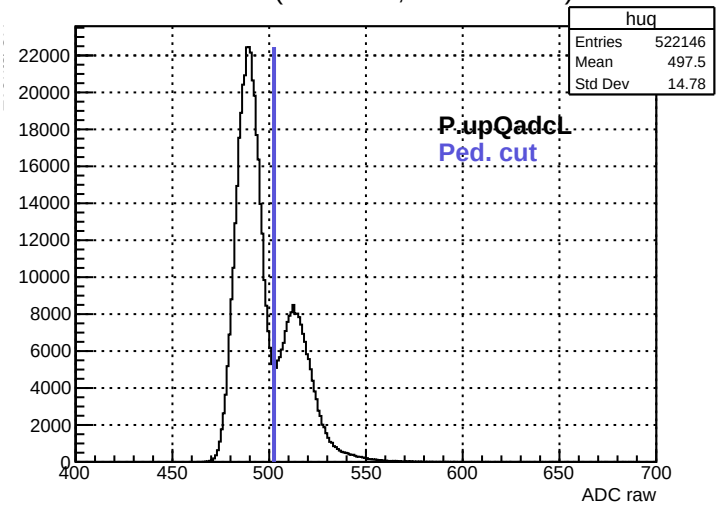
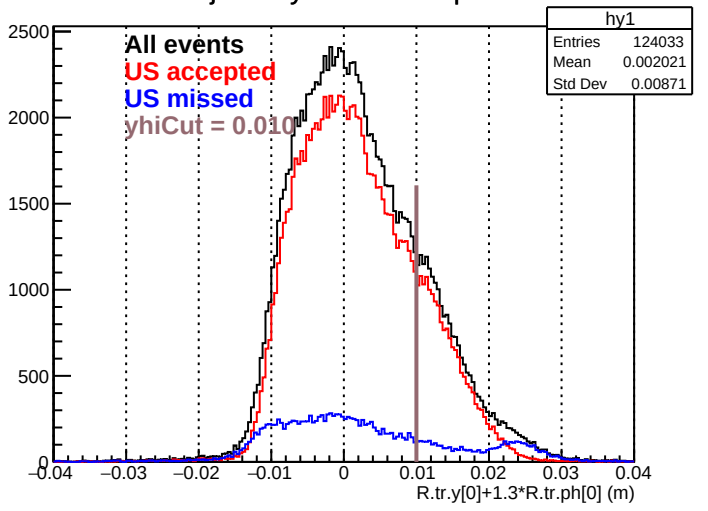
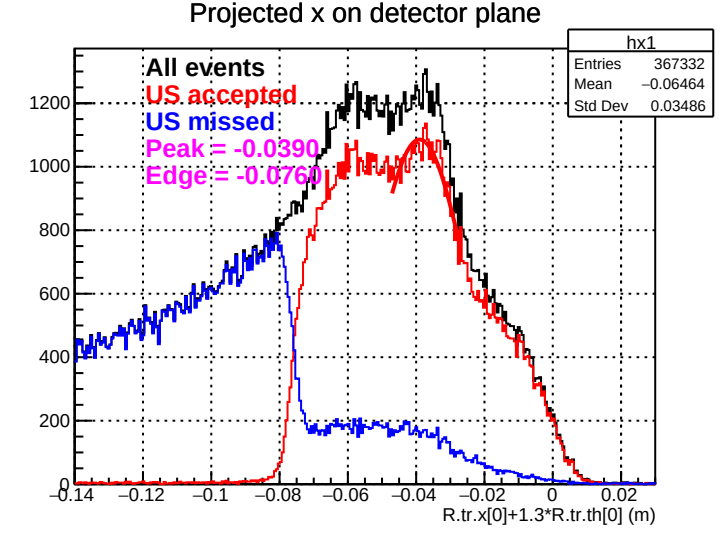
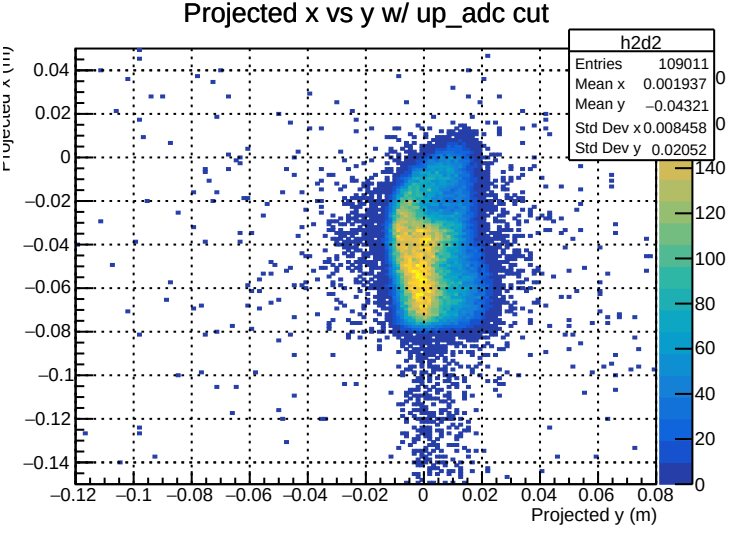
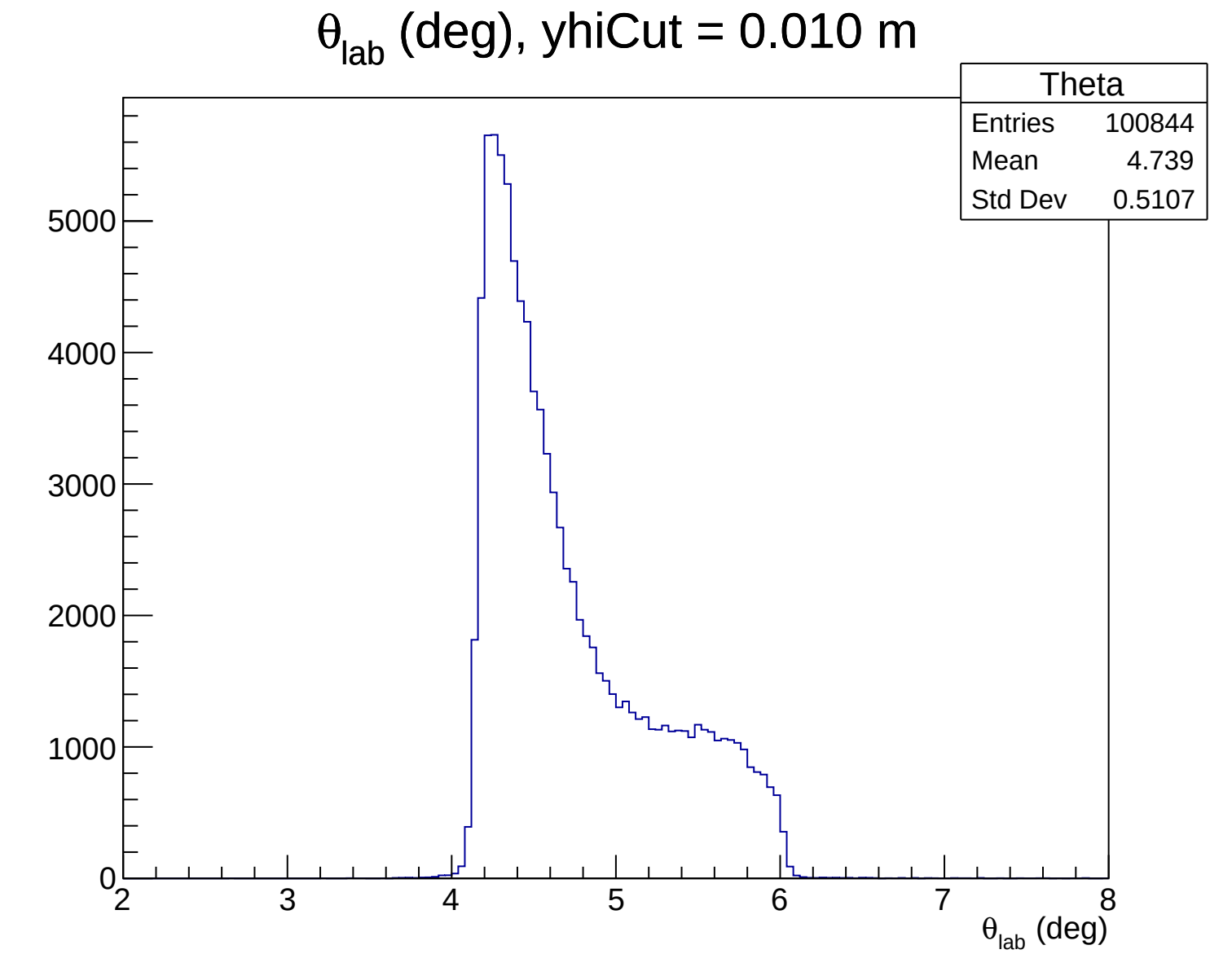
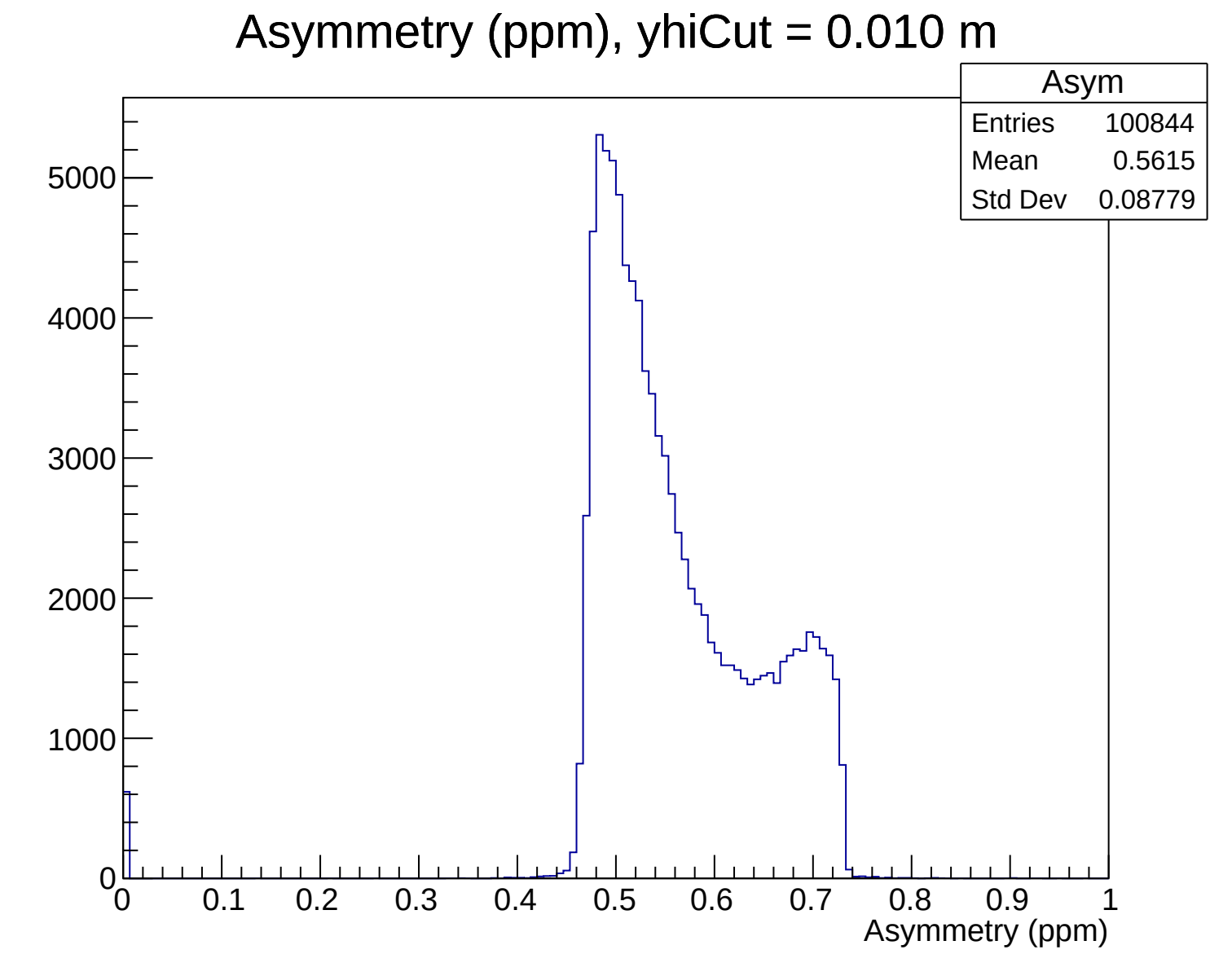

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

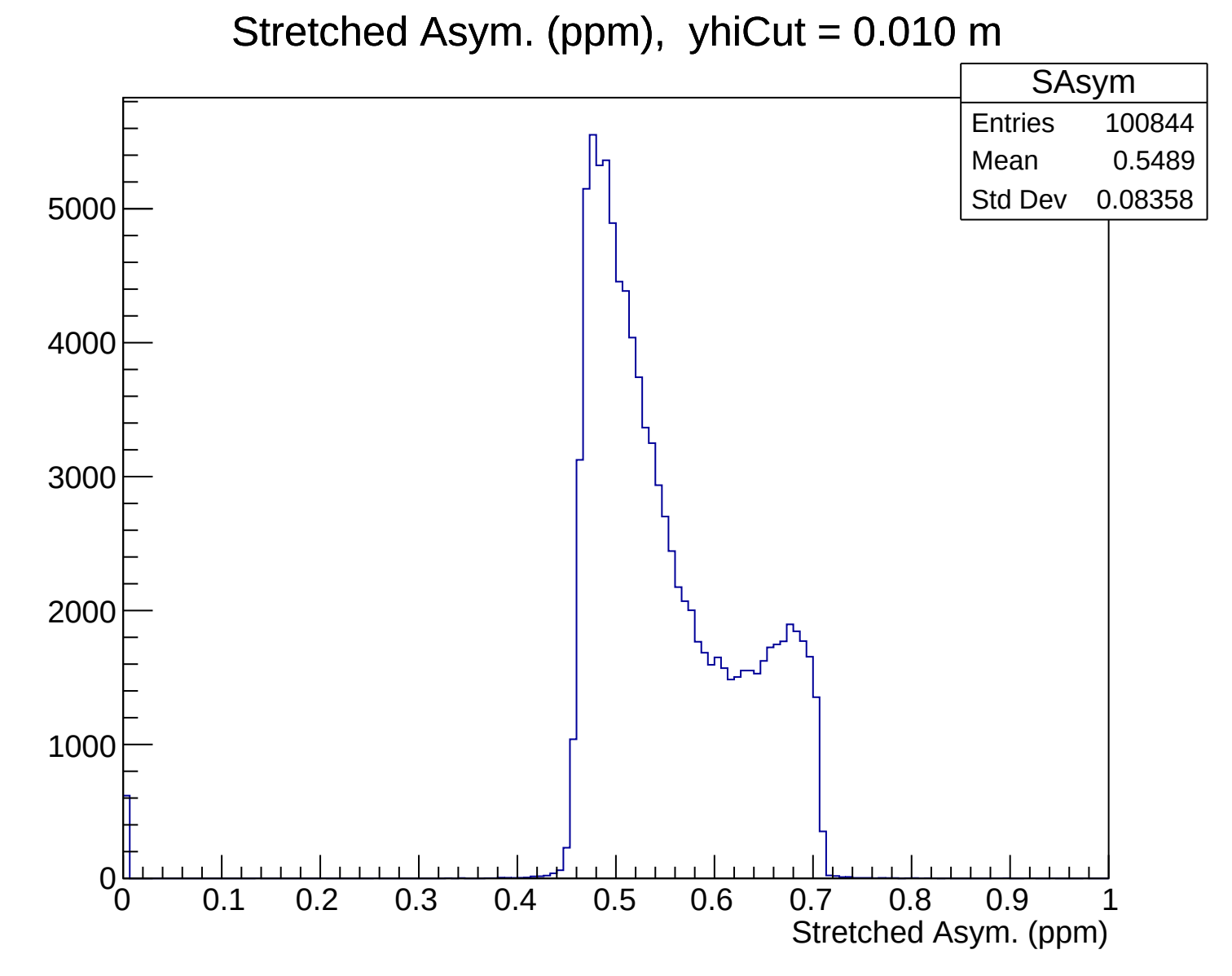

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.010
R.tr.y[0]+1.3*R.tr.ph[0] (m)

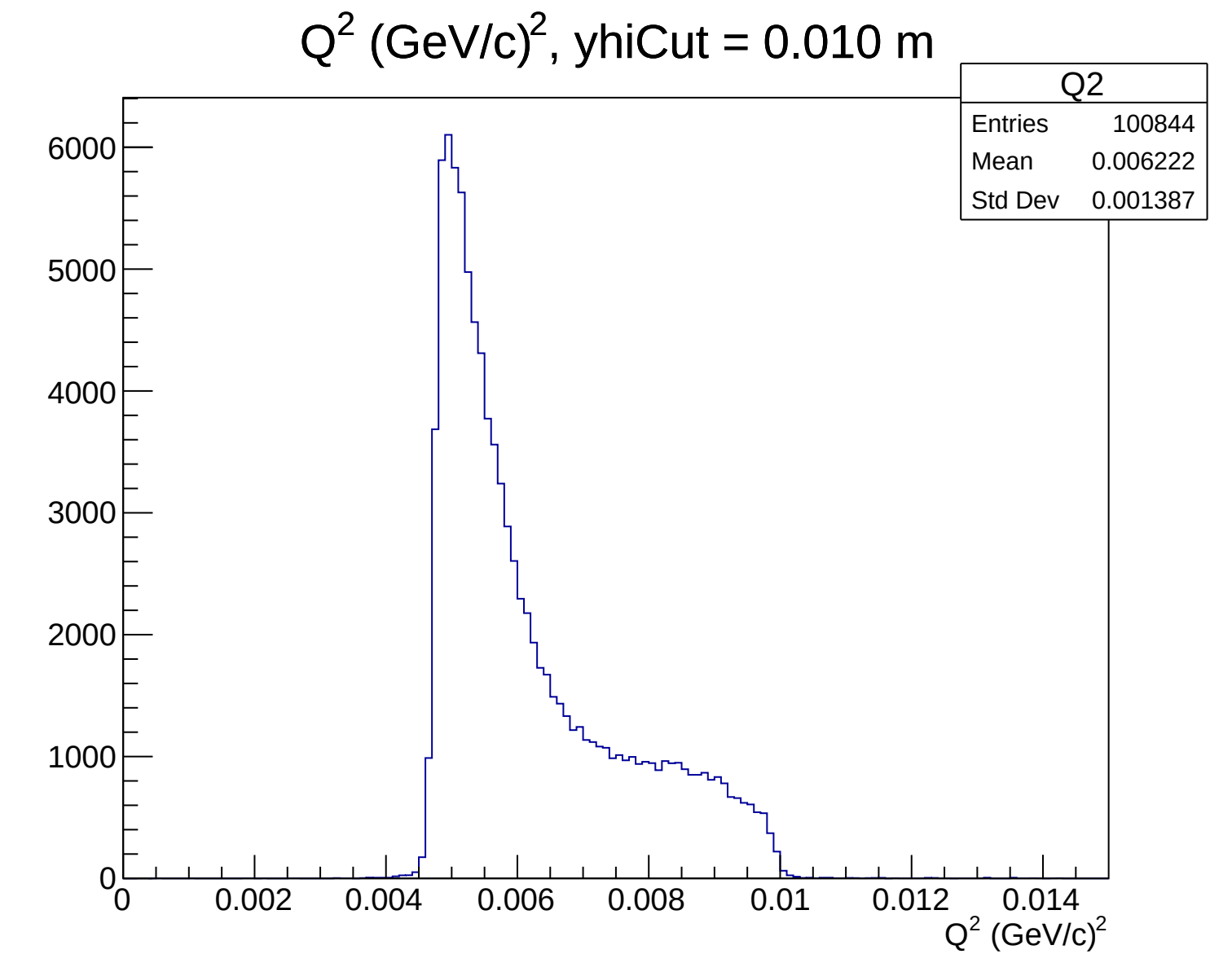

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

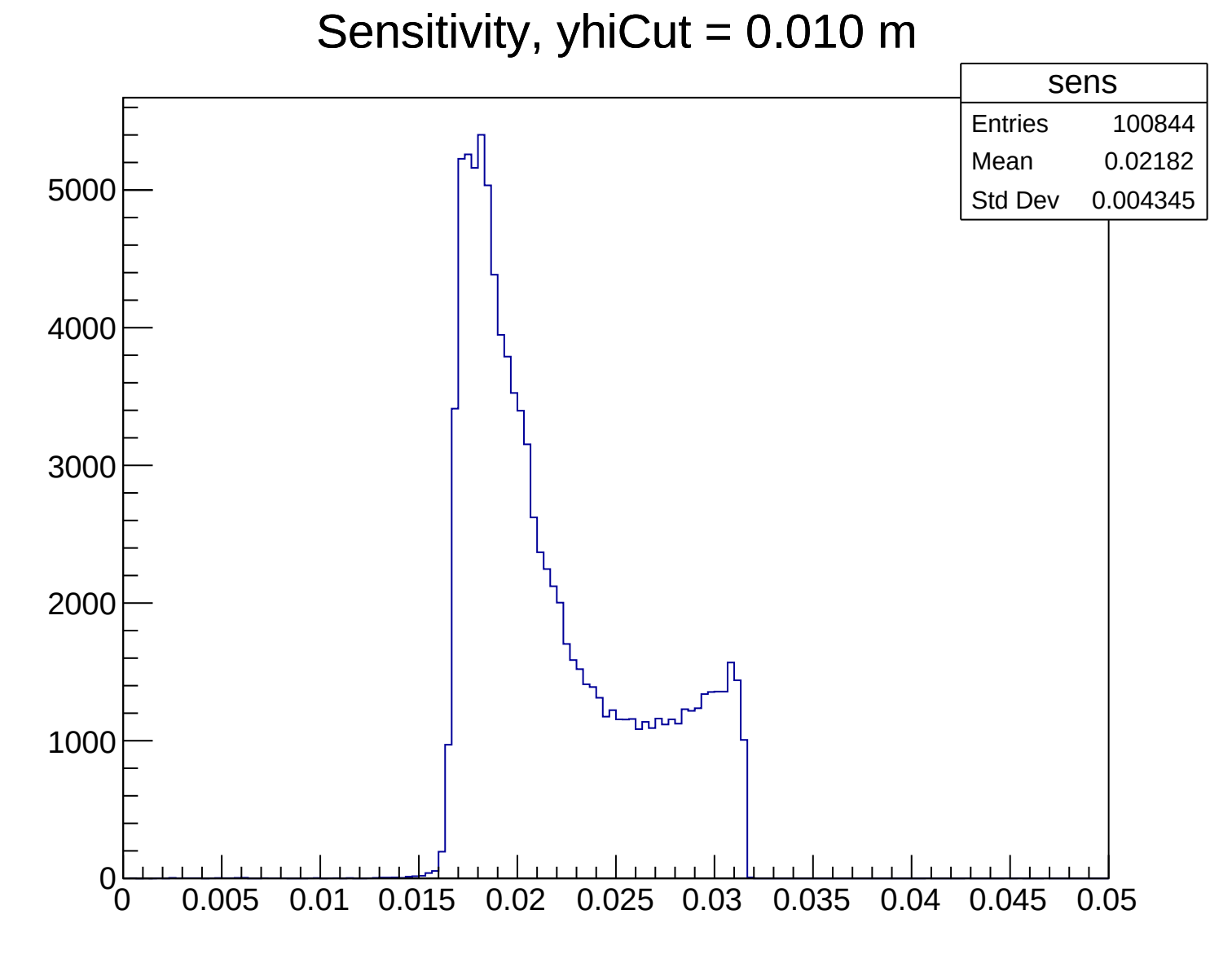

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

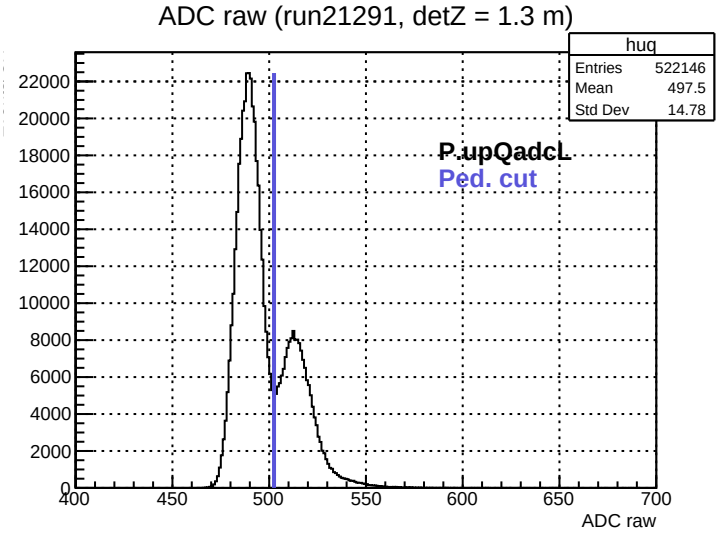

θlab (deg), yhiCut = 0.010 m
Theta
Entries 100844
Mean 4.739
Std Dev 0.5107
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

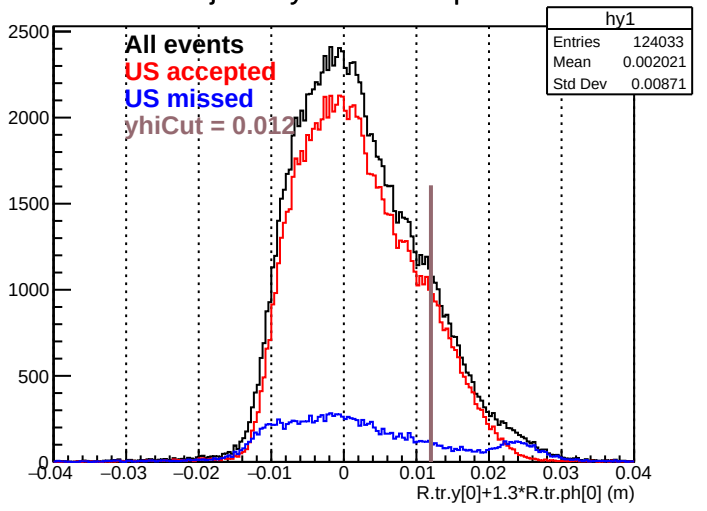

Asymmetry (ppm), yhiCut = 0.010 m
Asym
Entries 100844
Mean 0.5615
Std Dev 0.08779
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

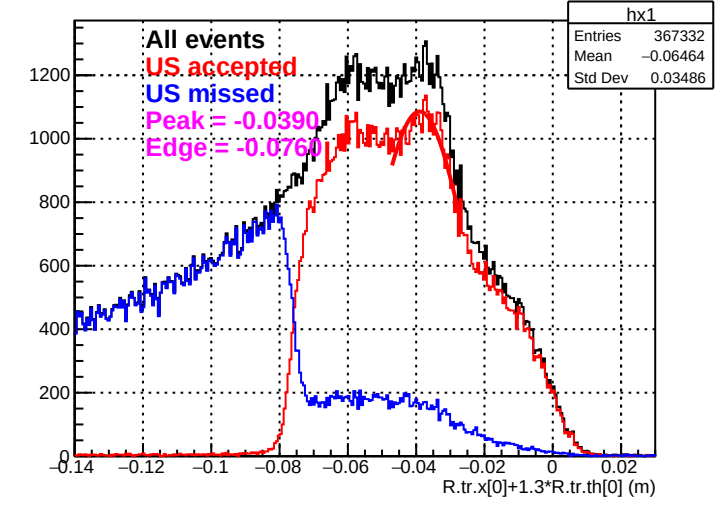

Stretched Asym. (ppm), yhiCut = 0.010 m
SAsym
Entries 100844
Mean 0.5489
Std Dev 0.08358
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

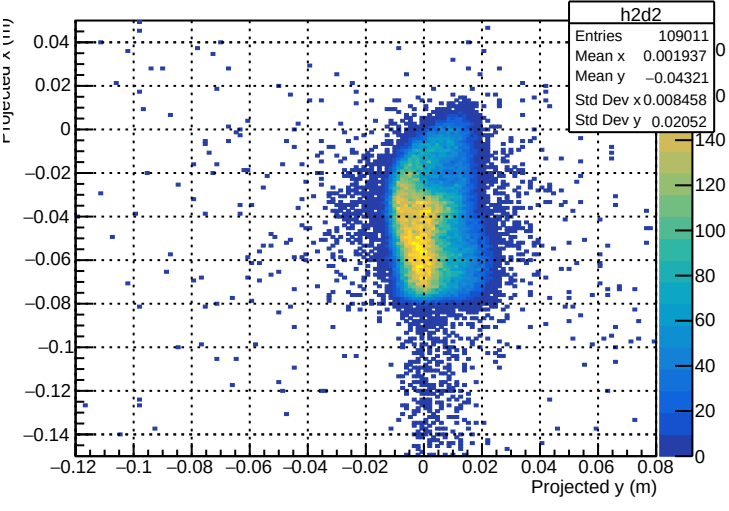

Q^2 (GeV/c)^2, yhiCut = 0.010 m
Q2
Entries 100844
Mean 0.006222
Std Dev 0.001387
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

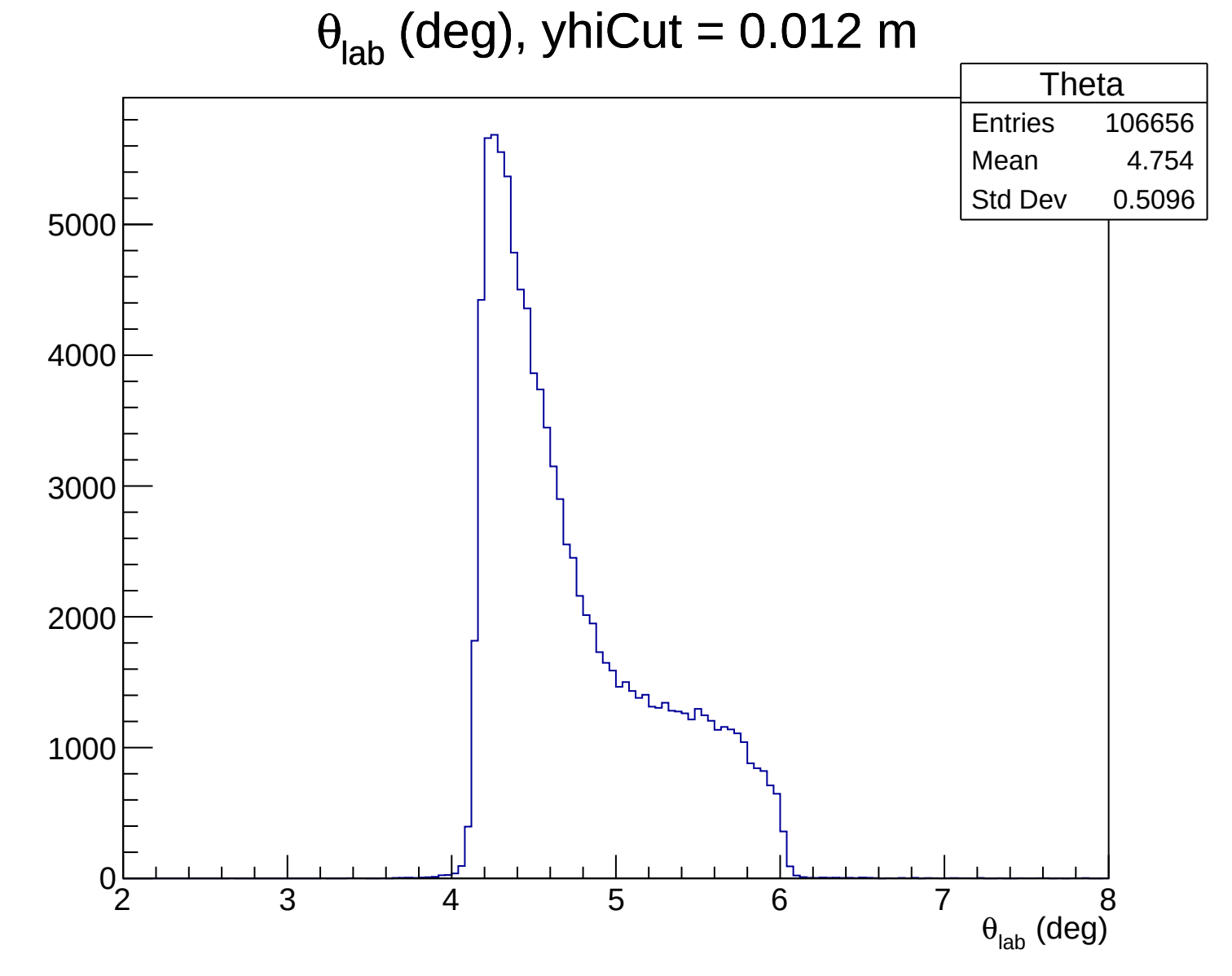

Sensitivity, yhiCut = 0.010 m
sens
Entries 100844
Mean 0.02182
Std Dev 0.004345
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

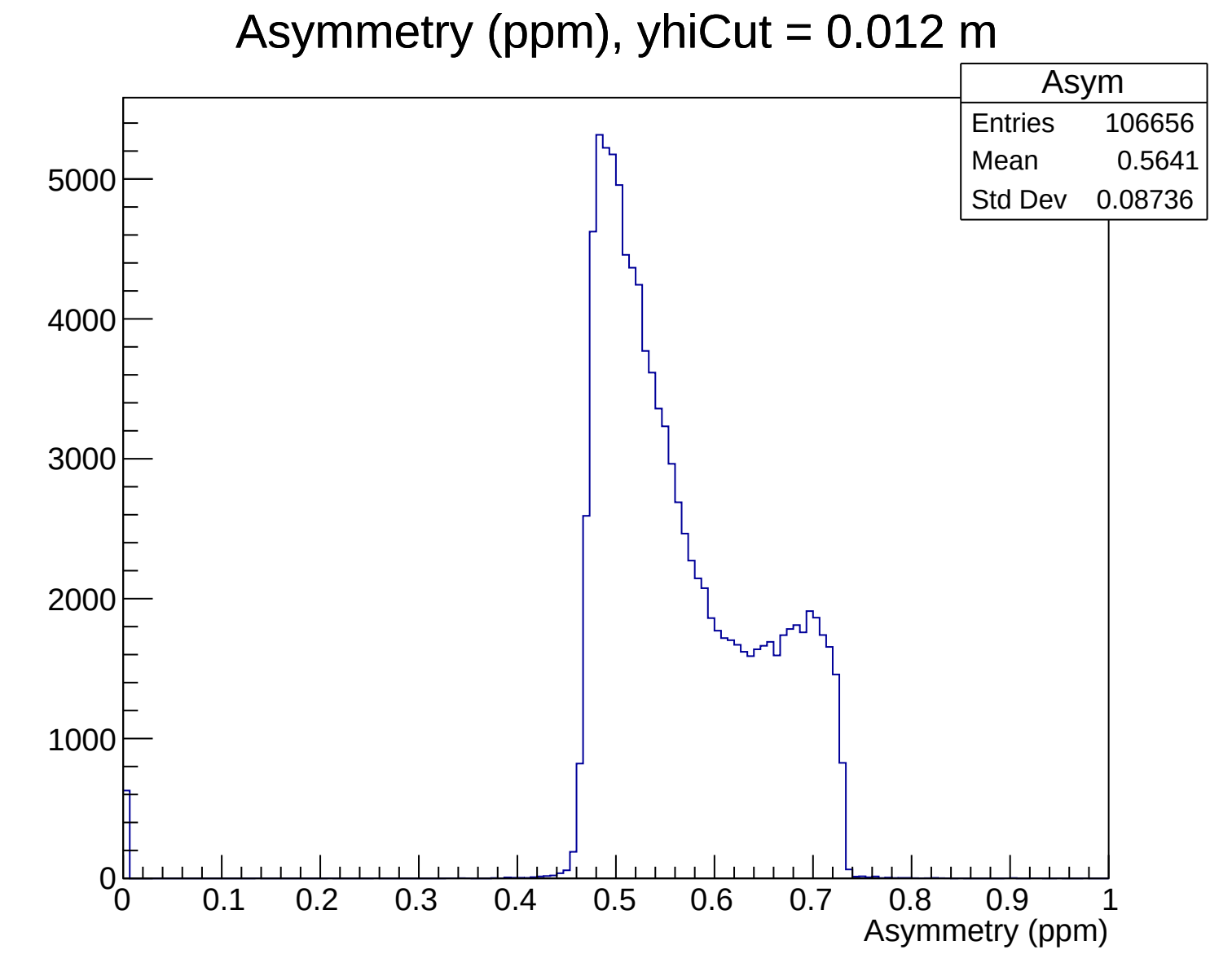

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

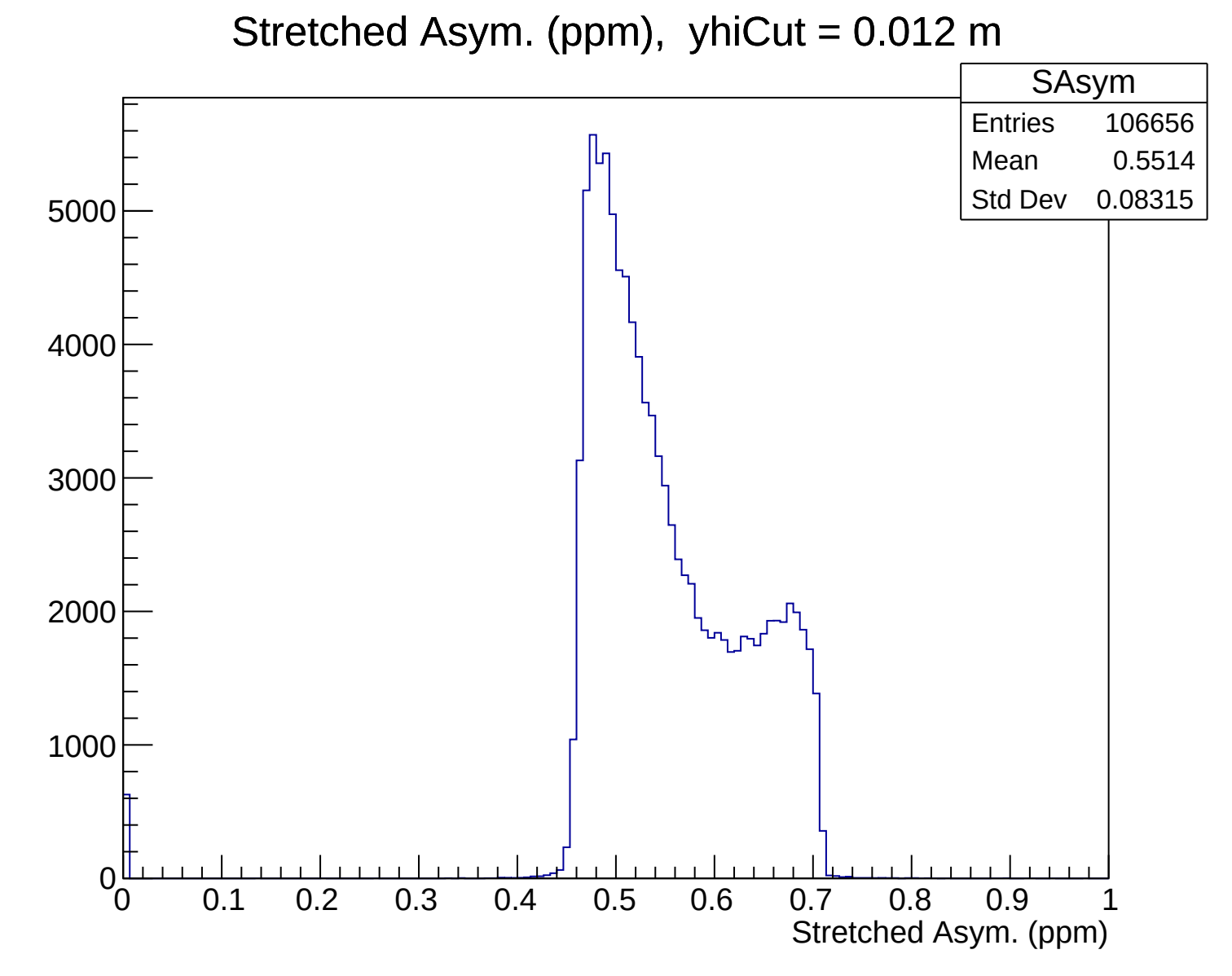

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.012
R.tr.y[0]+1.3*R.tr.ph[0] (m)

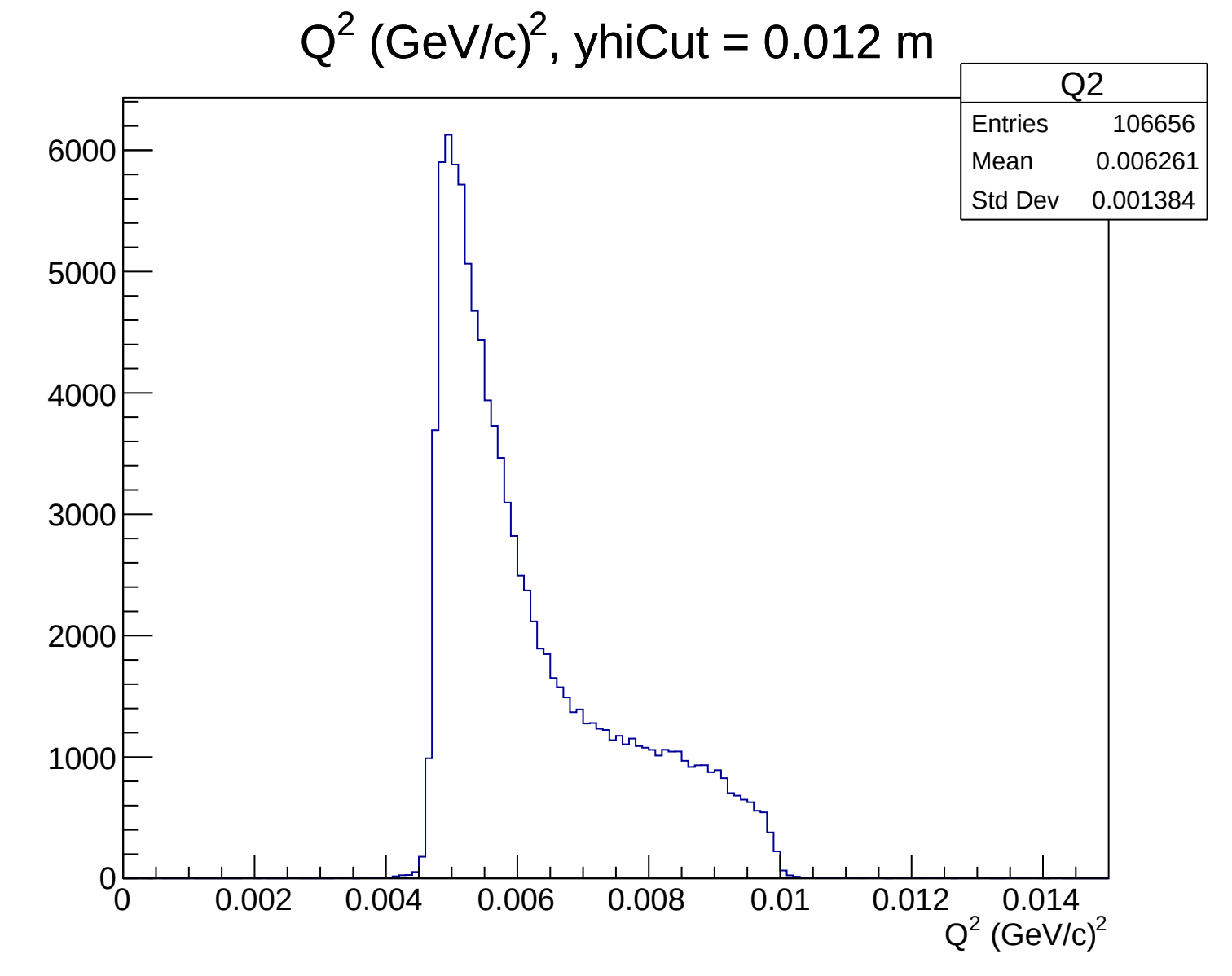

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

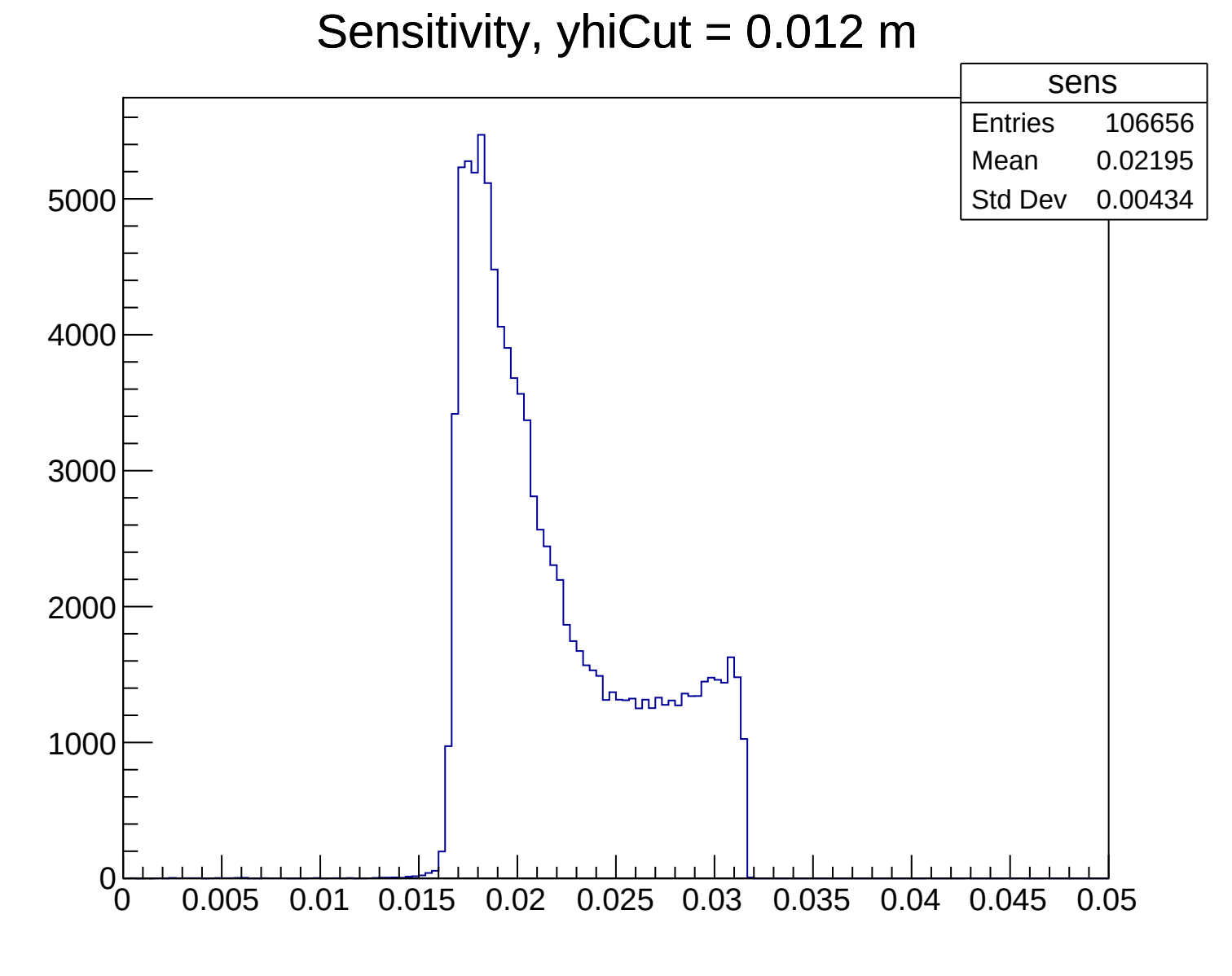

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected x (m)
Projected y (m)

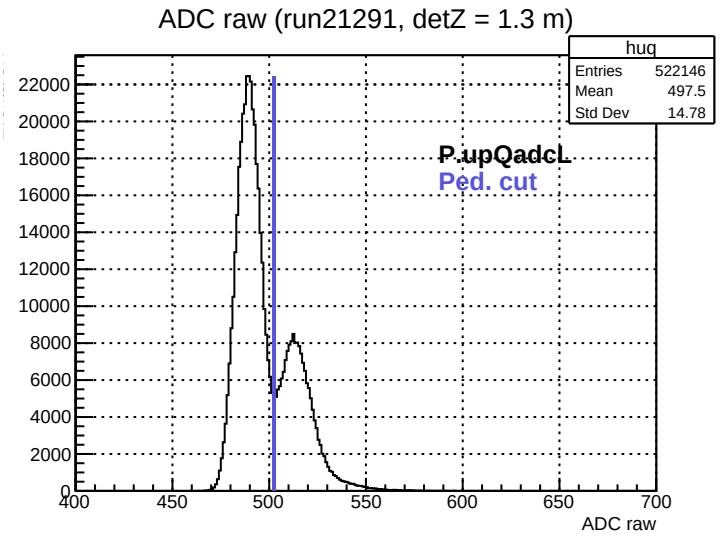

θlab (deg), yhiCut = 0.012 m
Theta
Entries 106656
Mean 4.754
Std Dev 0.5096
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

