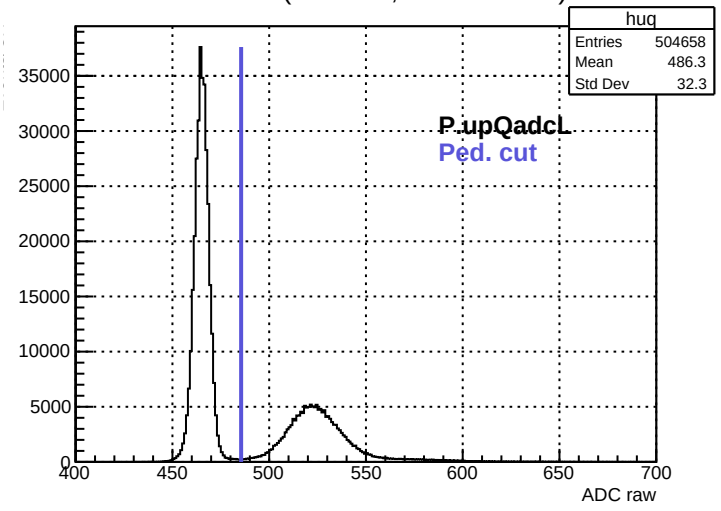
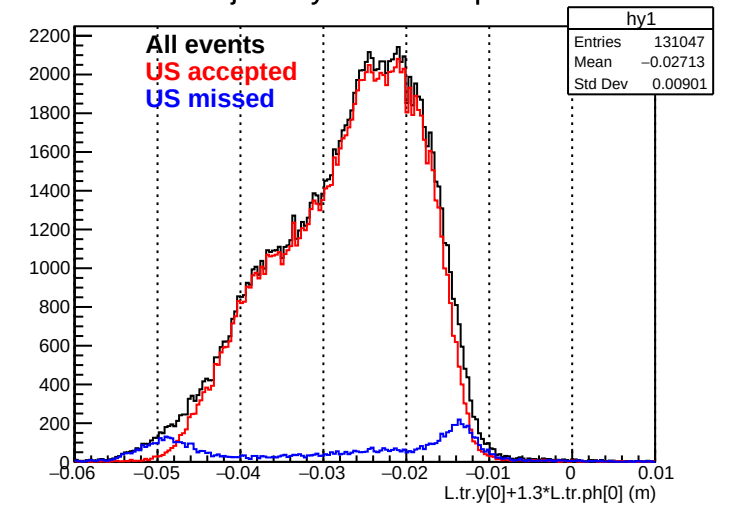
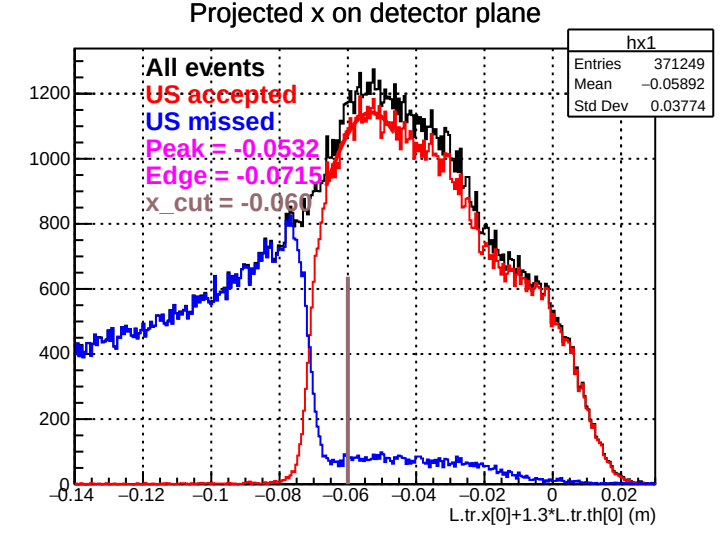
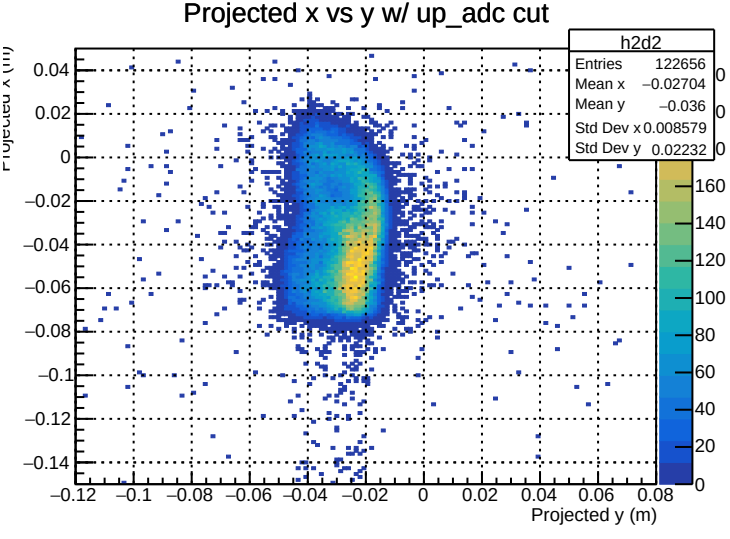
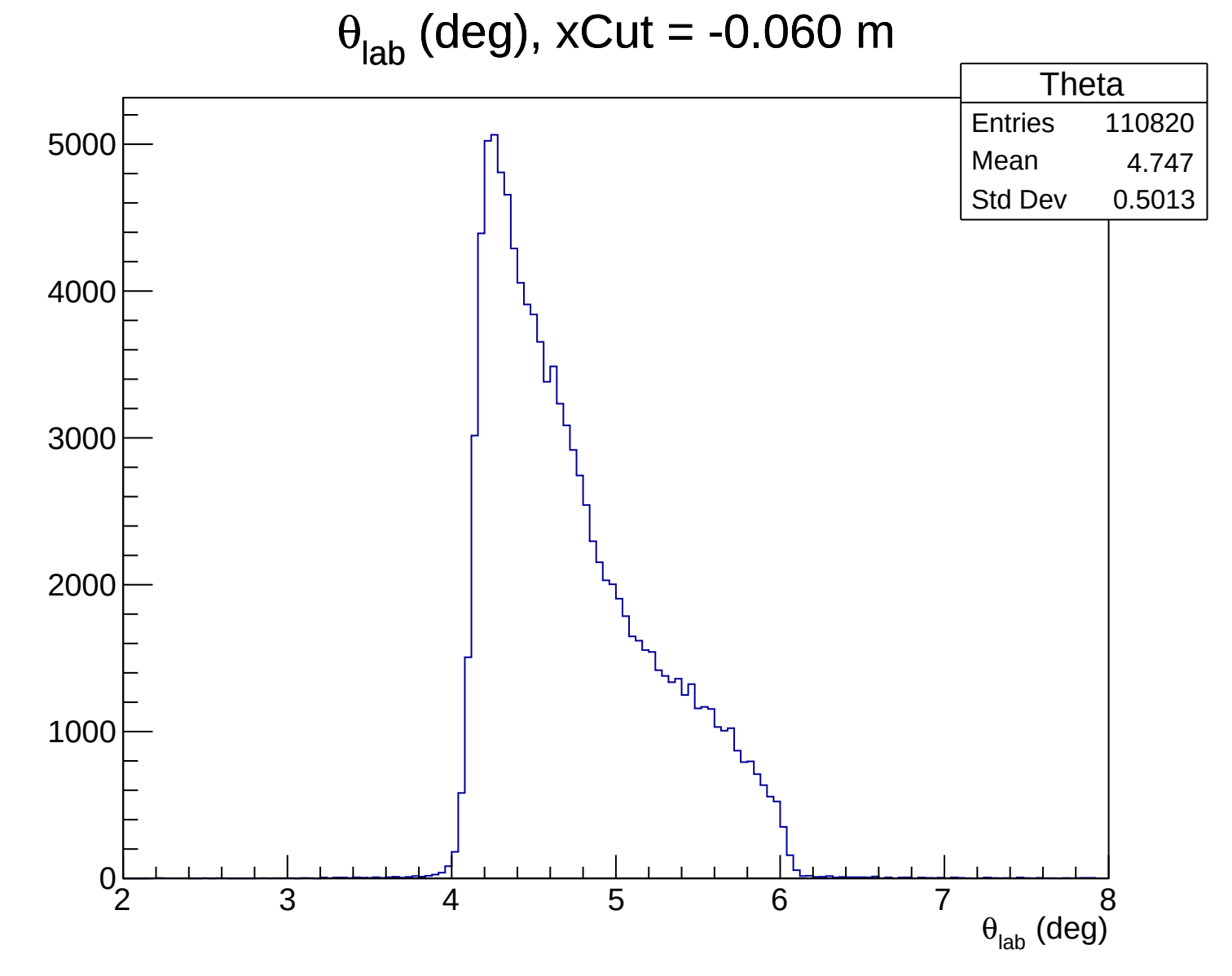
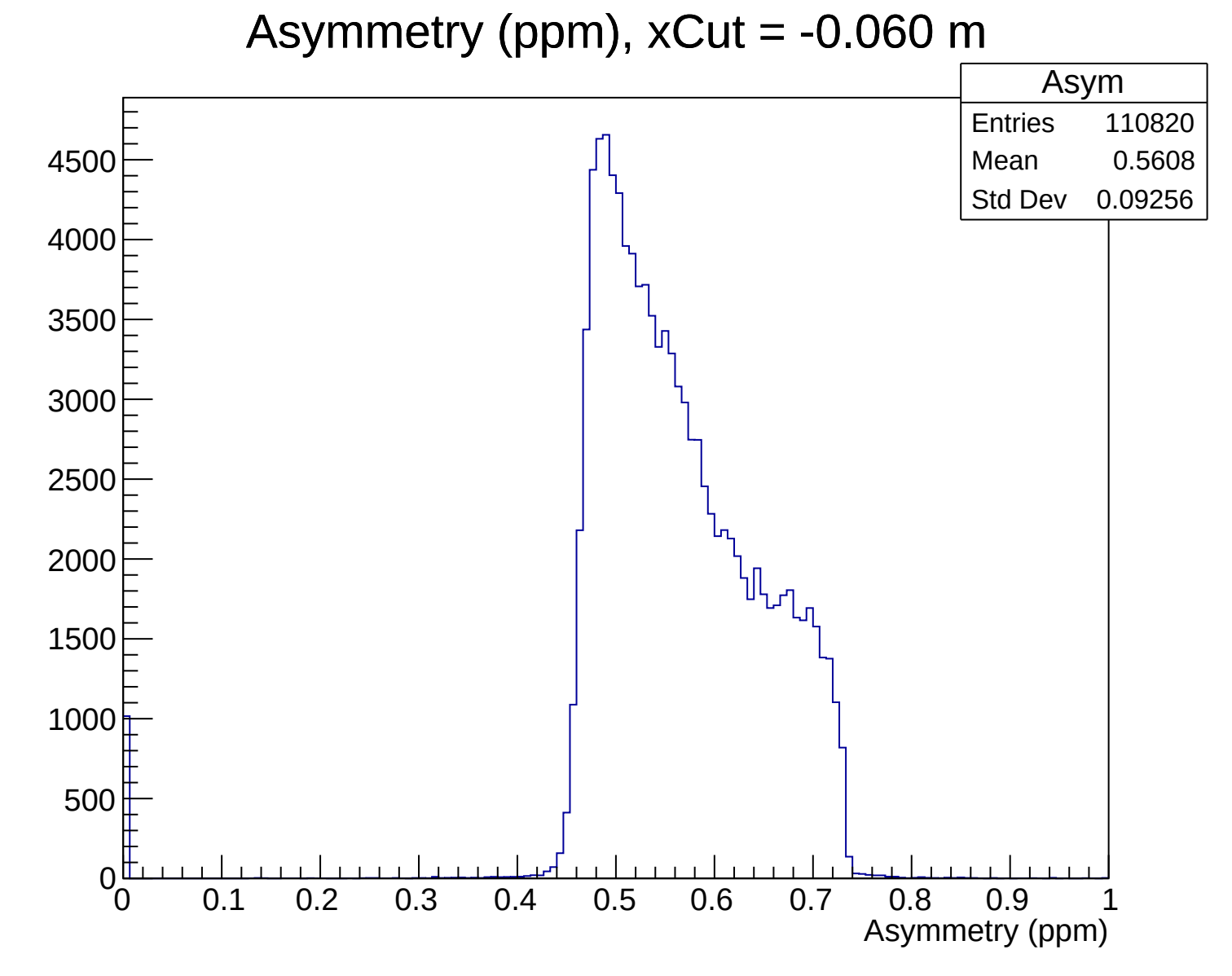

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

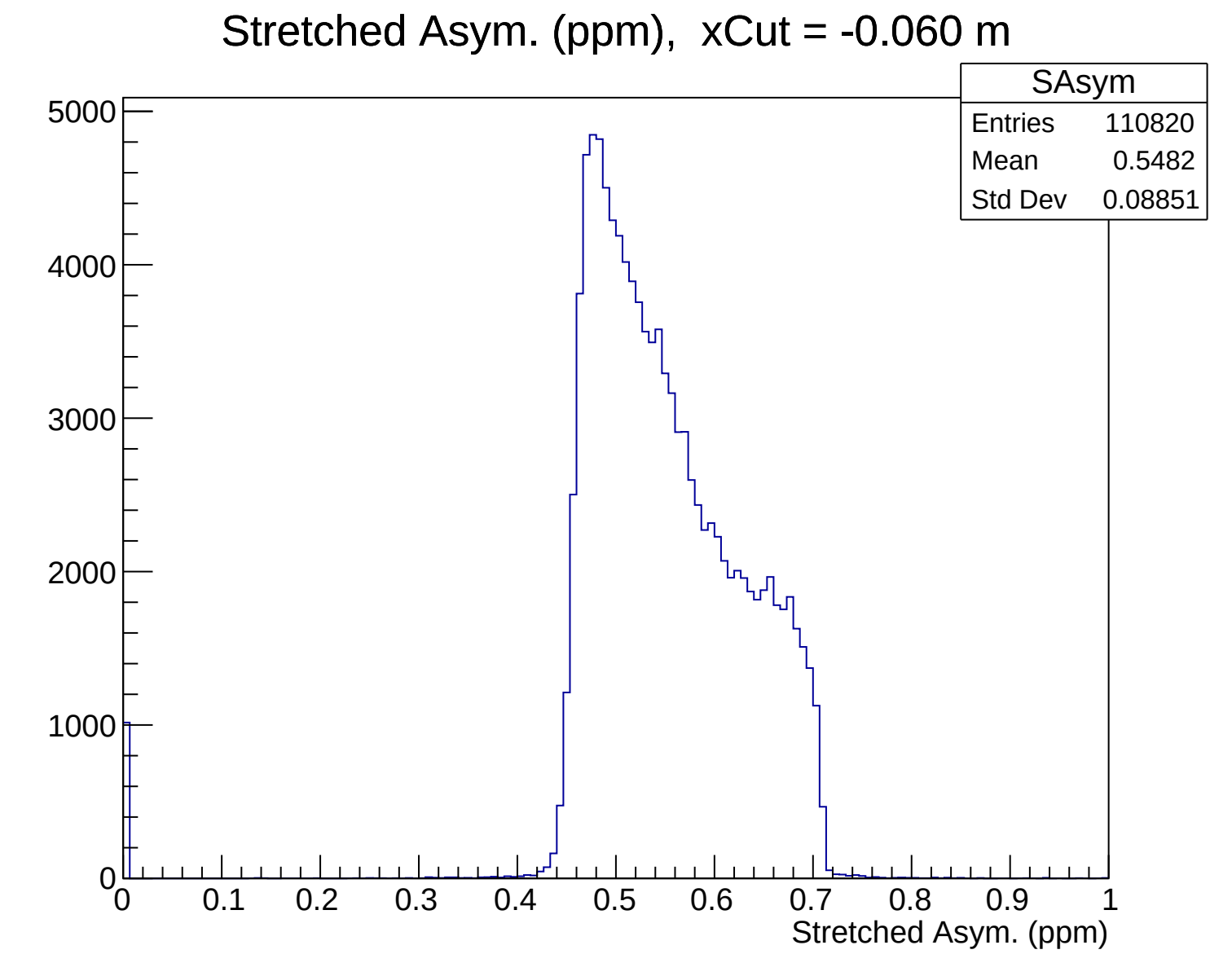

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

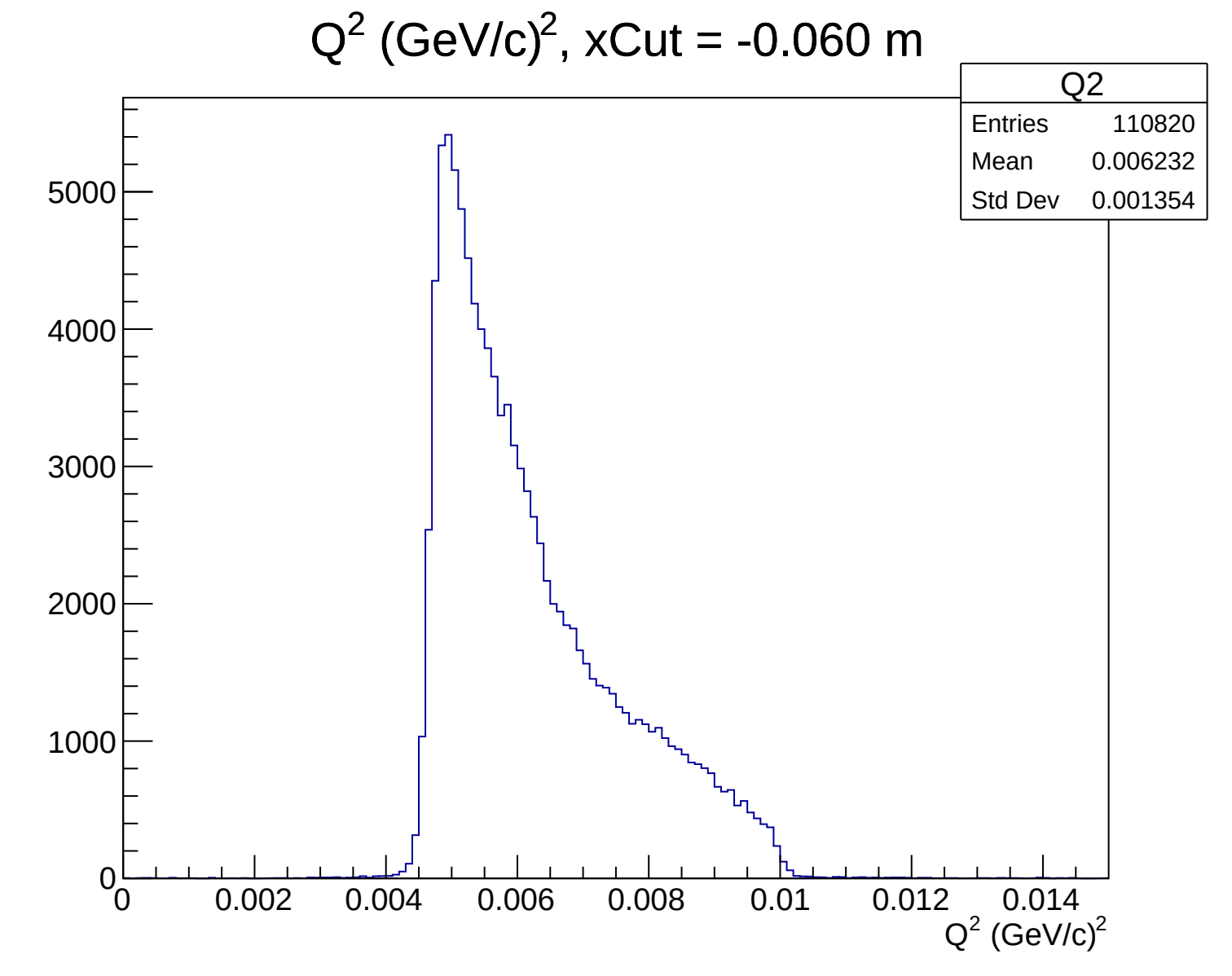

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.060
L.tr.x[0]+1.3*L.tr.th[0] (m)

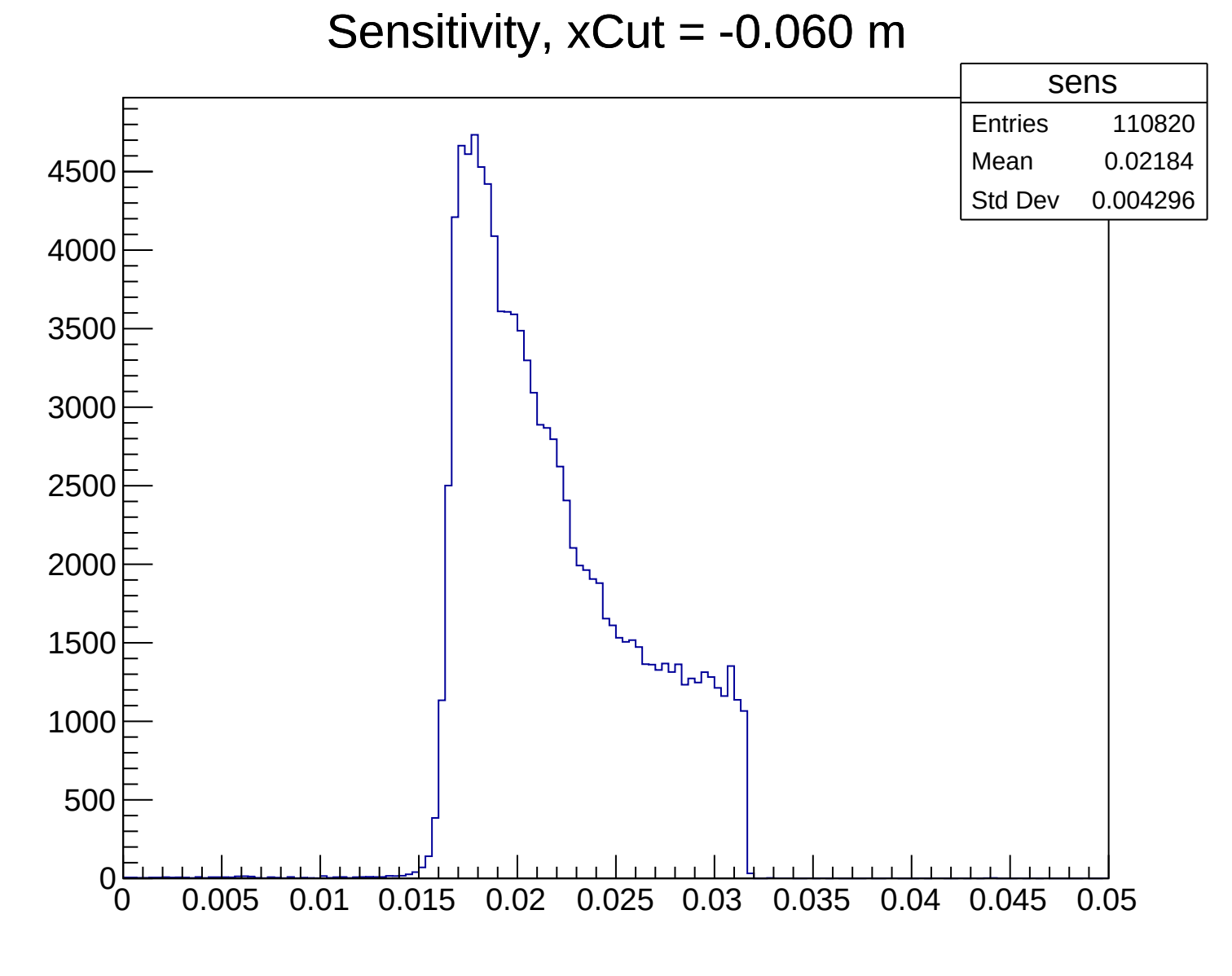

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

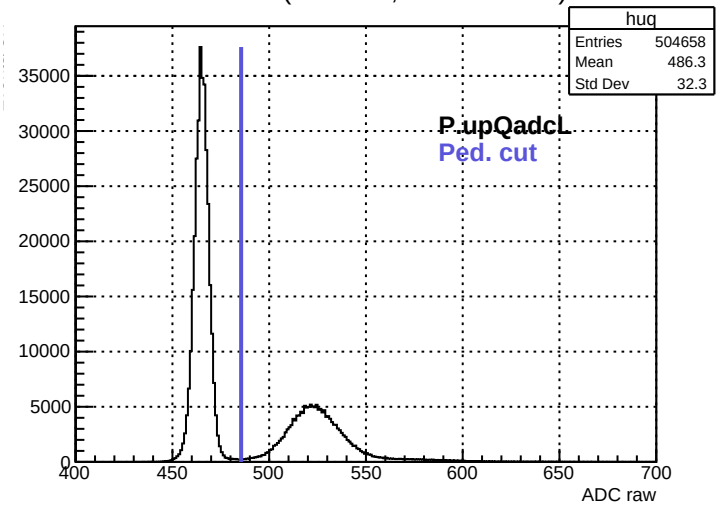

θlab (deg), xCut = -0.060 m
Theta
Entries 110820
Mean 4.747
Std Dev 0.5013
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

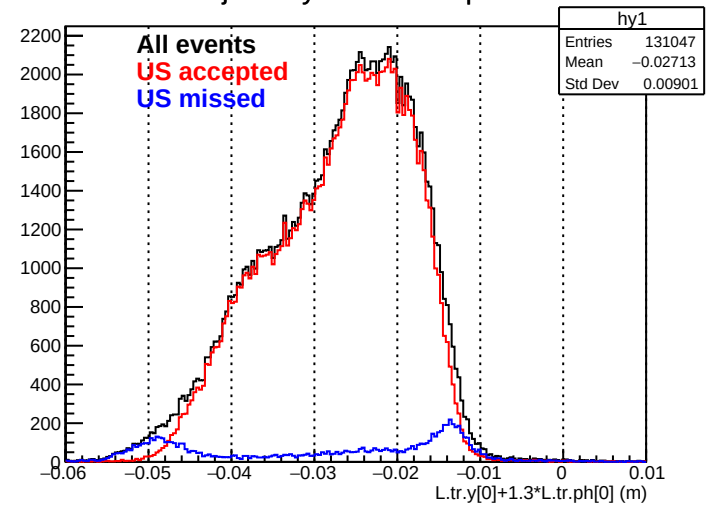

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 110820
Mean 0.5608
Std Dev 0.09256
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

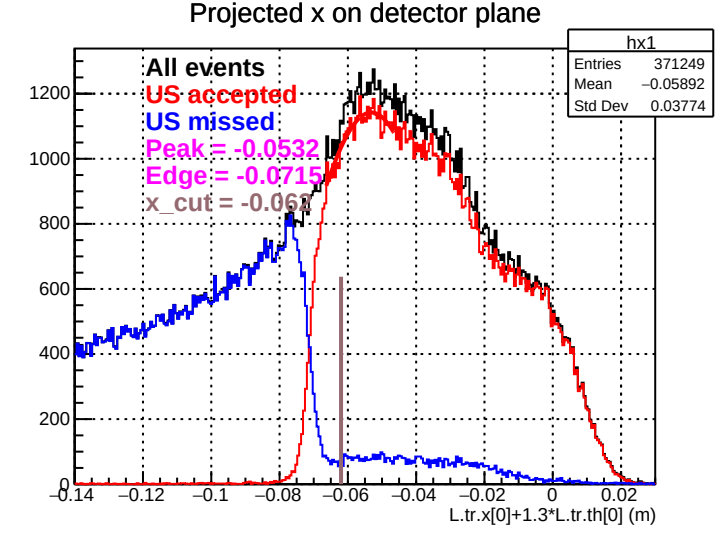

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 110820
Mean 0.5482
Std Dev 0.08851
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

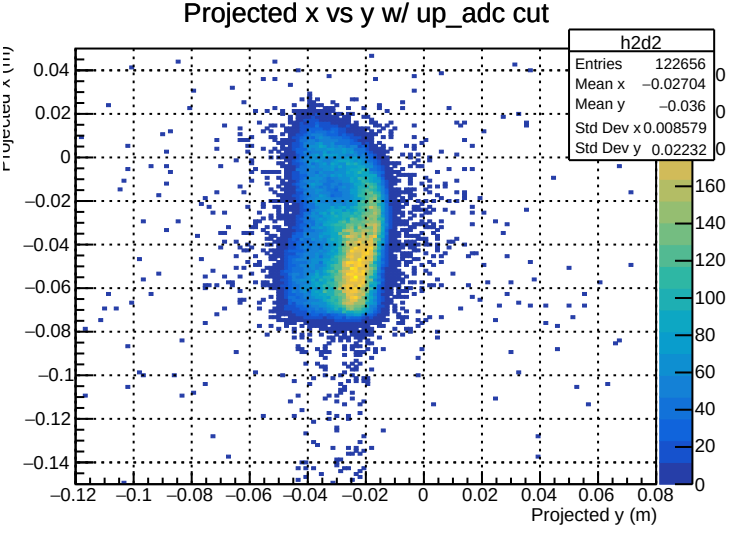

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 110820
Mean 0.006232
Std Dev 0.001354
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

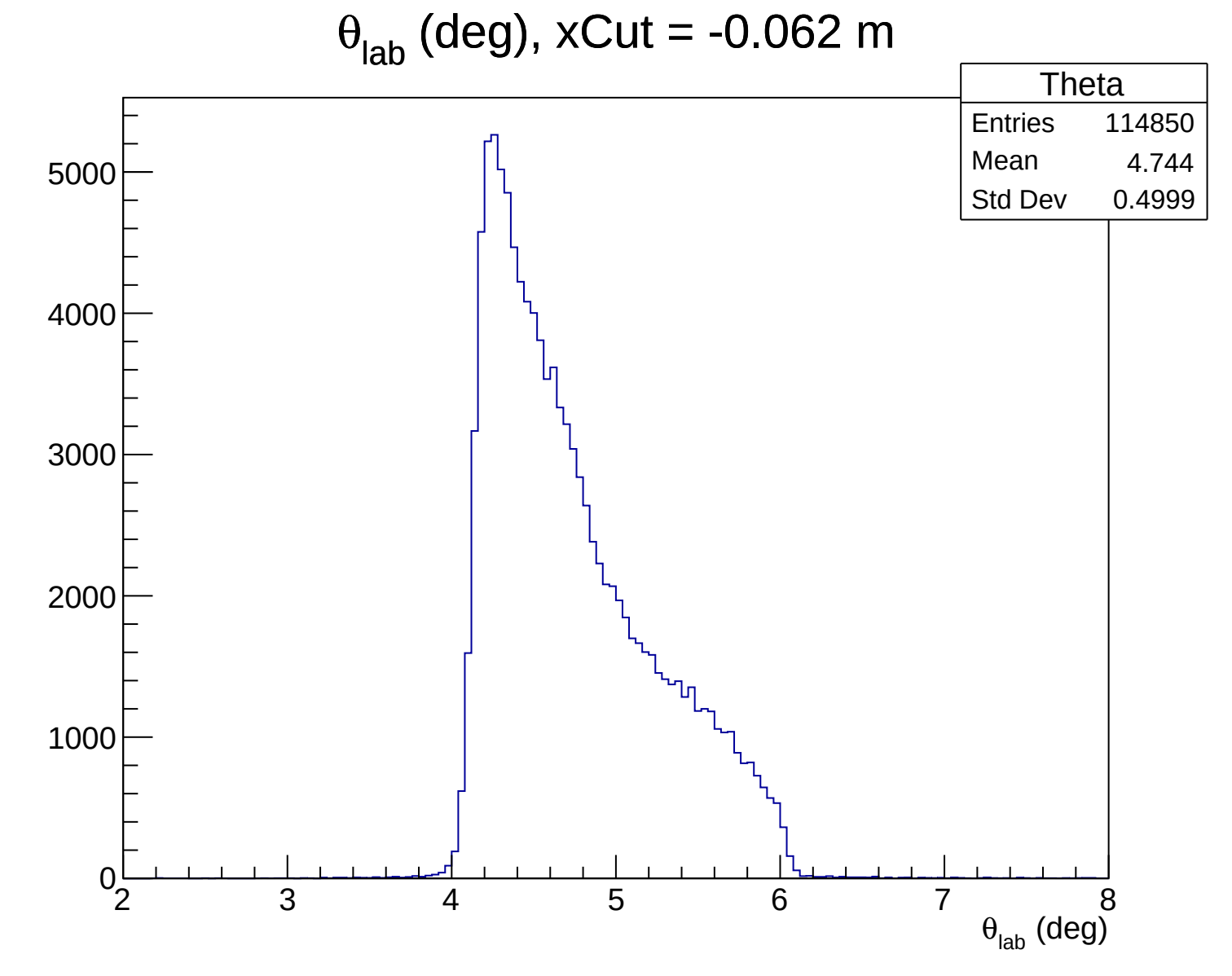

Sensitivity, xCut = -0.060 m
sens
Entries 110820
Mean 0.02184
Std Dev 0.004296
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

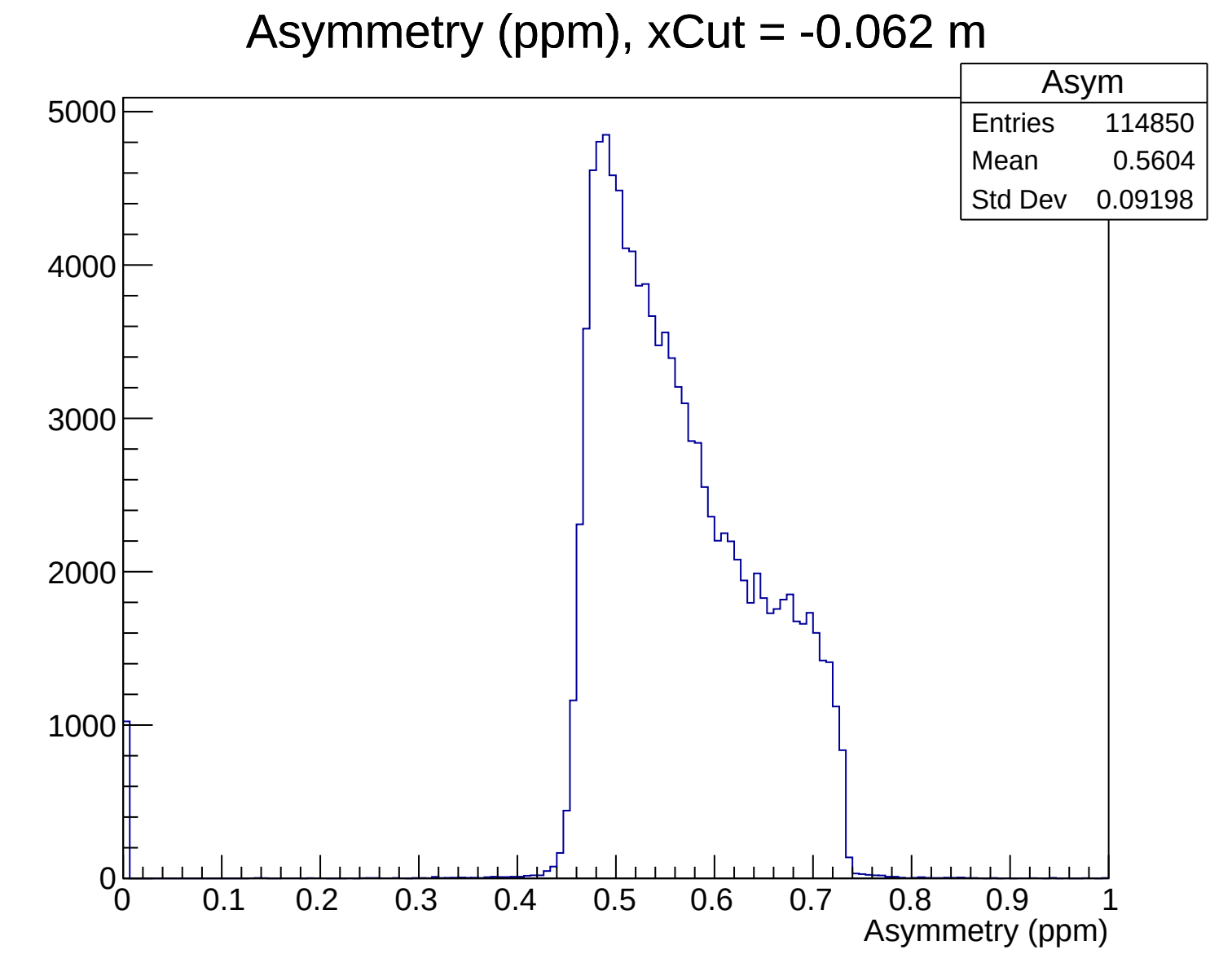

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

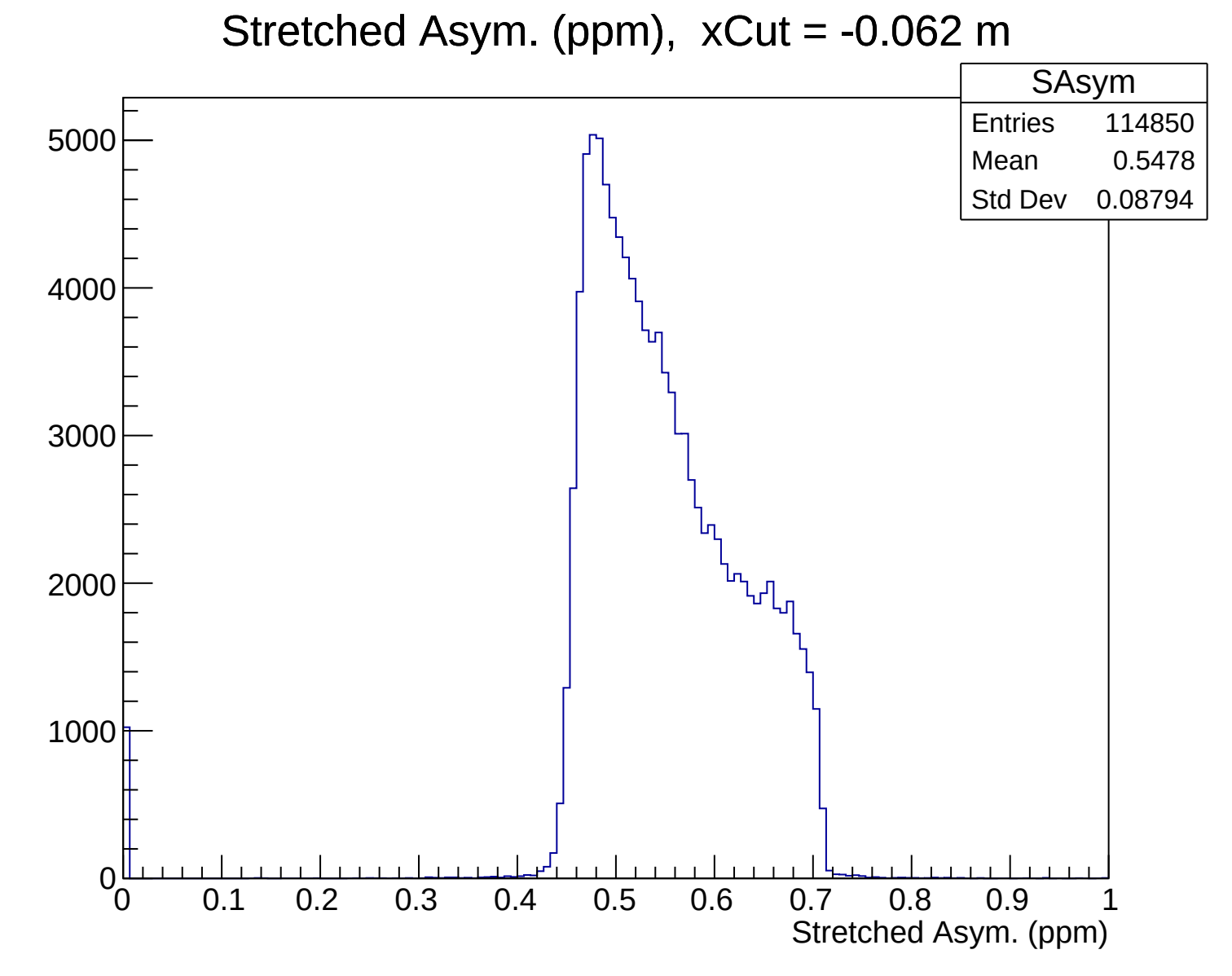

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

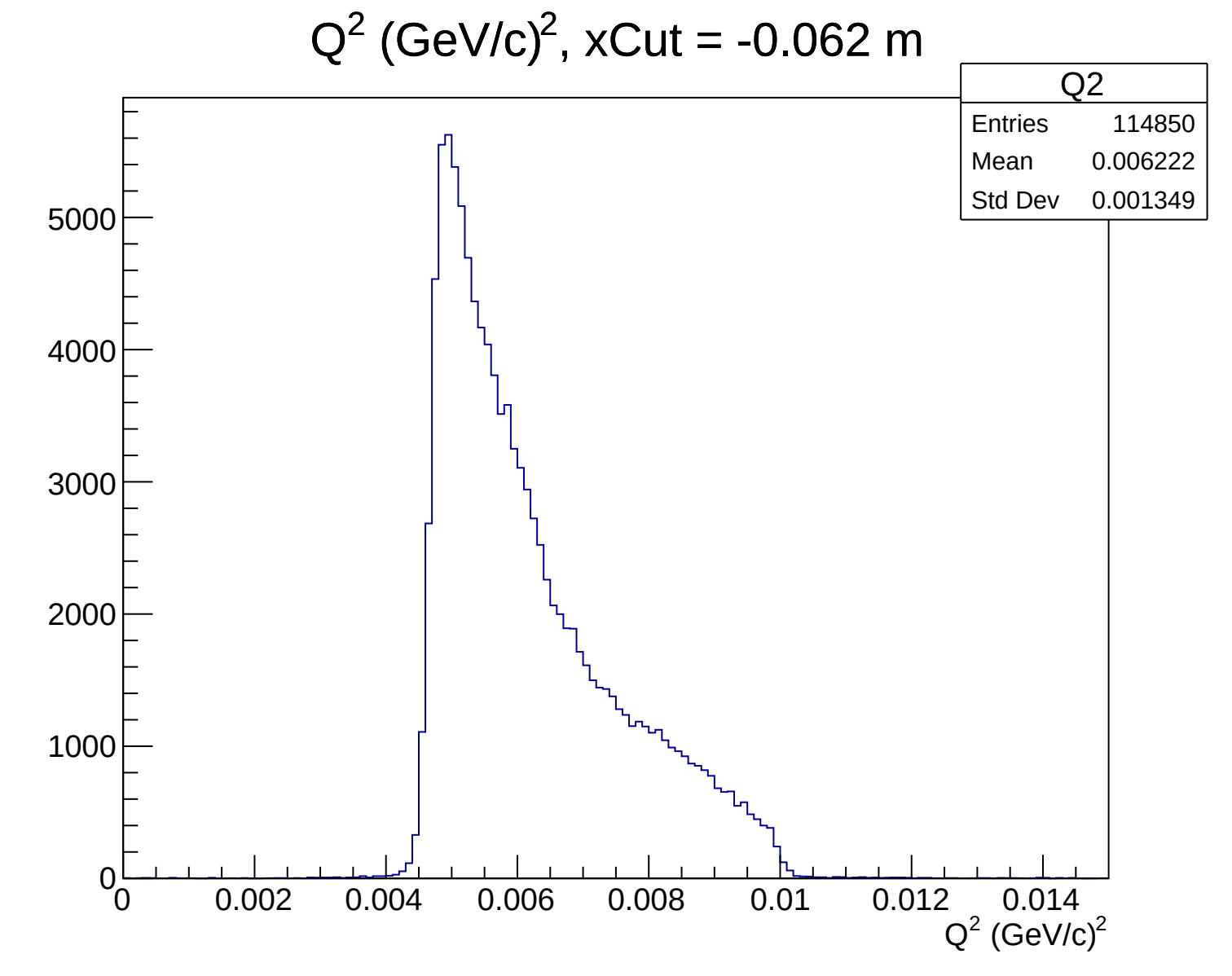

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.062
L.tr.x[0]+1.3*L.tr.th[0] (m)

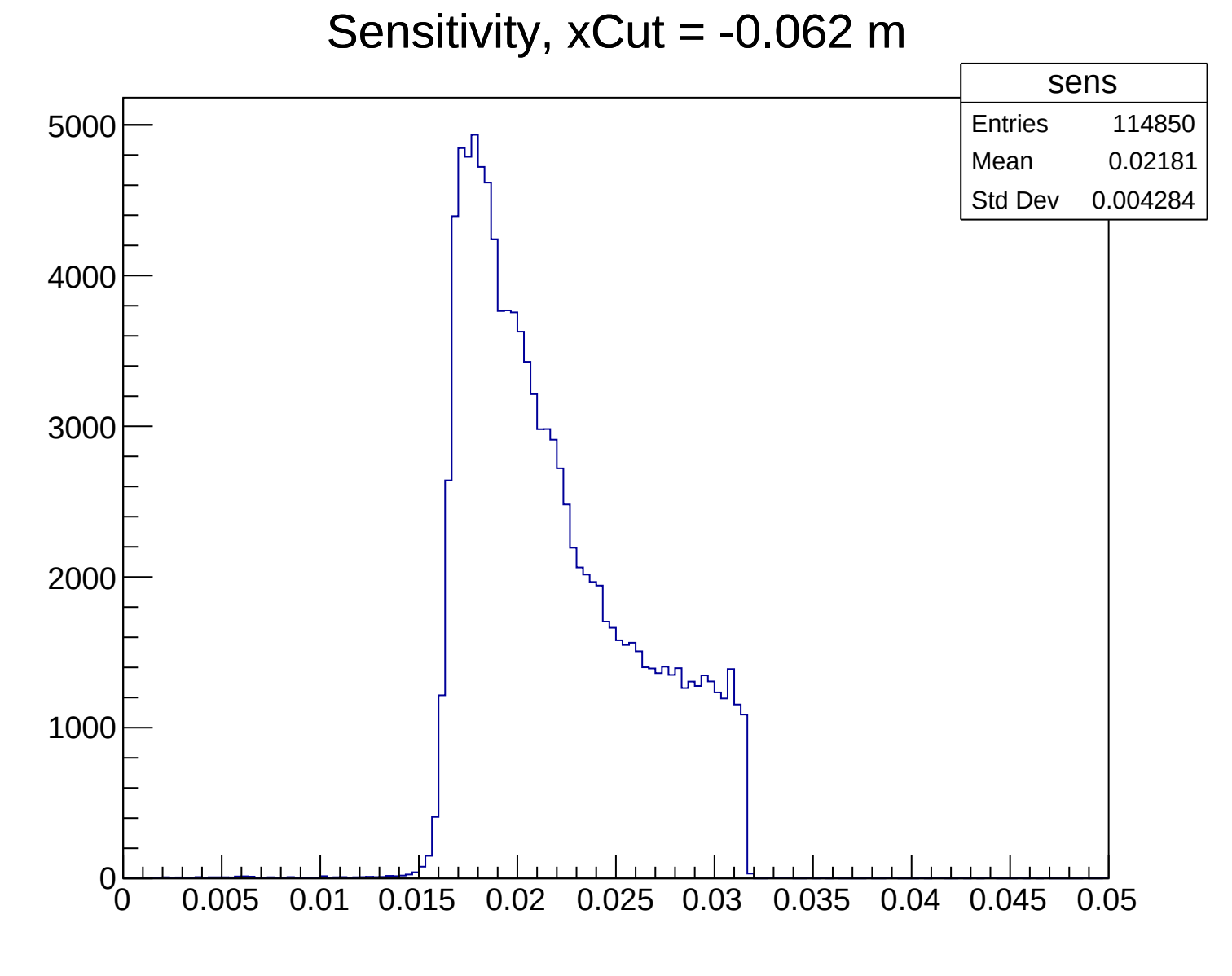

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

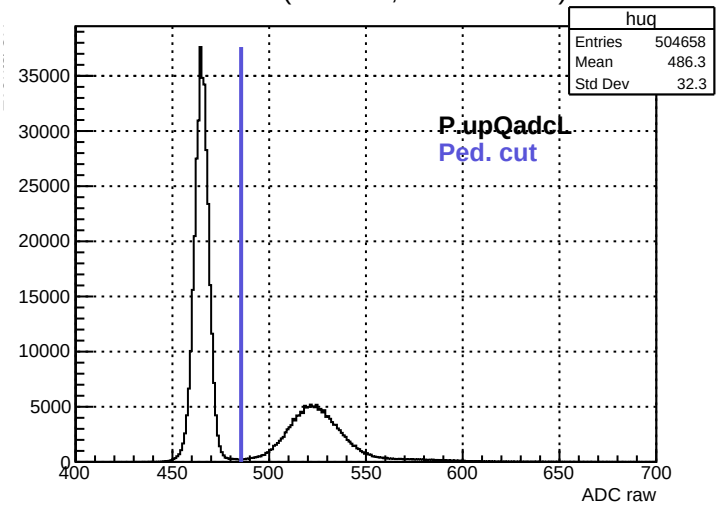

θlab (deg), xCut = -0.062 m
Theta
Entries 114850
Mean 4.744
Std Dev 0.4999
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

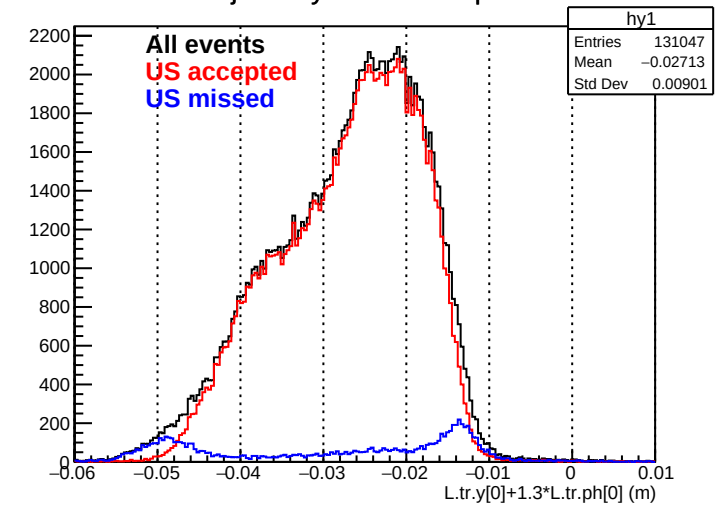

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 114850
Mean 0.5604
Std Dev 0.09198
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

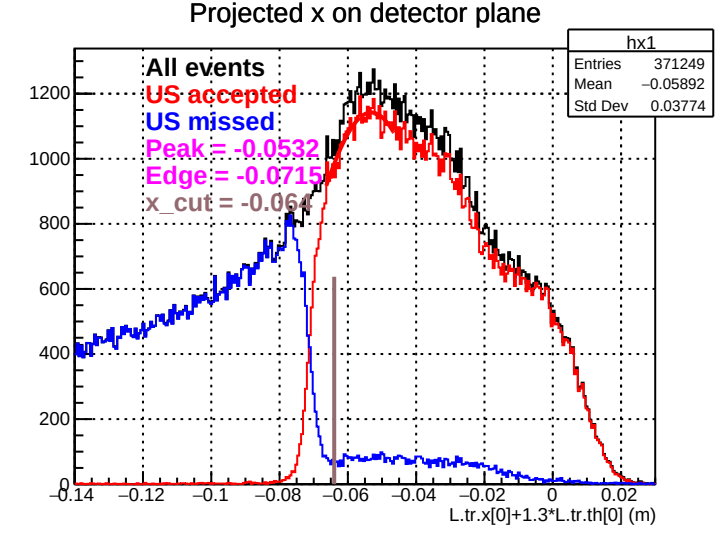

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 114850
Mean 0.5478
Std Dev 0.08794
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

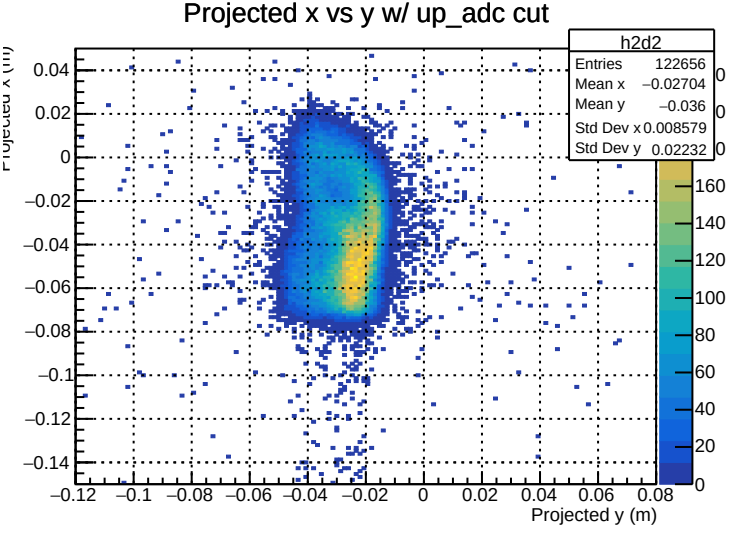

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 114850
Mean 0.006222
Std Dev 0.001349
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

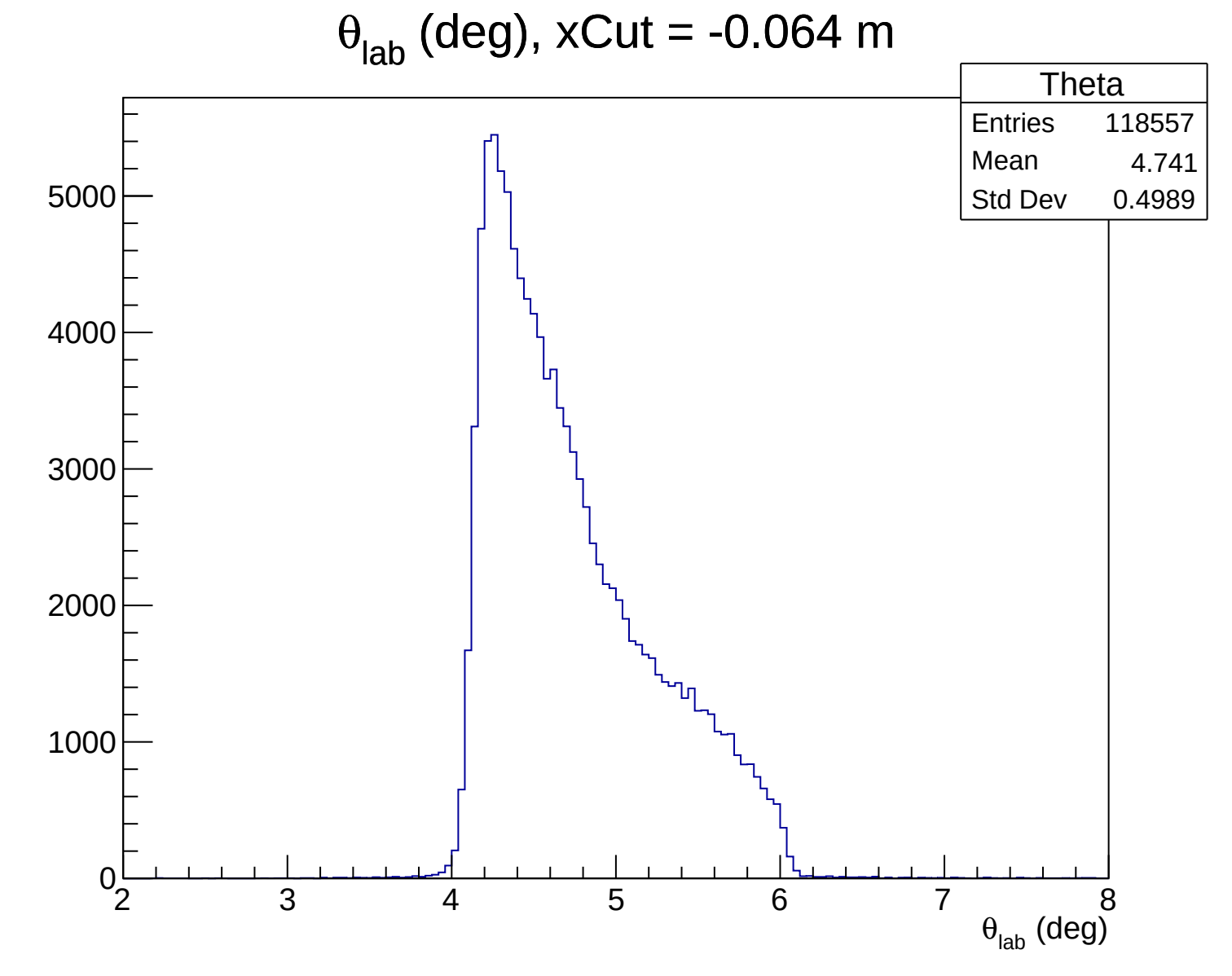

Sensitivity, xCut = -0.062 m
sens
Entries 114850
Mean 0.02181
Std Dev 0.004284
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

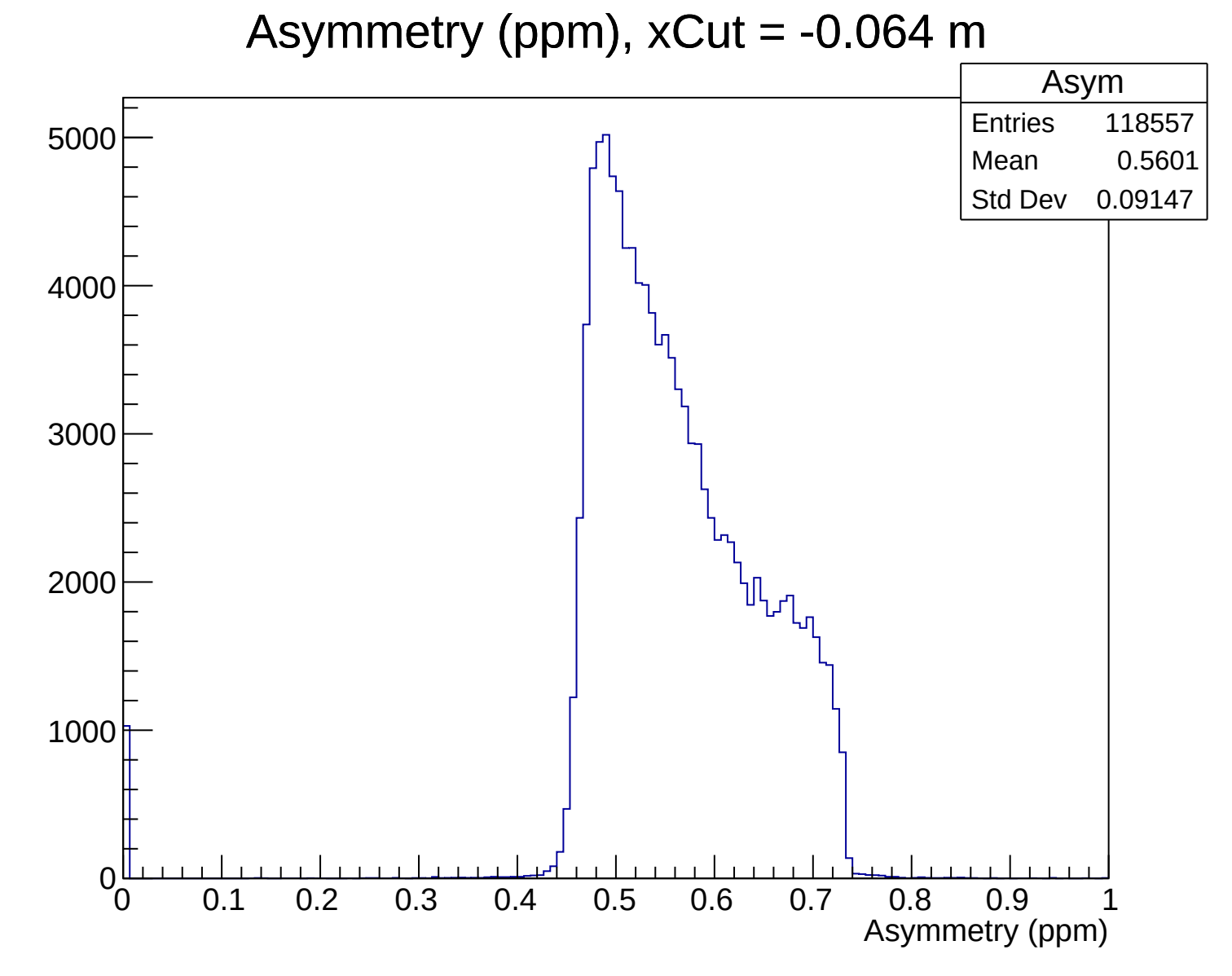

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

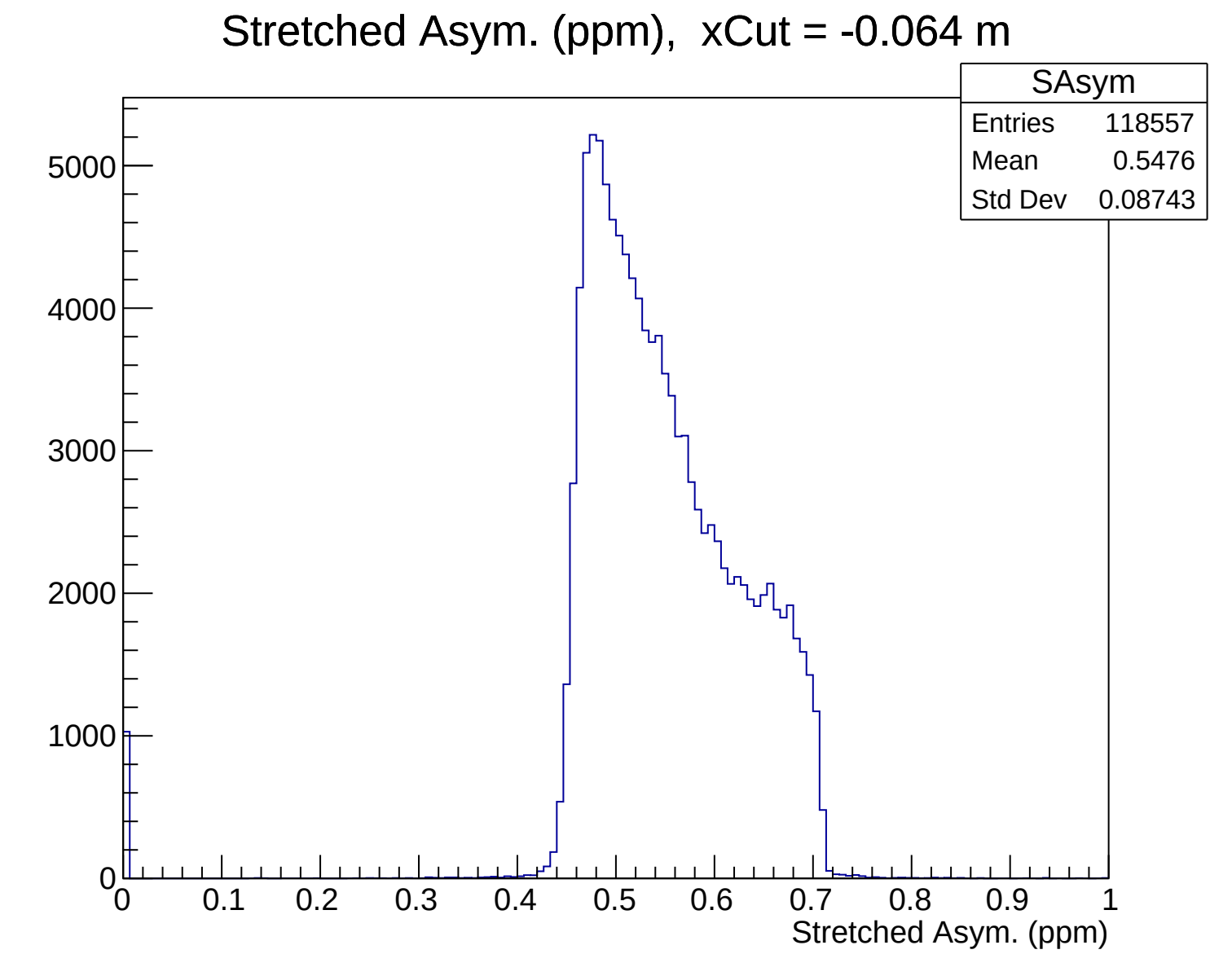

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

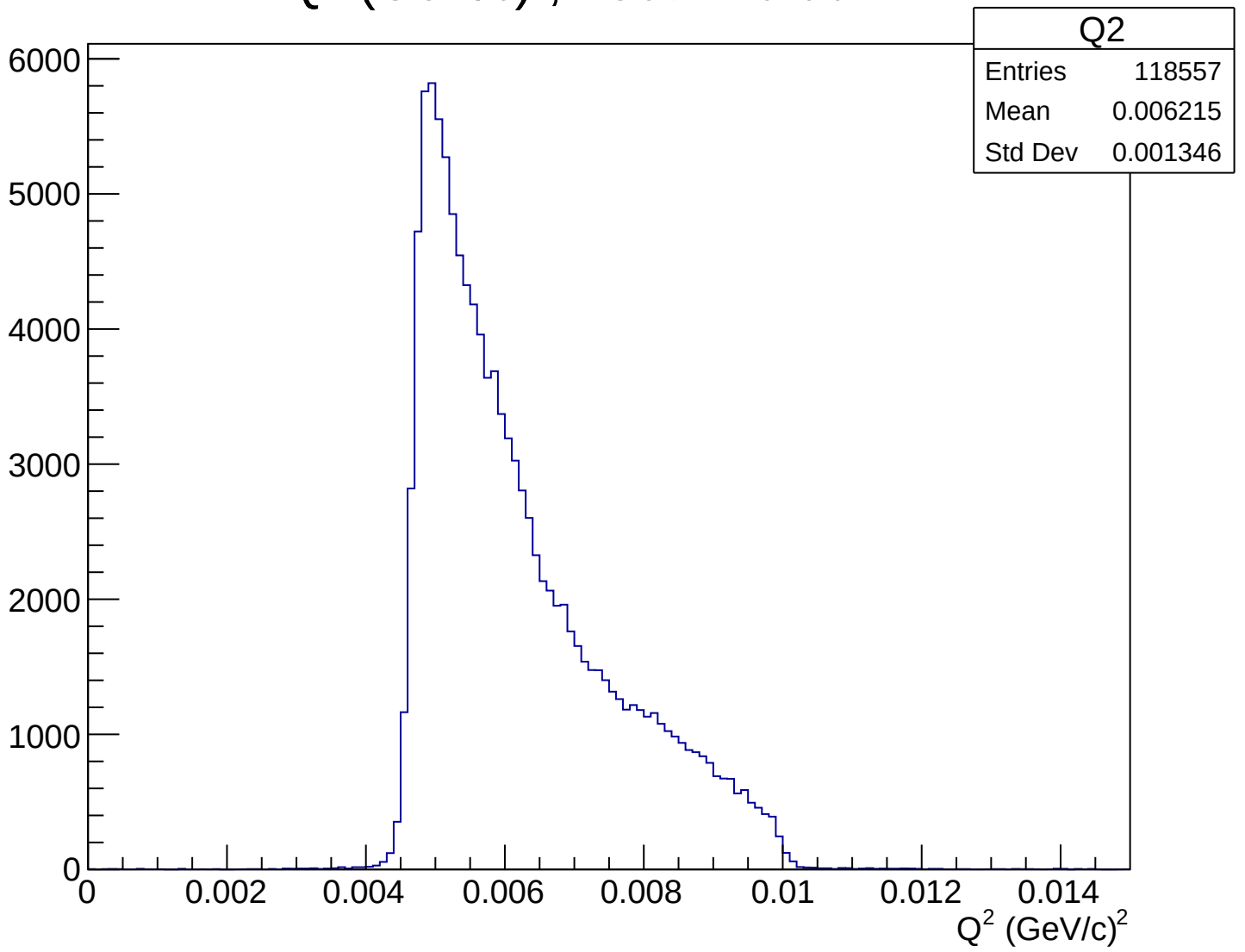

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.064
L.tr.x[0]+1.3*L.tr.th[0] (m)

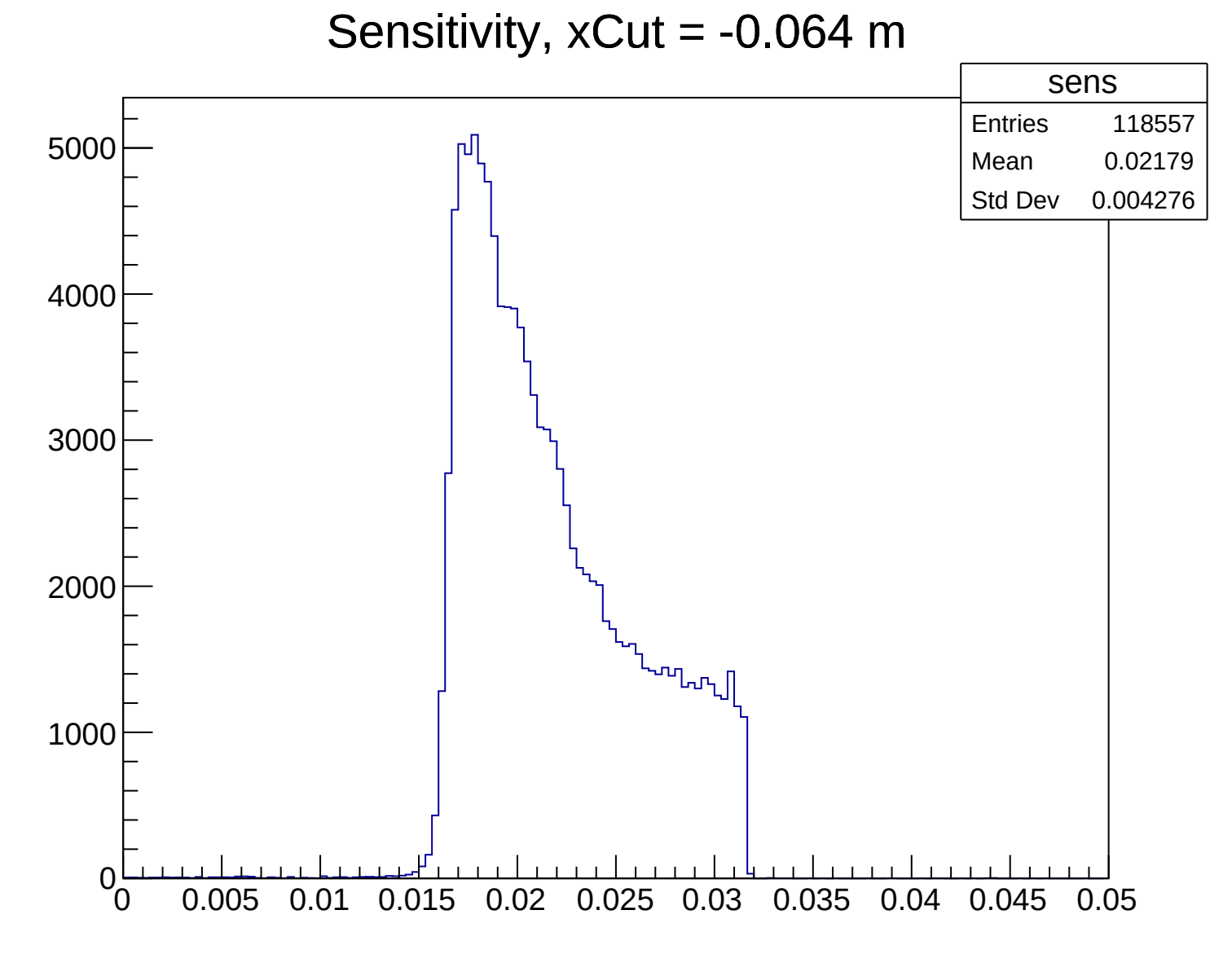

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

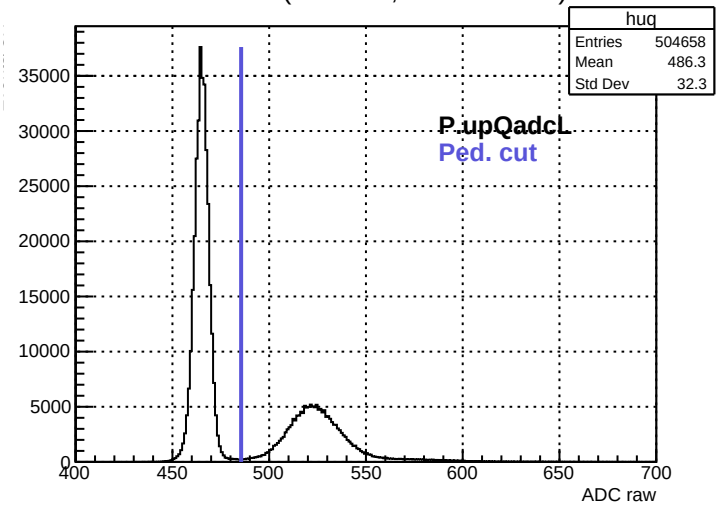

θlab (deg), xCut = -0.064 m
Theta
Entries 118557
Mean 4.741
Std Dev 0.4989
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

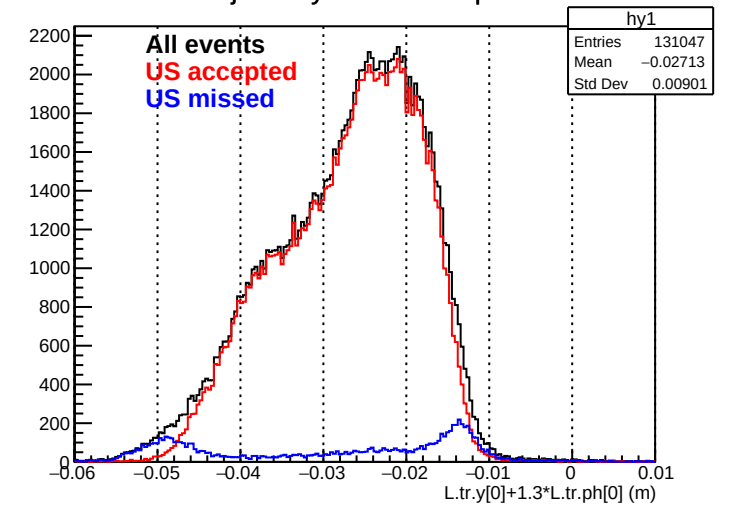

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 118557
Mean 0.5601
Std Dev 0.09147
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

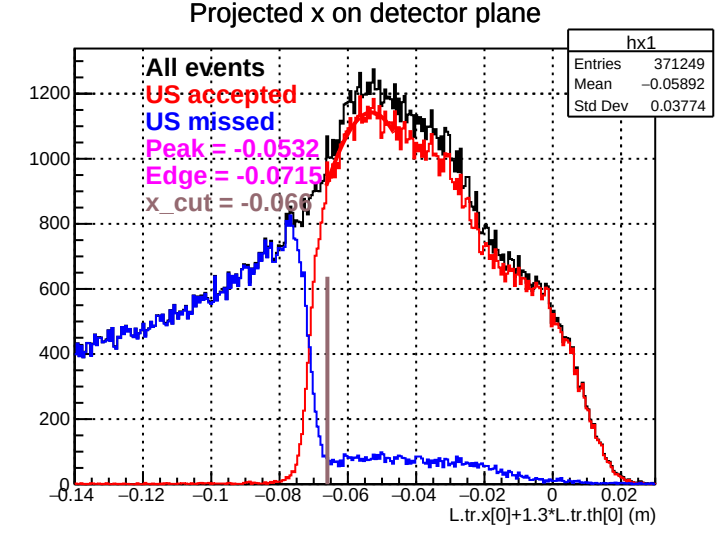

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 118557
Mean 0.5476
Std Dev 0.08743
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

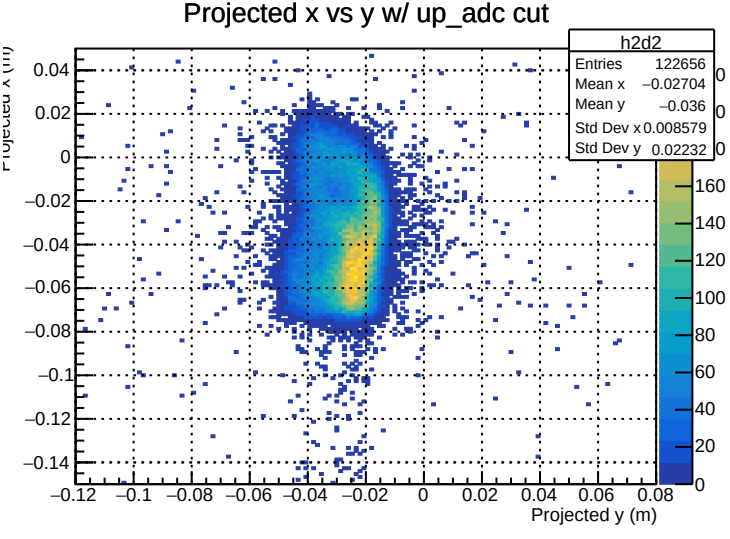

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 118557
Mean 0.006215
Std Dev 0.001346
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

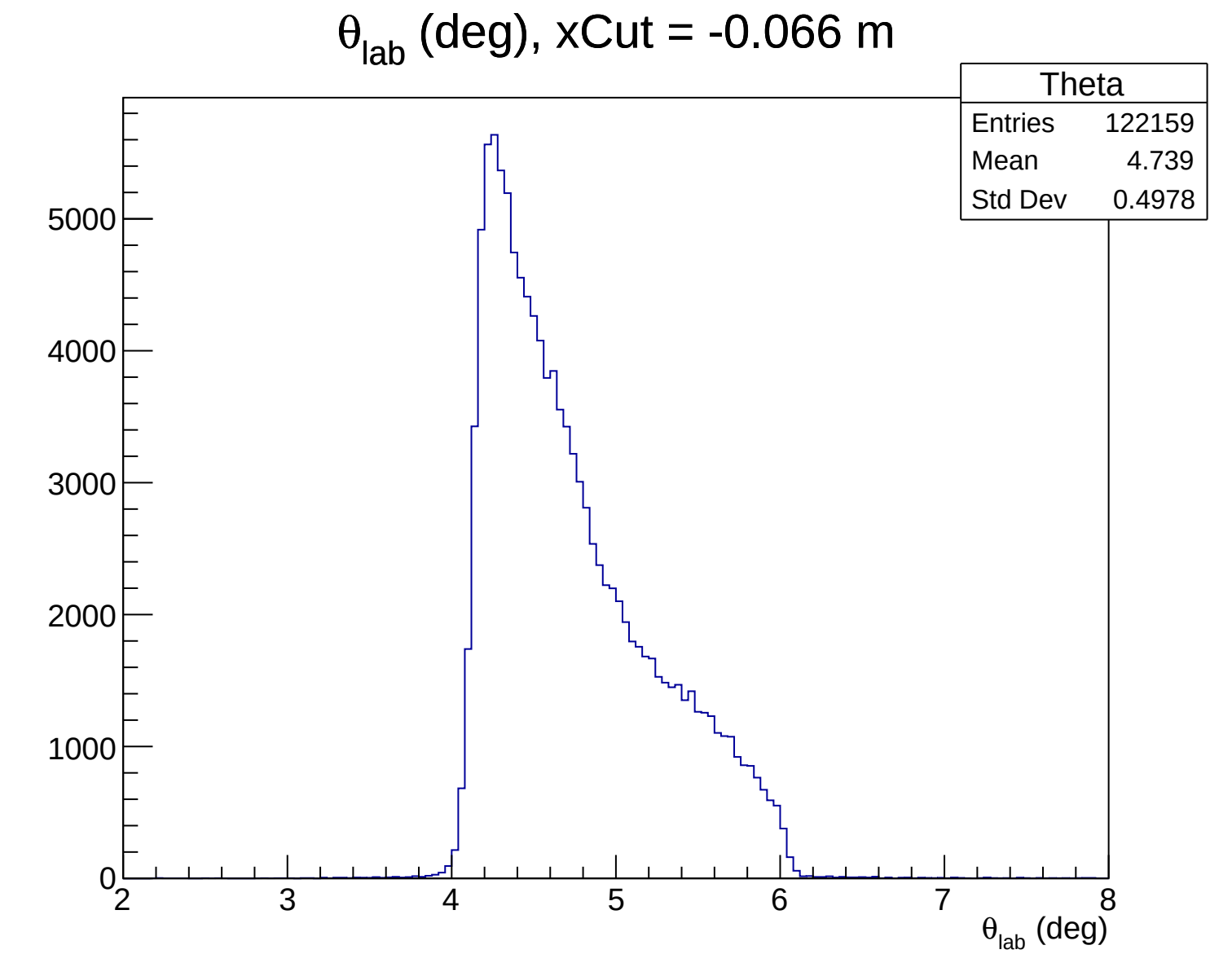

Sensitivity, xCut = -0.064 m
sens
Entries 118557
Mean 0.02179
Std Dev 0.004276
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

