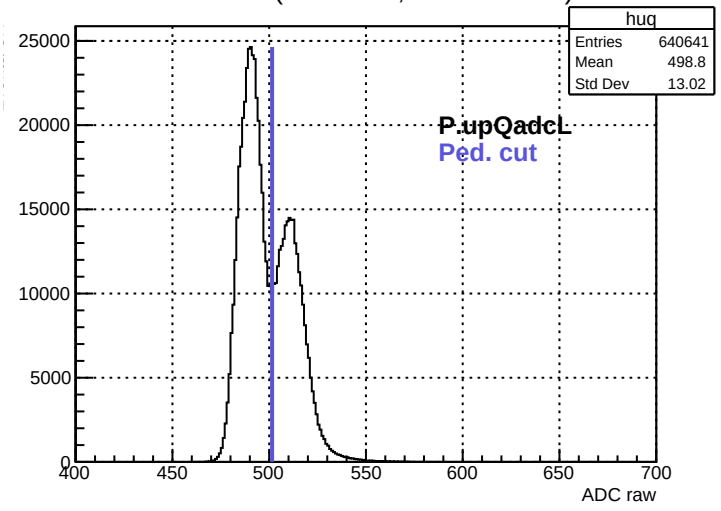
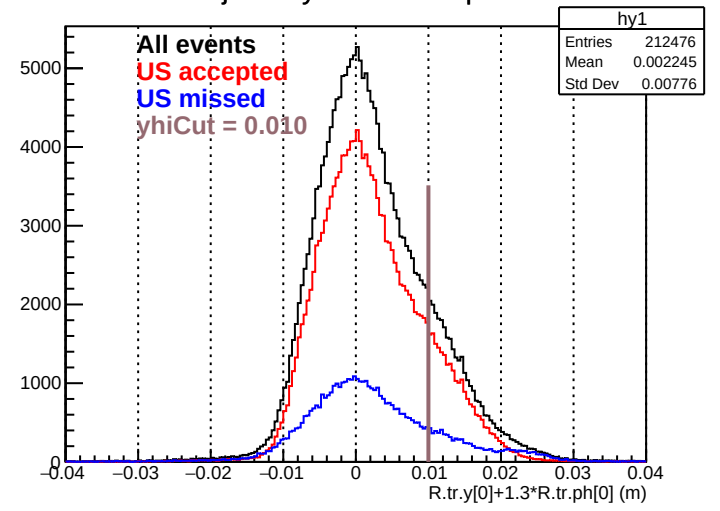
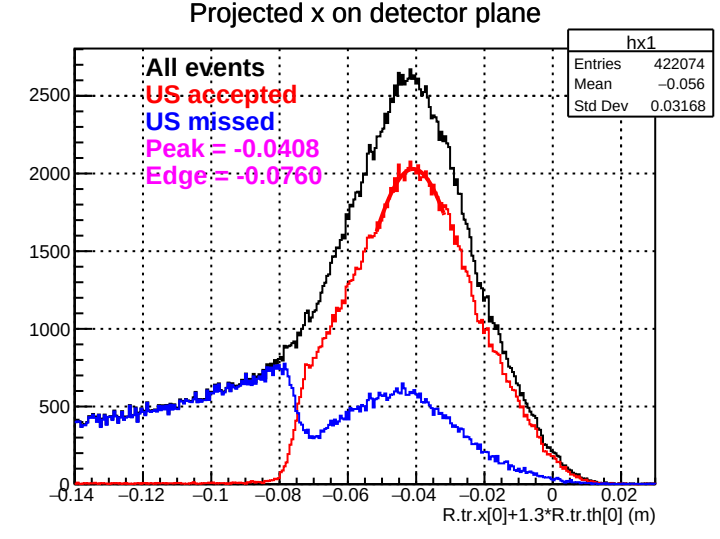
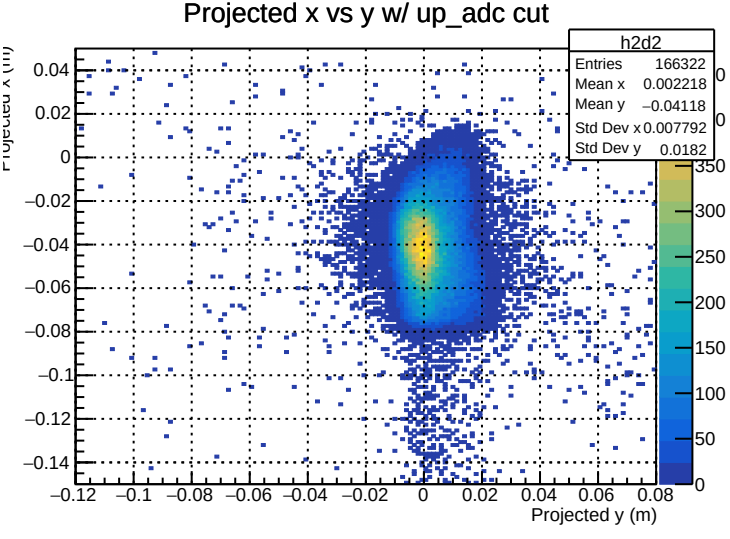
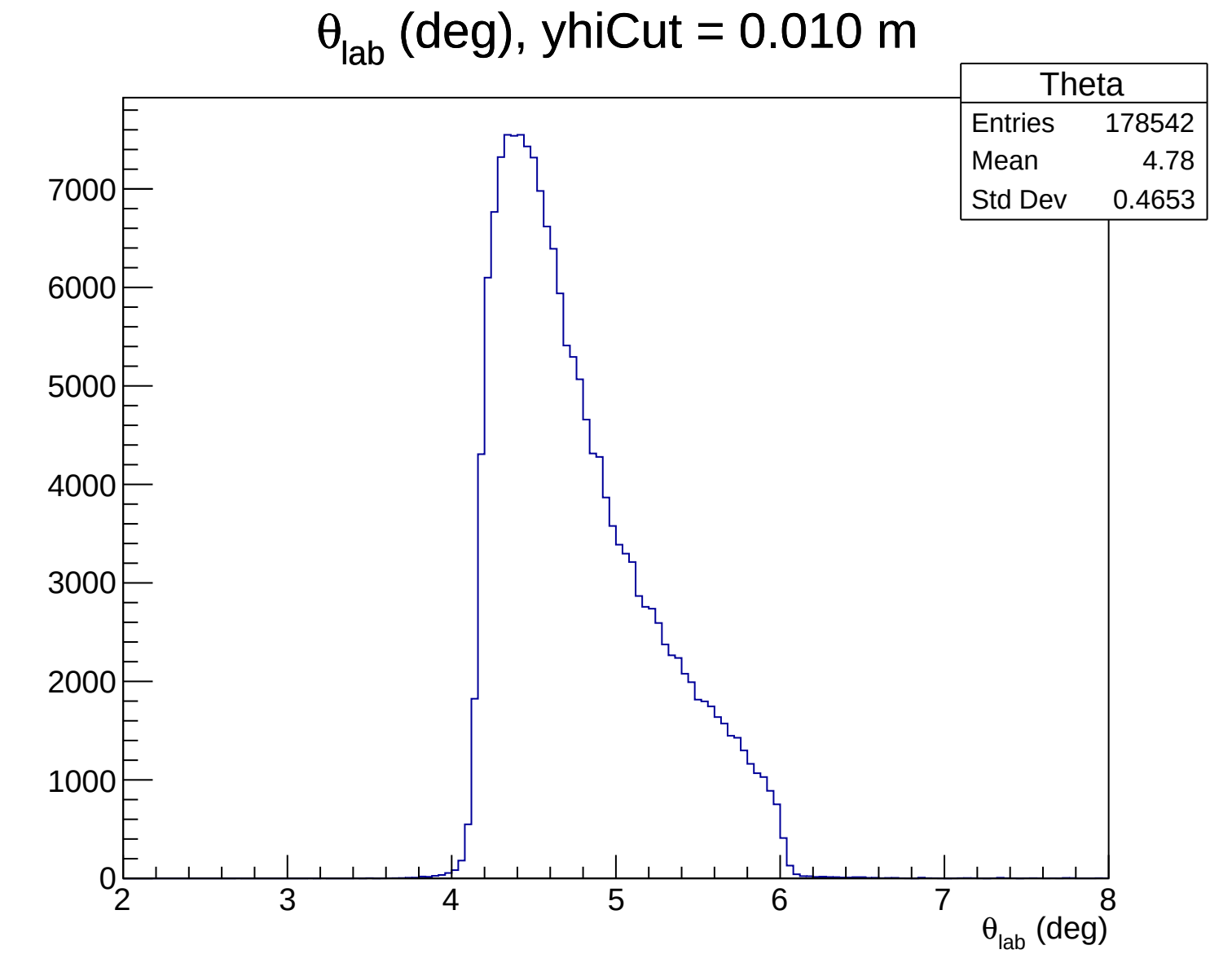
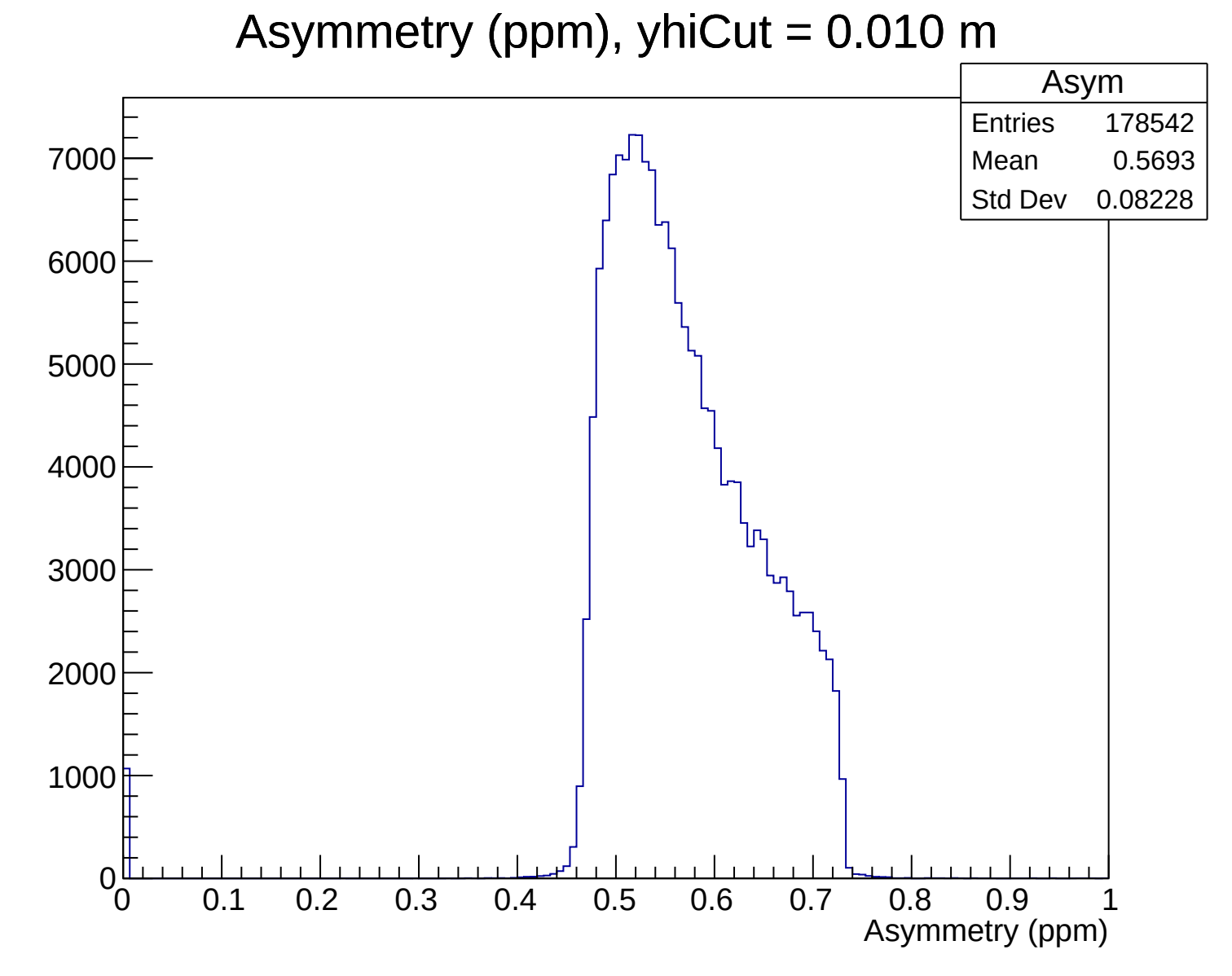

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

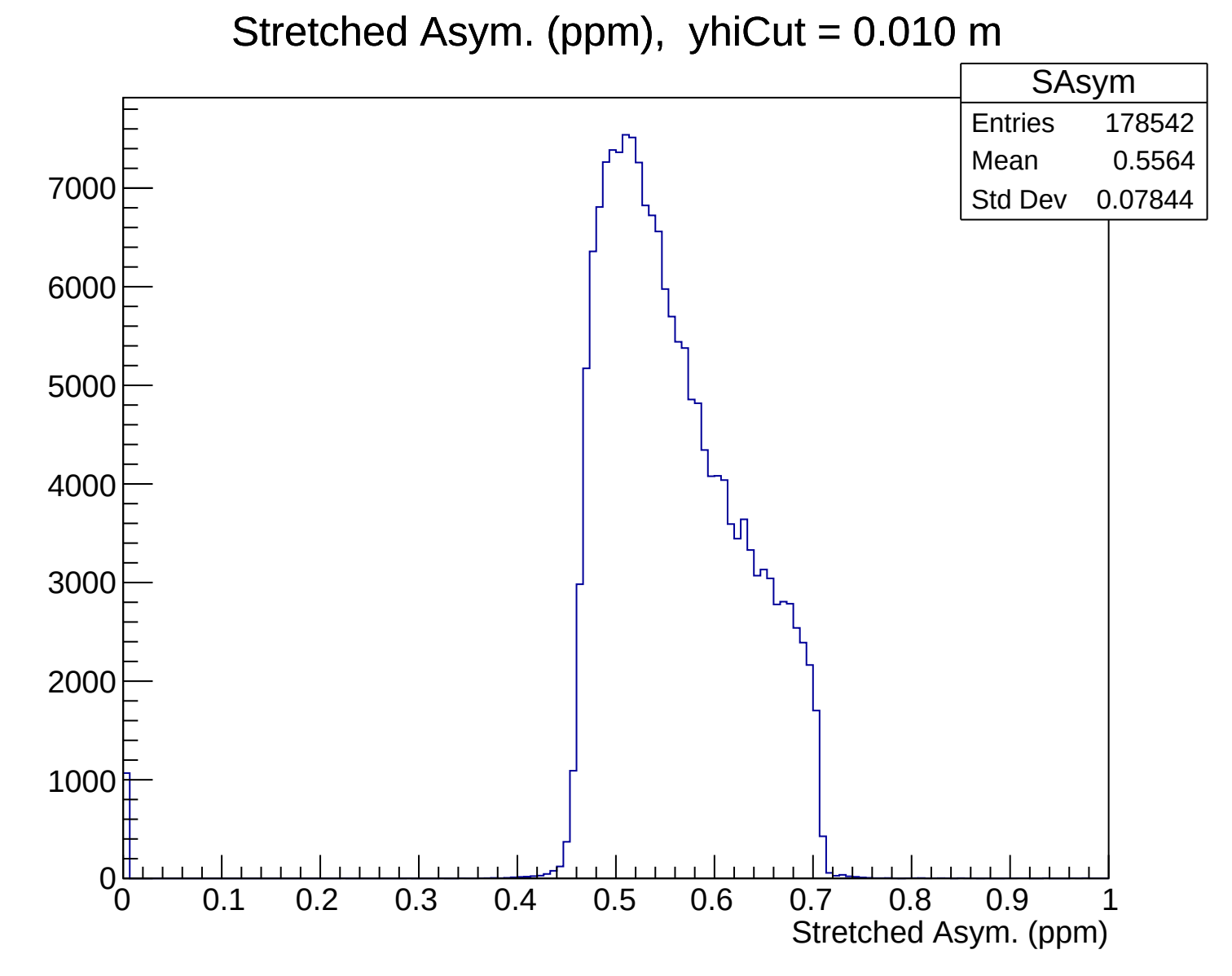

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.010
R.tr.y[0]+1.3*R.tr.ph[0] (m)

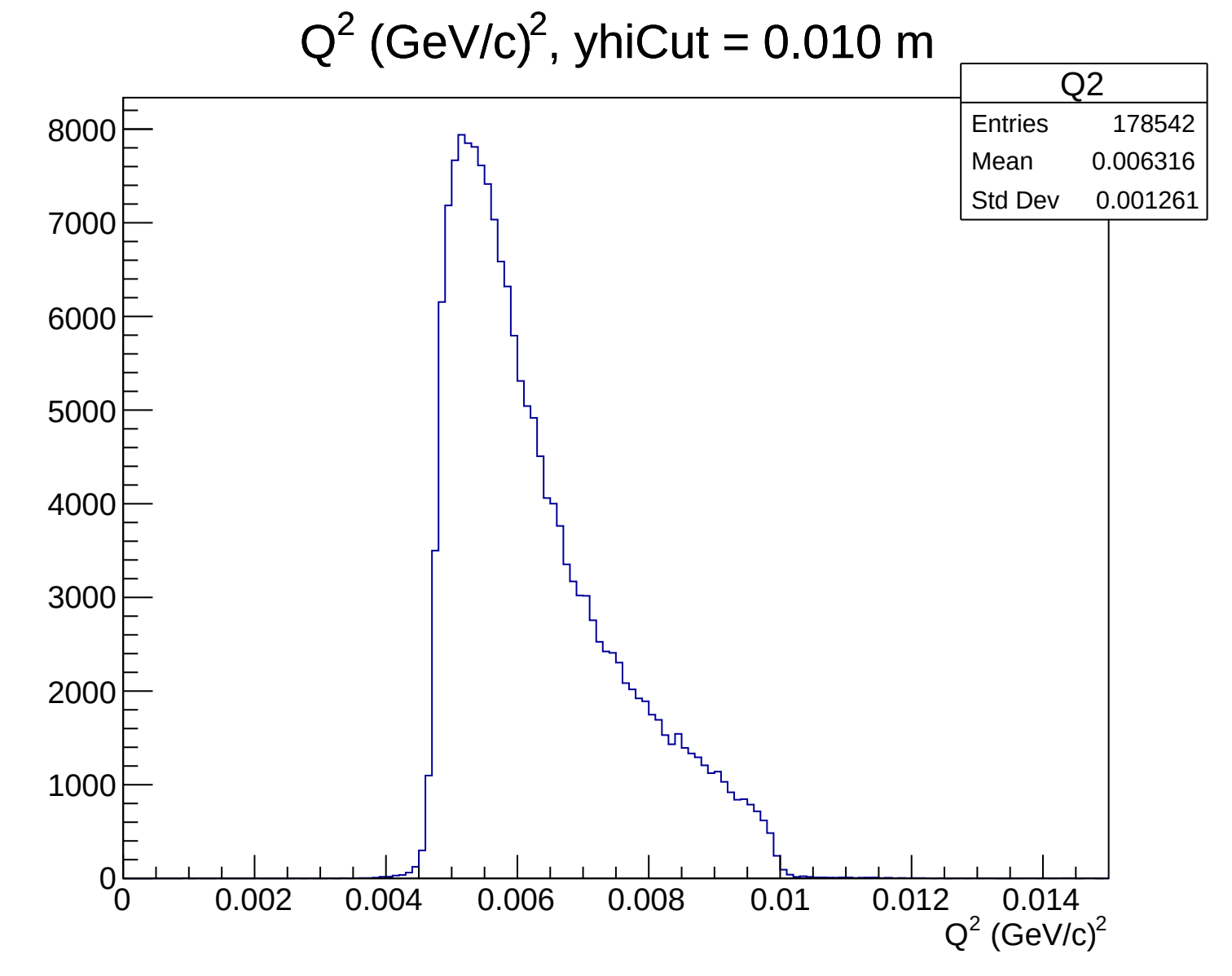

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

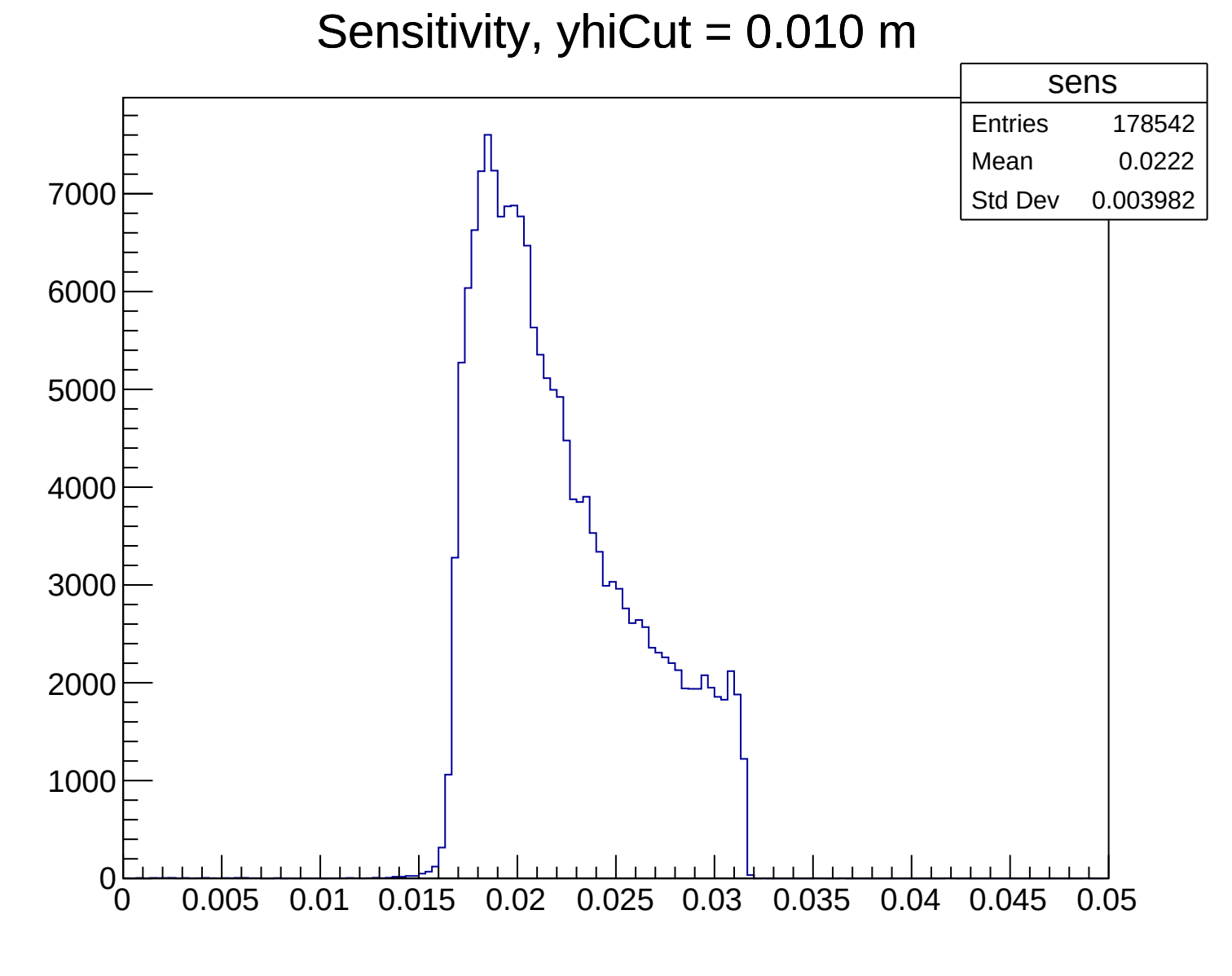

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

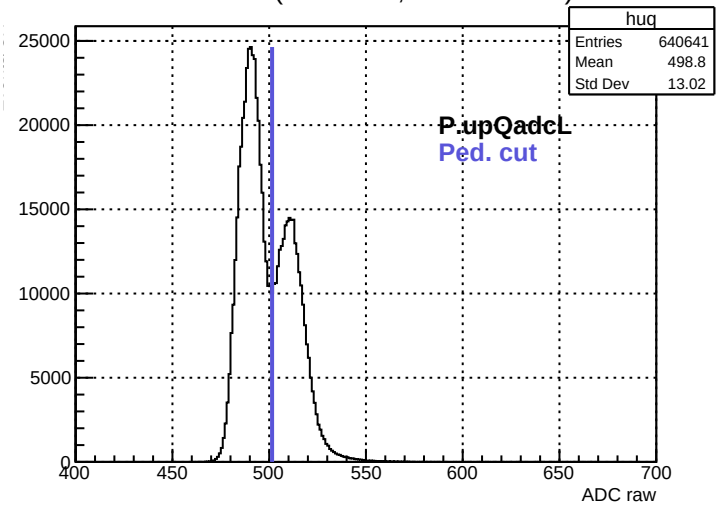

θlab (deg), yhiCut = 0.010 m
Theta
Entries 178542
Mean 4.78
Std Dev 0.4653
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

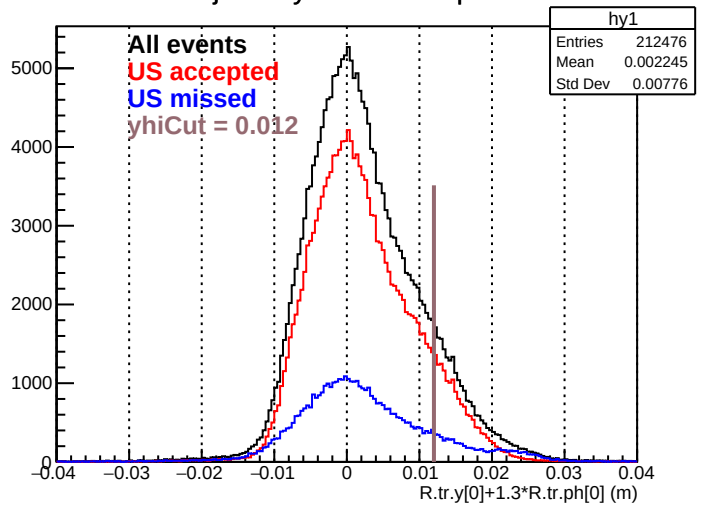

Asymmetry (ppm), yhiCut = 0.010 m
Asym
Entries 178542
Mean 0.5693
Std Dev 0.08228
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

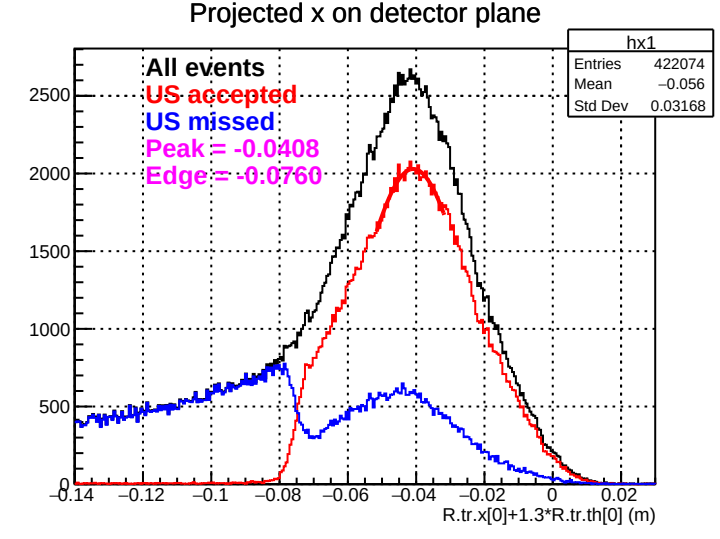

Stretched Asym. (ppm), yhiCut = 0.010 m
SAsym
Entries 178542
Mean 0.5564
Std Dev 0.07844
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

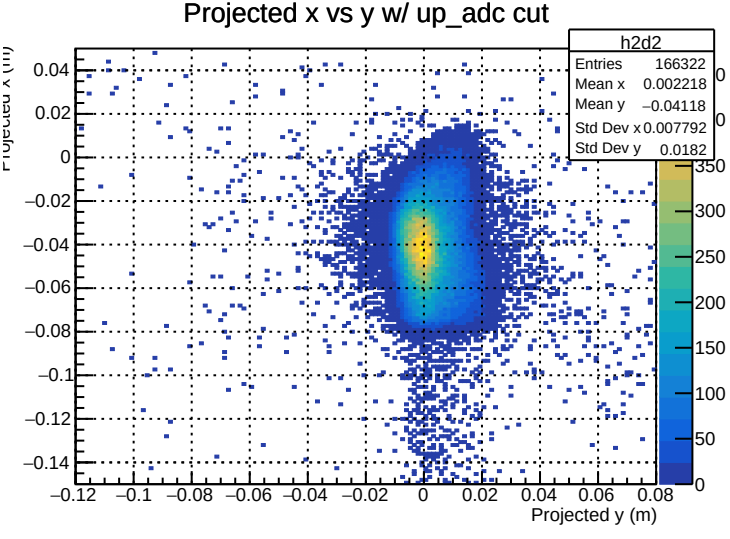

Q^2 (GeV/c)^2, yhiCut = 0.010 m
Q2
Entries 178542
Mean 0.006316
Std Dev 0.001261
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

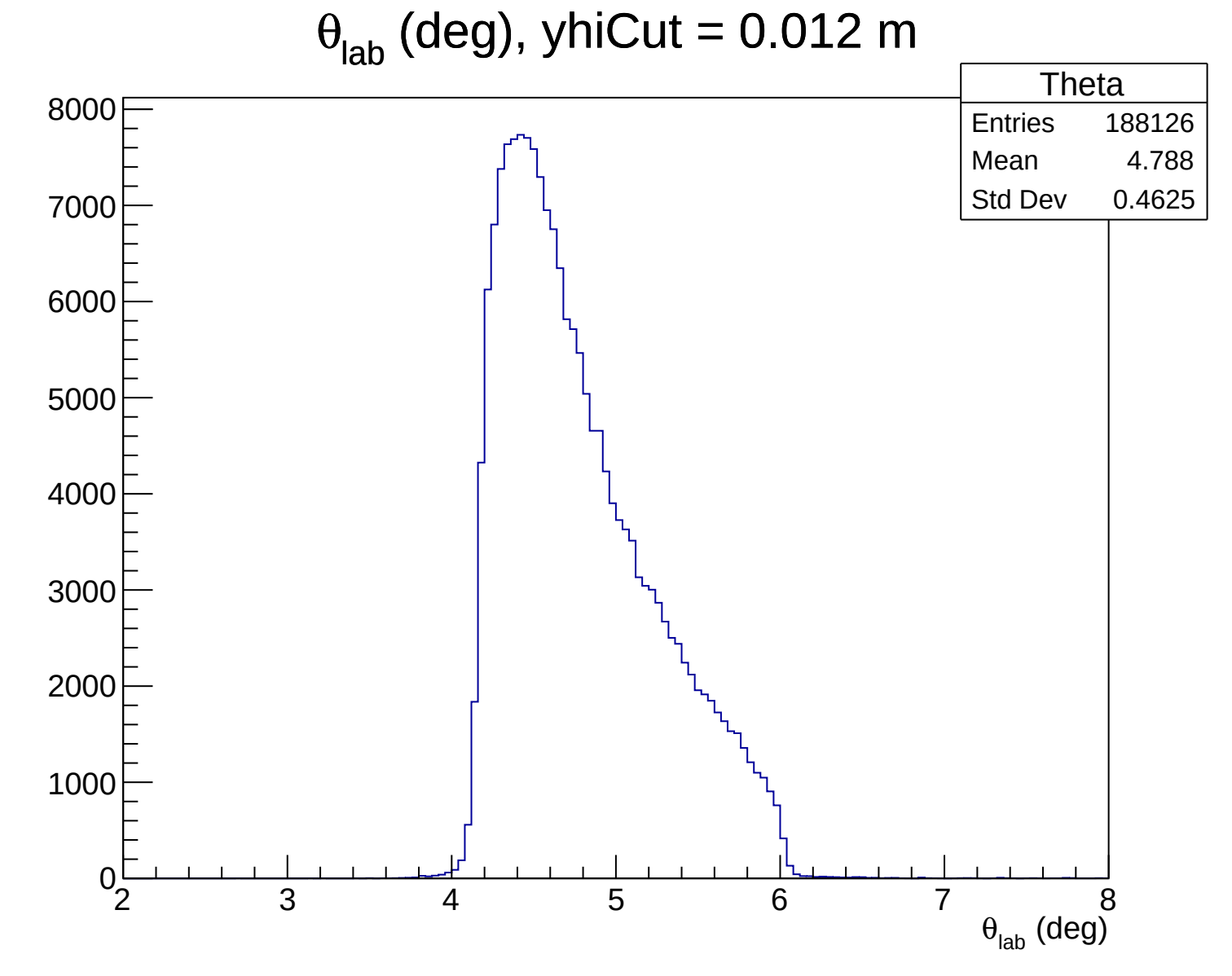

Sensitivity, yhiCut = 0.010 m
sens
Entries 178542
Mean 0.0222
Std Dev 0.003982
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

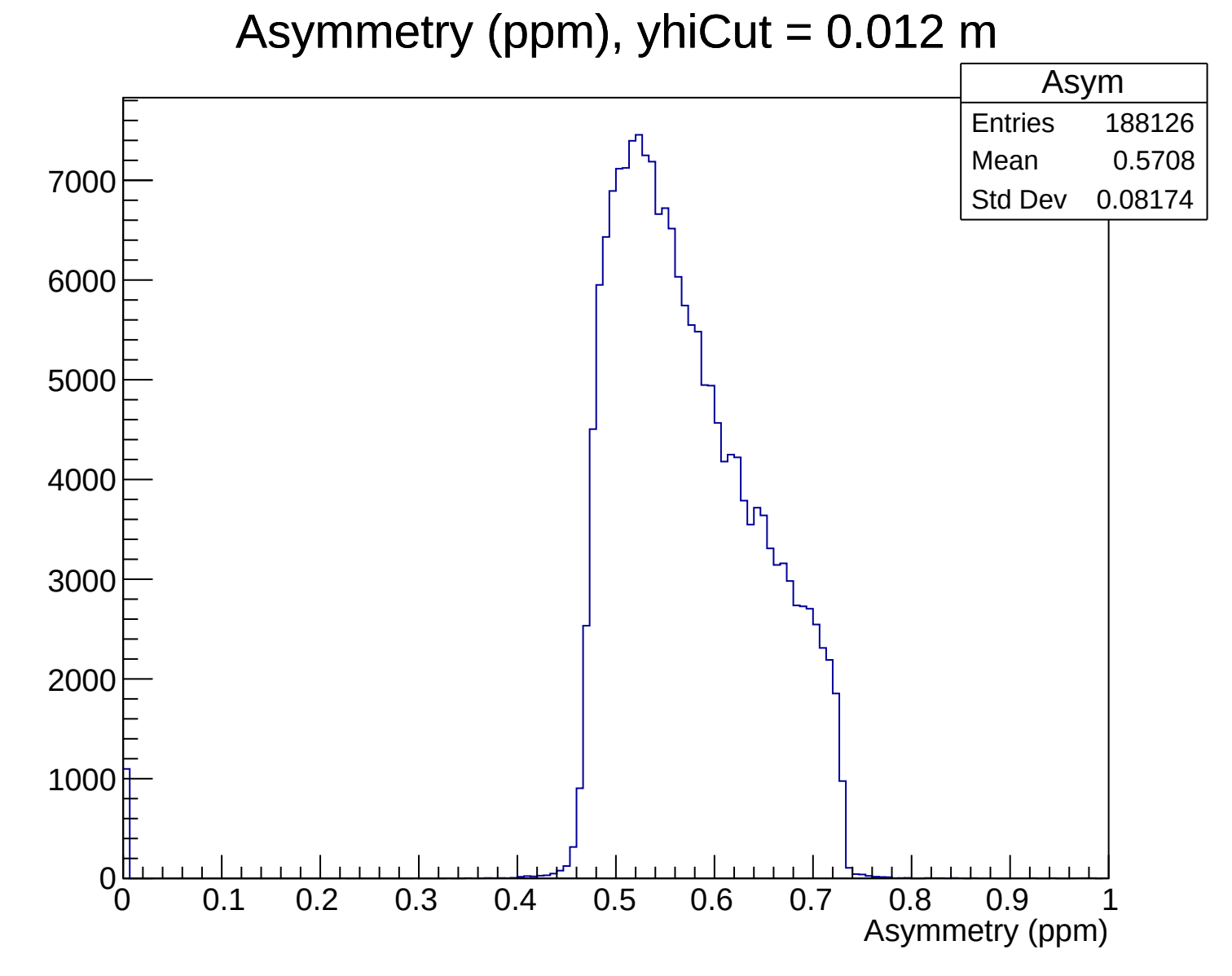

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

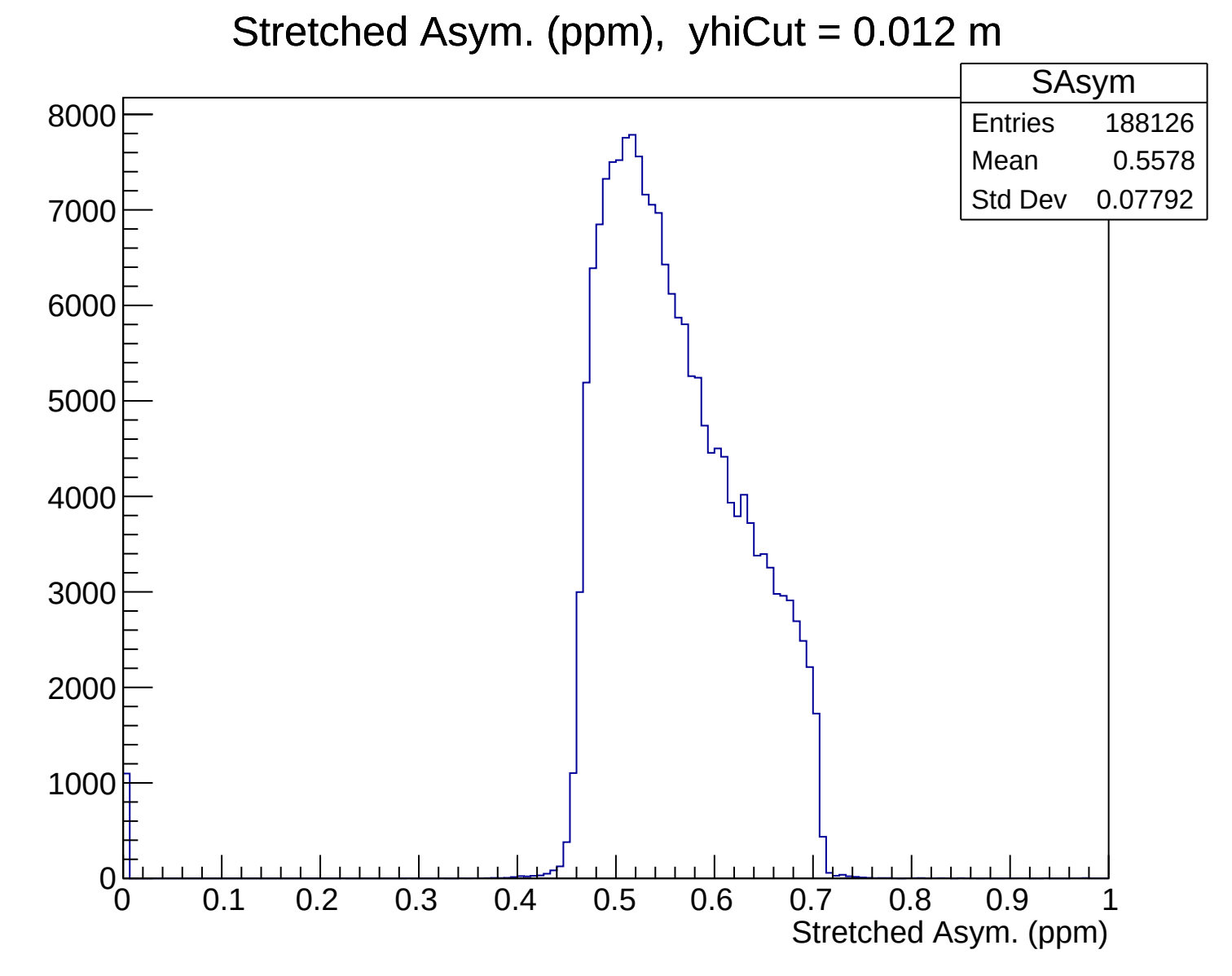

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.012
R.tr.y[0]+1.3*R.tr.ph[0] (m)

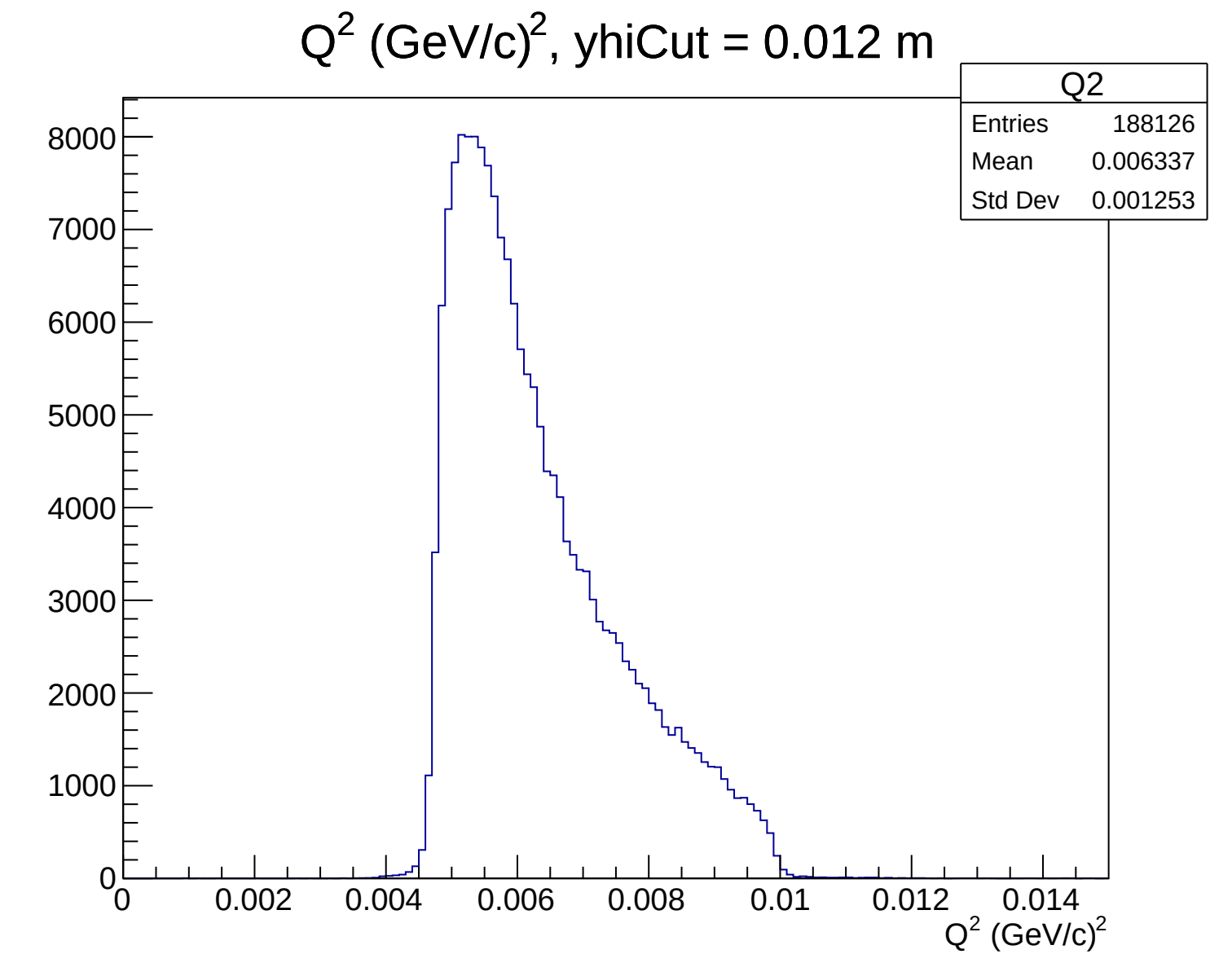

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

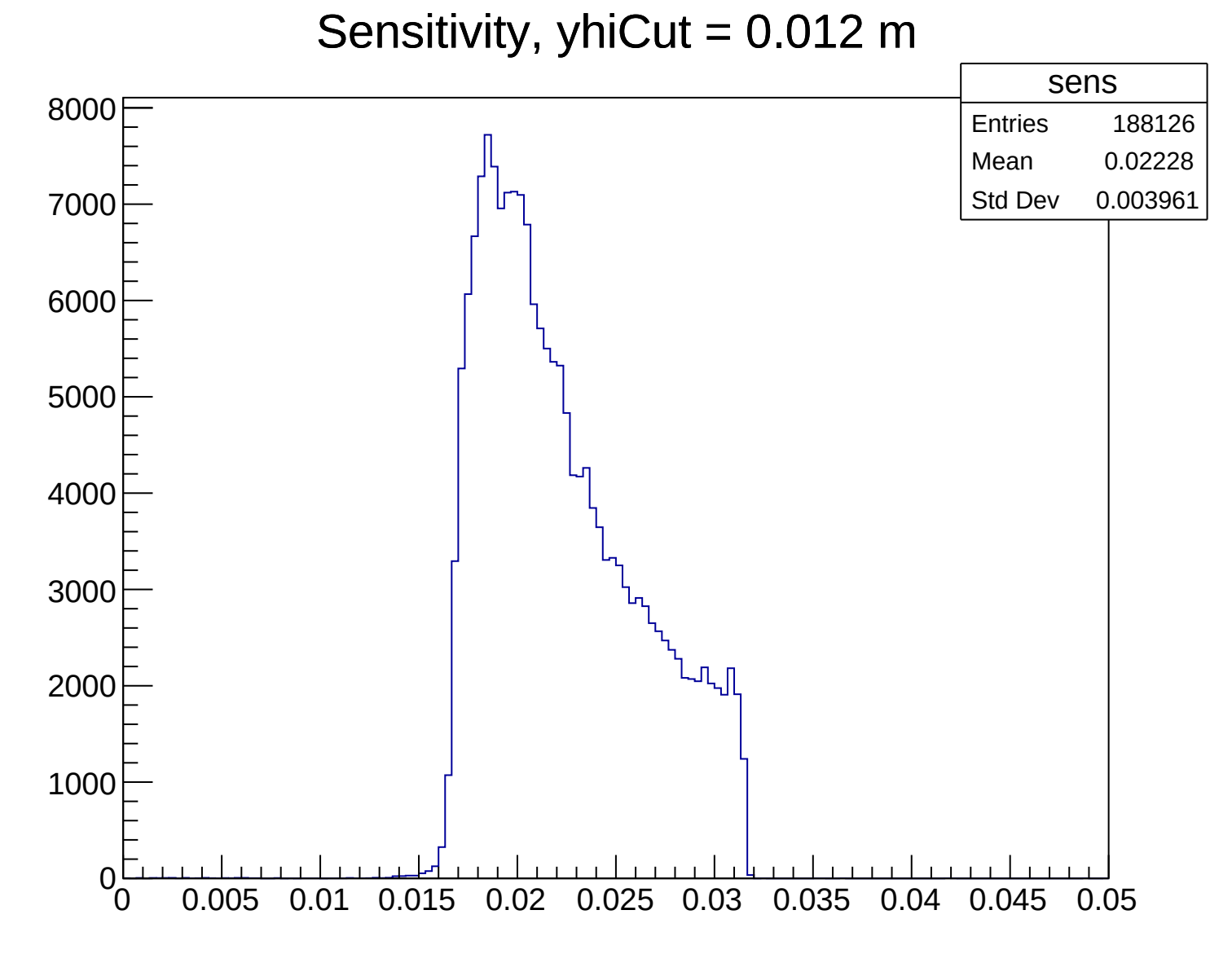

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

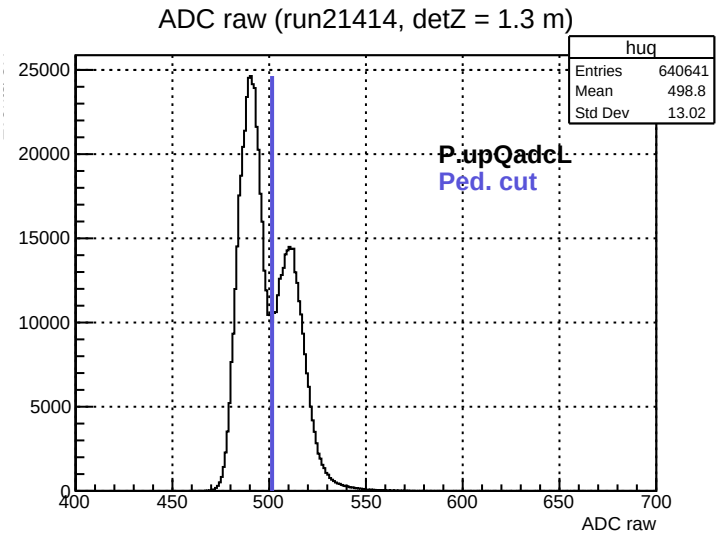

θlab (deg), yhiCut = 0.012 m
Theta
Entries 188126
Mean 4.788
Std Dev 0.4625
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