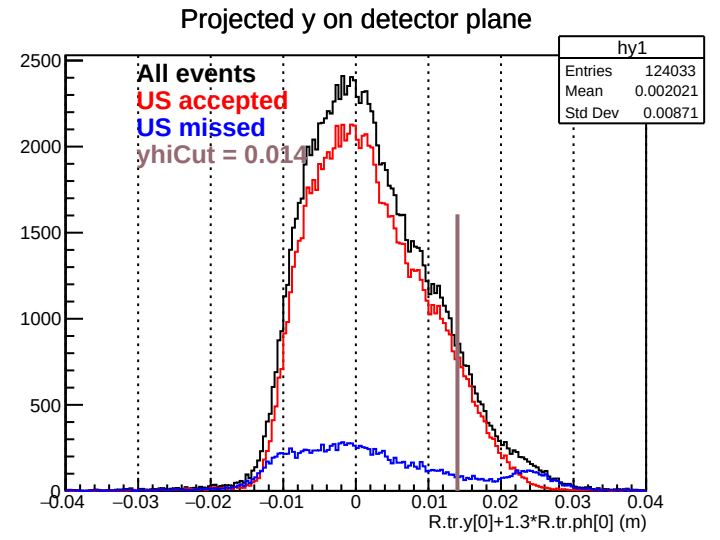

Asymmetry (ppm), yhiCut = 0.012 m
Asym
Entries 106656
Mean 0.5641
Std Dev 0.08736
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

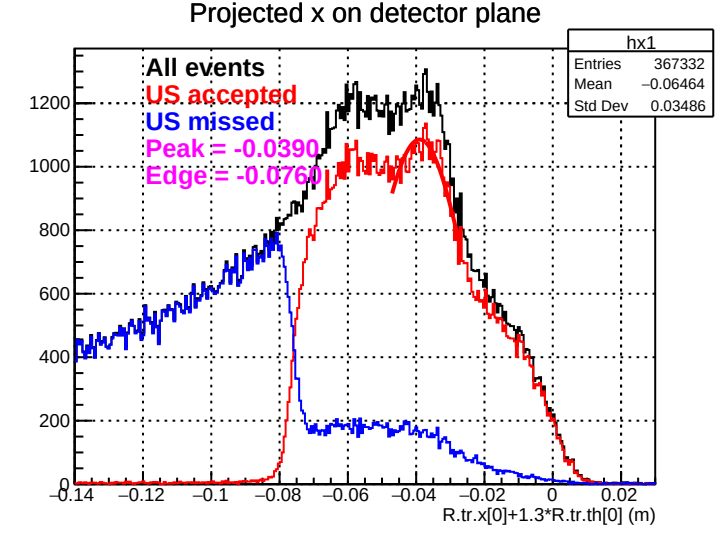

Stretched Asym. (ppm), yhiCut = 0.012 m
SAsym
Entries 106656
Mean 0.5514
Std Dev 0.08315
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

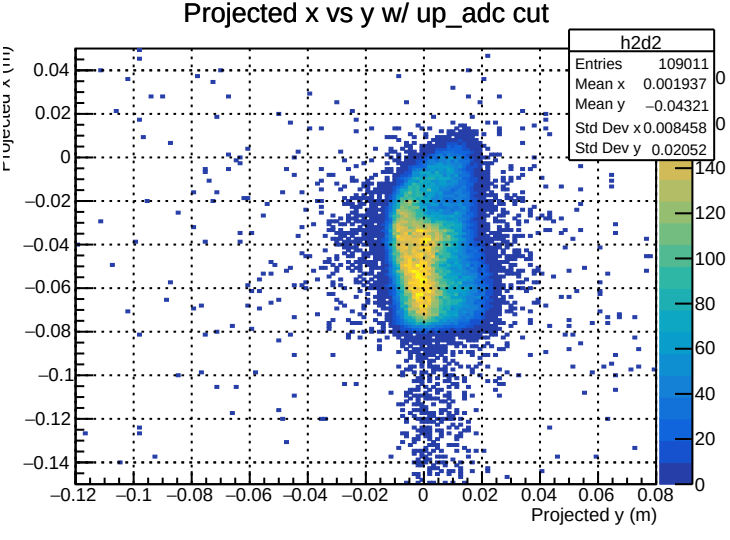

Q^2 (GeV/c)^2, yhiCut = 0.012 m
Q2
Entries 106656
Mean 0.006261
Std Dev 0.001384
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

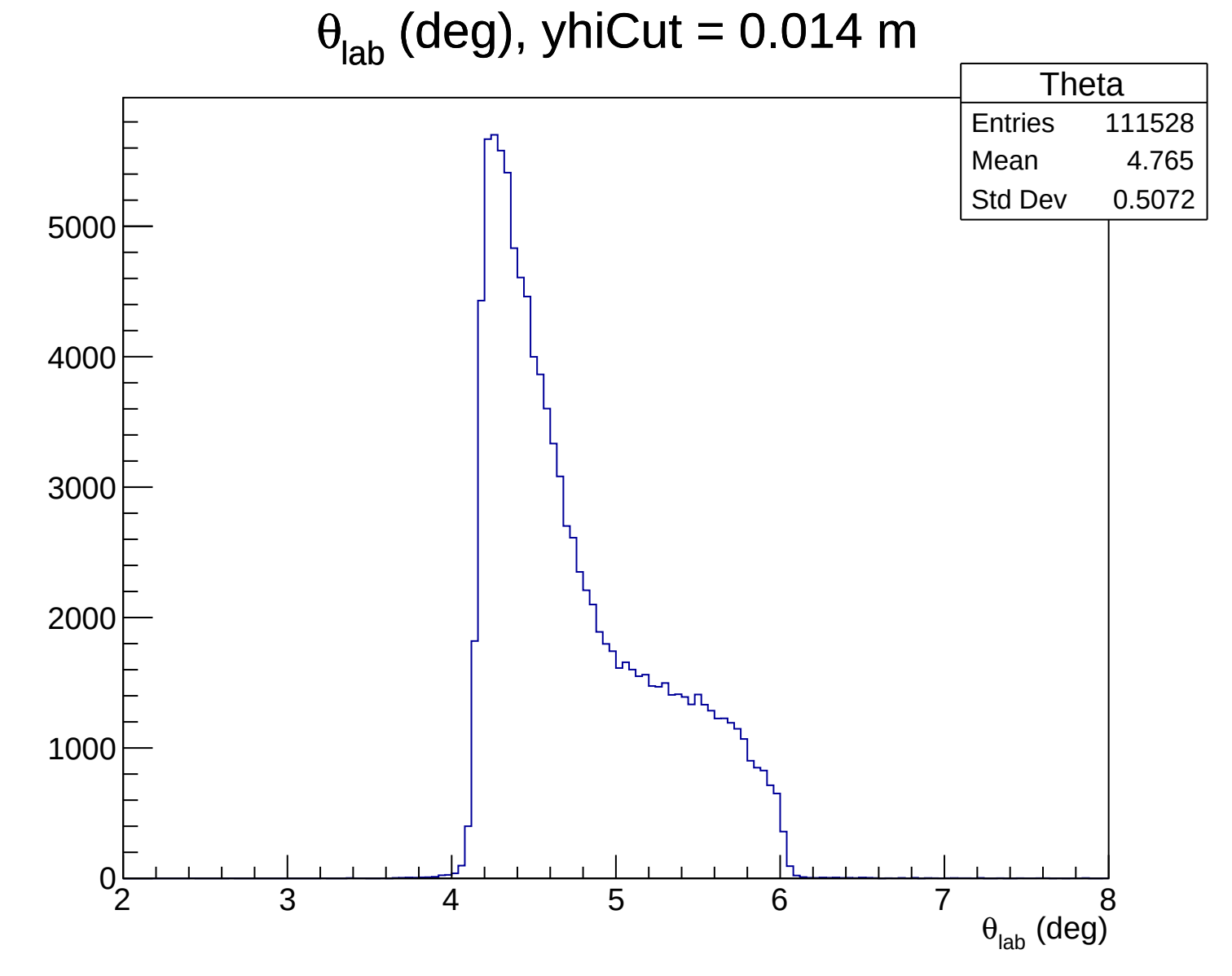

Sensitivity, yhiCut = 0.012 m
sens
Entries 106656
Mean 0.02195
Std Dev 0.00434
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

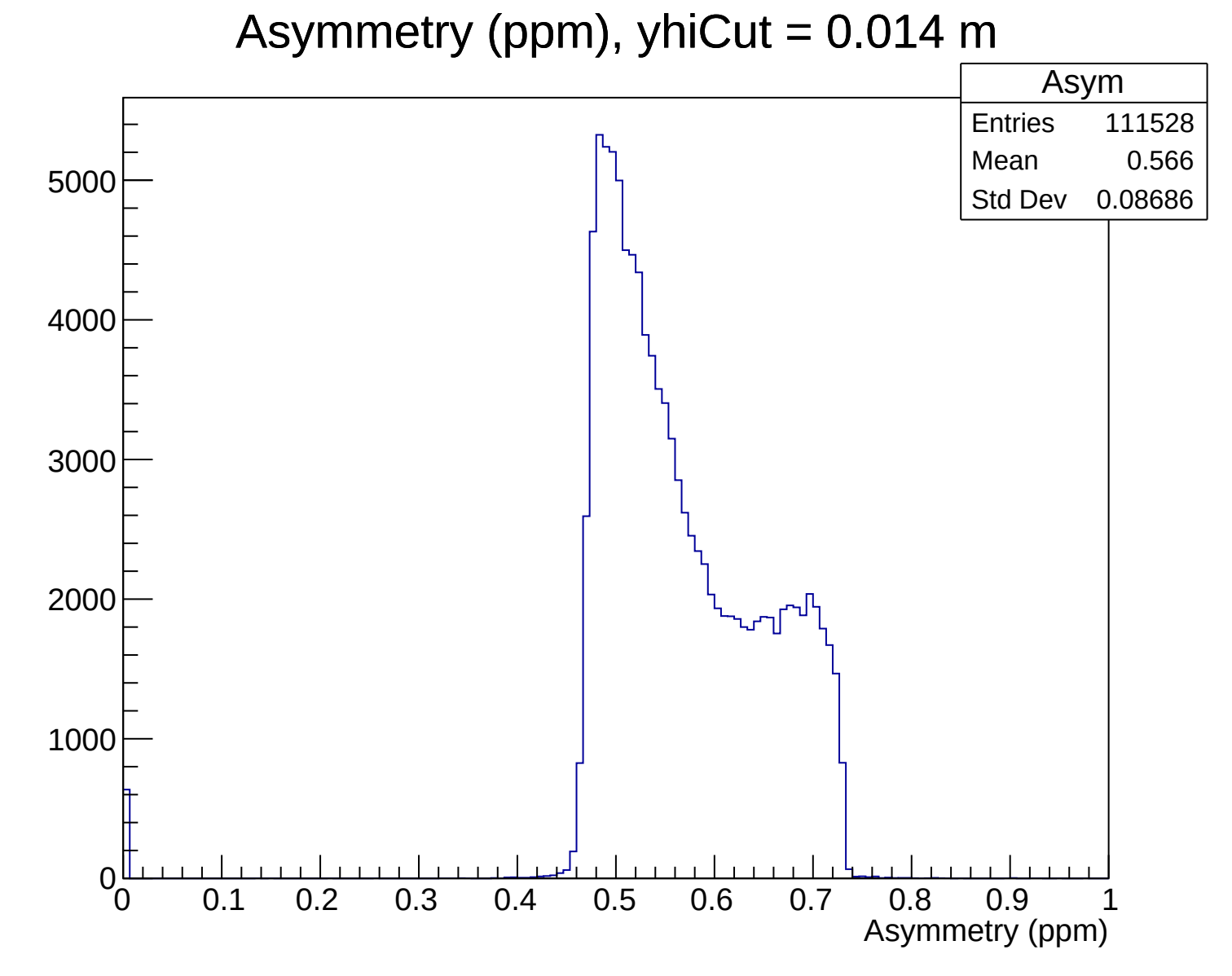

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

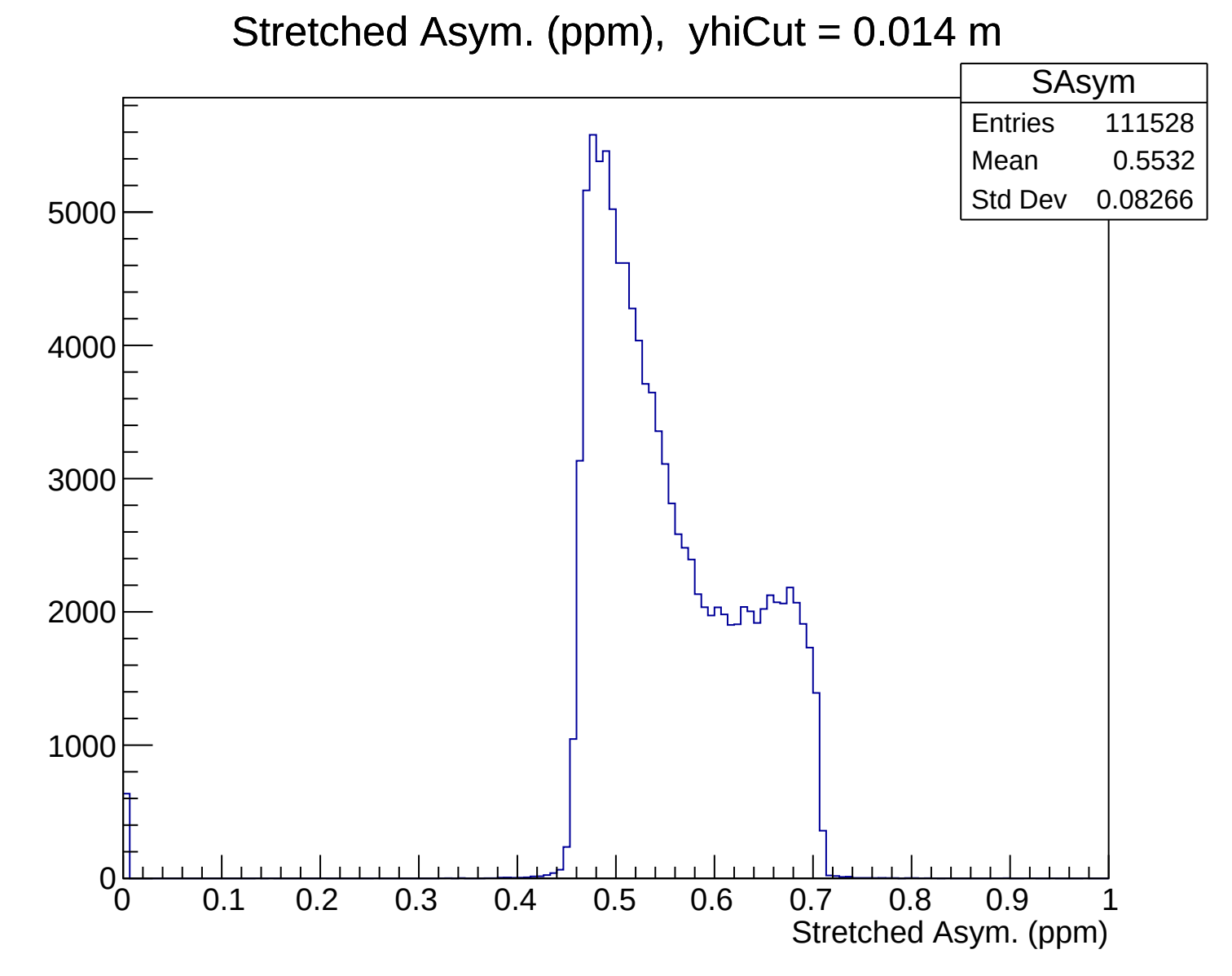

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.014
R.tr.y[0]+1.3*R.tr.ph[0] (m)

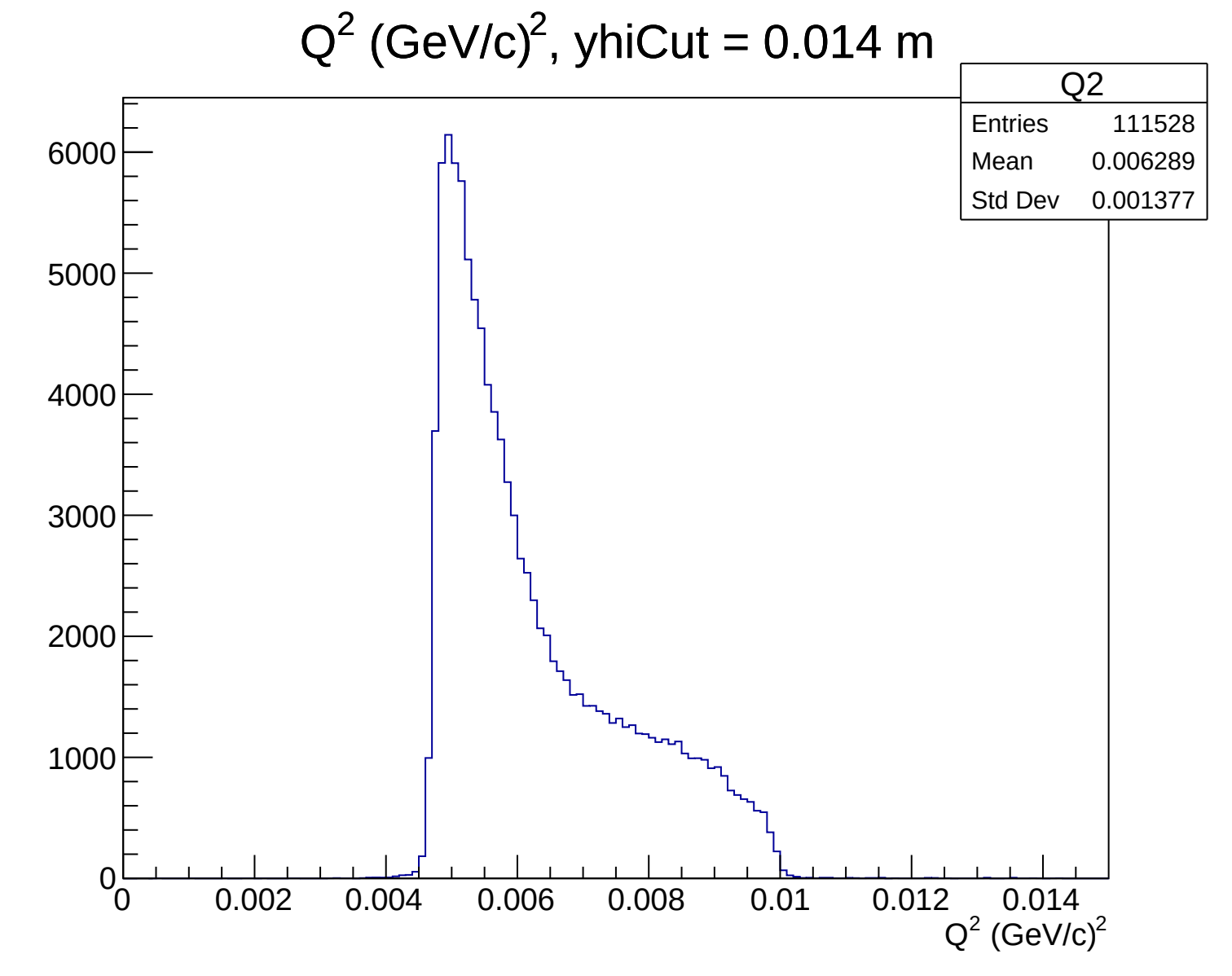

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

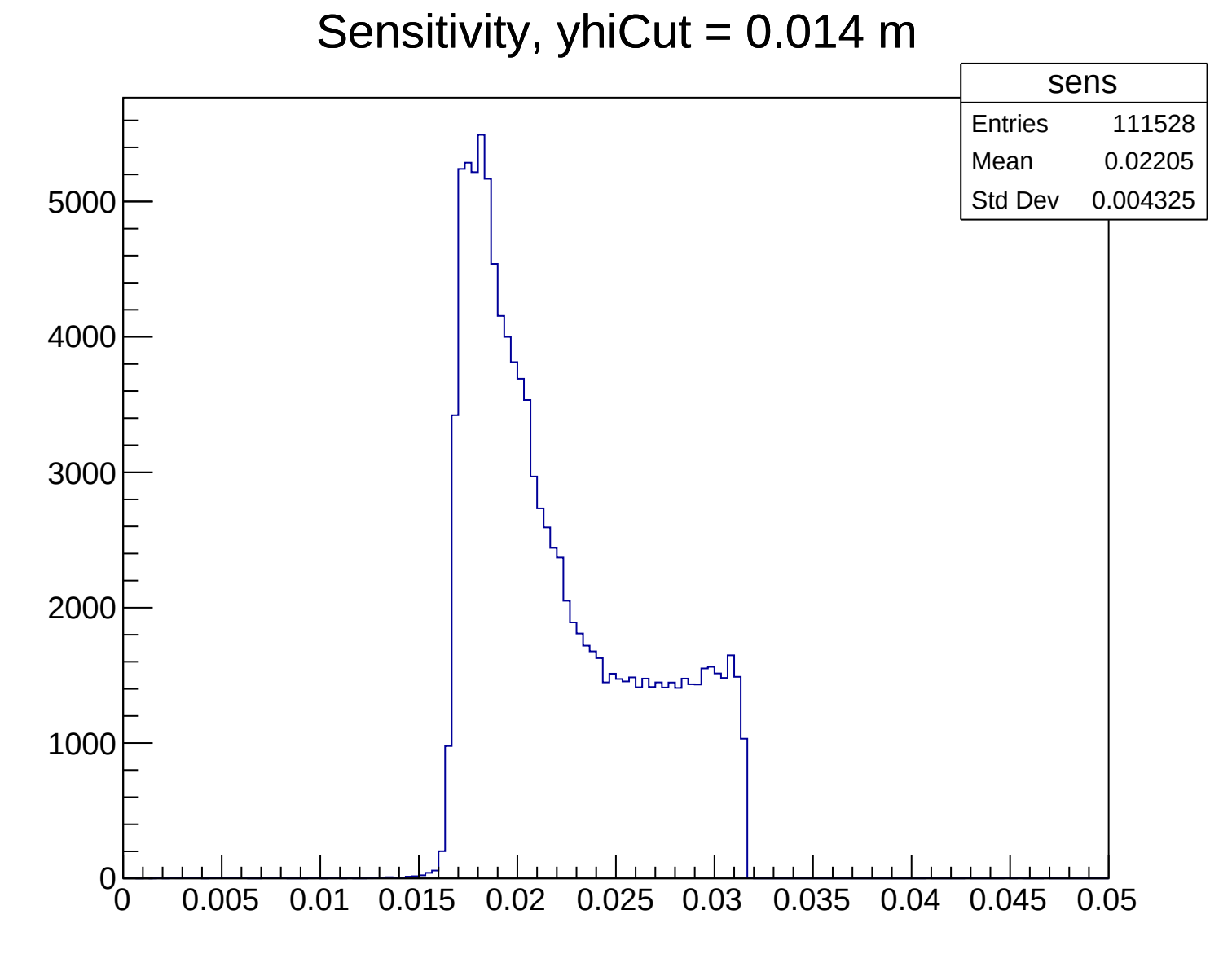

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

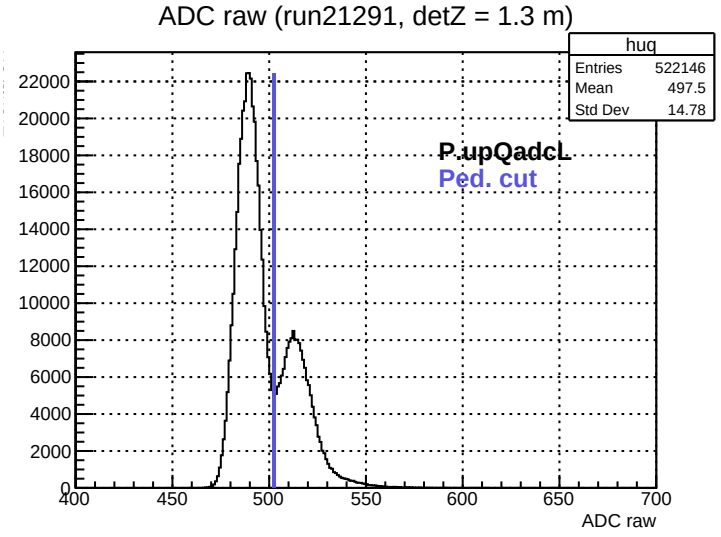

θlab (deg), yhiCut = 0.014 m
Theta
Entries 111528
Mean 4.765
Std Dev 0.5072
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

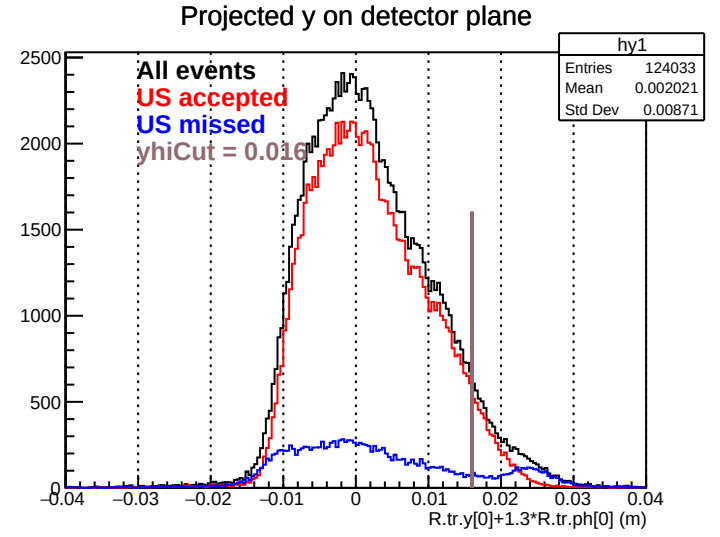

Asymmetry (ppm), yhiCut = 0.014 m
Asym
Entries 111528
Mean 0.566
Std Dev 0.08686
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

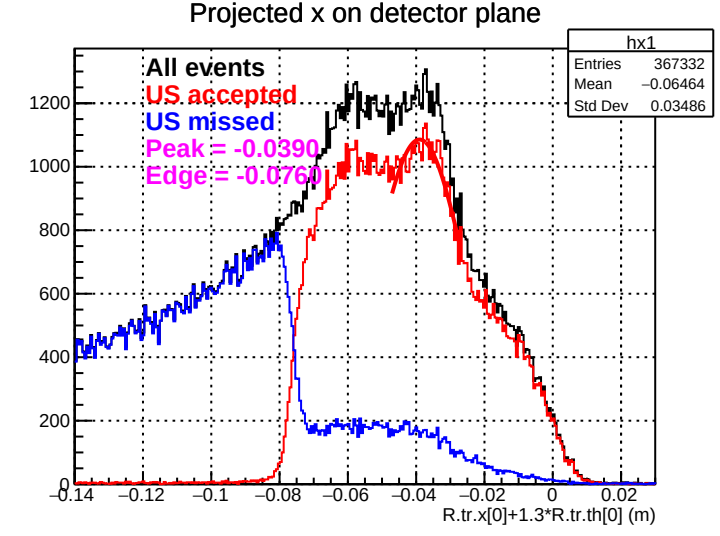

Stretched Asym. (ppm), yhiCut = 0.014 m
SAsym
Entries 111528
Mean 0.5532
Std Dev 0.08266
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

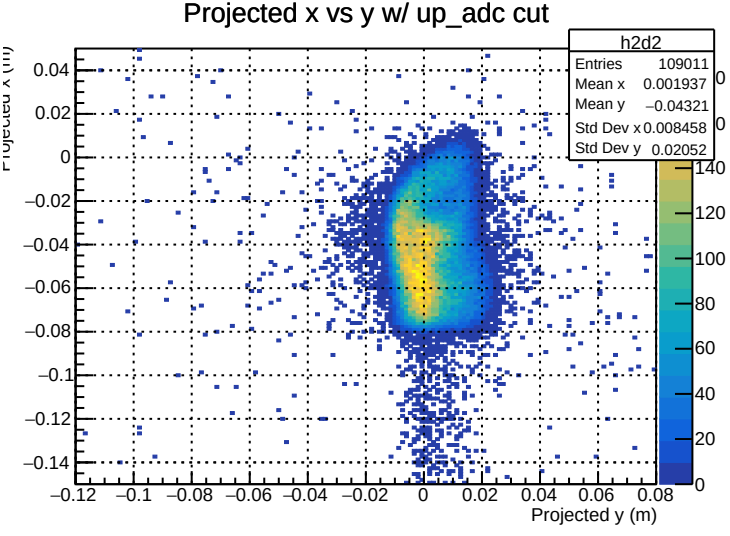

Q^2 (GeV/c)^2, yhiCut = 0.014 m
Q2
Entries 111528
Mean 0.006289
Std Dev 0.001377
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

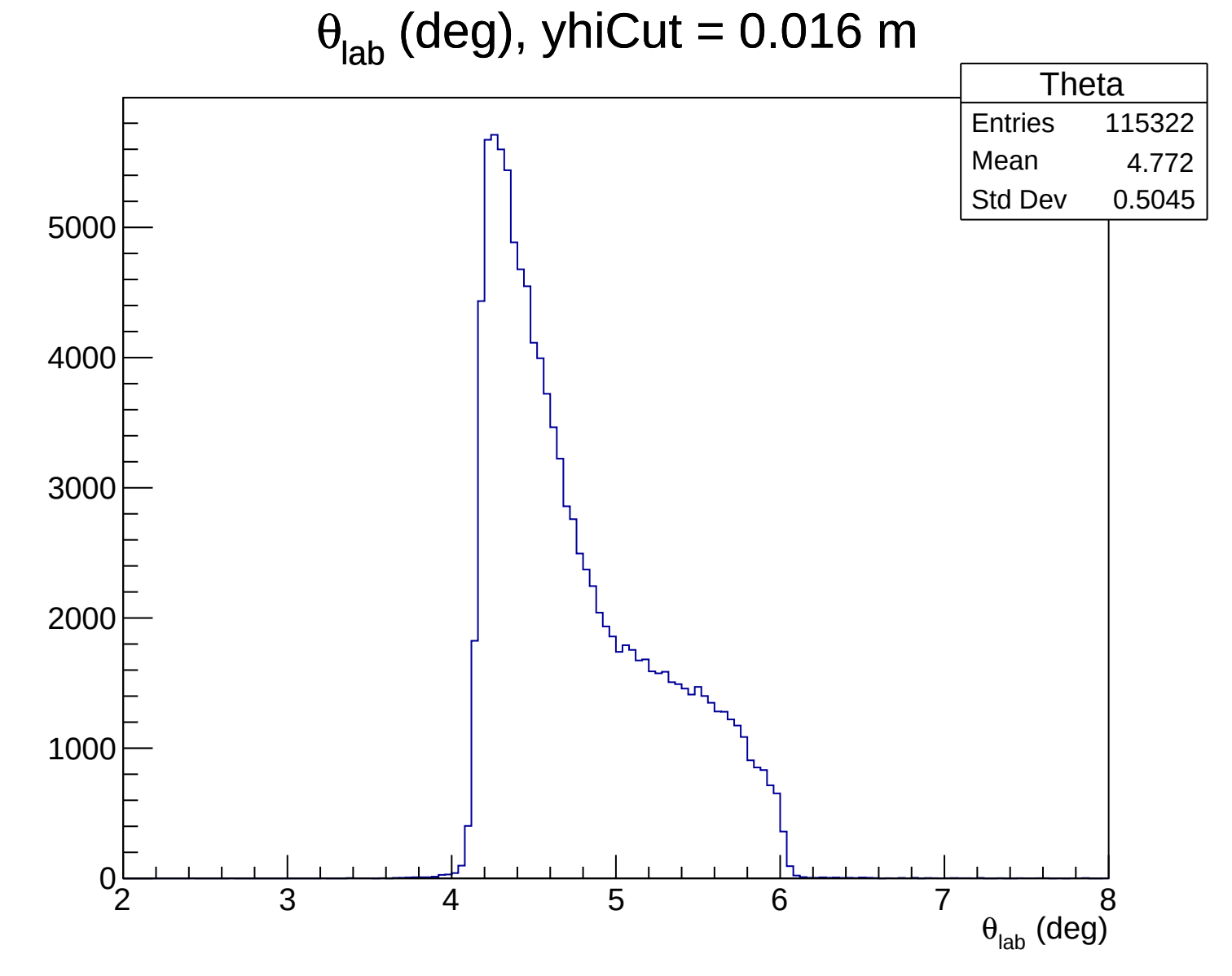

Sensitivity, yhiCut = 0.014 m
sens
Entries 111528
Mean 0.02205
Std Dev 0.004325
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

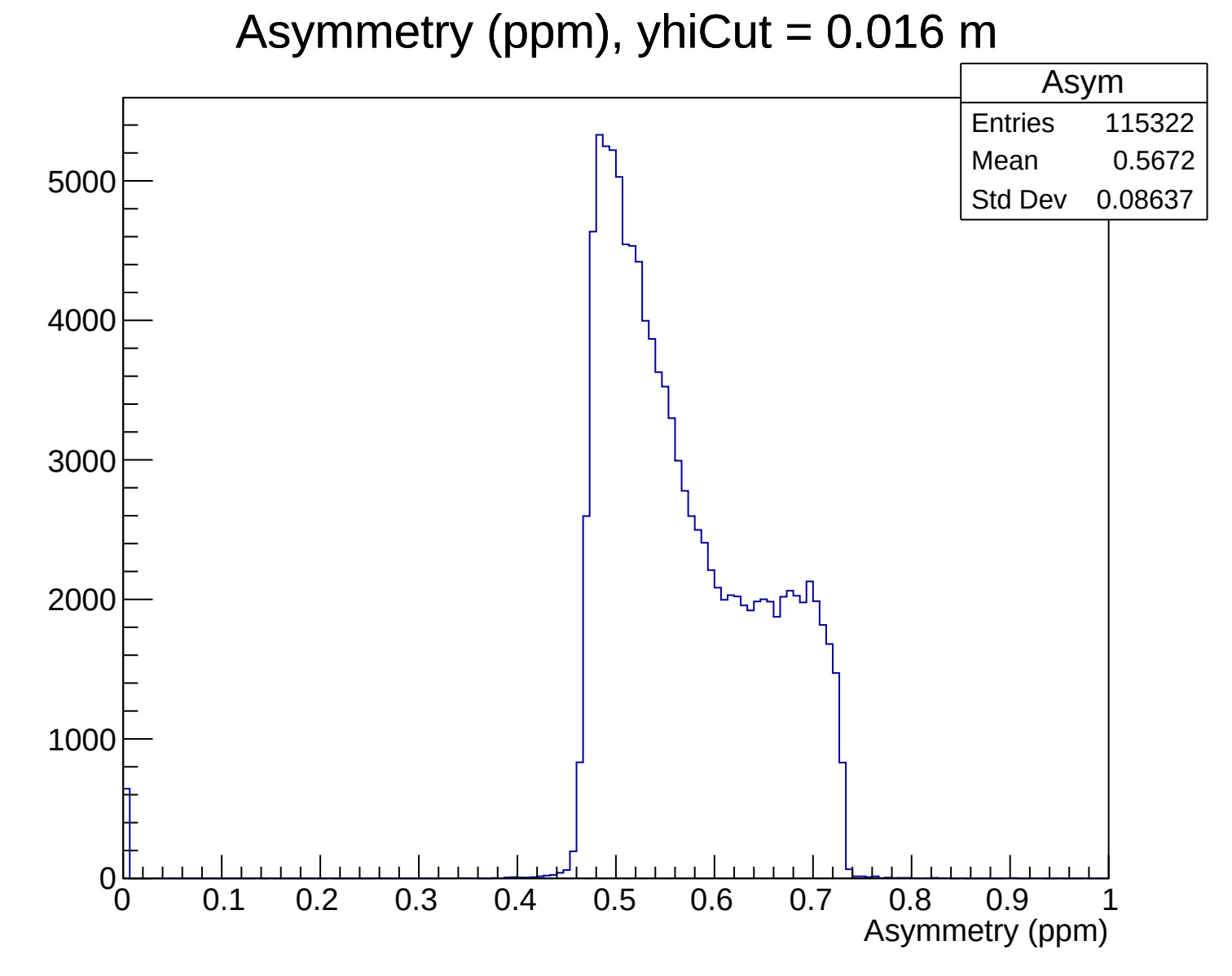

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

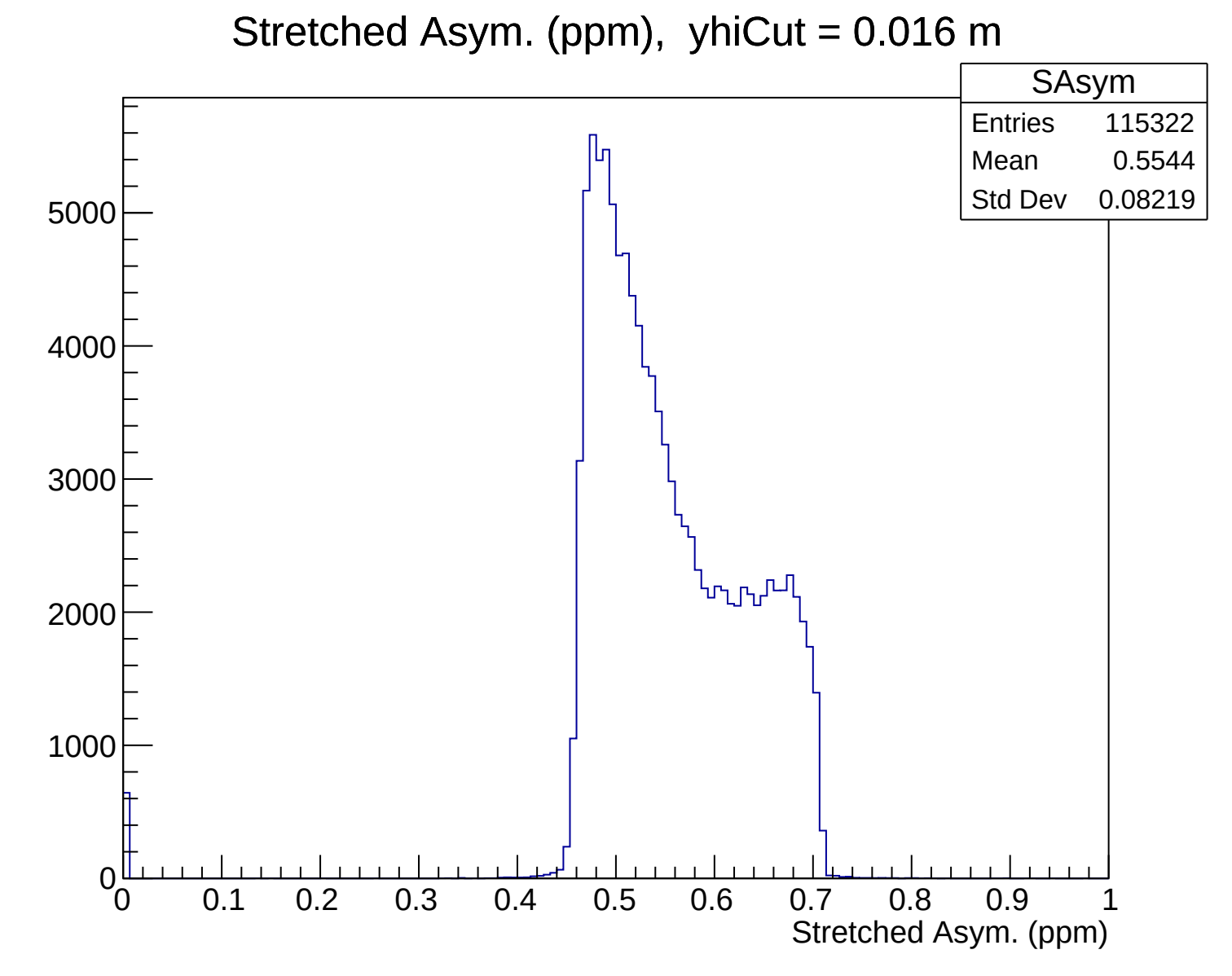

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.016
R.tr.y[0]+1.3*R.tr.ph[0] (m)

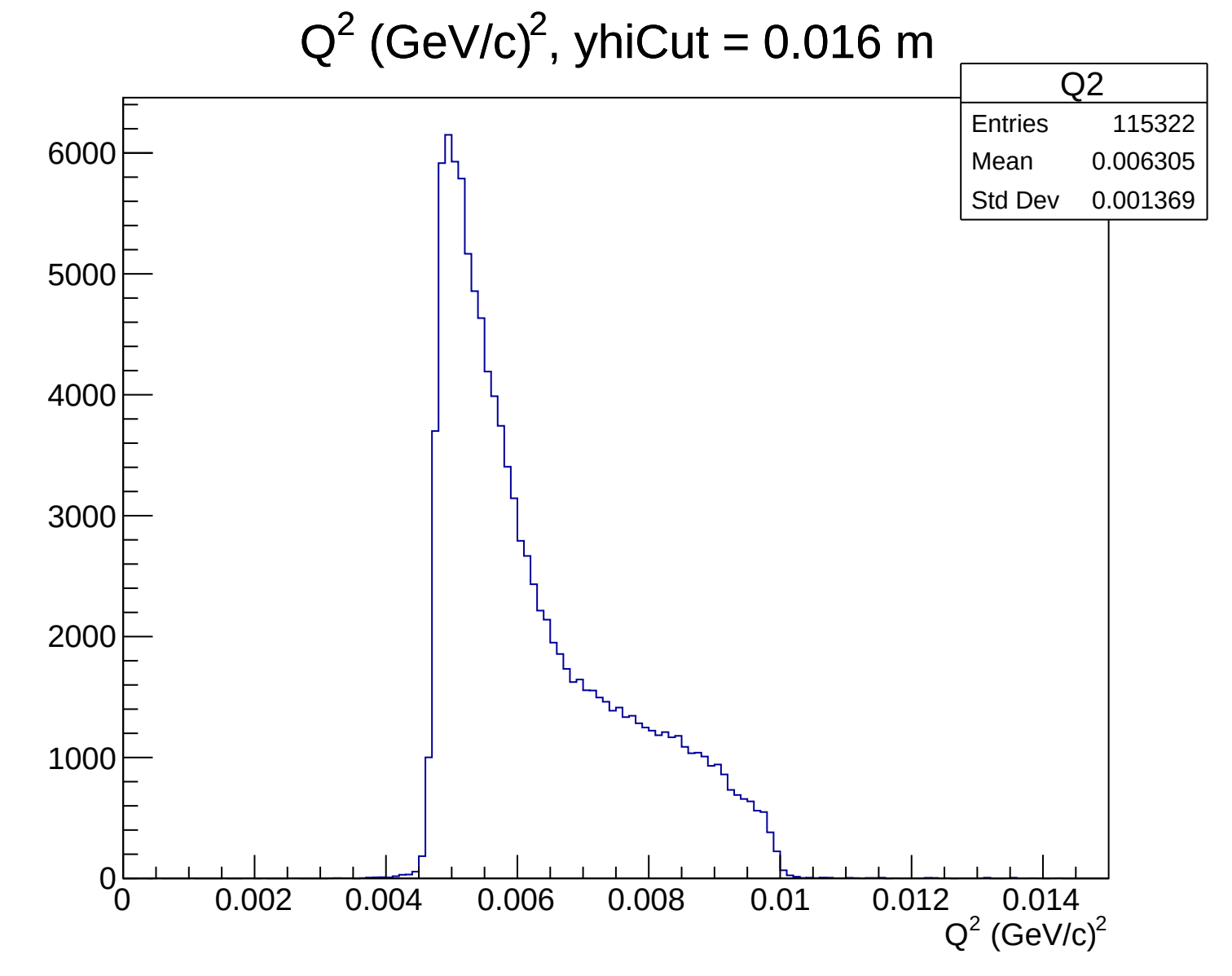

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

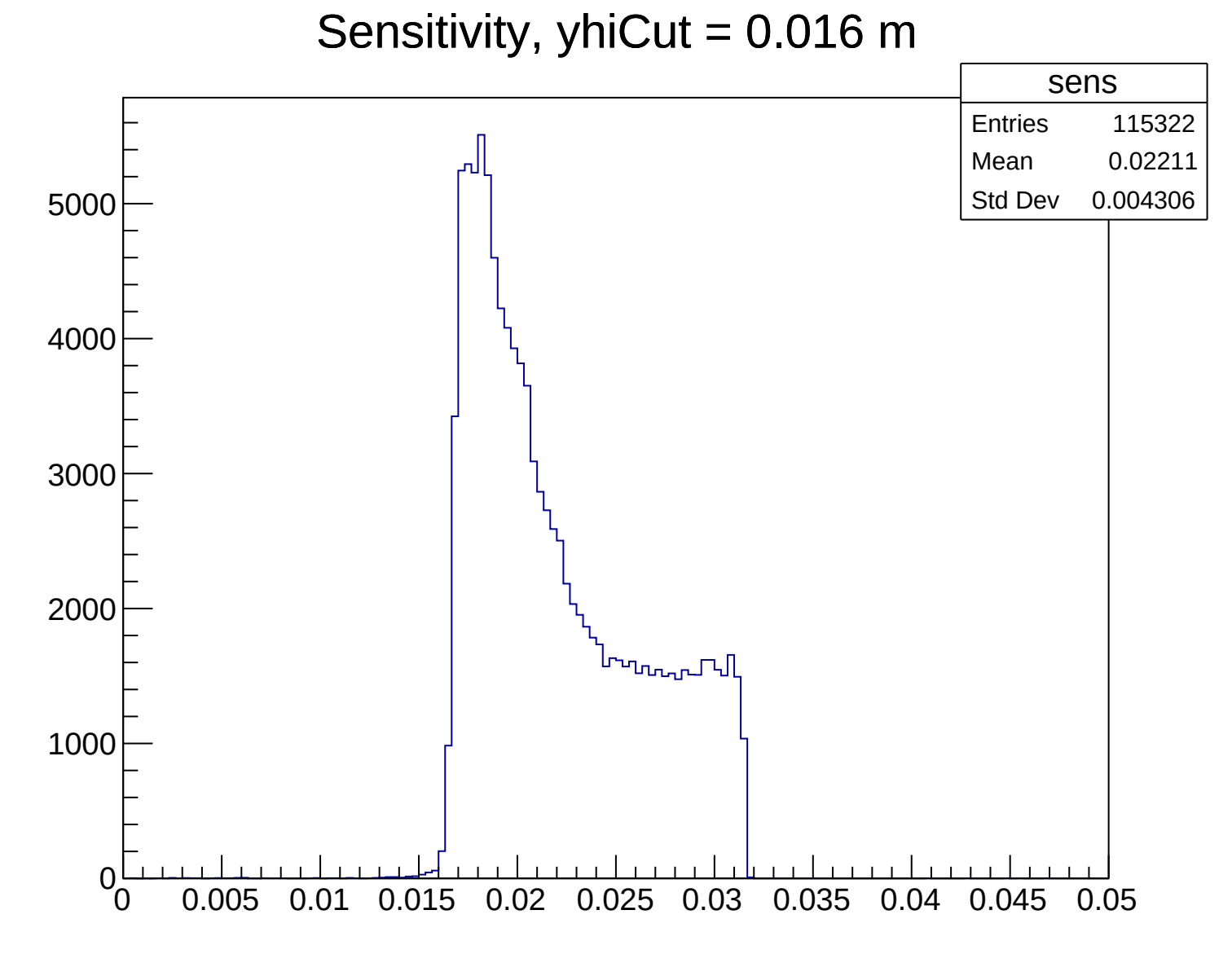

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

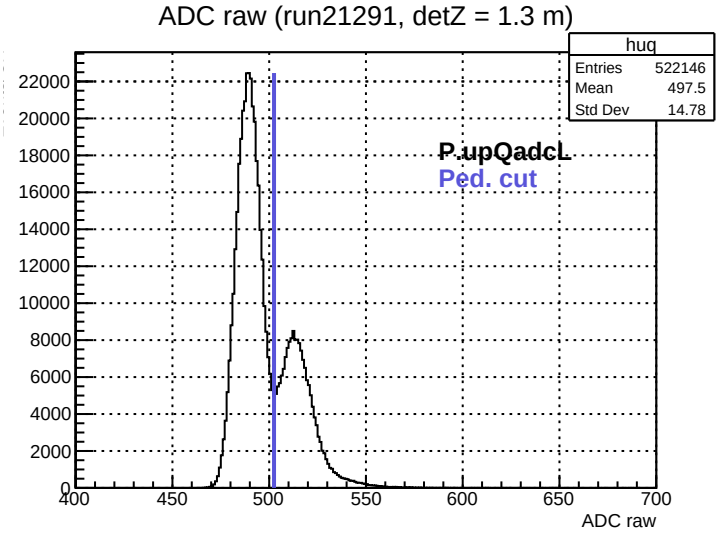

θlab (deg), yhiCut = 0.016 m
Theta
Entries 115322
Mean 4.772
Std Dev 0.5045
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