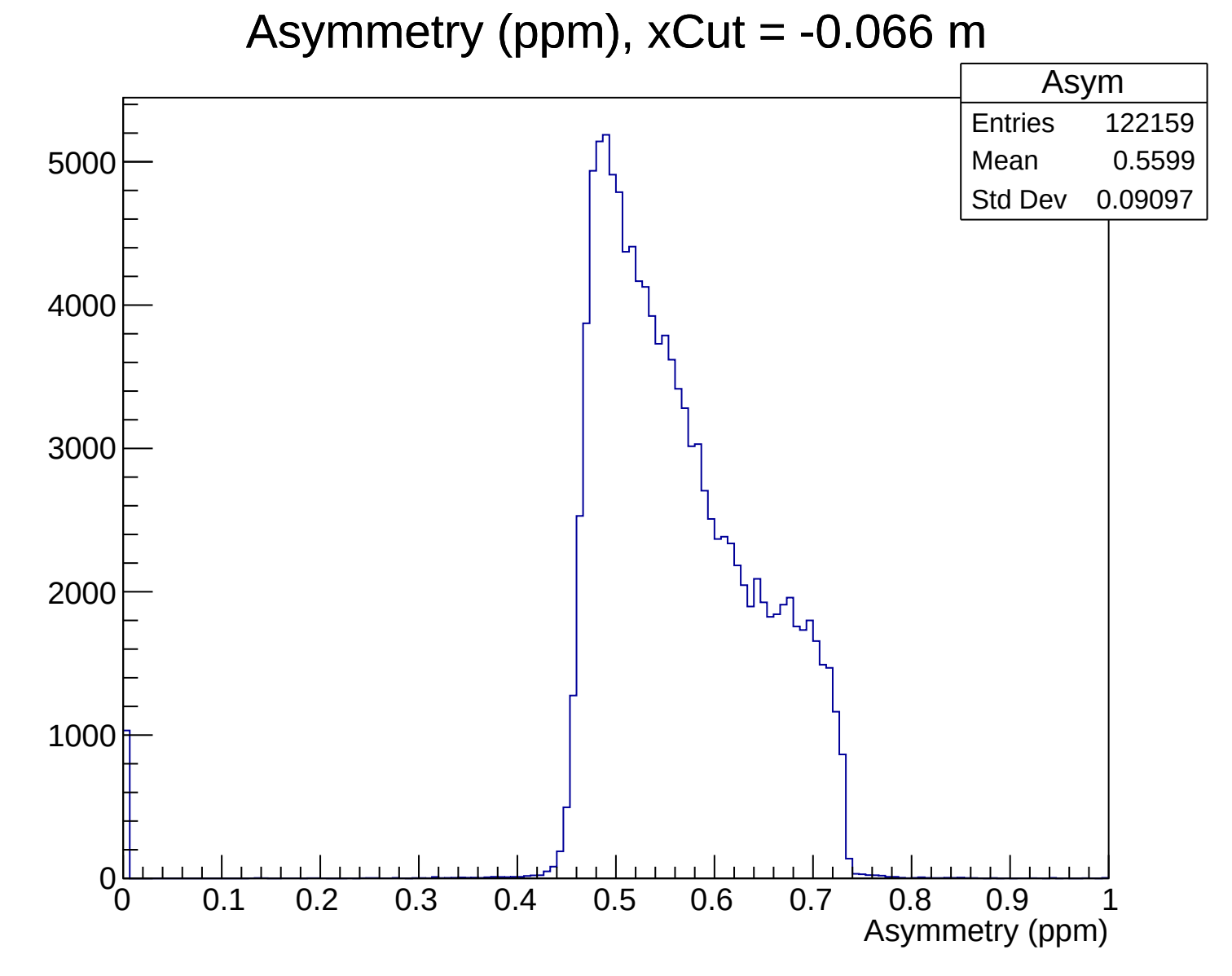

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

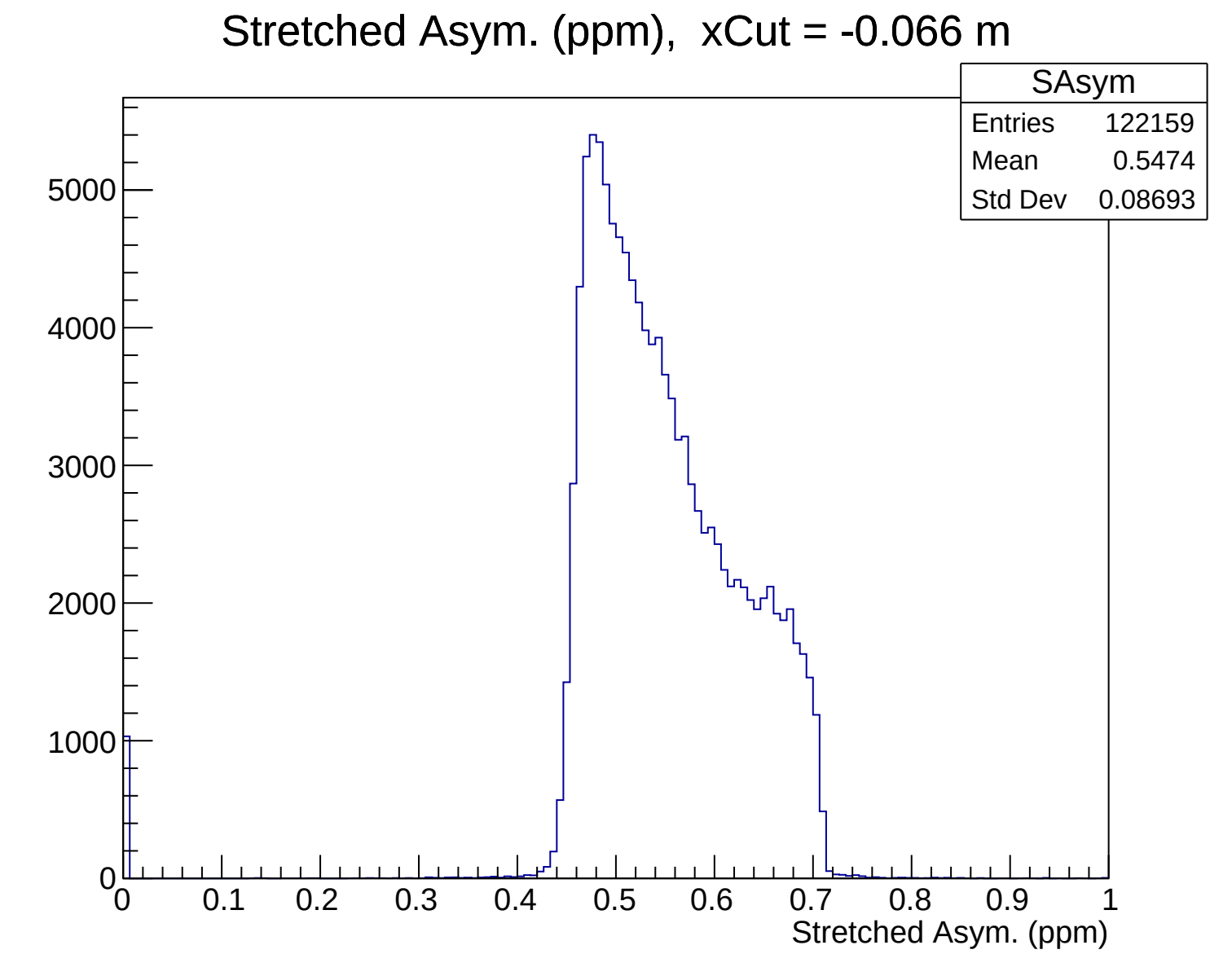

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

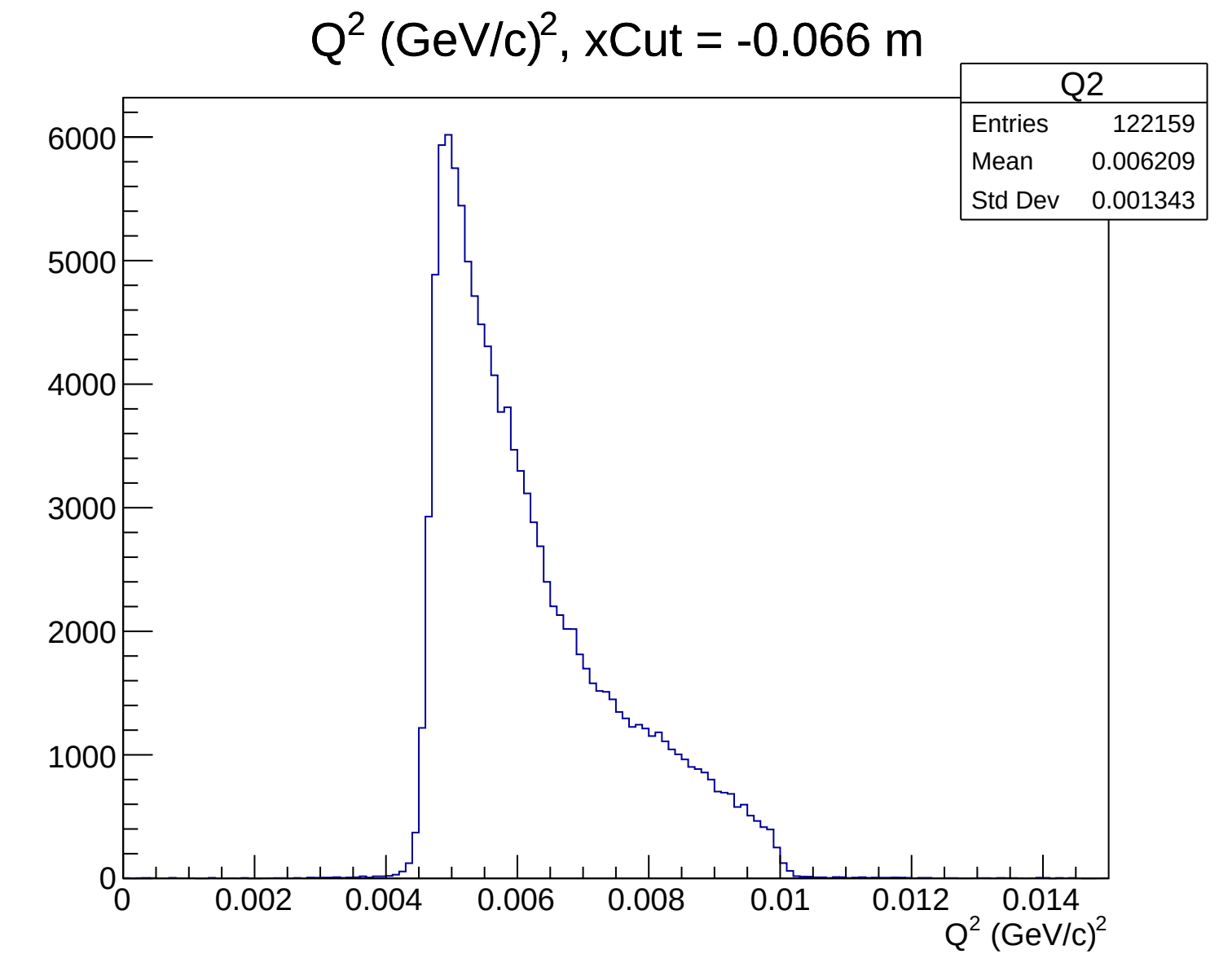

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.066
L.tr.x[0]+1.3*L.tr.th[0] (m)

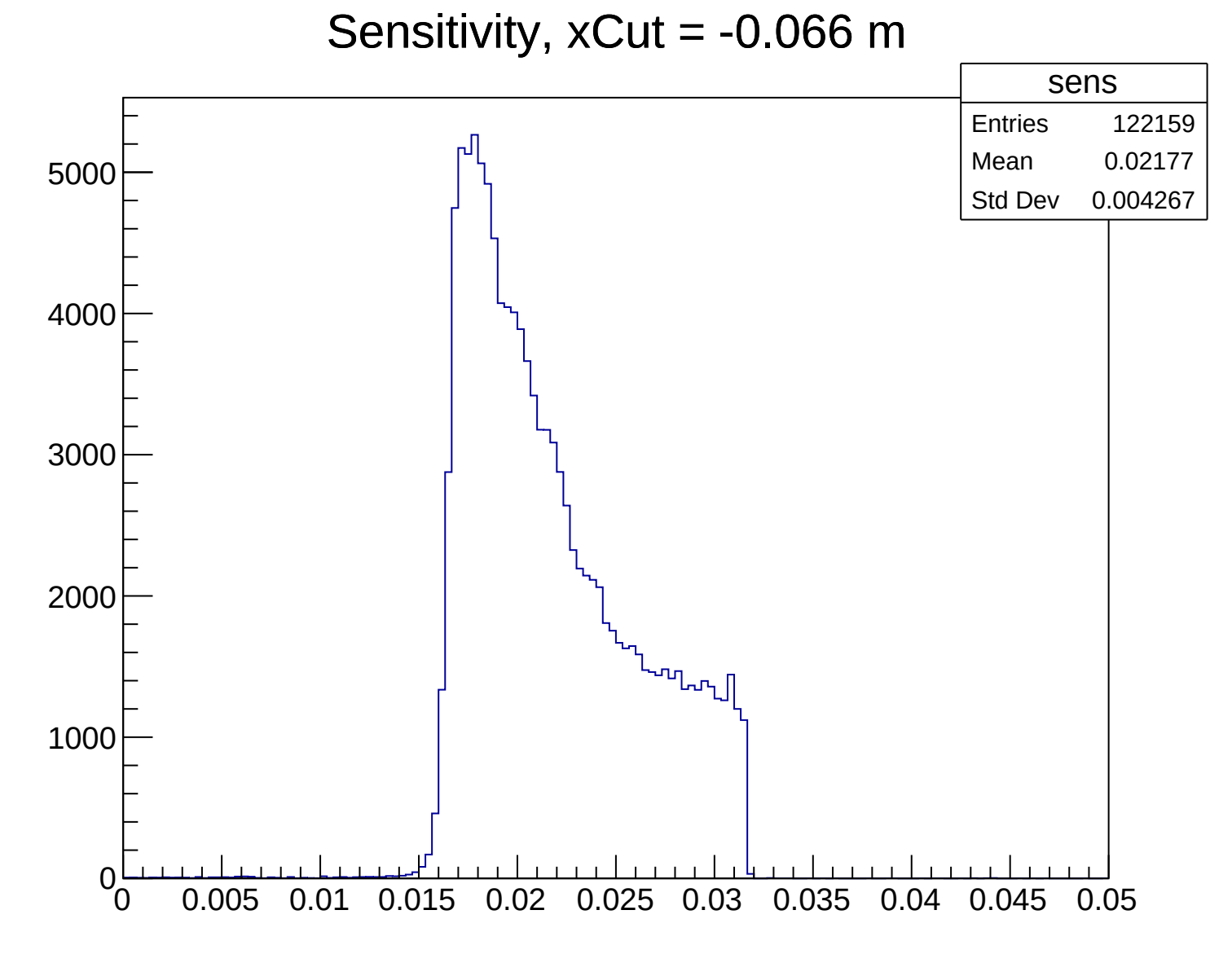

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

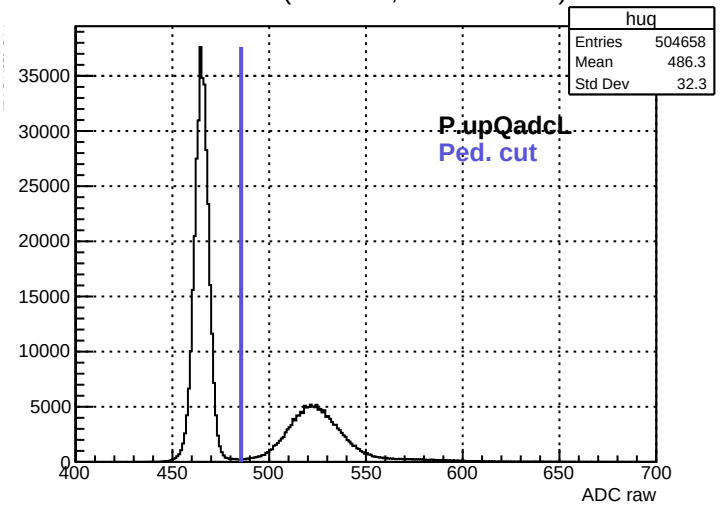

θlab (deg), xCut = -0.066 m
Theta
Entries 122159
Mean 4.739
Std Dev 0.4978
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

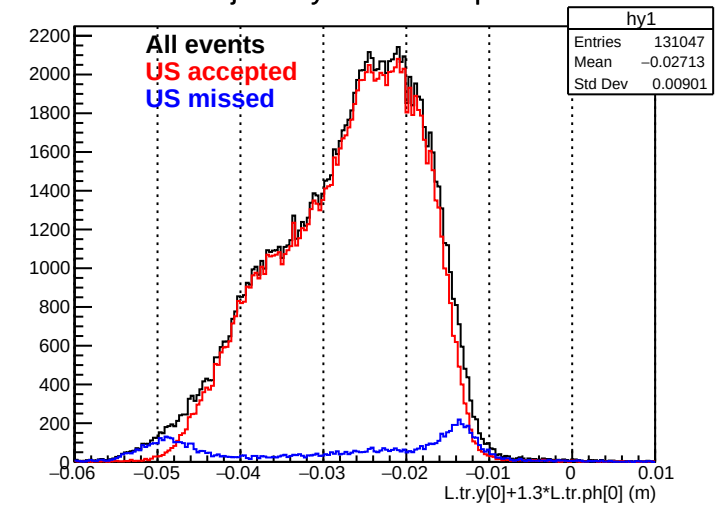

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 122159
Mean 0.5599
Std Dev 0.09097
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

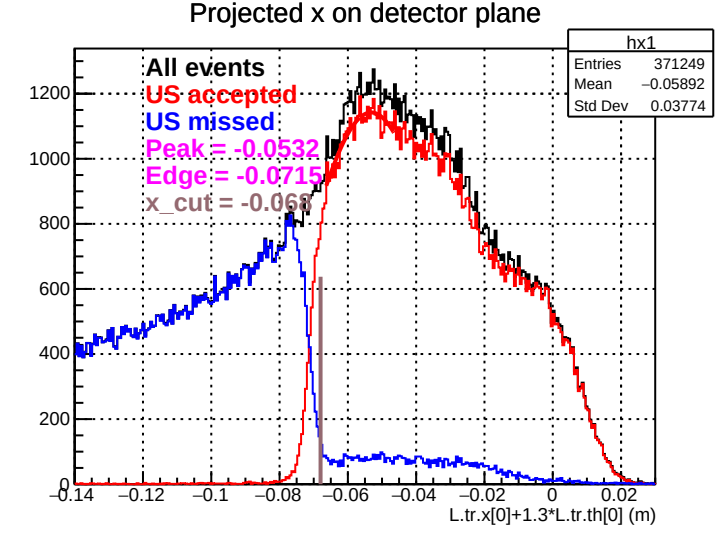

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 122159
Mean 0.5474
Std Dev 0.08693
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

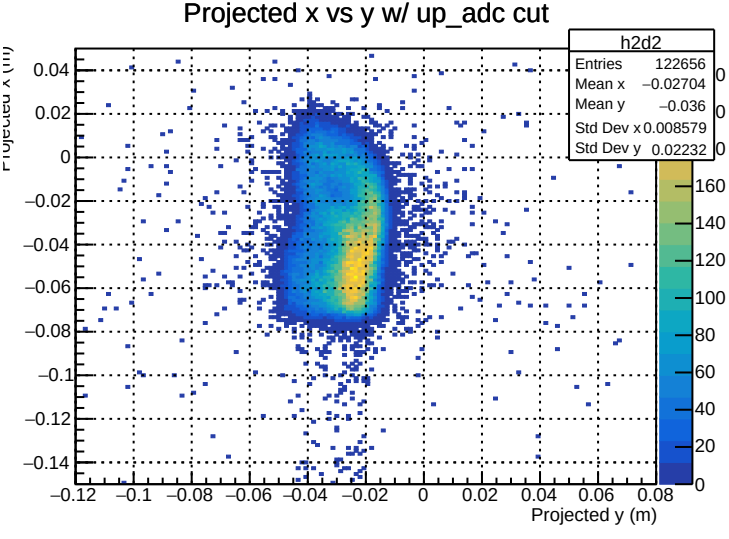

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 122159
Mean 0.006209
Std Dev 0.001343
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

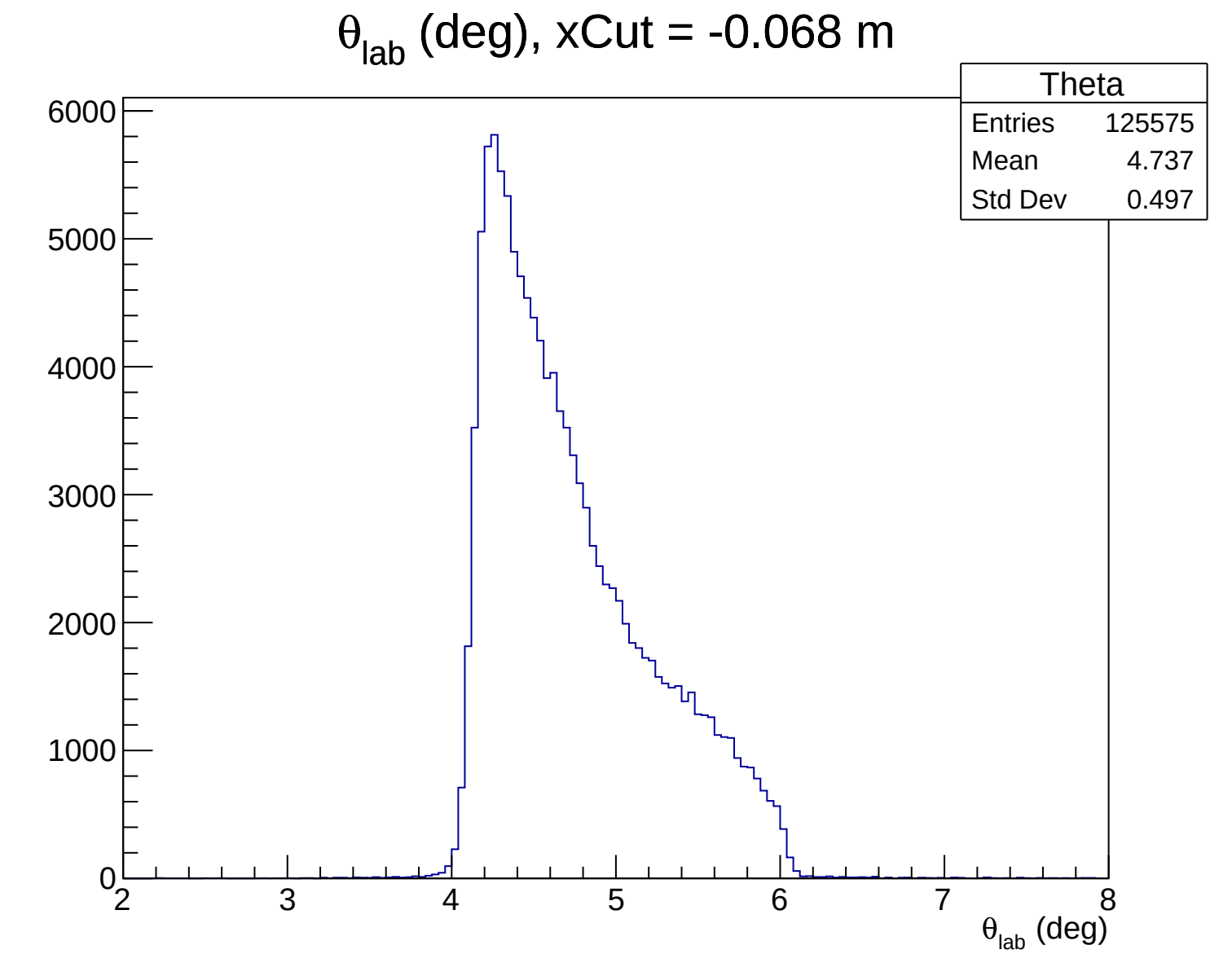

Sensitivity, xCut = -0.066 m
sens
Entries 122159
Mean 0.02177
Std Dev 0.004267
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

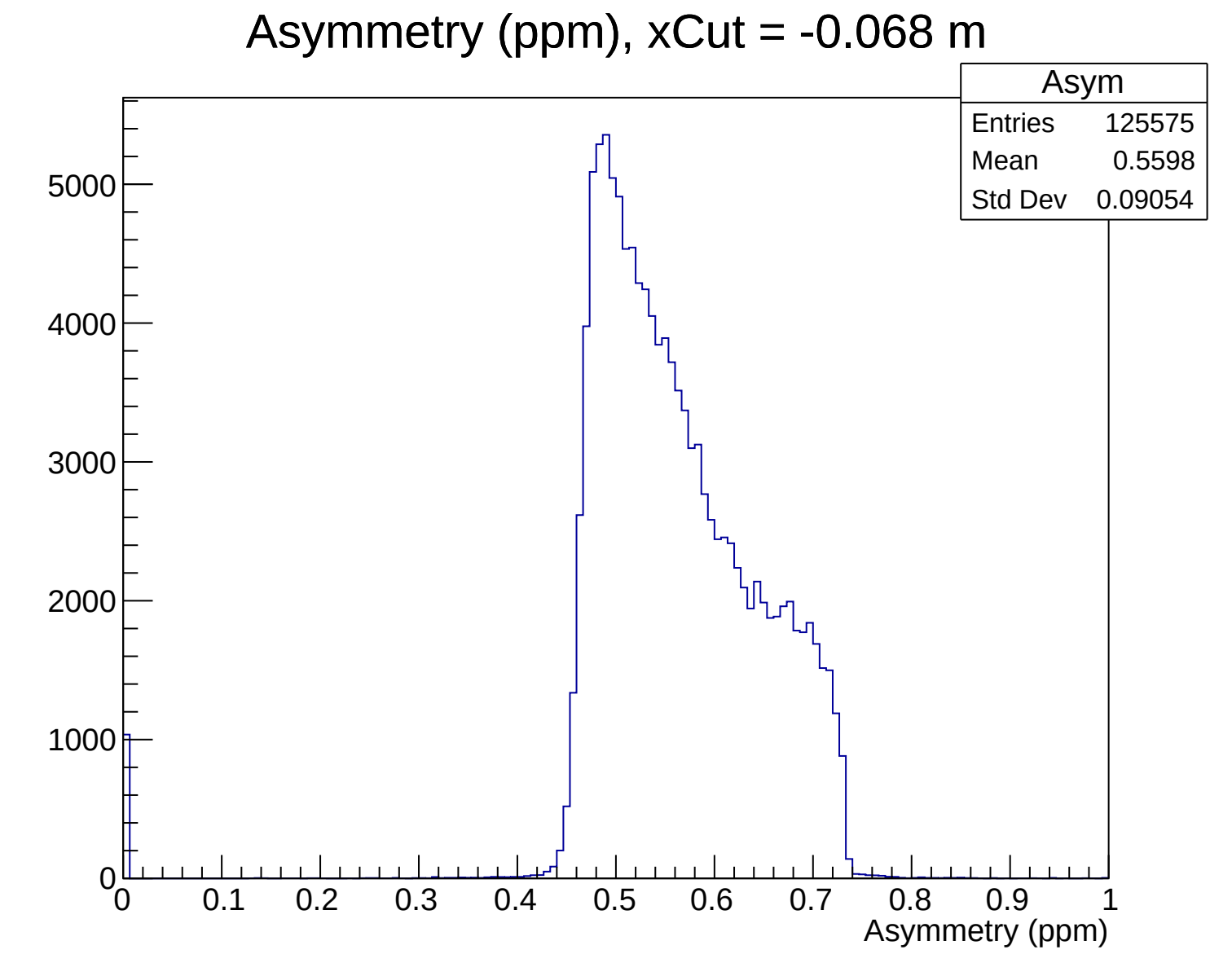

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

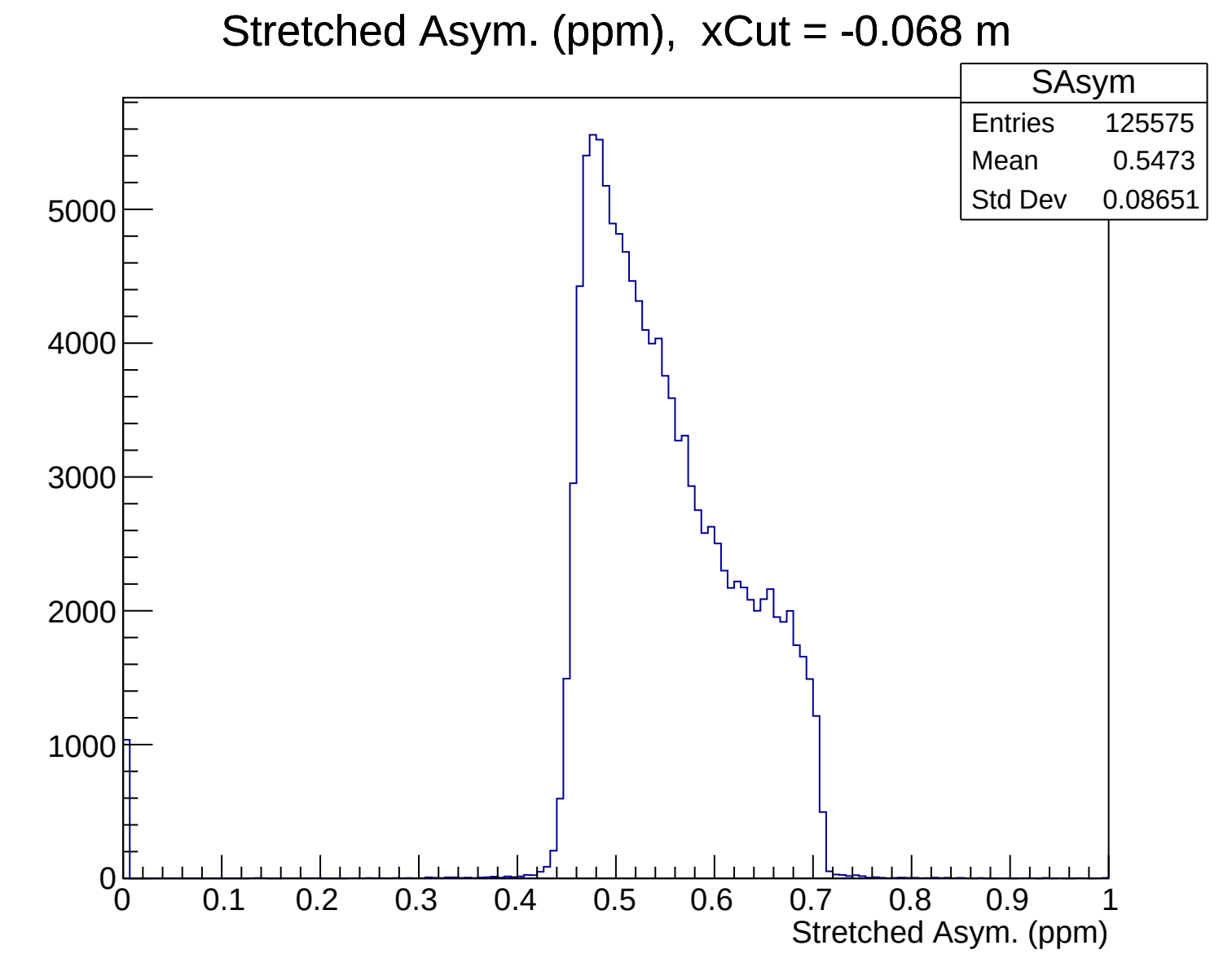

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

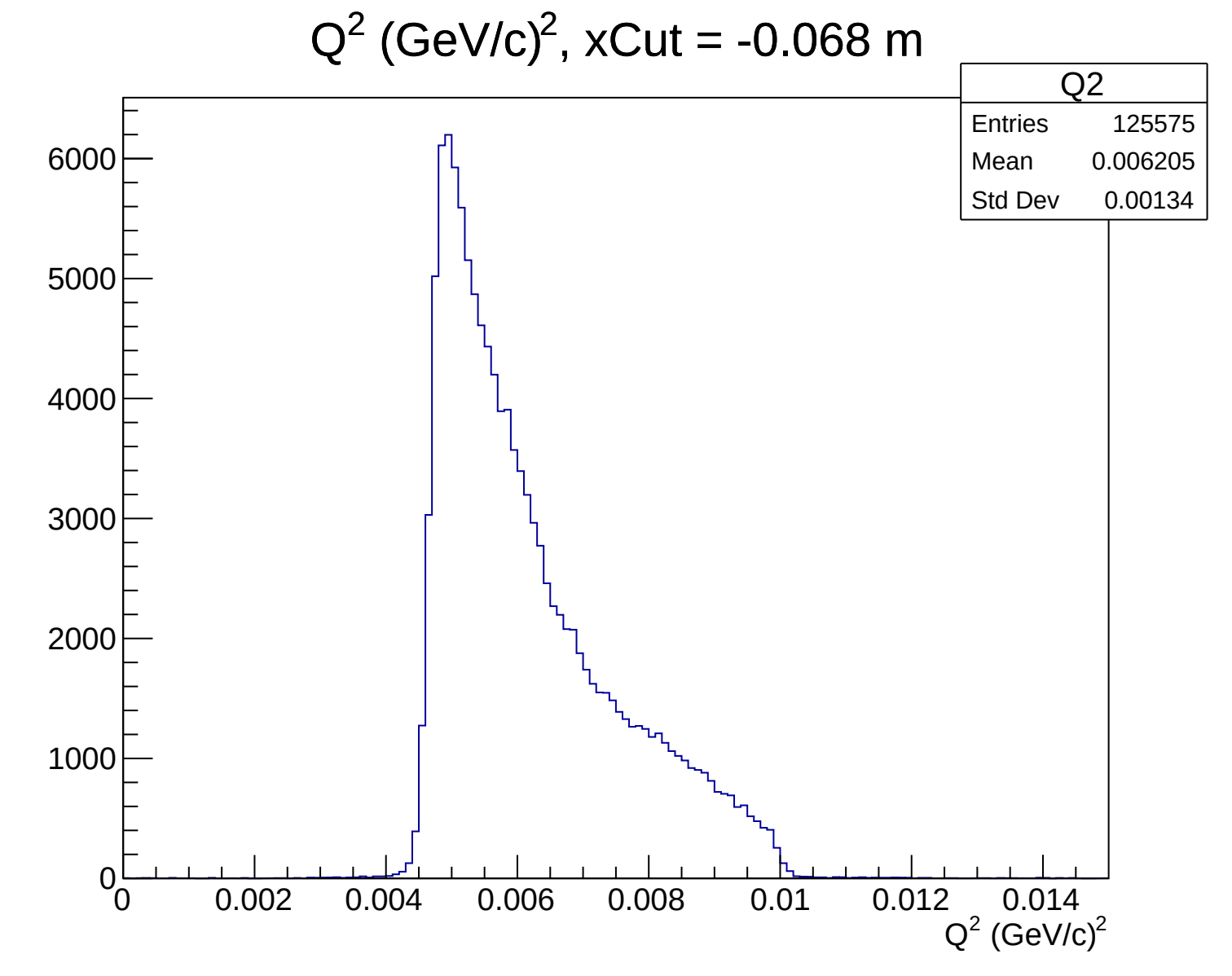

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.068
L.tr.x[0]+1.3*L.tr.th[0] (m)

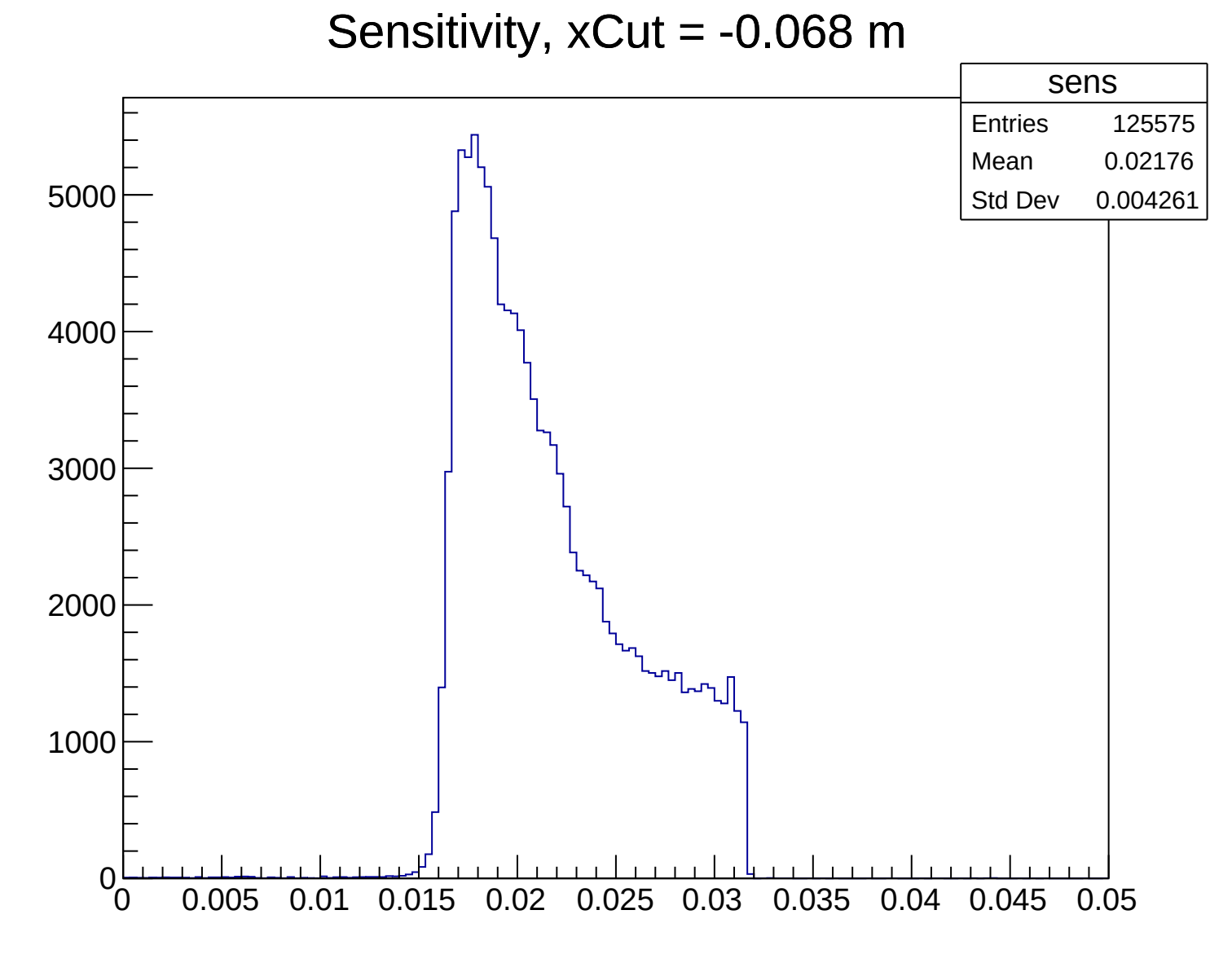

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

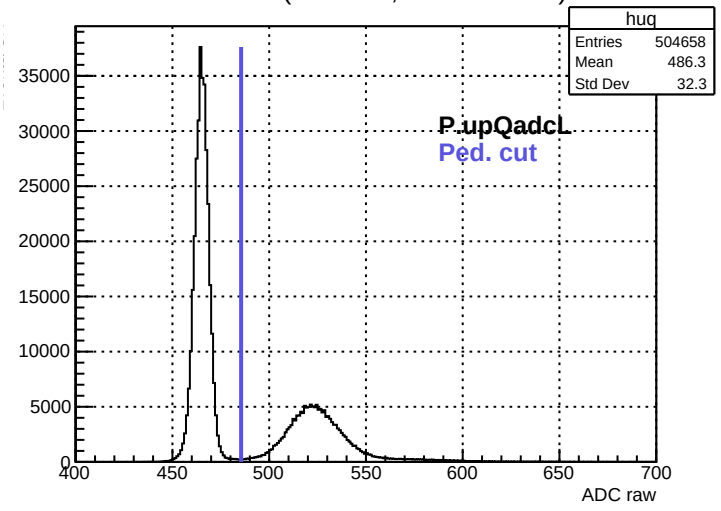

θlab (deg), xCut = -0.068 m
Theta
Entries 125575
Mean 4.737
Std Dev 0.497
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

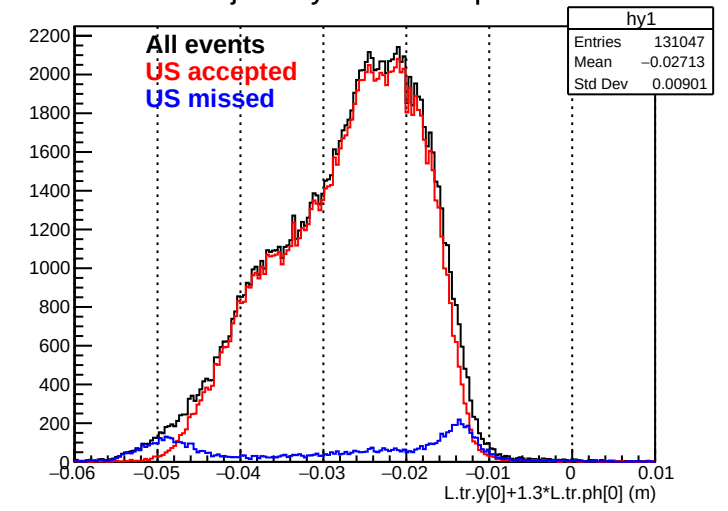

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 125575
Mean 0.5598
Std Dev 0.09054
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

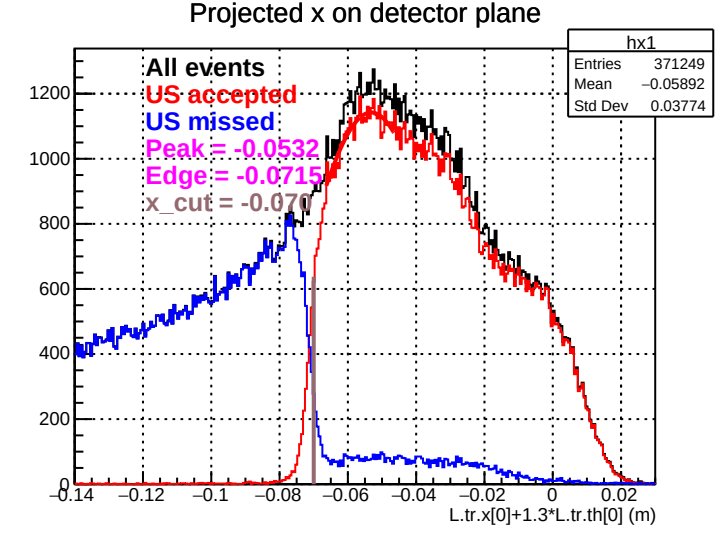

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 125575
Mean 0.5473
Std Dev 0.08651
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

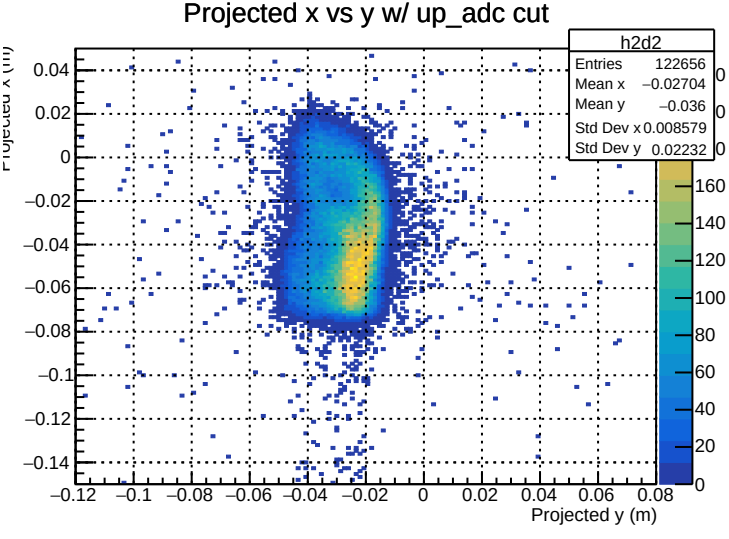

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 125575
Mean 0.006205
Std Dev 0.00134
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

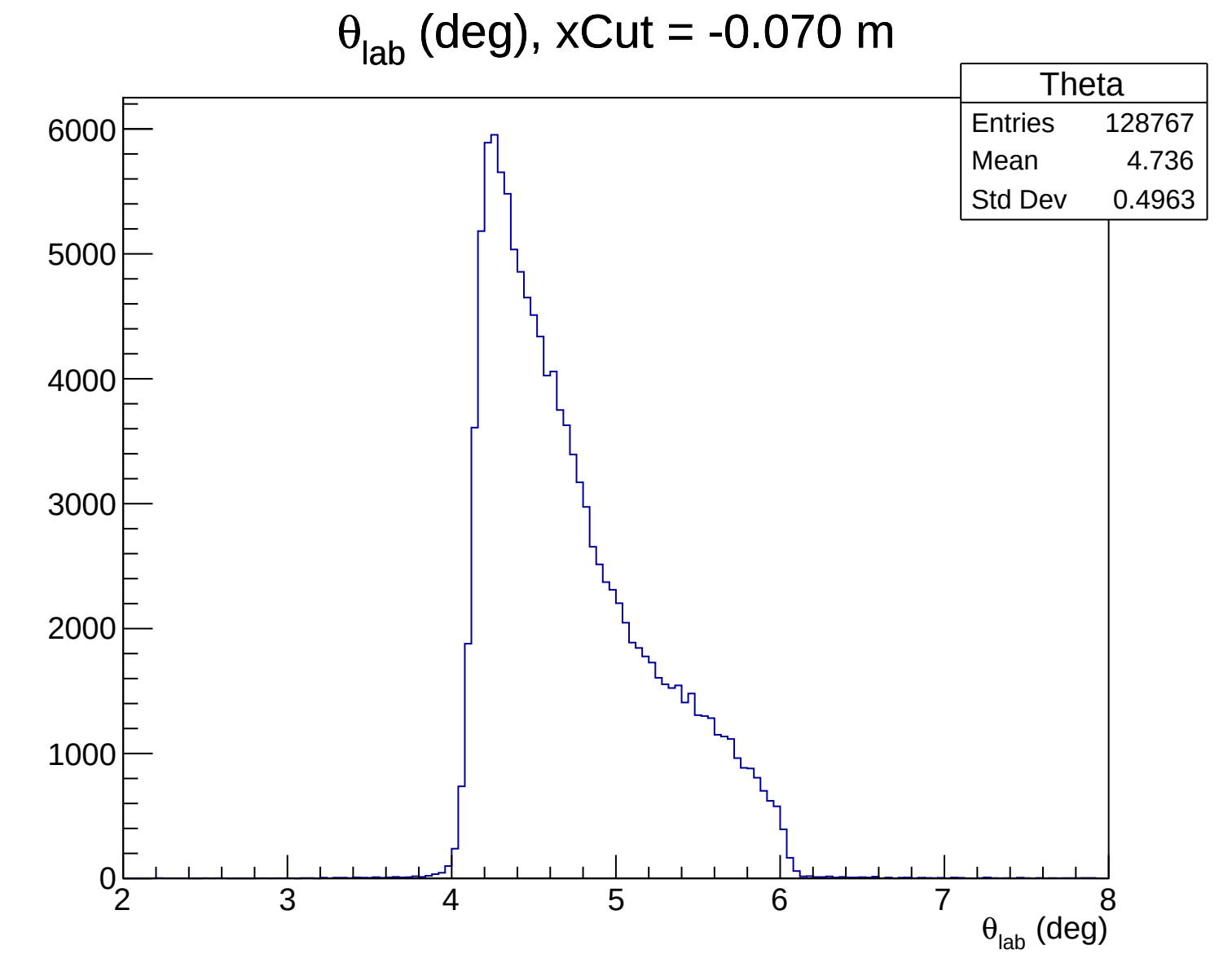

Sensitivity, xCut = -0.068 m
sens
Entries 125575
Mean 0.02176
Std Dev 0.004261
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

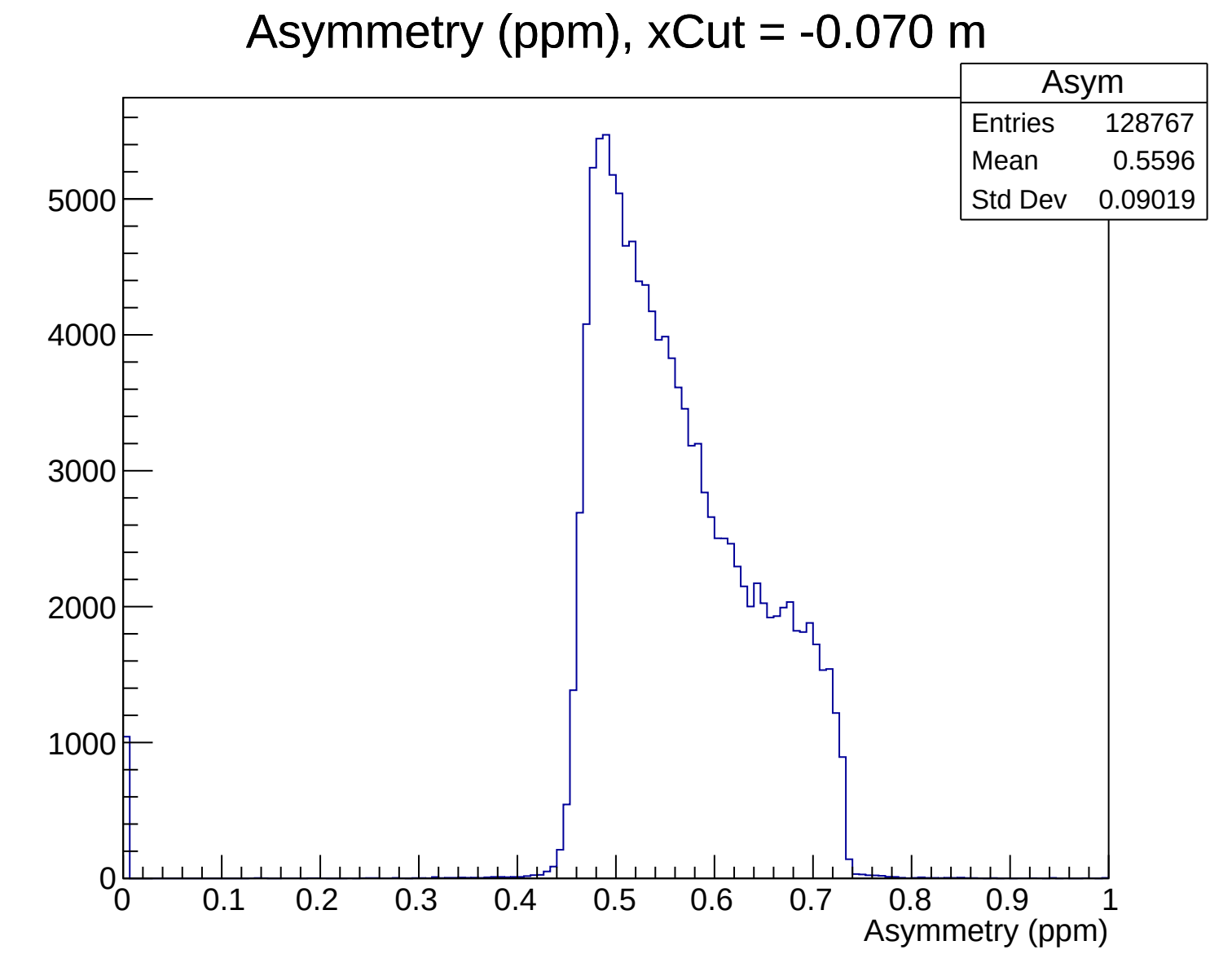

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

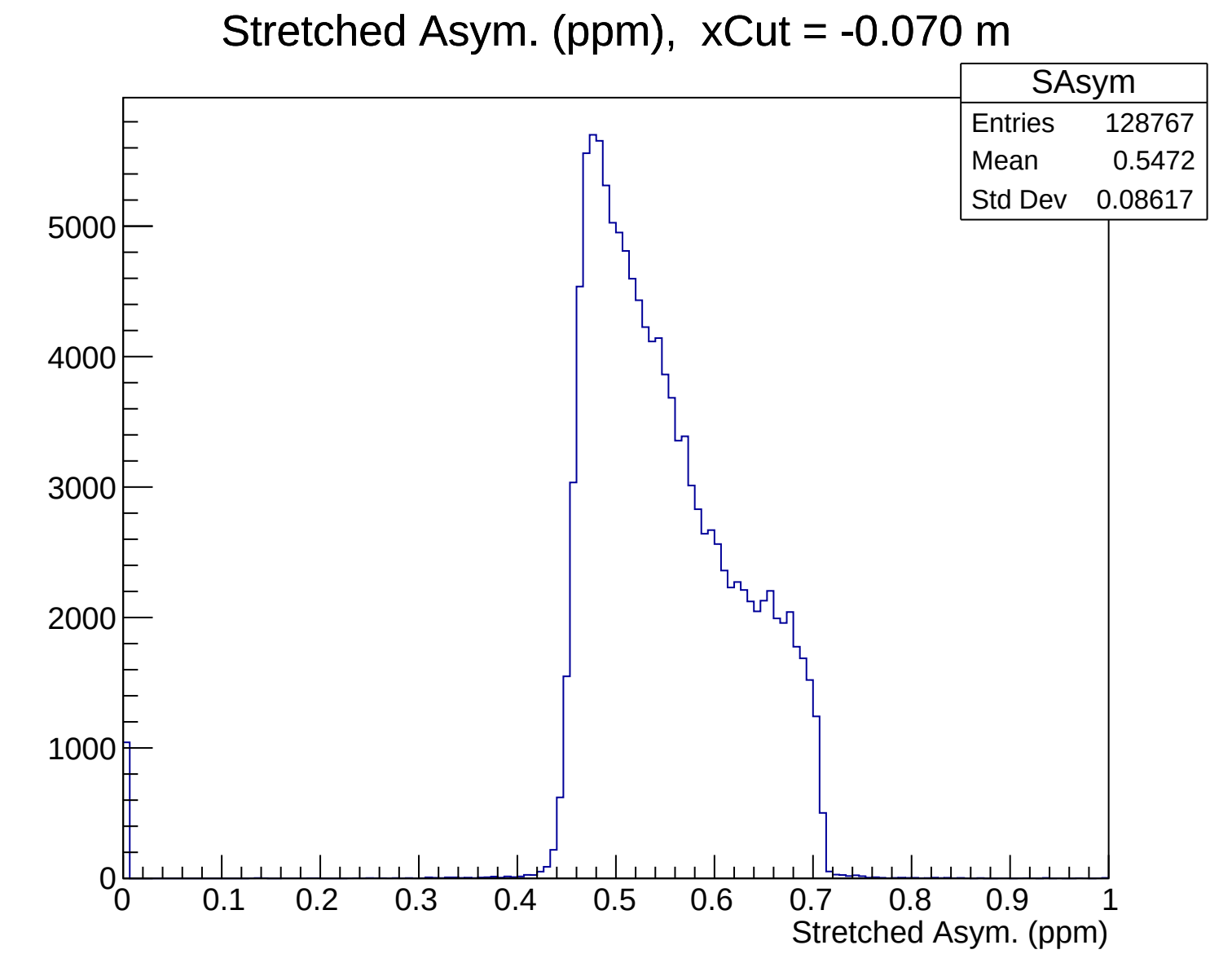

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

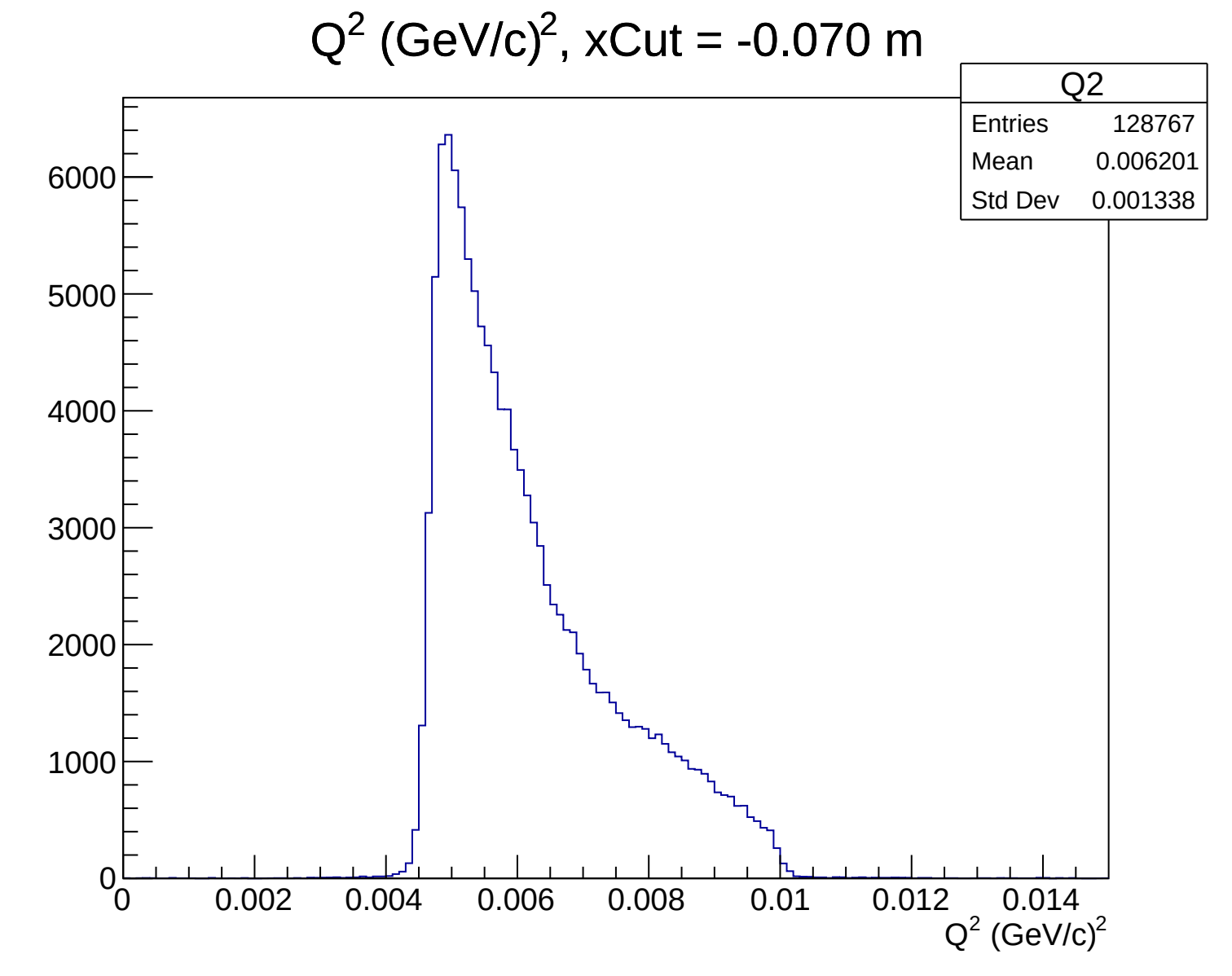

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.070
L.tr.x[0]+1.3*L.tr.th[0] (m)

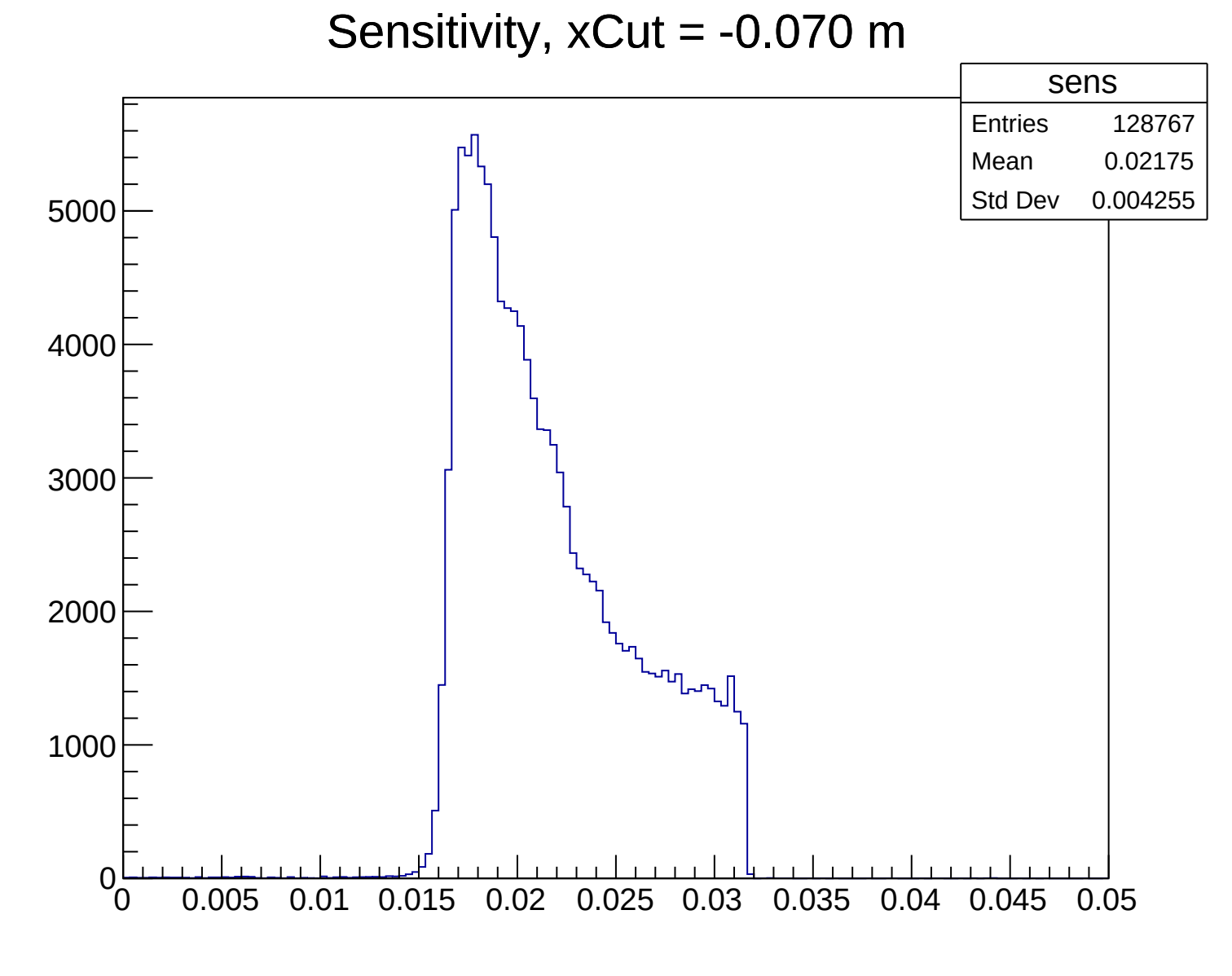

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

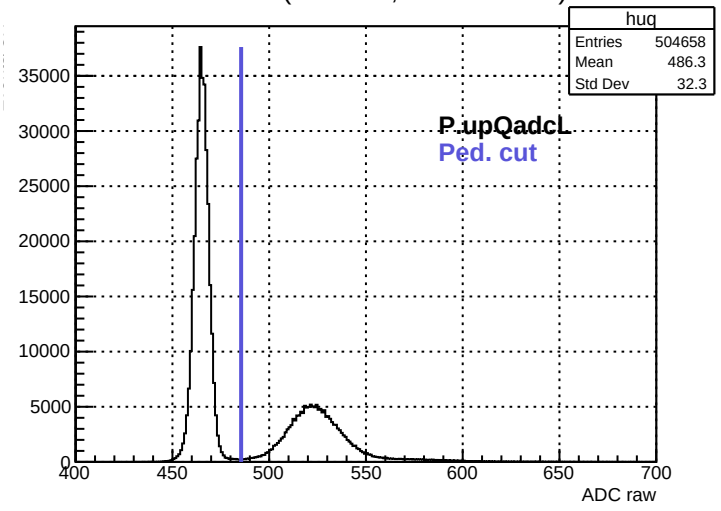

θlab (deg), xCut = -0.070 m
Theta
Entries 128767
Mean 4.736
Std Dev 0.4963
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

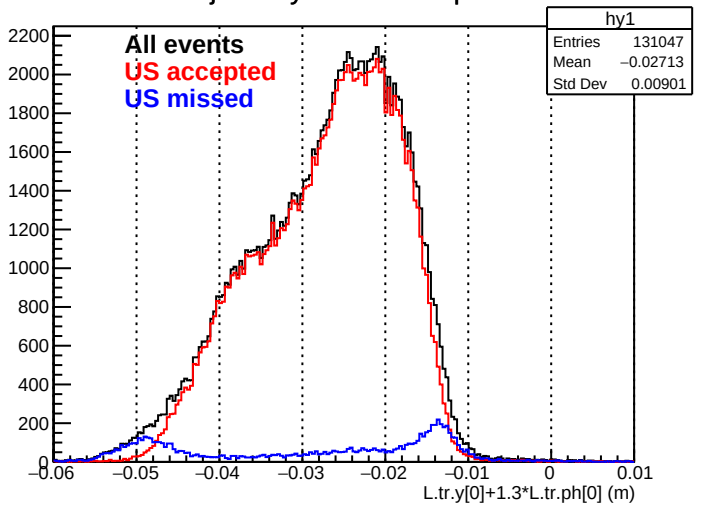

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 128767
Mean 0.5596
Std Dev 0.09019
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

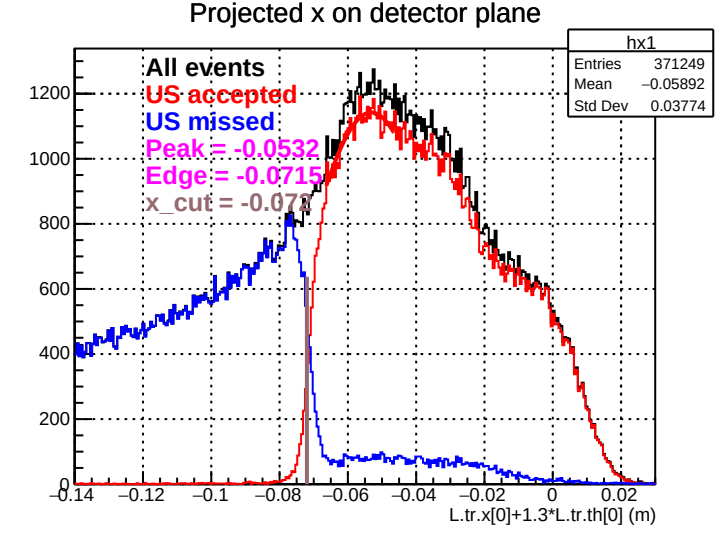

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 128767
Mean 0.5472
Std Dev 0.08617
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

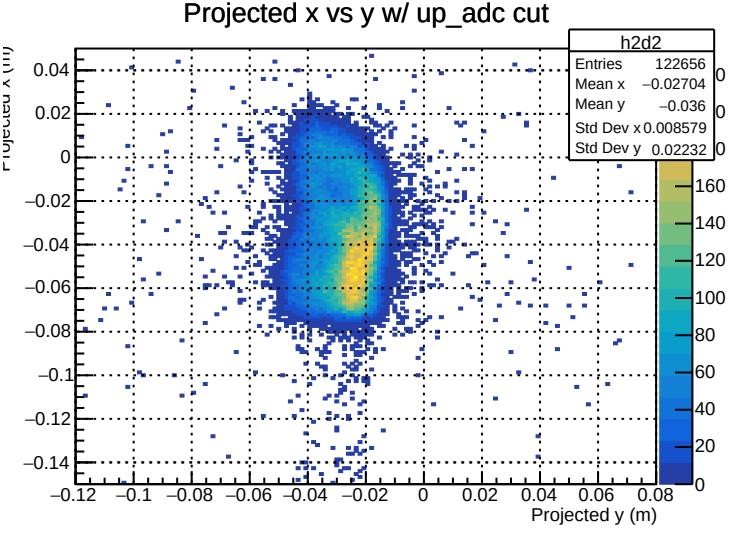

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 128767
Mean 0.006201
Std Dev 0.001338
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

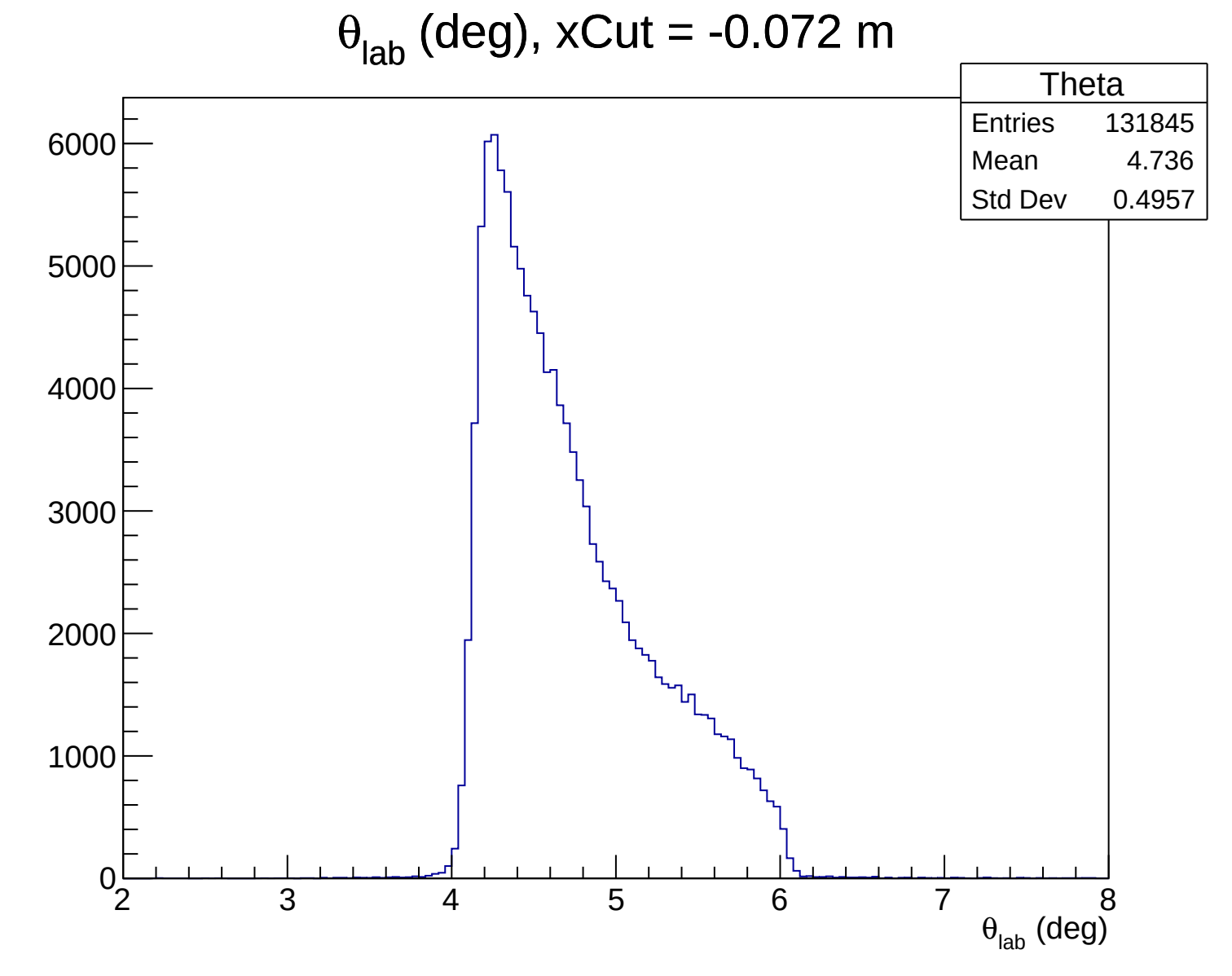

Sensitivity, xCut = -0.070 m
sens
Entries 128767
Mean 0.02175
Std Dev 0.004255
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

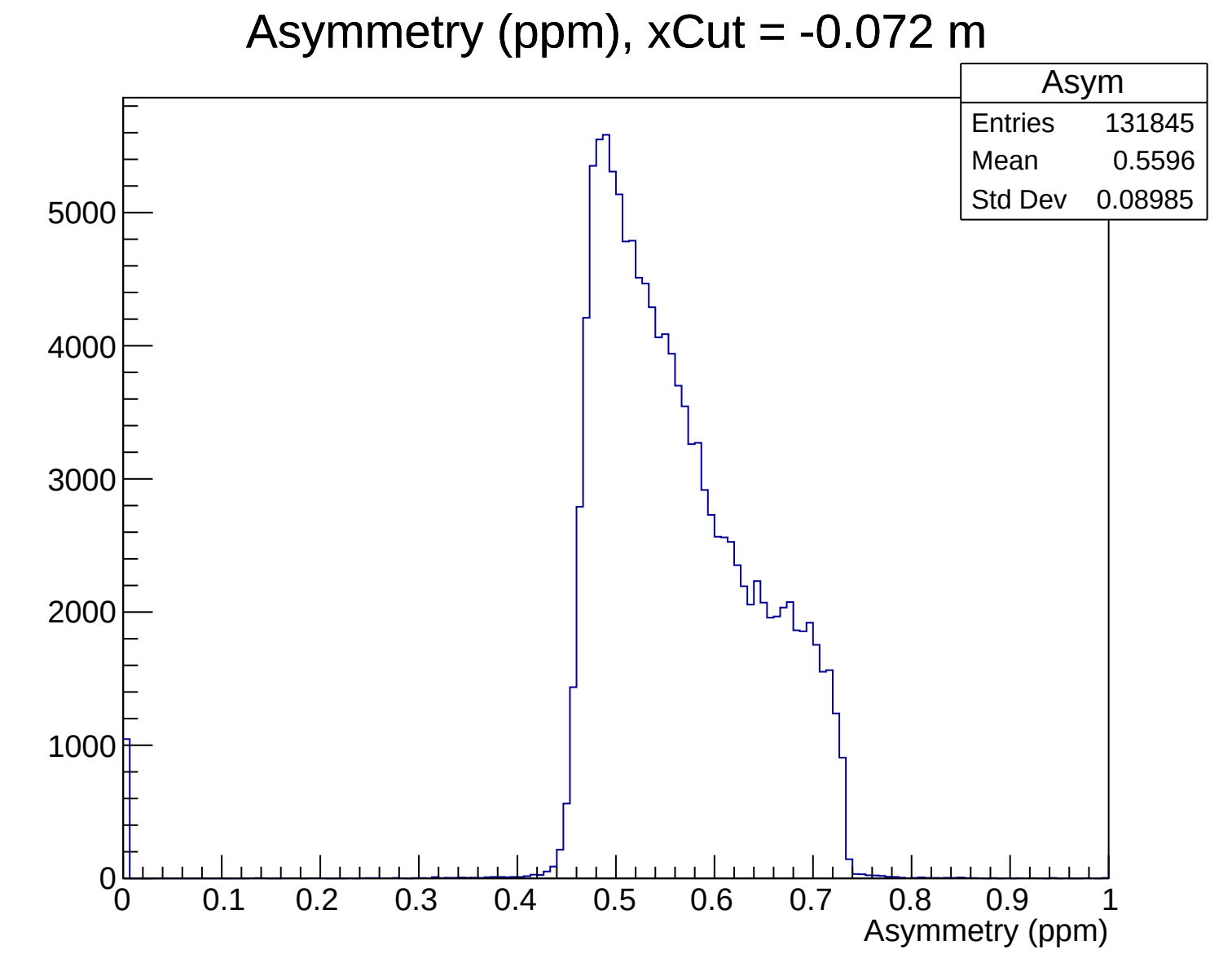

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

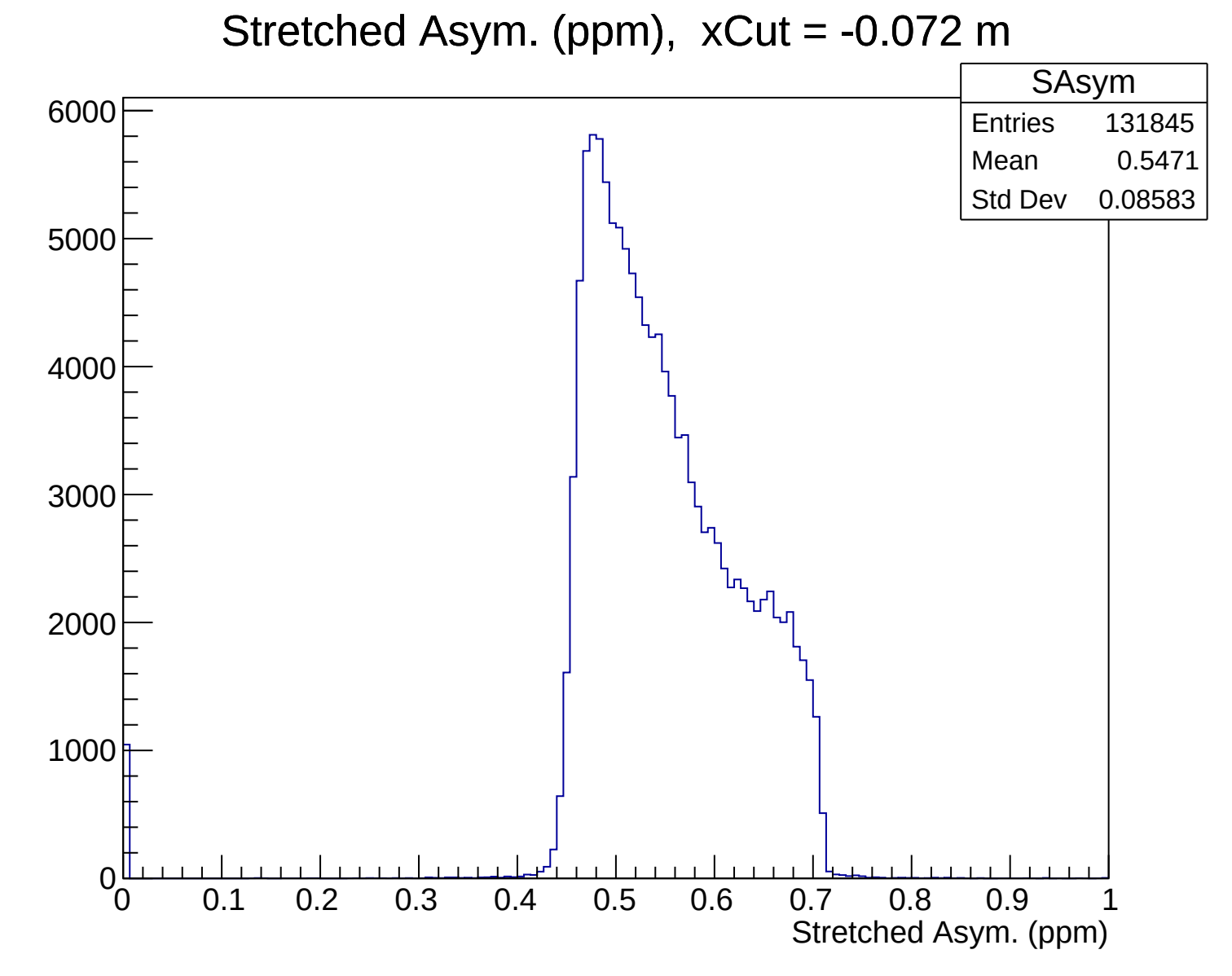

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

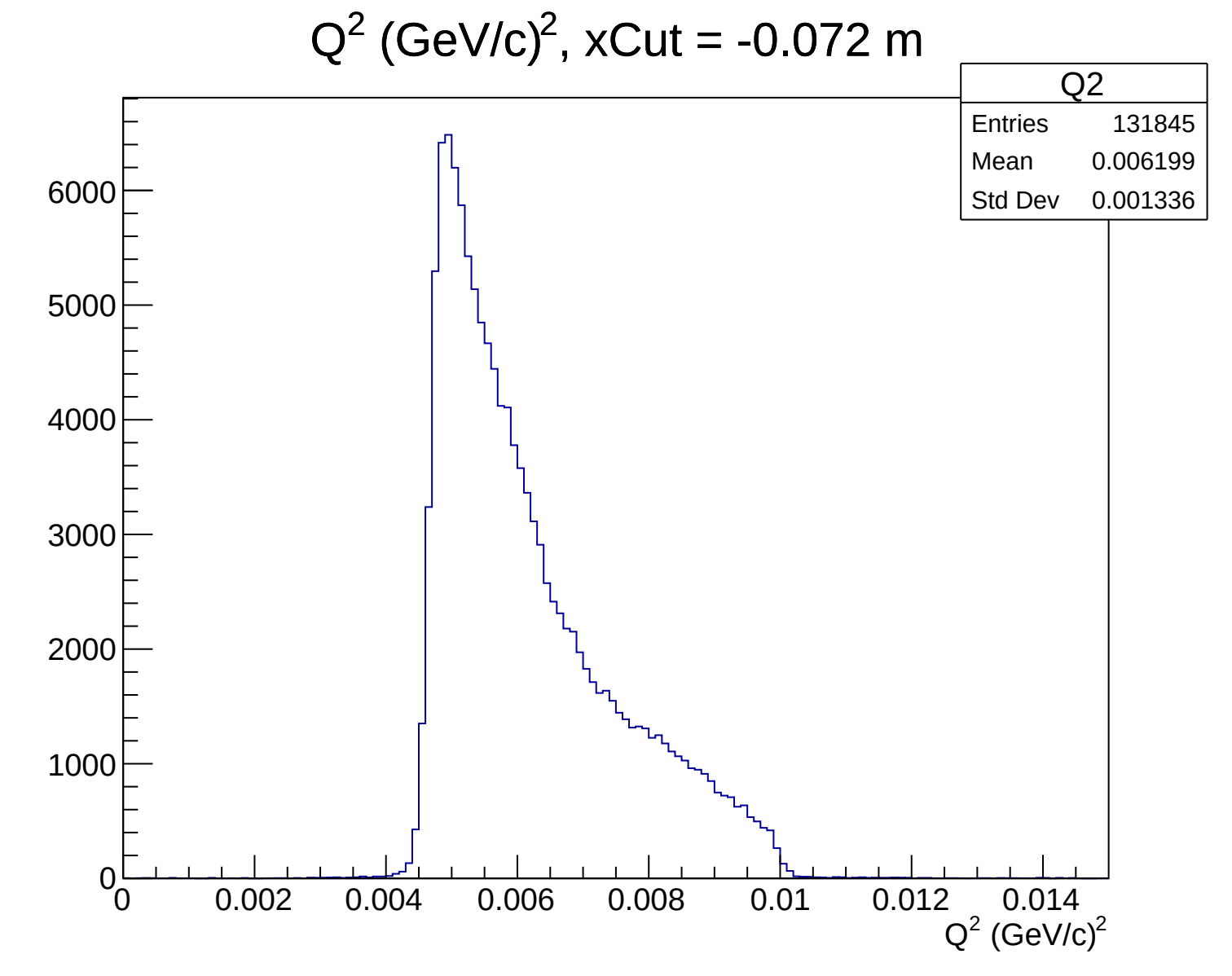

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.072
L.tr.x[0]+1.3*L.tr.th[0] (m)

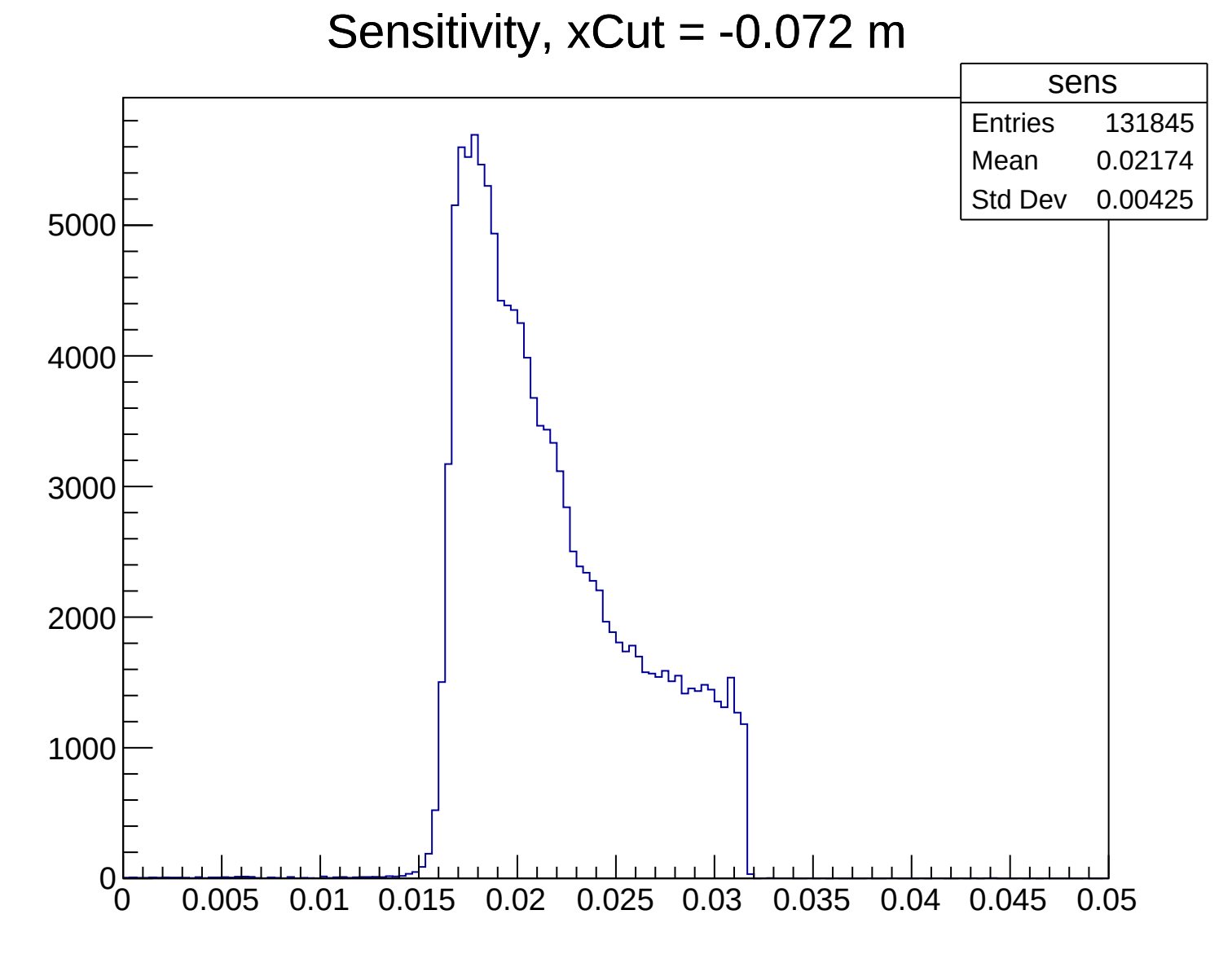

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

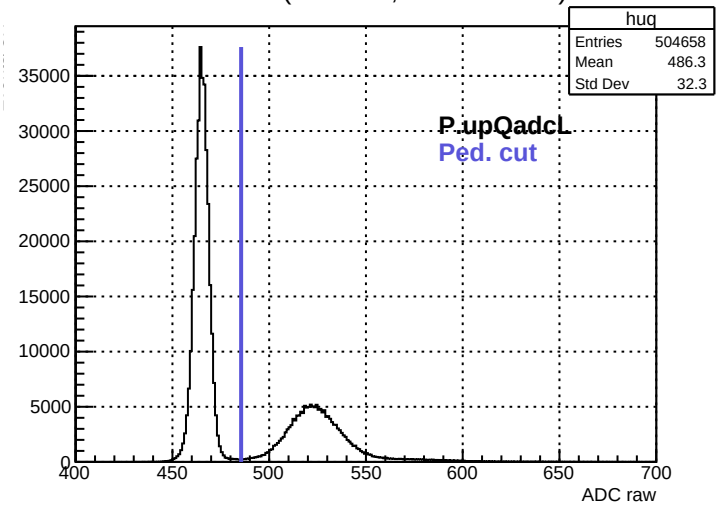

θlab (deg), xCut = -0.072 m
Theta
Entries 131845
Mean 4.736
Std Dev 0.4957
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

