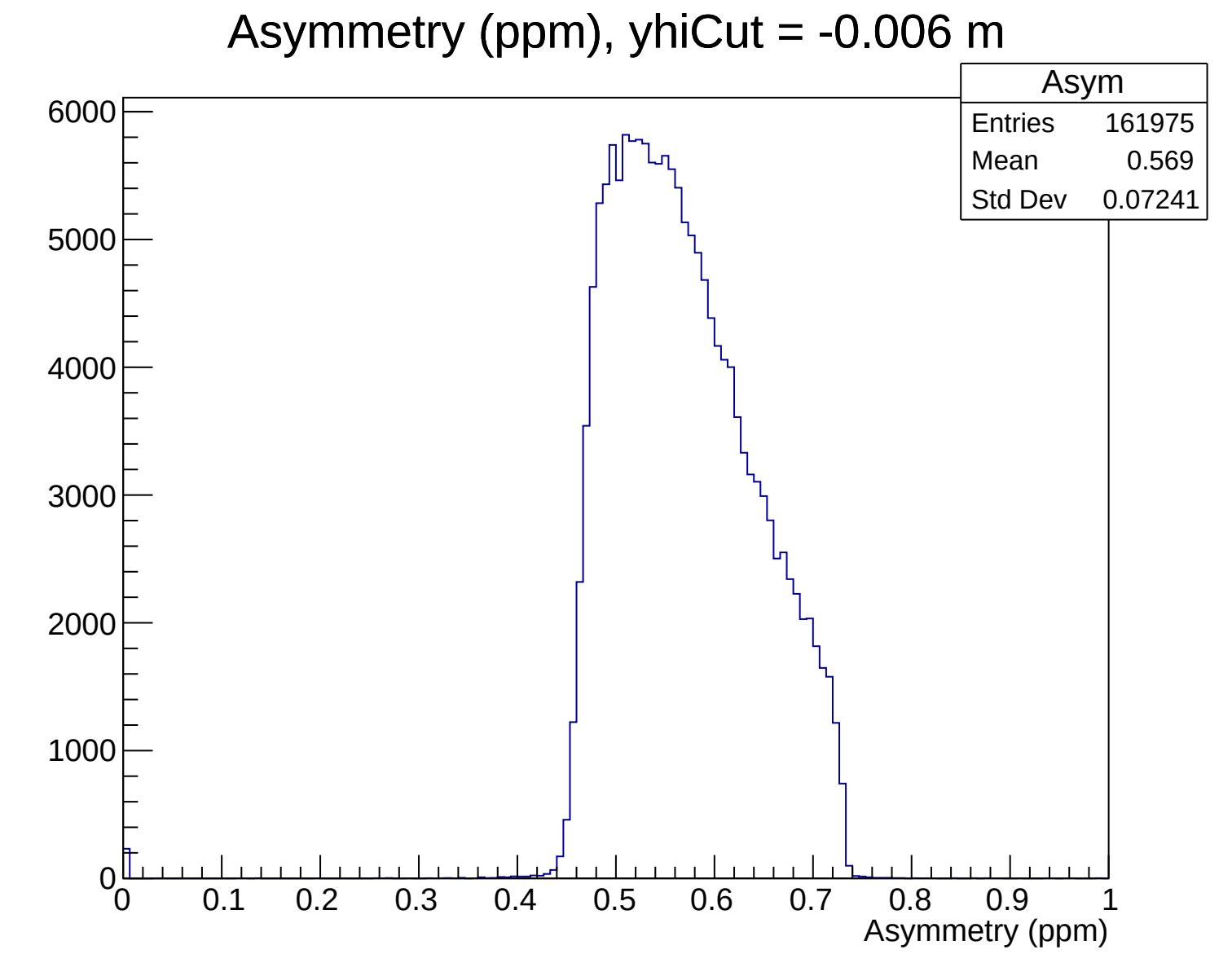

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

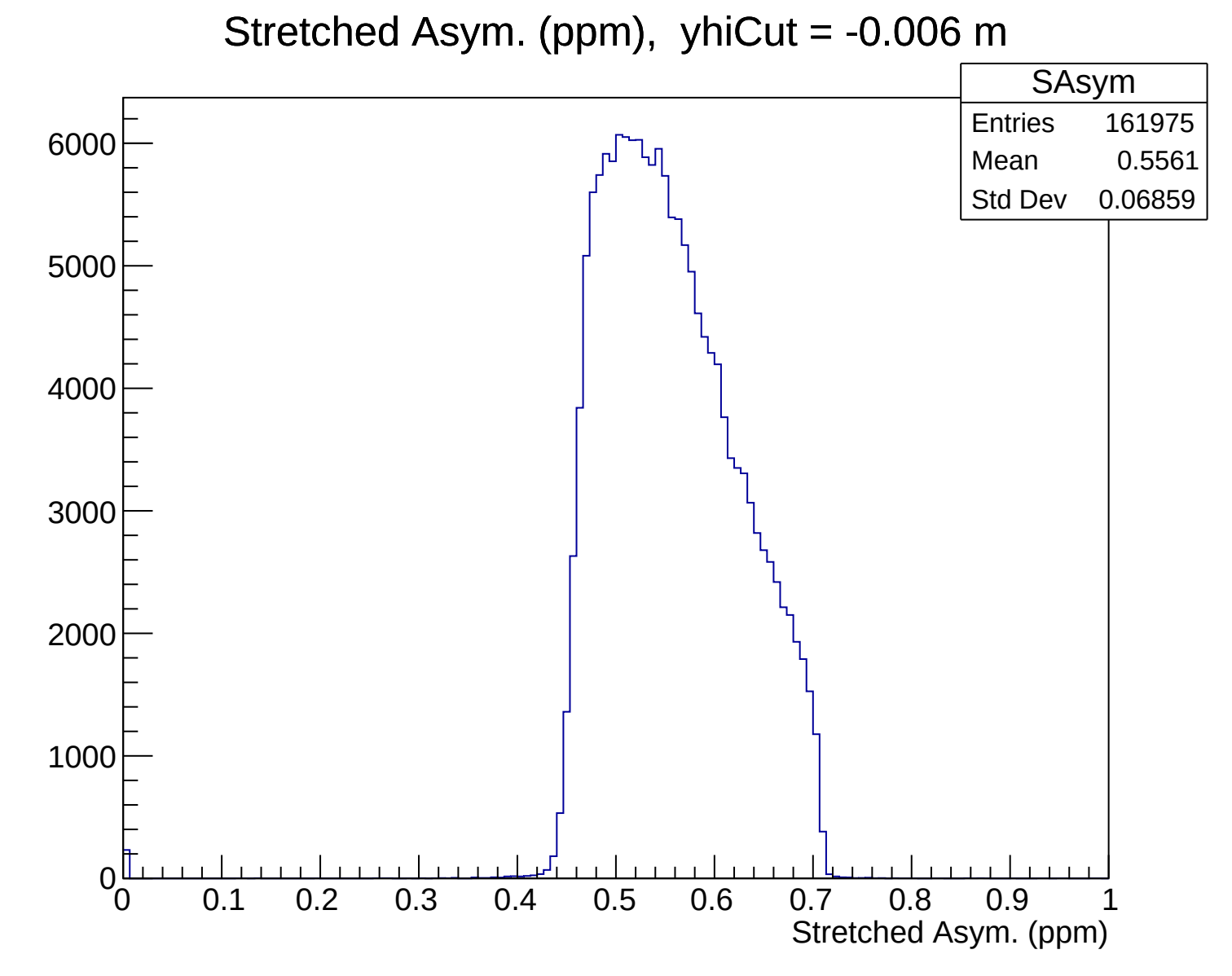

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.006
L.tr.y[0]+1.3*L.tr.ph[0] (m)

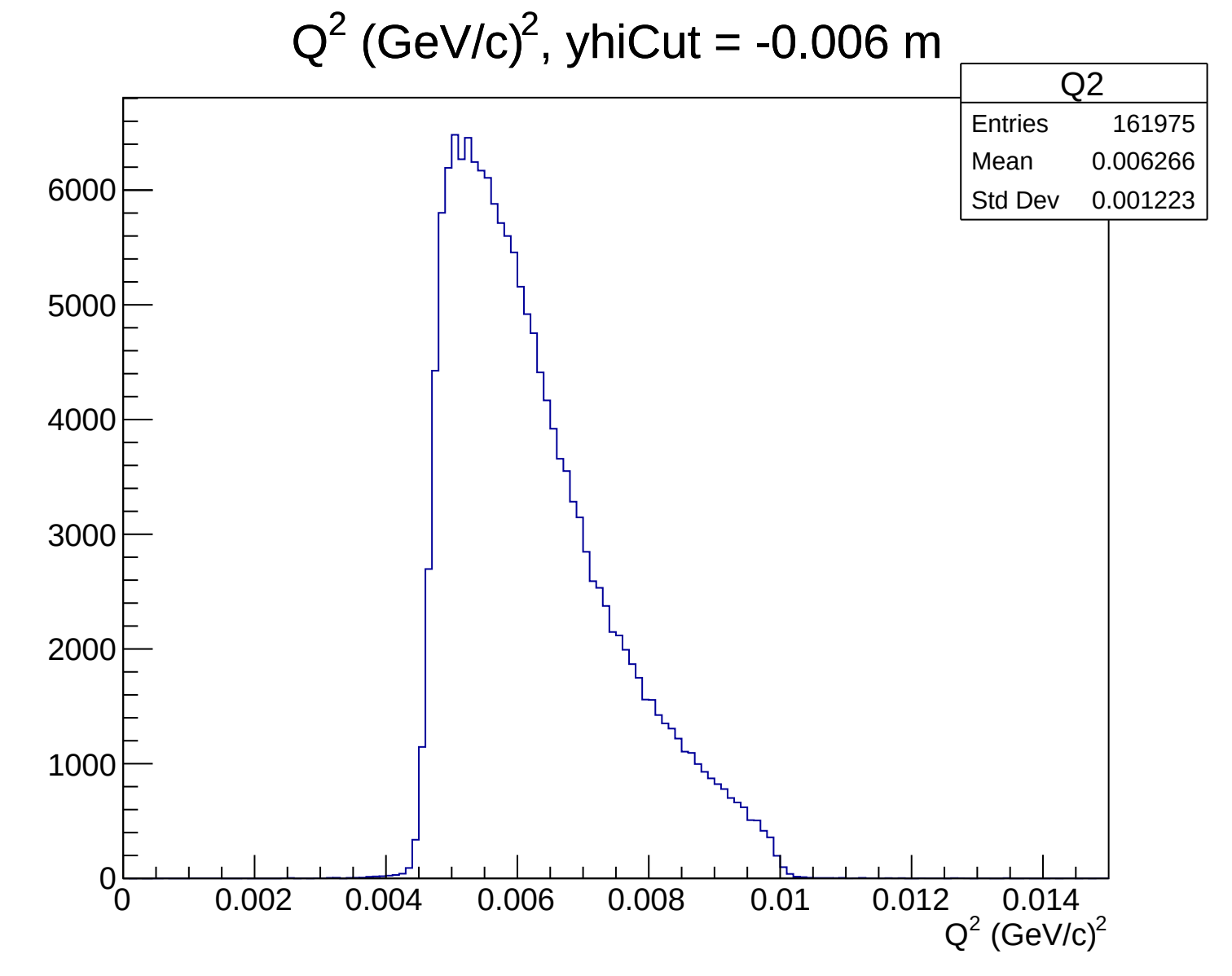

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

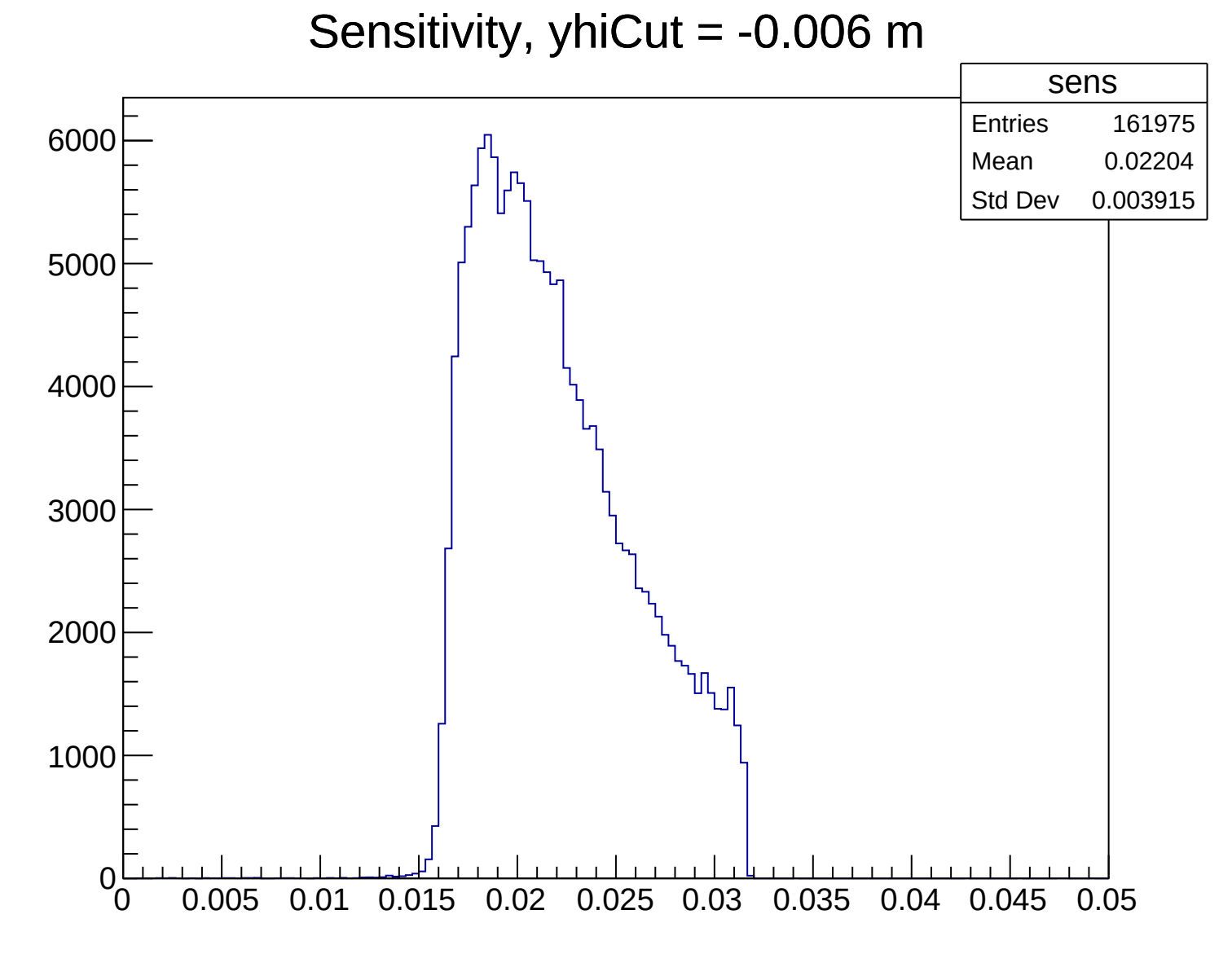

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

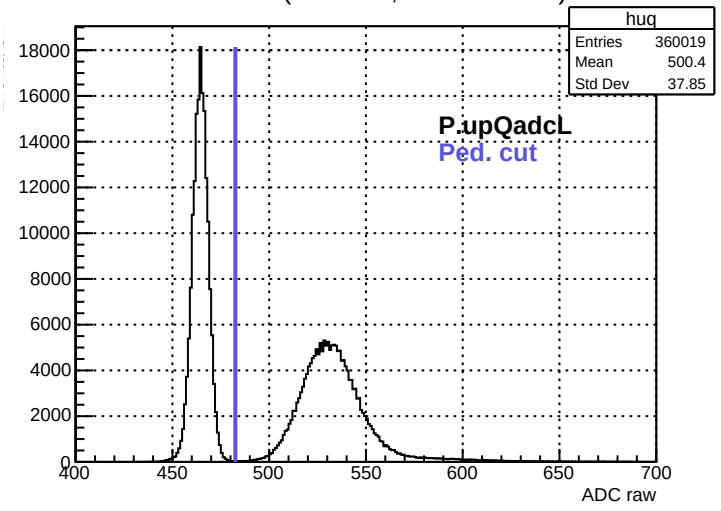

θlab (deg), yhiCut = -0.006 m
Theta
Entries 161975
Mean 4.764
Std Dev 0.4533
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

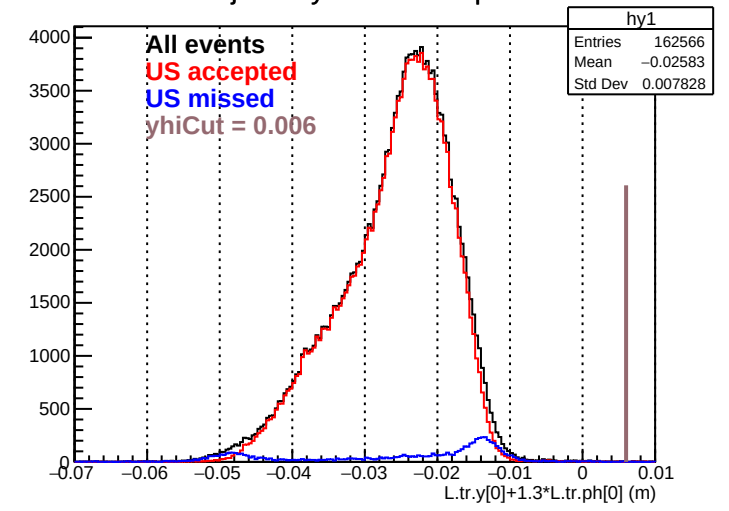

Asymmetry (ppm), yhiCut = -0.006 m
Asym
Entries 161975
Mean 0.569
Std Dev 0.07241
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

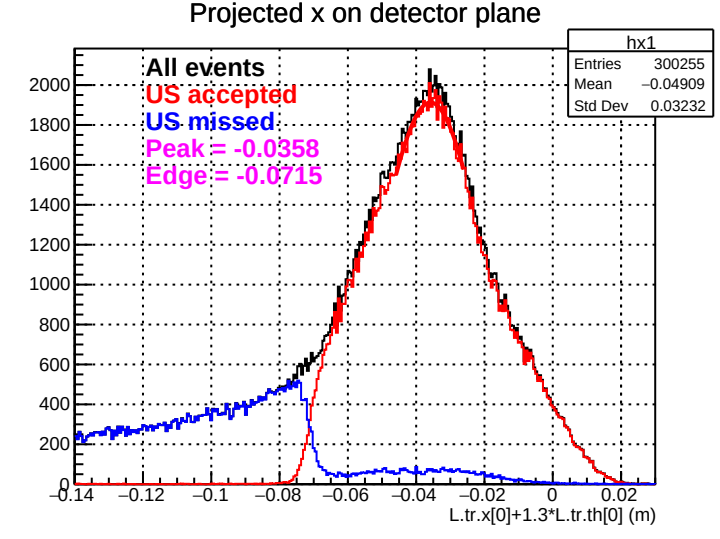

Stretched Asym. (ppm), yhiCut = -0.006 m
SAsym
Entries 161975
Mean 0.5561
Std Dev 0.06859
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

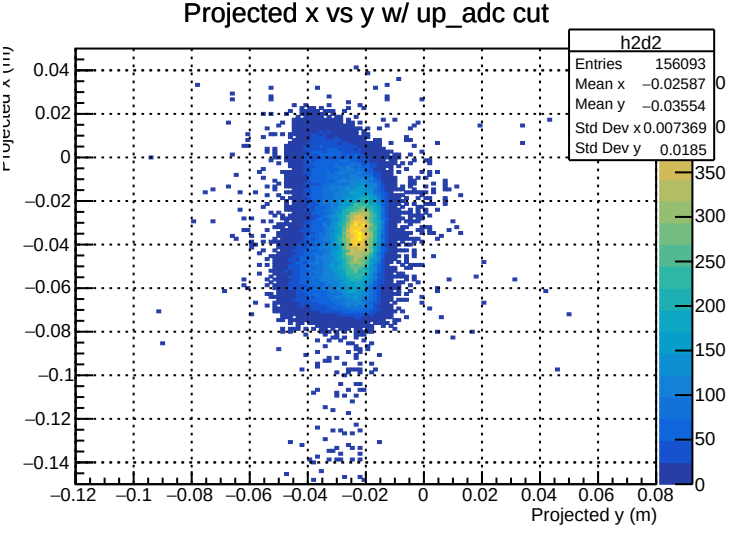

Q^2 (GeV/c)^2, yhiCut = -0.006 m
Q2
Entries 161975
Mean 0.006266
Std Dev 0.001223
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

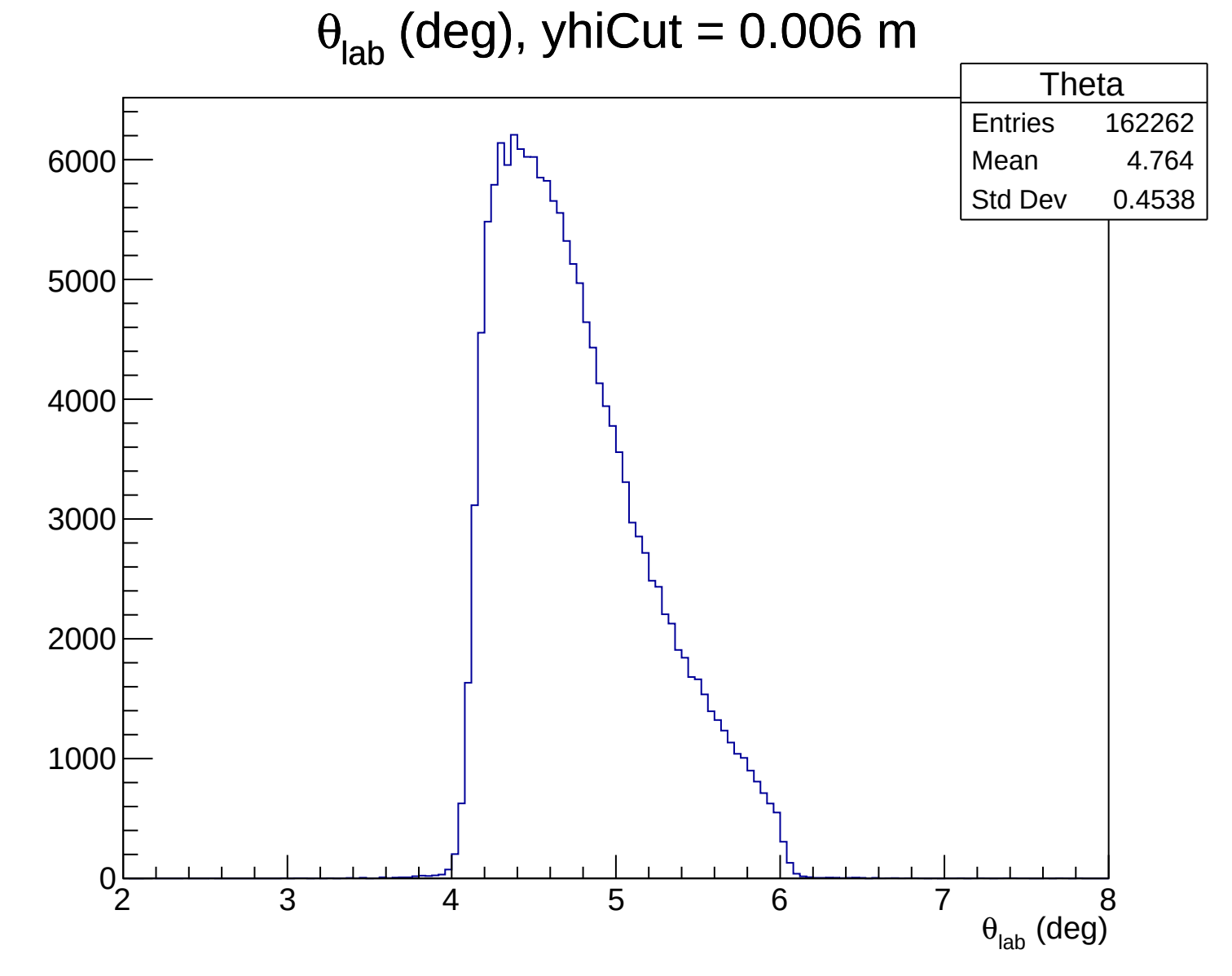

Sensitivity, yhiCut = -0.006 m
sens
Entries 161975
Mean 0.02204
Std Dev 0.003915
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