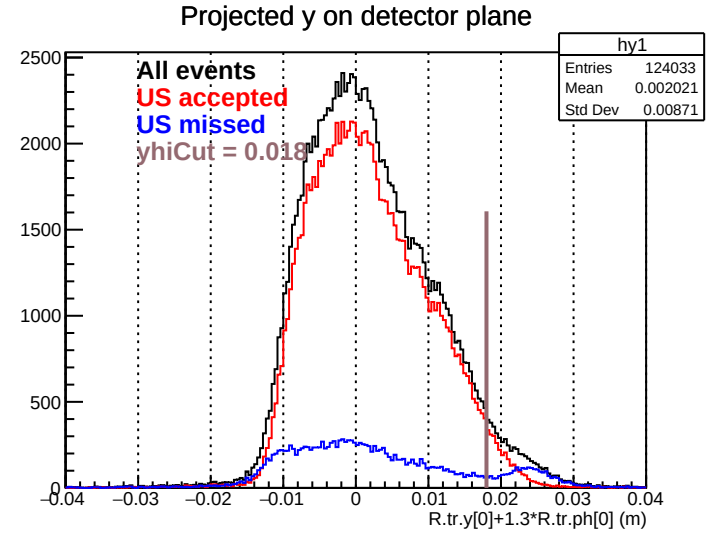

Asymmetry (ppm), yhiCut = 0.016 m
Asym
Entries 115322
Mean 0.5672
Std Dev 0.08637
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

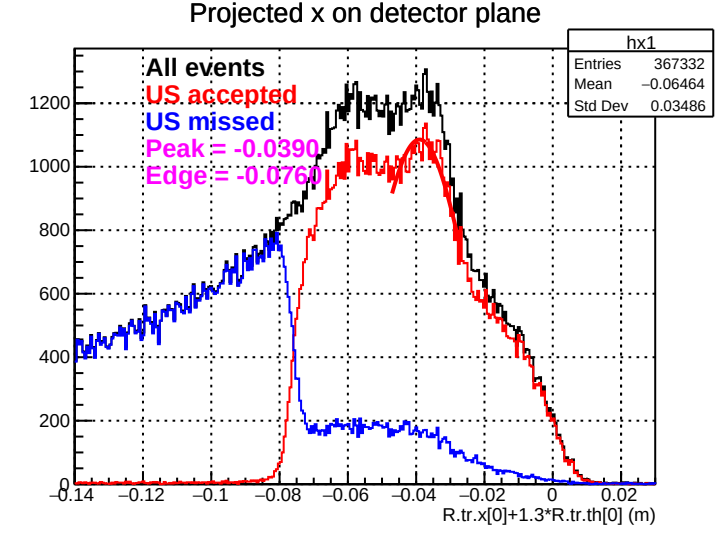

Stretched Asym. (ppm), yhiCut = 0.016 m
SAsym
Entries 115322
Mean 0.5544
Std Dev 0.08219
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

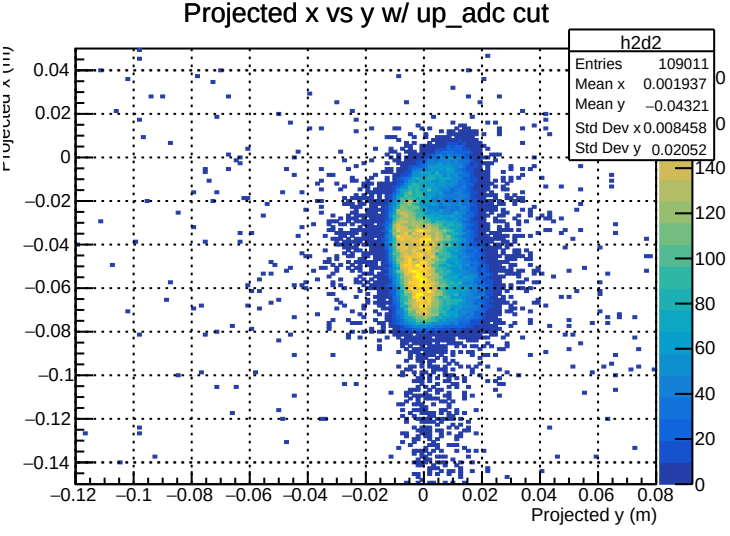

Q^2 $(GeV/c)^2$, yhiCut = 0.016 m
Q2
Entries 115322
Mean 0.006305
Std Dev 0.001369
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

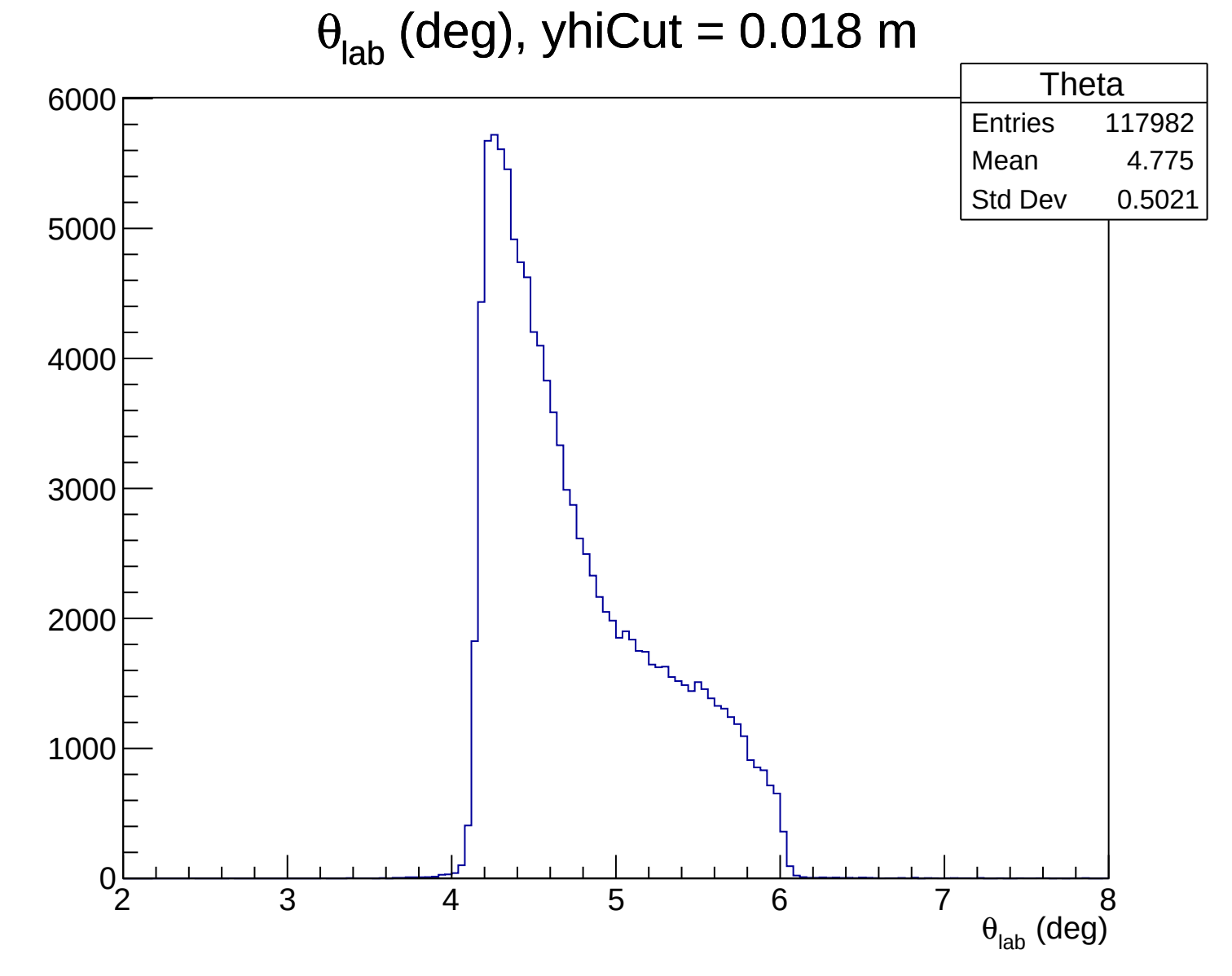

Sensitivity, yhiCut = 0.016 m
sens
Entries 115322
Mean 0.02211
Std Dev 0.004306
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

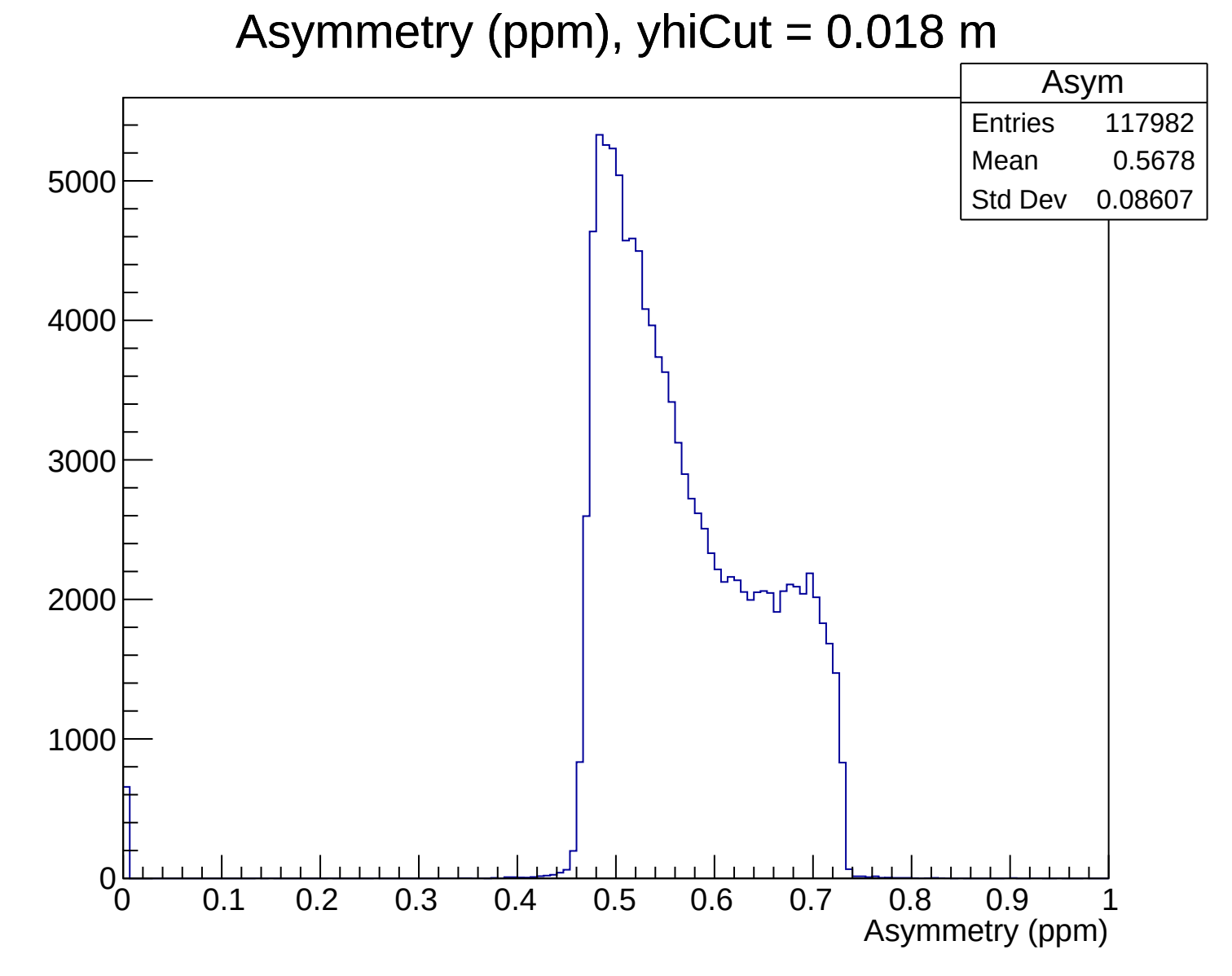

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

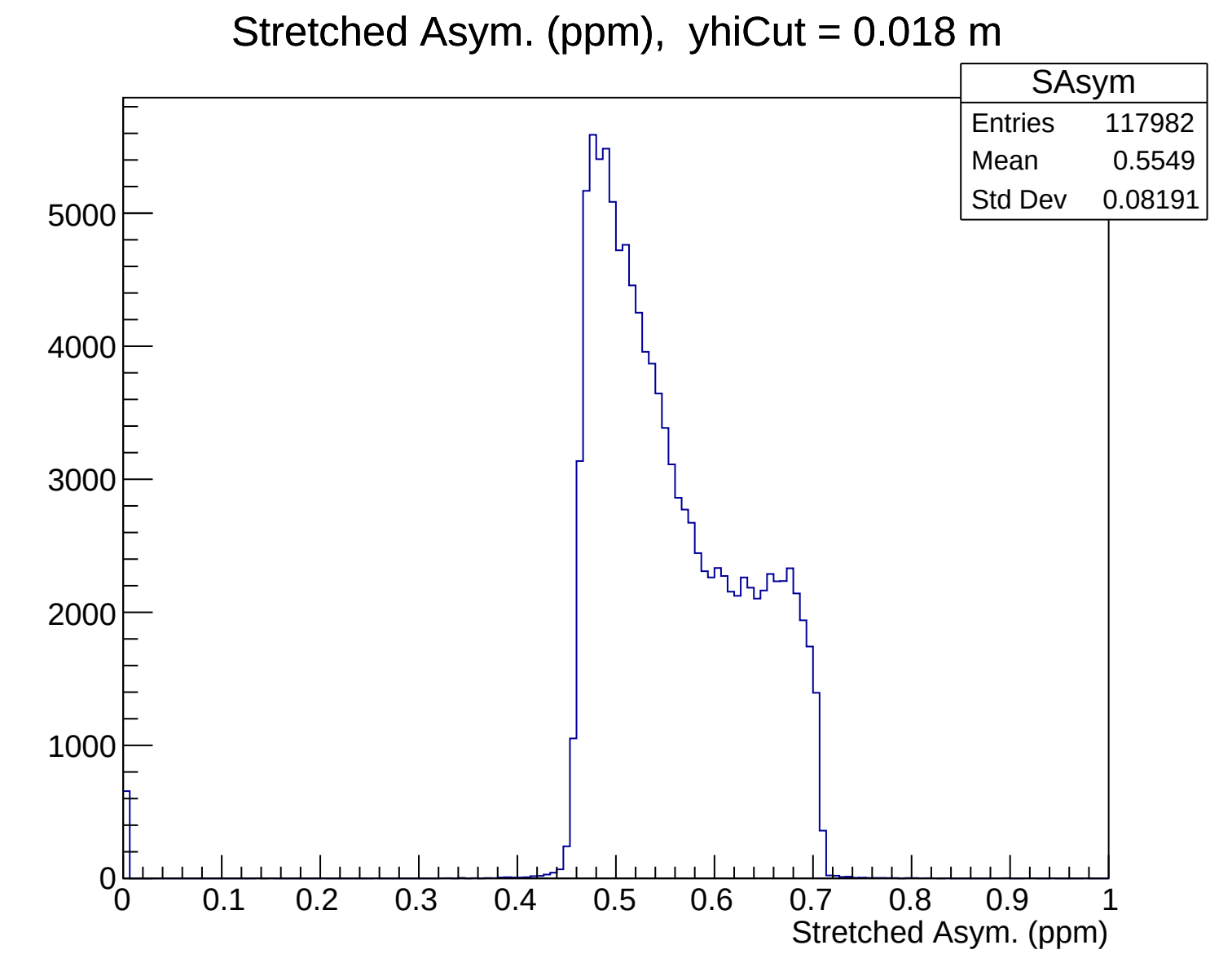

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.018
R.tr.y[0]+1.3*R.tr.ph[0] (m)

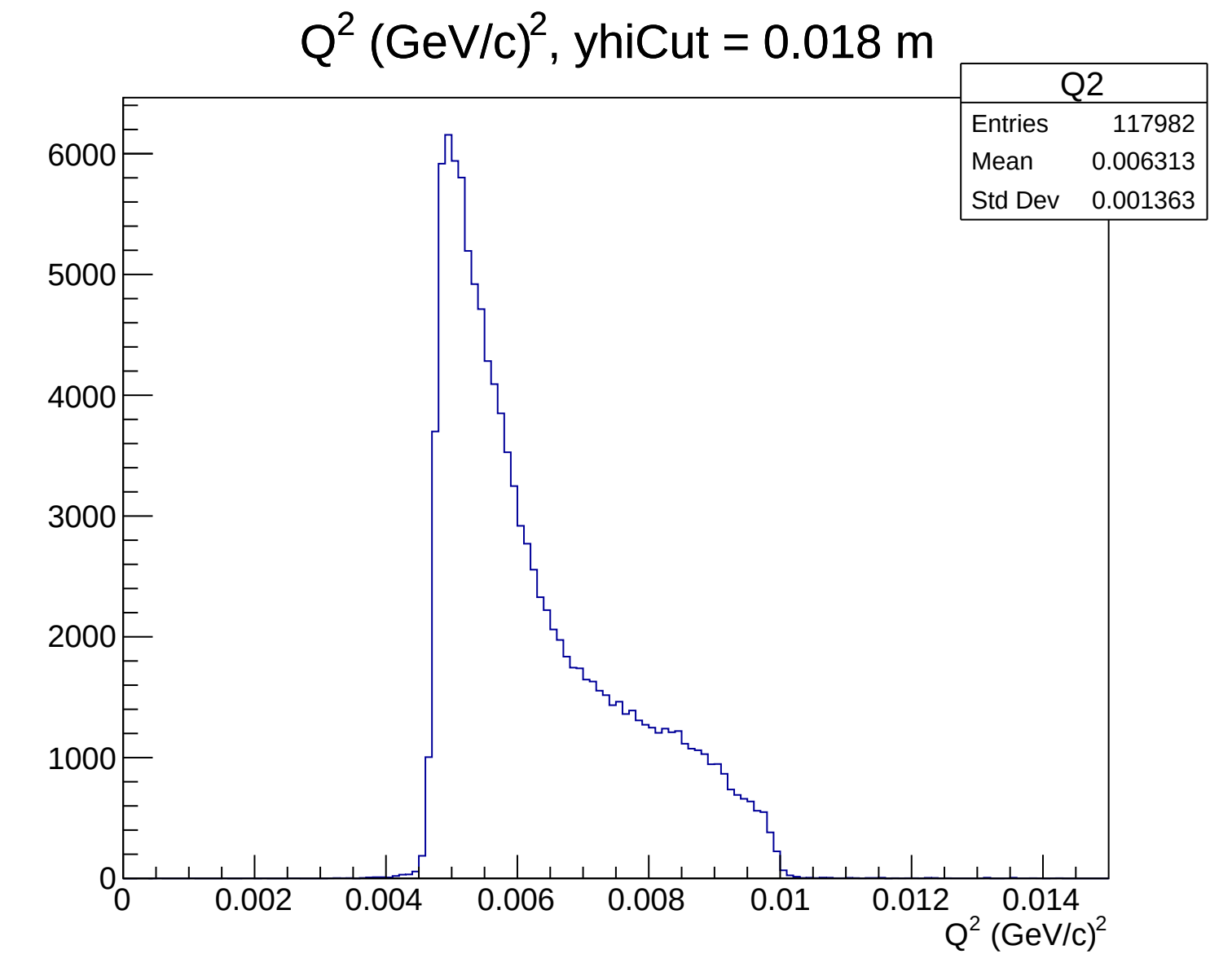

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

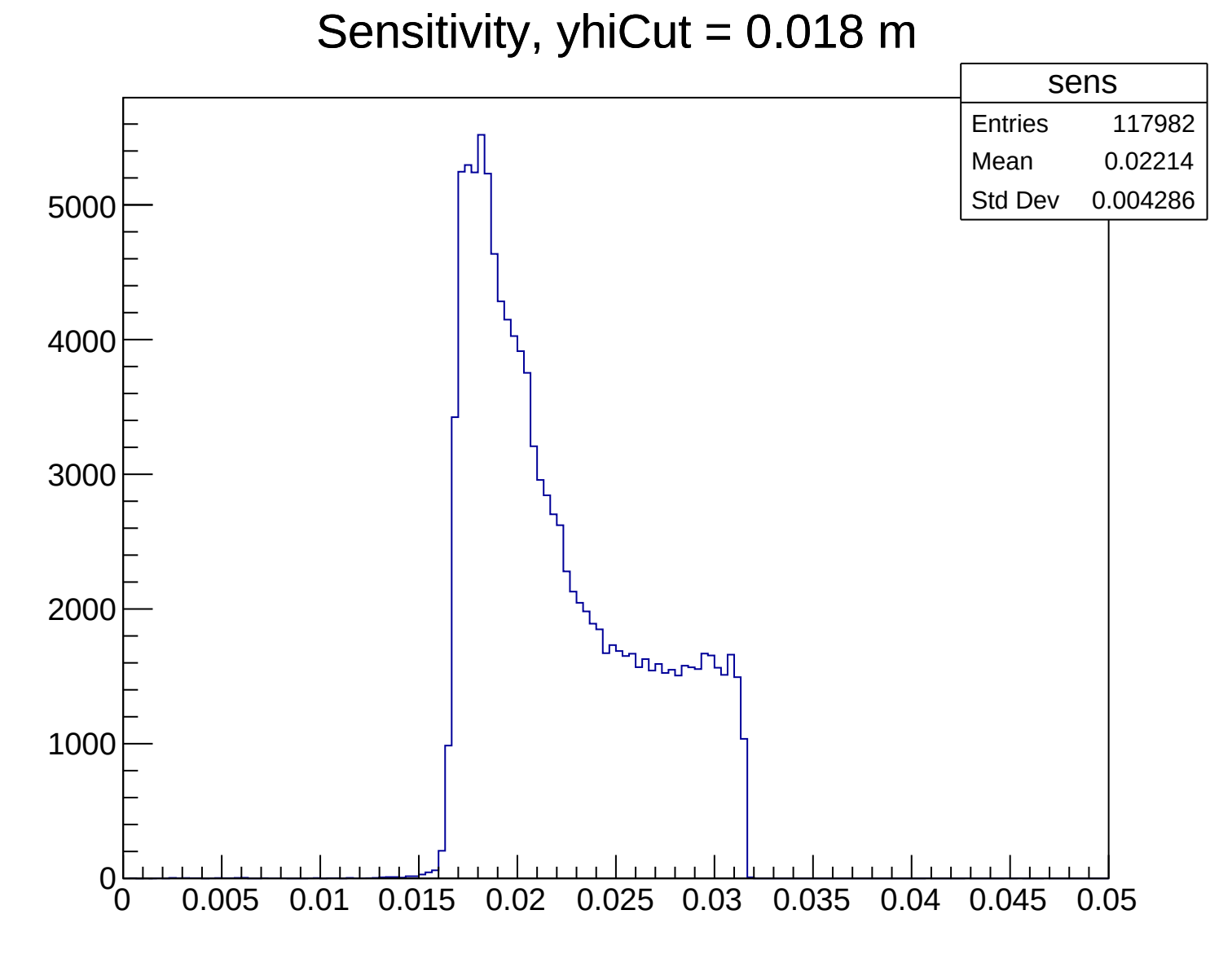

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

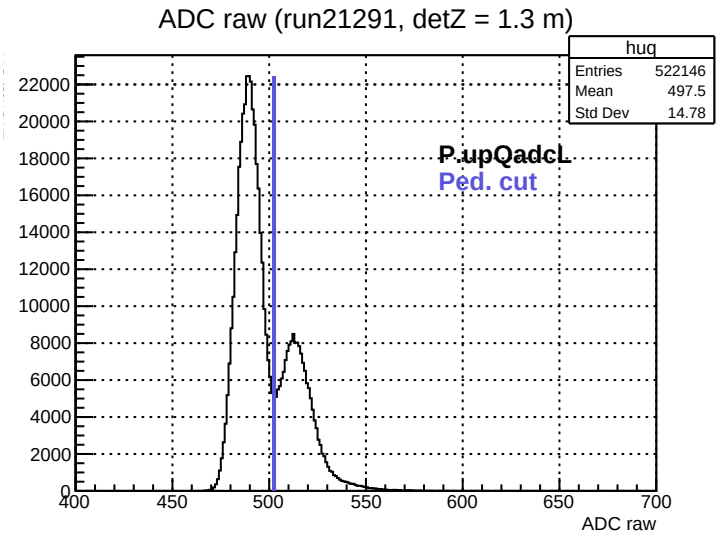

θlab (deg), yhiCut = 0.018 m
Theta
Entries 117982
Mean 4.775
Std Dev 0.5021
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

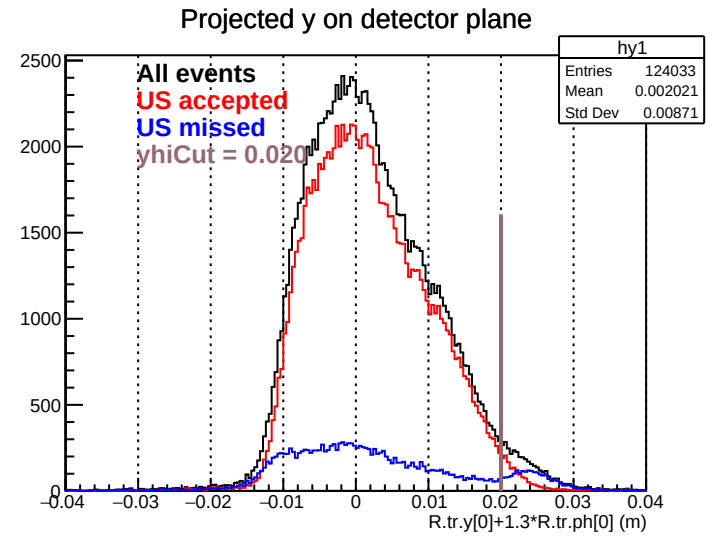

Asymmetry (ppm), yhiCut = 0.018 m
Asym
Entries 117982
Mean 0.5678
Std Dev 0.08607
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

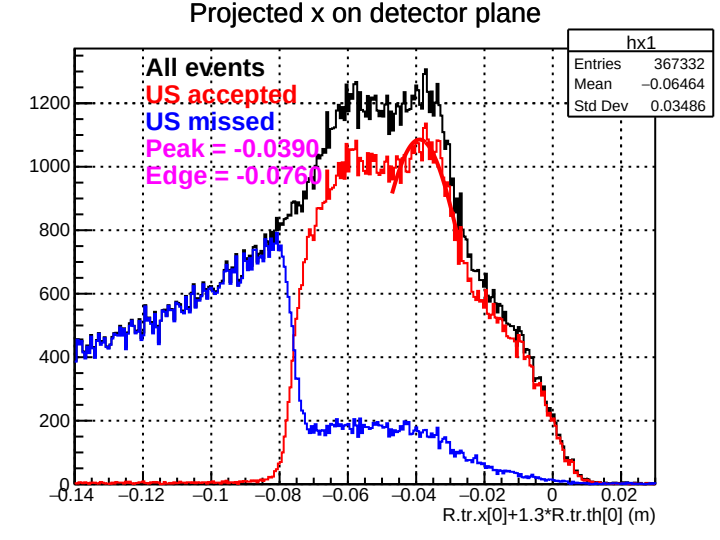

Stretched Asym. (ppm), yhiCut = 0.018 m
SAsym
Entries 117982
Mean 0.5549
Std Dev 0.08191
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

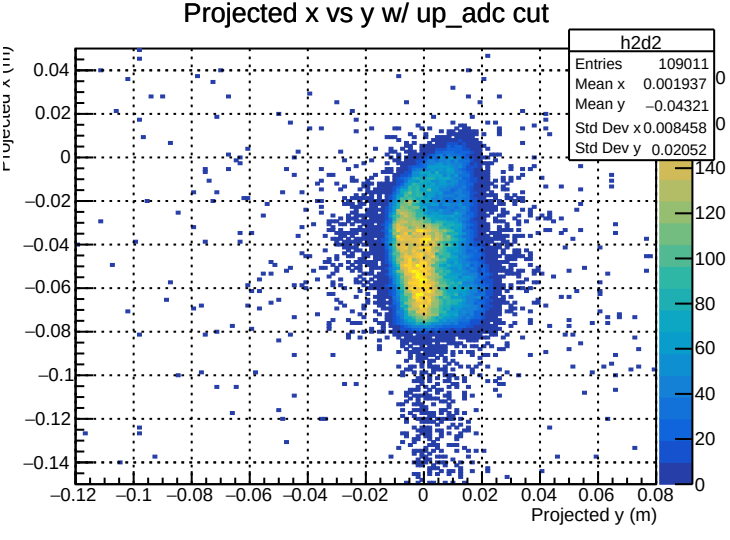

Q^2 (GeV/c)^2, yhiCut = 0.018 m
Q2
Entries 117982
Mean 0.006313
Std Dev 0.001363
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

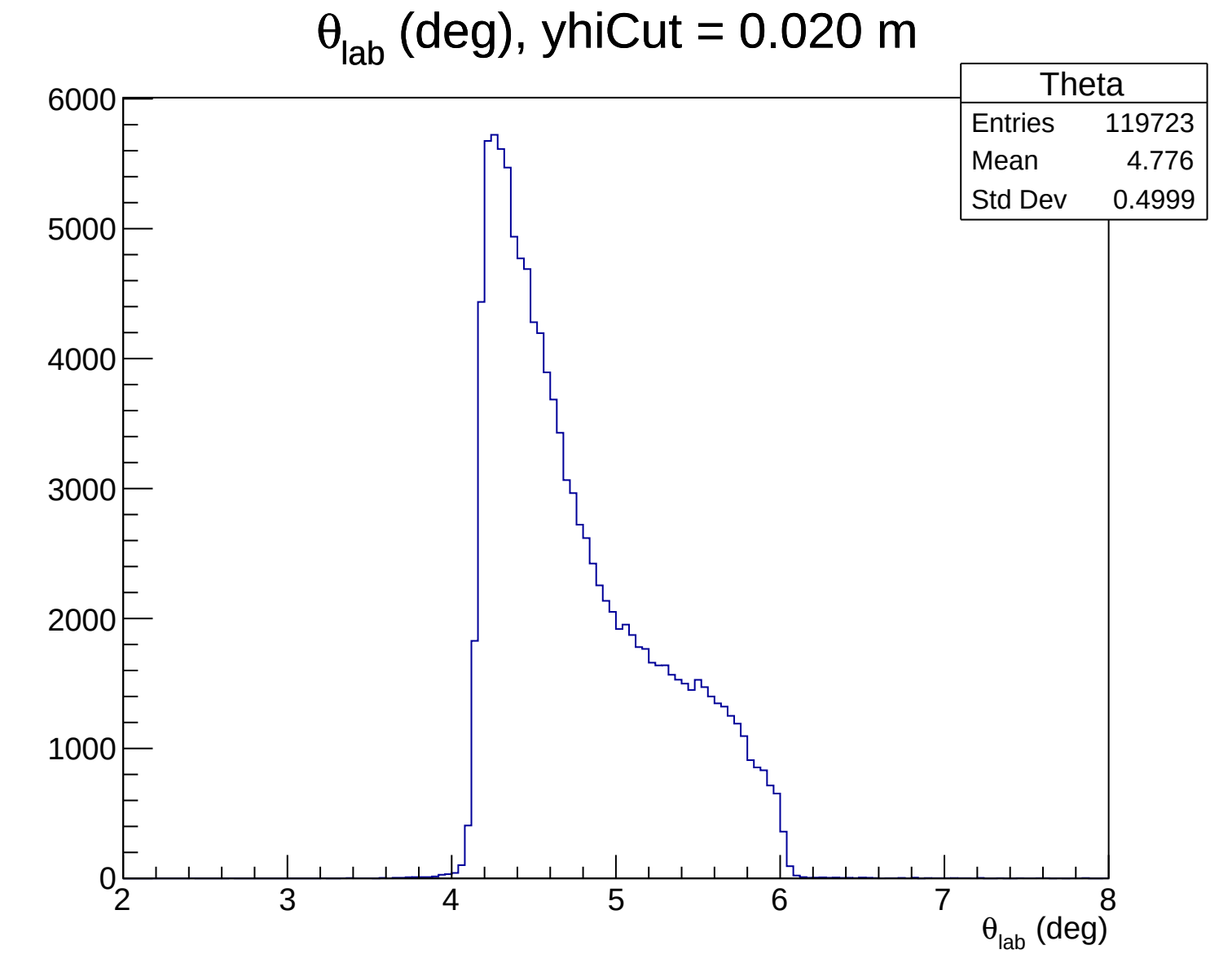

Sensitivity, yhiCut = 0.018 m
sens
Entries 117982
Mean 0.02214
Std Dev 0.004286
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

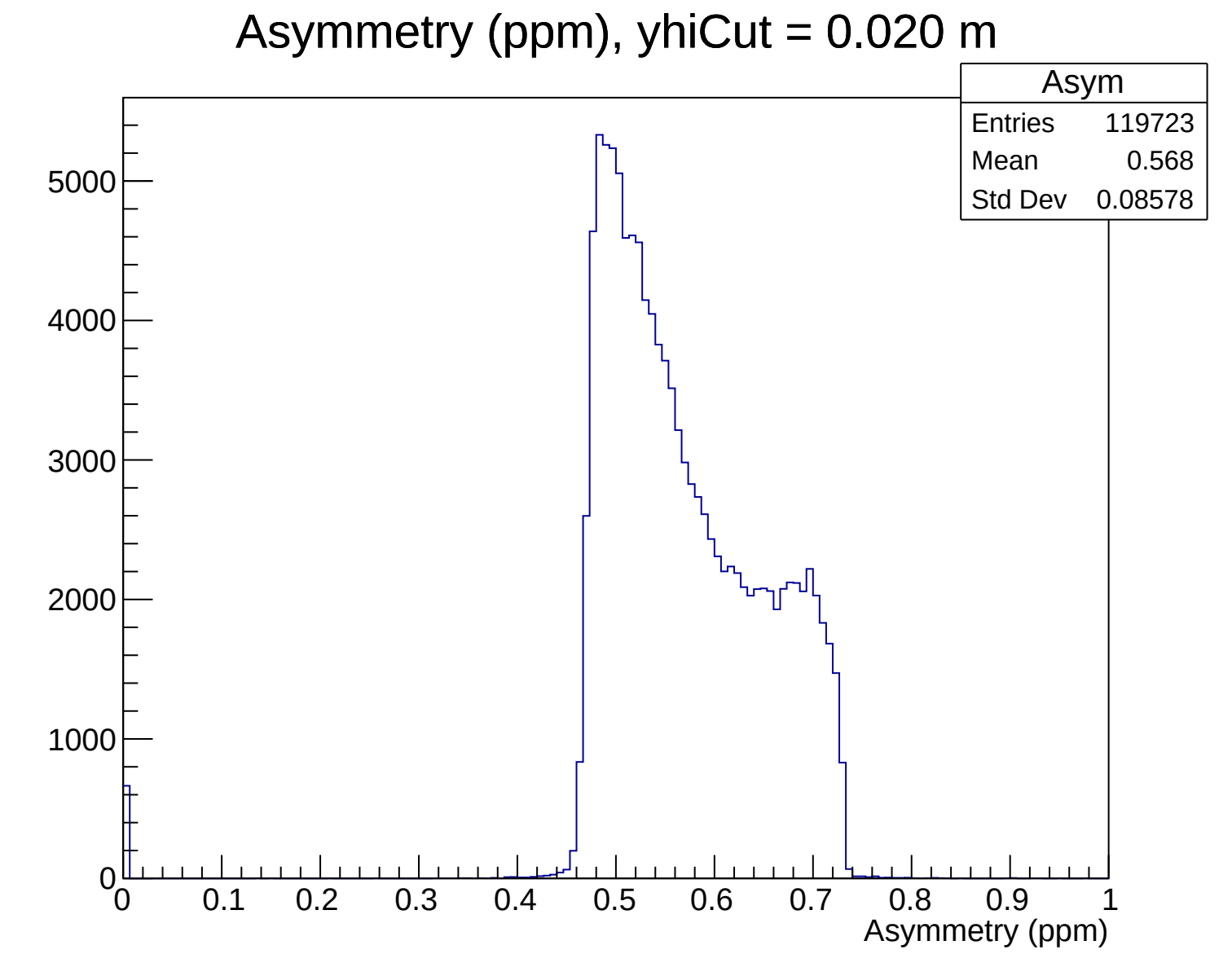

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

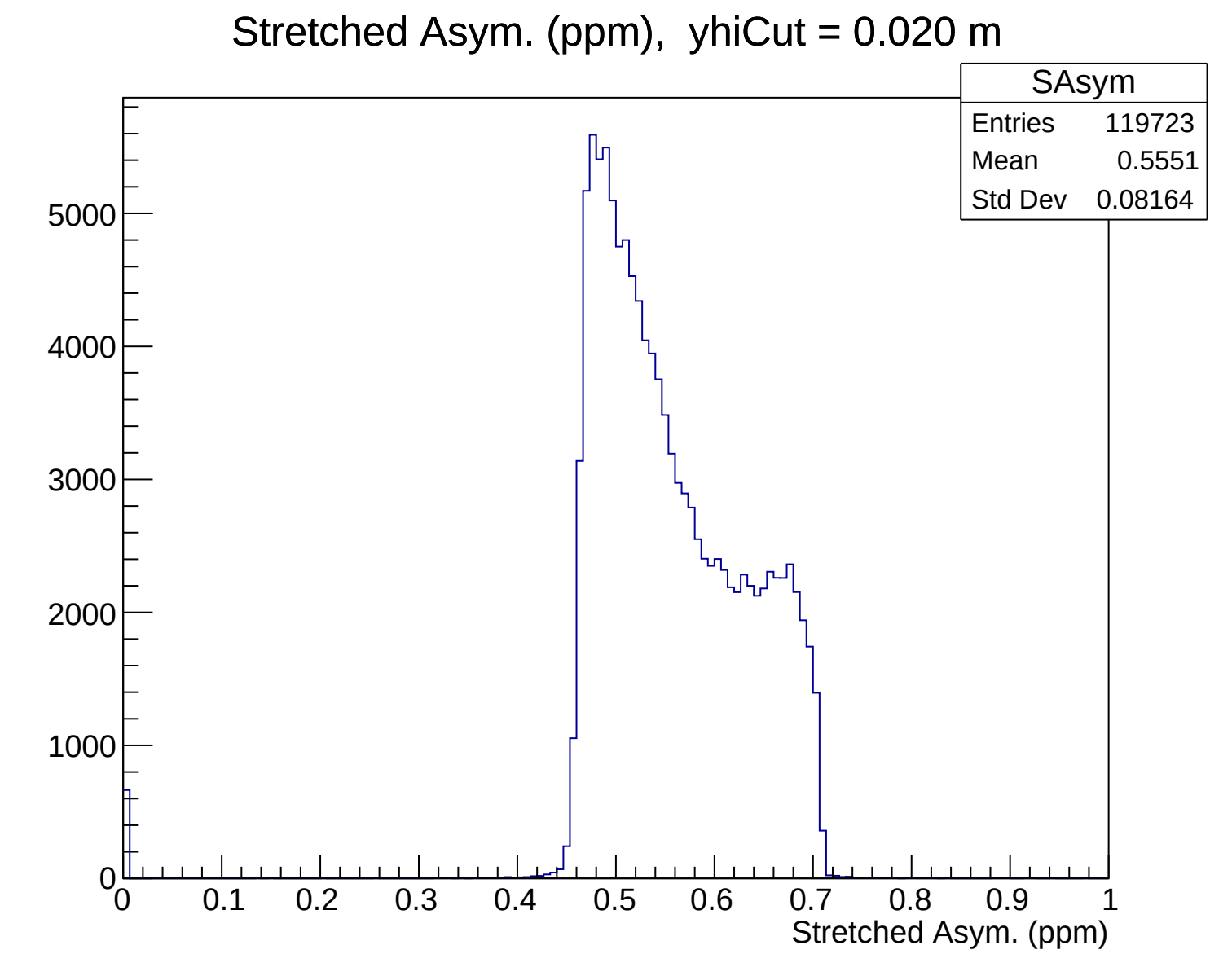

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.020
R.tr.y[0]+1.3*R.tr.ph[0] (m)

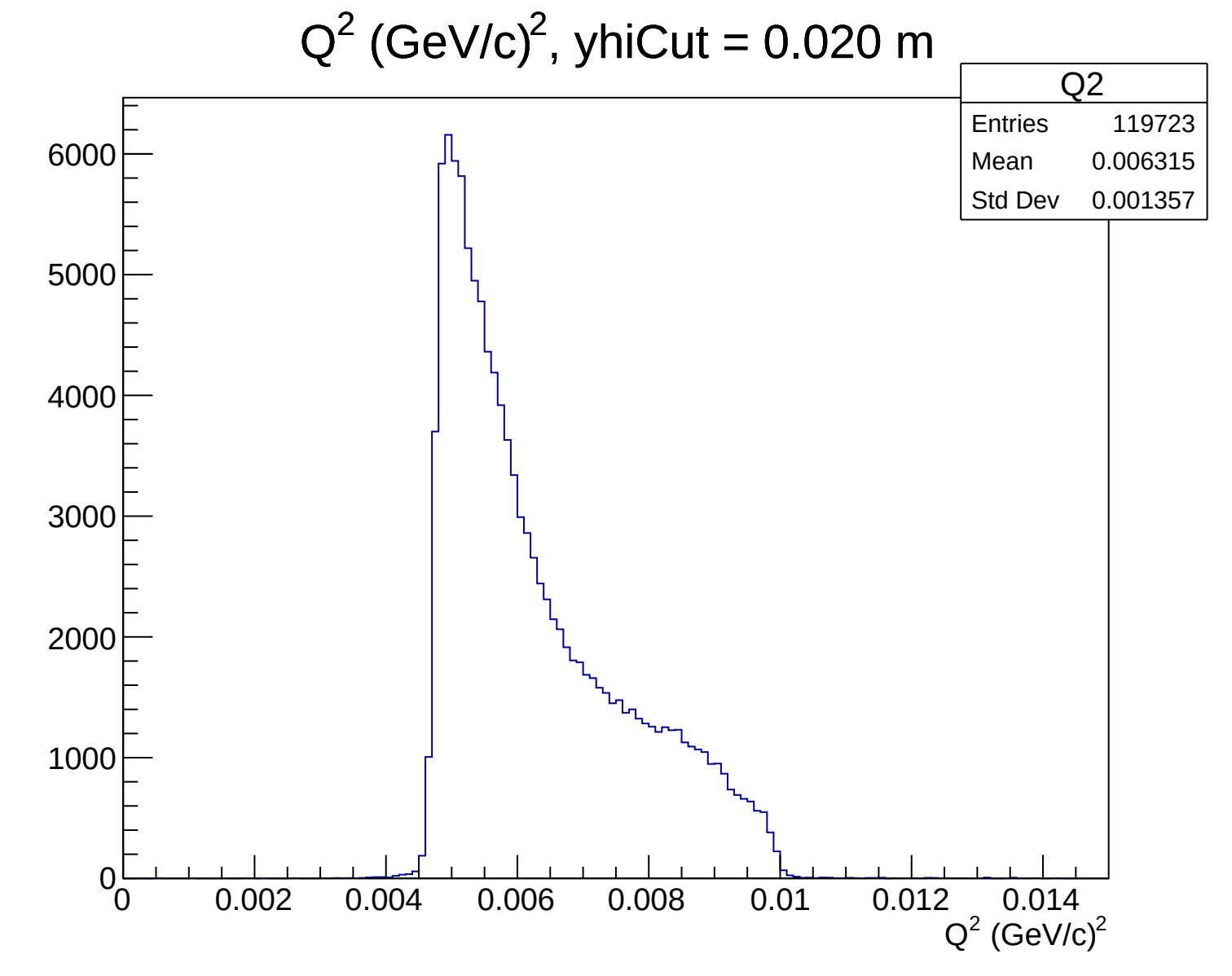

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

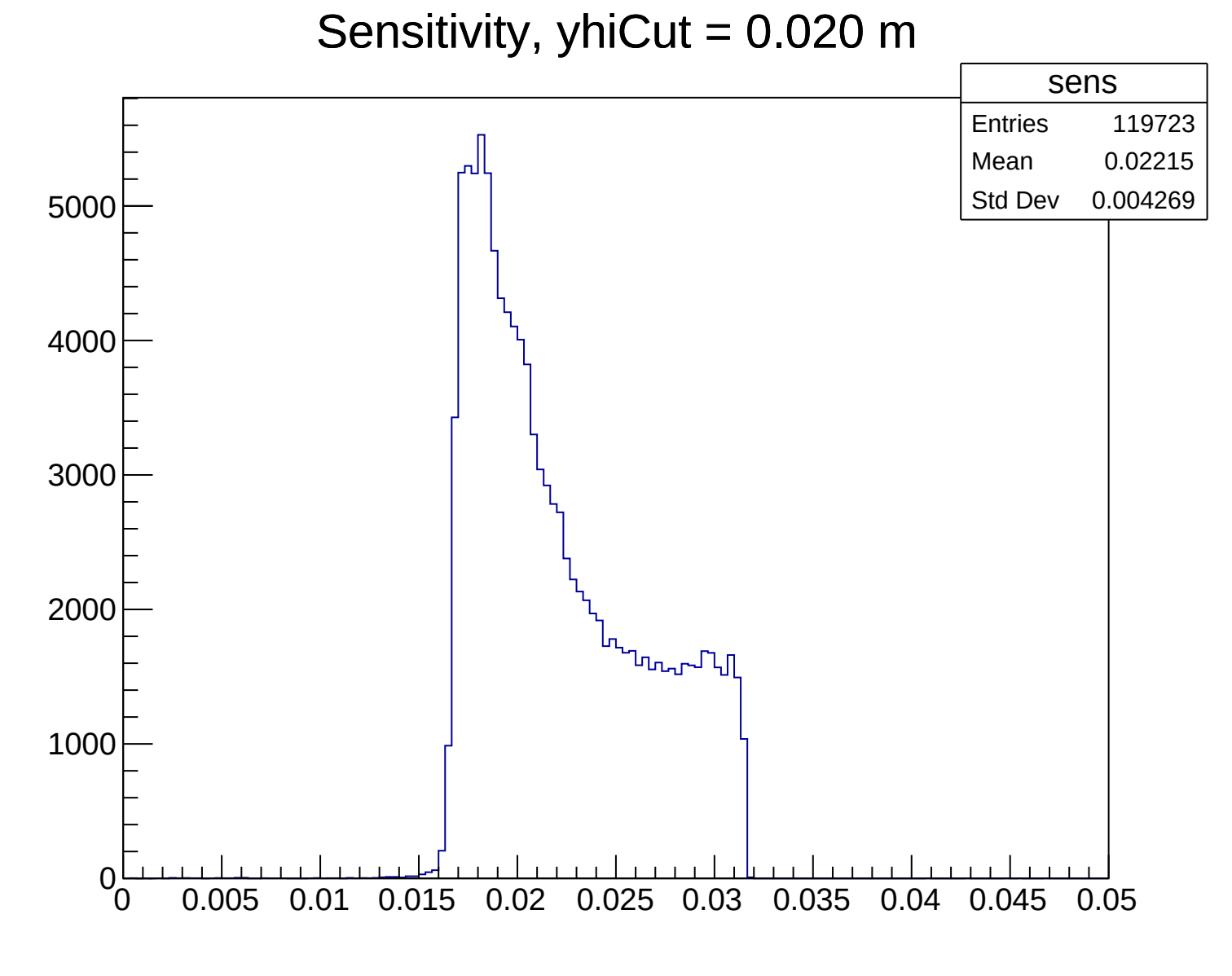

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

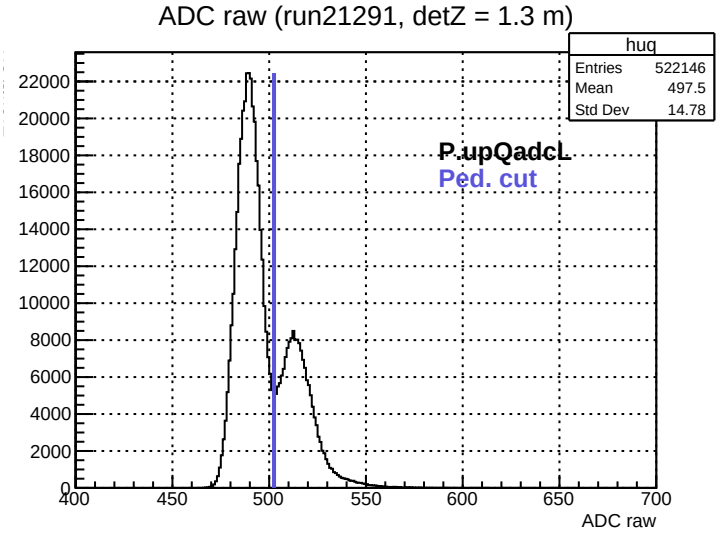

θlab (deg), yhiCut = 0.020 m
Theta
Entries 119723
Mean 4.776
Std Dev 0.4999
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

