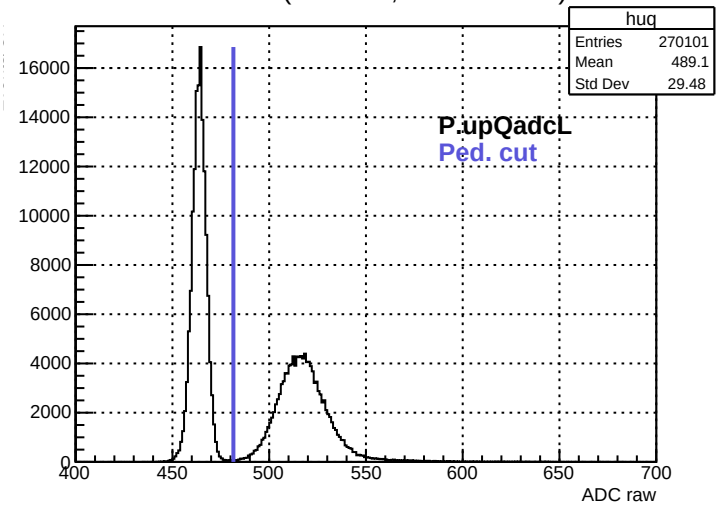
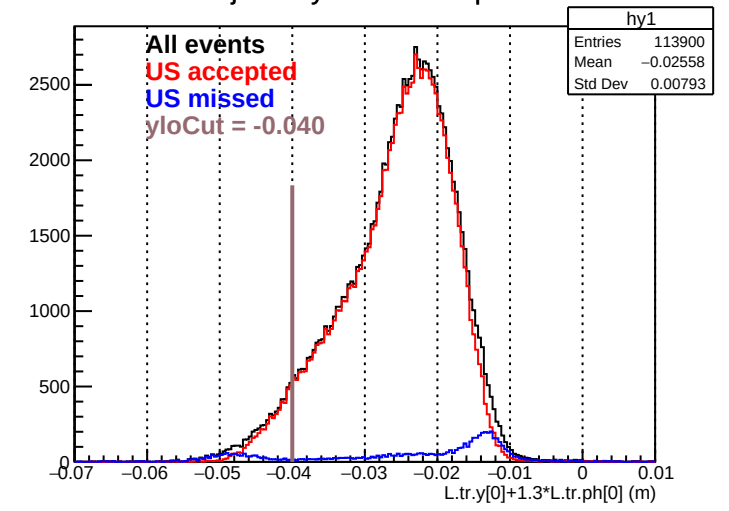
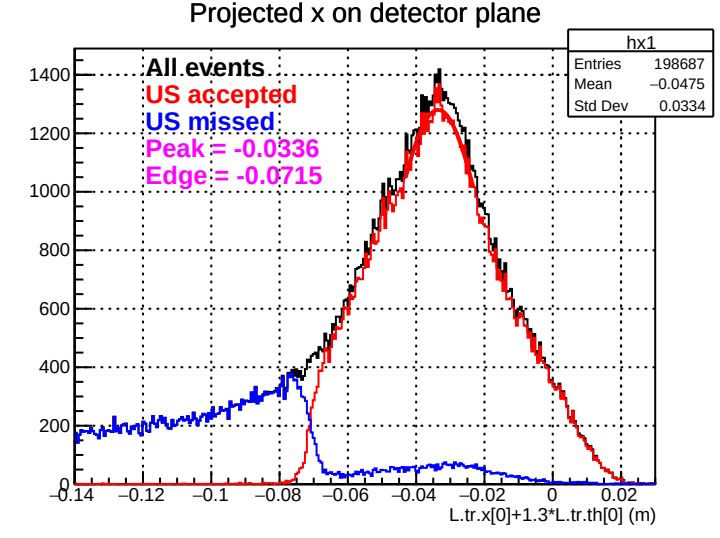
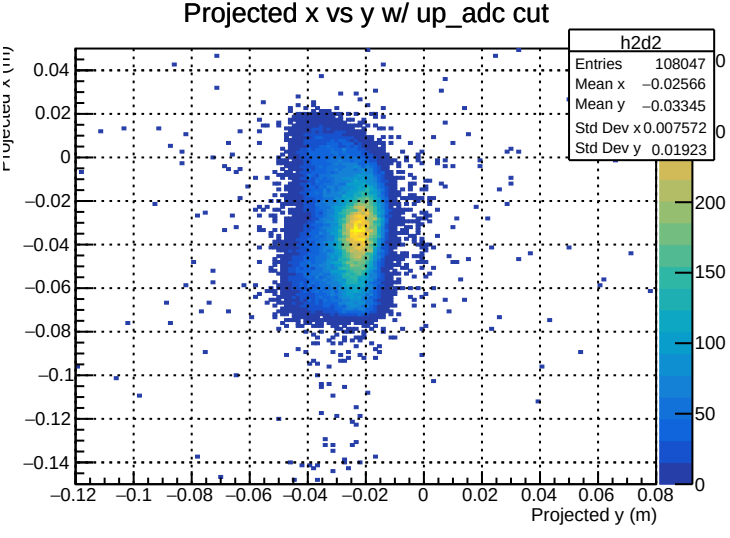
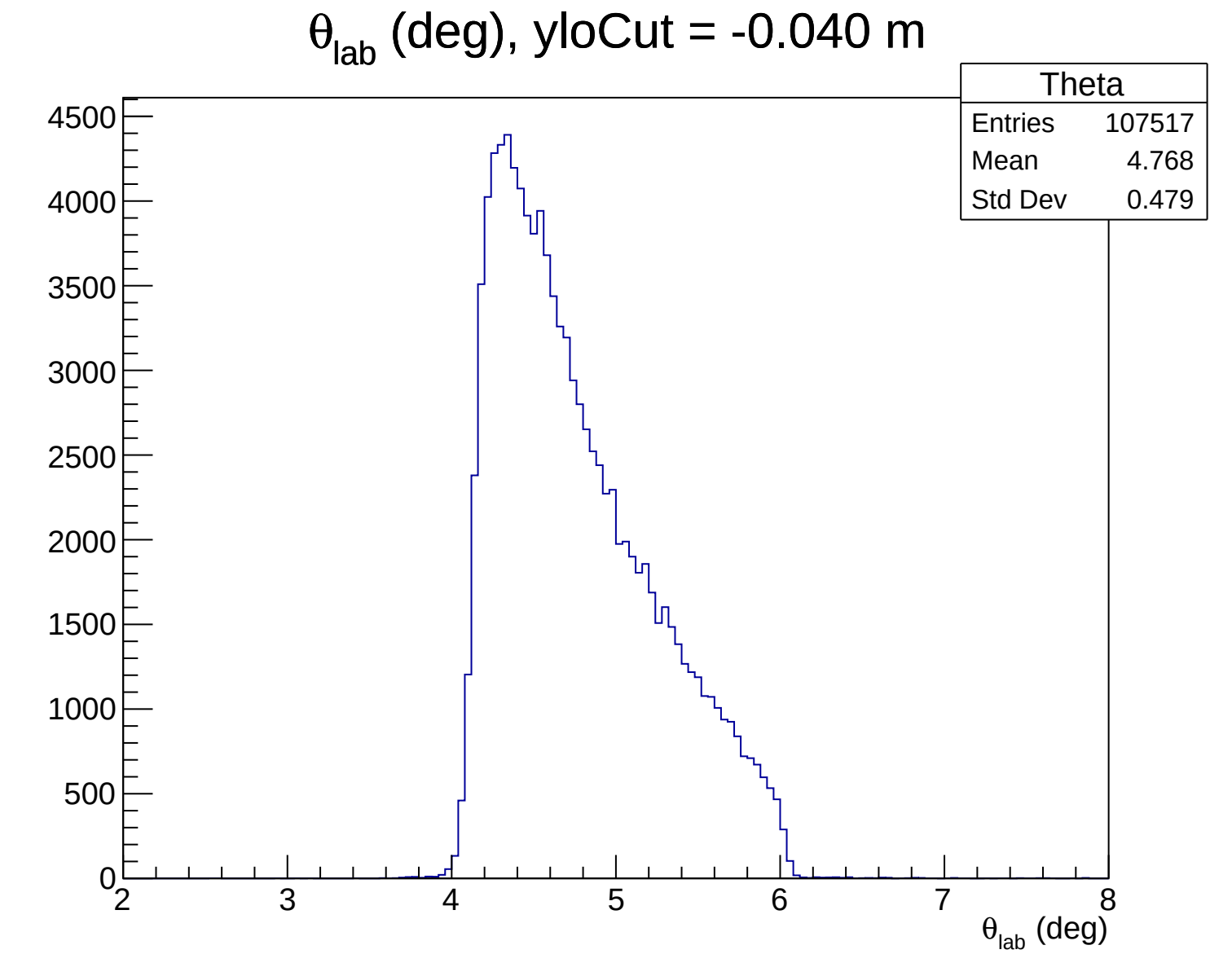
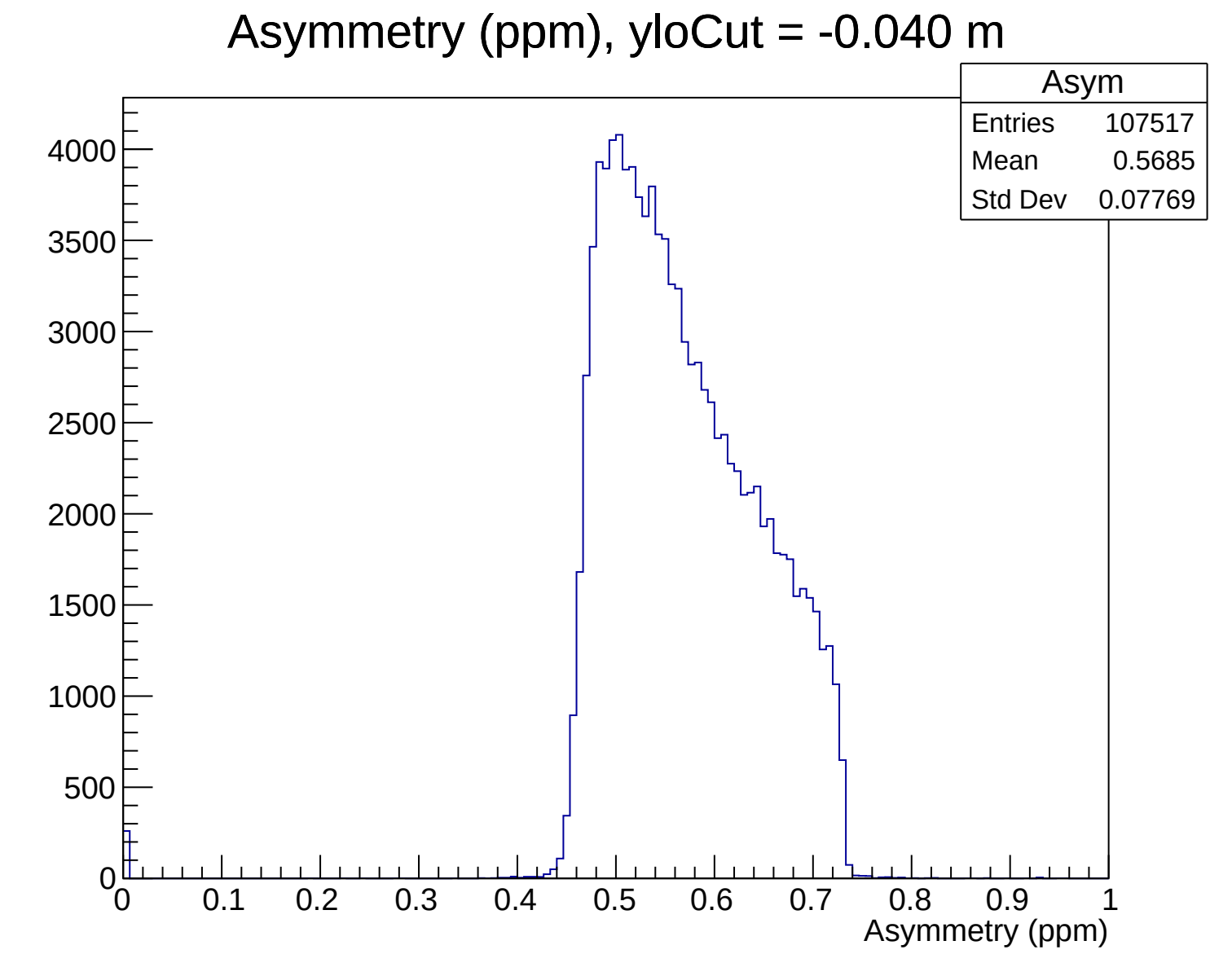

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

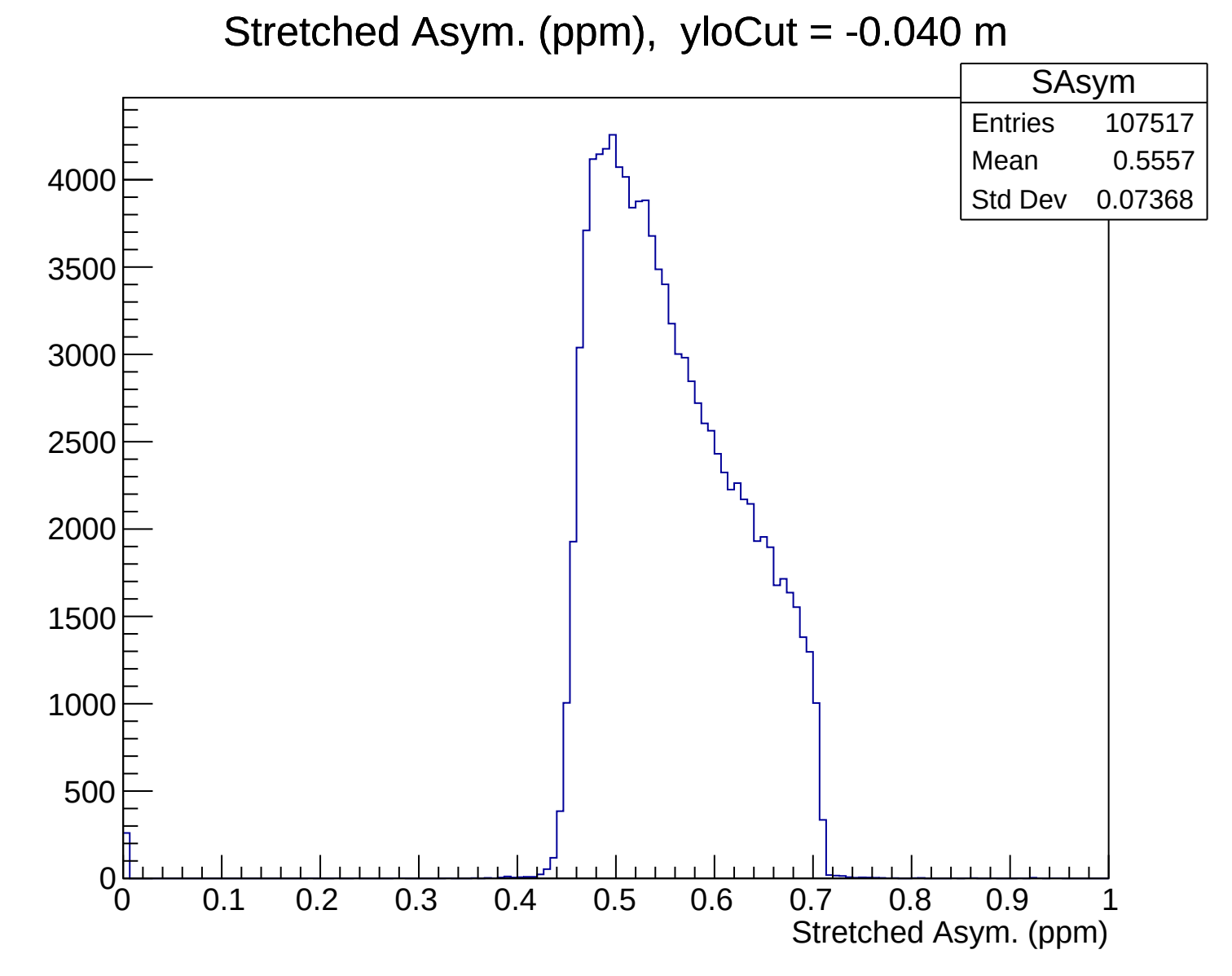

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.040
L.tr.y[0]+1.3*L.tr.ph[0] (m)

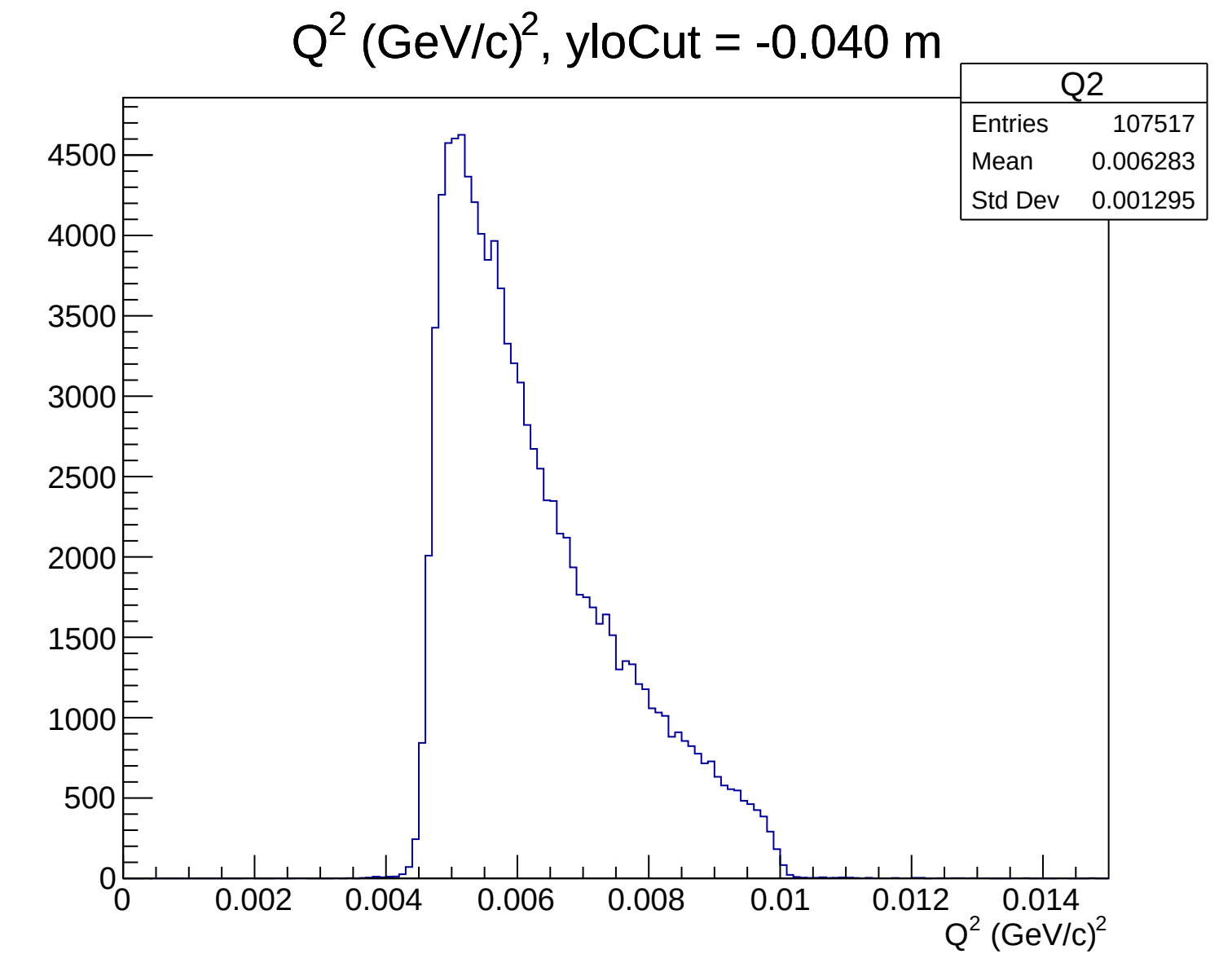

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

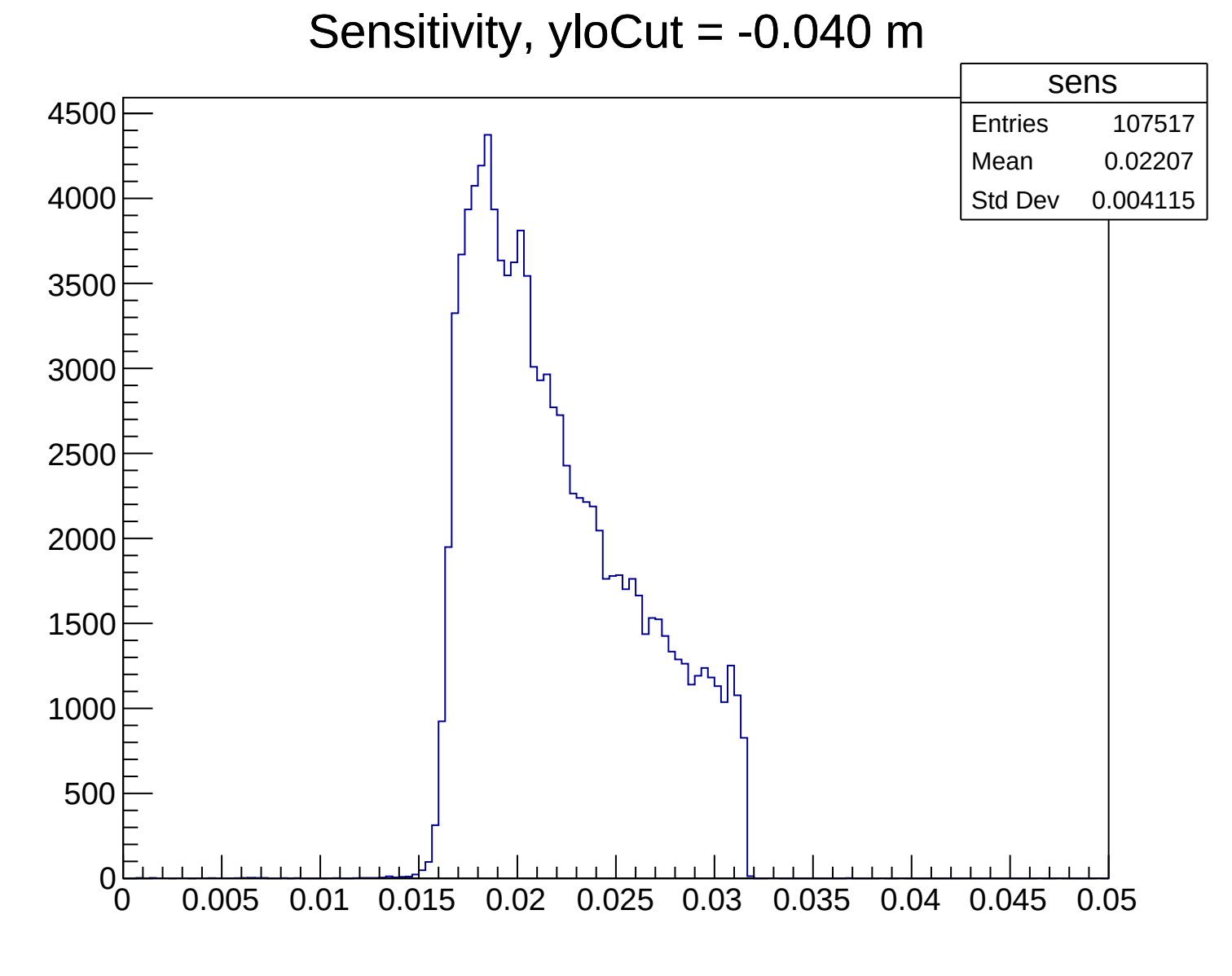

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

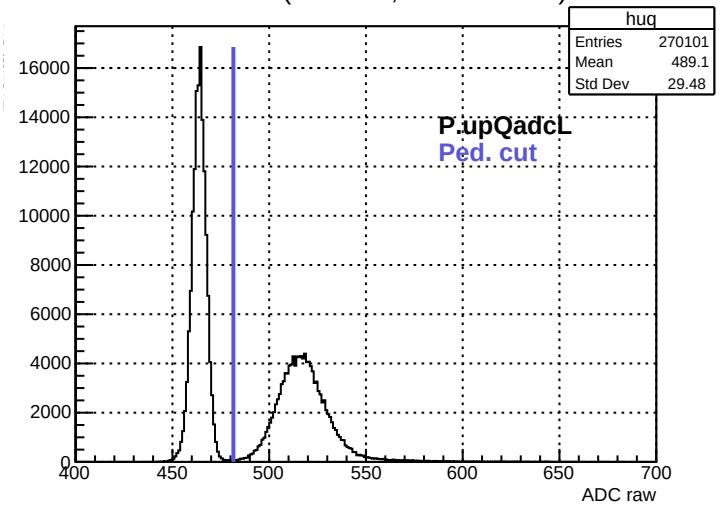

θlab (deg), yloCut = -0.040 m
Theta
Entries 107517
Mean 4.768
Std Dev 0.479
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

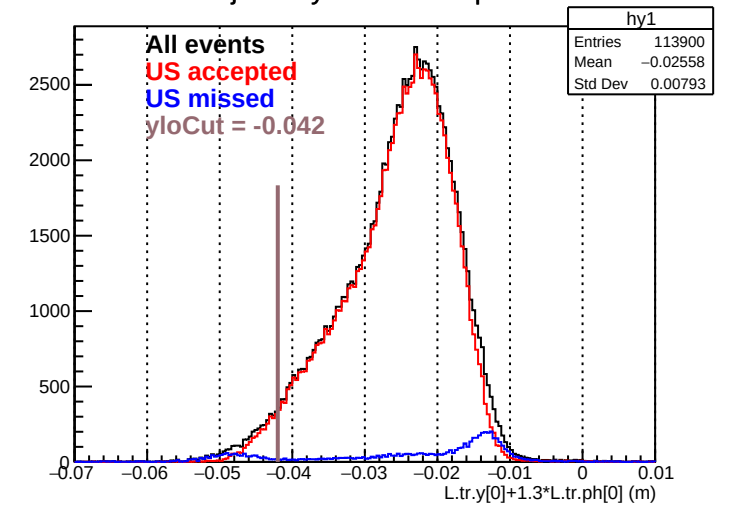

Asymmetry (ppm), yloCut = -0.040 m
Asym
Entries 107517
Mean 0.5685
Std Dev 0.07769
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

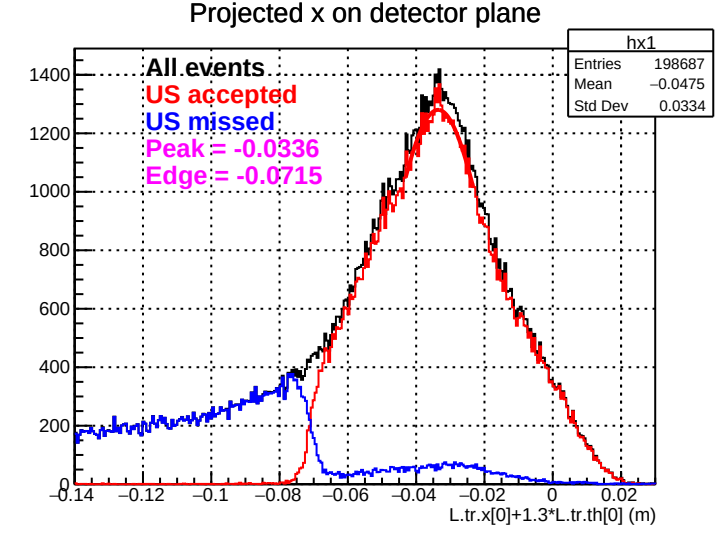

Stretched Asym. (ppm), yloCut = -0.040 m
SAsym
Entries 107517
Mean 0.5557
Std Dev 0.07368
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

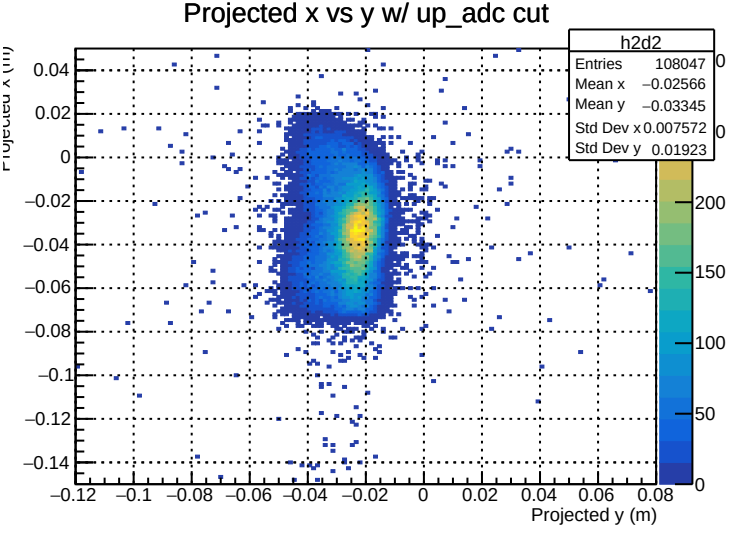

Q^2 (GeV/c)^2, yloCut = -0.040 m
Q2
Entries 107517
Mean 0.006283
Std Dev 0.001295
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

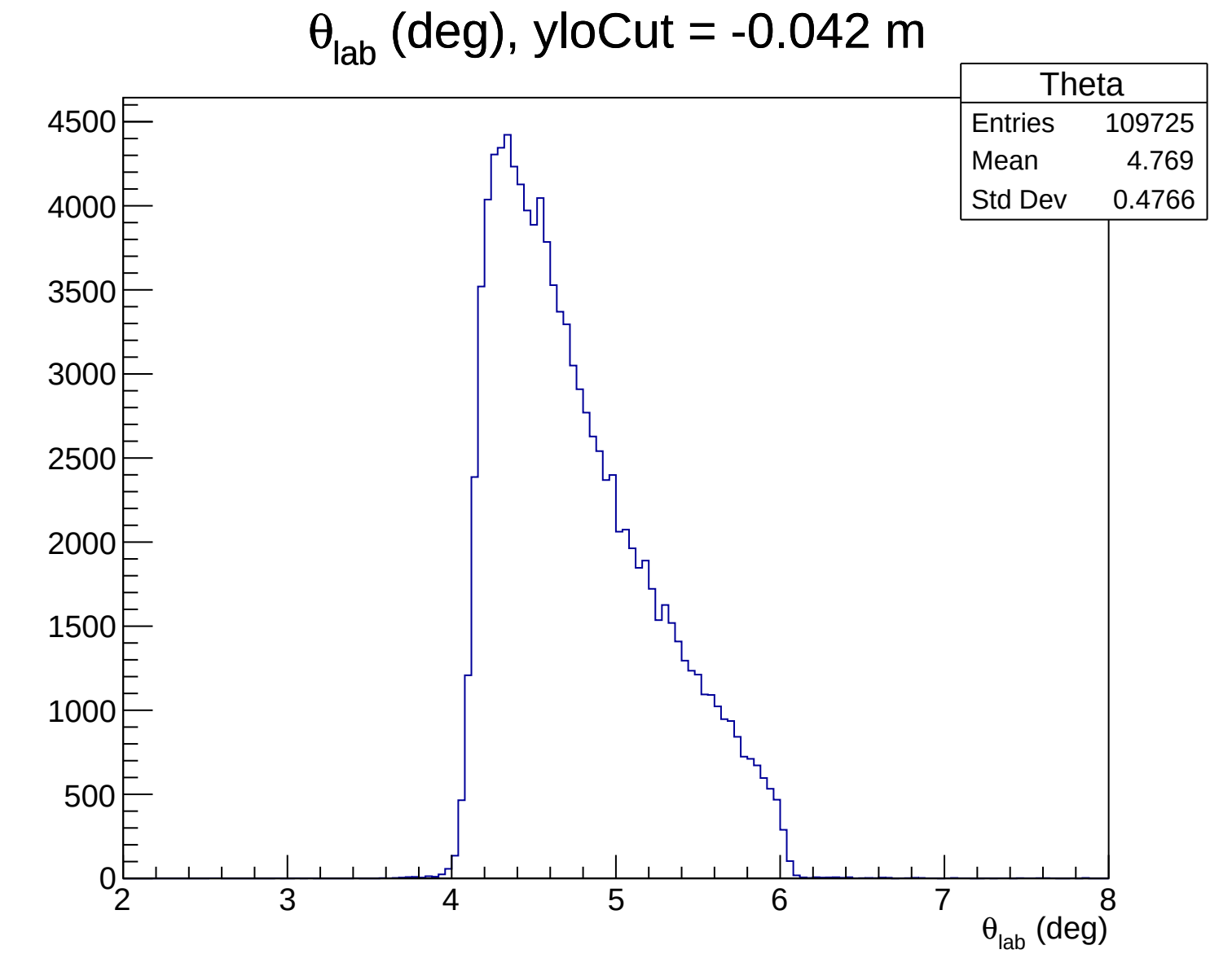

Sensitivity, yloCut = -0.040 m
sens
Entries 107517
Mean 0.02207
Std Dev 0.004115
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

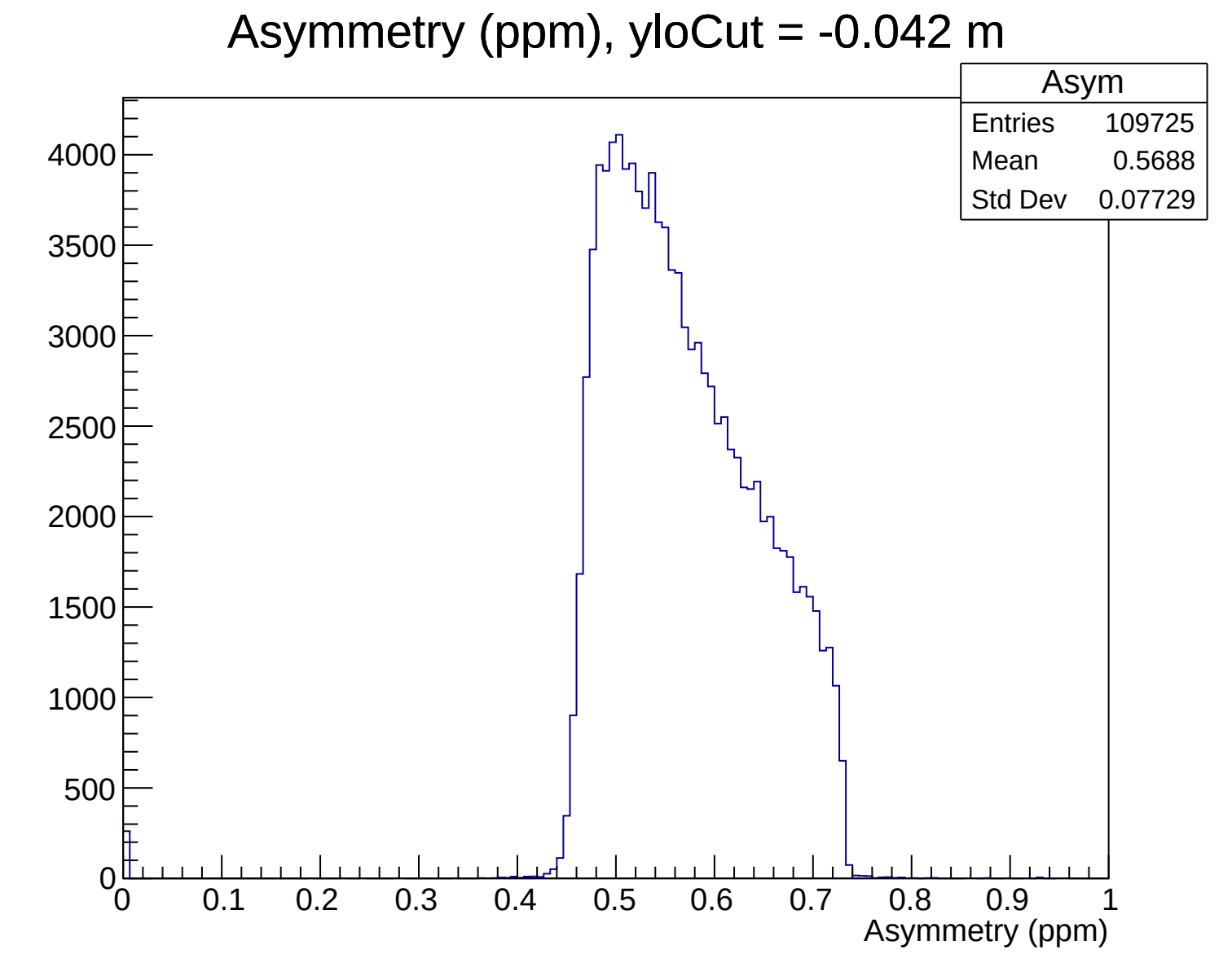

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

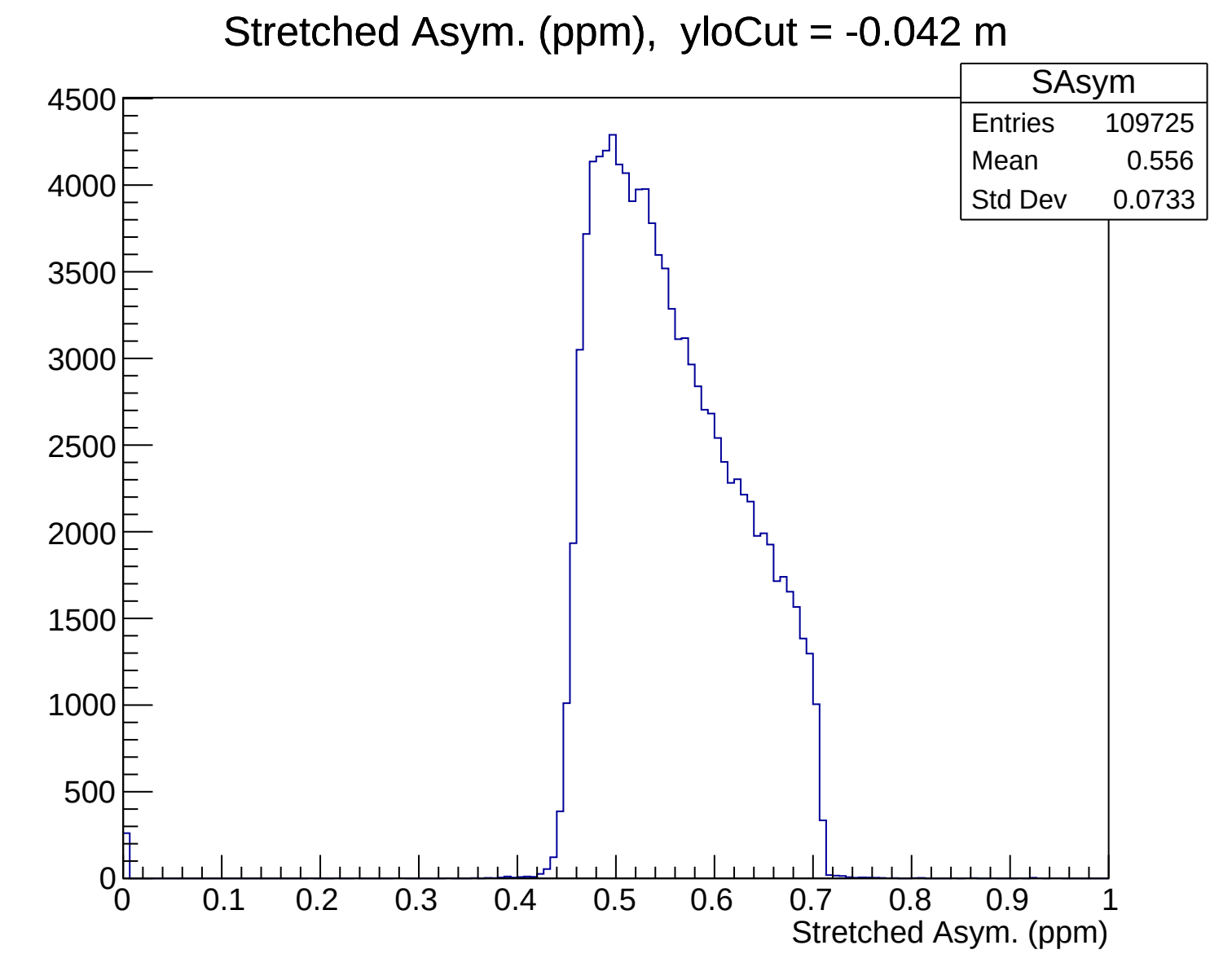

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.042
L.tr.y[0]+1.3*L.tr.ph[0] (m)

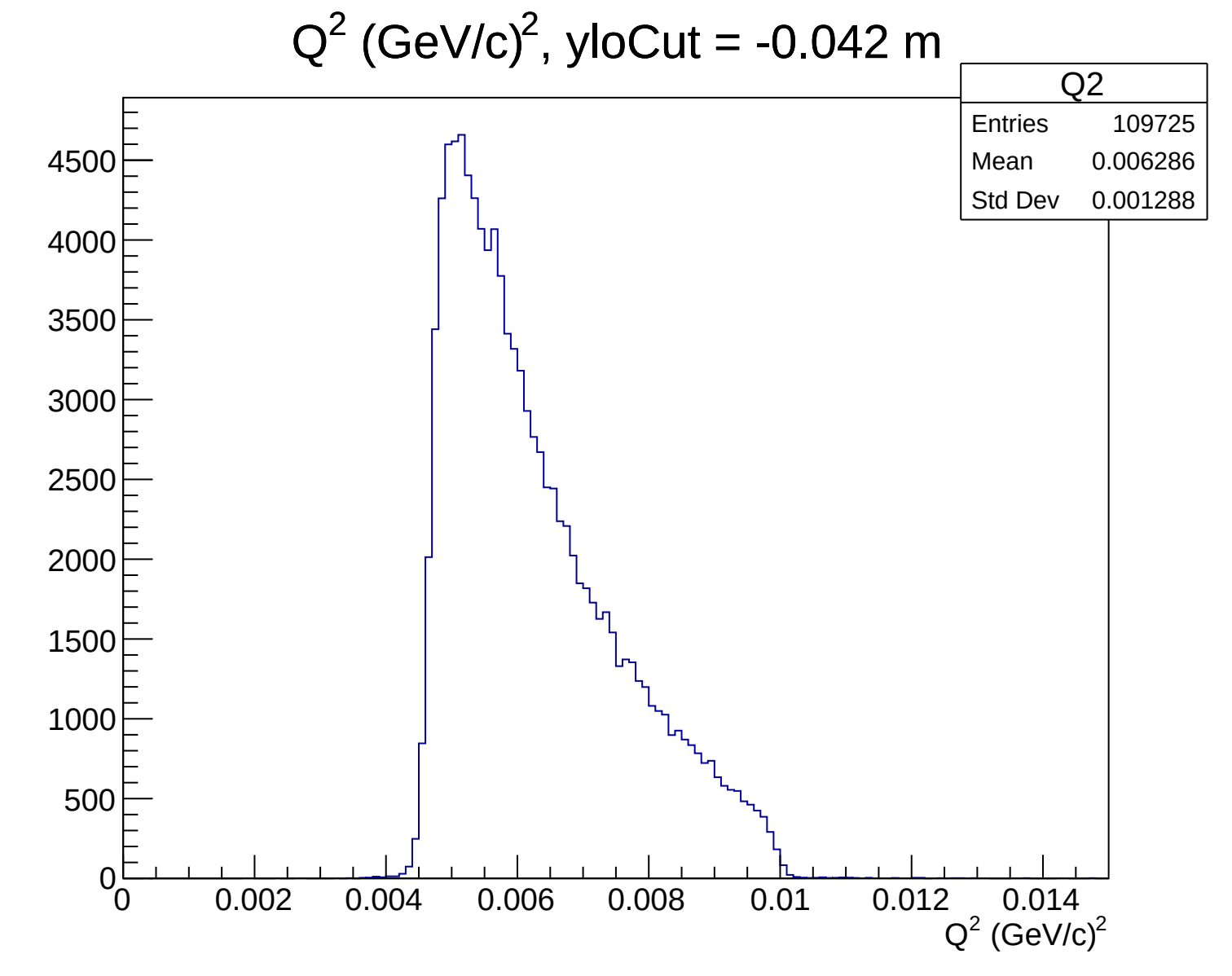

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

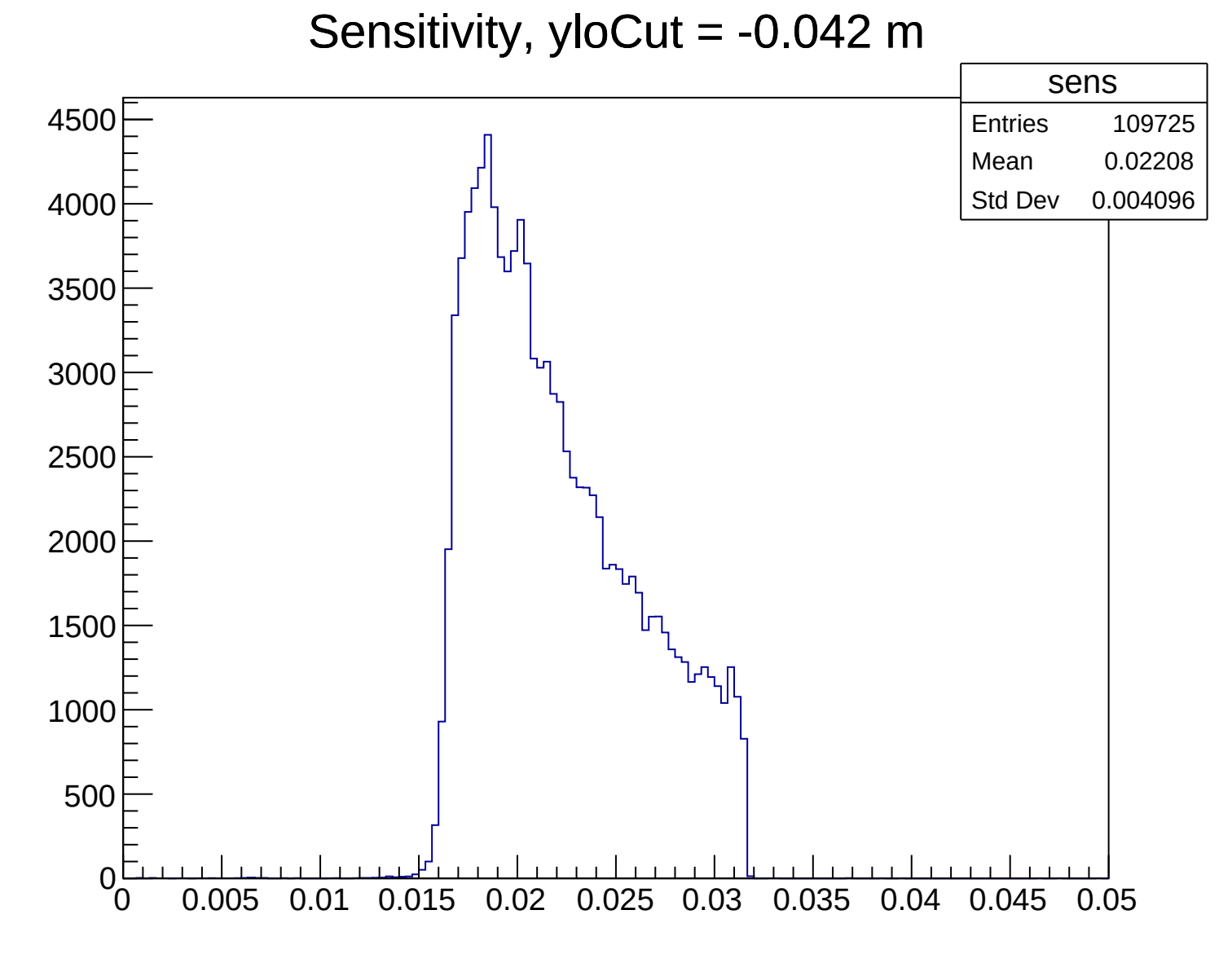

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

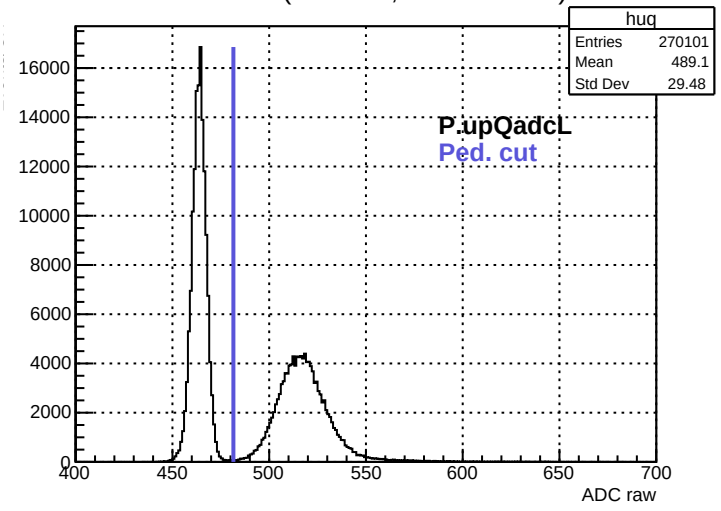

θlab (deg), yloCut = -0.042 m
Theta
Entries 109725
Mean 4.769
Std Dev 0.4766
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