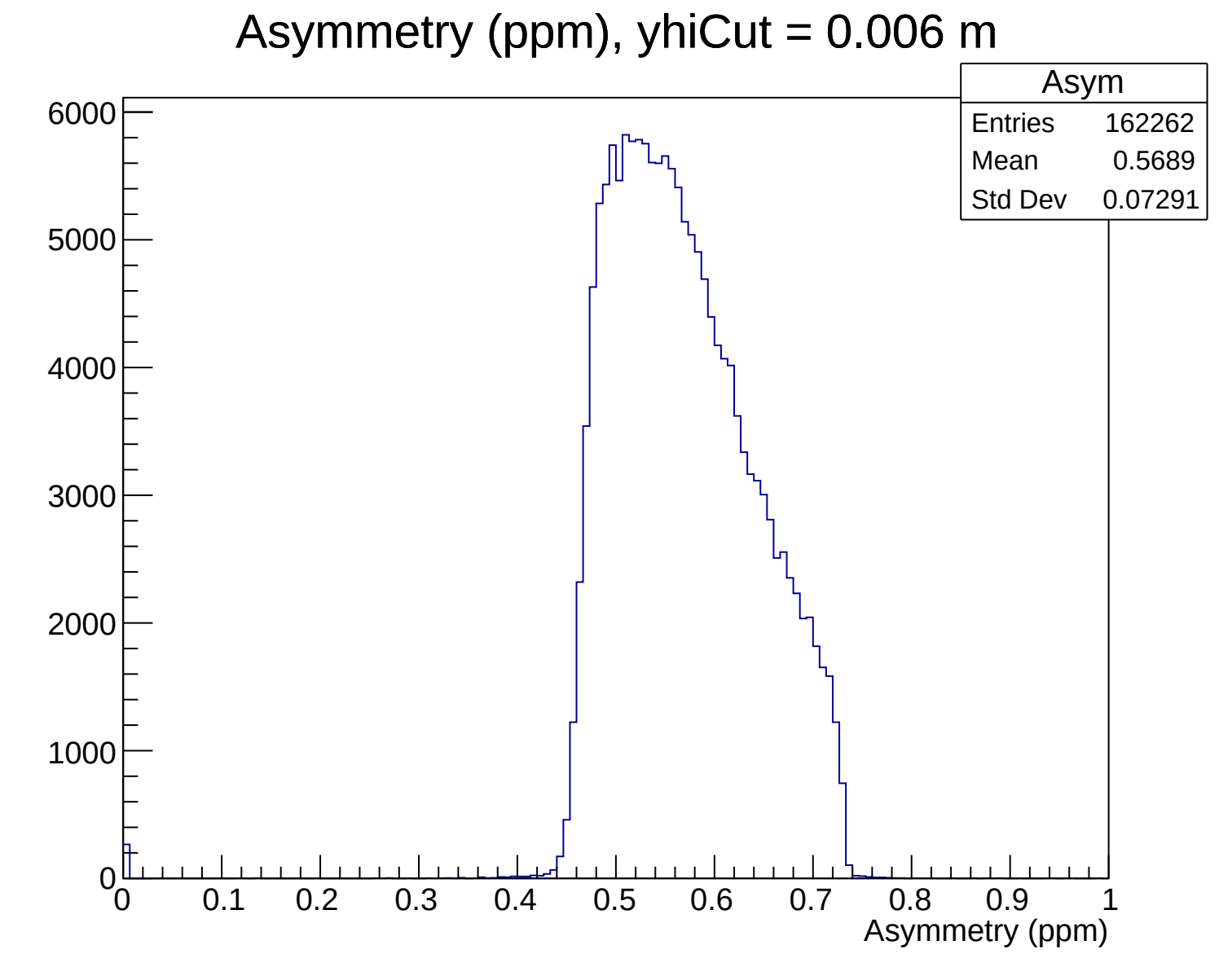

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

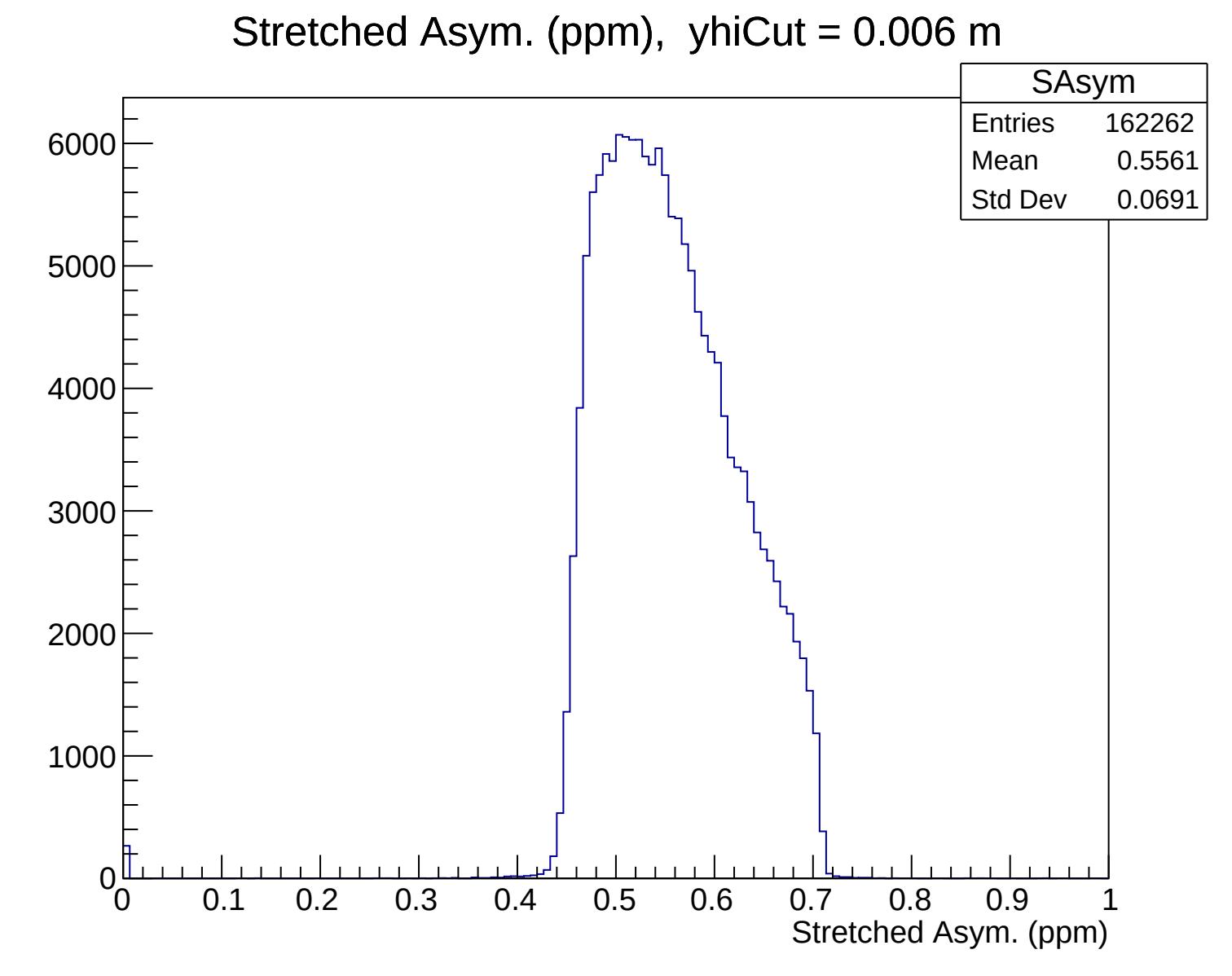

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = 0.006
L.tr.y[0]+1.3*L.tr.ph[0] (m)

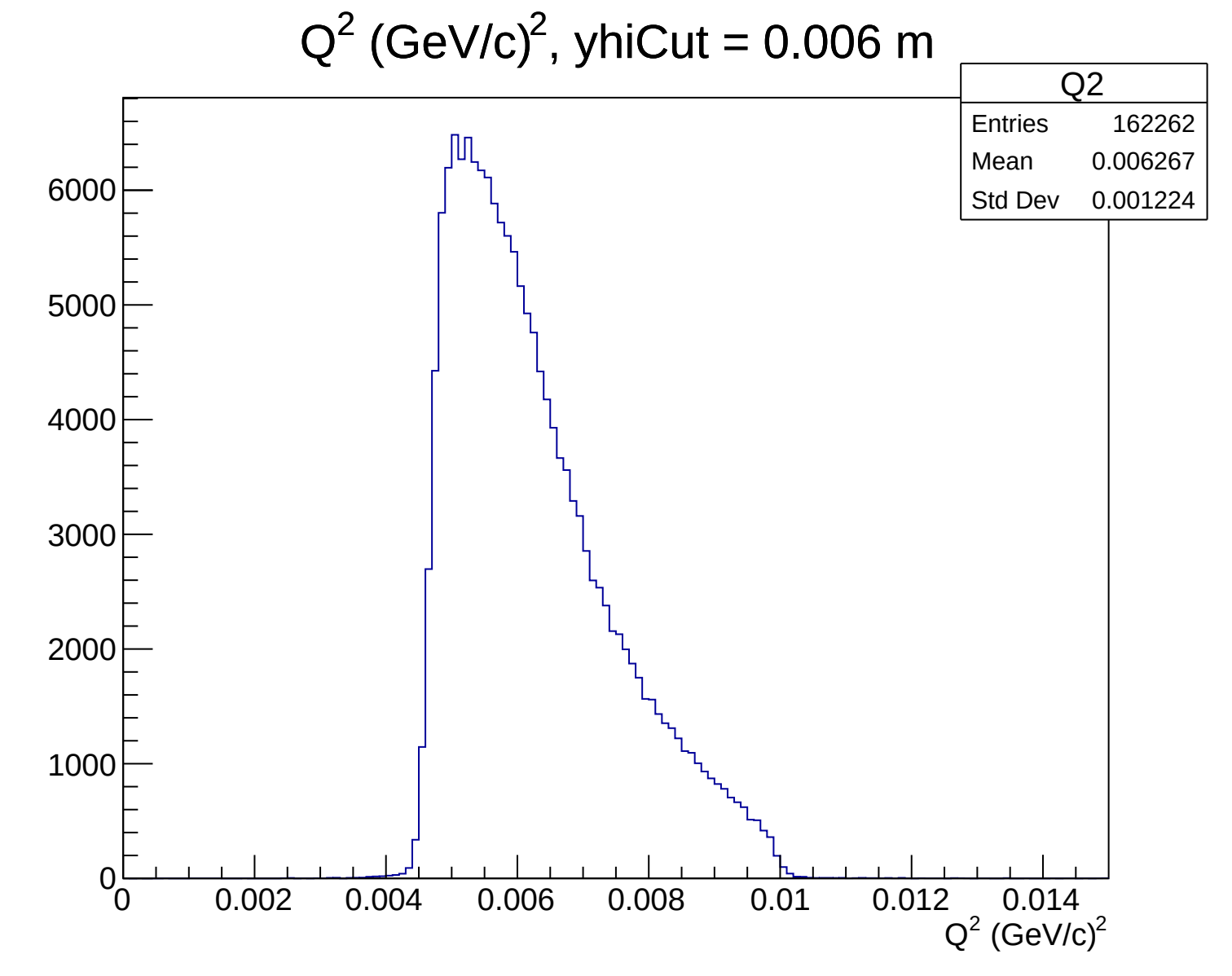

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

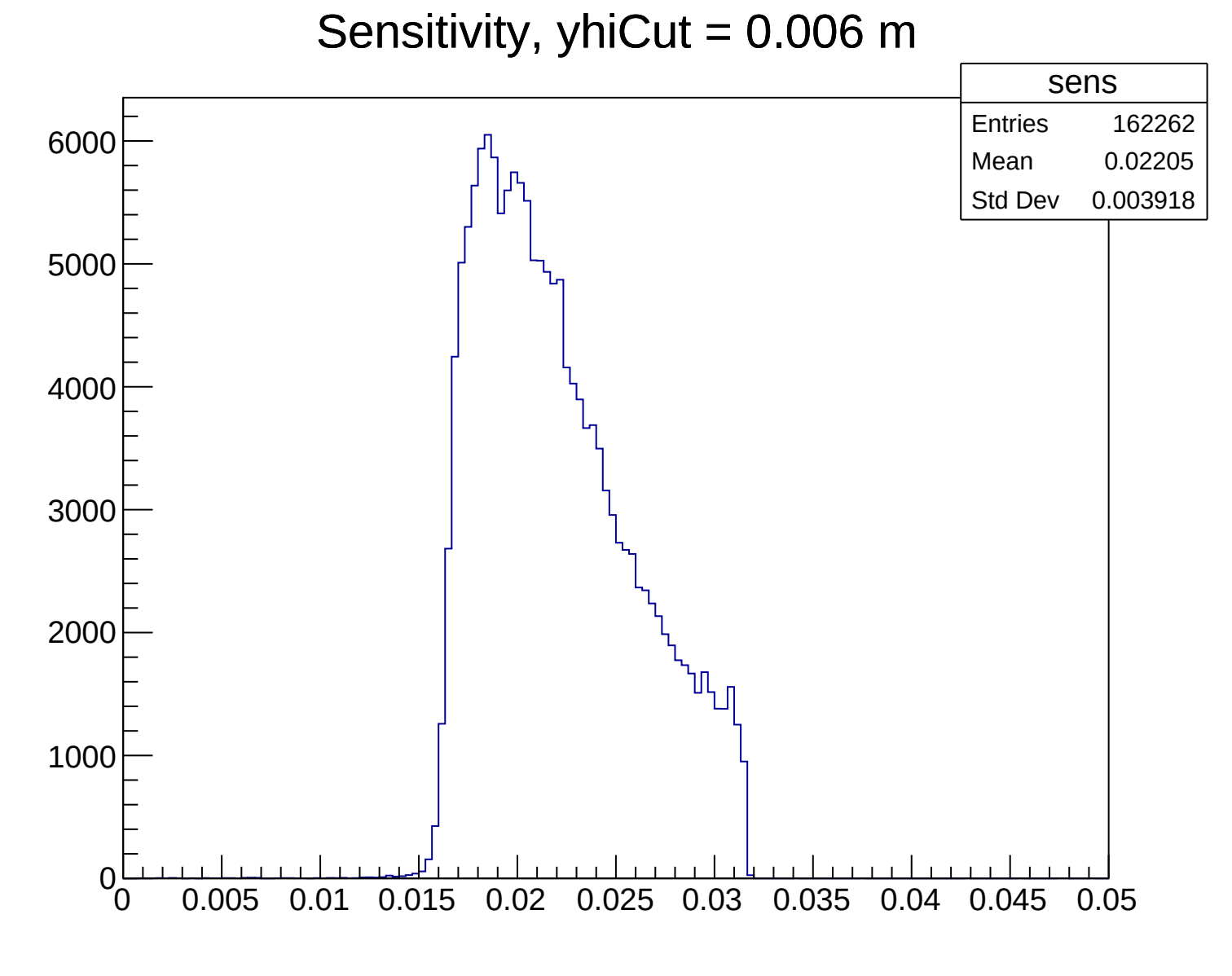

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

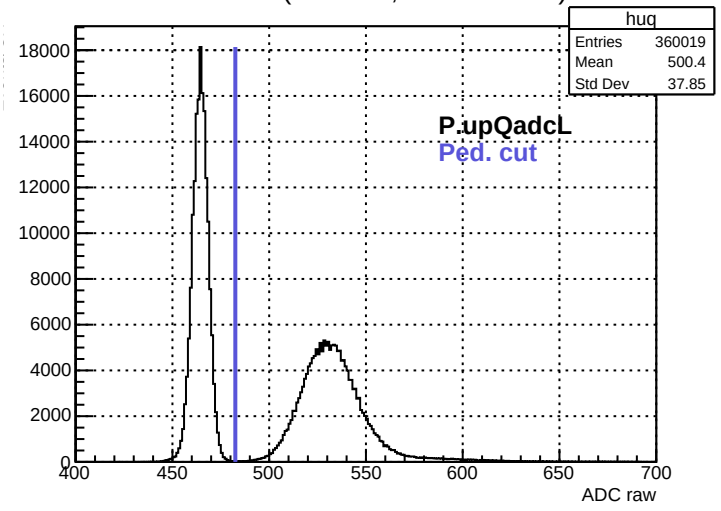

θlab (deg), yhiCut = 0.006 m
Theta
Entries 162262
Mean 4.764
Std Dev 0.4538
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

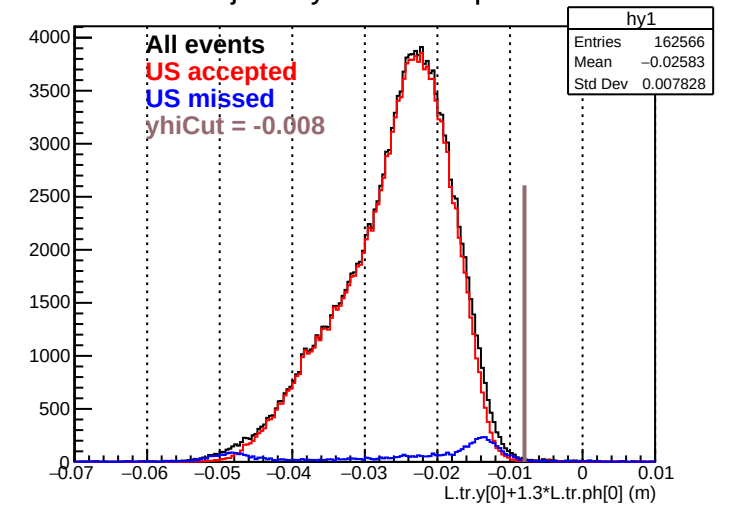

Asymmetry (ppm), yhiCut = 0.006 m
Asym
Entries 162262
Mean 0.5689
Std Dev 0.07291
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

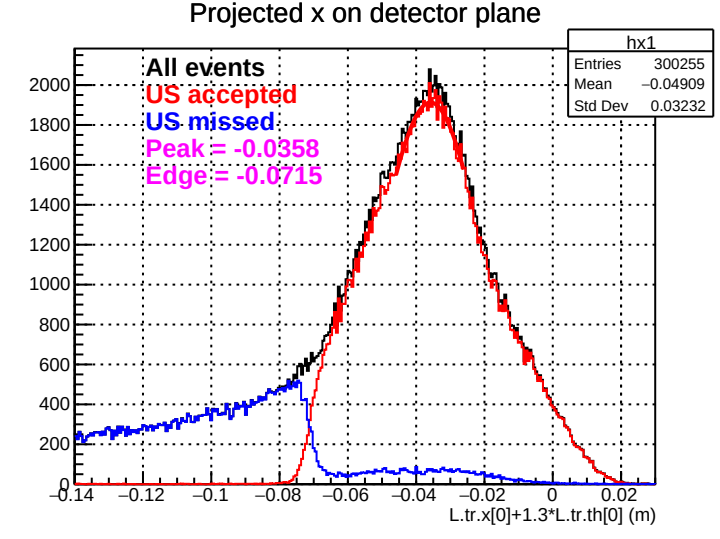

Stretched Asym. (ppm), yhiCut = 0.006 m
SAsym
Entries 162262
Mean 0.5561
Std Dev 0.0691
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

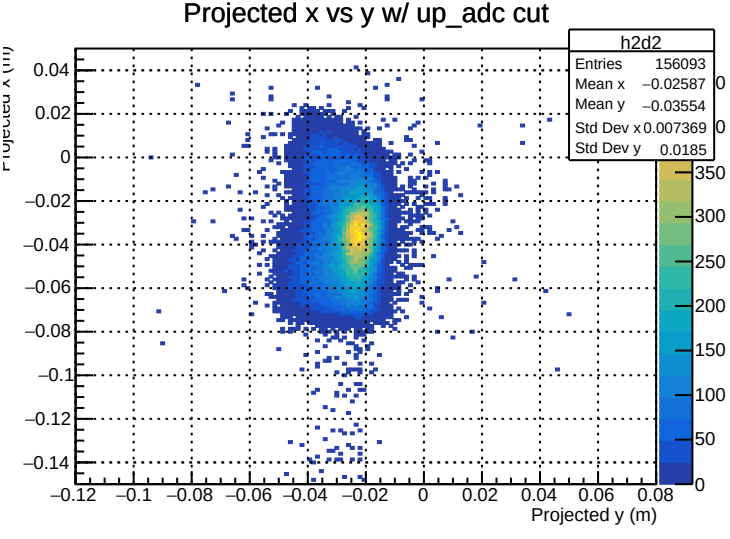

Q^2 (GeV/c)^2, yhiCut = 0.006 m
Q2
Entries 162262
Mean 0.006267
Std Dev 0.001224
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

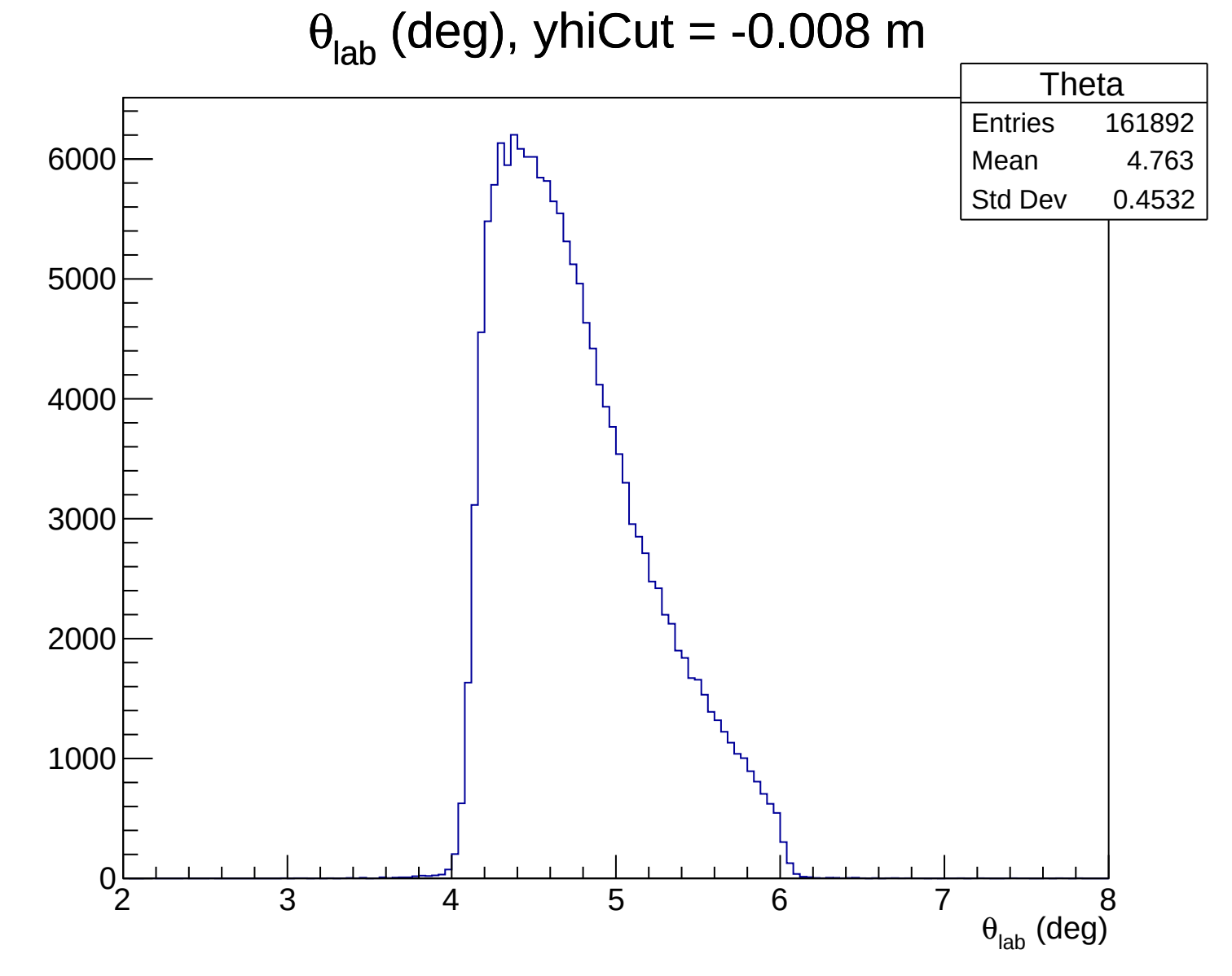

Sensitivity, yhiCut = 0.006 m
sens
Entries 162262
Mean 0.02205
Std Dev 0.003918
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

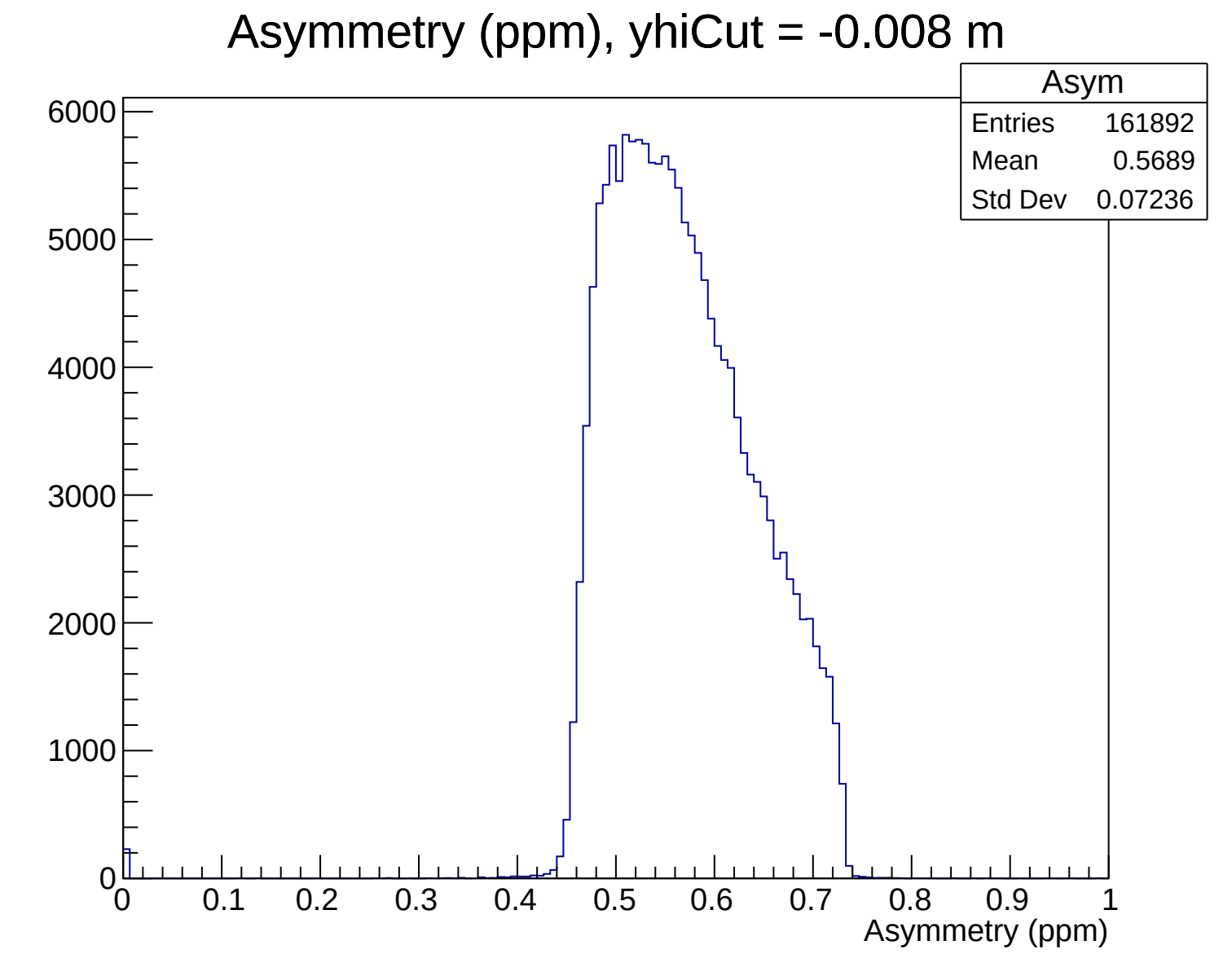

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

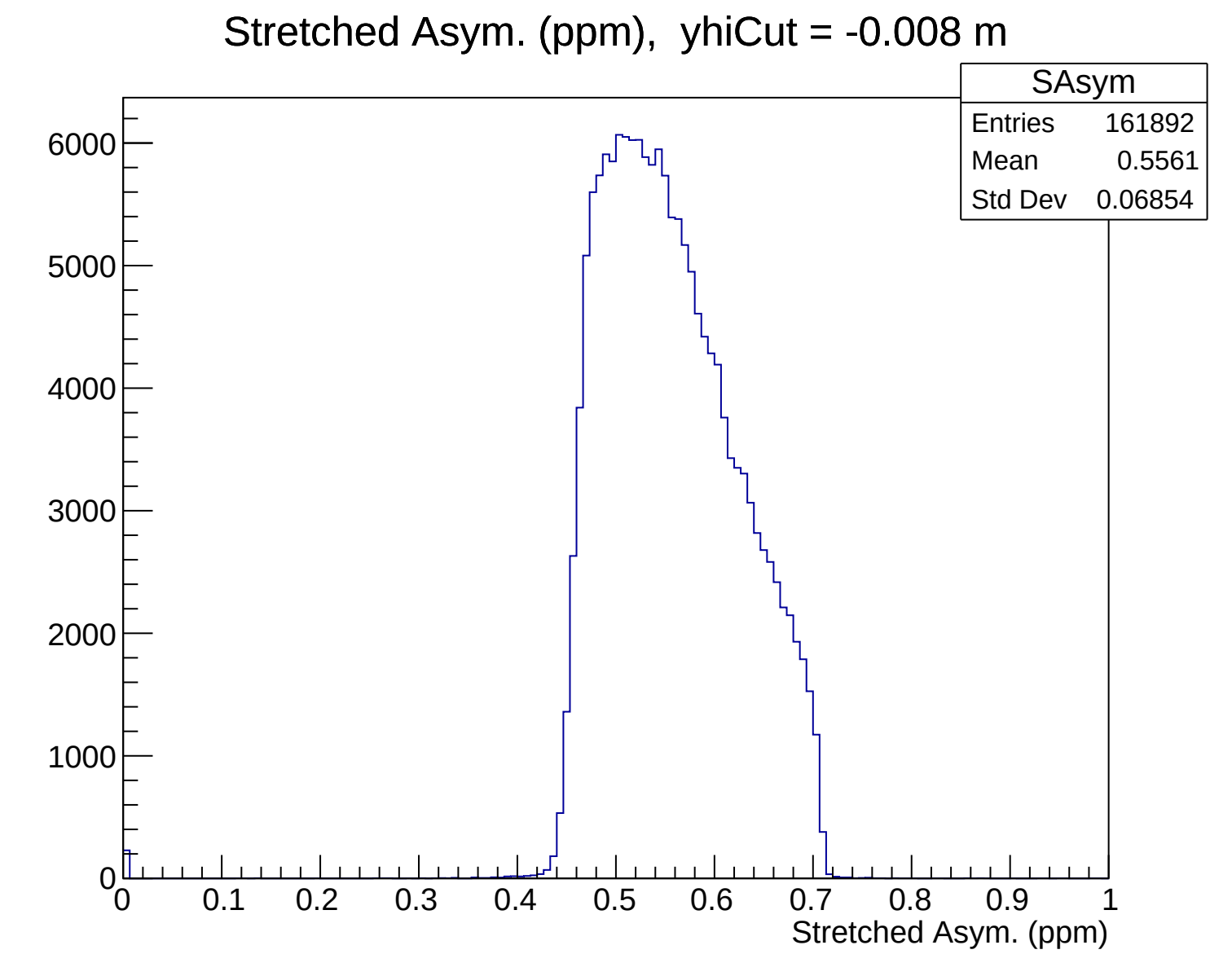

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.008
L.tr.y[0]+1.3*L.tr.ph[0] (m)

