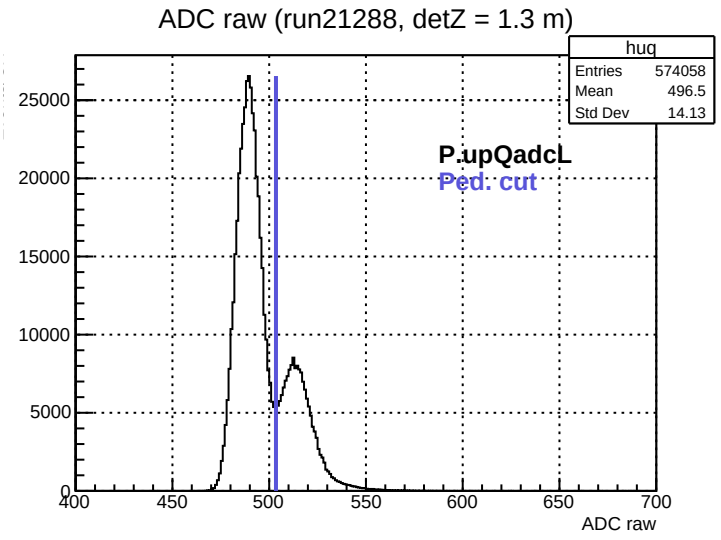
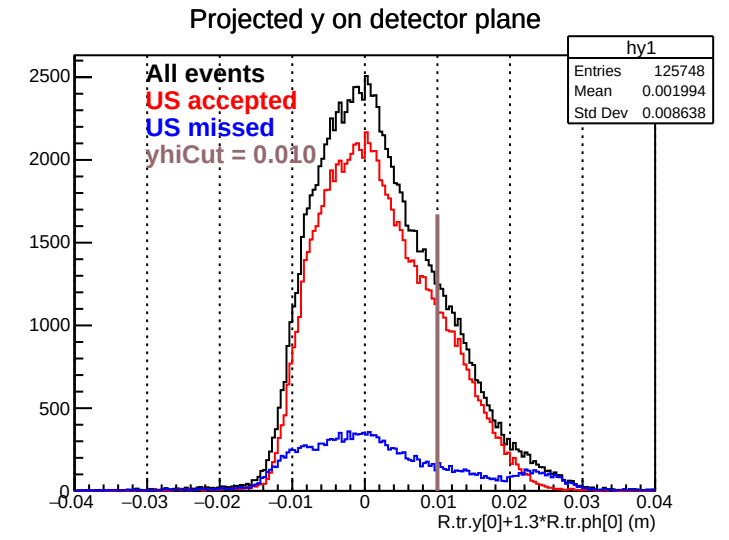
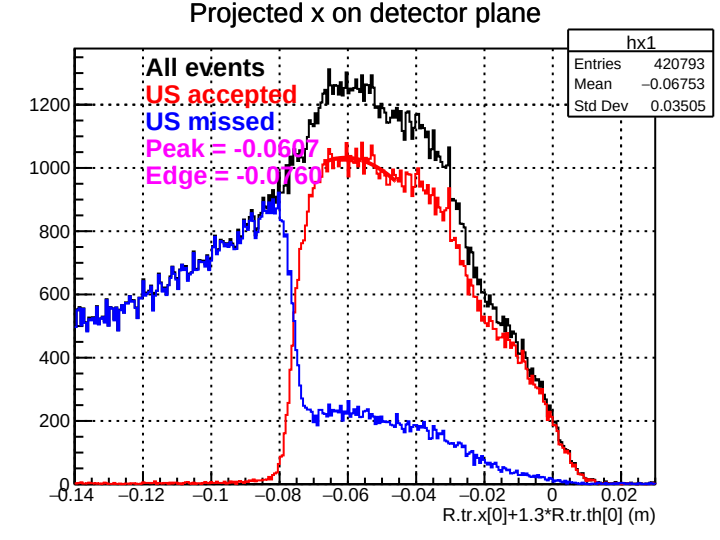
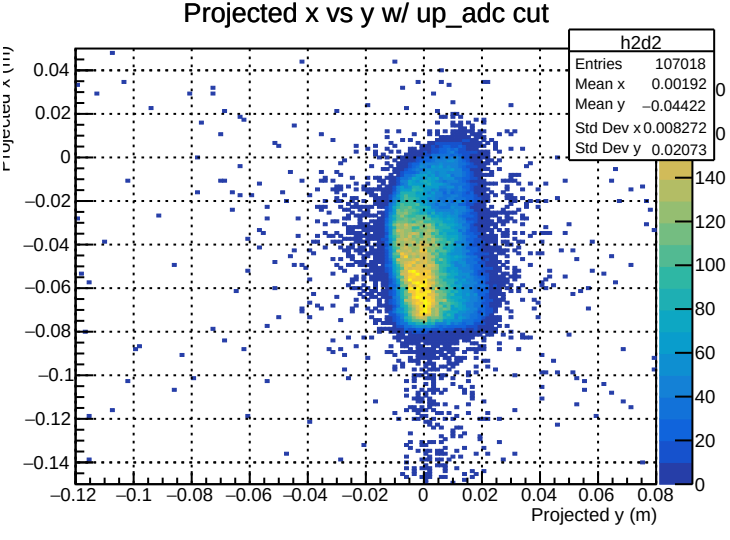
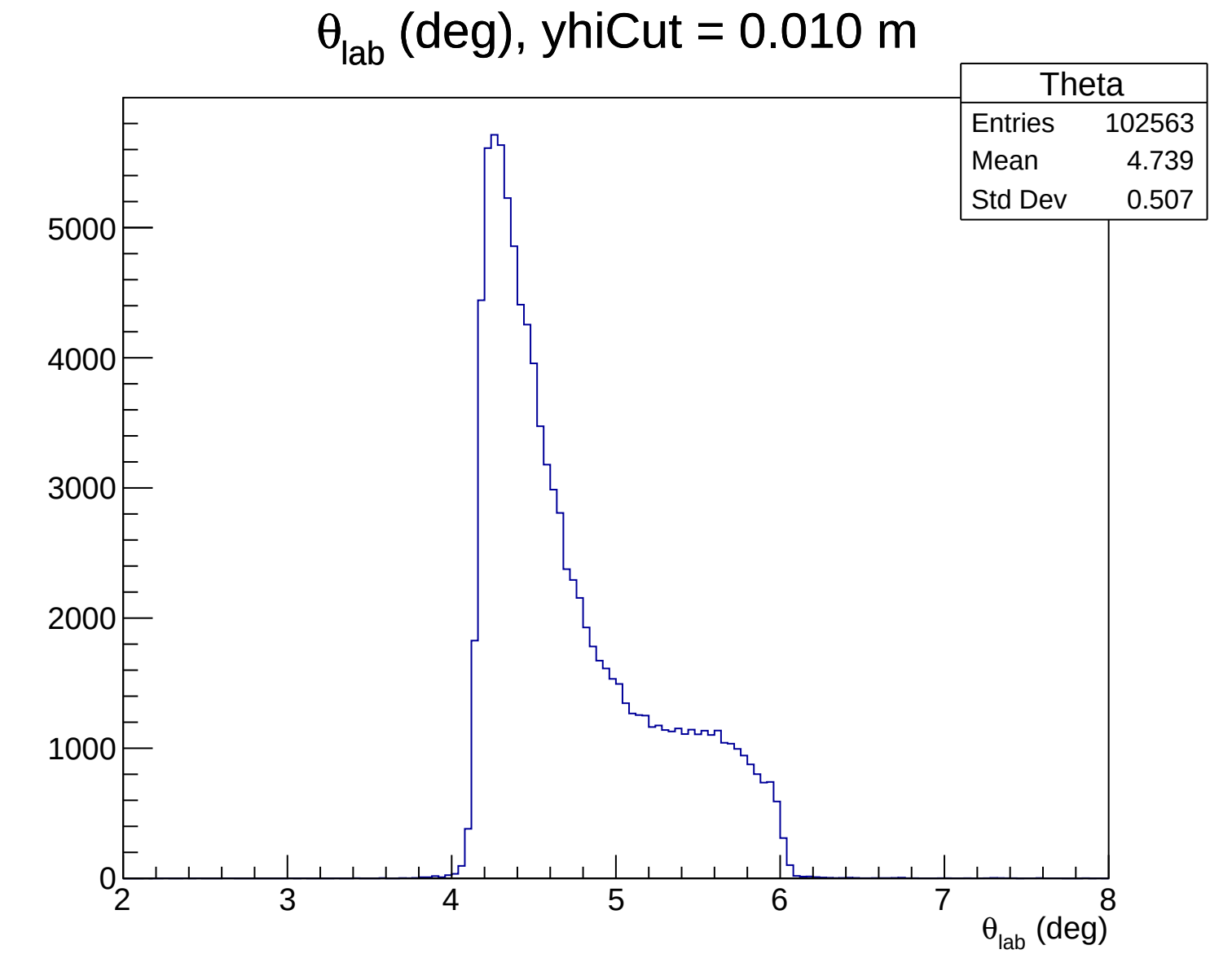
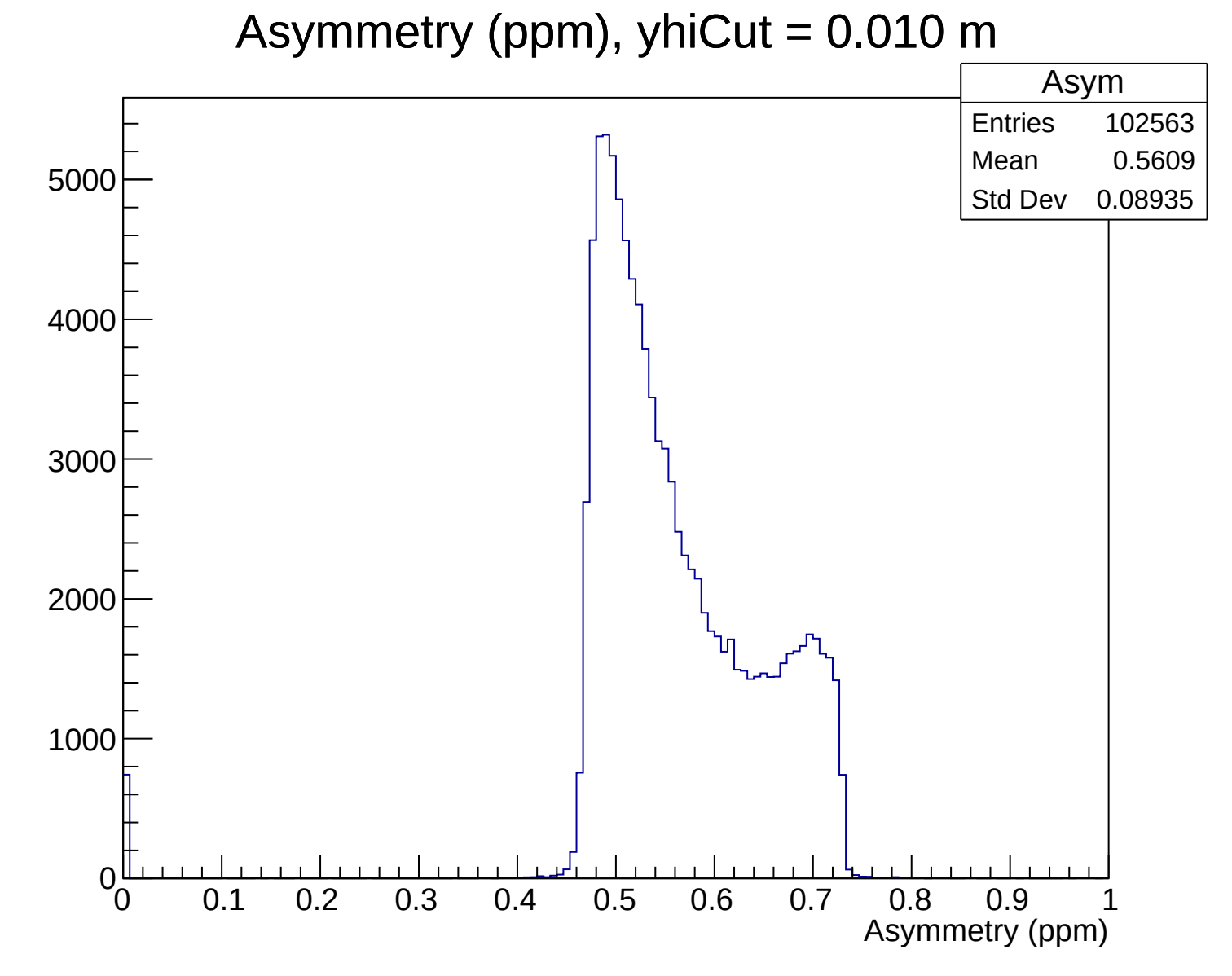

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

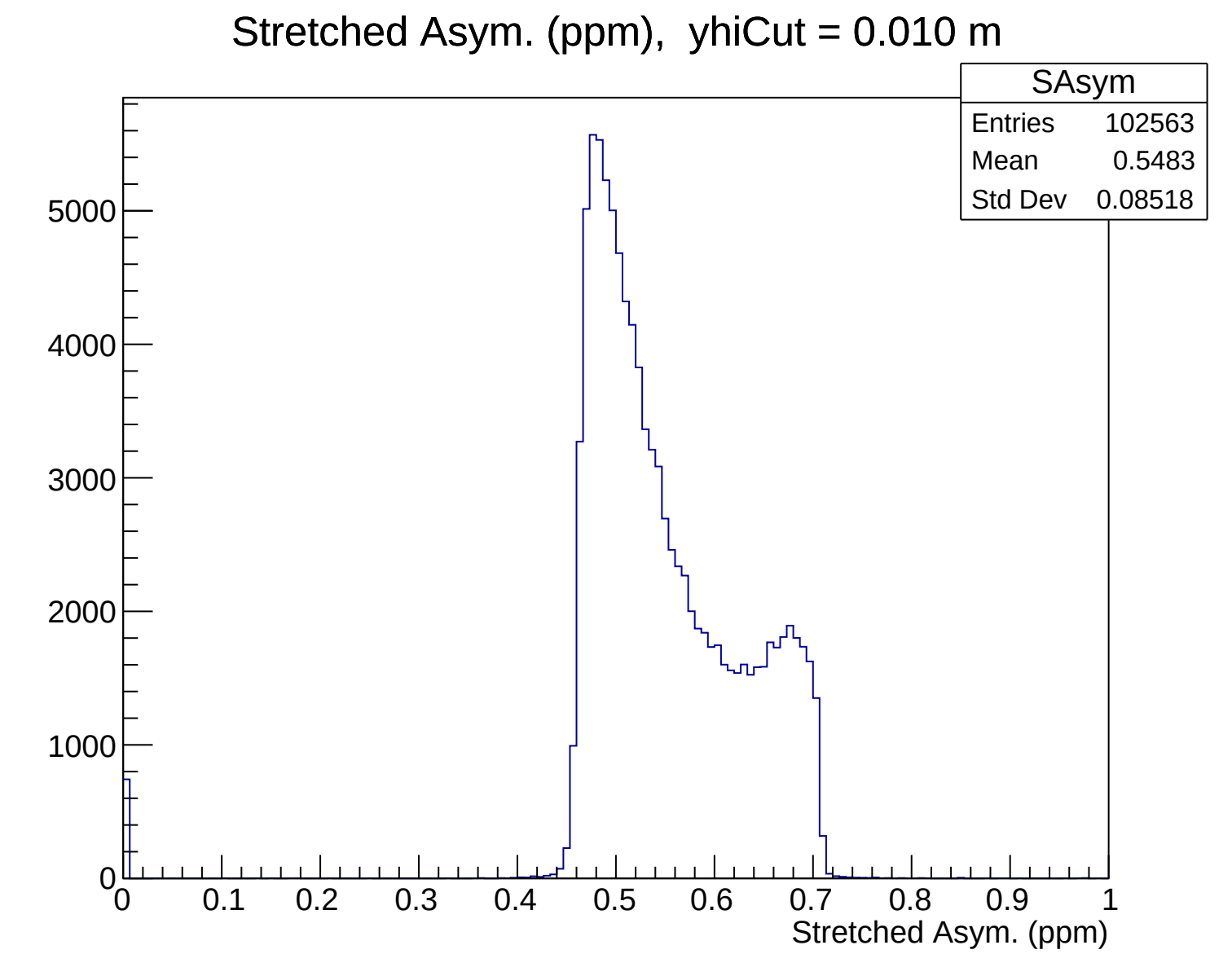

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.010
R.tr.y[0]+1.3*R.tr.ph[0] (m)

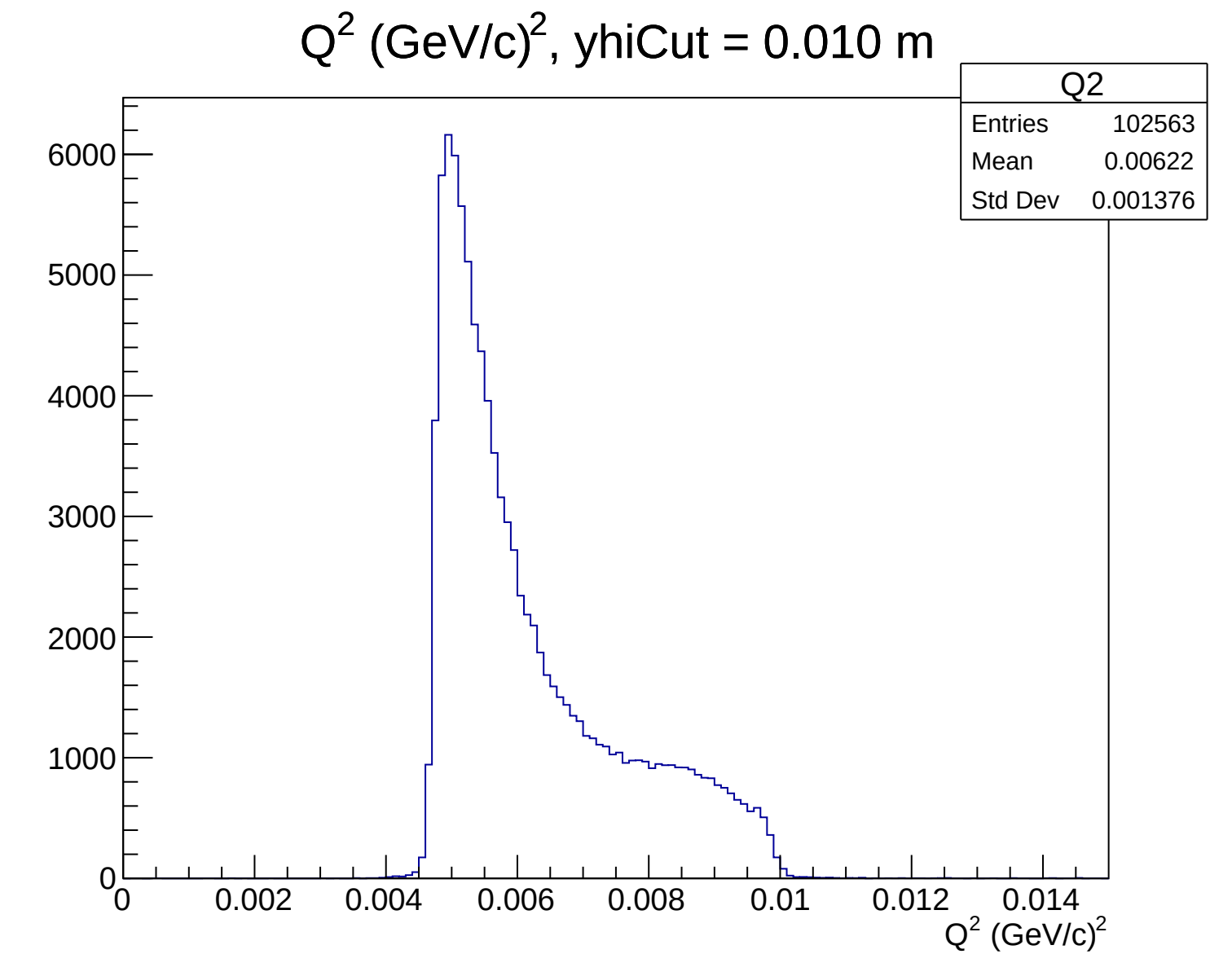

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

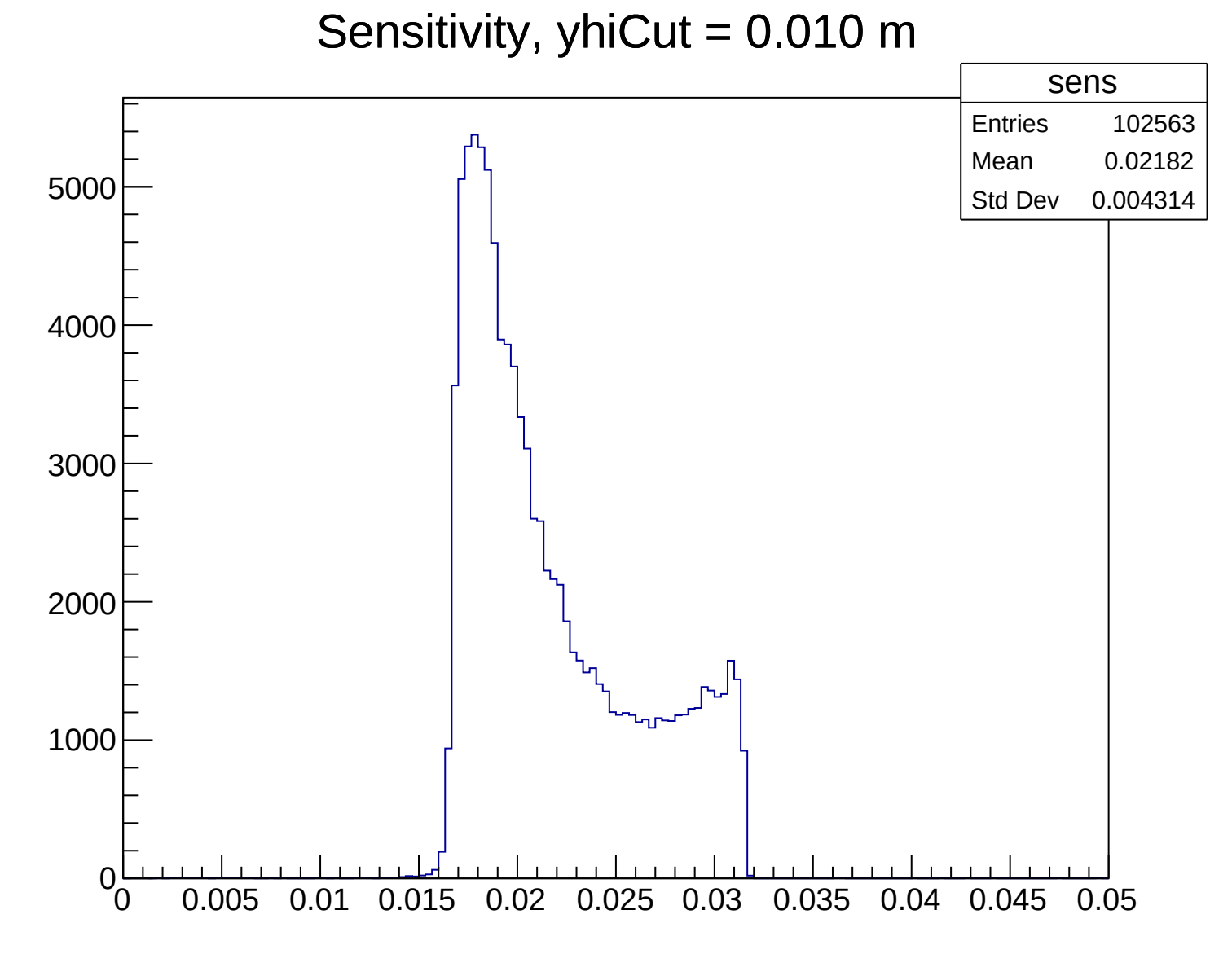

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

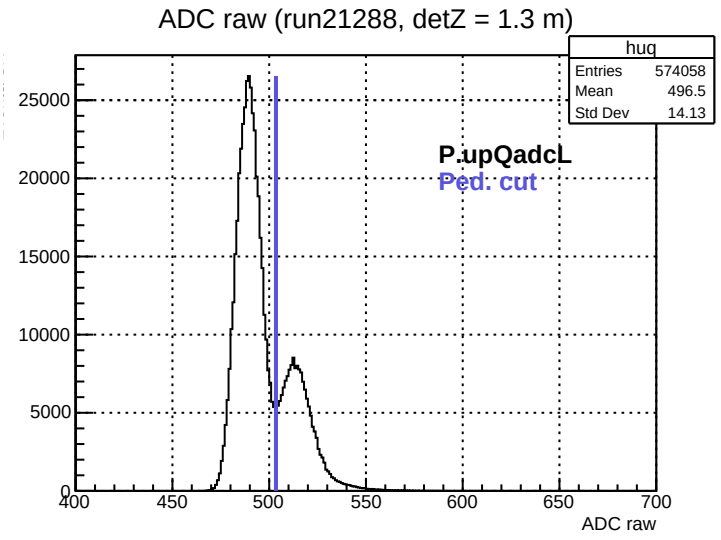

θlab (deg), yhiCut = 0.010 m
Theta
Entries 102563
Mean 4.739
Std Dev 0.507
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

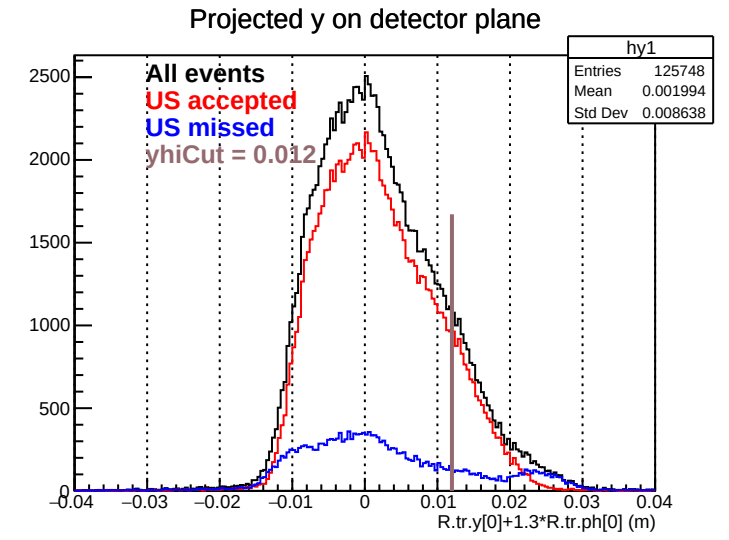

Asymmetry (ppm), yhiCut = 0.010 m
Asym
Entries 102563
Mean 0.5609
Std Dev 0.08935
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

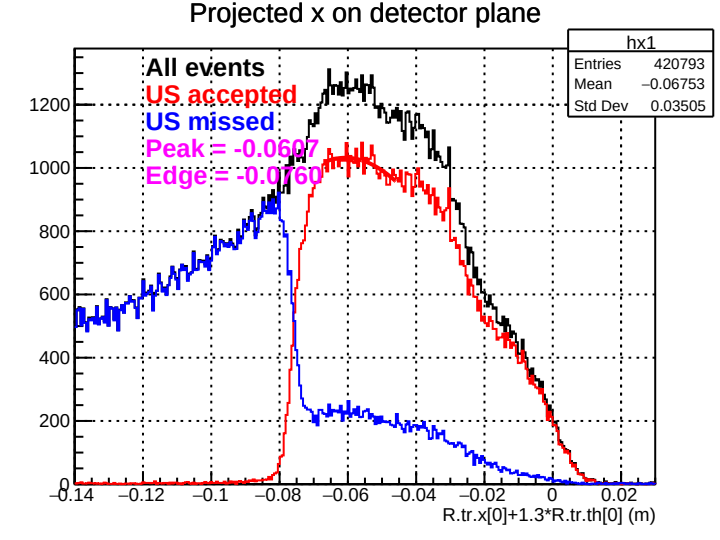

Stretched Asym. (ppm), yhiCut = 0.010 m
SAsym
Entries 102563
Mean 0.5483
Std Dev 0.08518
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

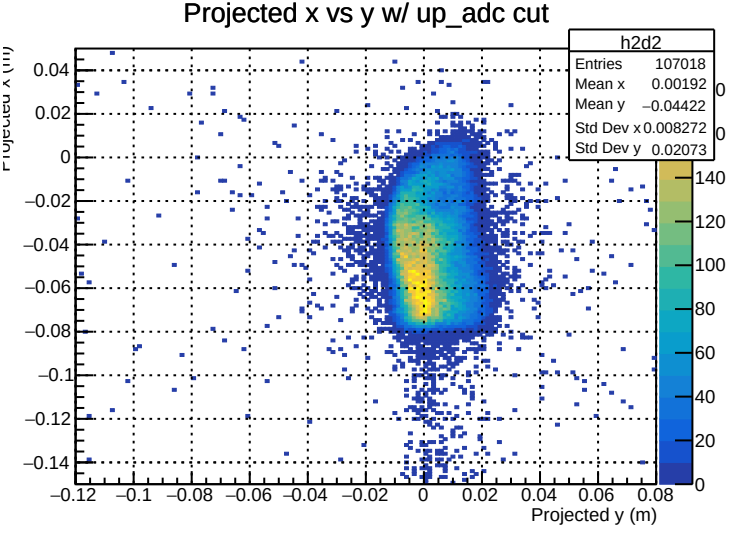

Q^2 (GeV/c)^2, yhiCut = 0.010 m
Q2
Entries 102563
Mean 0.00622
Std Dev 0.001376
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

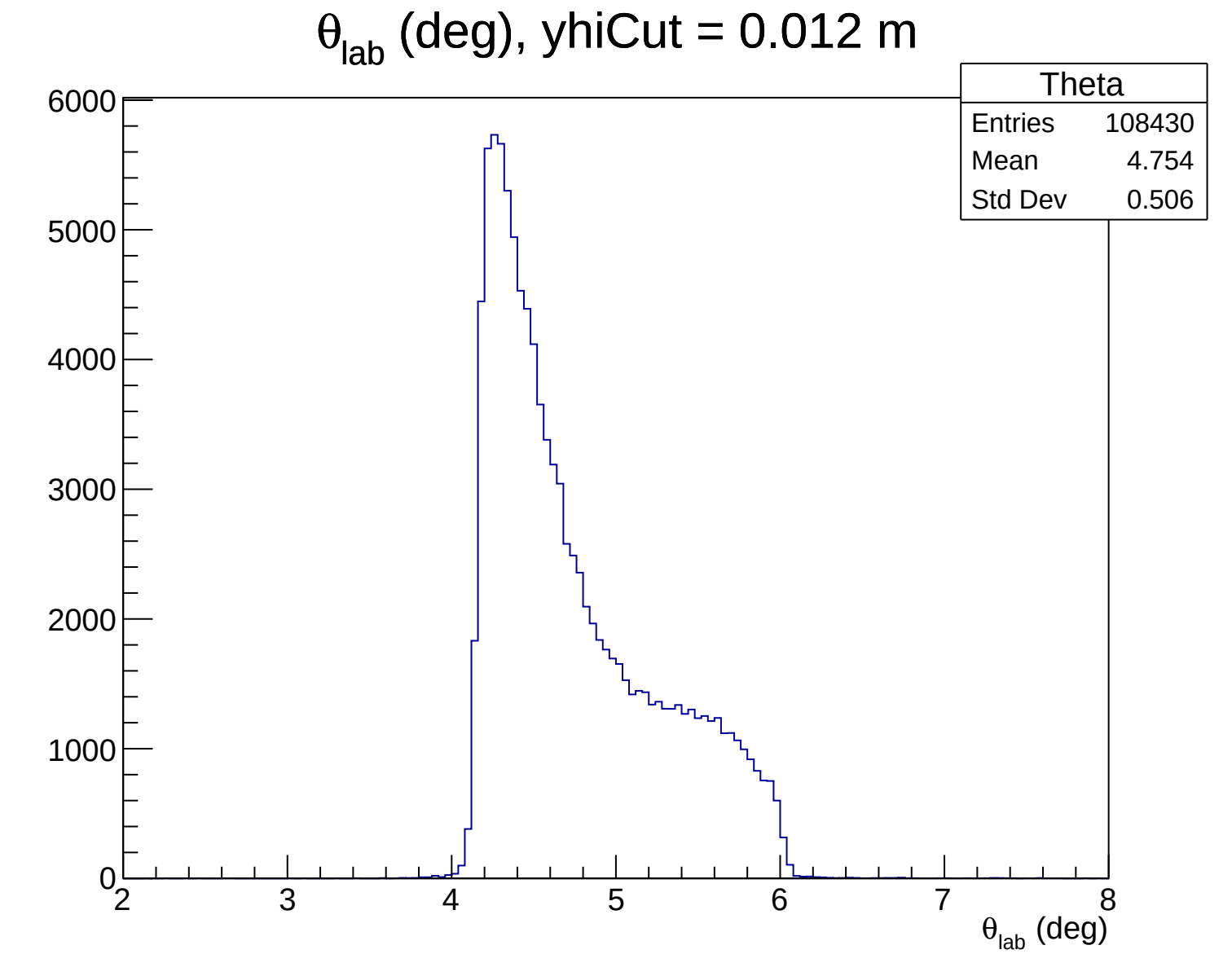

Sensitivity, yhiCut = 0.010 m
sens
Entries 102563
Mean 0.02182
Std Dev 0.004314
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

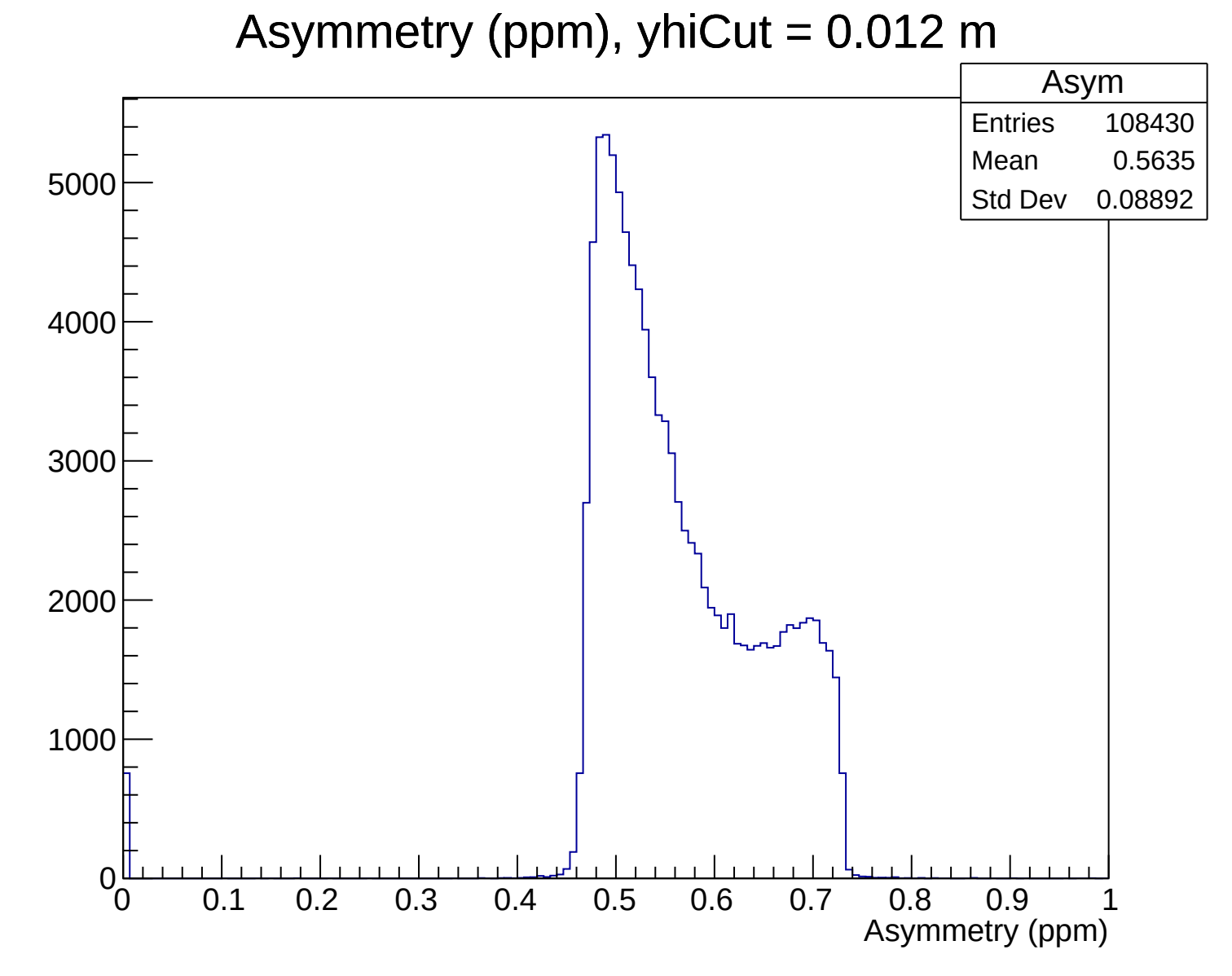

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

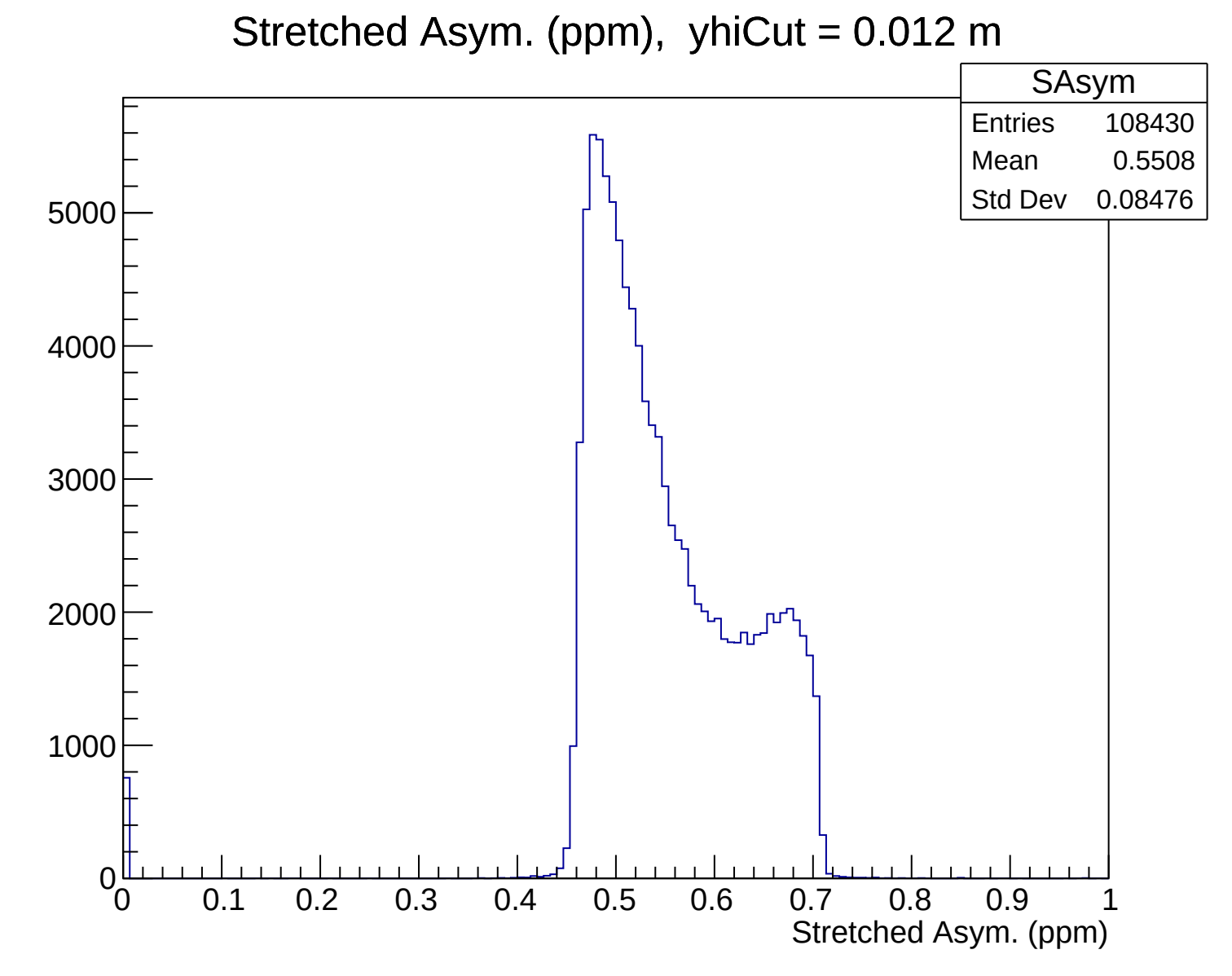

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.012
R.tr.y[0]+1.3*R.tr.ph[0] (m)

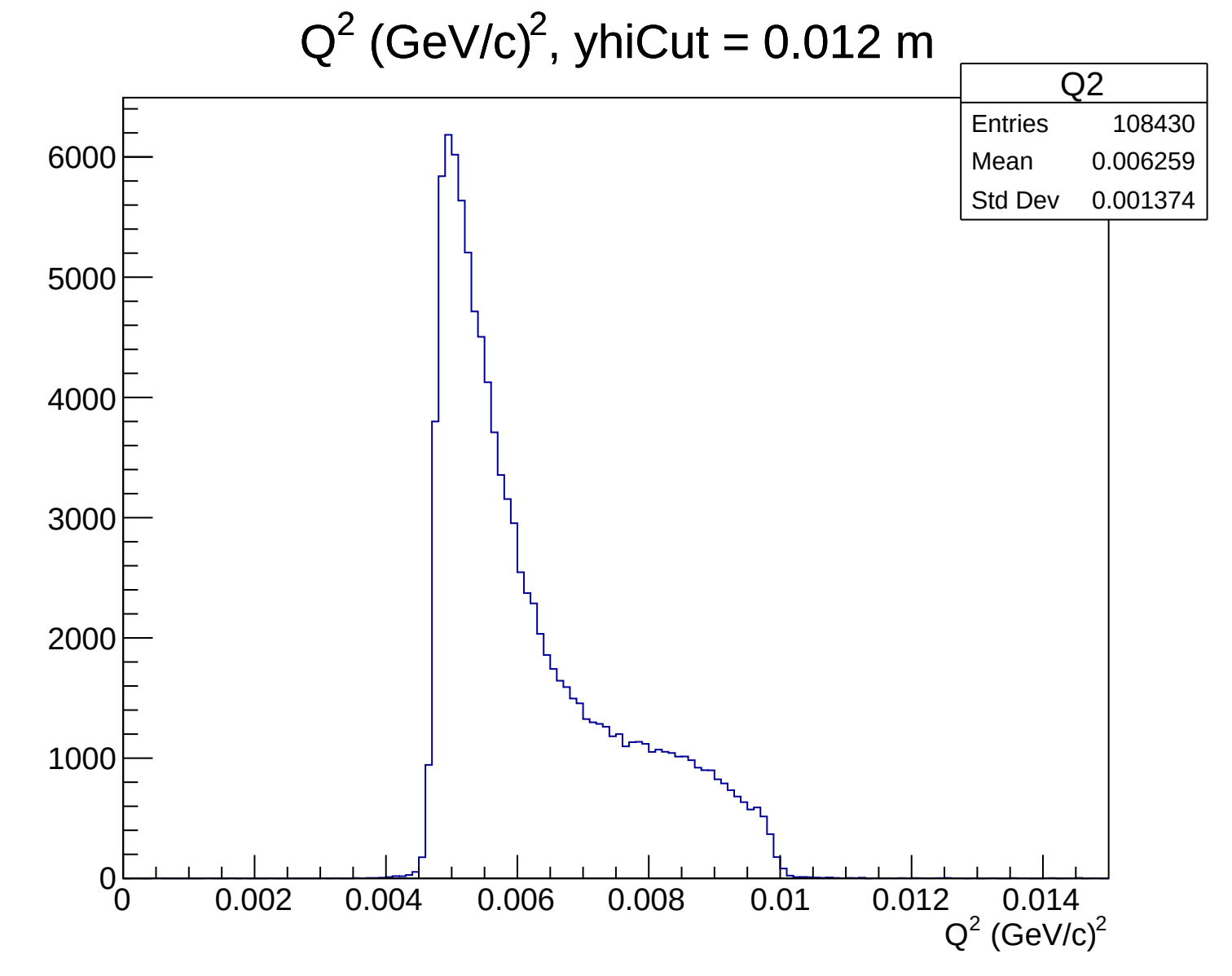

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

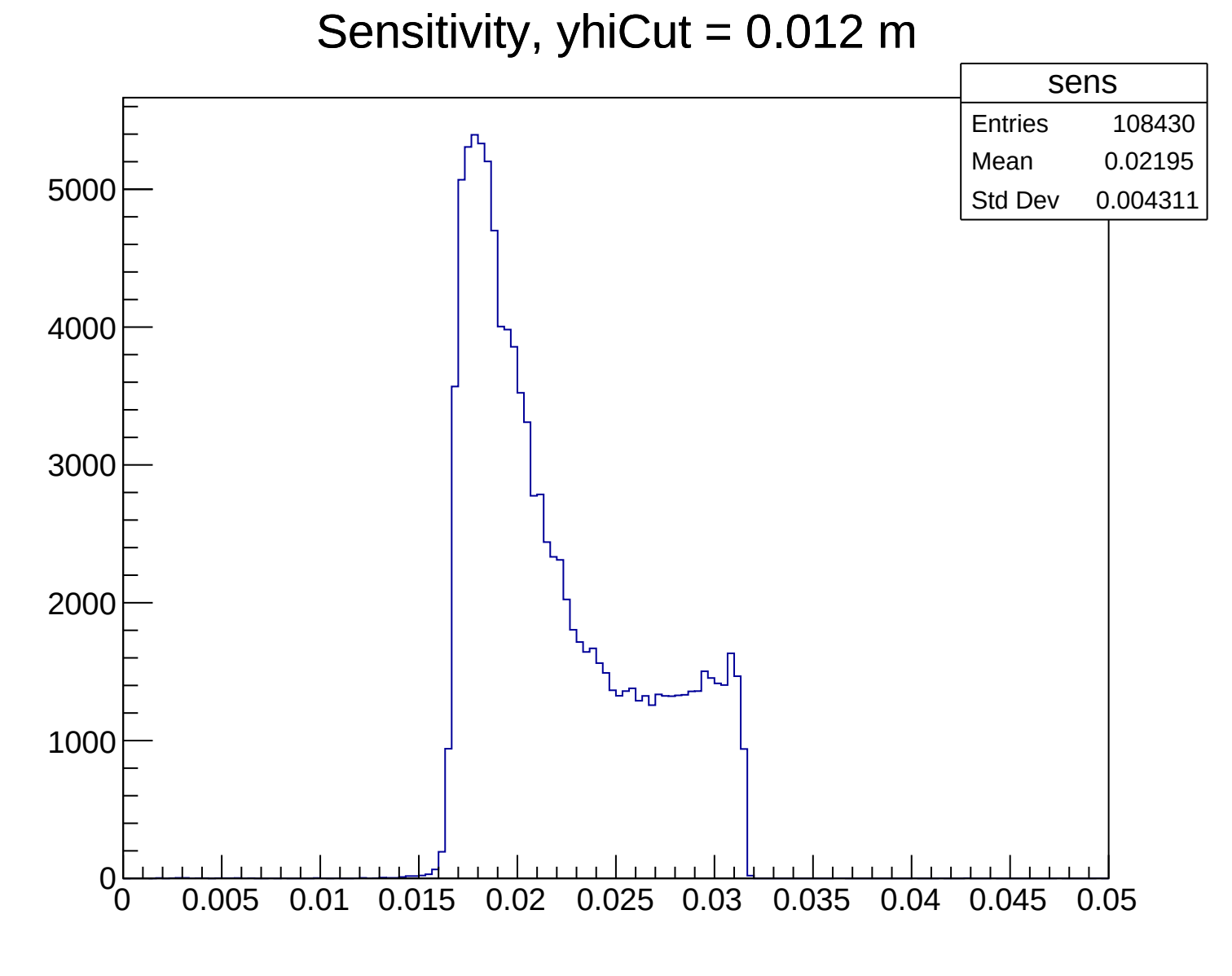

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

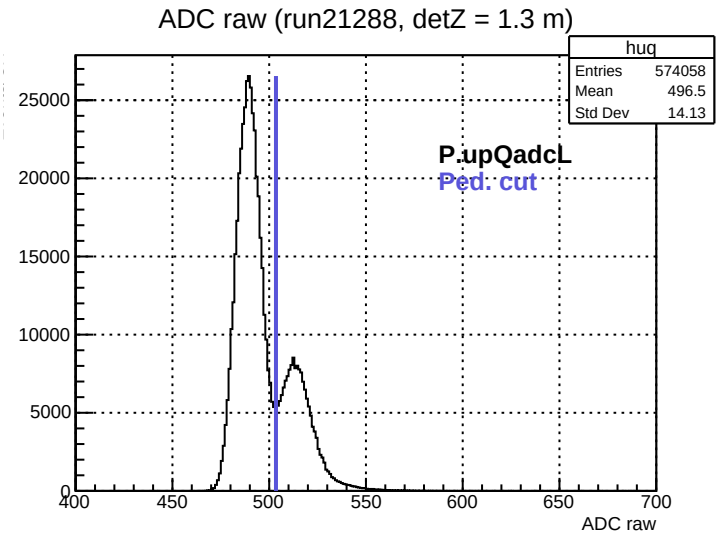

θlab (deg), yhiCut = 0.012 m
Theta
Entries 108430
Mean 4.754
Std Dev 0.506
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

