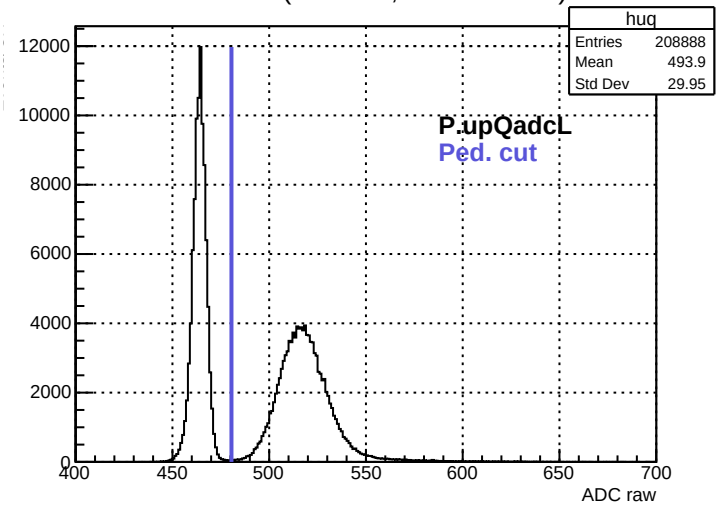
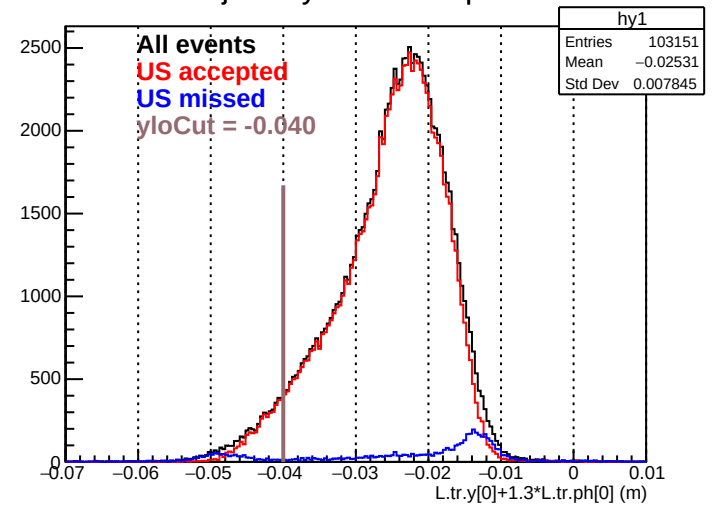
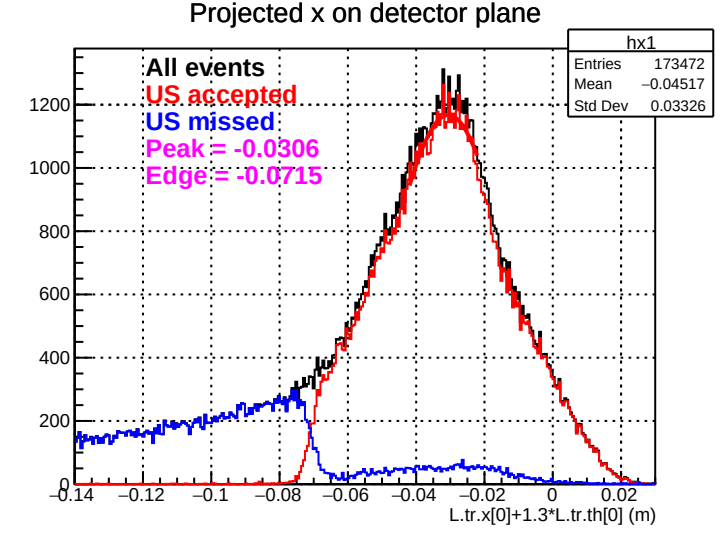
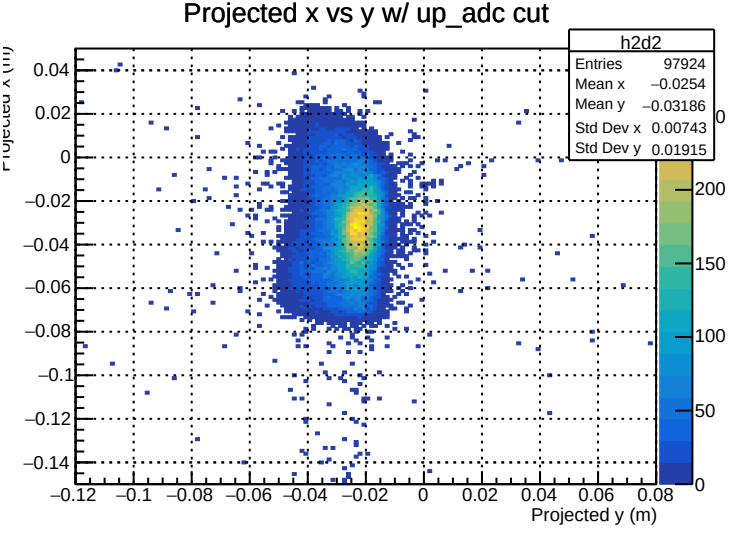
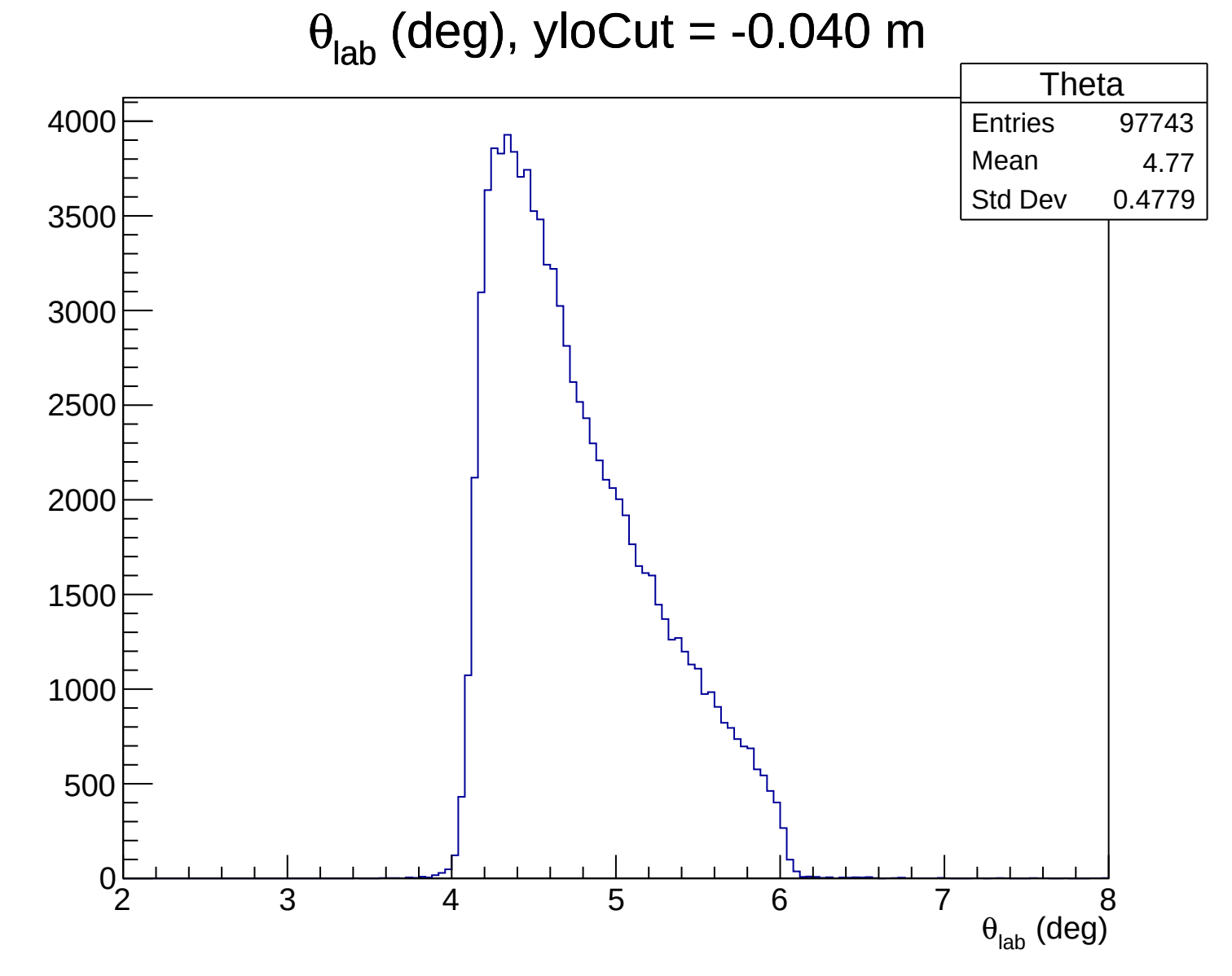
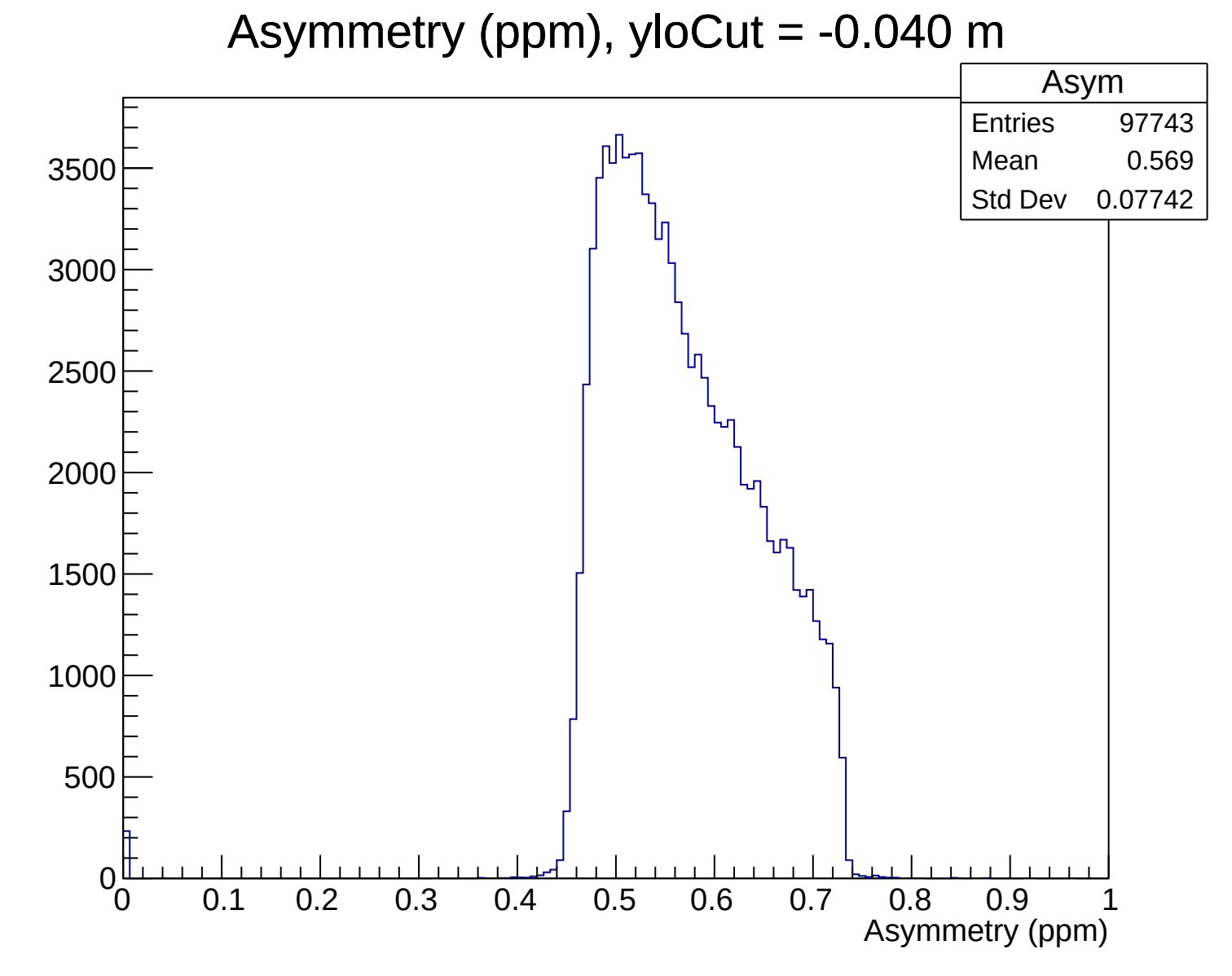

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

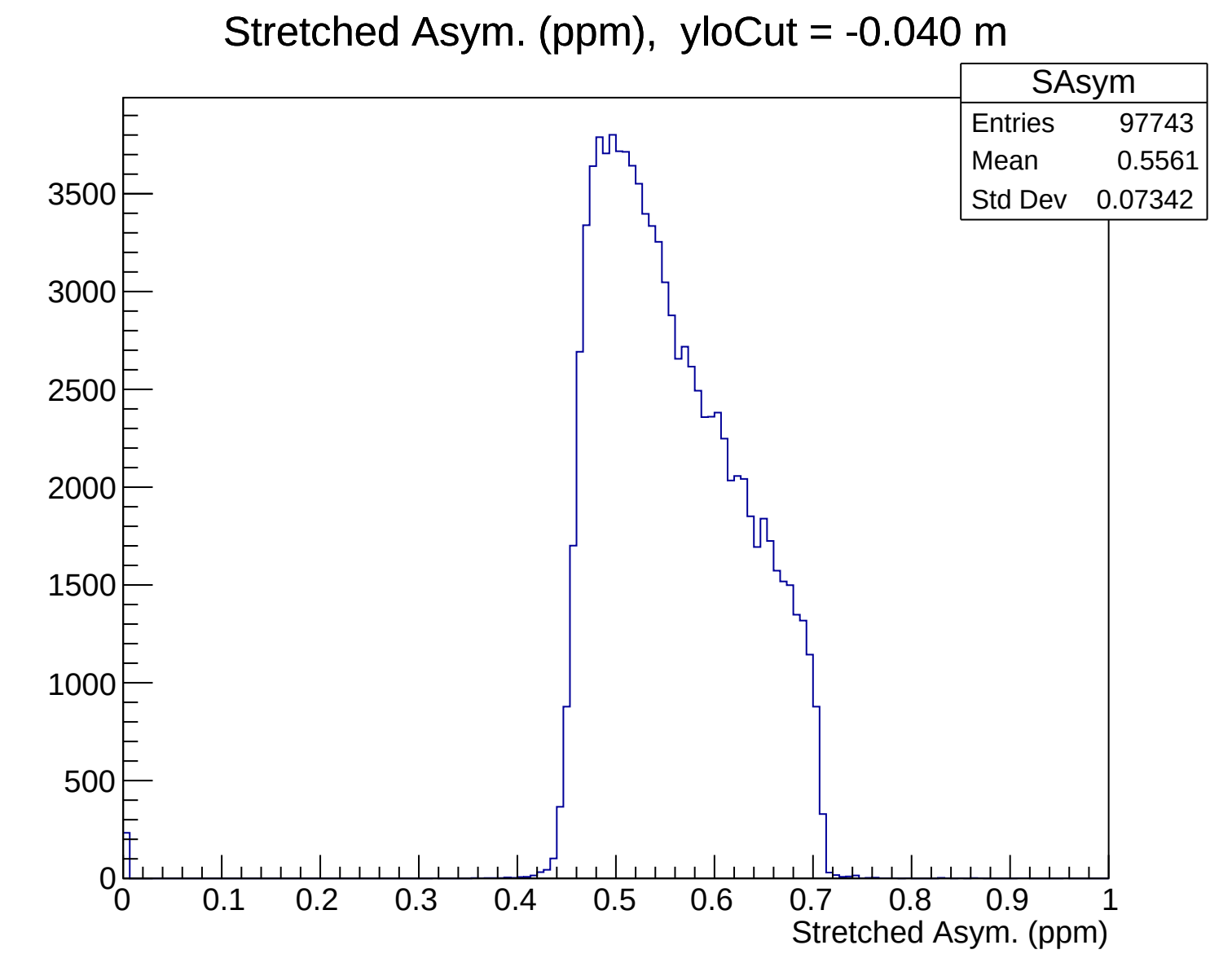

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.040
L.tr.y[0]+1.3*L.tr.ph[0] (m)

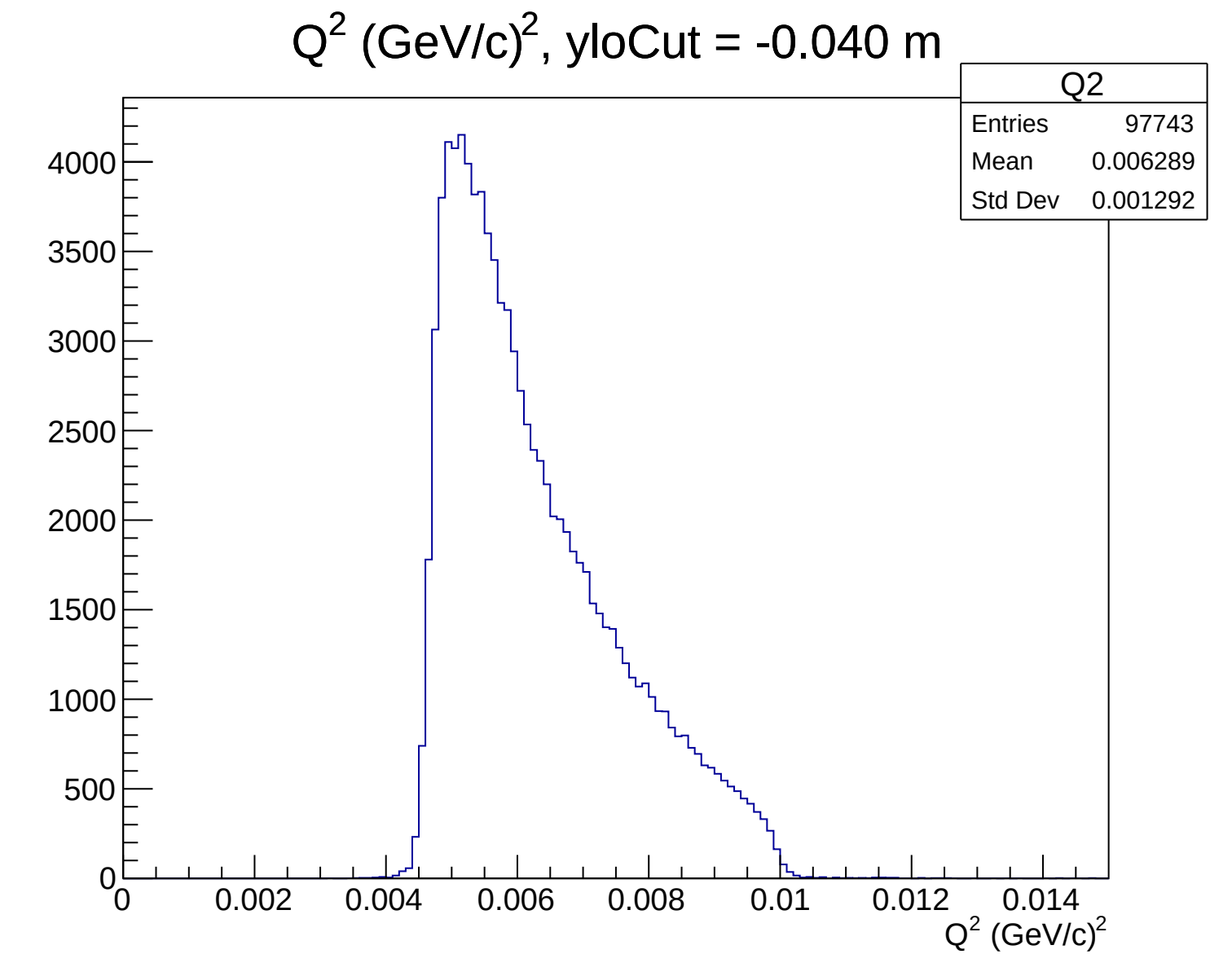

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

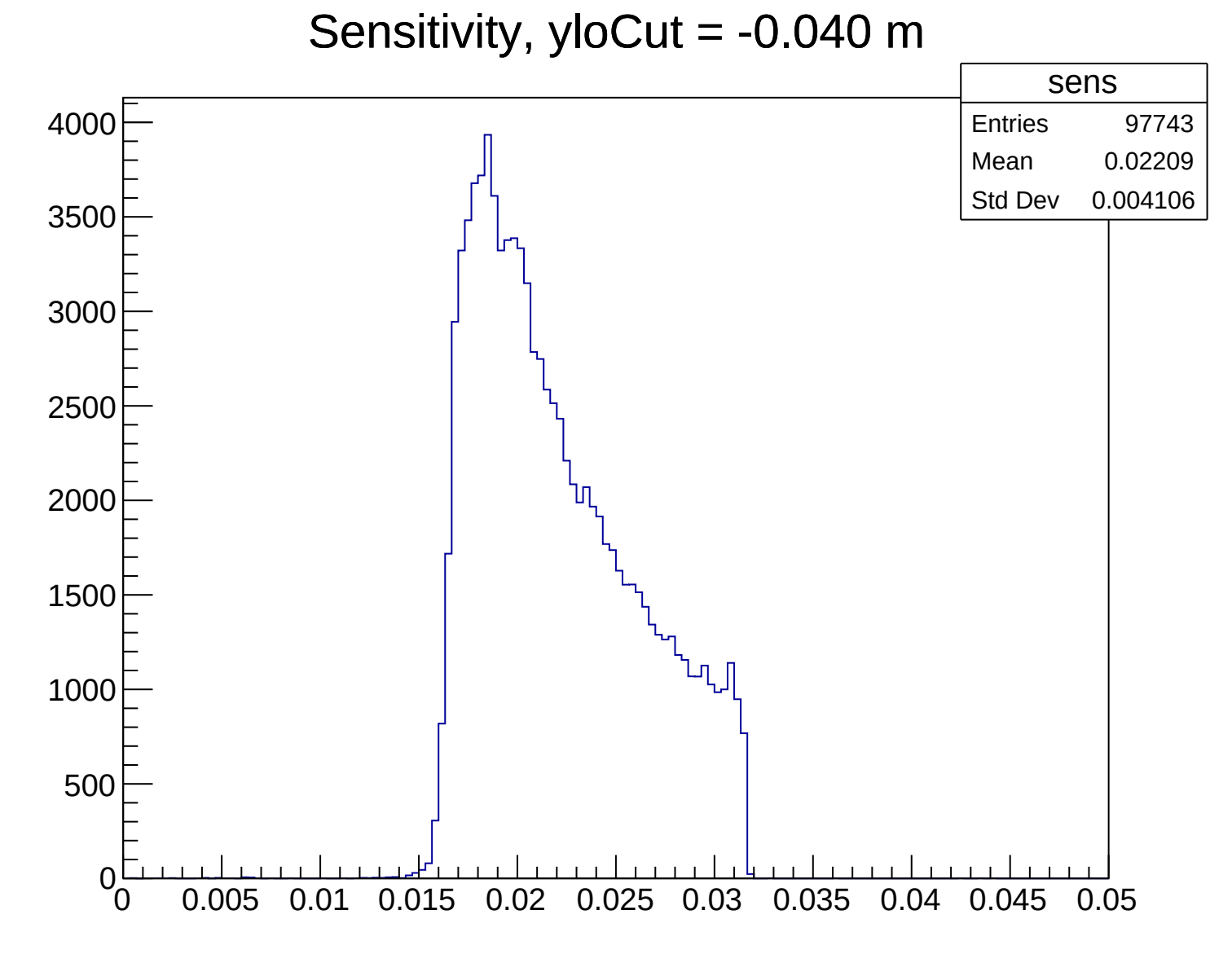

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

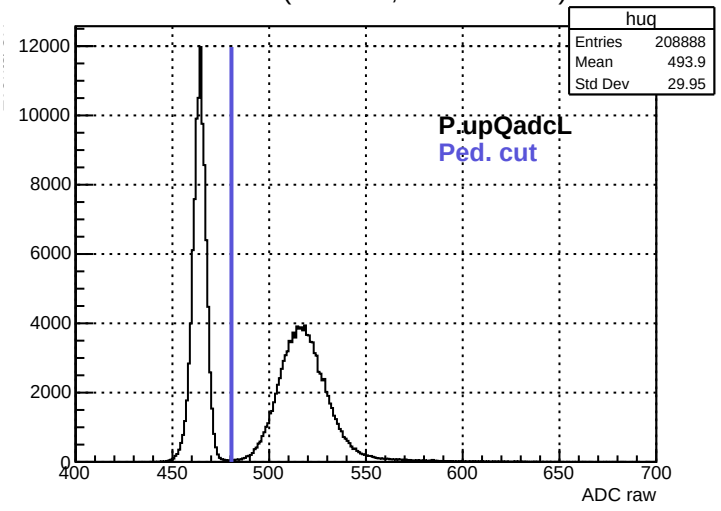

θlab (deg), yloCut = -0.040 m
Theta
Entries 97743
Mean 4.77
Std Dev 0.4779
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

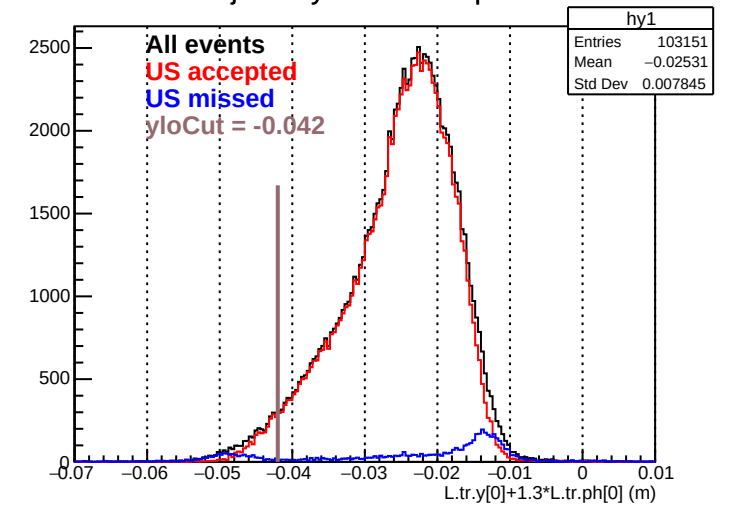

Asymmetry (ppm), yloCut = -0.040 m
Asym
Entries 97743
Mean 0.569
Std Dev 0.07742
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

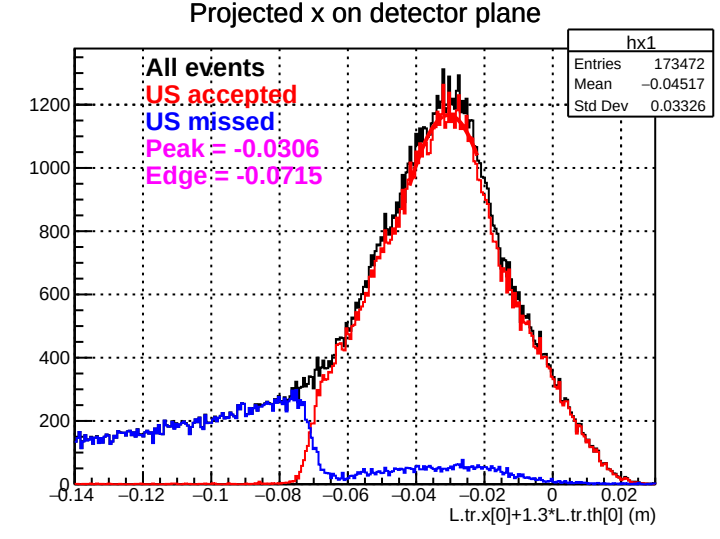

Stretched Asym. (ppm), yloCut = -0.040 m
SAsym
Entries 97743
Mean 0.5561
Std Dev 0.07342
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

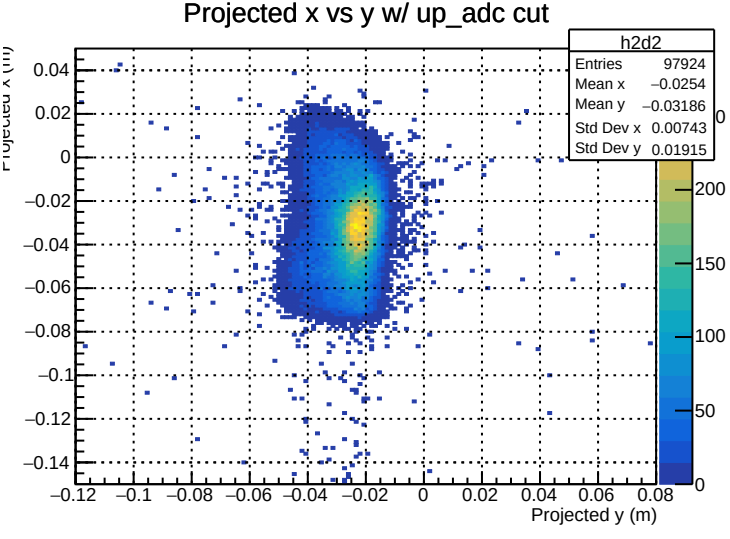

Q^2 (GeV/c)^2, yloCut = -0.040 m
Q2
Entries 97743
Mean 0.006289
Std Dev 0.001292
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

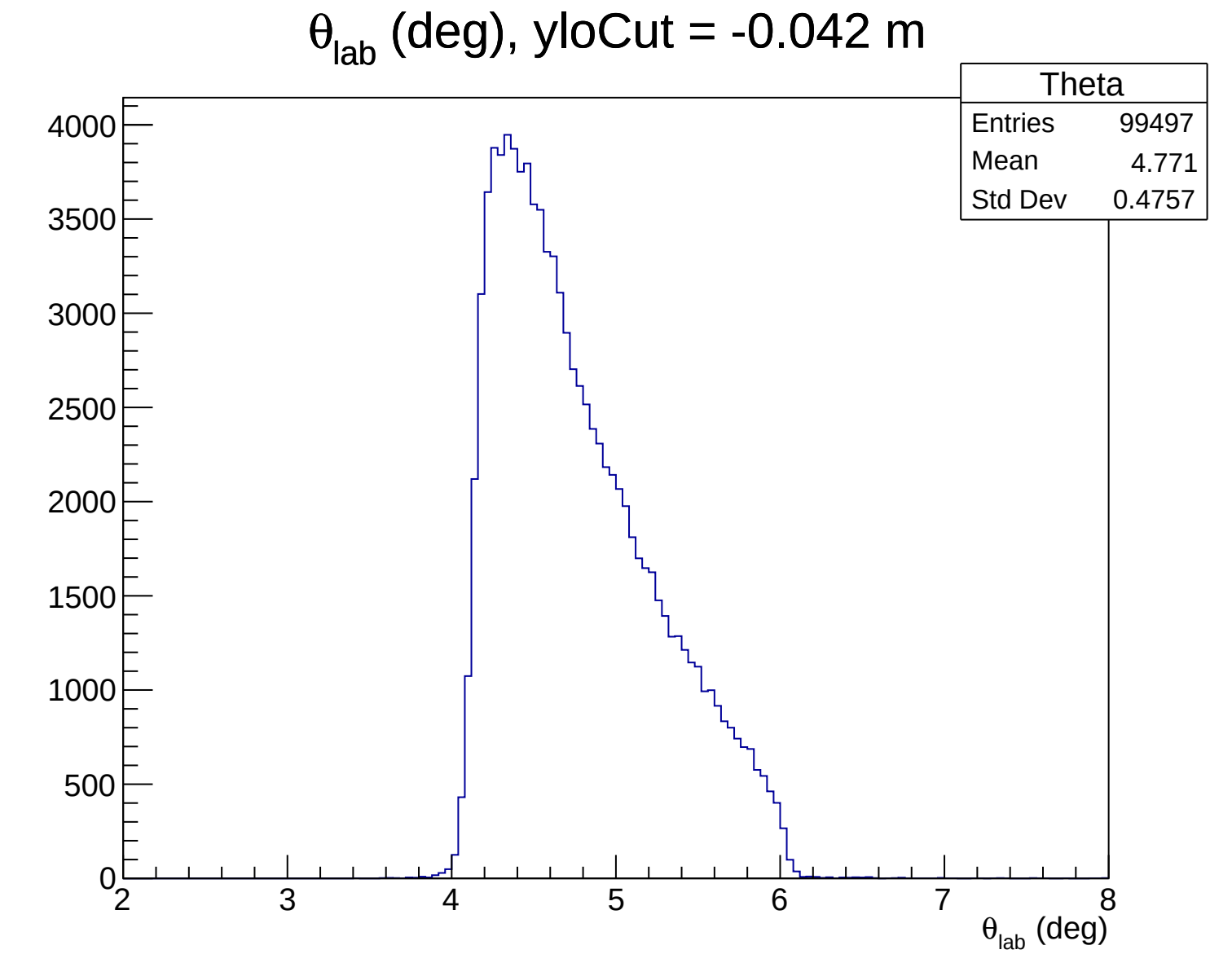

Sensitivity, yloCut = -0.040 m
sens
Entries 97743
Mean 0.02209
Std Dev 0.004106
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

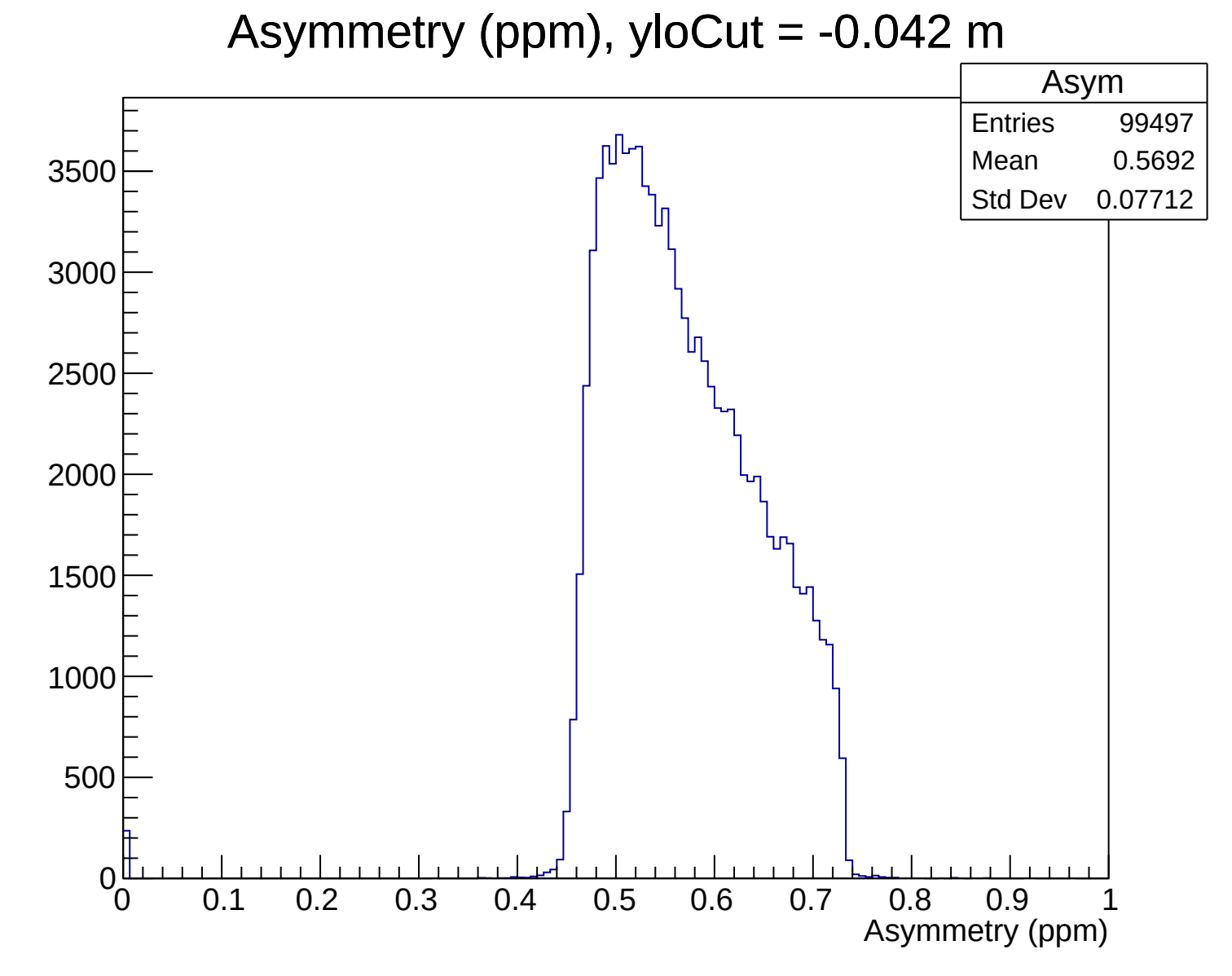

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

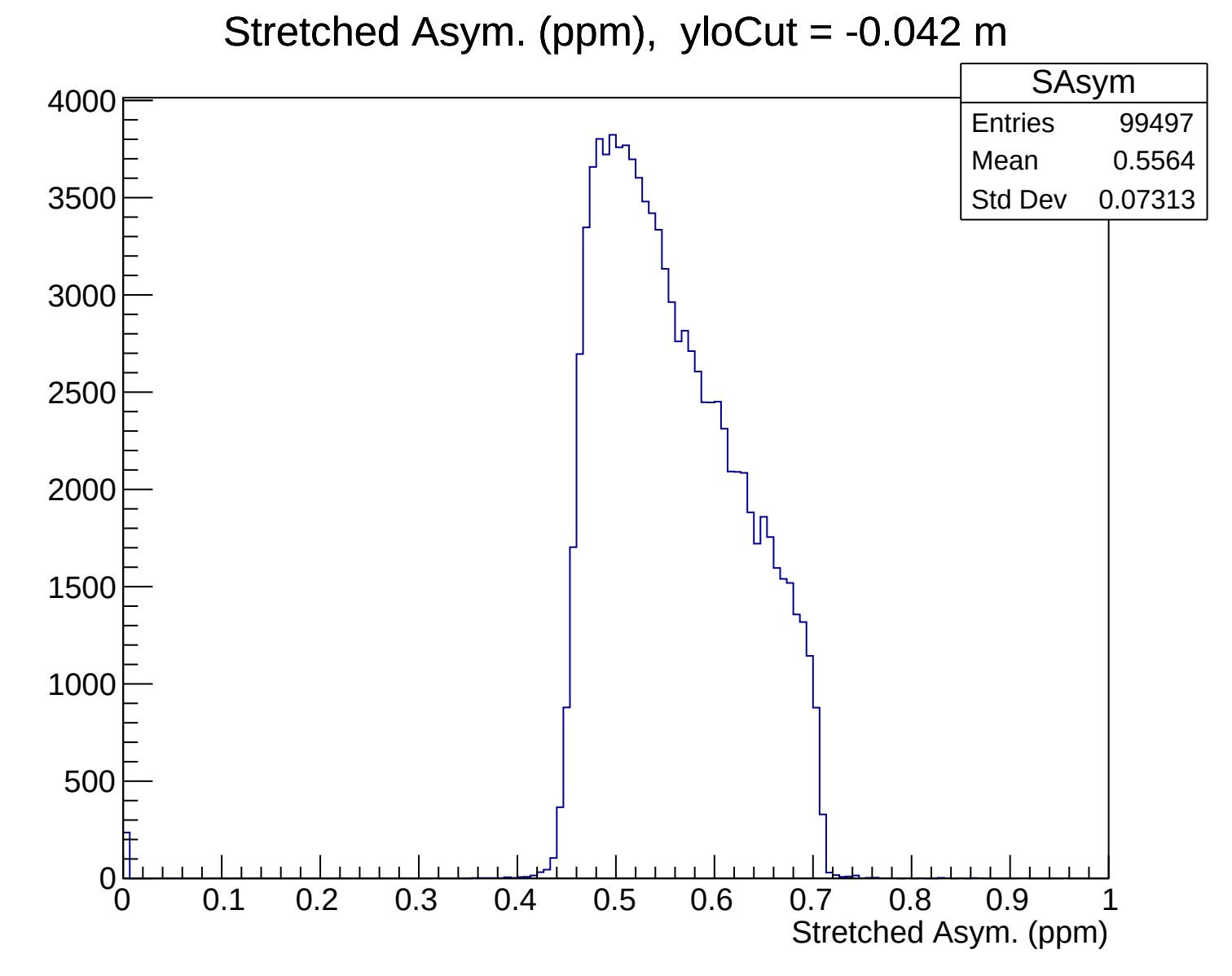

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.042
L.tr.y[0]+1.3*L.tr.ph[0] (m)

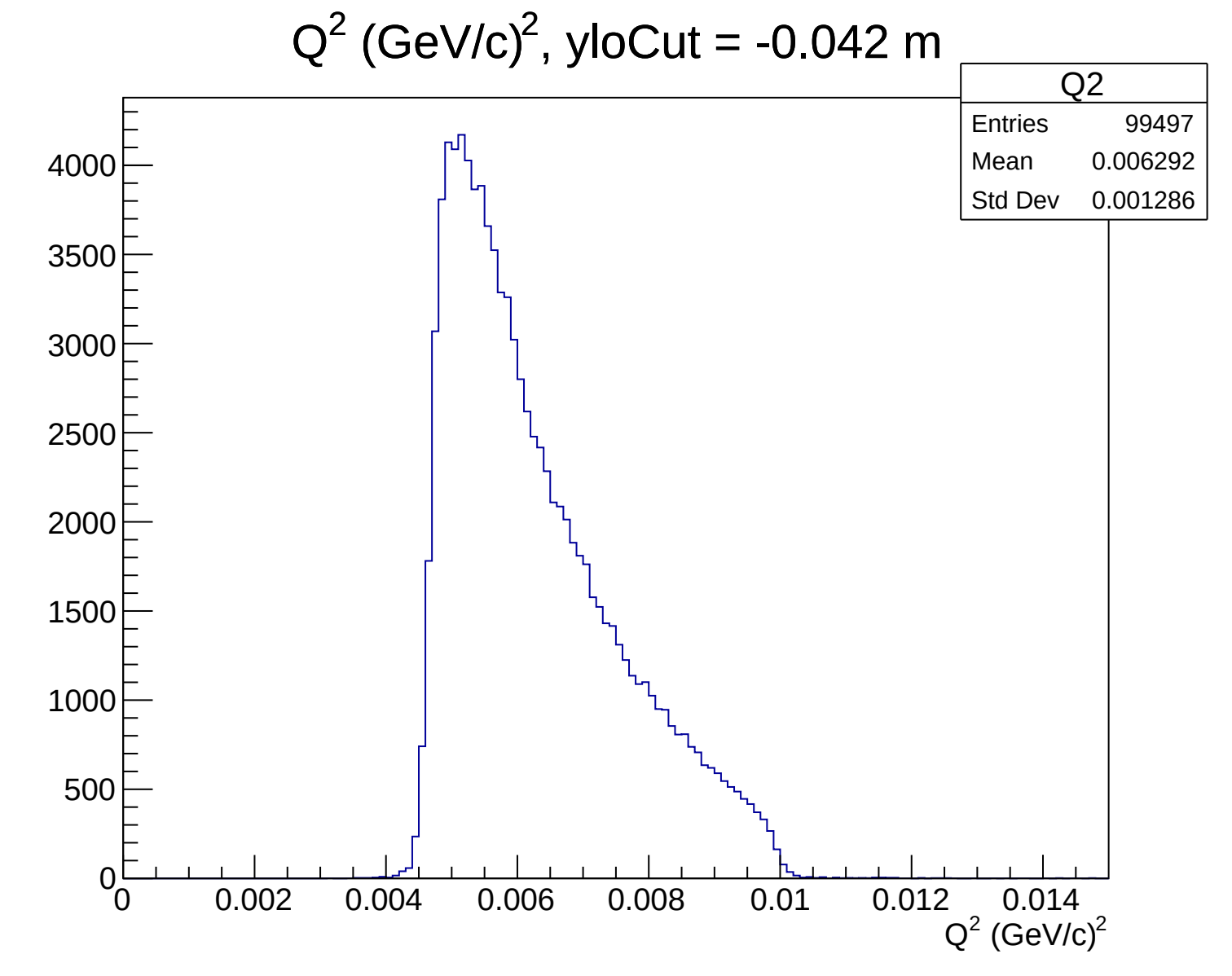

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

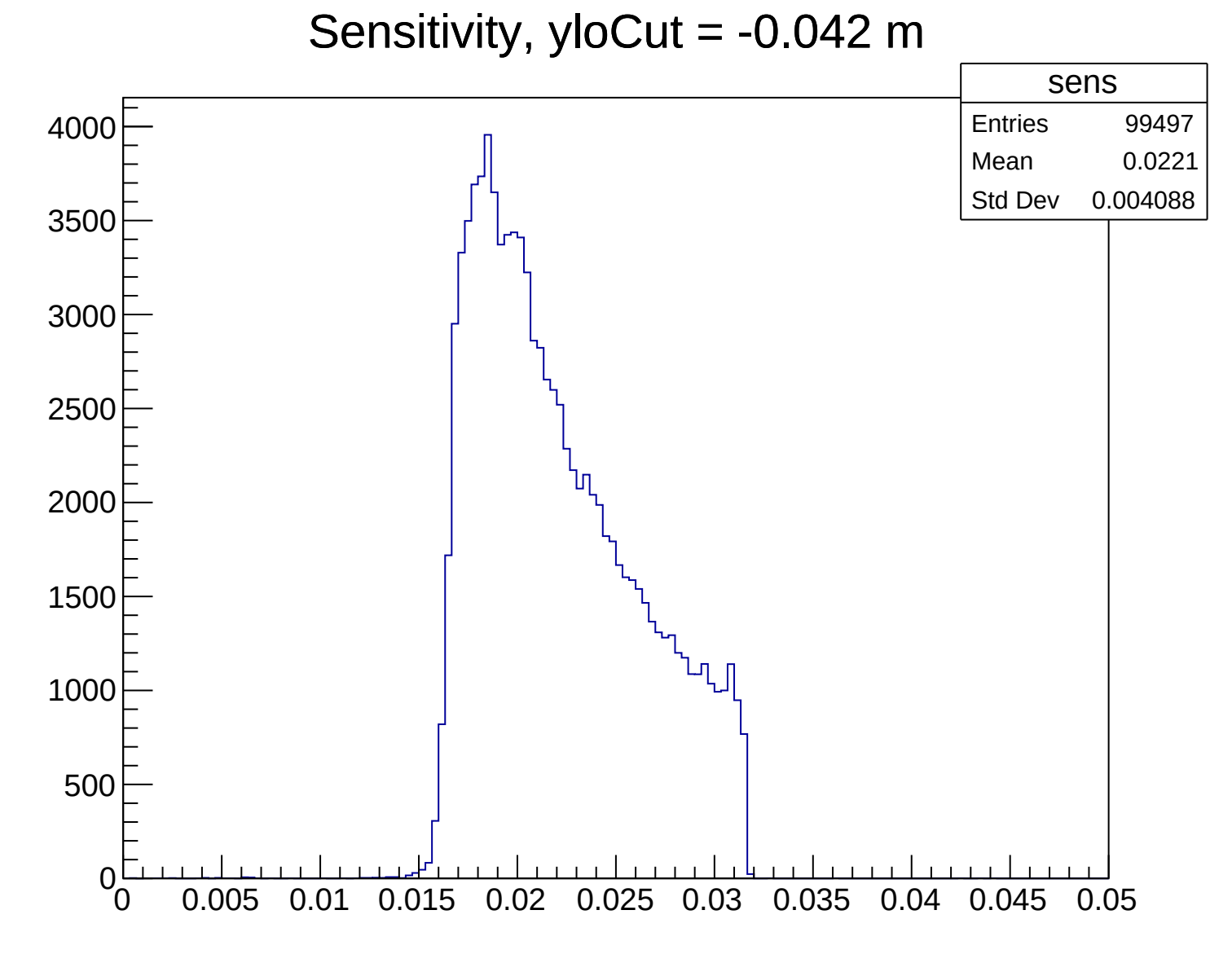

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

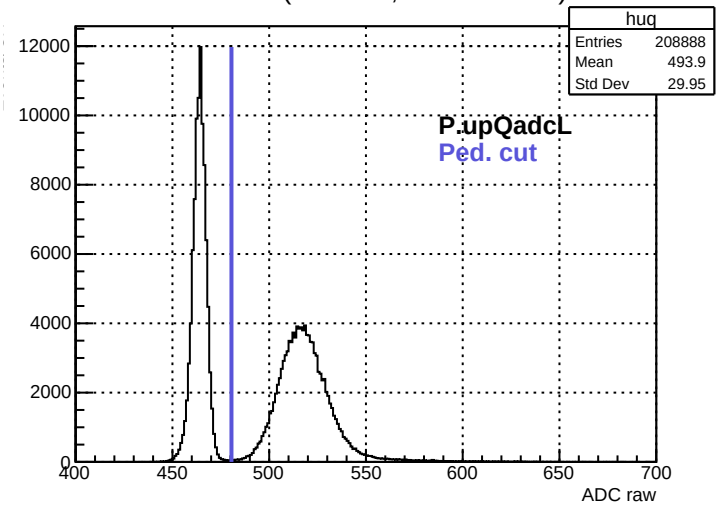

θlab (deg), yloCut = -0.042 m
Theta
Entries 99497
Mean 4.771
Std Dev 0.4757
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