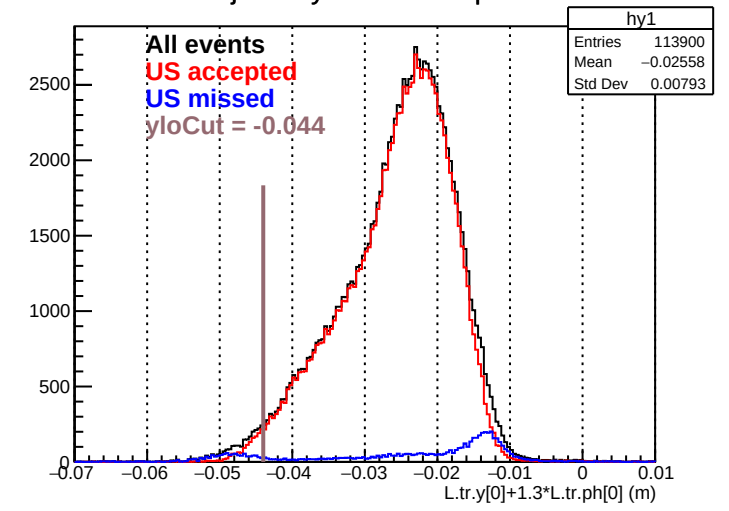

Asymmetry (ppm), yloCut = -0.042 m
Asym
Entries 109725
Mean 0.5688
Std Dev 0.07729
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

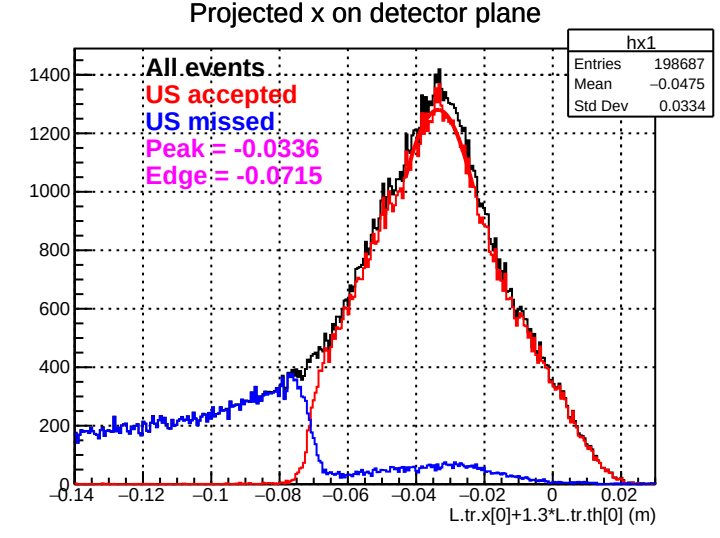

Stretched Asym. (ppm), yloCut = -0.042 m
SAsym
Entries 109725
Mean 0.556
Std Dev 0.0733
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

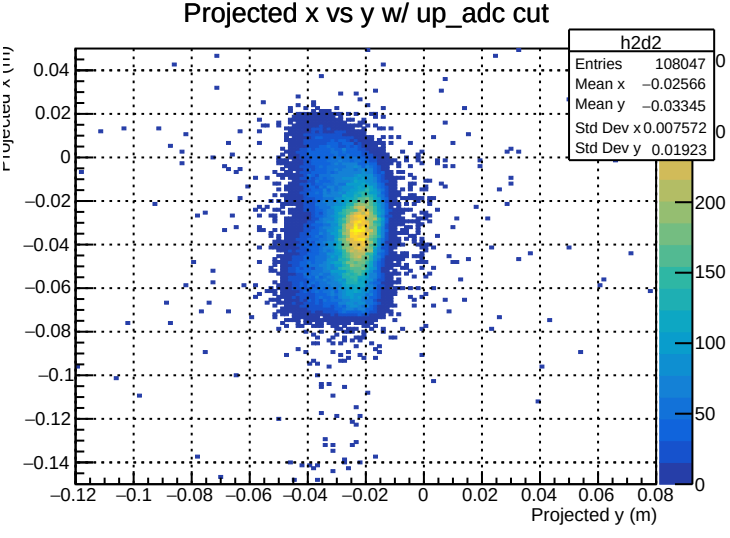

Q^2 (GeV/c)^2, yloCut = -0.042 m
Q2
Entries 109725
Mean 0.006286
Std Dev 0.001288
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

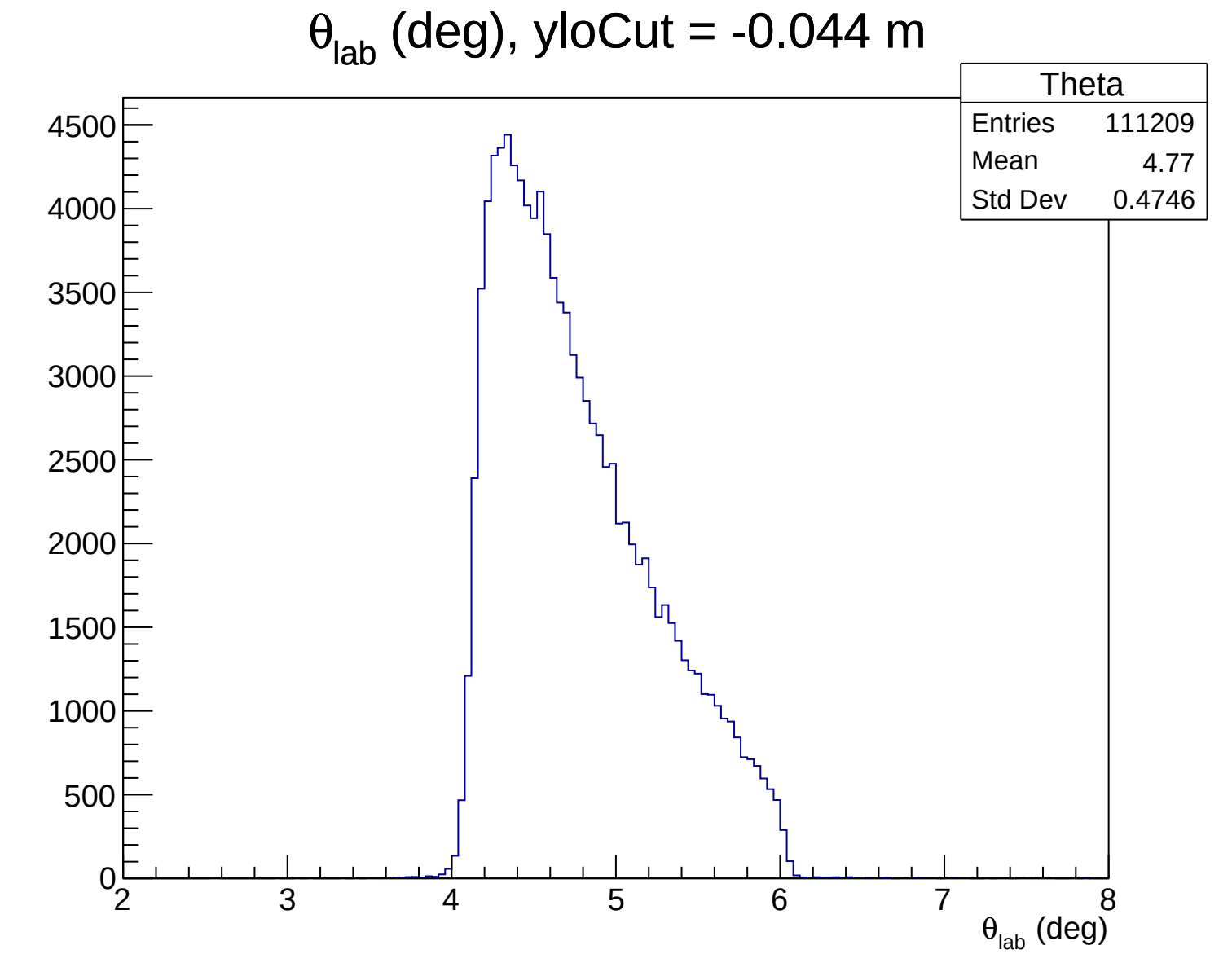

Sensitivity, yloCut = -0.042 m
sens
Entries 109725
Mean 0.02208
Std Dev 0.004096
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

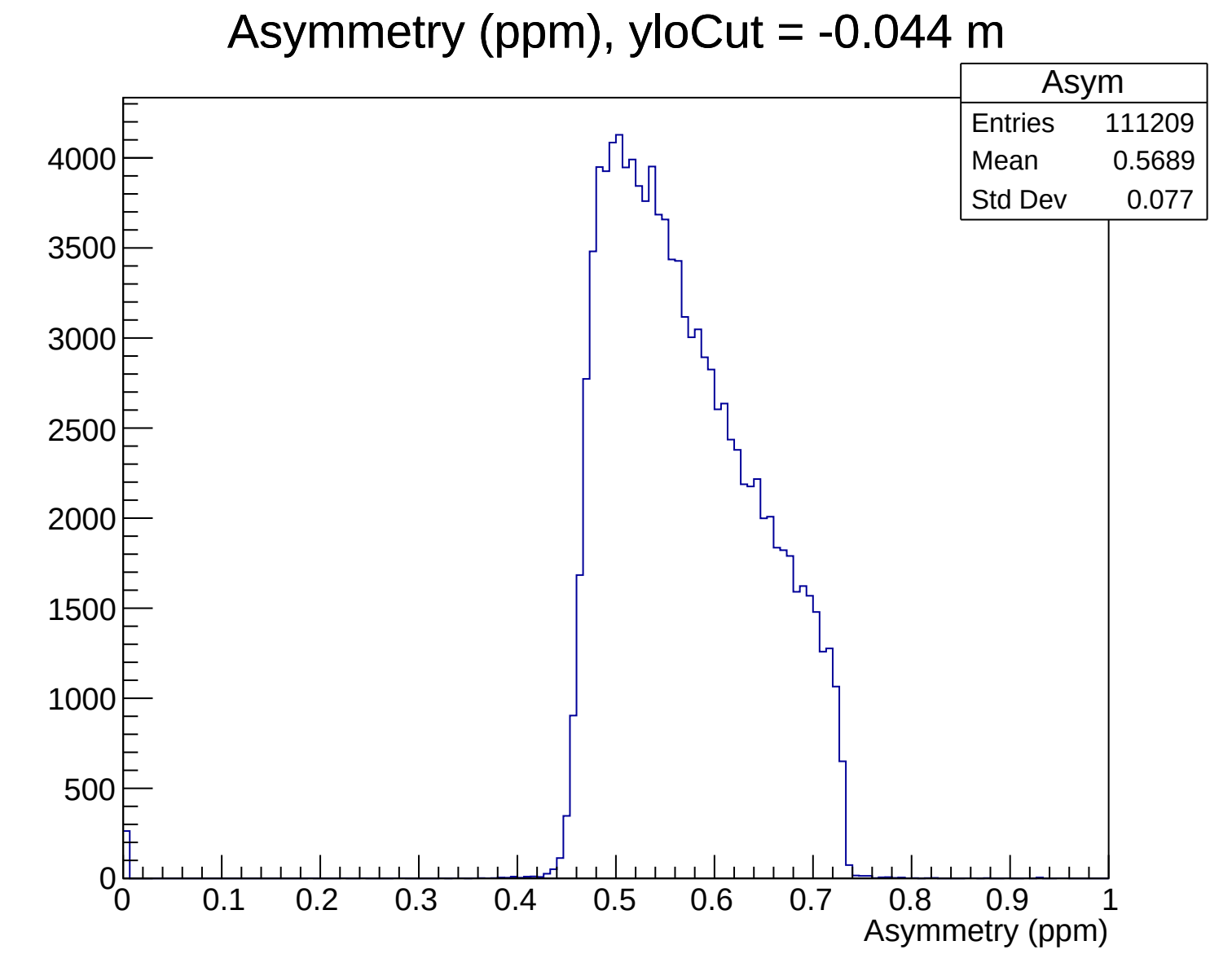

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

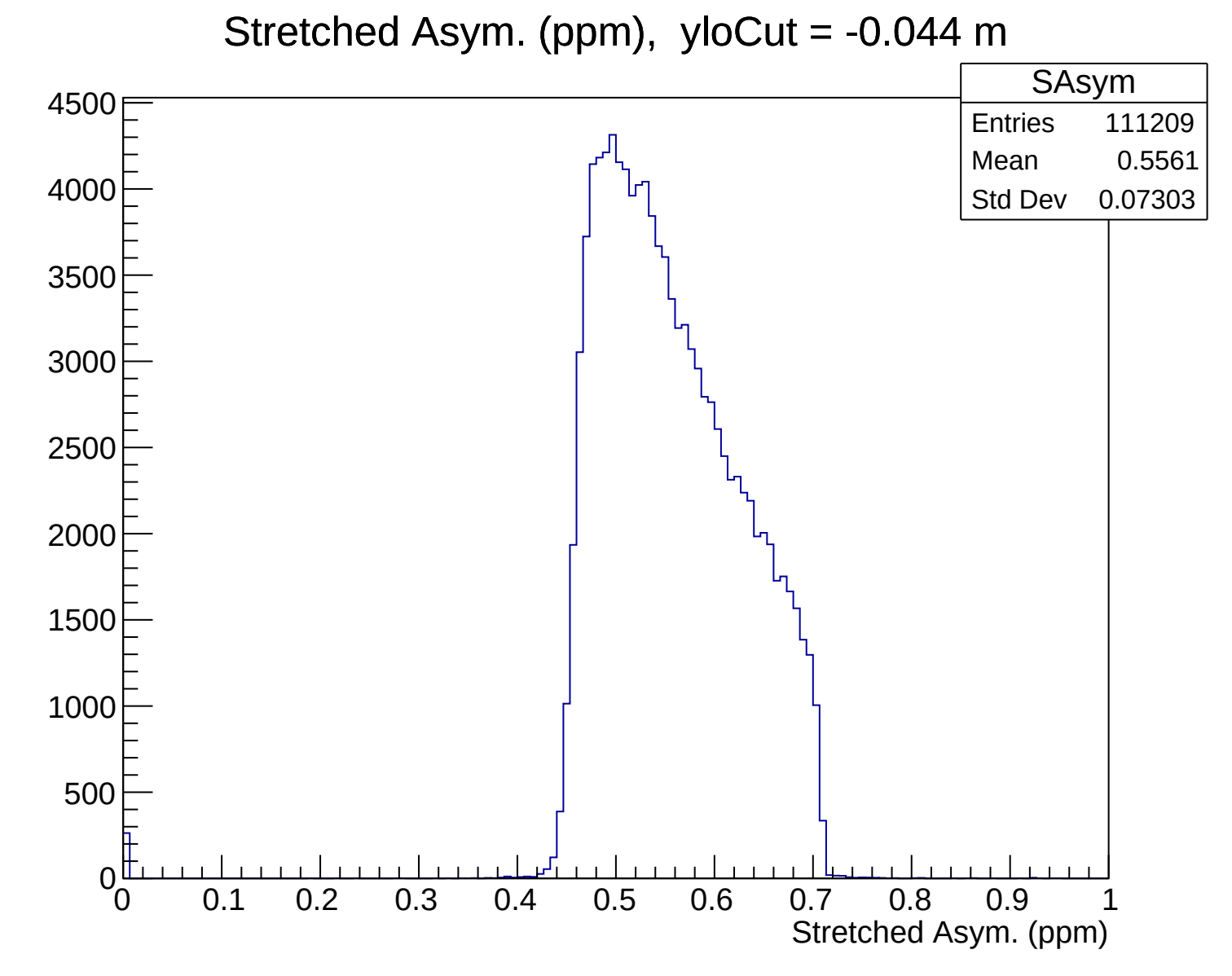

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.044
L.tr.y[0]+1.3*L.tr.ph[0] (m)

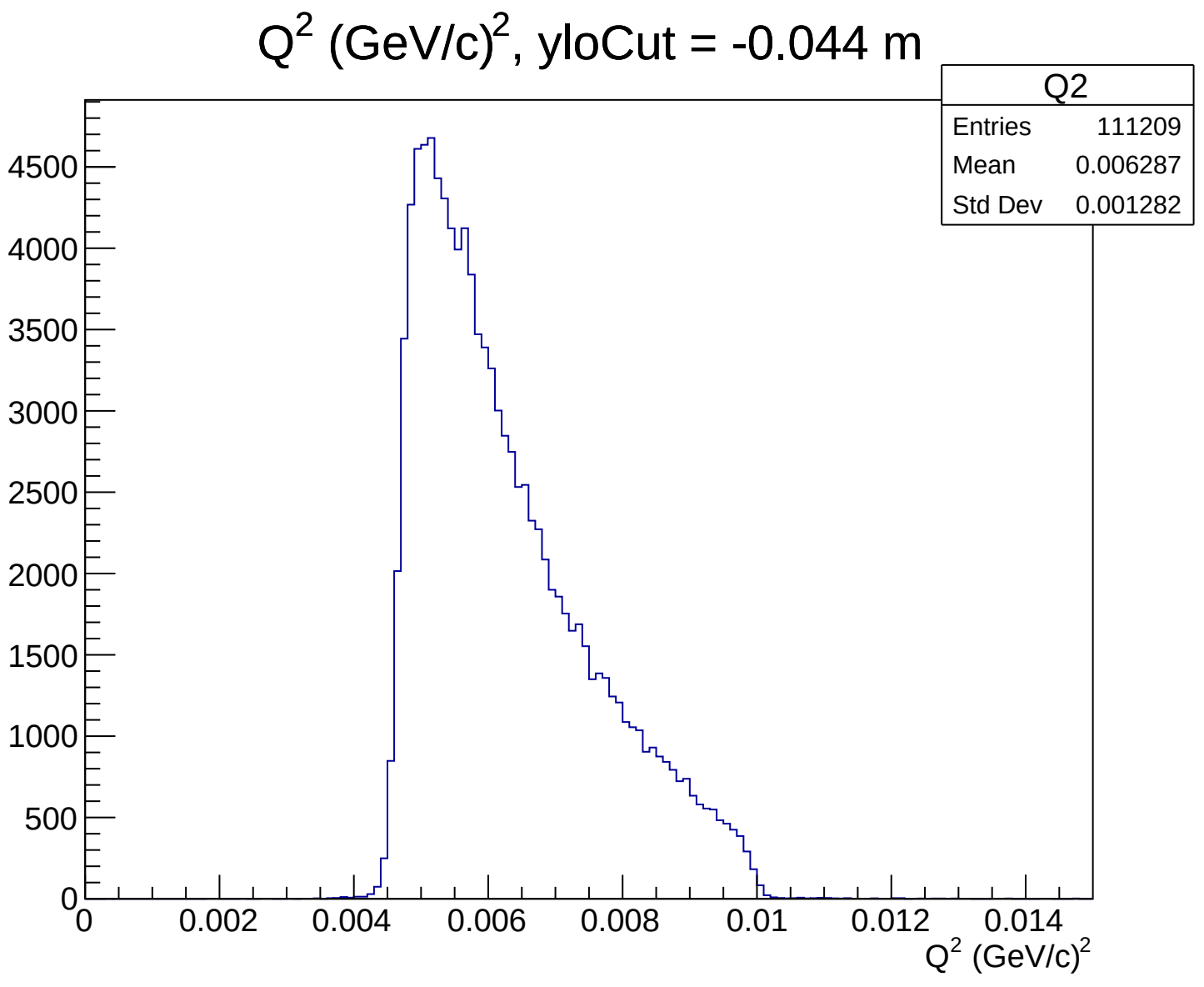

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

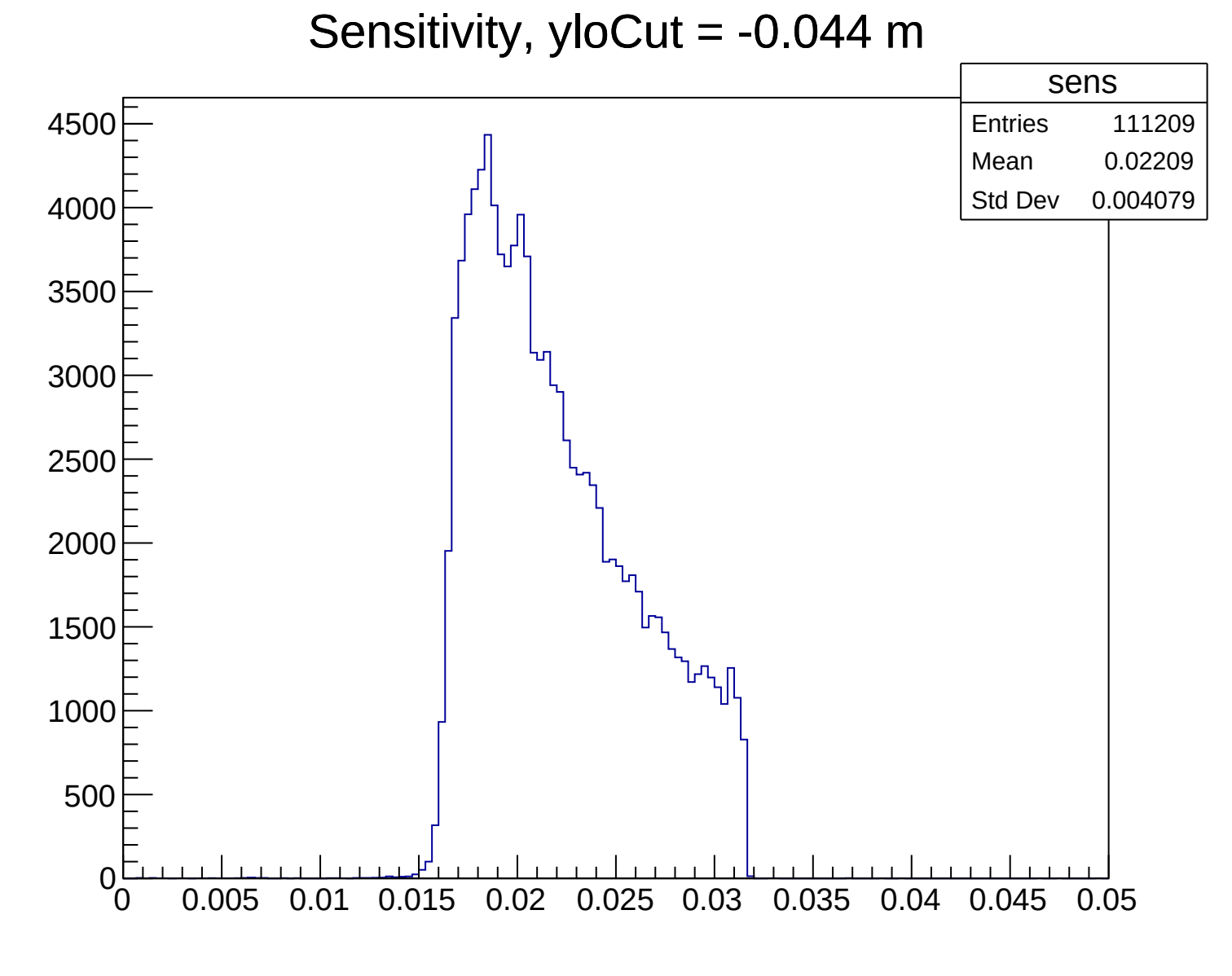

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

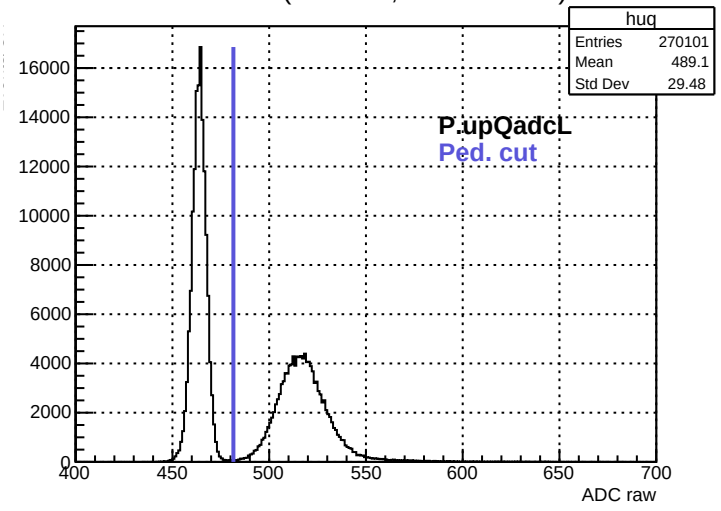

θlab (deg), yloCut = -0.044 m
Theta
Entries 111209
Mean 4.77
Std Dev 0.4746
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

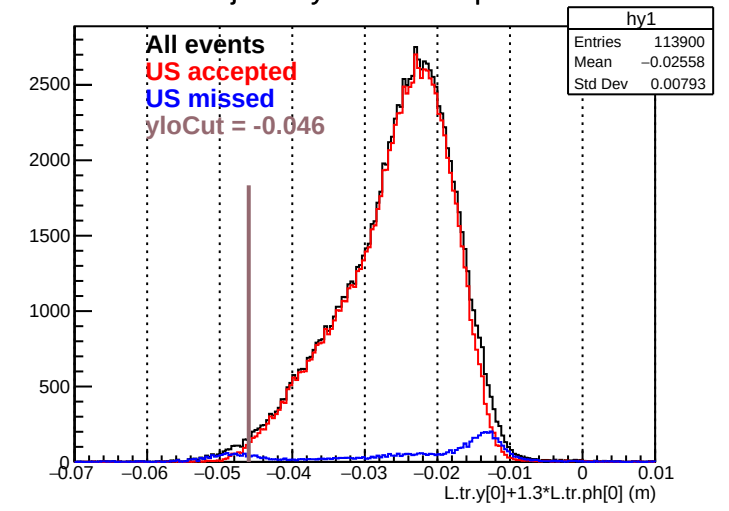

Asymmetry (ppm), yloCut = -0.044 m
Asym
Entries 111209
Mean 0.5689
Std Dev 0.077
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

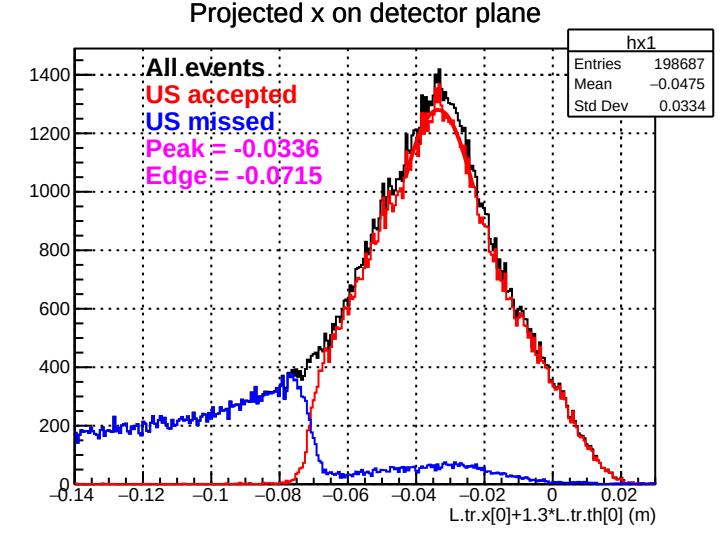

Stretched Asym. (ppm), yloCut = -0.044 m
SAsym
Entries 111209
Mean 0.5561
Std Dev 0.07303
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

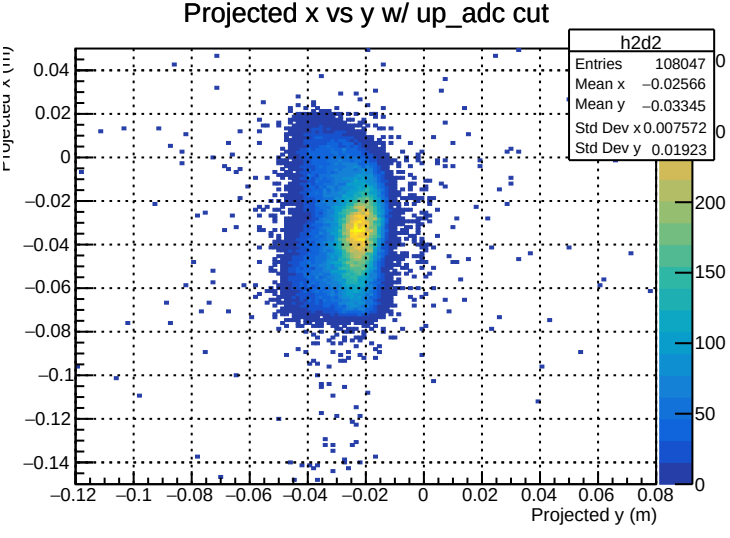

Q^2 (GeV/c)^2, yloCut = -0.044 m
Q2
Entries 111209
Mean 0.006287
Std Dev 0.001282
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

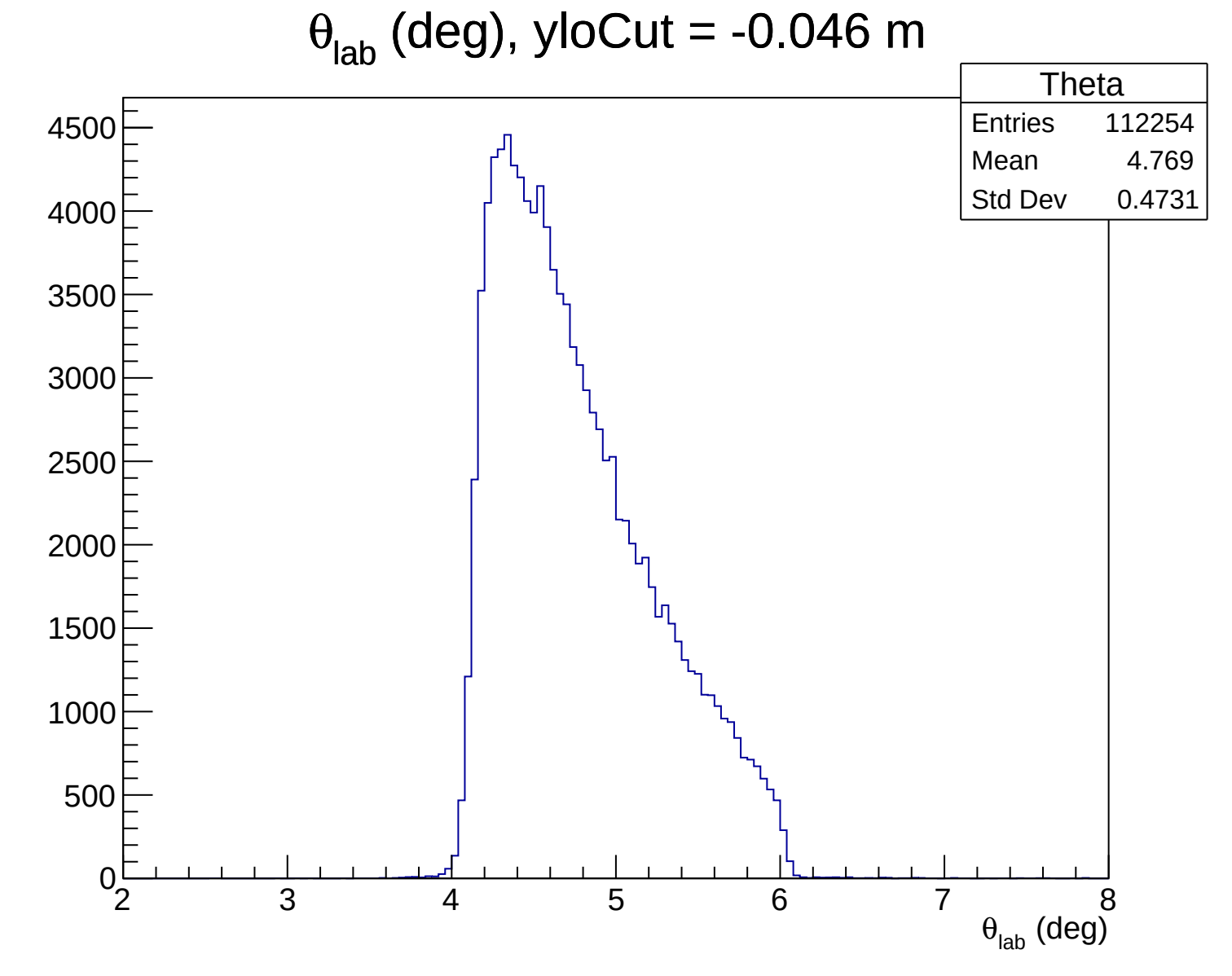

Sensitivity, yloCut = -0.044 m
sens
Entries 111209
Mean 0.02209
Std Dev 0.004079
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

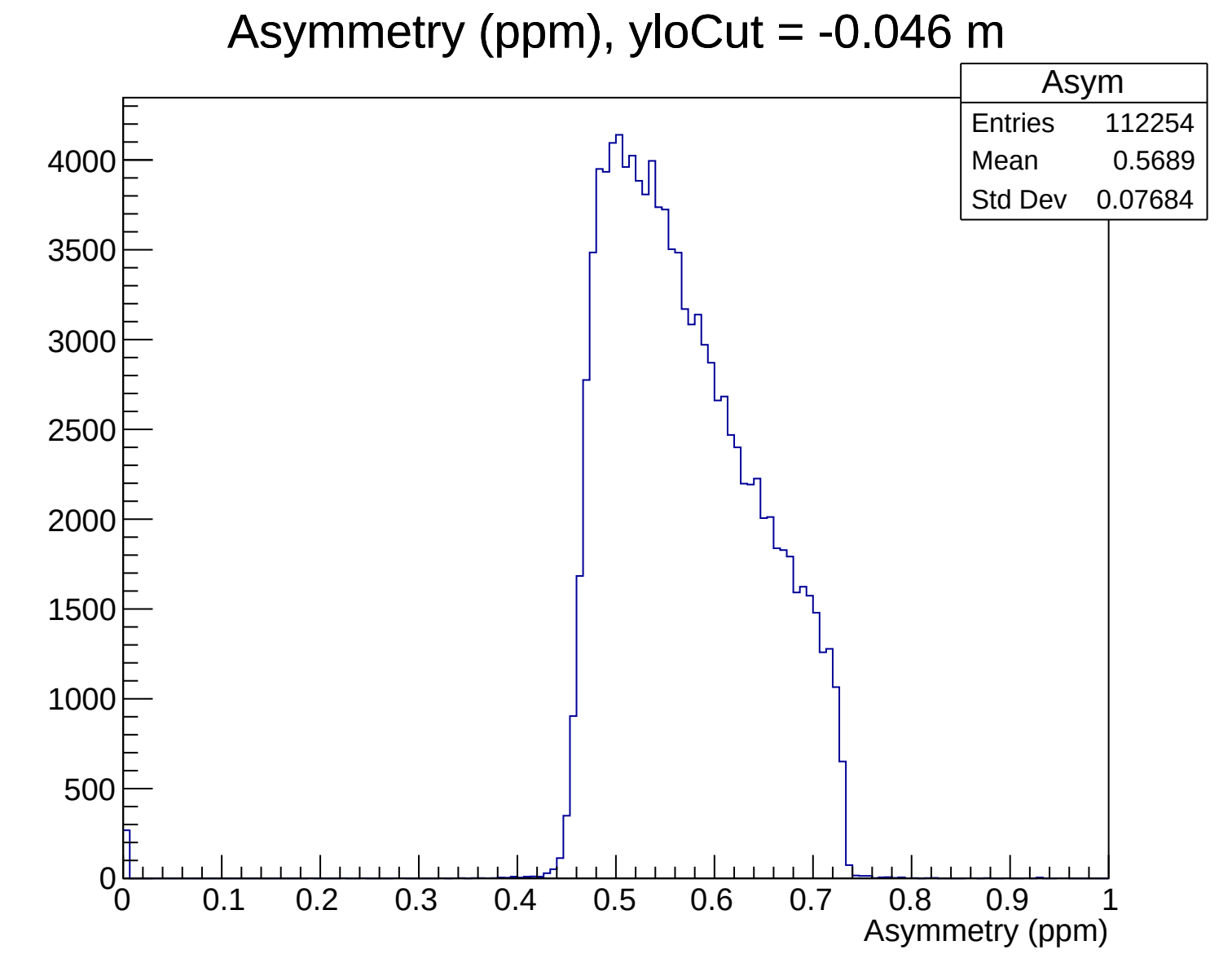

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

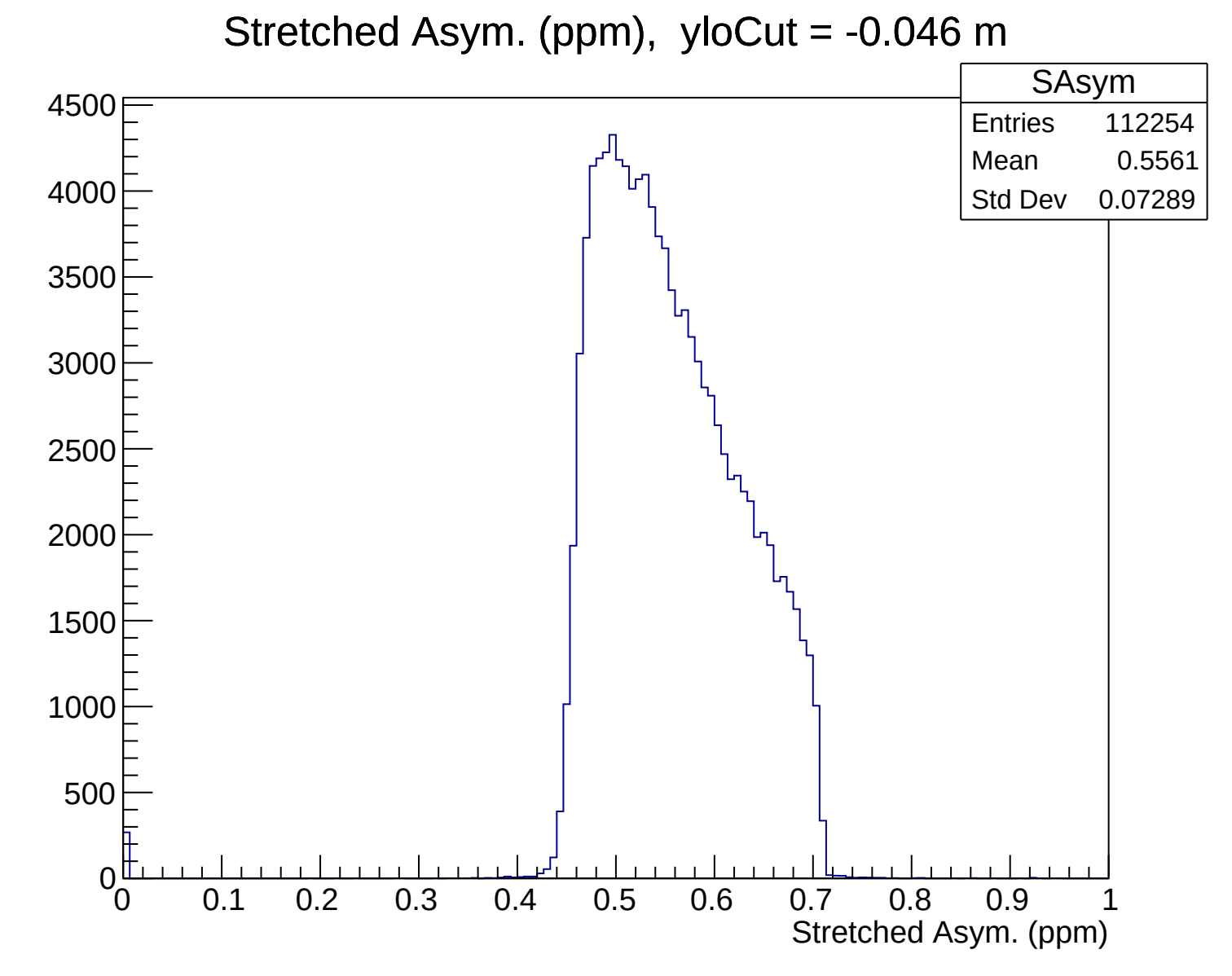

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.046
L.tr.y[0]+1.3*L.tr.ph[0] (m)

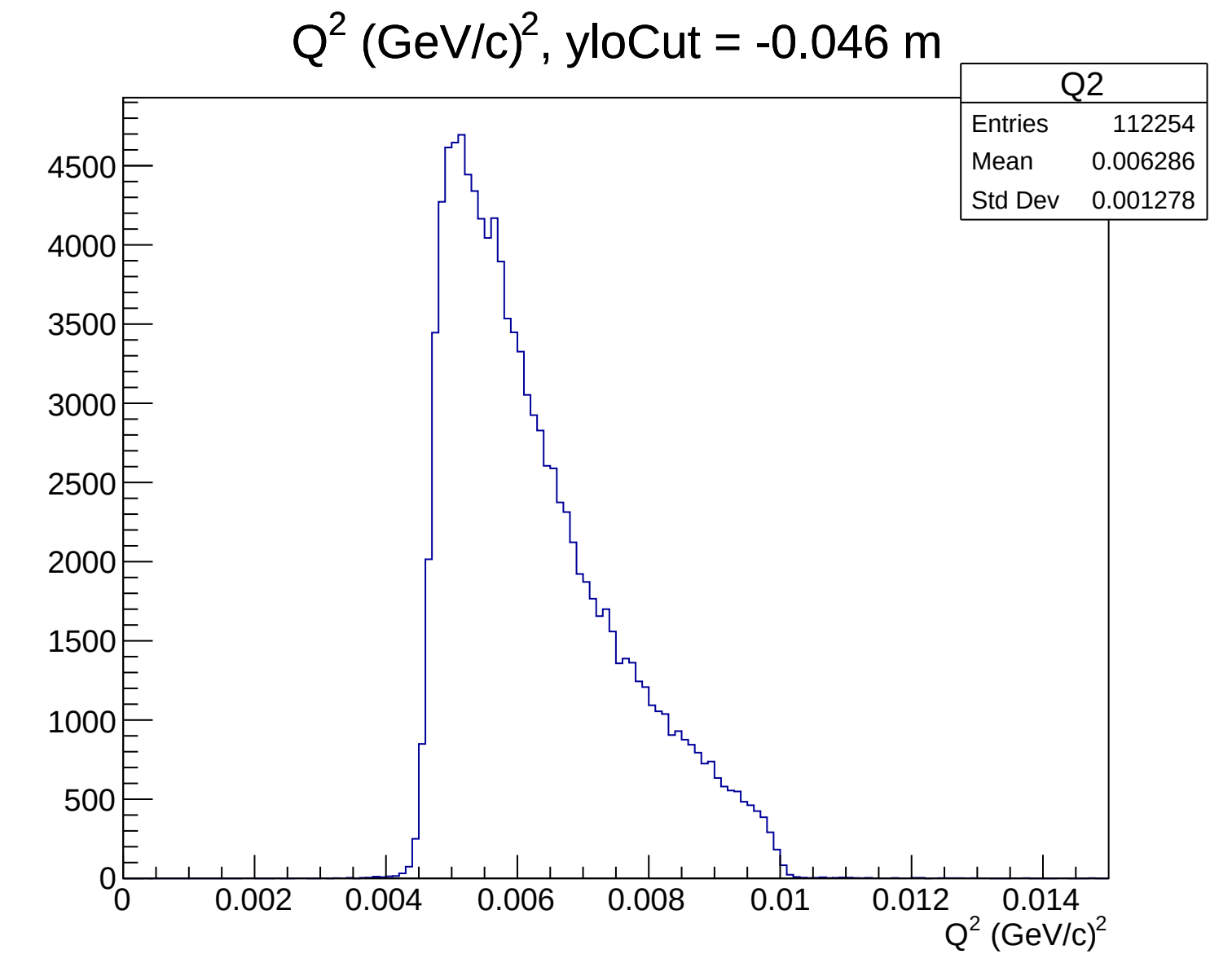

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

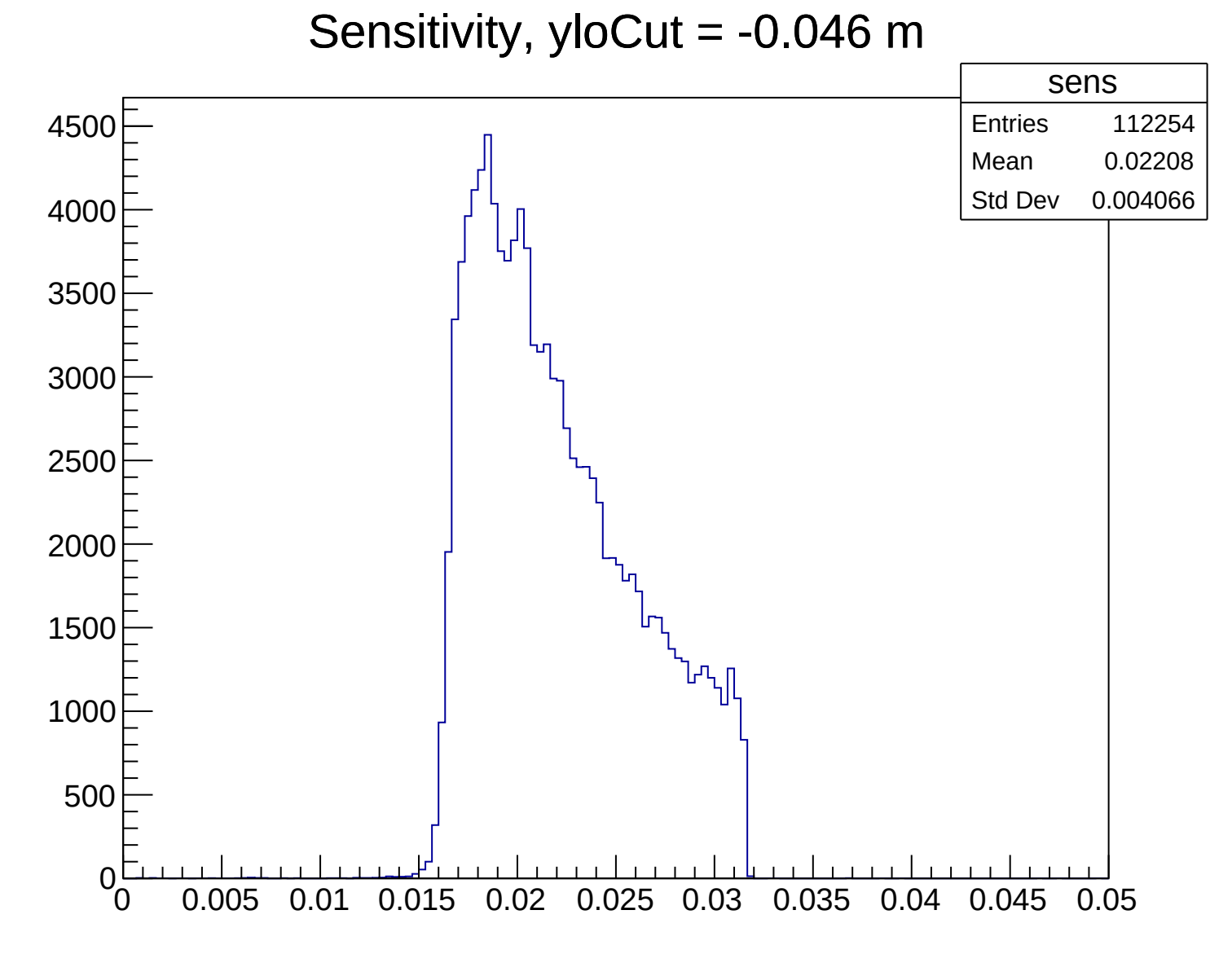

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

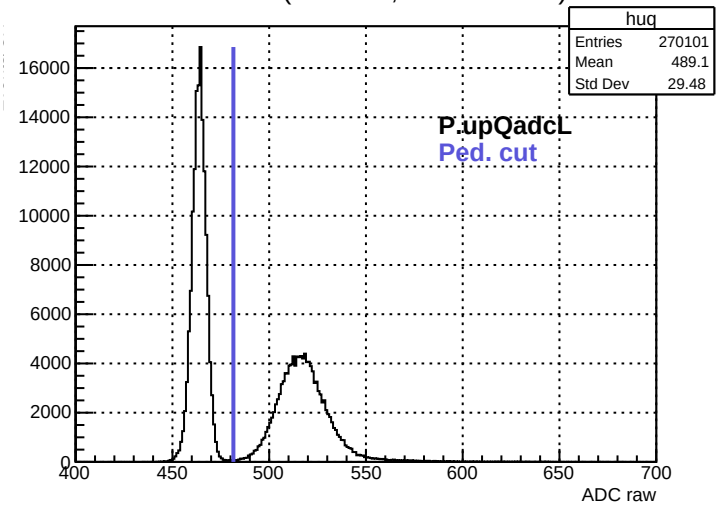

θlab (deg), yloCut = -0.046 m
Theta
Entries 112254
Mean 4.769
Std Dev 0.4731
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