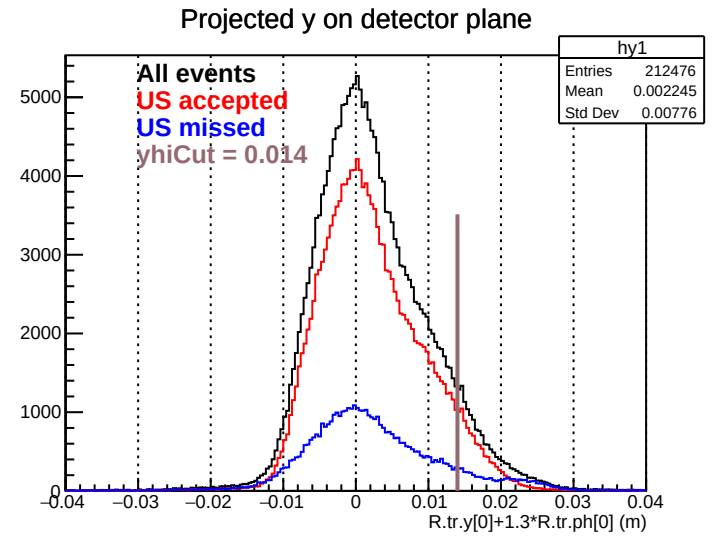

Asymmetry (ppm), yhiCut = 0.012 m
Asym
Entries 188126
Mean 0.5708
Std Dev 0.08174
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

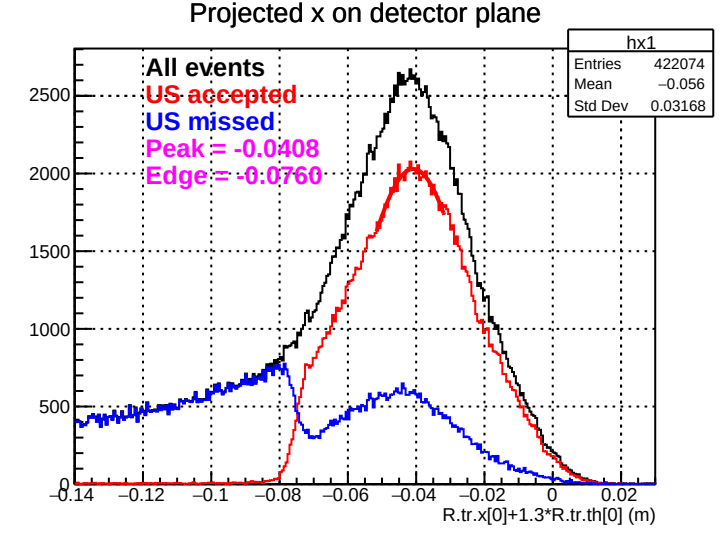

Stretched Asym. (ppm), yhiCut = 0.012 m
SAsym
Entries 188126
Mean 0.5578
Std Dev 0.07792
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

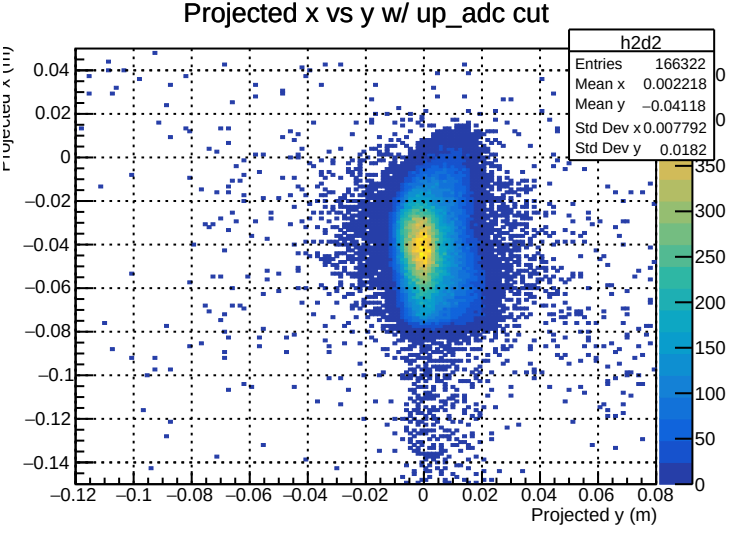

Q^2 (GeV/c)^2, yhiCut = 0.012 m
Q2
Entries 188126
Mean 0.006337
Std Dev 0.001253
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

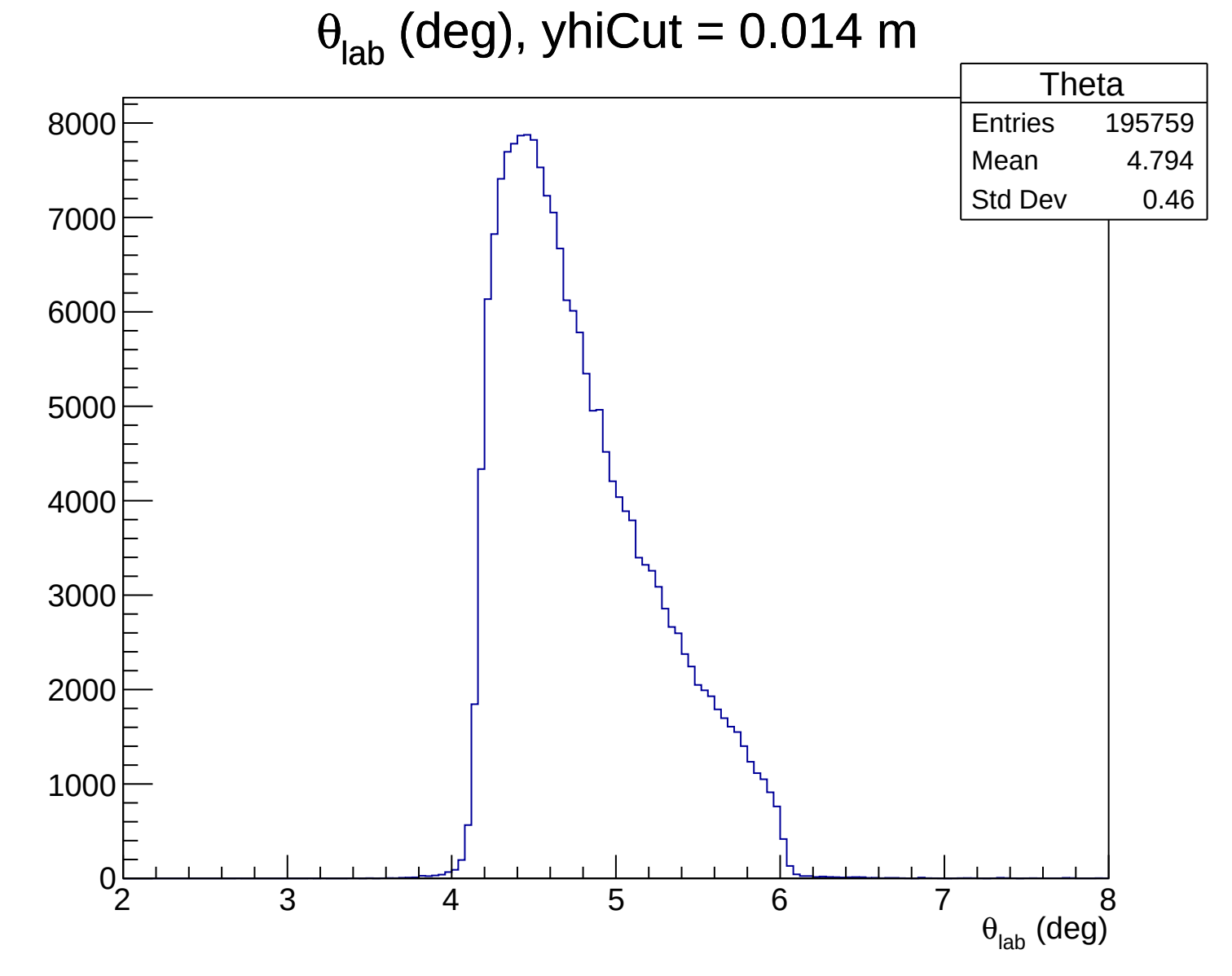

Sensitivity, yhiCut = 0.012 m
sens
Entries 188126
Mean 0.02228
Std Dev 0.003961
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

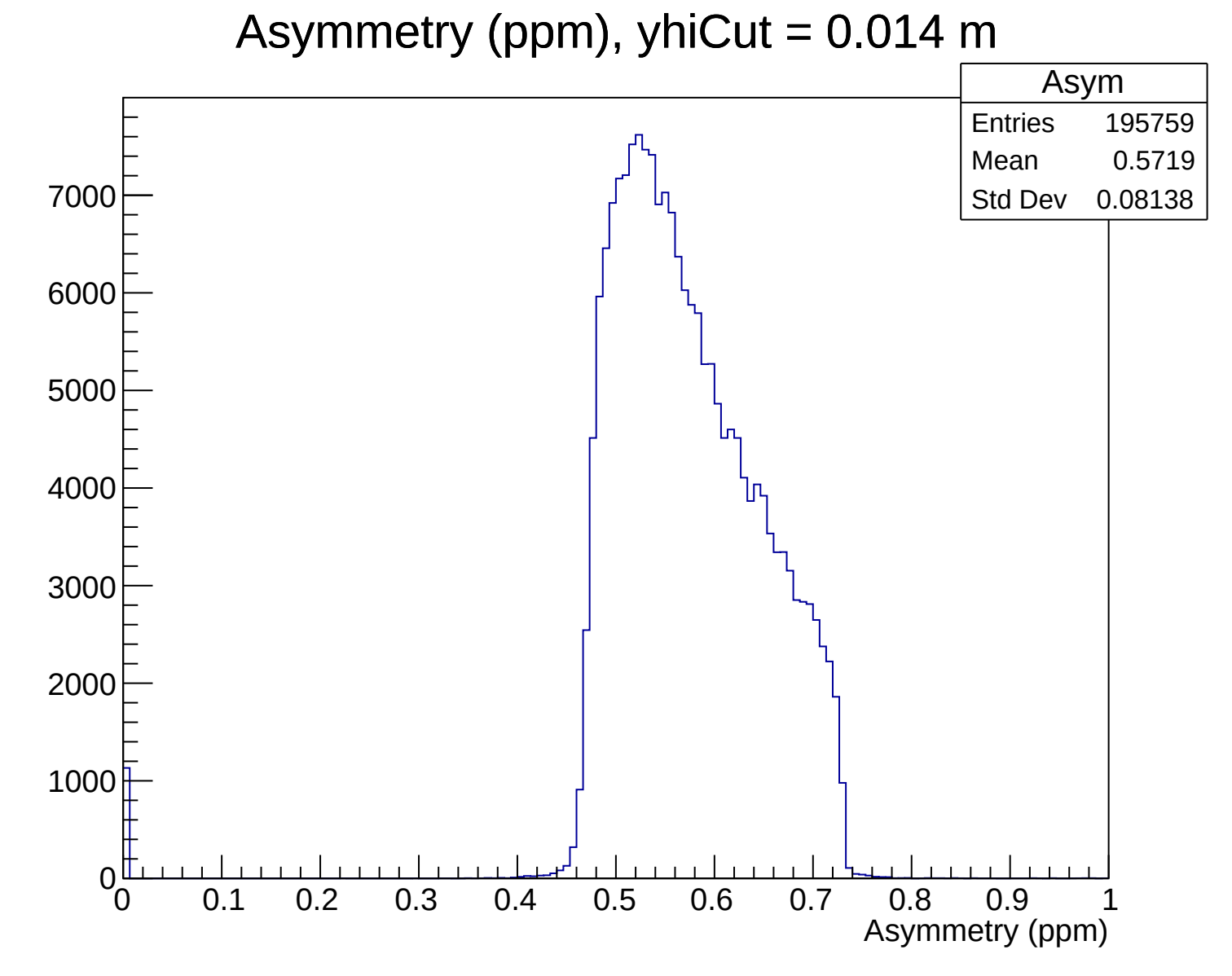

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

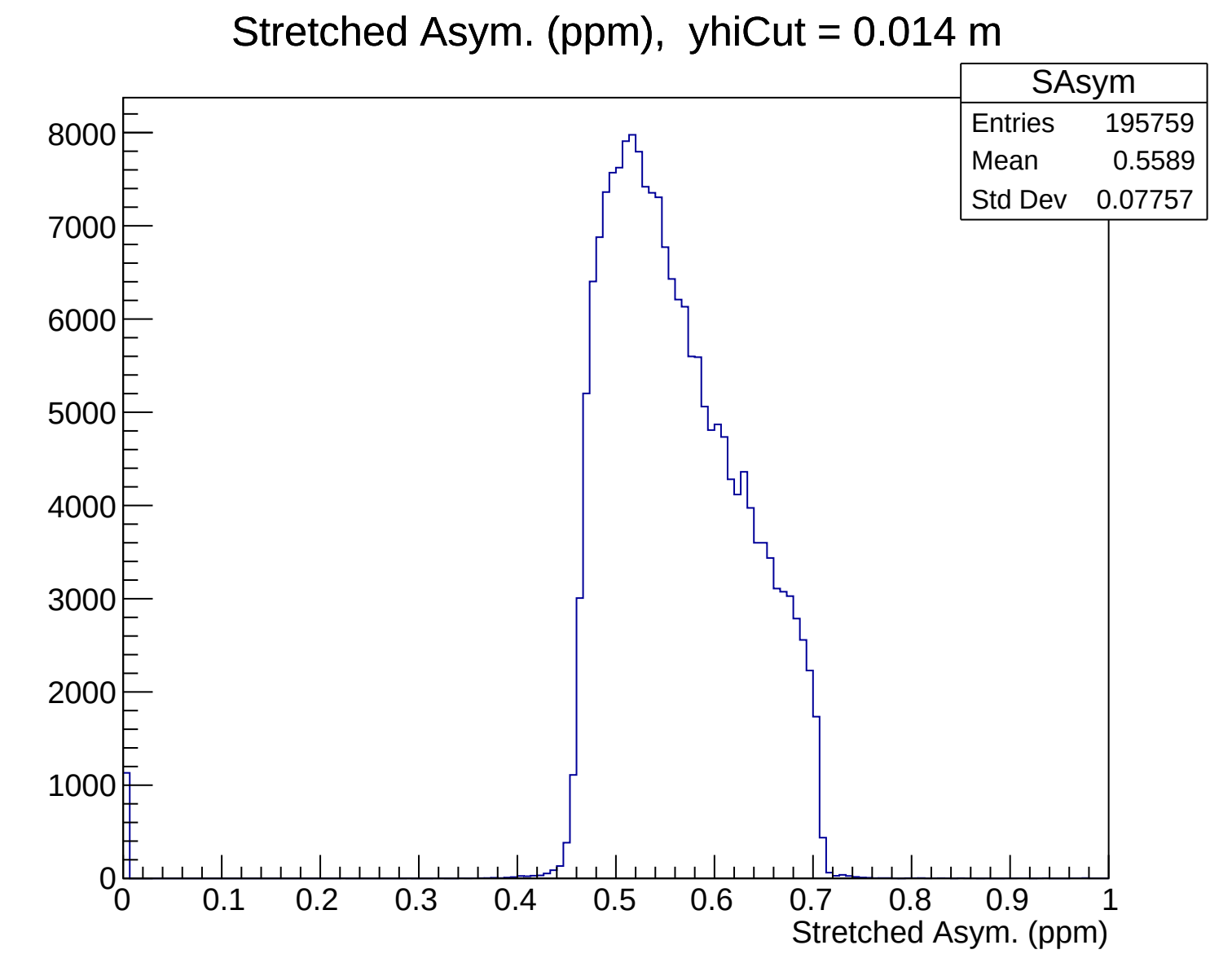

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.014
R.tr.y[0]+1.3*R.tr.ph[0] (m)

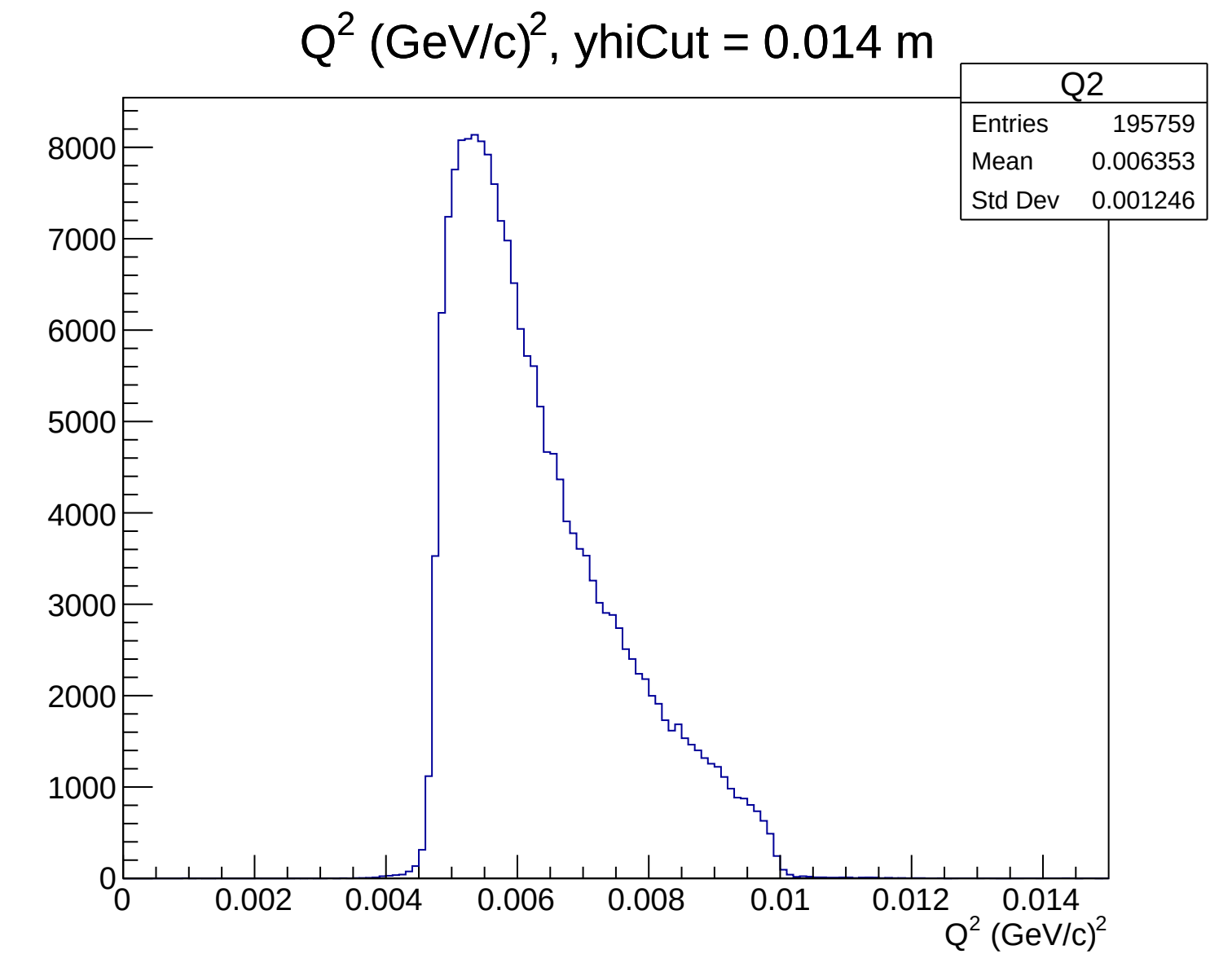

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

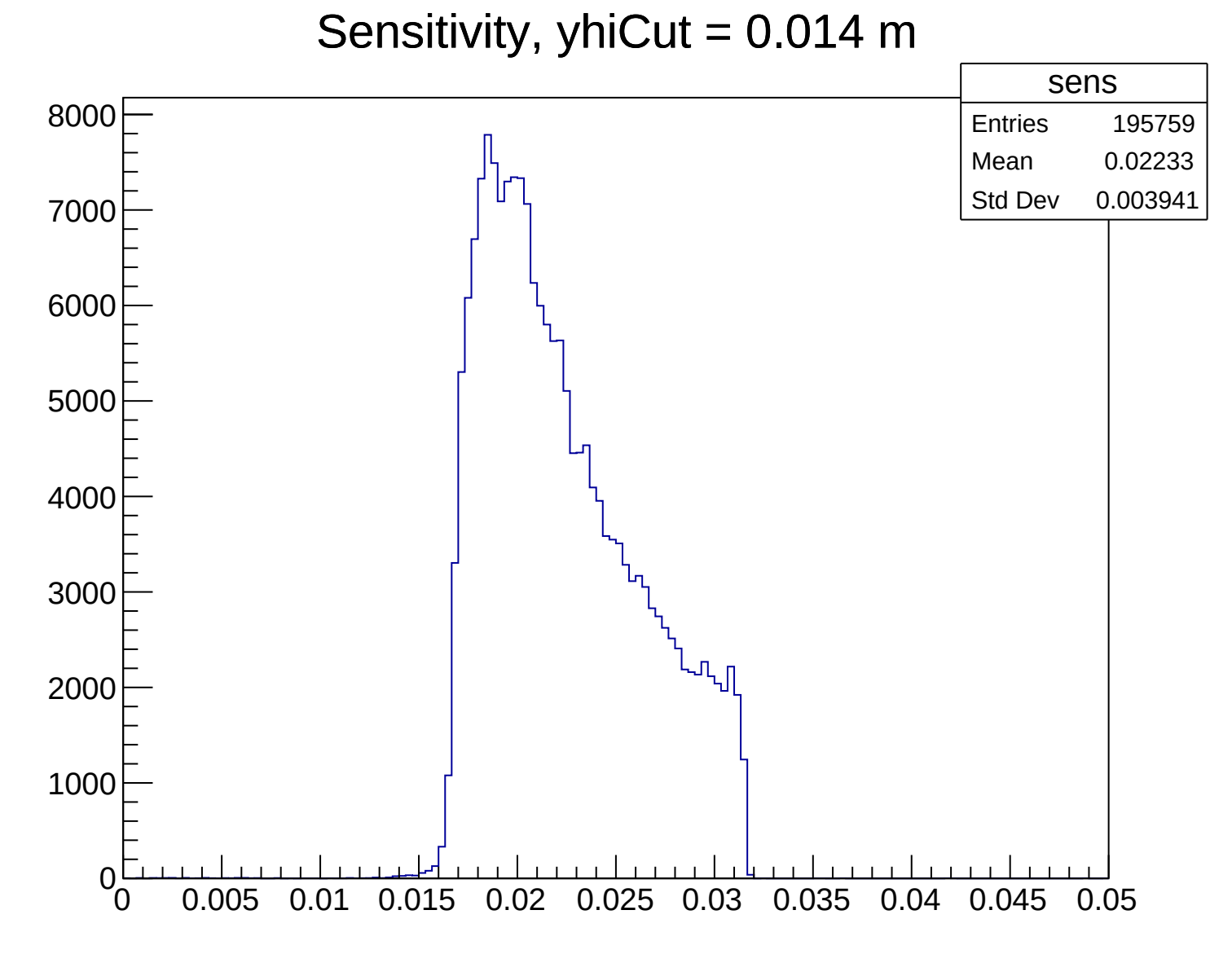

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

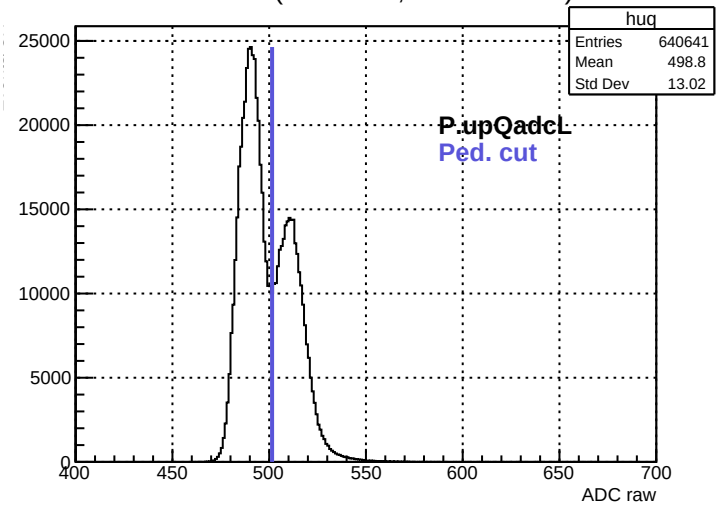

θlab (deg), yhiCut = 0.014 m
Theta
Entries 195759
Mean 4.794
Std Dev 0.46
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

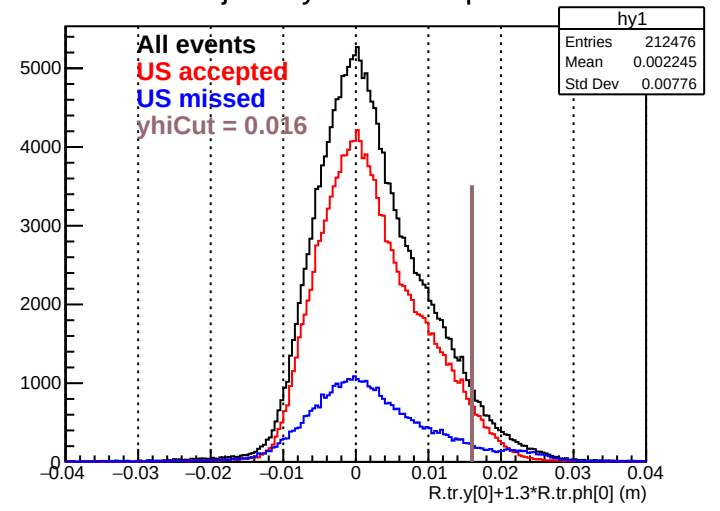

Asymmetry (ppm), yhiCut = 0.014 m
Asym
Entries 195759
Mean 0.5719
Std Dev 0.08138
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

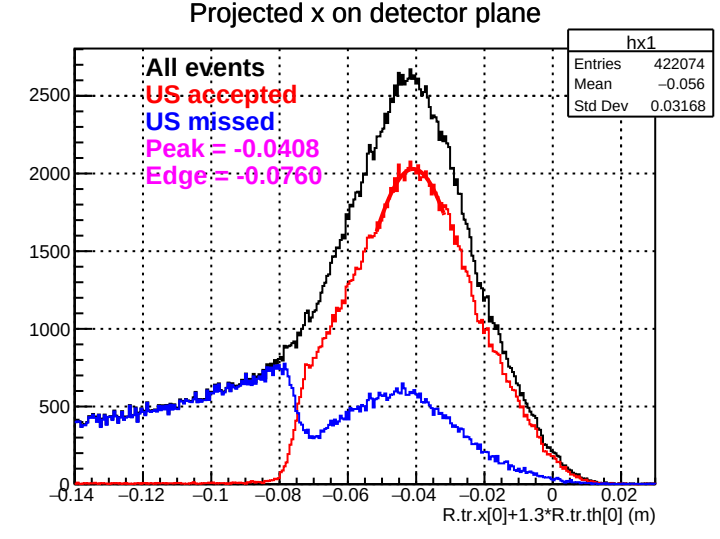

Stretched Asym. (ppm), yhiCut = 0.014 m
SAsym
Entries 195759
Mean 0.5589
Std Dev 0.07757
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

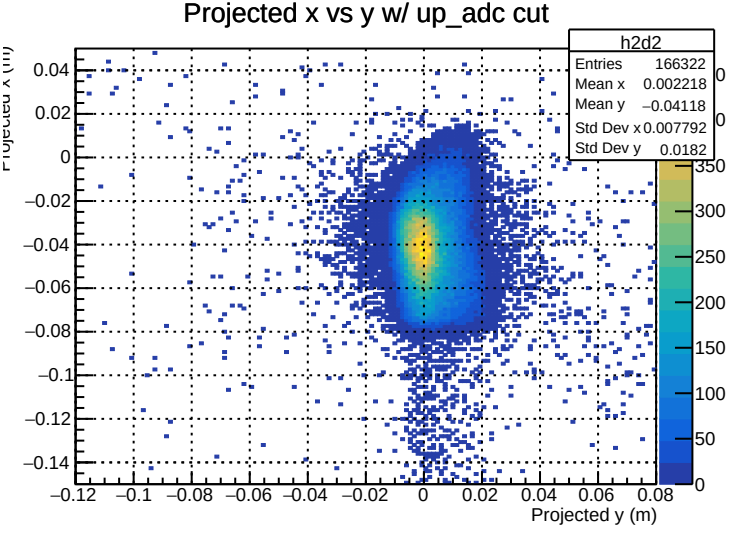

Q^2 (GeV/c)^2, yhiCut = 0.014 m
Q2
Entries 195759
Mean 0.006353
Std Dev 0.001246
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

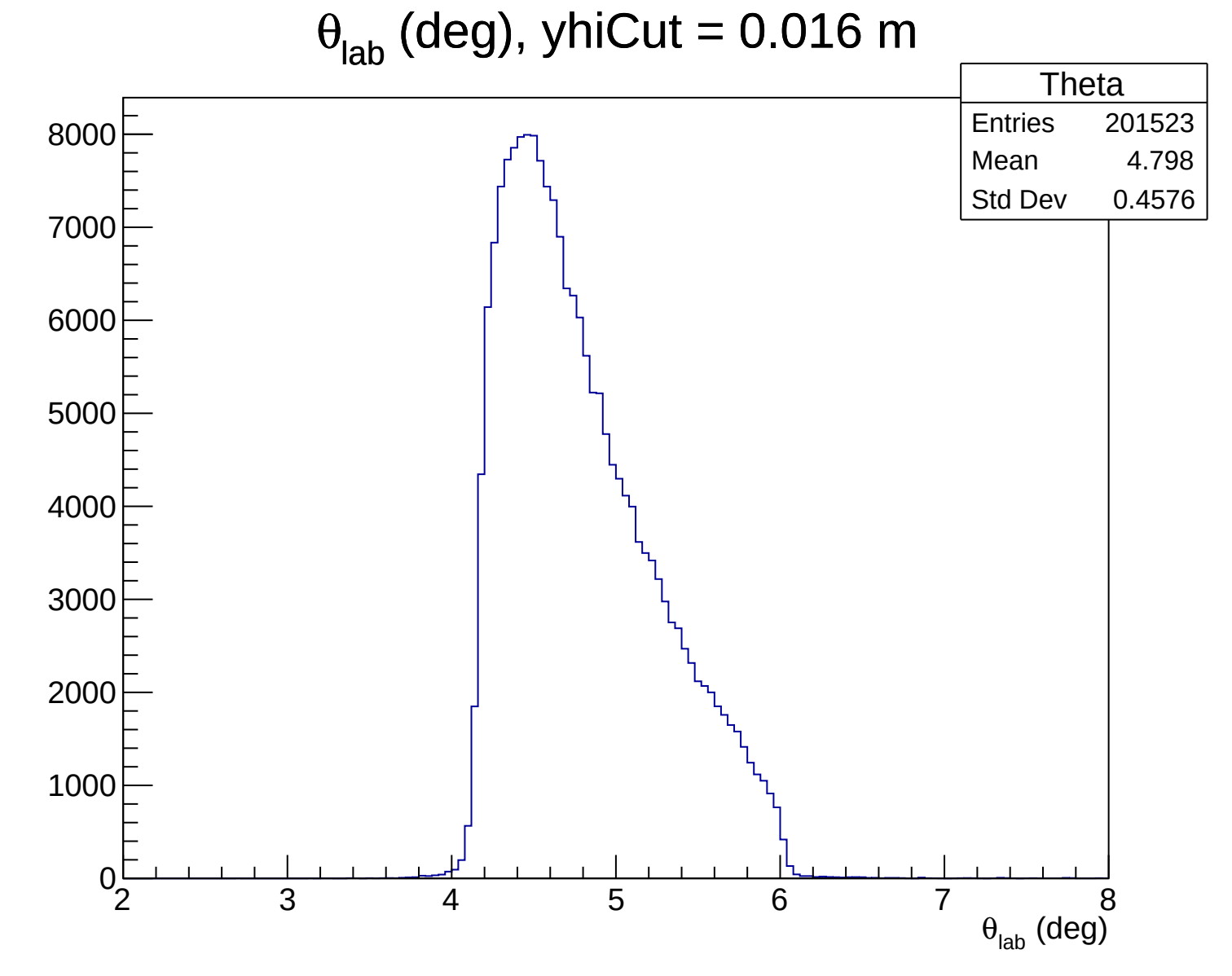

Sensitivity, yhiCut = 0.014 m
sens
Entries 195759
Mean 0.02233
Std Dev 0.003941
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

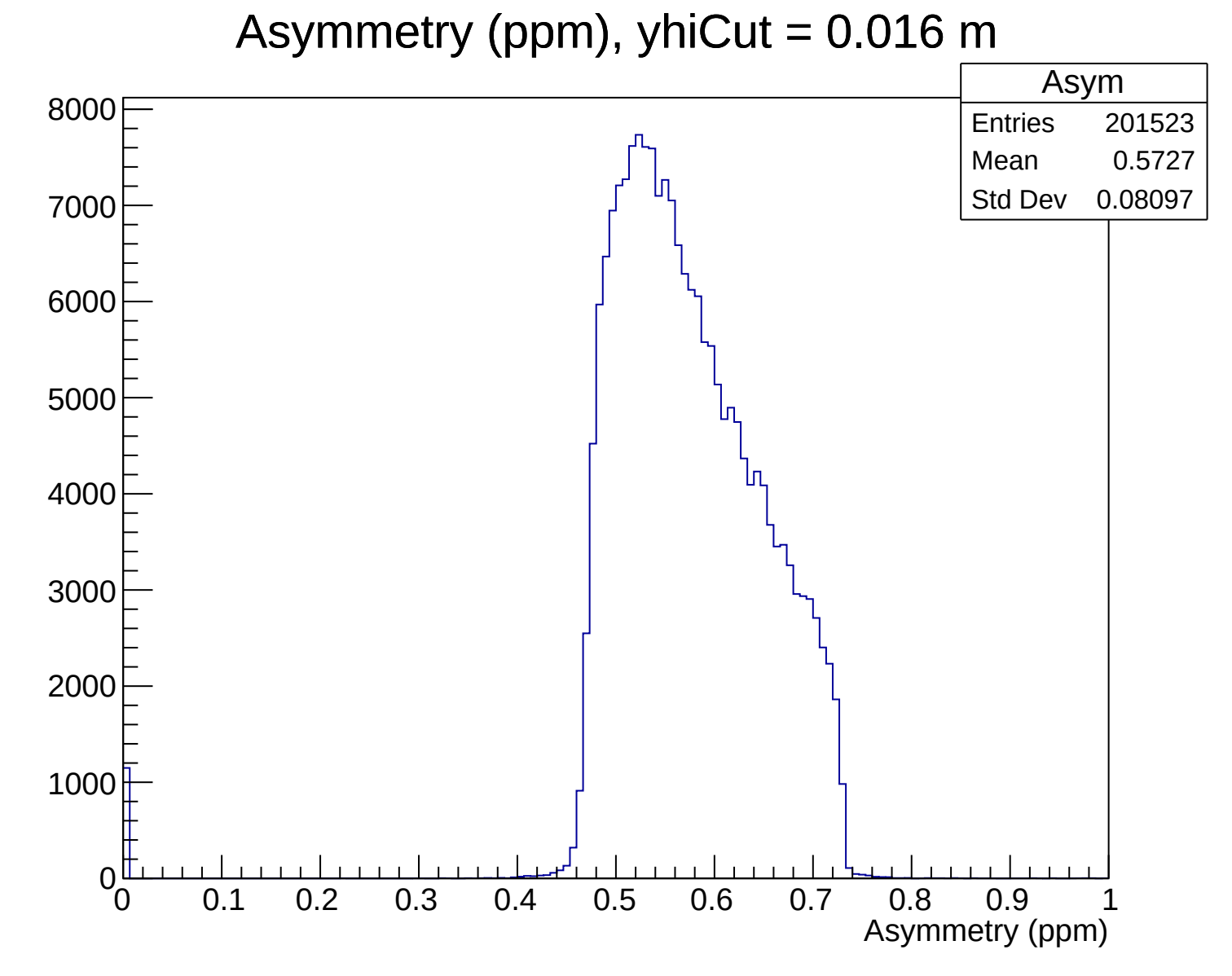

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

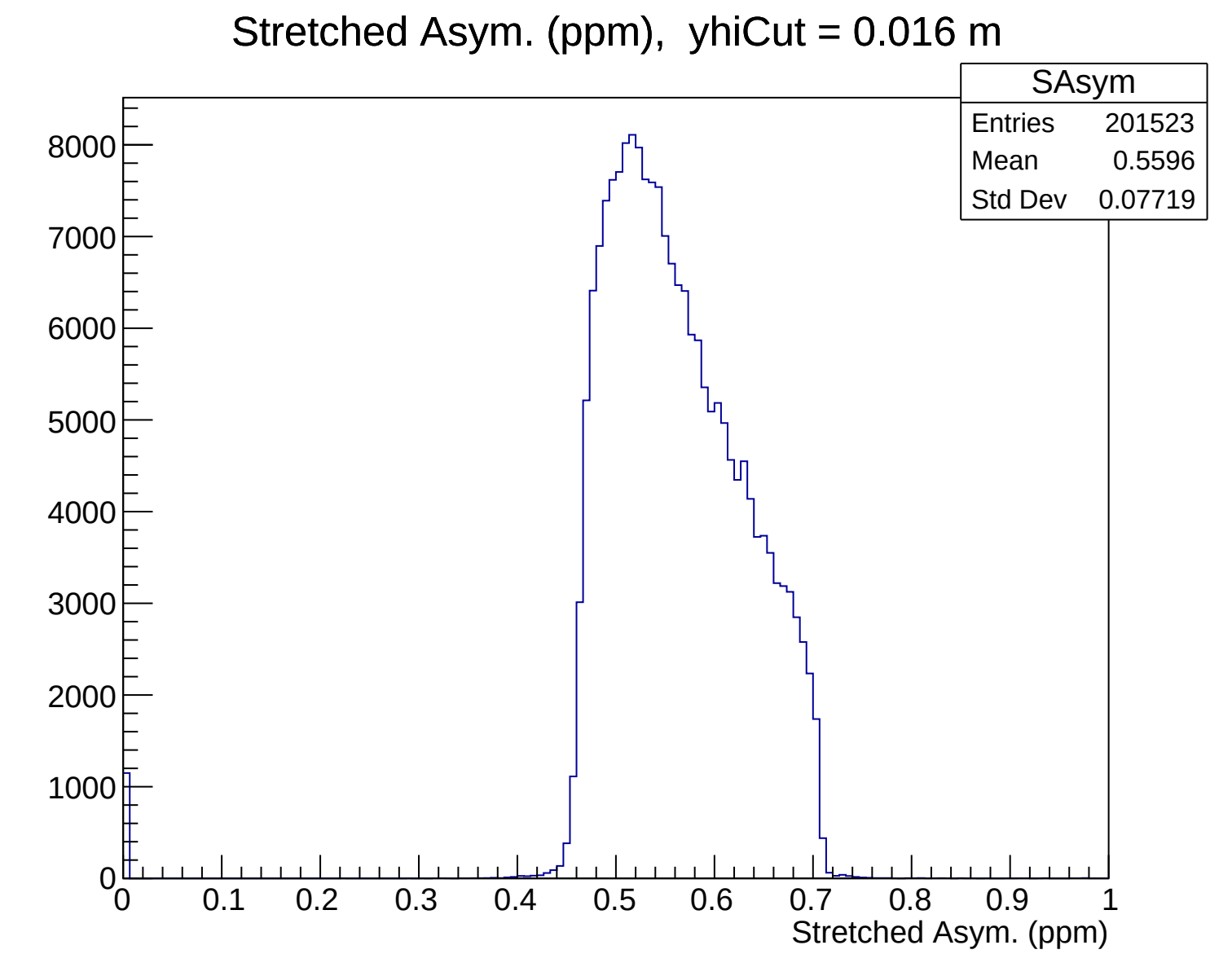

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.016
R.tr.y[0]+1.3*R.tr.ph[0] (m)

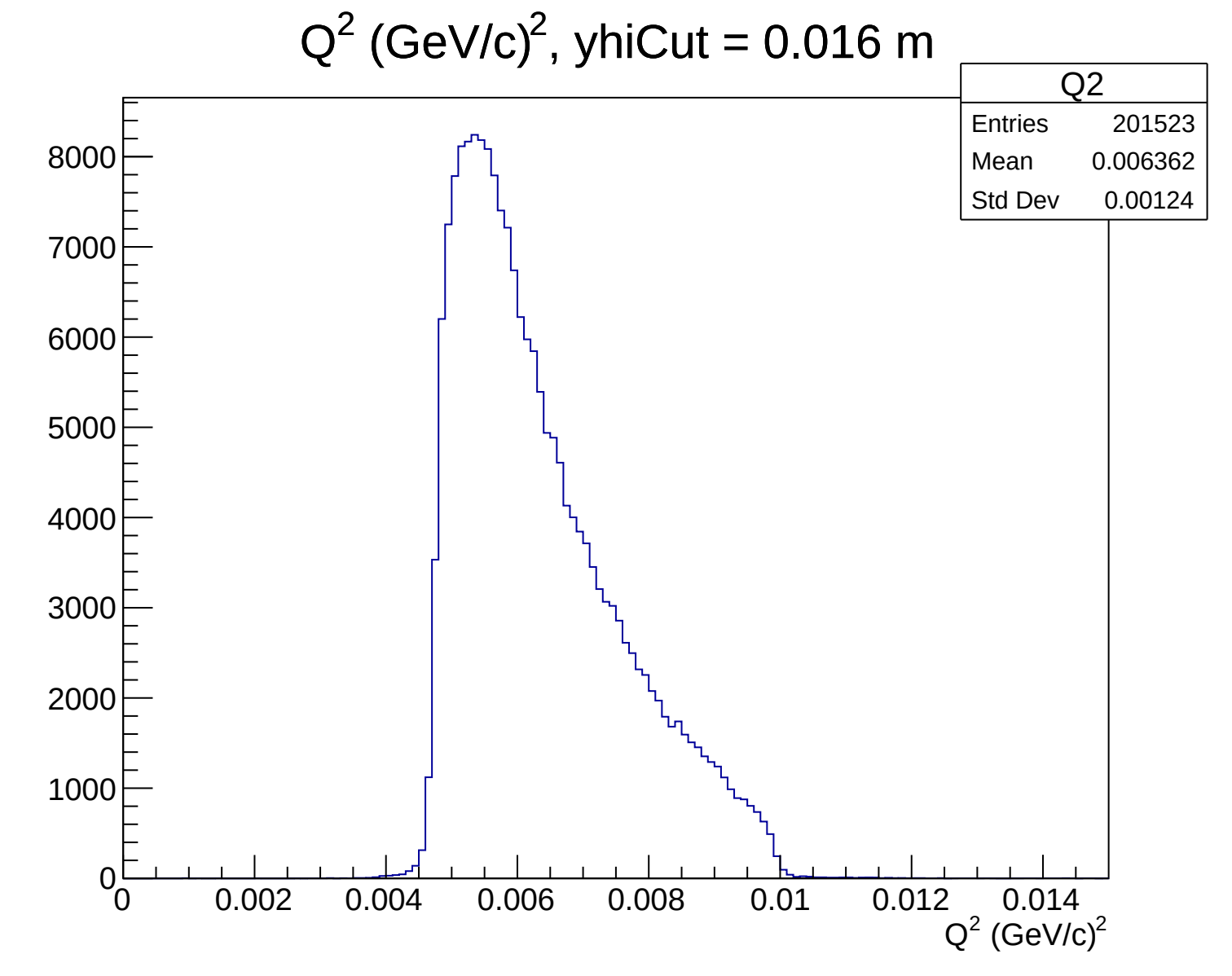

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

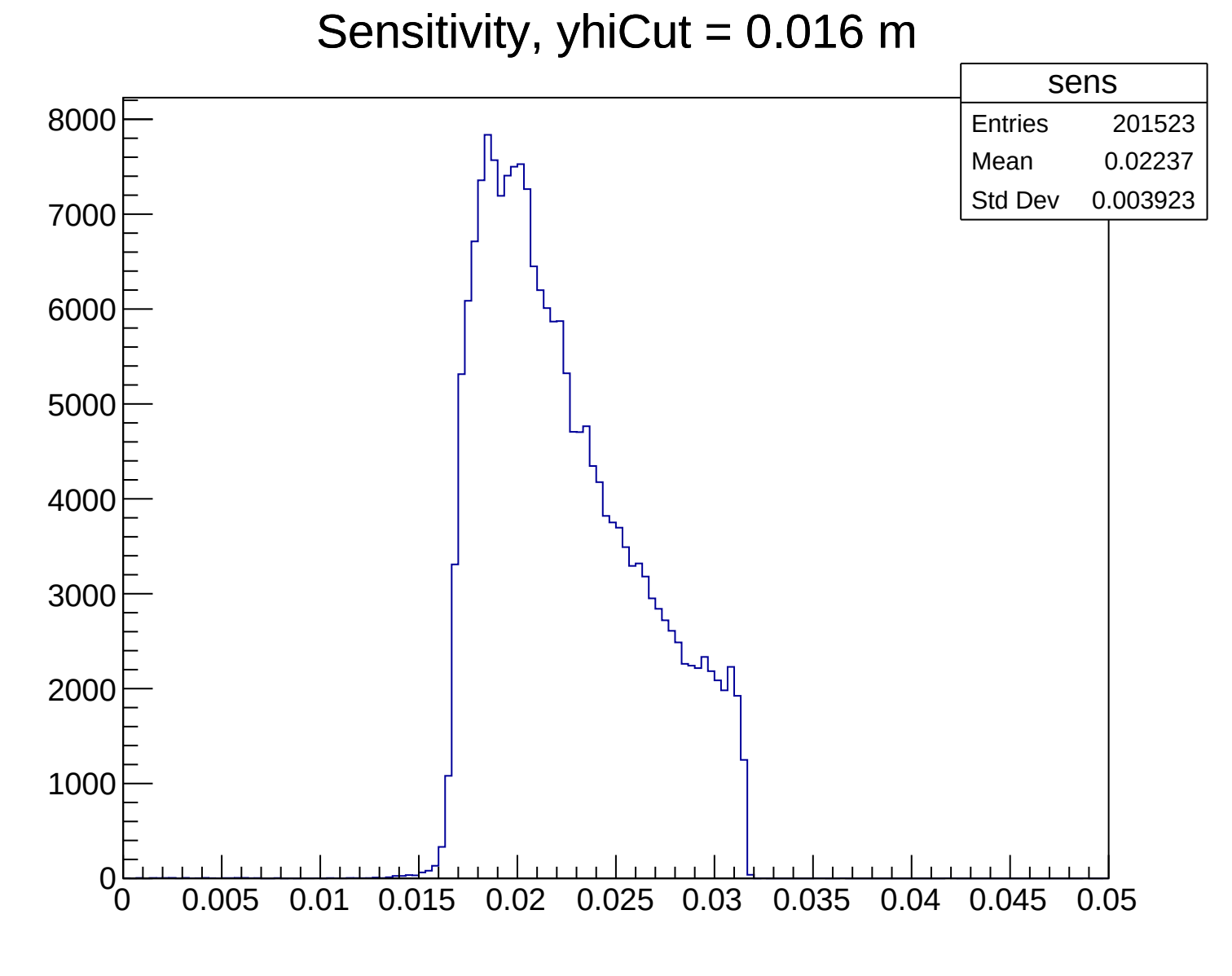

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

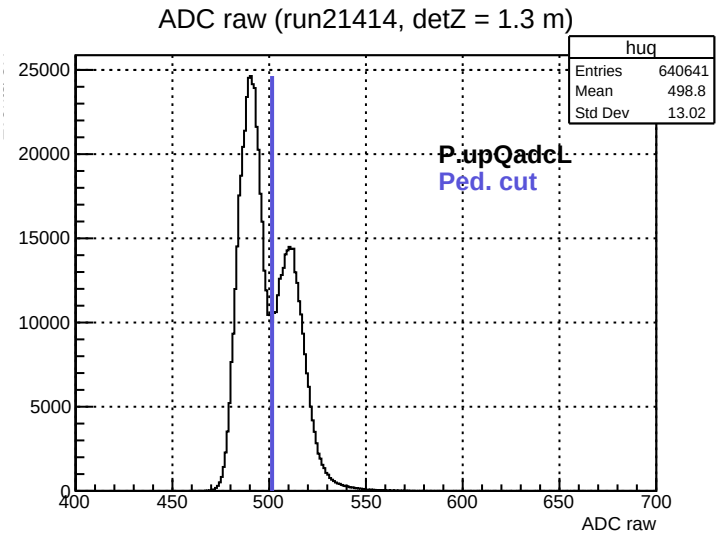

θlab (deg), yhiCut = 0.016 m
Theta
Entries 201523
Mean 4.798
Std Dev 0.4576
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

