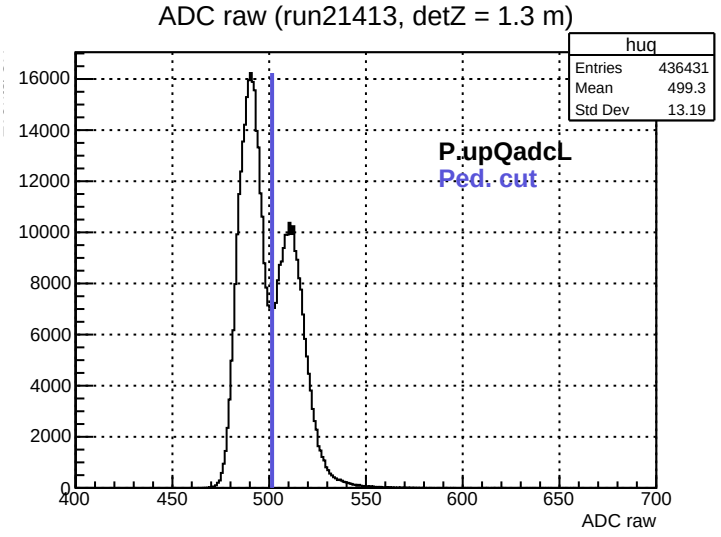
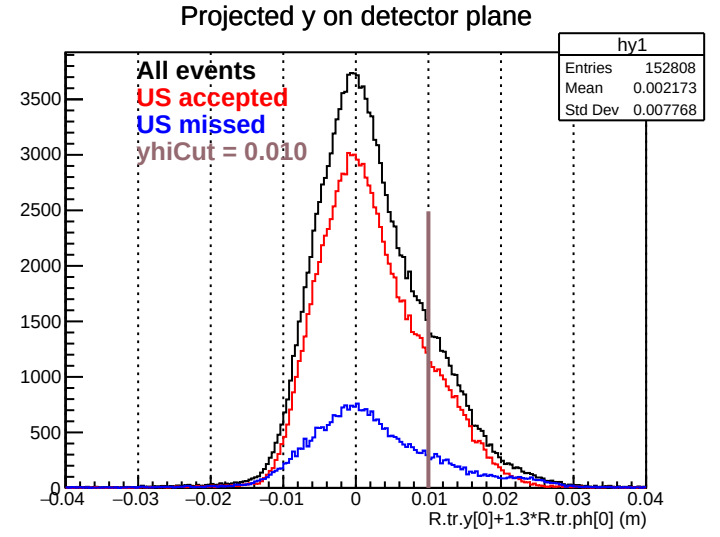
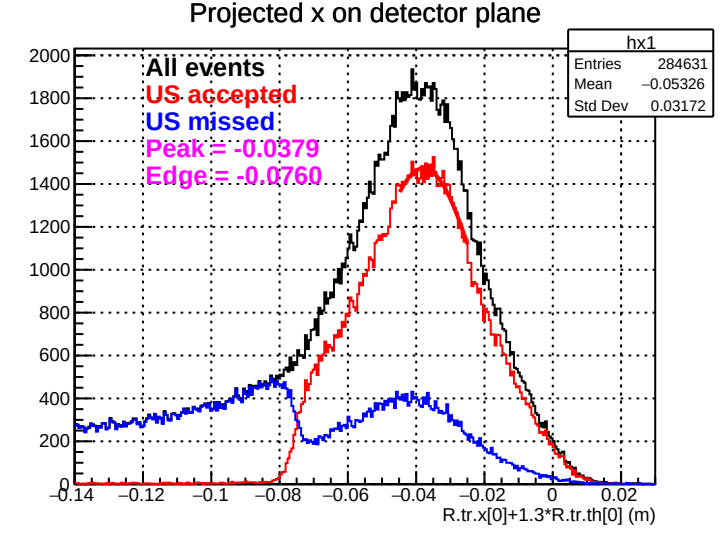
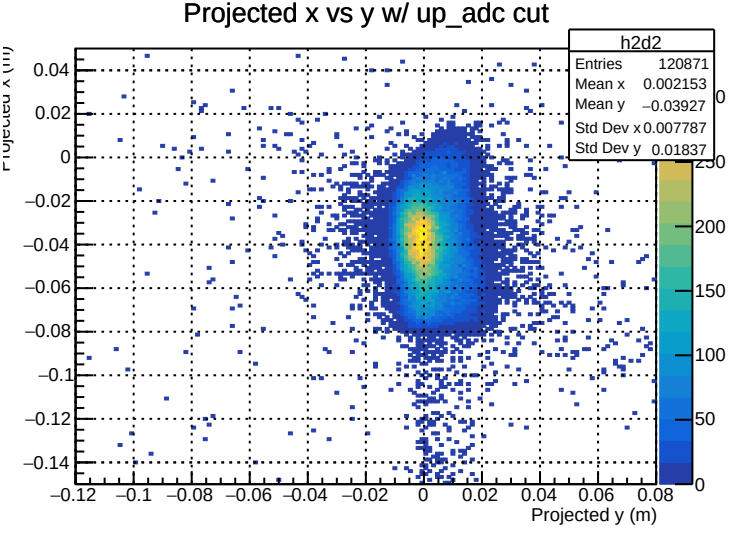
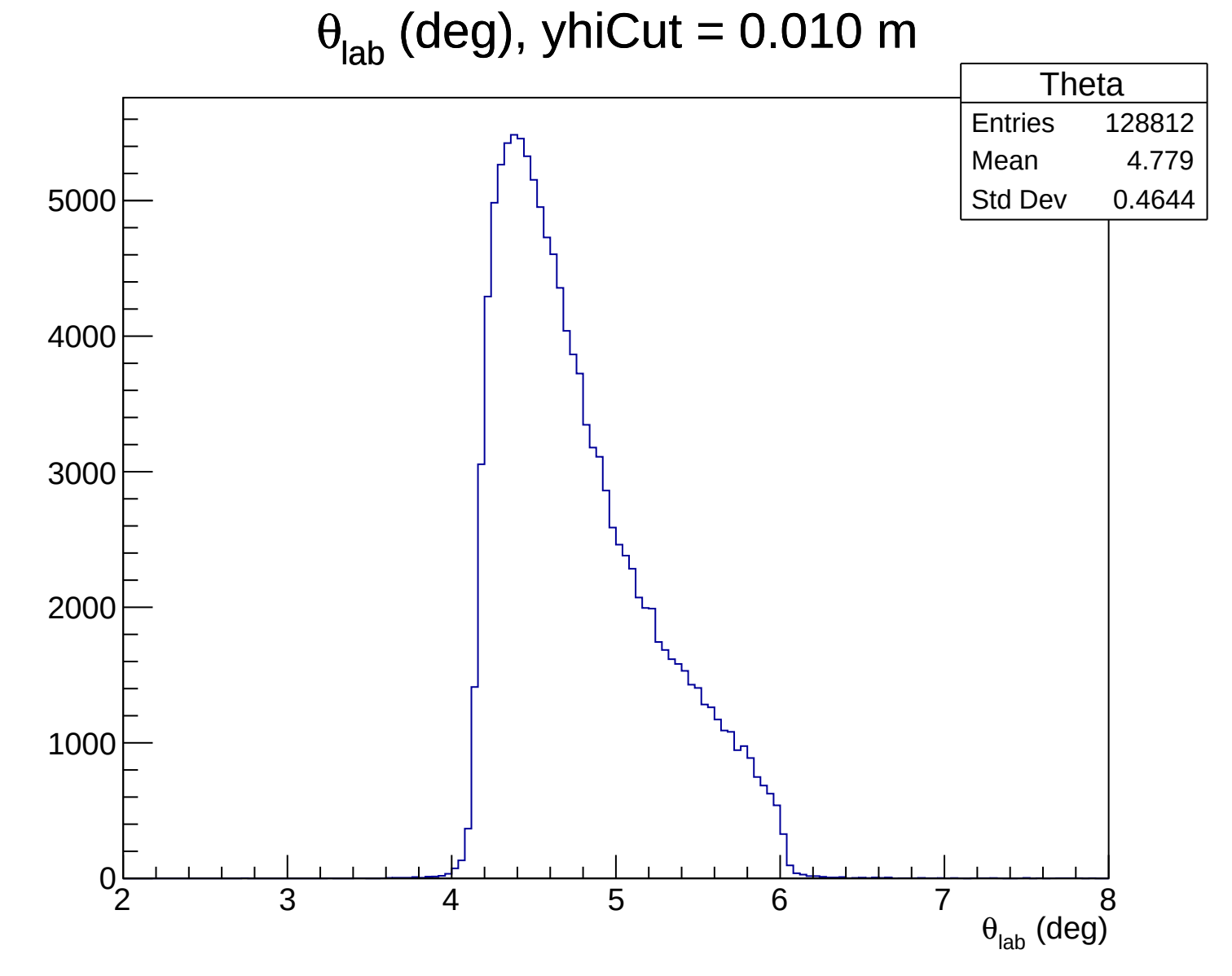
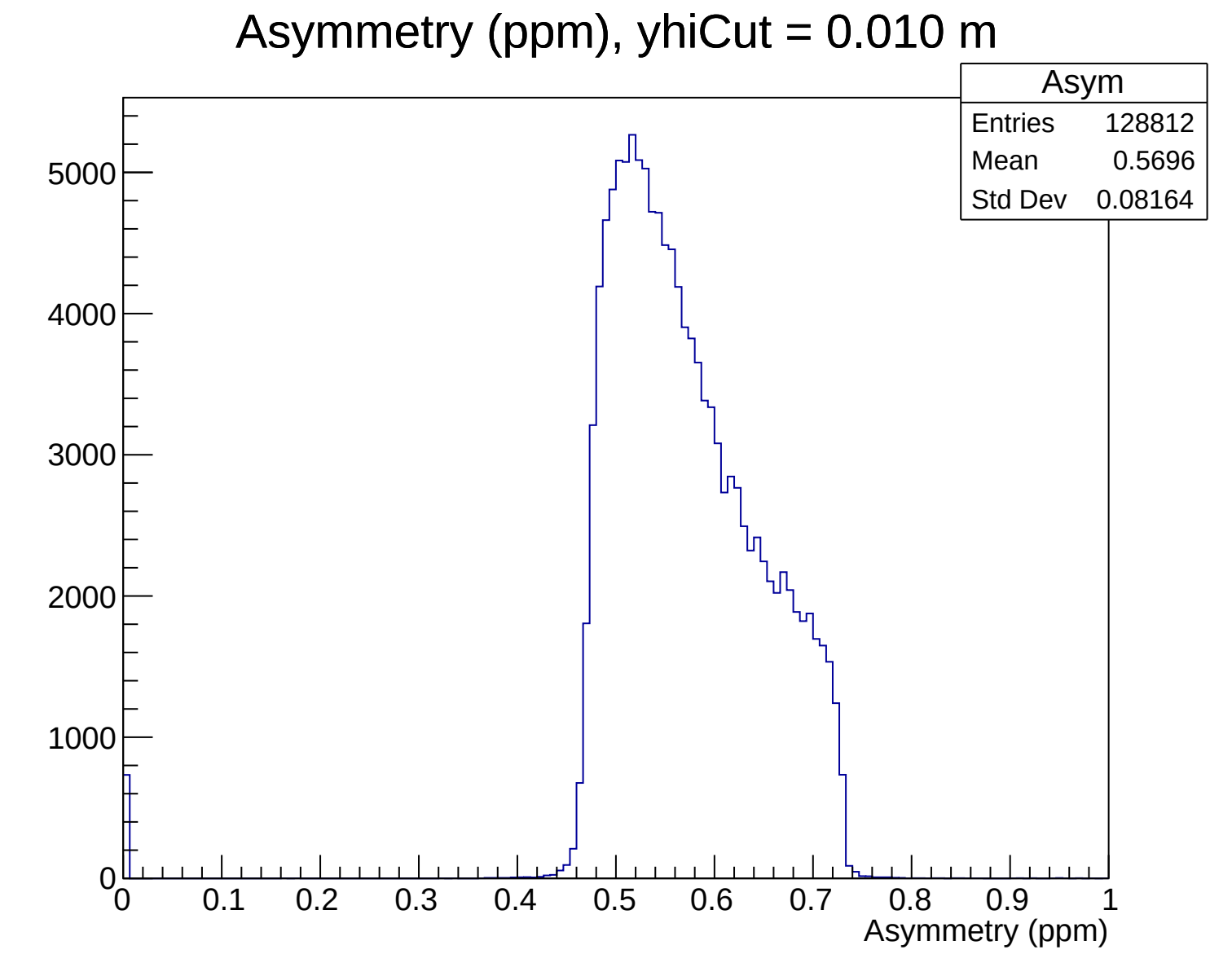

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

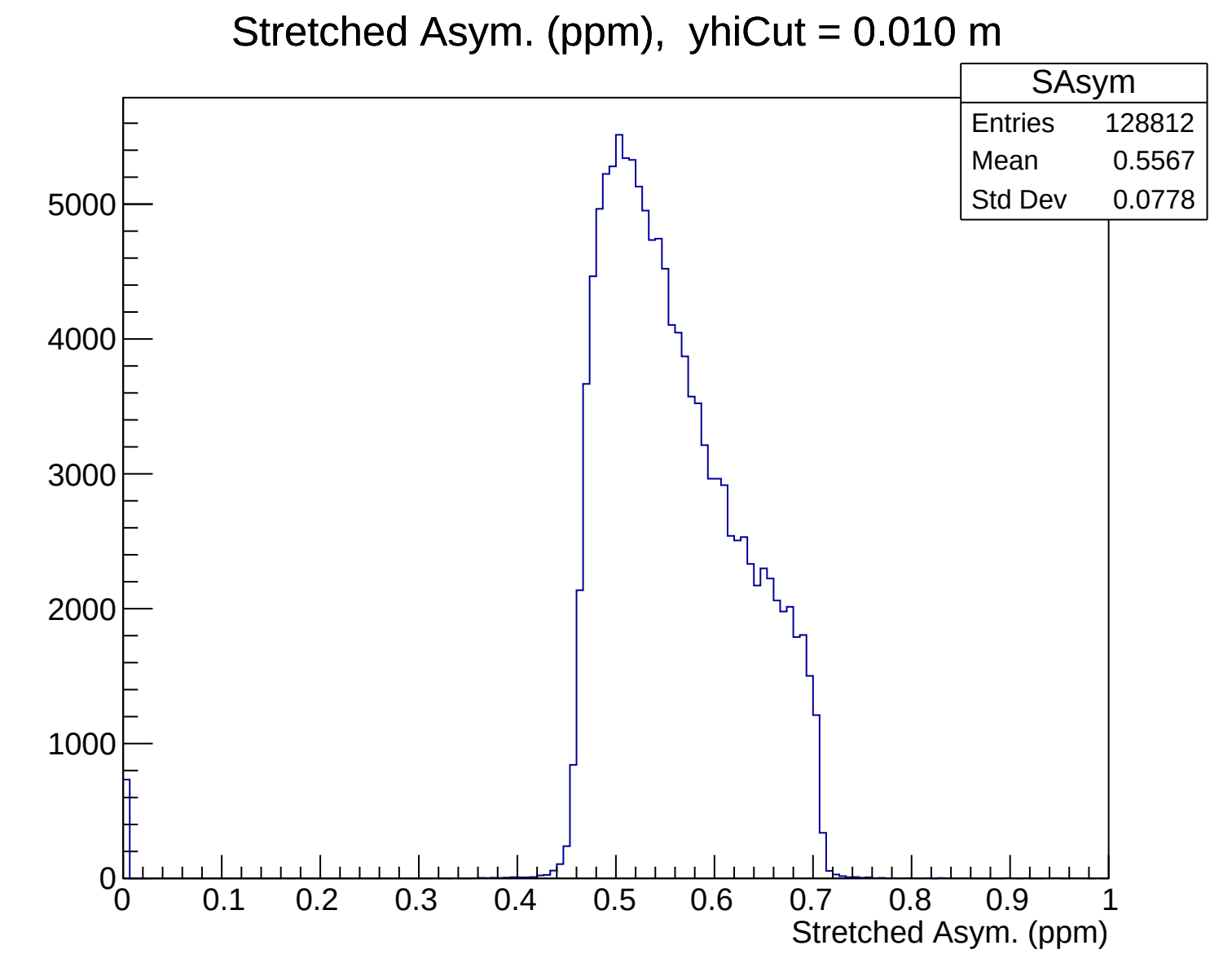

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.010
R.tr.y[0]+1.3*R.tr.ph[0] (m)

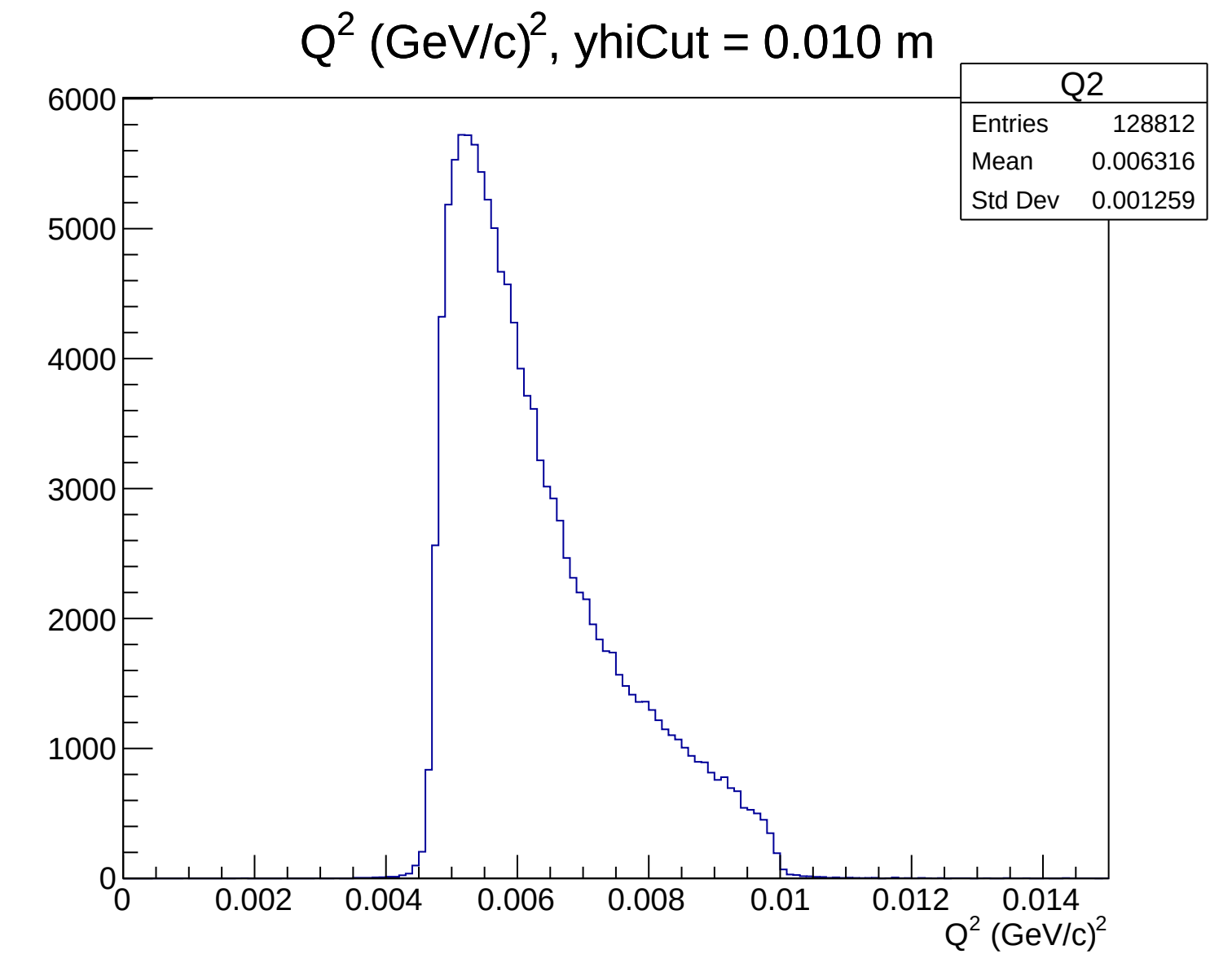

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

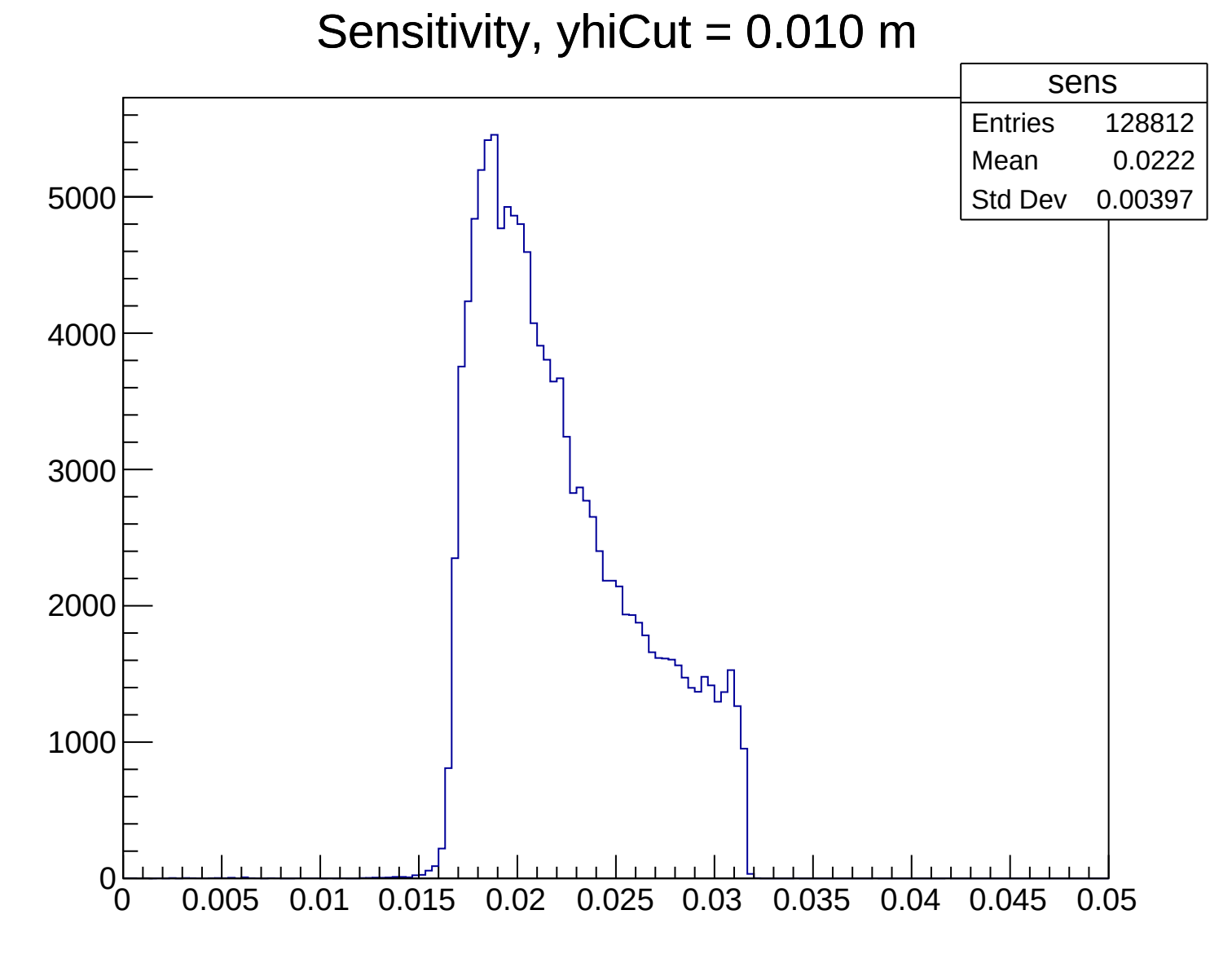

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

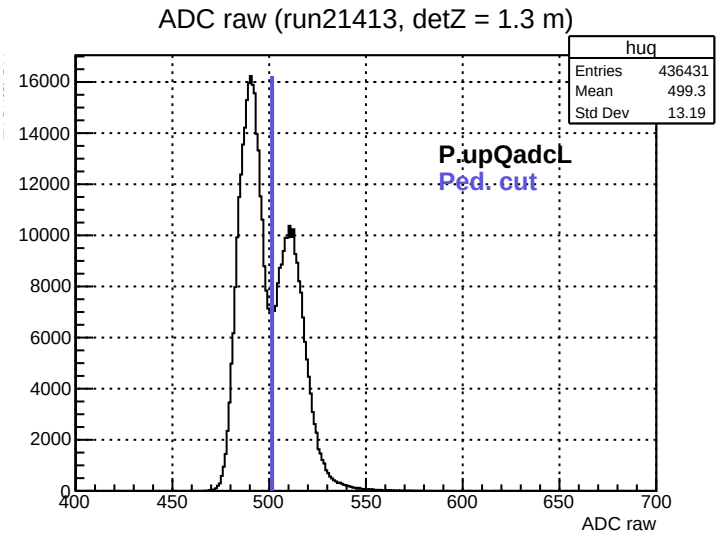

θlab (deg), yhiCut = 0.010 m
Theta
Entries 128812
Mean 4.779
Std Dev 0.4644
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

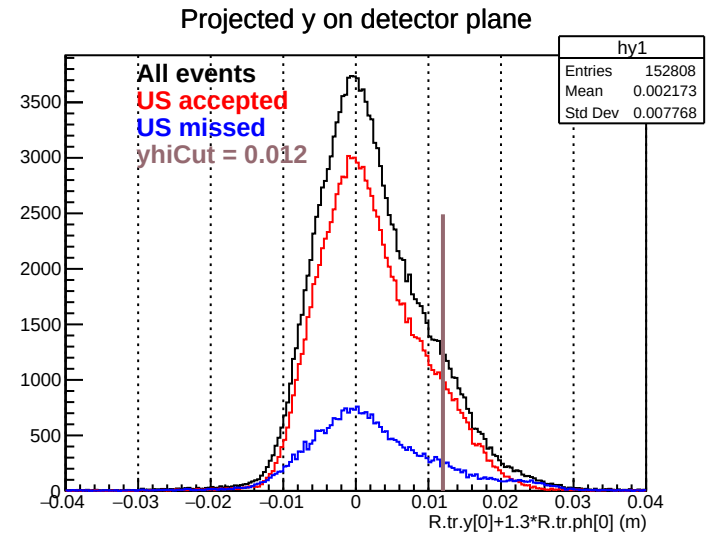

Asymmetry (ppm), yhiCut = 0.010 m
Asym
Entries 128812
Mean 0.5696
Std Dev 0.08164
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

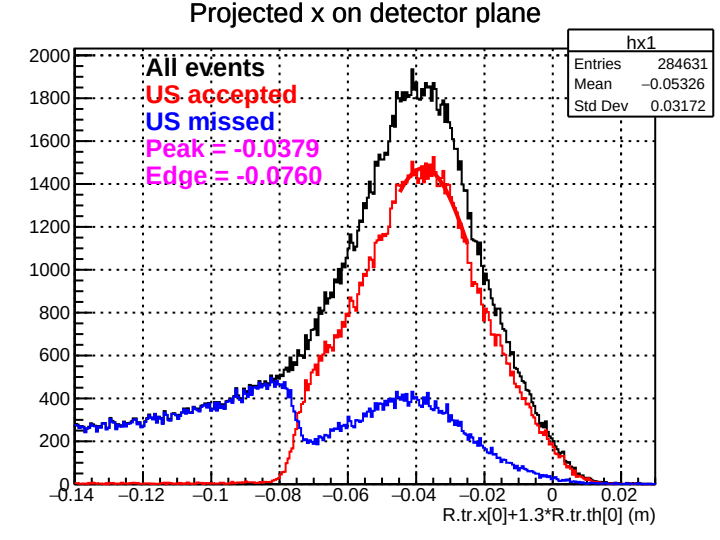

Stretched Asym. (ppm),  yhiCut = 0.010 m
SAsym
Entries 128812
Mean 0.5567
Std Dev 0.0778
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

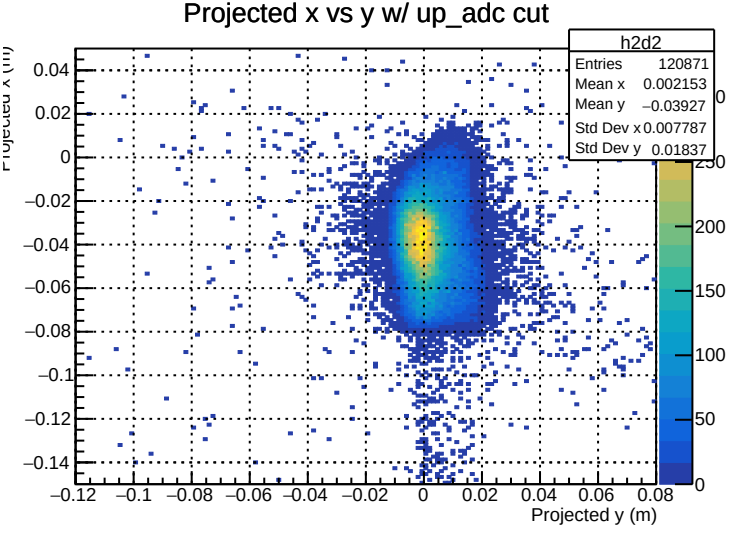

$Q^2$ (GeV/c)$^2$, yhiCut = 0.010 m
Q2
Entries 128812
Mean 0.006316
Std Dev 0.001259
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

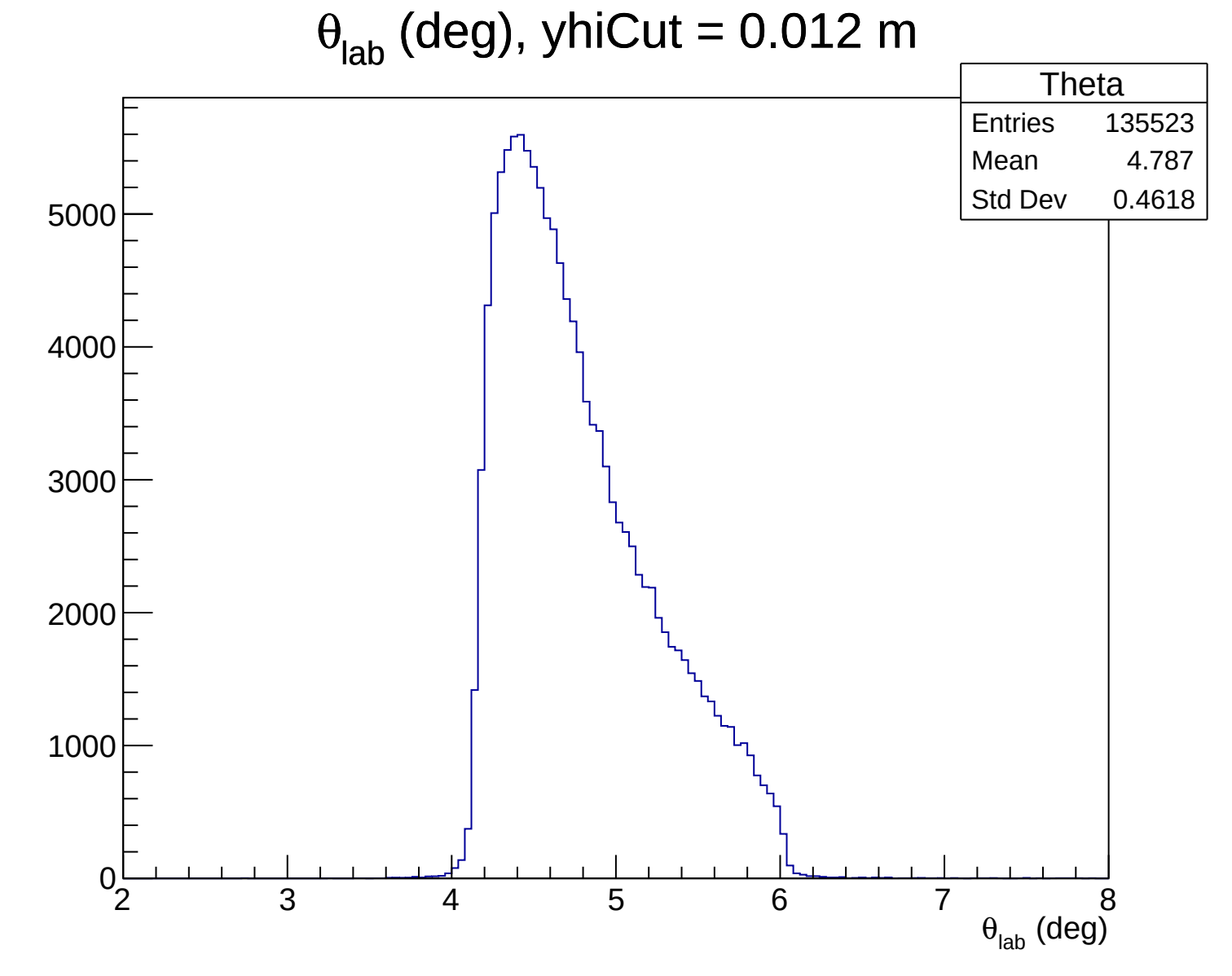

Sensitivity, yhiCut = 0.010 m
sens
Entries 128812
Mean 0.0222
Std Dev 0.00397
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

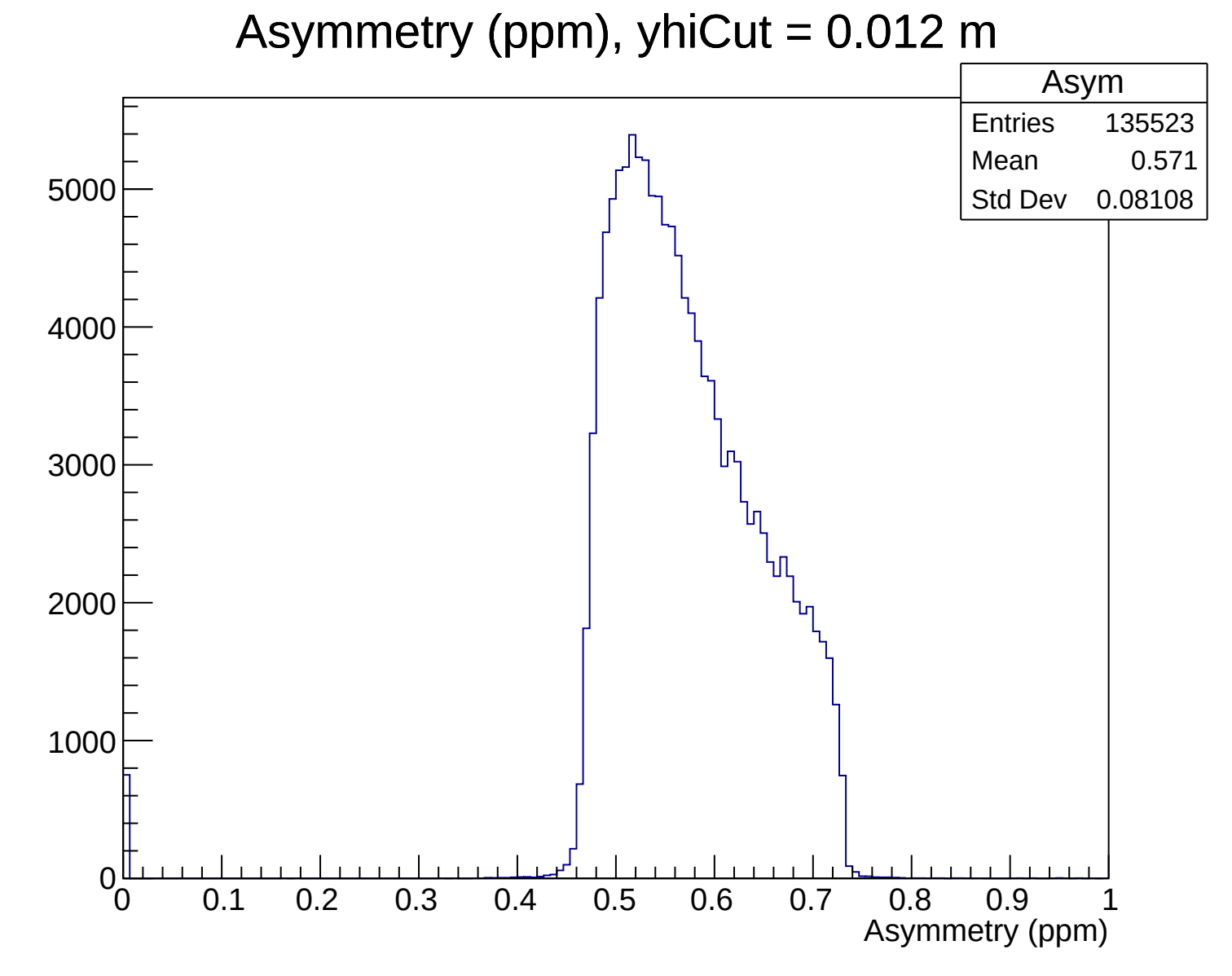

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

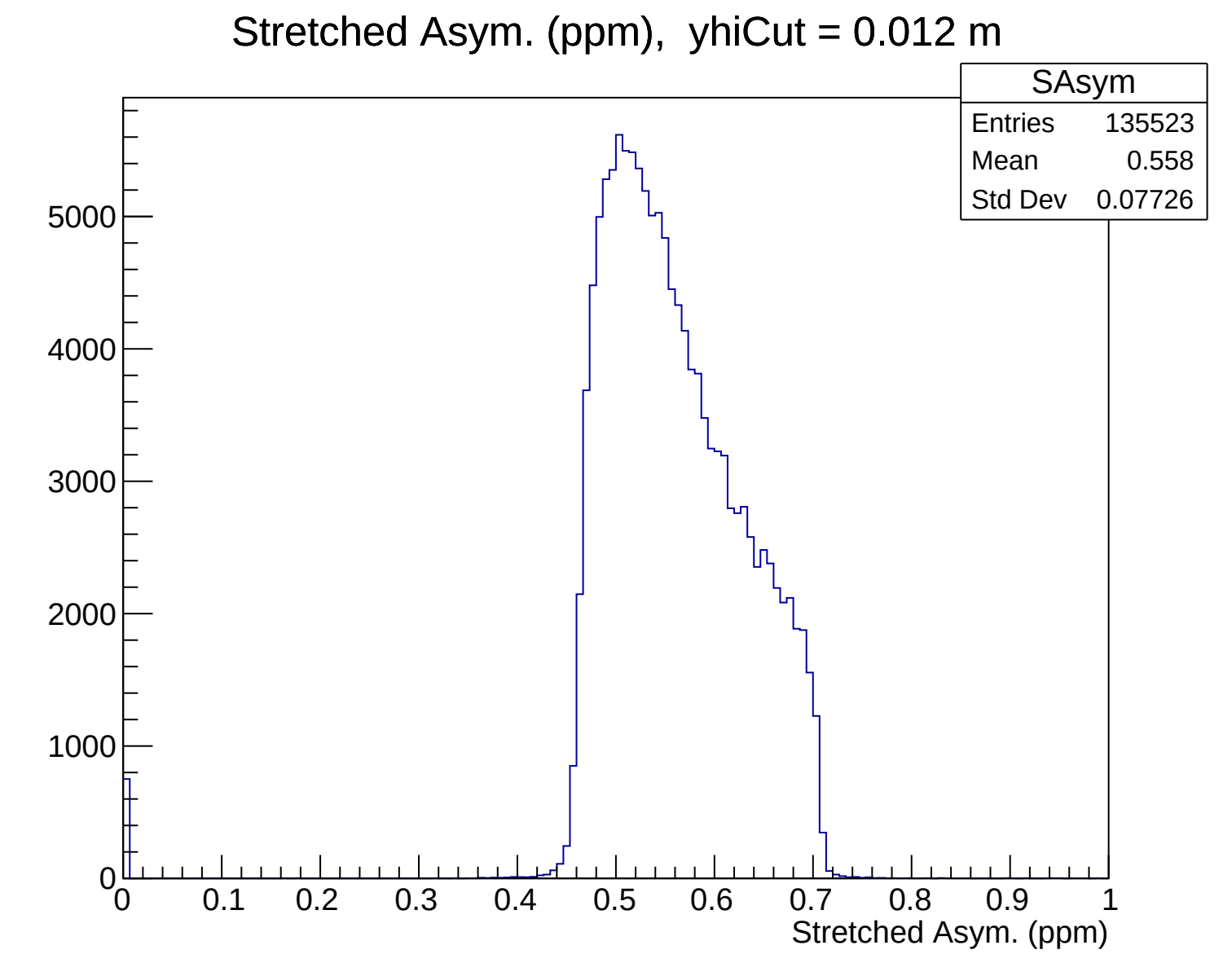

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.012
R.tr.y[0]+1.3*R.tr.ph[0] (m)

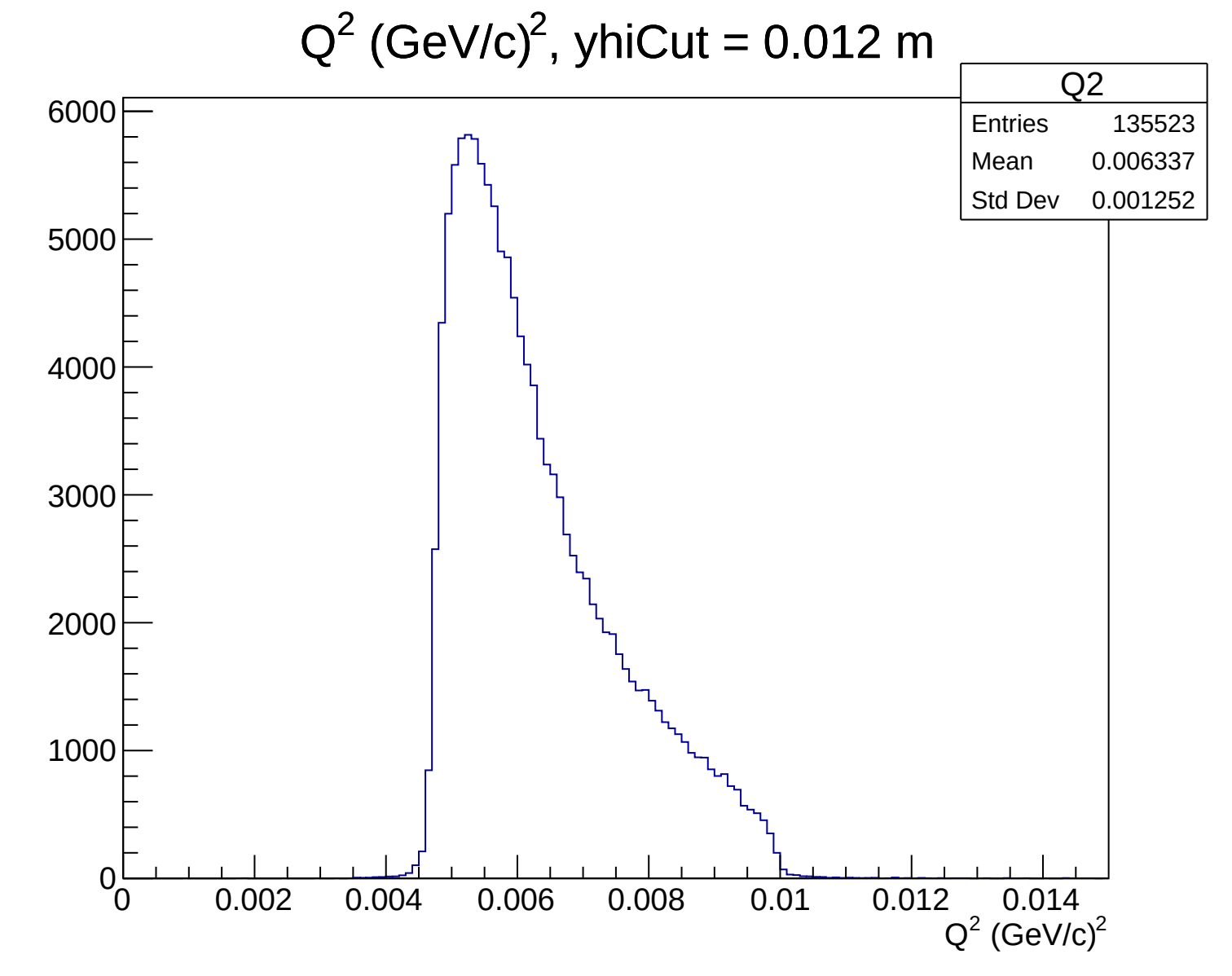

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

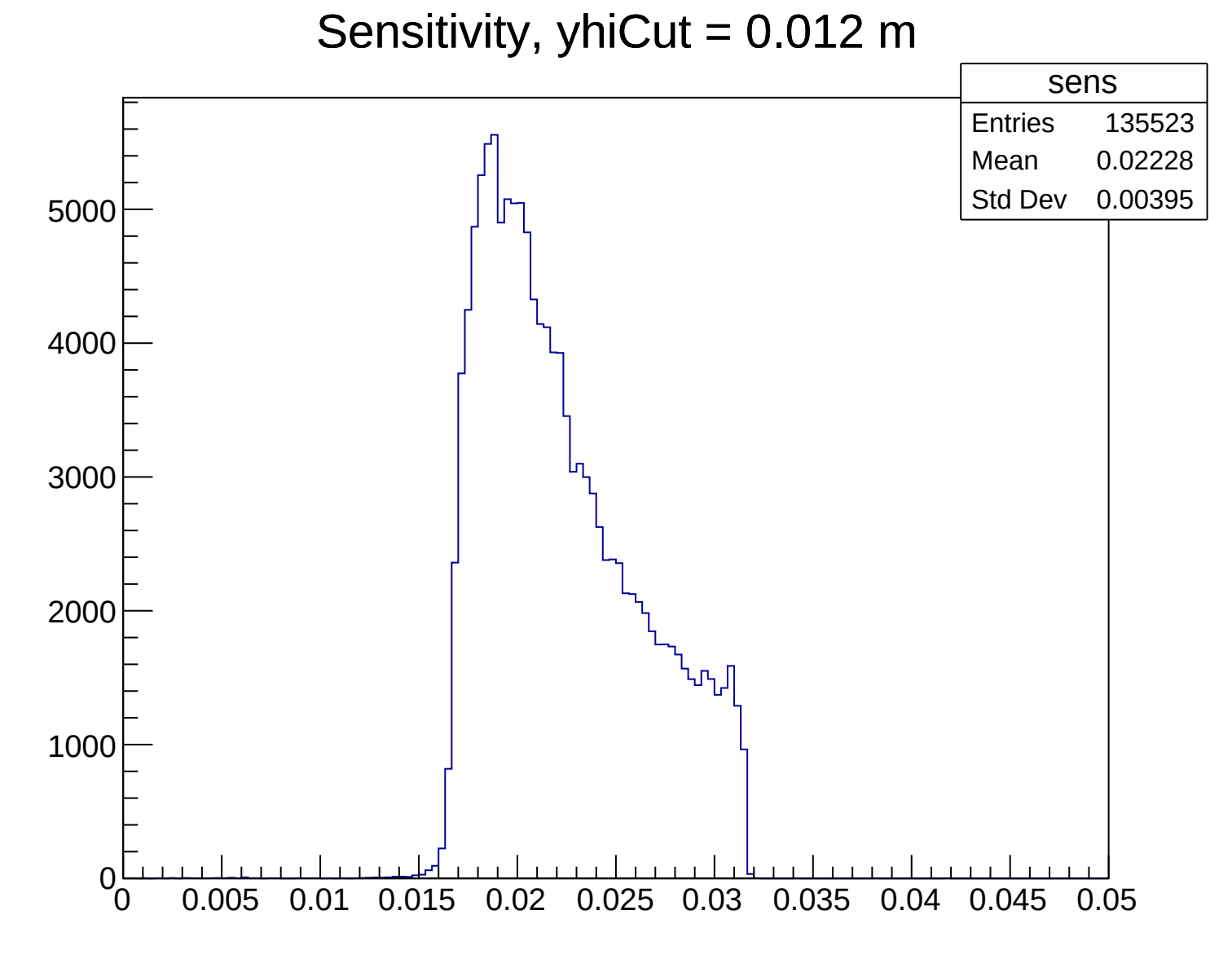

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

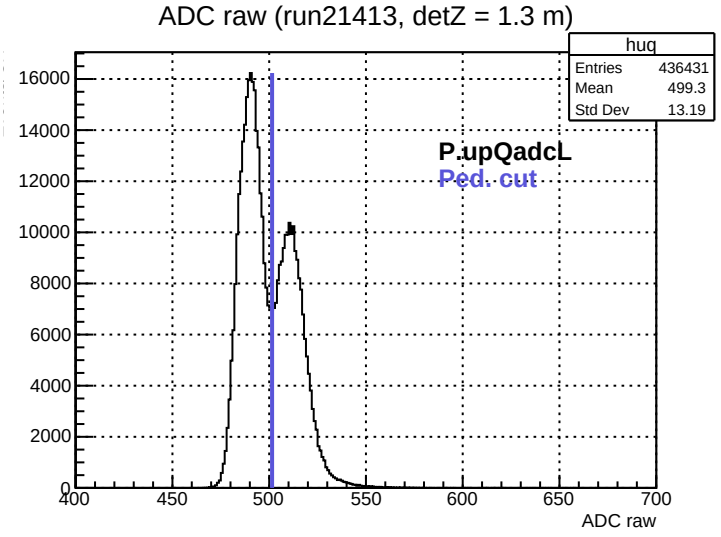

θlab (deg), yhiCut = 0.012 m
Theta
Entries 135523
Mean 4.787
Std Dev 0.4618
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