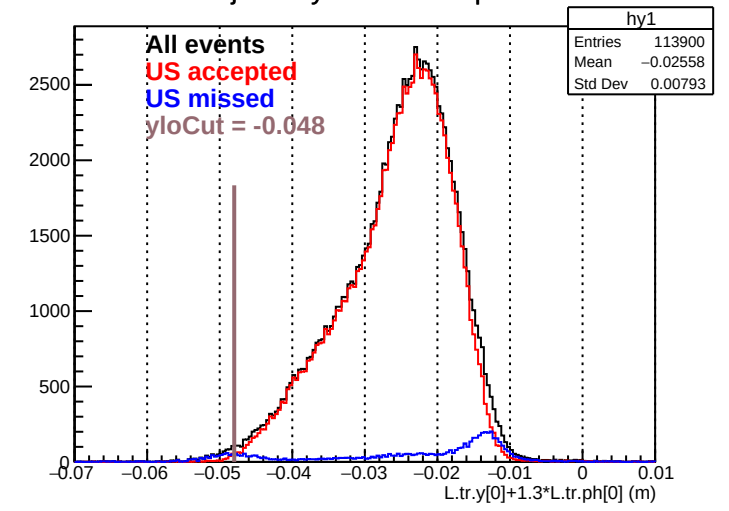

Asymmetry (ppm), yloCut = -0.046 m
Asym
Entries 112254
Mean 0.5689
Std Dev 0.07684
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

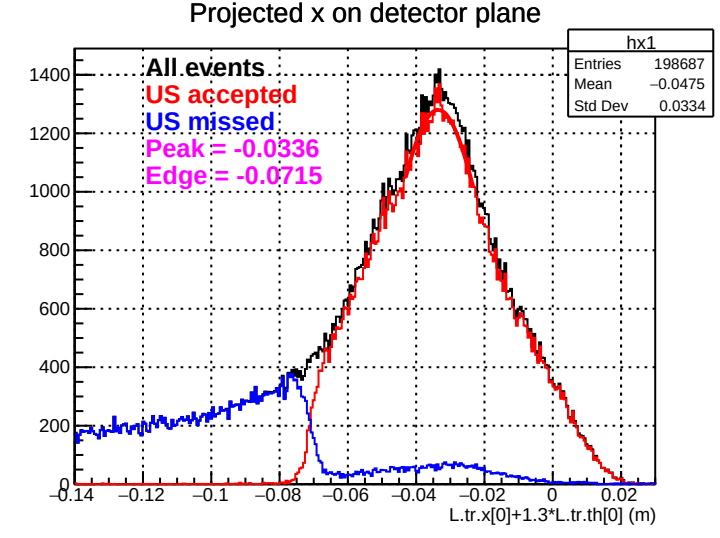

Stretched Asym. (ppm), yloCut = -0.046 m
SAsym
Entries 112254
Mean 0.5561
Std Dev 0.07289
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

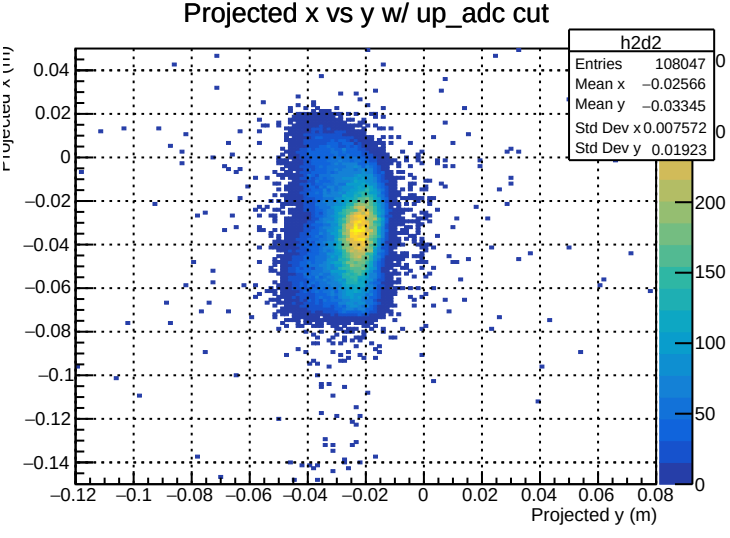

Q^2 (GeV/c)^2, yloCut = -0.046 m
Q2
Entries 112254
Mean 0.006286
Std Dev 0.001278
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

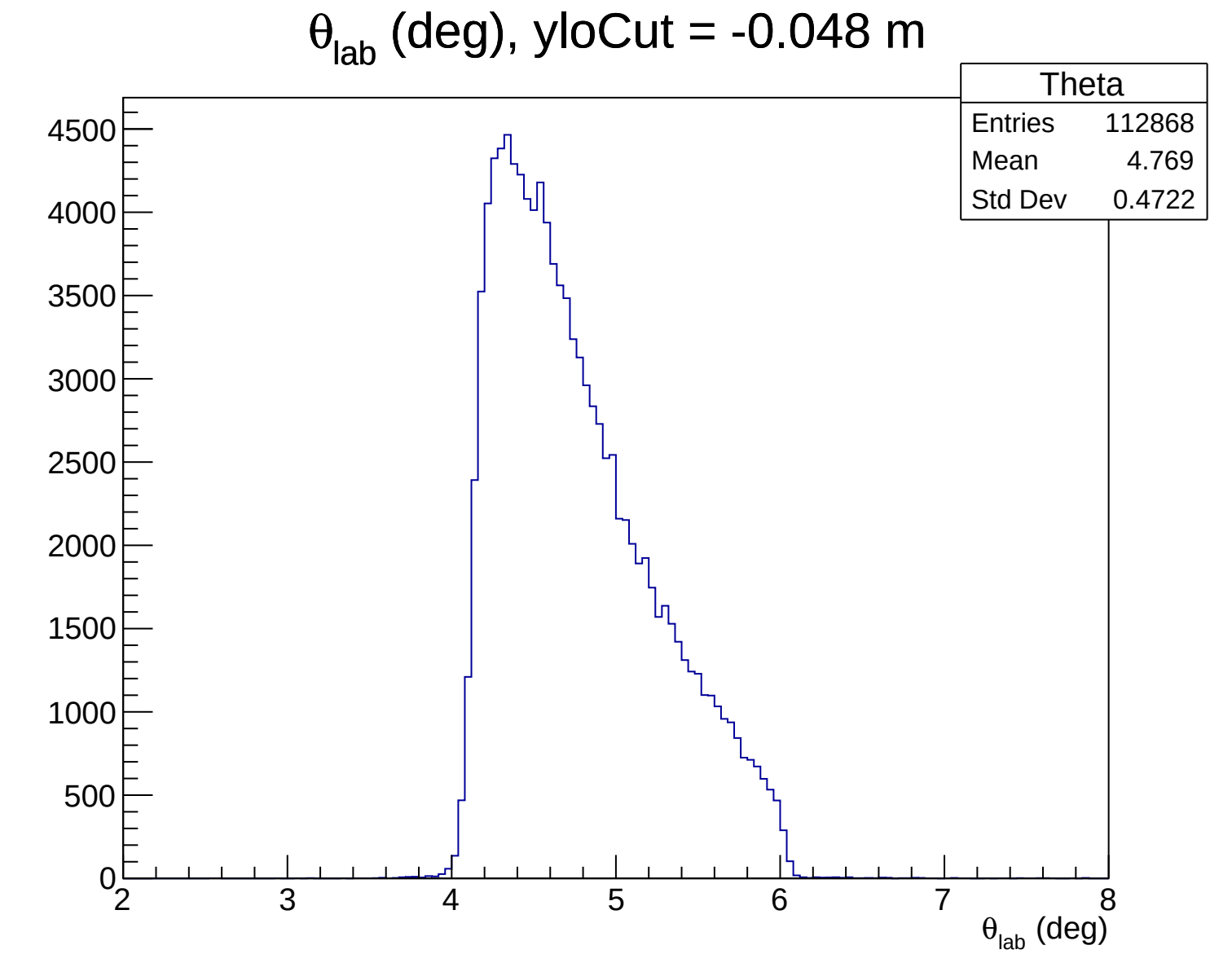

Sensitivity, yloCut = -0.046 m
sens
Entries 112254
Mean 0.02208
Std Dev 0.004066
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

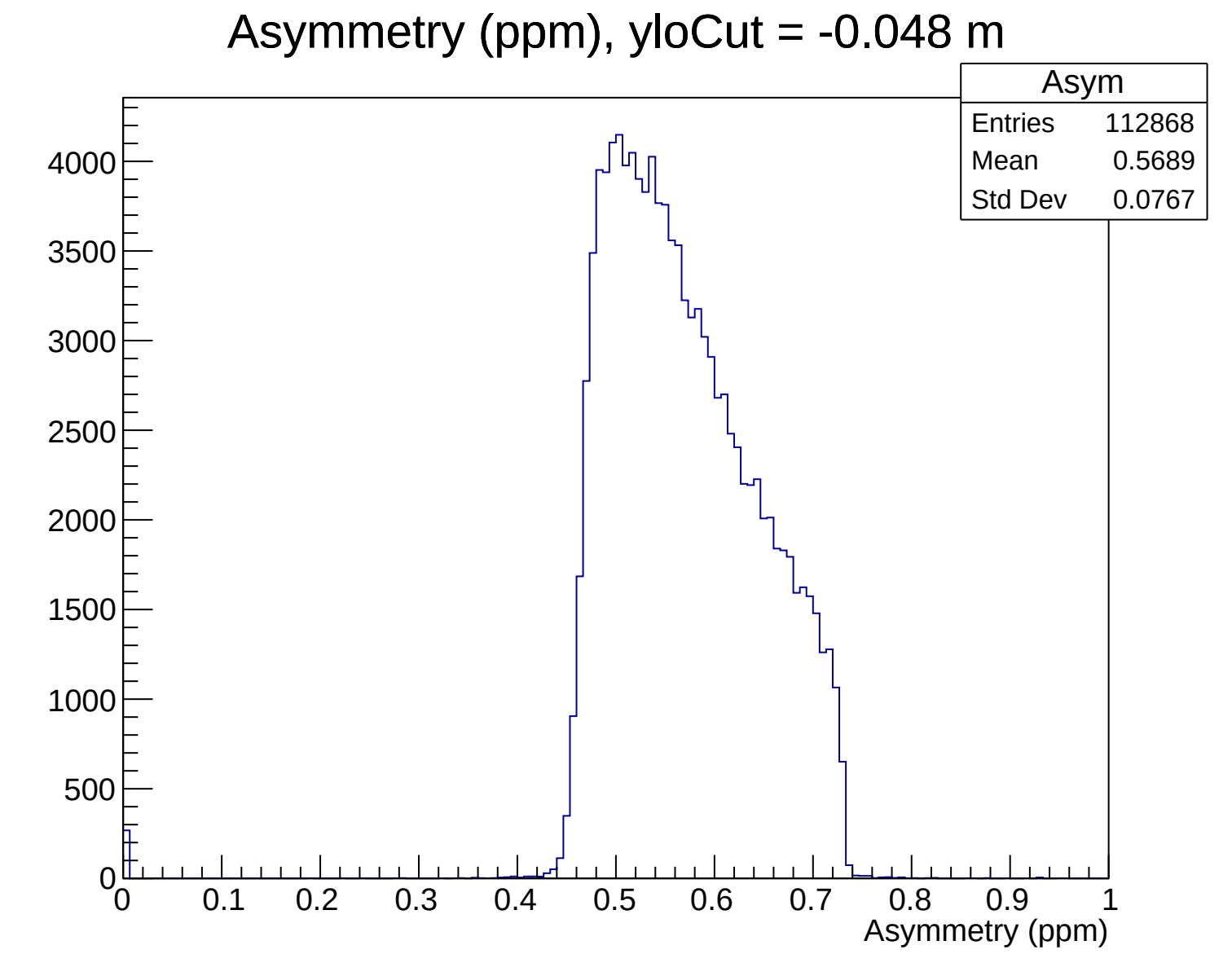

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

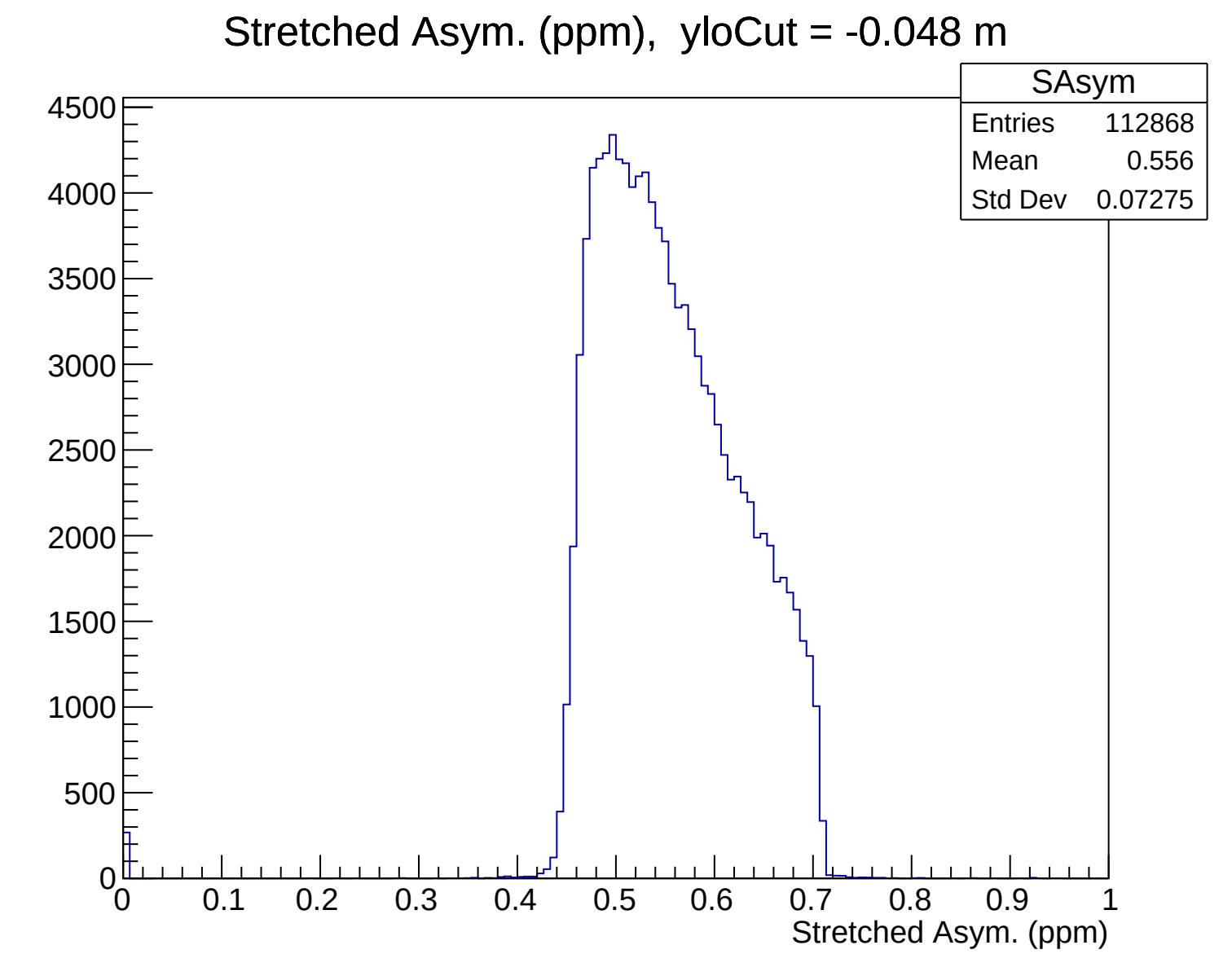

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.048
L.tr.y[0]+1.3*L.tr.ph[0] (m)

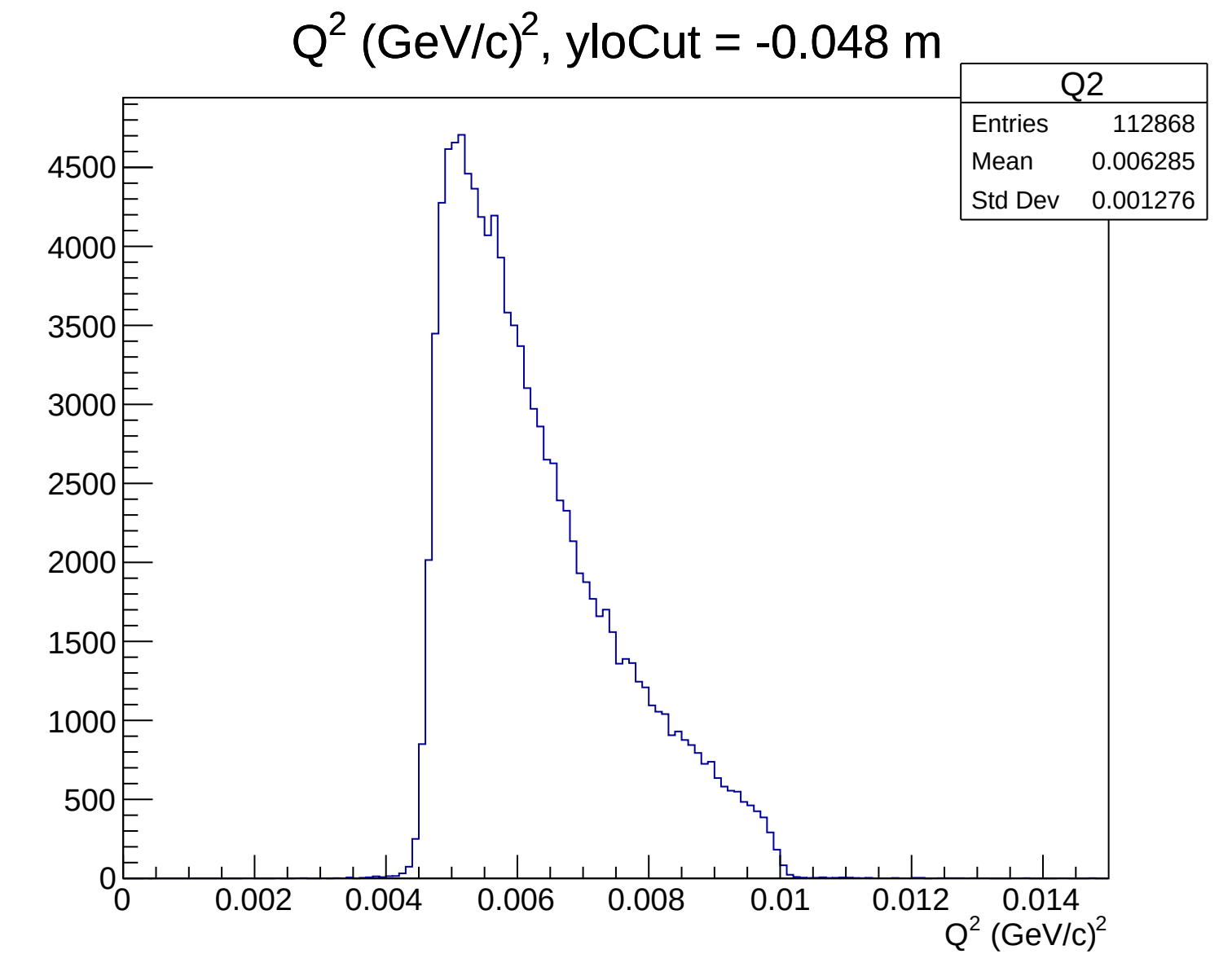

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

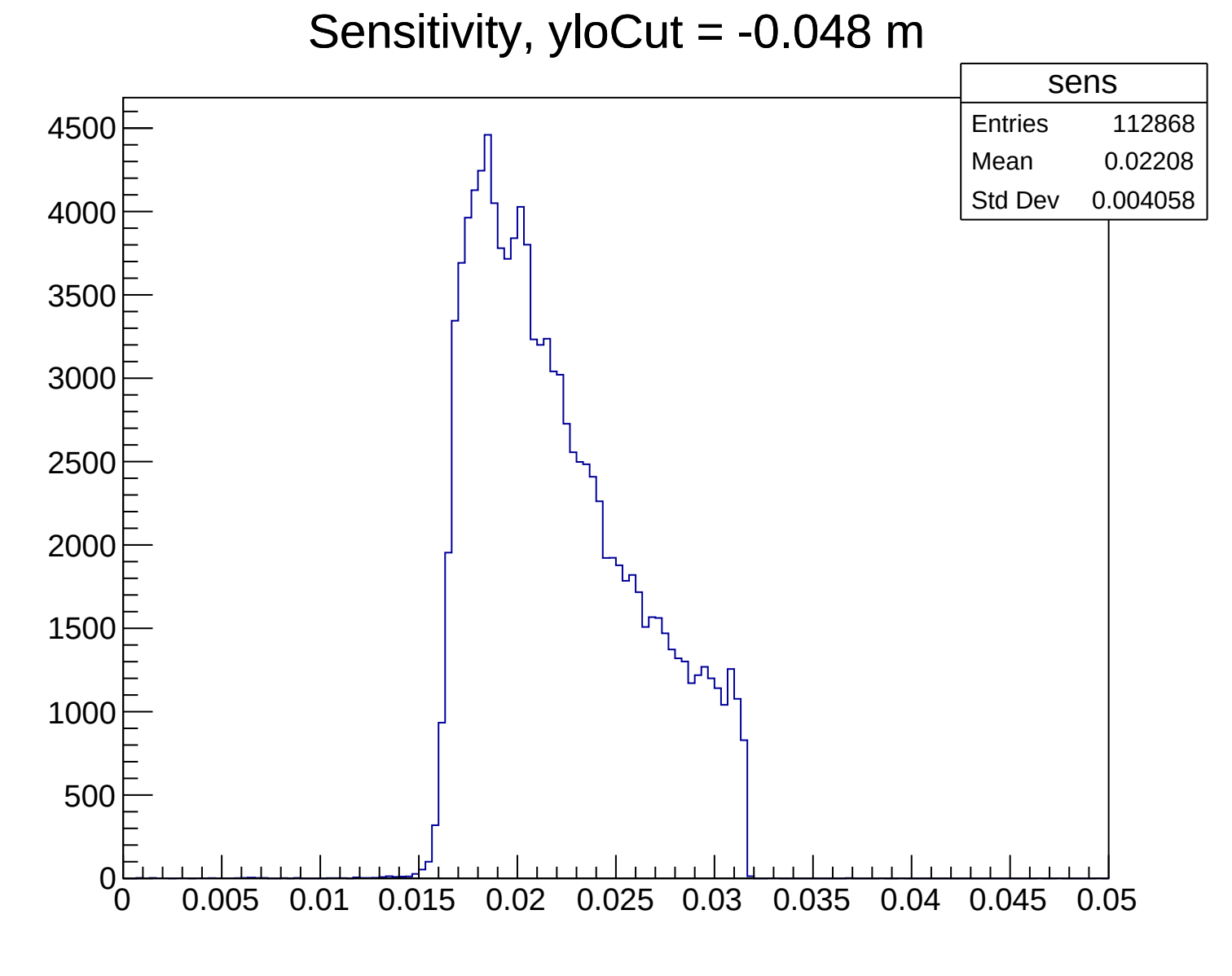

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

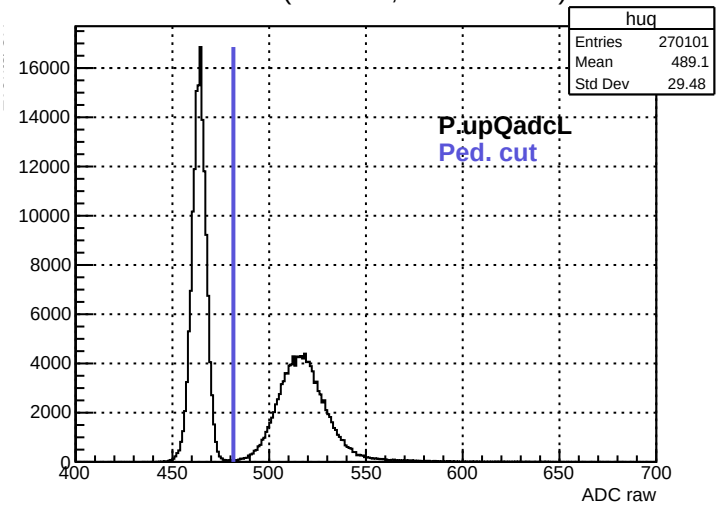

θlab (deg), yloCut = -0.048 m
Theta
Entries 112868
Mean 4.769
Std Dev 0.4722
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

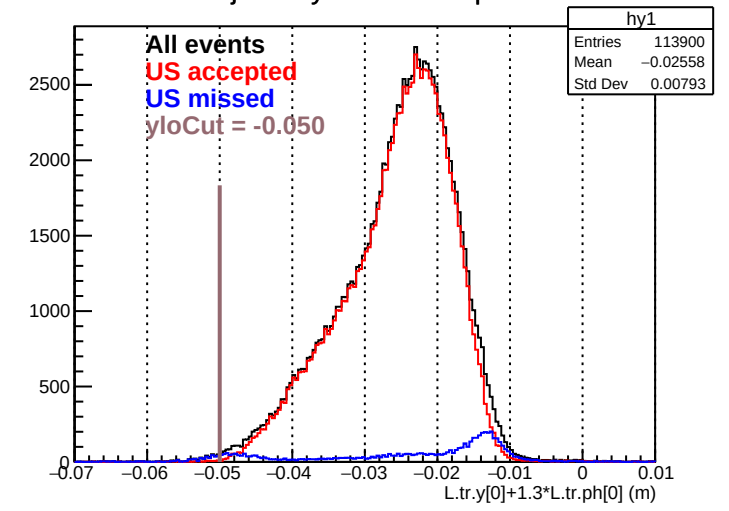

Asymmetry (ppm), yloCut = -0.048 m
Asym
Entries 112868
Mean 0.5689
Std Dev 0.0767
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

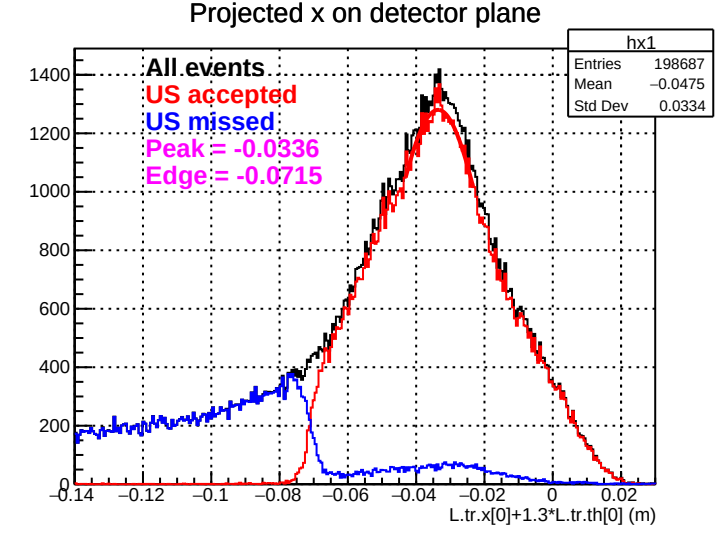

Stretched Asym. (ppm), yloCut = -0.048 m
SAsym
Entries 112868
Mean 0.556
Std Dev 0.07275
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

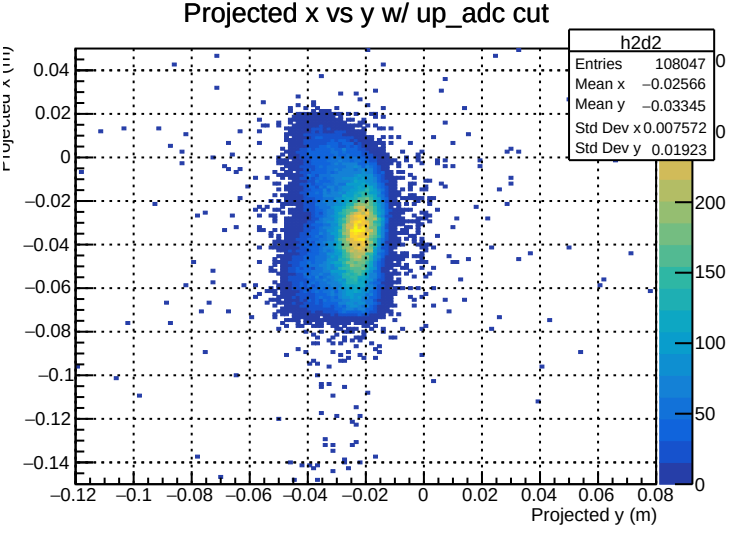

Q^2 (GeV/c)^2, yloCut = -0.048 m
Q2
Entries 112868
Mean 0.006285
Std Dev 0.001276
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

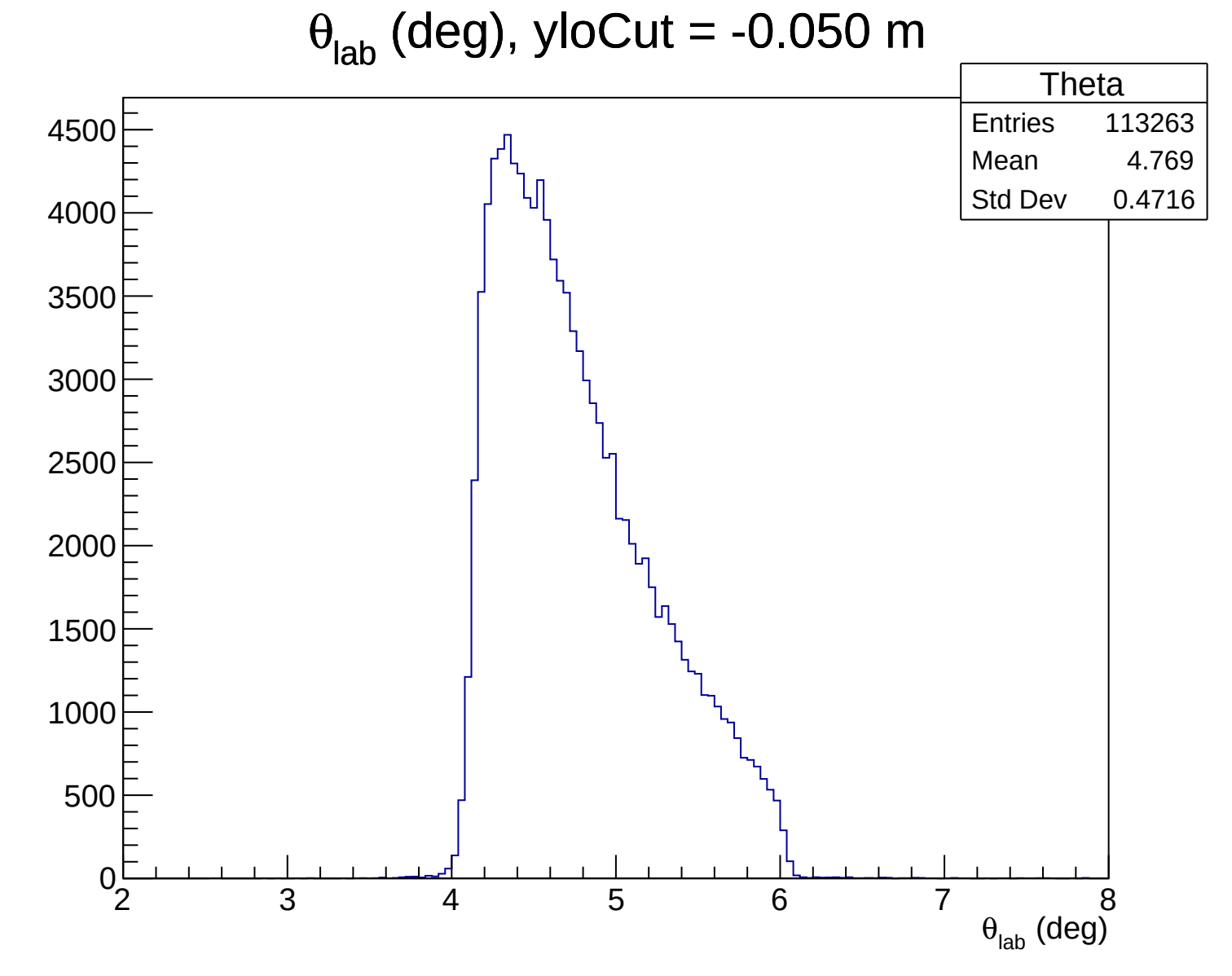

Sensitivity, yloCut = -0.048 m
sens
Entries 112868
Mean 0.02208
Std Dev 0.004058
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

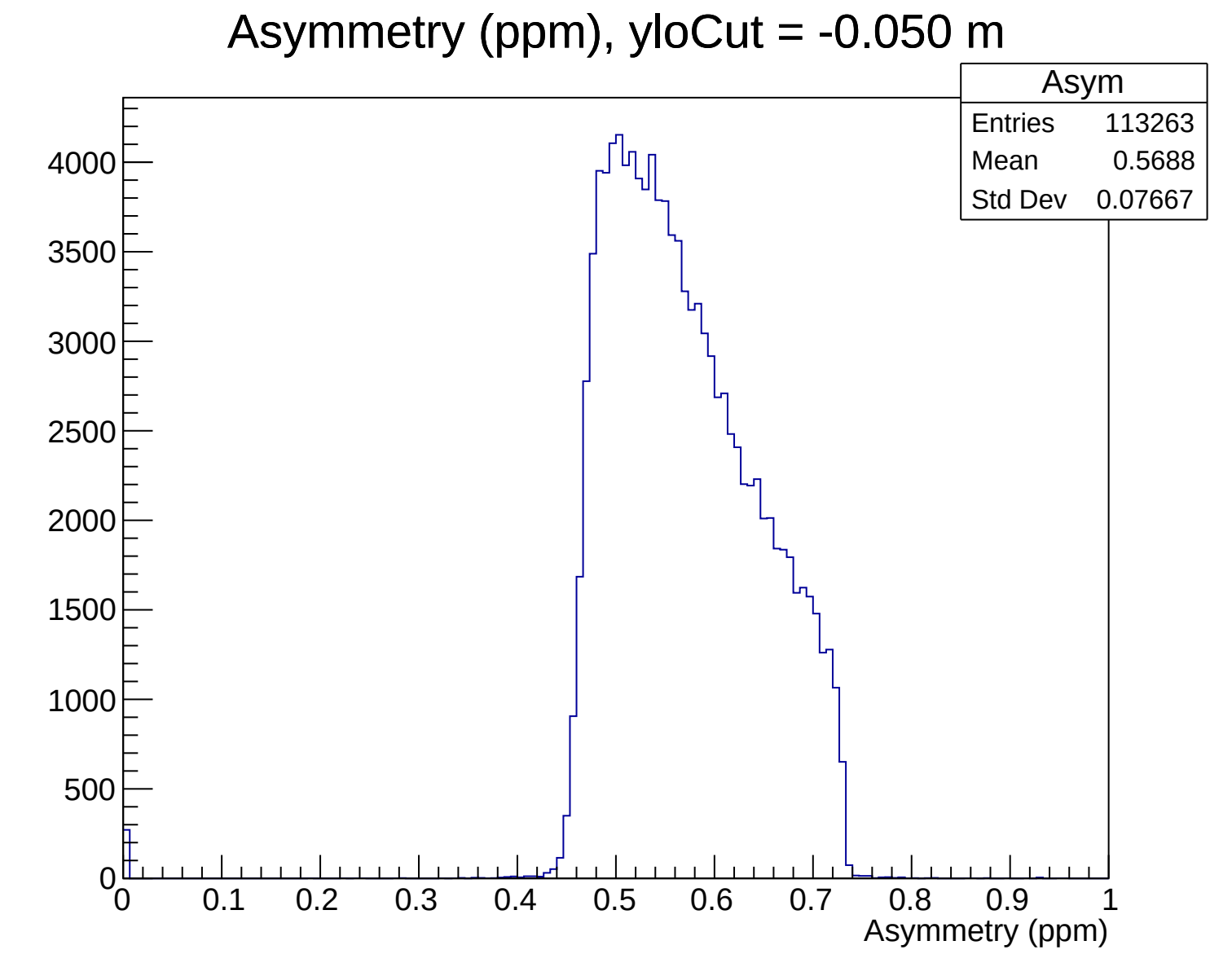

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

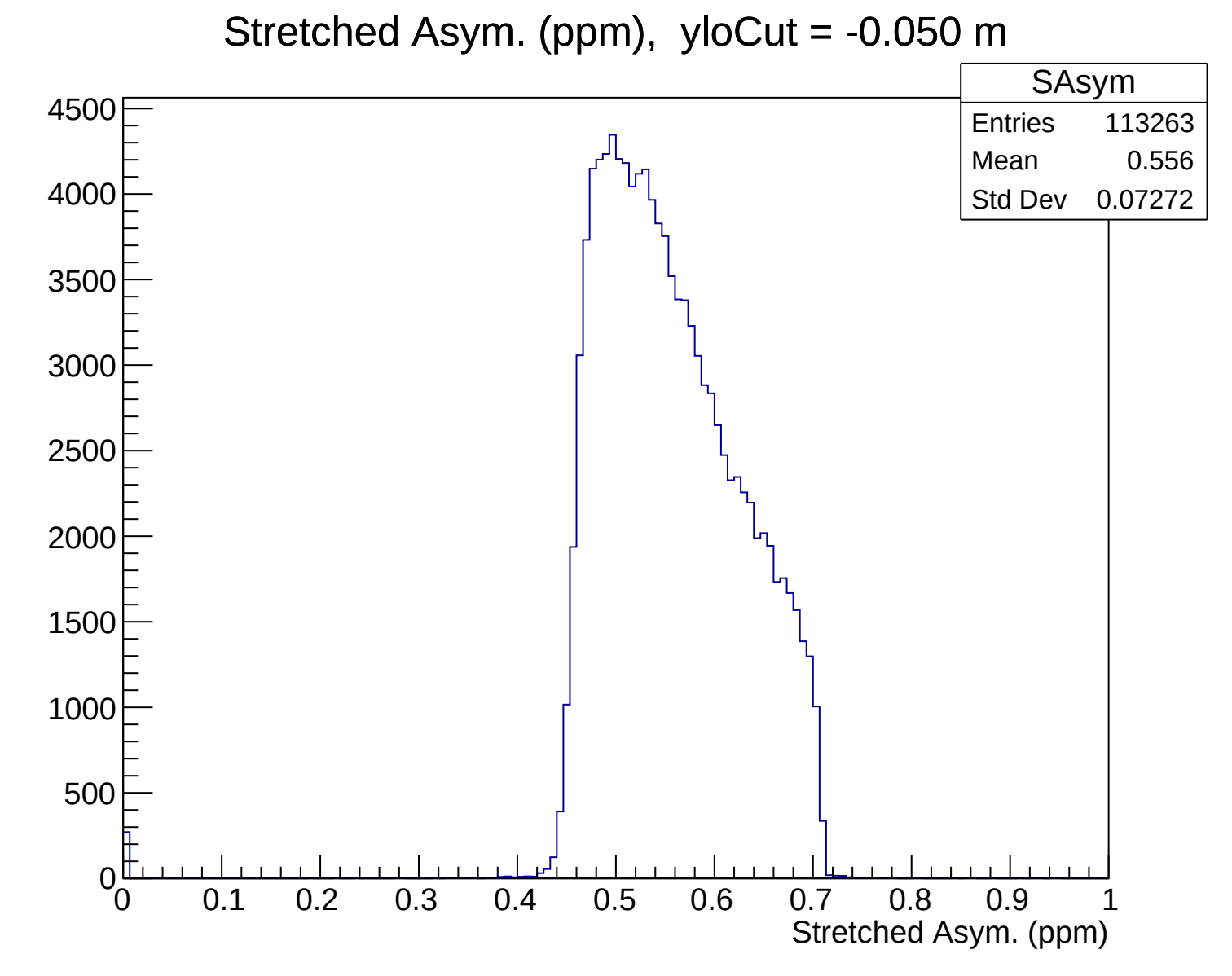

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.050
L.tr.y[0]+1.3*L.tr.ph[0] (m)

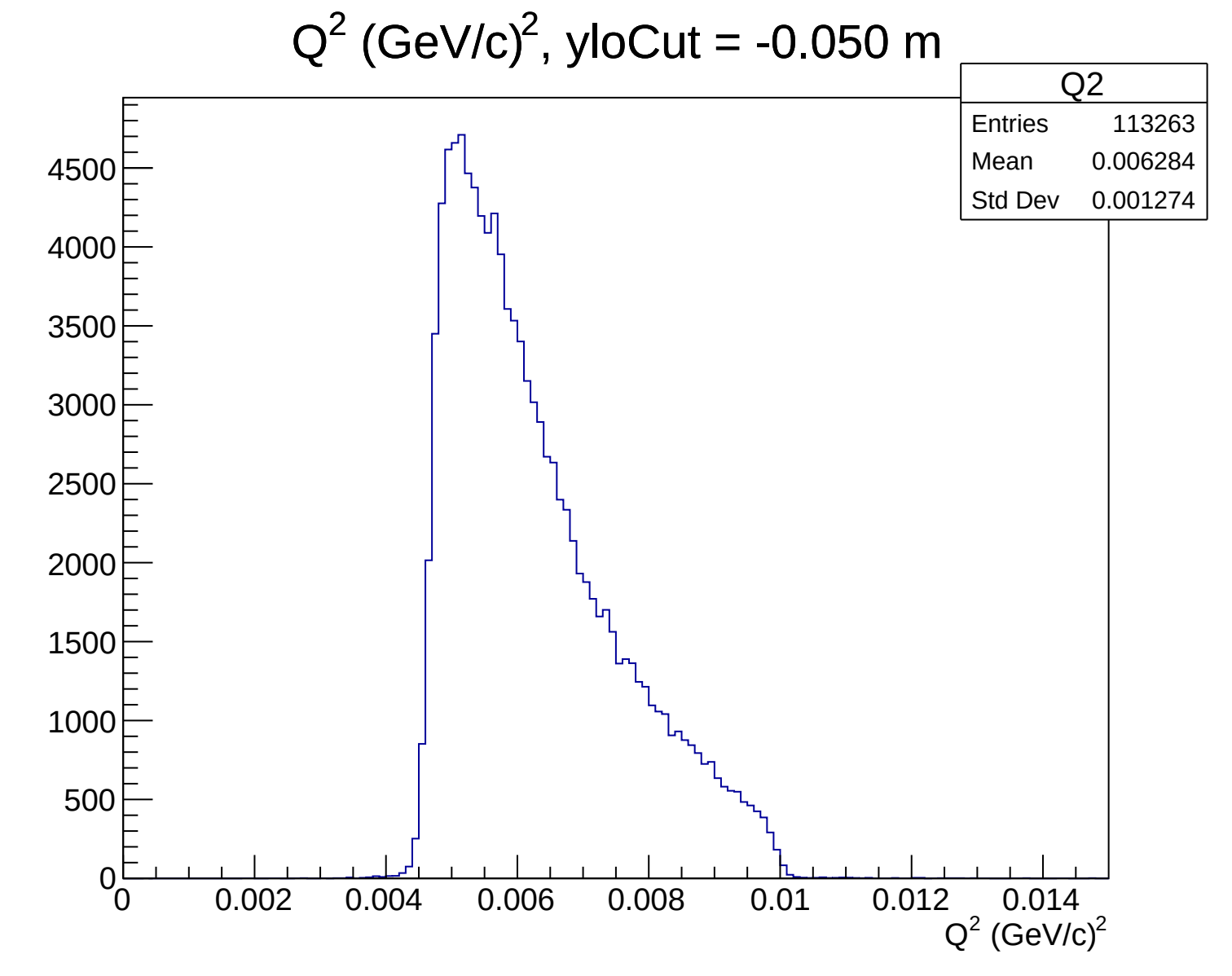

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

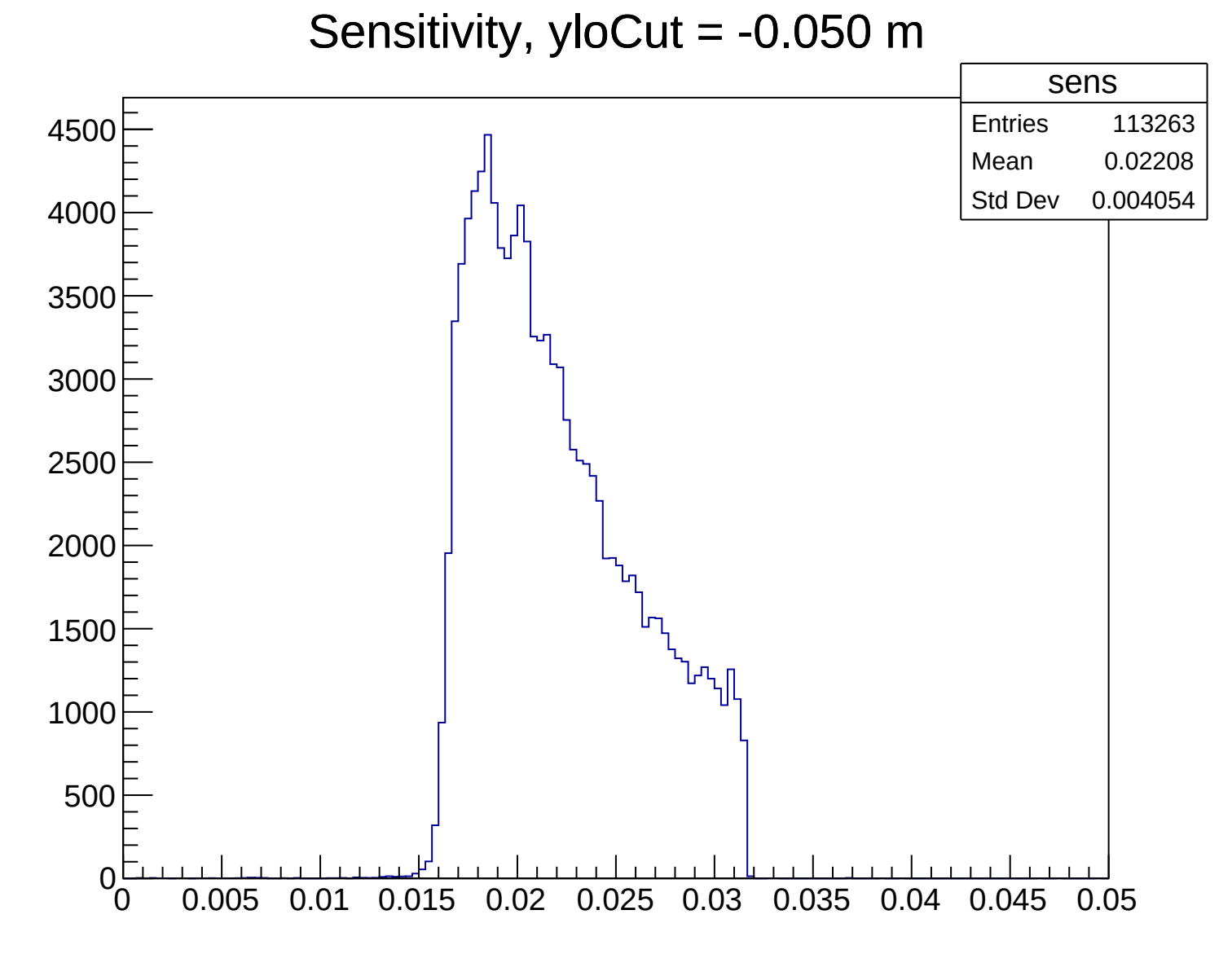

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

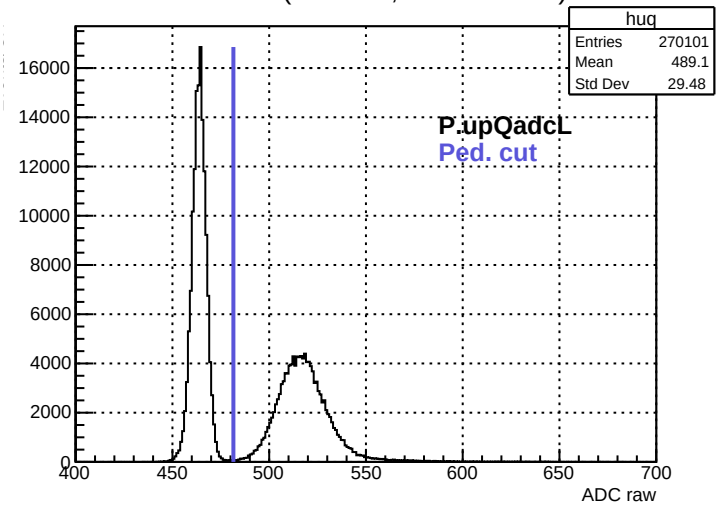

θlab (deg), yloCut = -0.050 m
Theta
Entries 113263
Mean 4.769
Std Dev 0.4716
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