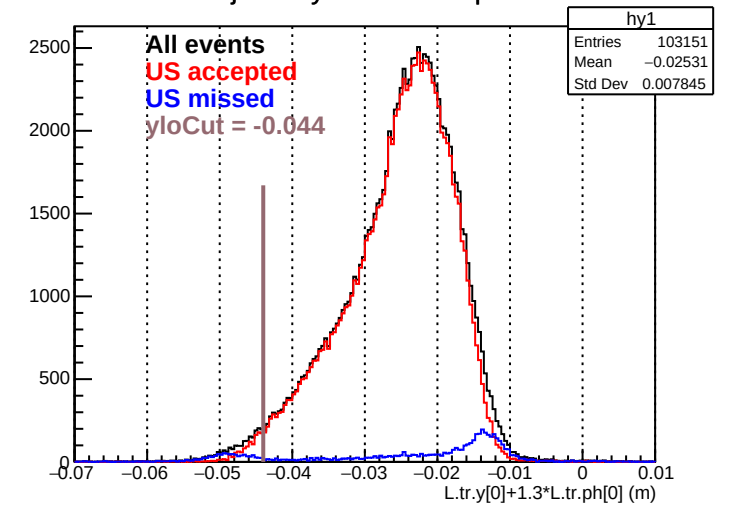

Asymmetry (ppm), yloCut = -0.042 m
Asym
Entries 99497
Mean 0.5692
Std Dev 0.07712
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

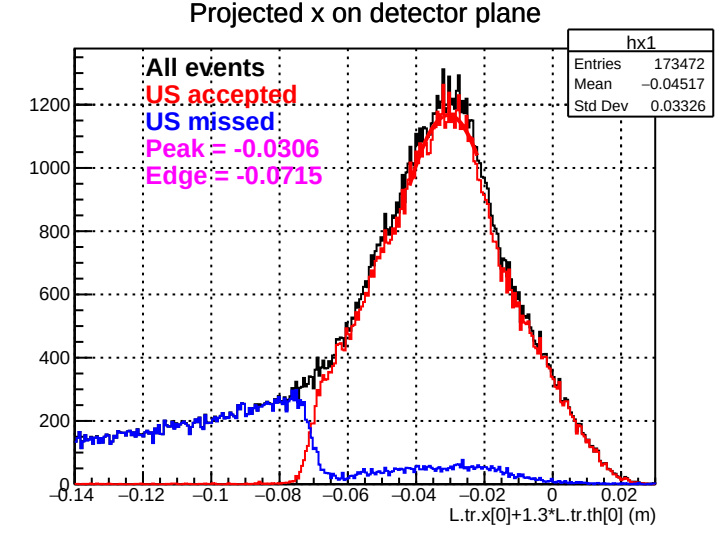

Stretched Asym. (ppm), yloCut = -0.042 m
SAsym
Entries 99497
Mean 0.5564
Std Dev 0.07313
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

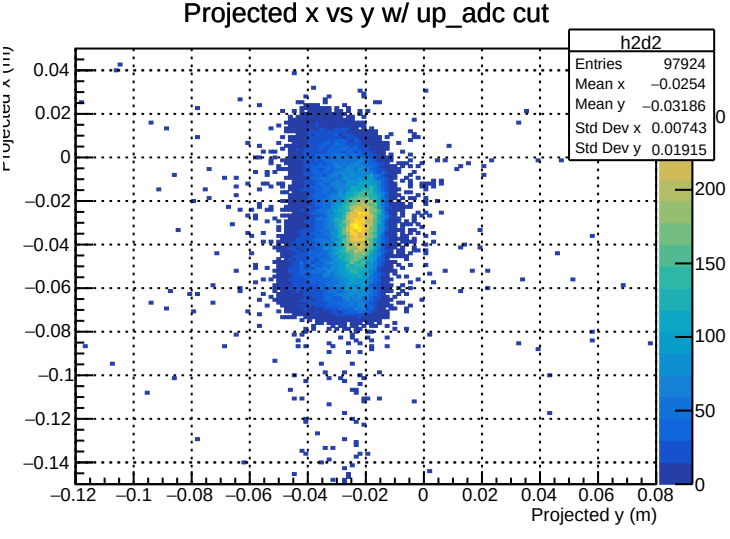

Q^2 (GeV/c)^2, yloCut = -0.042 m
Q2
Entries 99497
Mean 0.006292
Std Dev 0.001286
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

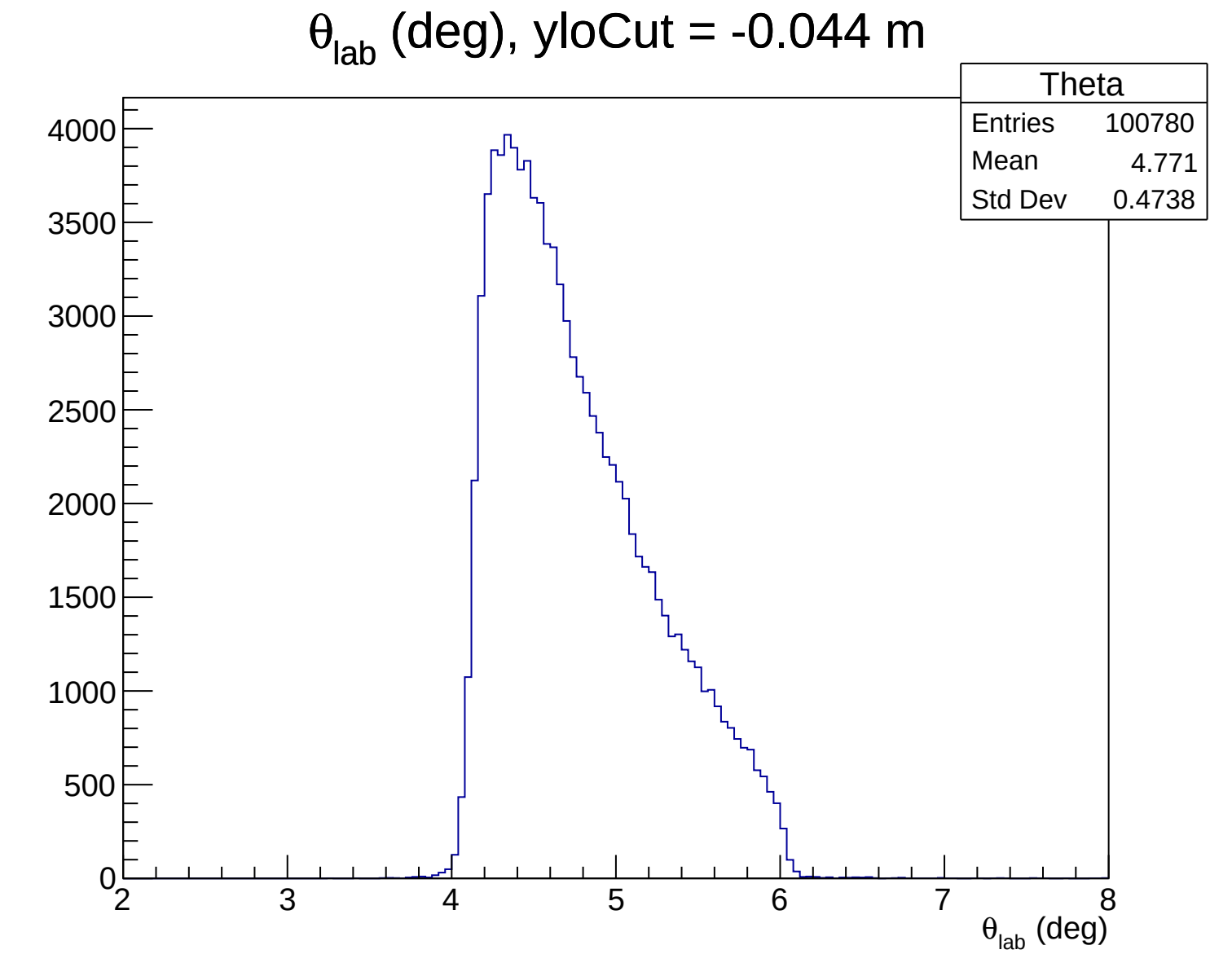

Sensitivity, yloCut = -0.042 m
sens
Entries 99497
Mean 0.0221
Std Dev 0.004088
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

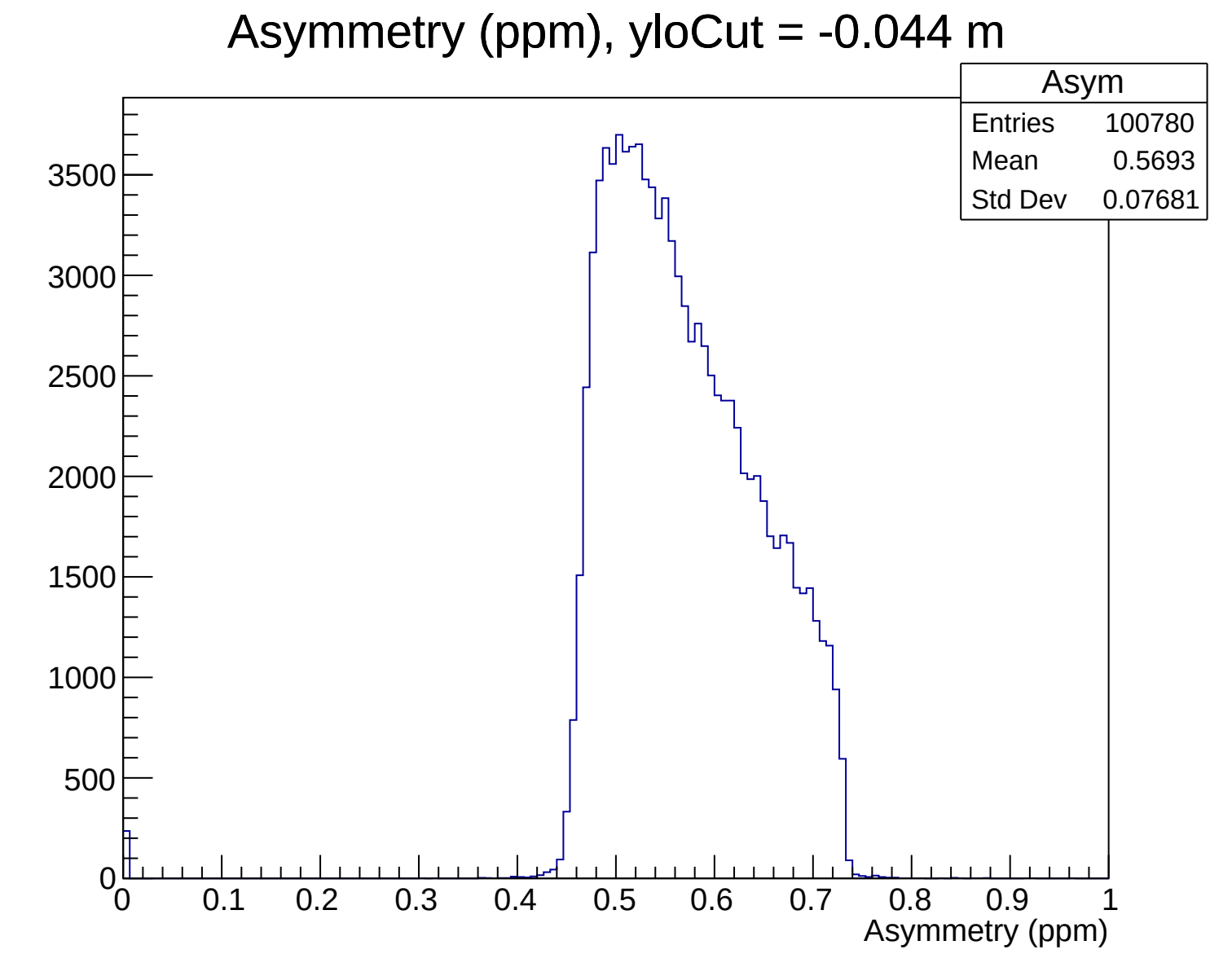

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

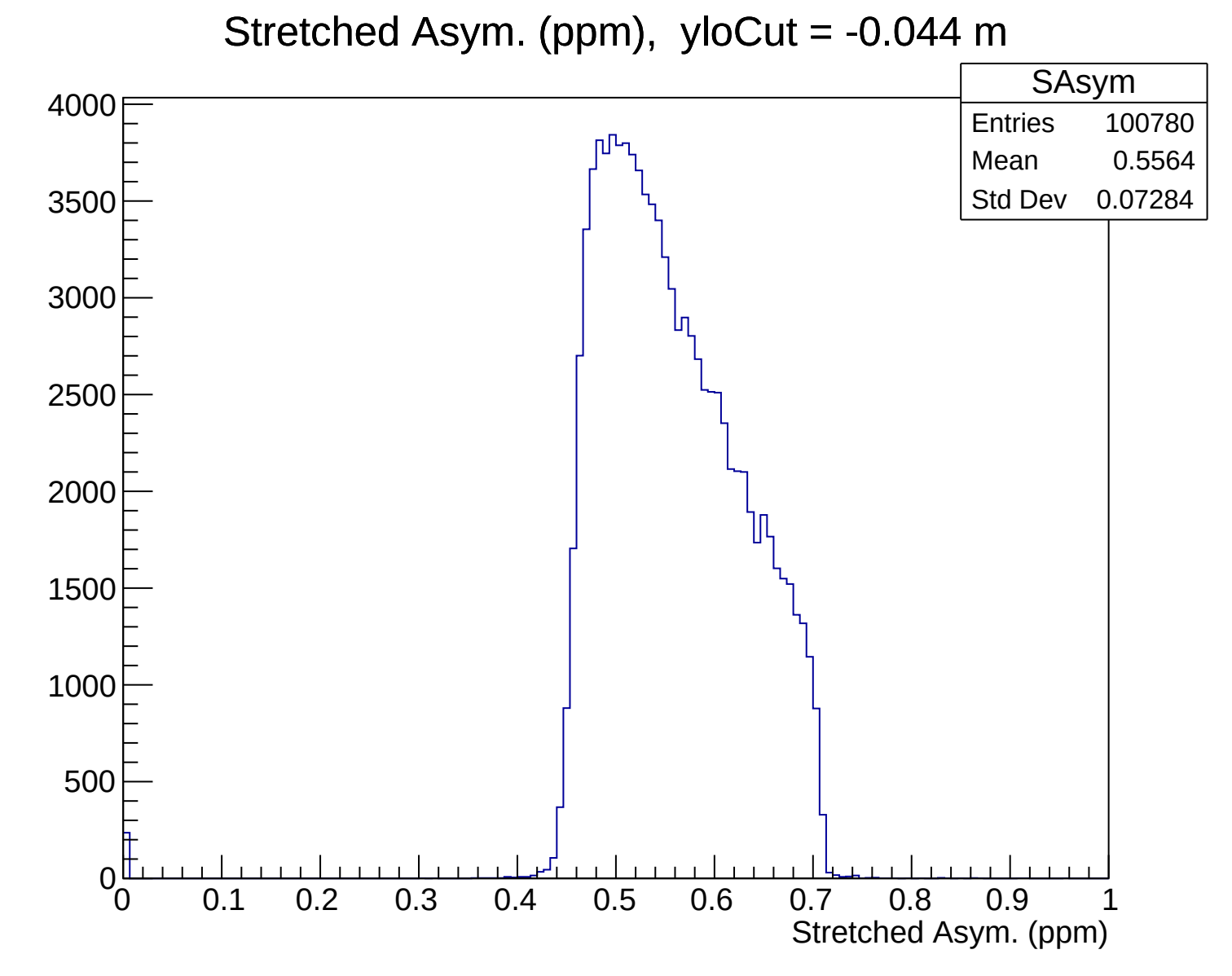

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.044
L.tr.y[0]+1.3*L.tr.ph[0] (m)

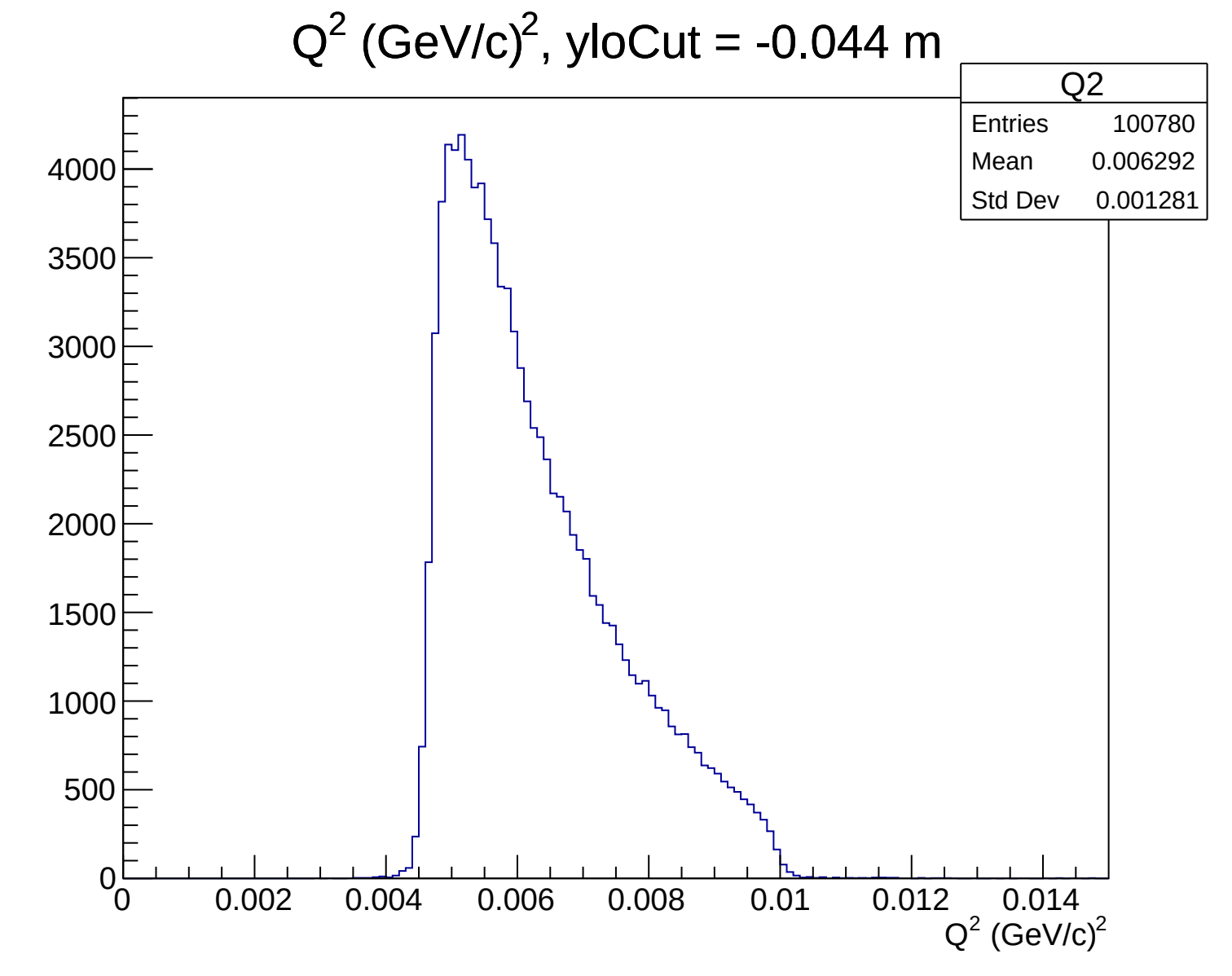

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

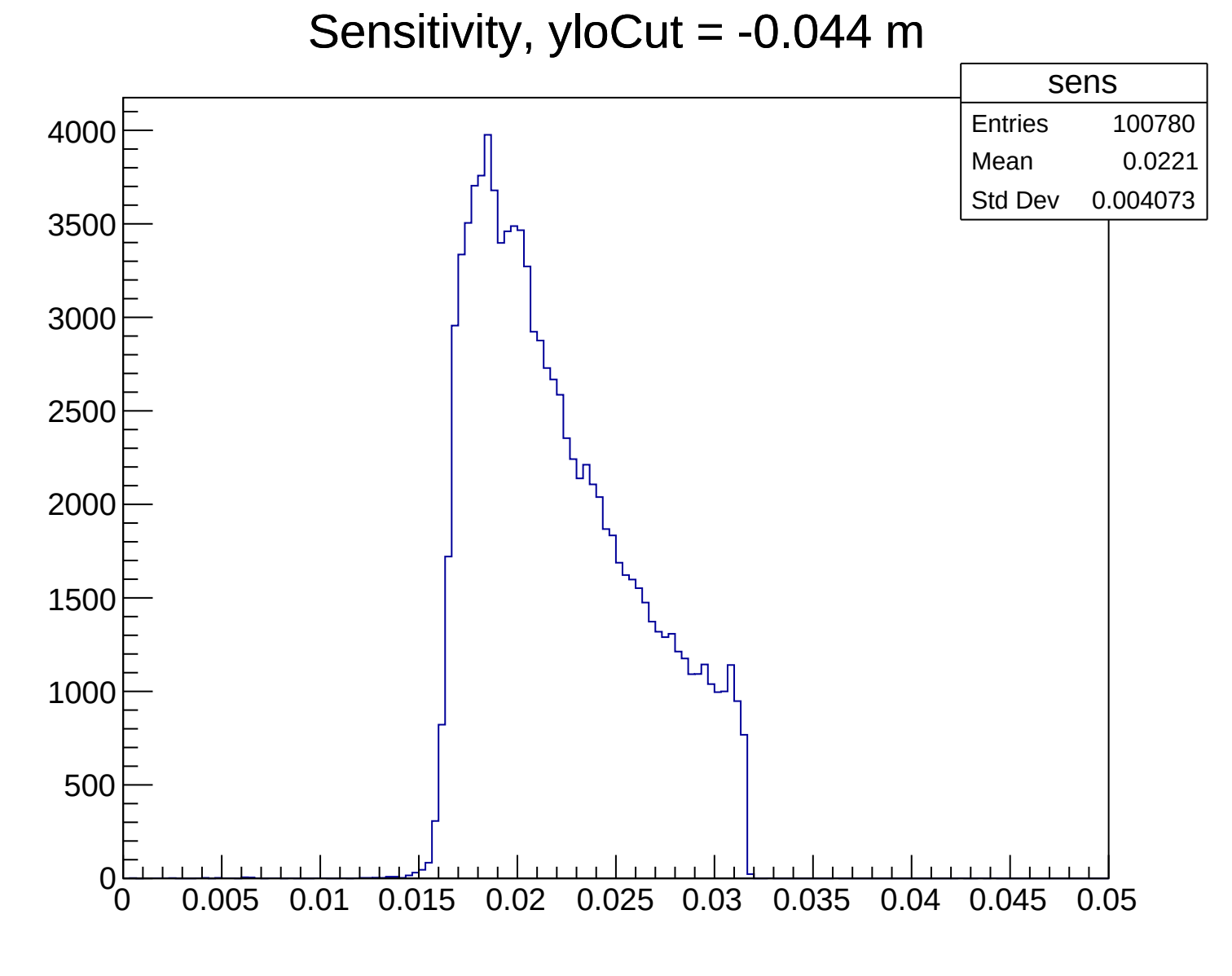

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

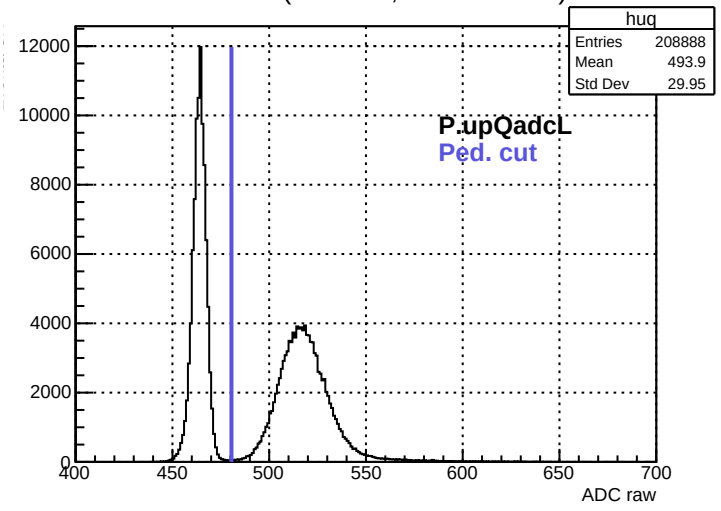

θlab (deg), yloCut = -0.044 m
Theta
Entries 100780
Mean 4.771
Std Dev 0.4738
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

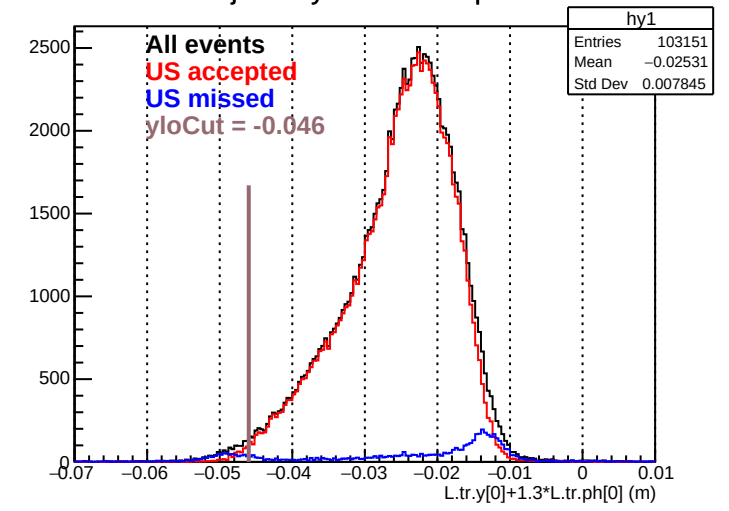

Asymmetry (ppm), yloCut = -0.044 m
Asym
Entries 100780
Mean 0.5693
Std Dev 0.07681
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

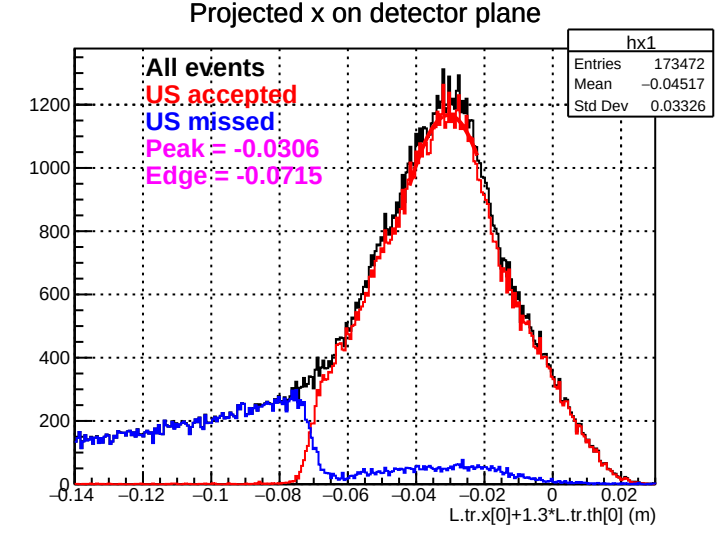

Stretched Asym. (ppm), yloCut = -0.044 m
SAsym
Entries 100780
Mean 0.5564
Std Dev 0.07284
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

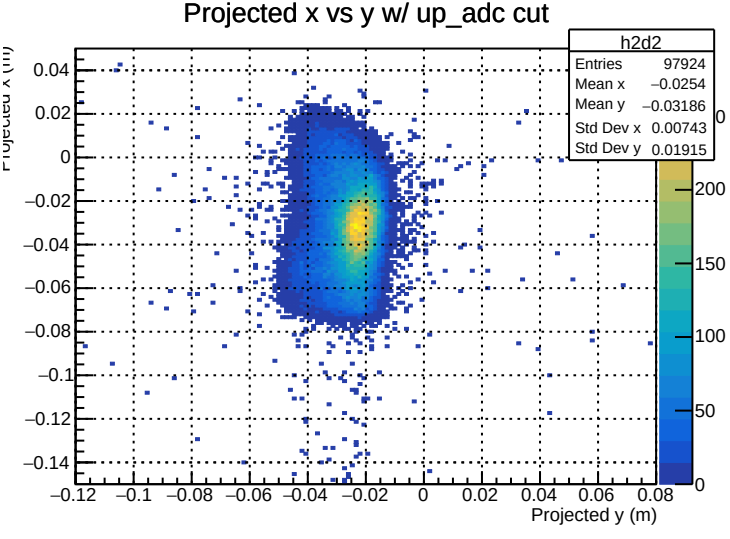

Q^2 (GeV/c)^2, yloCut = -0.044 m
Q2
Entries 100780
Mean 0.006292
Std Dev 0.001281
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

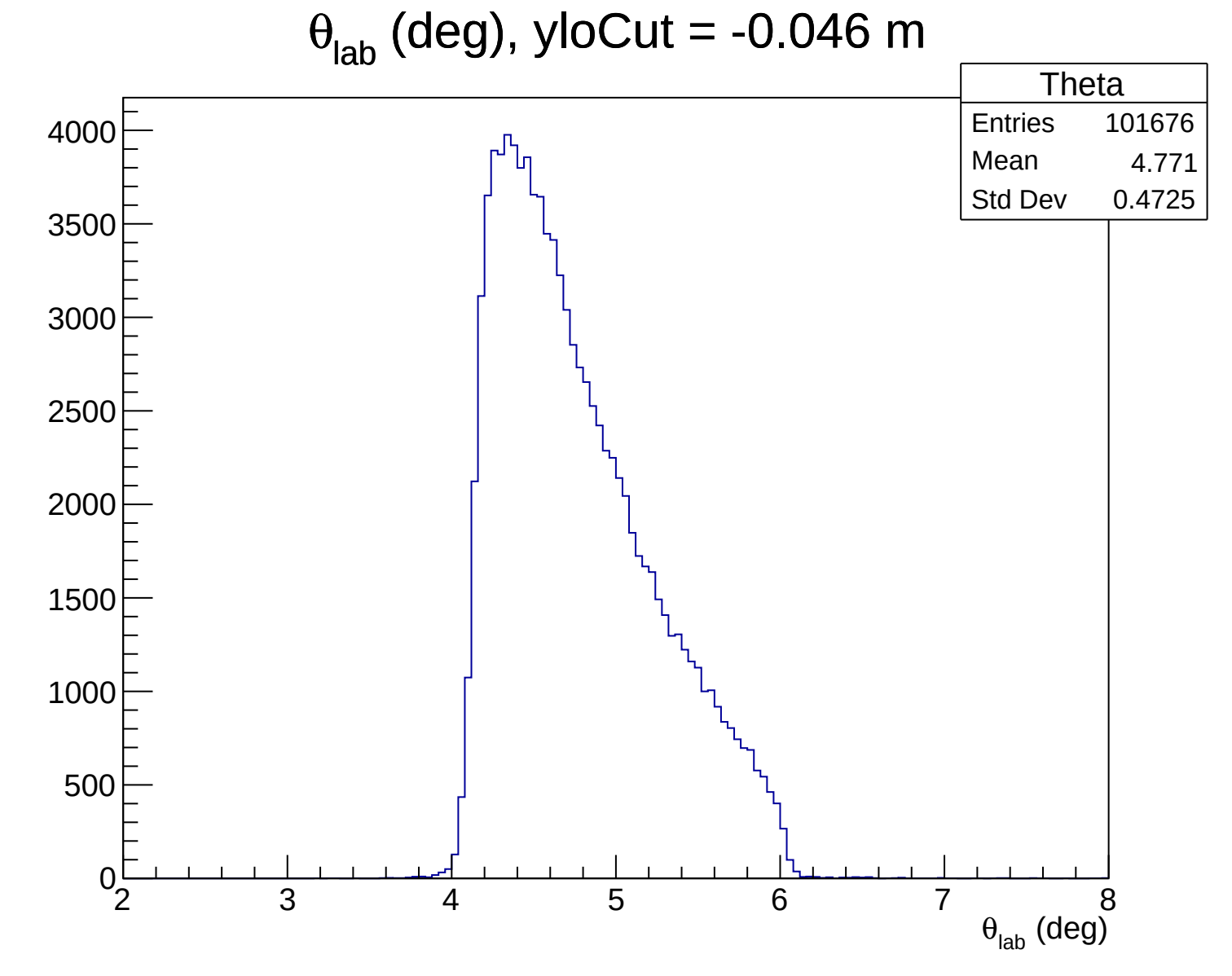

Sensitivity, yloCut = -0.044 m
sens
Entries 100780
Mean 0.0221
Std Dev 0.004073
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

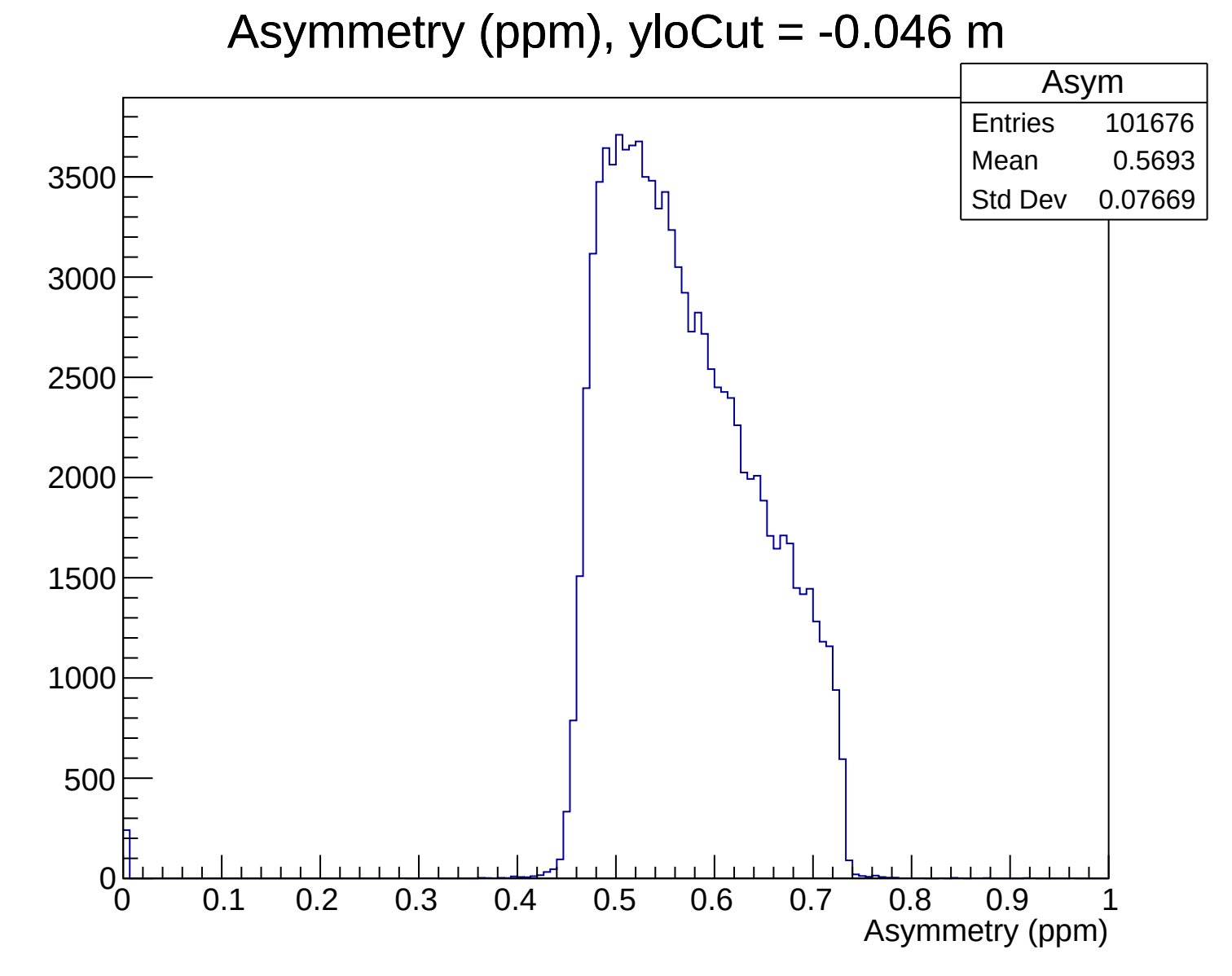

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

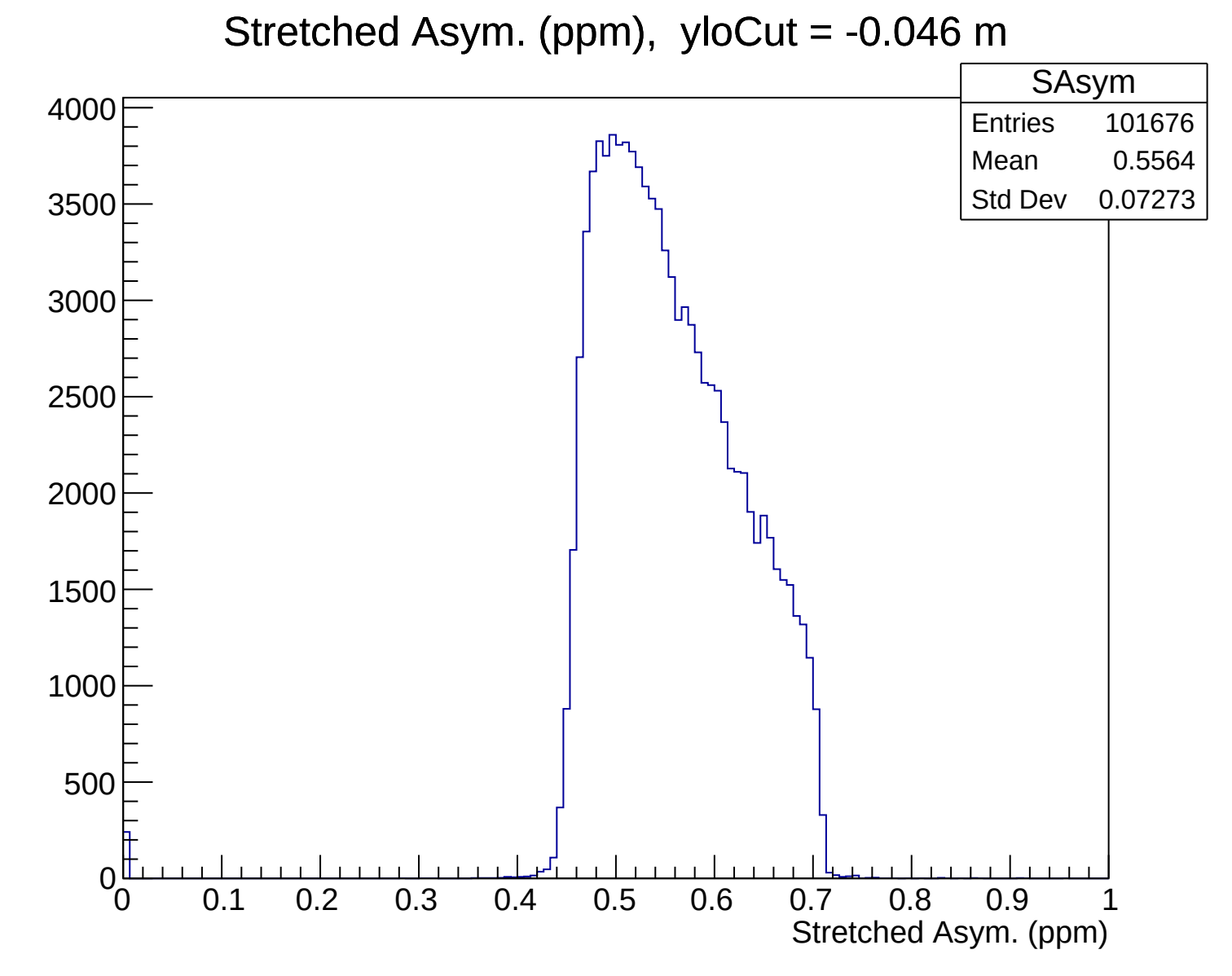

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.046
L.tr.y[0]+1.3*L.tr.ph[0] (m)

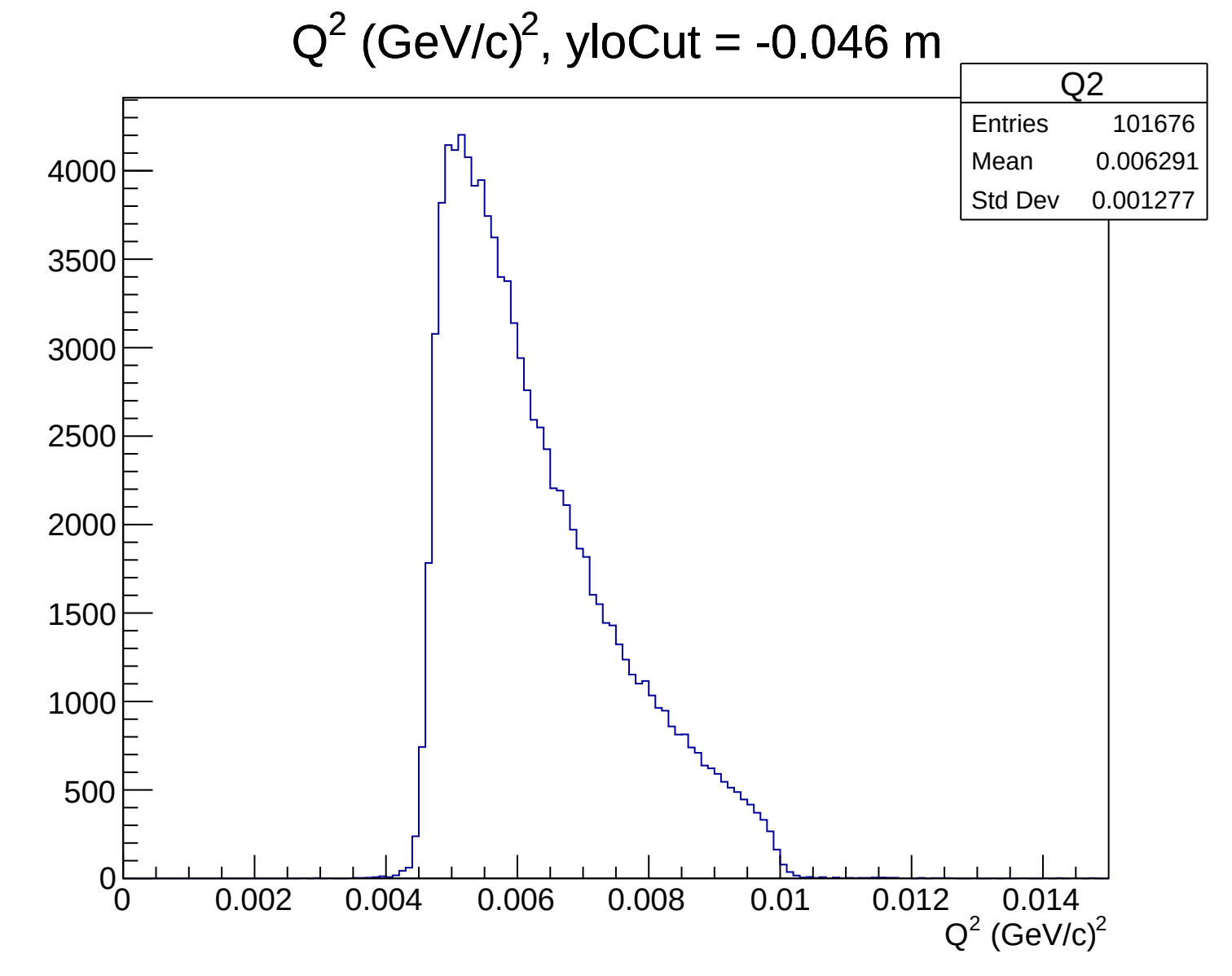

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

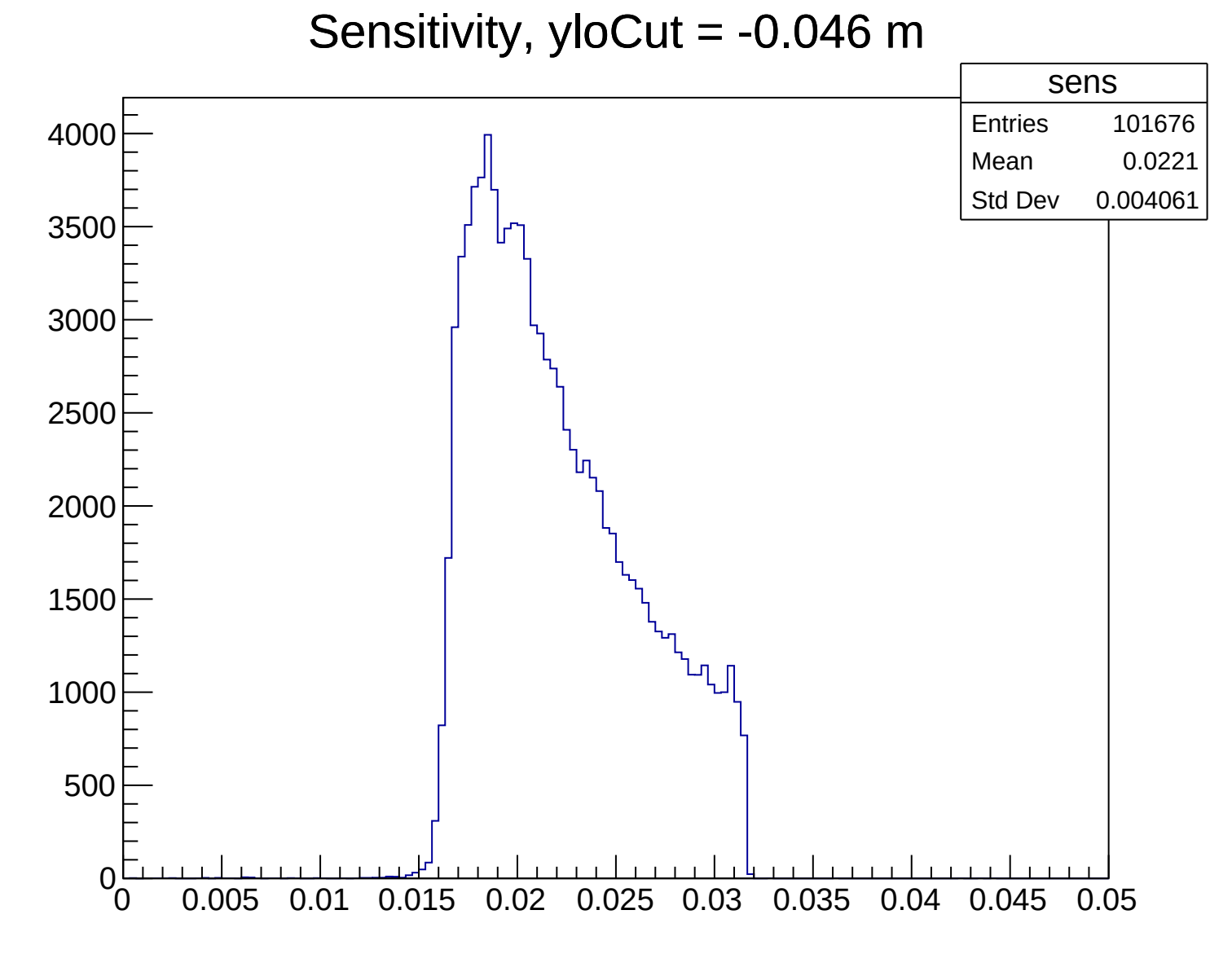

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected x (m)
Projected y (m)

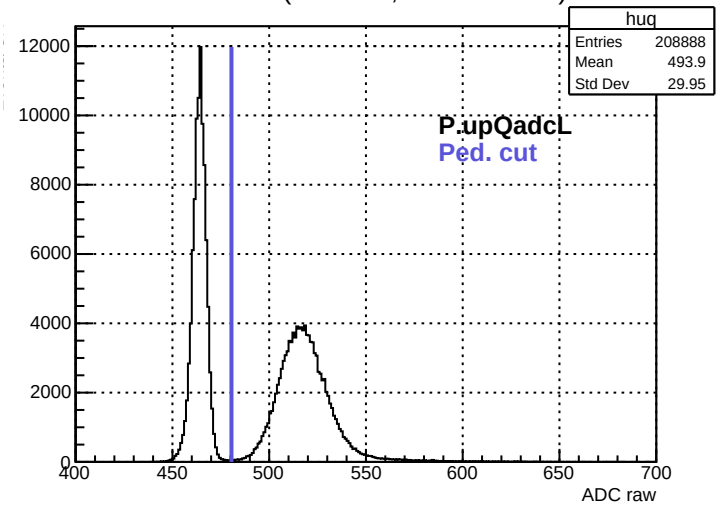

θlab (deg), yloCut = -0.046 m
Theta
Entries 101676
Mean 4.771
Std Dev 0.4725
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

