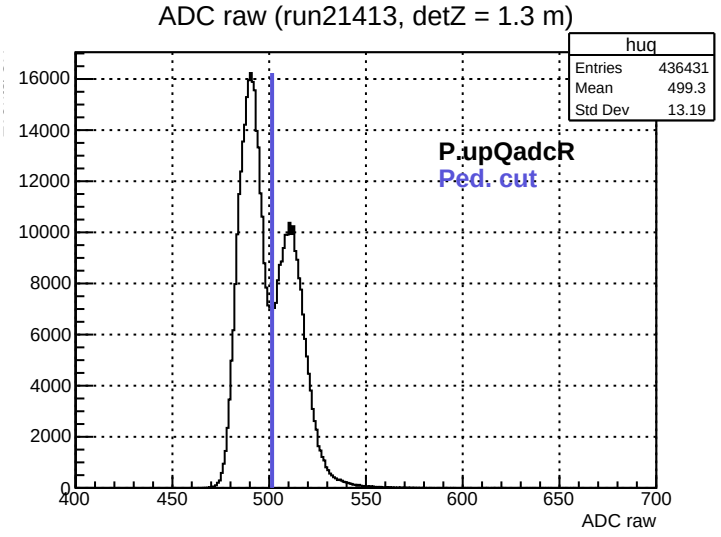
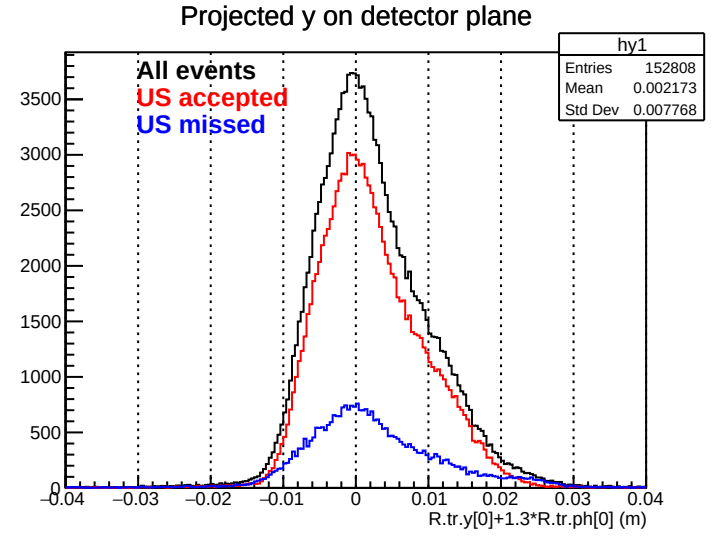
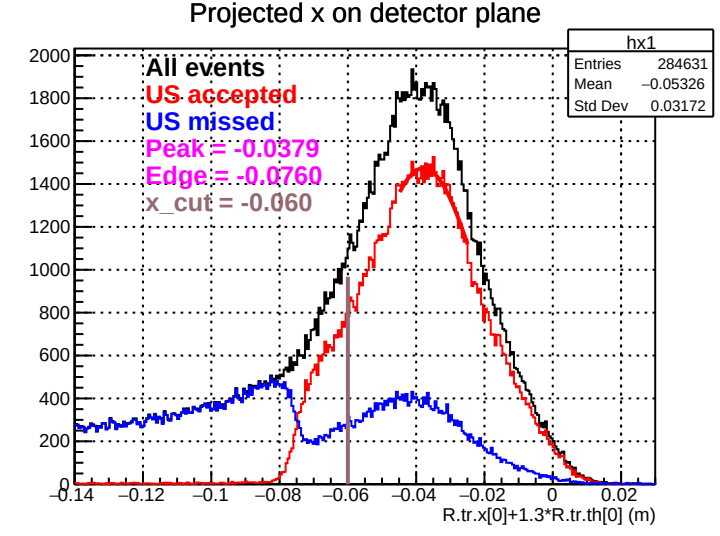
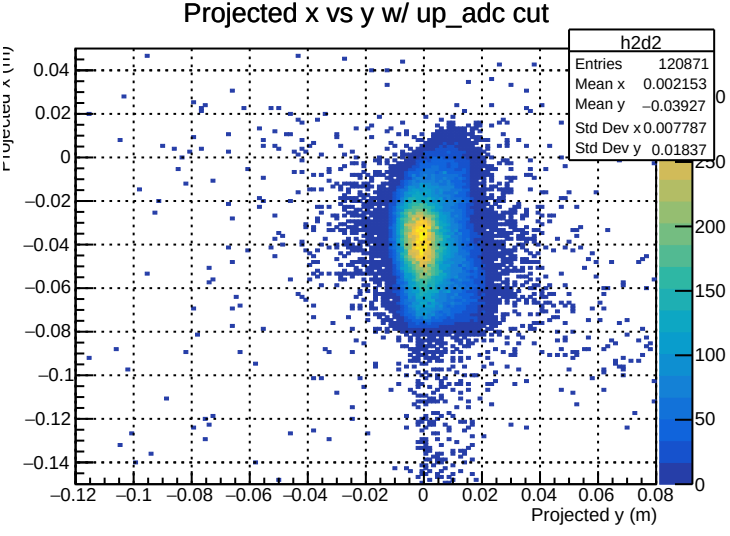
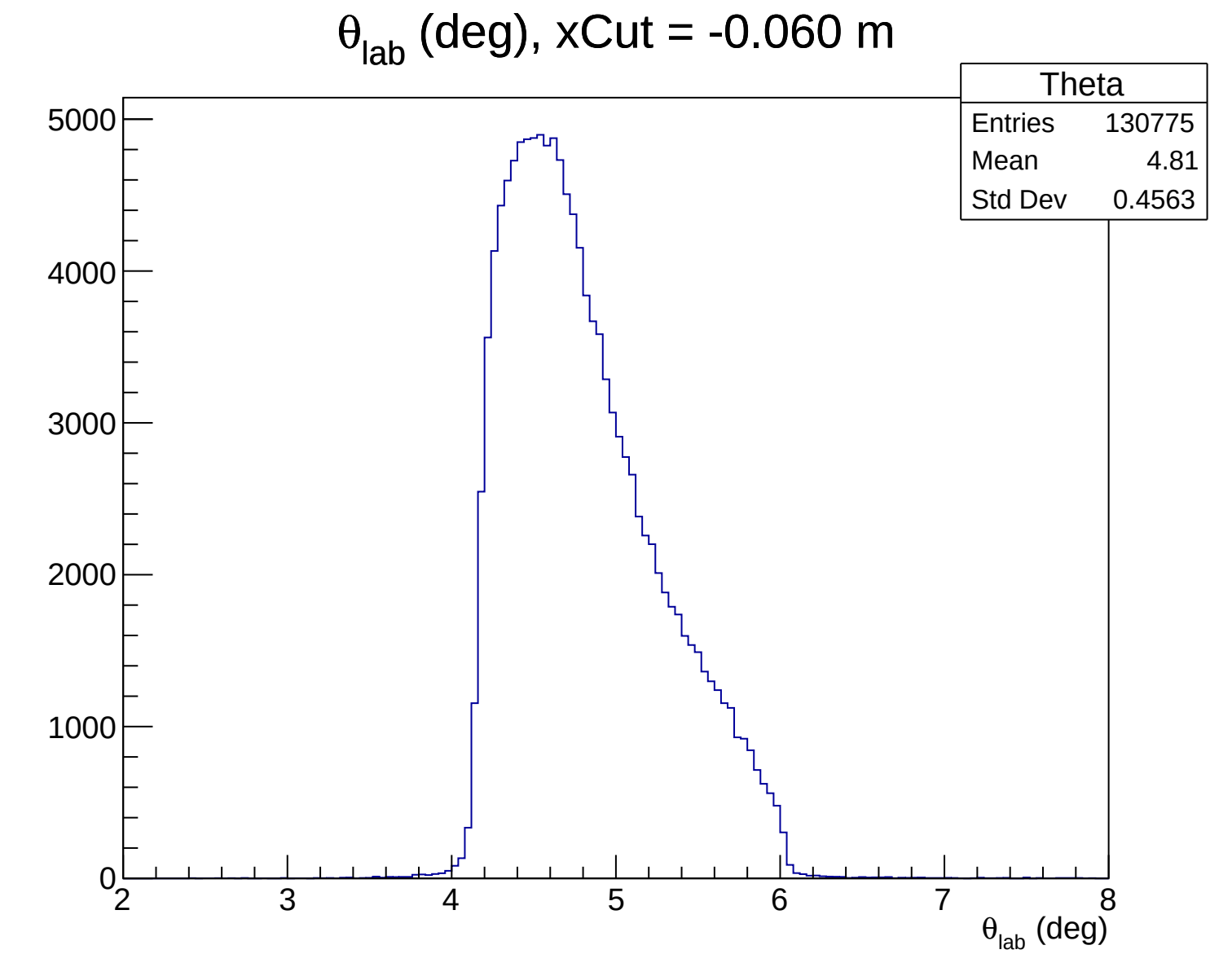
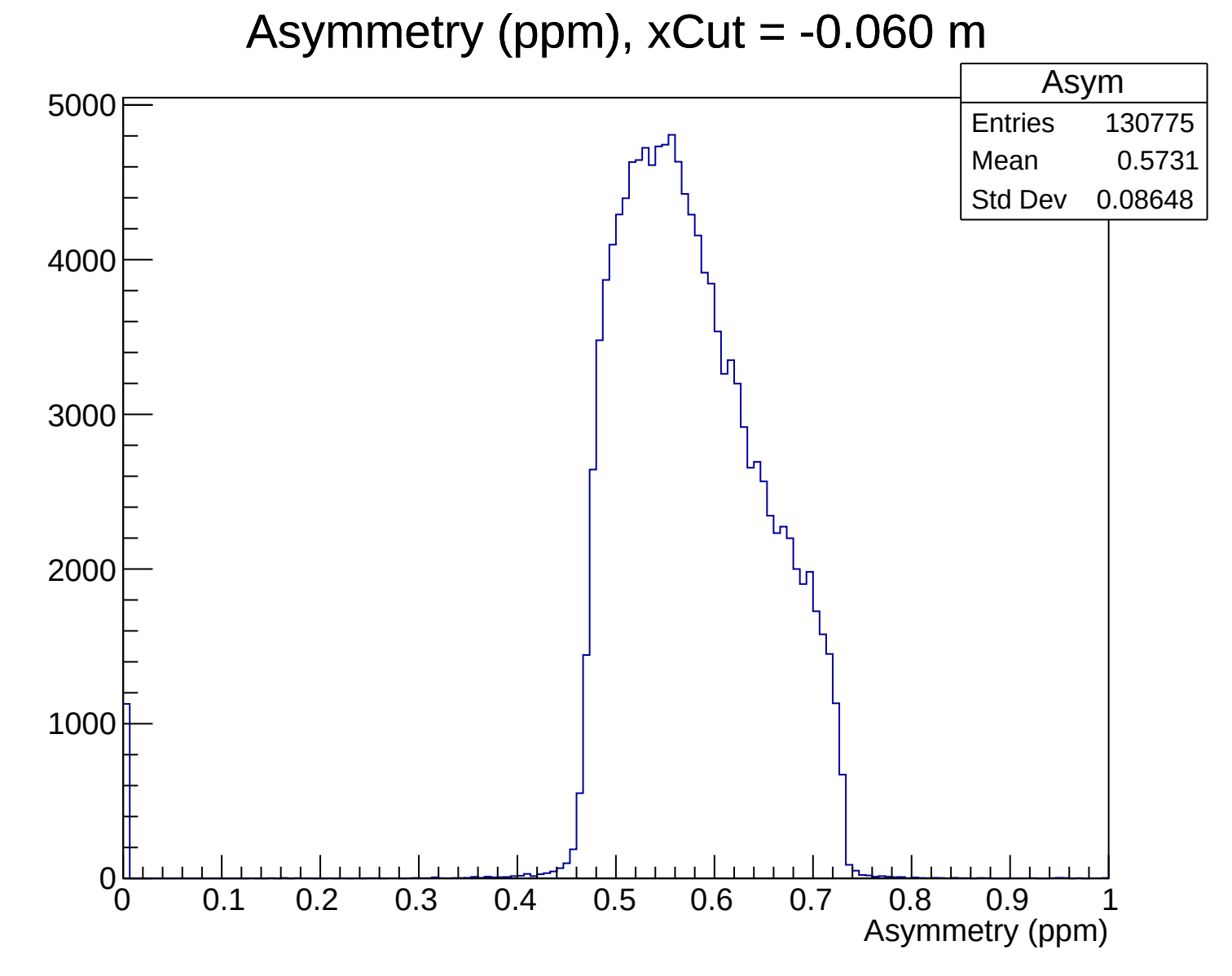

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

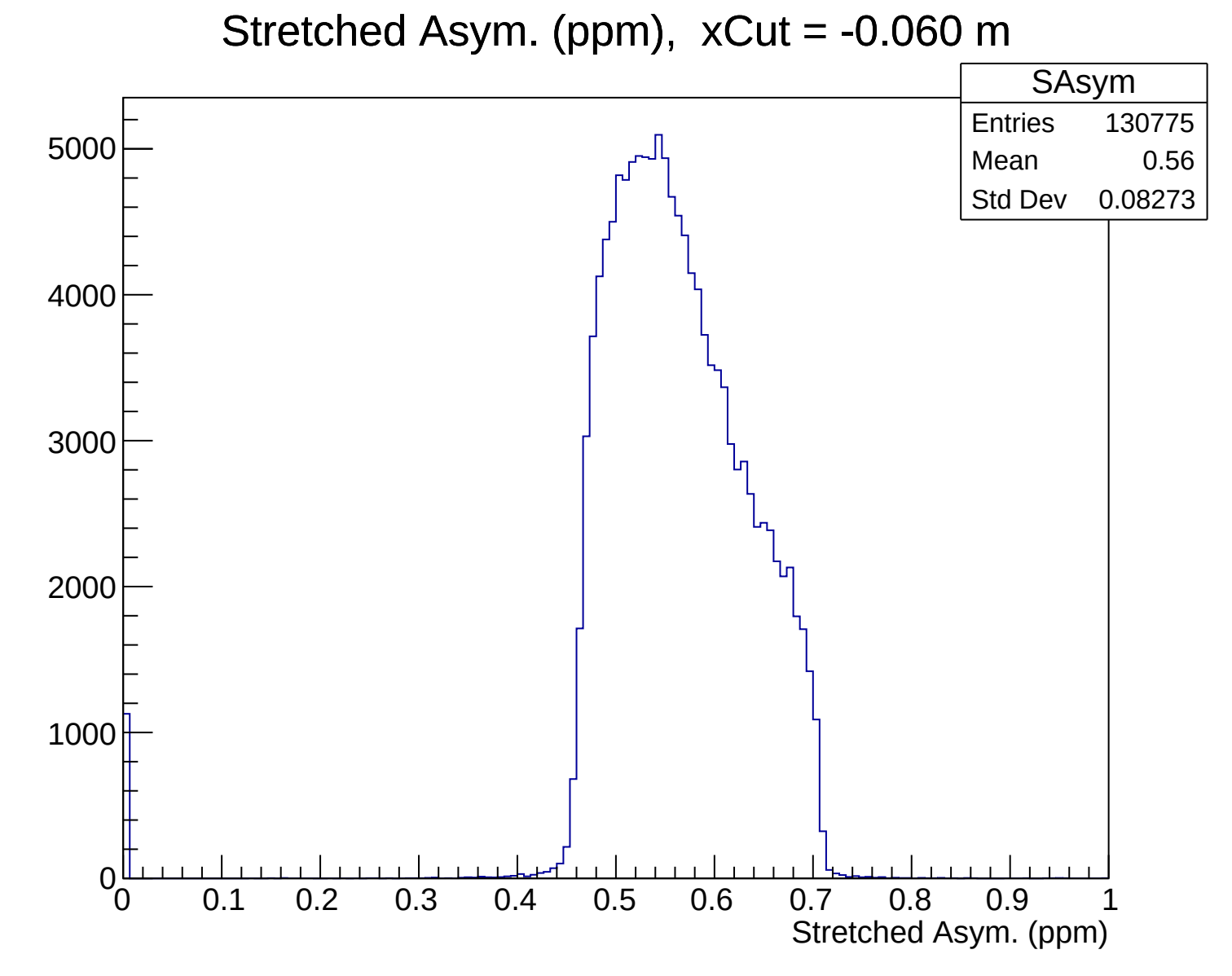

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

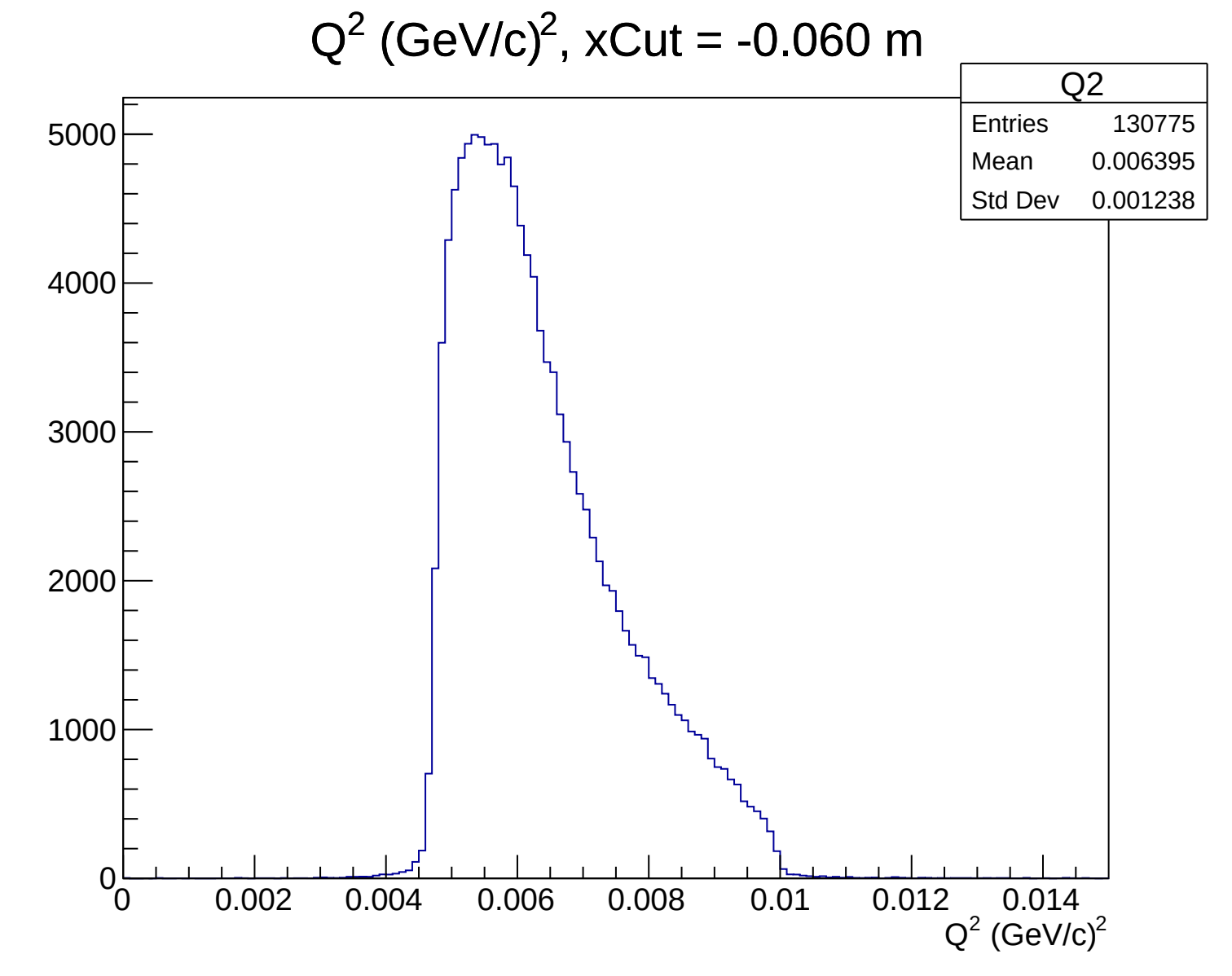

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.060
R.tr.x[0]+1.3*R.tr.th[0] (m)

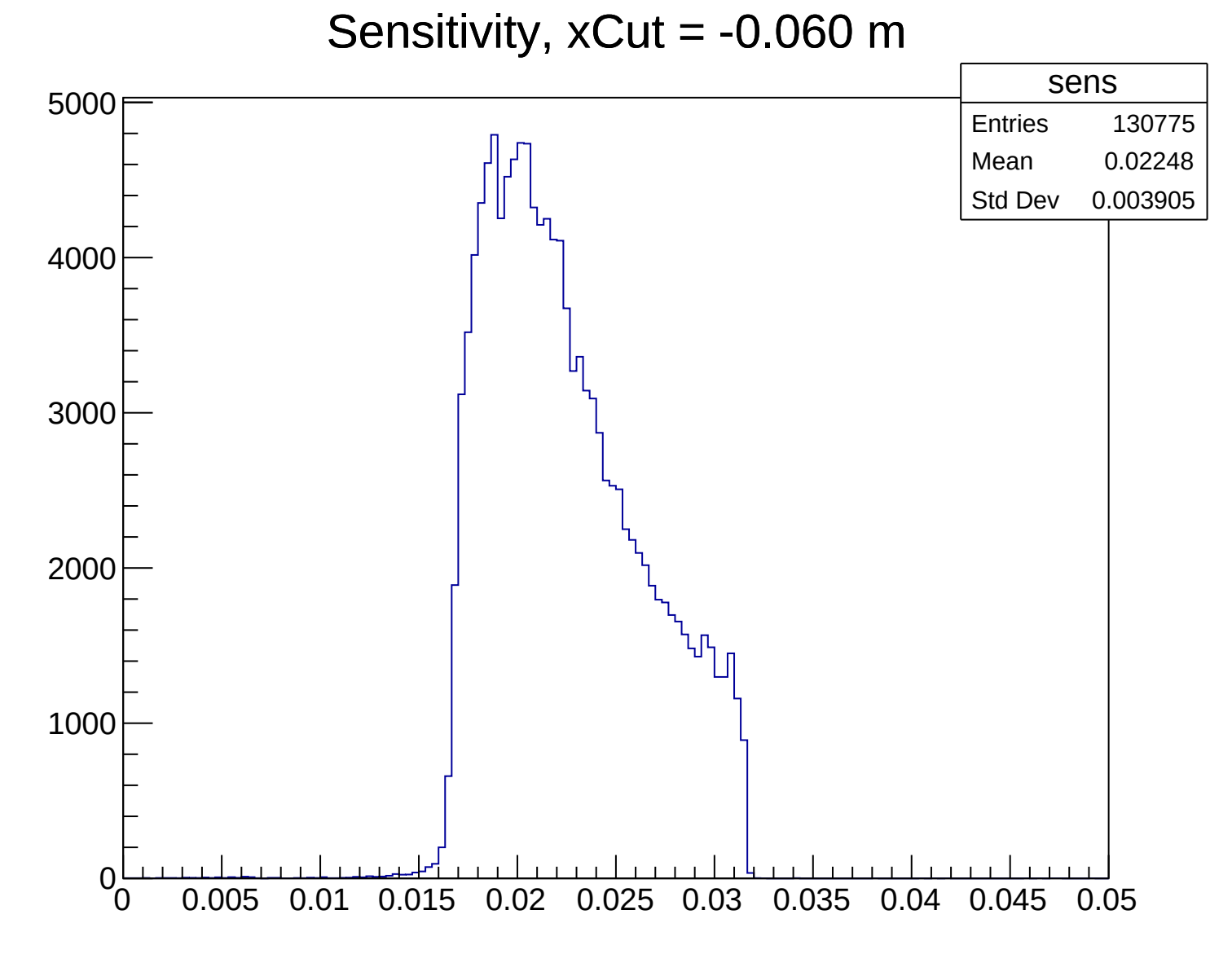

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

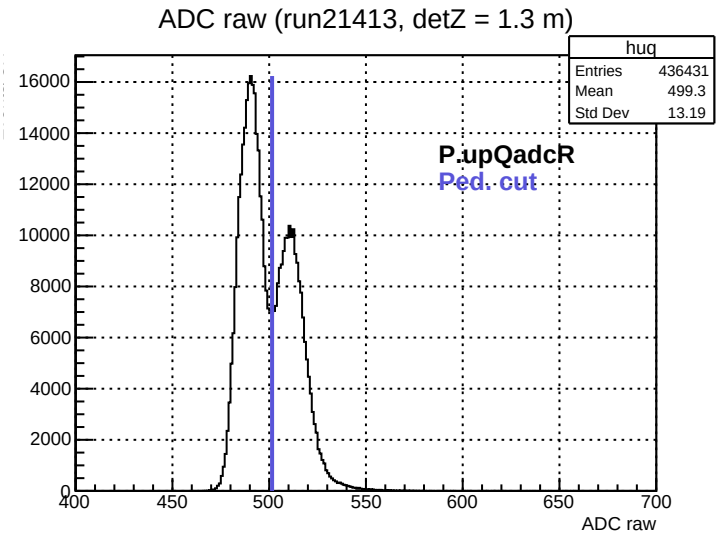

θlab (deg), xCut = -0.060 m
Theta
Entries 130775
Mean 4.81
Std Dev 0.4563
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

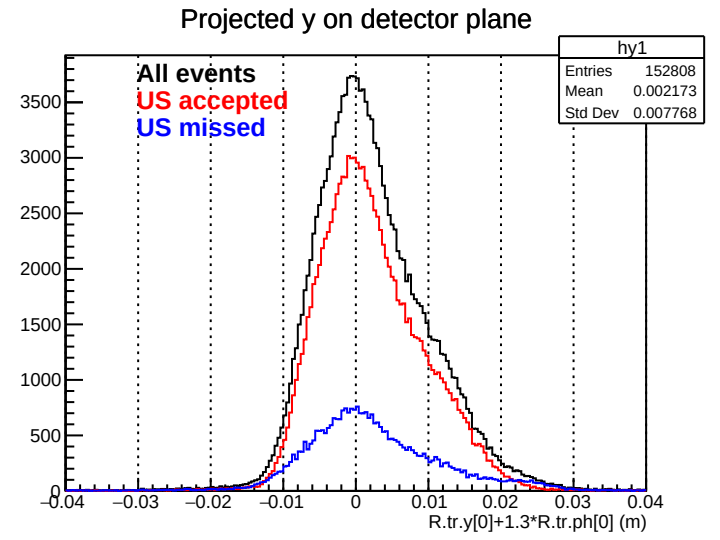

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 130775
Mean 0.5731
Std Dev 0.08648
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

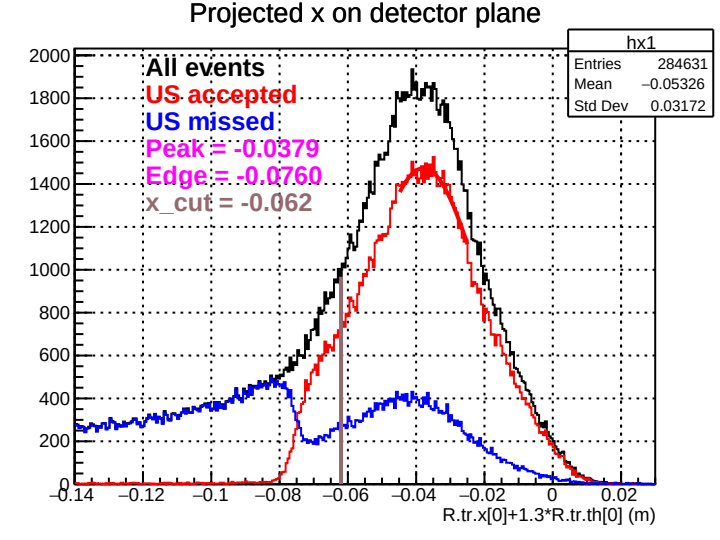

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 130775
Mean 0.56
Std Dev 0.08273
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

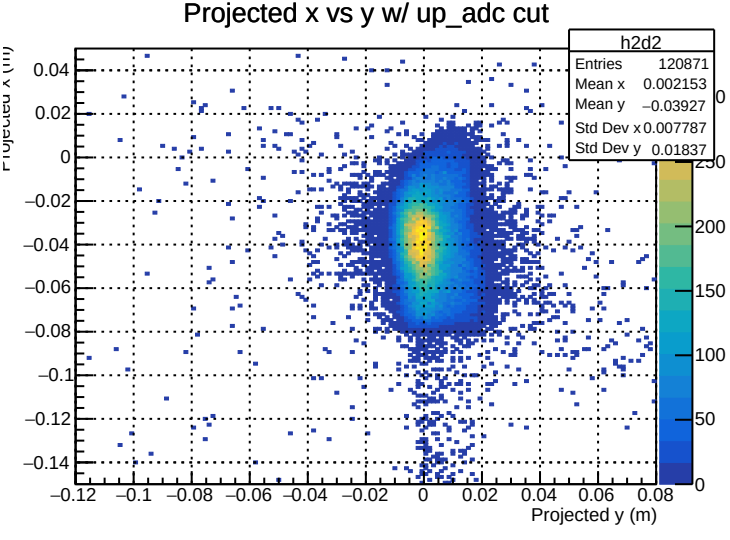

$Q^2$ (GeV/c)$^2$, xCut = -0.060 m
Q2
Entries 130775
Mean 0.006395
Std Dev 0.001238
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

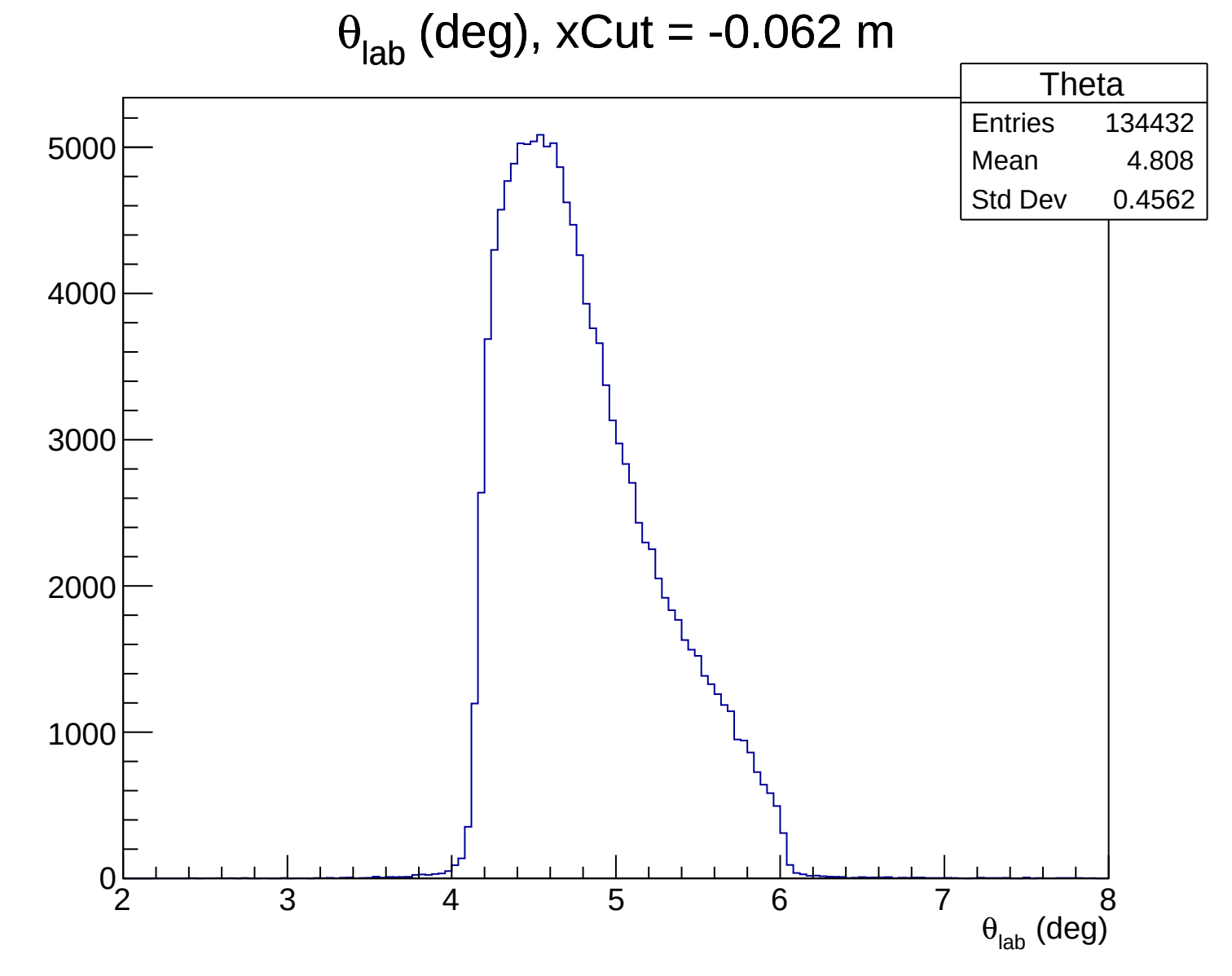

Sensitivity, xCut = -0.060 m
sens
Entries 130775
Mean 0.02248
Std Dev 0.003905
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

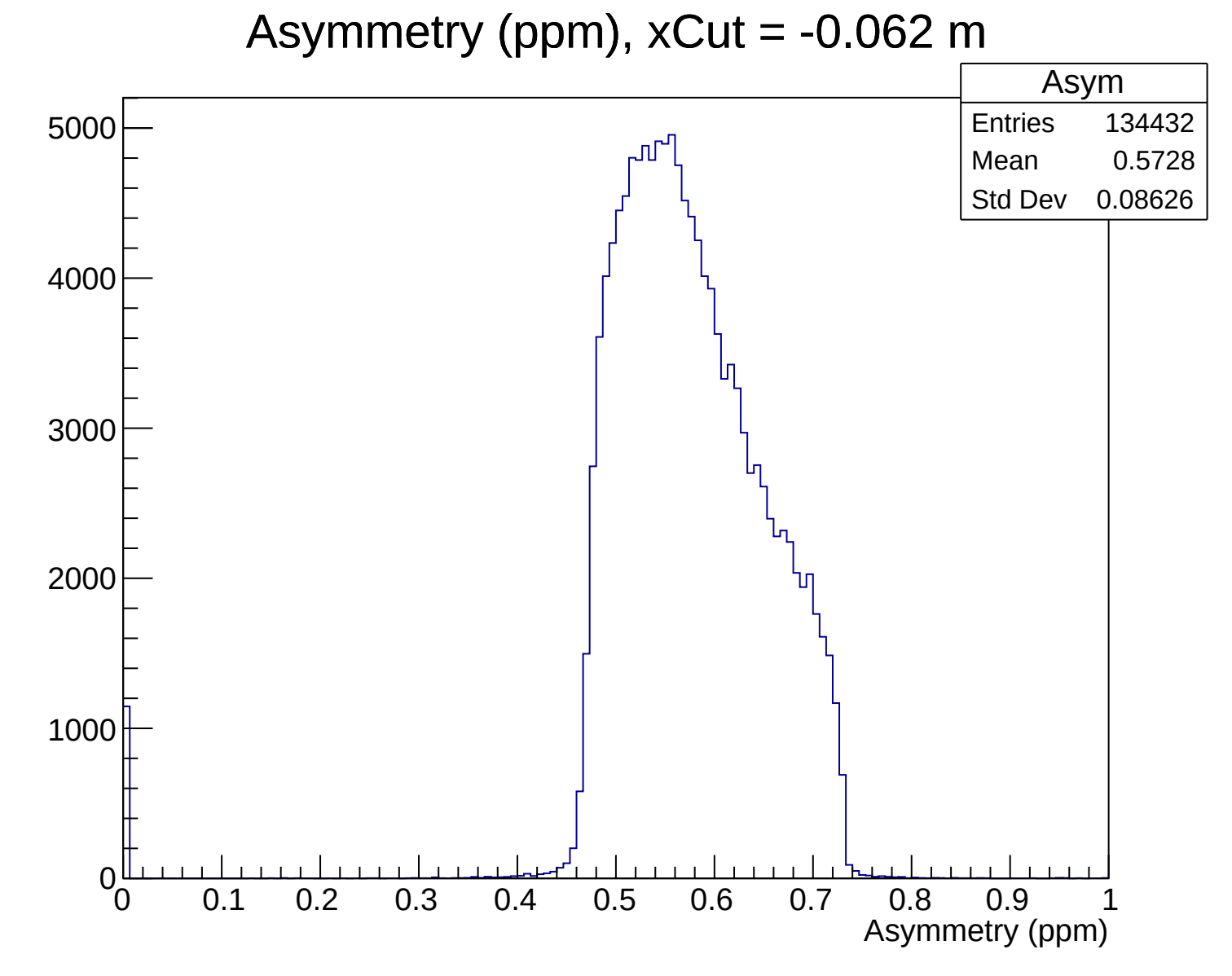

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

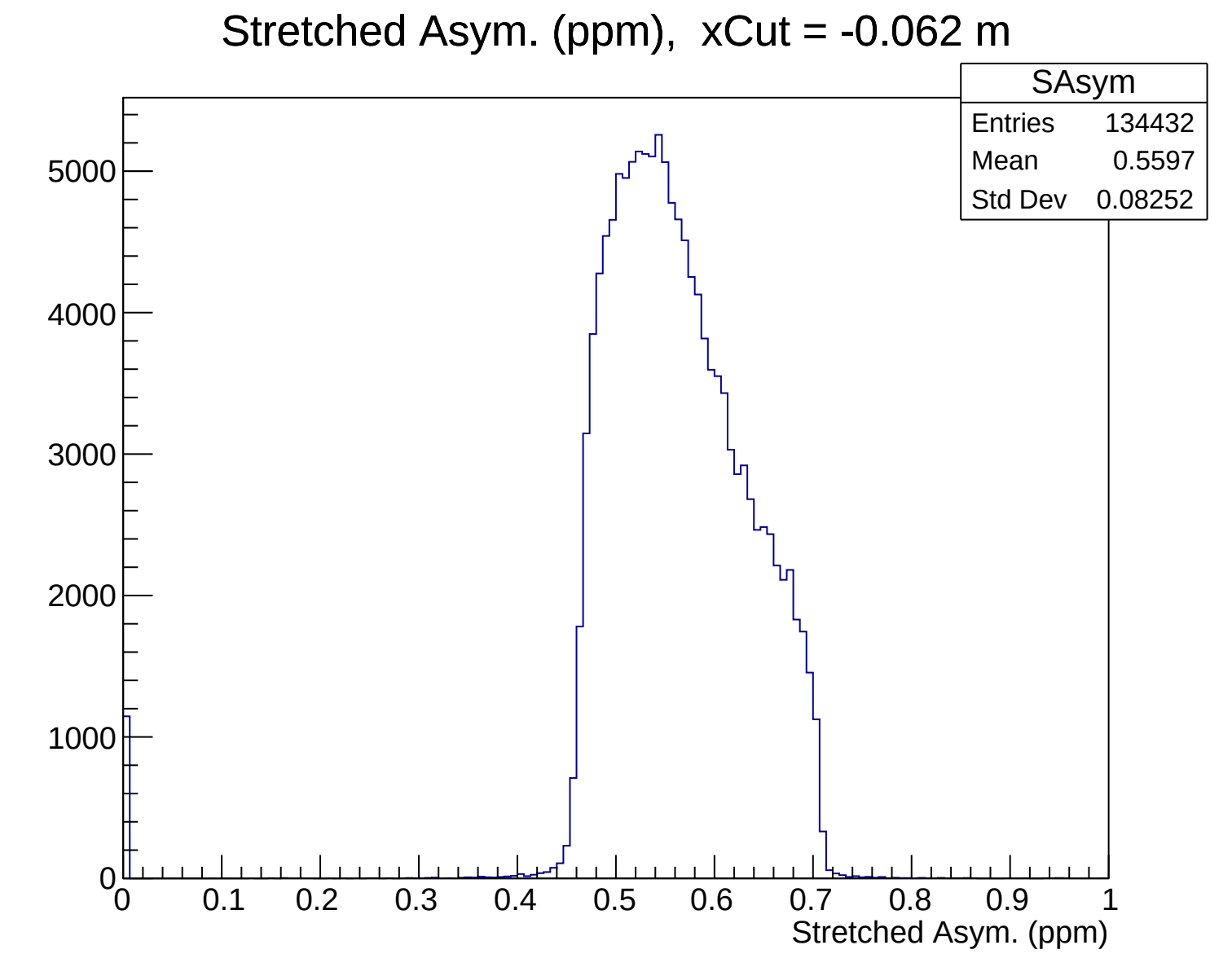

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

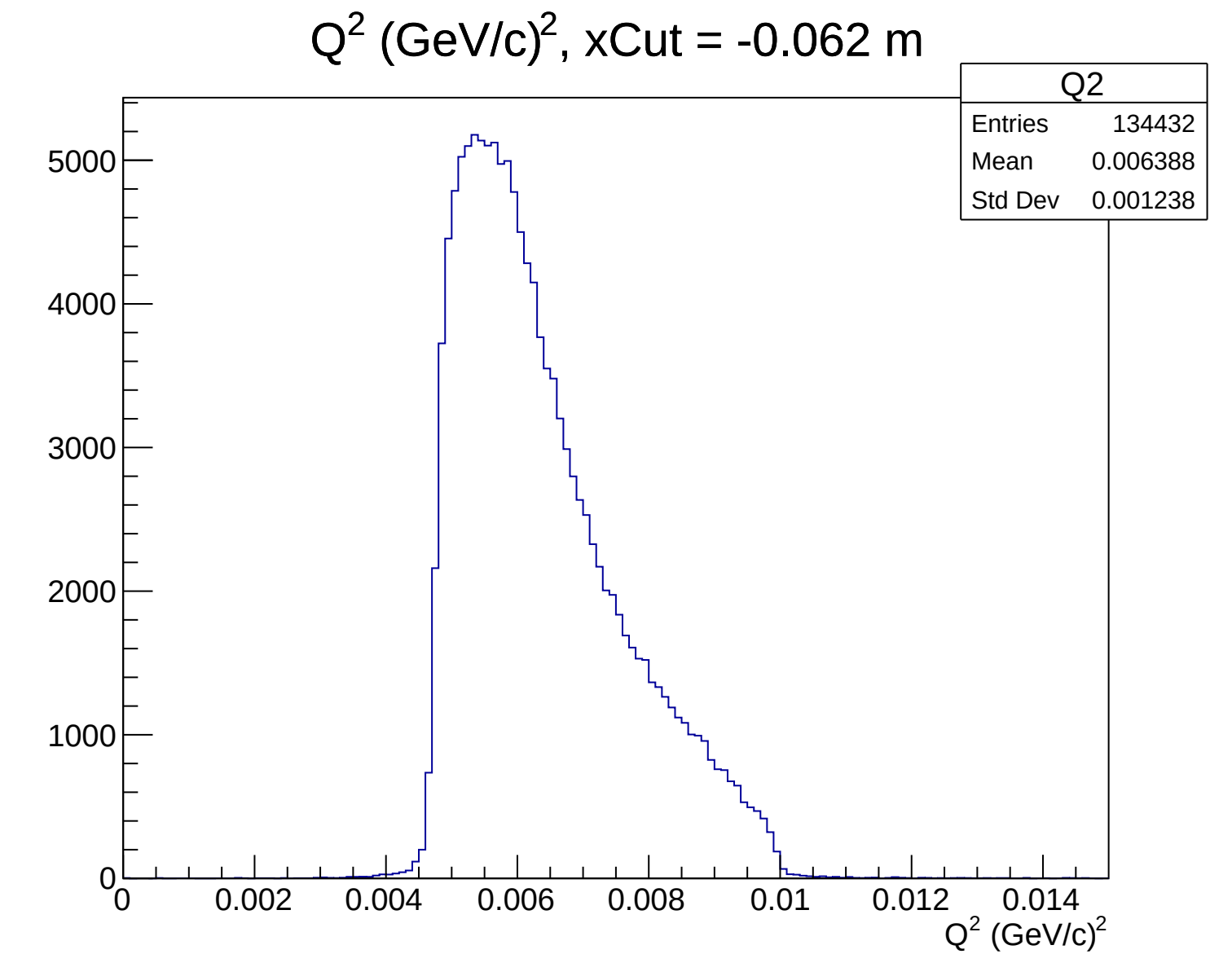

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.062
R.tr.x[0]+1.3*R.tr.th[0] (m)