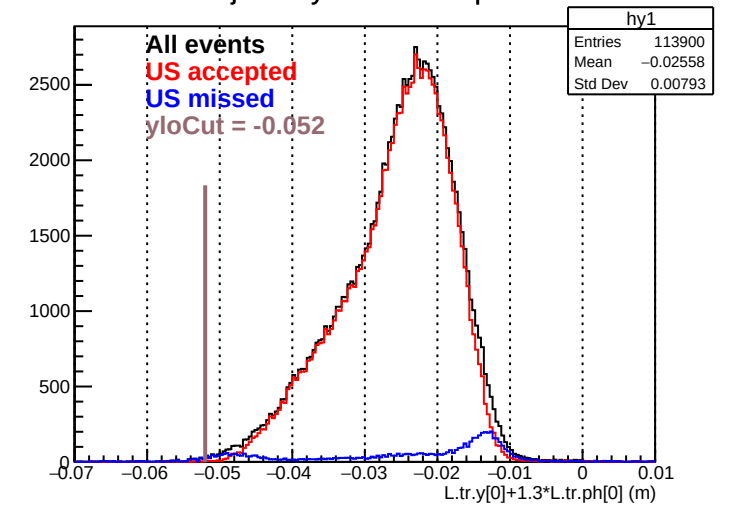

Asymmetry (ppm), yloCut = -0.050 m
Asym
Entries 113263
Mean 0.5688
Std Dev 0.07667
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

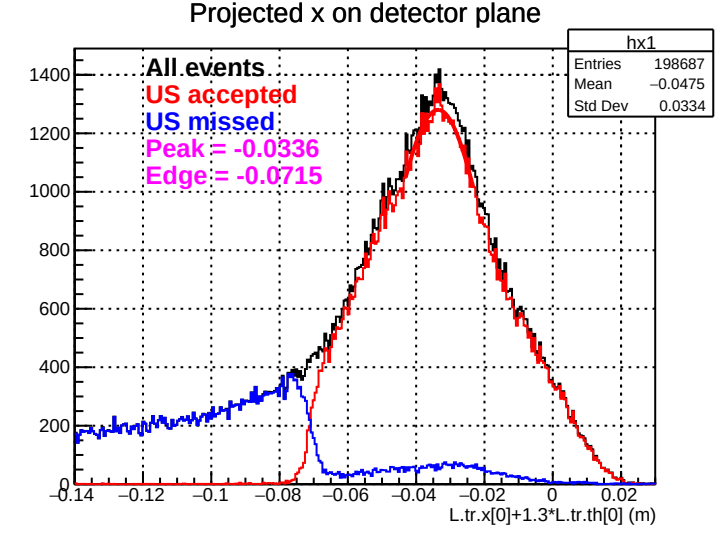

Stretched Asym. (ppm), yloCut = -0.050 m
SAsym
Entries 113263
Mean 0.556
Std Dev 0.07272
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

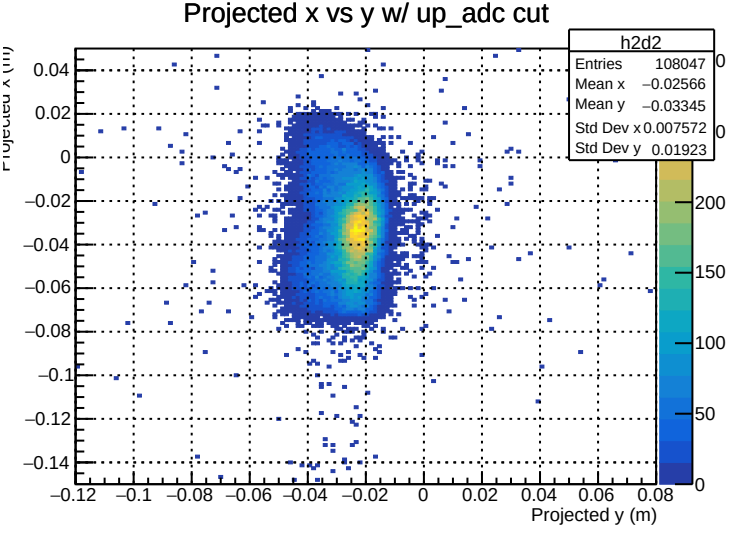

Q^2 (GeV/c)^2, yloCut = -0.050 m
Q2
Entries 113263
Mean 0.006284
Std Dev 0.001274
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

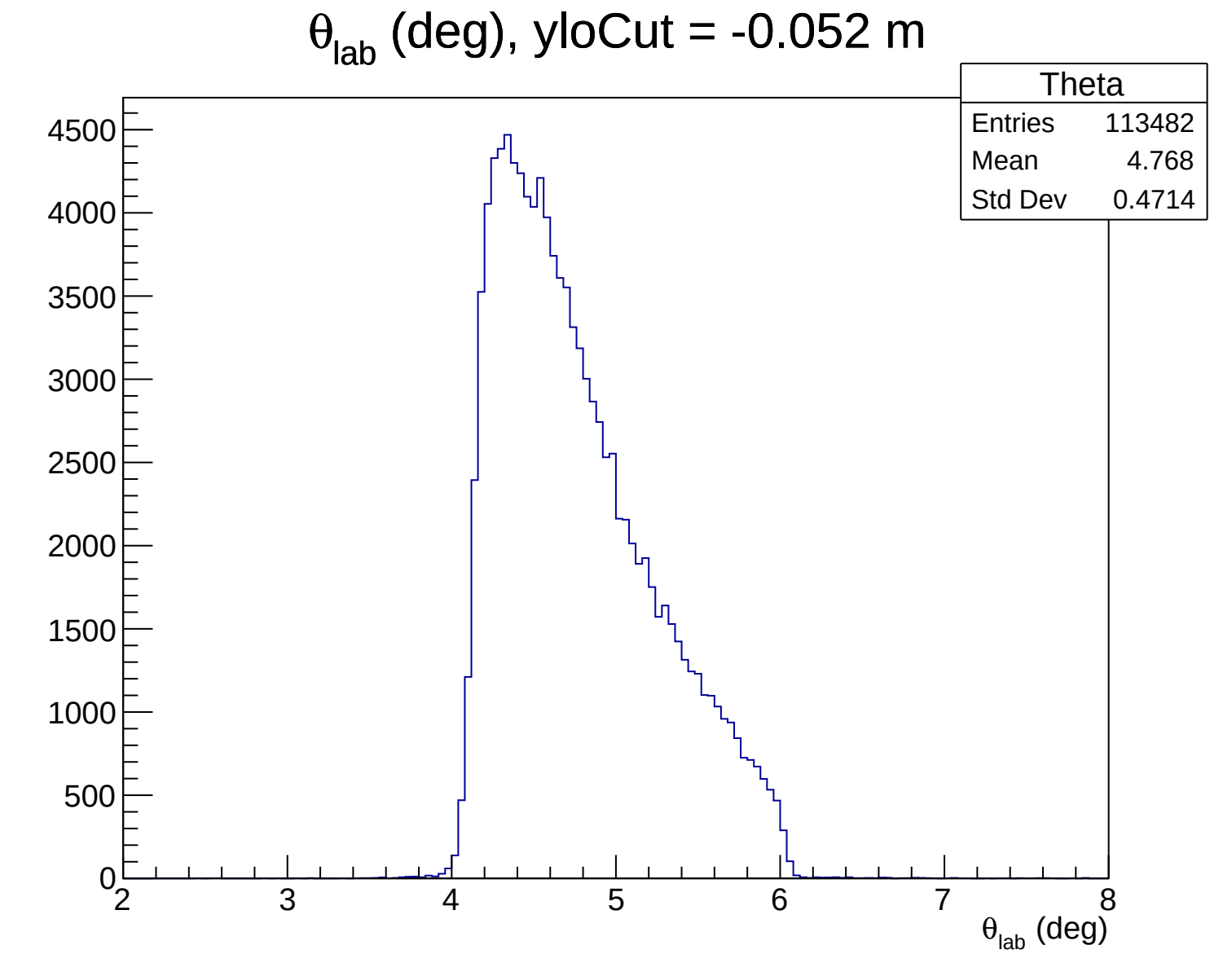

Sensitivity, yloCut = -0.050 m
sens
Entries 113263
Mean 0.02208
Std Dev 0.004054
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

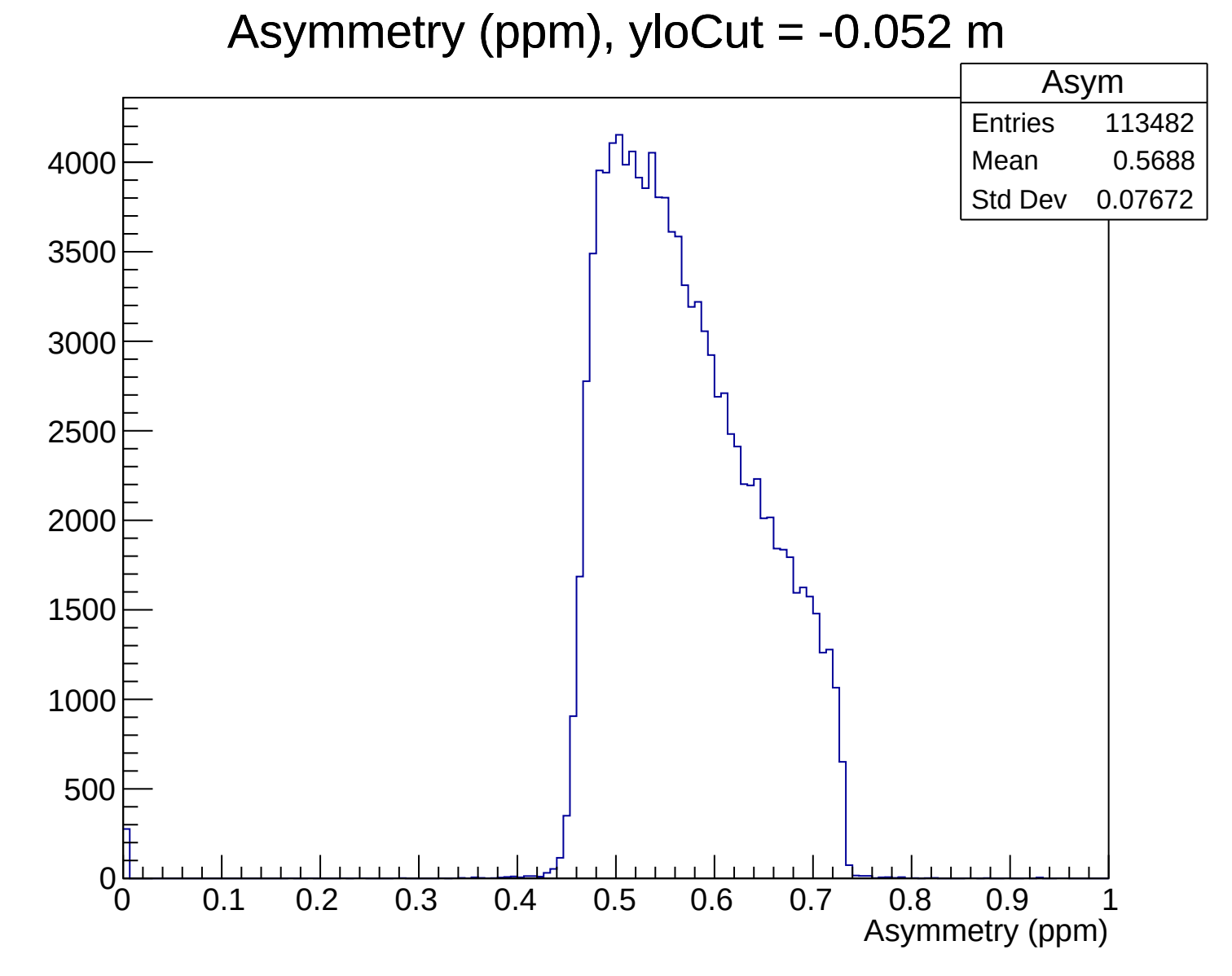

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

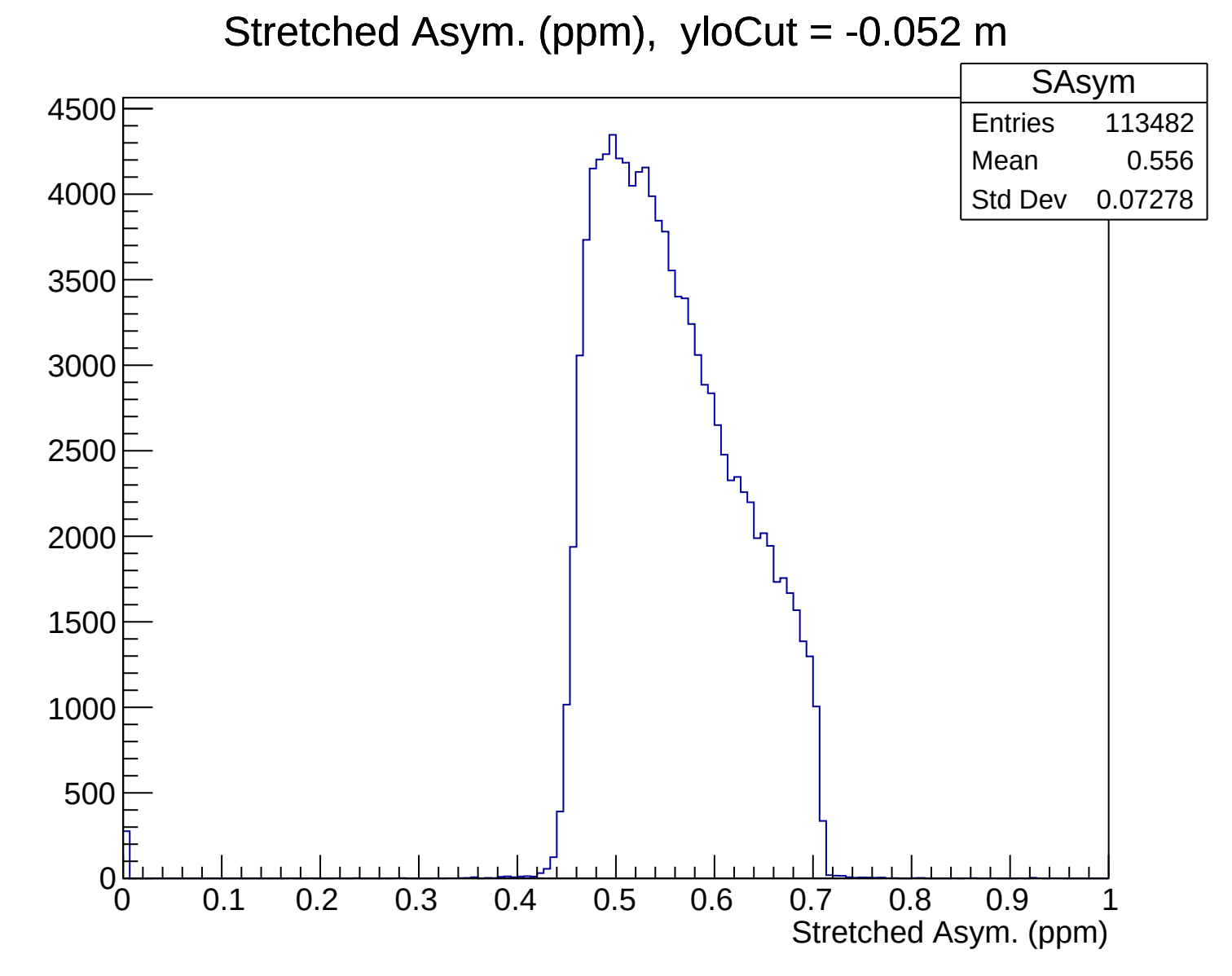

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.052
L.tr.y[0]+1.3*L.tr.ph[0] (m)

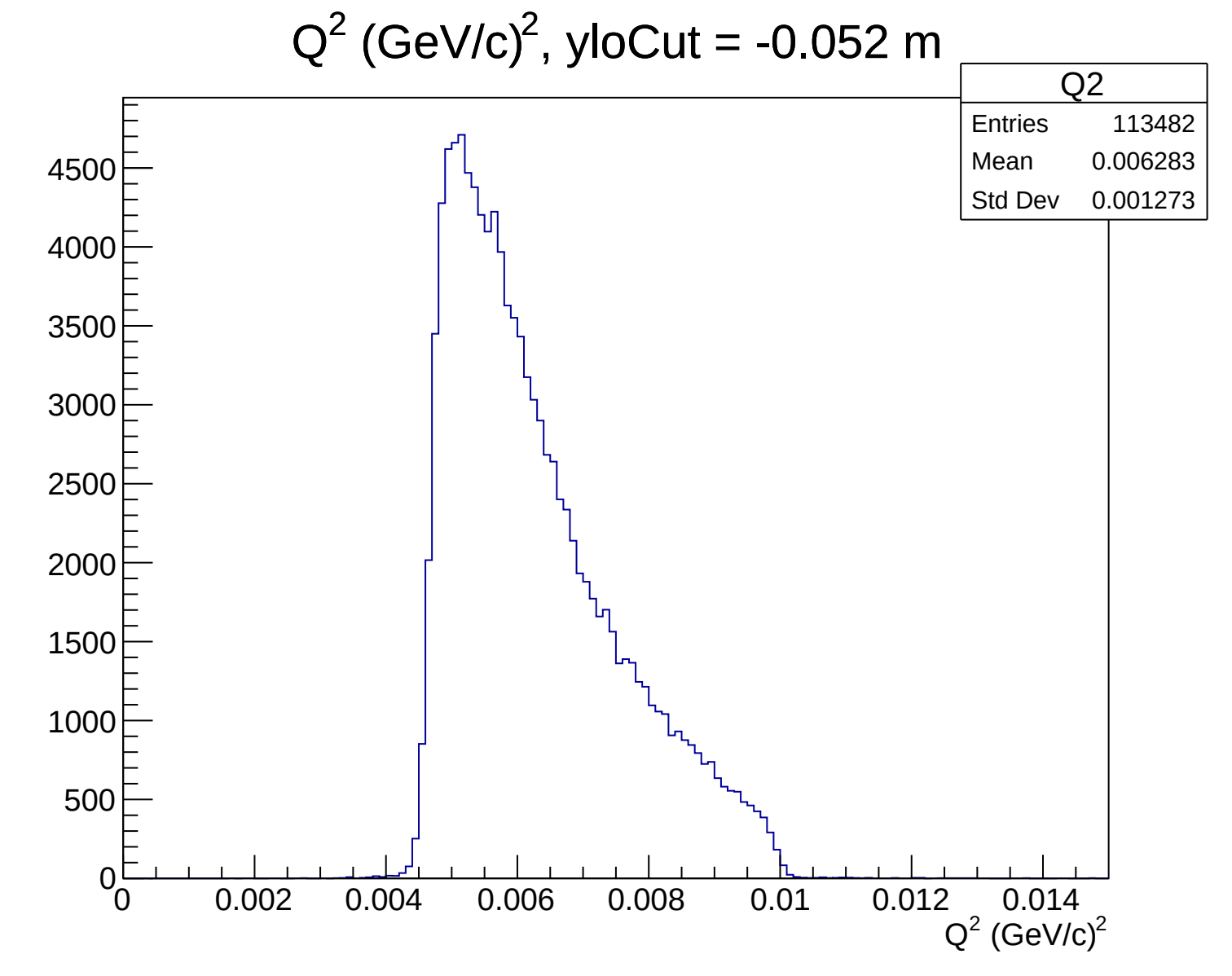

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

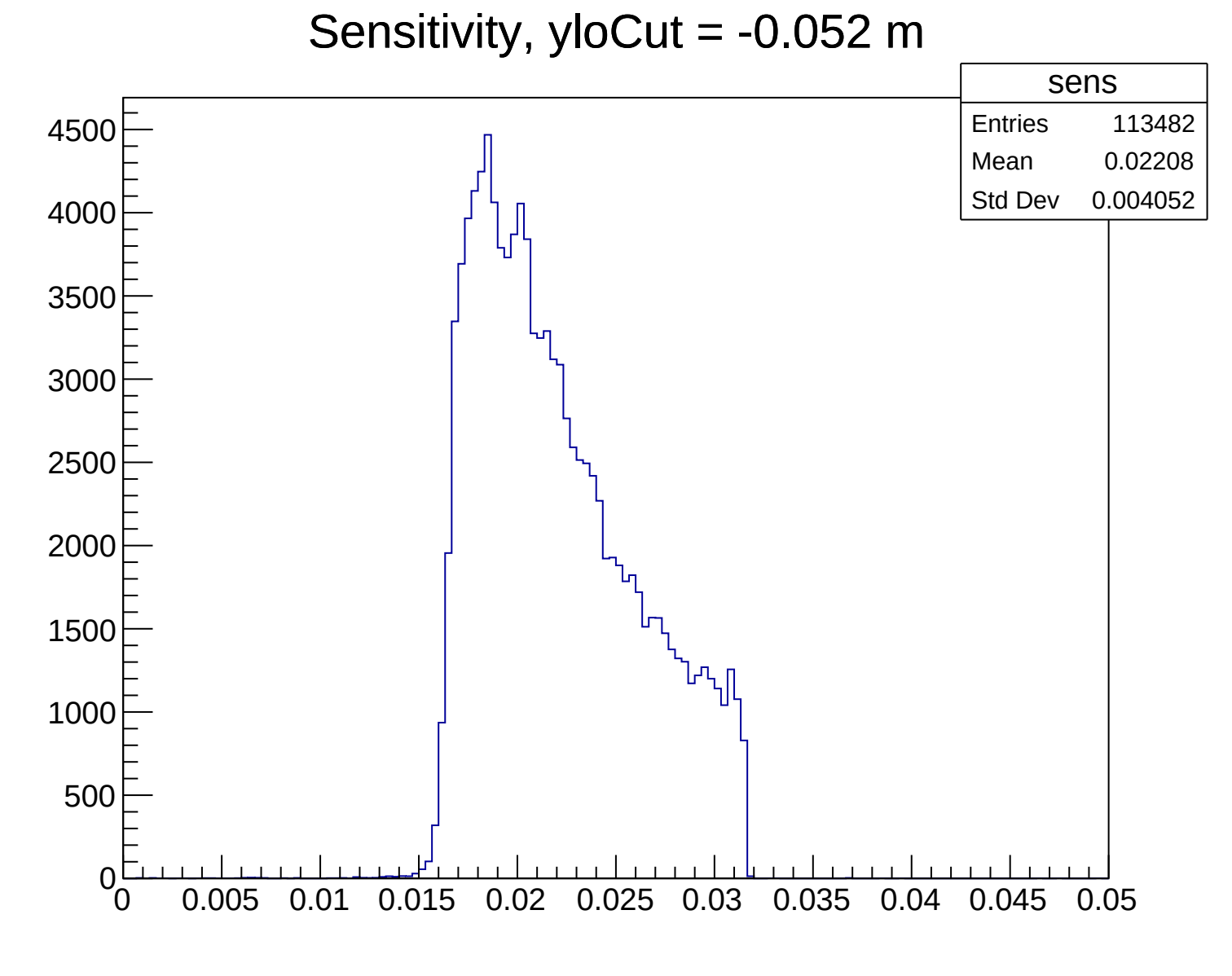

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

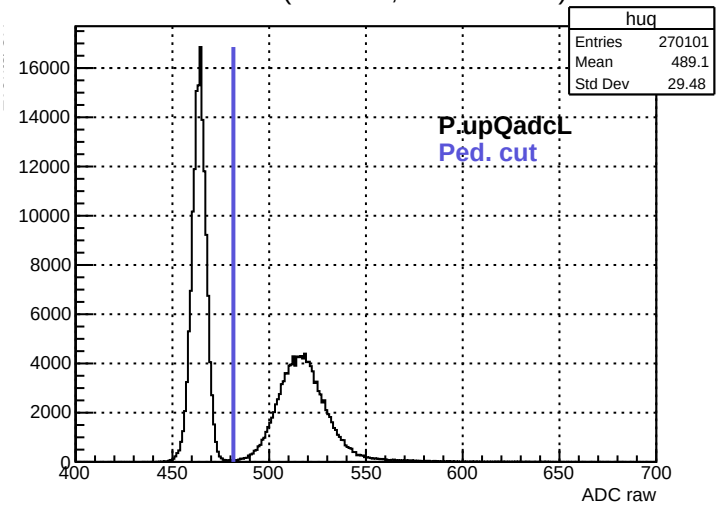

θlab (deg), yloCut = -0.052 m
Theta
Entries 113482
Mean 4.768
Std Dev 0.4714
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

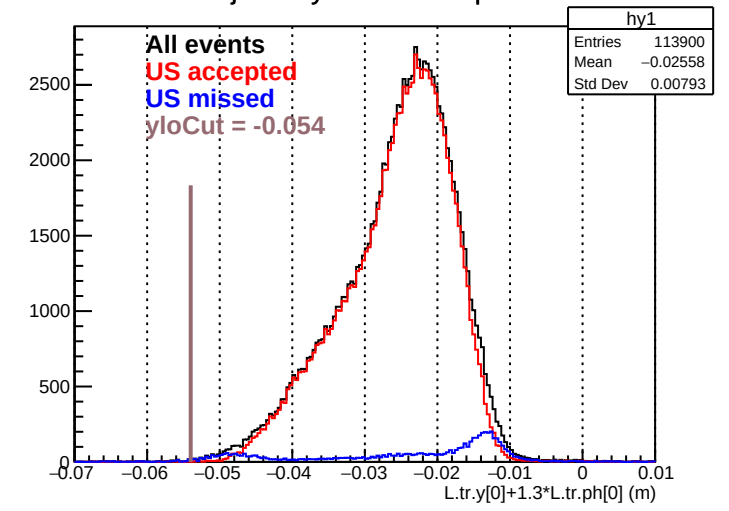

Asymmetry (ppm), yloCut = -0.052 m
Asym
Entries 113482
Mean 0.5688
Std Dev 0.07672
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

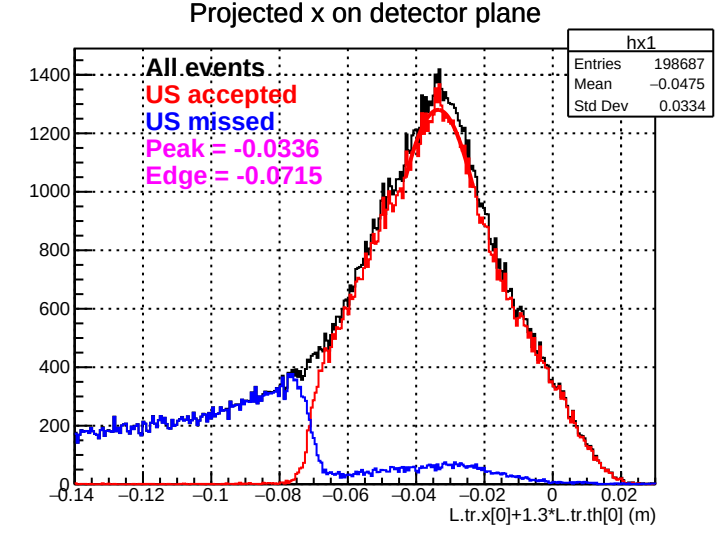

Stretched Asym. (ppm), yloCut = -0.052 m
SAsym
Entries 113482
Mean 0.556
Std Dev 0.07278
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

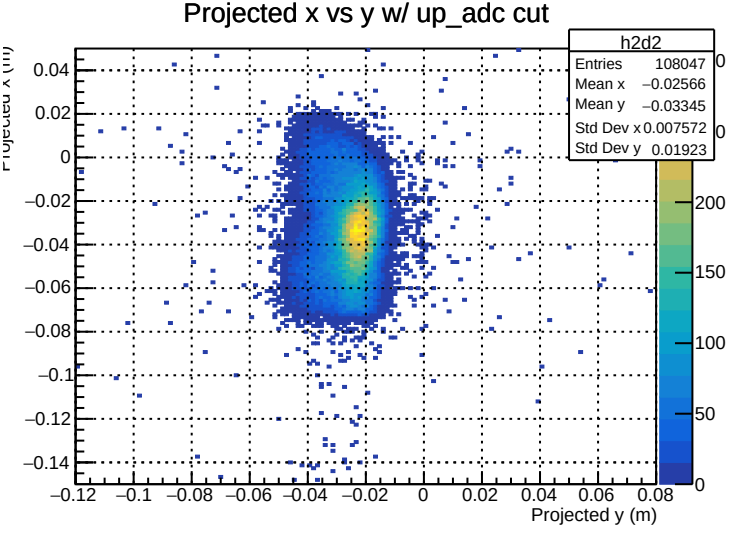

Q^2 (GeV/c)^2, yloCut = -0.052 m
Q2
Entries 113482
Mean 0.006283
Std Dev 0.001273
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

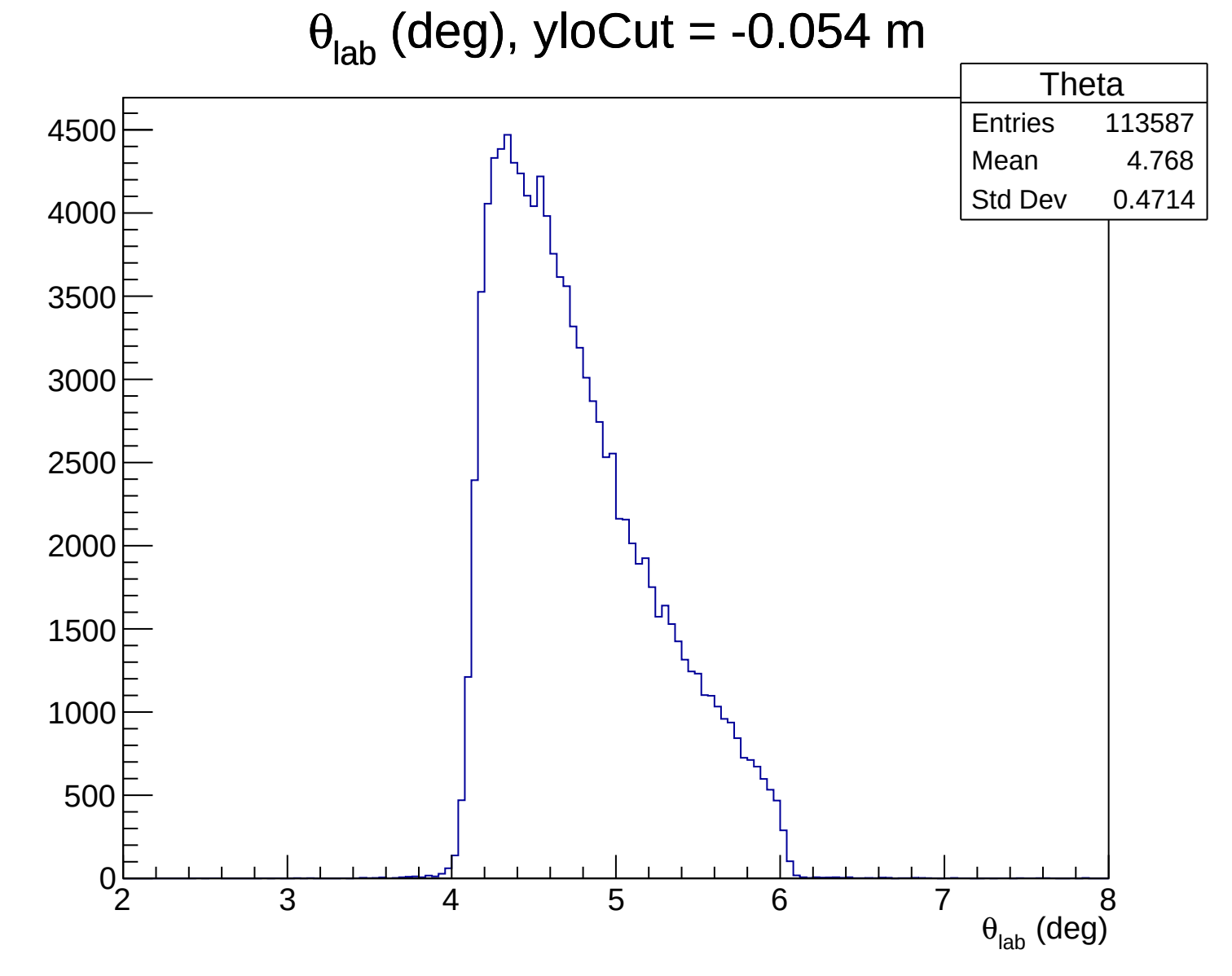

Sensitivity, yloCut = -0.052 m
sens
Entries 113482
Mean 0.02208
Std Dev 0.004052
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

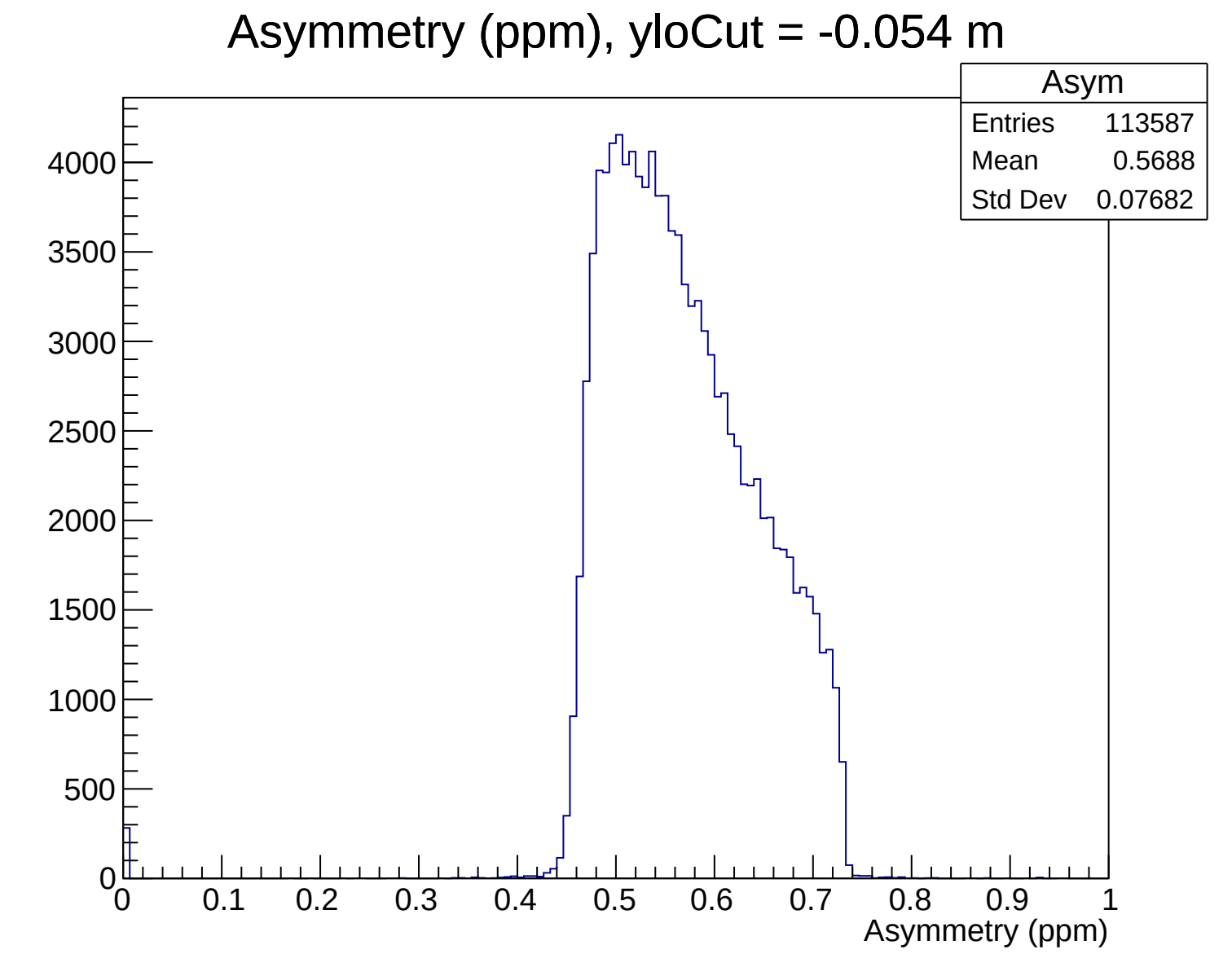

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

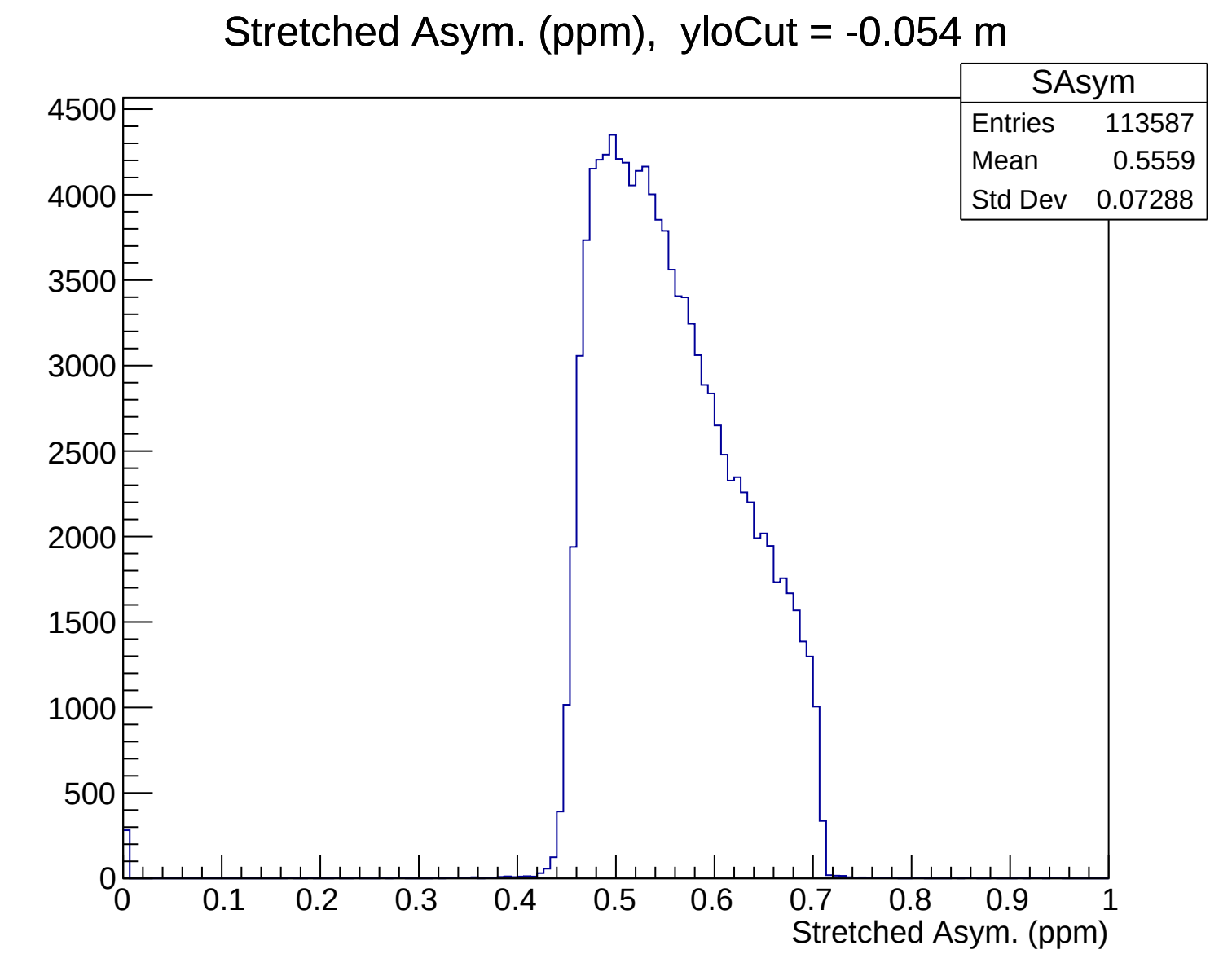

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.054
L.tr.y[0]+1.3*L.tr.ph[0] (m)

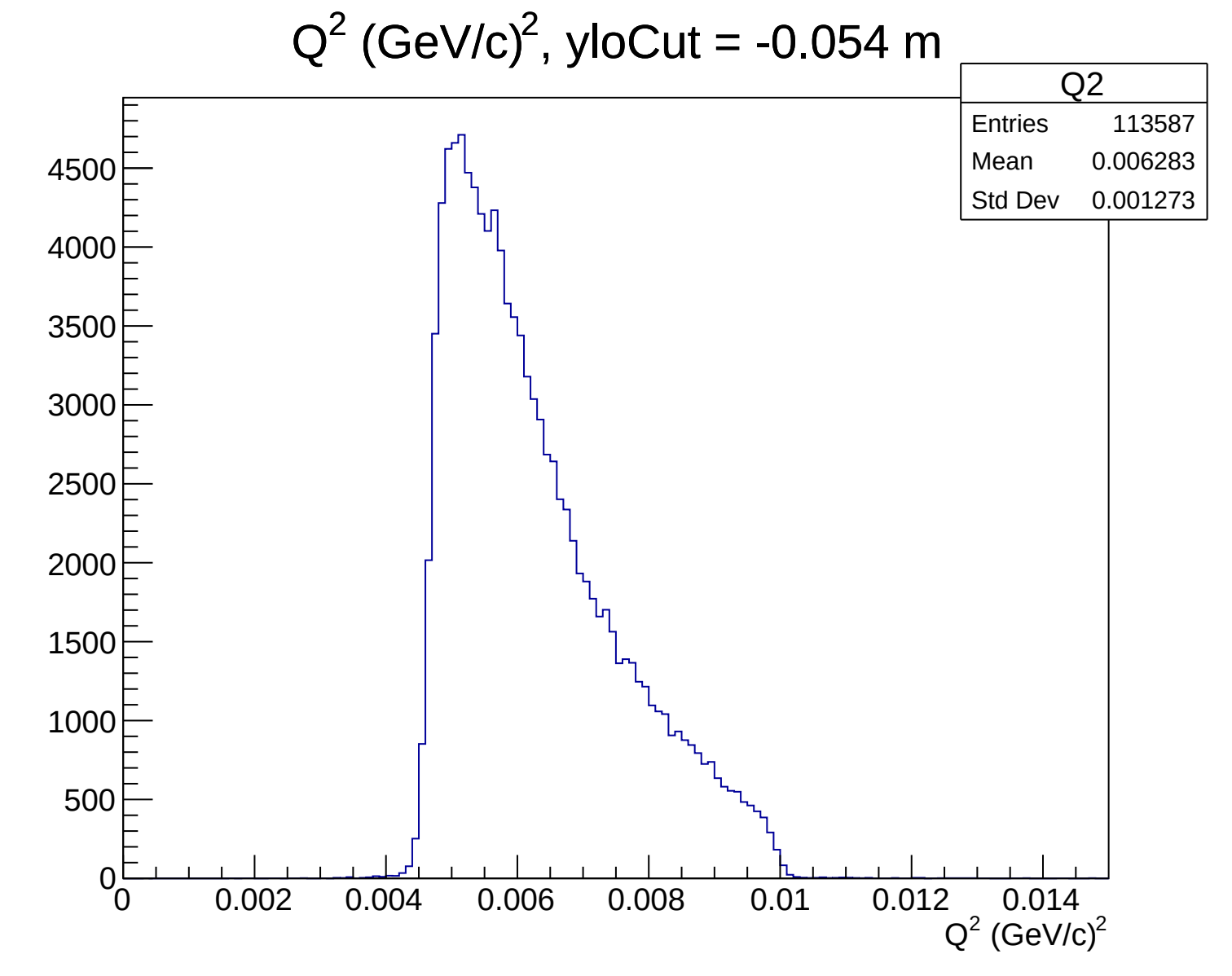

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

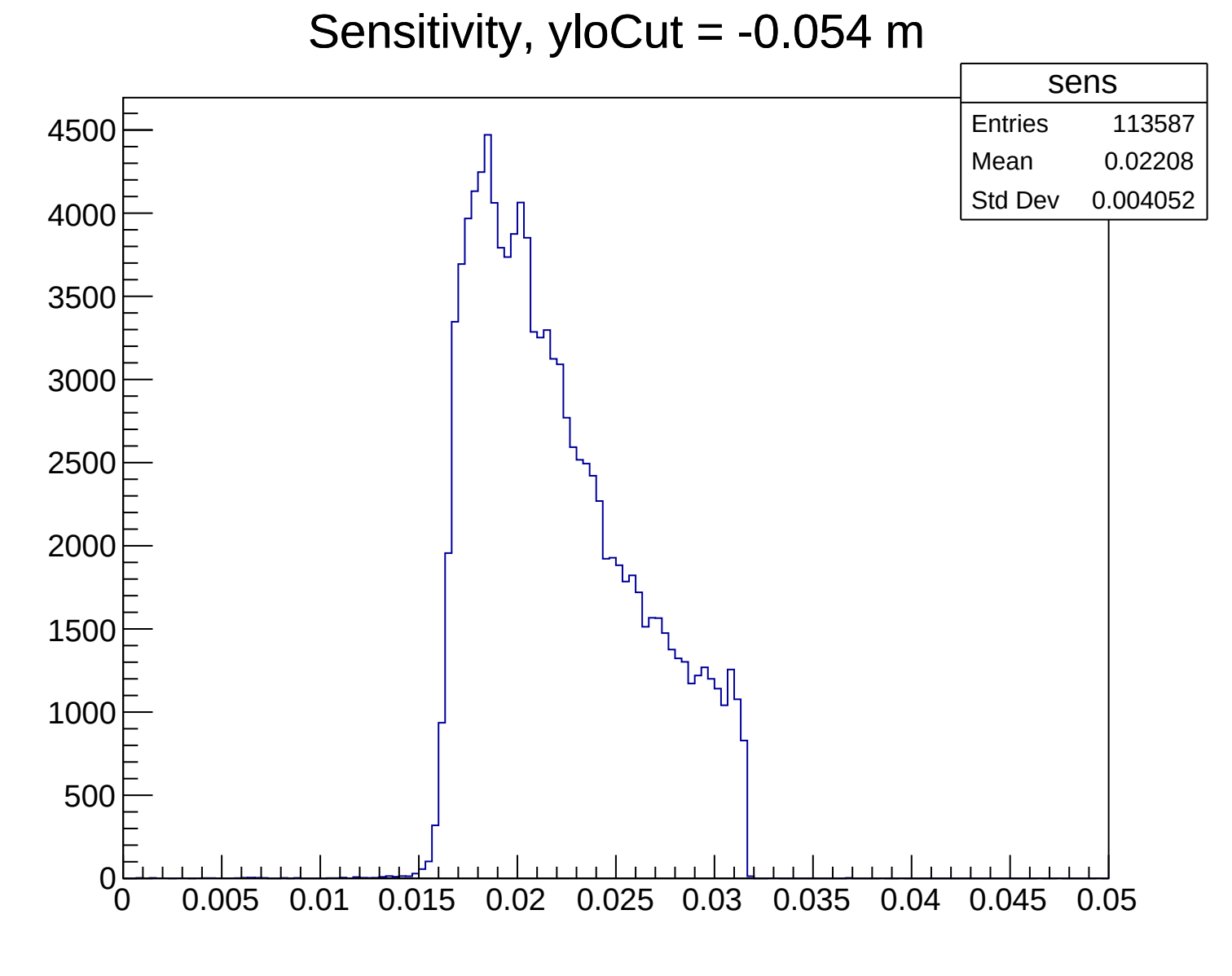

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

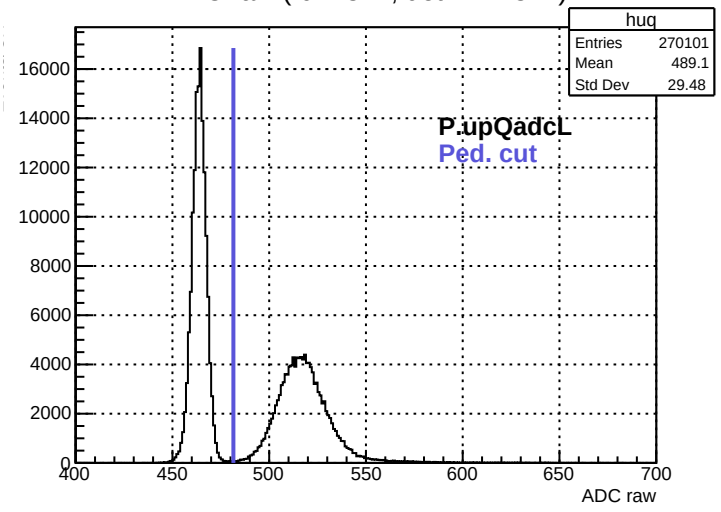

θlab (deg), yloCut = -0.054 m
Theta
Entries 113587
Mean 4.768
Std Dev 0.4714
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