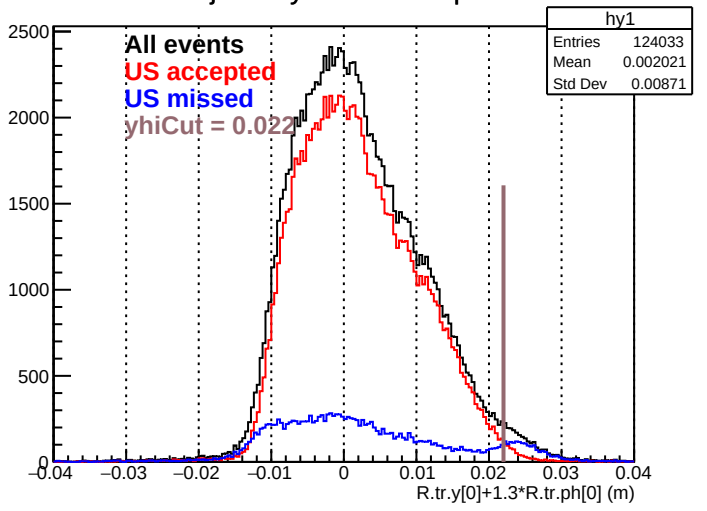

Asymmetry (ppm), yhiCut = 0.020 m
Asym
Entries 119723
Mean 0.568
Std Dev 0.08578
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

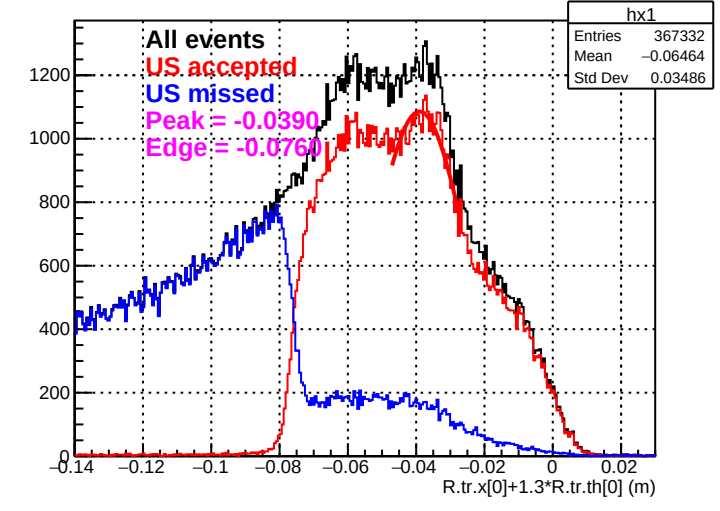

Stretched Asym. (ppm), yhiCut = 0.020 m
SAsym
Entries 119723
Mean 0.5551
Std Dev 0.08164
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

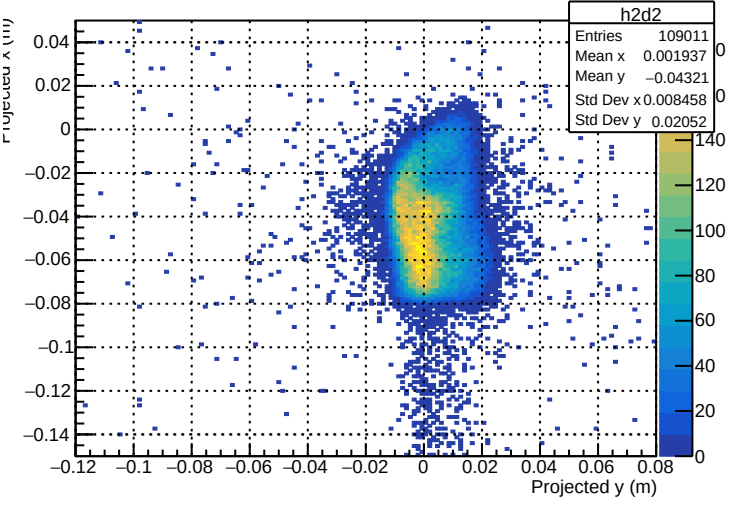

Q^2 (GeV/c)^2, yhiCut = 0.020 m
Q2
Entries 119723
Mean 0.006315
Std Dev 0.001357
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

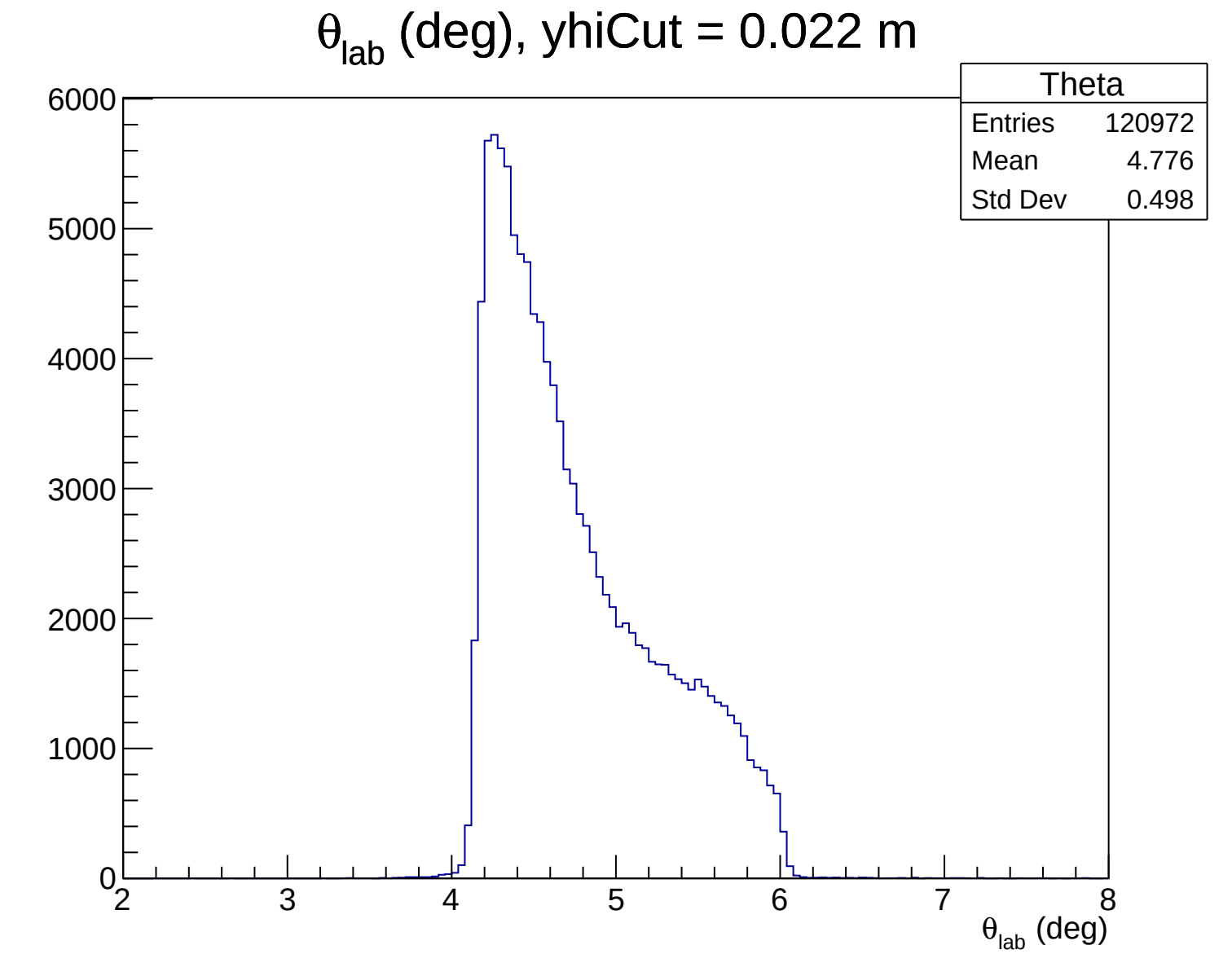

Sensitivity, yhiCut = 0.020 m
sens
Entries 119723
Mean 0.02215
Std Dev 0.004269
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

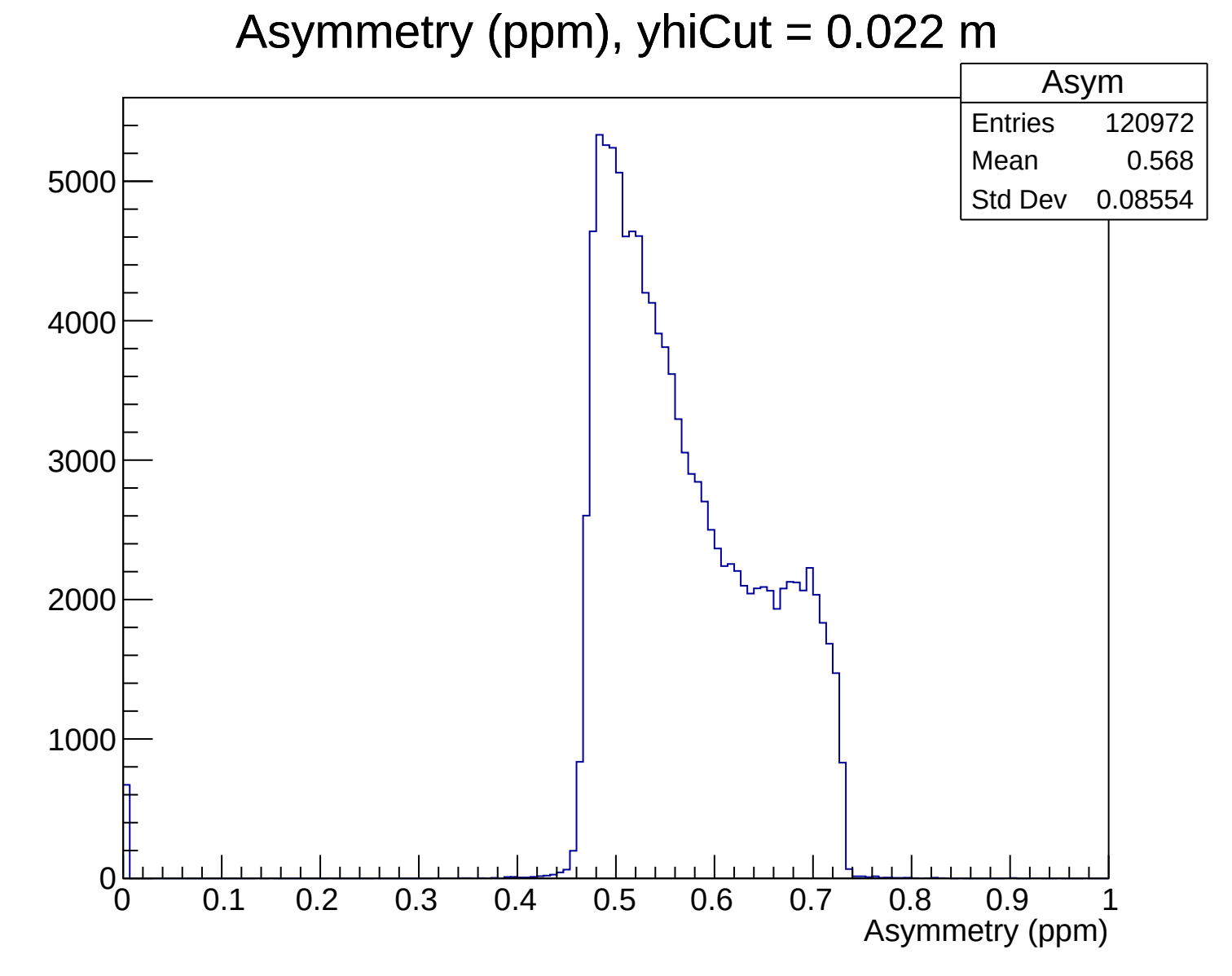

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

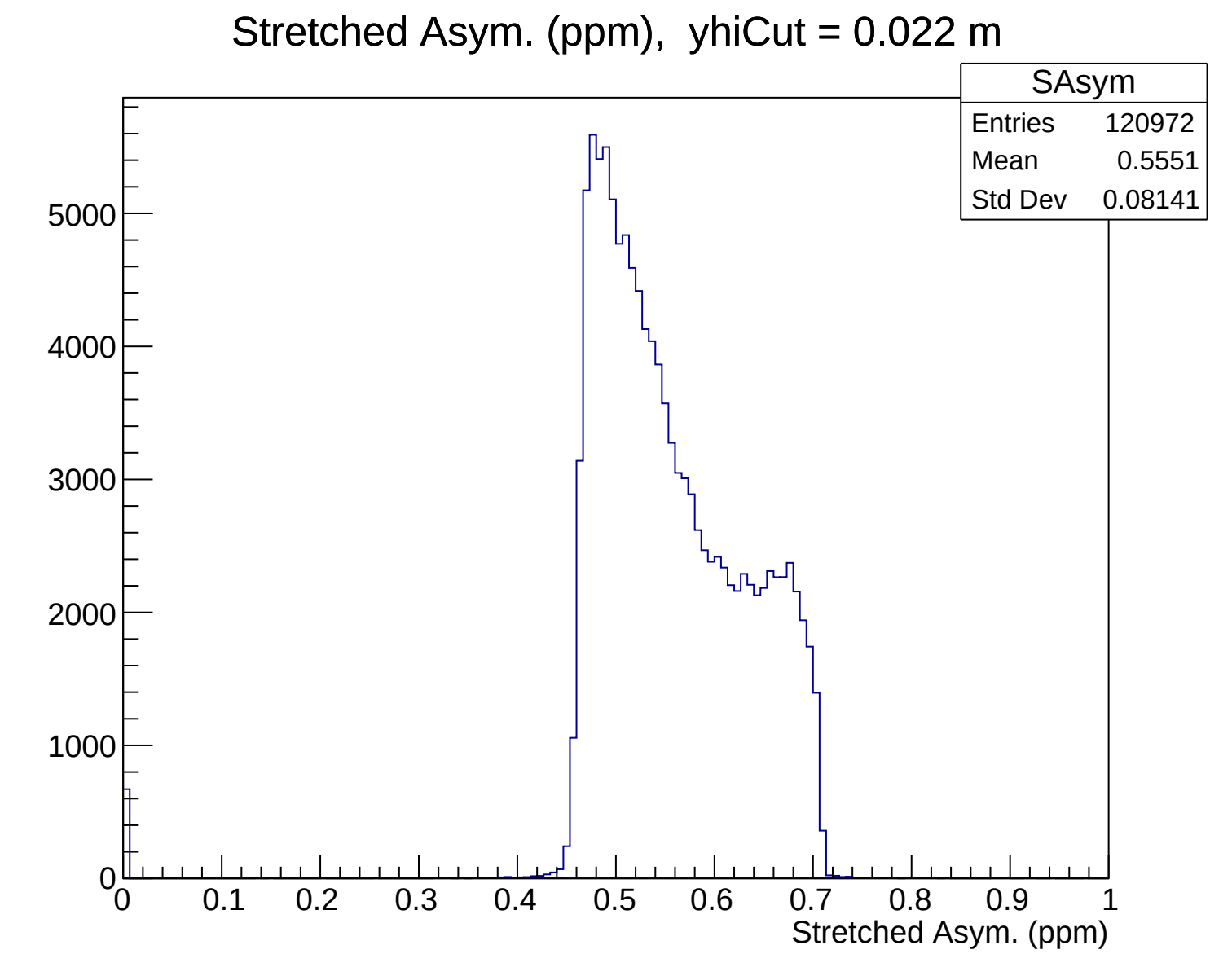

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.022
R.tr.y[0]+1.3*R.tr.ph[0] (m)

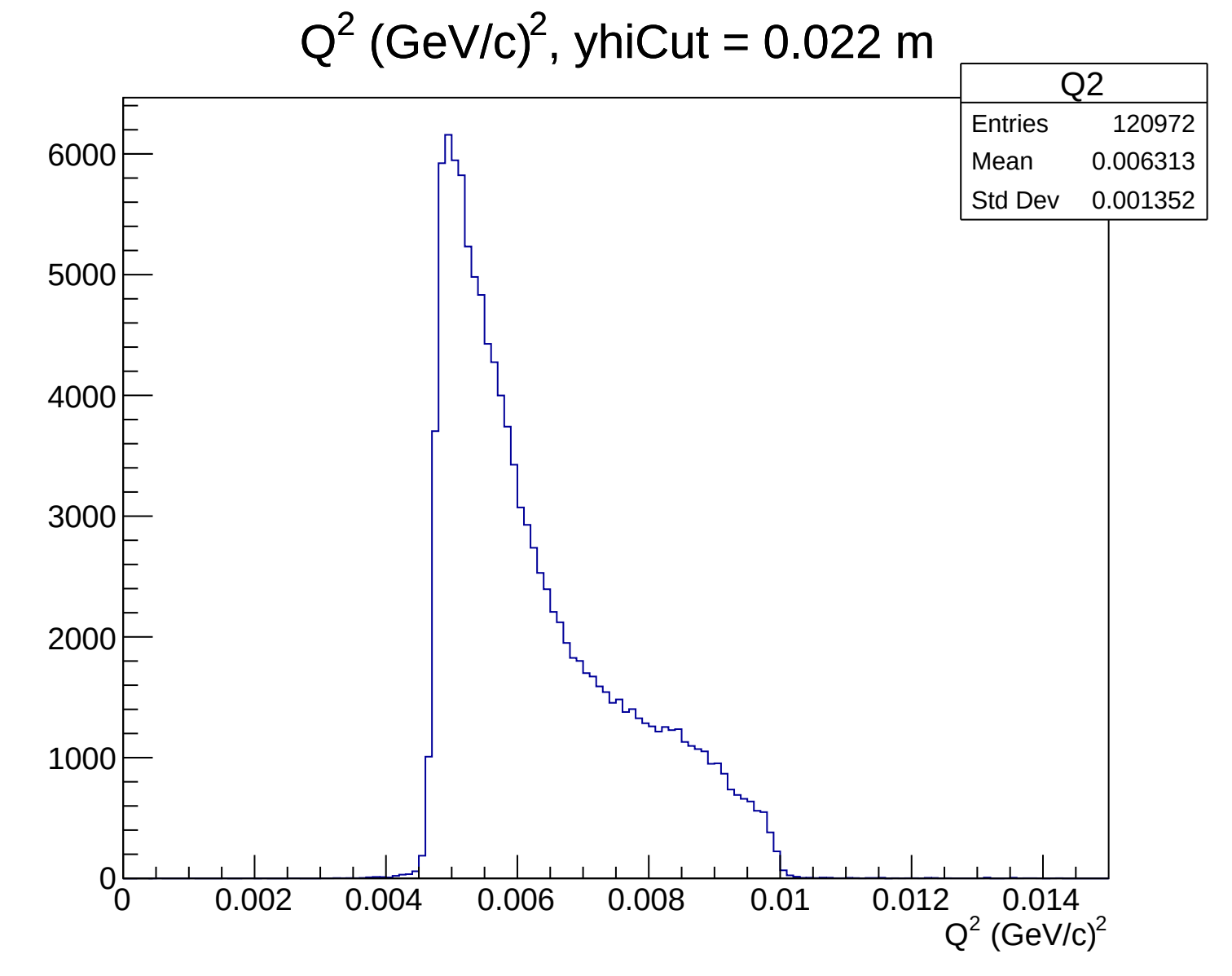

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

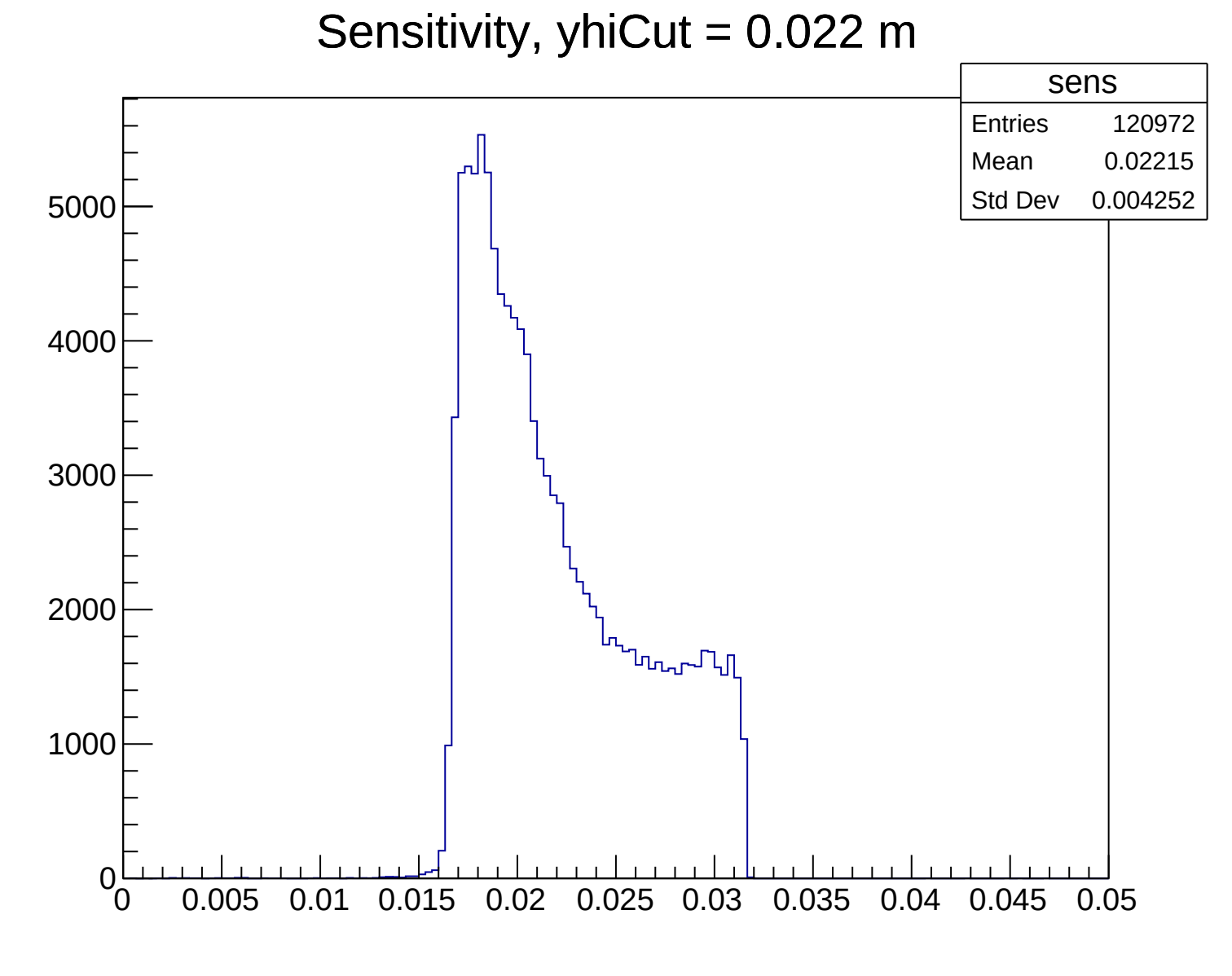

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

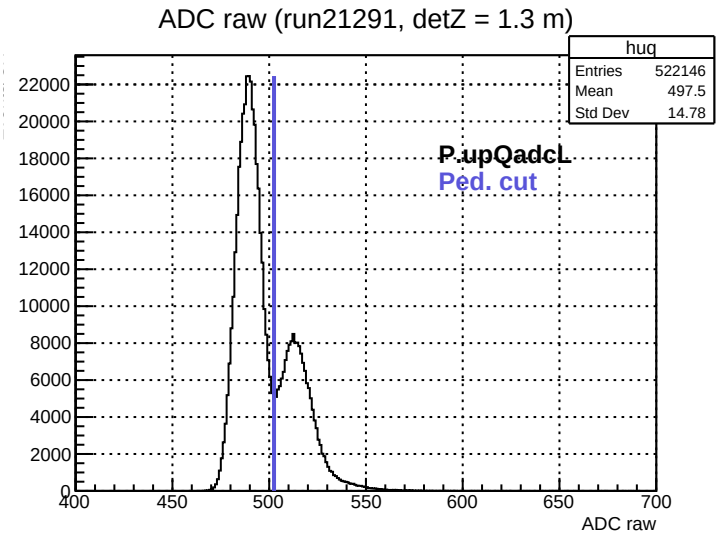

θlab (deg), yhiCut = 0.022 m
Theta
Entries 120972
Mean 4.776
Std Dev 0.498
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

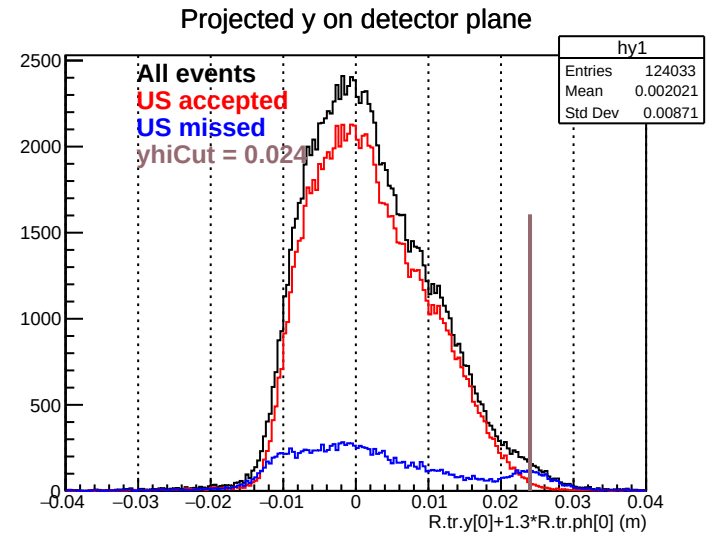

Asymmetry (ppm), yhiCut = 0.022 m
Asym
Entries 120972
Mean 0.568
Std Dev 0.08554
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

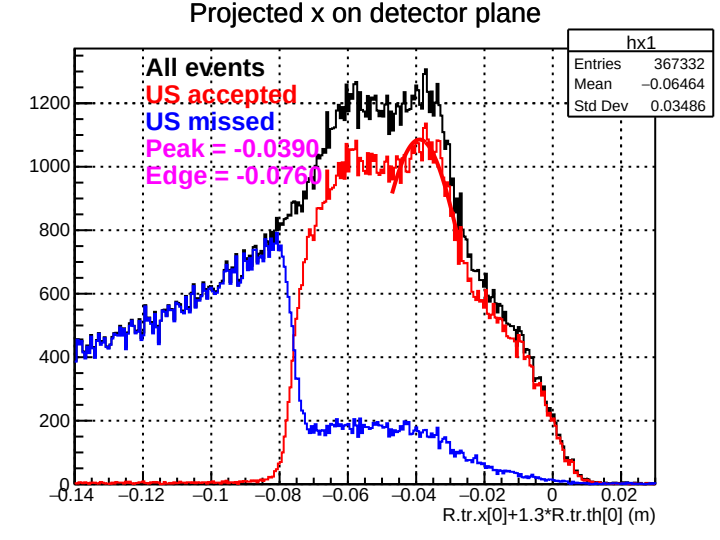

Stretched Asym. (ppm), yhiCut = 0.022 m
SAsym
Entries 120972
Mean 0.5551
Std Dev 0.08141
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

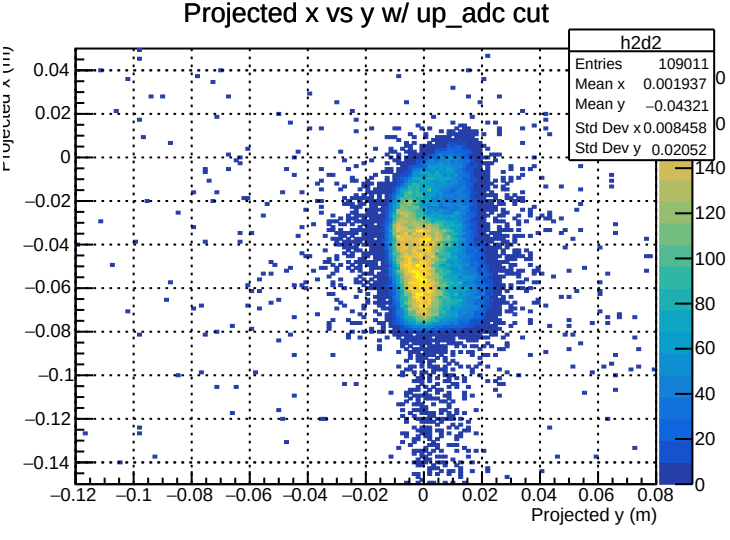

Q^2 (GeV/c)^2, yhiCut = 0.022 m
Q2
Entries 120972
Mean 0.006313
Std Dev 0.001352
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

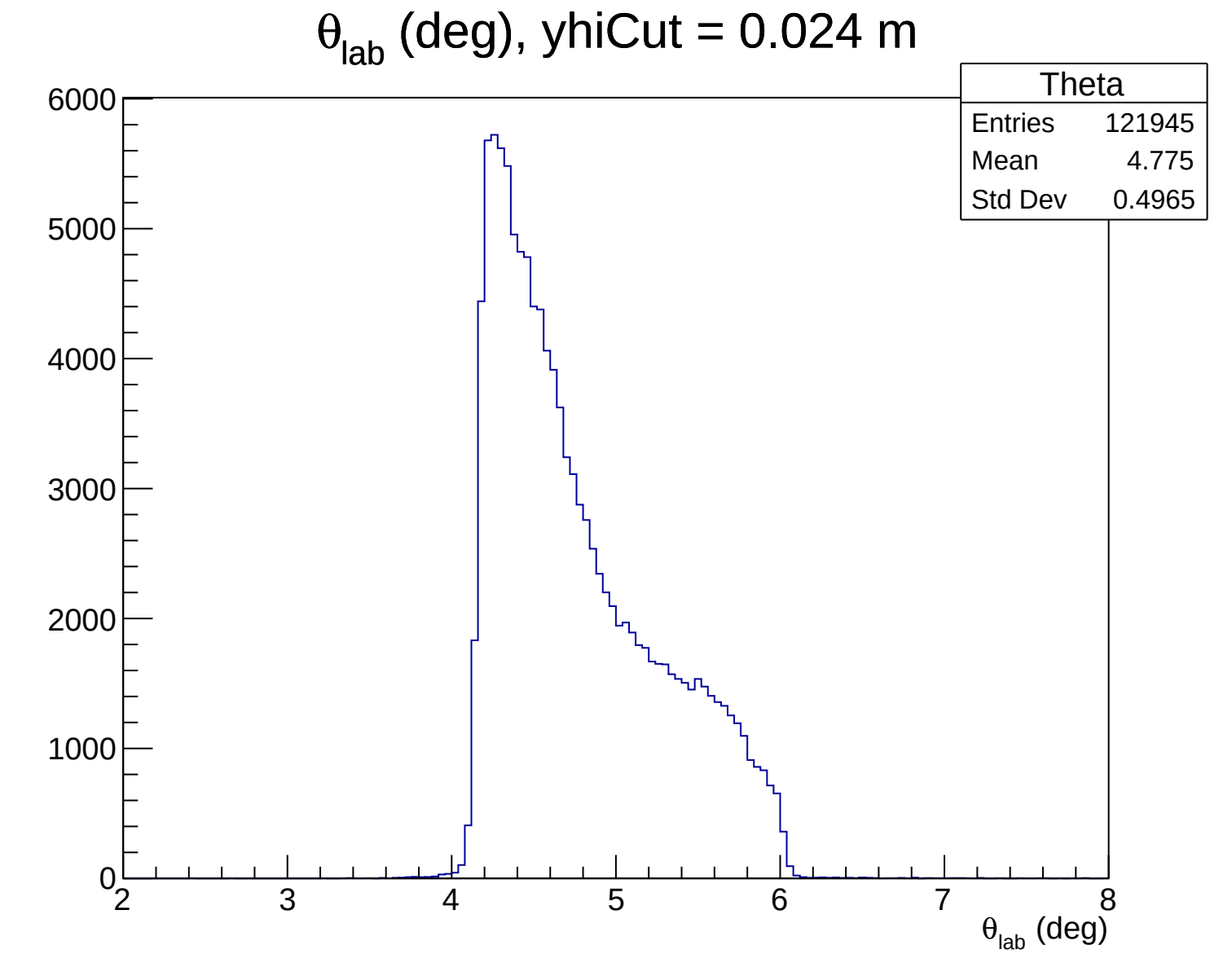

Sensitivity, yhiCut = 0.022 m
sens
Entries 120972
Mean 0.02215
Std Dev 0.004252
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

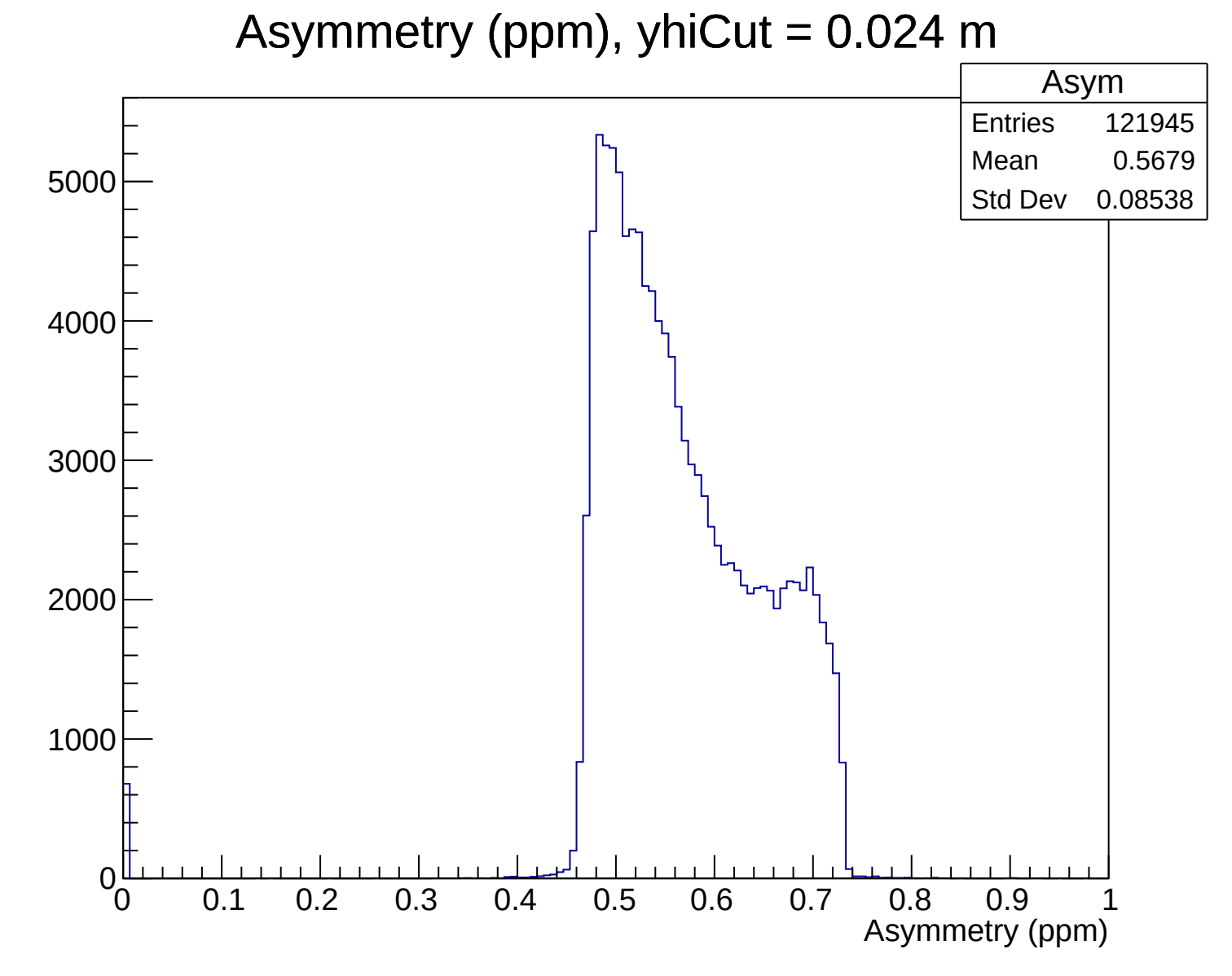

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

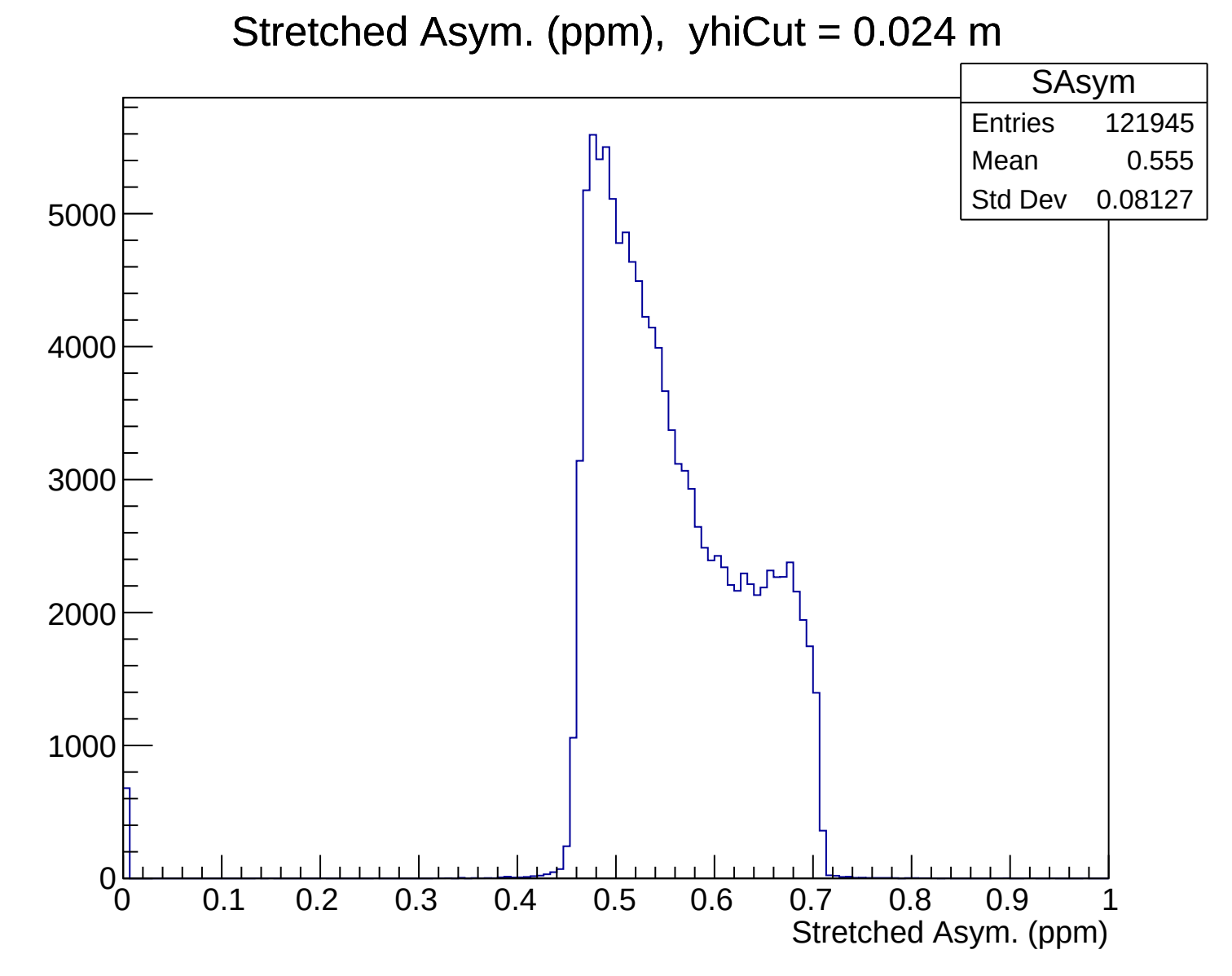

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.024
R.tr.y[0]+1.3*R.tr.ph[0] (m)

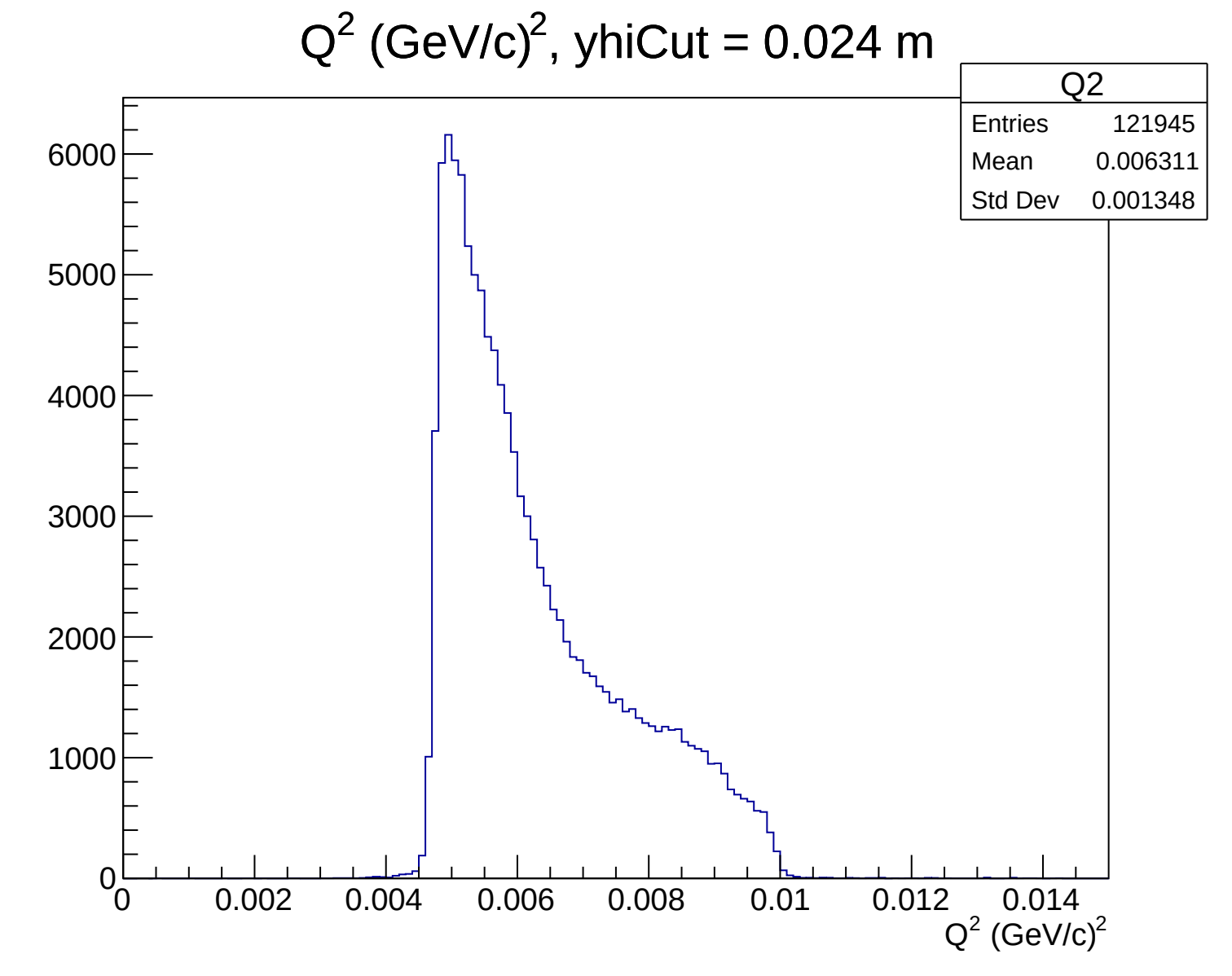

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

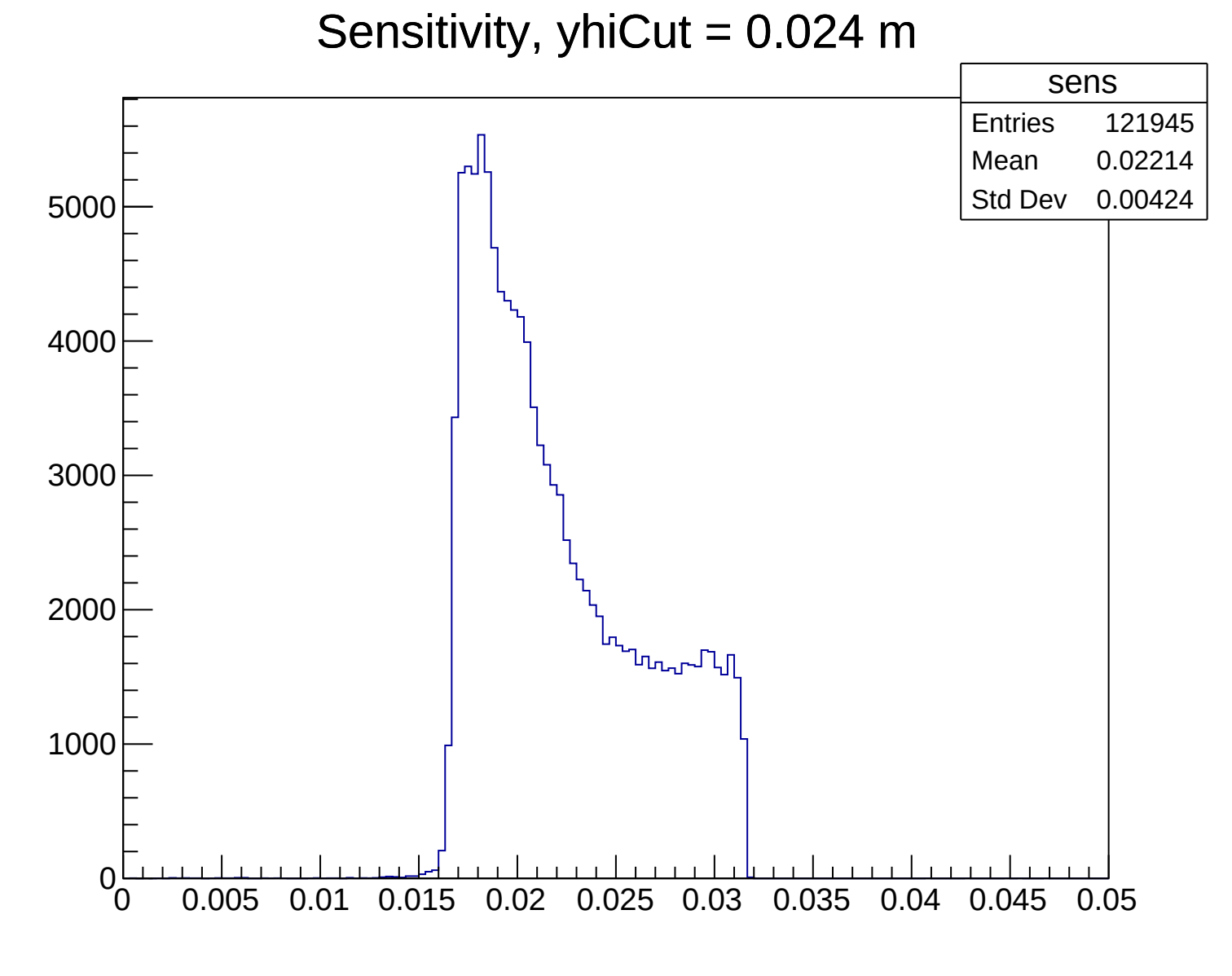

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

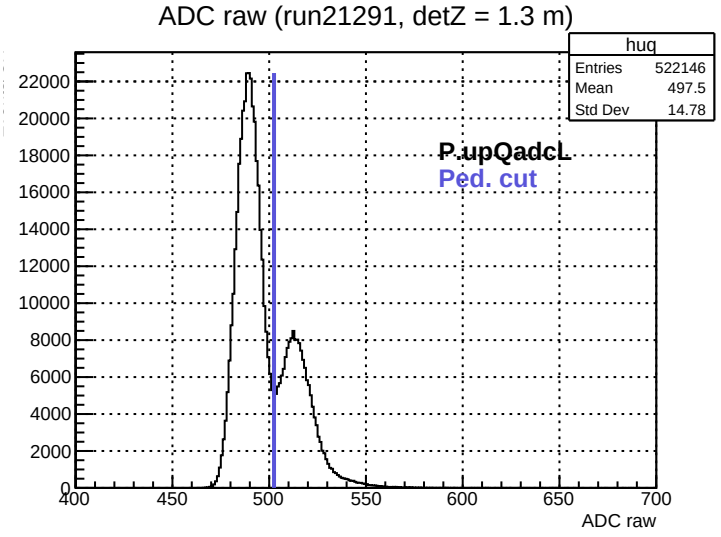

θlab (deg), yhiCut = 0.024 m
Theta
Entries 121945
Mean 4.775
Std Dev 0.4965
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