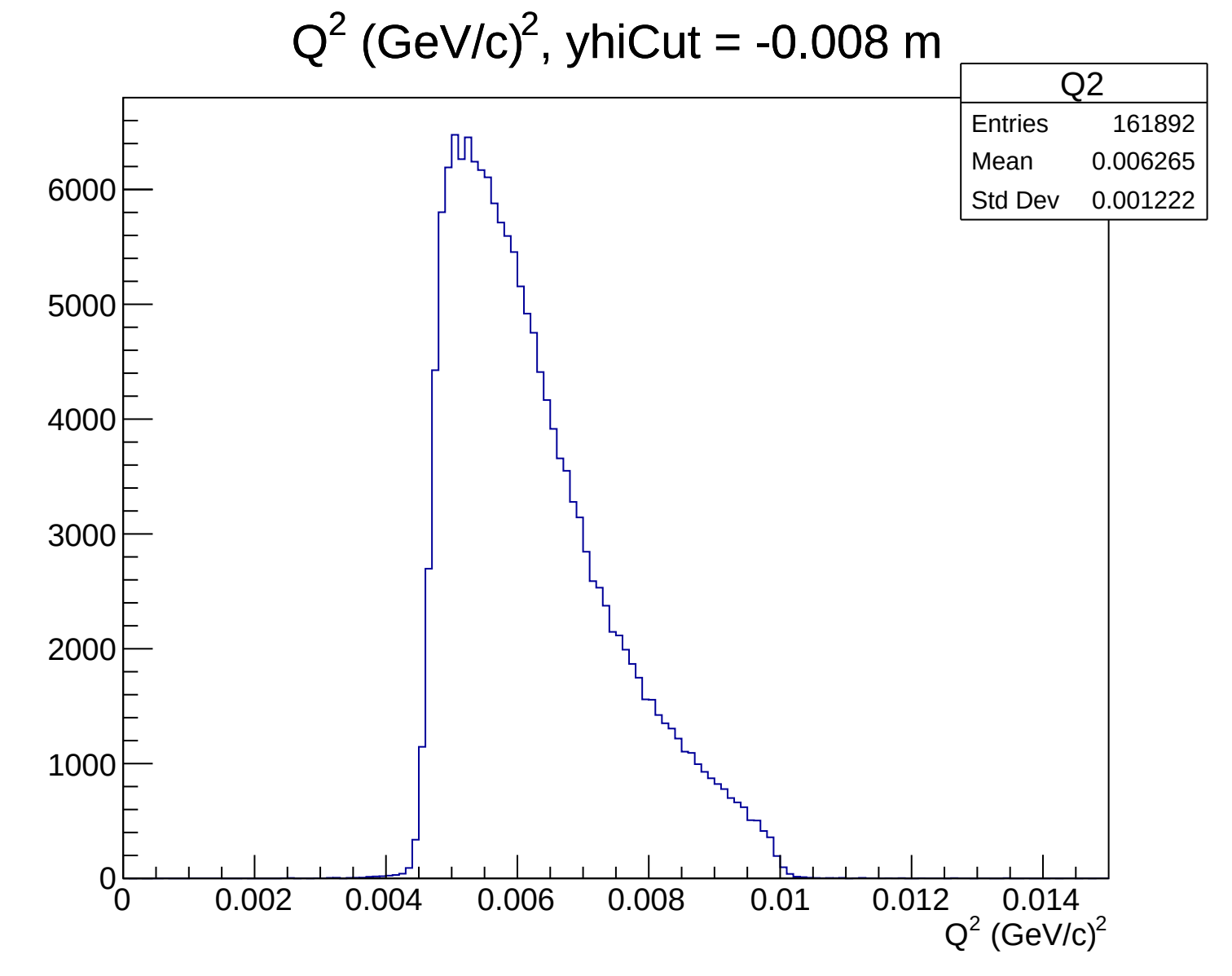

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

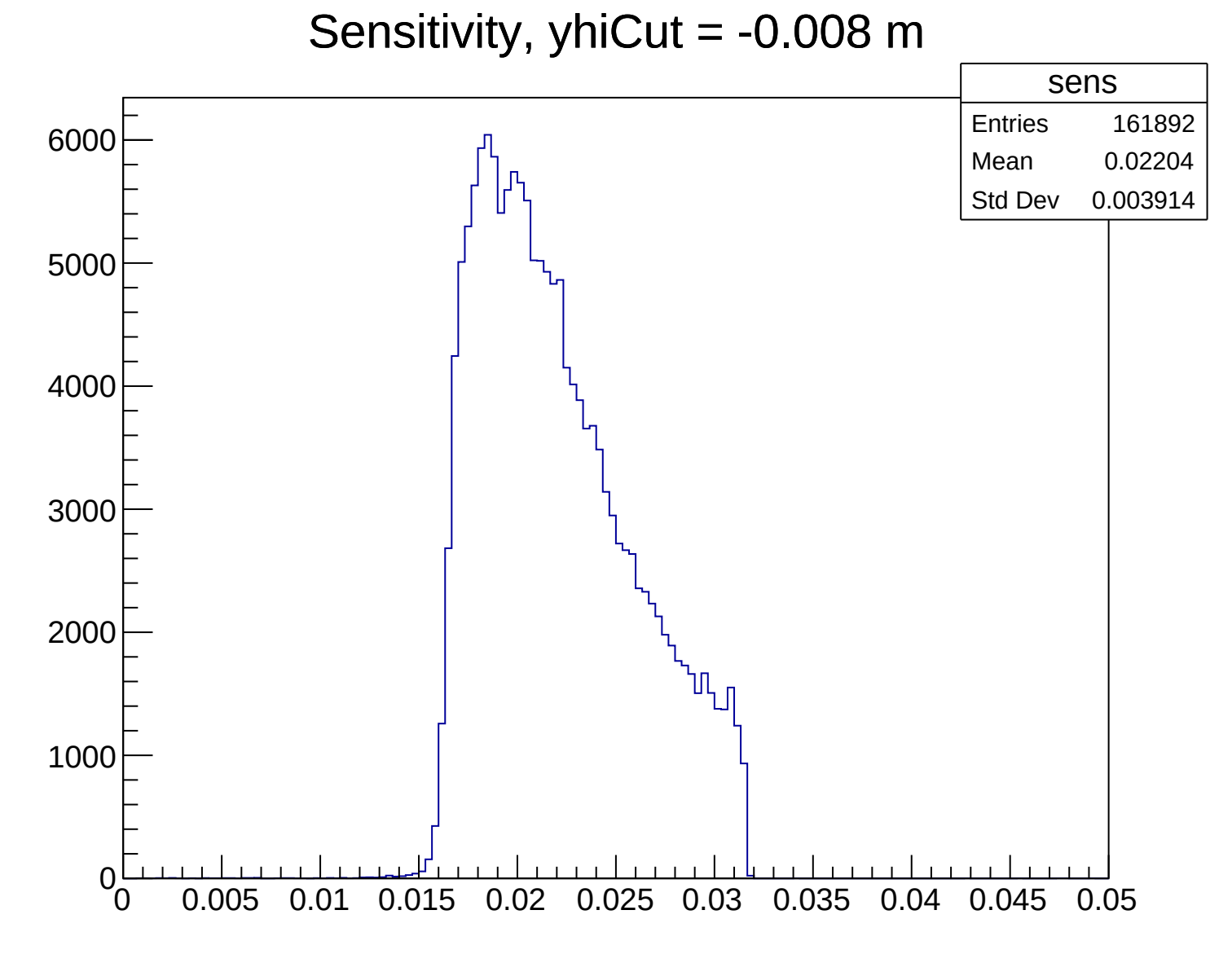

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

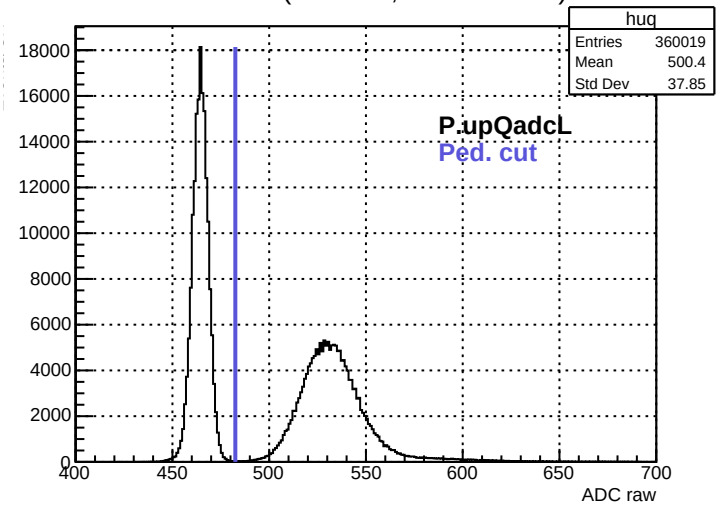

θlab (deg), yhiCut = -0.008 m
Theta
Entries 161892
Mean 4.763
Std Dev 0.4532
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

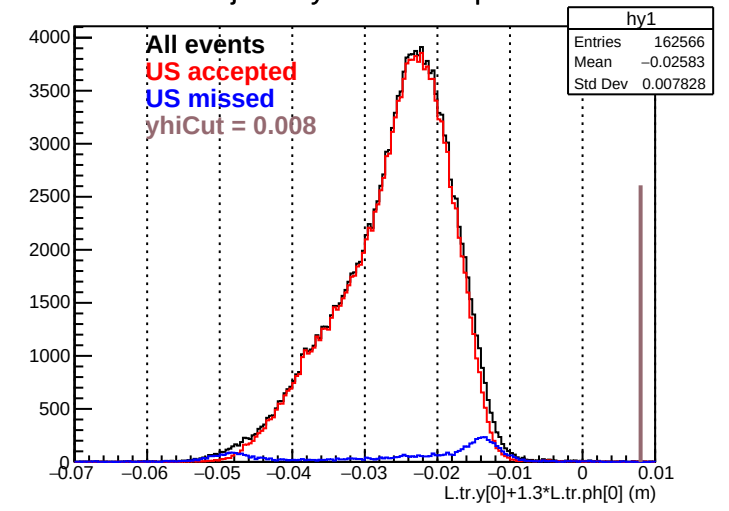

Asymmetry (ppm), yhiCut = -0.008 m
Asym
Entries 161892
Mean 0.5689
Std Dev 0.07236
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

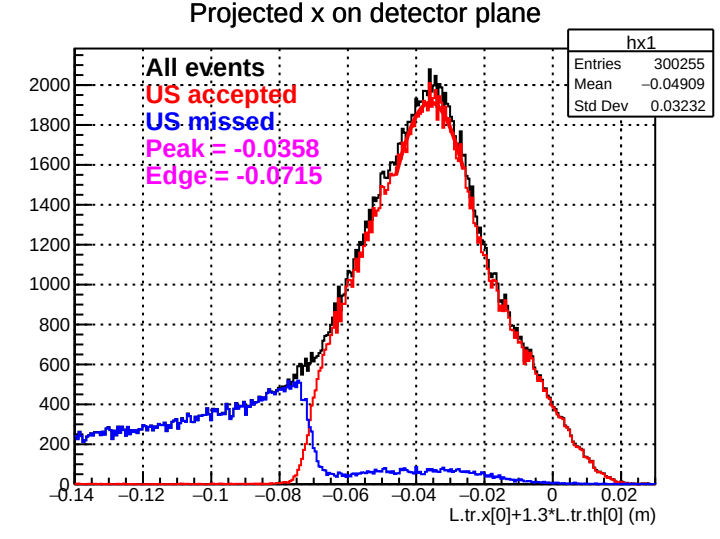

Stretched Asym. (ppm), yhiCut = -0.008 m
SAsym
Entries 161892
Mean 0.5561
Std Dev 0.06854
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

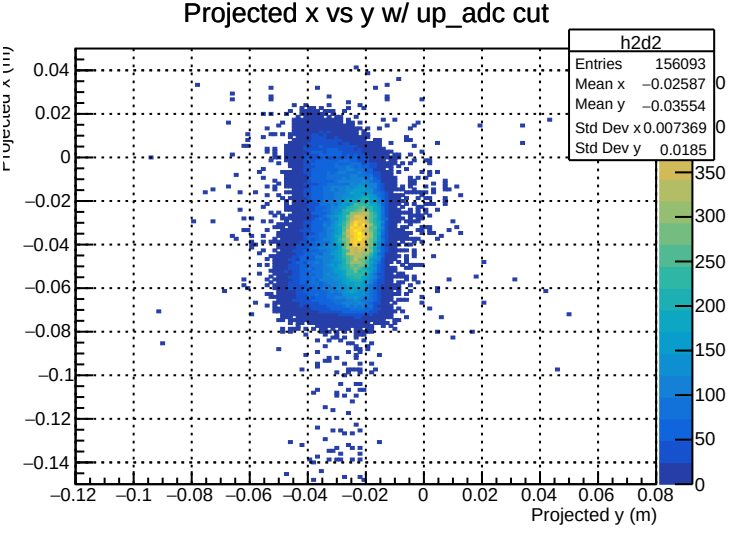

Q^2 (GeV/c)^2, yhiCut = -0.008 m
Q2
Entries 161892
Mean 0.006265
Std Dev 0.001222
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

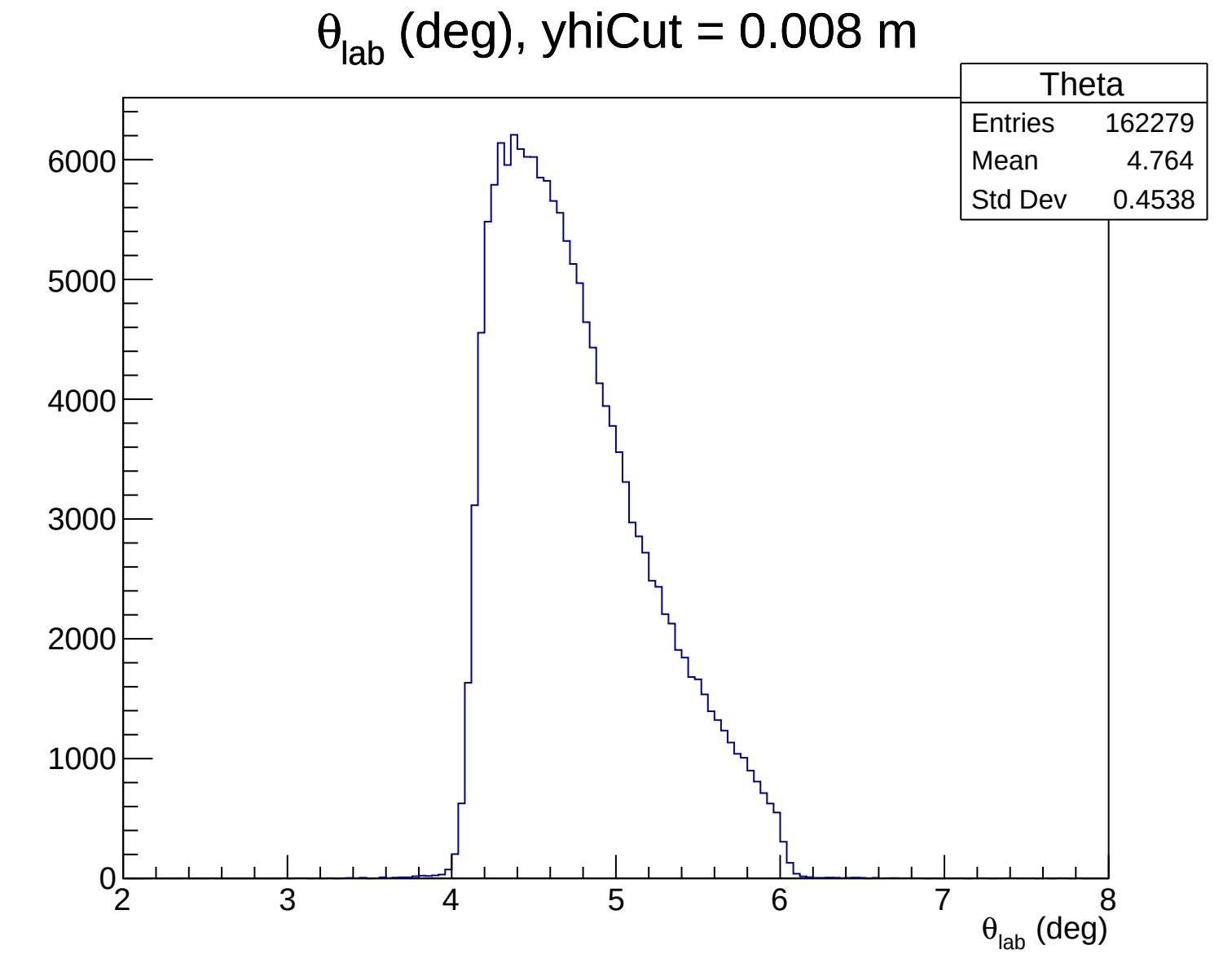

Sensitivity, yhiCut = -0.008 m
sens
Entries 161892
Mean 0.02204
Std Dev 0.003914
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

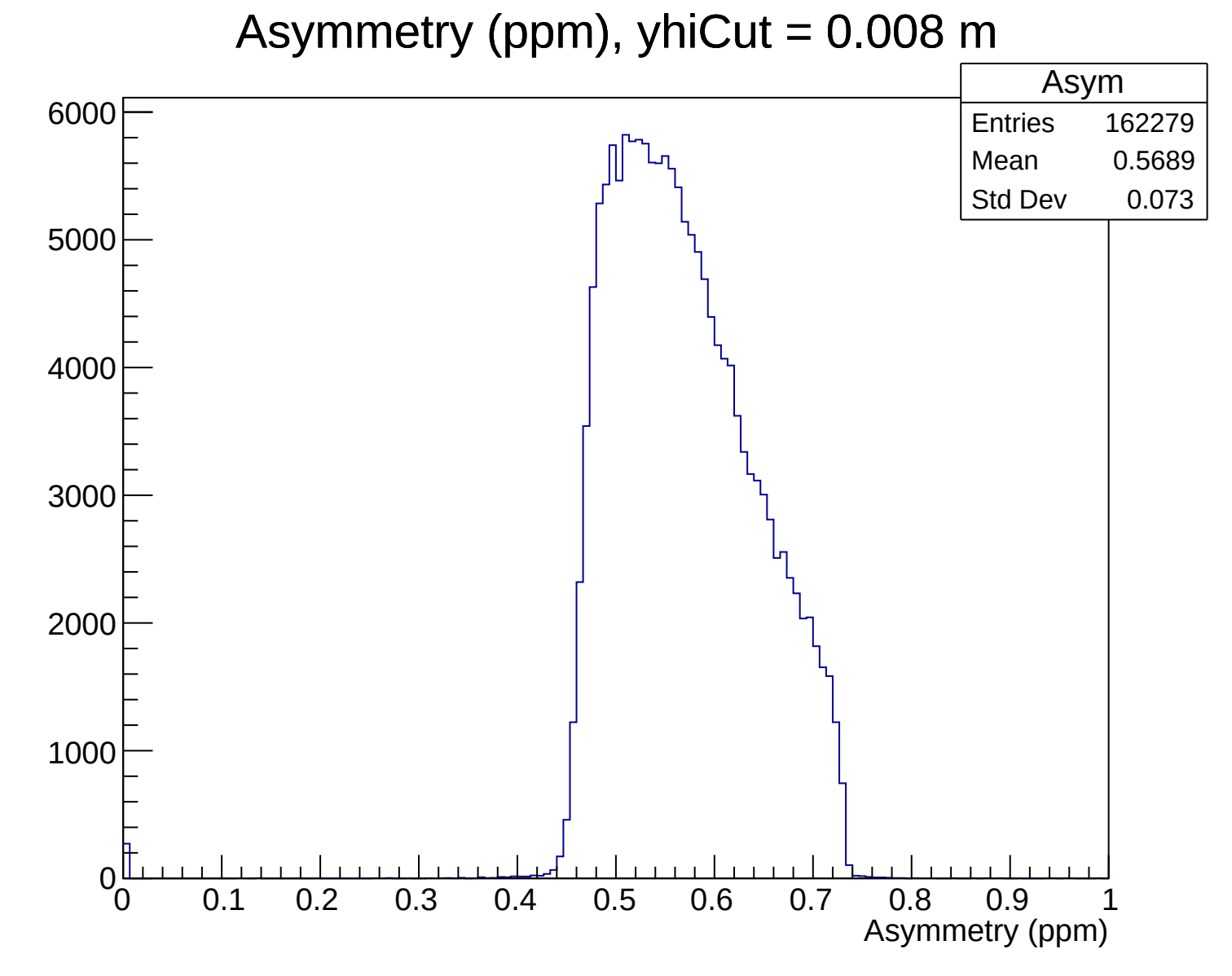

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

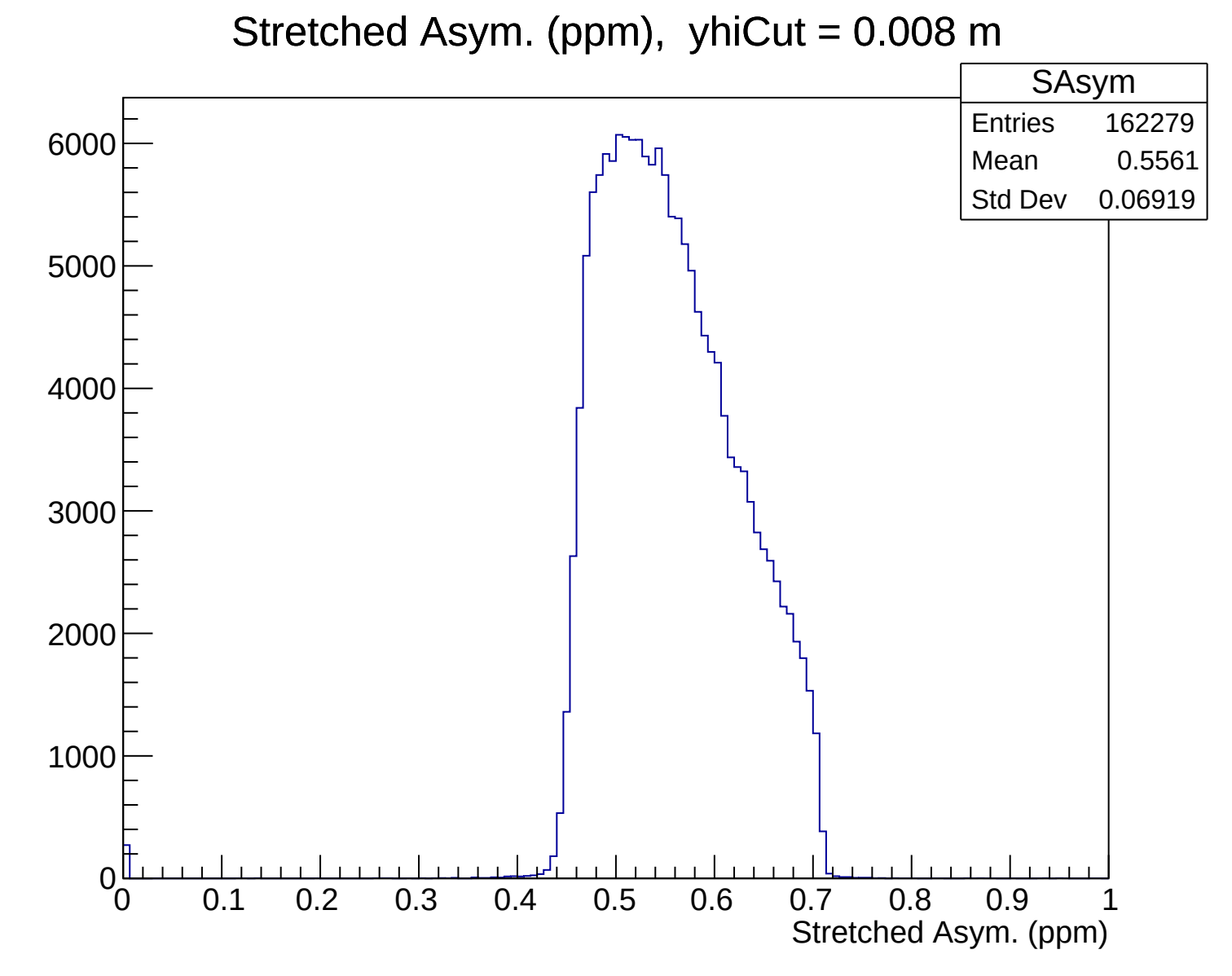

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = 0.008
L.tr.y[0]+1.3*L.tr.ph[0] (m)