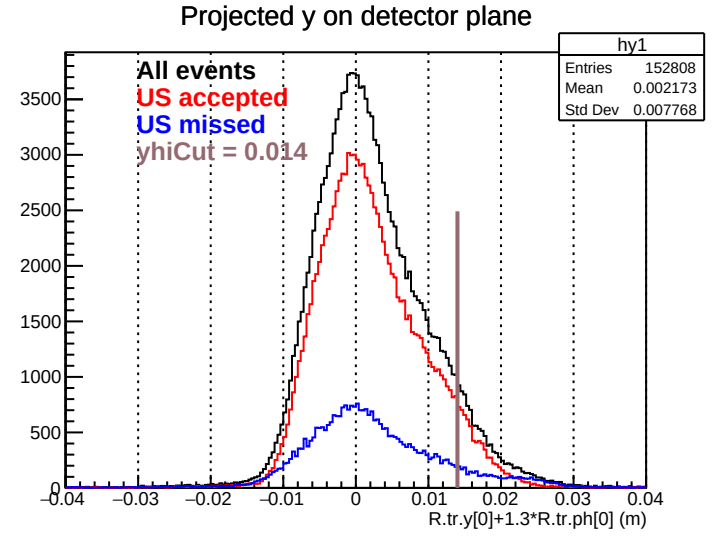

Asymmetry (ppm), yhiCut = 0.012 m
Asym
Entries 135523
Mean 0.571
Std Dev 0.08108
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

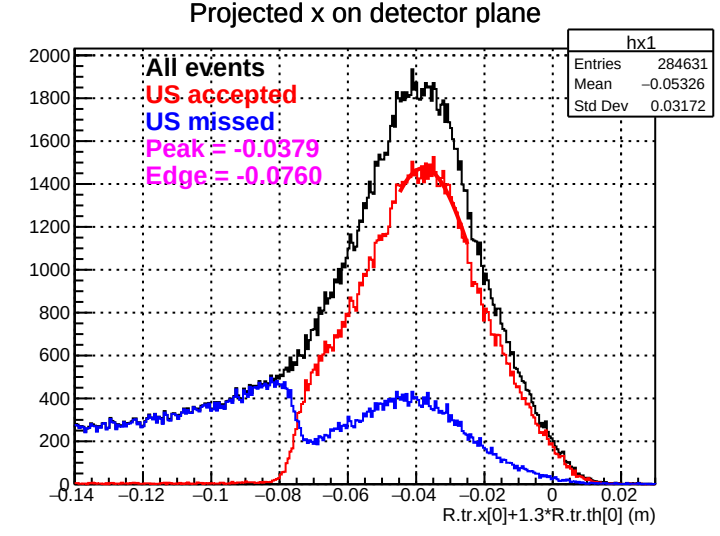

Stretched Asym. (ppm),  yhiCut = 0.012 m
SAsym
Entries 135523
Mean 0.558
Std Dev 0.07726
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

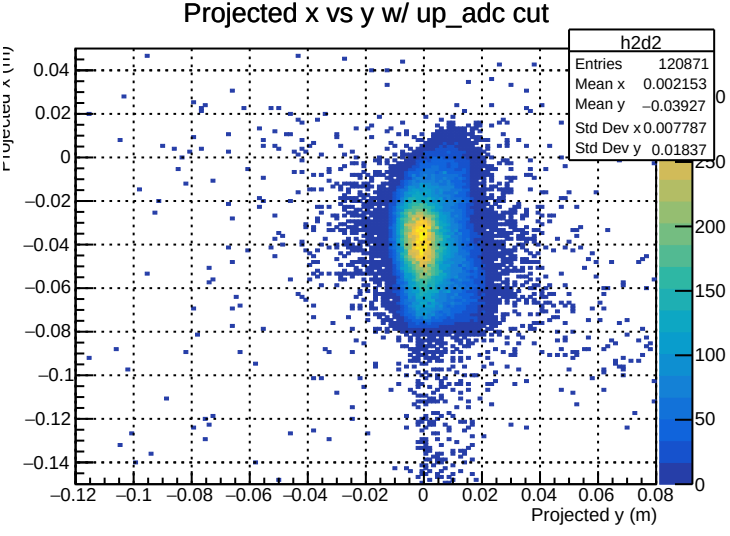

$Q^2$ (GeV/c)$^2$, yhiCut = 0.012 m
Q2
Entries 135523
Mean 0.006337
Std Dev 0.001252
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

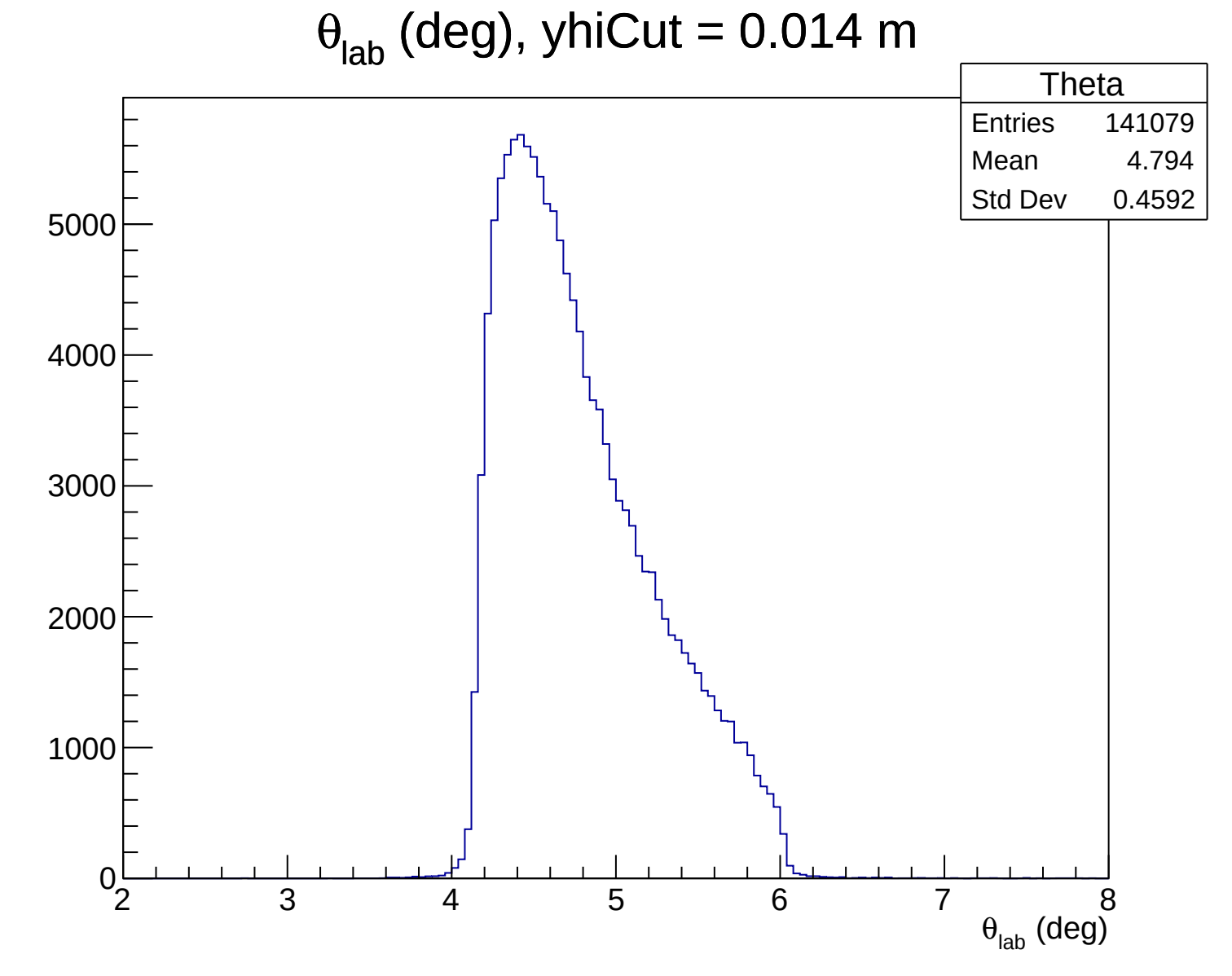

Sensitivity, yhiCut = 0.012 m
sens
Entries 135523
Mean 0.02228
Std Dev 0.00395
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

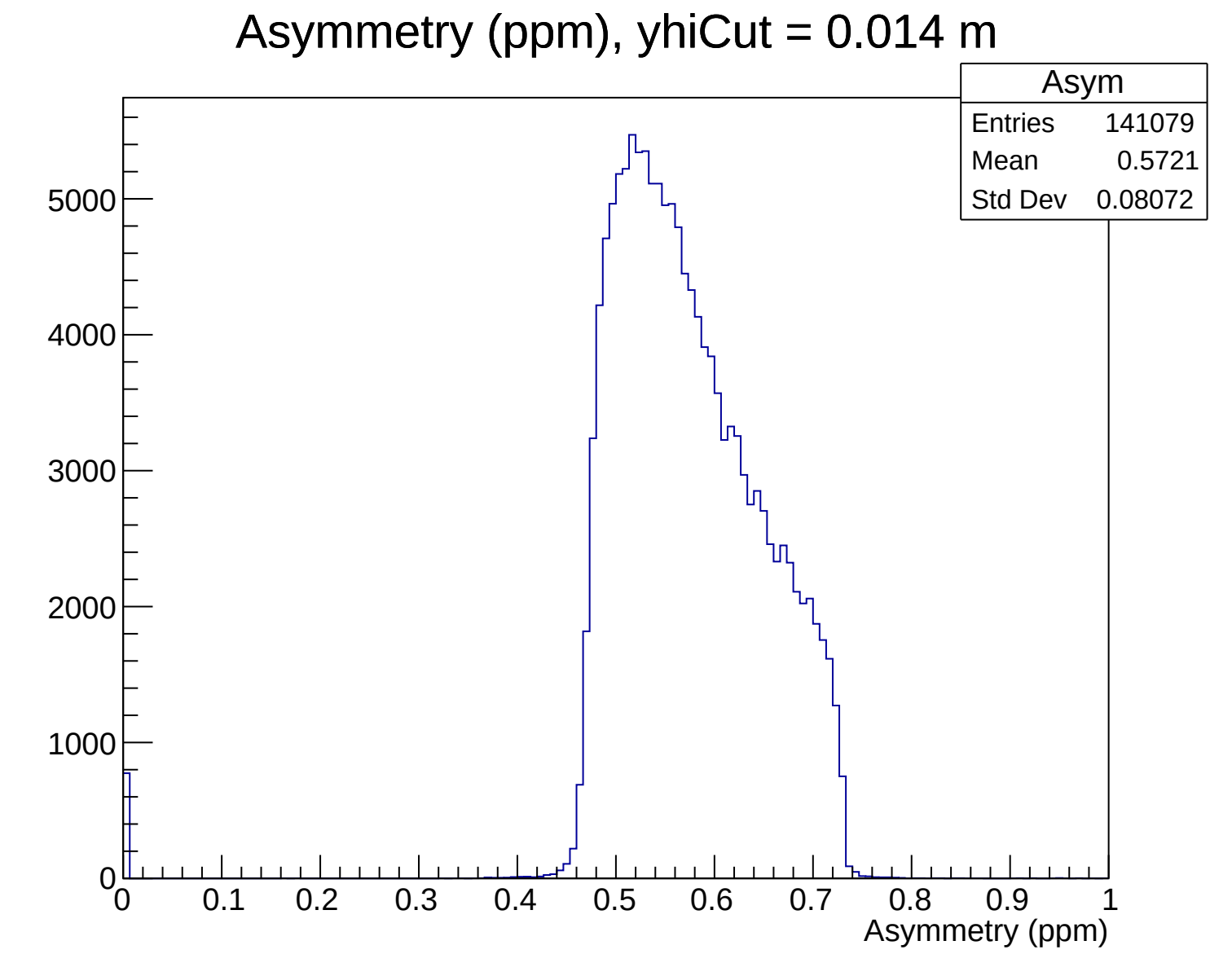

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

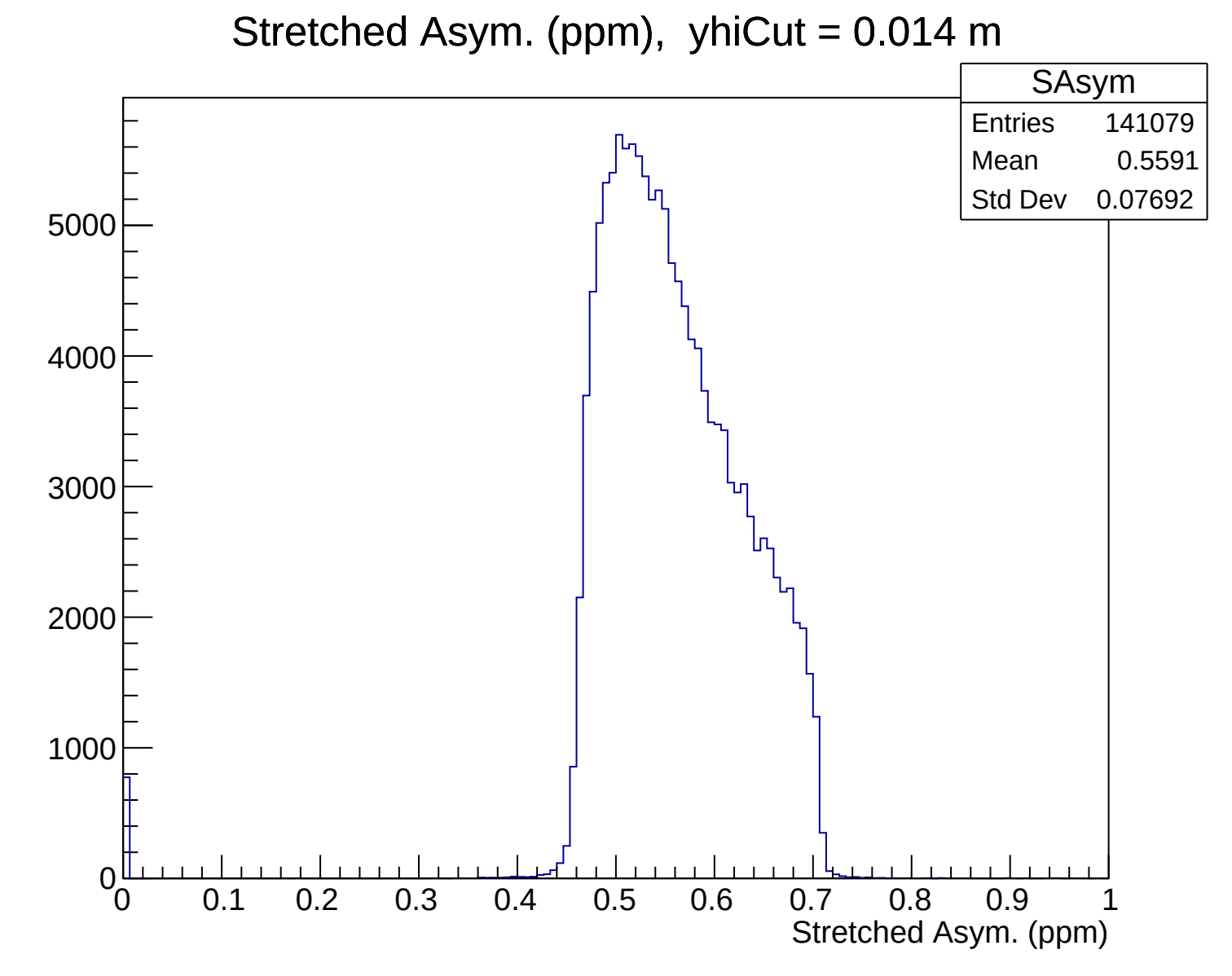

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.014
R.tr.y[0]+1.3*R.tr.ph[0] (m)

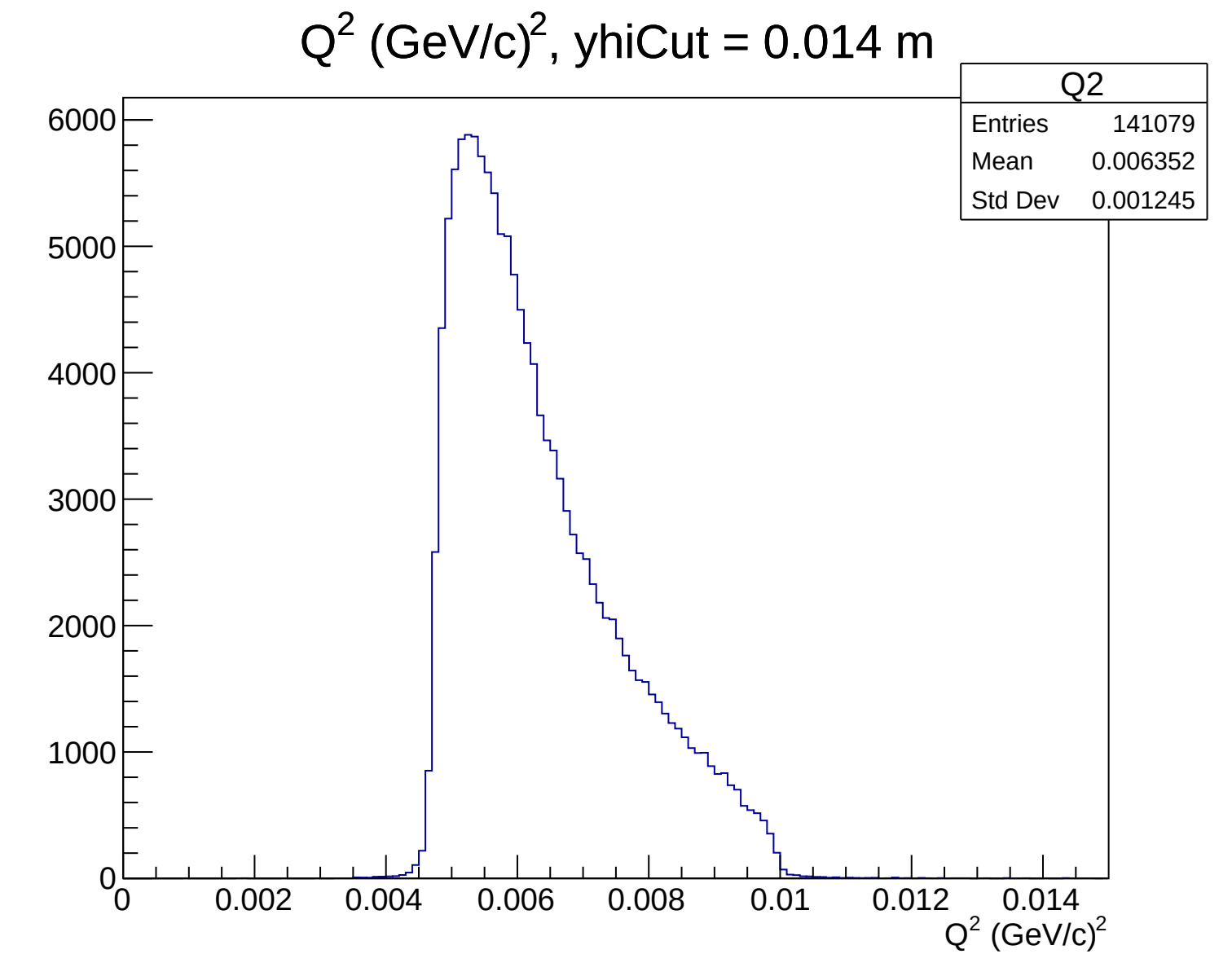

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

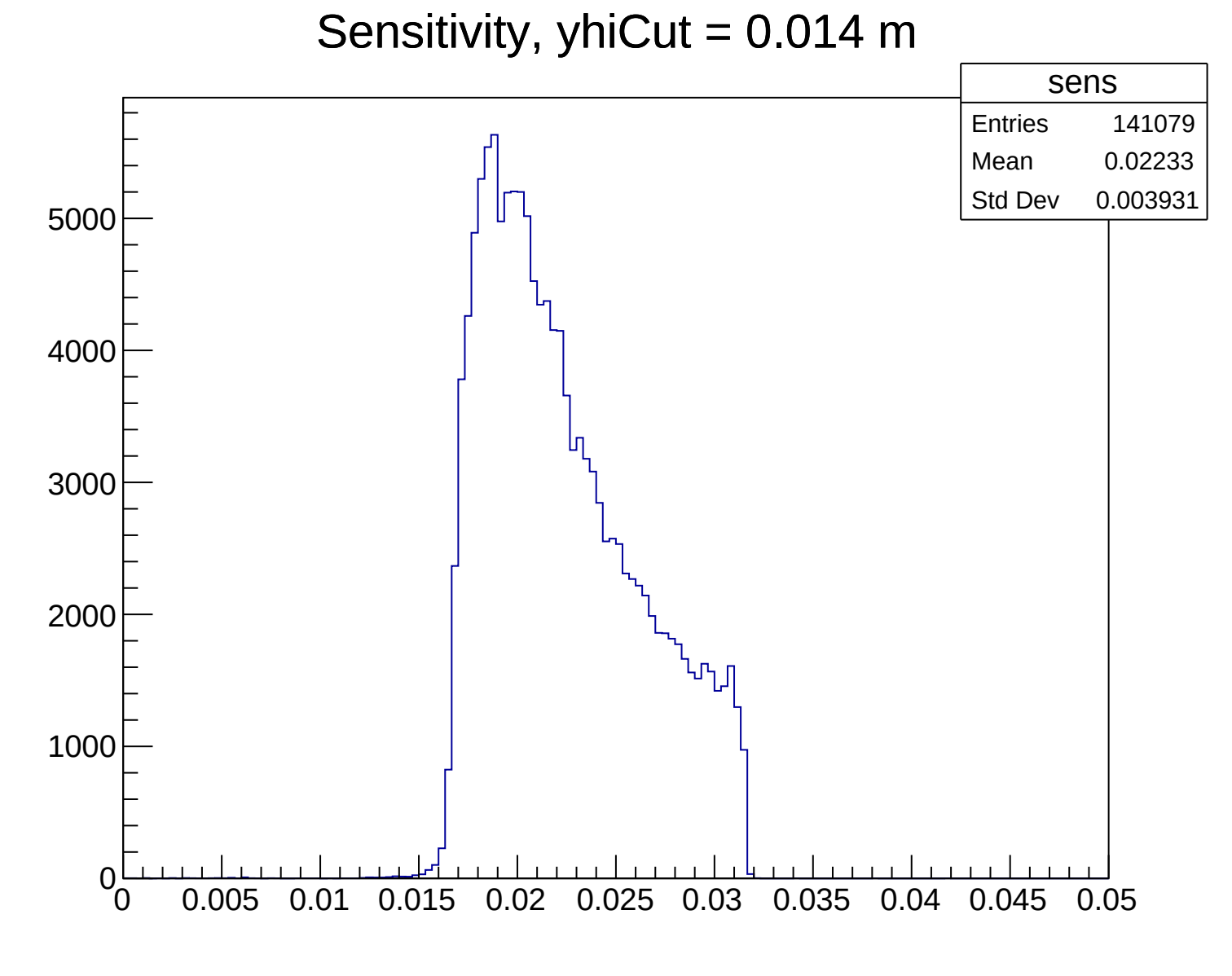

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected x (m)
Projected y (m)

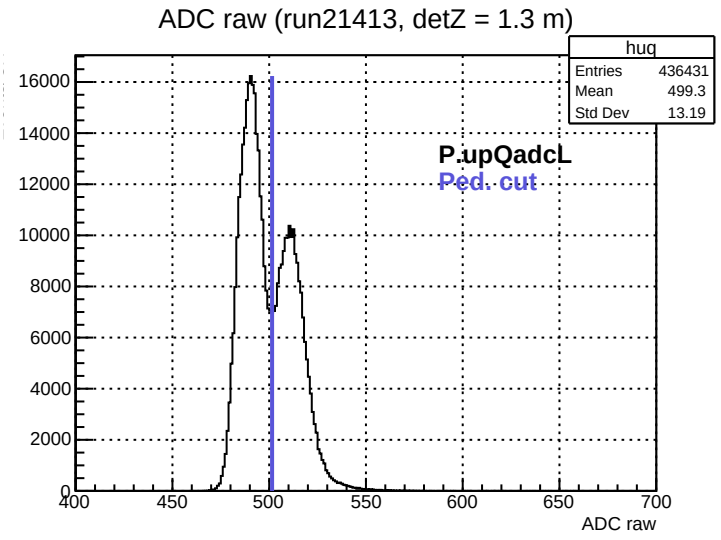

θlab (deg), yhiCut = 0.014 m
Theta
Entries 141079
Mean 4.794
Std Dev 0.4592
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

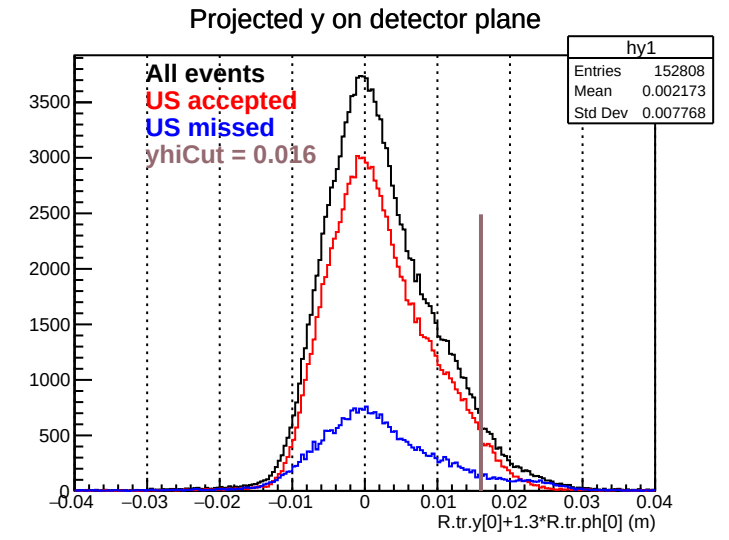

Asymmetry (ppm), yhiCut = 0.014 m
Asym
Entries 141079
Mean 0.5721
Std Dev 0.08072
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

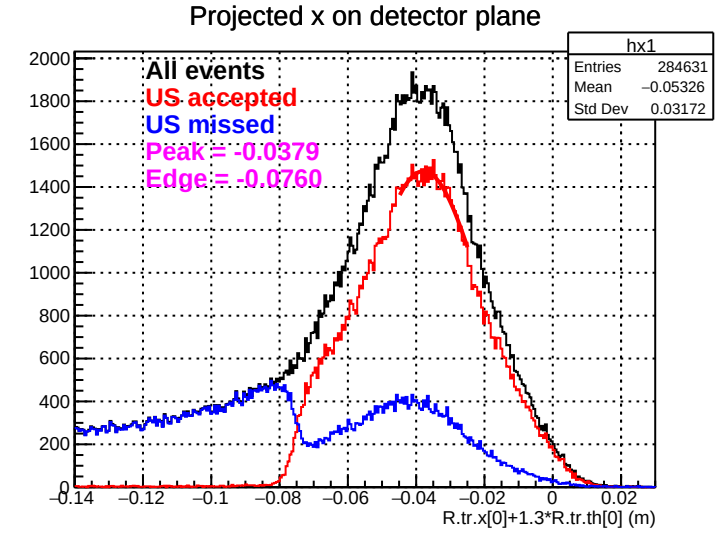

Stretched Asym. (ppm),  yhiCut = 0.014 m
SAsym
Entries 141079
Mean 0.5591
Std Dev 0.07692
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

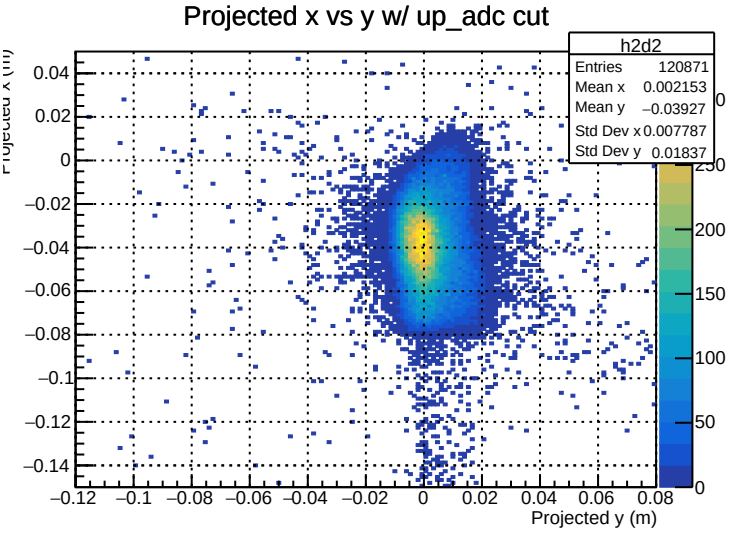

$Q^2$ (GeV/c)$^2$, yhiCut = 0.014 m
Q2
Entries 141079
Mean 0.006352
Std Dev 0.001245
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

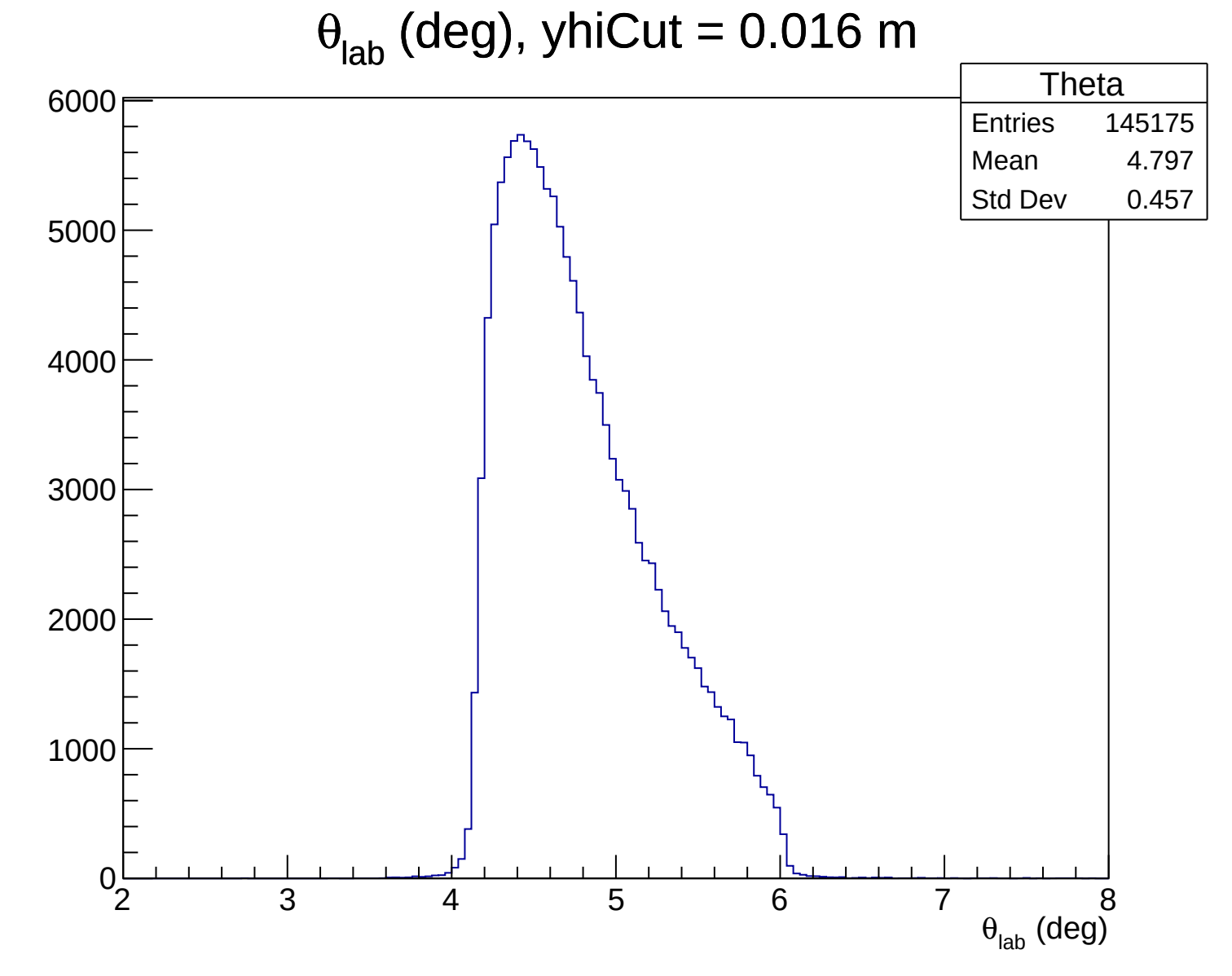

Sensitivity, yhiCut = 0.014 m
sens
Entries 141079
Mean 0.02233
Std Dev 0.003931
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

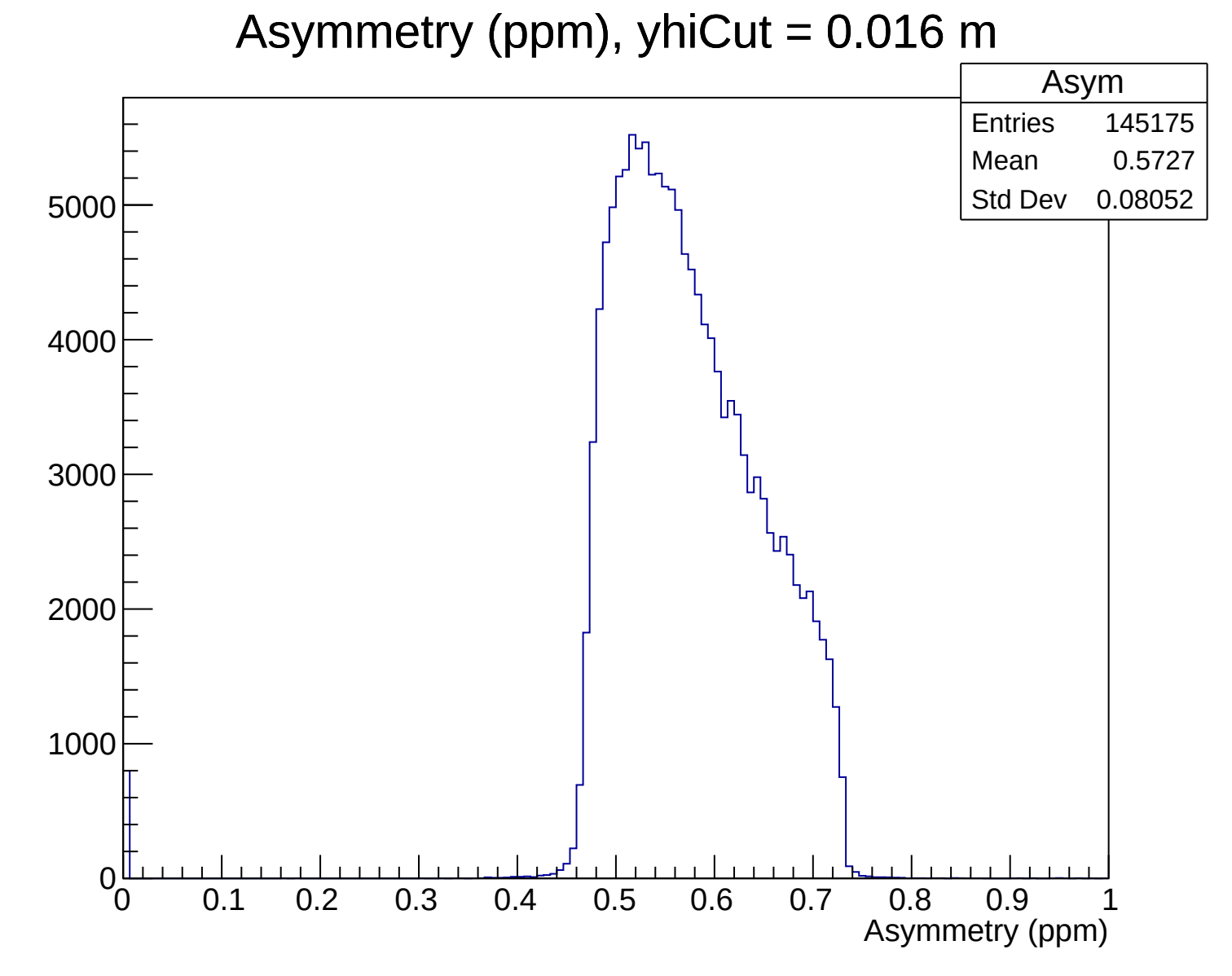

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

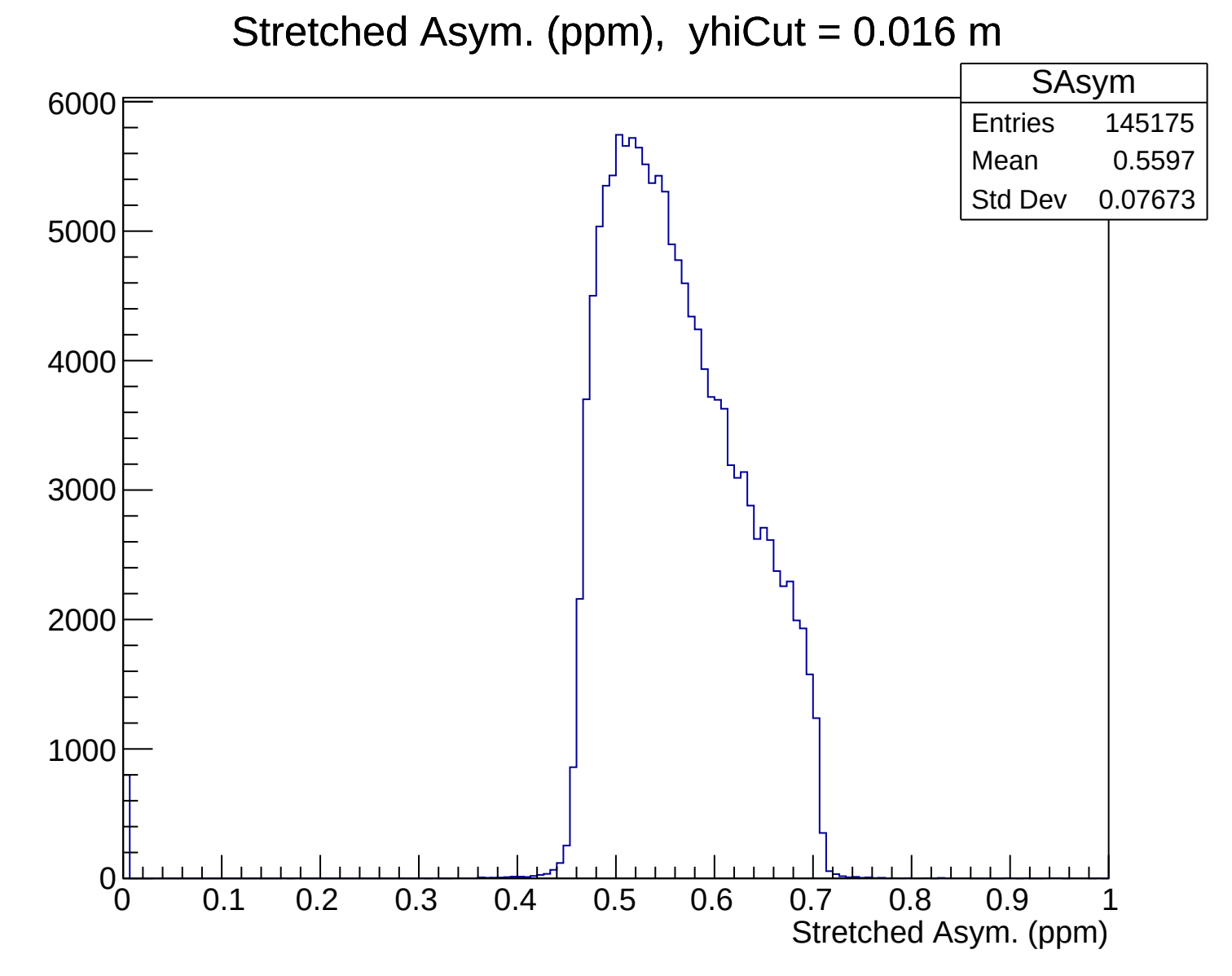

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.016
R.tr.y[0]+1.3*R.tr.ph[0] (m)

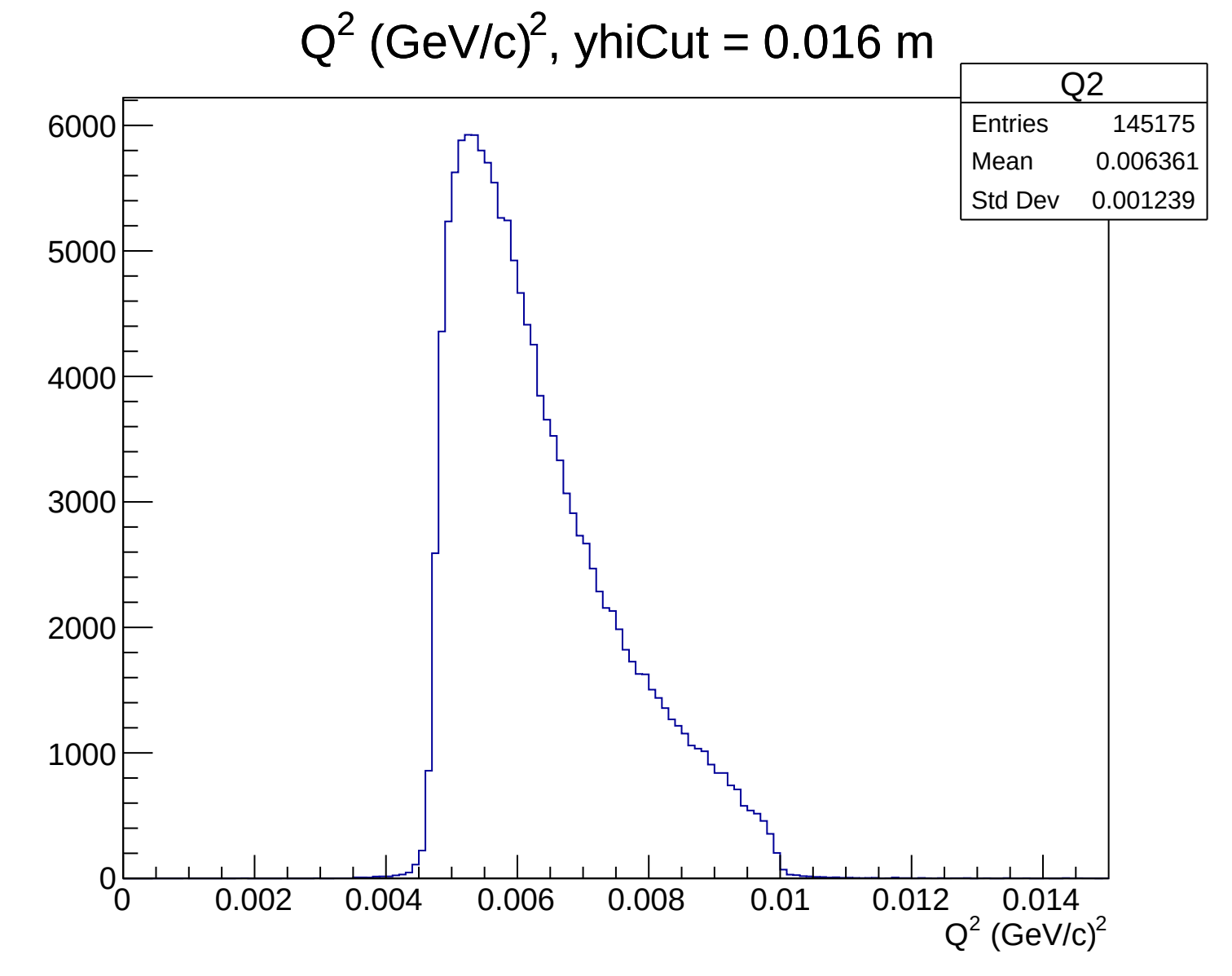

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

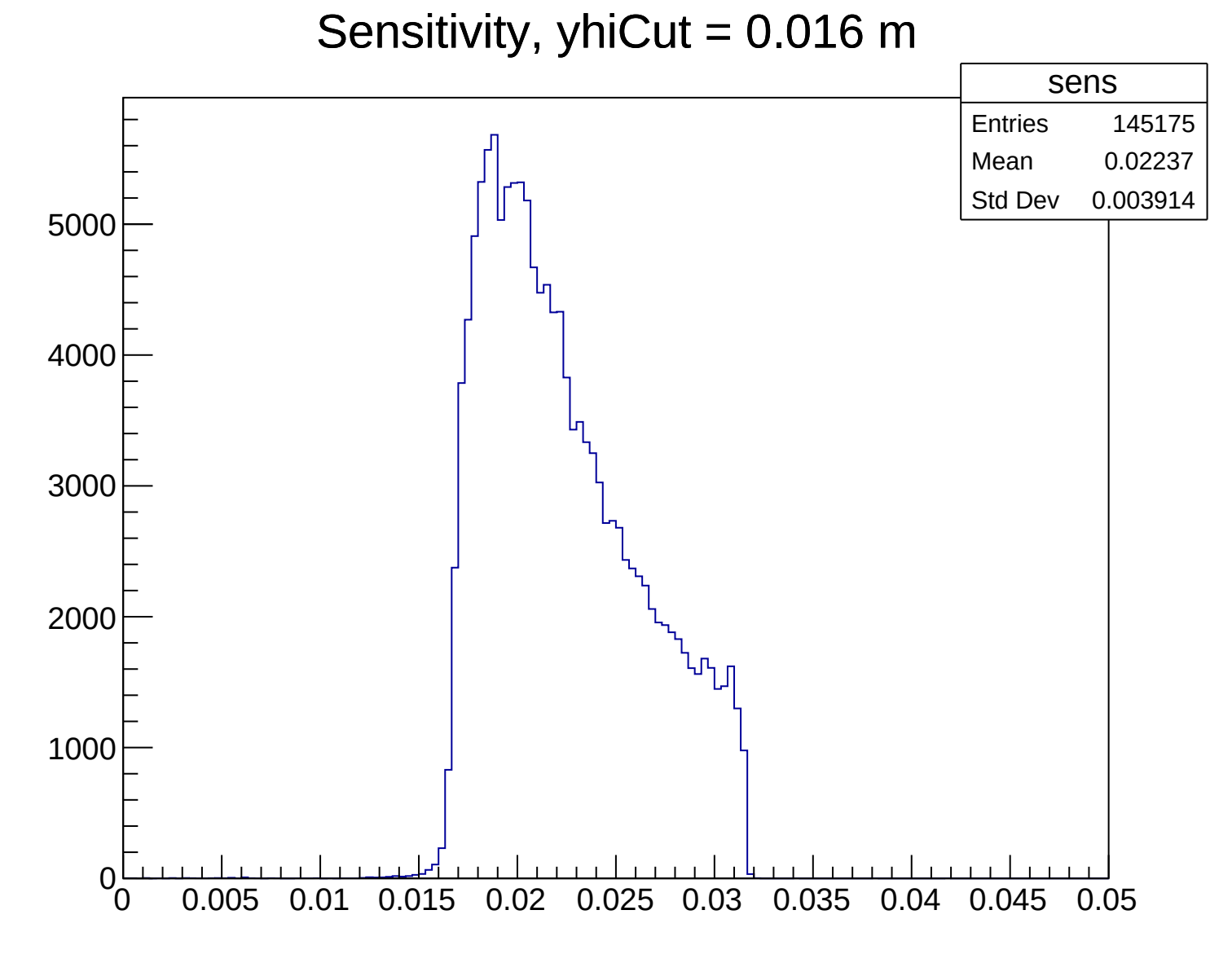

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

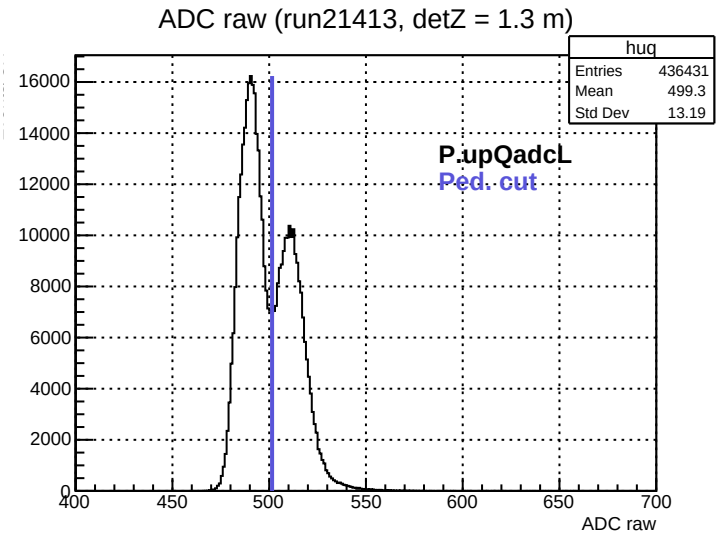

θlab (deg), yhiCut = 0.016 m
Theta
Entries 145175
Mean 4.797
Std Dev 0.457
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