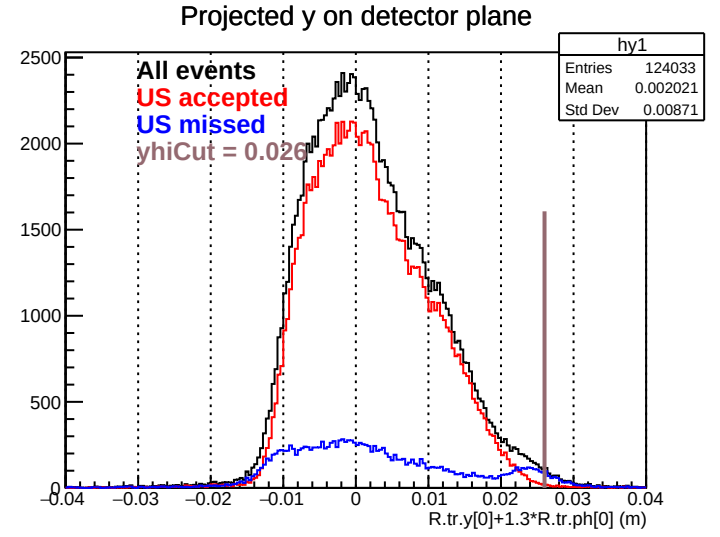

Asymmetry (ppm), yhiCut = 0.024 m
Asym
Entries 121945
Mean 0.5679
Std Dev 0.08538
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

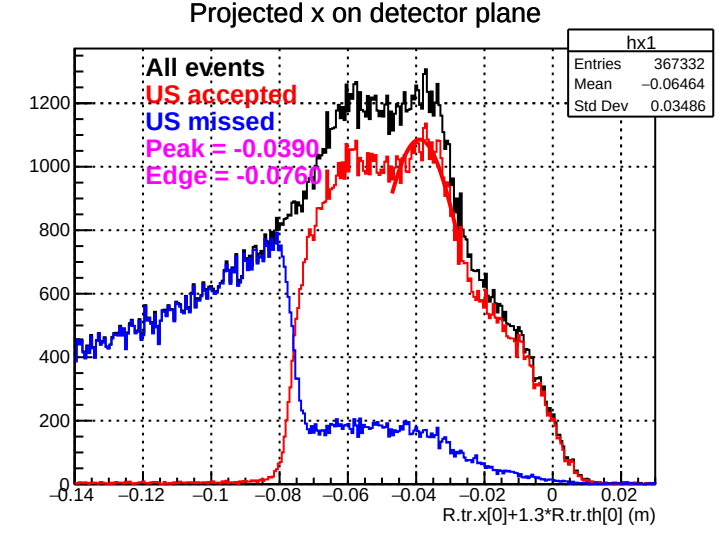

Stretched Asym. (ppm), yhiCut = 0.024 m
SAsym
Entries 121945
Mean 0.555
Std Dev 0.08127
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

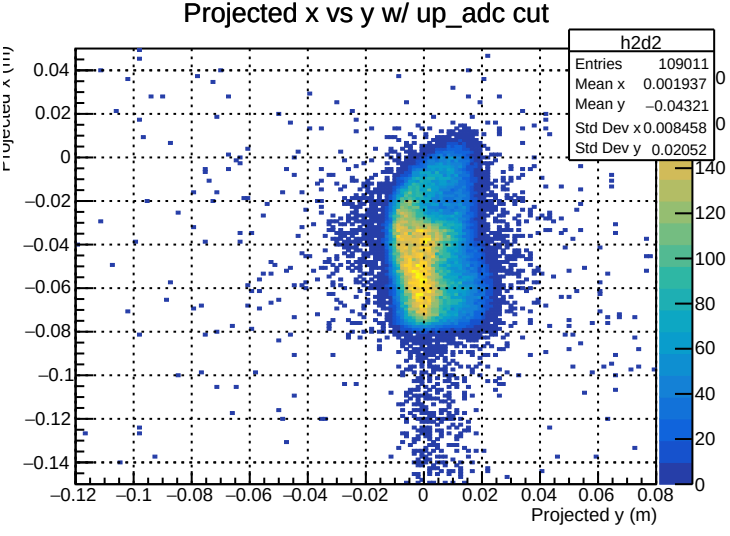

Q^2 (GeV/c)^2, yhiCut = 0.024 m
Q2
Entries 121945
Mean 0.006311
Std Dev 0.001348
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

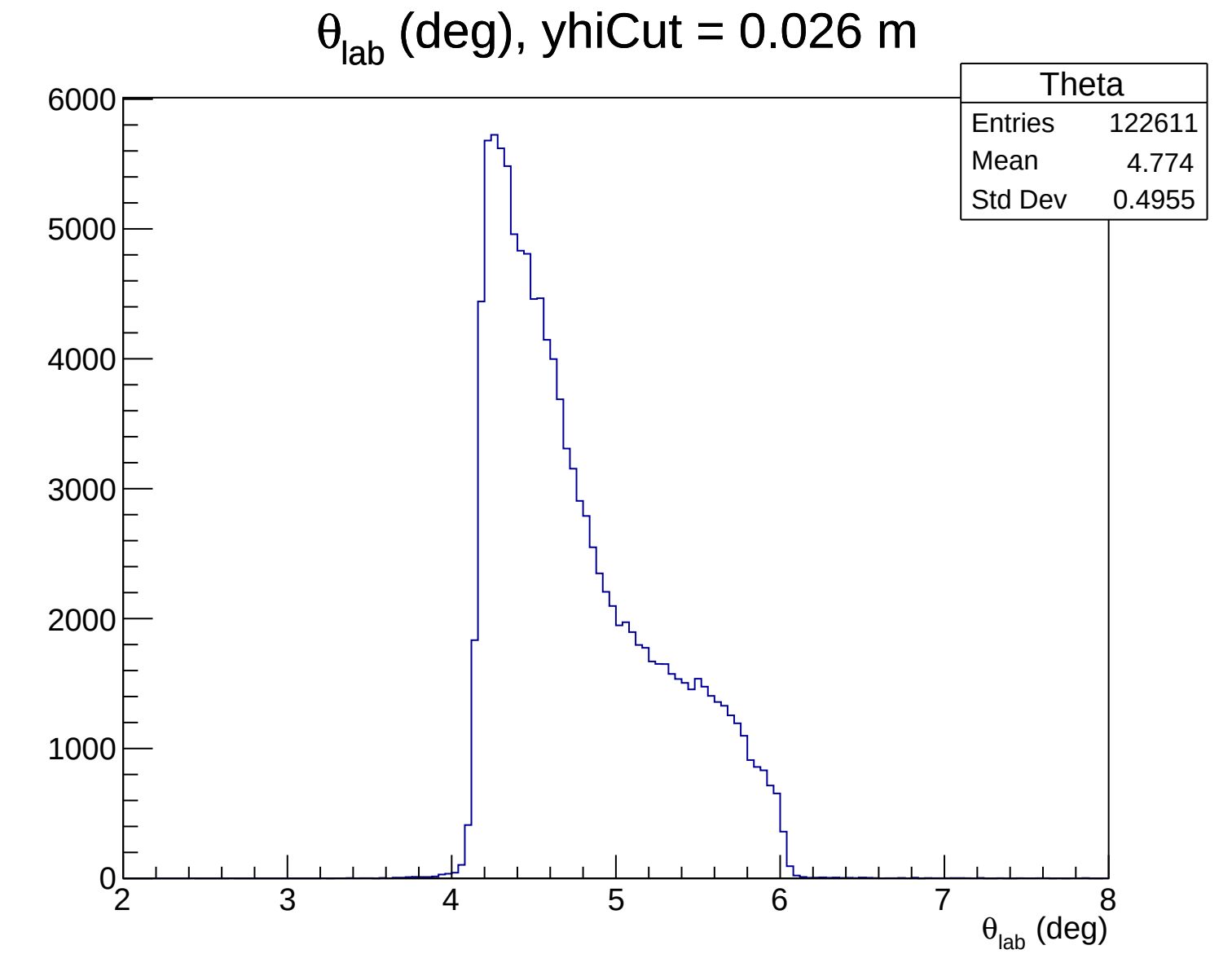

Sensitivity, yhiCut = 0.024 m
sens
Entries 121945
Mean 0.02214
Std Dev 0.00424
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

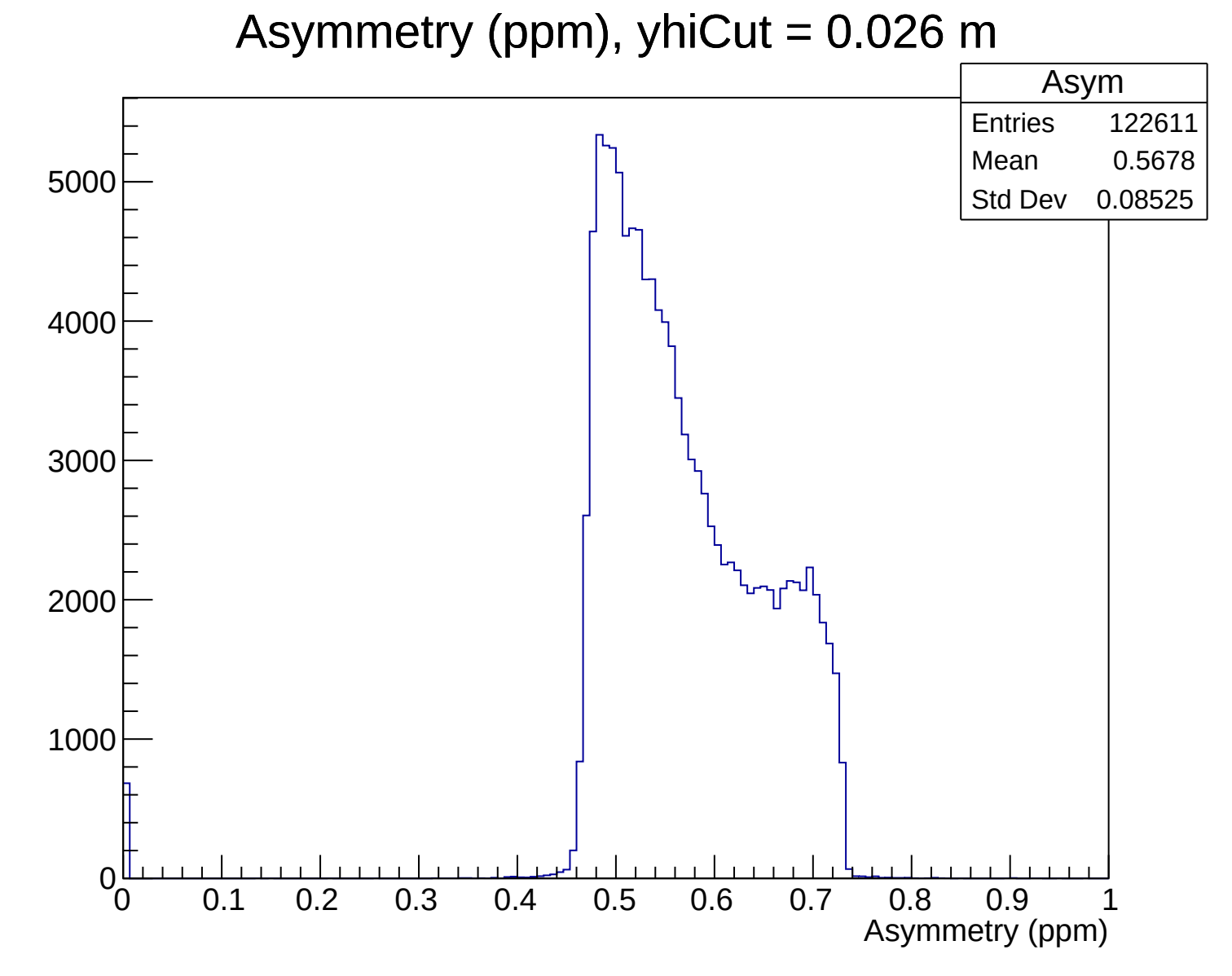

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

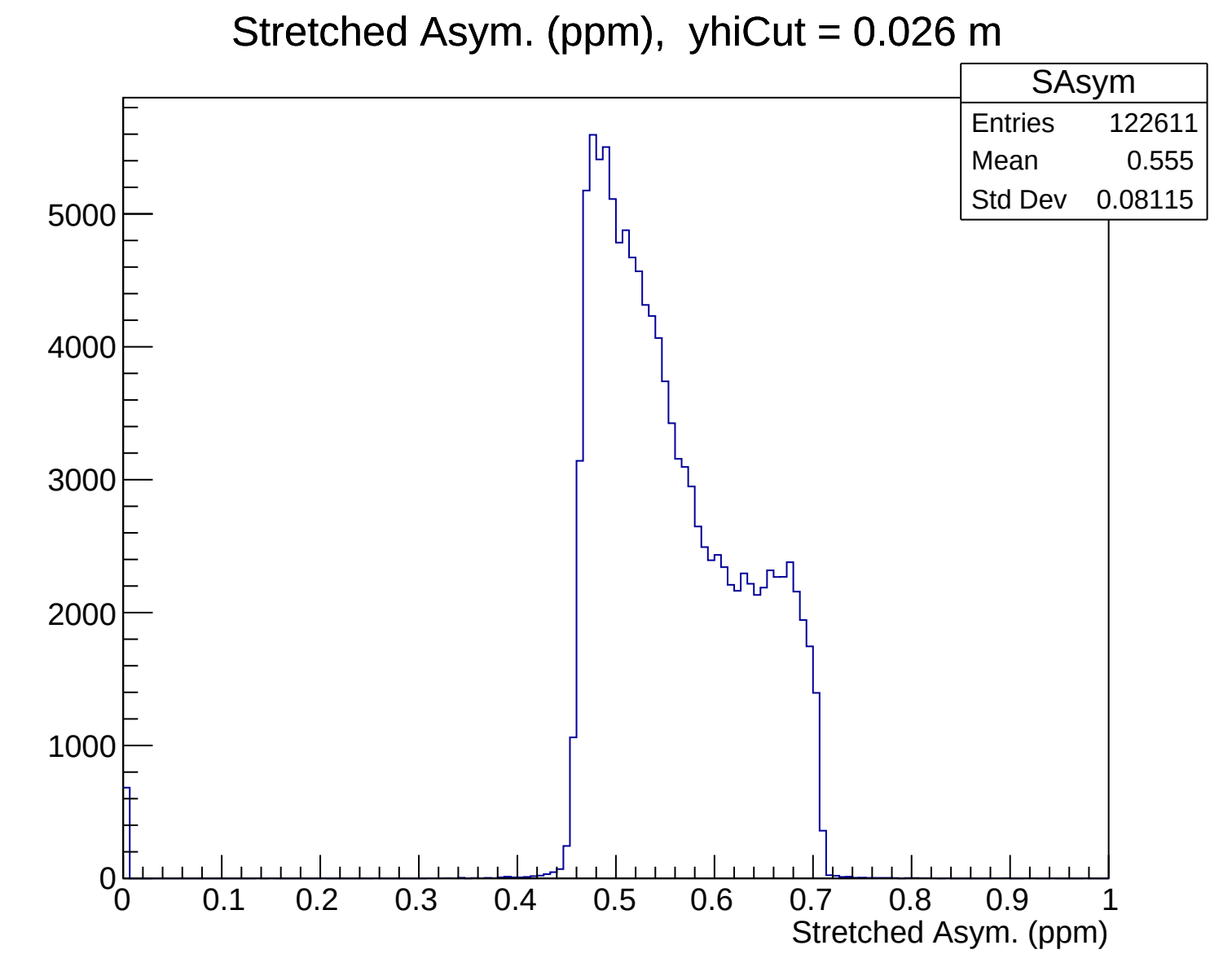

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.026
R.tr.y[0]+1.3*R.tr.ph[0] (m)

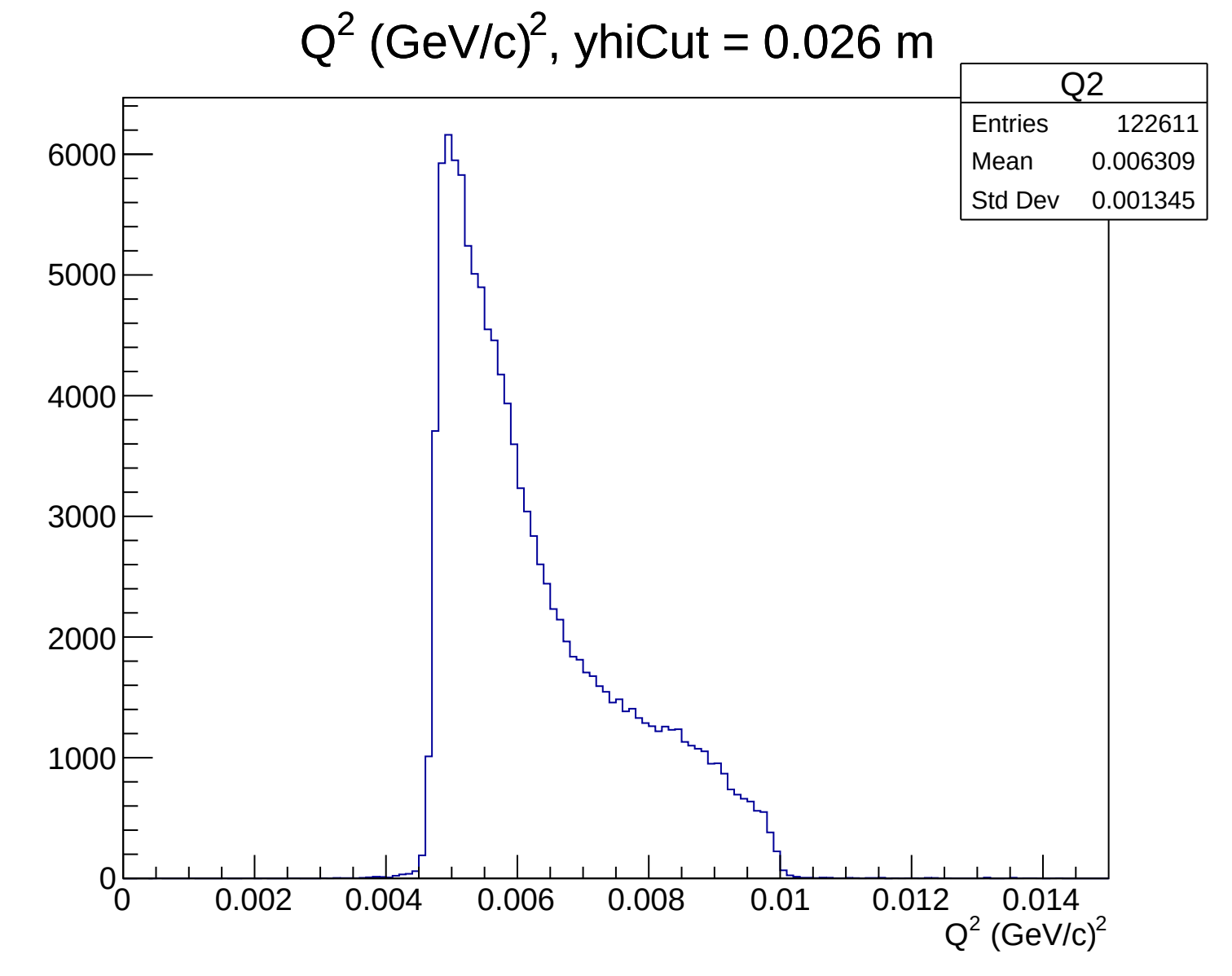

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

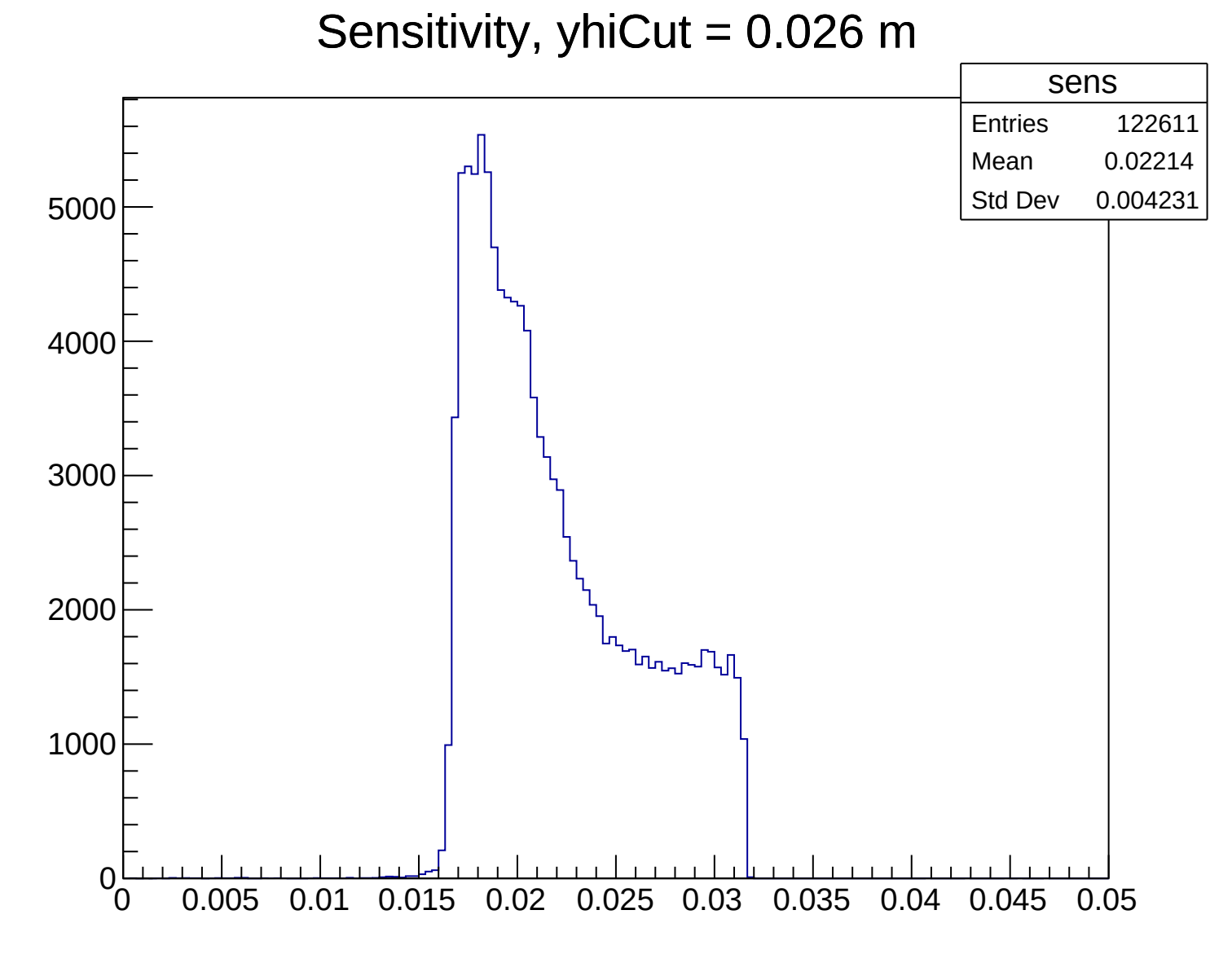

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

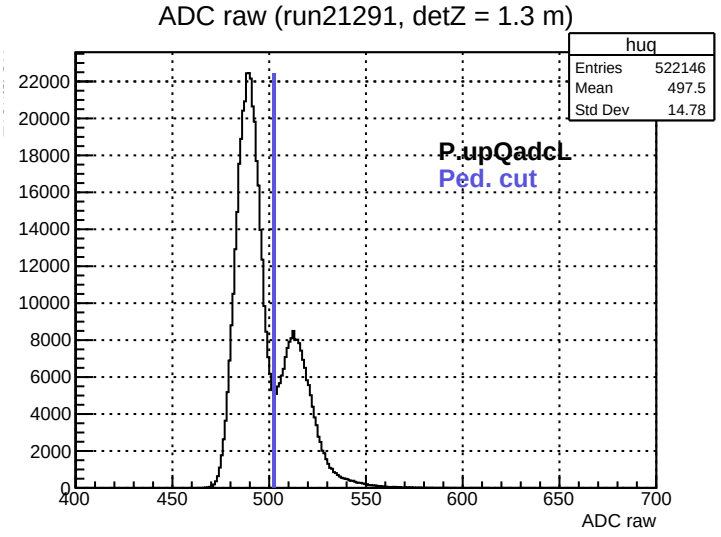

θlab (deg), yhiCut = 0.026 m
Theta
Entries 122611
Mean 4.774
Std Dev 0.4955
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

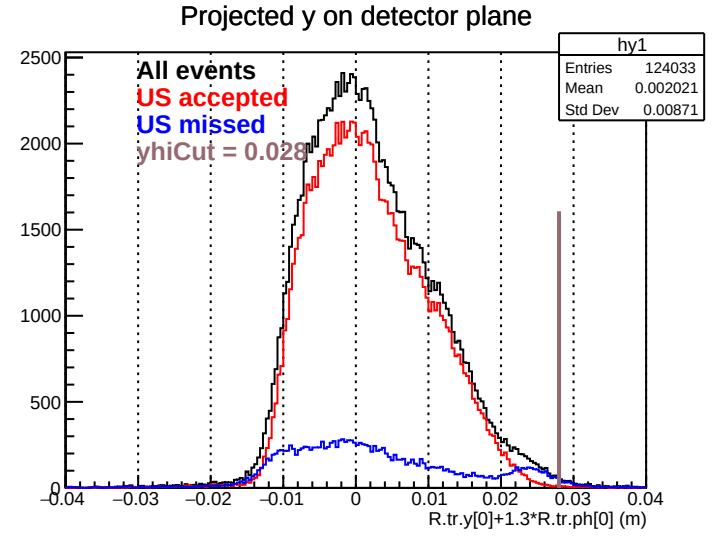

Asymmetry (ppm), yhiCut = 0.026 m
Asym
Entries 122611
Mean 0.5678
Std Dev 0.08525
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

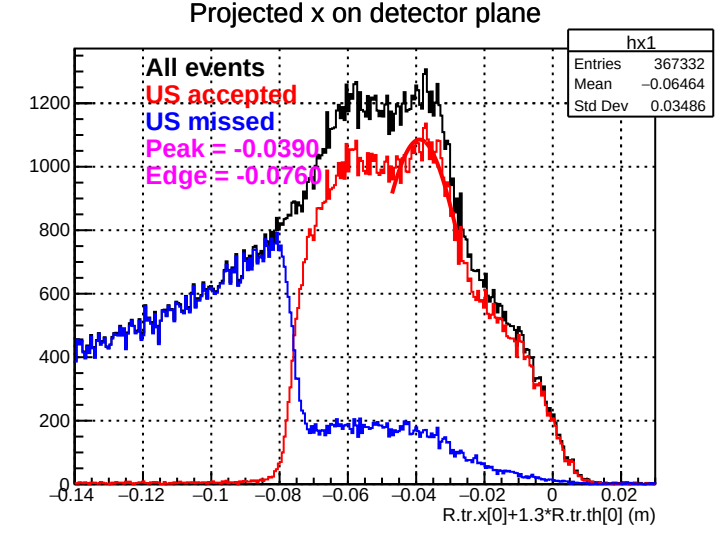

Stretched Asym. (ppm), yhiCut = 0.026 m
SAsym
Entries 122611
Mean 0.555
Std Dev 0.08115
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

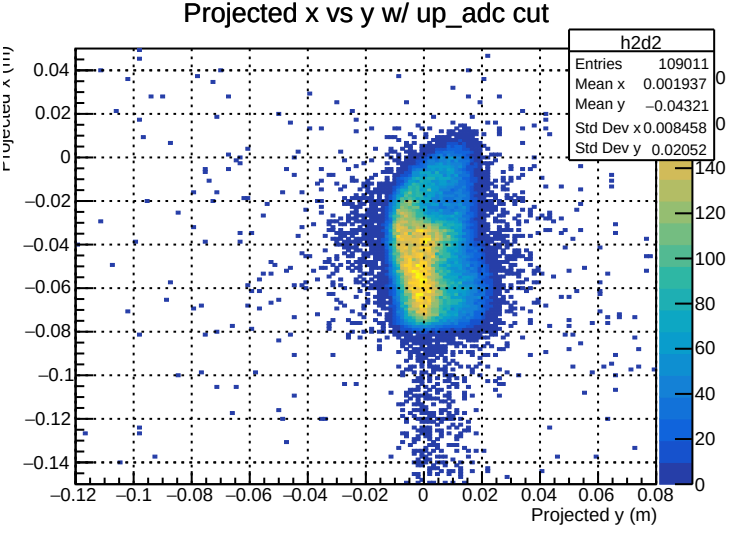

Q^2 (GeV/c)^2, yhiCut = 0.026 m
Q2
Entries 122611
Mean 0.006309
Std Dev 0.001345
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

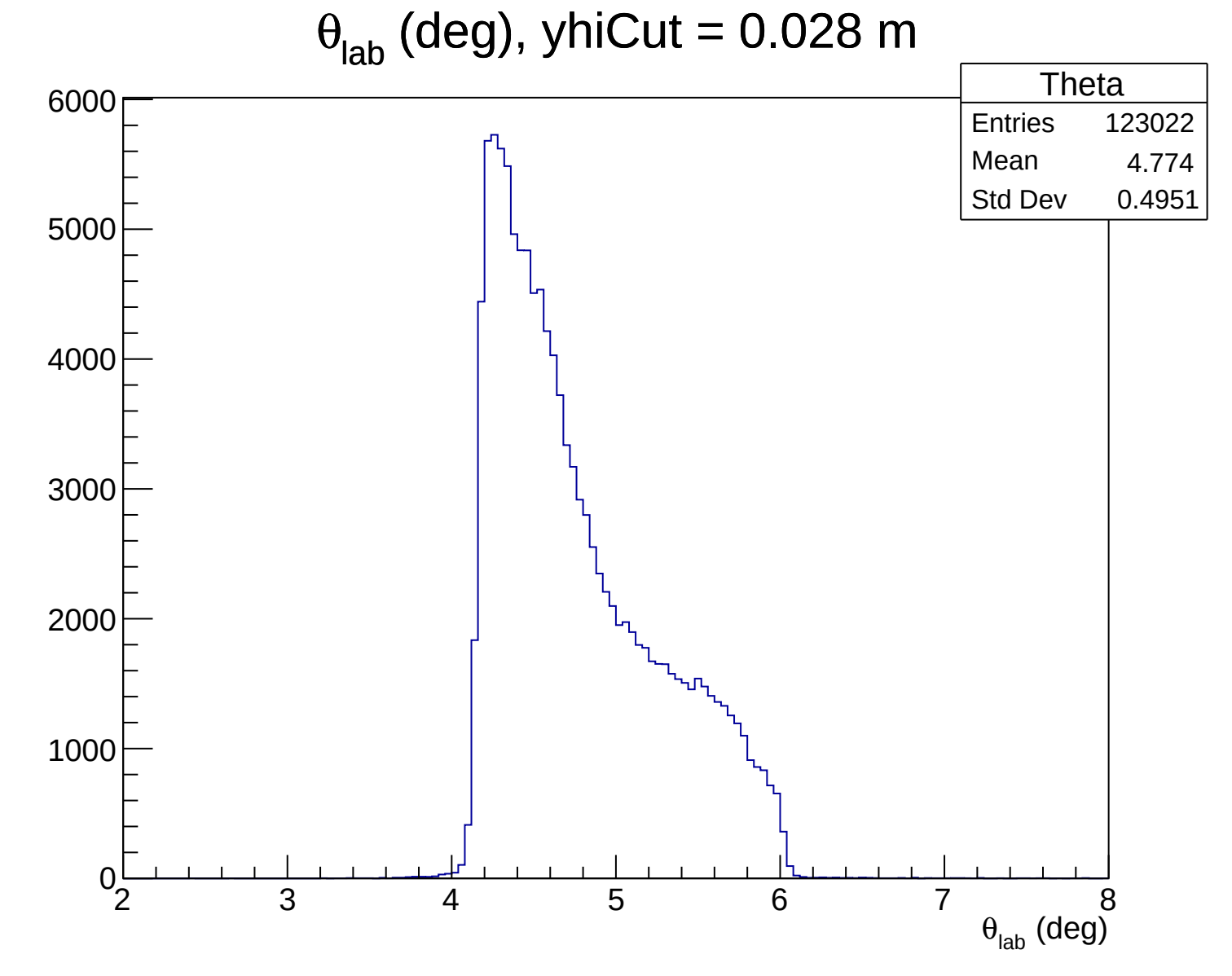

Sensitivity, yhiCut = 0.026 m
sens
Entries 122611
Mean 0.02214
Std Dev 0.004231
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

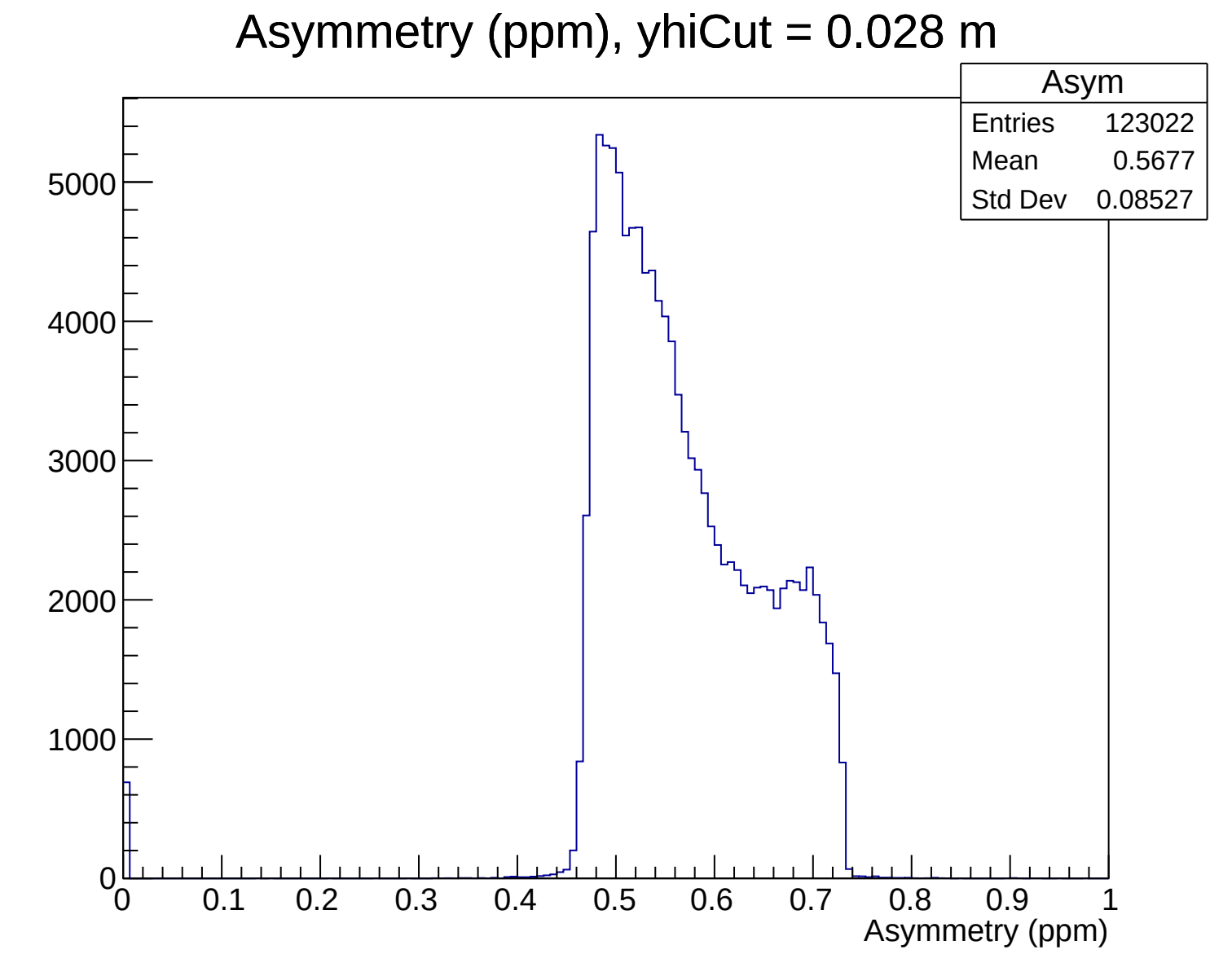

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

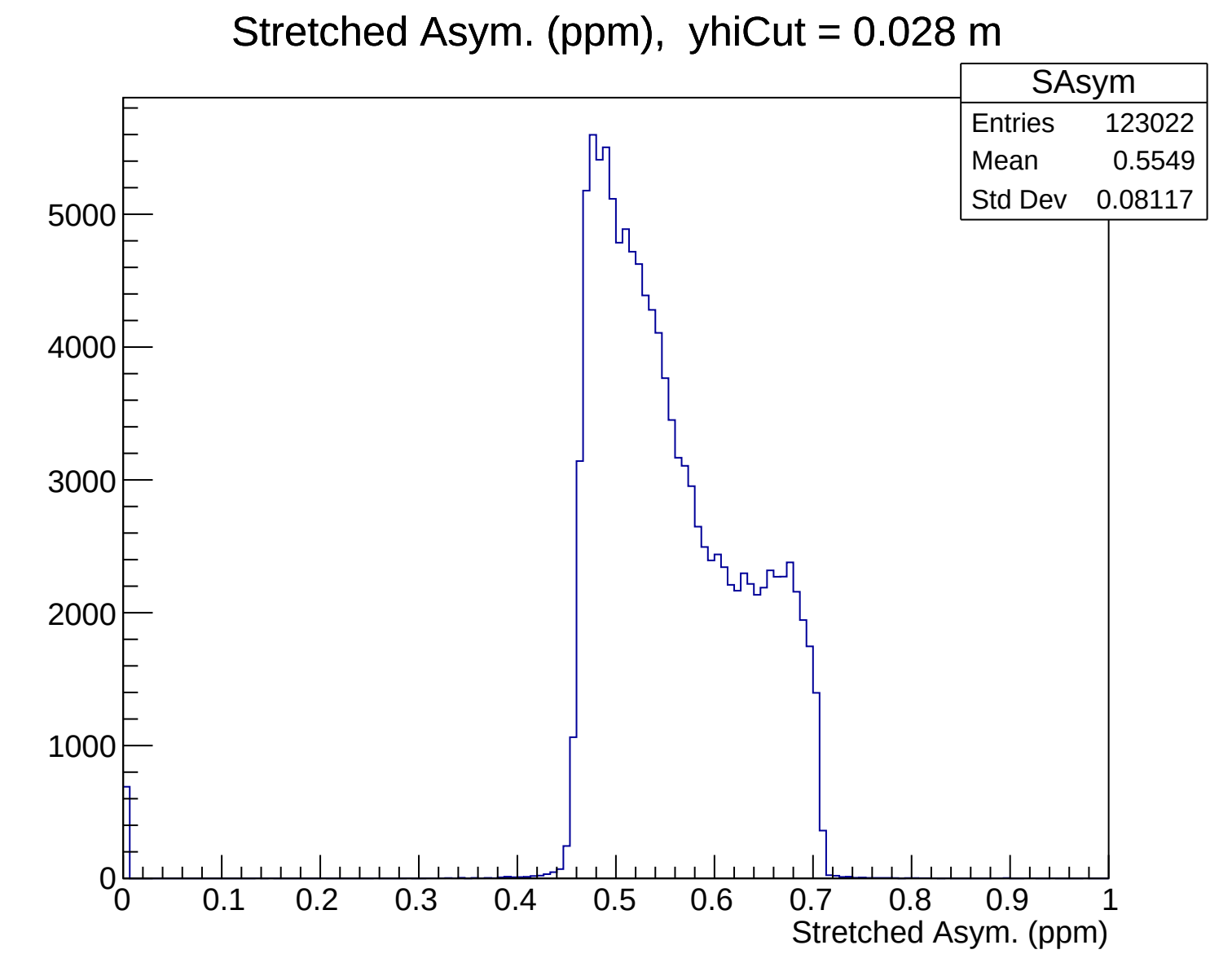

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.028
R.tr.y[0]+1.3*R.tr.ph[0] (m)

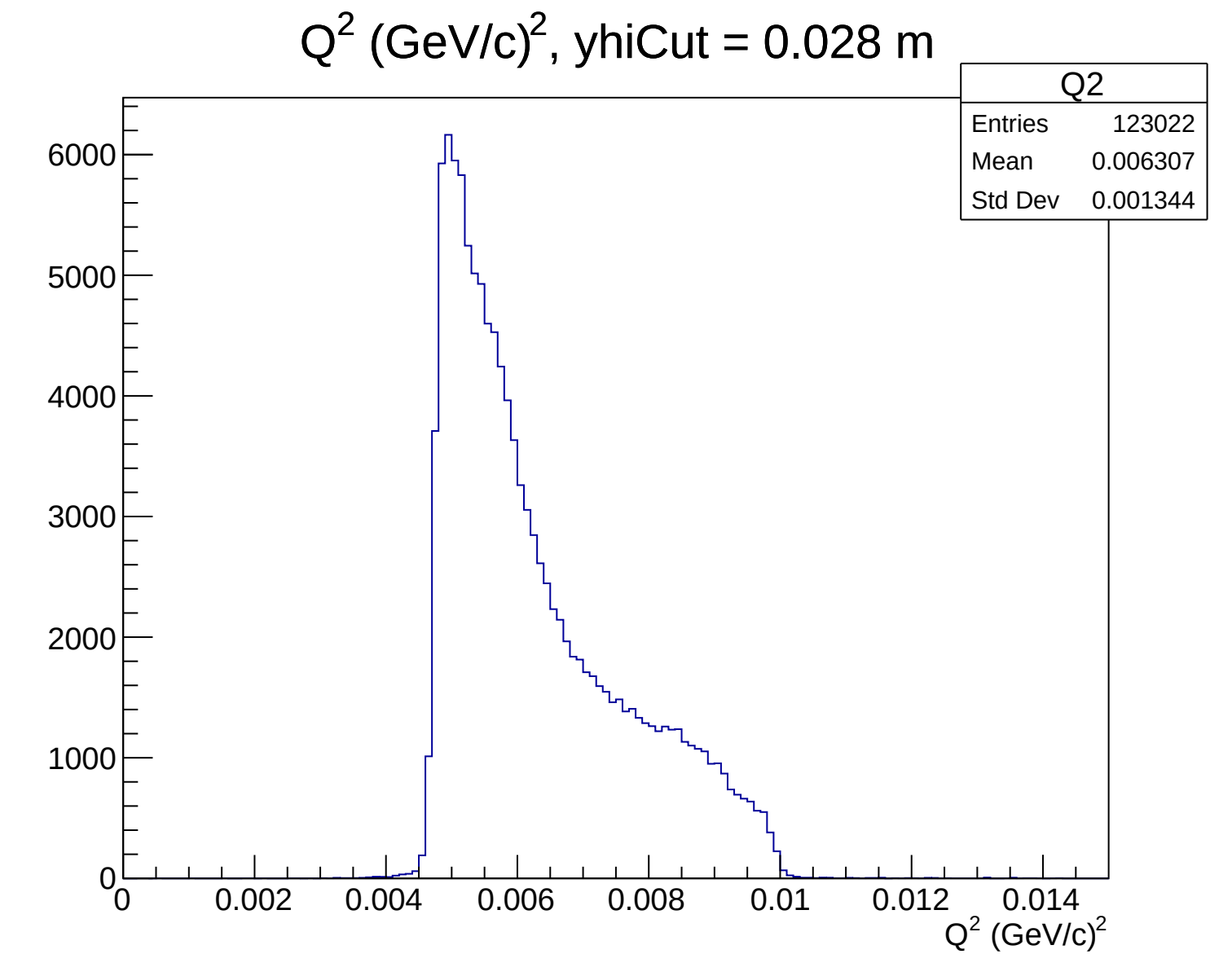

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

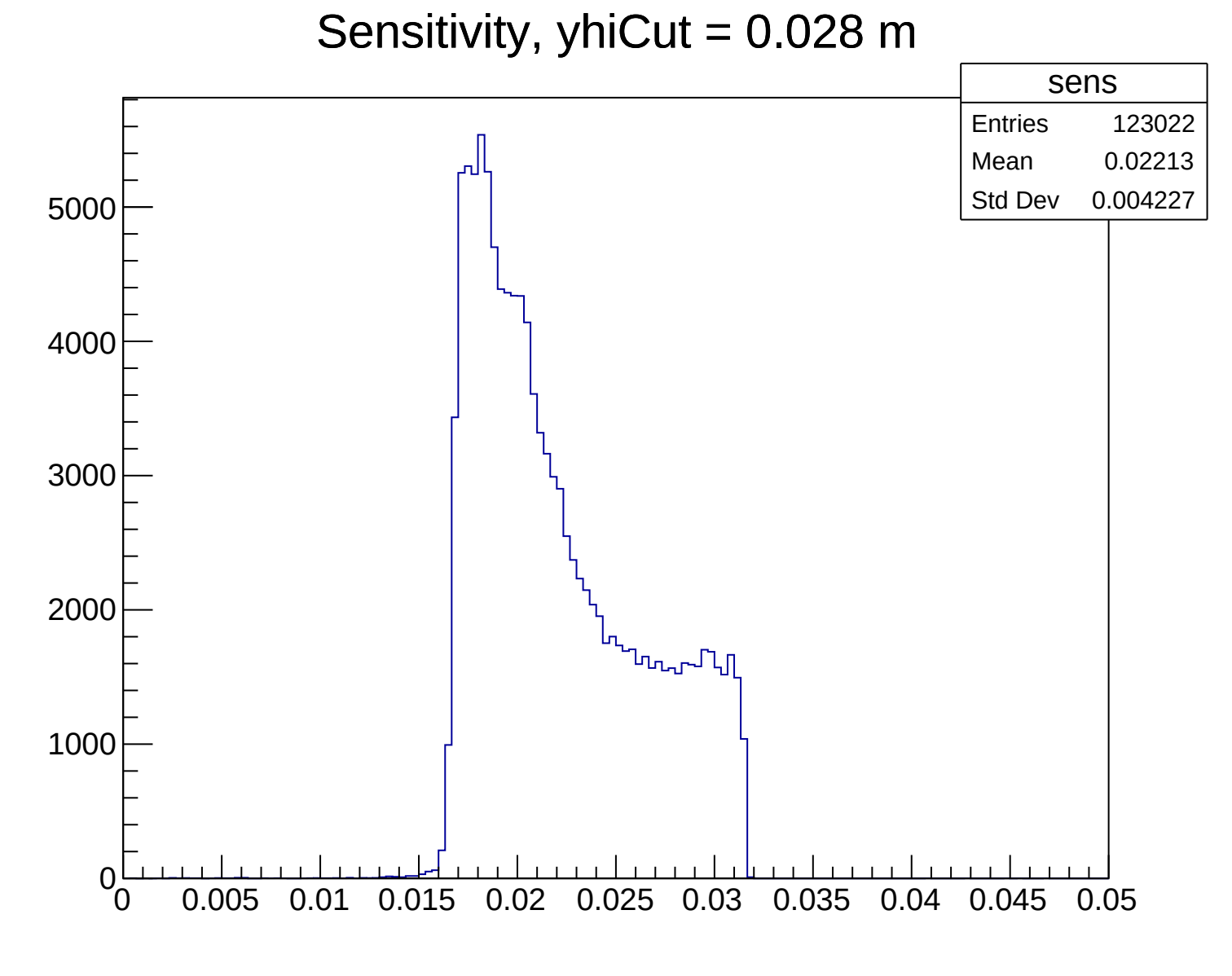

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

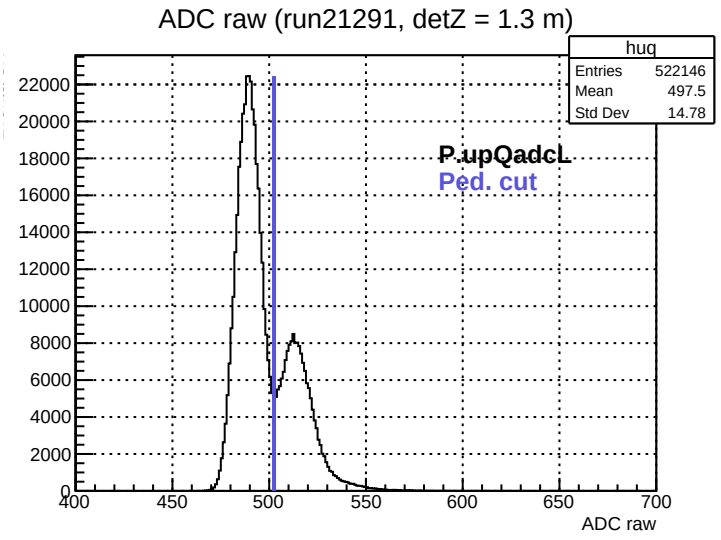

θlab (deg), yhiCut = 0.028 m
Theta
Entries 123022
Mean 4.774
Std Dev 0.4951
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