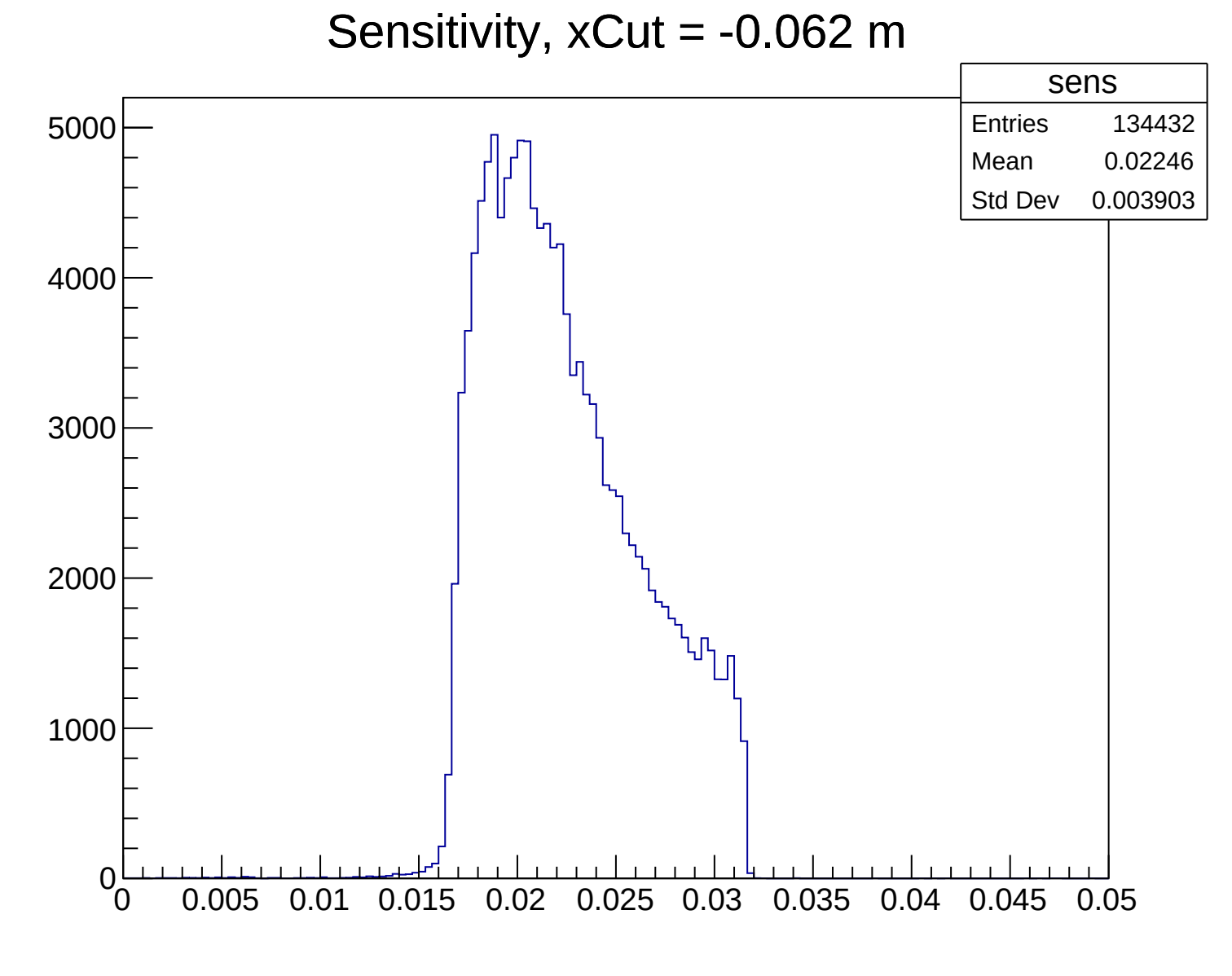

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

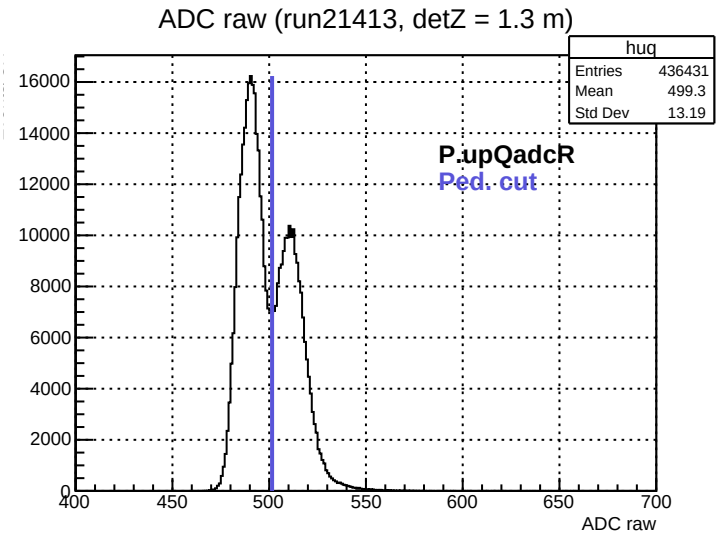

θlab (deg), xCut = -0.062 m
Theta
Entries 134432
Mean 4.808
Std Dev 0.4562
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

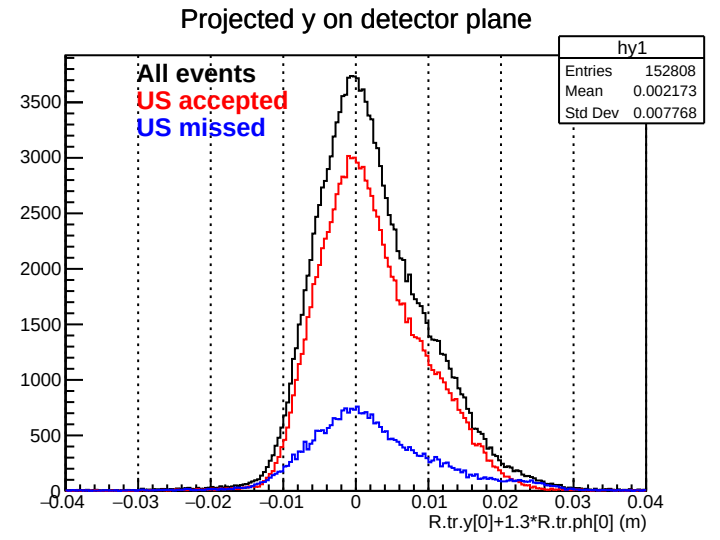

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 134432
Mean 0.5728
Std Dev 0.08626
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

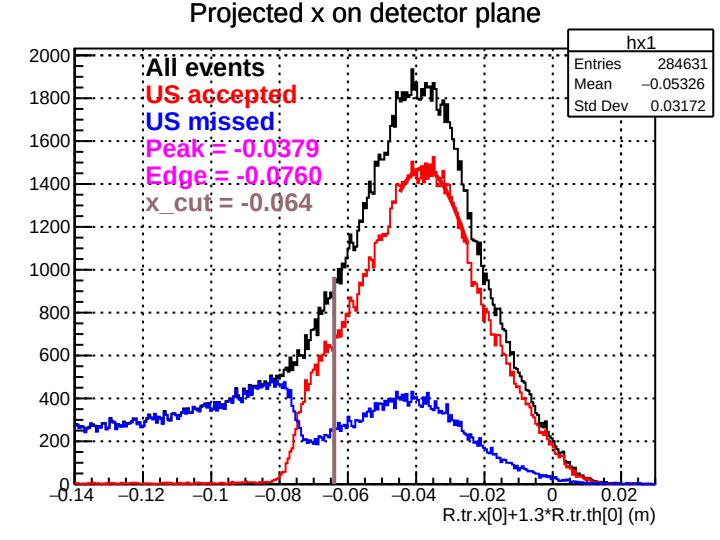

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 134432
Mean 0.5597
Std Dev 0.08252
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

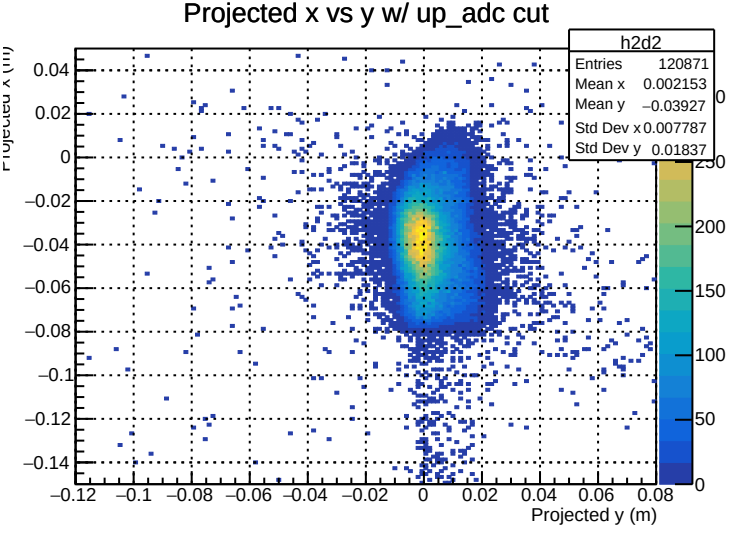

$Q^2$ (GeV/c)$^2$, xCut = -0.062 m
Q2
Entries 134432
Mean 0.006388
Std Dev 0.001238
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

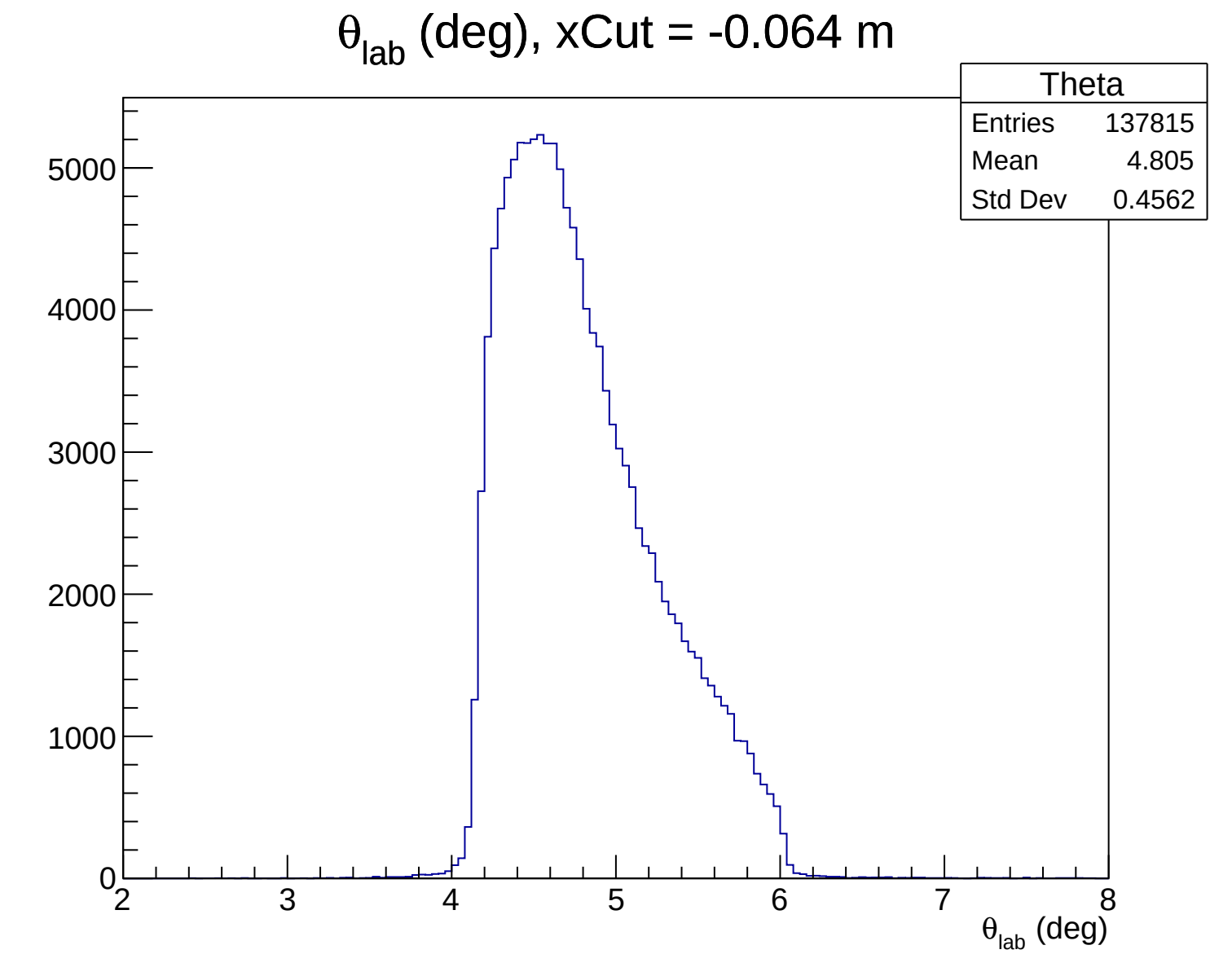

Sensitivity, xCut = -0.062 m
sens
Entries 134432
Mean 0.02246
Std Dev 0.003903
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

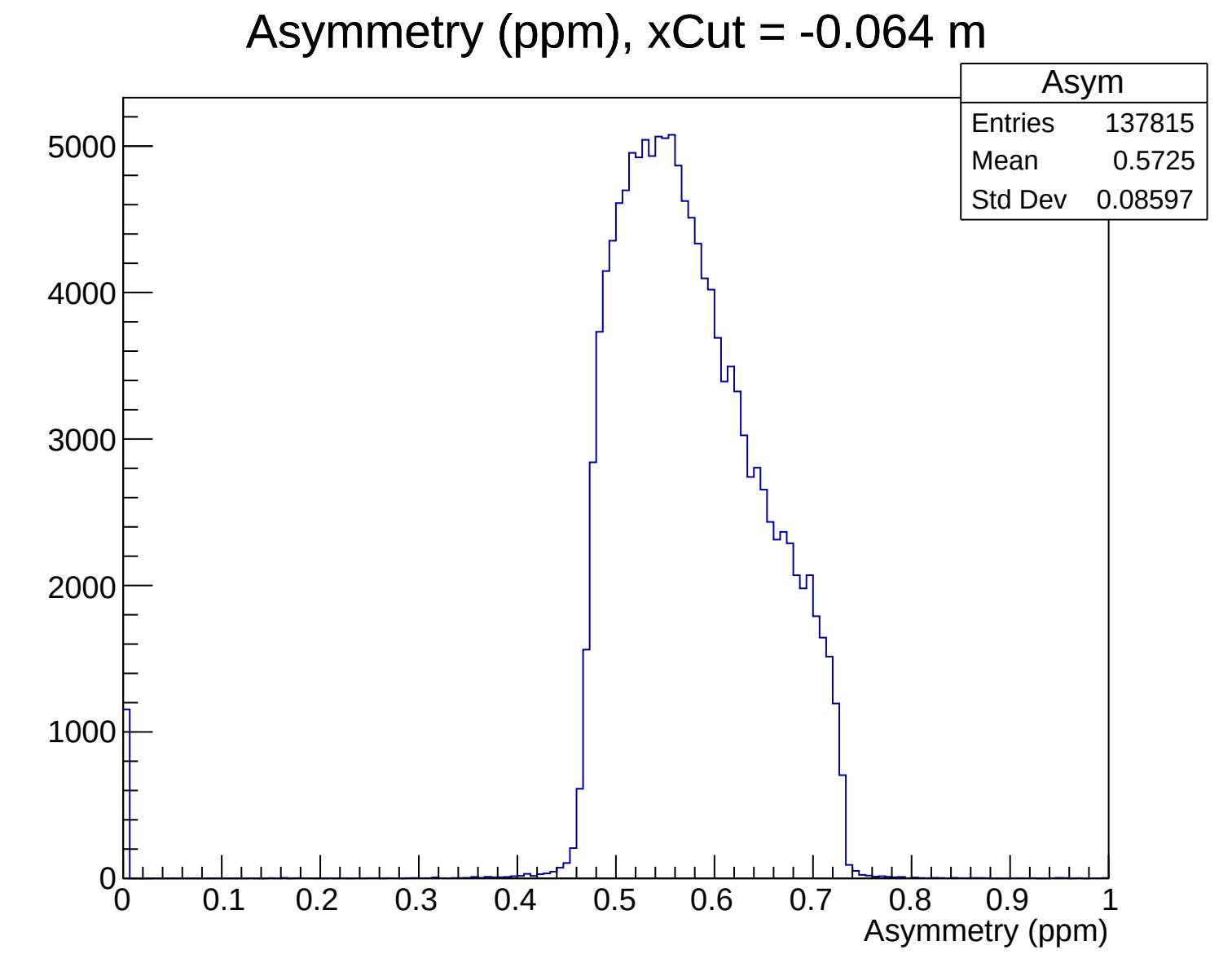

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

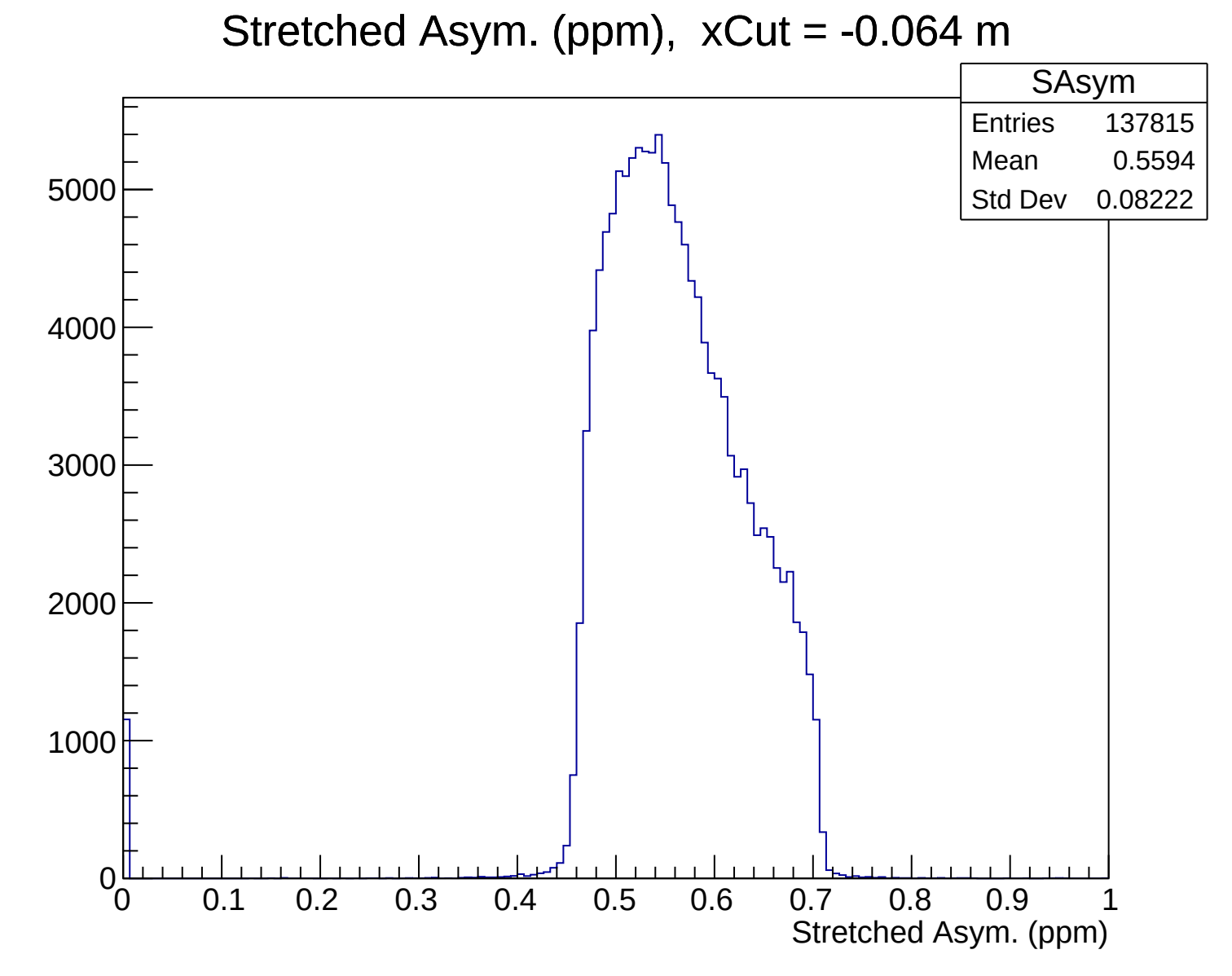

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

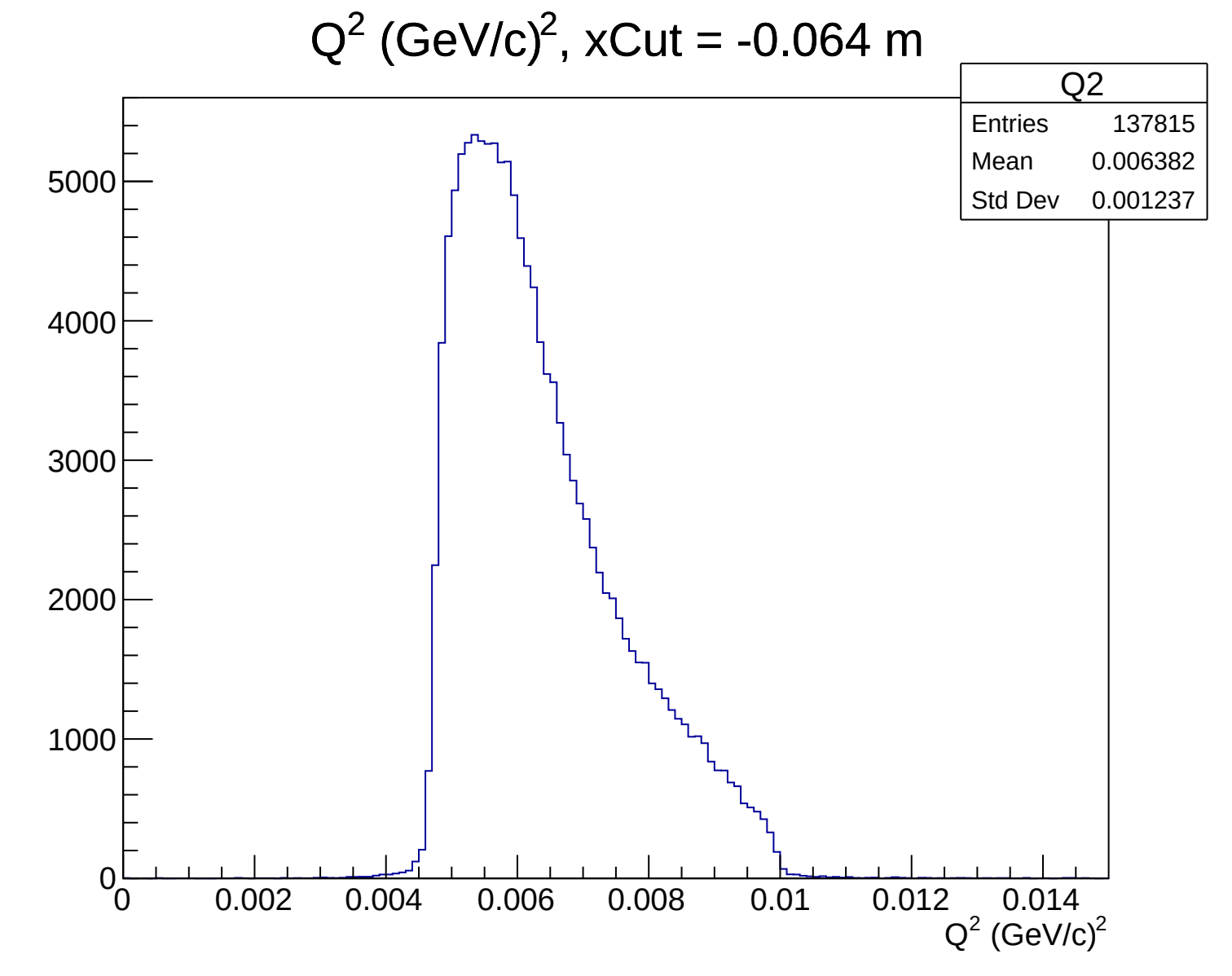

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.064
R.tr.x[0]+1.3*R.tr.th[0] (m)

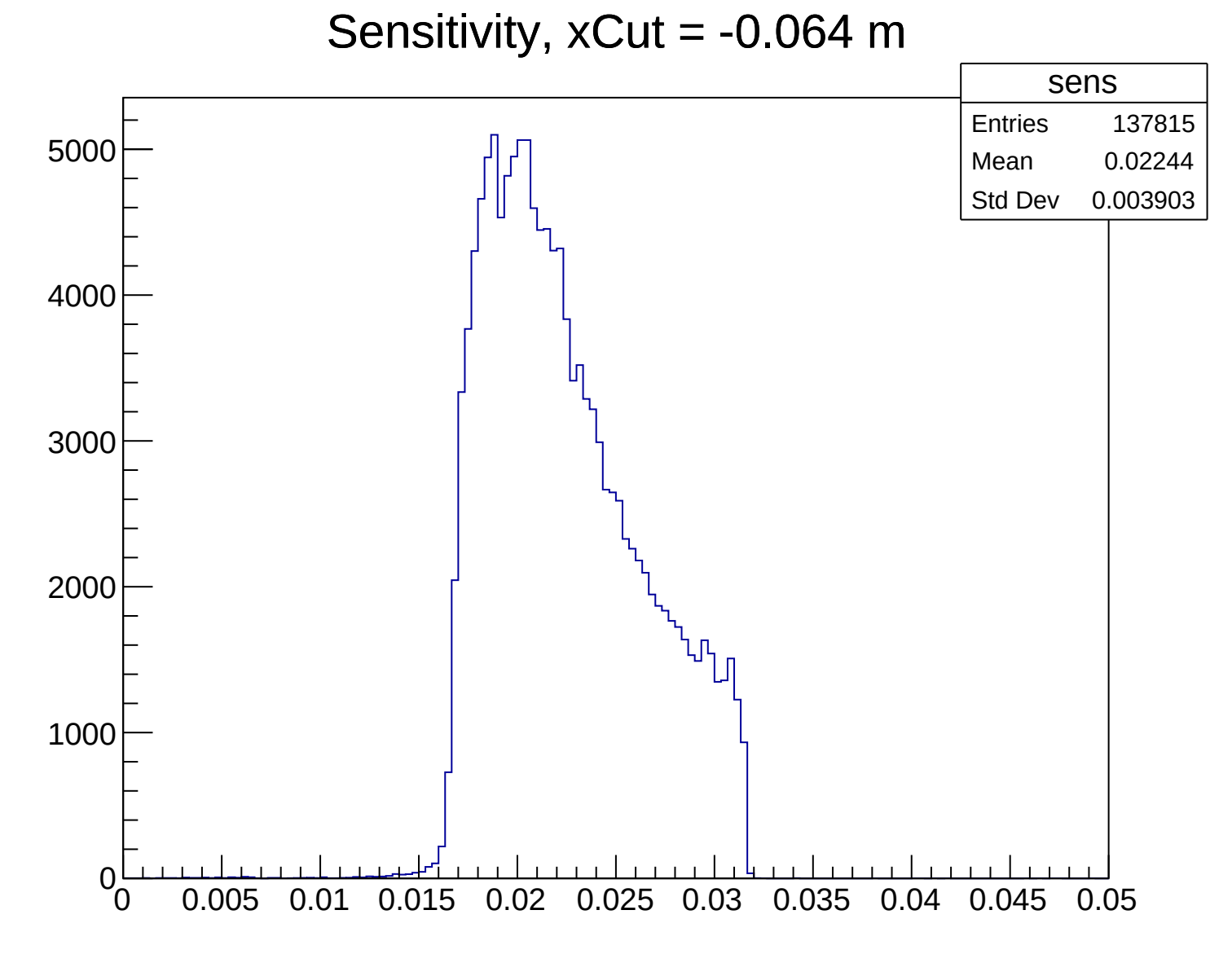

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

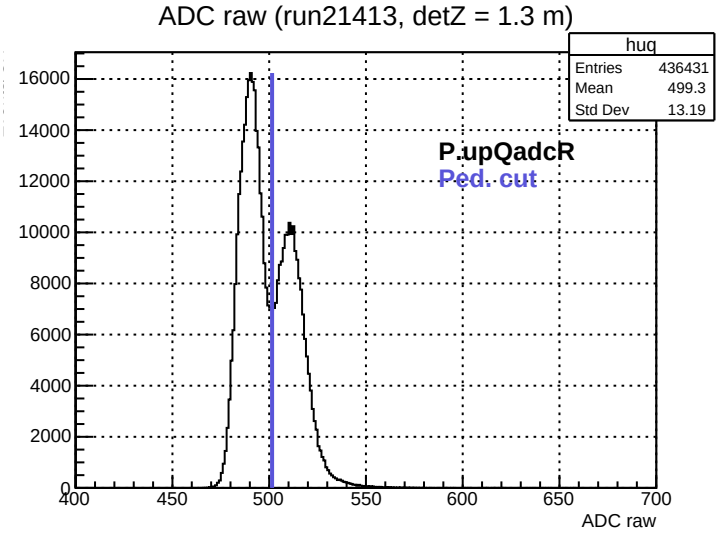

θlab (deg), xCut = -0.064 m
Theta
Entries 137815
Mean 4.805
Std Dev 0.4562
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

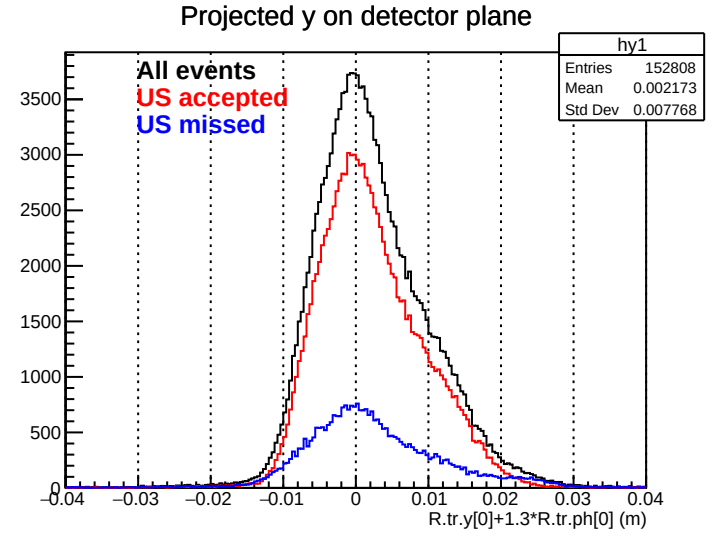

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 137815
Mean 0.5725
Std Dev 0.08597
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

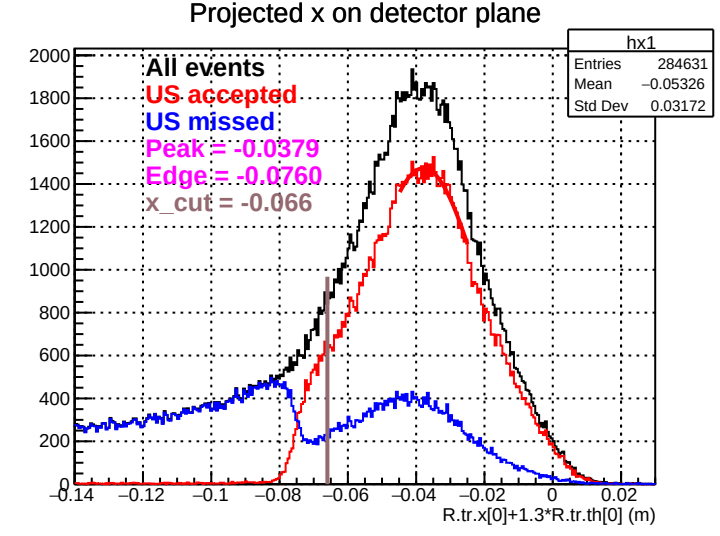

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 137815
Mean 0.5594
Std Dev 0.08222
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

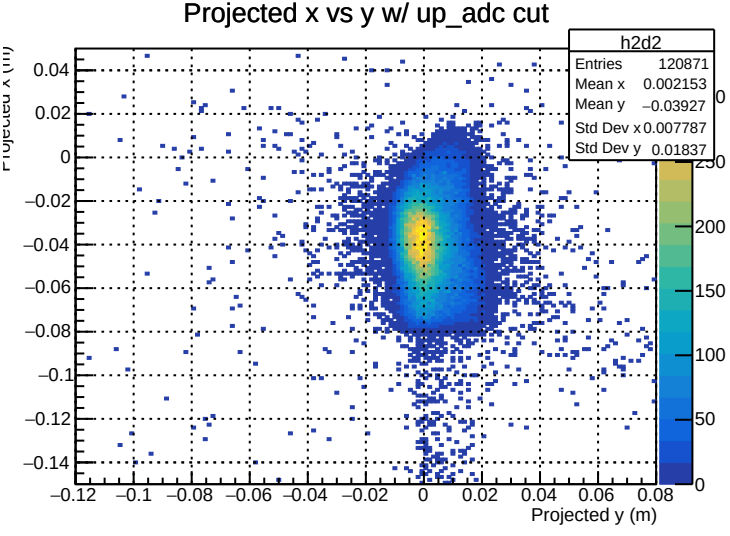

$Q^2$ (GeV/c)$^2$, xCut = -0.064 m
Q2
Entries 137815
Mean 0.006382
Std Dev 0.001237
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

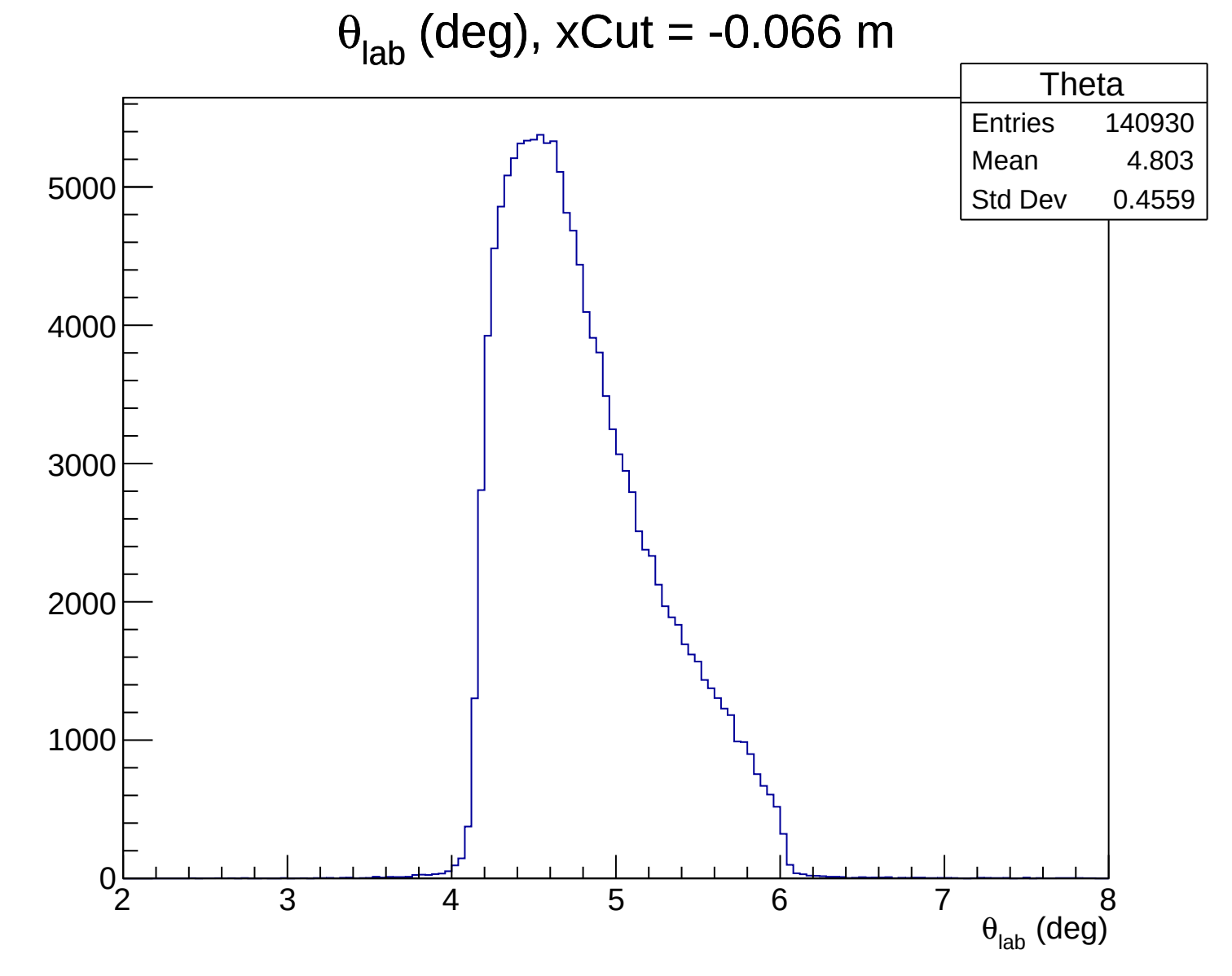

Sensitivity, xCut = -0.064 m
sens
Entries 137815
Mean 0.02244
Std Dev 0.003903
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