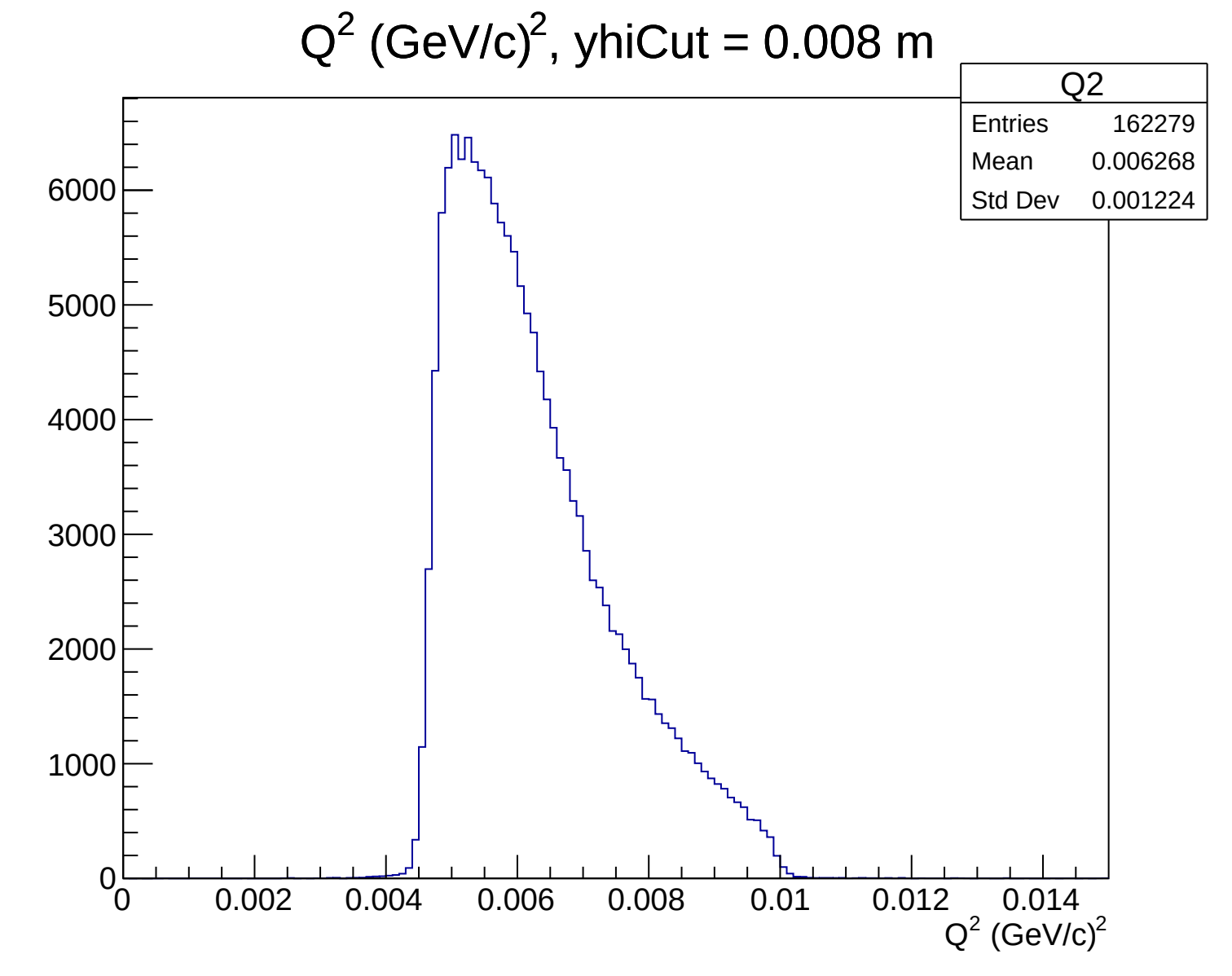

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

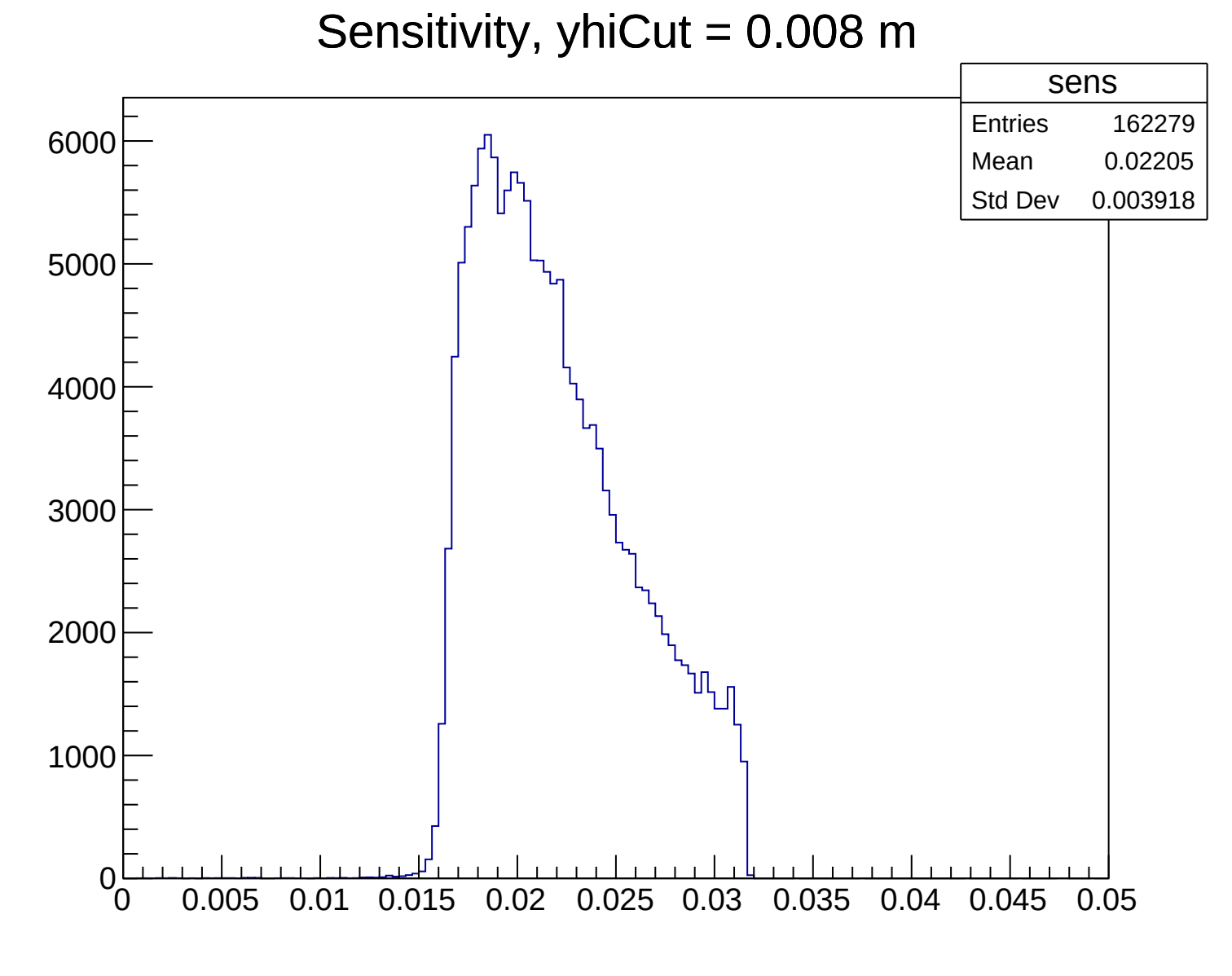

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

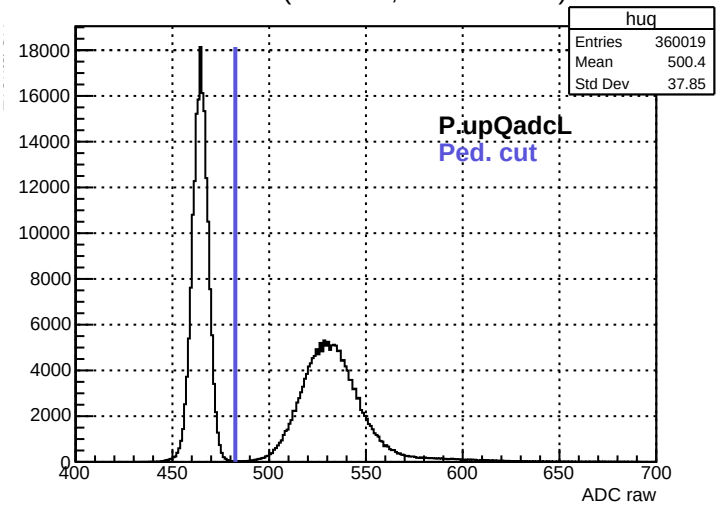

θlab (deg), yhiCut = 0.008 m
Theta
Entries 162279
Mean 4.764
Std Dev 0.4538
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

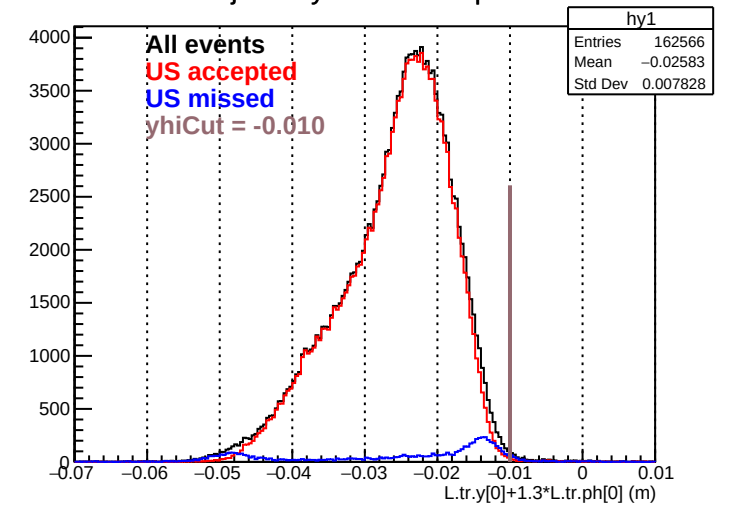

Asymmetry (ppm), yhiCut = 0.008 m
Asym
Entries 162279
Mean 0.5689
Std Dev 0.073
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

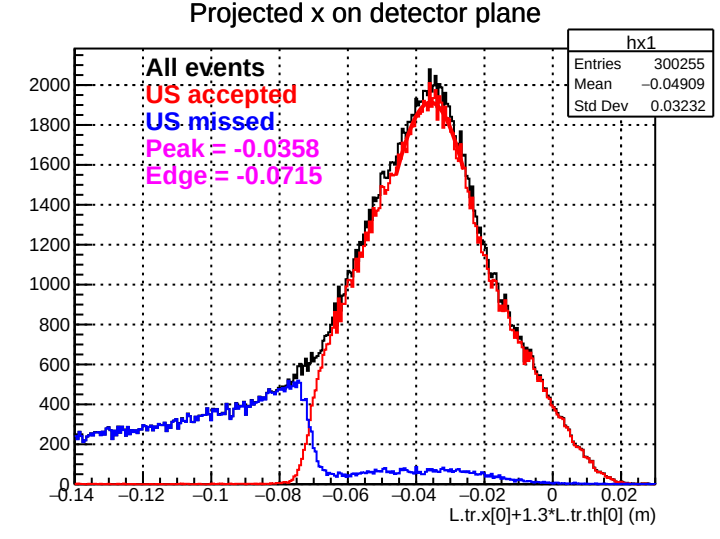

Stretched Asym. (ppm), yhiCut = 0.008 m
SAsym
Entries 162279
Mean 0.5561
Std Dev 0.06919
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

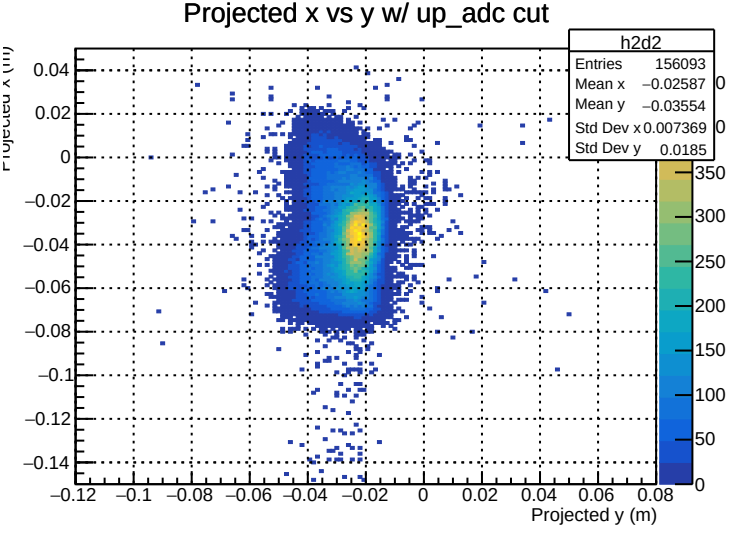

Q^2 $(GeV/c)^2$, yhiCut = 0.008 m
Q2
Entries 162279
Mean 0.006268
Std Dev 0.001224
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

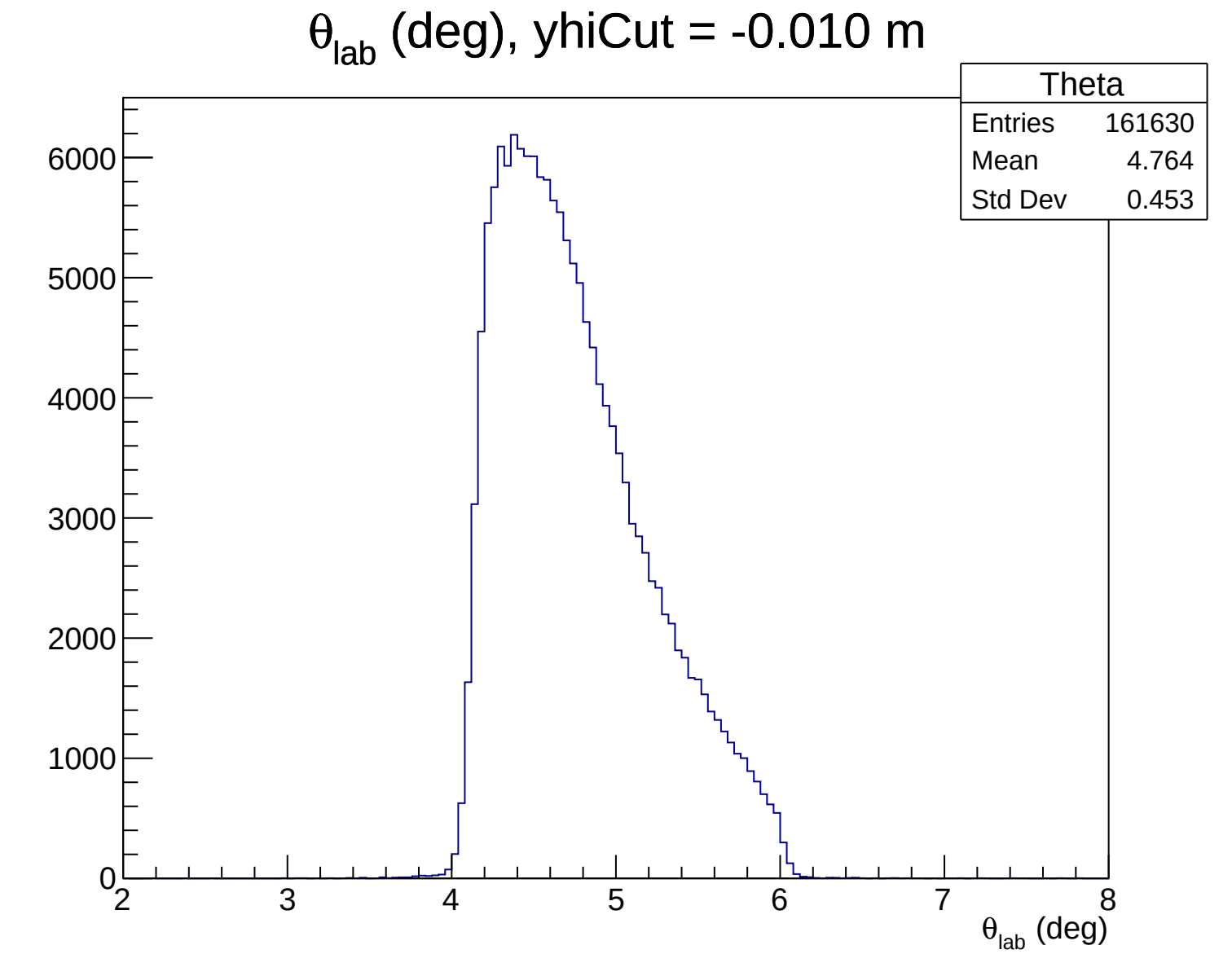

Sensitivity, yhiCut = 0.008 m
sens
Entries 162279
Mean 0.02205
Std Dev 0.003918
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

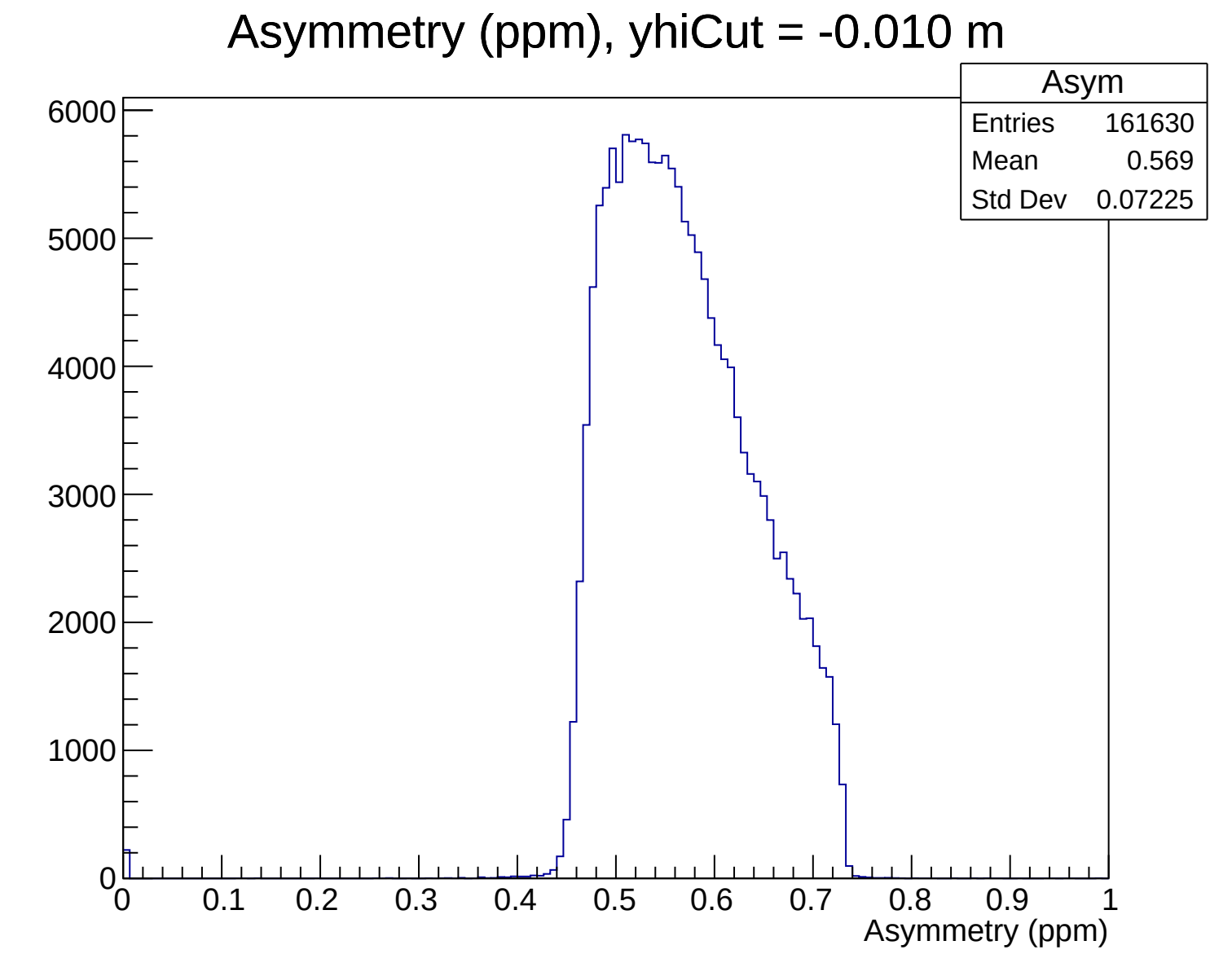

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

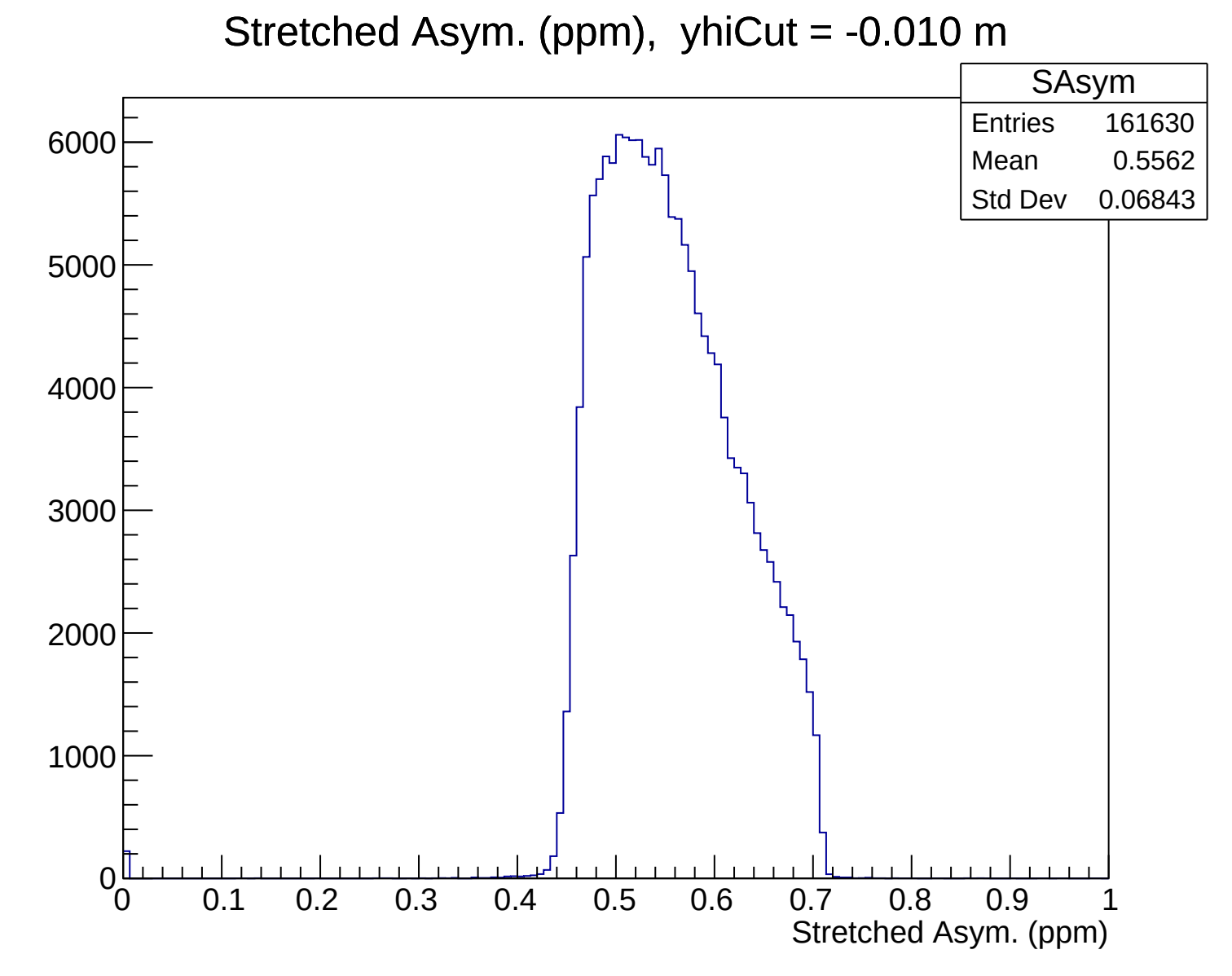

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.010
L.tr.y[0]+1.3*L.tr.ph[0] (m)