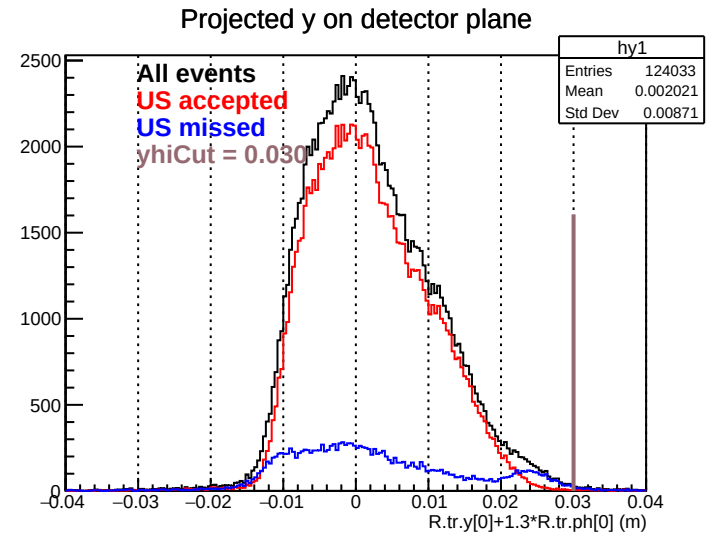

Asymmetry (ppm), yhiCut = 0.028 m
Asym
Entries 123022
Mean 0.5677
Std Dev 0.08527
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

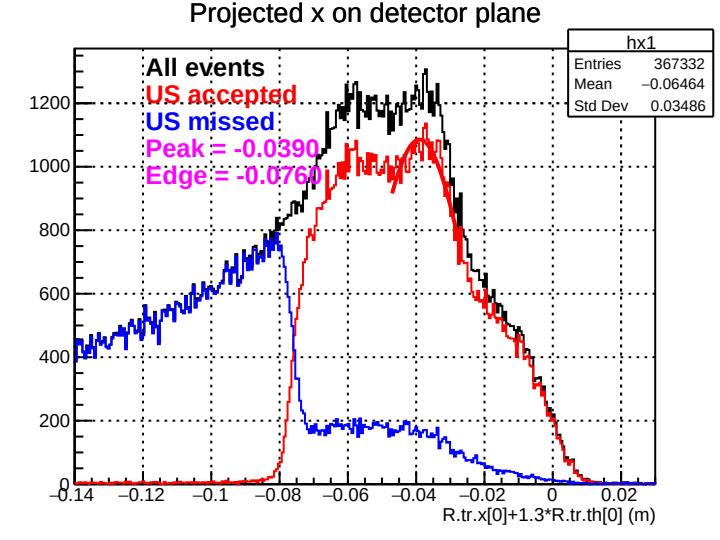

Stretched Asym. (ppm), yhiCut = 0.028 m
SAsym
Entries 123022
Mean 0.5549
Std Dev 0.08117
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

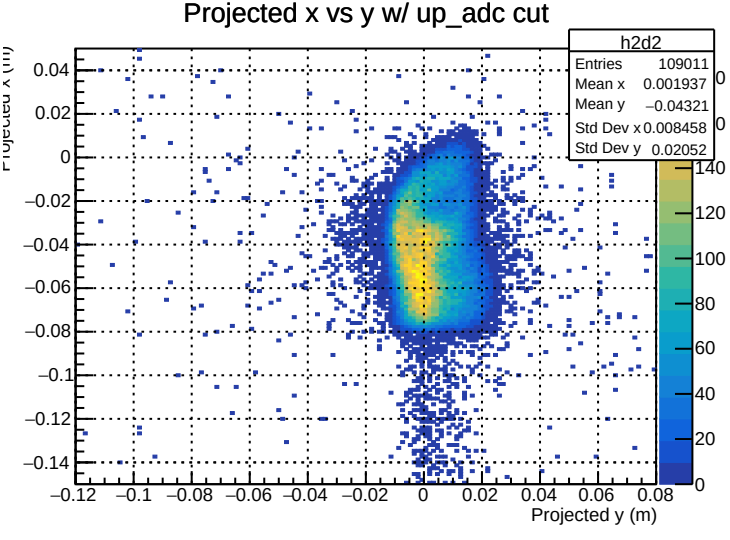

Q^2 (GeV/c)^2, yhiCut = 0.028 m
Q2
Entries 123022
Mean 0.006307
Std Dev 0.001344
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

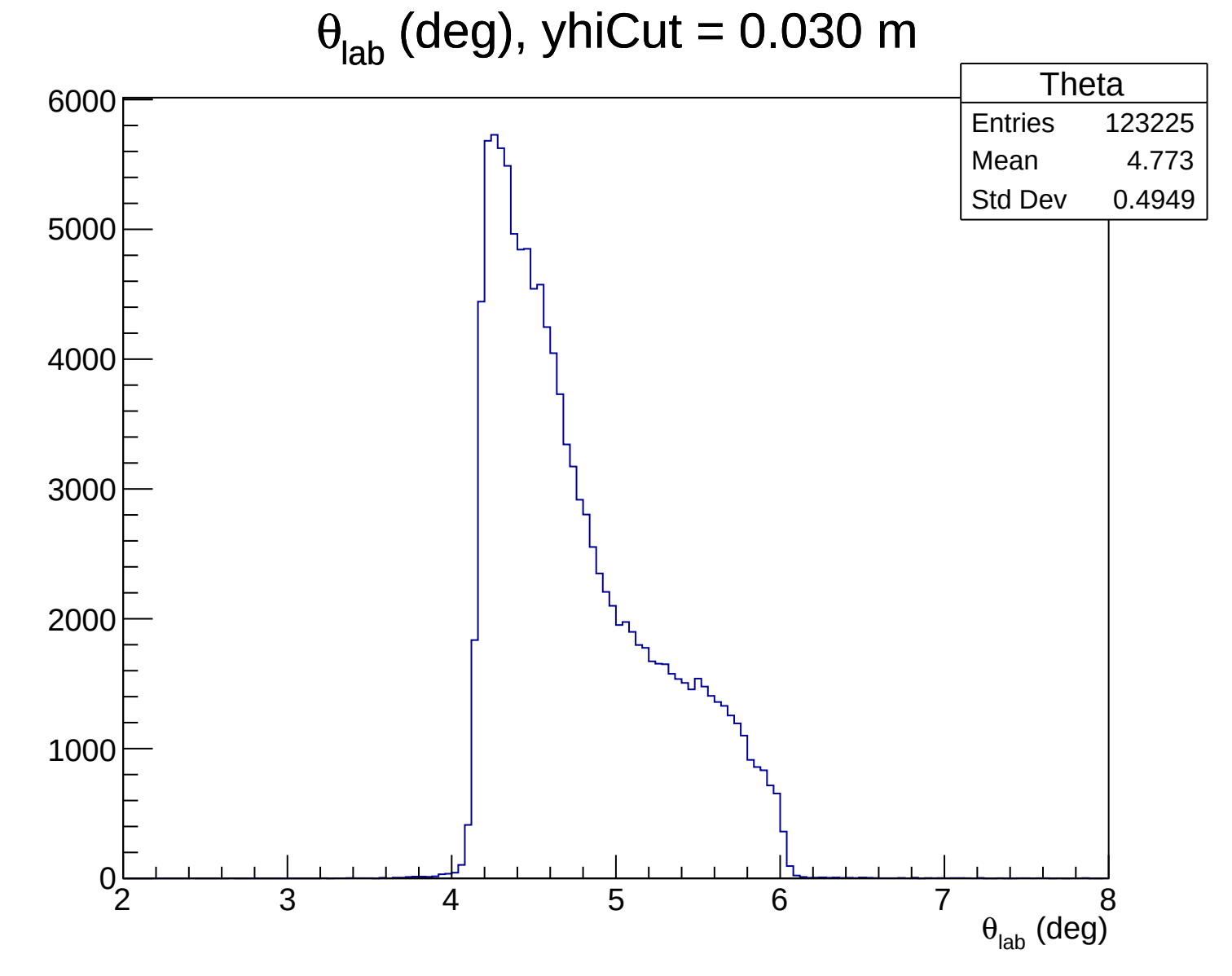

Sensitivity, yhiCut = 0.028 m
sens
Entries 123022
Mean 0.02213
Std Dev 0.004227
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

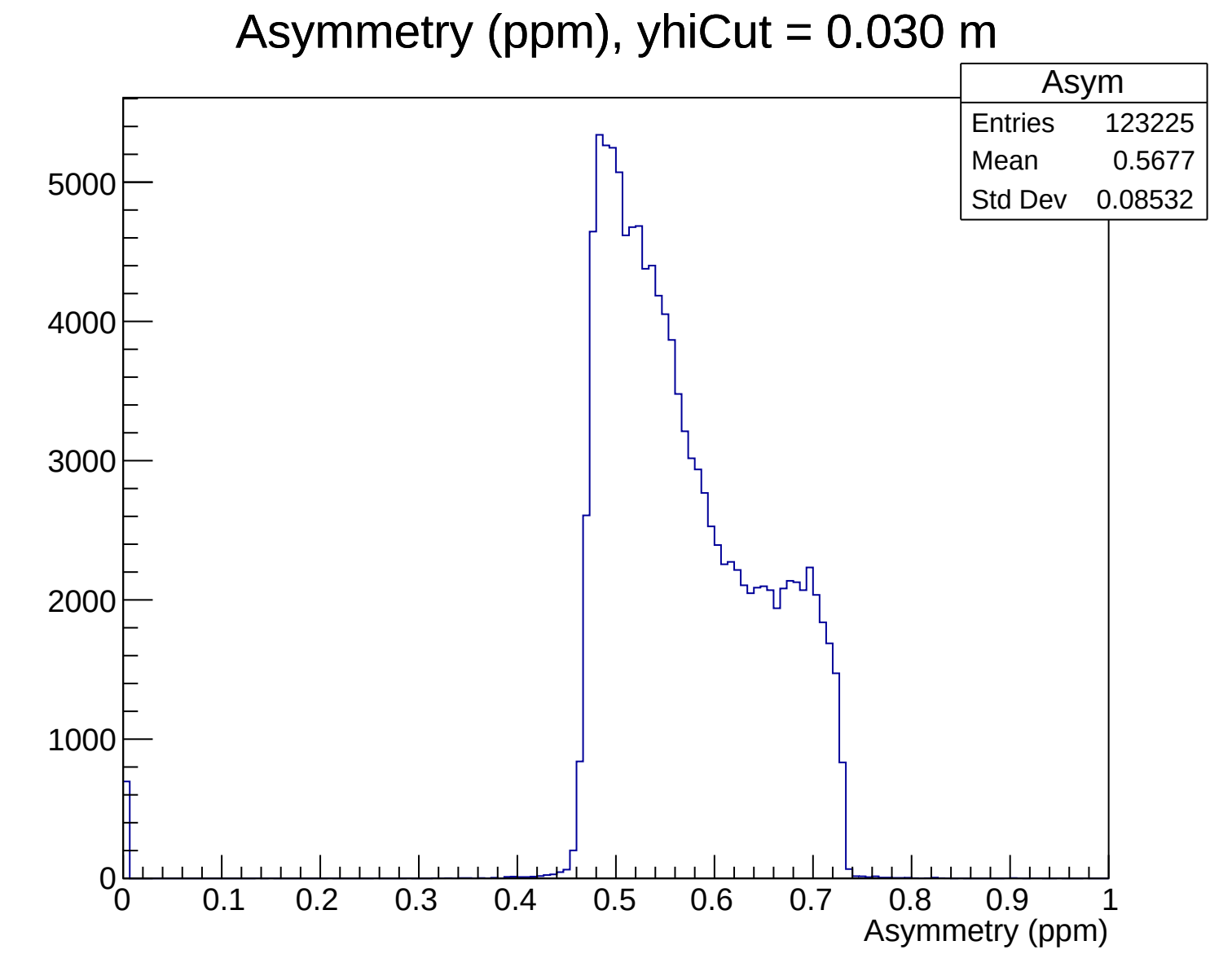

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

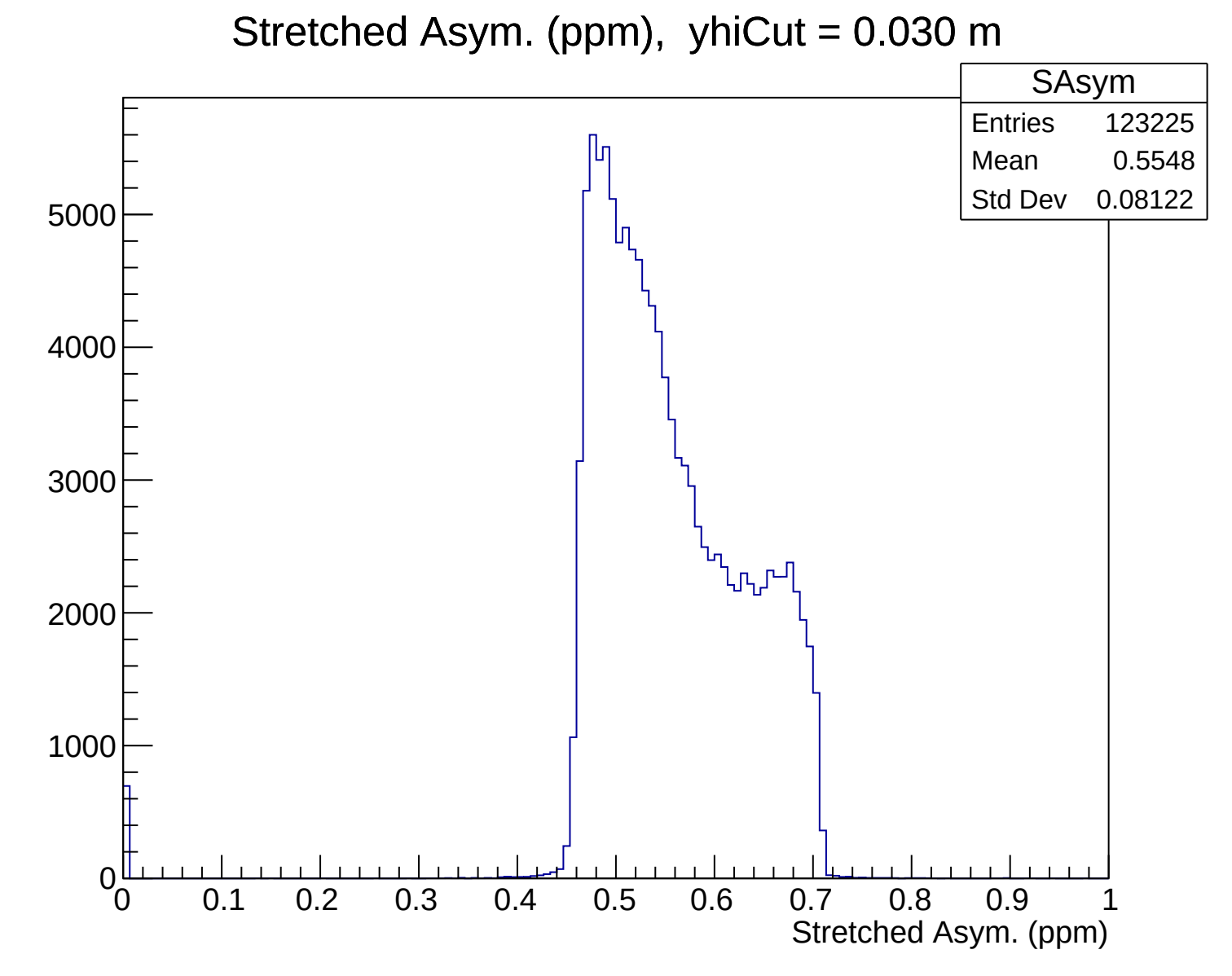

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.030
R.tr.y[0]+1.3*R.tr.ph[0] (m)

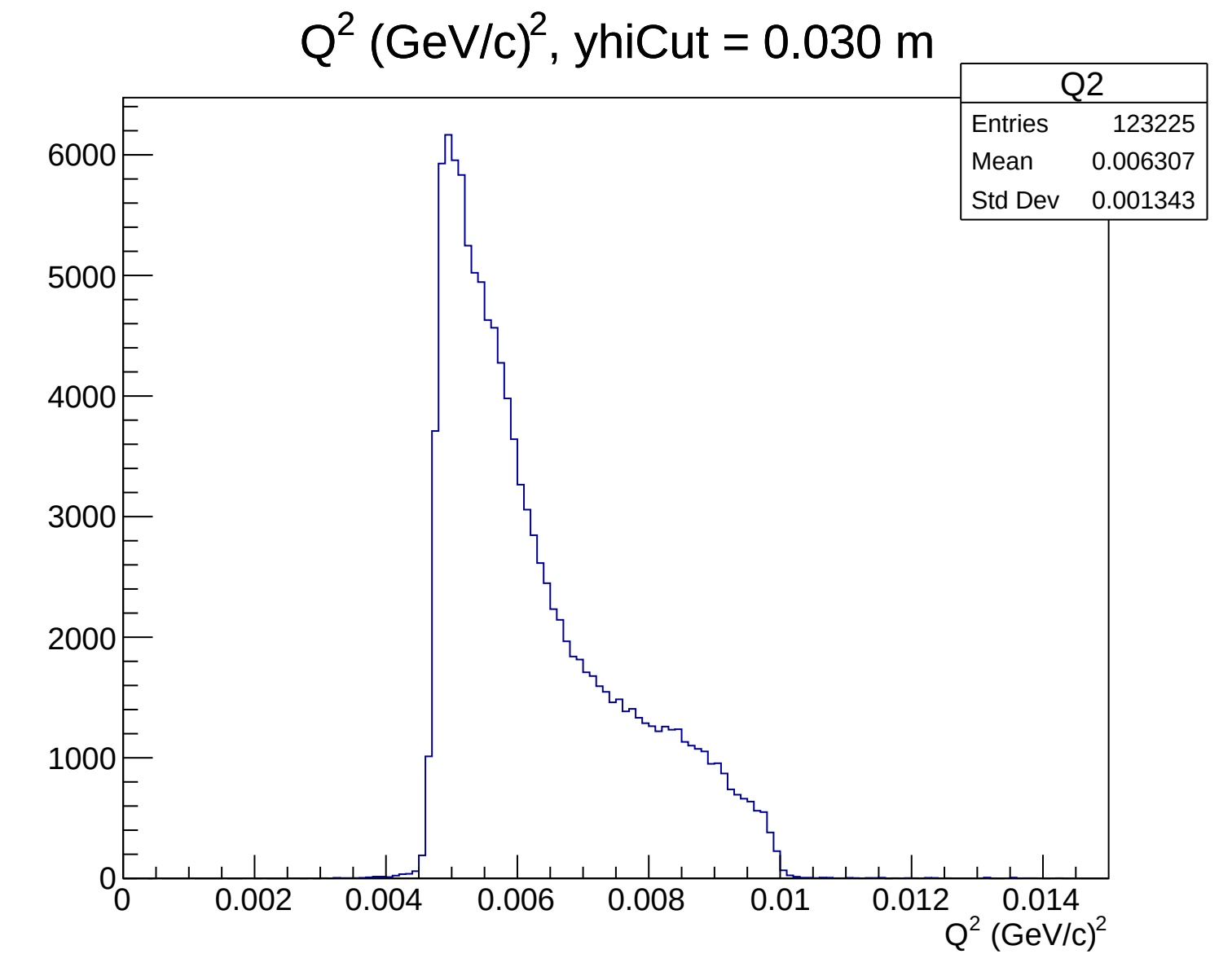

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

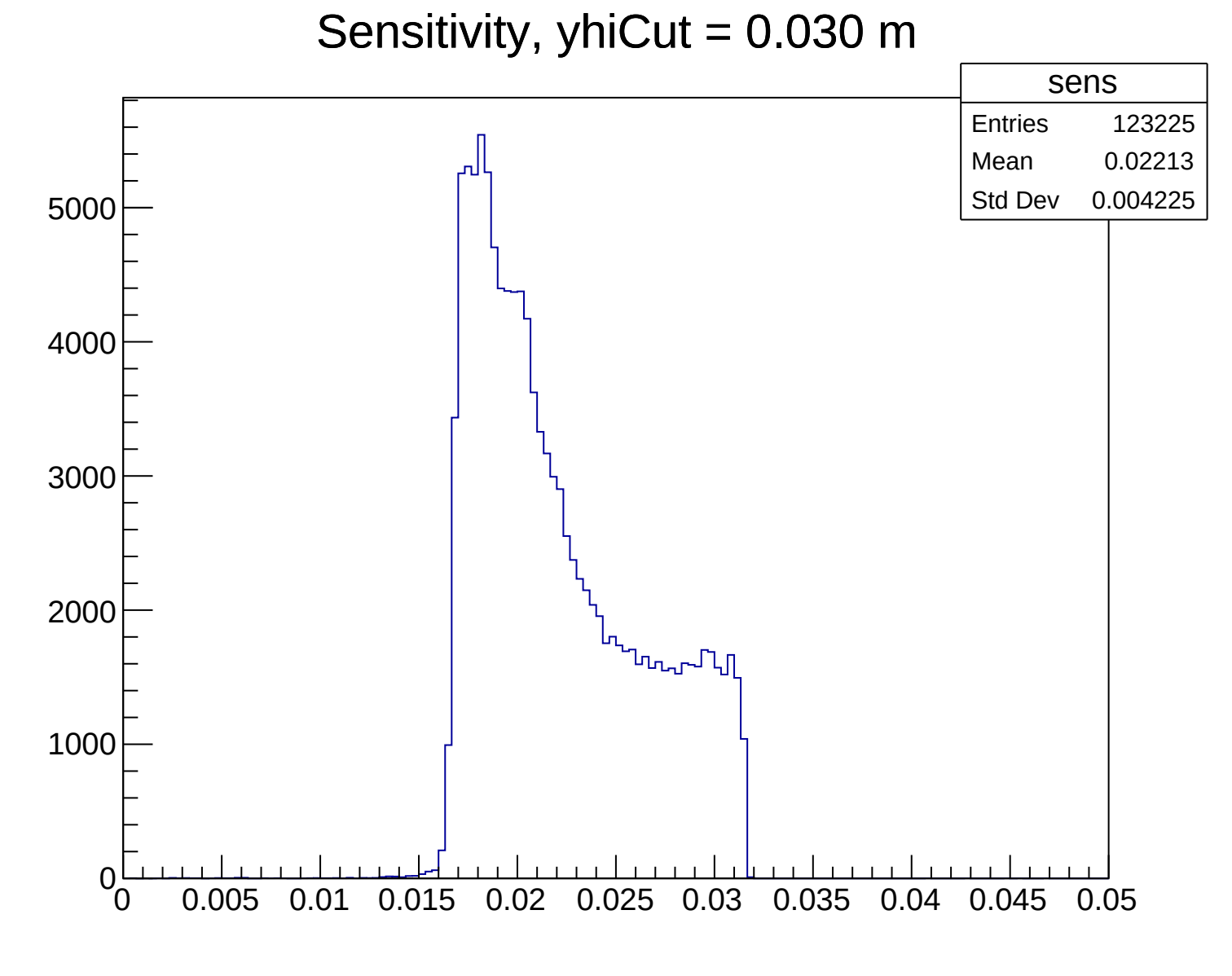

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

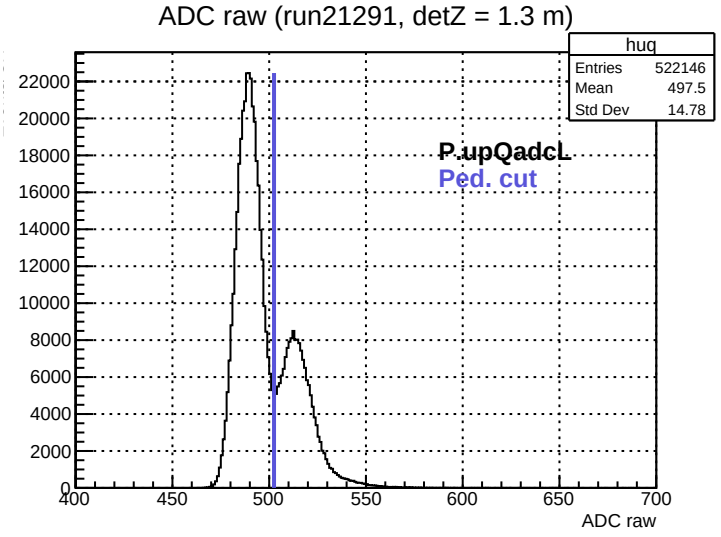

θlab (deg), yhiCut = 0.030 m
Theta
Entries 123225
Mean 4.773
Std Dev 0.4949
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

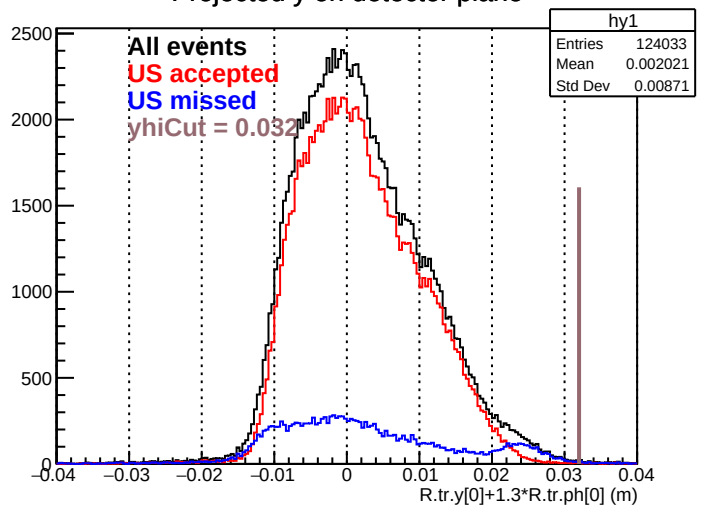

Asymmetry (ppm), yhiCut = 0.030 m
Asym
Entries 123225
Mean 0.5677
Std Dev 0.08532
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

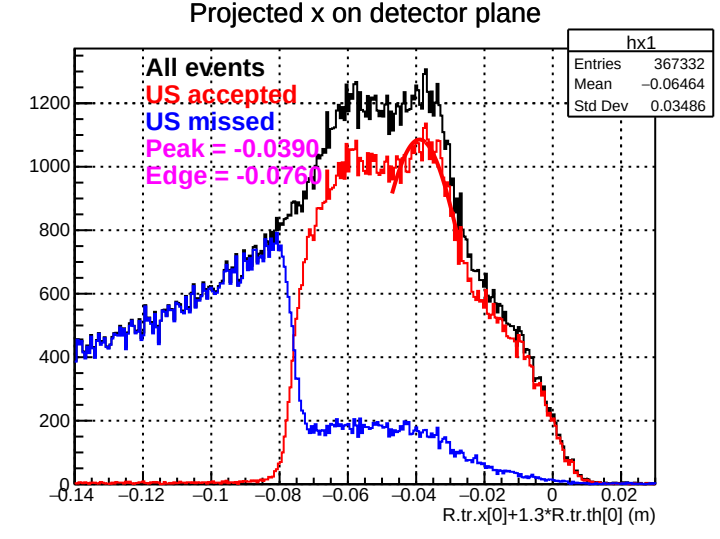

Stretched Asym. (ppm), yhiCut = 0.030 m
SAsym
Entries 123225
Mean 0.5548
Std Dev 0.08122
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

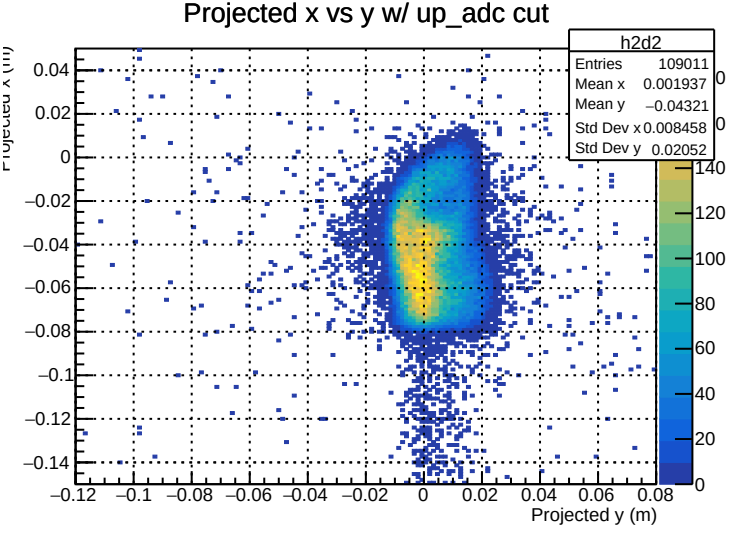

Q^2 (GeV/c)^2, yhiCut = 0.030 m
Q2
Entries 123225
Mean 0.006307
Std Dev 0.001343
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

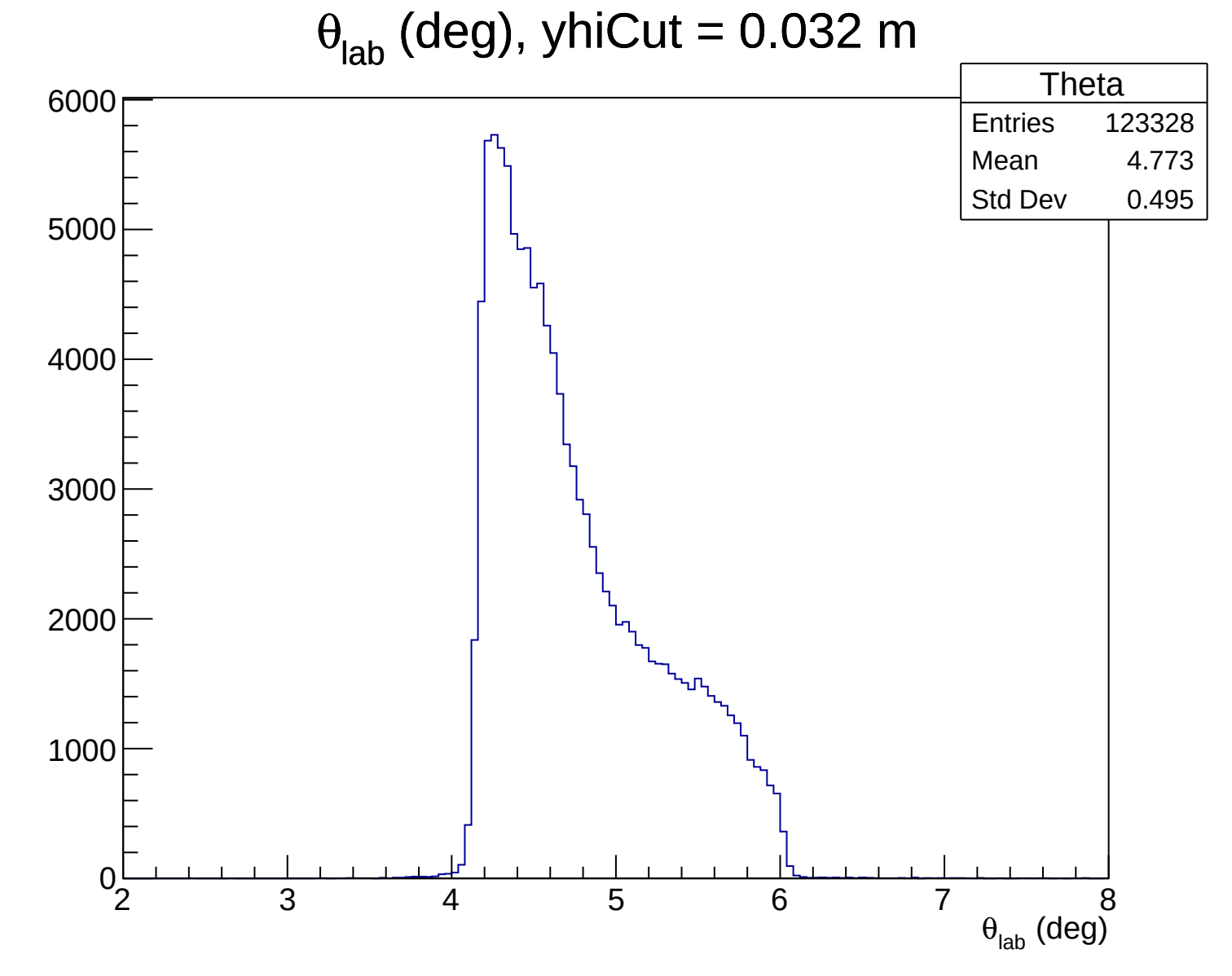

Sensitivity, yhiCut = 0.030 m
sens
Entries 123225
Mean 0.02213
Std Dev 0.004225
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

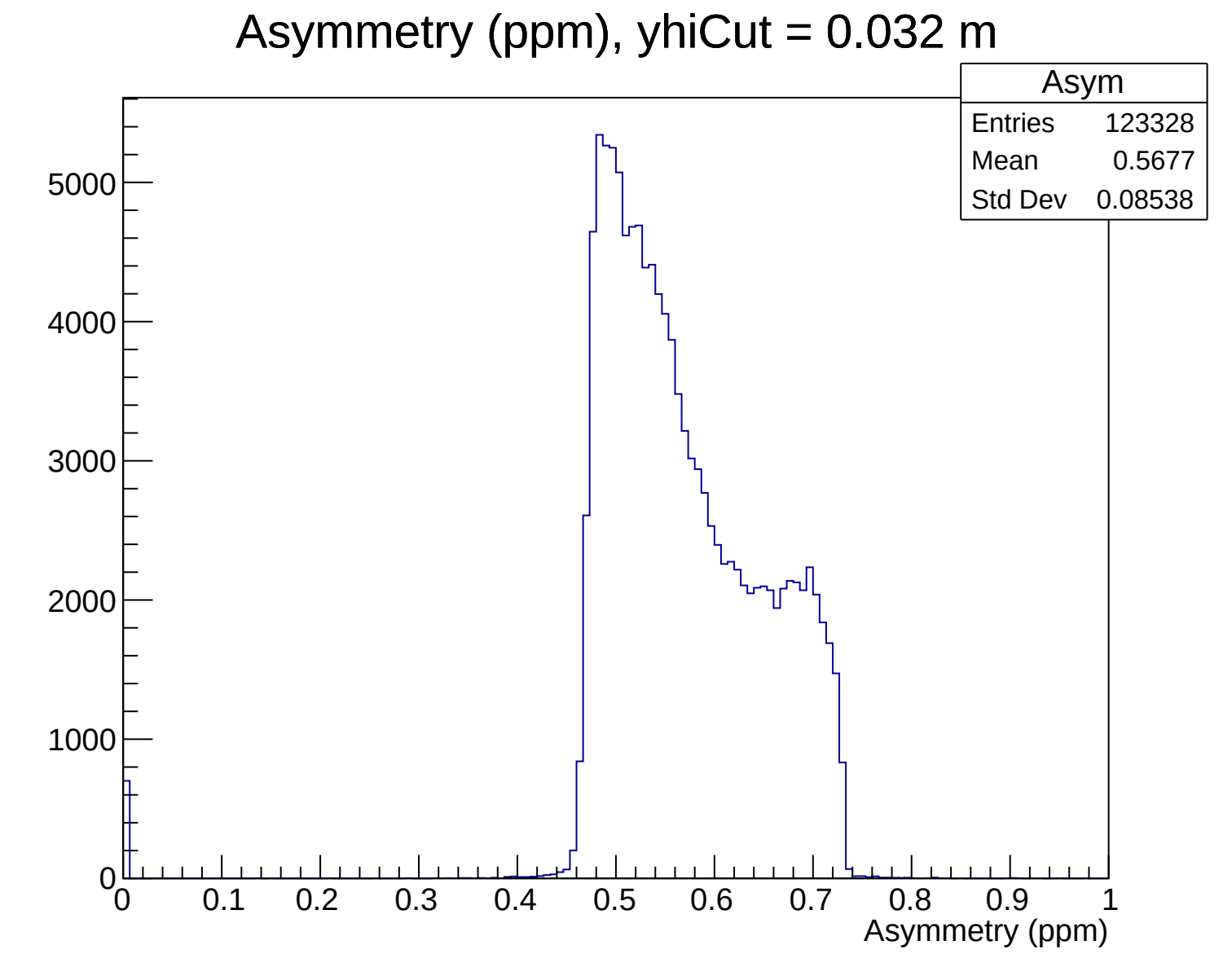

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

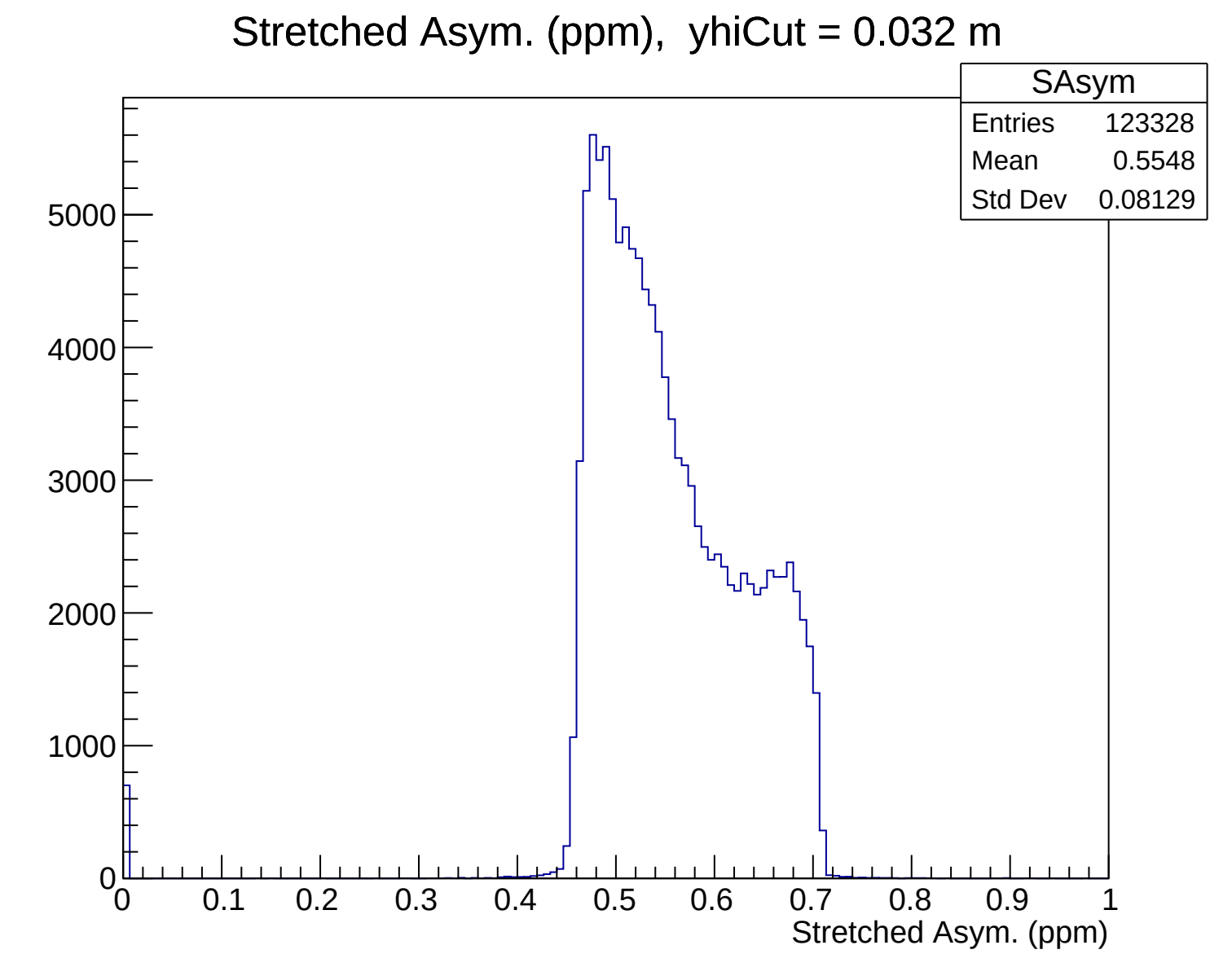

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.032
R.tr.y[0]+1.3*R.tr.ph[0] (m)

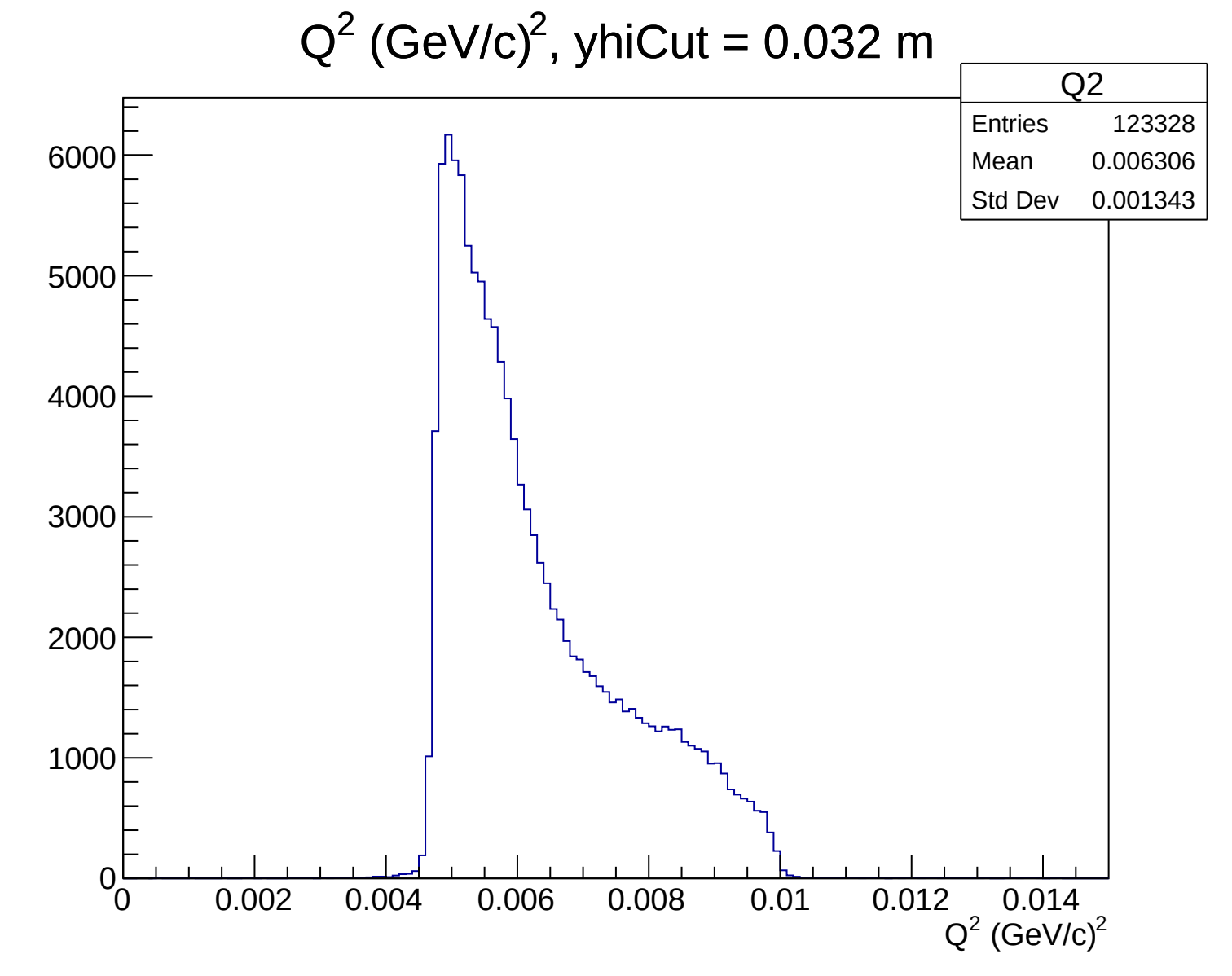

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

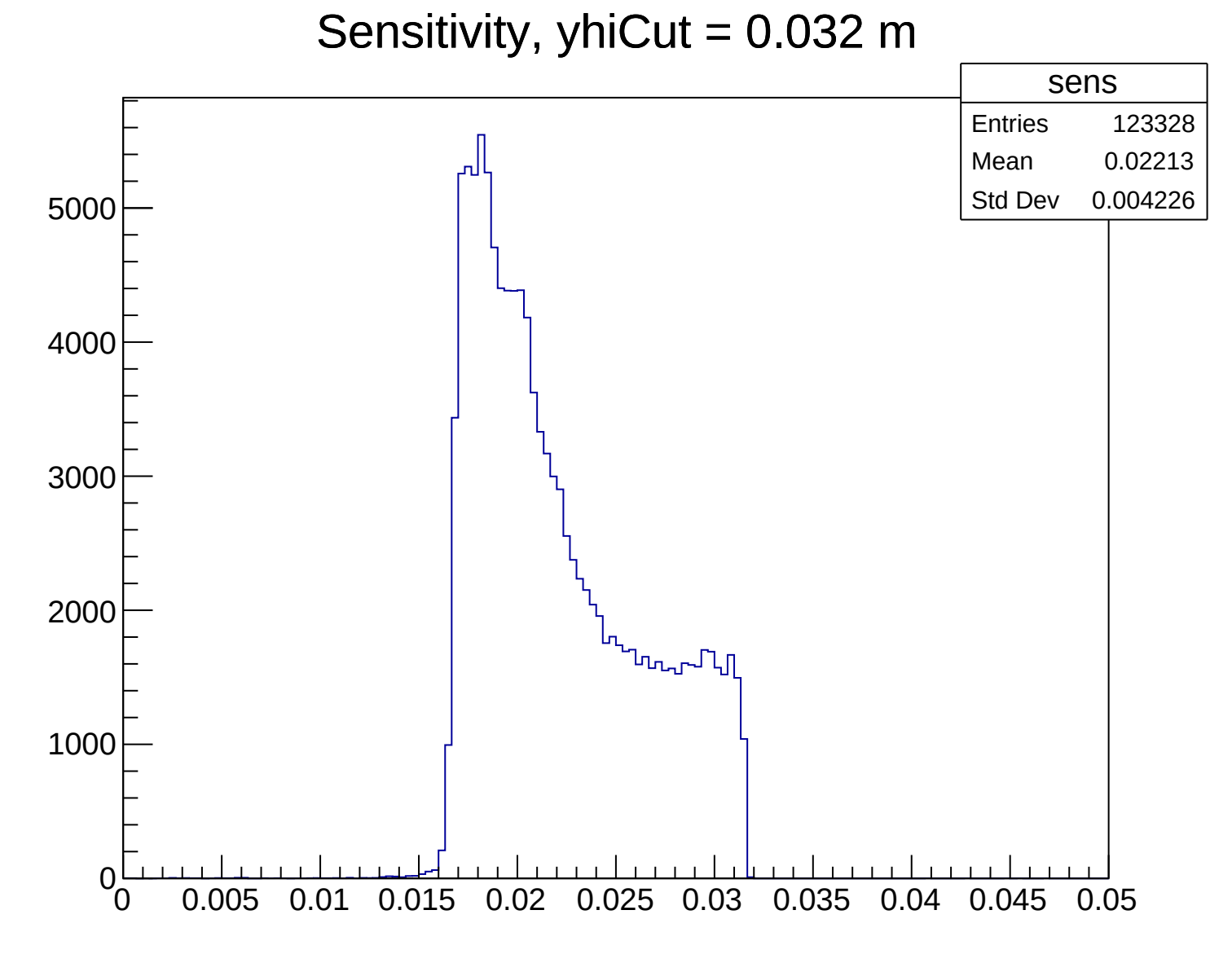

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected x (m)
Projected y (m)

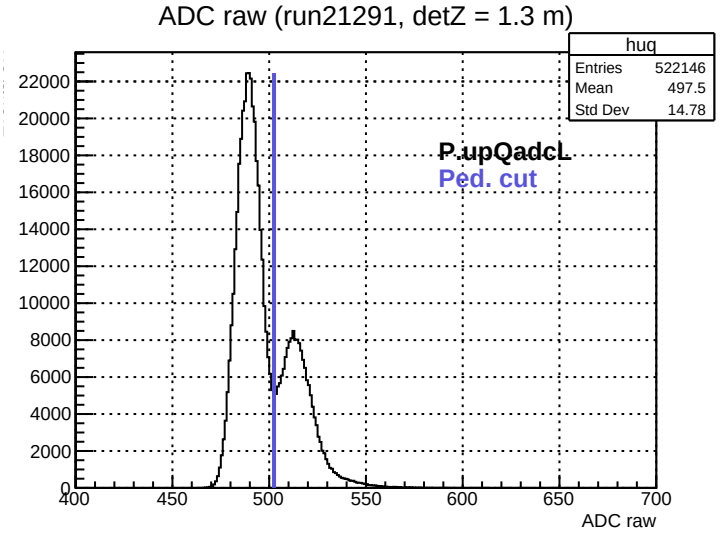

θlab (deg), yhiCut = 0.032 m
Theta
Entries 123328
Mean 4.773
Std Dev 0.495
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