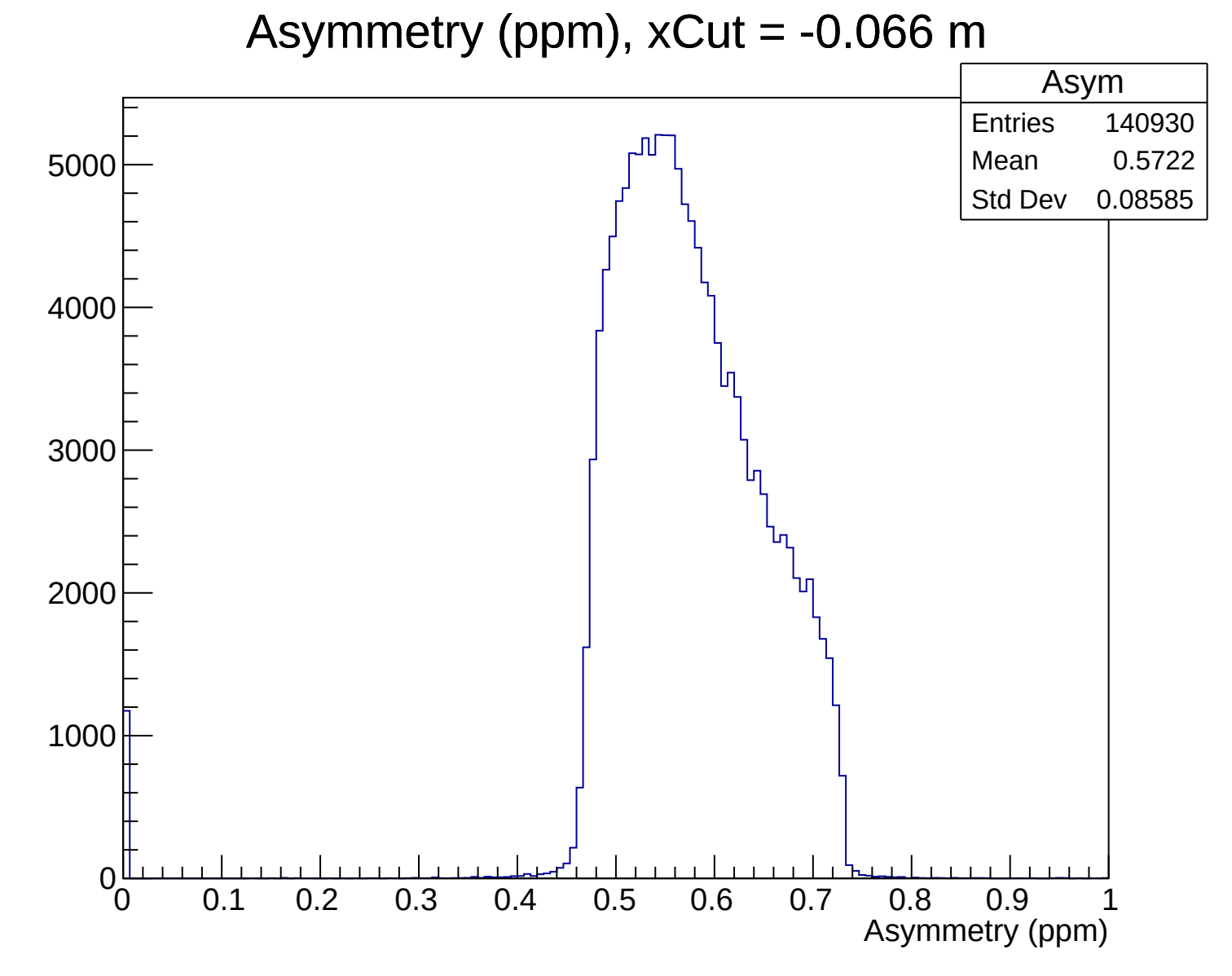

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

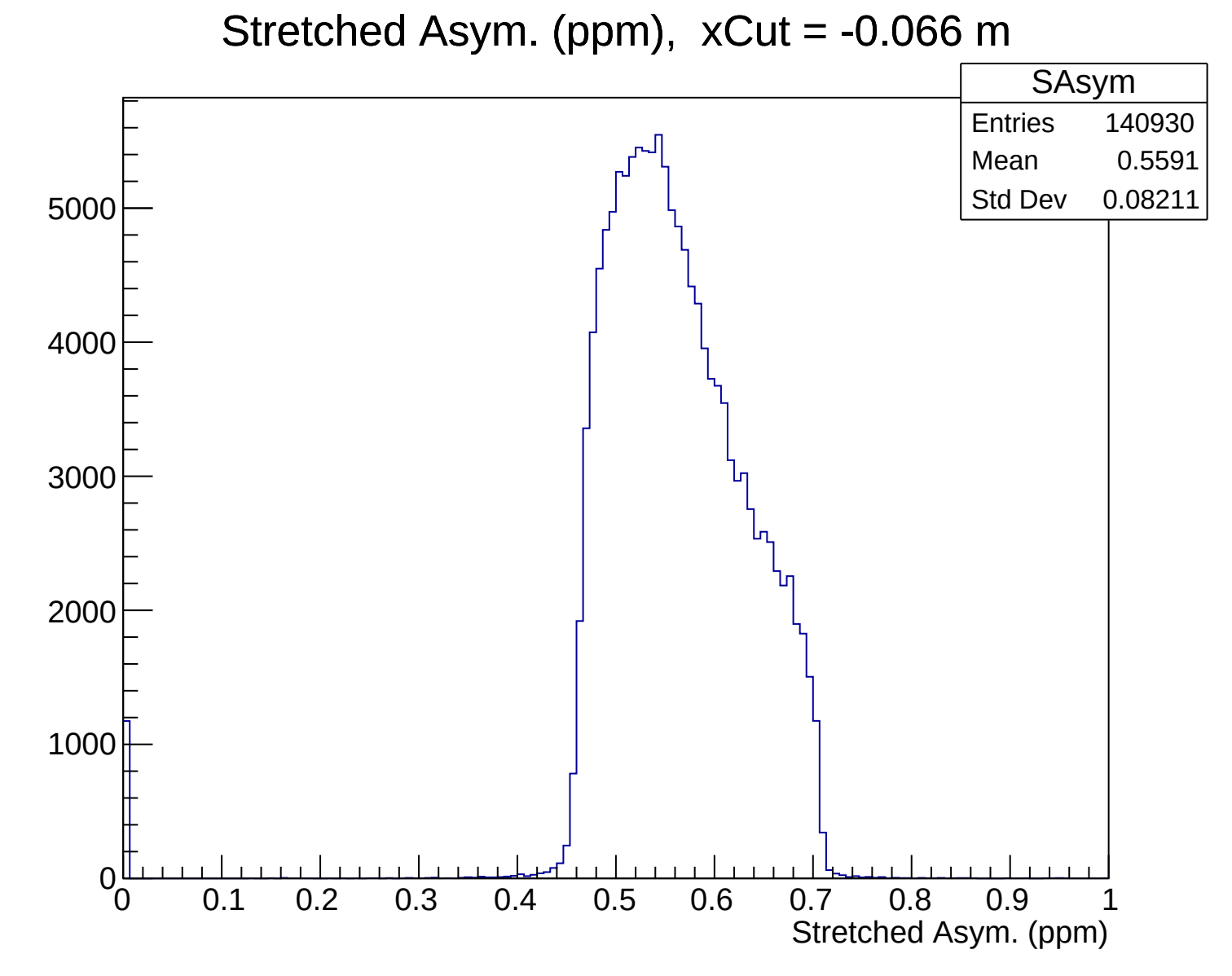

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

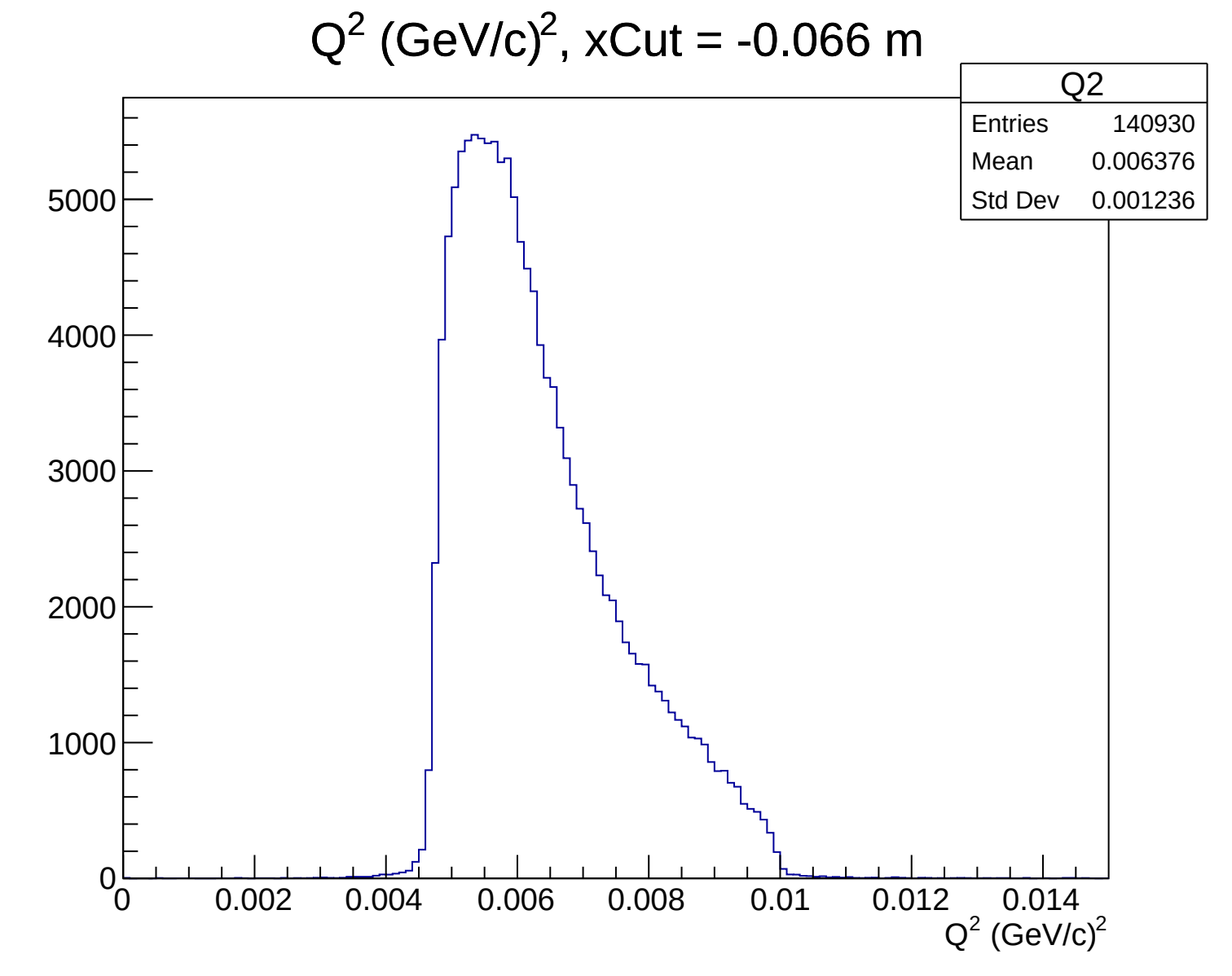

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.066
R.tr.x[0]+1.3*R.tr.th[0] (m)

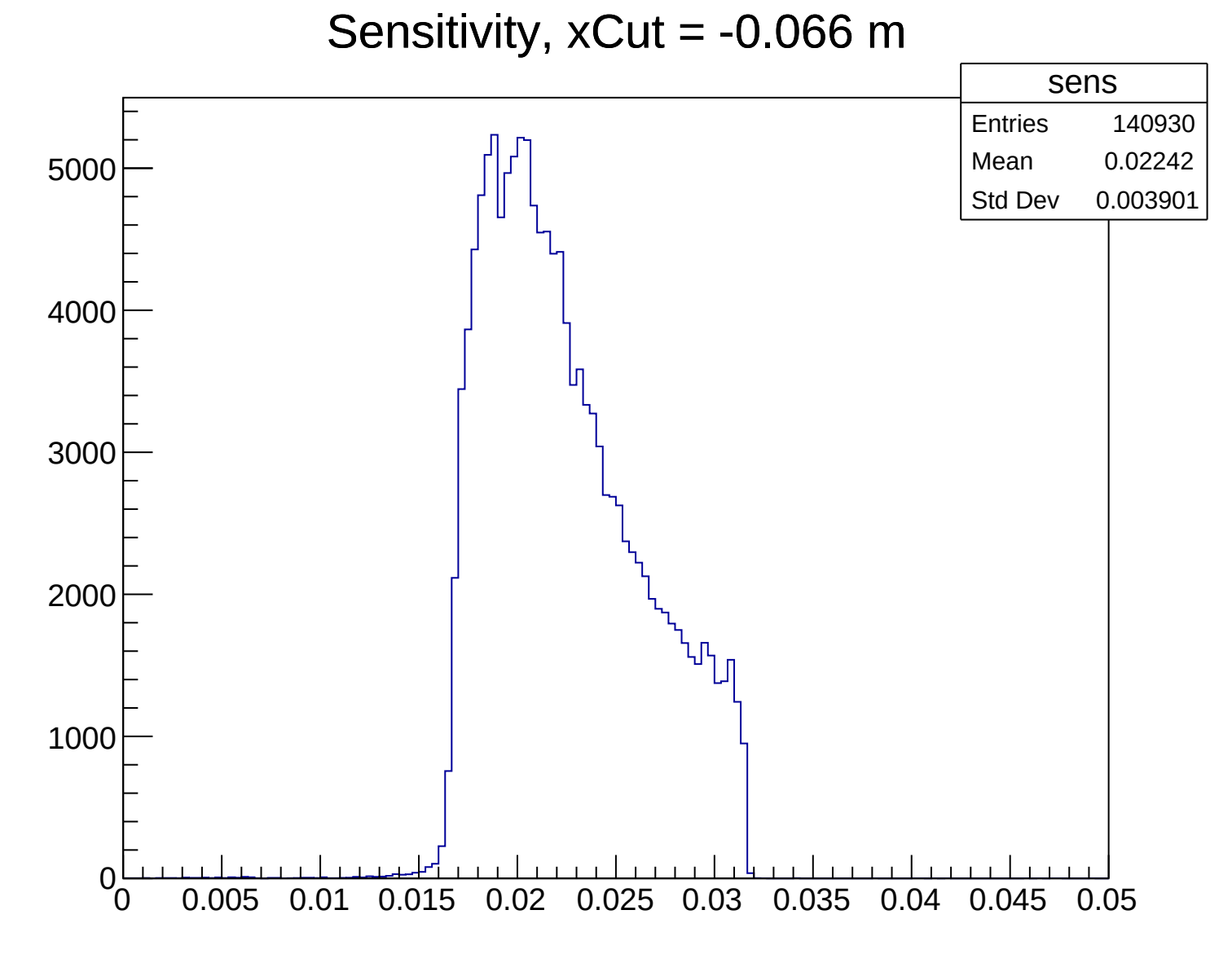

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

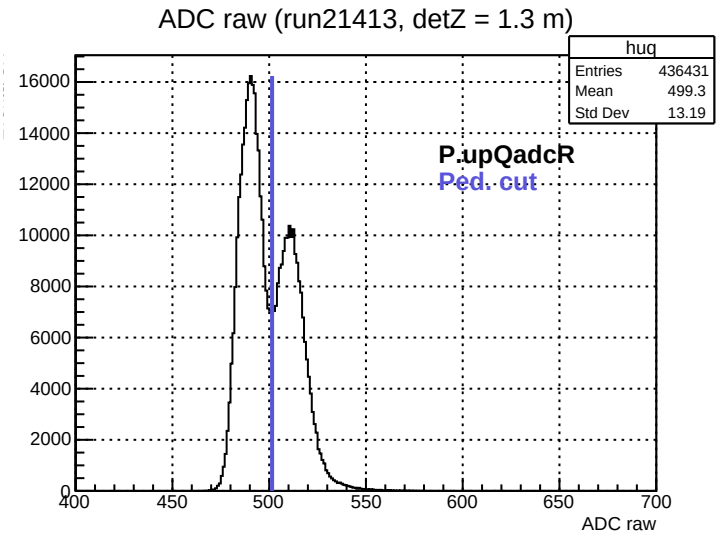

θlab (deg), xCut = -0.066 m
Theta
Entries 140930
Mean 4.803
Std Dev 0.4559
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

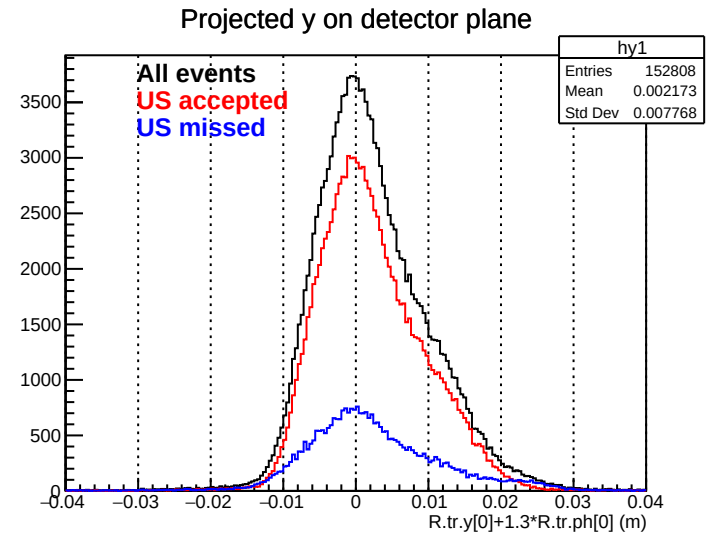

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 140930
Mean 0.5722
Std Dev 0.08585
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

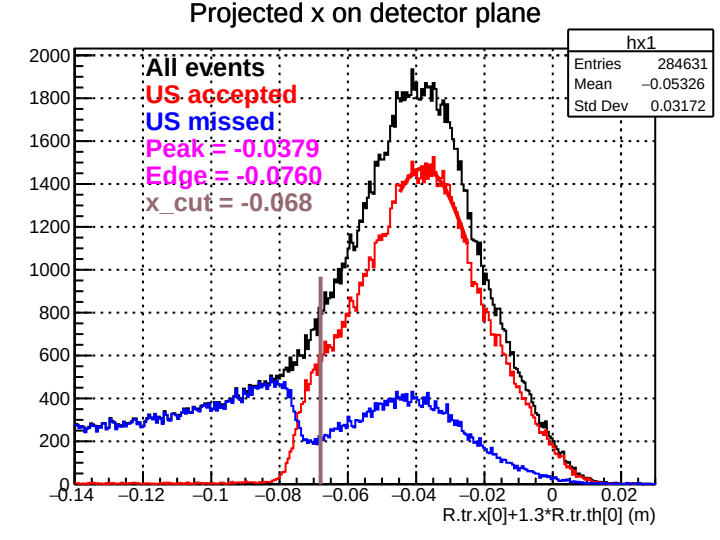

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 140930
Mean 0.5591
Std Dev 0.08211
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

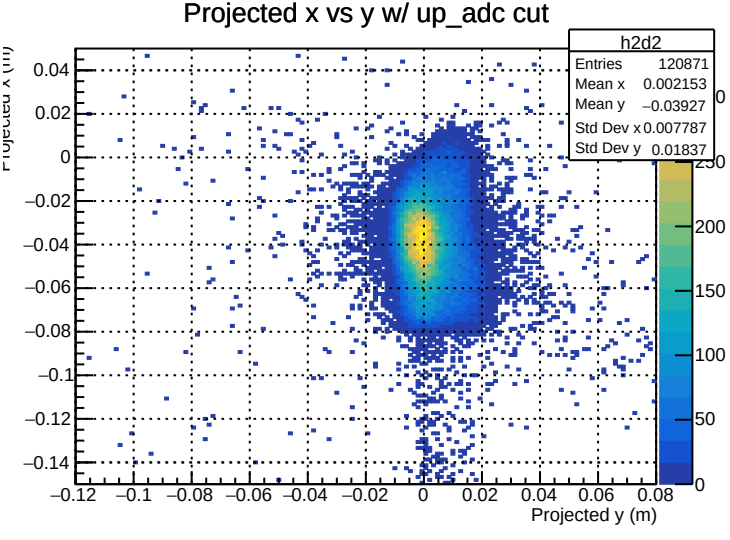

$Q^2$ (GeV/c)$^2$, xCut = -0.066 m
Q2
Entries 140930
Mean 0.006376
Std Dev 0.001236
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

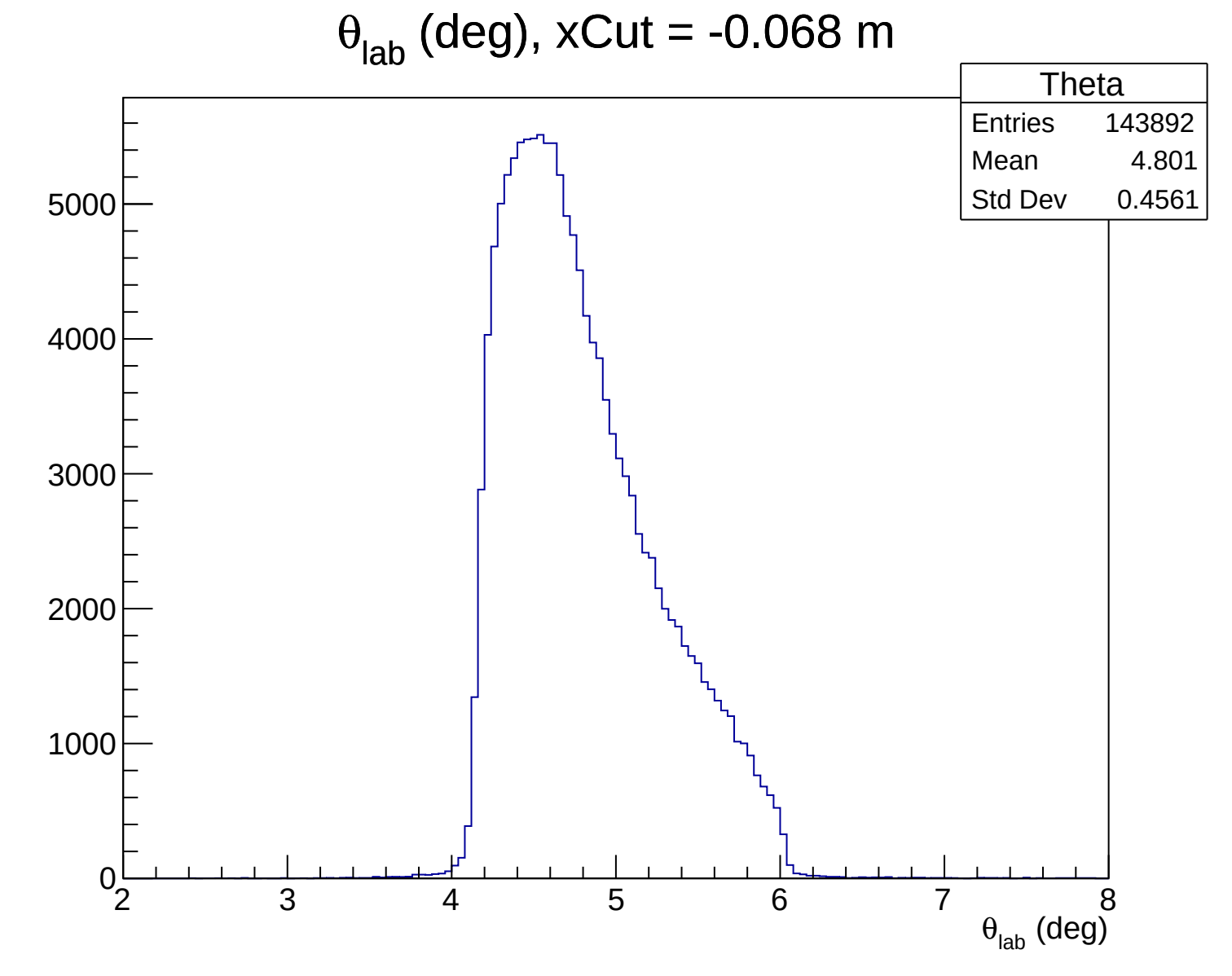

Sensitivity, xCut = -0.066 m
sens
Entries 140930
Mean 0.02242
Std Dev 0.003901
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

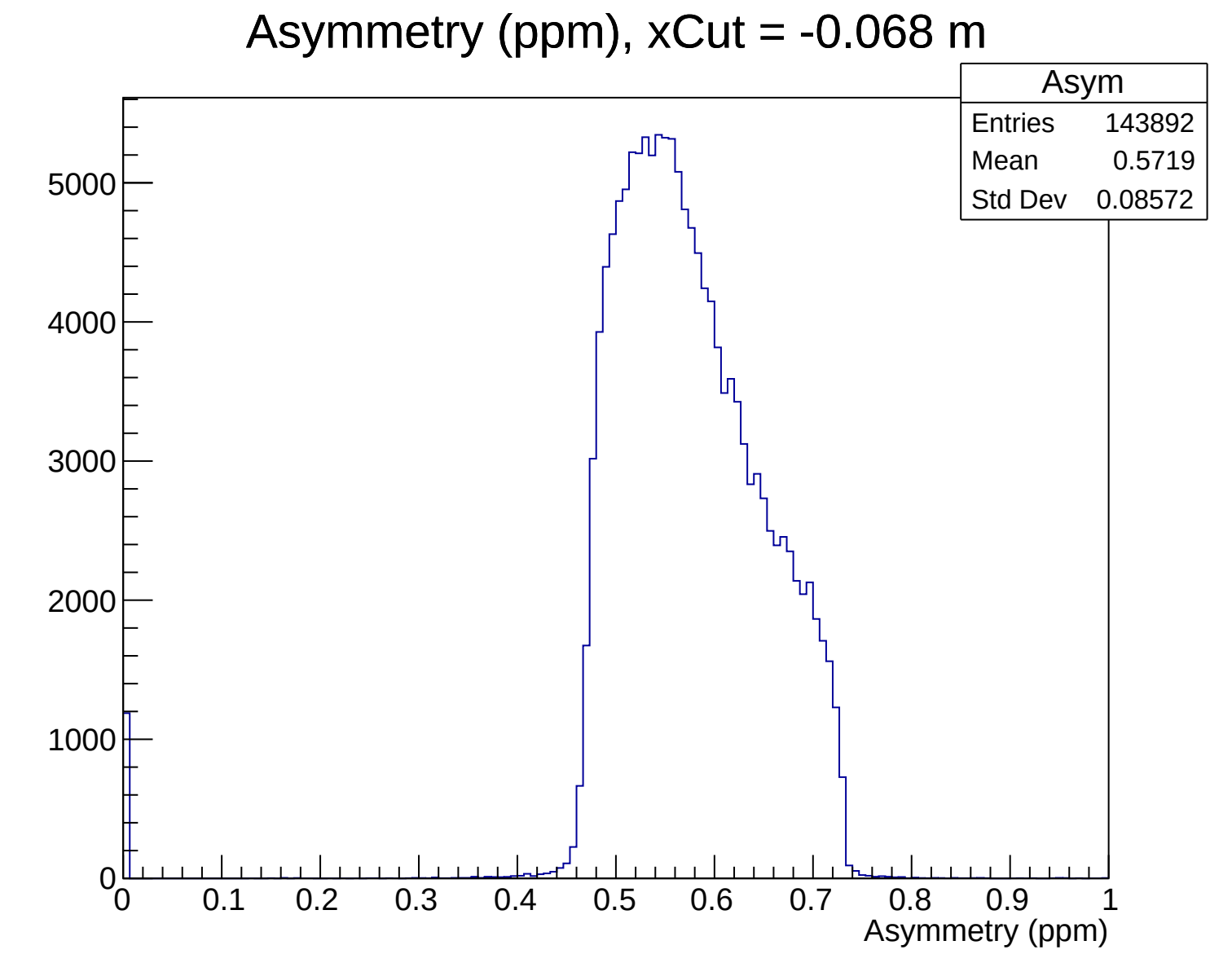

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

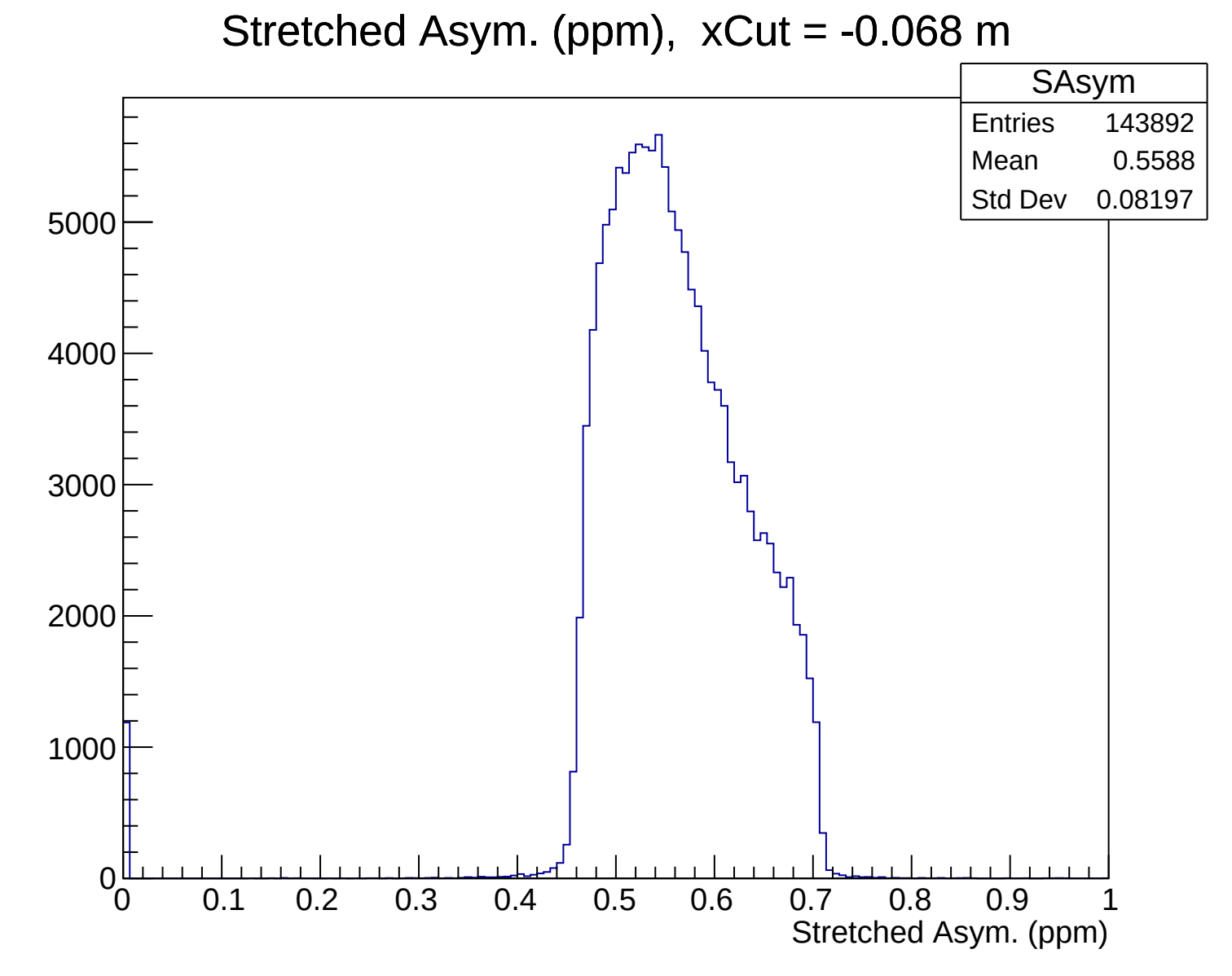

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

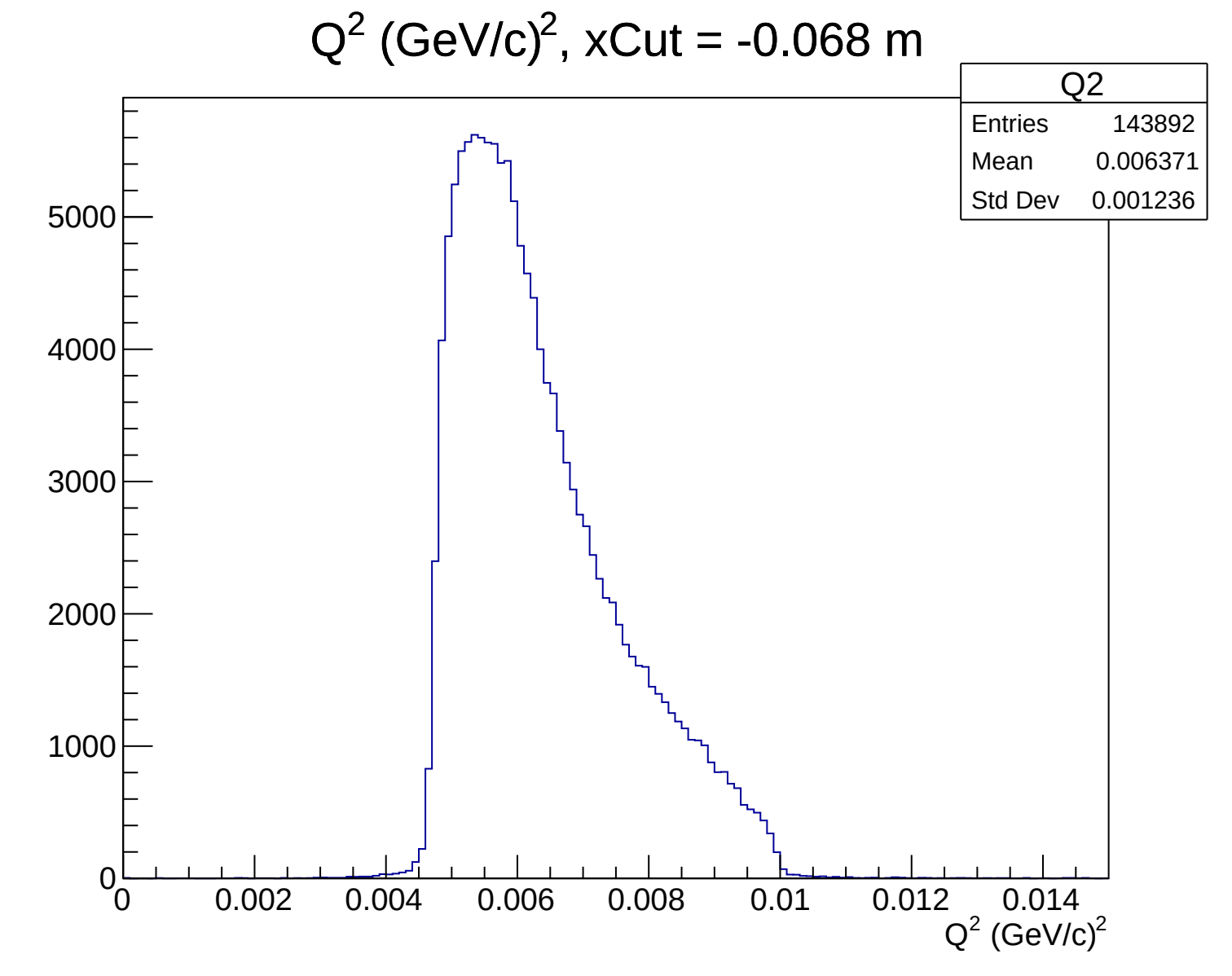

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.068
R.tr.x[0]+1.3*R.tr.th[0] (m)

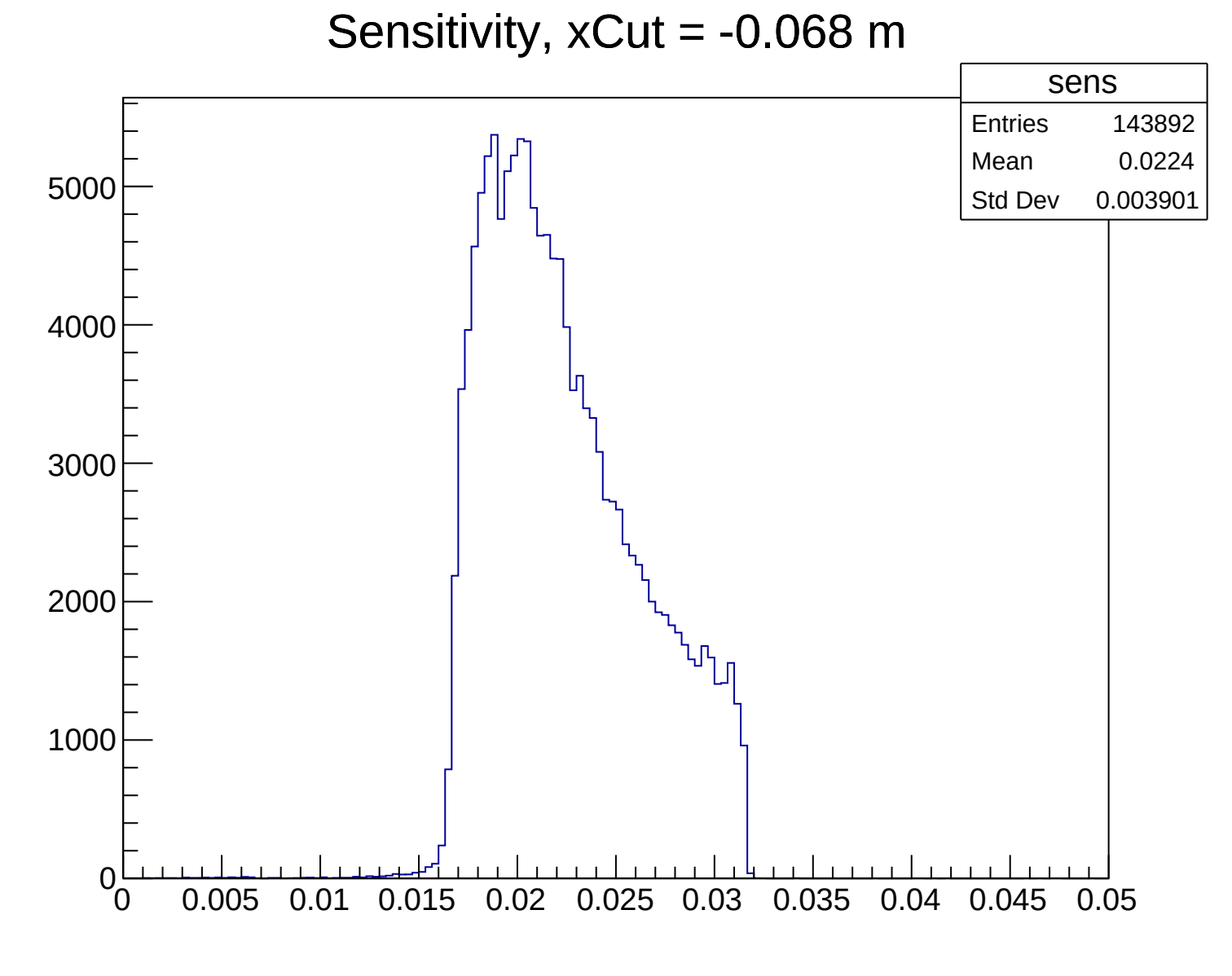

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

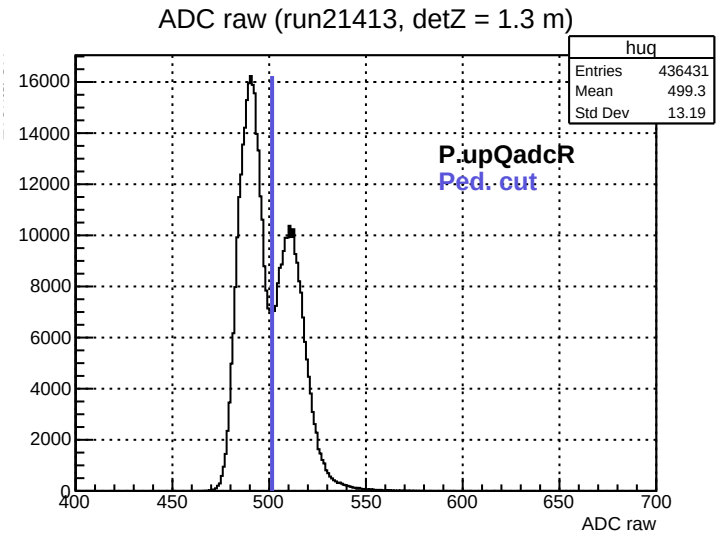

θlab (deg), xCut = -0.068 m
Theta
Entries 143892
Mean 4.801
Std Dev 0.4561
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

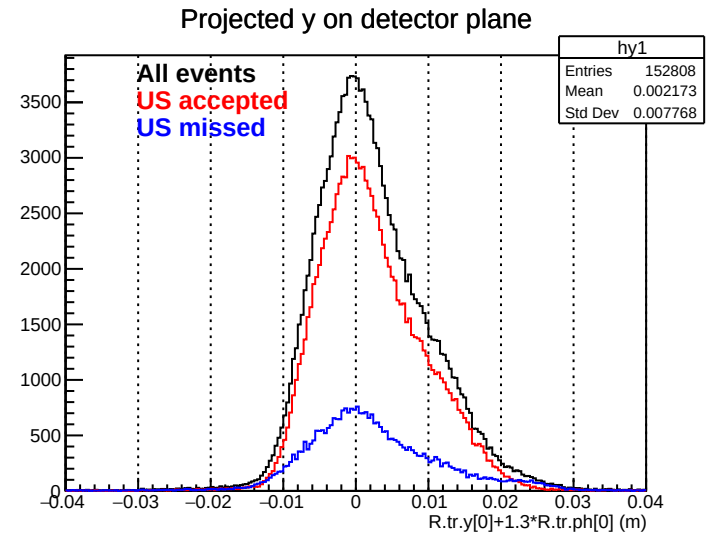

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 143892
Mean 0.5719
Std Dev 0.08572
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

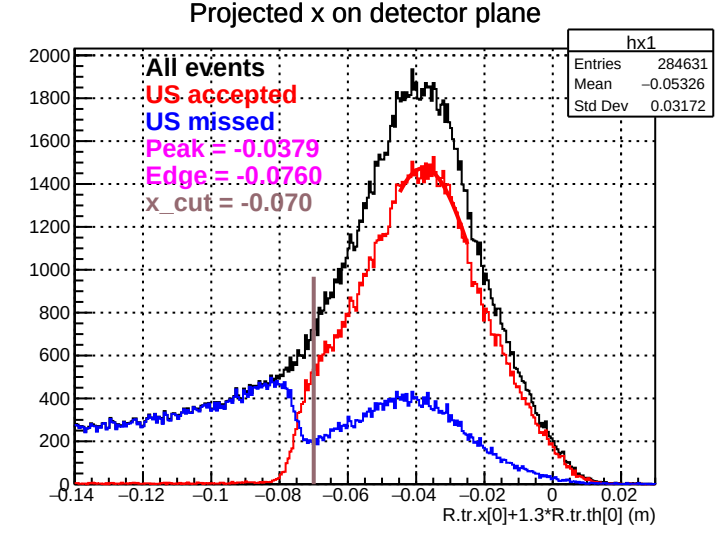

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 143892
Mean 0.5588
Std Dev 0.08197
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

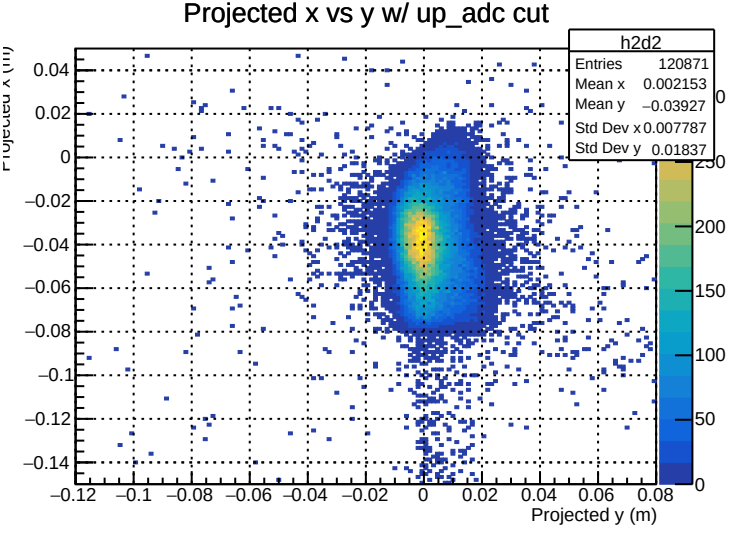

$Q^2$ (GeV/c)$^2$, xCut = -0.068 m
Q2
Entries 143892
Mean 0.006371
Std Dev 0.001236
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