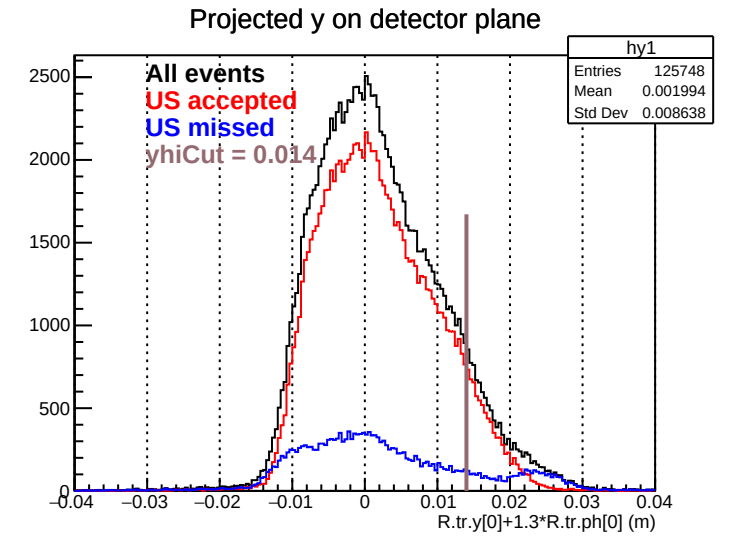

Asymmetry (ppm), yhiCut = 0.012 m
Asym
Entries 108430
Mean 0.5635
Std Dev 0.08892
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

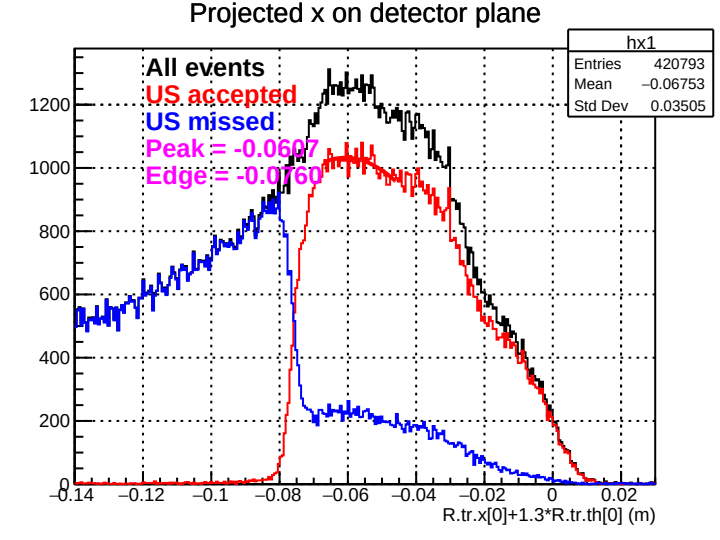

Stretched Asym. (ppm), yhiCut = 0.012 m
SAsym
Entries 108430
Mean 0.5508
Std Dev 0.08476
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

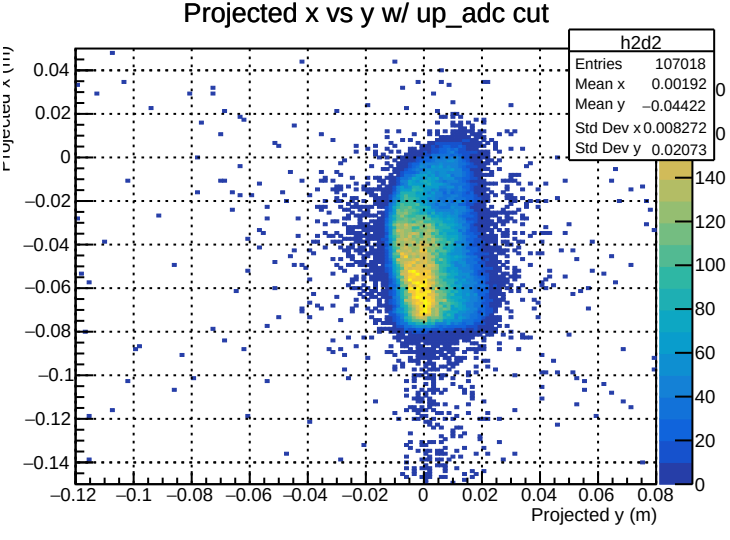

Q^2 (GeV/c)^2, yhiCut = 0.012 m
Q2
Entries 108430
Mean 0.006259
Std Dev 0.001374
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

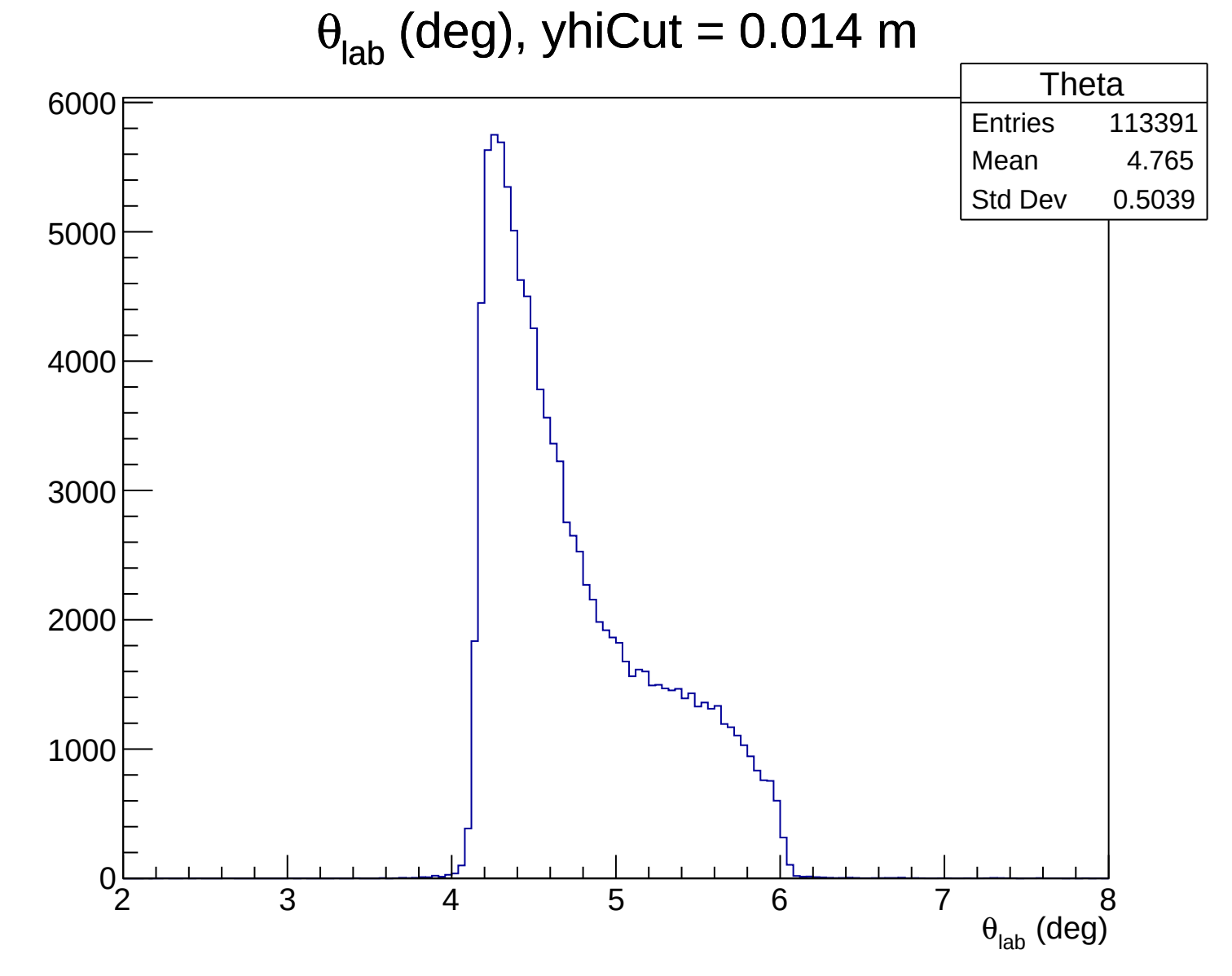

Sensitivity, yhiCut = 0.012 m
sens
Entries 108430
Mean 0.02195
Std Dev 0.004311
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

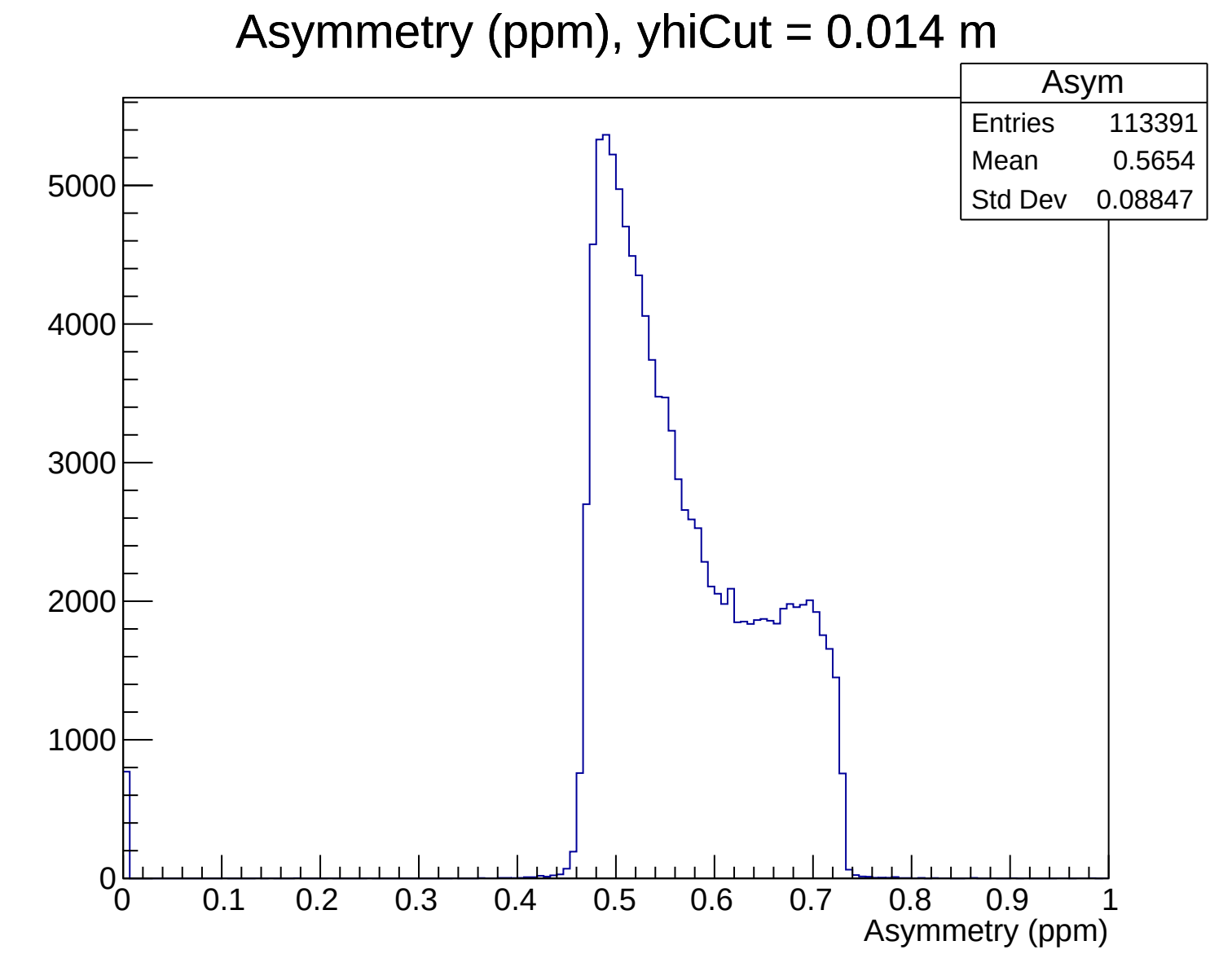

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

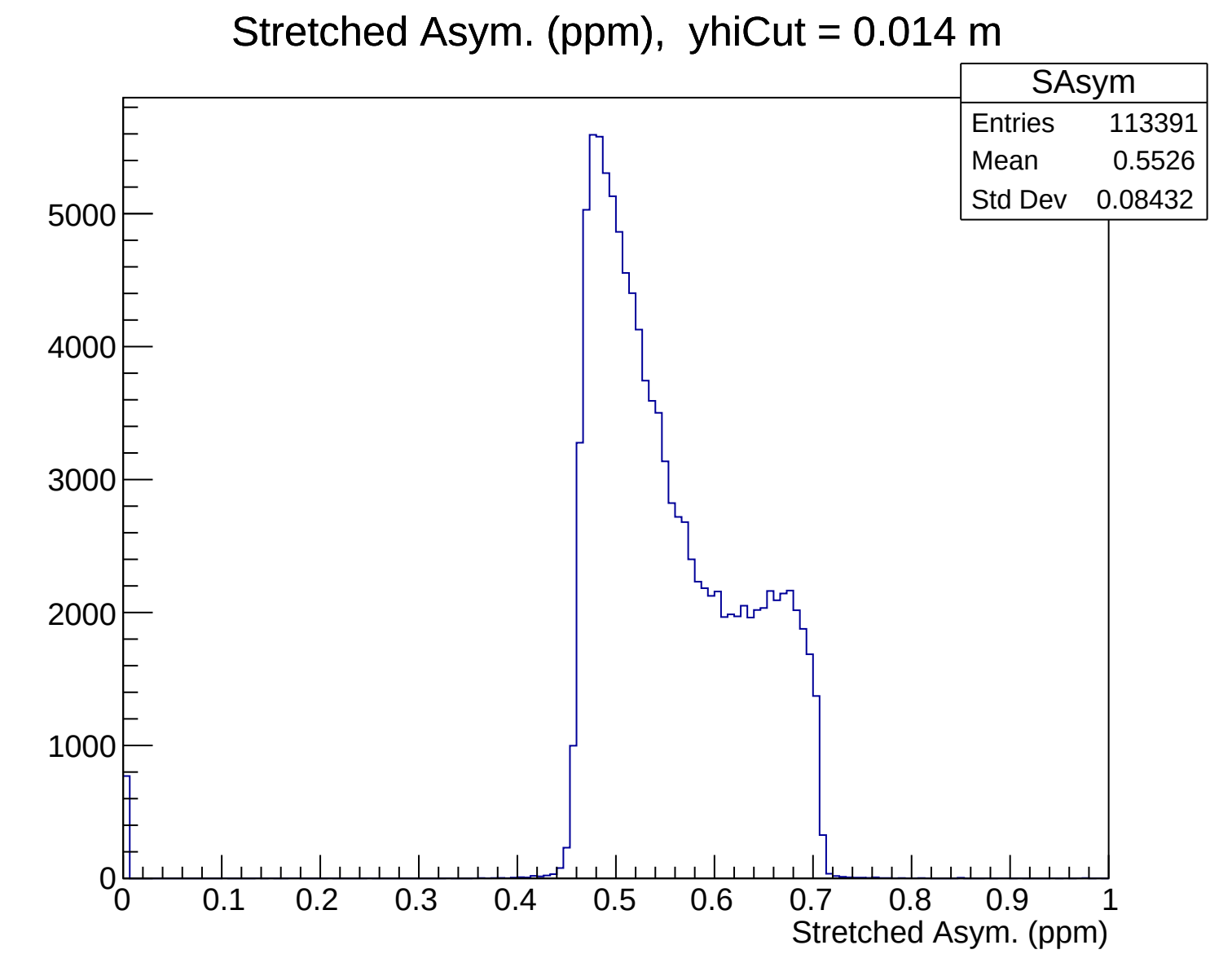

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.014
R.tr.y[0]+1.3*R.tr.ph[0] (m)

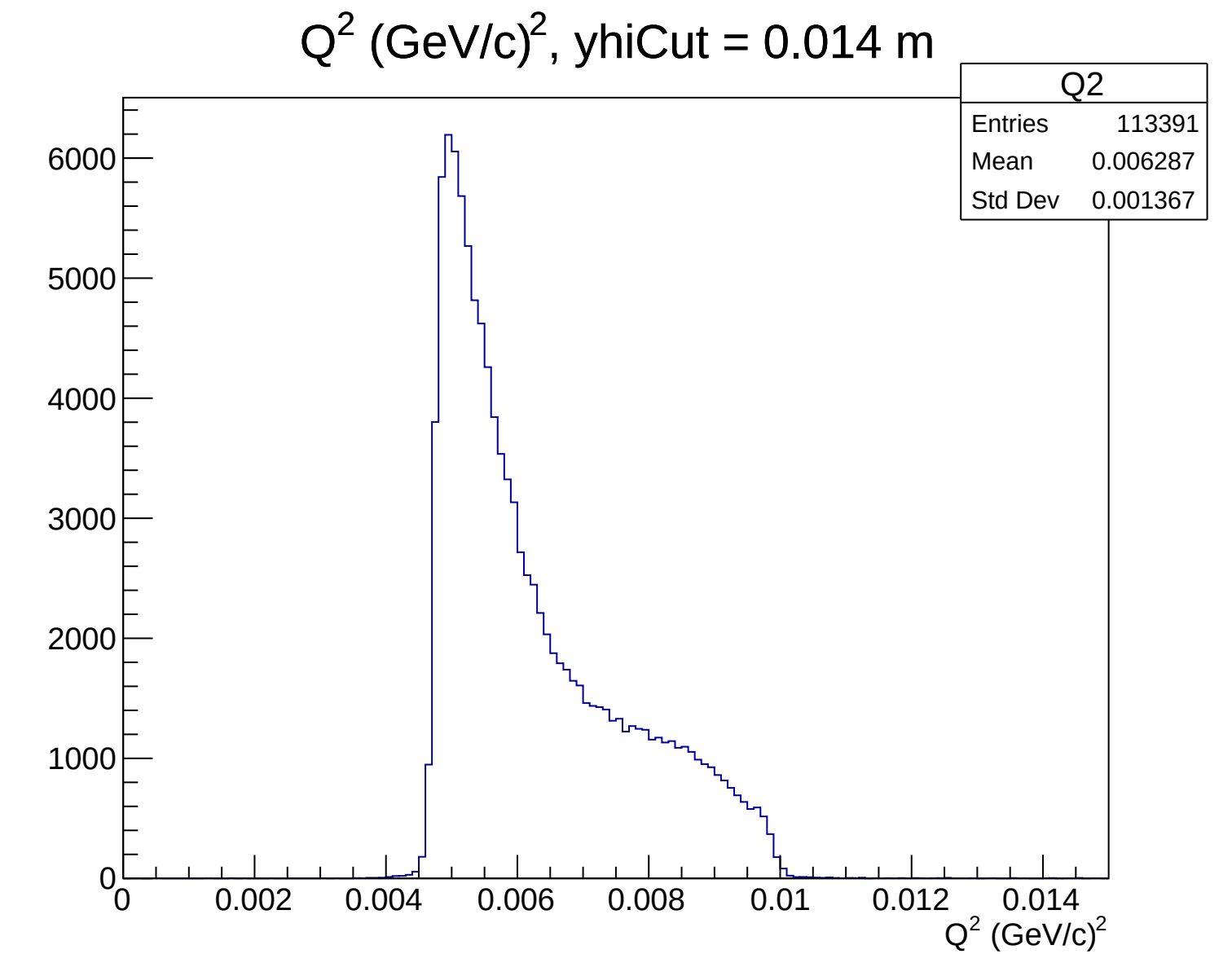

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

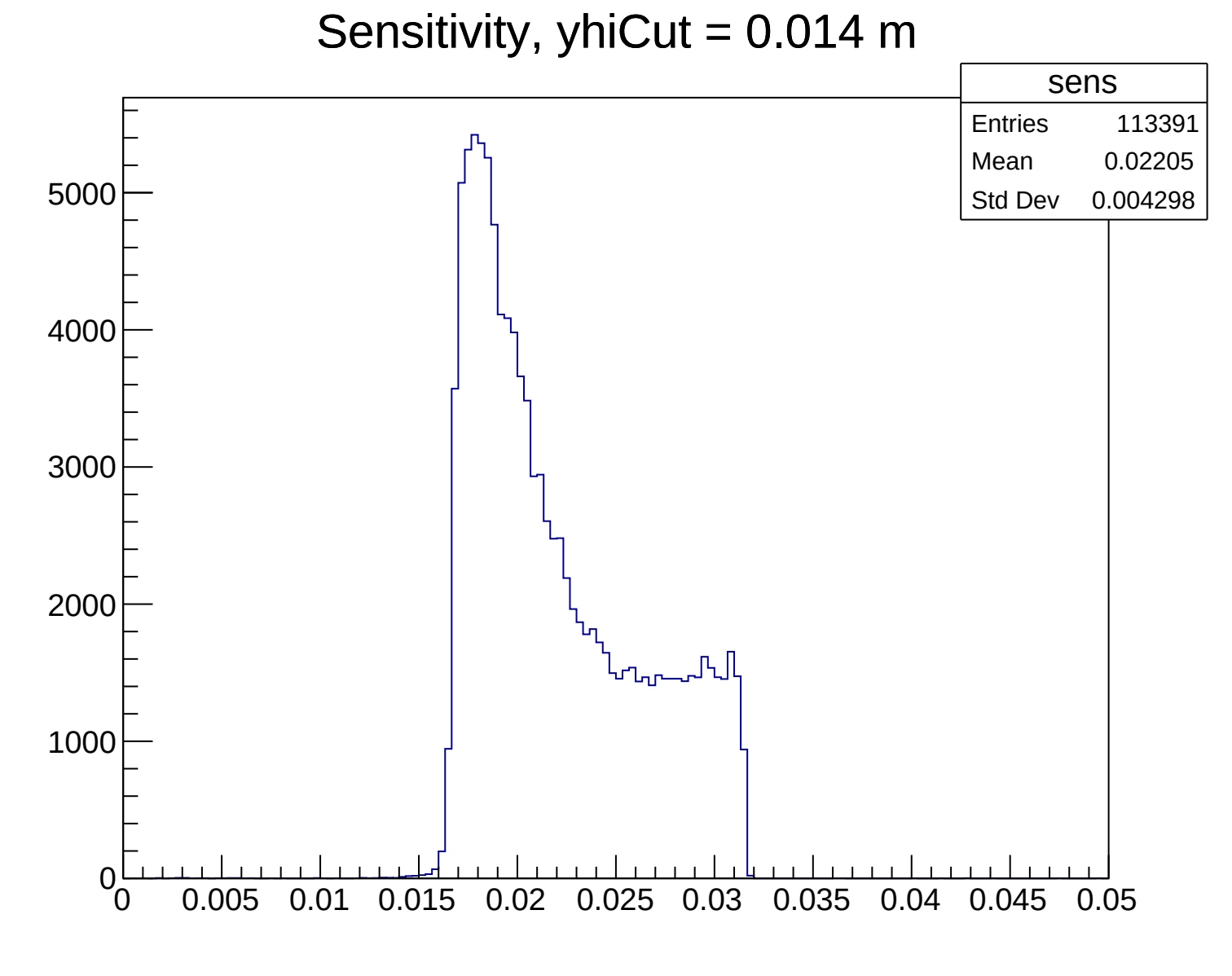

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

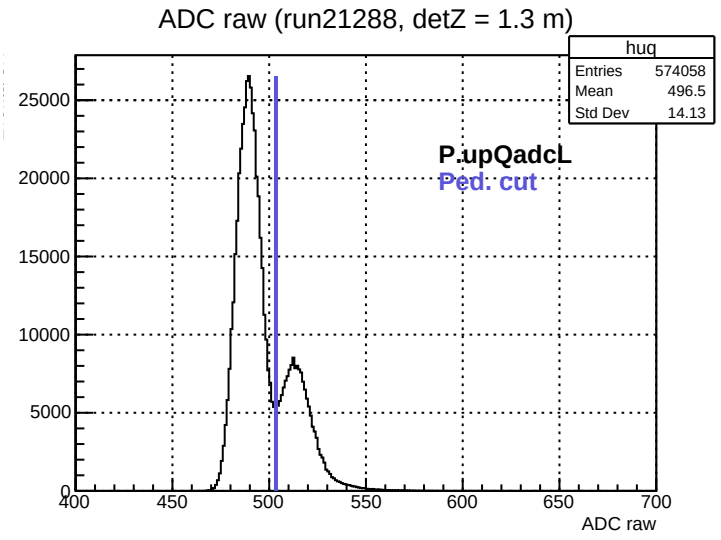

θlab (deg), yhiCut = 0.014 m
Theta
Entries 113391
Mean 4.765
Std Dev 0.5039
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

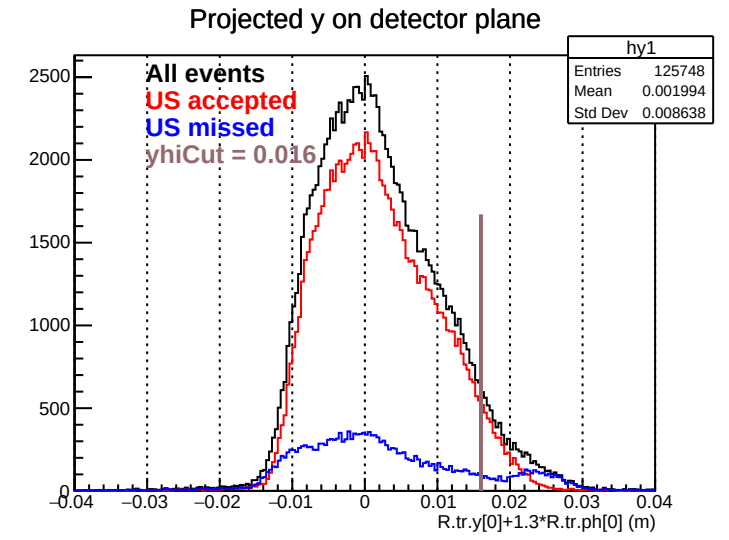

Asymmetry (ppm), yhiCut = 0.014 m
Asym
Entries 113391
Mean 0.5654
Std Dev 0.08847
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

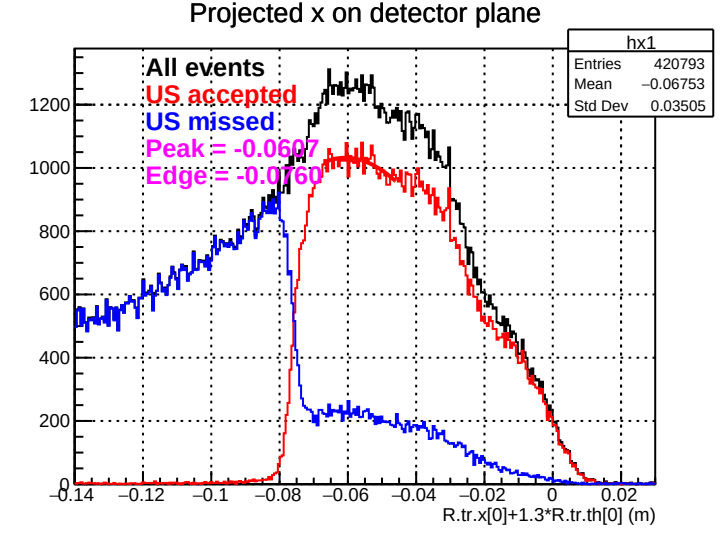

Stretched Asym. (ppm), yhiCut = 0.014 m
SAsym
Entries 113391
Mean 0.5526
Std Dev 0.08432
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

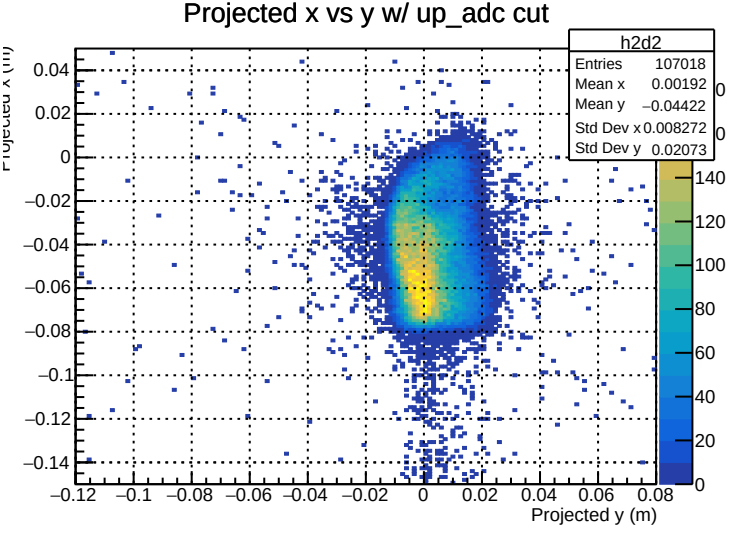

Q^2 $(GeV/c)^2$, yhiCut = 0.014 m
Q2
Entries 113391
Mean 0.006287
Std Dev 0.001367
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

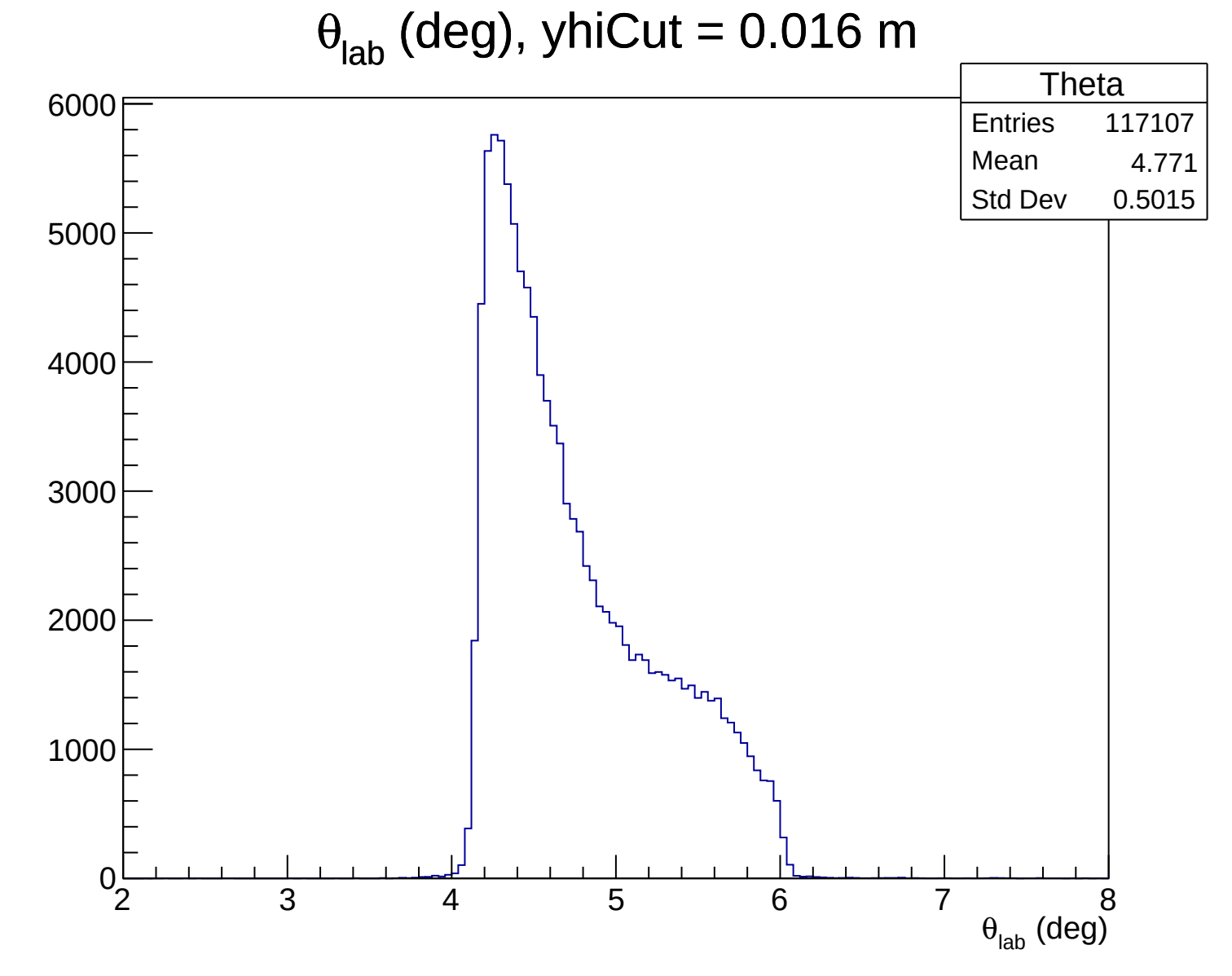

Sensitivity, yhiCut = 0.014 m
sens
Entries 113391
Mean 0.02205
Std Dev 0.004298
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

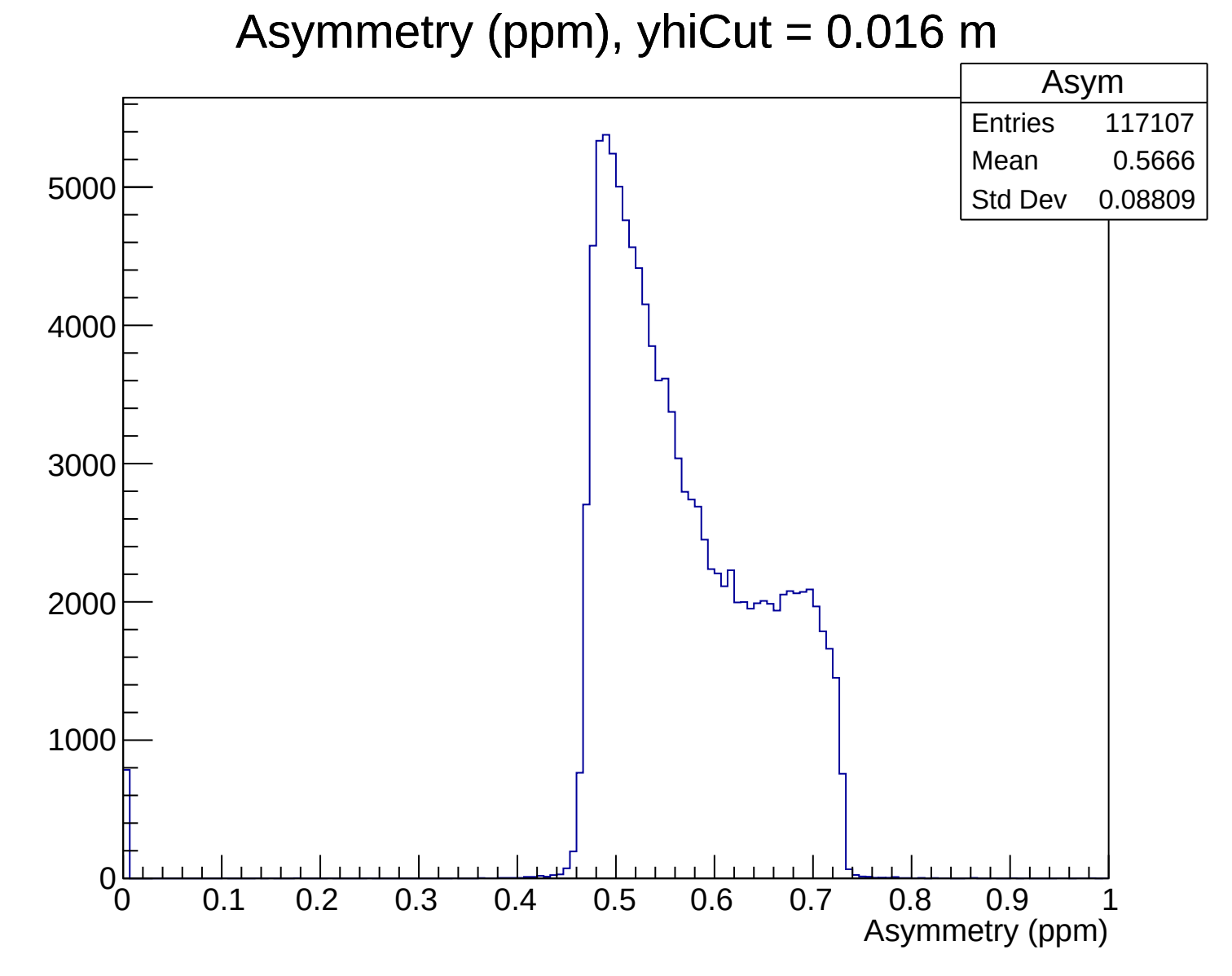

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

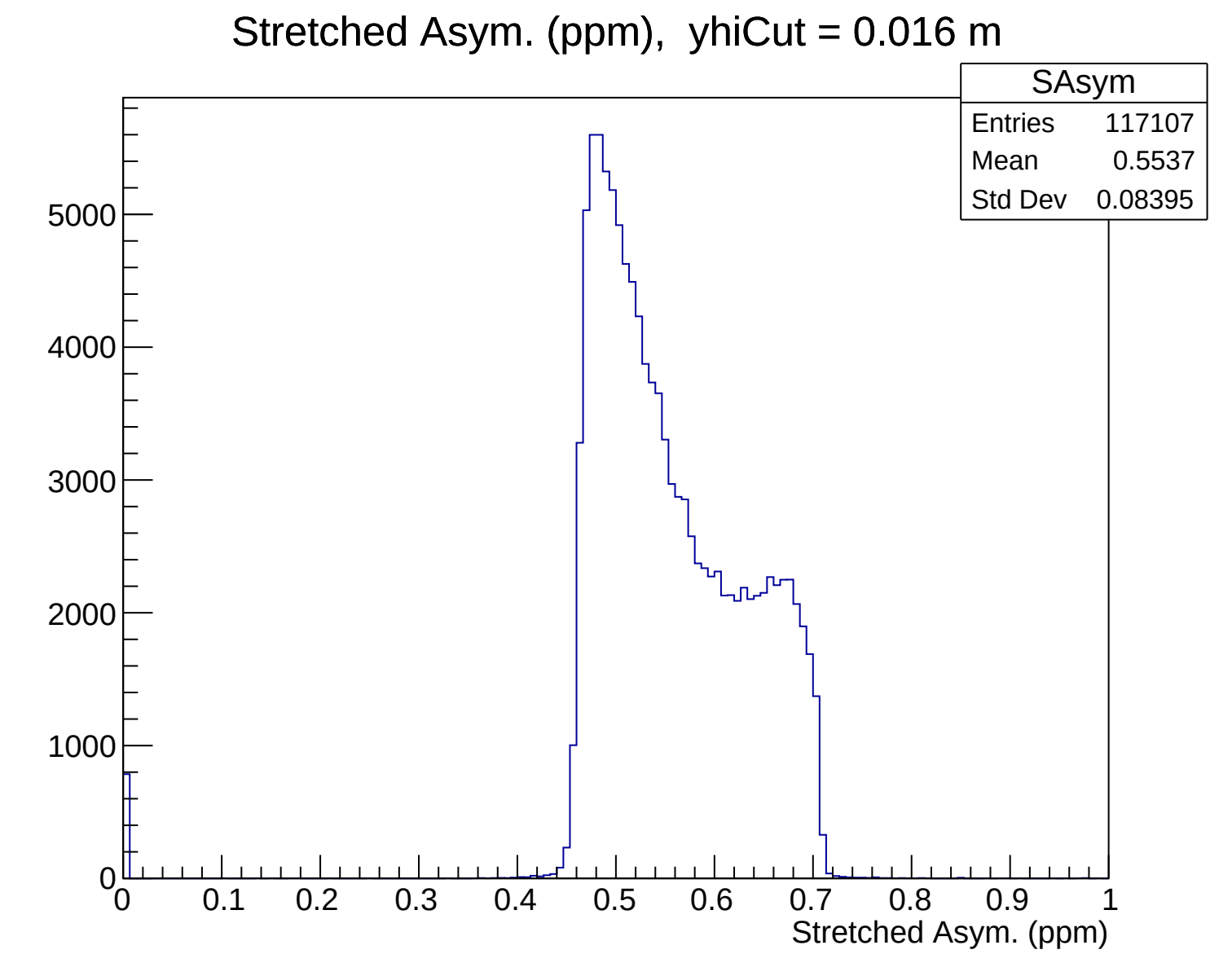

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.016
R.tr.y[0]+1.3*R.tr.ph[0] (m)

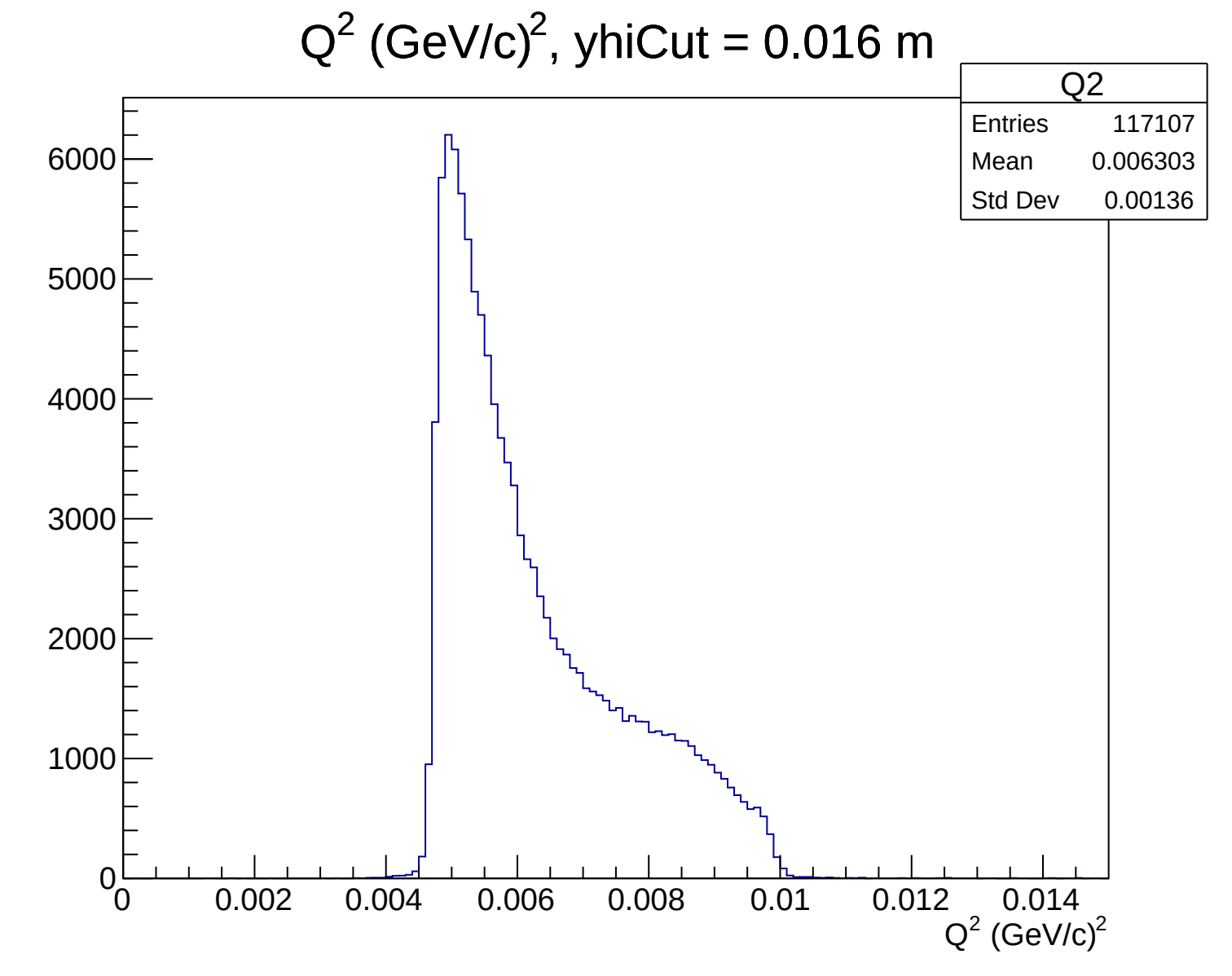

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

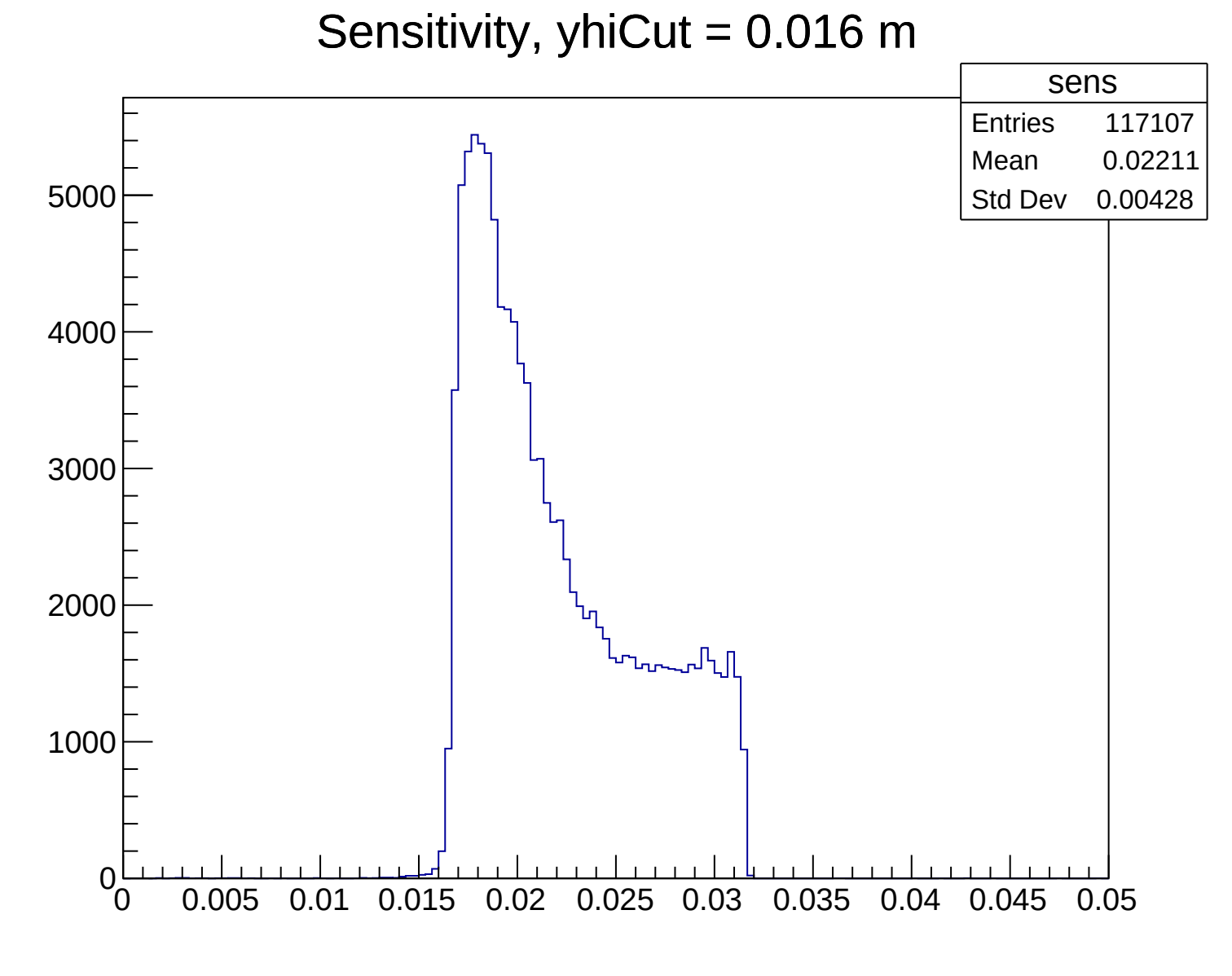

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

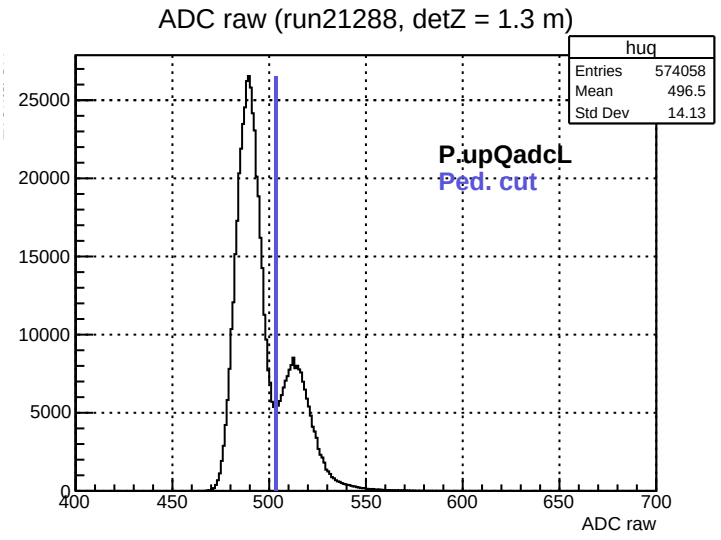

θlab (deg), yhiCut = 0.016 m
Theta
Entries 117107
Mean 4.771
Std Dev 0.5015
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