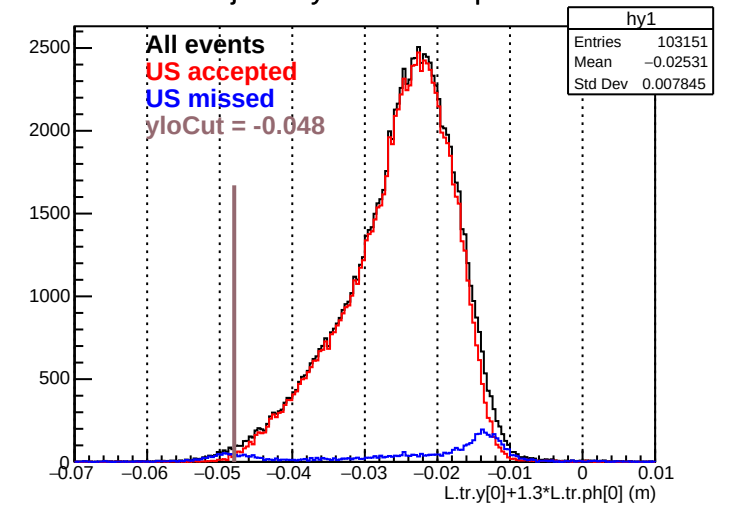

Asymmetry (ppm), yloCut = -0.046 m
Asym
Entries 101676
Mean 0.5693
Std Dev 0.07669
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

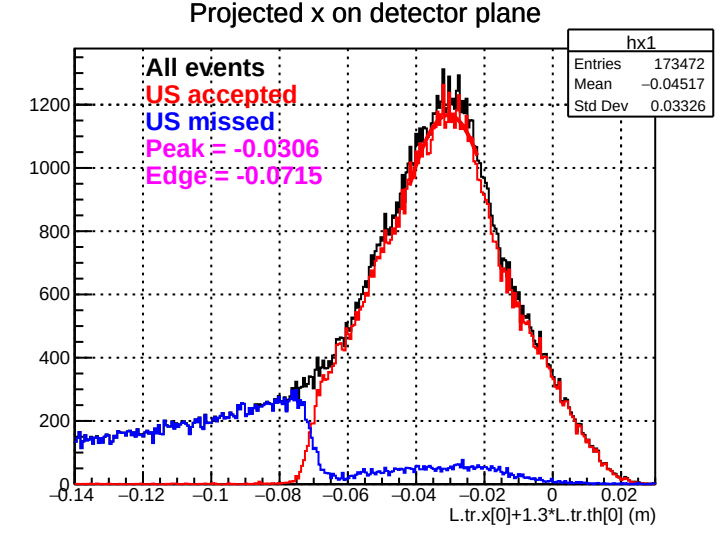

Stretched Asym. (ppm), yloCut = -0.046 m
SAsym
Entries 101676
Mean 0.5564
Std Dev 0.07273
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

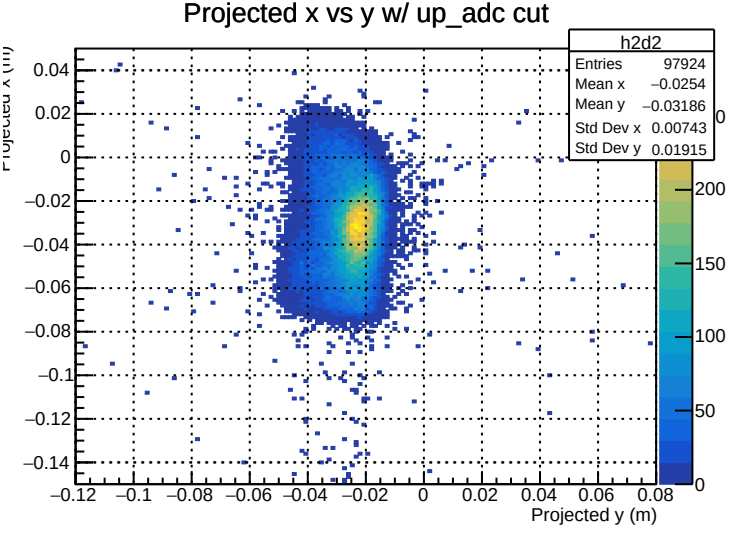

Q^2 (GeV/c)^2, yloCut = -0.046 m
Q2
Entries 101676
Mean 0.006291
Std Dev 0.001277
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

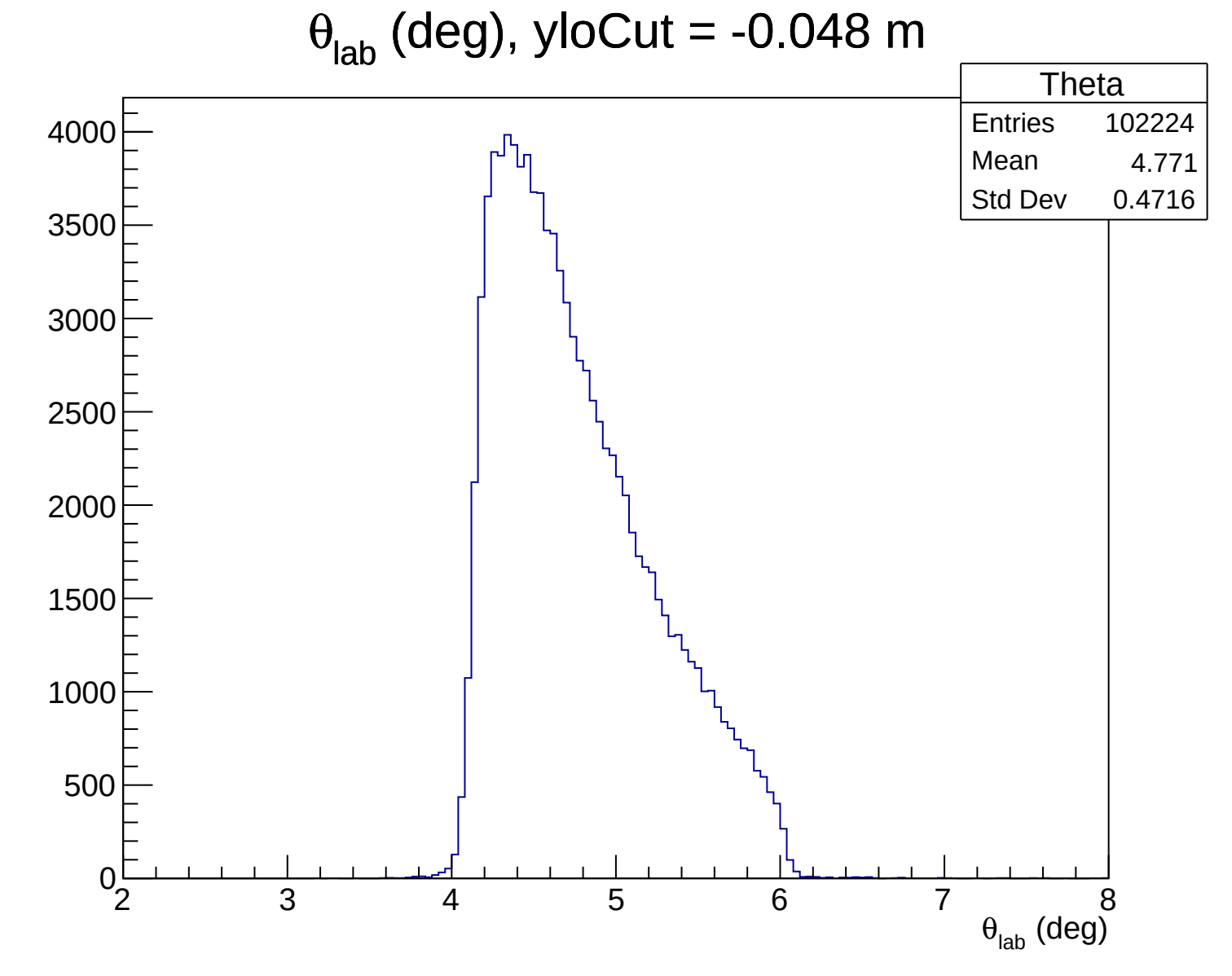

Sensitivity, yloCut = -0.046 m
sens
Entries 101676
Mean 0.0221
Std Dev 0.004061
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

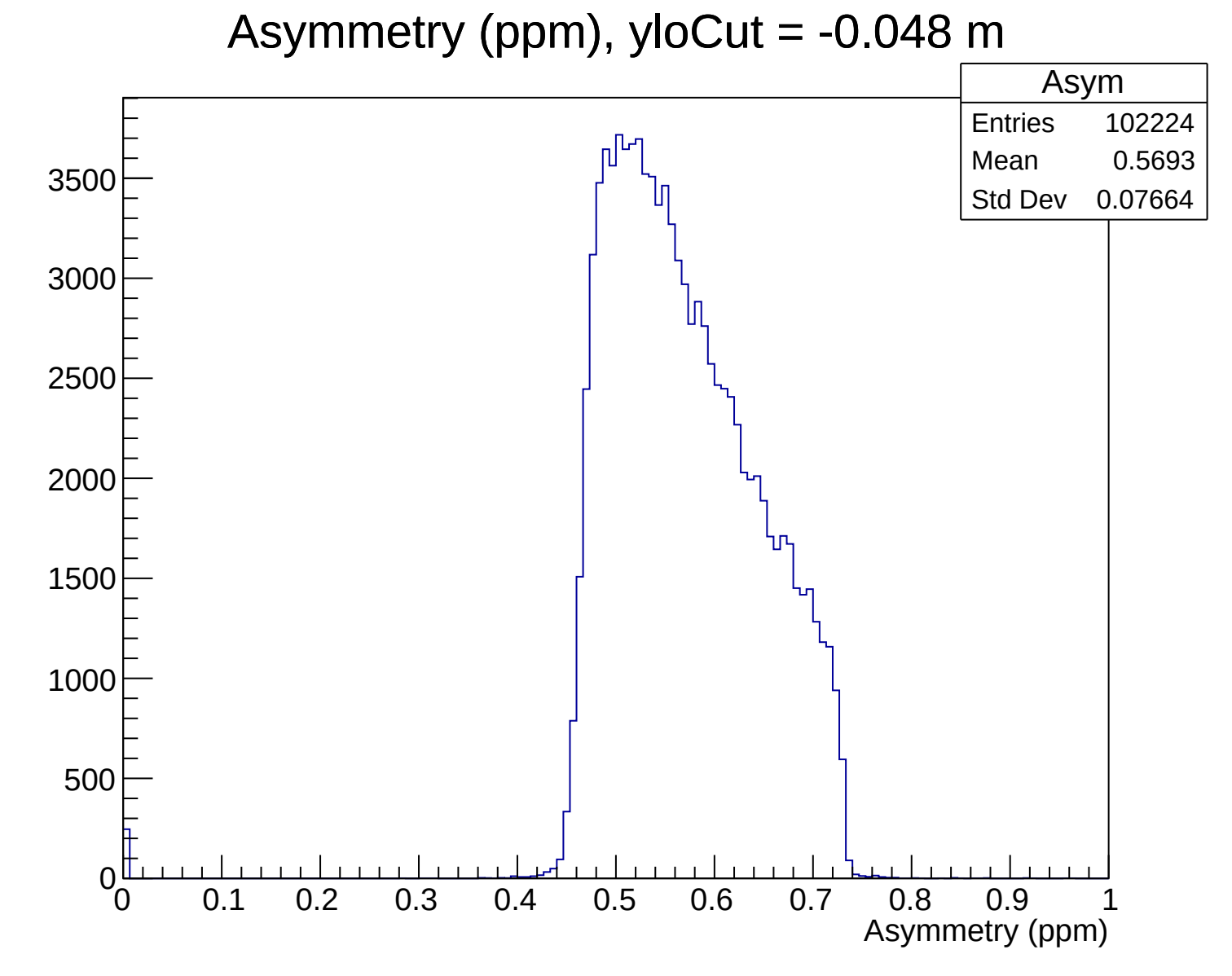

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

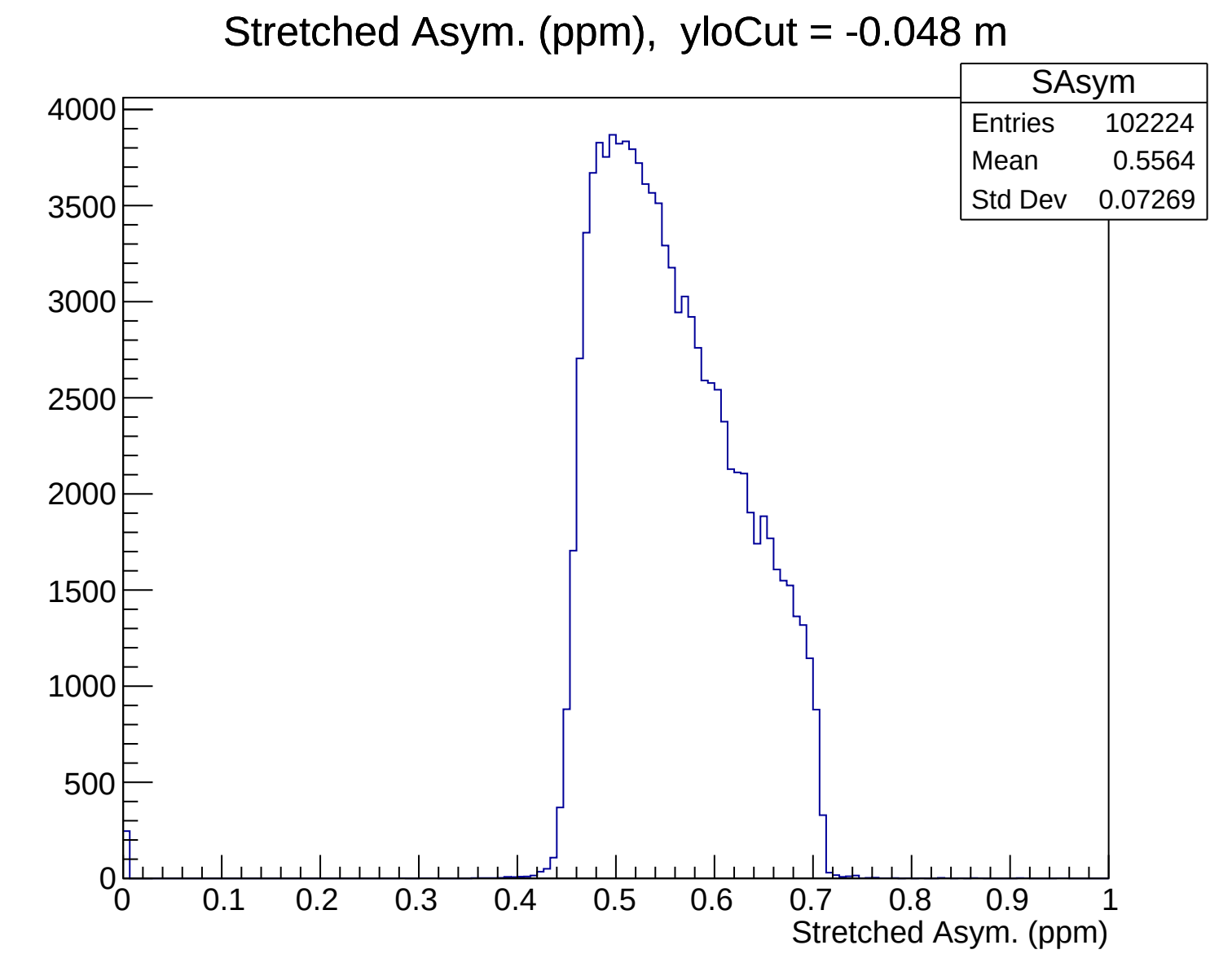

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.048
L.tr.y[0]+1.3*L.tr.ph[0] (m)

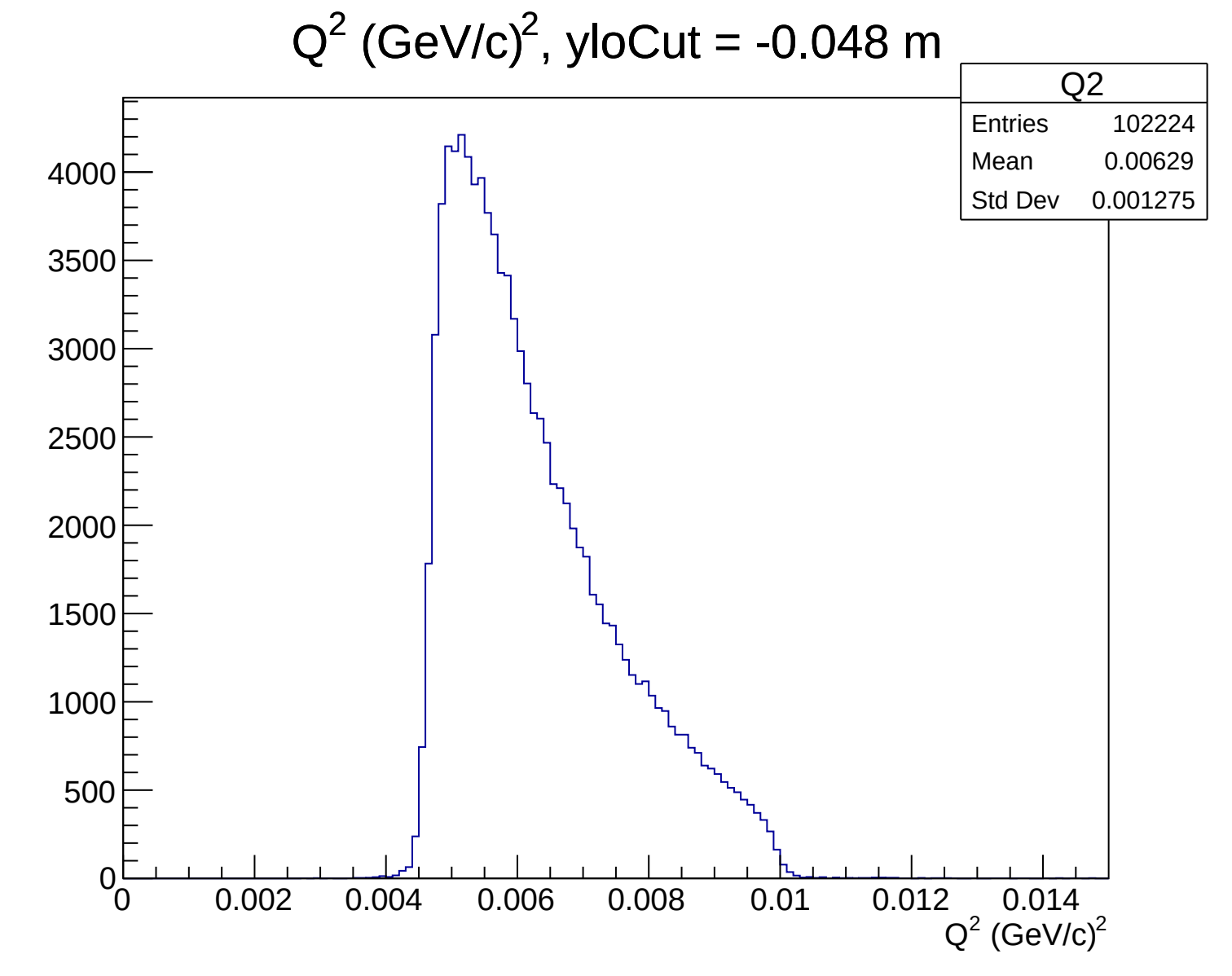

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

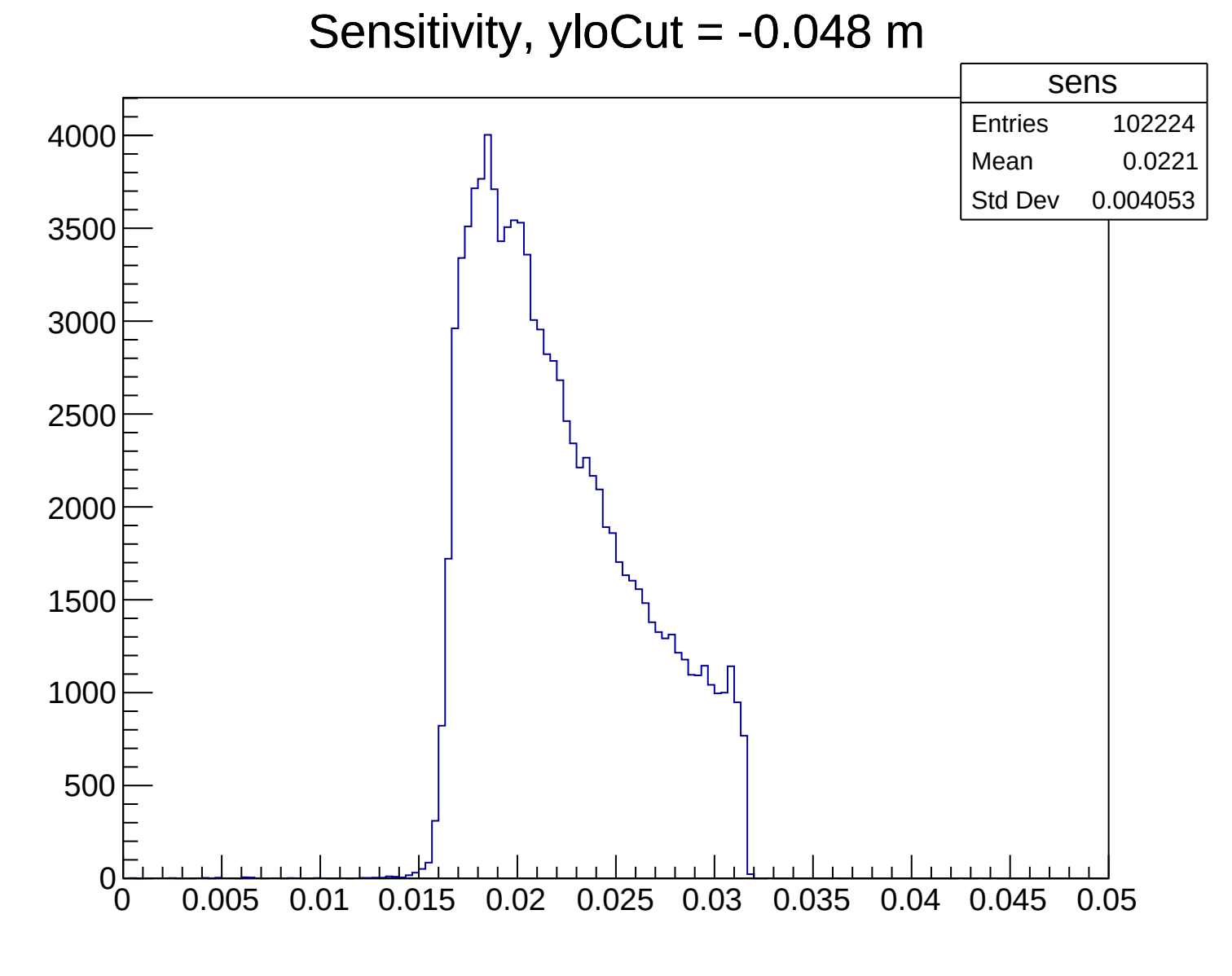

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

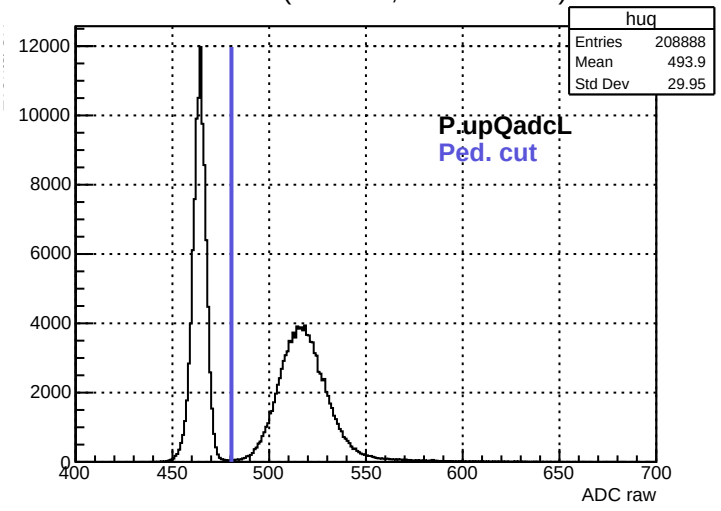

θlab (deg), yloCut = -0.048 m
Theta
Entries 102224
Mean 4.771
Std Dev 0.4716
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

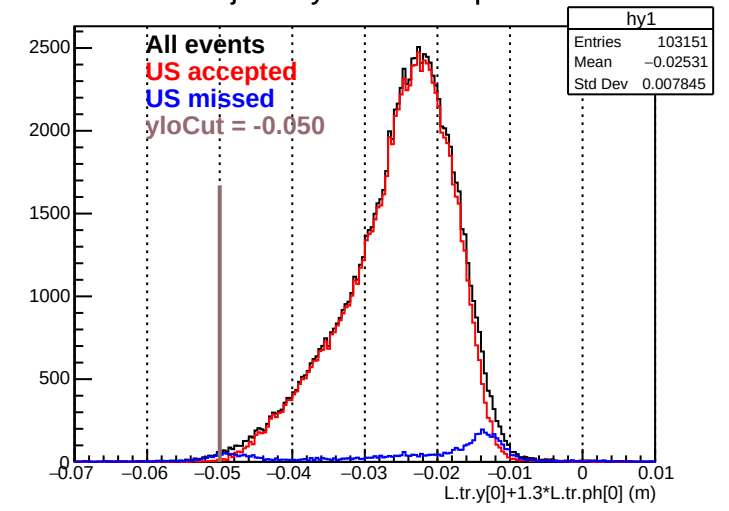

Asymmetry (ppm), yloCut = -0.048 m
Asym
Entries 102224
Mean 0.5693
Std Dev 0.07664
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

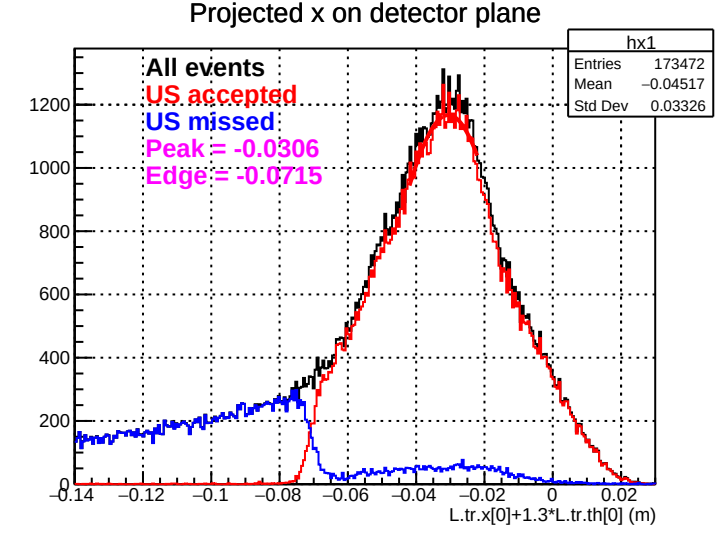

Stretched Asym. (ppm), yloCut = -0.048 m
SAsym
Entries 102224
Mean 0.5564
Std Dev 0.07269
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

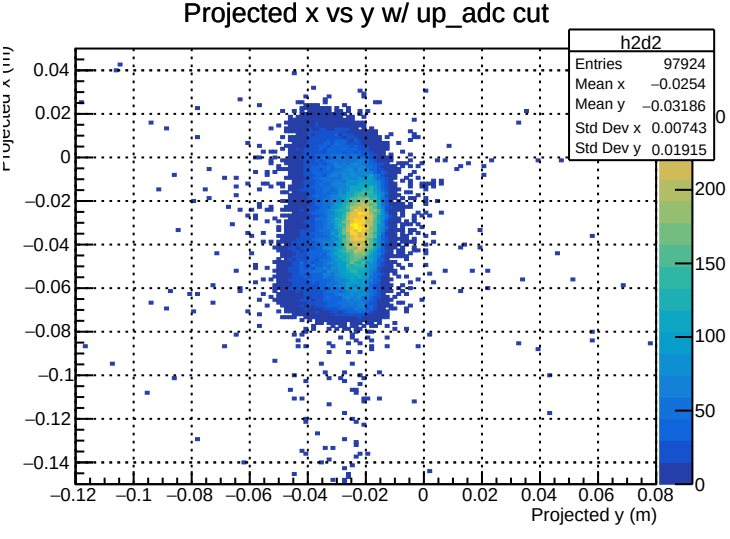

Q^2 (GeV/c)^2, yloCut = -0.048 m
Q2
Entries 102224
Mean 0.00629
Std Dev 0.001275
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

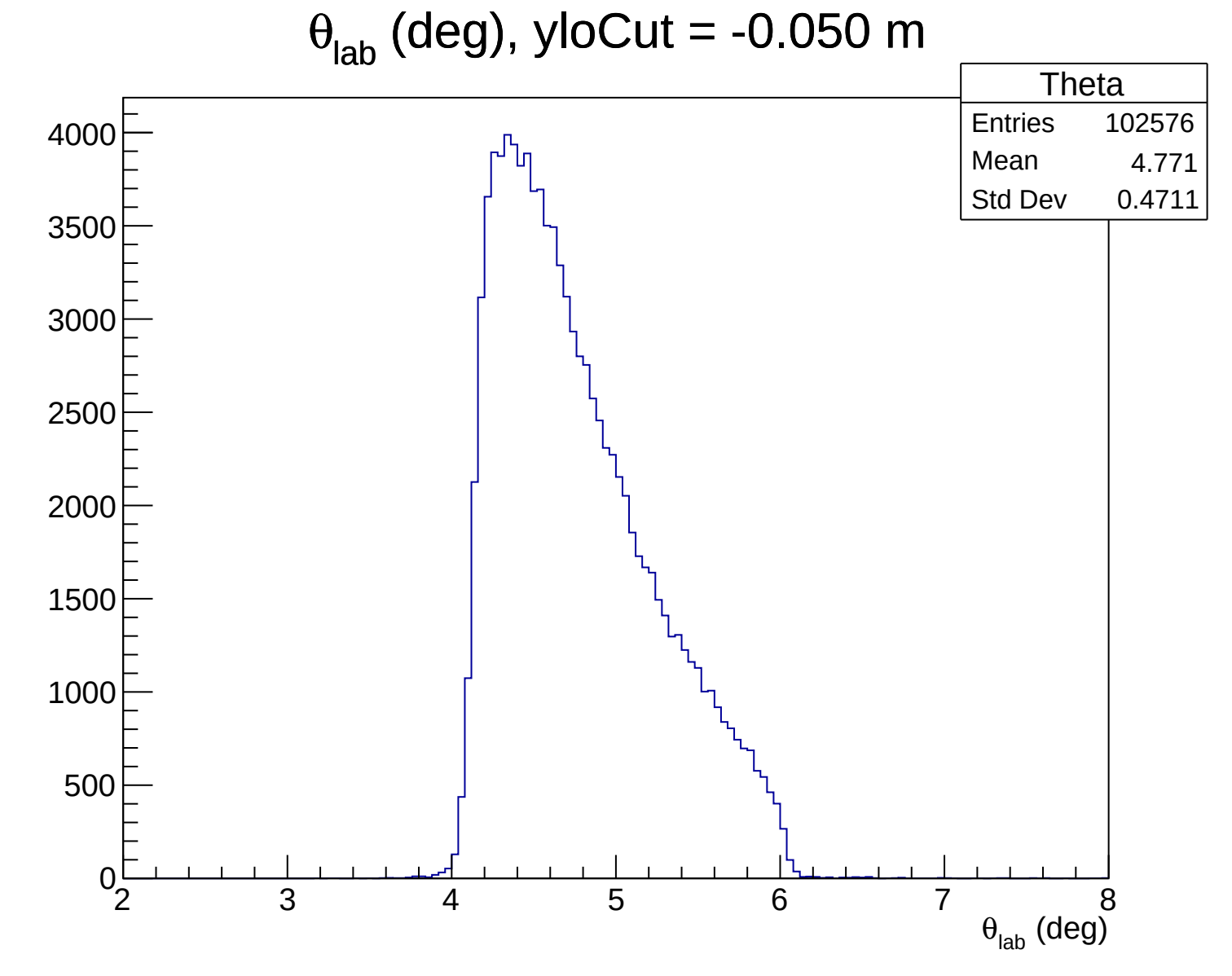

Sensitivity, yloCut = -0.048 m
sens
Entries 102224
Mean 0.0221
Std Dev 0.004053
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

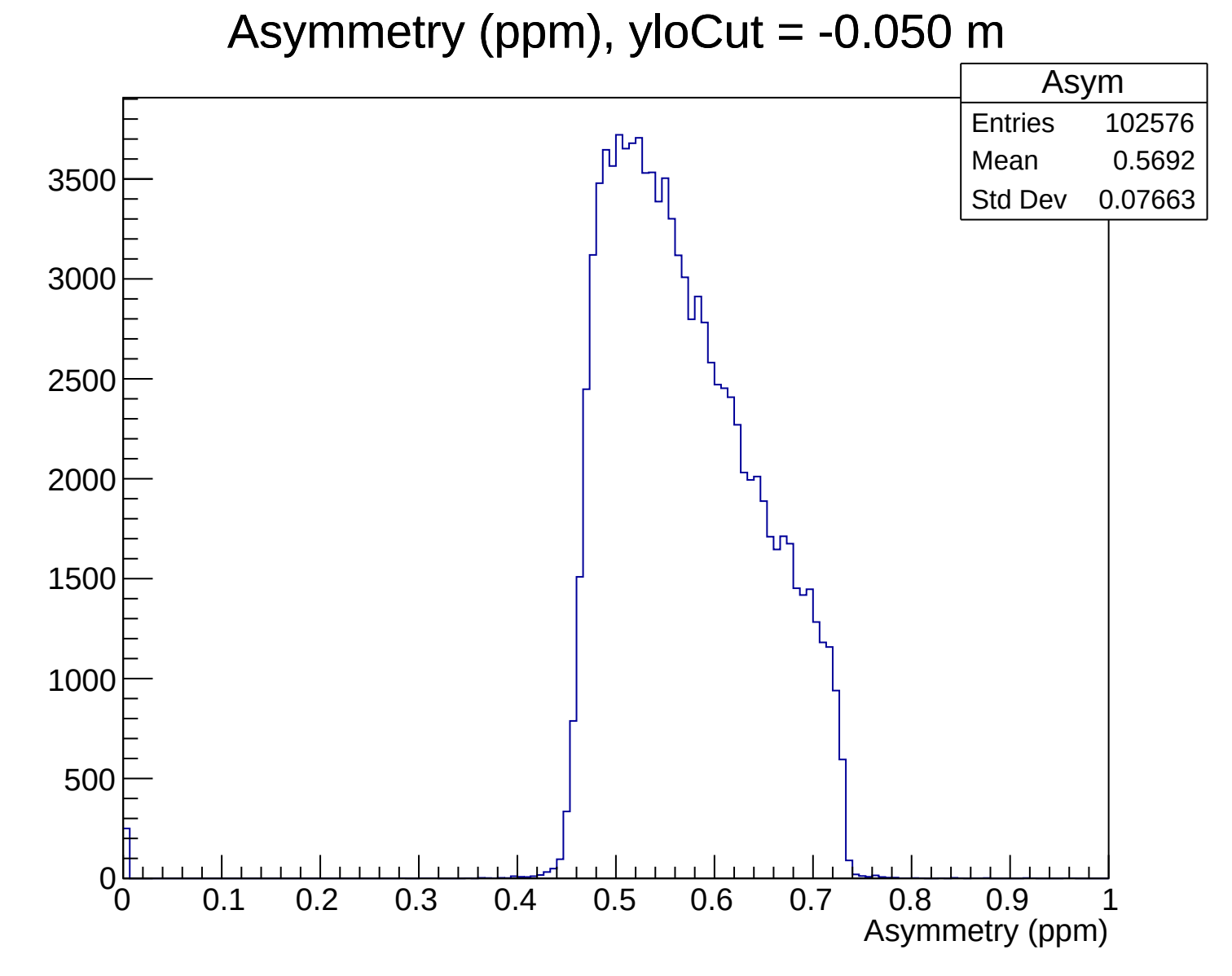

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

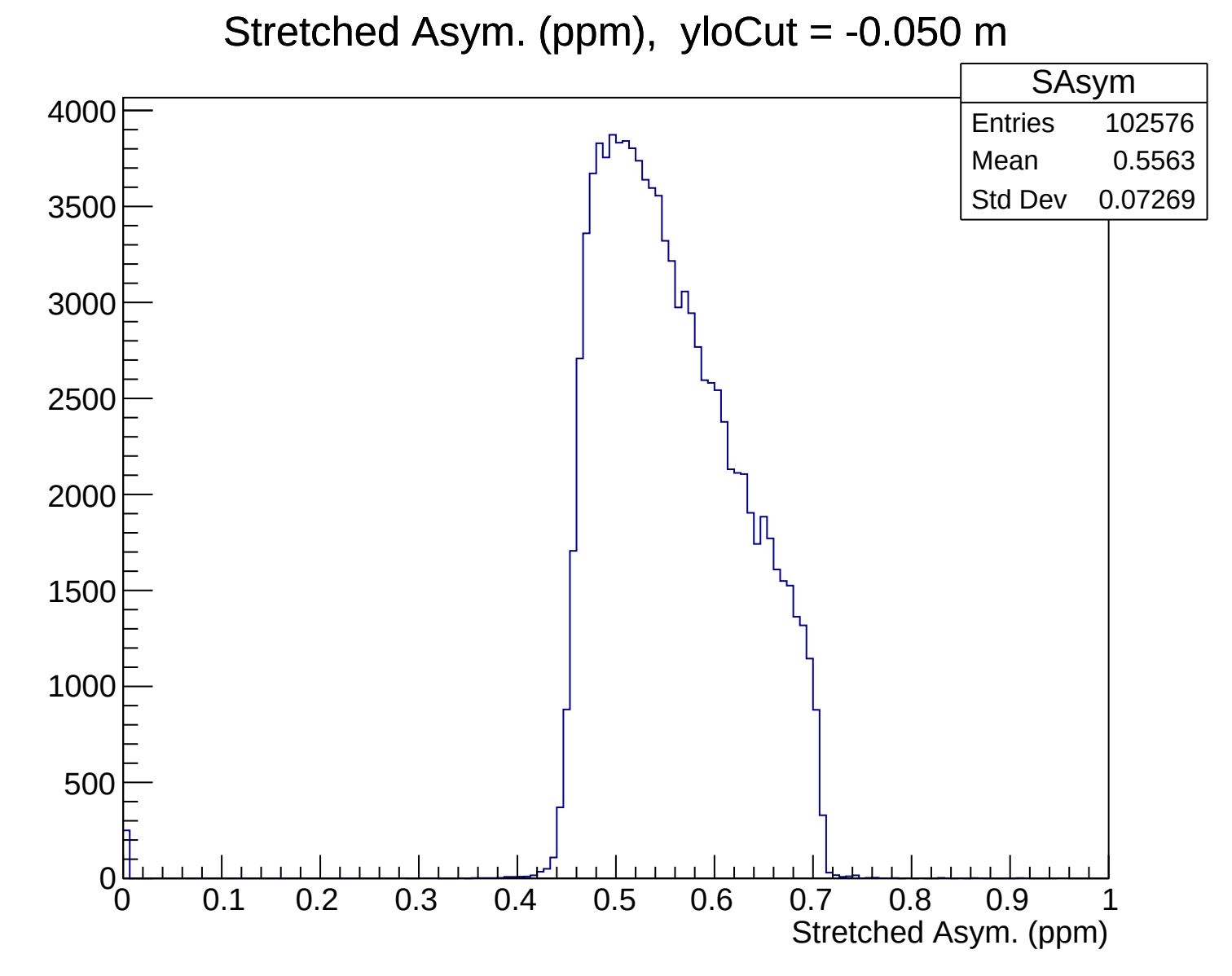

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.050
L.tr.y[0]+1.3*L.tr.ph[0] (m)

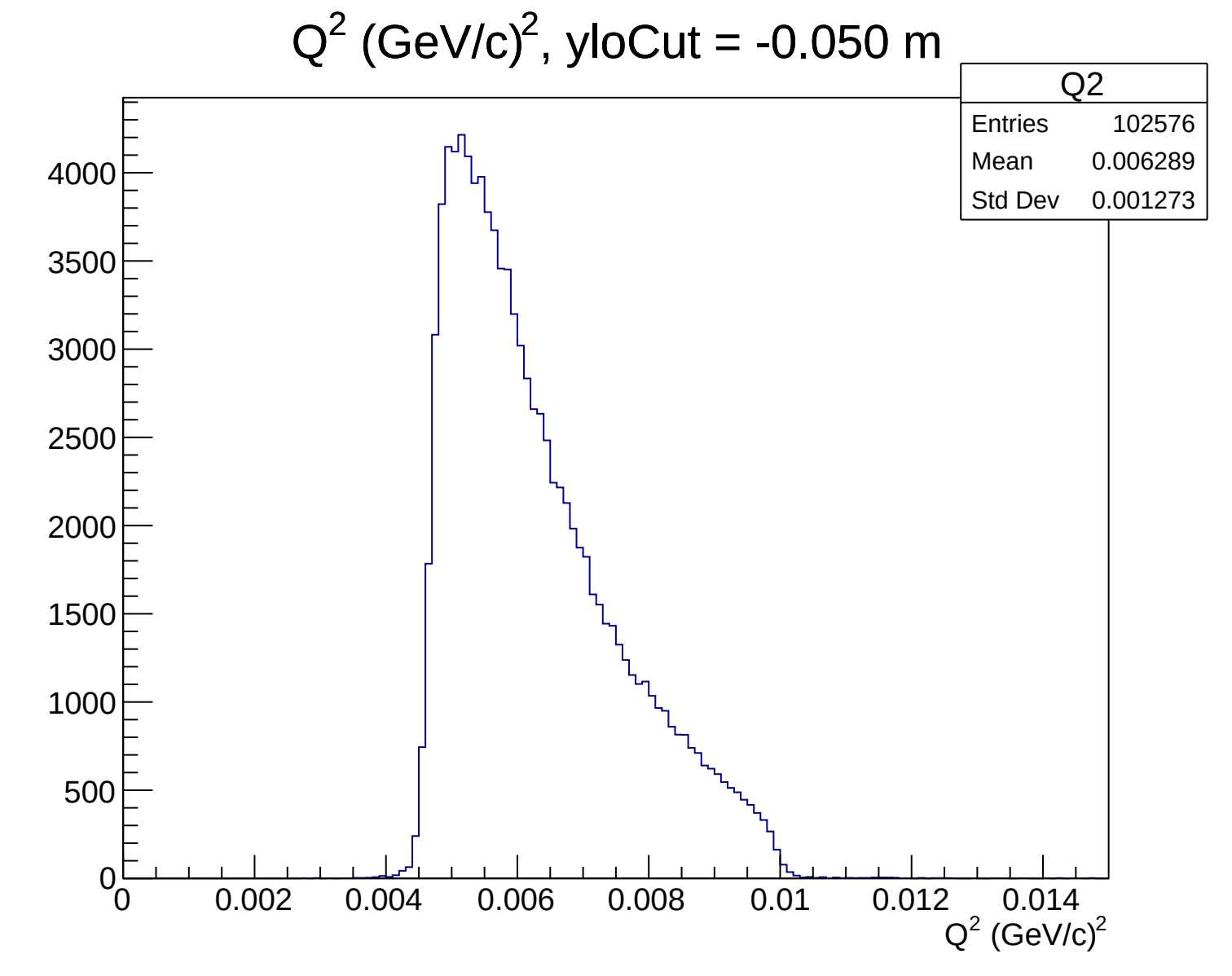

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

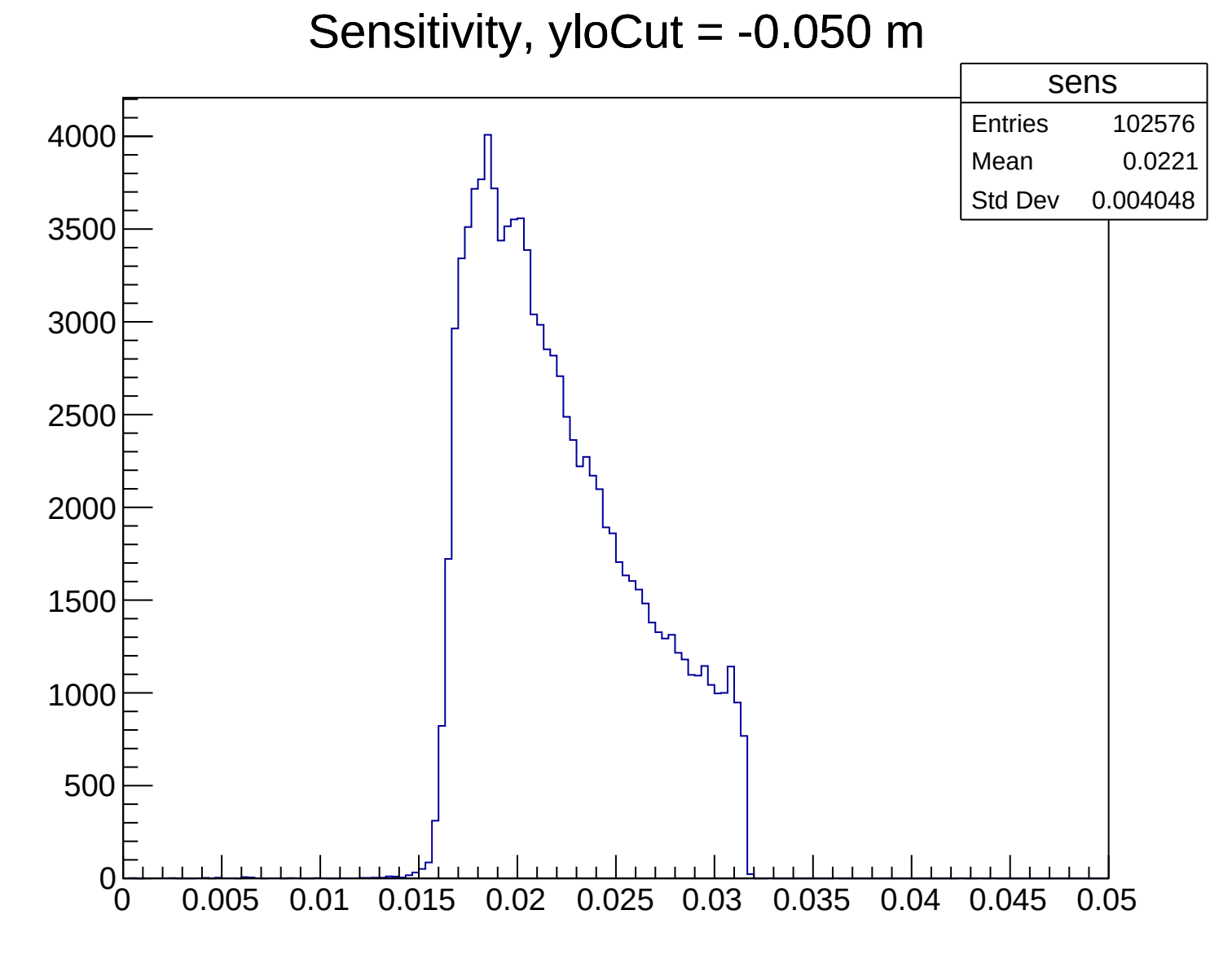

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

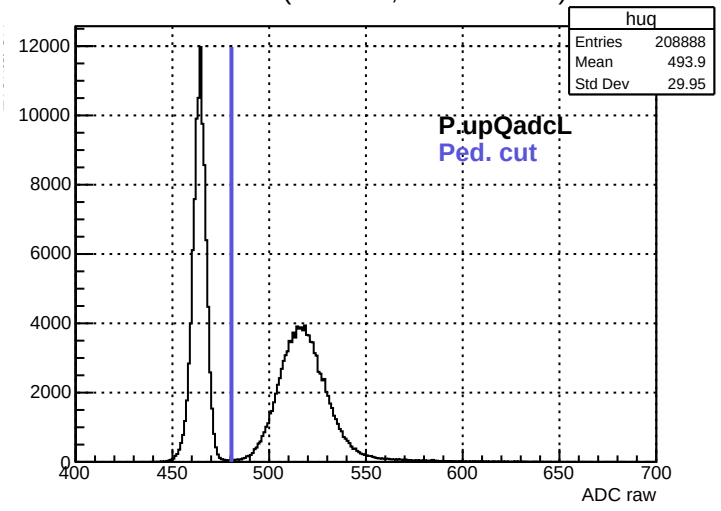

θlab (deg), yloCut = -0.050 m
Theta
Entries 102576
Mean 4.771
Std Dev 0.4711
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