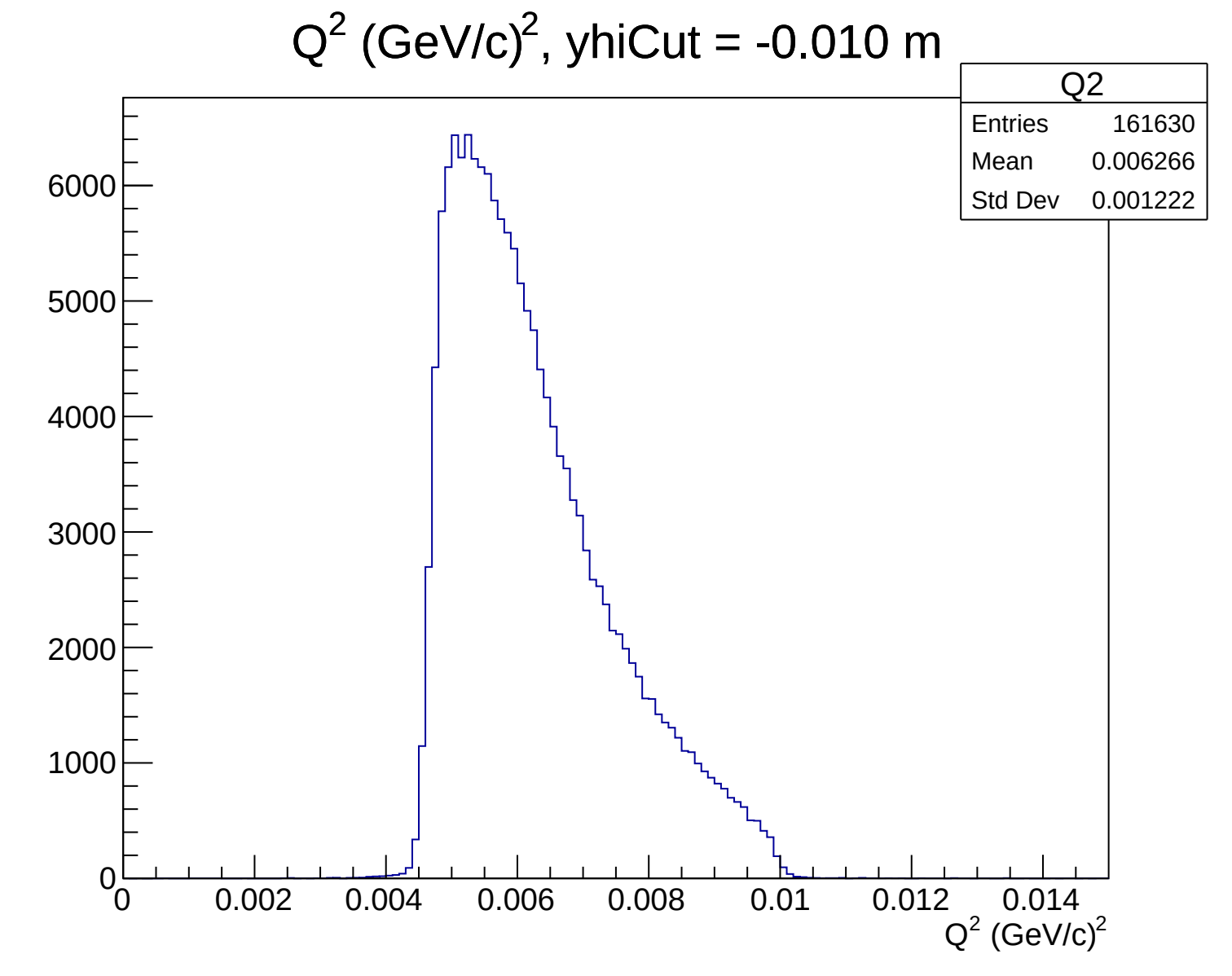

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

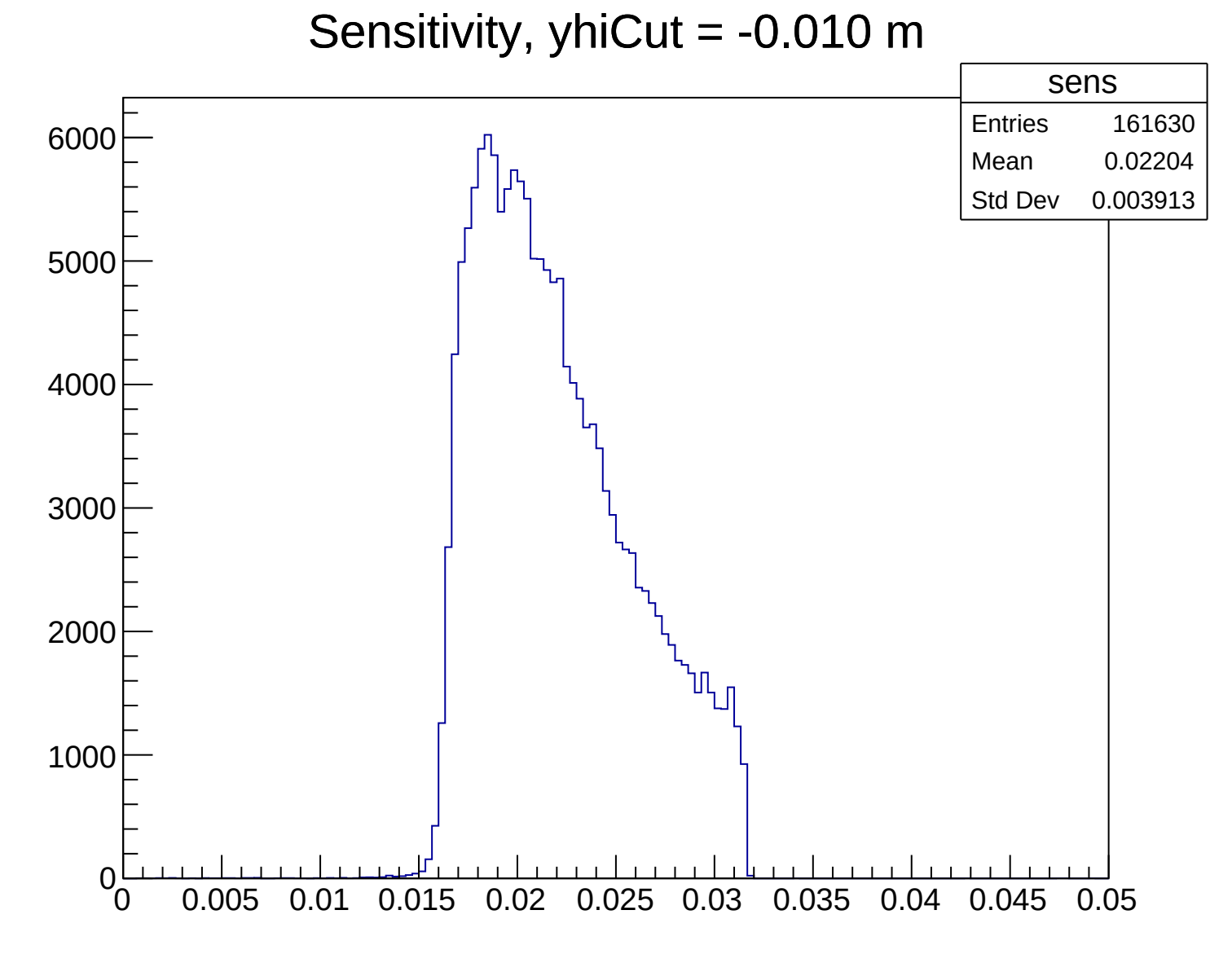

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

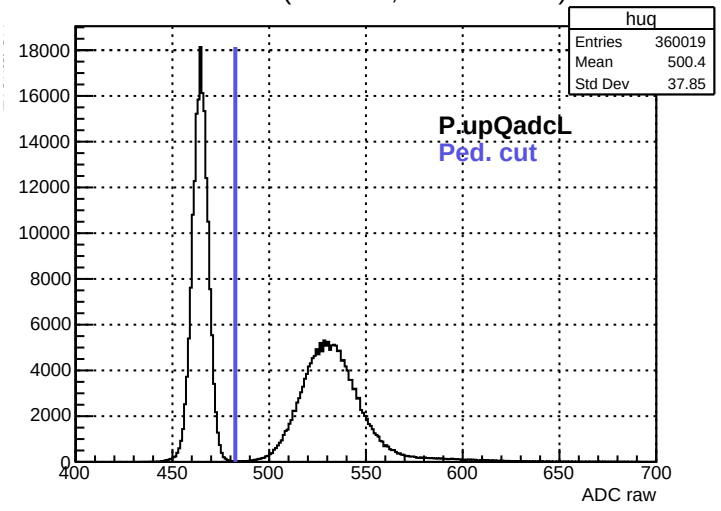

θlab (deg), yhiCut = -0.010 m
Theta
Entries 161630
Mean 4.764
Std Dev 0.453
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

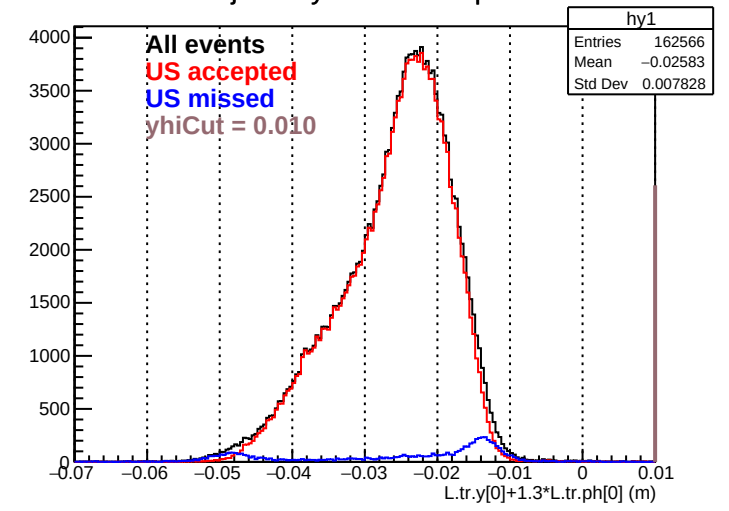

Asymmetry (ppm), yhiCut = -0.010 m
Asym
Entries 161630
Mean 0.569
Std Dev 0.07225
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

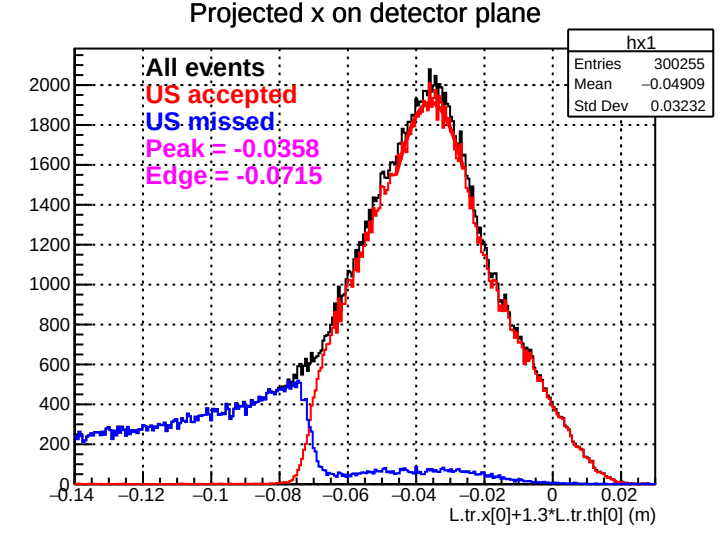

Stretched Asym. (ppm), yhiCut = -0.010 m
SAsym
Entries 161630
Mean 0.5562
Std Dev 0.06843
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

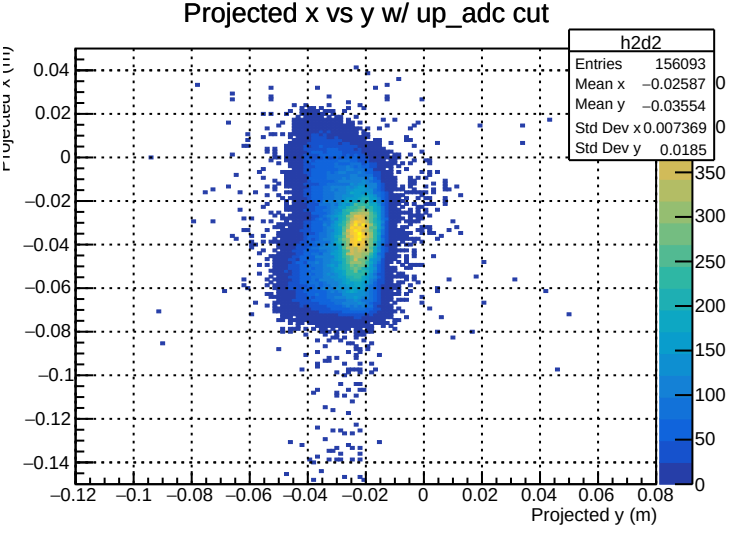

Q^2 (GeV/c)^2, yhiCut = -0.010 m
Q2
Entries 161630
Mean 0.006266
Std Dev 0.001222
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

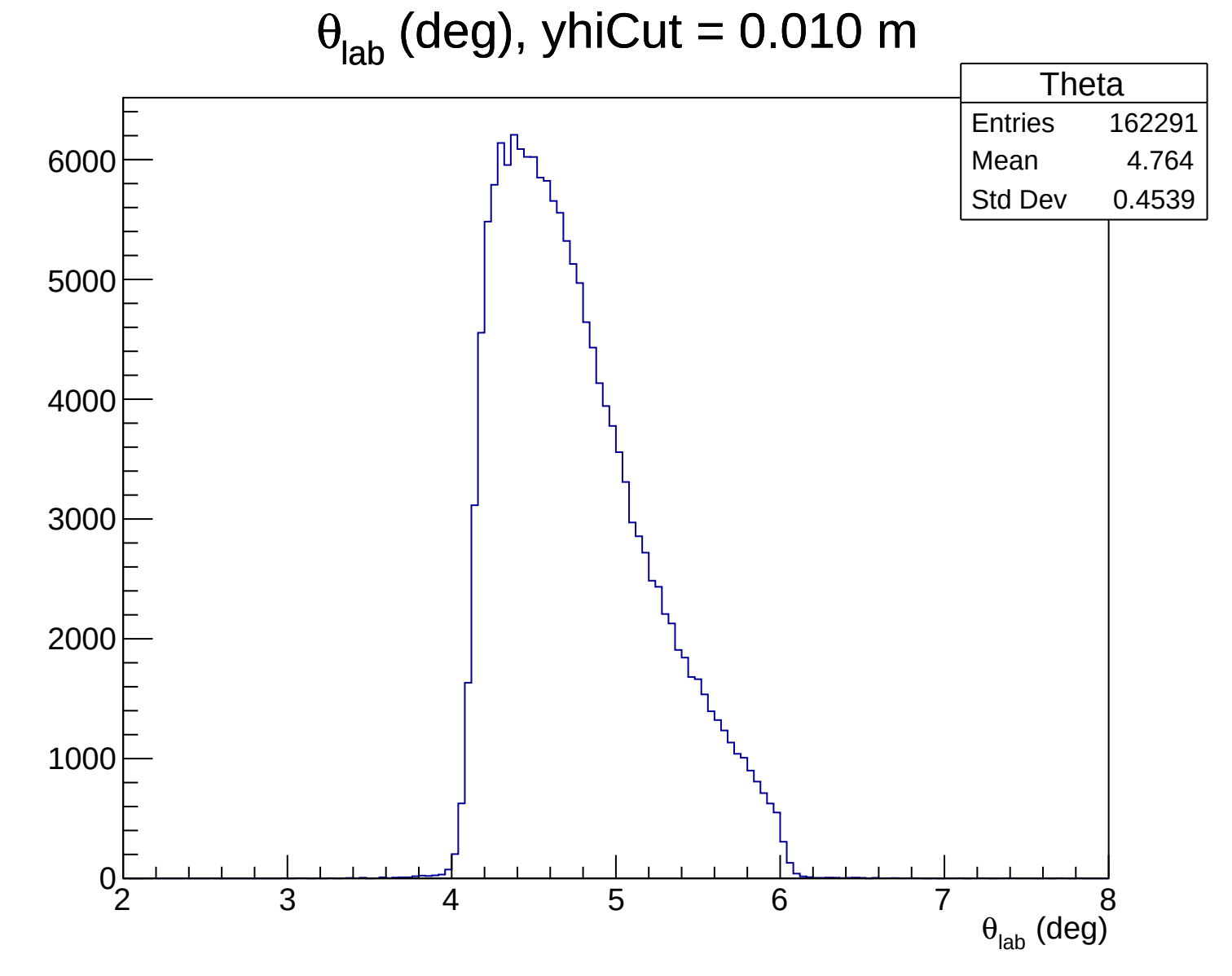

Sensitivity, yhiCut = -0.010 m
sens
Entries 161630
Mean 0.02204
Std Dev 0.003913
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

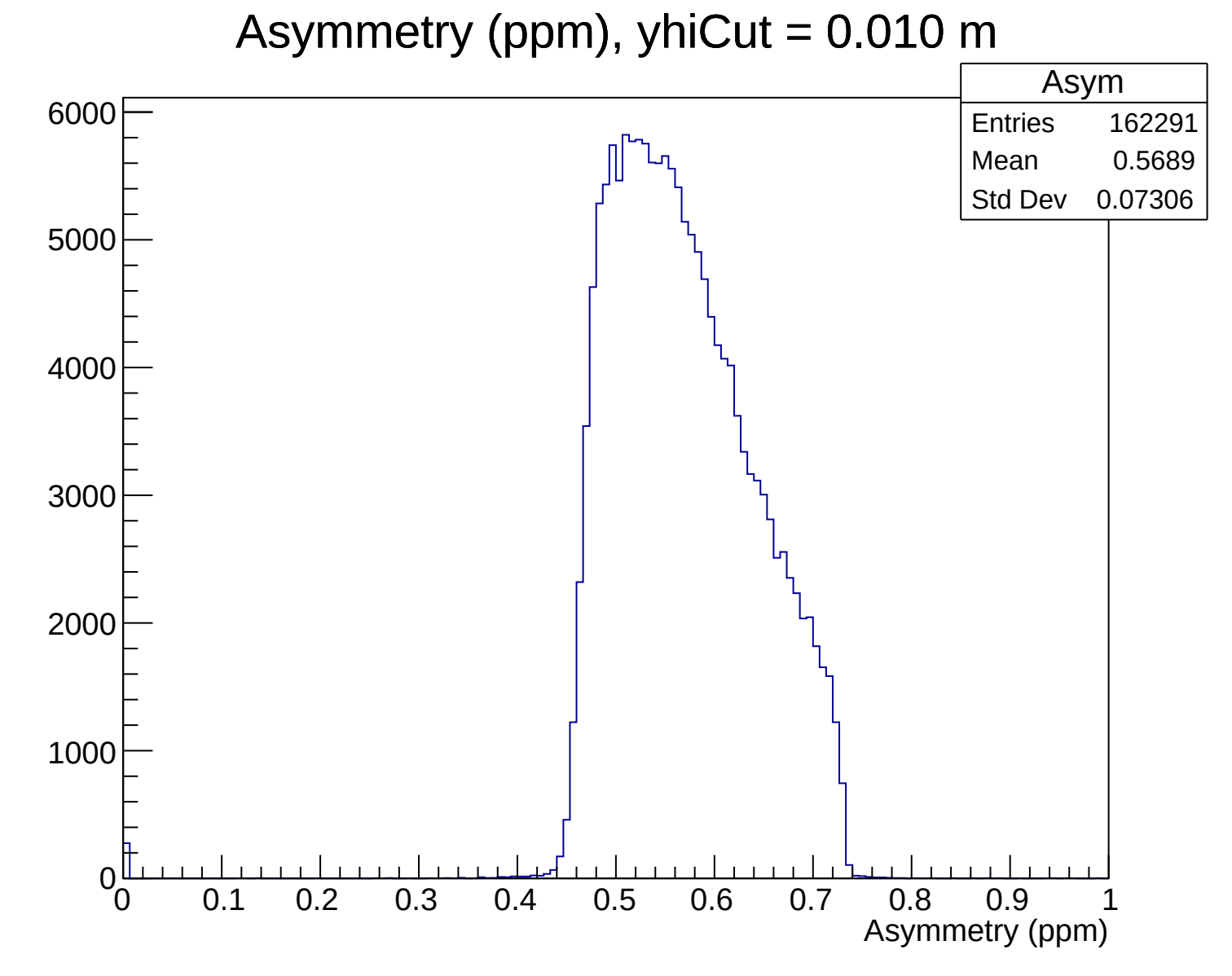

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

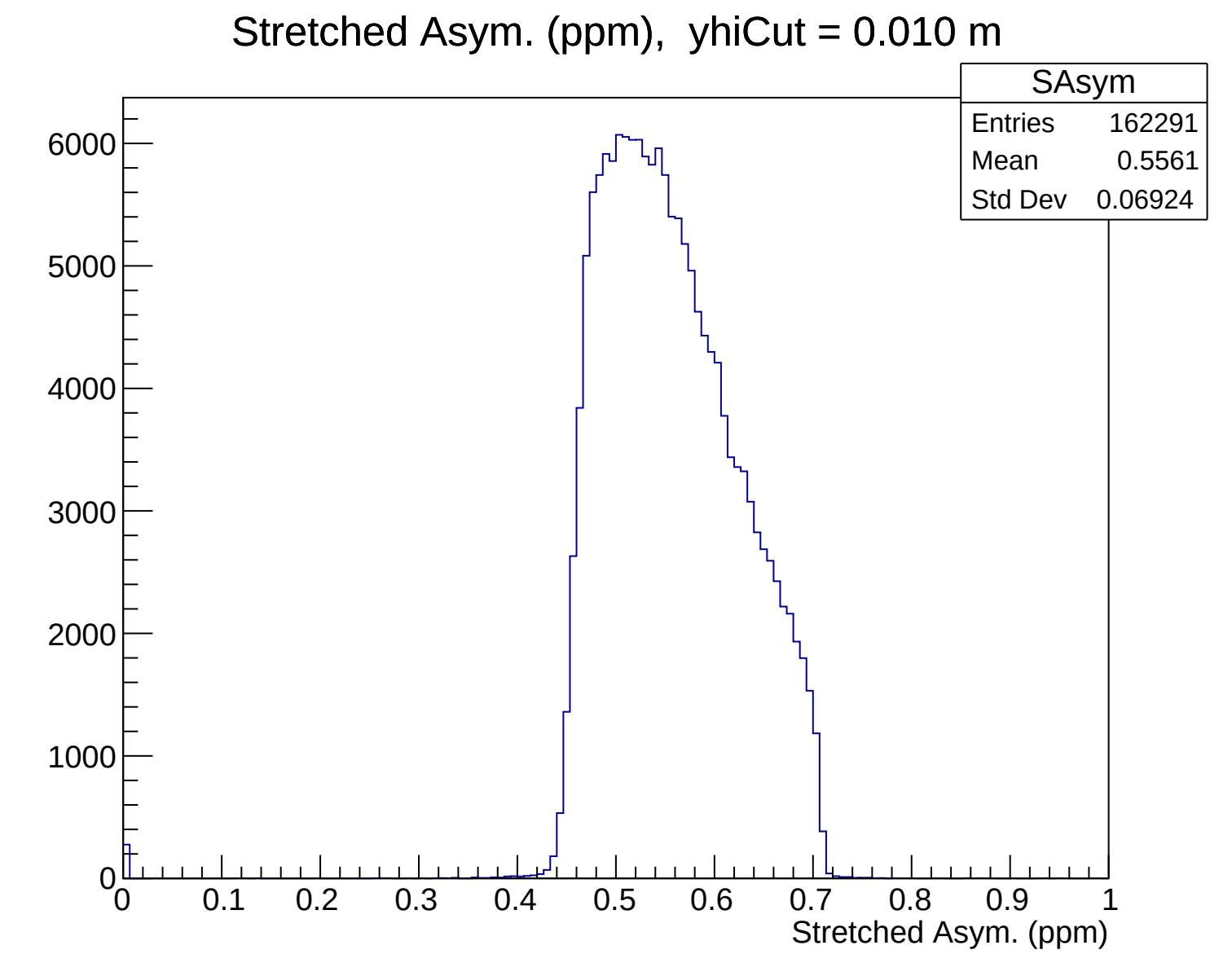

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = 0.010
L.tr.y[0]+1.3*L.tr.ph[0] (m)