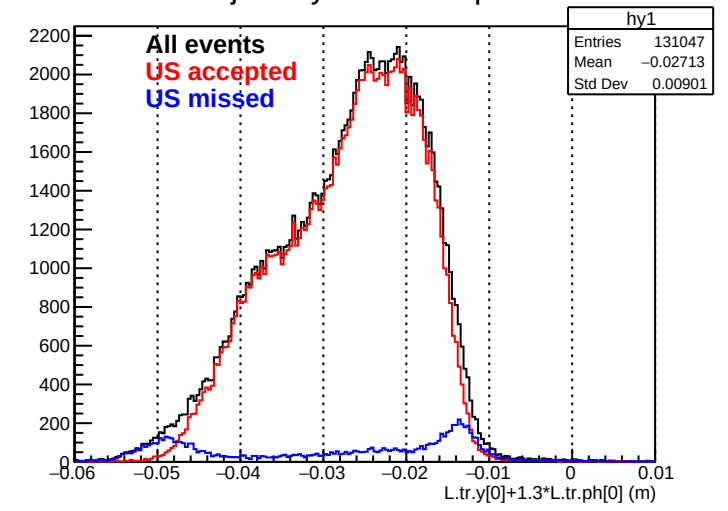

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 131845
Mean 0.5596
Std Dev 0.08985
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

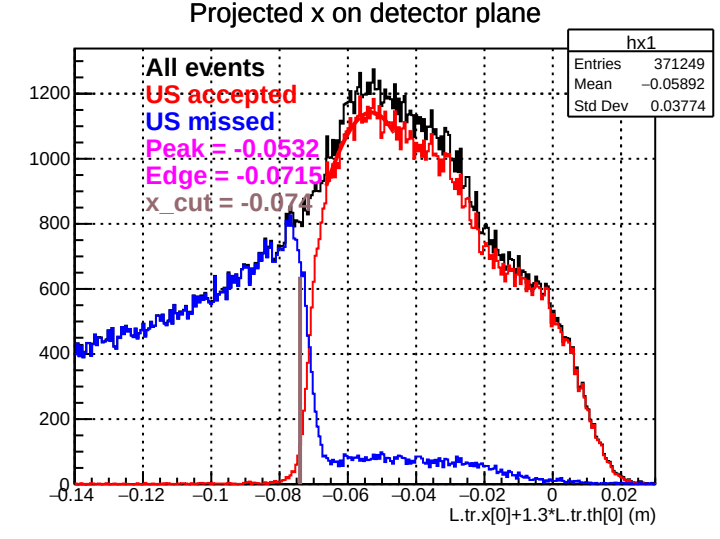

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 131845
Mean 0.5471
Std Dev 0.08583
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

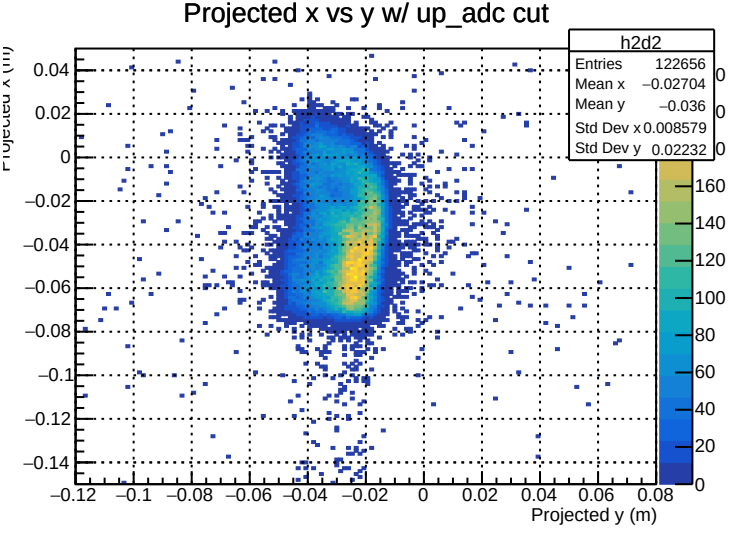

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 131845
Mean 0.006199
Std Dev 0.001336
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

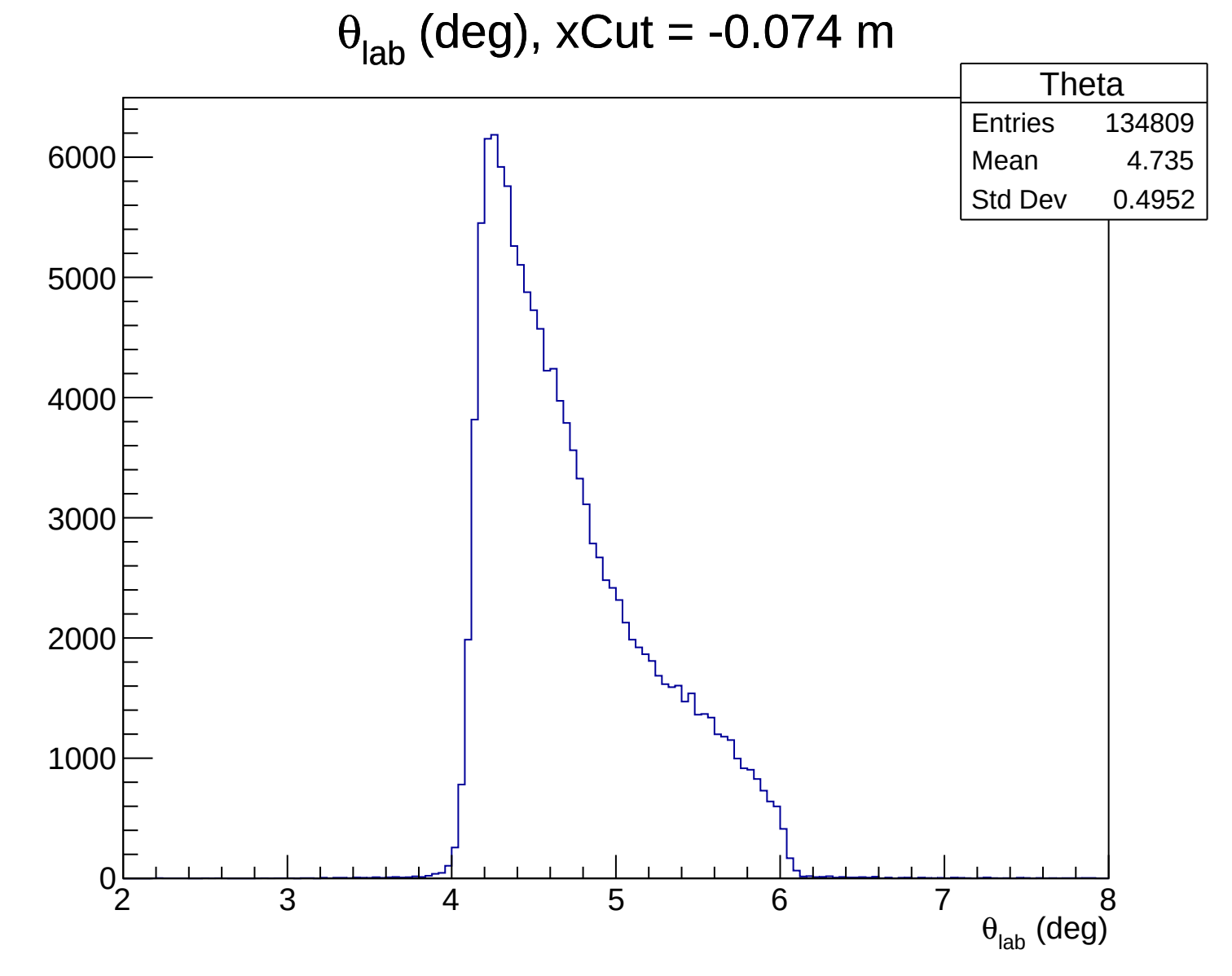

Sensitivity, xCut = -0.072 m
sens
Entries 131845
Mean 0.02174
Std Dev 0.00425
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

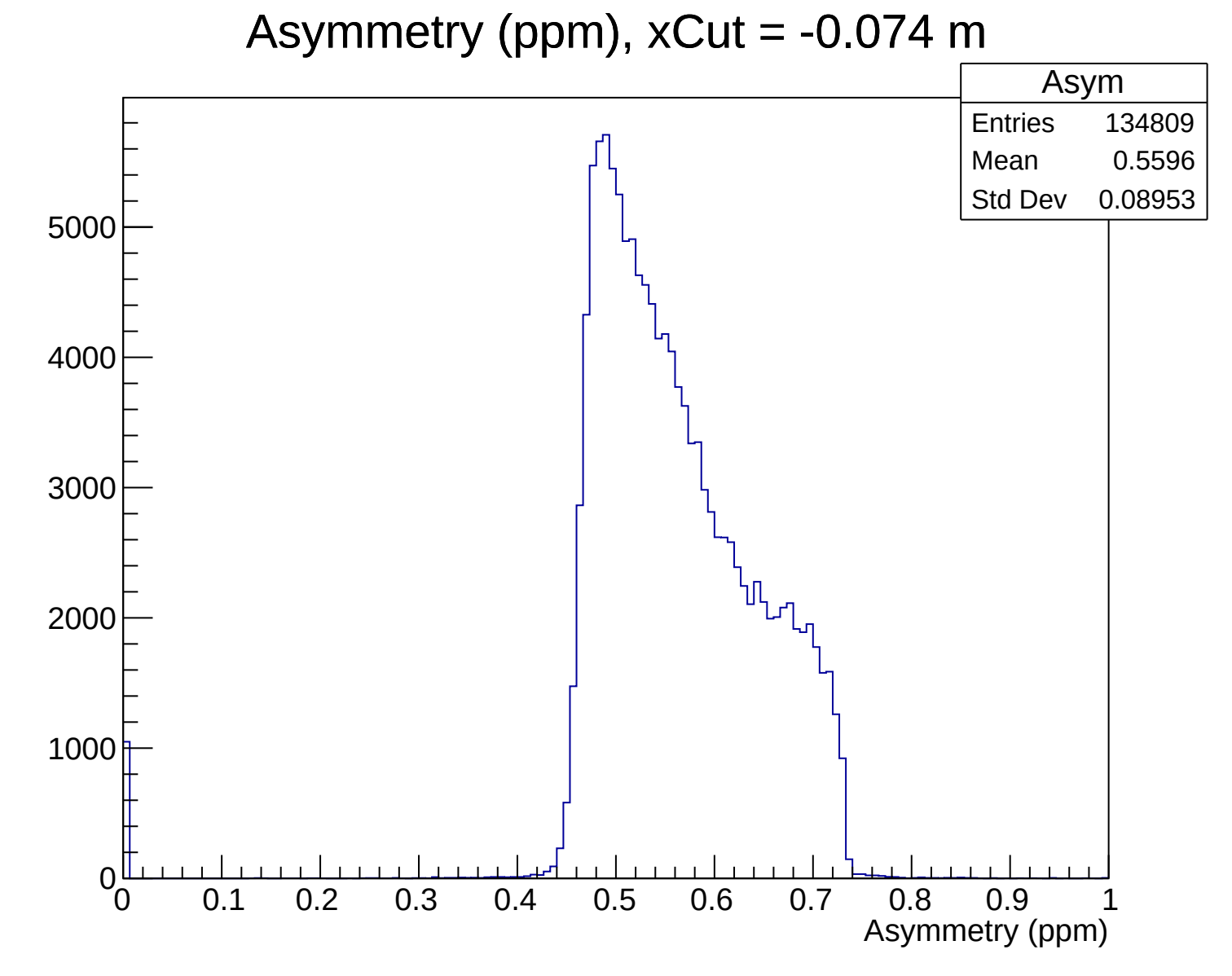

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

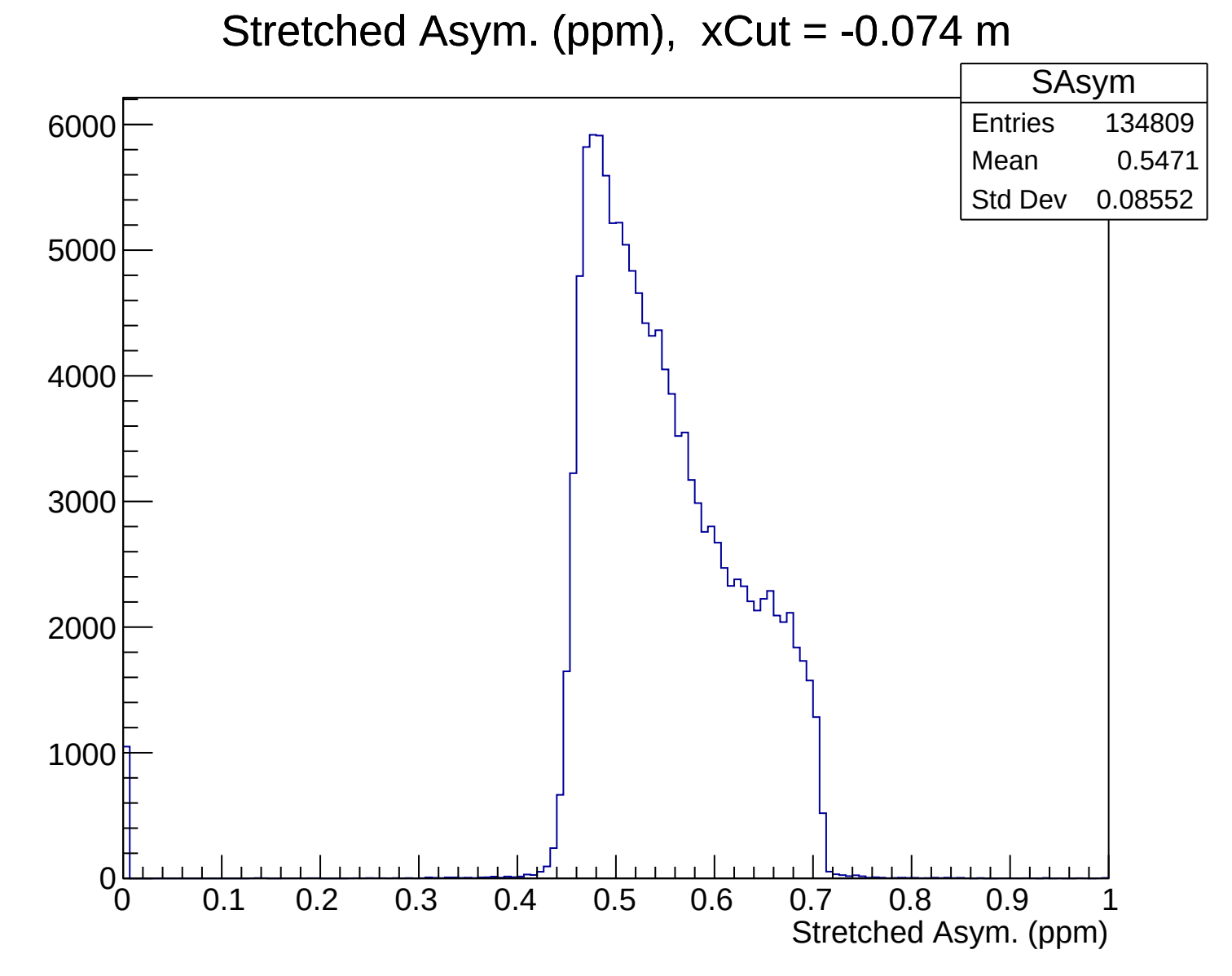

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

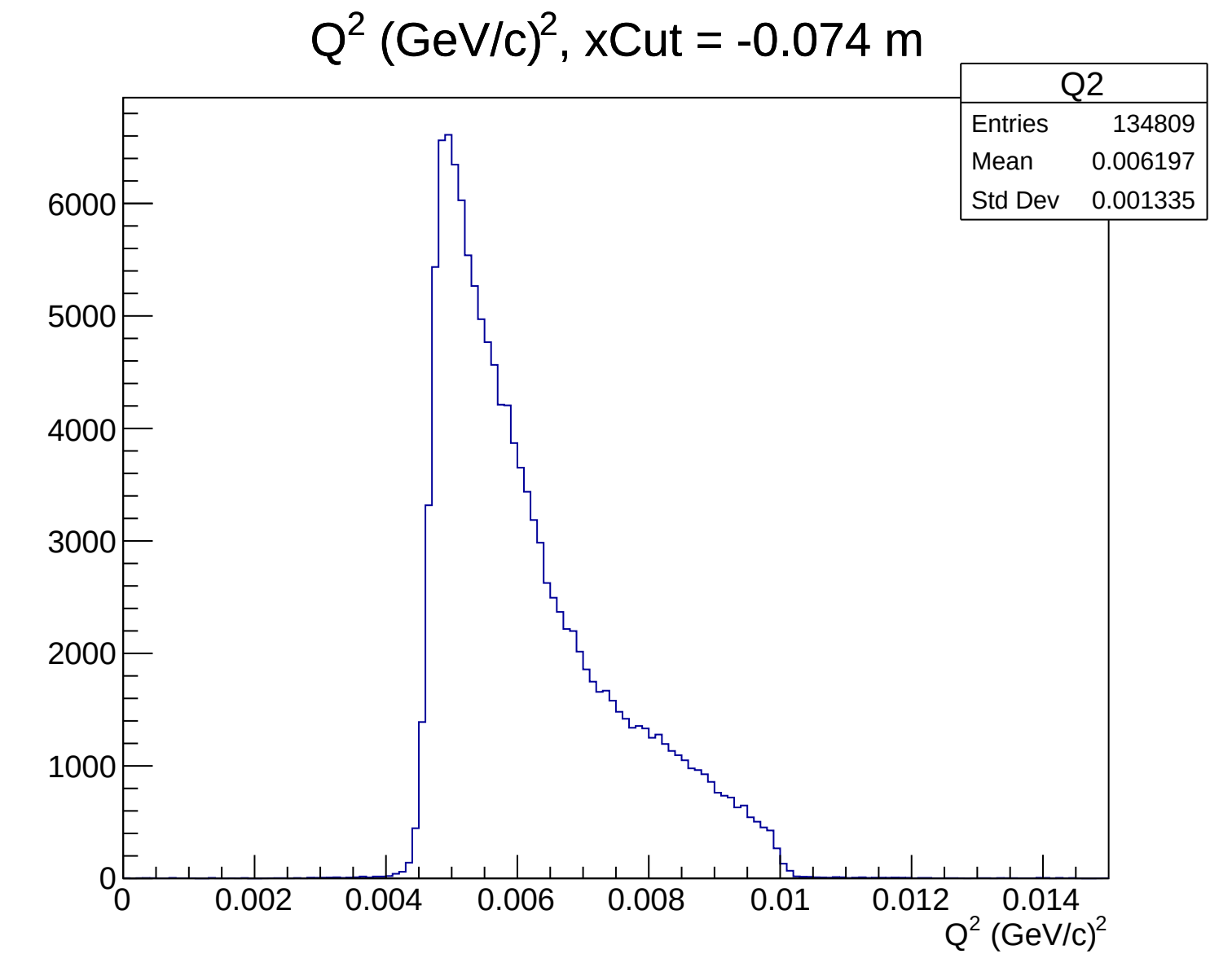

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.074
L.tr.x[0]+1.3*L.tr.th[0] (m)

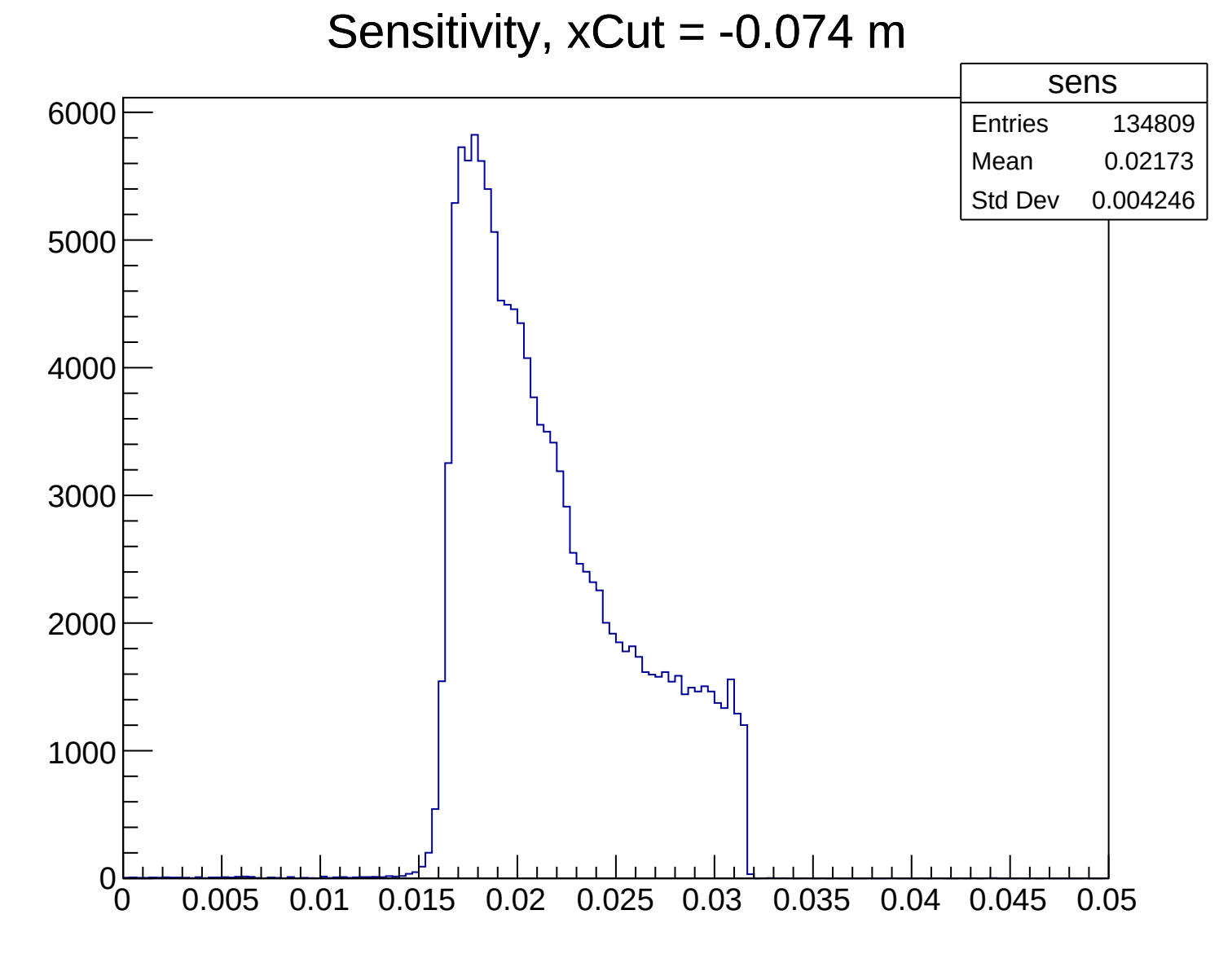

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

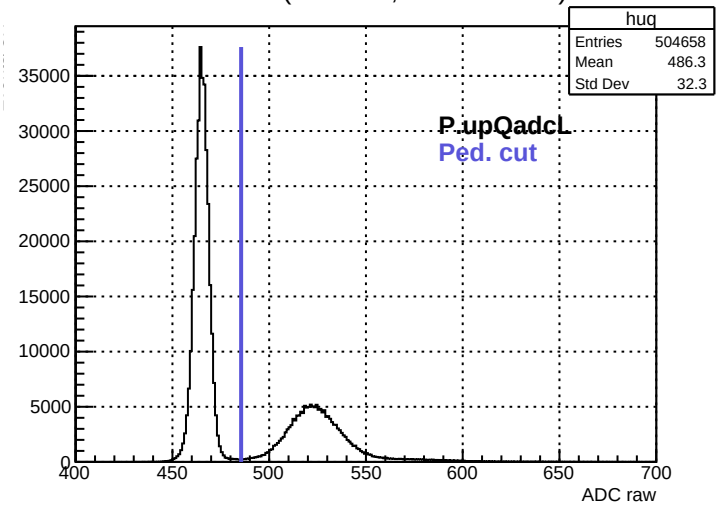

θlab (deg), xCut = -0.074 m
Theta
Entries 134809
Mean 4.735
Std Dev 0.4952
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

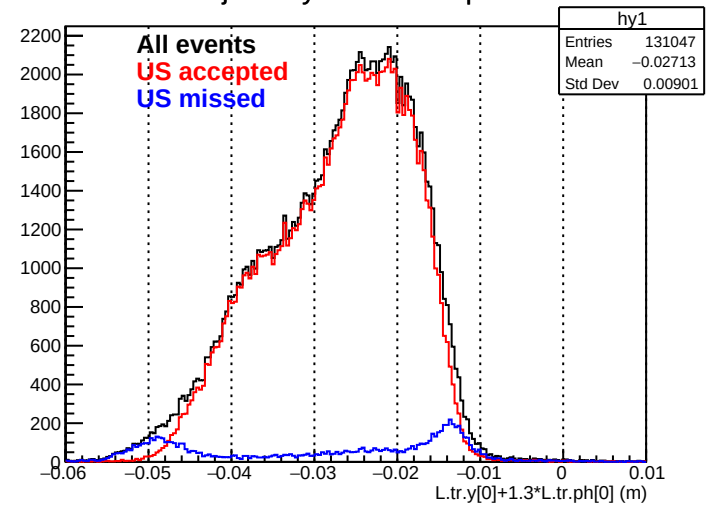

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 134809
Mean 0.5596
Std Dev 0.08953
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

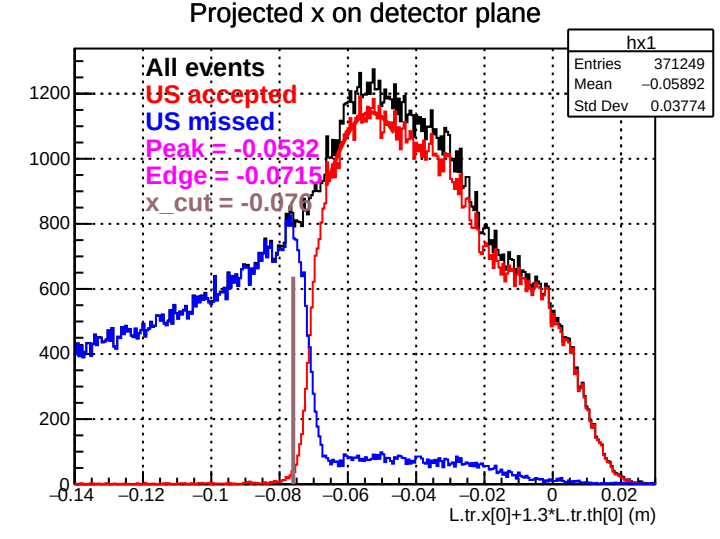

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 134809
Mean 0.5471
Std Dev 0.08552
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

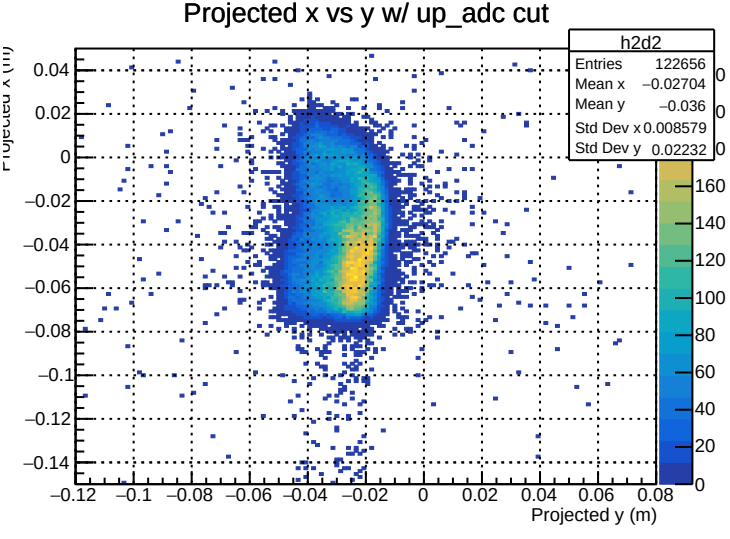

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 134809
Mean 0.006197
Std Dev 0.001335
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

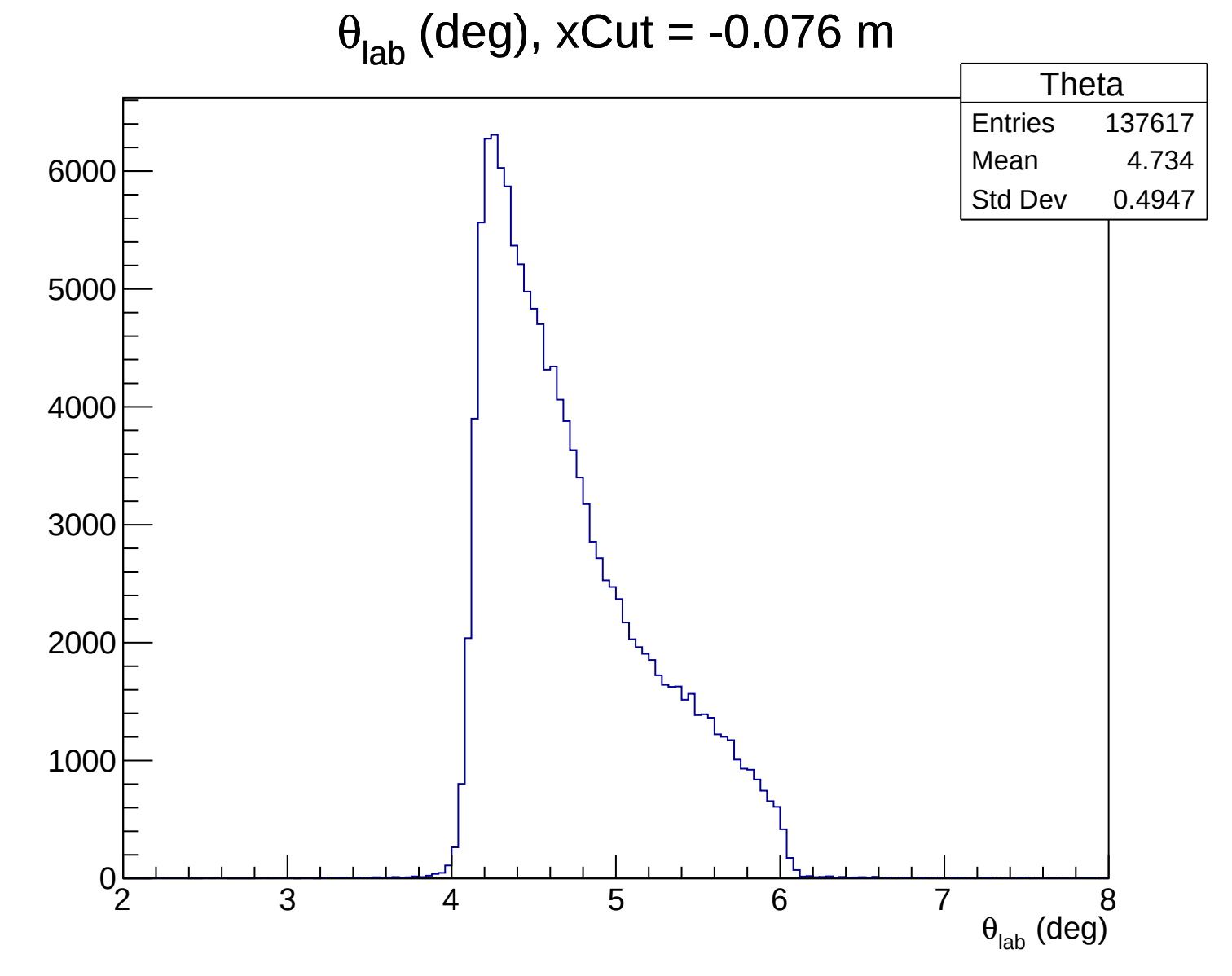

Sensitivity, xCut = -0.074 m
sens
Entries 134809
Mean 0.02173
Std Dev 0.004246
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

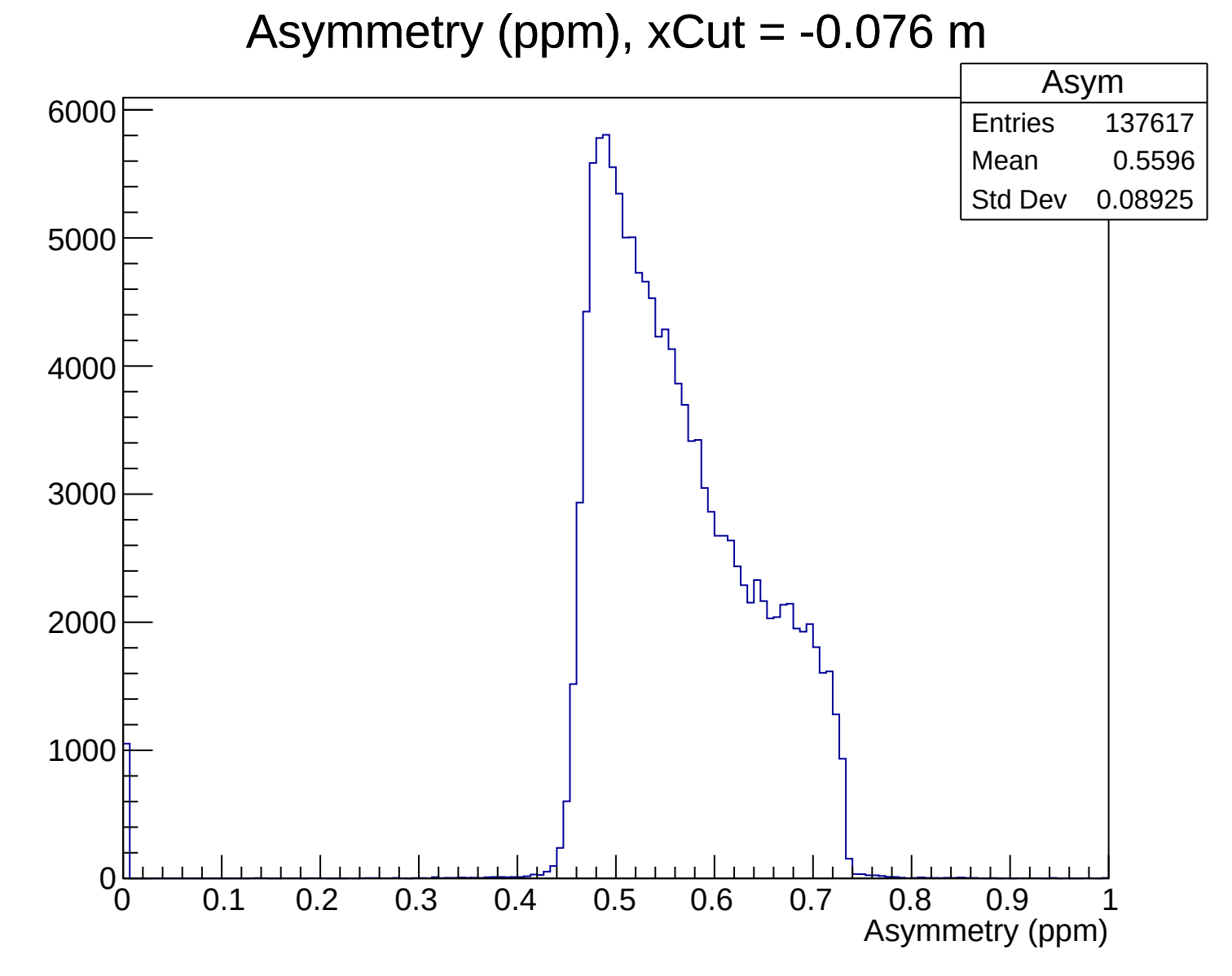

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

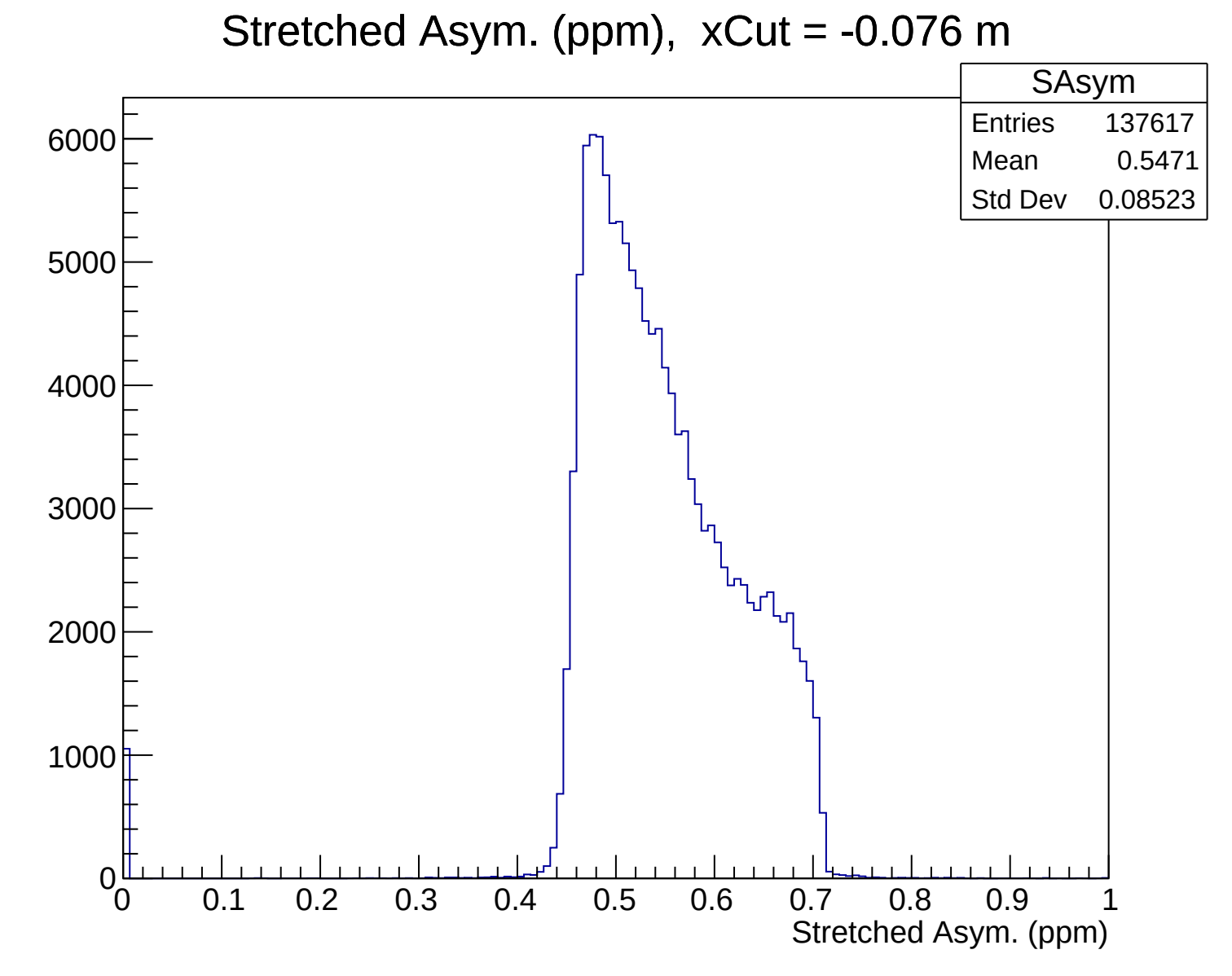

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

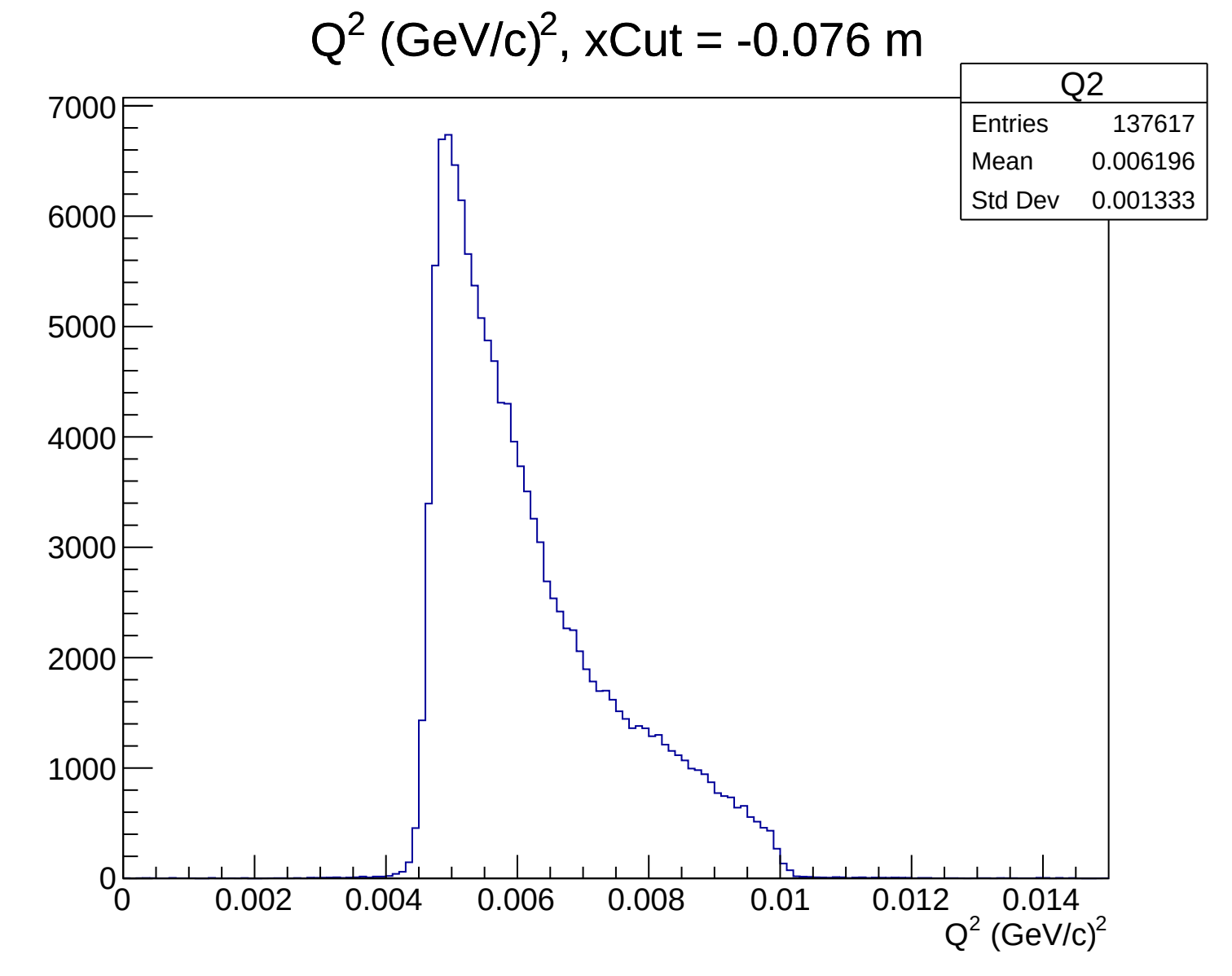

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.076
L.tr.x[0]+1.3*L.tr.th[0] (m)

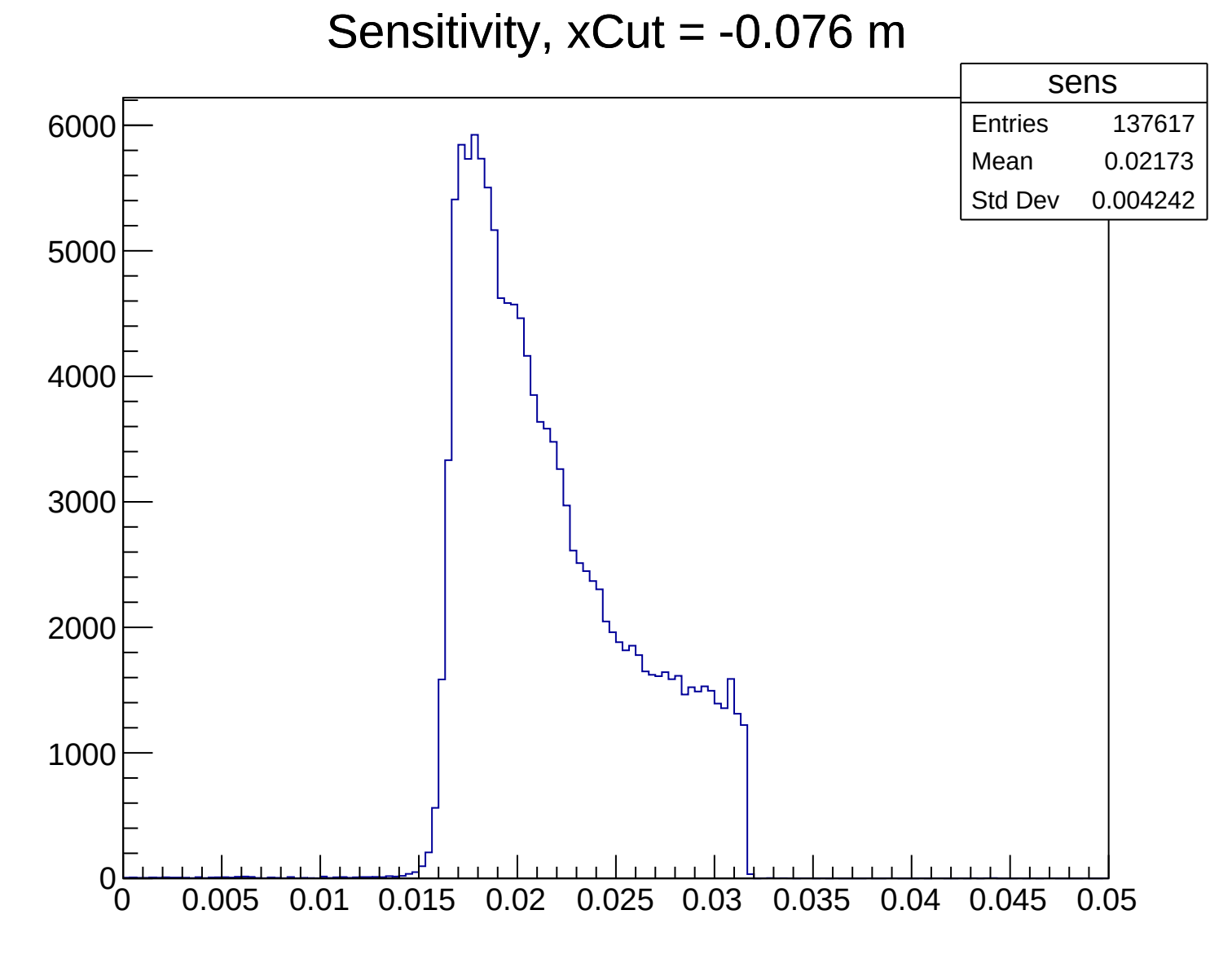

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

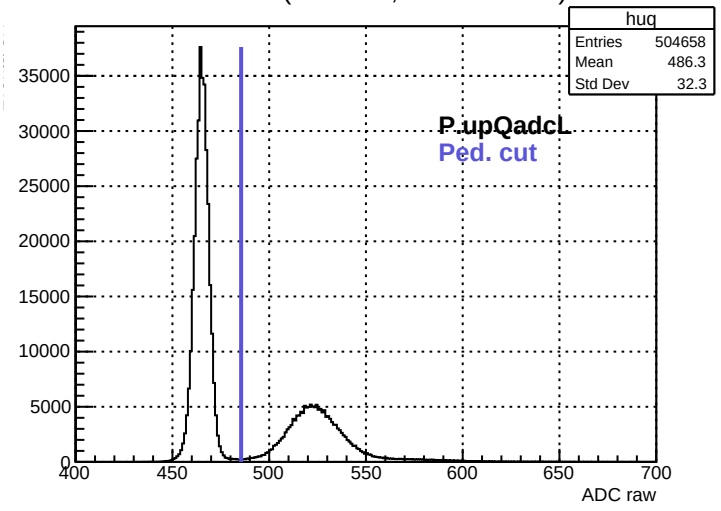

θlab (deg), xCut = -0.076 m
Theta
Entries 137617
Mean 4.734
Std Dev 0.4947
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

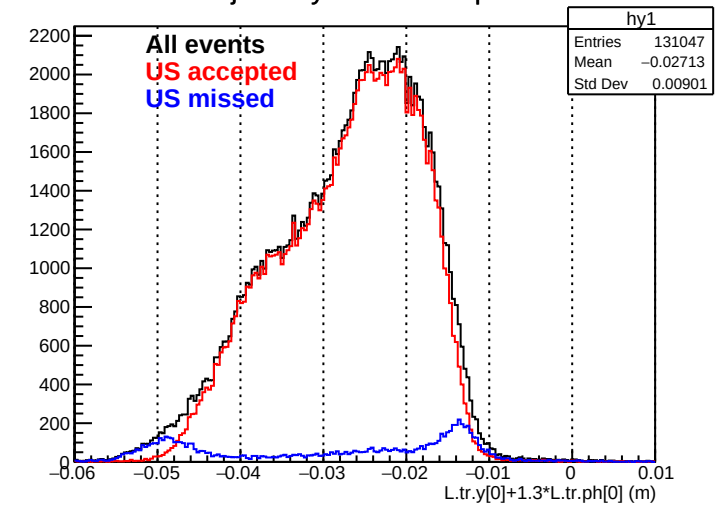

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 137617
Mean 0.5596
Std Dev 0.08925
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

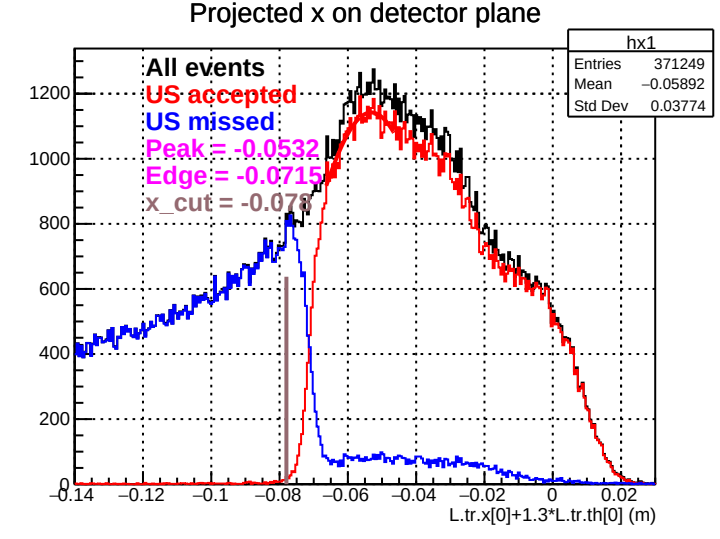

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 137617
Mean 0.5471
Std Dev 0.08523
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

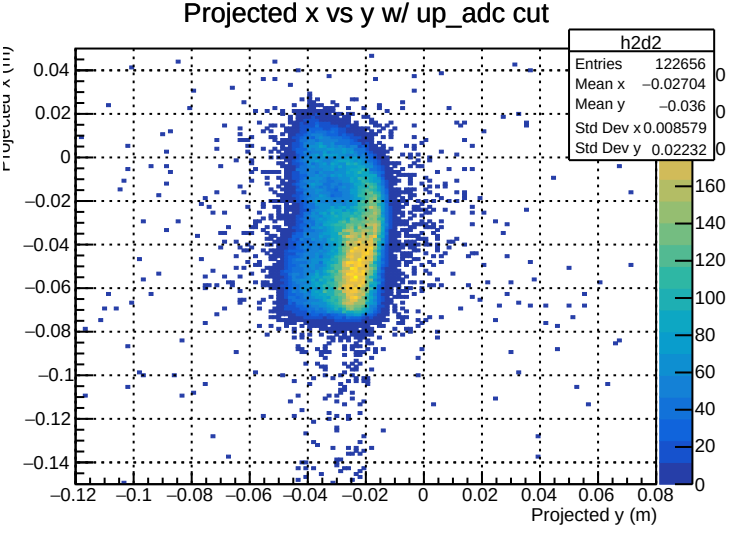

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 137617
Mean 0.006196
Std Dev 0.001333
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

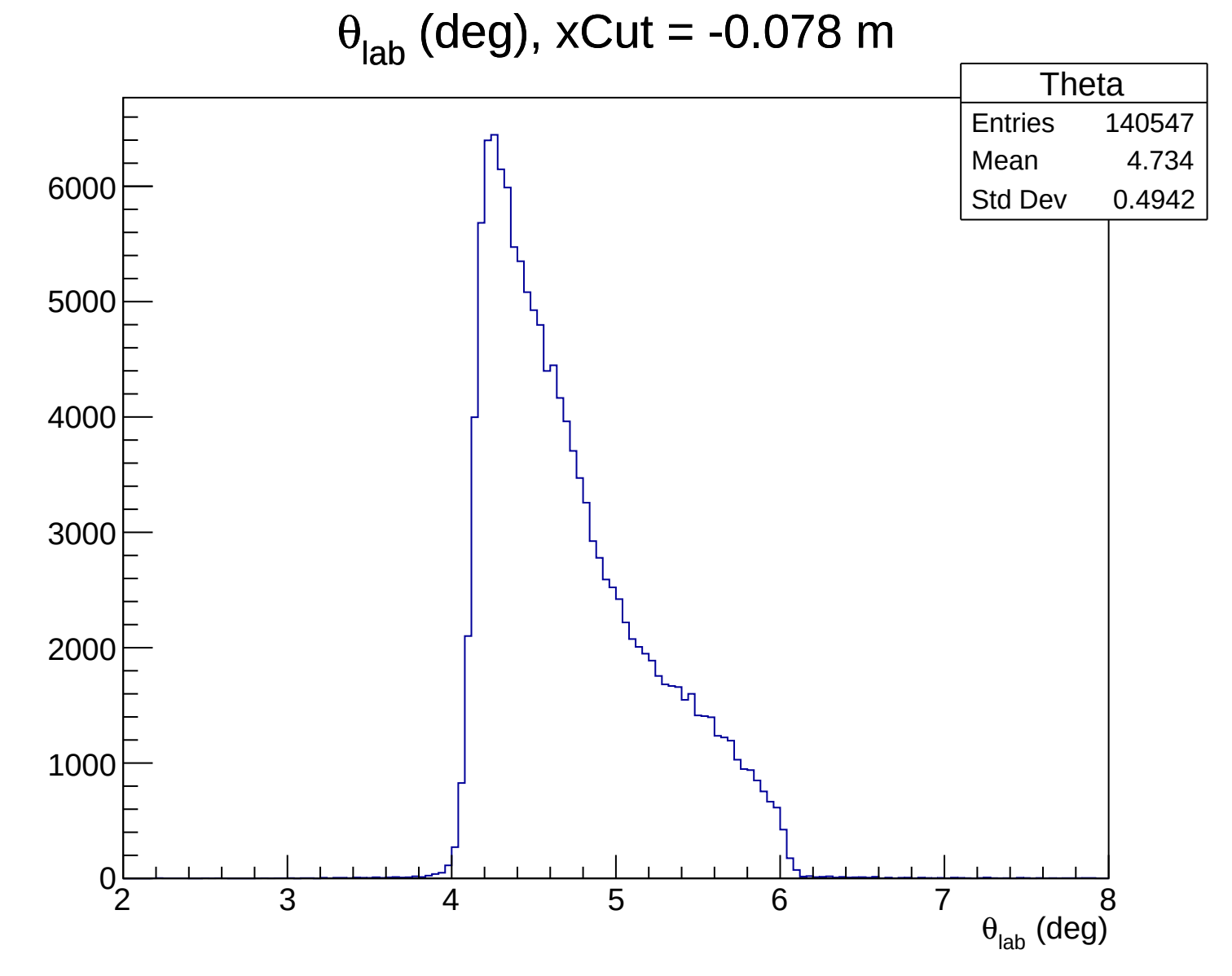

Sensitivity, xCut = -0.076 m
sens
Entries 137617
Mean 0.02173
Std Dev 0.004242
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

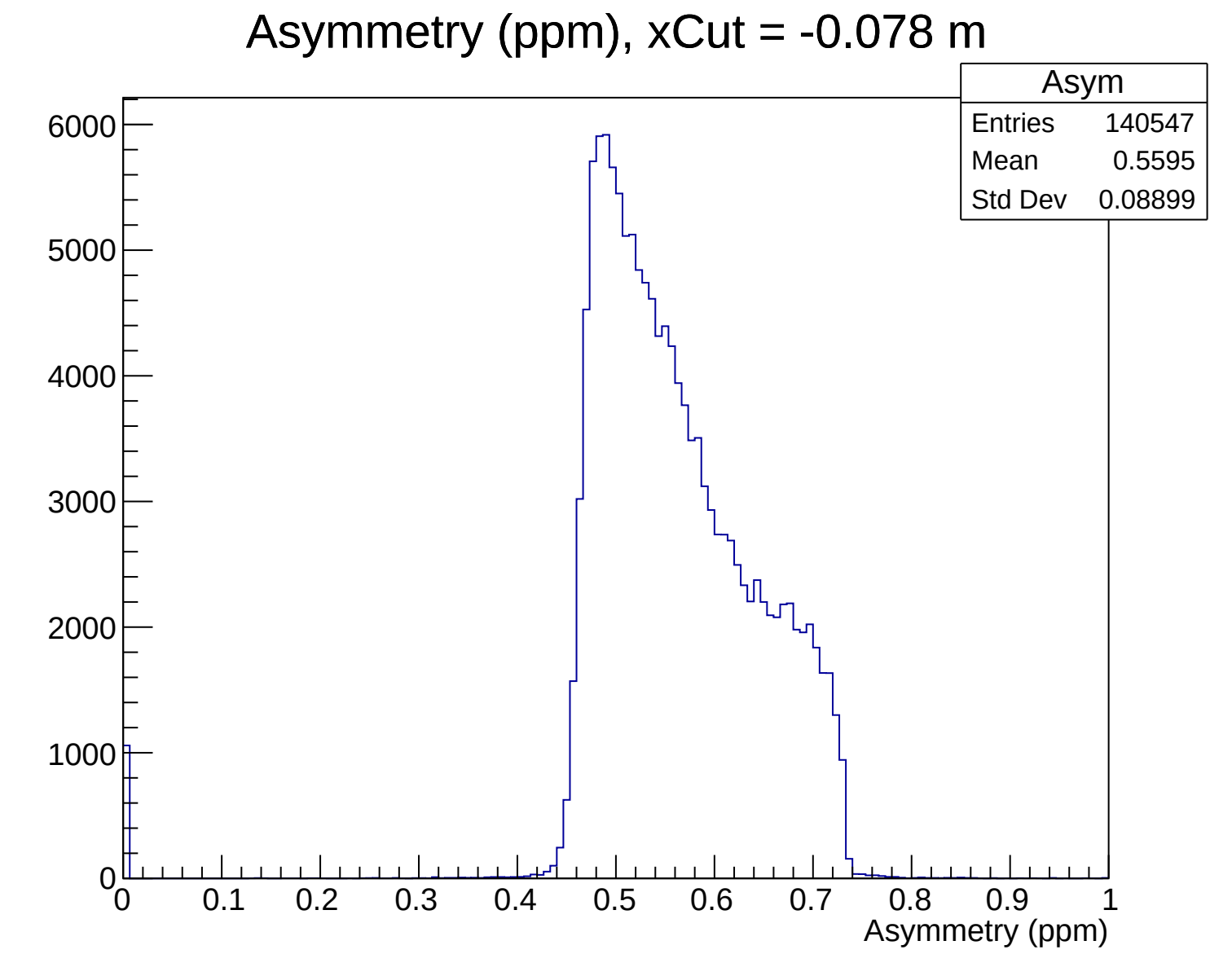

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

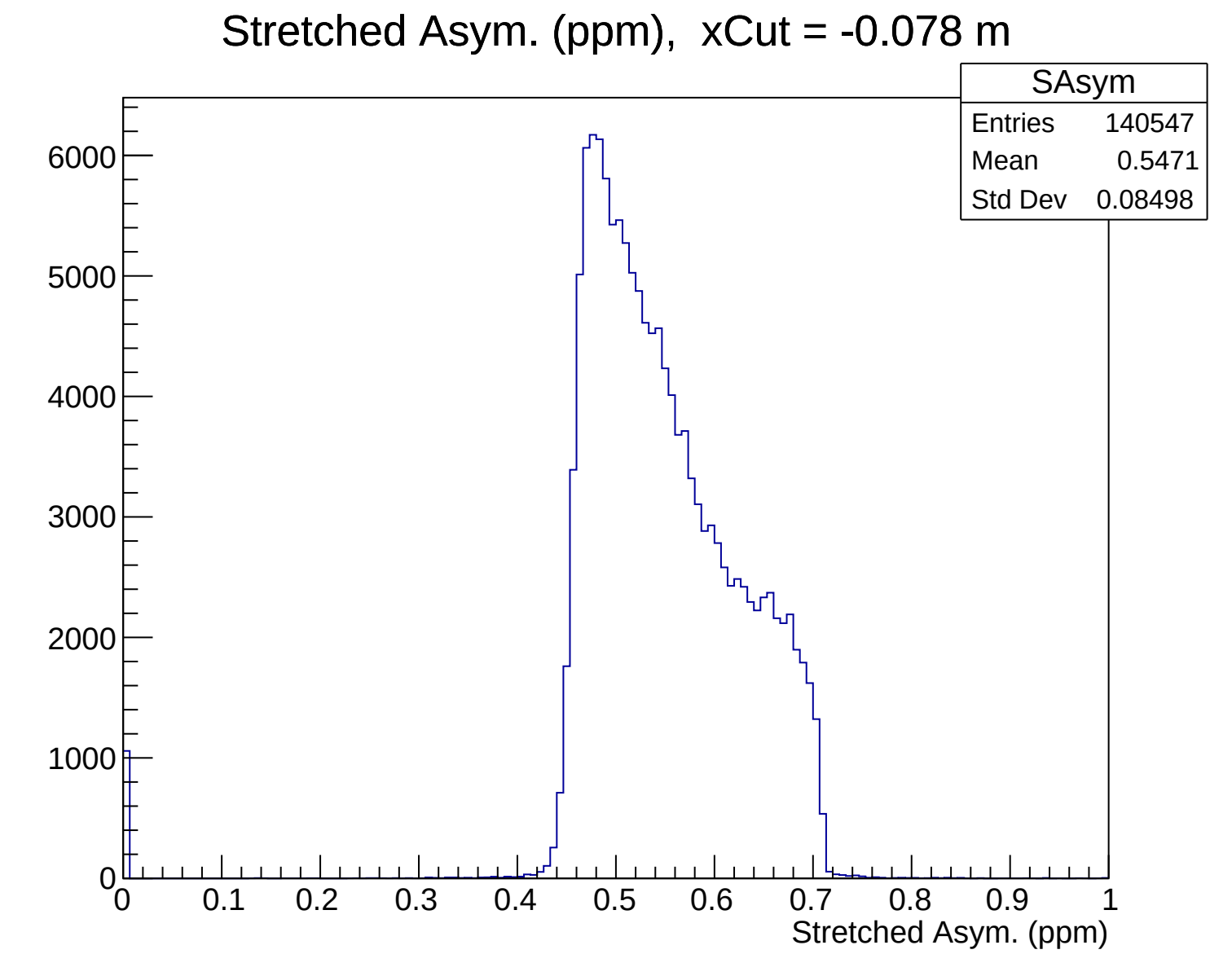

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

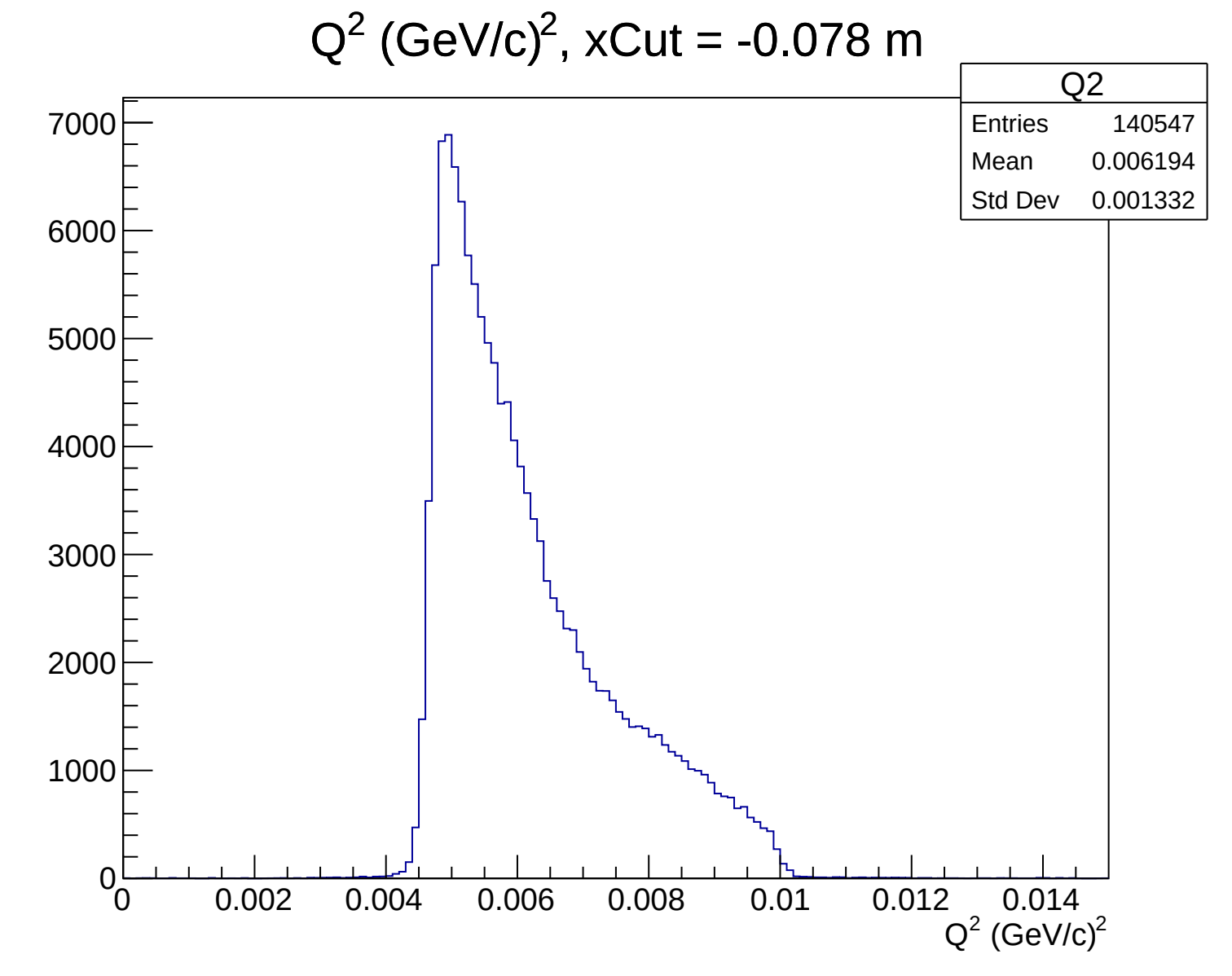

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.078
L.tr.x[0]+1.3*L.tr.th[0] (m)

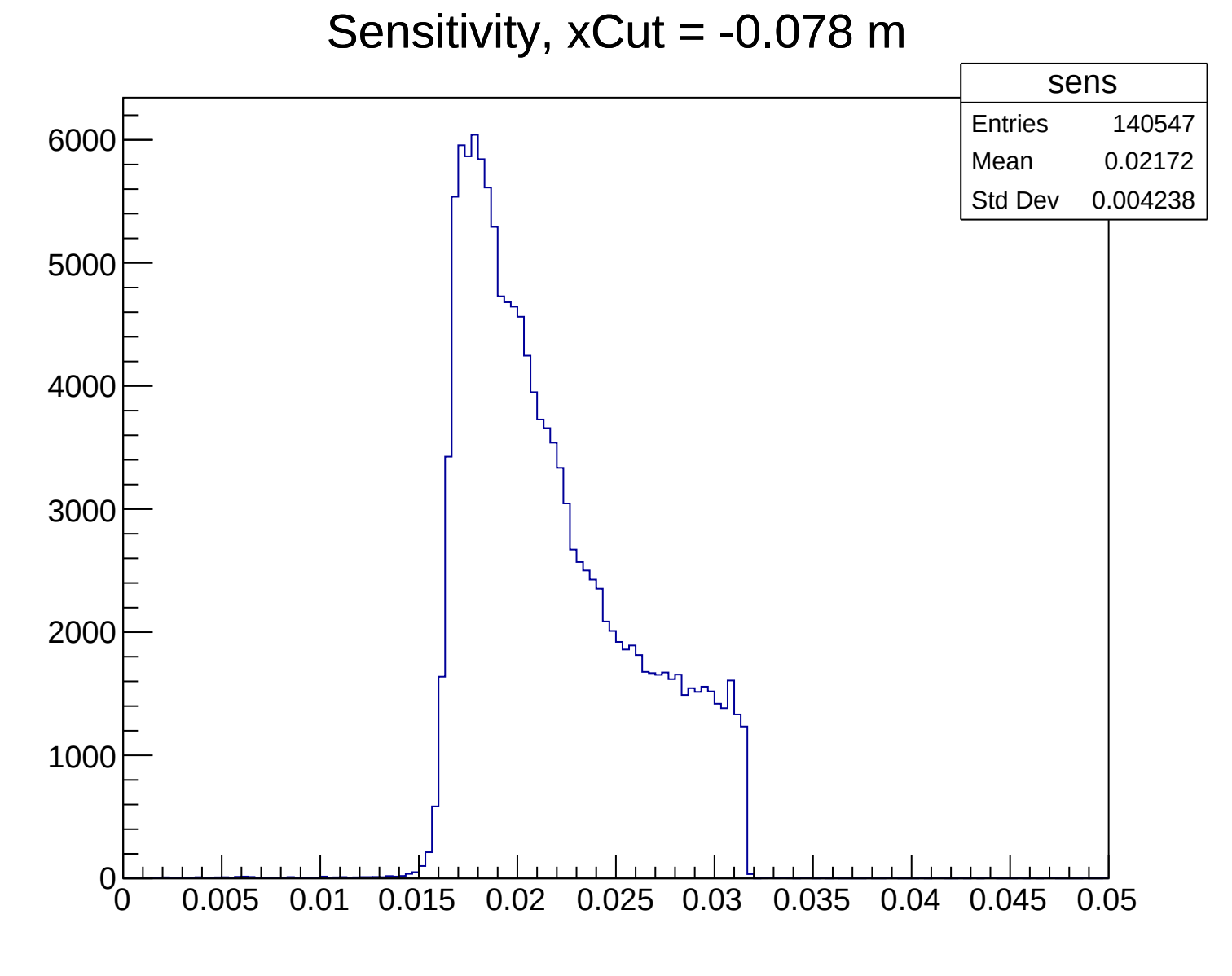

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

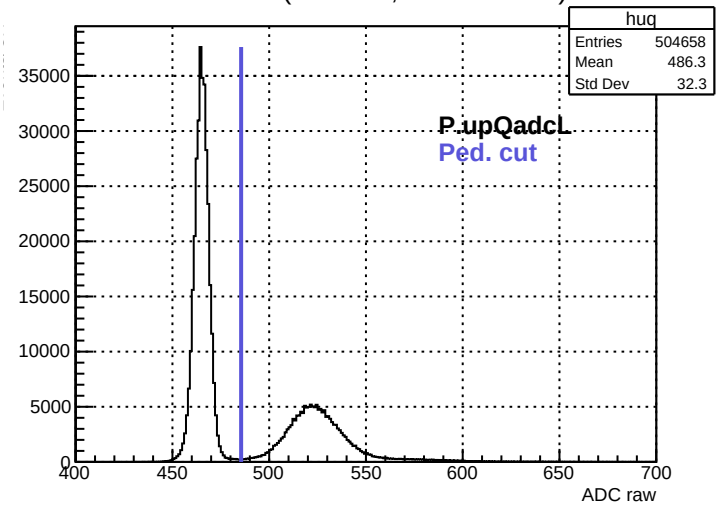

θlab (deg), xCut = -0.078 m
Theta
Entries 140547
Mean 4.734
Std Dev 0.4942
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

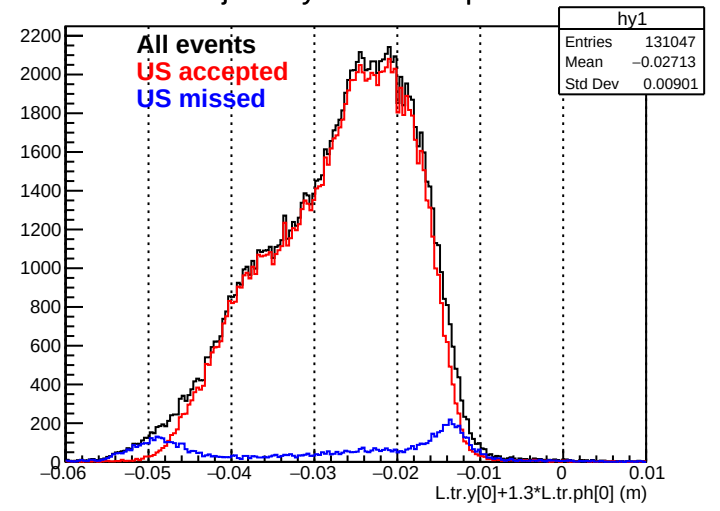

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 140547
Mean 0.5595
Std Dev 0.08899
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

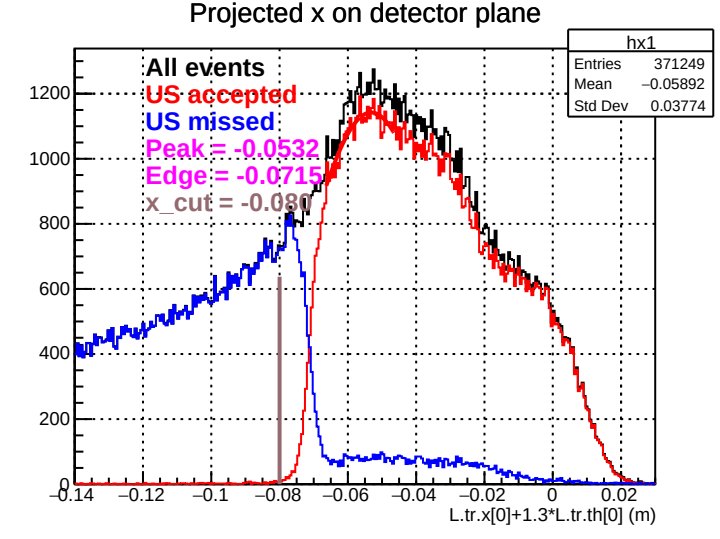

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 140547
Mean 0.5471
Std Dev 0.08498
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

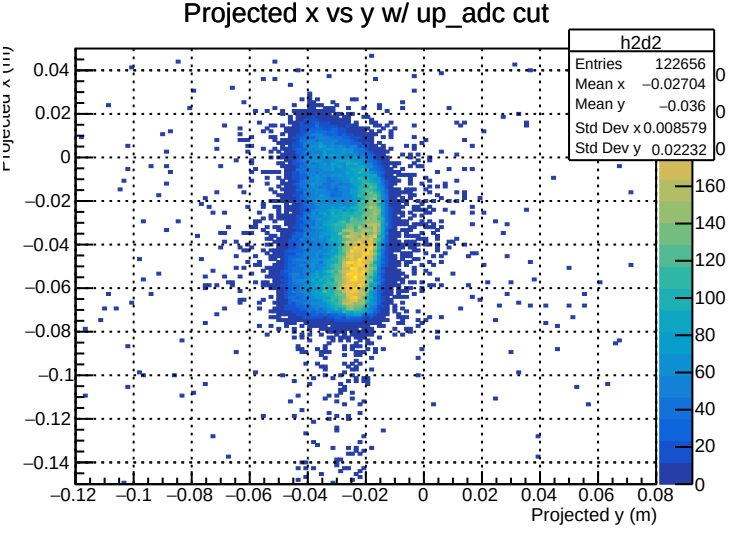

Q^2 $(GeV/c)^2$, xCut = -0.078 m
Q2
Entries 140547
Mean 0.006194
Std Dev 0.001332
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

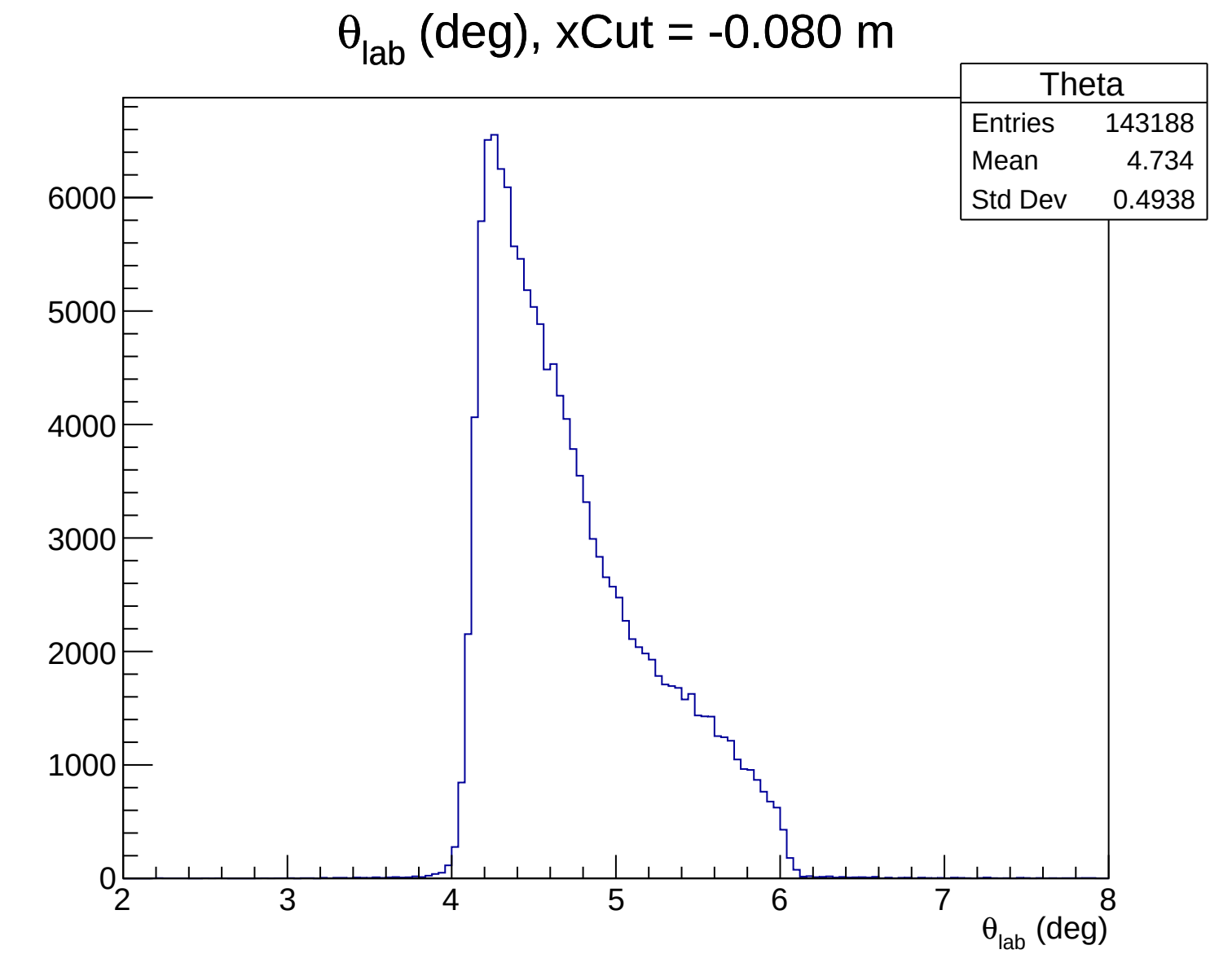

Sensitivity, xCut = -0.078 m
sens
Entries 140547
Mean 0.02172
Std Dev 0.004238
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