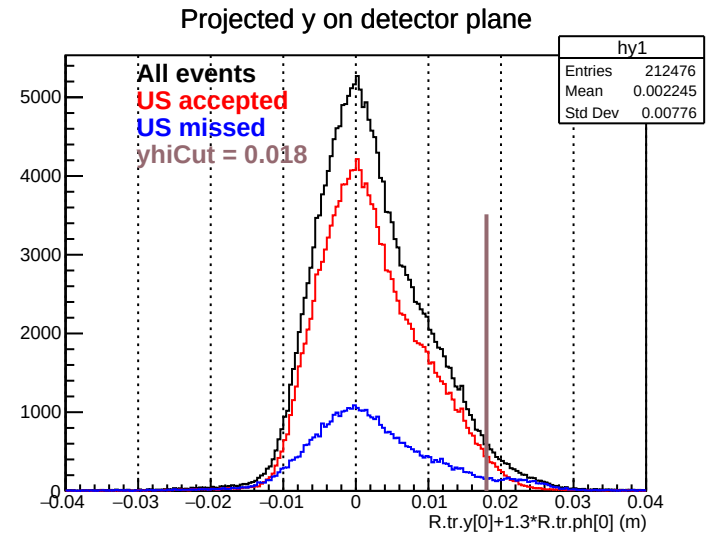

Asymmetry (ppm), yhiCut = 0.016 m
Asym
Entries 201523
Mean 0.5727
Std Dev 0.08097
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

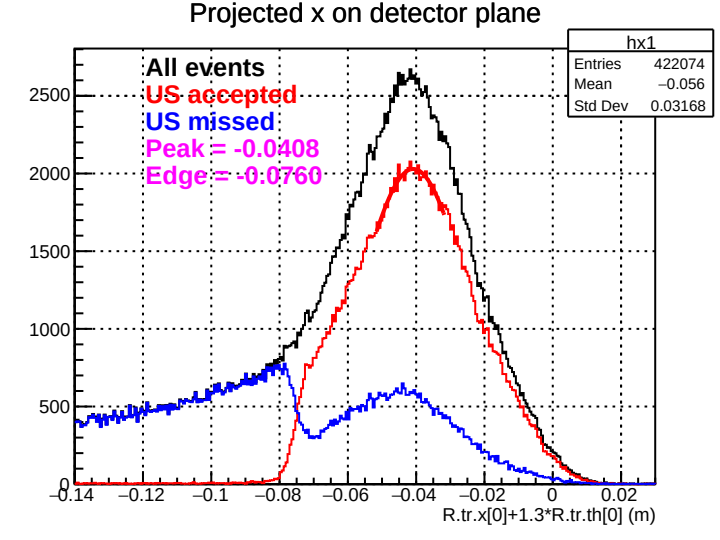

Stretched Asym. (ppm), yhiCut = 0.016 m
SAsym
Entries 201523
Mean 0.5596
Std Dev 0.07719
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

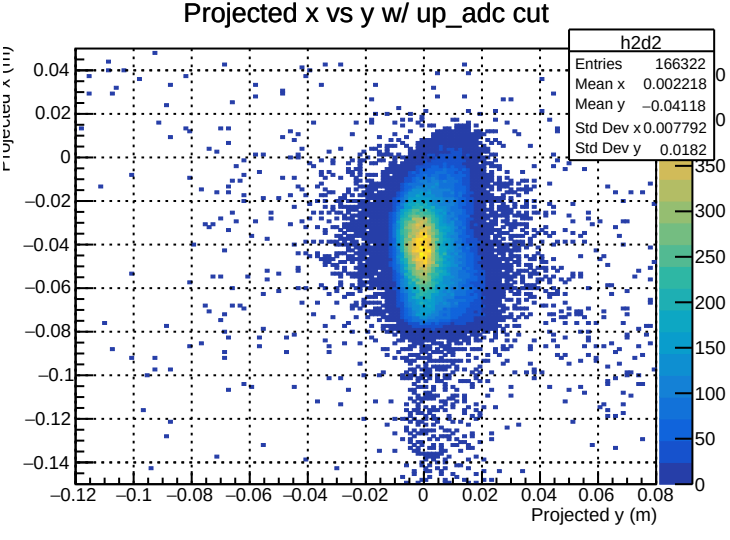

Q^2 (GeV/c)^2, yhiCut = 0.016 m
Q2
Entries 201523
Mean 0.006362
Std Dev 0.00124
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

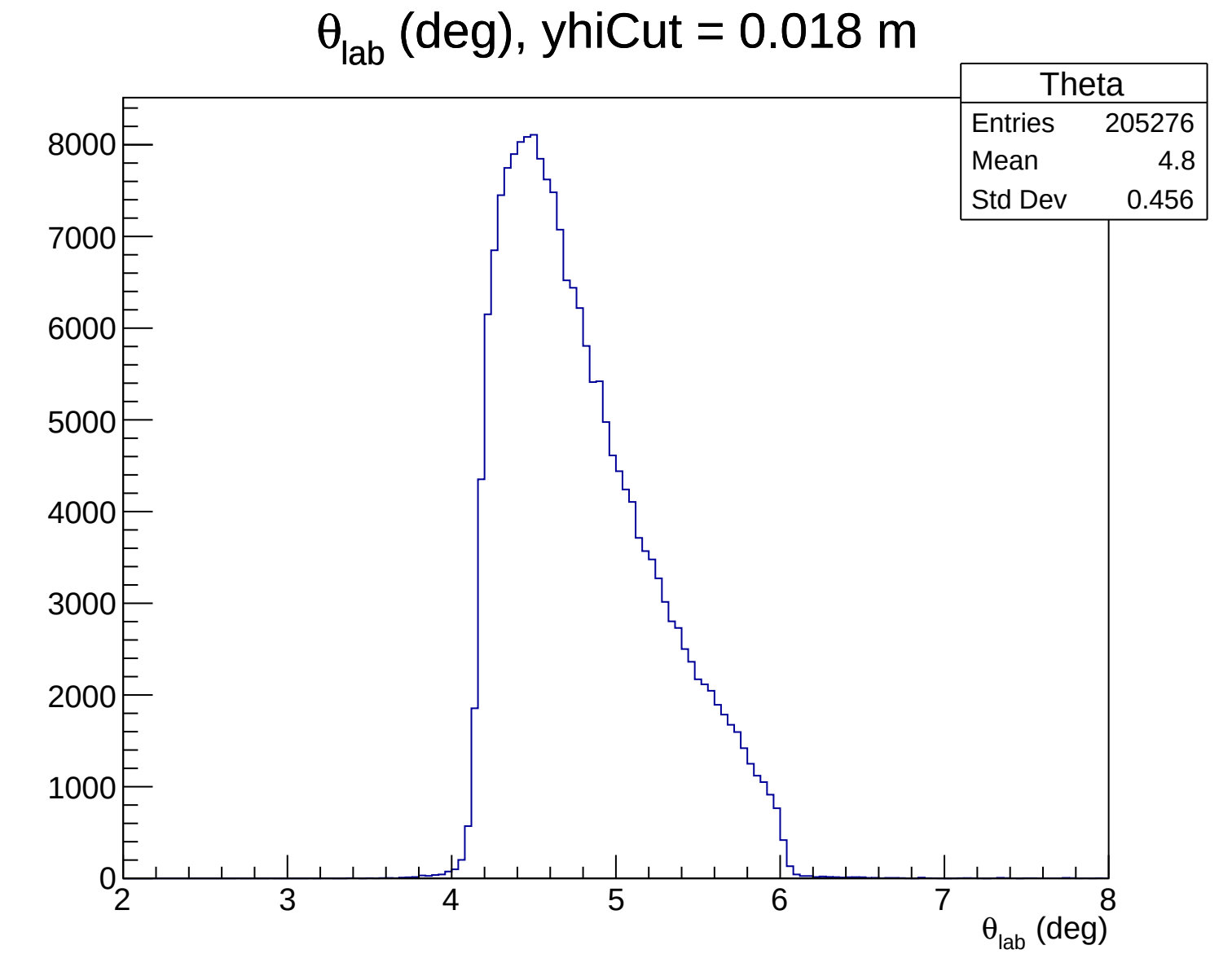

Sensitivity, yhiCut = 0.016 m
sens
Entries 201523
Mean 0.02237
Std Dev 0.003923
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

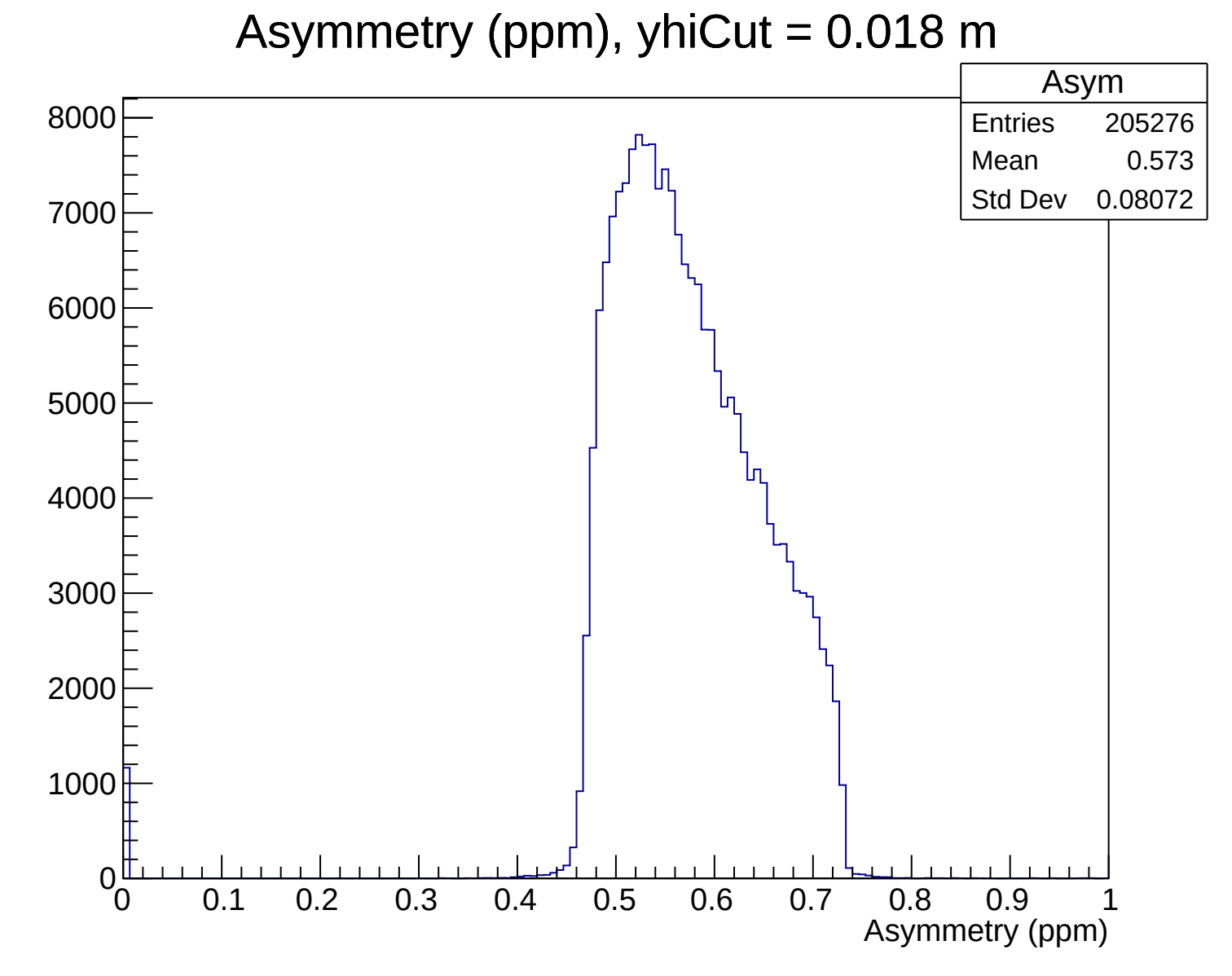

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

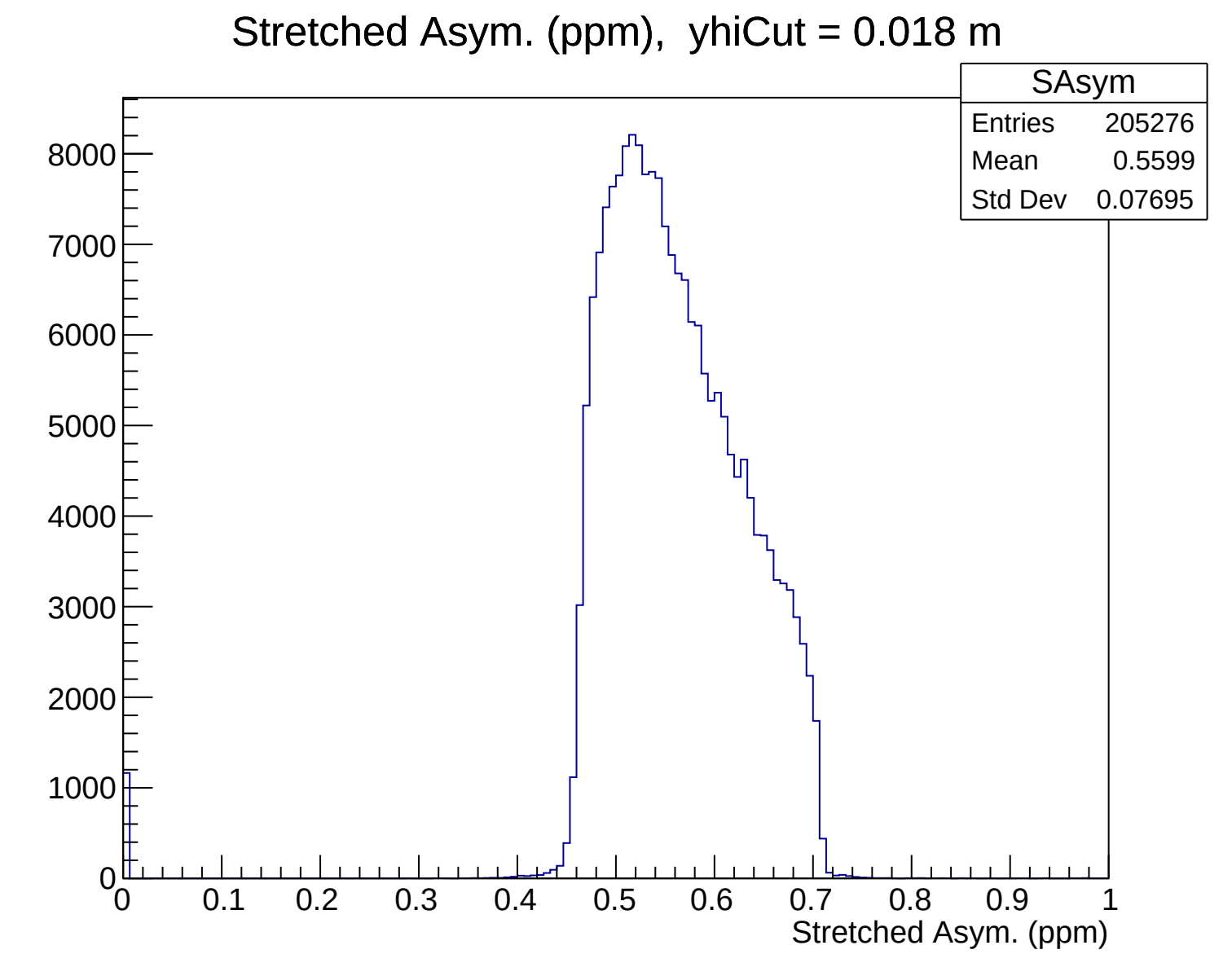

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.018
R.tr.y[0]+1.3*R.tr.ph[0] (m)

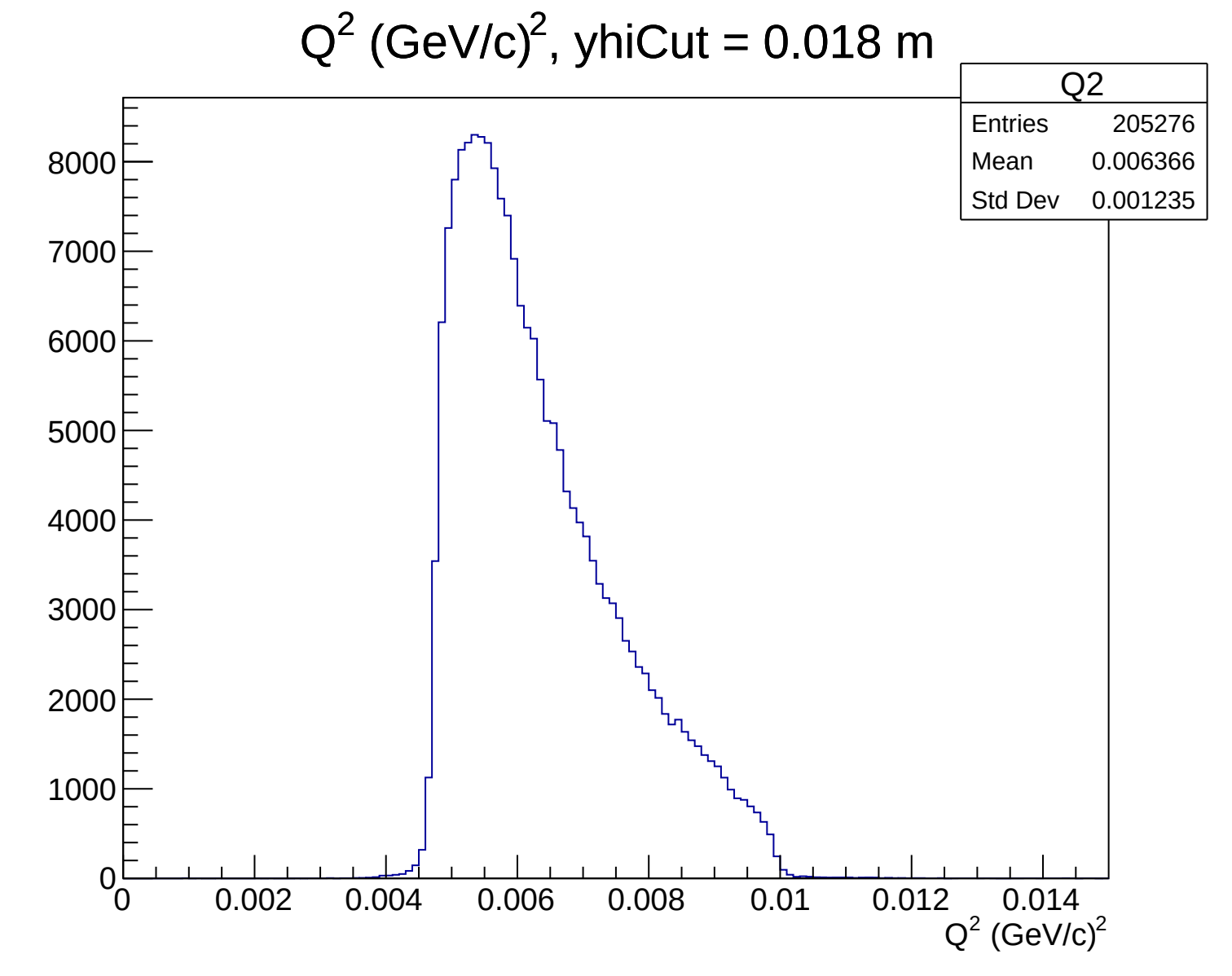

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

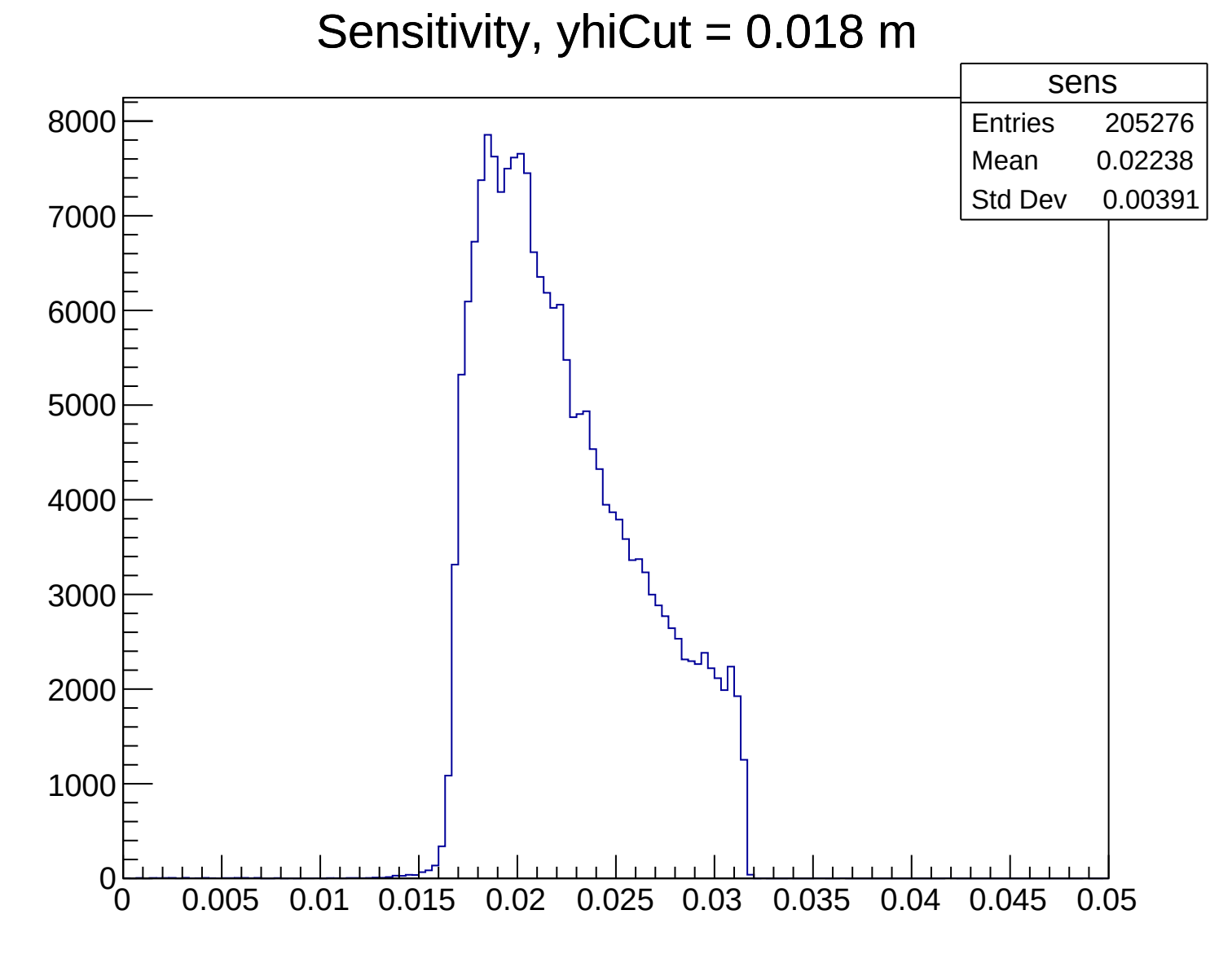

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

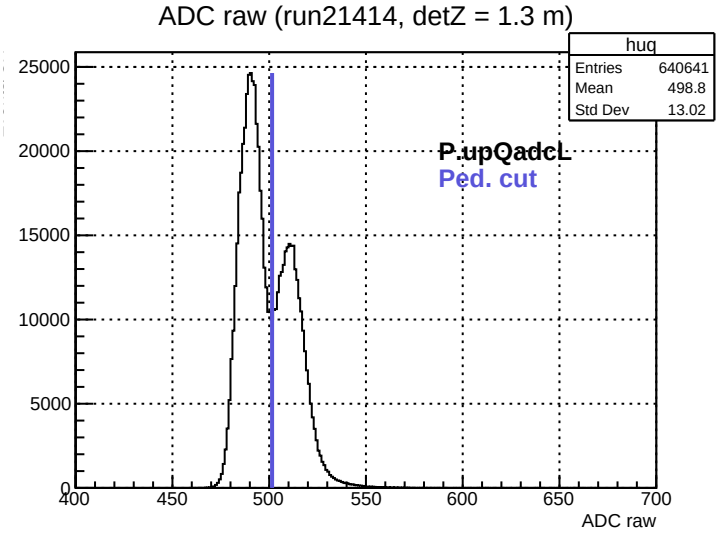

θlab (deg), yhiCut = 0.018 m
Theta
Entries 205276
Mean 4.8
Std Dev 0.456
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

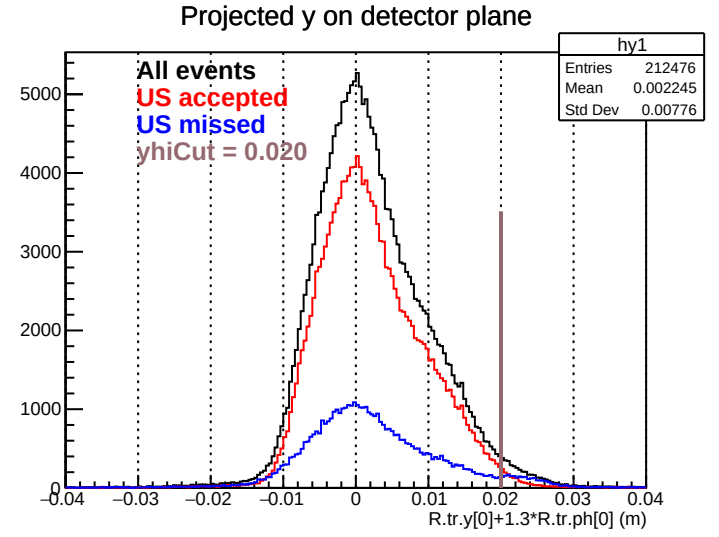

Asymmetry (ppm), yhiCut = 0.018 m
Asym
Entries 205276
Mean 0.573
Std Dev 0.08072
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

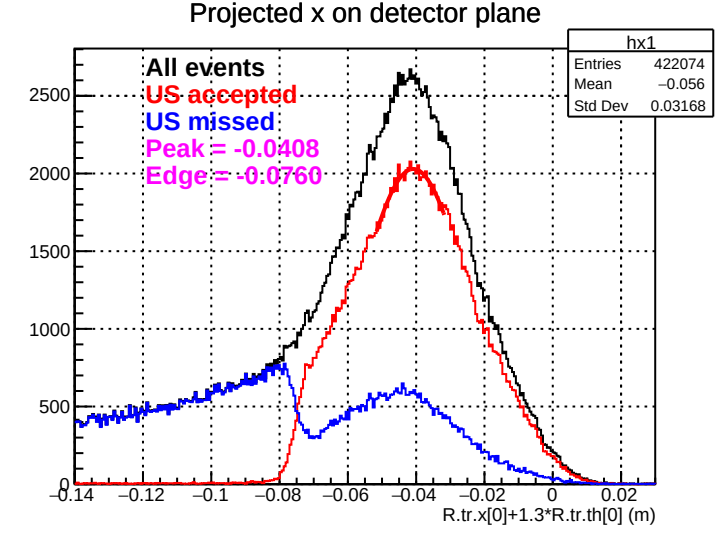

Stretched Asym. (ppm), yhiCut = 0.018 m
SAsym
Entries 205276
Mean 0.5599
Std Dev 0.07695
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

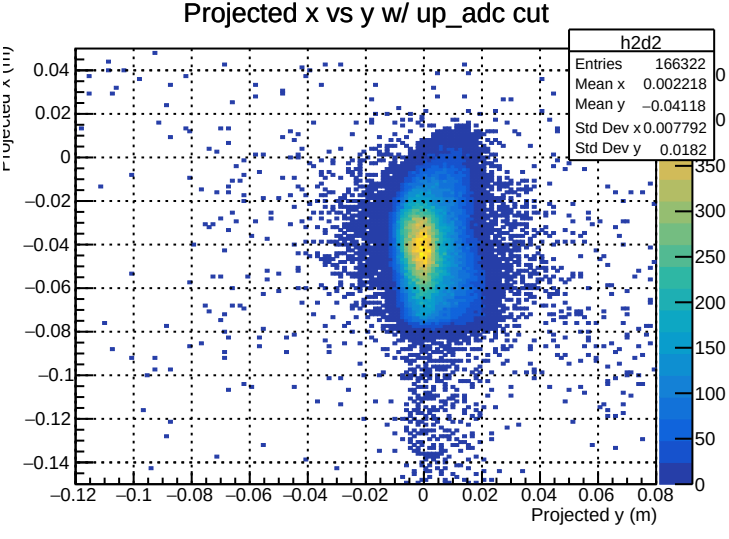

Q^2 (GeV/c)^2, yhiCut = 0.018 m
Q2
Entries 205276
Mean 0.006366
Std Dev 0.001235
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

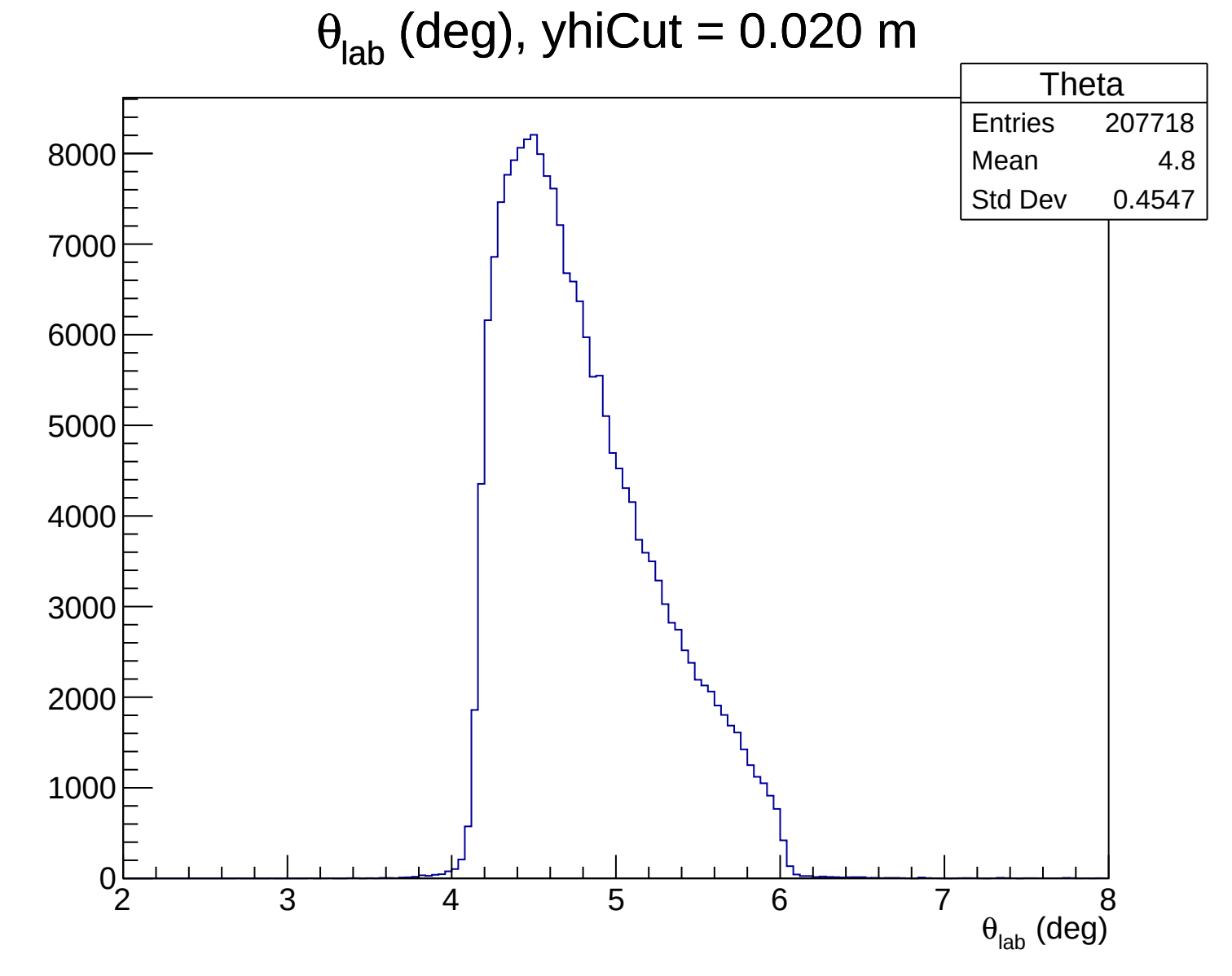

Sensitivity, yhiCut = 0.018 m
sens
Entries 205276
Mean 0.02238
Std Dev 0.00391
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

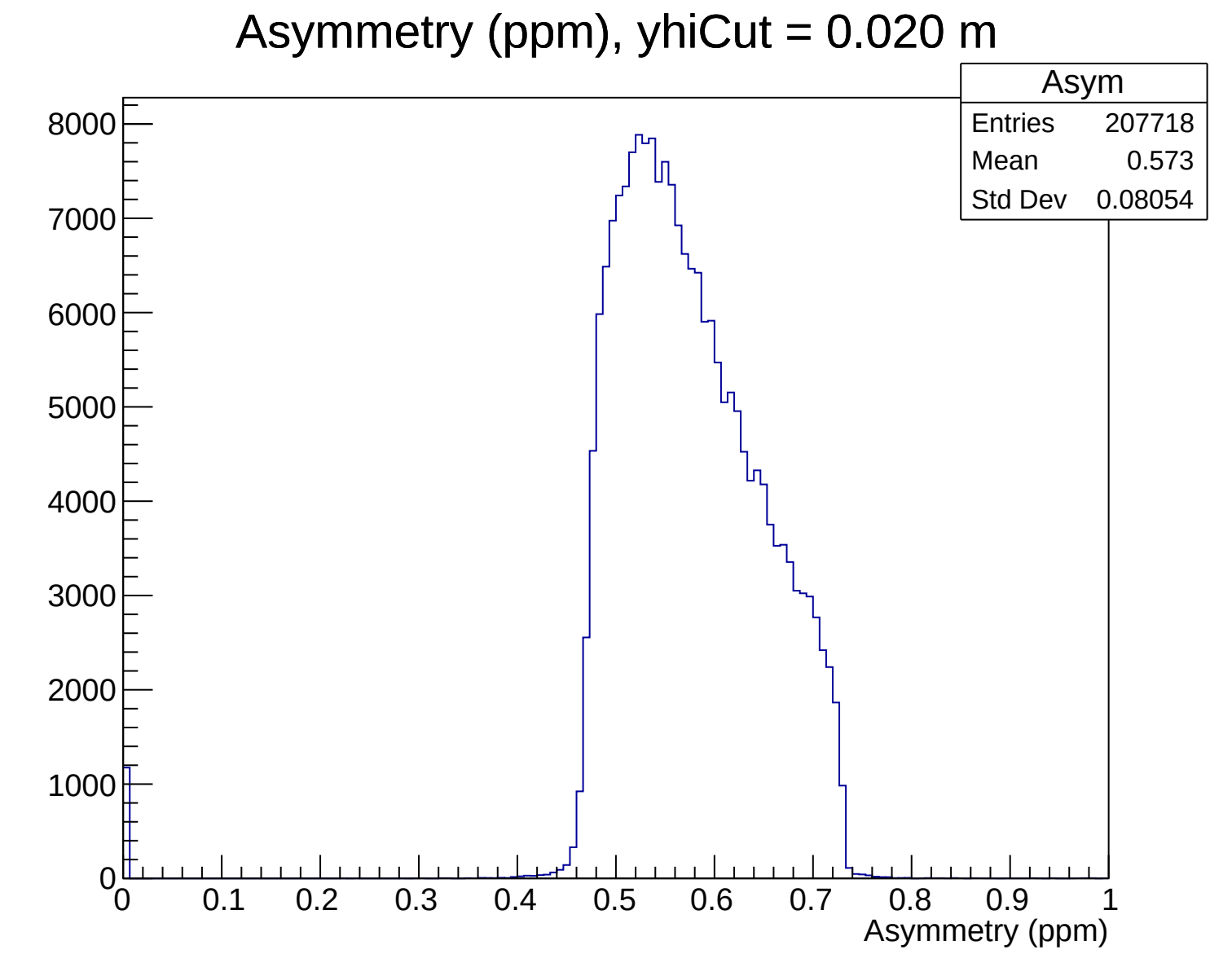

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

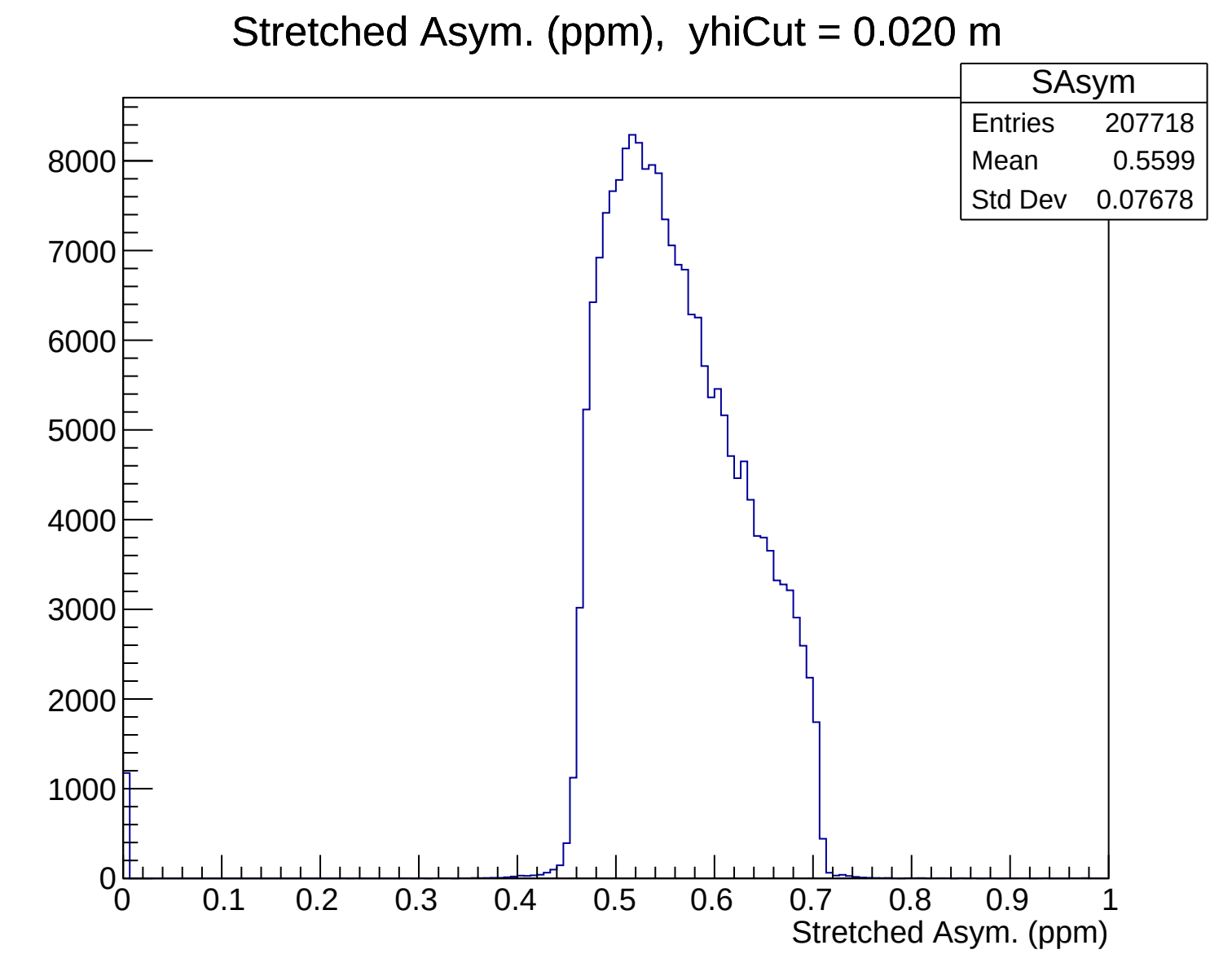

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.020
R.tr.y[0]+1.3*R.tr.ph[0] (m)

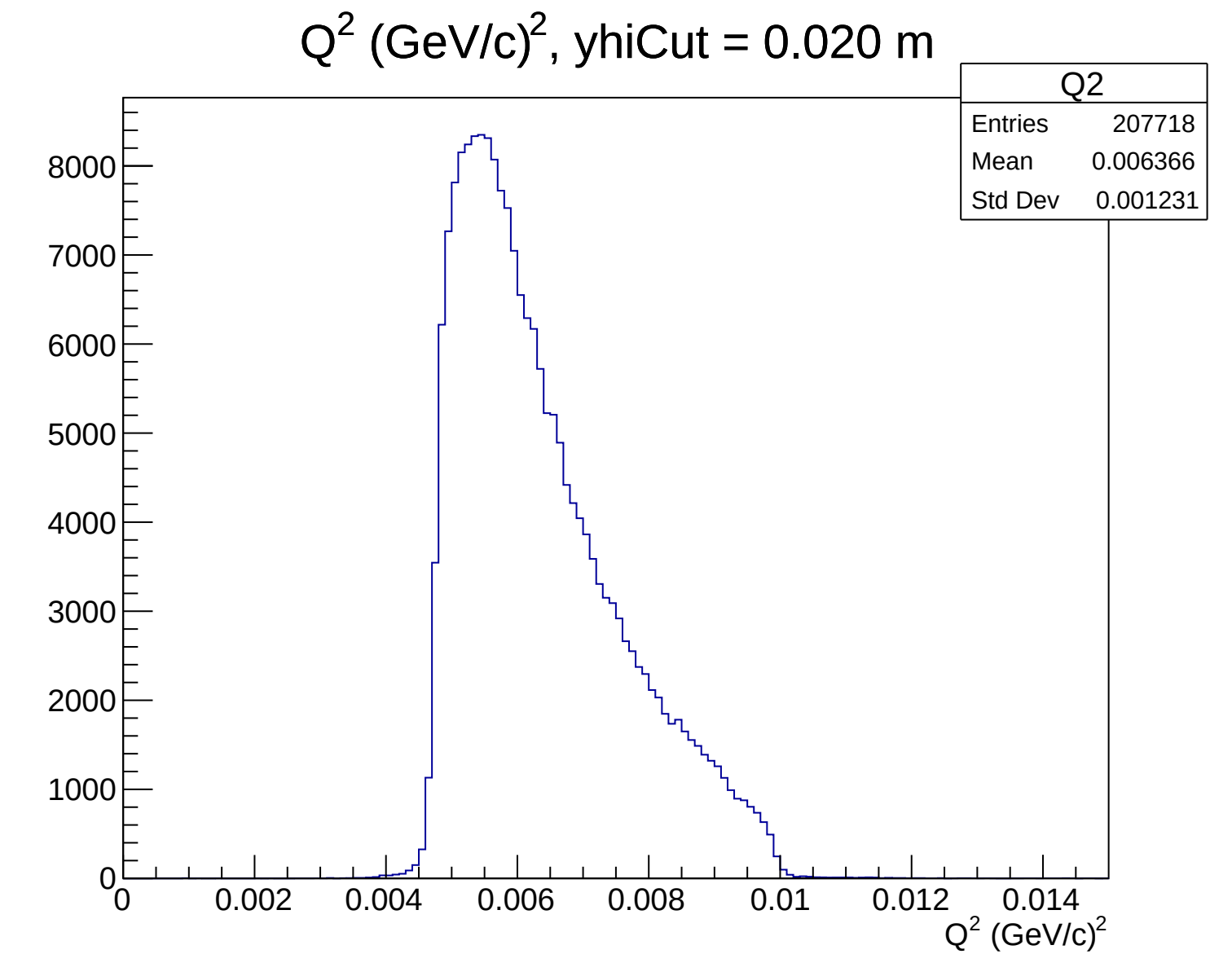

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

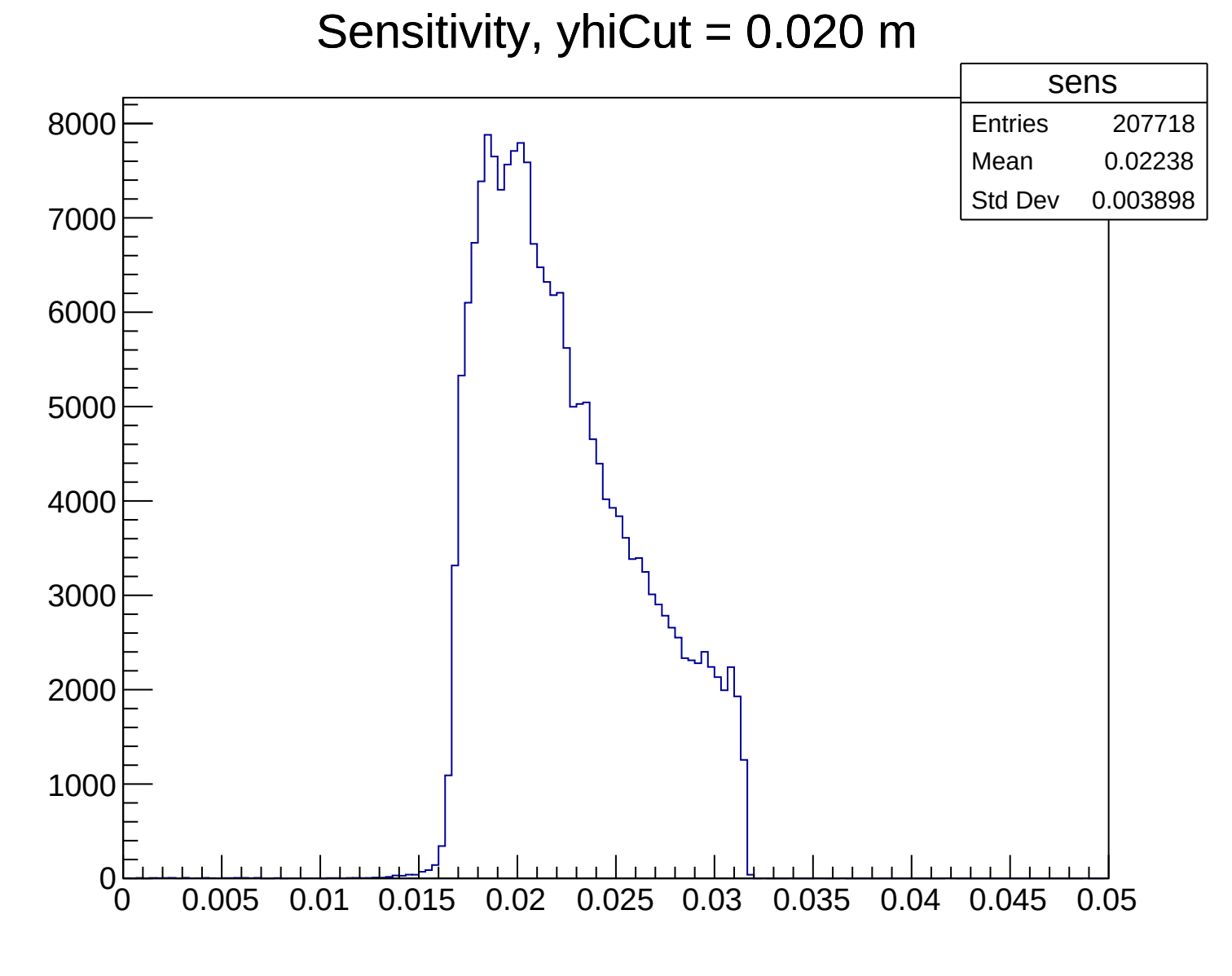

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

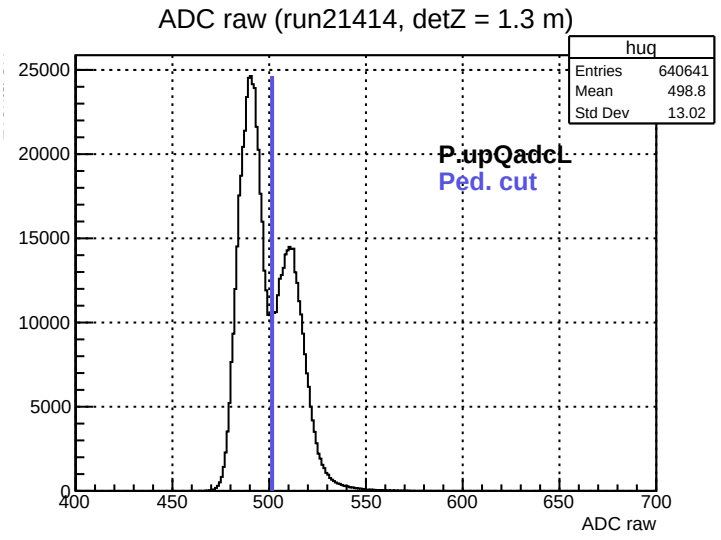

θlab (deg), yhiCut = 0.020 m
Theta
Entries 207718
Mean 4.8
Std Dev 0.4547
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