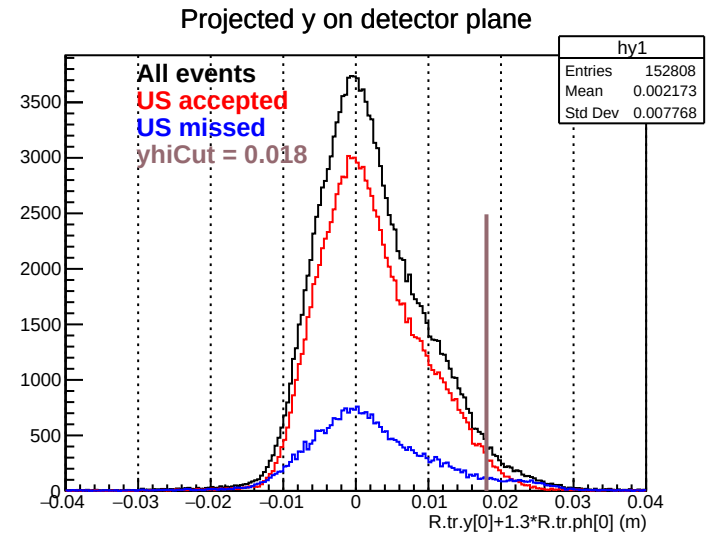

Asymmetry (ppm), yhiCut = 0.016 m
Asym
Entries 145175
Mean 0.5727
Std Dev 0.08052
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

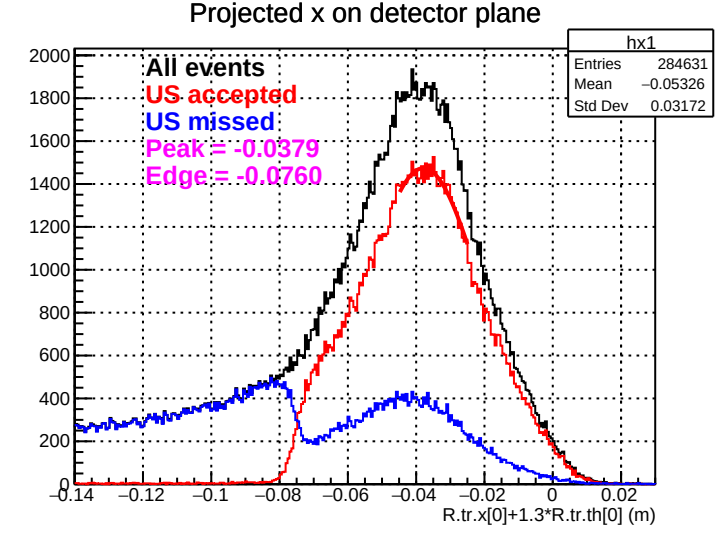

Stretched Asym. (ppm),  yhiCut = 0.016 m
SAsym
Entries 145175
Mean 0.5597
Std Dev 0.07673
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

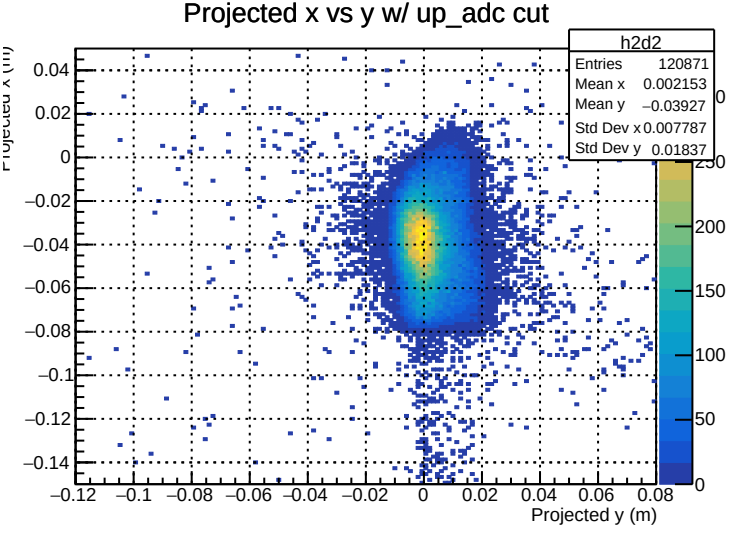

$Q^2$ $(GeV/c)^2$, yhiCut = 0.016 m
Q2
Entries 145175
Mean 0.006361
Std Dev 0.001239
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ $(GeV/c)^2$

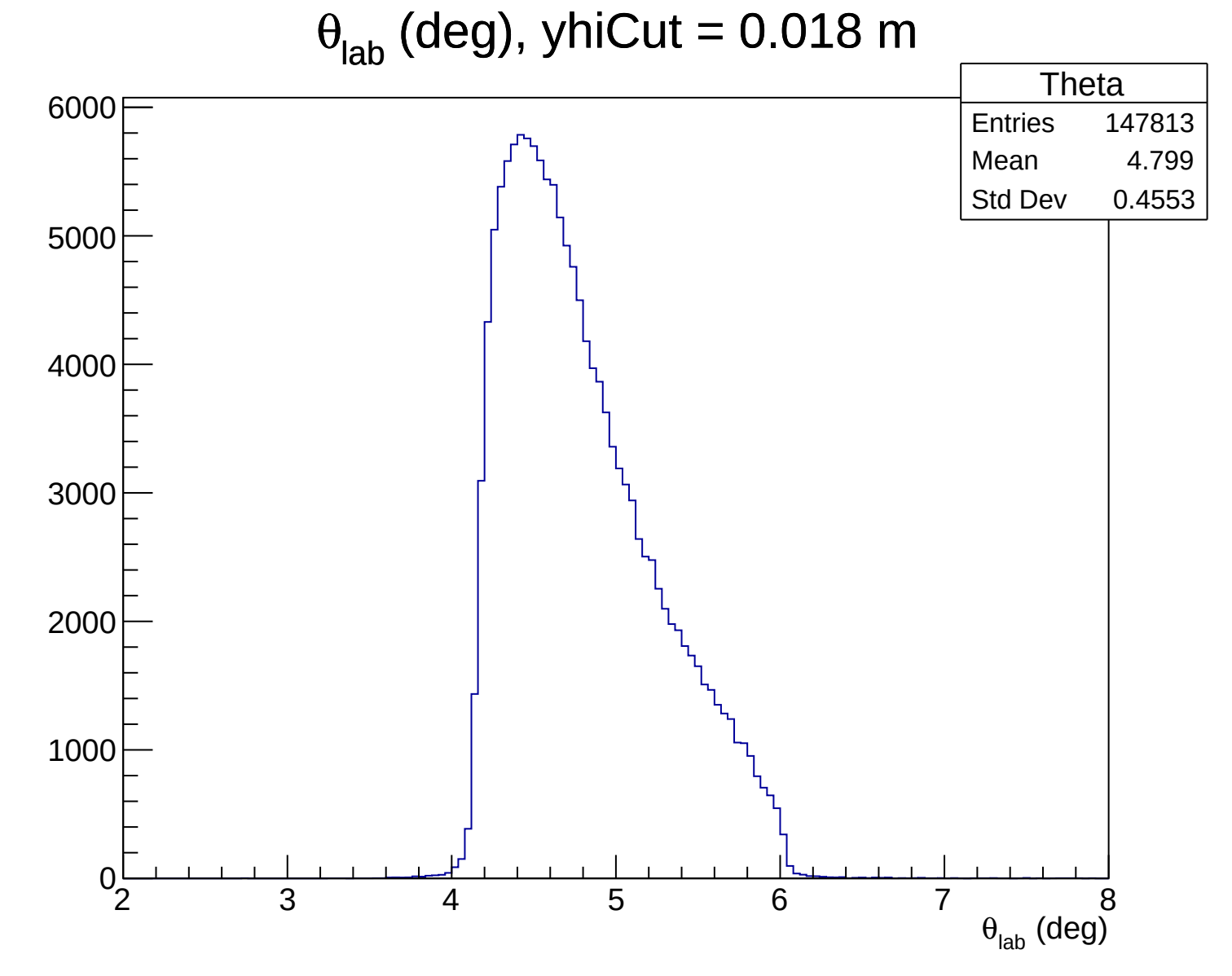

Sensitivity, yhiCut = 0.016 m
sens
Entries 145175
Mean 0.02237
Std Dev 0.003914
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

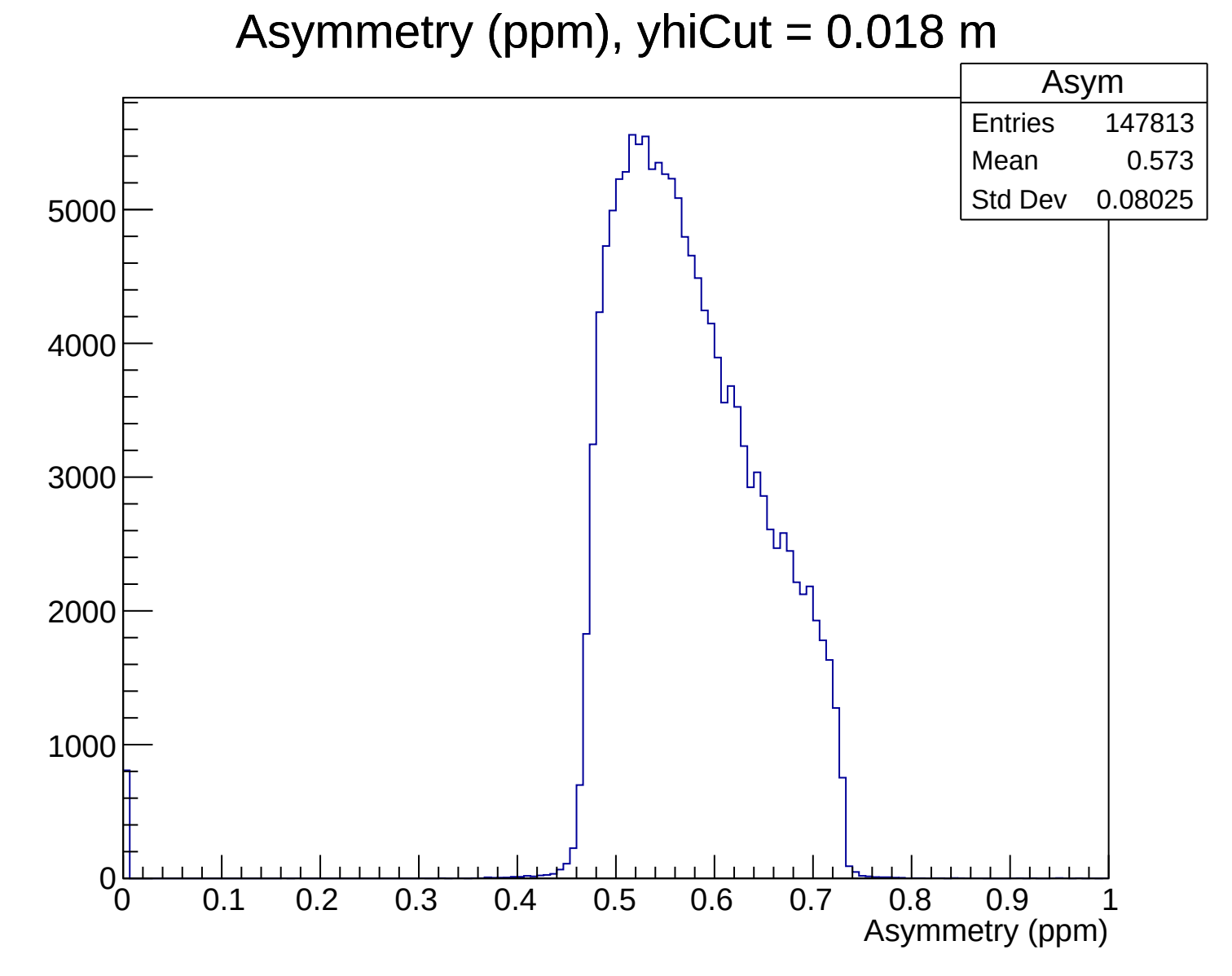

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

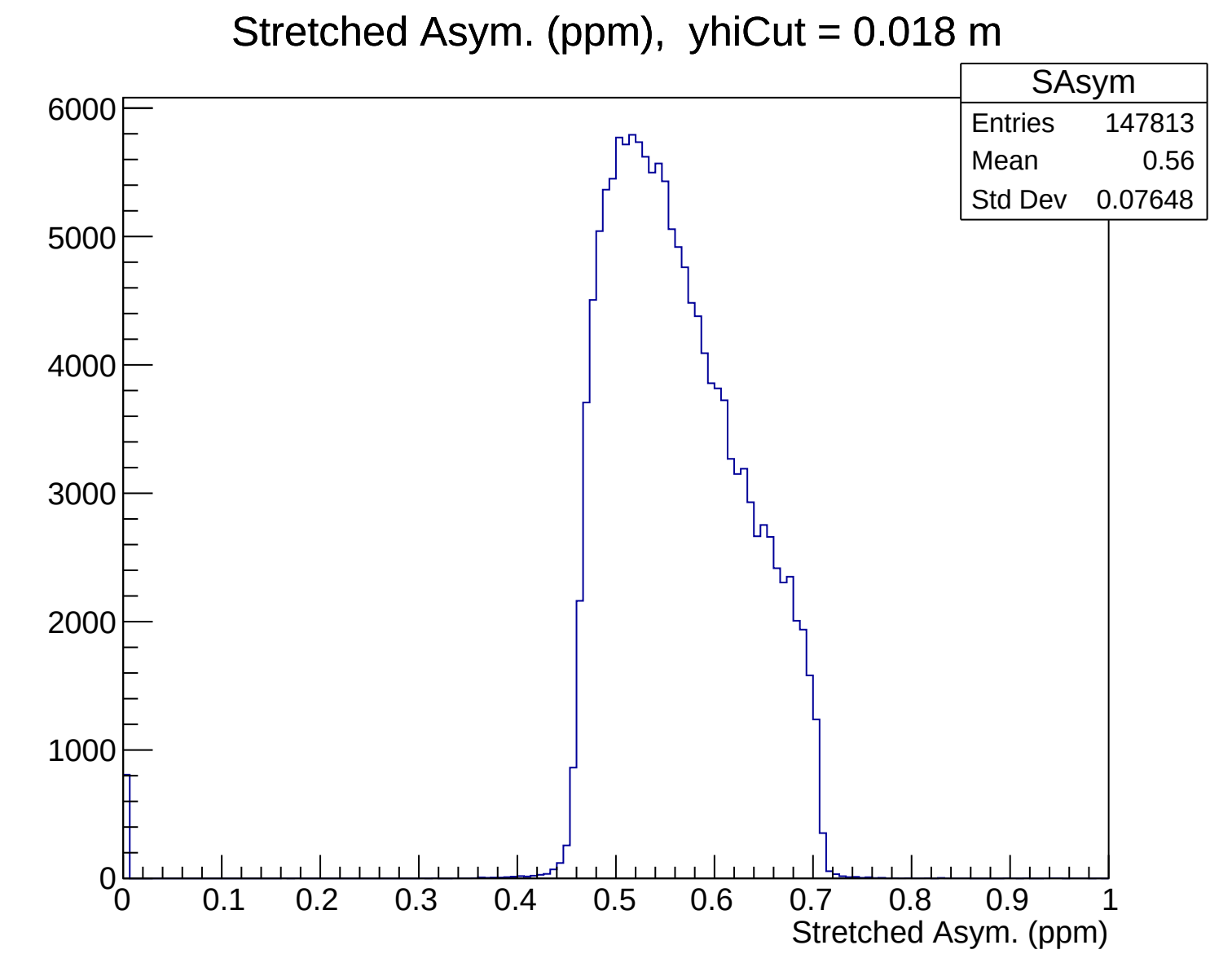

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.018
R.tr.y[0]+1.3*R.tr.ph[0] (m)

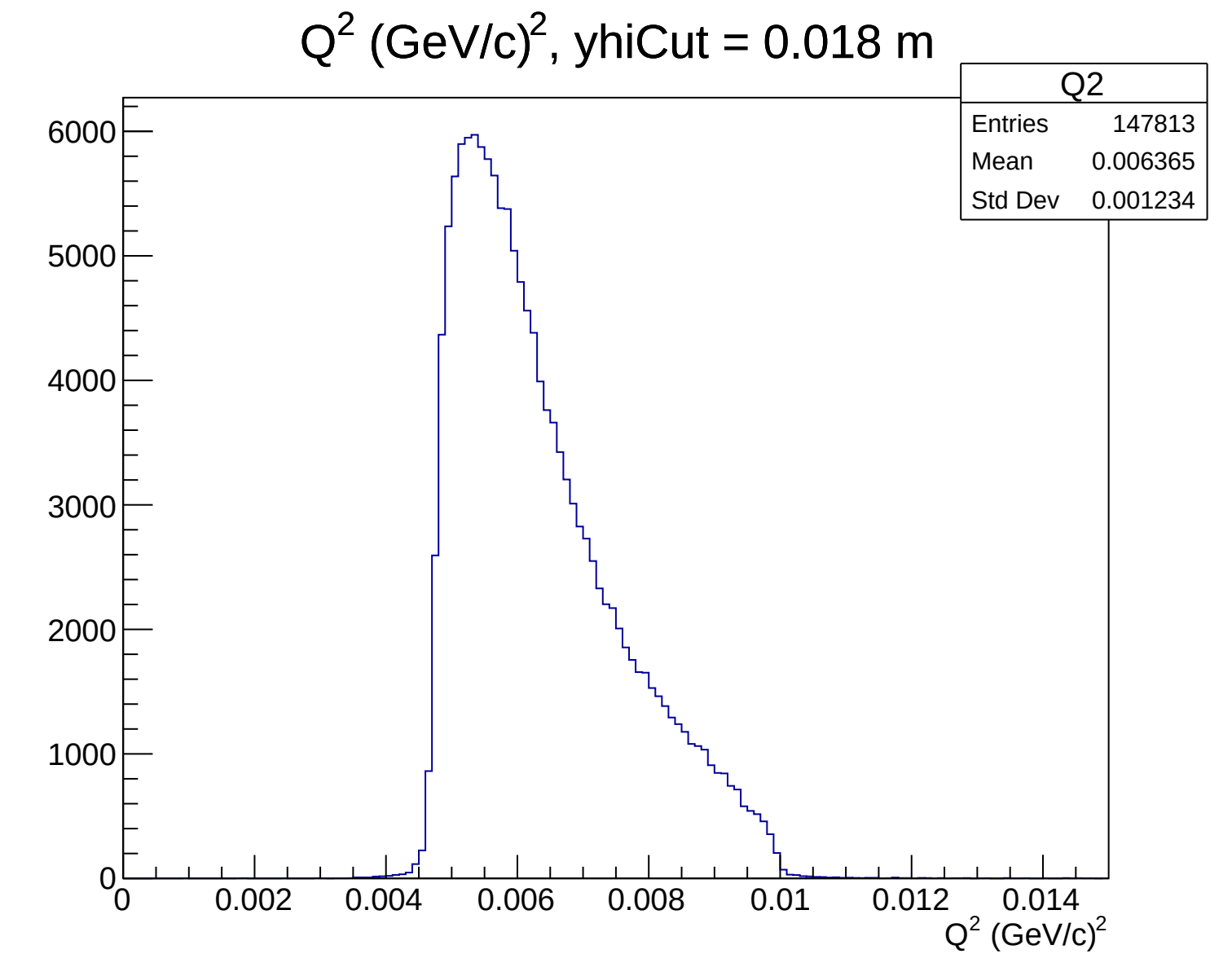

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

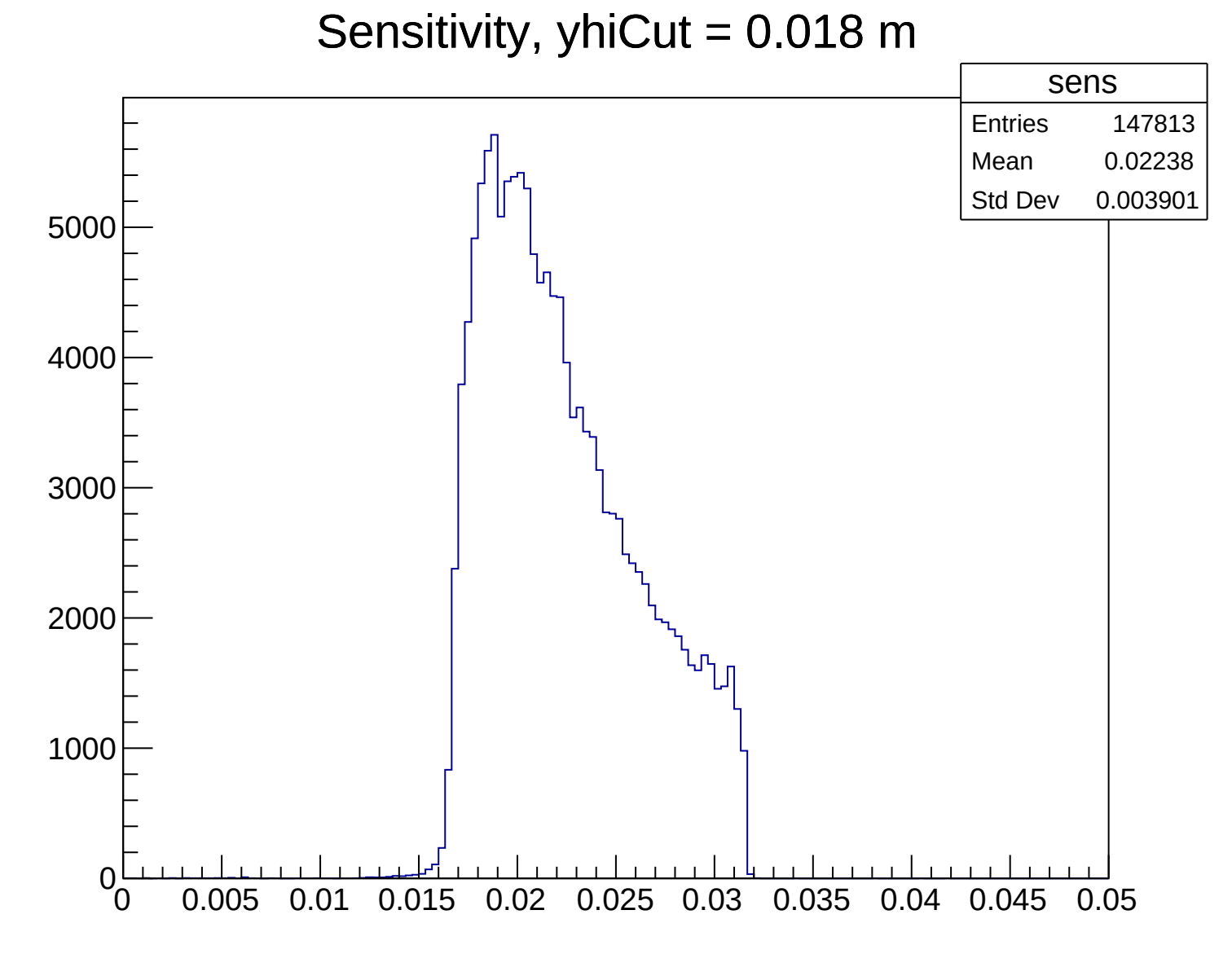

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

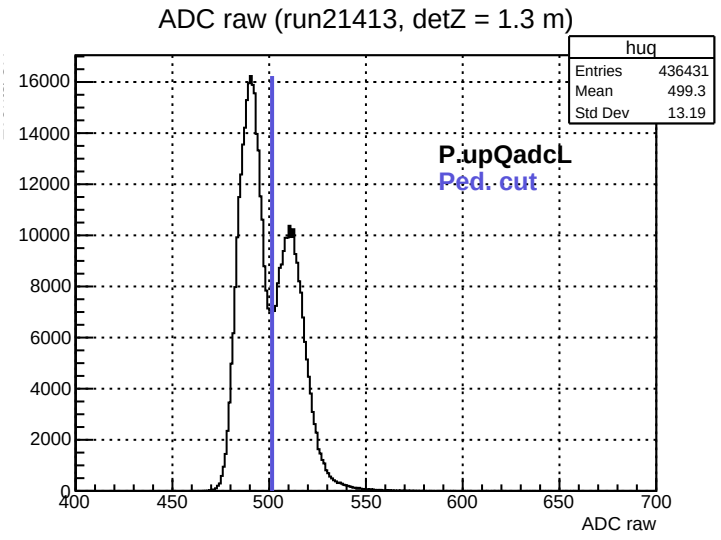

θlab (deg), yhiCut = 0.018 m
Theta
Entries 147813
Mean 4.799
Std Dev 0.4553
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

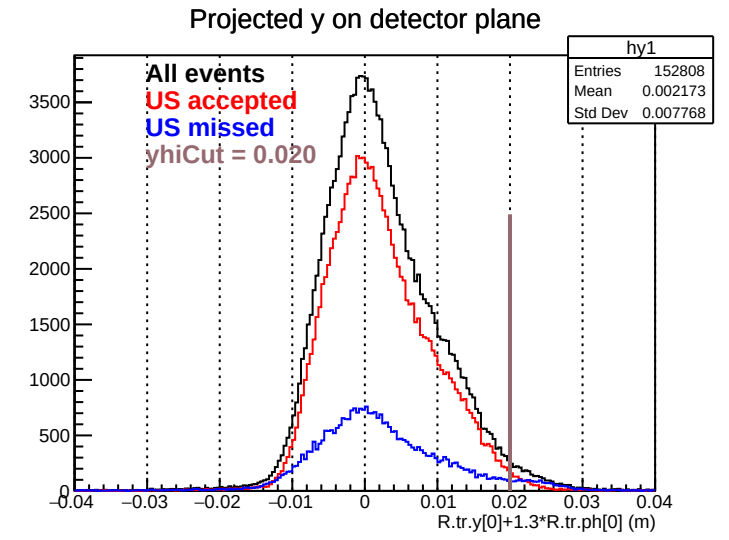

Asymmetry (ppm), yhiCut = 0.018 m
Asym
Entries 147813
Mean 0.573
Std Dev 0.08025
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

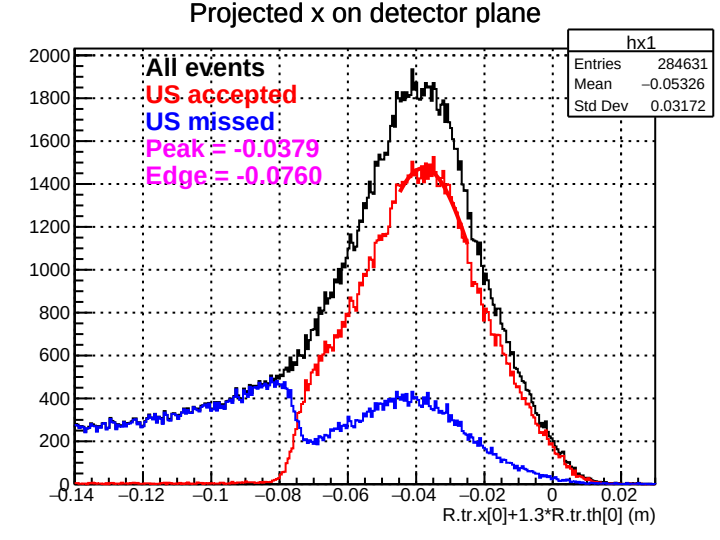

Stretched Asym. (ppm), yhiCut = 0.018 m
SAsym
Entries 147813
Mean 0.56
Std Dev 0.07648
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

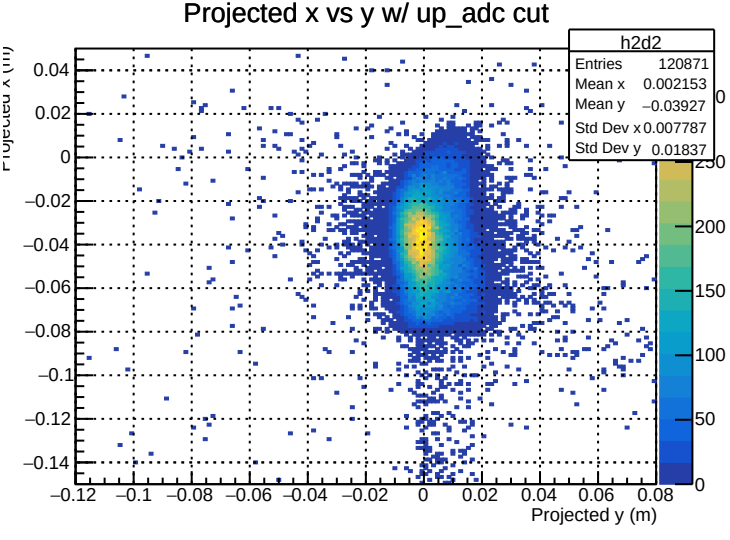

$Q^2$ (GeV/c)$^2$, yhiCut = 0.018 m
Q2
Entries 147813
Mean 0.006365
Std Dev 0.001234
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

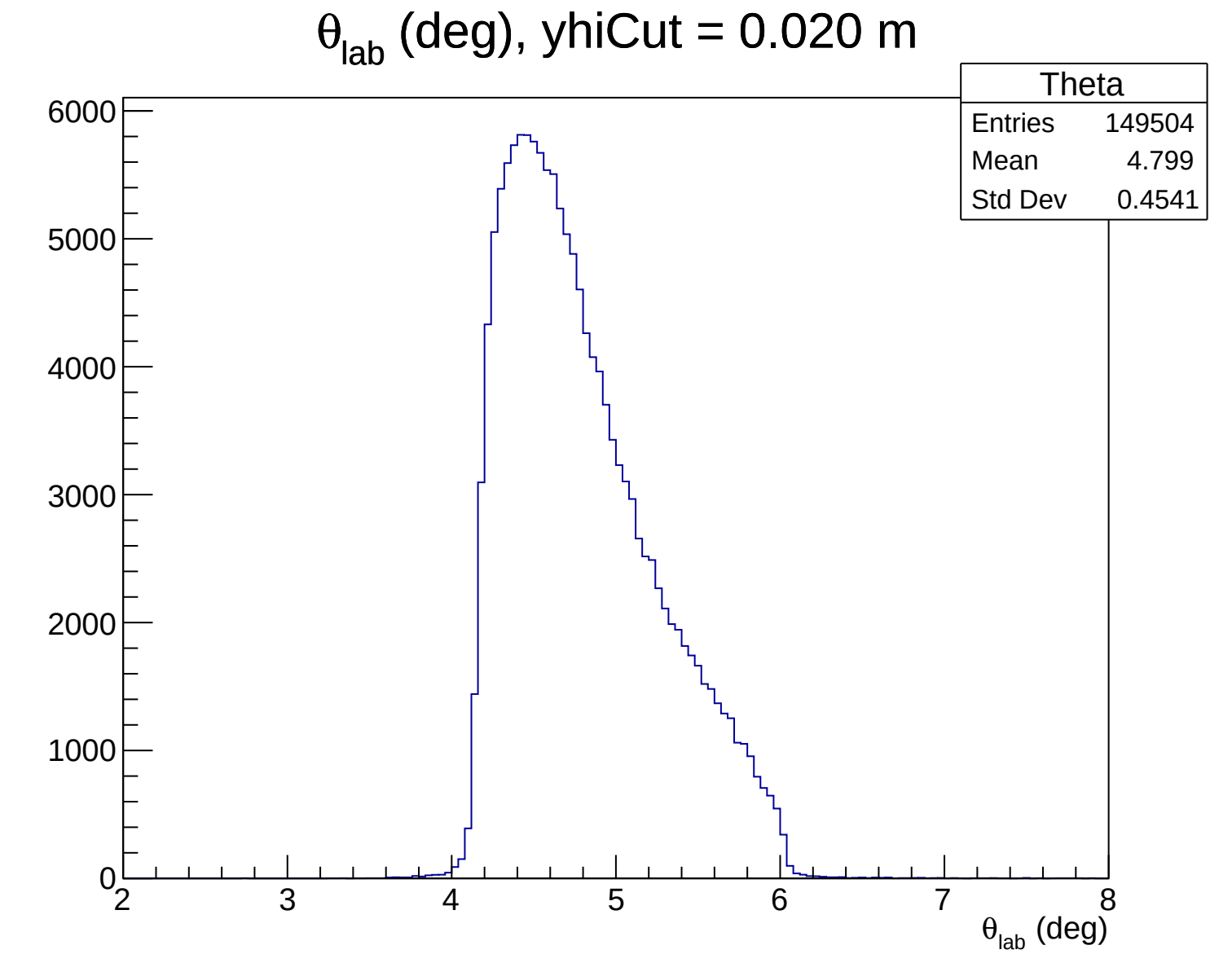

Sensitivity, yhiCut = 0.018 m
sens
Entries 147813
Mean 0.02238
Std Dev 0.003901
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

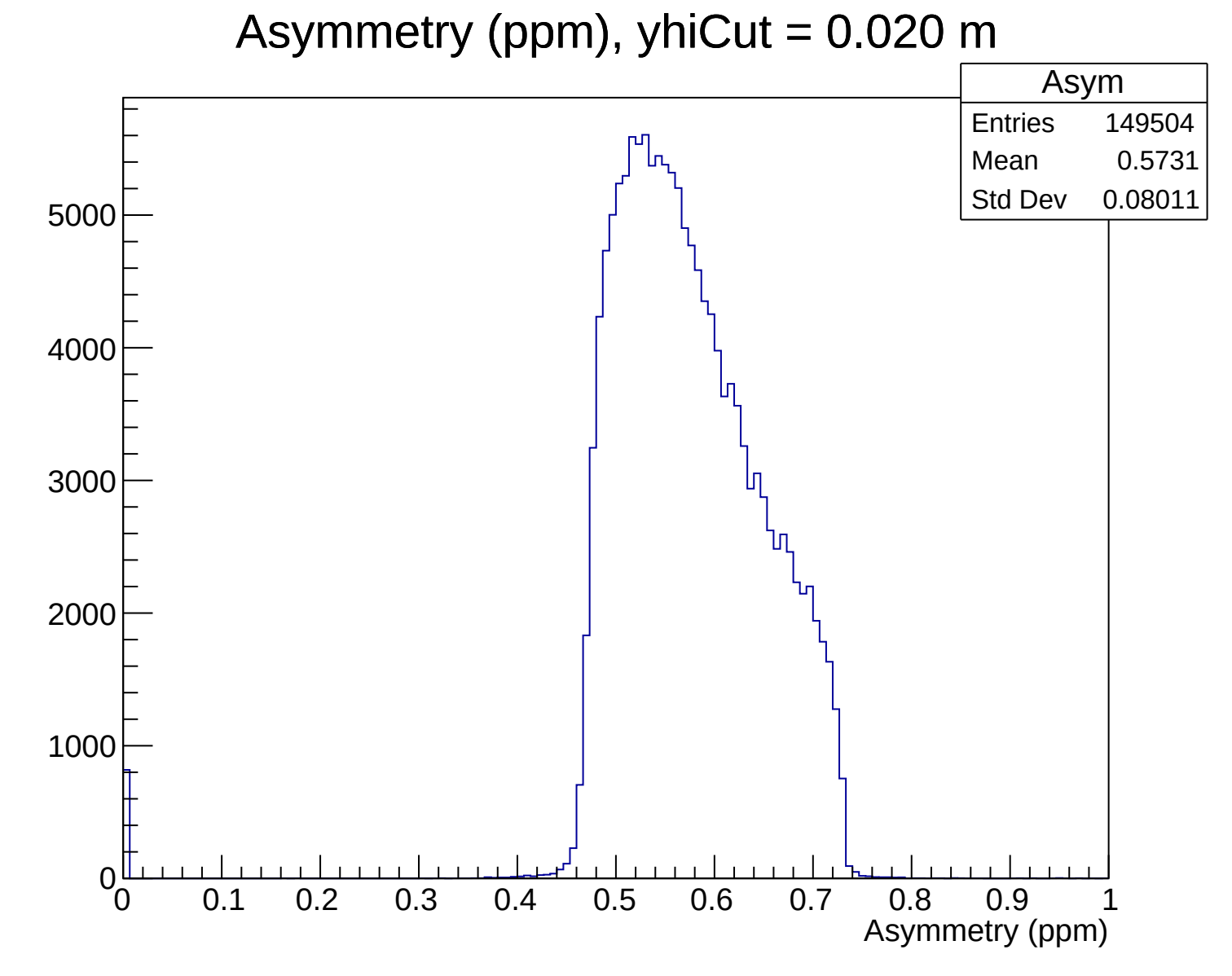

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

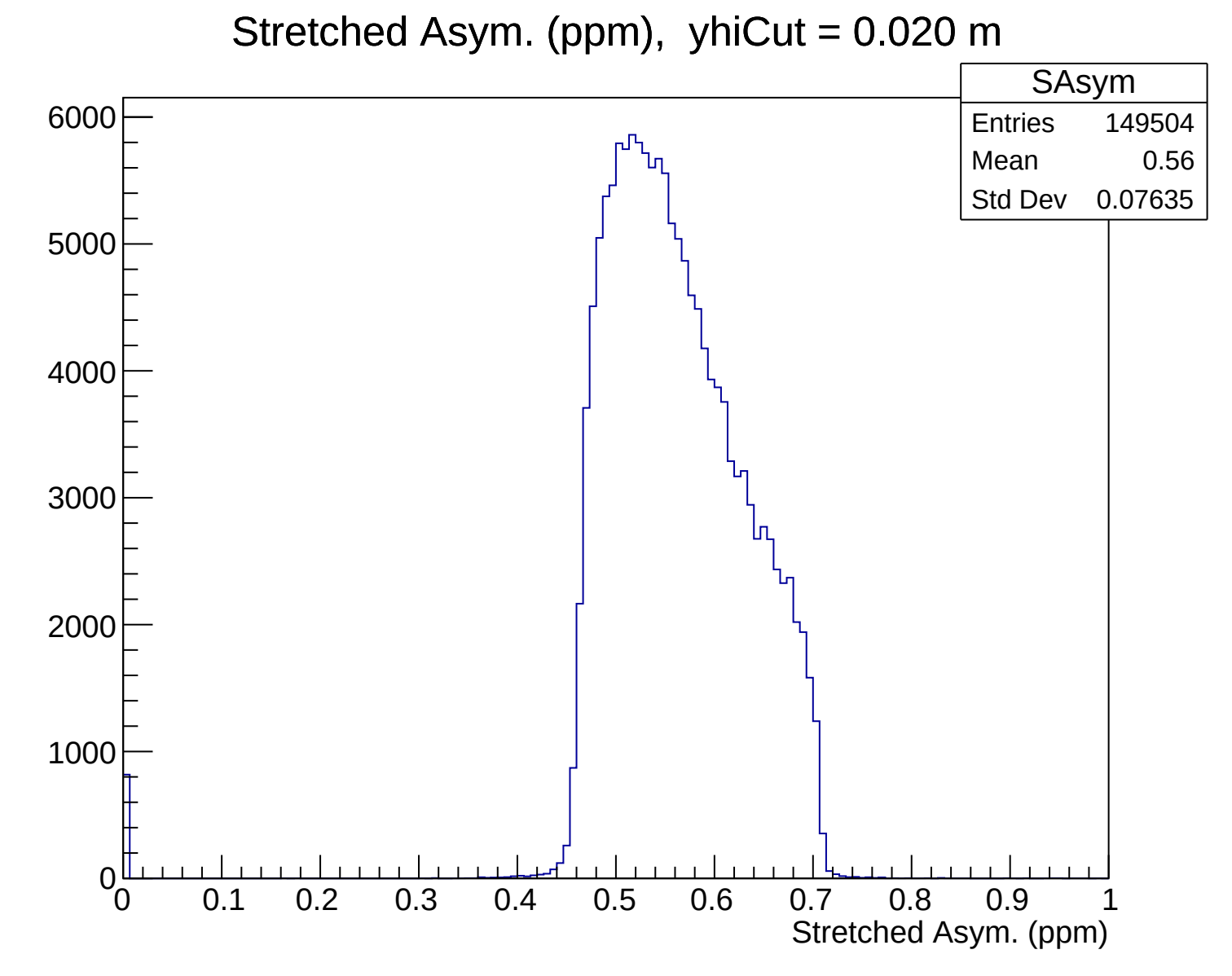

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.020
R.tr.y[0]+1.3*R.tr.ph[0] (m)

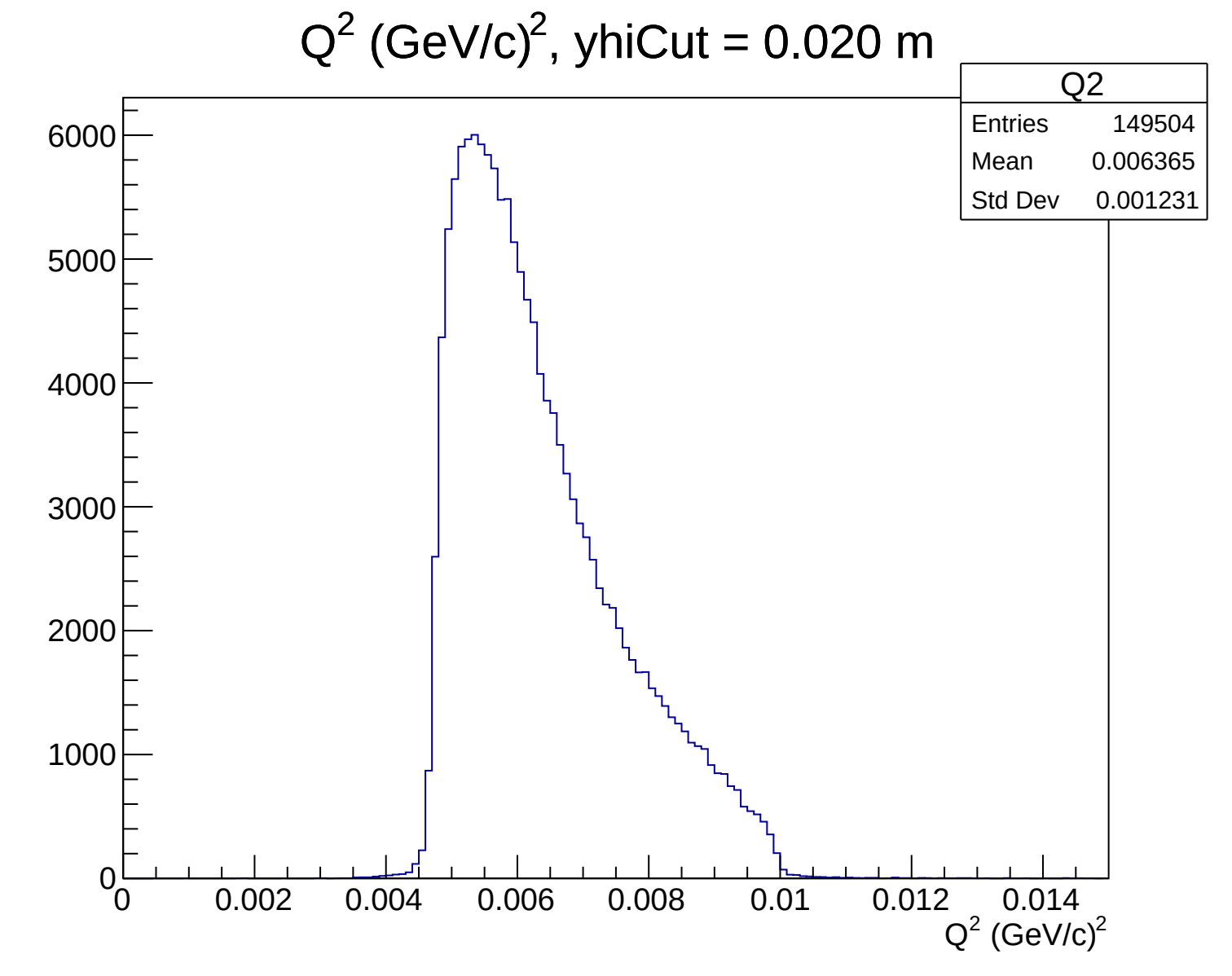

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

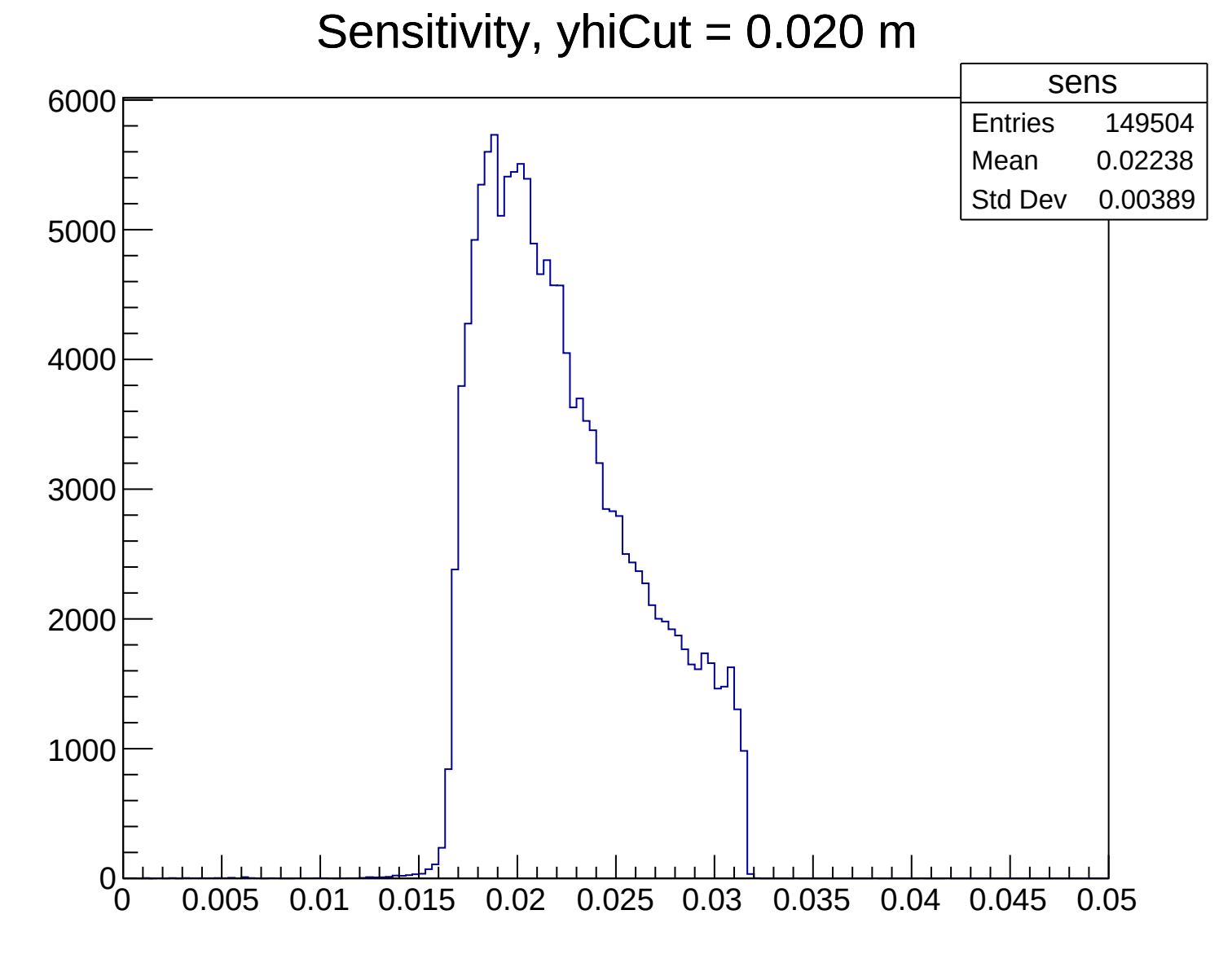

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

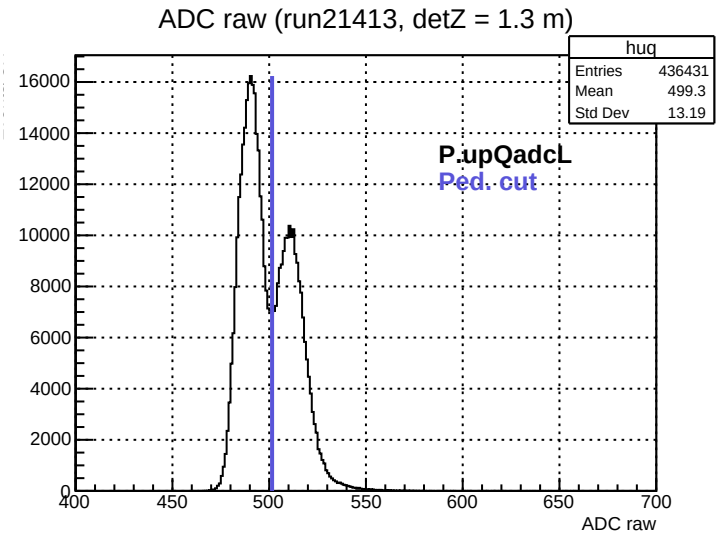

θlab (deg), yhiCut = 0.020 m
Theta
Entries 149504
Mean 4.799
Std Dev 0.4541
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