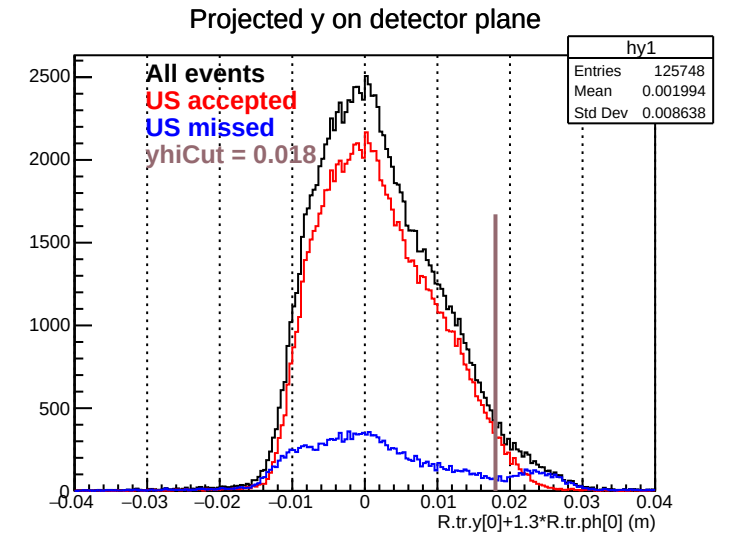

Asymmetry (ppm), yhiCut = 0.016 m
Asym
Entries 117107
Mean 0.5666
Std Dev 0.08809
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

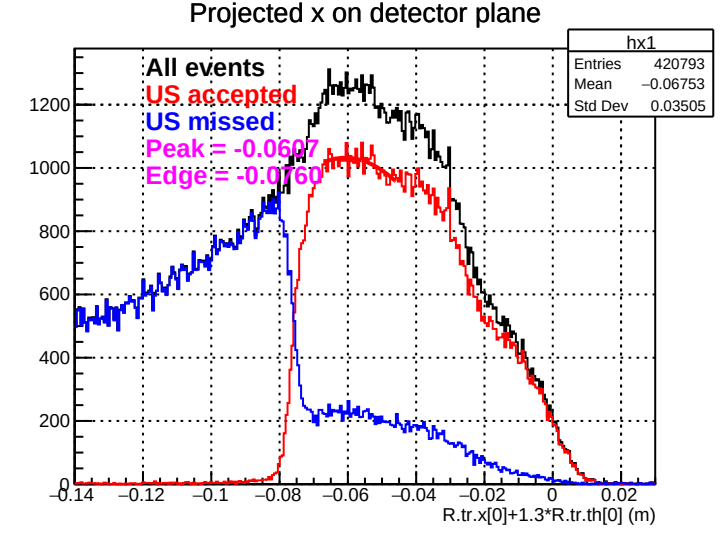

Stretched Asym. (ppm), yhiCut = 0.016 m
SAsym
Entries 117107
Mean 0.5537
Std Dev 0.08395
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

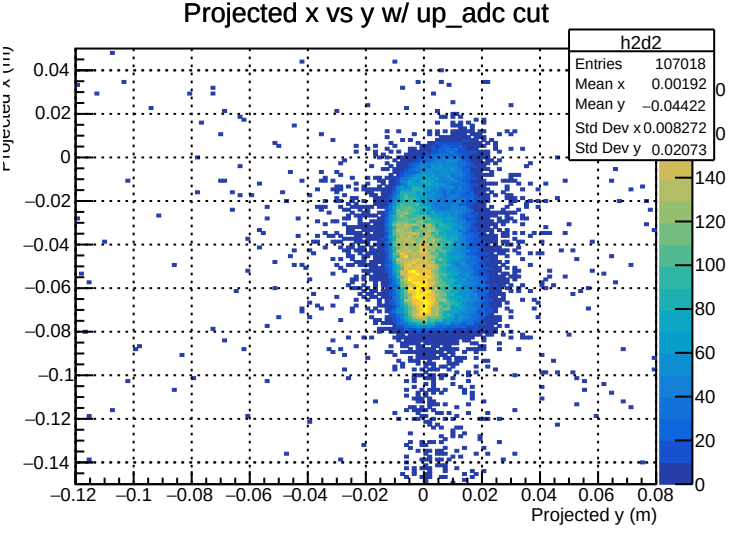

Q^2 (GeV/c)^2, yhiCut = 0.016 m
Q2
Entries 117107
Mean 0.006303
Std Dev 0.00136
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

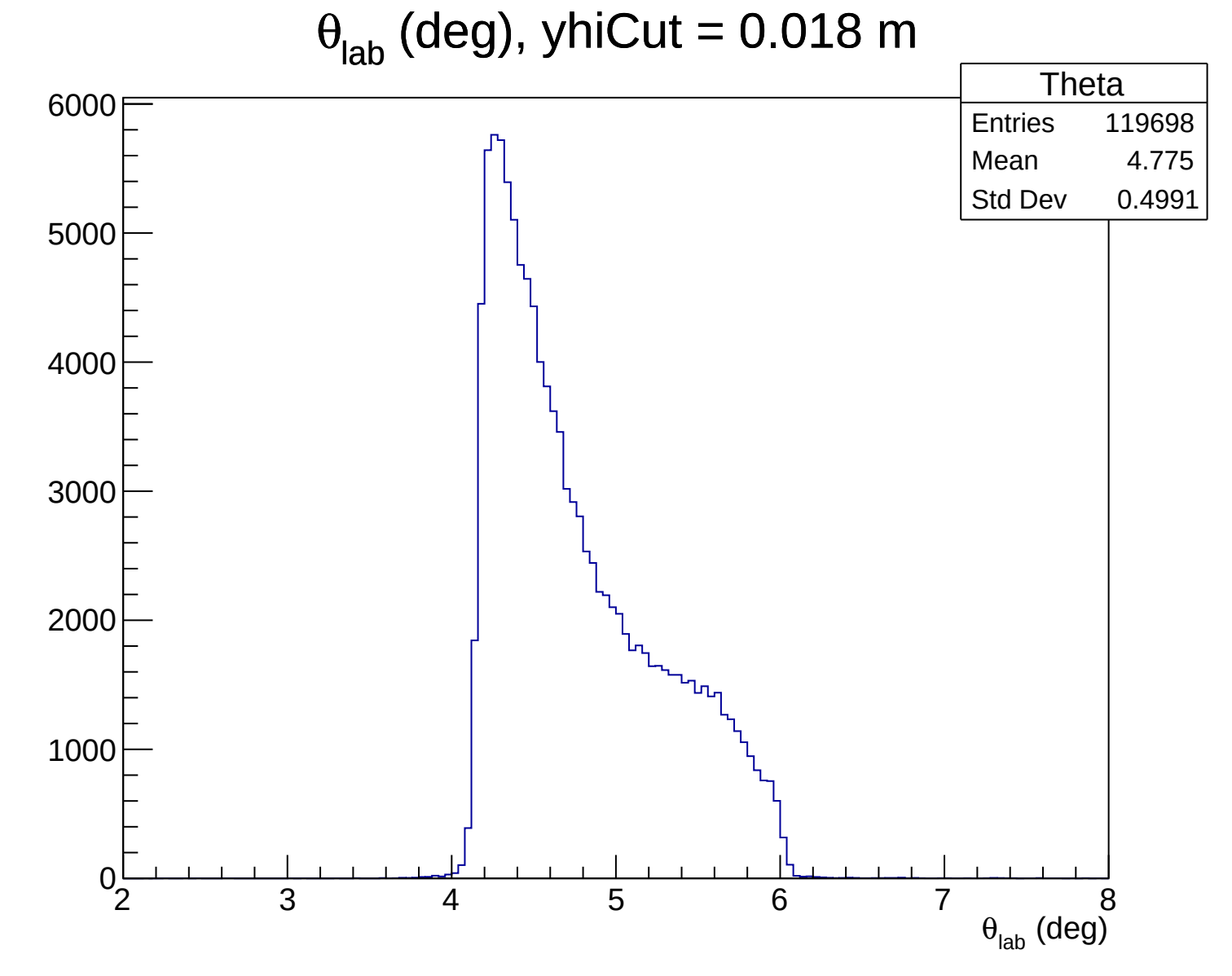

Sensitivity, yhiCut = 0.016 m
sens
Entries 117107
Mean 0.02211
Std Dev 0.00428
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

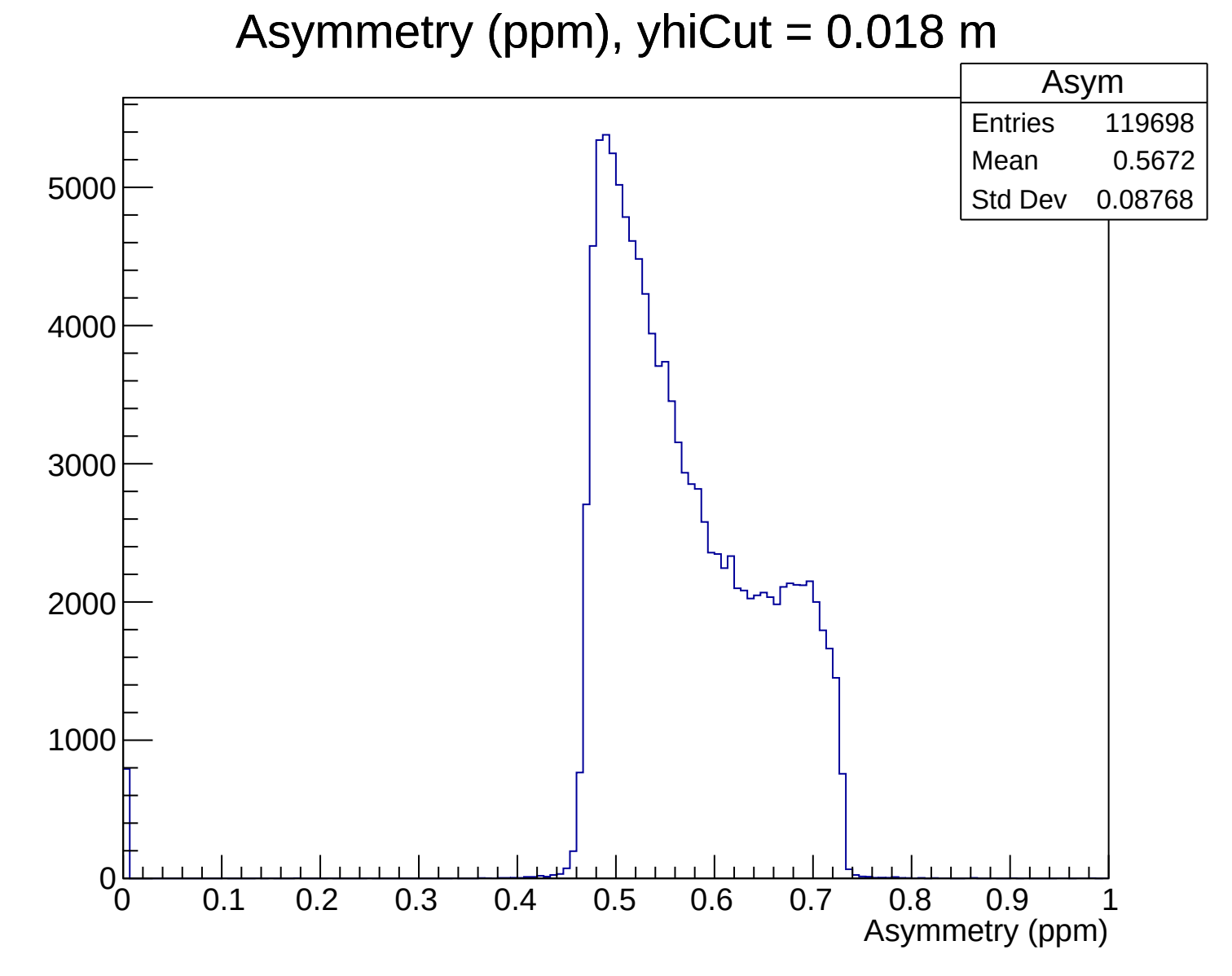

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

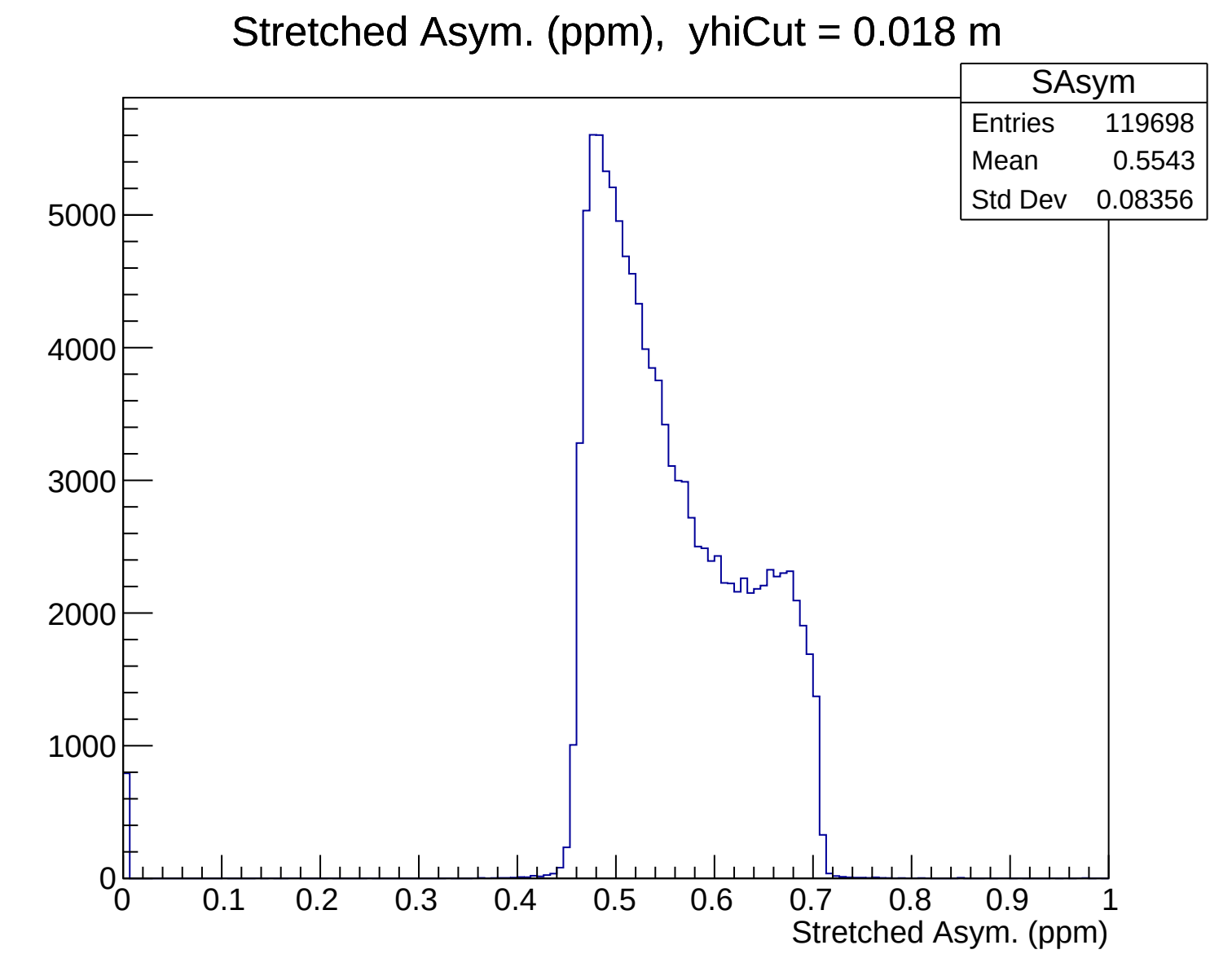

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.018
R.tr.y[0]+1.3*R.tr.ph[0] (m)

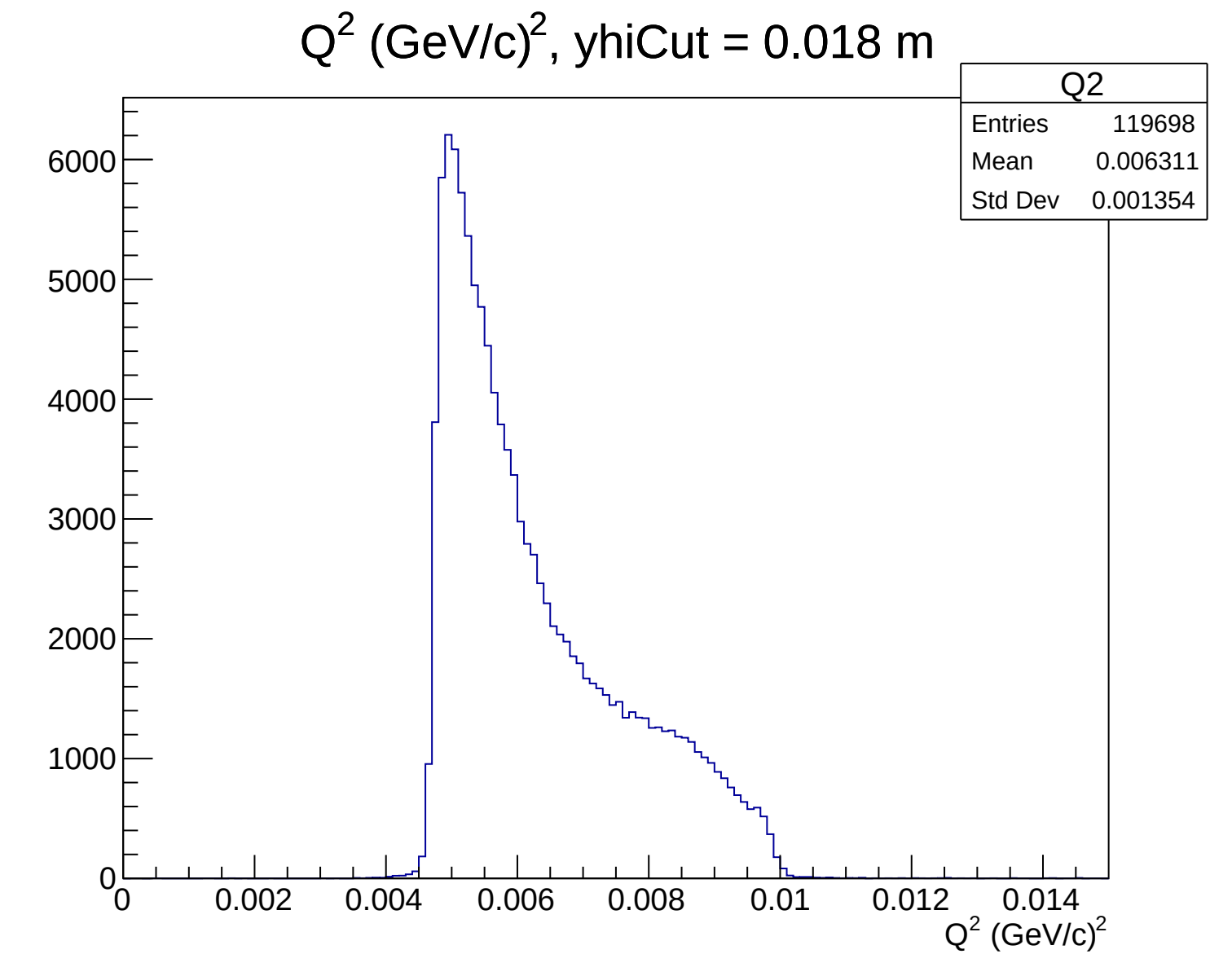

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

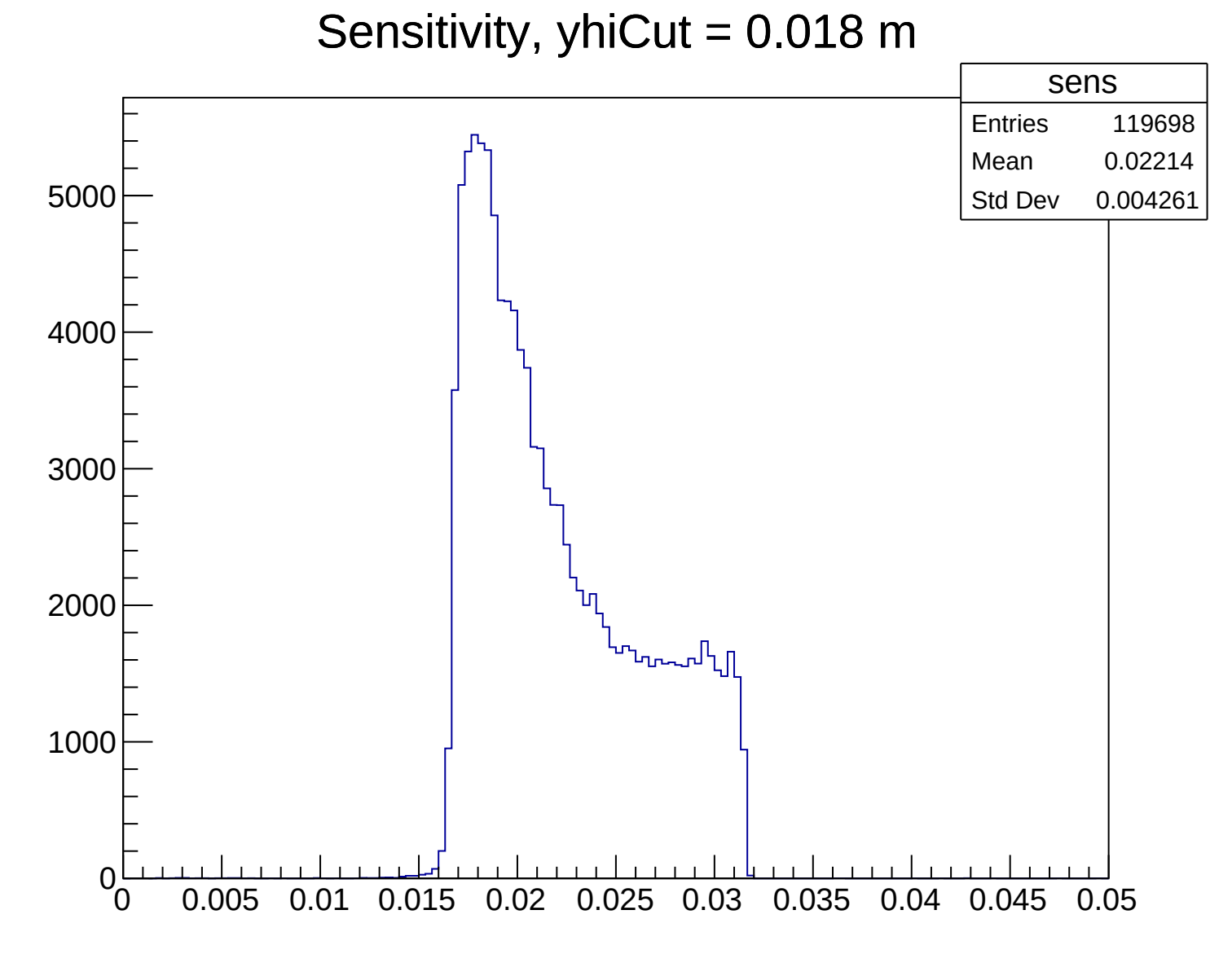

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

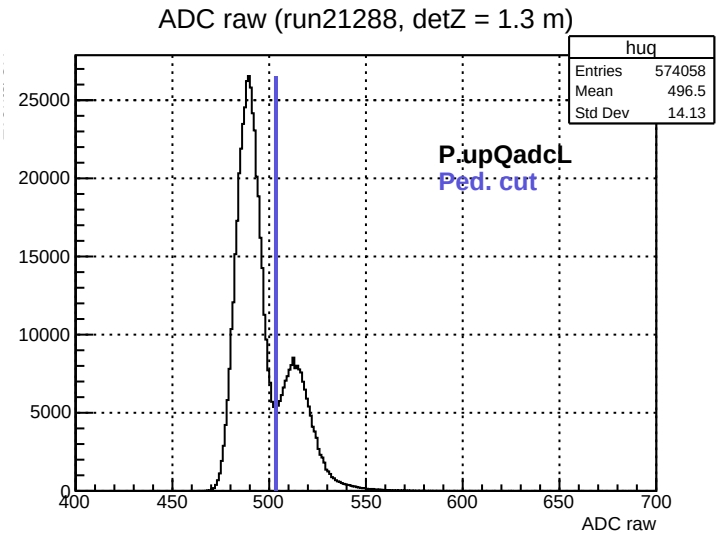

θlab (deg), yhiCut = 0.018 m
Theta
Entries 119698
Mean 4.775
Std Dev 0.4991
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

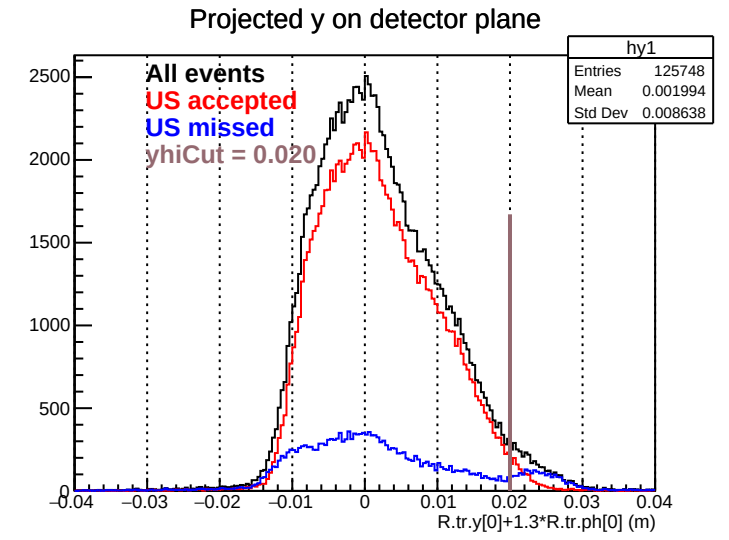

Asymmetry (ppm), yhiCut = 0.018 m
Asym
Entries 119698
Mean 0.5672
Std Dev 0.08768
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

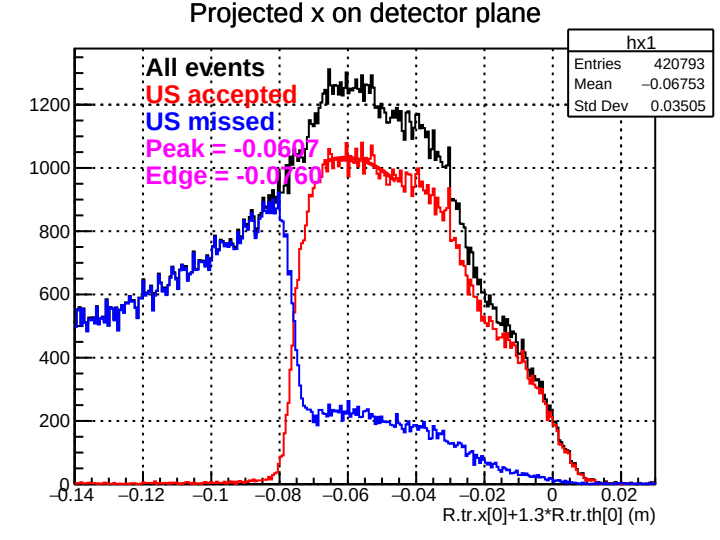

Stretched Asym. (ppm), yhiCut = 0.018 m
SAsym
Entries 119698
Mean 0.5543
Std Dev 0.08356
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

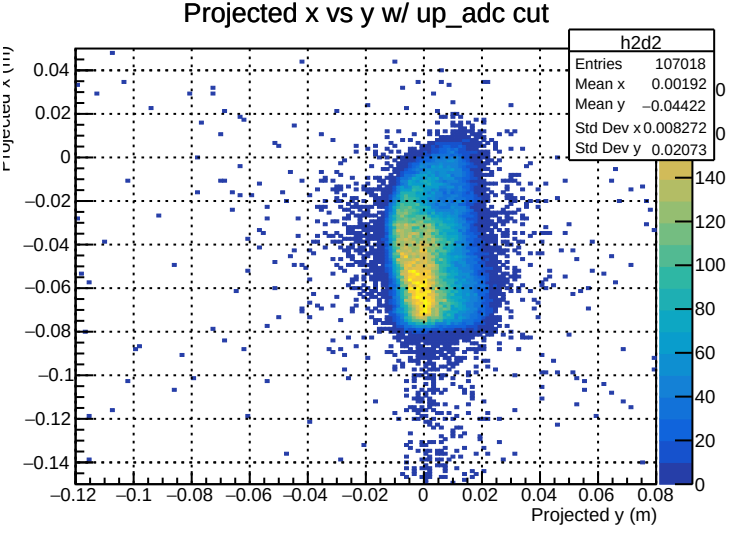

Q^2 $(GeV/c)^2$, yhiCut = 0.018 m
Q2
Entries 119698
Mean 0.006311
Std Dev 0.001354
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

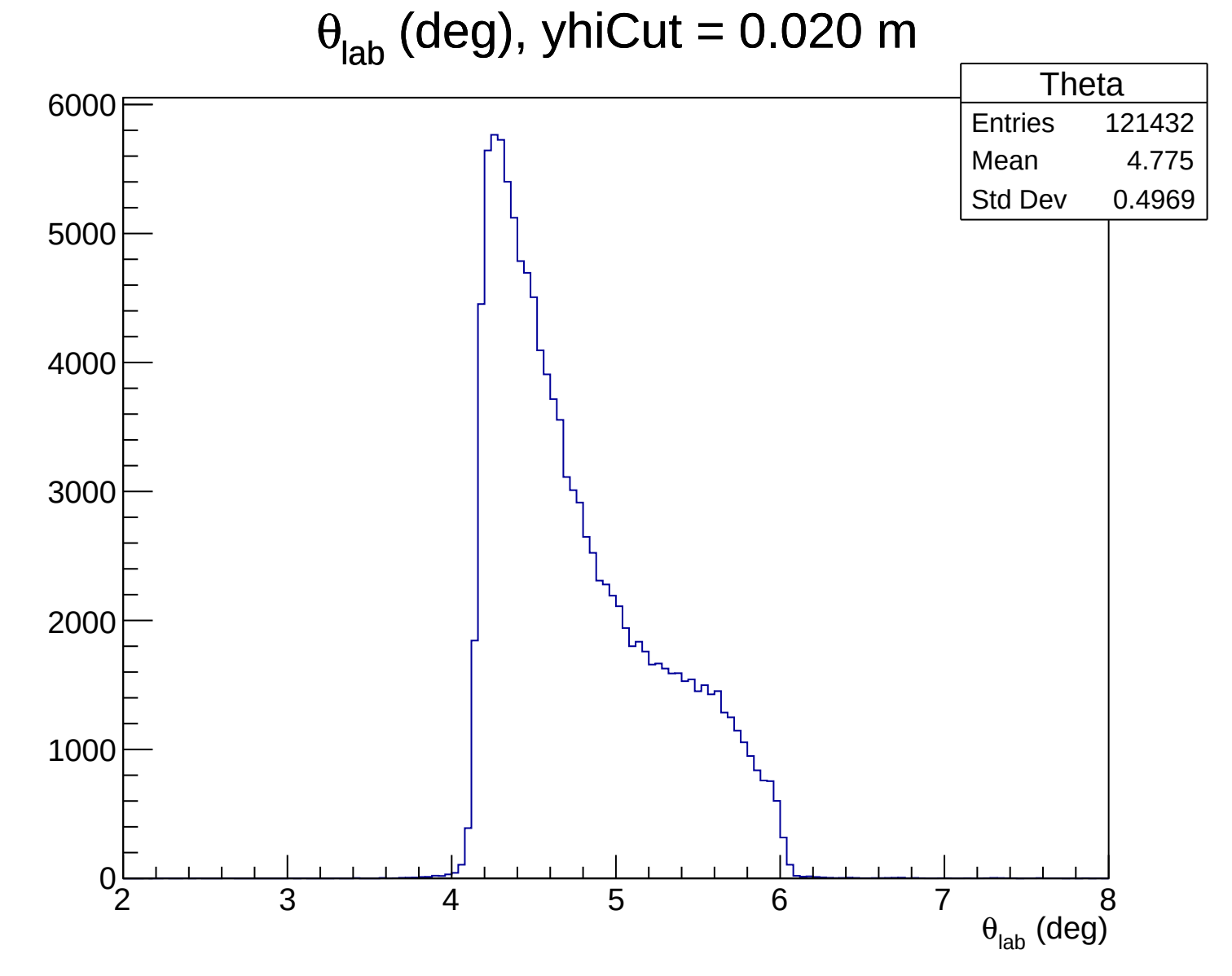

Sensitivity, yhiCut = 0.018 m
sens
Entries 119698
Mean 0.02214
Std Dev 0.004261
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

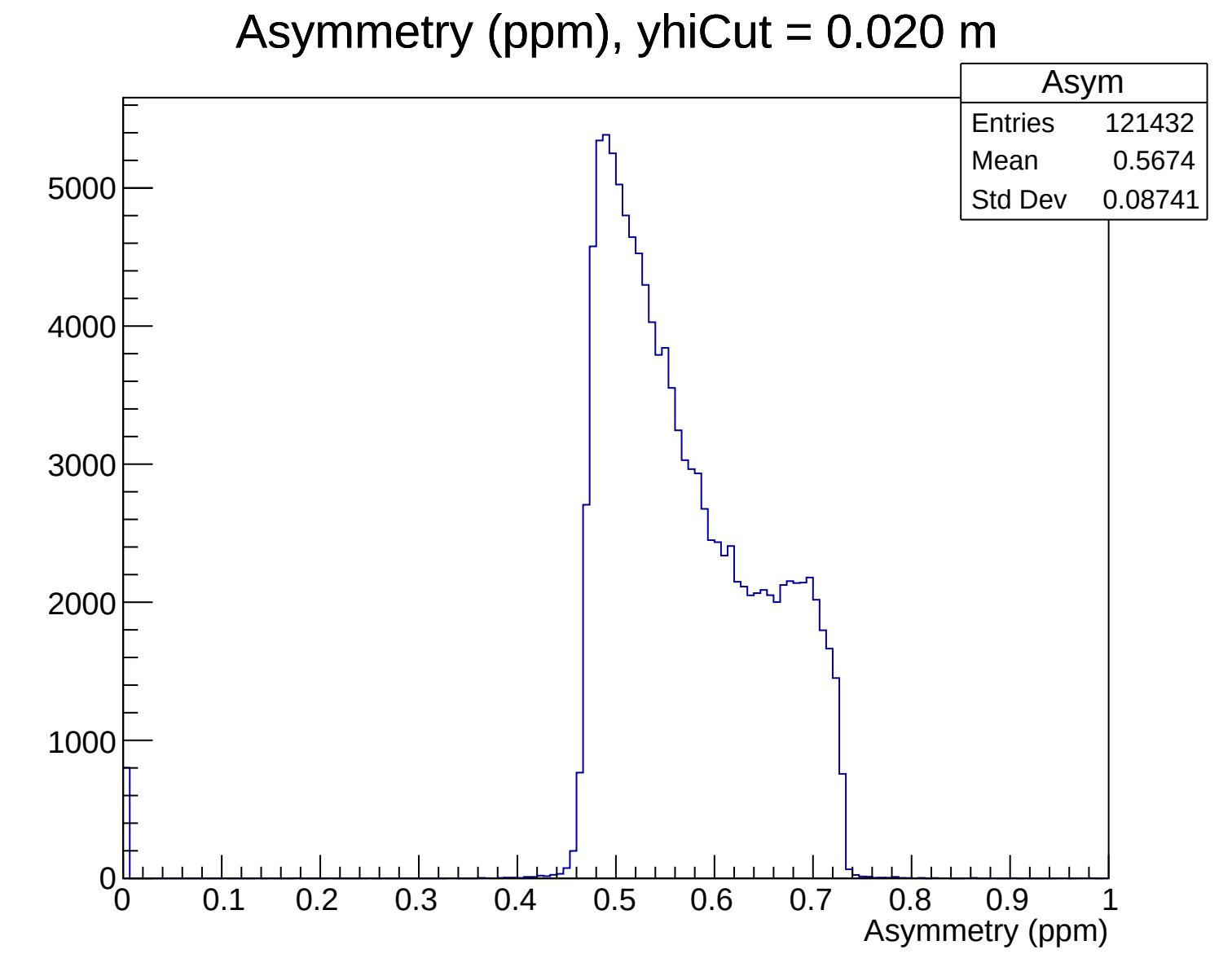

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

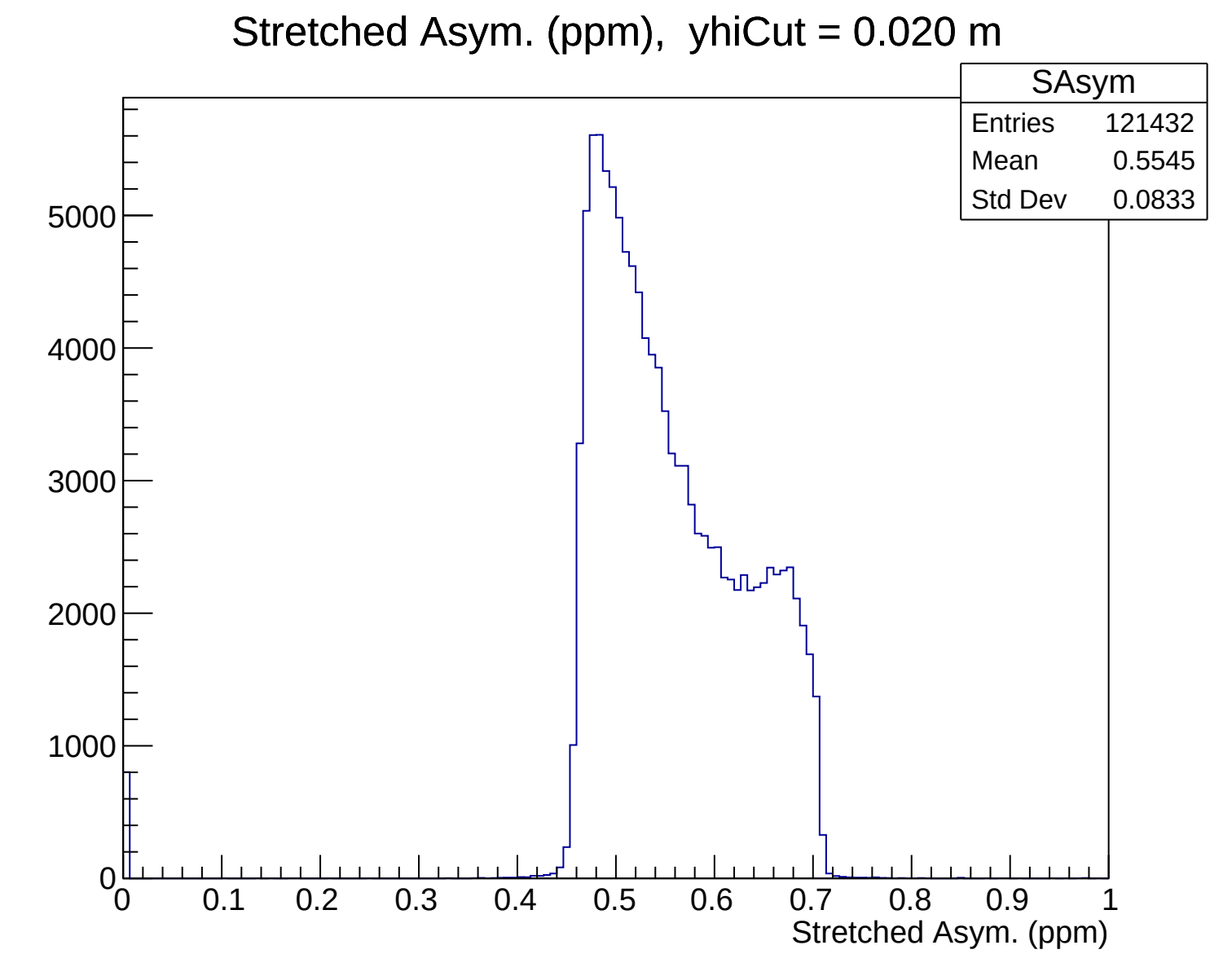

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.020
R.tr.y[0]+1.3*R.tr.ph[0] (m)

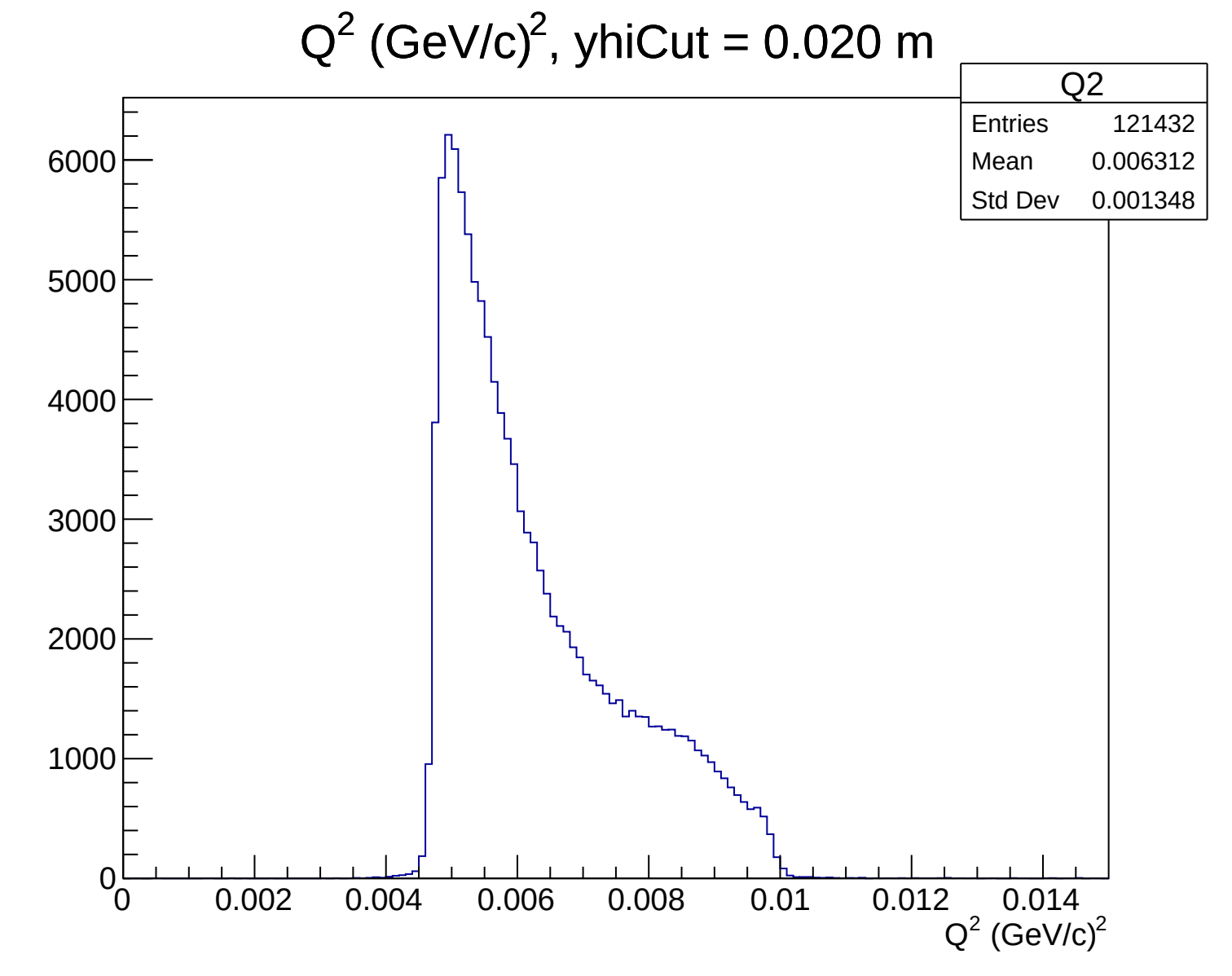

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

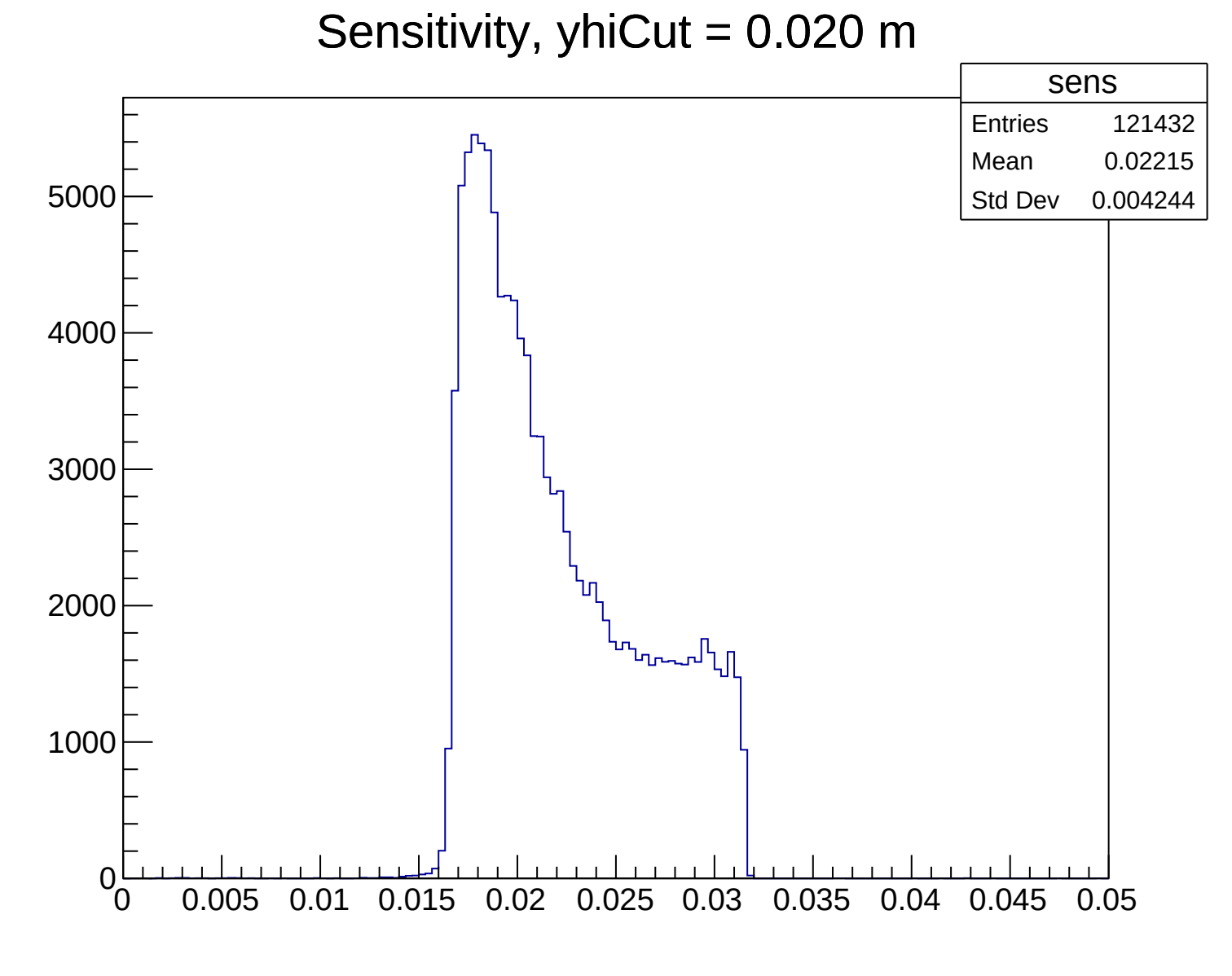

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

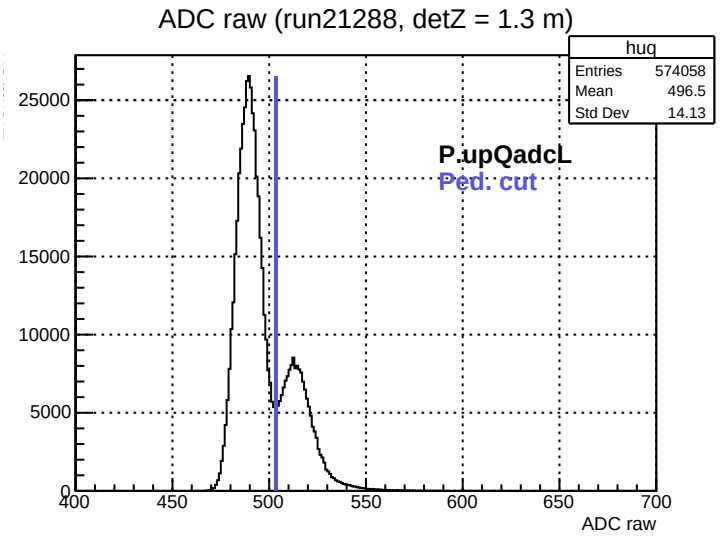

θlab (deg), yhiCut = 0.020 m
Theta
Entries 121432
Mean 4.775
Std Dev 0.4969
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