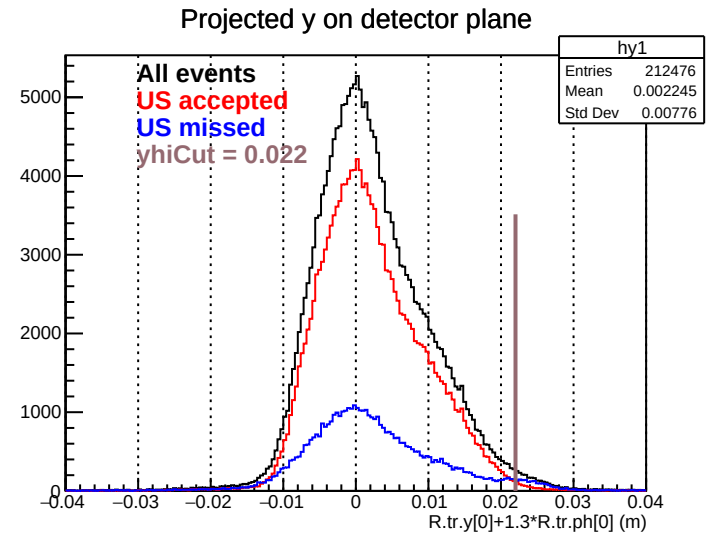

Asymmetry (ppm), yhiCut = 0.020 m
Asym
Entries 207718
Mean 0.573
Std Dev 0.08054
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

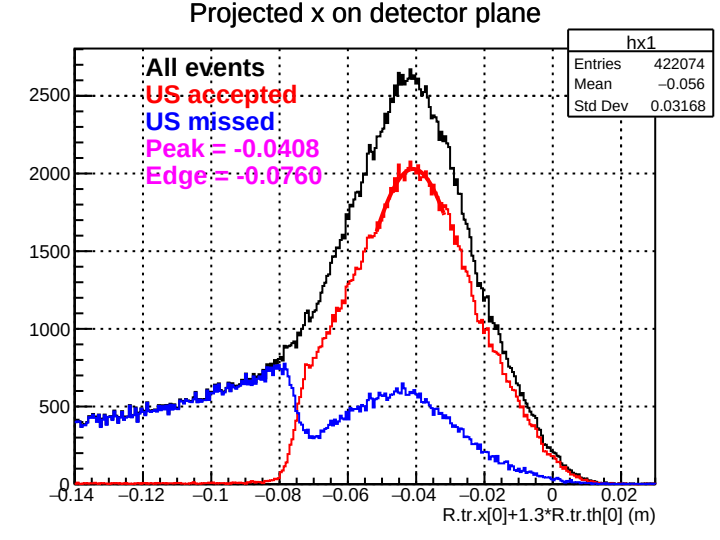

Stretched Asym. (ppm), yhiCut = 0.020 m
SAsym
Entries 207718
Mean 0.5599
Std Dev 0.07678
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

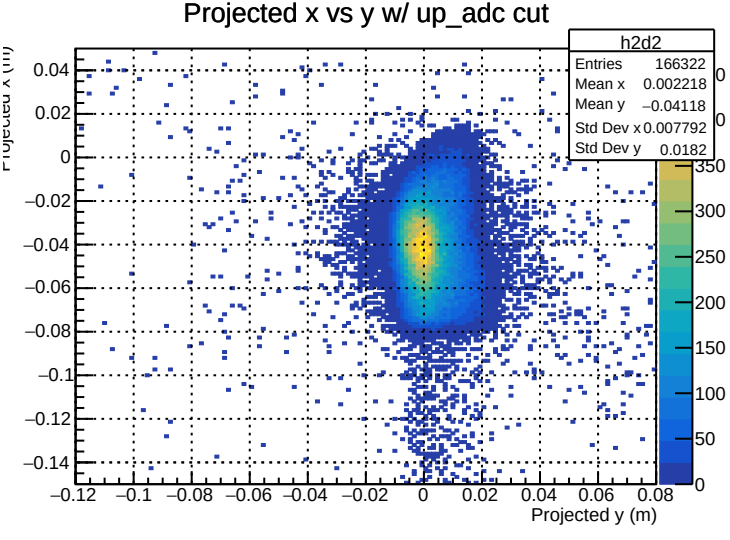

Q^2 (GeV/c)^2, yhiCut = 0.020 m
Q2
Entries 207718
Mean 0.006366
Std Dev 0.001231
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

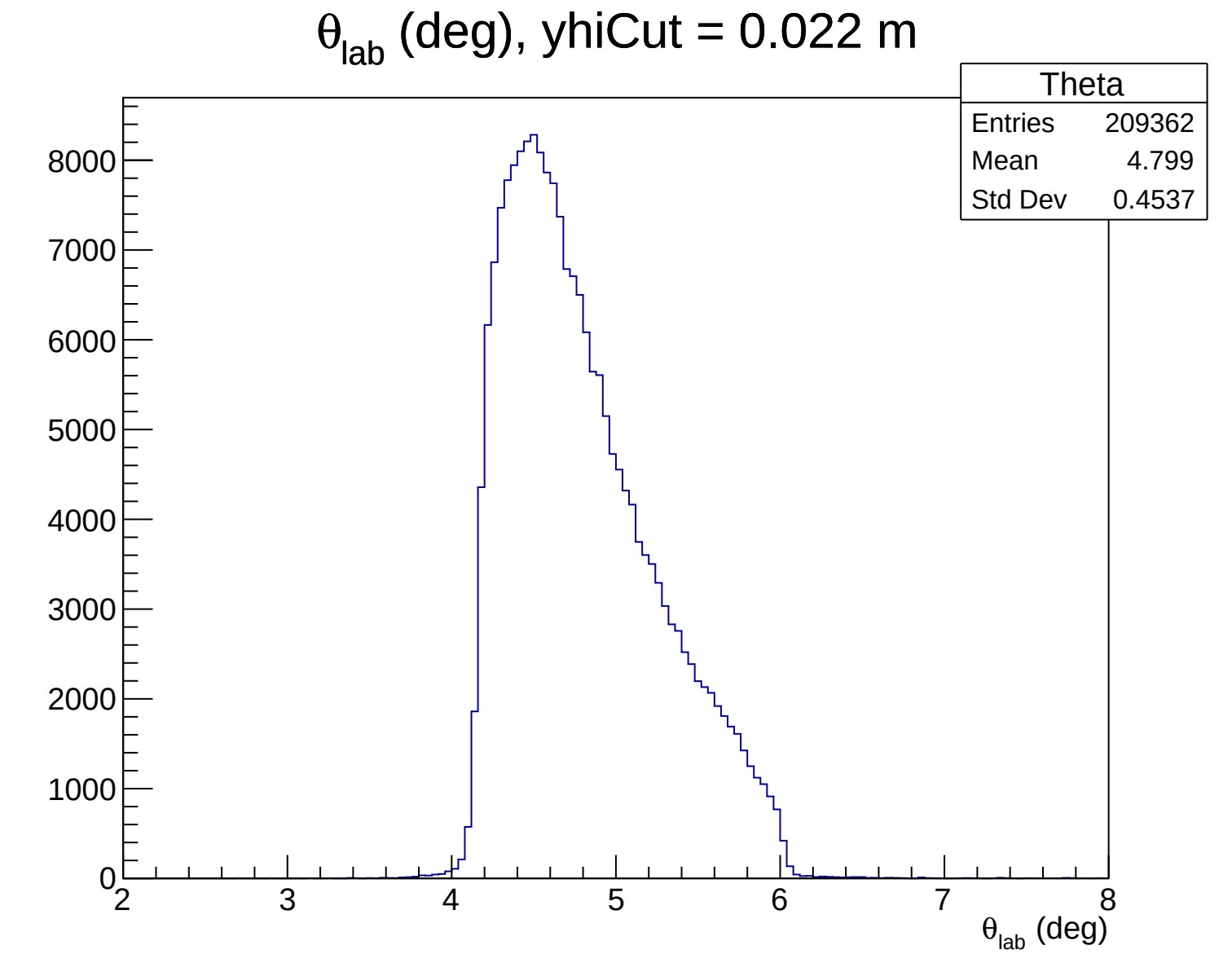

Sensitivity, yhiCut = 0.020 m
sens
Entries 207718
Mean 0.02238
Std Dev 0.003898
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

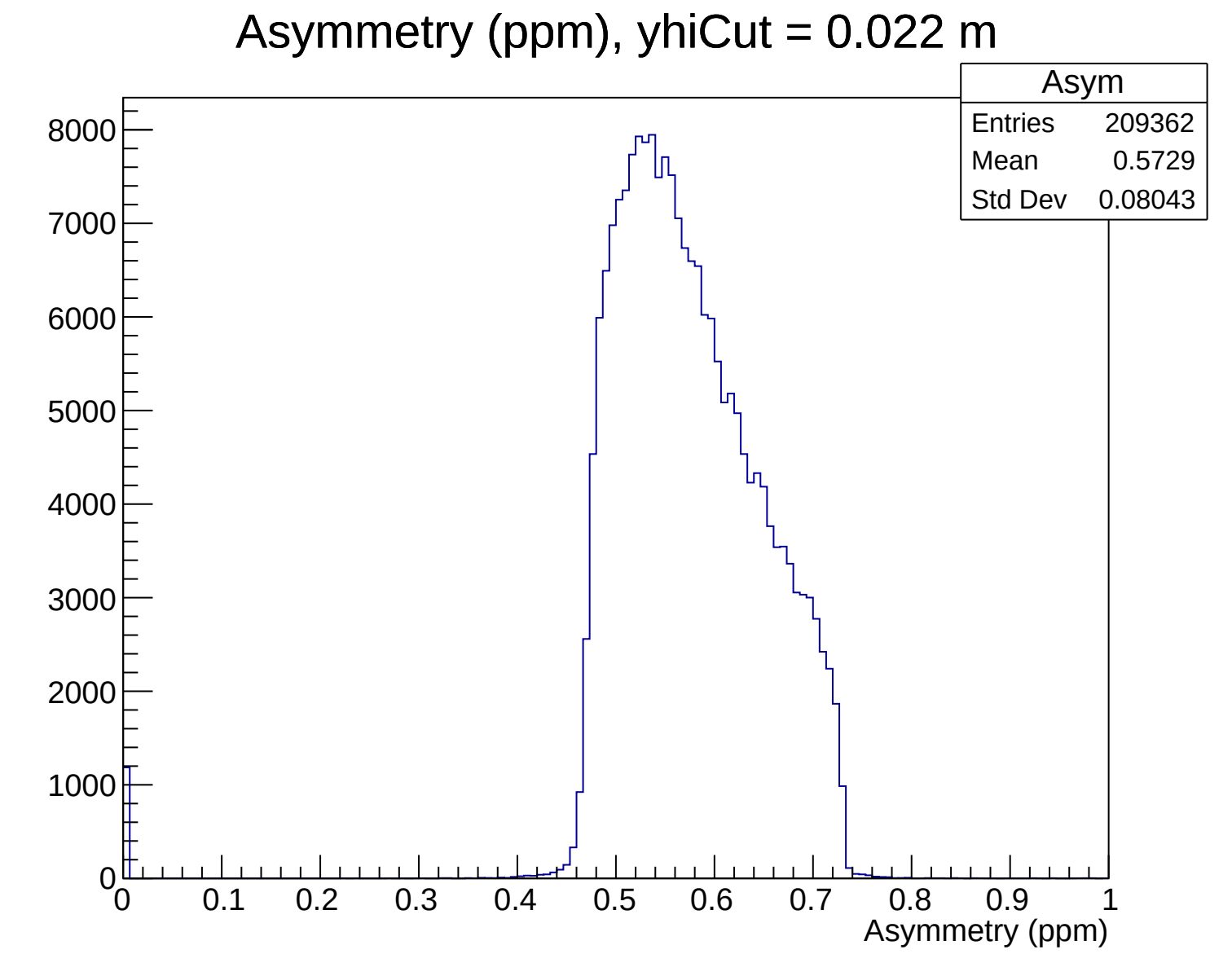

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

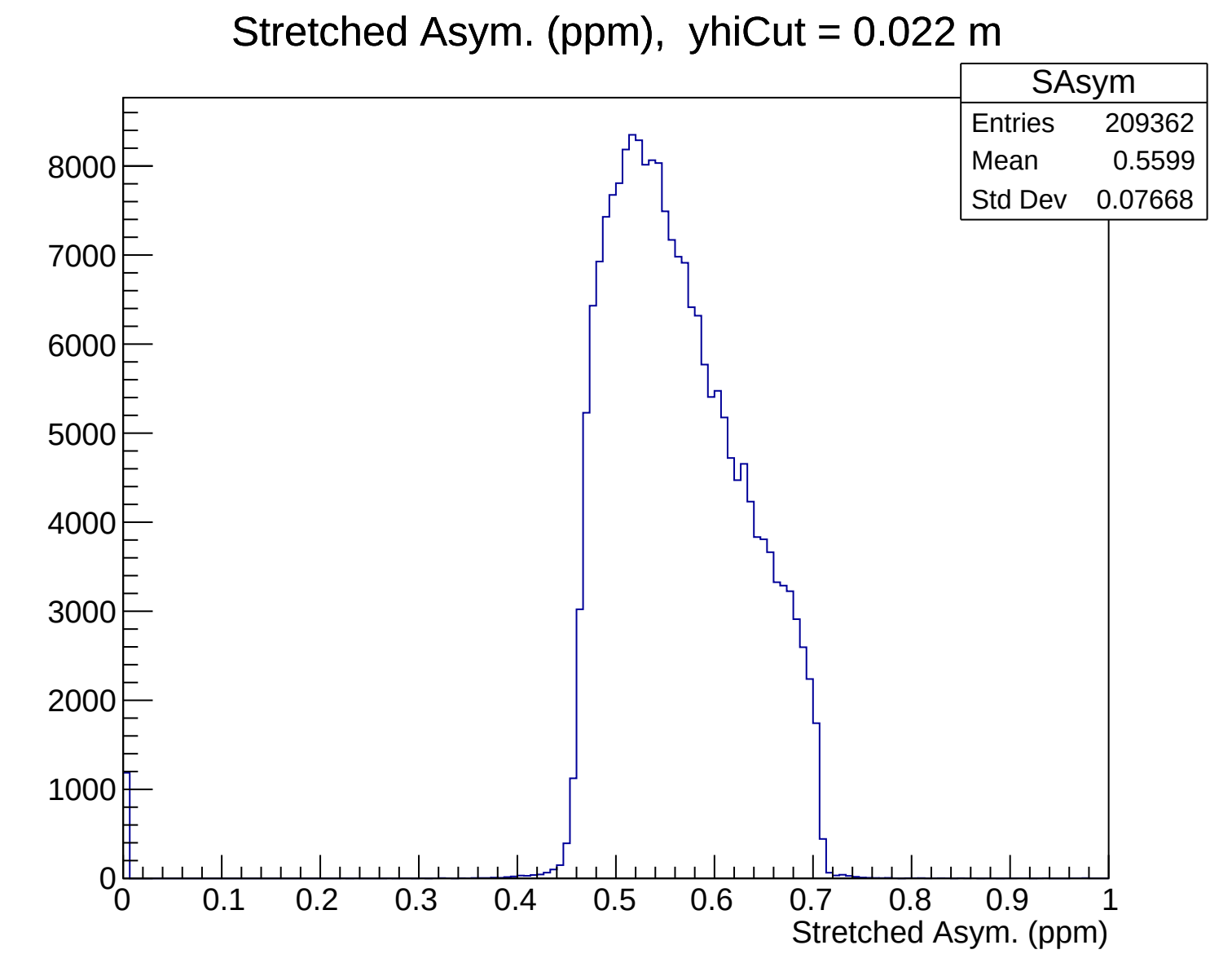

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.022
R.tr.y[0]+1.3*R.tr.ph[0] (m)

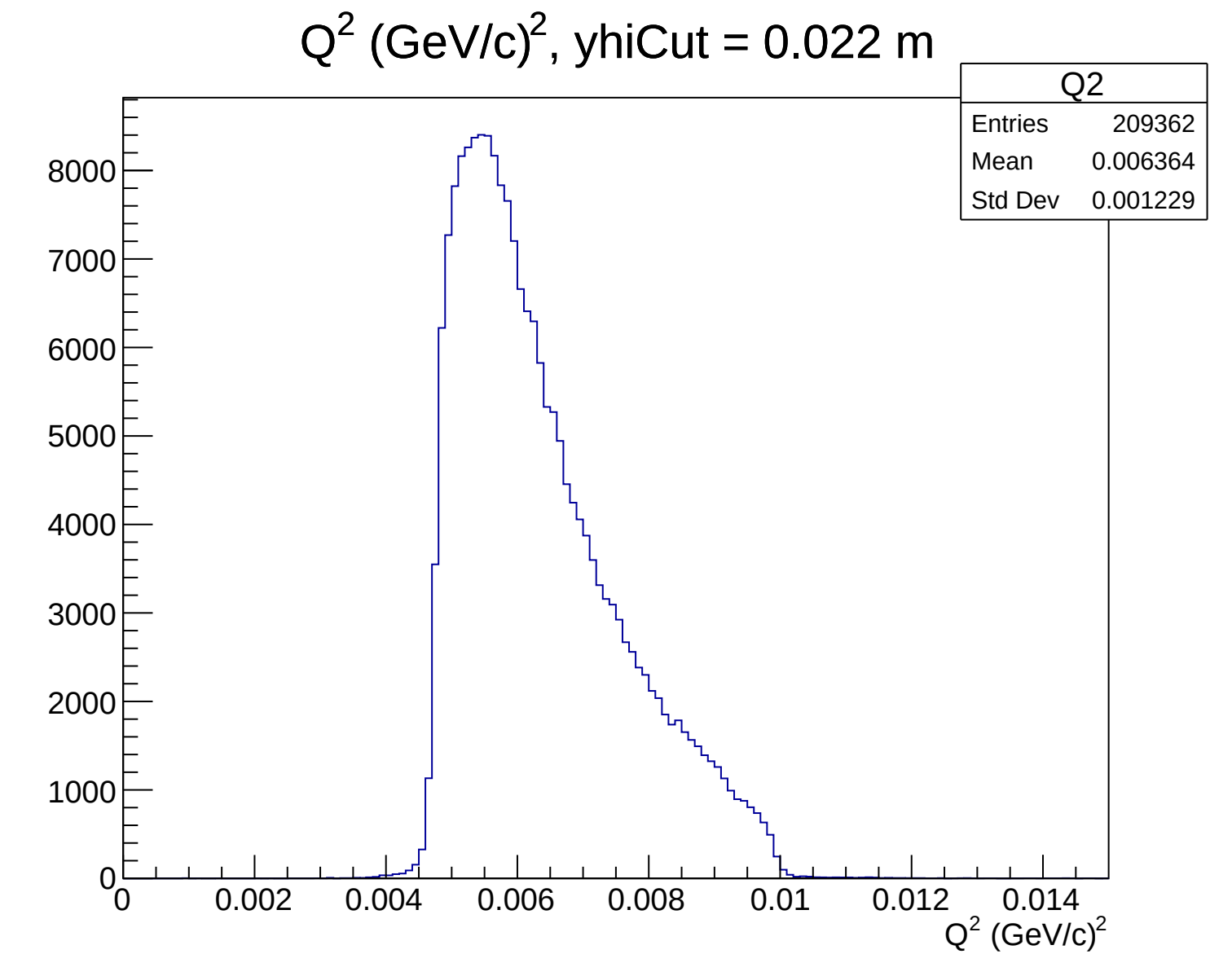

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

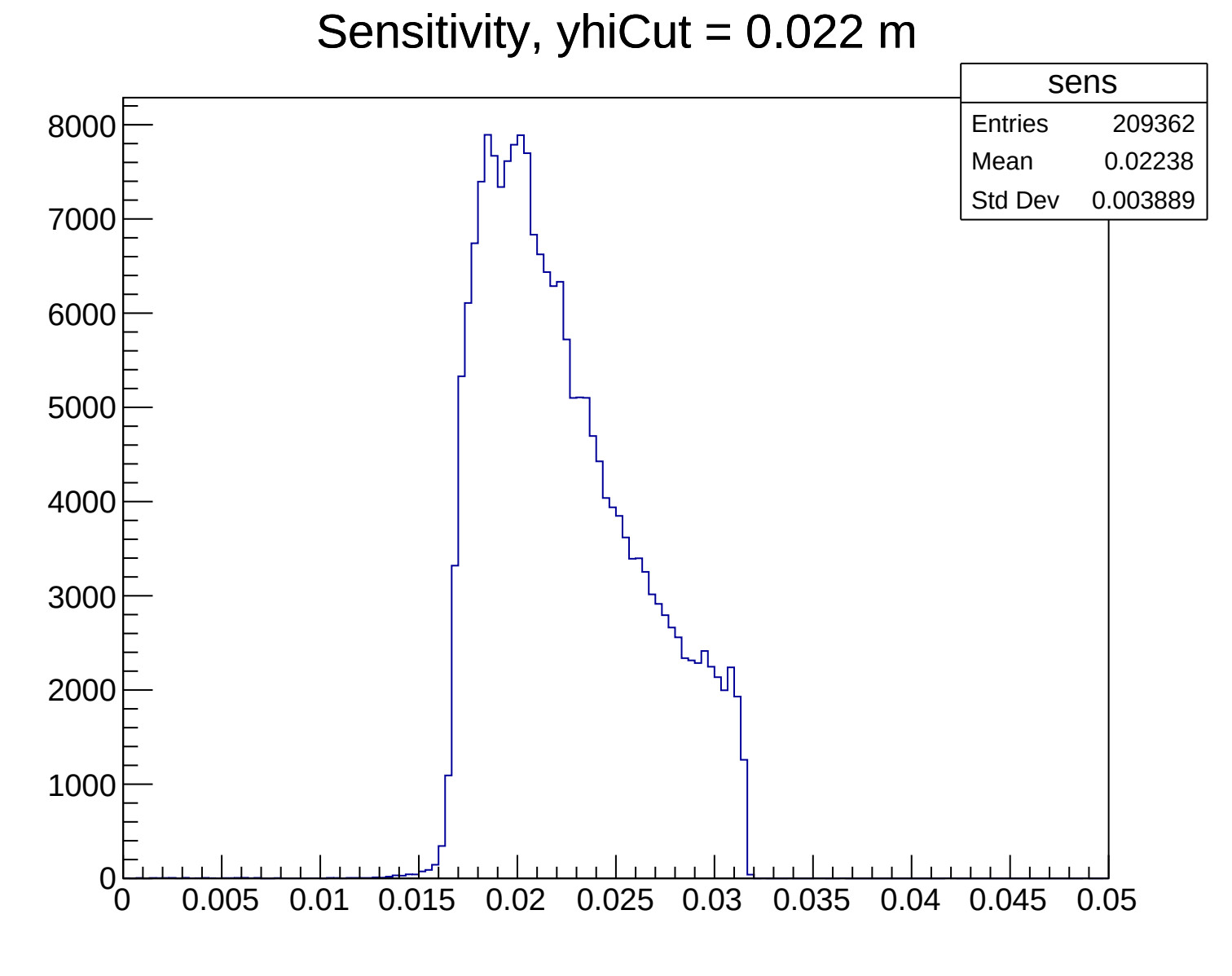

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

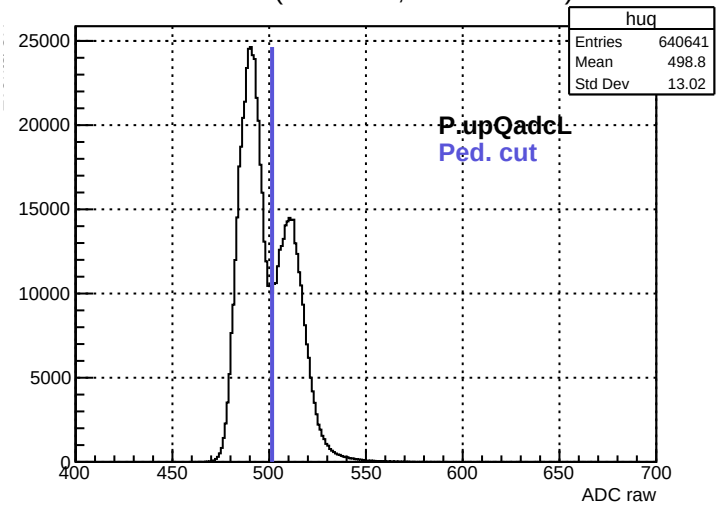

θlab (deg), yhiCut = 0.022 m
Theta
Entries 209362
Mean 4.799
Std Dev 0.4537
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

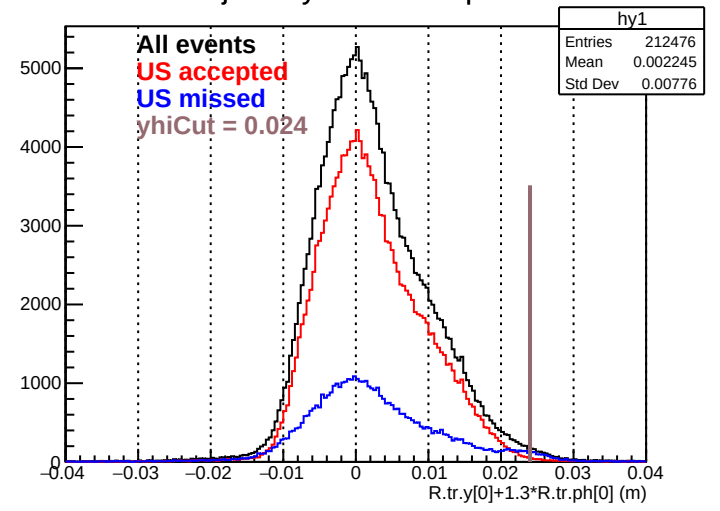

Asymmetry (ppm), yhiCut = 0.022 m
Asym
Entries 209362
Mean 0.5729
Std Dev 0.08043
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

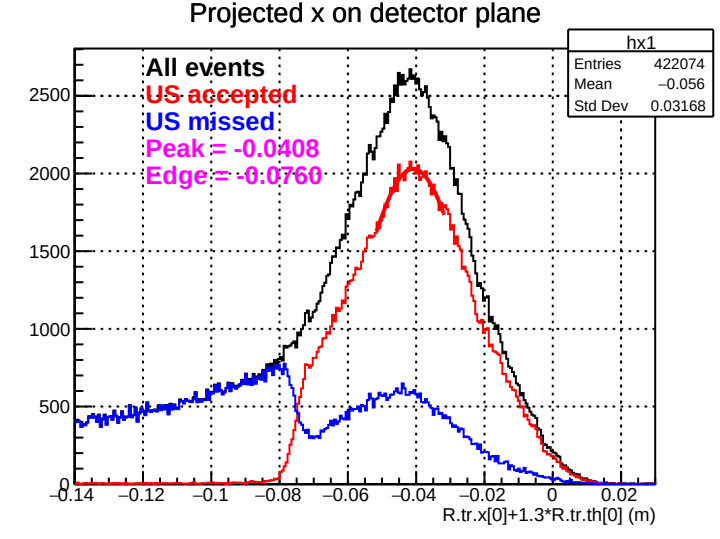

Stretched Asym. (ppm), yhiCut = 0.022 m
SAsym
Entries 209362
Mean 0.5599
Std Dev 0.07668
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

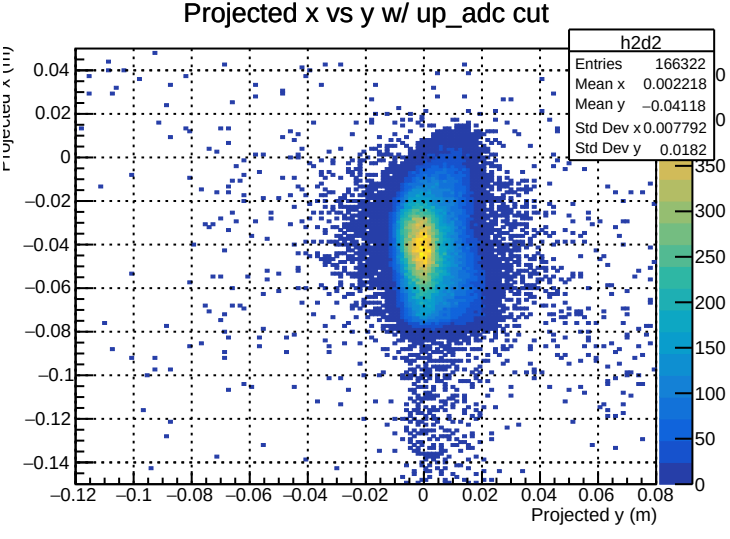

Q^2 (GeV/c)^2, yhiCut = 0.022 m
Q2
Entries 209362
Mean 0.006364
Std Dev 0.001229
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

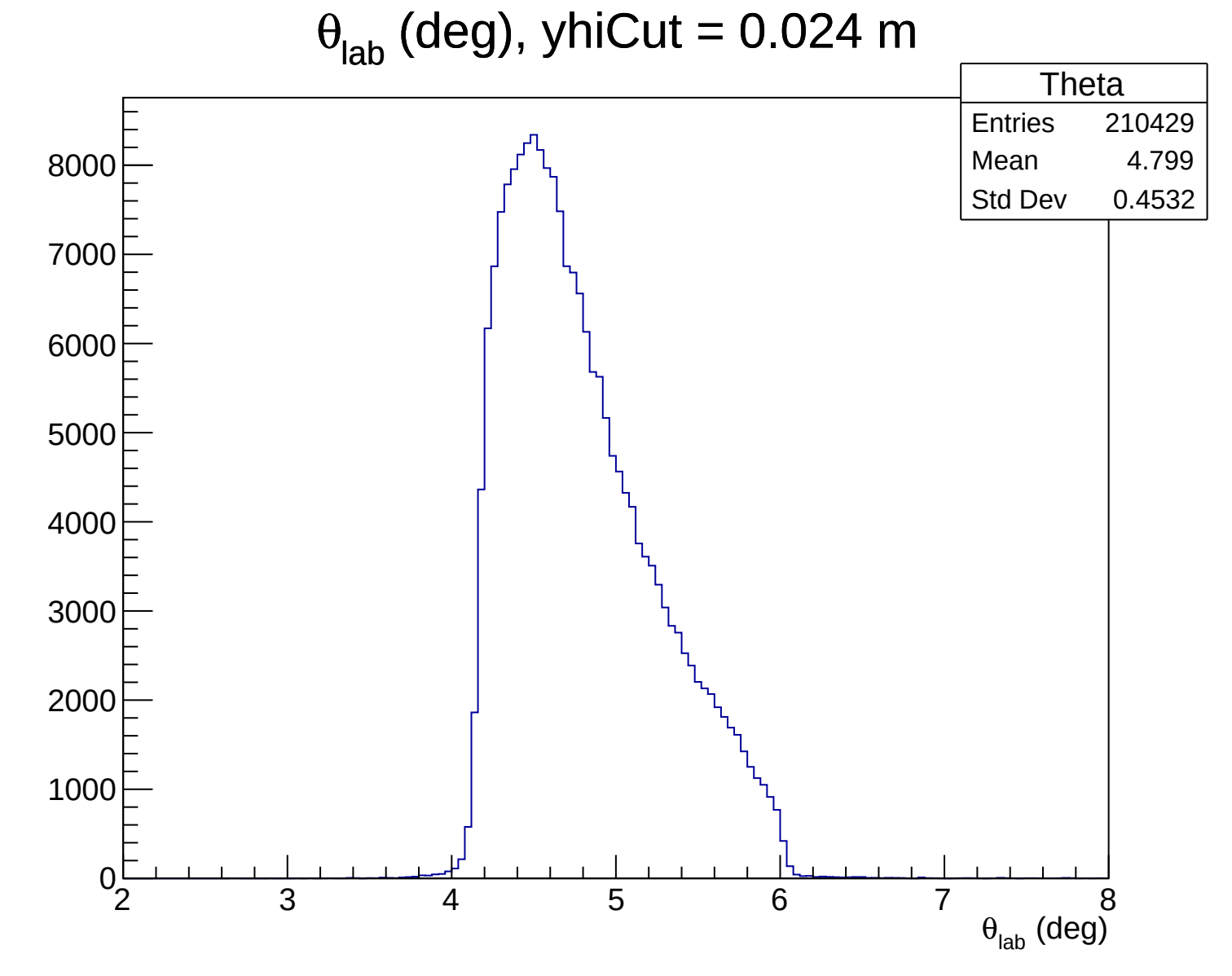

Sensitivity, yhiCut = 0.022 m
sens
Entries 209362
Mean 0.02238
Std Dev 0.003889
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

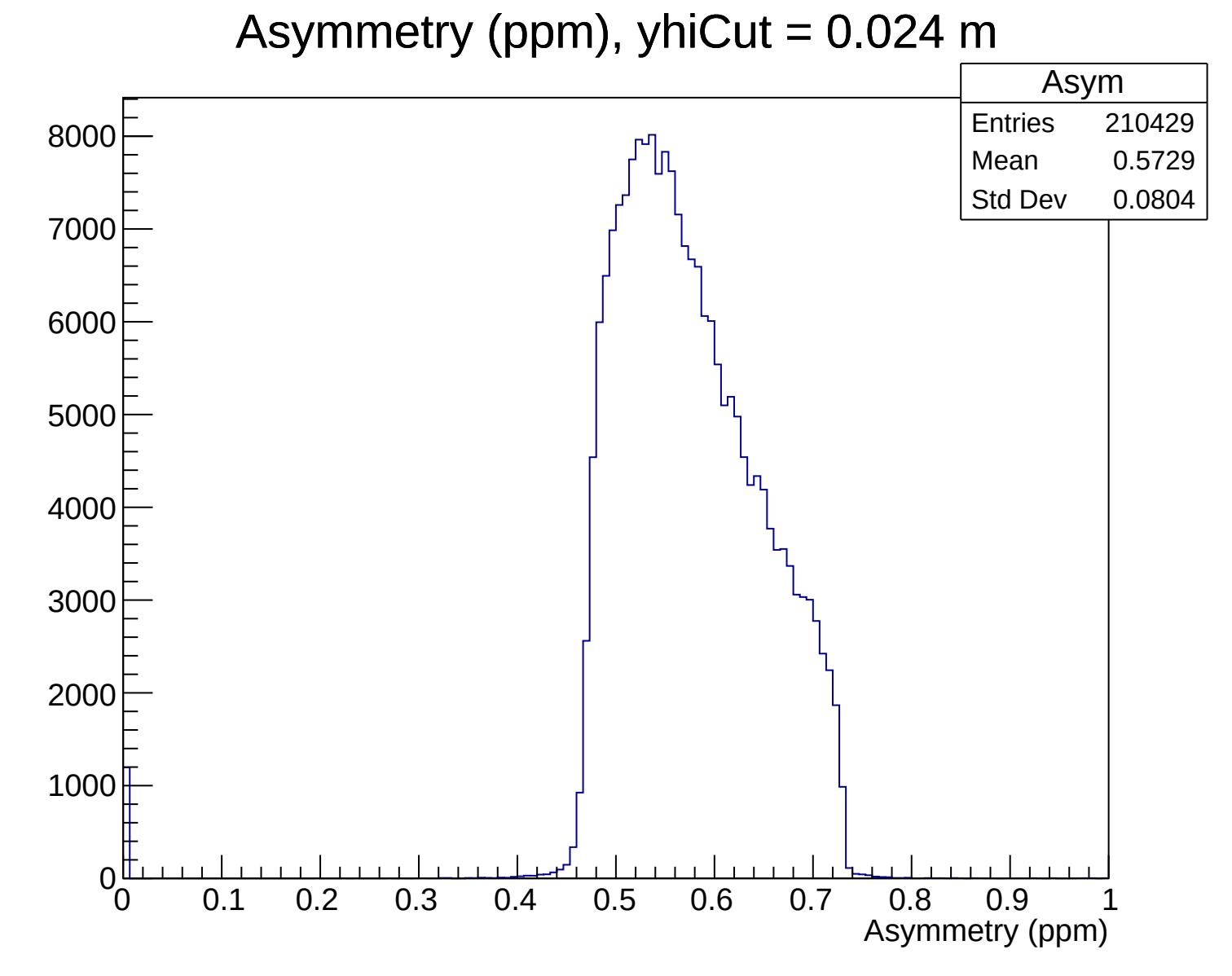

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

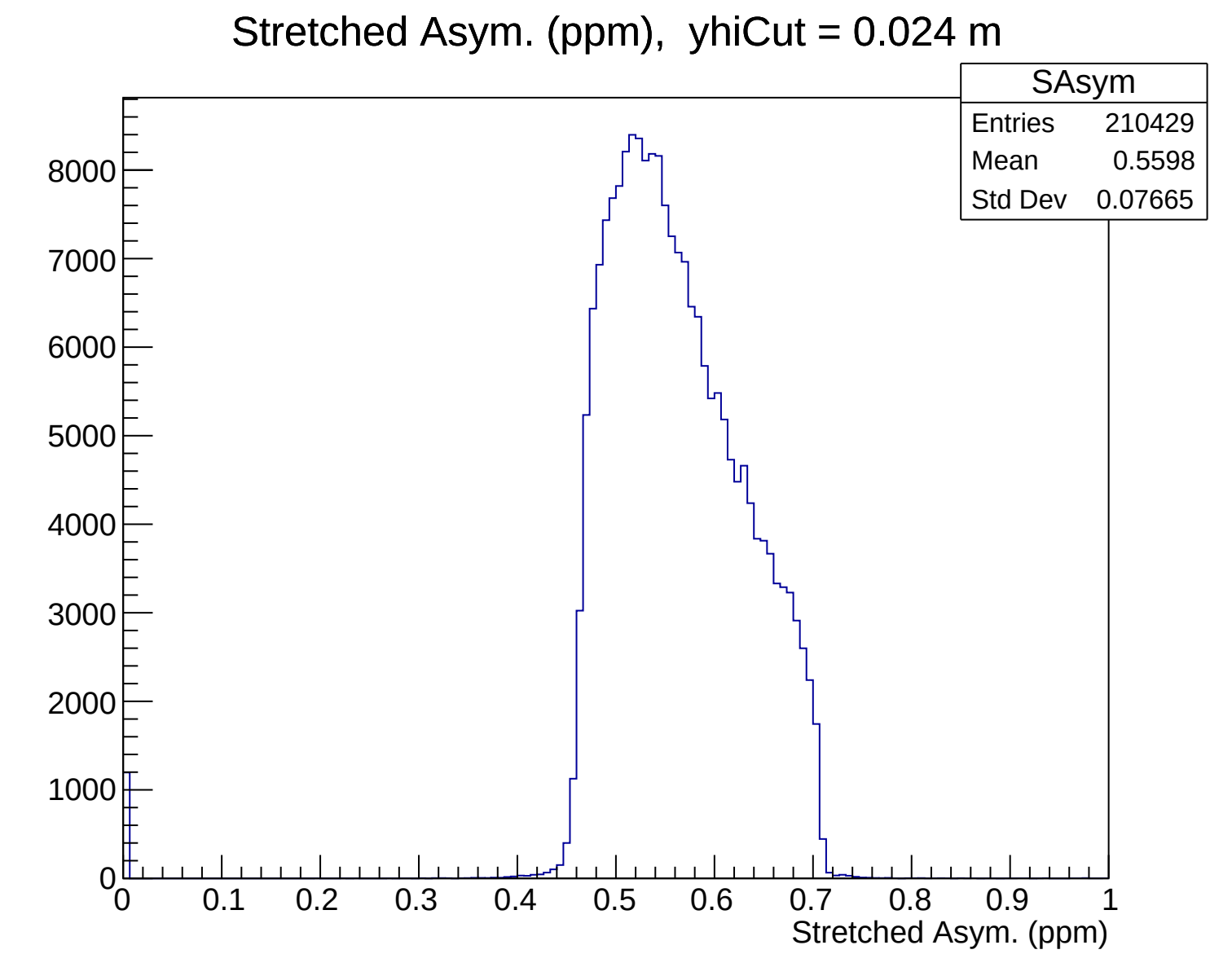

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.024
R.tr.y[0]+1.3*R.tr.ph[0] (m)

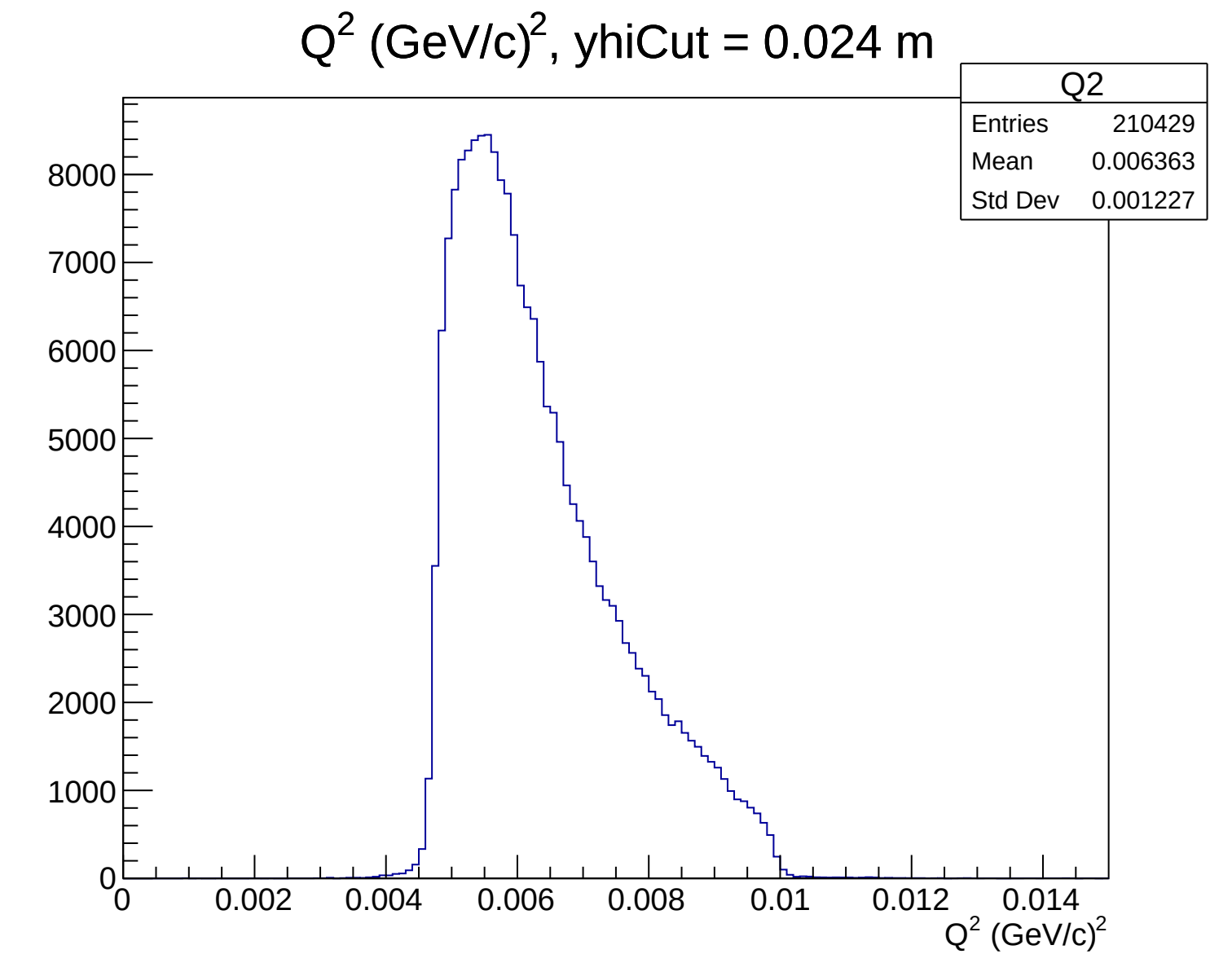

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

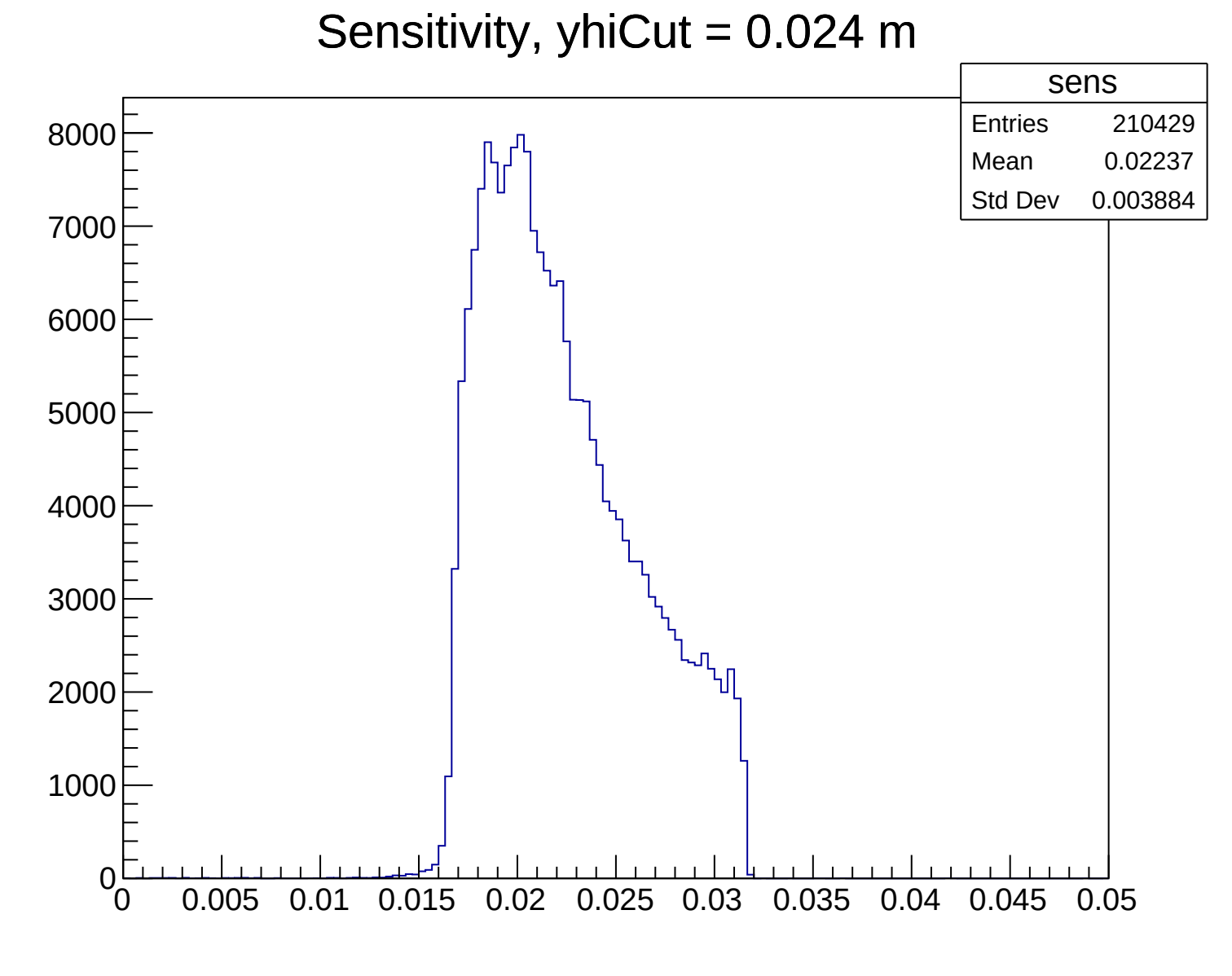

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

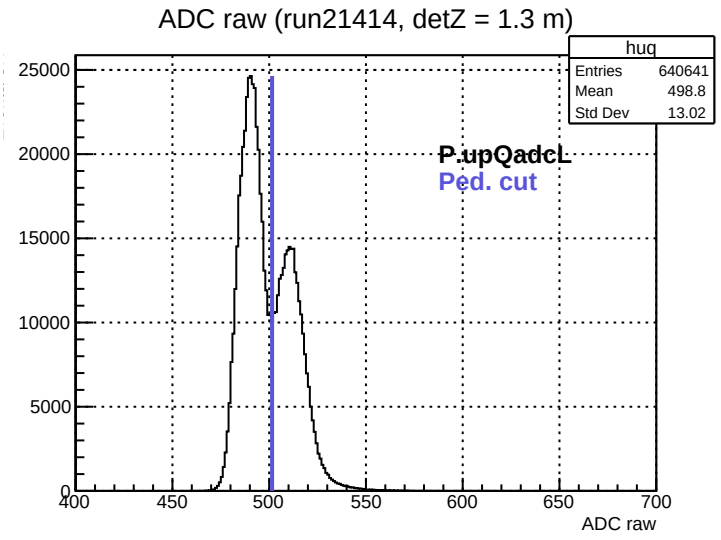

θlab (deg), yhiCut = 0.024 m
Theta
Entries 210429
Mean 4.799
Std Dev 0.4532
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