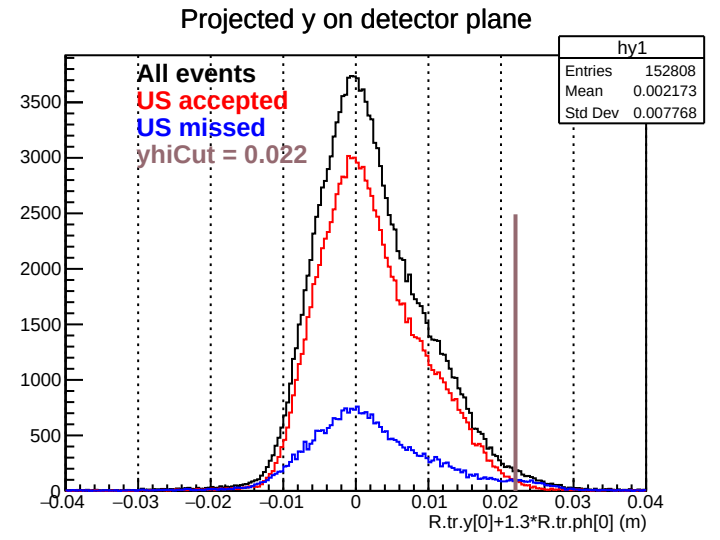

Asymmetry (ppm), yhiCut = 0.020 m
Asym
Entries 149504
Mean 0.5731
Std Dev 0.08011
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

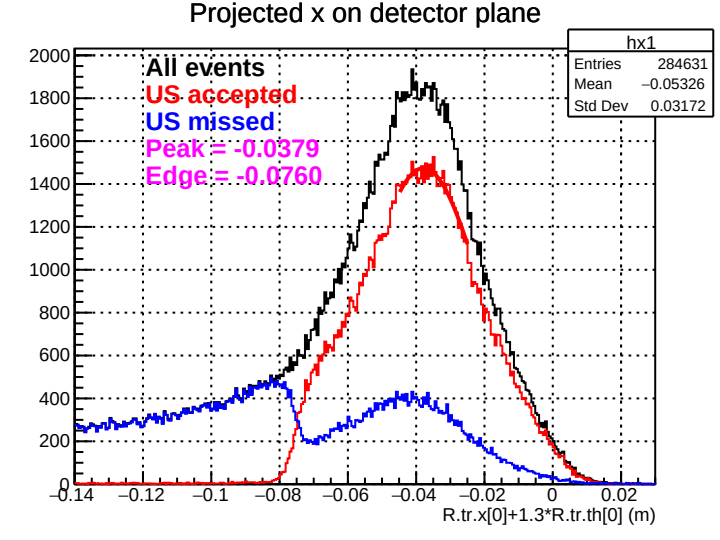

Stretched Asym. (ppm), yhiCut = 0.020 m
SAsym
Entries 149504
Mean 0.56
Std Dev 0.07635
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

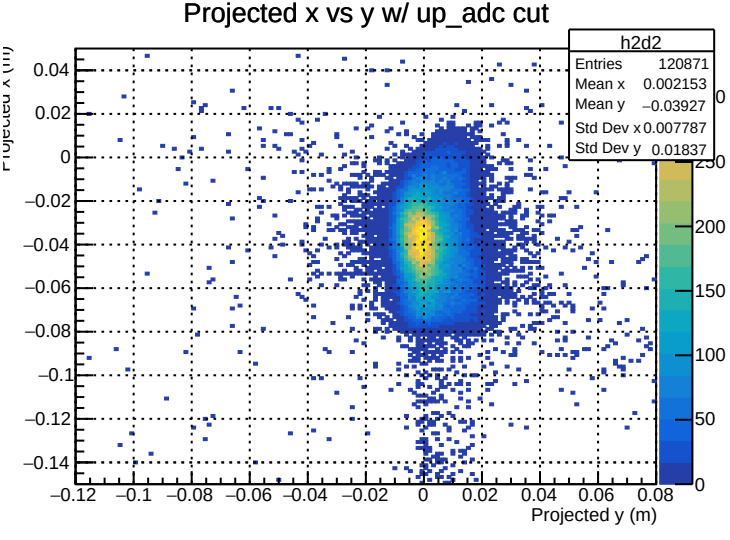

$Q^2$ (GeV/c)$^2$, yhiCut = 0.020 m
Q2
Entries 149504
Mean 0.006365
Std Dev 0.001231
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

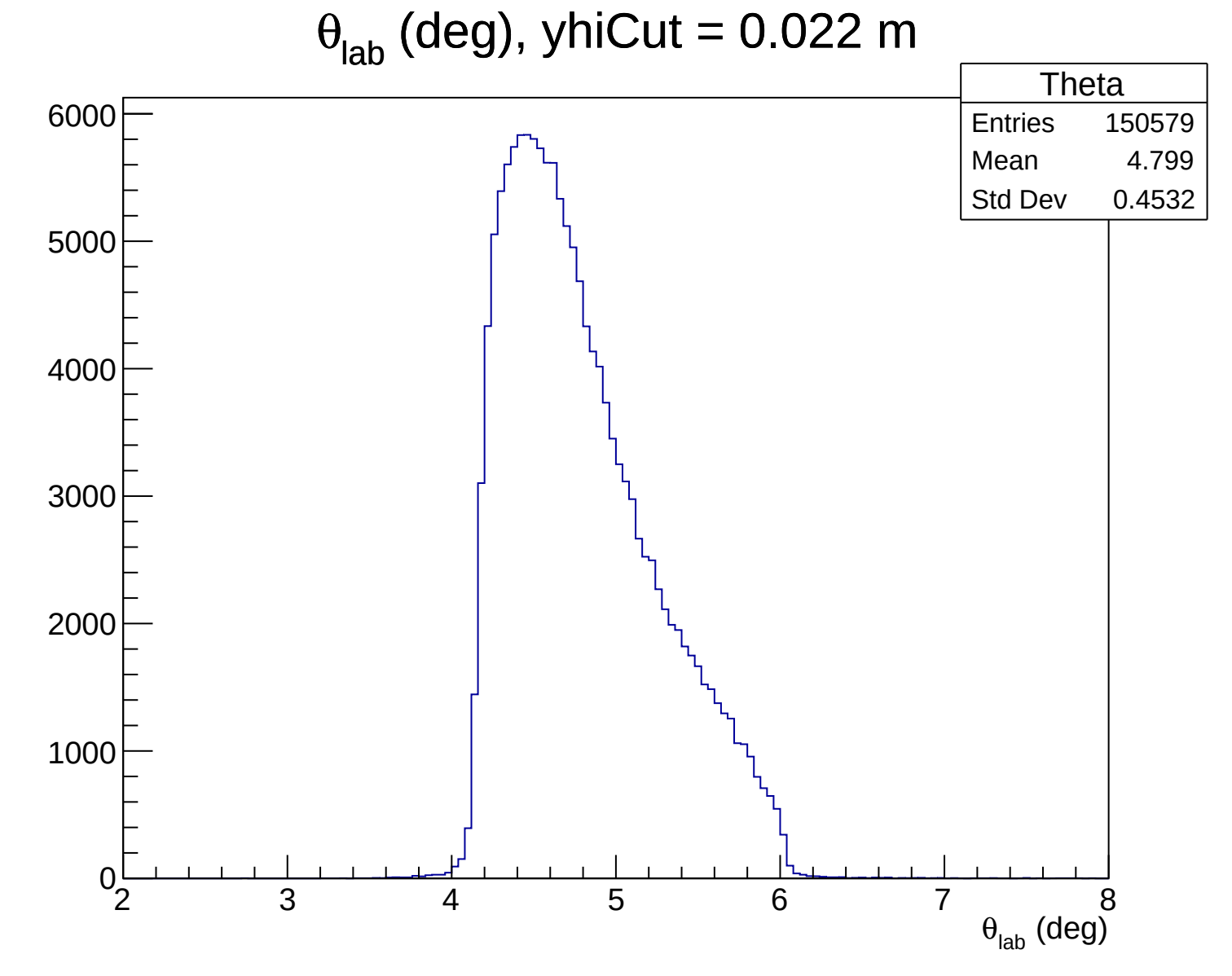

Sensitivity, yhiCut = 0.020 m
sens
Entries 149504
Mean 0.02238
Std Dev 0.00389
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

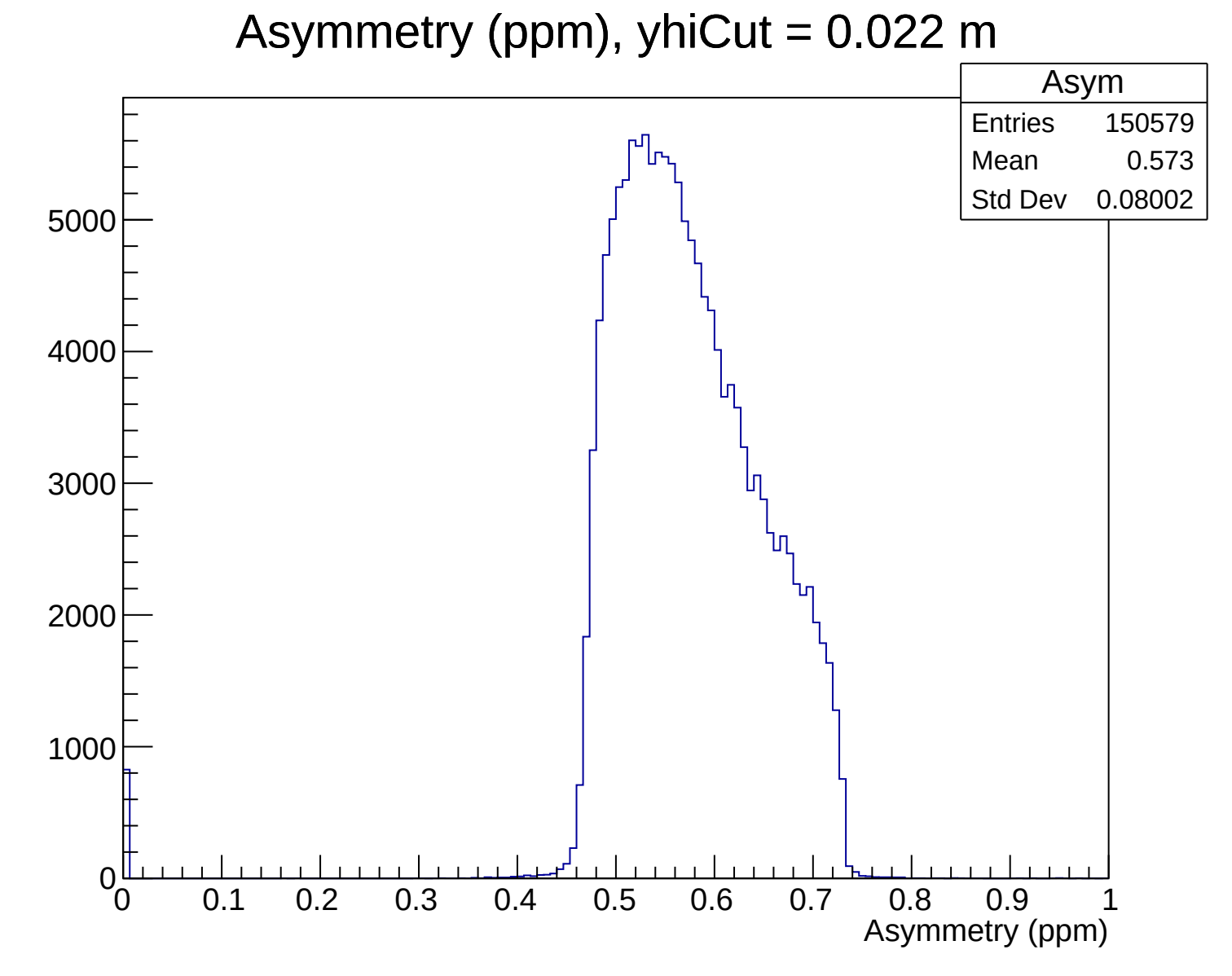

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

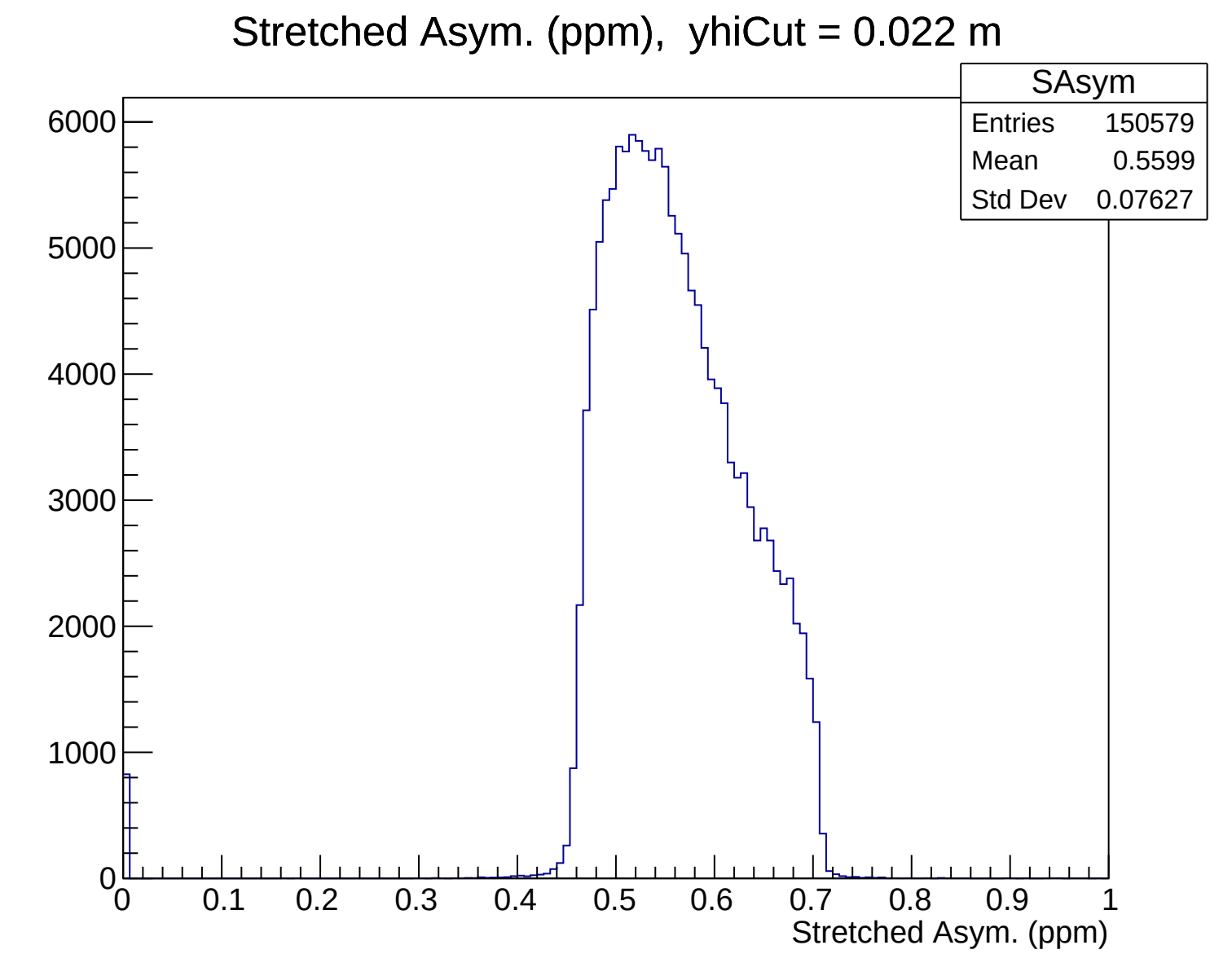

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.022
R.tr.y[0]+1.3*R.tr.ph[0] (m)

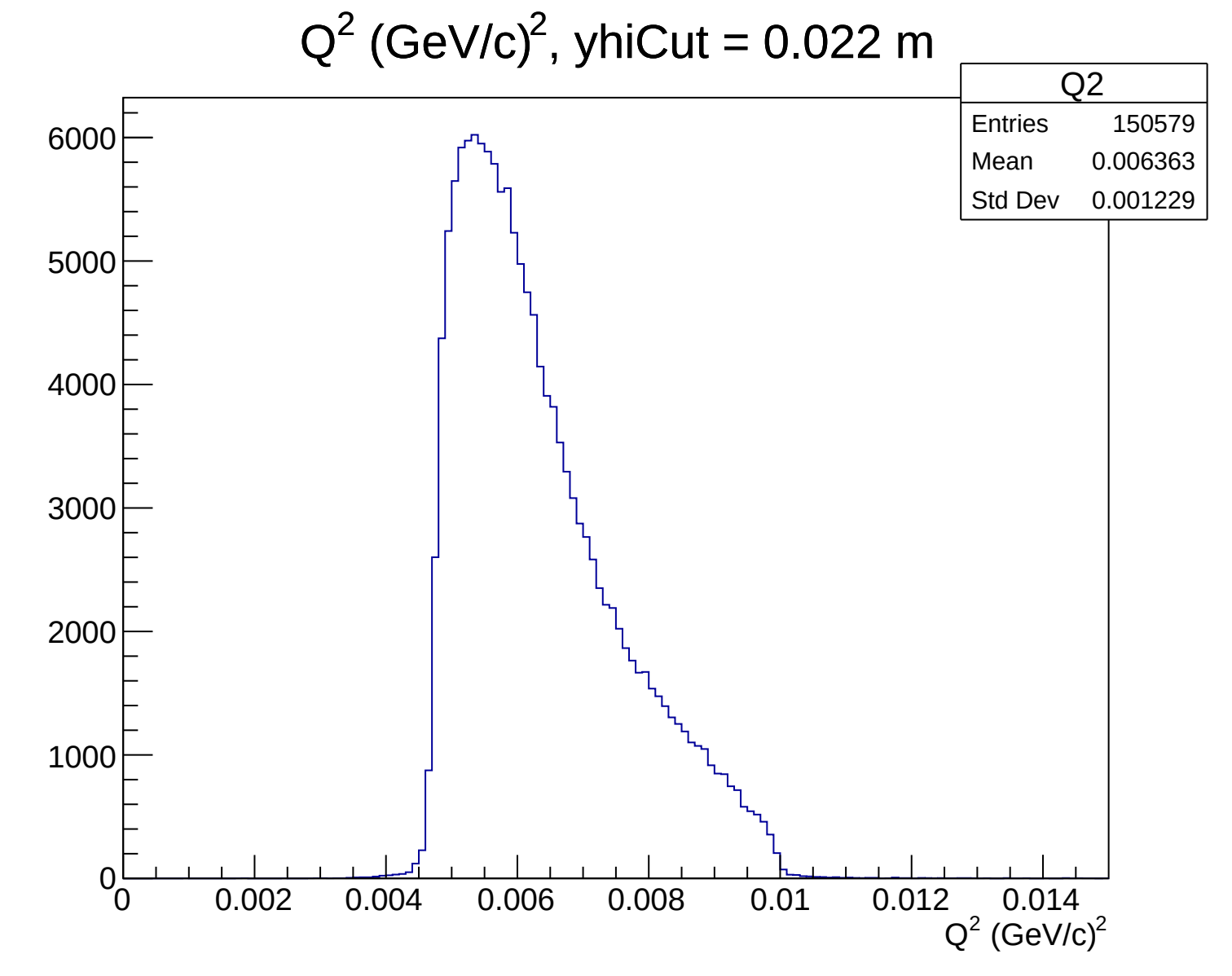

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

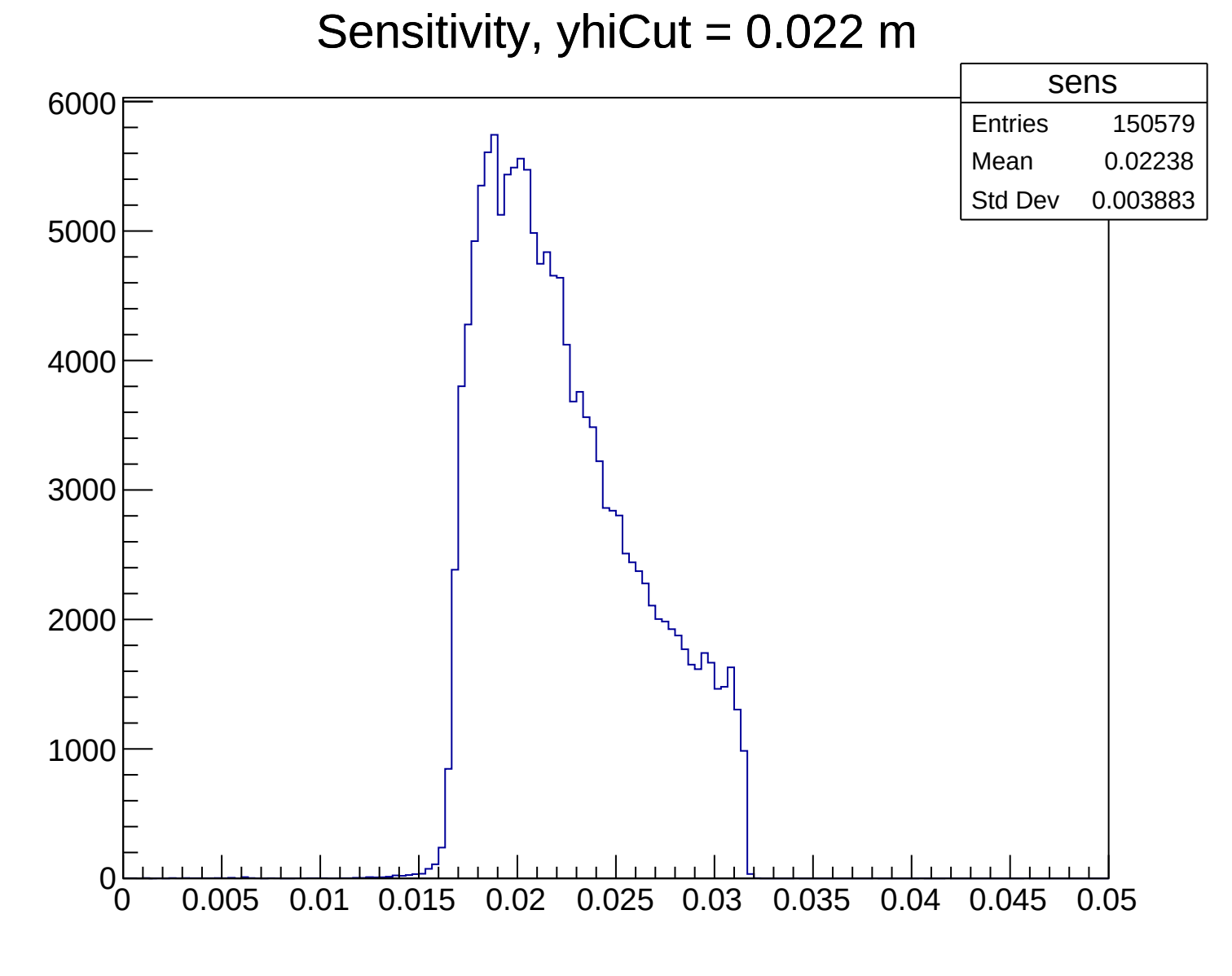

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

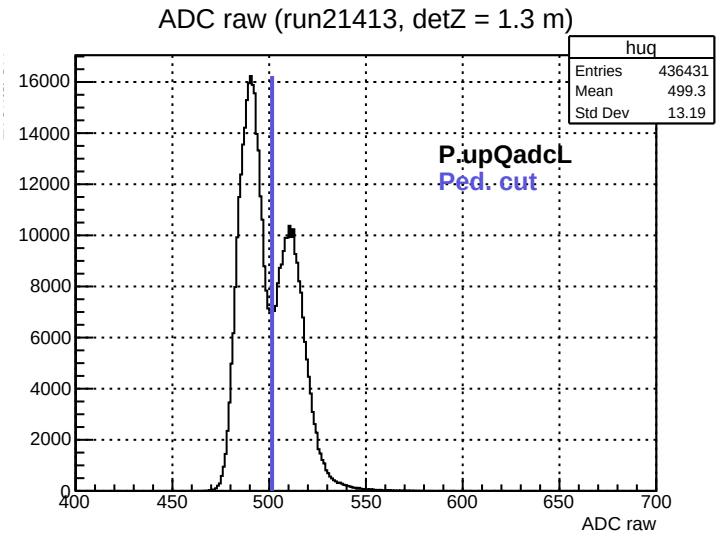

θlab (deg), yhiCut = 0.022 m
Theta
Entries 150579
Mean 4.799
Std Dev 0.4532
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

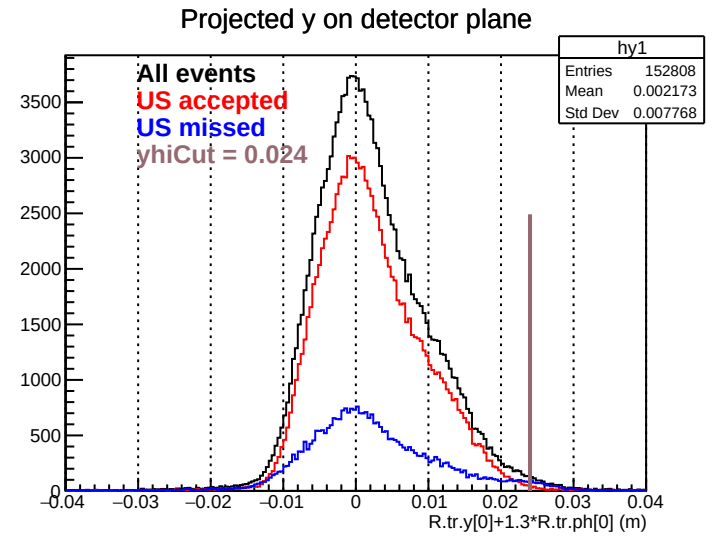

Asymmetry (ppm), yhiCut = 0.022 m
Asym
Entries 150579
Mean 0.573
Std Dev 0.08002
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

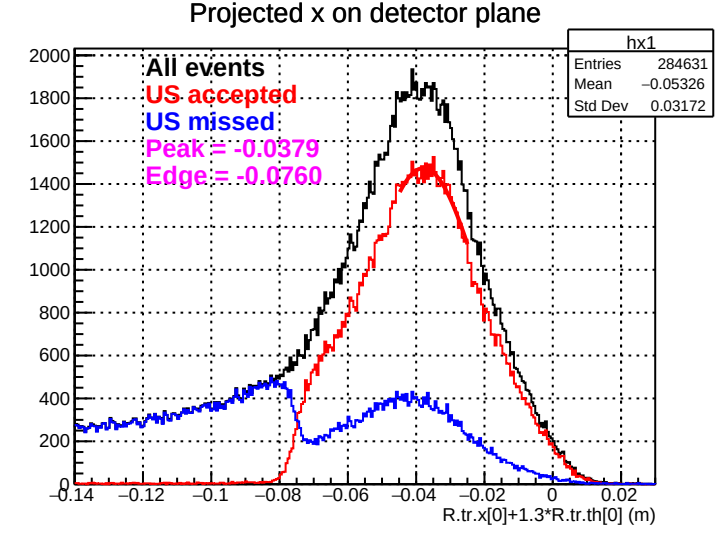

Stretched Asym. (ppm),  yhiCut = 0.022 m
SAsym
Entries 150579
Mean 0.5599
Std Dev 0.07627
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

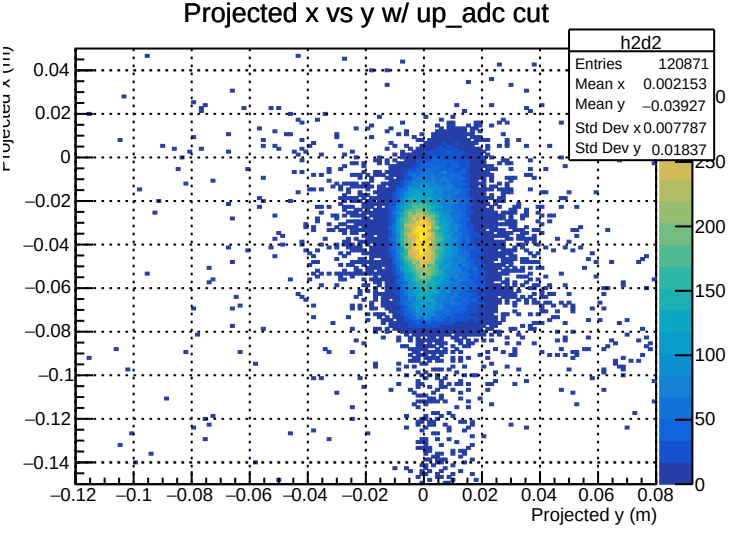

$Q^2$ (GeV/c)$^2$, yhiCut = 0.022 m
Q2
Entries 150579
Mean 0.006363
Std Dev 0.001229
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

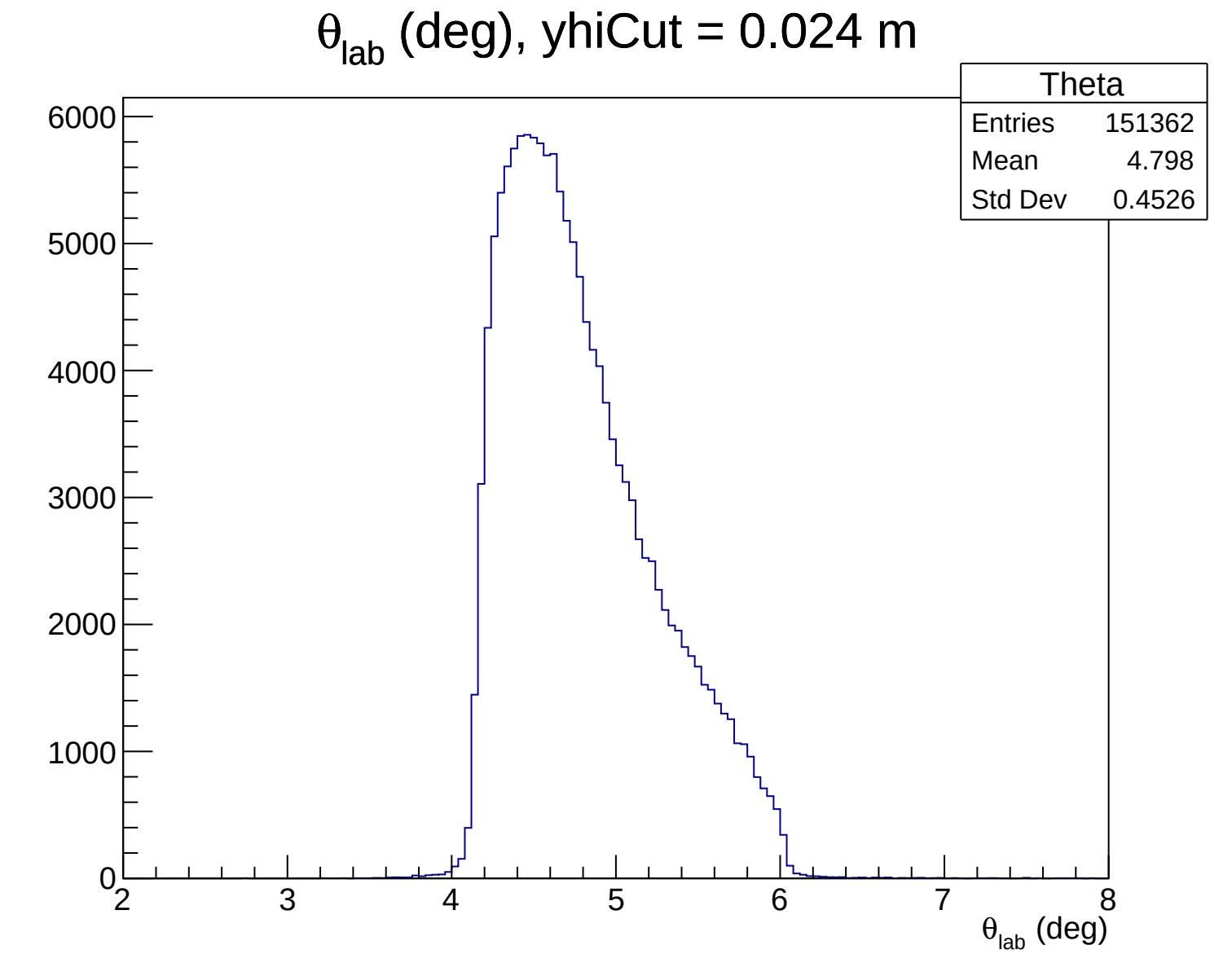

Sensitivity, yhiCut = 0.022 m
sens
Entries 150579
Mean 0.02238
Std Dev 0.003883
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

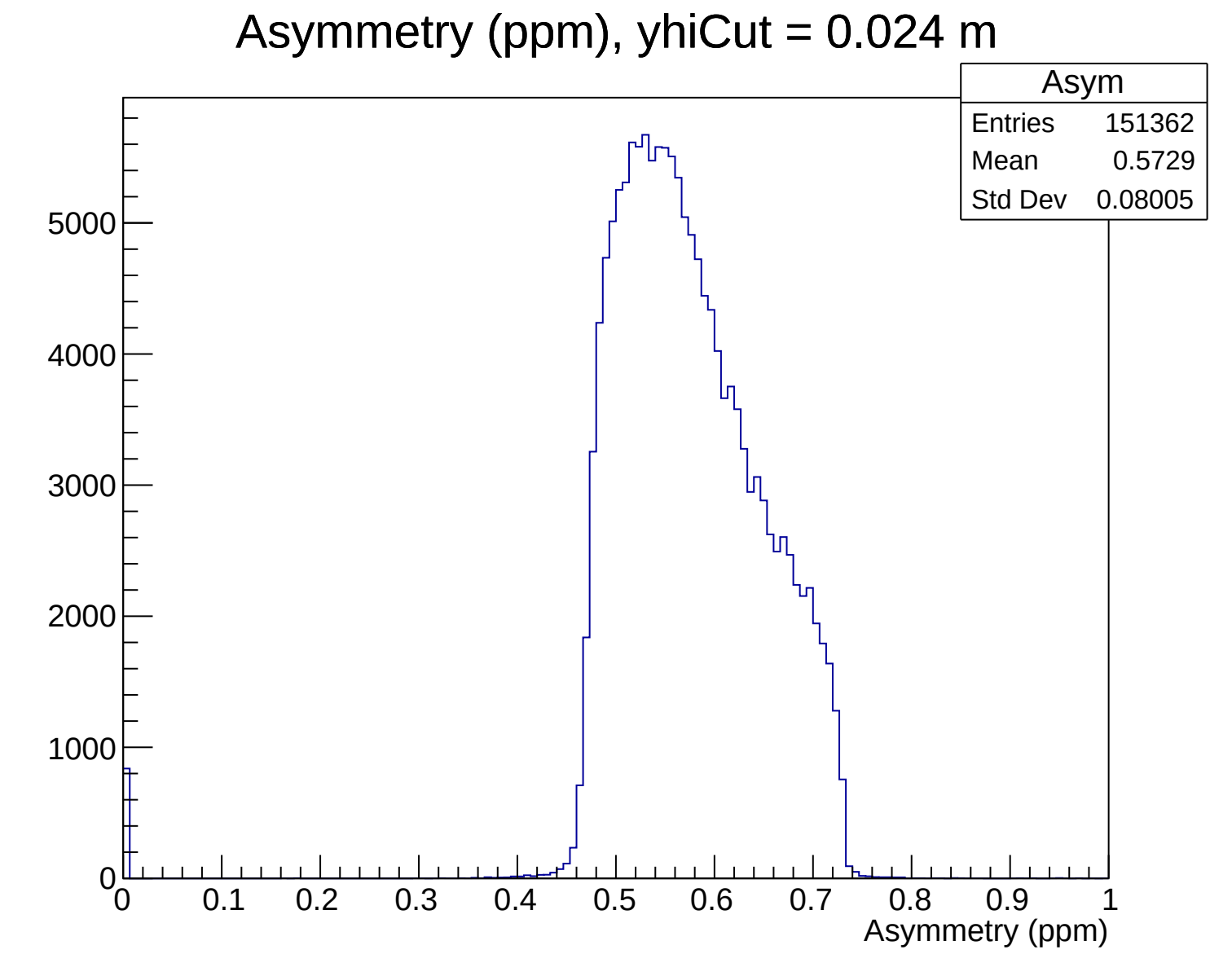

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

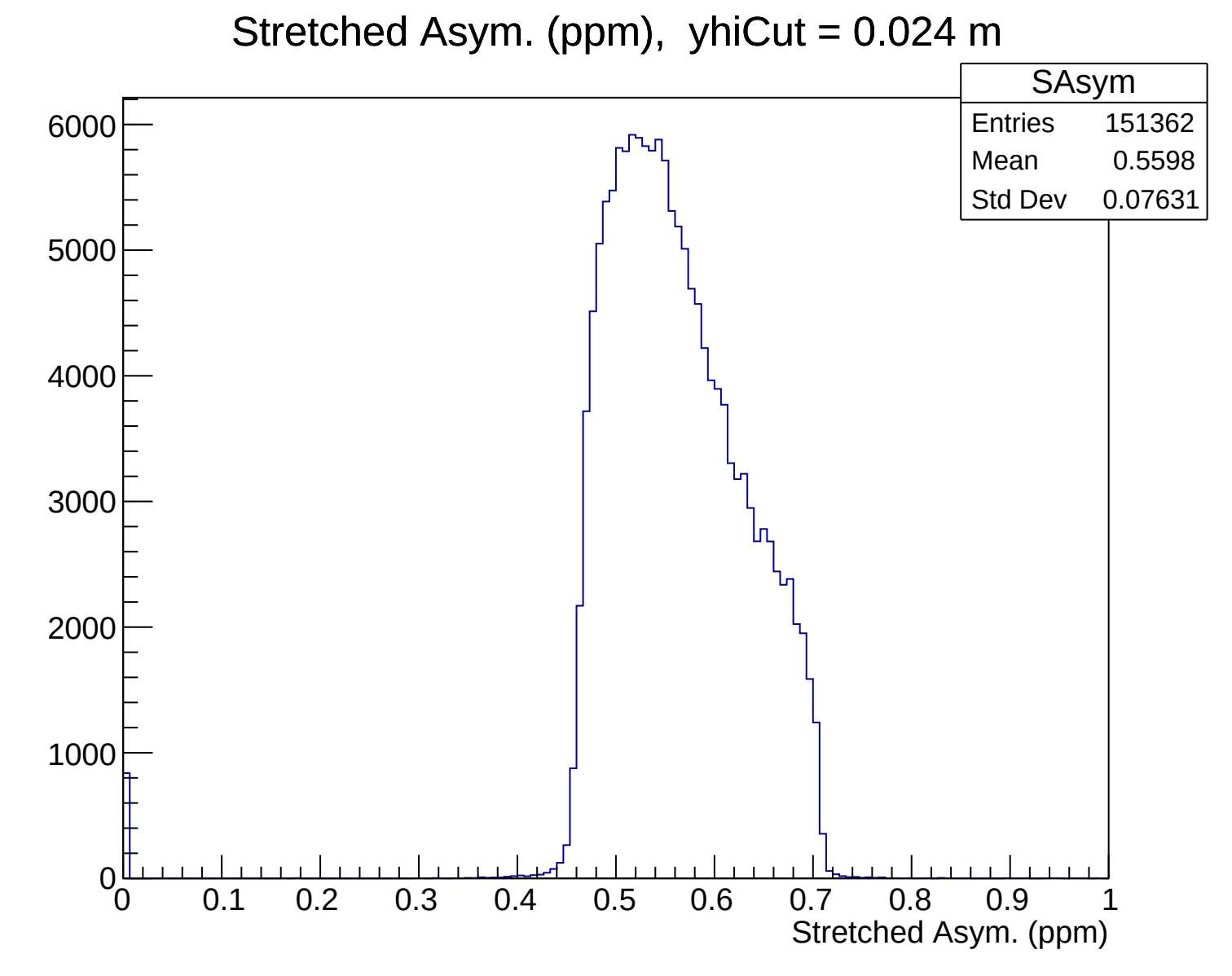

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.024
R.tr.y[0]+1.3*R.tr.ph[0] (m)

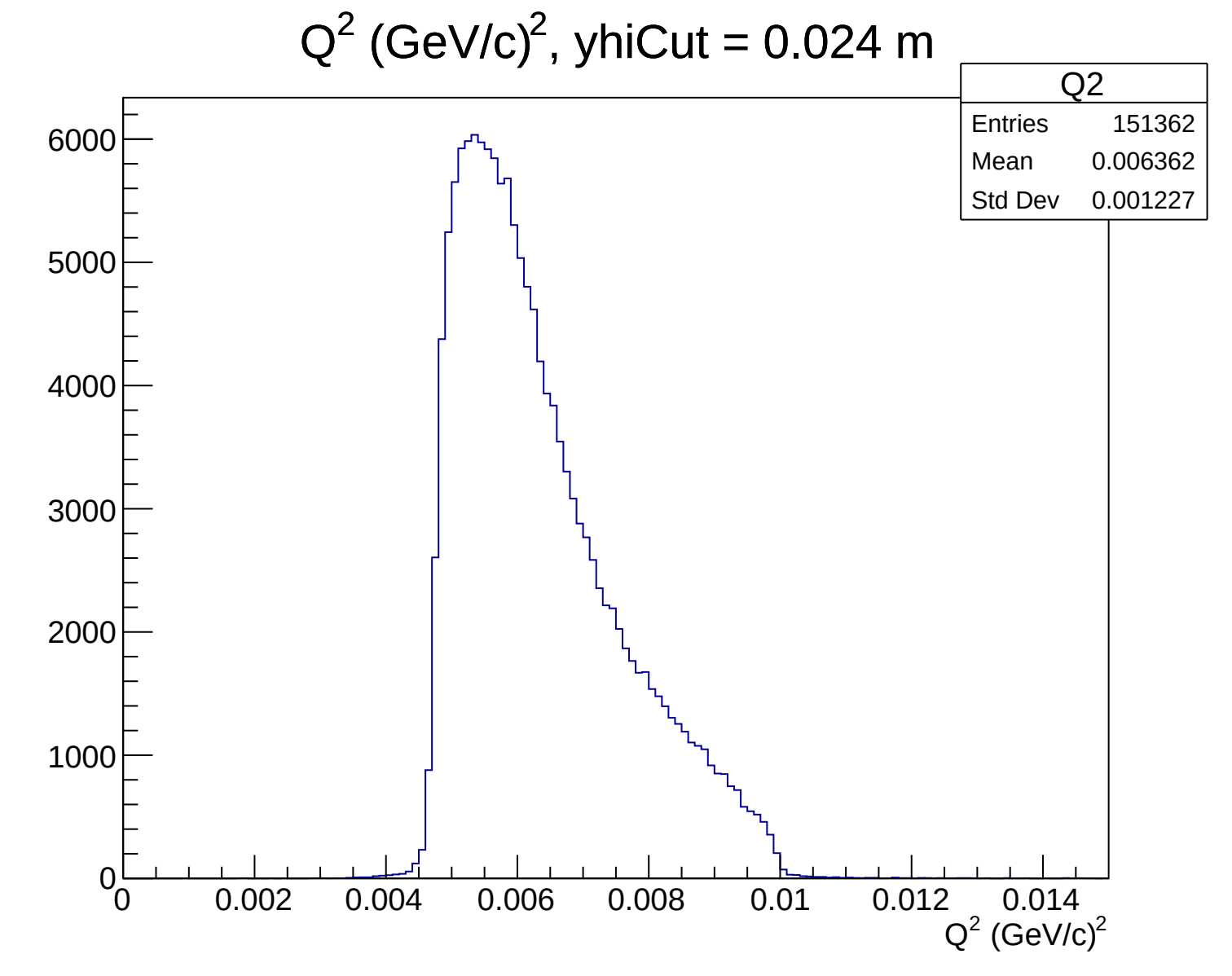

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

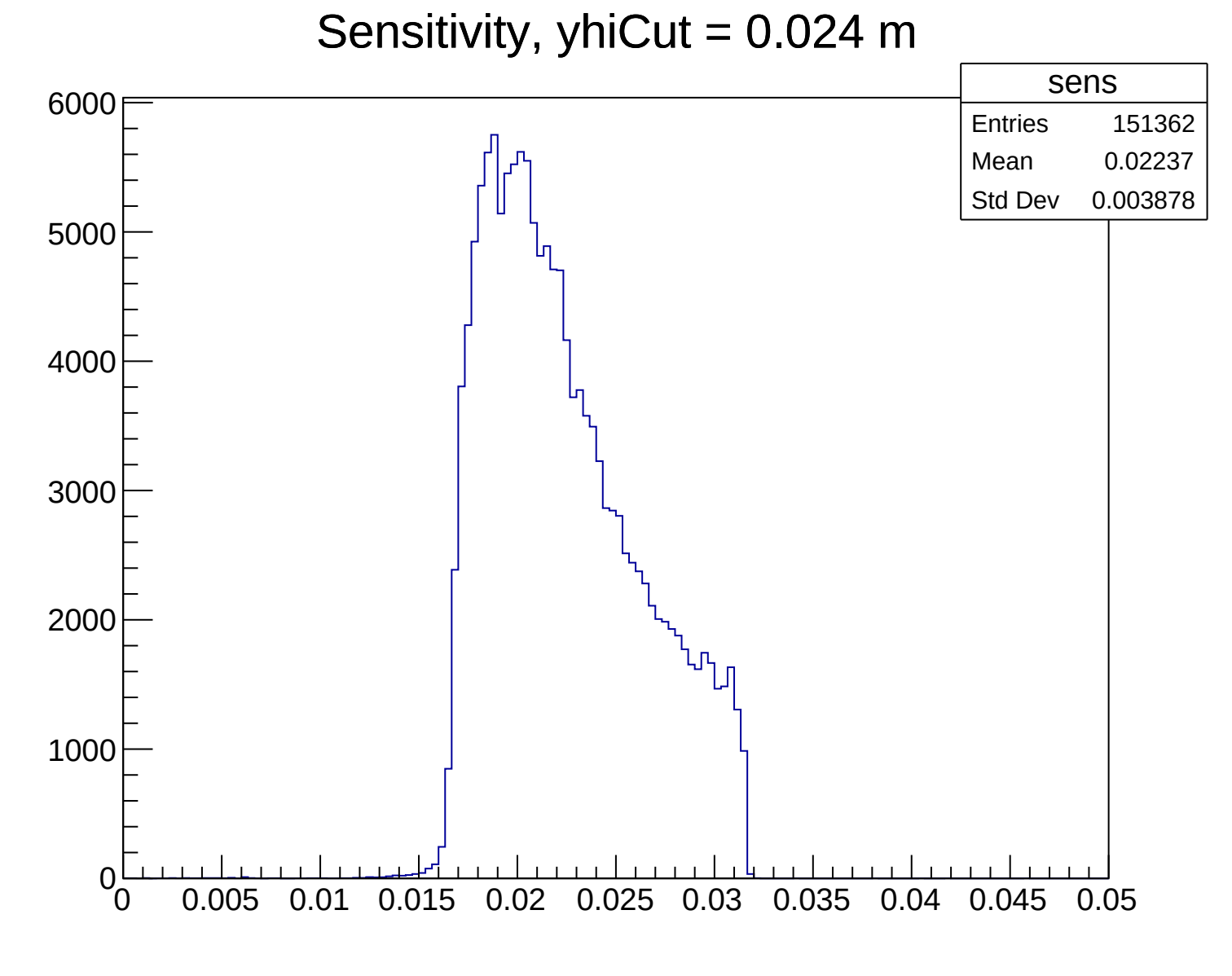

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

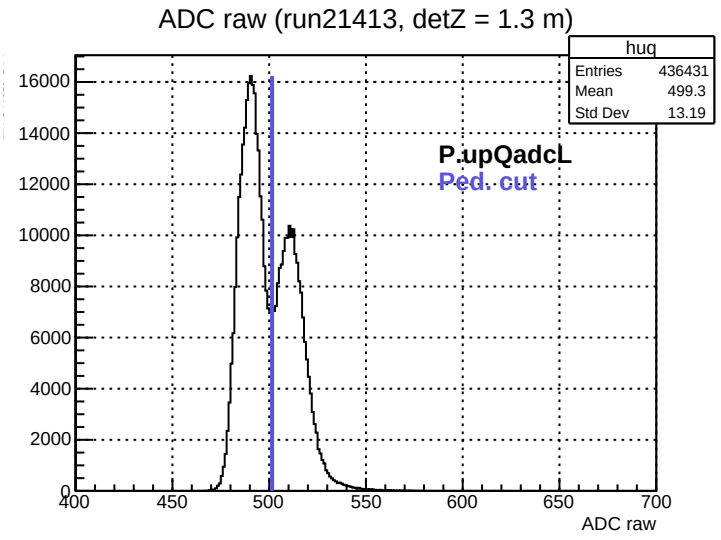

θlab (deg), yhiCut = 0.024 m
Theta
Entries 151362
Mean 4.798
Std Dev 0.4526
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