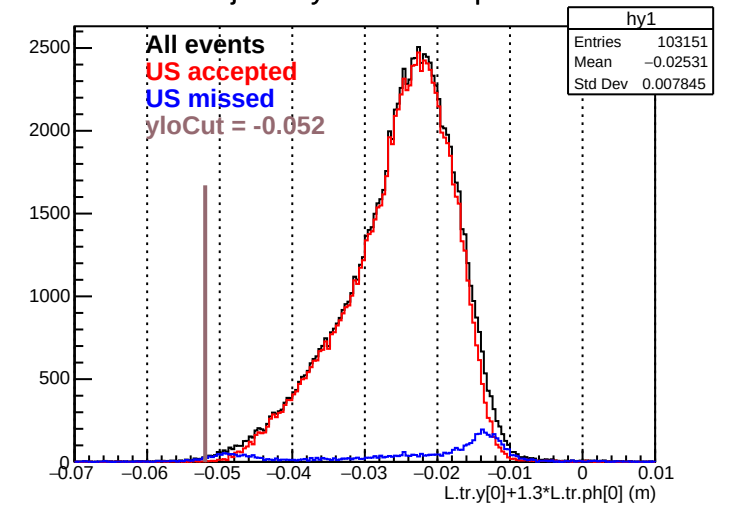

Asymmetry (ppm), yloCut = -0.050 m
Asym
Entries 102576
Mean 0.5692
Std Dev 0.07663
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

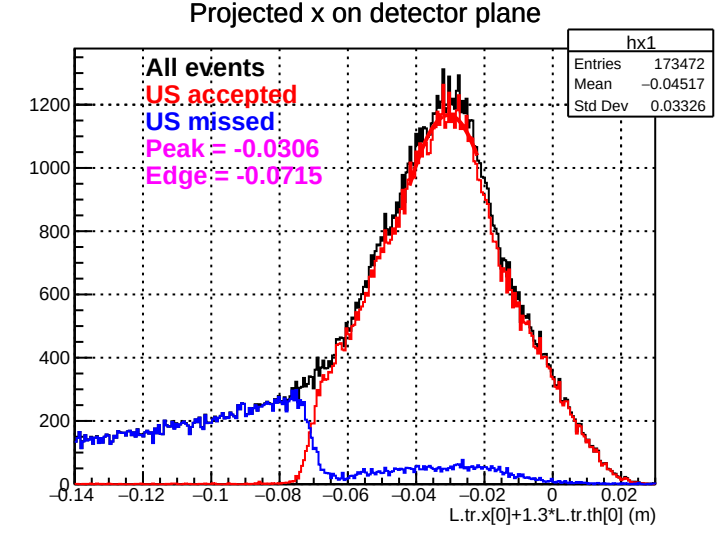

Stretched Asym. (ppm), yloCut = -0.050 m
SAsym
Entries 102576
Mean 0.5563
Std Dev 0.07269
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

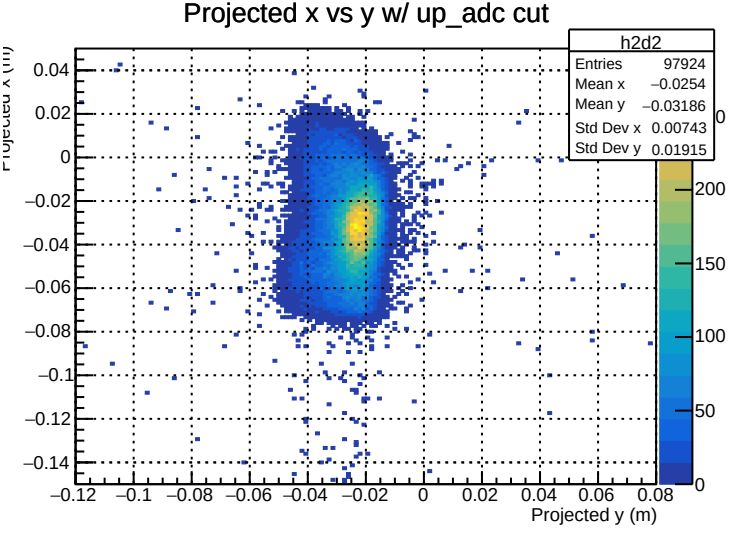

Q^2 (GeV/c)^2, yloCut = -0.050 m
Q2
Entries 102576
Mean 0.006289
Std Dev 0.001273
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

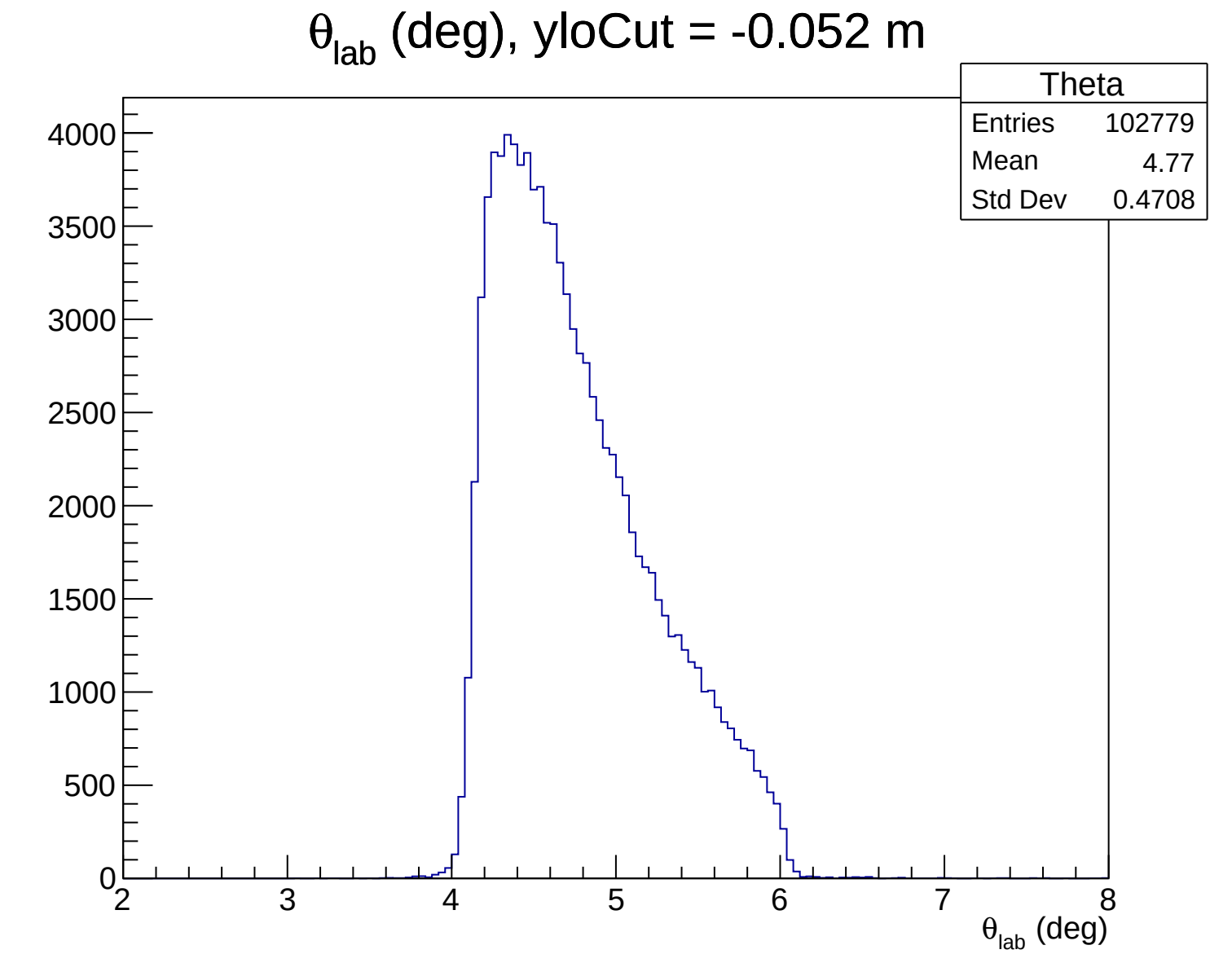

Sensitivity, yloCut = -0.050 m
sens
Entries 102576
Mean 0.0221
Std Dev 0.004048
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

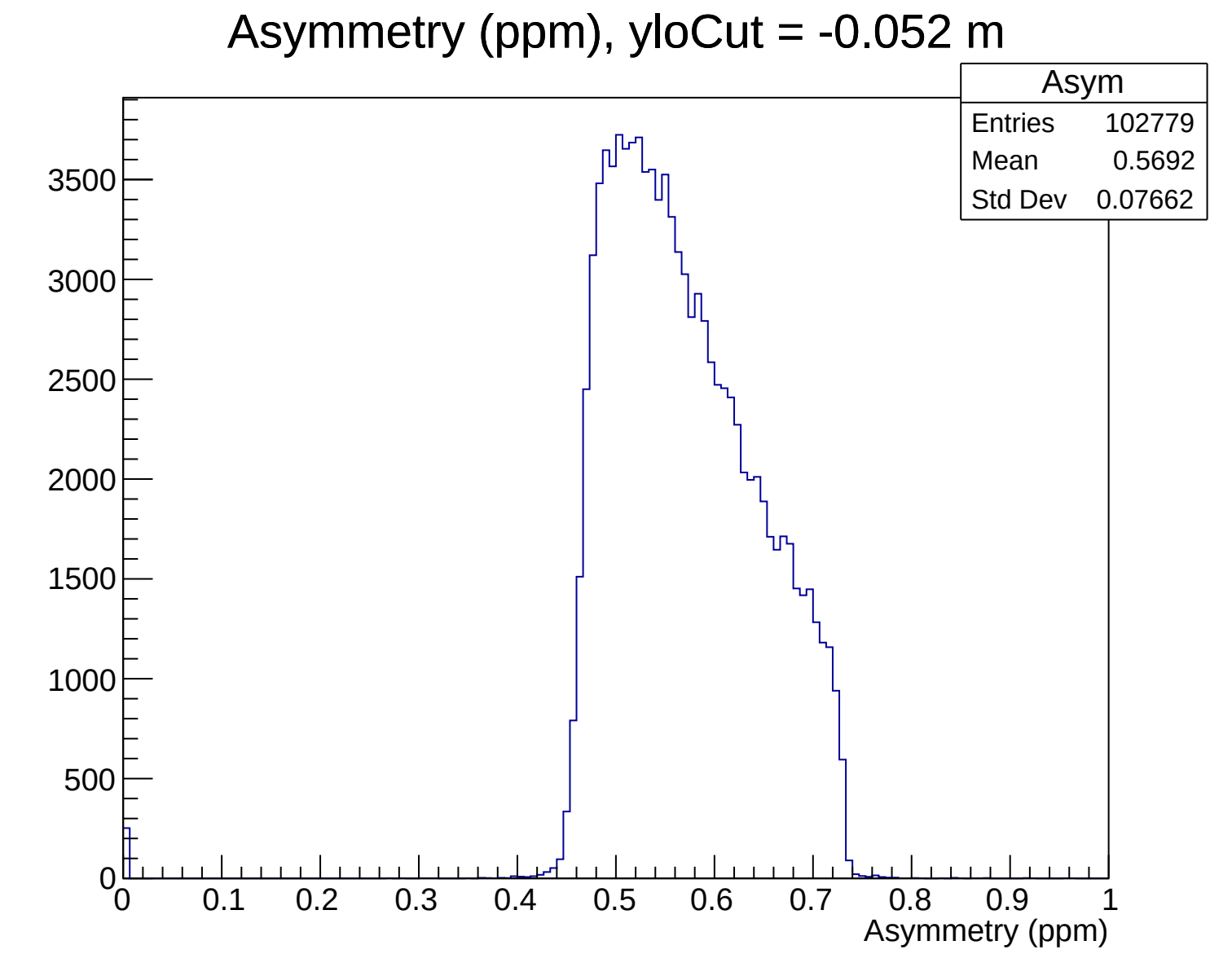

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

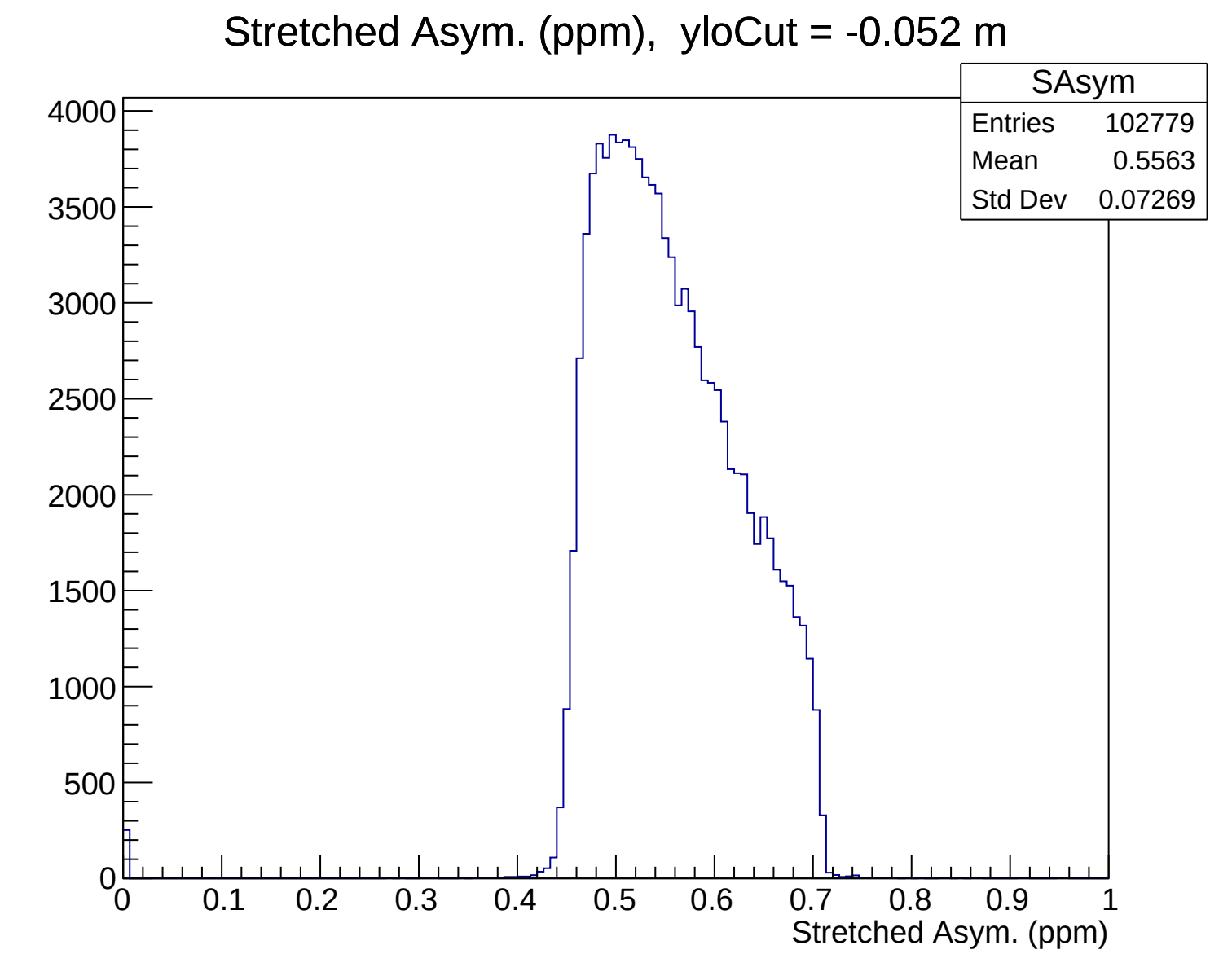

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.052
L.tr.y[0]+1.3*L.tr.ph[0] (m)

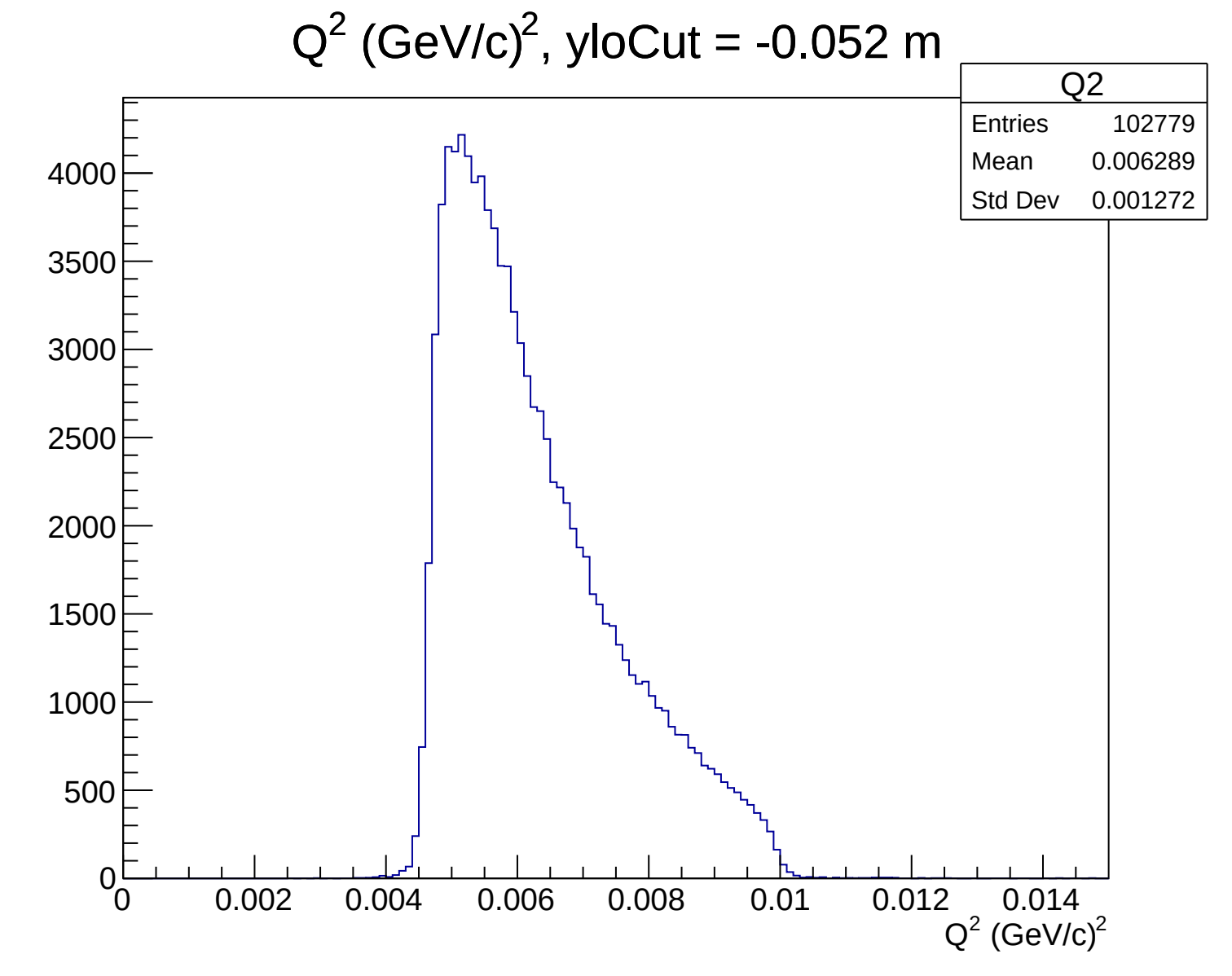

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

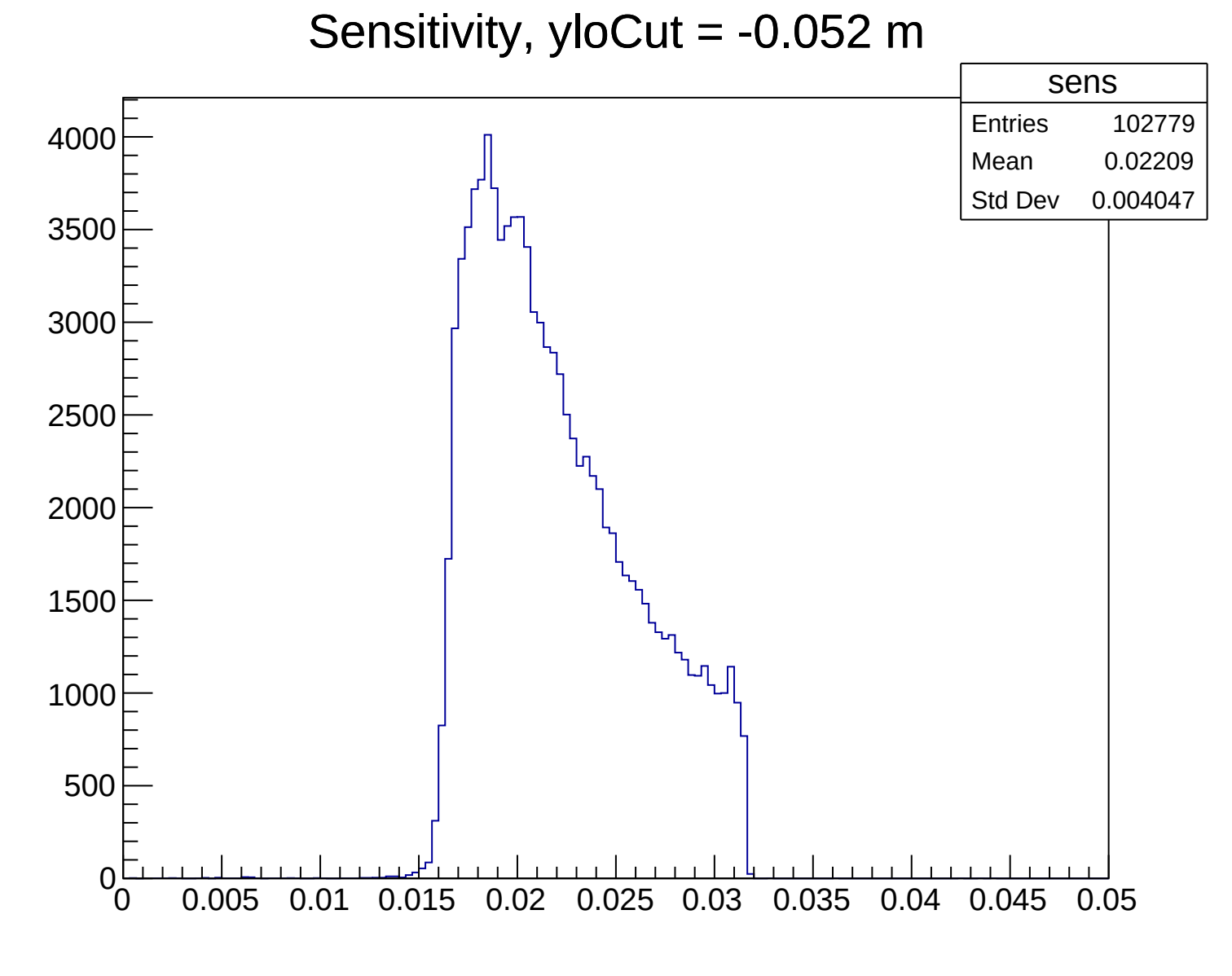

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

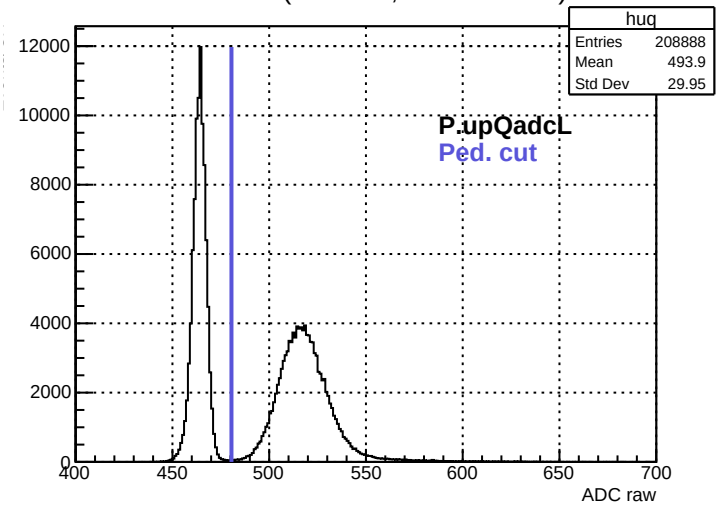

θlab (deg), yloCut = -0.052 m
Theta
Entries 102779
Mean 4.77
Std Dev 0.4708
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

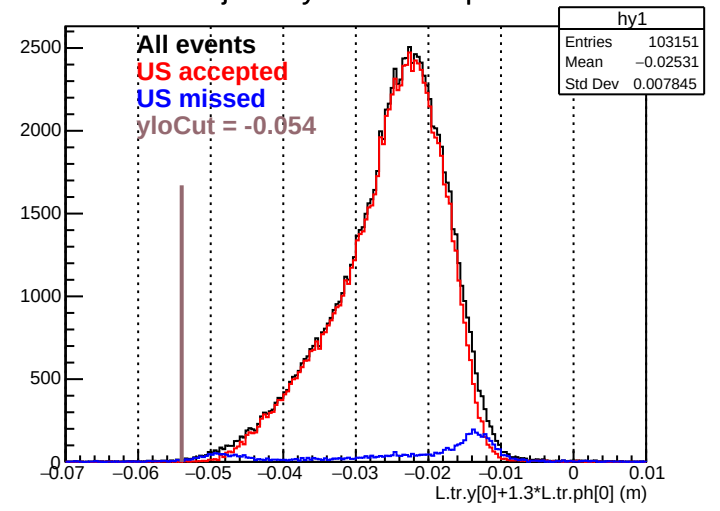

Asymmetry (ppm), yloCut = -0.052 m
Asym
Entries 102779
Mean 0.5692
Std Dev 0.07662
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

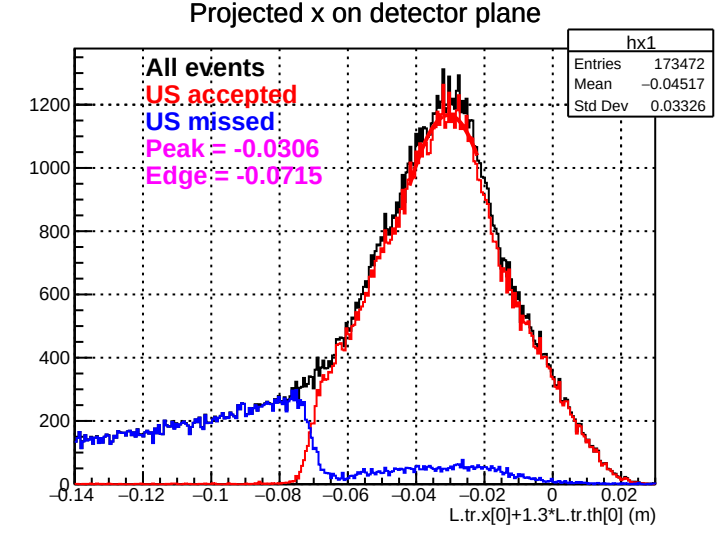

Stretched Asym. (ppm), yloCut = -0.052 m
SAsym
Entries 102779
Mean 0.5563
Std Dev 0.07269
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

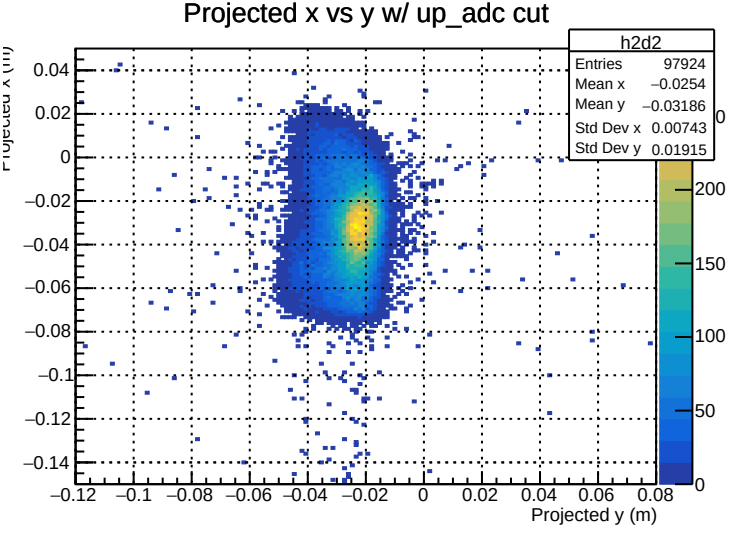

Q^2 (GeV/c)^2, yloCut = -0.052 m
Q2
Entries 102779
Mean 0.006289
Std Dev 0.001272
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

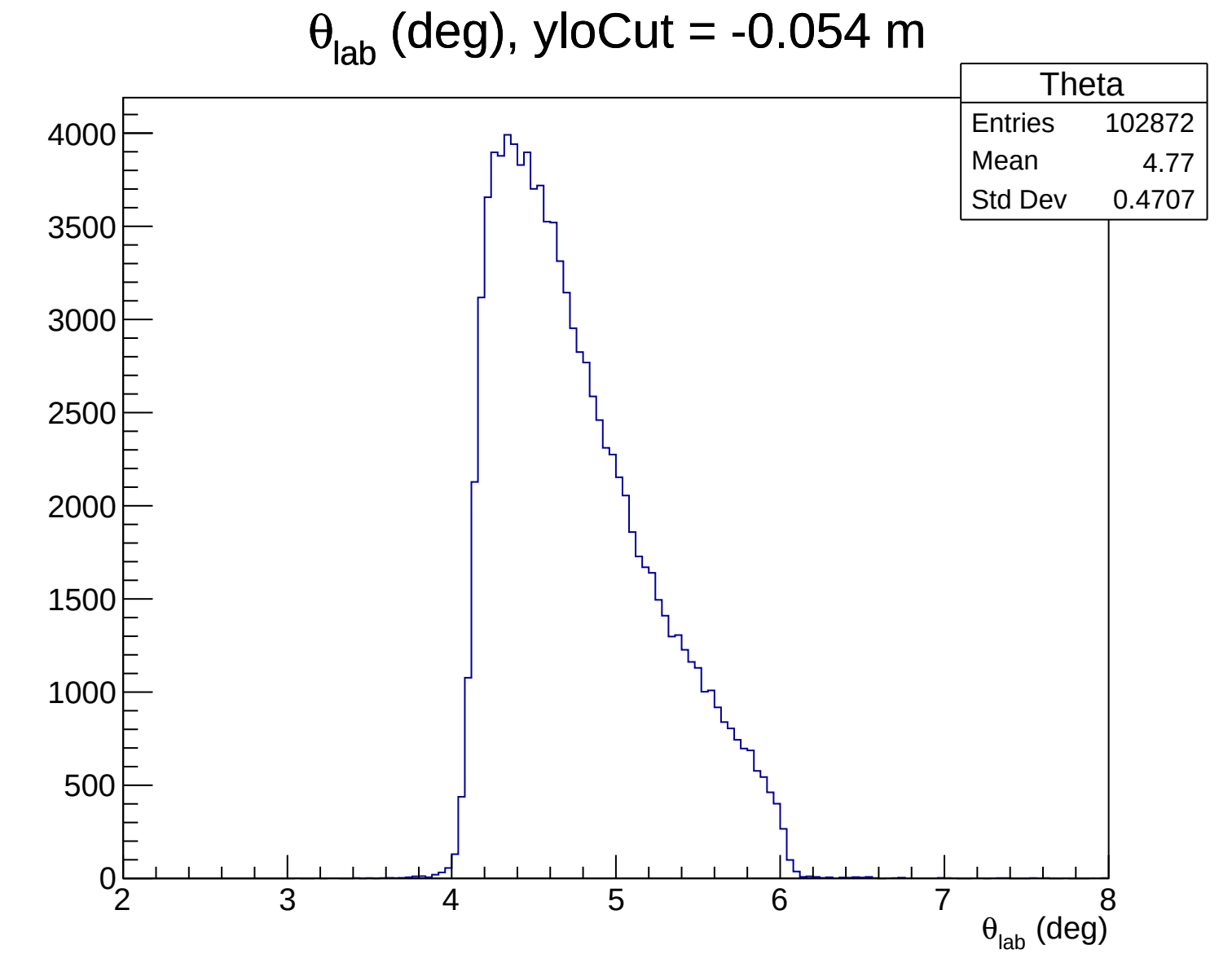

Sensitivity, yloCut = -0.052 m
sens
Entries 102779
Mean 0.02209
Std Dev 0.004047
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

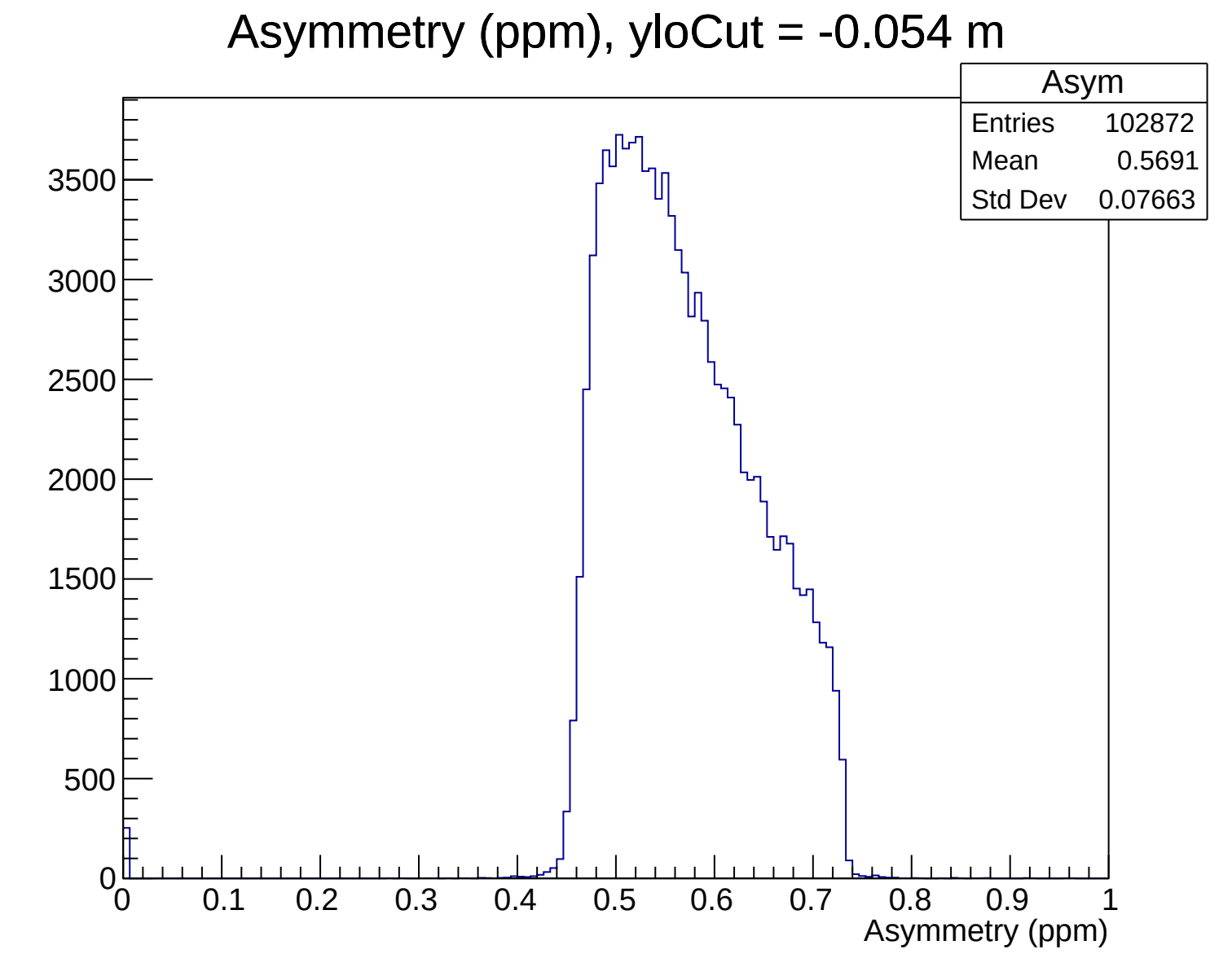

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

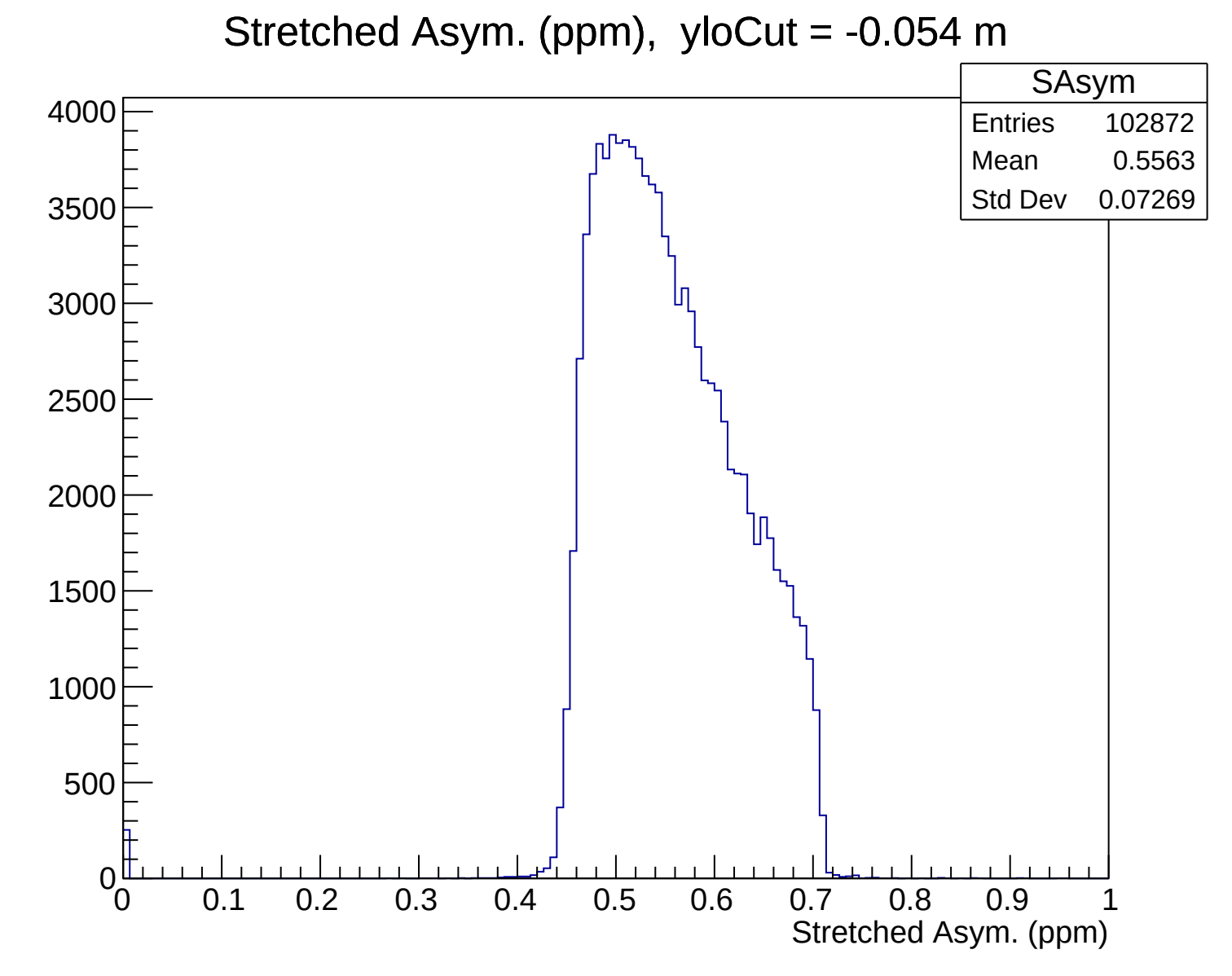

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.054
L.tr.y[0]+1.3*L.tr.ph[0] (m)

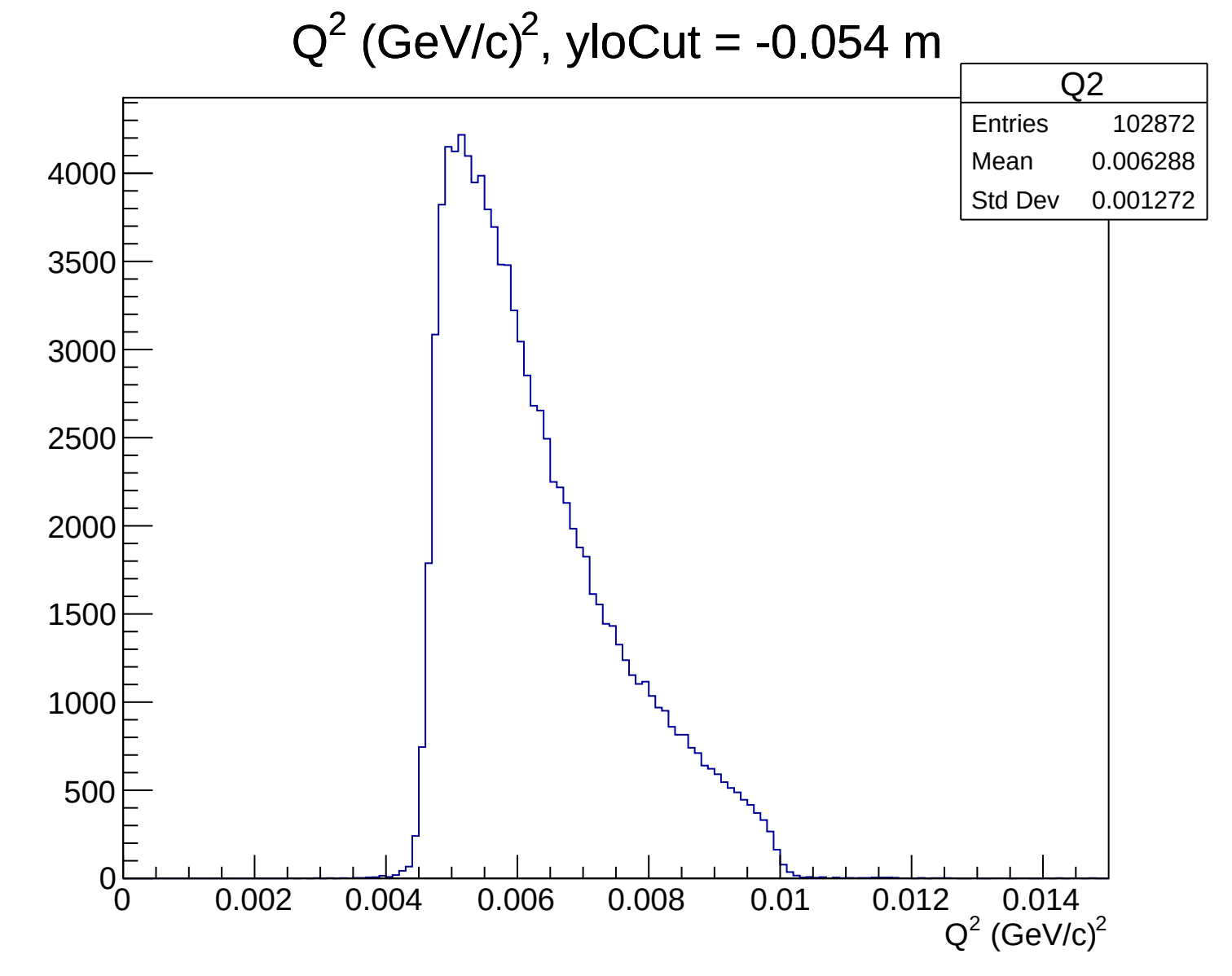

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

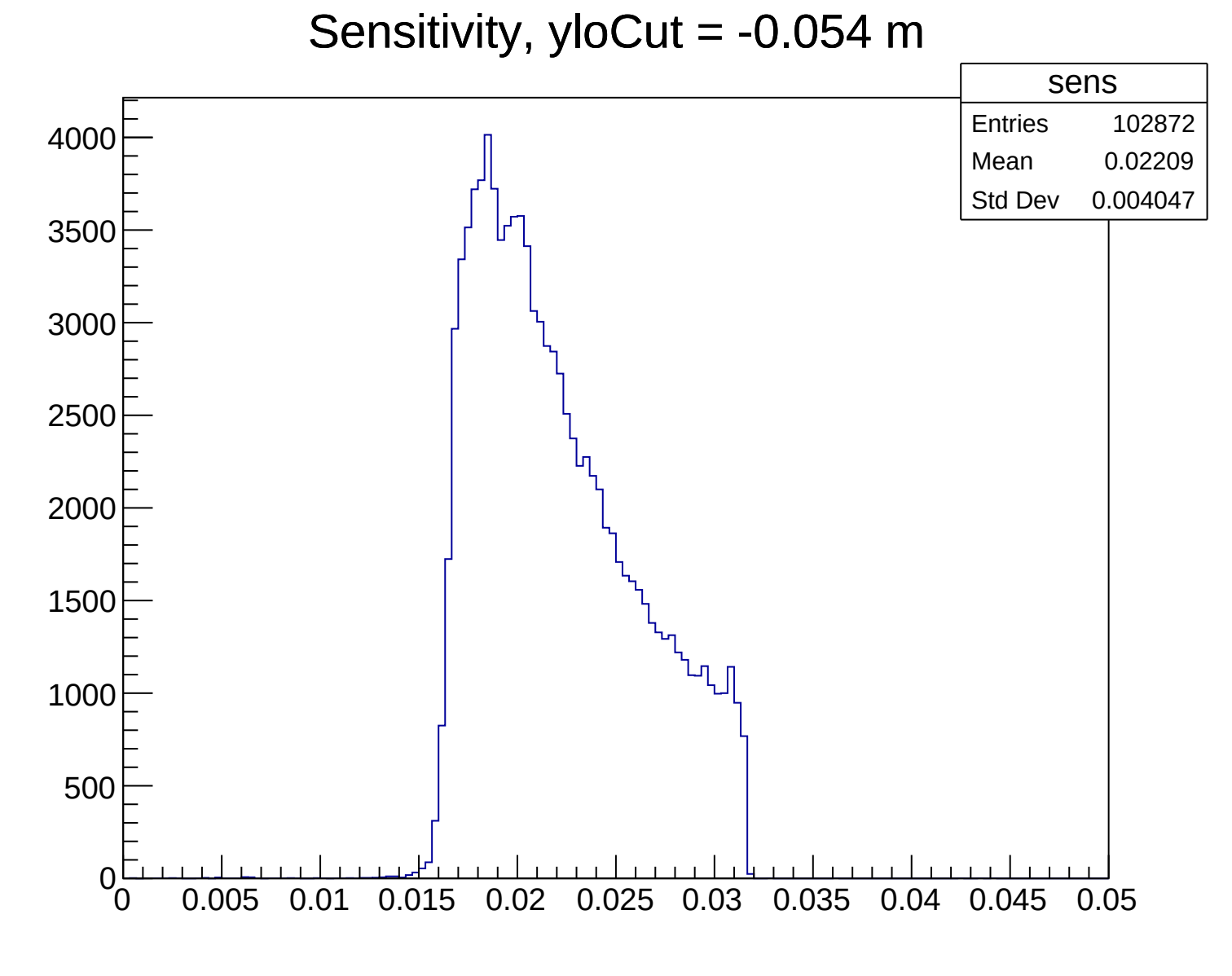

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

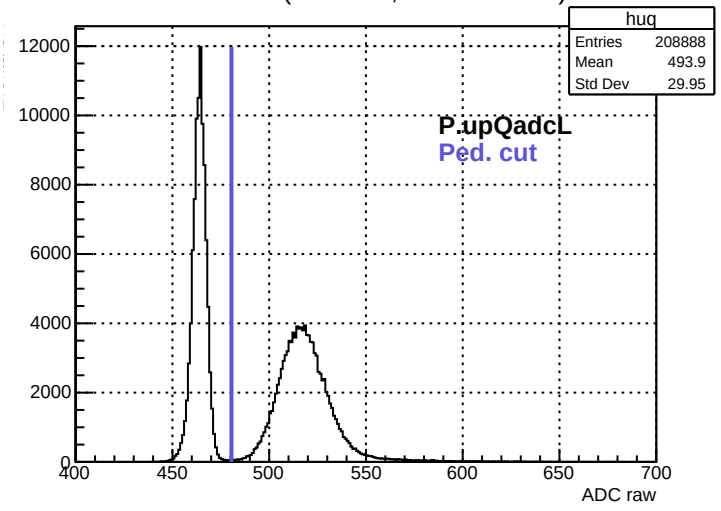

θlab (deg), yloCut = -0.054 m
Theta
Entries 102872
Mean 4.77
Std Dev 0.4707
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