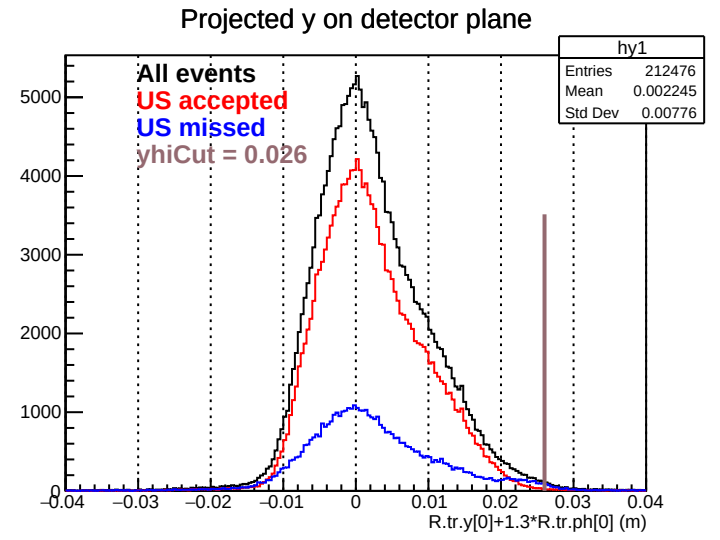

Asymmetry (ppm), yhiCut = 0.024 m
Asym
Entries 210429
Mean 0.5729
Std Dev 0.0804
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

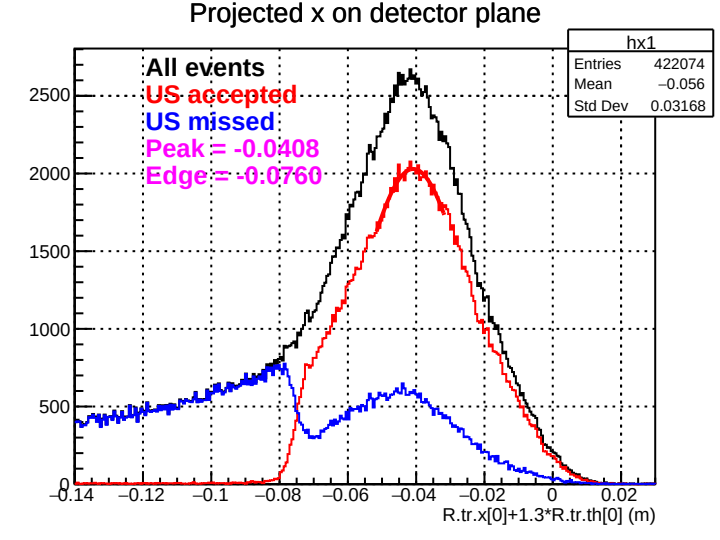

Stretched Asym. (ppm), yhiCut = 0.024 m
SAsym
Entries 210429
Mean 0.5598
Std Dev 0.07665
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

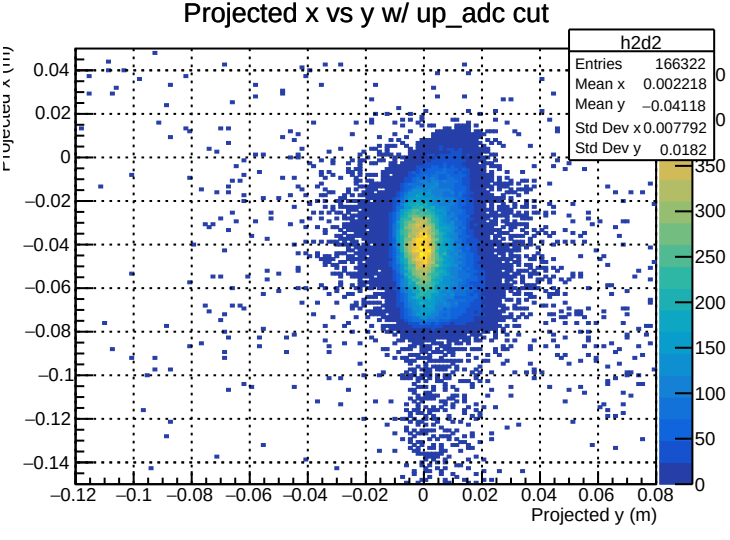

Q^2 (GeV/c)^2, yhiCut = 0.024 m
Q2
Entries 210429
Mean 0.006363
Std Dev 0.001227
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

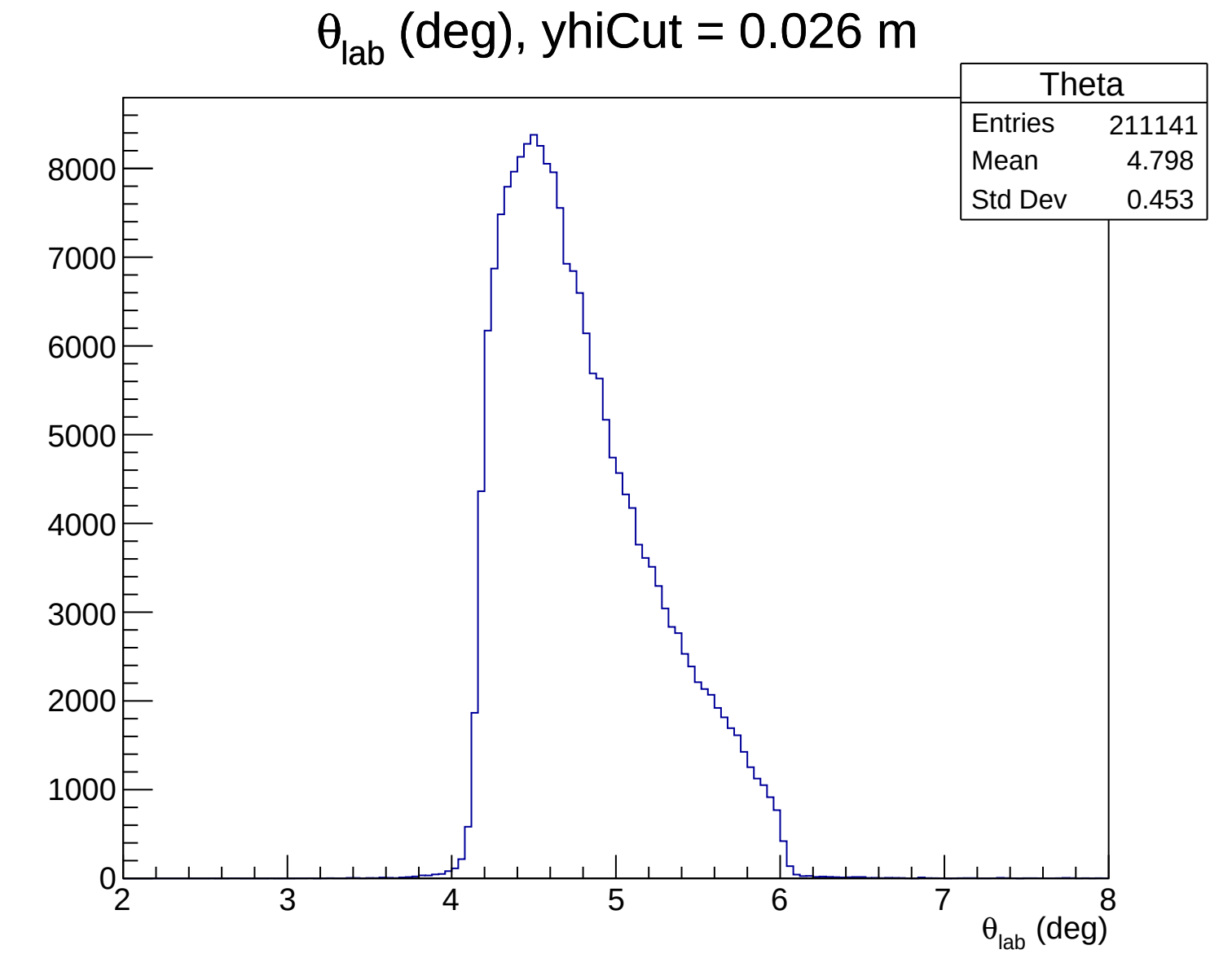

Sensitivity, yhiCut = 0.024 m
sens
Entries 210429
Mean 0.02237
Std Dev 0.003884
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

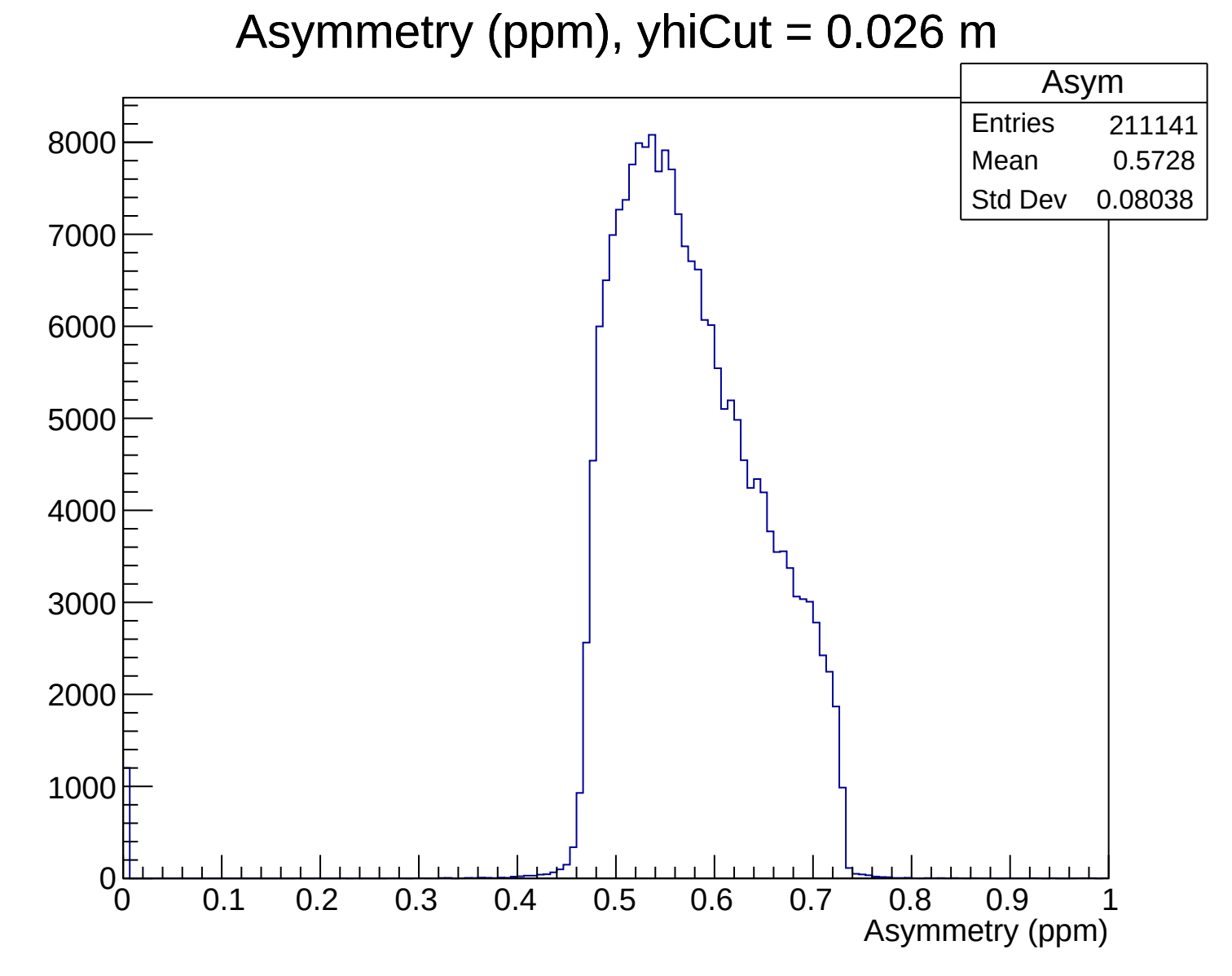

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

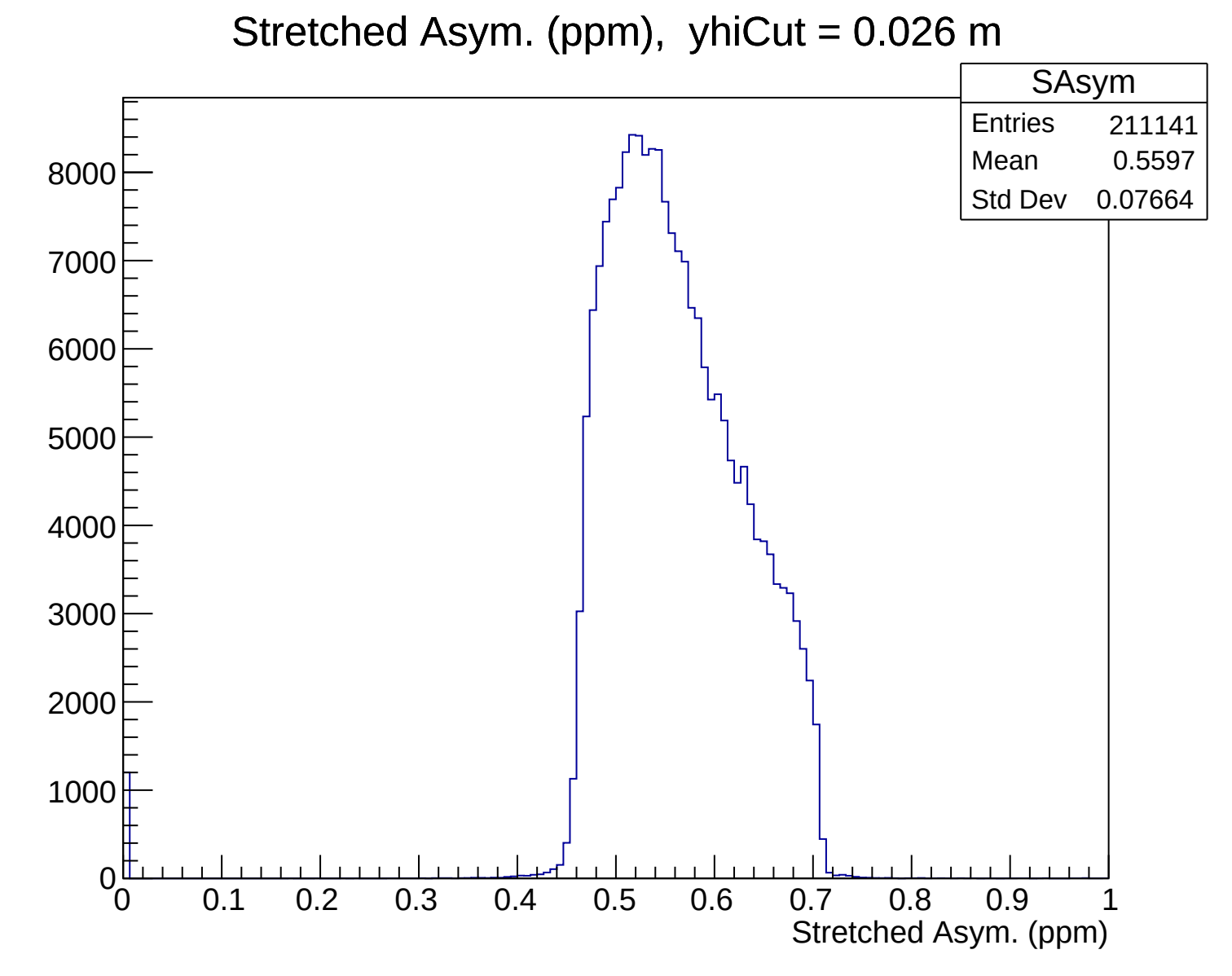

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.026
R.tr.y[0]+1.3*R.tr.ph[0] (m)

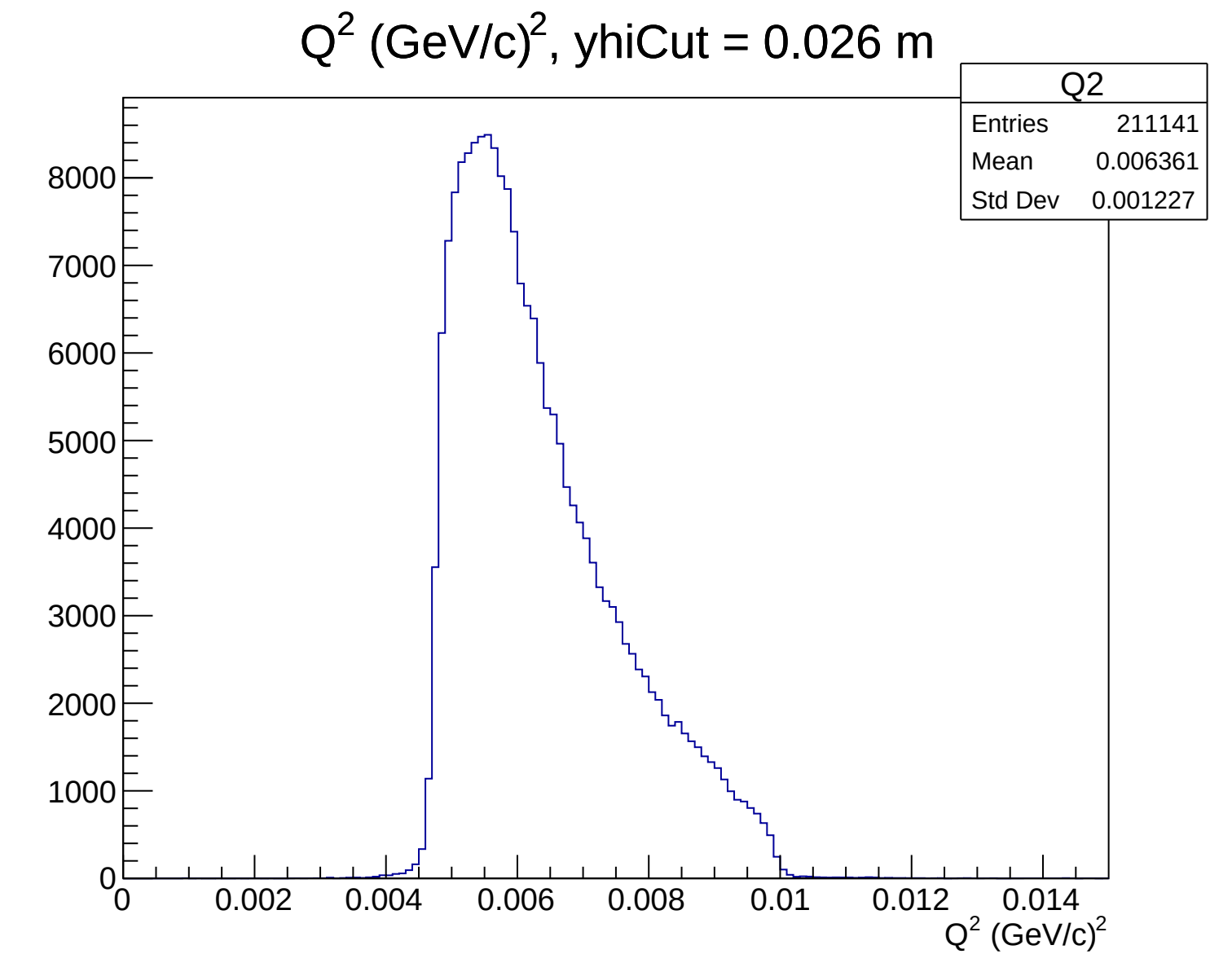

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

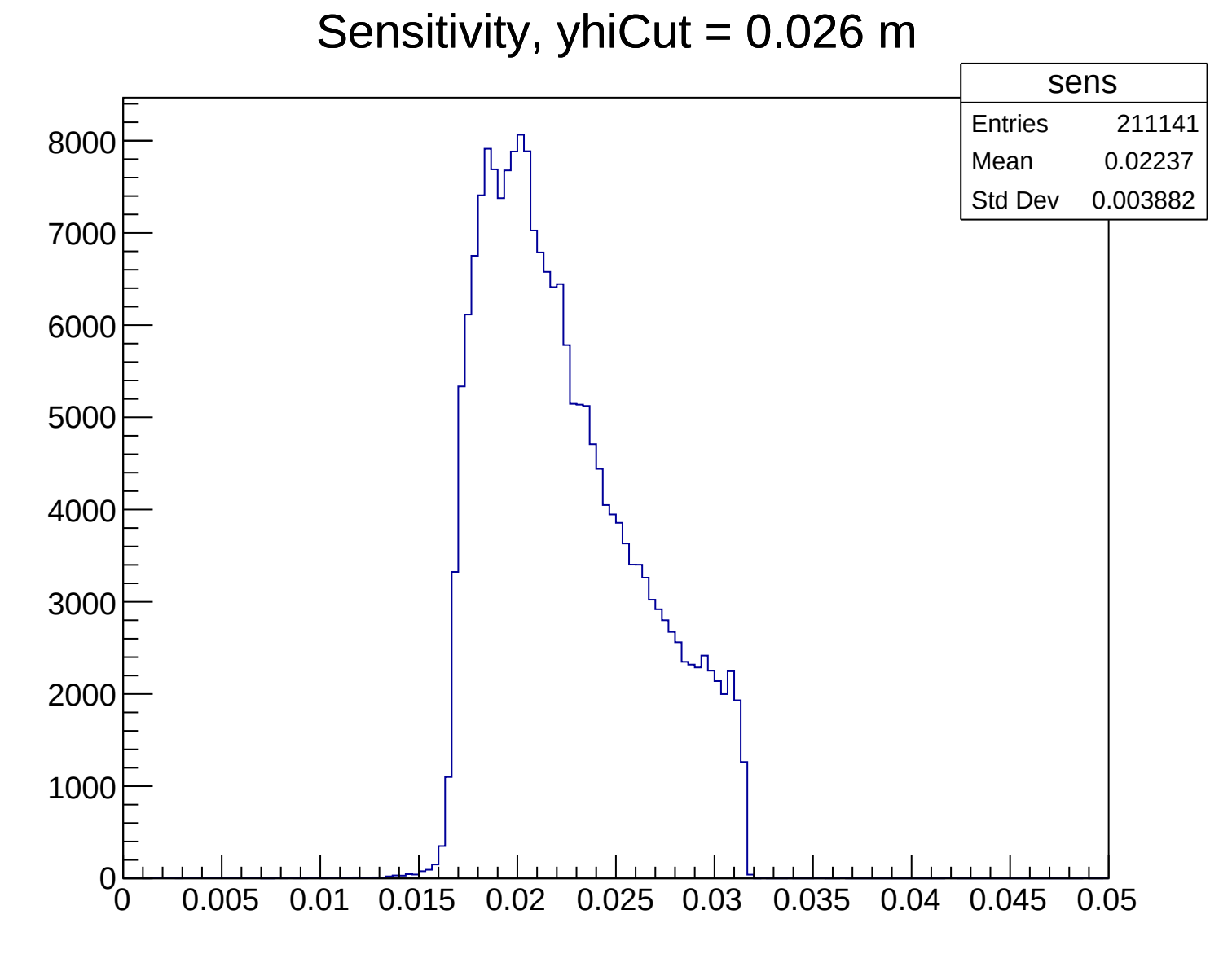

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

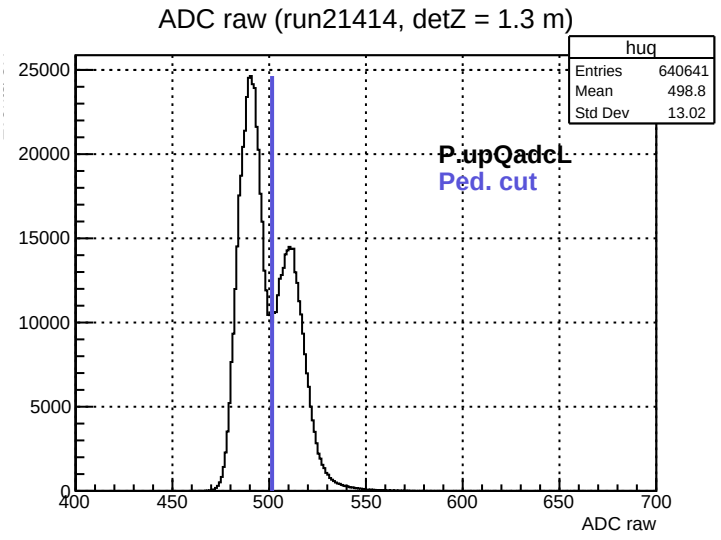

θlab (deg), yhiCut = 0.026 m
Theta
Entries 211141
Mean 4.798
Std Dev 0.453
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

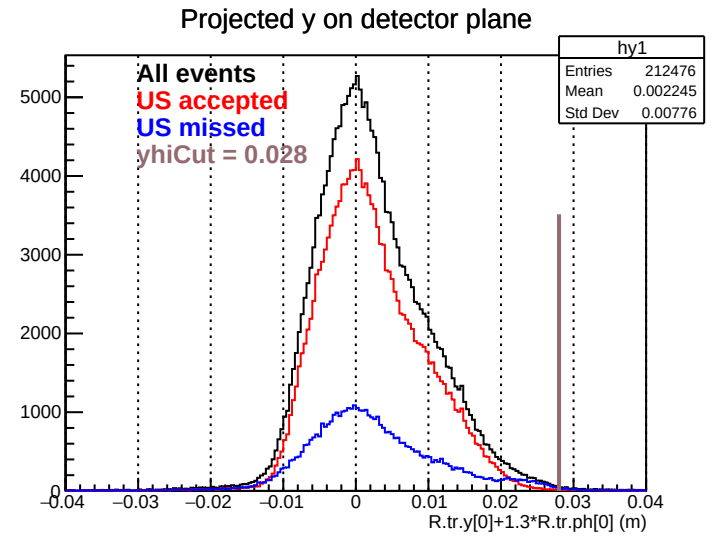

Asymmetry (ppm), yhiCut = 0.026 m
Asym
Entries 211141
Mean 0.5728
Std Dev 0.08038
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

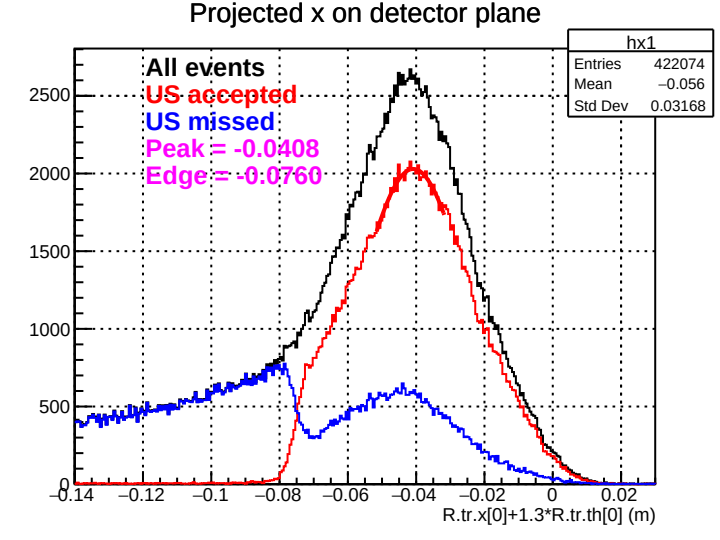

Stretched Asym. (ppm), yhiCut = 0.026 m
SAsym
Entries 211141
Mean 0.5597
Std Dev 0.07664
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

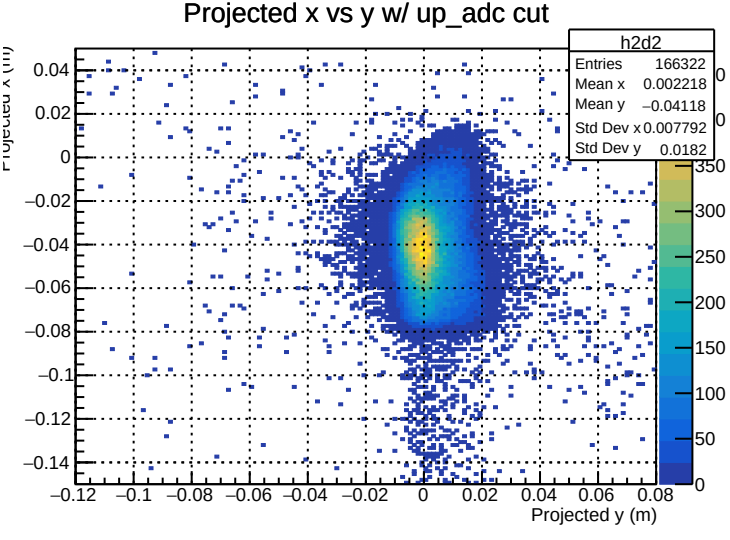

Q^2 (GeV/c)^2, yhiCut = 0.026 m
Q2
Entries 211141
Mean 0.006361
Std Dev 0.001227
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

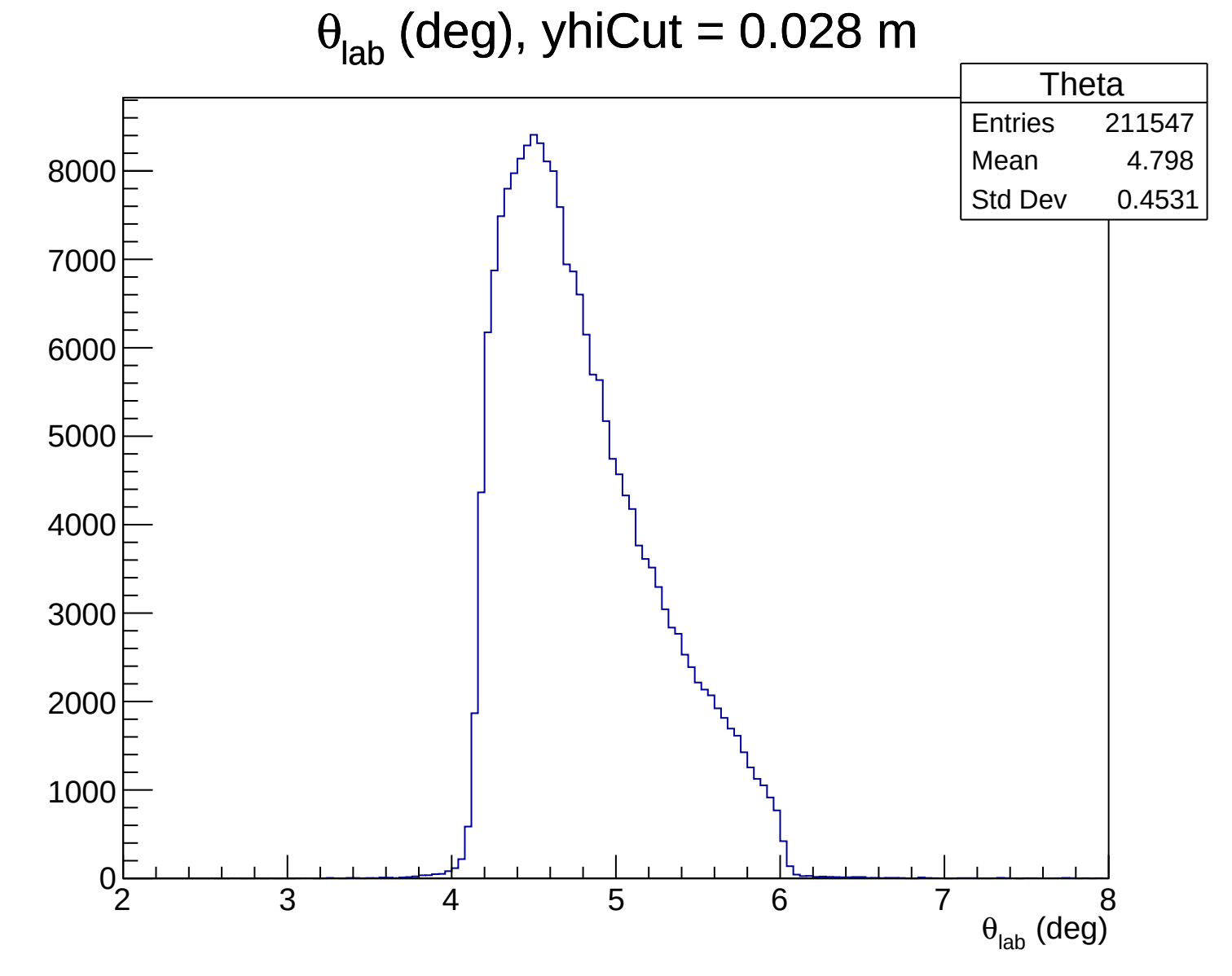

Sensitivity, yhiCut = 0.026 m
sens
Entries 211141
Mean 0.02237
Std Dev 0.003882
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

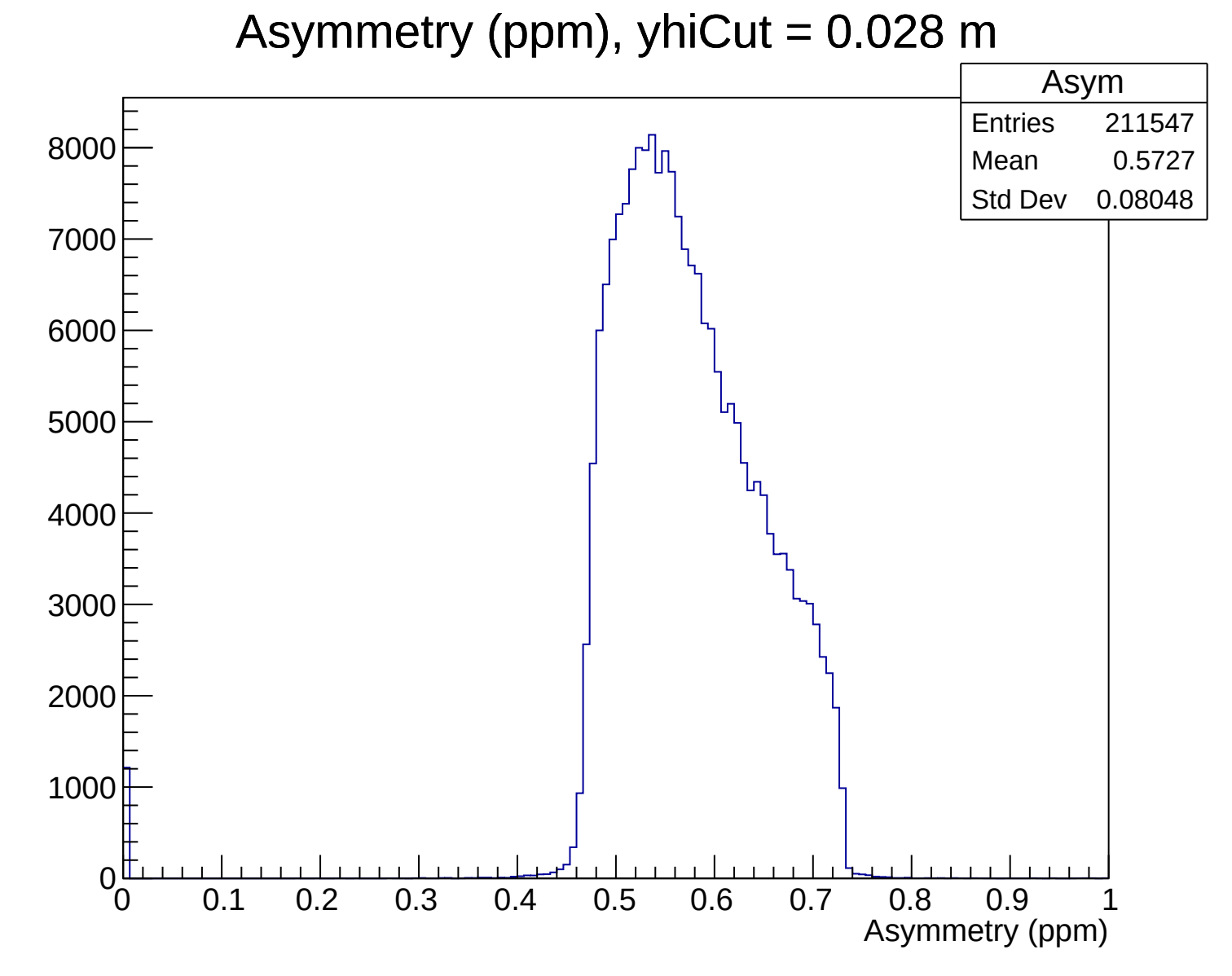

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

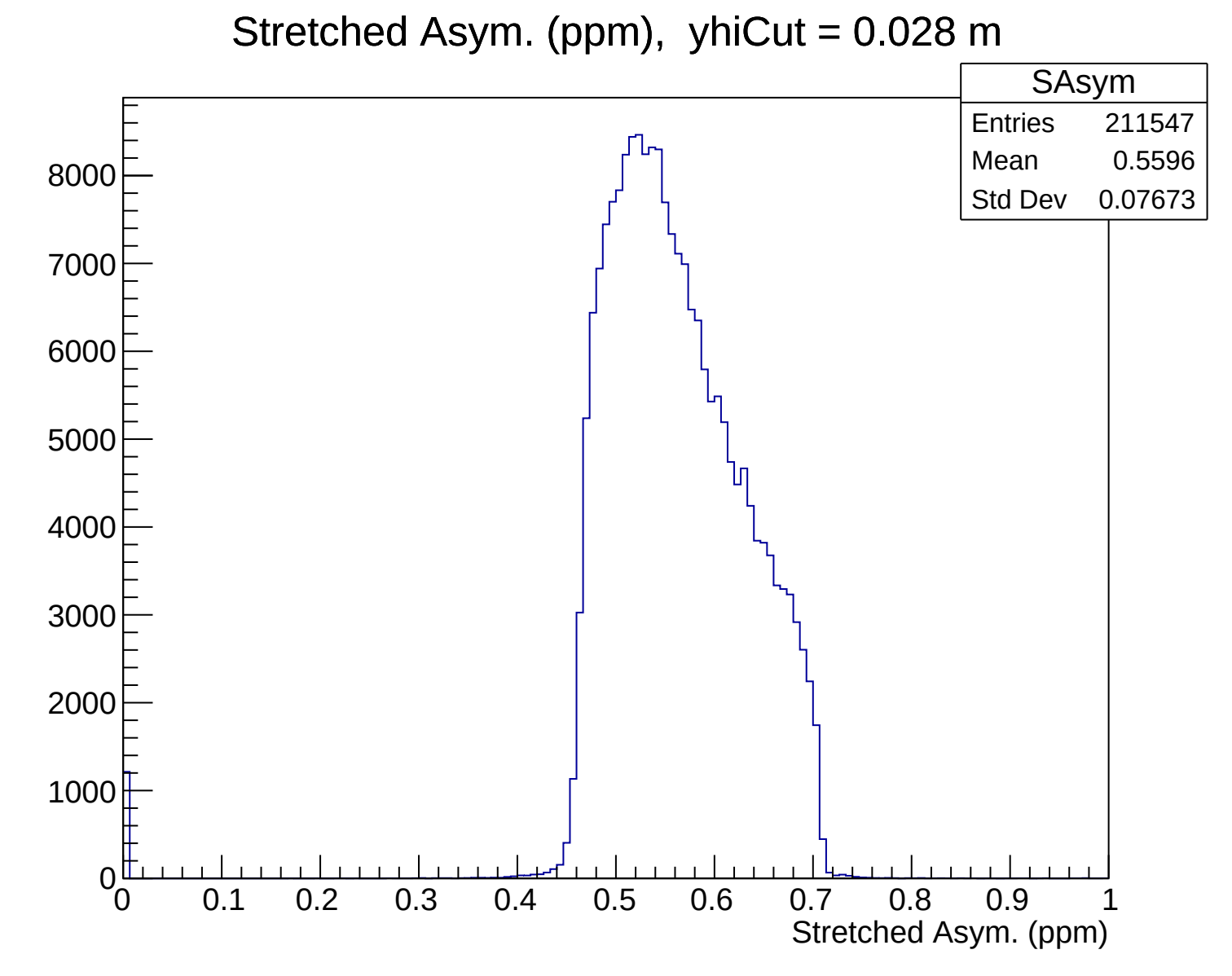

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.028
R.tr.y[0]+1.3*R.tr.ph[0] (m)

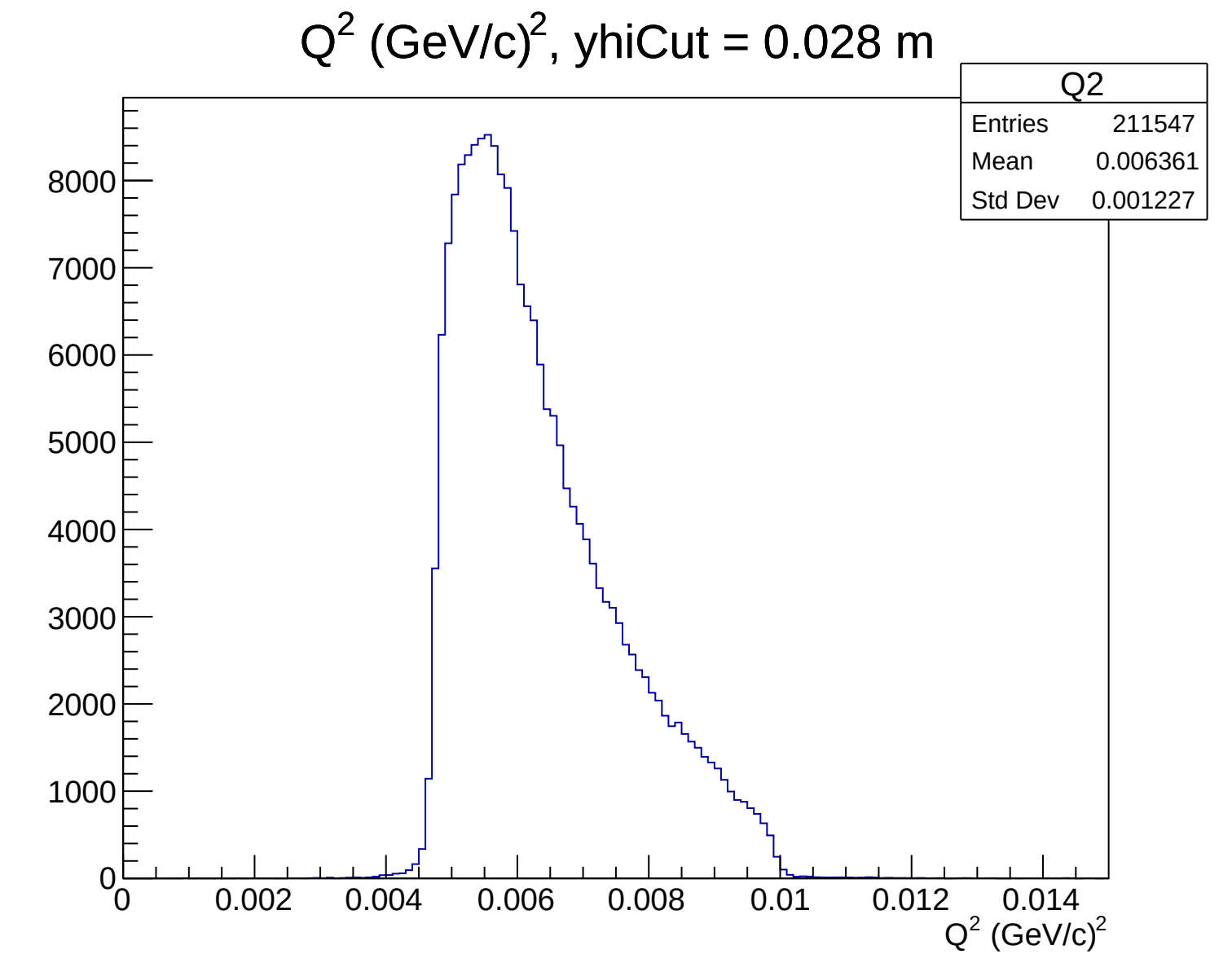

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

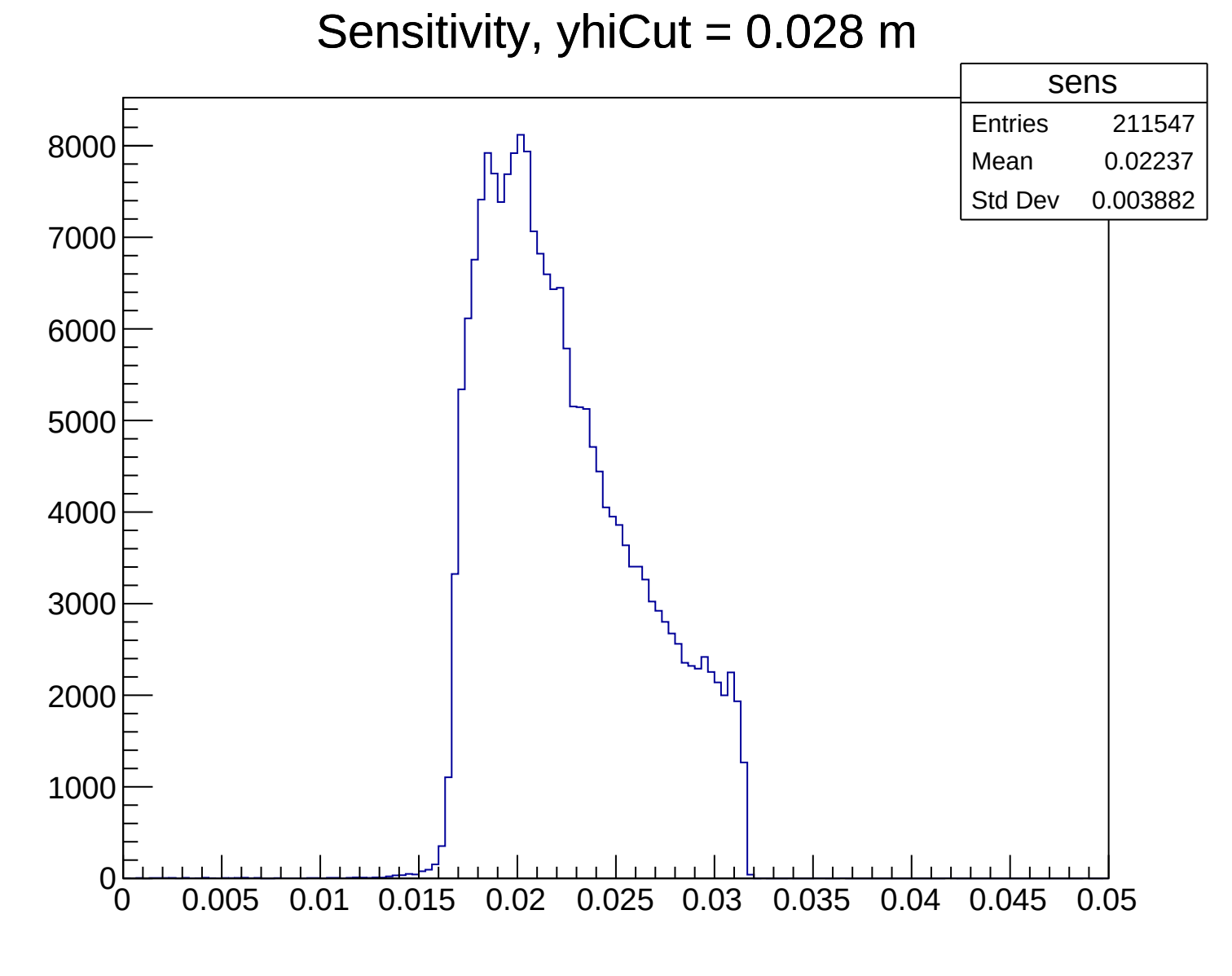

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

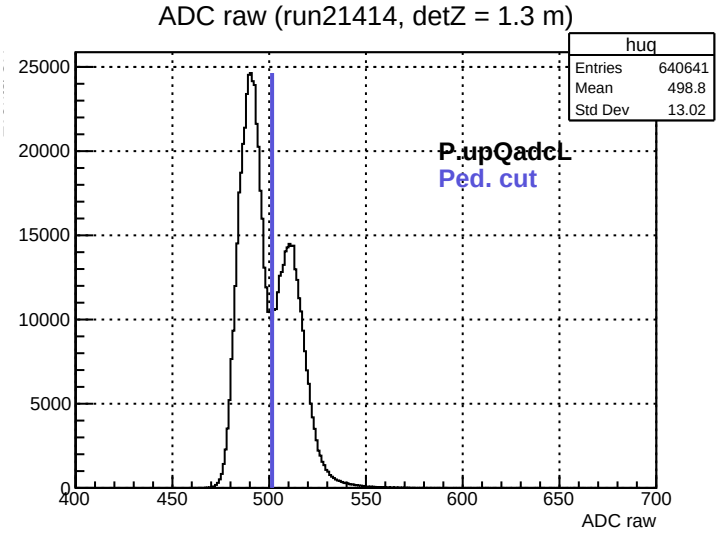

θlab (deg), yhiCut = 0.028 m
Theta
Entries 211547
Mean 4.798
Std Dev 0.4531
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