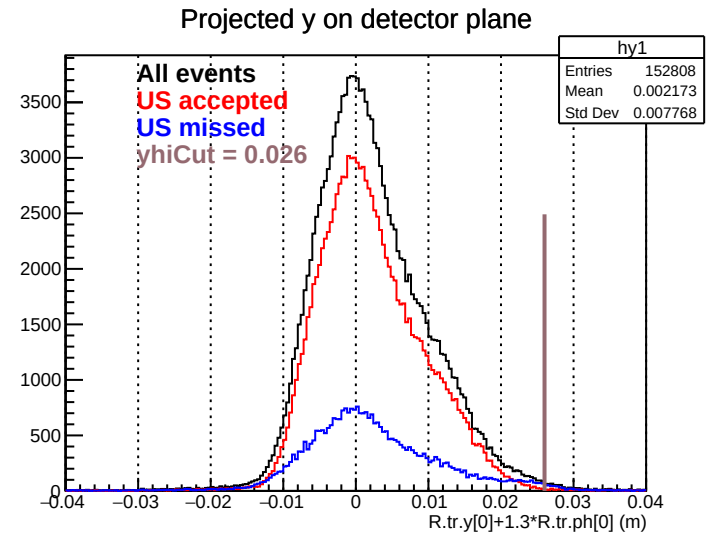

Asymmetry (ppm), yhiCut = 0.024 m
Asym
Entries 151362
Mean 0.5729
Std Dev 0.08005
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

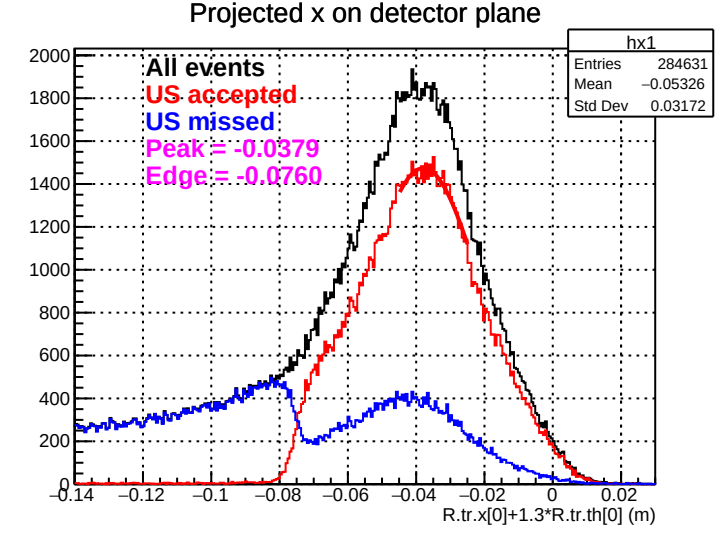

Stretched Asym. (ppm),  yhiCut = 0.024 m
SAsym
Entries 151362
Mean 0.5598
Std Dev 0.07631
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

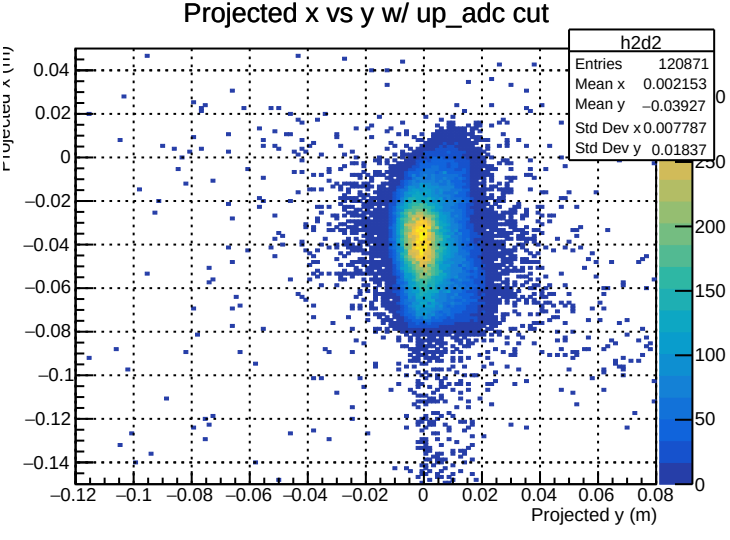

$Q^2$ (GeV/c)$^2$, yhiCut = 0.024 m
Q2
Entries 151362
Mean 0.006362
Std Dev 0.001227
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

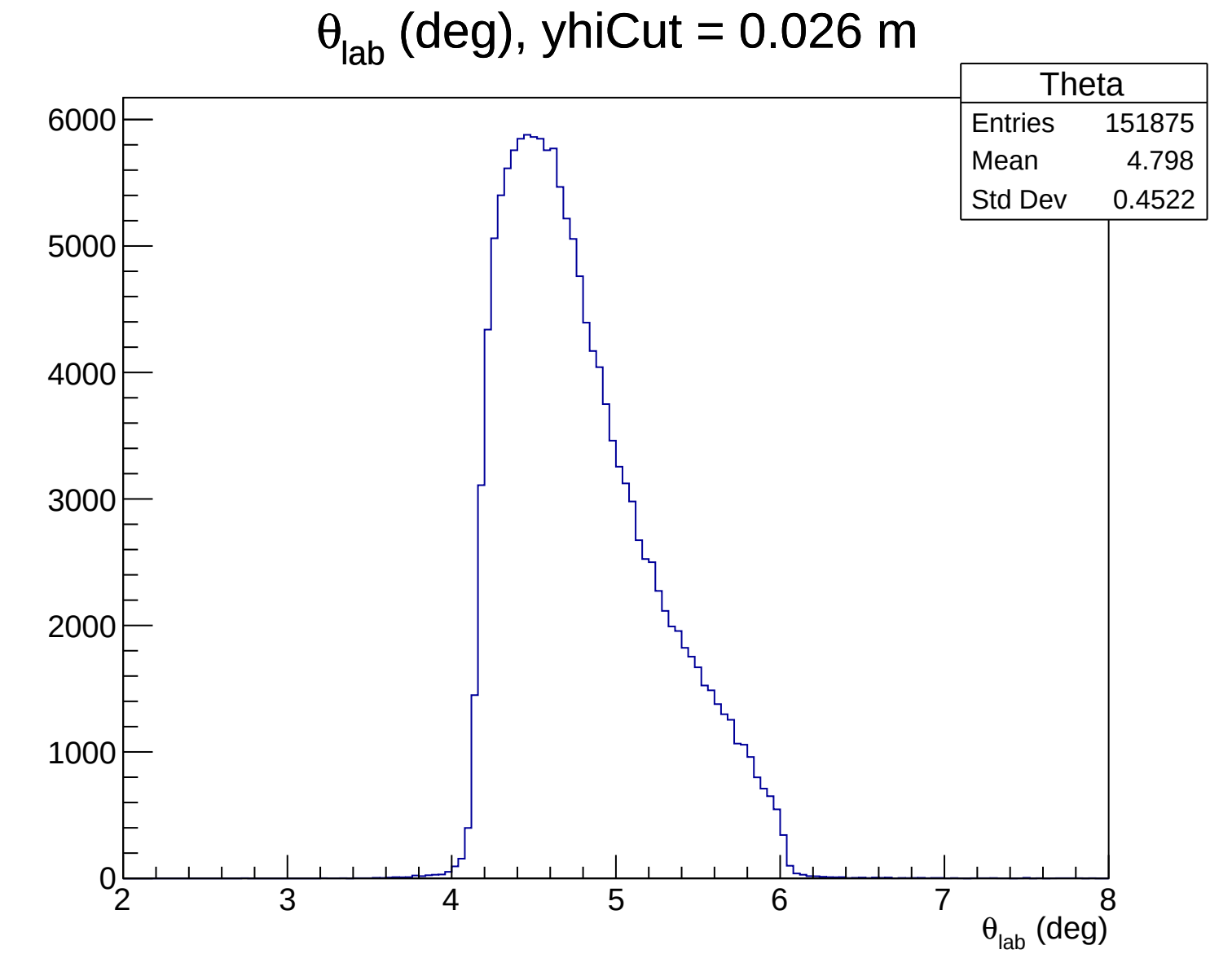

Sensitivity, yhiCut = 0.024 m
sens
Entries 151362
Mean 0.02237
Std Dev 0.003878
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

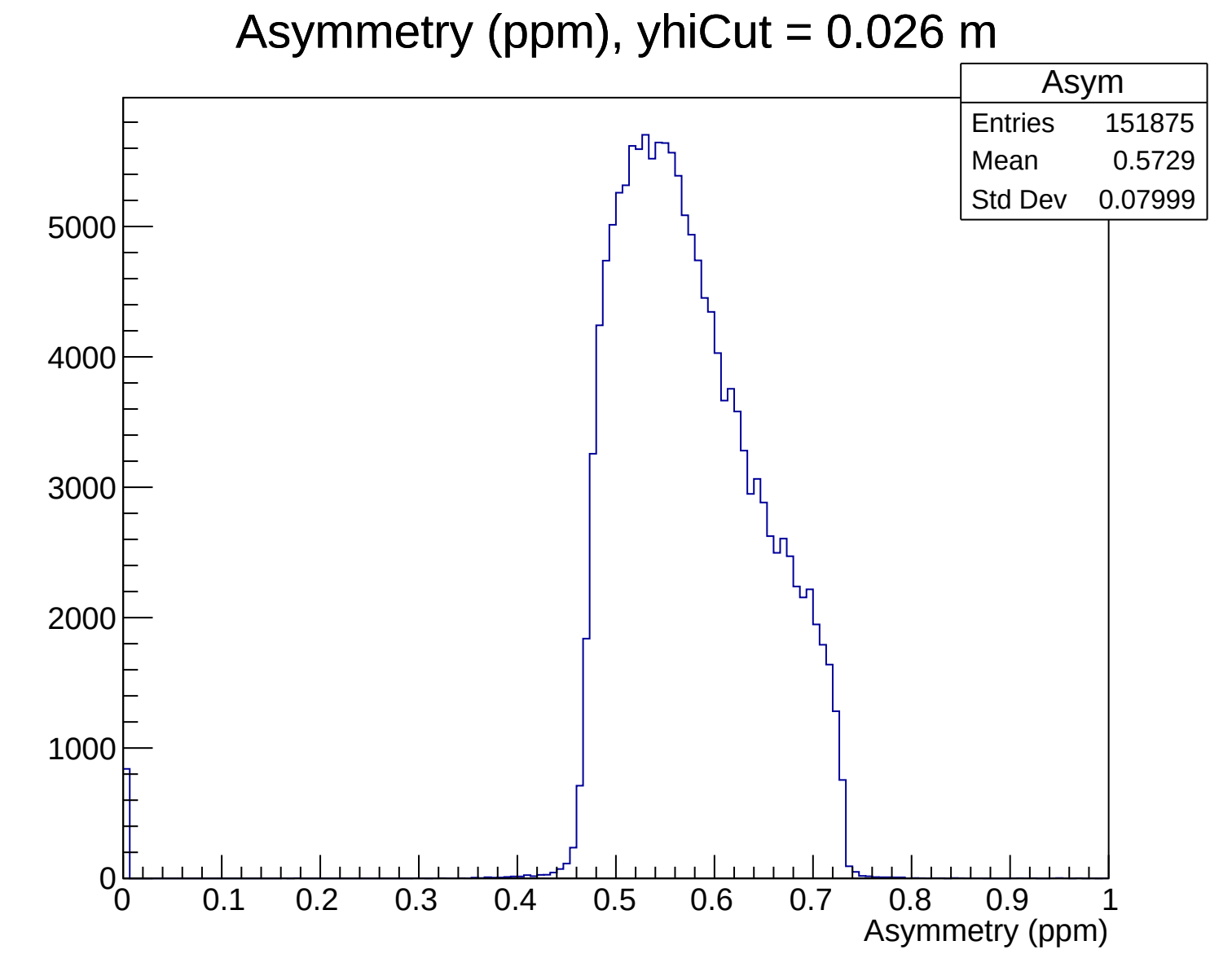

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

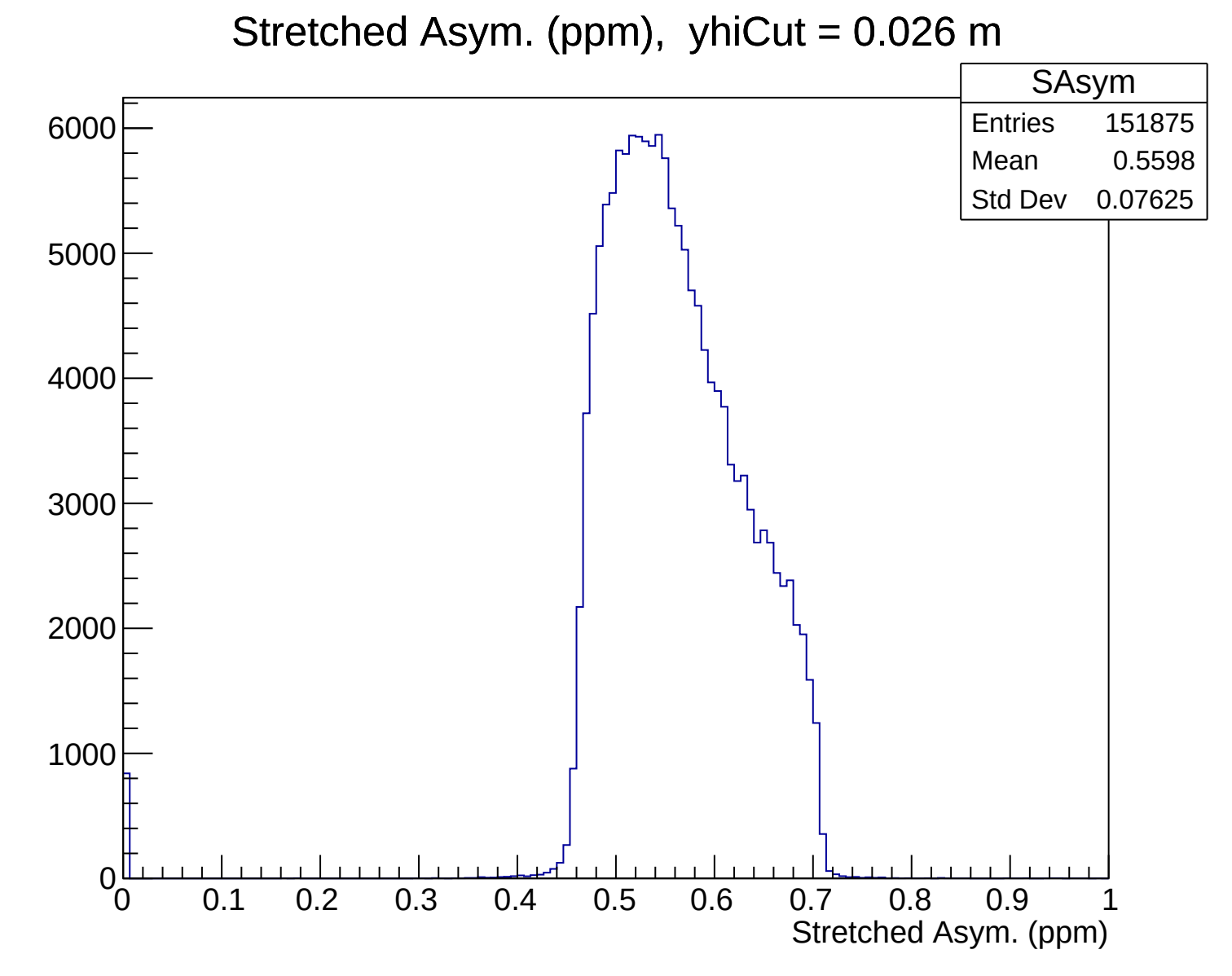

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.026
R.tr.y[0]+1.3*R.tr.ph[0] (m)

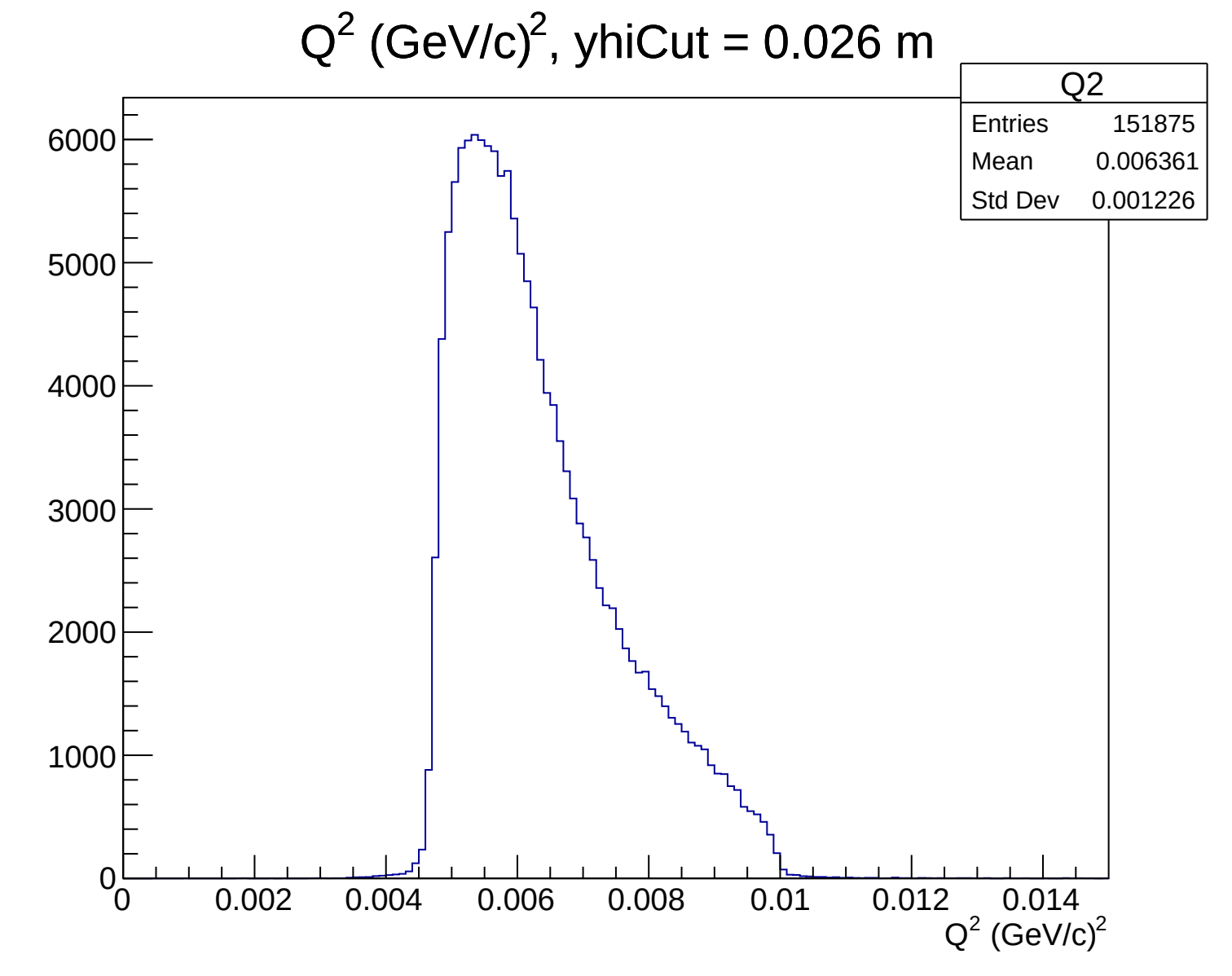

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

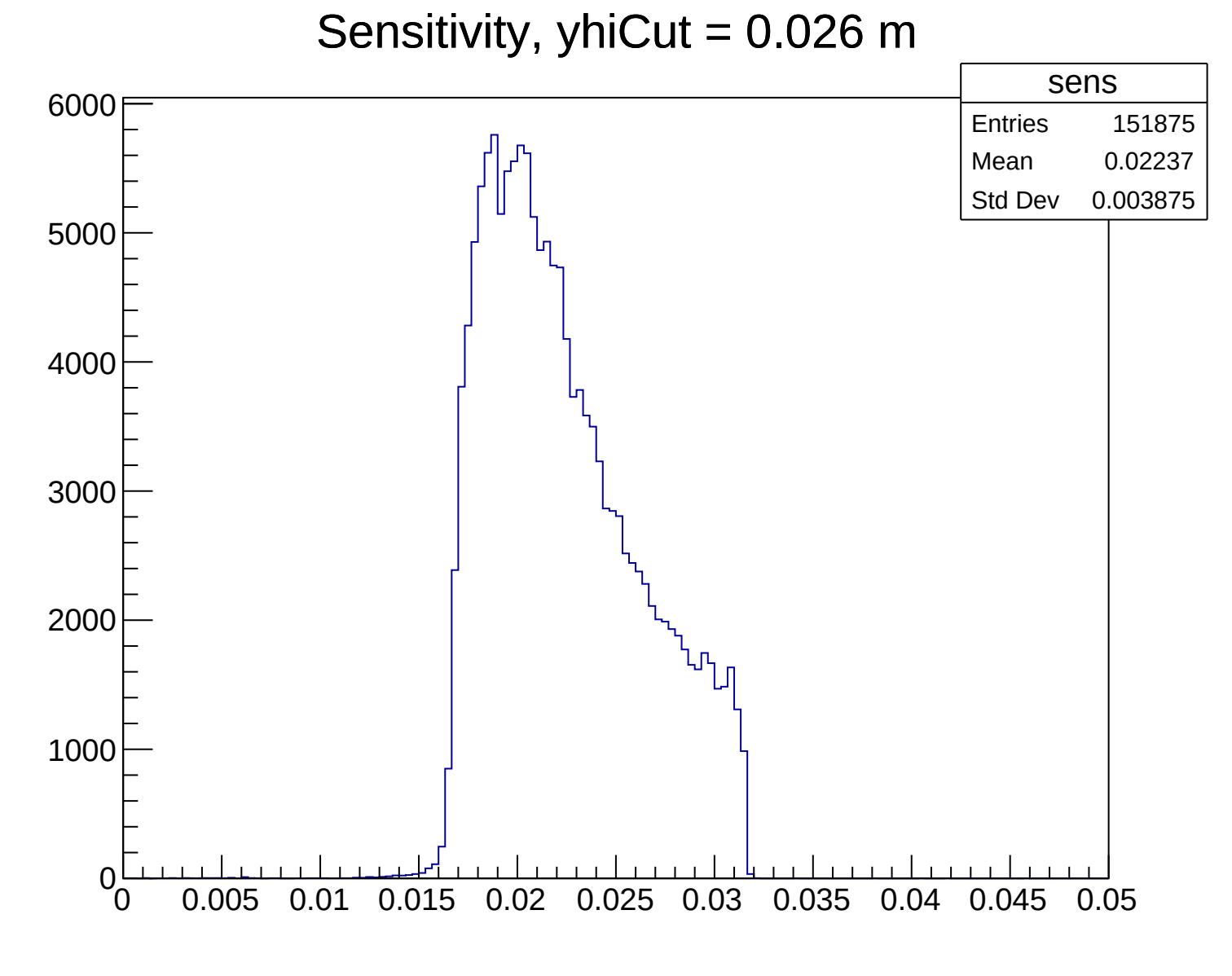

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

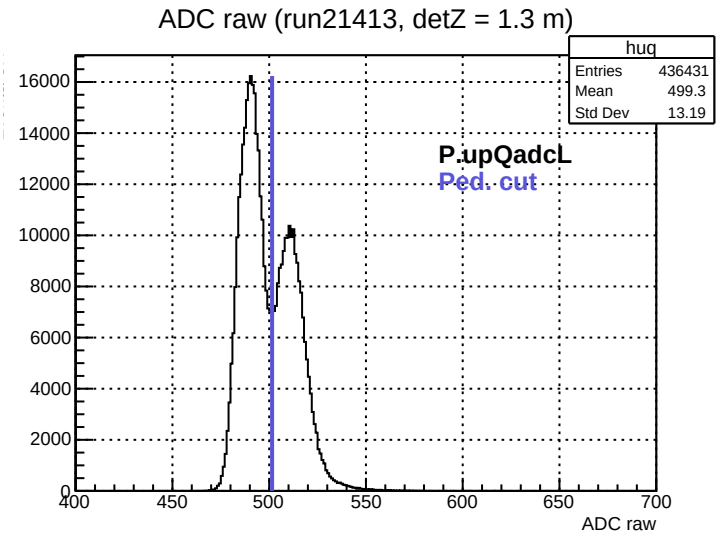

θlab (deg), yhiCut = 0.026 m
Theta
Entries 151875
Mean 4.798
Std Dev 0.4522
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

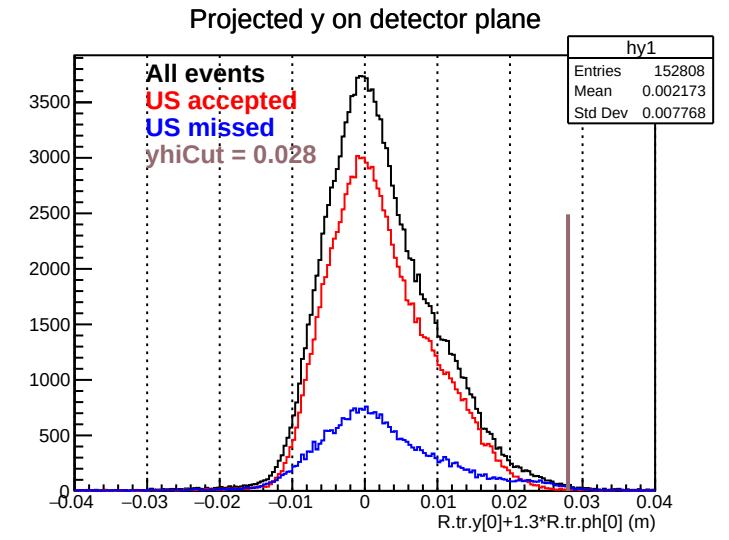

Asymmetry (ppm), yhiCut = 0.026 m
Asym
Entries 151875
Mean 0.5729
Std Dev 0.07999
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

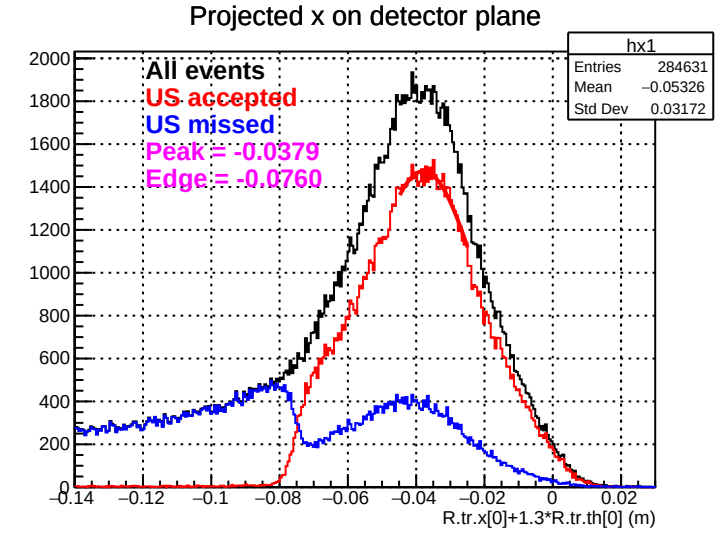

Stretched Asym. (ppm), yhiCut = 0.026 m
SAsym
Entries 151875
Mean 0.5598
Std Dev 0.07625
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

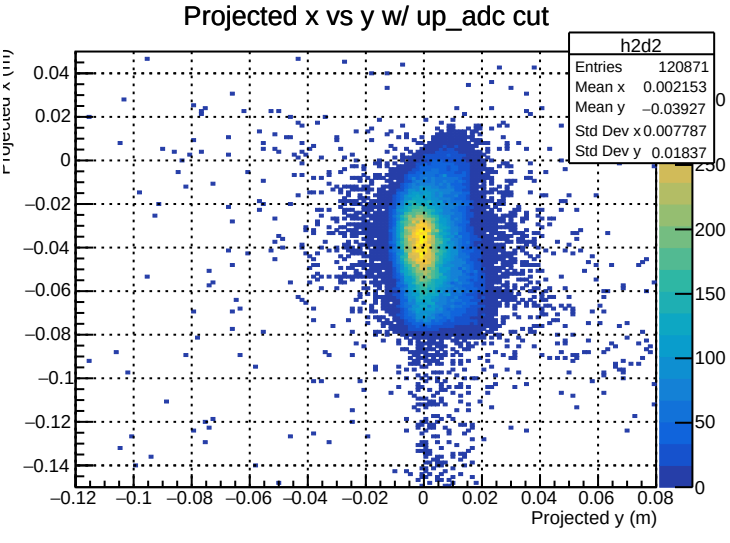

$Q^2$ (GeV/c)$^2$, yhiCut = 0.026 m
Q2
Entries 151875
Mean 0.006361
Std Dev 0.001226
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

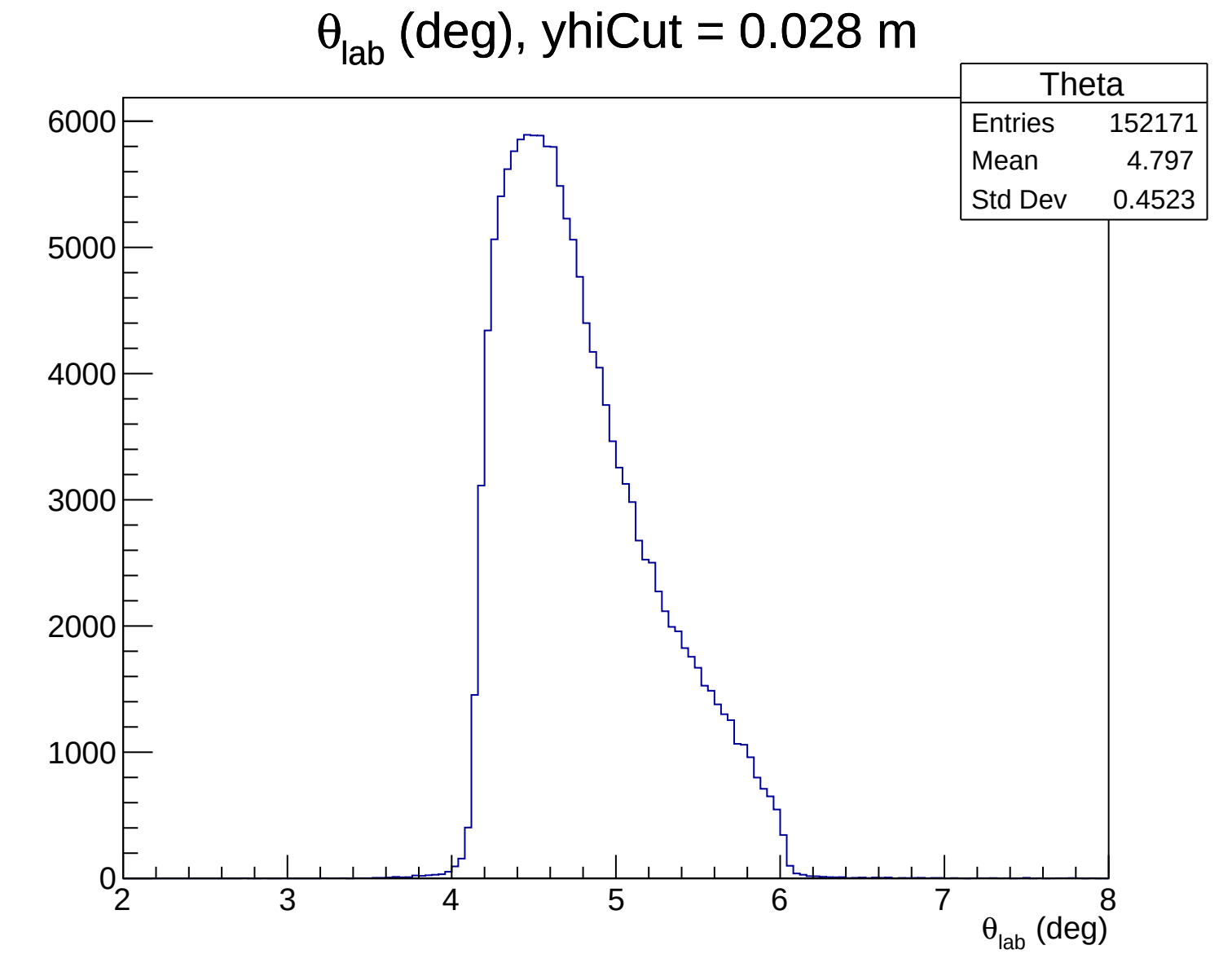

Sensitivity, yhiCut = 0.026 m
sens
Entries 151875
Mean 0.02237
Std Dev 0.003875
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

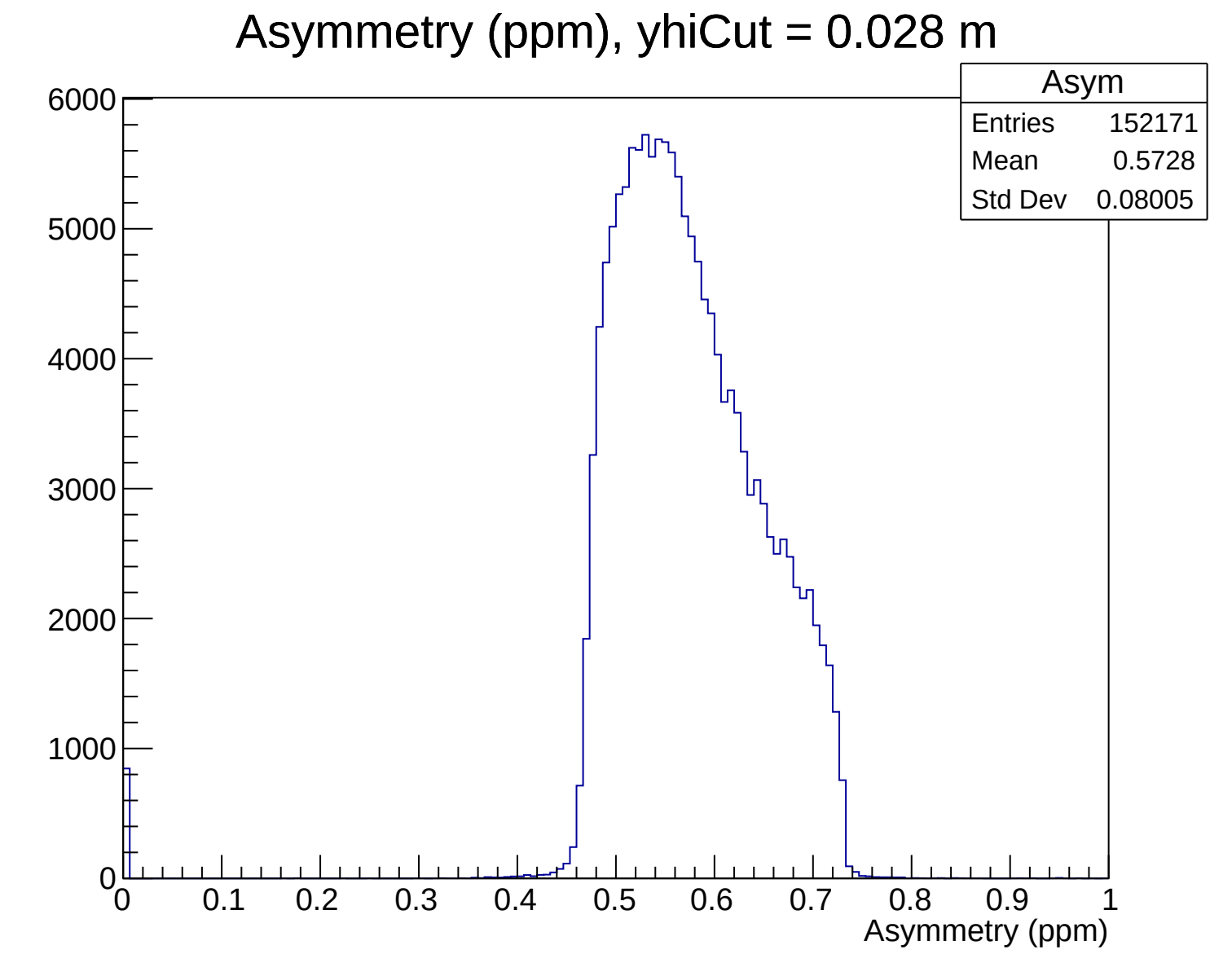

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

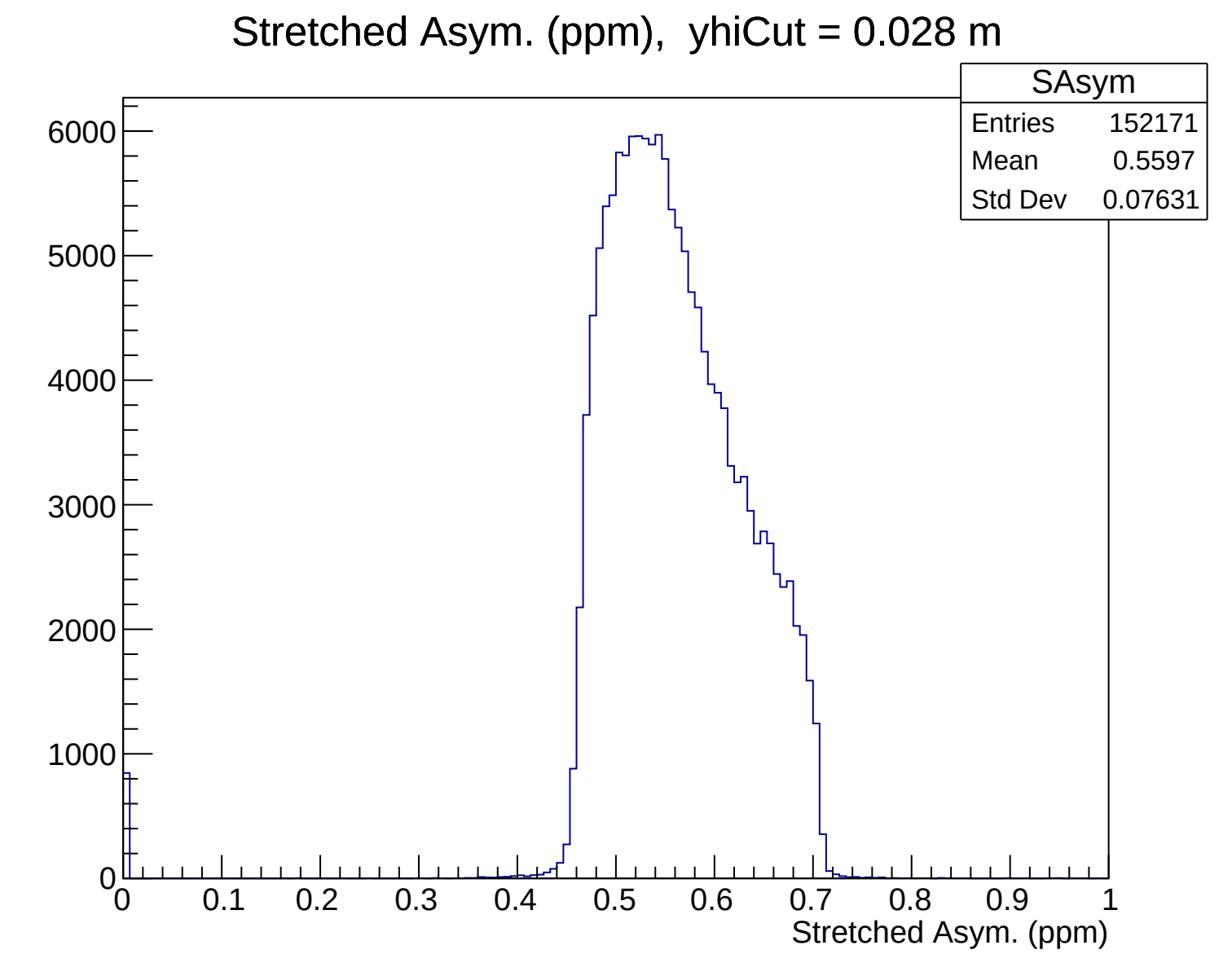

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.028
R.tr.y[0]+1.3*R.tr.ph[0] (m)

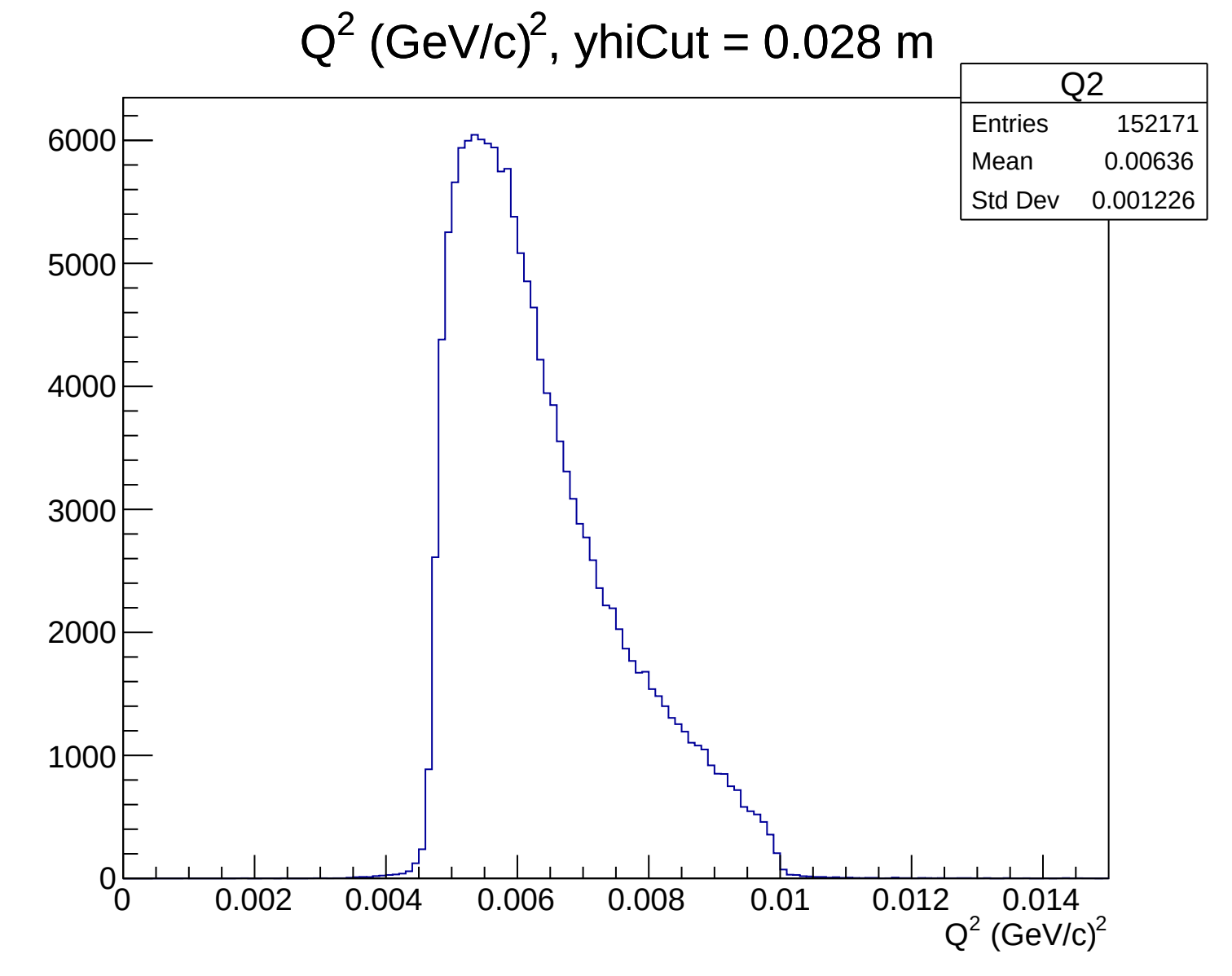

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

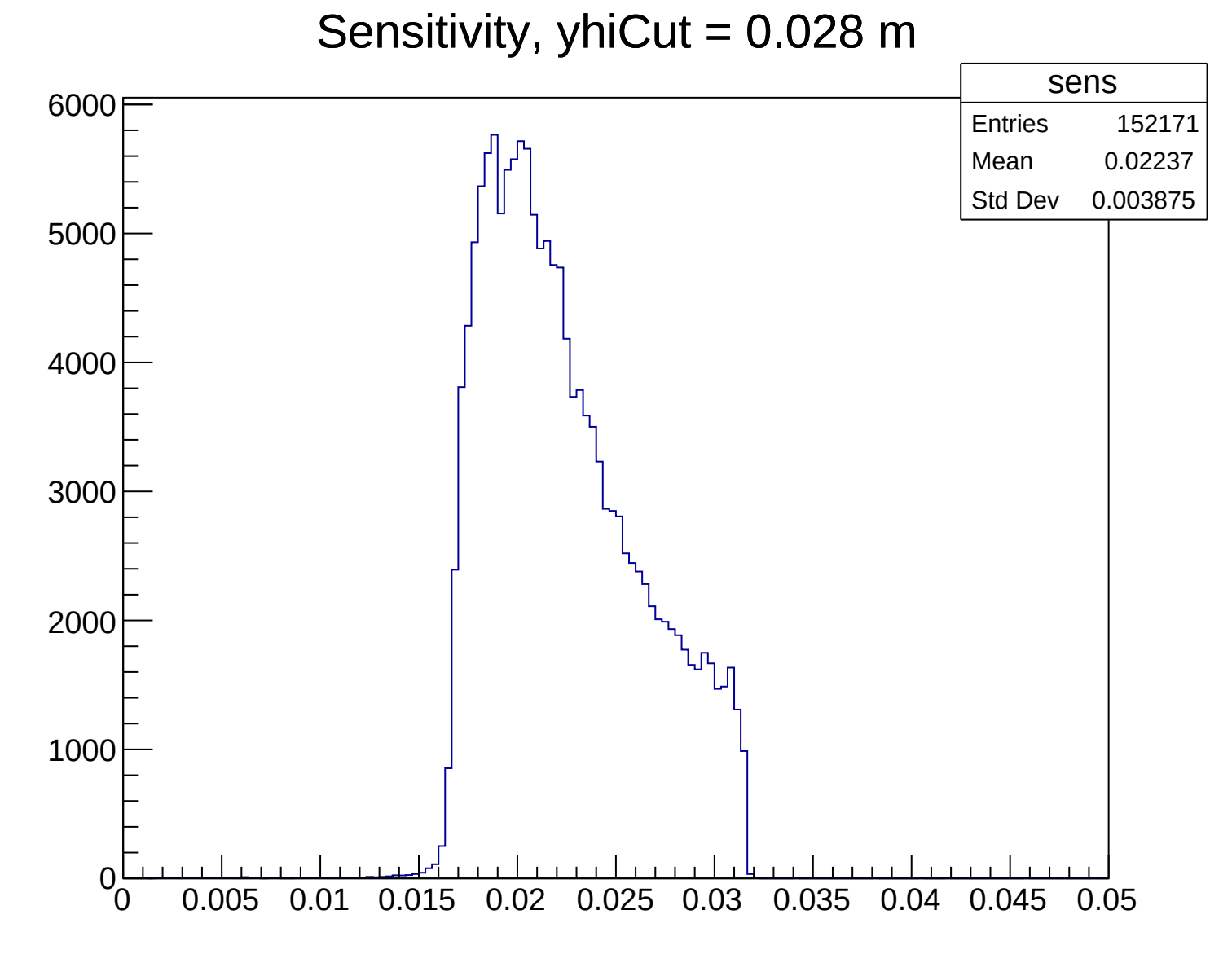

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

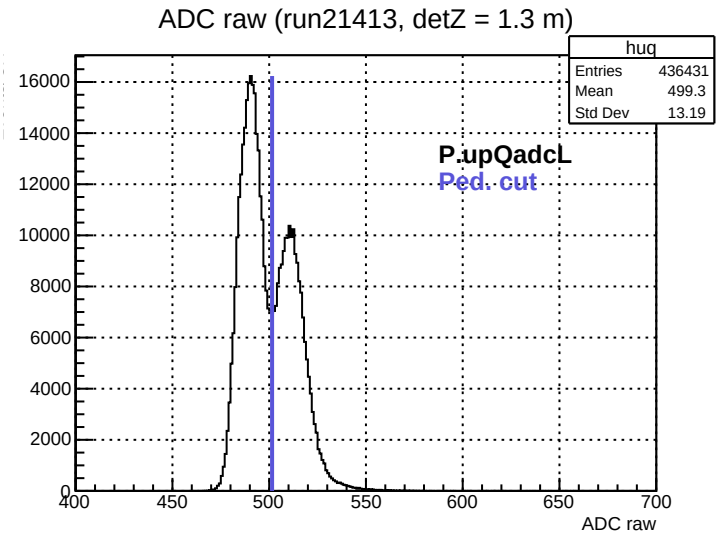

θlab (deg), yhiCut = 0.028 m
Theta
Entries 152171
Mean 4.797
Std Dev 0.4523
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