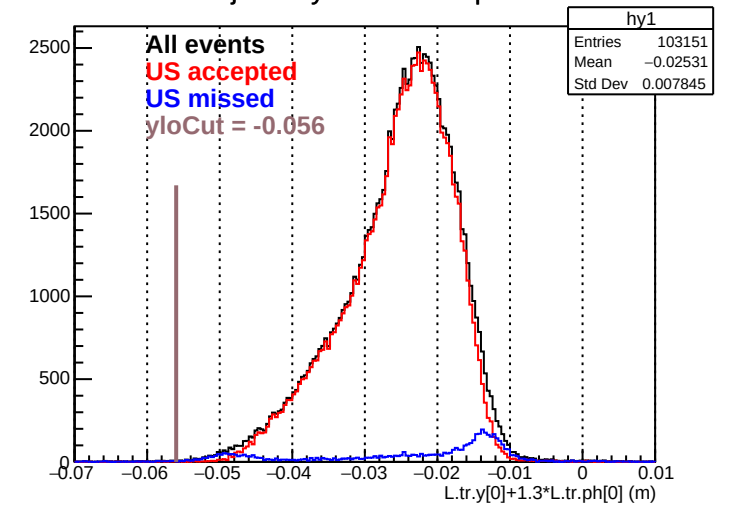

Asymmetry (ppm), yloCut = -0.054 m
Asym
Entries 102872
Mean 0.5691
Std Dev 0.07663
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

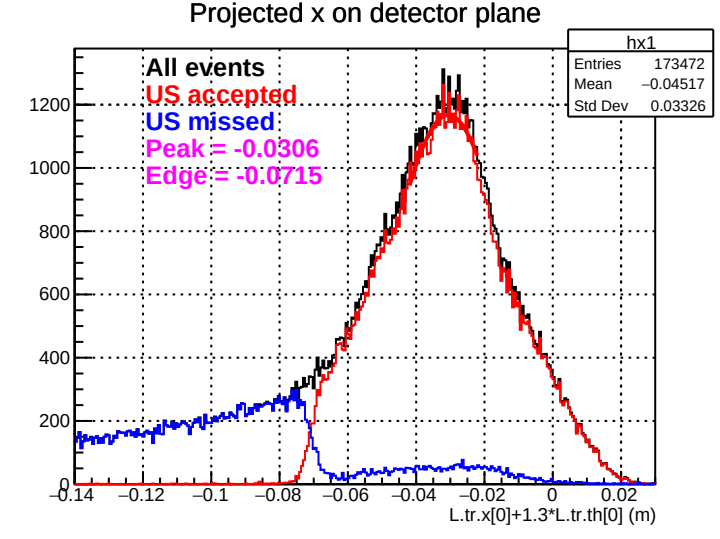

Stretched Asym. (ppm), yloCut = -0.054 m
SAsym
Entries 102872
Mean 0.5563
Std Dev 0.07269
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

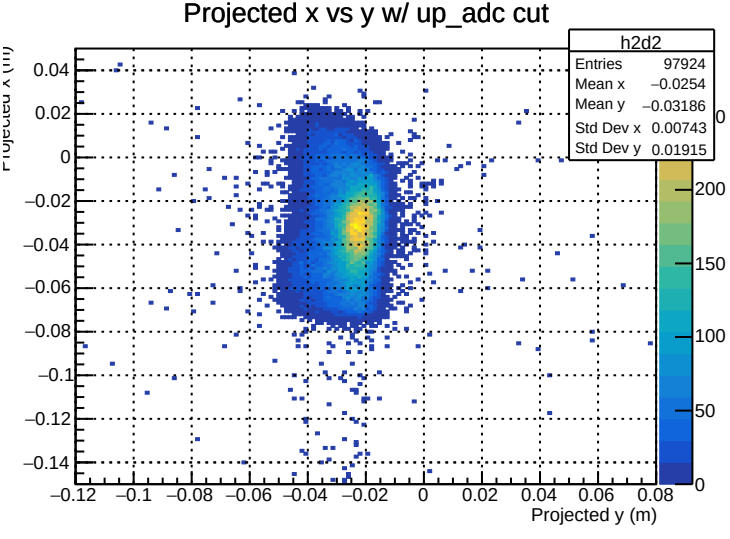

Q^2 (GeV/c)^2, yloCut = -0.054 m
Q2
Entries 102872
Mean 0.006288
Std Dev 0.001272
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

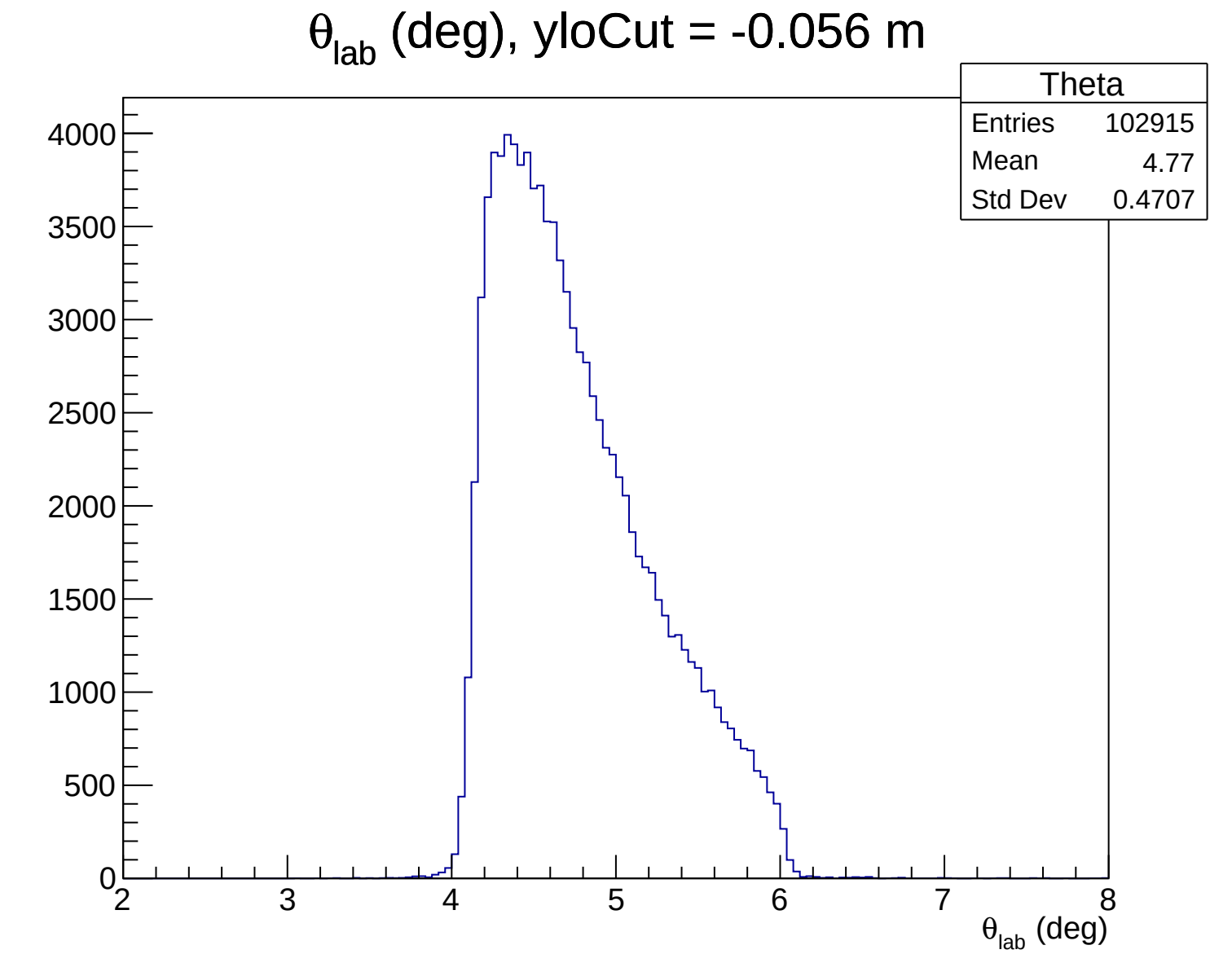

Sensitivity, yloCut = -0.054 m
sens
Entries 102872
Mean 0.02209
Std Dev 0.004047
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

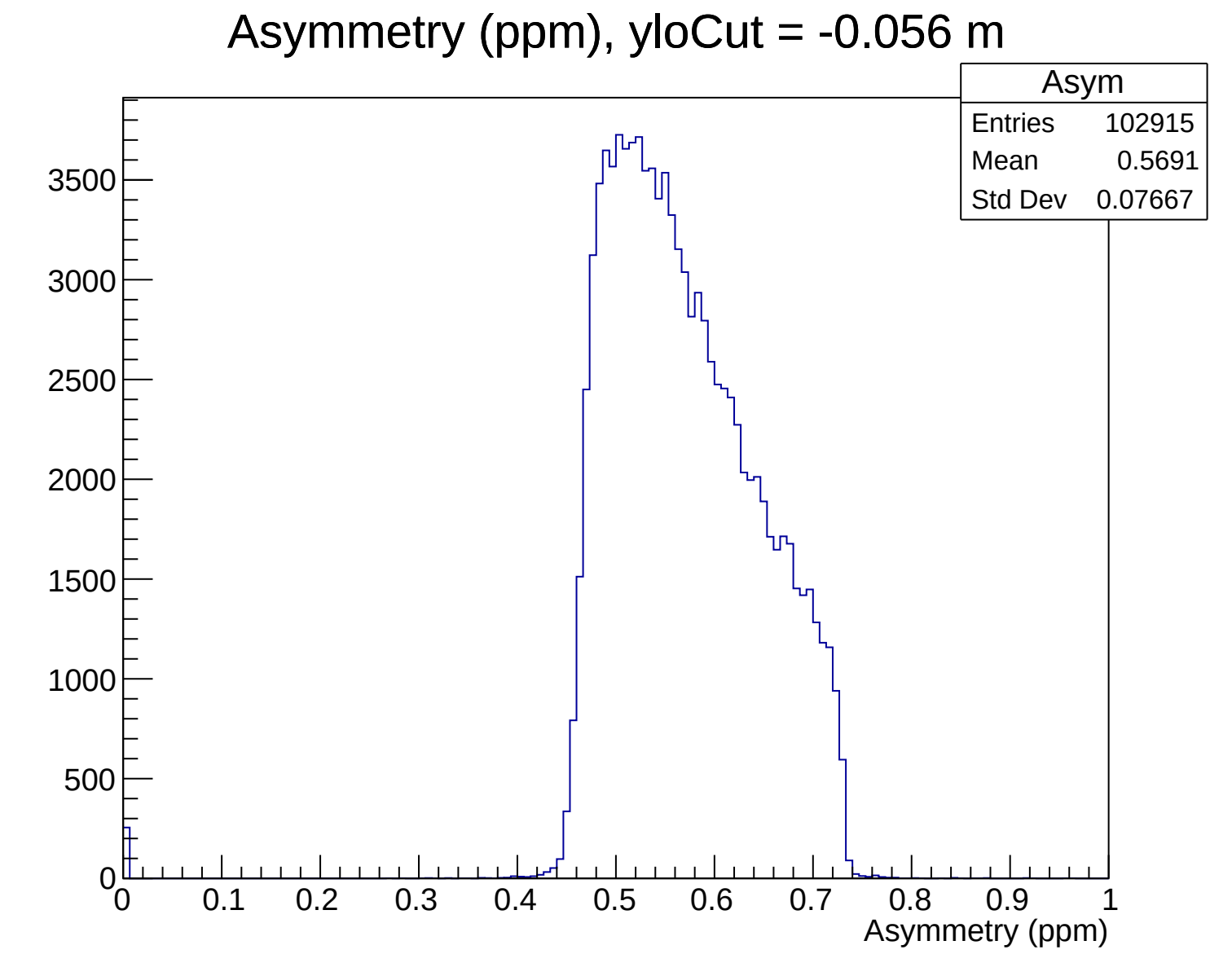

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

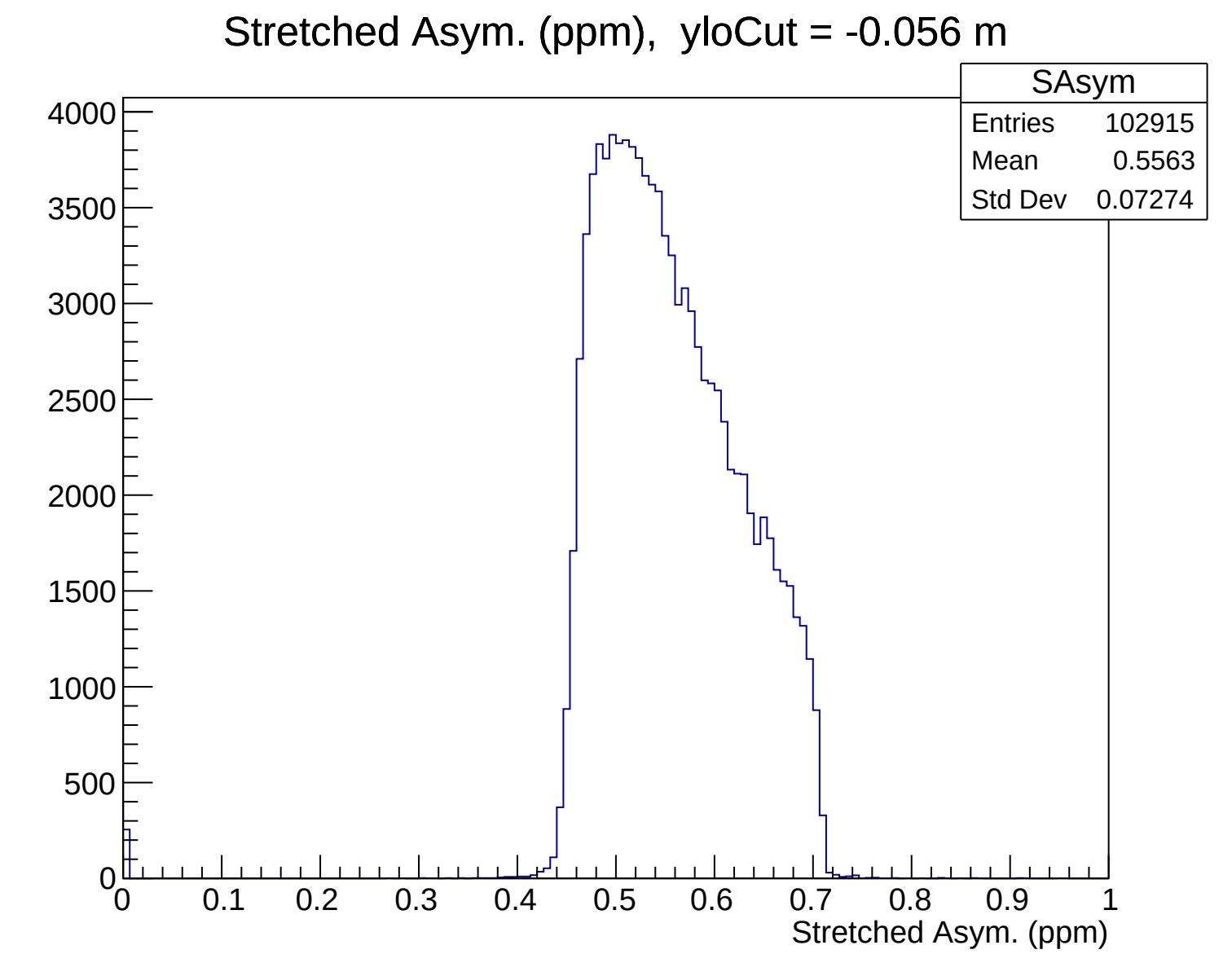

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.056
L.tr.y[0]+1.3*L.tr.ph[0] (m)

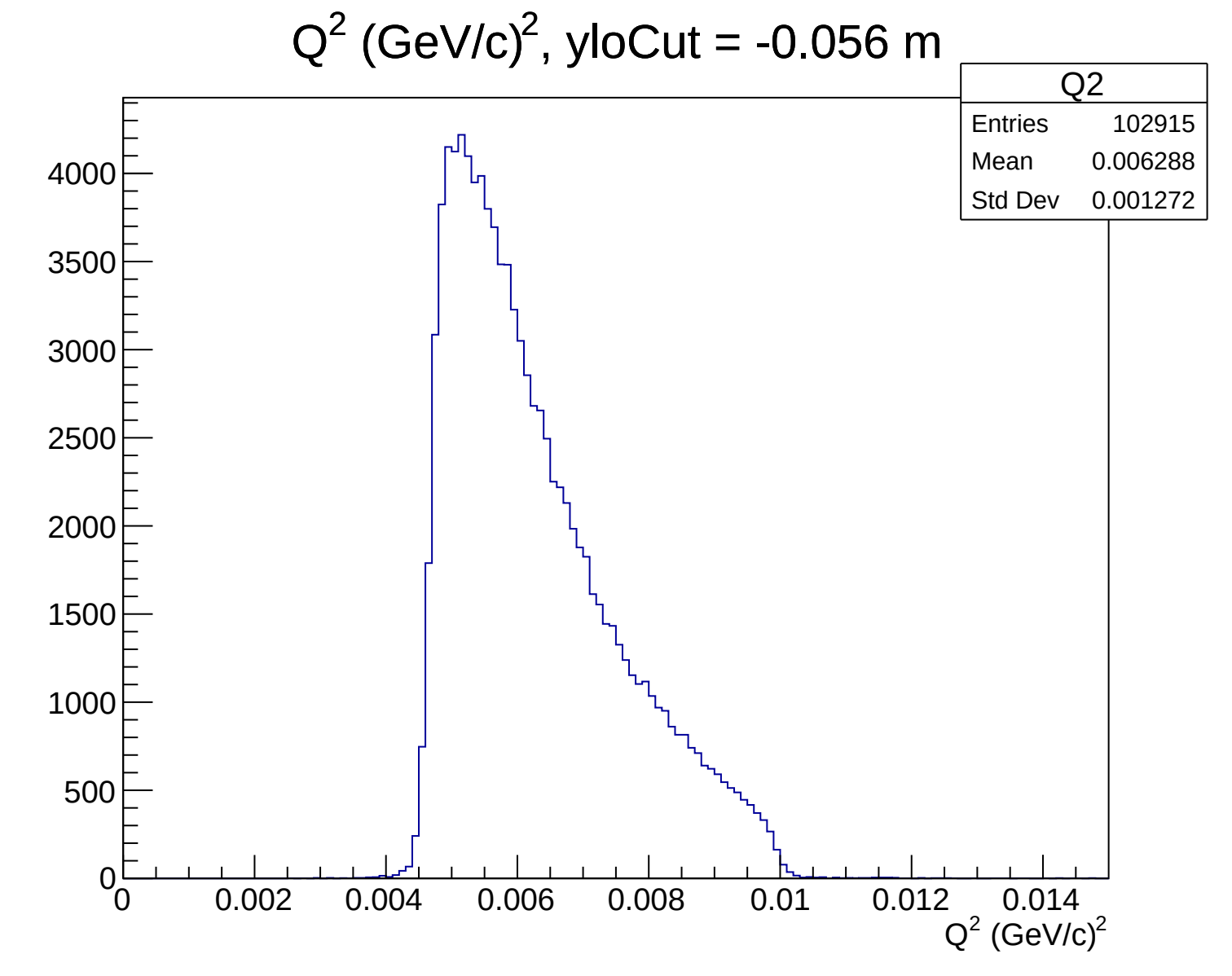

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

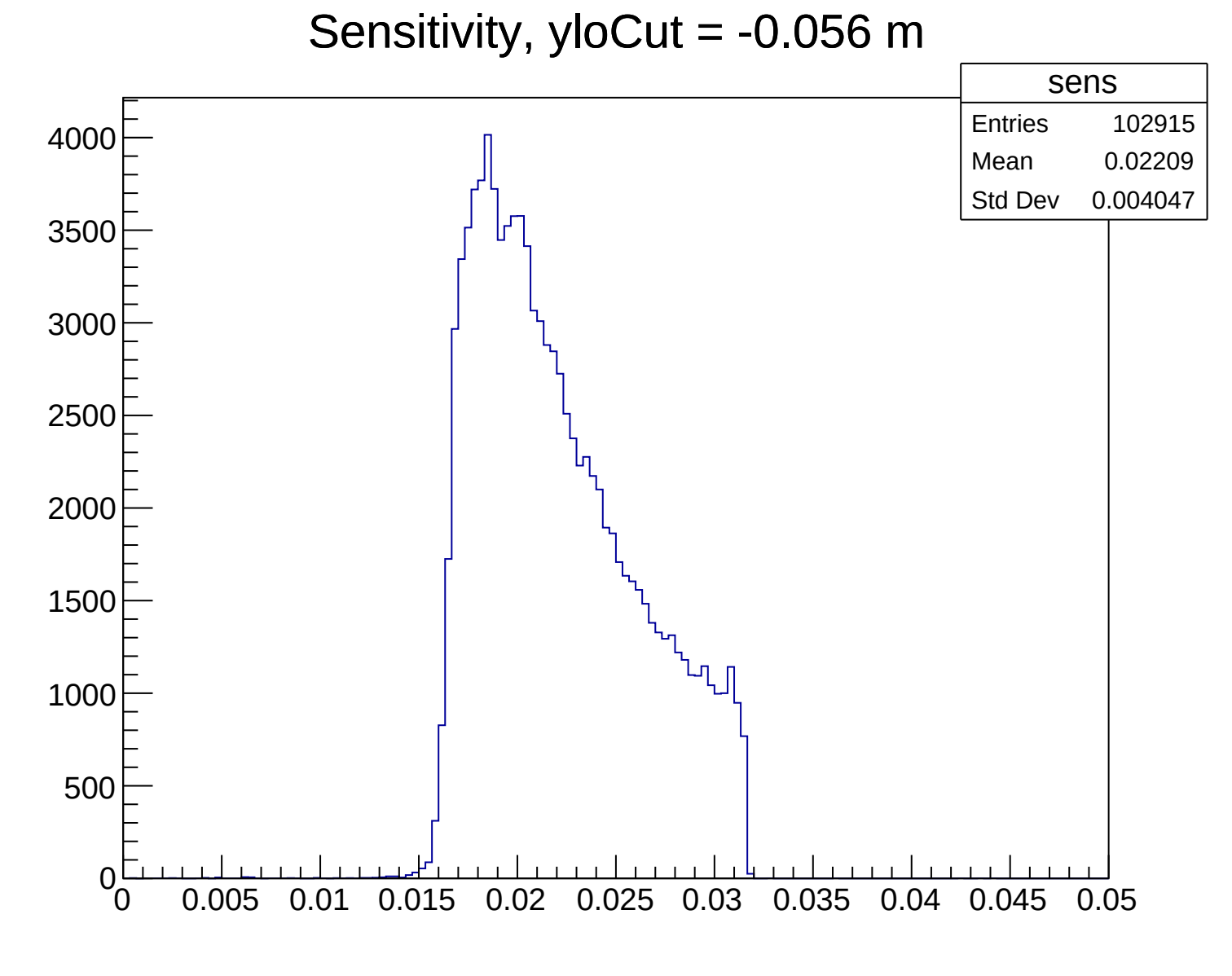

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

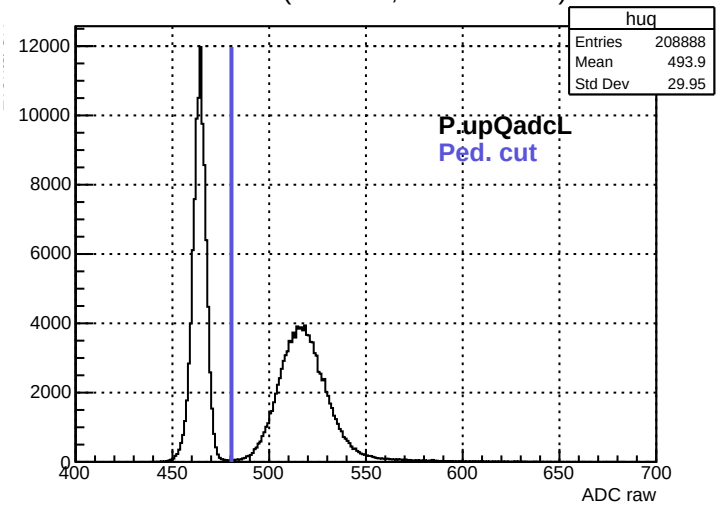

θlab (deg), yloCut = -0.056 m
Theta
Entries 102915
Mean 4.77
Std Dev 0.4707
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

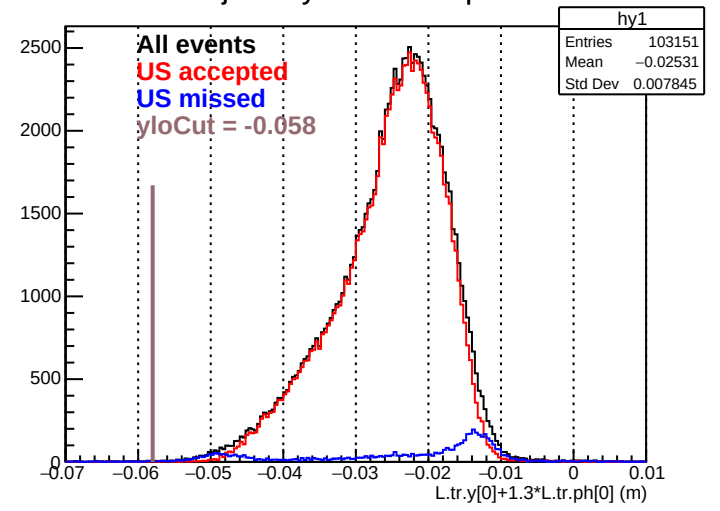

Asymmetry (ppm), yloCut = -0.056 m
Asym
Entries 102915
Mean 0.5691
Std Dev 0.07667
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

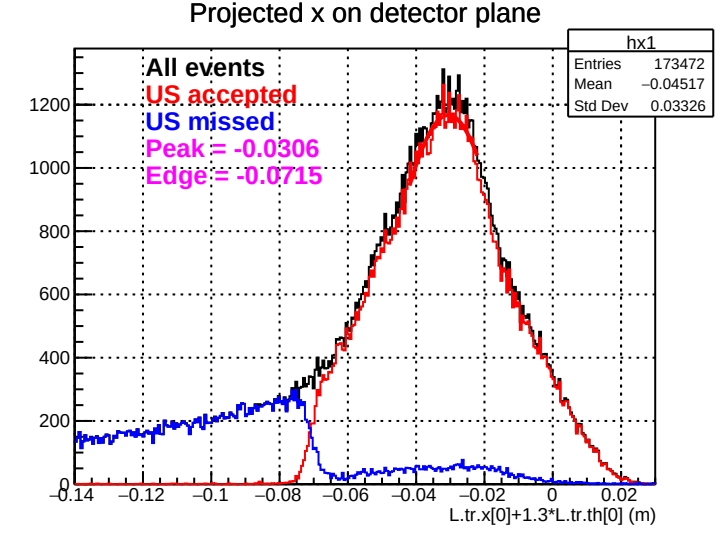

Stretched Asym. (ppm), yloCut = -0.056 m
SAsym
Entries 102915
Mean 0.5563
Std Dev 0.07274
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

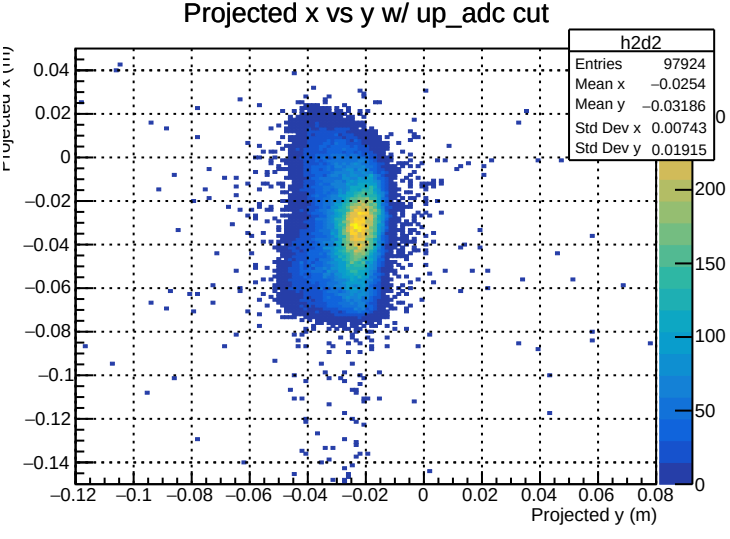

Q^2 (GeV/c)^2, yloCut = -0.056 m
Q2
Entries 102915
Mean 0.006288
Std Dev 0.001272
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

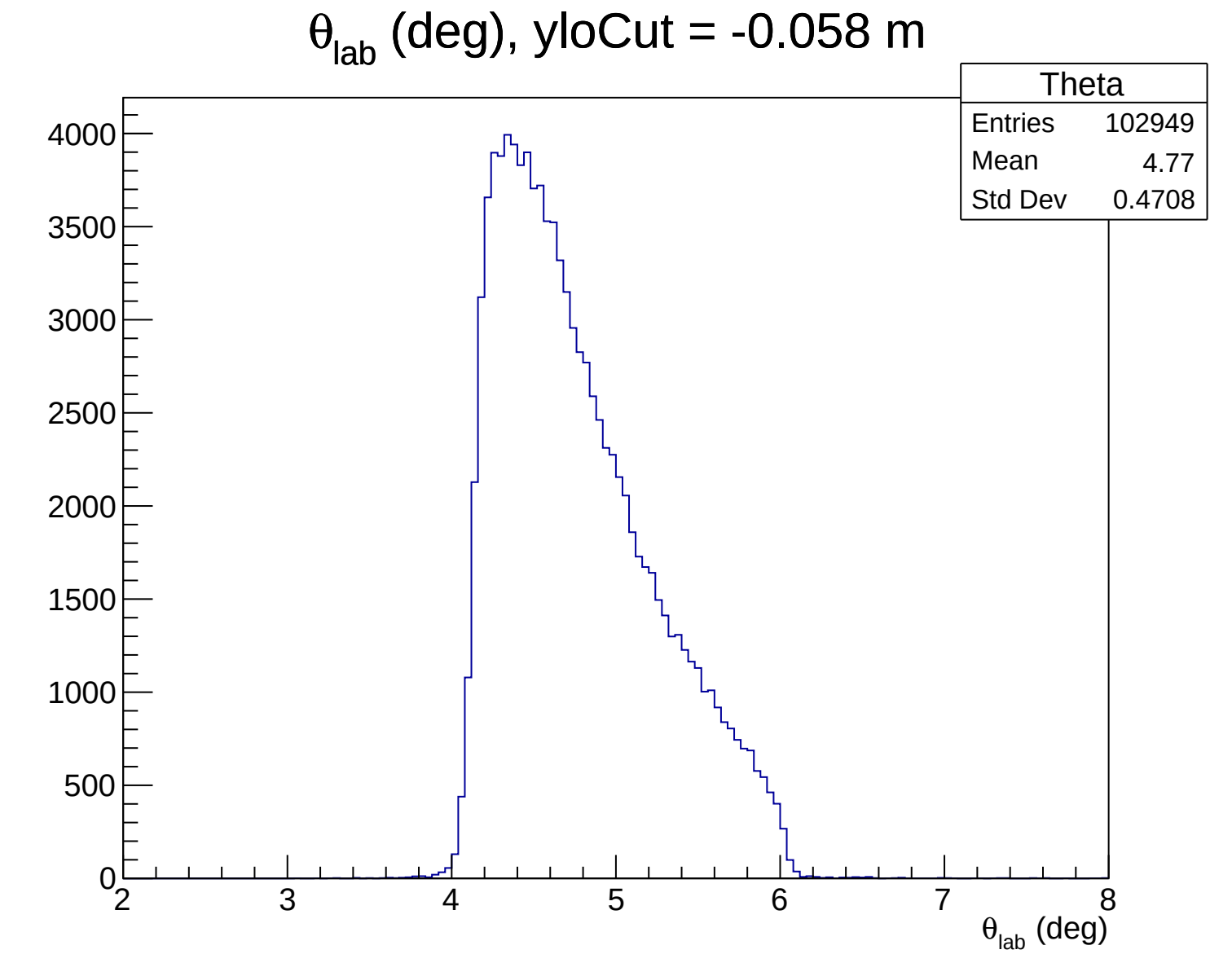

Sensitivity, yloCut = -0.056 m
sens
Entries 102915
Mean 0.02209
Std Dev 0.004047
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

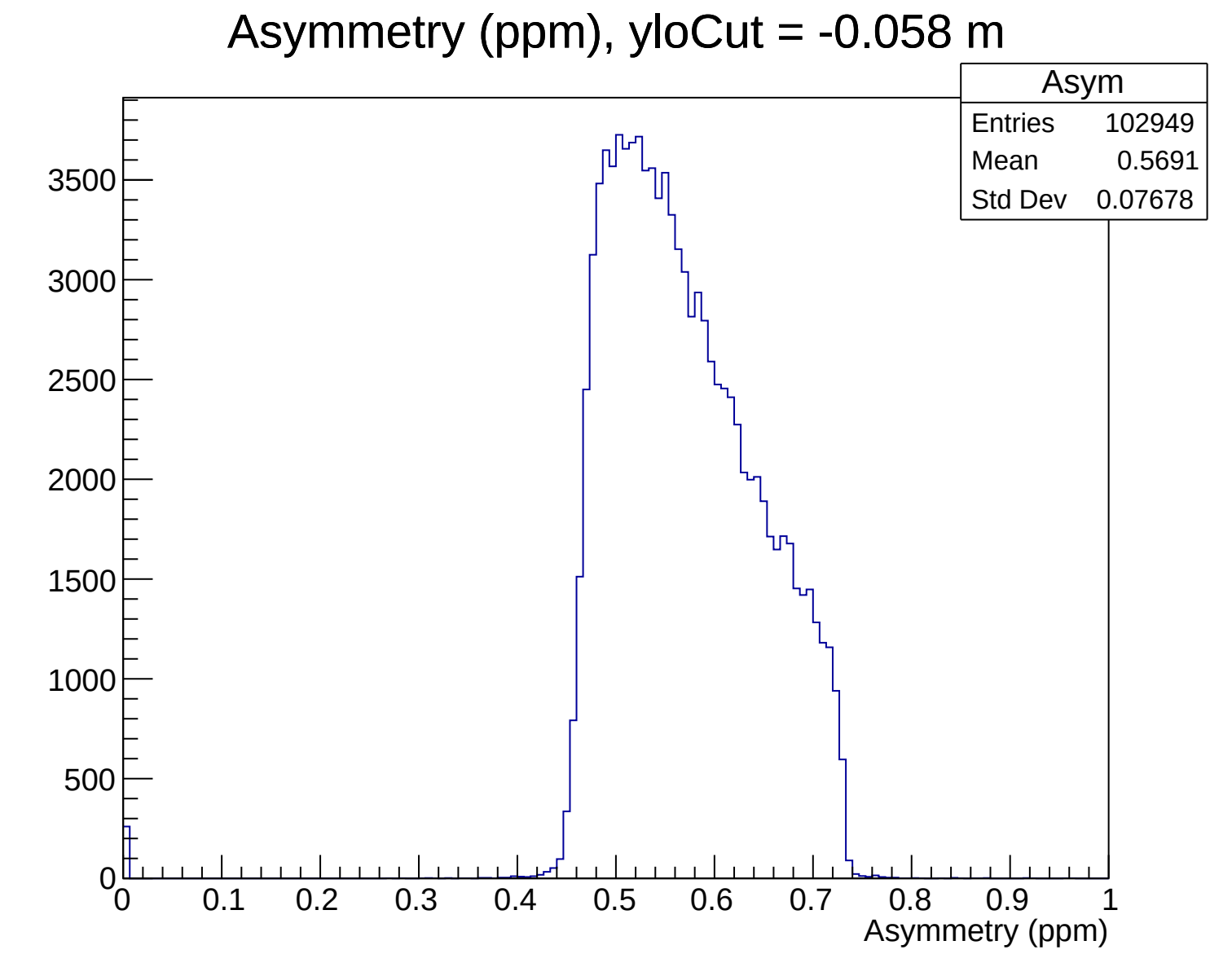

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

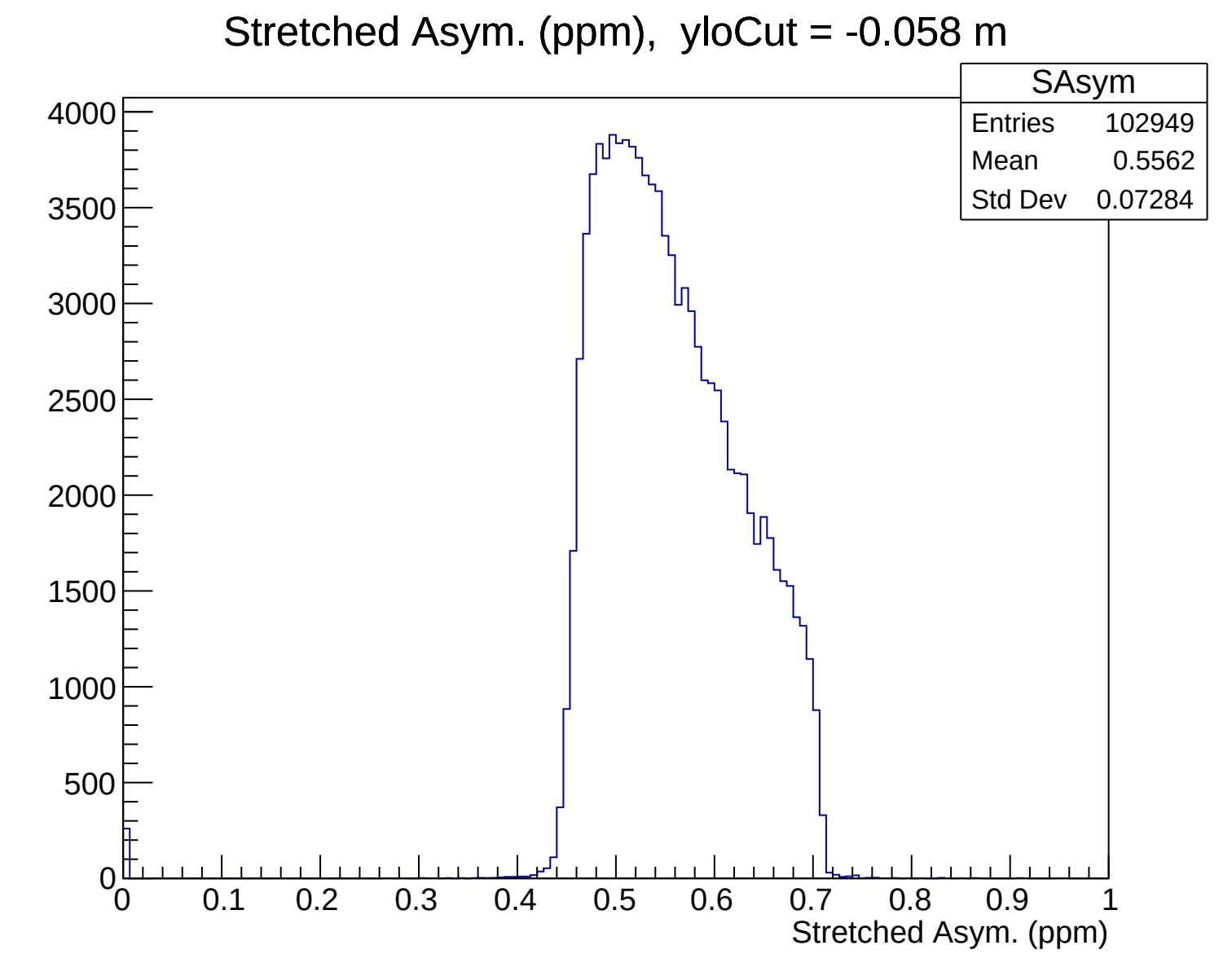

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.058
L.tr.y[0]+1.3*L.tr.ph[0] (m)

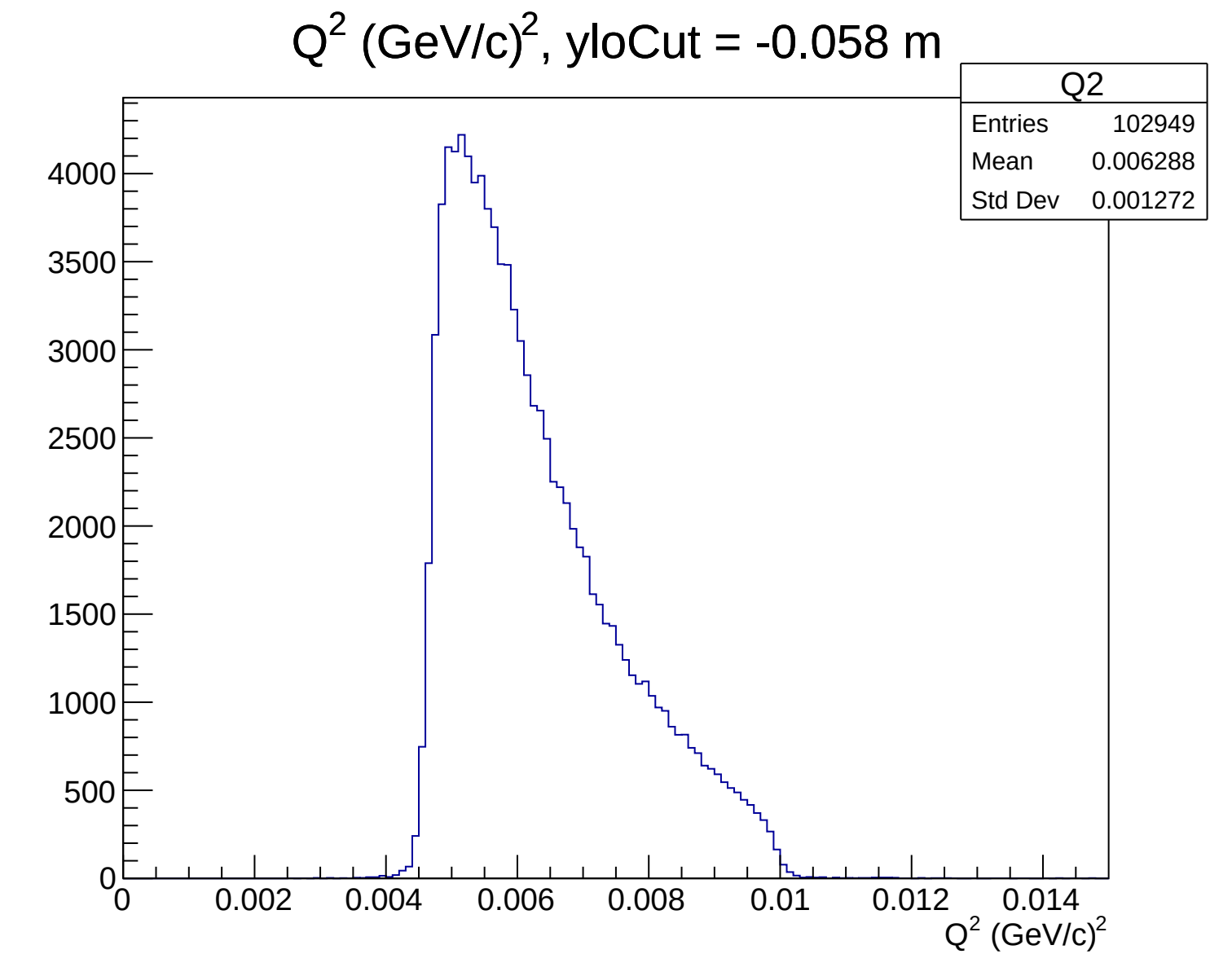

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

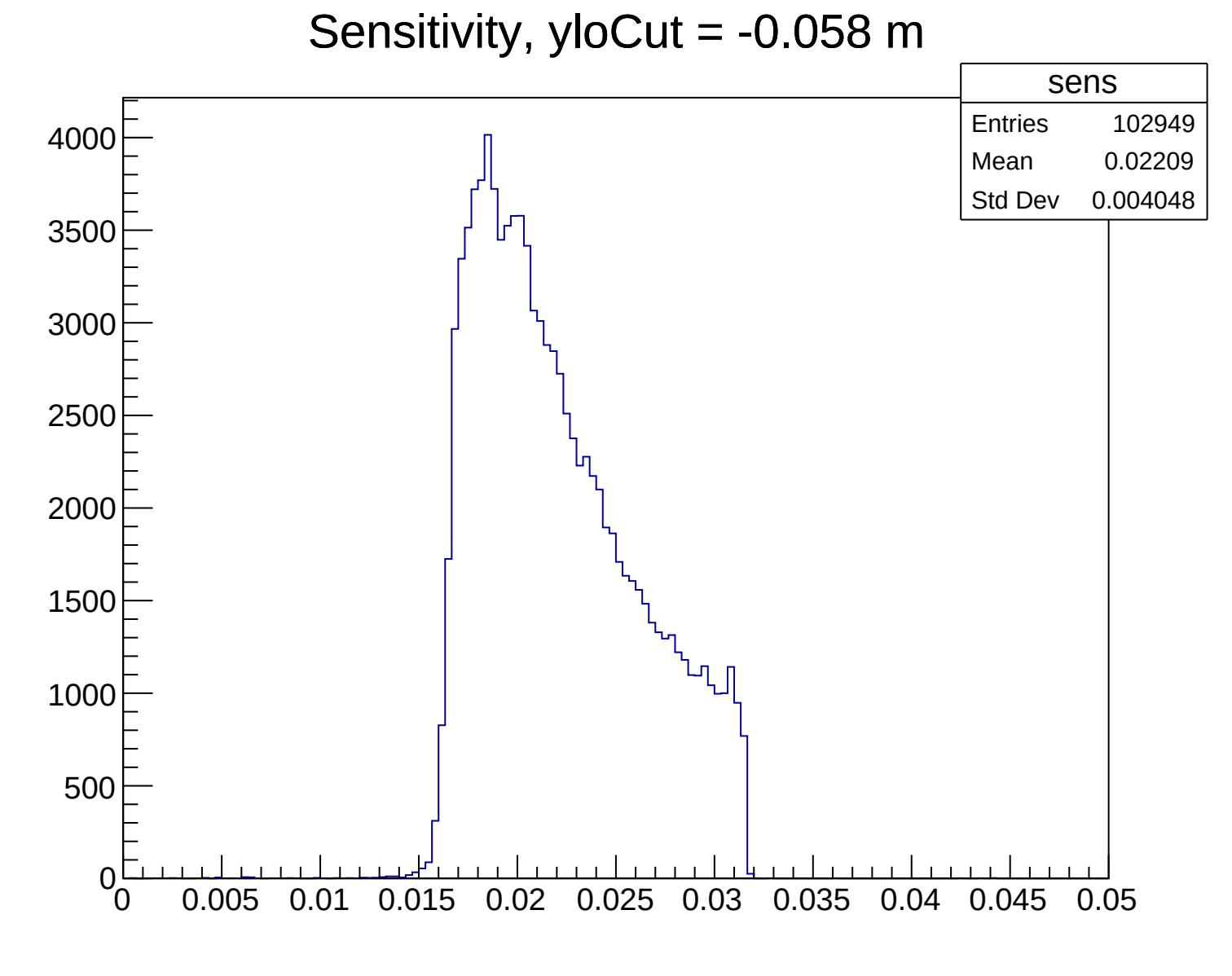

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

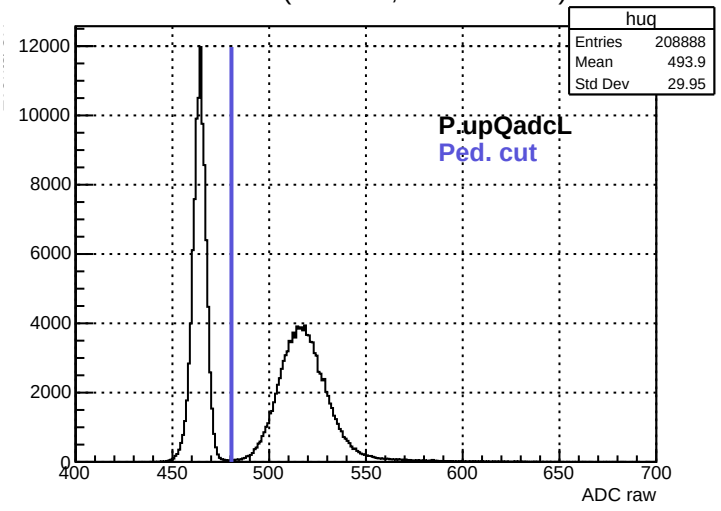

θlab (deg), yloCut = -0.058 m
Theta
Entries 102949
Mean 4.77
Std Dev 0.4708
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