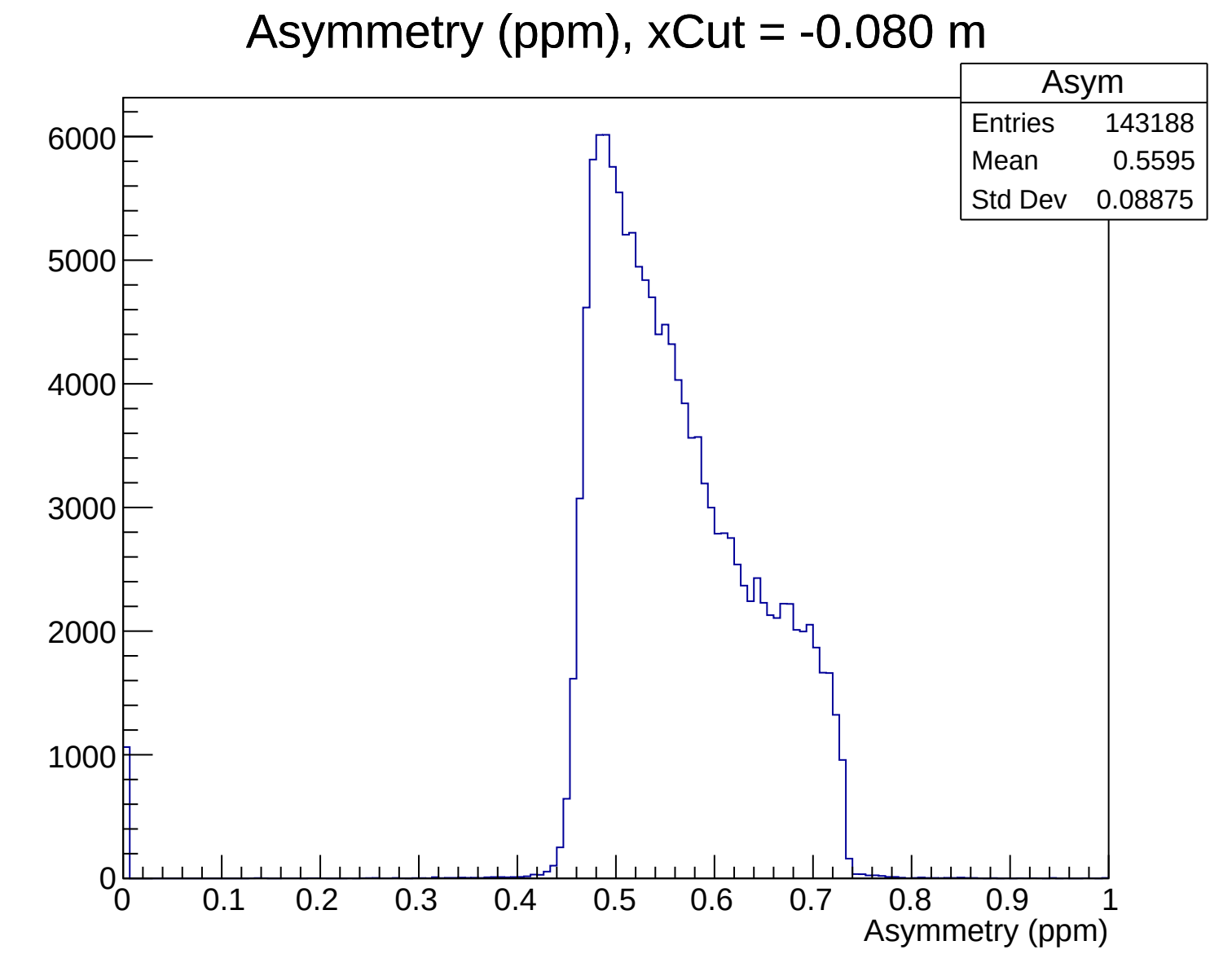

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

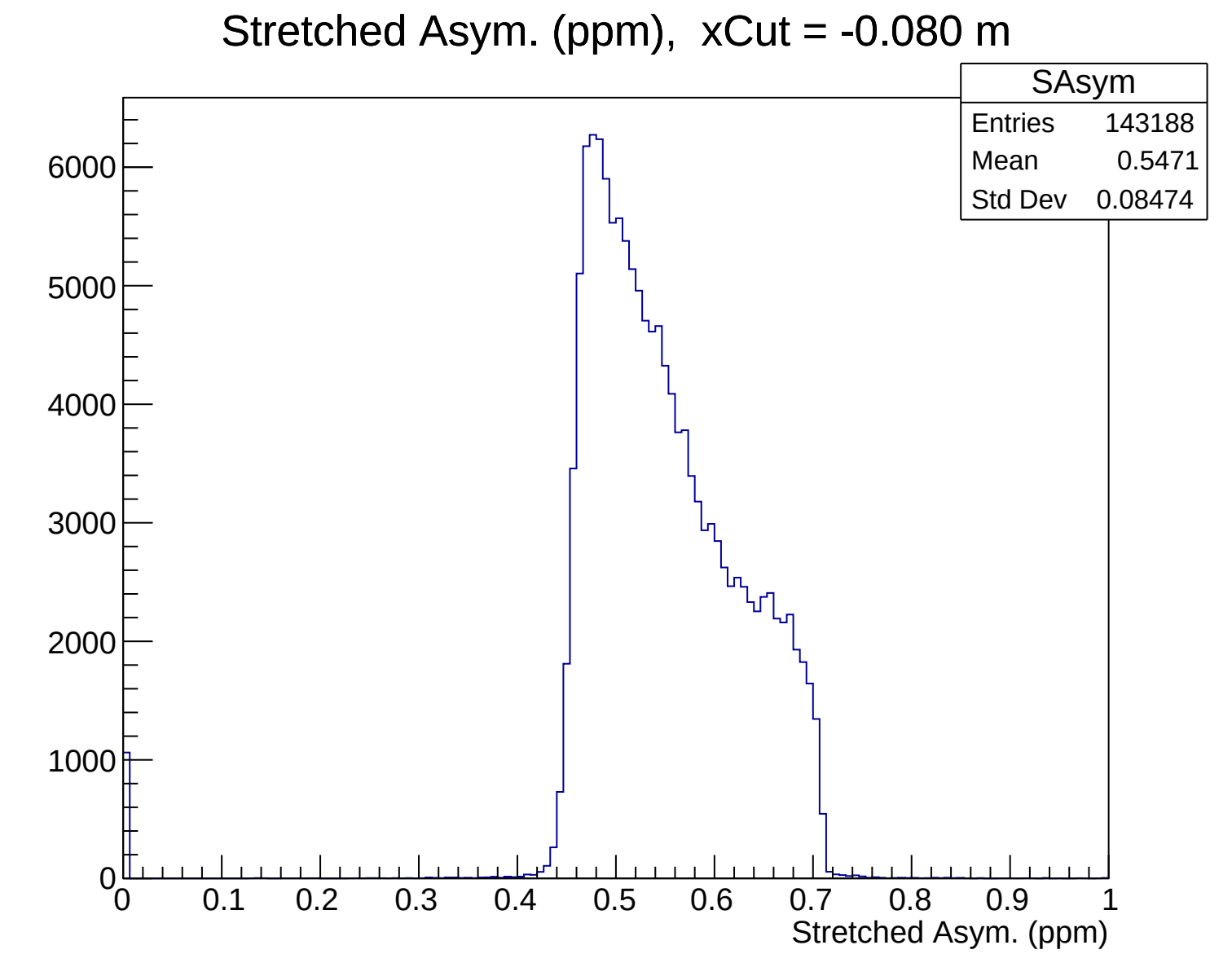

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

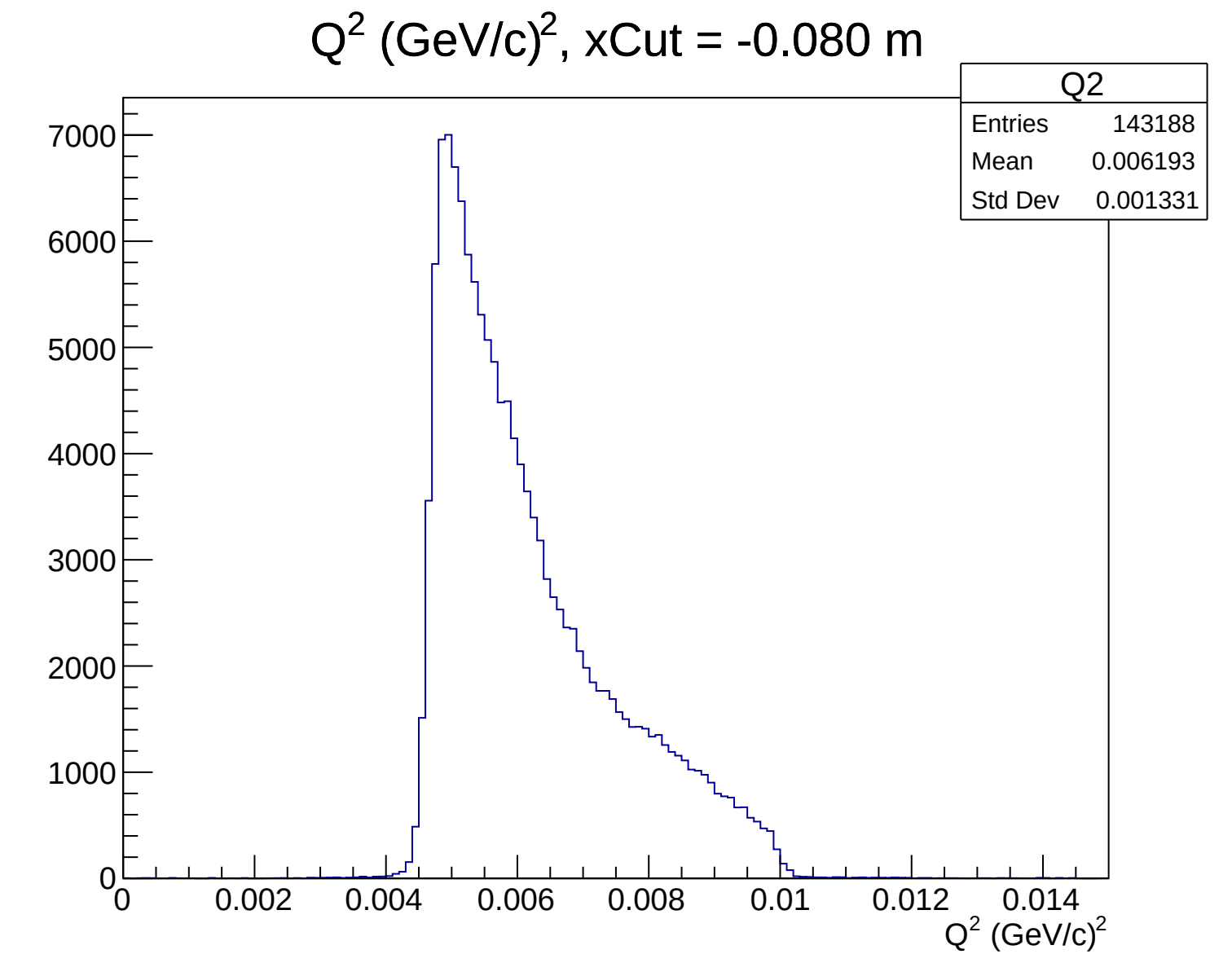

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.080
L.tr.x[0]+1.3*L.tr.th[0] (m)

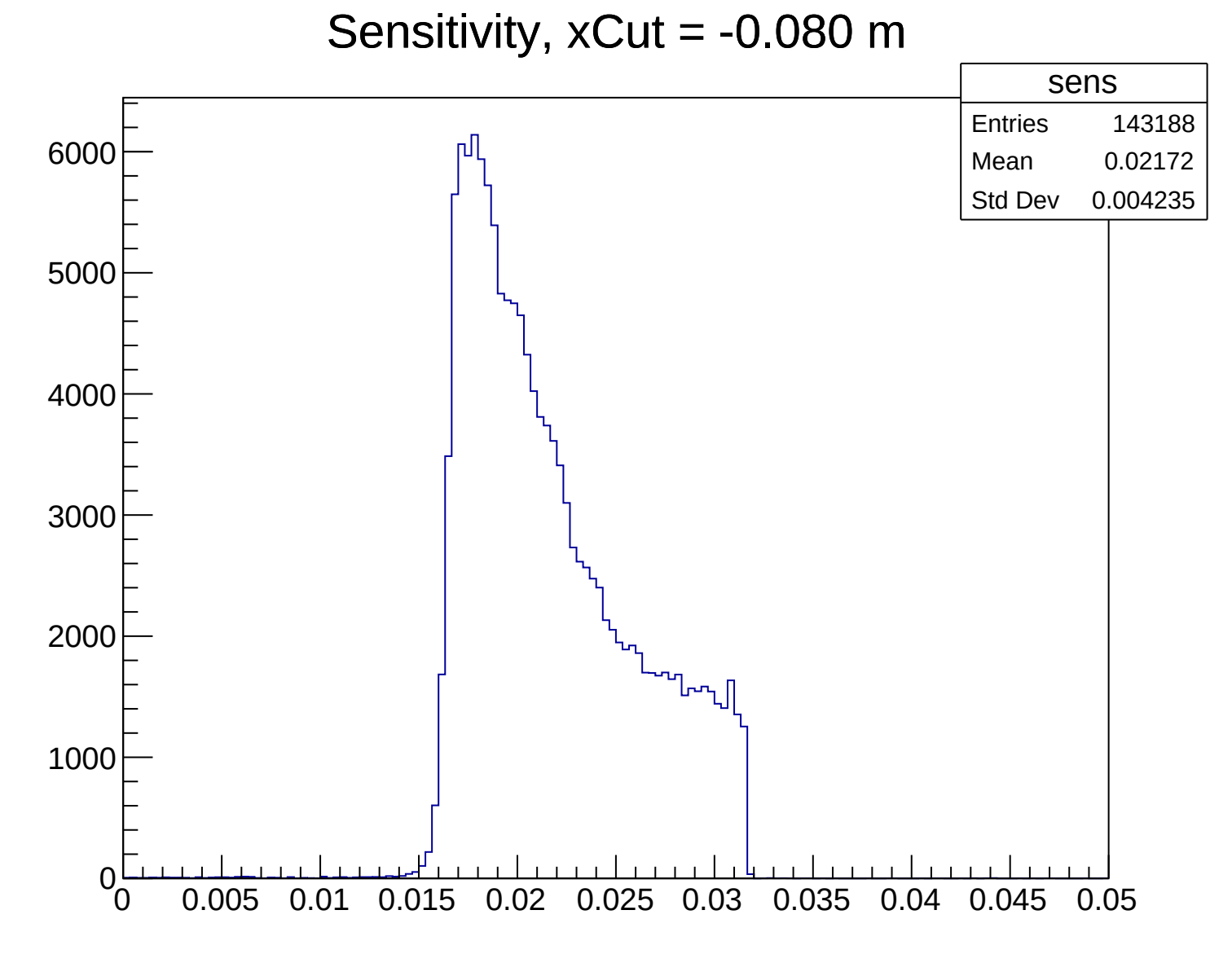

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

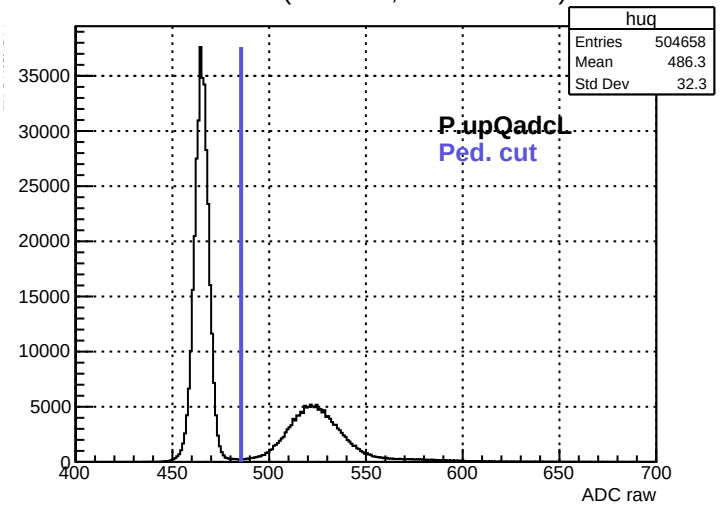

θlab (deg), xCut = -0.080 m
Theta
Entries 143188
Mean 4.734
Std Dev 0.4938
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

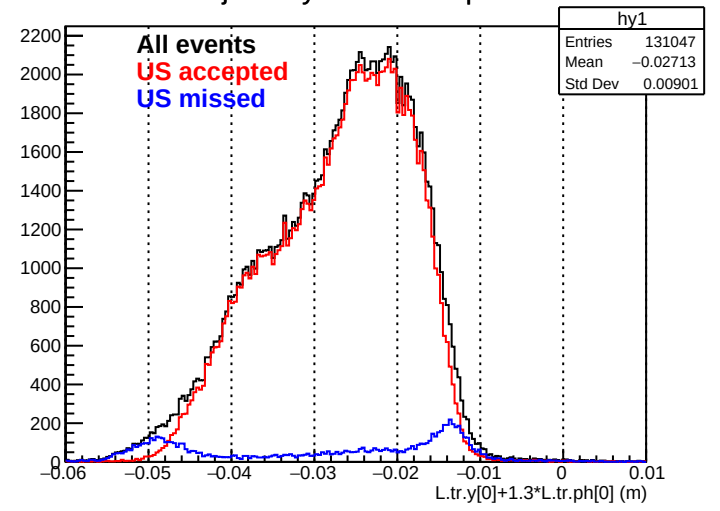

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 143188
Mean 0.5595
Std Dev 0.08875
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

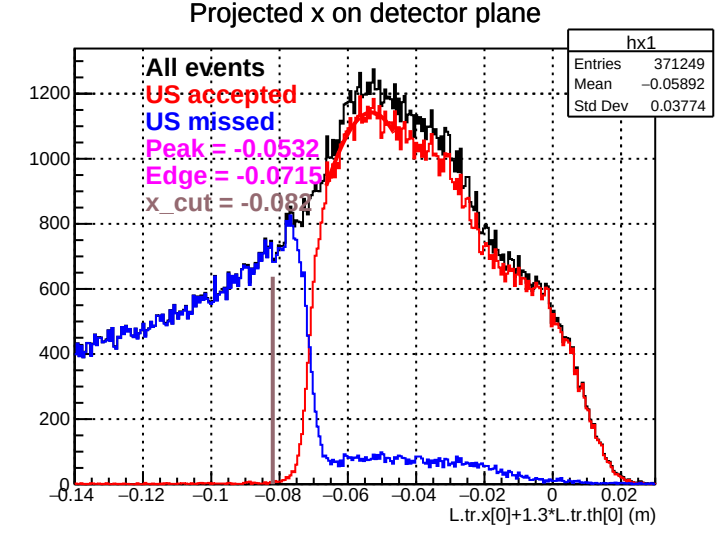

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 143188
Mean 0.5471
Std Dev 0.08474
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

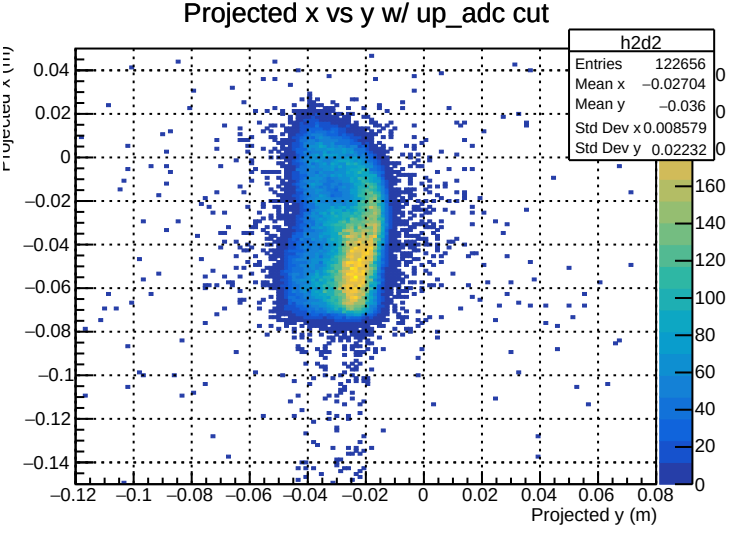

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 143188
Mean 0.006193
Std Dev 0.001331
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

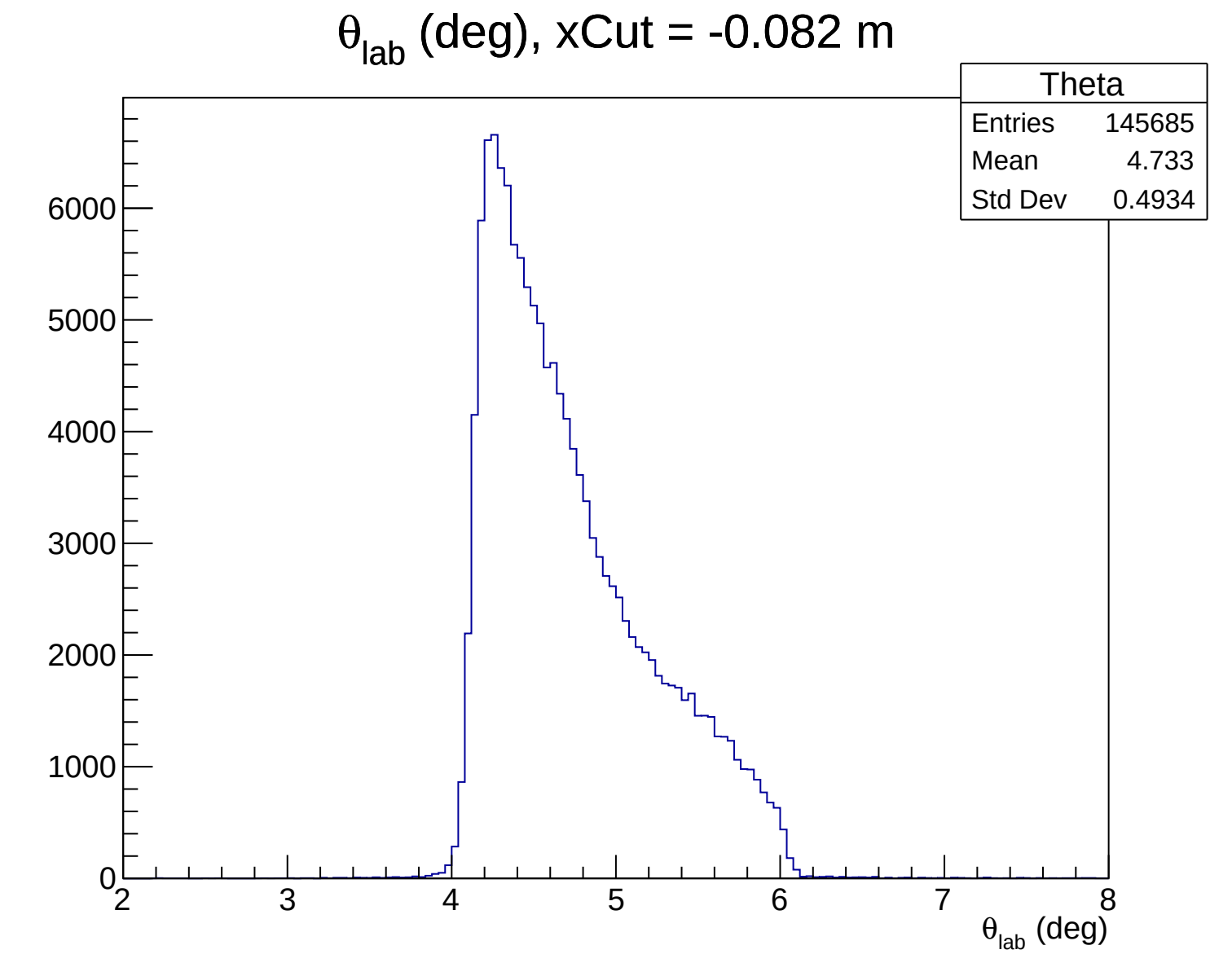

Sensitivity, xCut = -0.080 m
sens
Entries 143188
Mean 0.02172
Std Dev 0.004235
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

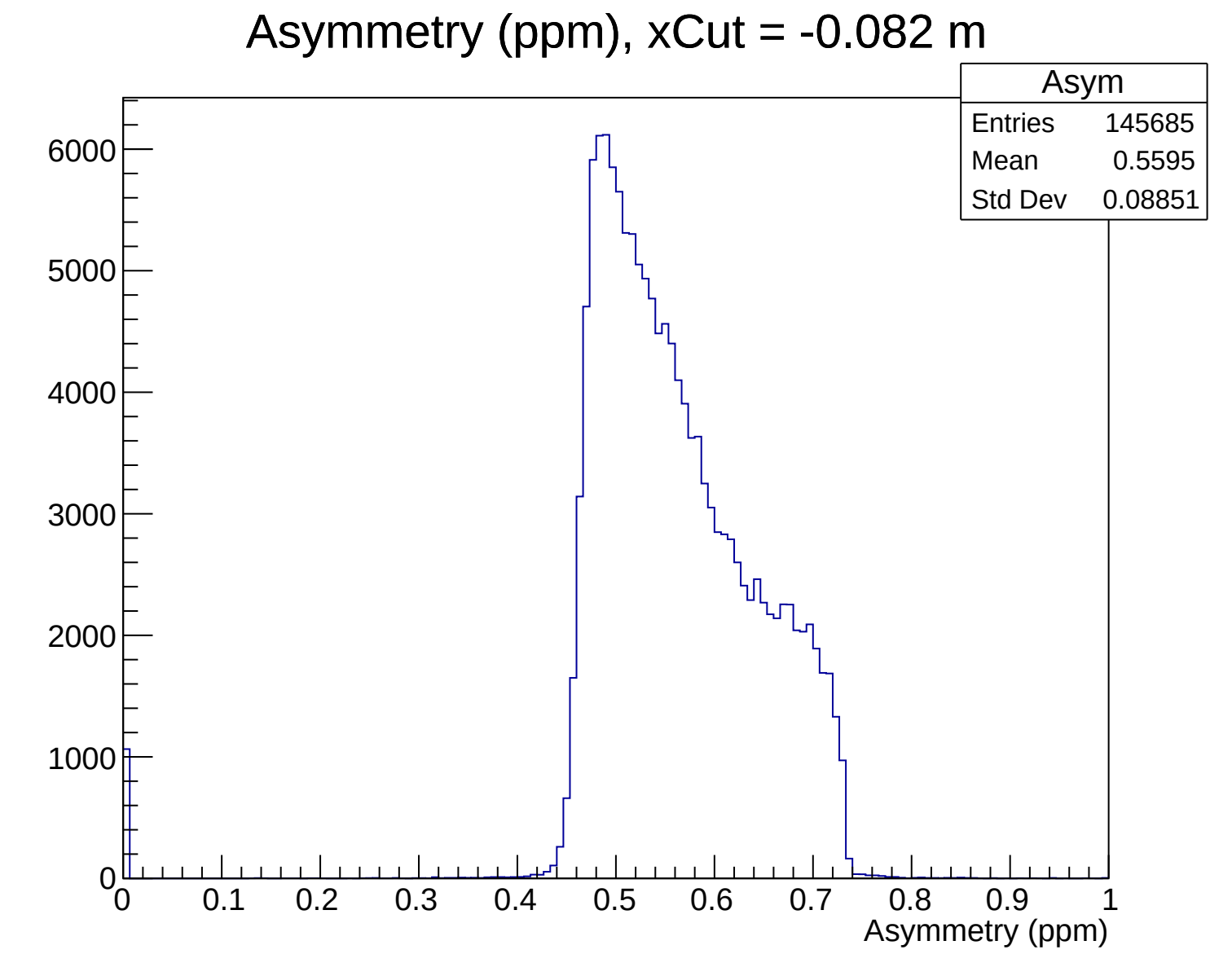

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

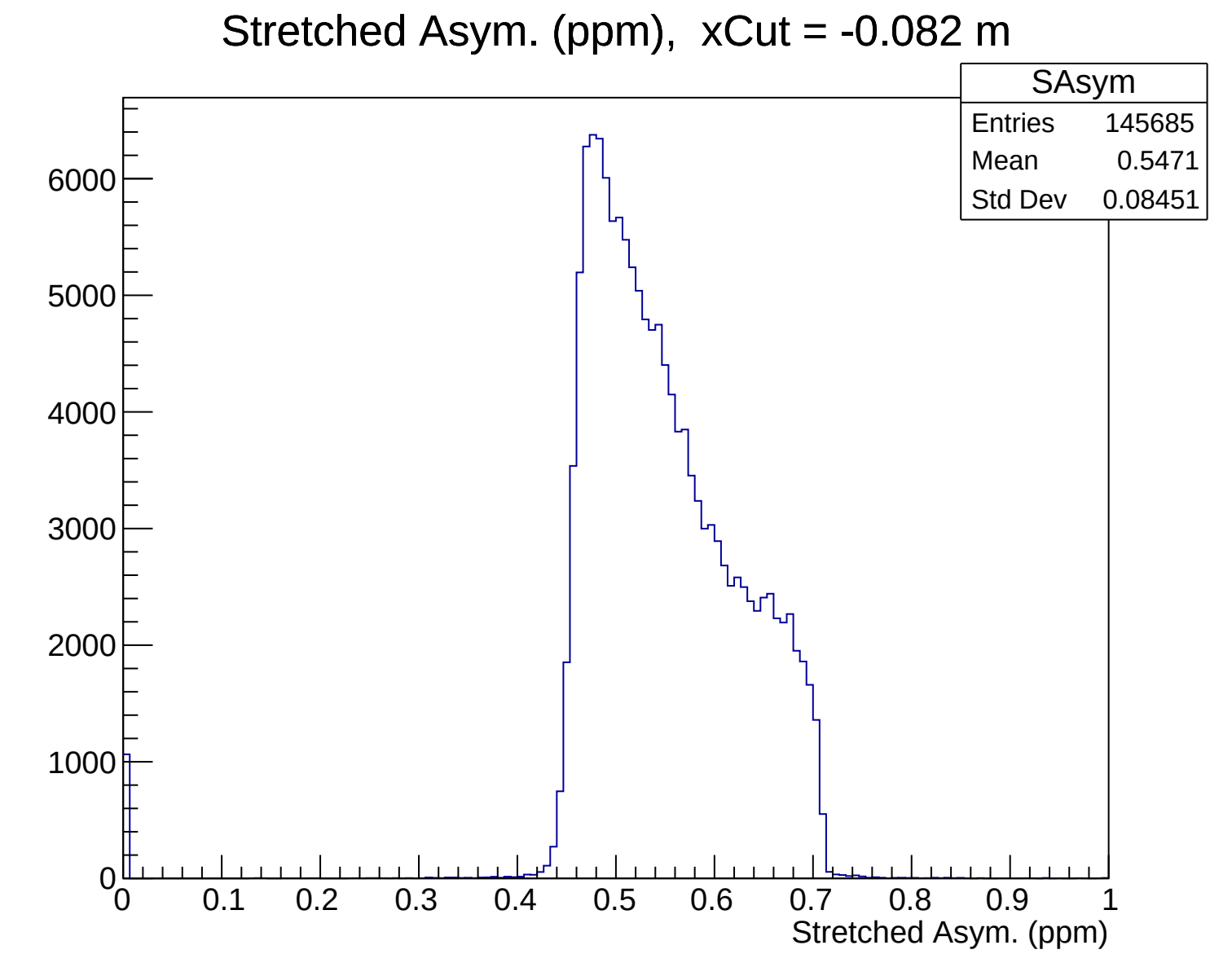

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

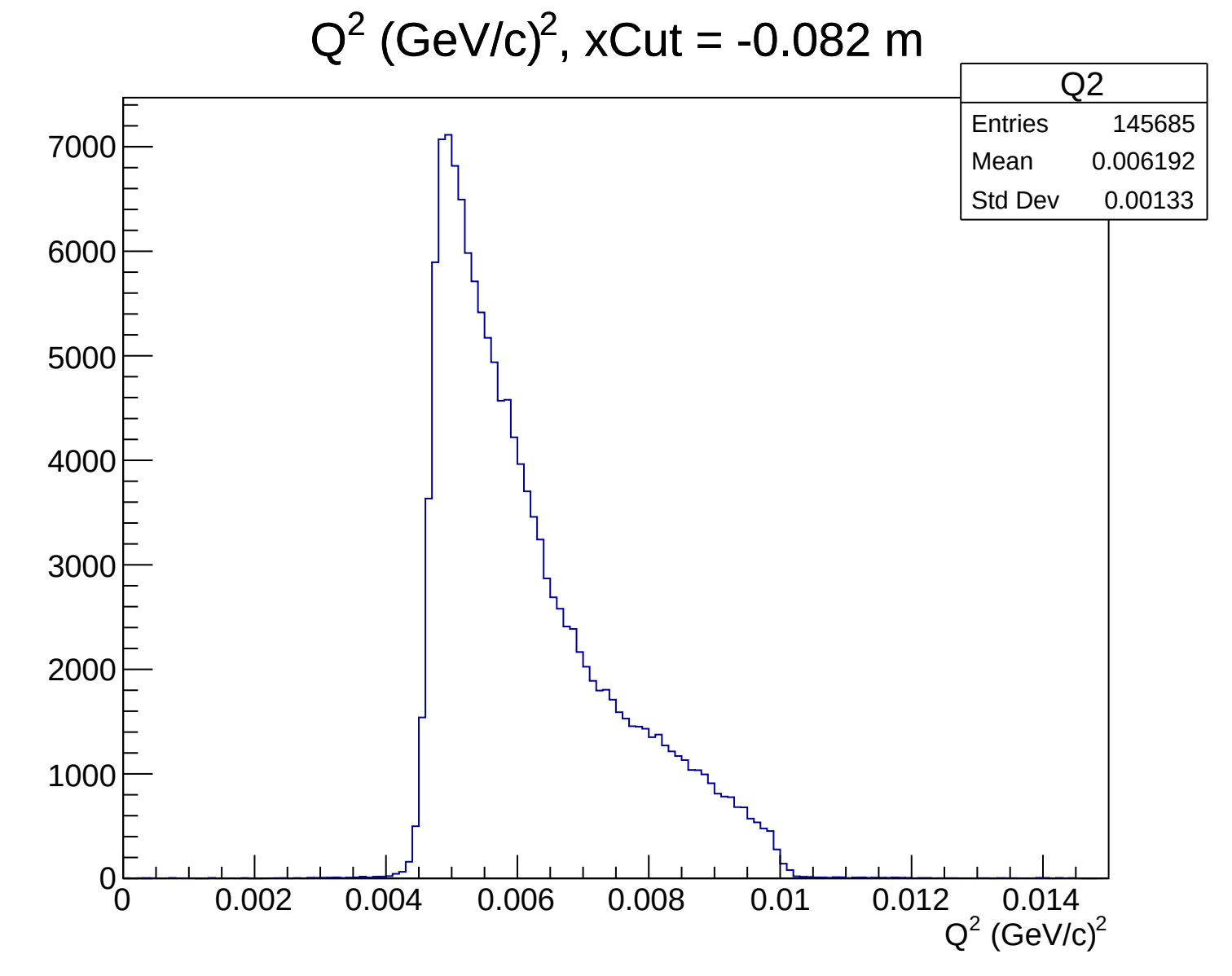

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

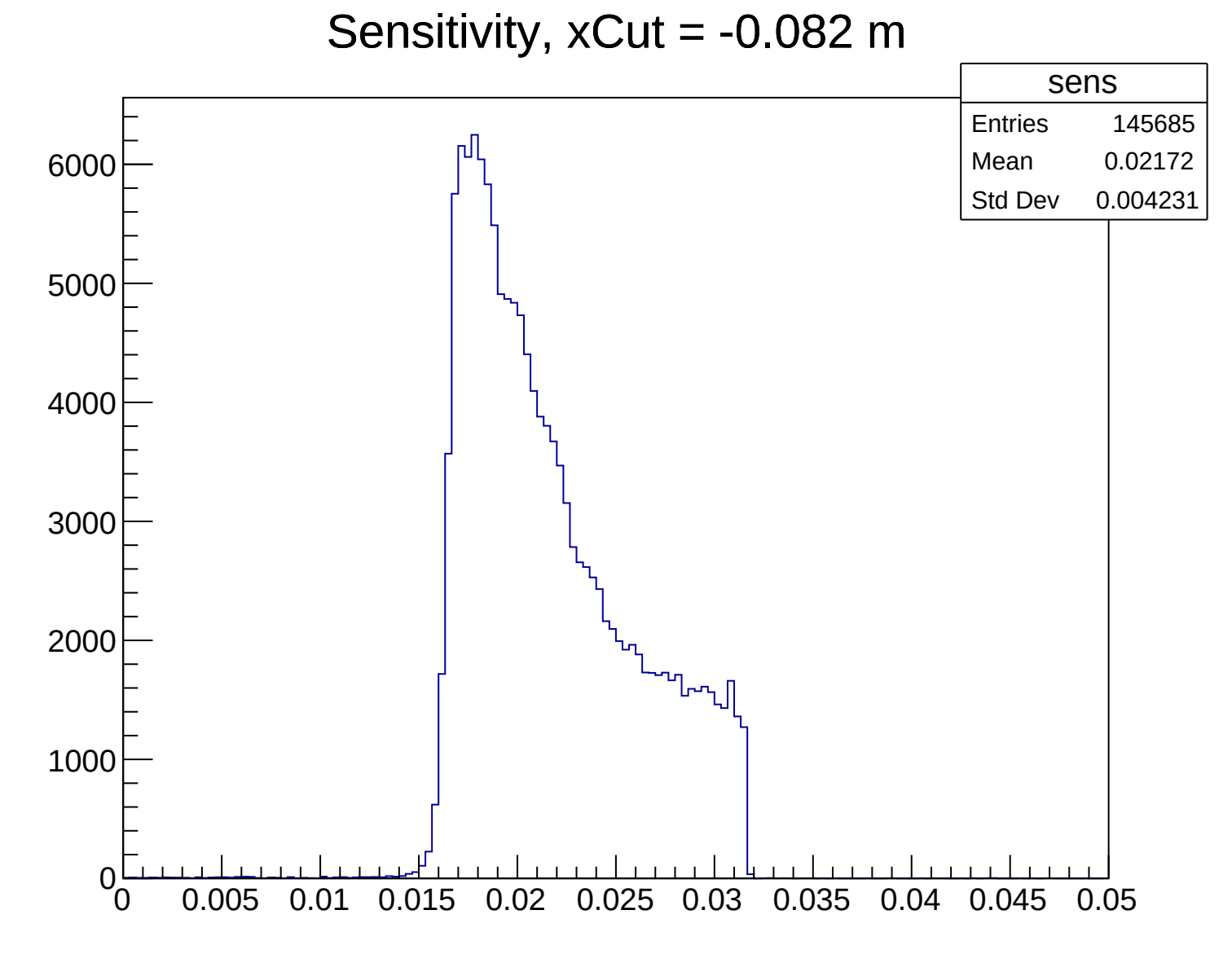

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

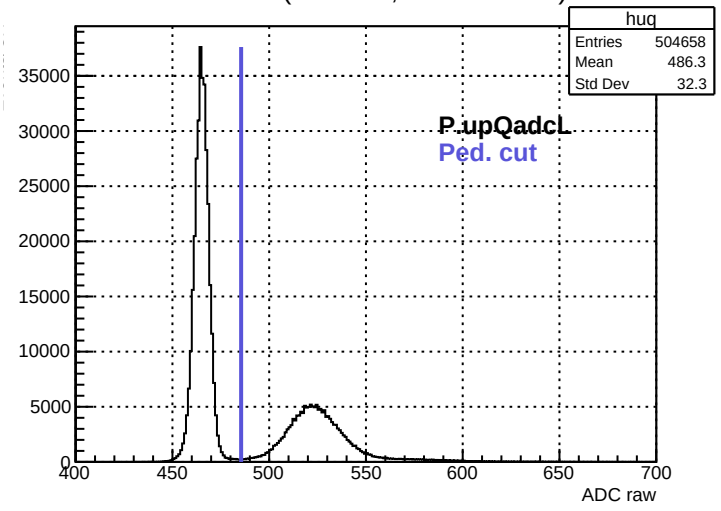

θlab (deg), xCut = -0.082 m
Theta
Entries 145685
Mean 4.733
Std Dev 0.4934
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

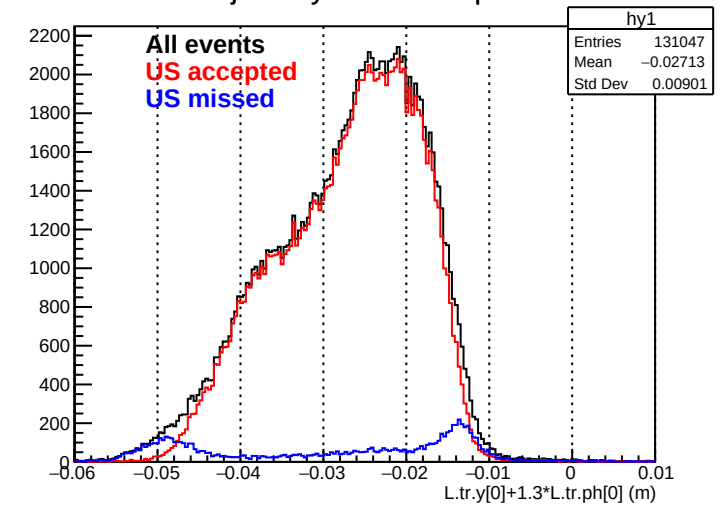

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 145685
Mean 0.5595
Std Dev 0.08851
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

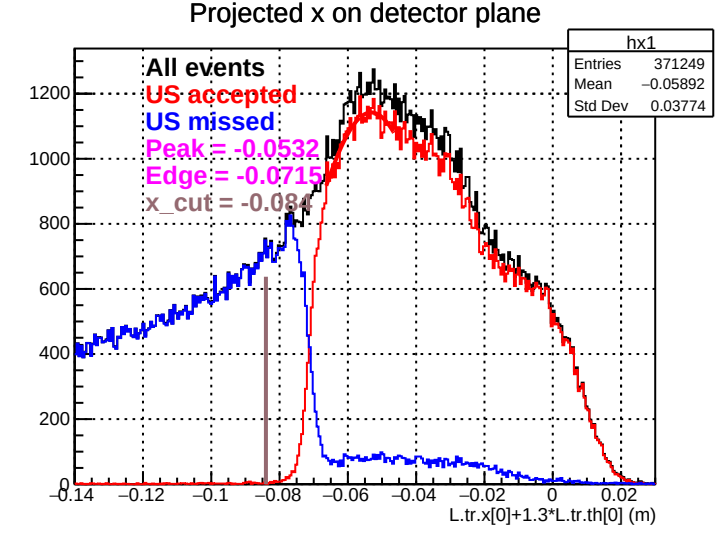

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 145685
Mean 0.5471
Std Dev 0.08451
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

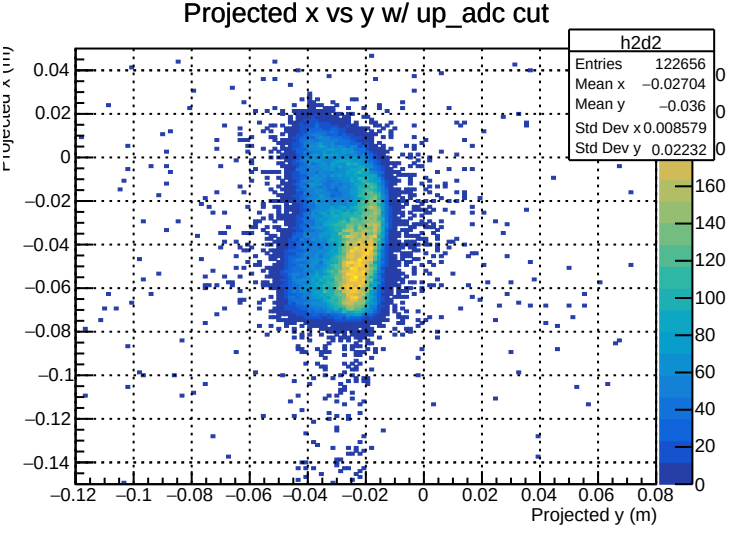

Q^2 $(GeV/c)^2$, xCut = -0.082 m
Q2
Entries 145685
Mean 0.006192
Std Dev 0.00133
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

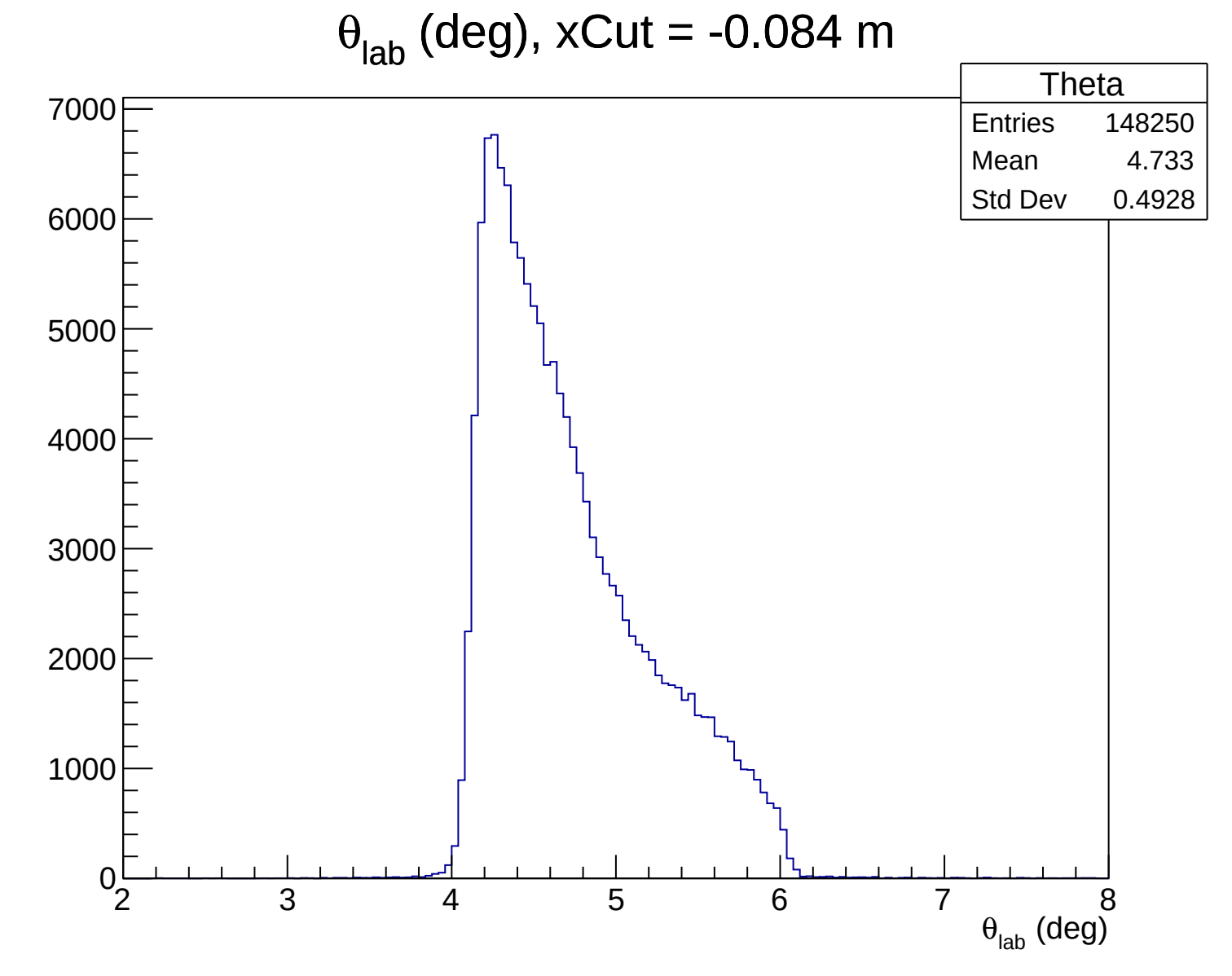

Sensitivity, xCut = -0.082 m
sens
Entries 145685
Mean 0.02172
Std Dev 0.004231
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

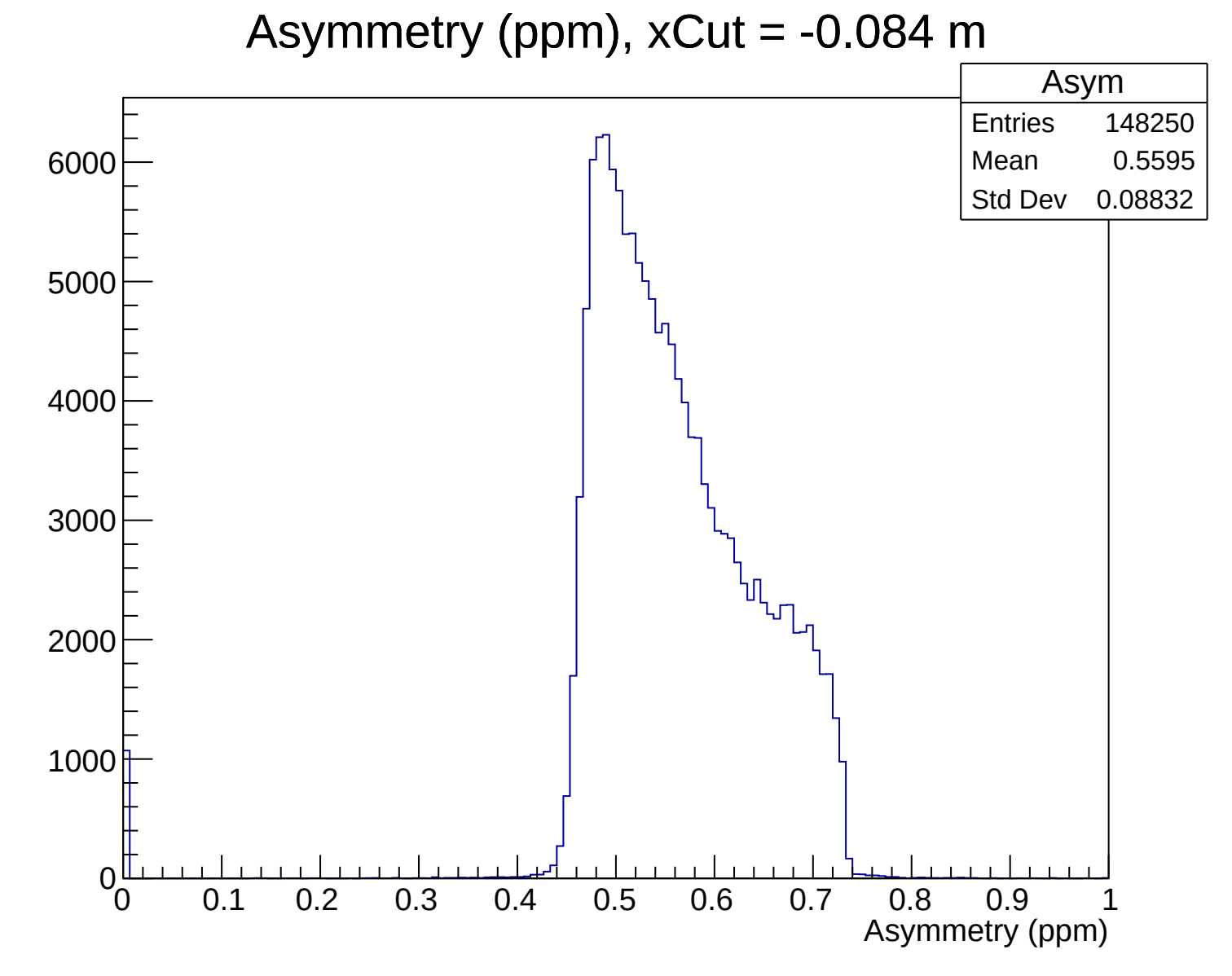

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

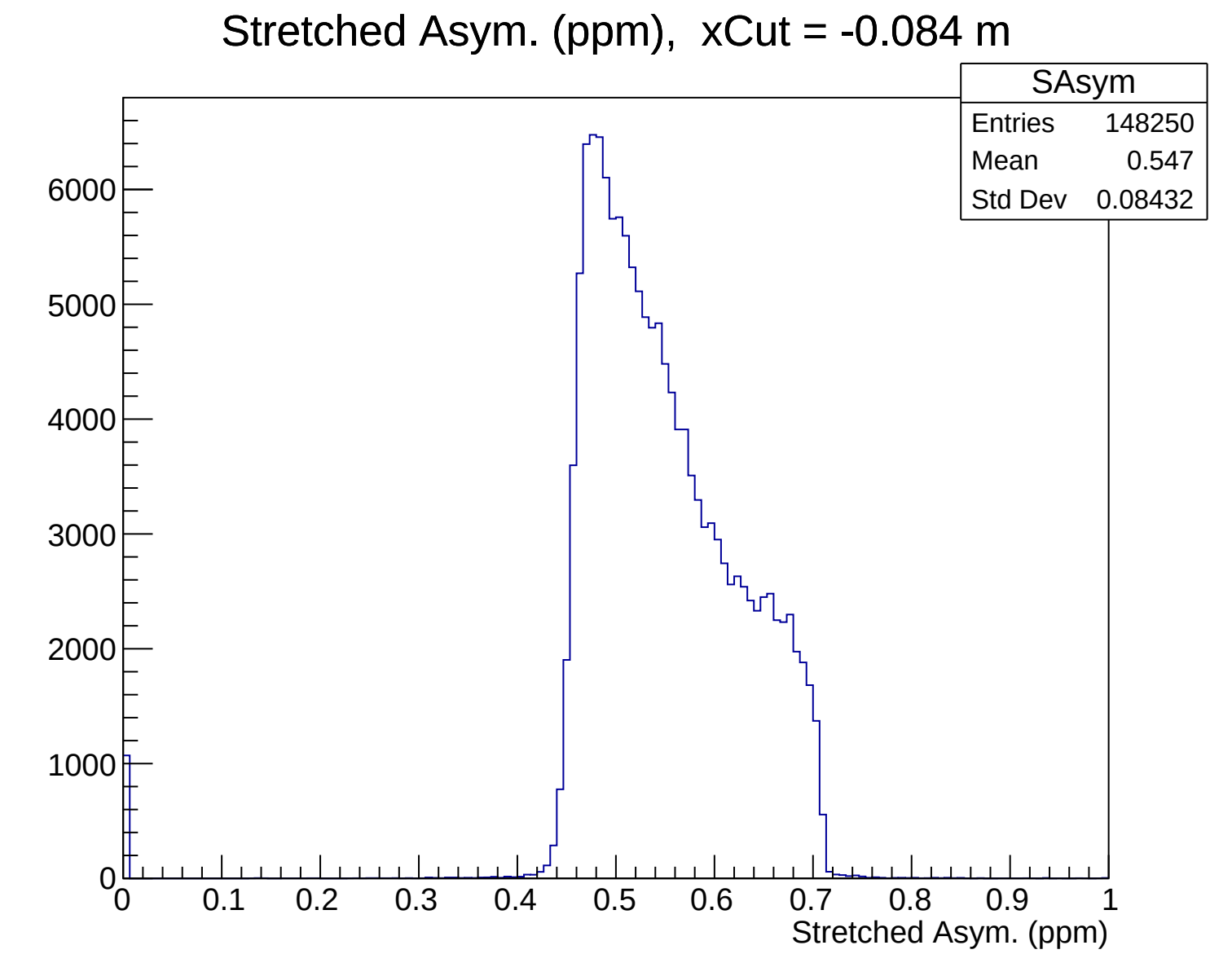

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

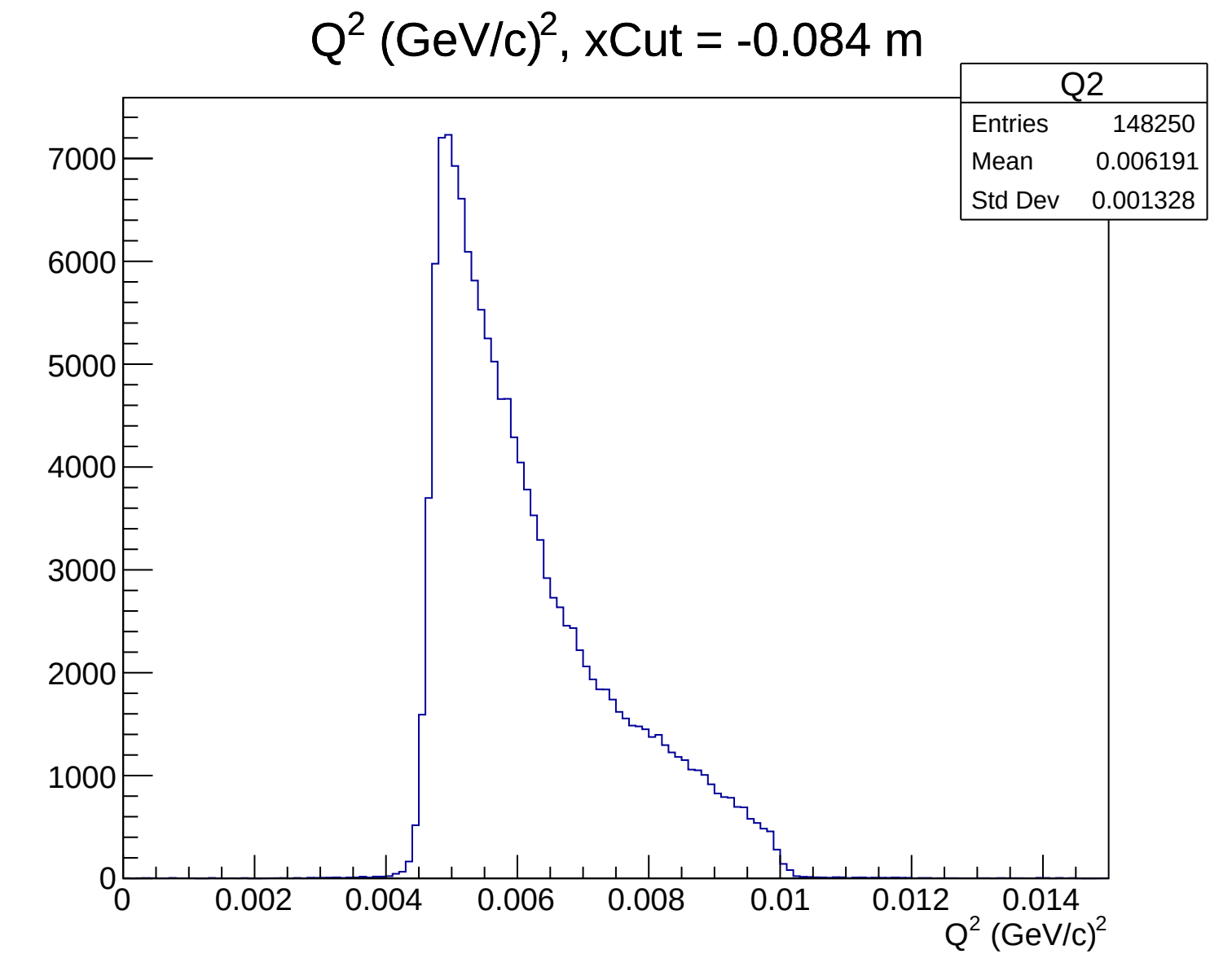

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.084
L.tr.x[0]+1.3*L.tr.th[0] (m)

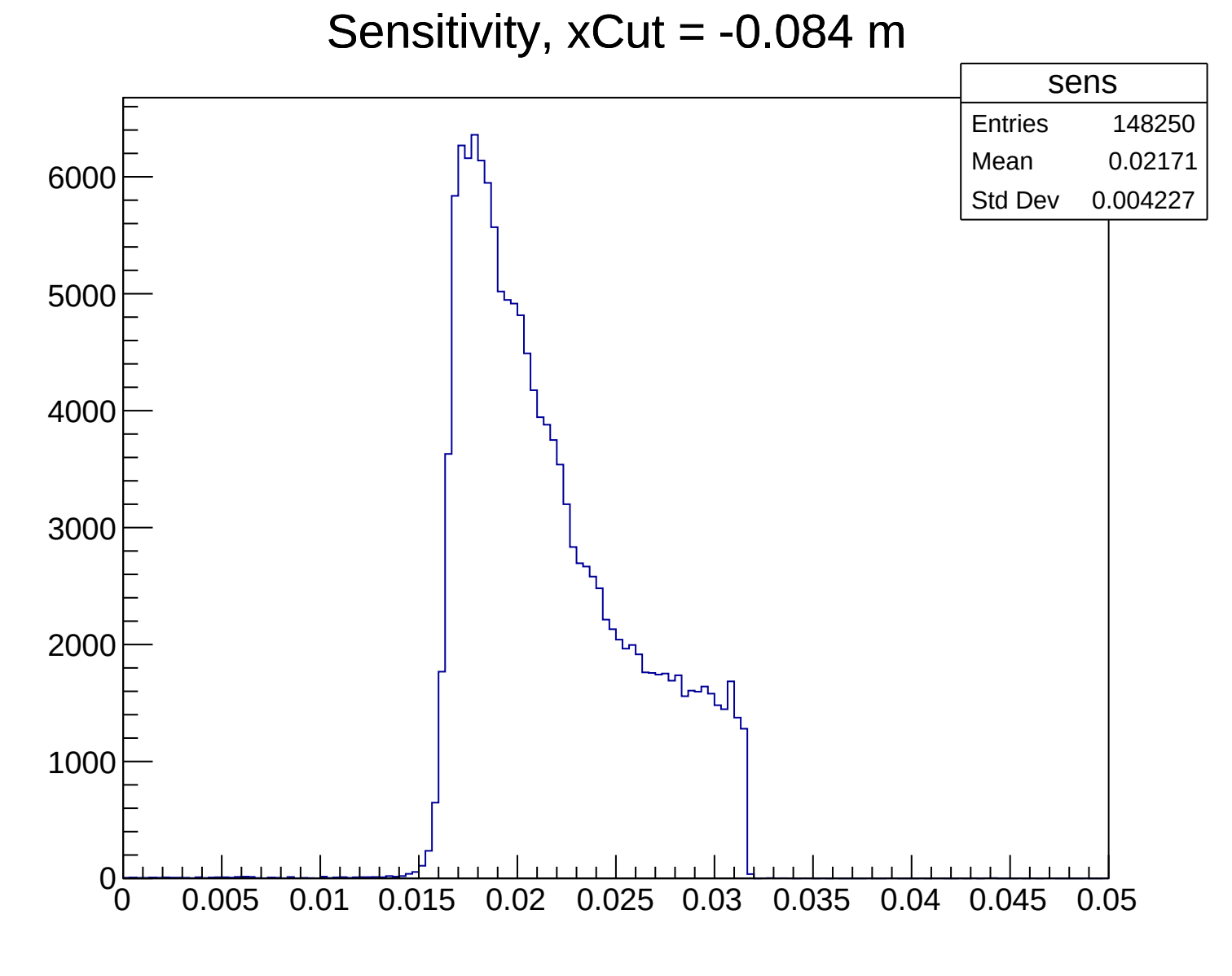

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

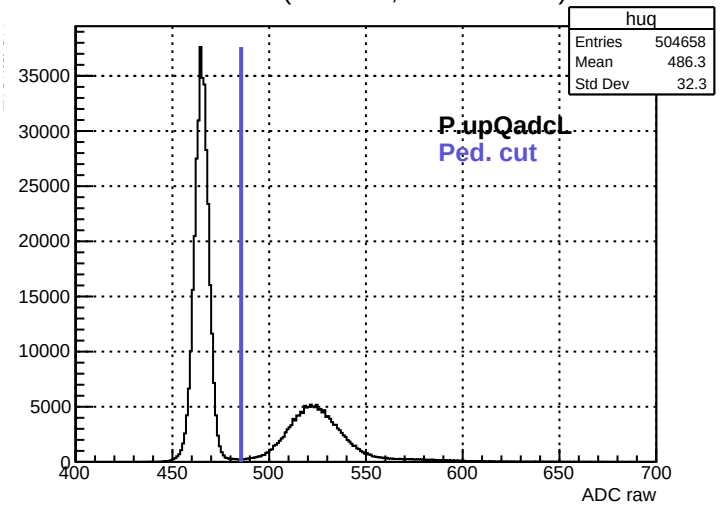

θlab (deg), xCut = -0.084 m
Theta
Entries 148250
Mean 4.733
Std Dev 0.4928
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

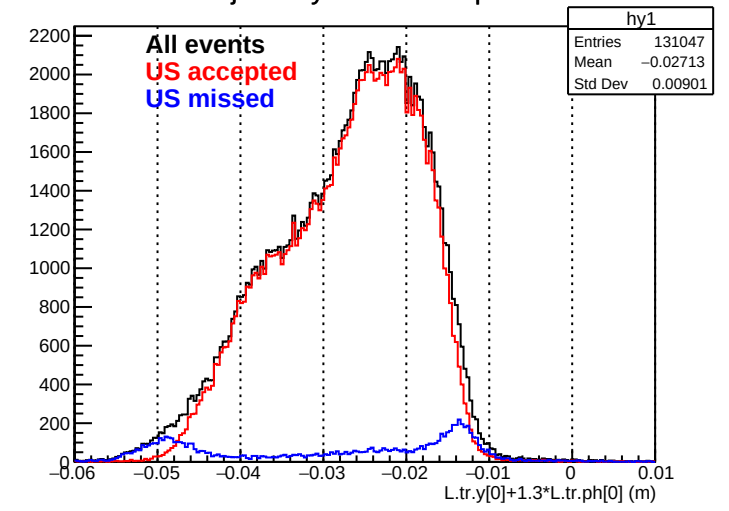

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 148250
Mean 0.5595
Std Dev 0.08832
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

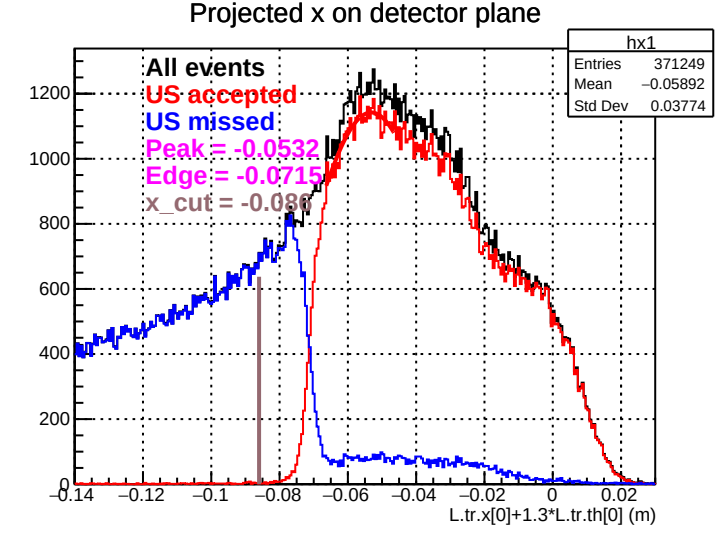

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 148250
Mean 0.547
Std Dev 0.08432
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

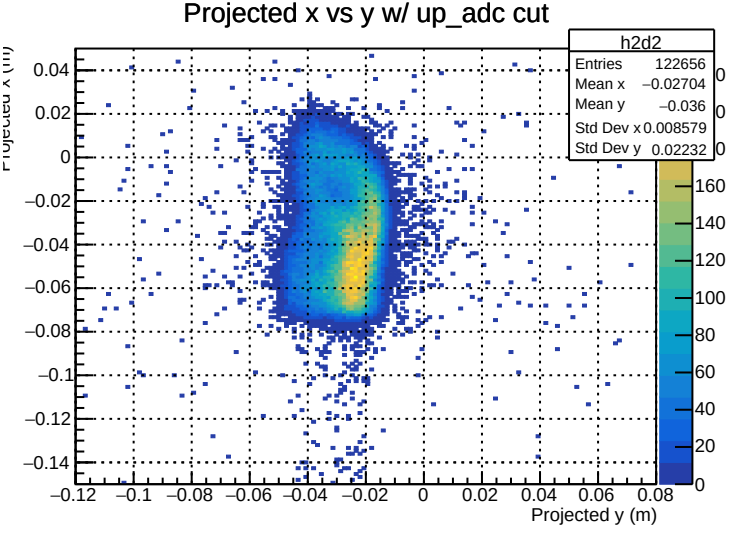

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 148250
Mean 0.006191
Std Dev 0.001328
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

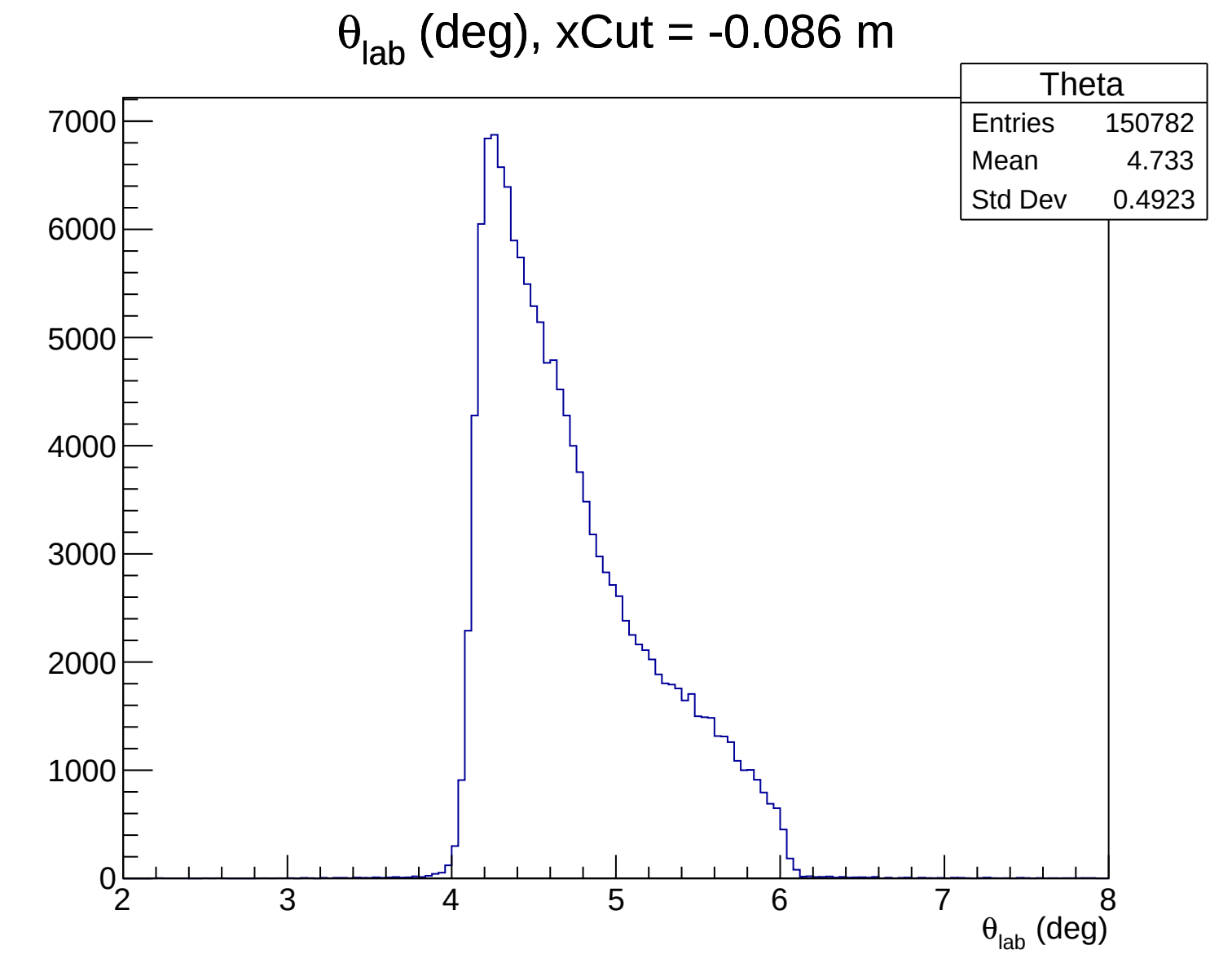

Sensitivity, xCut = -0.084 m
sens
Entries 148250
Mean 0.02171
Std Dev 0.004227
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

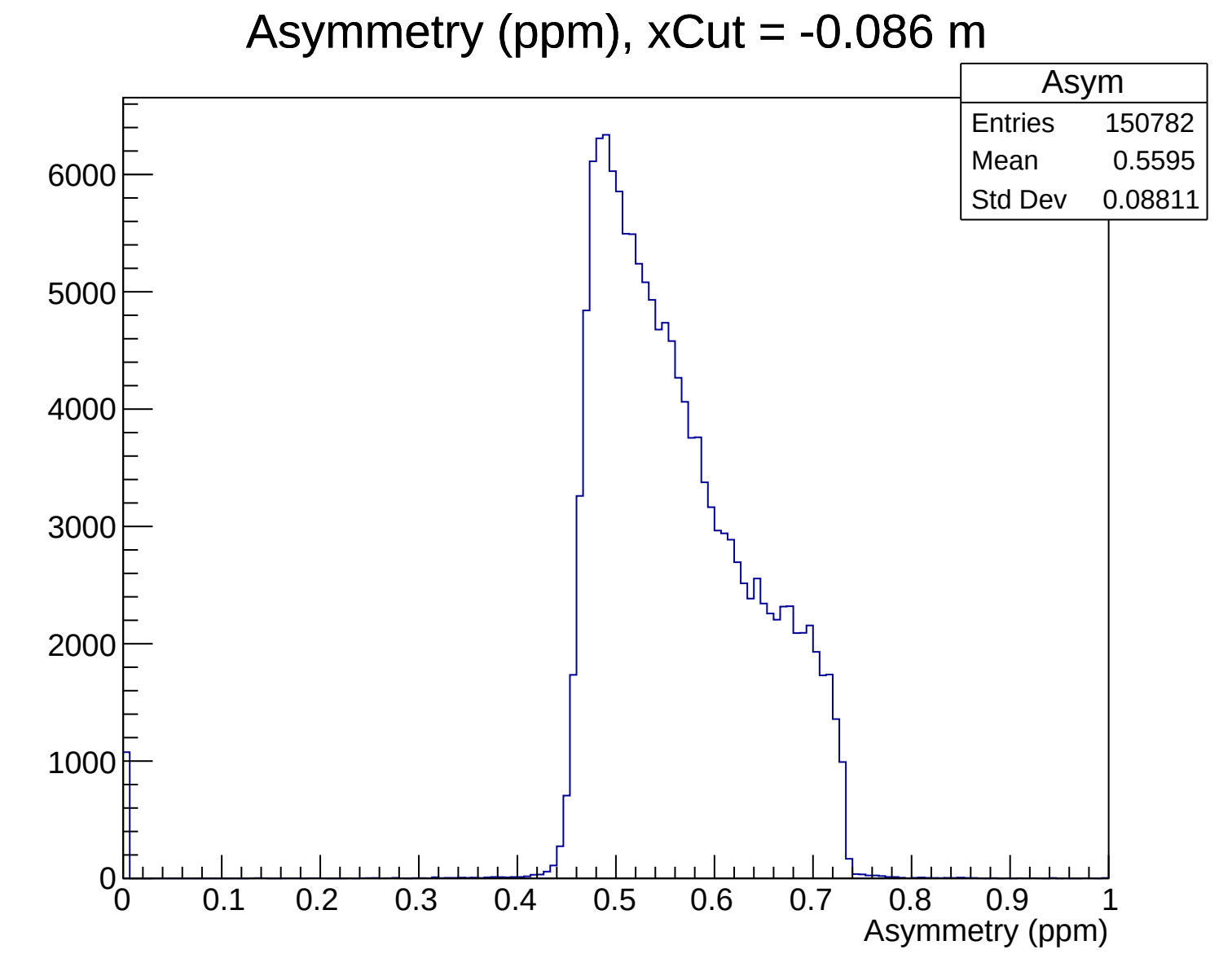

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

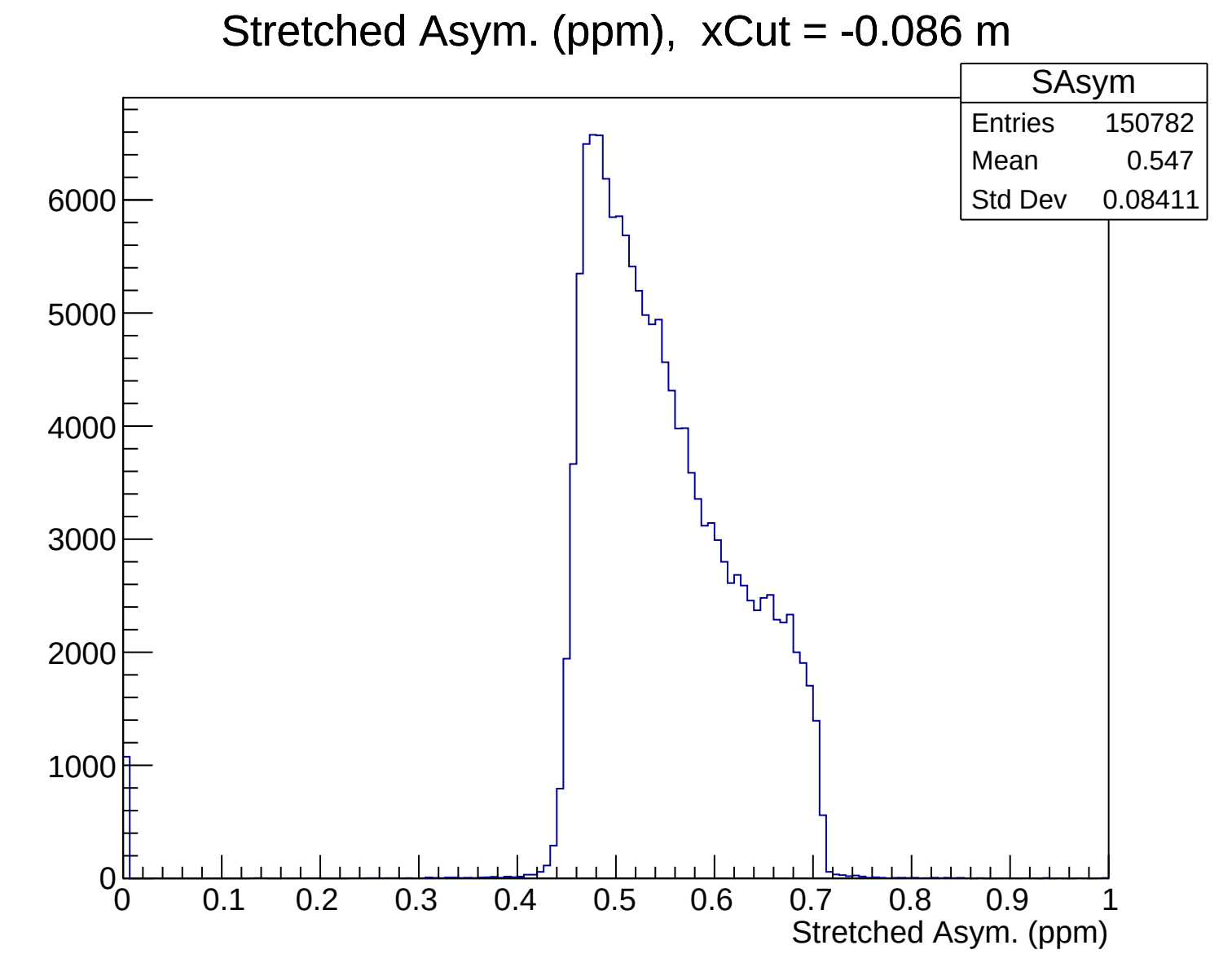

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

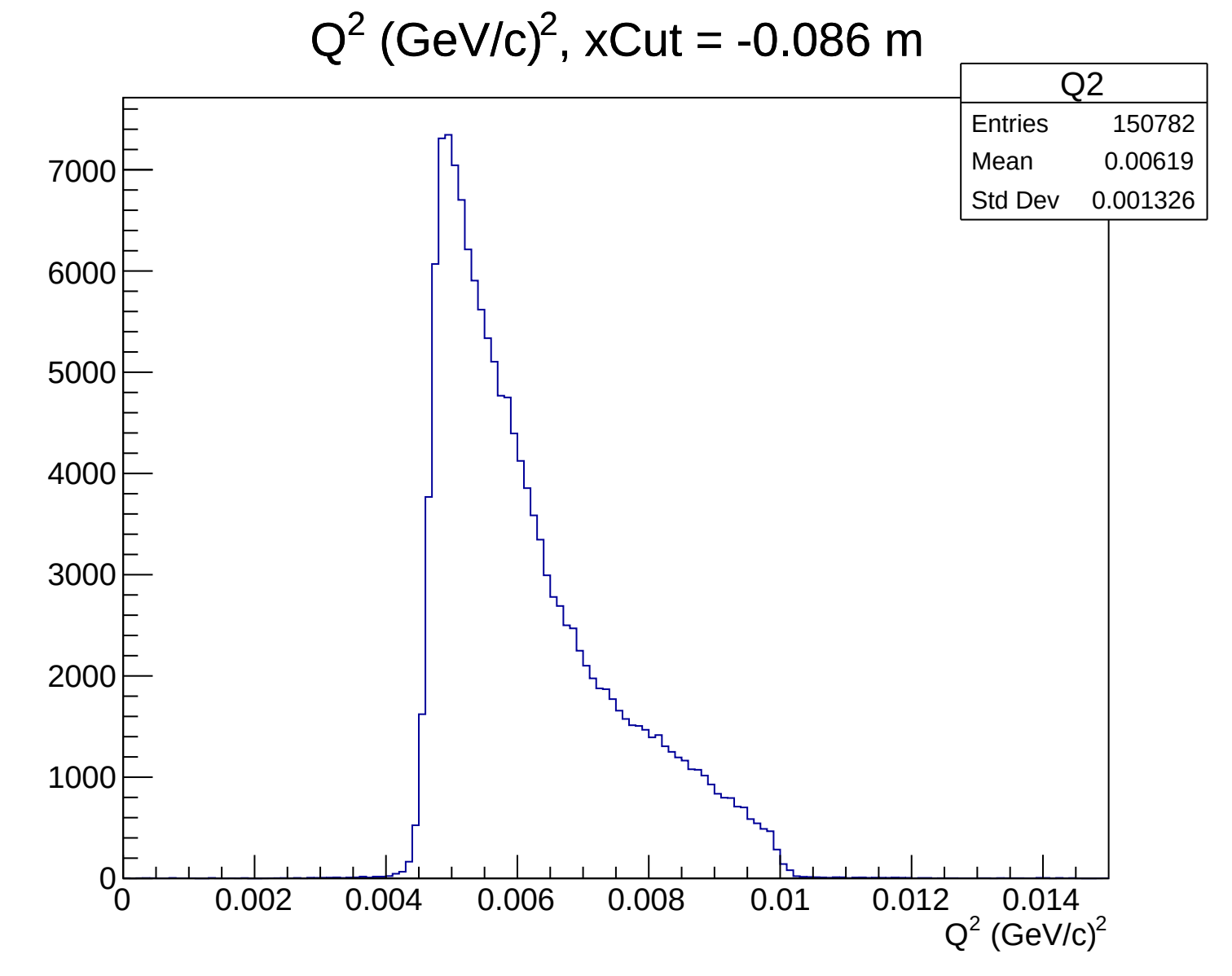

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.086
L.tr.x[0]+1.3*L.tr.th[0] (m)

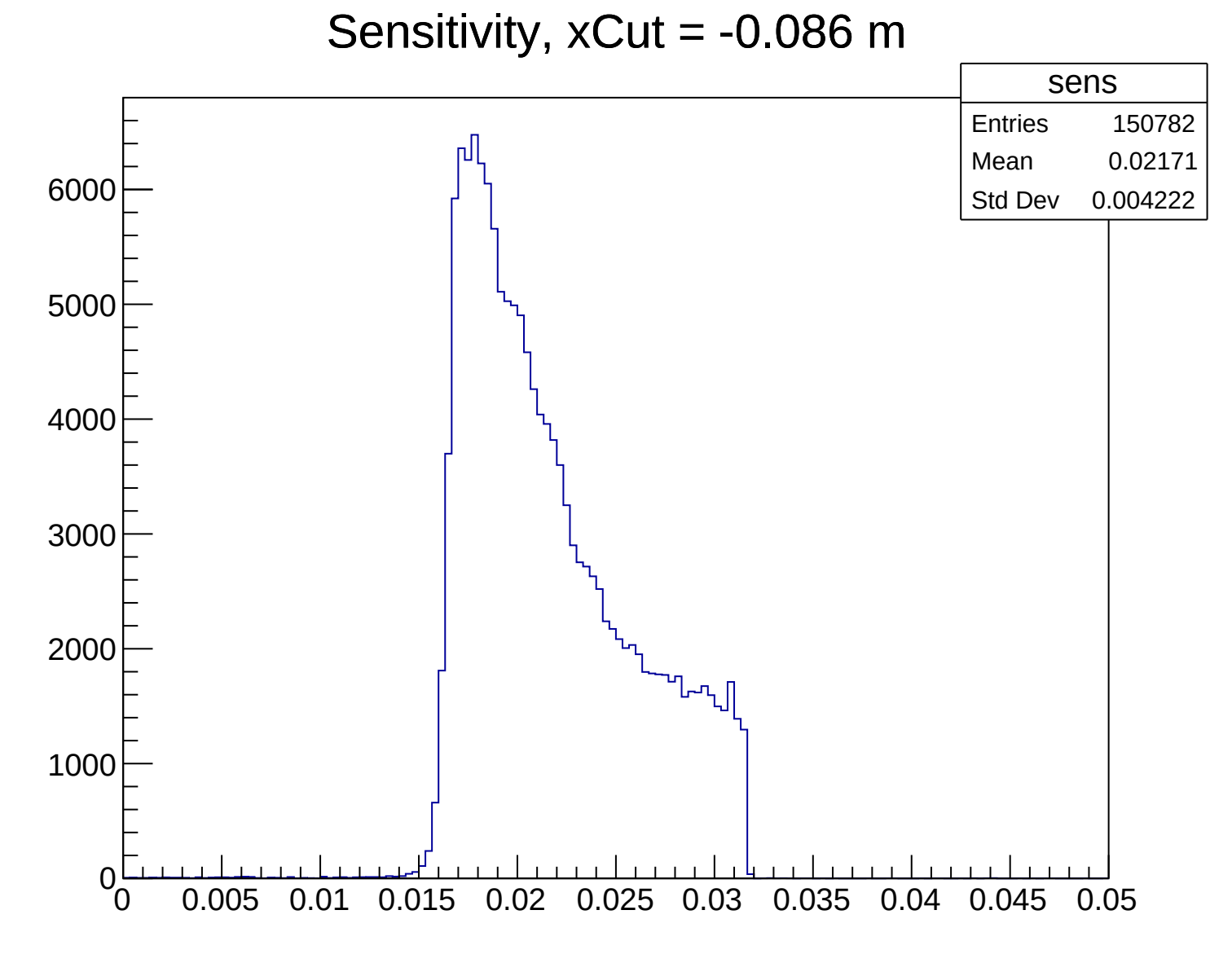

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

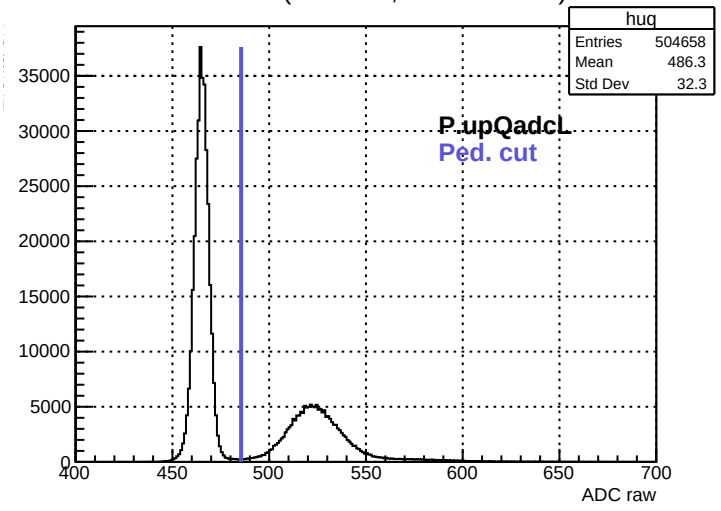

θlab (deg), xCut = -0.086 m
Theta
Entries 150782
Mean 4.733
Std Dev 0.4923
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