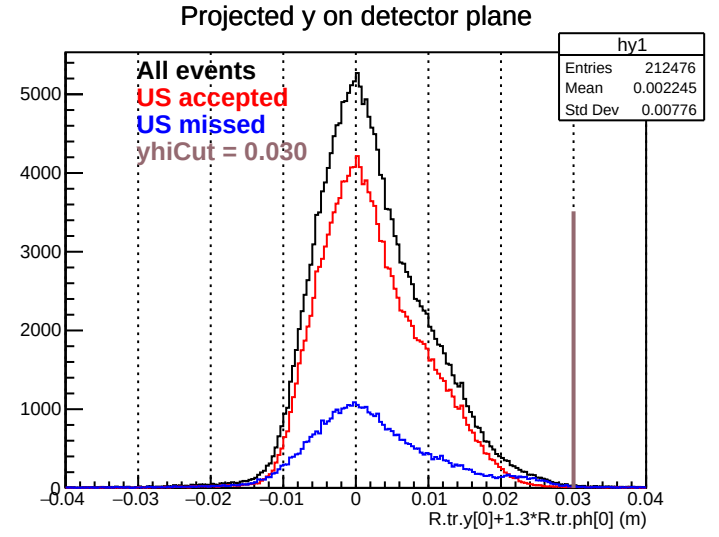

Asymmetry (ppm), yhiCut = 0.028 m
Asym
Entries 211547
Mean 0.5727
Std Dev 0.08048
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

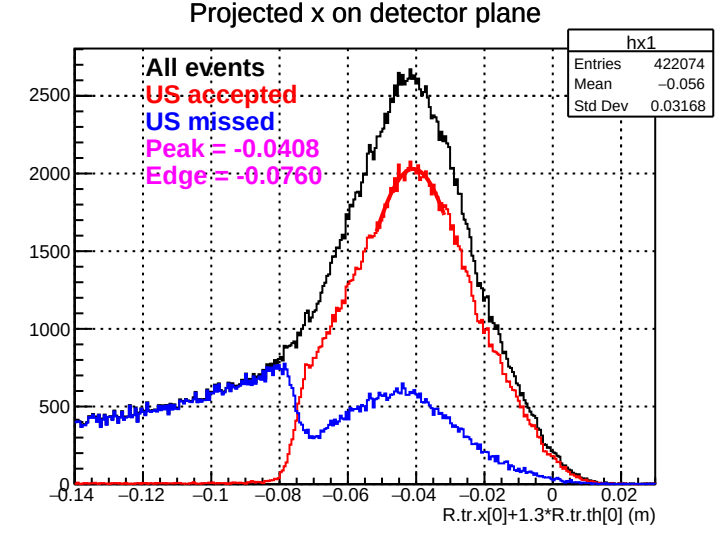

Stretched Asym. (ppm), yhiCut = 0.028 m
SAsym
Entries 211547
Mean 0.5596
Std Dev 0.07673
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

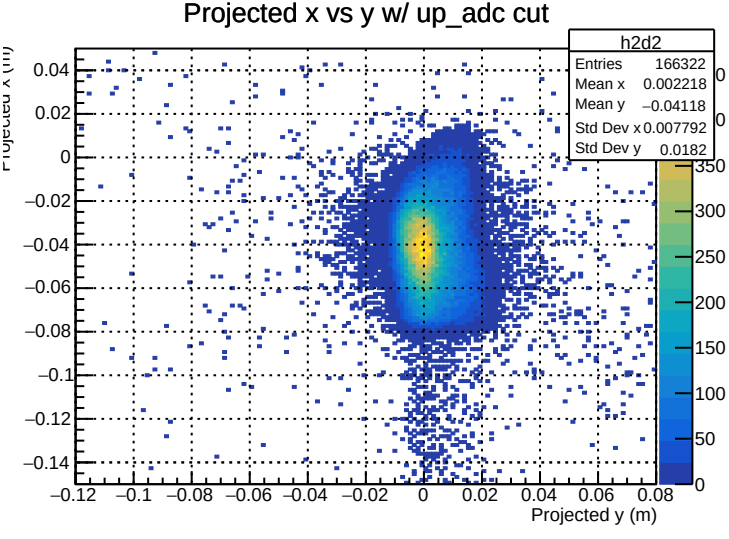

Q^2 (GeV/c)^2, yhiCut = 0.028 m
Q2
Entries 211547
Mean 0.006361
Std Dev 0.001227
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

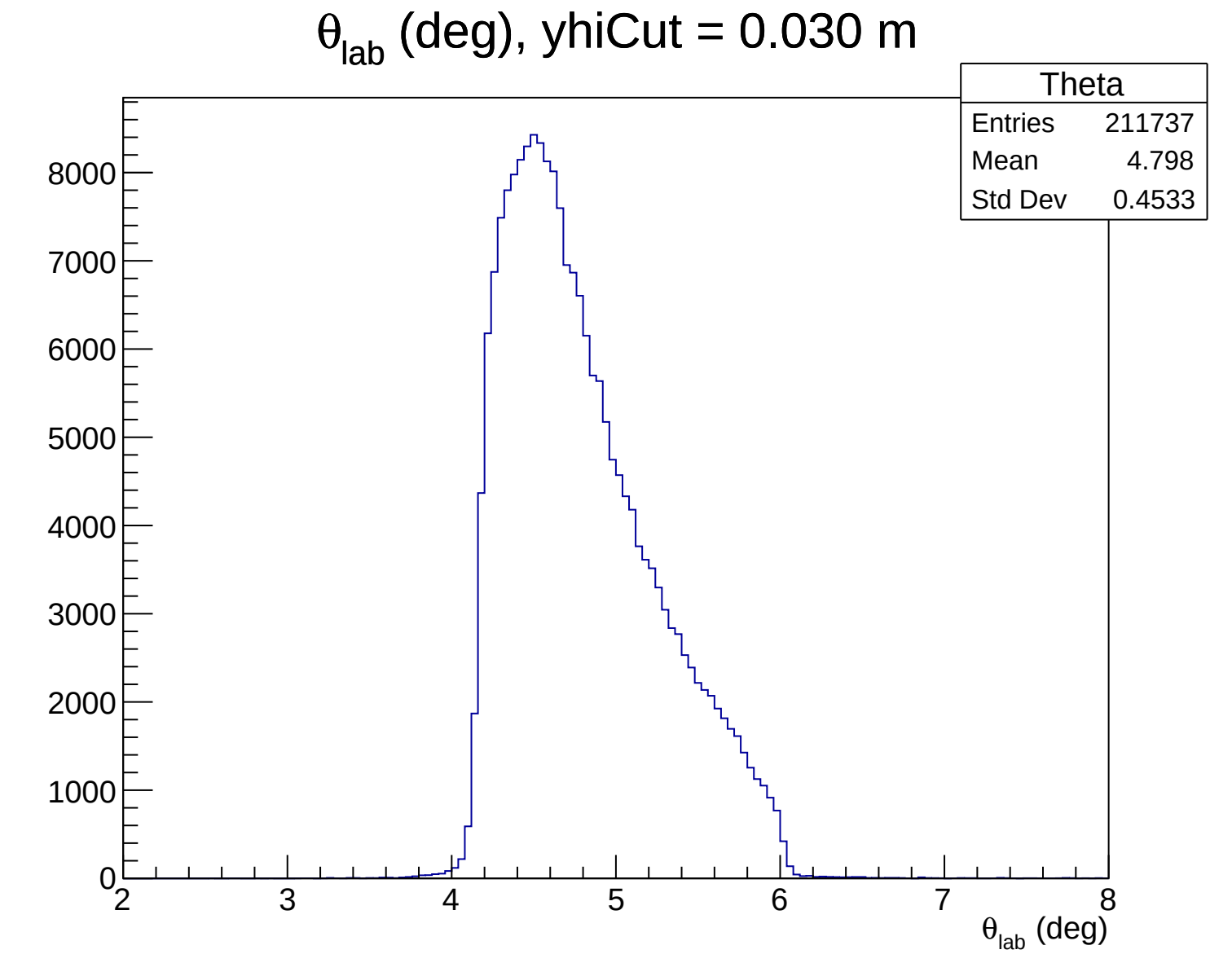

Sensitivity, yhiCut = 0.028 m
sens
Entries 211547
Mean 0.02237
Std Dev 0.003882
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

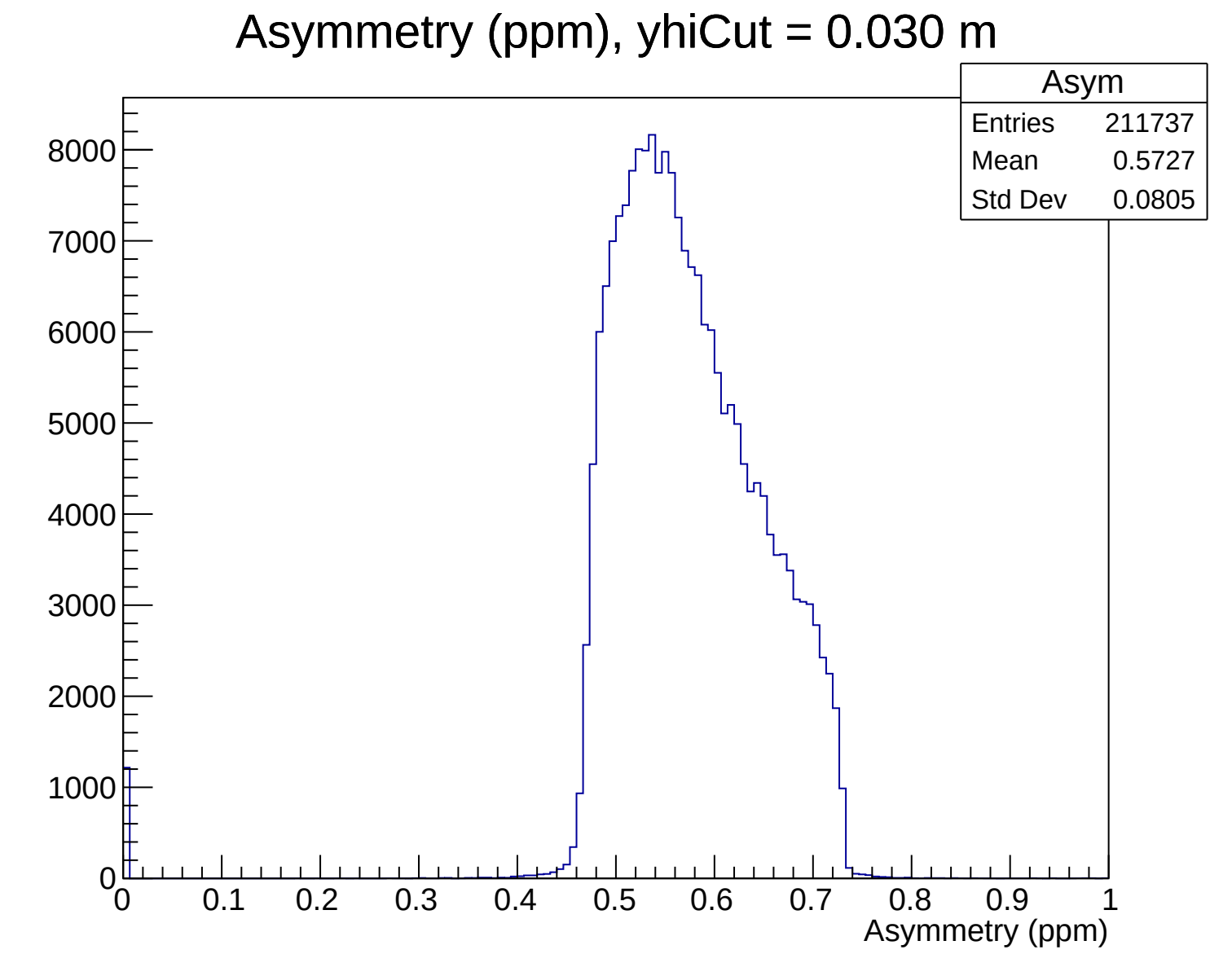

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

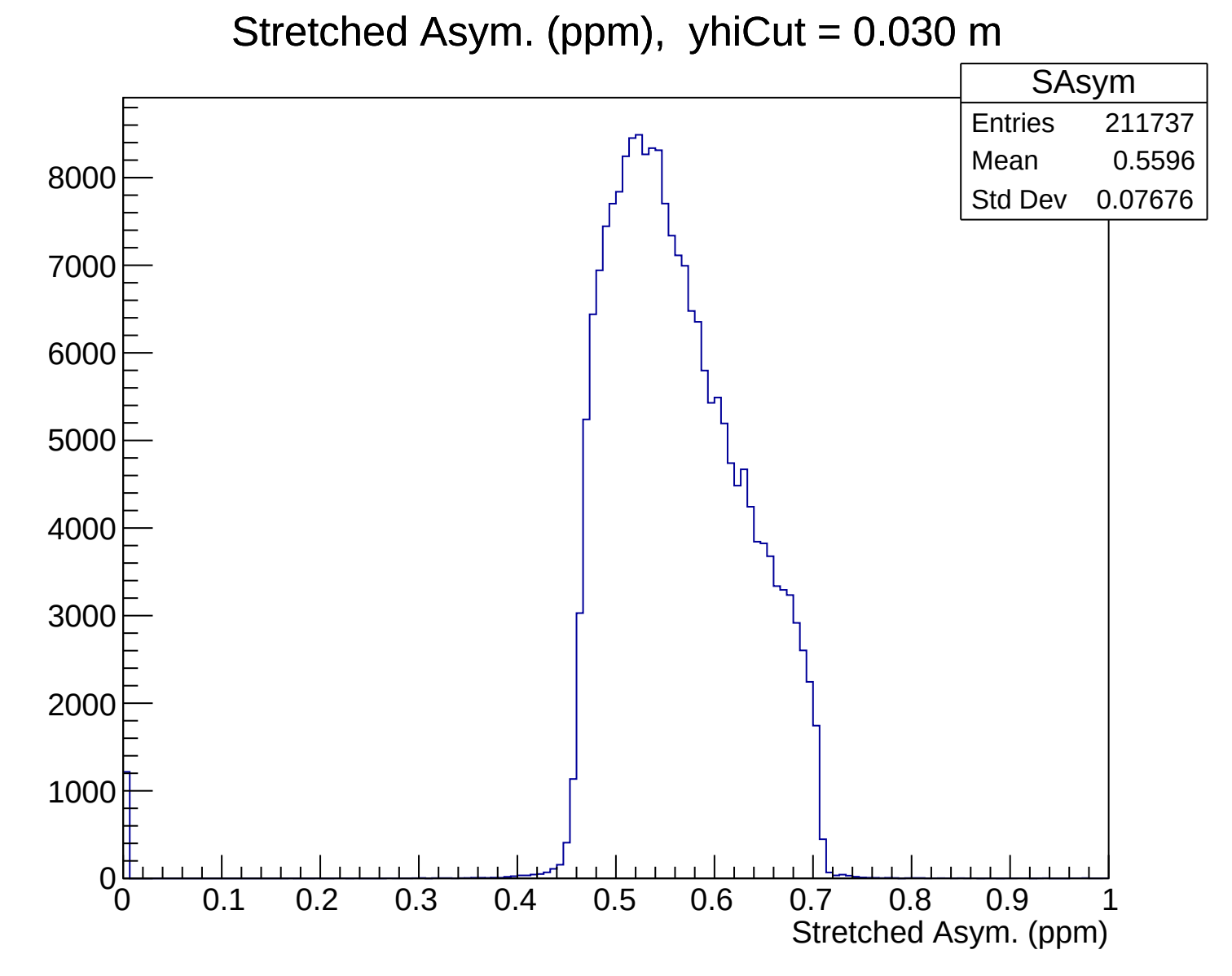

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.030
R.tr.y[0]+1.3*R.tr.ph[0] (m)

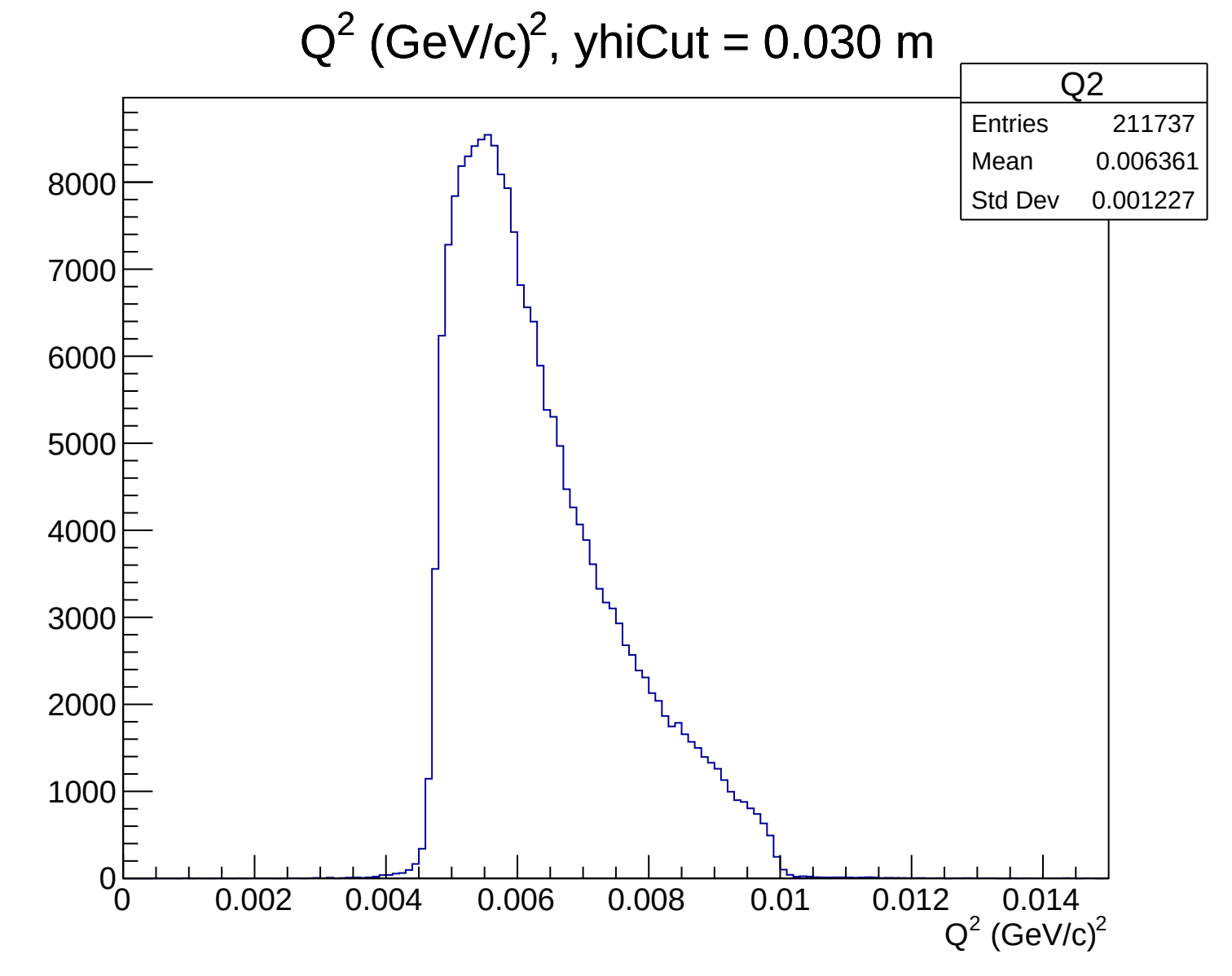

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

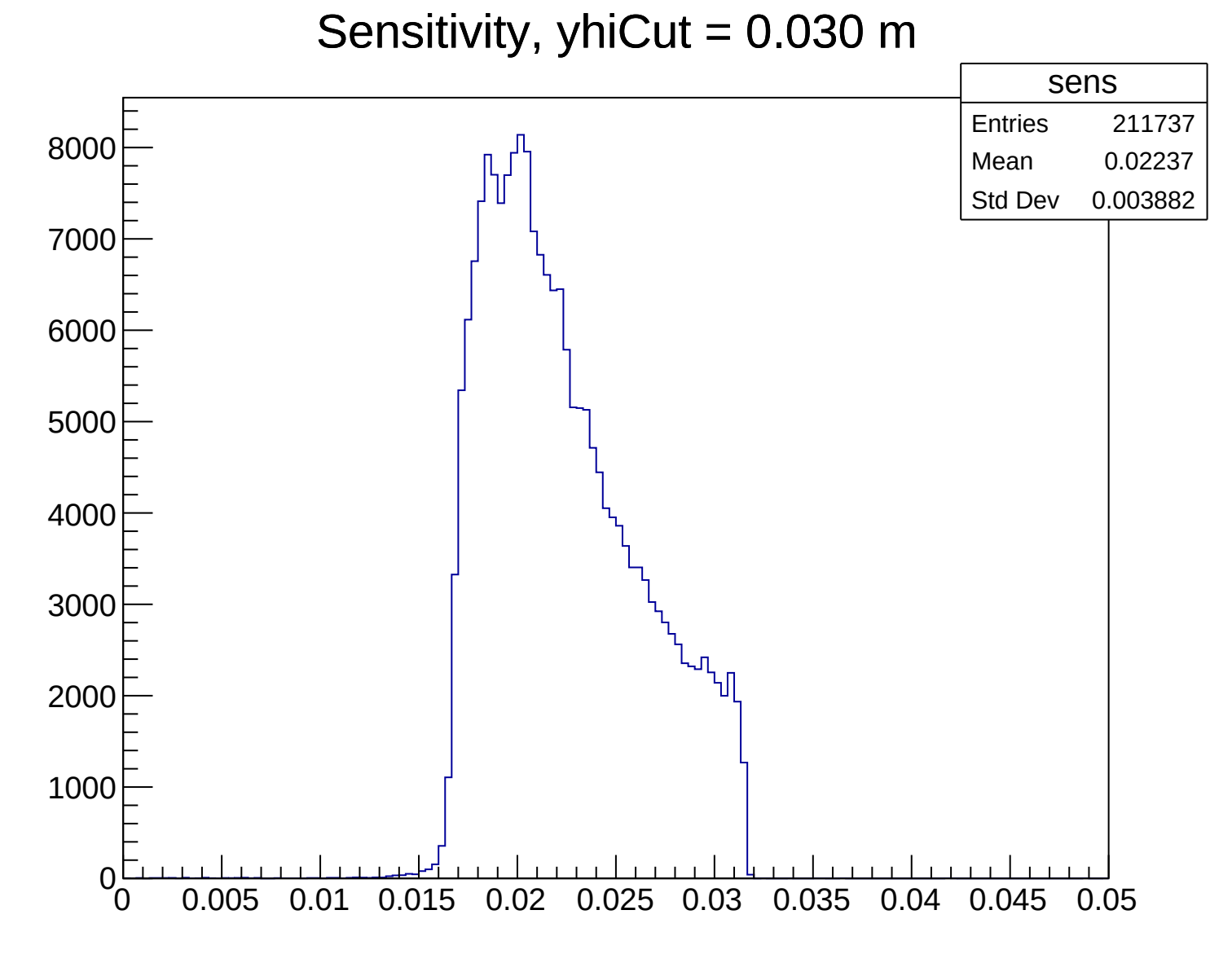

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

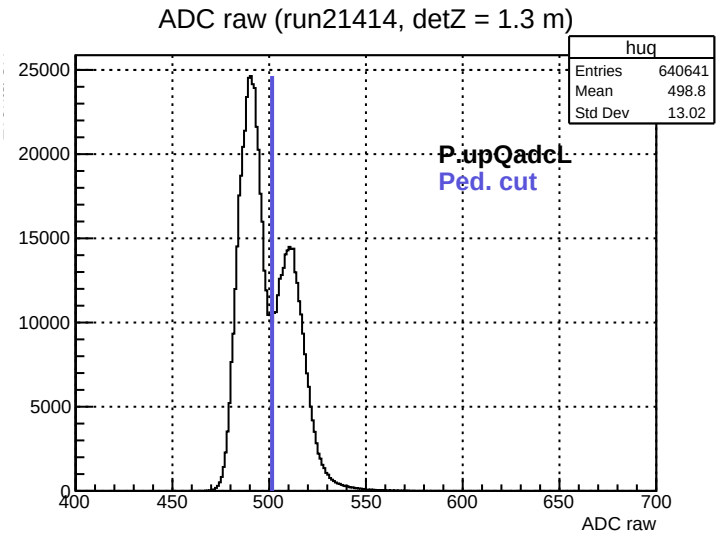

θlab (deg), yhiCut = 0.030 m
Theta
Entries 211737
Mean 4.798
Std Dev 0.4533
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

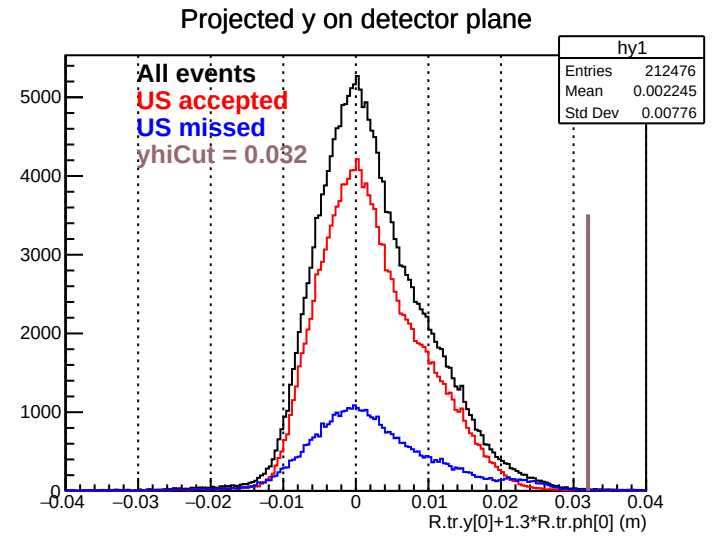

Asymmetry (ppm), yhiCut = 0.030 m
Asym
Entries 211737
Mean 0.5727
Std Dev 0.0805
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

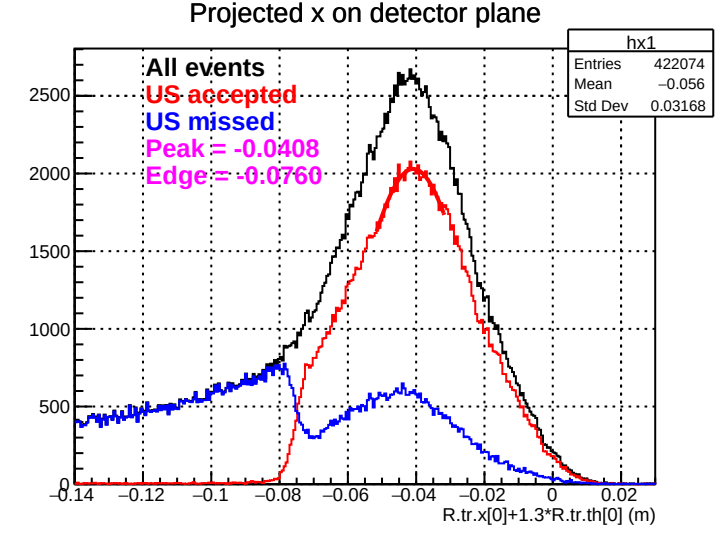

Stretched Asym. (ppm), yhiCut = 0.030 m
SAsym
Entries 211737
Mean 0.5596
Std Dev 0.07676
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

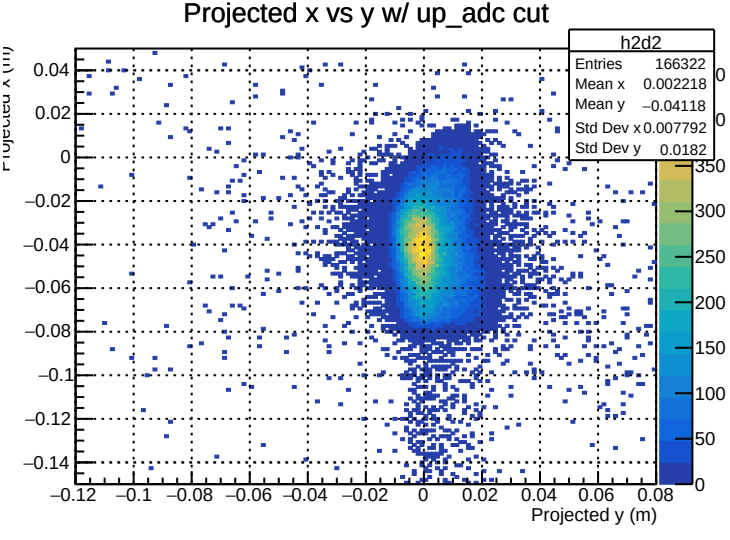

Q^2 (GeV/c)^2, yhiCut = 0.030 m
Q2
Entries 211737
Mean 0.006361
Std Dev 0.001227
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

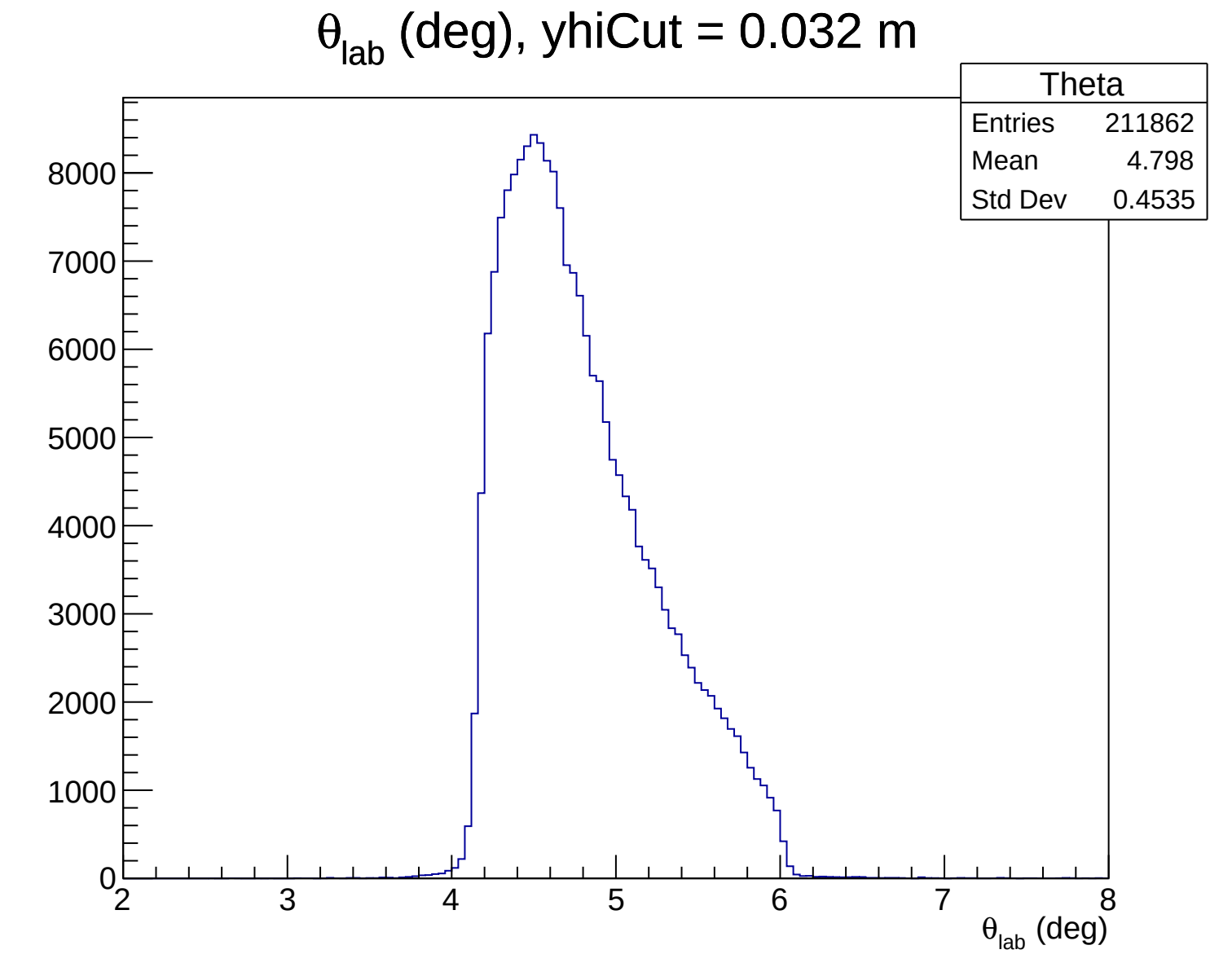

Sensitivity, yhiCut = 0.030 m
sens
Entries 211737
Mean 0.02237
Std Dev 0.003882
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

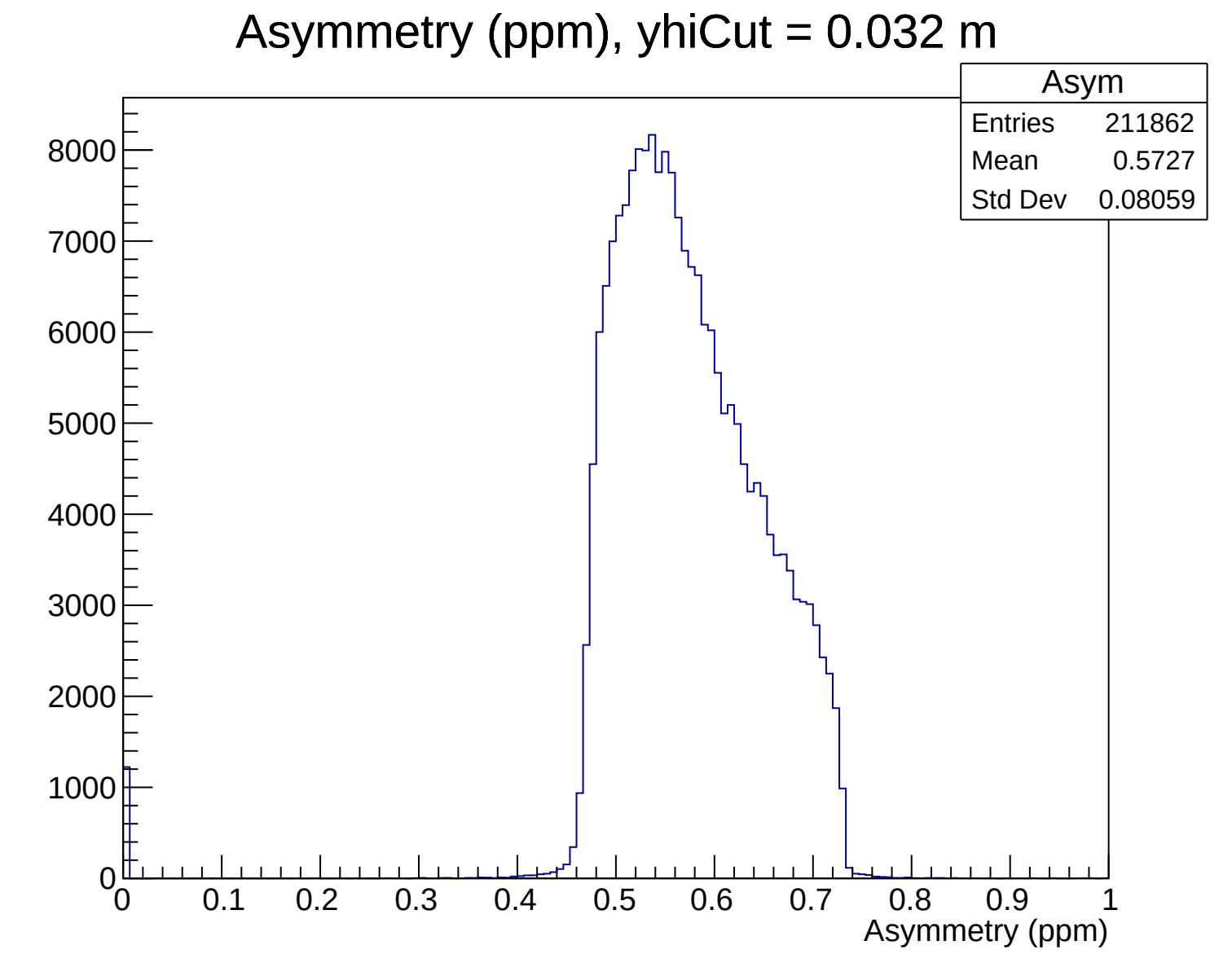

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

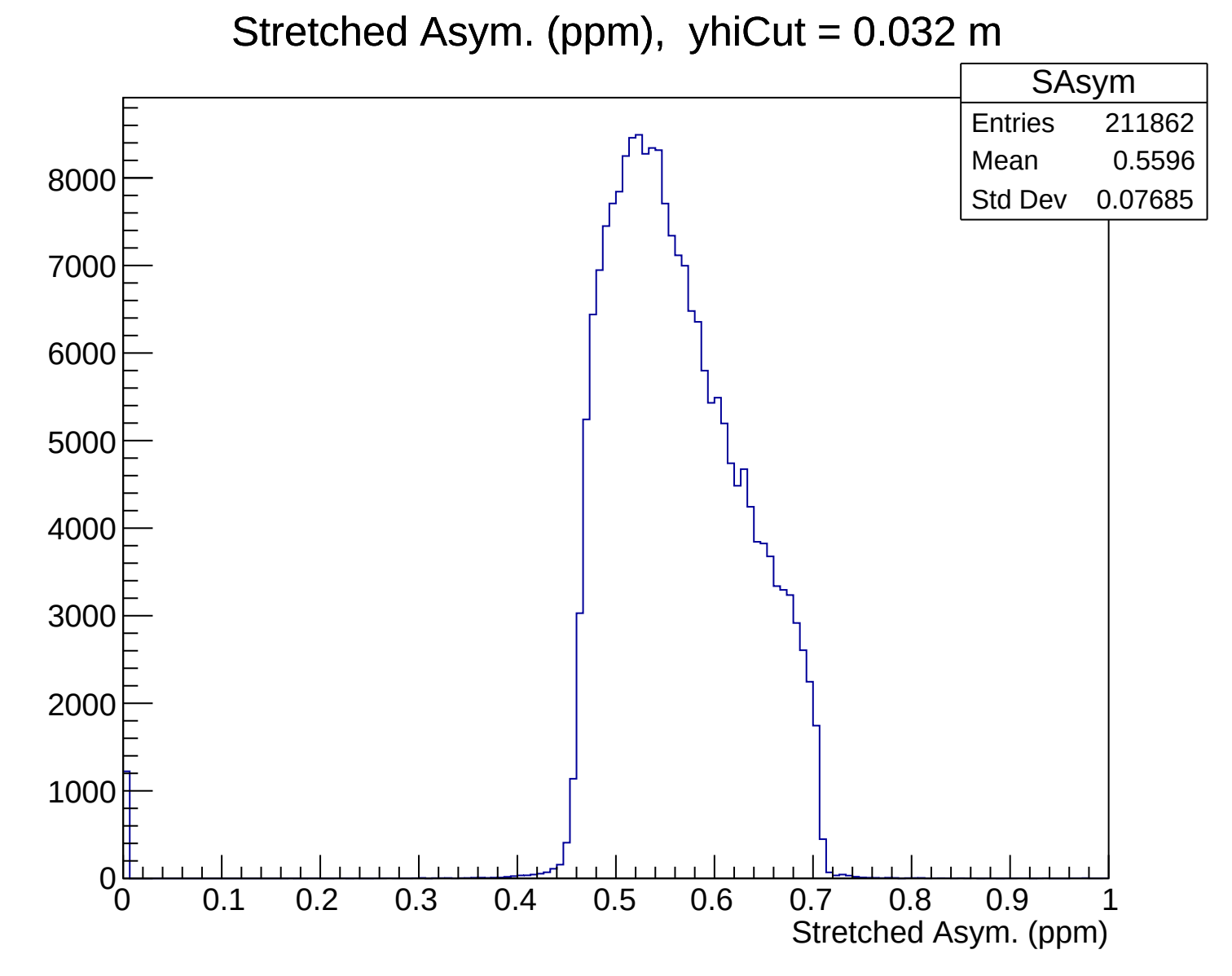

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.032
R.tr.y[0]+1.3*R.tr.ph[0] (m)

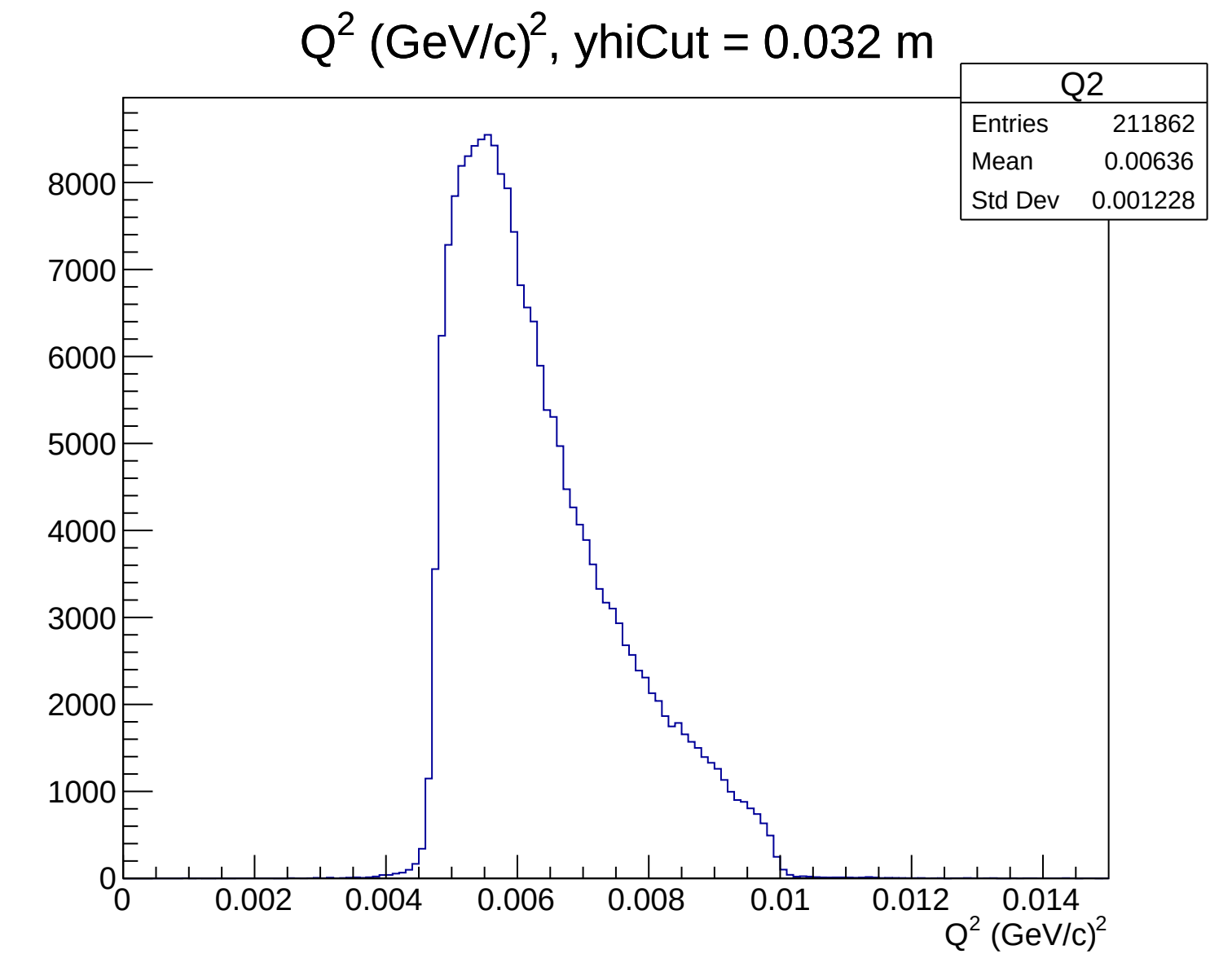

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

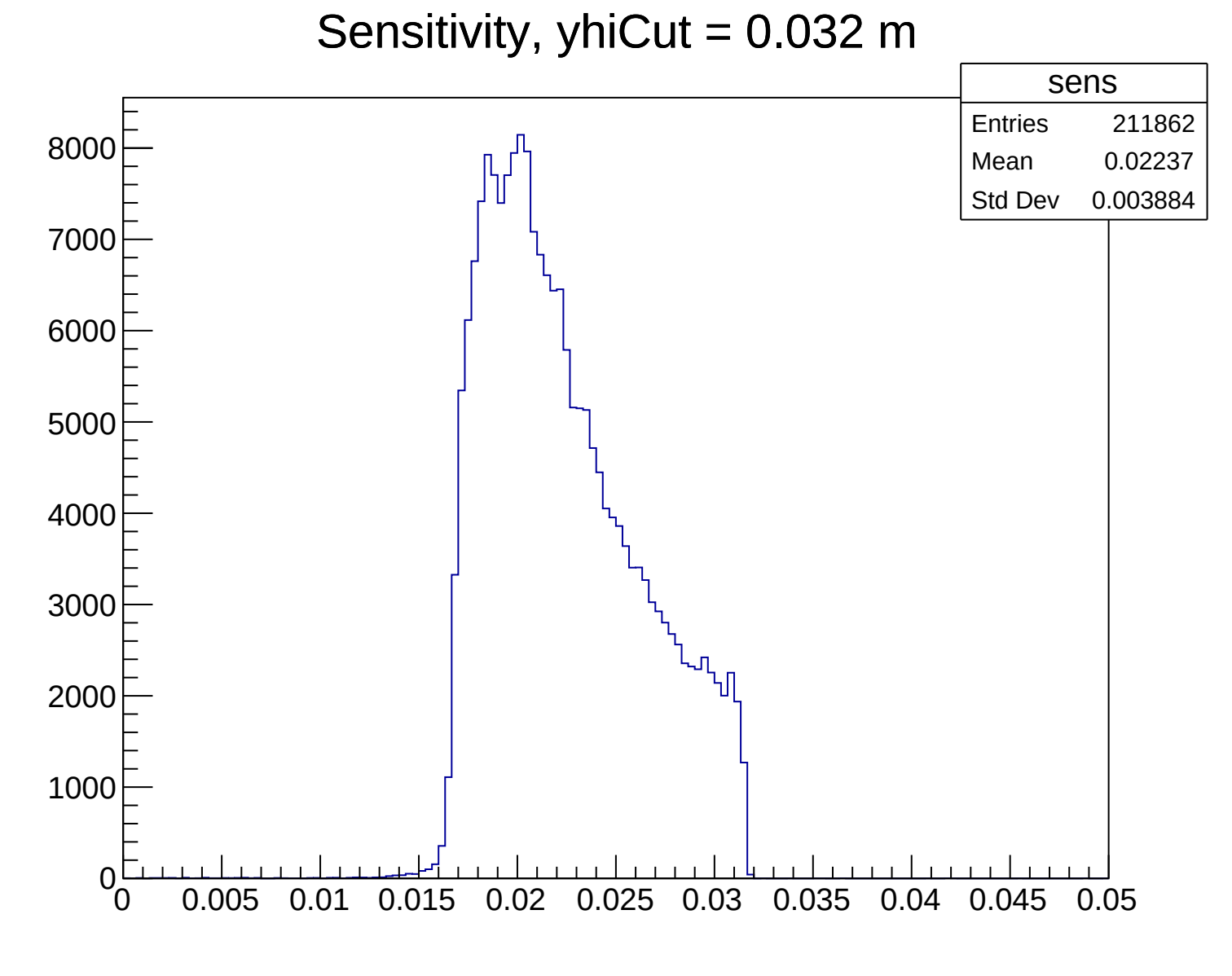

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

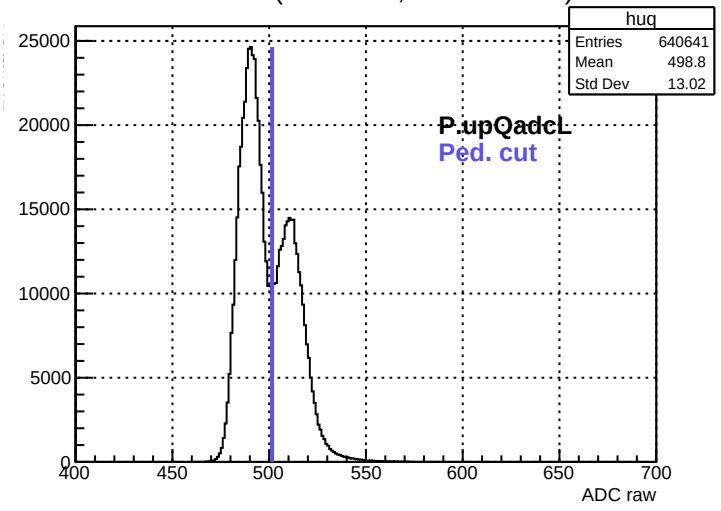

θlab (deg), yhiCut = 0.032 m
Theta
Entries 211862
Mean 4.798
Std Dev 0.4535
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