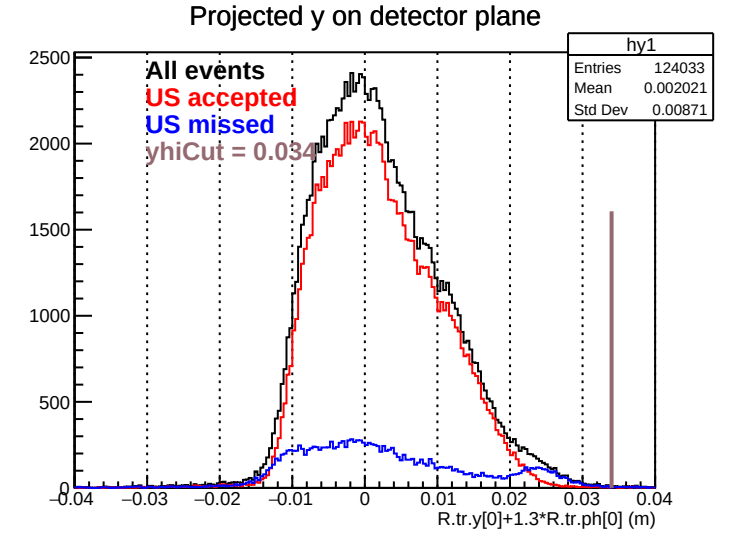

Asymmetry (ppm), yhiCut = 0.032 m
Asym
Entries 123328
Mean 0.5677
Std Dev 0.08538
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

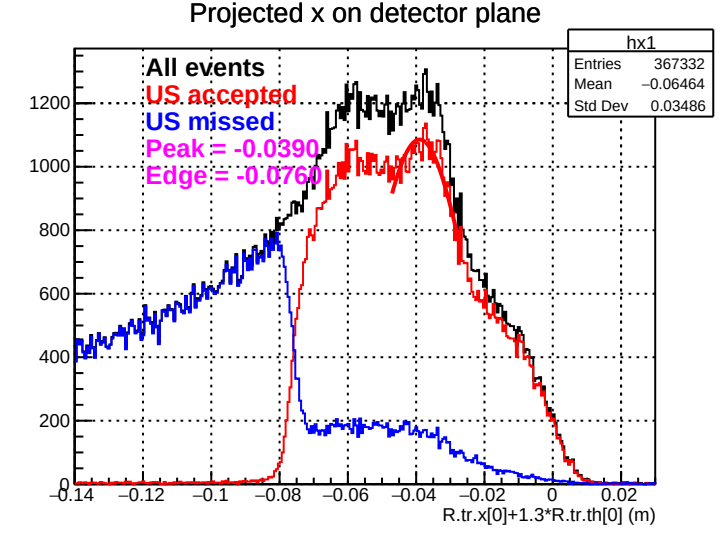

Stretched Asym. (ppm), yhiCut = 0.032 m
SAsym
Entries 123328
Mean 0.5548
Std Dev 0.08129
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

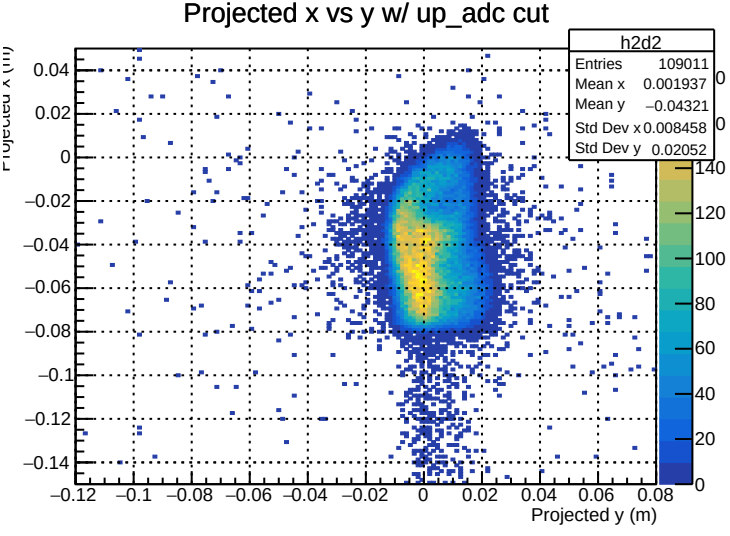

Q^2 (GeV/c)^2, yhiCut = 0.032 m
Q2
Entries 123328
Mean 0.006306
Std Dev 0.001343
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

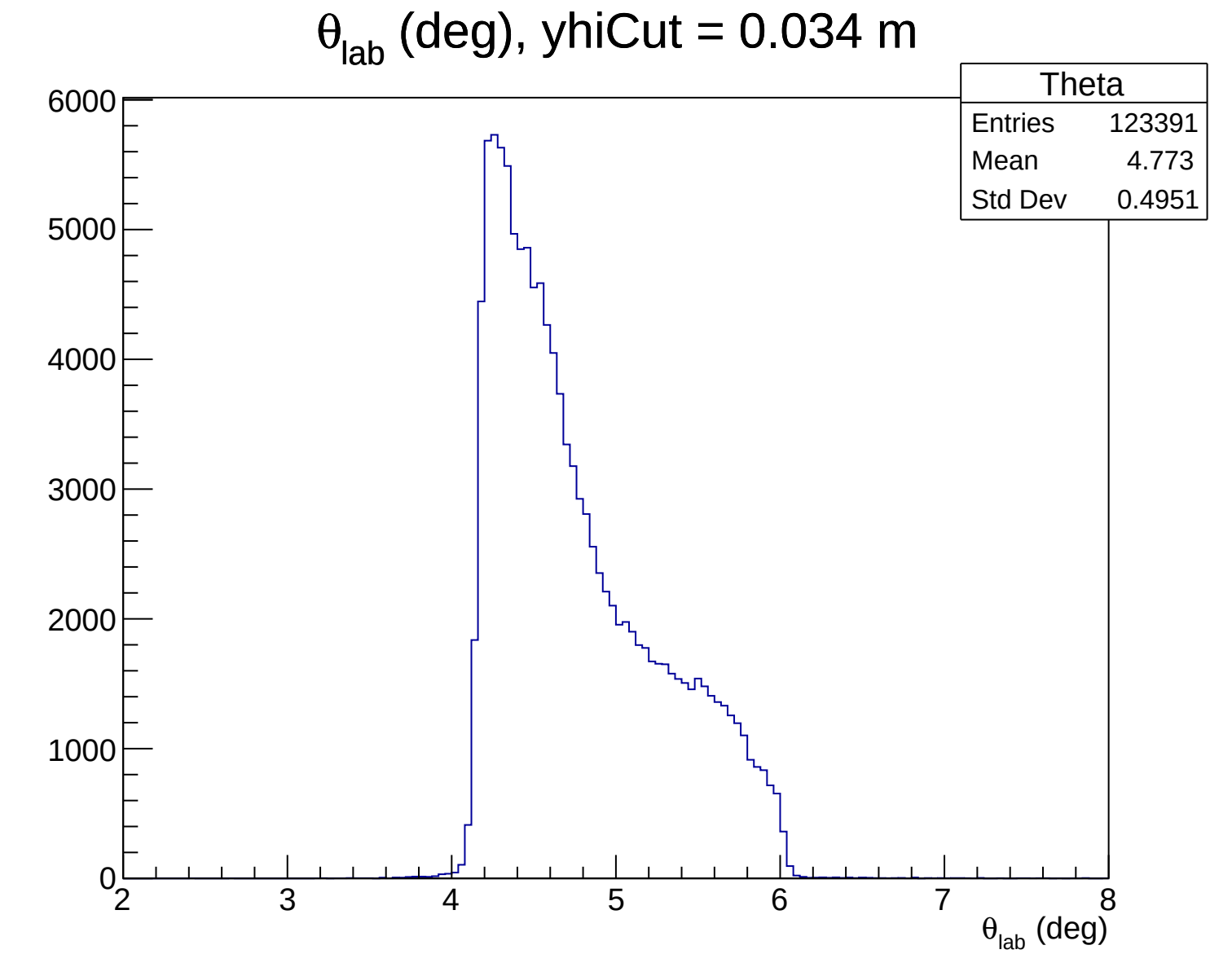

Sensitivity, yhiCut = 0.032 m
sens
Entries 123328
Mean 0.02213
Std Dev 0.004226
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

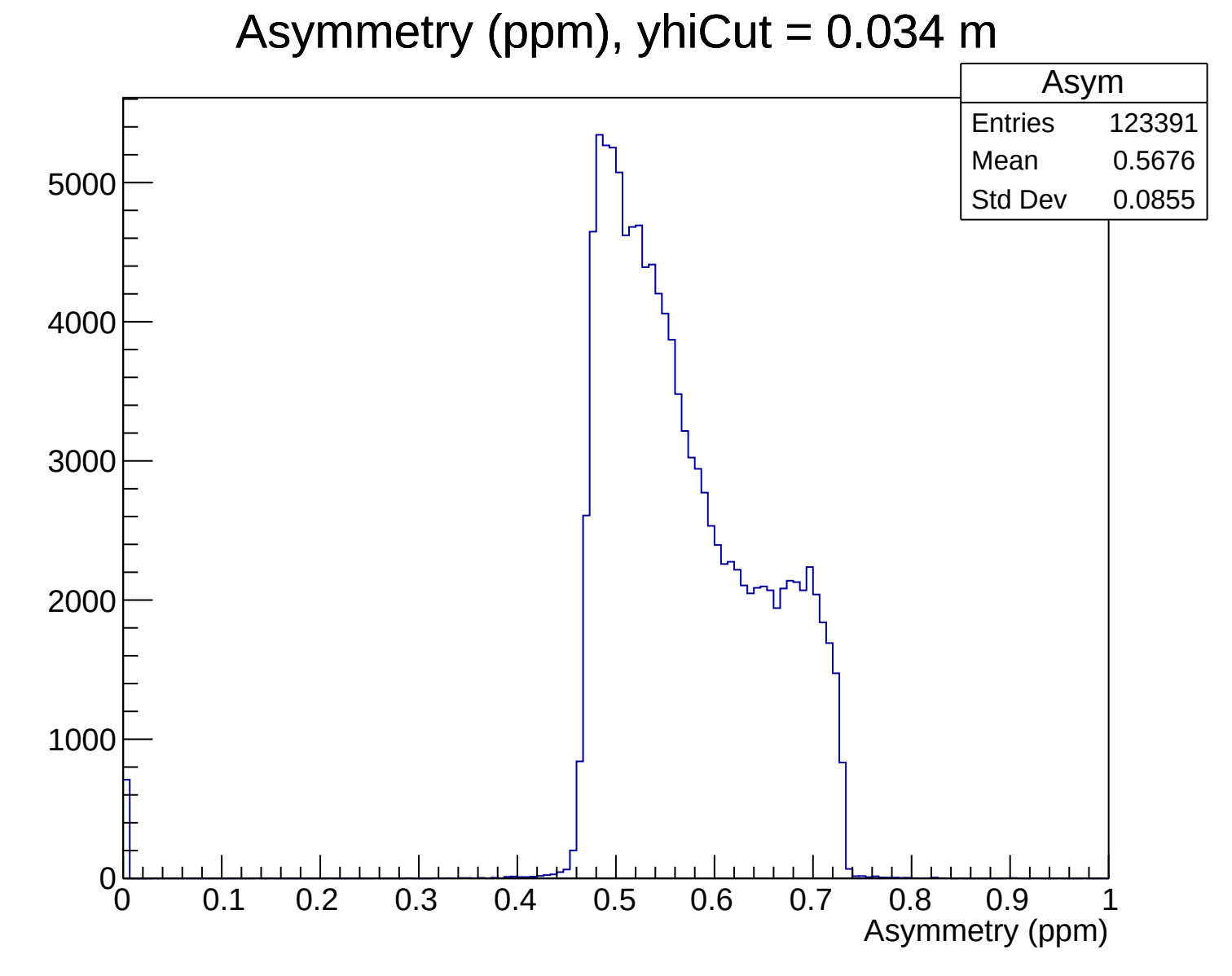

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

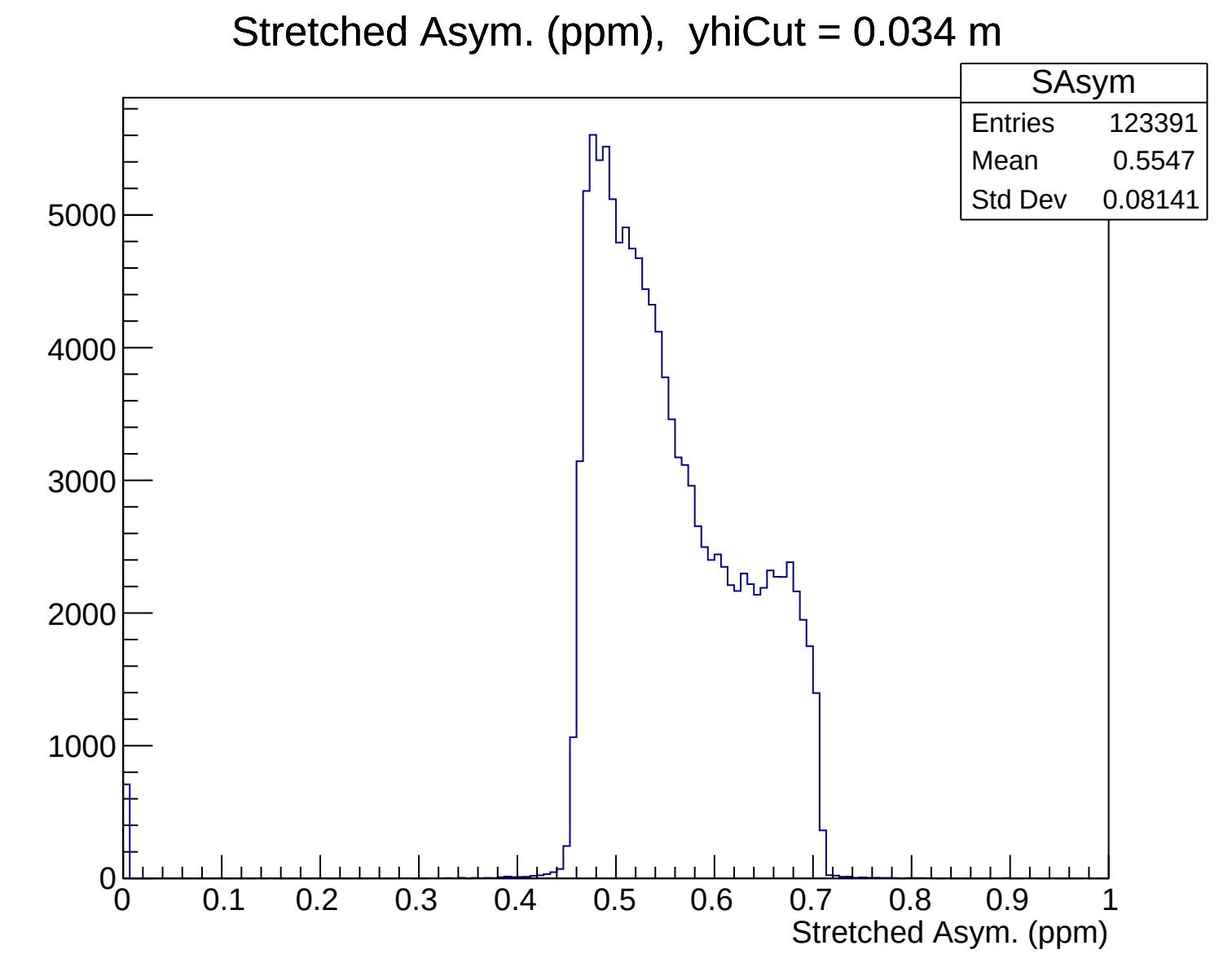

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.034
R.tr.y[0]+1.3*R.tr.ph[0] (m)

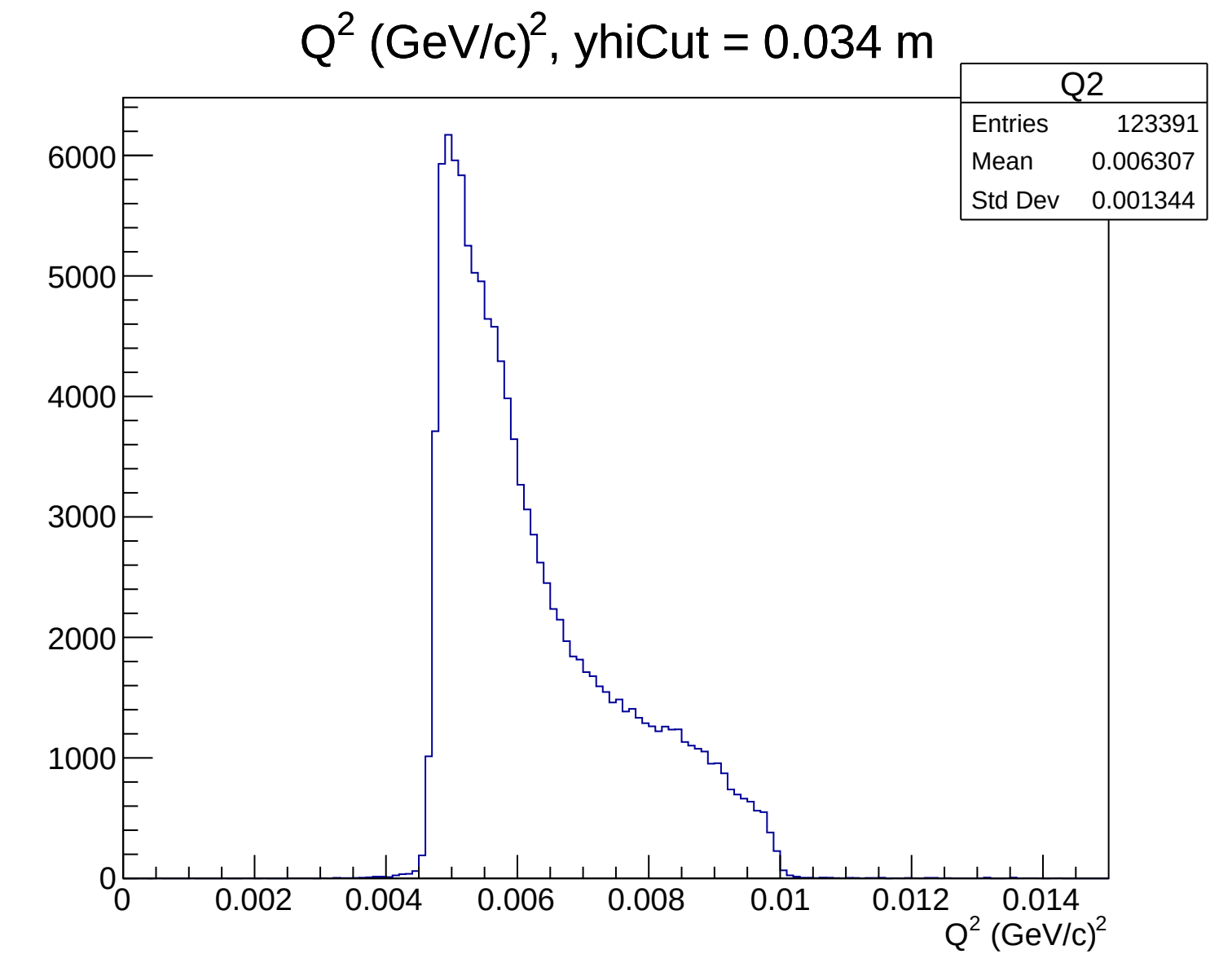

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

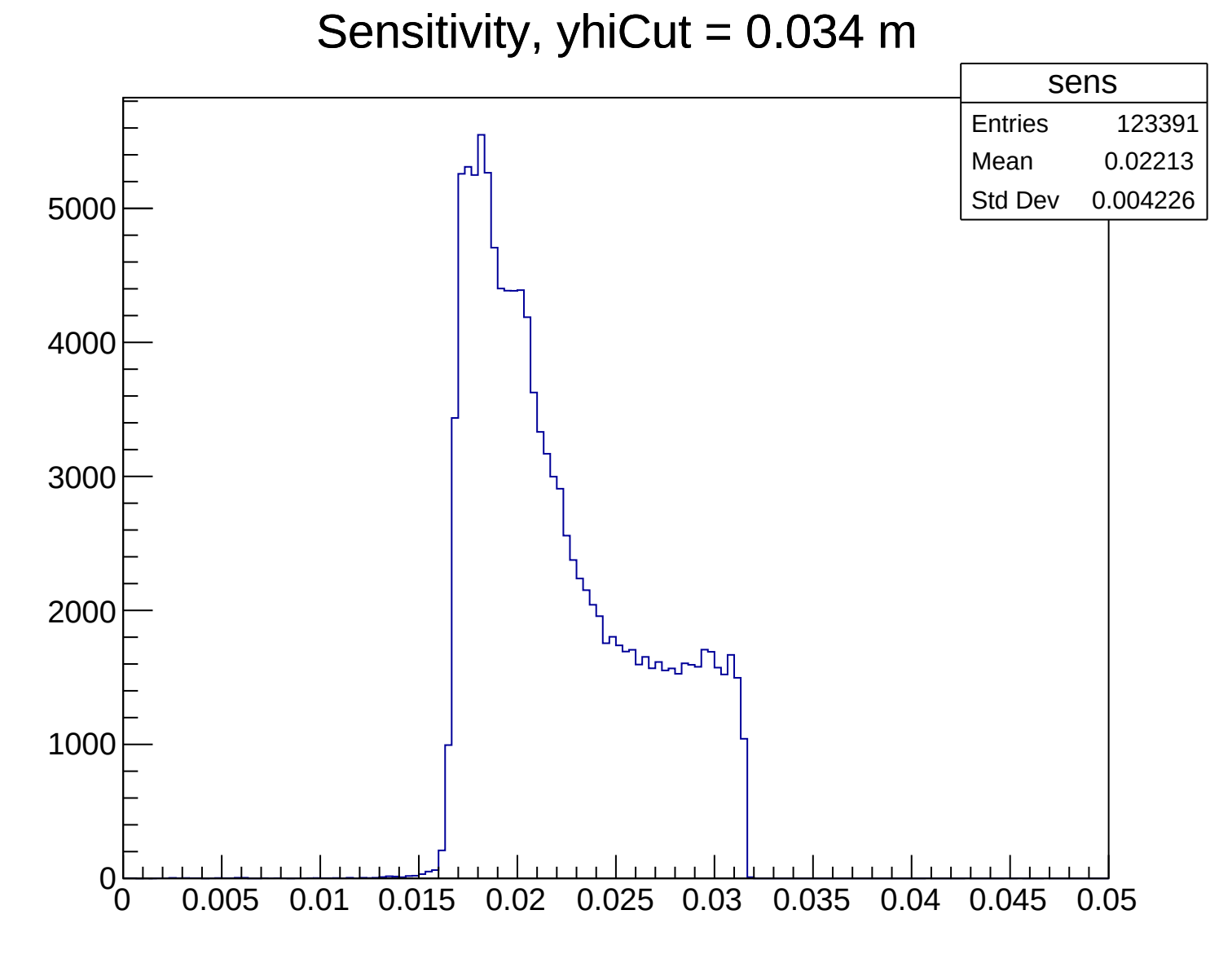

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

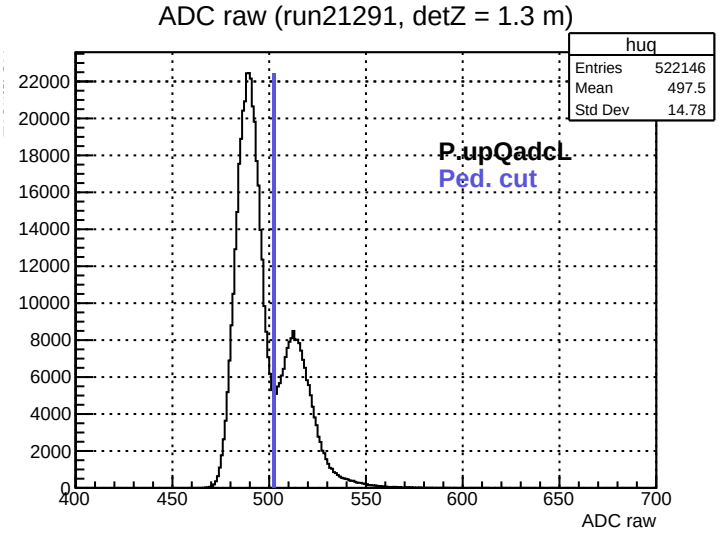

θlab (deg), yhiCut = 0.034 m
Theta
Entries 123391
Mean 4.773
Std Dev 0.4951
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

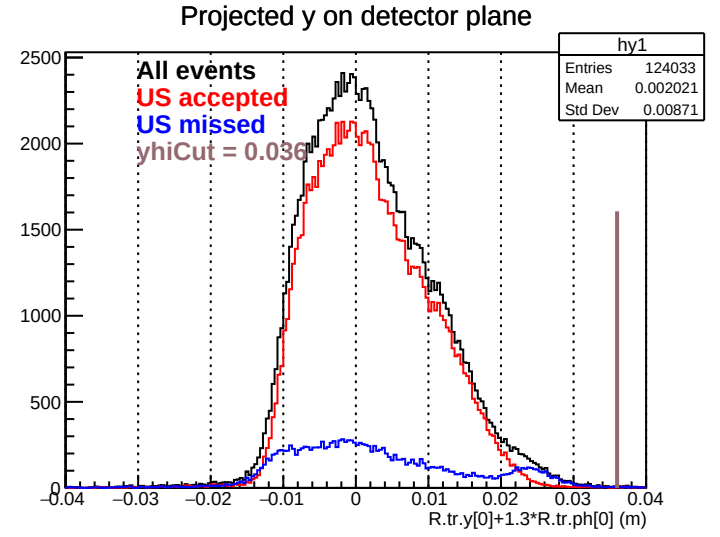

Asymmetry (ppm), yhiCut = 0.034 m
Asym
Entries 123391
Mean 0.5676
Std Dev 0.0855
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

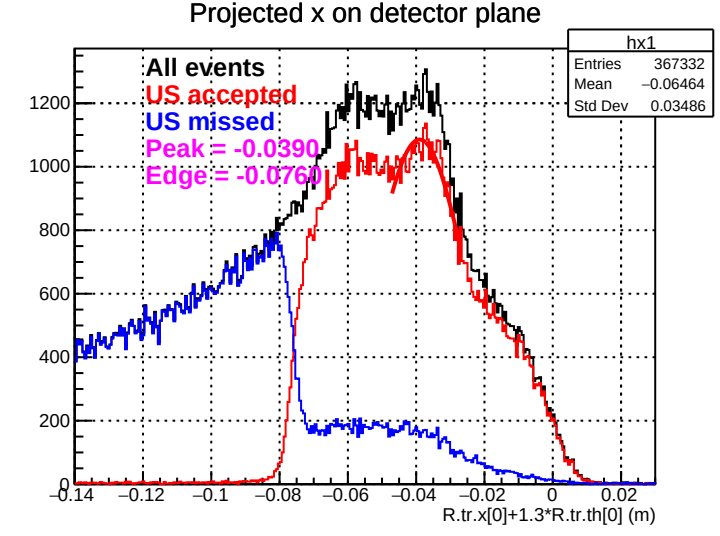

Stretched Asym. (ppm), yhiCut = 0.034 m
SAsym
Entries 123391
Mean 0.5547
Std Dev 0.08141
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

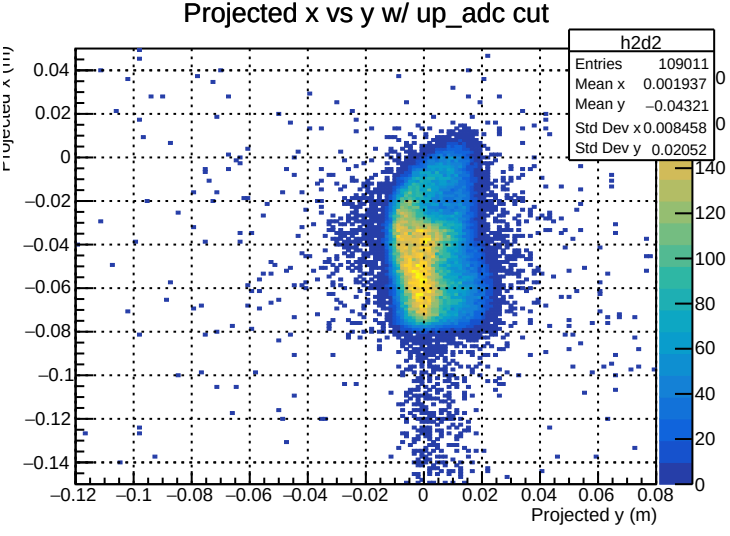

Q^2 (GeV/c)^2, yhiCut = 0.034 m
Q2
Entries 123391
Mean 0.006307
Std Dev 0.001344
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

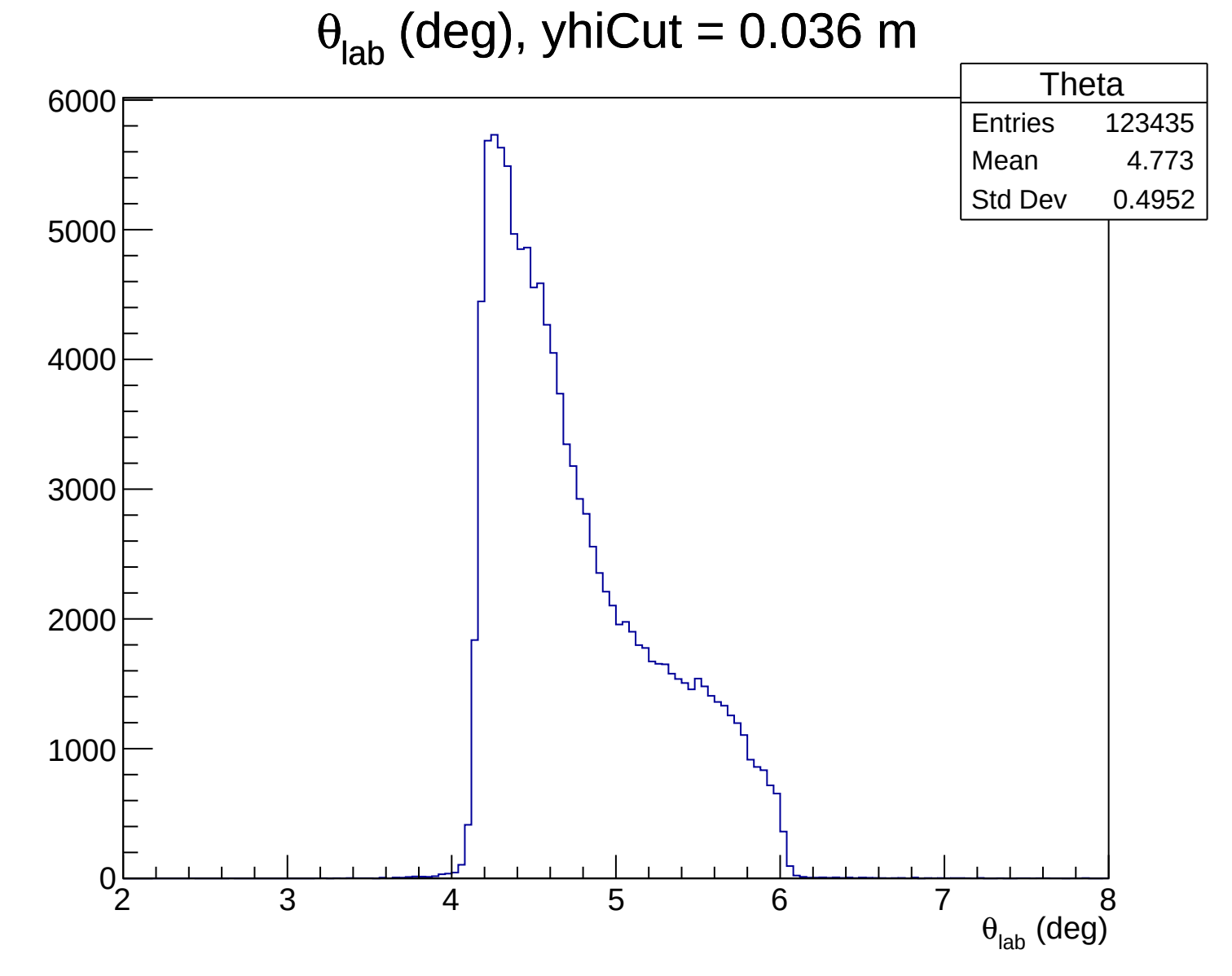

Sensitivity, yhiCut = 0.034 m
sens
Entries 123391
Mean 0.02213
Std Dev 0.004226
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

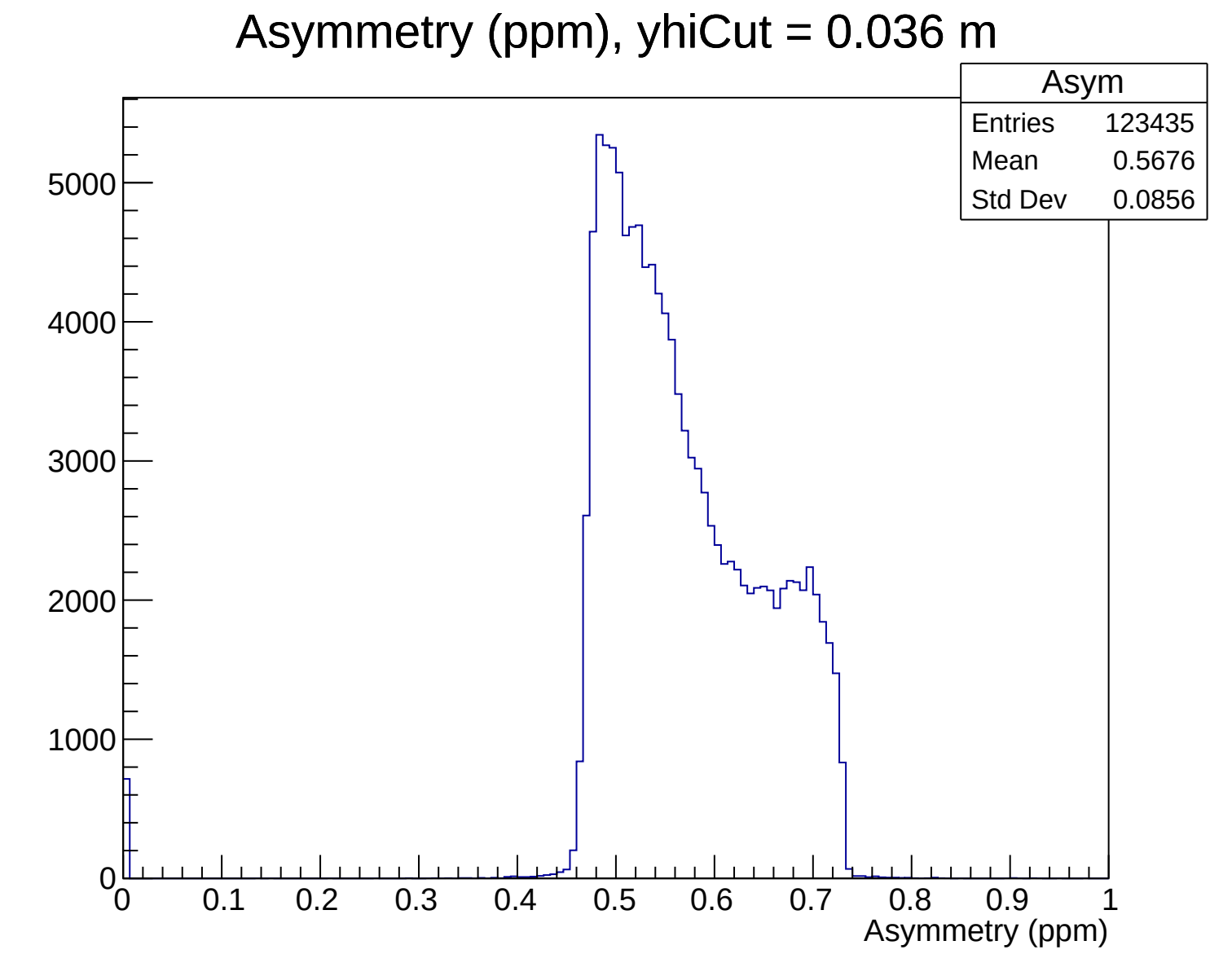

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

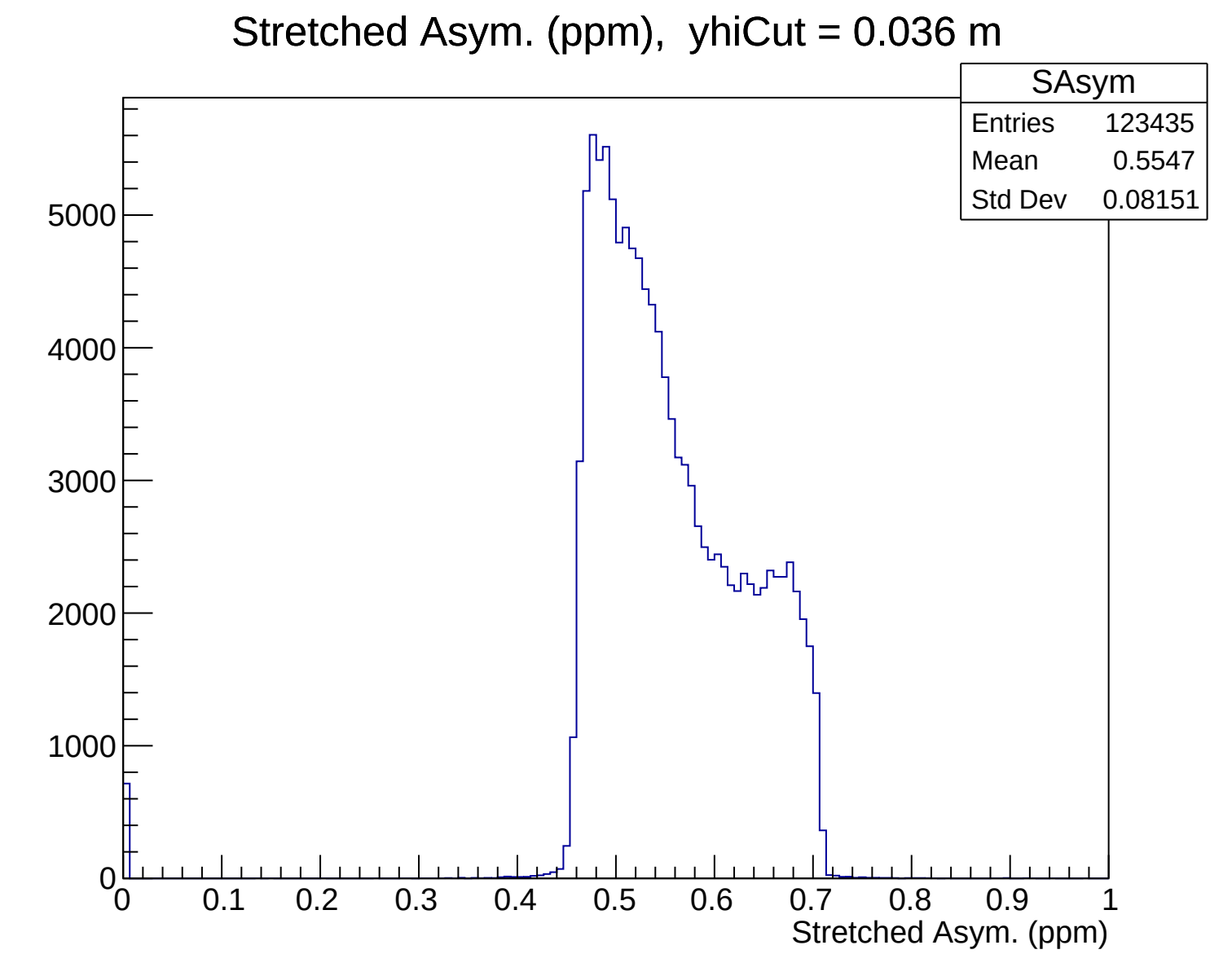

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.036
R.tr.y[0]+1.3*R.tr.ph[0] (m)

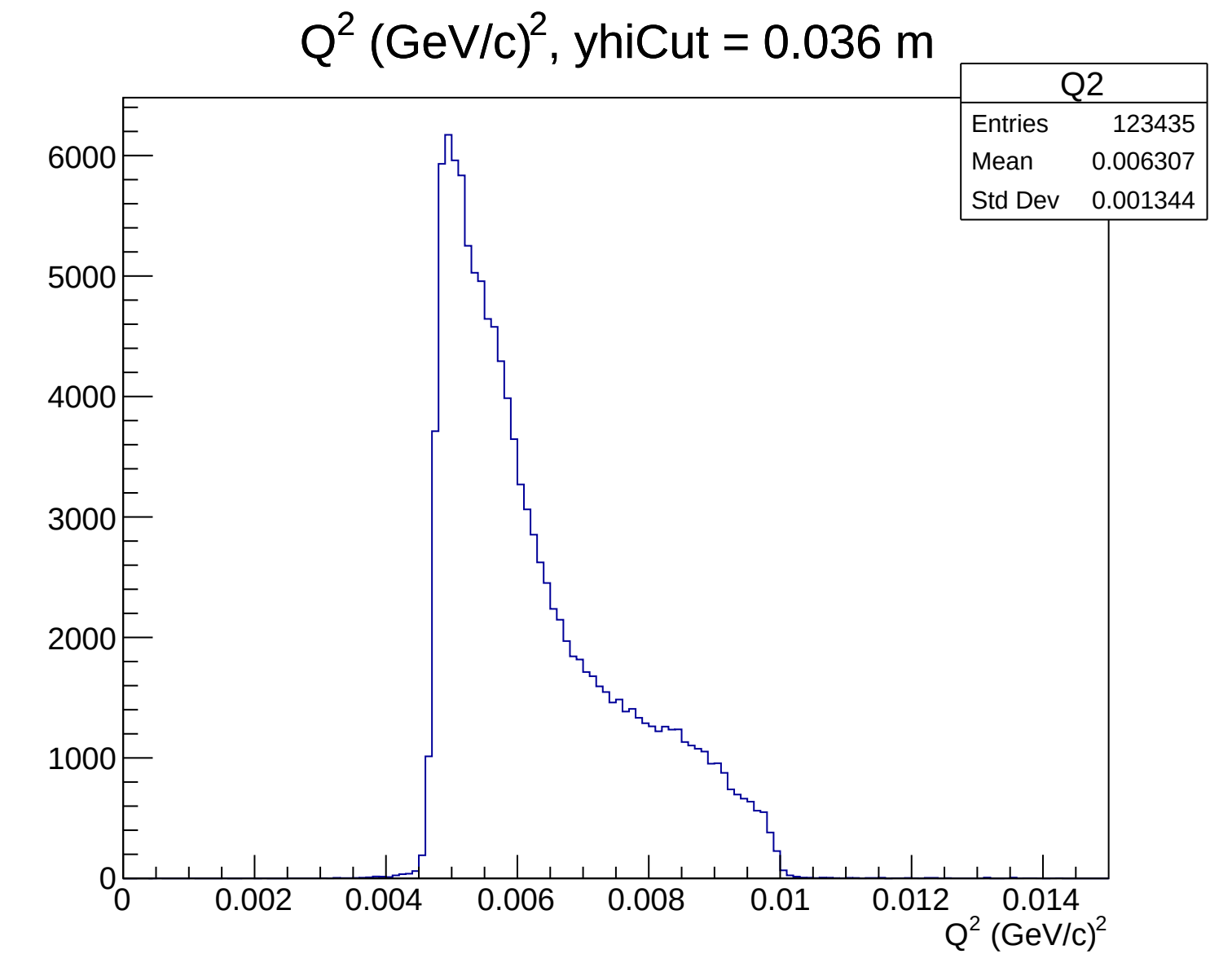

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

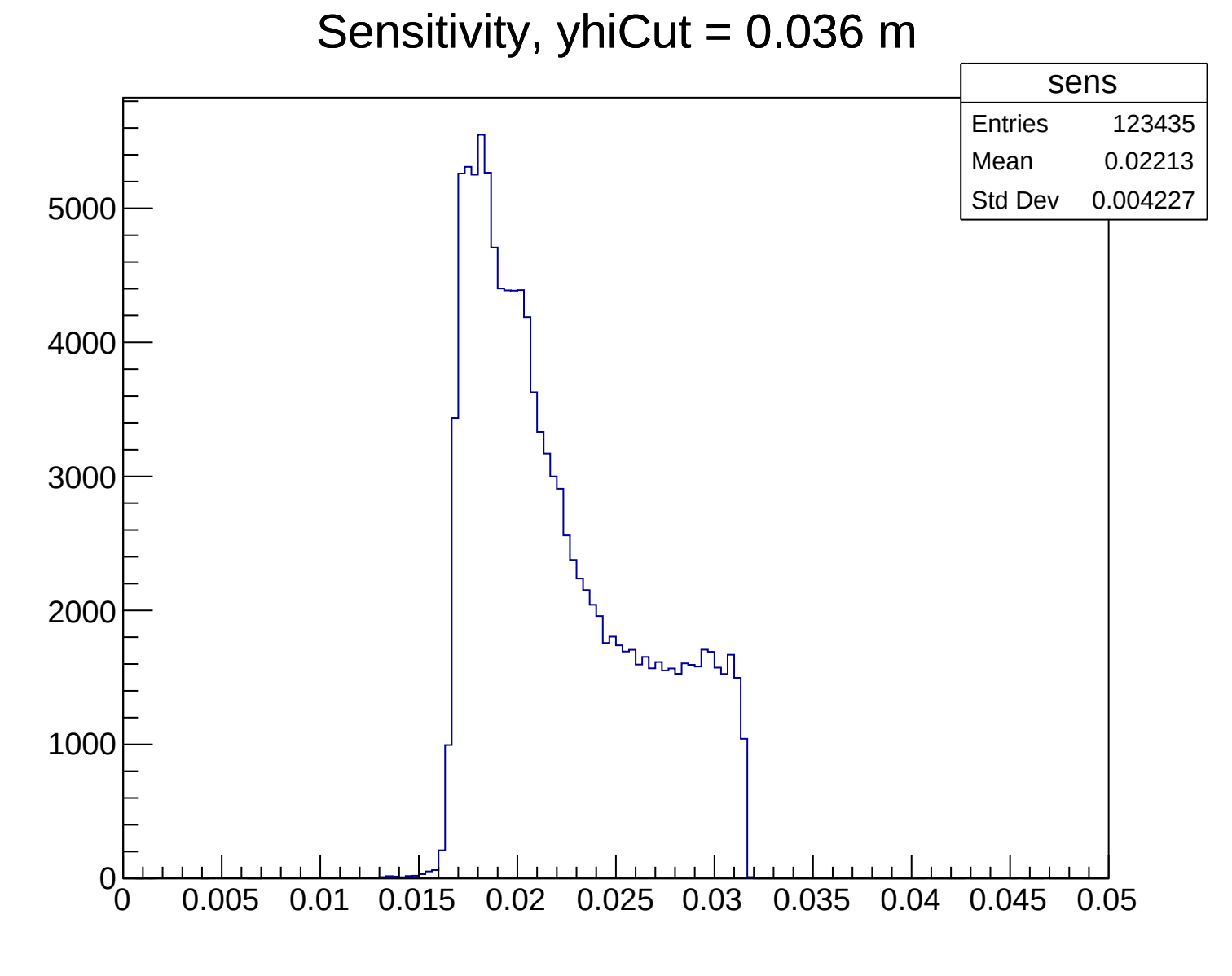

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

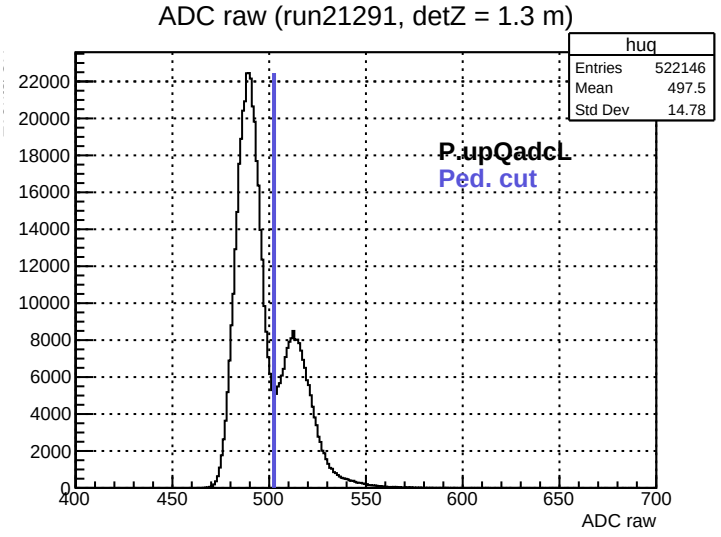

θlab (deg), yhiCut = 0.036 m
Theta
Entries 123435
Mean 4.773
Std Dev 0.4952
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