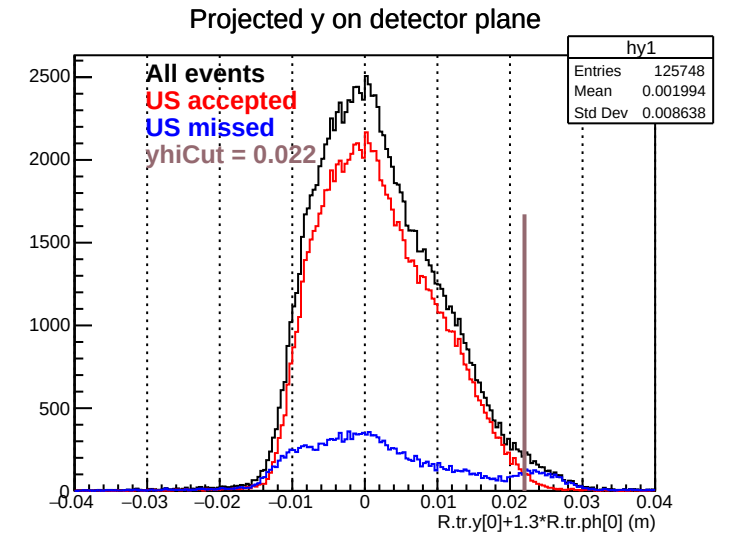

Asymmetry (ppm), yhiCut = 0.020 m
Asym
Entries 121432
Mean 0.5674
Std Dev 0.08741
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

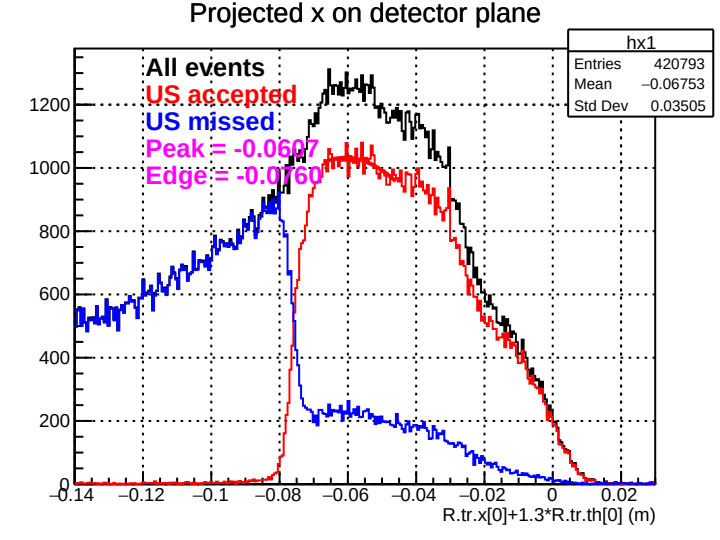

Stretched Asym. (ppm), yhiCut = 0.020 m
SAsym
Entries 121432
Mean 0.5545
Std Dev 0.0833
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

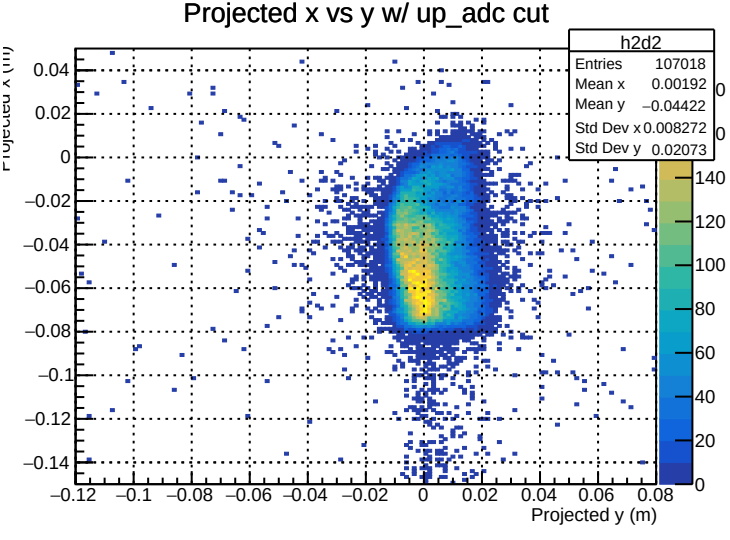

Q^2 (GeV/c)^2, yhiCut = 0.020 m
Q2
Entries 121432
Mean 0.006312
Std Dev 0.001348
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

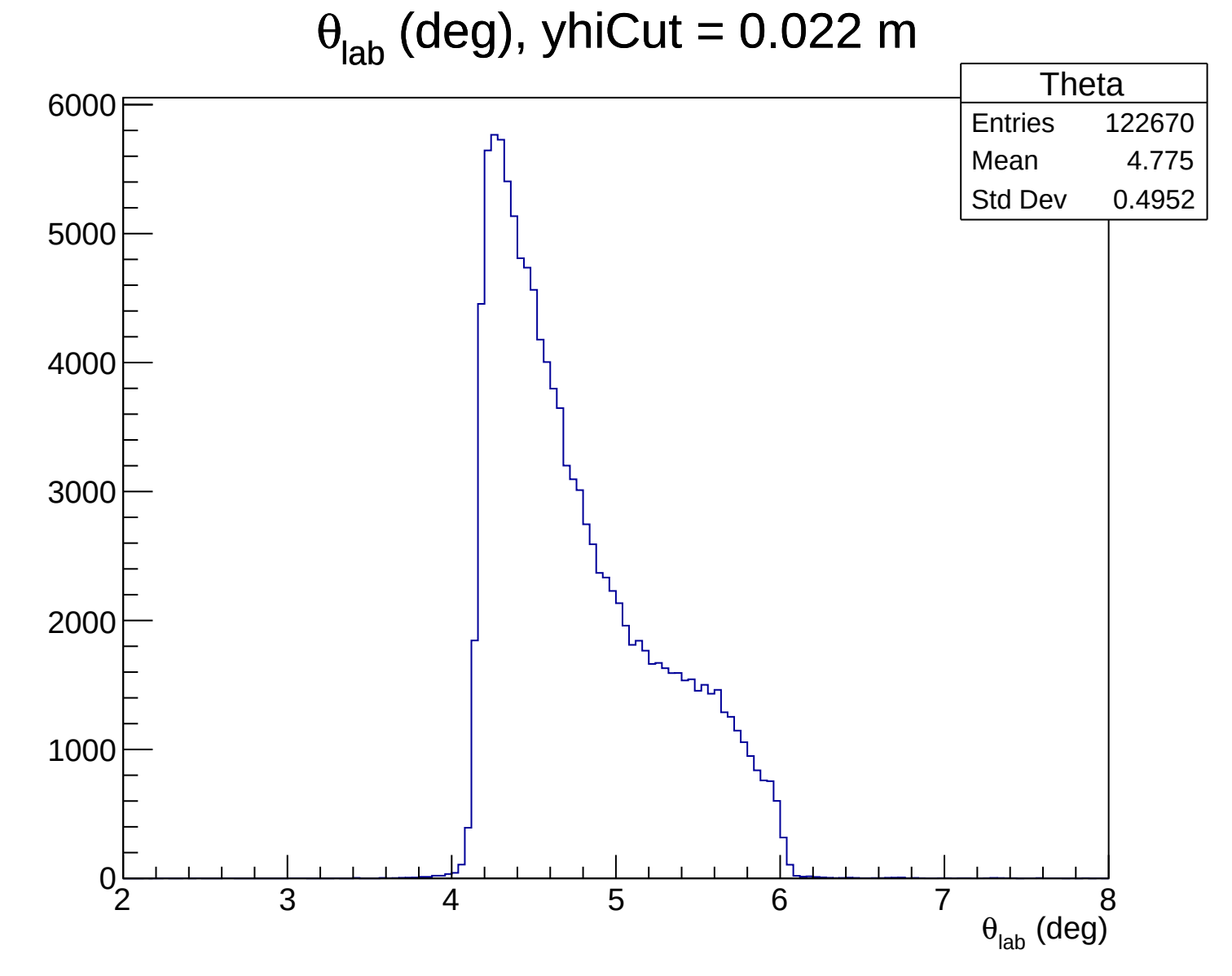

Sensitivity, yhiCut = 0.020 m
sens
Entries 121432
Mean 0.02215
Std Dev 0.004244
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

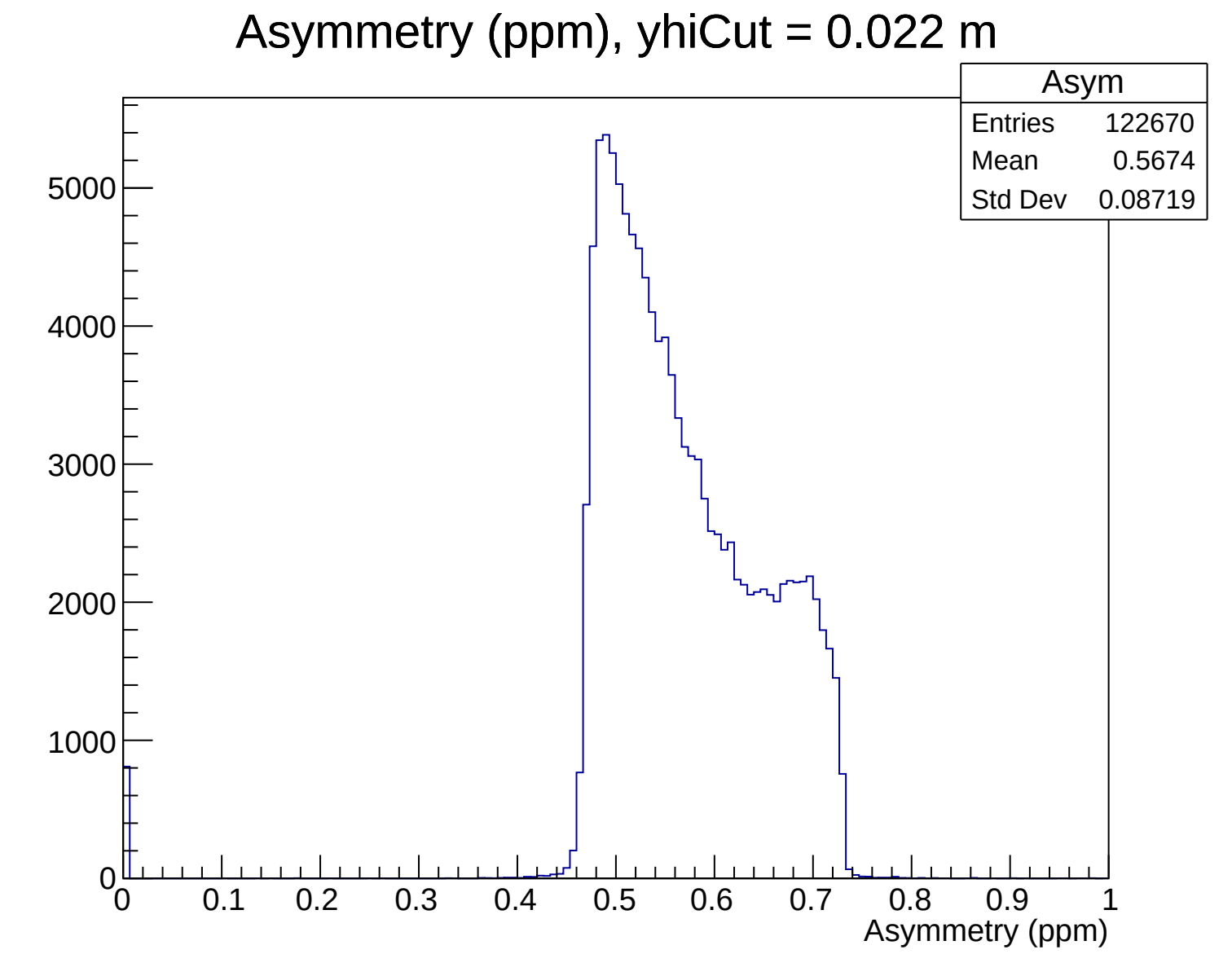

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

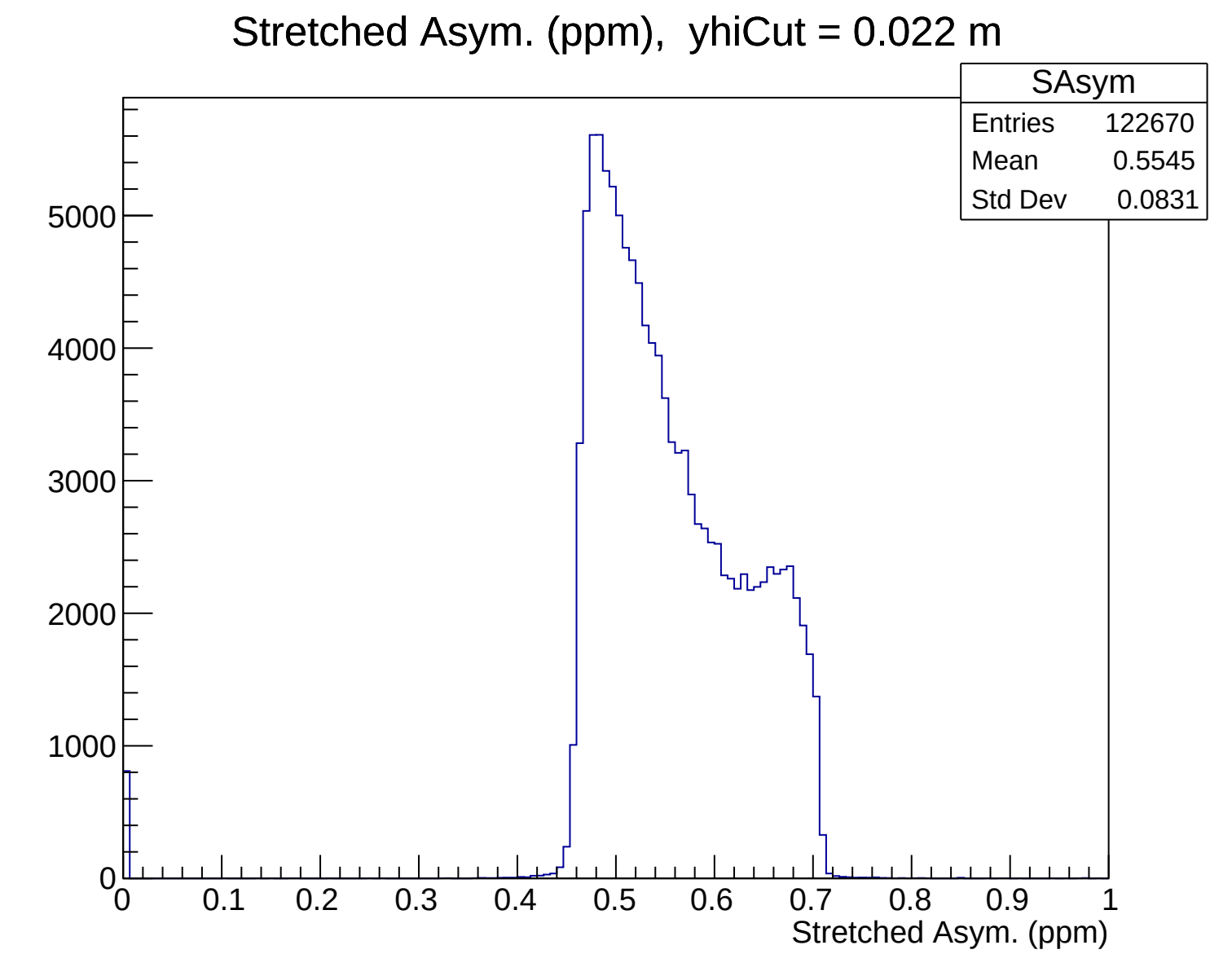

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.022
R.tr.y[0]+1.3*R.tr.ph[0] (m)

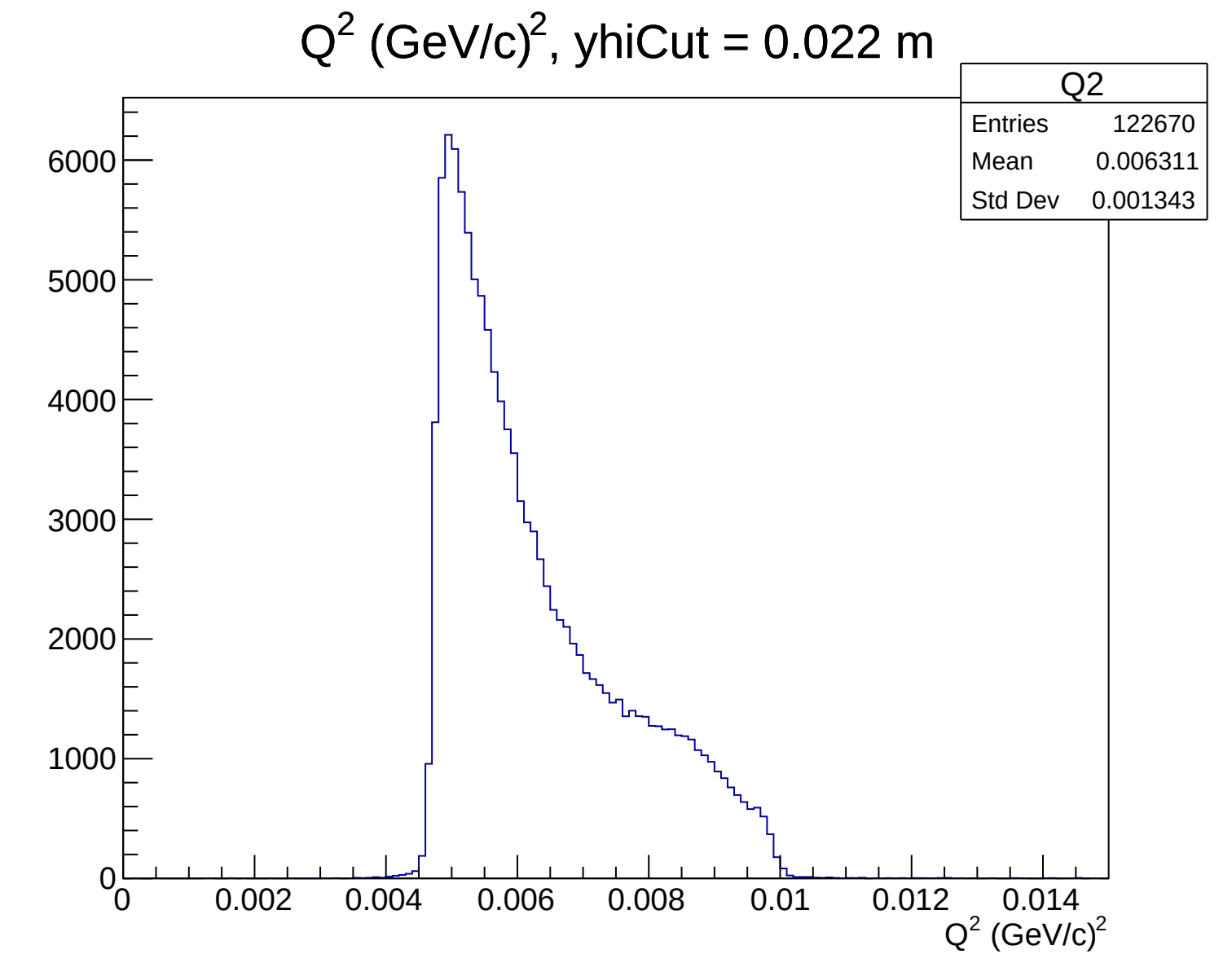

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

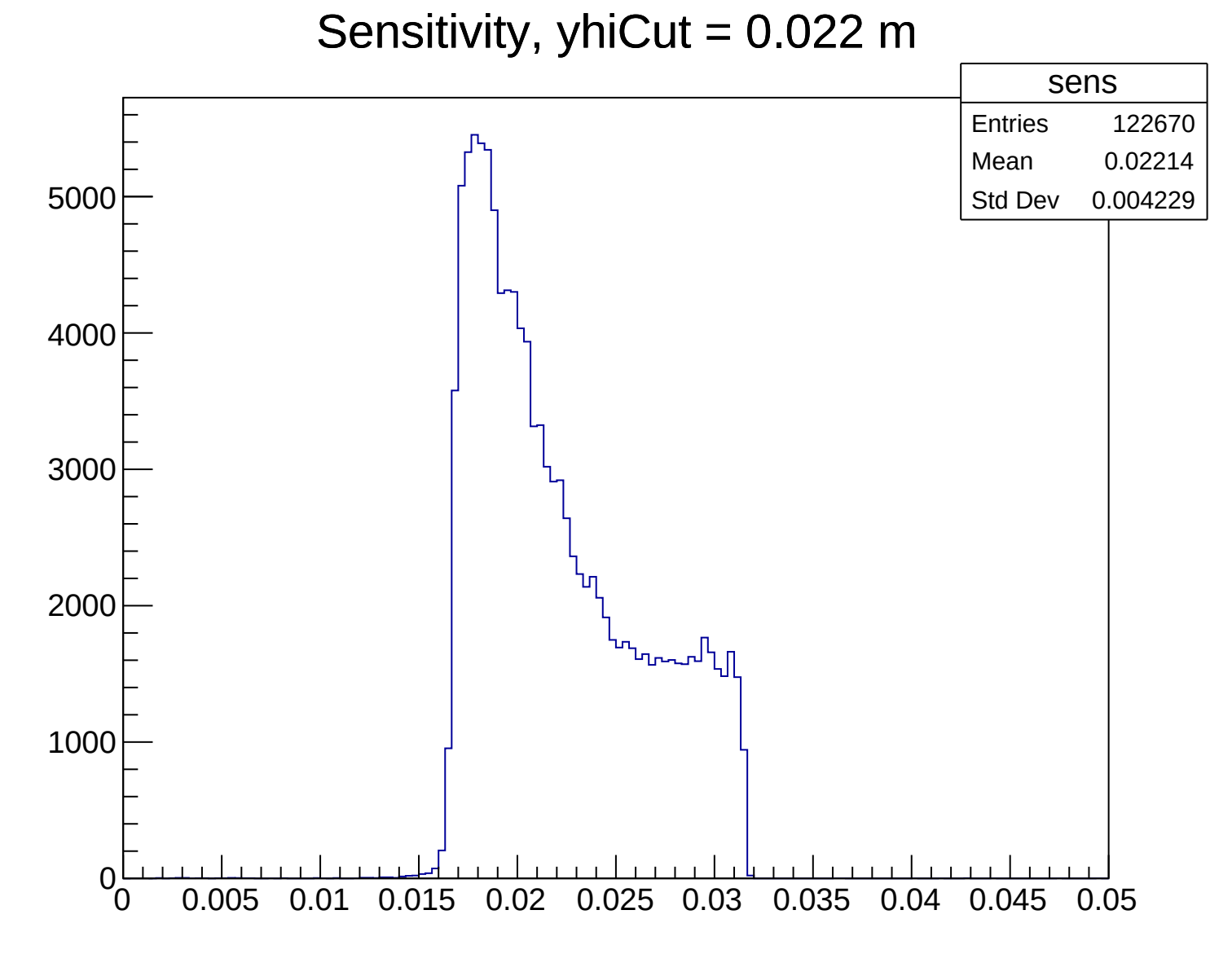

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected x (m)
Projected y (m)

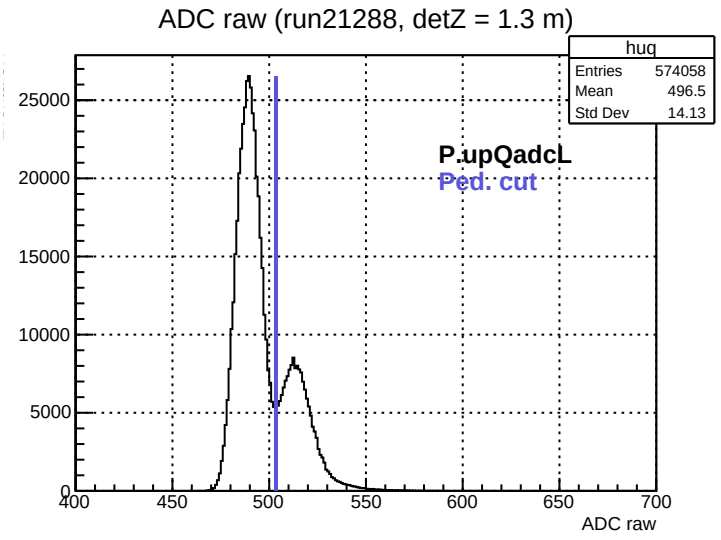

θlab (deg), yhiCut = 0.022 m
Theta
Entries 122670
Mean 4.775
Std Dev 0.4952
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

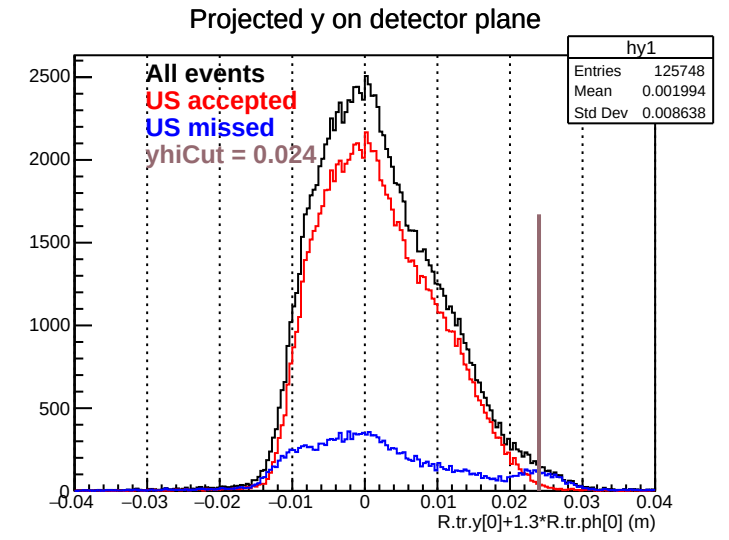

Asymmetry (ppm), yhiCut = 0.022 m
Asym
Entries 122670
Mean 0.5674
Std Dev 0.08719
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

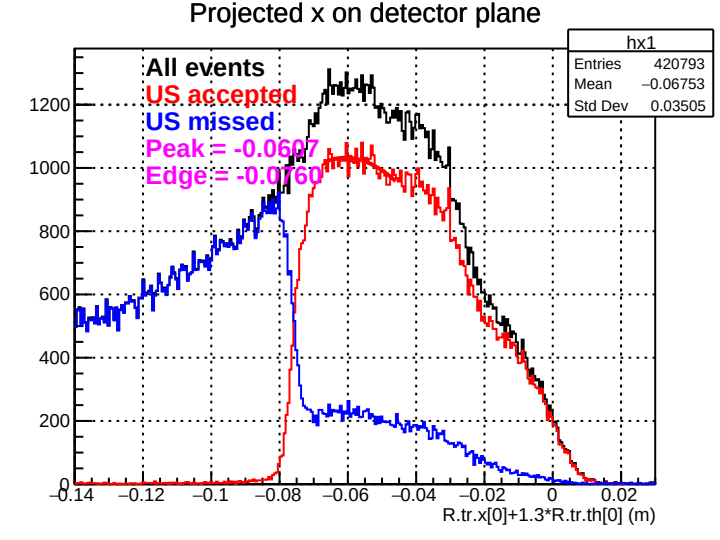

Stretched Asym. (ppm), yhiCut = 0.022 m
SAsym
Entries 122670
Mean 0.5545
Std Dev 0.0831
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

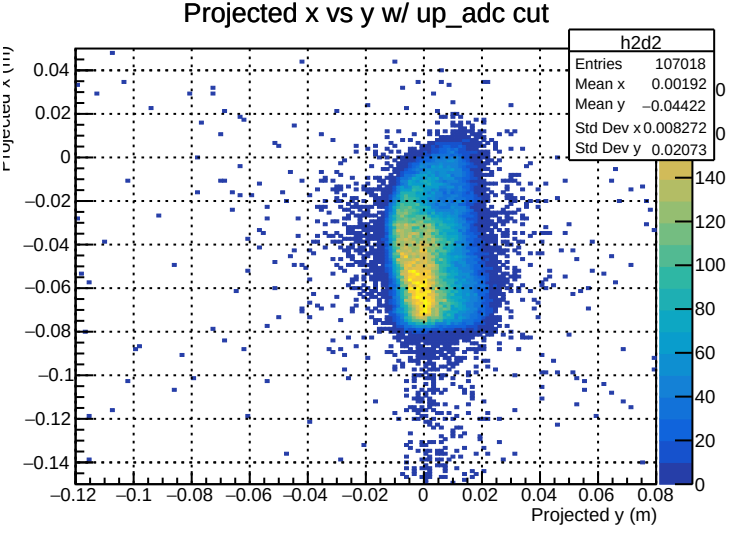

Q^2 $(GeV/c)^2$, yhiCut = 0.022 m
Q2
Entries 122670
Mean 0.006311
Std Dev 0.001343
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

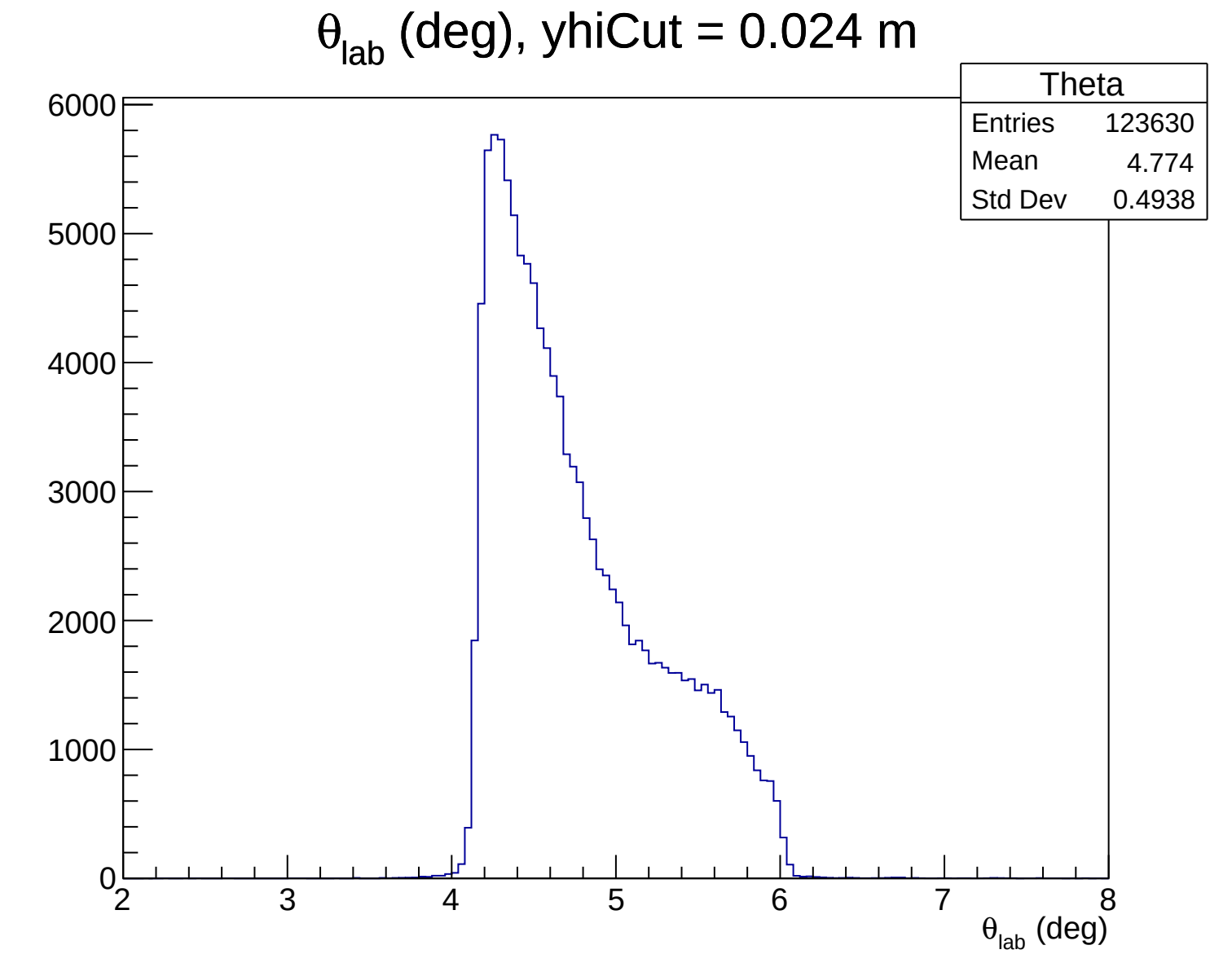

Sensitivity, yhiCut = 0.022 m
sens
Entries 122670
Mean 0.02214
Std Dev 0.004229
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

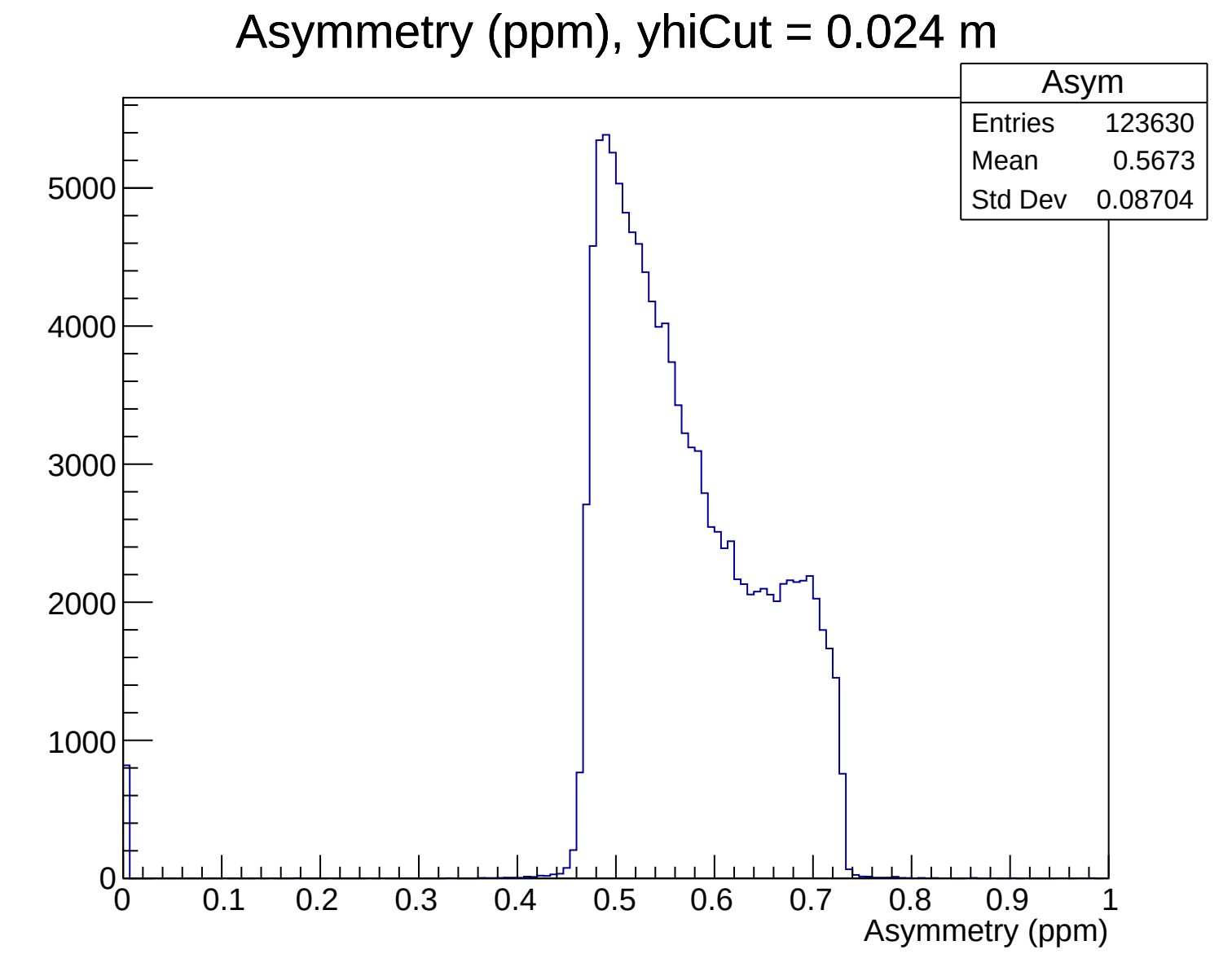

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

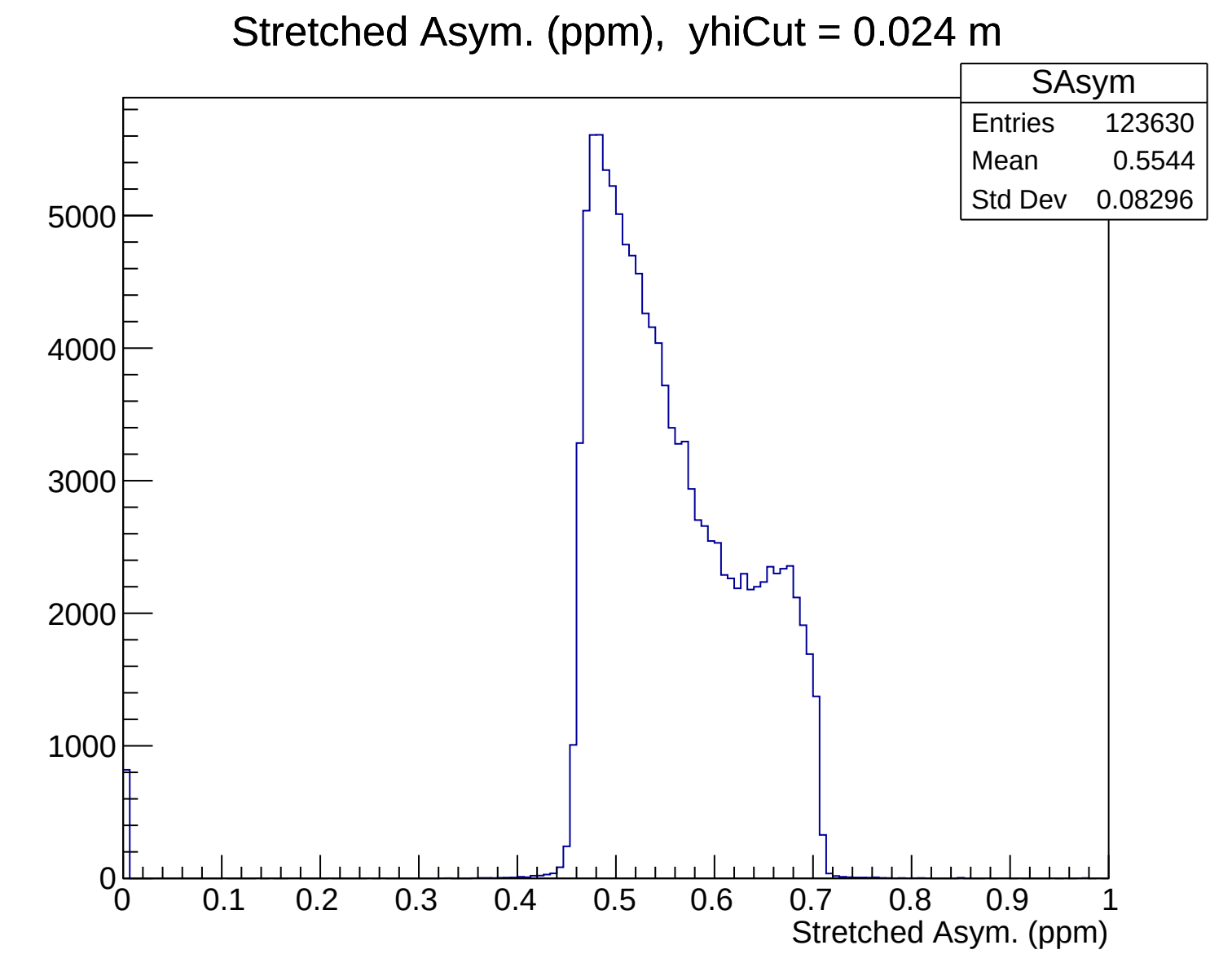

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.024
R.tr.y[0]+1.3*R.tr.ph[0] (m)

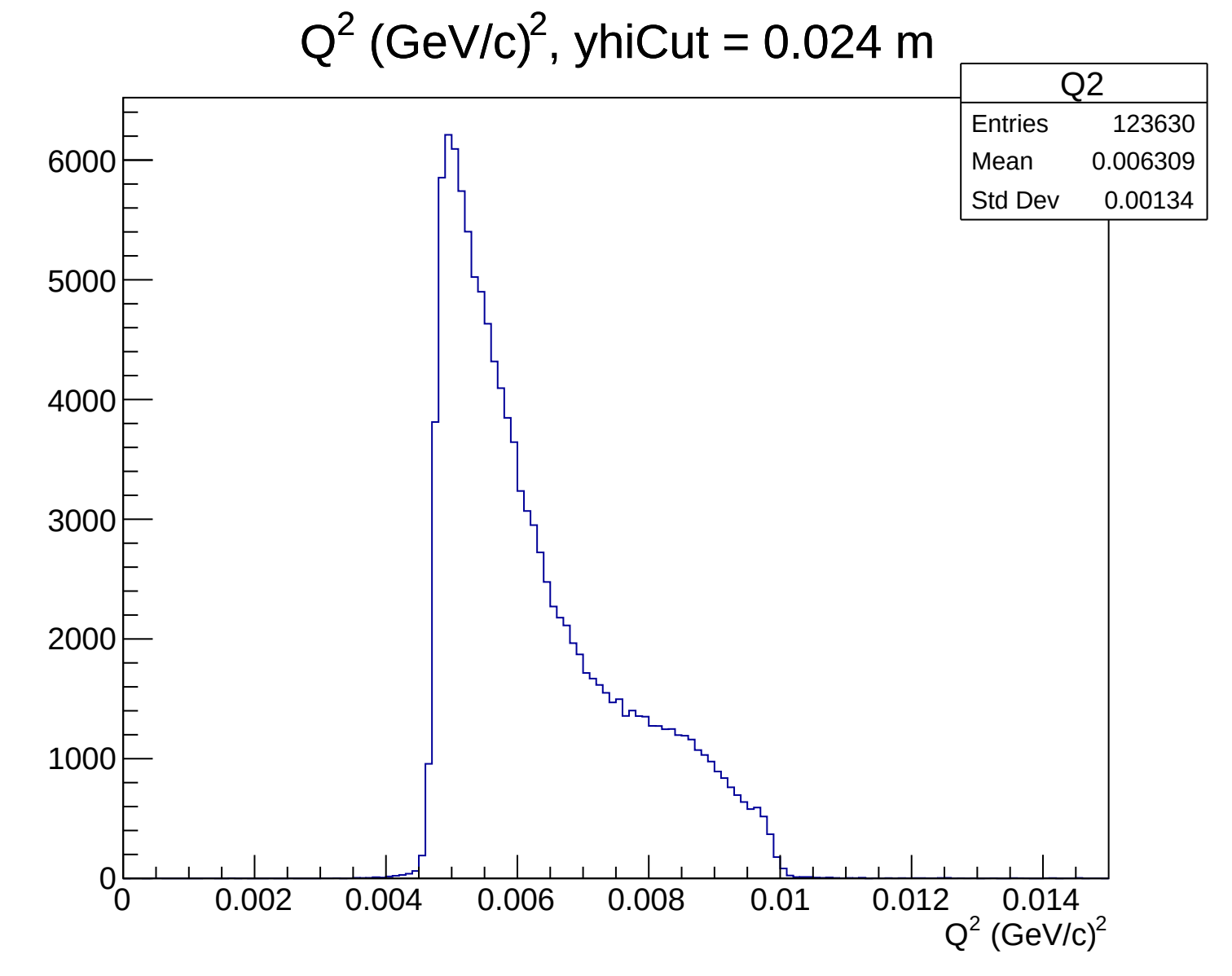

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

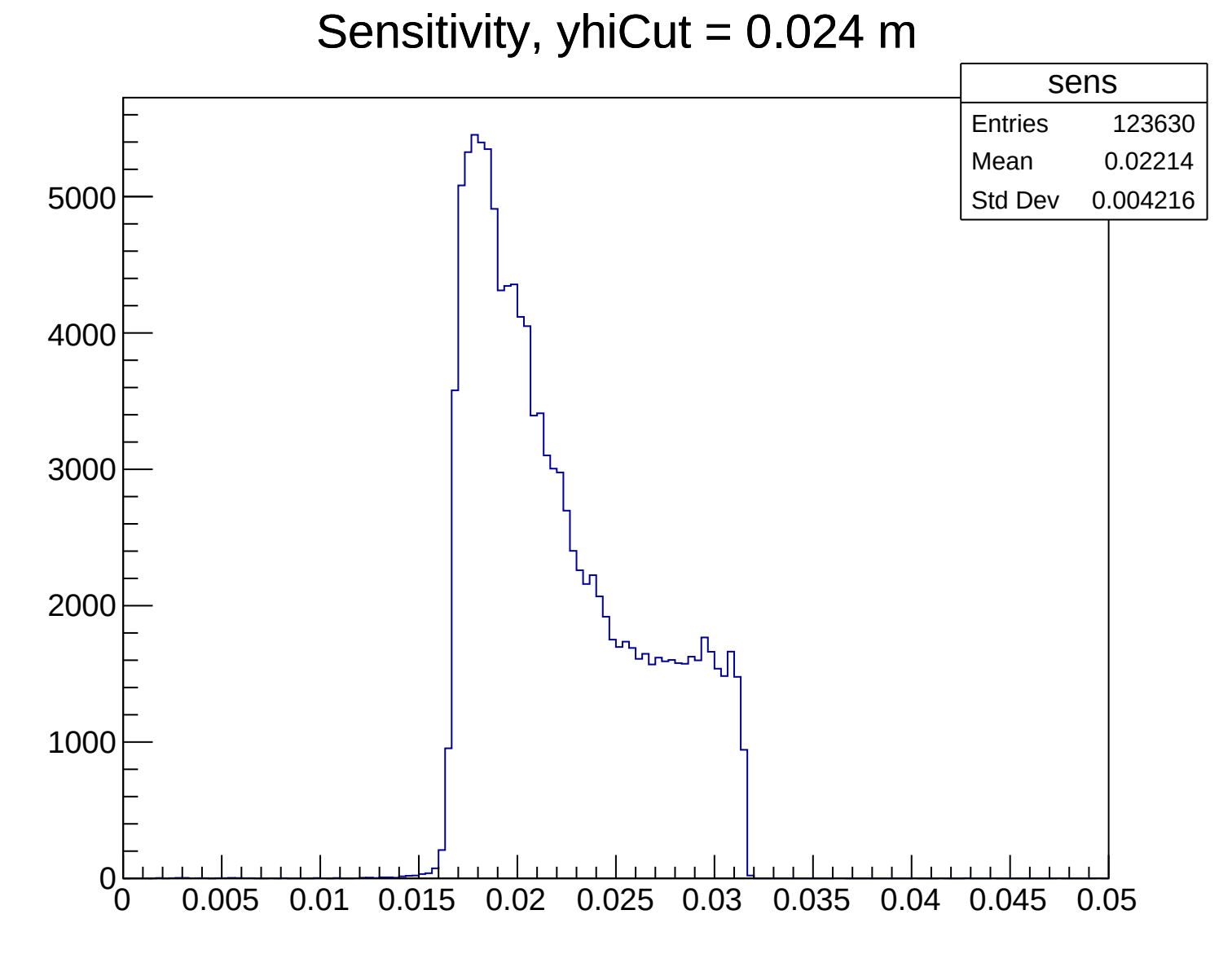

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected x (m)
Projected y (m)