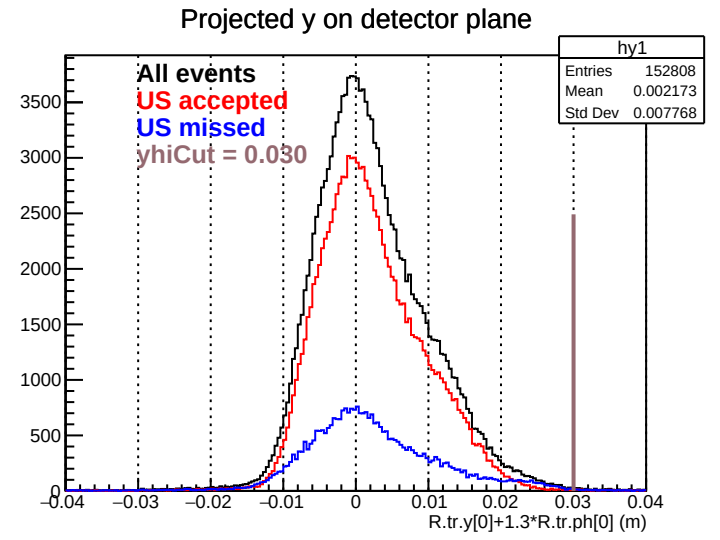

Asymmetry (ppm), yhiCut = 0.028 m
Asym
Entries 152171
Mean 0.5728
Std Dev 0.08005
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

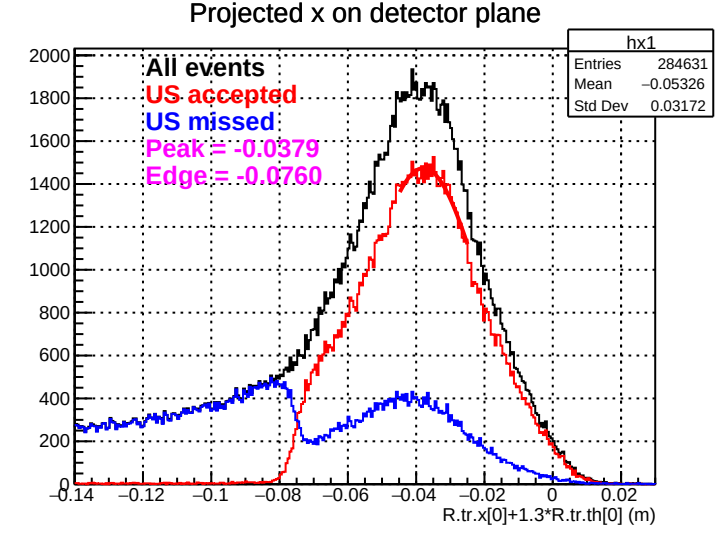

Stretched Asym. (ppm),  yhiCut = 0.028 m
SAsym
Entries 152171
Mean 0.5597
Std Dev 0.07631
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

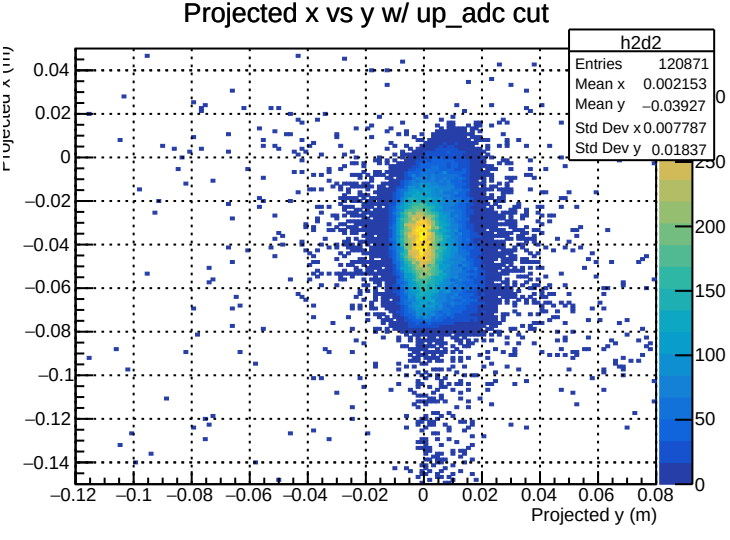

$Q^2$ (GeV/c)$^2$, yhiCut = 0.028 m
Q2
Entries 152171
Mean 0.00636
Std Dev 0.001226
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

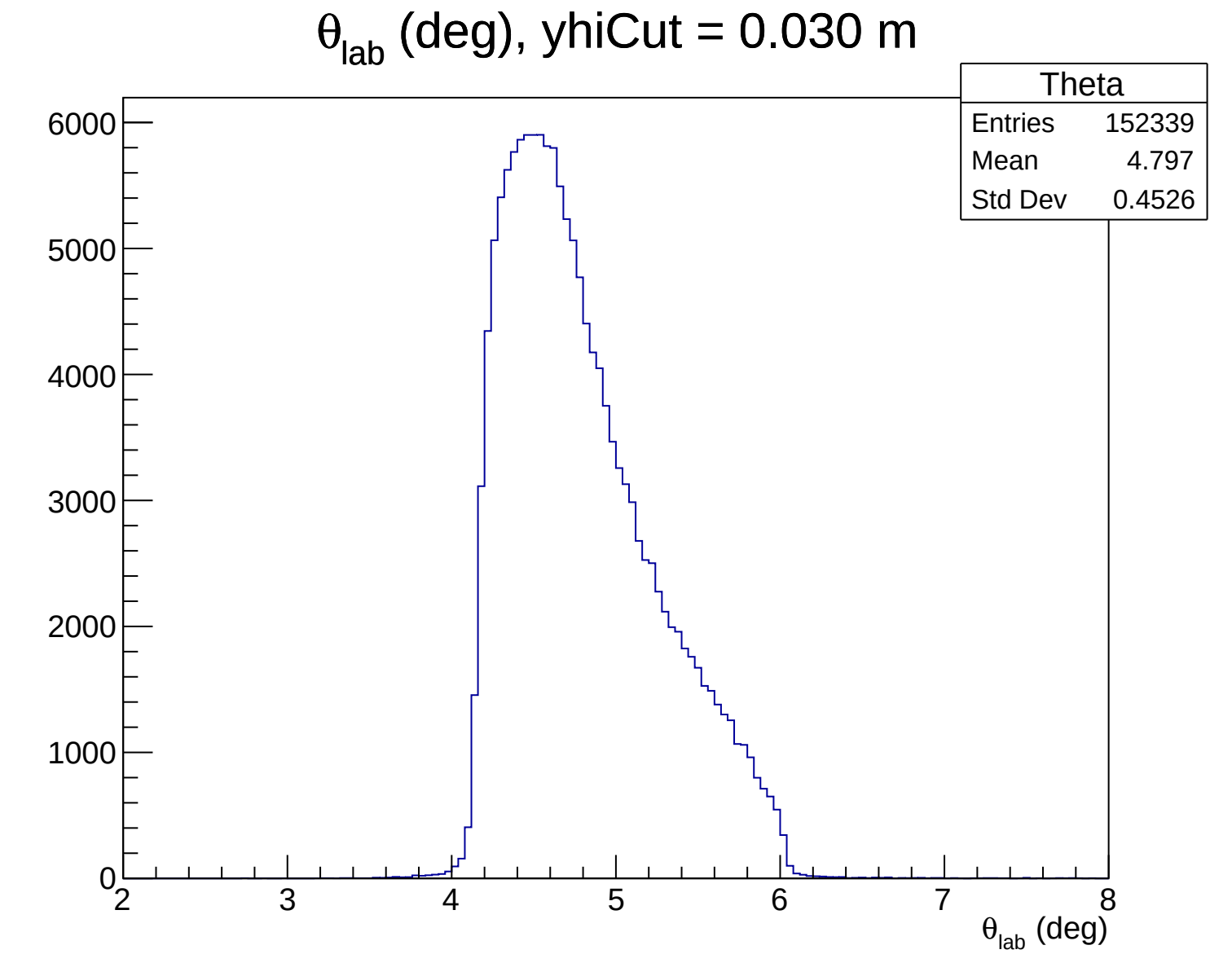

Sensitivity, yhiCut = 0.028 m
sens
Entries 152171
Mean 0.02237
Std Dev 0.003875
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

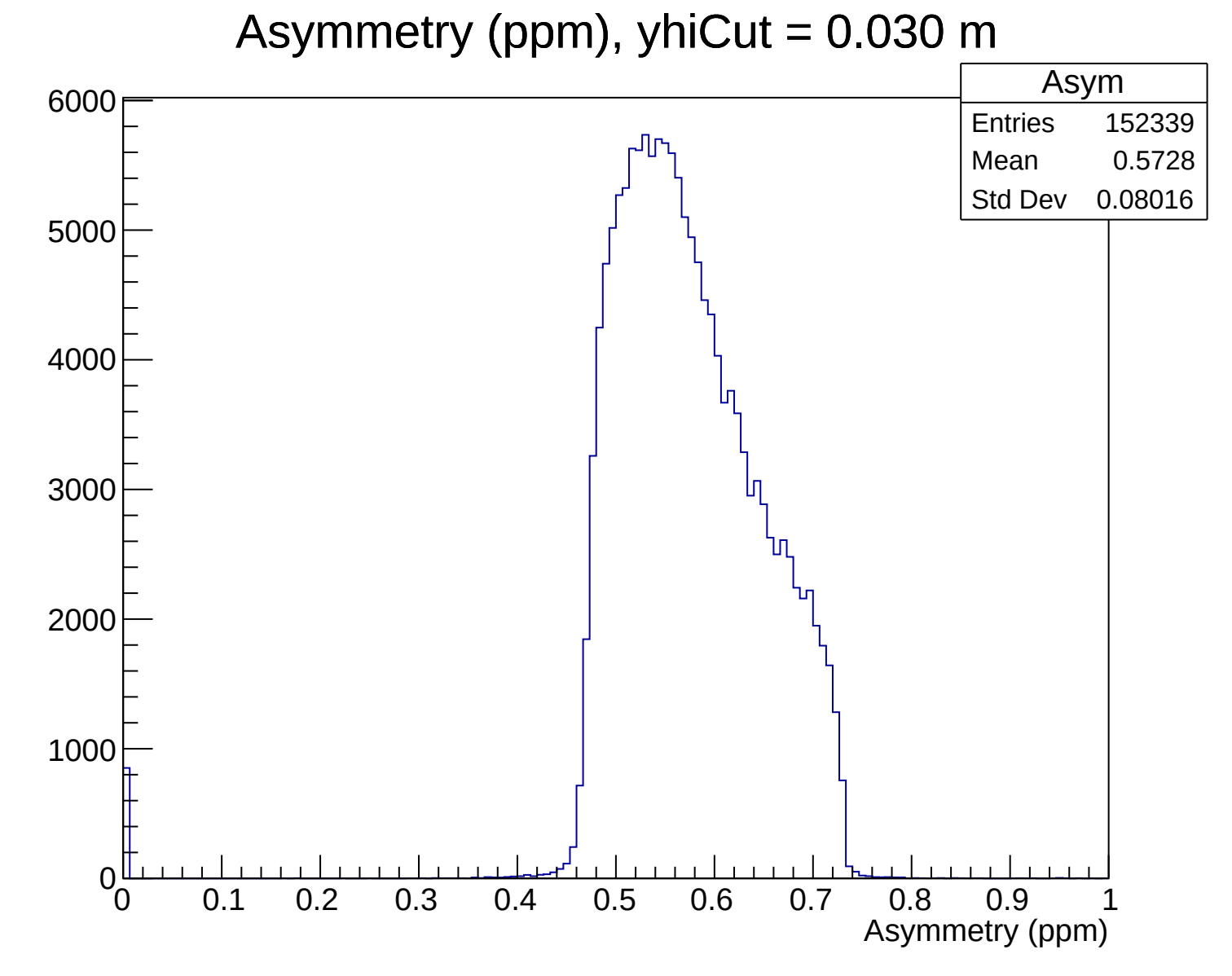

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

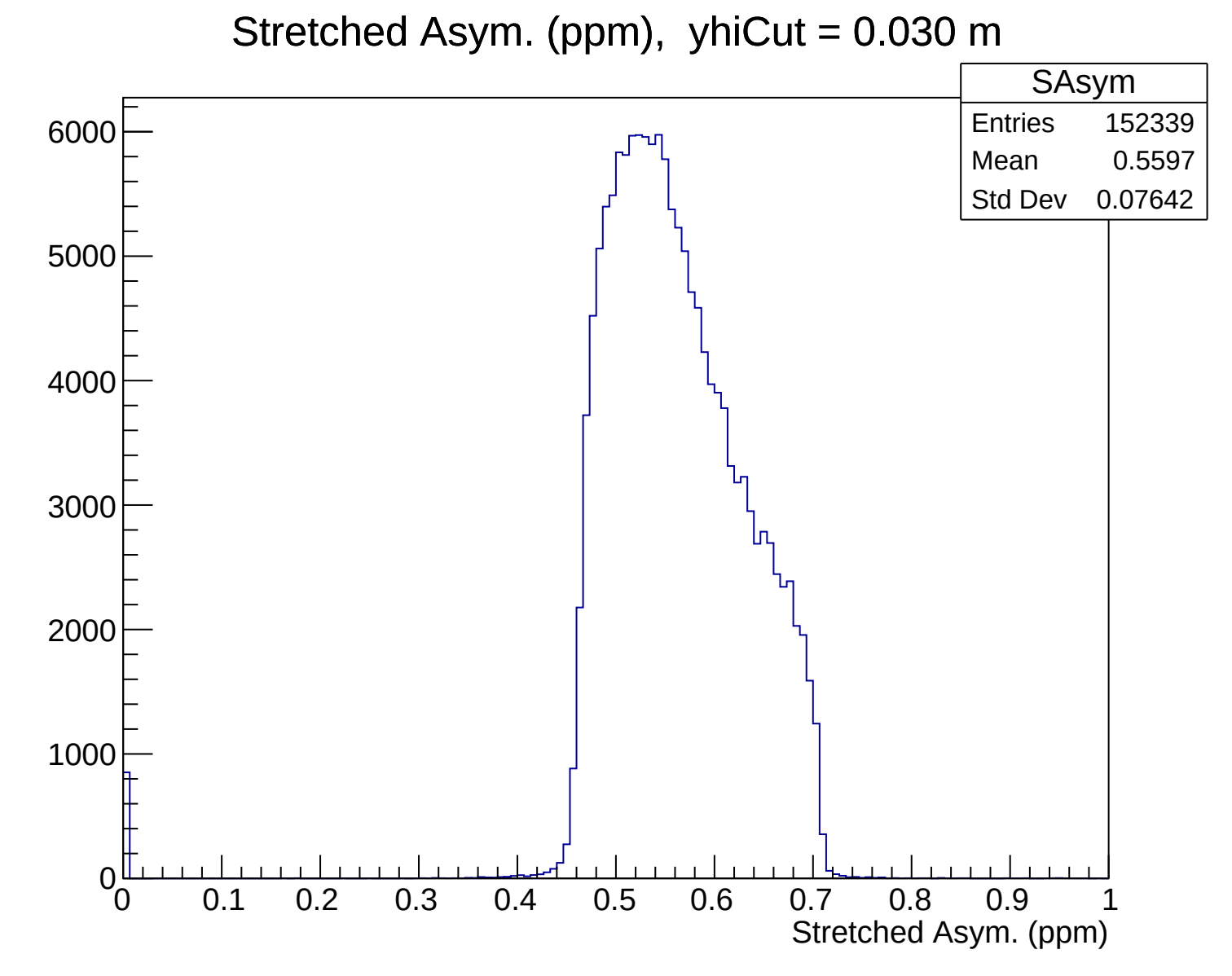

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.030
R.tr.y[0]+1.3*R.tr.ph[0] (m)

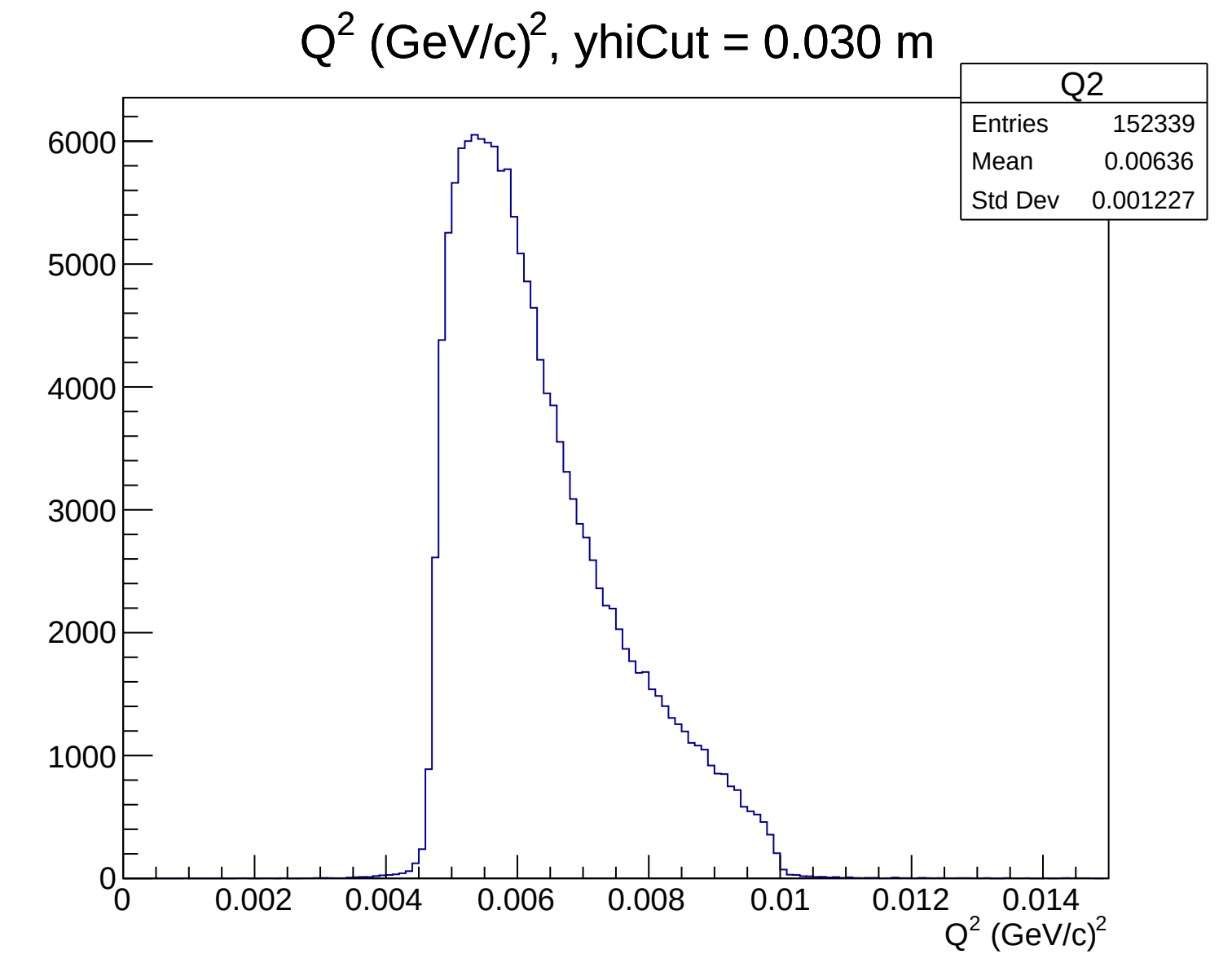

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

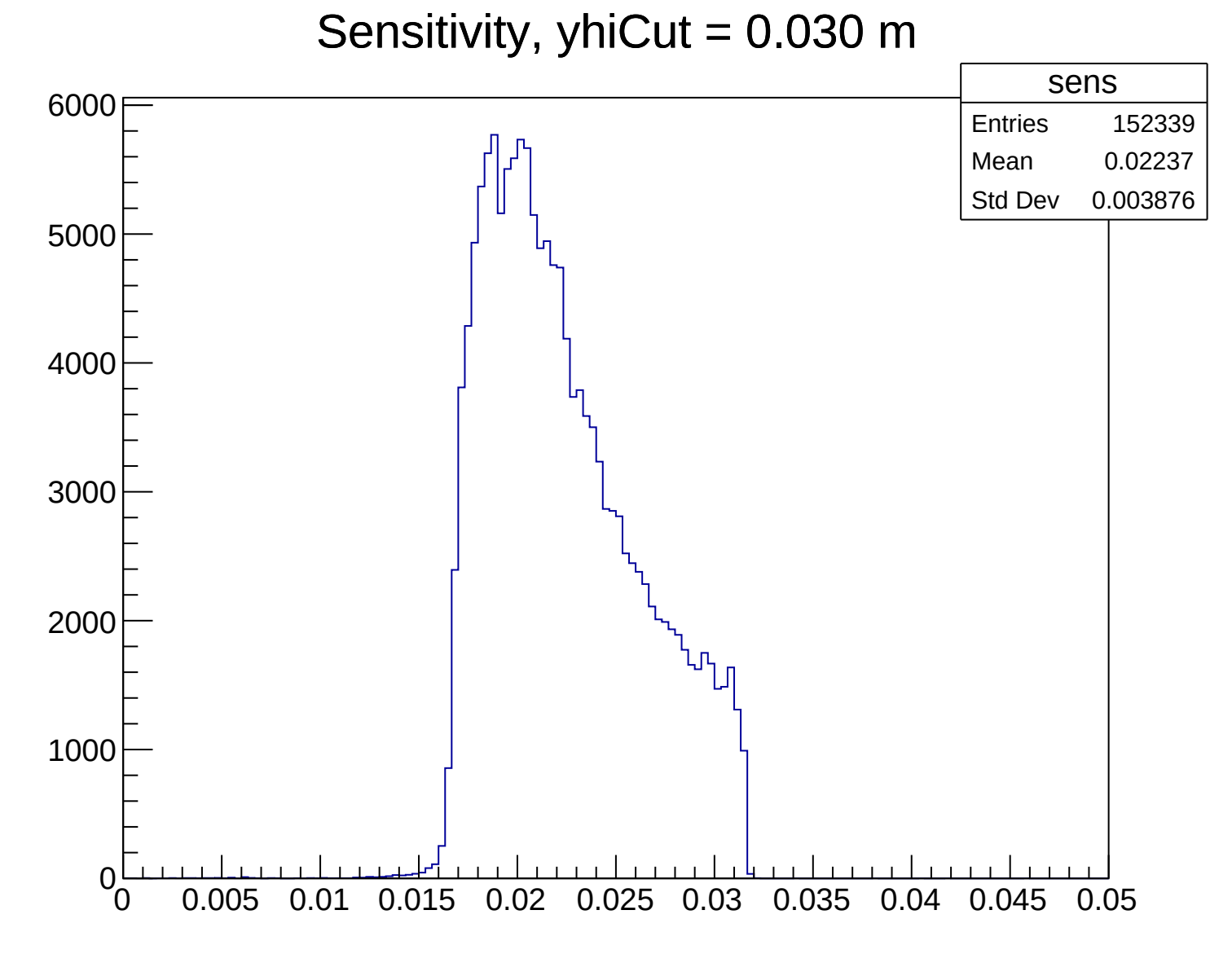

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

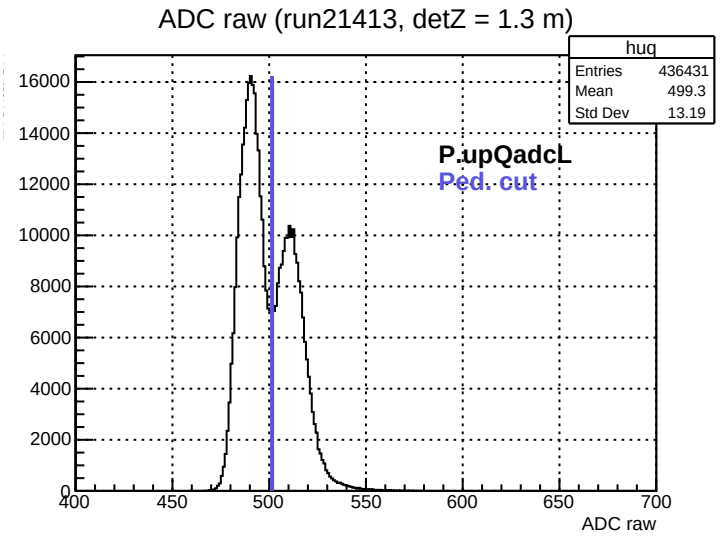

θlab (deg), yhiCut = 0.030 m
Theta
Entries 152339
Mean 4.797
Std Dev 0.4526
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

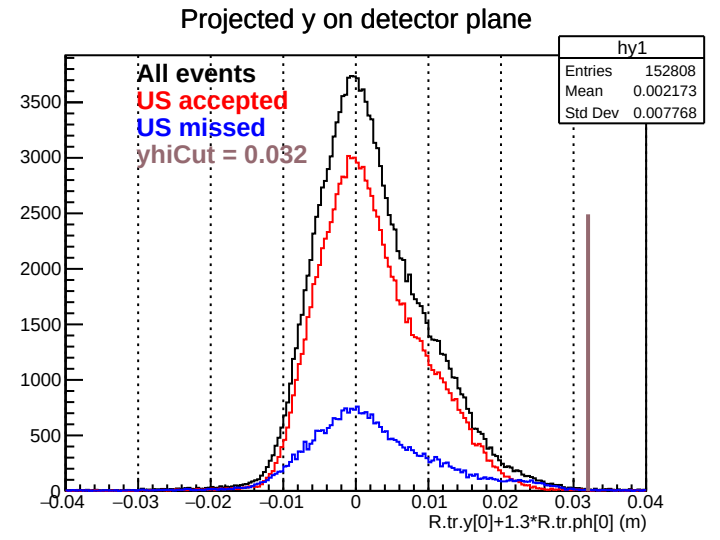

Asymmetry (ppm), yhiCut = 0.030 m
Asym
Entries 152339
Mean 0.5728
Std Dev 0.08016
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

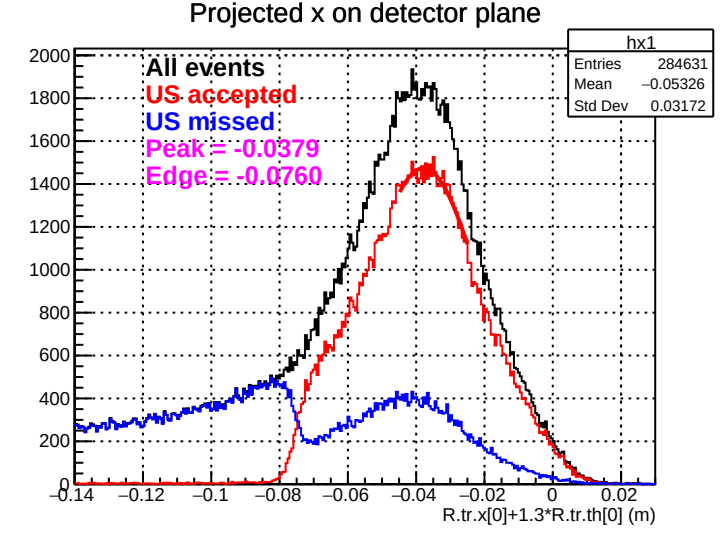

Stretched Asym. (ppm), yhiCut = 0.030 m
SAsym
Entries 152339
Mean 0.5597
Std Dev 0.07642
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

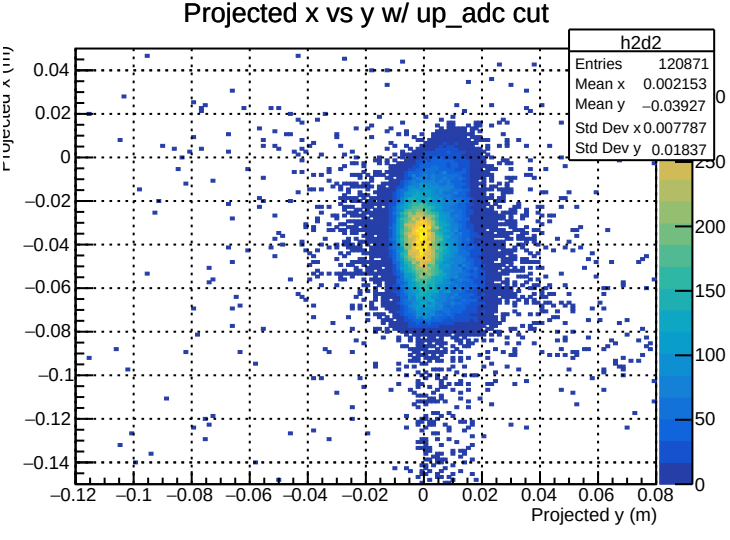

$Q^2$ (GeV/c)$^2$, yhiCut = 0.030 m
Q2
Entries 152339
Mean 0.00636
Std Dev 0.001227
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

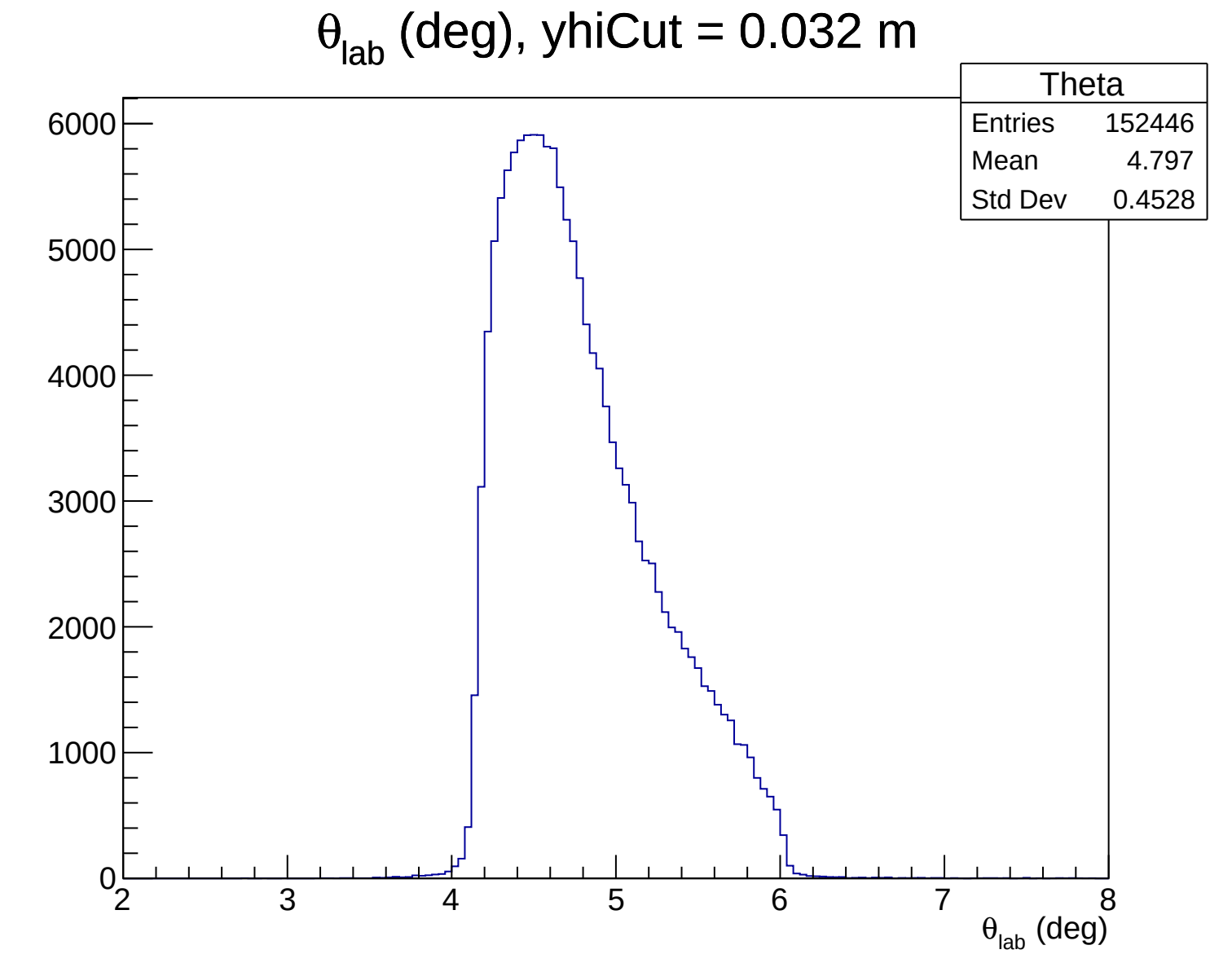

Sensitivity, yhiCut = 0.030 m
sens
Entries 152339
Mean 0.02237
Std Dev 0.003876
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

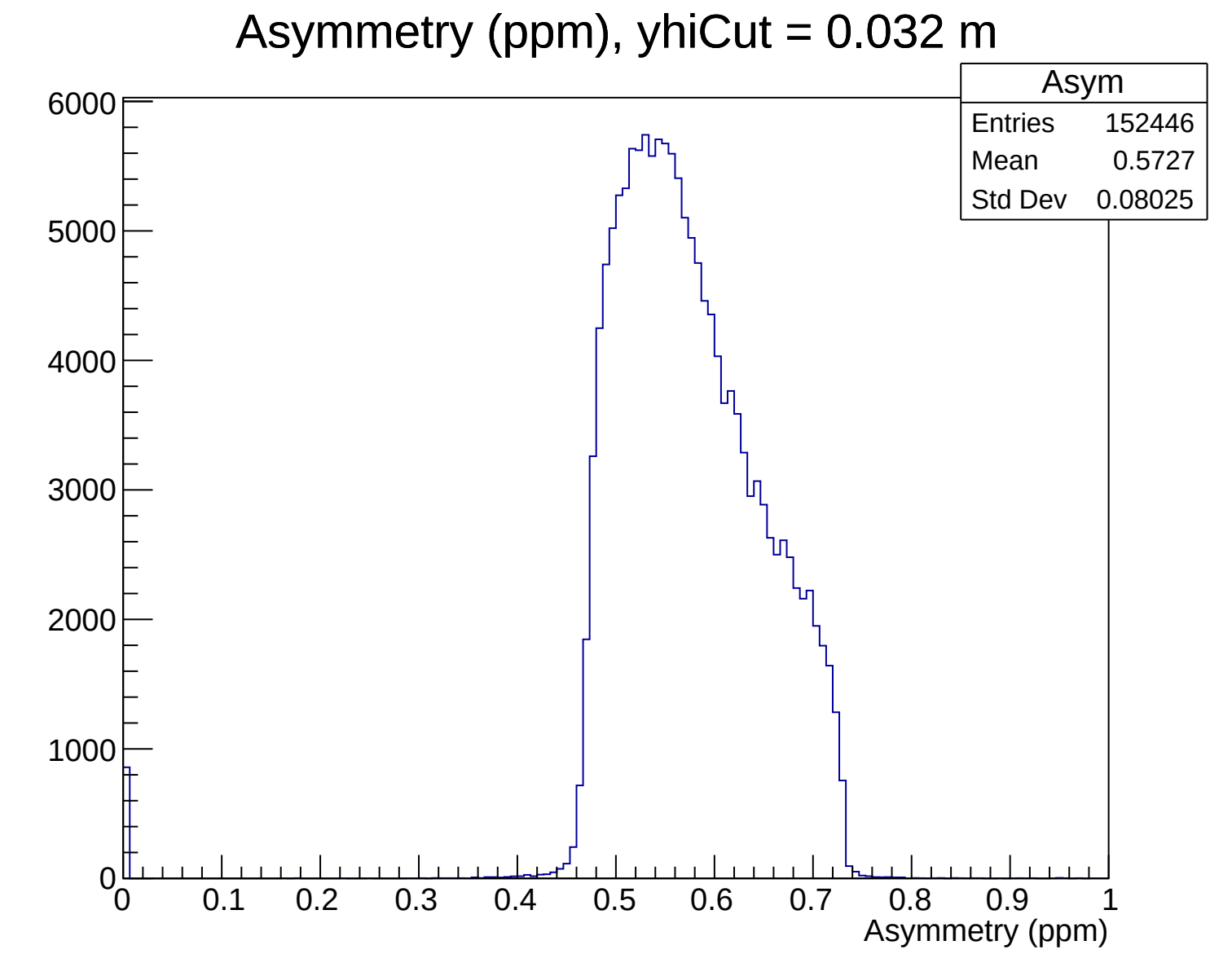

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

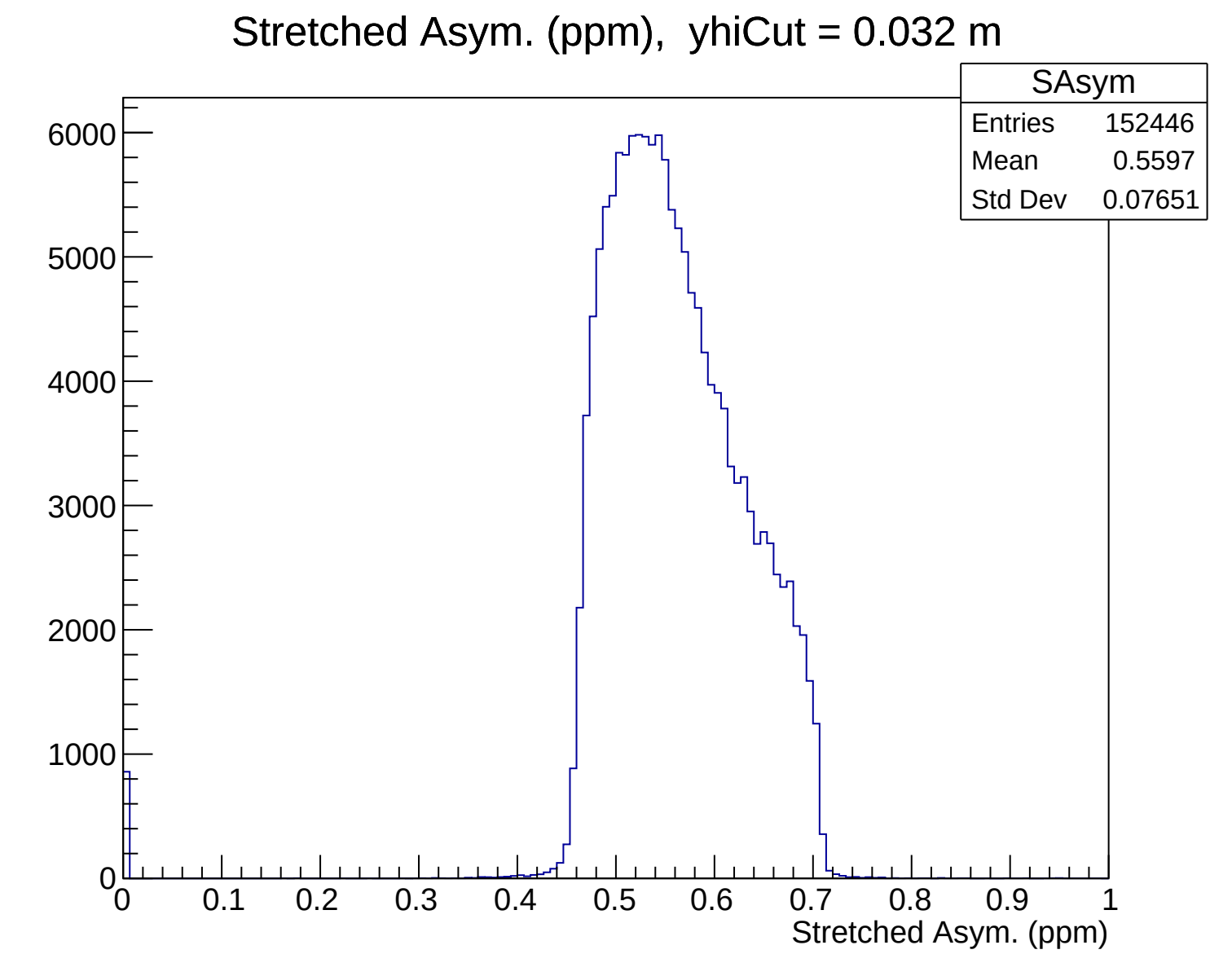

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.032
R.tr.y[0]+1.3*R.tr.ph[0] (m)

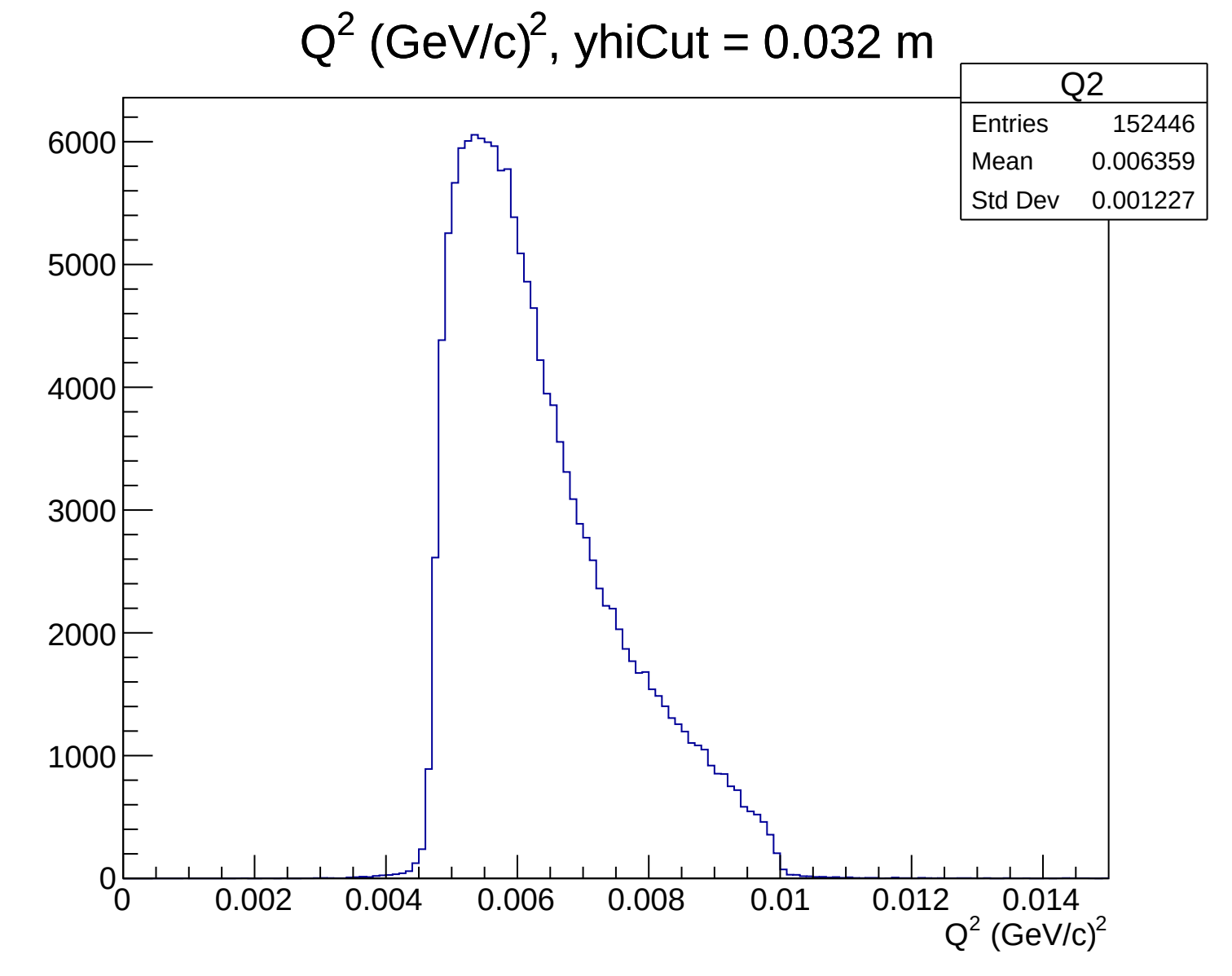

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

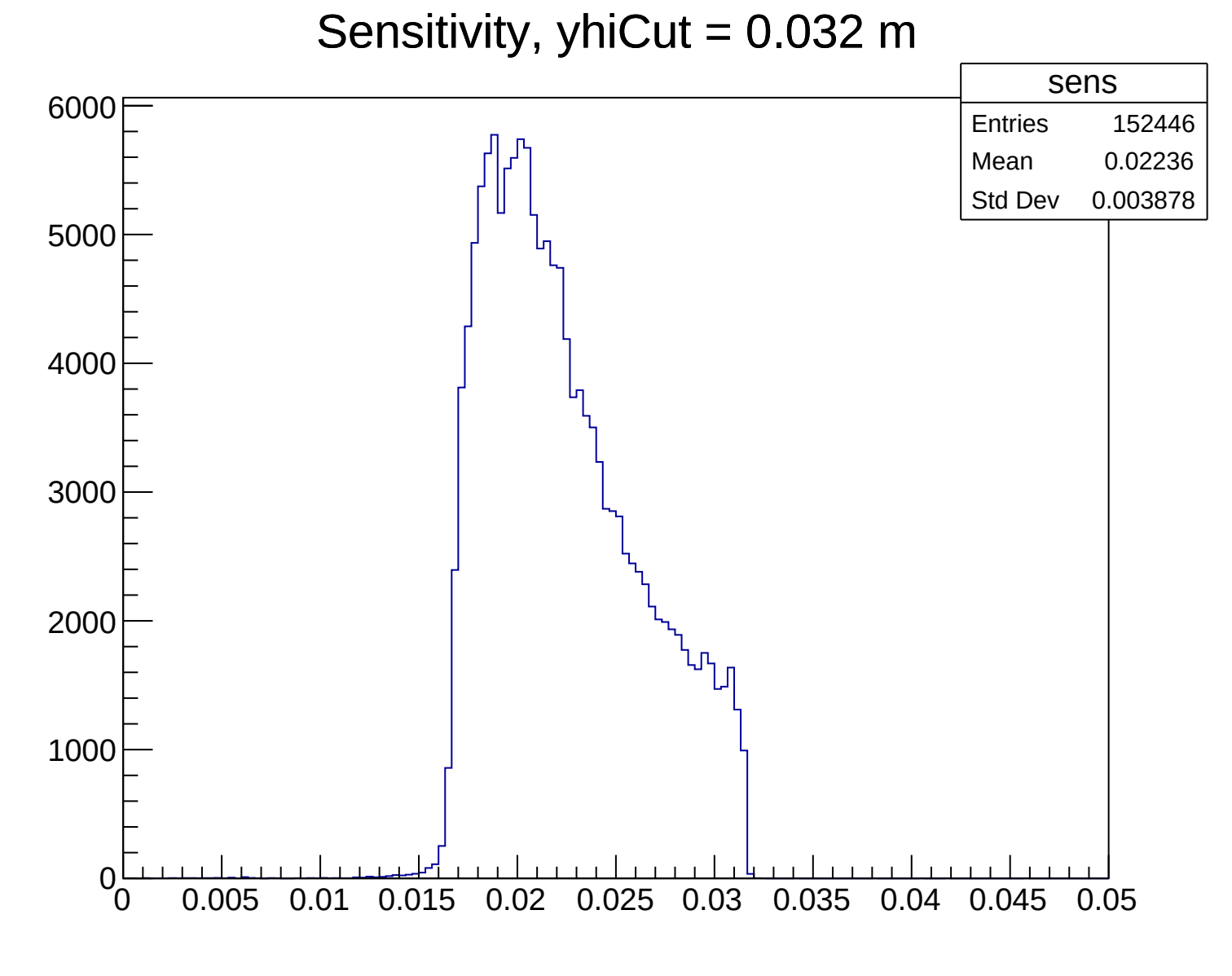

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

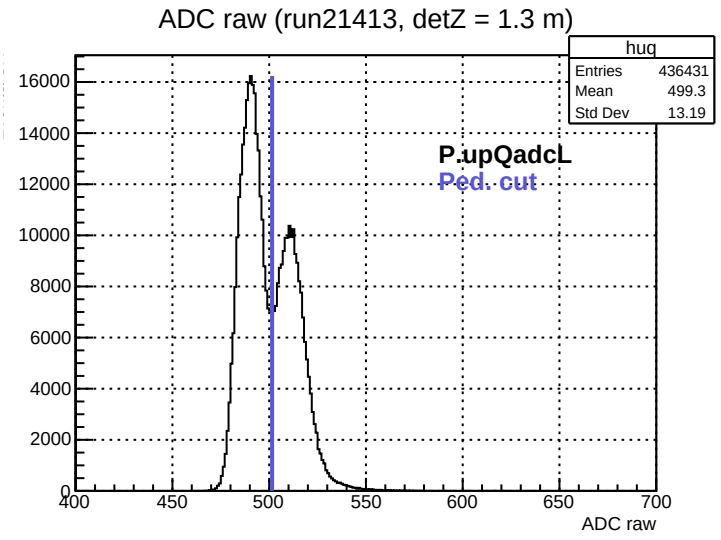

θlab (deg), yhiCut = 0.032 m
Theta
Entries 152446
Mean 4.797
Std Dev 0.4528
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