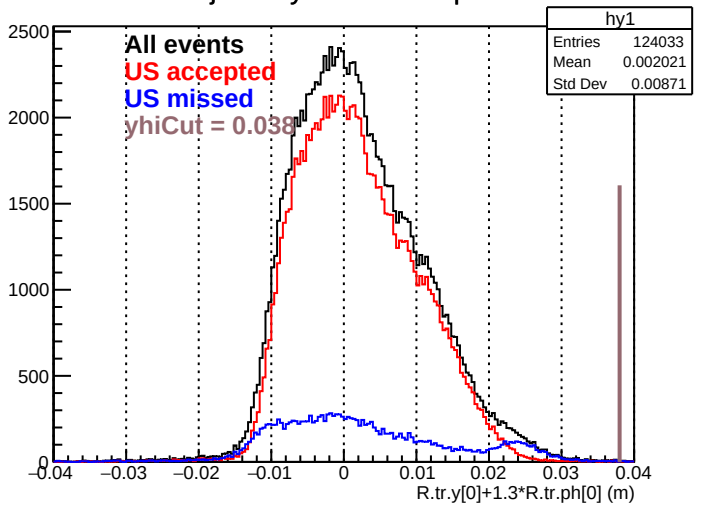

Asymmetry (ppm), yhiCut = 0.036 m
Asym
Entries 123435
Mean 0.5676
Std Dev 0.0856
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

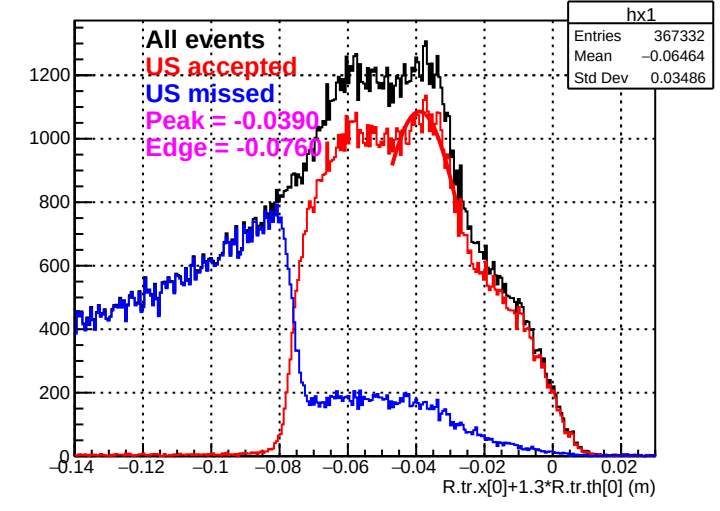

Stretched Asym. (ppm), yhiCut = 0.036 m
SAsym
Entries 123435
Mean 0.5547
Std Dev 0.08151
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

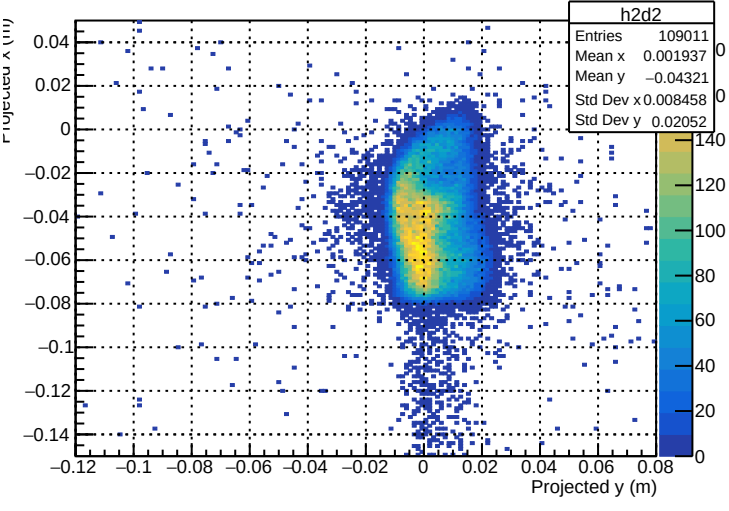

Q^2 (GeV/c)^2, yhiCut = 0.036 m
Q2
Entries 123435
Mean 0.006307
Std Dev 0.001344
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

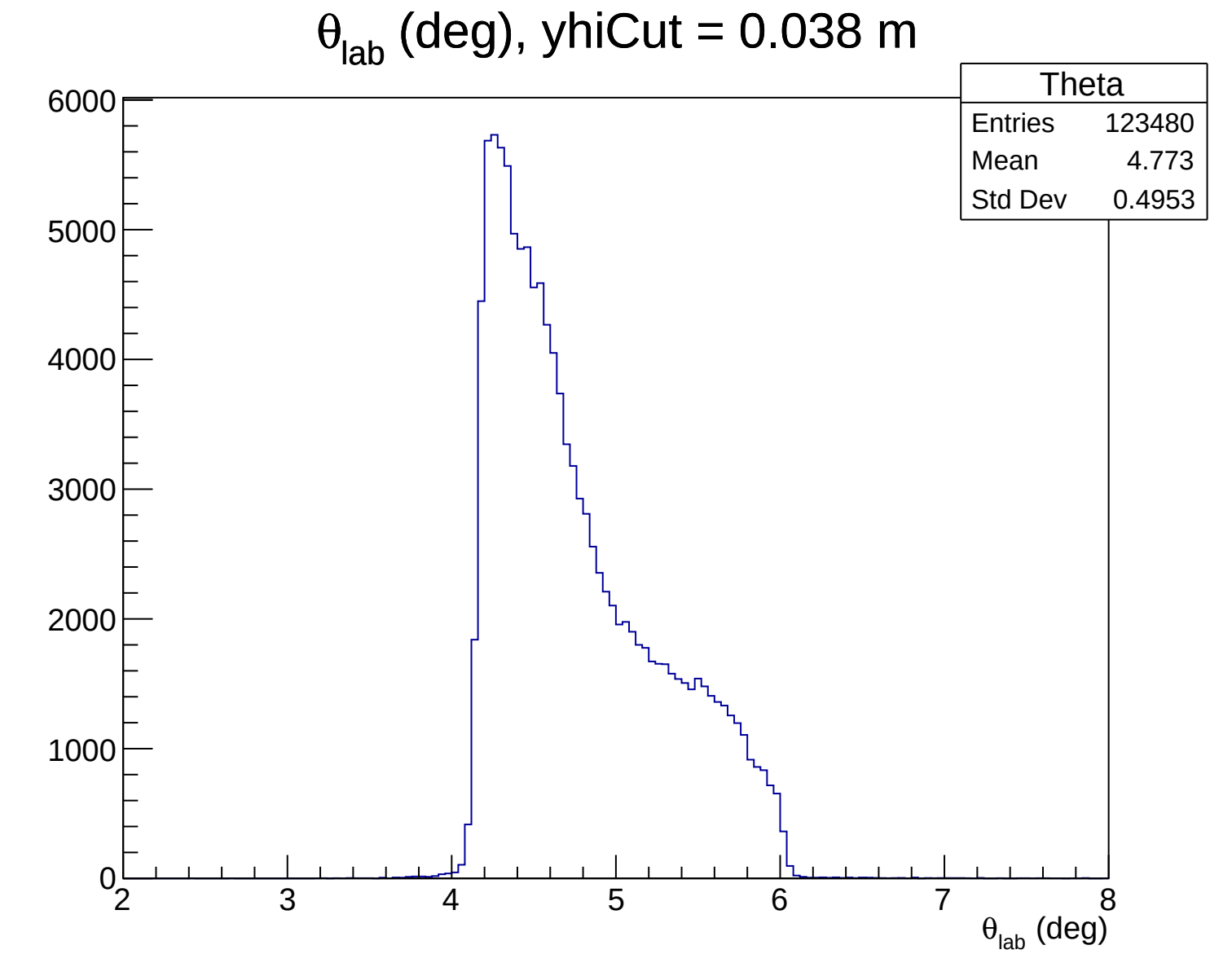

Sensitivity, yhiCut = 0.036 m
sens
Entries 123435
Mean 0.02213
Std Dev 0.004227
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

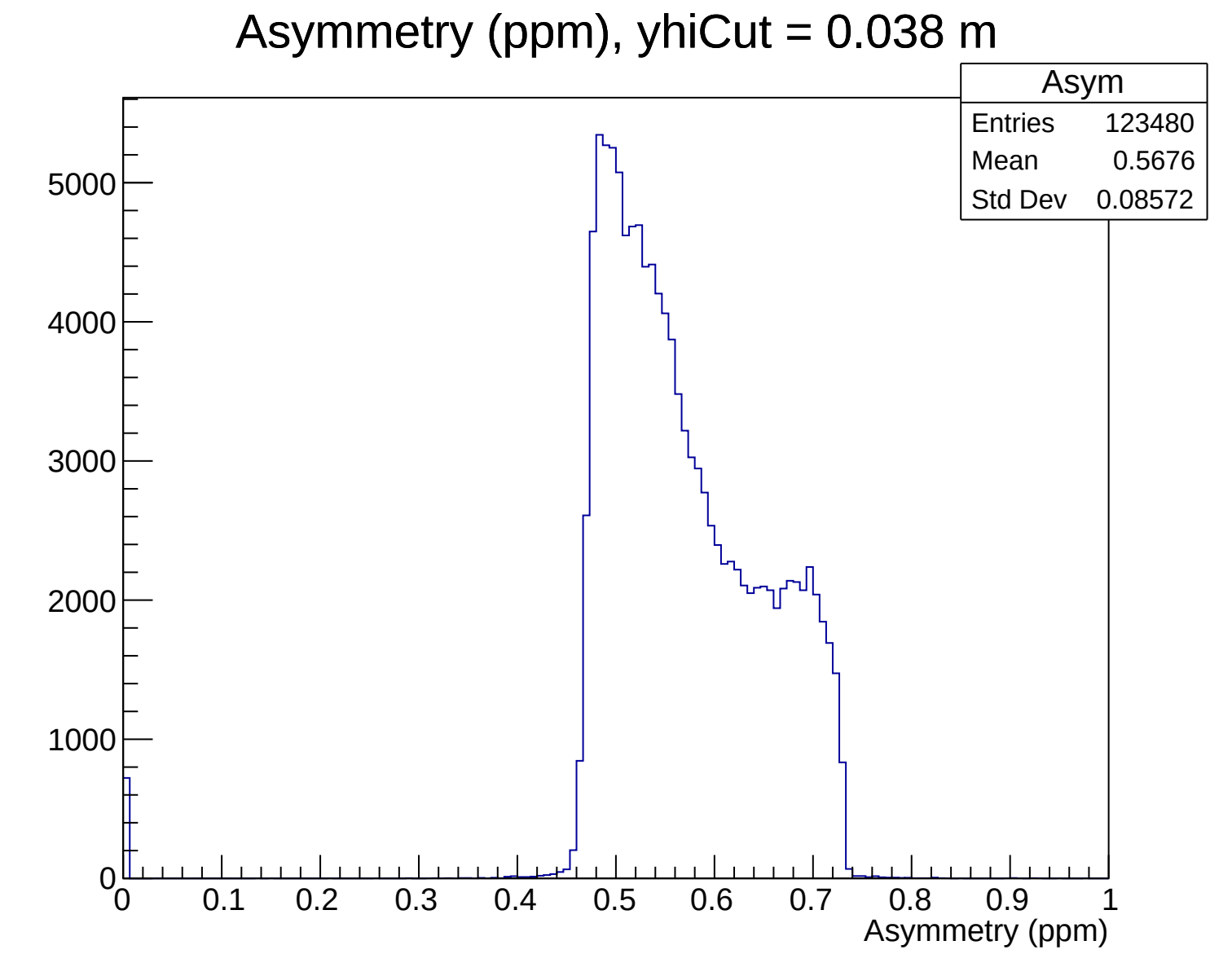

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

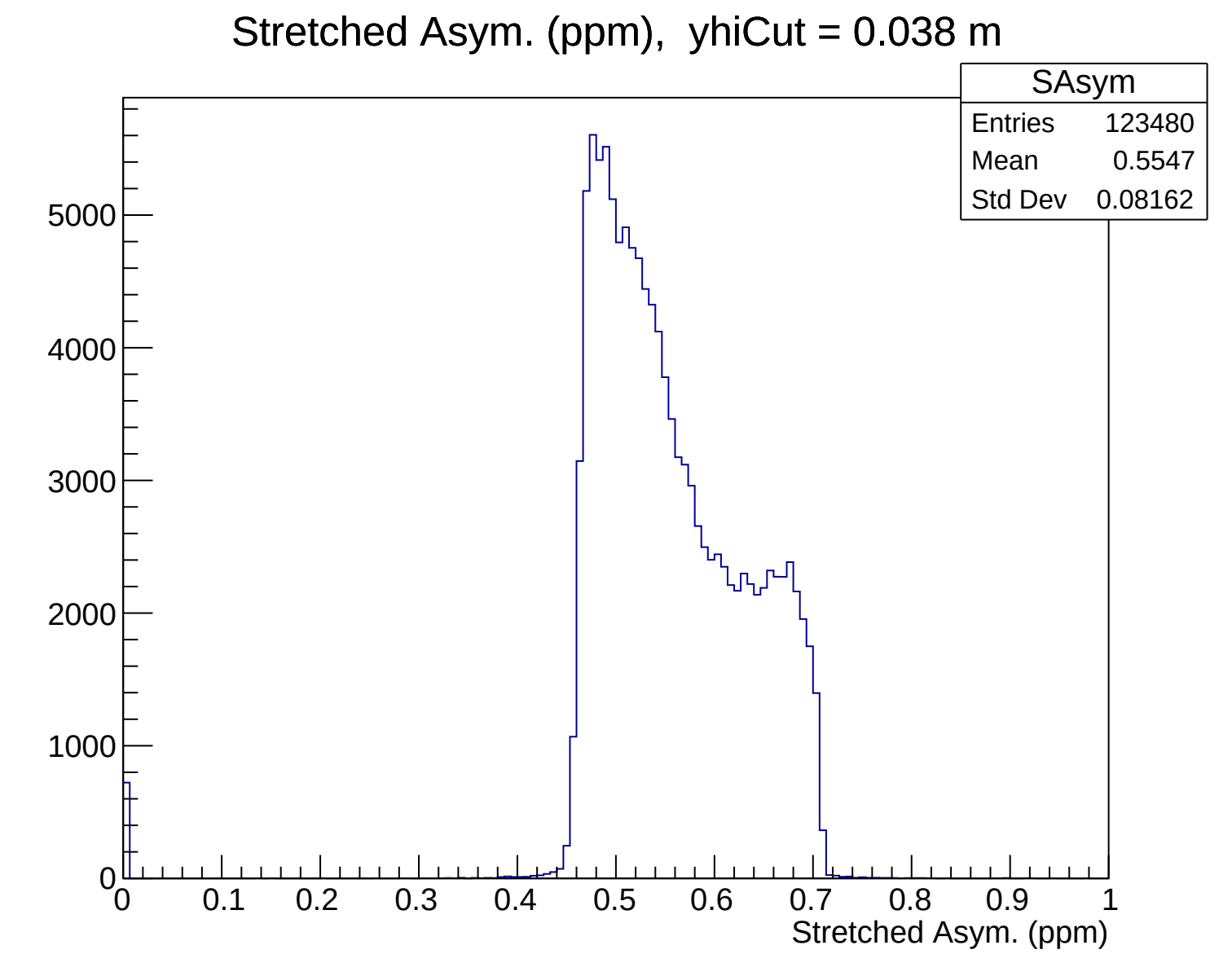

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.038
R.tr.y[0]+1.3*R.tr.ph[0] (m)

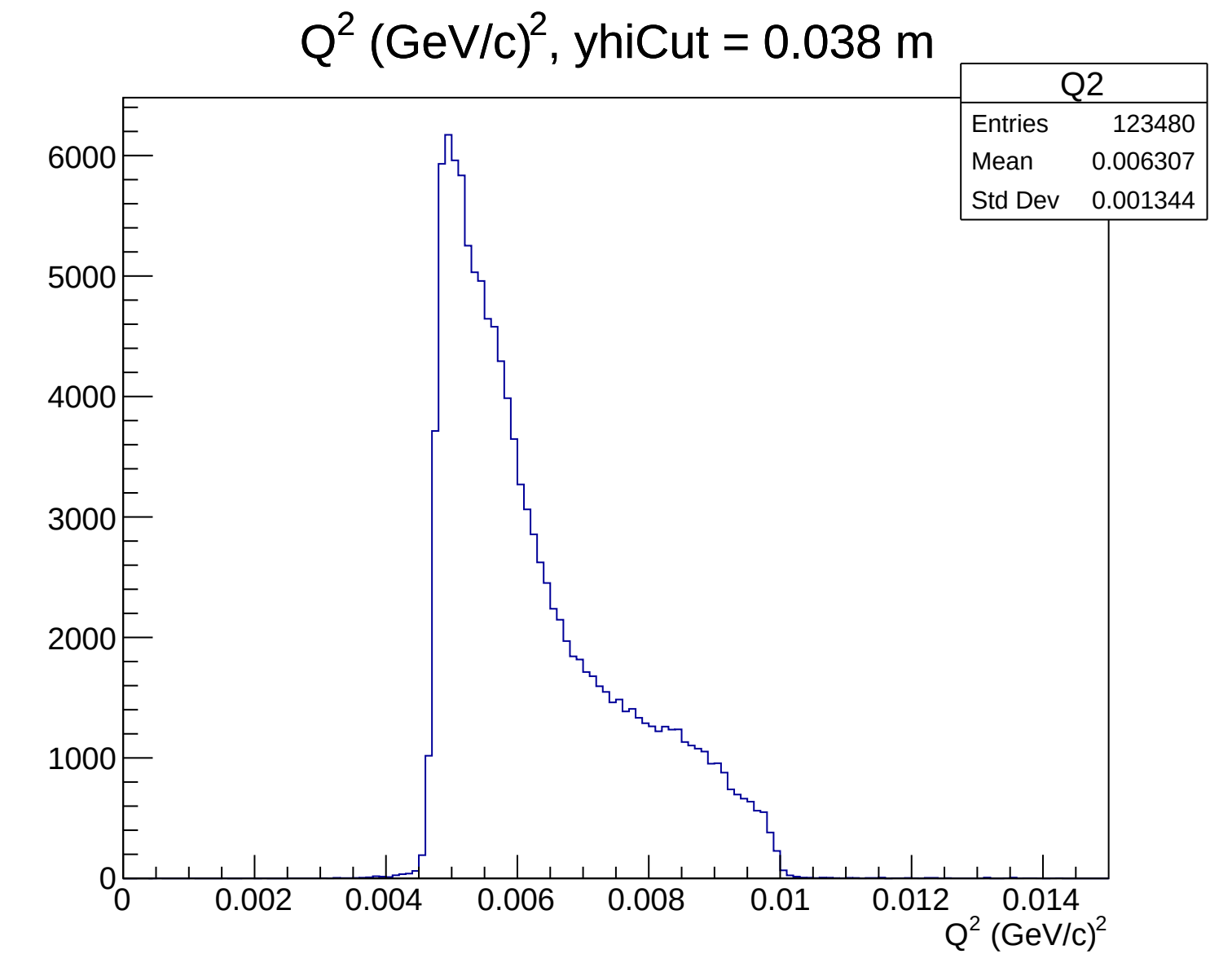

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

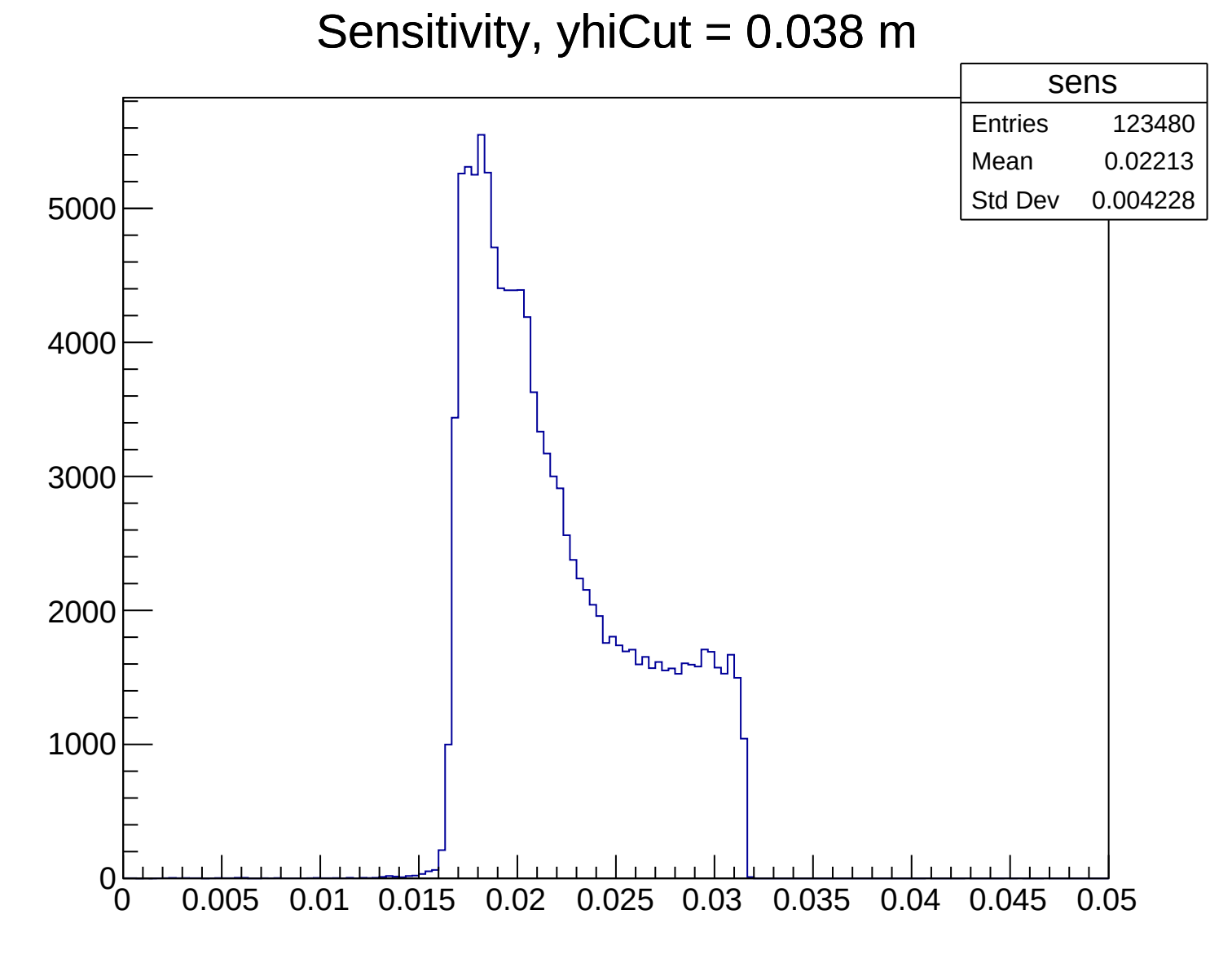

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)

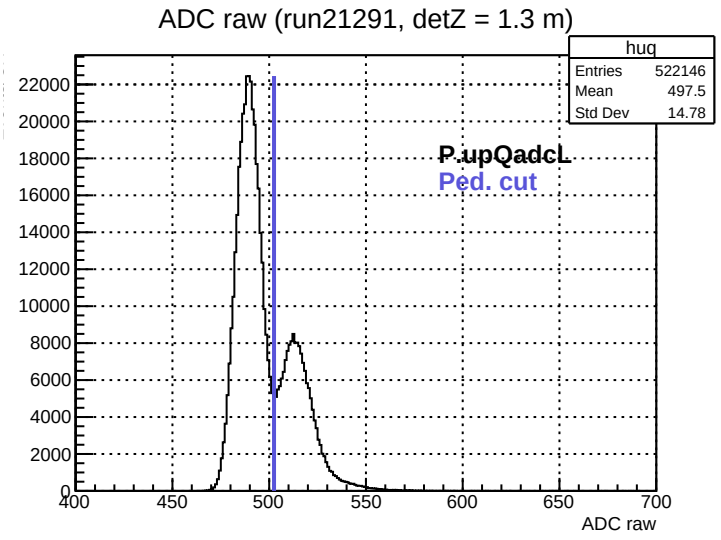

θlab (deg), yhiCut = 0.038 m
Theta
Entries 123480
Mean 4.773
Std Dev 0.4953
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

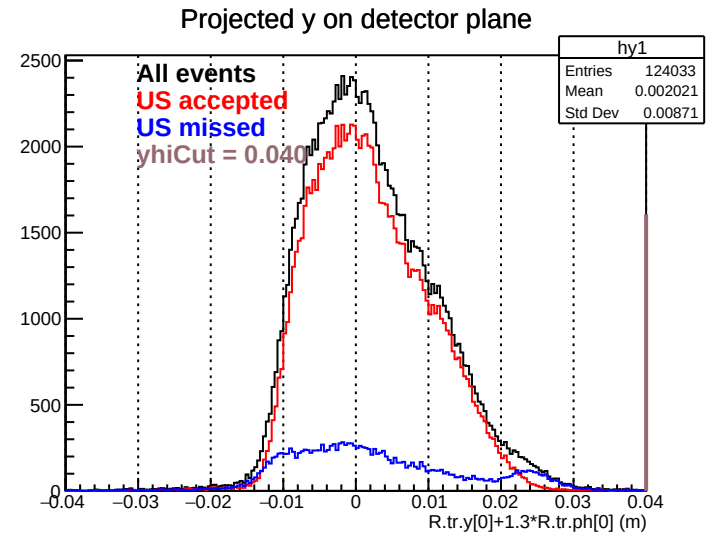

Asymmetry (ppm), yhiCut = 0.038 m
Asym
Entries 123480
Mean 0.5676
Std Dev 0.08572
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

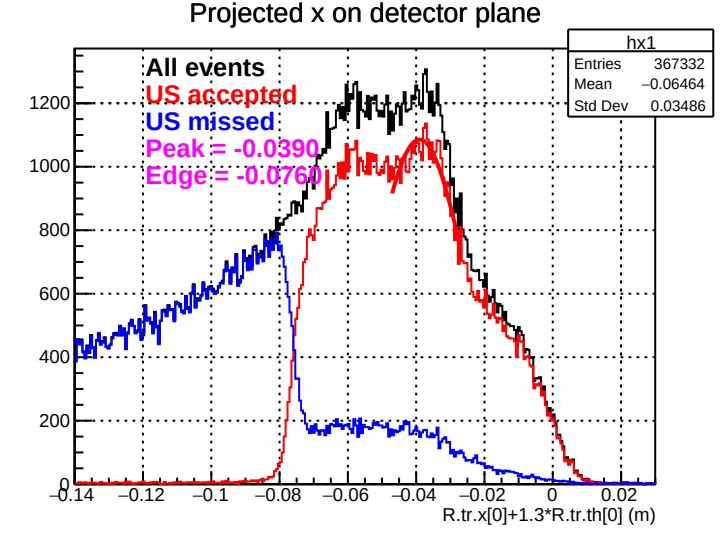

Stretched Asym. (ppm), yhiCut = 0.038 m
SAsym
Entries 123480
Mean 0.5547
Std Dev 0.08162
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

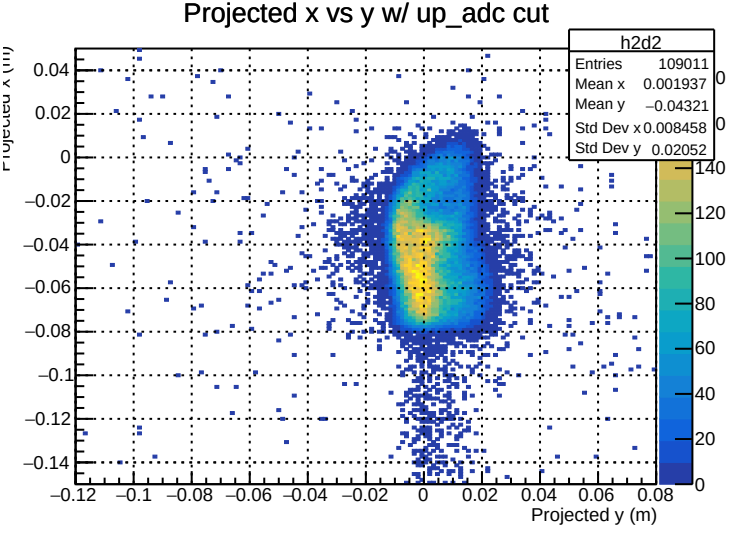

Q^2 (GeV/c)^2, yhiCut = 0.038 m
Q2
Entries 123480
Mean 0.006307
Std Dev 0.001344
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

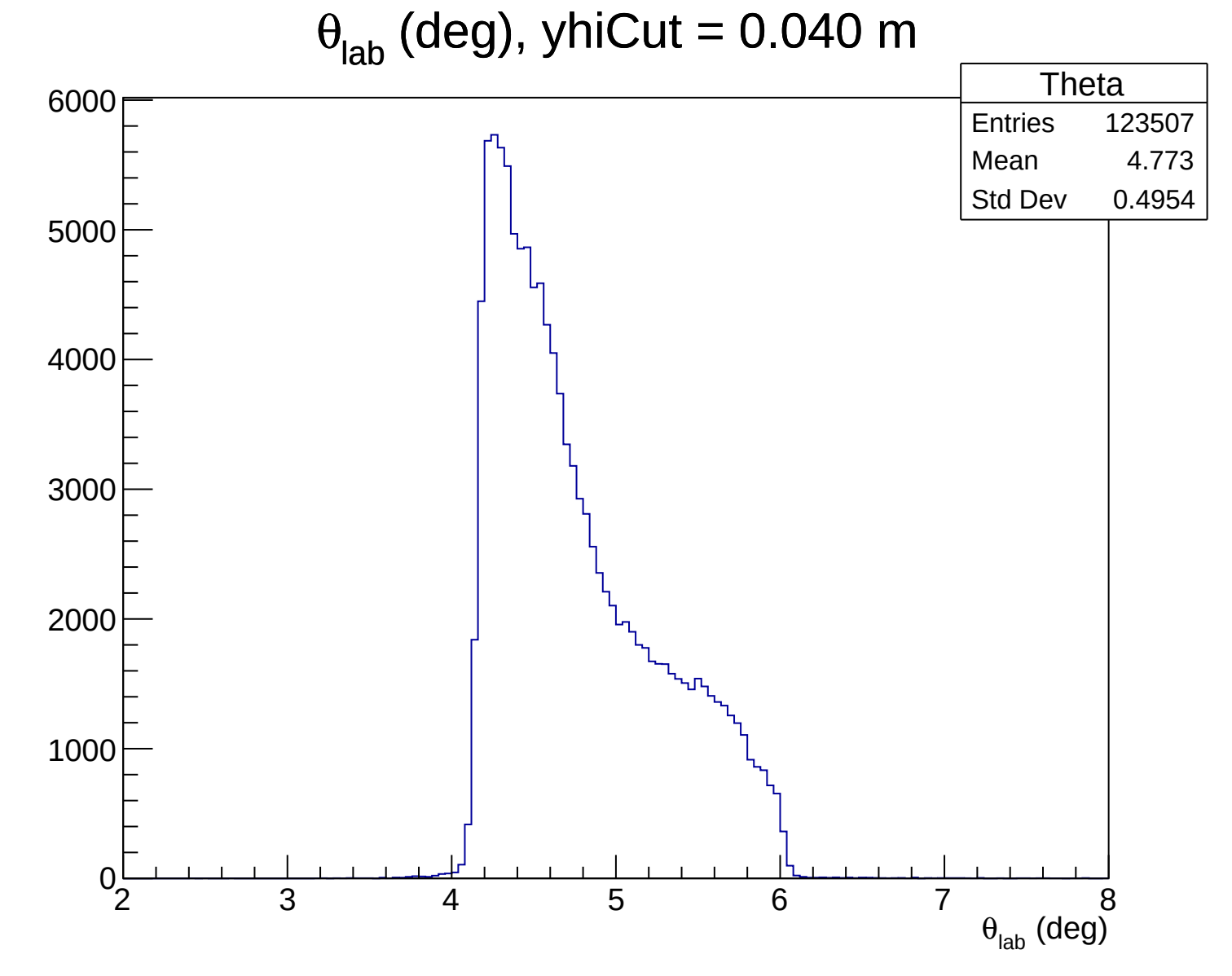

Sensitivity, yhiCut = 0.038 m
sens
Entries 123480
Mean 0.02213
Std Dev 0.004228
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

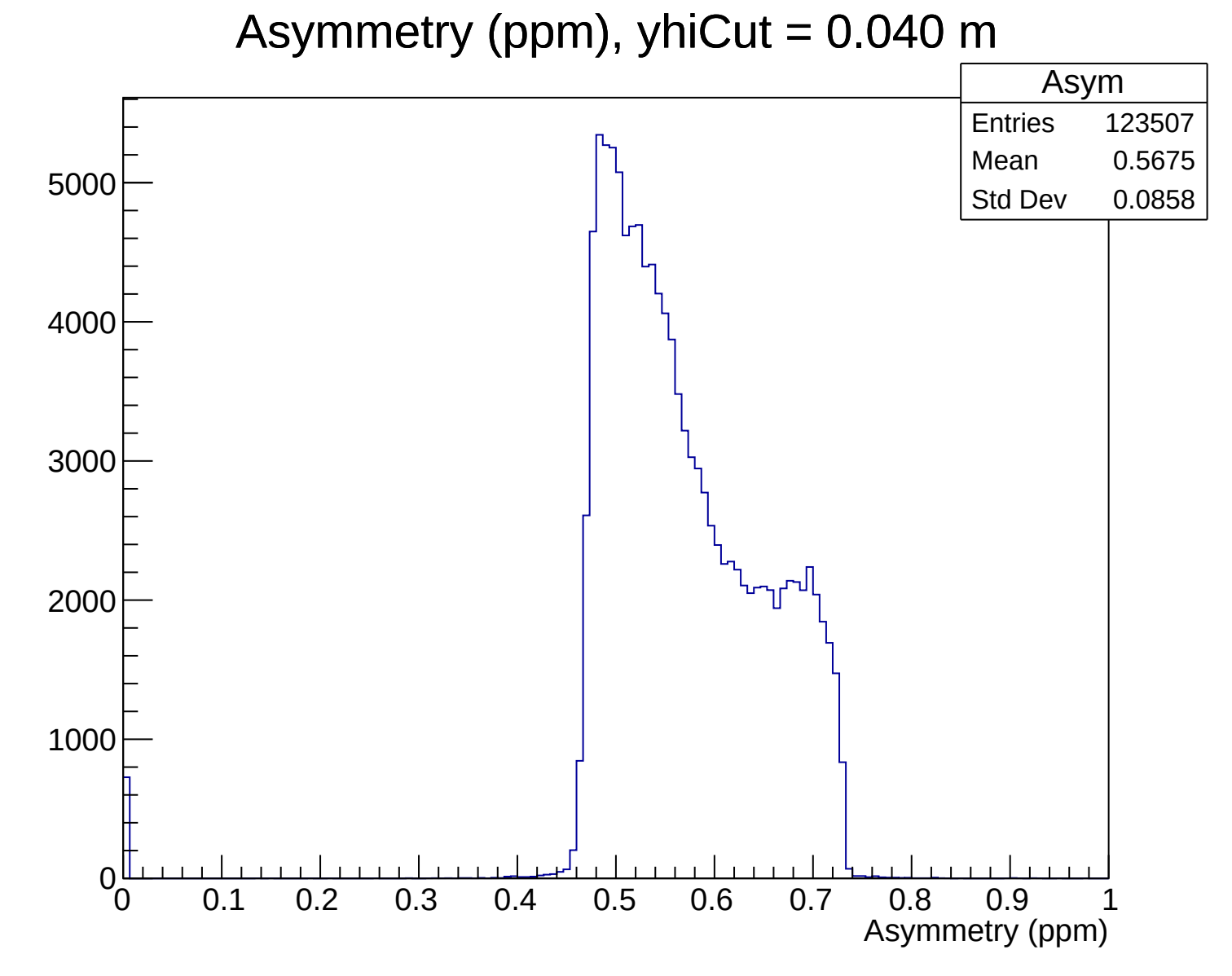

ADC raw (run21291, detZ = 1.3 m)
huq
Entries 522146
Mean 497.5
Std Dev 14.78
P.upQadcL
Ped. cut
ADC raw

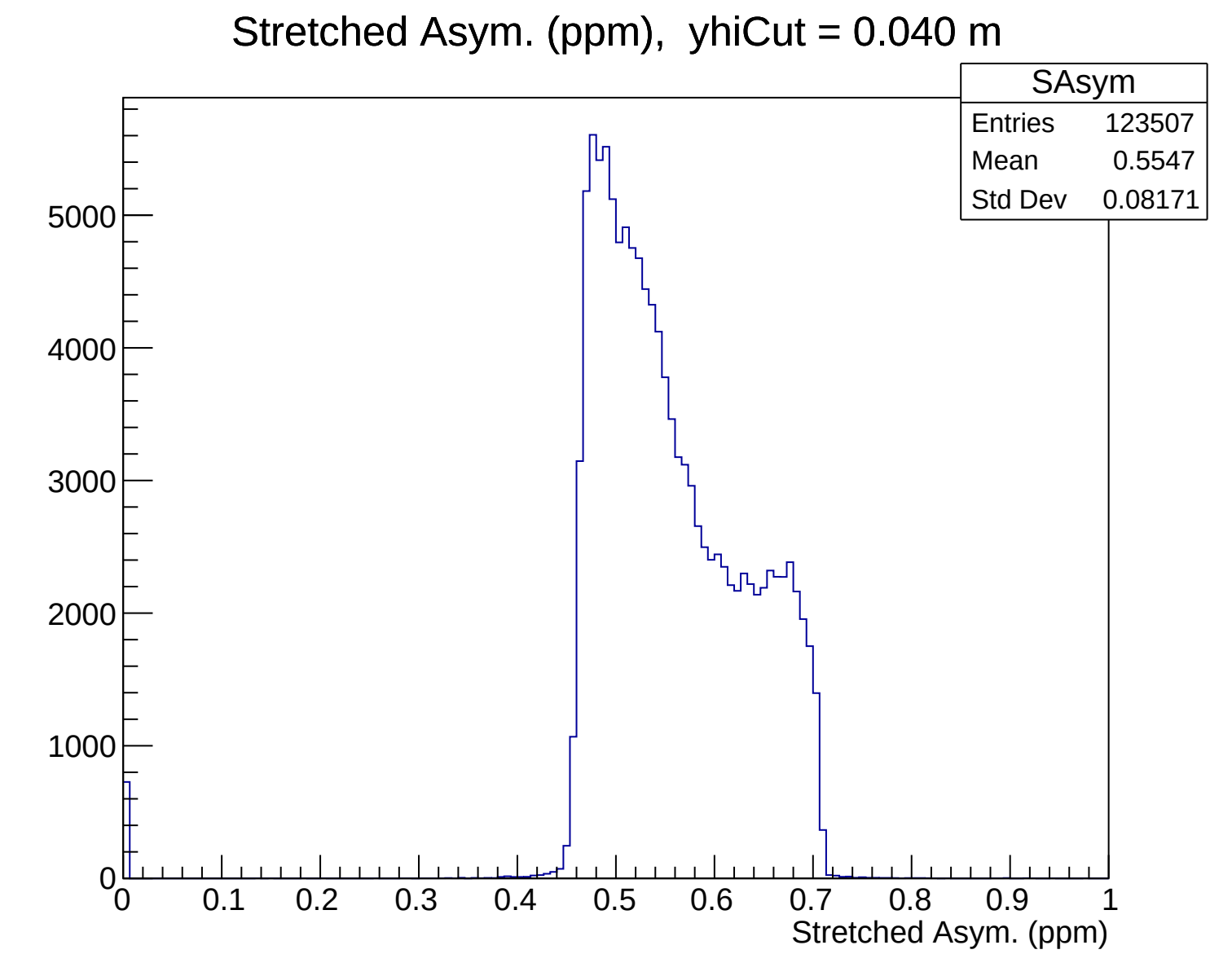

Projected y on detector plane
hy1
Entries 124033
Mean 0.002021
Std Dev 0.00871
All events
US accepted
US missed
yhiCut = 0.040
R.tr.y[0]+1.3*R.tr.ph[0] (m)

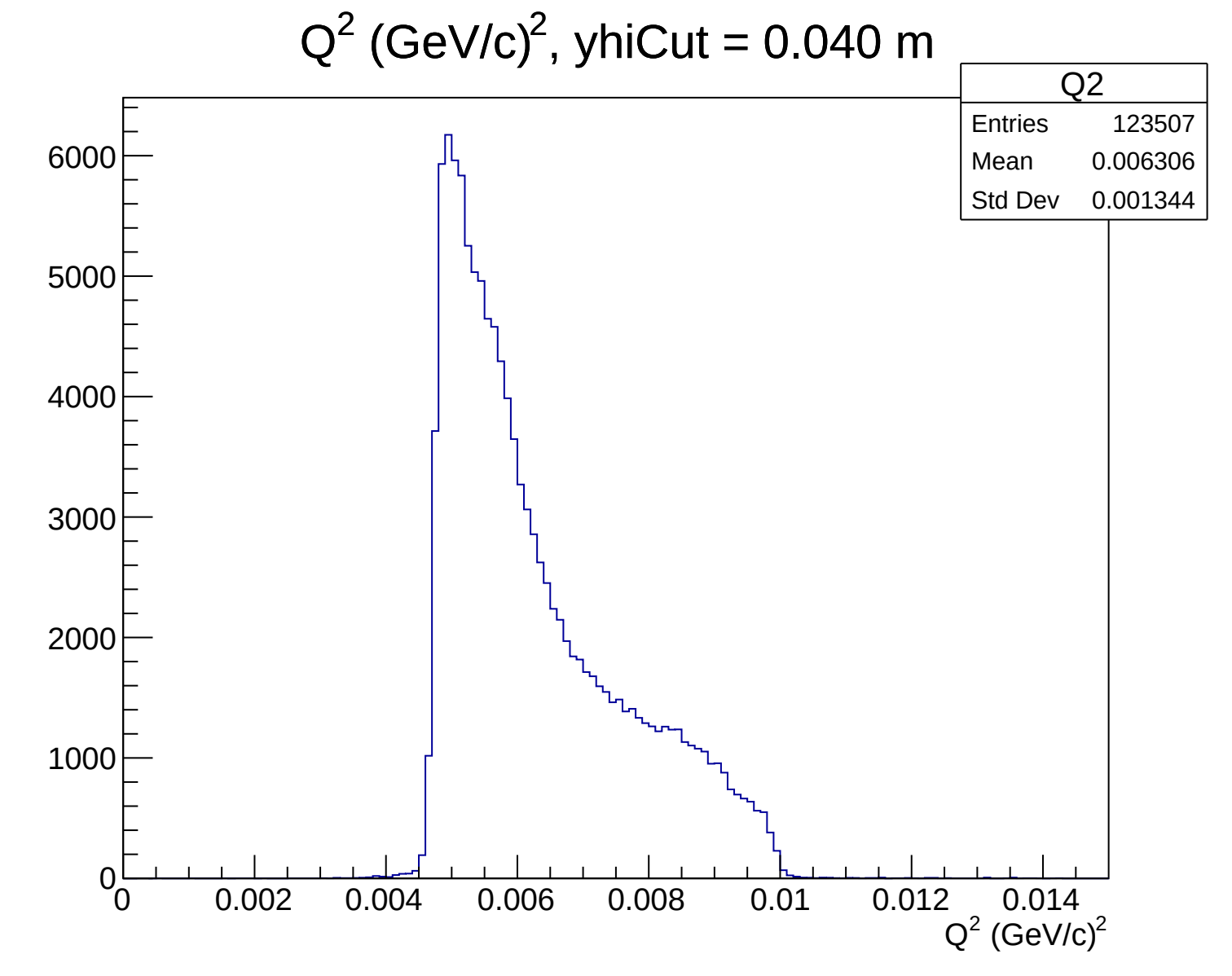

Projected x on detector plane
hx1
Entries 367332
Mean −0.06464
Std Dev 0.03486
All events
US accepted
US missed
Peak = -0.0390
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

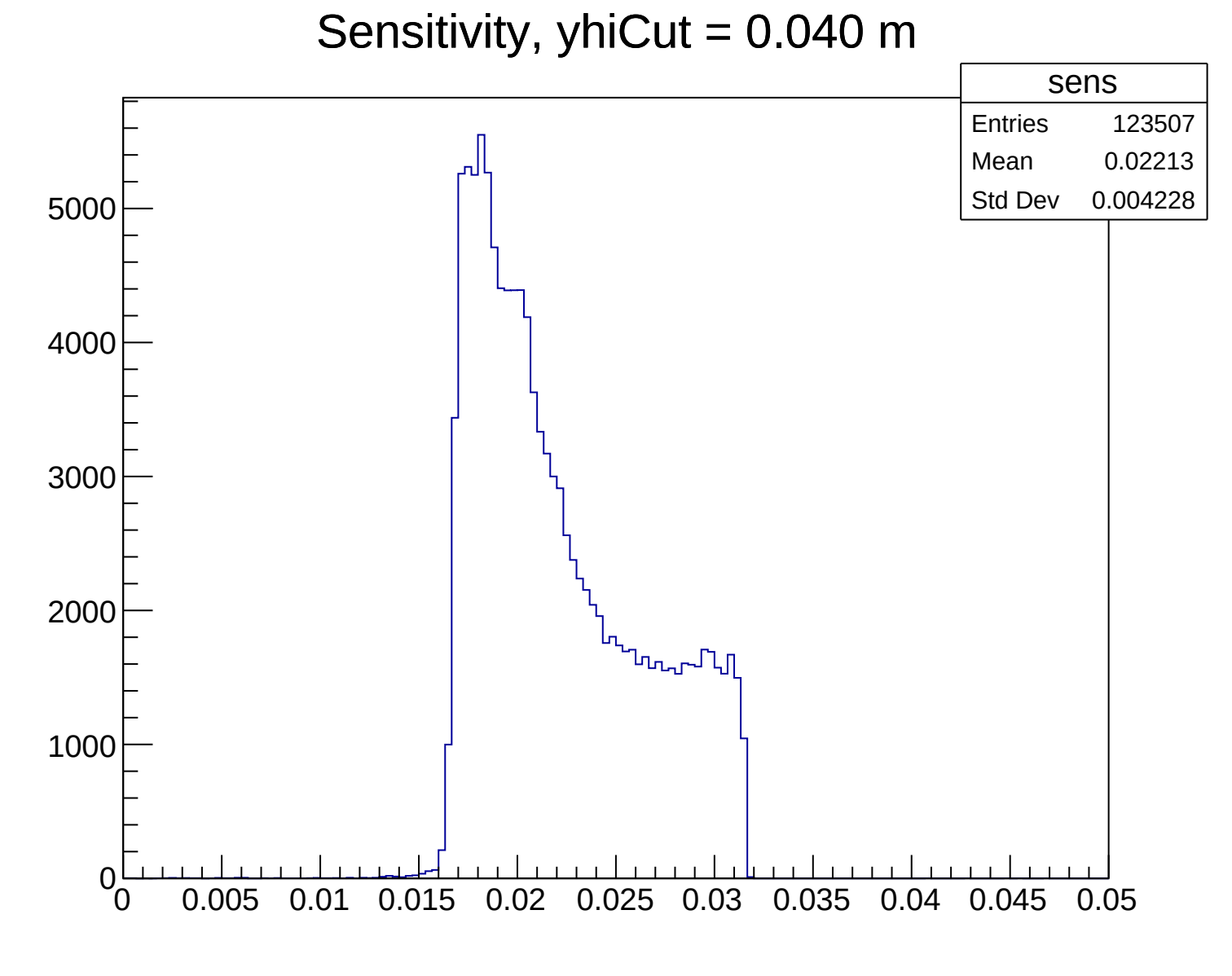

Projected x vs y w/ up_adc cut
h2d2
Entries 109011
Mean x 0.001937
Mean y −0.04321
Std Dev x 0.008458
Std Dev y 0.02052
Projected y (m)


θlab (deg), yhiCut = 0.040 m
Theta
Entries 123507
Mean 4.773
Std Dev 0.4954
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), yhiCut = 0.040 m
Asym
Entries 123507
Mean 0.5675
Std Dev 0.0858
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 123507
Mean 0.5547
Std Dev 0.08171
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 123507
Mean 0.006306
Std Dev 0.001344
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, yhiCut = 0.040 m
sens
Entries 123507
Mean 0.02213
Std Dev 0.004228
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