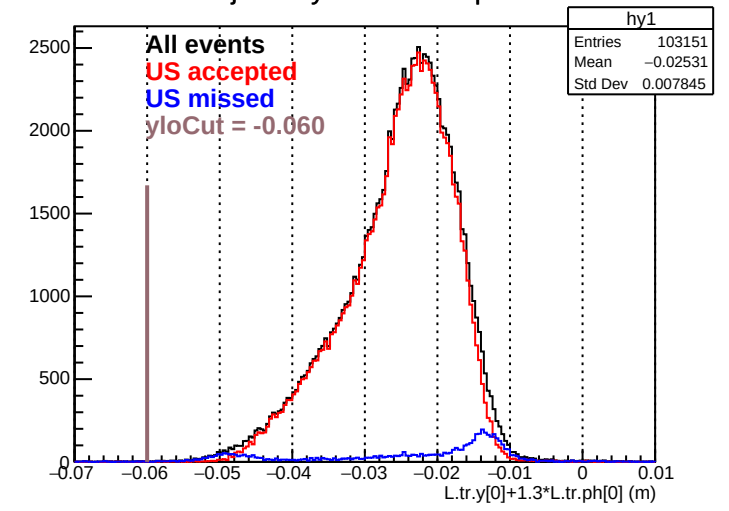

Asymmetry (ppm), yloCut = -0.058 m
Asym
Entries 102949
Mean 0.5691
Std Dev 0.07678
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

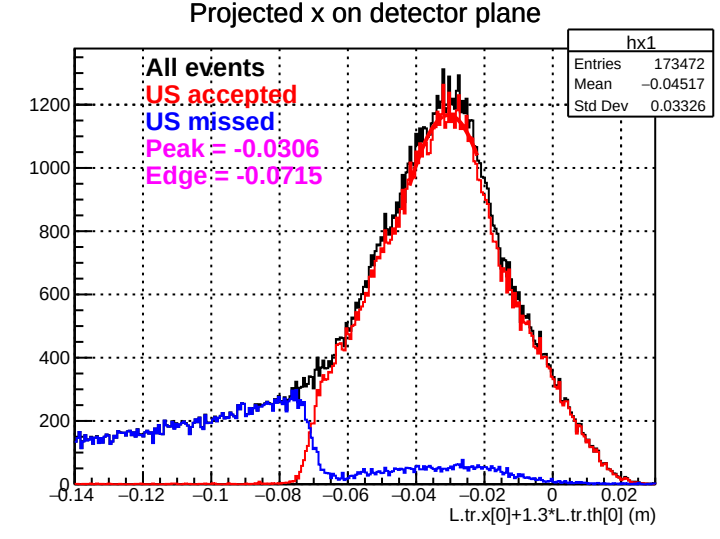

Stretched Asym. (ppm), yloCut = -0.058 m
SAsym
Entries 102949
Mean 0.5562
Std Dev 0.07284
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

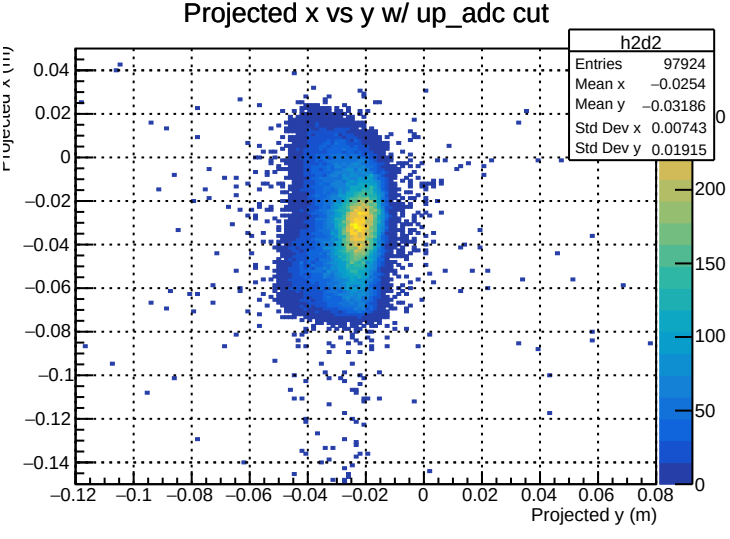

Q^2 (GeV/c)^2, yloCut = -0.058 m
Q2
Entries 102949
Mean 0.006288
Std Dev 0.001272
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

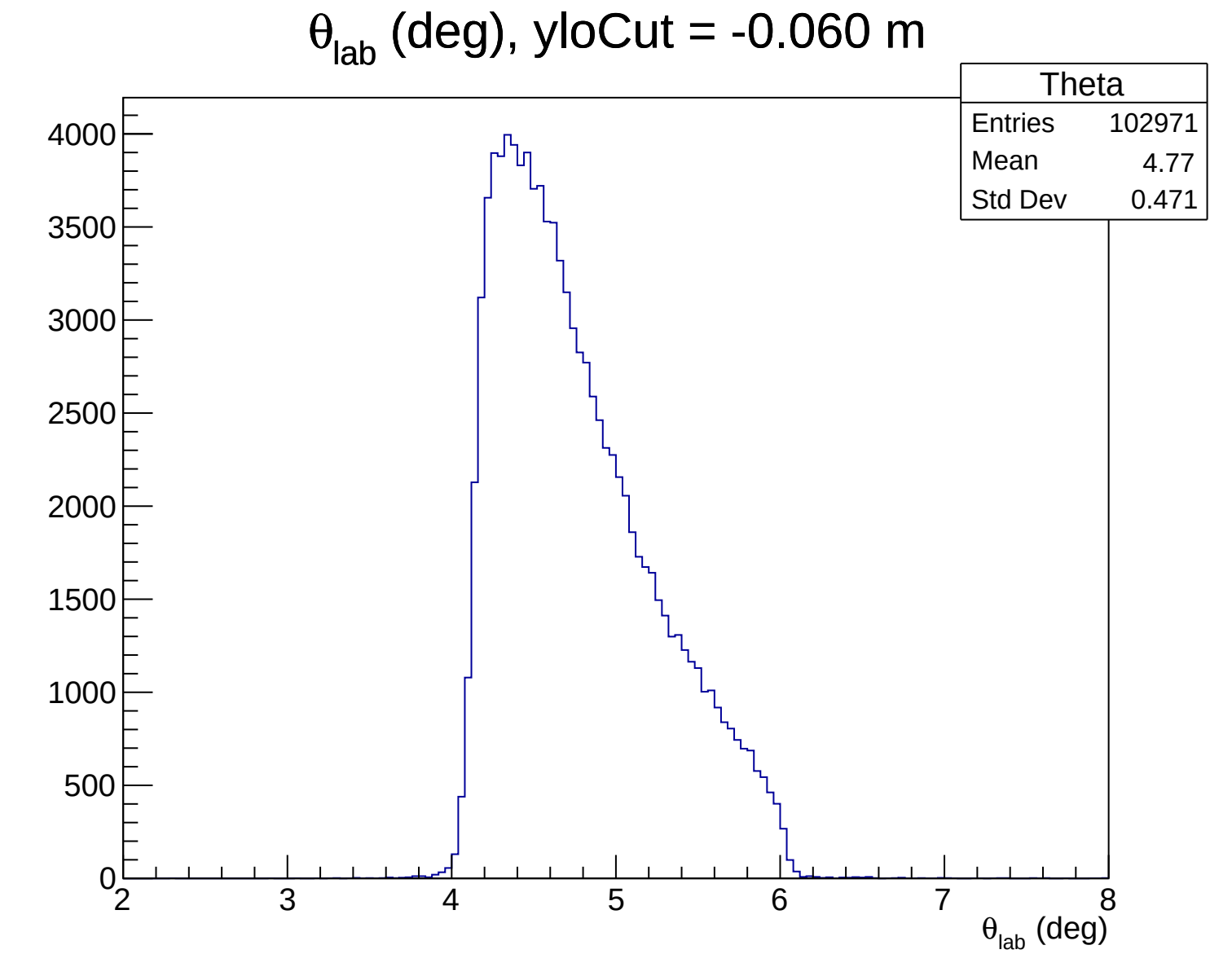

Sensitivity, yloCut = -0.058 m
sens
Entries 102949
Mean 0.02209
Std Dev 0.004048
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

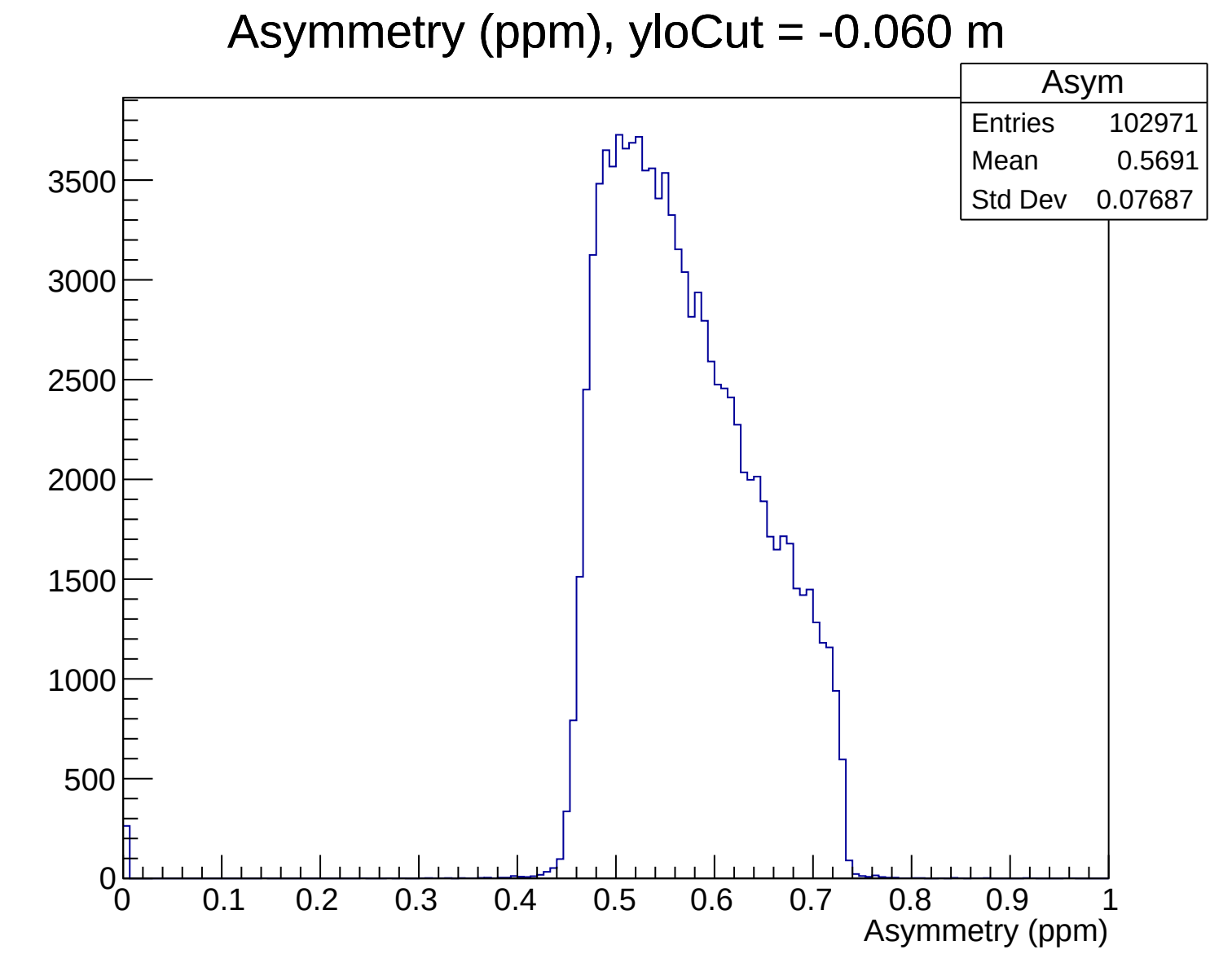

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

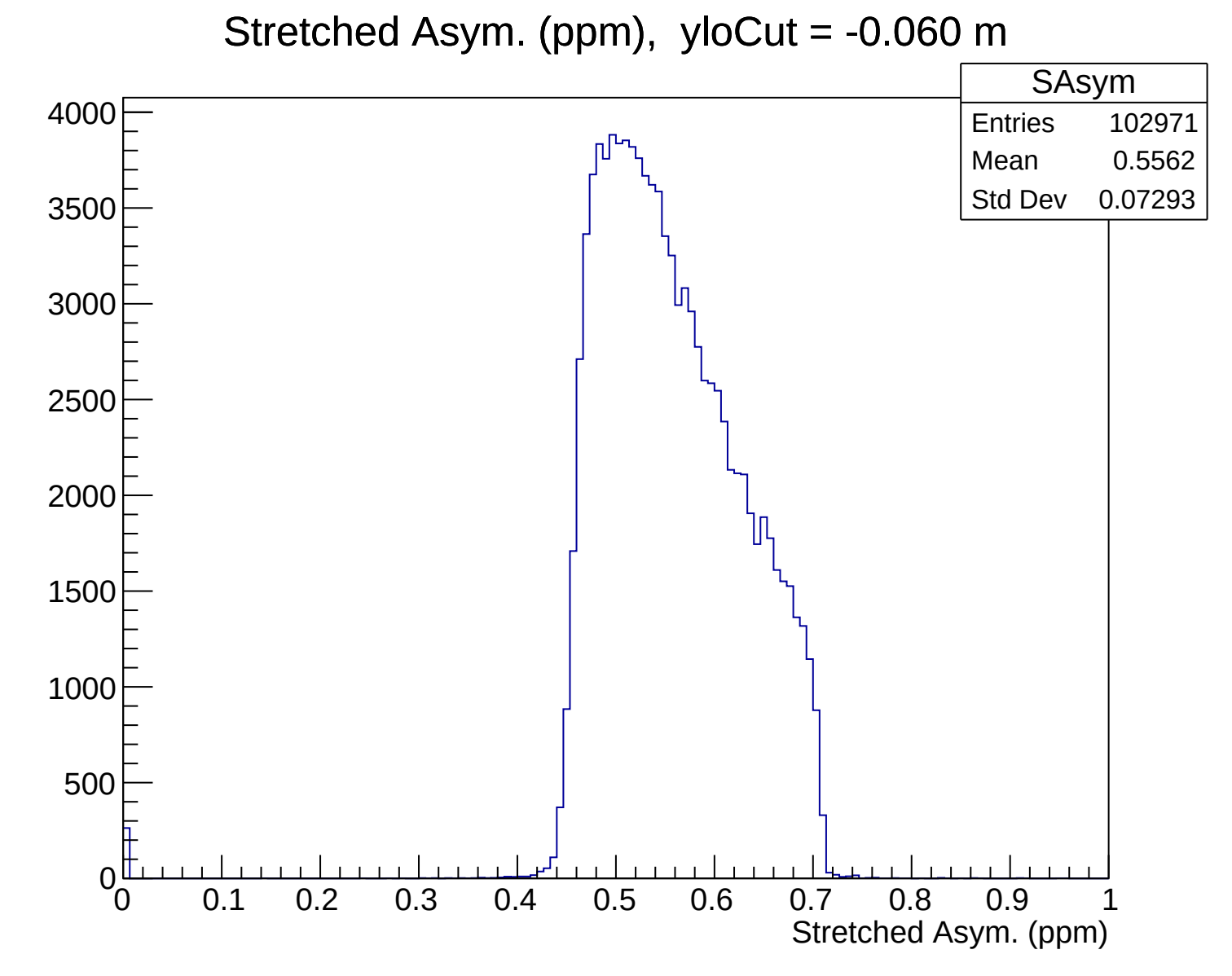

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.060
L.tr.y[0]+1.3*L.tr.ph[0] (m)

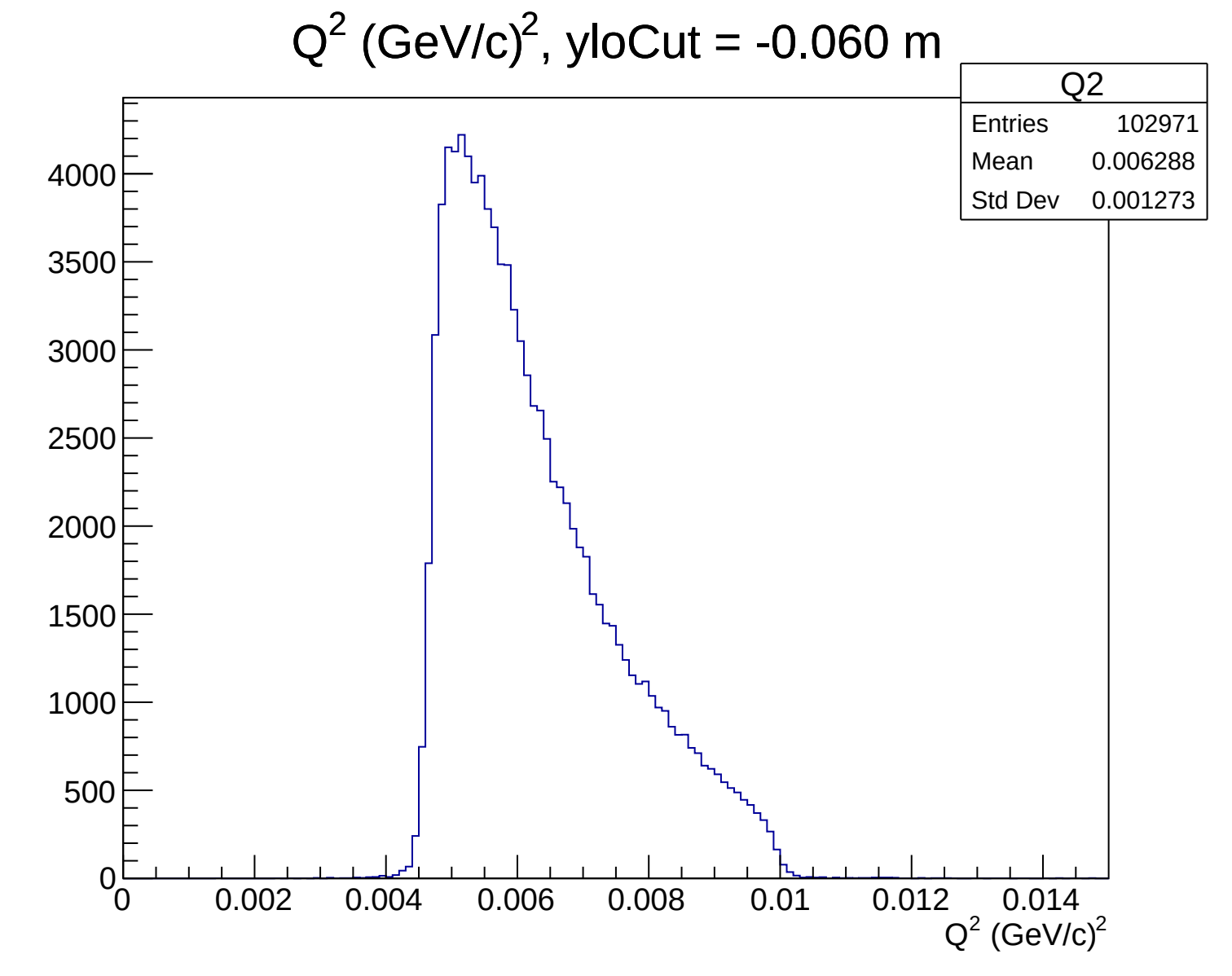

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

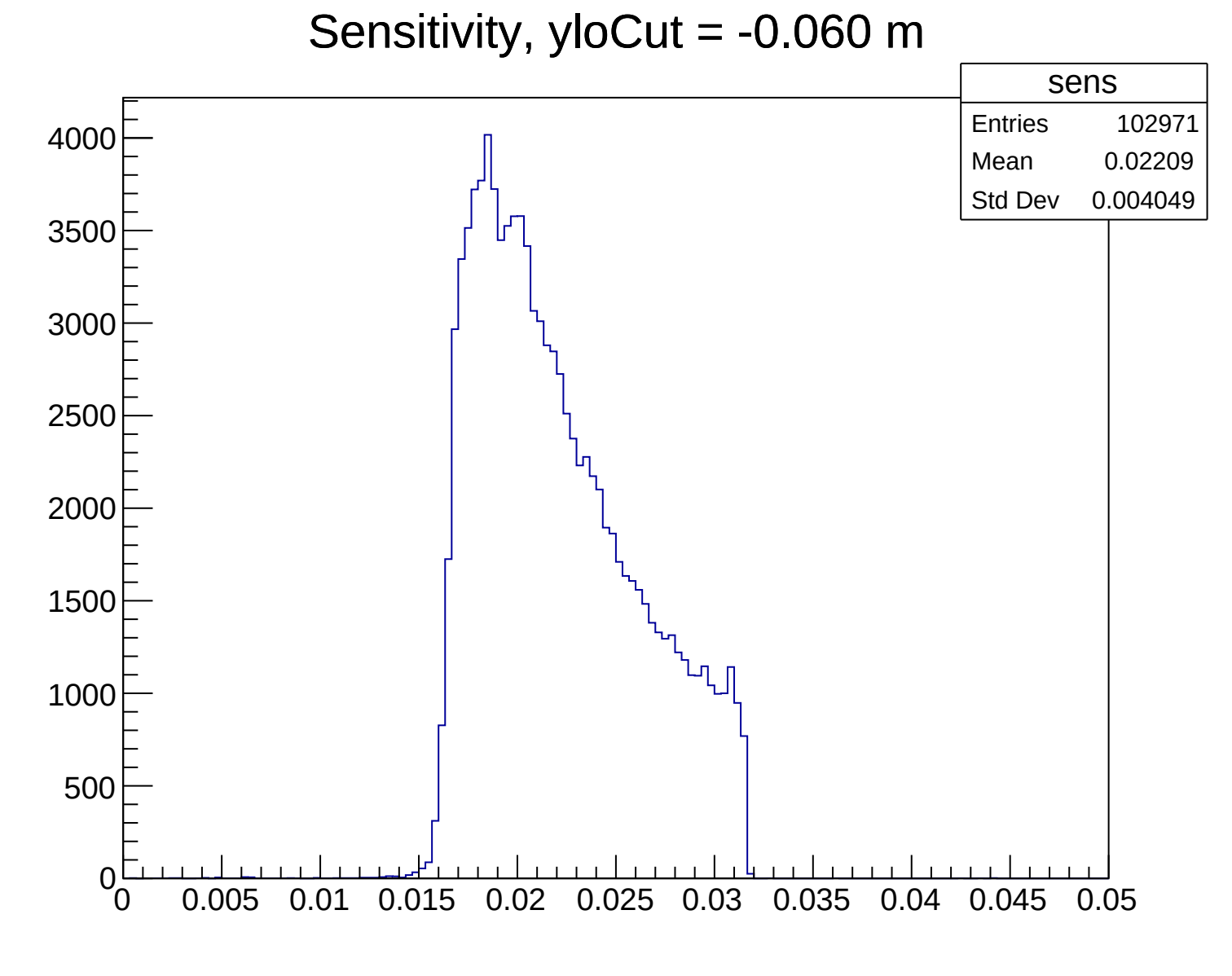

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

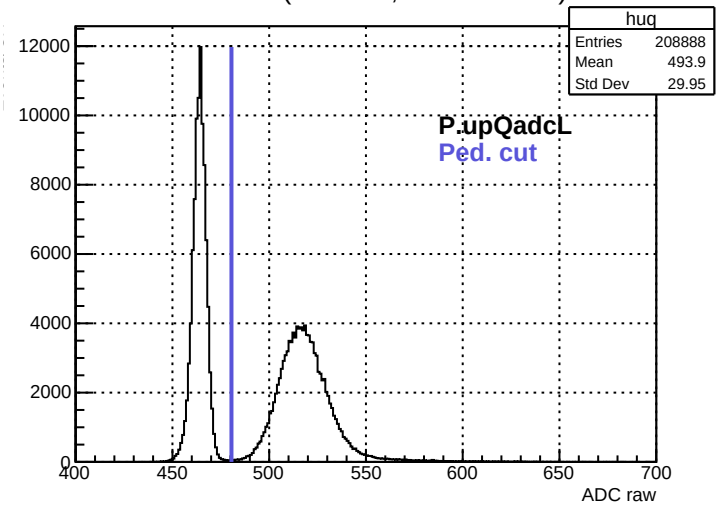

θlab (deg), yloCut = -0.060 m
Theta
Entries 102971
Mean 4.77
Std Dev 0.471
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

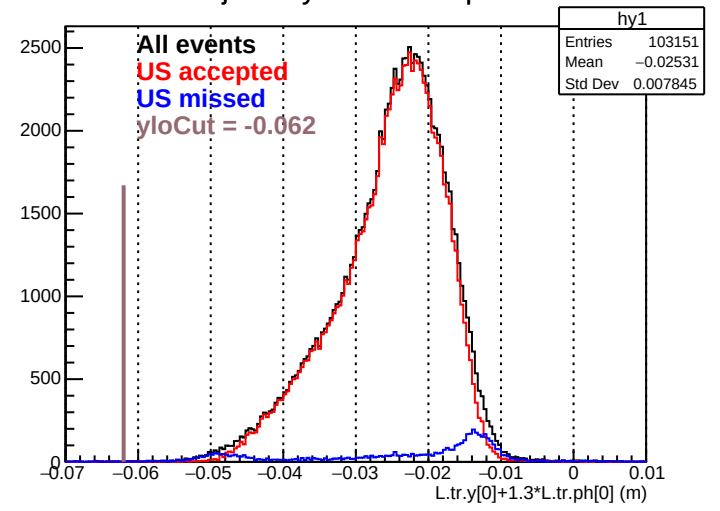

Asymmetry (ppm), yloCut = -0.060 m
Asym
Entries 102971
Mean 0.5691
Std Dev 0.07687
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

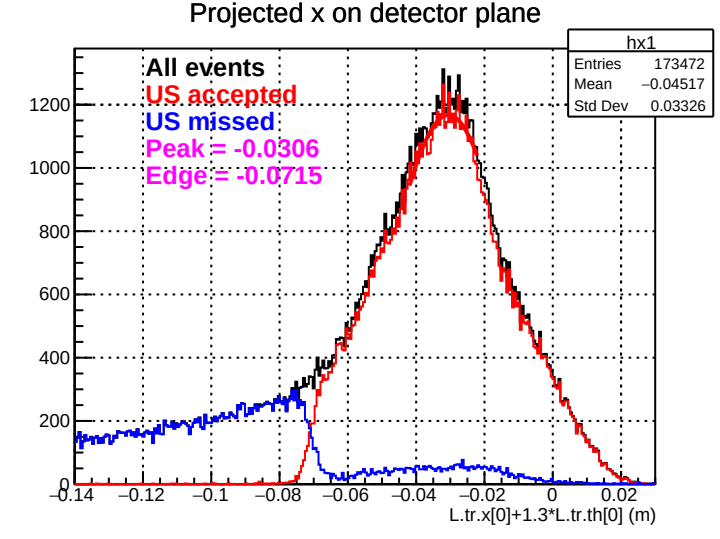

Stretched Asym. (ppm), yloCut = -0.060 m
SAsym
Entries 102971
Mean 0.5562
Std Dev 0.07293
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

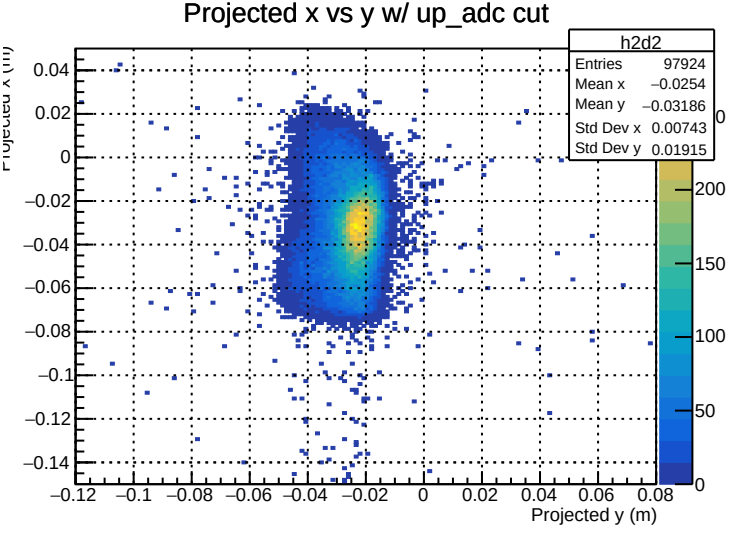

Q^2 (GeV/c)^2, yloCut = -0.060 m
Q2
Entries 102971
Mean 0.006288
Std Dev 0.001273
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

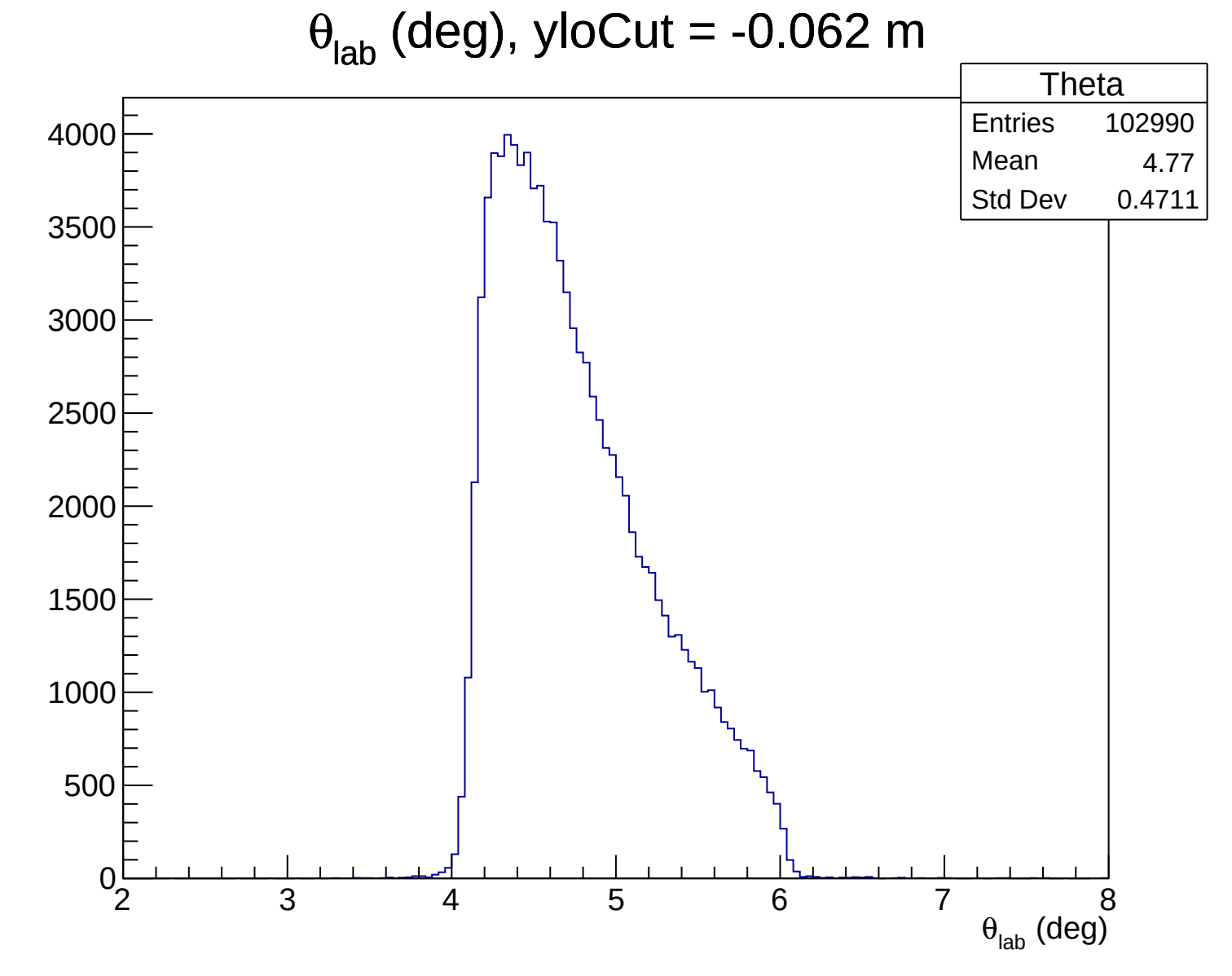

Sensitivity, yloCut = -0.060 m
sens
Entries 102971
Mean 0.02209
Std Dev 0.004049
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

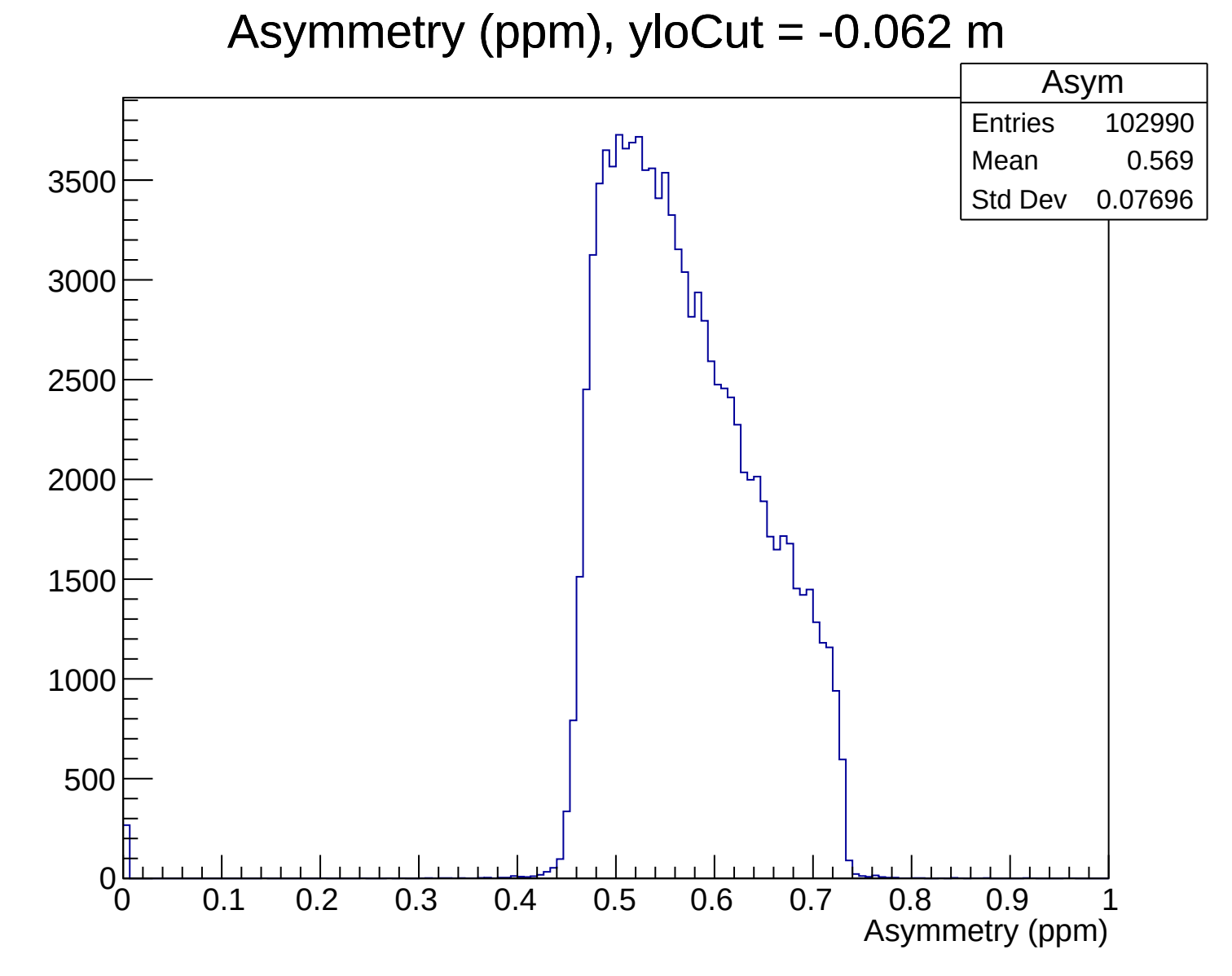

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

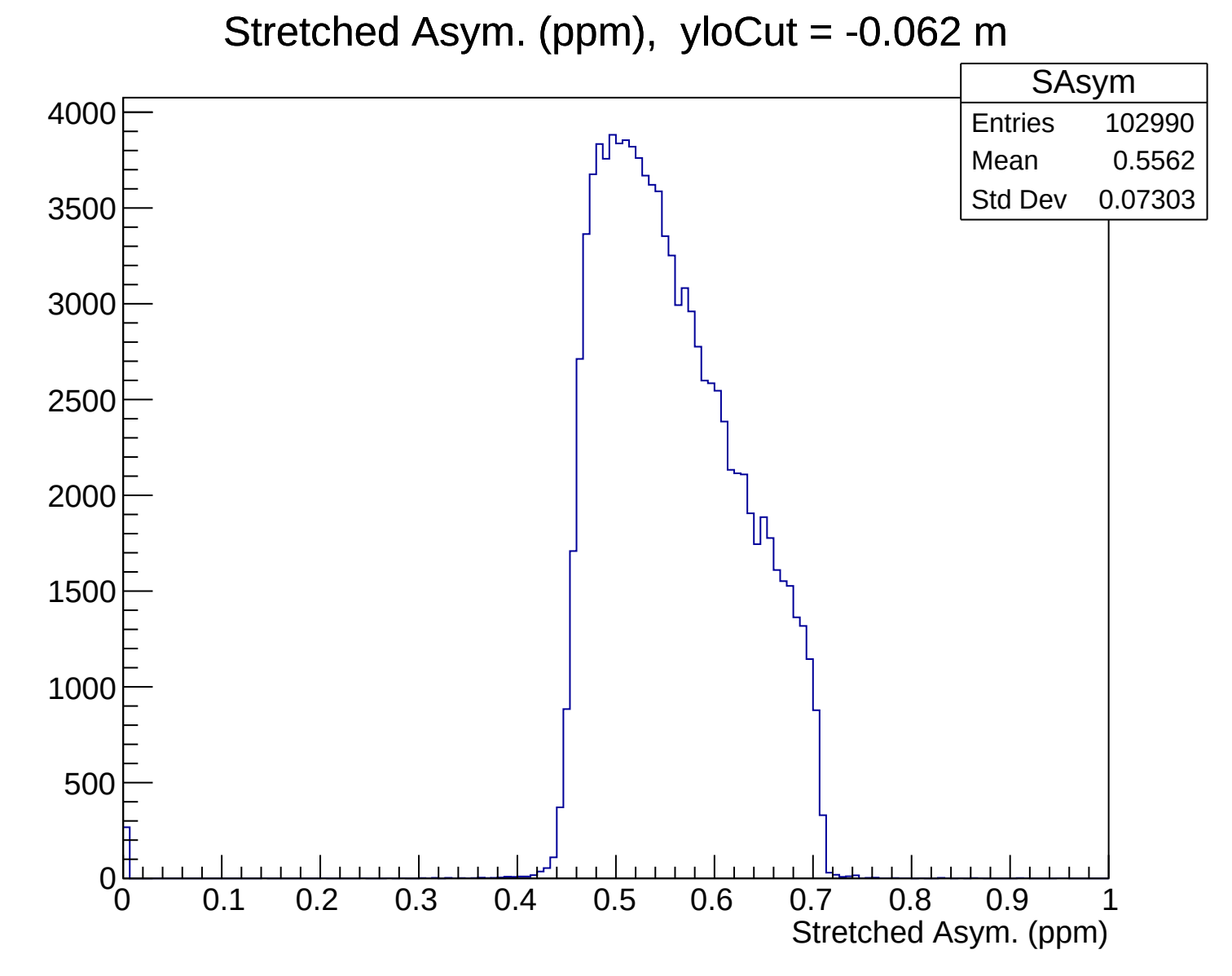

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.062
L.tr.y[0]+1.3*L.tr.ph[0] (m)

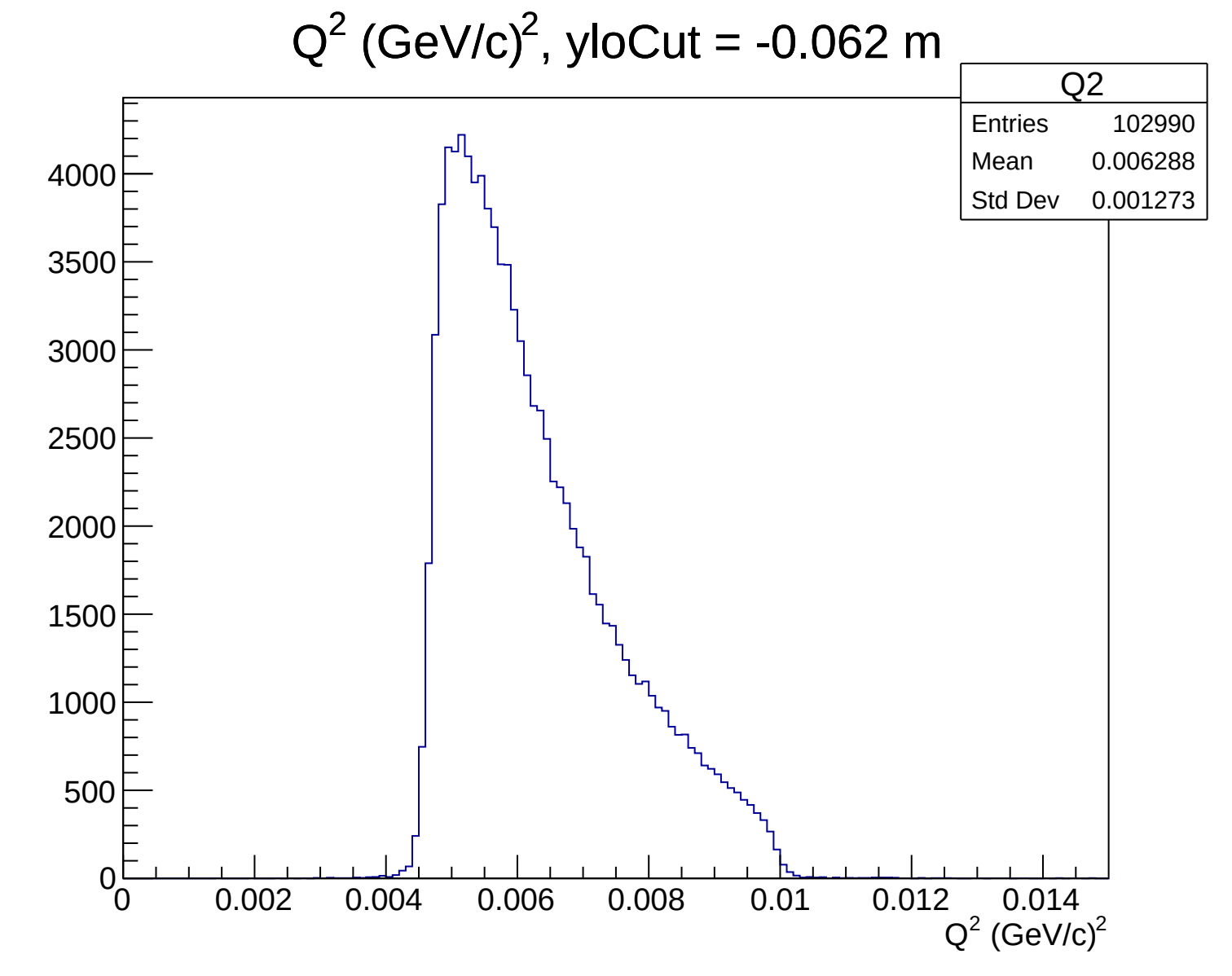

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

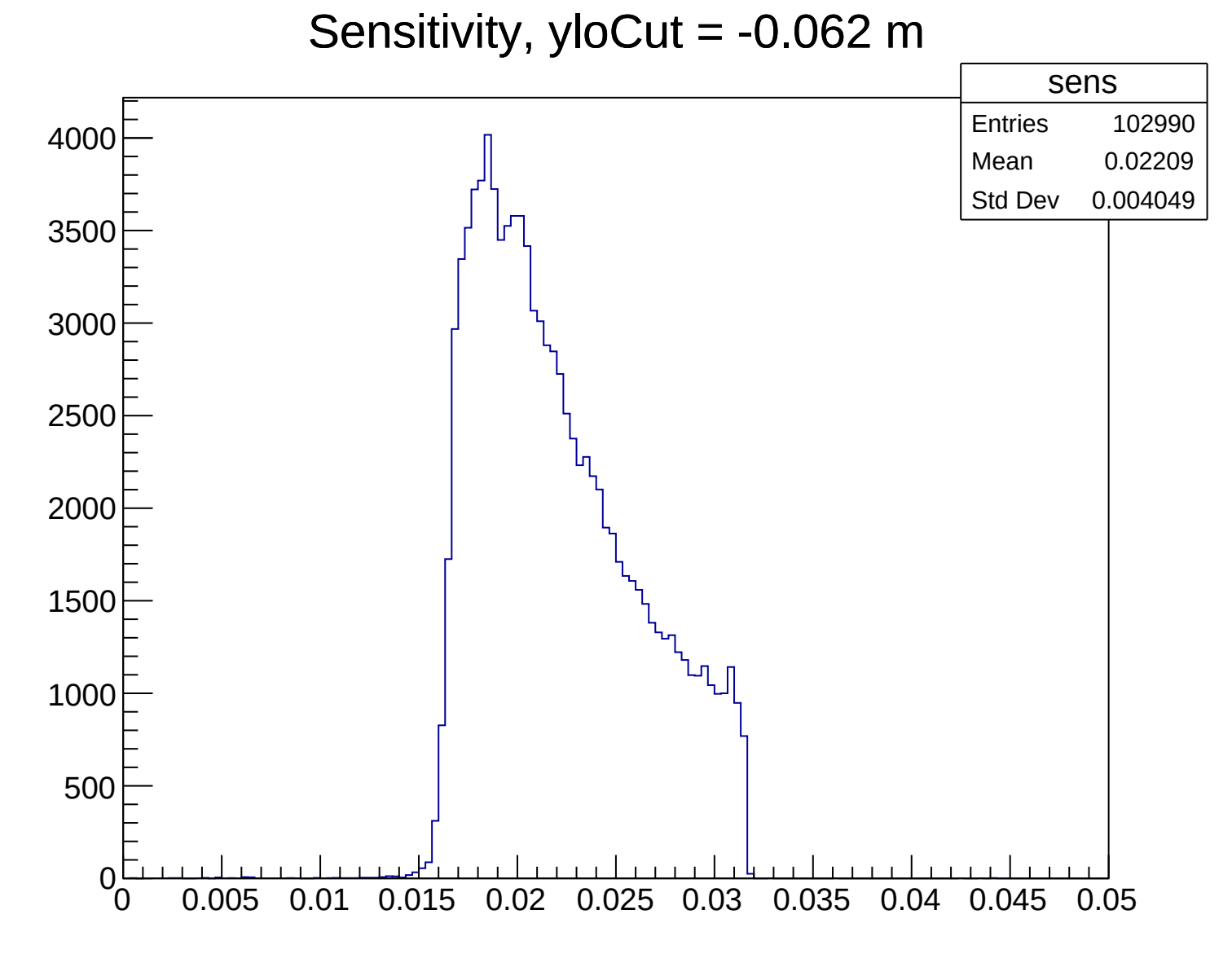

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

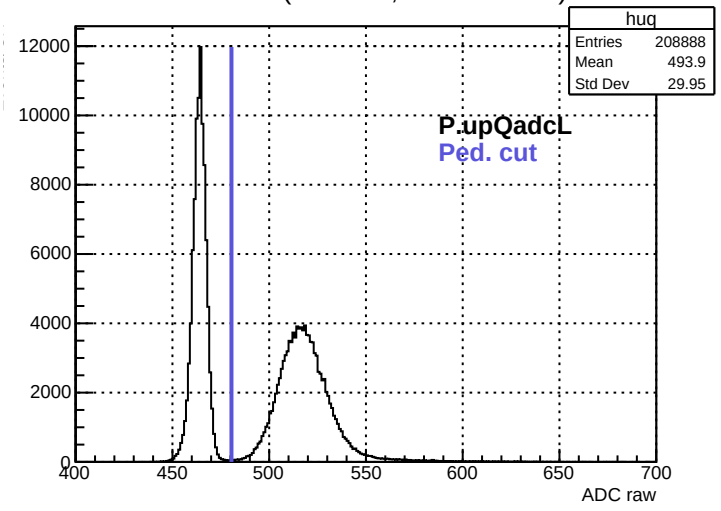

θlab (deg), yloCut = -0.062 m
Theta
Entries 102990
Mean 4.77
Std Dev 0.4711
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