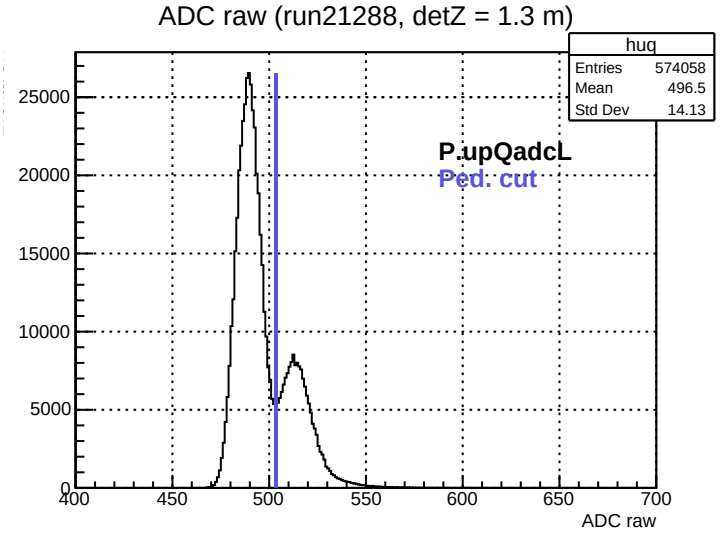

θlab (deg), yhiCut = 0.024 m
Theta
Entries 123630
Mean 4.774
Std Dev 0.4938
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

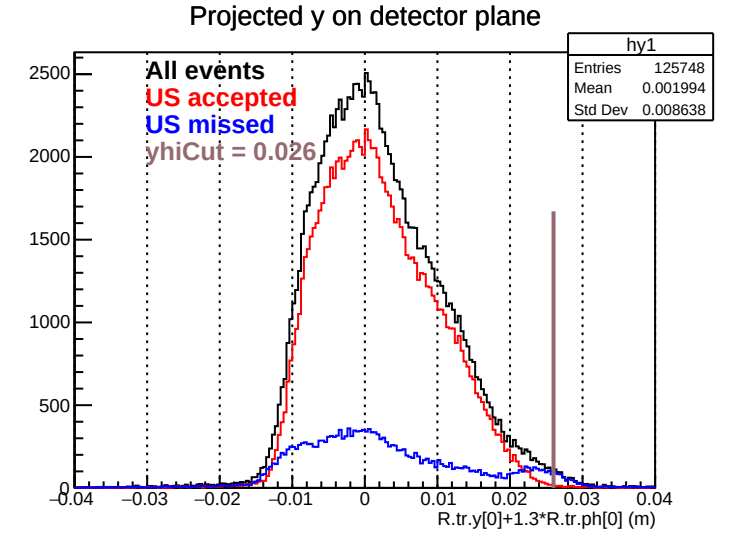

Asymmetry (ppm), yhiCut = 0.024 m
Asym
Entries 123630
Mean 0.5673
Std Dev 0.08704
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

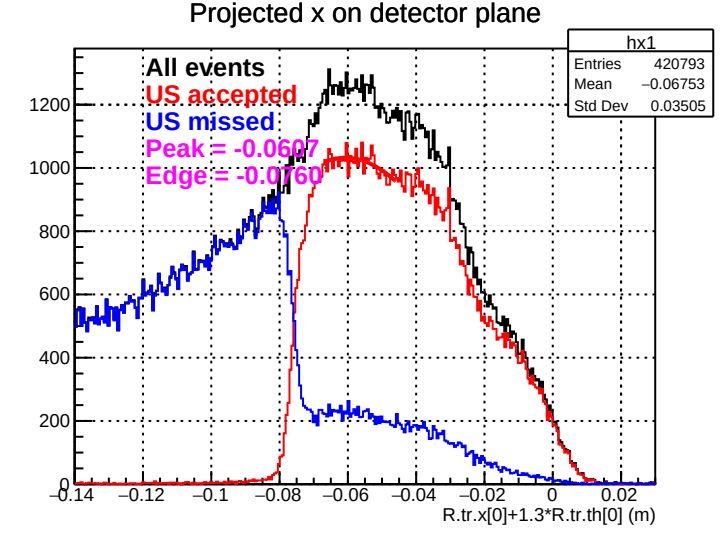

Stretched Asym. (ppm), yhiCut = 0.024 m
SAsym
Entries 123630
Mean 0.5544
Std Dev 0.08296
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

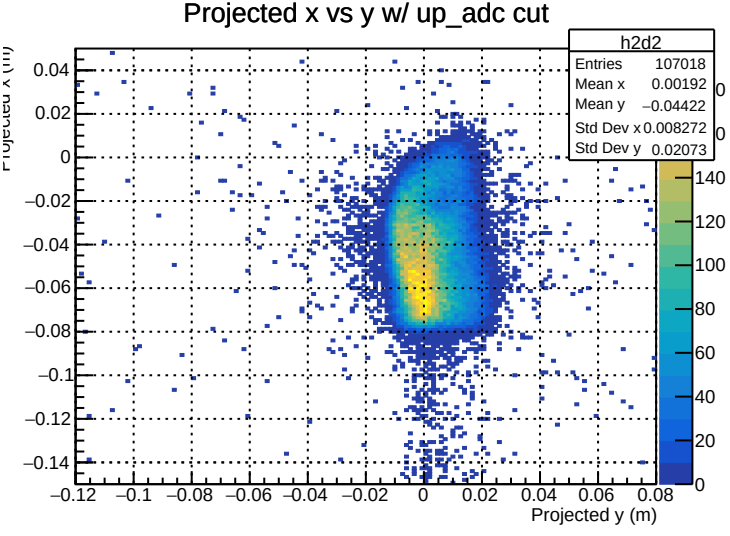

Q^2 (GeV/c)^2, yhiCut = 0.024 m
Q2
Entries 123630
Mean 0.006309
Std Dev 0.00134
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

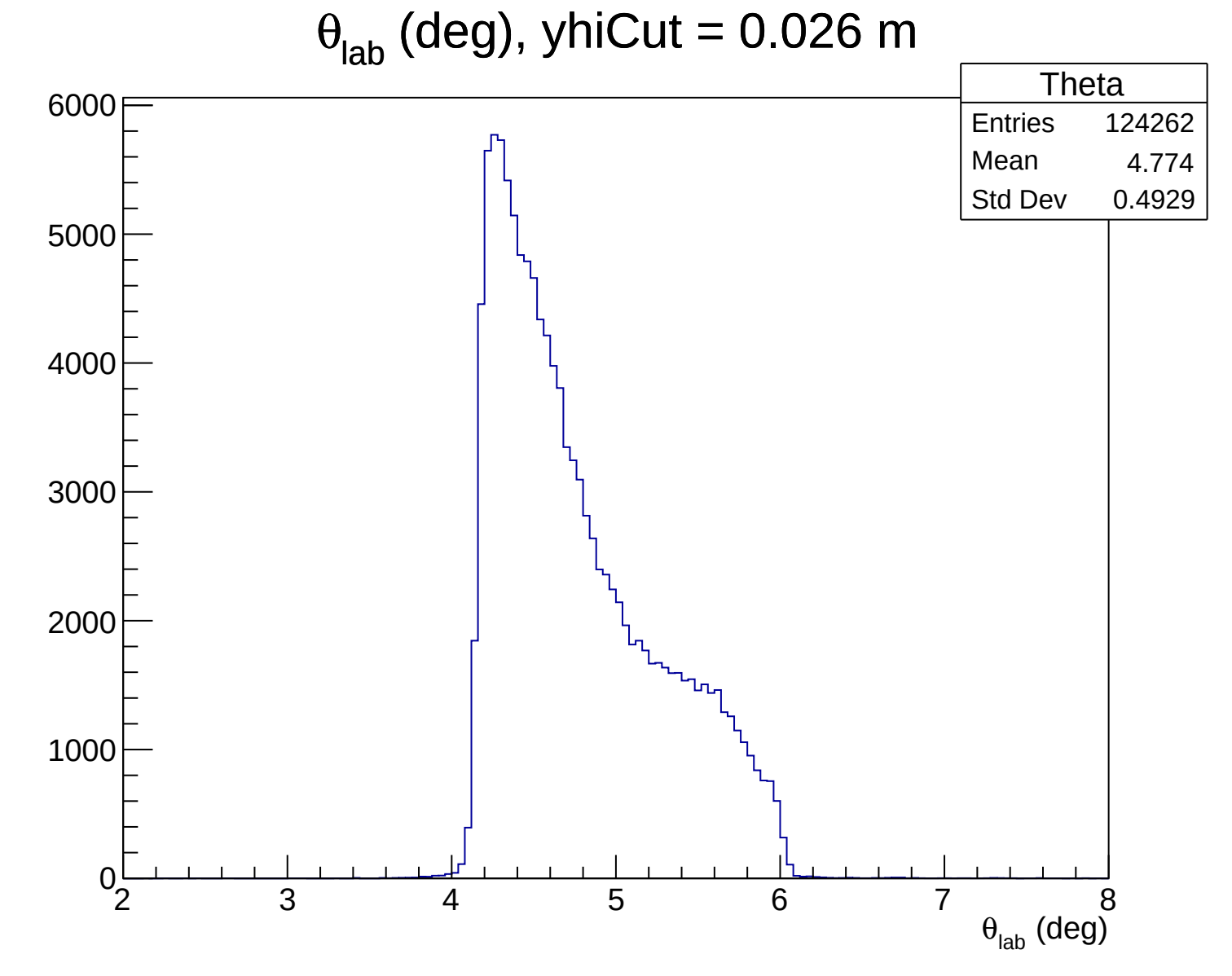

Sensitivity, yhiCut = 0.024 m
sens
Entries 123630
Mean 0.02214
Std Dev 0.004216
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

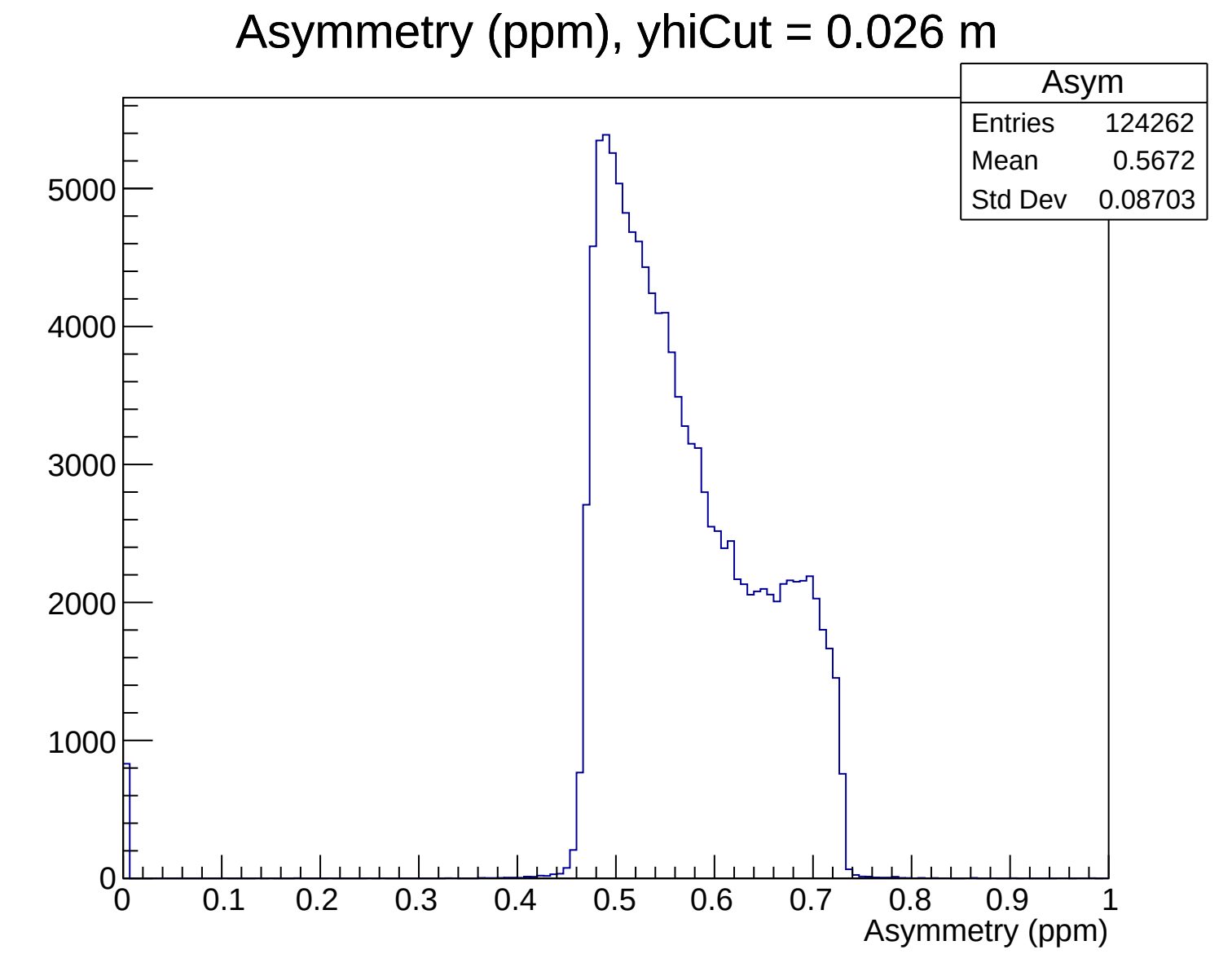

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

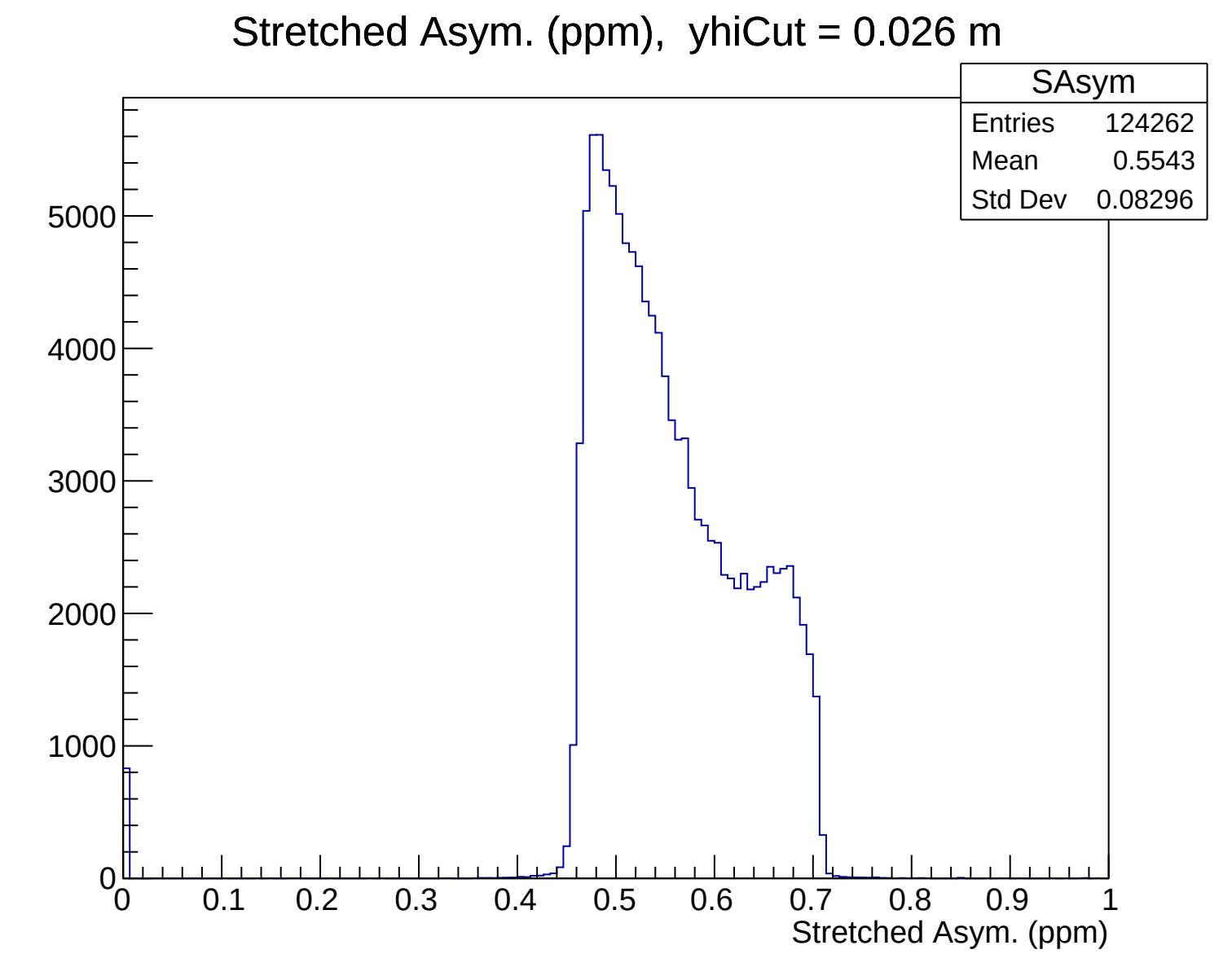

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.026
R.tr.y[0]+1.3*R.tr.ph[0] (m)

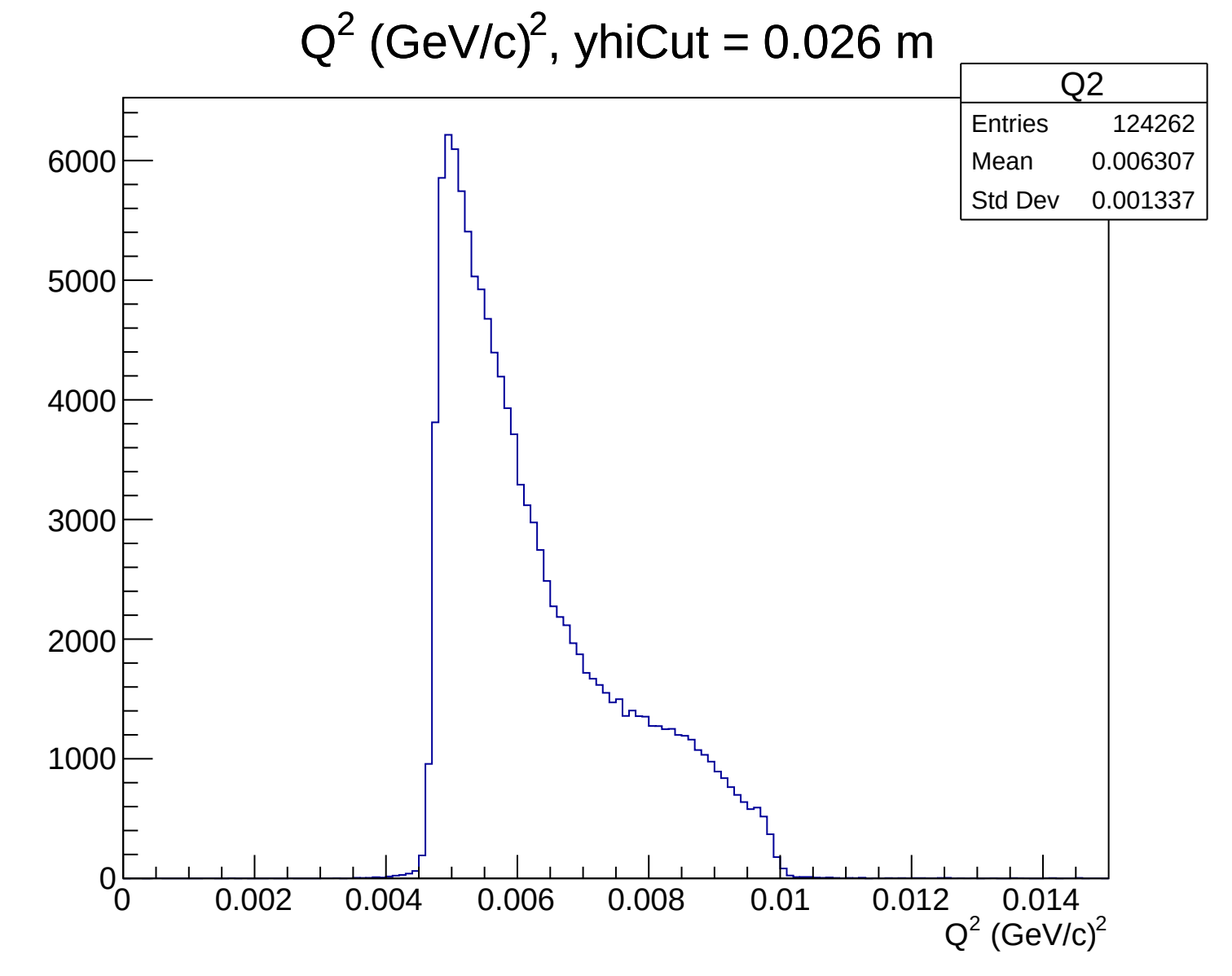

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

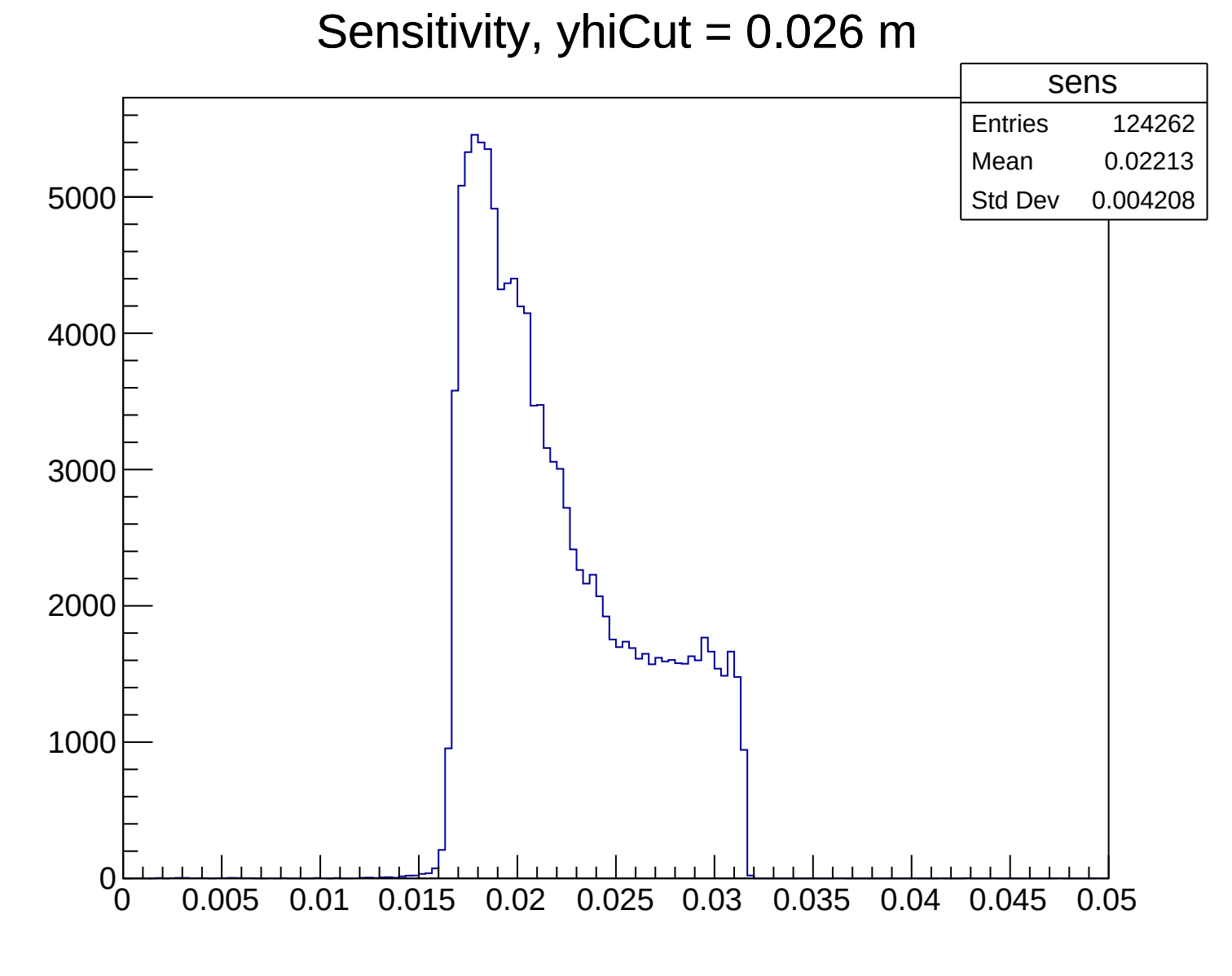

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

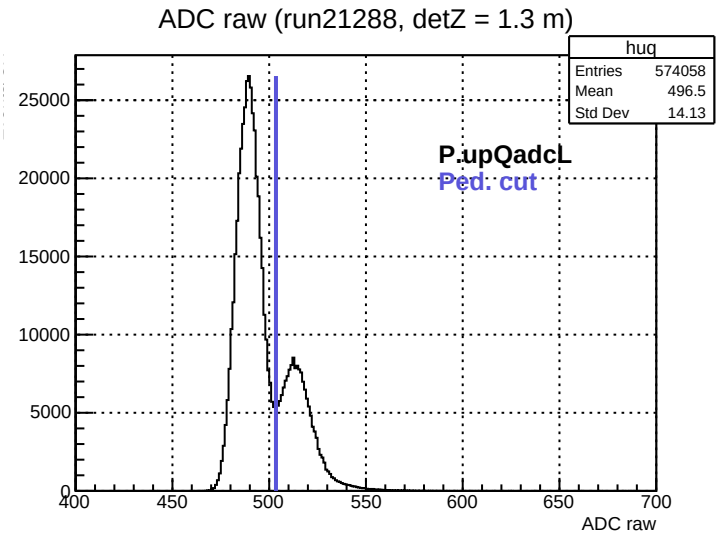

θlab (deg), yhiCut = 0.026 m
Theta
Entries 124262
Mean 4.774
Std Dev 0.4929
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

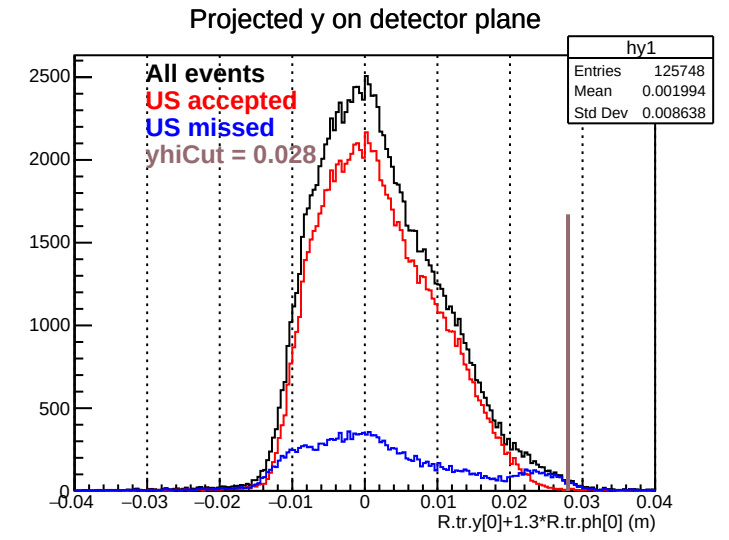

Asymmetry (ppm), yhiCut = 0.026 m
Asym
Entries 124262
Mean 0.5672
Std Dev 0.08703
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

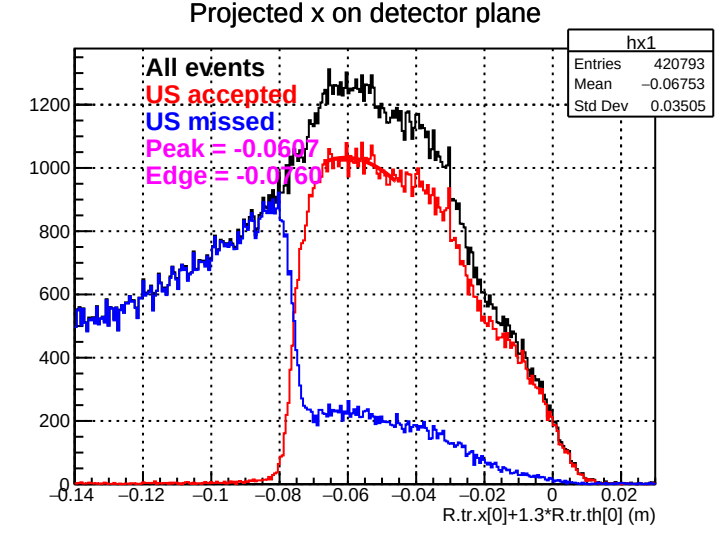

Stretched Asym. (ppm), yhiCut = 0.026 m
SAsym
Entries 124262
Mean 0.5543
Std Dev 0.08296
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

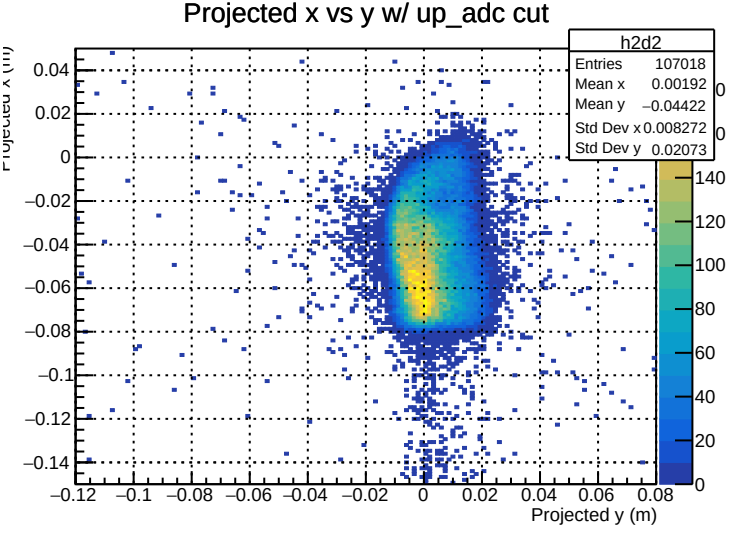

Q^2 (GeV/c)^2, yhiCut = 0.026 m
Q2
Entries 124262
Mean 0.006307
Std Dev 0.001337
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

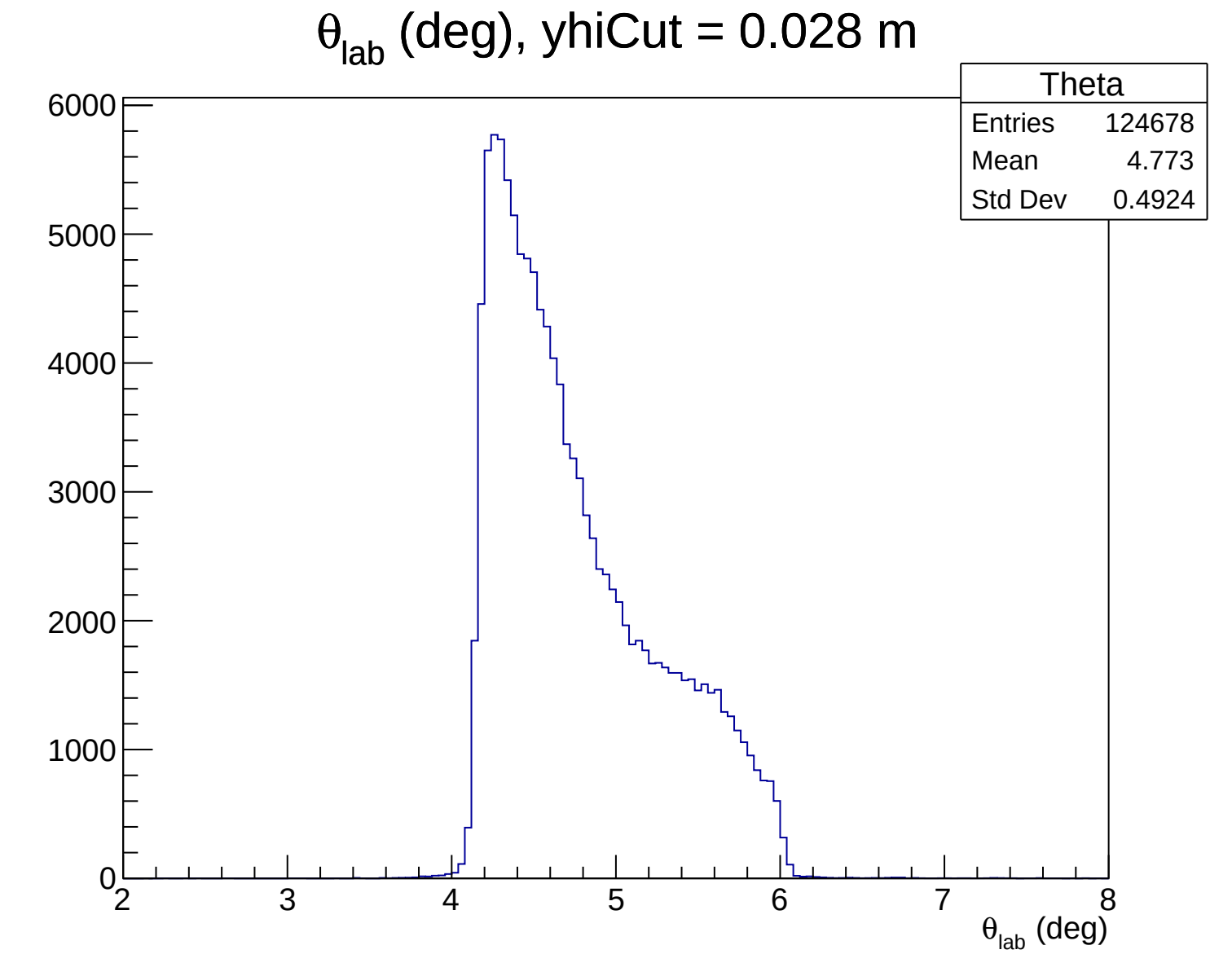

Sensitivity, yhiCut = 0.026 m
sens
Entries 124262
Mean 0.02213
Std Dev 0.004208
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

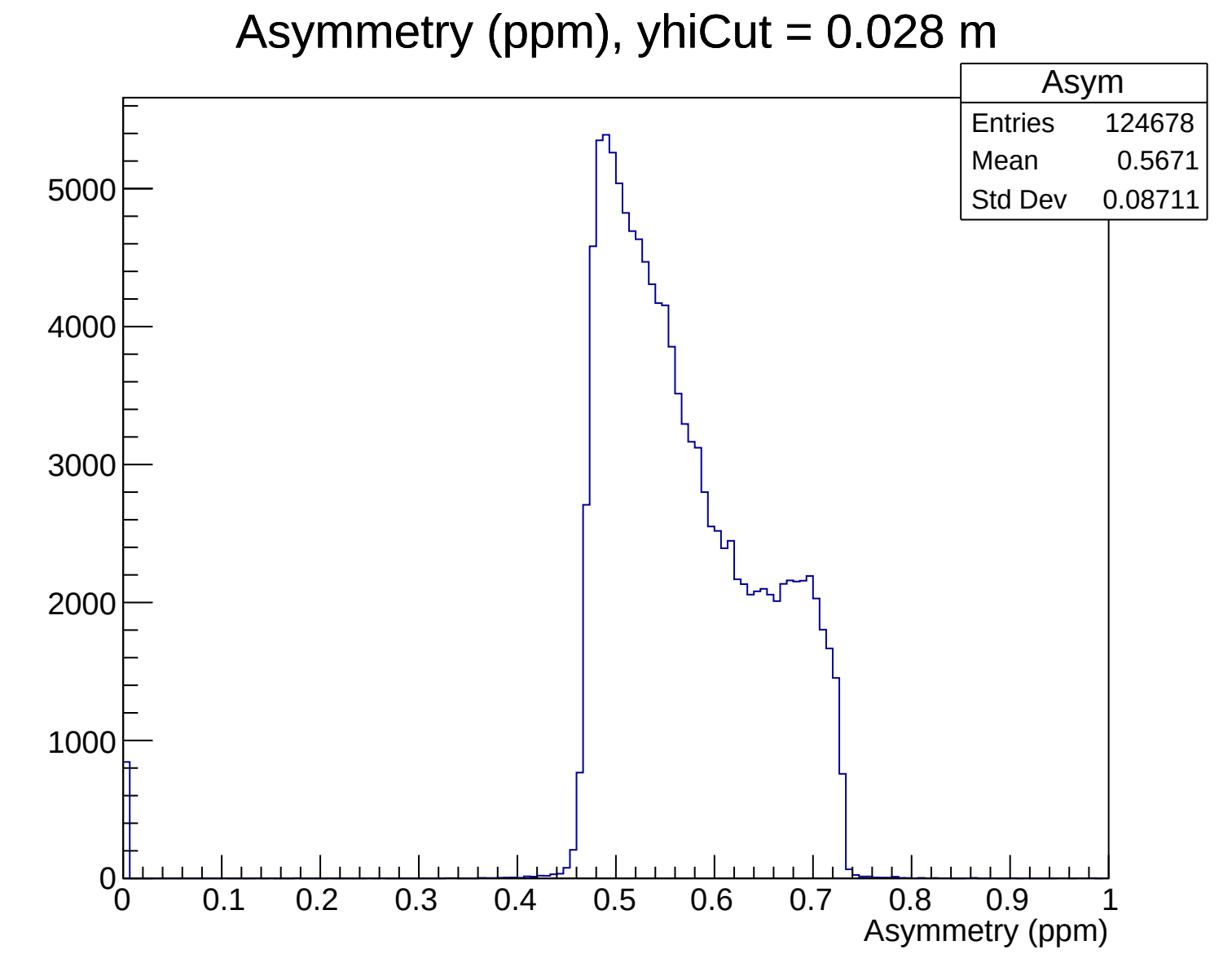

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

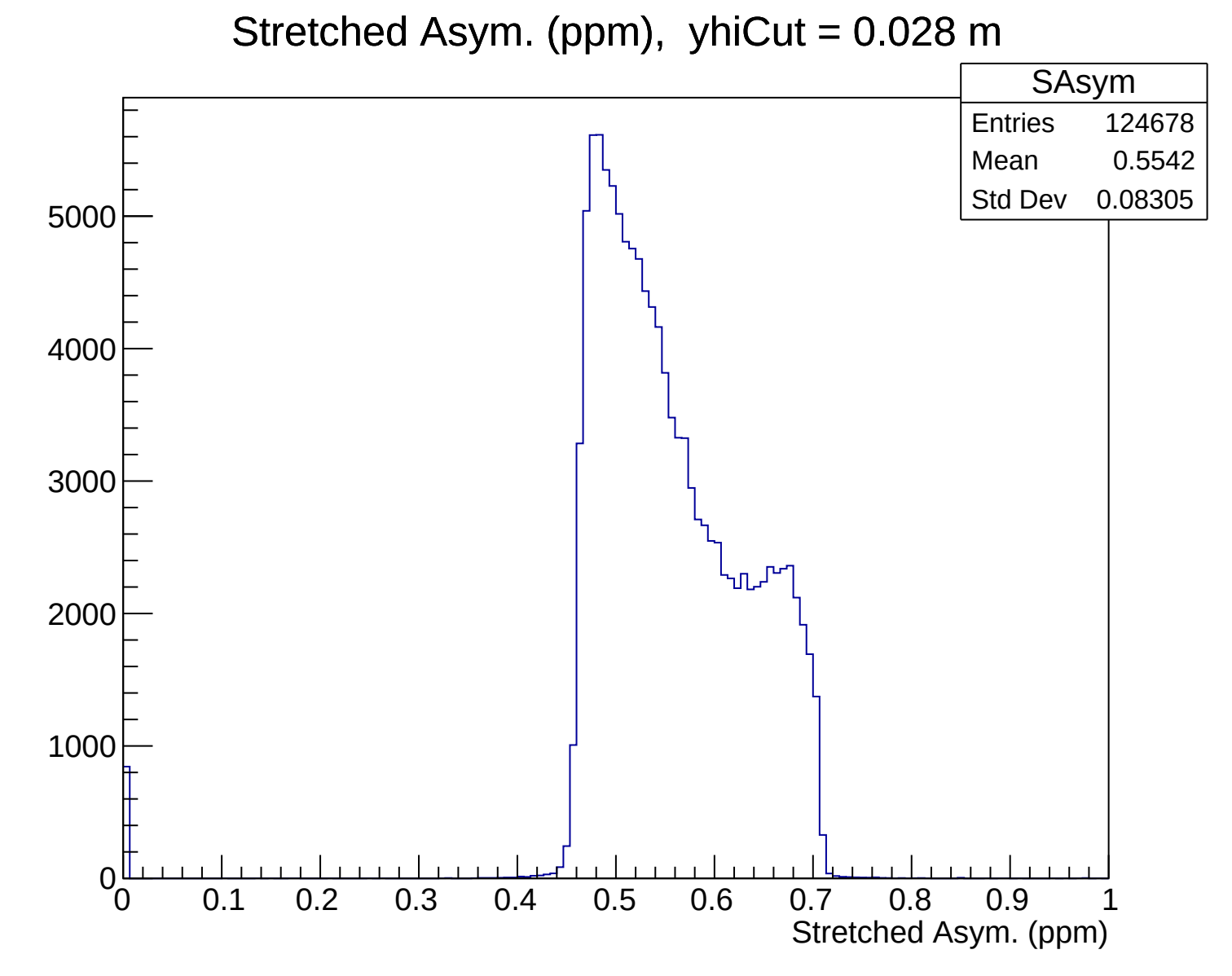

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.028
R.tr.y[0]+1.3*R.tr.ph[0] (m)

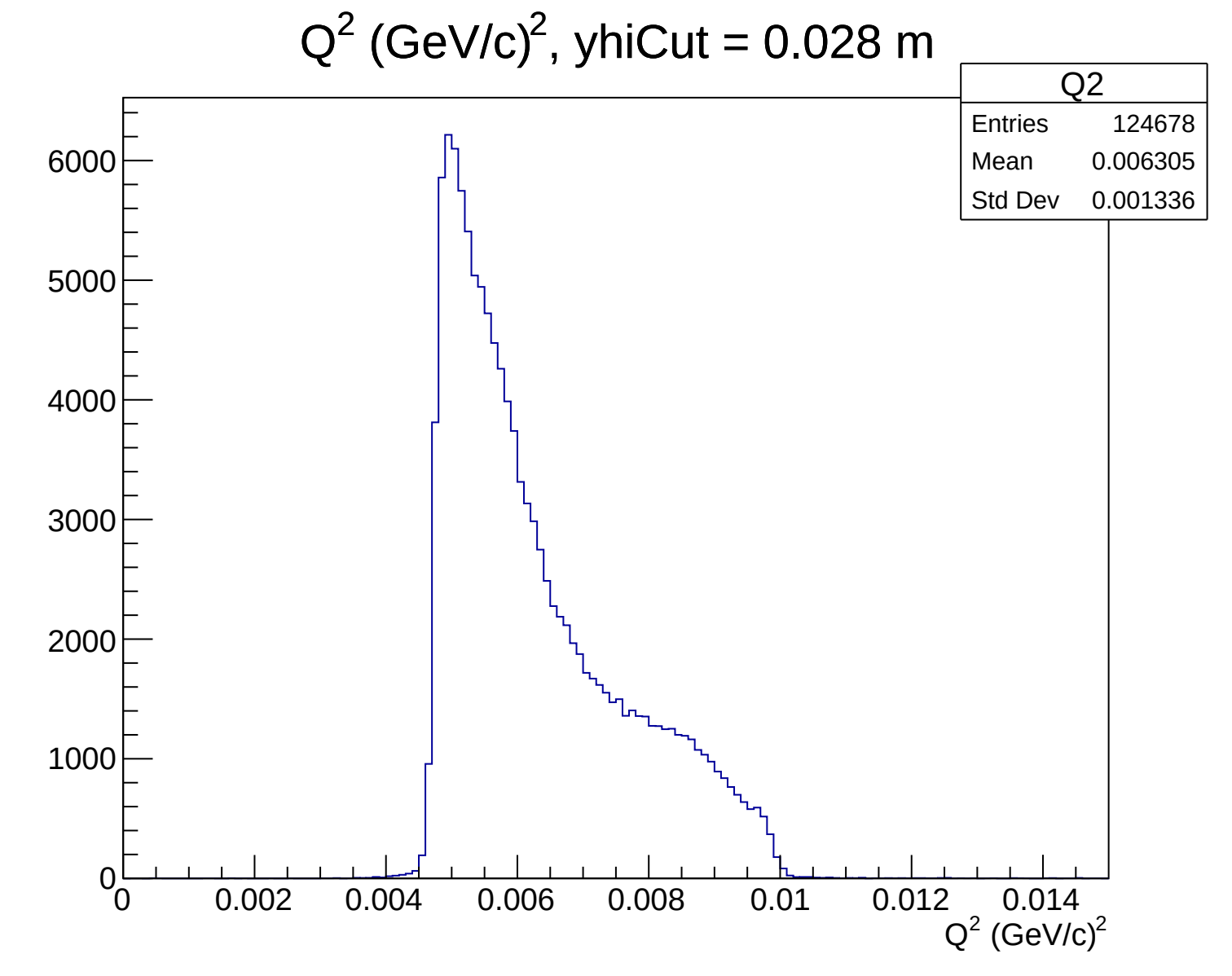

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

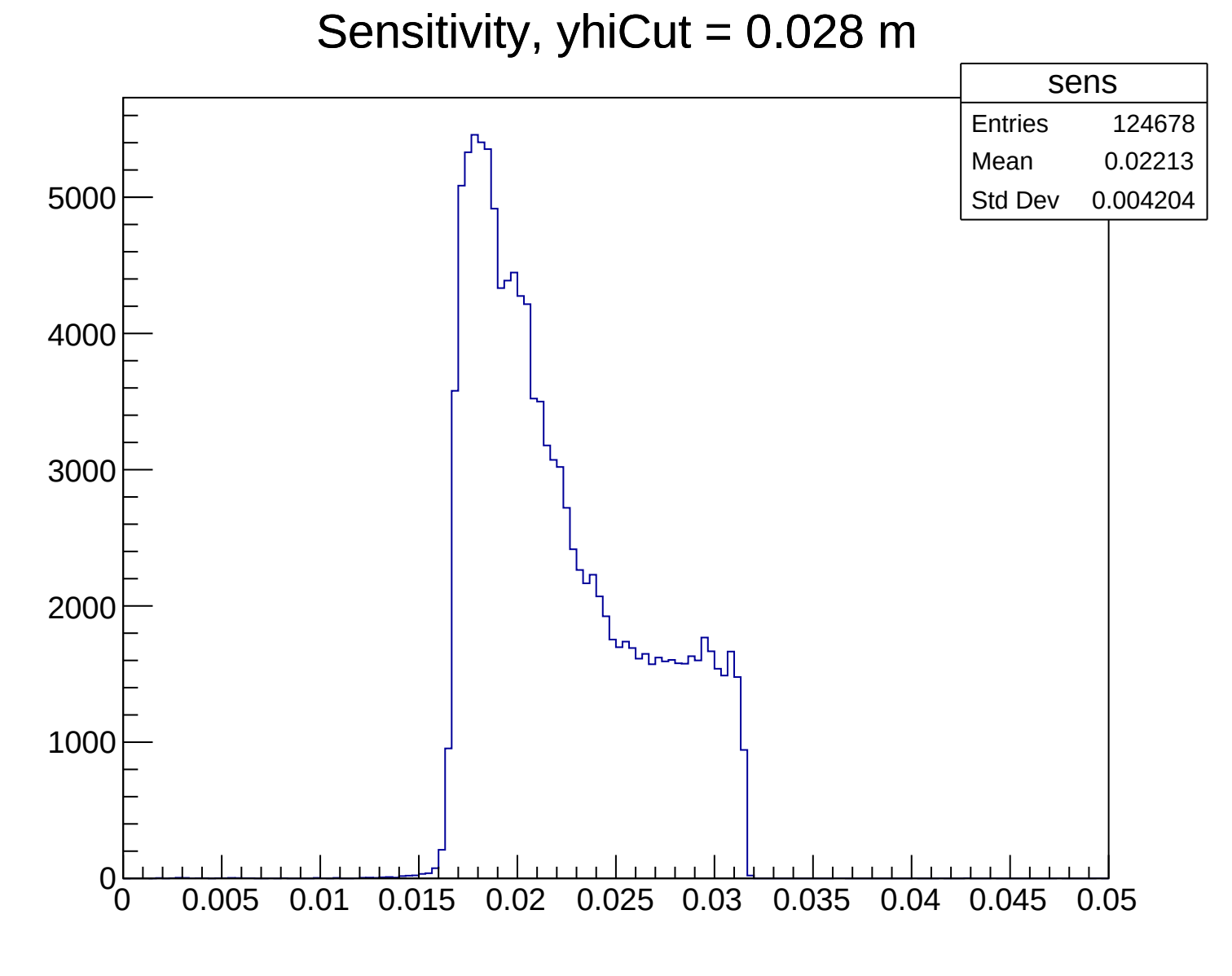

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

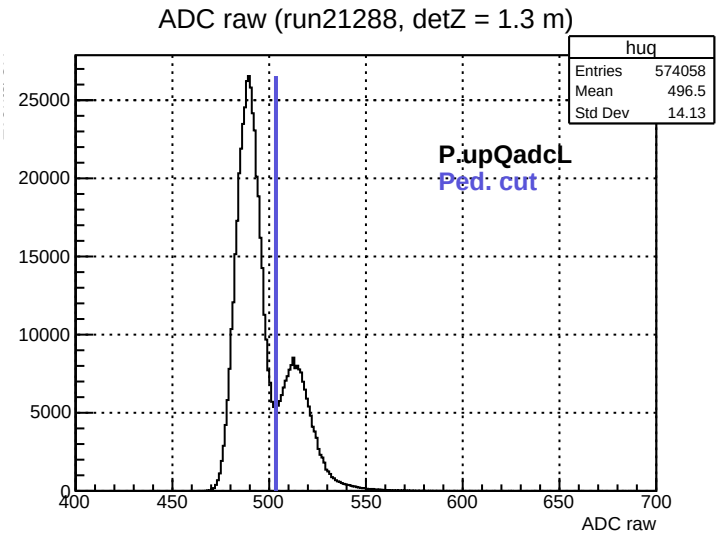

θlab (deg), yhiCut = 0.028 m
Theta
Entries 124678
Mean 4.773
Std Dev 0.4924
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