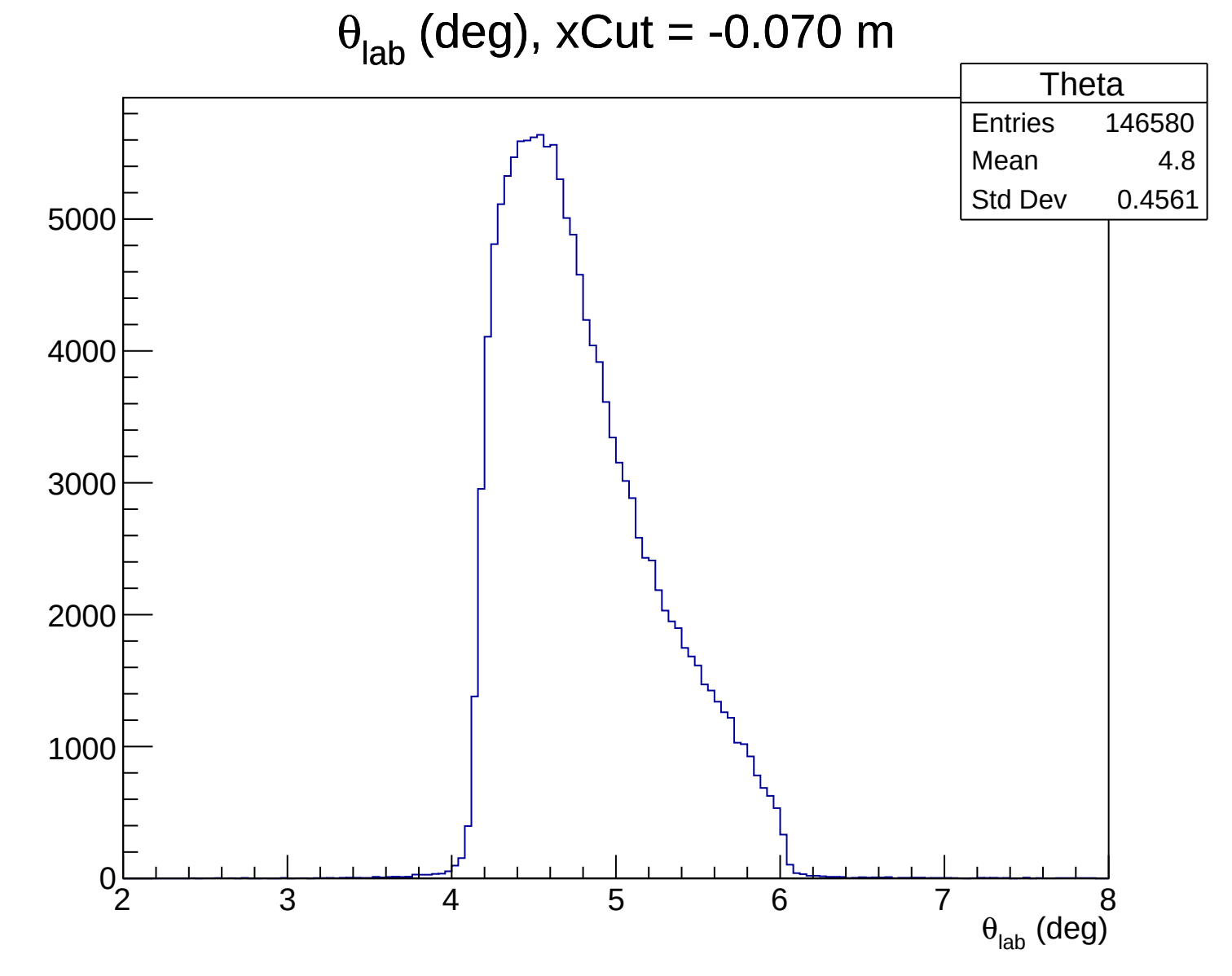

Sensitivity, xCut = -0.068 m
sens
Entries 143892
Mean 0.0224
Std Dev 0.003901
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

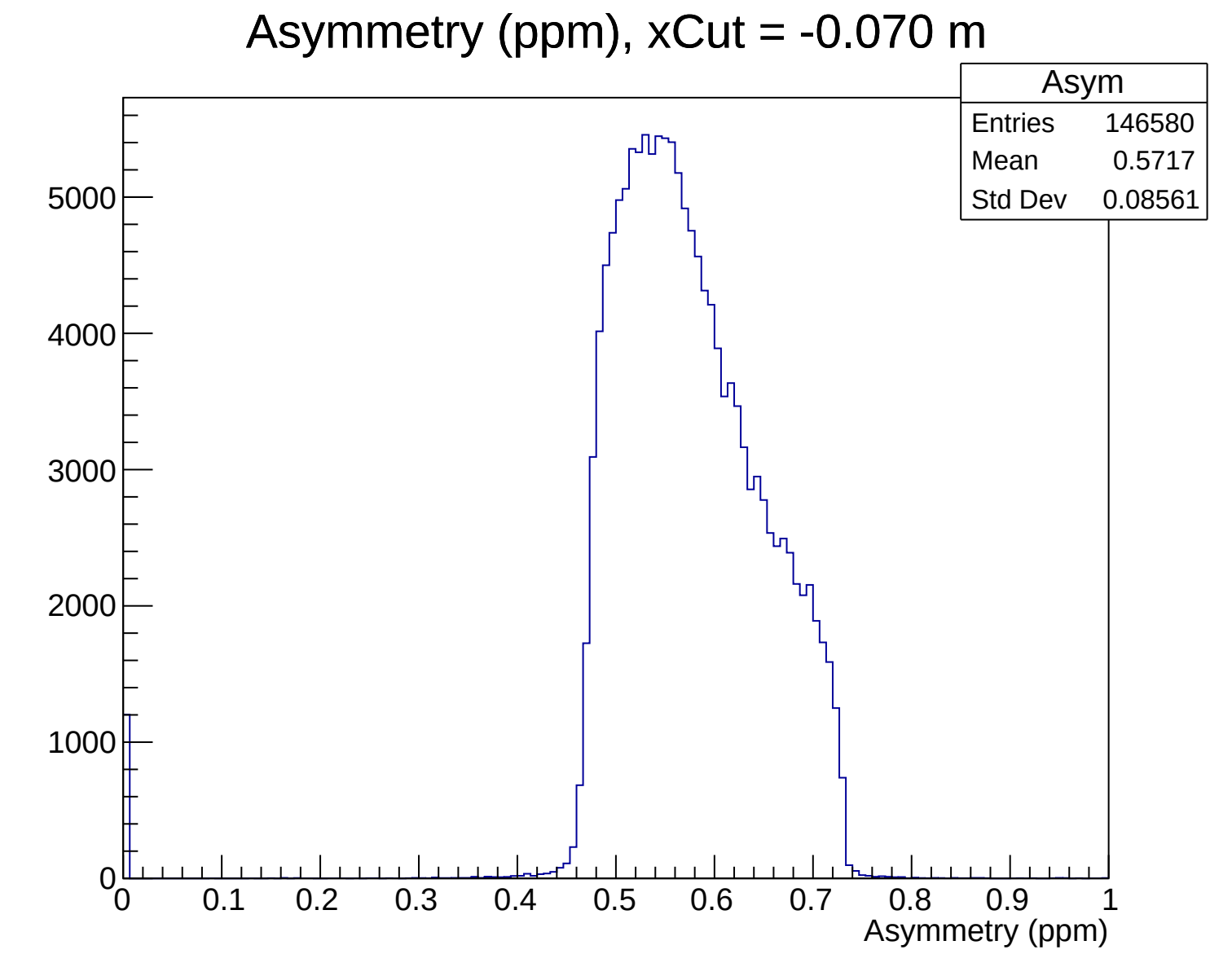

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

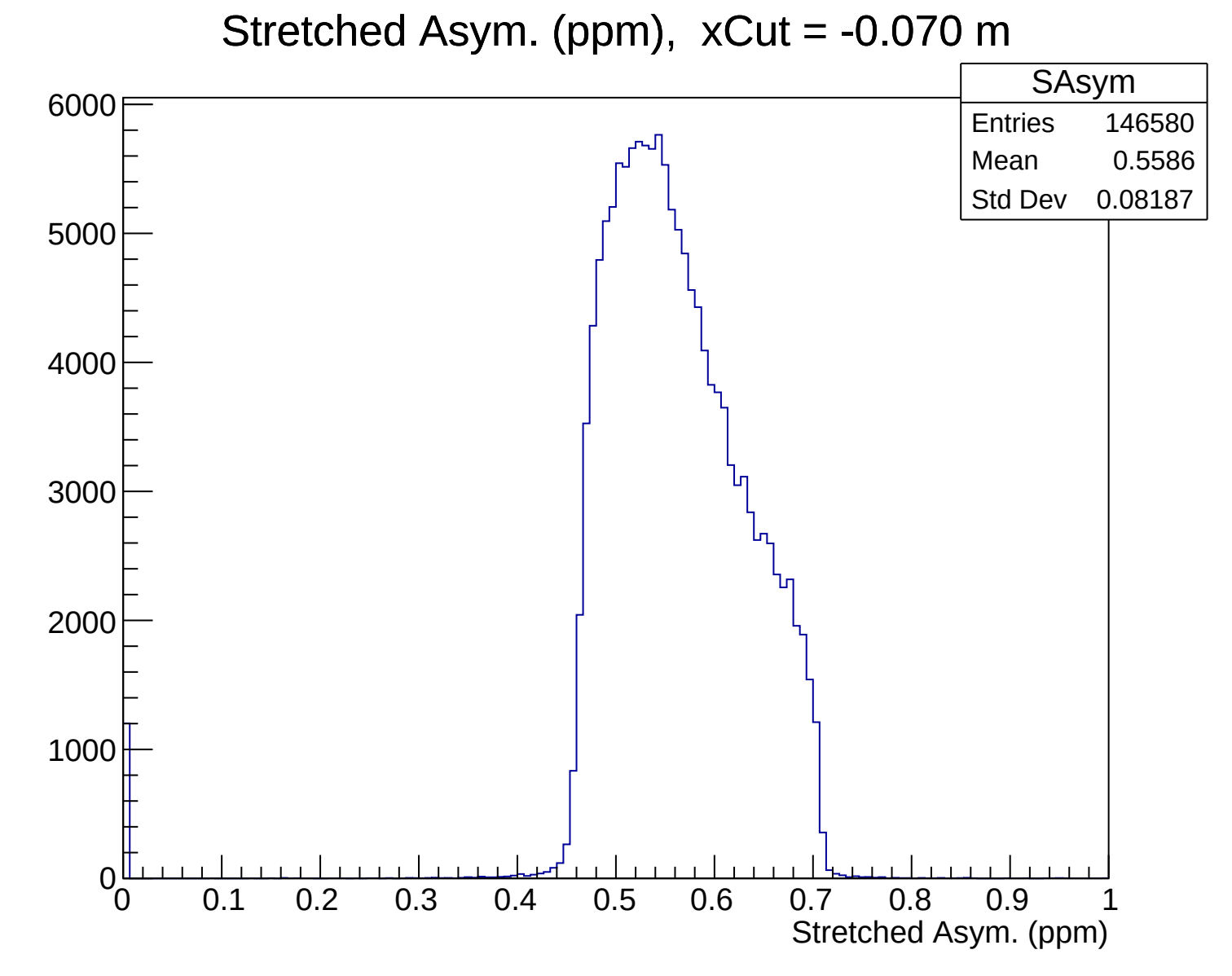

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

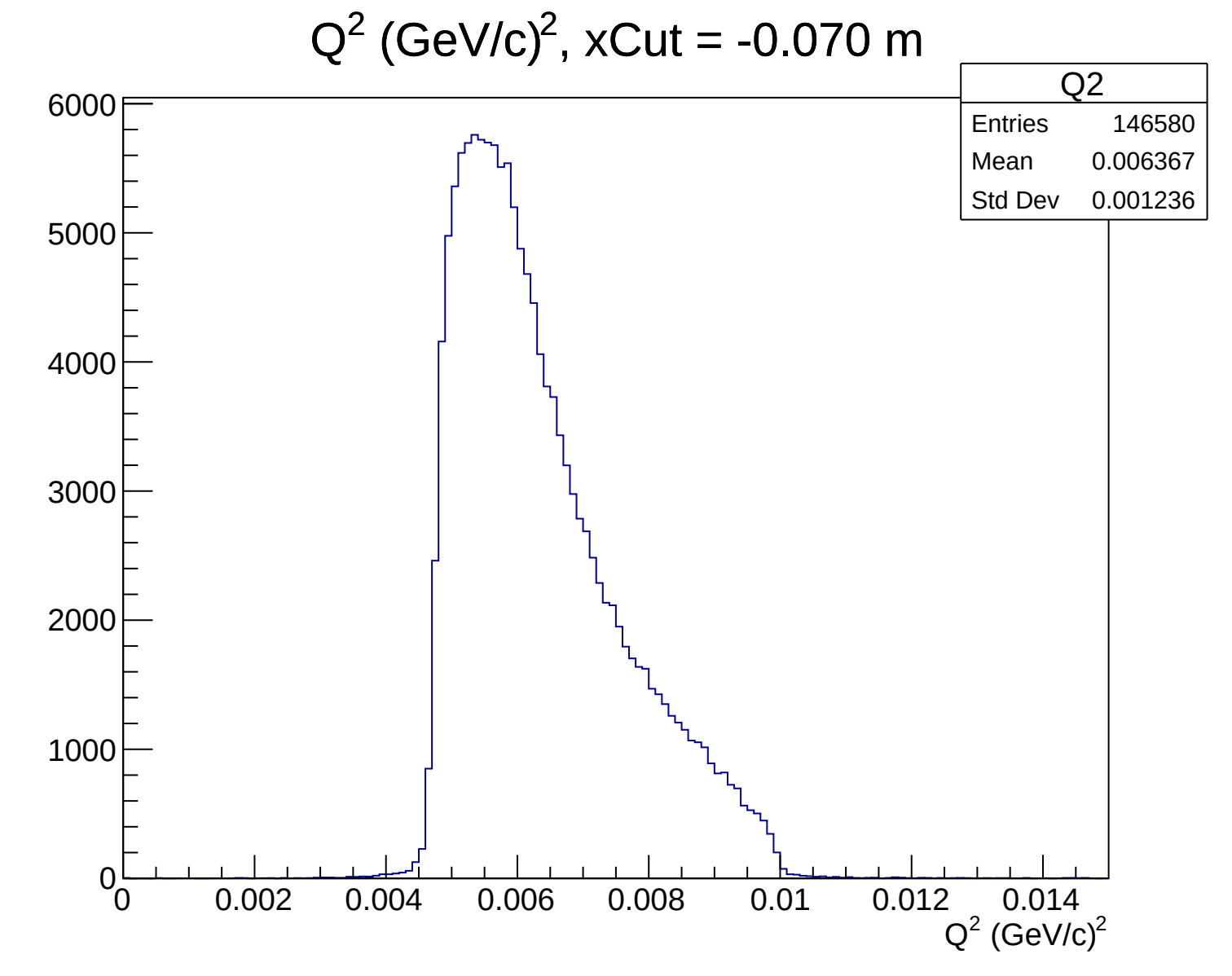

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.070
R.tr.x[0]+1.3*R.tr.th[0] (m)

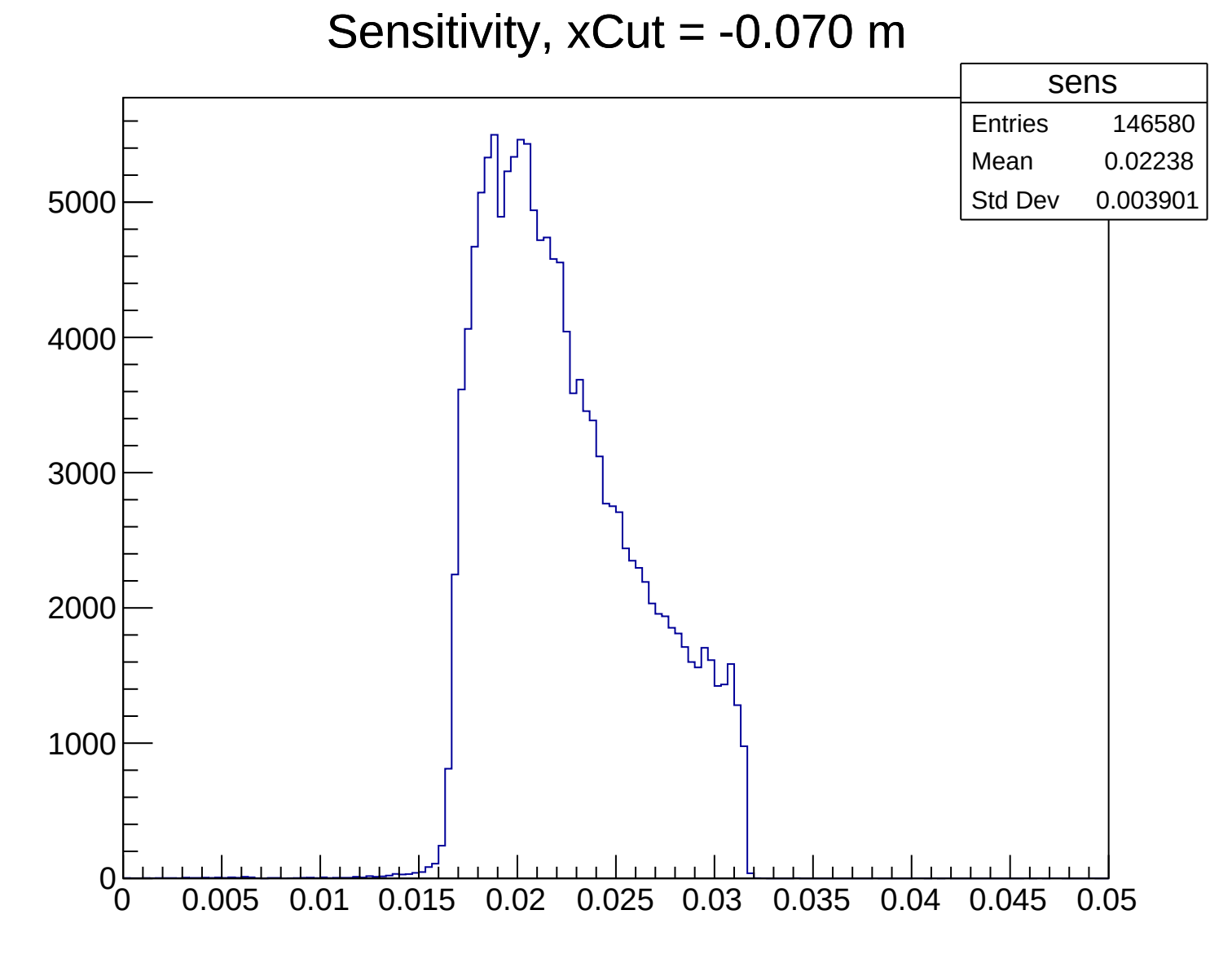

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

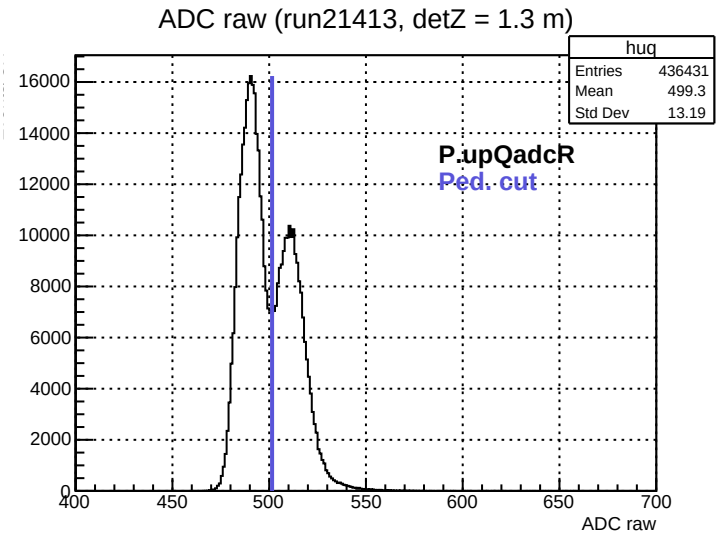

θlab (deg), xCut = -0.070 m
Theta
Entries 146580
Mean 4.8
Std Dev 0.4561
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

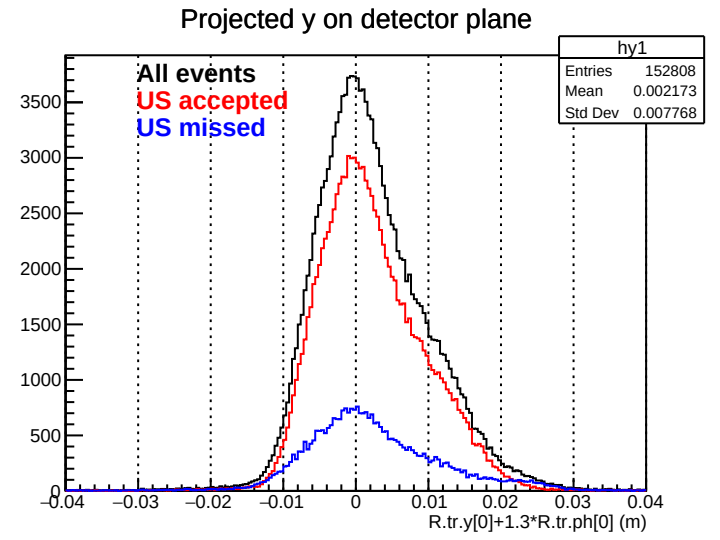

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 146580
Mean 0.5717
Std Dev 0.08561
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

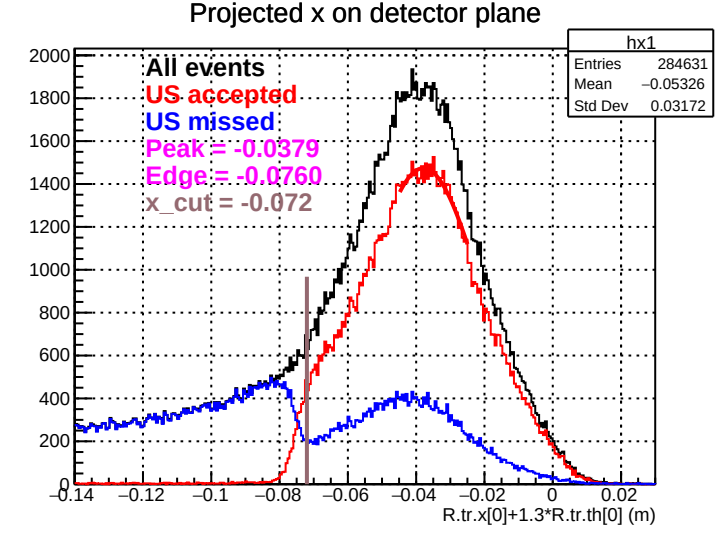

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 146580
Mean 0.5586
Std Dev 0.08187
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

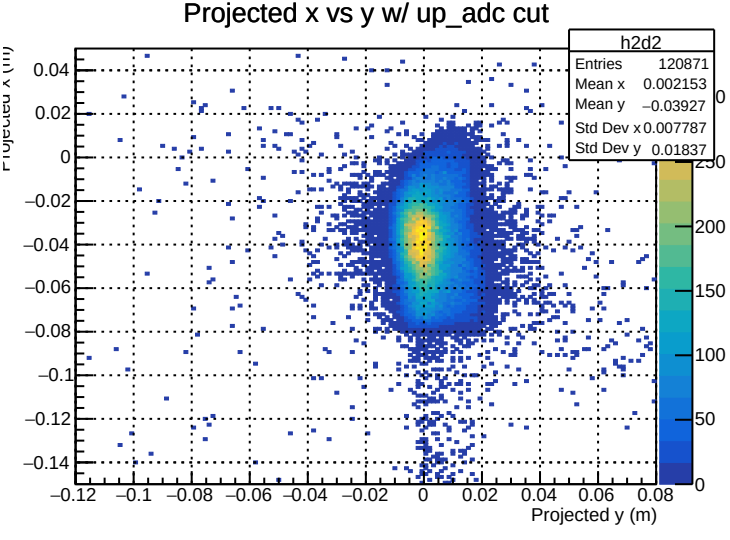

$Q^2$ (GeV/c)$^2$, xCut = -0.070 m
Q2
Entries 146580
Mean 0.006367
Std Dev 0.001236
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

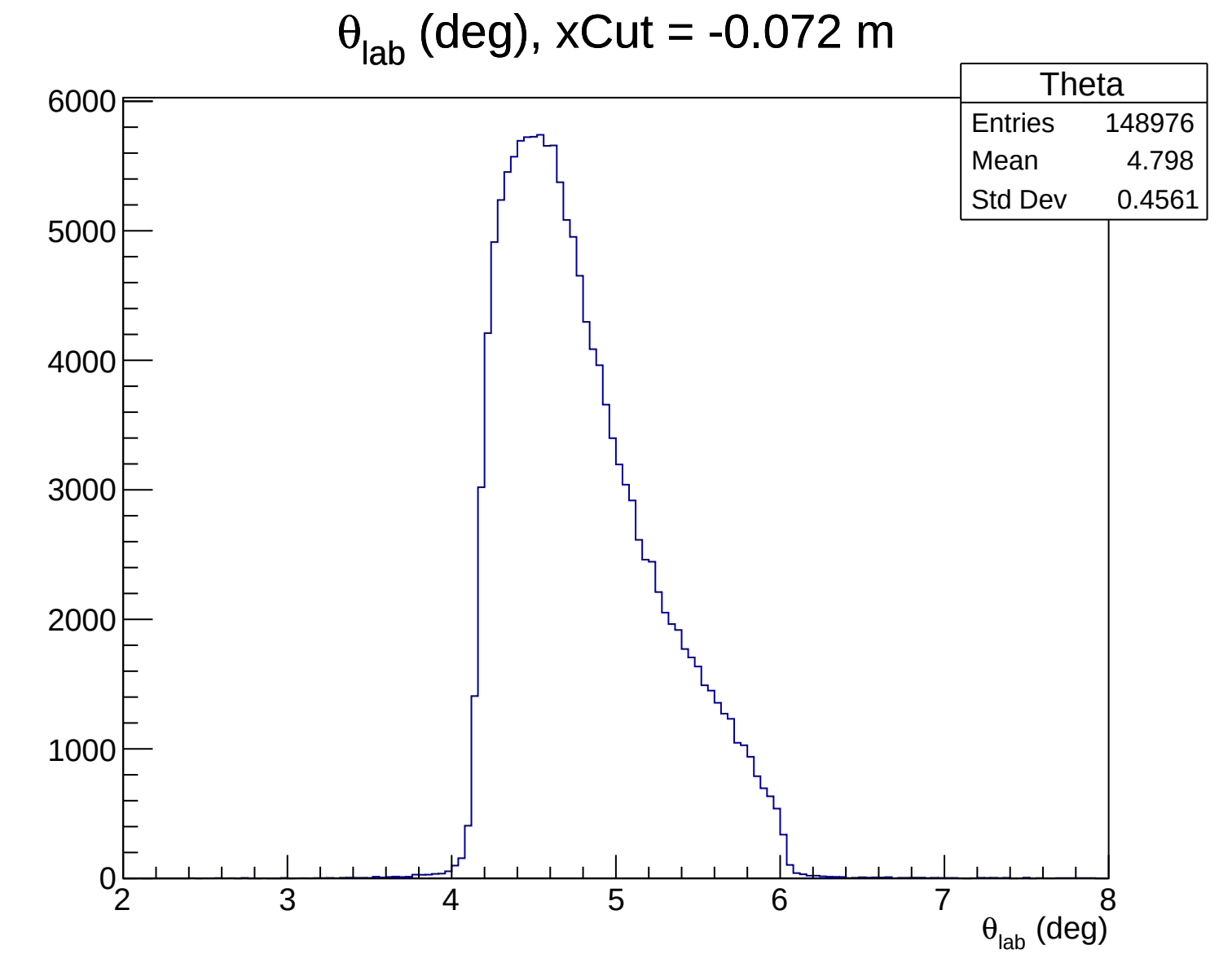

Sensitivity, xCut = -0.070 m
sens
Entries 146580
Mean 0.02238
Std Dev 0.003901
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

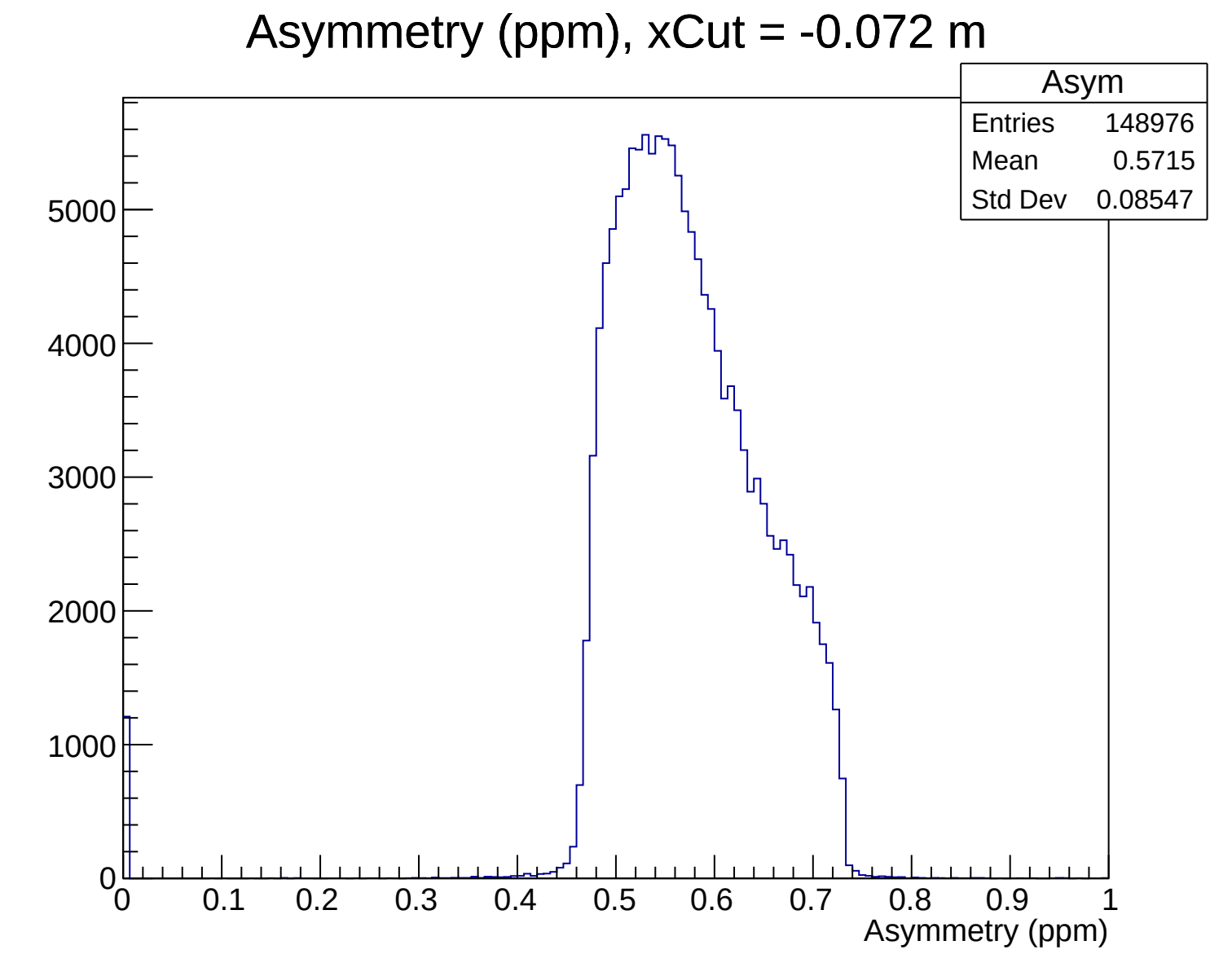

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

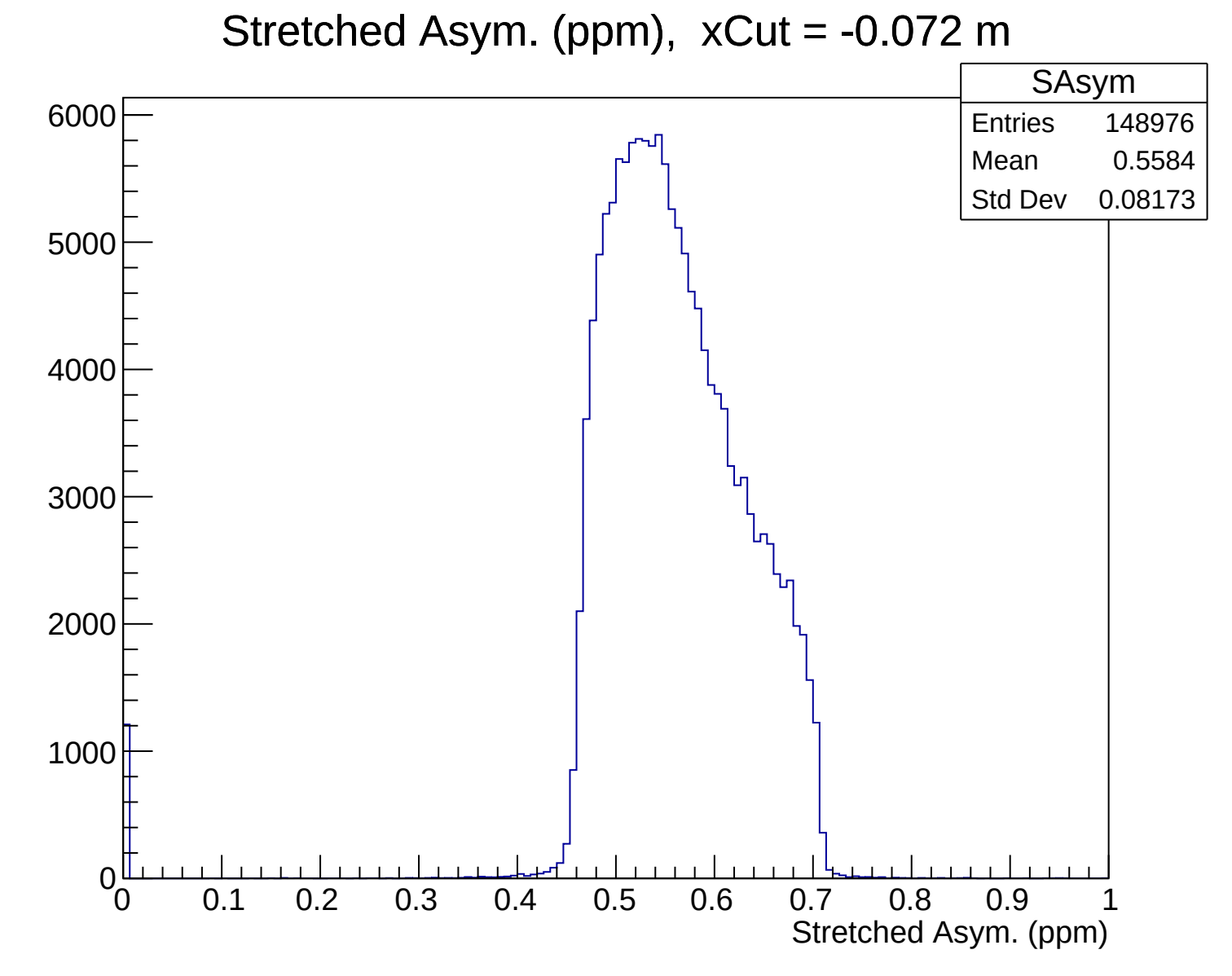

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

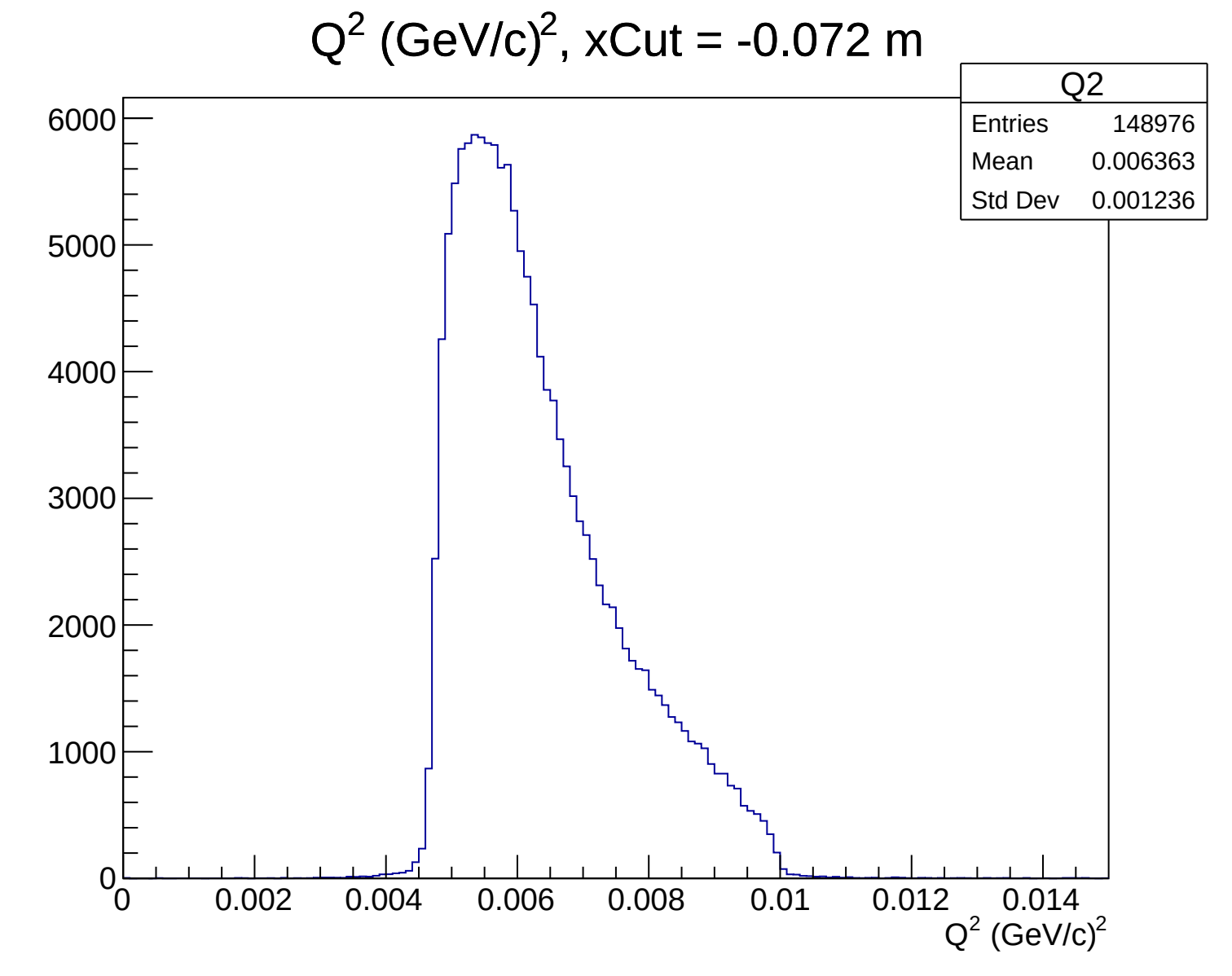

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.072
R.tr.x[0]+1.3*R.tr.th[0] (m)

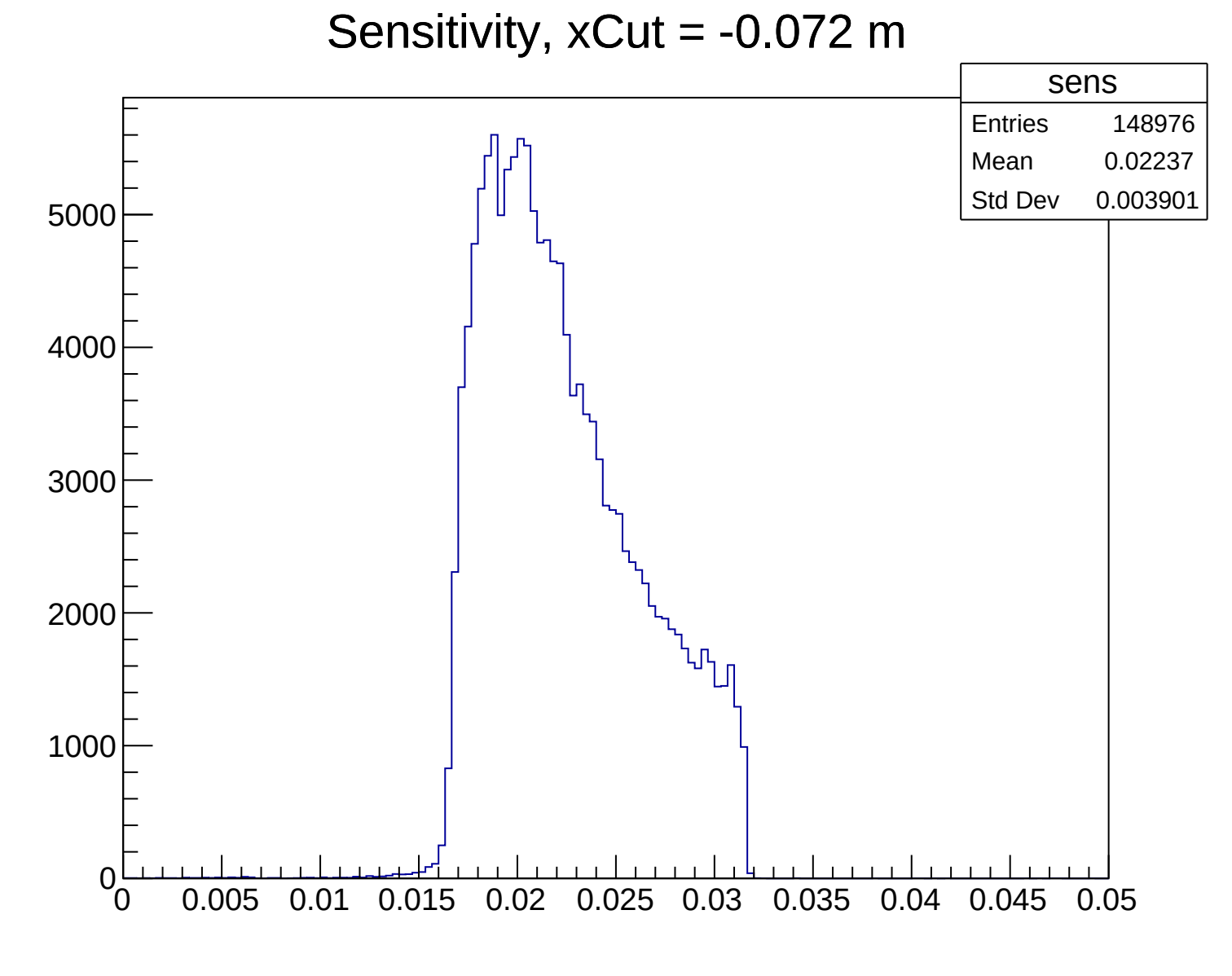

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

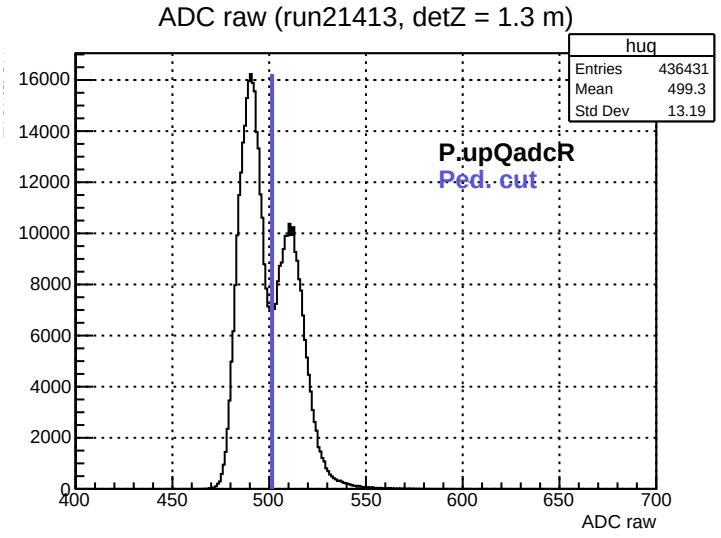

θlab (deg), xCut = -0.072 m
Theta
Entries 148976
Mean 4.798
Std Dev 0.4561
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