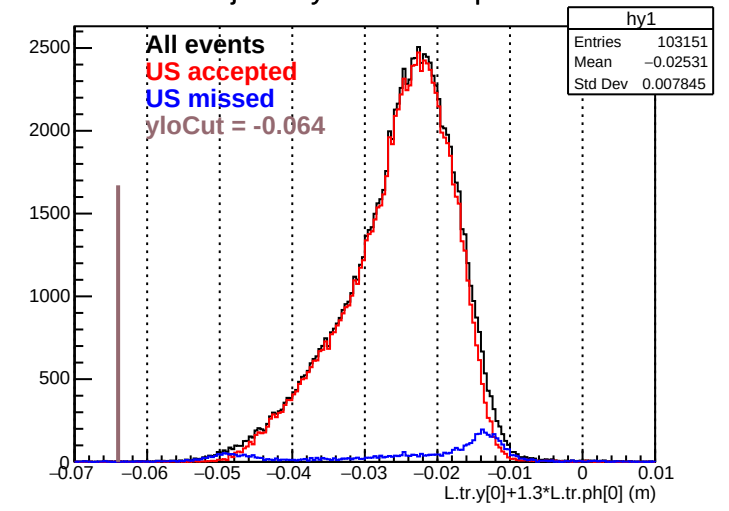

Asymmetry (ppm), yloCut = -0.062 m
Asym
Entries 102990
Mean 0.569
Std Dev 0.07696
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

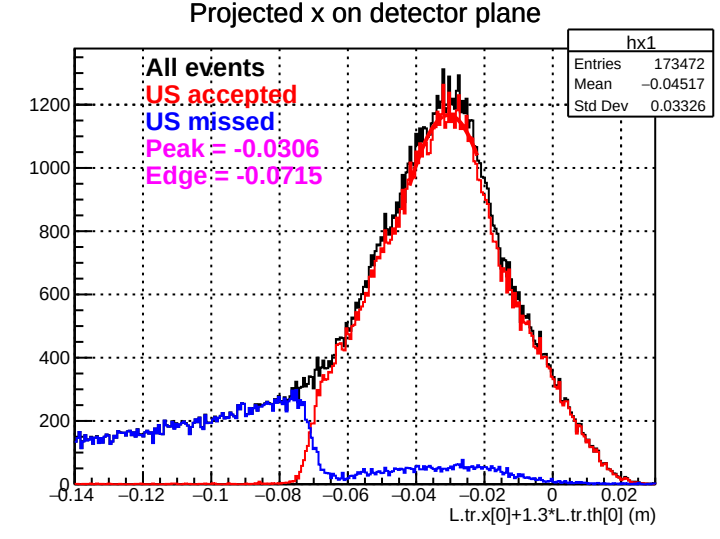

Stretched Asym. (ppm), yloCut = -0.062 m
SAsym
Entries 102990
Mean 0.5562
Std Dev 0.07303
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

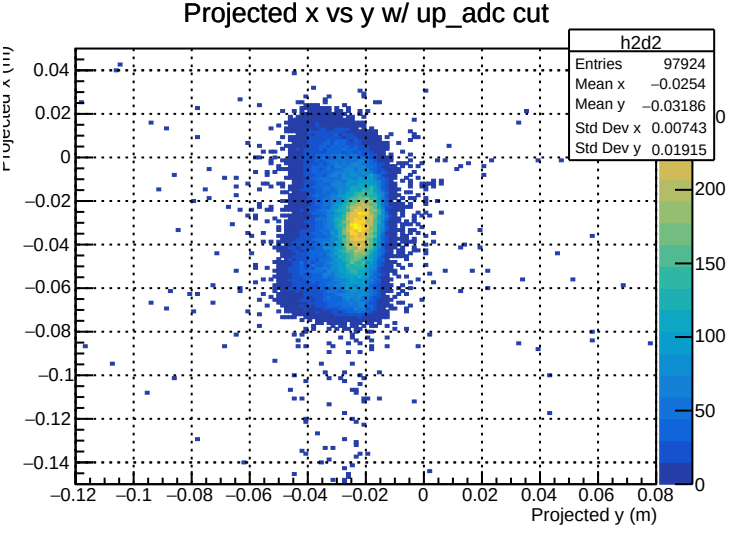

Q^2 (GeV/c)^2, yloCut = -0.062 m
Q2
Entries 102990
Mean 0.006288
Std Dev 0.001273
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

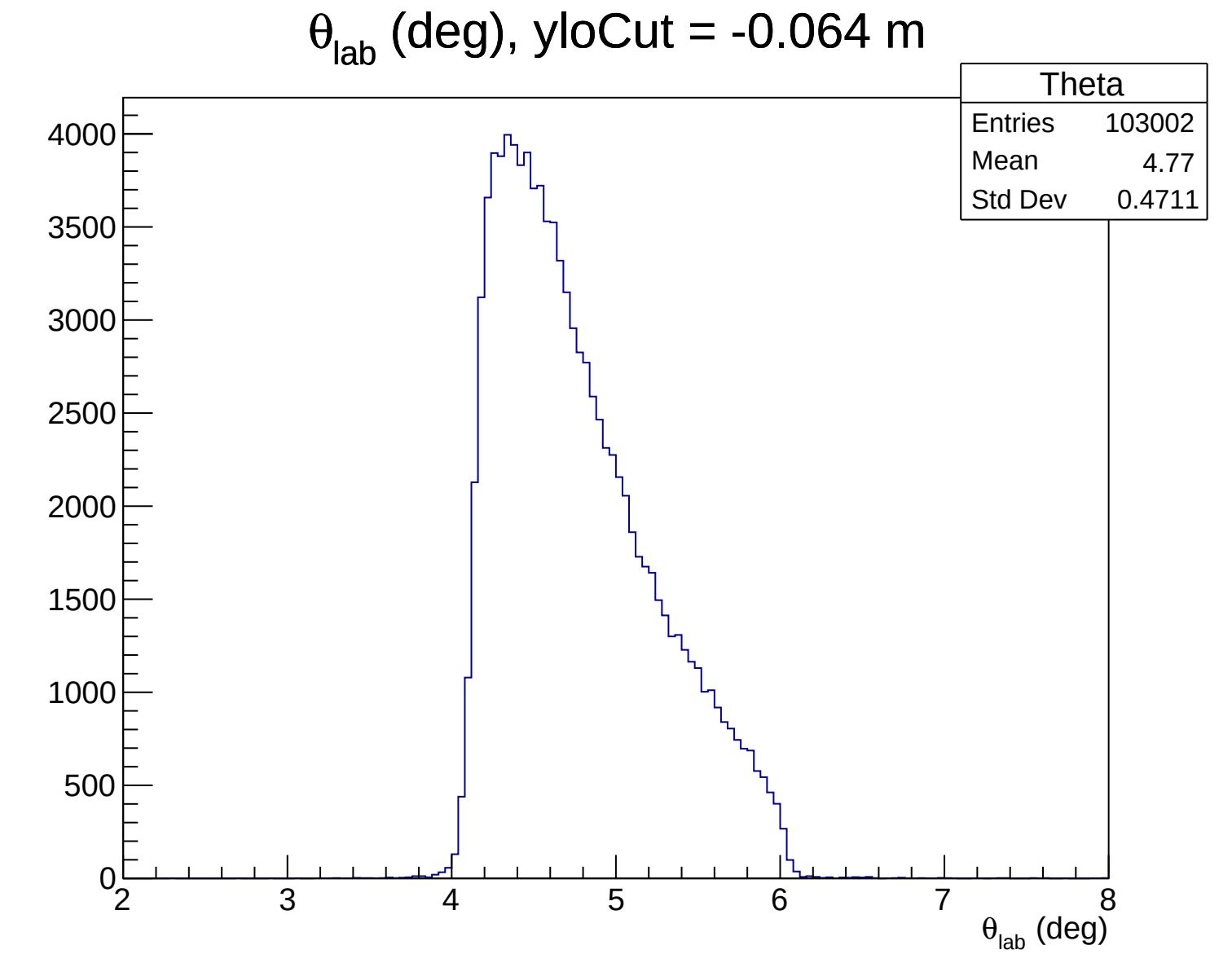

Sensitivity, yloCut = -0.062 m
sens
Entries 102990
Mean 0.02209
Std Dev 0.004049
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

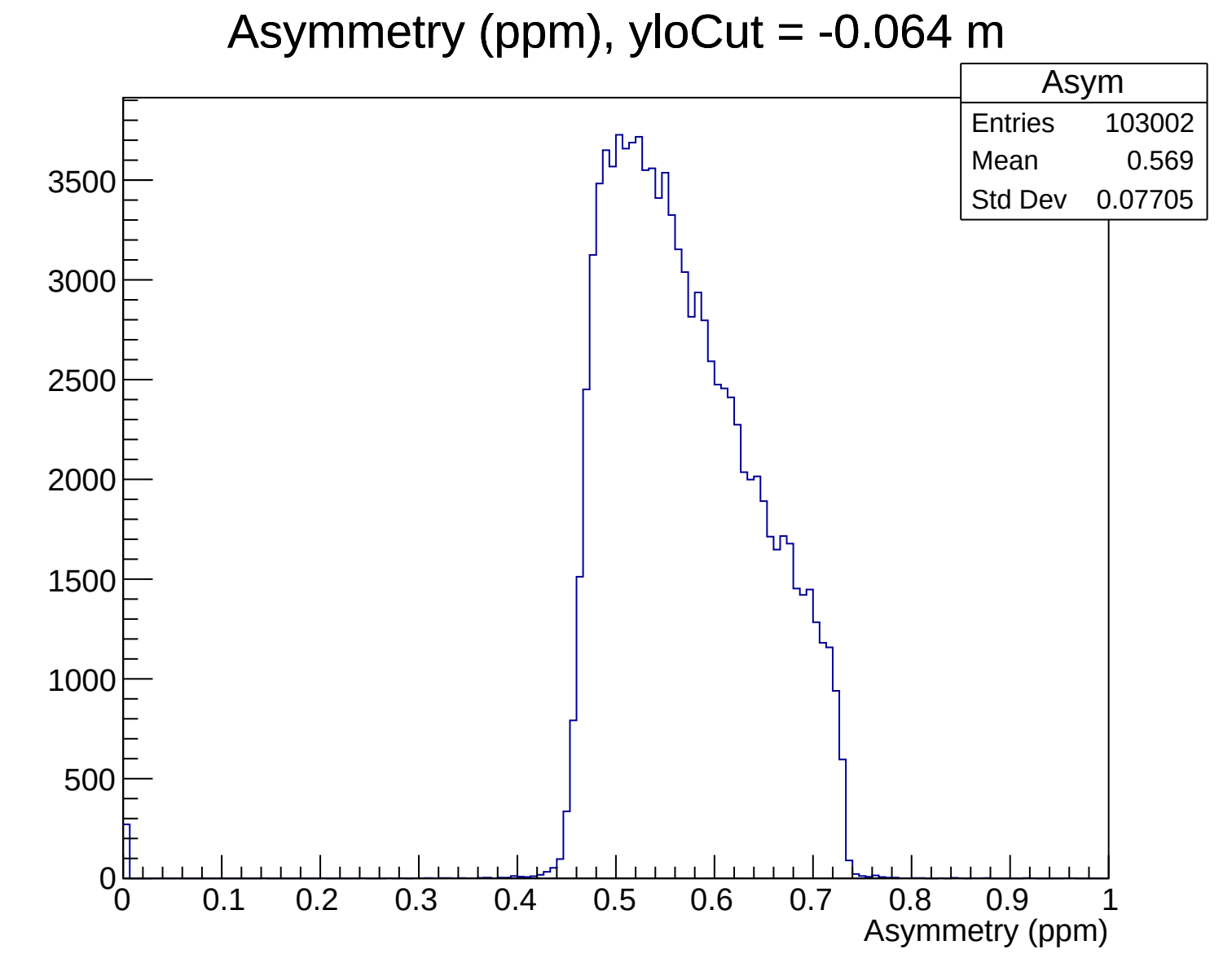

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

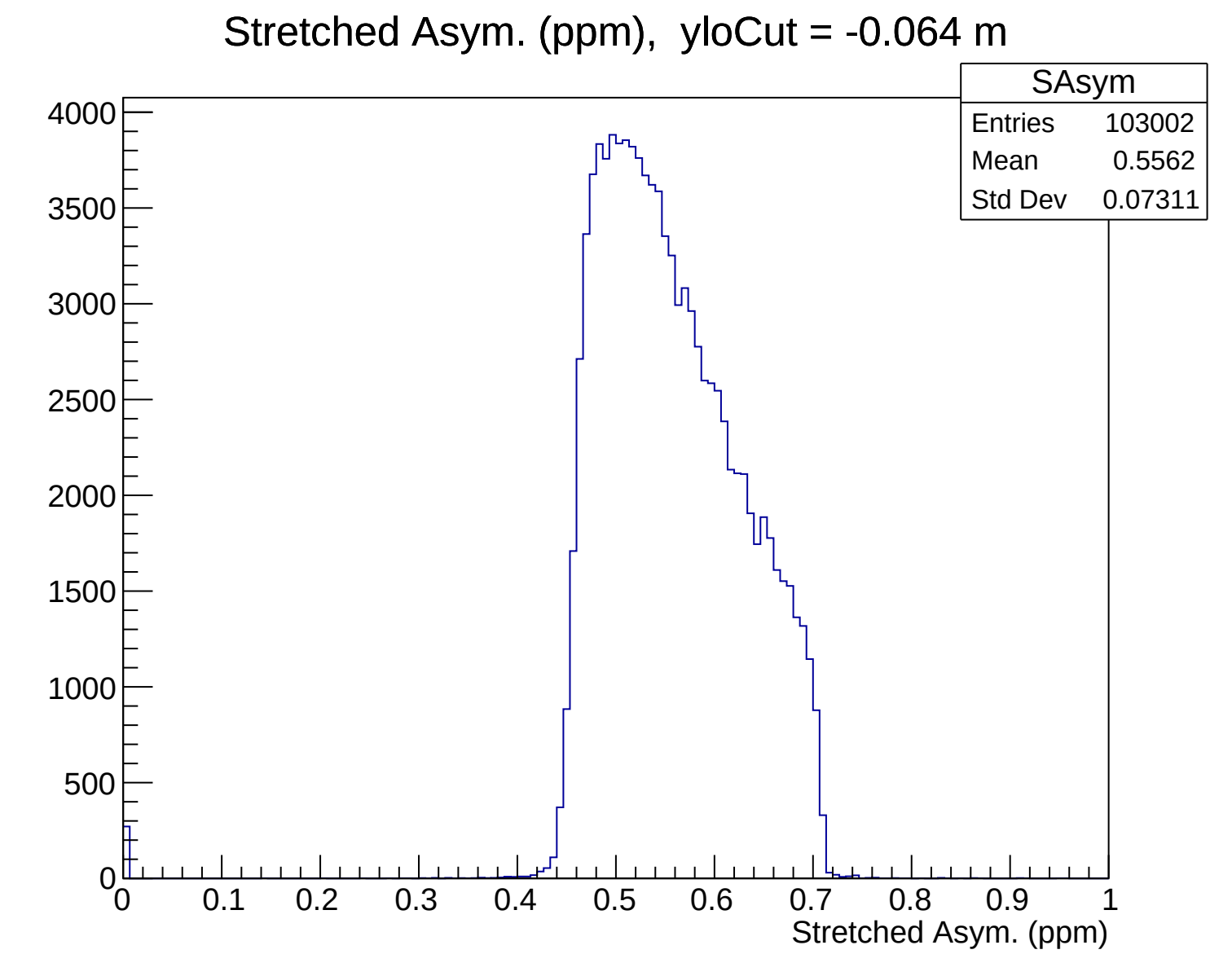

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.064
L.tr.y[0]+1.3*L.tr.ph[0] (m)

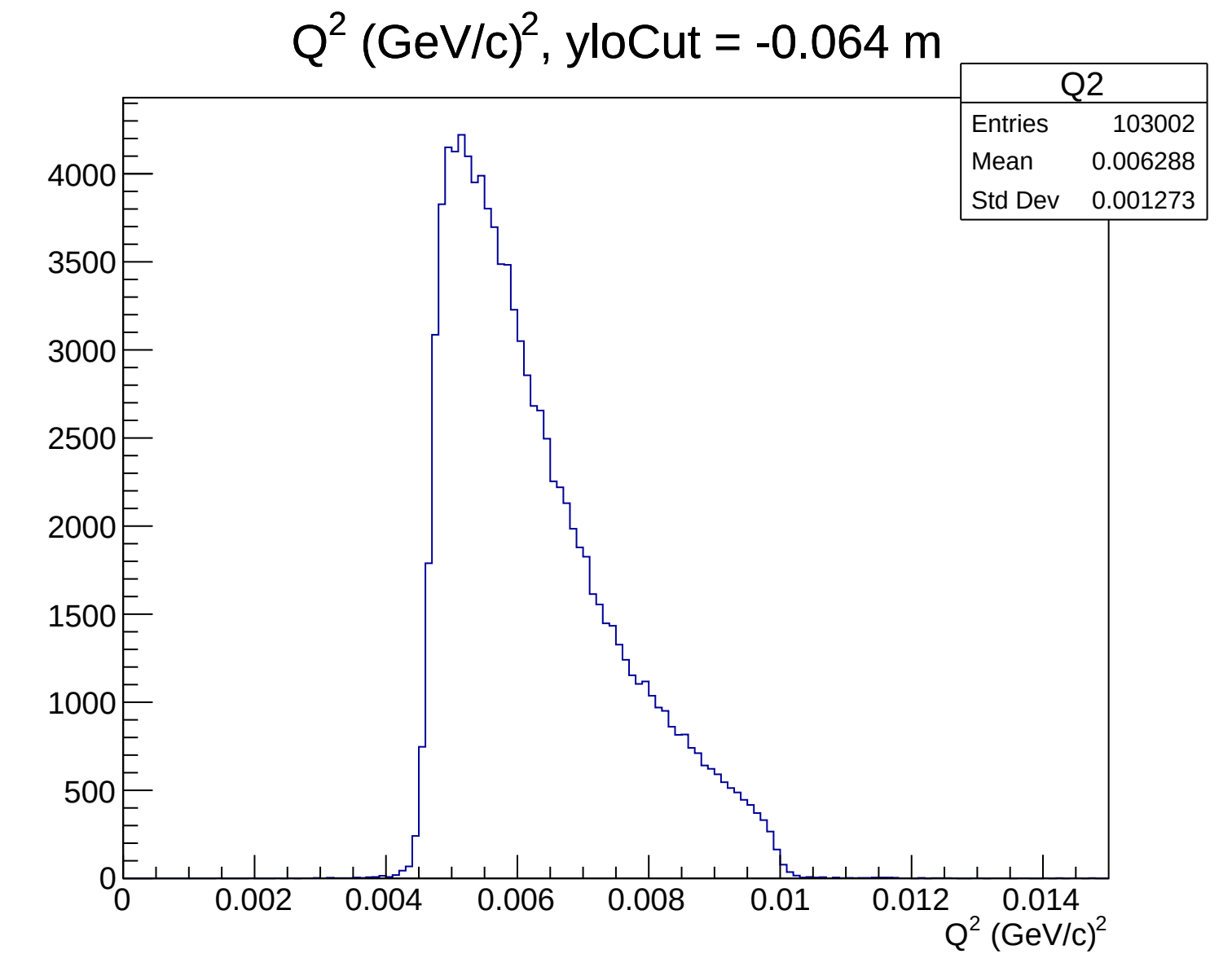

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

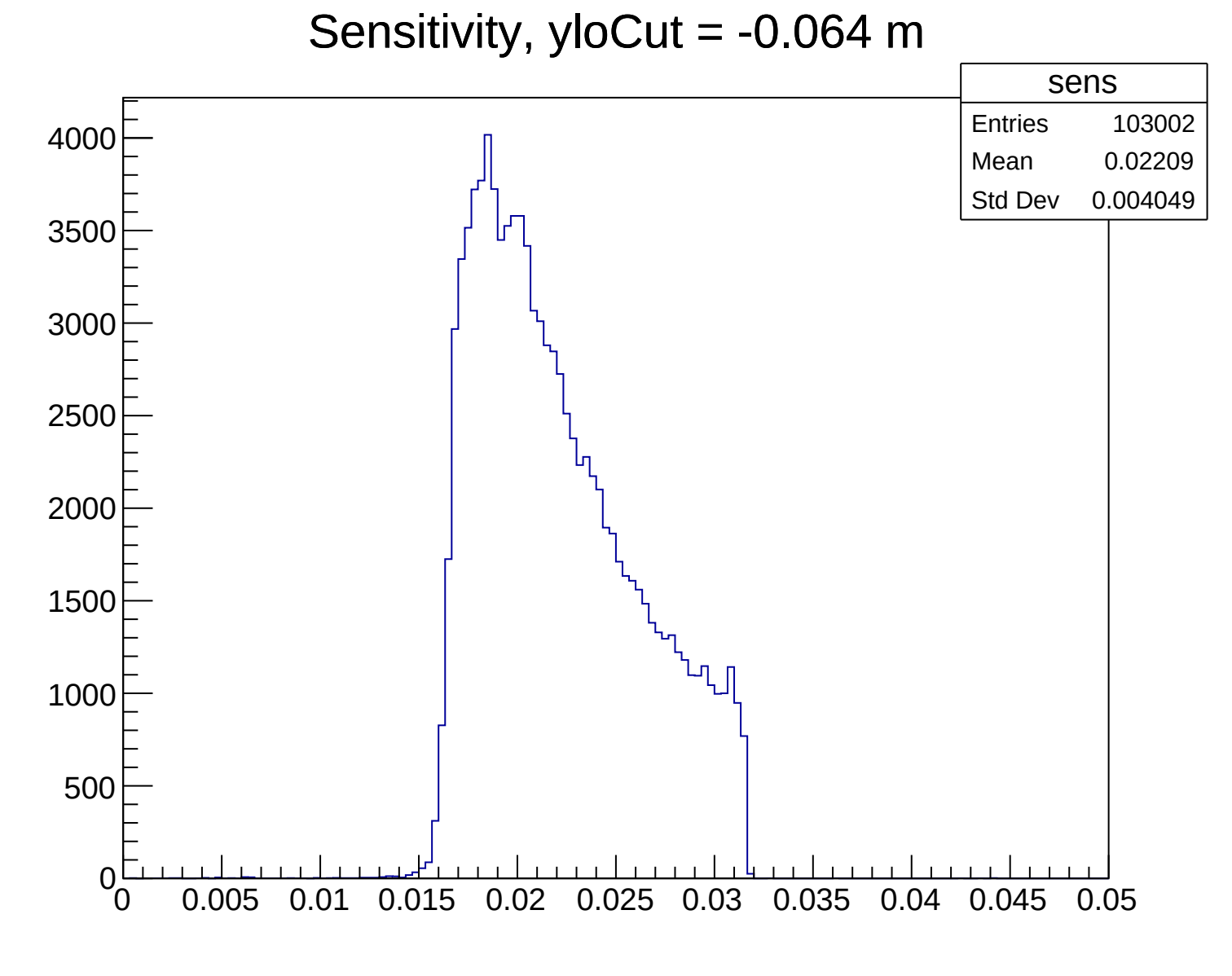

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

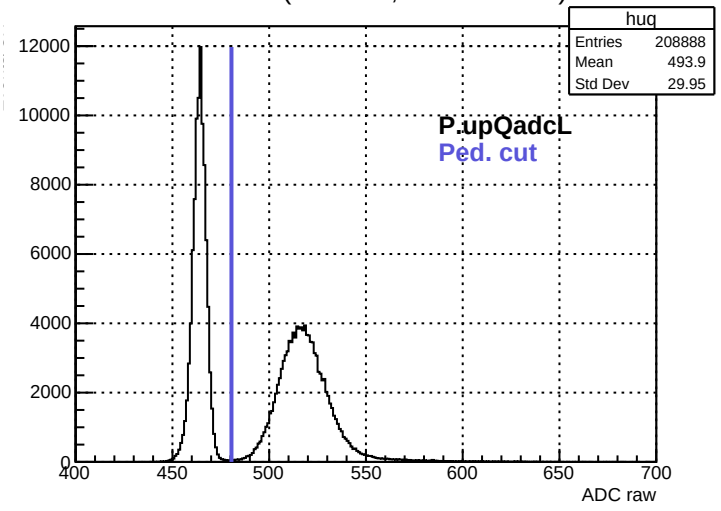

θlab (deg), yloCut = -0.064 m
Theta
Entries 103002
Mean 4.77
Std Dev 0.4711
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

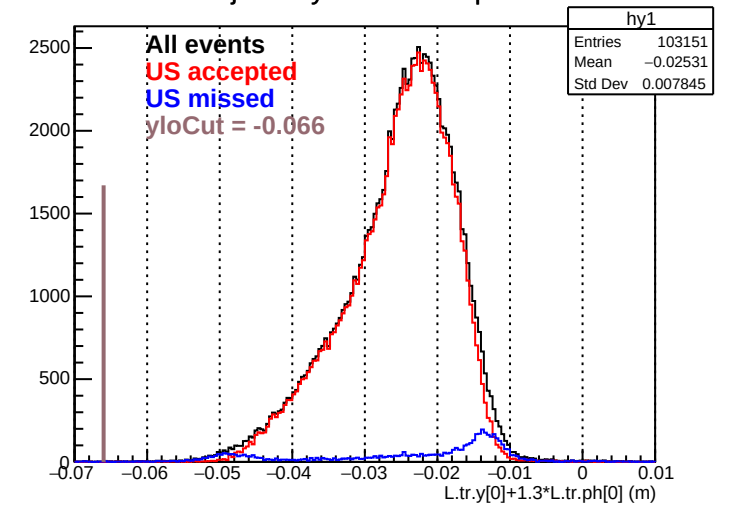

Asymmetry (ppm), yloCut = -0.064 m
Asym
Entries 103002
Mean 0.569
Std Dev 0.07705
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

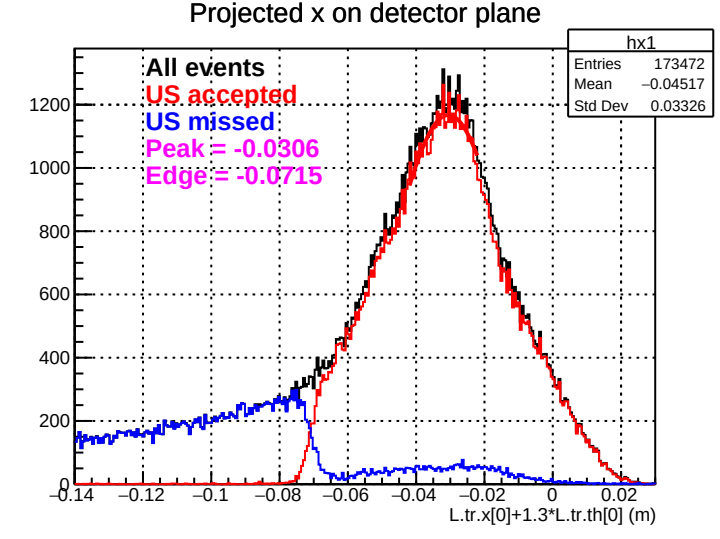

Stretched Asym. (ppm), yloCut = -0.064 m
SAsym
Entries 103002
Mean 0.5562
Std Dev 0.07311
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

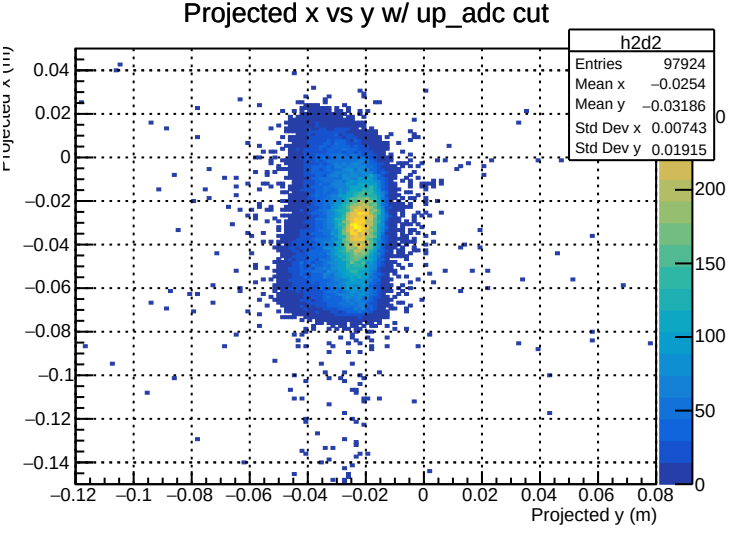

Q^2 (GeV/c)^2, yloCut = -0.064 m
Q2
Entries 103002
Mean 0.006288
Std Dev 0.001273
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

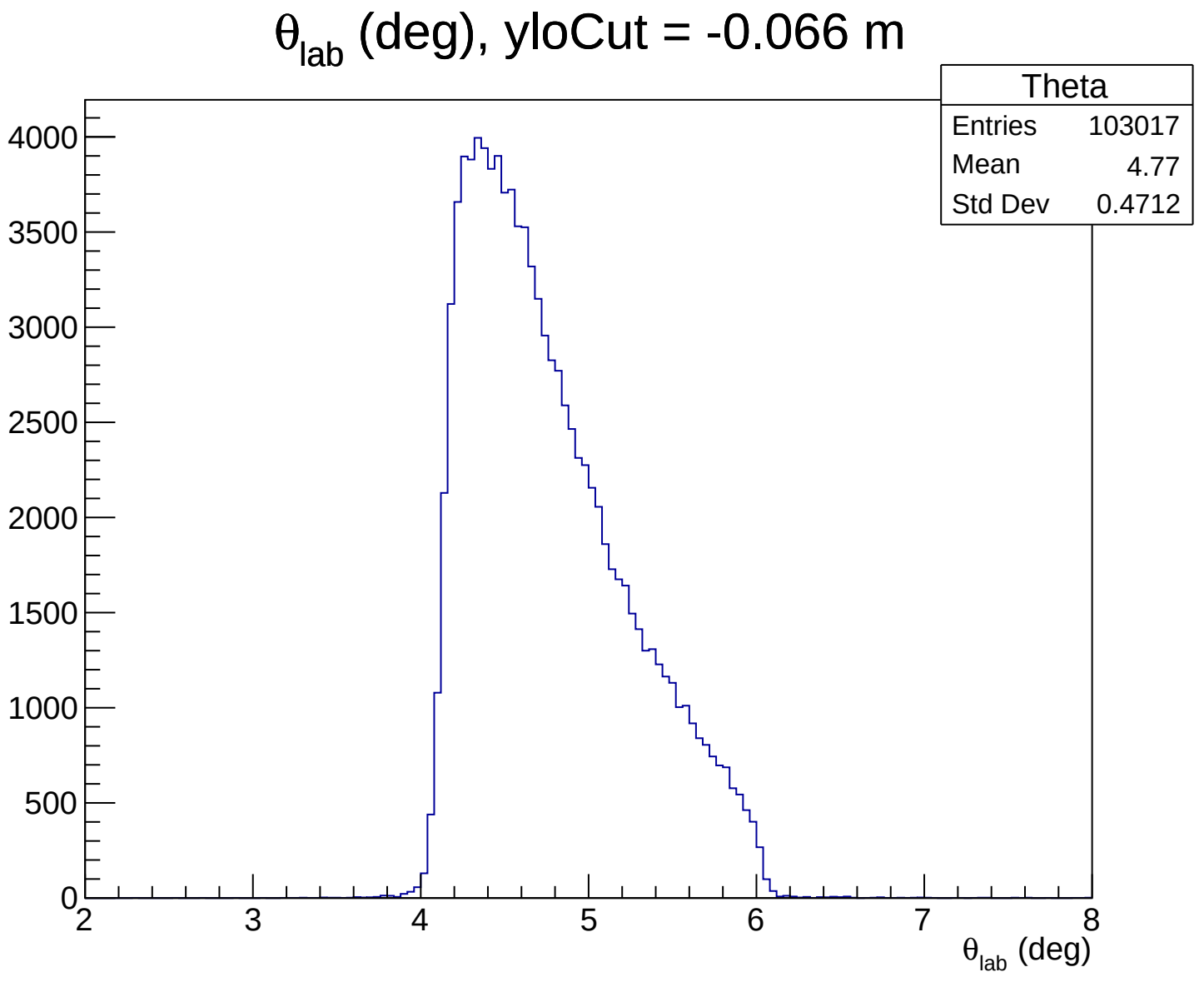

Sensitivity, yloCut = -0.064 m
sens
Entries 103002
Mean 0.02209
Std Dev 0.004049
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

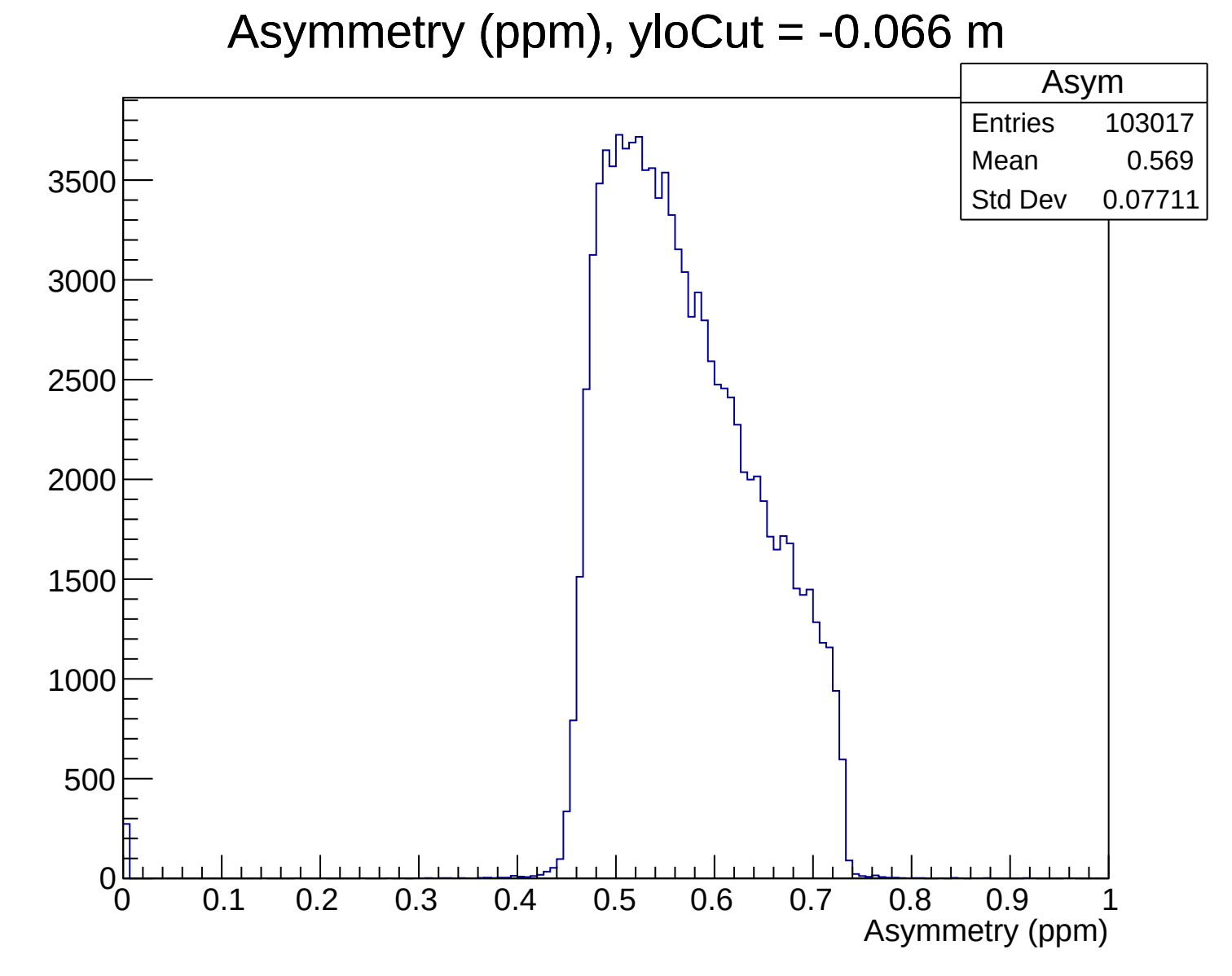

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

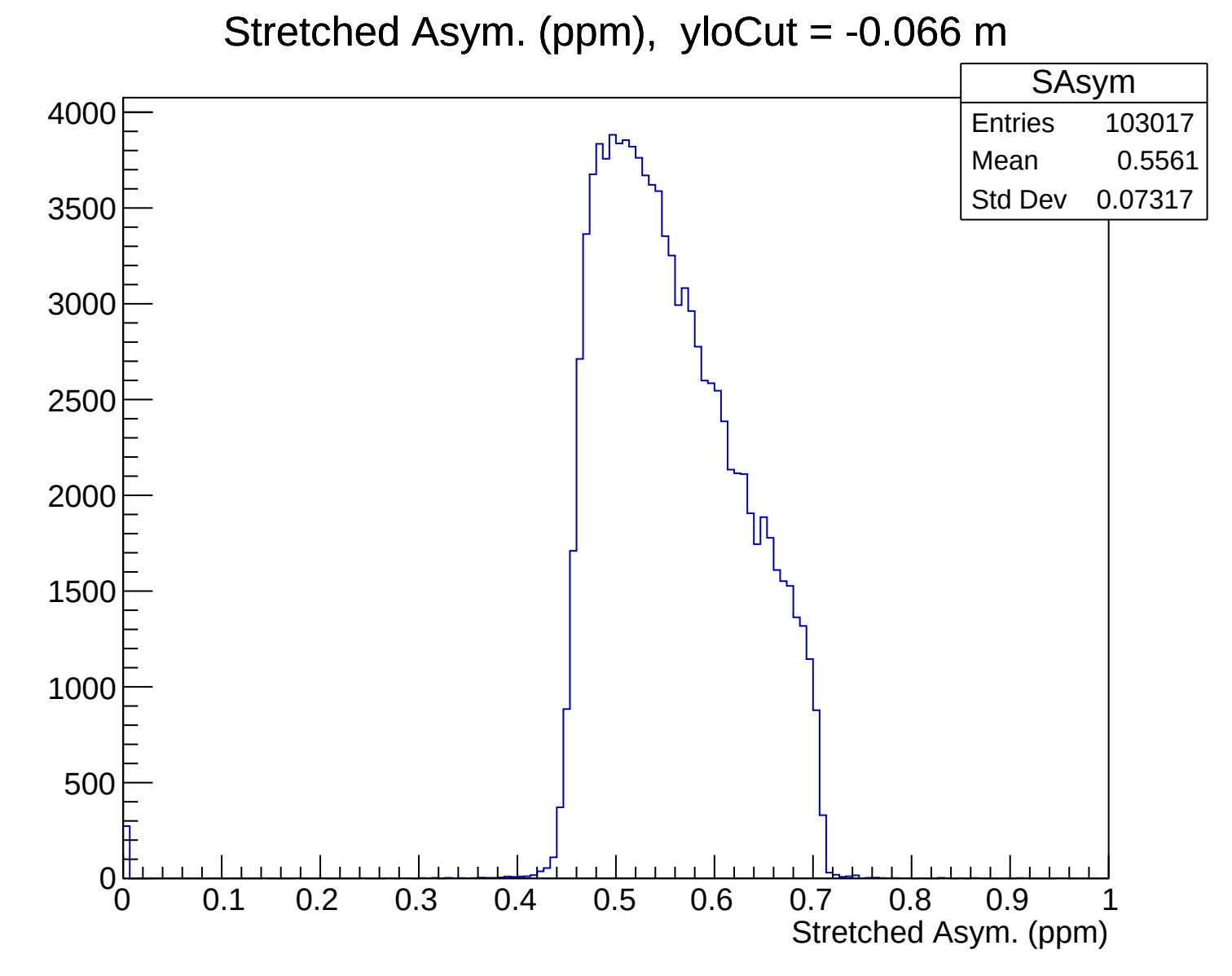

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.066
L.tr.y[0]+1.3*L.tr.ph[0] (m)

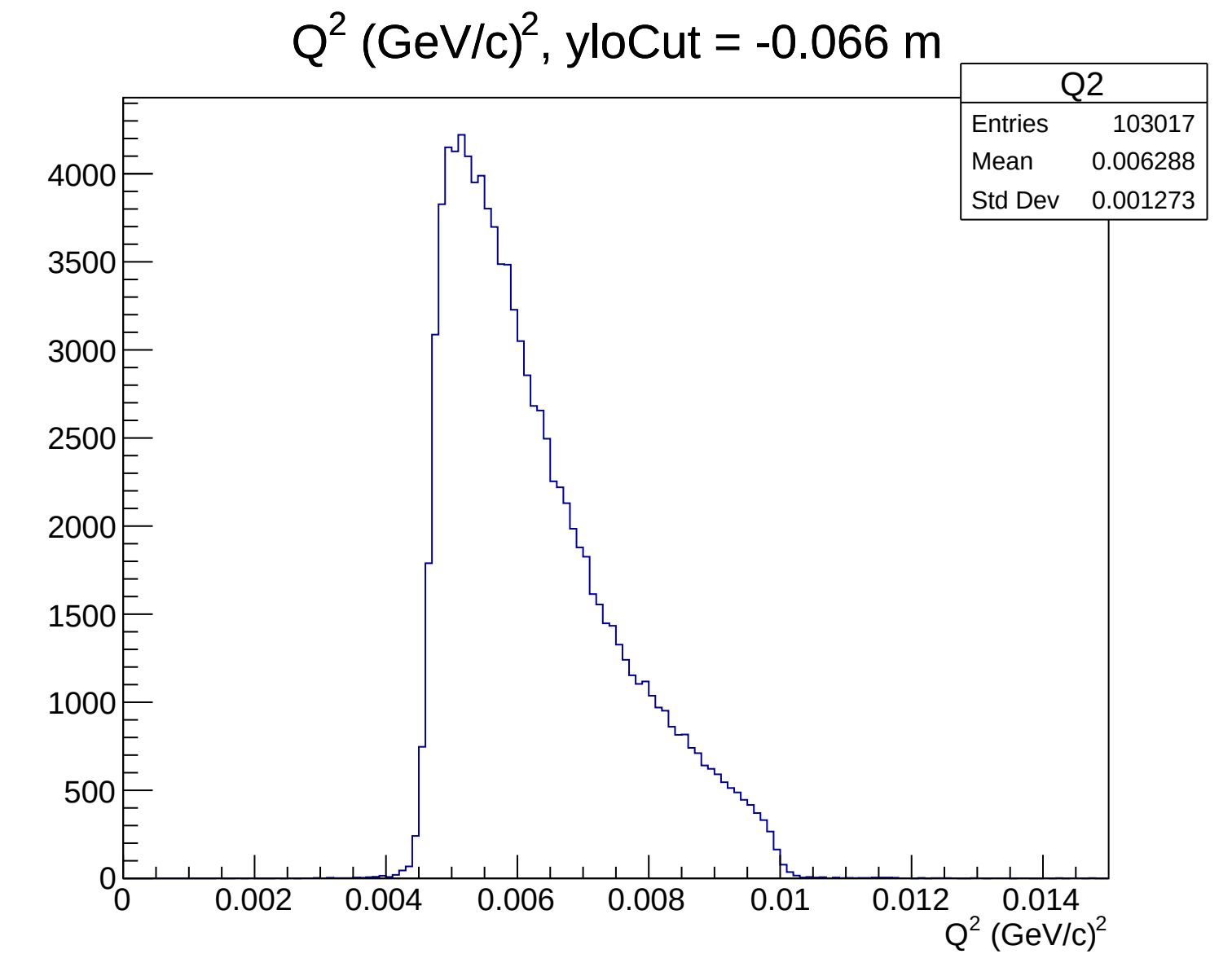

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

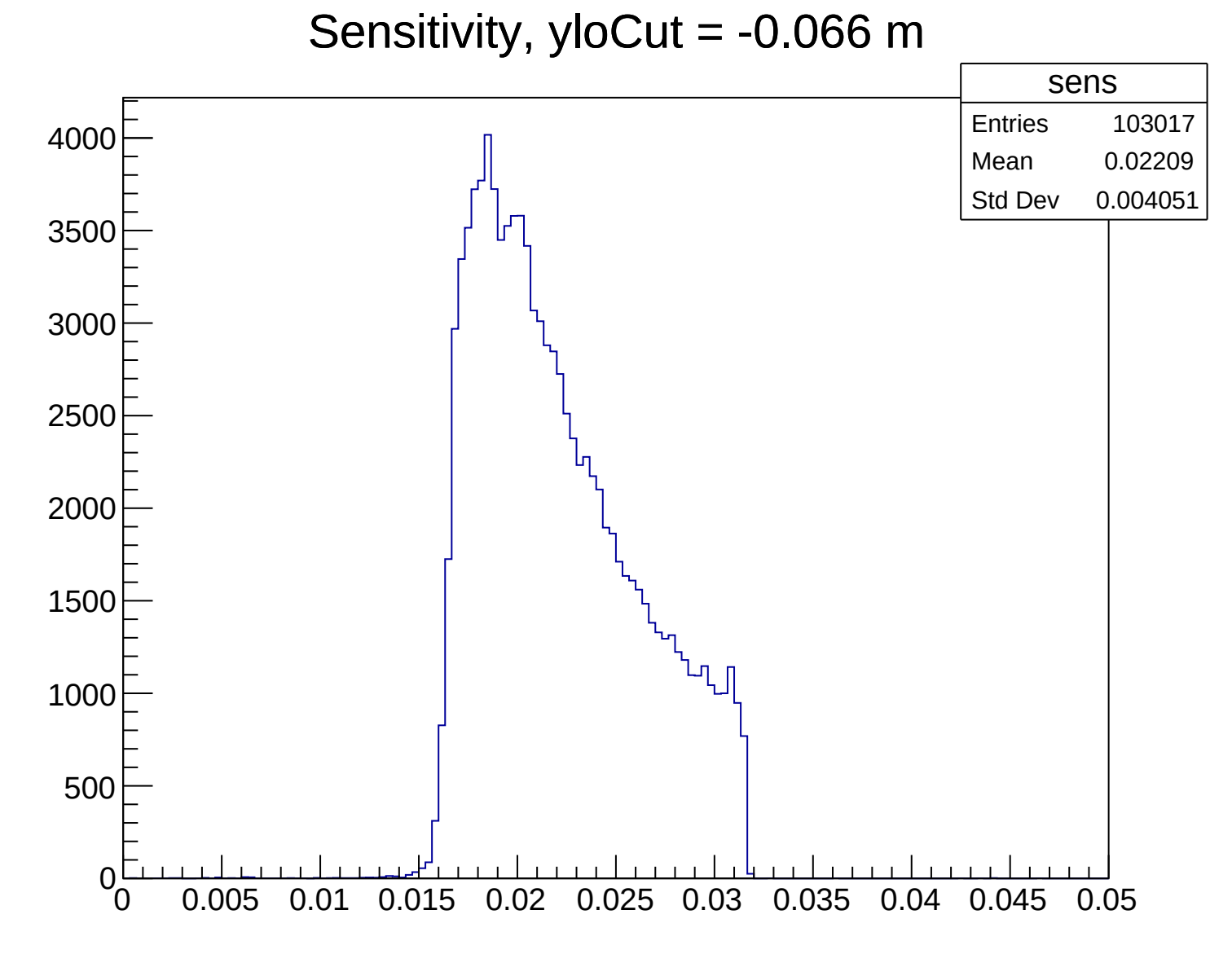

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

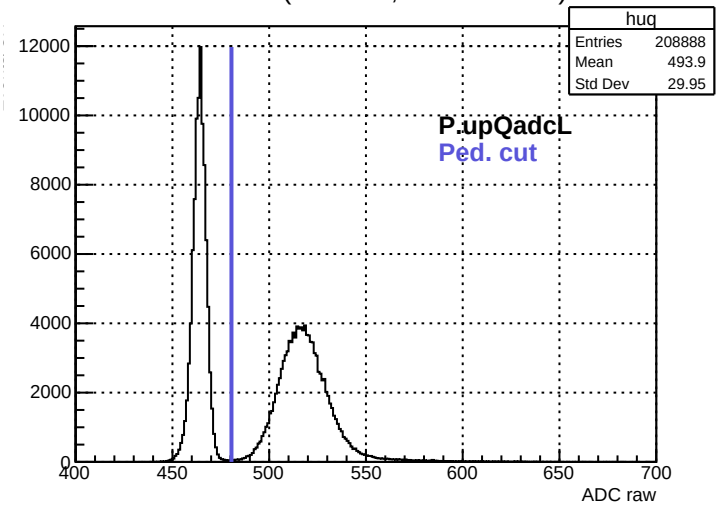

θlab (deg), yloCut = -0.066 m
Theta
Entries 103017
Mean 4.77
Std Dev 0.4712
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