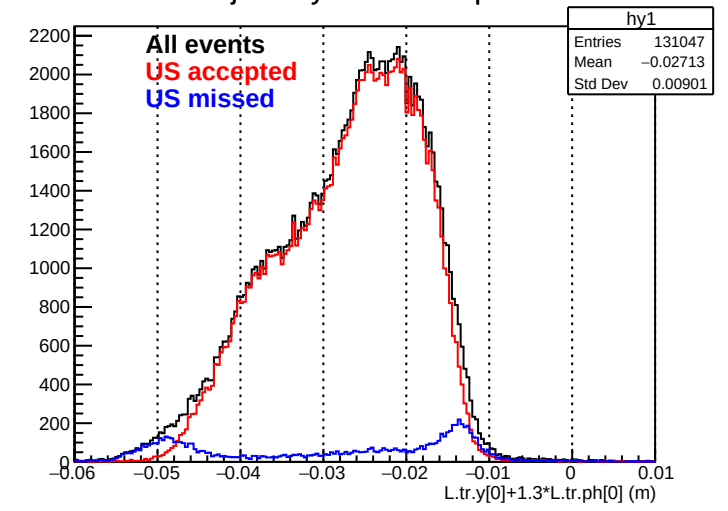

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 150782
Mean 0.5595
Std Dev 0.08811
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

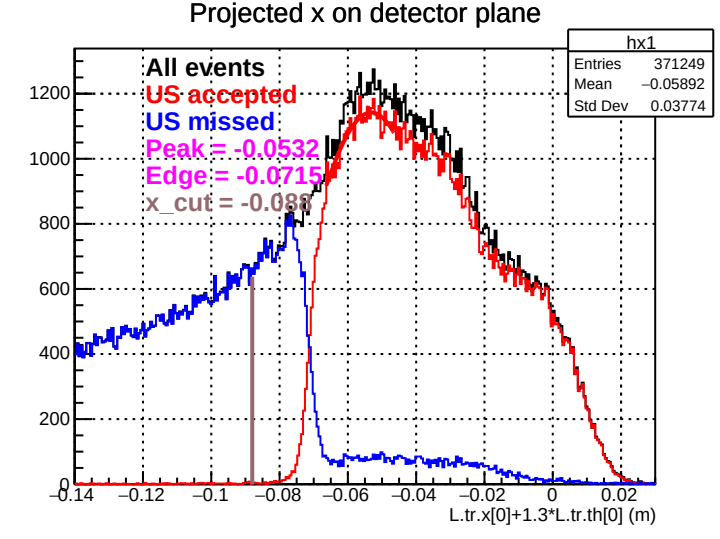

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 150782
Mean 0.547
Std Dev 0.08411
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

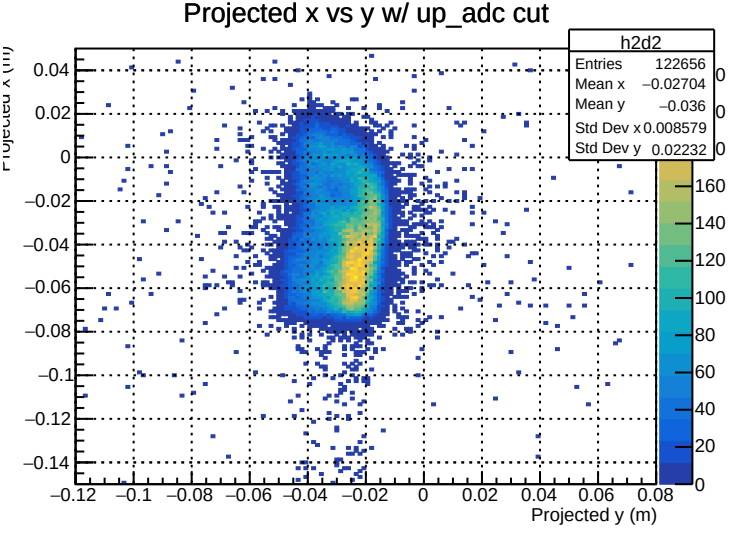

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 150782
Mean 0.00619
Std Dev 0.001326
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

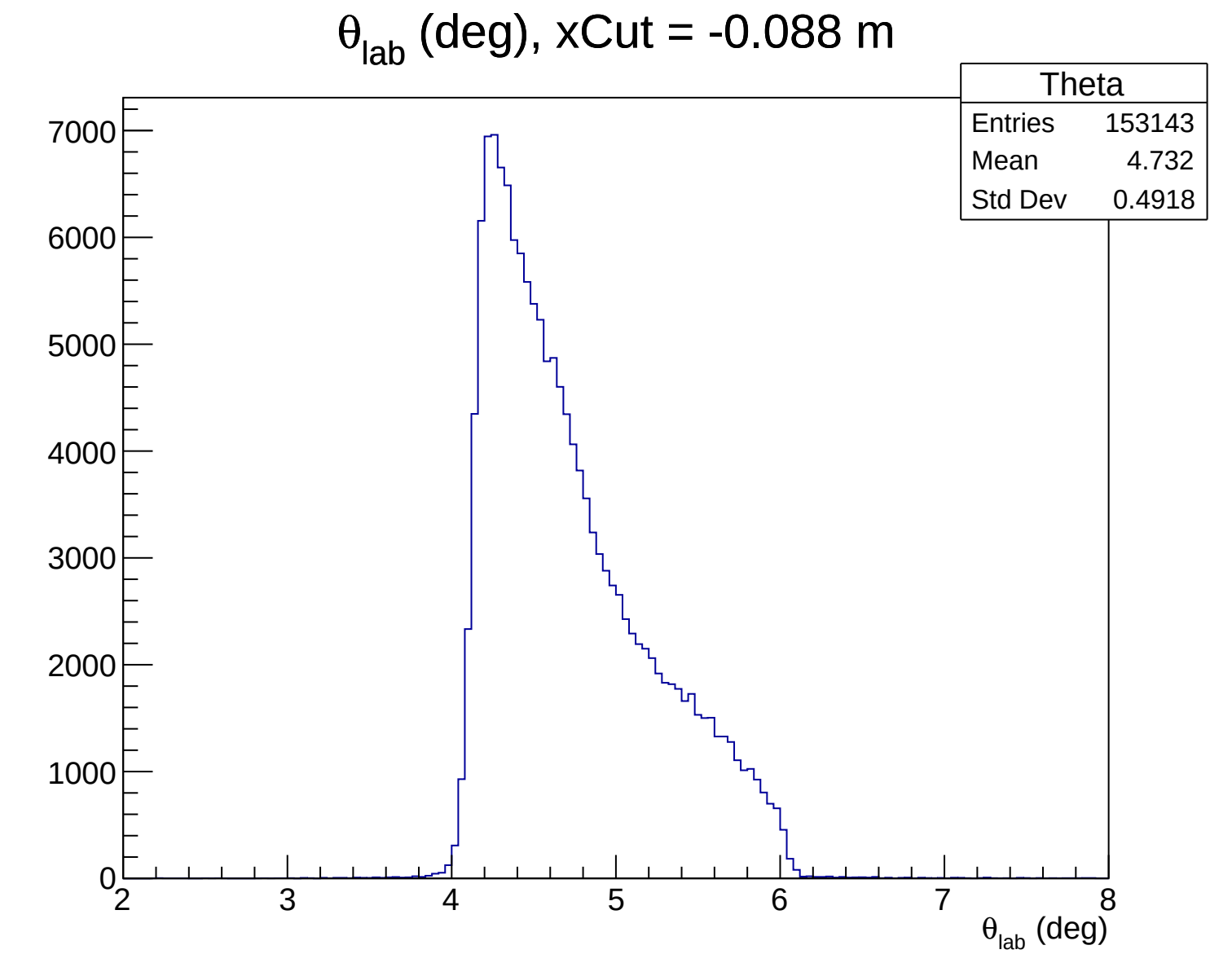

Sensitivity, xCut = -0.086 m
sens
Entries 150782
Mean 0.02171
Std Dev 0.004222
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

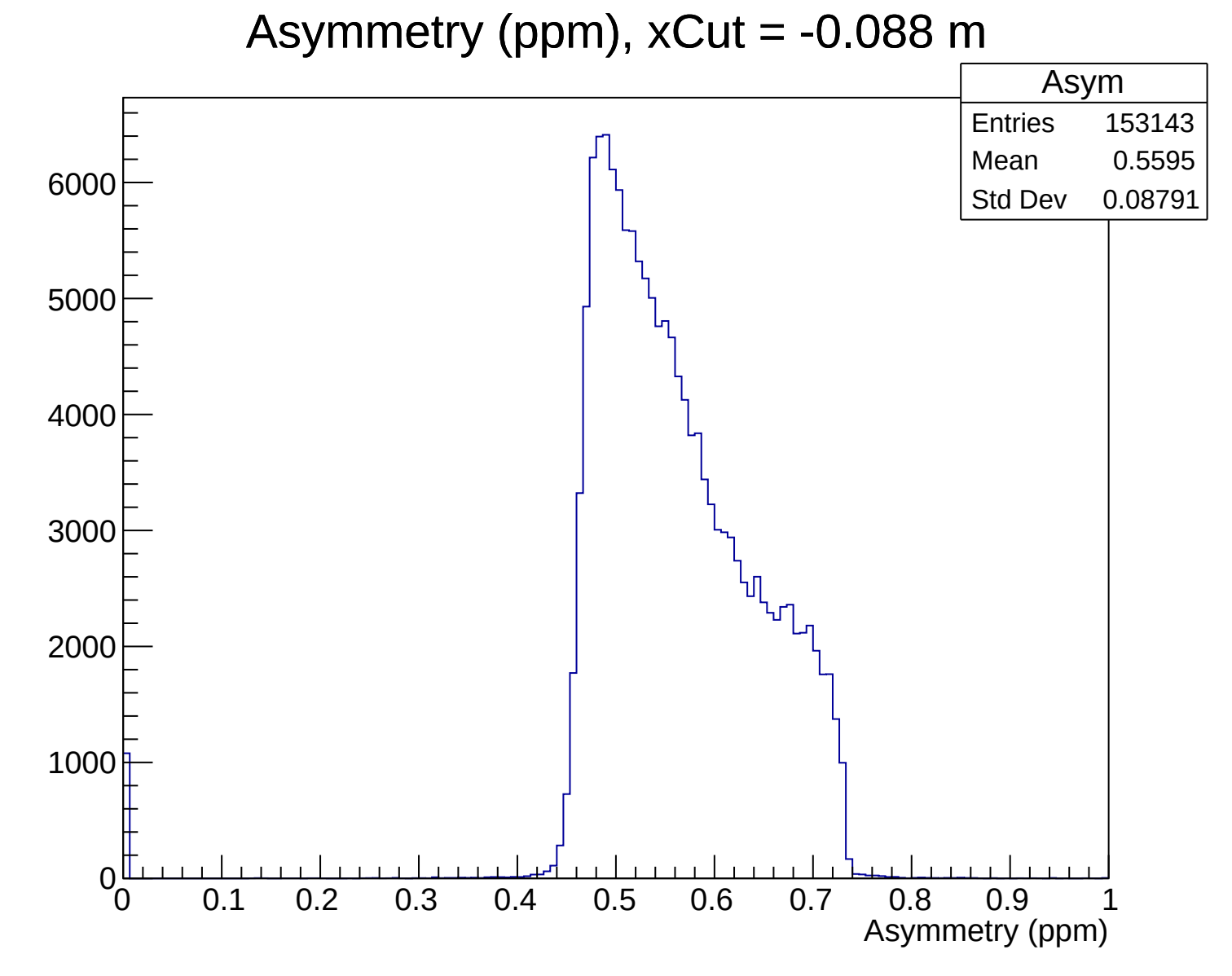

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

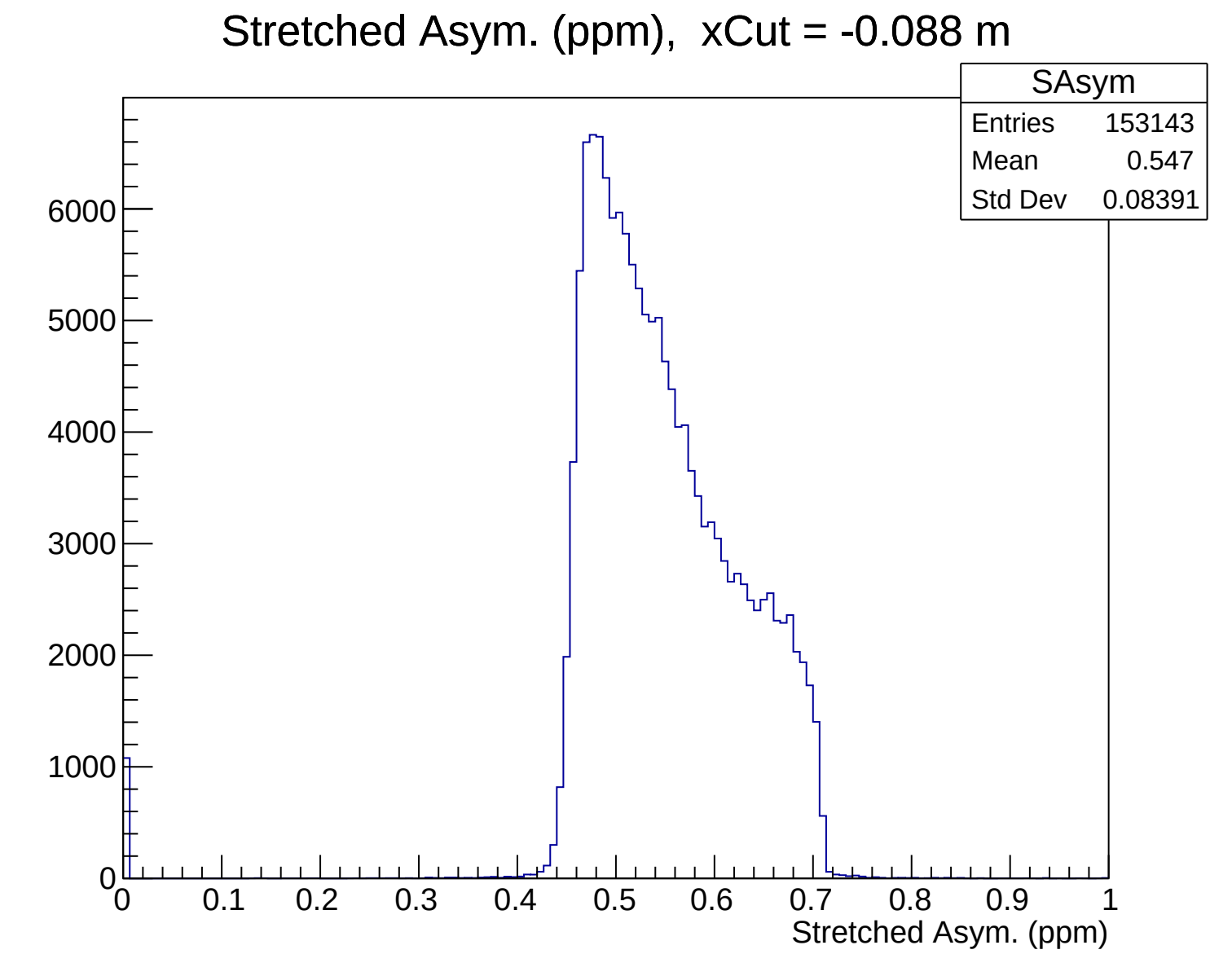

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

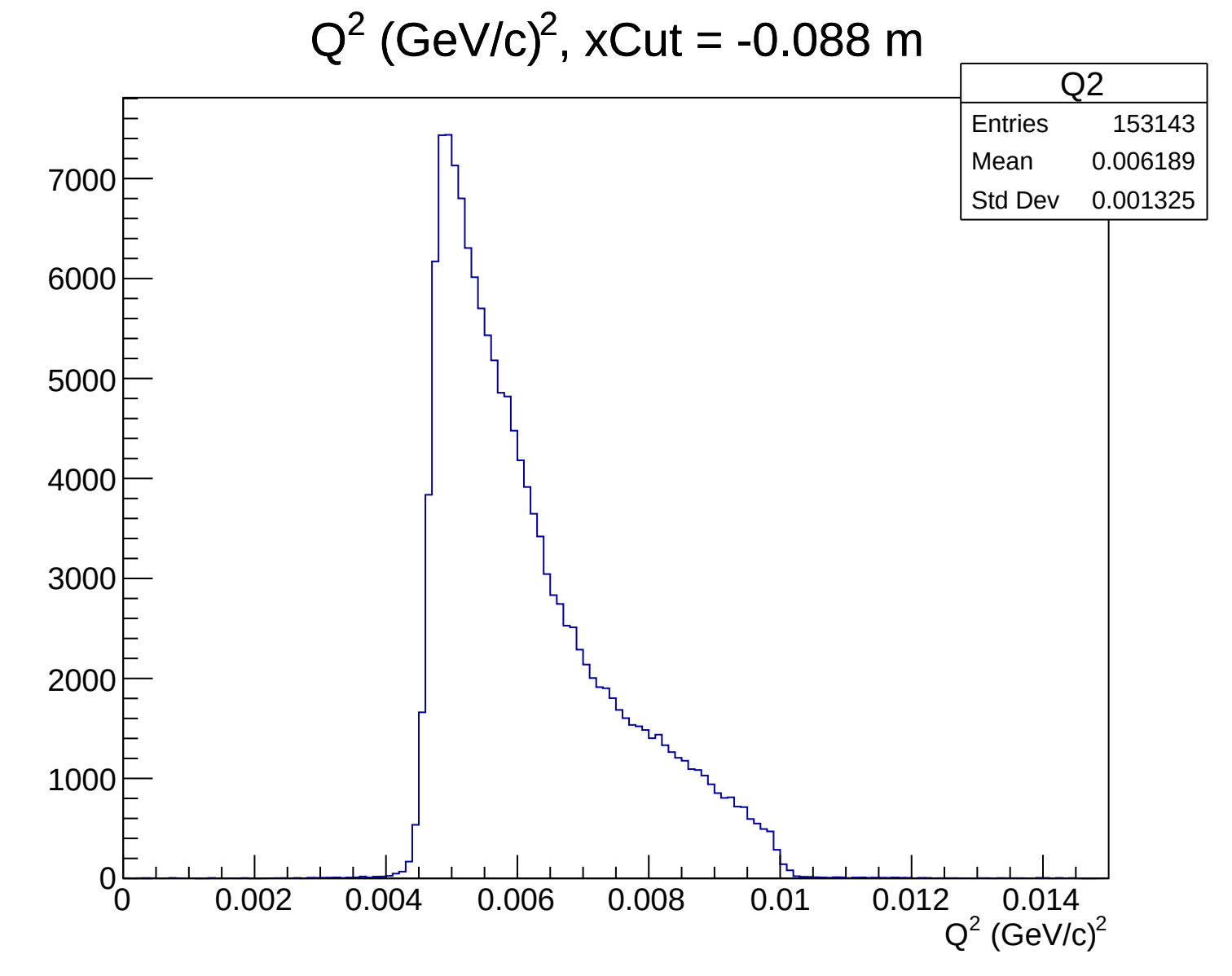

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.088
L.tr.x[0]+1.3*L.tr.th[0] (m)

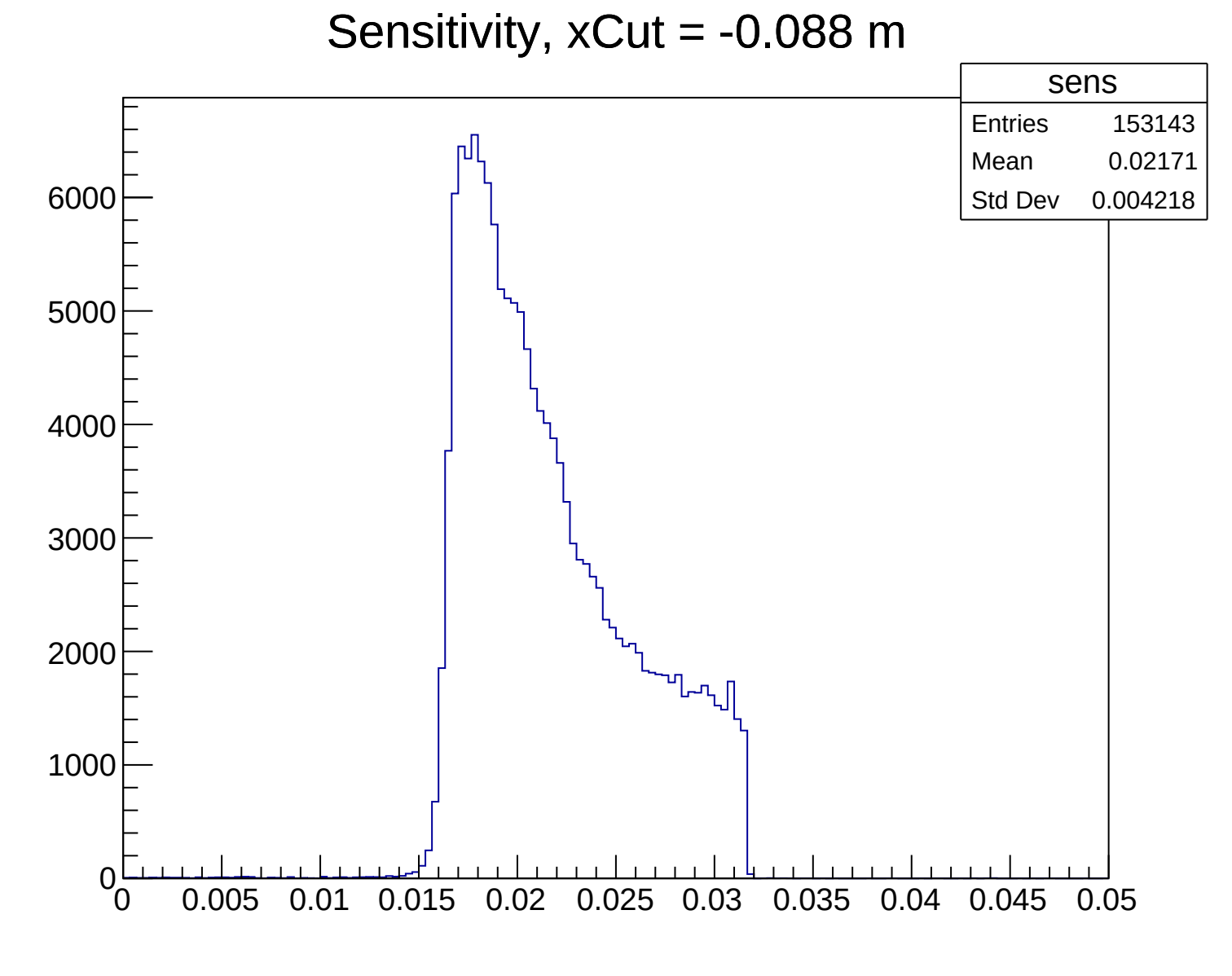

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

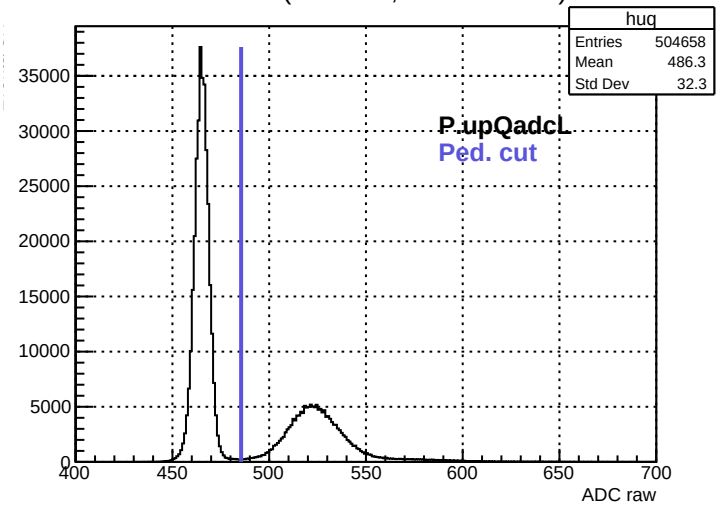

θlab (deg), xCut = -0.088 m
Theta
Entries 153143
Mean 4.732
Std Dev 0.4918
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

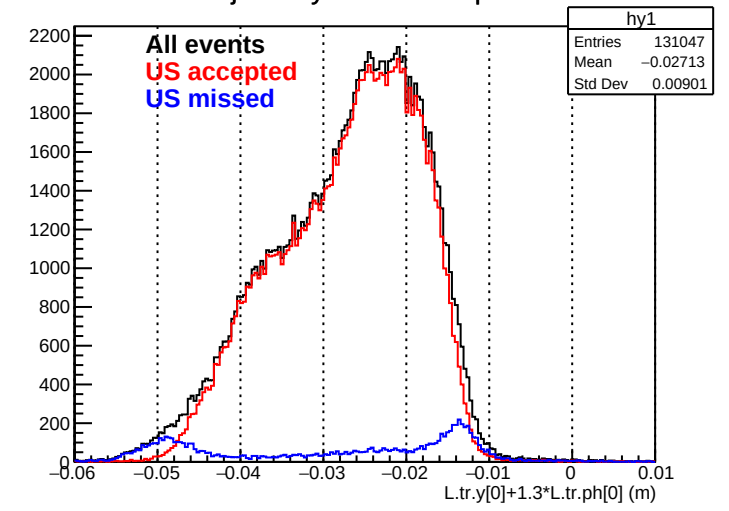

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 153143
Mean 0.5595
Std Dev 0.08791
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

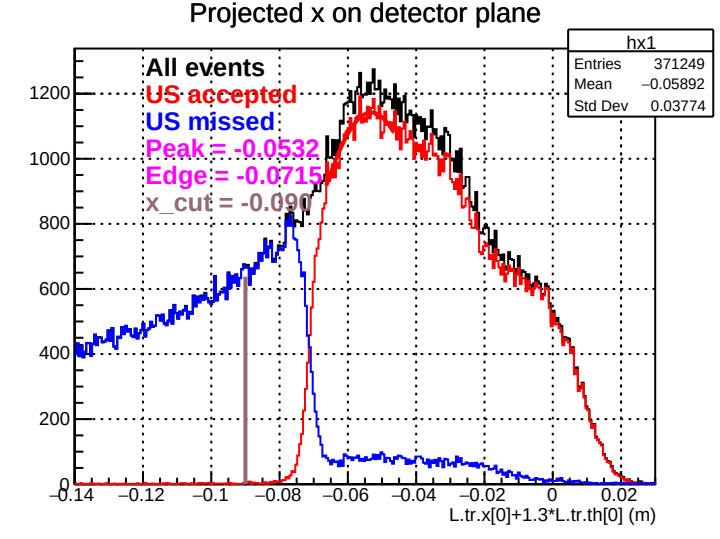

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 153143
Mean 0.547
Std Dev 0.08391
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

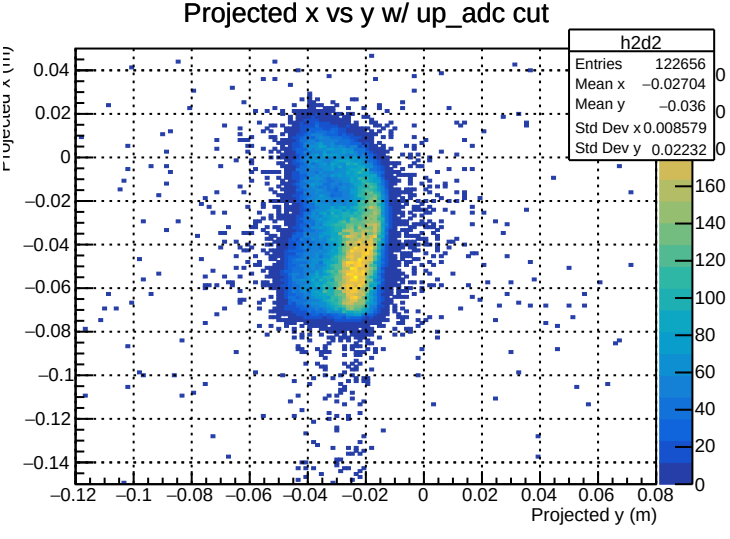

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 153143
Mean 0.006189
Std Dev 0.001325
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

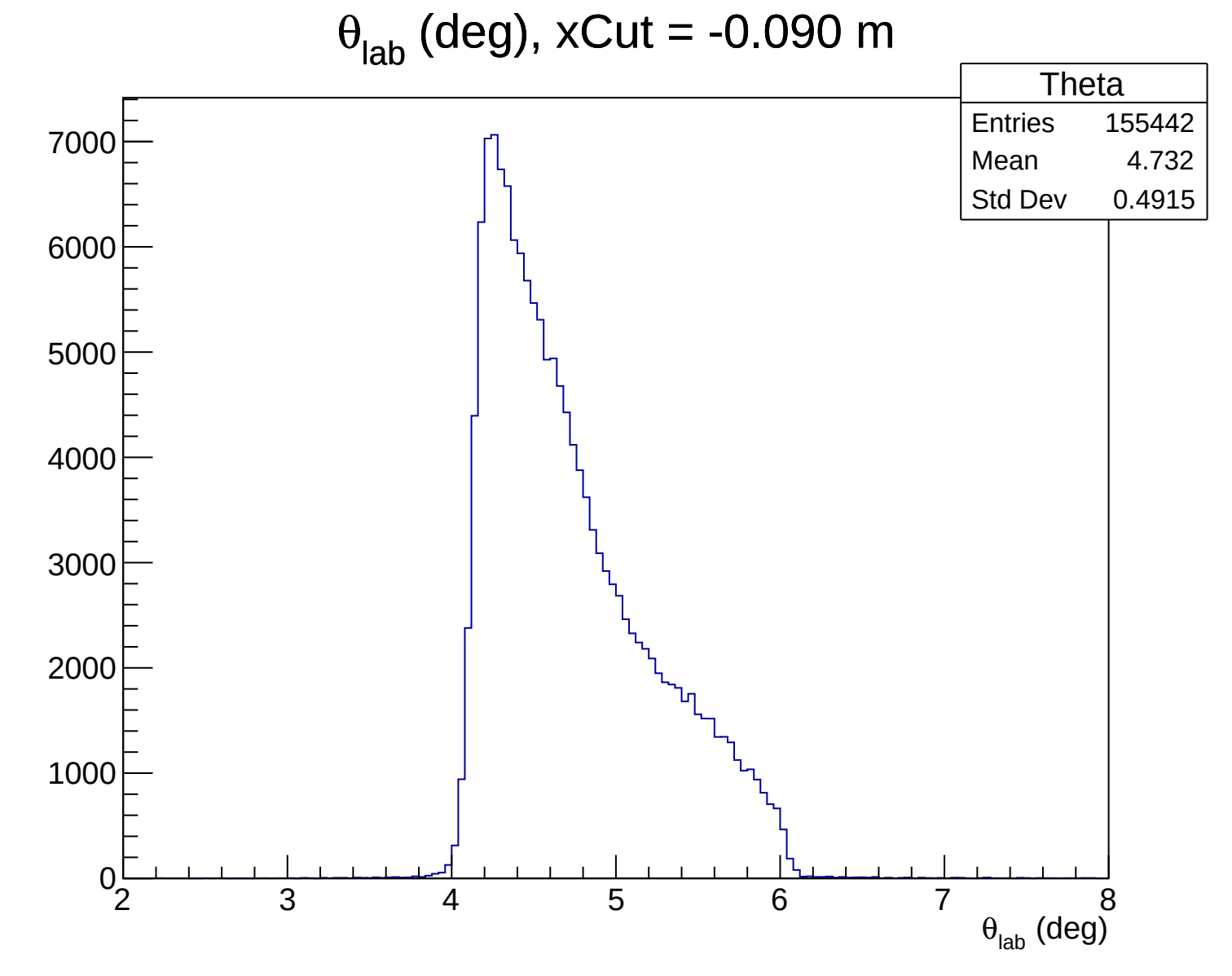

Sensitivity, xCut = -0.088 m
sens
Entries 153143
Mean 0.02171
Std Dev 0.004218
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

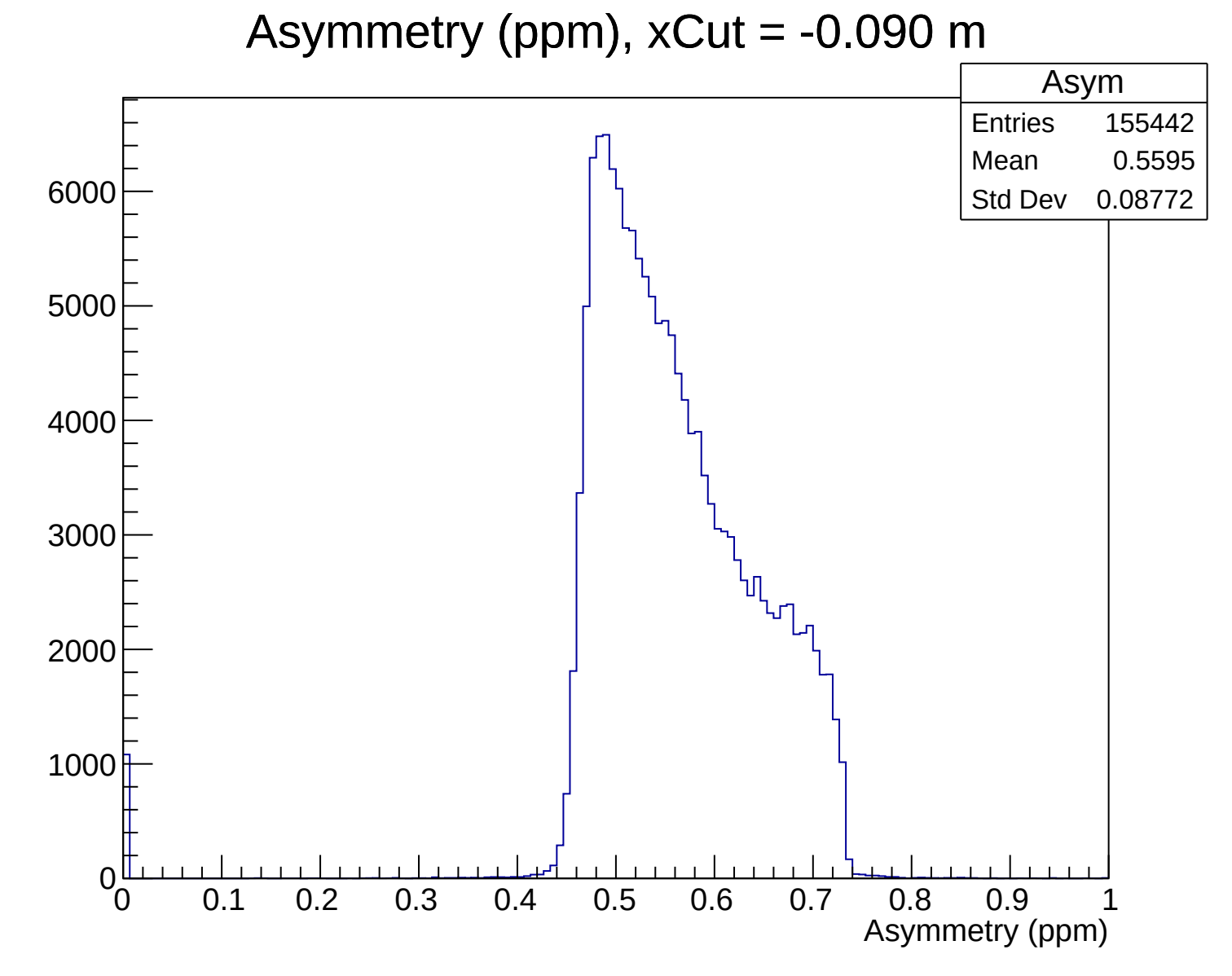

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

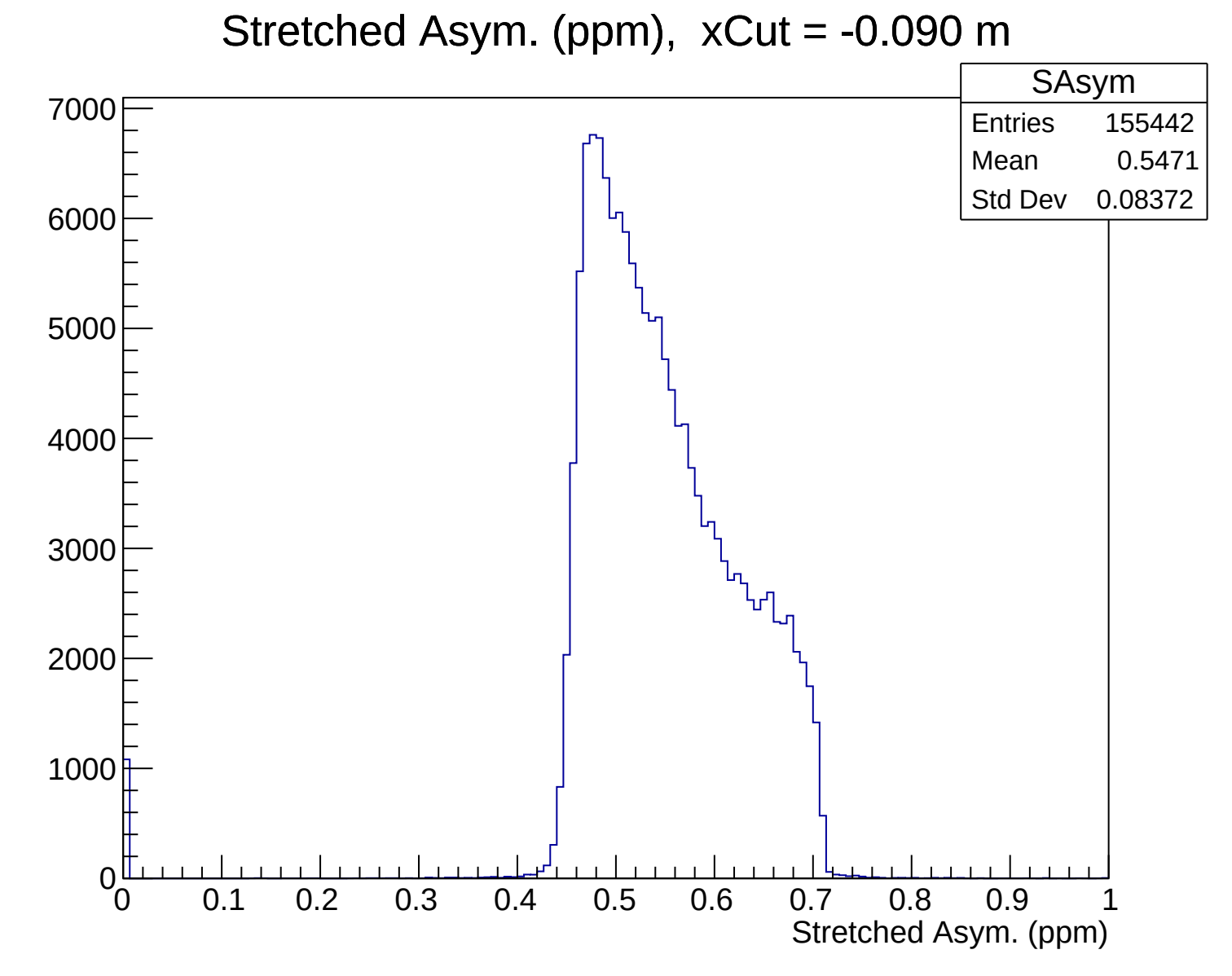

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

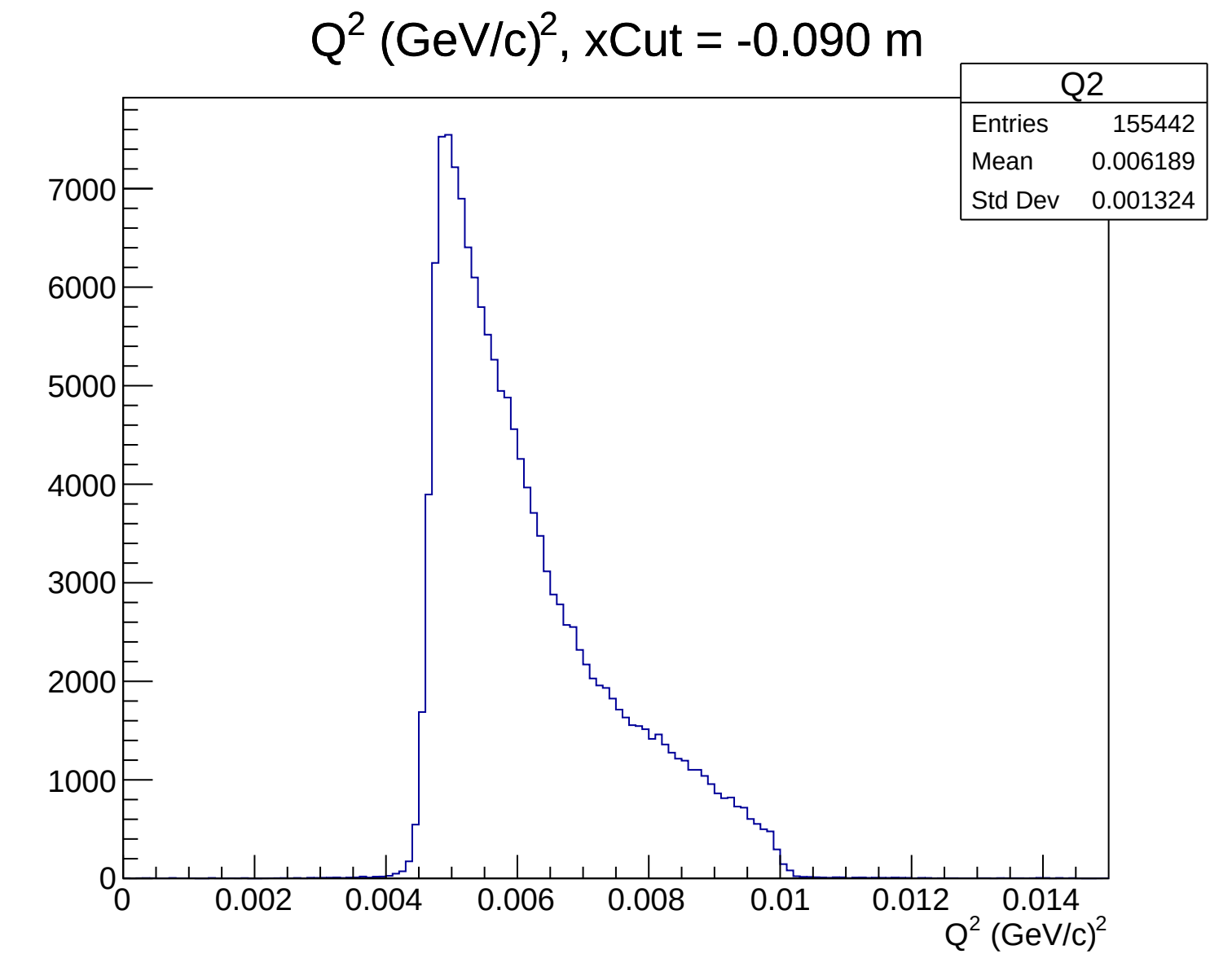

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.090
L.tr.x[0]+1.3*L.tr.th[0] (m)

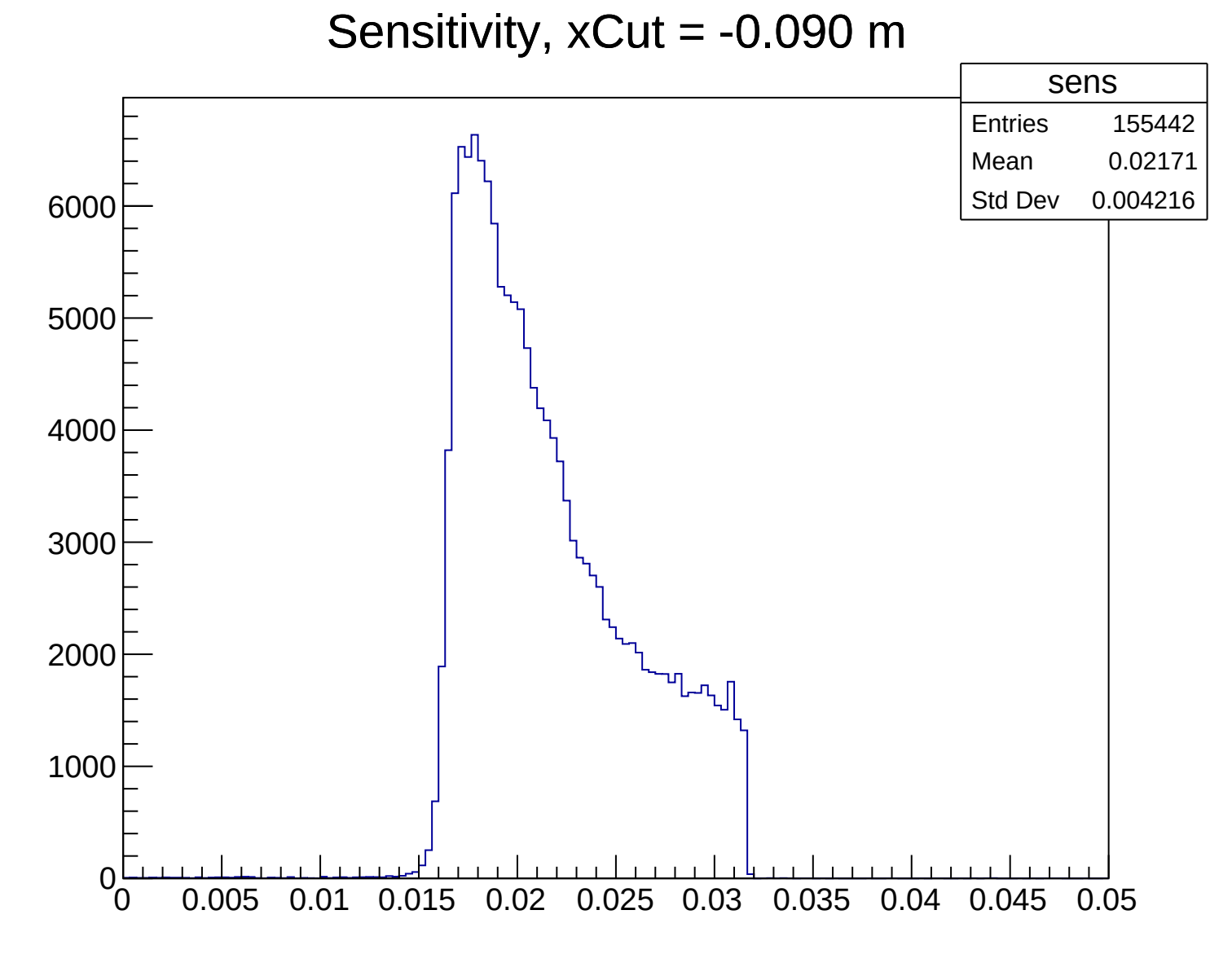

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

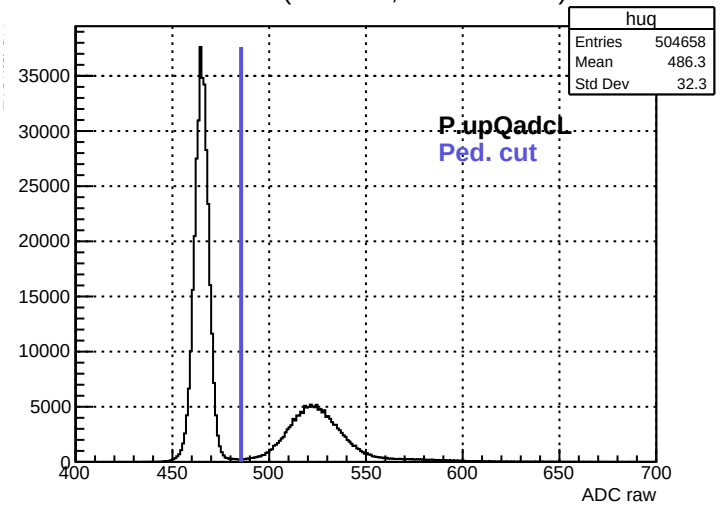

θlab (deg), xCut = -0.090 m
Theta
Entries 155442
Mean 4.732
Std Dev 0.4915
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

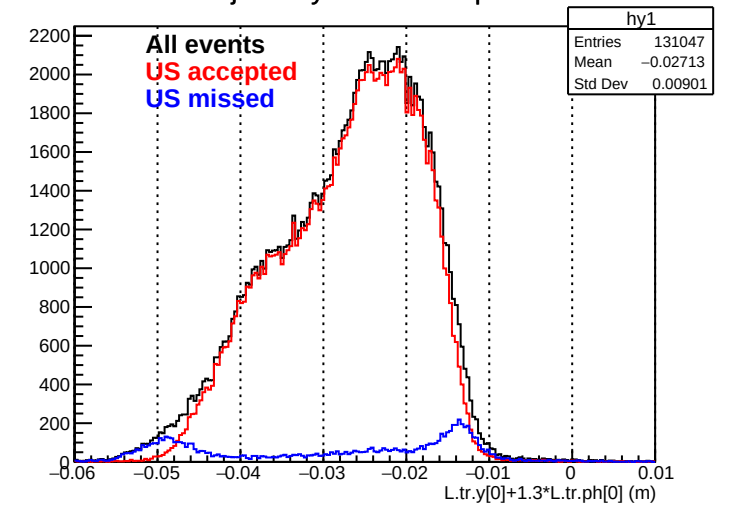

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 155442
Mean 0.5595
Std Dev 0.08772
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

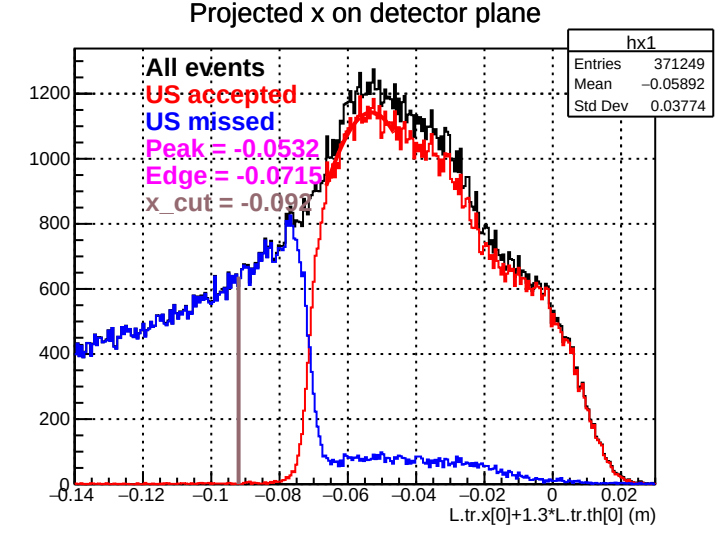

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 155442
Mean 0.5471
Std Dev 0.08372
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

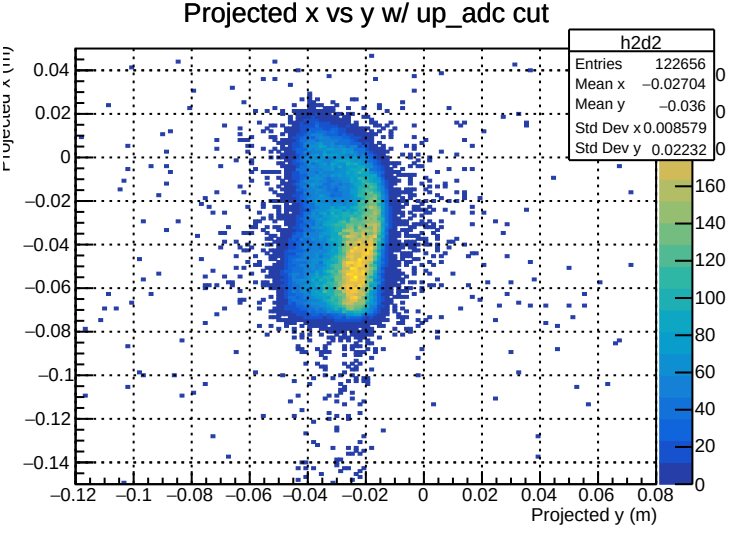

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 155442
Mean 0.006189
Std Dev 0.001324
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

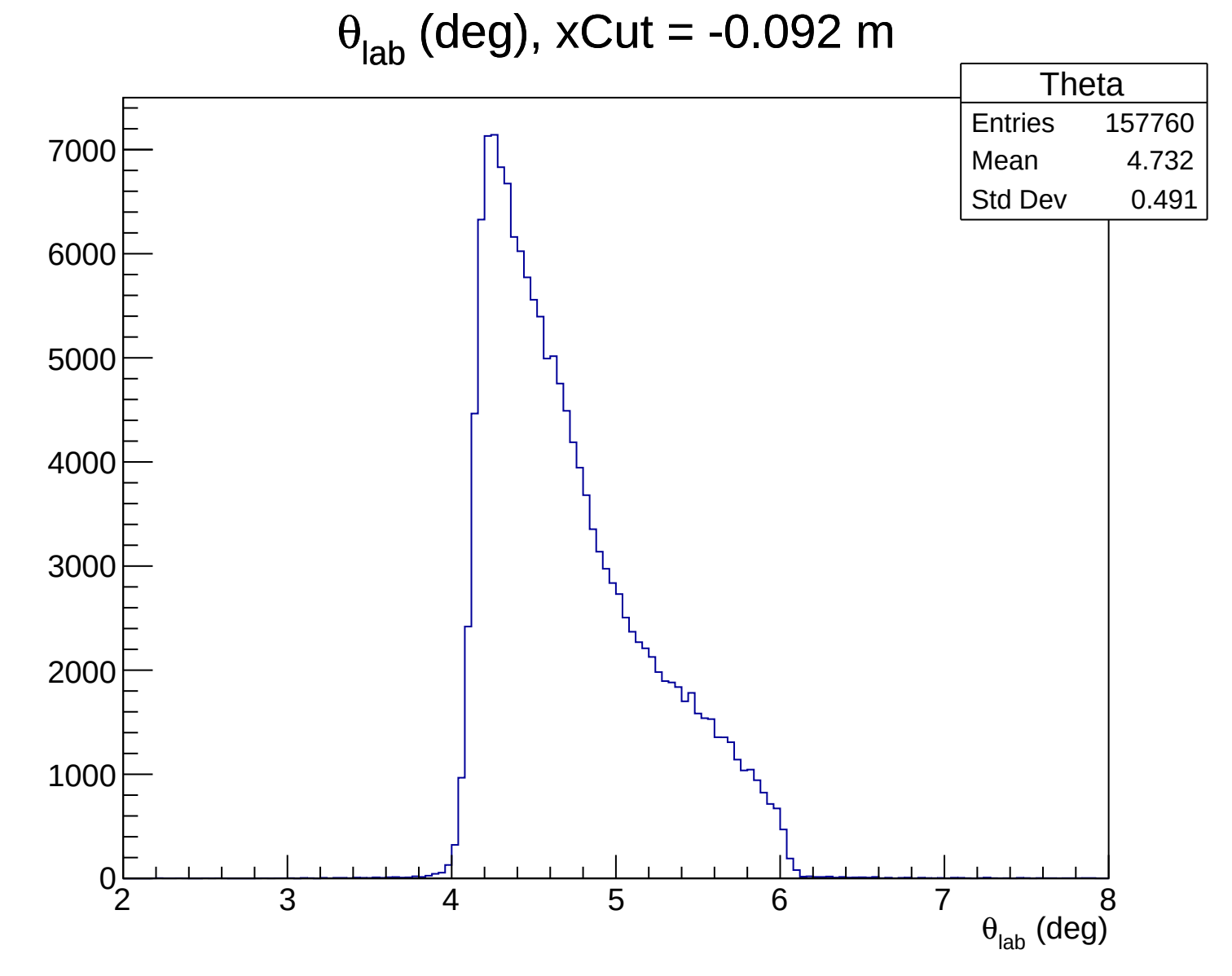

Sensitivity, xCut = -0.090 m
sens
Entries 155442
Mean 0.02171
Std Dev 0.004216
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

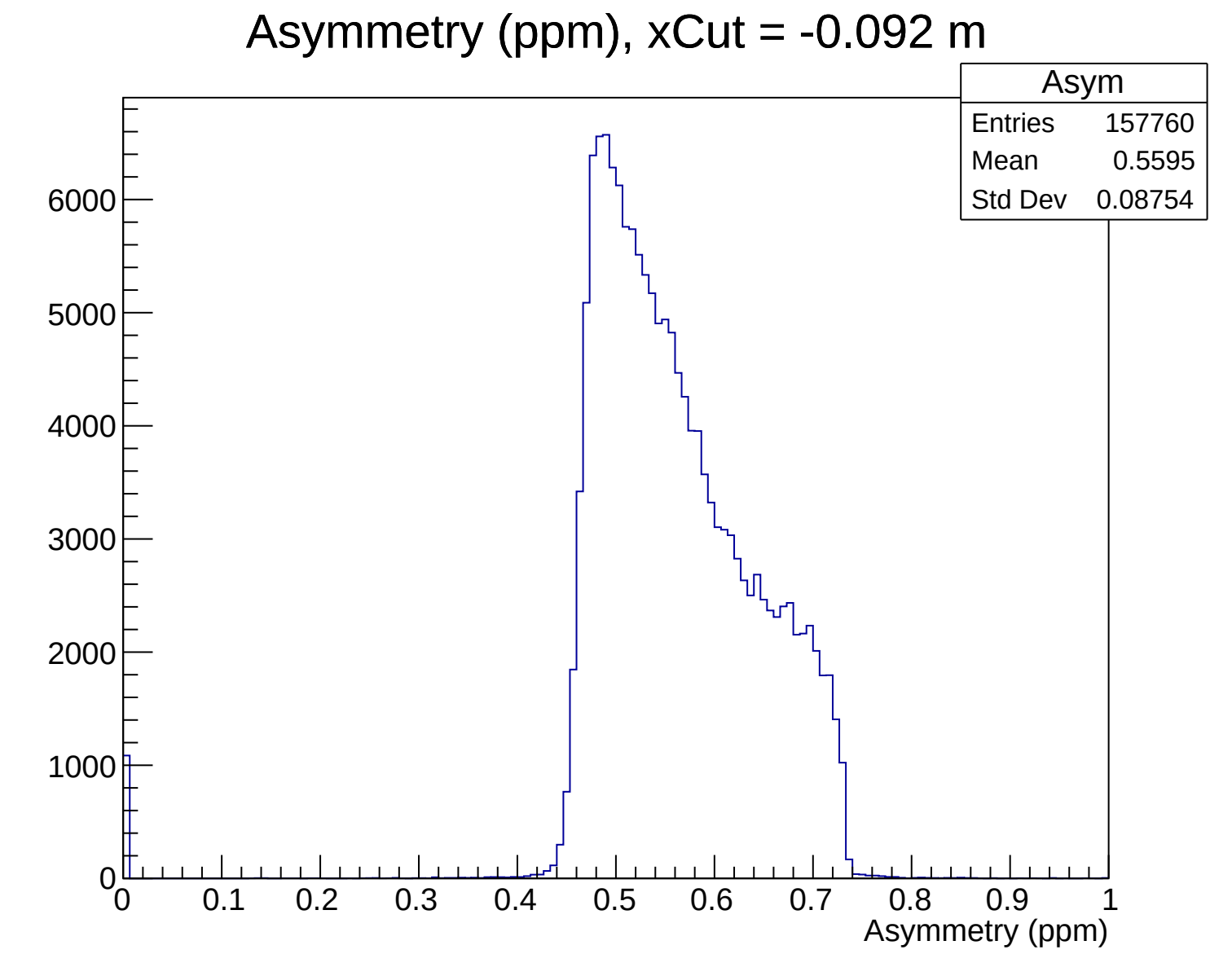

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

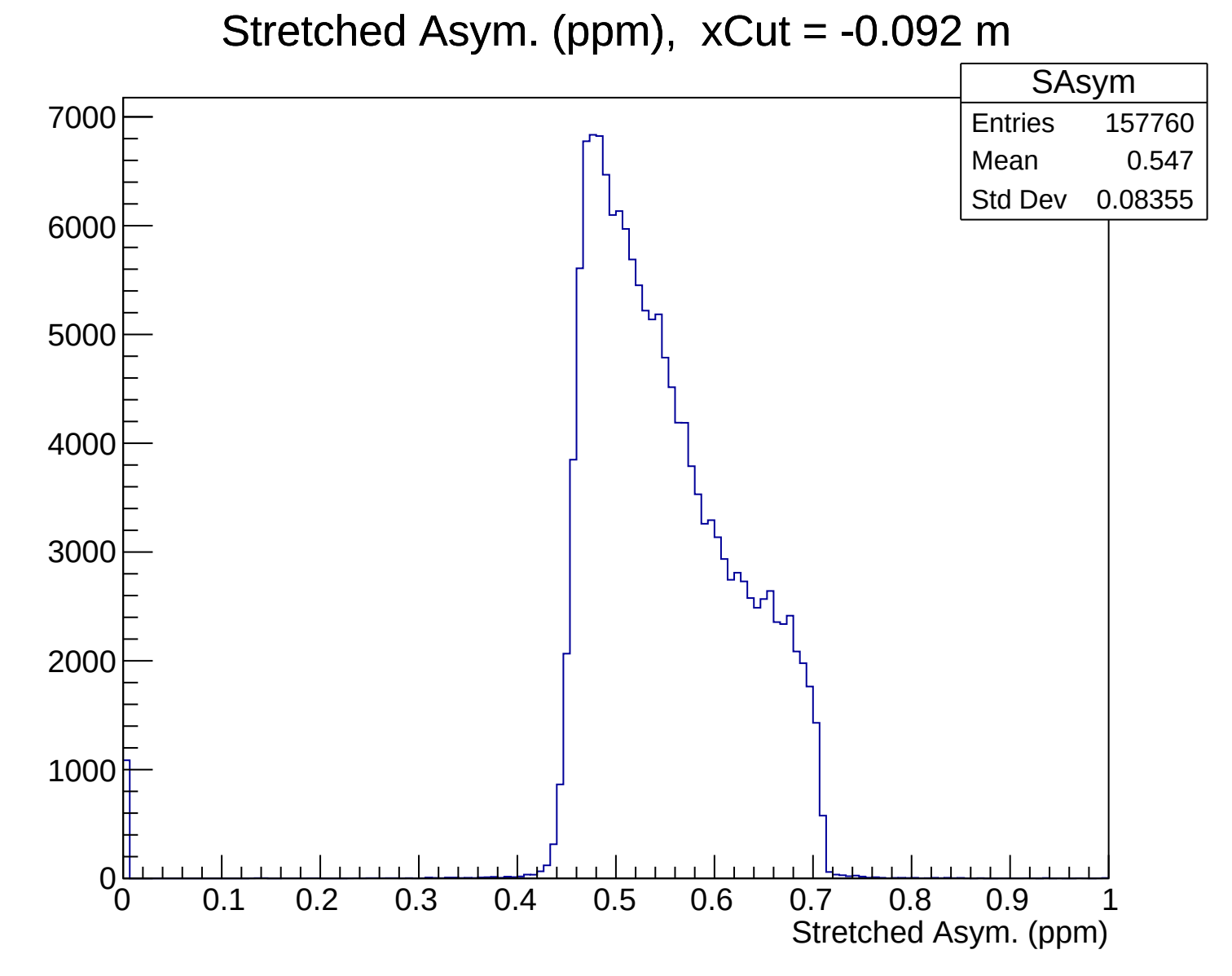

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

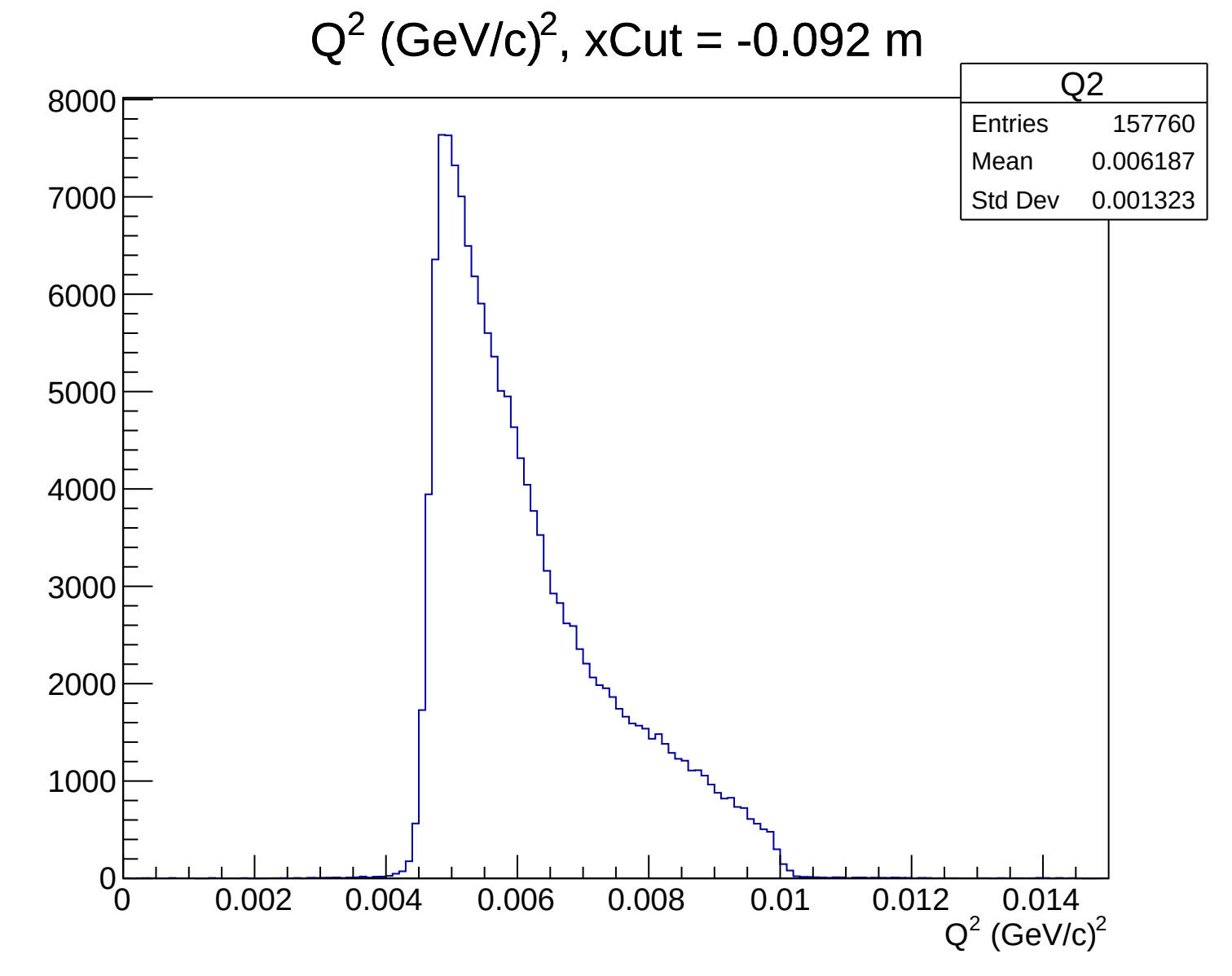

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.093
L.tr.x[0]+1.3*L.tr.th[0] (m)

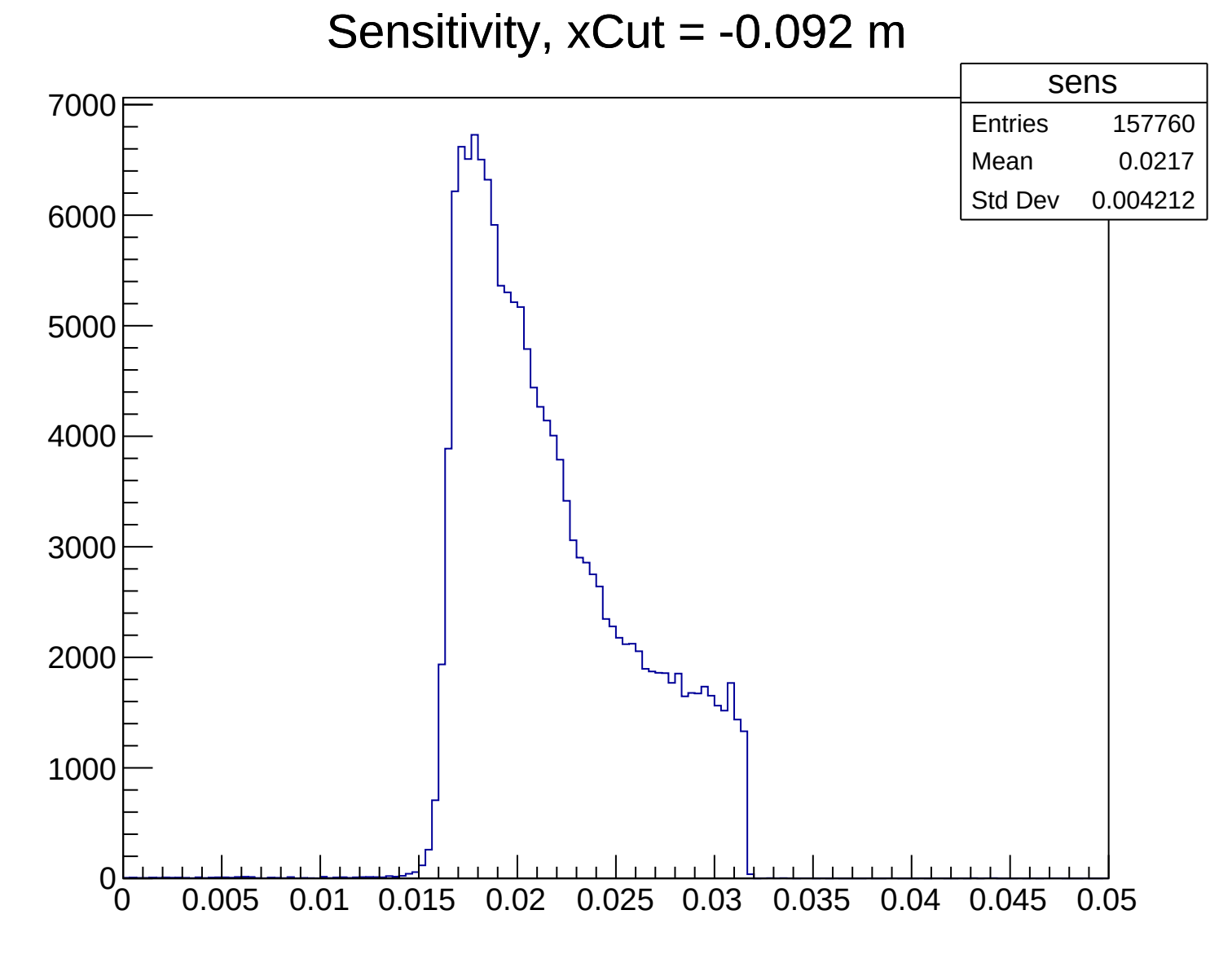

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

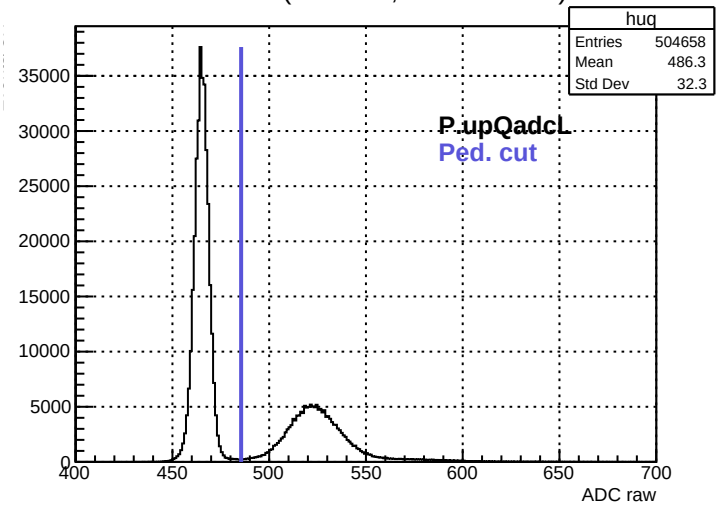

θlab (deg), xCut = -0.092 m
Theta
Entries 157760
Mean 4.732
Std Dev 0.491
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

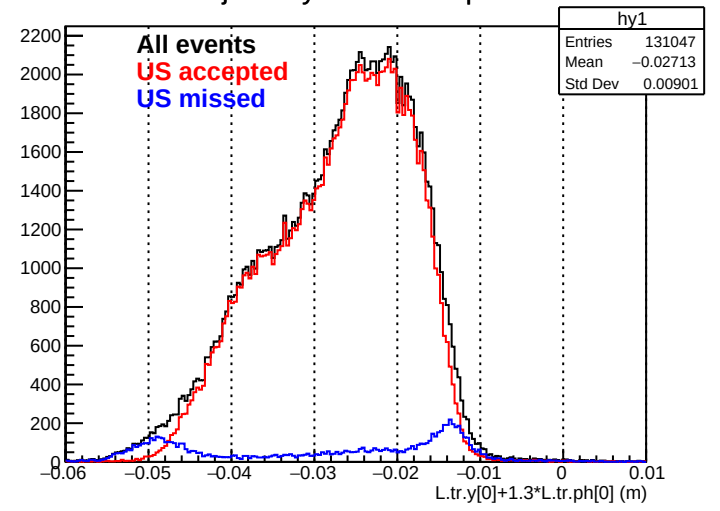

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 157760
Mean 0.5595
Std Dev 0.08754
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

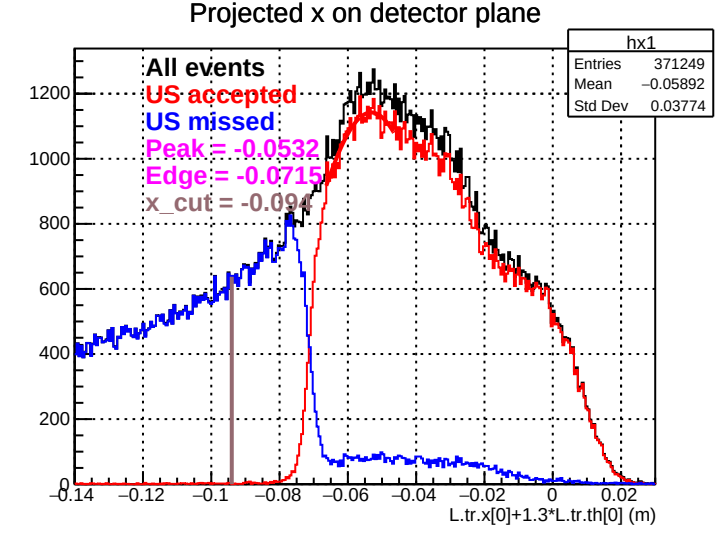

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 157760
Mean 0.547
Std Dev 0.08355
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

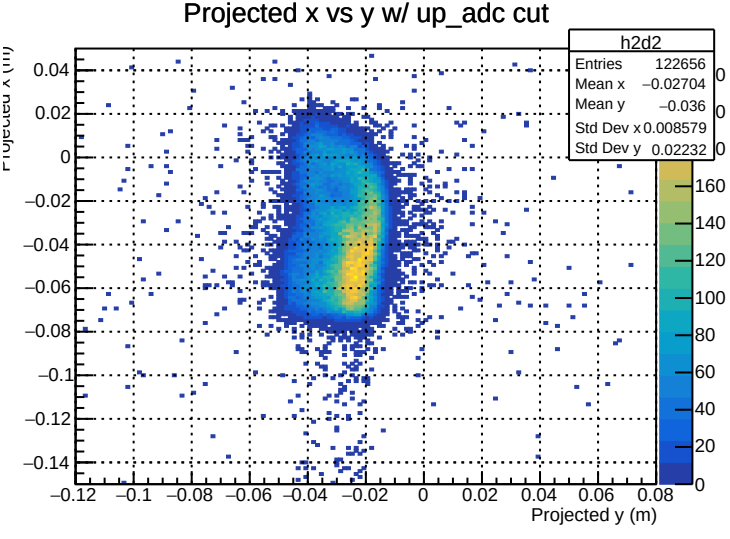

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 157760
Mean 0.006187
Std Dev 0.001323
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

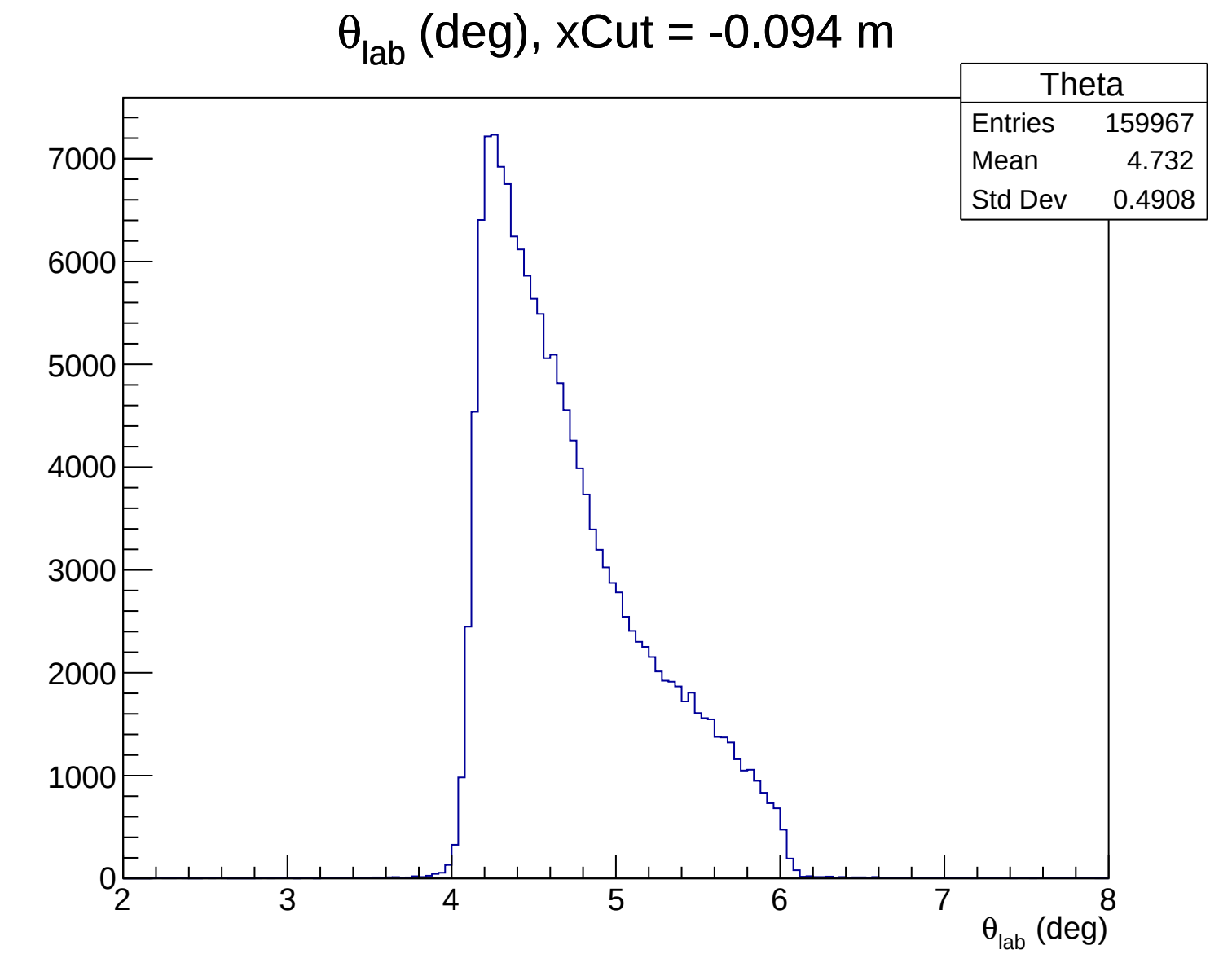

Sensitivity, xCut = -0.092 m
sens
Entries 157760
Mean 0.0217
Std Dev 0.004212
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