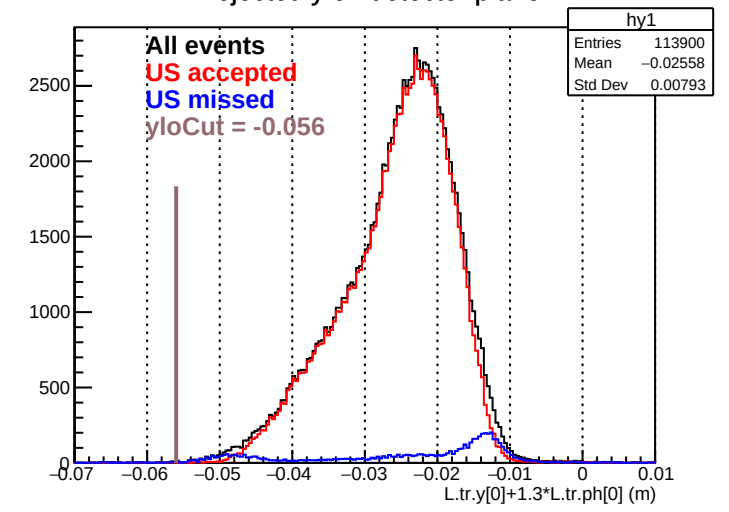

Asymmetry (ppm), yloCut = -0.054 m
Asym
Entries 113587
Mean 0.5688
Std Dev 0.07682
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

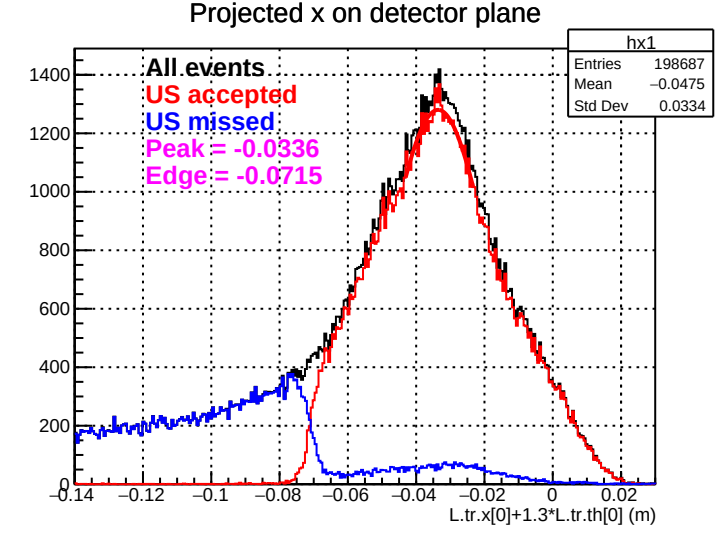

Stretched Asym. (ppm), yloCut = -0.054 m
SAsym
Entries 113587
Mean 0.5559
Std Dev 0.07288
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

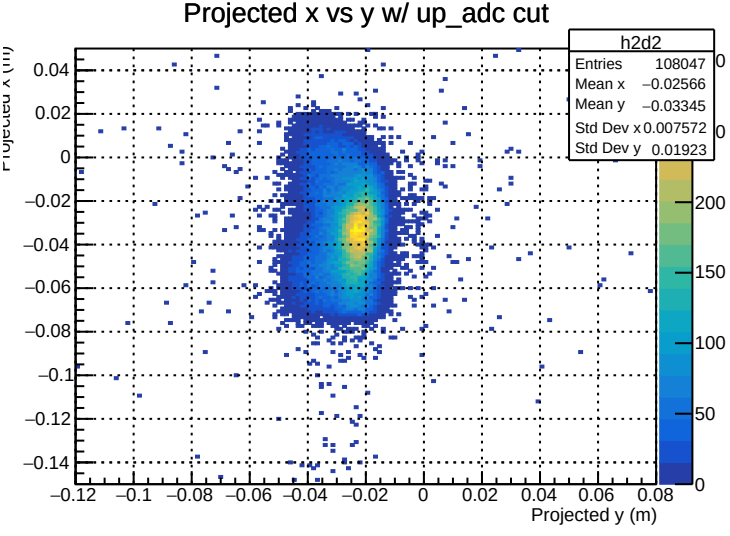

Q^2 (GeV/c)^2, yloCut = -0.054 m
Q2
Entries 113587
Mean 0.006283
Std Dev 0.001273
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

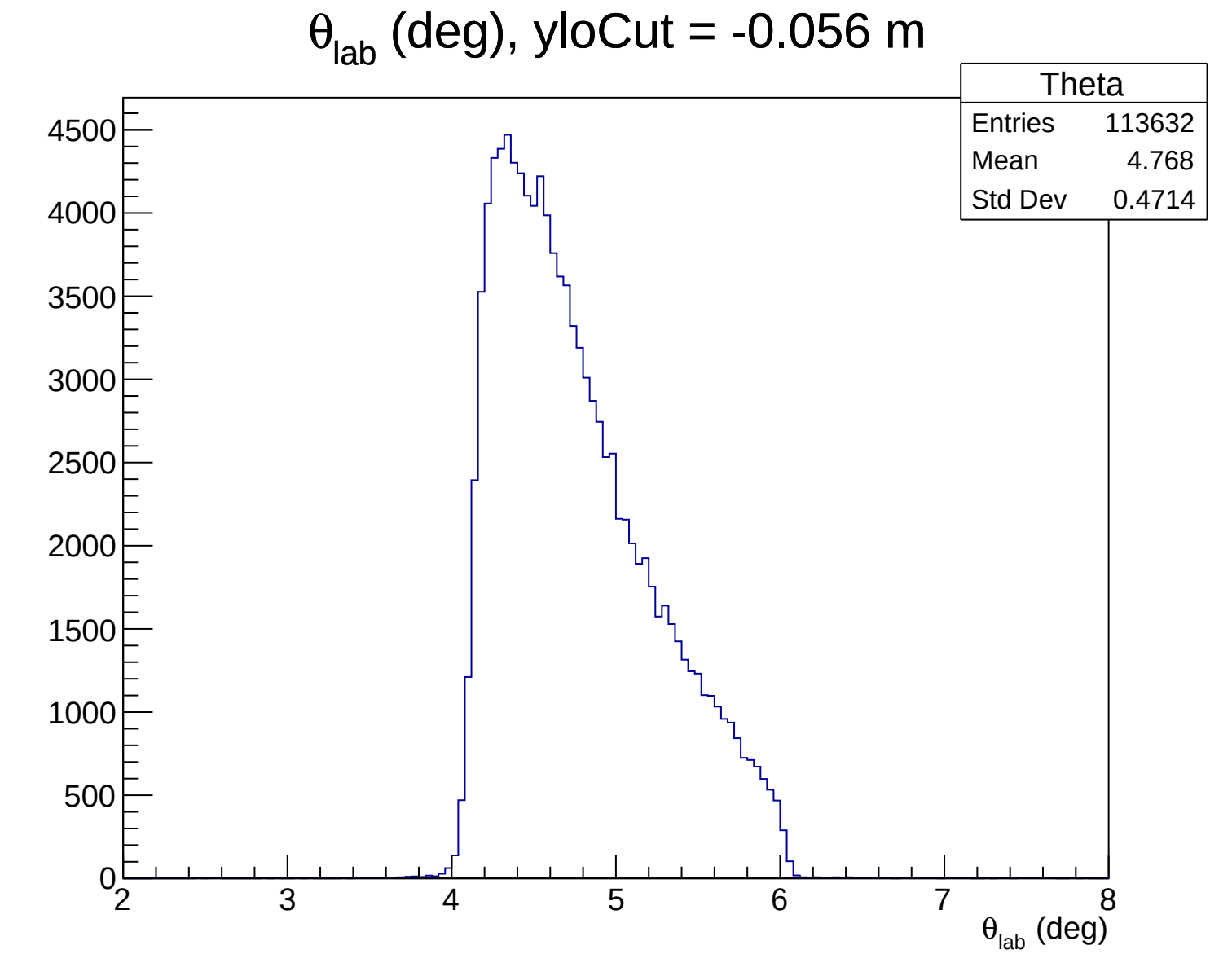

Sensitivity, yloCut = -0.054 m
sens
Entries 113587
Mean 0.02208
Std Dev 0.004052
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

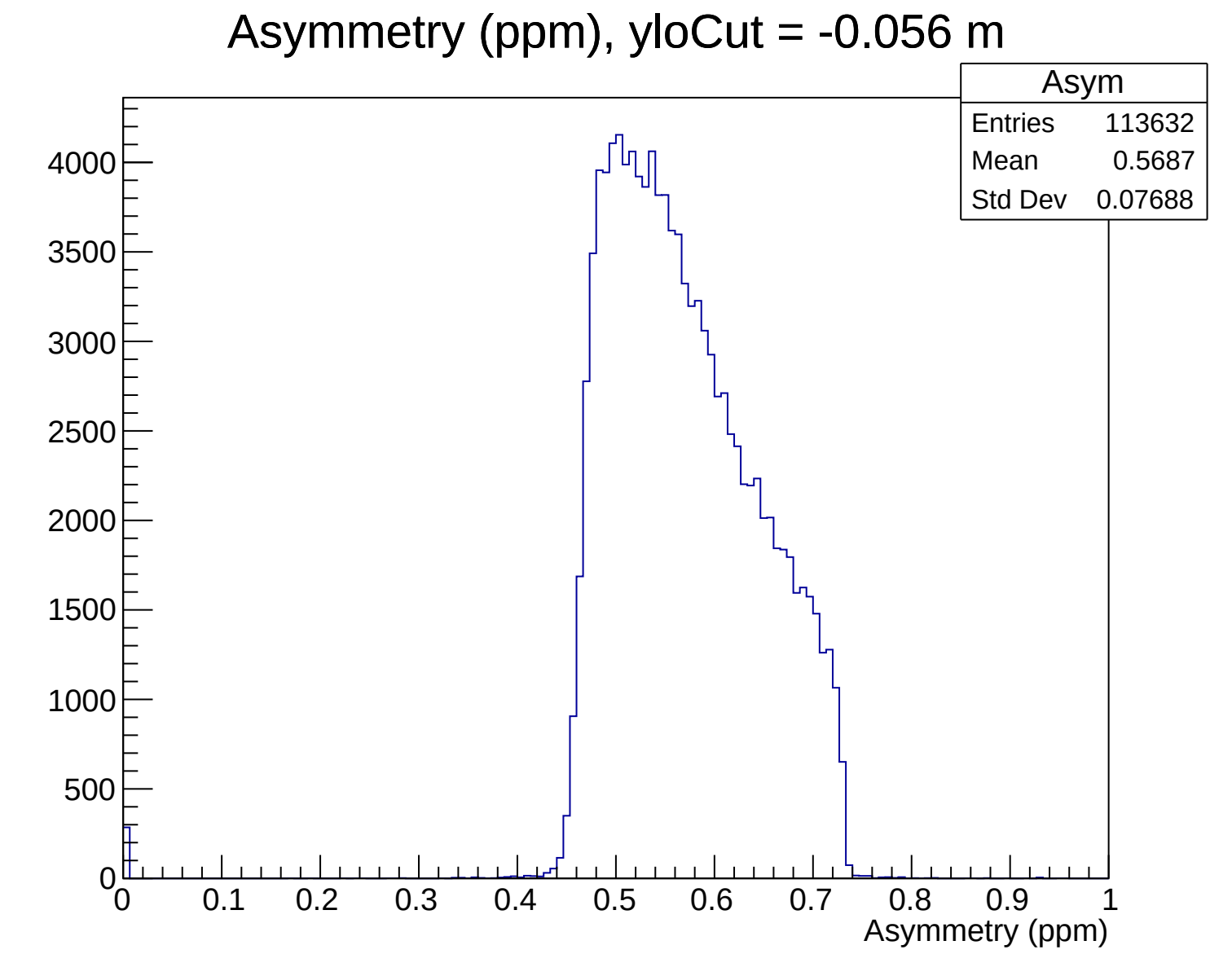

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

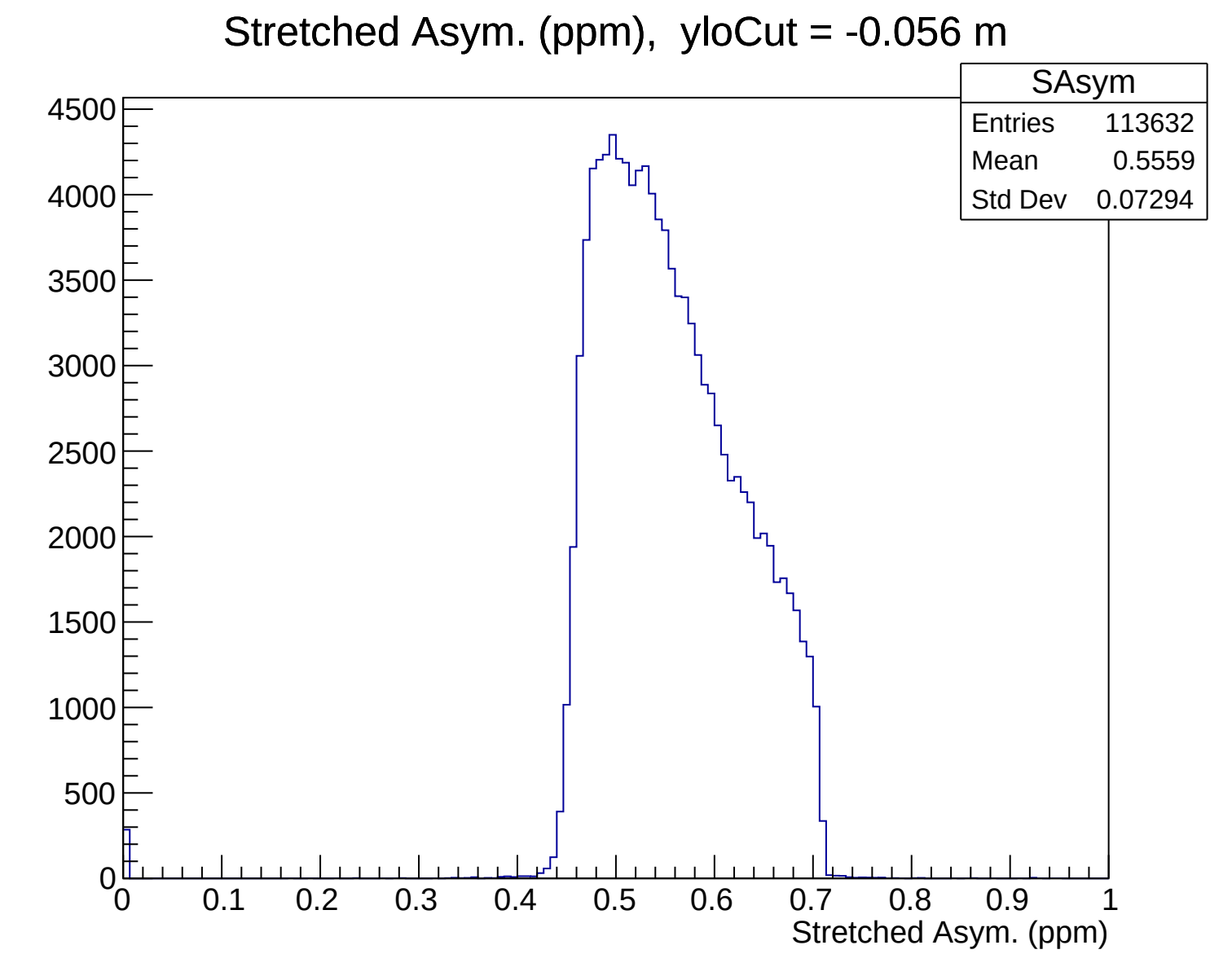

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.056
L.tr.y[0]+1.3*L.tr.ph[0] (m)

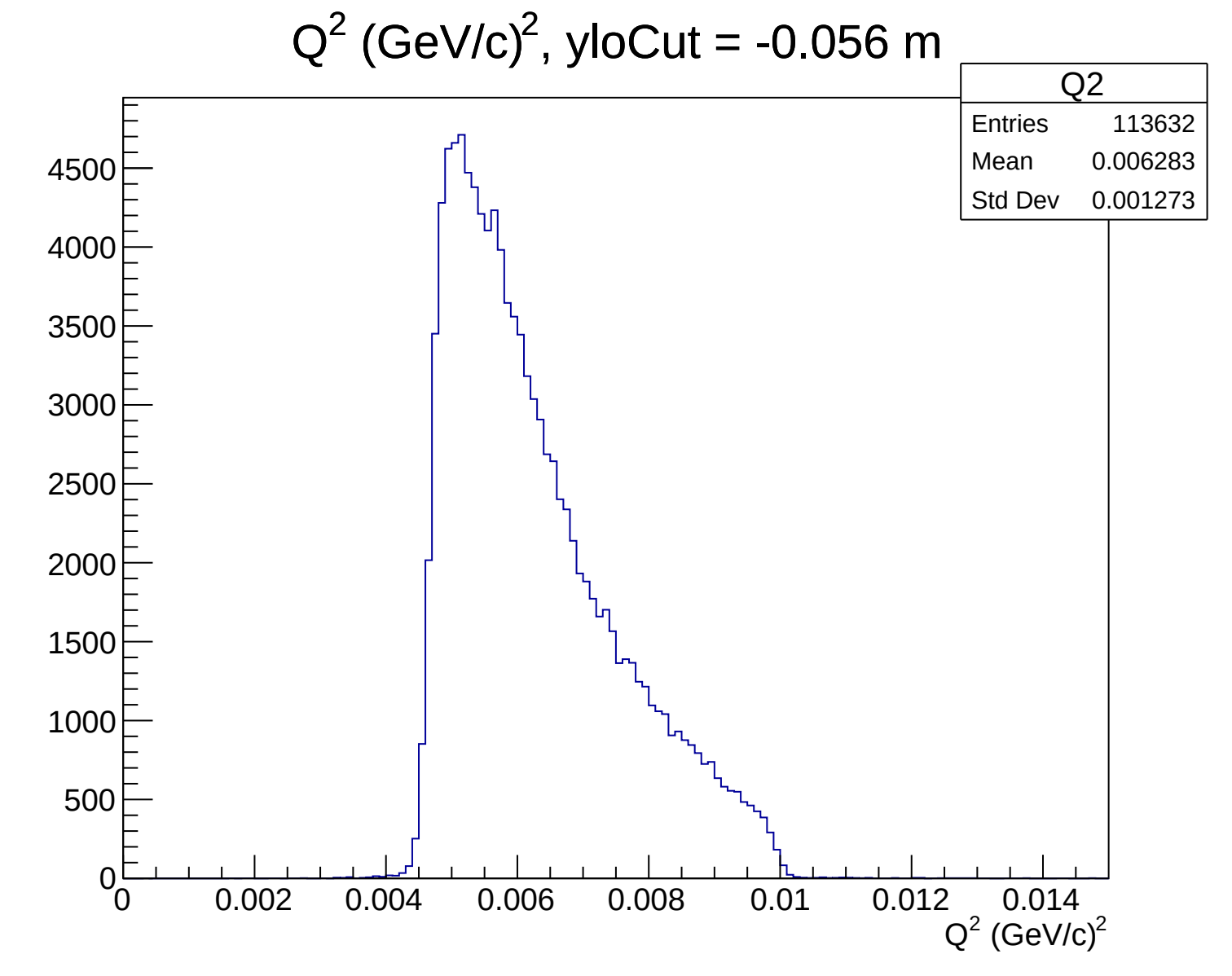

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

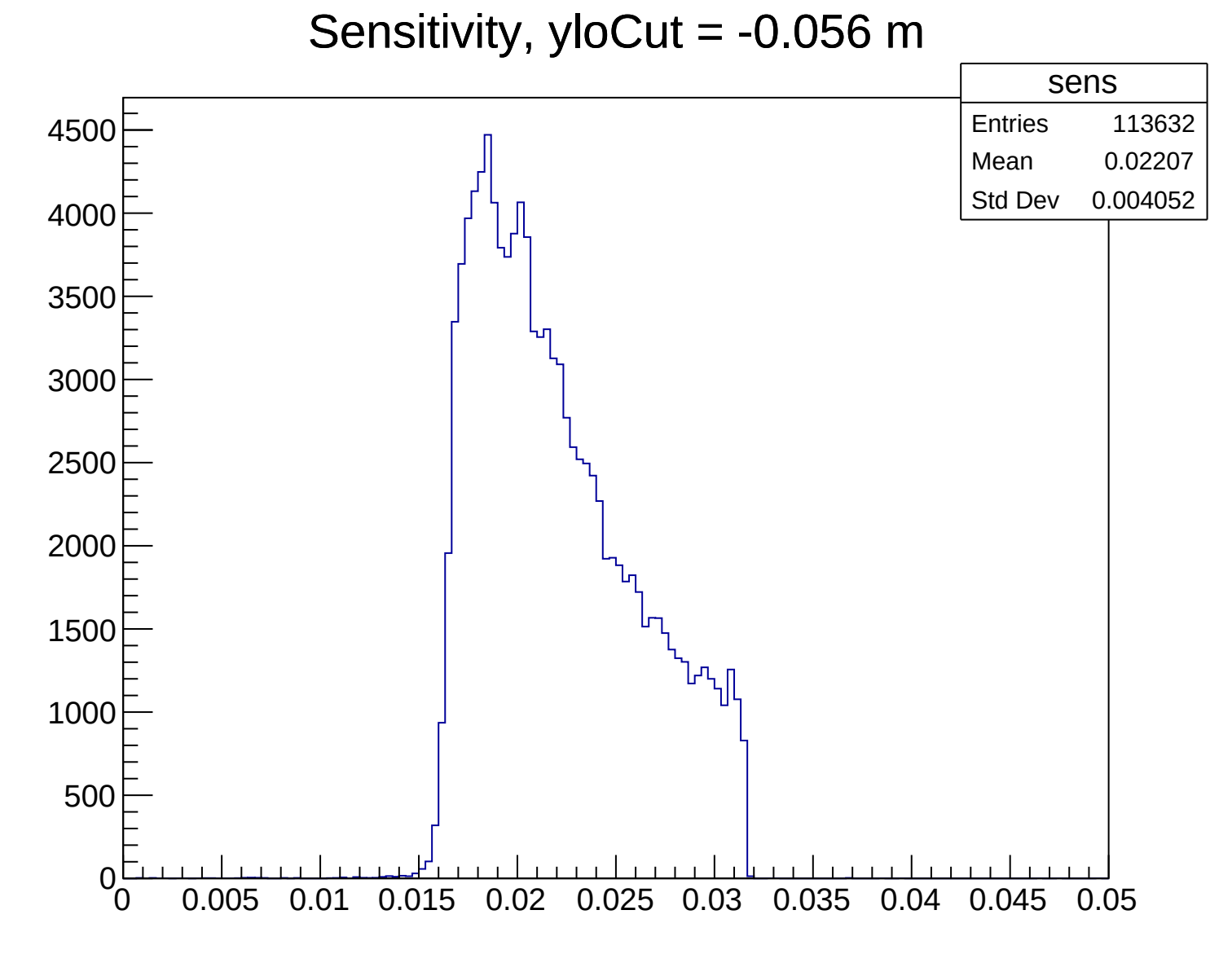

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

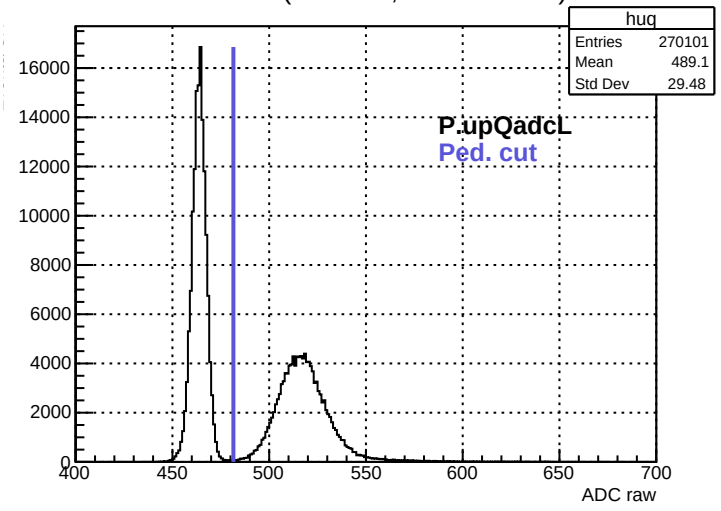

θlab (deg), yloCut = -0.056 m
Theta
Entries 113632
Mean 4.768
Std Dev 0.4714
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

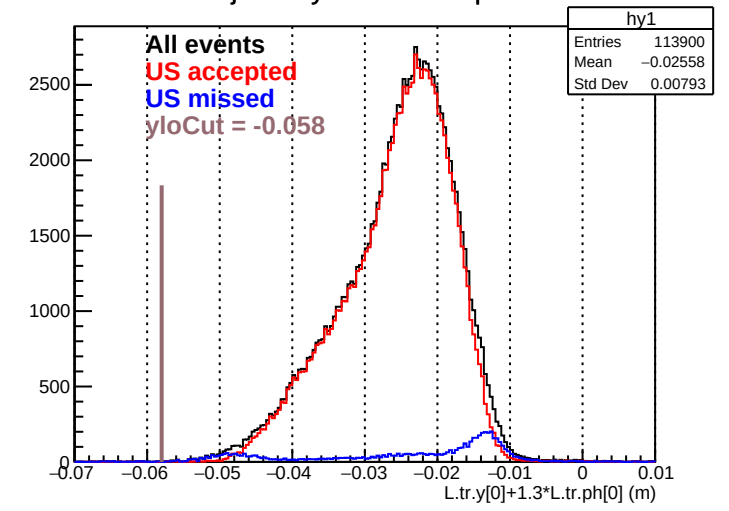

Asymmetry (ppm), yloCut = -0.056 m
Asym
Entries 113632
Mean 0.5687
Std Dev 0.07688
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

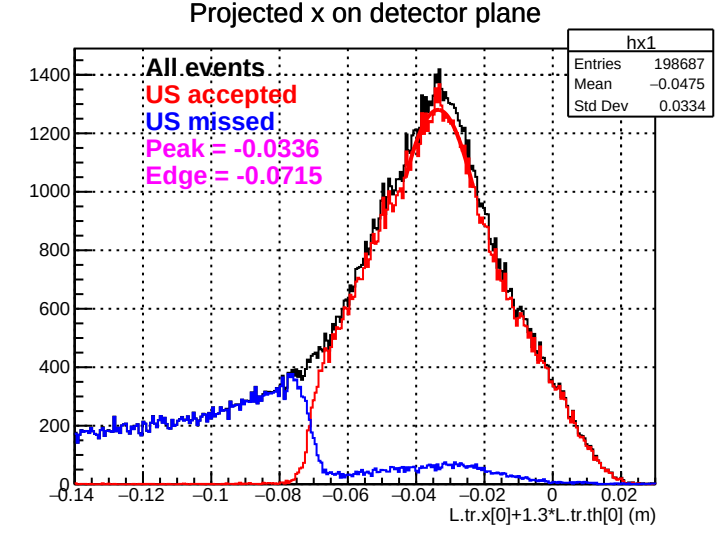

Stretched Asym. (ppm), yloCut = -0.056 m
SAsym
Entries 113632
Mean 0.5559
Std Dev 0.07294
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

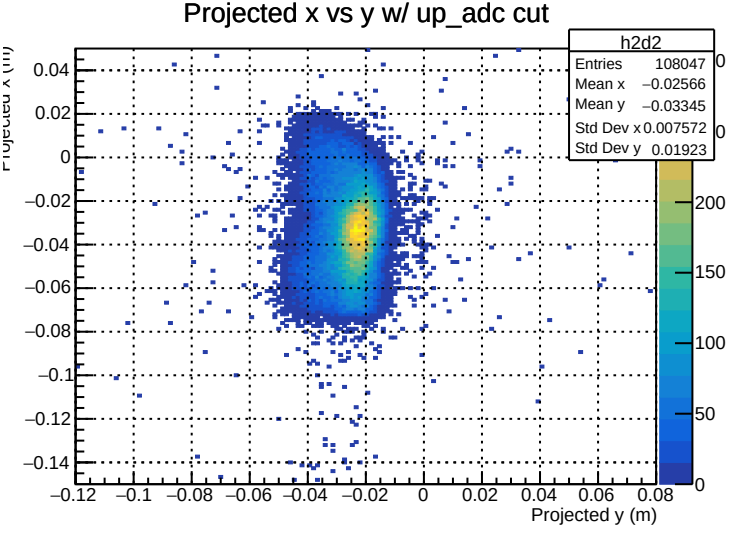

Q^2 (GeV/c)^2, yloCut = -0.056 m
Q2
Entries 113632
Mean 0.006283
Std Dev 0.001273
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

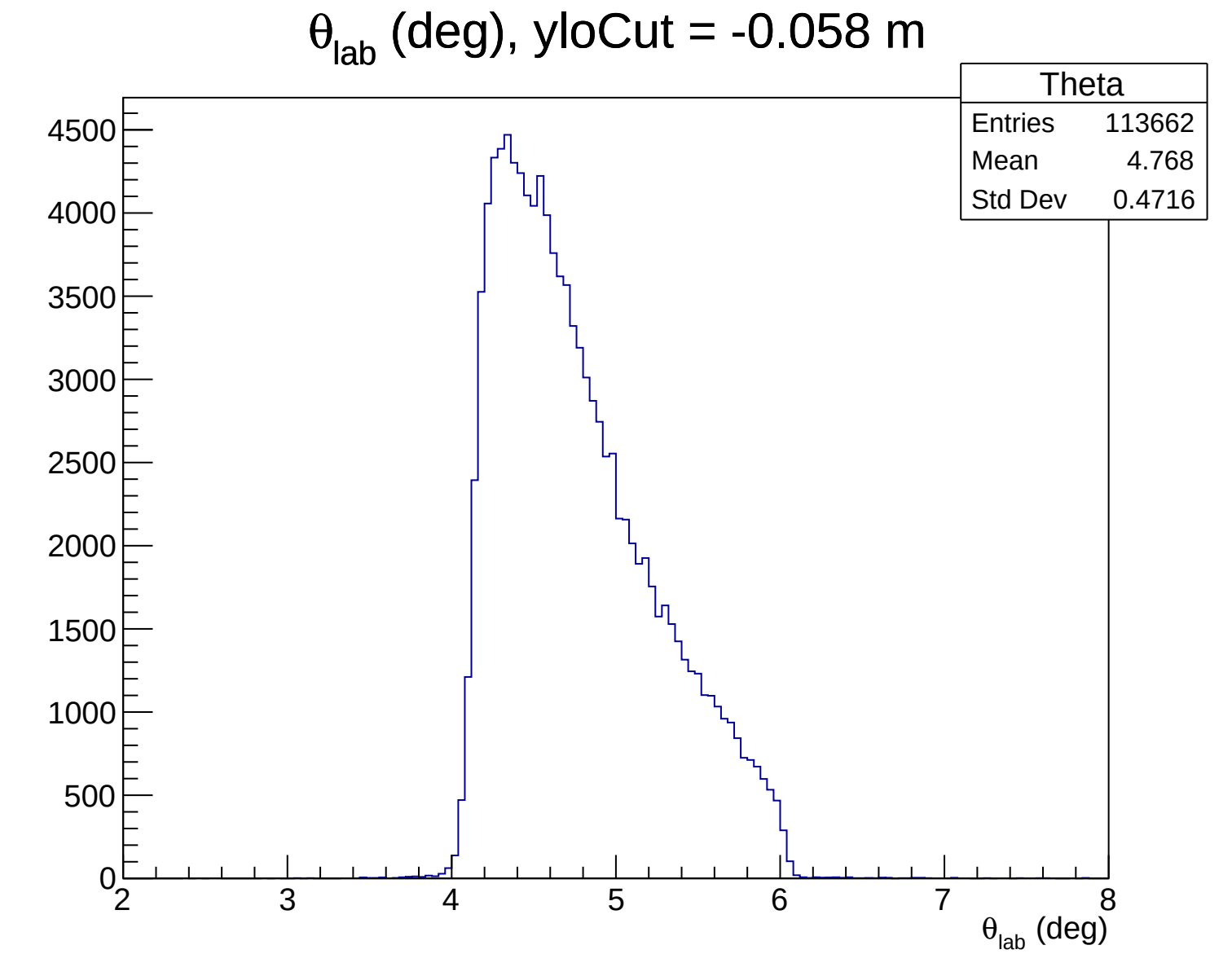

Sensitivity, yloCut = -0.056 m
sens
Entries 113632
Mean 0.02207
Std Dev 0.004052
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

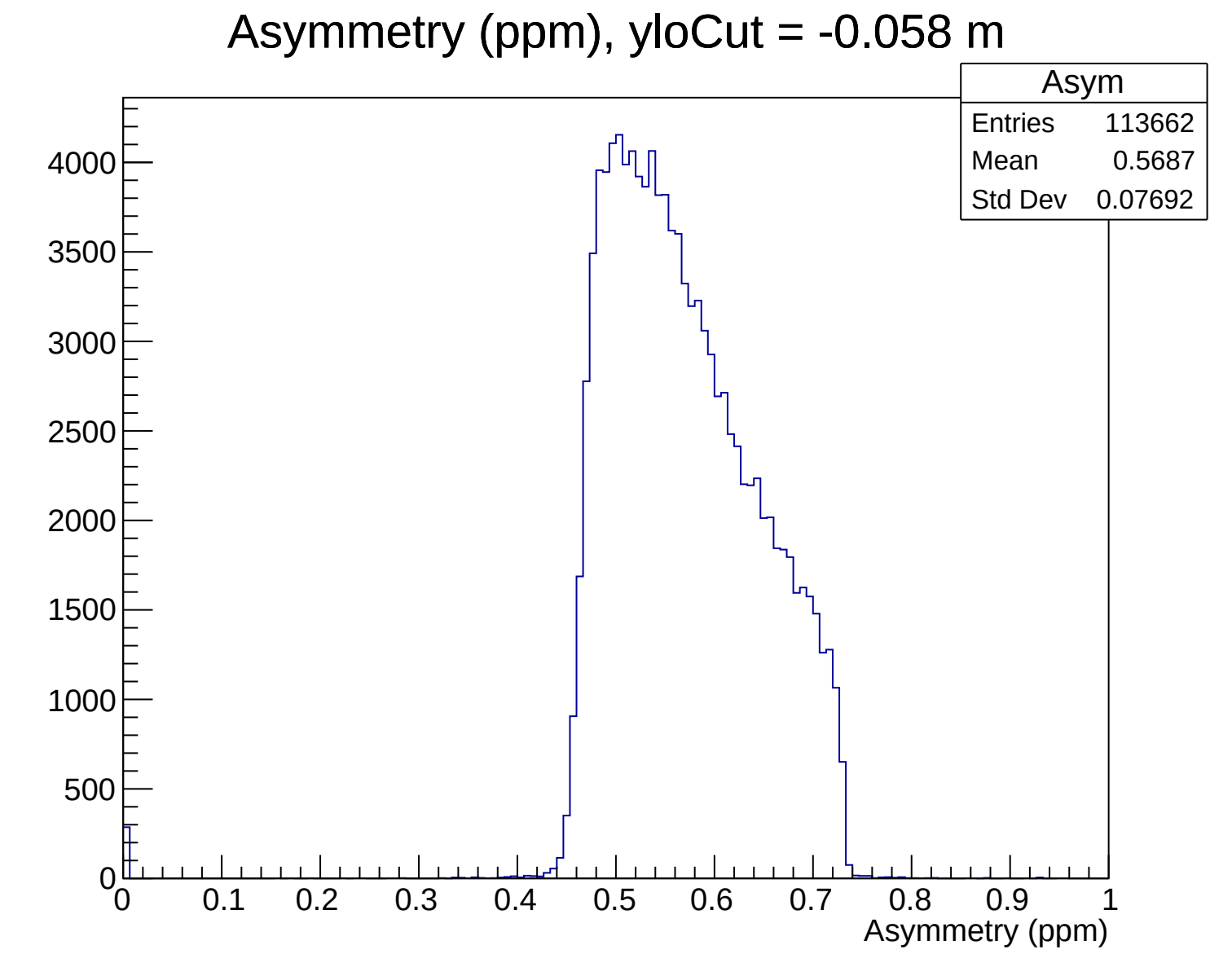

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

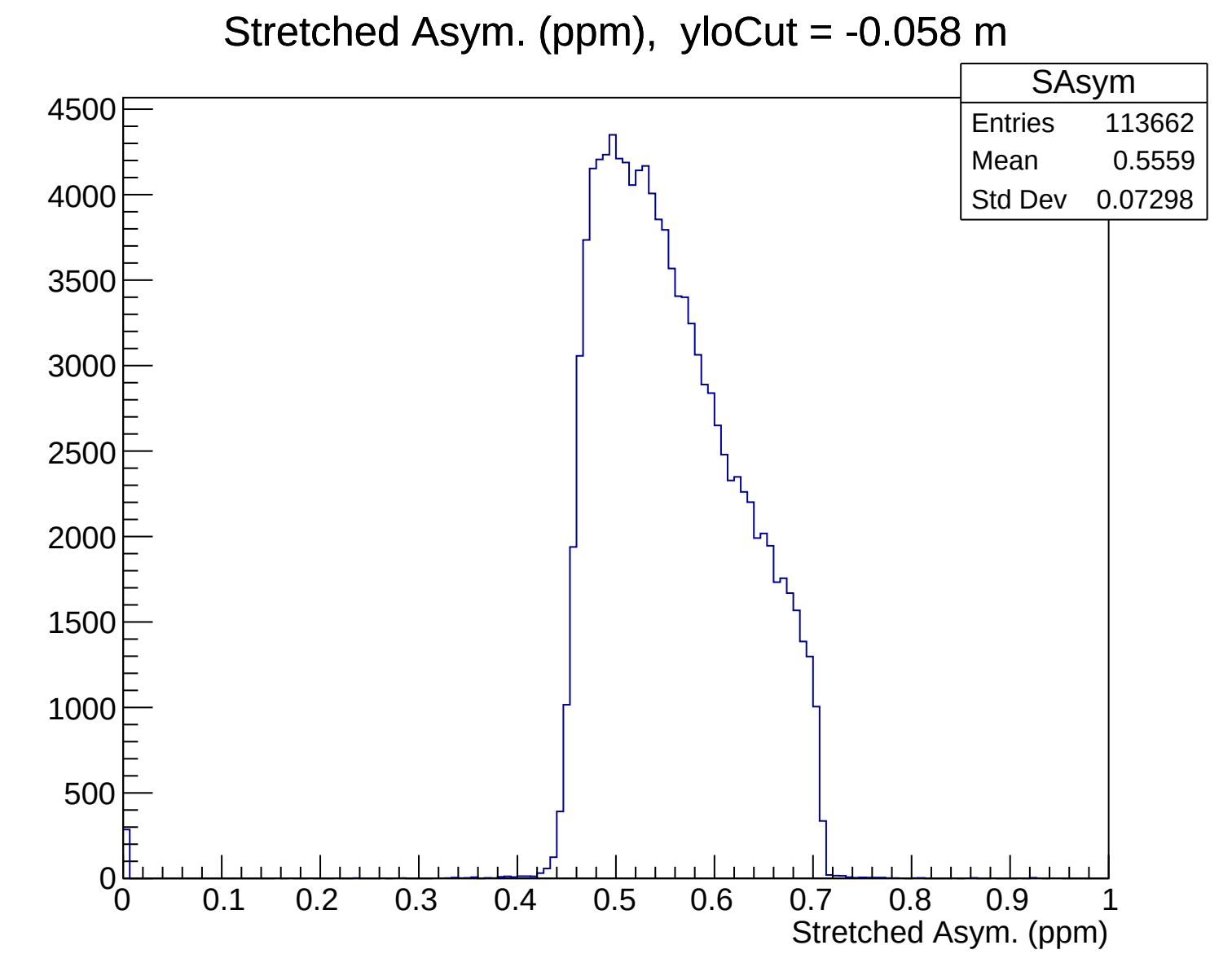

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.058
L.tr.y[0]+1.3*L.tr.ph[0] (m)

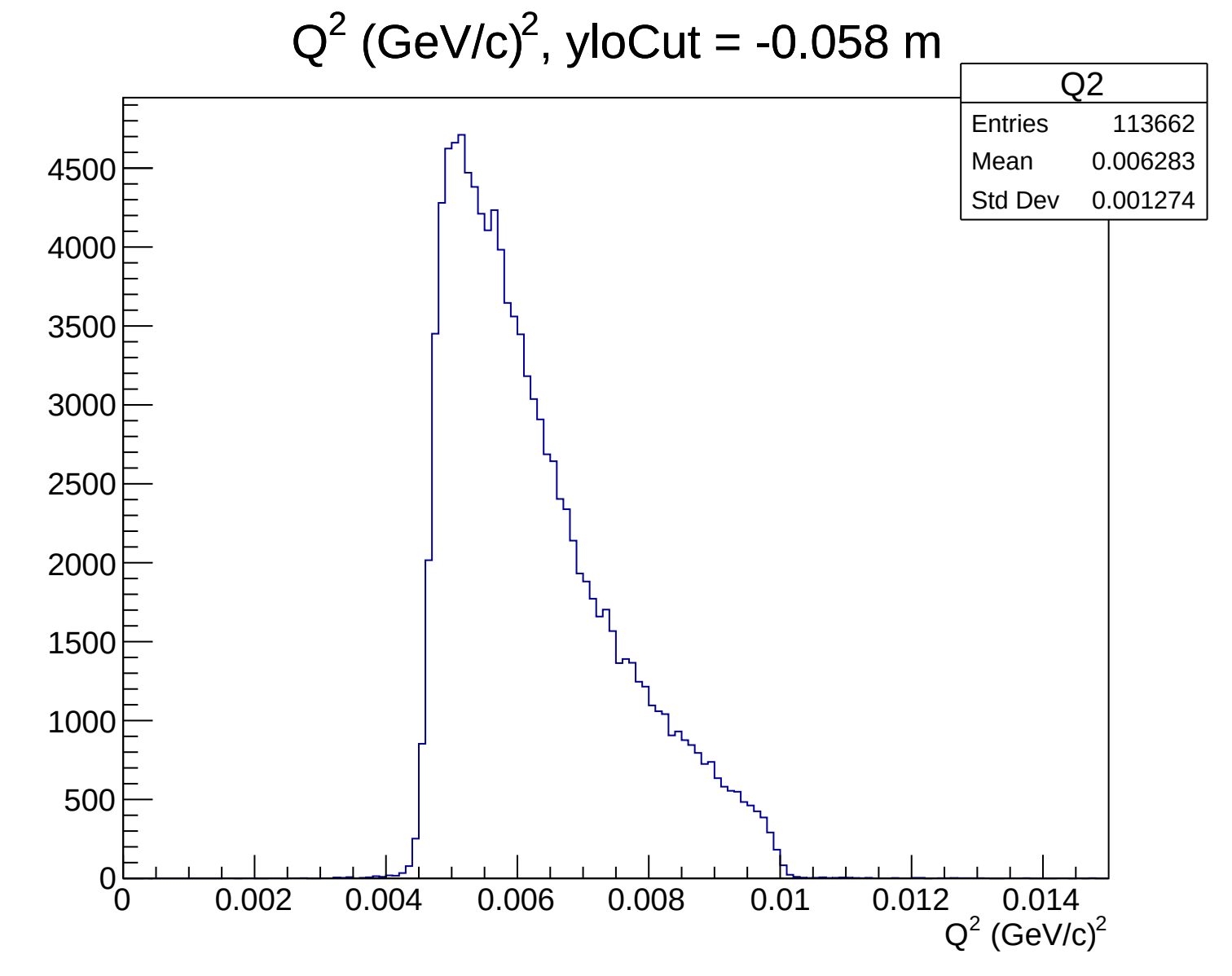

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

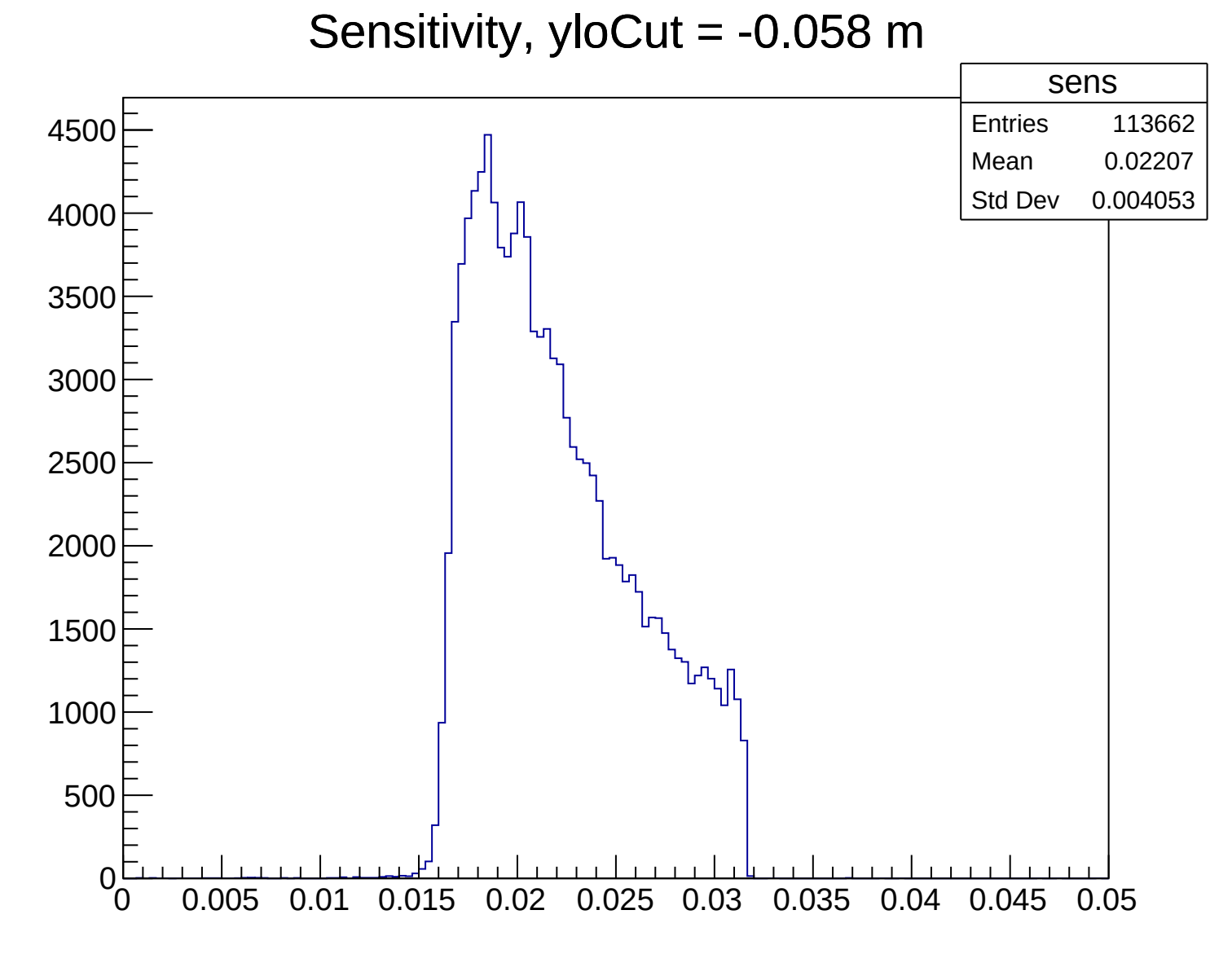

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

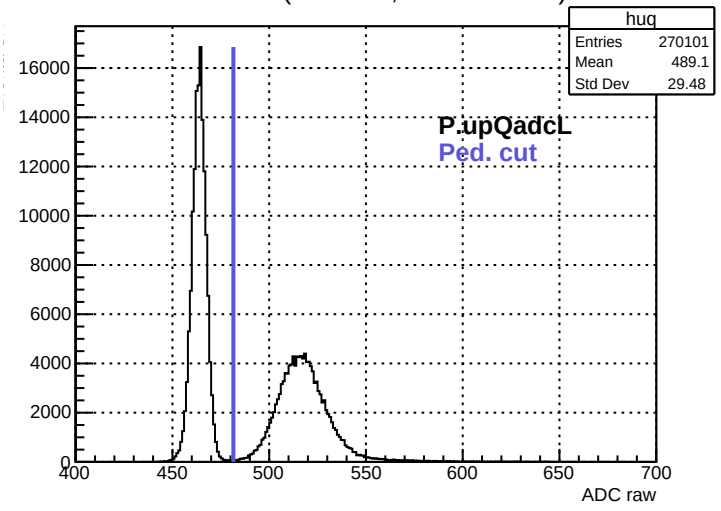

θlab (deg), yloCut = -0.058 m
Theta
Entries 113662
Mean 4.768
Std Dev 0.4716
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