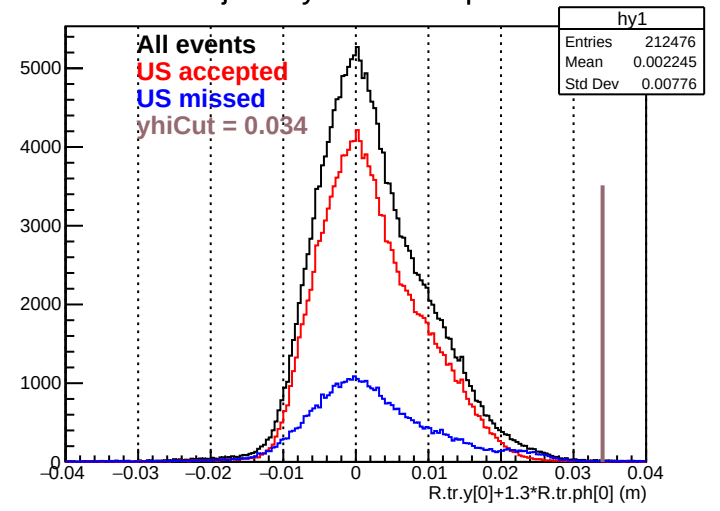

Asymmetry (ppm), yhiCut = 0.032 m
Asym
Entries 211862
Mean 0.5727
Std Dev 0.08059
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

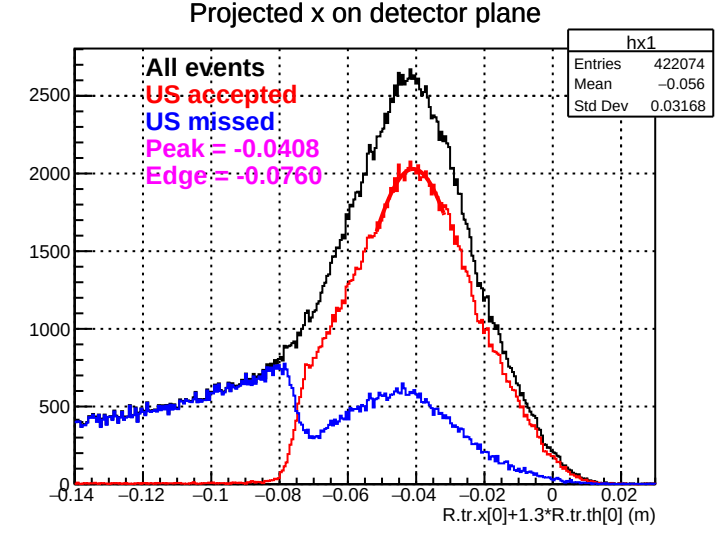

Stretched Asym. (ppm), yhiCut = 0.032 m
SAsym
Entries 211862
Mean 0.5596
Std Dev 0.07685
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

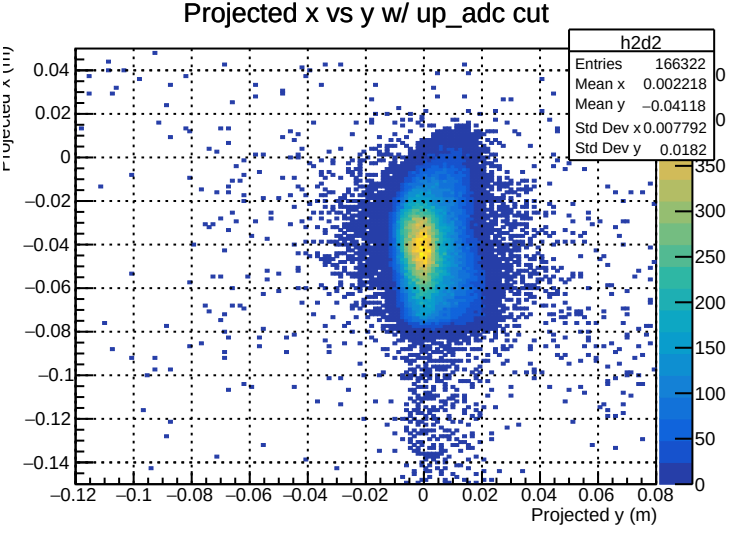

Q^2 (GeV/c)^2, yhiCut = 0.032 m
Q2
Entries 211862
Mean 0.00636
Std Dev 0.001228
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

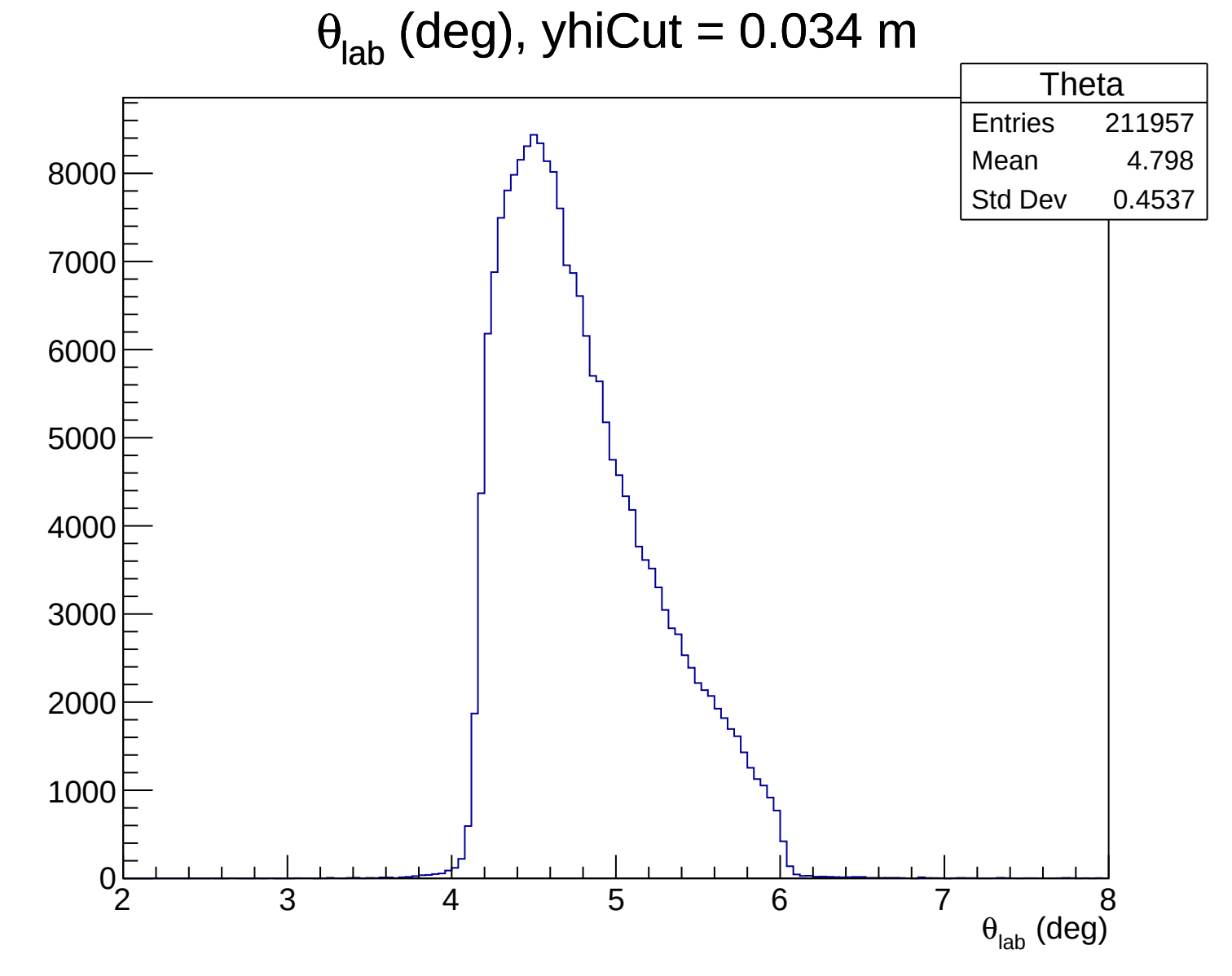

Sensitivity, yhiCut = 0.032 m
sens
Entries 211862
Mean 0.02237
Std Dev 0.003884
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

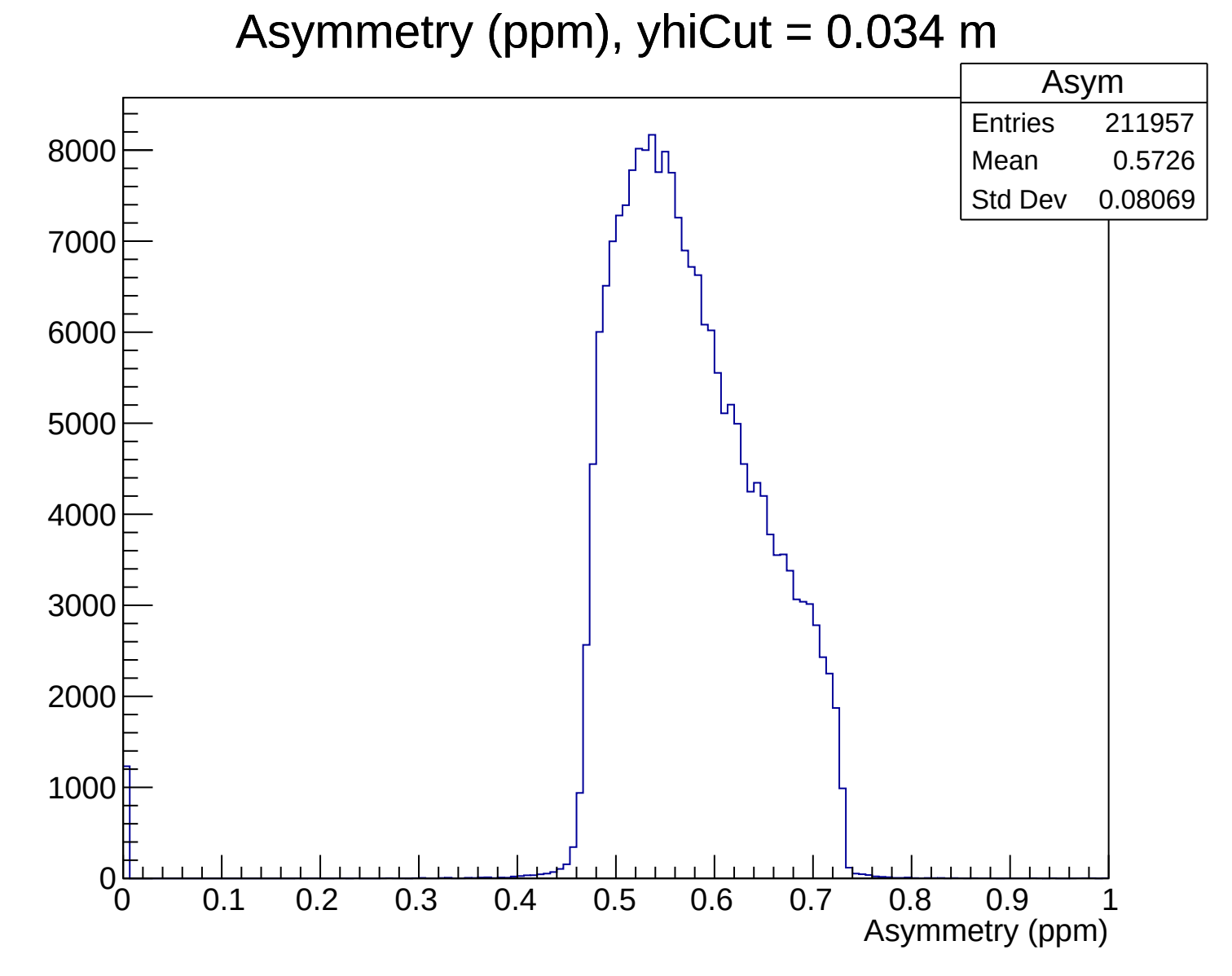

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

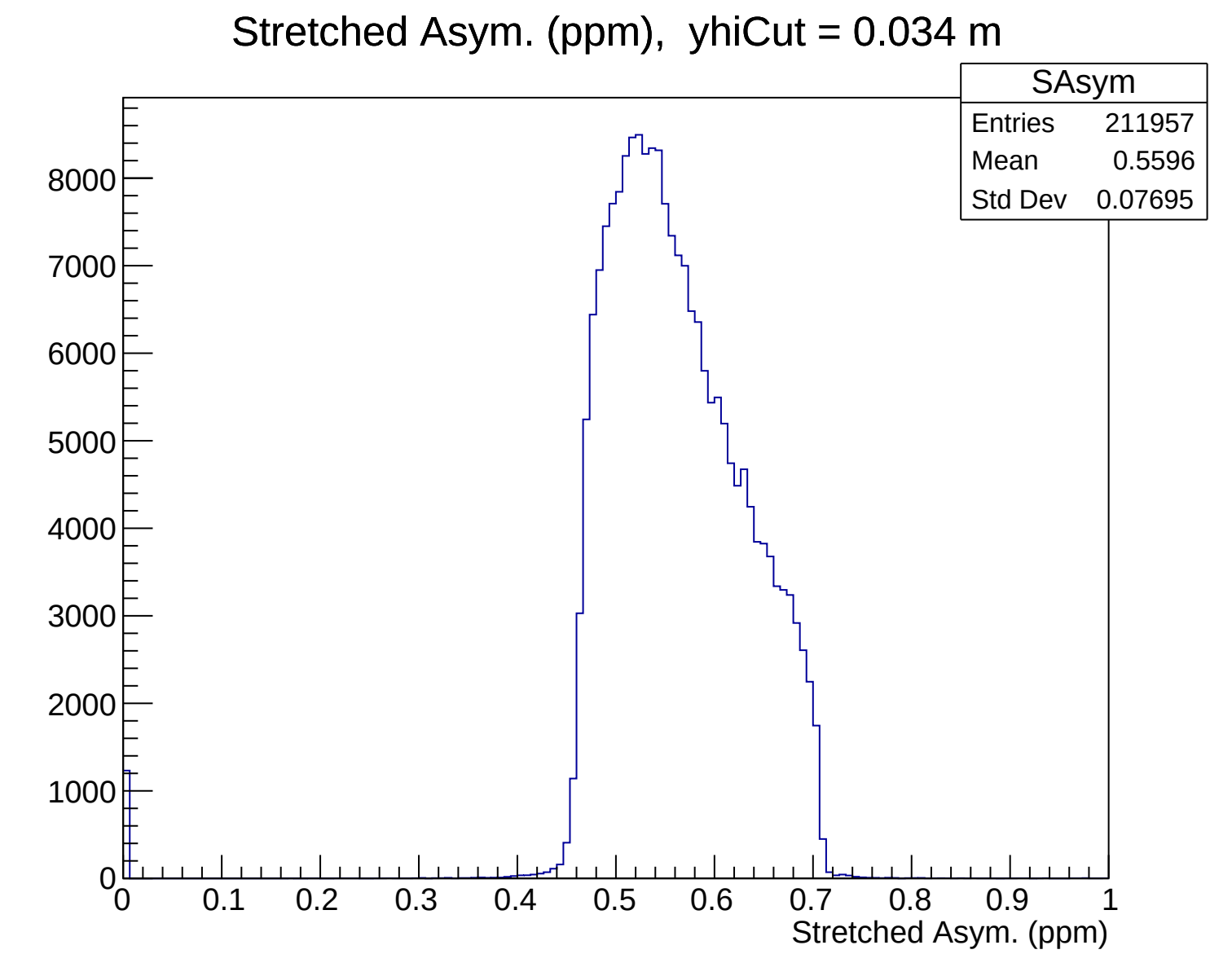

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.034
R.tr.y[0]+1.3*R.tr.ph[0] (m)

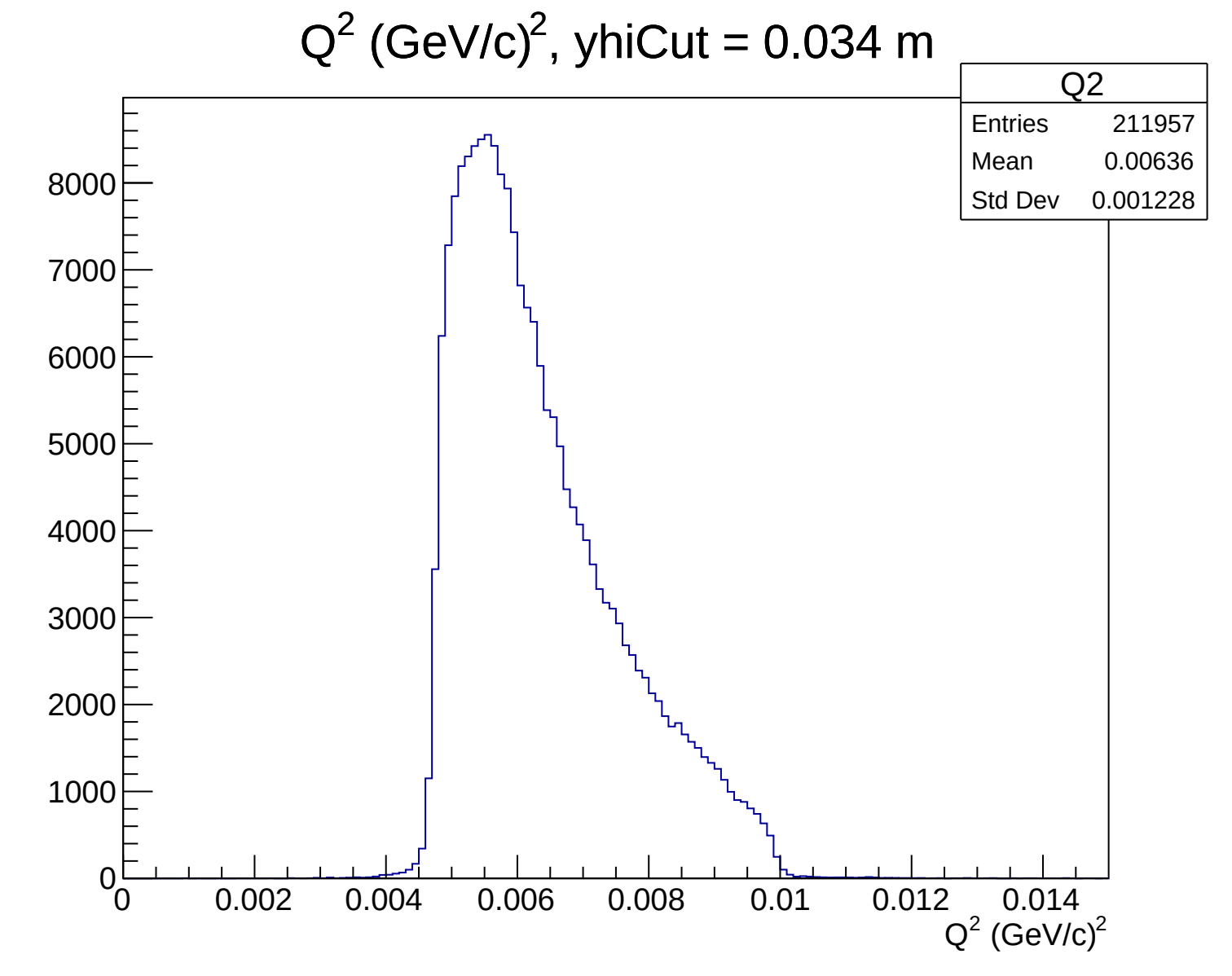

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

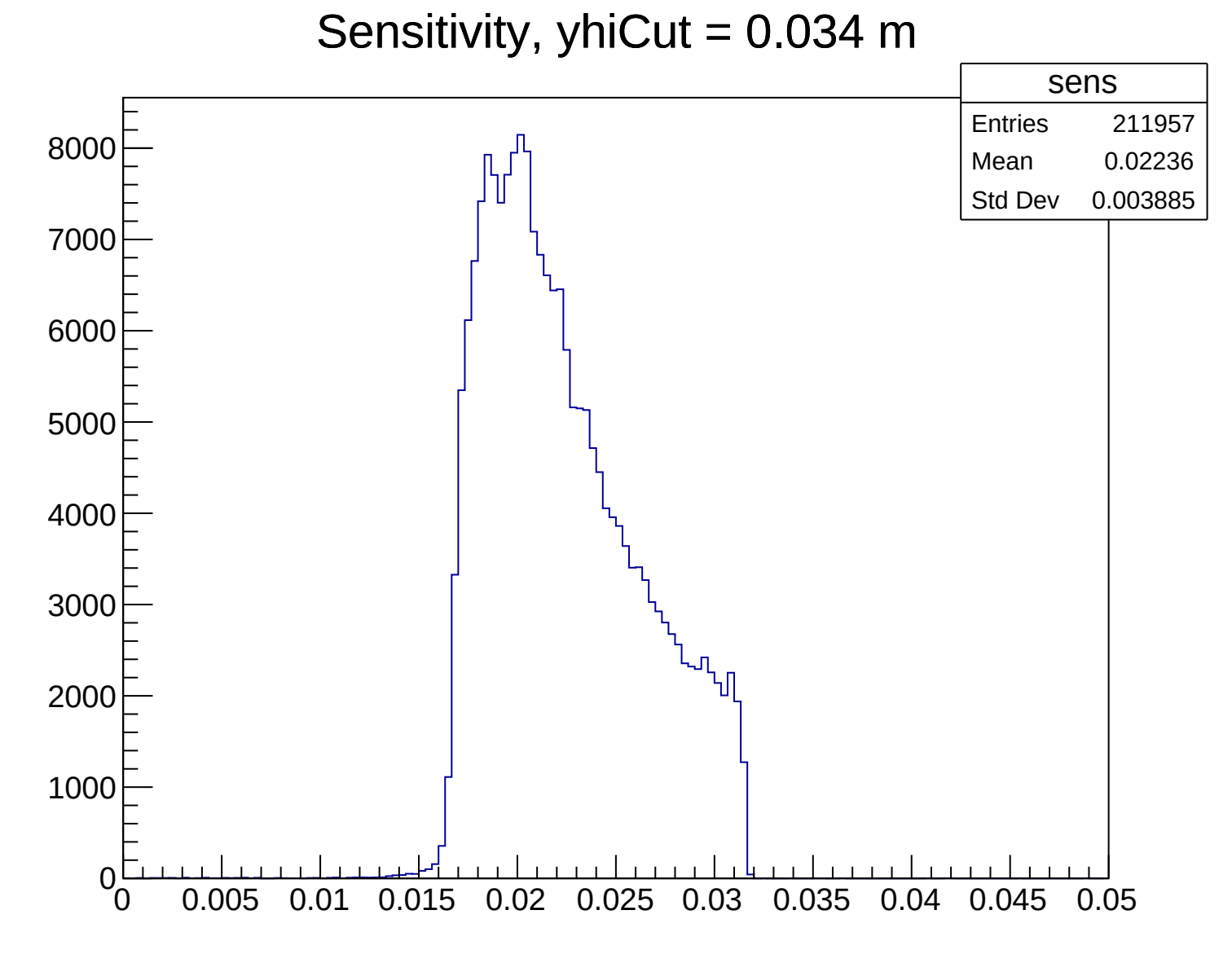

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

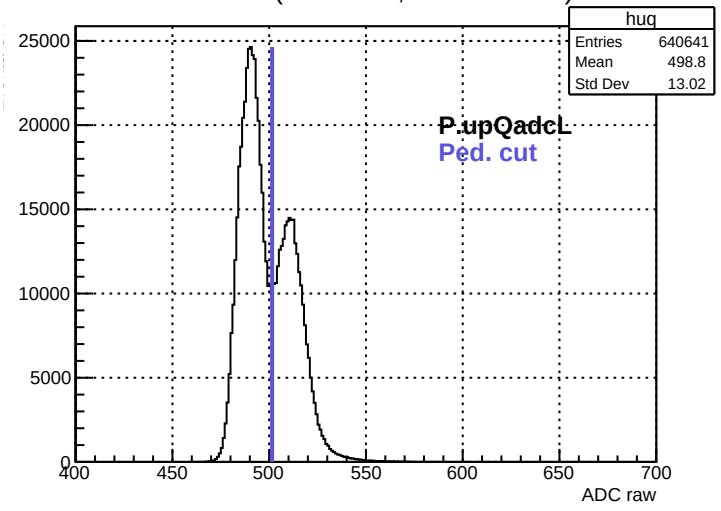

θlab (deg), yhiCut = 0.034 m
Theta
Entries 211957
Mean 4.798
Std Dev 0.4537
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

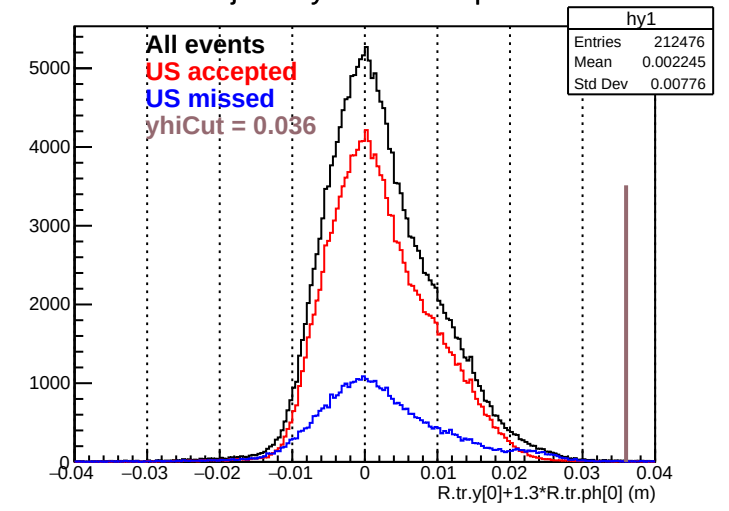

Asymmetry (ppm), yhiCut = 0.034 m
Asym
Entries 211957
Mean 0.5726
Std Dev 0.08069
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

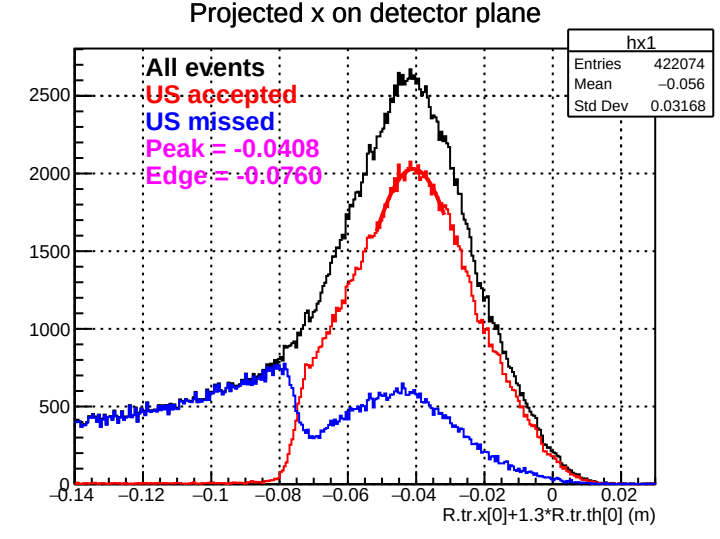

Stretched Asym. (ppm), yhiCut = 0.034 m
SAsym
Entries 211957
Mean 0.5596
Std Dev 0.07695
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

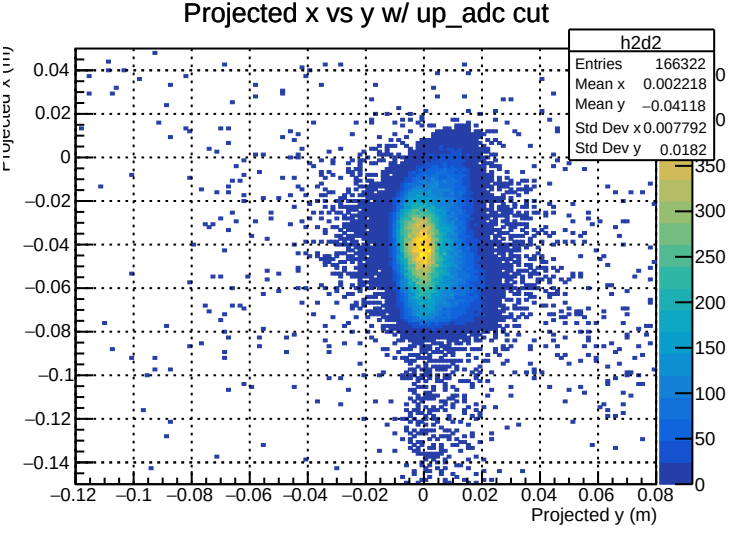

Q^2 (GeV/c)^2, yhiCut = 0.034 m
Q2
Entries 211957
Mean 0.00636
Std Dev 0.001228
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

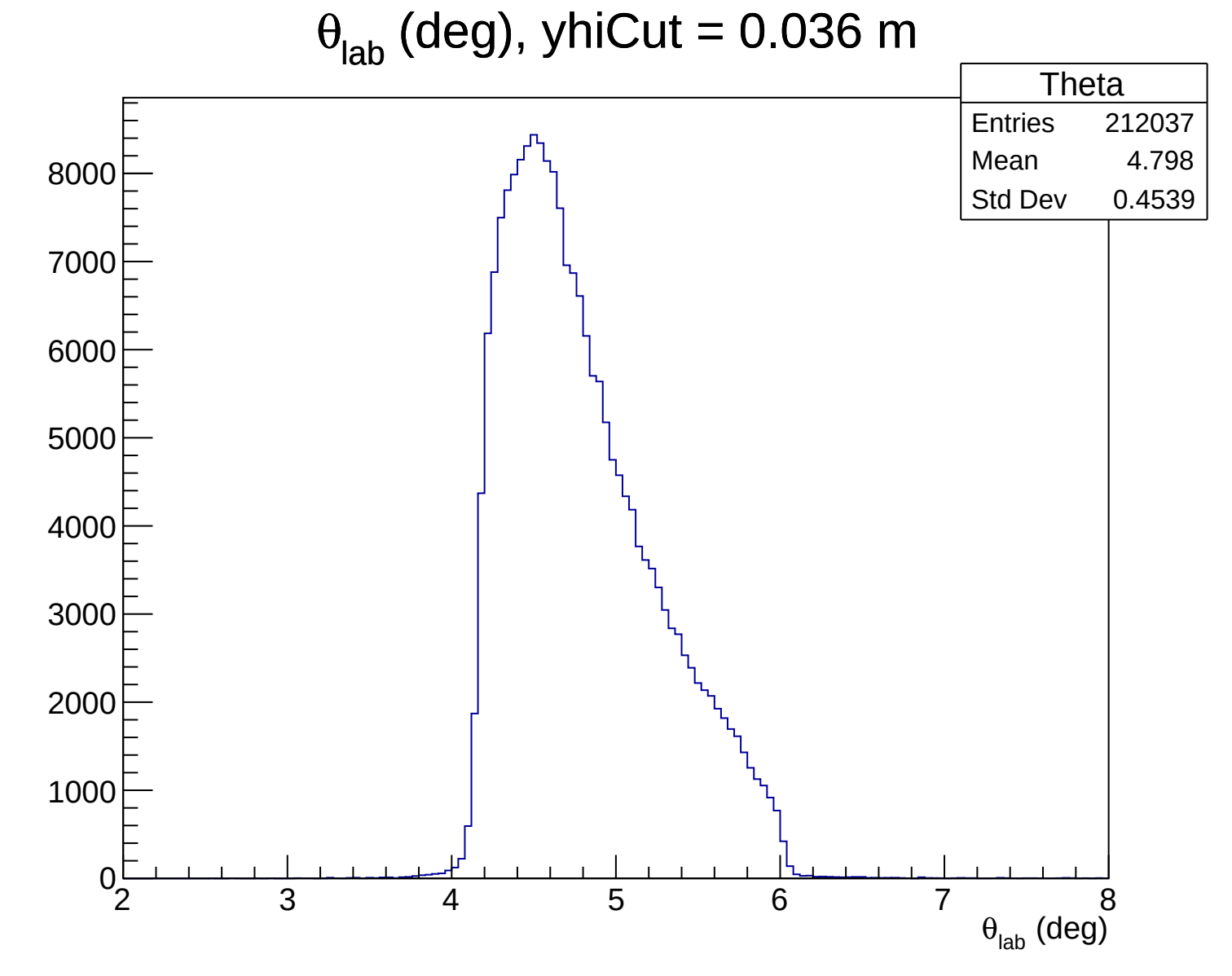

Sensitivity, yhiCut = 0.034 m
sens
Entries 211957
Mean 0.02236
Std Dev 0.003885
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

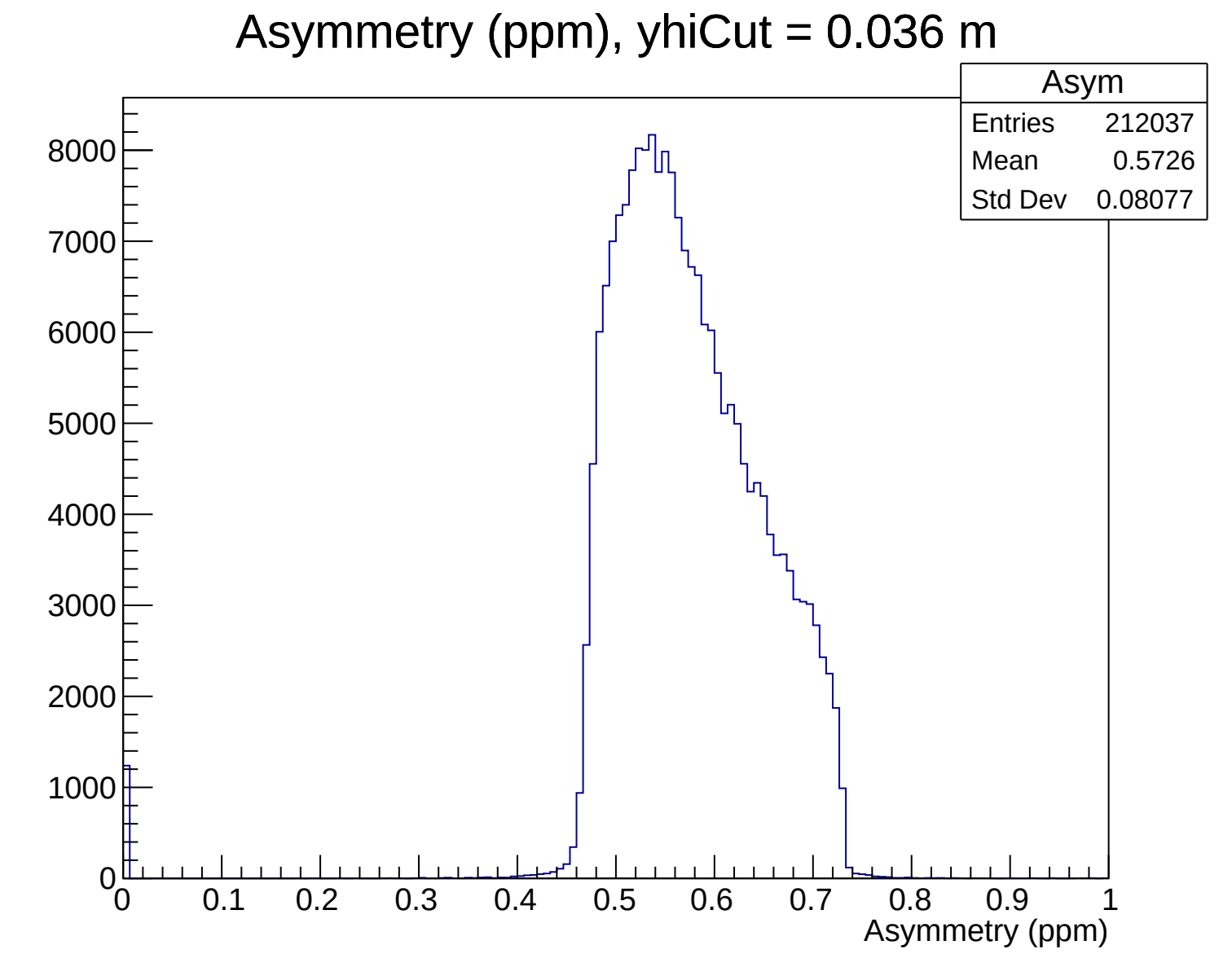

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

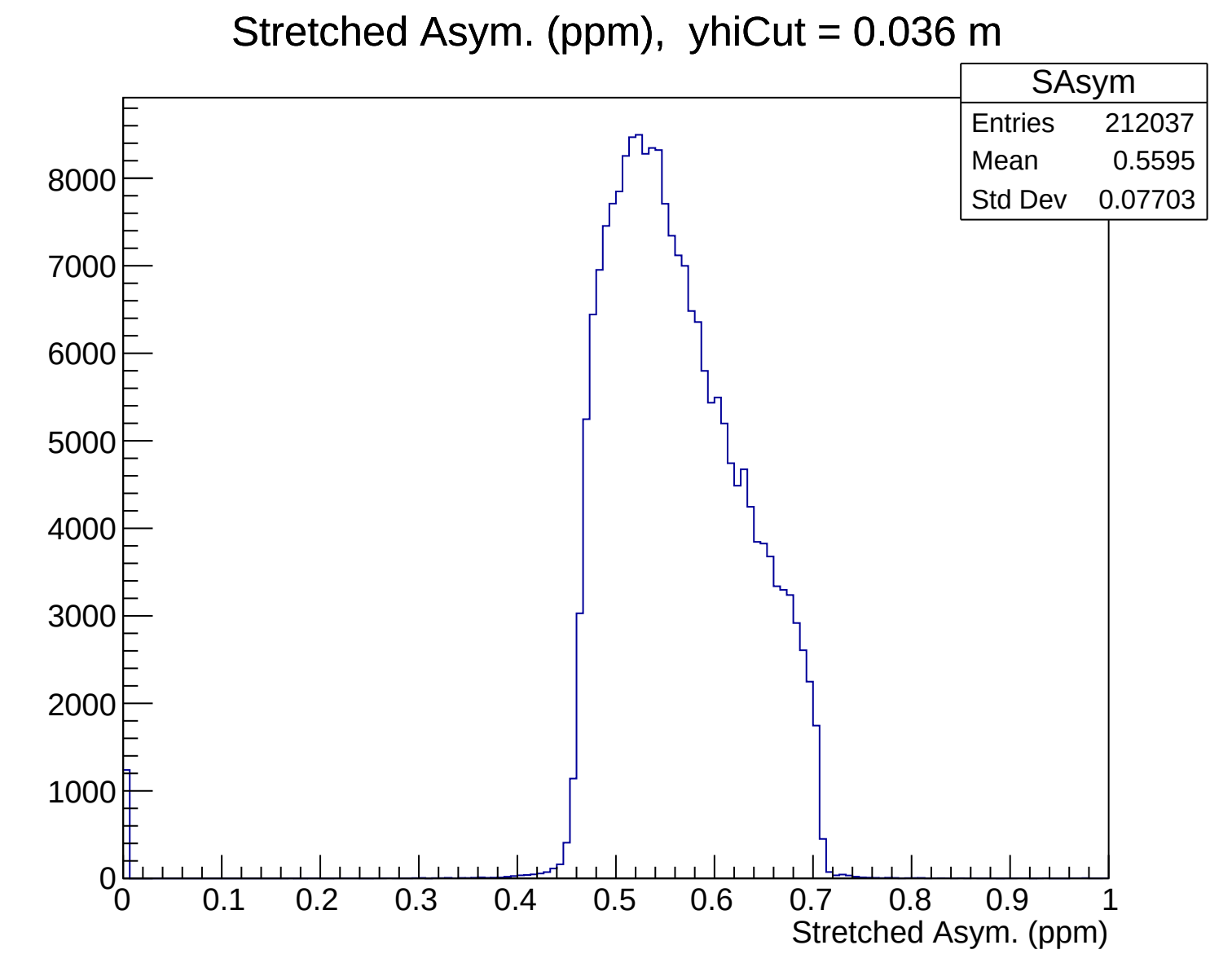

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.036
R.tr.y[0]+1.3*R.tr.ph[0] (m)

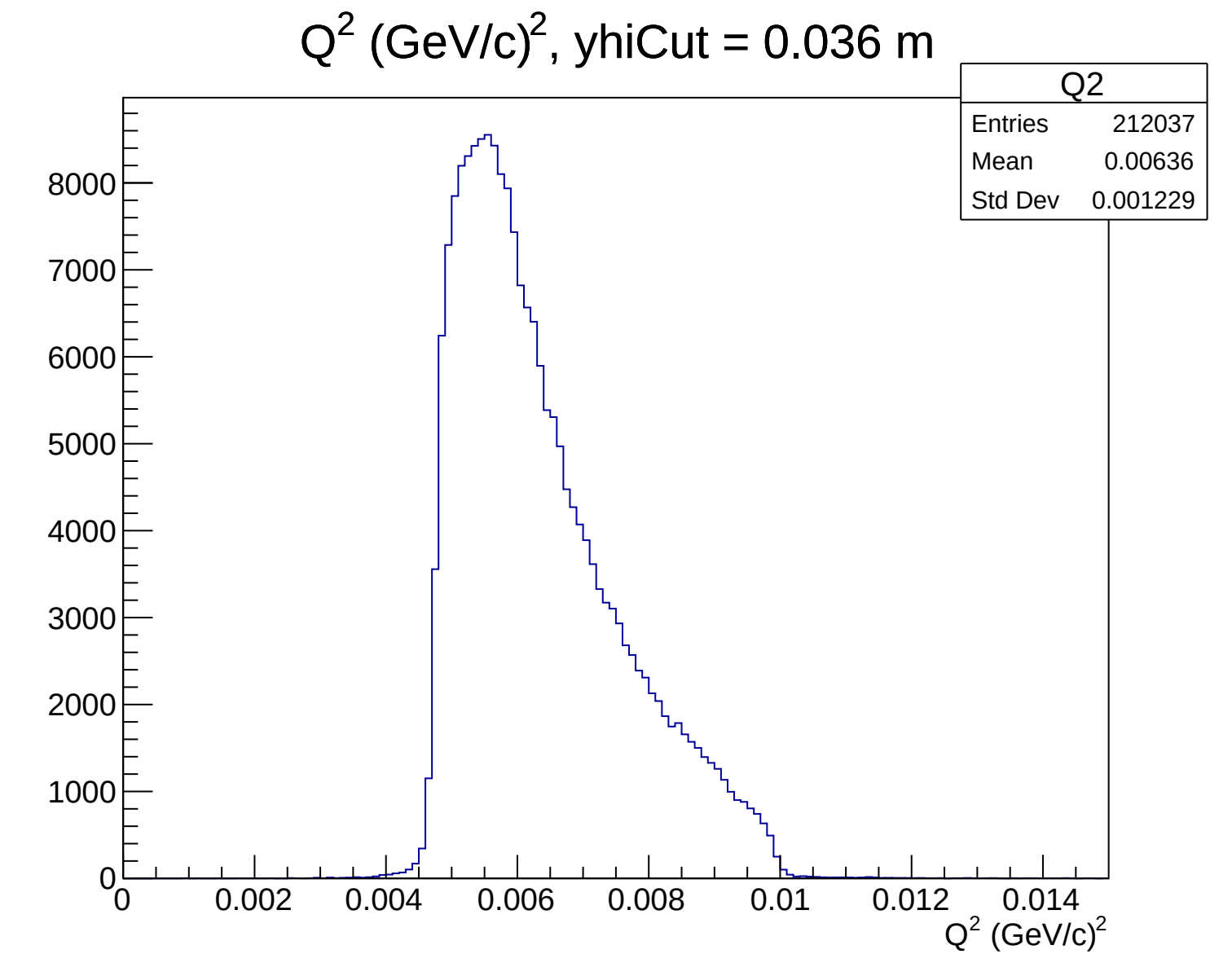

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

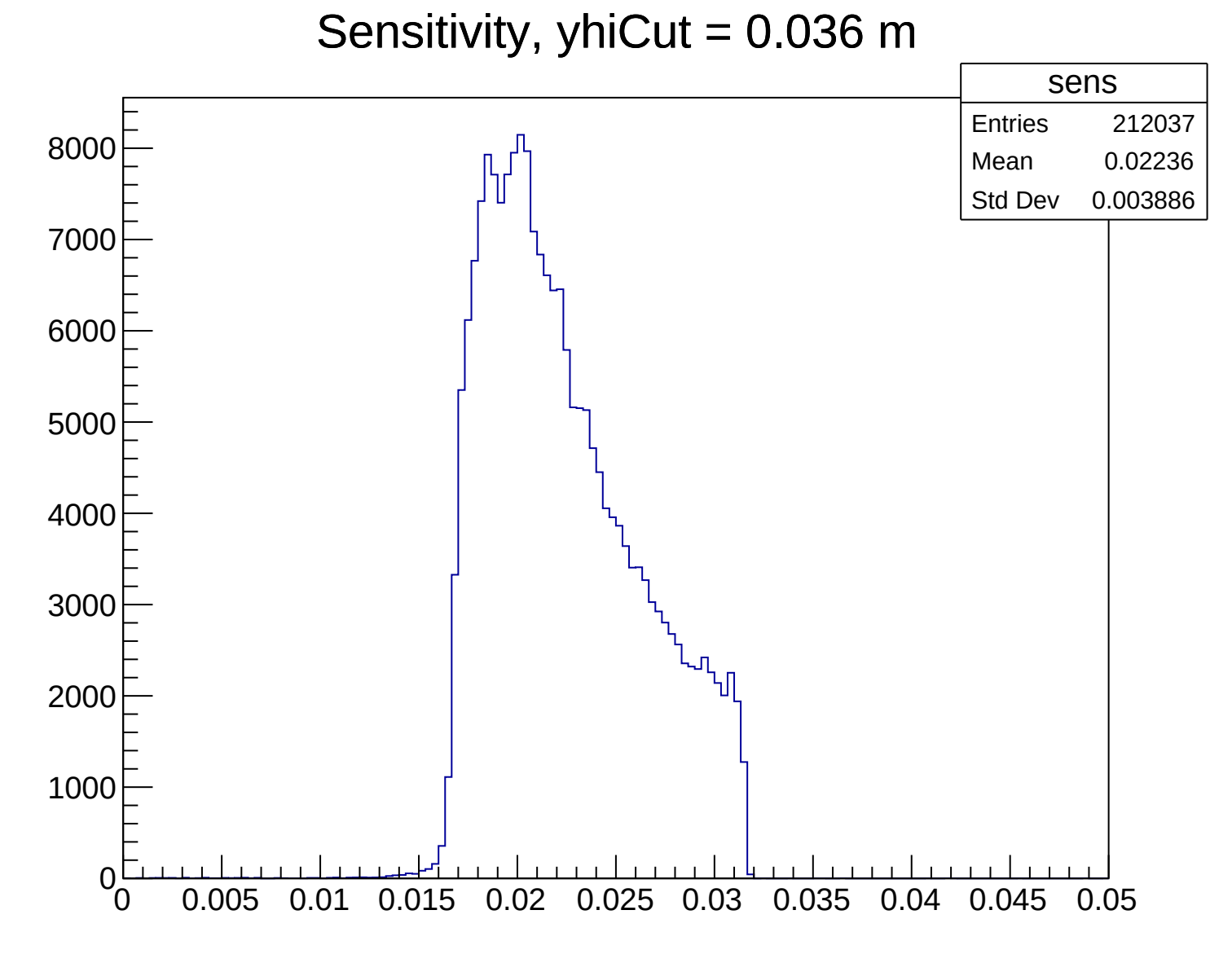

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

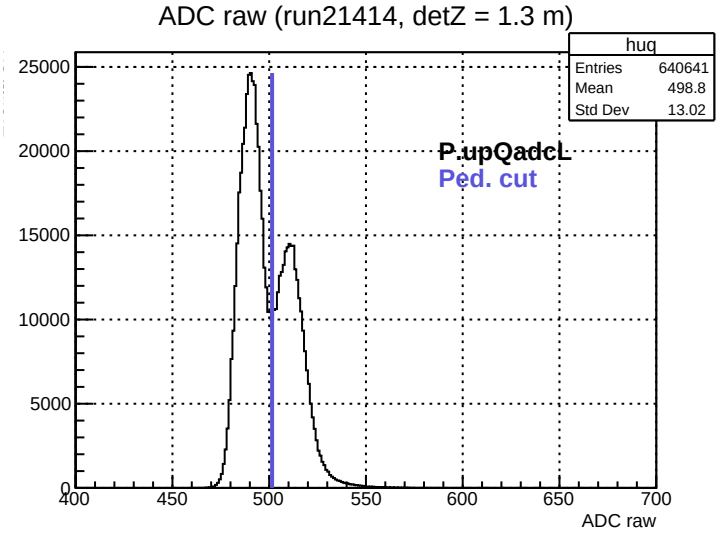

θlab (deg), yhiCut = 0.036 m
Theta
Entries 212037
Mean 4.798
Std Dev 0.4539
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