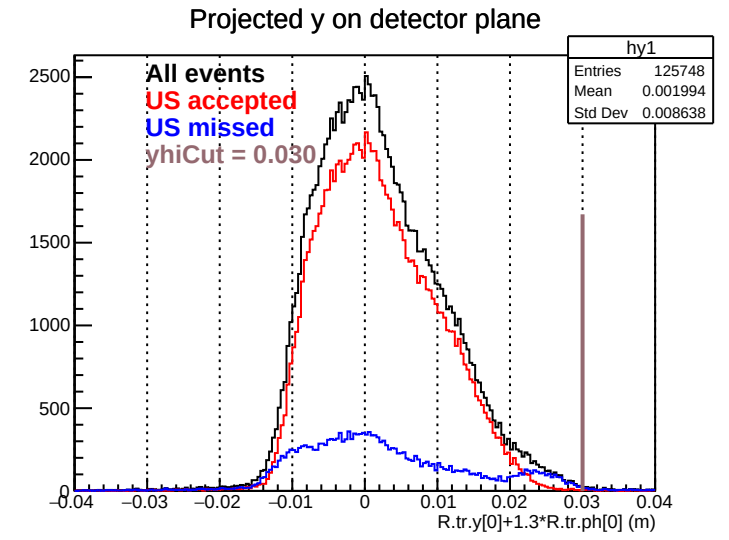

Asymmetry (ppm), yhiCut = 0.028 m
Asym
Entries 124678
Mean 0.5671
Std Dev 0.08711
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

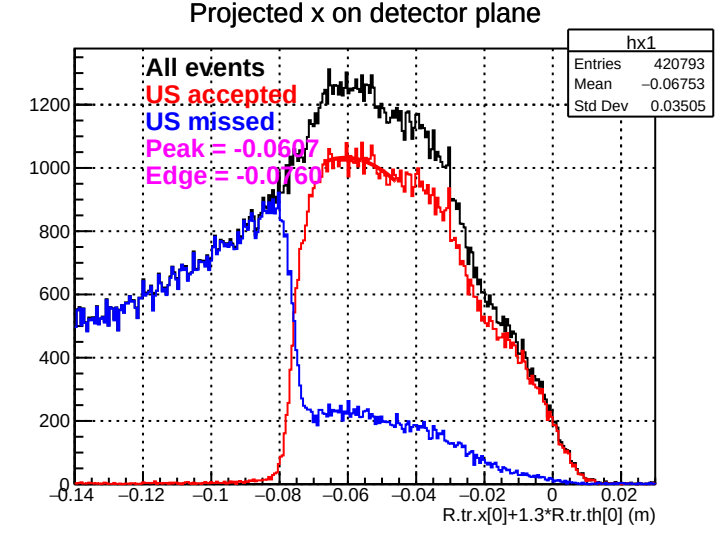

Stretched Asym. (ppm), yhiCut = 0.028 m
SAsym
Entries 124678
Mean 0.5542
Std Dev 0.08305
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

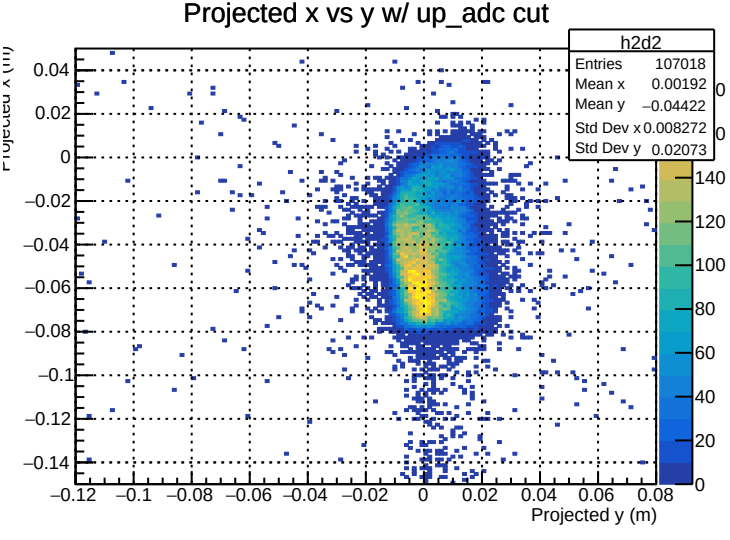

Q^2 (GeV/c)^2, yhiCut = 0.028 m
Q2
Entries 124678
Mean 0.006305
Std Dev 0.001336
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

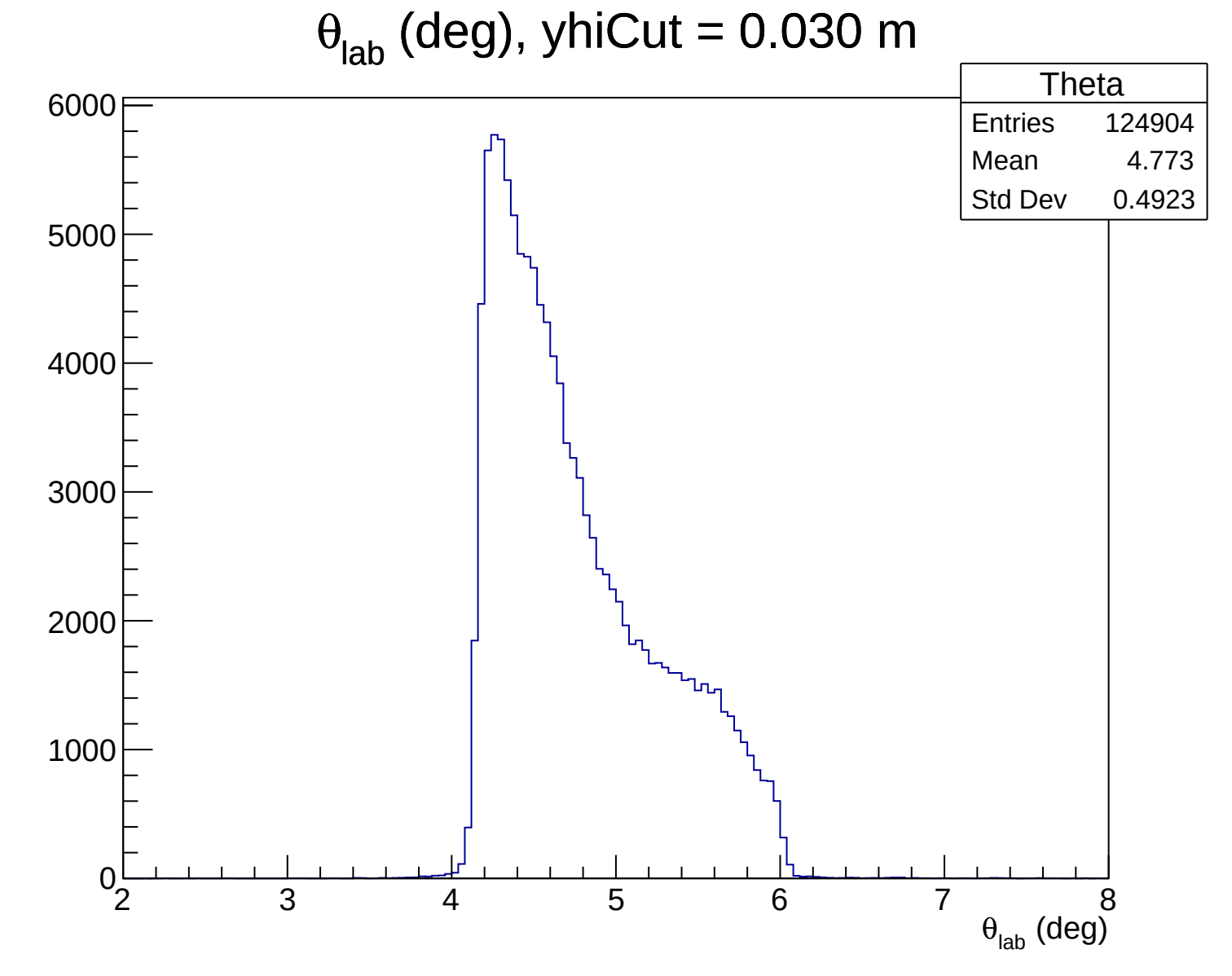

Sensitivity, yhiCut = 0.028 m
sens
Entries 124678
Mean 0.02213
Std Dev 0.004204
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

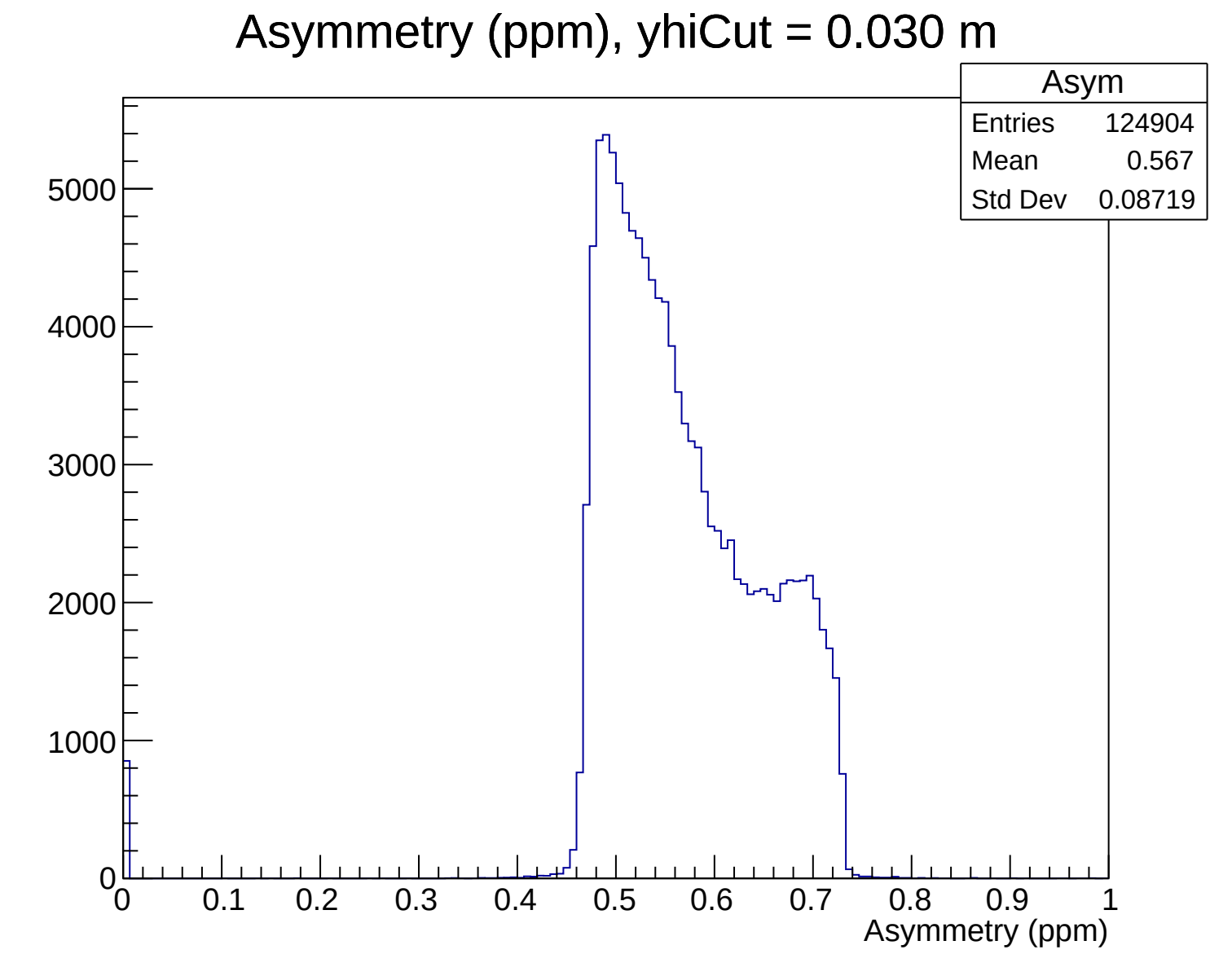

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

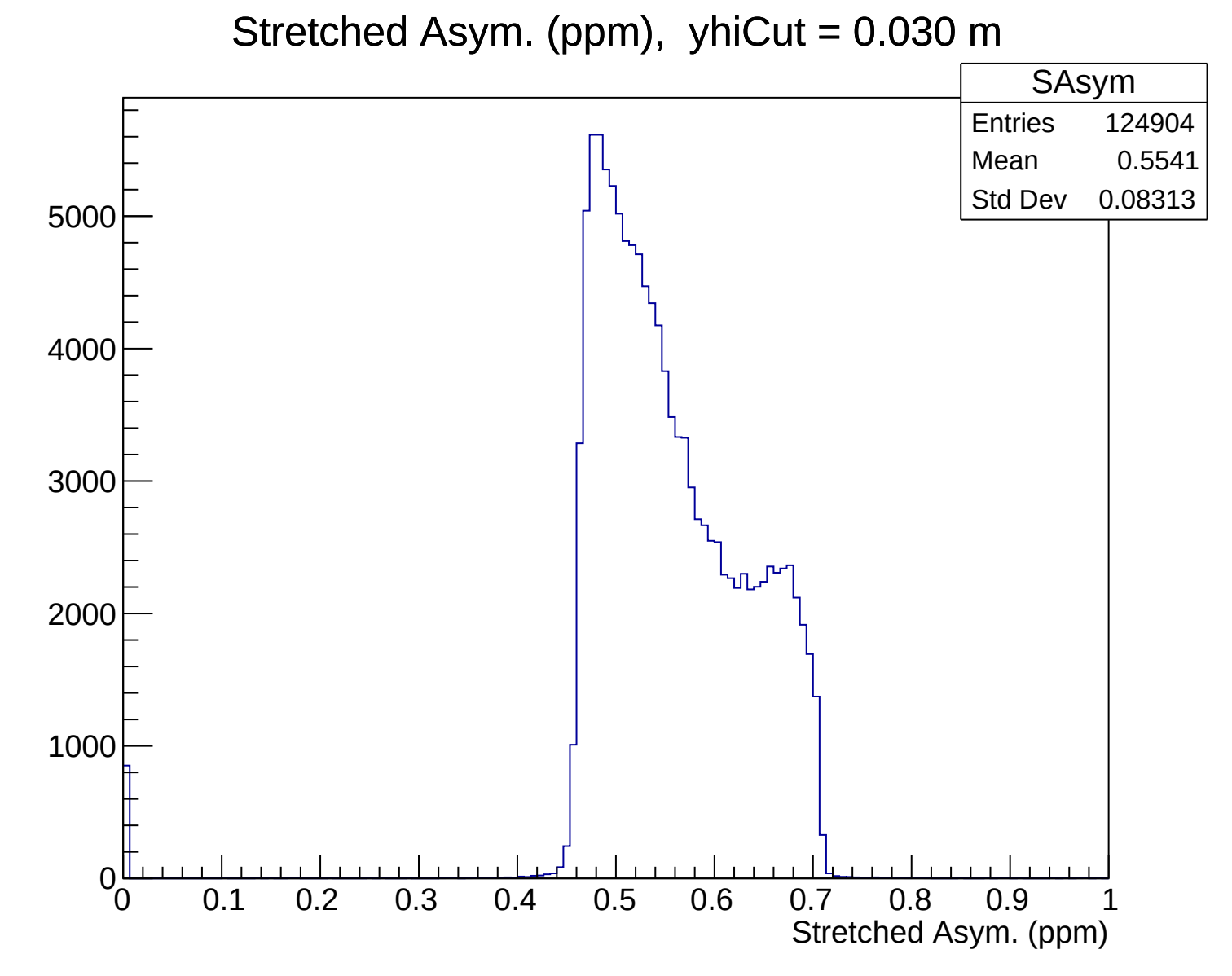

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.030
R.tr.y[0]+1.3*R.tr.ph[0] (m)

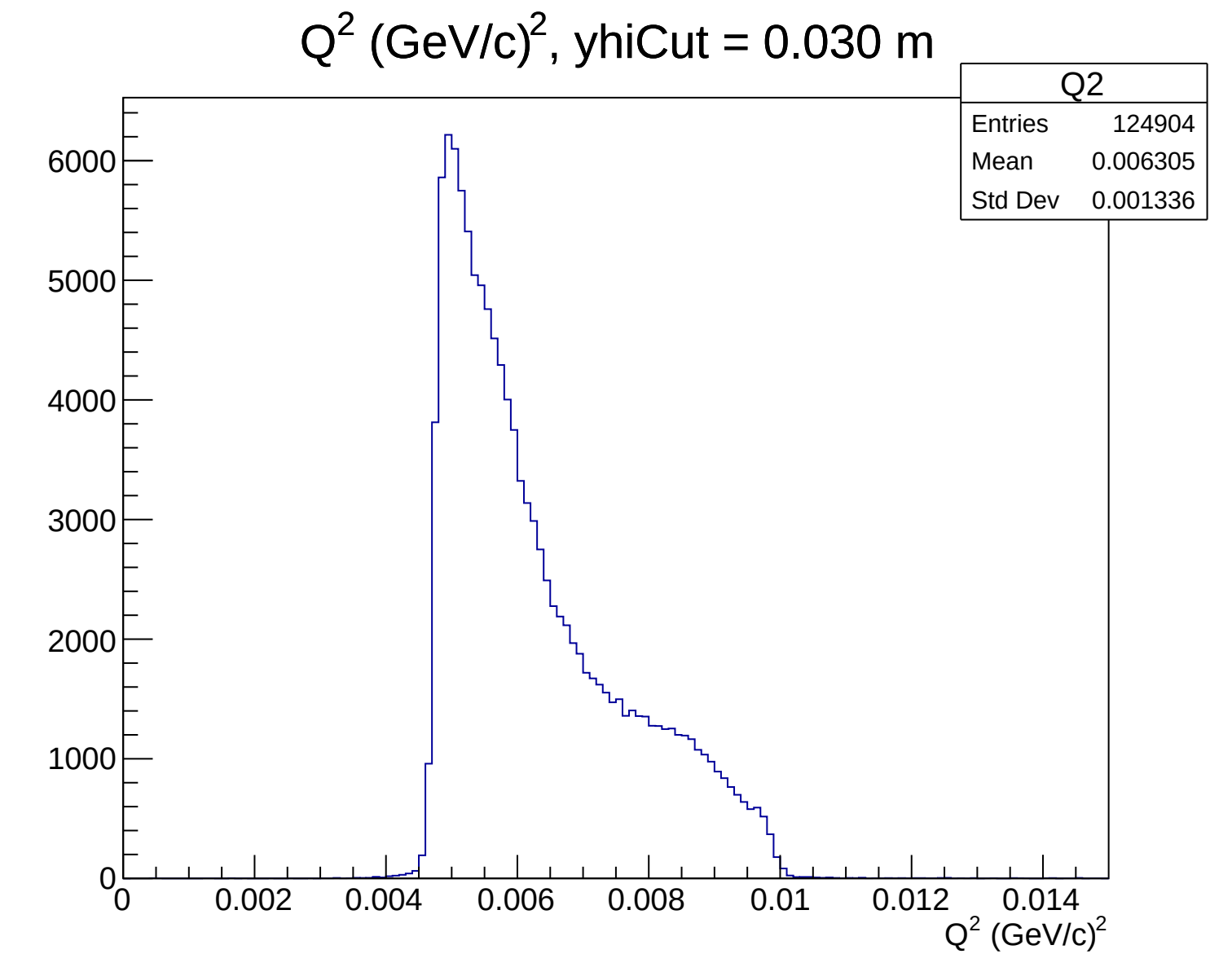

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

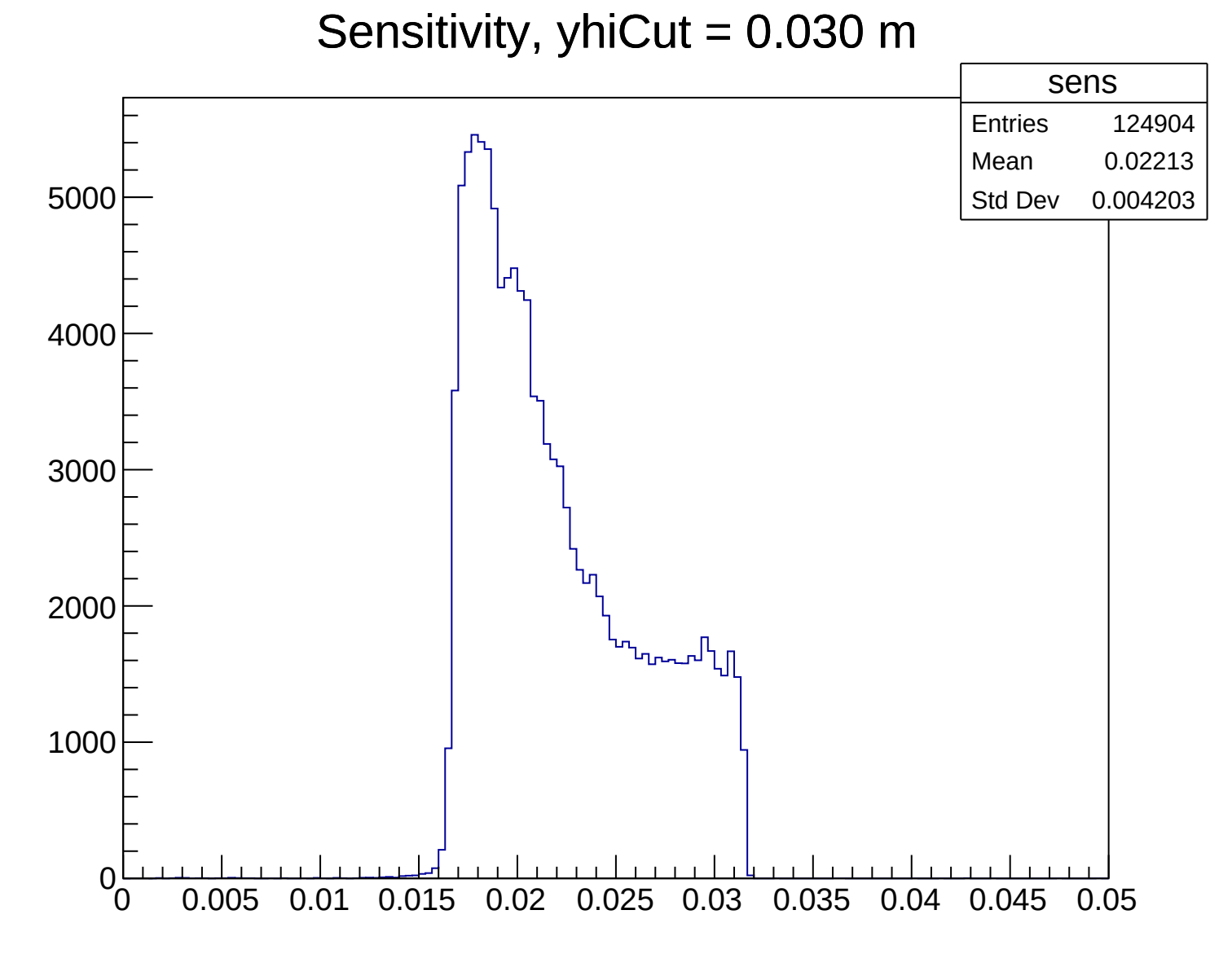

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

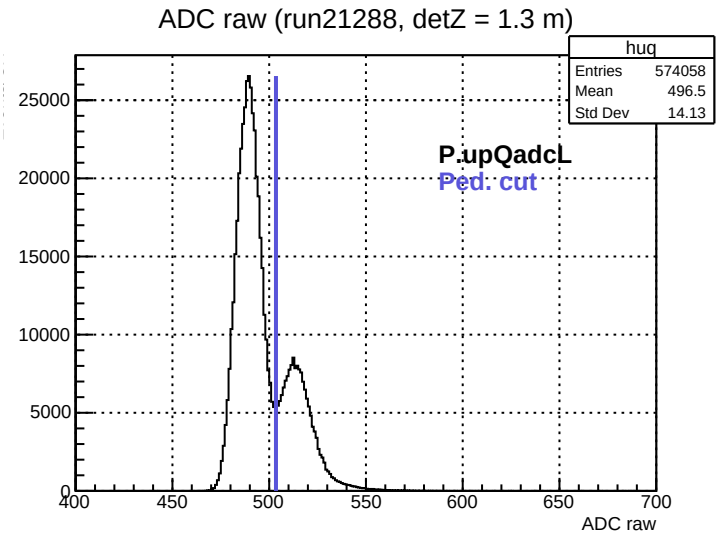

θlab (deg), yhiCut = 0.030 m
Theta
Entries 124904
Mean 4.773
Std Dev 0.4923
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

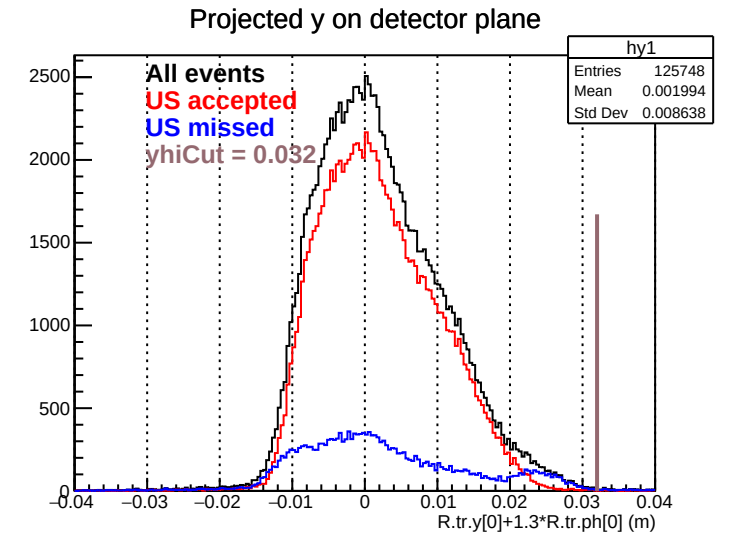

Asymmetry (ppm), yhiCut = 0.030 m
Asym
Entries 124904
Mean 0.567
Std Dev 0.08719
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

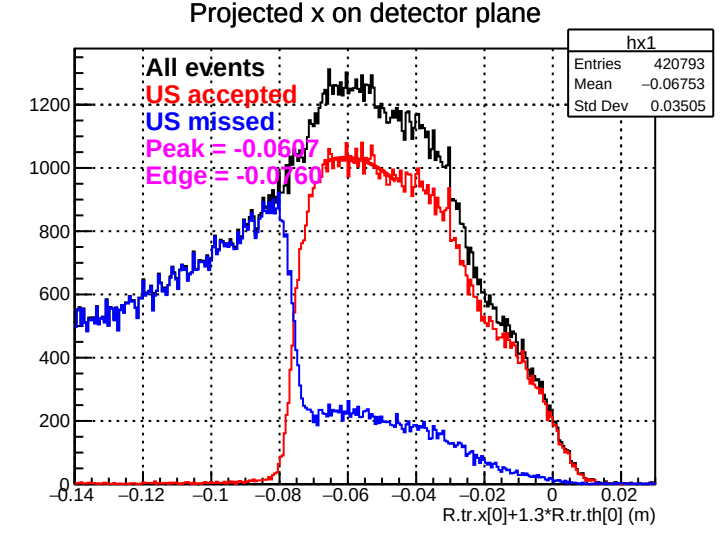

Stretched Asym. (ppm), yhiCut = 0.030 m
SAsym
Entries 124904
Mean 0.5541
Std Dev 0.08313
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

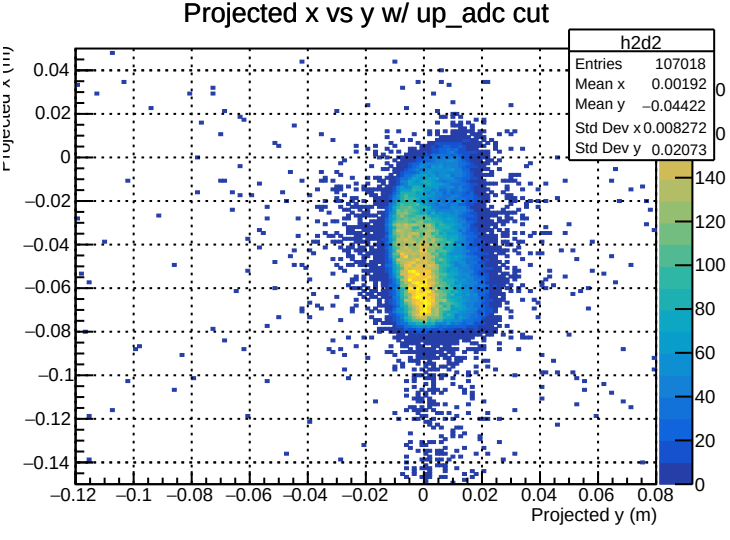

Q^2 (GeV/c)^2, yhiCut = 0.030 m
Q2
Entries 124904
Mean 0.006305
Std Dev 0.001336
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

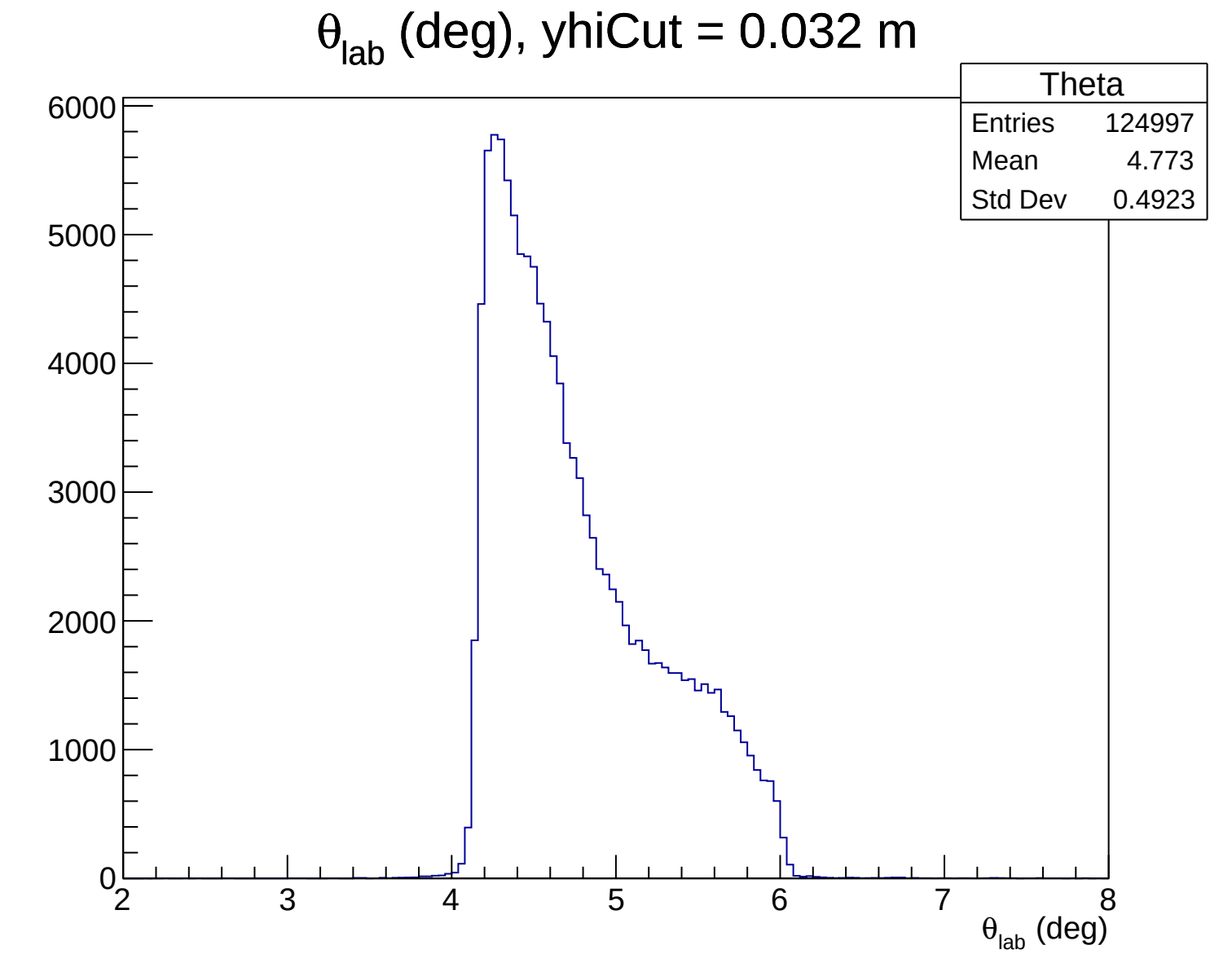

Sensitivity, yhiCut = 0.030 m
sens
Entries 124904
Mean 0.02213
Std Dev 0.004203
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

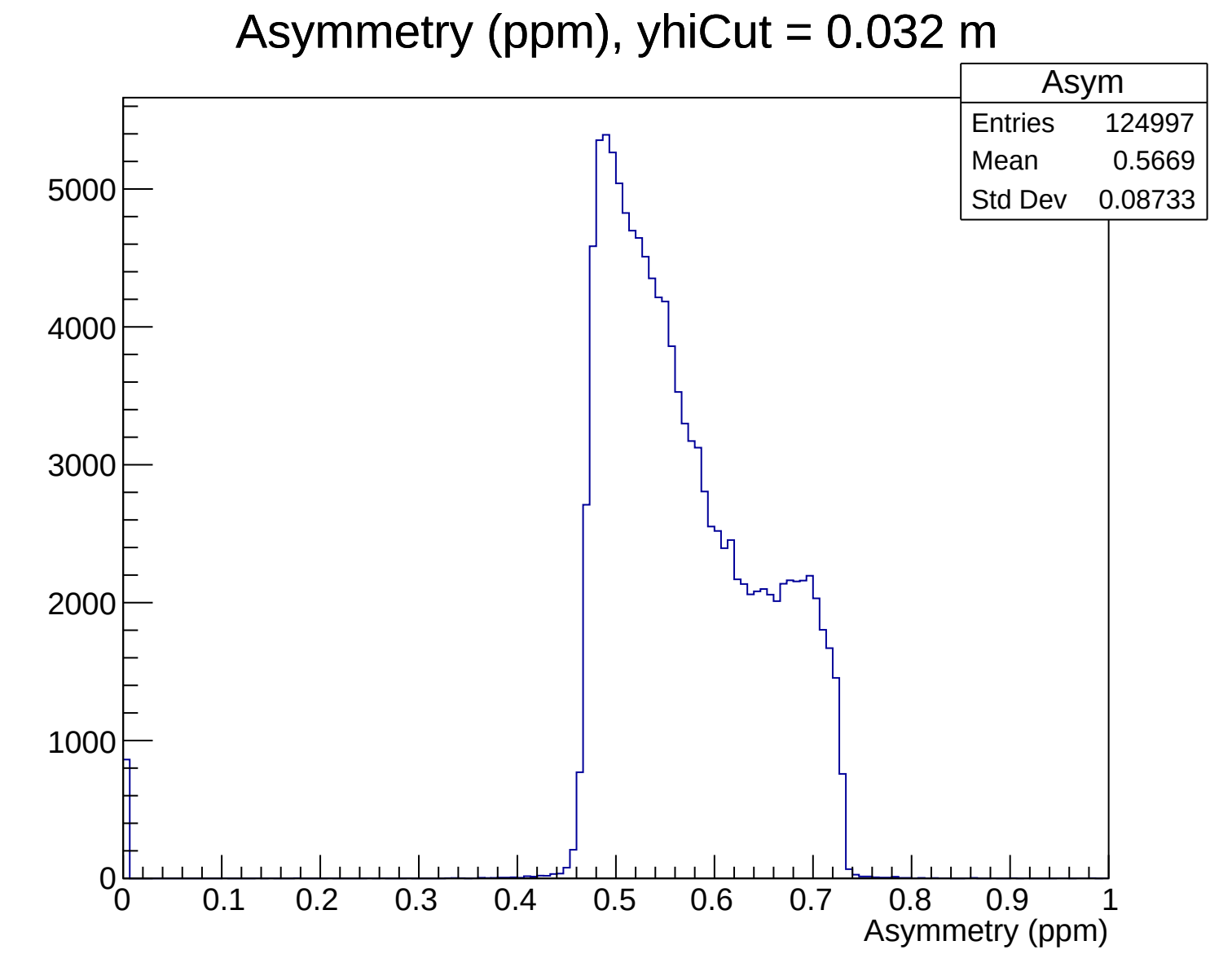

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

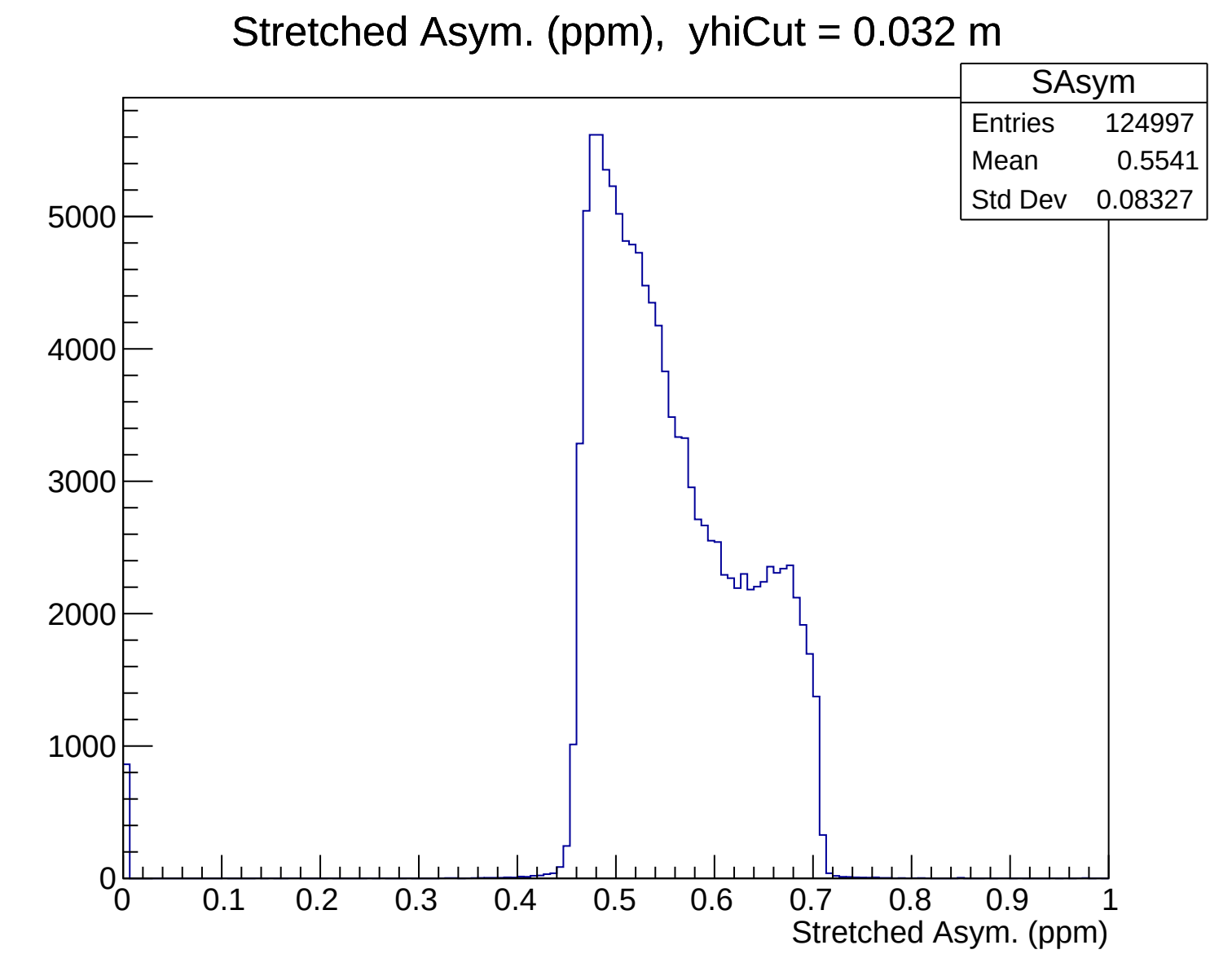

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.032
R.tr.y[0]+1.3*R.tr.ph[0] (m)

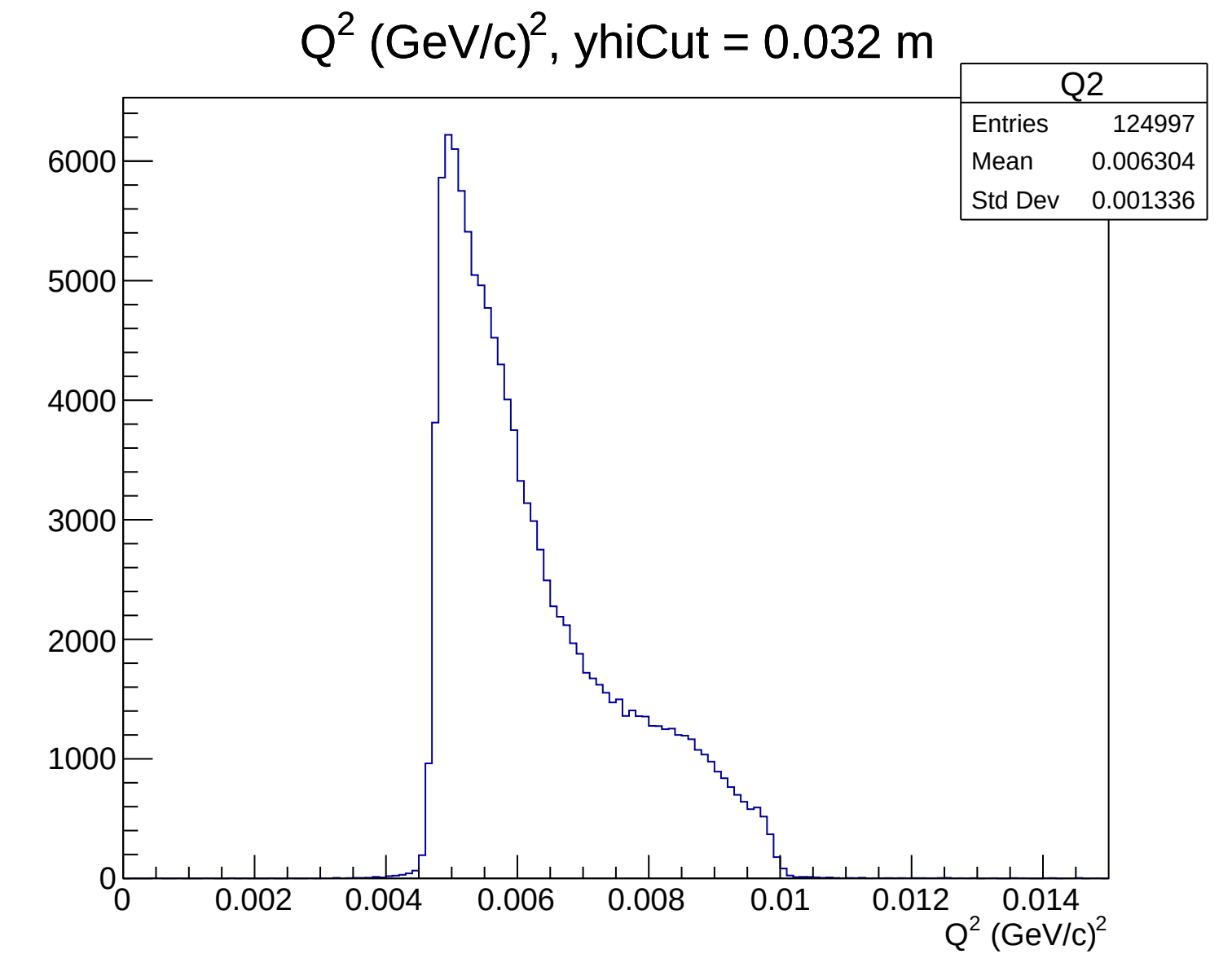

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

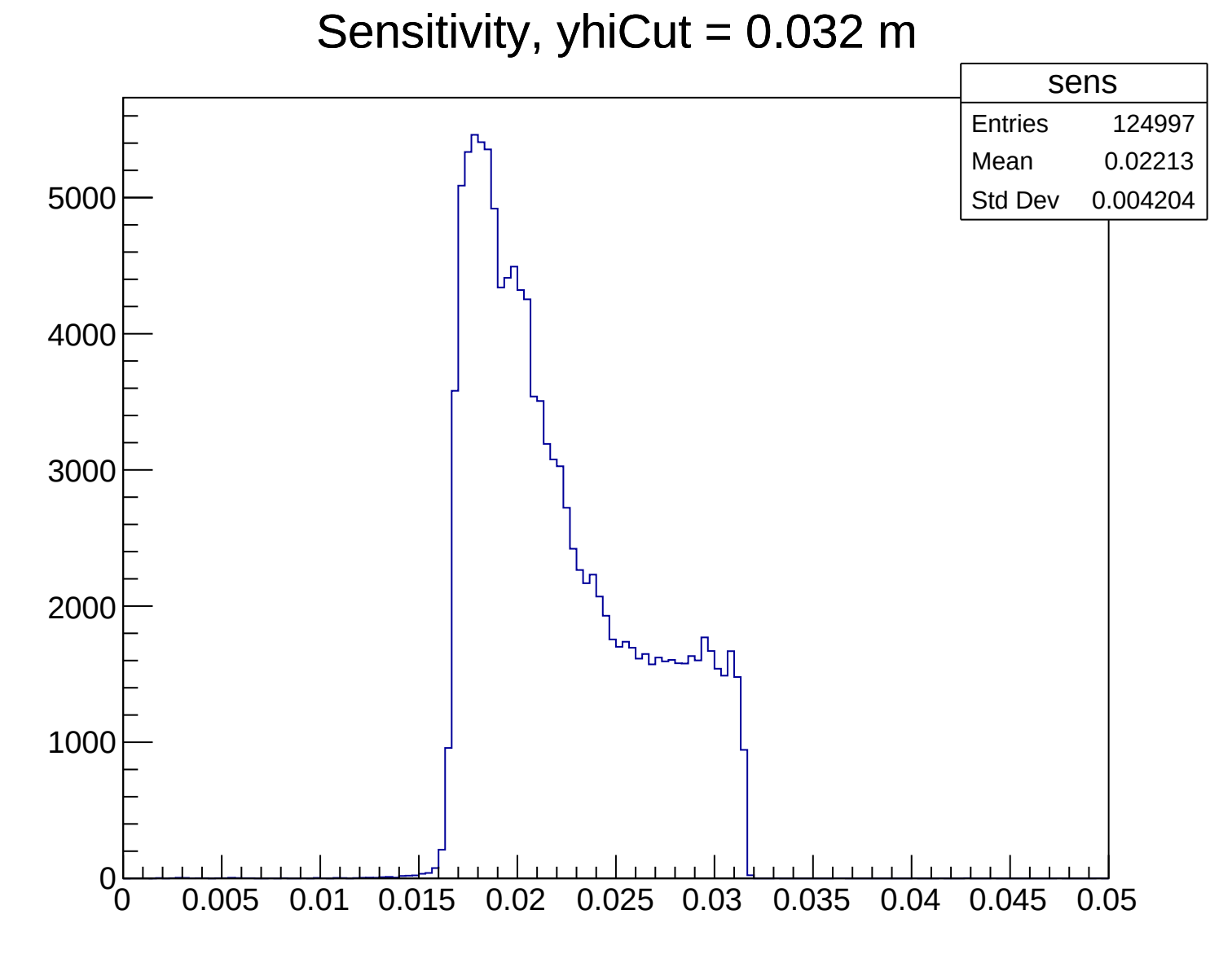

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

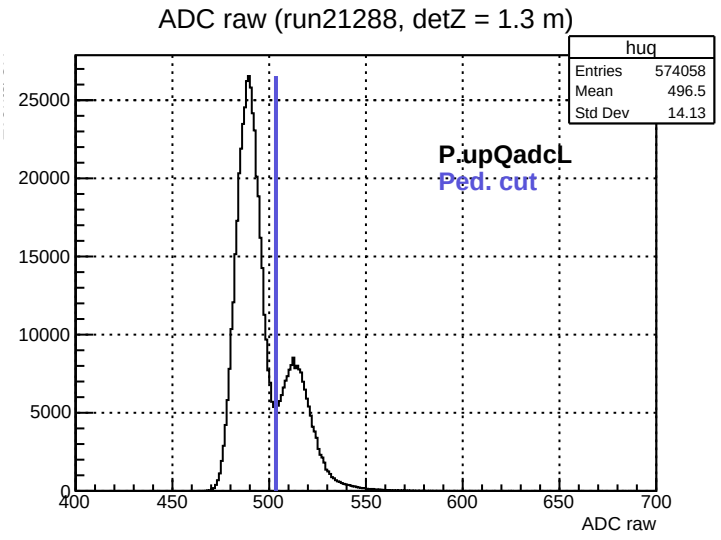

θlab (deg), yhiCut = 0.032 m
Theta
Entries 124997
Mean 4.773
Std Dev 0.4923
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