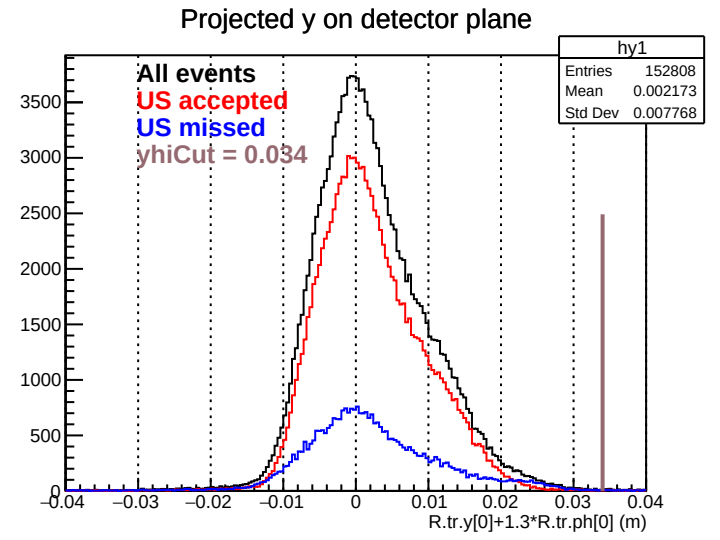

Asymmetry (ppm), yhiCut = 0.032 m
Asym
Entries 152446
Mean 0.5727
Std Dev 0.08025
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

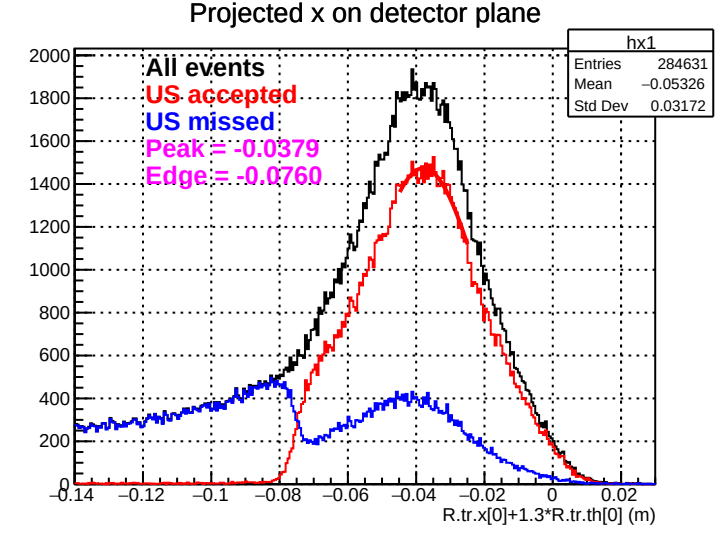

Stretched Asym. (ppm), yhiCut = 0.032 m
SAsym
Entries 152446
Mean 0.5597
Std Dev 0.07651
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

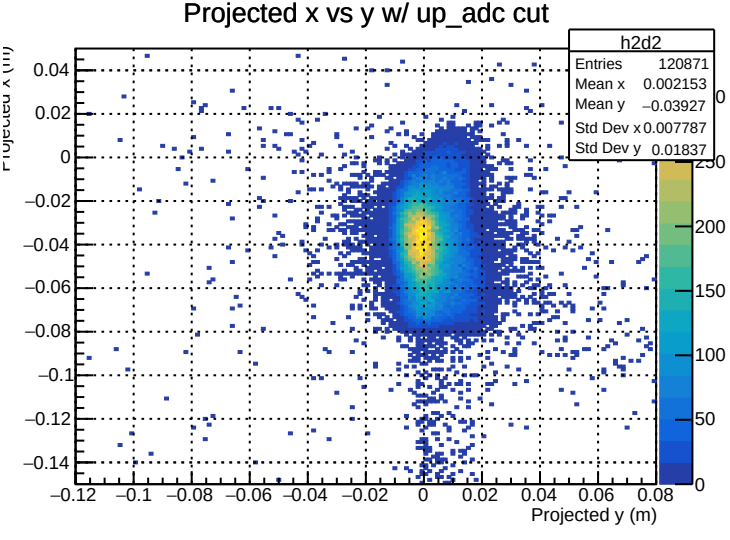

$Q^2$ (GeV/c)$^2$, yhiCut = 0.032 m
Q2
Entries 152446
Mean 0.006359
Std Dev 0.001227
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

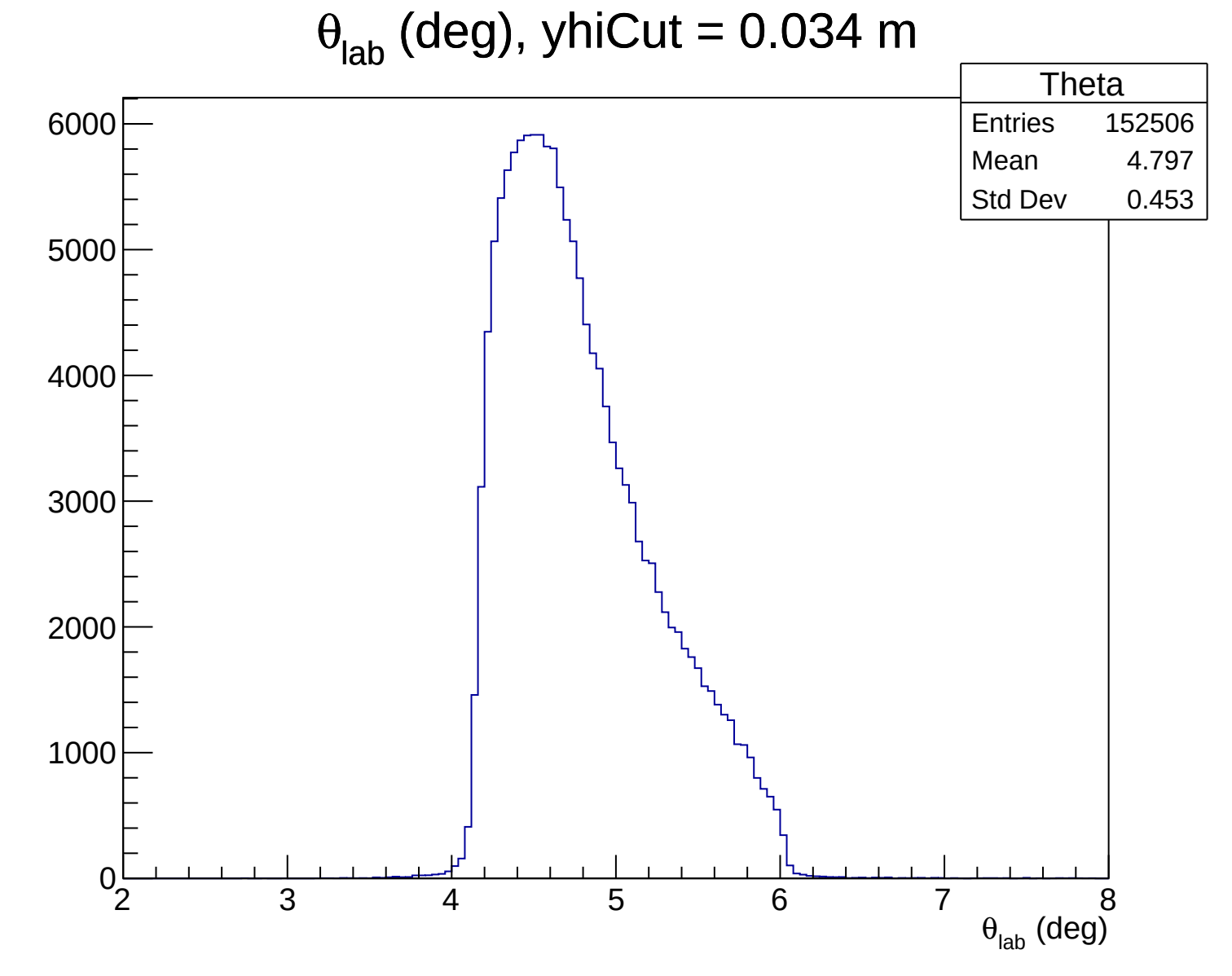

Sensitivity, yhiCut = 0.032 m
sens
Entries 152446
Mean 0.02236
Std Dev 0.003878
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

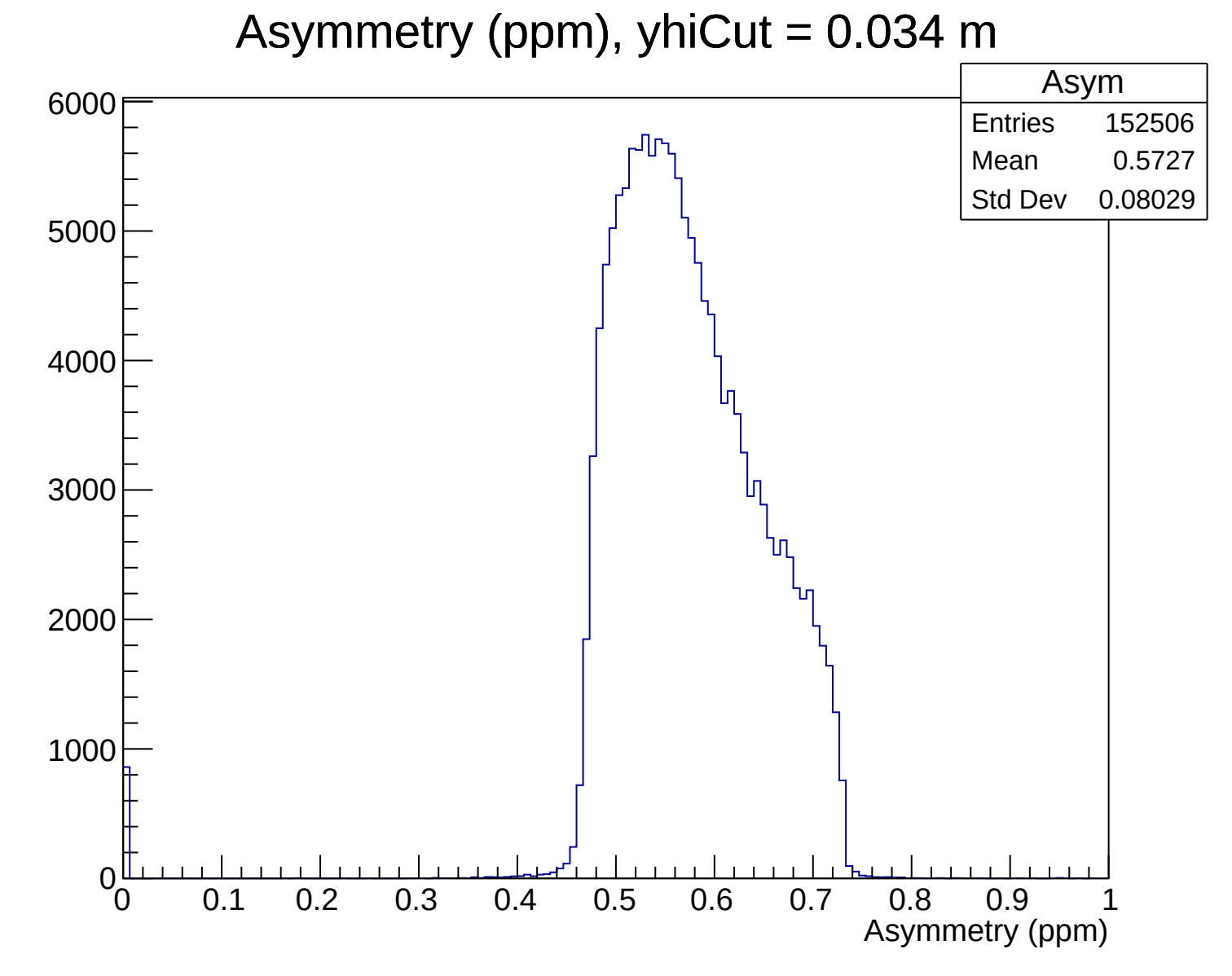

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

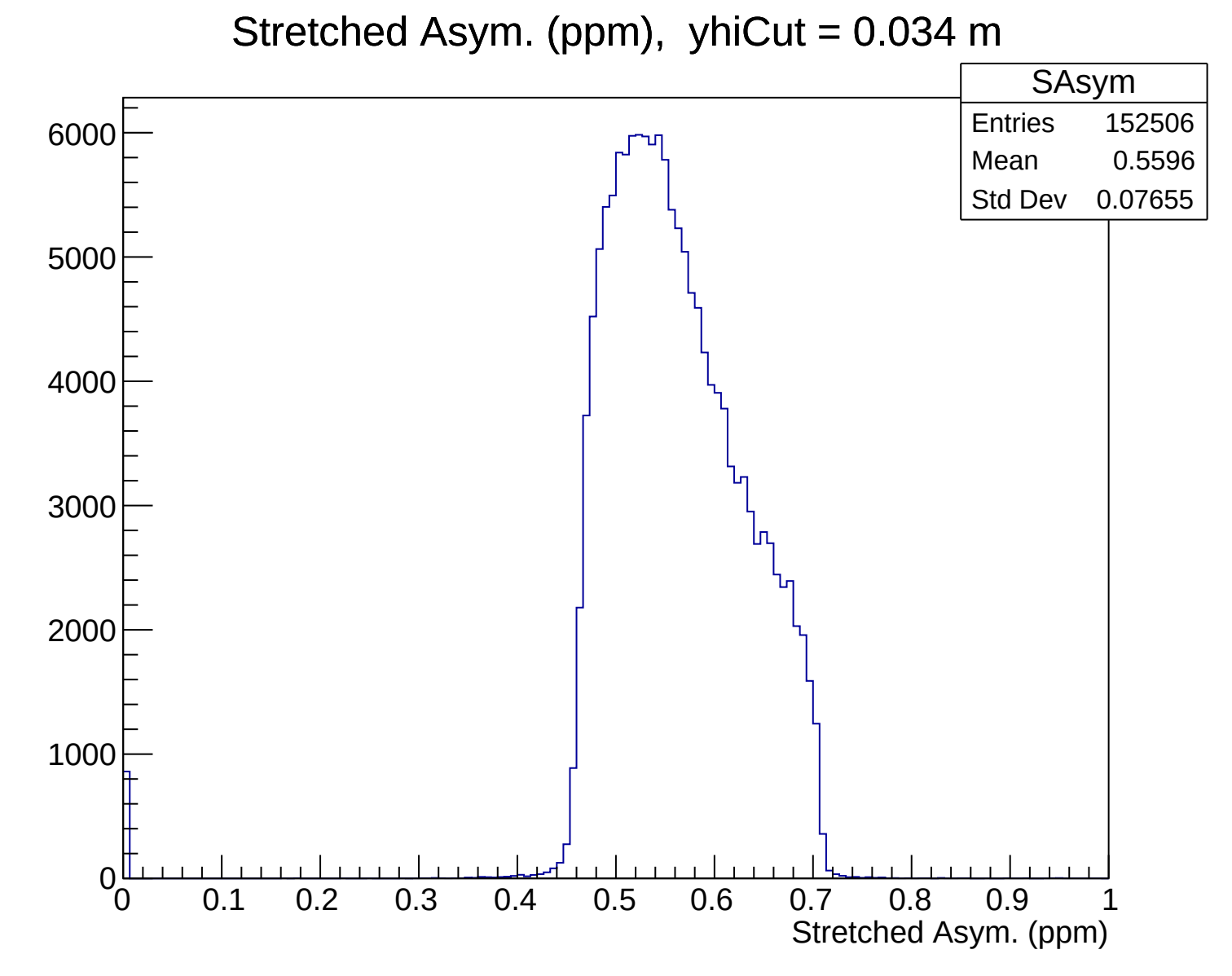

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.034
R.tr.y[0]+1.3*R.tr.ph[0] (m)

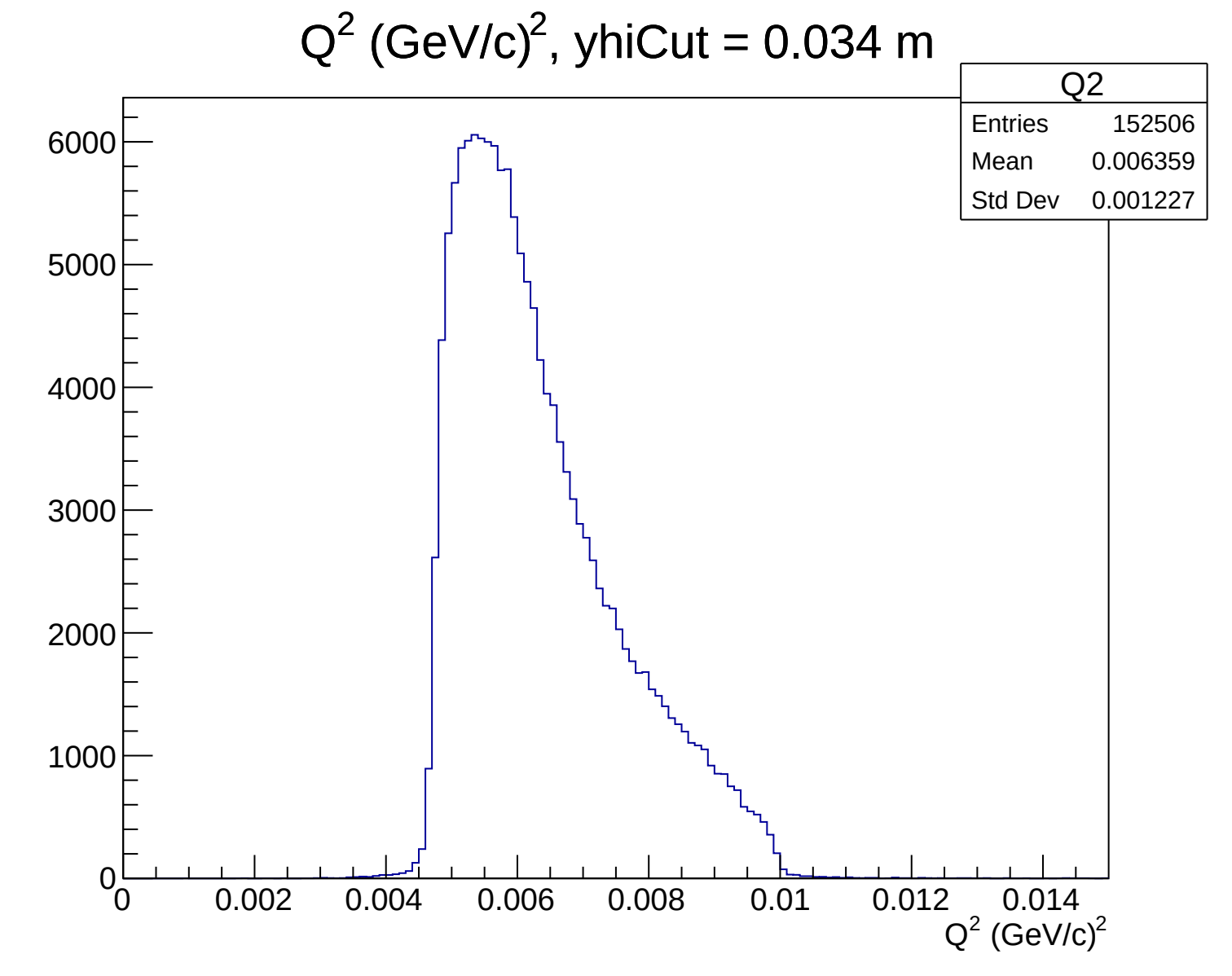

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

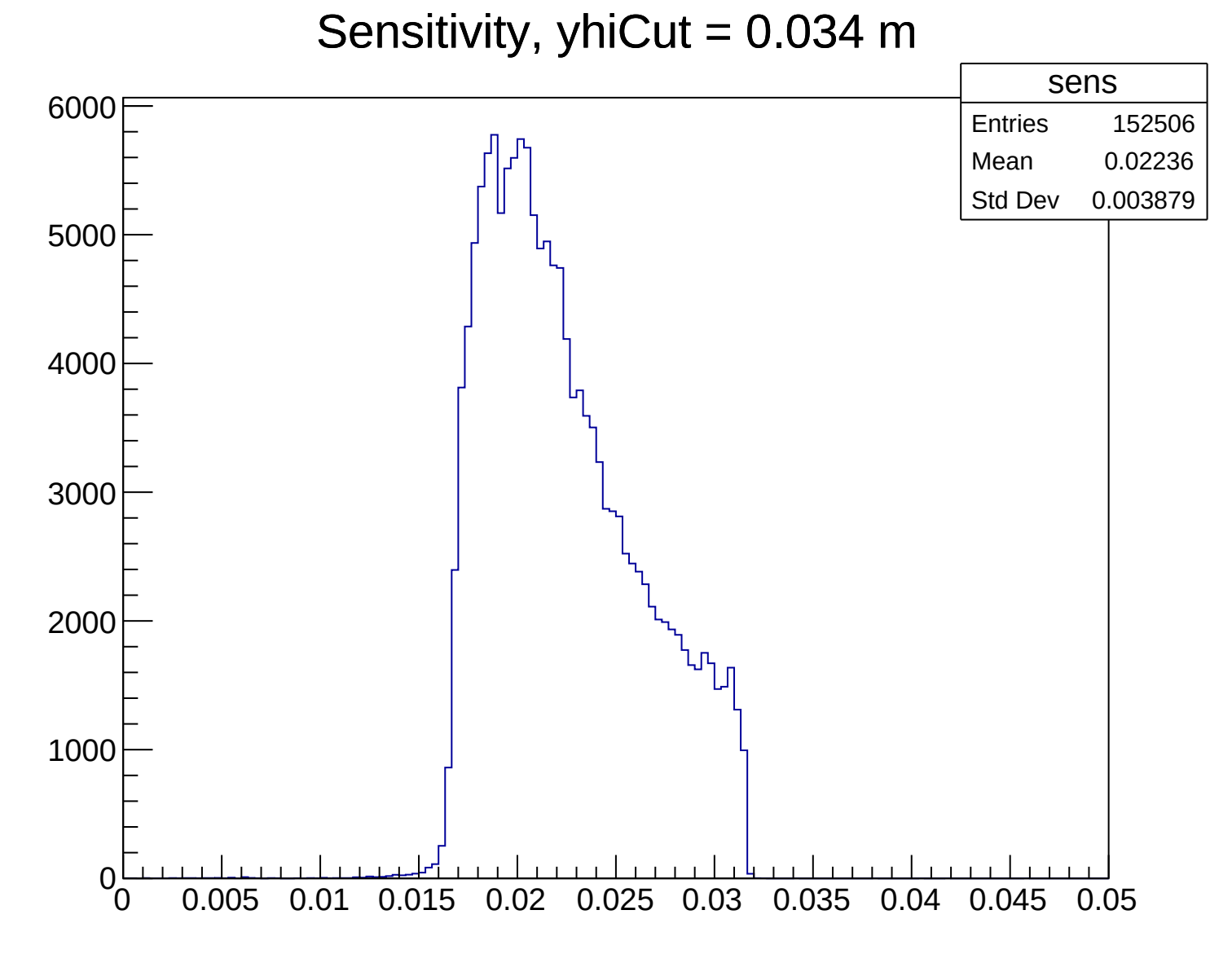

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

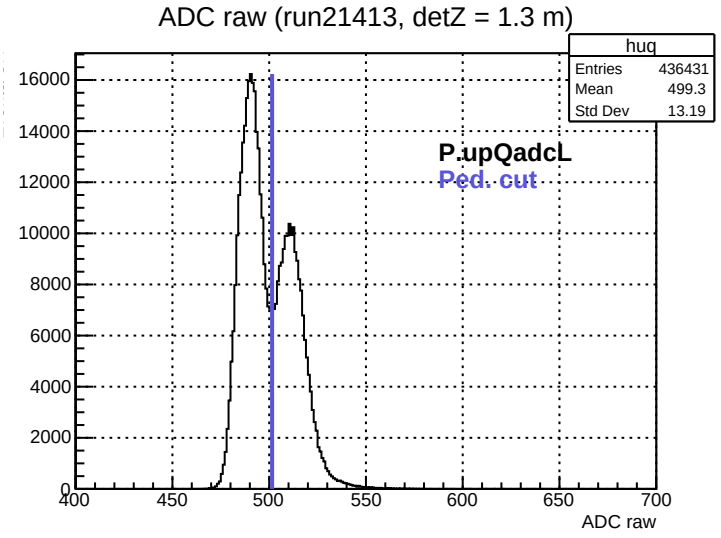

θlab (deg), yhiCut = 0.034 m
Theta
Entries 152506
Mean 4.797
Std Dev 0.453
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

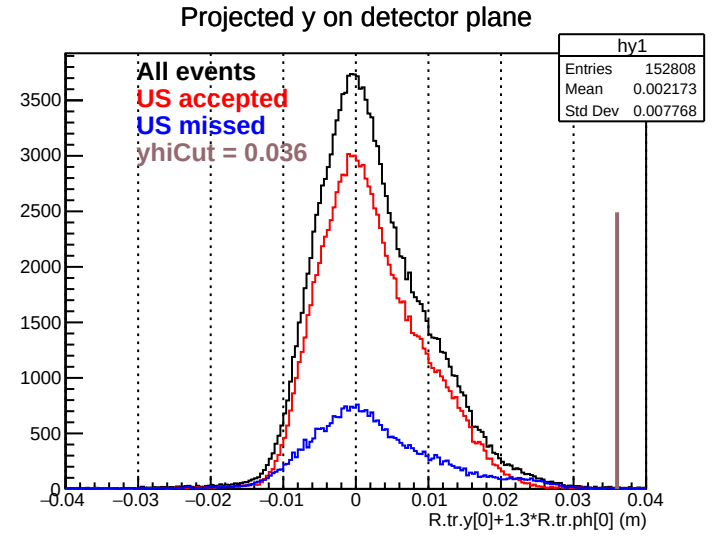

Asymmetry (ppm), yhiCut = 0.034 m
Asym
Entries 152506
Mean 0.5727
Std Dev 0.08029
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

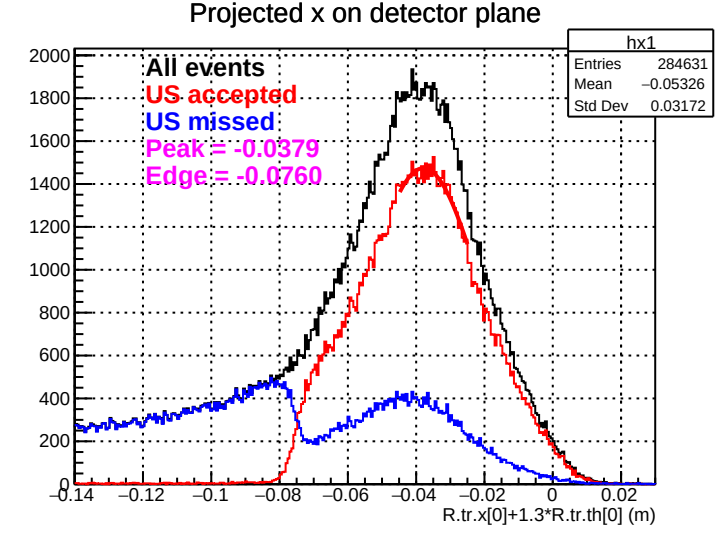

Stretched Asym. (ppm), yhiCut = 0.034 m
SAsym
Entries 152506
Mean 0.5596
Std Dev 0.07655
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

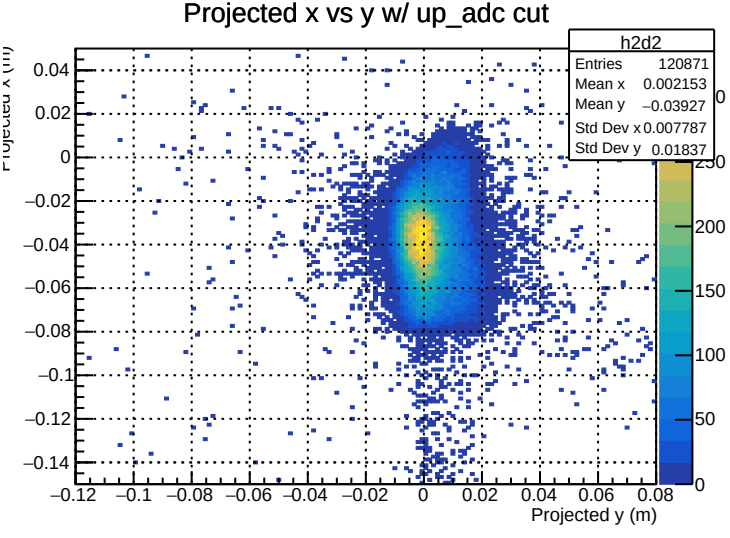

$Q^2$ $(GeV/c)^2$, yhiCut = 0.034 m
Q2
Entries 152506
Mean 0.006359
Std Dev 0.001227
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ $(GeV/c)^2$

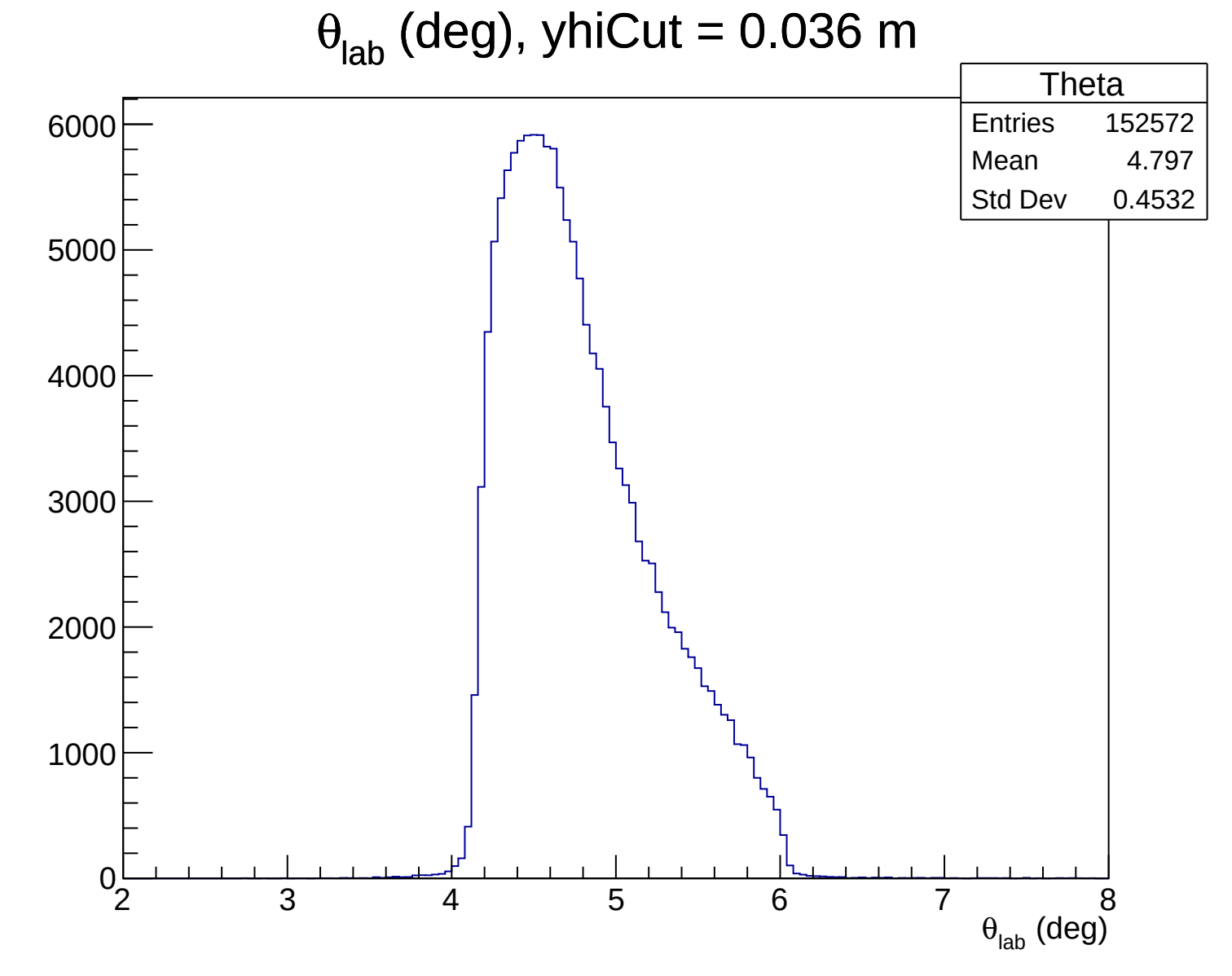

Sensitivity, yhiCut = 0.034 m
sens
Entries 152506
Mean 0.02236
Std Dev 0.003879
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

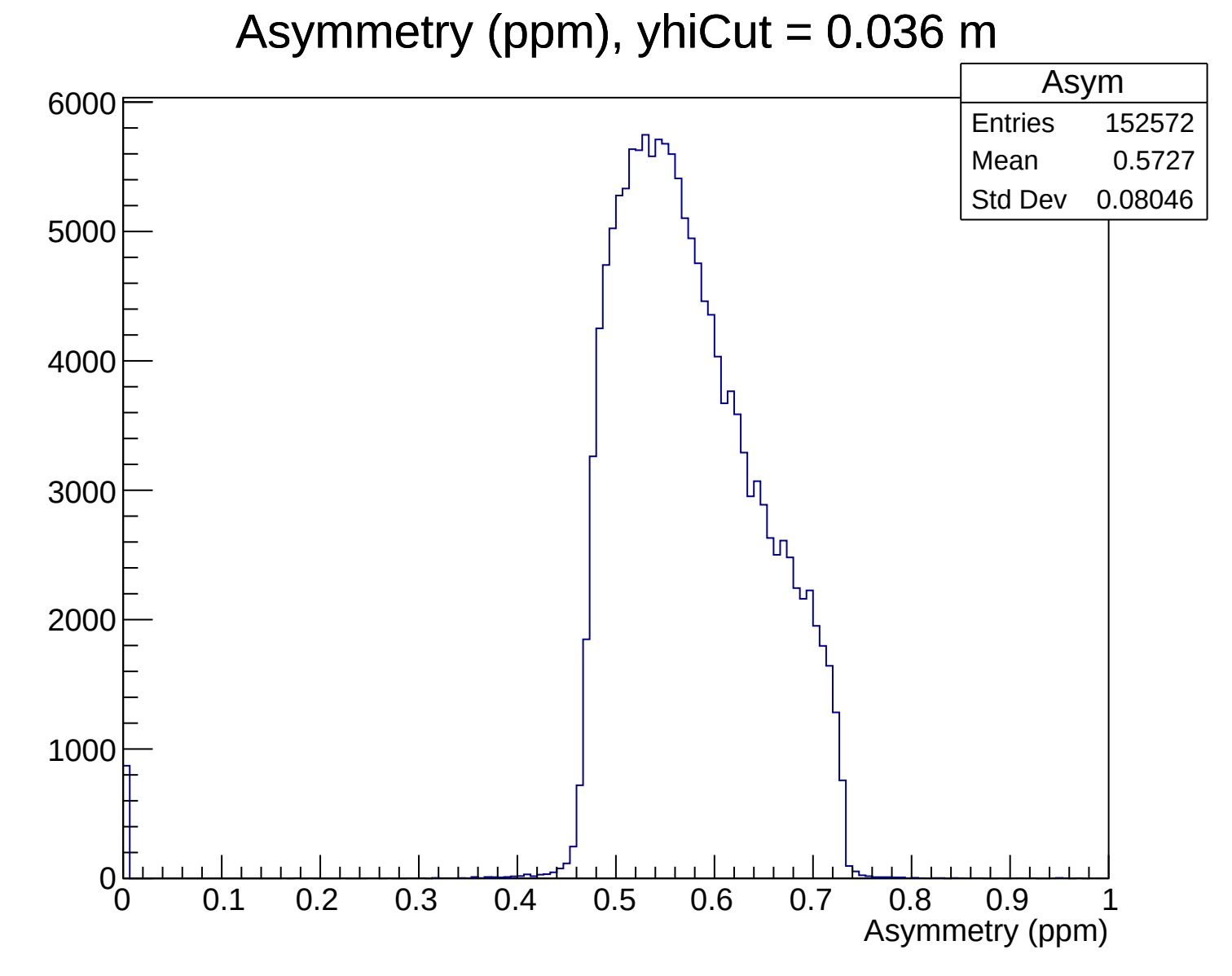

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

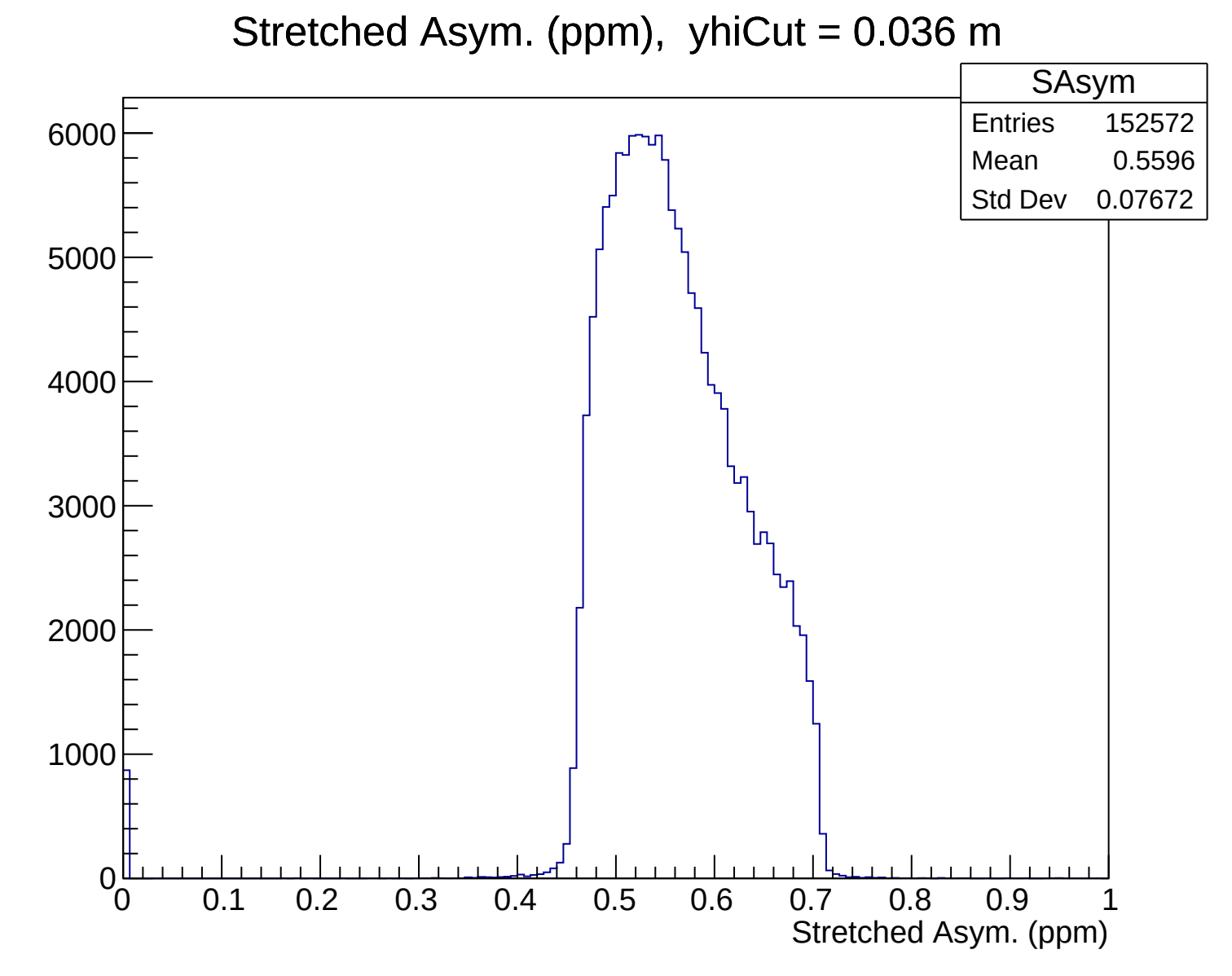

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.036
R.tr.y[0]+1.3*R.tr.ph[0] (m)

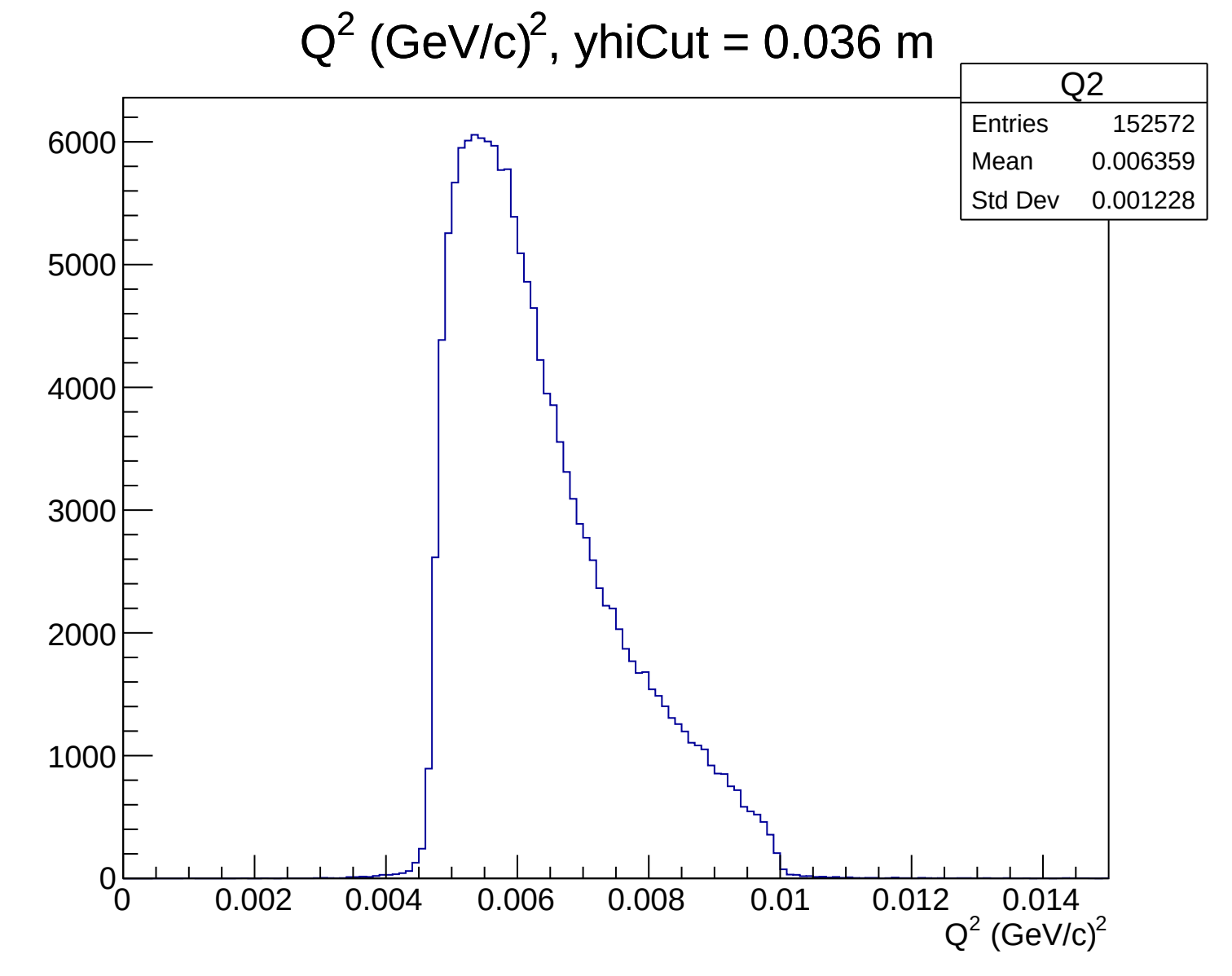

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

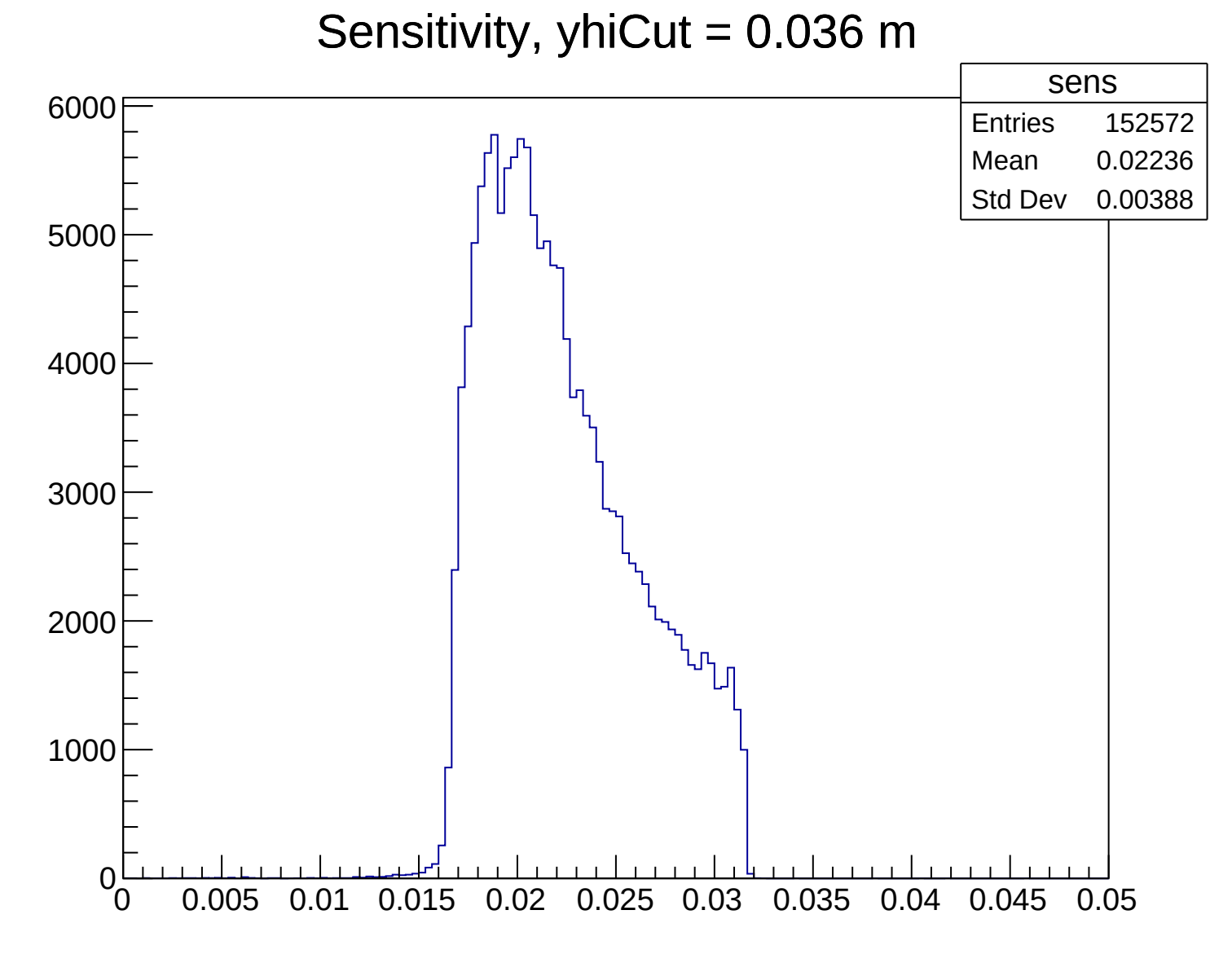

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

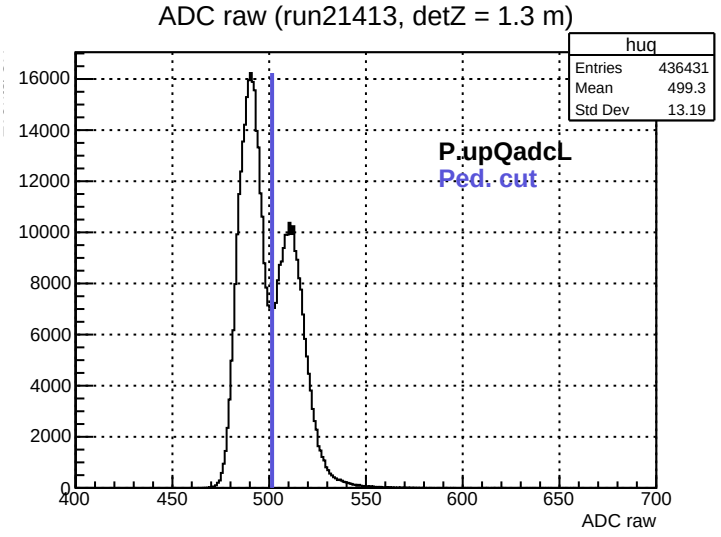

θlab (deg), yhiCut = 0.036 m
Theta
Entries 152572
Mean 4.797
Std Dev 0.4532
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