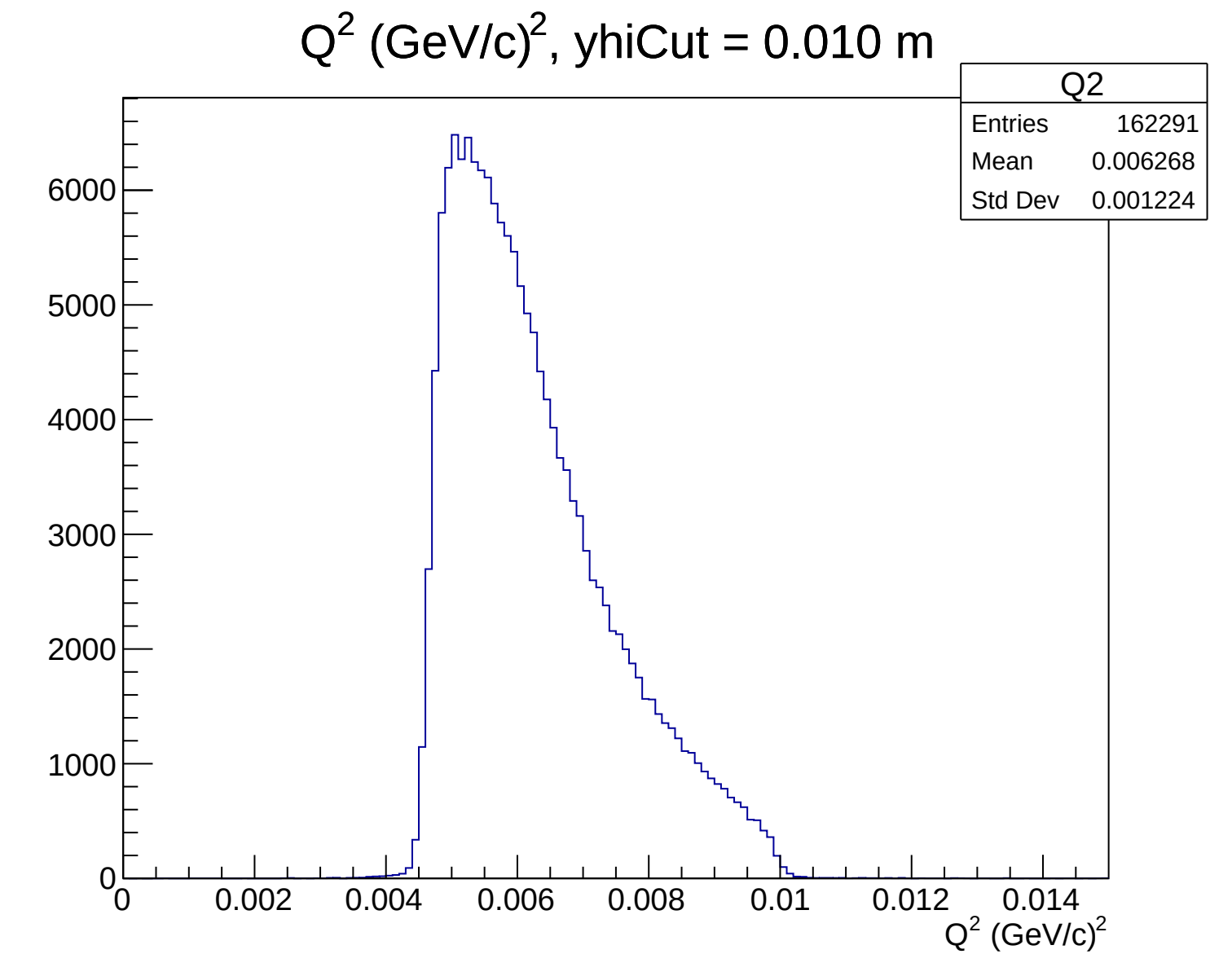

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

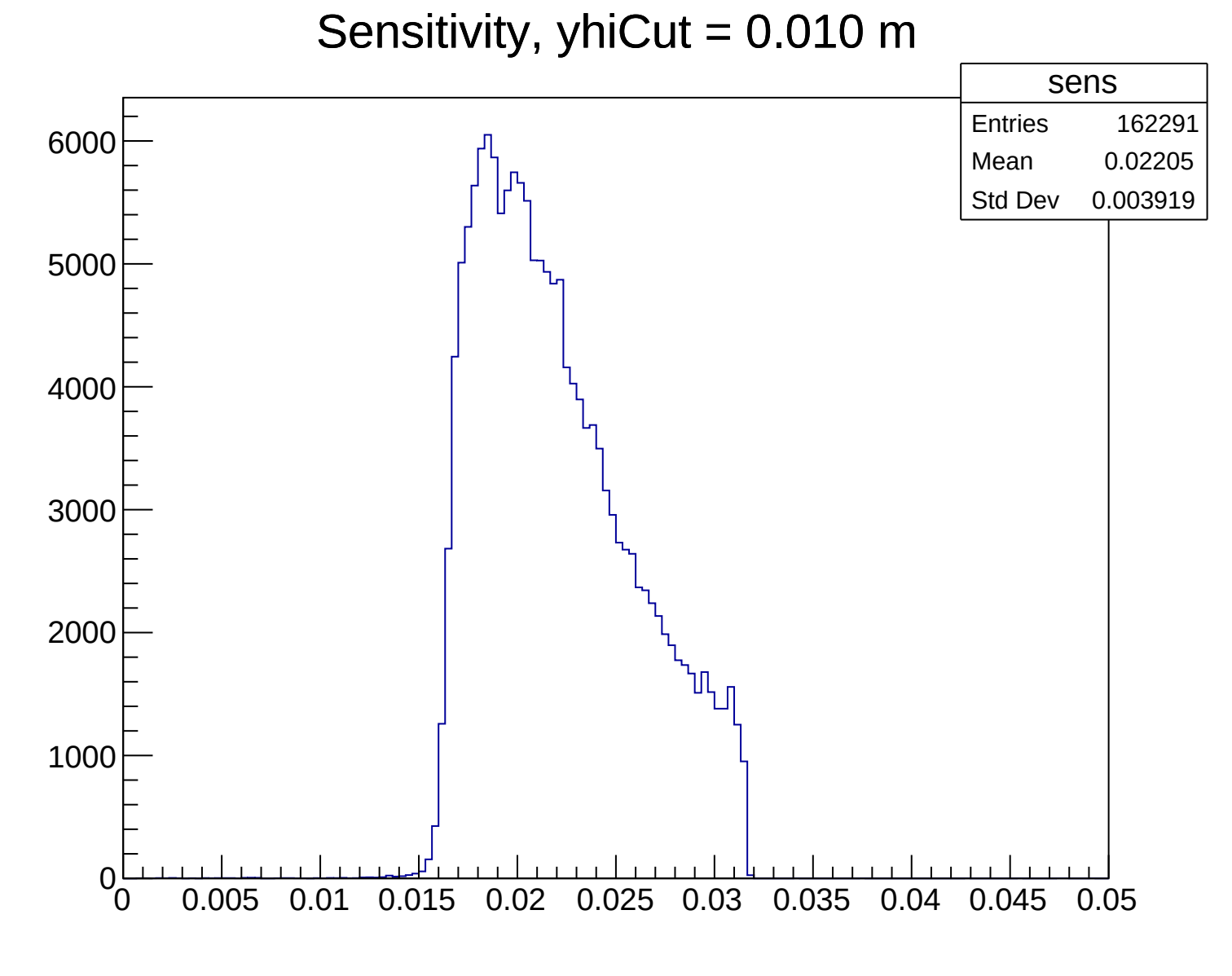

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

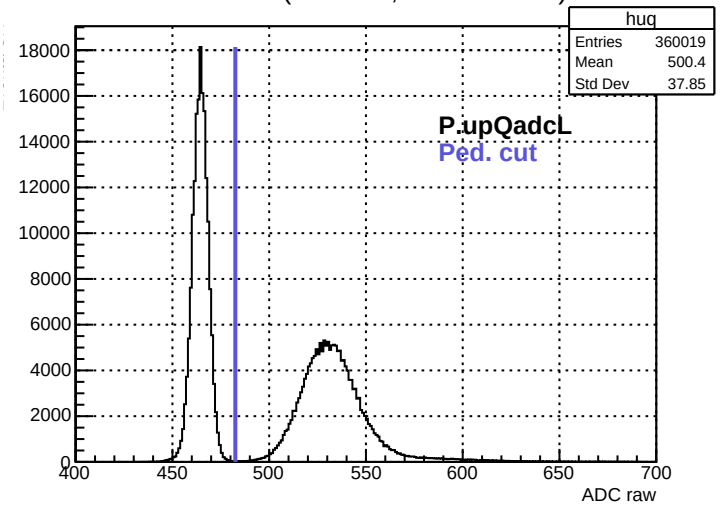

θlab (deg), yhiCut = 0.010 m
Theta
Entries 162291
Mean 4.764
Std Dev 0.4539
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

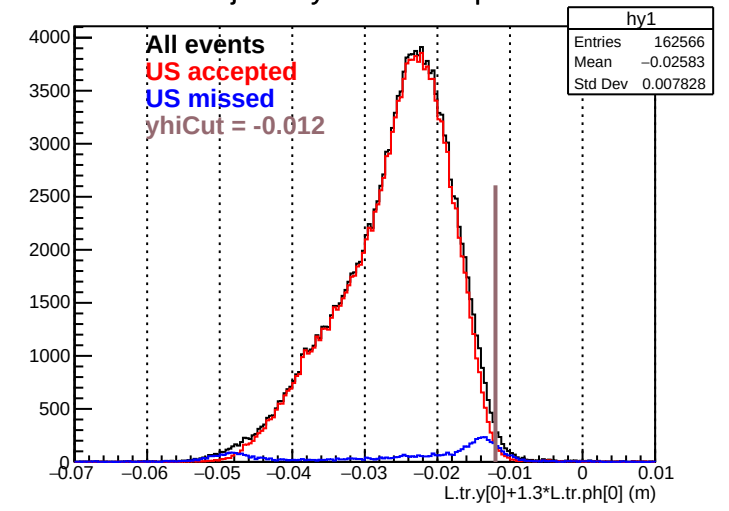

Asymmetry (ppm), yhiCut = 0.010 m
Asym
Entries 162291
Mean 0.5689
Std Dev 0.07306
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

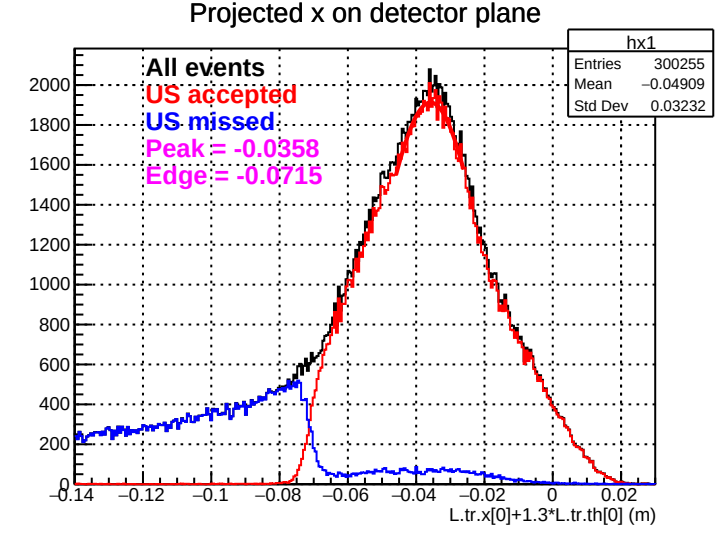

Stretched Asym. (ppm), yhiCut = 0.010 m
SAsym
Entries 162291
Mean 0.5561
Std Dev 0.06924
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

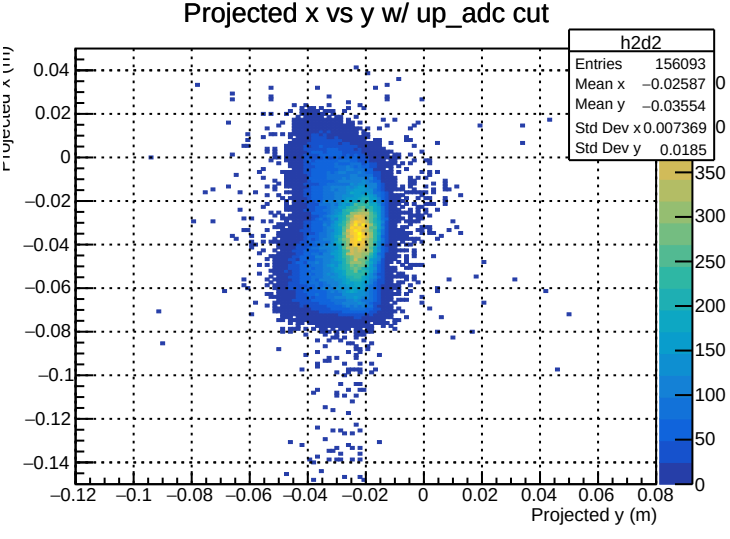

Q^2 (GeV/c)^2, yhiCut = 0.010 m
Q2
Entries 162291
Mean 0.006268
Std Dev 0.001224
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

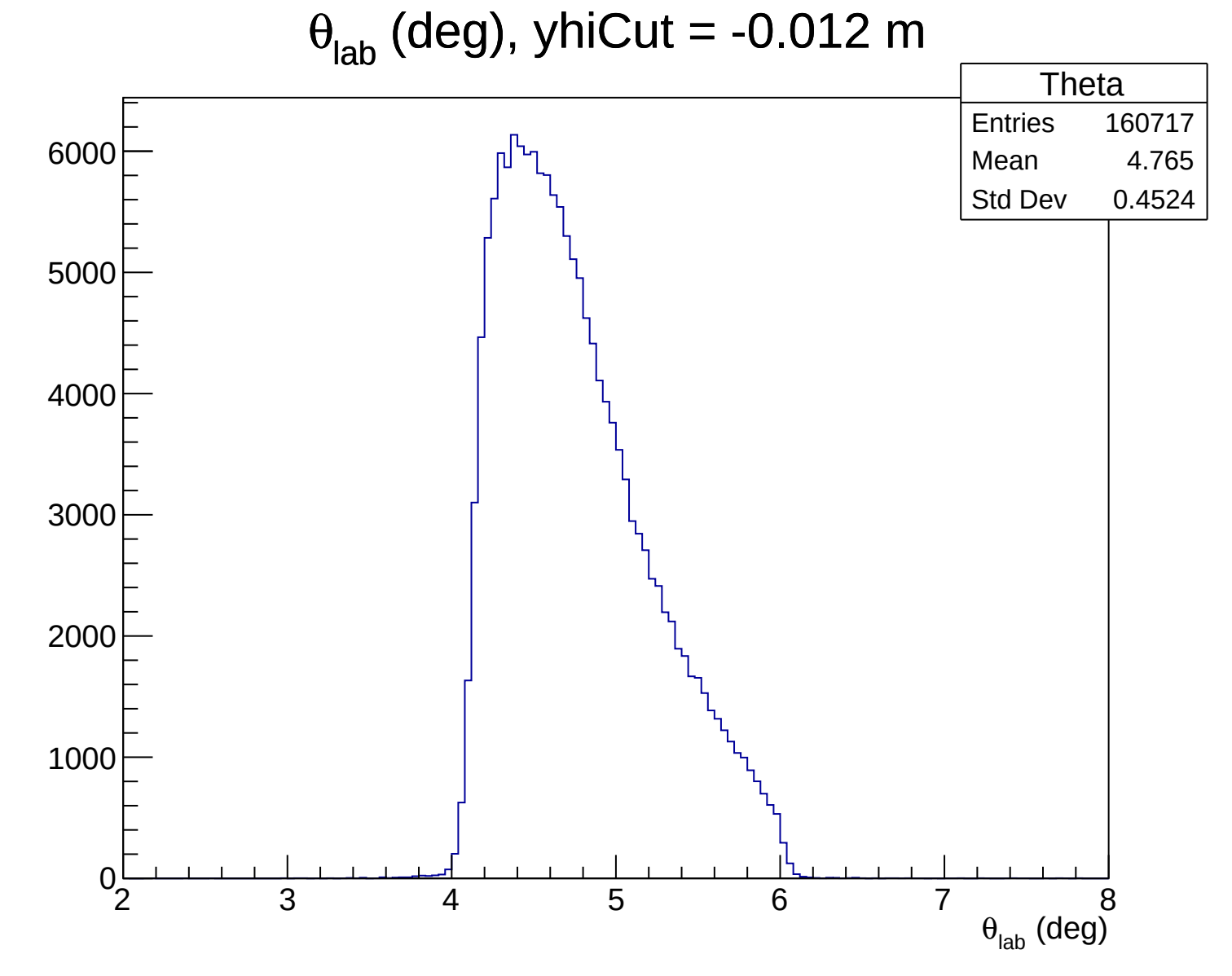

Sensitivity, yhiCut = 0.010 m
sens
Entries 162291
Mean 0.02205
Std Dev 0.003919
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

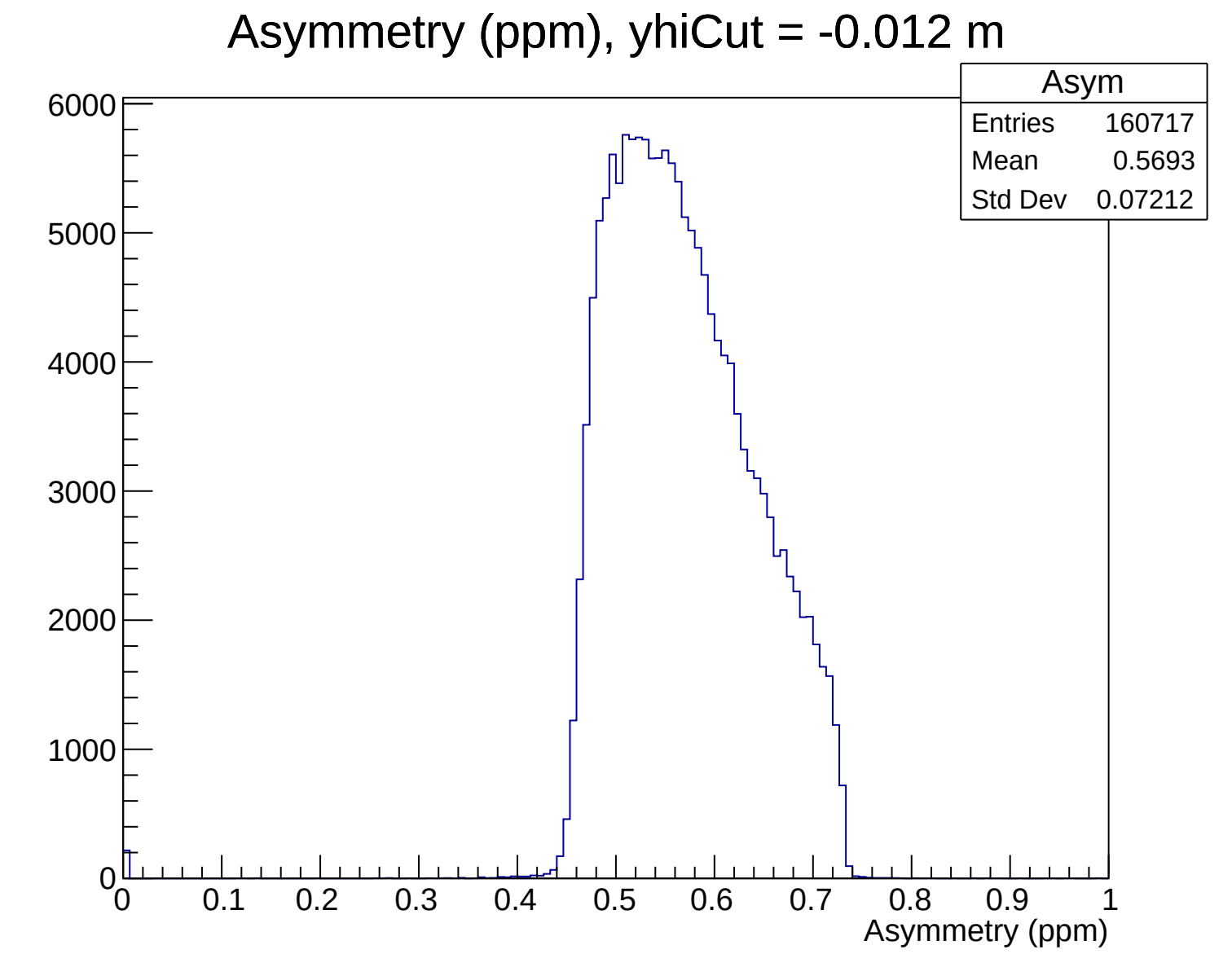

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

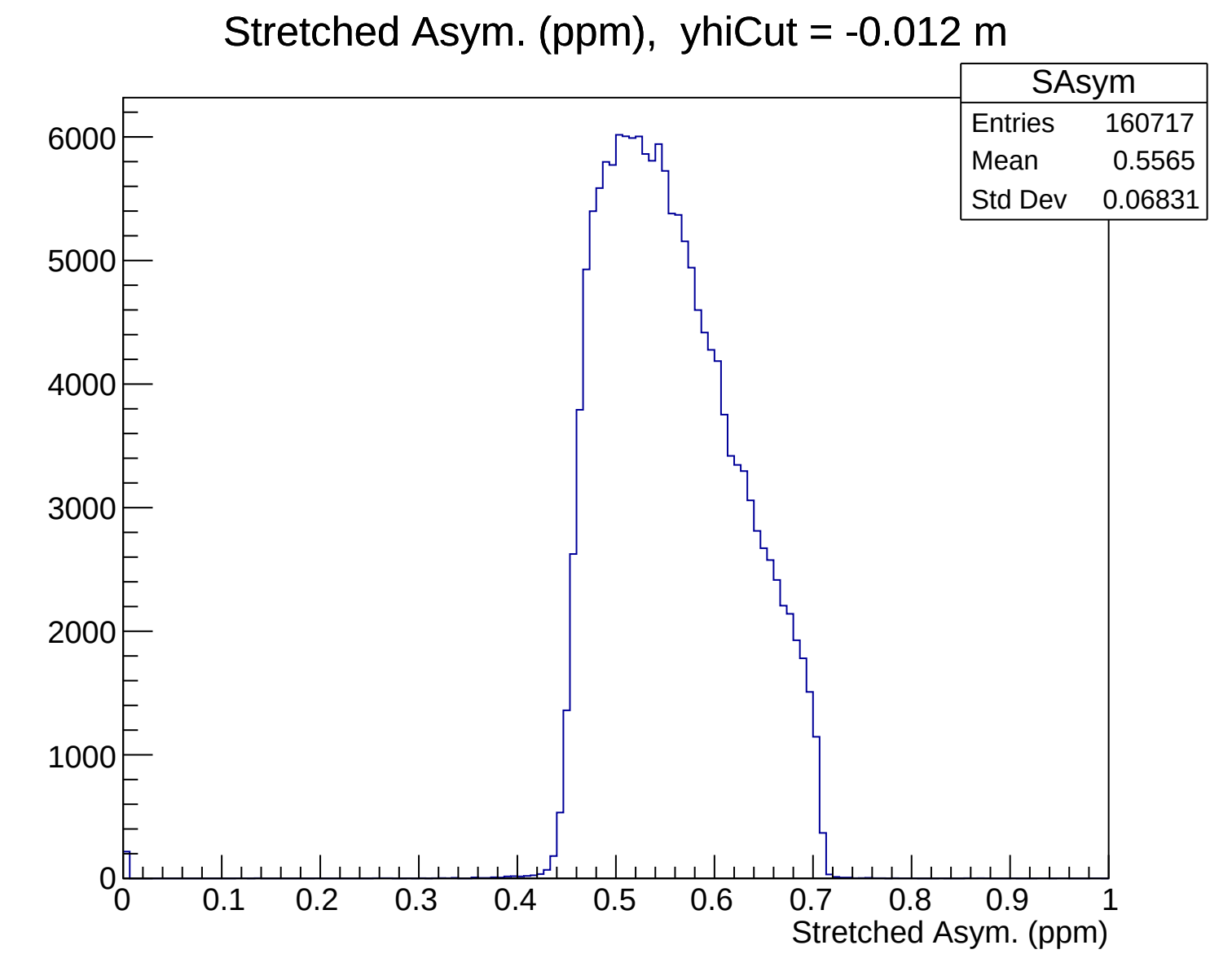

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.012
L.tr.y[0]+1.3*L.tr.ph[0] (m)