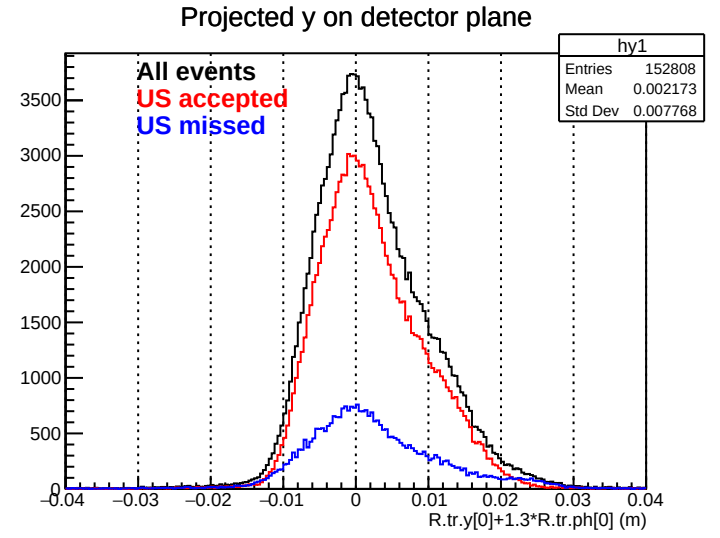

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 148976
Mean 0.5715
Std Dev 0.08547
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

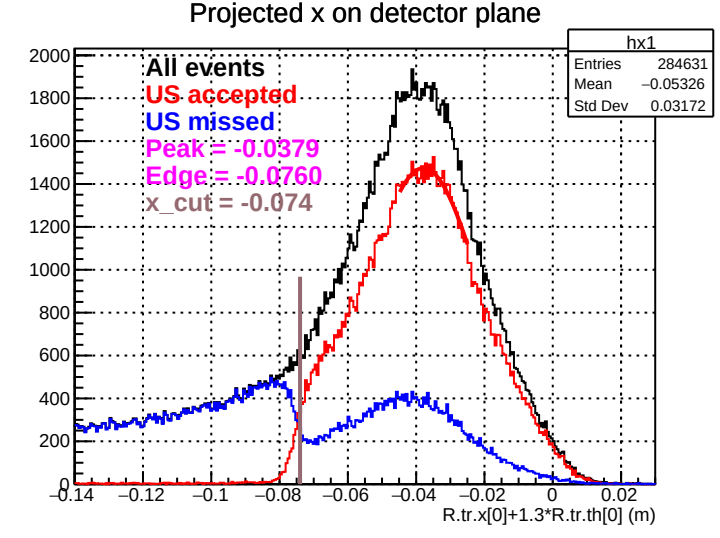

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 148976
Mean 0.5584
Std Dev 0.08173
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

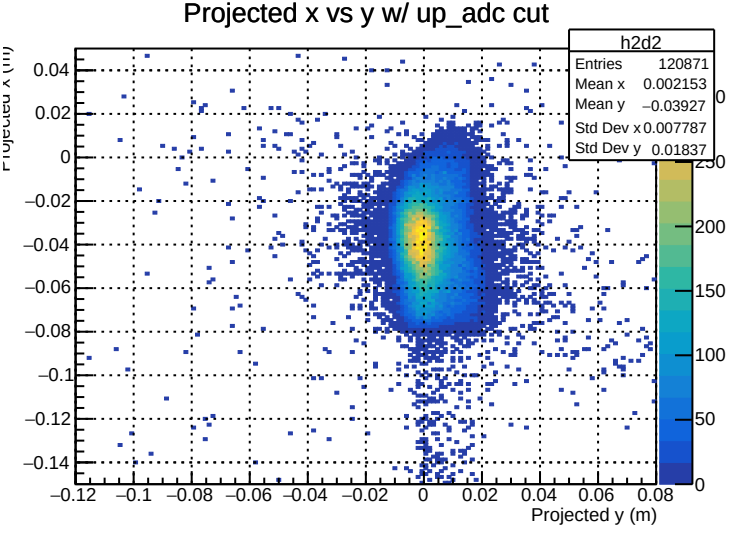

$Q^2$ (GeV/c)$^2$, xCut = -0.072 m
Q2
Entries 148976
Mean 0.006363
Std Dev 0.001236
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

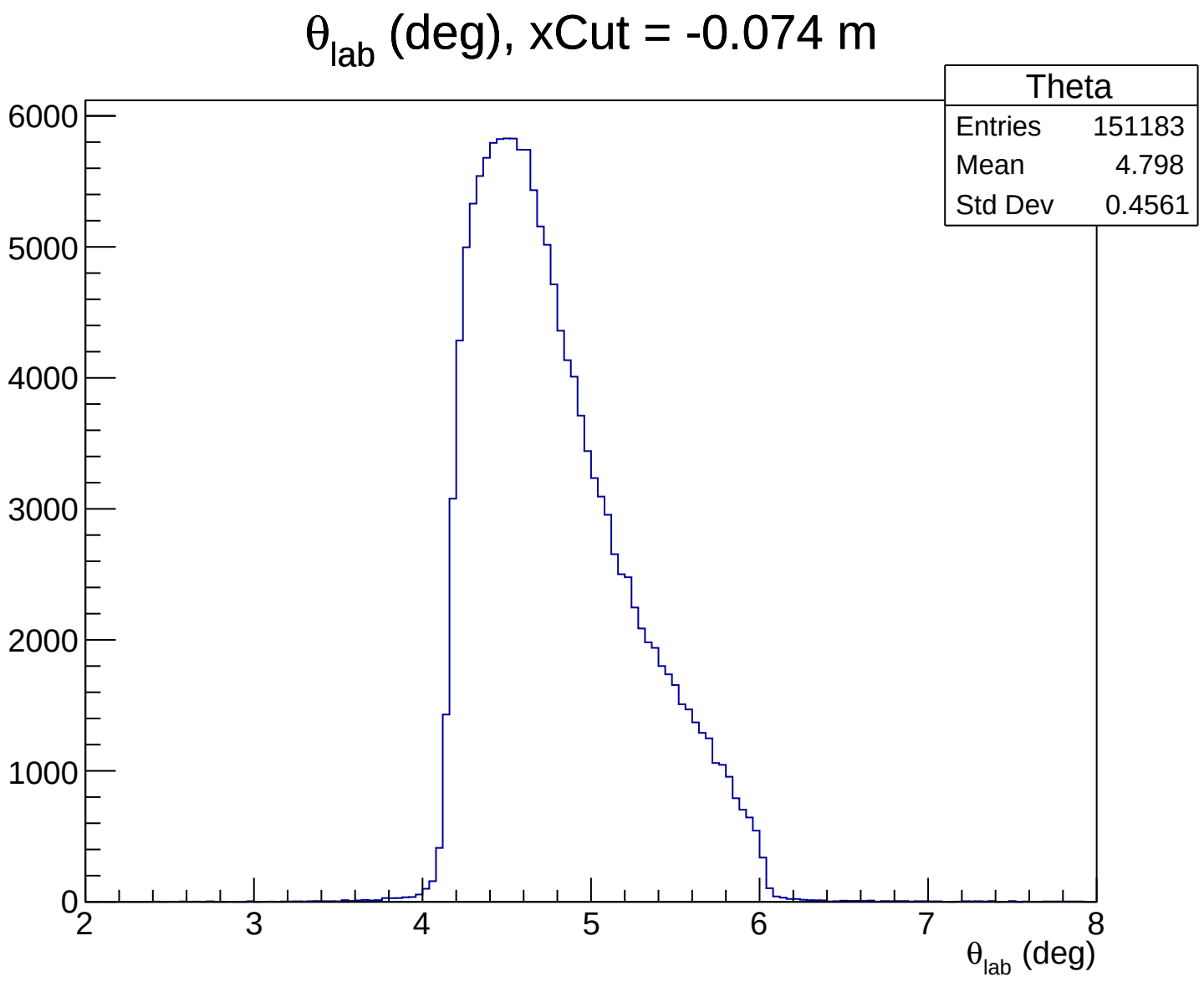

Sensitivity, xCut = -0.072 m
sens
Entries 148976
Mean 0.02237
Std Dev 0.003901
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

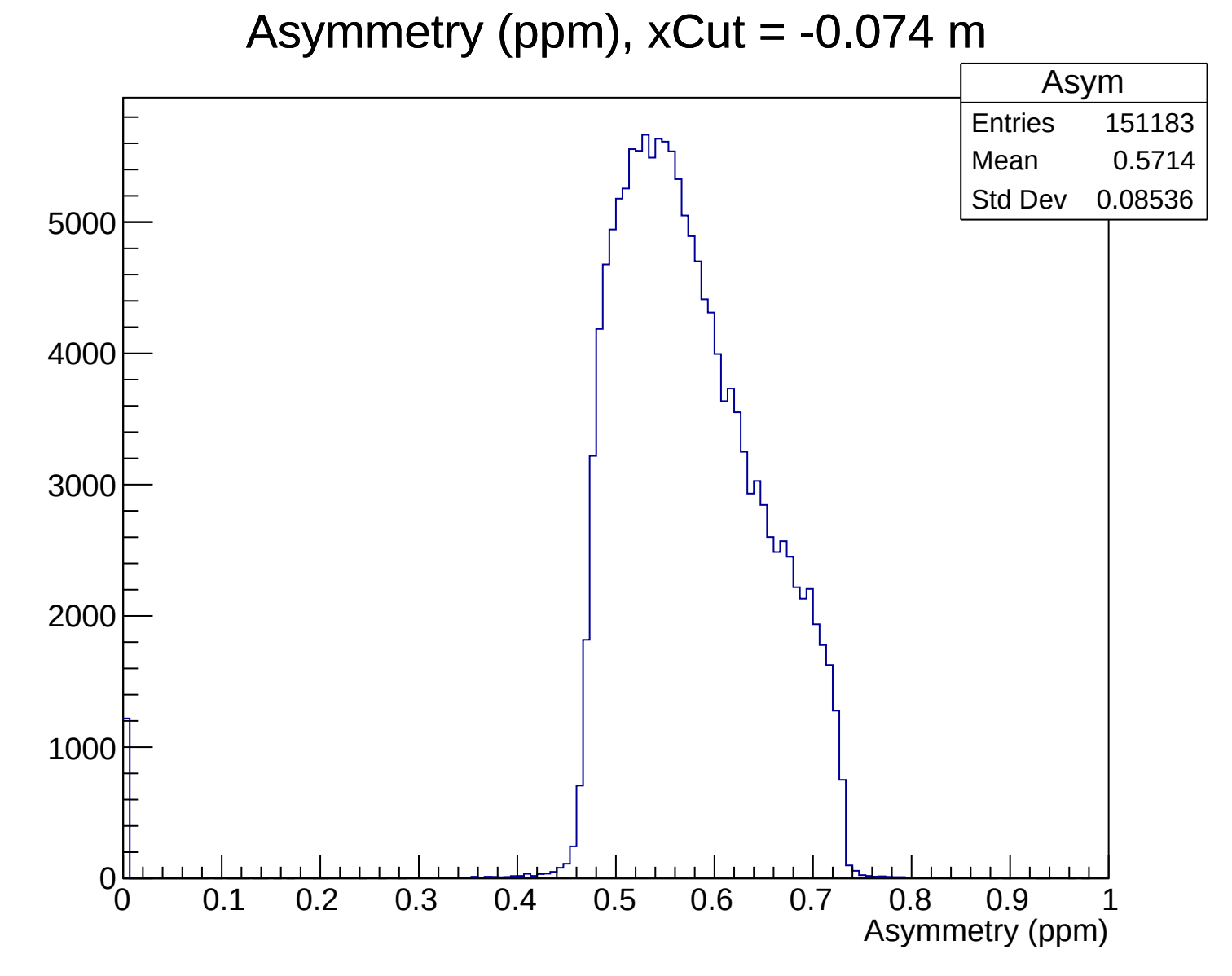

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

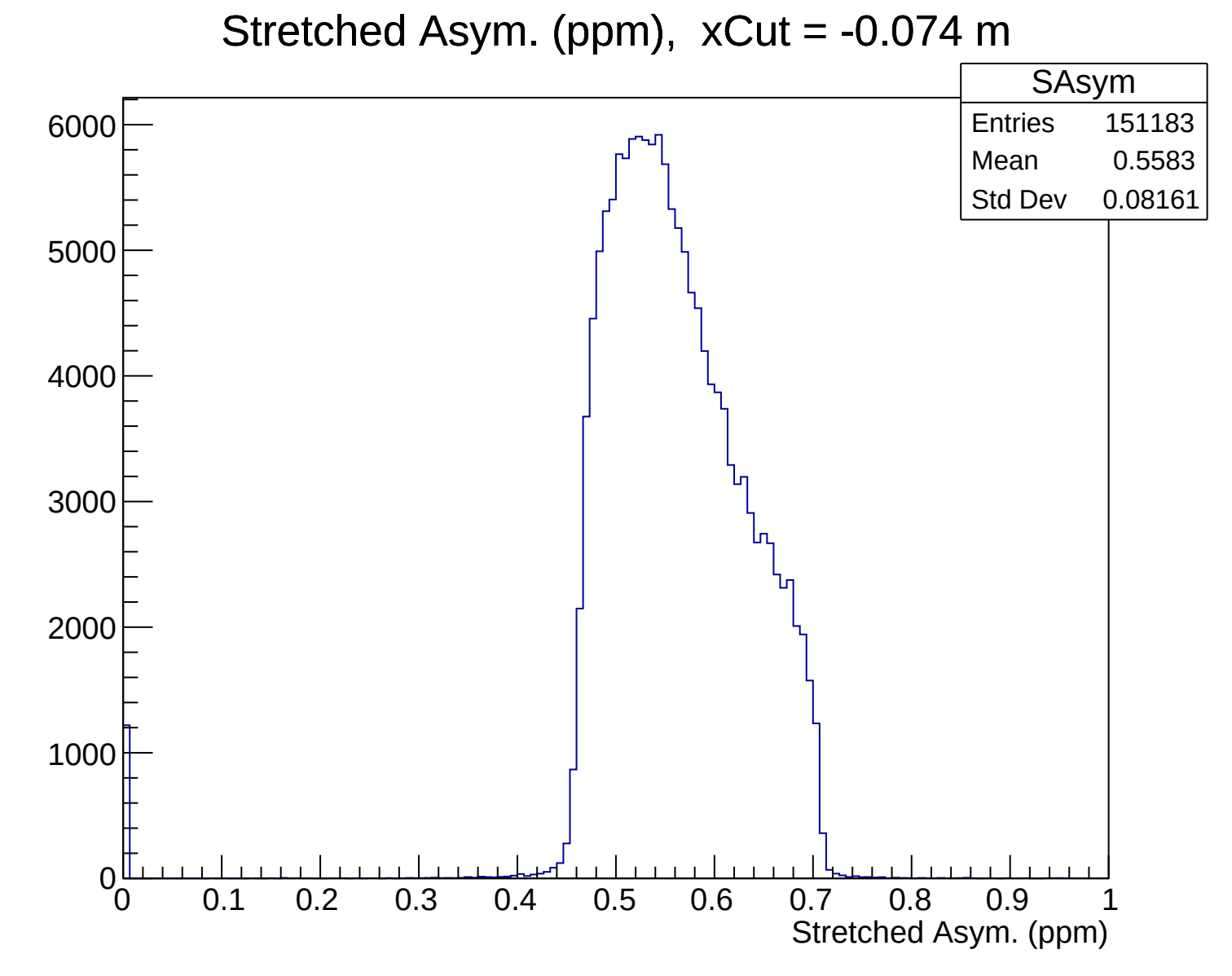

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

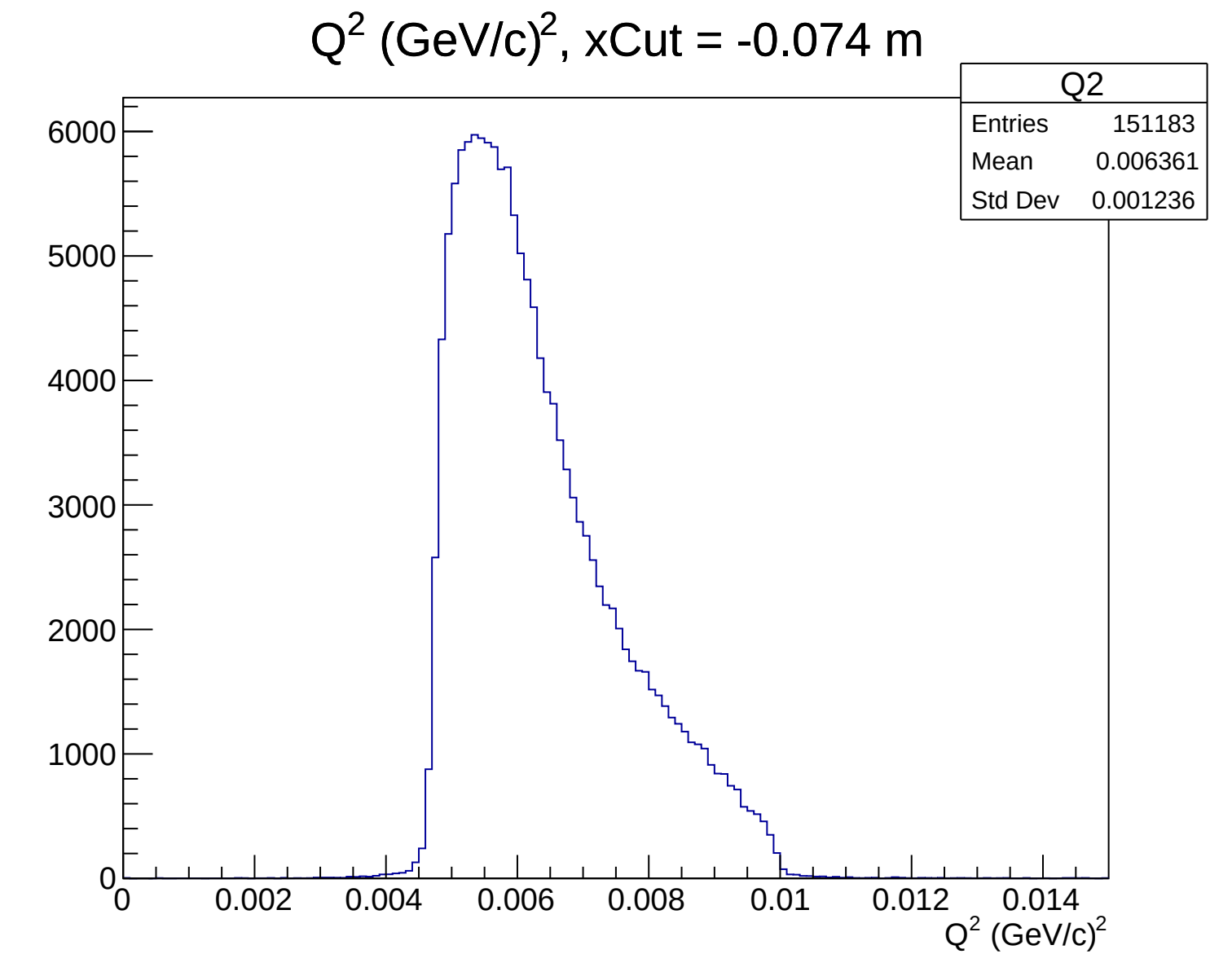

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.074
R.tr.x[0]+1.3*R.tr.th[0] (m)

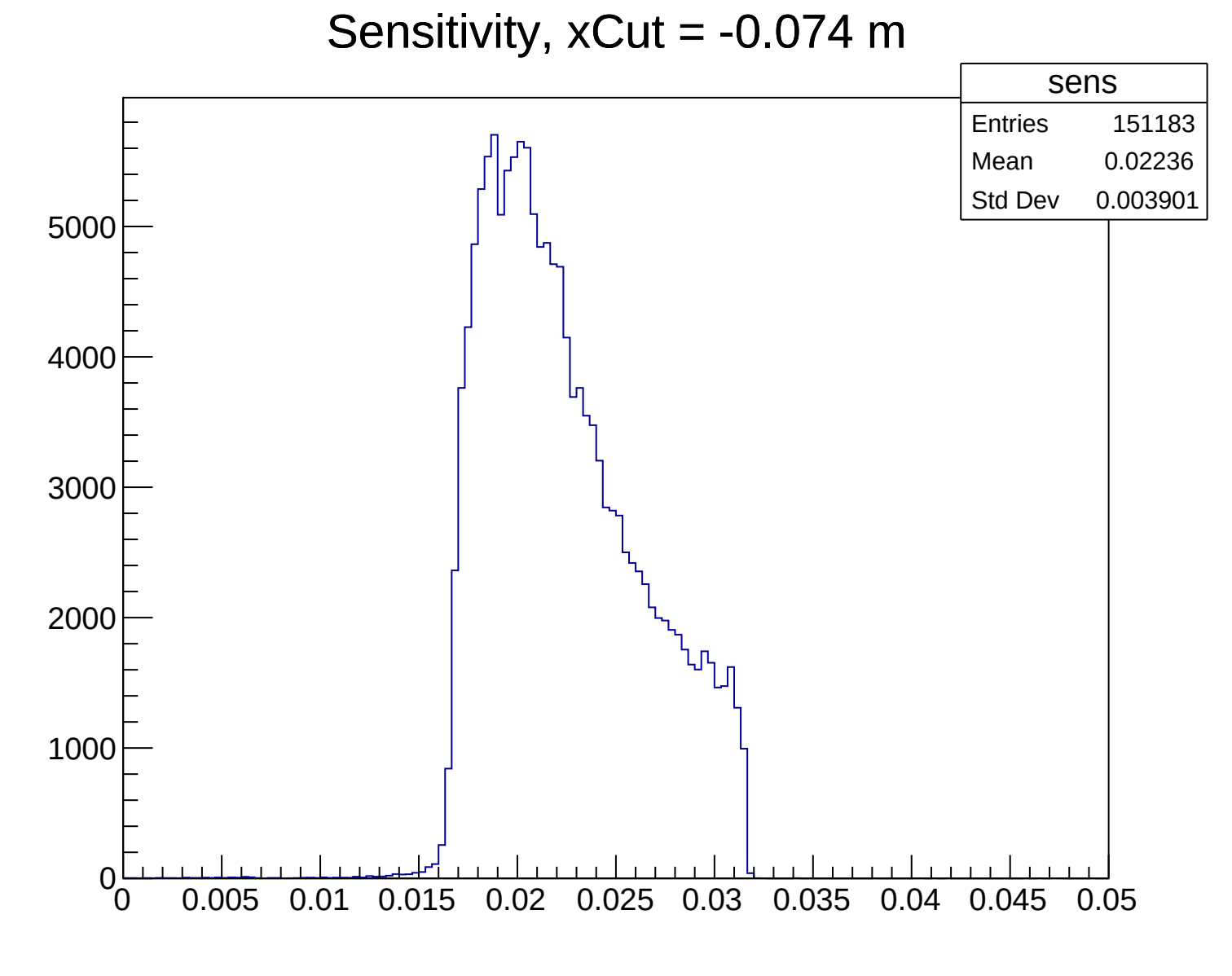

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

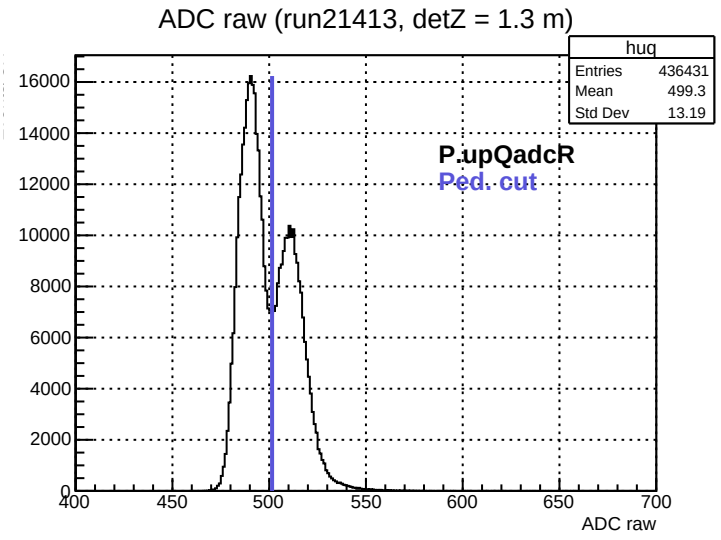

θlab (deg), xCut = -0.074 m
Theta
Entries 151183
Mean 4.798
Std Dev 0.4561
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

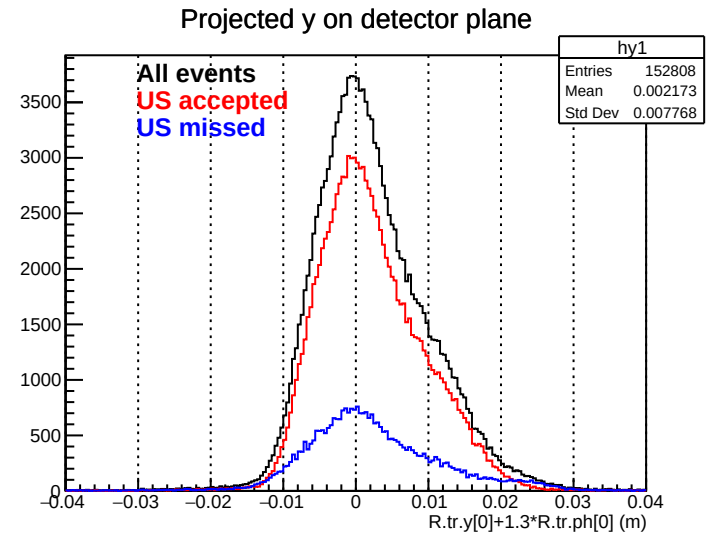

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 151183
Mean 0.5714
Std Dev 0.08536
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

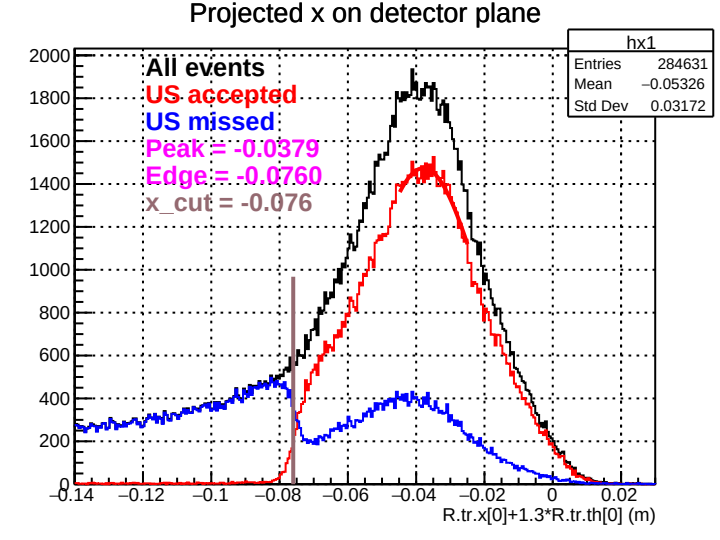

Stretched Asym. (ppm),  xCut = -0.074 m
SAsym
Entries 151183
Mean 0.5583
Std Dev 0.08161
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

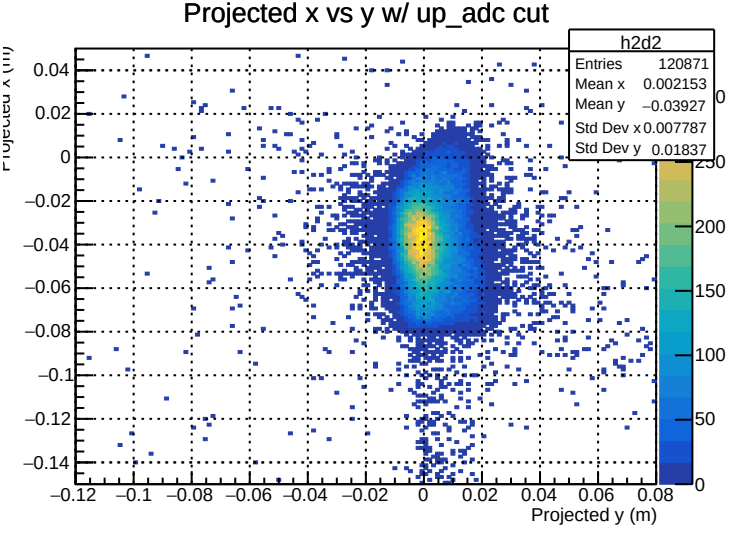

$Q^2$ (GeV/c)$^2$, xCut = -0.074 m
Q2
Entries 151183
Mean 0.006361
Std Dev 0.001236
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

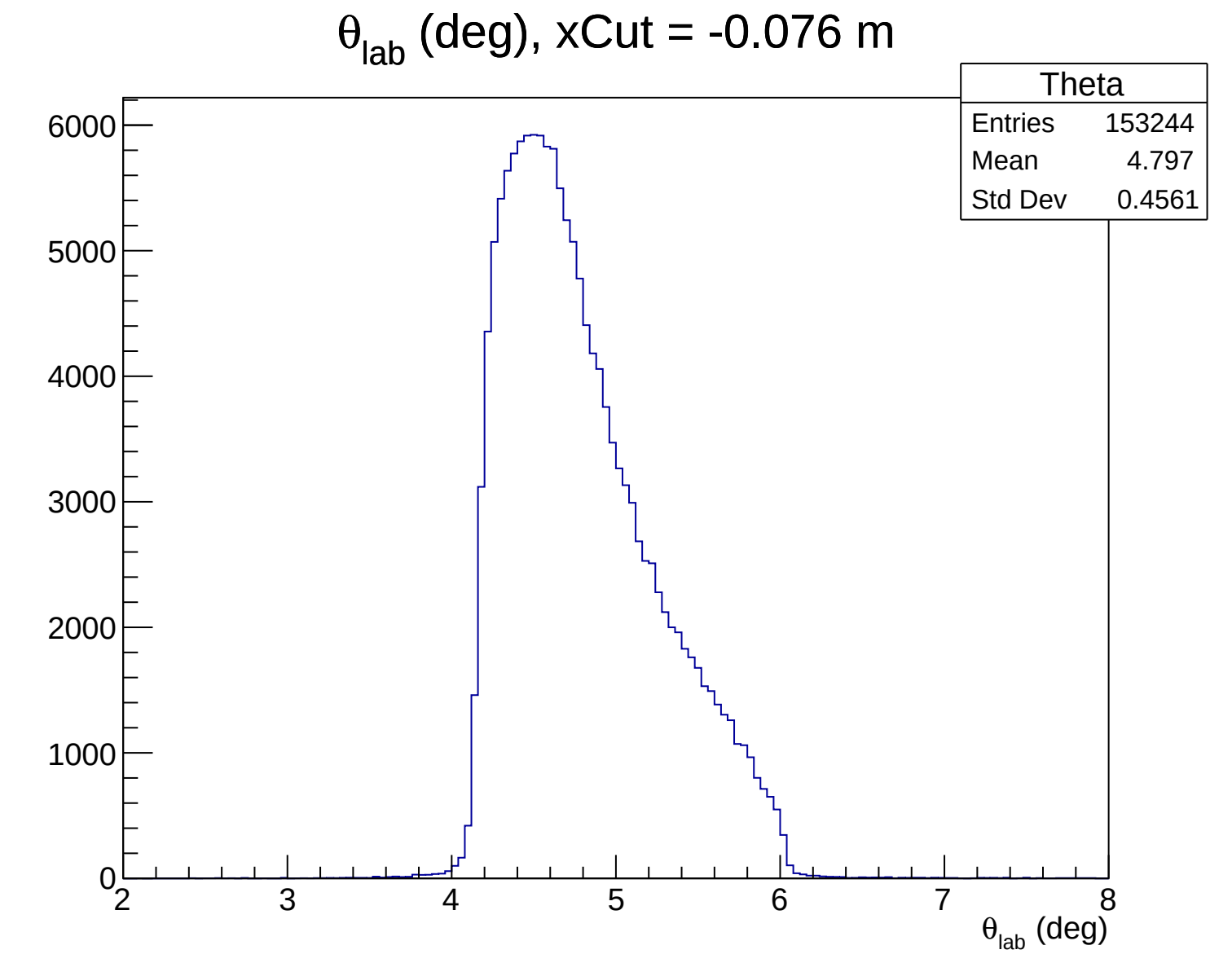

Sensitivity, xCut = -0.074 m
sens
Entries 151183
Mean 0.02236
Std Dev 0.003901
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

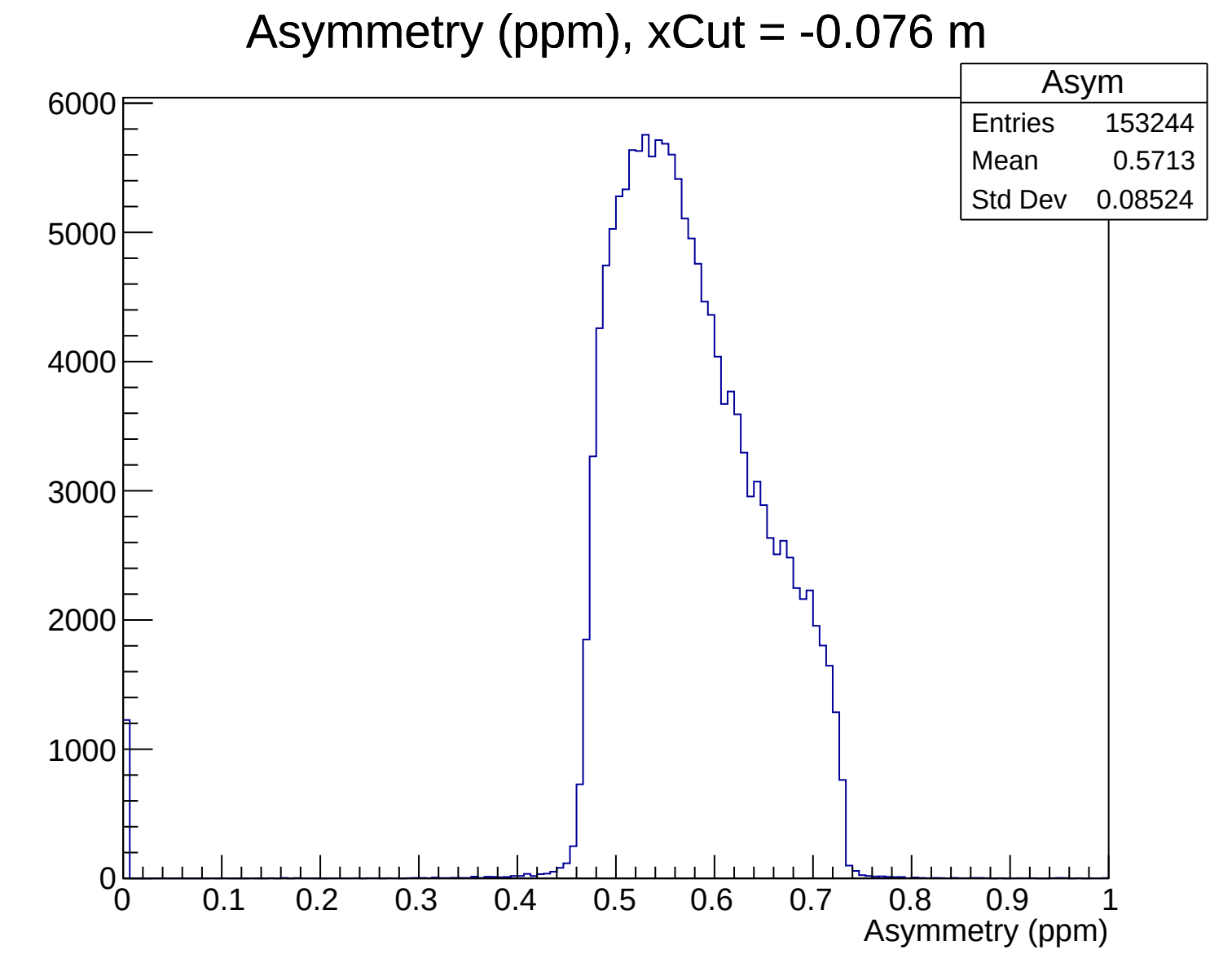

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

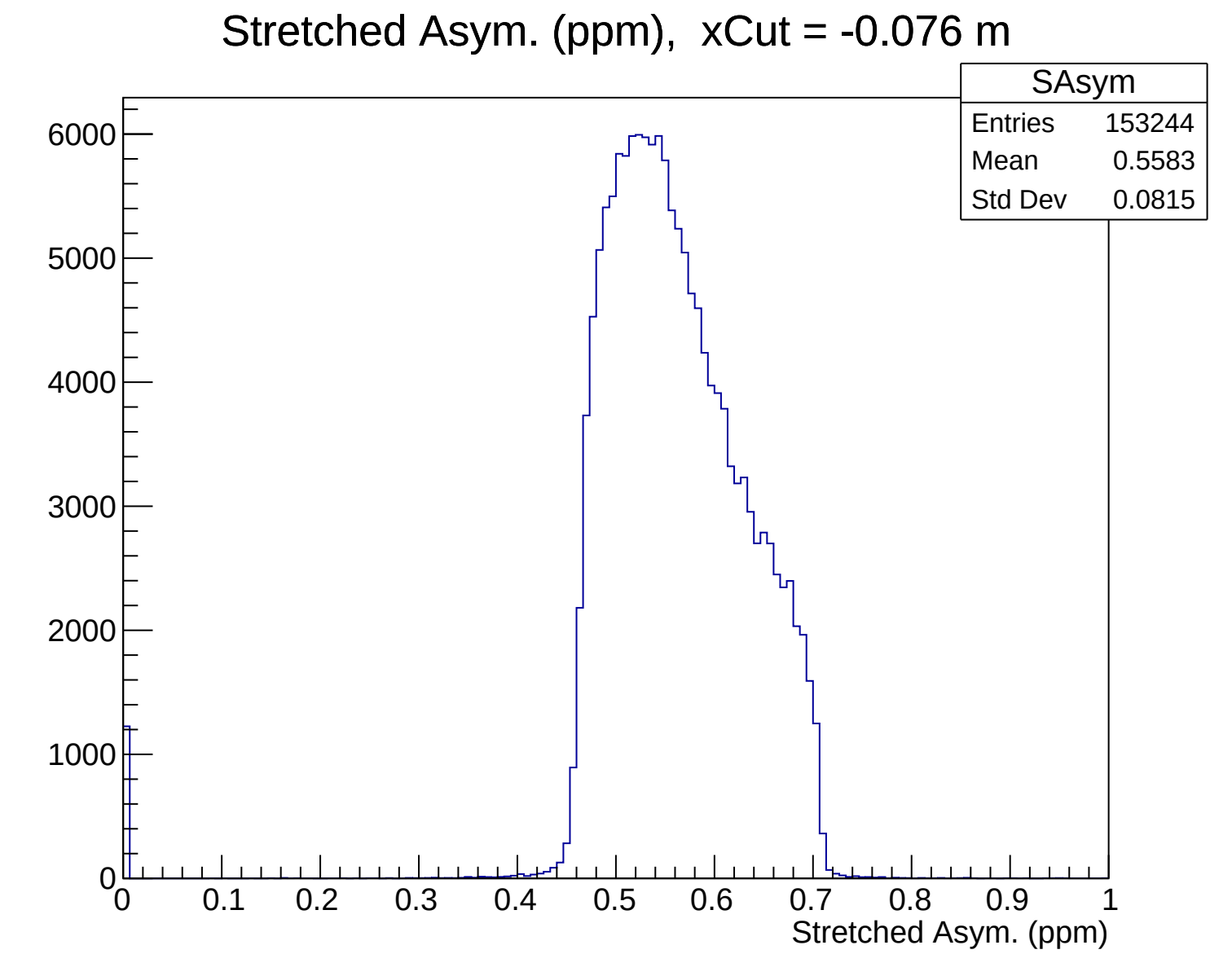

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

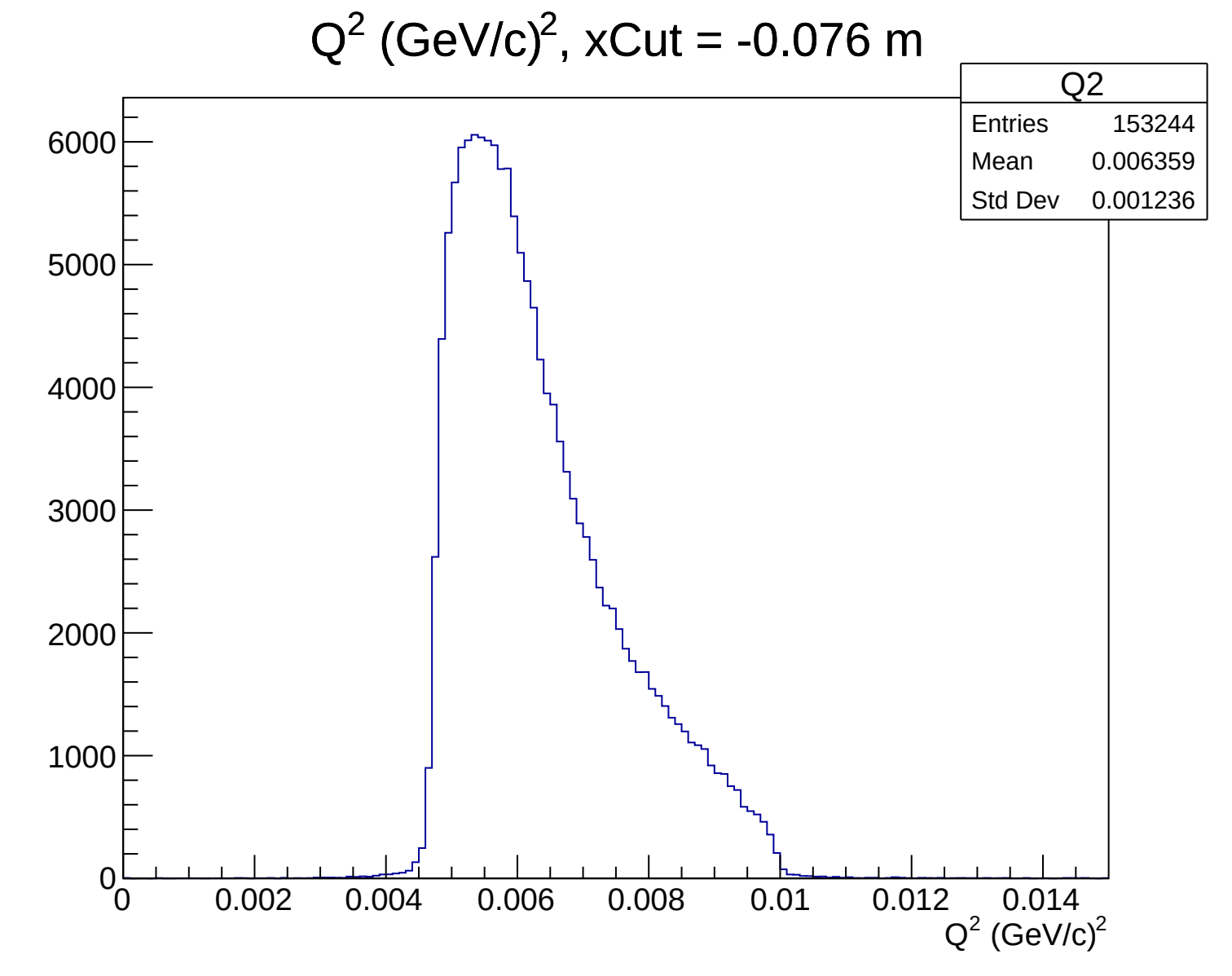

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.076
R.tr.x[0]+1.3*R.tr.th[0] (m)