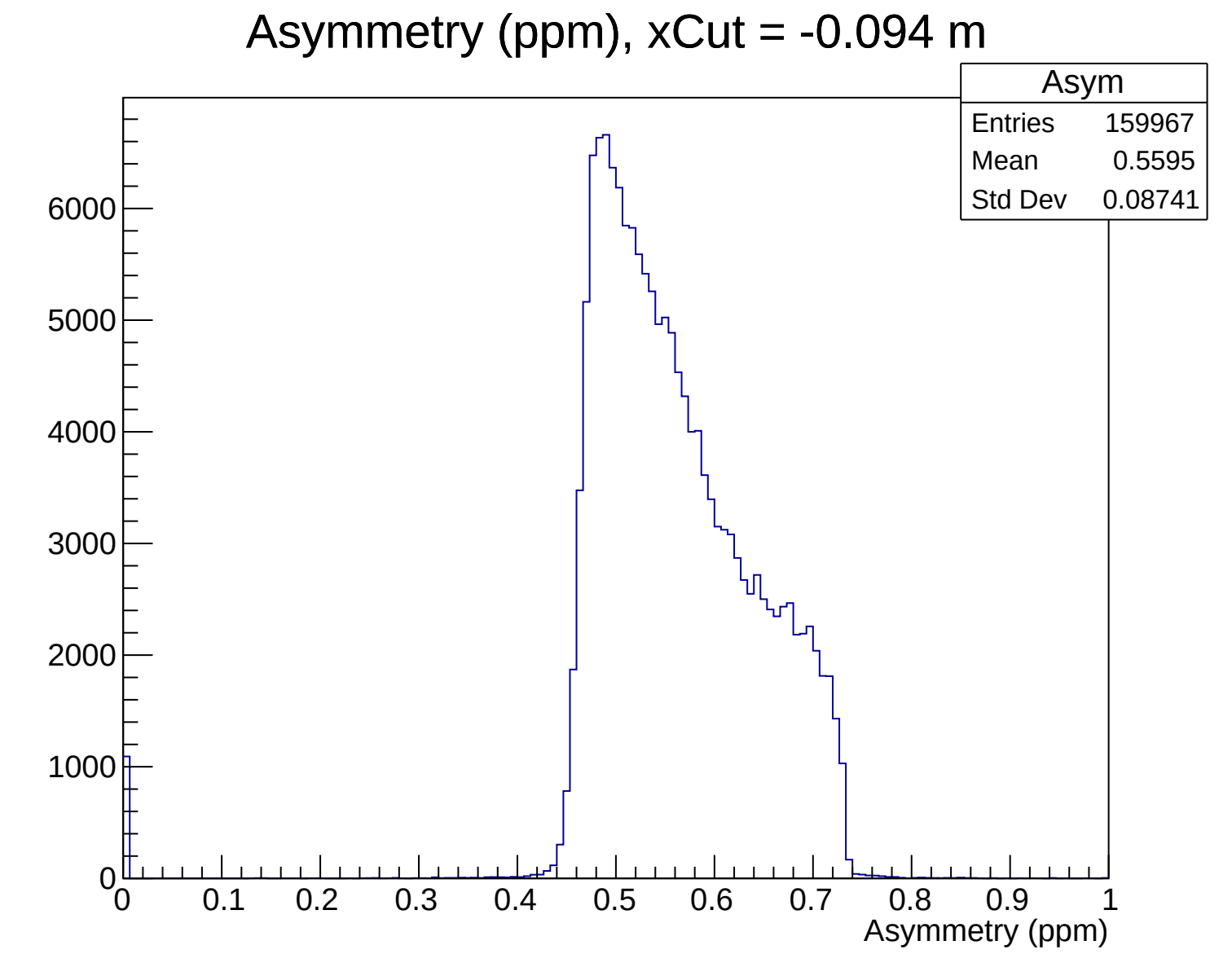

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

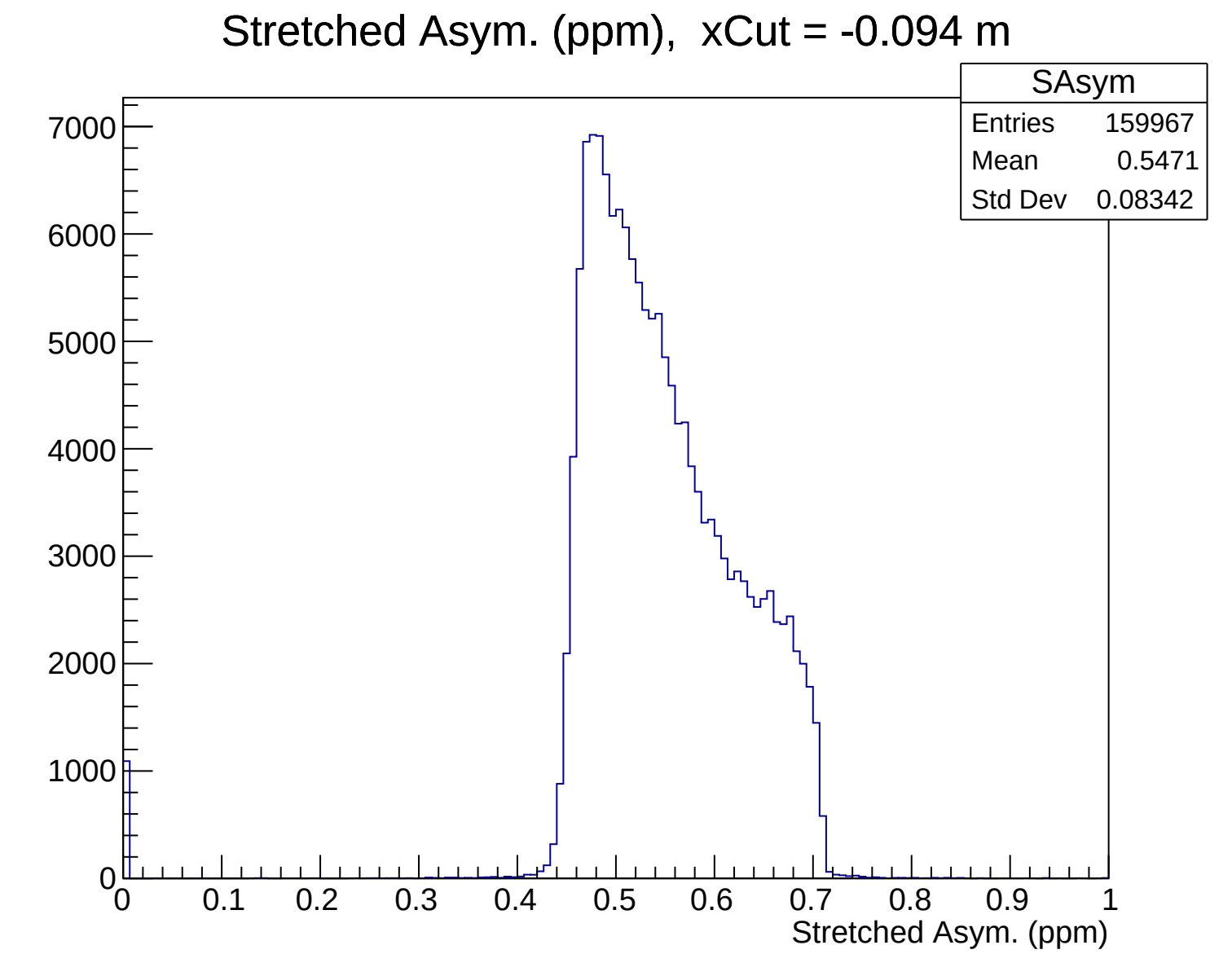

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

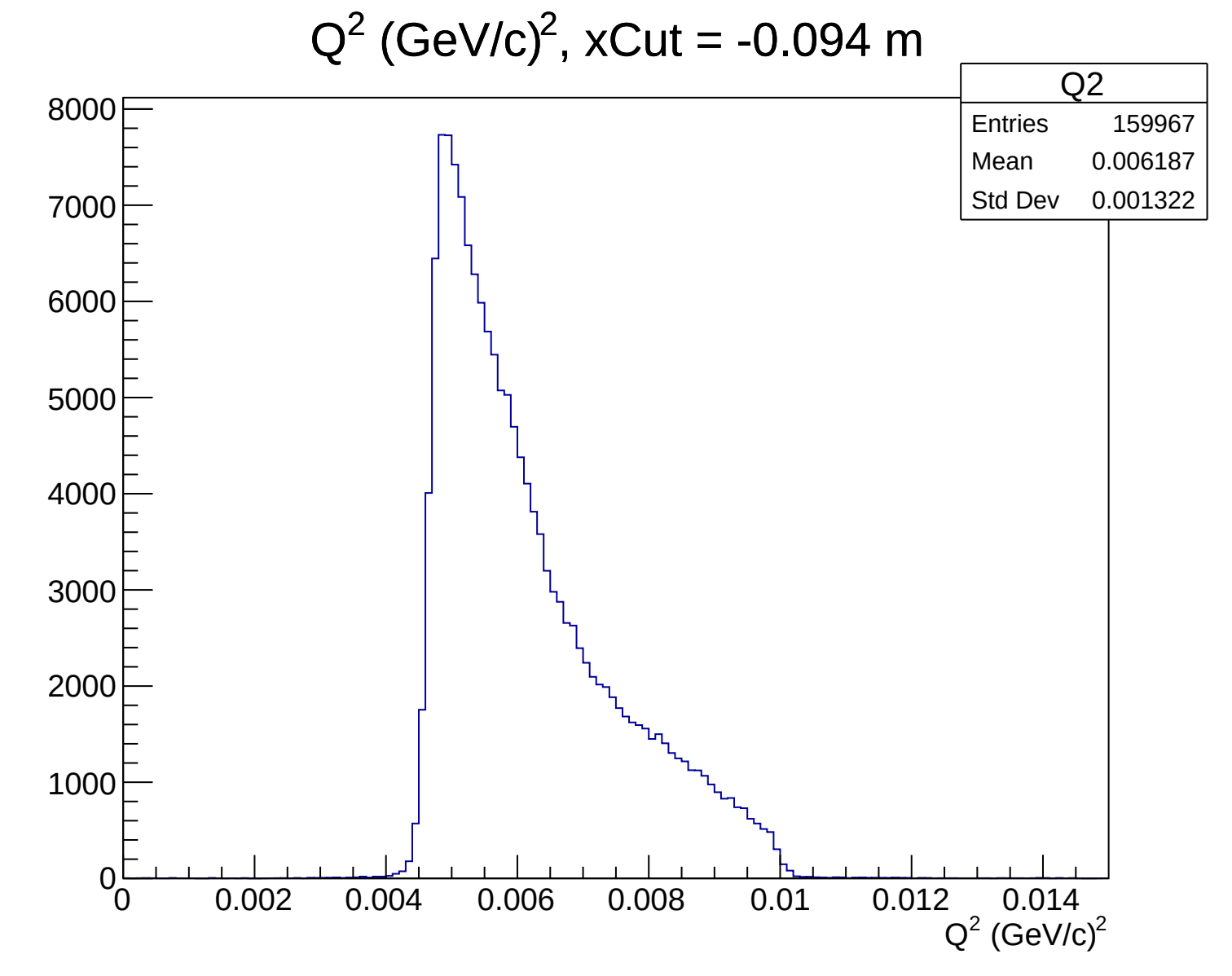

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.094
L.tr.x[0]+1.3*L.tr.th[0] (m)

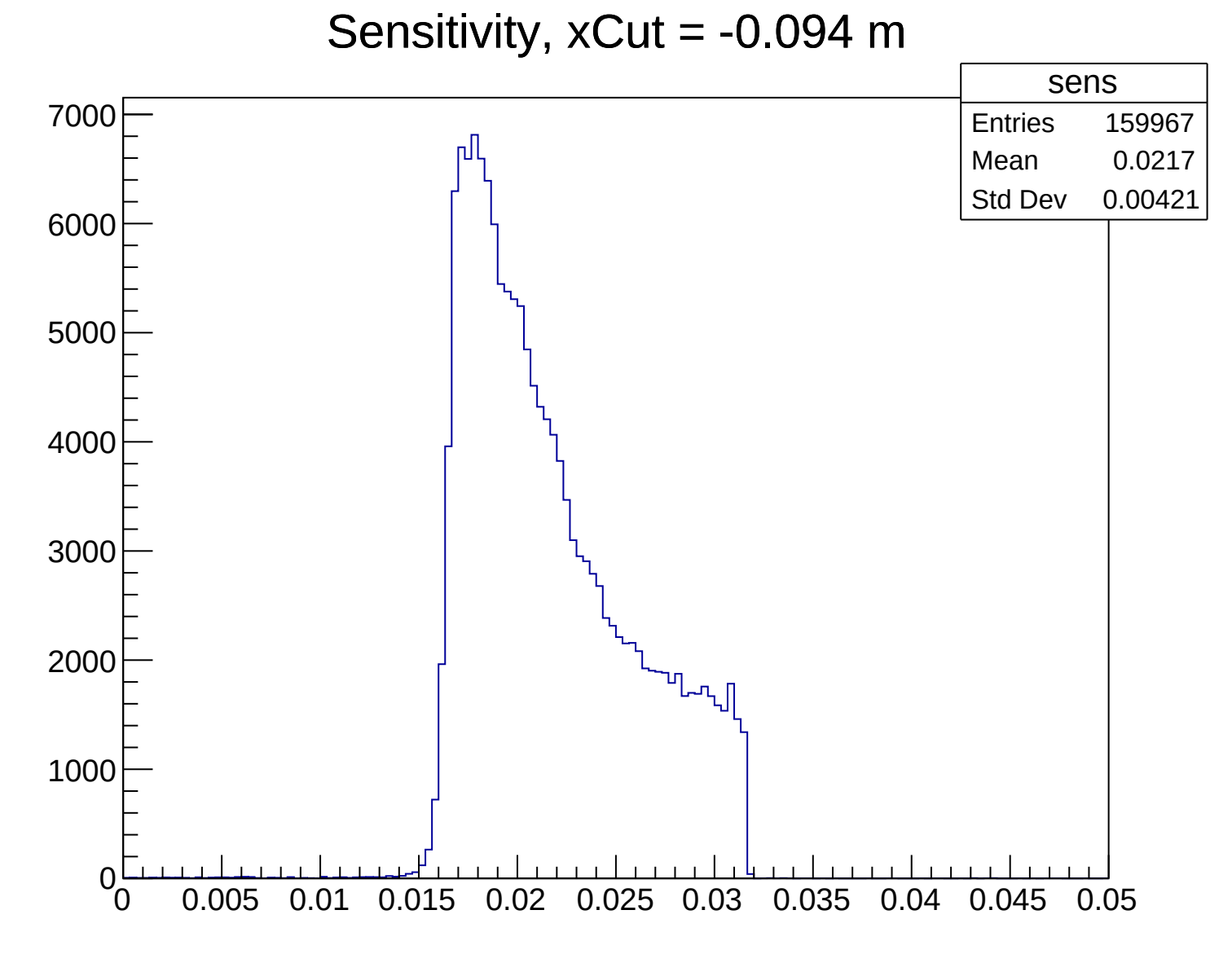

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

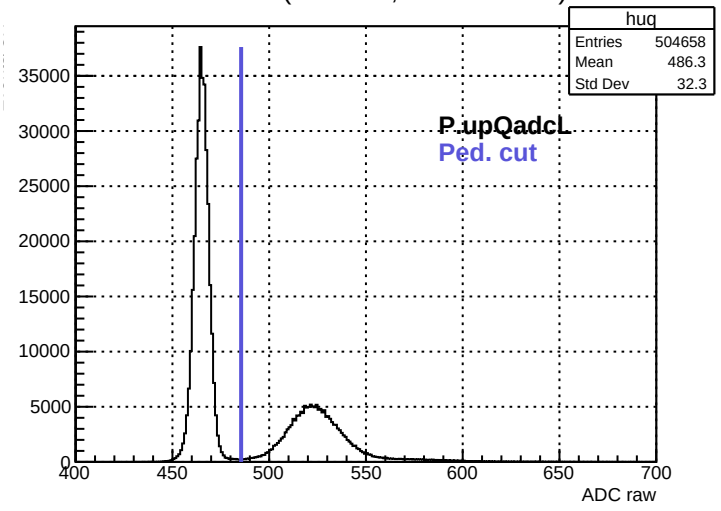

θlab (deg), xCut = -0.094 m
Theta
Entries 159967
Mean 4.732
Std Dev 0.4908
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

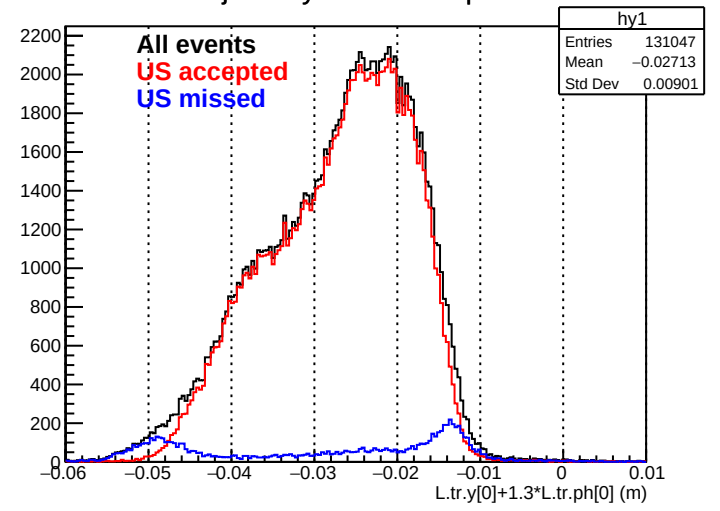

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 159967
Mean 0.5595
Std Dev 0.08741
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

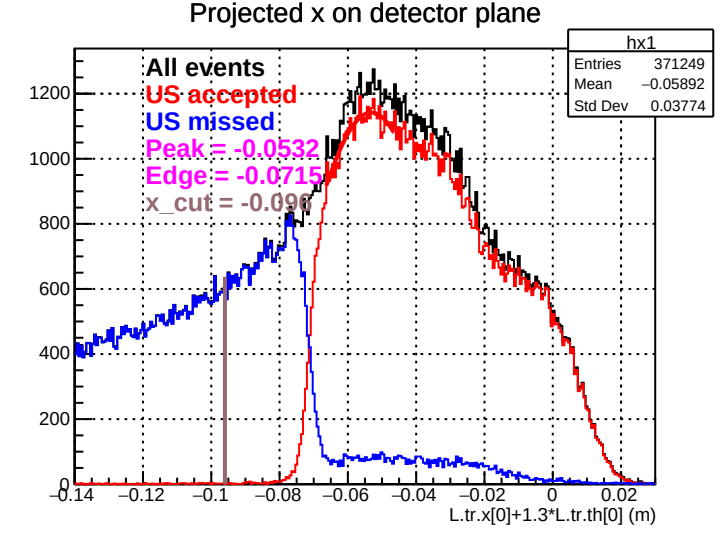

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 159967
Mean 0.5471
Std Dev 0.08342
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

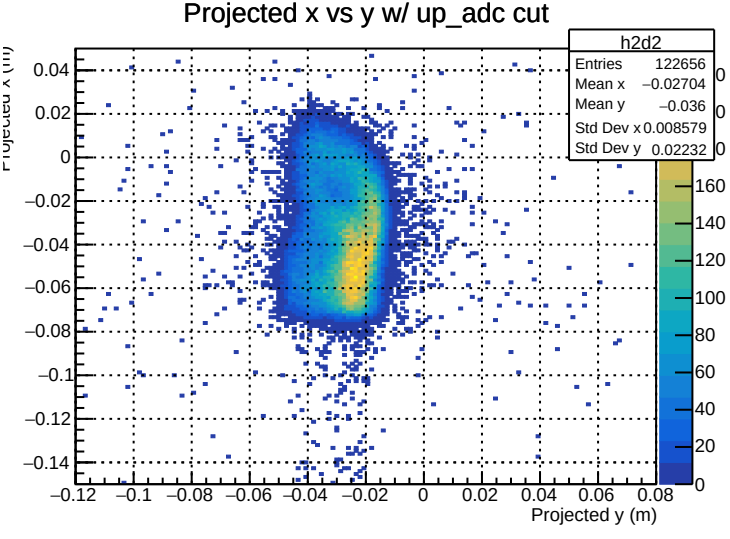

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 159967
Mean 0.006187
Std Dev 0.001322
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

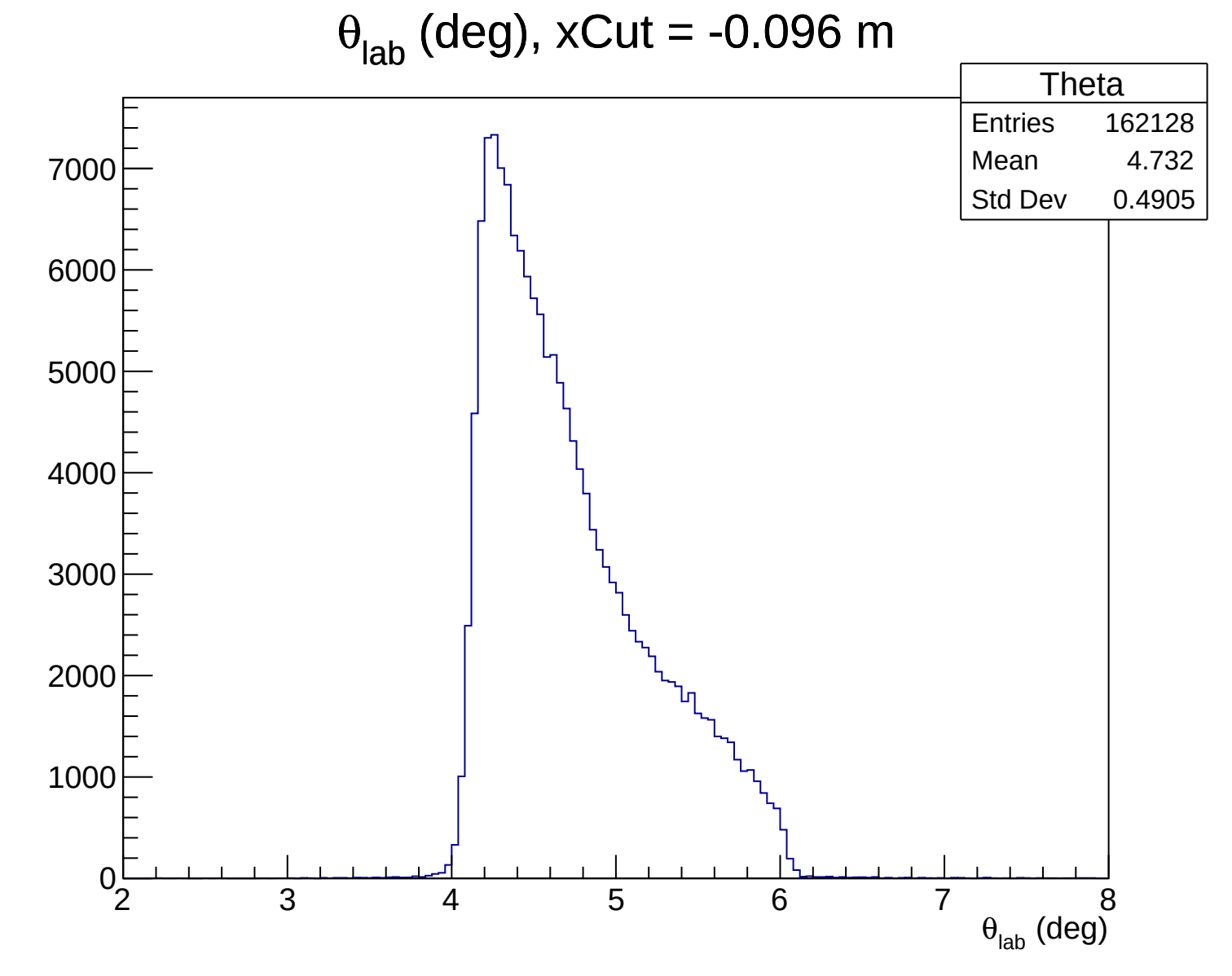

Sensitivity, xCut = -0.094 m
sens
Entries 159967
Mean 0.0217
Std Dev 0.00421
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

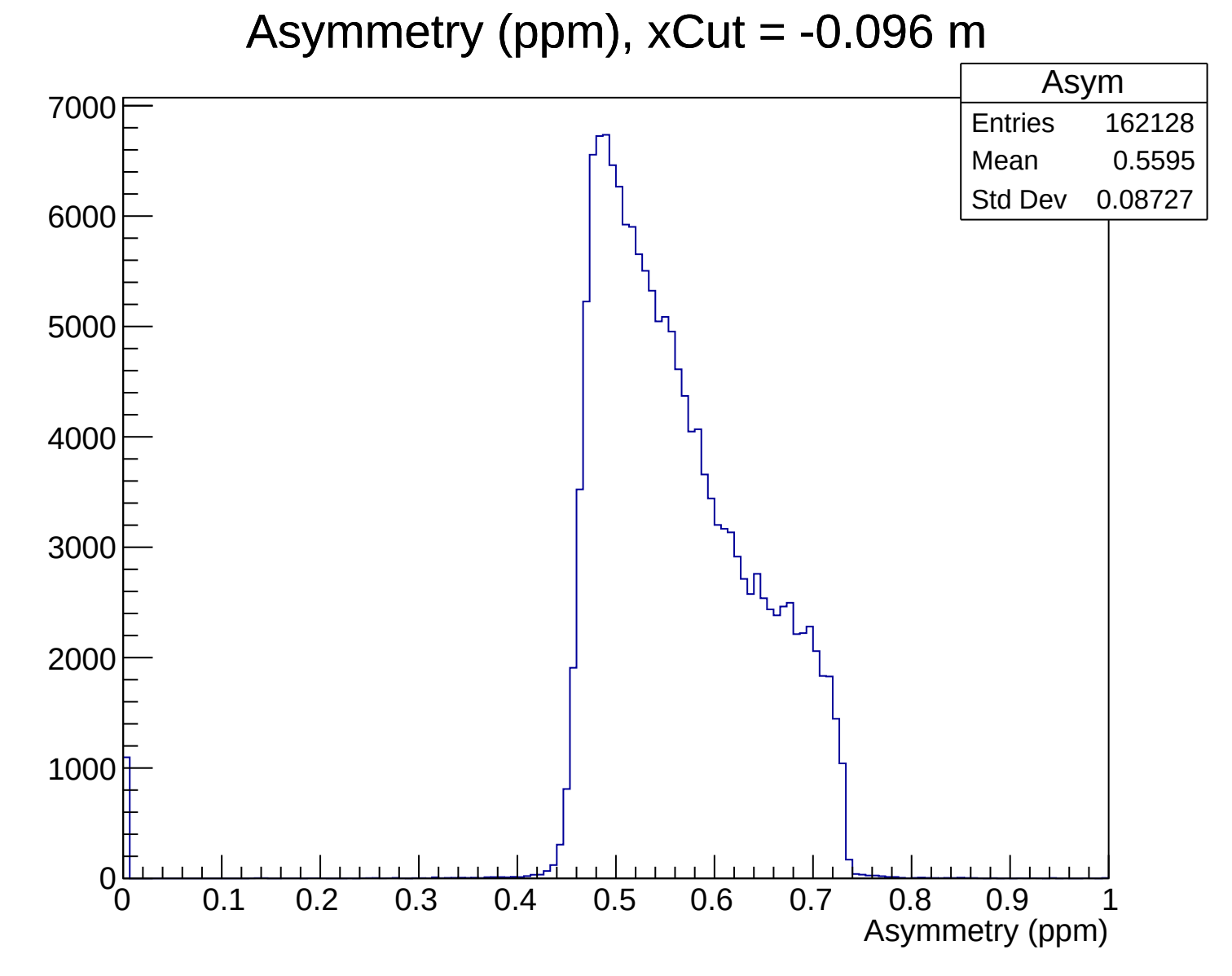

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

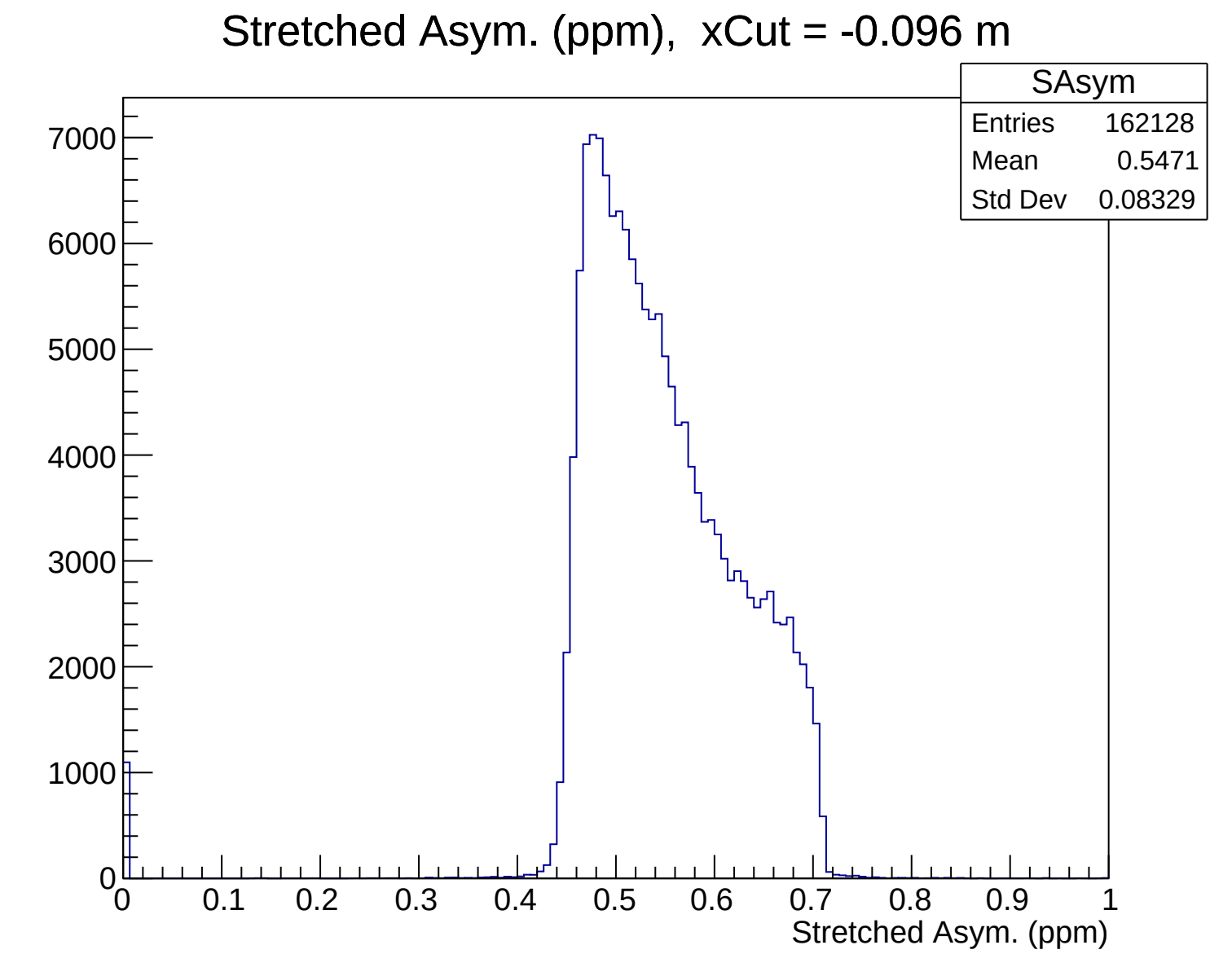

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

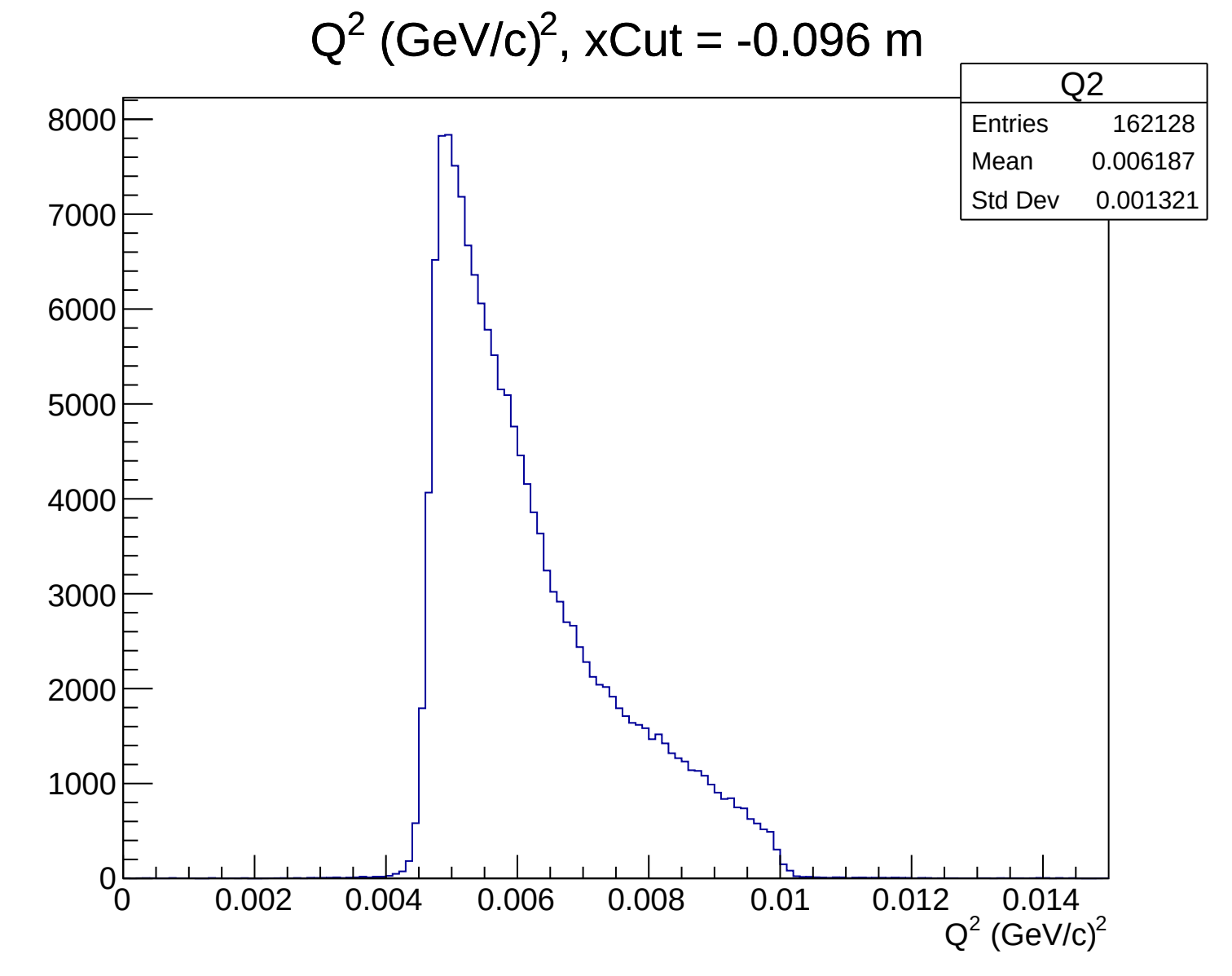

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.096
L.tr.x[0]+1.3*L.tr.th[0] (m)

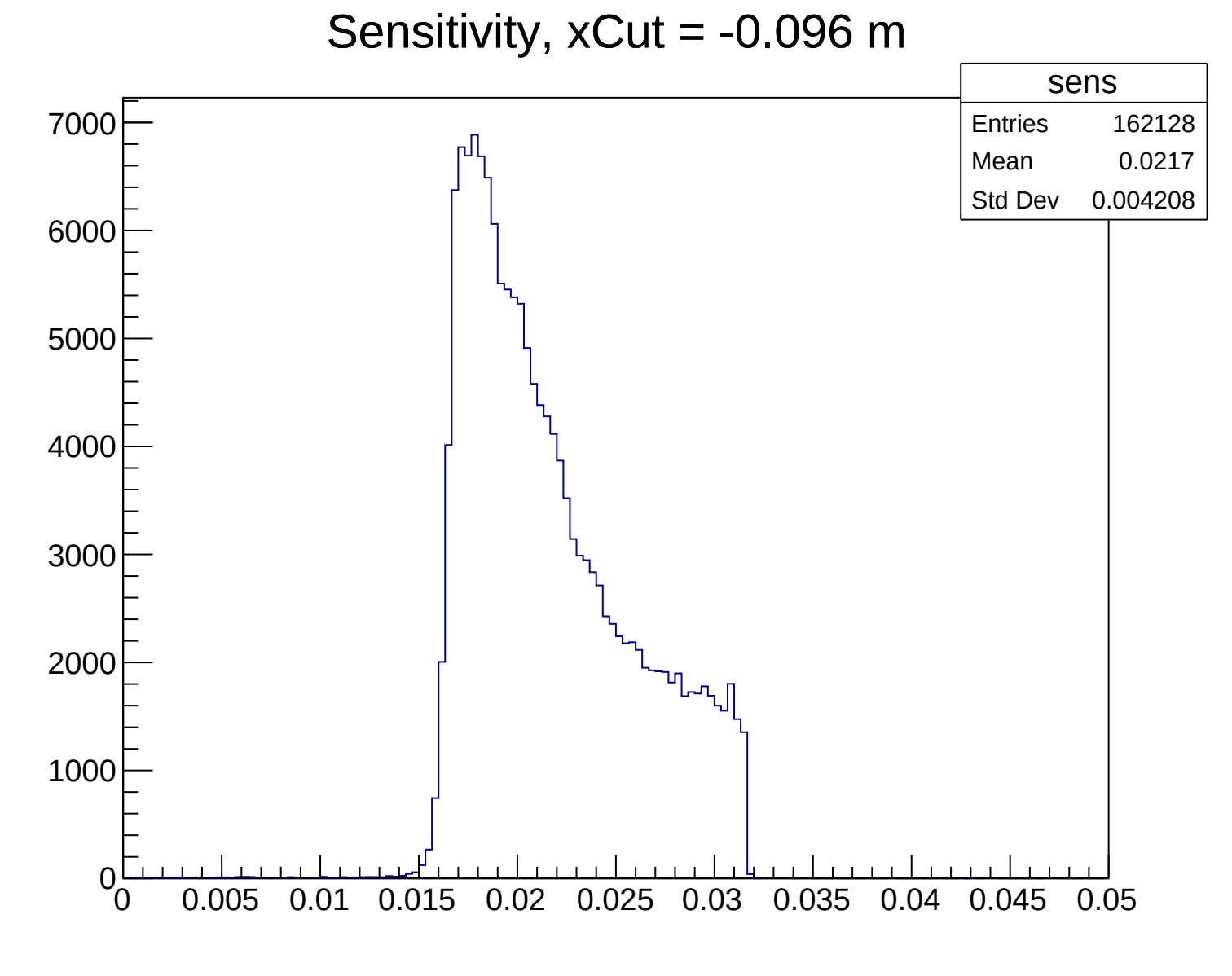

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

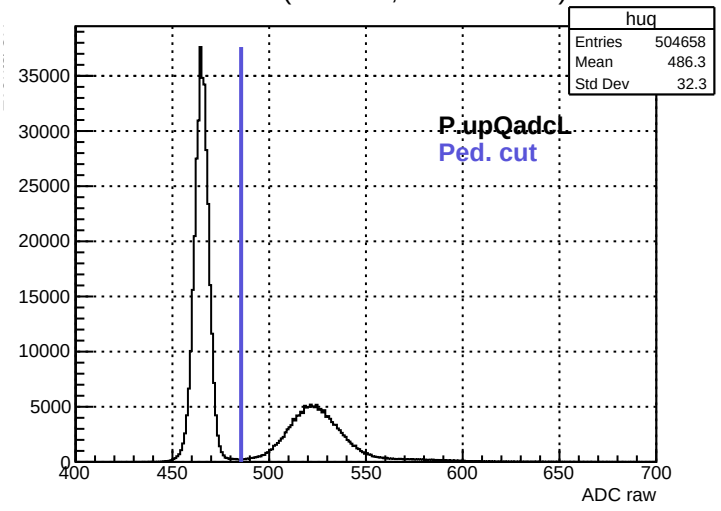

θlab (deg), xCut = -0.096 m
Theta
Entries 162128
Mean 4.732
Std Dev 0.4905
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

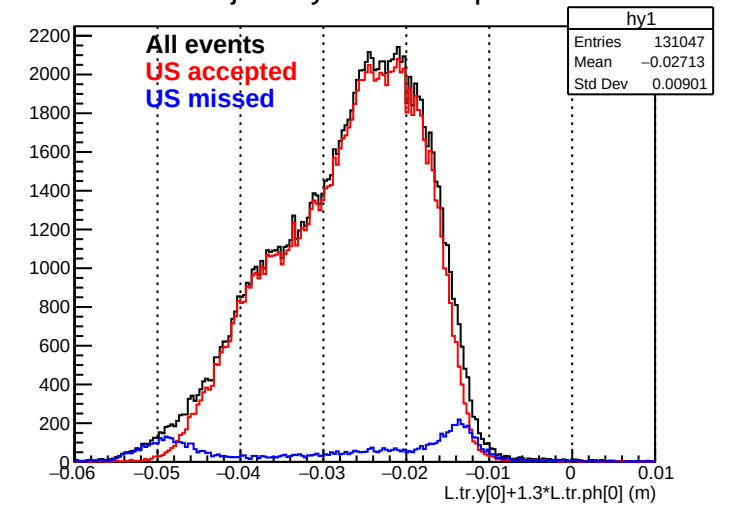

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 162128
Mean 0.5595
Std Dev 0.08727
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

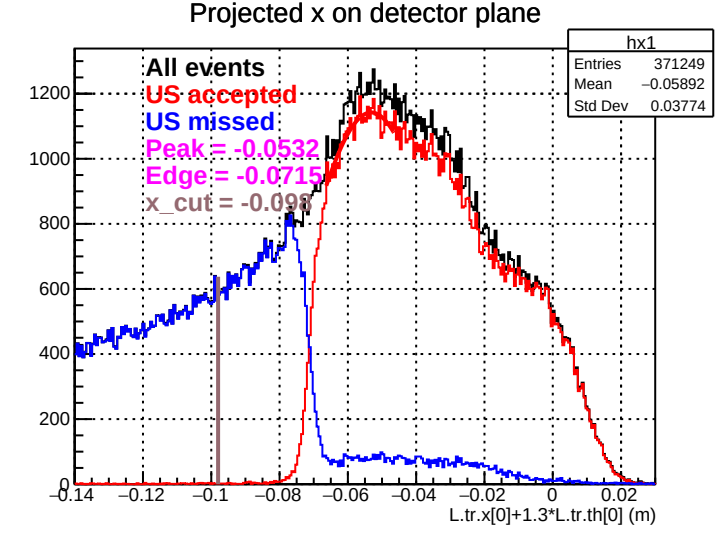

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 162128
Mean 0.5471
Std Dev 0.08329
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

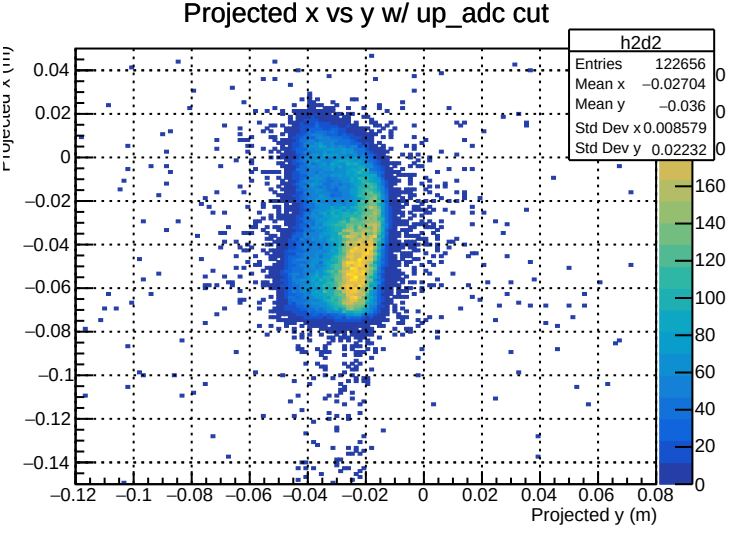

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 162128
Mean 0.006187
Std Dev 0.001321
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

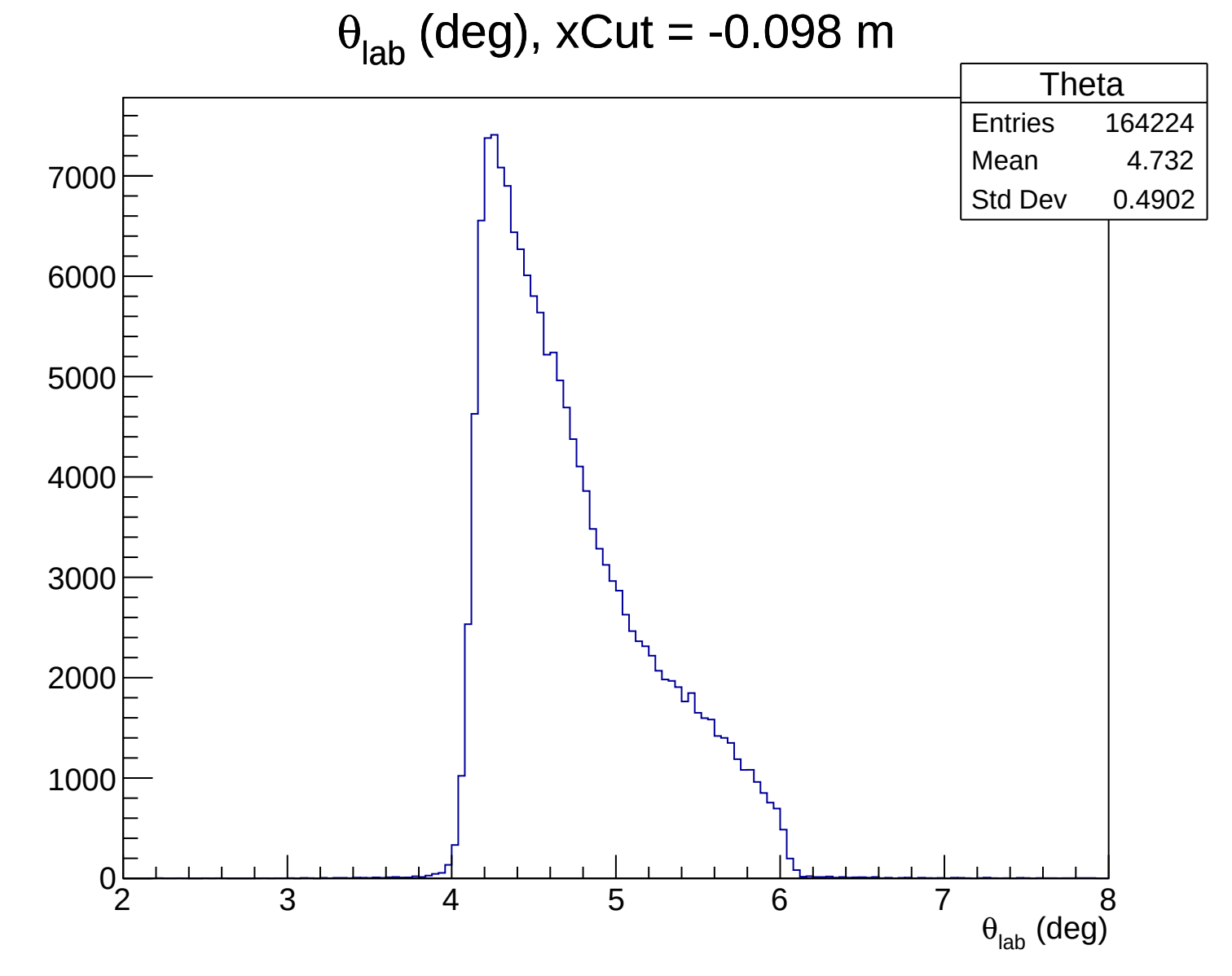

Sensitivity, xCut = -0.096 m
sens
Entries 162128
Mean 0.0217
Std Dev 0.004208
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

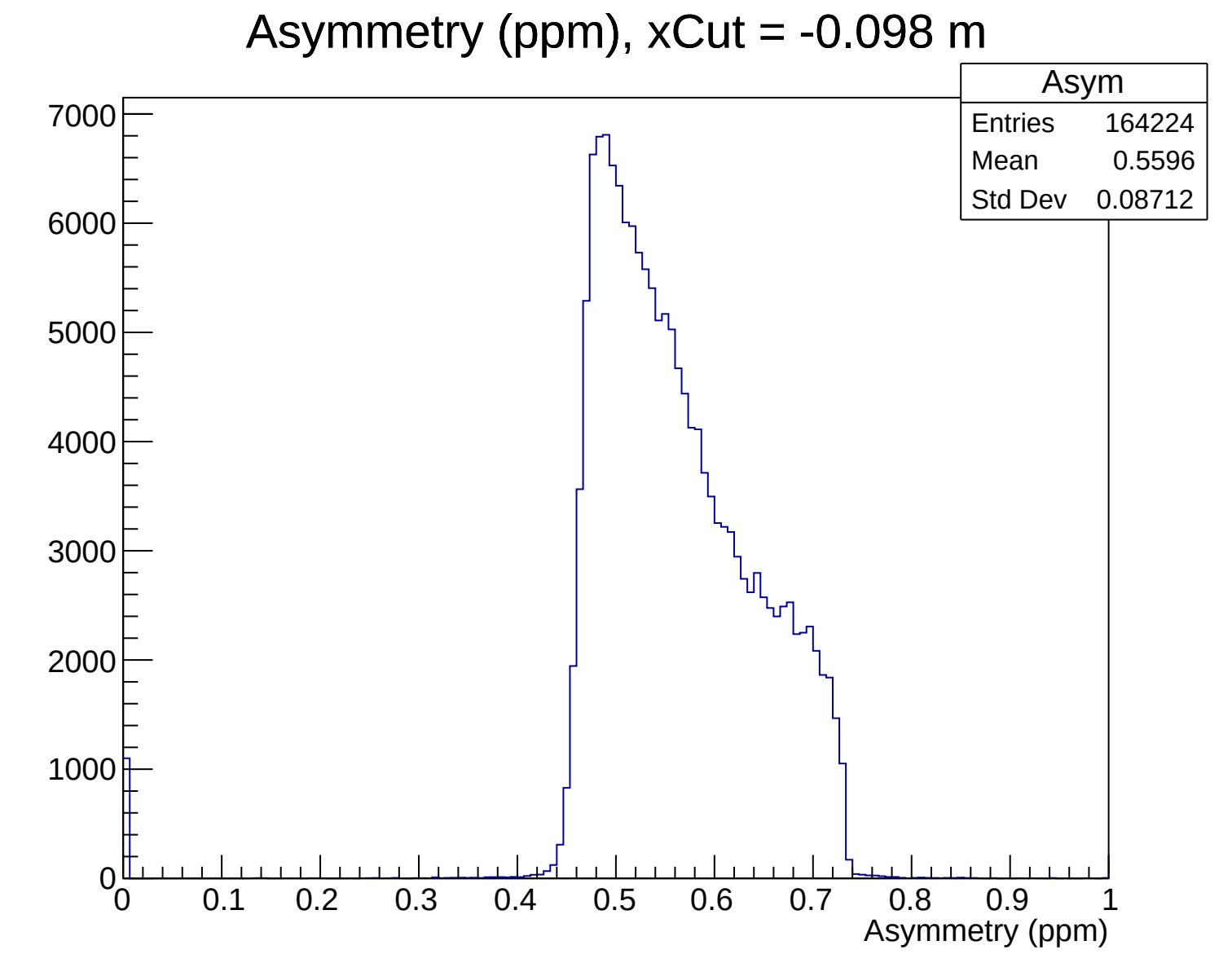

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

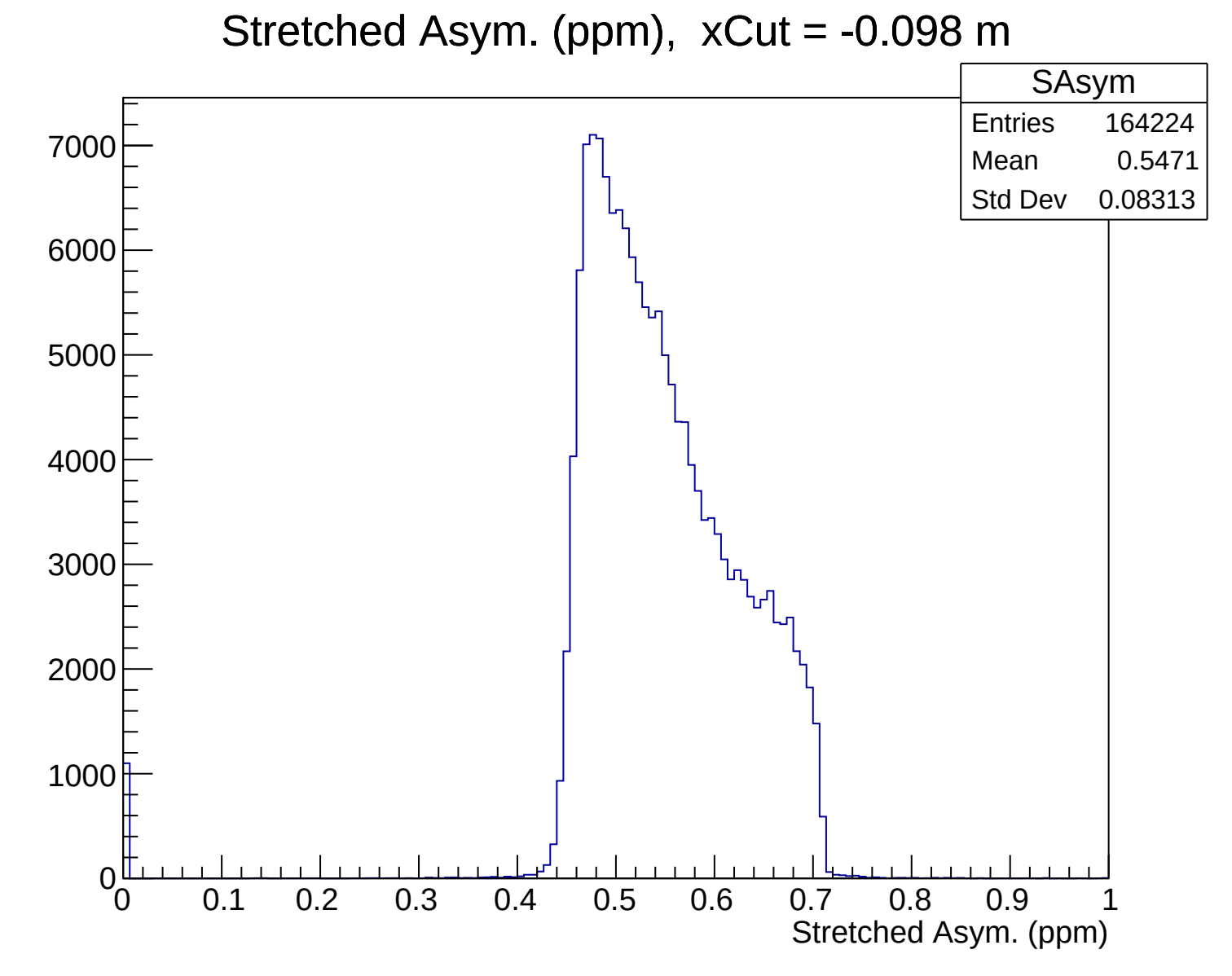

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

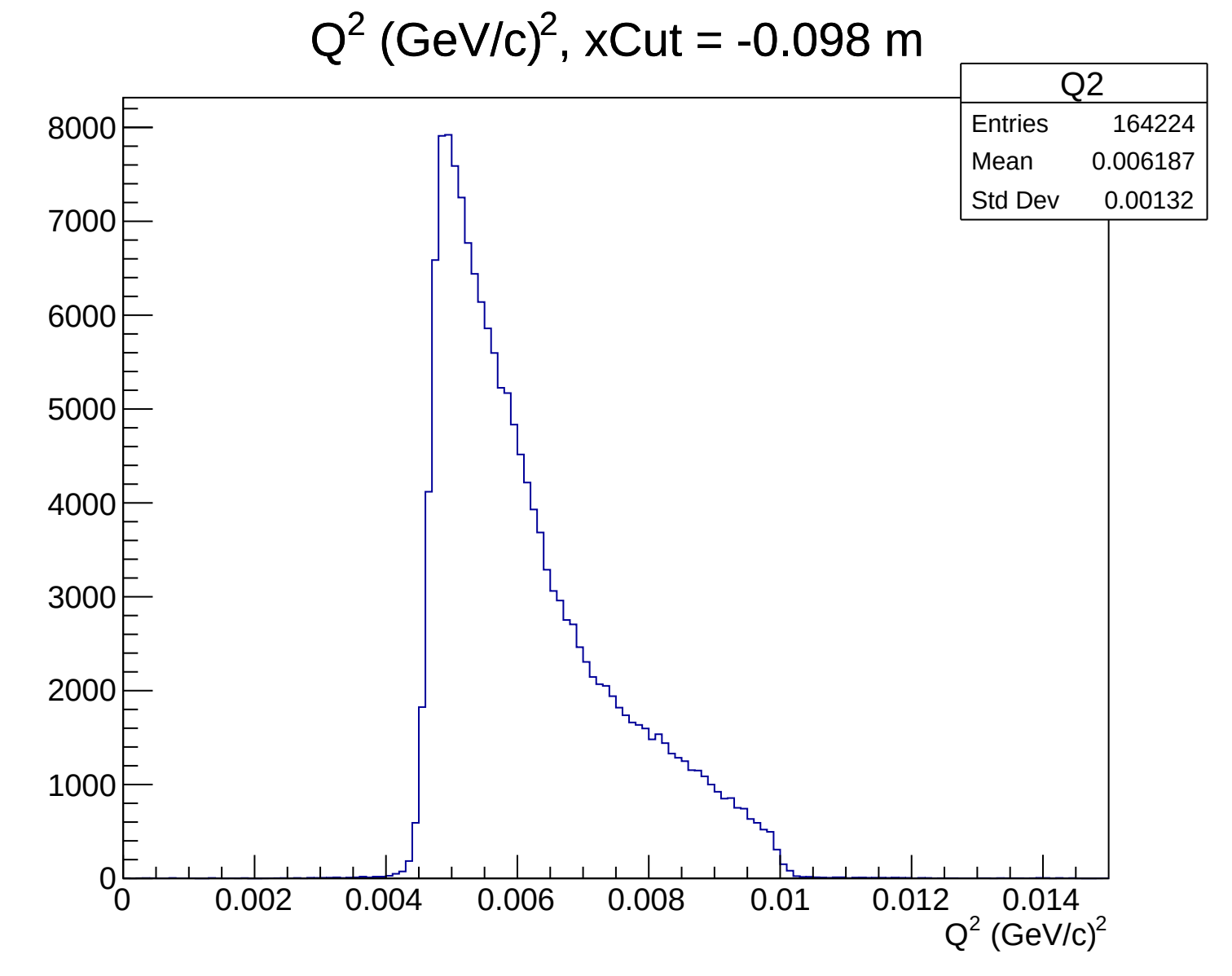

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.098
L.tr.x[0]+1.3*L.tr.th[0] (m)

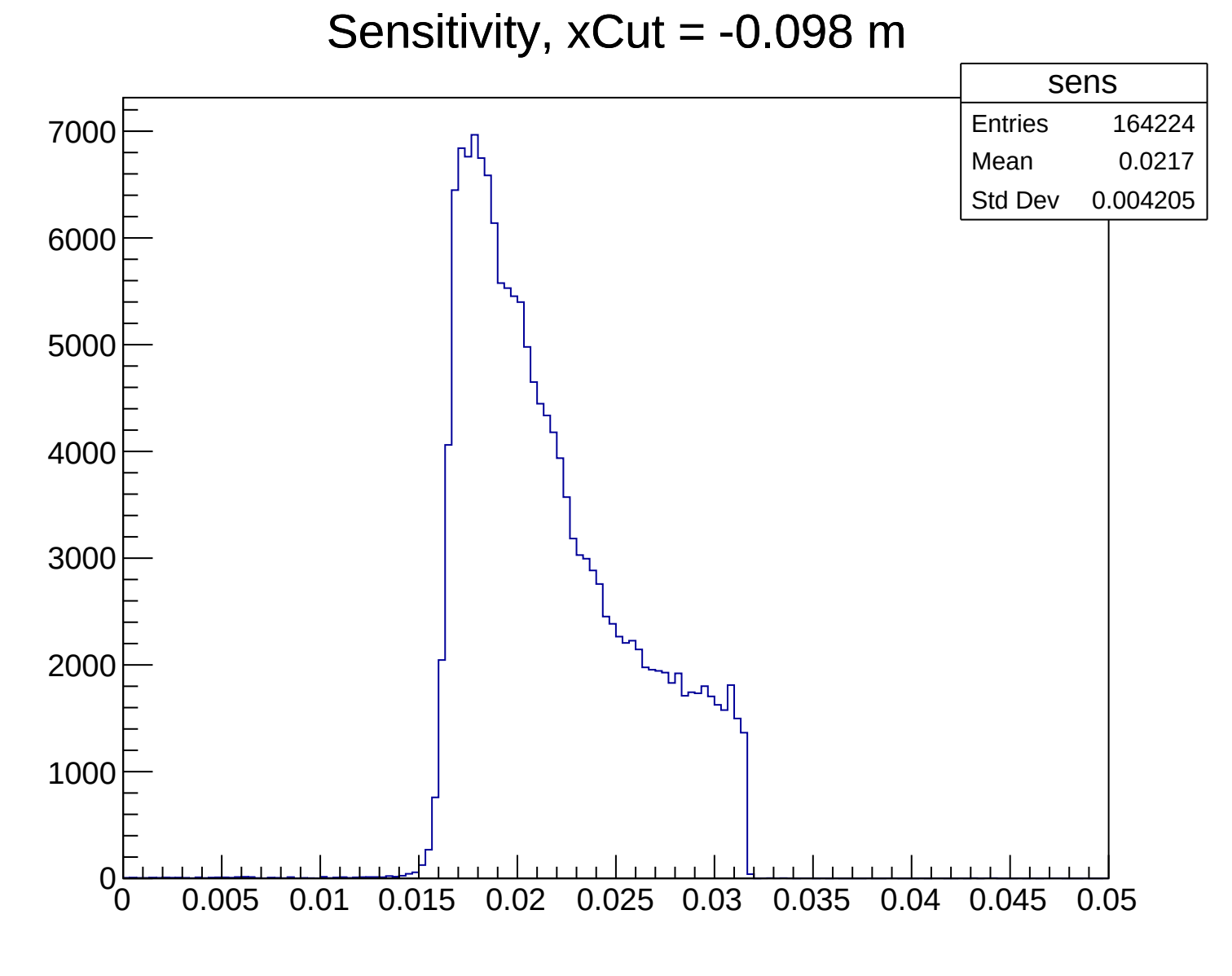

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

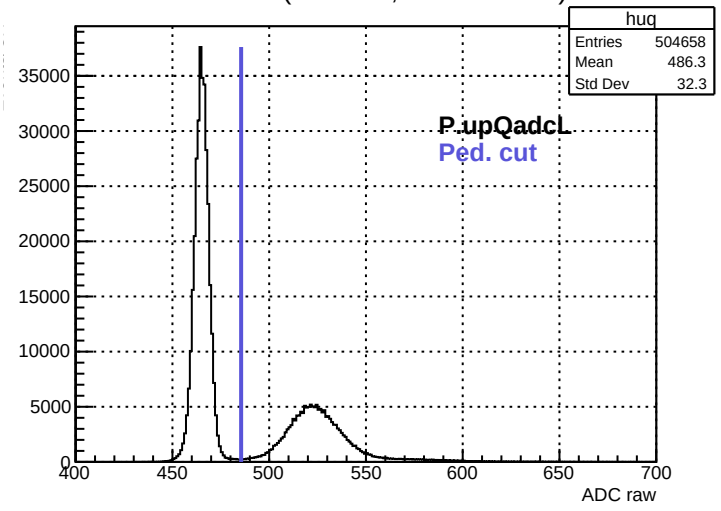

θlab (deg), xCut = -0.098 m
Theta
Entries 164224
Mean 4.732
Std Dev 0.4902
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

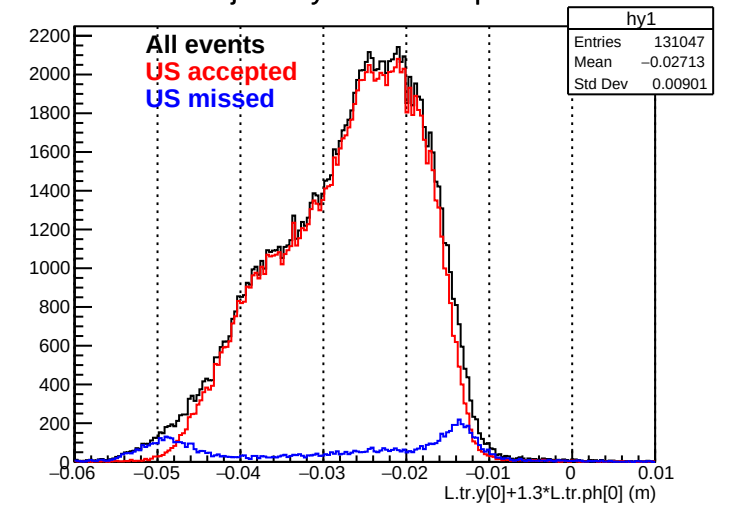

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 164224
Mean 0.5596
Std Dev 0.08712
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

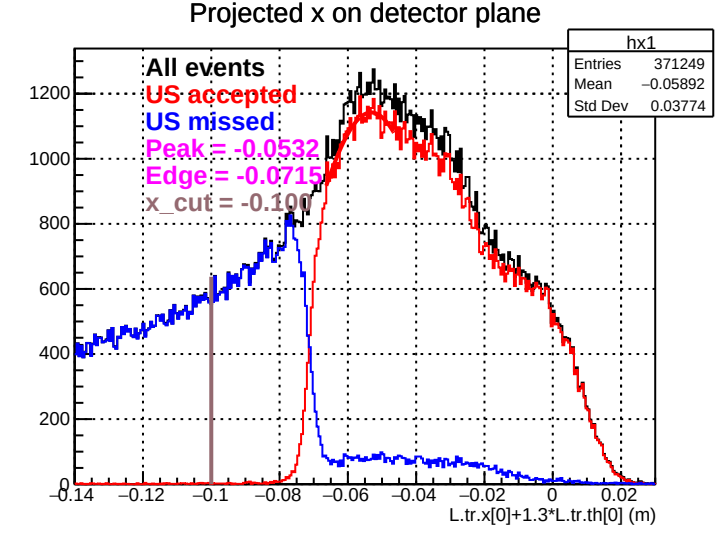

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 164224
Mean 0.5471
Std Dev 0.08313
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

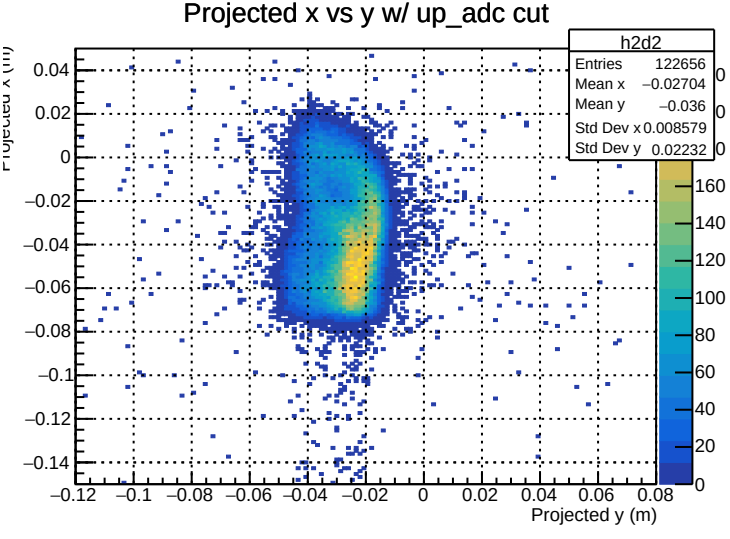

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 164224
Mean 0.006187
Std Dev 0.00132
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

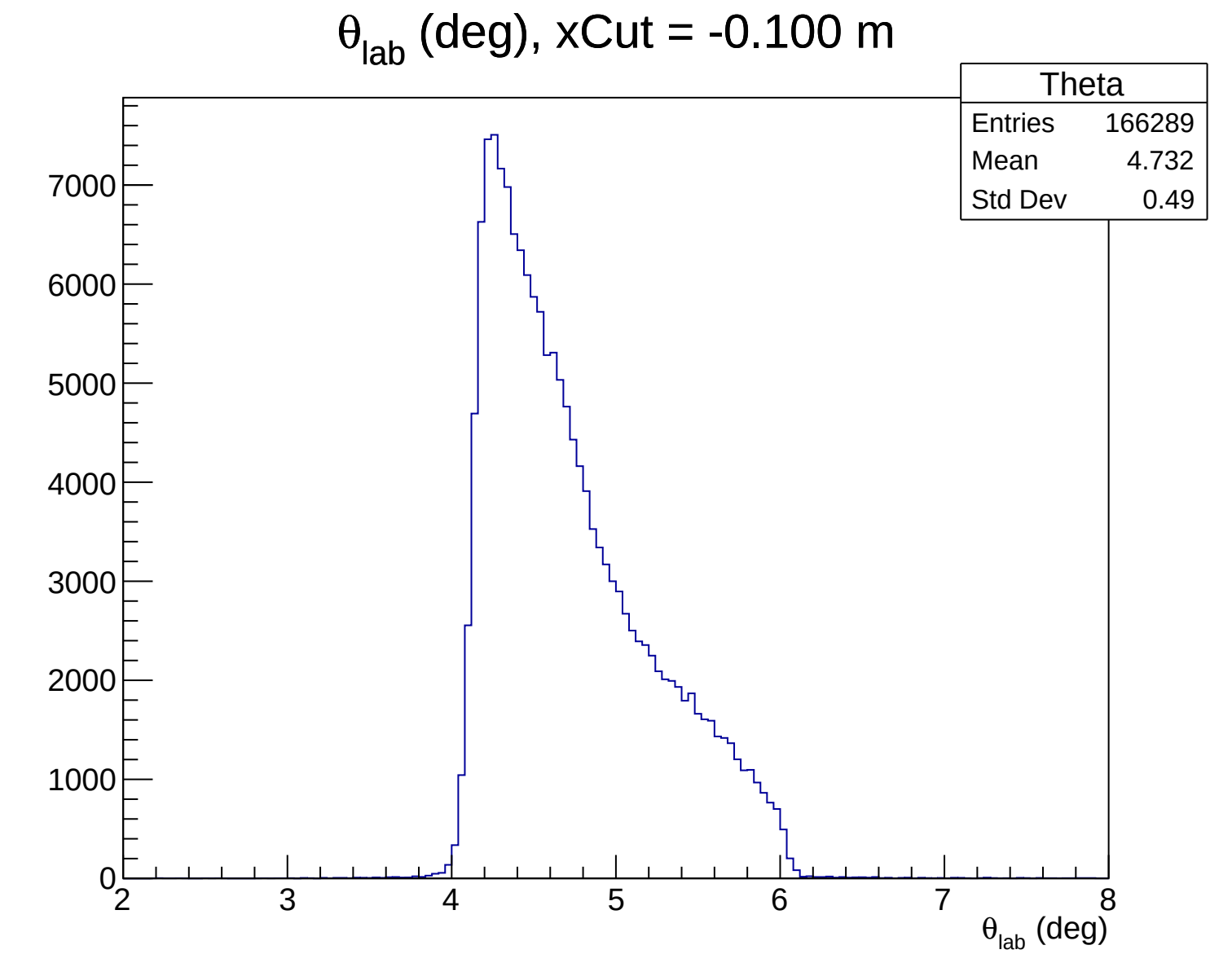

Sensitivity, xCut = -0.098 m
sens
Entries 164224
Mean 0.0217
Std Dev 0.004205
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

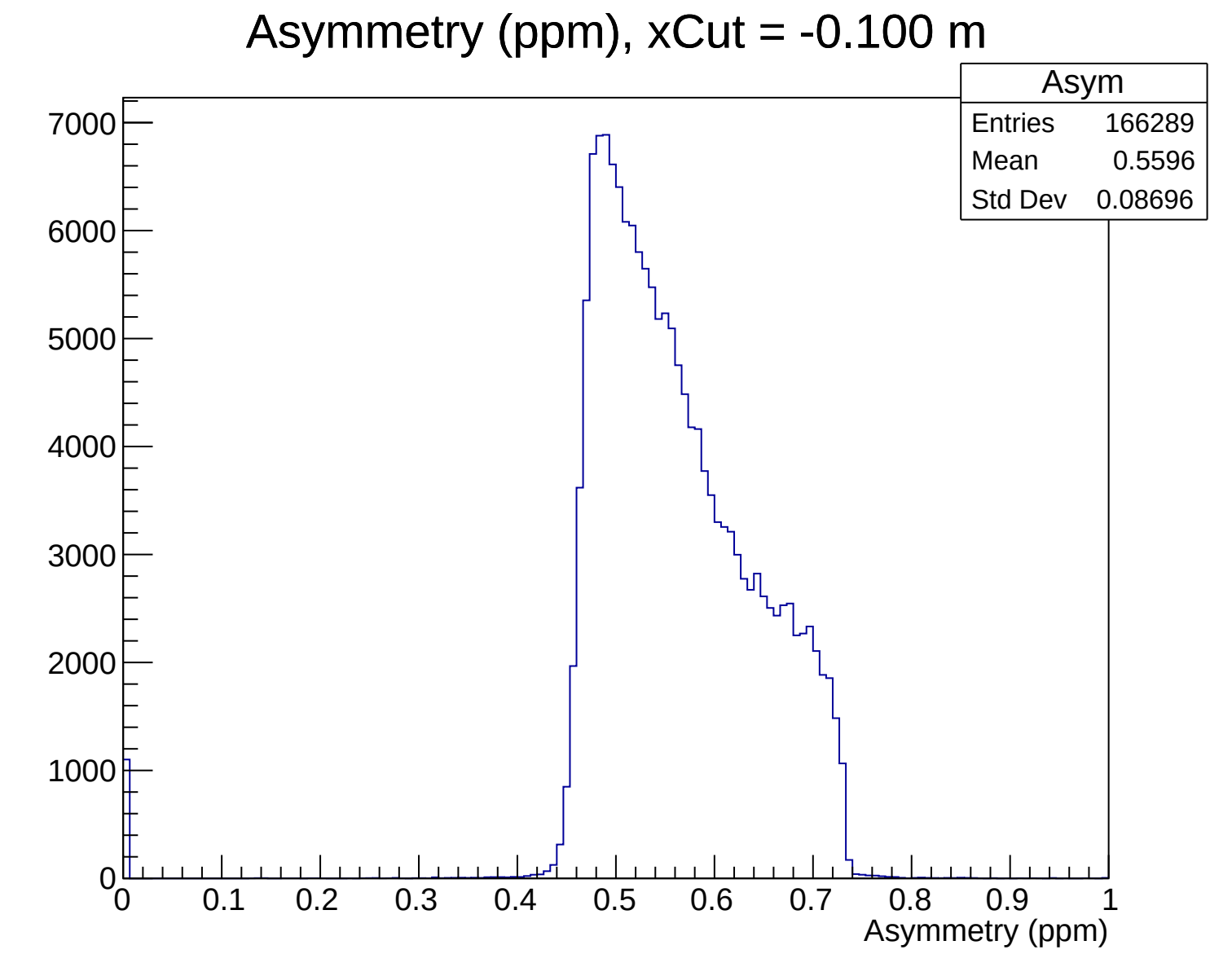

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

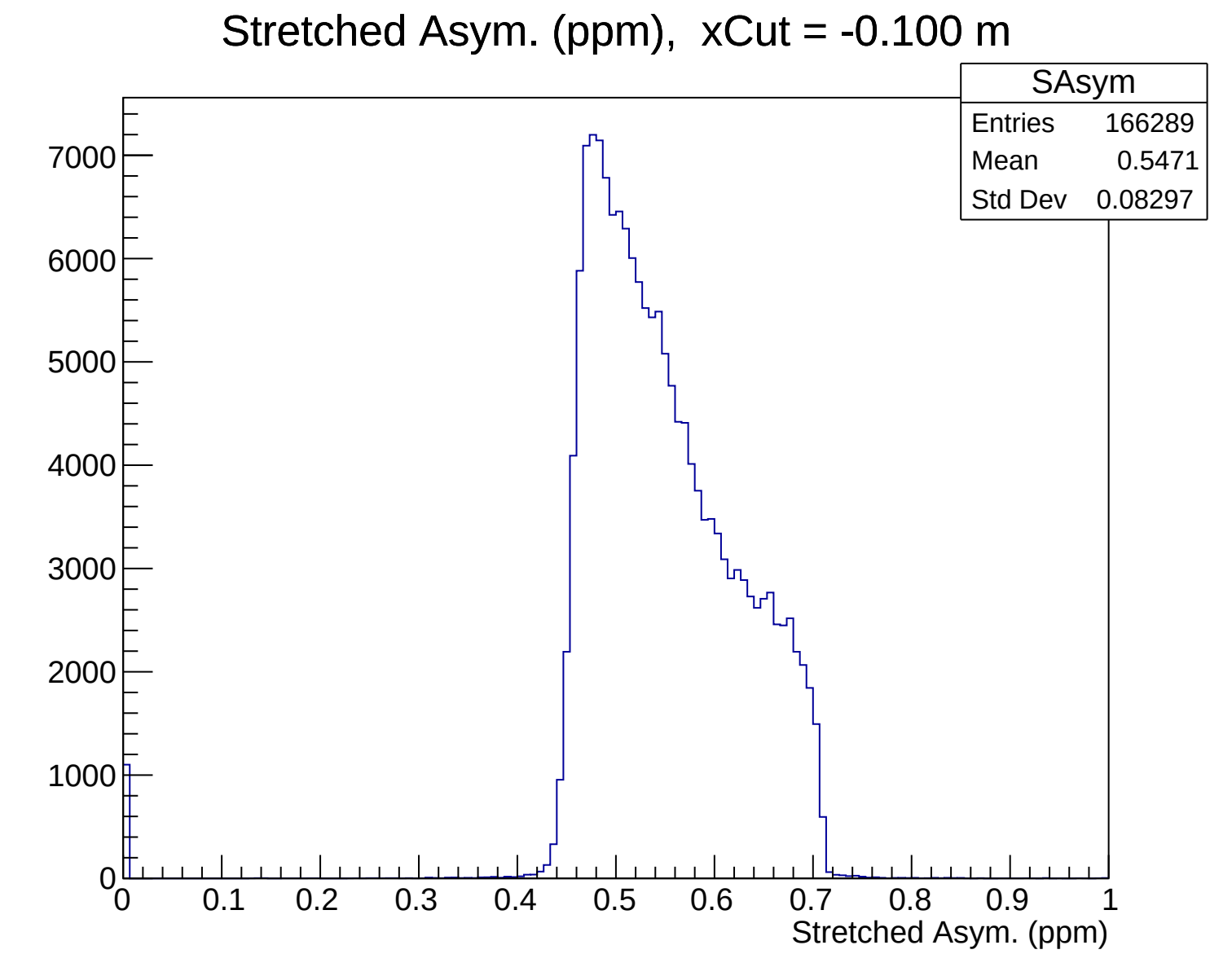

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

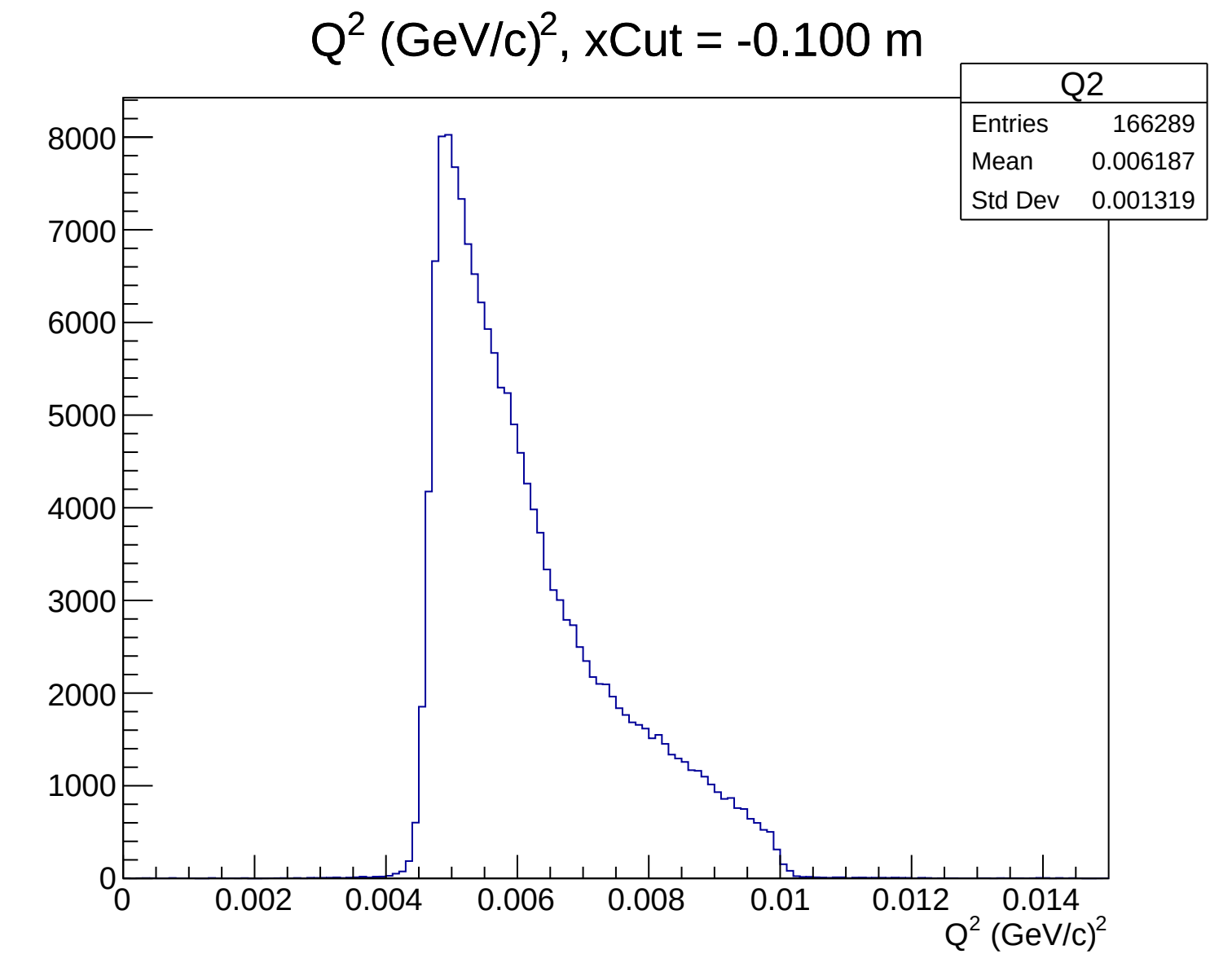

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.100
L.tr.x[0]+1.3*L.tr.th[0] (m)

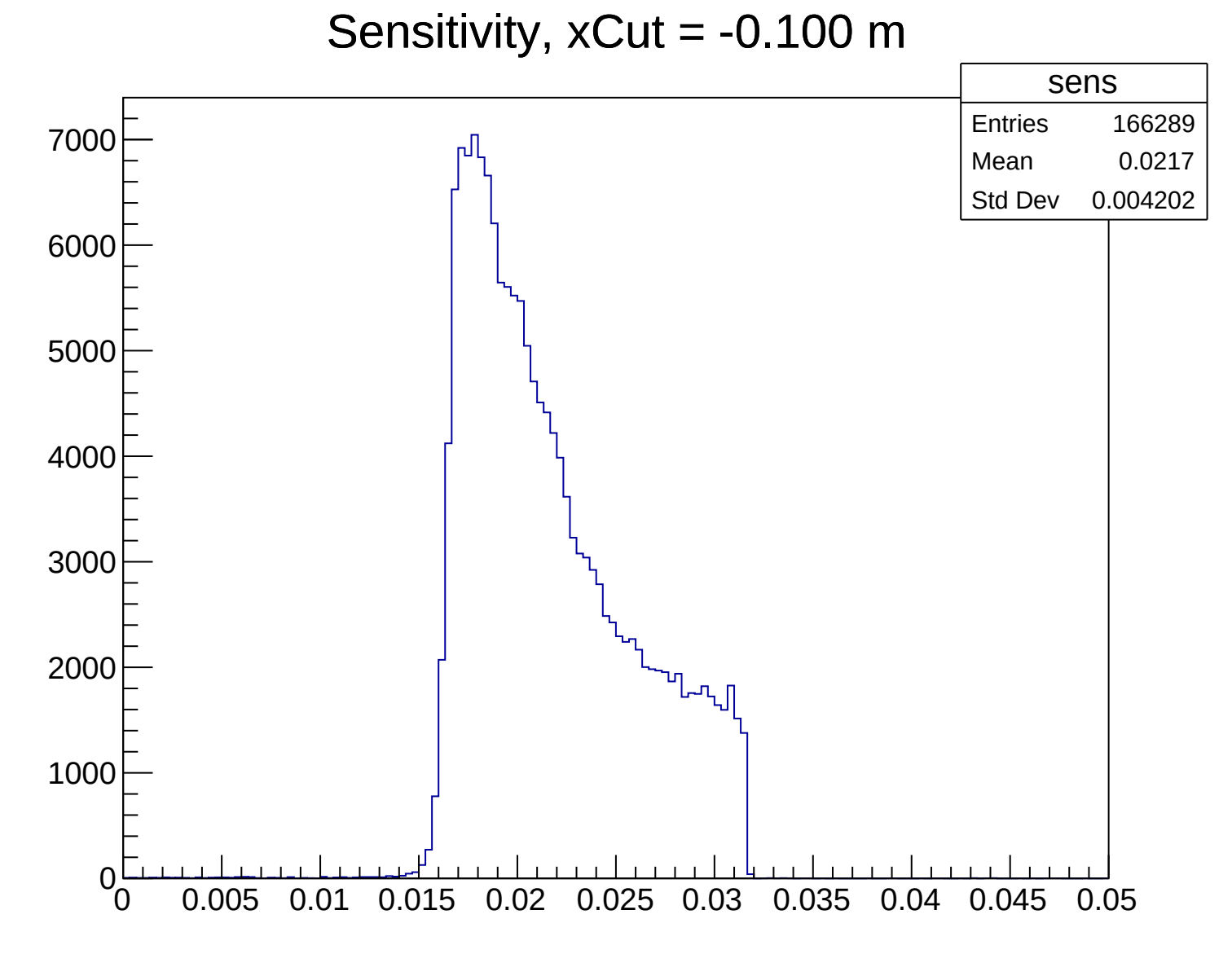

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

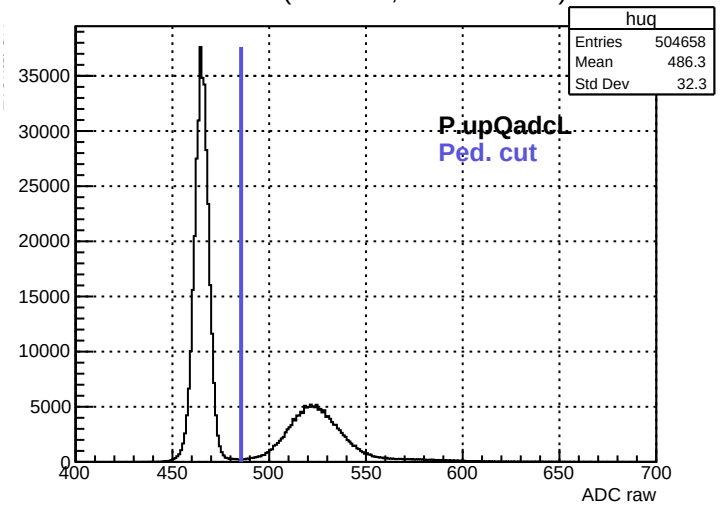

θlab (deg), xCut = -0.100 m
Theta
Entries 166289
Mean 4.732
Std Dev 0.49
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