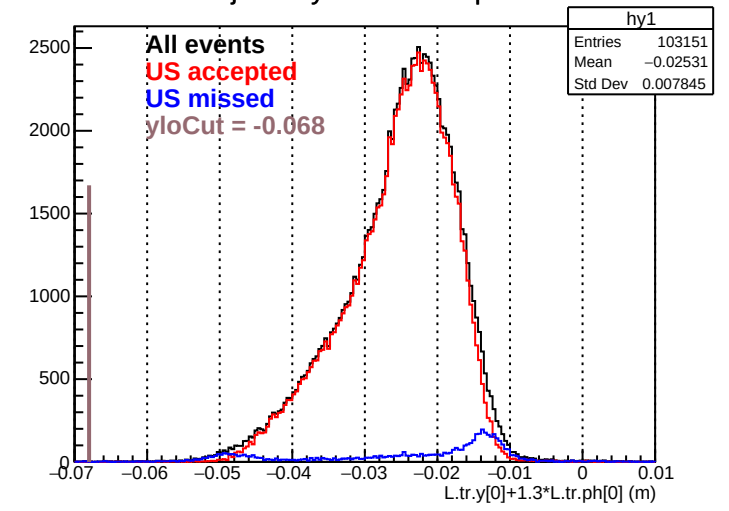

Asymmetry (ppm), yloCut = -0.066 m
Asym
Entries 103017
Mean 0.569
Std Dev 0.07711
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

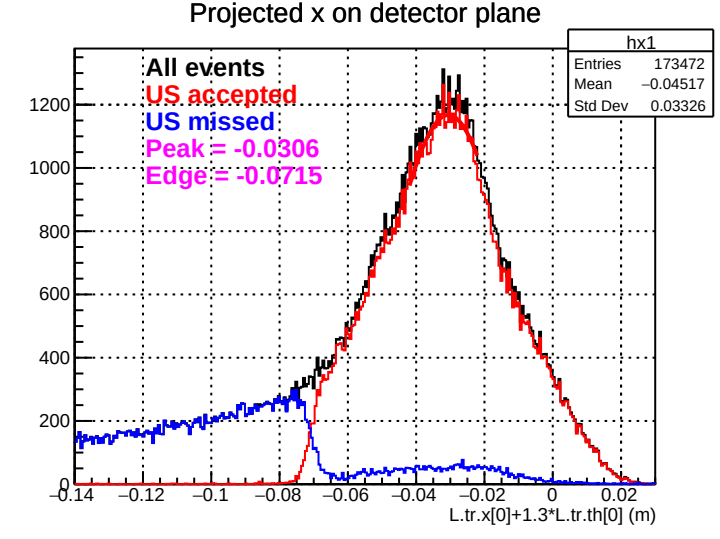

Stretched Asym. (ppm), yloCut = -0.066 m
SAsym
Entries 103017
Mean 0.5561
Std Dev 0.07317
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

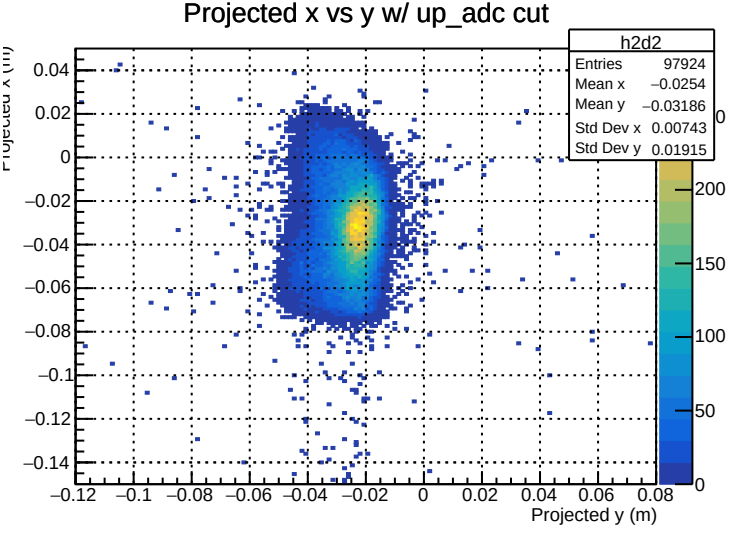

Q^2 (GeV/c)^2, yloCut = -0.066 m
Q2
Entries 103017
Mean 0.006288
Std Dev 0.001273
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

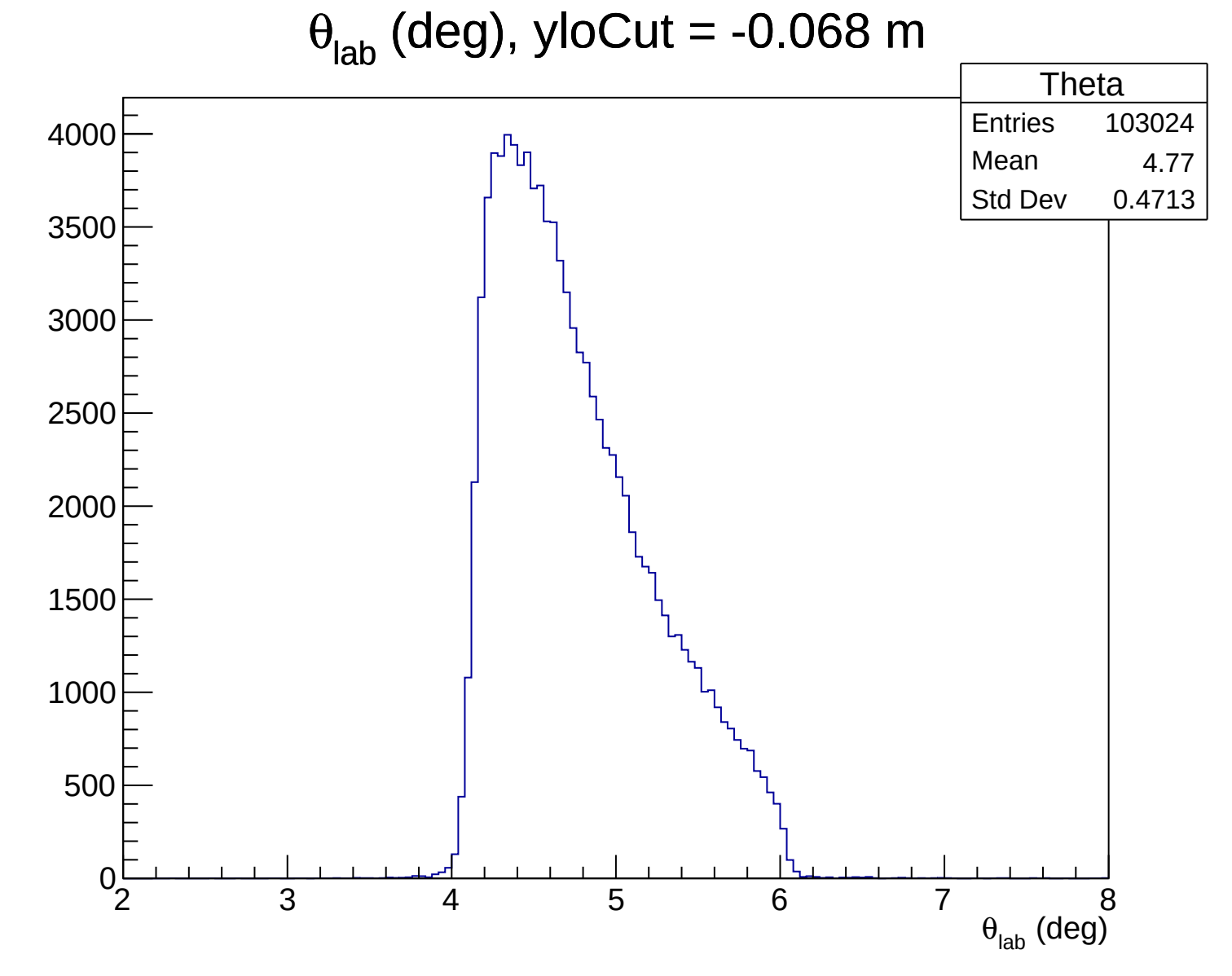

Sensitivity, yloCut = -0.066 m
sens
Entries 103017
Mean 0.02209
Std Dev 0.004051
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

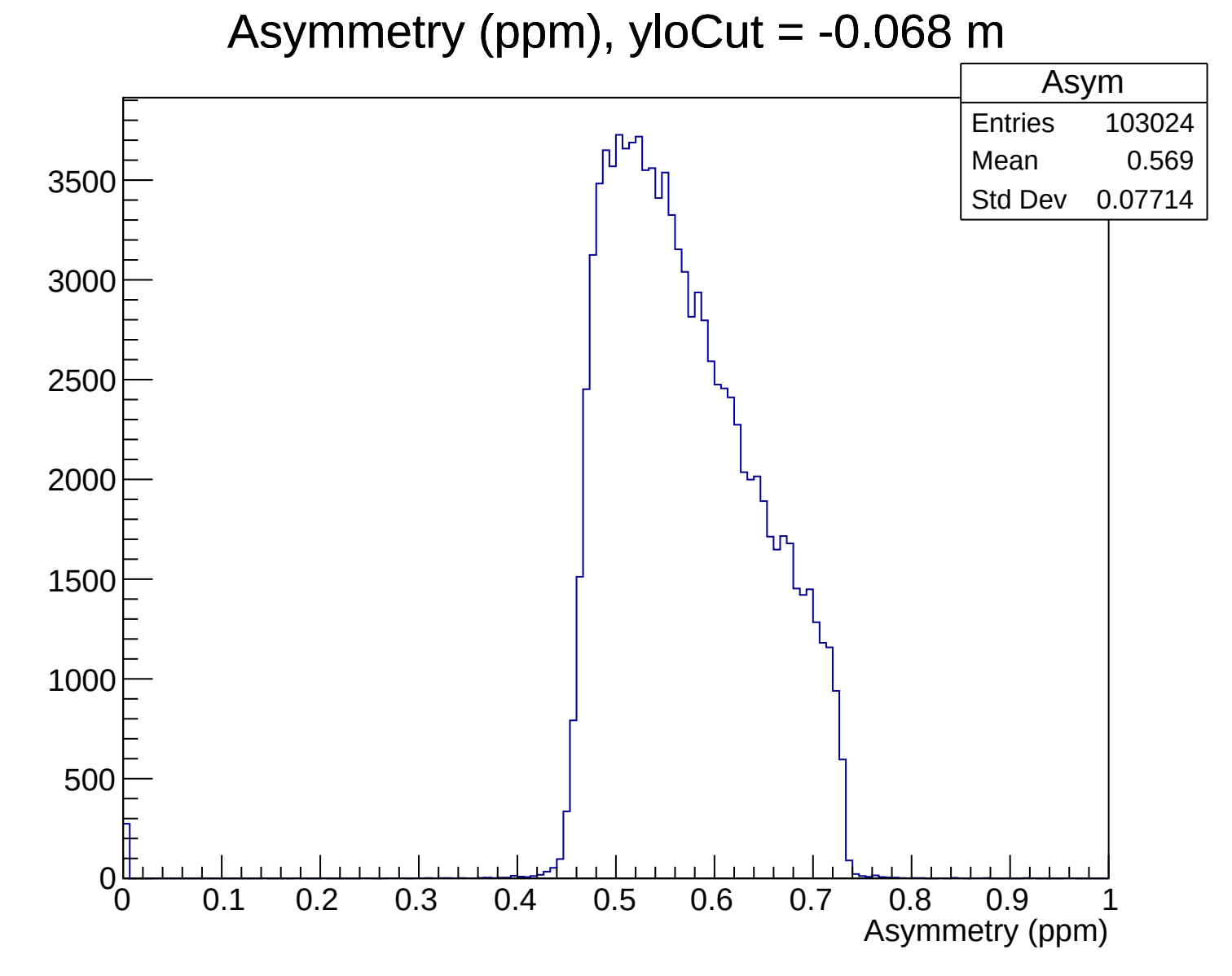

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

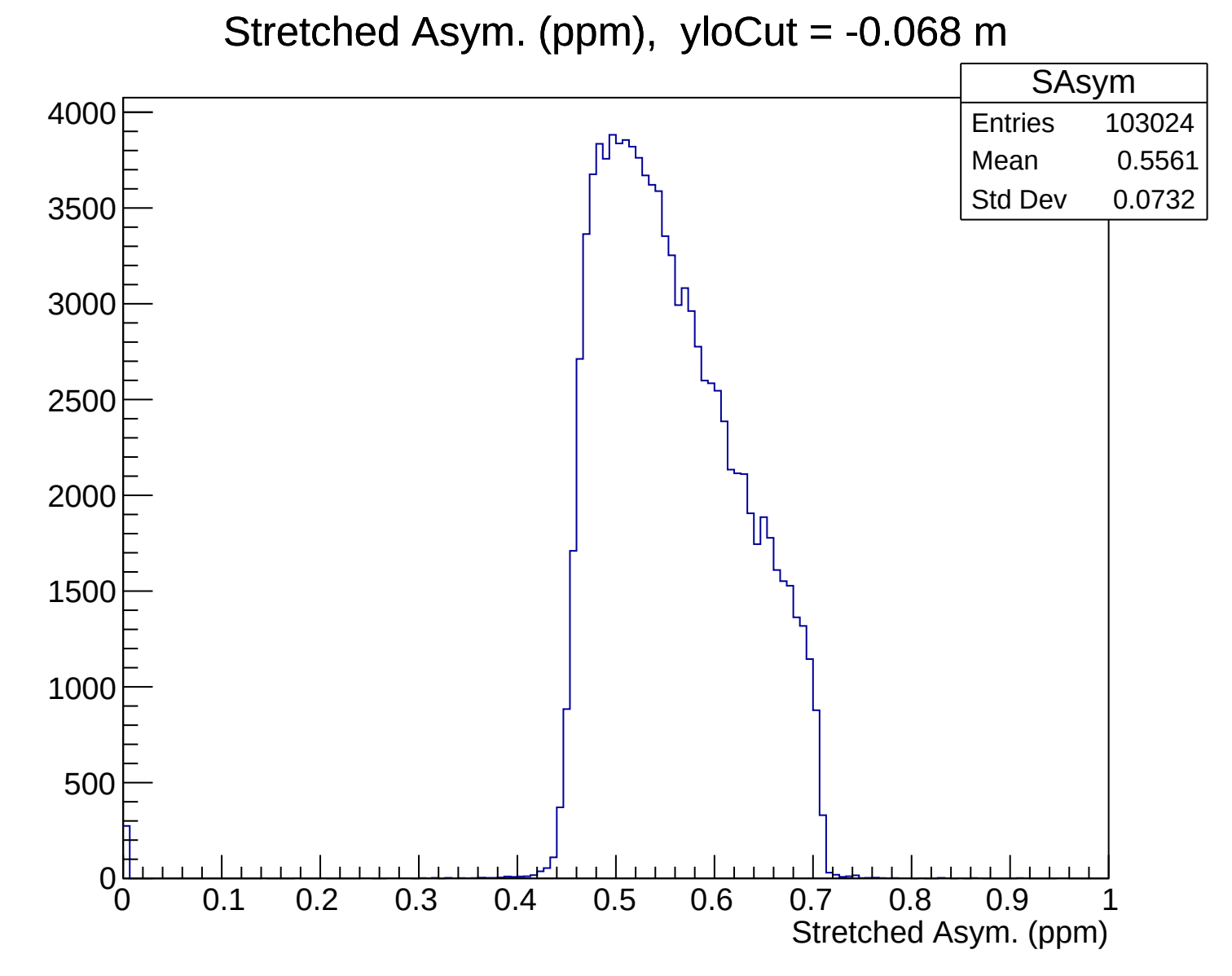

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.068
L.tr.y[0]+1.3*L.tr.ph[0] (m)

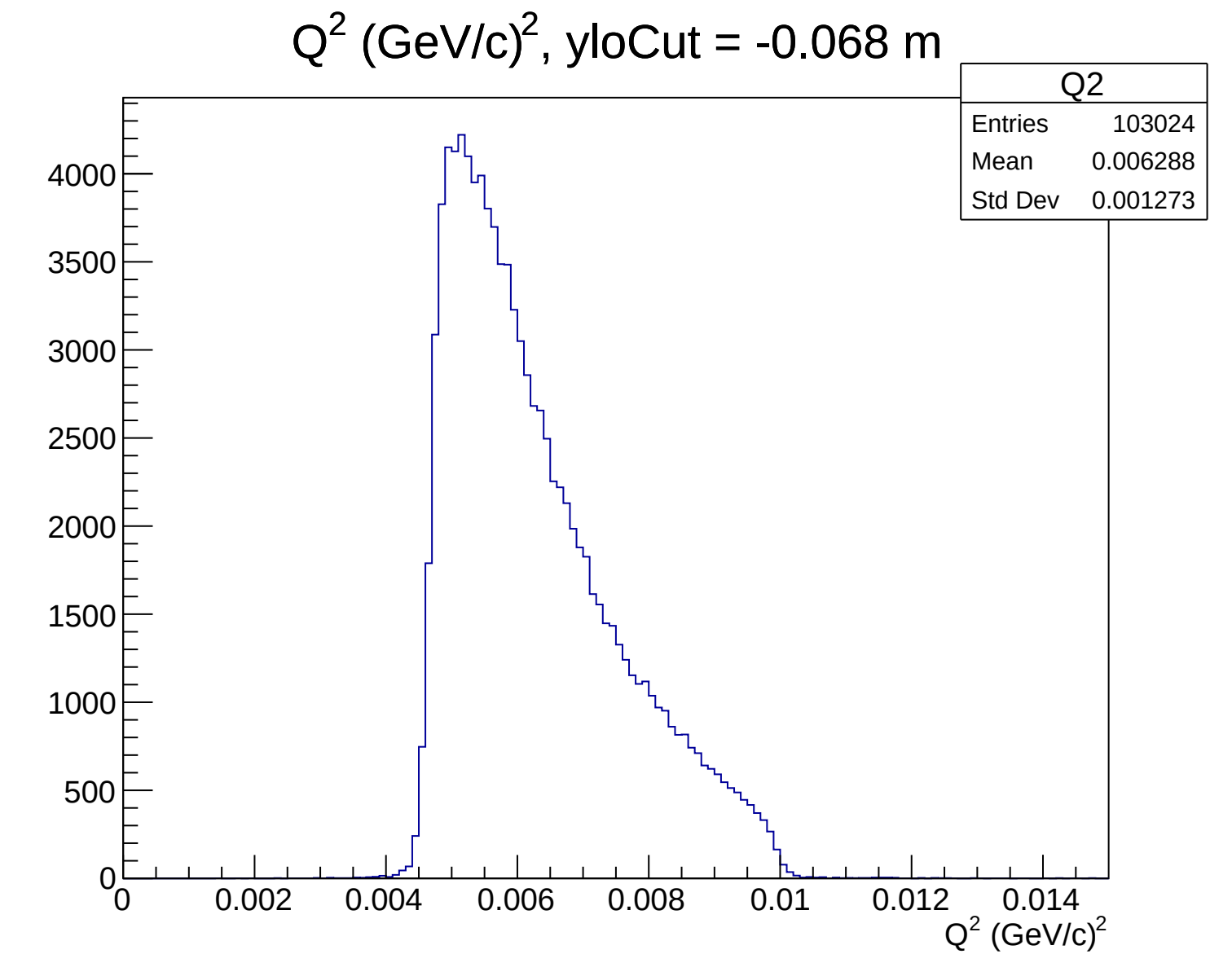

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

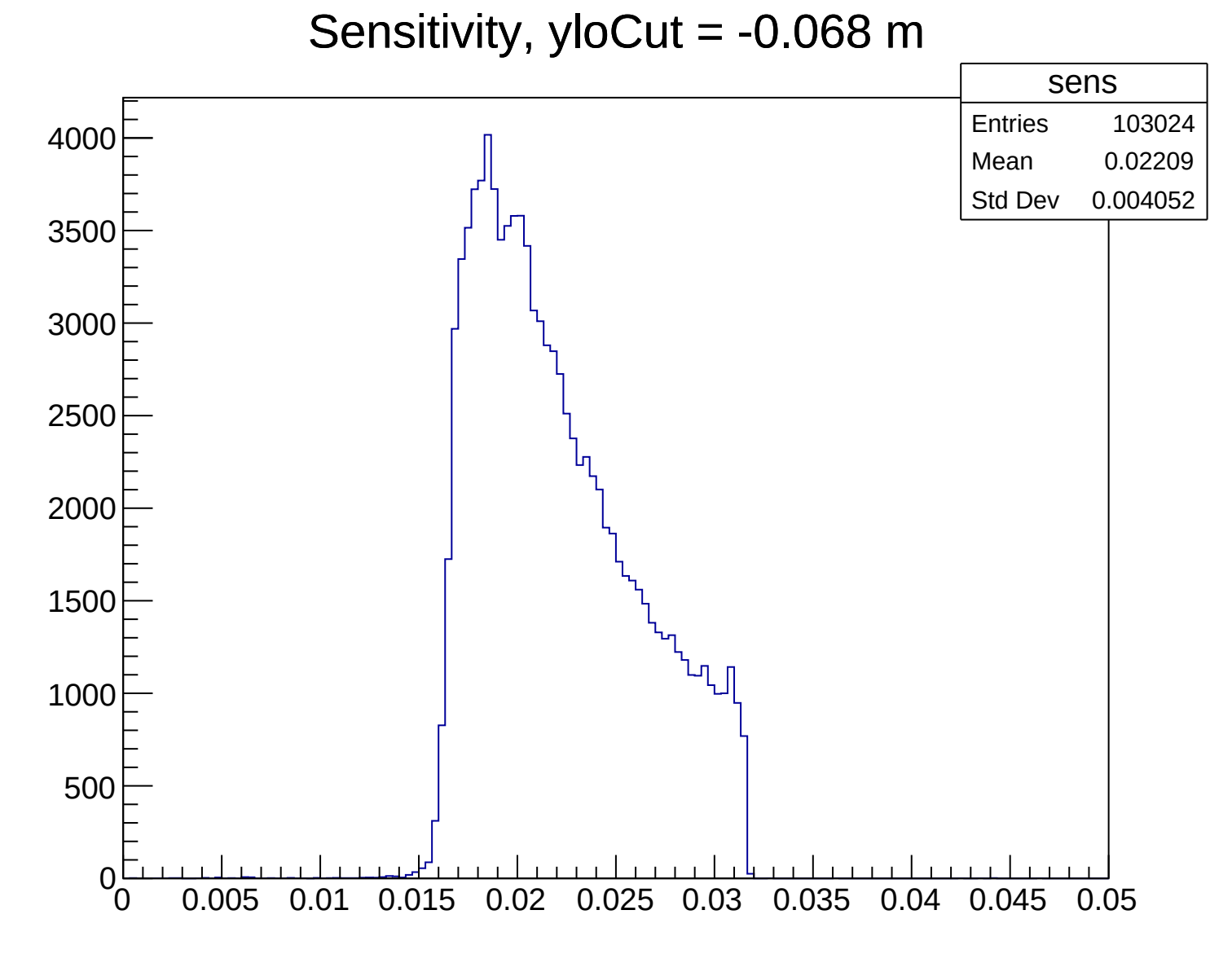

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected y (m)

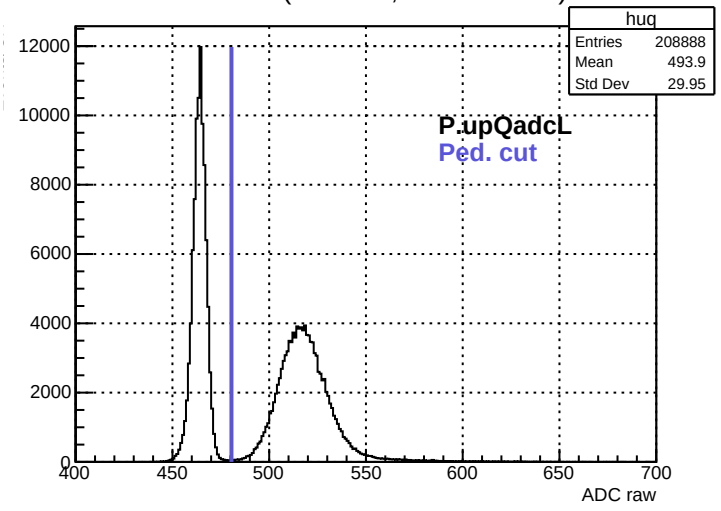

θlab (deg), yloCut = -0.068 m
Theta
Entries 103024
Mean 4.77
Std Dev 0.4713
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

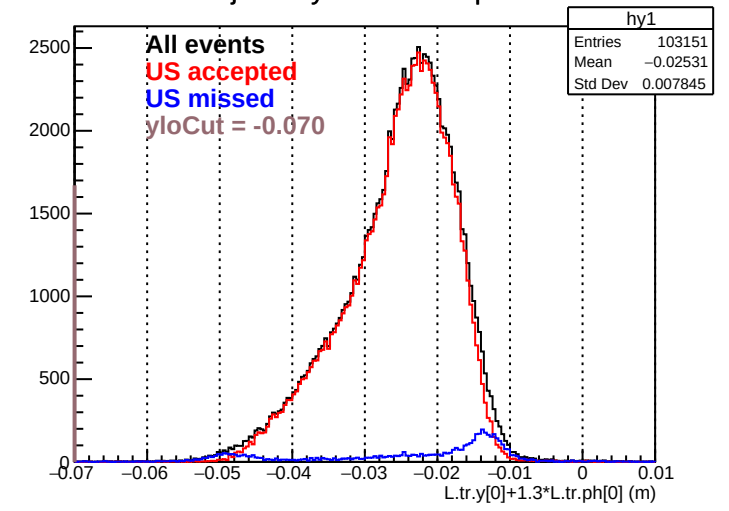

Asymmetry (ppm), yloCut = -0.068 m
Asym
Entries 103024
Mean 0.569
Std Dev 0.07714
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

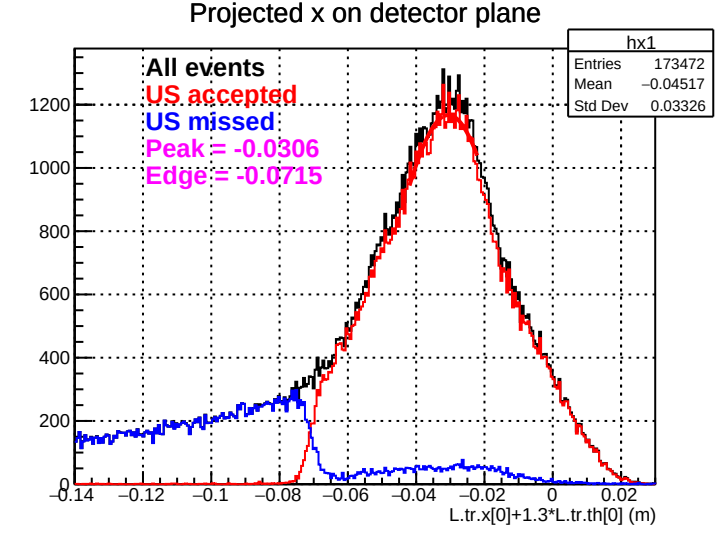

Stretched Asym. (ppm), yloCut = -0.068 m
SAsym
Entries 103024
Mean 0.5561
Std Dev 0.0732
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

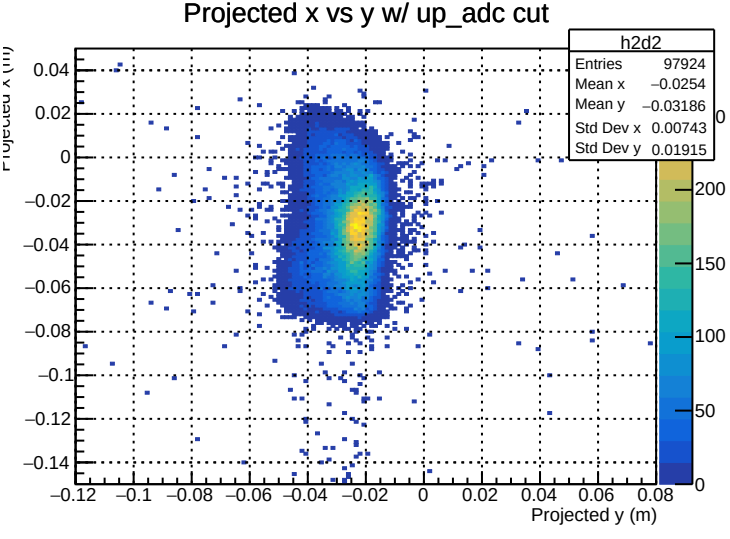

Q^2 (GeV/c)^2, yloCut = -0.068 m
Q2
Entries 103024
Mean 0.006288
Std Dev 0.001273
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

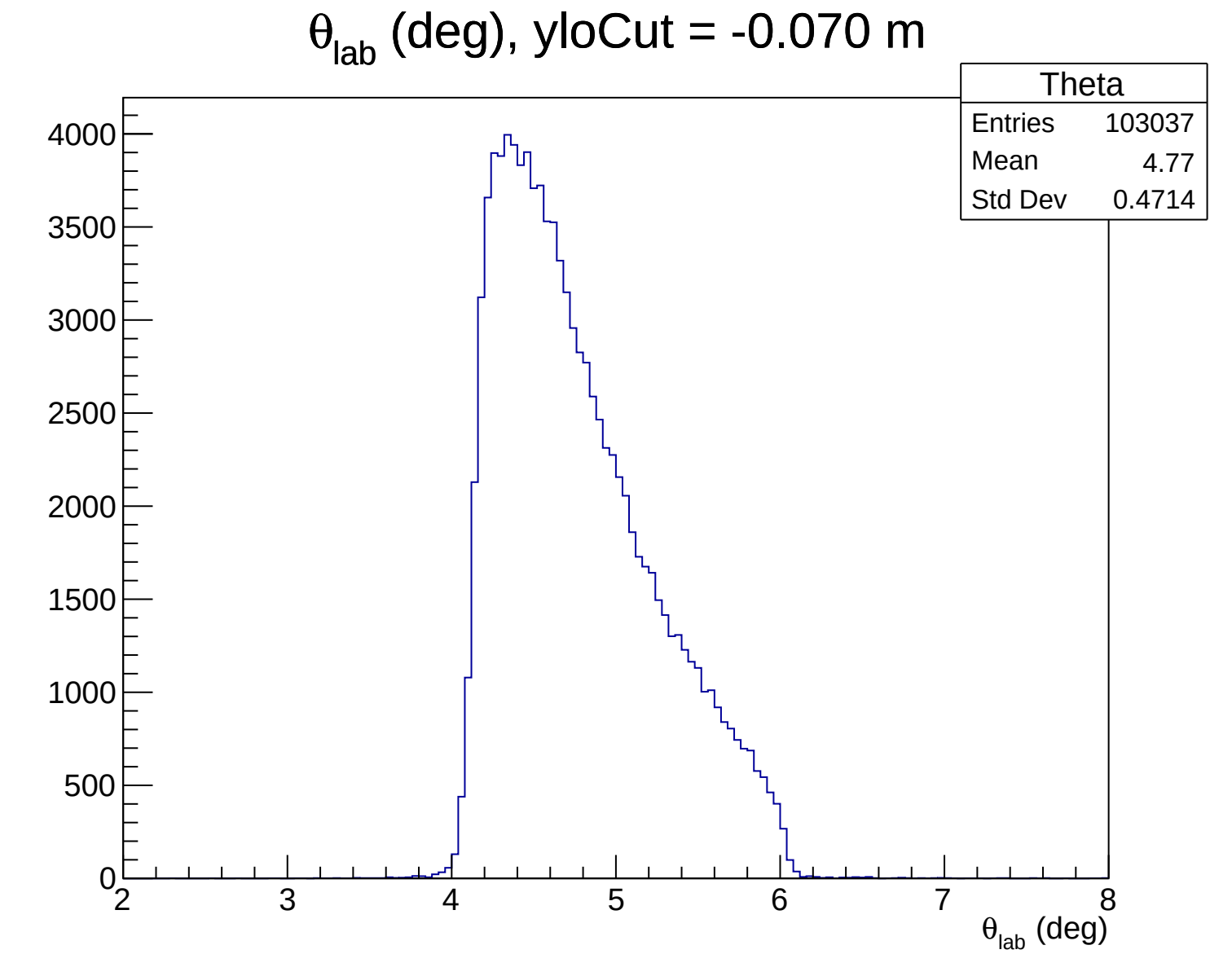

Sensitivity, yloCut = -0.068 m
sens
Entries 103024
Mean 0.02209
Std Dev 0.004052
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

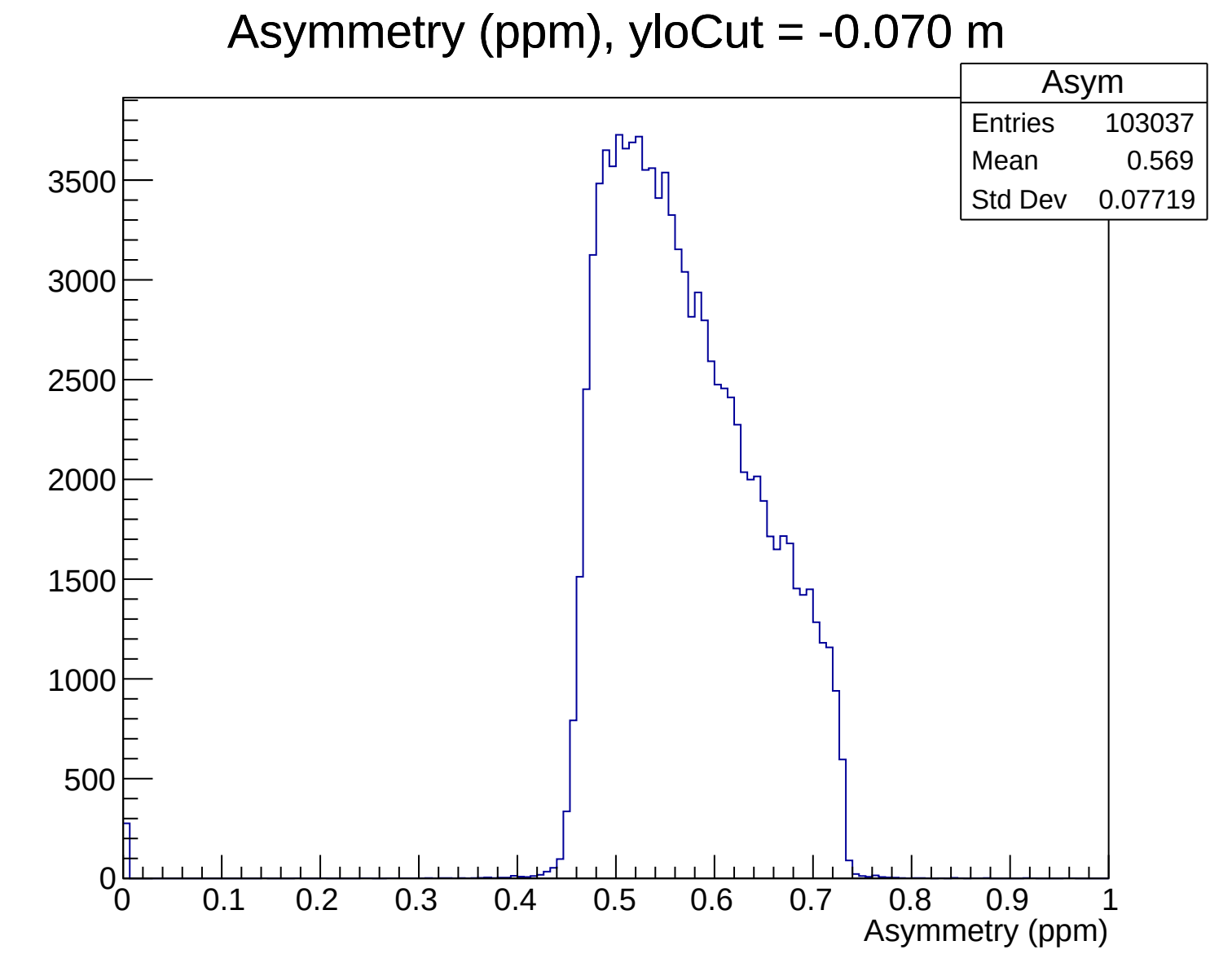

ADC raw (run2317, detZ = 1.3 m)
huq
Entries 208888
Mean 493.9
Std Dev 29.95
P.upQadcL
Ped. cut
ADC raw

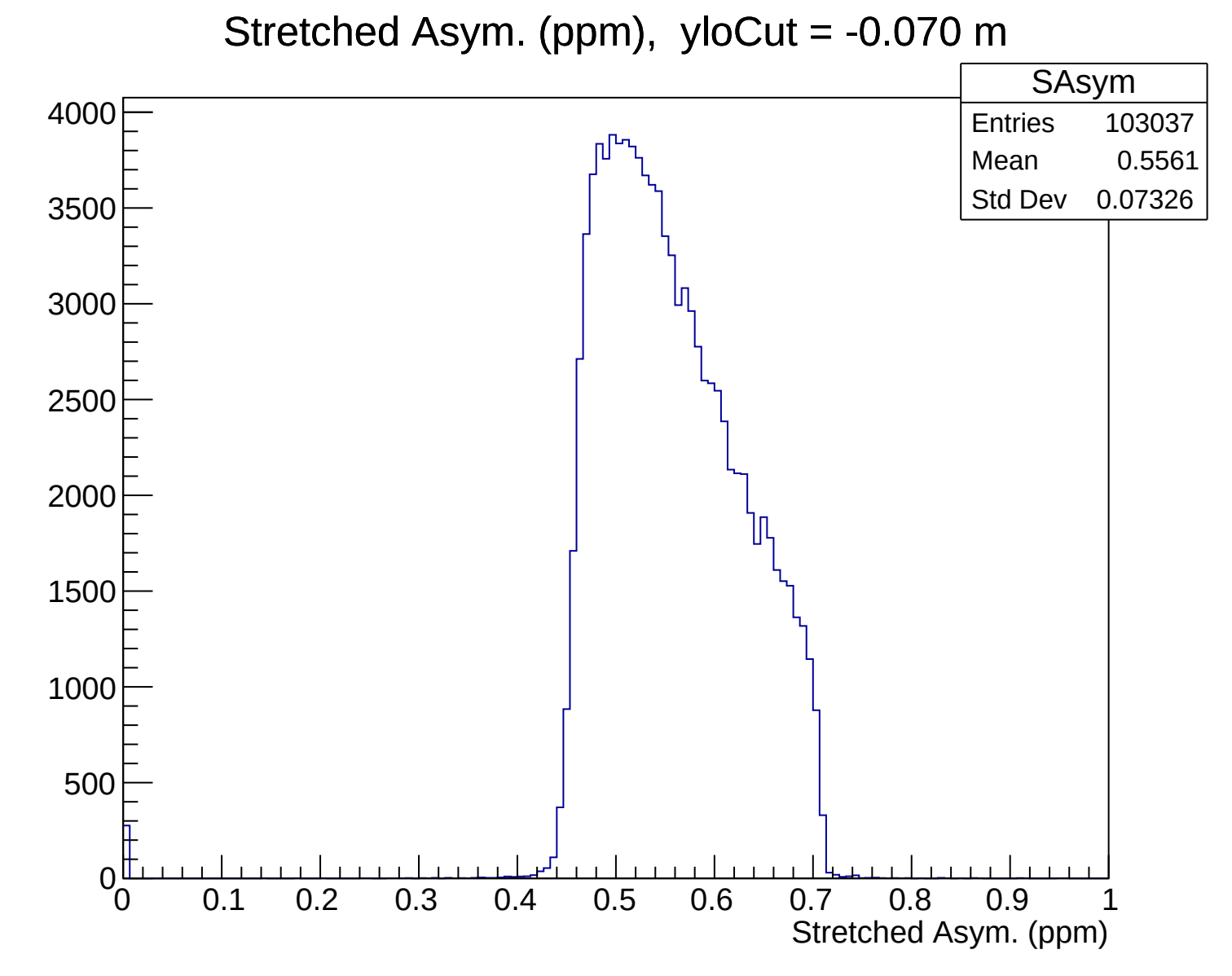

Projected y on detector plane
hy1
Entries 103151
Mean −0.02531
Std Dev 0.007845
All events
US accepted
US missed
yloCut = -0.070
L.tr.y[0]+1.3*L.tr.ph[0] (m)

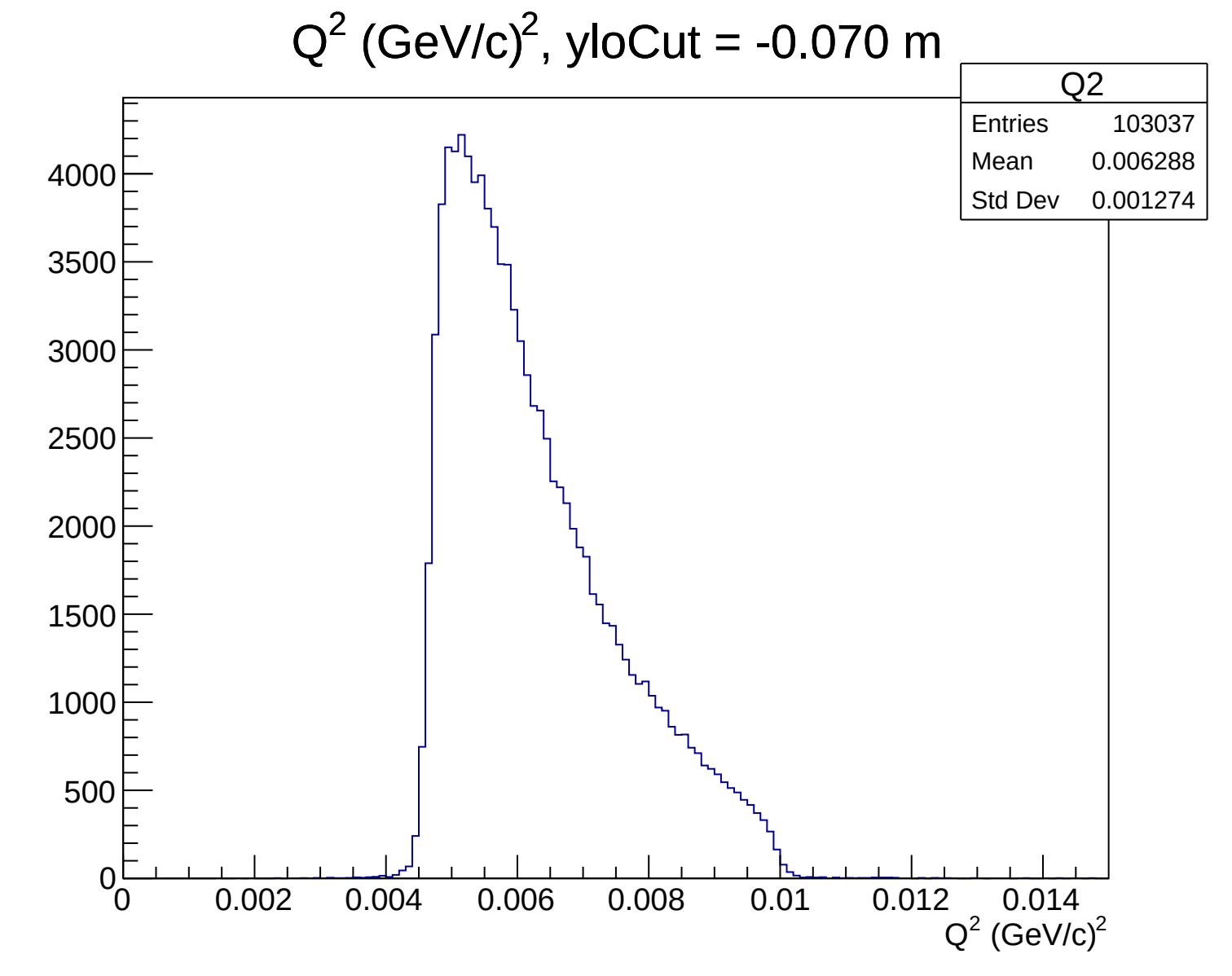

Projected x on detector plane
hx1
Entries 173472
Mean −0.04517
Std Dev 0.03326
All events
US accepted
US missed
Peak = -0.0306
Edge = -0.0715
L.tr.x[0]+1.3*L.tr.th[0] (m)

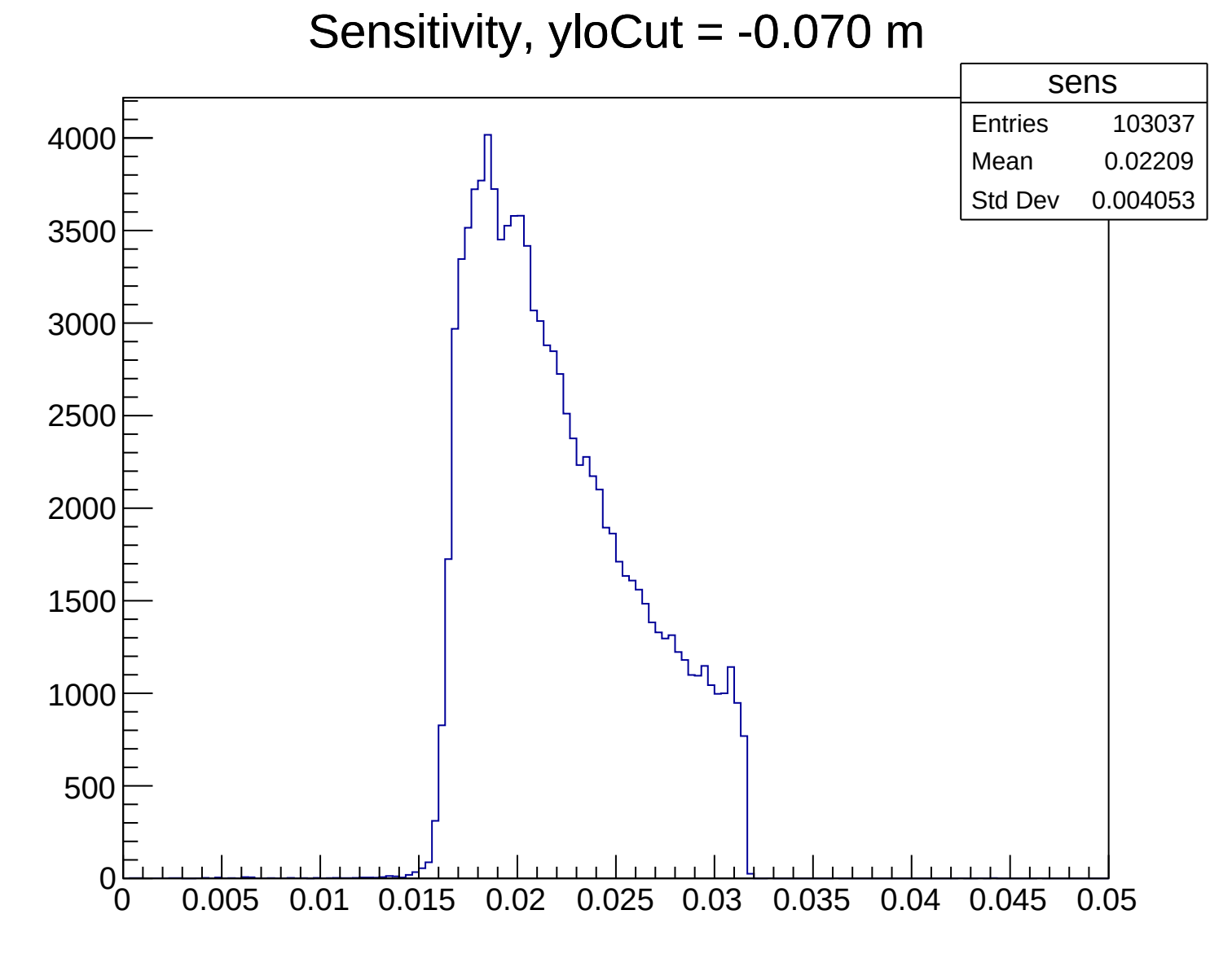

Projected x vs y w/ up_adc cut
h2d2
Entries 97924
Mean x −0.0254
Mean y −0.03186
Std Dev x 0.00743
Std Dev y 0.01915
Projected x (m)
Projected y (m)


θlab (deg), yloCut = -0.070 m
Theta
Entries 103037
Mean 4.77
Std Dev 0.4714
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 103037
Mean 0.569
Std Dev 0.07719
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 103037
Mean 0.5561
Std Dev 0.07326
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 103037
Mean 0.006288
Std Dev 0.001274
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 103037
Mean 0.02209
Std Dev 0.004053
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