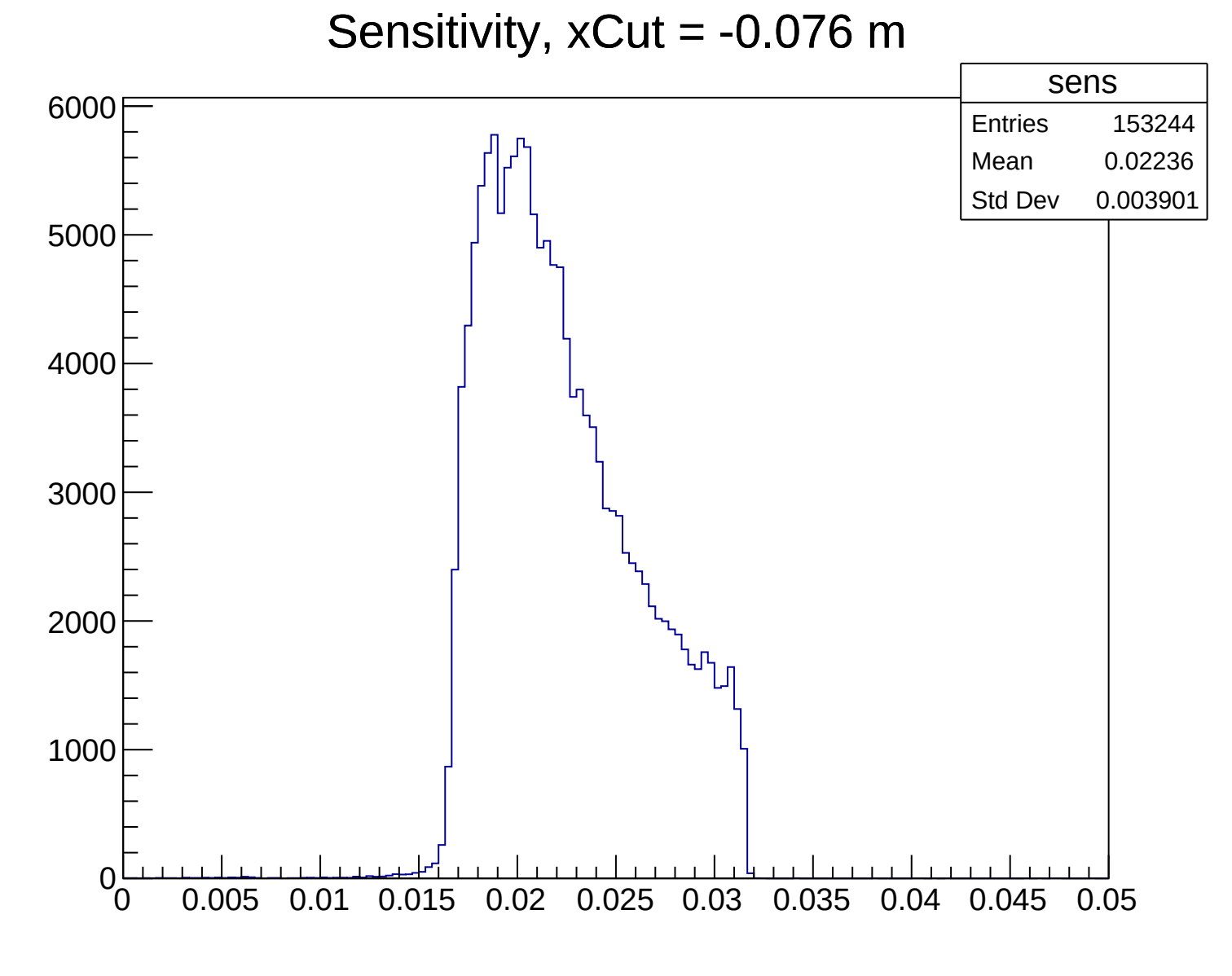

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

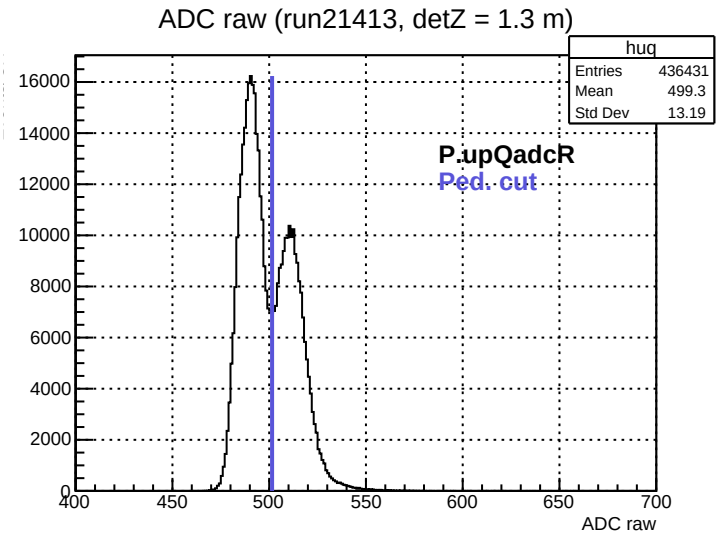

θlab (deg), xCut = -0.076 m
Theta
Entries 153244
Mean 4.797
Std Dev 0.4561
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

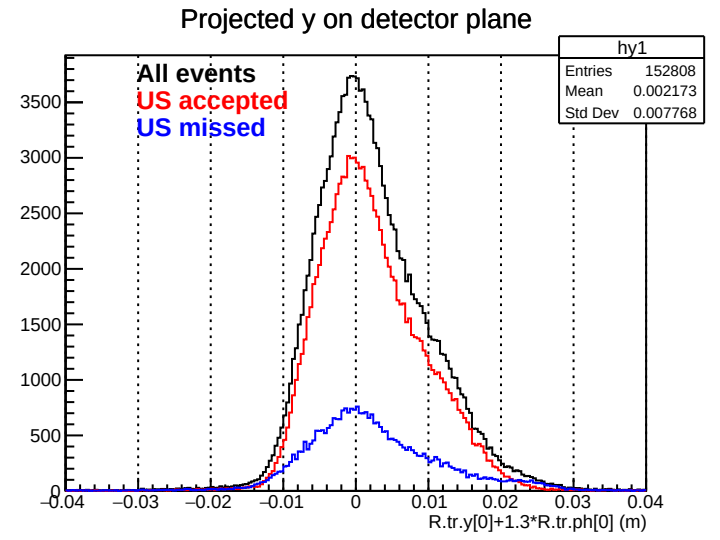

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 153244
Mean 0.5713
Std Dev 0.08524
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

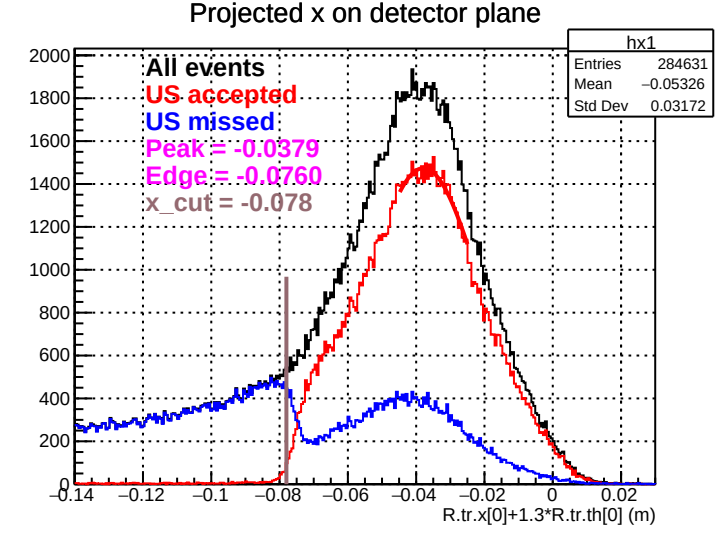

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 153244
Mean 0.5583
Std Dev 0.0815
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

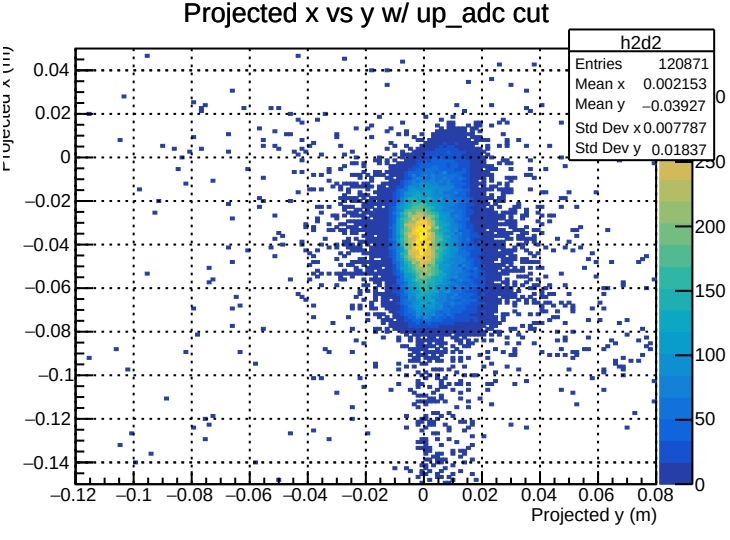

$Q^2$ (GeV/c)$^2$, xCut = -0.076 m
Q2
Entries 153244
Mean 0.006359
Std Dev 0.001236
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

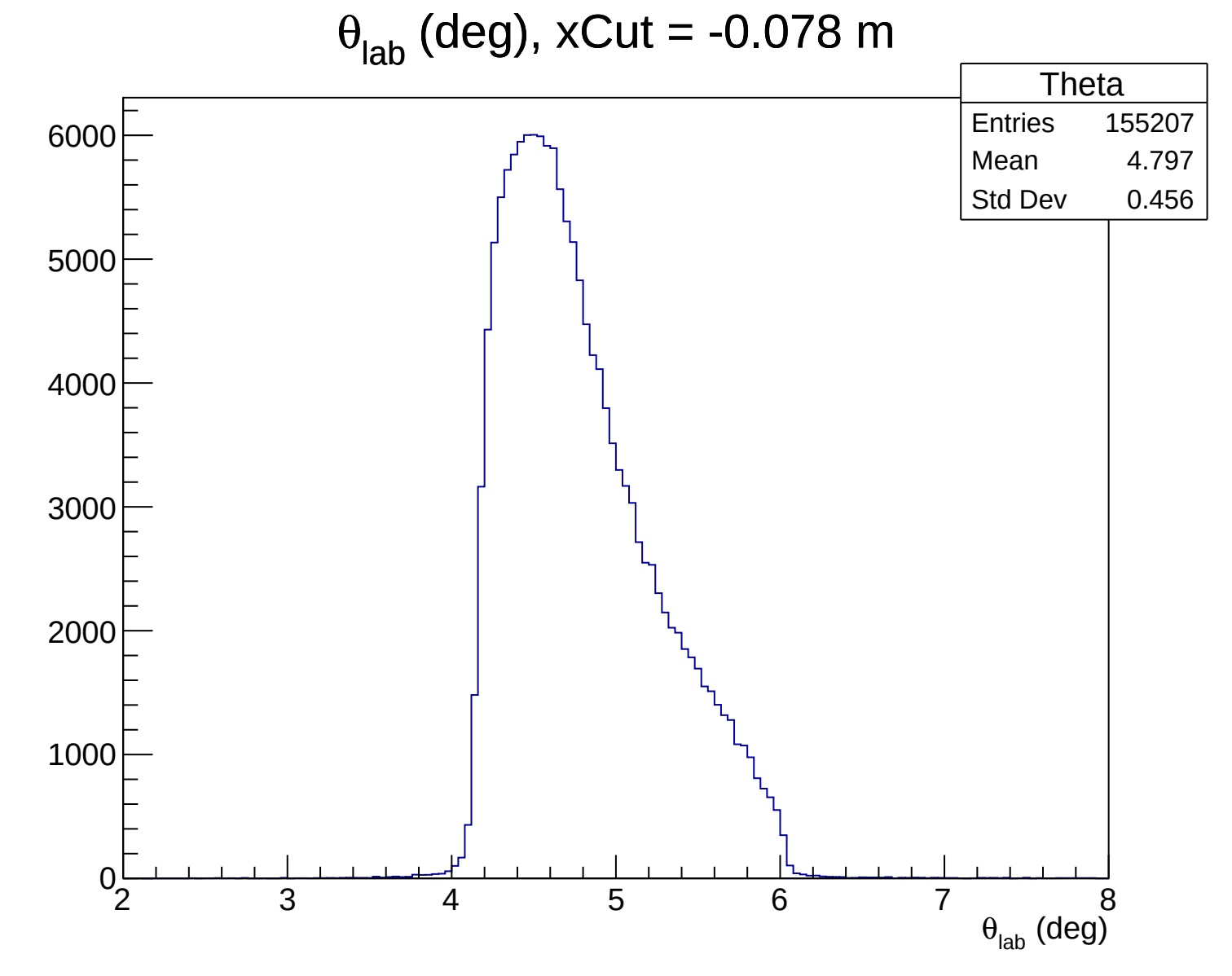

Sensitivity, xCut = -0.076 m
sens
Entries 153244
Mean 0.02236
Std Dev 0.003901
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

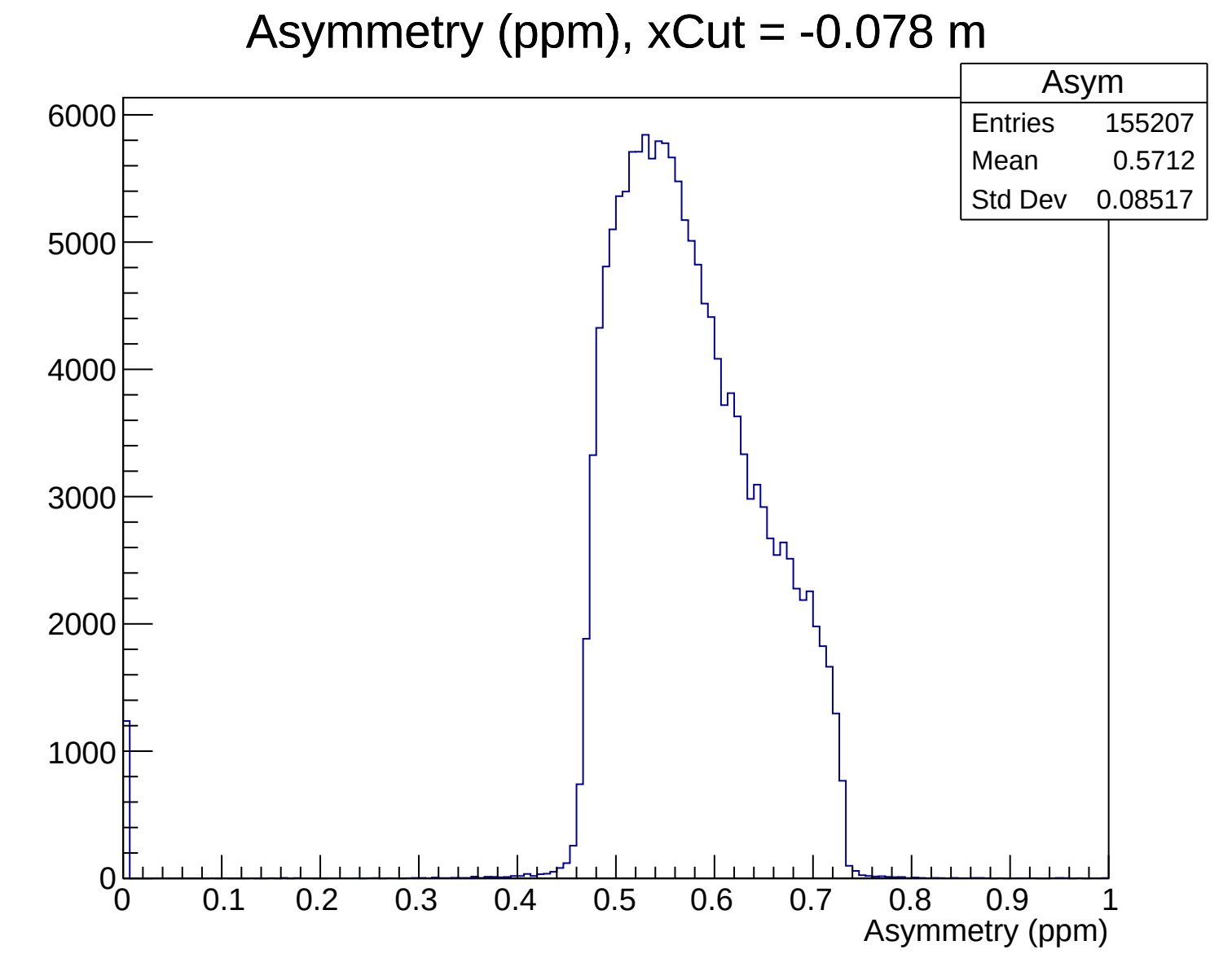

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

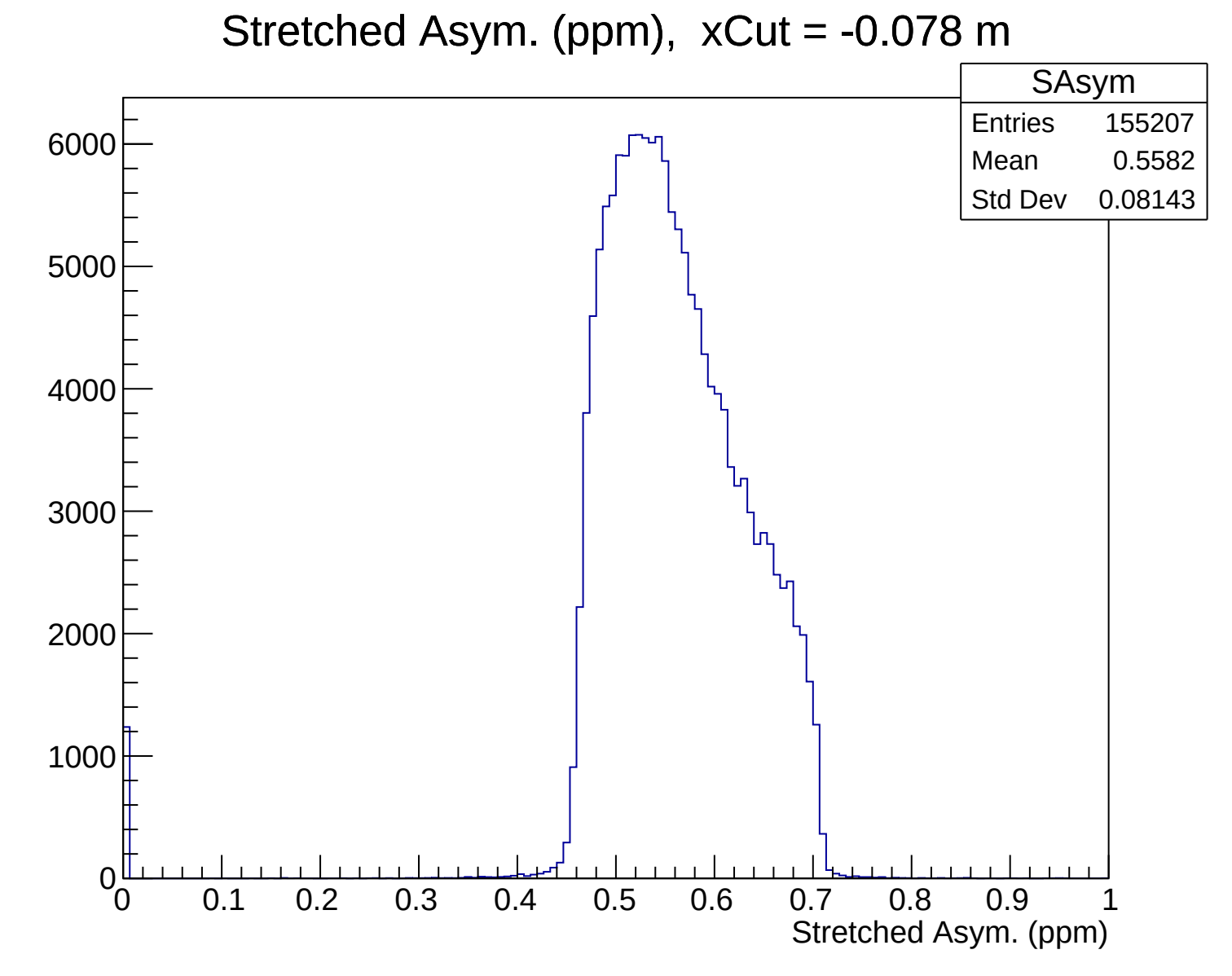

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

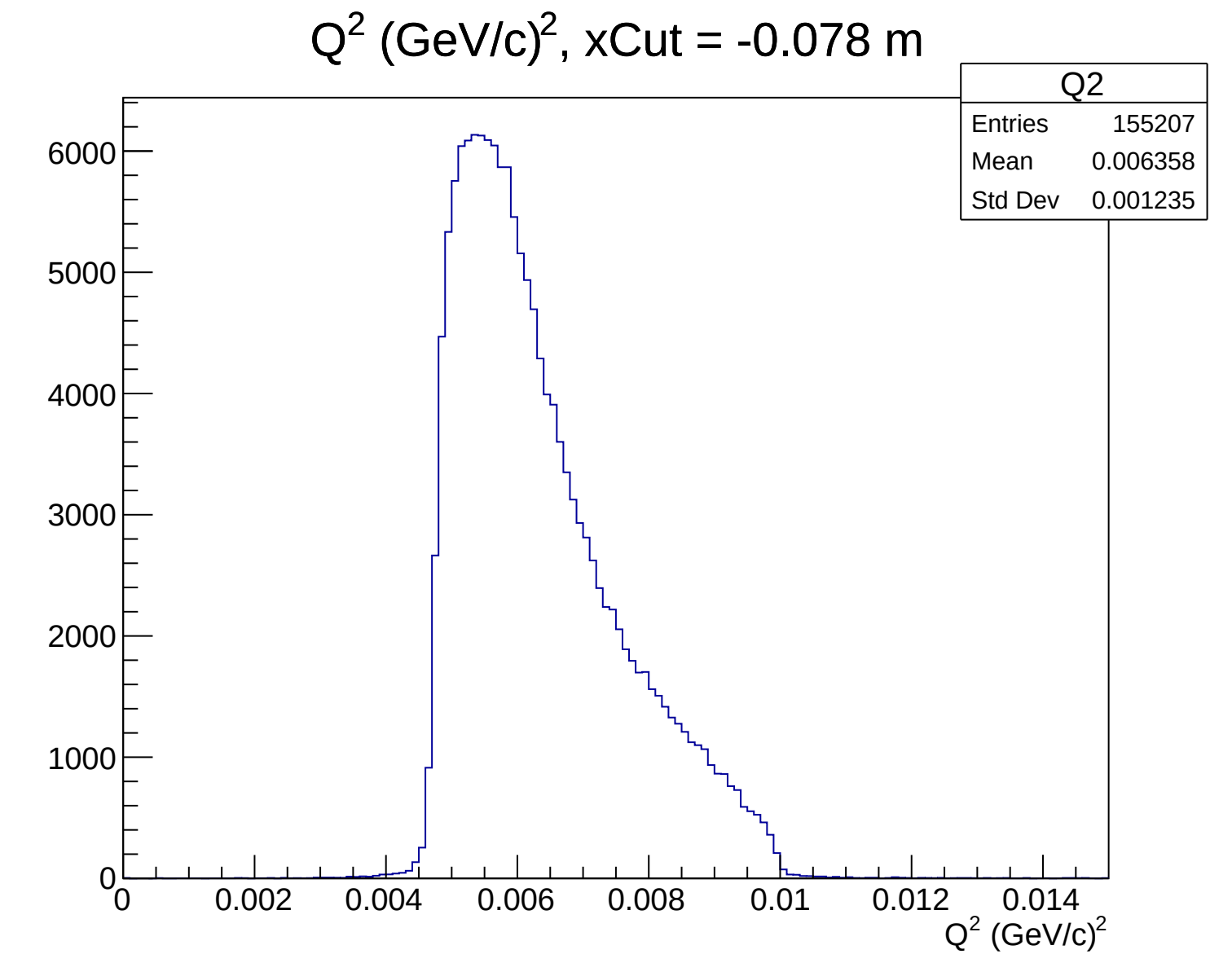

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.078
R.tr.x[0]+1.3*R.tr.th[0] (m)

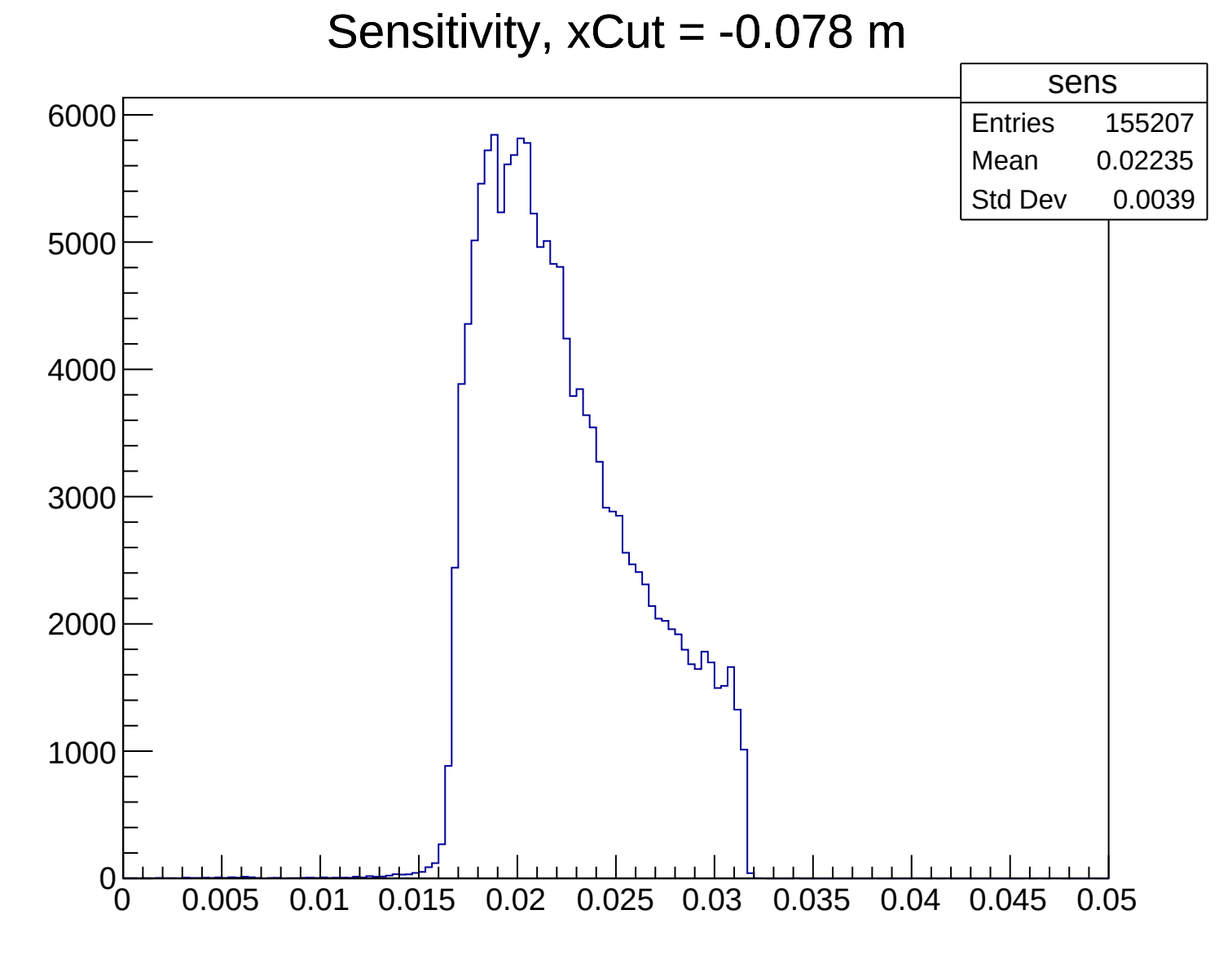

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

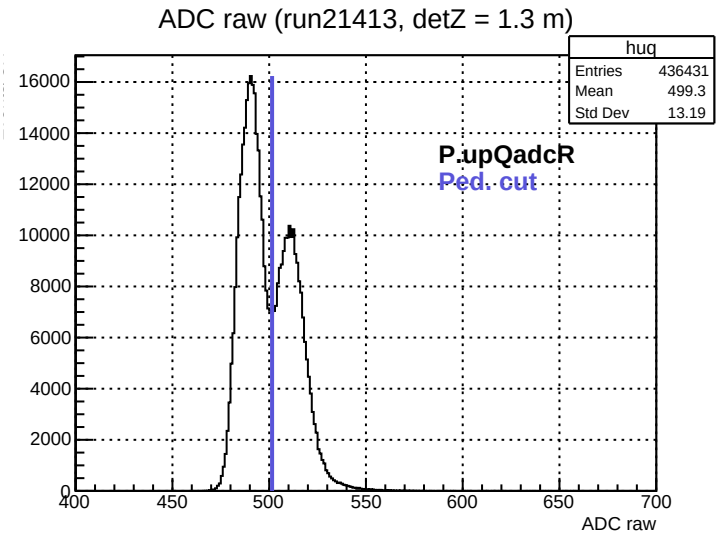

θlab (deg), xCut = -0.078 m
Theta
Entries 155207
Mean 4.797
Std Dev 0.456
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

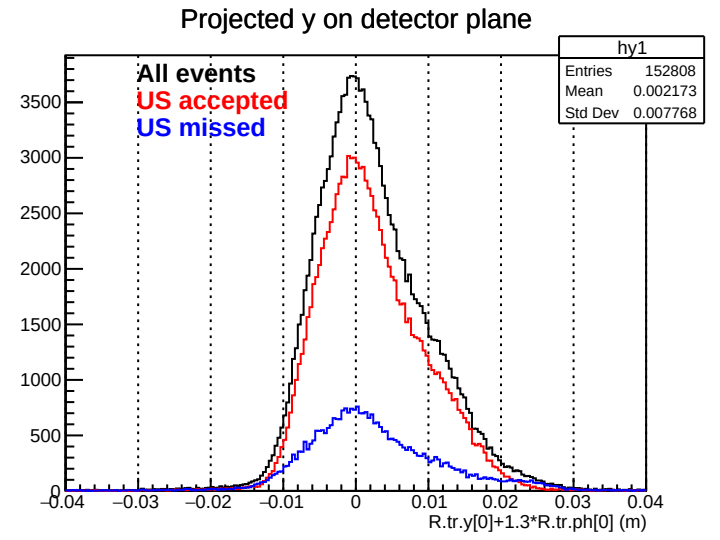

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 155207
Mean 0.5712
Std Dev 0.08517
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

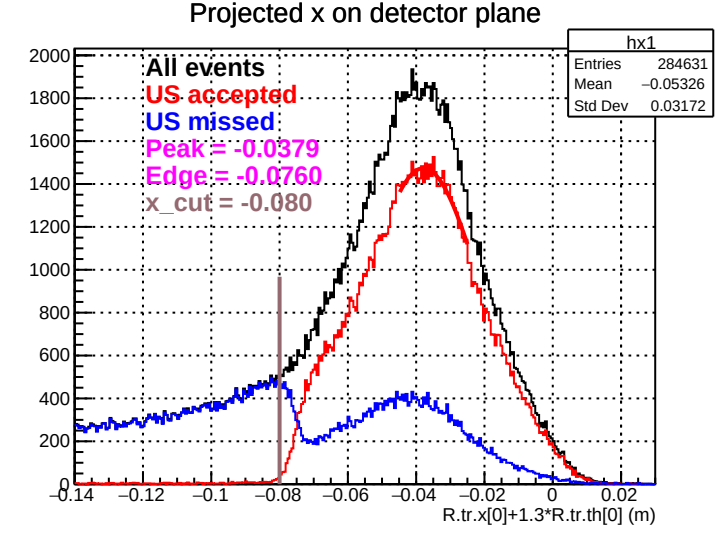

Stretched Asym. (ppm),  xCut = -0.078 m
SAsym
Entries 155207
Mean 0.5582
Std Dev 0.08143
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

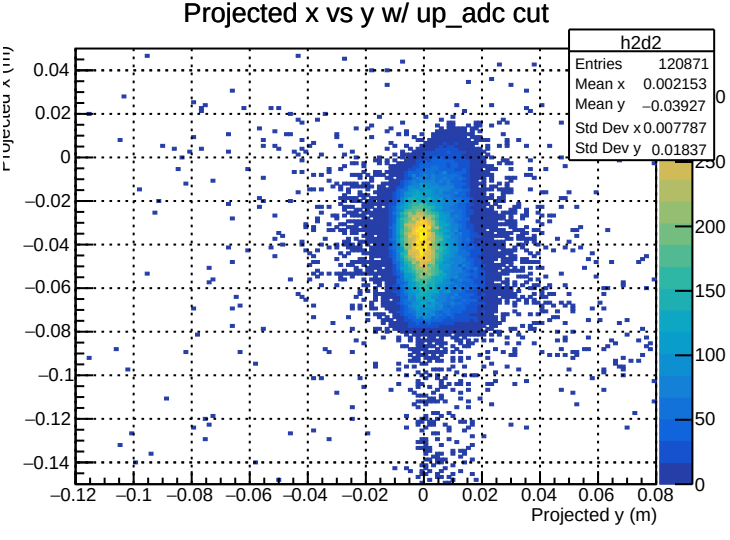

$Q^2$ (GeV/c)$^2$, xCut = -0.078 m
Q2
Entries 155207
Mean 0.006358
Std Dev 0.001235
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

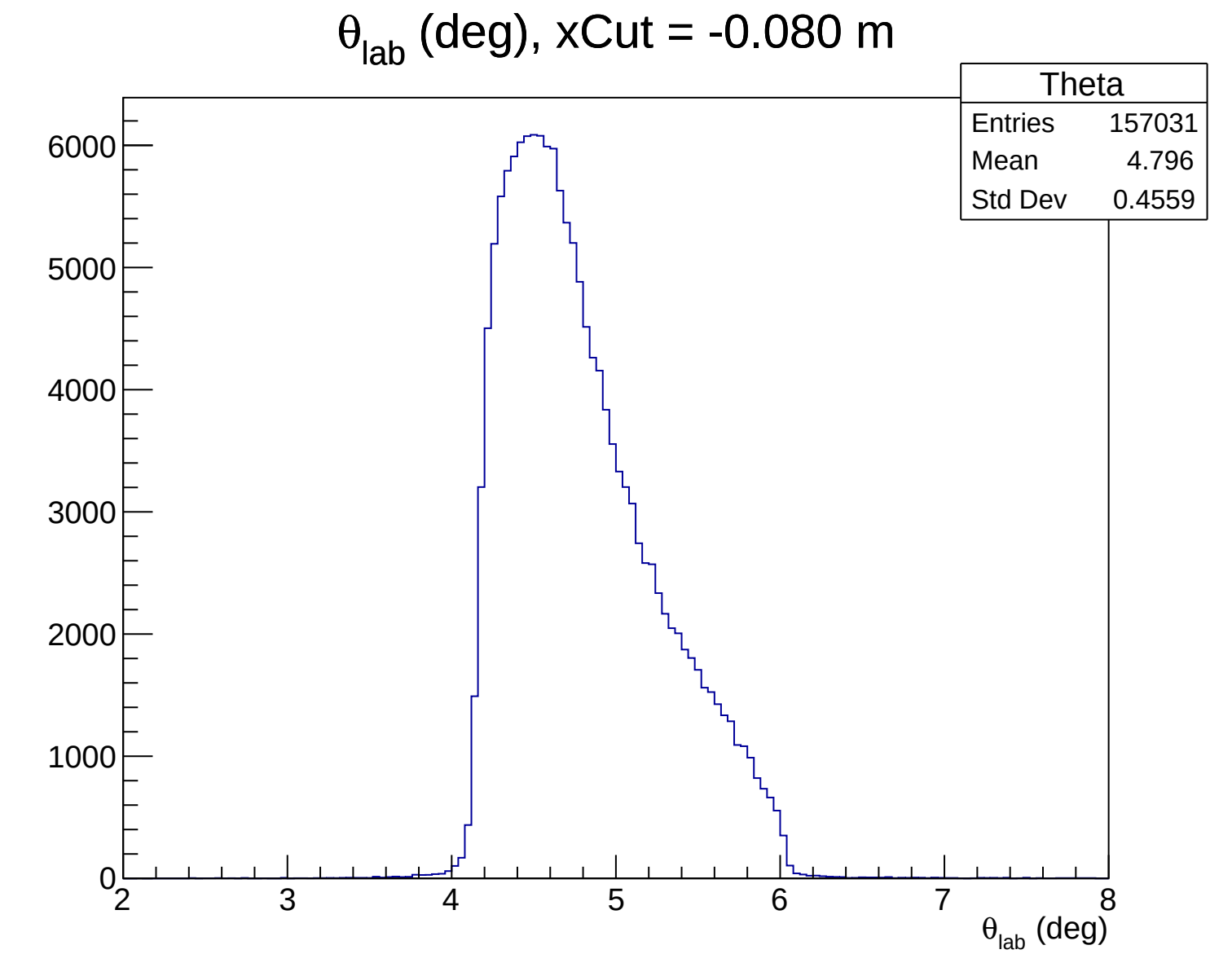

Sensitivity, xCut = -0.078 m
sens
Entries 155207
Mean 0.02235
Std Dev 0.0039
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