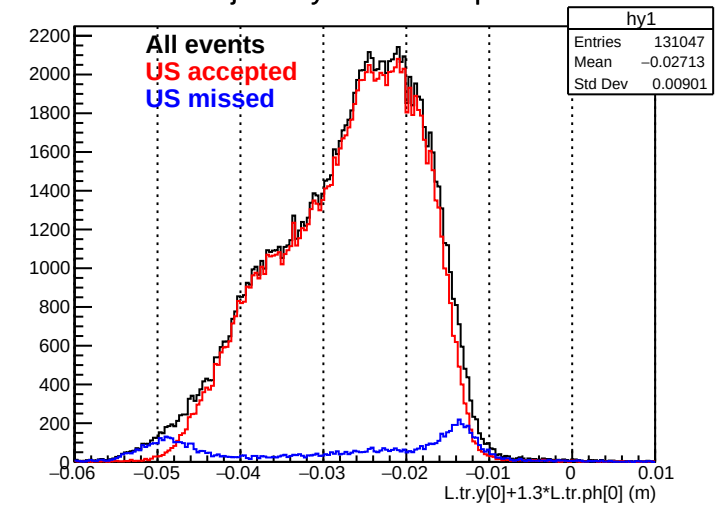

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 166289
Mean 0.5596
Std Dev 0.08696
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

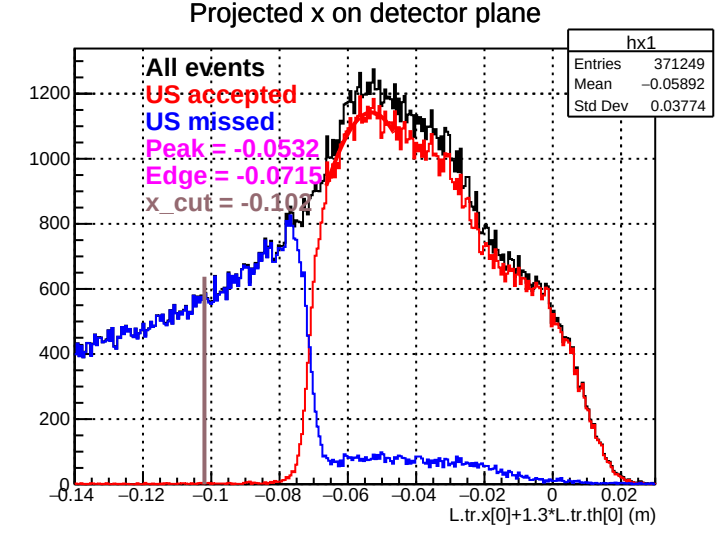

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 166289
Mean 0.5471
Std Dev 0.08297
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

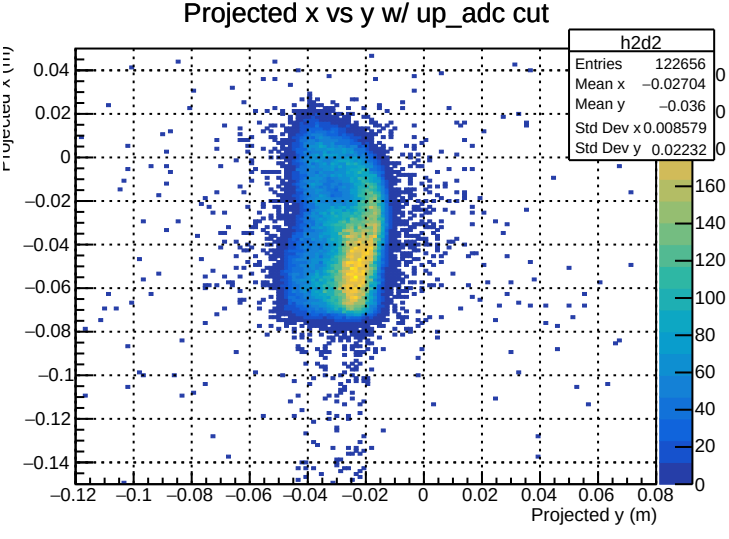

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 166289
Mean 0.006187
Std Dev 0.001319
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

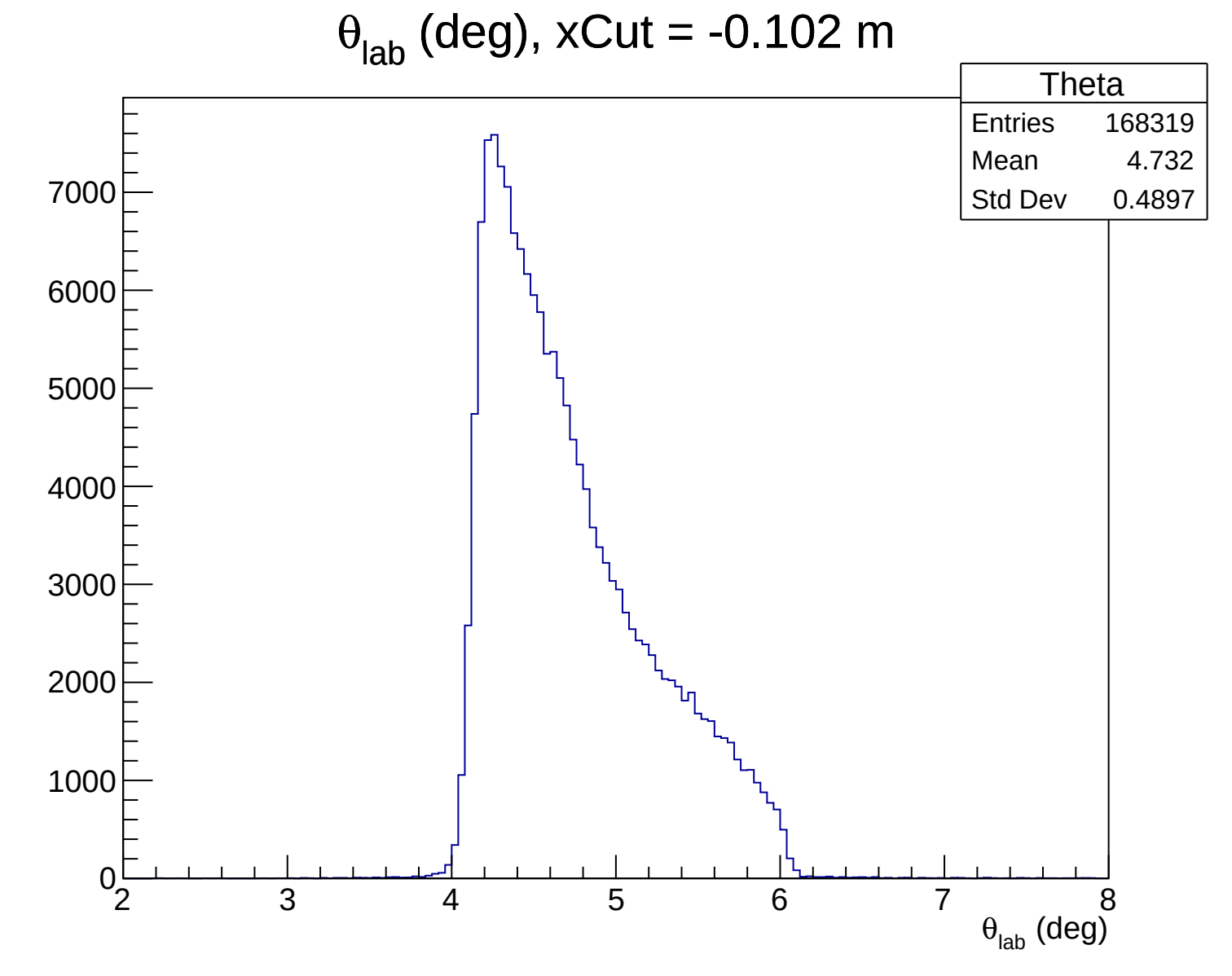

Sensitivity, xCut = -0.100 m
sens
Entries 166289
Mean 0.0217
Std Dev 0.004202
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

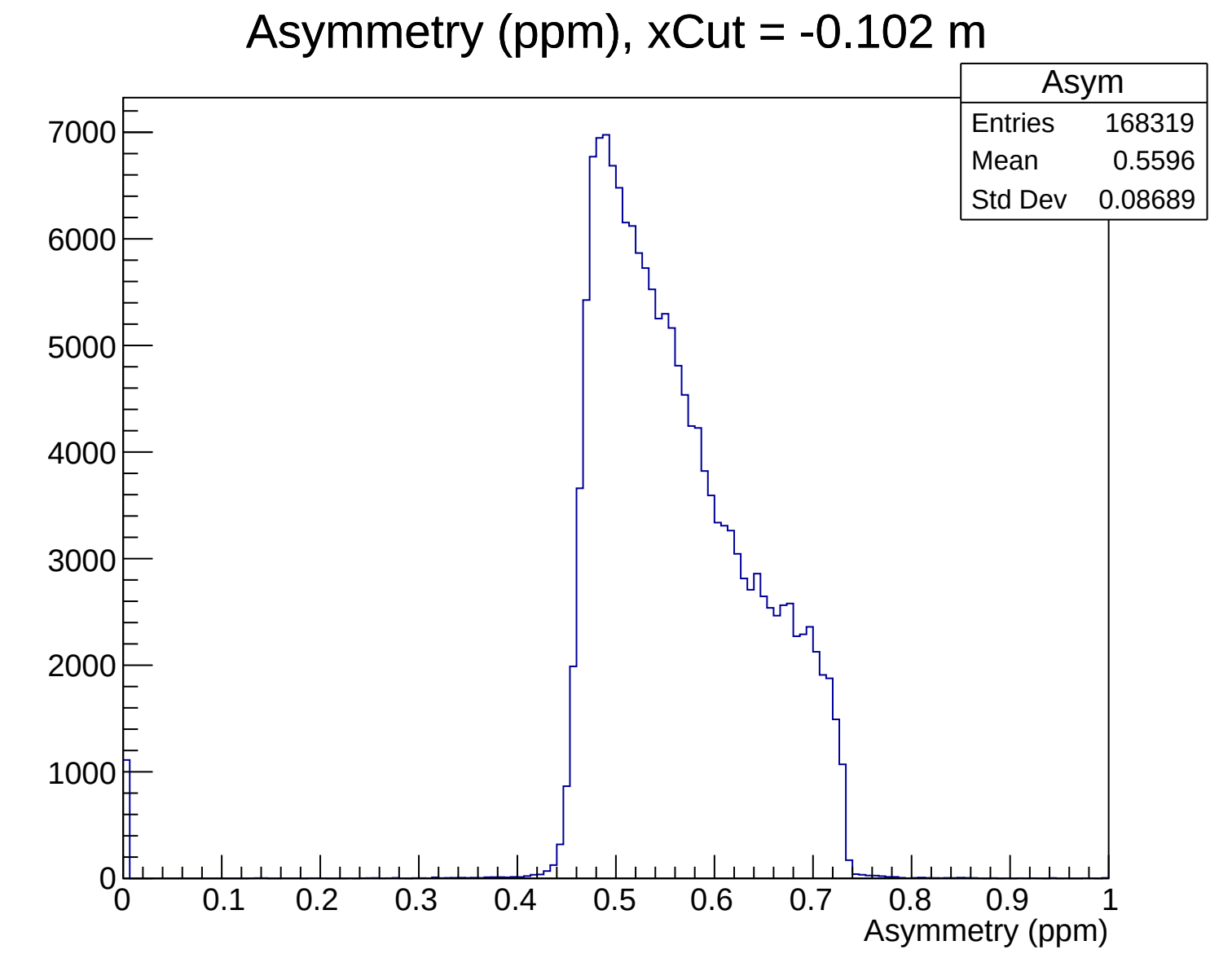

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

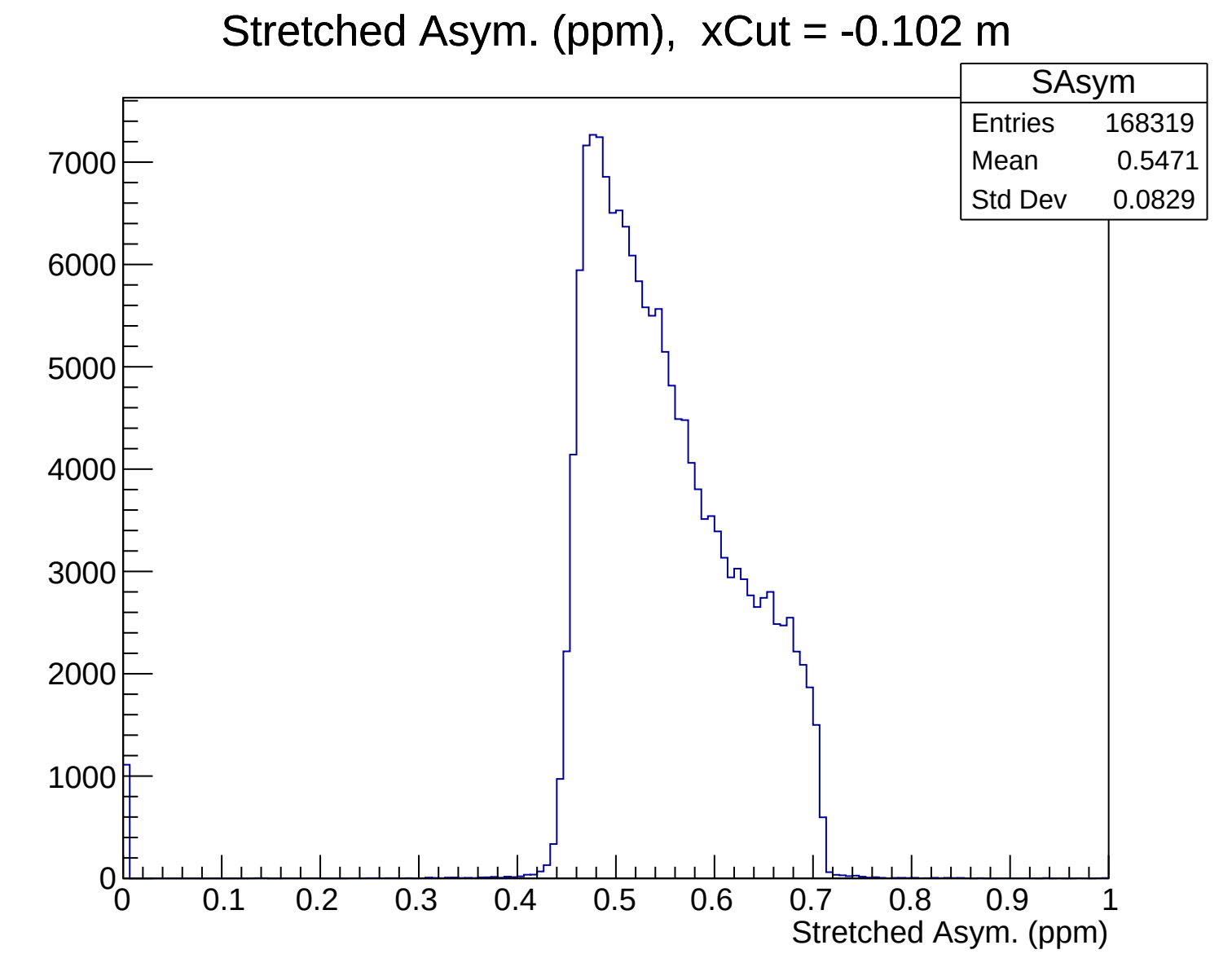

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

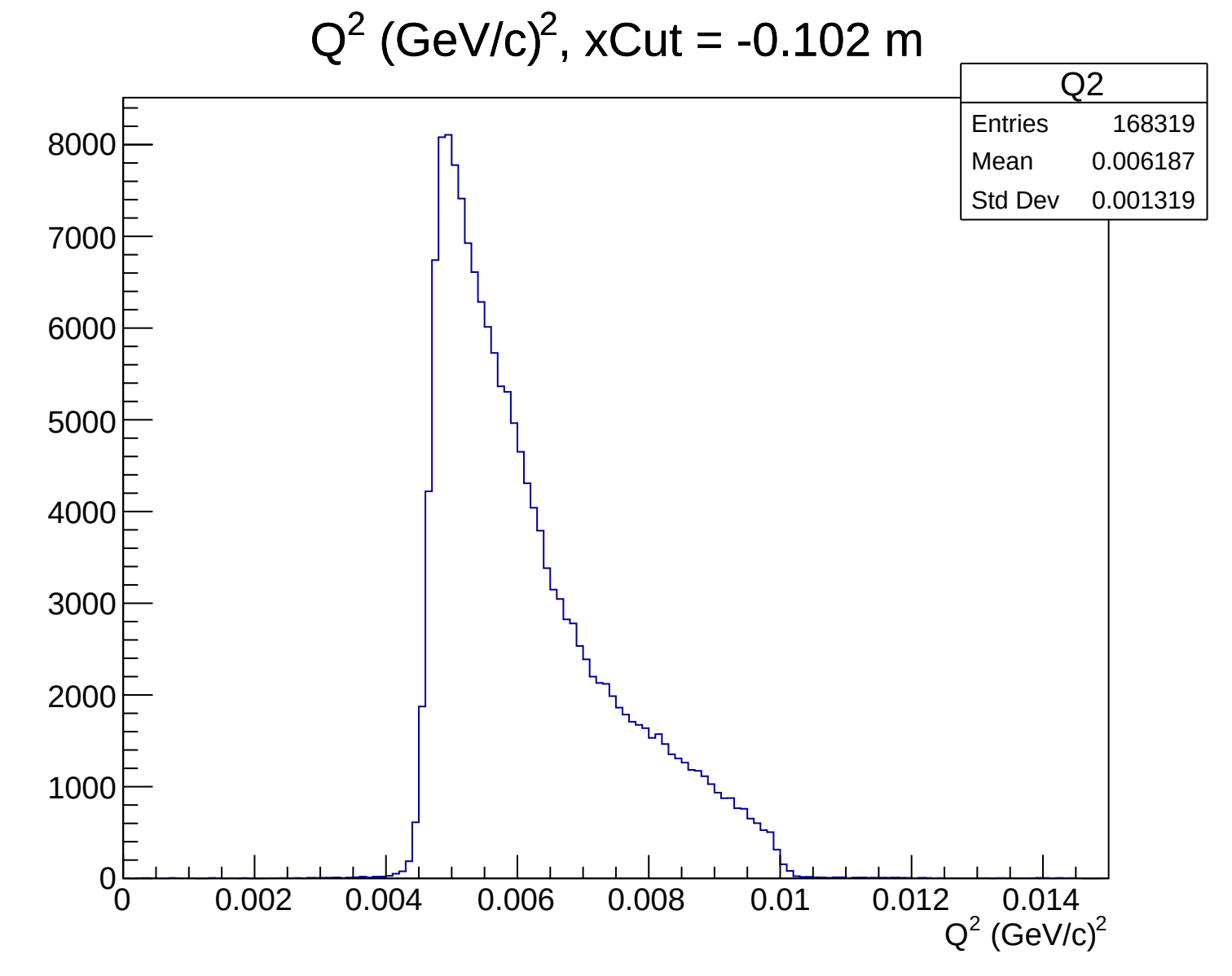

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.103
L.tr.x[0]+1.3*L.tr.th[0] (m)

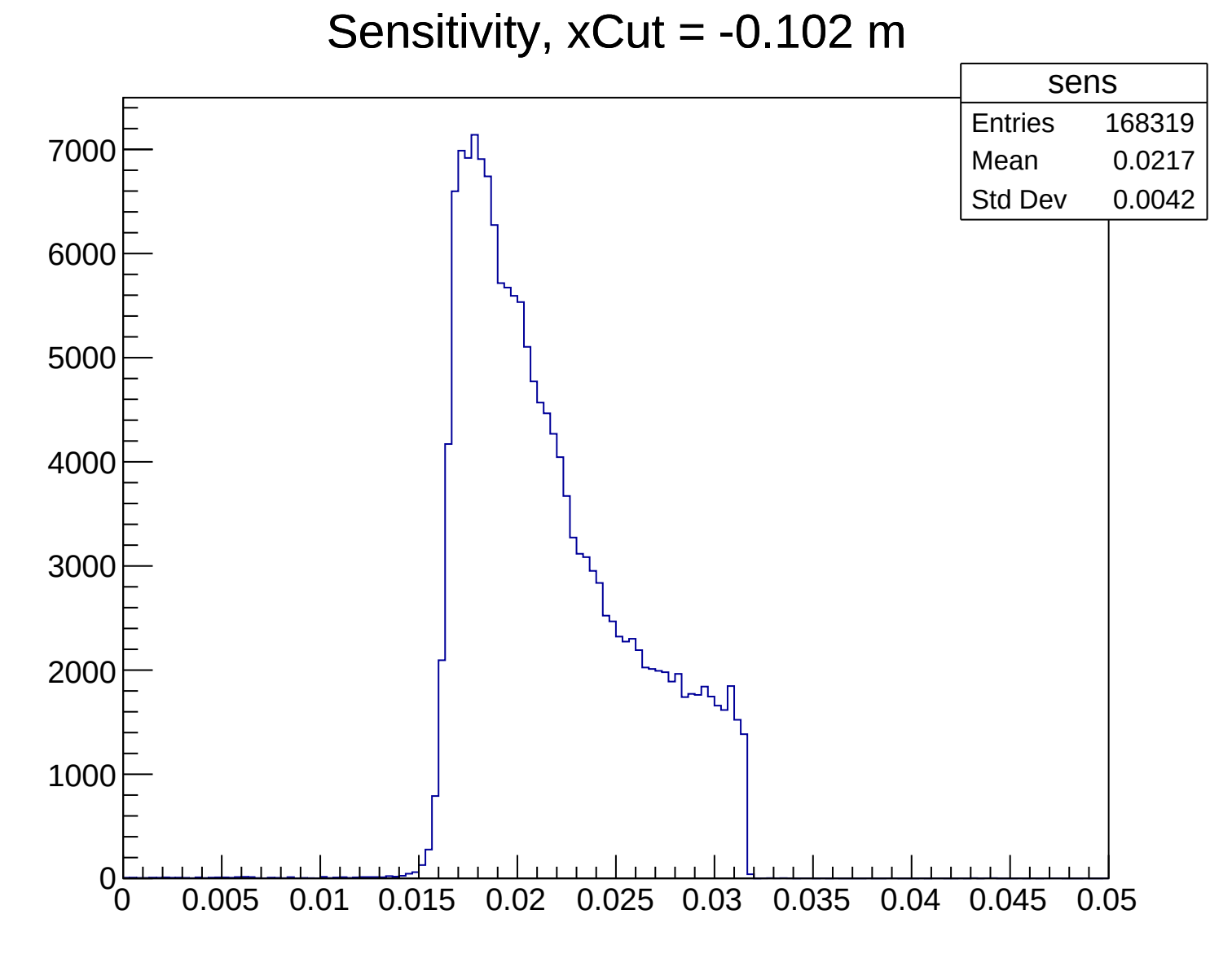

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

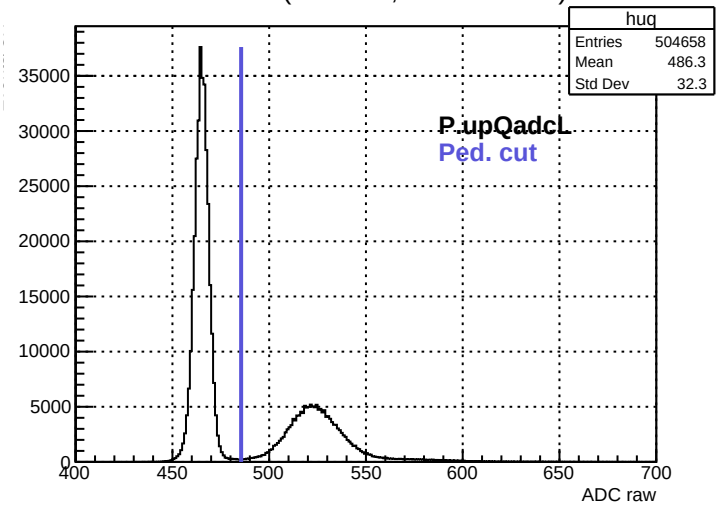

θlab (deg), xCut = -0.102 m
Theta
Entries 168319
Mean 4.732
Std Dev 0.4897
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

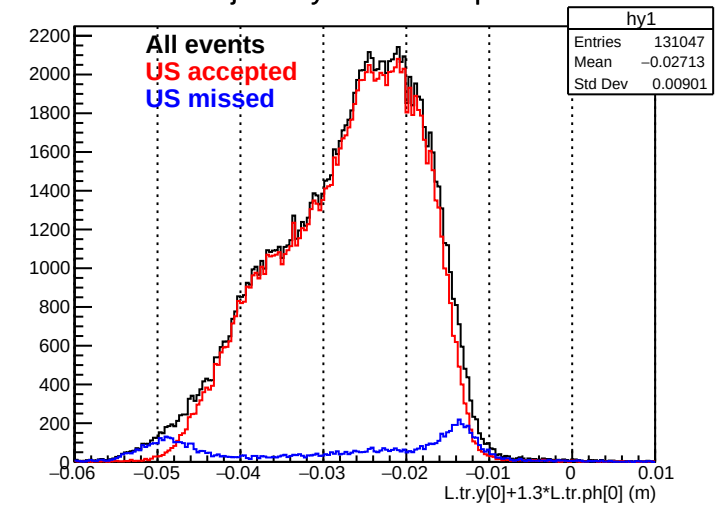

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 168319
Mean 0.5596
Std Dev 0.08689
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

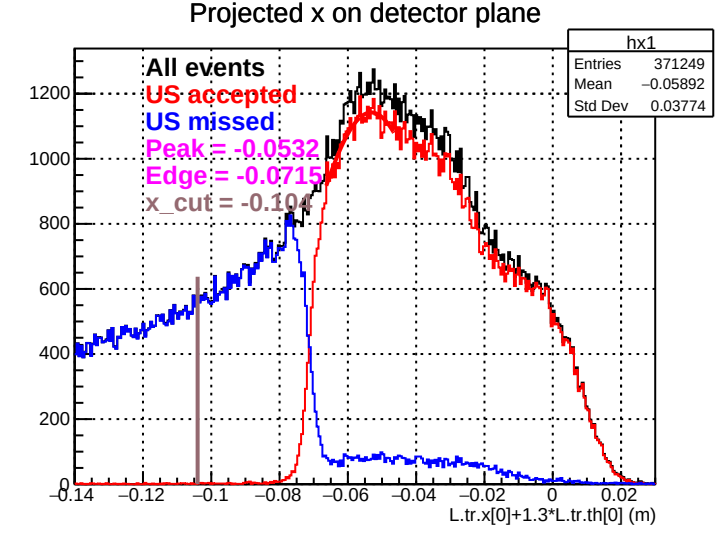

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 168319
Mean 0.5471
Std Dev 0.0829
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

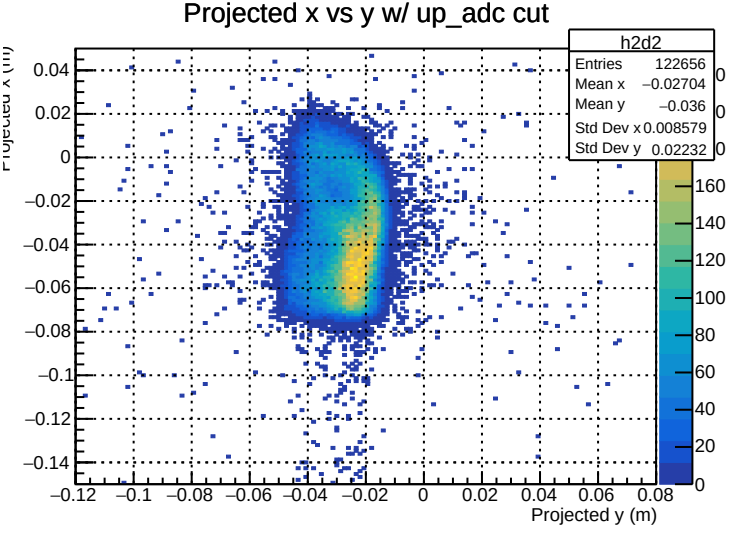

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 168319
Mean 0.006187
Std Dev 0.001319
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

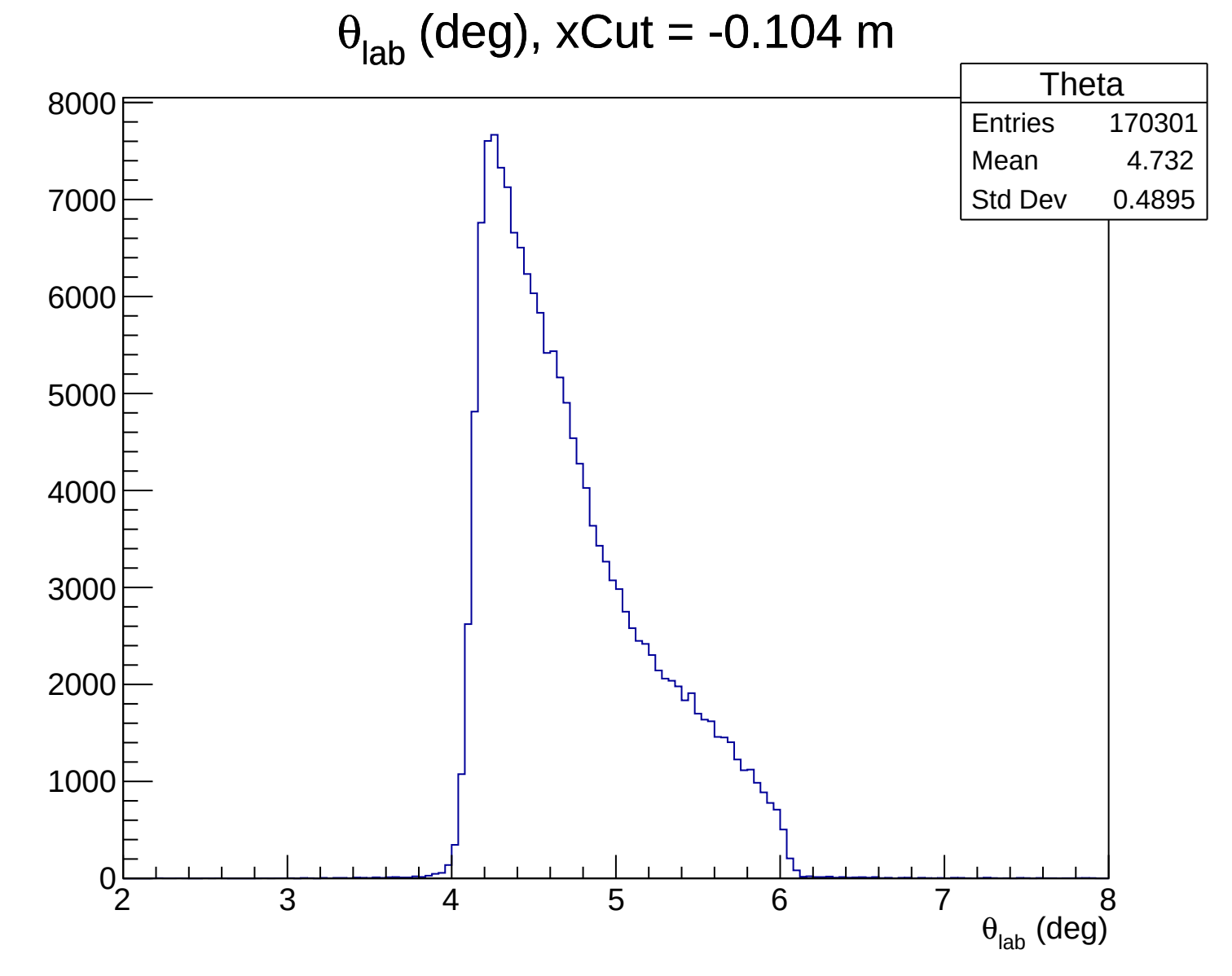

Sensitivity, xCut = -0.102 m
sens
Entries 168319
Mean 0.0217
Std Dev 0.0042
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

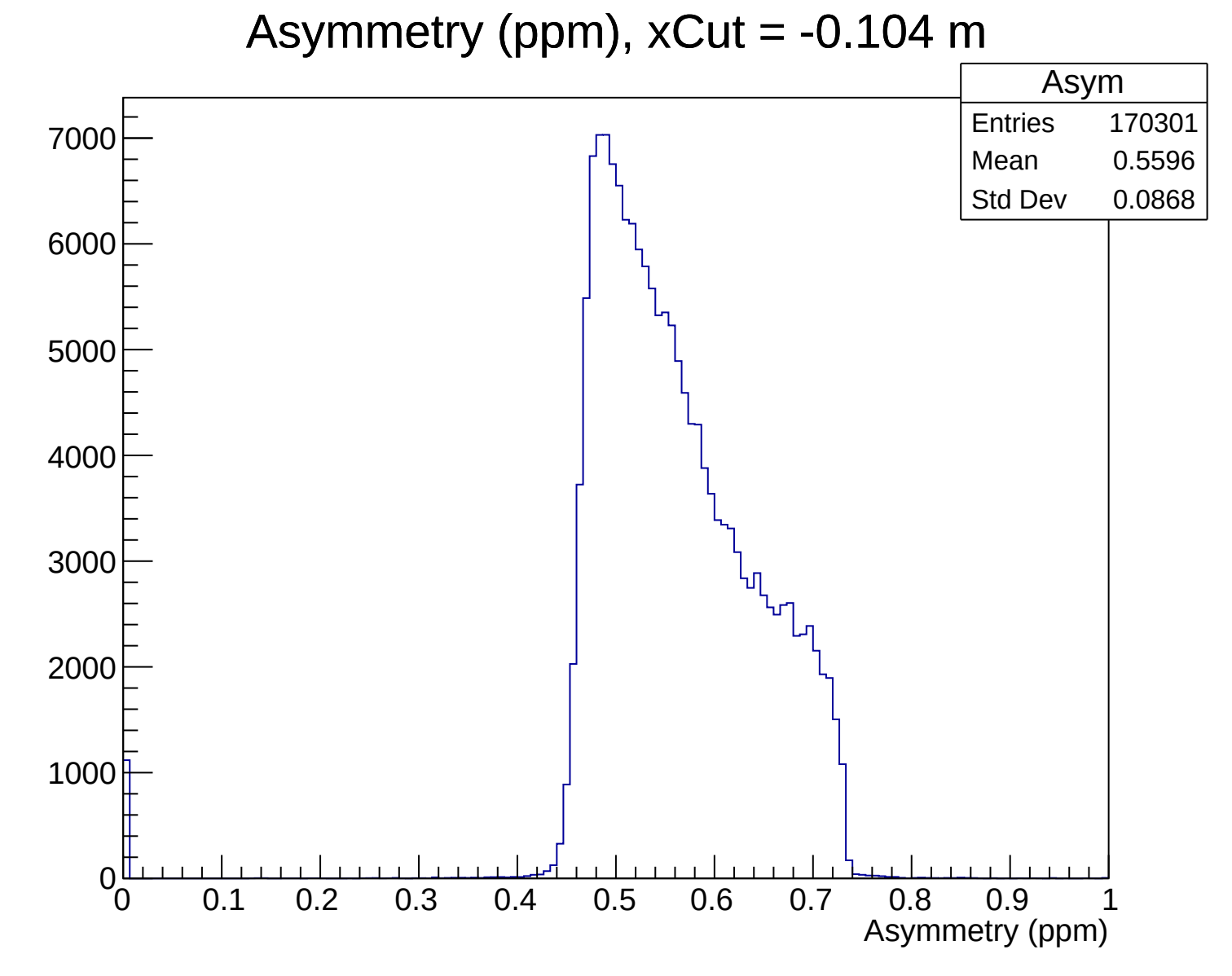

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

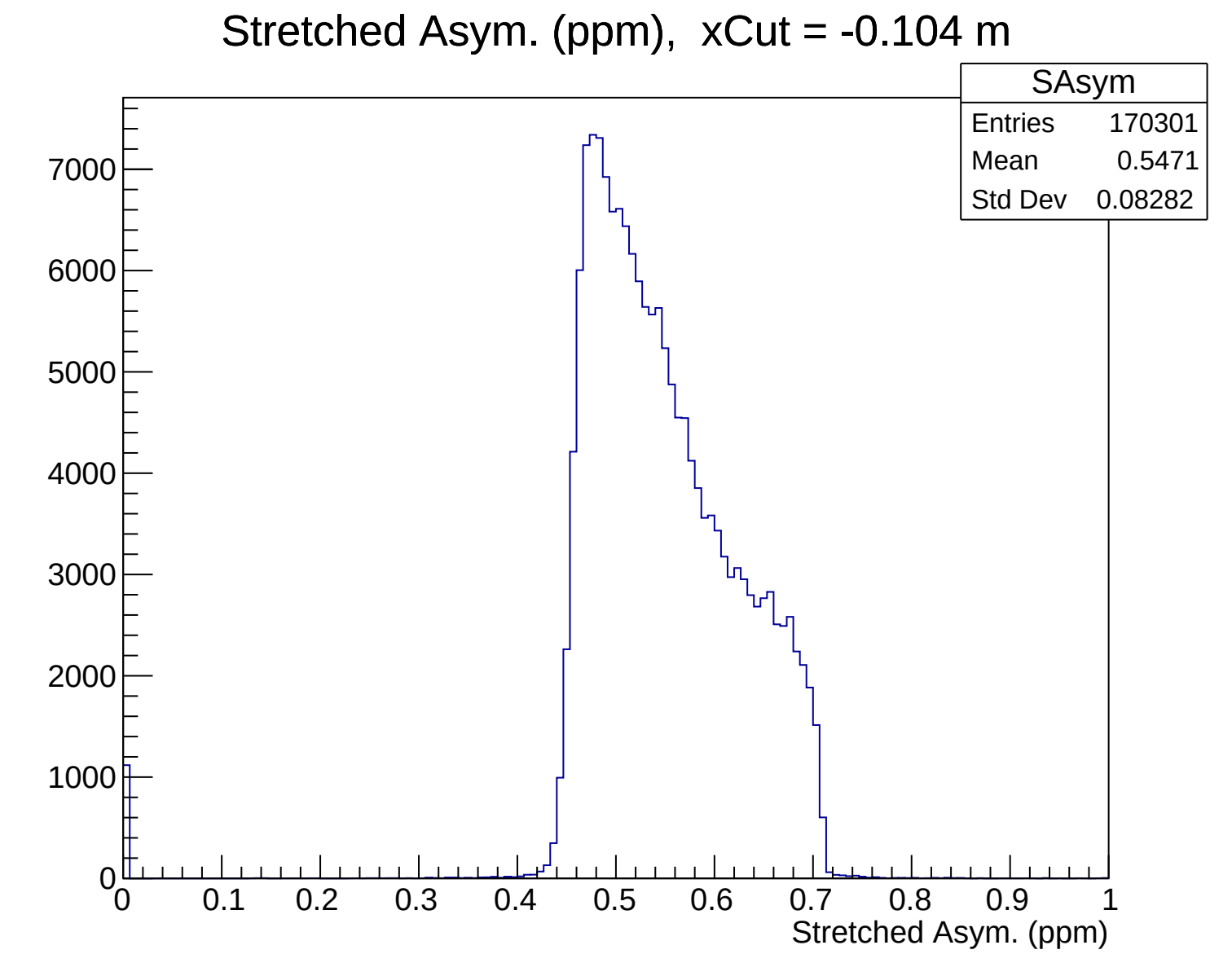

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

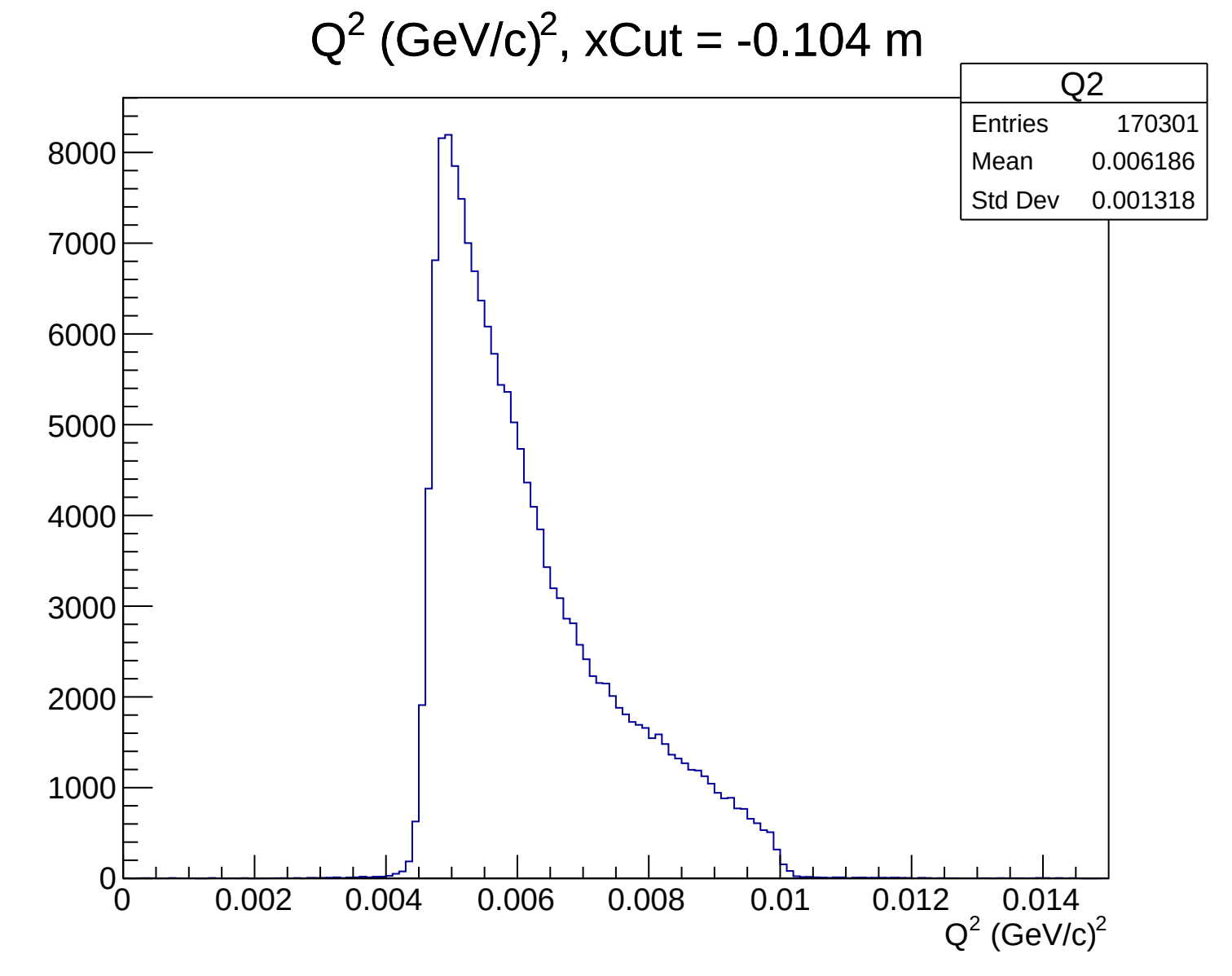

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.104
L.tr.x[0]+1.3*L.tr.th[0] (m)

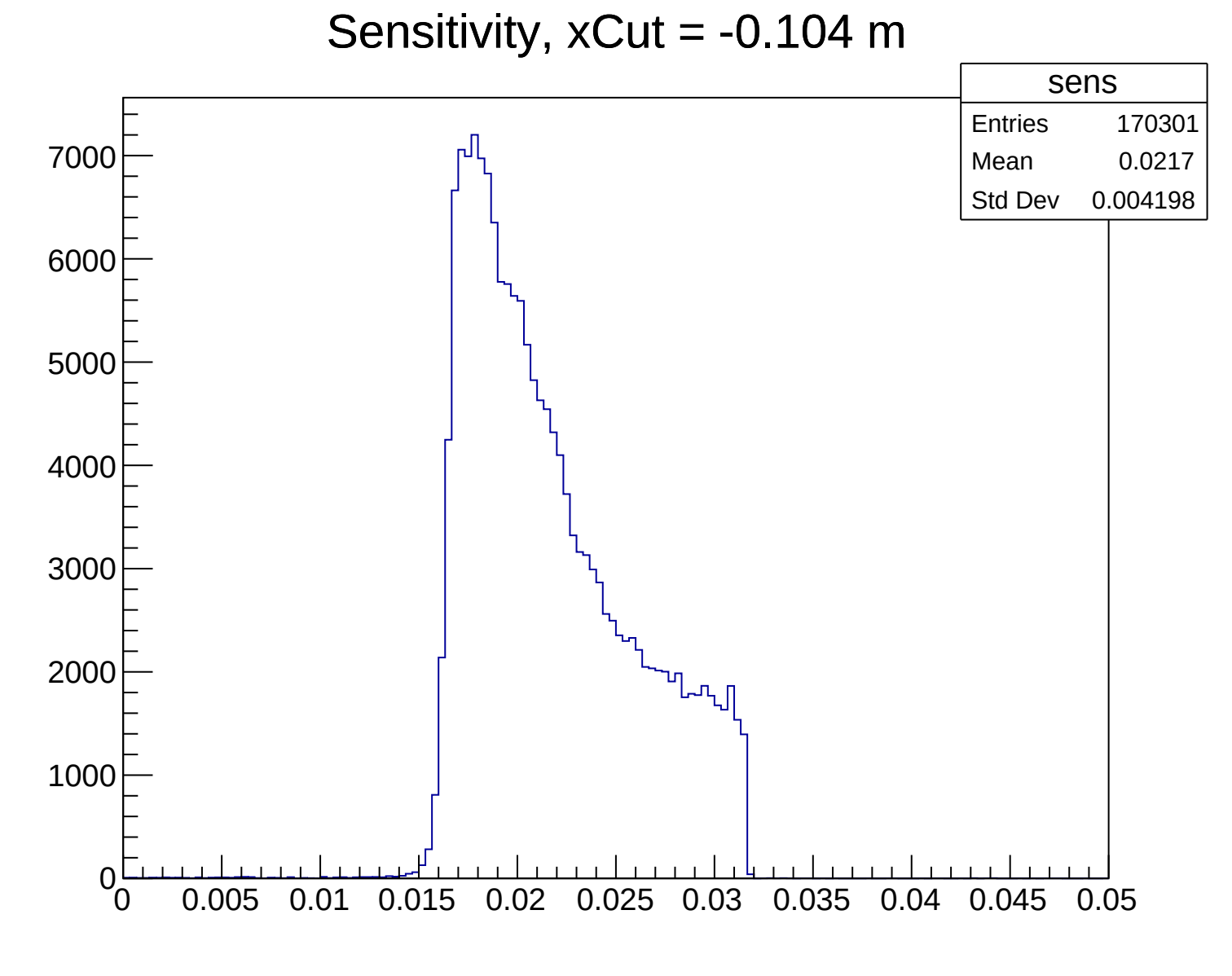

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

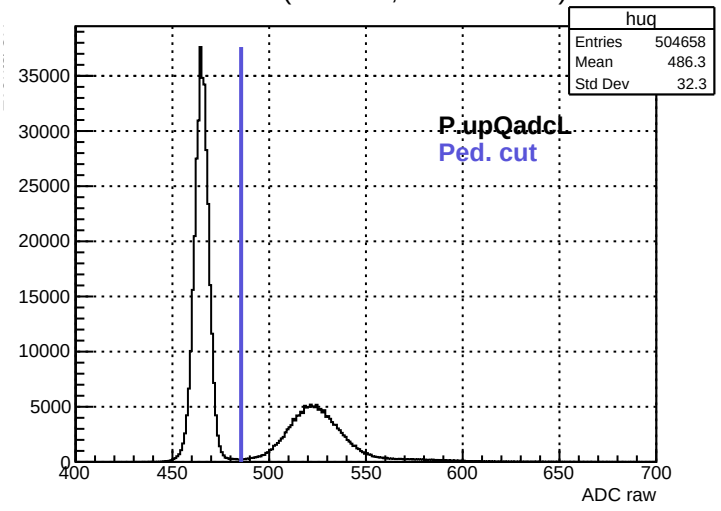

θlab (deg), xCut = -0.104 m
Theta
Entries 170301
Mean 4.732
Std Dev 0.4895
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

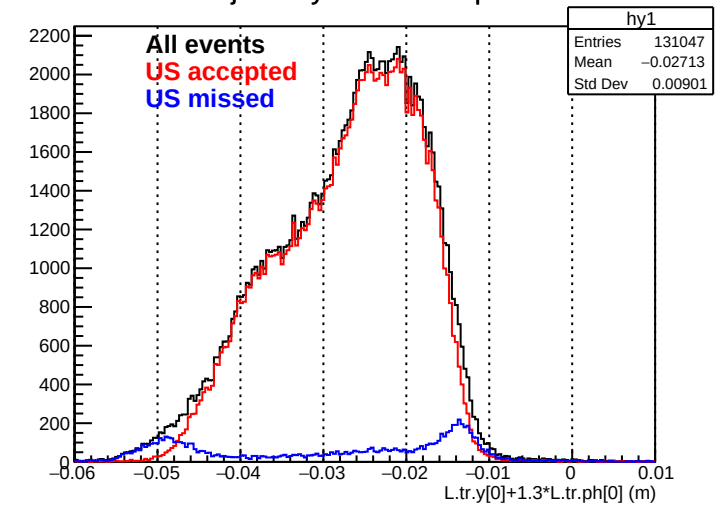

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 170301
Mean 0.5596
Std Dev 0.0868
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

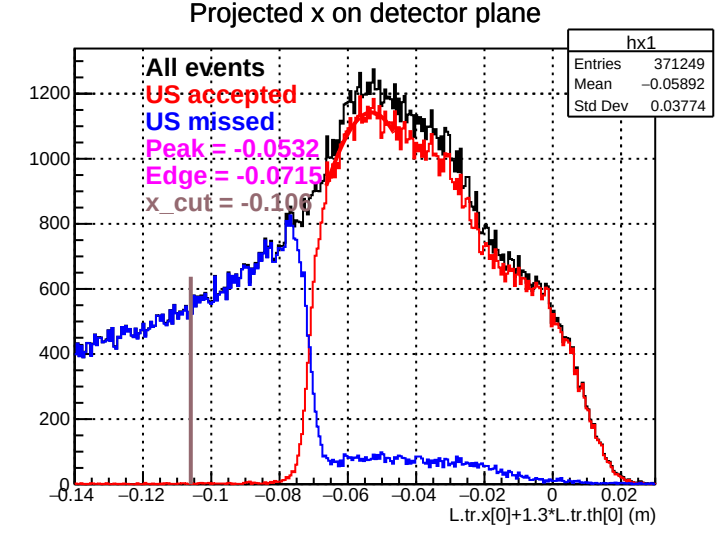

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 170301
Mean 0.5471
Std Dev 0.08282
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

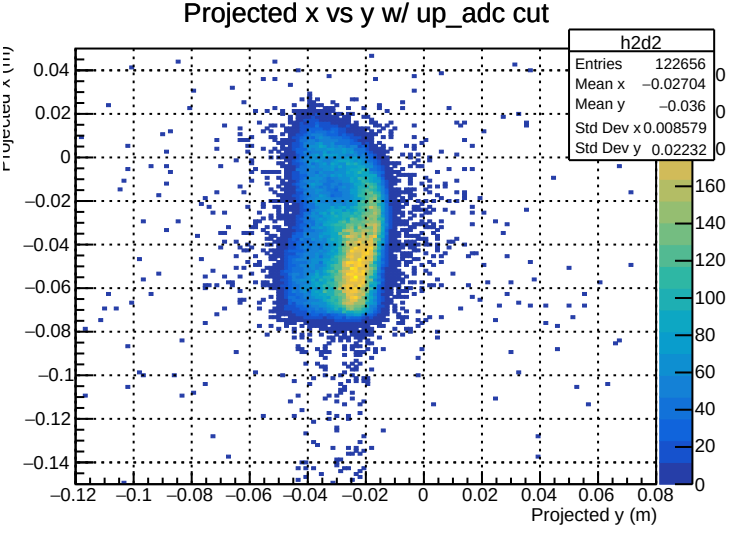

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 170301
Mean 0.006186
Std Dev 0.001318
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

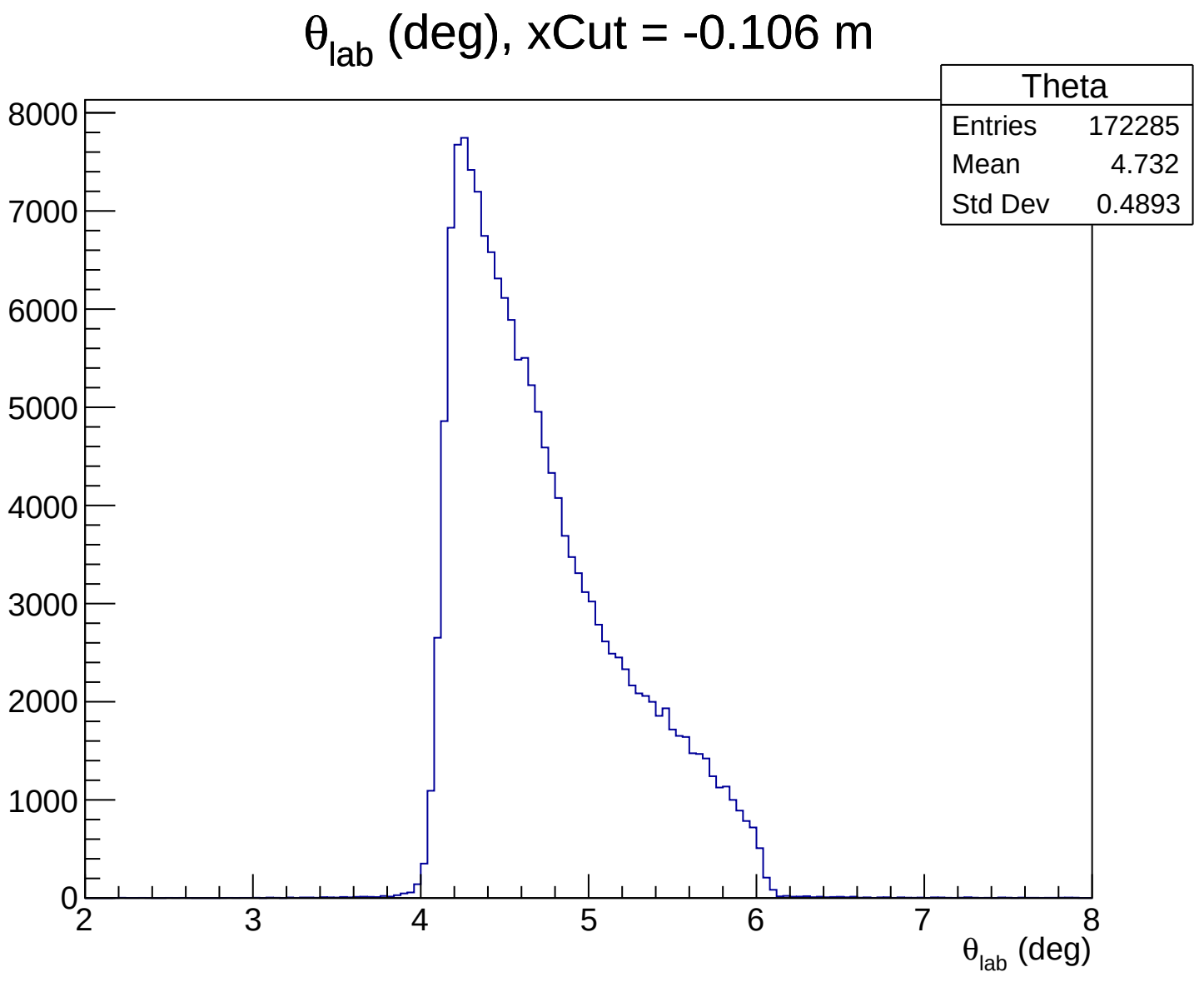

Sensitivity, xCut = -0.104 m
sens
Entries 170301
Mean 0.0217
Std Dev 0.004198
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

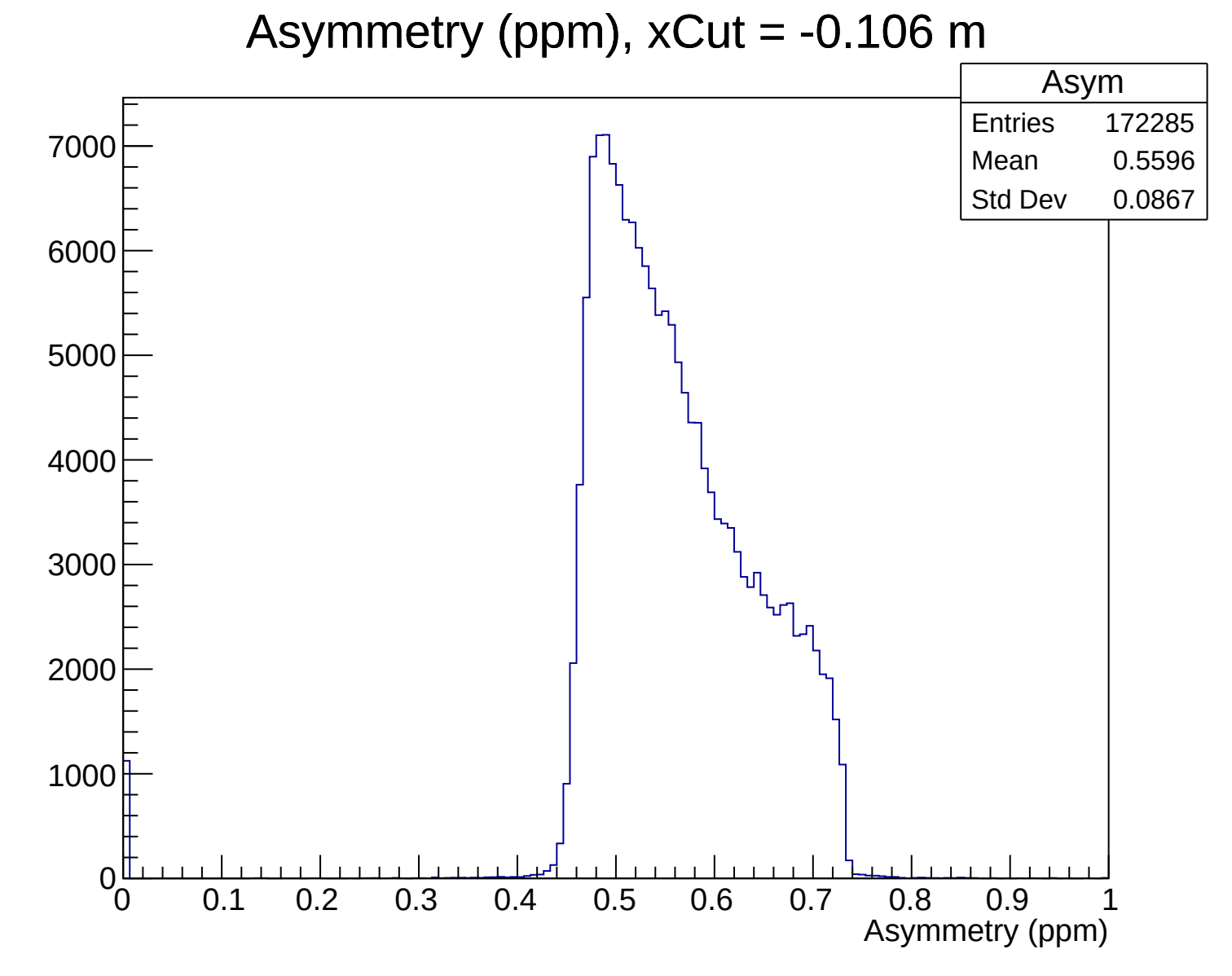

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

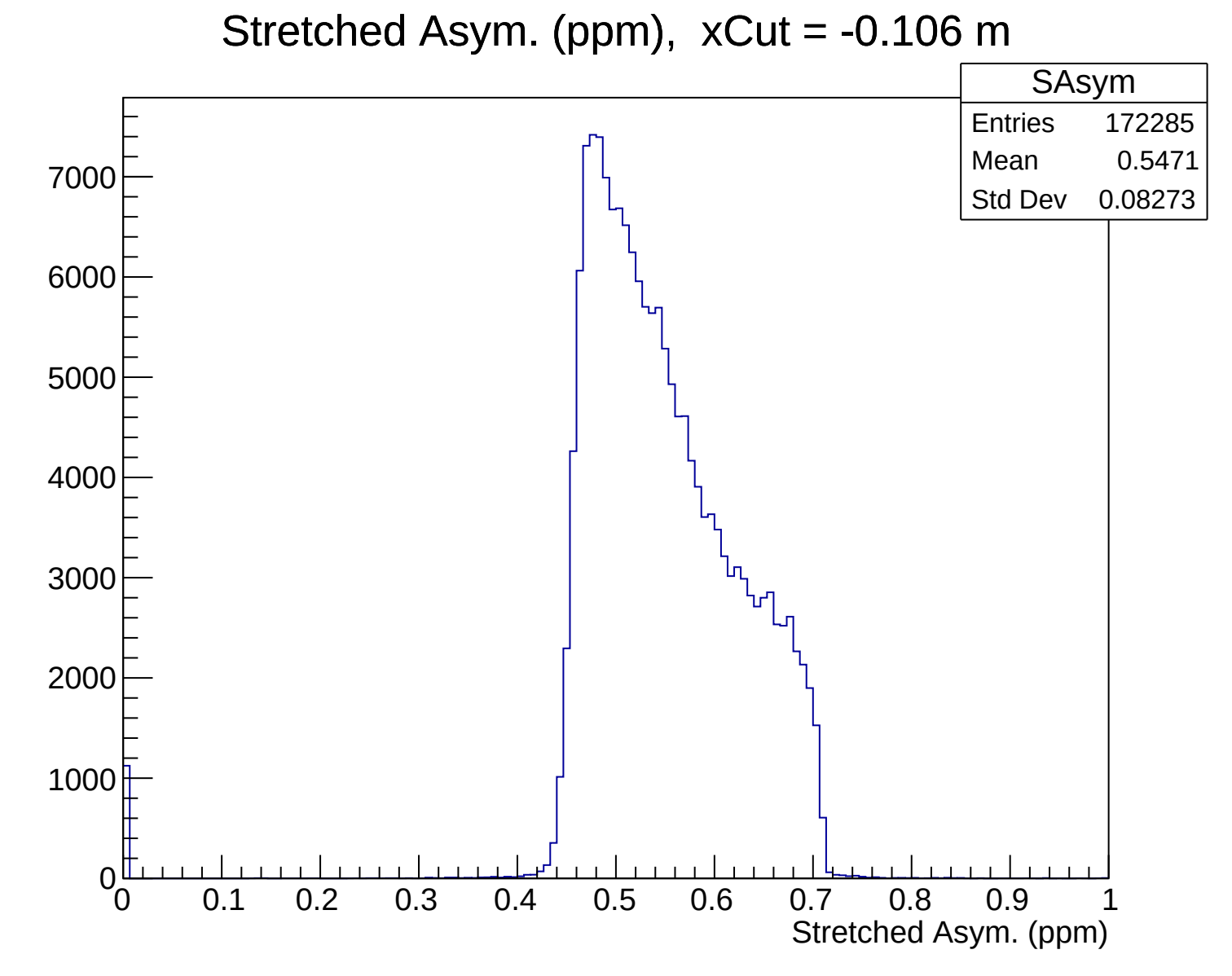

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

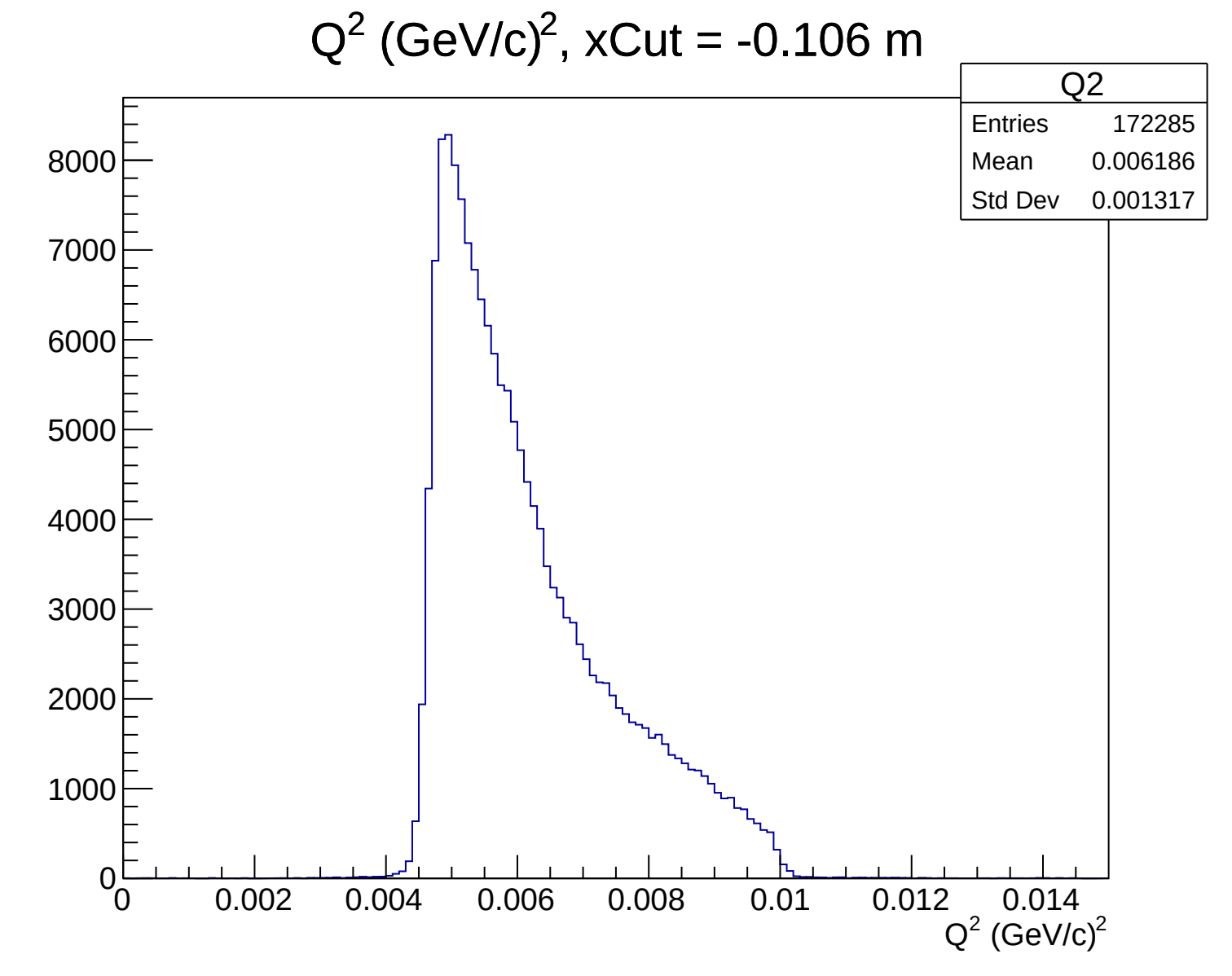

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.106
L.tr.x[0]+1.3*L.tr.th[0] (m)

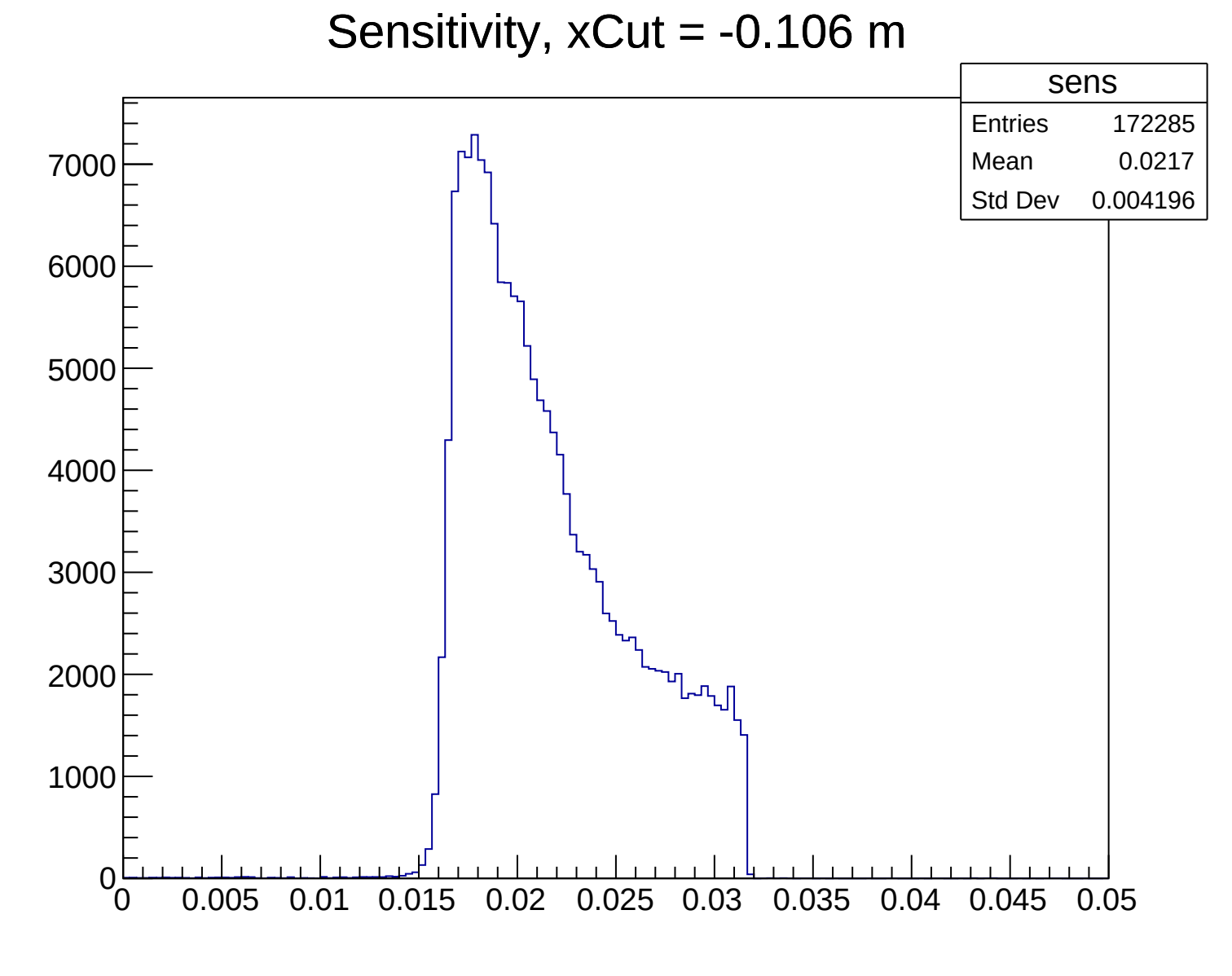

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

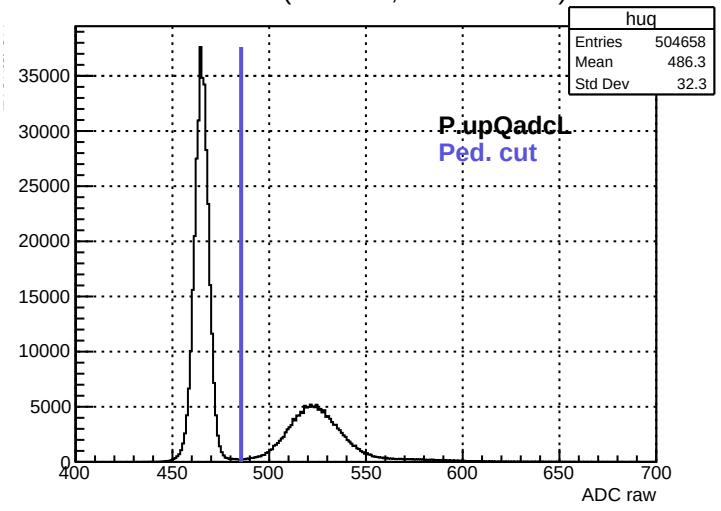

θlab (deg), xCut = -0.106 m
Theta
Entries 172285
Mean 4.732
Std Dev 0.4893
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

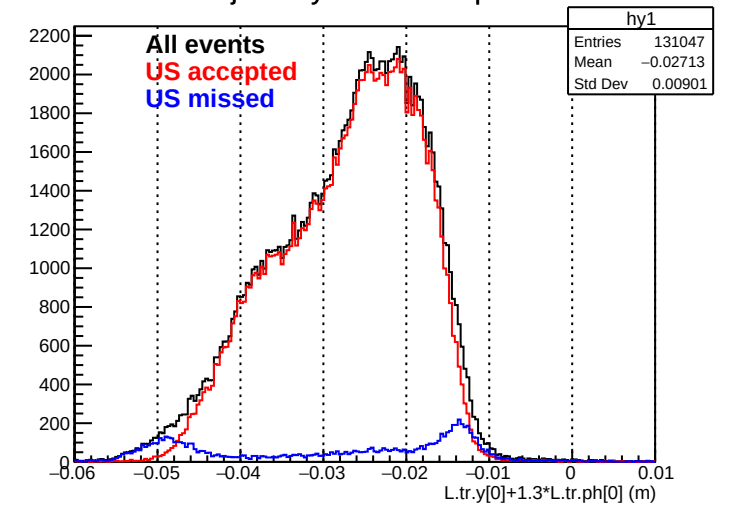

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 172285
Mean 0.5596
Std Dev 0.0867
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

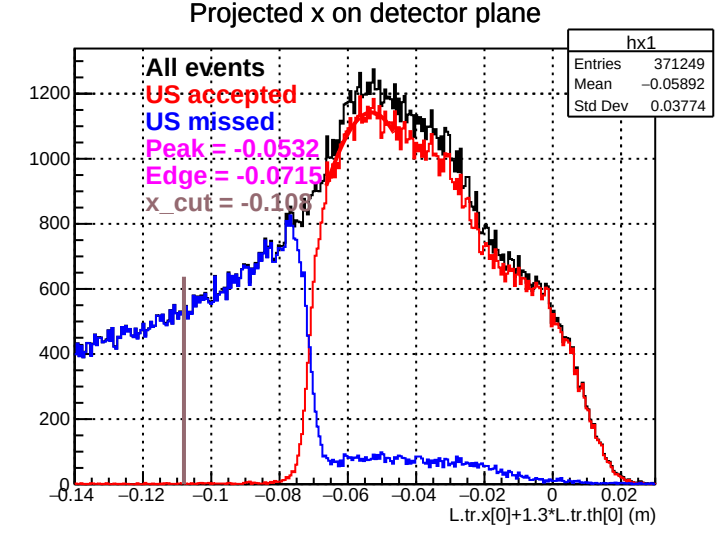

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 172285
Mean 0.5471
Std Dev 0.08273
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

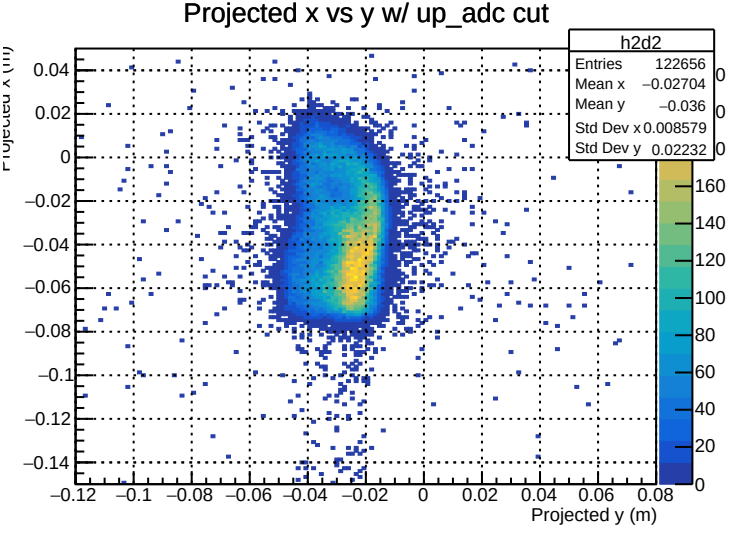

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 172285
Mean 0.006186
Std Dev 0.001317
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

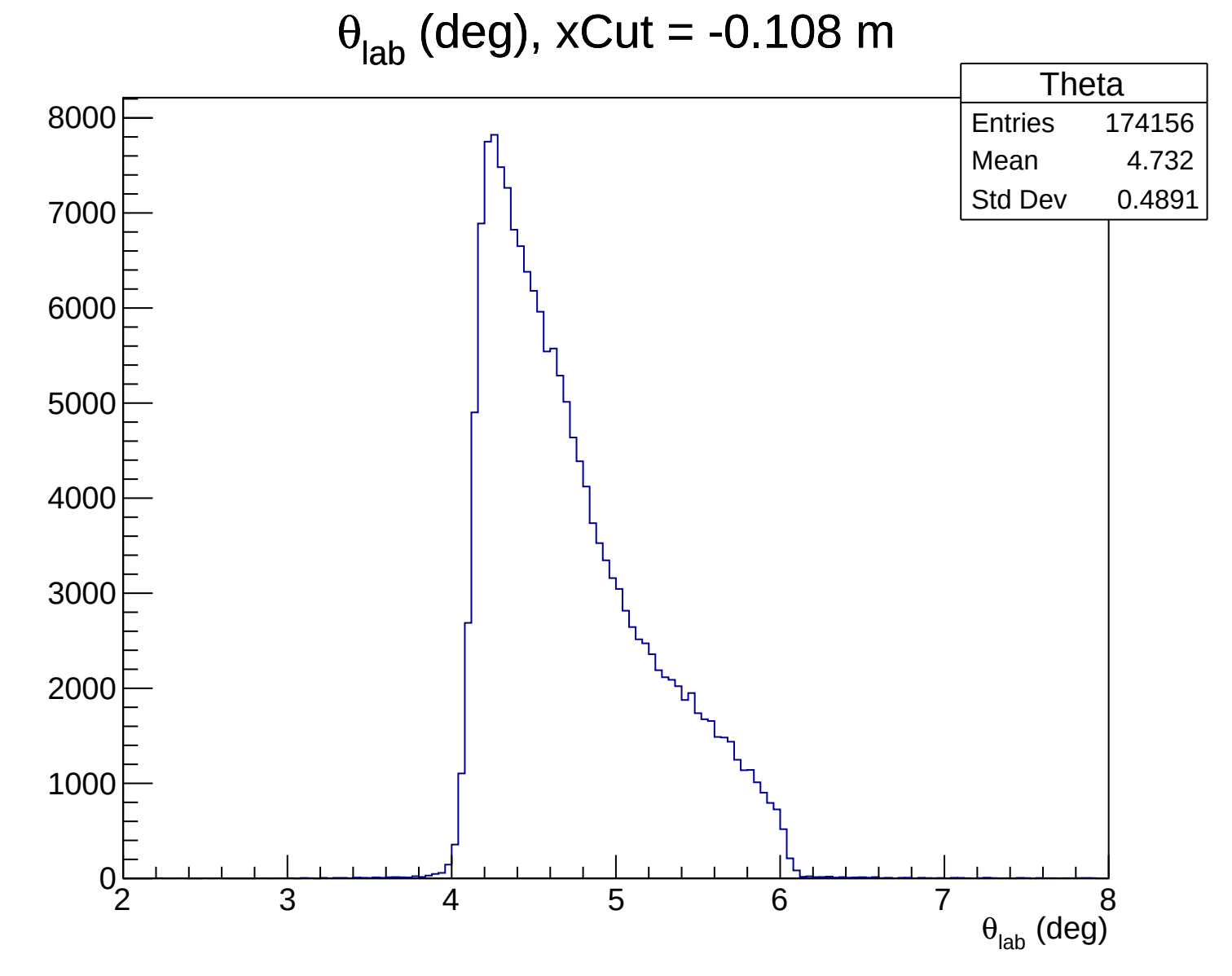

Sensitivity, xCut = -0.106 m
sens
Entries 172285
Mean 0.0217
Std Dev 0.004196
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