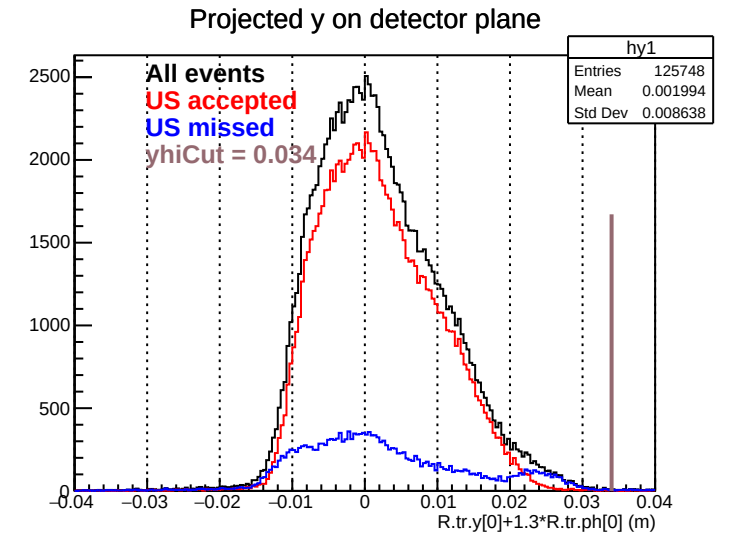

Asymmetry (ppm), yhiCut = 0.032 m
Asym
Entries 124997
Mean 0.5669
Std Dev 0.08733
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

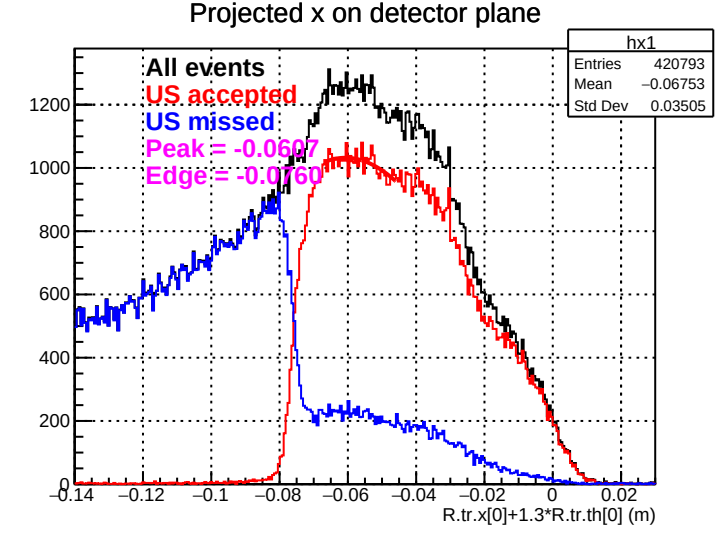

Stretched Asym. (ppm), yhiCut = 0.032 m
SAsym
Entries 124997
Mean 0.5541
Std Dev 0.08327
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

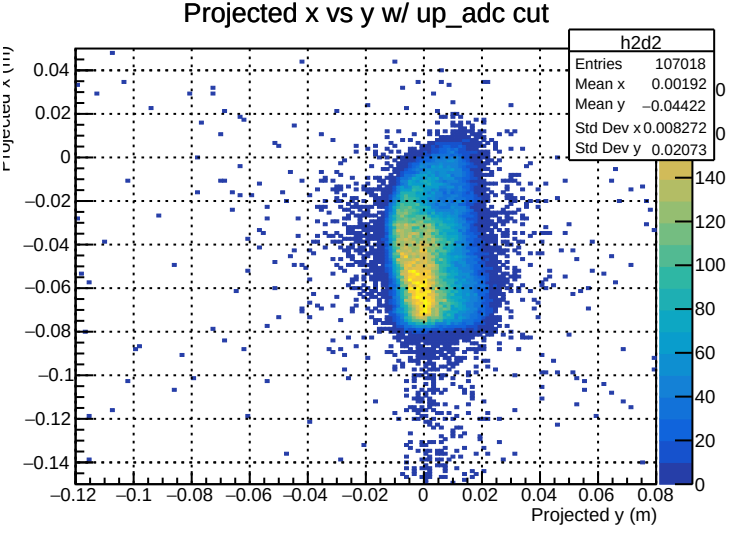

Q^2 (GeV/c)^2, yhiCut = 0.032 m
Q2
Entries 124997
Mean 0.006304
Std Dev 0.001336
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

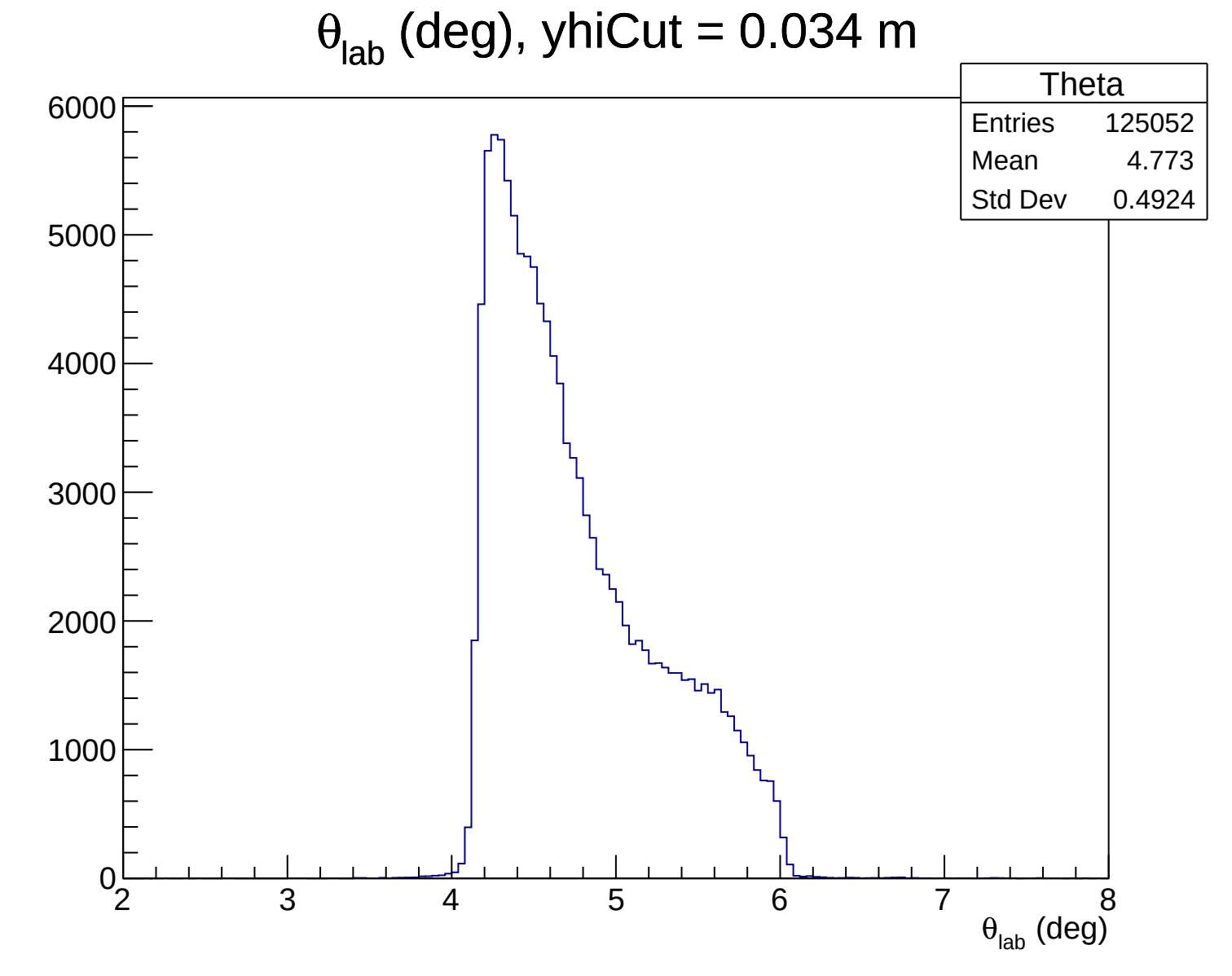

Sensitivity, yhiCut = 0.032 m
sens
Entries 124997
Mean 0.02213
Std Dev 0.004204
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

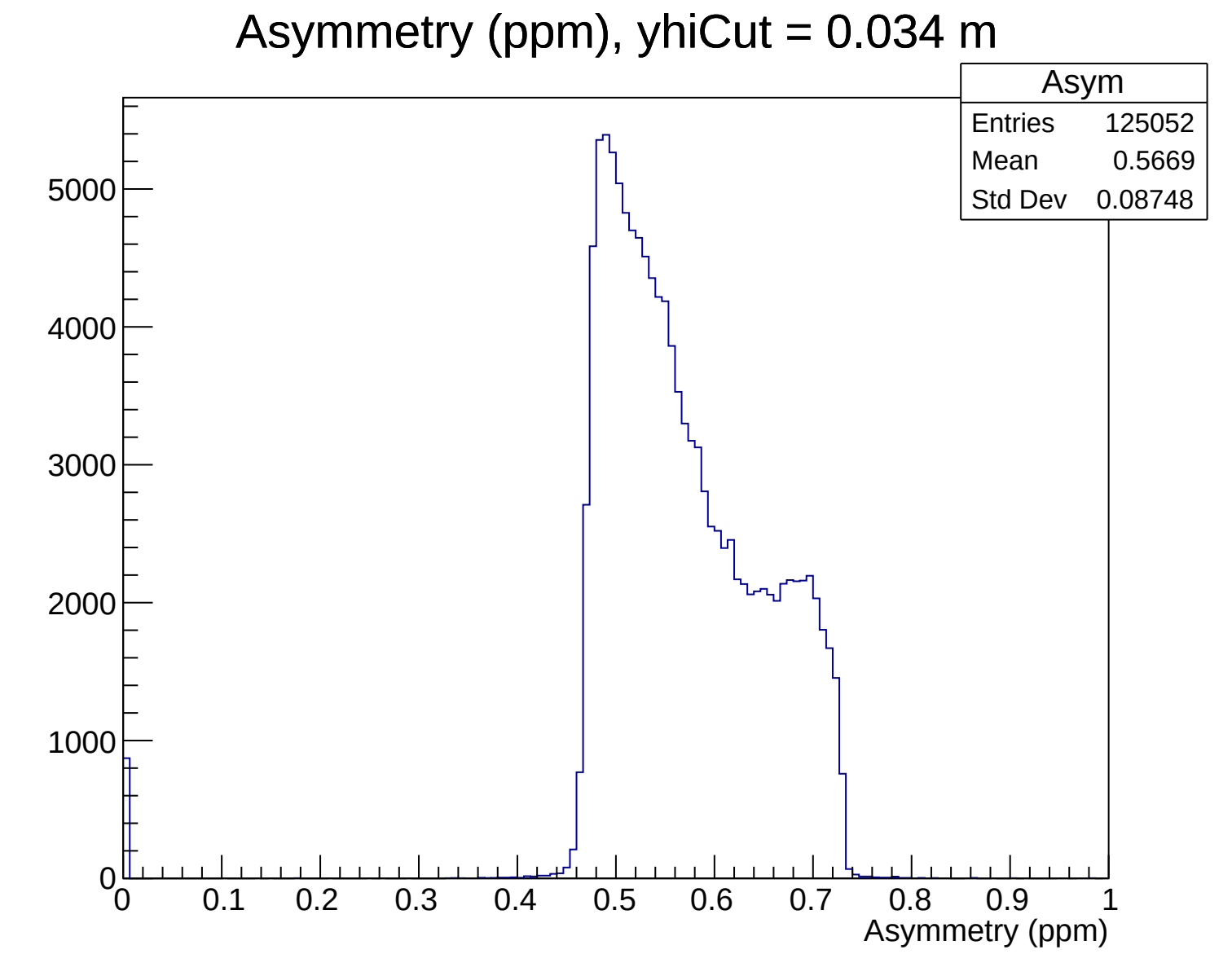

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

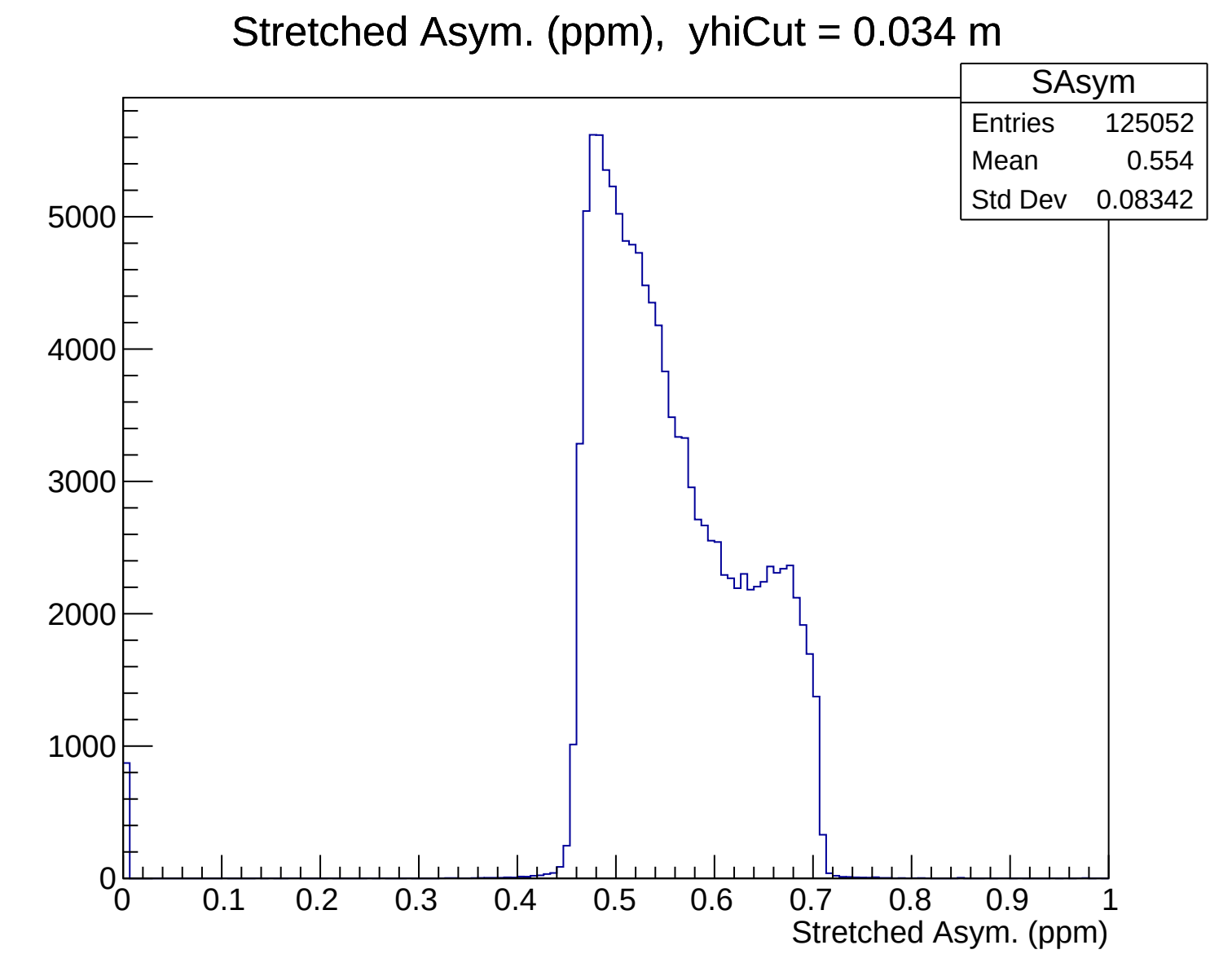

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.034
R.tr.y[0]+1.3*R.tr.ph[0] (m)

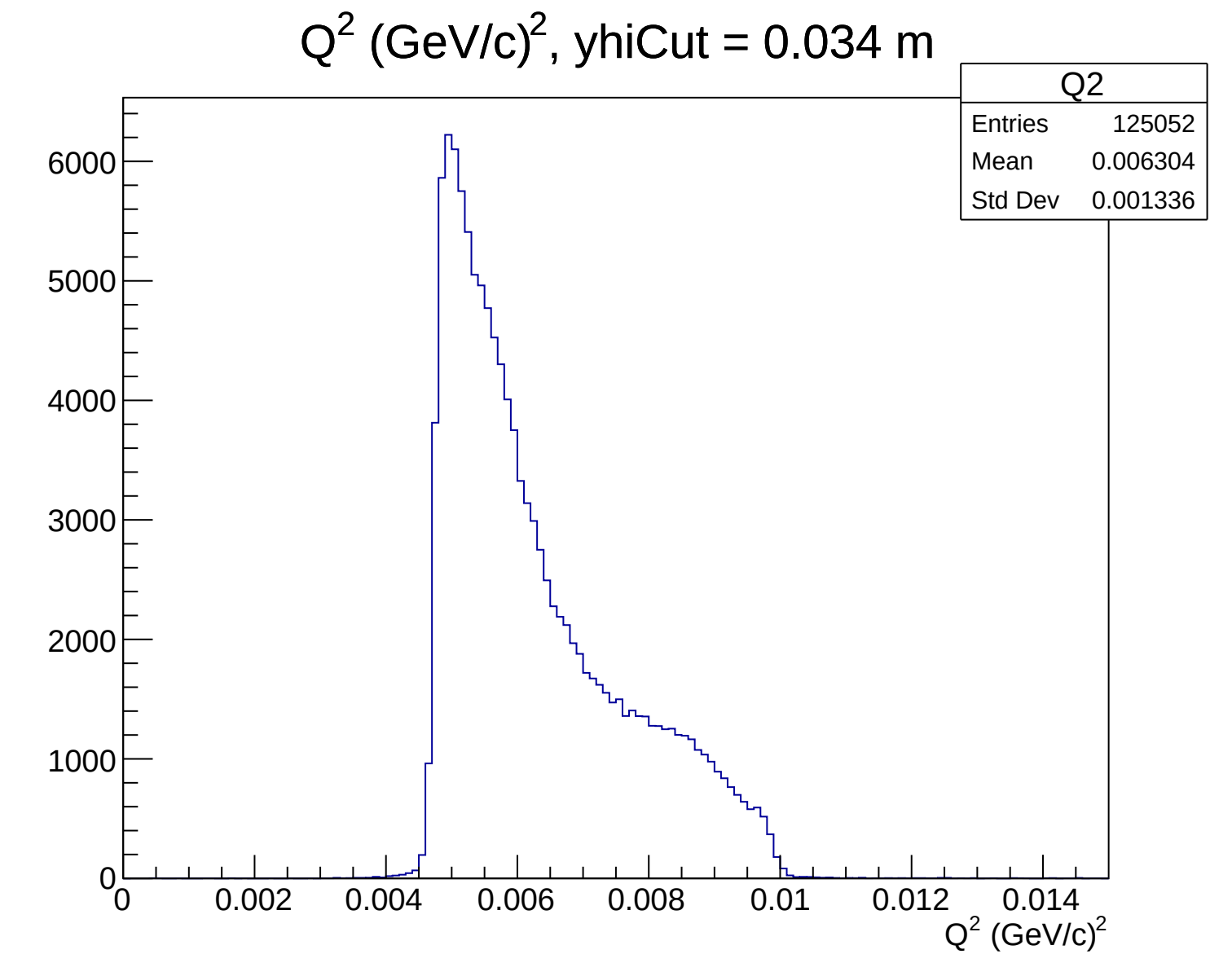

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

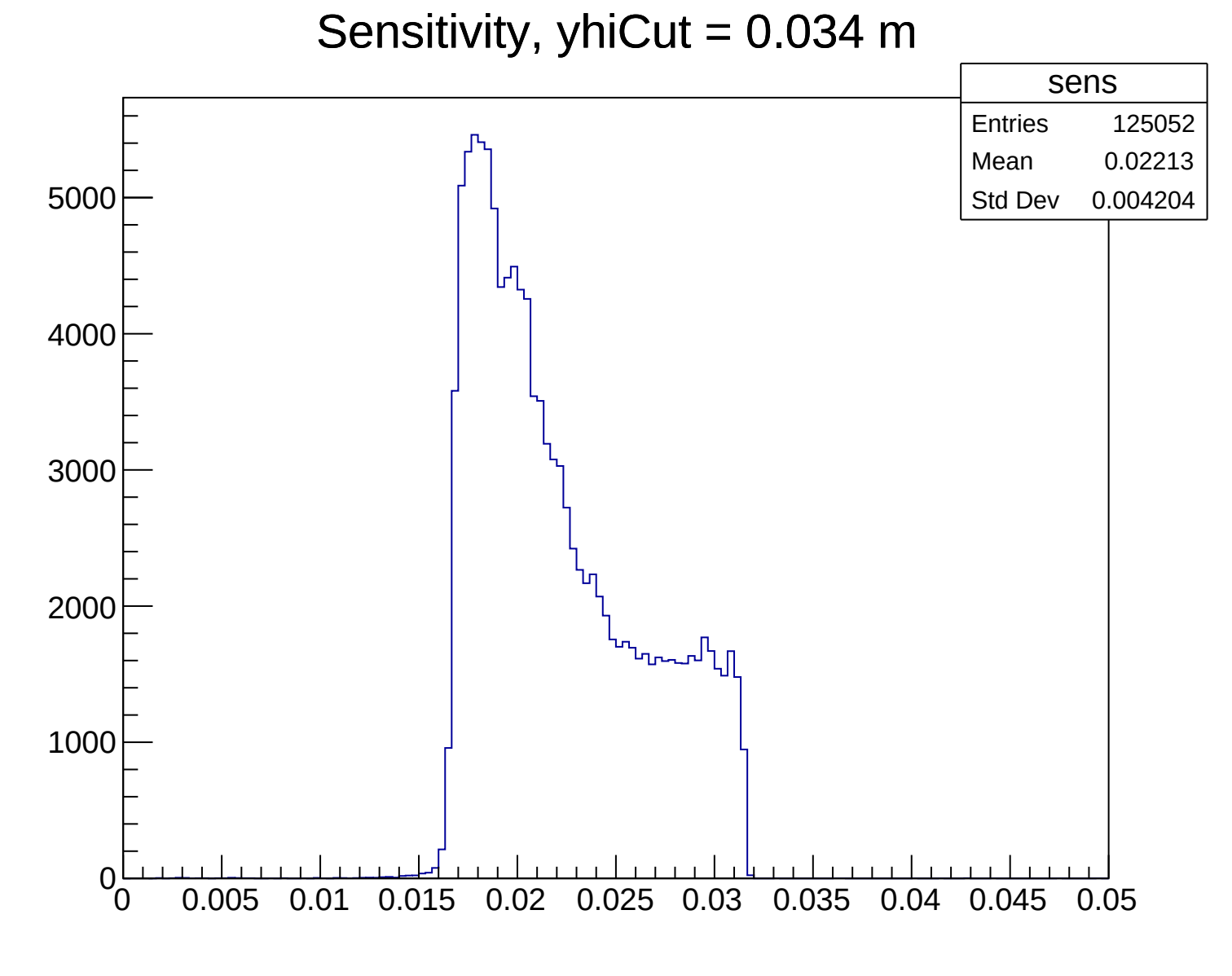

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

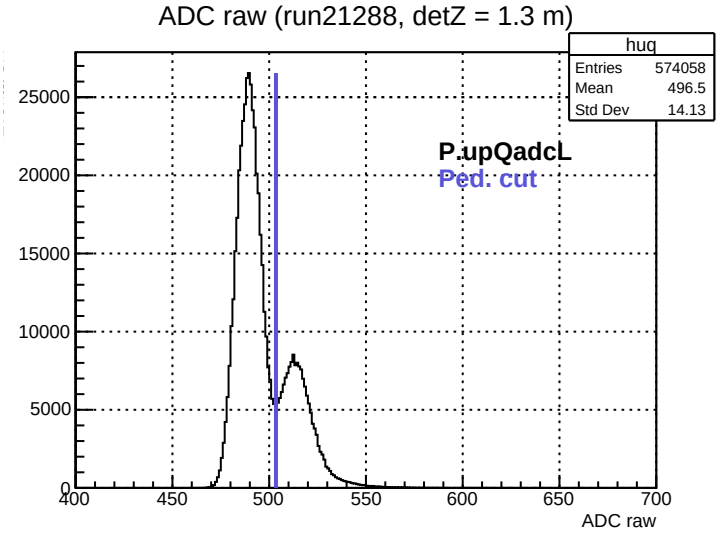

θlab (deg), yhiCut = 0.034 m
Theta
Entries 125052
Mean 4.773
Std Dev 0.4924
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

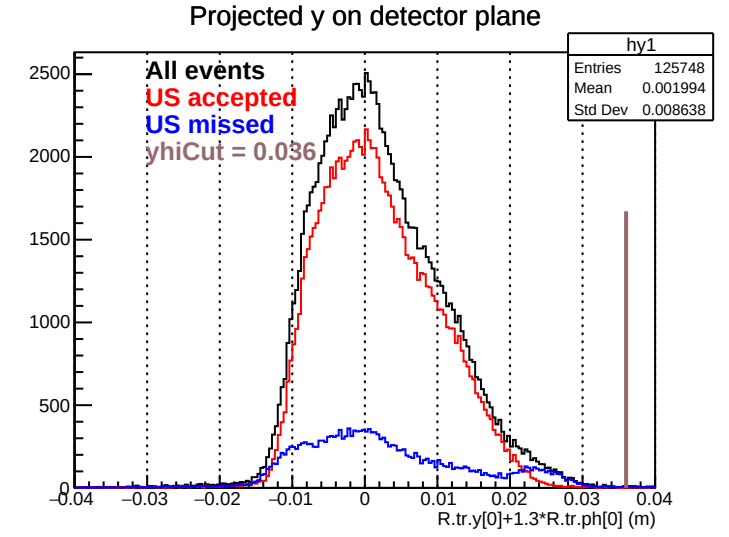

Asymmetry (ppm), yhiCut = 0.034 m
Asym
Entries 125052
Mean 0.5669
Std Dev 0.08748
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

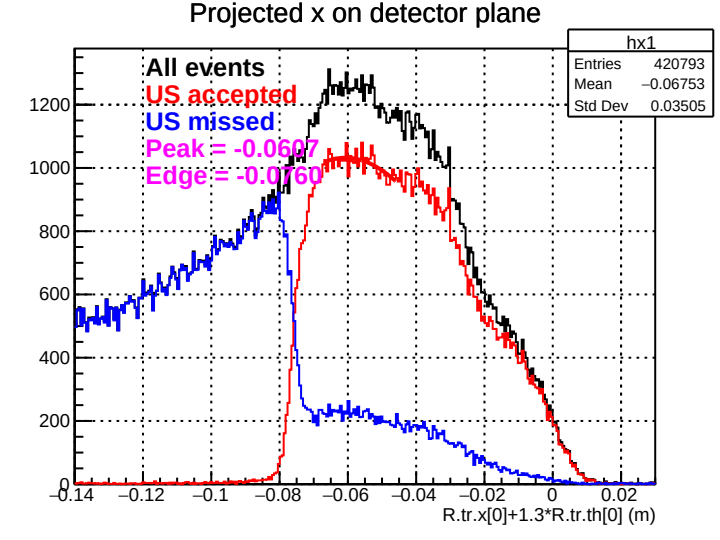

Stretched Asym. (ppm), yhiCut = 0.034 m
SAsym
Entries 125052
Mean 0.554
Std Dev 0.08342
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

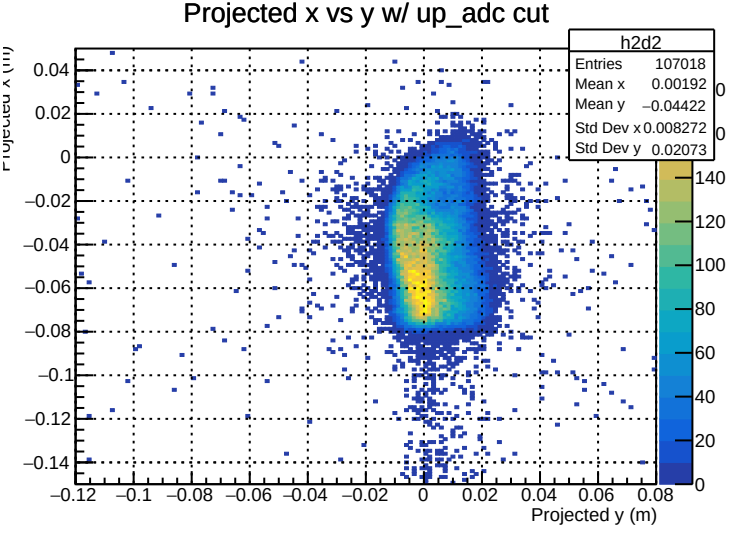

Q^2 (GeV/c)^2, yhiCut = 0.034 m
Q2
Entries 125052
Mean 0.006304
Std Dev 0.001336
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

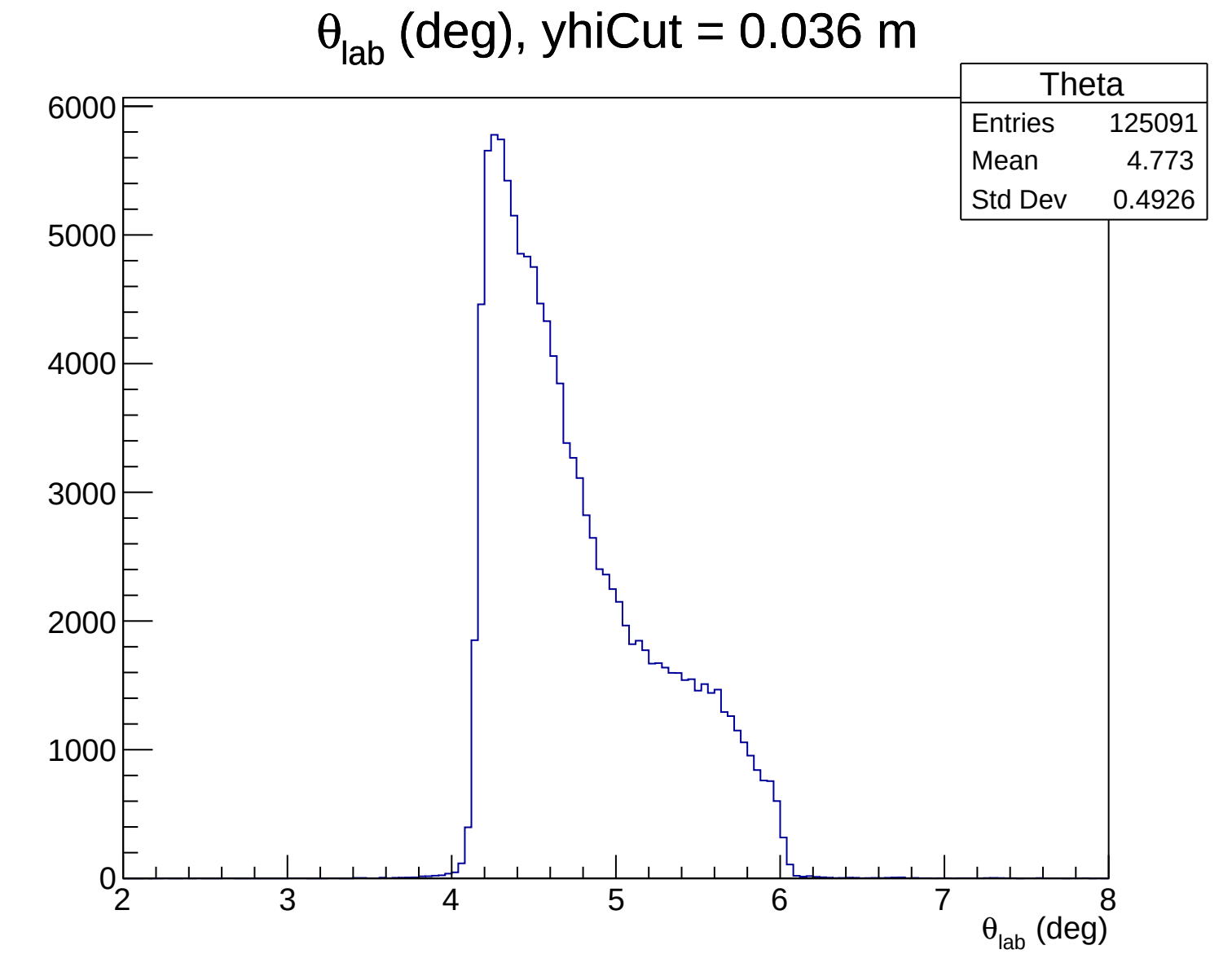

Sensitivity, yhiCut = 0.034 m
sens
Entries 125052
Mean 0.02213
Std Dev 0.004204
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

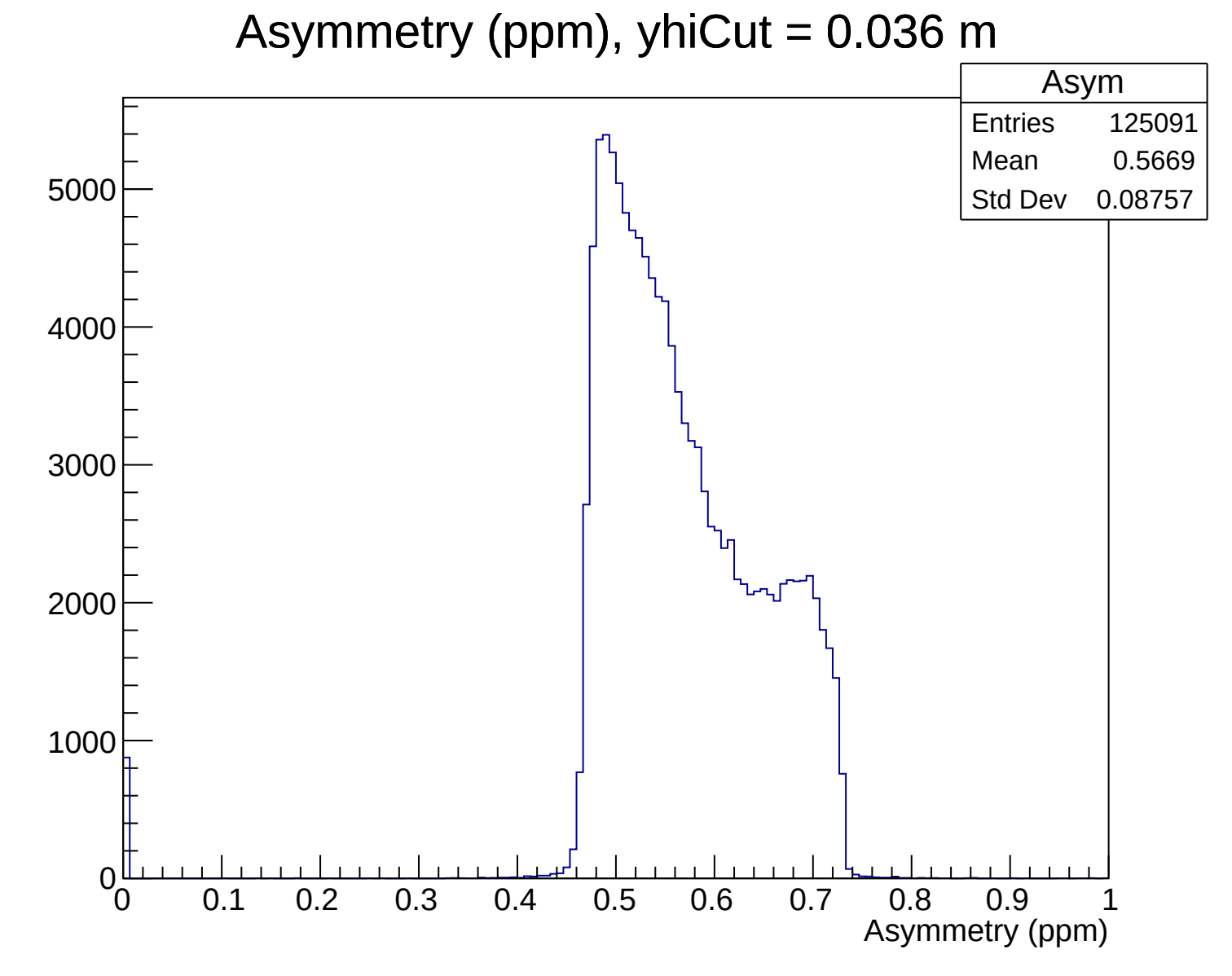

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

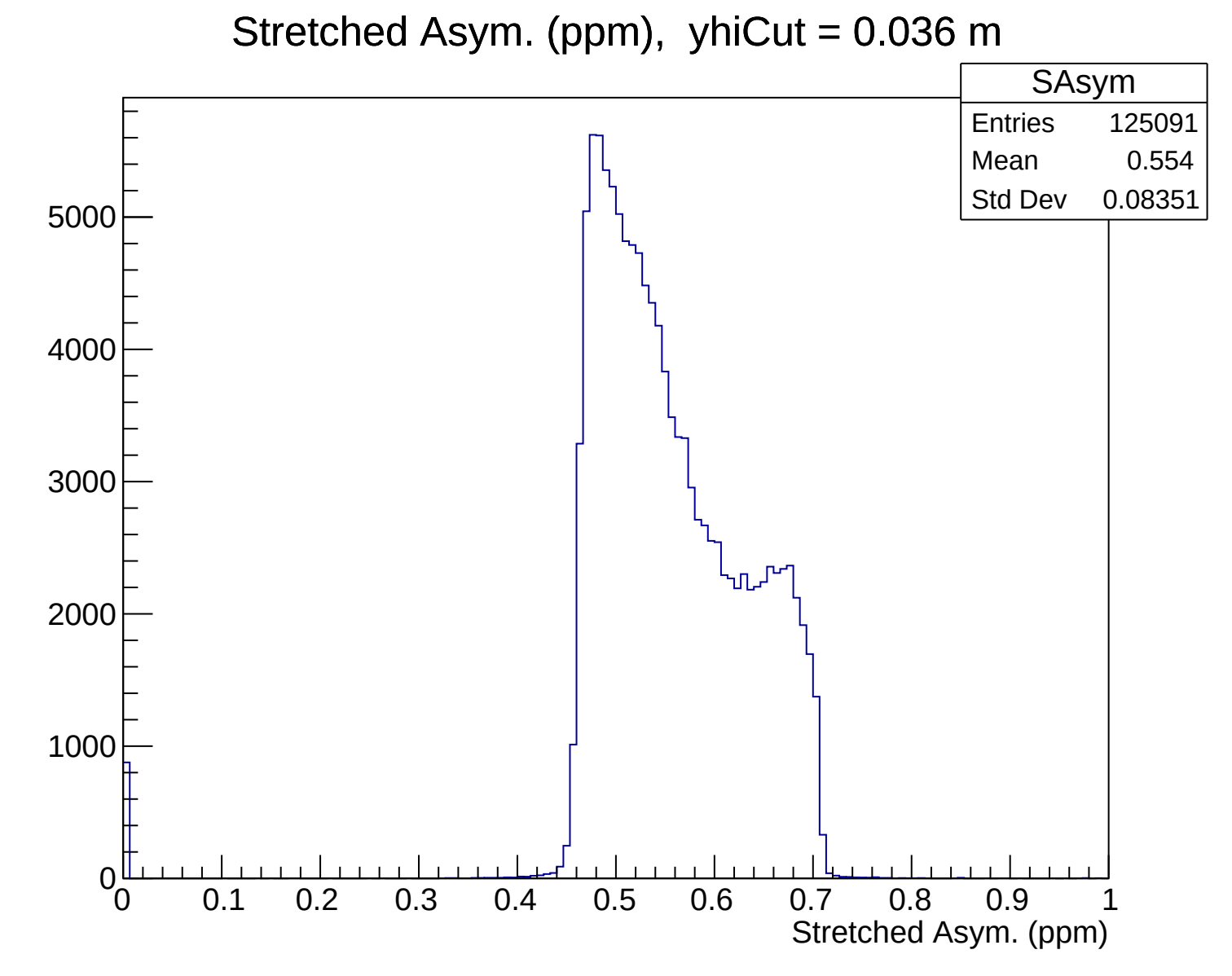

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.036
R.tr.y[0]+1.3*R.tr.ph[0] (m)

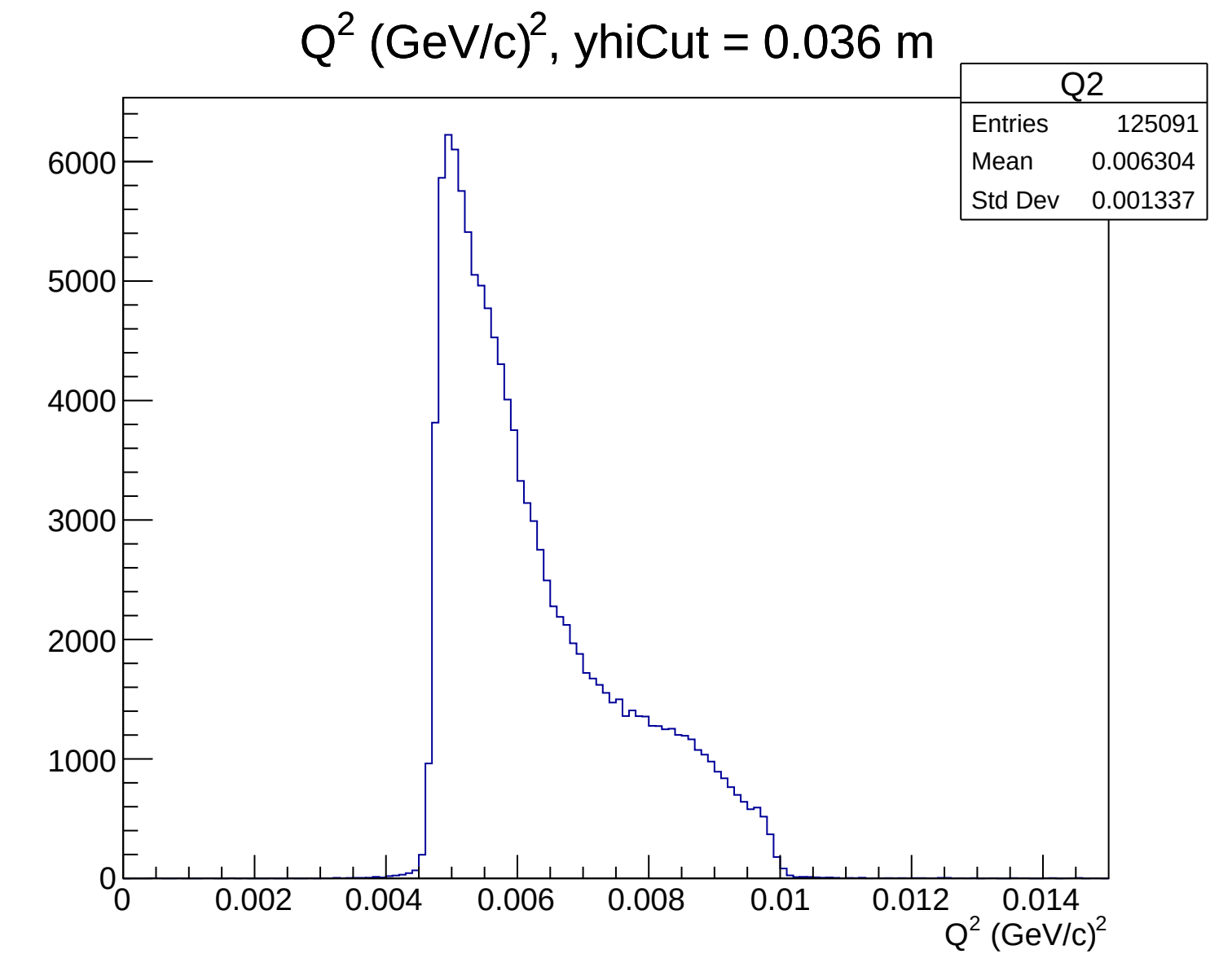

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

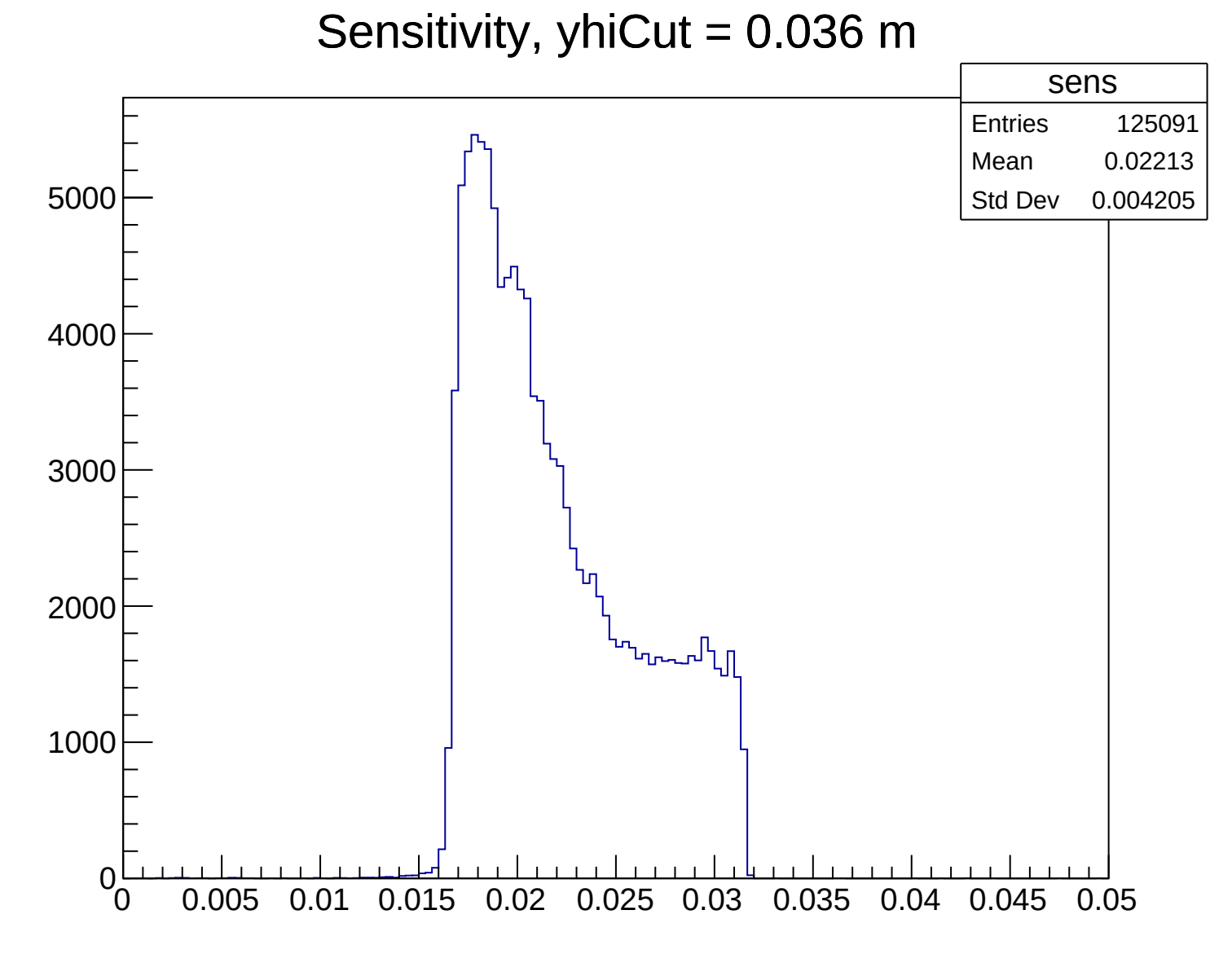

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

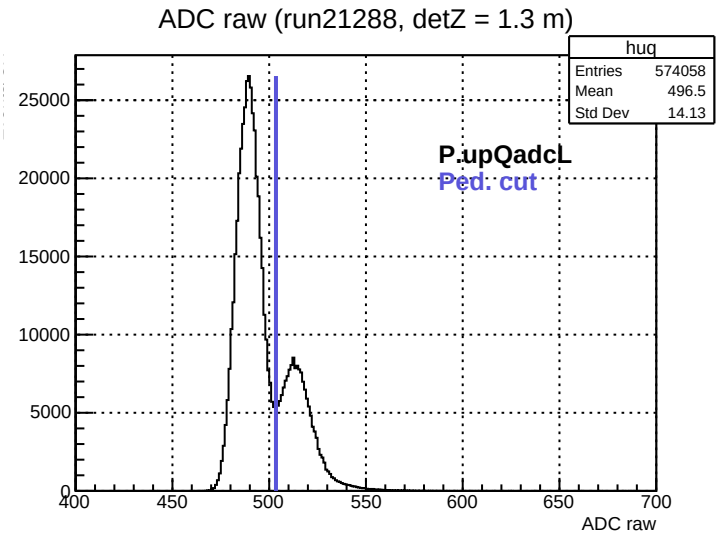

θlab (deg), yhiCut = 0.036 m
Theta
Entries 125091
Mean 4.773
Std Dev 0.4926
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