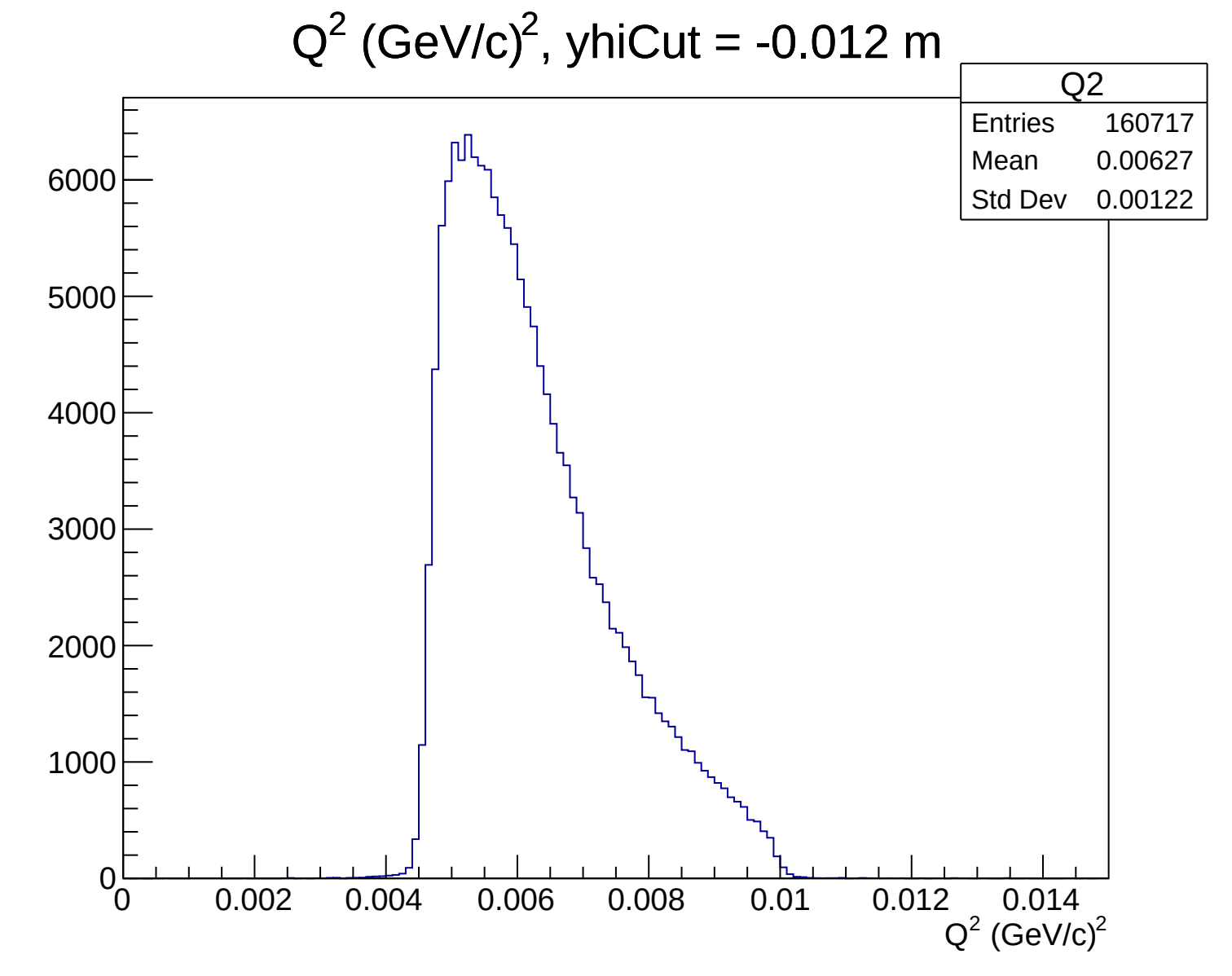

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

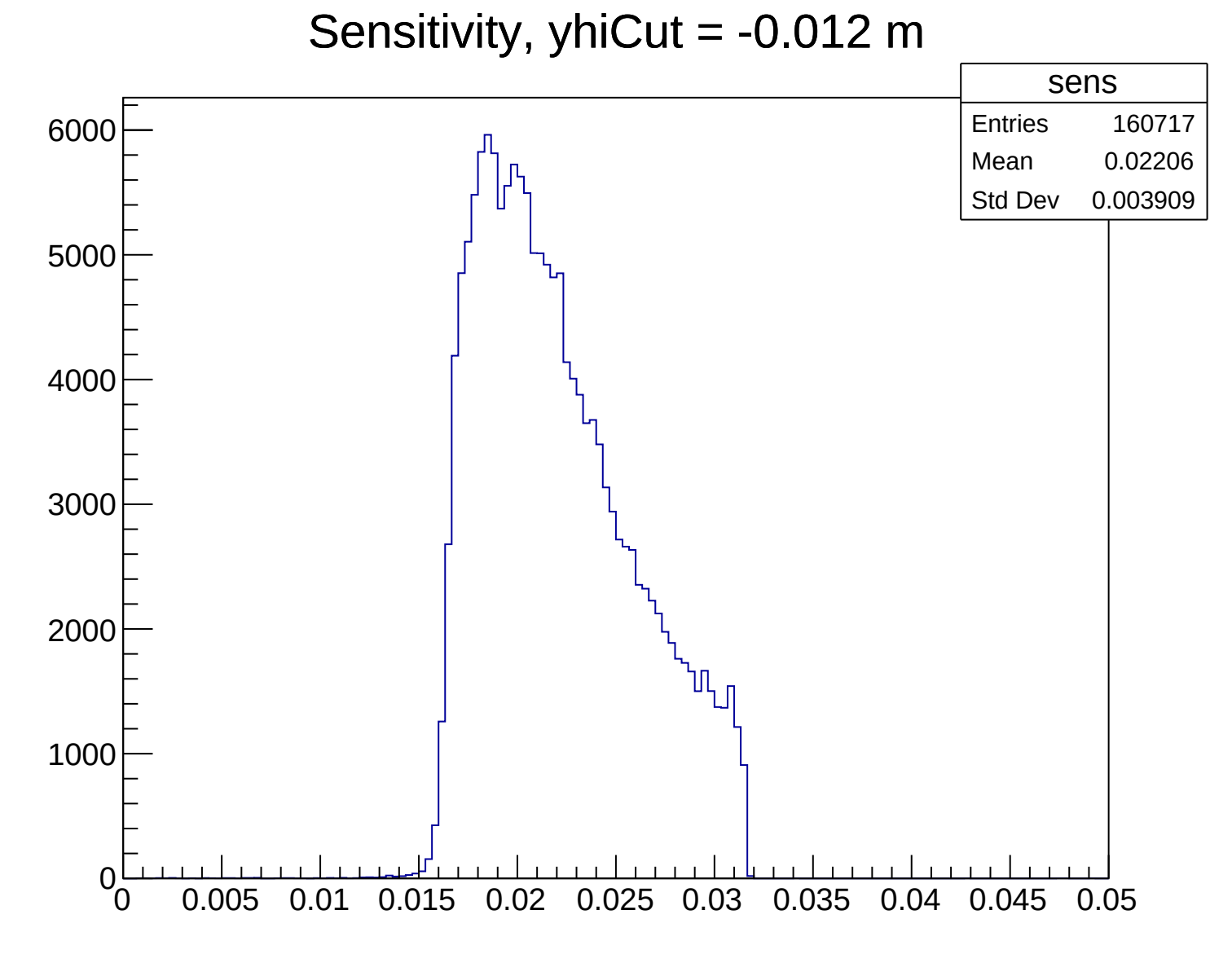

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

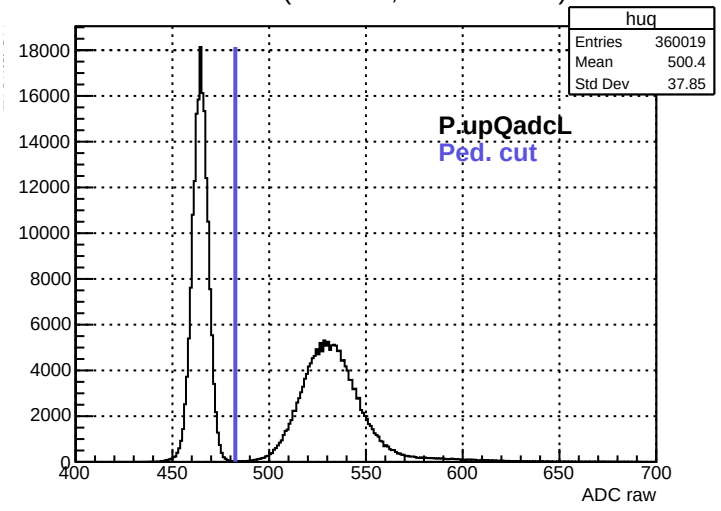

θlab (deg), yhiCut = -0.012 m
Theta
Entries 160717
Mean 4.765
Std Dev 0.4524
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

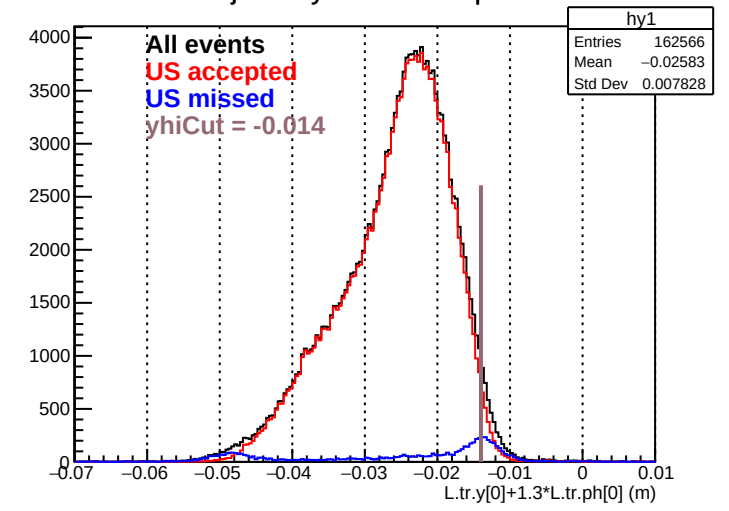

Asymmetry (ppm), yhiCut = -0.012 m
Asym
Entries 160717
Mean 0.5693
Std Dev 0.07212
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

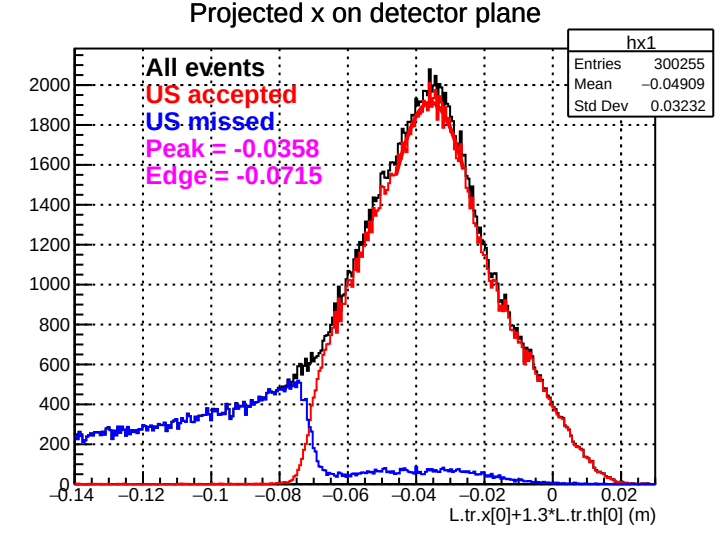

Stretched Asym. (ppm), yhiCut = -0.012 m
SAsym
Entries 160717
Mean 0.5565
Std Dev 0.06831
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

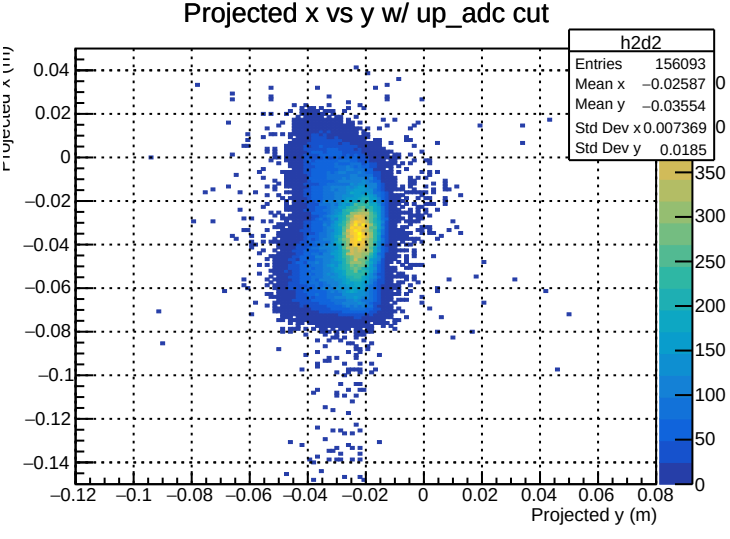

Q^2 (GeV/c)^2, yhiCut = -0.012 m
Q2
Entries 160717
Mean 0.00627
Std Dev 0.00122
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

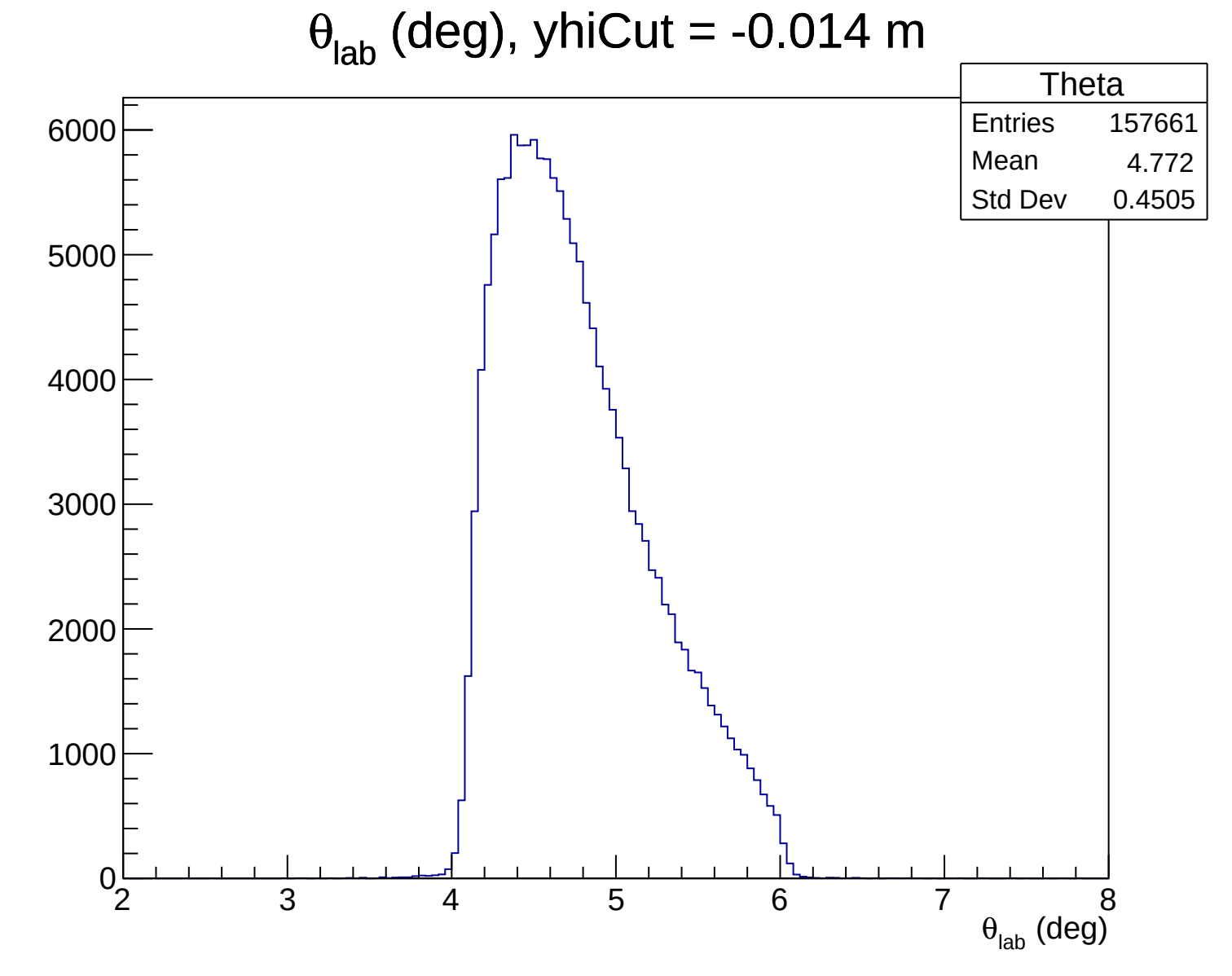

Sensitivity, yhiCut = -0.012 m
sens
Entries 160717
Mean 0.02206
Std Dev 0.003909
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

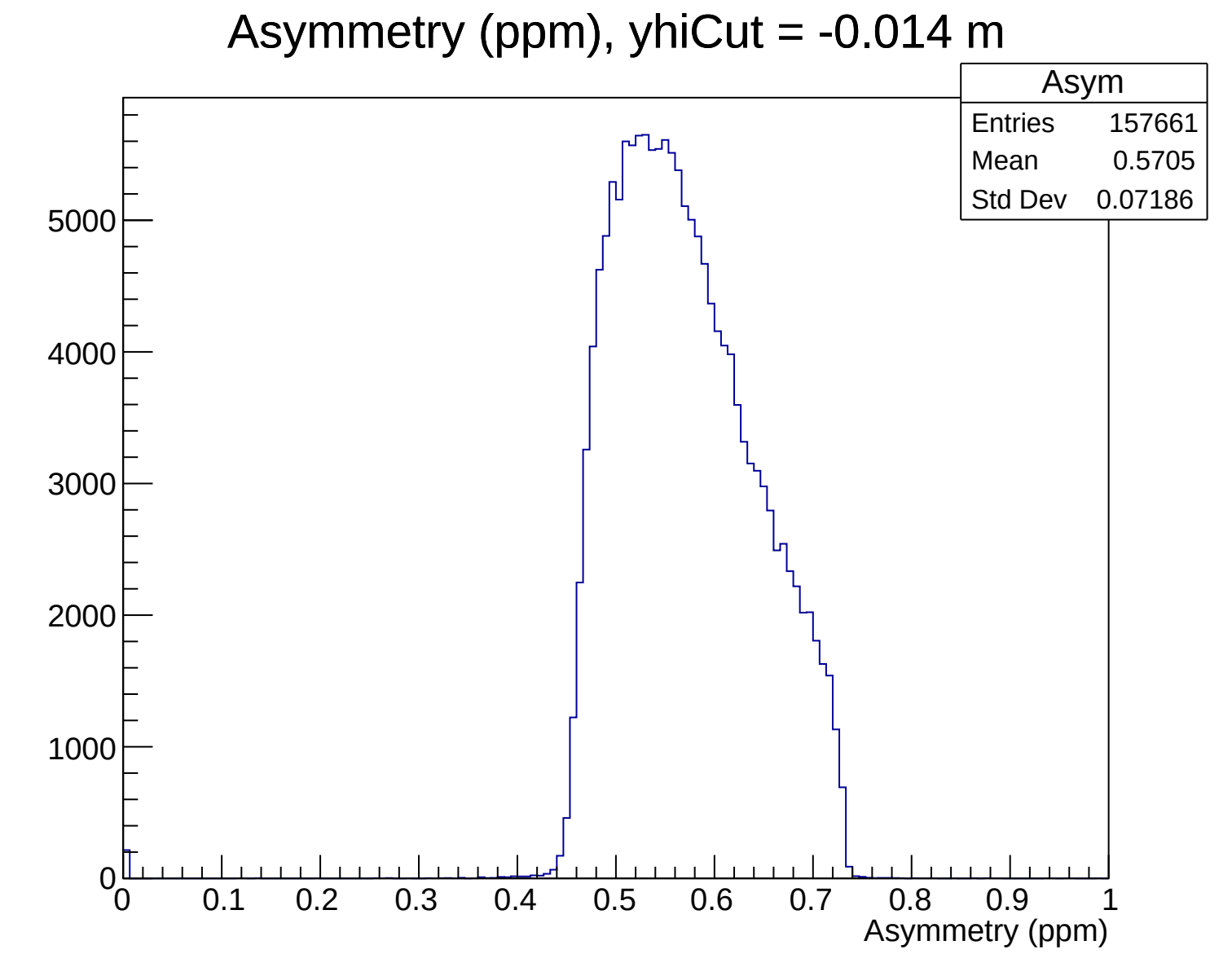

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

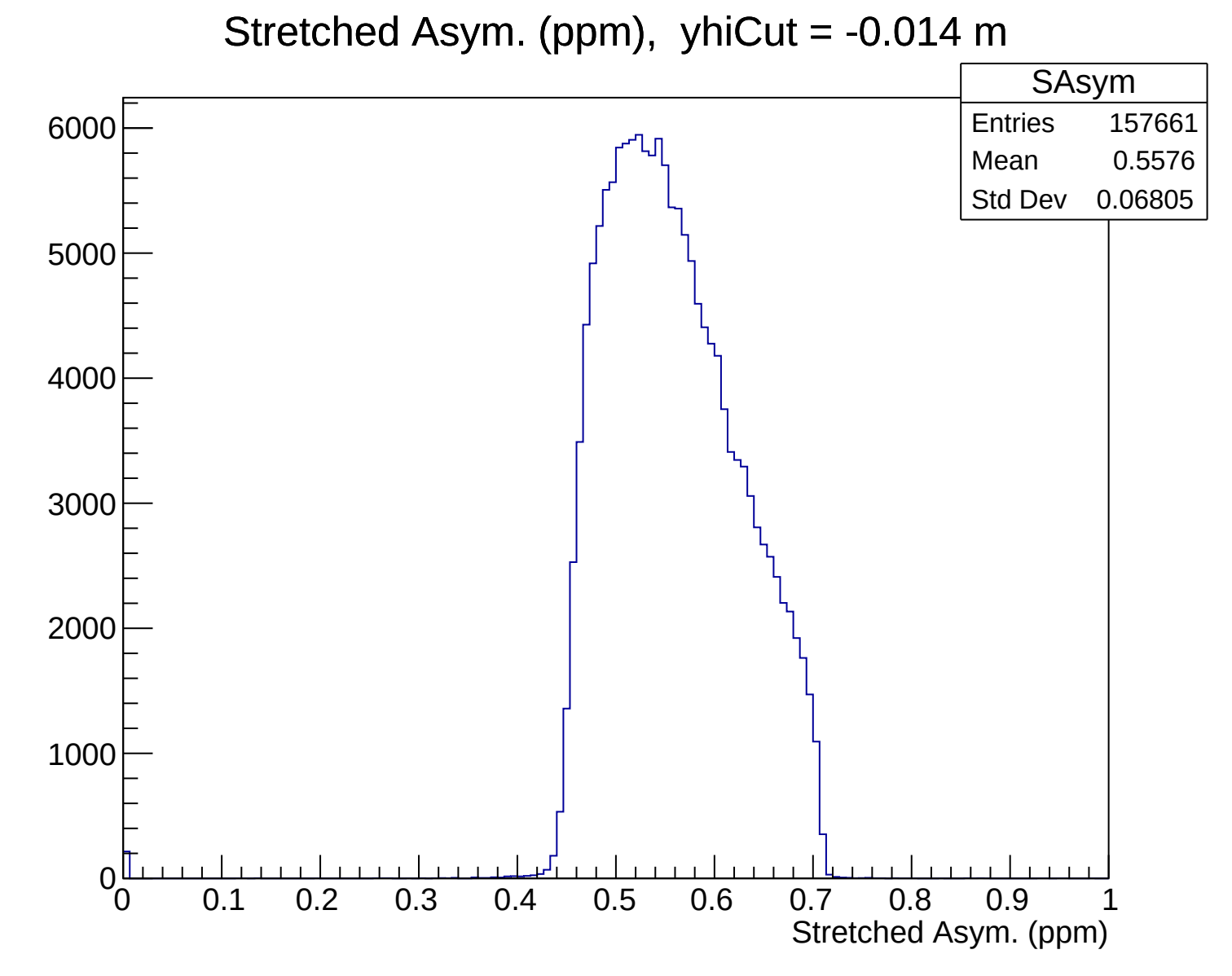

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.014
L.tr.y[0]+1.3*L.tr.ph[0] (m)

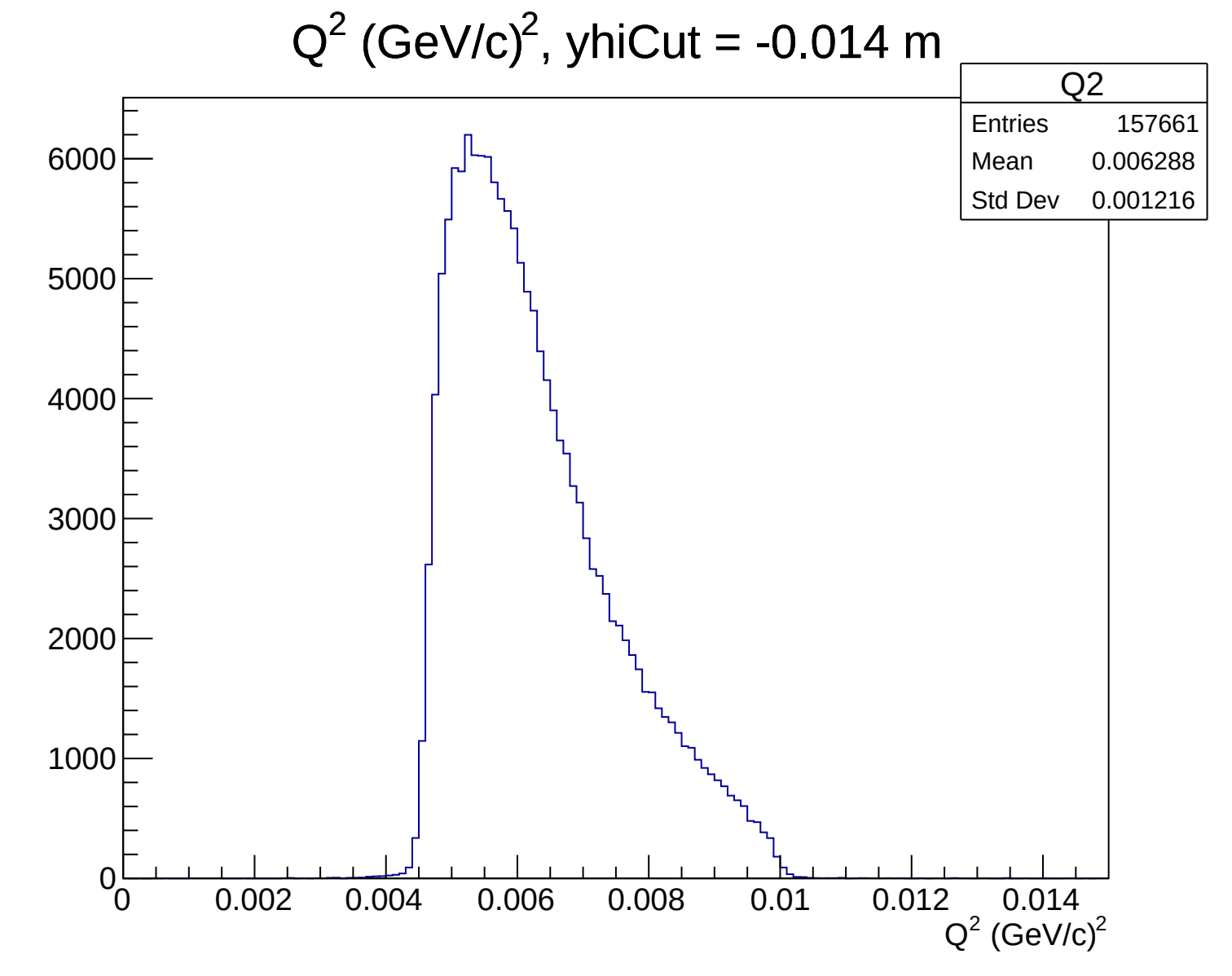

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

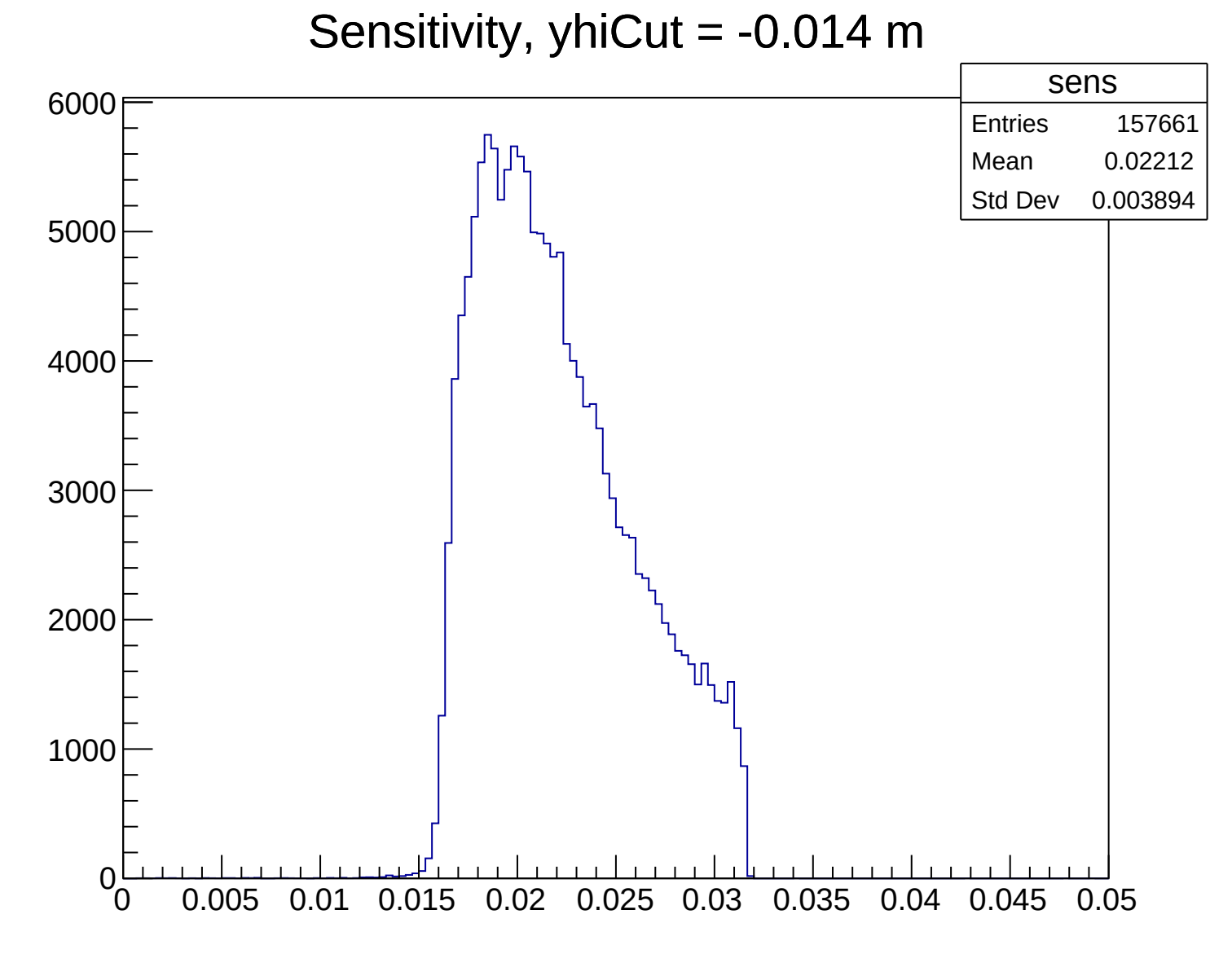

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)