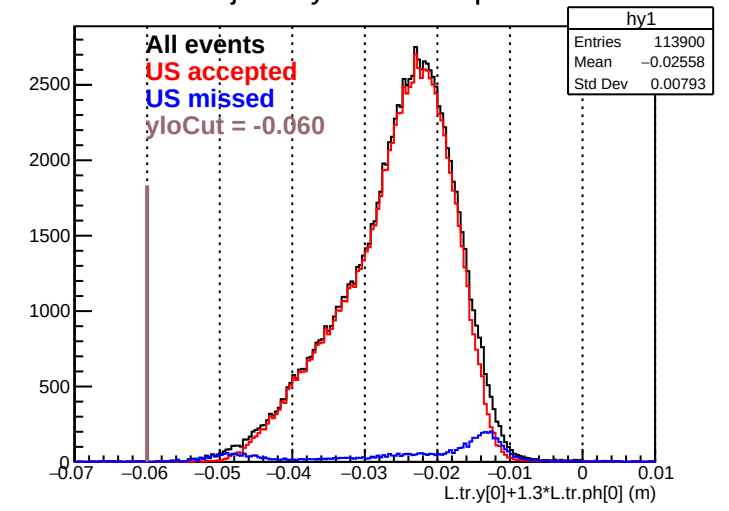

Asymmetry (ppm), yloCut = -0.058 m
Asym
Entries 113662
Mean 0.5687
Std Dev 0.07692
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

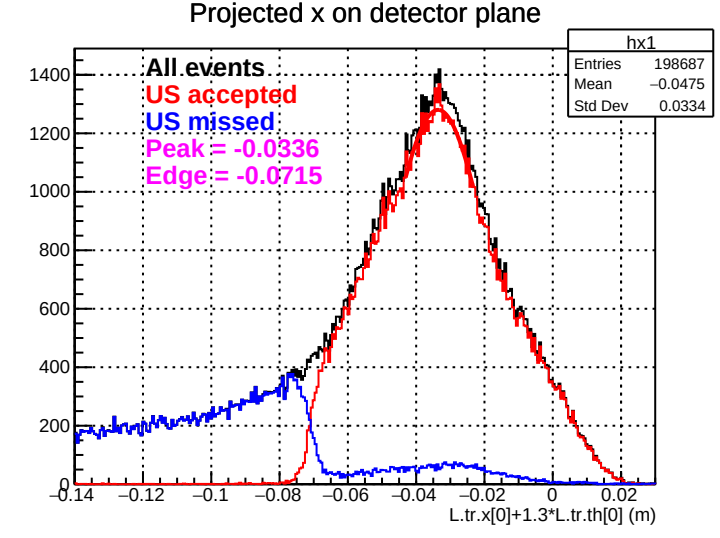

Stretched Asym. (ppm), yloCut = -0.058 m
SAsym
Entries 113662
Mean 0.5559
Std Dev 0.07298
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

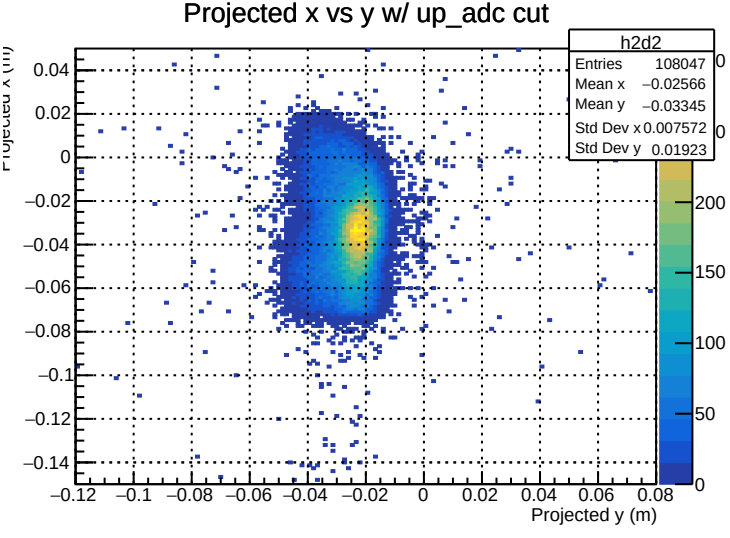

Q^2 (GeV/c)^2, yloCut = -0.058 m
Q2
Entries 113662
Mean 0.006283
Std Dev 0.001274
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

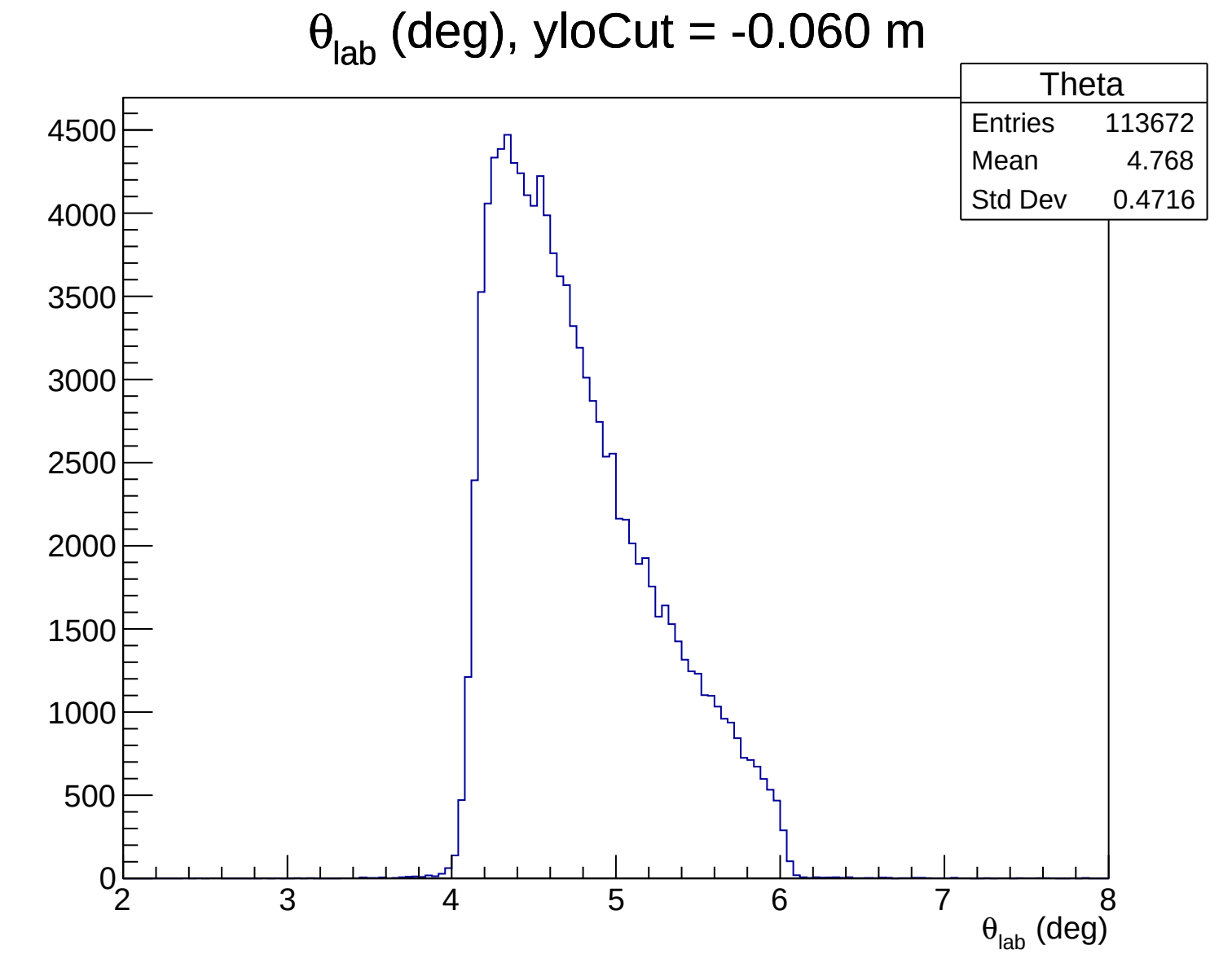

Sensitivity, yloCut = -0.058 m
sens
Entries 113662
Mean 0.02207
Std Dev 0.004053
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

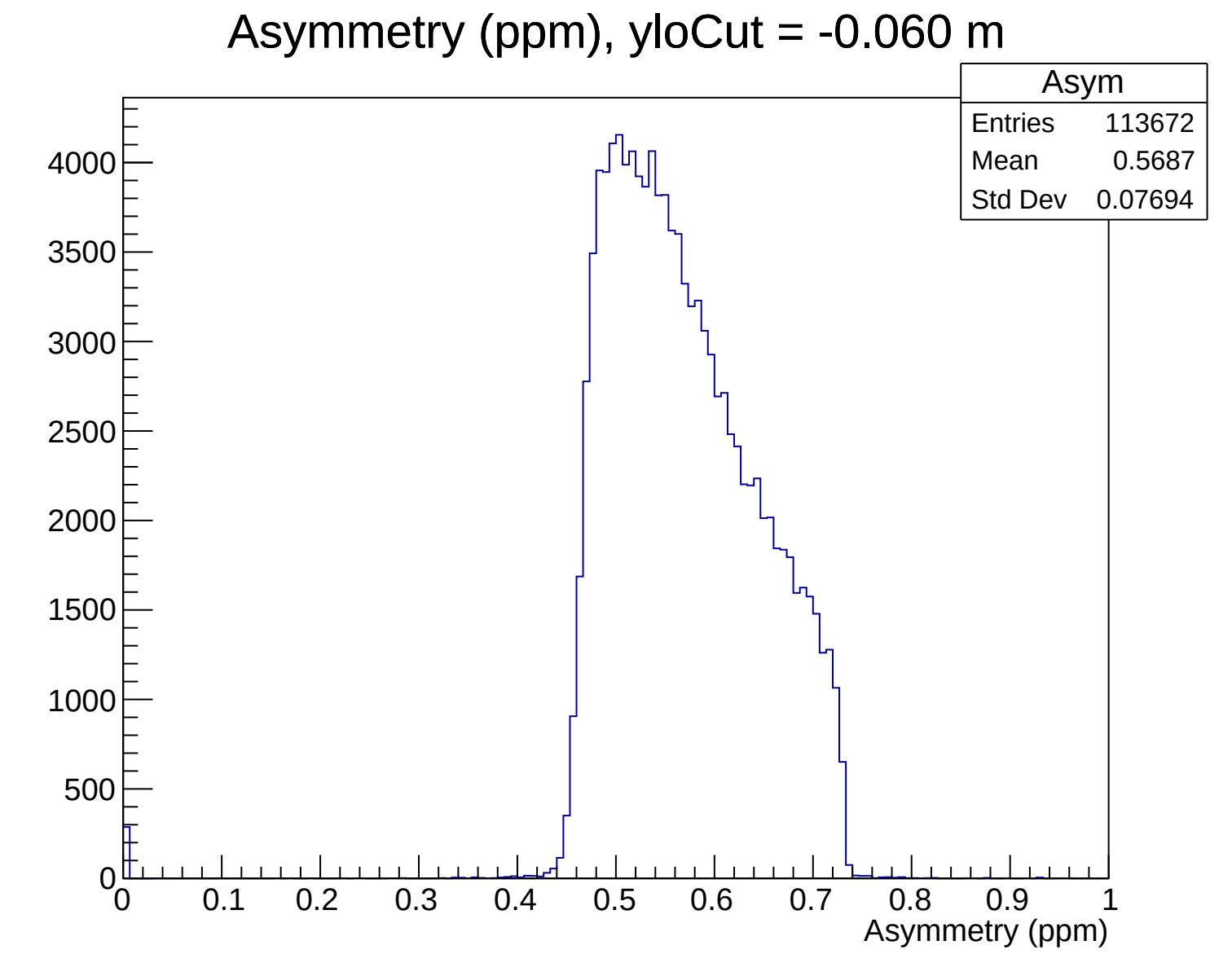

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

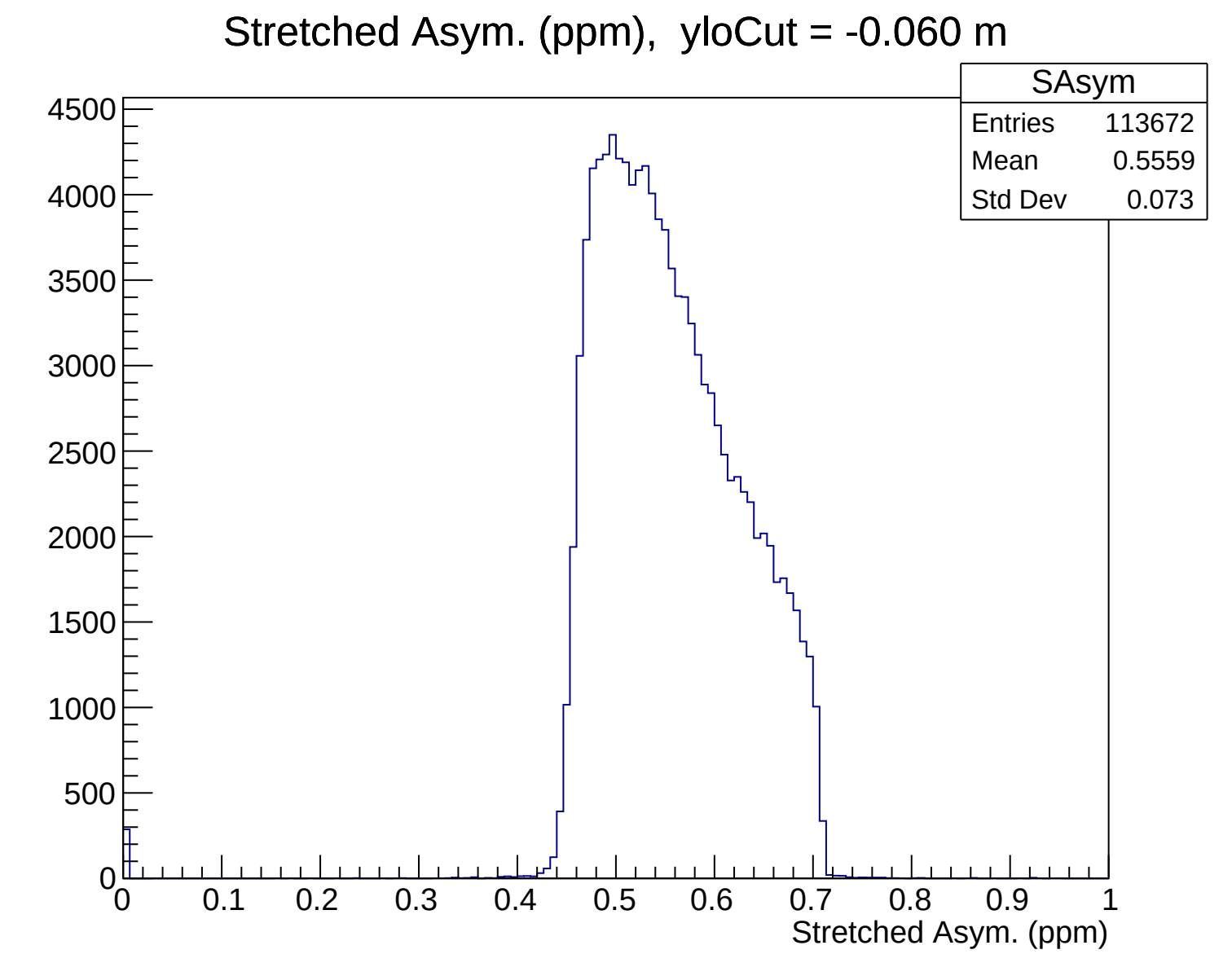

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.060
L.tr.y[0]+1.3*L.tr.ph[0] (m)

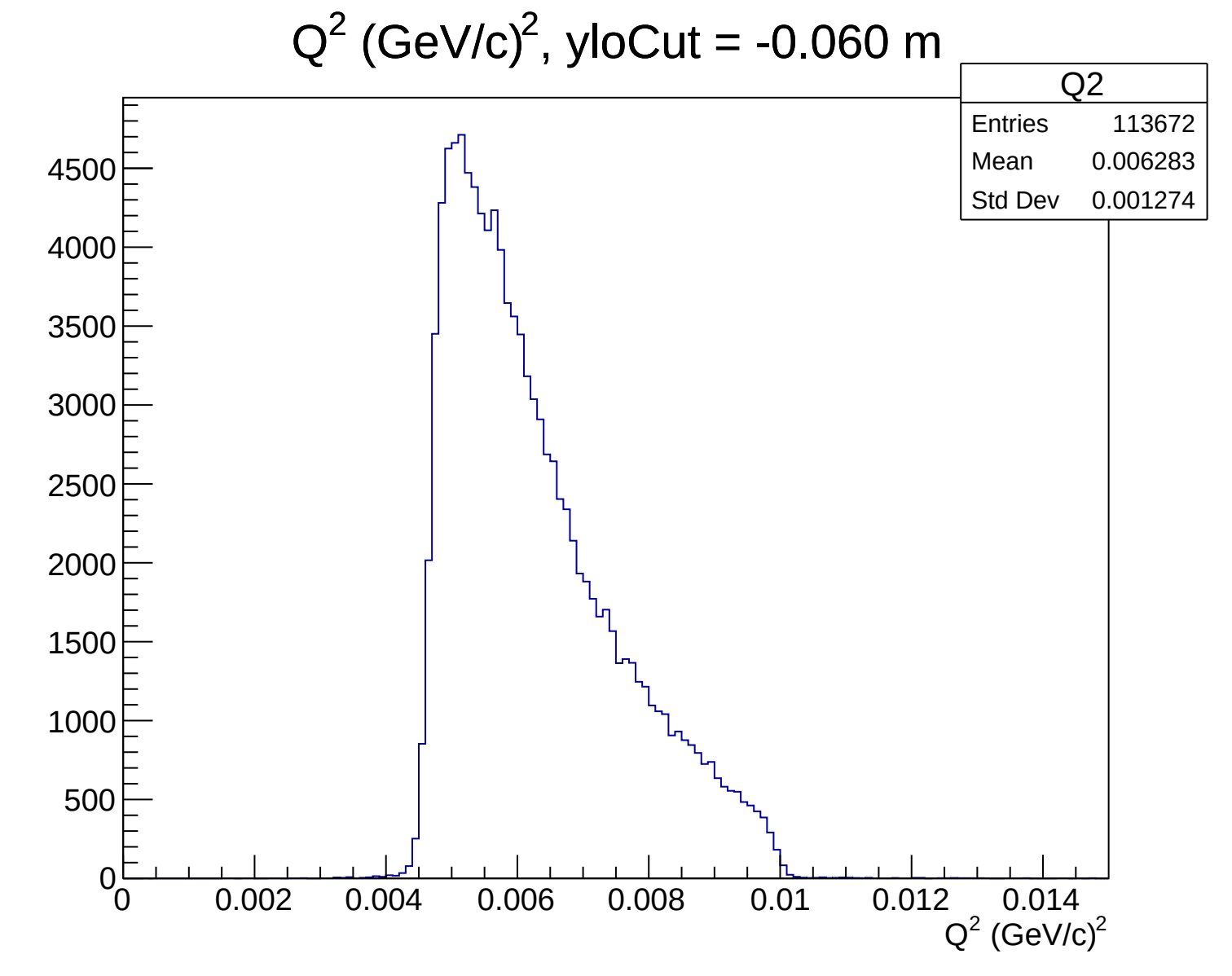

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

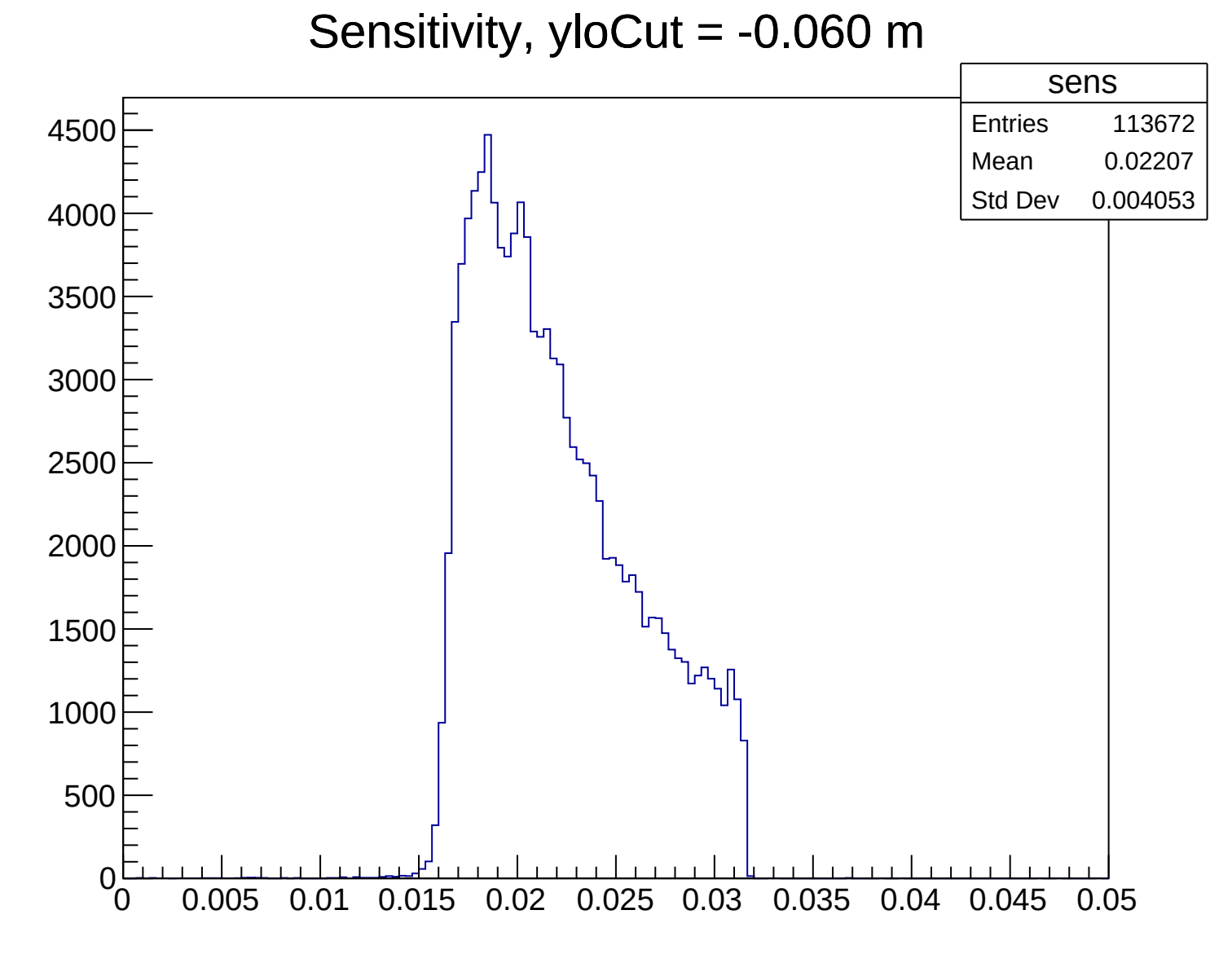

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

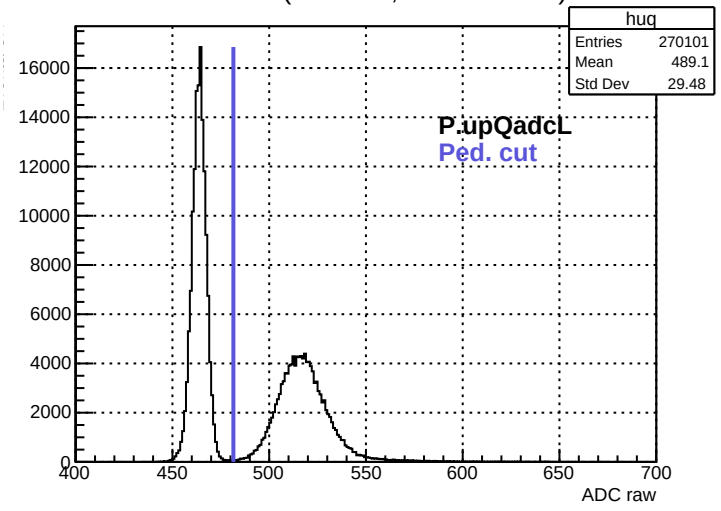

θlab (deg), yloCut = -0.060 m
Theta
Entries 113672
Mean 4.768
Std Dev 0.4716
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

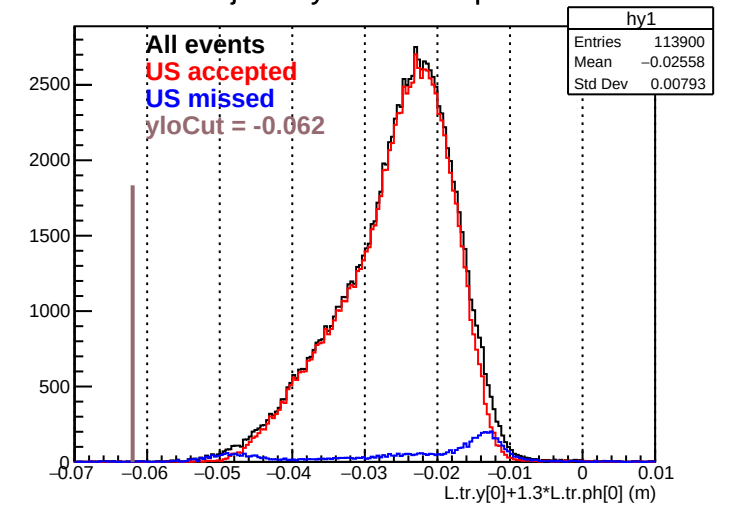

Asymmetry (ppm), yloCut = -0.060 m
Asym
Entries 113672
Mean 0.5687
Std Dev 0.07694
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

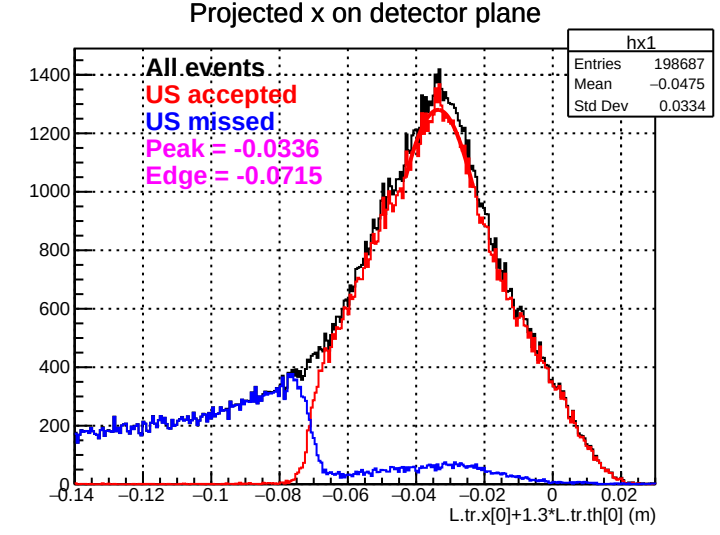

Stretched Asym. (ppm), yloCut = -0.060 m
SAsym
Entries 113672
Mean 0.5559
Std Dev 0.073
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

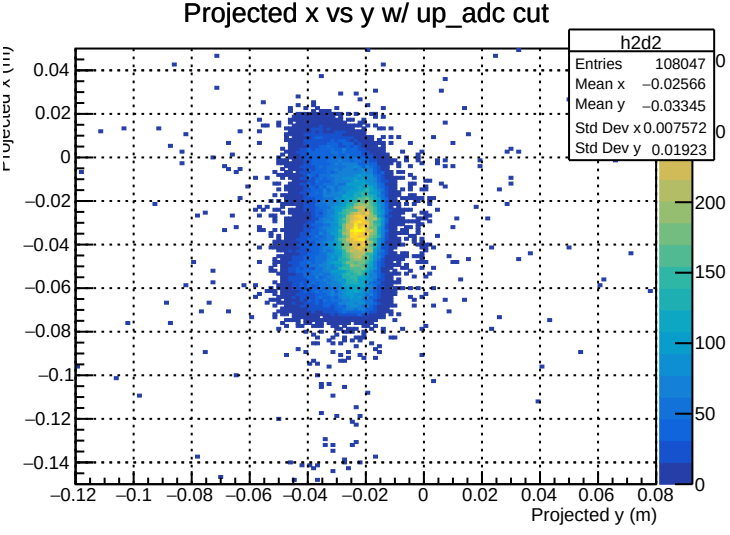

Q^2 (GeV/c)^2, yloCut = -0.060 m
Q2
Entries 113672
Mean 0.006283
Std Dev 0.001274
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

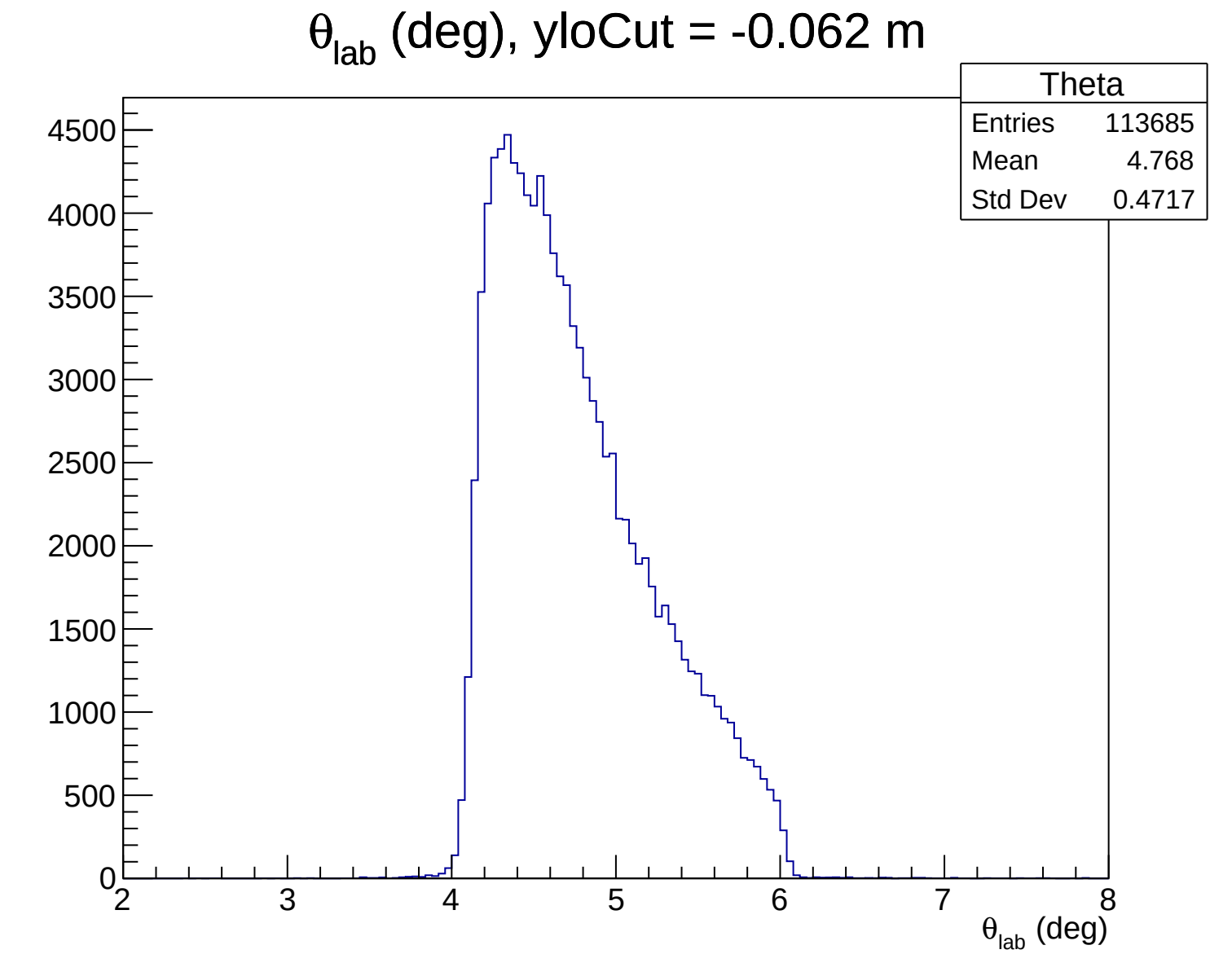

Sensitivity, yloCut = -0.060 m
sens
Entries 113672
Mean 0.02207
Std Dev 0.004053
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

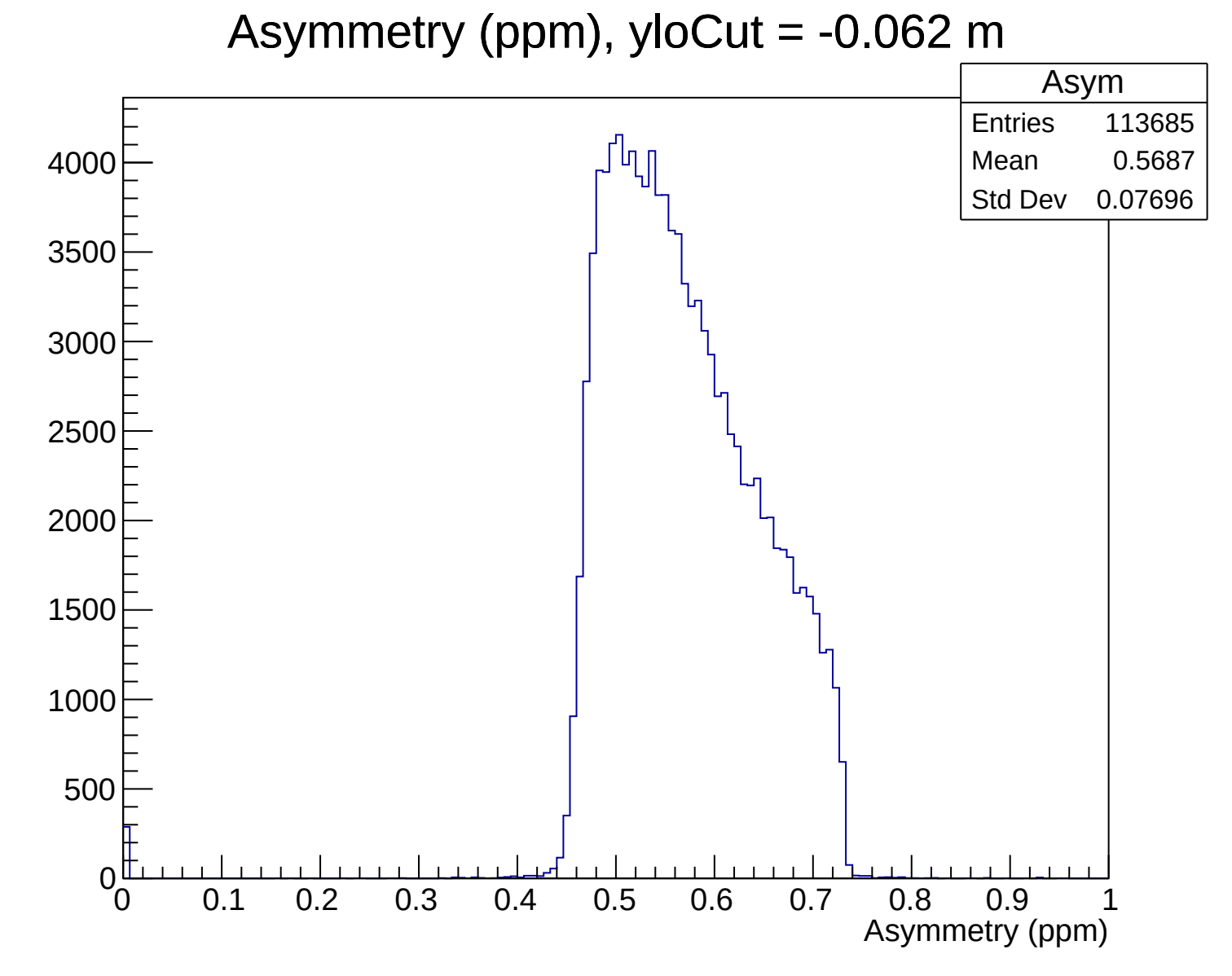

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

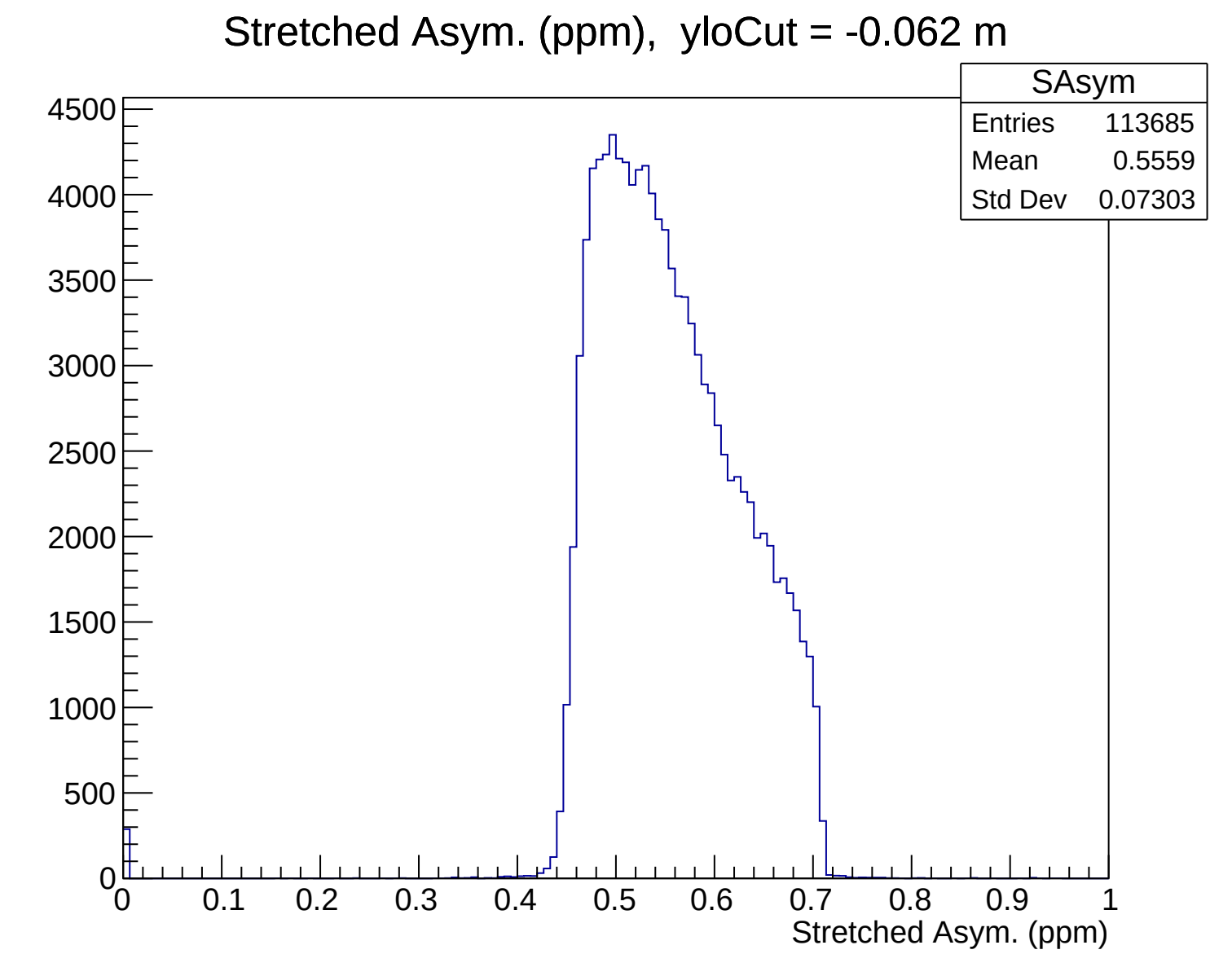

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.062
L.tr.y[0]+1.3*L.tr.ph[0] (m)

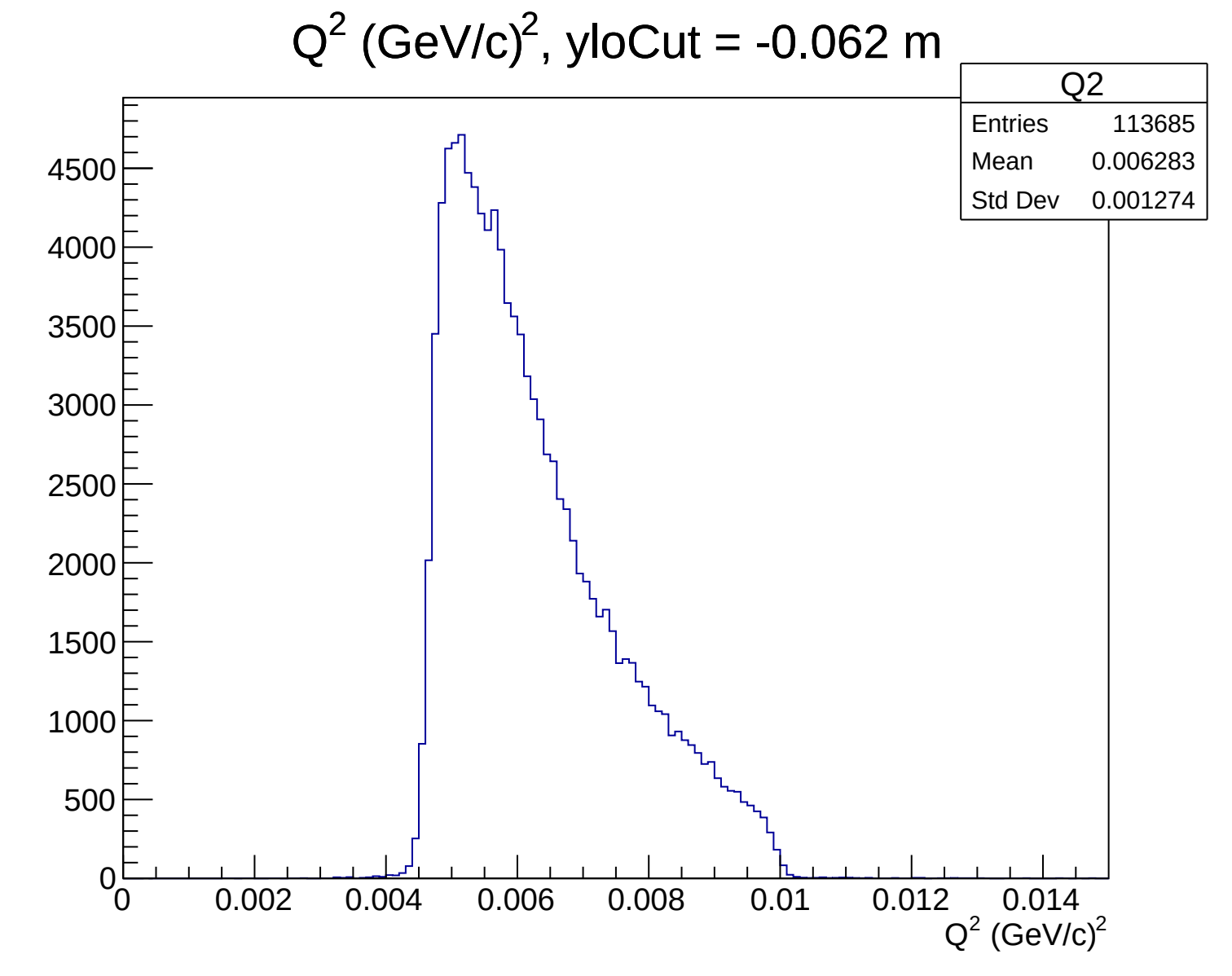

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

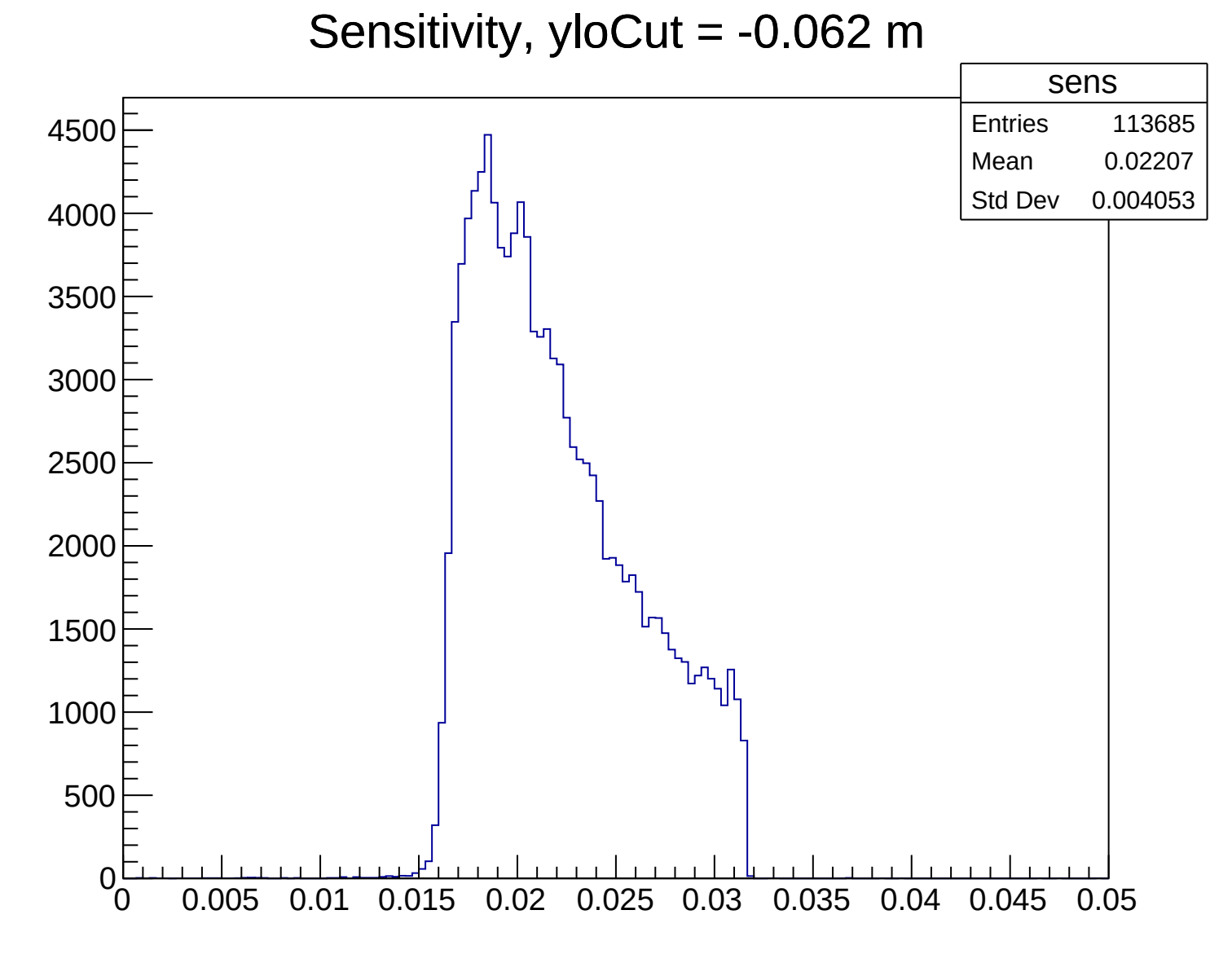

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

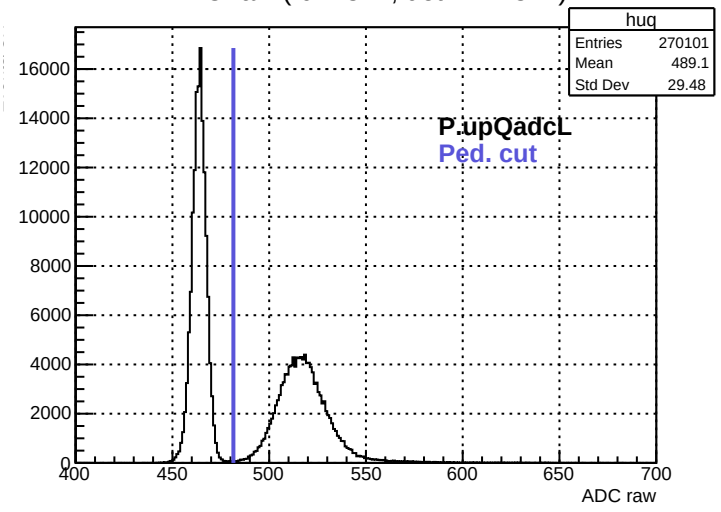

θlab (deg), yloCut = -0.062 m
Theta
Entries 113685
Mean 4.768
Std Dev 0.4717
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