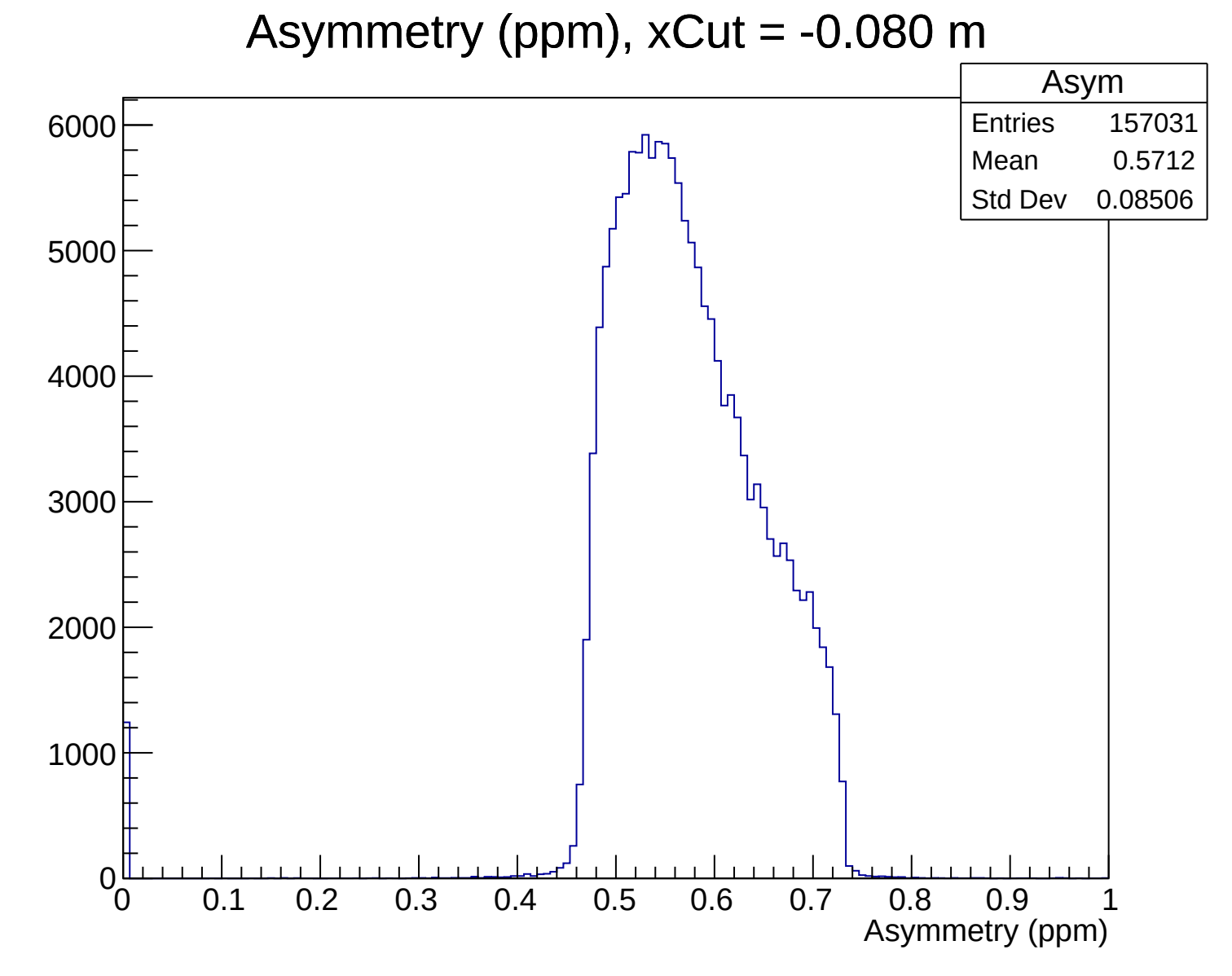

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

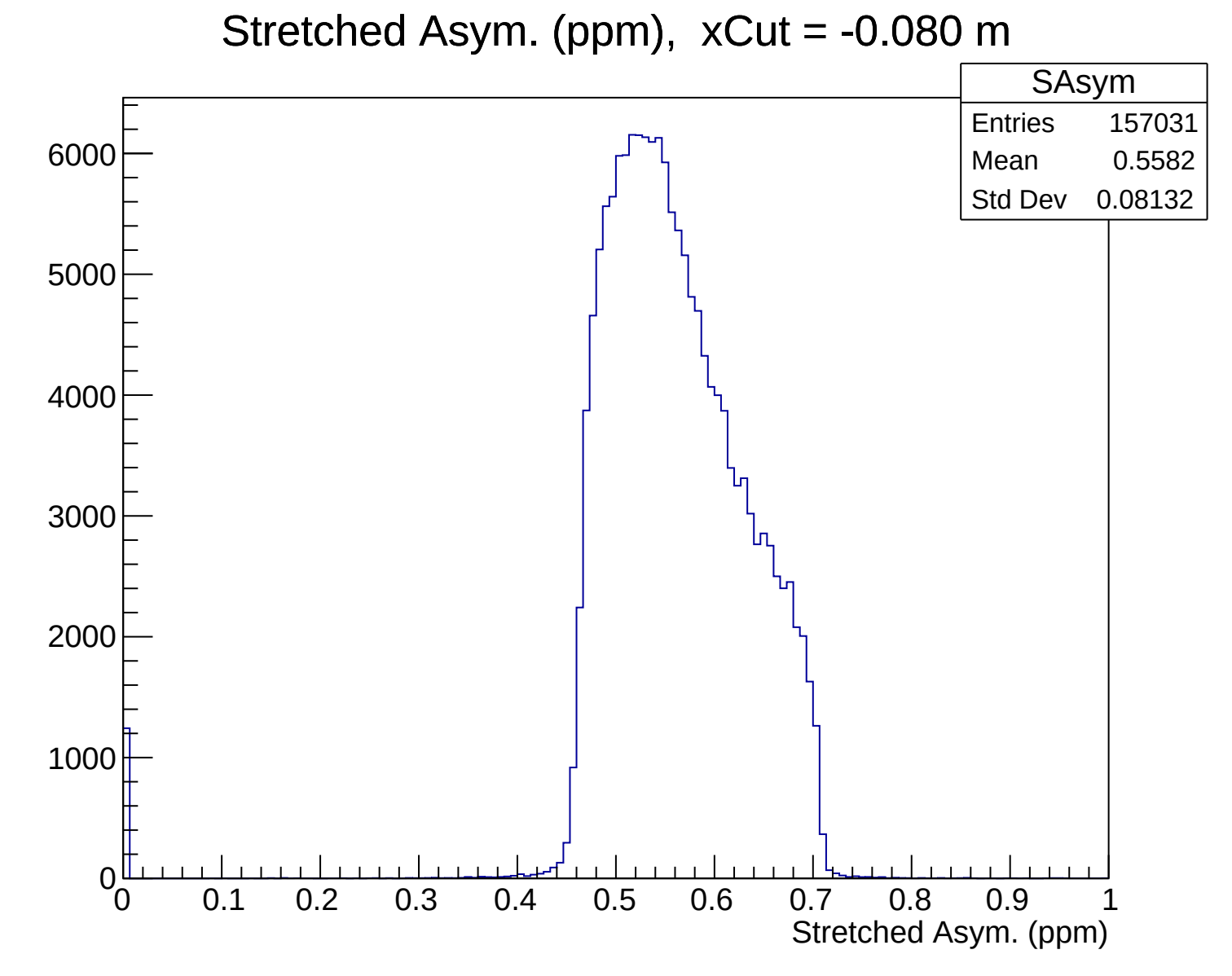

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

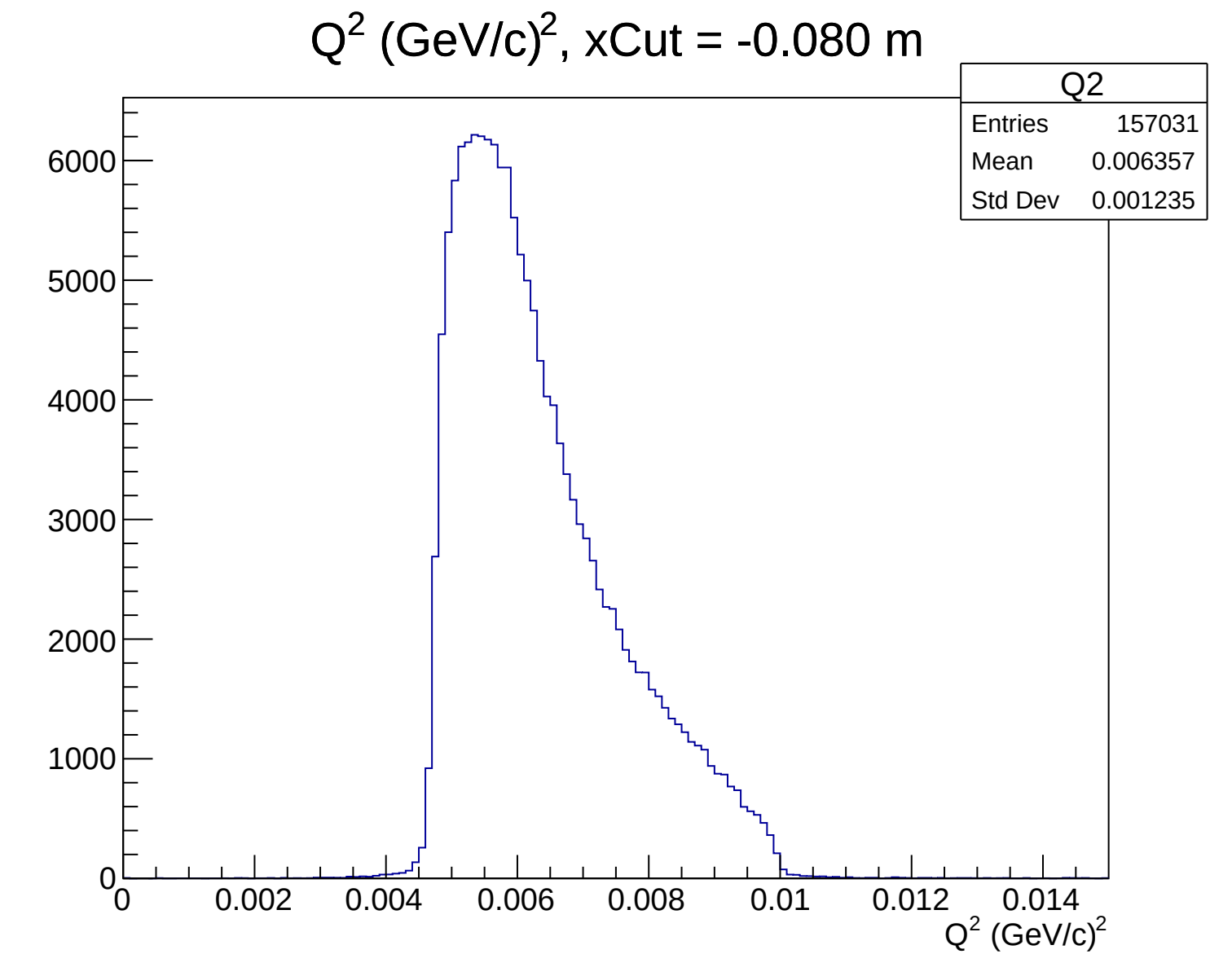

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.080
R.tr.x[0]+1.3*R.tr.th[0] (m)

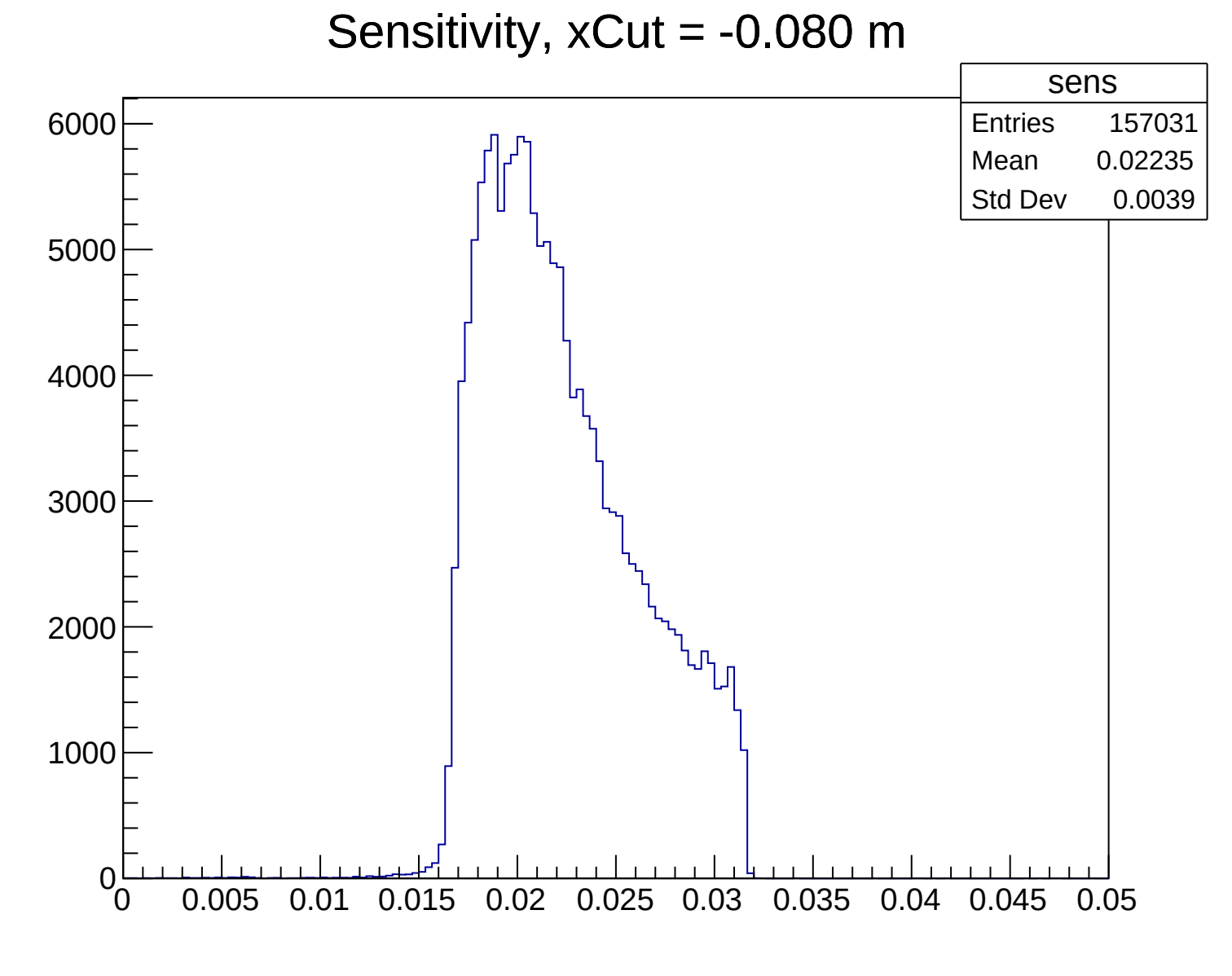

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

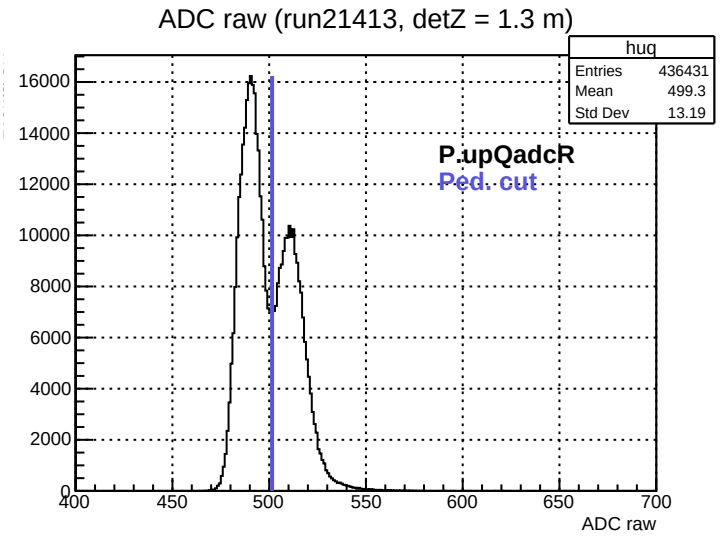

θlab (deg), xCut = -0.080 m
Theta
Entries 157031
Mean 4.796
Std Dev 0.4559
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

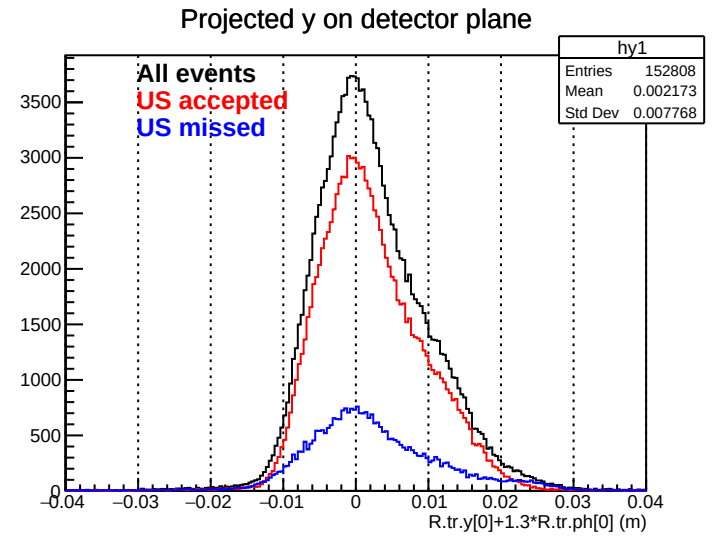

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 157031
Mean 0.5712
Std Dev 0.08506
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

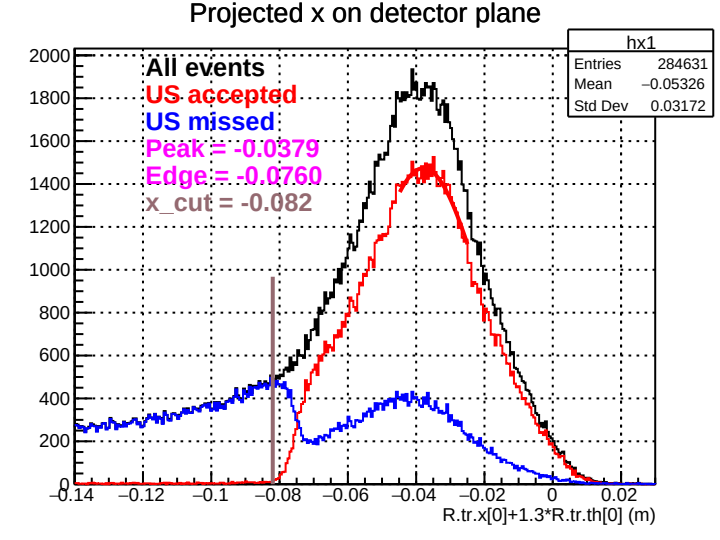

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 157031
Mean 0.5582
Std Dev 0.08132
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

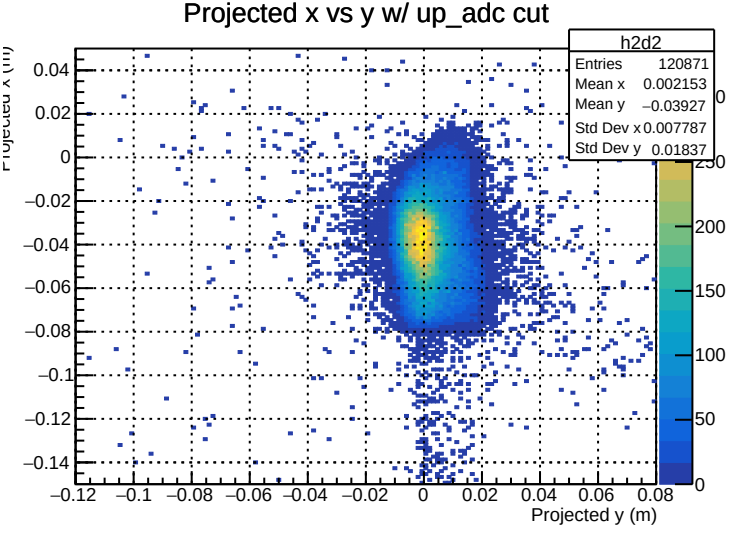

$Q^2$ (GeV/c)$^2$, xCut = -0.080 m
Q2
Entries 157031
Mean 0.006357
Std Dev 0.001235
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

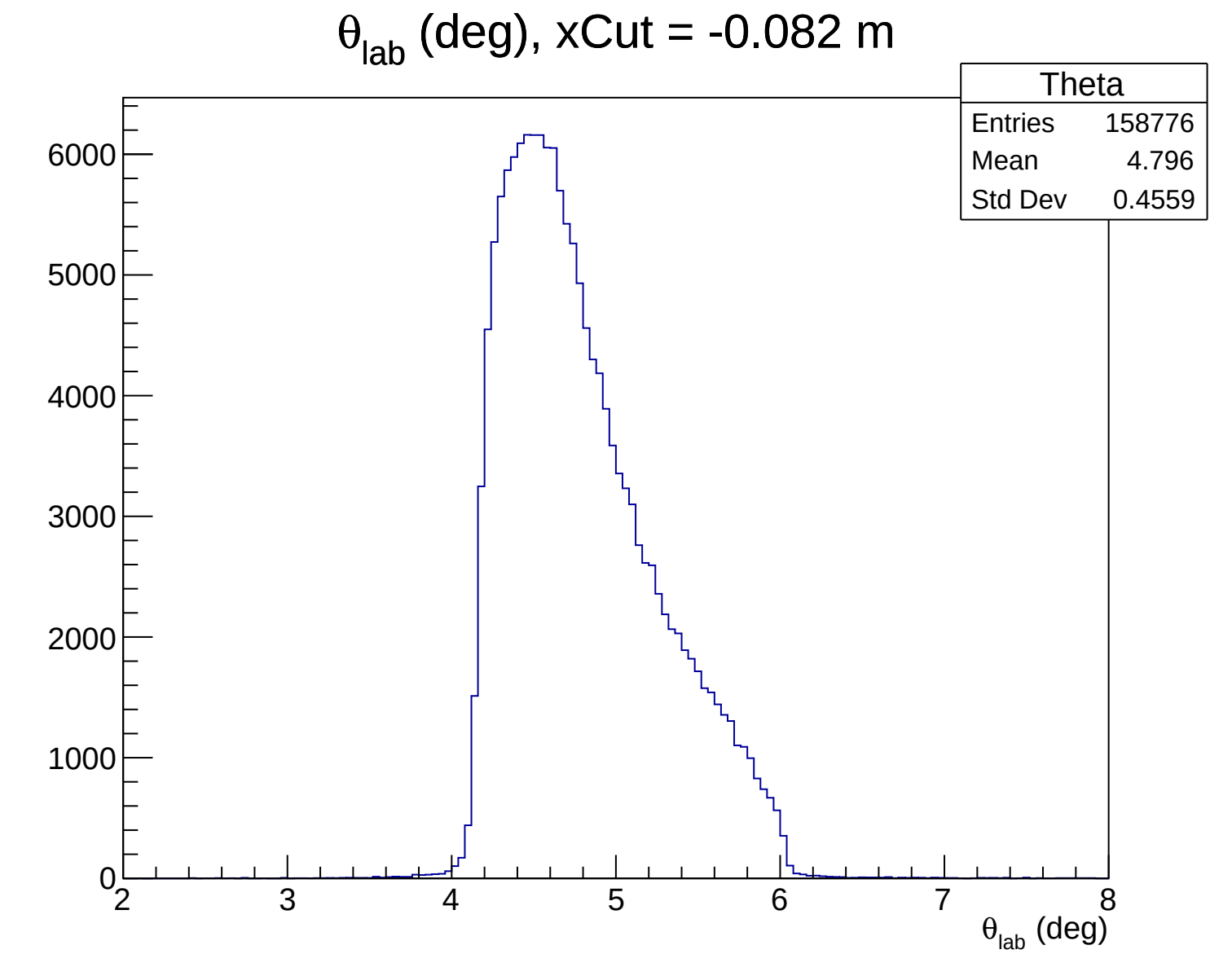

Sensitivity, xCut = -0.080 m
sens
Entries 157031
Mean 0.02235
Std Dev 0.0039
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

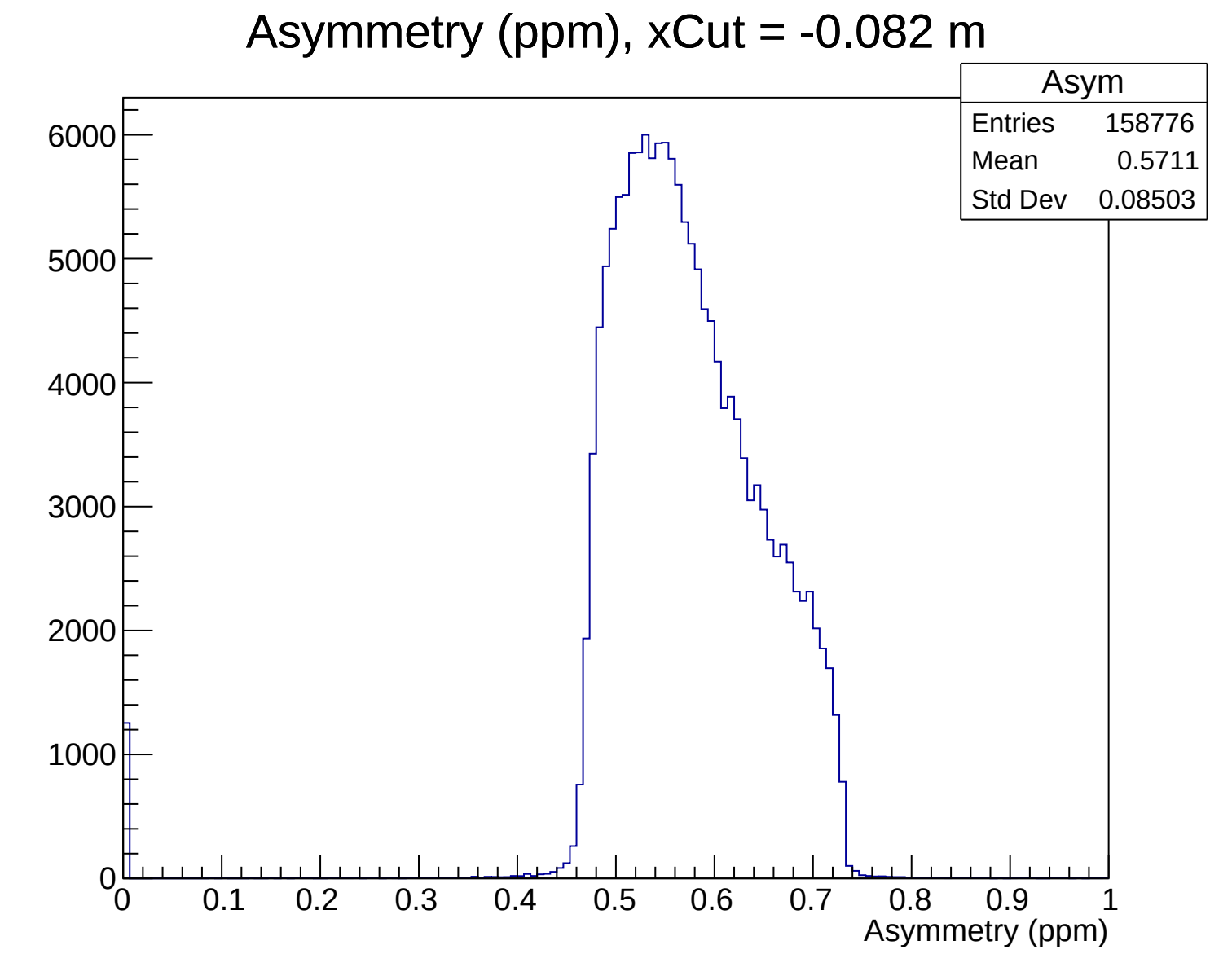

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

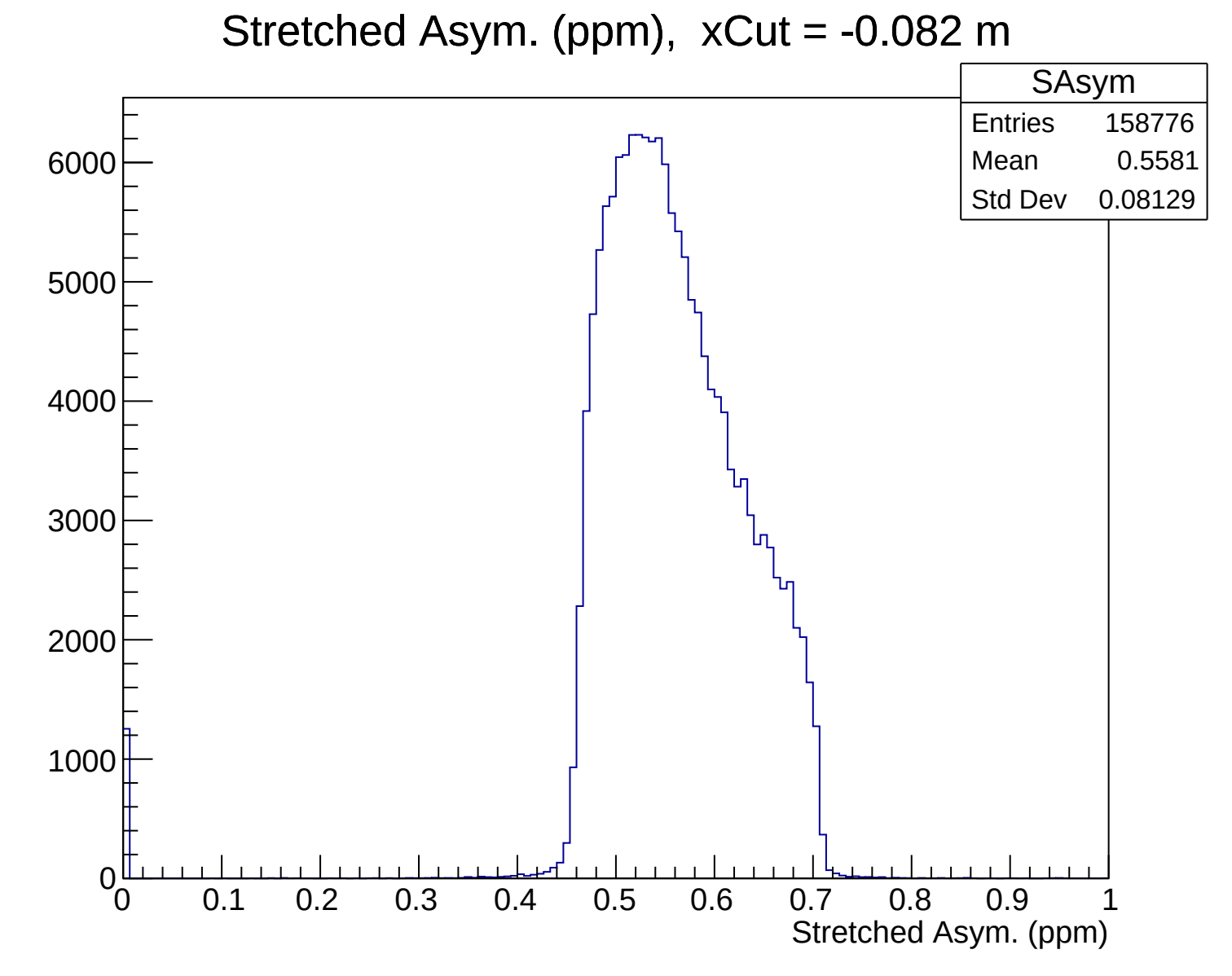

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

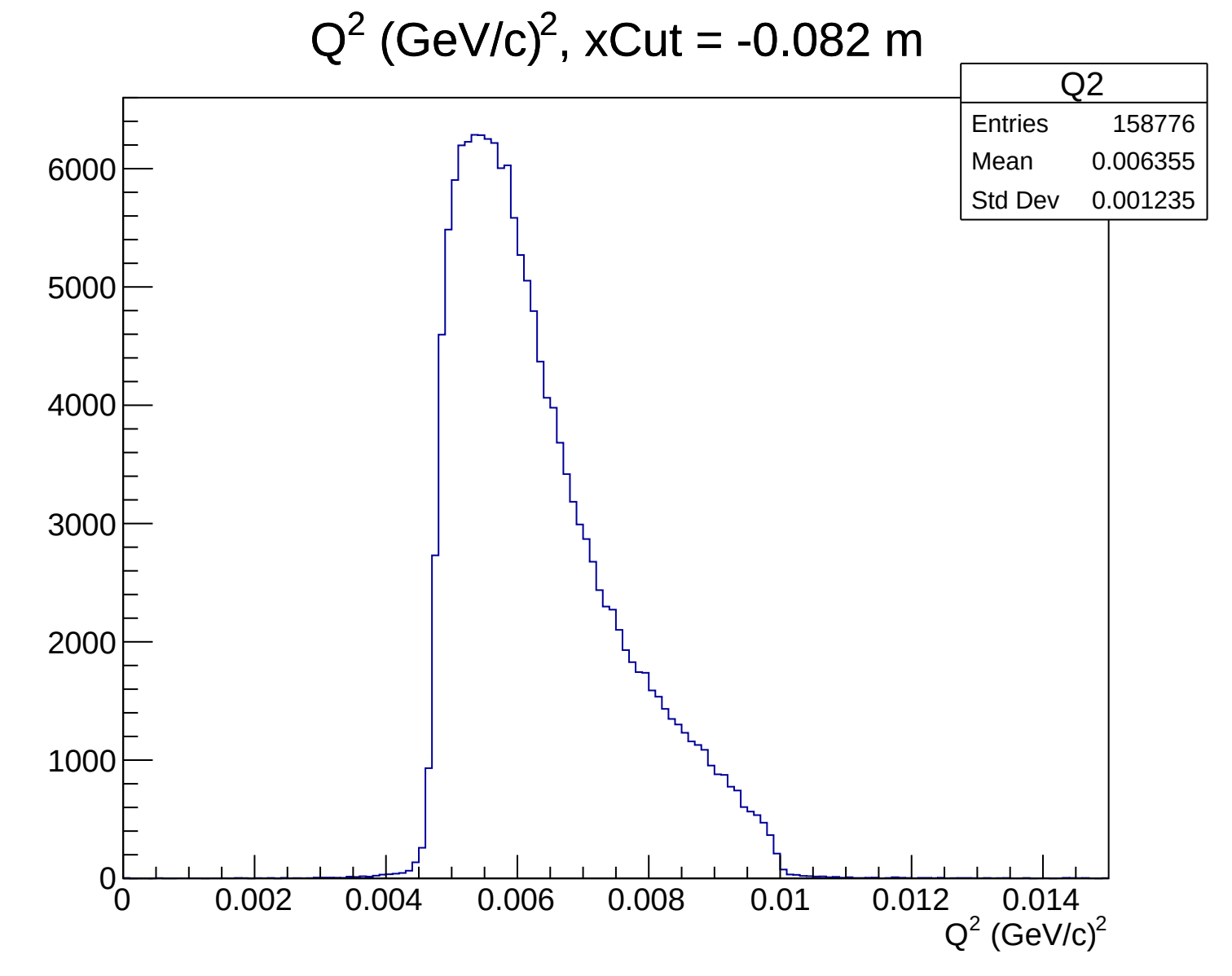

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.082
R.tr.x[0]+1.3*R.tr.th[0] (m)

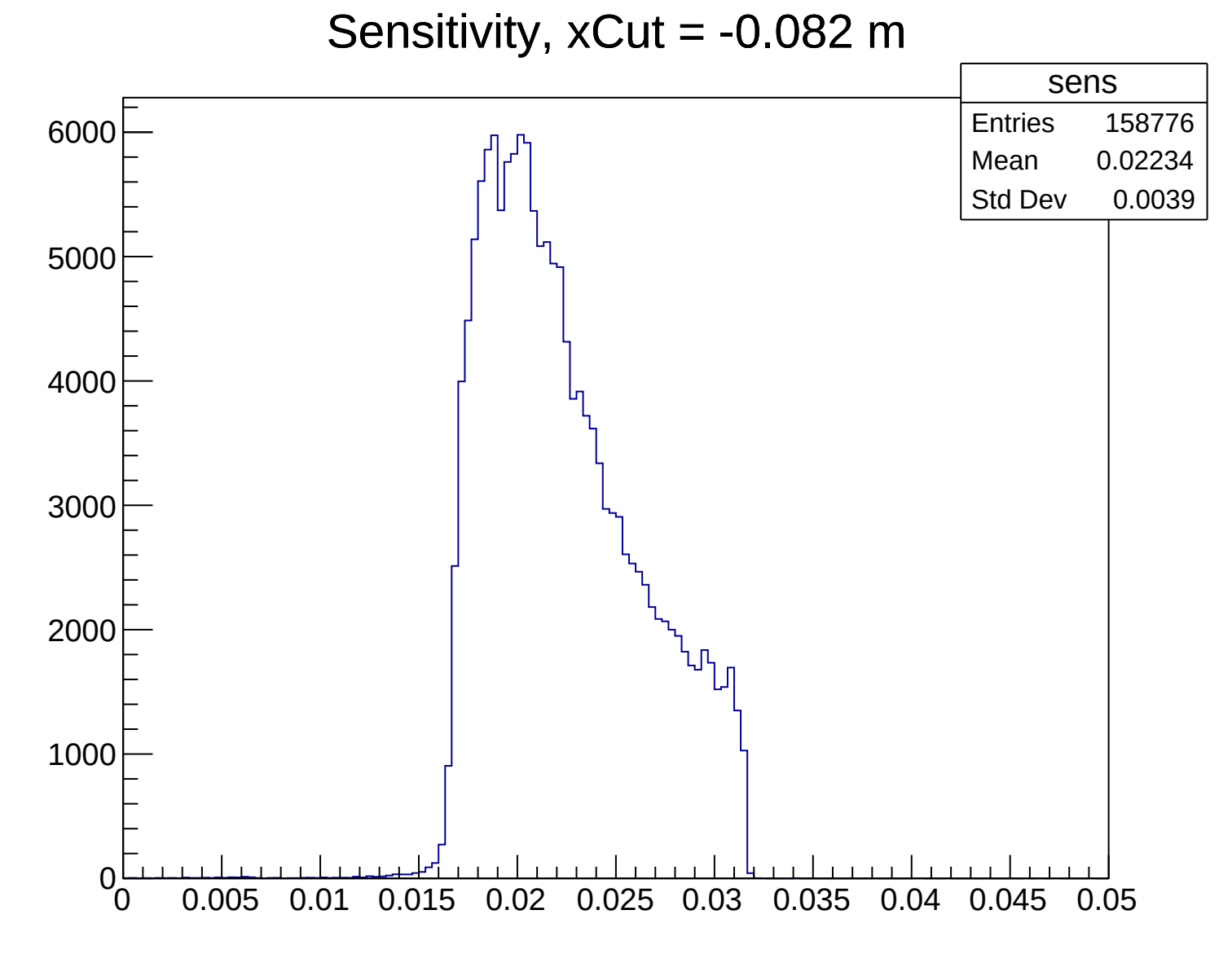

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

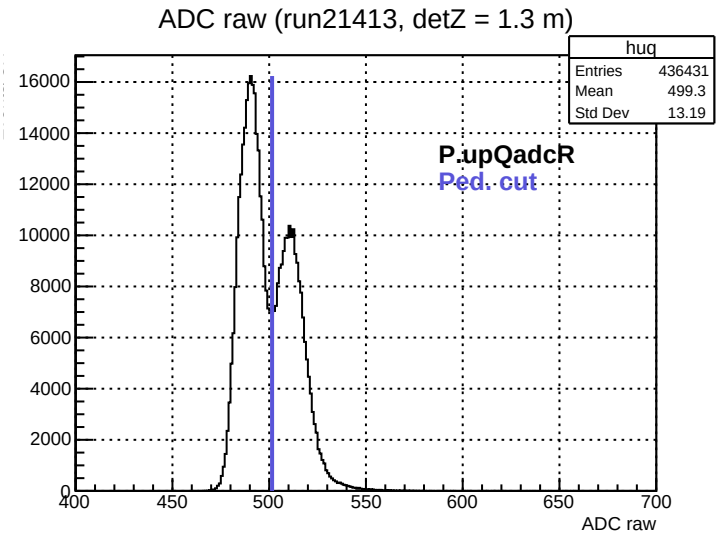

θlab (deg), xCut = -0.082 m
Theta
Entries 158776
Mean 4.796
Std Dev 0.4559
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

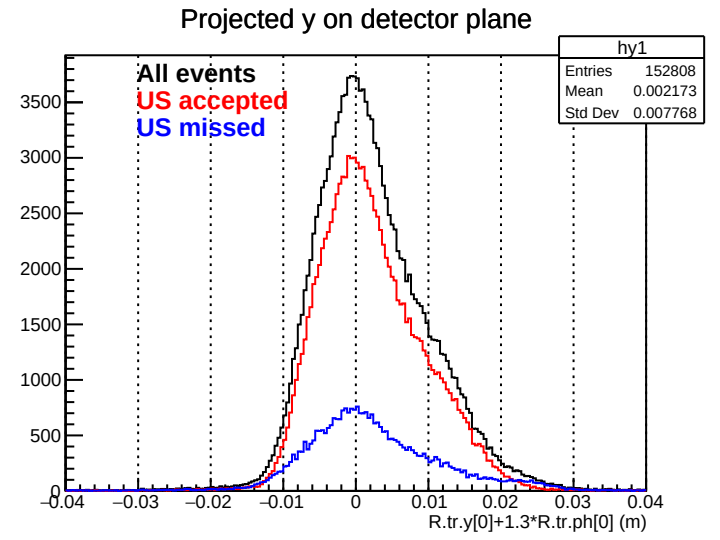

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 158776
Mean 0.5711
Std Dev 0.08503
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

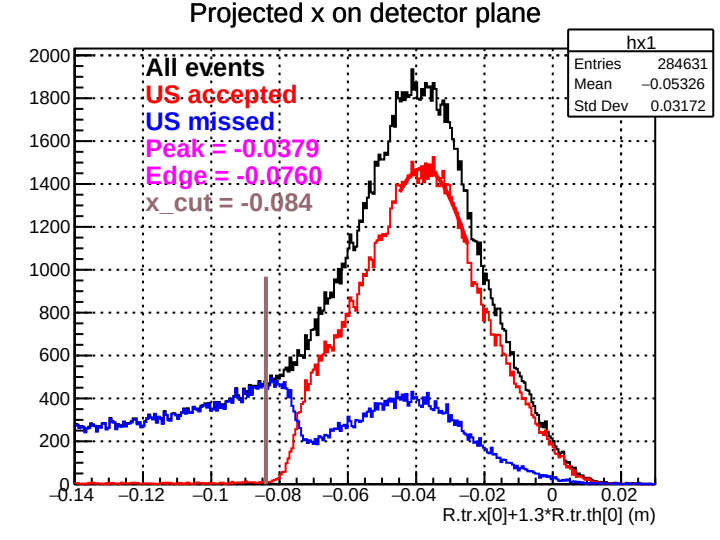

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 158776
Mean 0.5581
Std Dev 0.08129
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

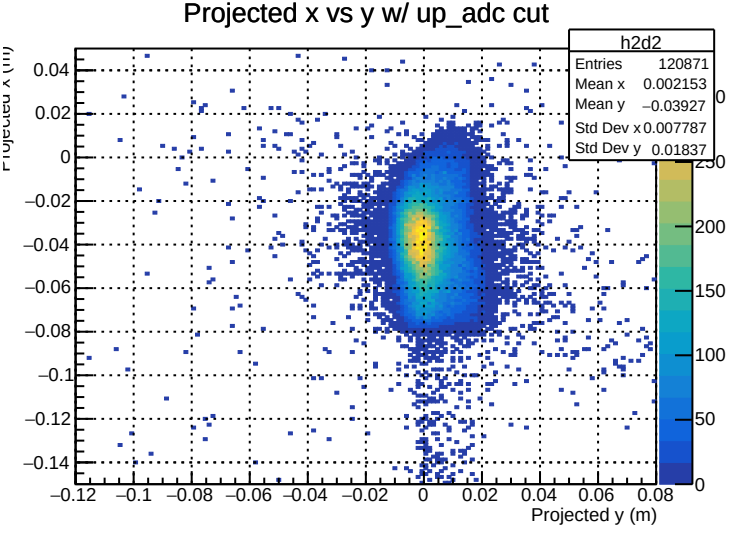

$Q^2$ (GeV/c)$^2$, xCut = -0.082 m
Q2
Entries 158776
Mean 0.006355
Std Dev 0.001235
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