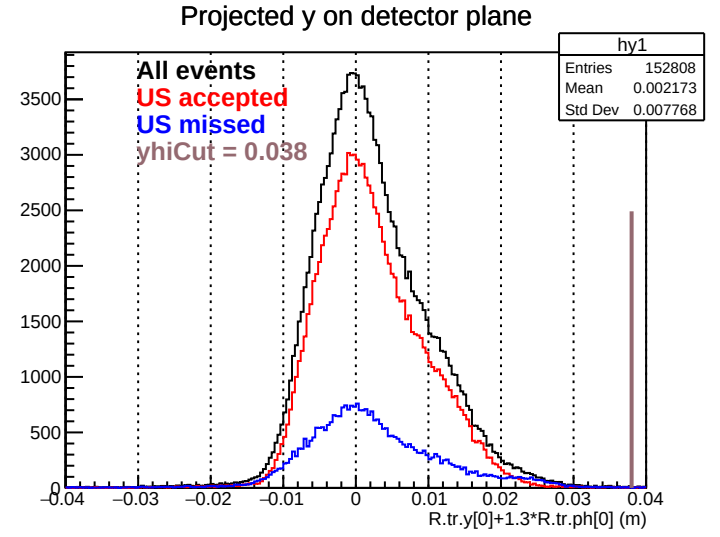

Asymmetry (ppm), yhiCut = 0.036 m
Asym
Entries 152572
Mean 0.5727
Std Dev 0.08046
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

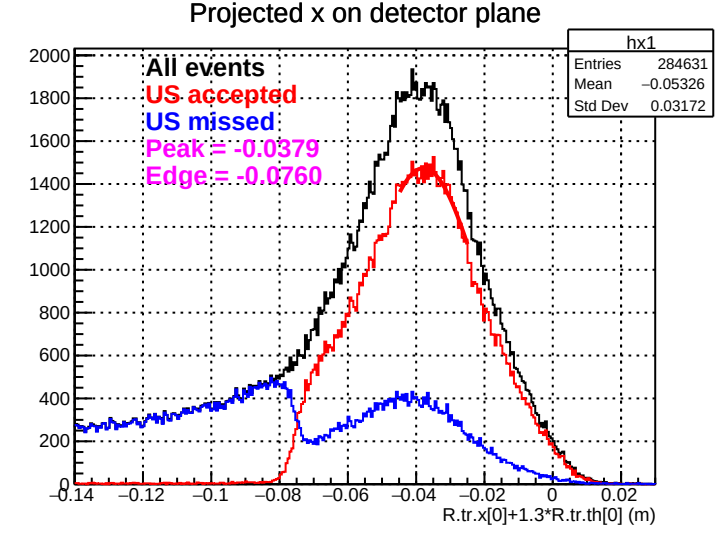

Stretched Asym. (ppm), yhiCut = 0.036 m
SAsym
Entries 152572
Mean 0.5596
Std Dev 0.07672
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

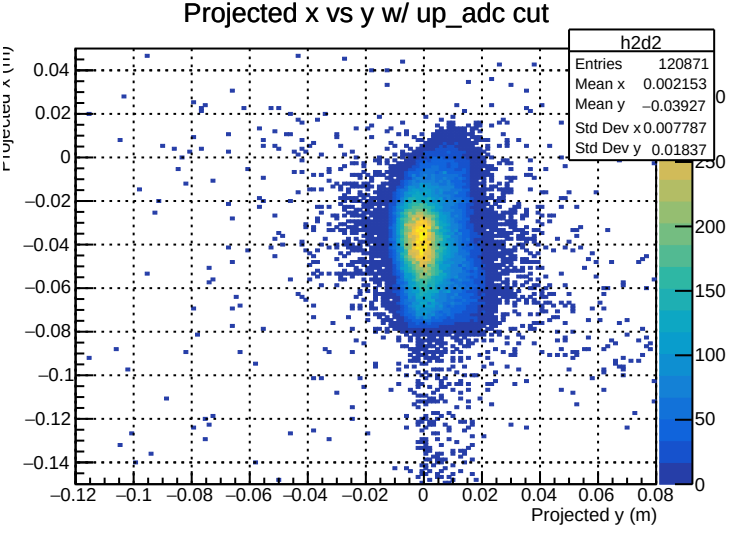

$Q^2$ (GeV/c)$^2$, yhiCut = 0.036 m
Q2
Entries 152572
Mean 0.006359
Std Dev 0.001228
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

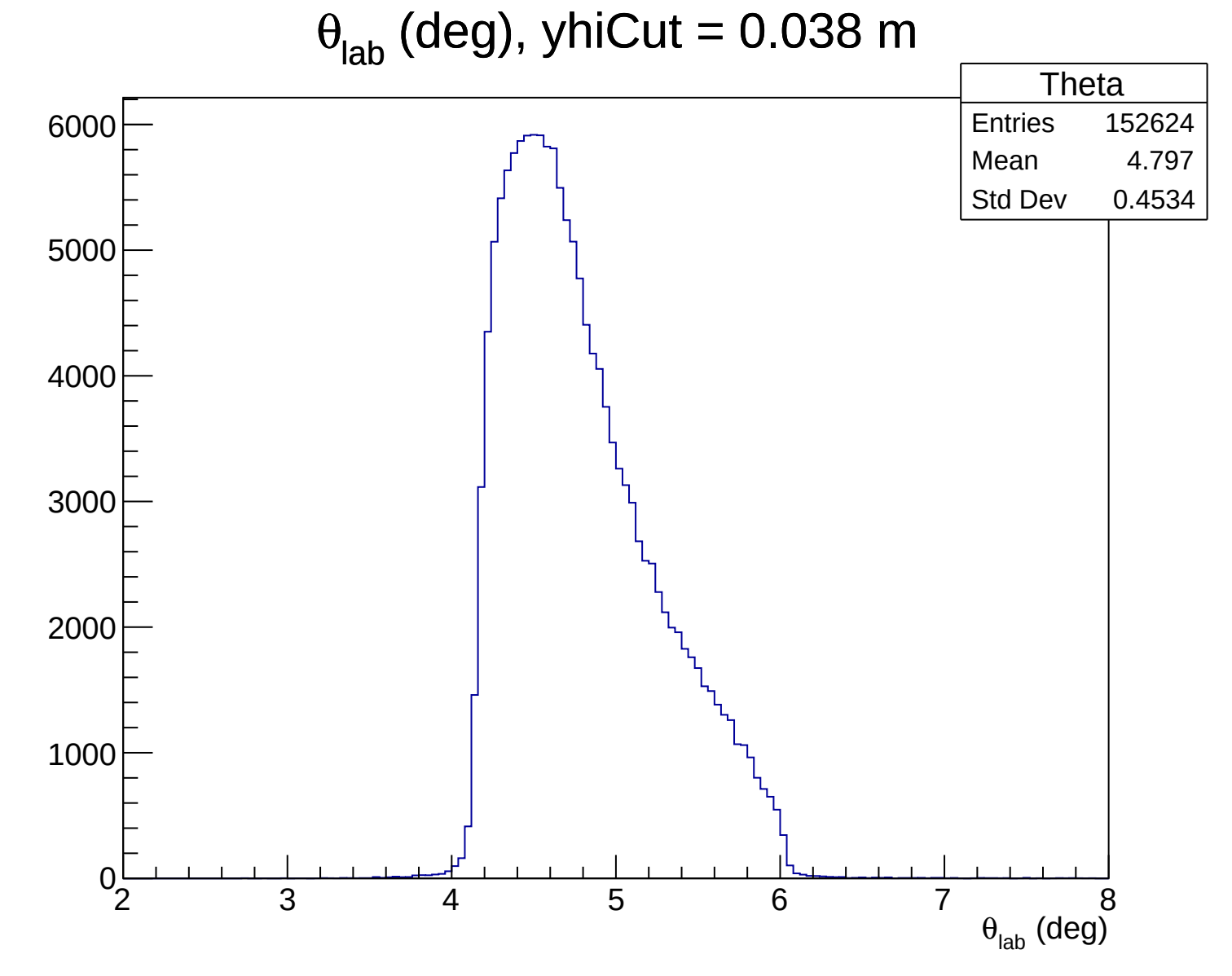

Sensitivity, yhiCut = 0.036 m
sens
Entries 152572
Mean 0.02236
Std Dev 0.00388
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

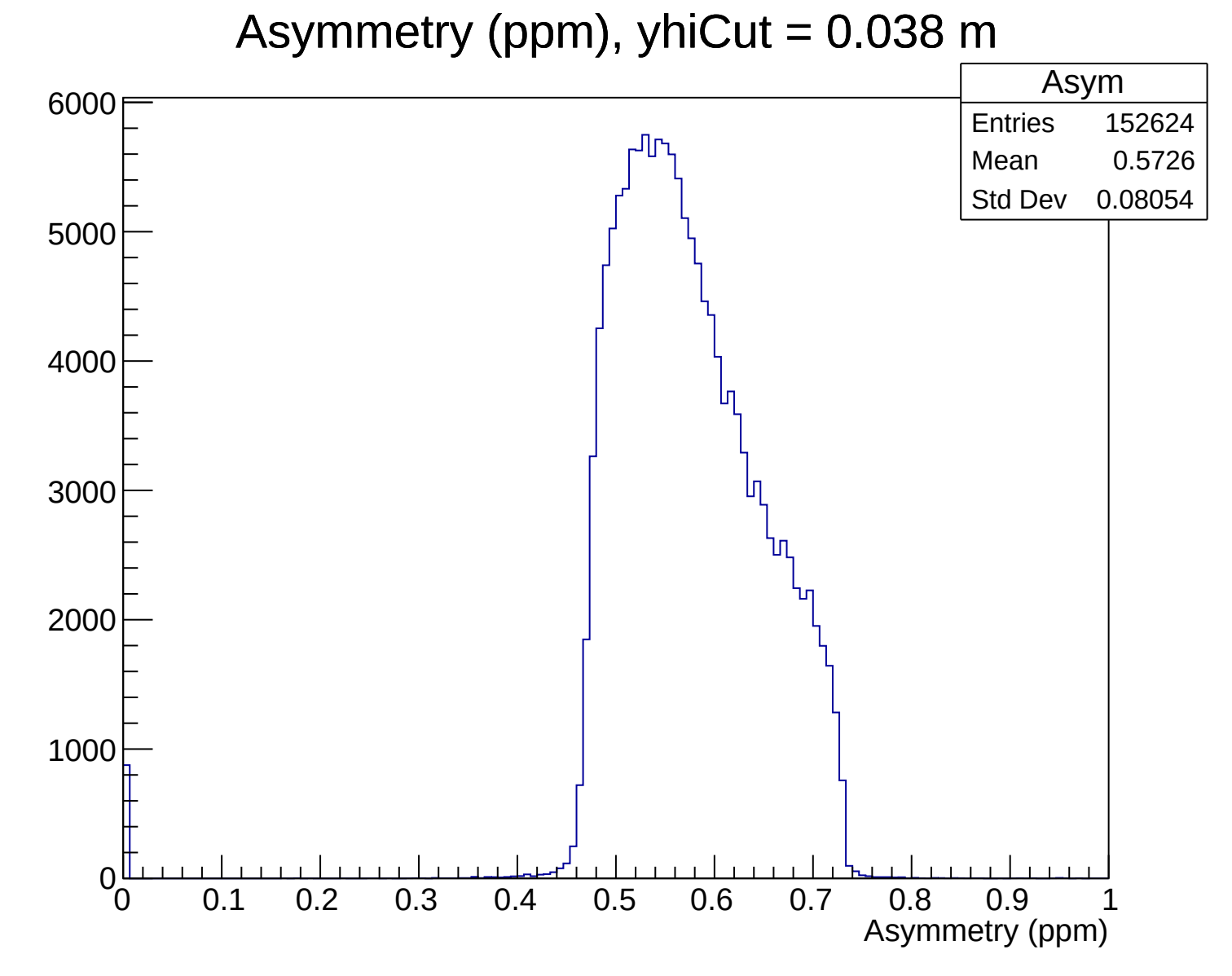

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

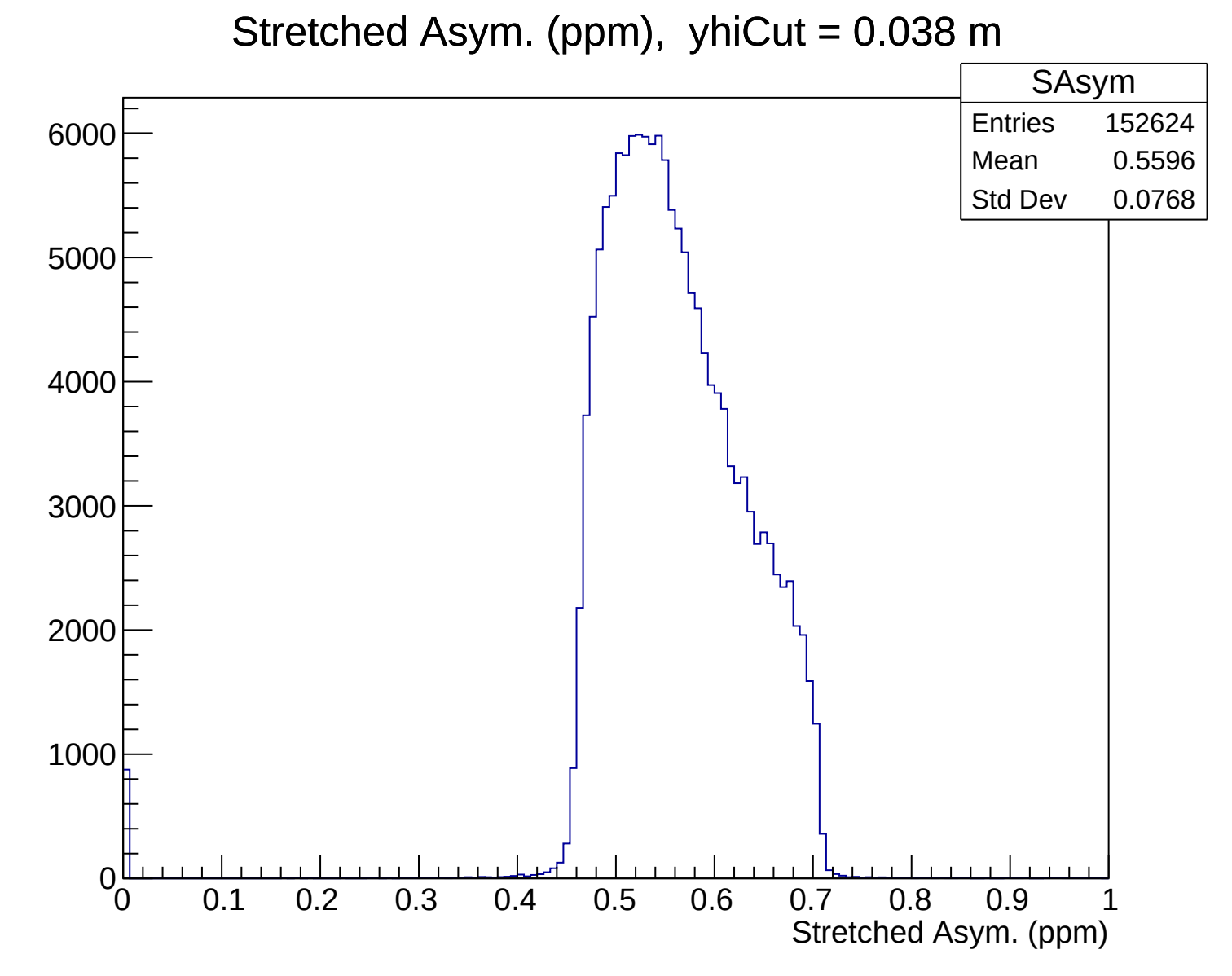

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.038
R.tr.y[0]+1.3*R.tr.ph[0] (m)

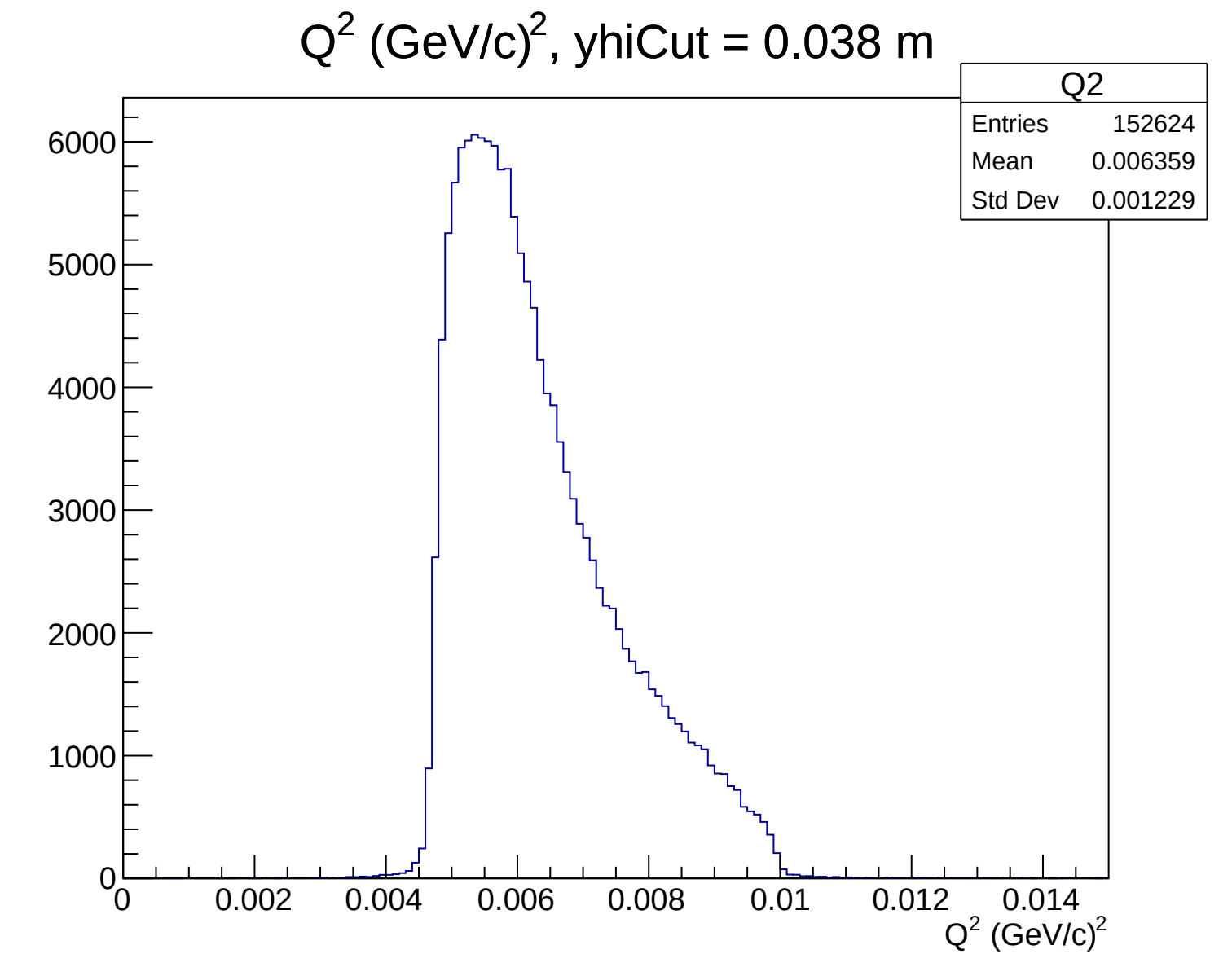

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

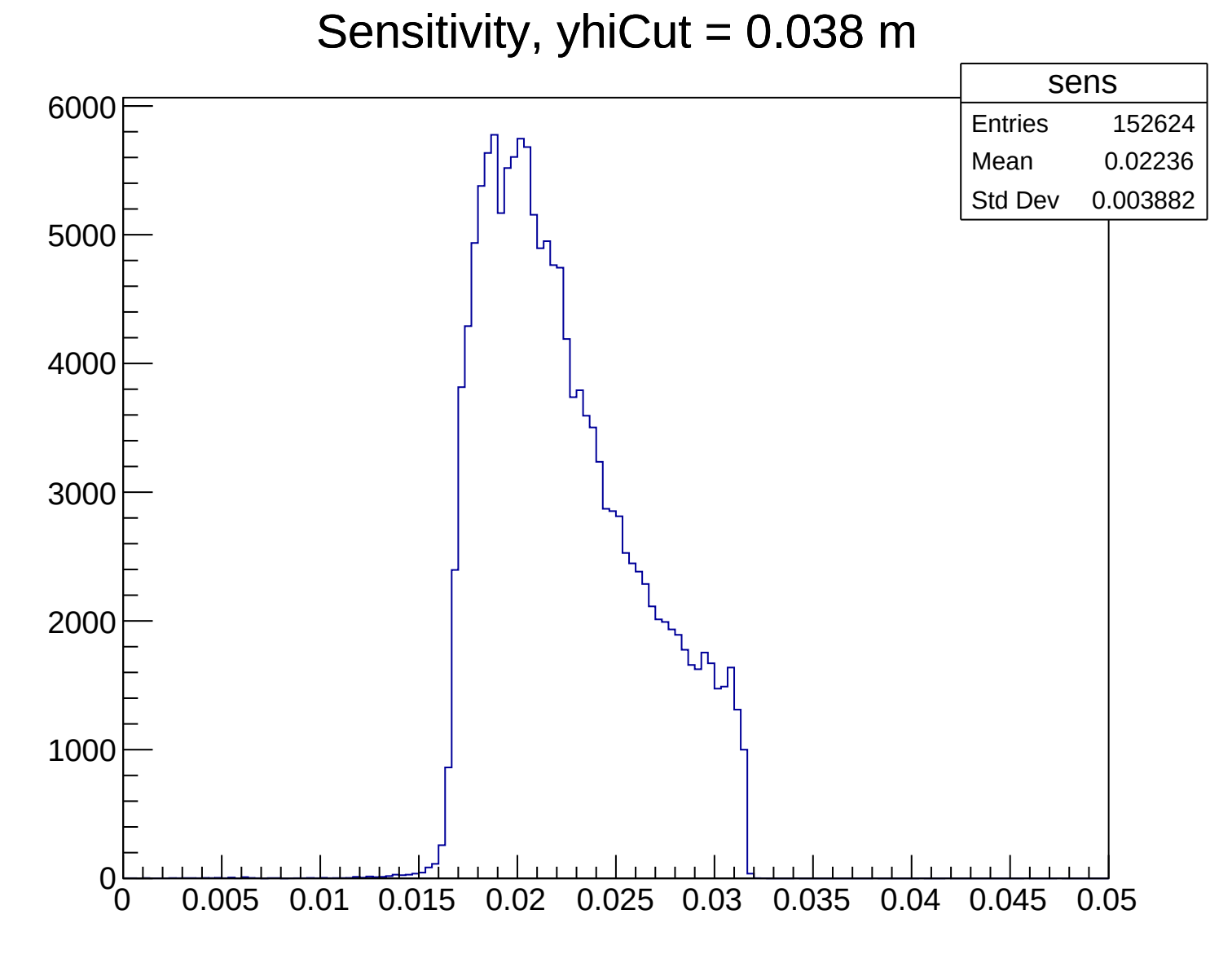

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

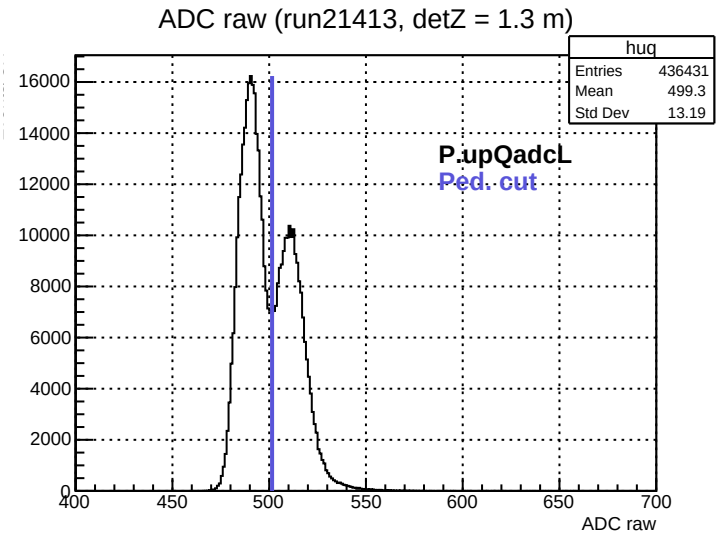

θlab (deg), yhiCut = 0.038 m
Theta
Entries 152624
Mean 4.797
Std Dev 0.4534
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

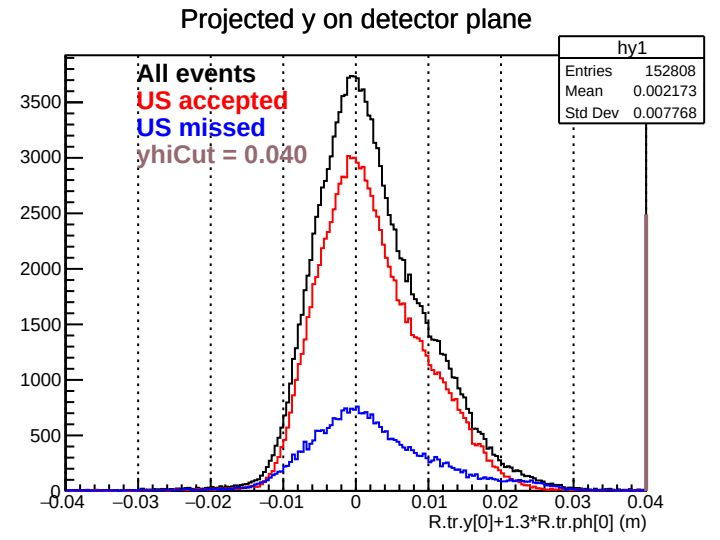

Asymmetry (ppm), yhiCut = 0.038 m
Asym
Entries 152624
Mean 0.5726
Std Dev 0.08054
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

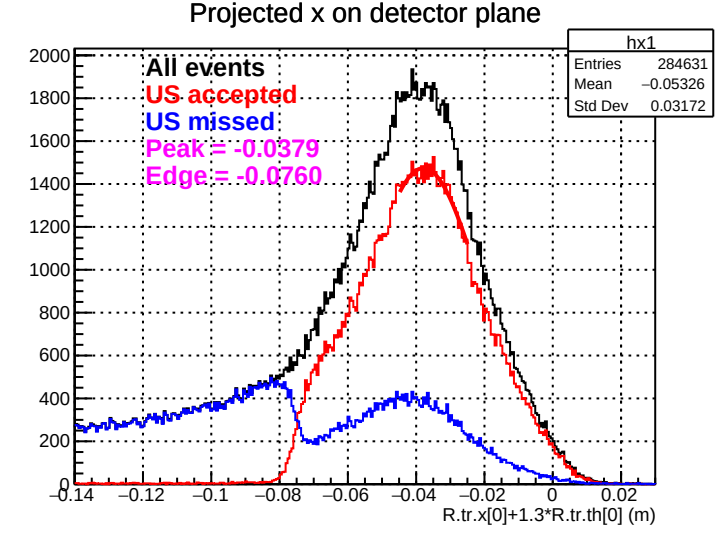

Stretched Asym. (ppm), yhiCut = 0.038 m
SAsym
Entries 152624
Mean 0.5596
Std Dev 0.0768
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

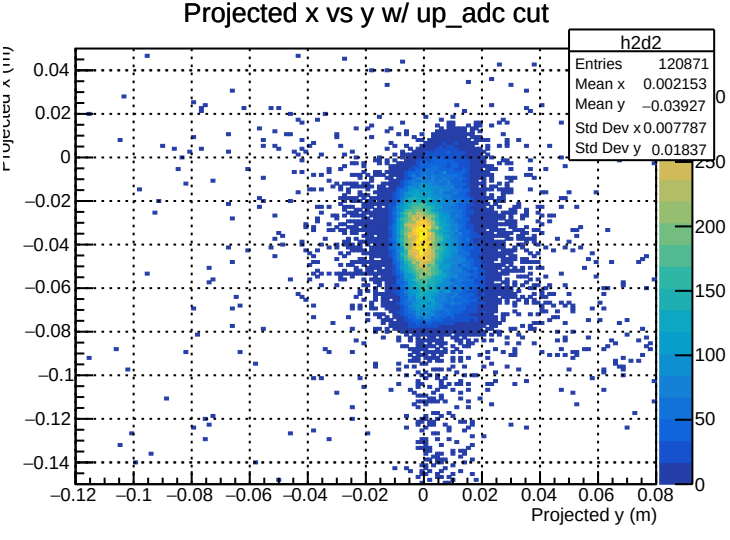

$Q^2$ (GeV/c)$^2$, yhiCut = 0.038 m
Q2
Entries 152624
Mean 0.006359
Std Dev 0.001229
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

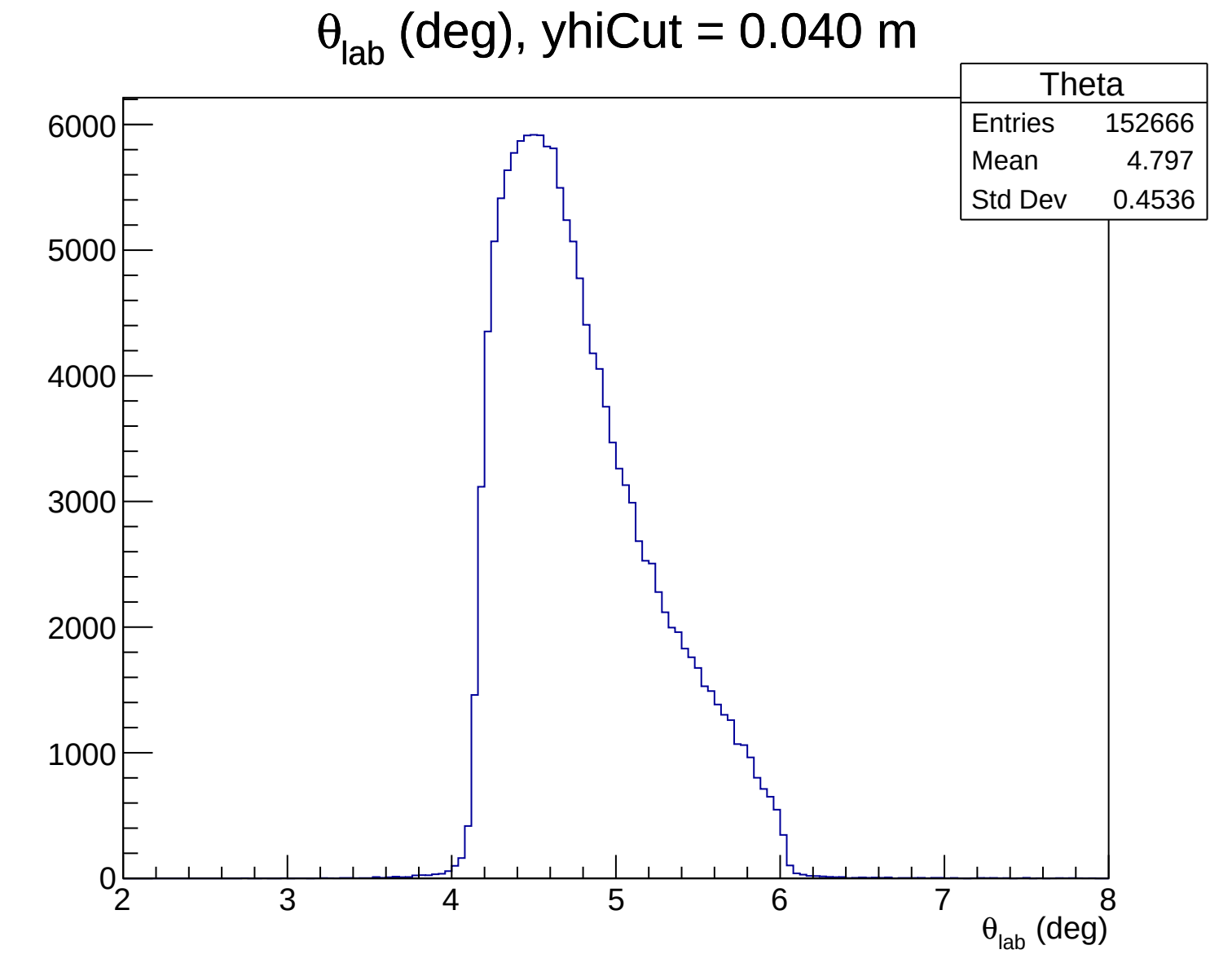

Sensitivity, yhiCut = 0.038 m
sens
Entries 152624
Mean 0.02236
Std Dev 0.003882
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

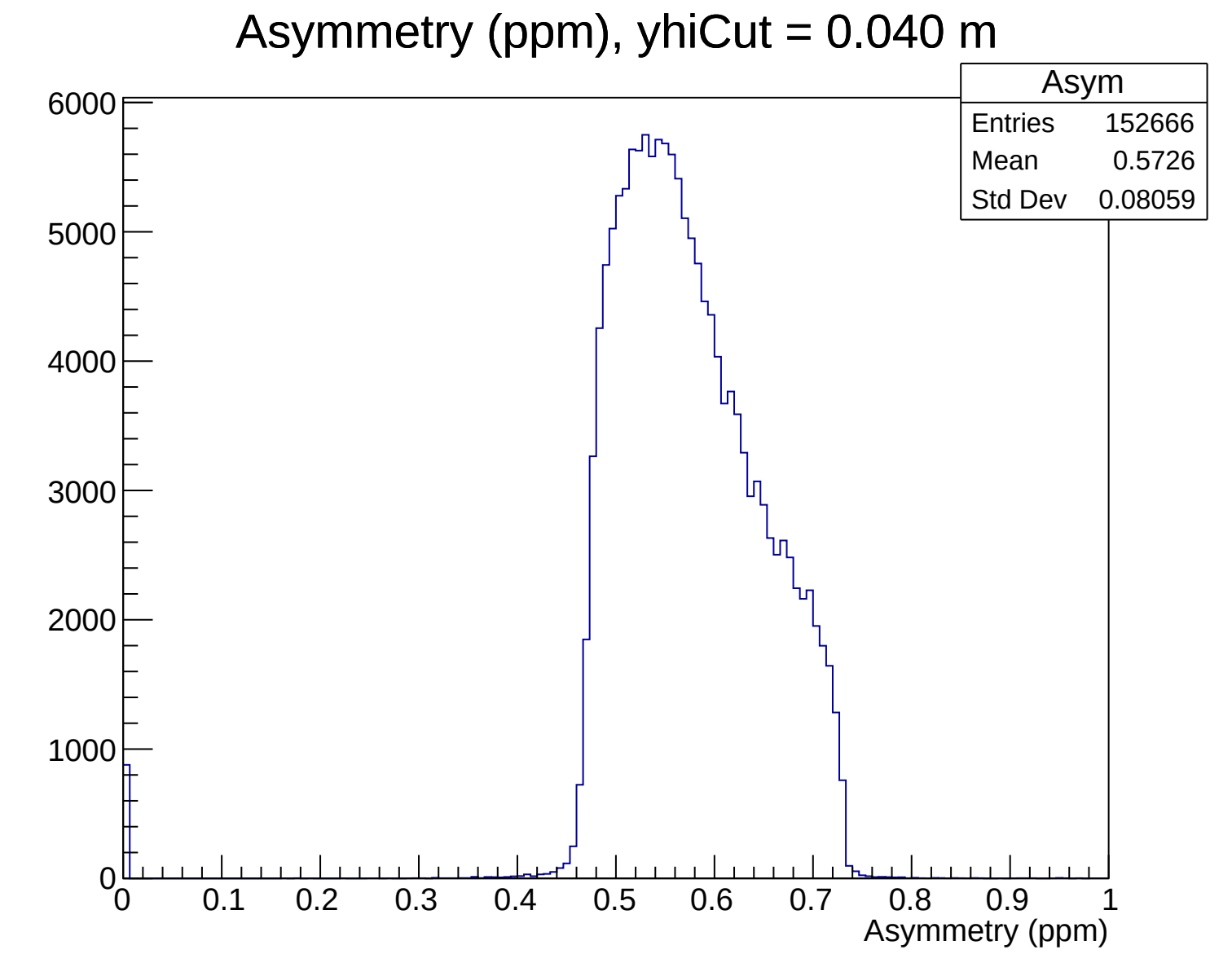

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcL
Ped. cut
ADC raw

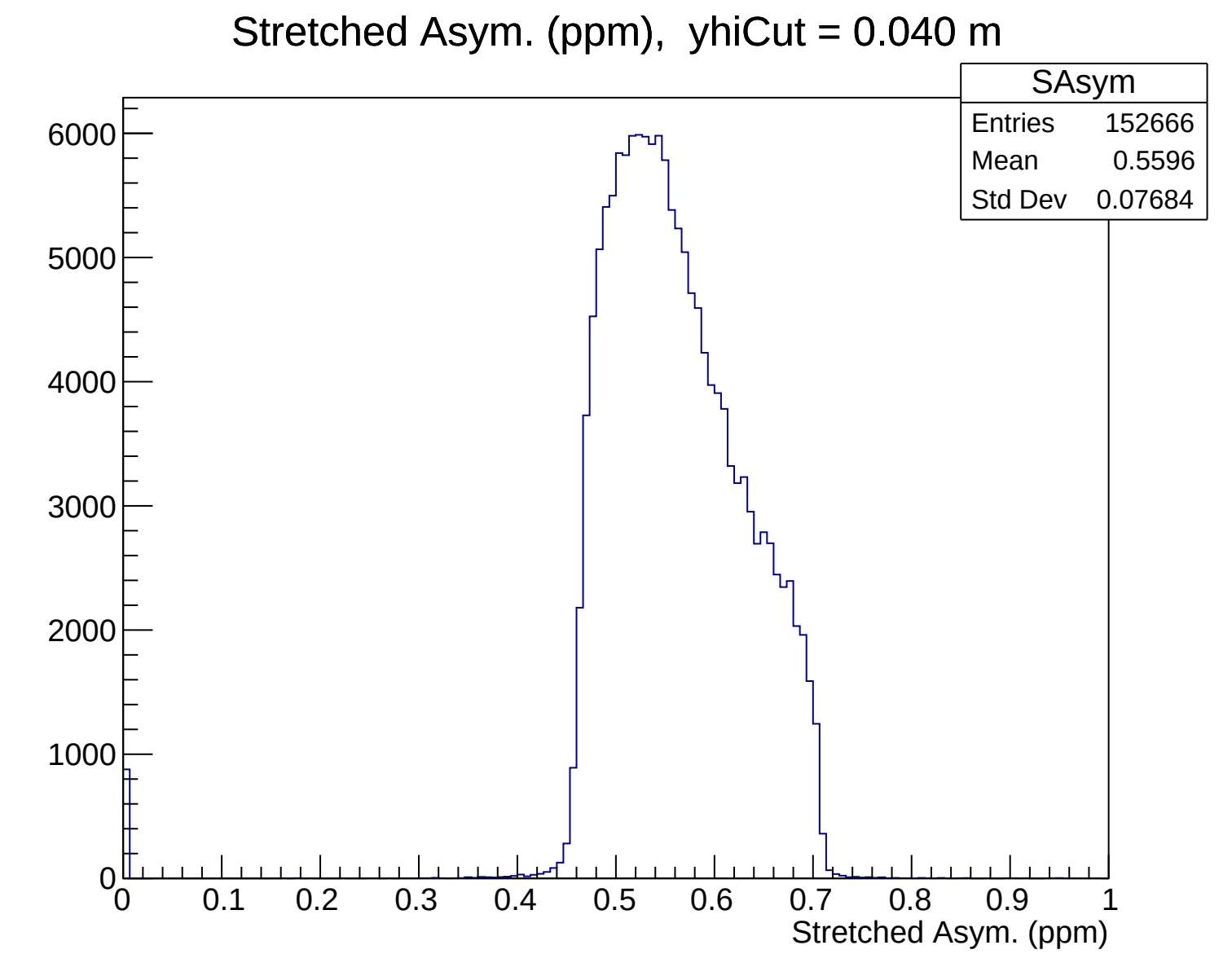

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
yhiCut = 0.040
R.tr.y[0]+1.3*R.tr.ph[0] (m)

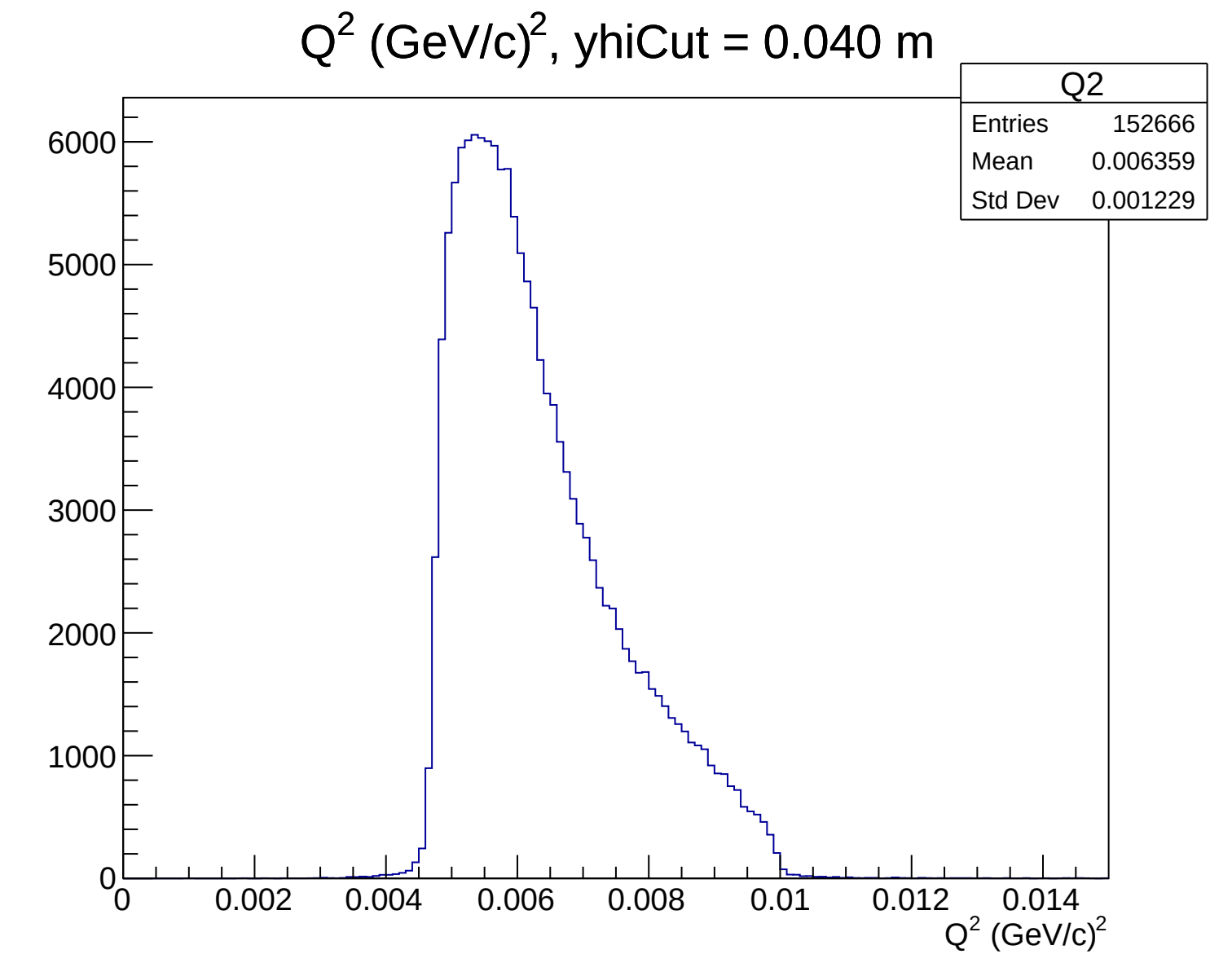

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

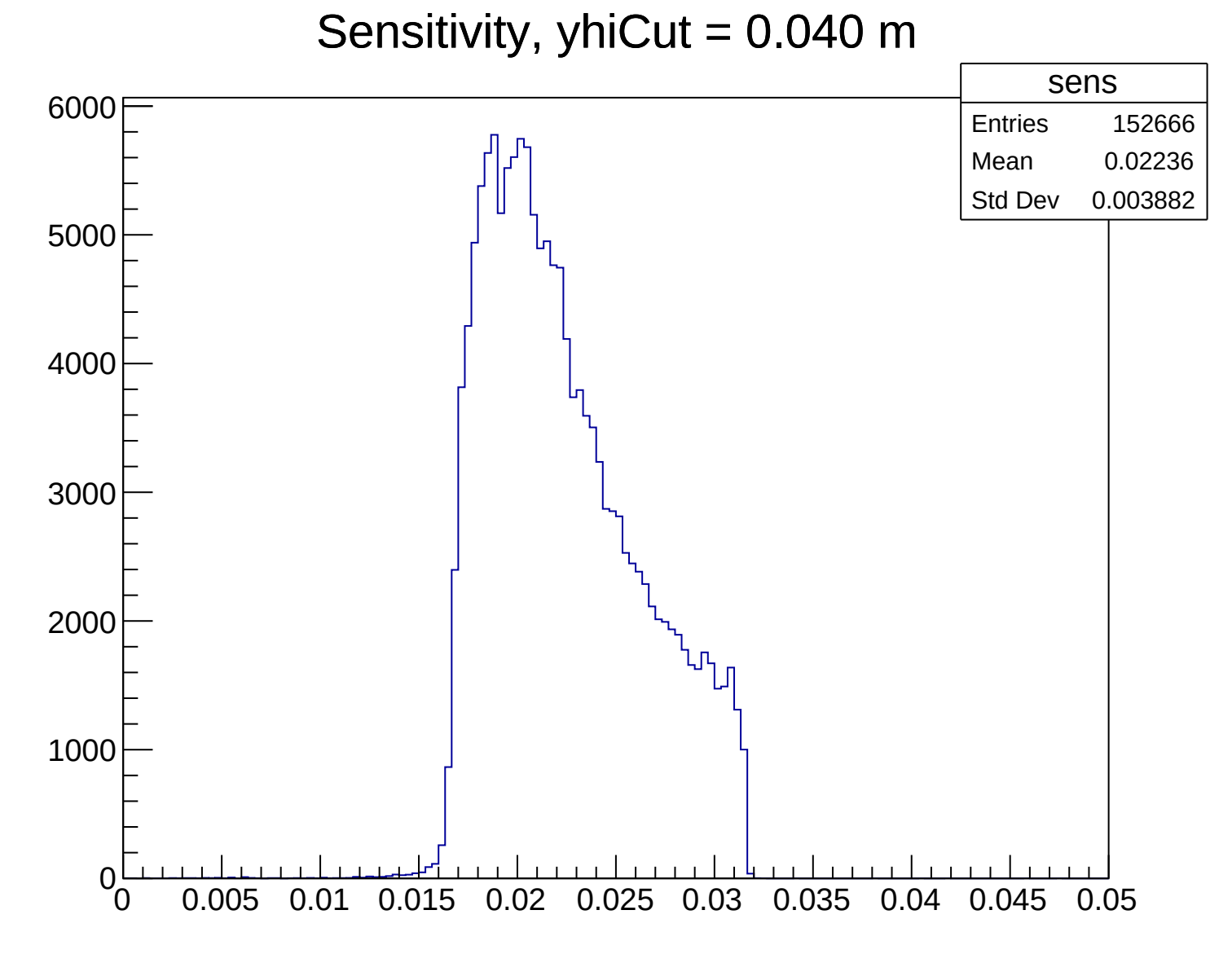

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)


θlab (deg), yhiCut = 0.040 m
Theta
Entries 152666
Mean 4.797
Std Dev 0.4536
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), yhiCut = 0.040 m
Asym
Entries 152666
Mean 0.5726
Std Dev 0.08059
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 = 0.040 m
SAsym
Entries 152666
Mean 0.5596
Std Dev 0.07684
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 = 0.040 m
Q2
Entries 152666
Mean 0.006359
Std Dev 0.001229
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 = 0.040 m
sens
Entries 152666
Mean 0.02236
Std Dev 0.003882
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