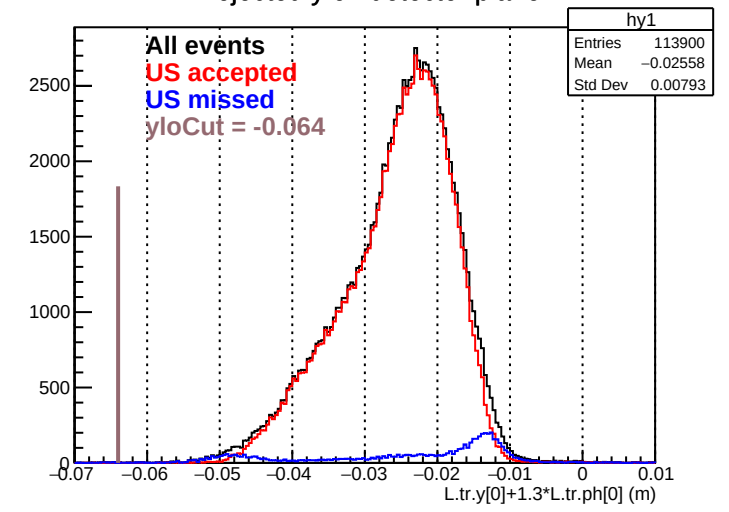

Asymmetry (ppm), yloCut = -0.062 m
Asym
Entries 113685
Mean 0.5687
Std Dev 0.07696
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

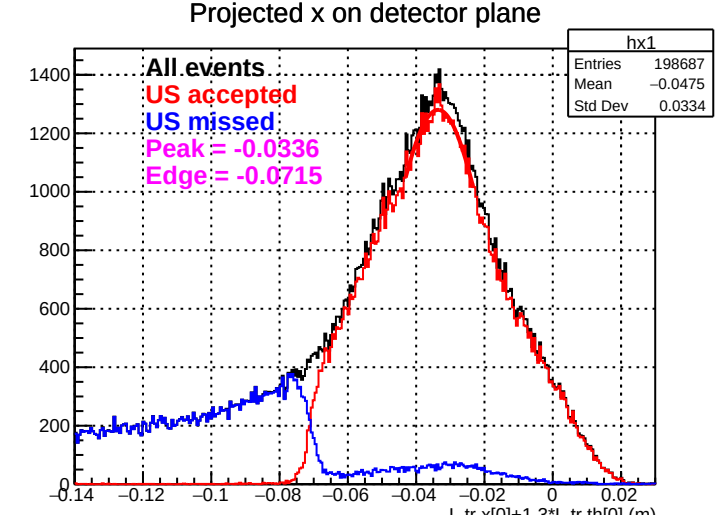

Stretched Asym. (ppm), yloCut = -0.062 m
SAsym
Entries 113685
Mean 0.5559
Std Dev 0.07303
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

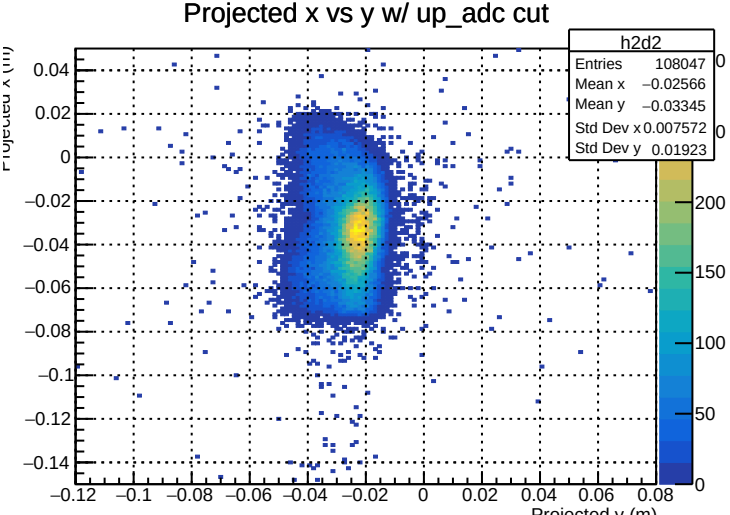

Q^2 (GeV/c)^2, yloCut = -0.062 m
Q2
Entries 113685
Mean 0.006283
Std Dev 0.001274
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

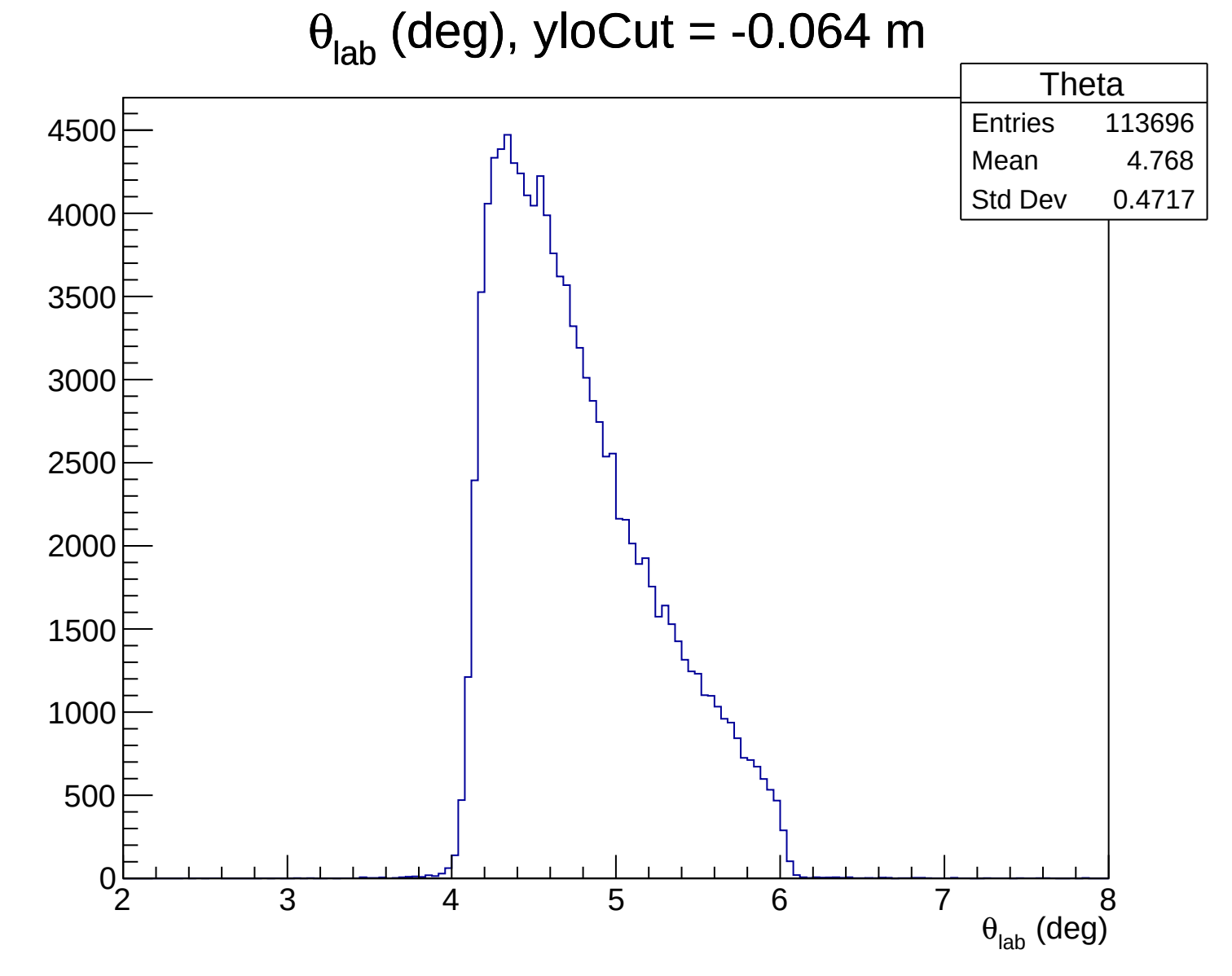

Sensitivity, yloCut = -0.062 m
sens
Entries 113685
Mean 0.02207
Std Dev 0.004053
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

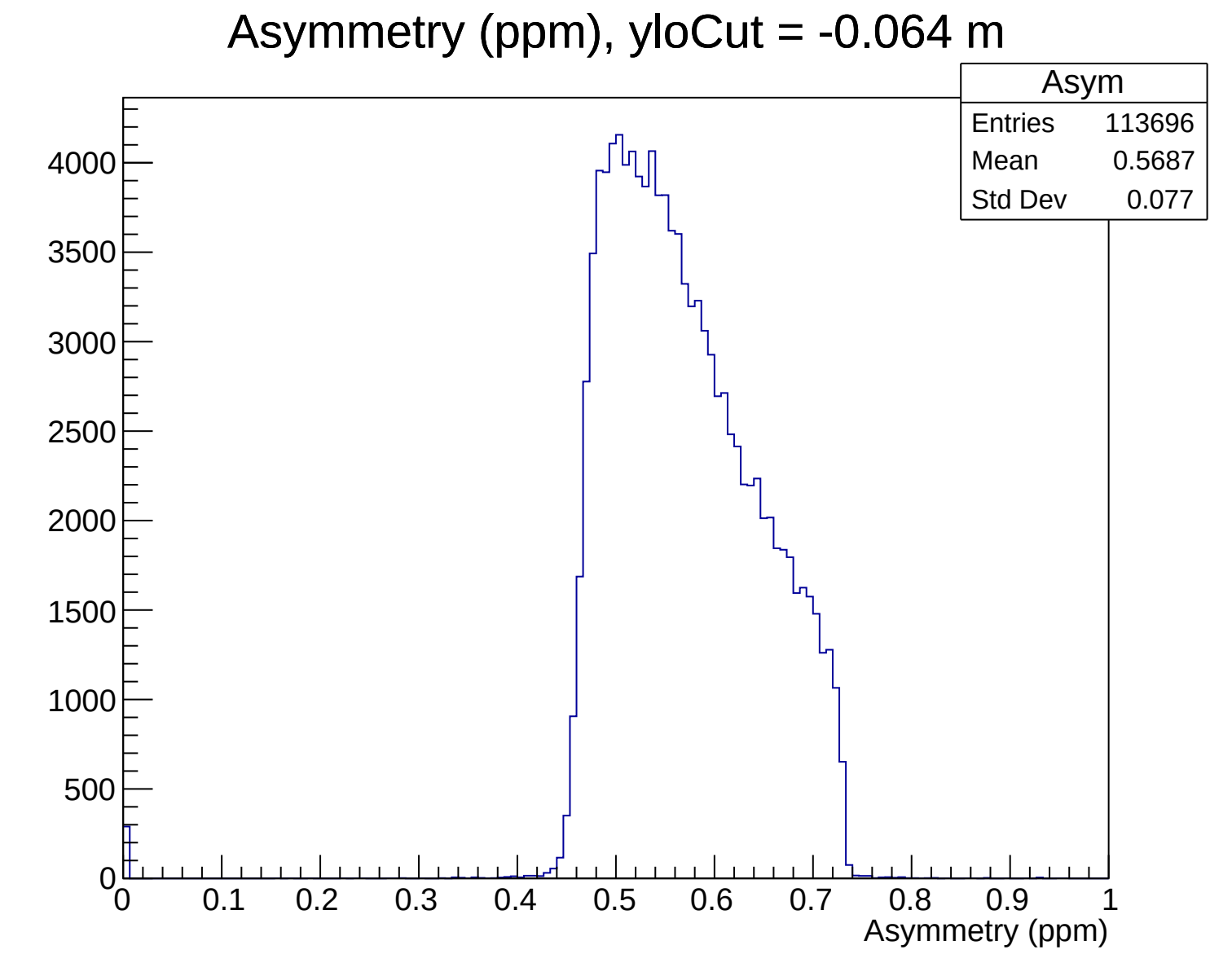

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

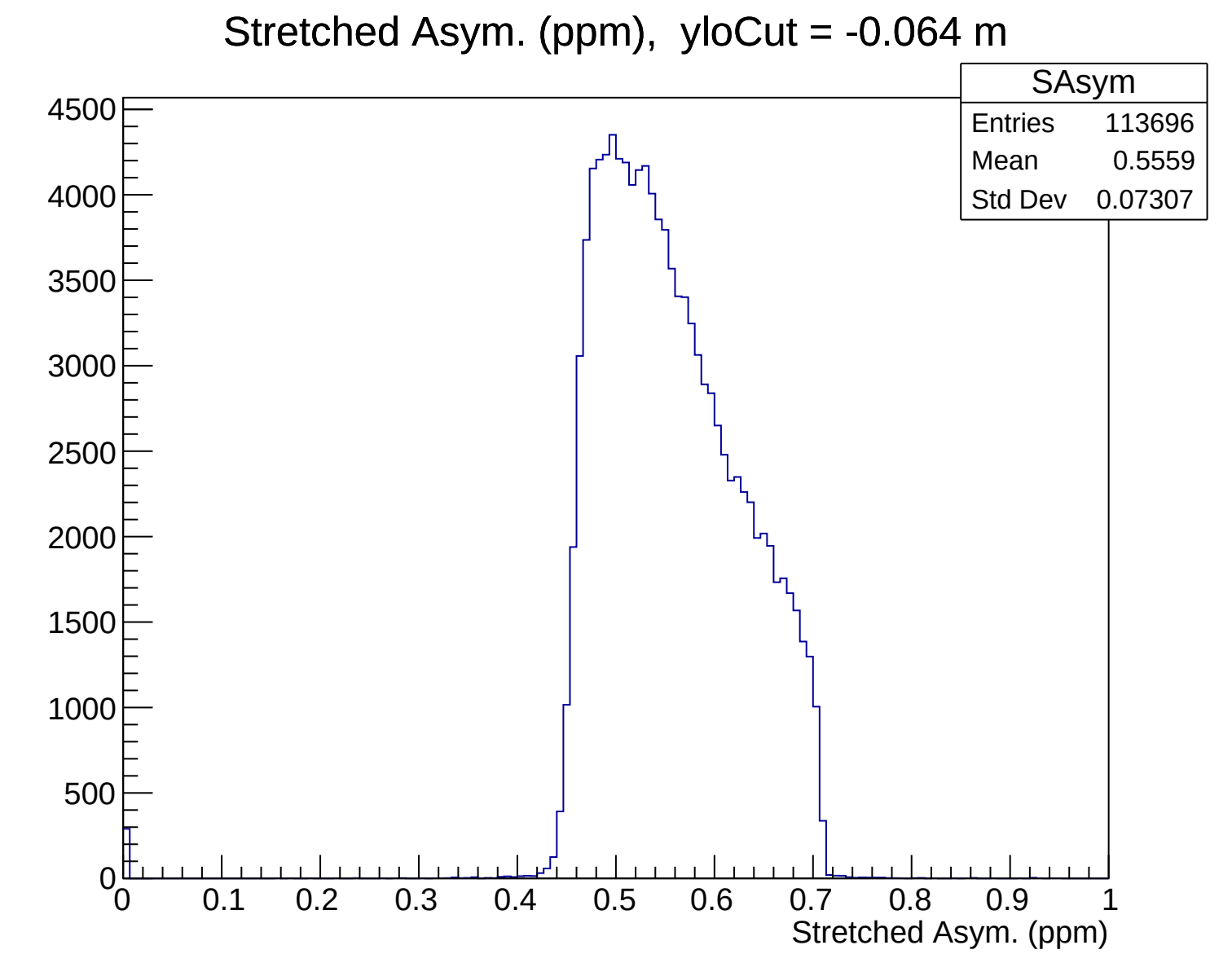

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.064
L.tr.y[0]+1.3*L.tr.ph[0] (m)

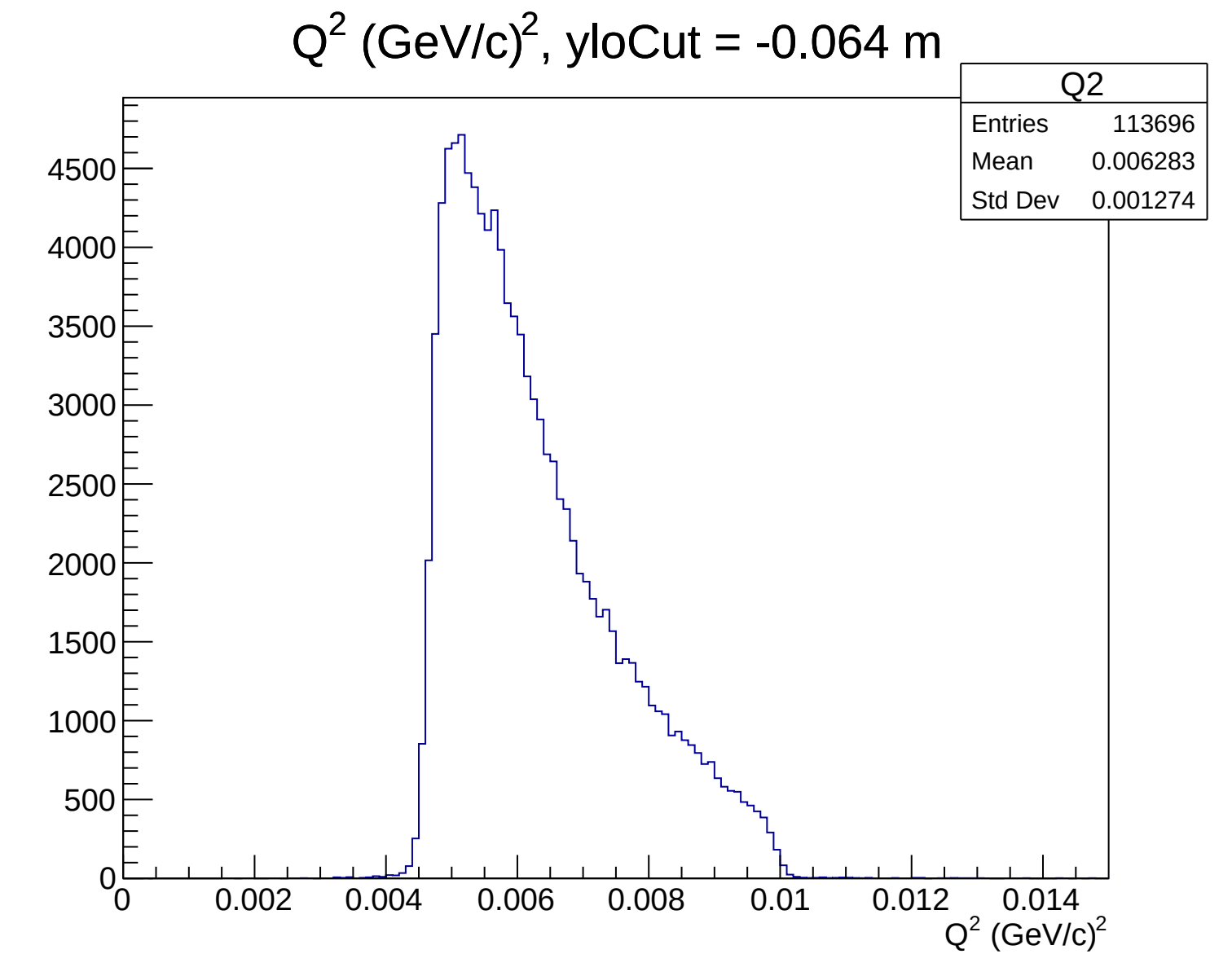

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

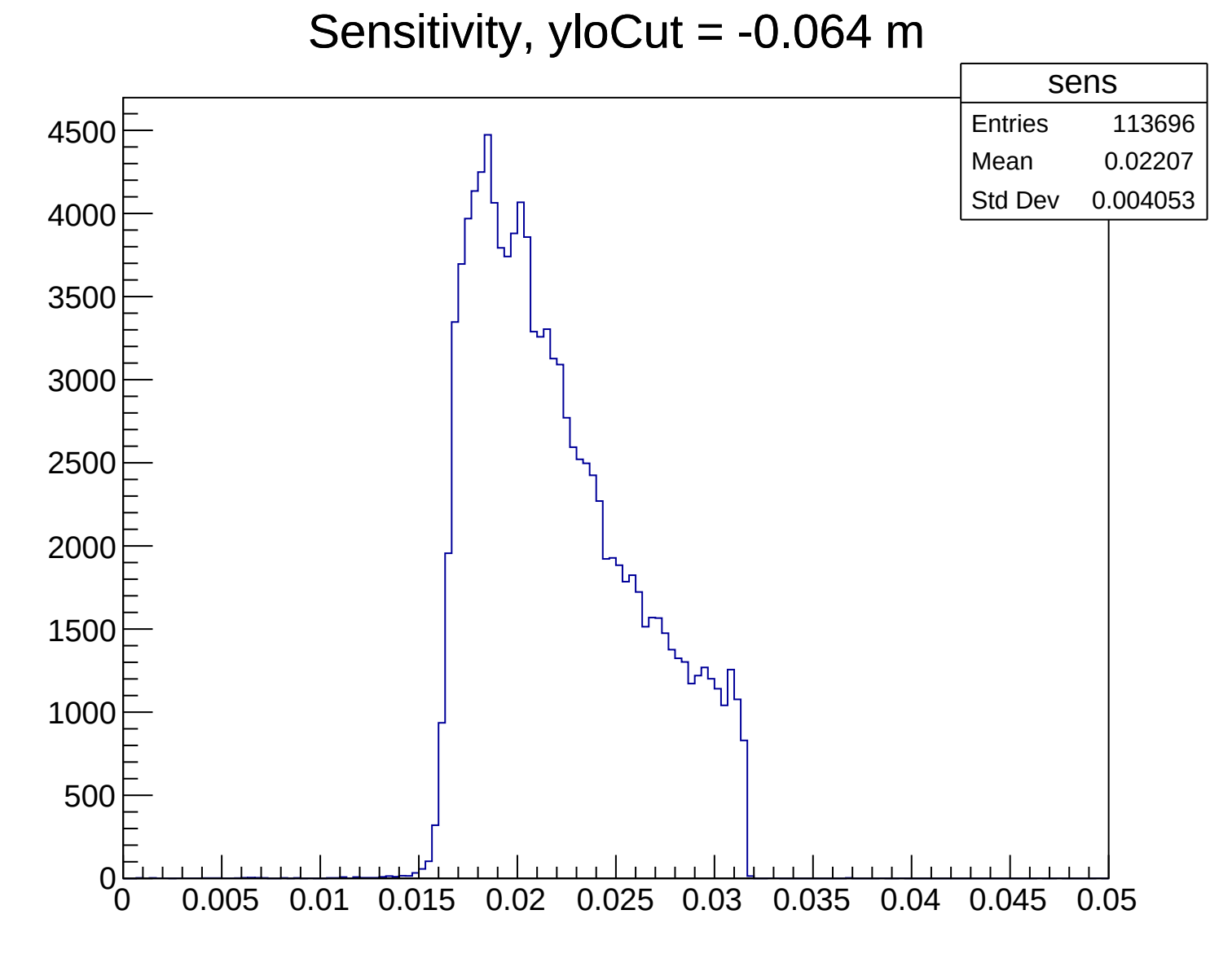

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

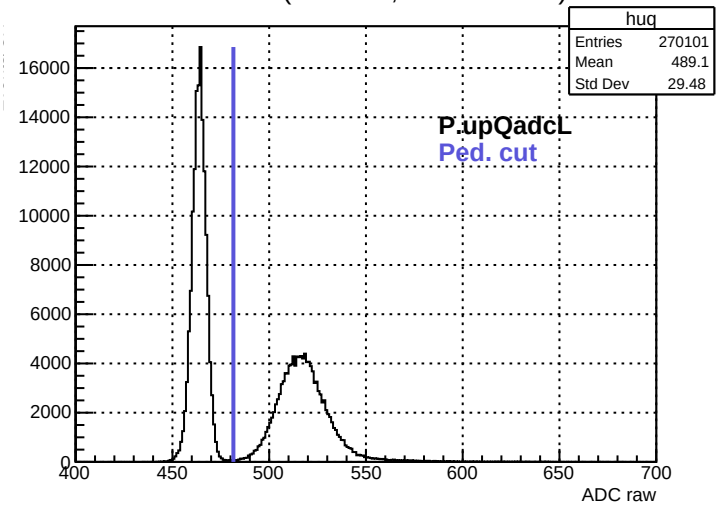

θlab (deg), yloCut = -0.064 m
Theta
Entries 113696
Mean 4.768
Std Dev 0.4717
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

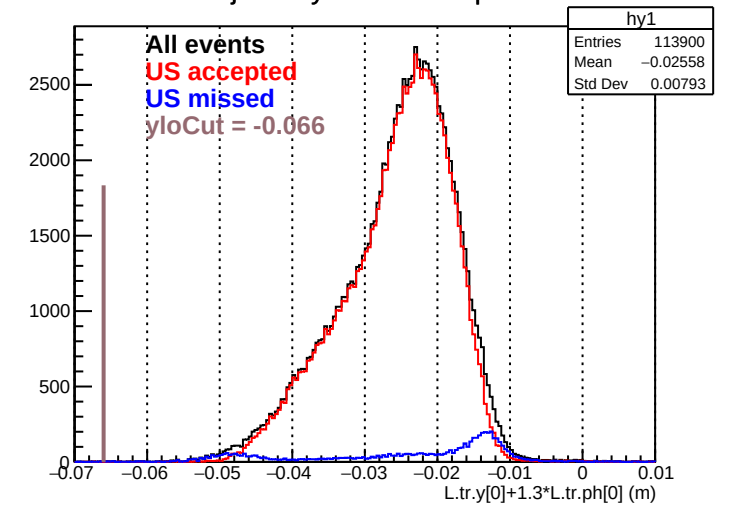

Asymmetry (ppm), yloCut = -0.064 m
Asym
Entries 113696
Mean 0.5687
Std Dev 0.077
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

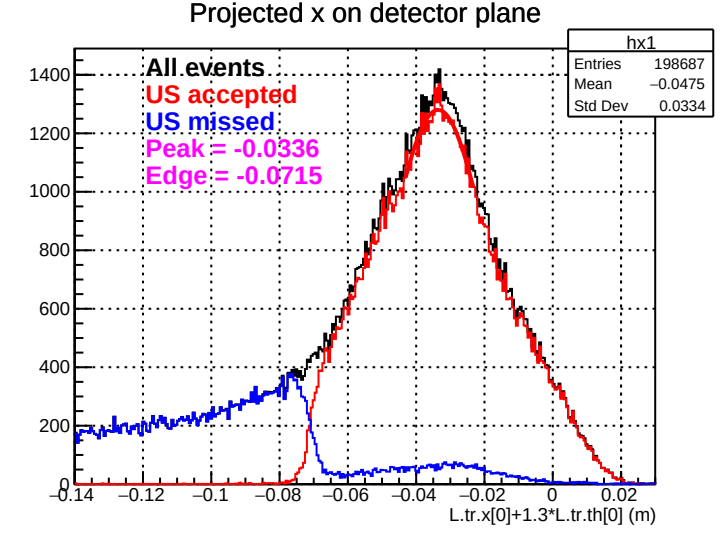

Stretched Asym. (ppm), yloCut = -0.064 m
SAsym
Entries 113696
Mean 0.5559
Std Dev 0.07307
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

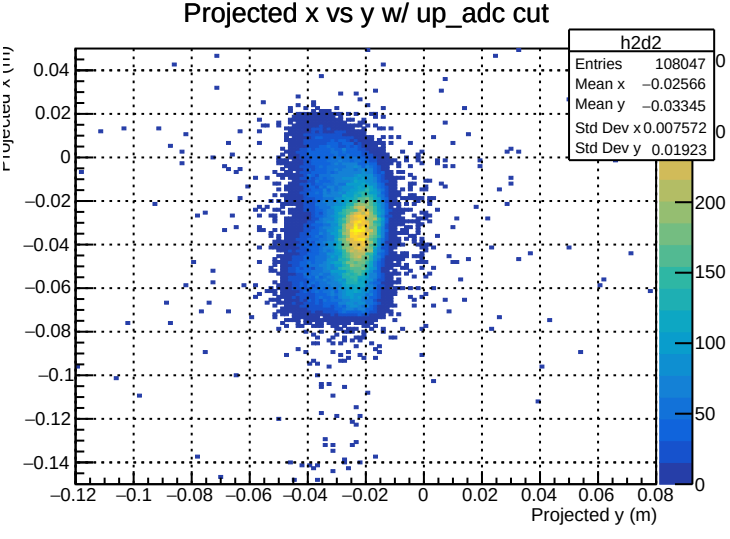

Q^2 (GeV/c)^2, yloCut = -0.064 m
Q2
Entries 113696
Mean 0.006283
Std Dev 0.001274
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

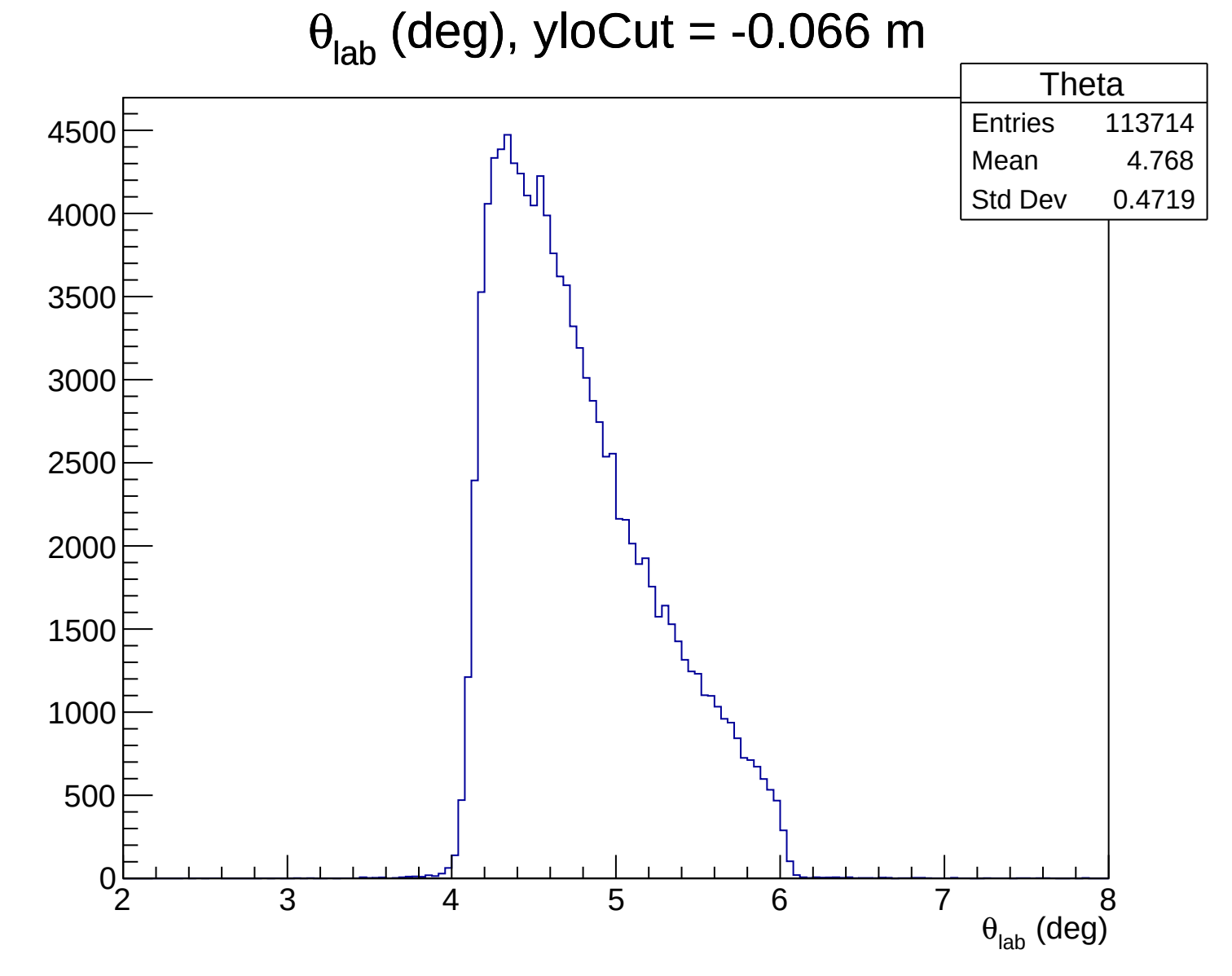

Sensitivity, yloCut = -0.064 m
sens
Entries 113696
Mean 0.02207
Std Dev 0.004053
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

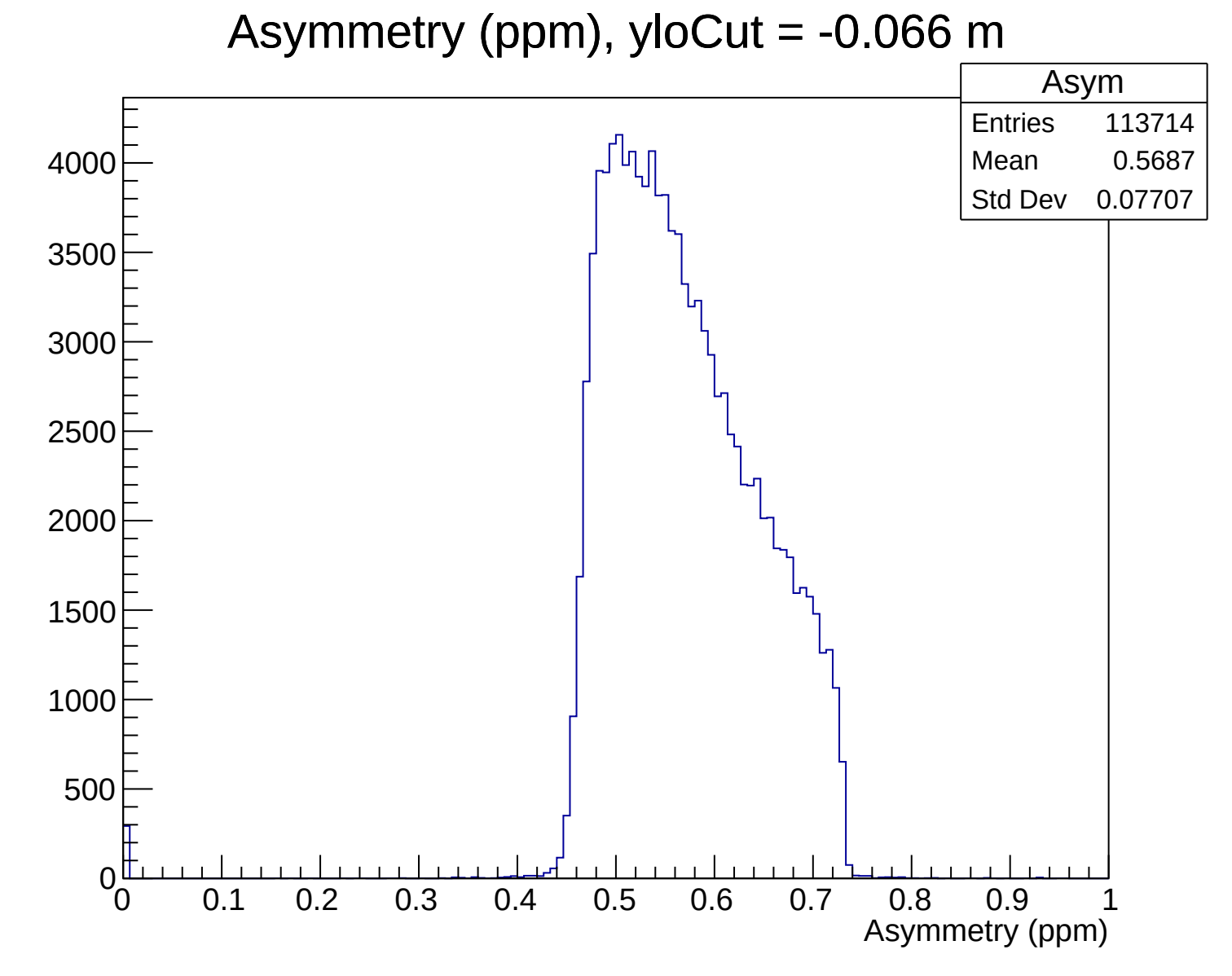

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

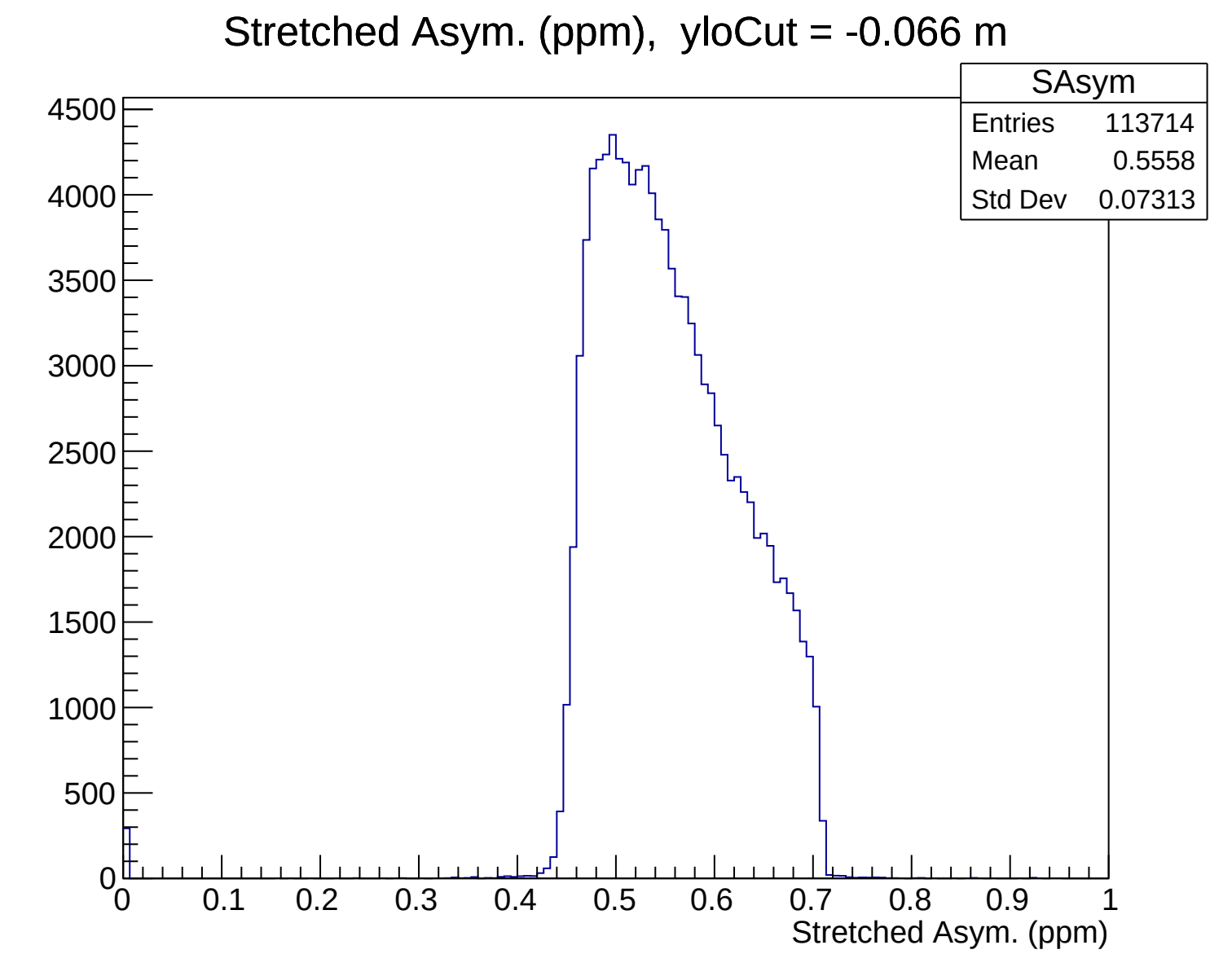

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.066
L.tr.y[0]+1.3*L.tr.ph[0] (m)

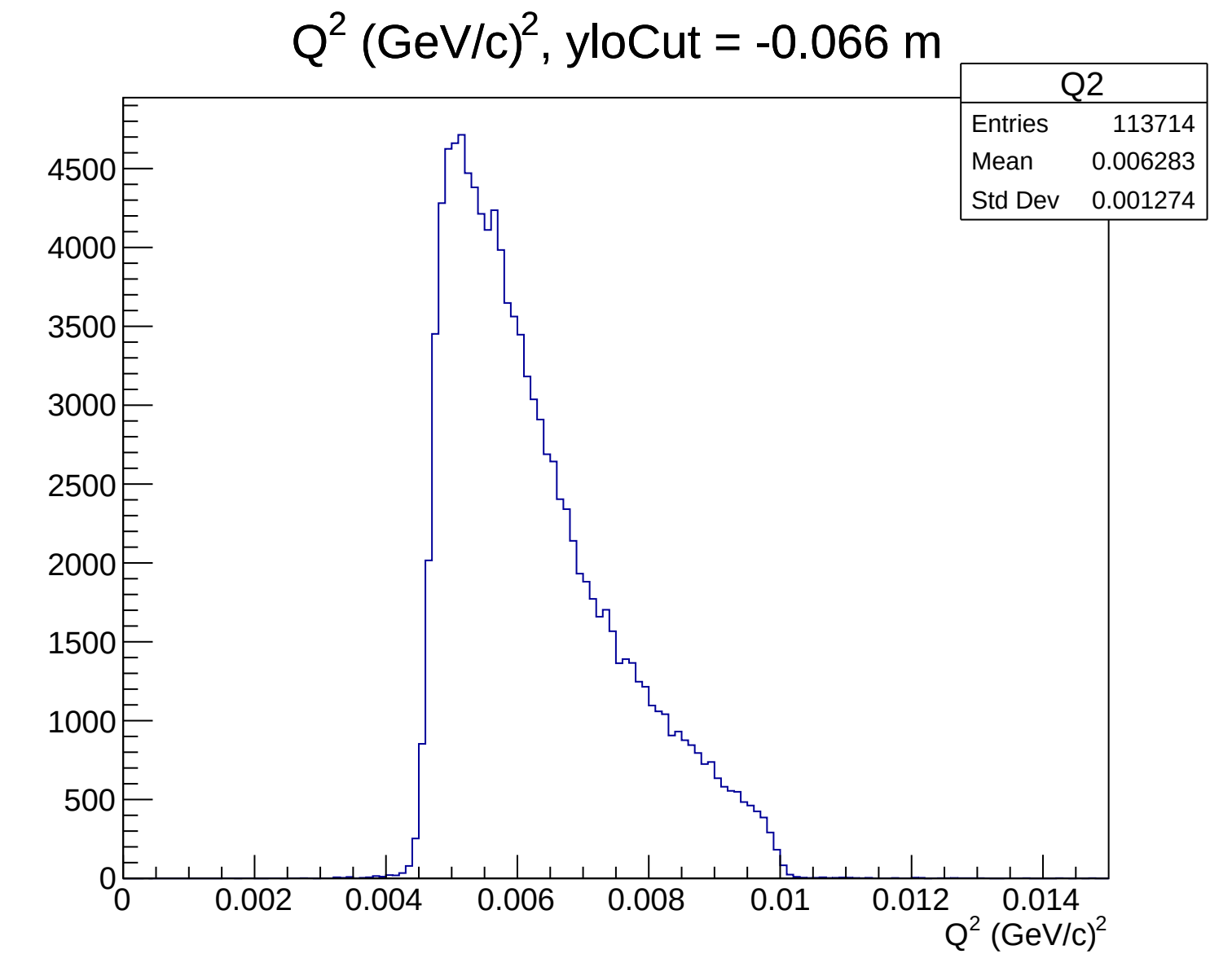

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

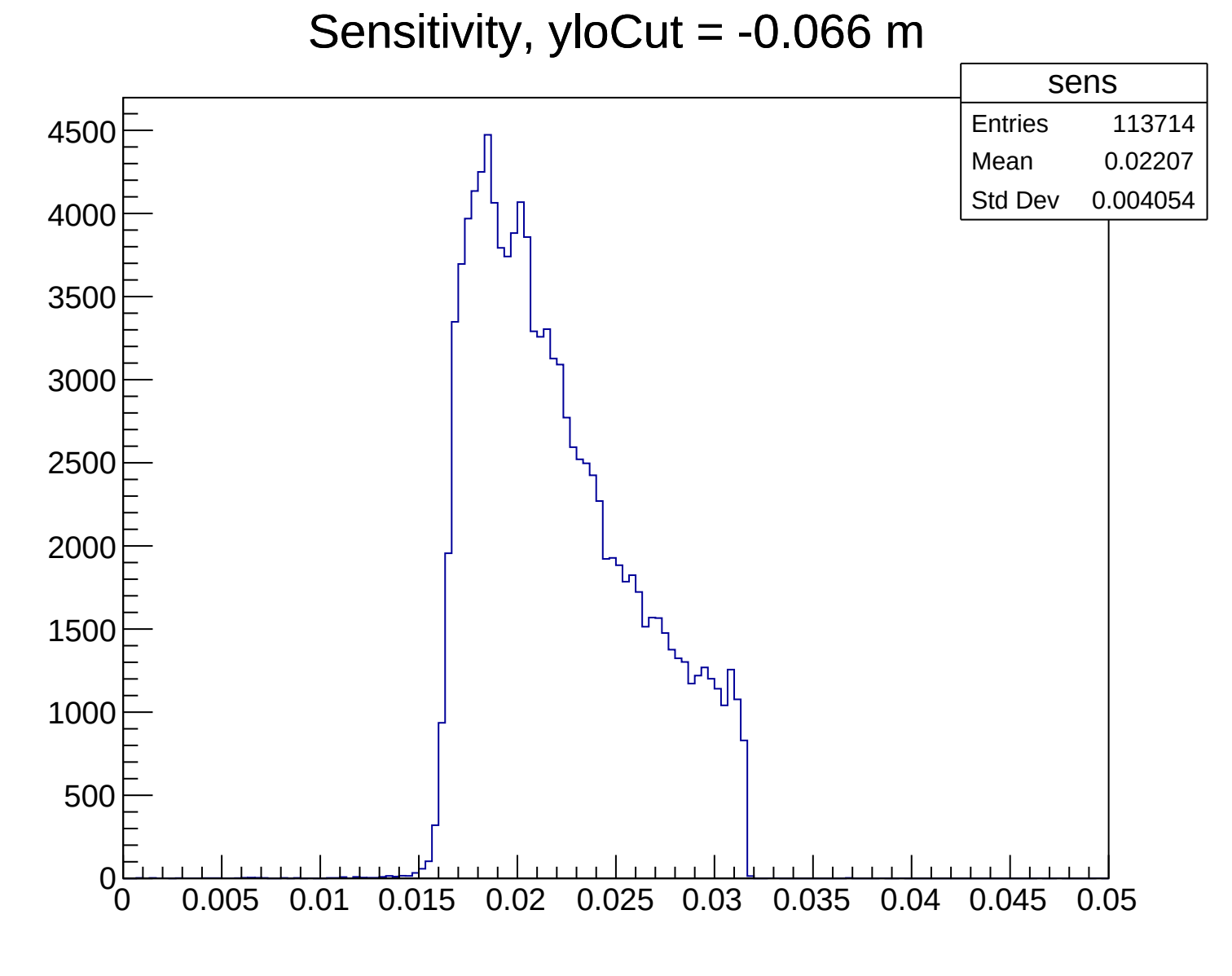

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

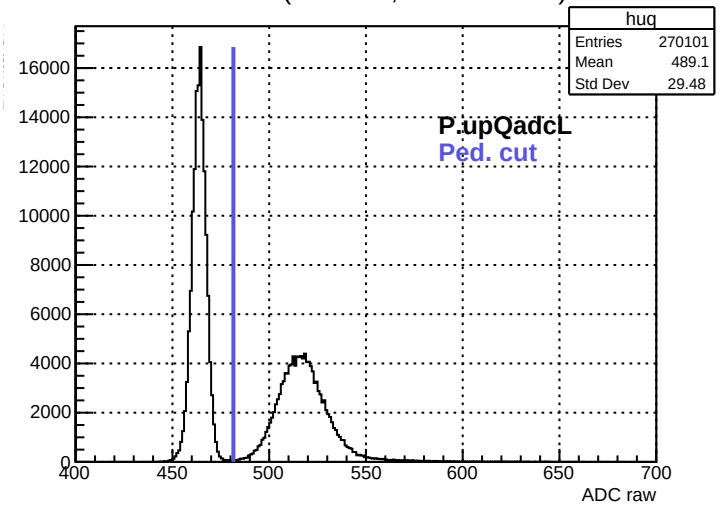

θlab (deg), yloCut = -0.066 m
Theta
Entries 113714
Mean 4.768
Std Dev 0.4719
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