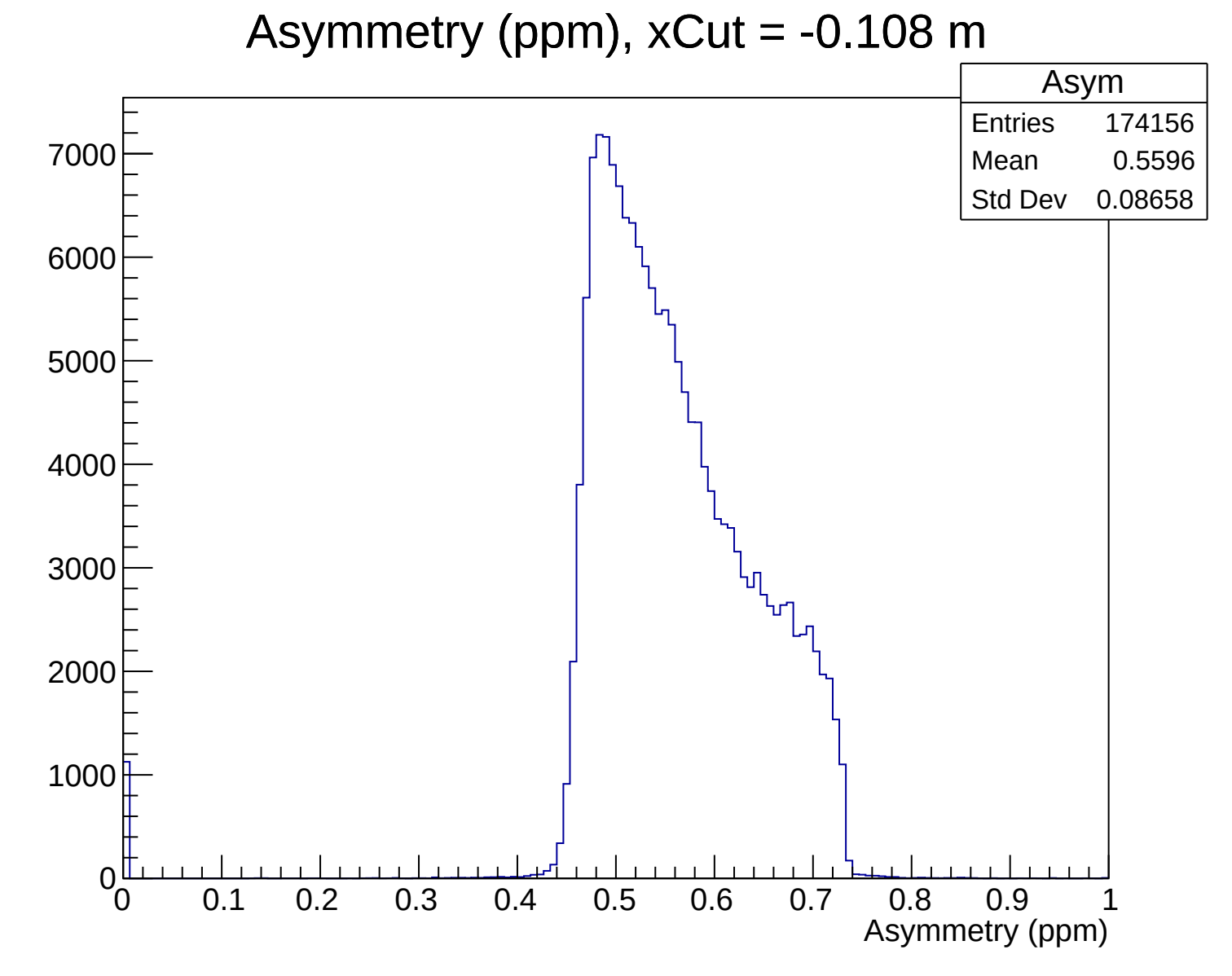

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

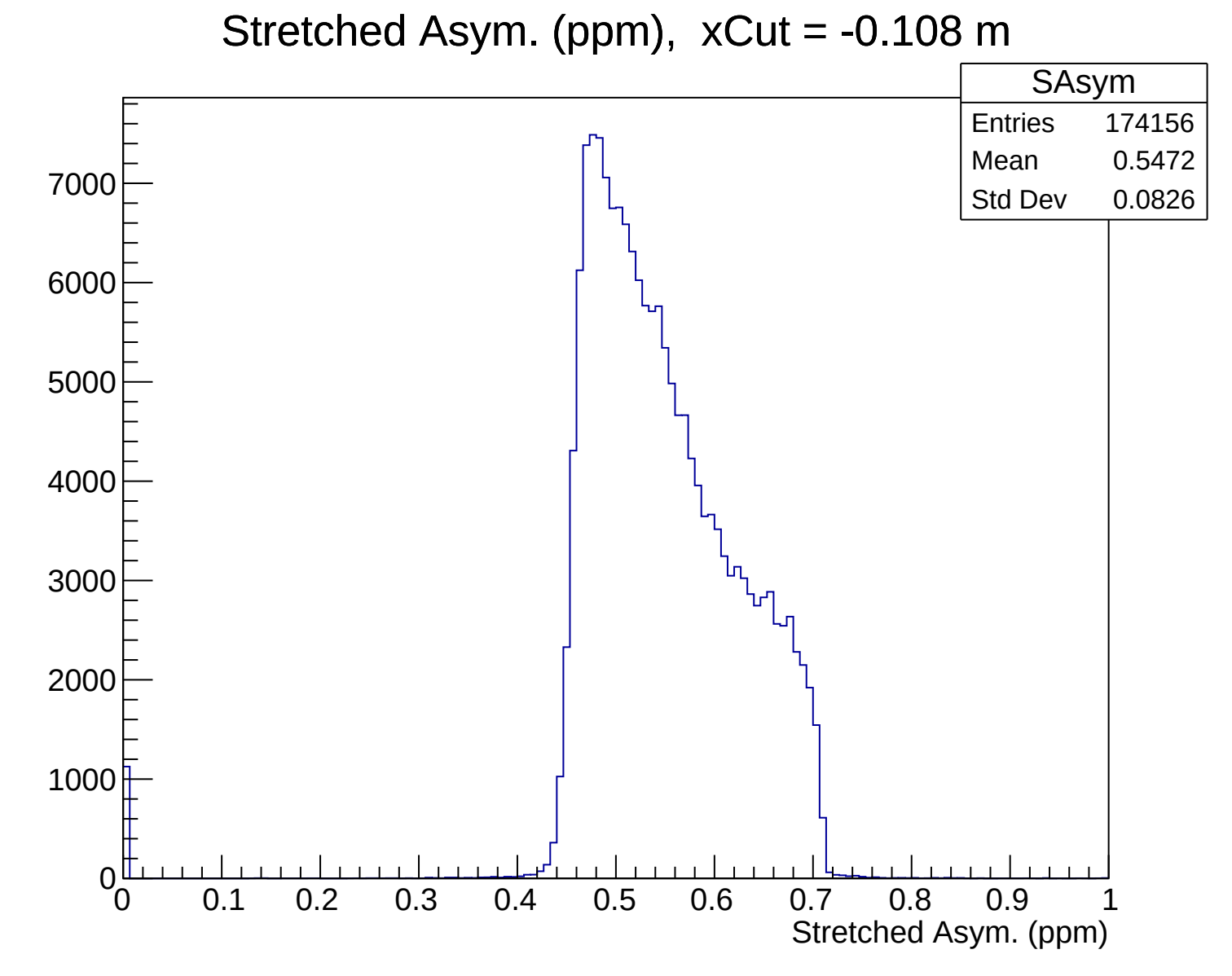

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

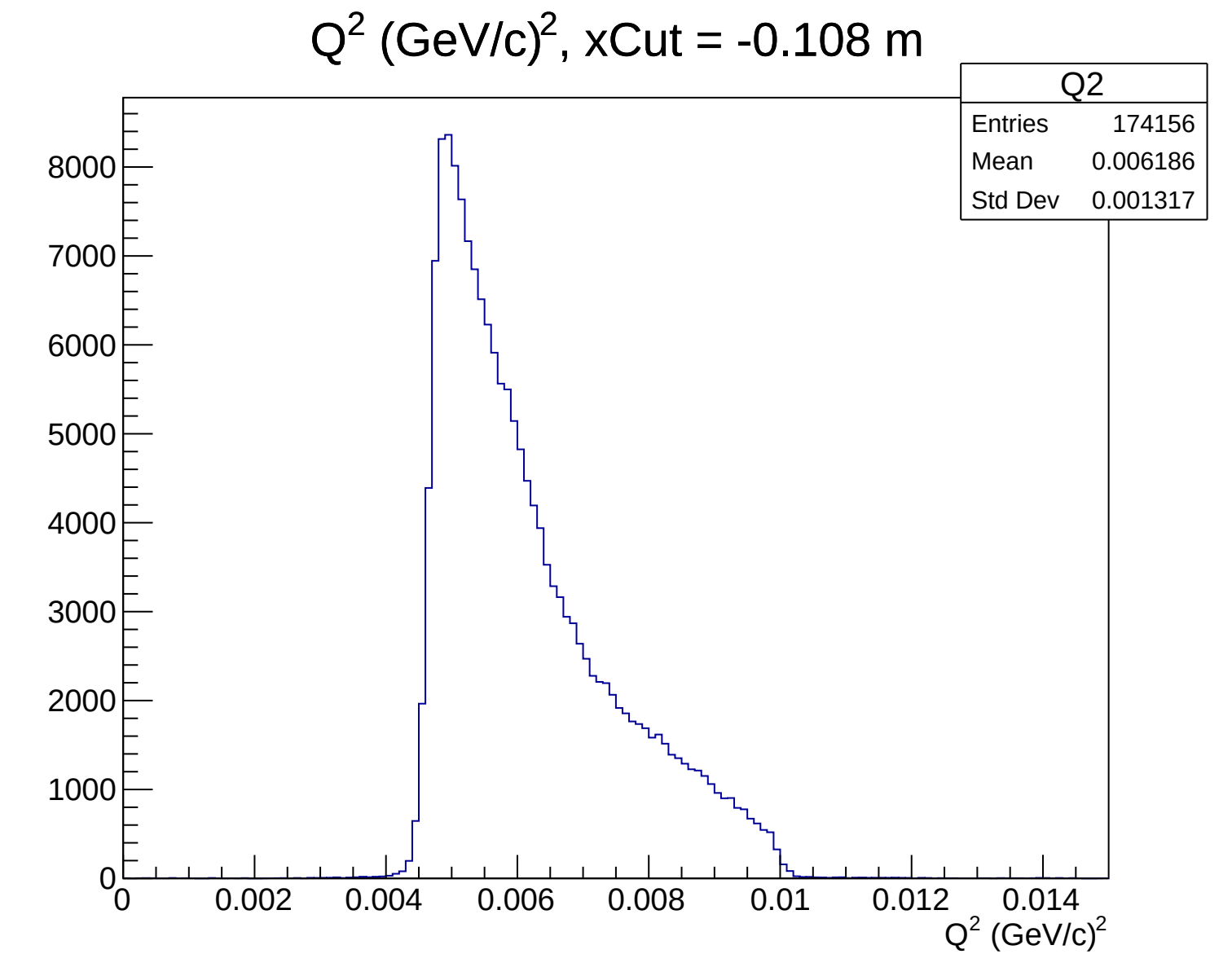

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.108
L.tr.x[0]+1.3*L.tr.th[0] (m)

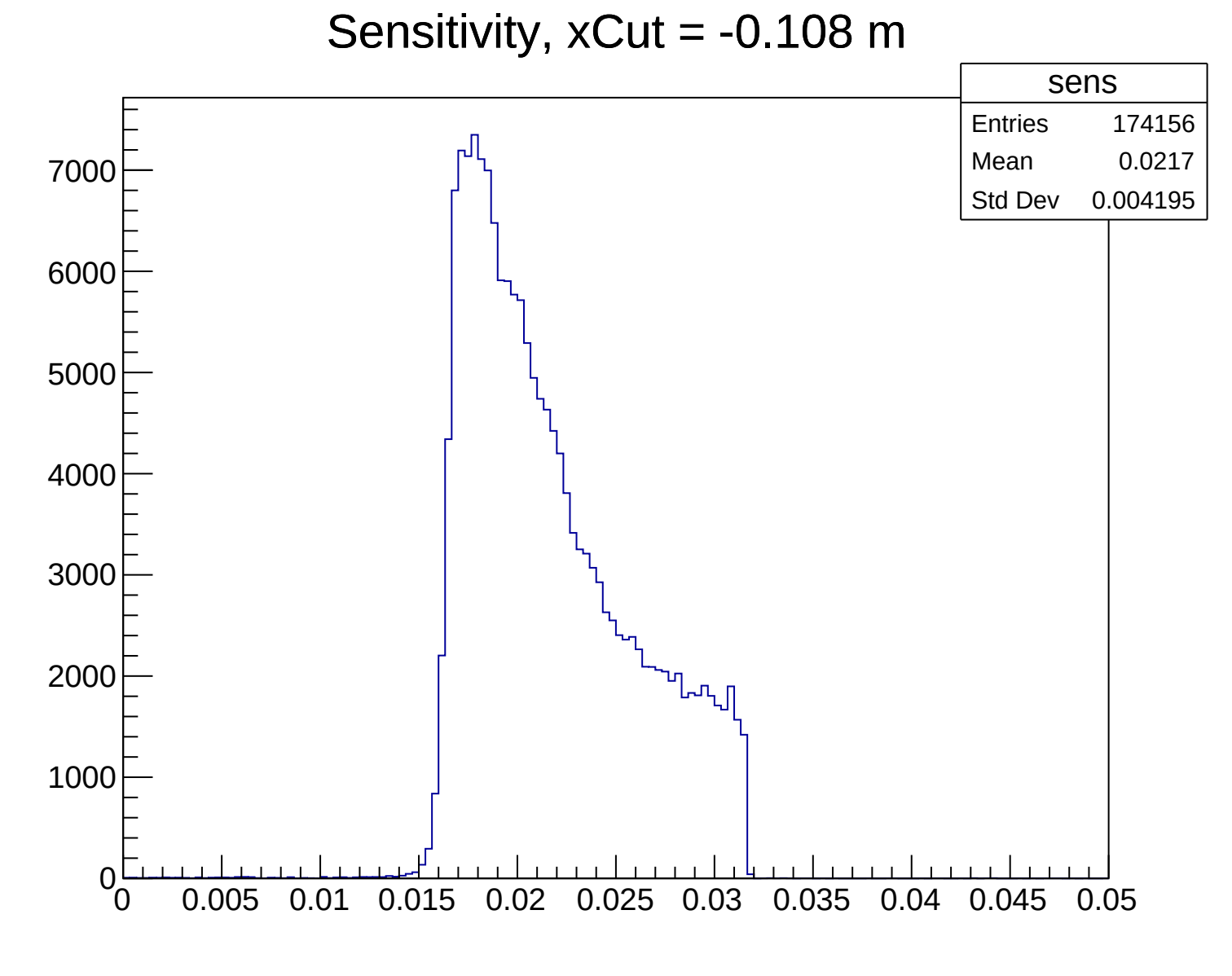

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

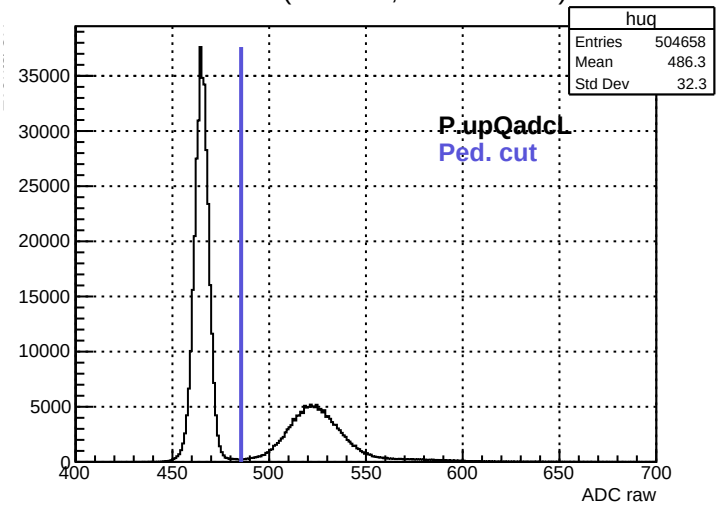

θlab (deg), xCut = -0.108 m
Theta
Entries 174156
Mean 4.732
Std Dev 0.4891
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

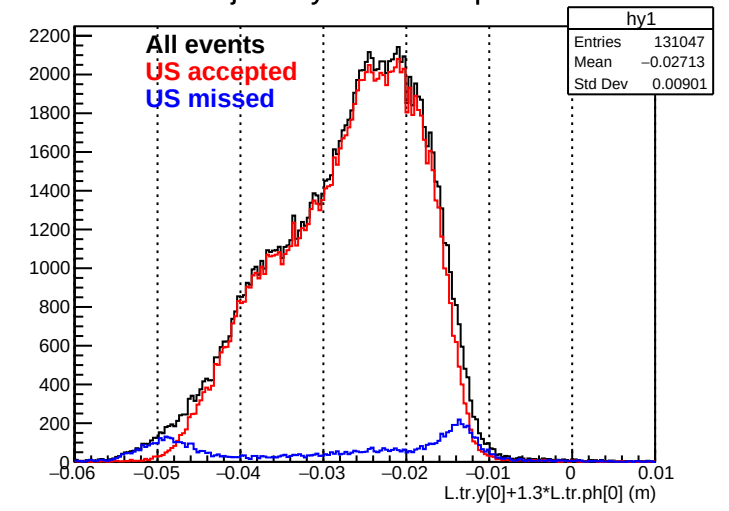

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 174156
Mean 0.5596
Std Dev 0.08658
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

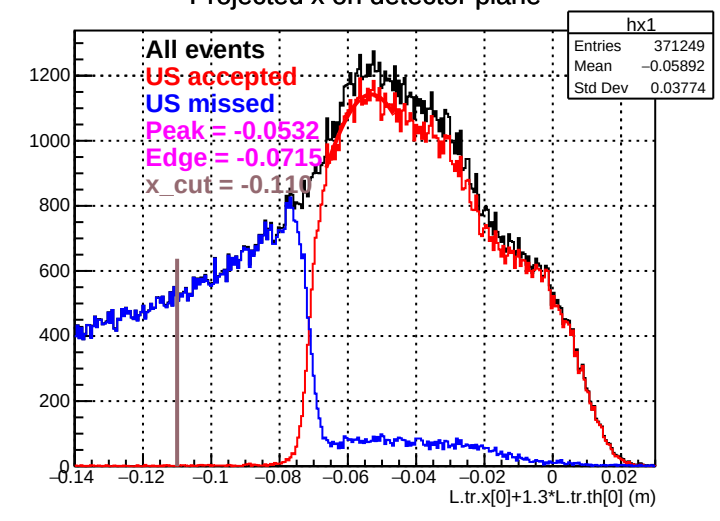

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 174156
Mean 0.5472
Std Dev 0.0826
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

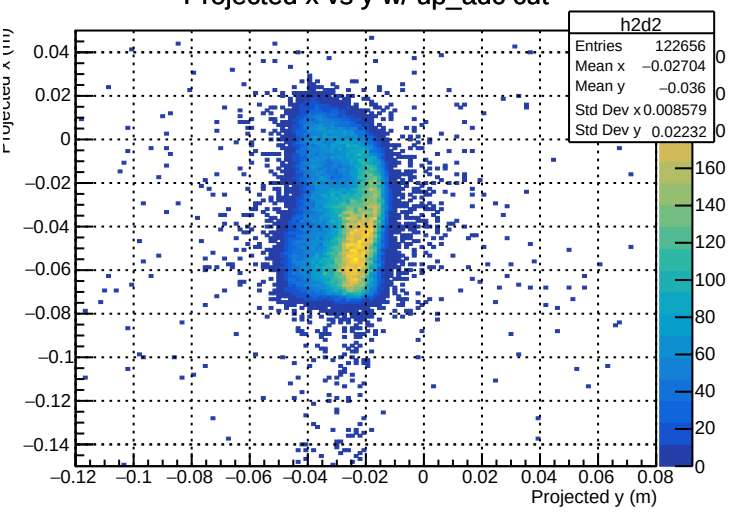

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 174156
Mean 0.006186
Std Dev 0.001317
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

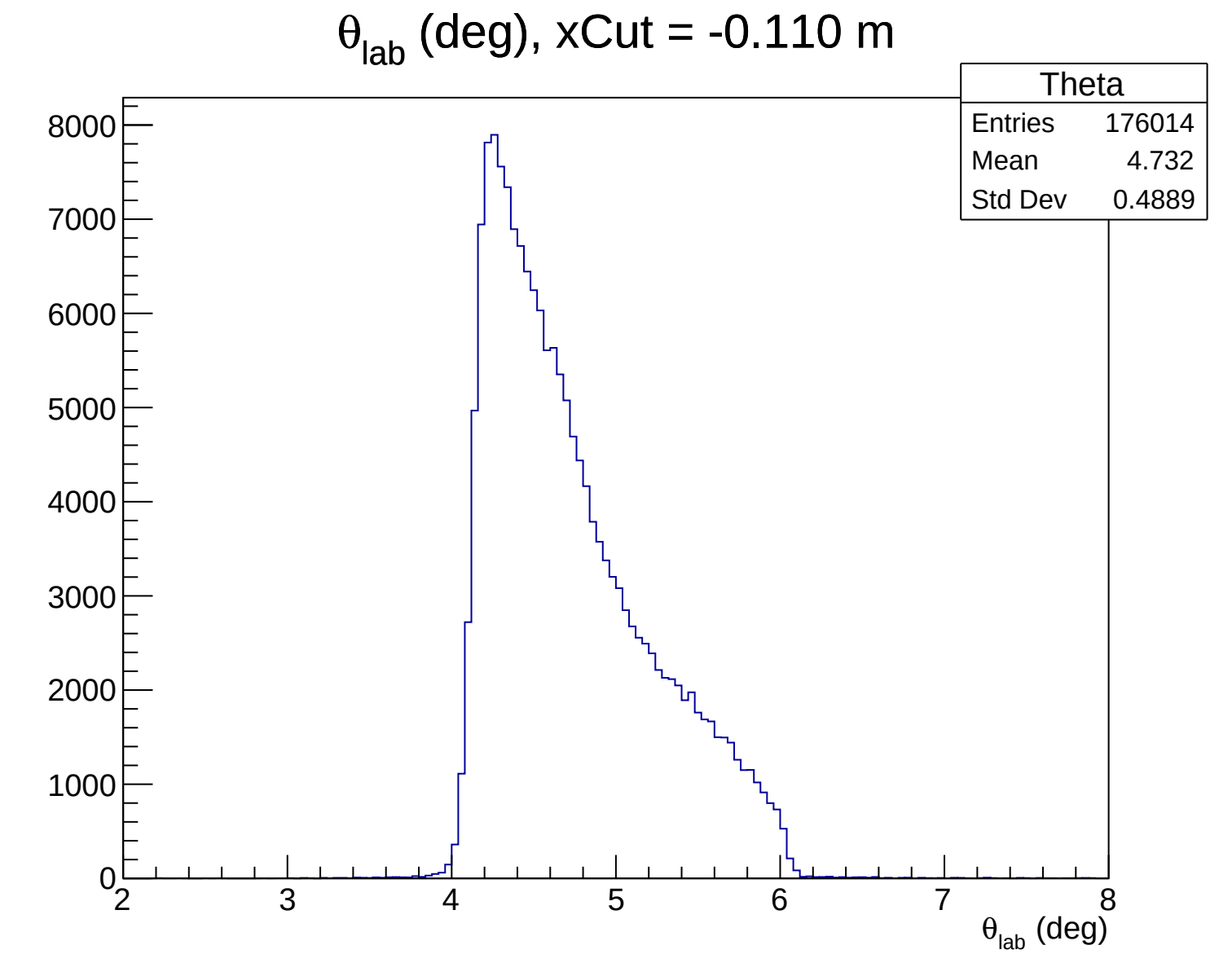

Sensitivity, xCut = -0.108 m
sens
Entries 174156
Mean 0.0217
Std Dev 0.004195
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

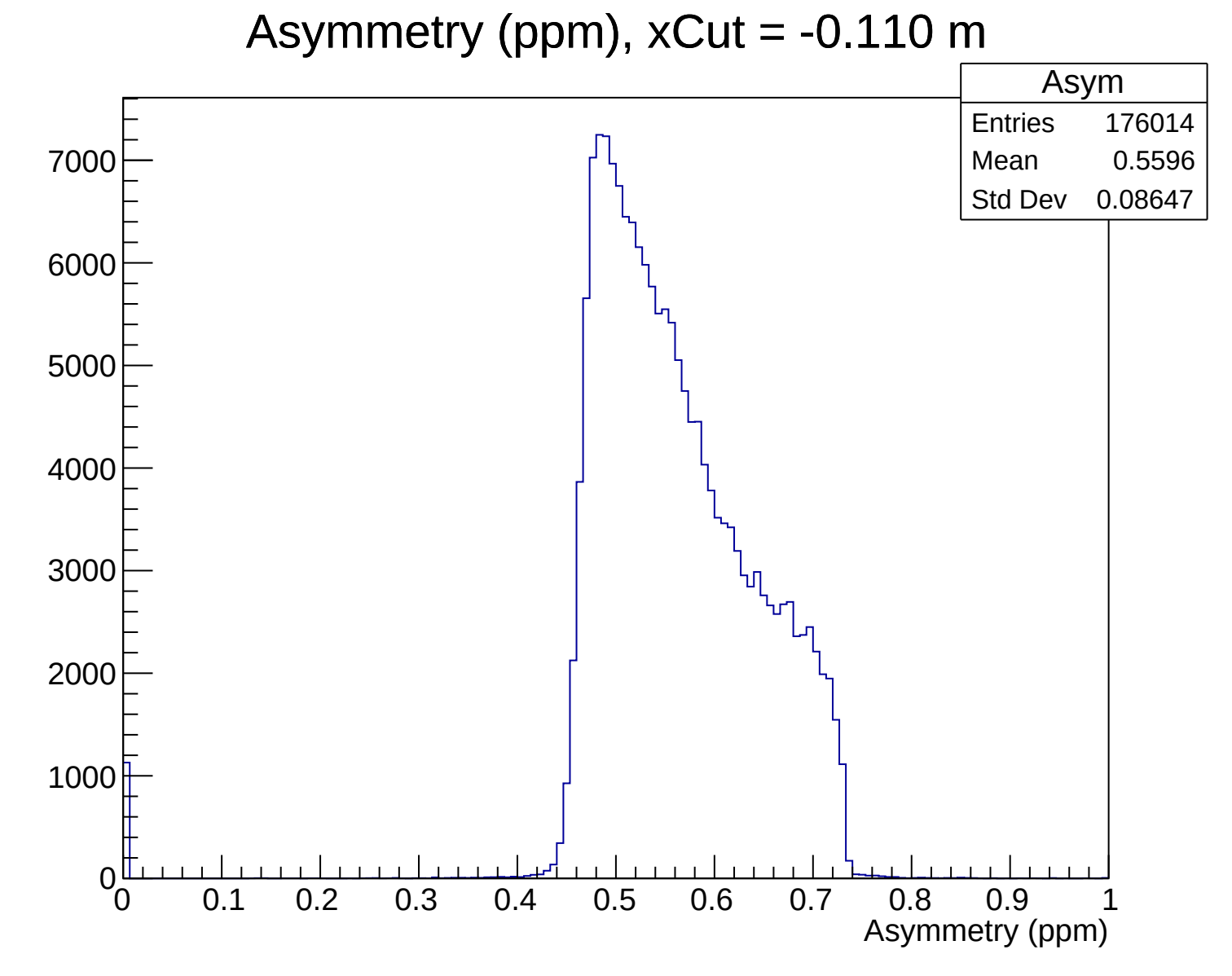

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

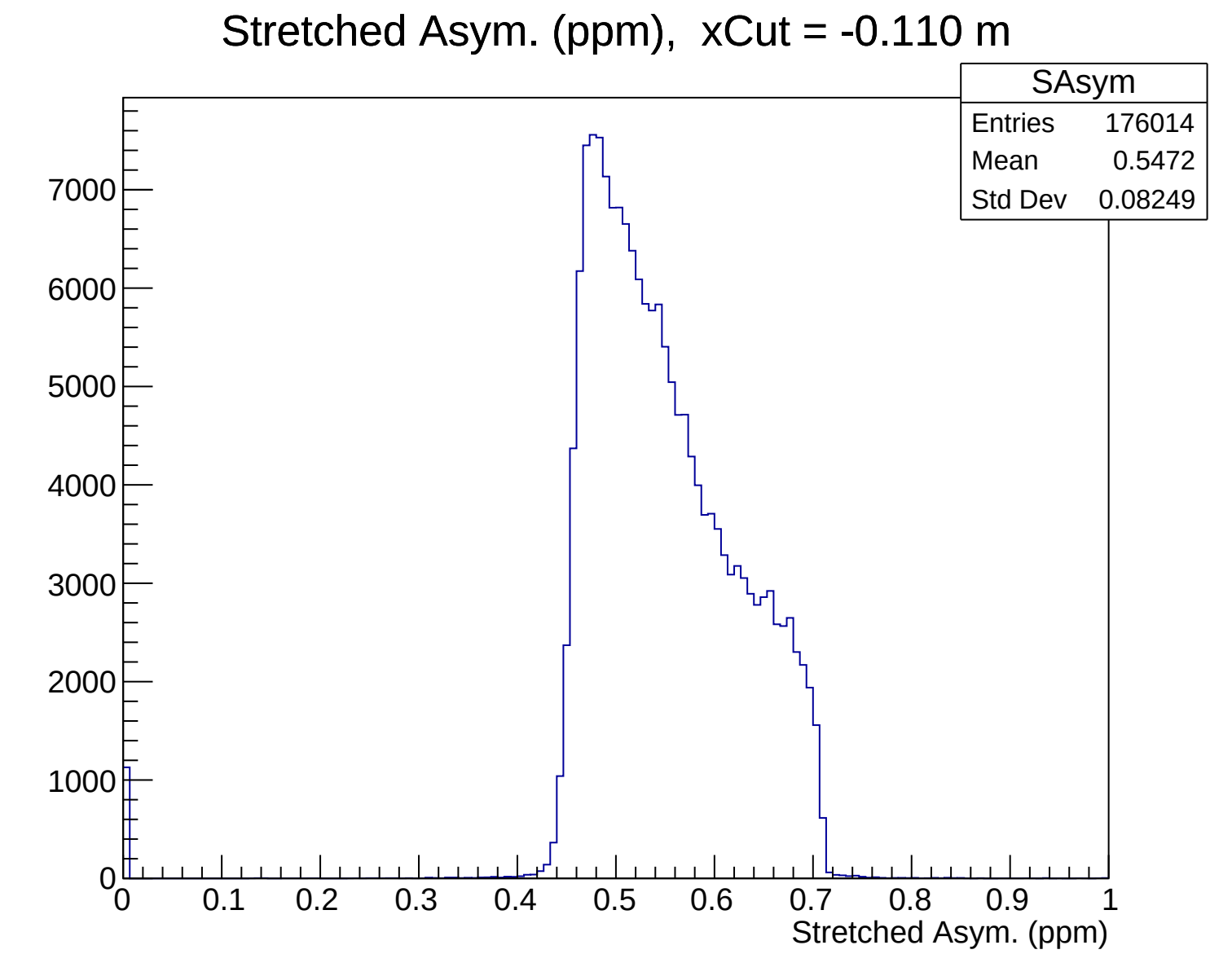

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

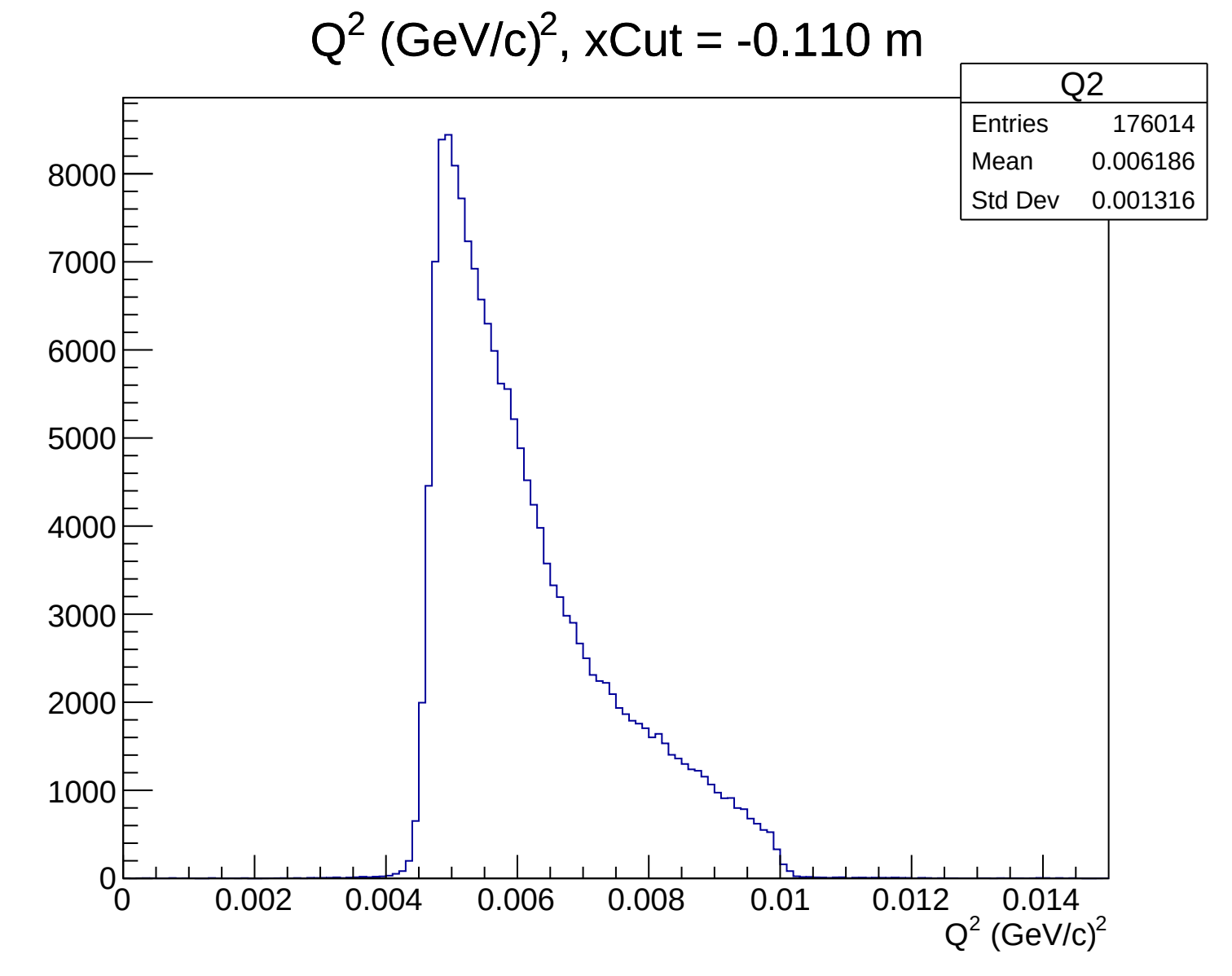

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.110
L.tr.x[0]+1.3*L.tr.th[0] (m)

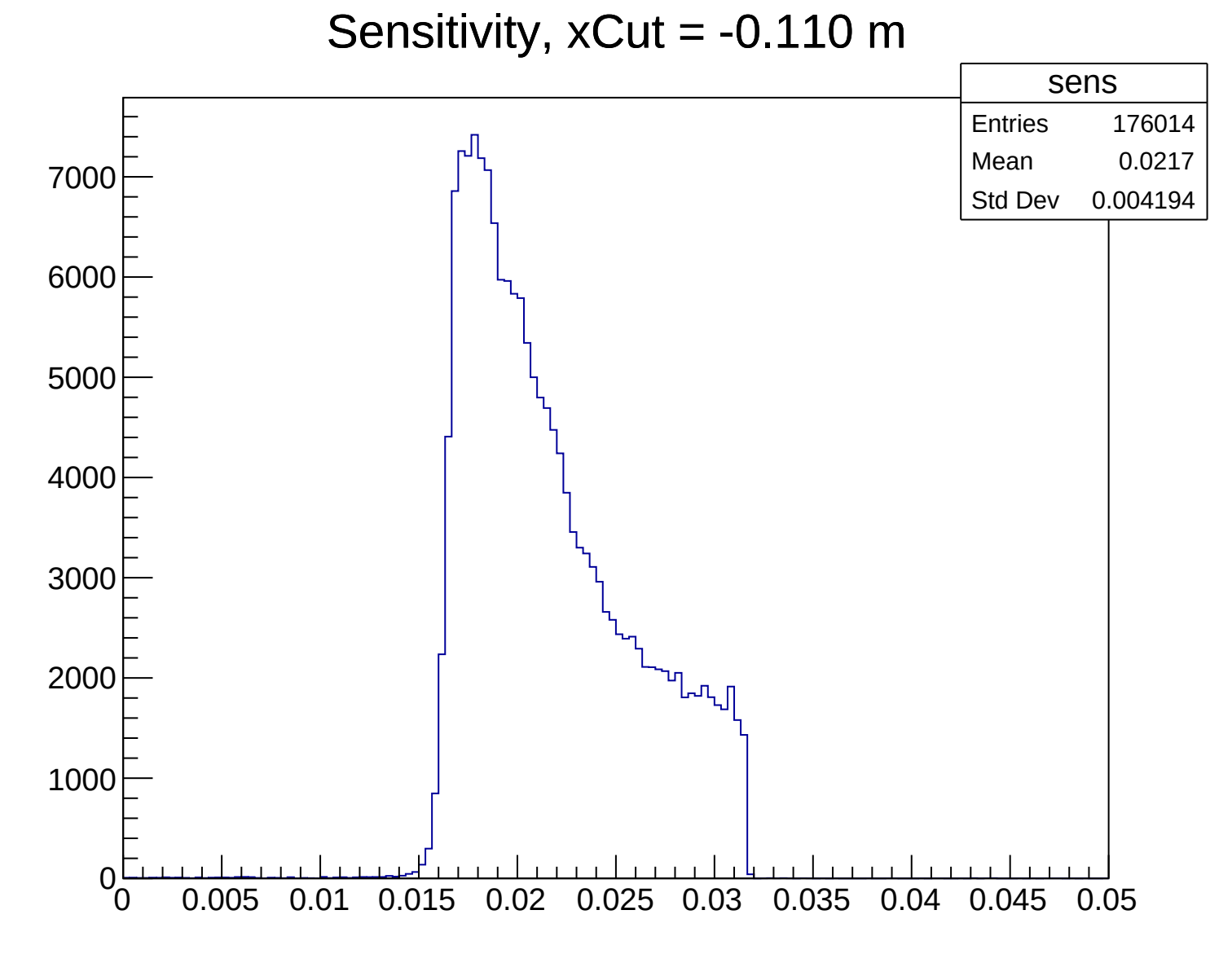

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

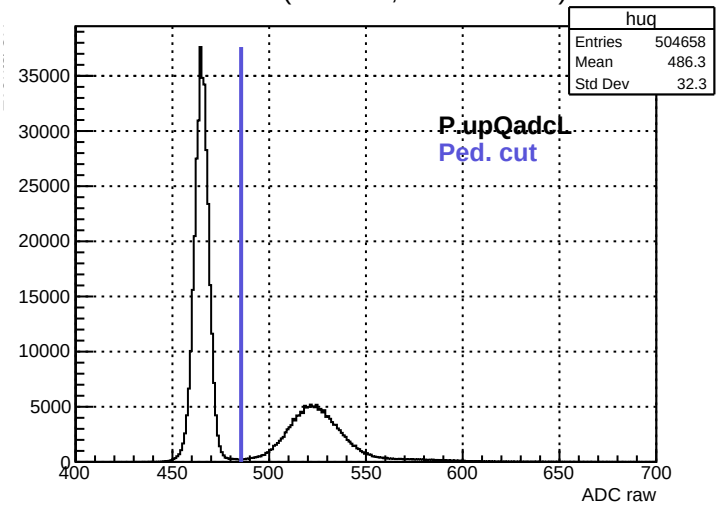

θlab (deg), xCut = -0.110 m
Theta
Entries 176014
Mean 4.732
Std Dev 0.4889
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

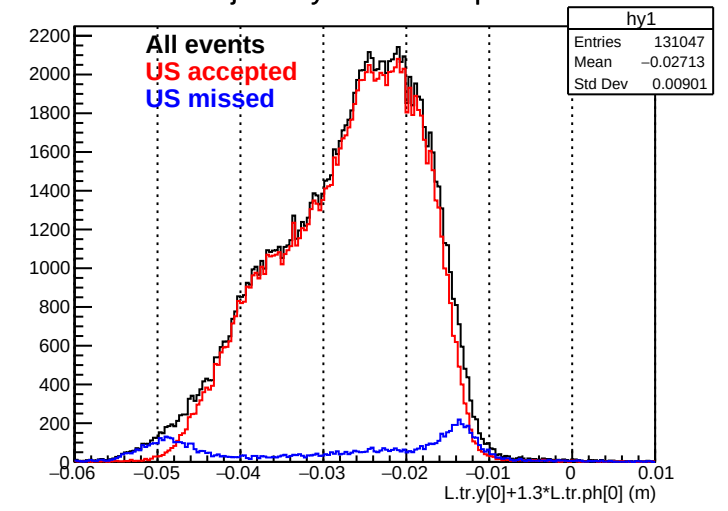

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 176014
Mean 0.5596
Std Dev 0.08647
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

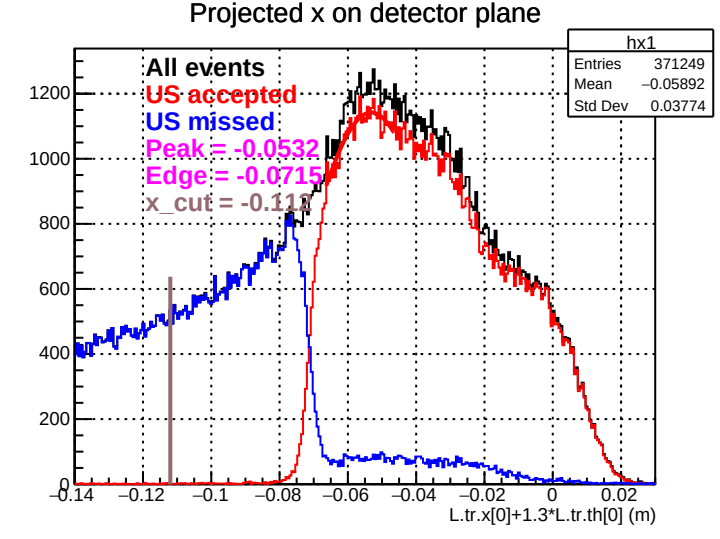

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 176014
Mean 0.5472
Std Dev 0.08249
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

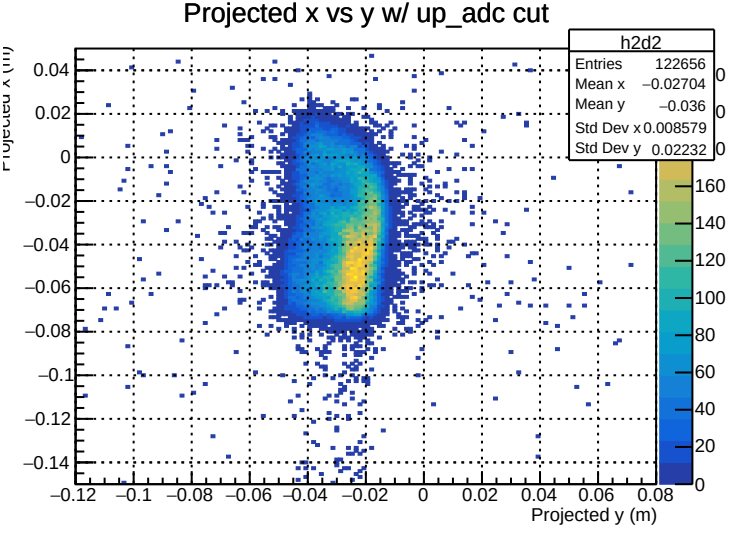

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 176014
Mean 0.006186
Std Dev 0.001316
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

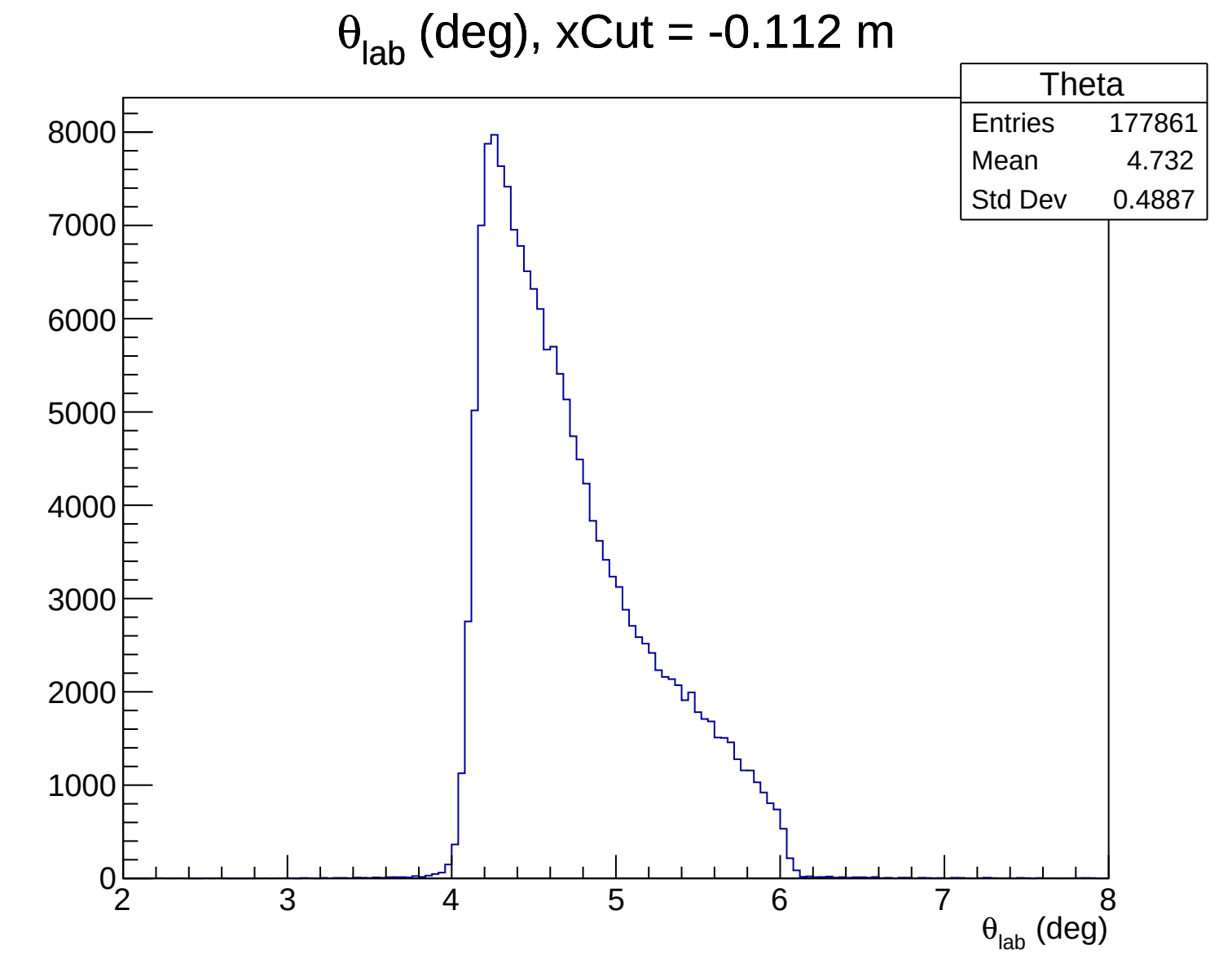

Sensitivity, xCut = -0.110 m
sens
Entries 176014
Mean 0.0217
Std Dev 0.004194
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

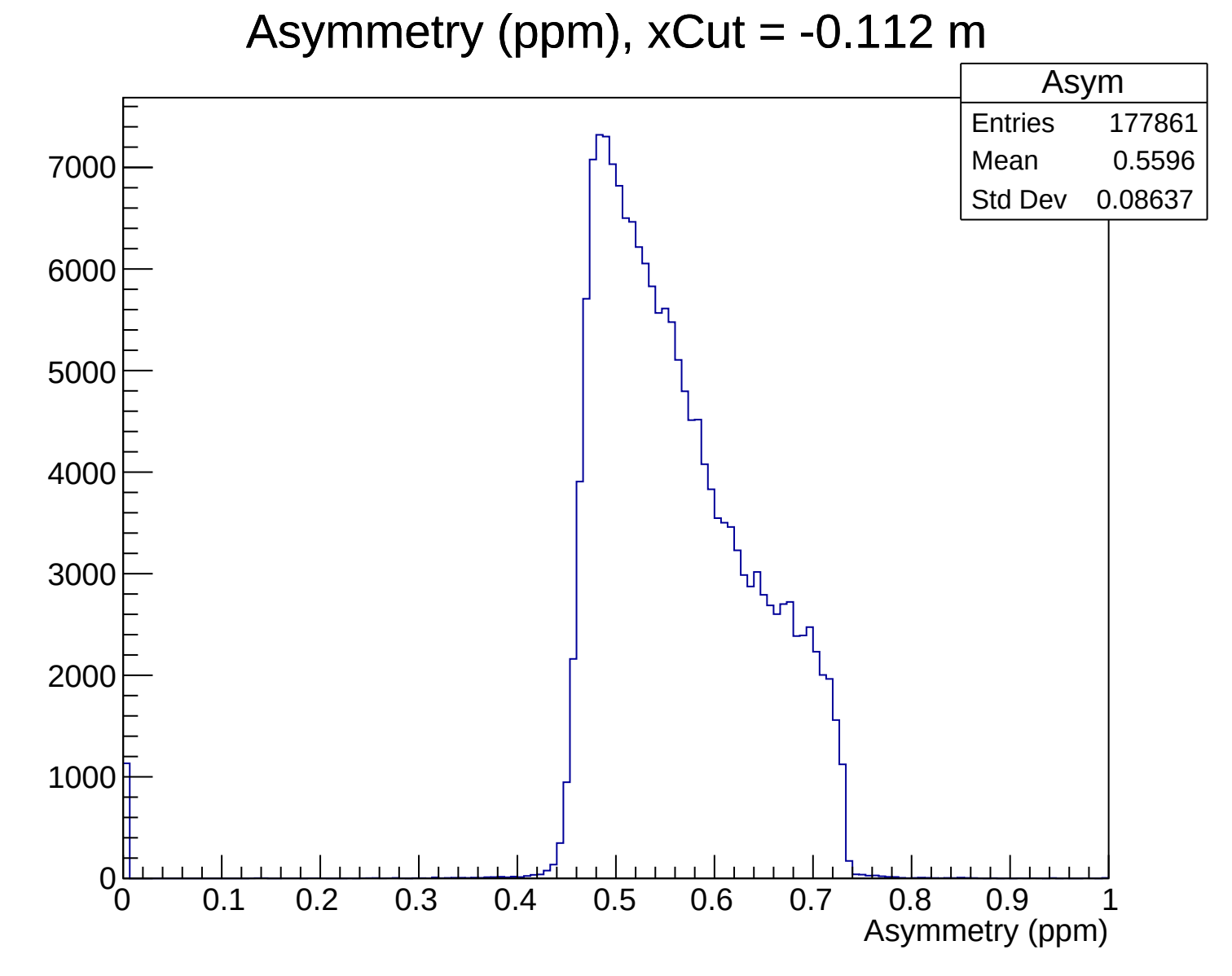

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

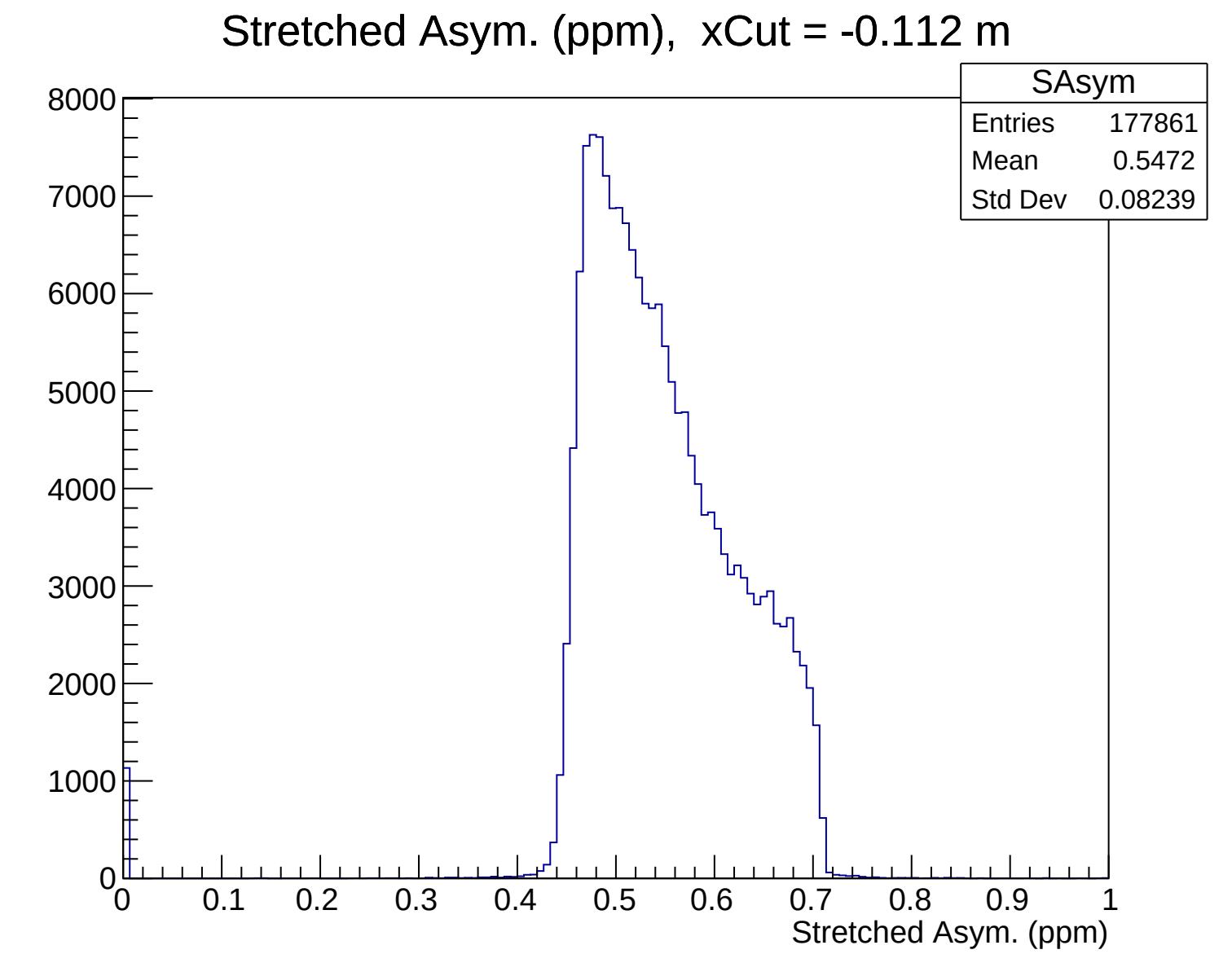

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

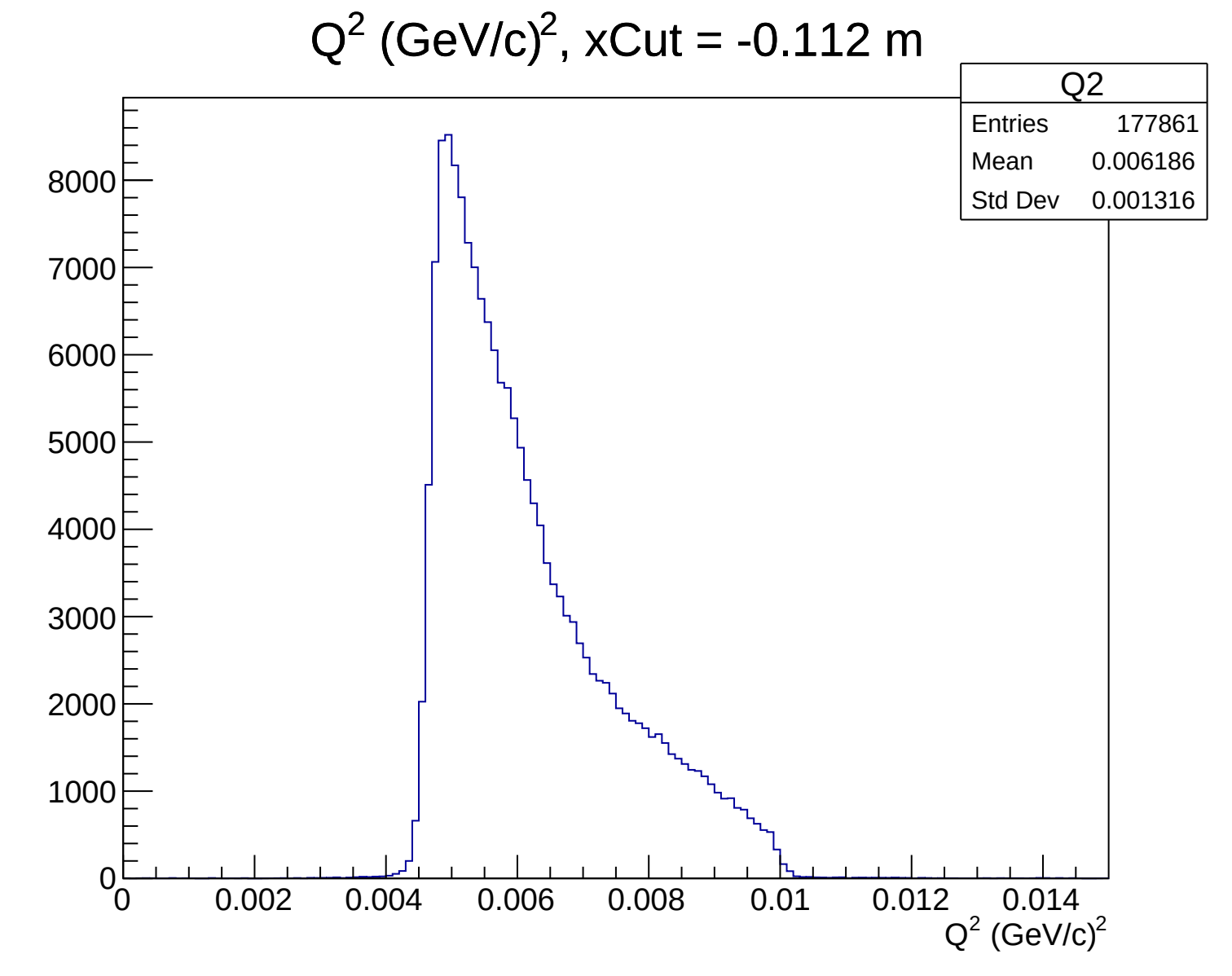

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.113
L.tr.x[0]+1.3*L.tr.th[0] (m)

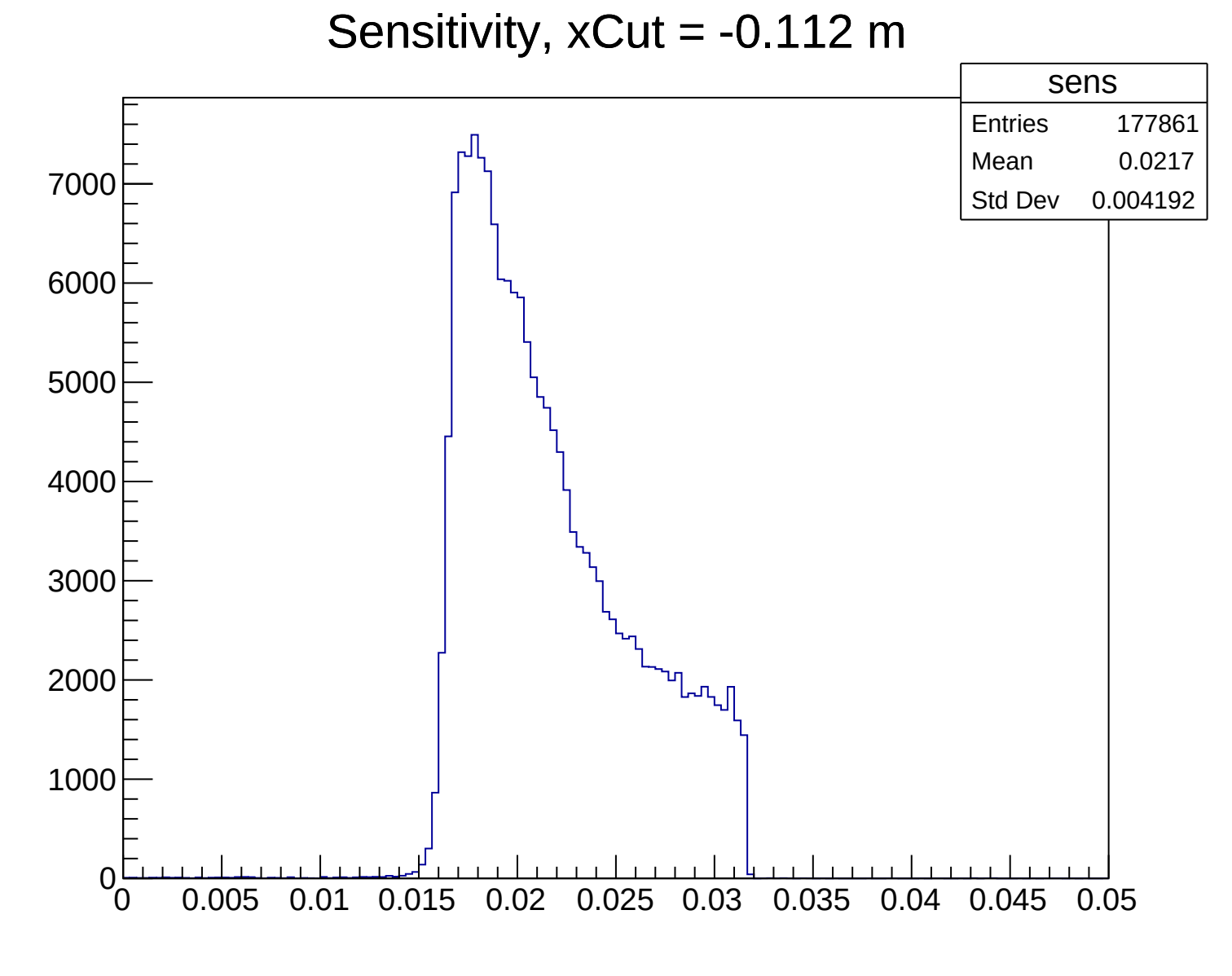

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)

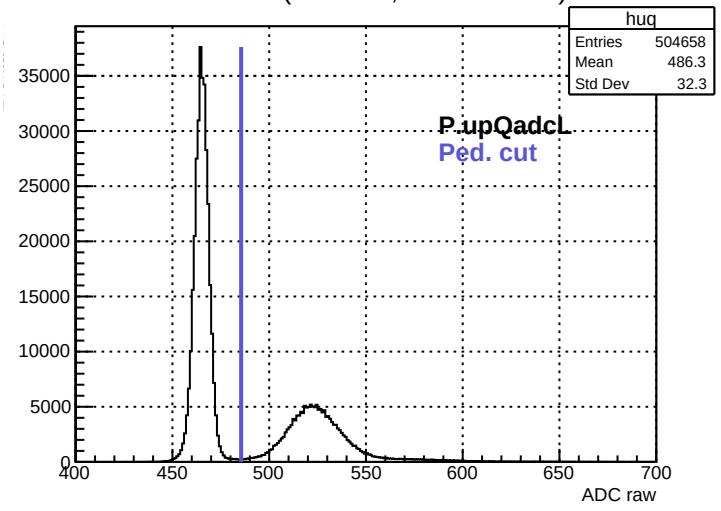

θlab (deg), xCut = -0.112 m
Theta
Entries 177861
Mean 4.732
Std Dev 0.4887
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

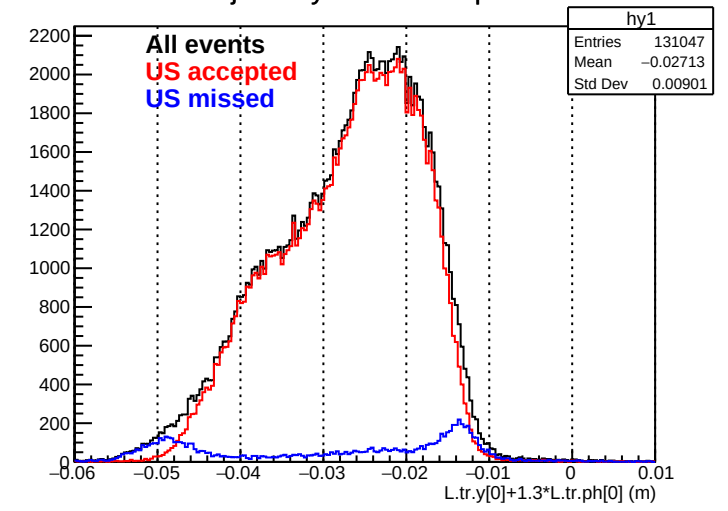

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 177861
Mean 0.5596
Std Dev 0.08637
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

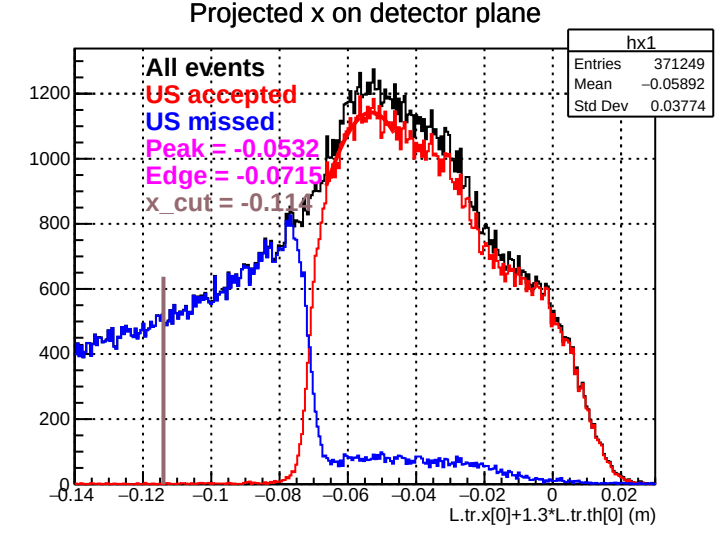

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 177861
Mean 0.5472
Std Dev 0.08239
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

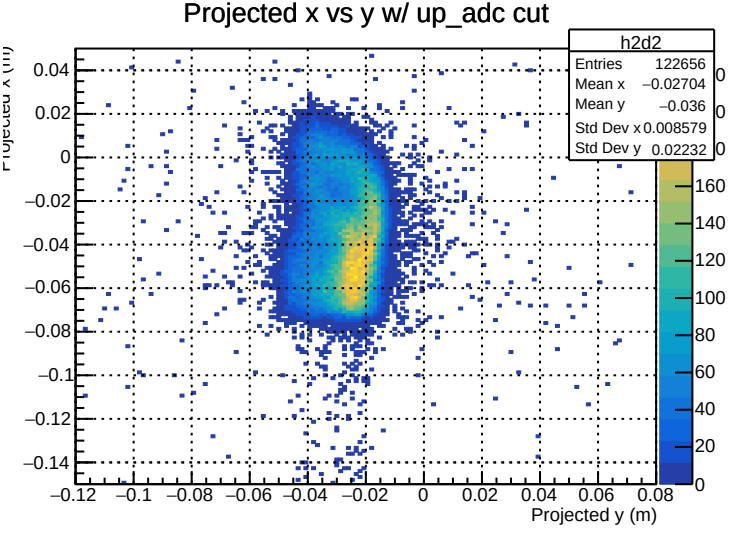

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 177861
Mean 0.006186
Std Dev 0.001316
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

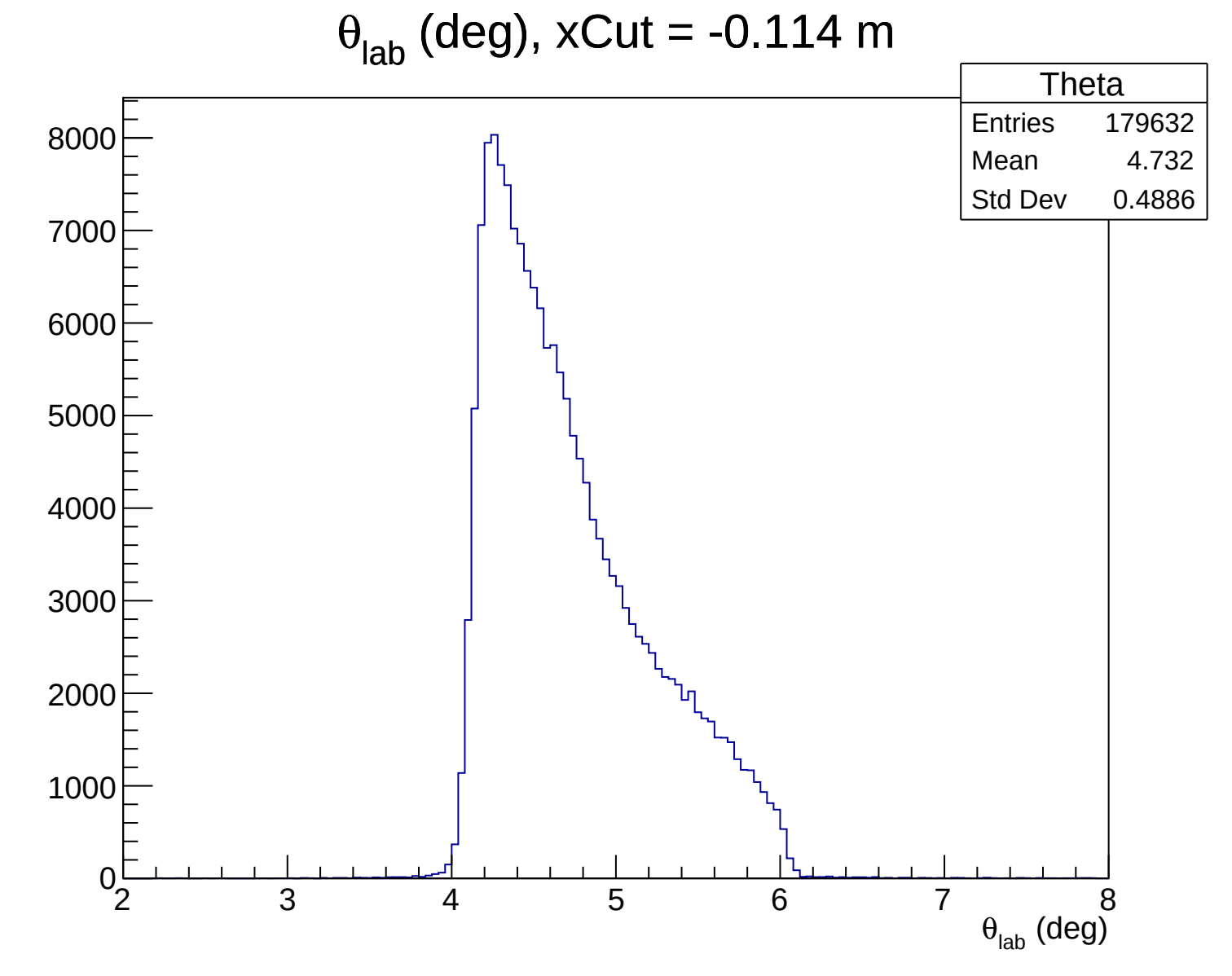

Sensitivity, xCut = -0.112 m
sens
Entries 177861
Mean 0.0217
Std Dev 0.004192
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

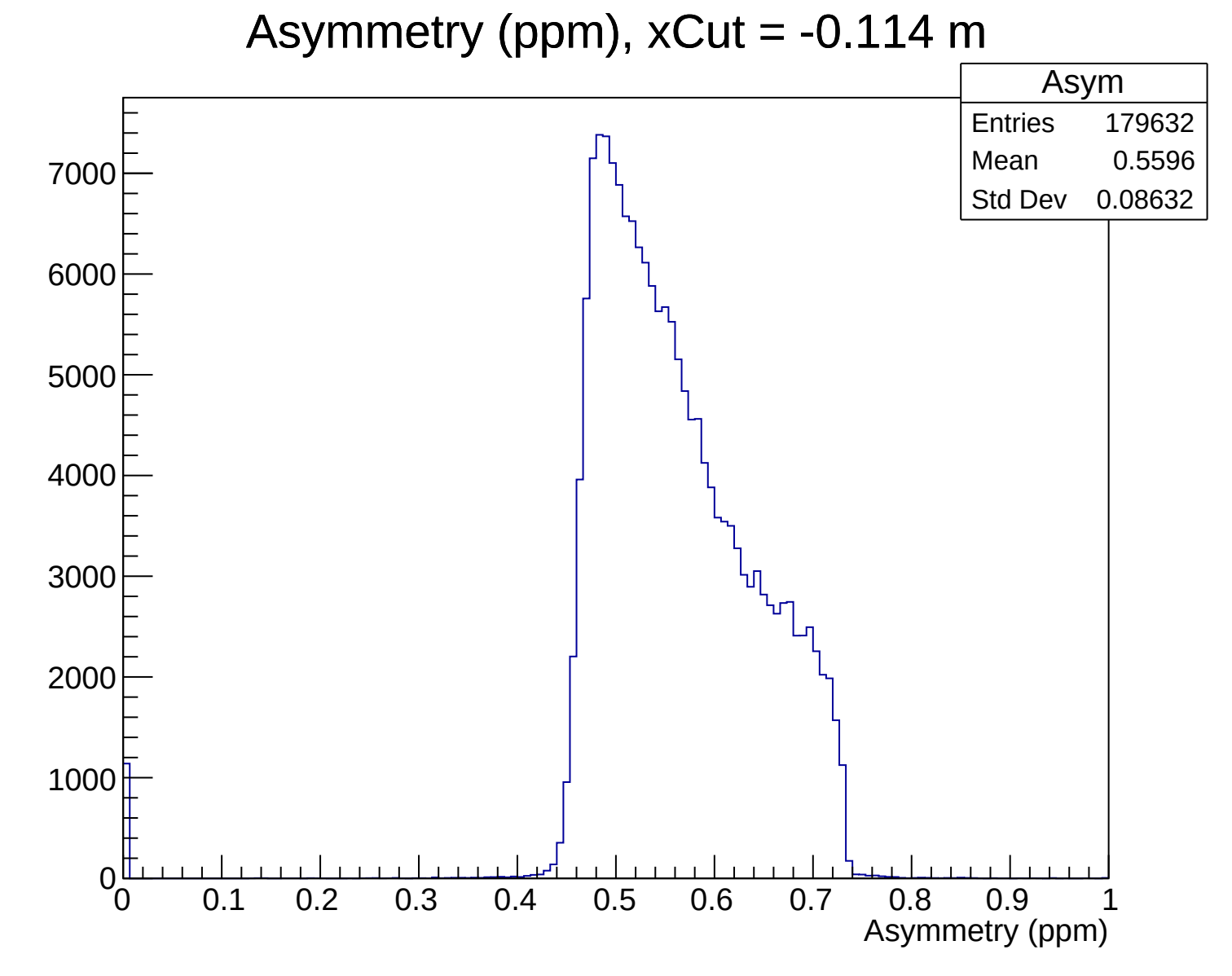

ADC raw (run2147, detZ = 1.3 m)
huq
Entries 504658
Mean 486.3
Std Dev 32.3
P.upQadcL
Ped. cut
ADC raw

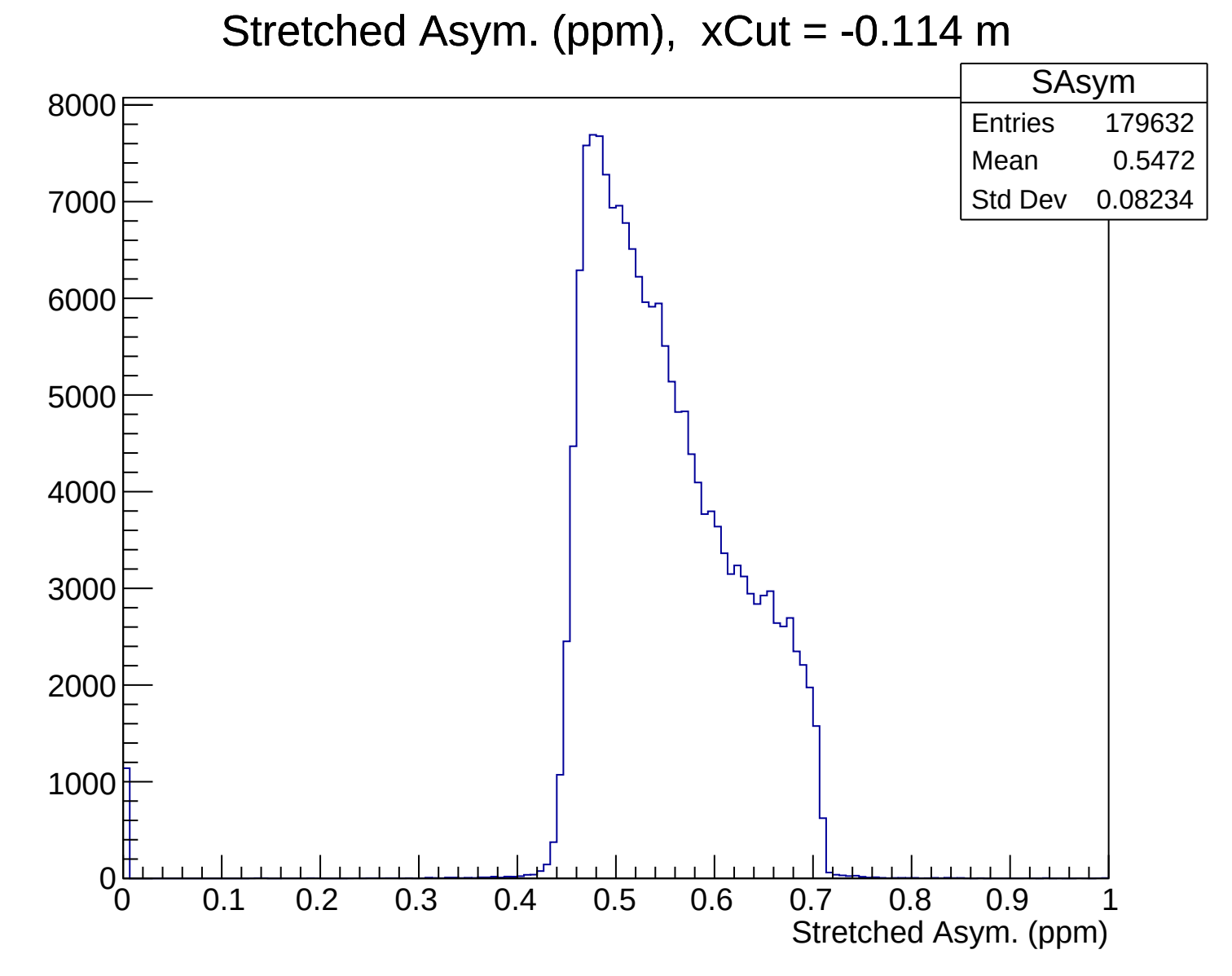

Projected y on detector plane
hy1
Entries 131047
Mean −0.02713
Std Dev 0.00901
All events
US accepted
US missed
L.tr.y[0]+1.3*L.tr.ph[0] (m)

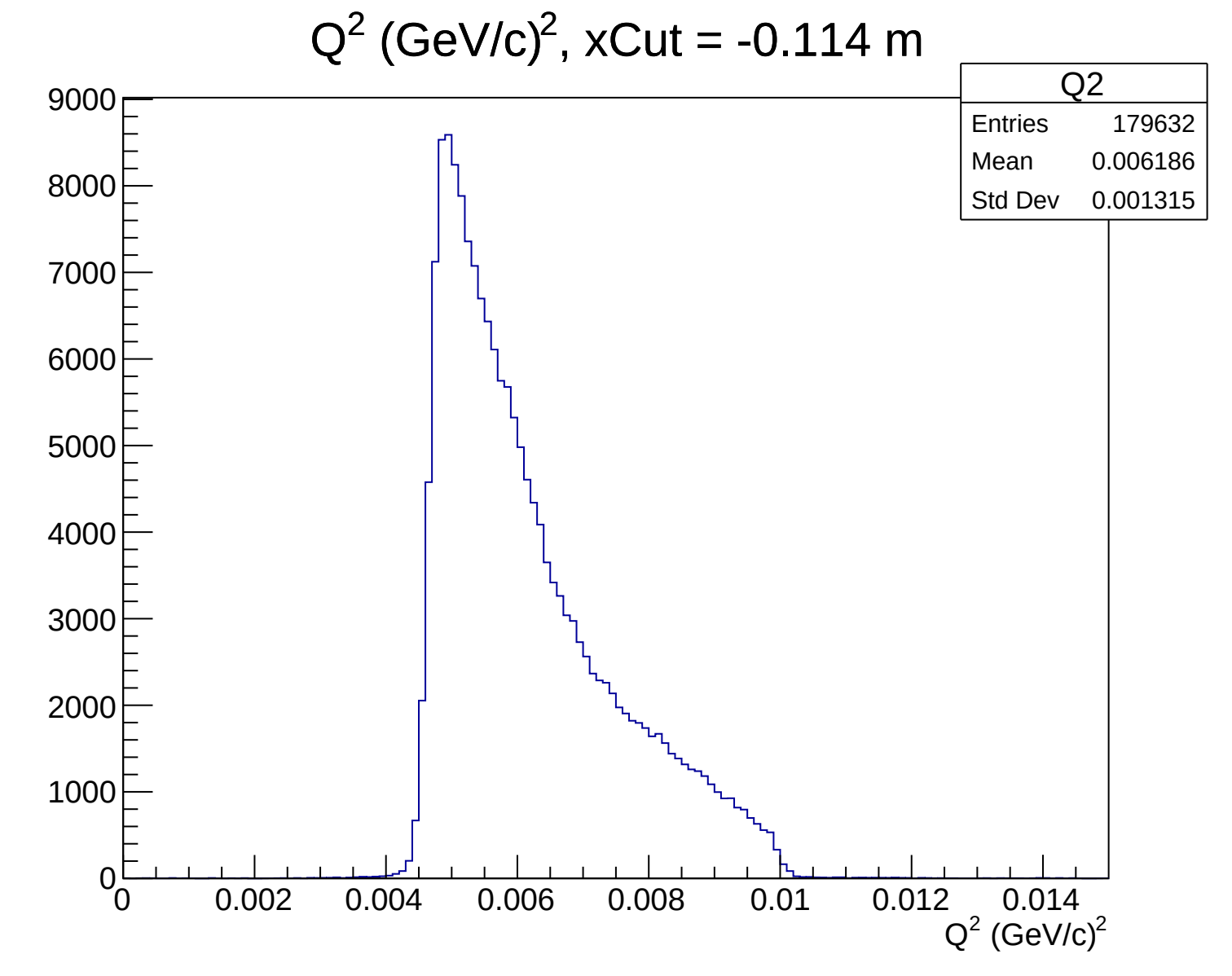

Projected x on detector plane
hx1
Entries 371249
Mean −0.05892
Std Dev 0.03774
All events
US accepted
US missed
Peak = -0.0532
Edge = -0.0715
x_cut = -0.114
L.tr.x[0]+1.3*L.tr.th[0] (m)

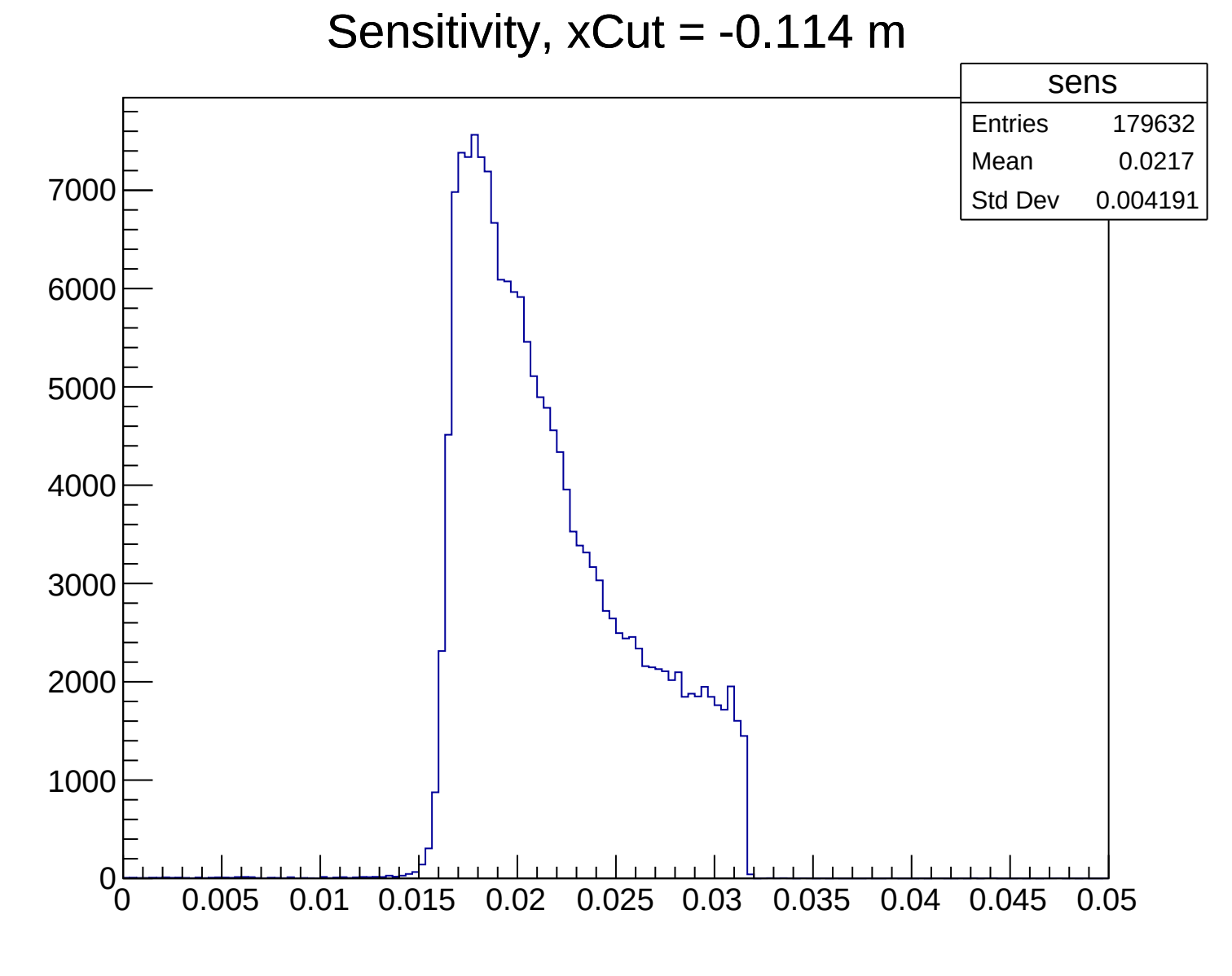

Projected x vs y w/ up_adc cut
h2d2
Entries 122656
Mean x −0.02704
Mean y −0.036
Std Dev x 0.008579
Std Dev y 0.02232
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 179632
Mean 4.732
Std Dev 0.4886
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 179632
Mean 0.5596
Std Dev 0.08632
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), xCut = -0.114 m
SAsym
Entries 179632
Mean 0.5472
Std Dev 0.08234
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, xCut = -0.114 m
Q2
Entries 179632
Mean 0.006186
Std Dev 0.001315
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, xCut = -0.114 m
sens
Entries 179632
Mean 0.0217
Std Dev 0.004191
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05