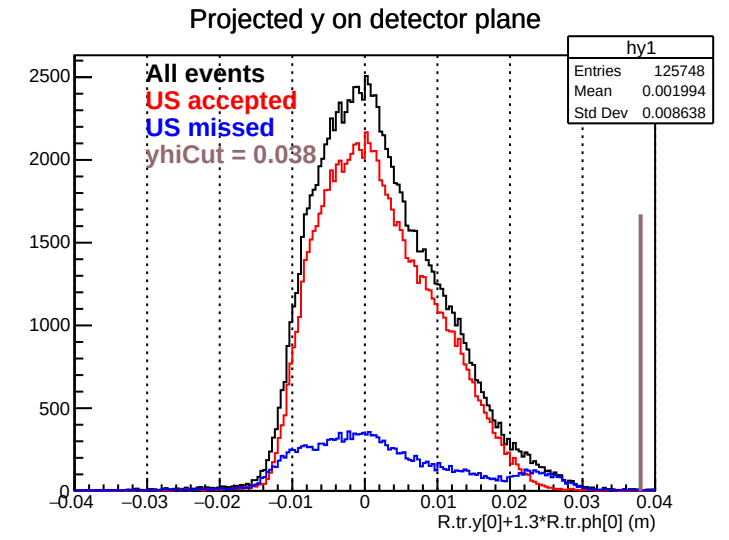

Asymmetry (ppm), yhiCut = 0.036 m
Asym
Entries 125091
Mean 0.5669
Std Dev 0.08757
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

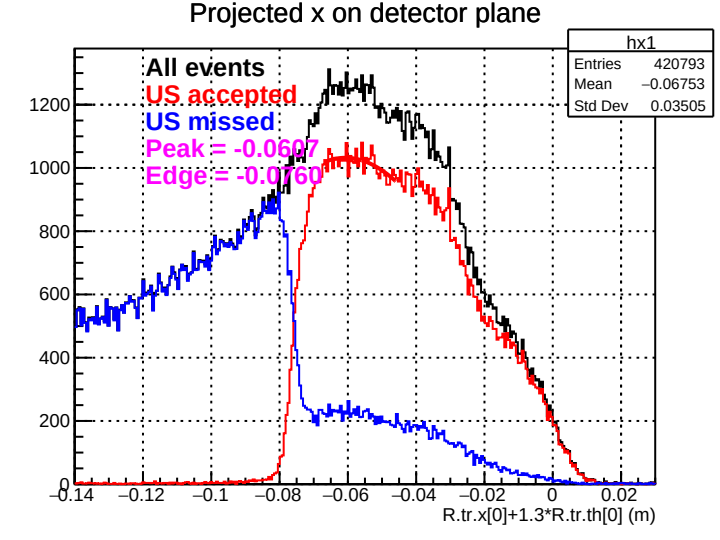

Stretched Asym. (ppm), yhiCut = 0.036 m
SAsym
Entries 125091
Mean 0.554
Std Dev 0.08351
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

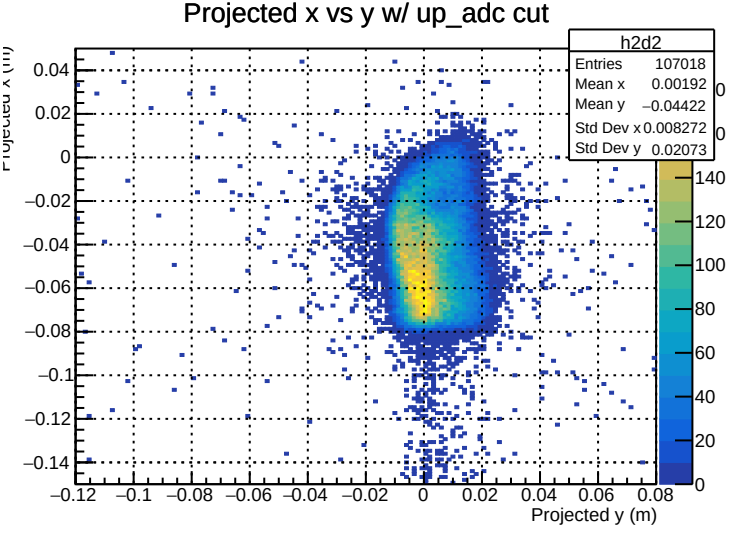

Q^2 (GeV/c)^2, yhiCut = 0.036 m
Q2
Entries 125091
Mean 0.006304
Std Dev 0.001337
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

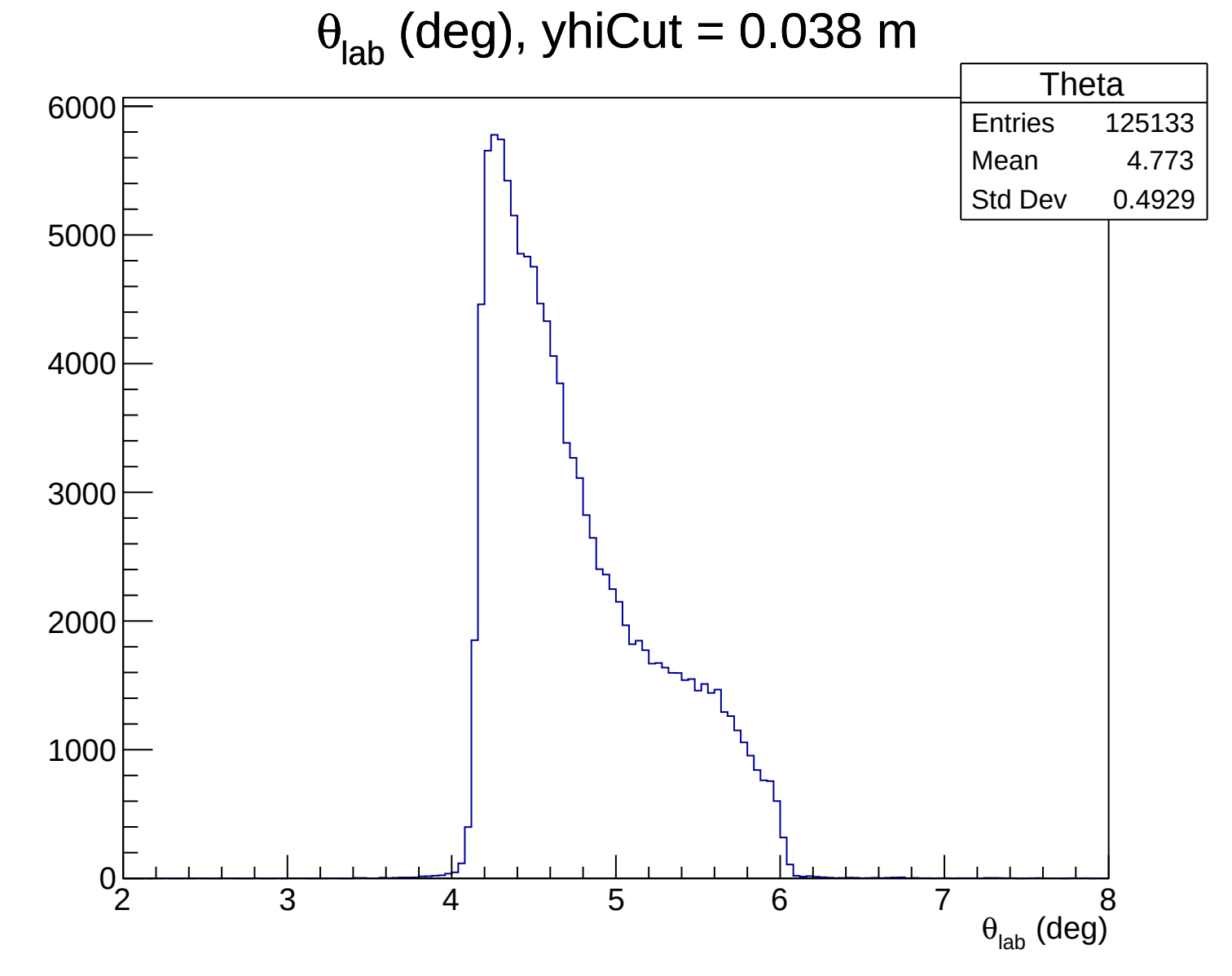

Sensitivity, yhiCut = 0.036 m
sens
Entries 125091
Mean 0.02213
Std Dev 0.004205
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

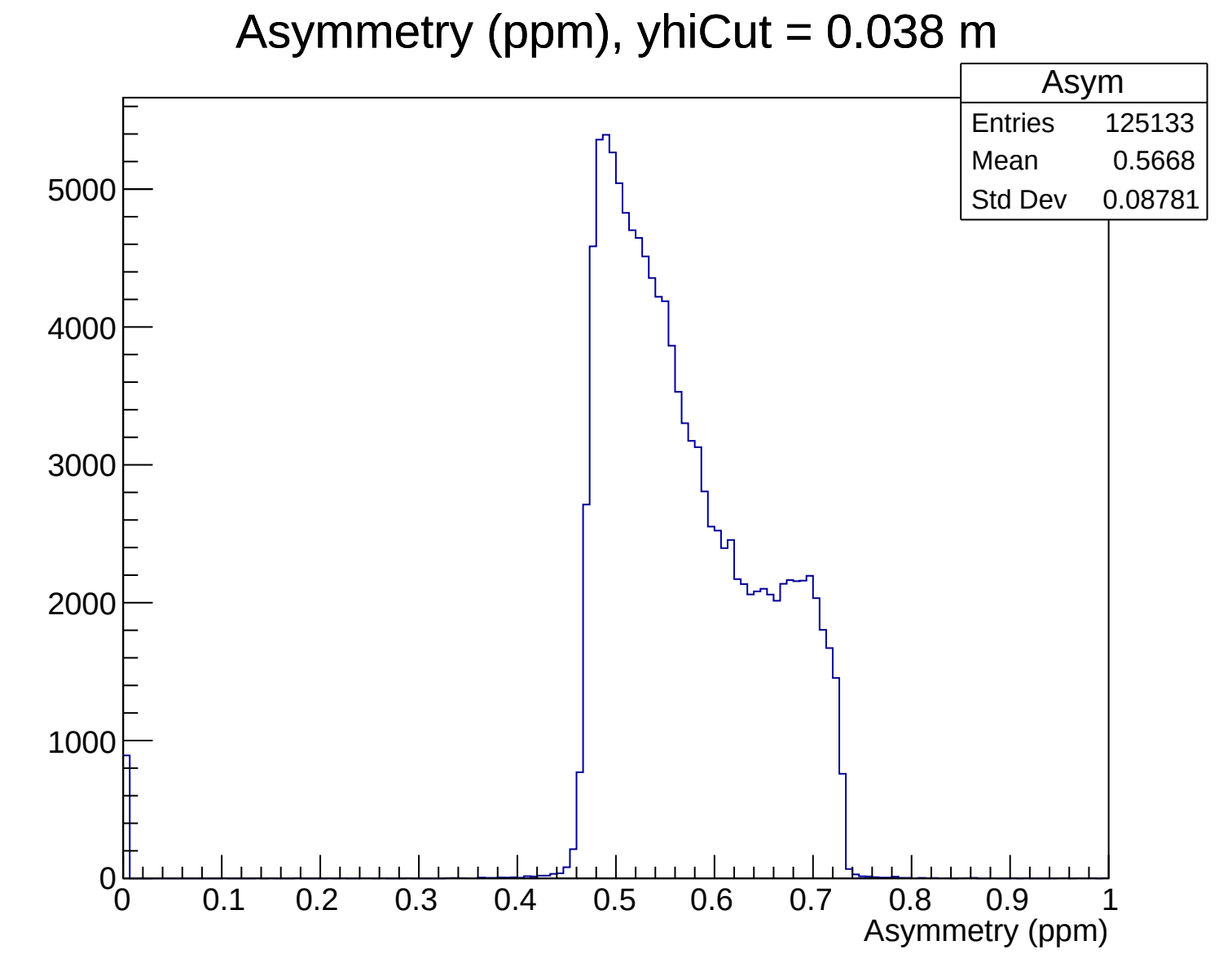

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

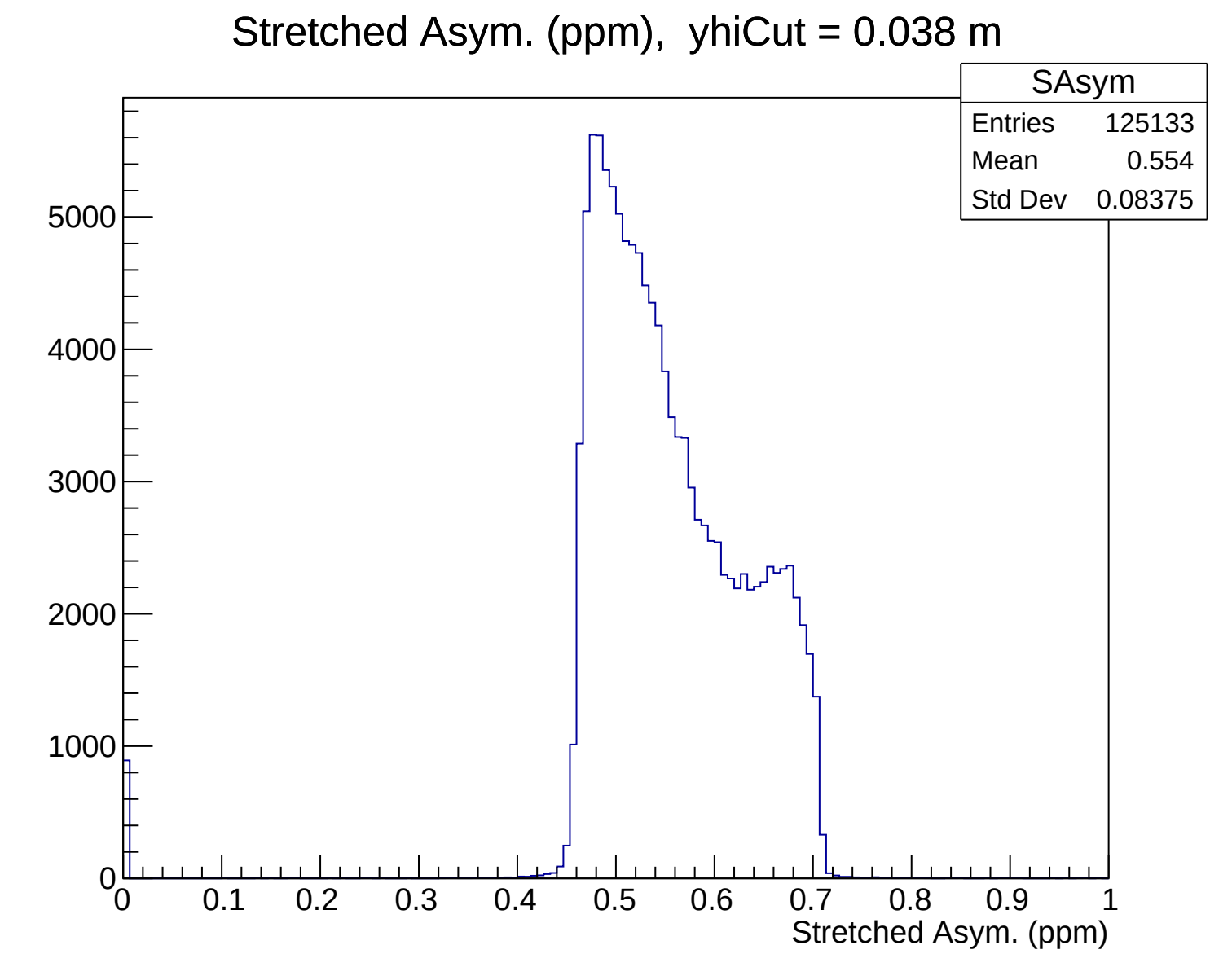

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.038
R.tr.y[0]+1.3*R.tr.ph[0] (m)

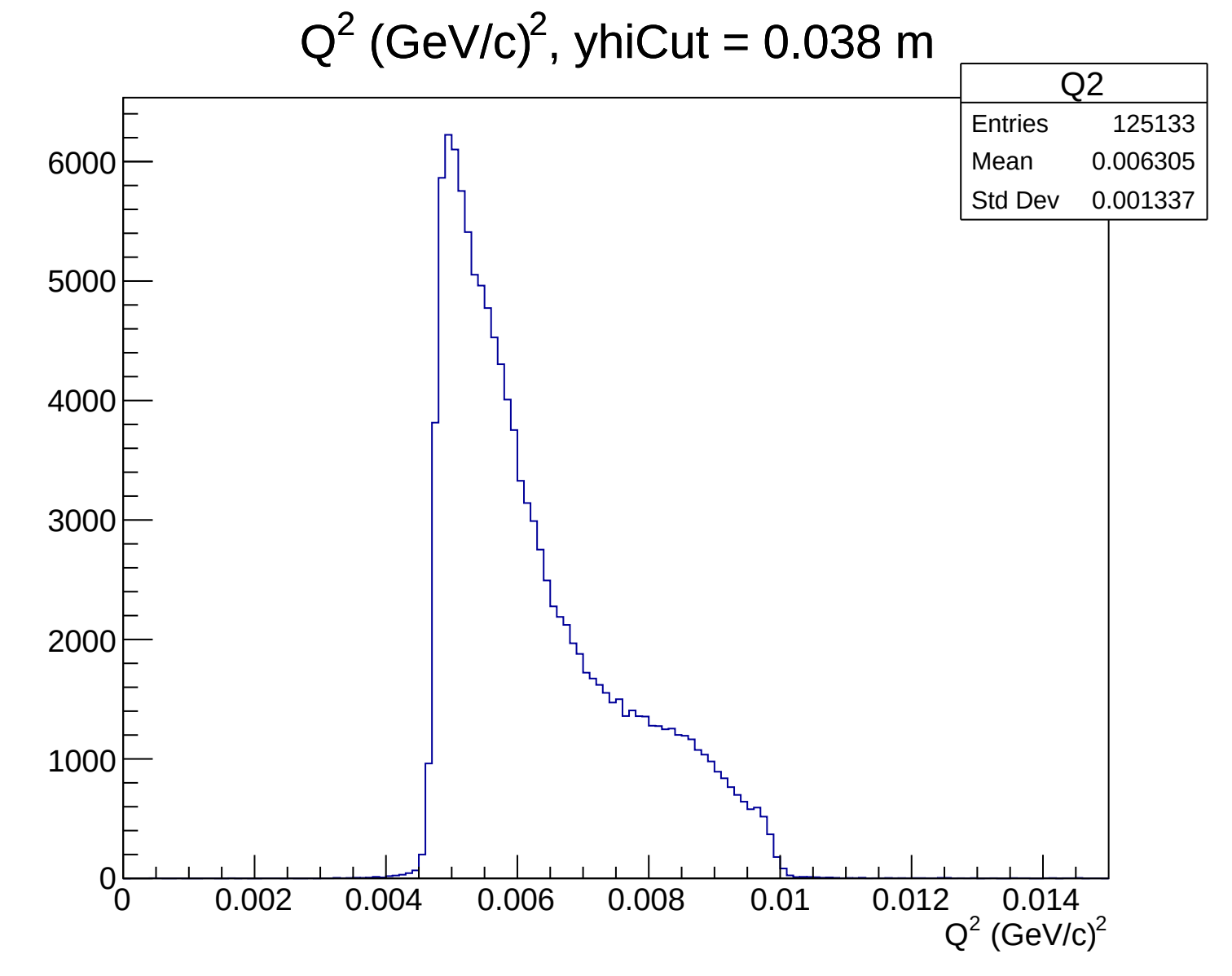

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

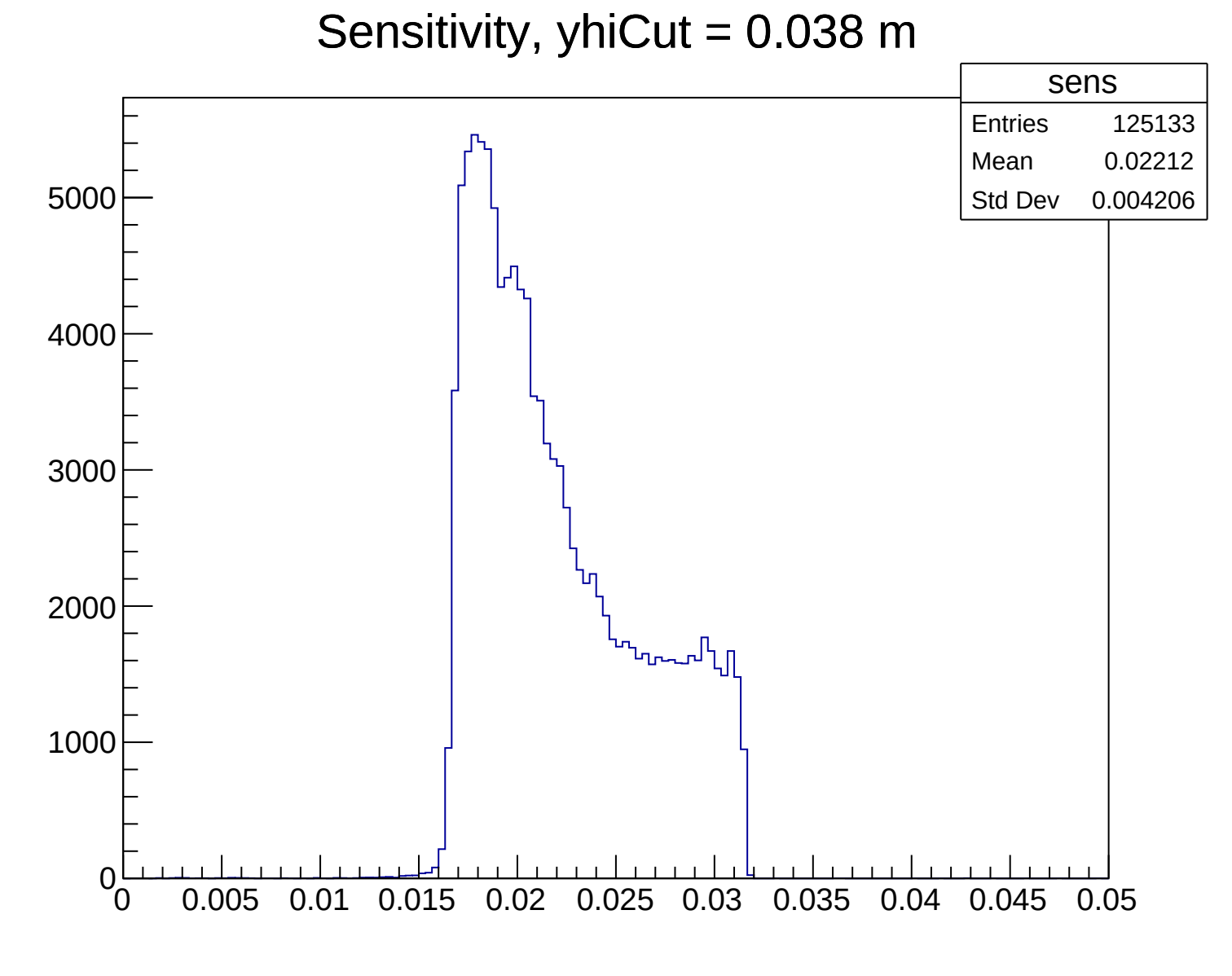

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

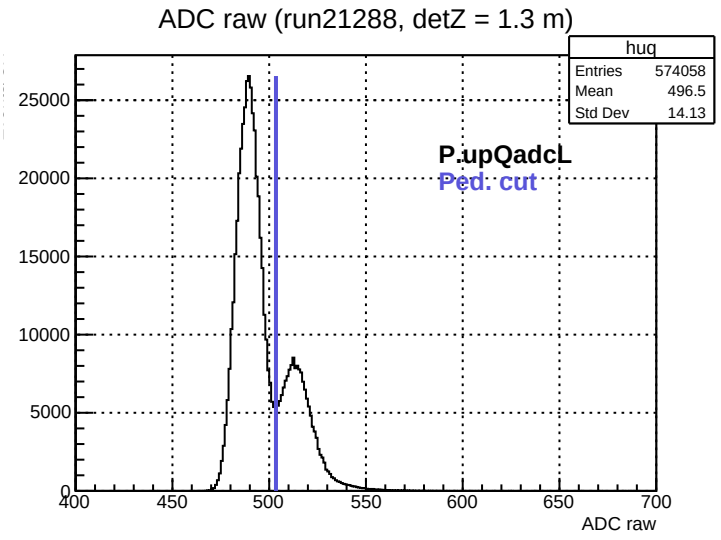

θlab (deg), yhiCut = 0.038 m
Theta
Entries 125133
Mean 4.773
Std Dev 0.4929
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

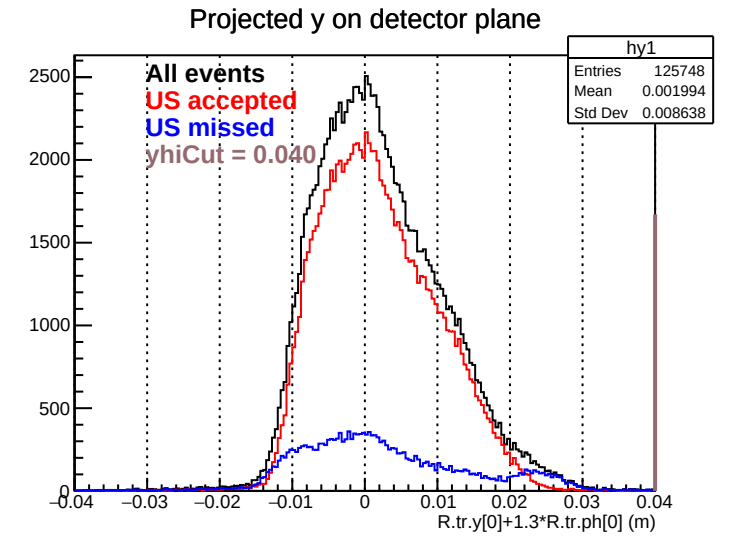

Asymmetry (ppm), yhiCut = 0.038 m
Asym
Entries 125133
Mean 0.5668
Std Dev 0.08781
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

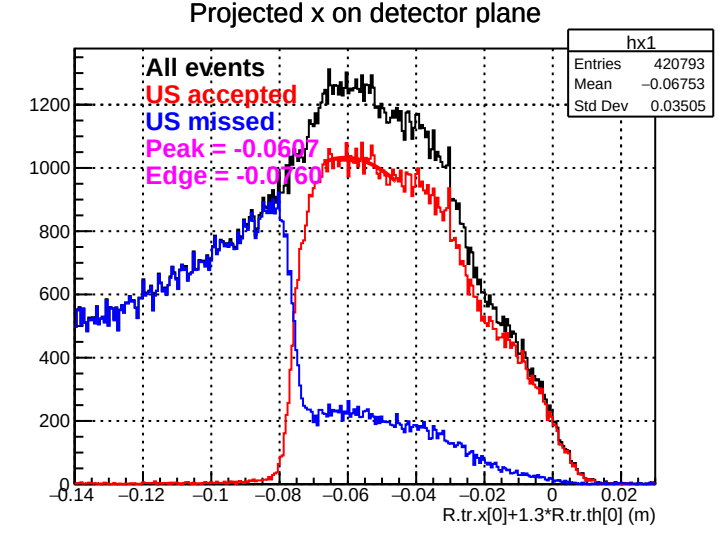

Stretched Asym. (ppm), yhiCut = 0.038 m
SAsym
Entries 125133
Mean 0.554
Std Dev 0.08375
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

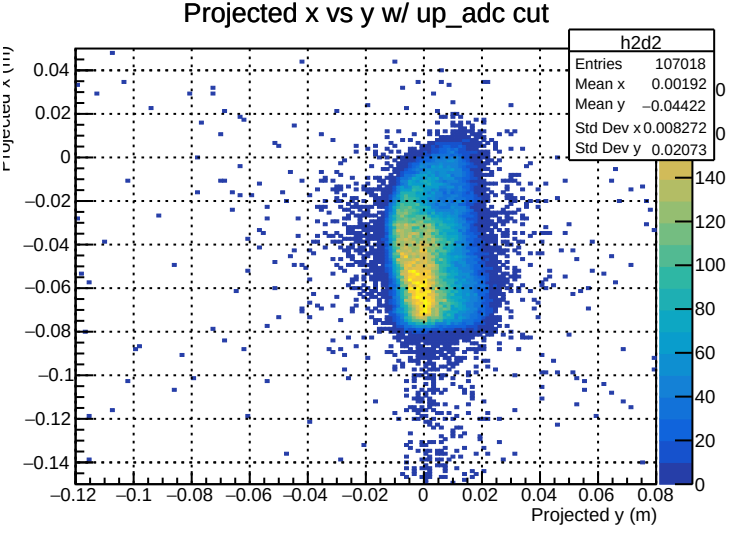

Q^2 (GeV/c)^2, yhiCut = 0.038 m
Q2
Entries 125133
Mean 0.006305
Std Dev 0.001337
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

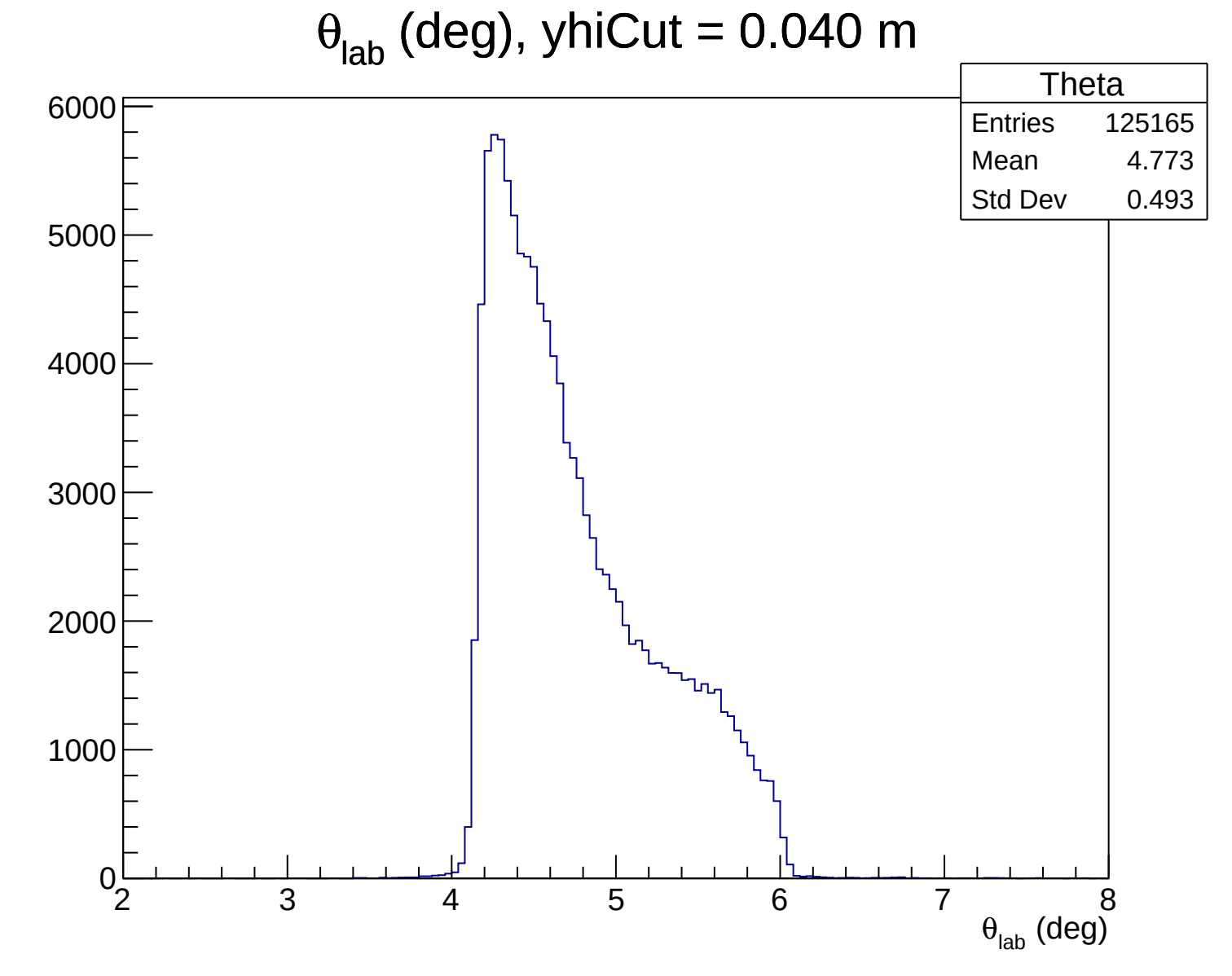

Sensitivity, yhiCut = 0.038 m
sens
Entries 125133
Mean 0.02212
Std Dev 0.004206
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

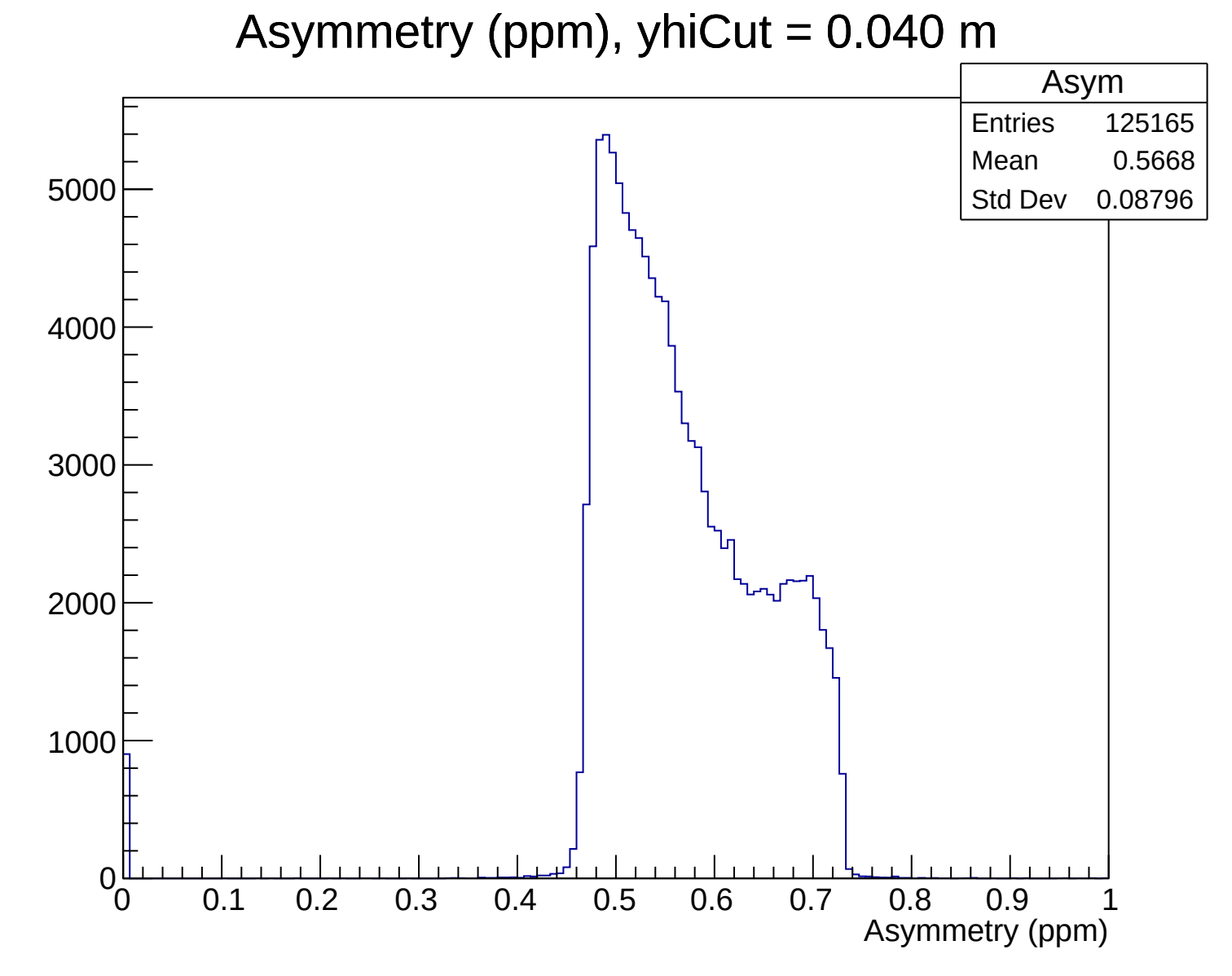

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcL
Ped. cut
ADC raw

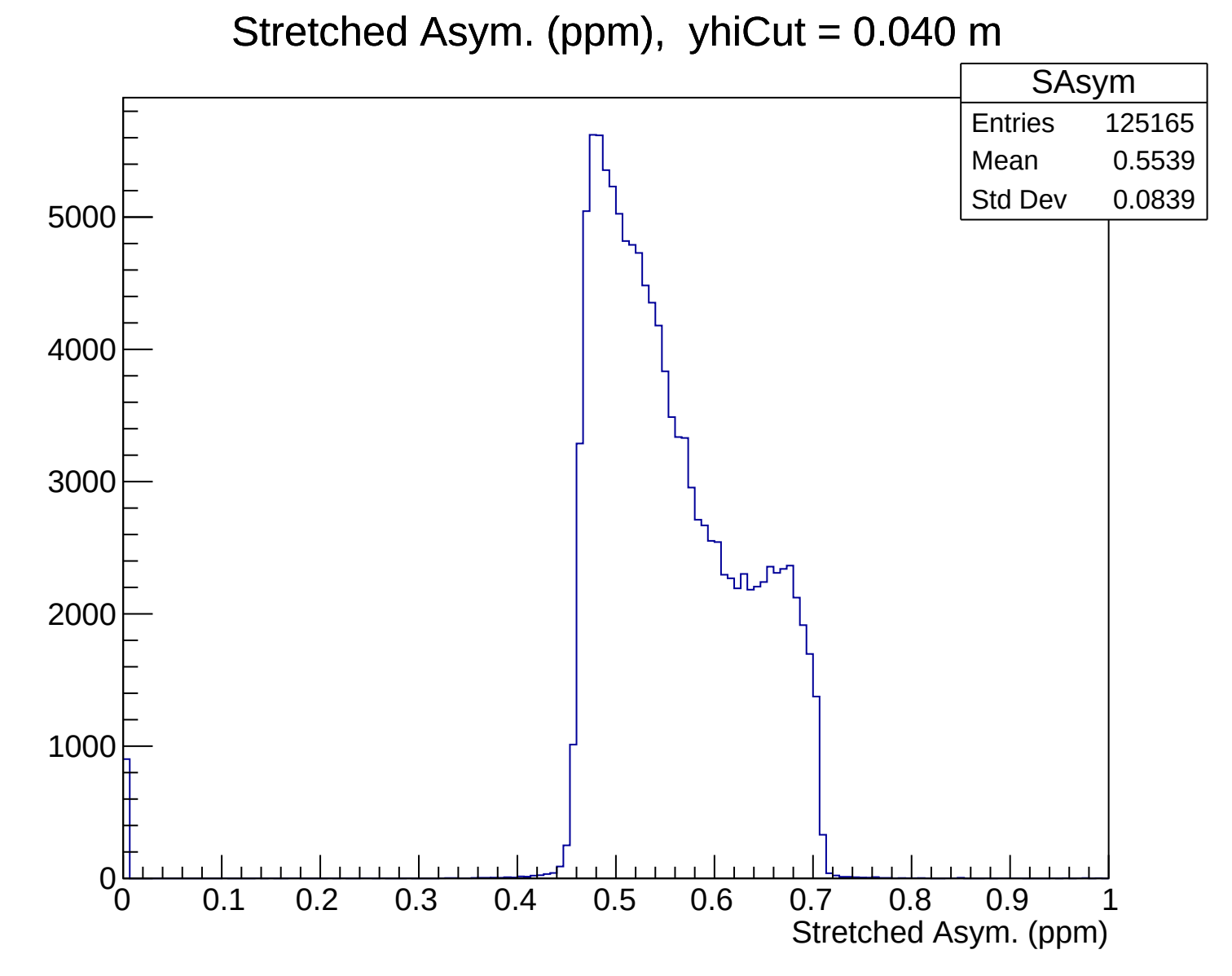

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
yhiCut = 0.040
R.tr.y[0]+1.3*R.tr.ph[0] (m)

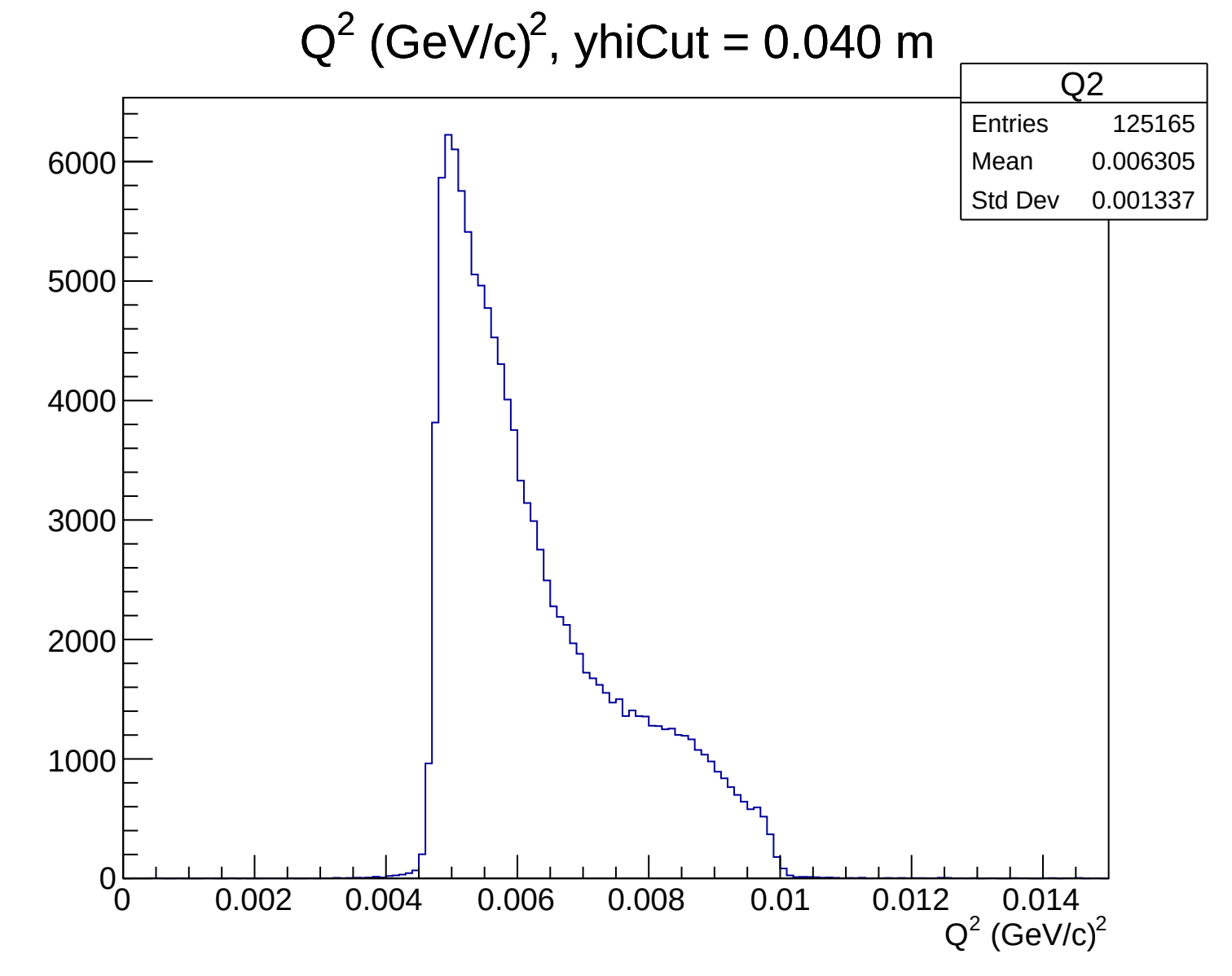

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

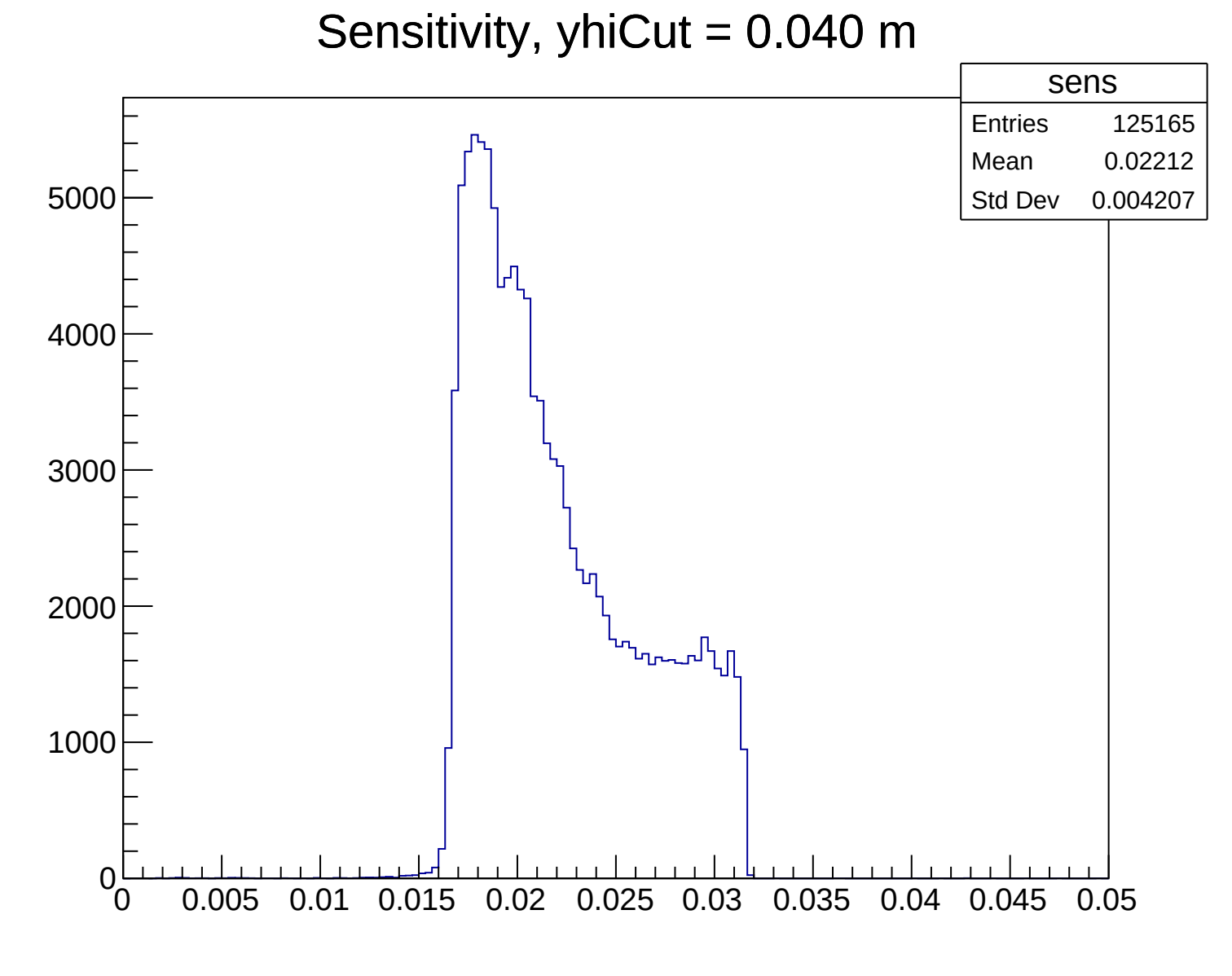

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)


θlab (deg), yhiCut = 0.040 m
Theta
Entries 125165
Mean 4.773
Std Dev 0.493
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), yhiCut = 0.040 m
Asym
Entries 125165
Mean 0.5668
Std Dev 0.08796
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 125165
Mean 0.5539
Std Dev 0.0839
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 125165
Mean 0.006305
Std Dev 0.001337
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 125165
Mean 0.02212
Std Dev 0.004207
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