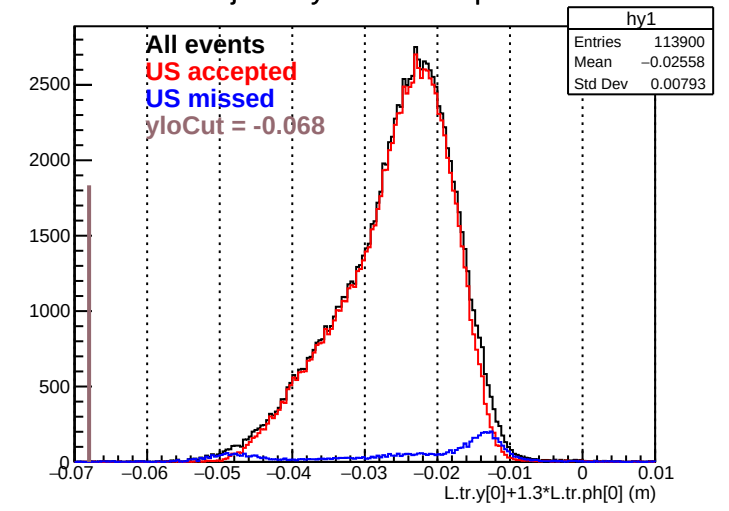

Asymmetry (ppm), yloCut = -0.066 m
Asym
Entries 113714
Mean 0.5687
Std Dev 0.07707
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

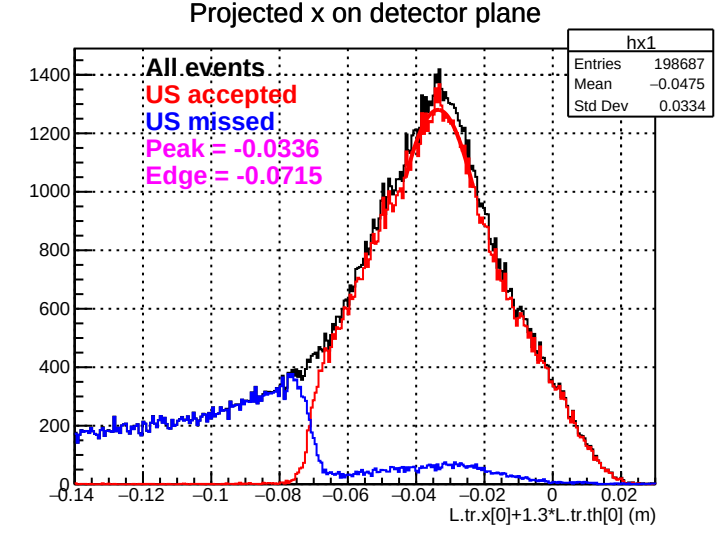

Stretched Asym. (ppm), yloCut = -0.066 m
SAsym
Entries 113714
Mean 0.5558
Std Dev 0.07313
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

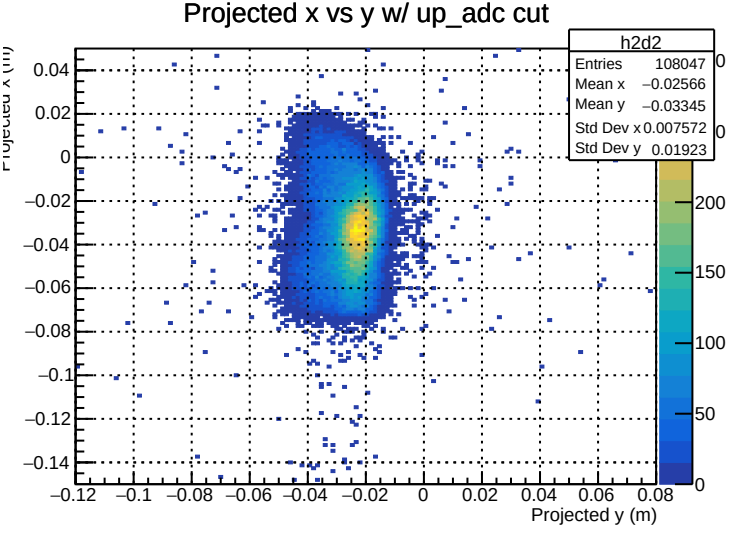

Q^2 (GeV/c)^2, yloCut = -0.066 m
Q2
Entries 113714
Mean 0.006283
Std Dev 0.001274
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

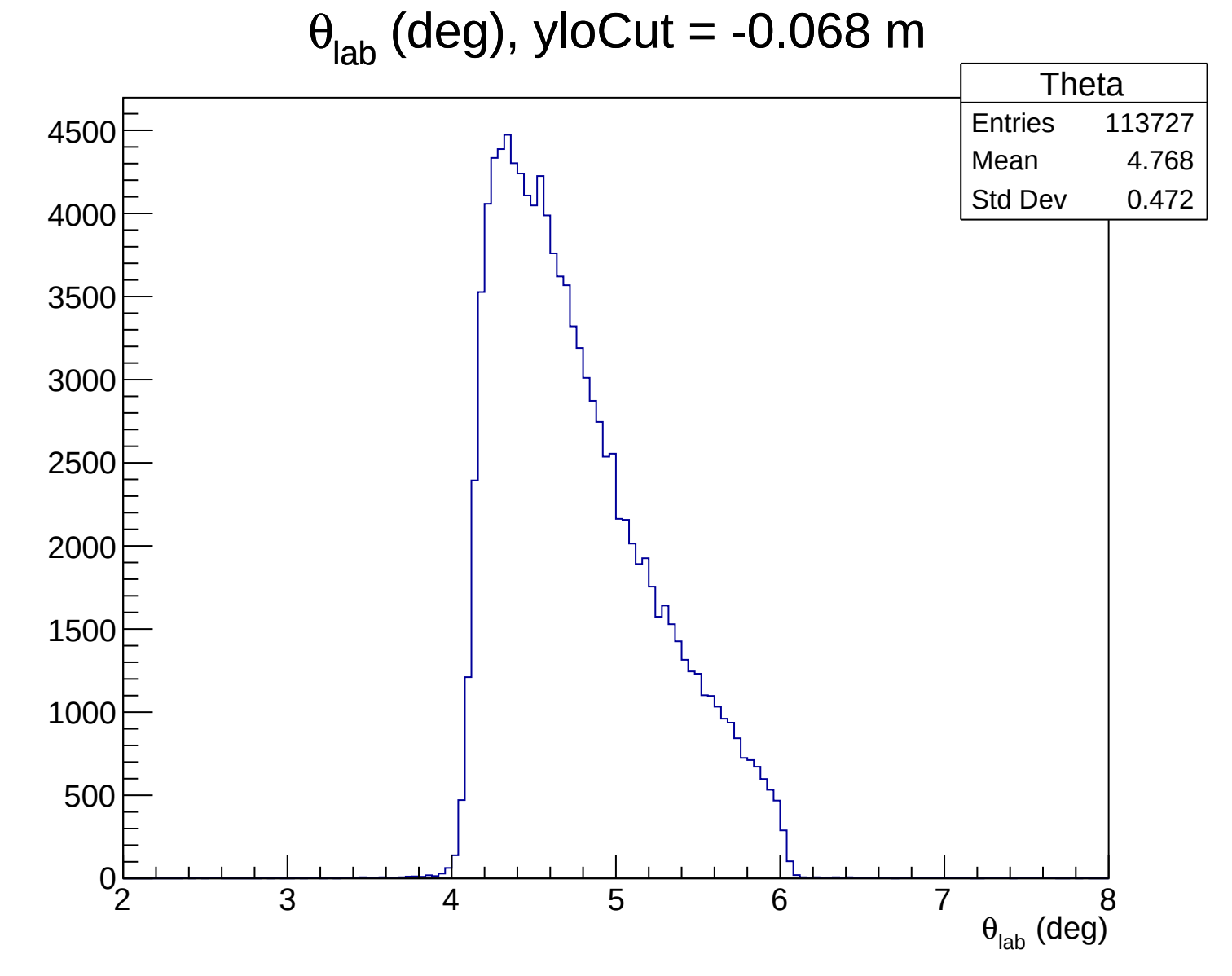

Sensitivity, yloCut = -0.066 m
sens
Entries 113714
Mean 0.02207
Std Dev 0.004054
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

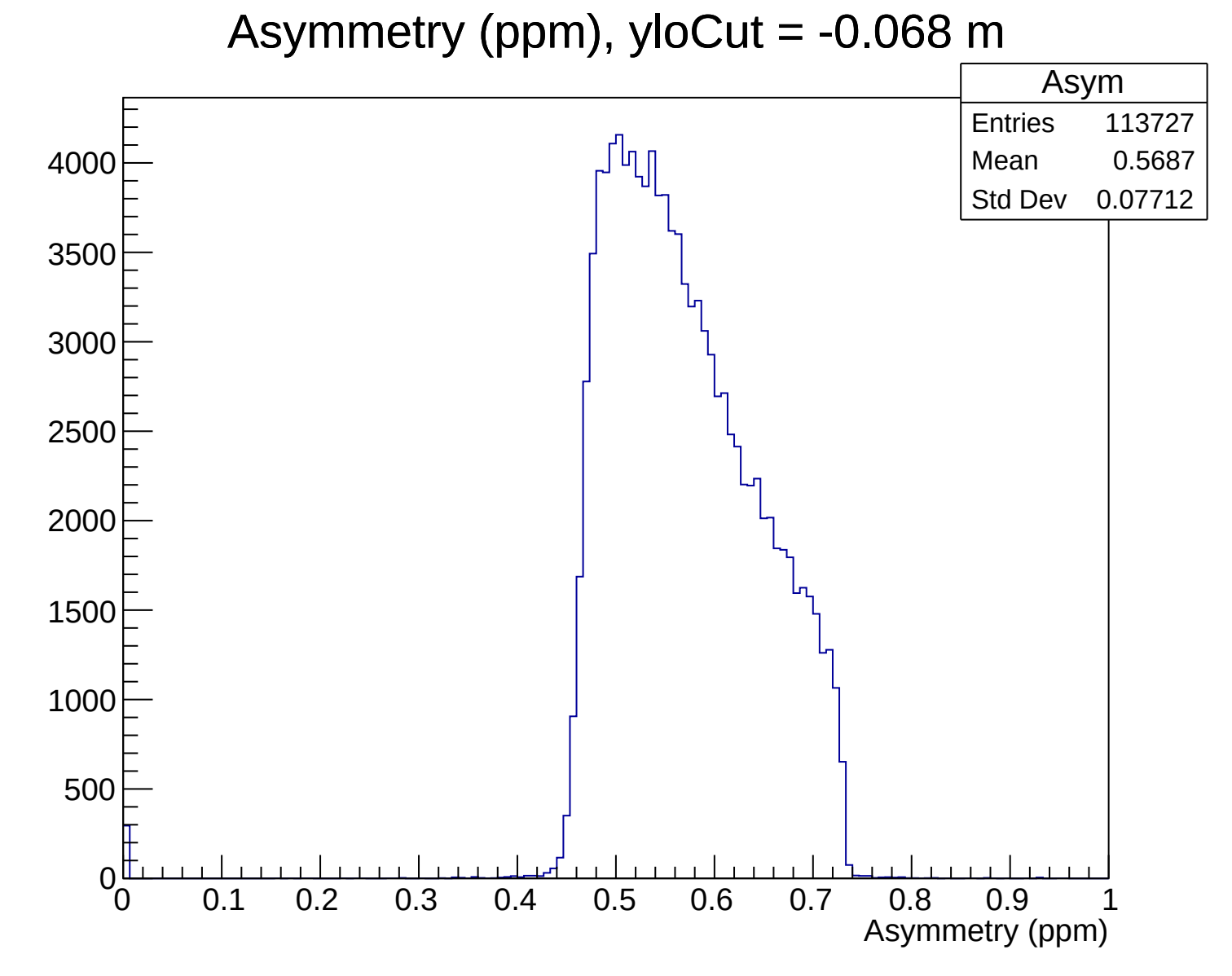

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

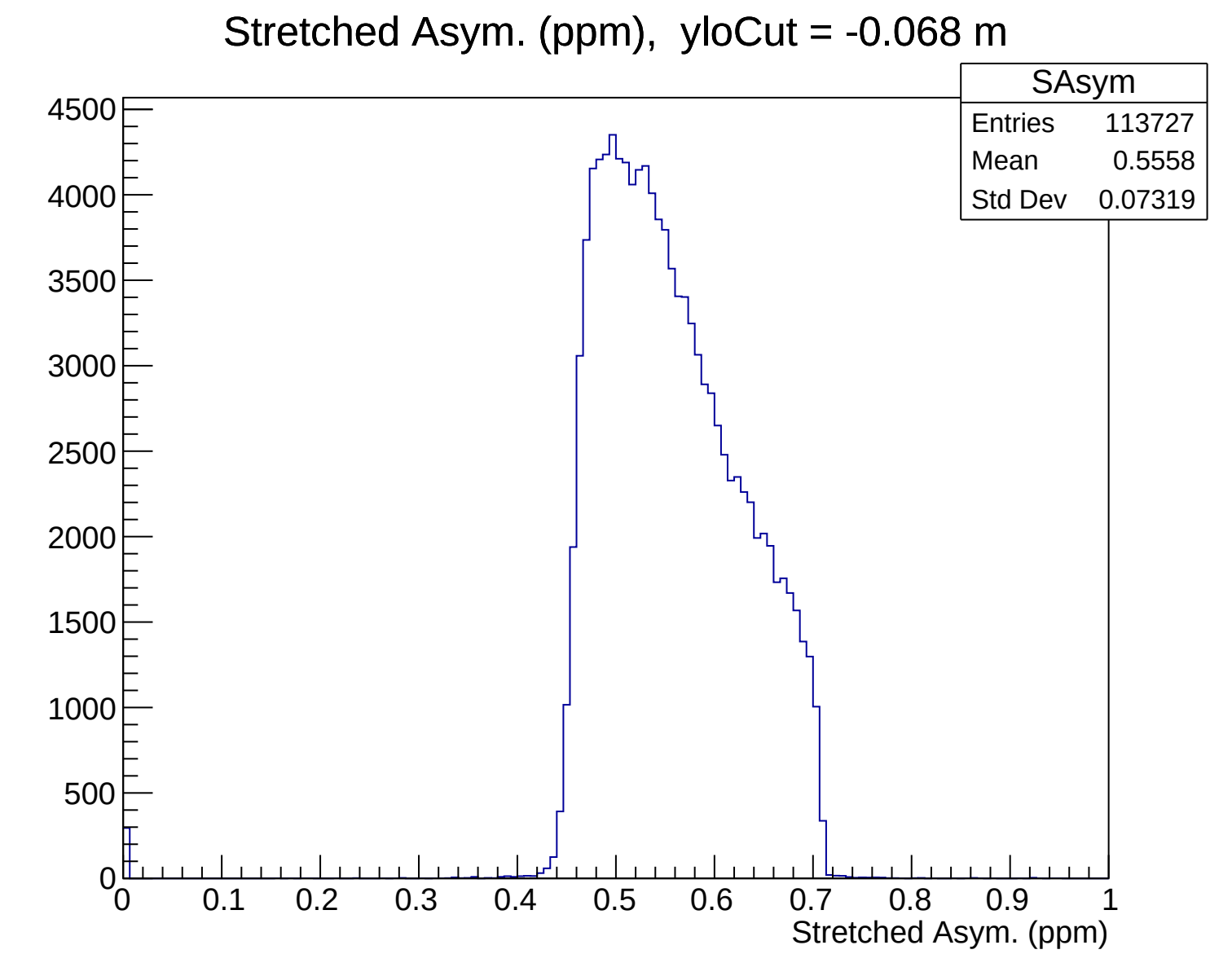

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.068
L.tr.y[0]+1.3*L.tr.ph[0] (m)

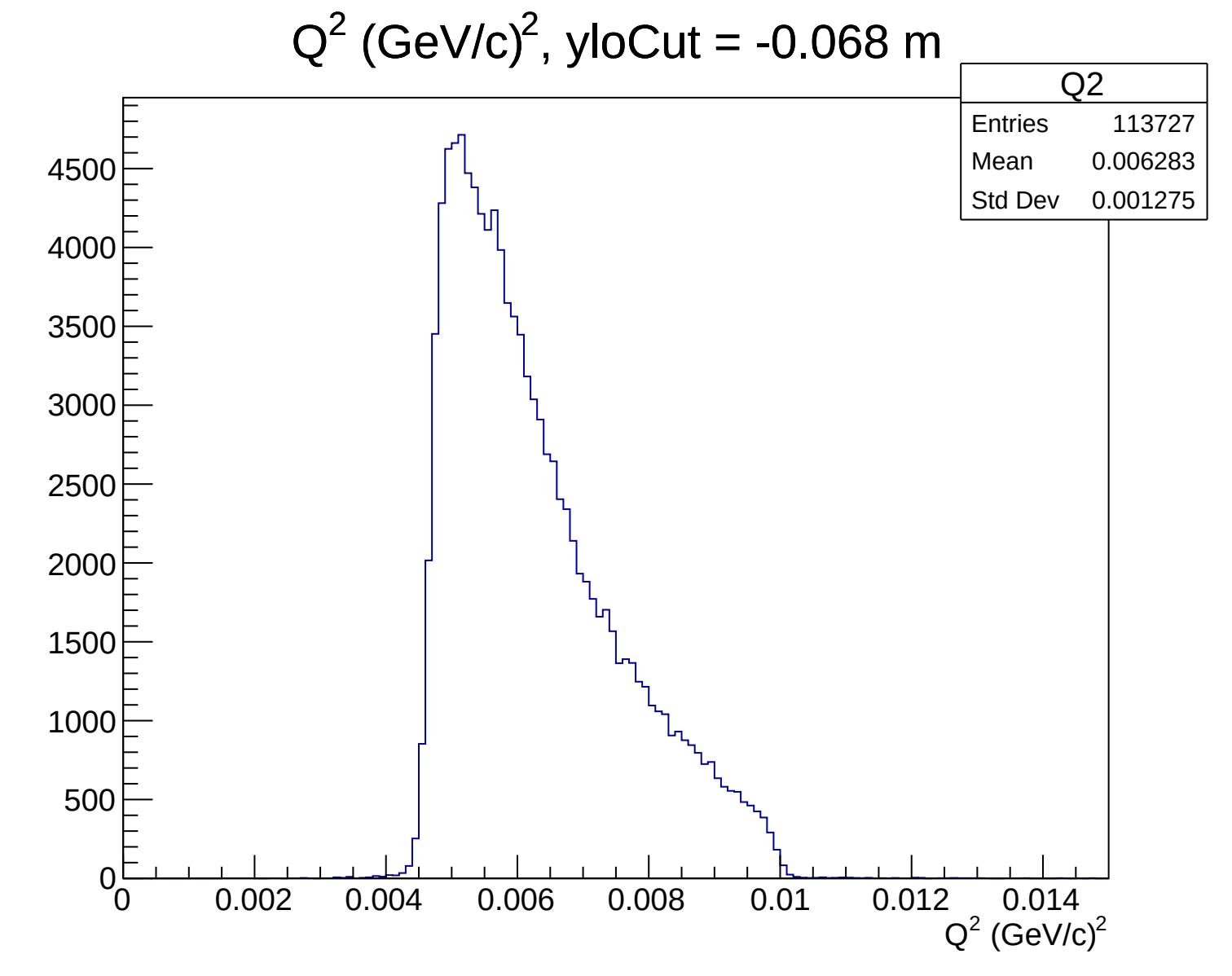

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

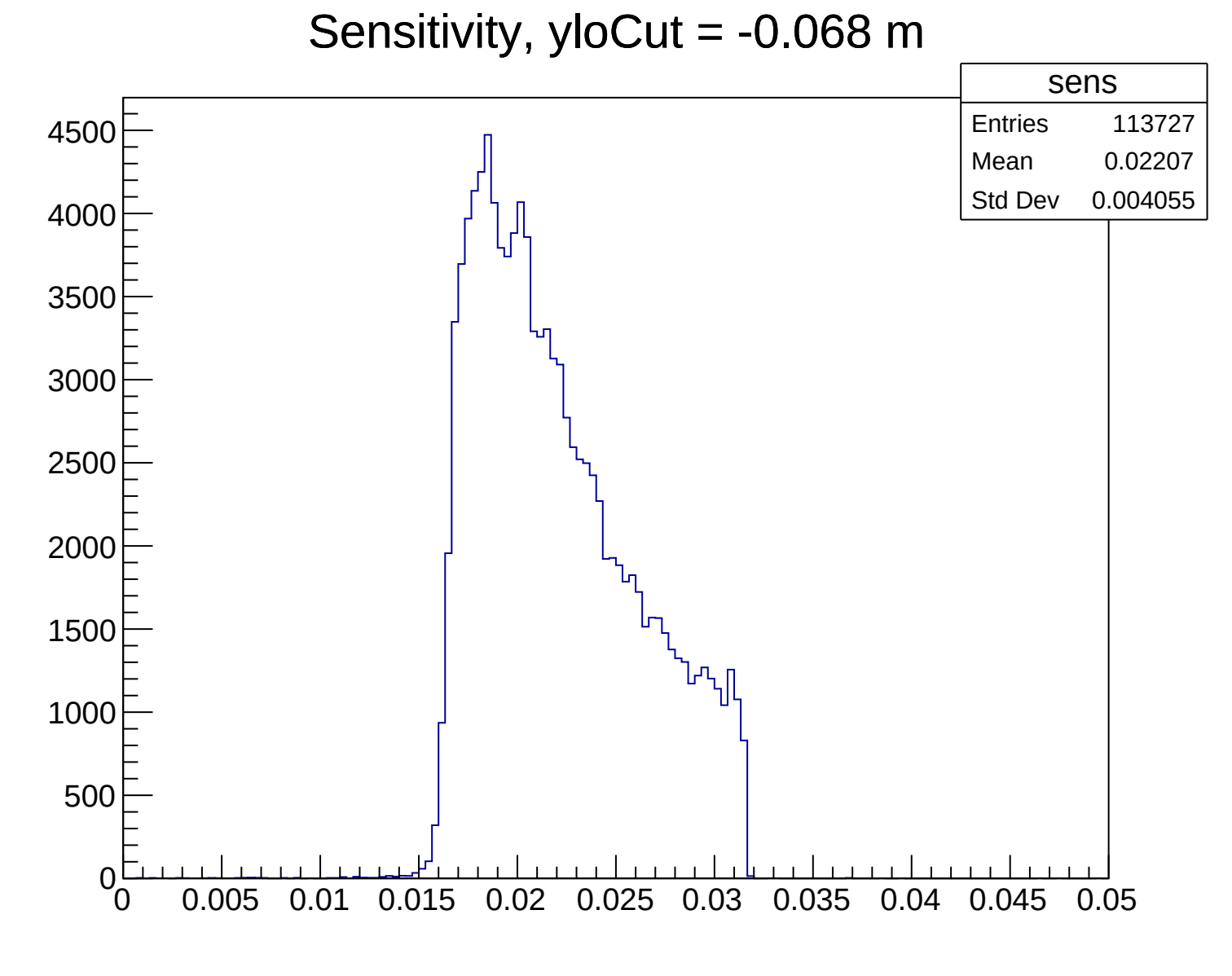

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)

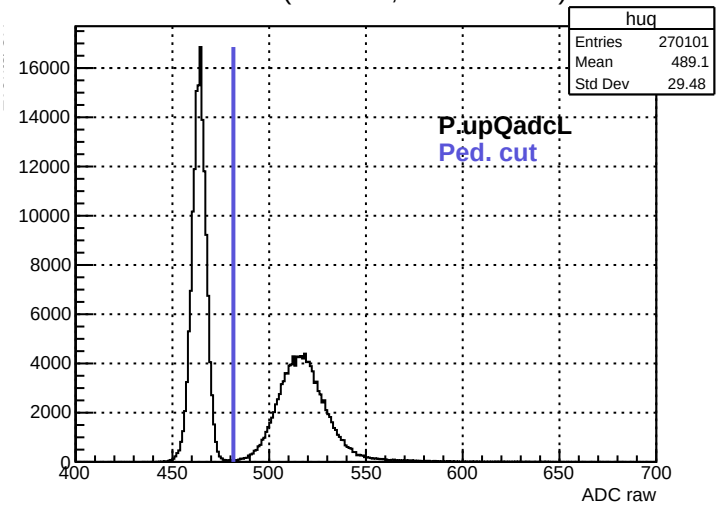

θlab (deg), yloCut = -0.068 m
Theta
Entries 113727
Mean 4.768
Std Dev 0.472
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

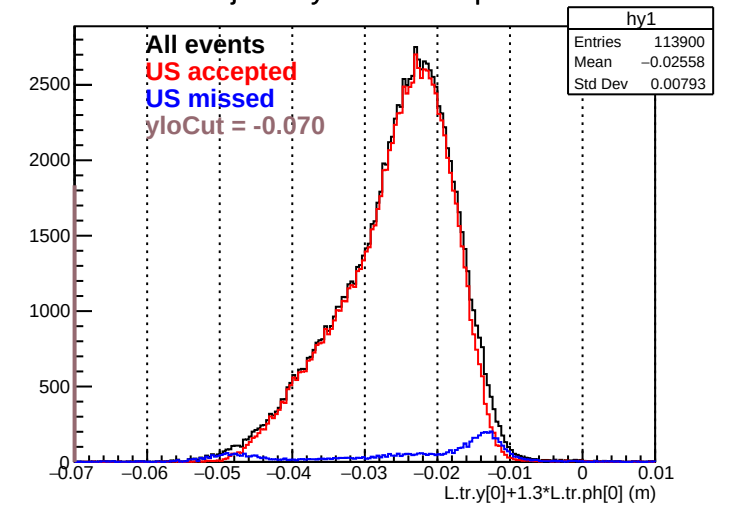

Asymmetry (ppm), yloCut = -0.068 m
Asym
Entries 113727
Mean 0.5687
Std Dev 0.07712
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

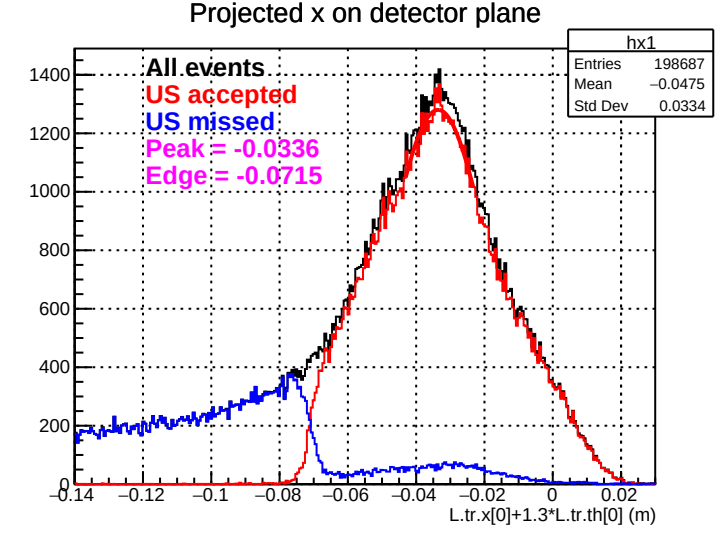

Stretched Asym. (ppm), yloCut = -0.068 m
SAsym
Entries 113727
Mean 0.5558
Std Dev 0.07319
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

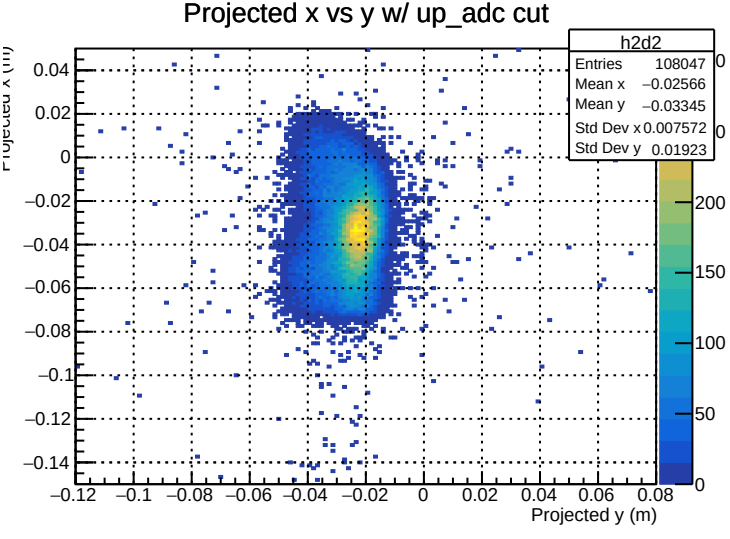

Q^2 (GeV/c)^2, yloCut = -0.068 m
Q2
Entries 113727
Mean 0.006283
Std Dev 0.001275
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

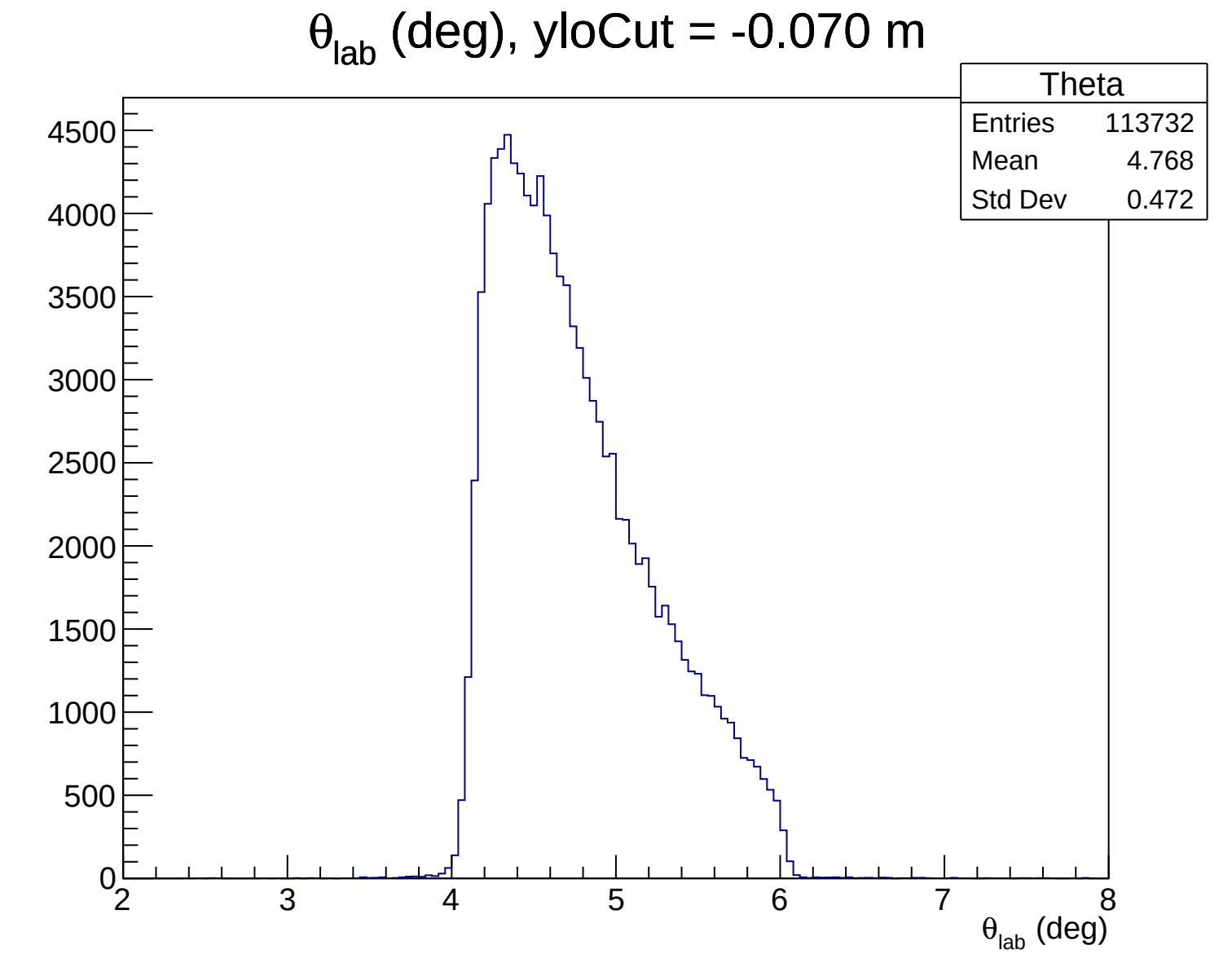

Sensitivity, yloCut = -0.068 m
sens
Entries 113727
Mean 0.02207
Std Dev 0.004055
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

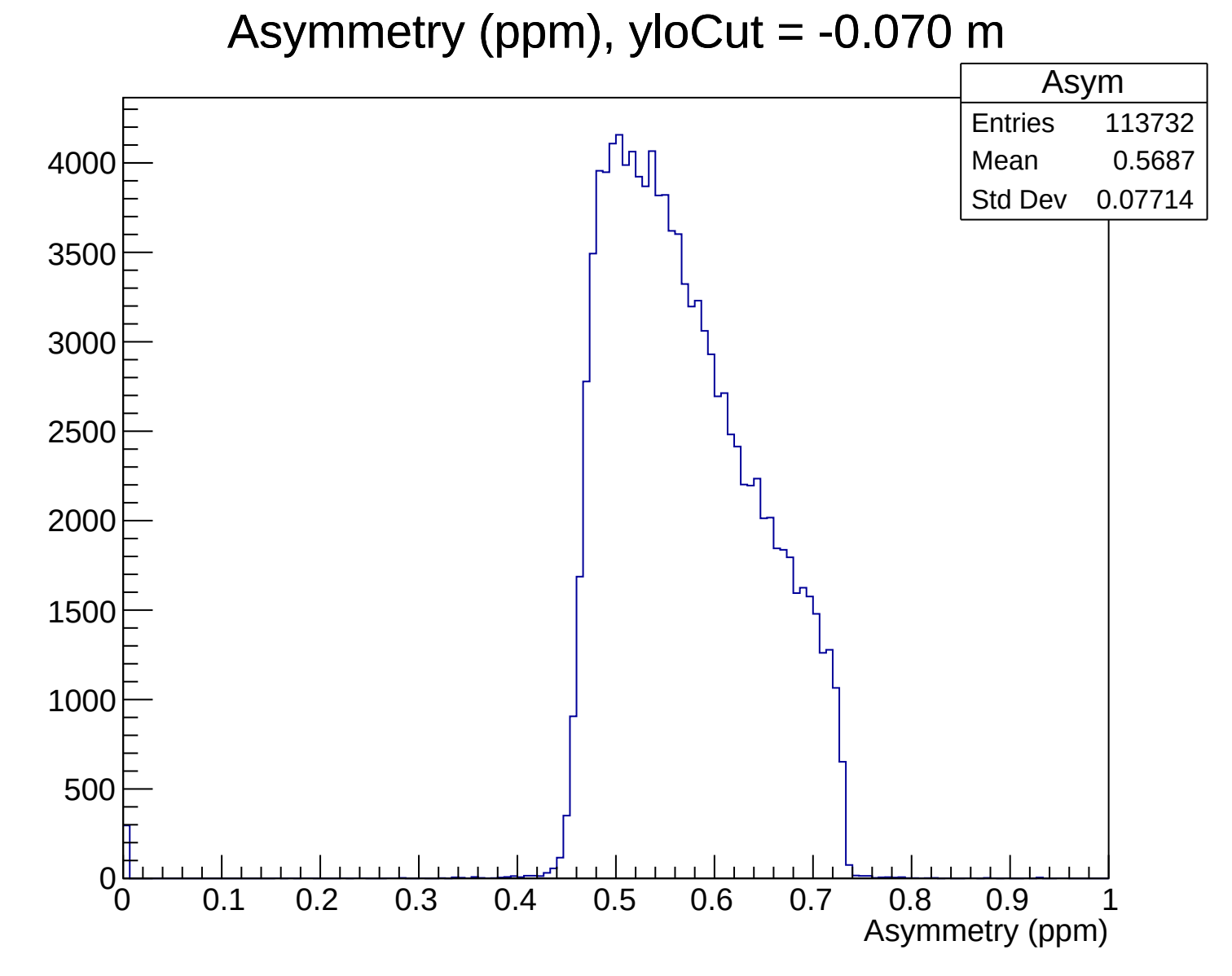

ADC raw (run2322, detZ = 1.3 m)
huq
Entries 270101
Mean 489.1
Std Dev 29.48
P.upQadcL
Ped. cut
ADC raw

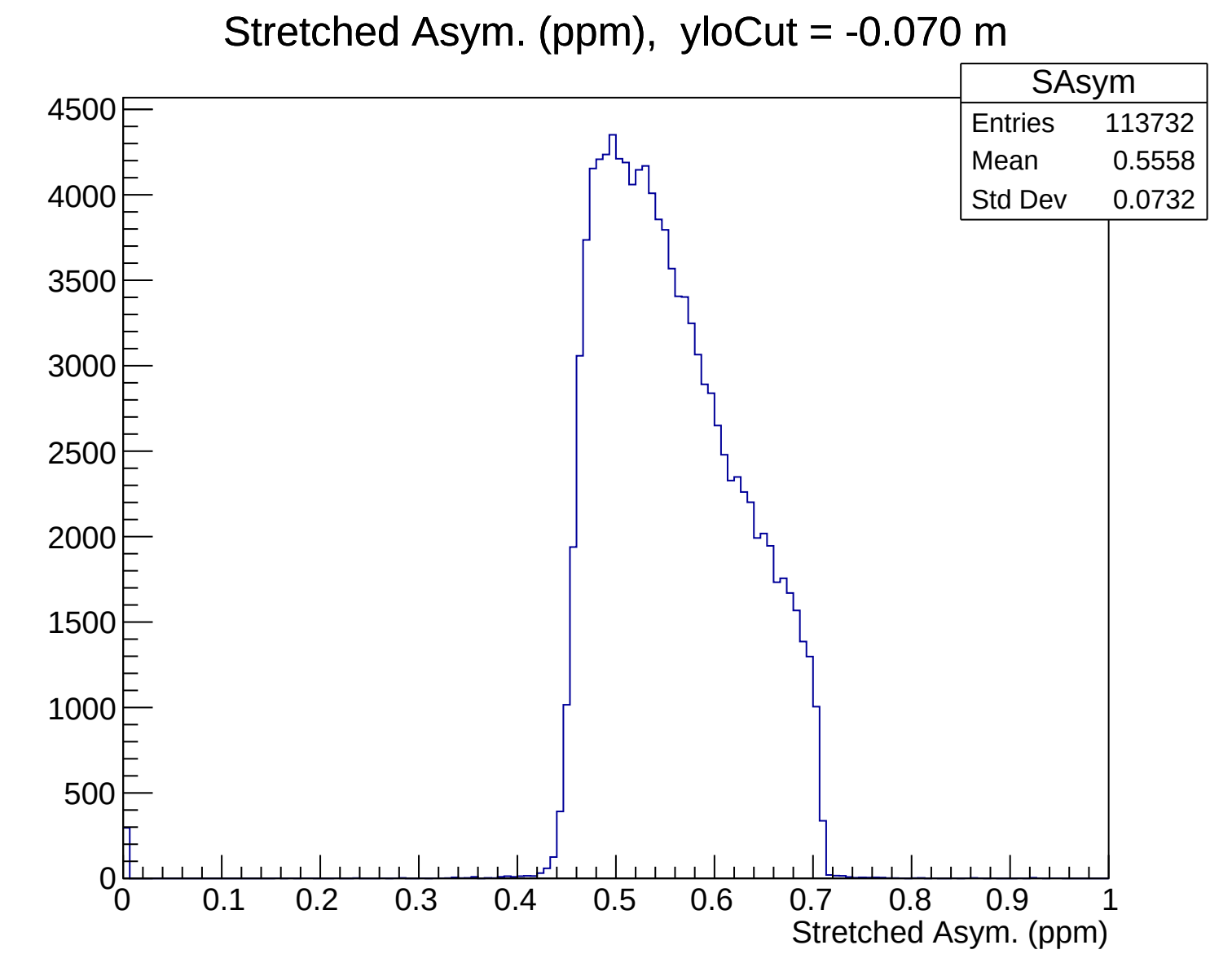

Projected y on detector plane
hy1
Entries 113900
Mean −0.02558
Std Dev 0.00793
All events
US accepted
US missed
yloCut = -0.070
L.tr.y[0]+1.3*L.tr.ph[0] (m)

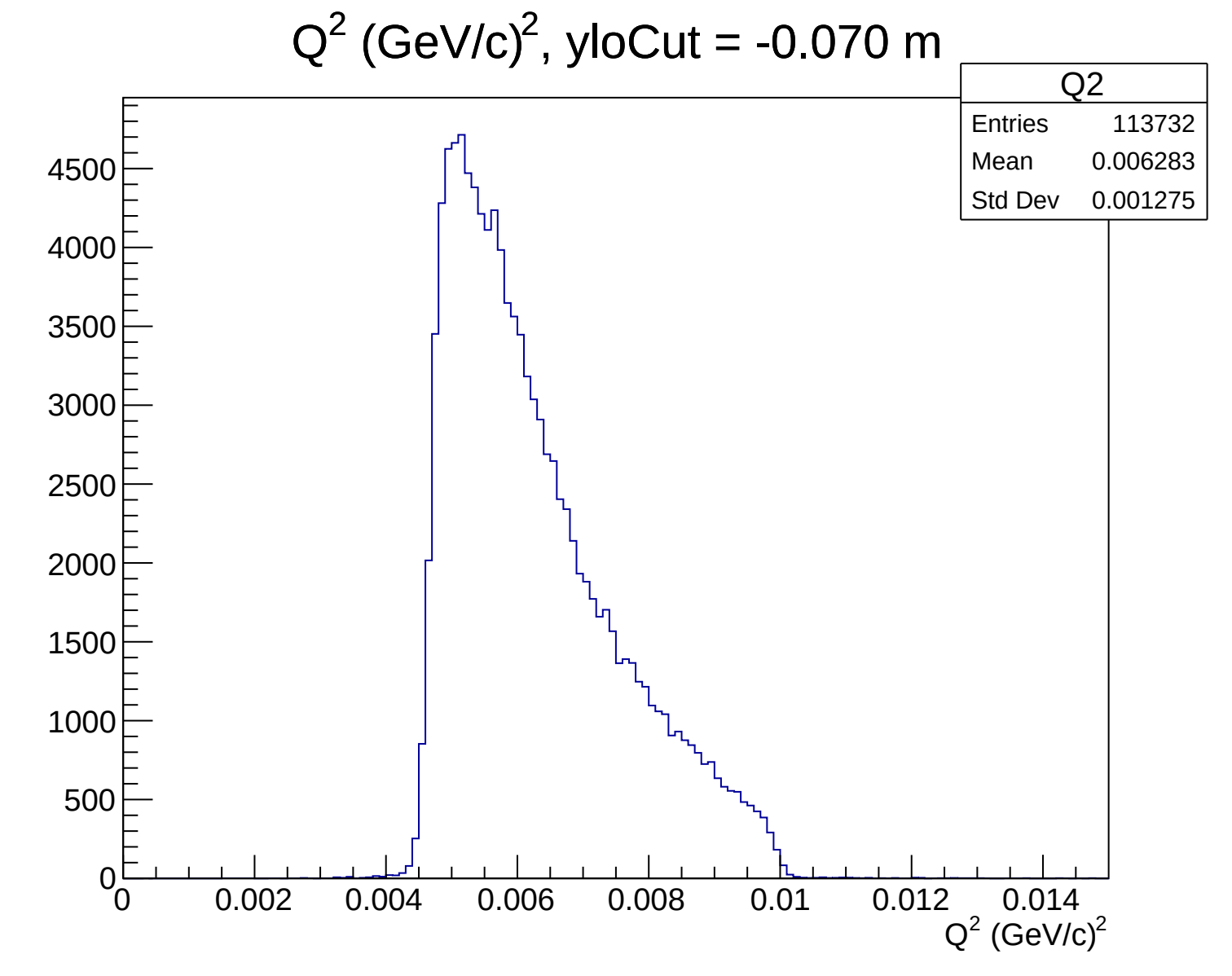

Projected x on detector plane
hx1
Entries 198687
Mean −0.0475
Std Dev 0.0334
All events
US accepted
US missed
Peak = -0.0336
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

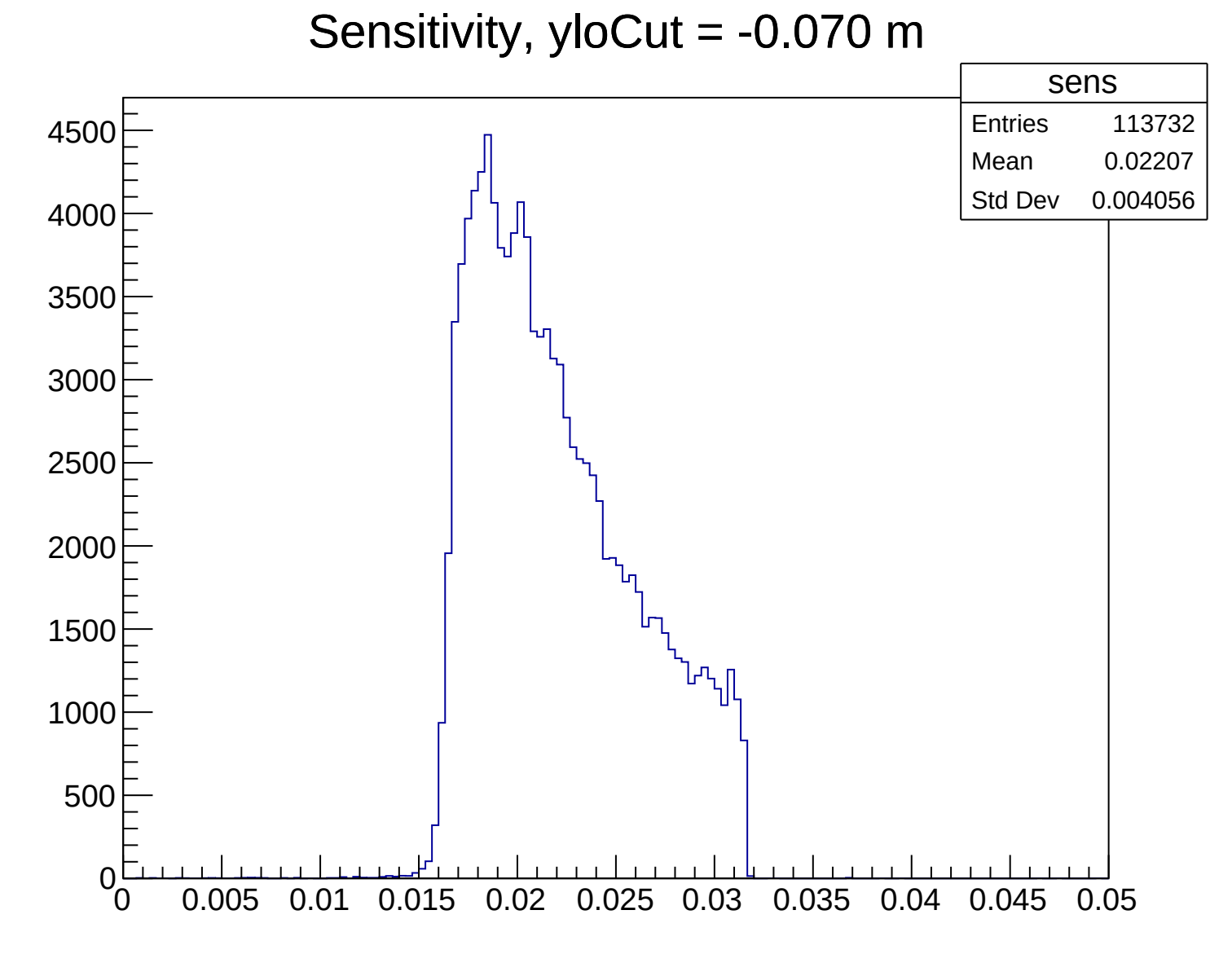

Projected x vs y w/ up_adc cut
h2d2
Entries 108047
Mean x −0.02566
Mean y −0.03345
Std Dev x 0.007572
Std Dev y 0.01923
Projected y (m)


θlab (deg), yloCut = -0.070 m
Theta
Entries 113732
Mean 4.768
Std Dev 0.472
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), yloCut = -0.070 m
Asym
Entries 113732
Mean 0.5687
Std Dev 0.07714
4000
3500
3000
2500
2000
1500
1000
500
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), yloCut = -0.070 m
SAsym
Entries 113732
Mean 0.5558
Std Dev 0.0732
4500
4000
3500
3000
2500
2000
1500
1000
500
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, yloCut = -0.070 m
Q2
Entries 113732
Mean 0.006283
Std Dev 0.001275
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, yloCut = -0.070 m
sens
Entries 113732
Mean 0.02207
Std Dev 0.004056
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05