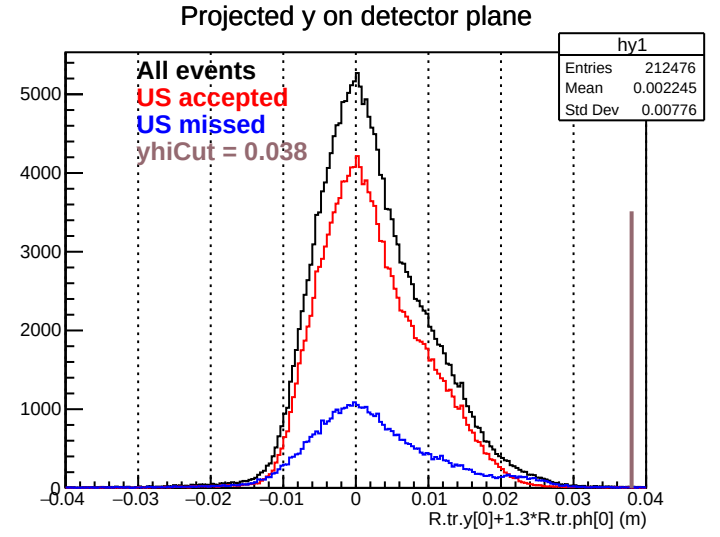

Asymmetry (ppm), yhiCut = 0.036 m
Asym
Entries 212037
Mean 0.5726
Std Dev 0.08077
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

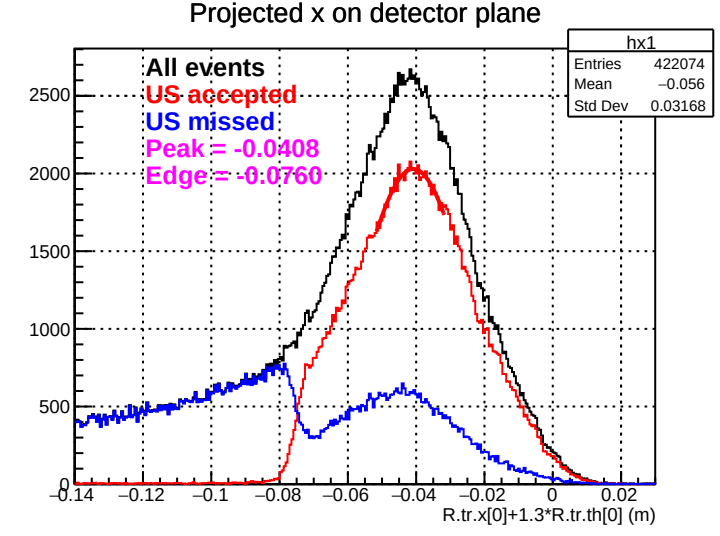

Stretched Asym. (ppm), yhiCut = 0.036 m
SAsym
Entries 212037
Mean 0.5595
Std Dev 0.07703
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

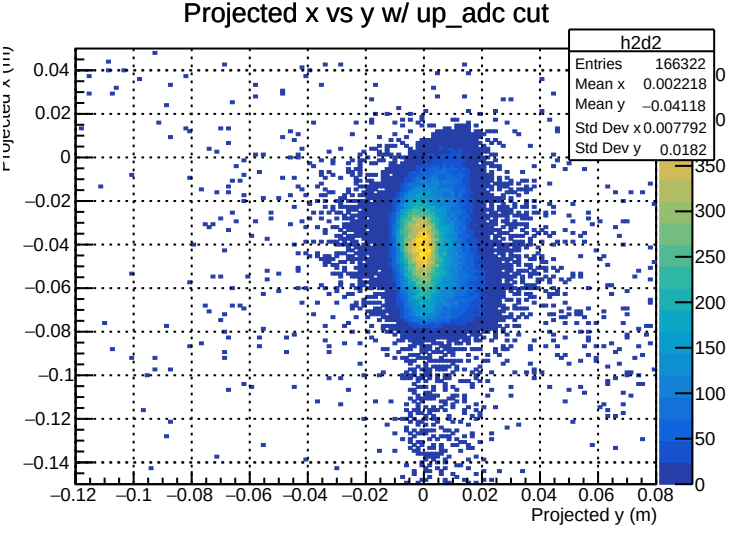

Q^2 (GeV/c)^2, yhiCut = 0.036 m
Q2
Entries 212037
Mean 0.00636
Std Dev 0.001229
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

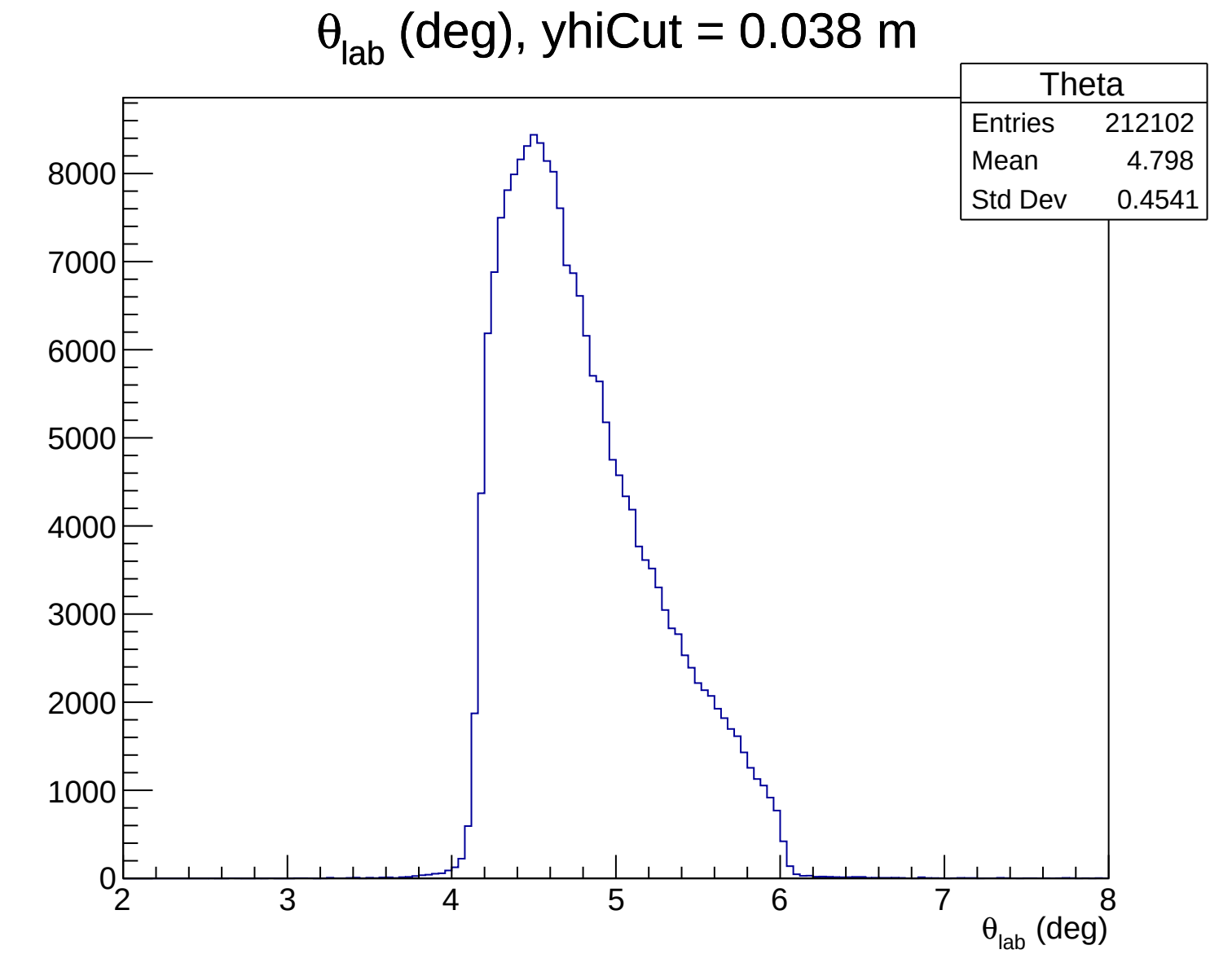

Sensitivity, yhiCut = 0.036 m
sens
Entries 212037
Mean 0.02236
Std Dev 0.003886
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

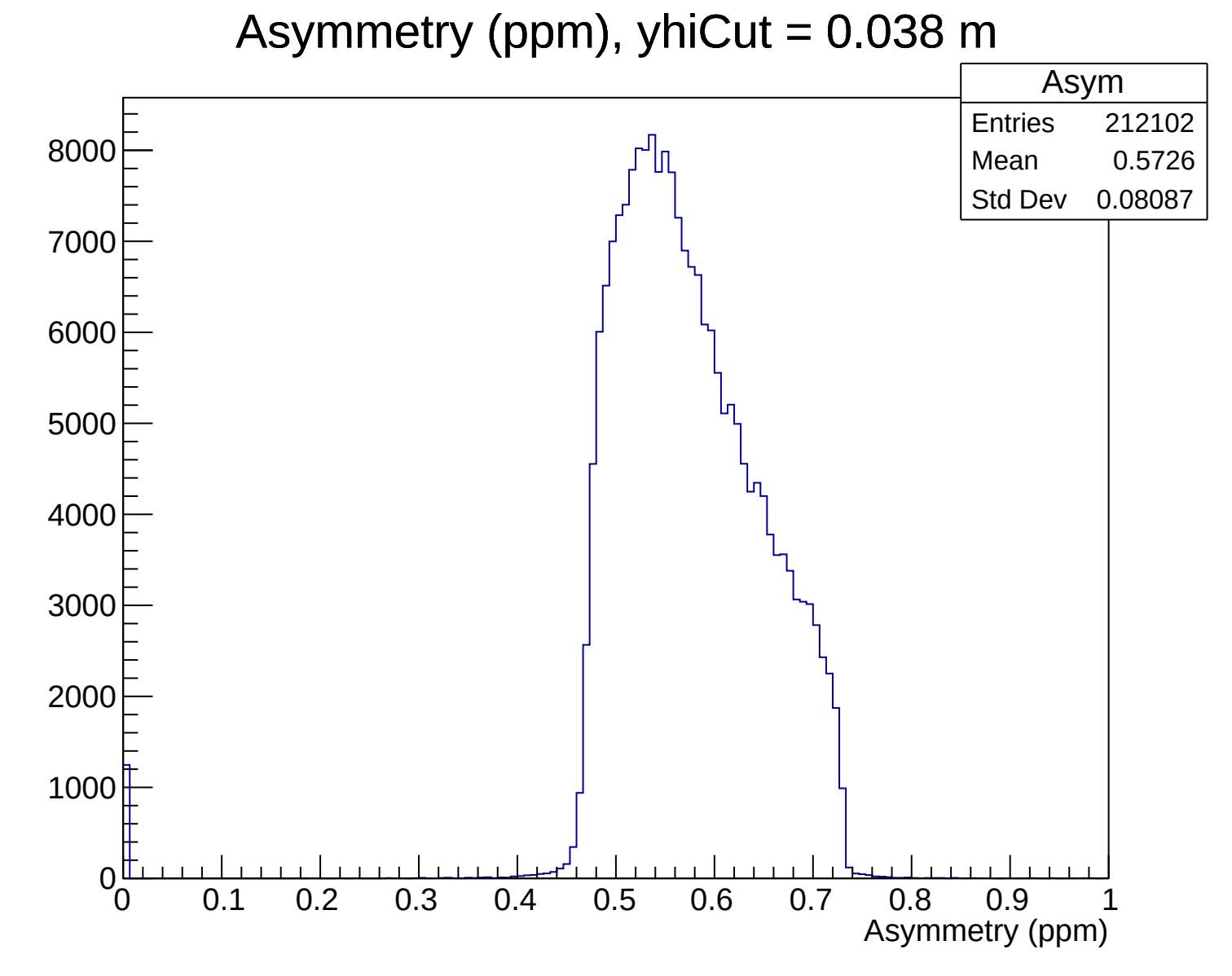

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

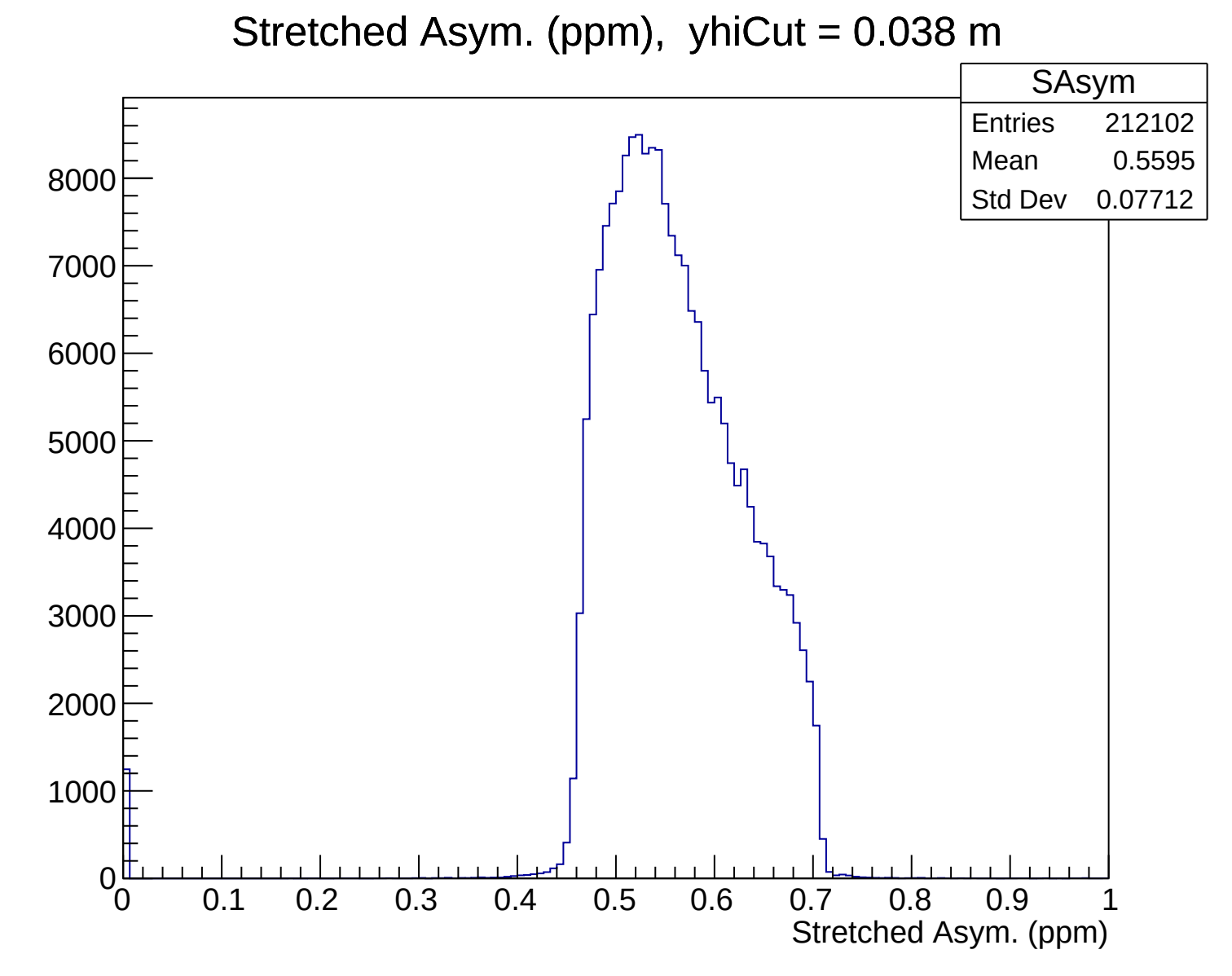

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.038
R.tr.y[0]+1.3*R.tr.ph[0] (m)

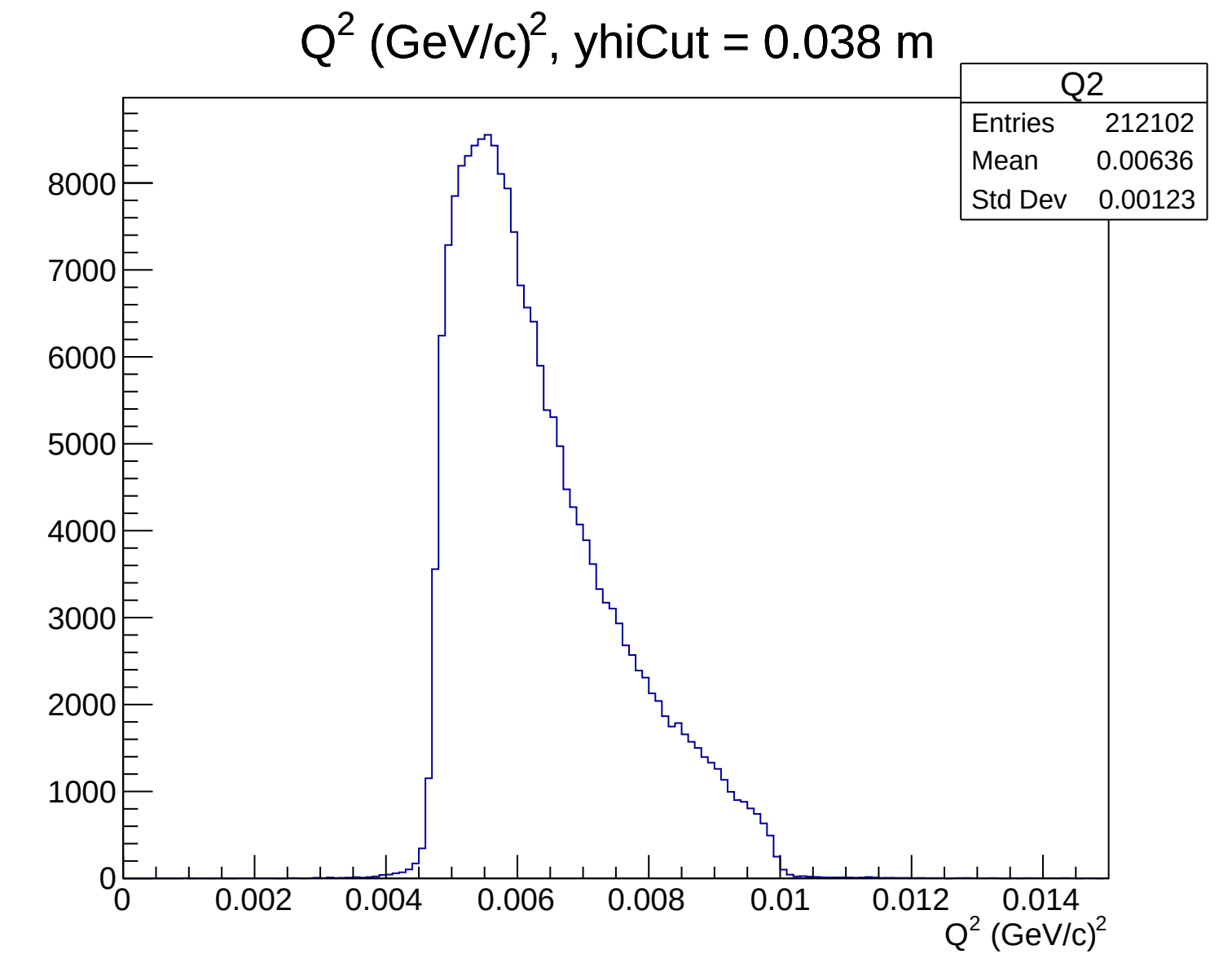

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

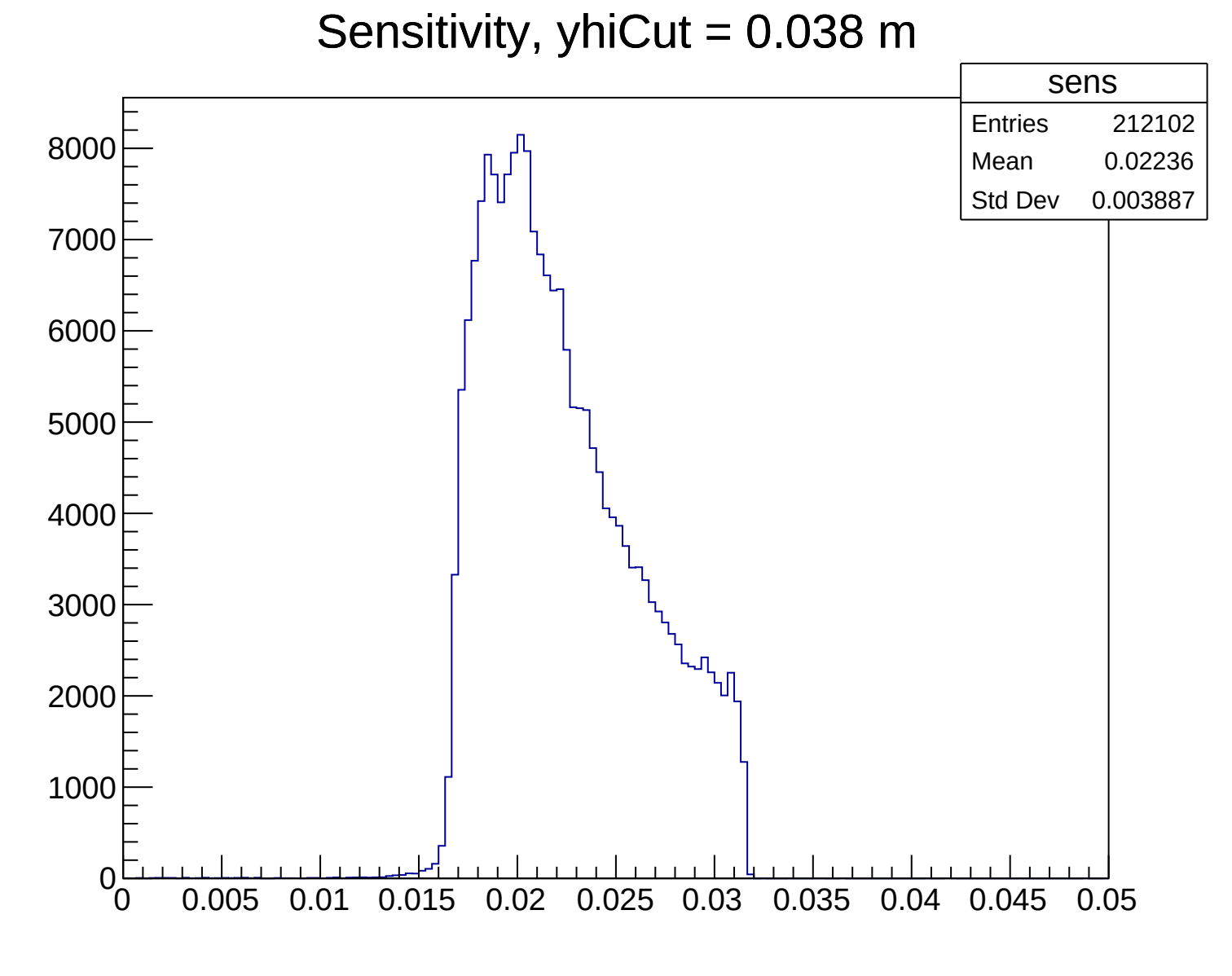

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)

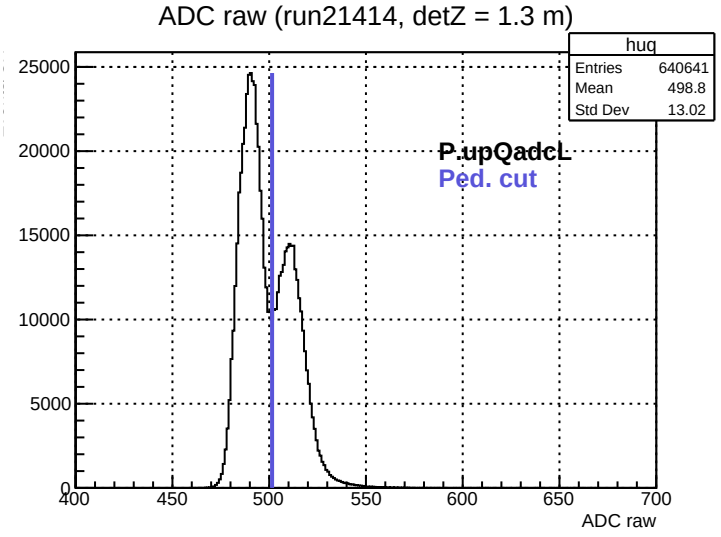

θlab (deg), yhiCut = 0.038 m
Theta
Entries 212102
Mean 4.798
Std Dev 0.4541
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

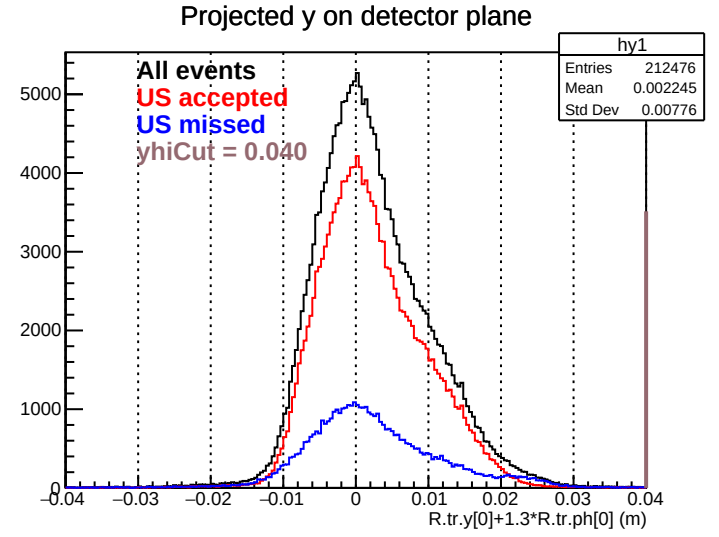

Asymmetry (ppm), yhiCut = 0.038 m
Asym
Entries 212102
Mean 0.5726
Std Dev 0.08087
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

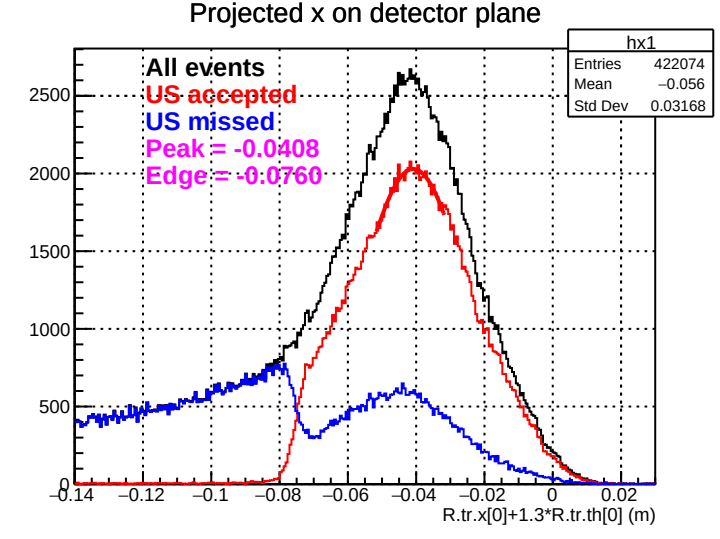

Stretched Asym. (ppm), yhiCut = 0.038 m
SAsym
Entries 212102
Mean 0.5595
Std Dev 0.07712
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

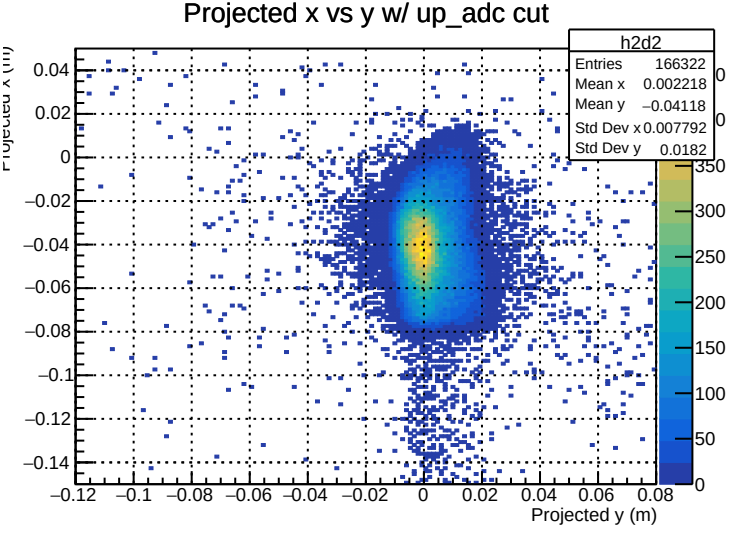

Q^2 (GeV/c)^2, yhiCut = 0.038 m
Q2
Entries 212102
Mean 0.00636
Std Dev 0.00123
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

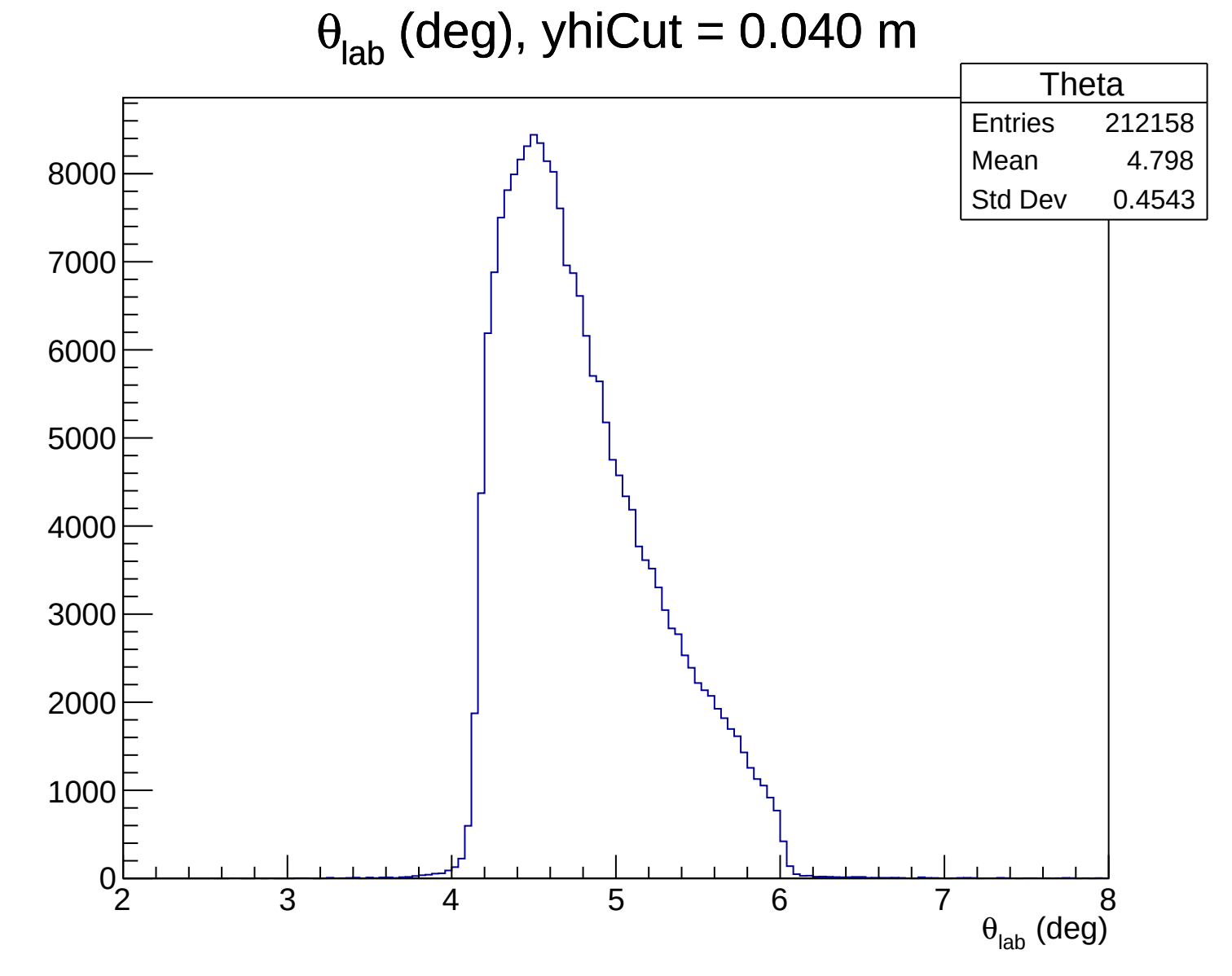

Sensitivity, yhiCut = 0.038 m
sens
Entries 212102
Mean 0.02236
Std Dev 0.003887
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

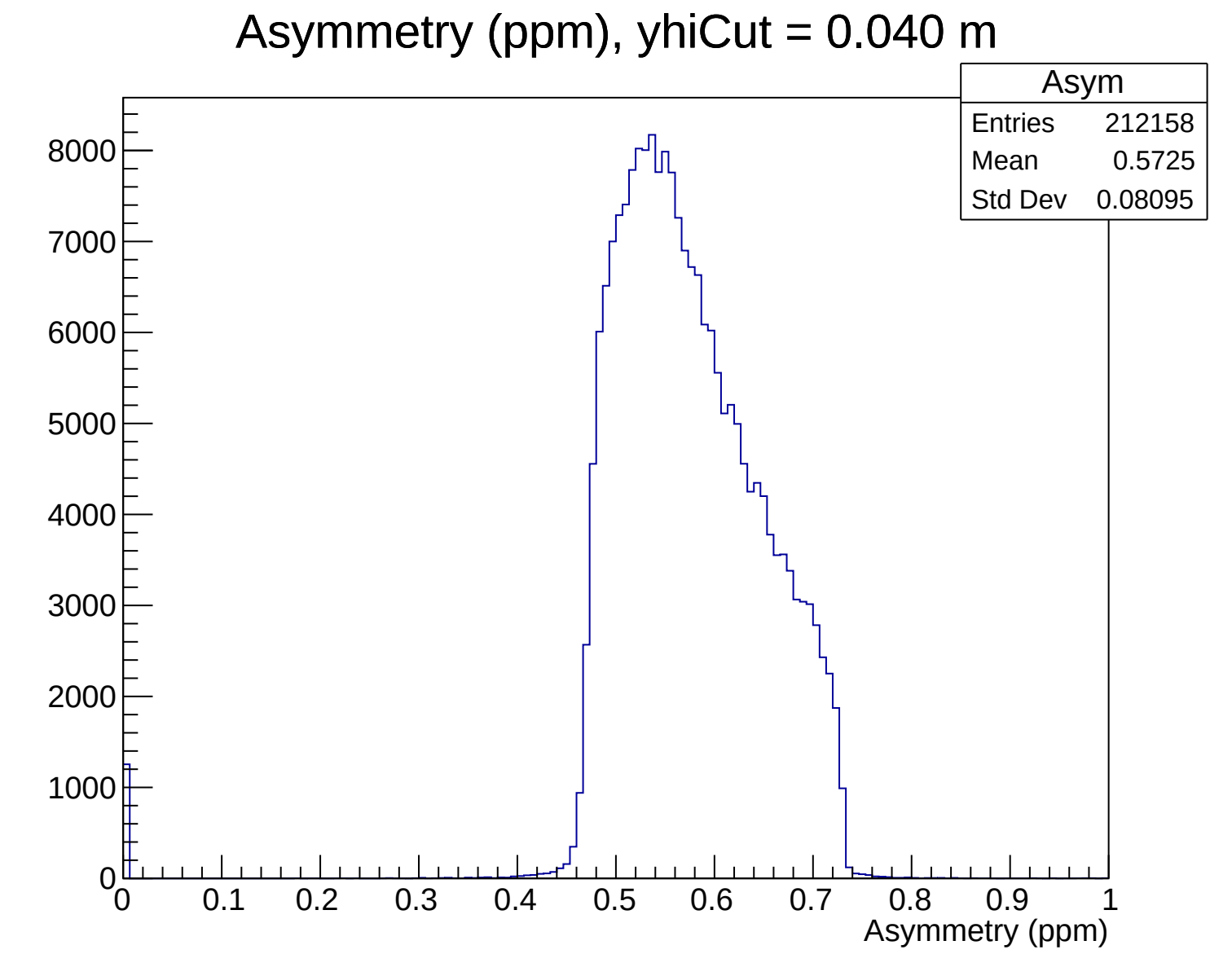

ADC raw (run21414, detZ = 1.3 m)
huq
Entries 640641
Mean 498.8
Std Dev 13.02
P.upQadcL
Ped. cut
ADC raw

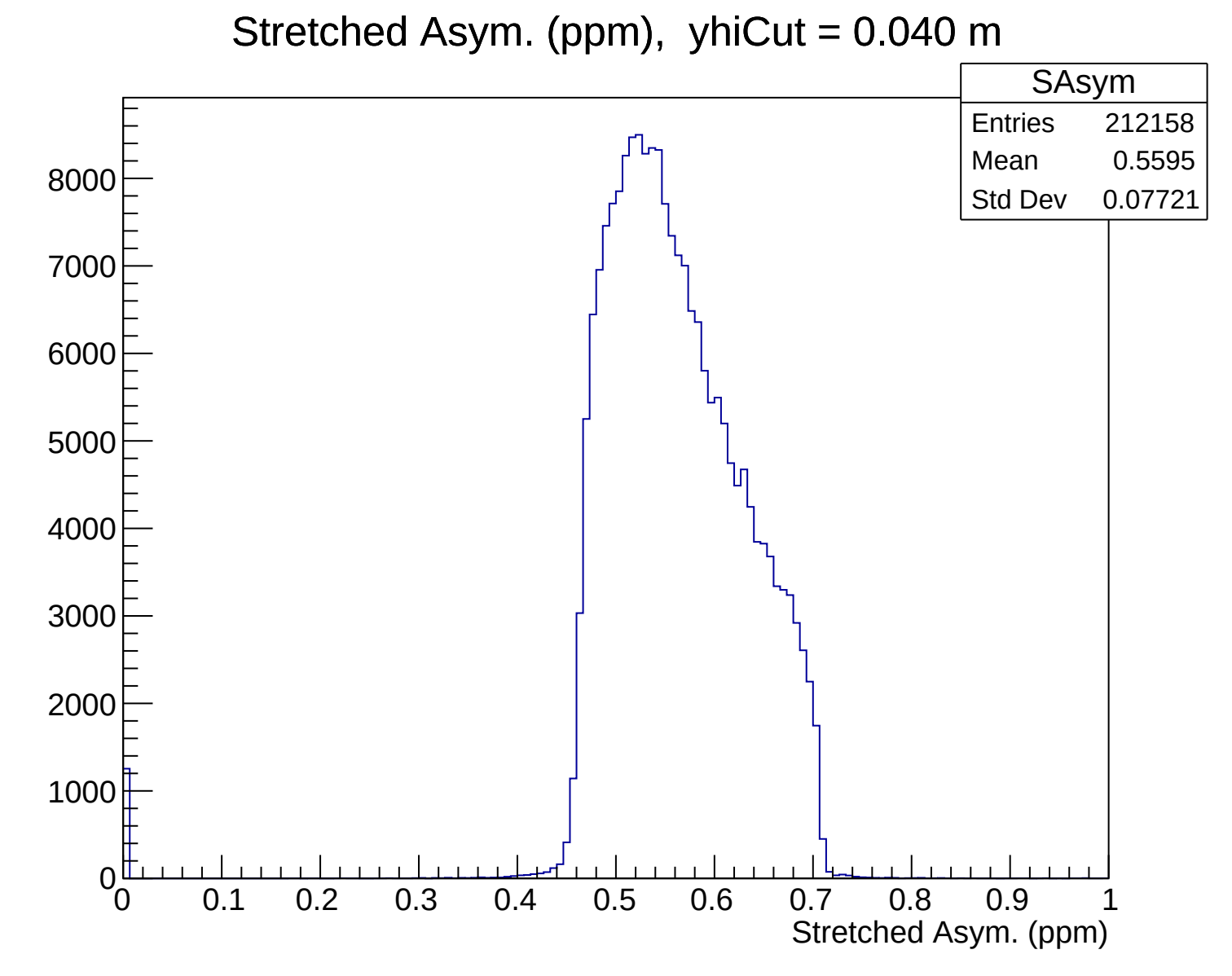

Projected y on detector plane
hy1
Entries 212476
Mean 0.002245
Std Dev 0.00776
All events
US accepted
US missed
yhiCut = 0.040
R.tr.y[0]+1.3*R.tr.ph[0] (m)

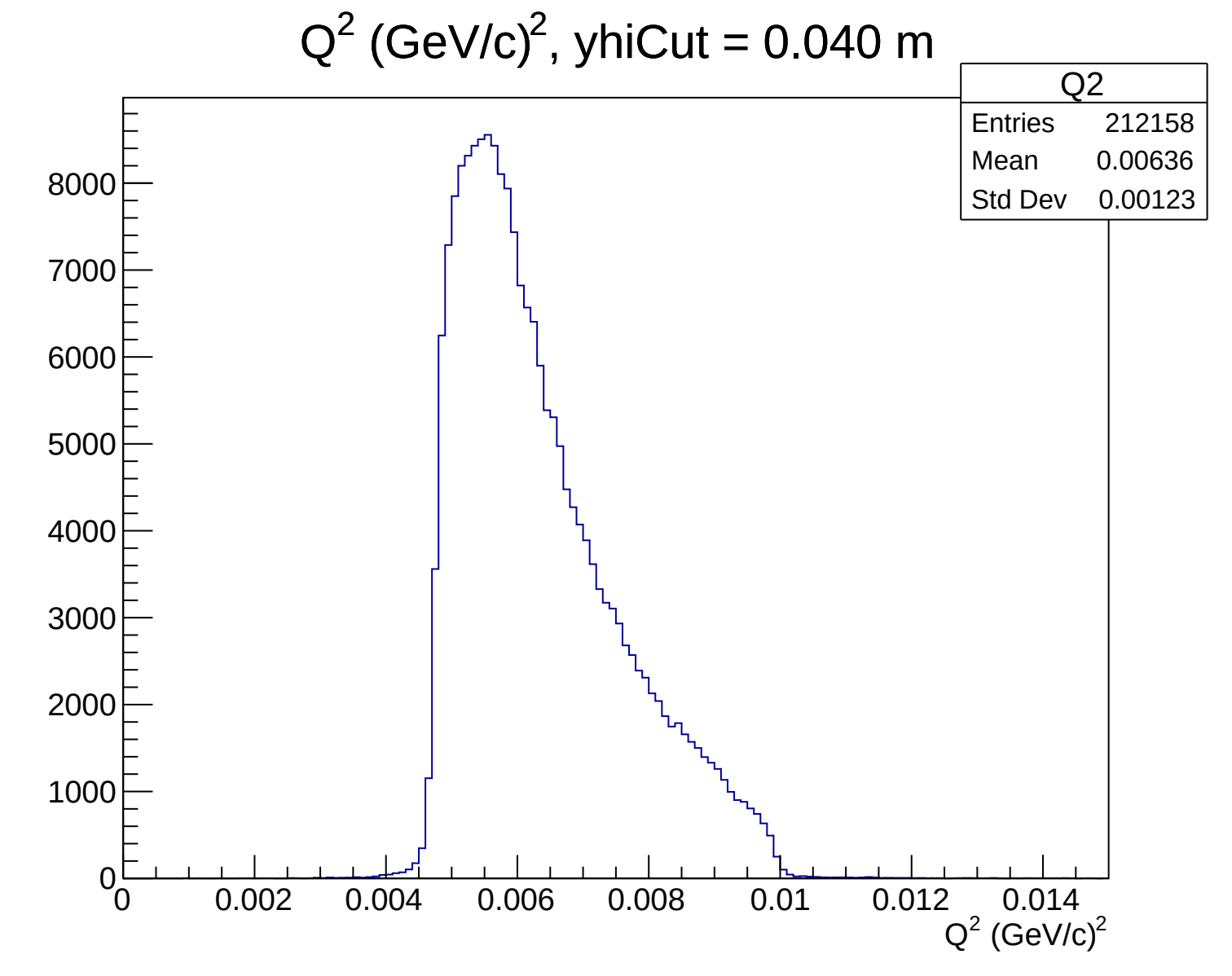

Projected x on detector plane
hx1
Entries 422074
Mean −0.056
Std Dev 0.03168
All events
US accepted
US missed
Peak = -0.0408
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

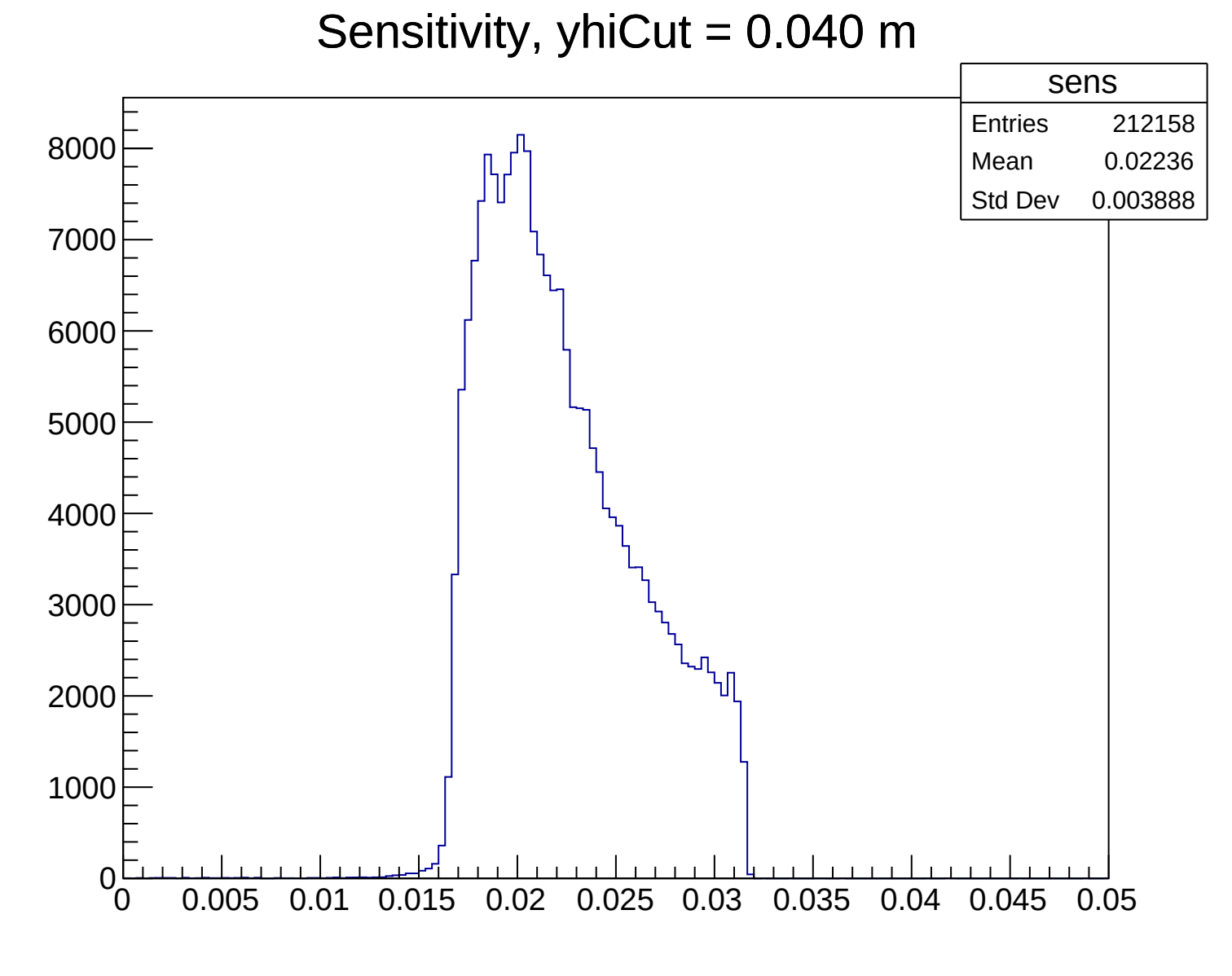

Projected x vs y w/ up_adc cut
h2d2
Entries 166322
Mean x 0.002218
Mean y −0.04118
Std Dev x 0.007792
Std Dev y 0.0182
Projected y (m)


θlab (deg), yhiCut = 0.040 m
Theta
Entries 212158
Mean 4.798
Std Dev 0.4543
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), yhiCut = 0.040 m
Asym
Entries 212158
Mean 0.5725
Std Dev 0.08095
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), yhiCut = 0.040 m
SAsym
Entries 212158
Mean 0.5595
Std Dev 0.07721
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, yhiCut = 0.040 m
Q2
Entries 212158
Mean 0.00636
Std Dev 0.00123
8000
7000
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 212158
Mean 0.02236
Std Dev 0.003888
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05