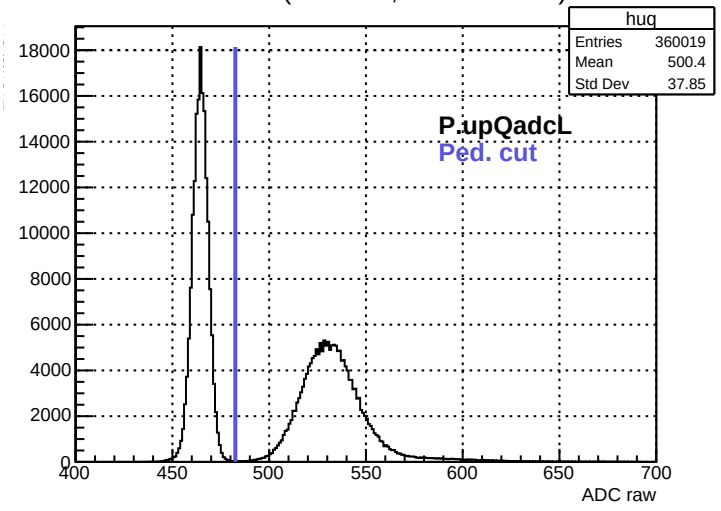

θlab (deg), yhiCut = -0.014 m
Theta
Entries 157661
Mean 4.772
Std Dev 0.4505
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

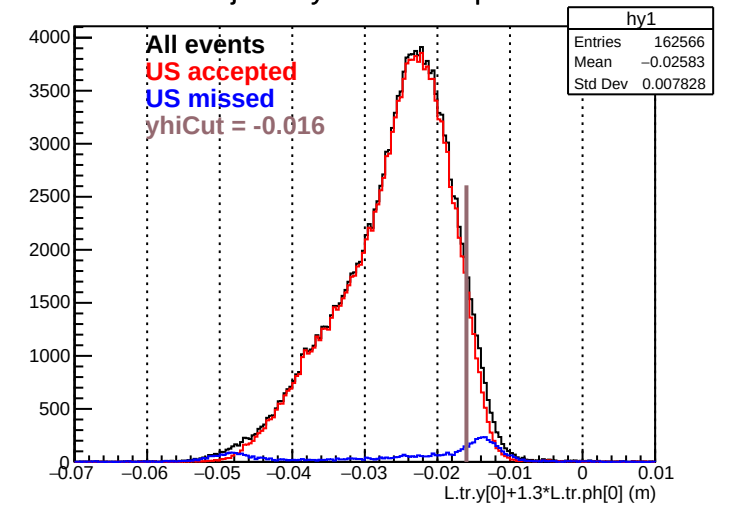

Asymmetry (ppm), yhiCut = -0.014 m
Asym
Entries 157661
Mean 0.5705
Std Dev 0.07186
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

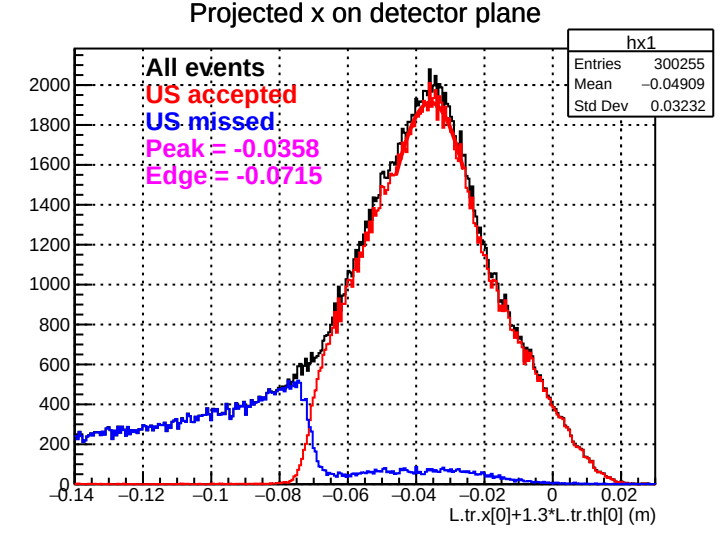

Stretched Asym. (ppm), yhiCut = -0.014 m
SAsym
Entries 157661
Mean 0.5576
Std Dev 0.06805
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

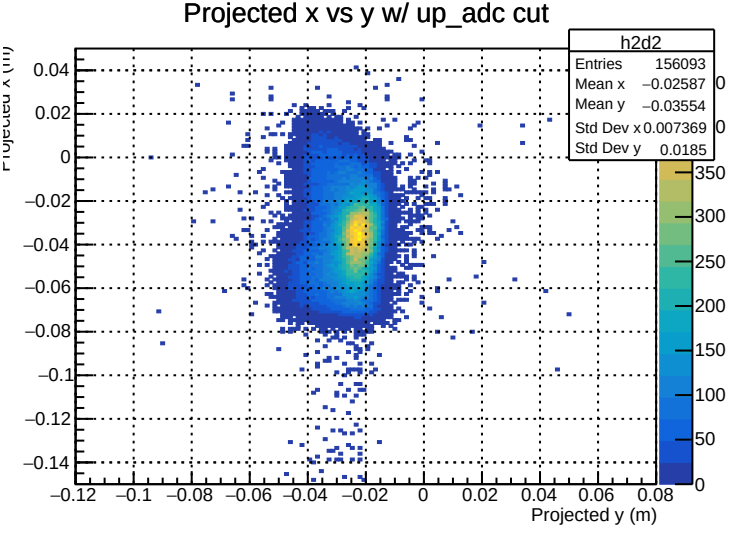

Q^2 (GeV/c)^2, yhiCut = -0.014 m
Q2
Entries 157661
Mean 0.006288
Std Dev 0.001216
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

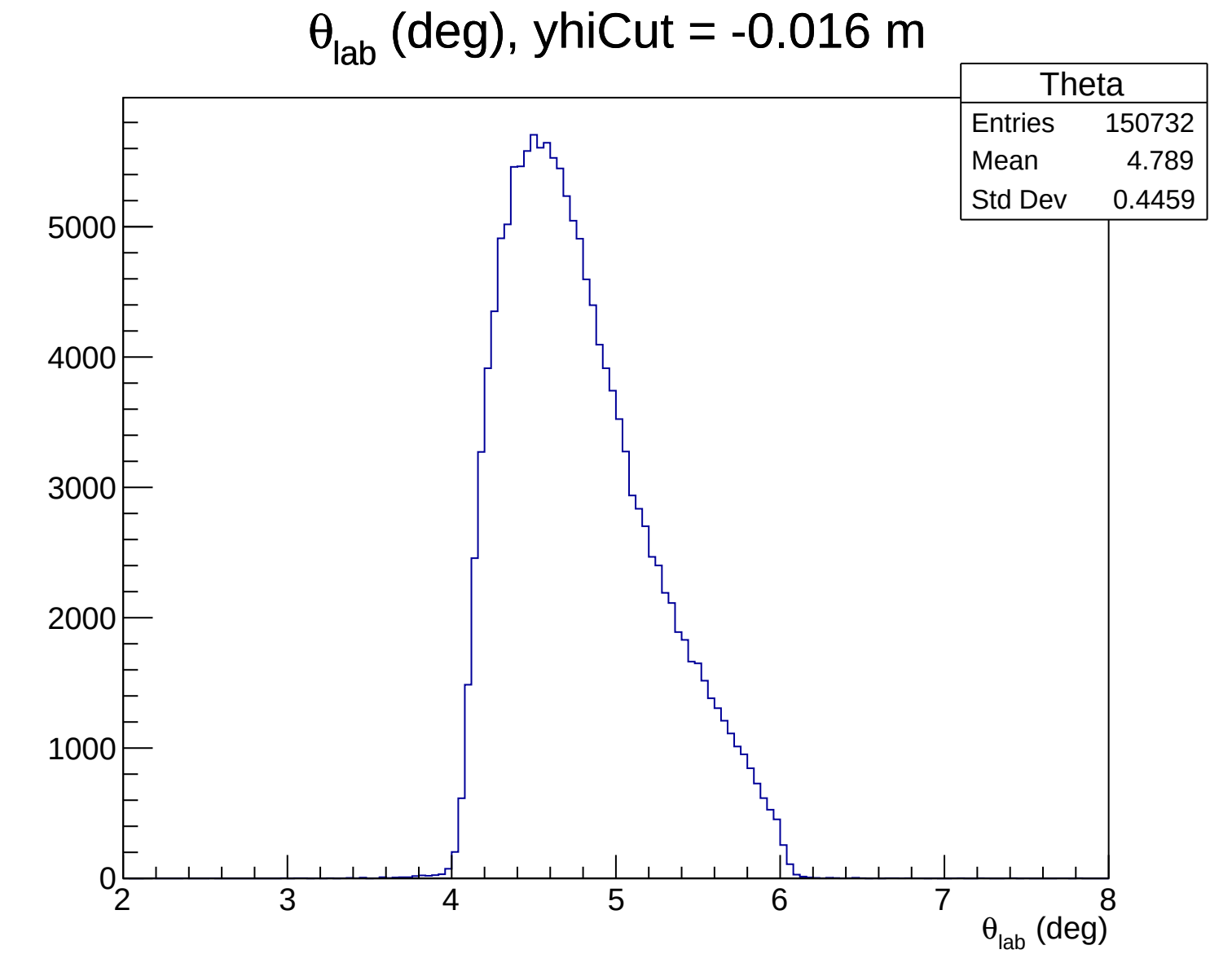

Sensitivity, yhiCut = -0.014 m
sens
Entries 157661
Mean 0.02212
Std Dev 0.003894
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

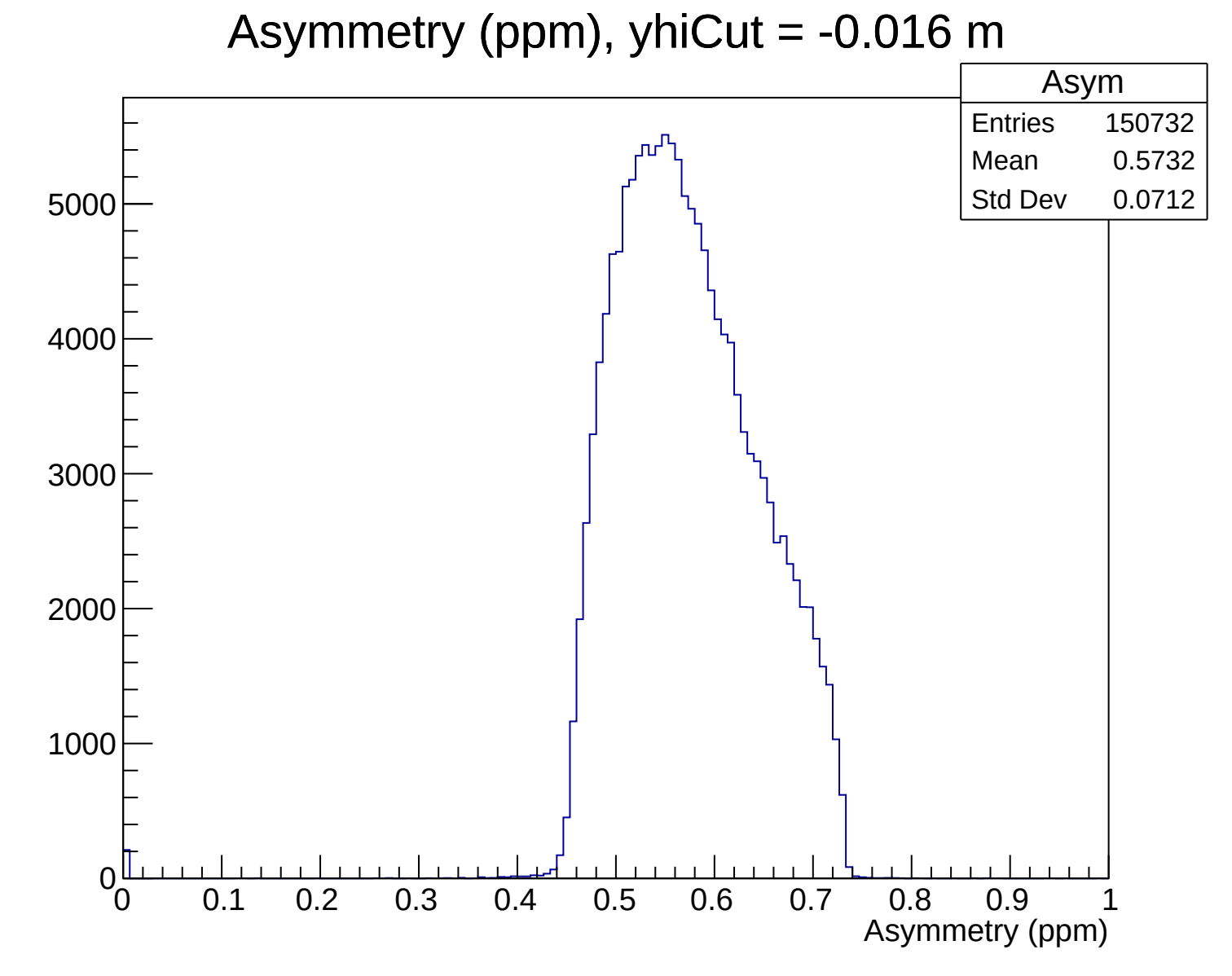

ADC raw (run2055, detZ = 1.3 m)
huq
Entries 360019
Mean 500.4
Std Dev 37.85
P.upQadcL
Ped. cut
ADC raw

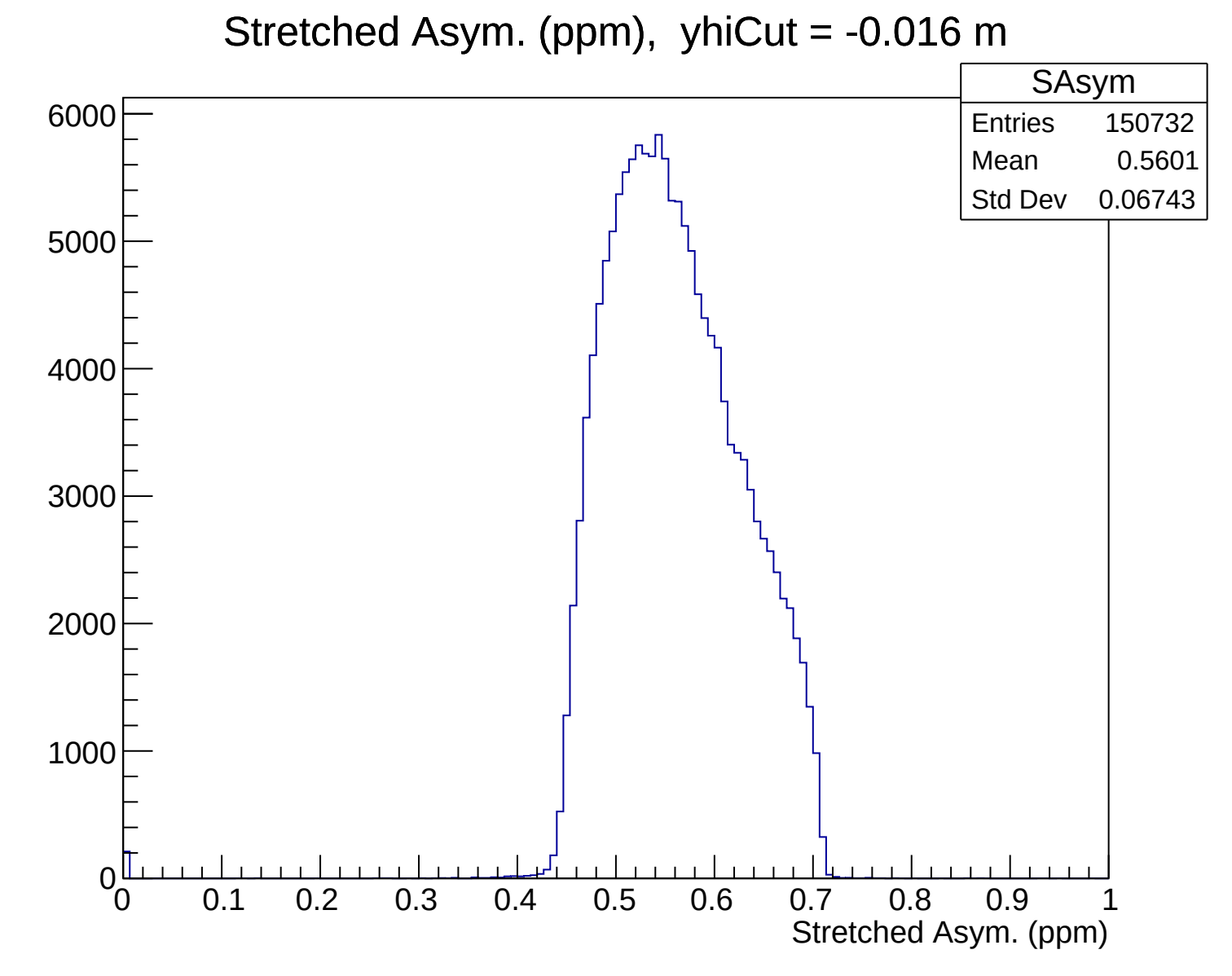

Projected y on detector plane
hy1
Entries 162566
Mean −0.02583
Std Dev 0.007828
All events
US accepted
US missed
yhiCut = -0.016
L.tr.y[0]+1.3*L.tr.ph[0] (m)

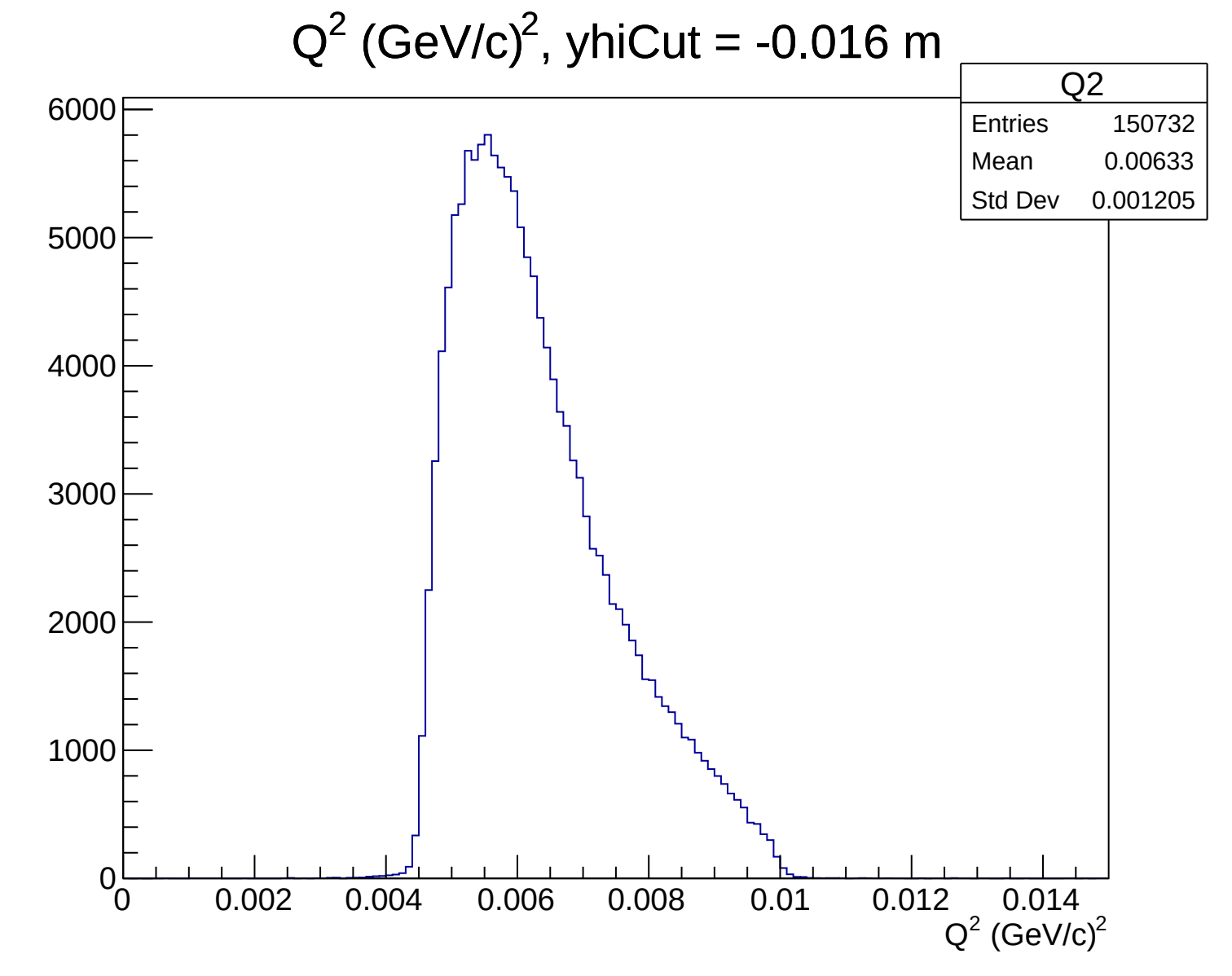

Projected x on detector plane
hx1
Entries 300255
Mean −0.04909
Std Dev 0.03232
All events
US accepted
US missed
Peak = -0.0358
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

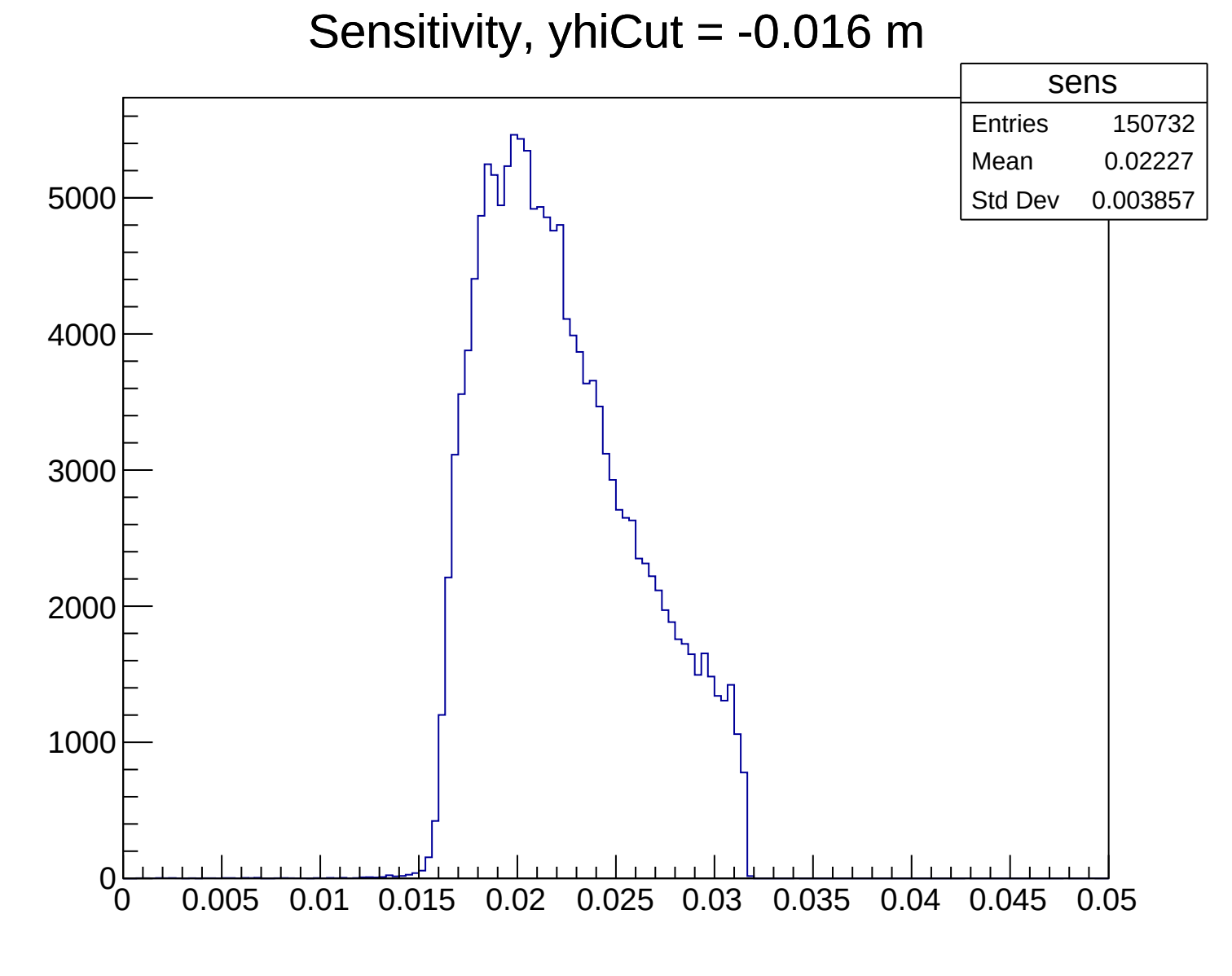

Projected x vs y w/ up_adc cut
h2d2
Entries 156093
Mean x −0.02587
Mean y −0.03554
Std Dev x 0.007369
Std Dev y 0.0185
Projected y (m)


θlab (deg), yhiCut = -0.016 m
Theta
Entries 150732
Mean 4.789
Std Dev 0.4459
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), yhiCut = -0.016 m
Asym
Entries 150732
Mean 0.5732
Std Dev 0.0712
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), yhiCut = -0.016 m
SAsym
Entries 150732
Mean 0.5601
Std Dev 0.06743
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, yhiCut = -0.016 m
Q2
Entries 150732
Mean 0.00633
Std Dev 0.001205
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, yhiCut = -0.016 m
sens
Entries 150732
Mean 0.02227
Std Dev 0.003857
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