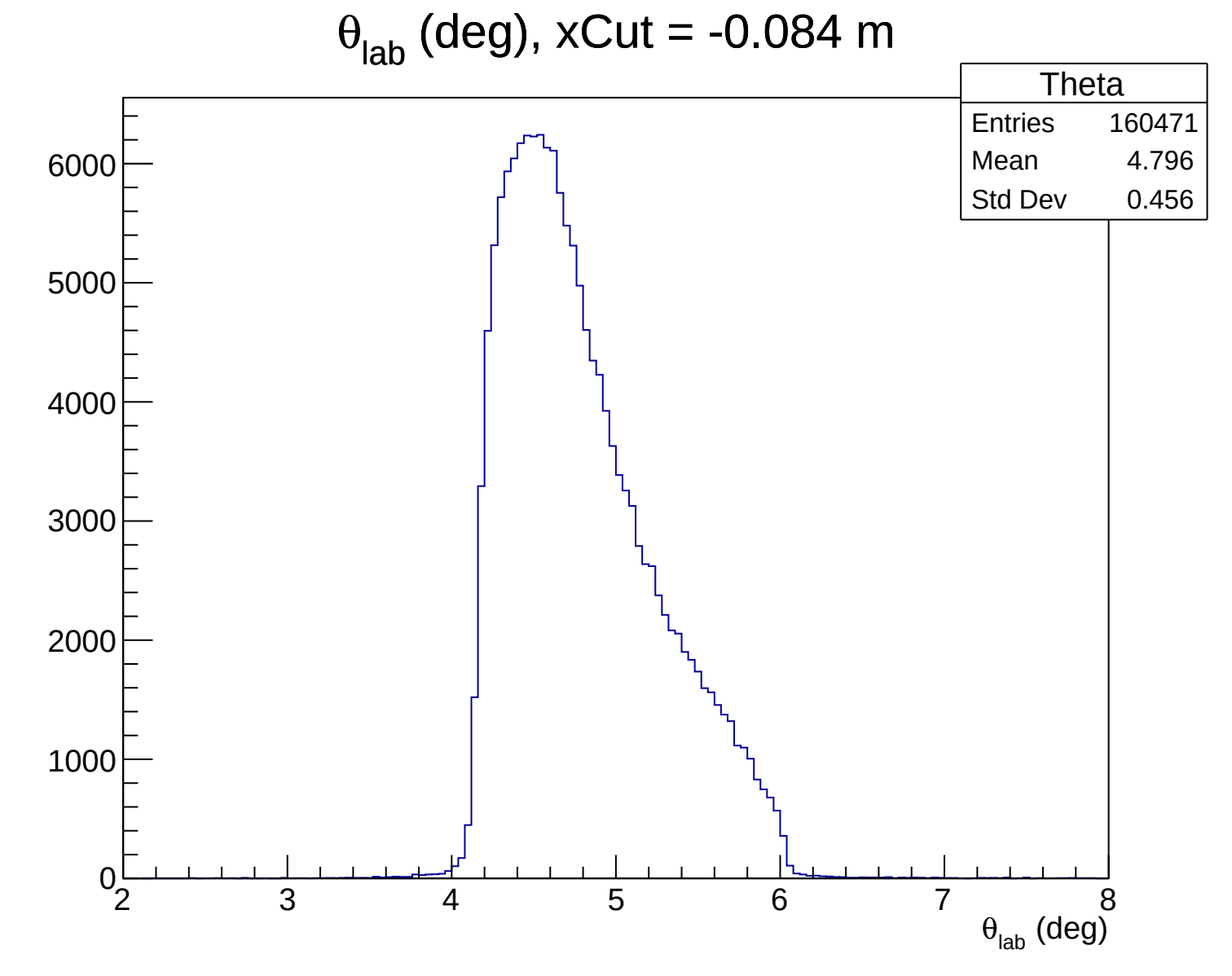

Sensitivity, xCut = -0.082 m
sens
Entries 158776
Mean 0.02234
Std Dev 0.0039
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

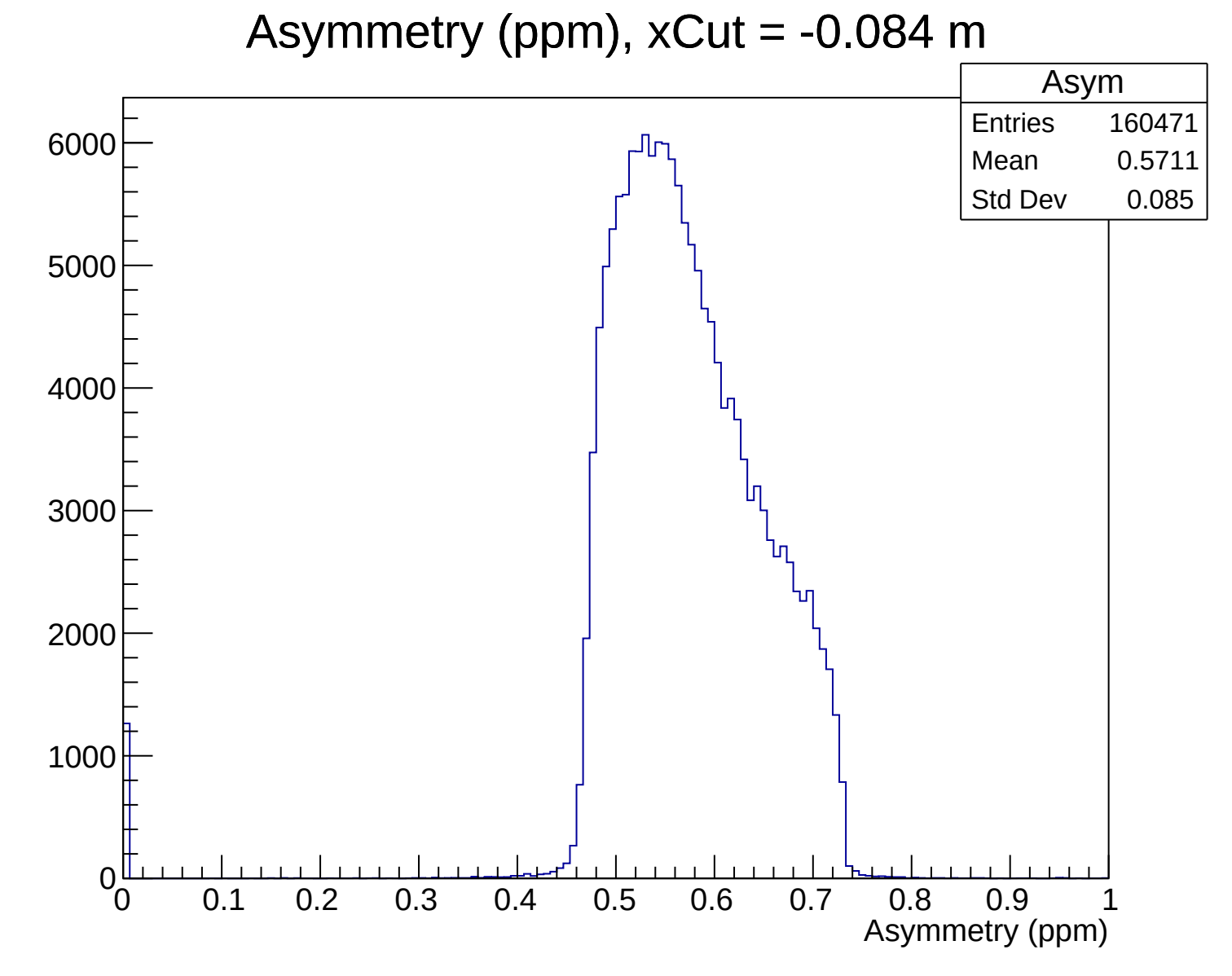

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

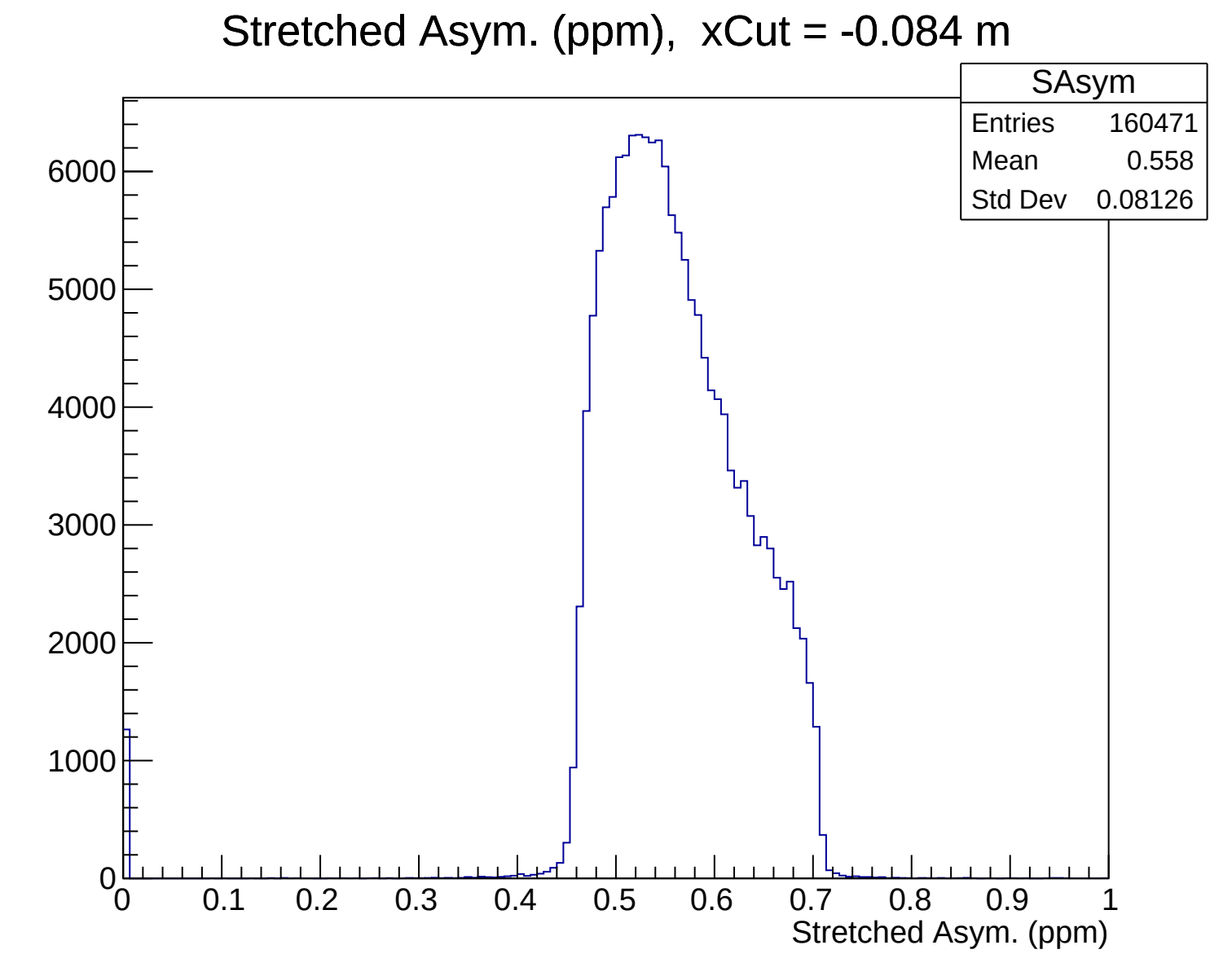

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

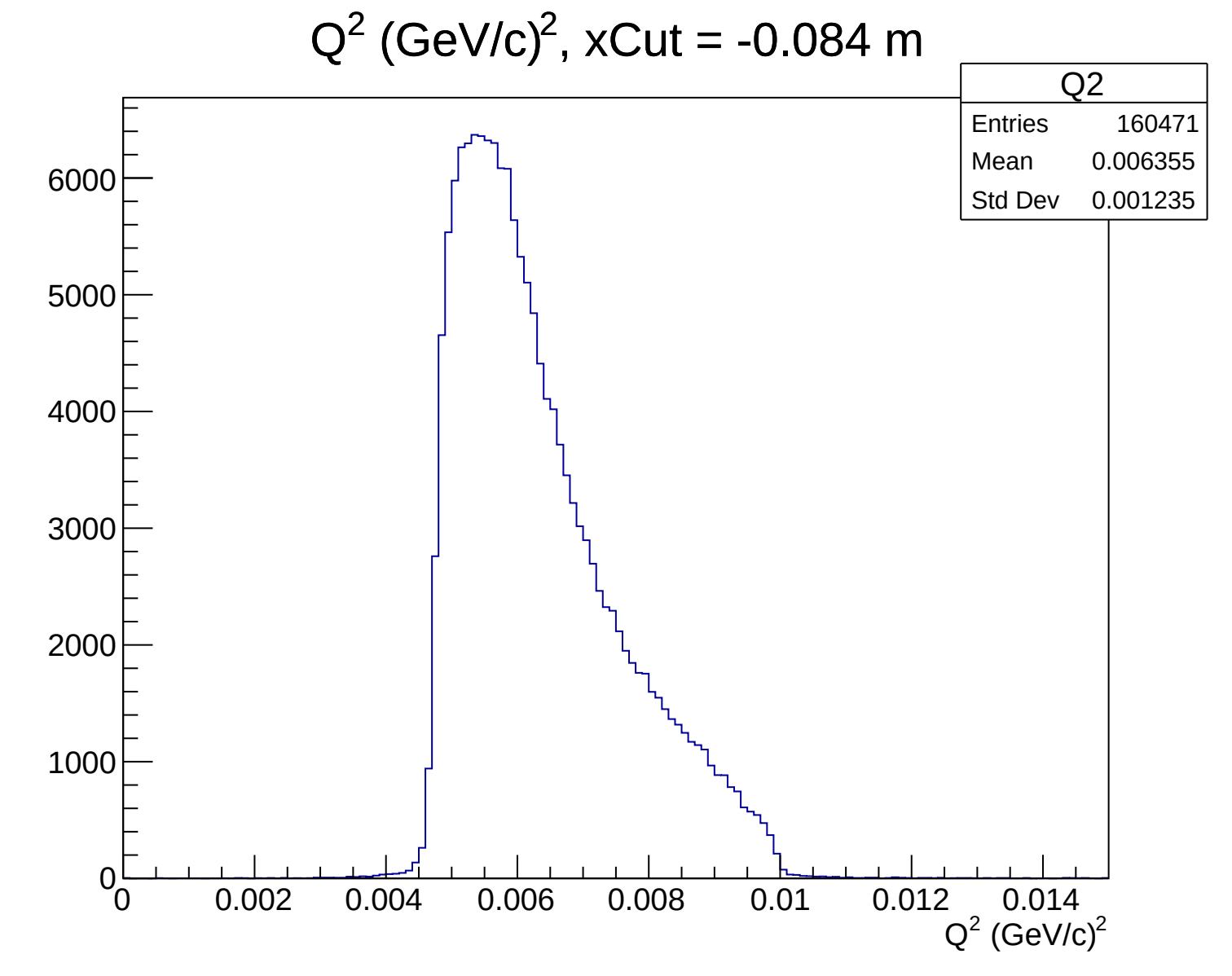

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.084
R.tr.x[0]+1.3*R.tr.th[0] (m)

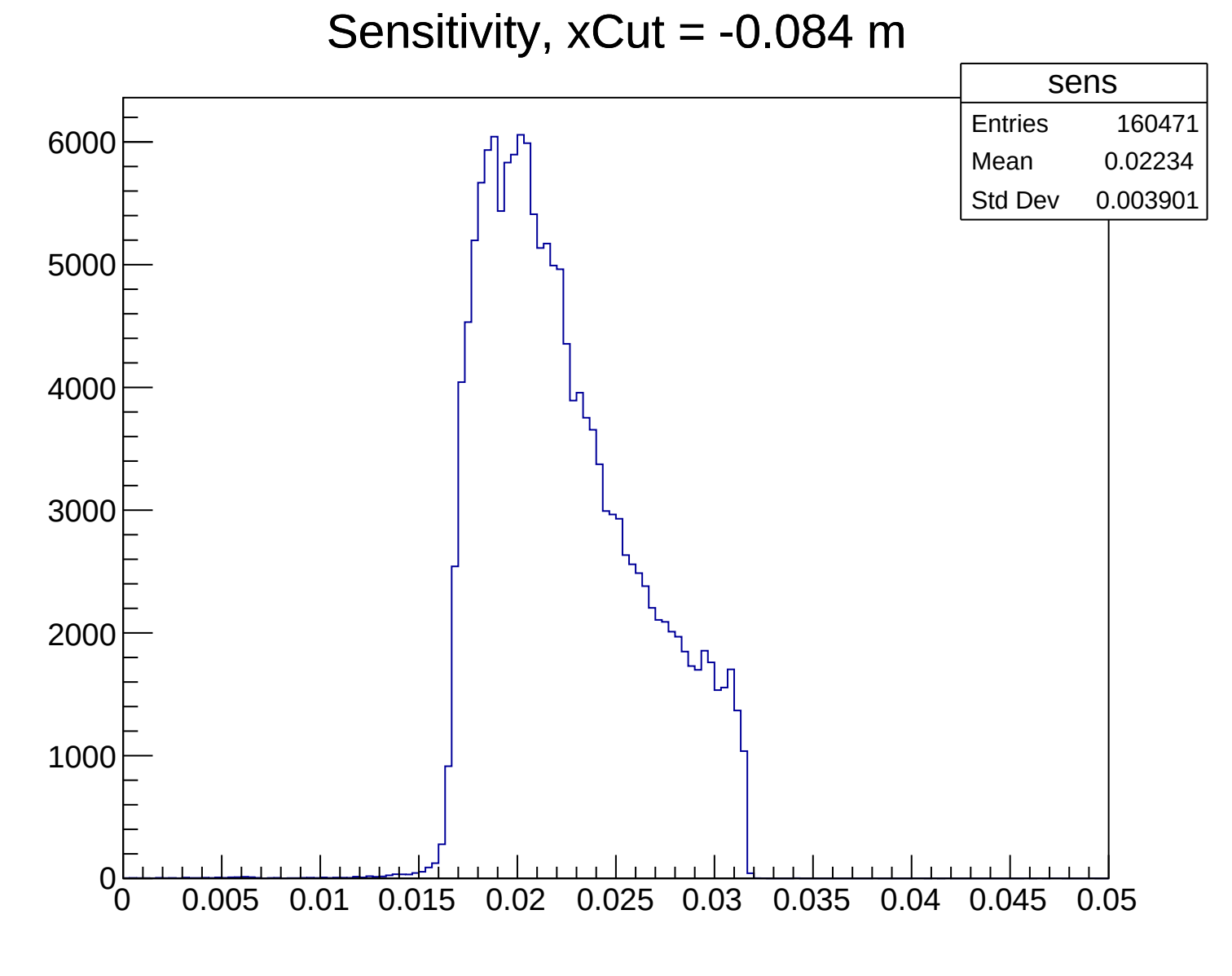

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

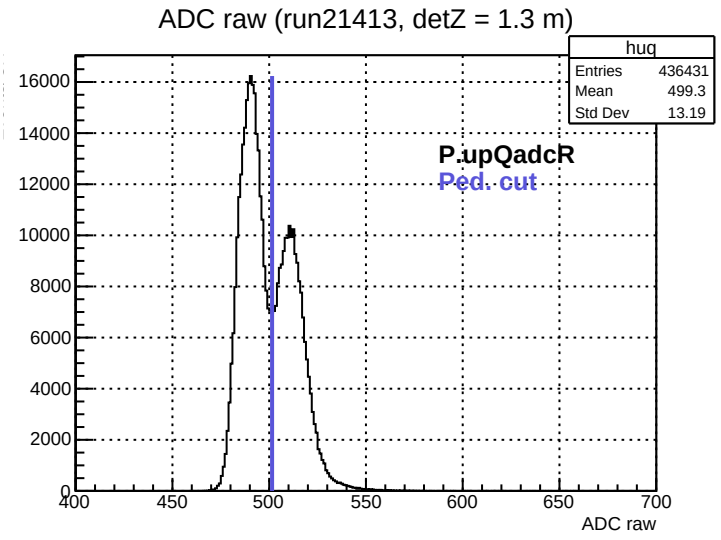

θlab (deg), xCut = -0.084 m
Theta
Entries 160471
Mean 4.796
Std Dev 0.456
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

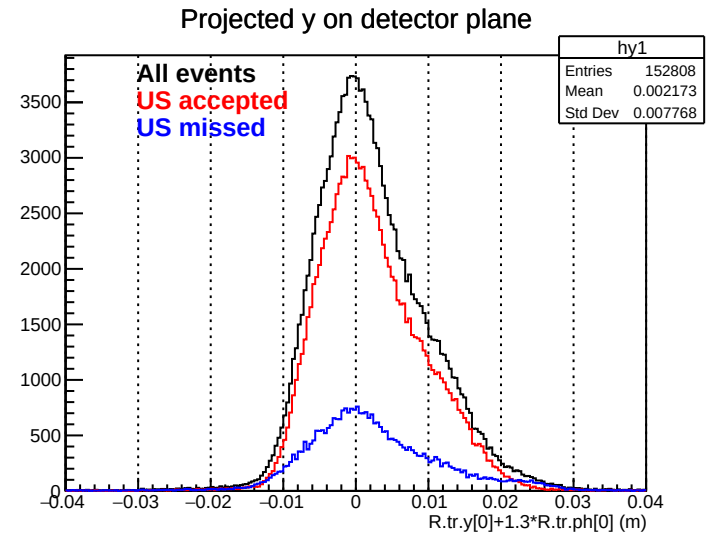

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 160471
Mean 0.5711
Std Dev 0.085
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

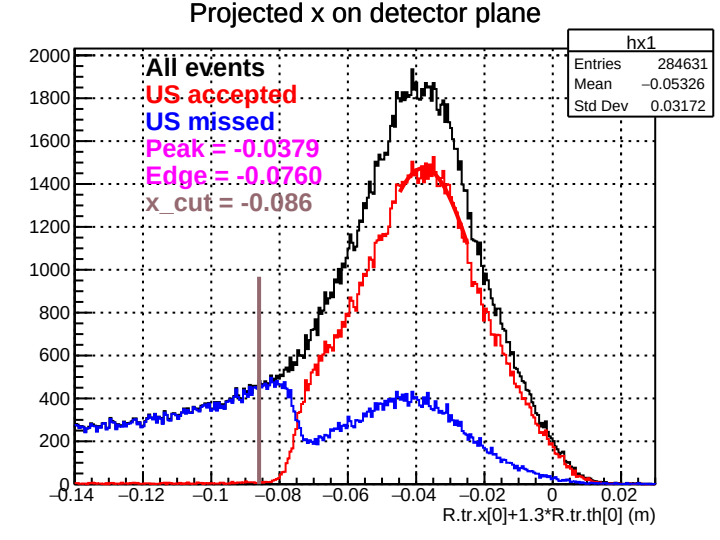

Stretched Asym. (ppm),  xCut = -0.084 m
SAsym
Entries 160471
Mean 0.558
Std Dev 0.08126
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

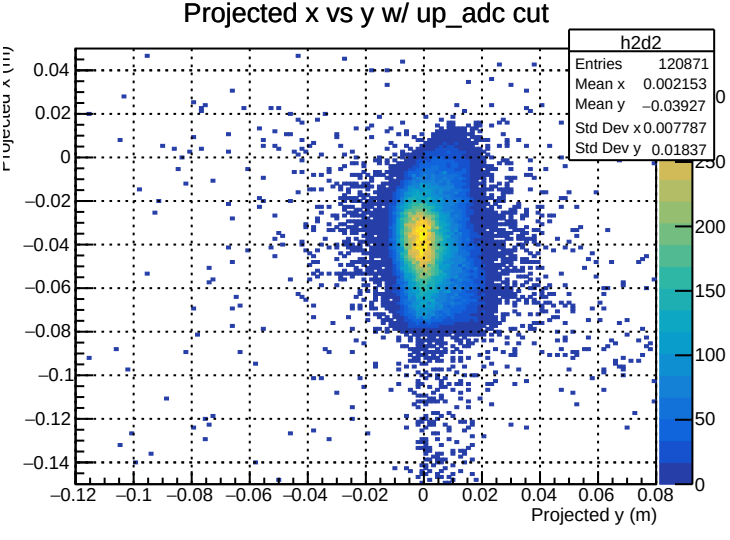

$Q^2$ (GeV/c)$^2$, xCut = -0.084 m
Q2
Entries 160471
Mean 0.006355
Std Dev 0.001235
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

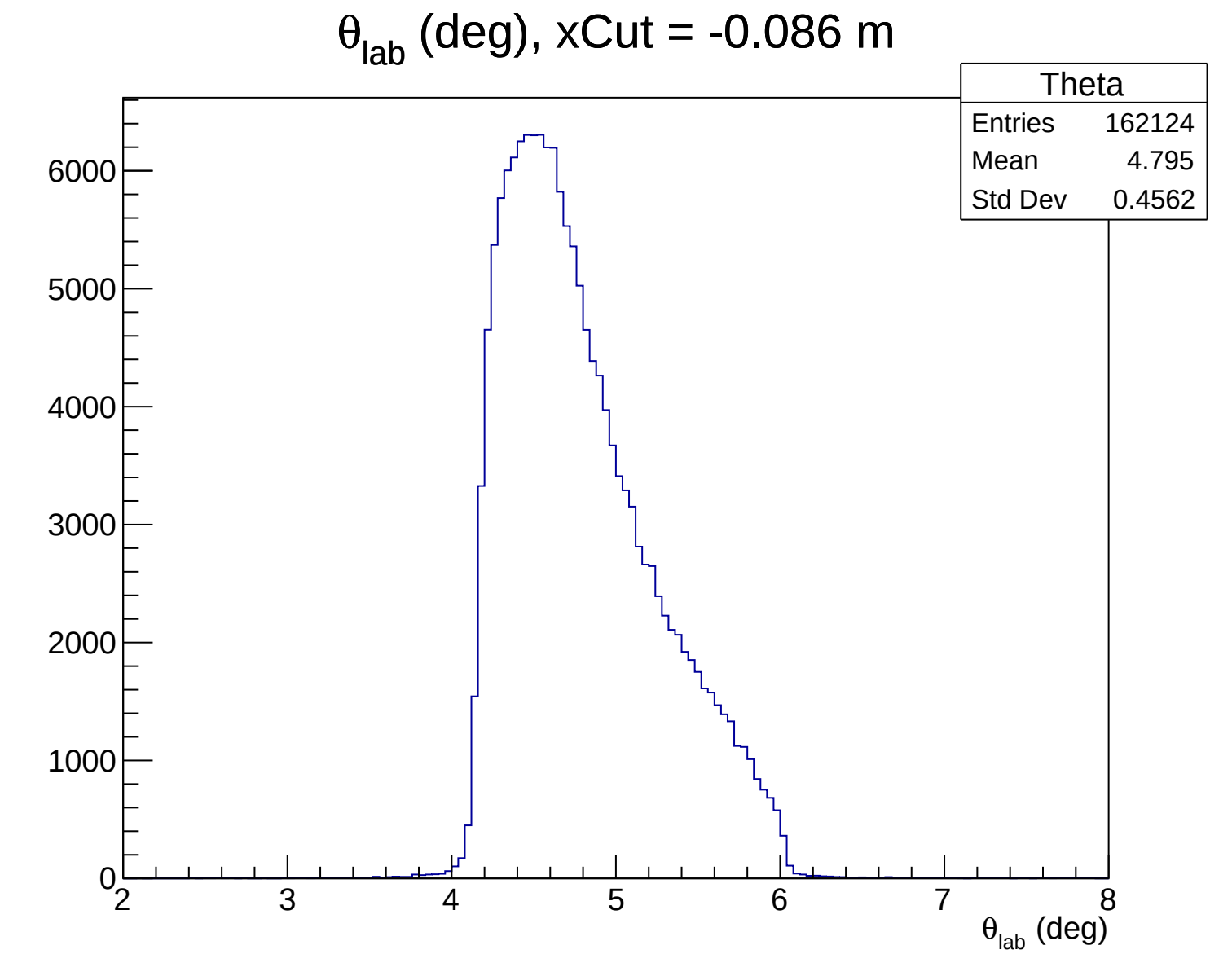

Sensitivity, xCut = -0.084 m
sens
Entries 160471
Mean 0.02234
Std Dev 0.003901
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

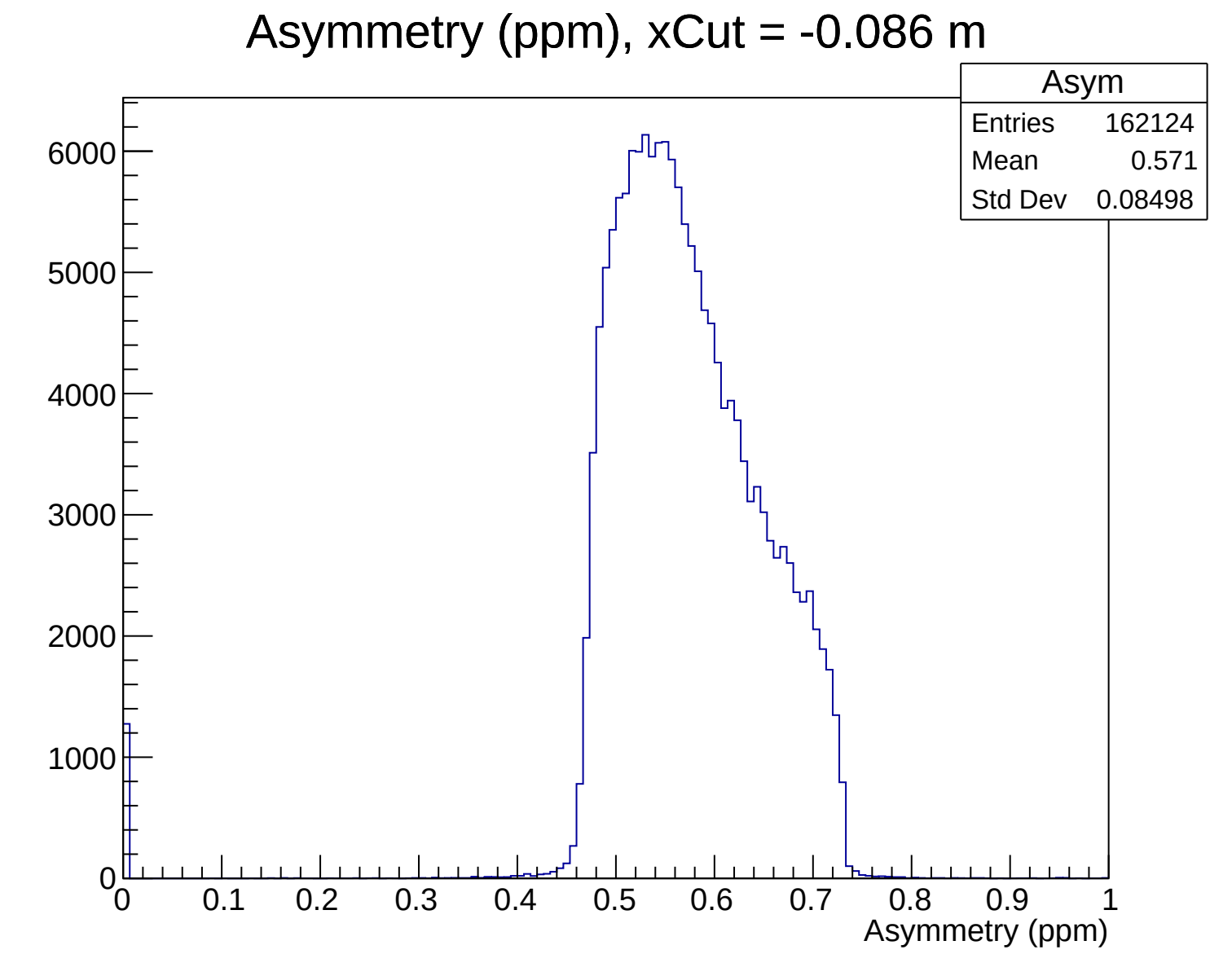

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

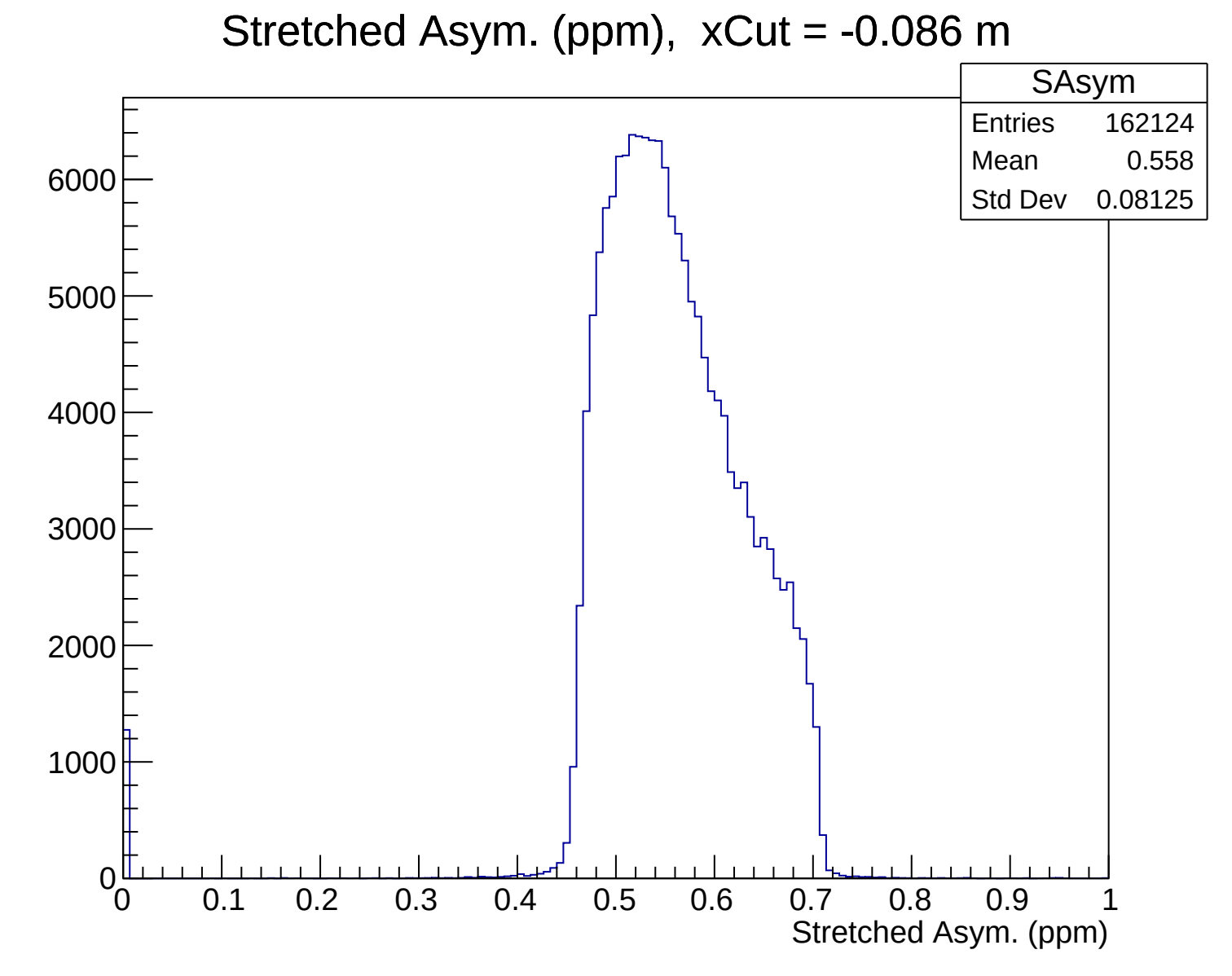

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

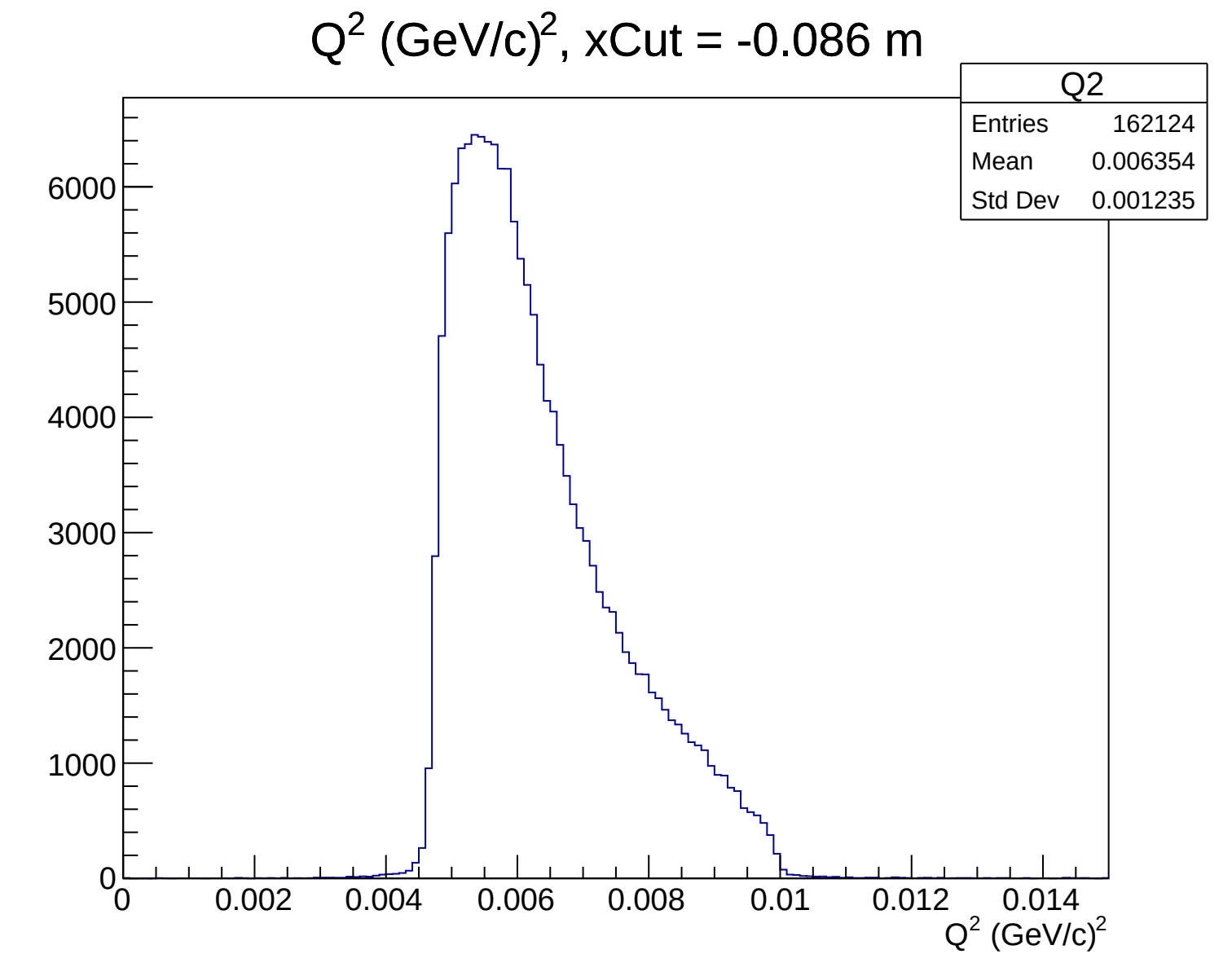

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.086
R.tr.x[0]+1.3*R.tr.th[0] (m)

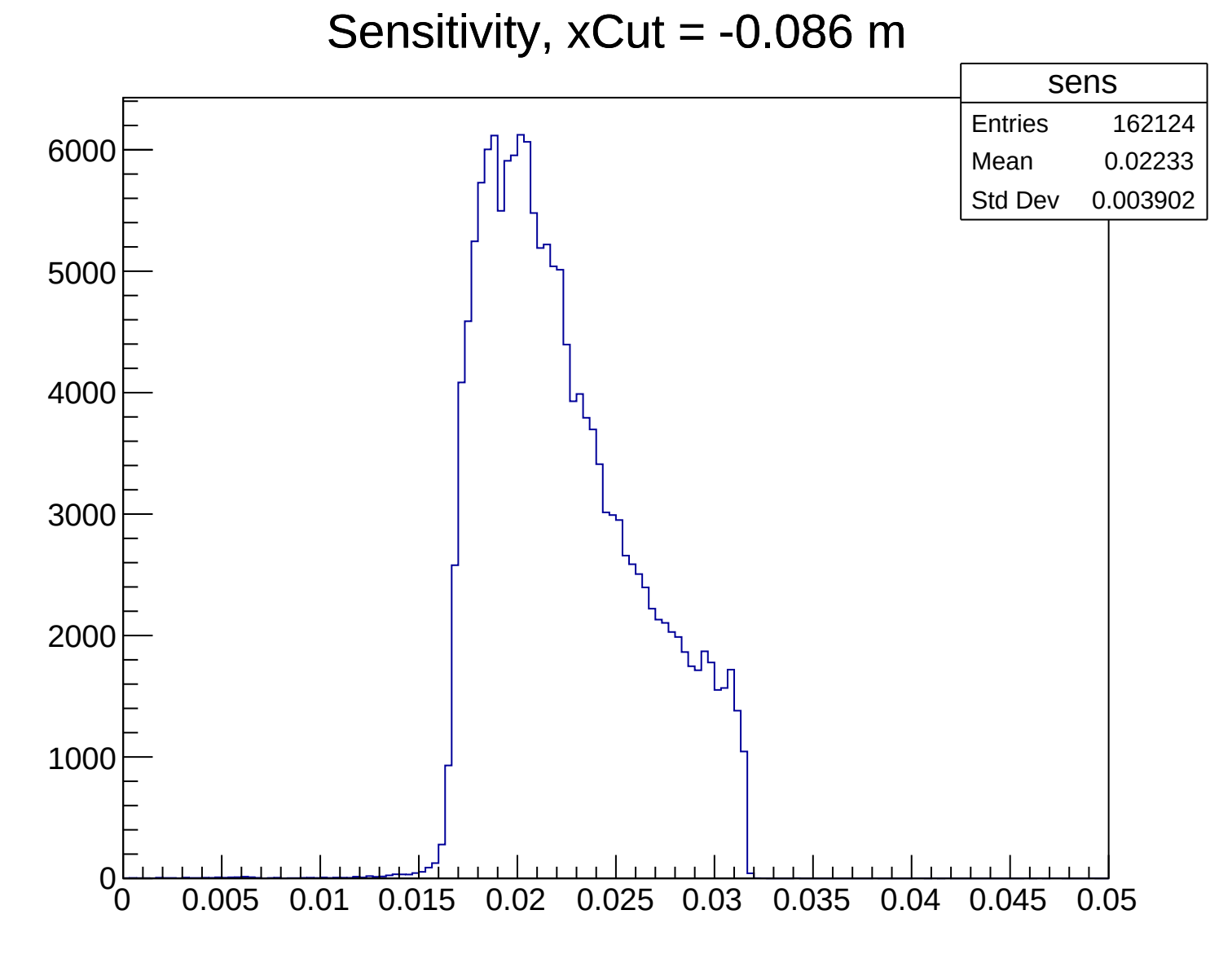

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

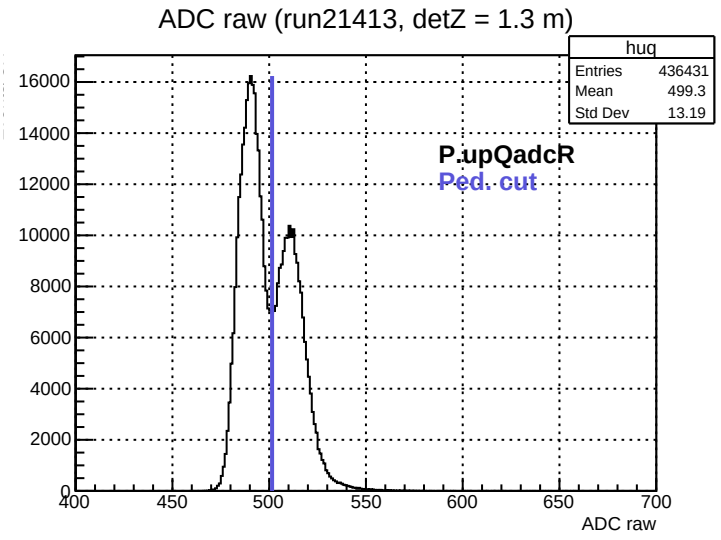

θlab (deg), xCut = -0.086 m
Theta
Entries 162124
Mean 4.795
Std Dev 0.4562
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

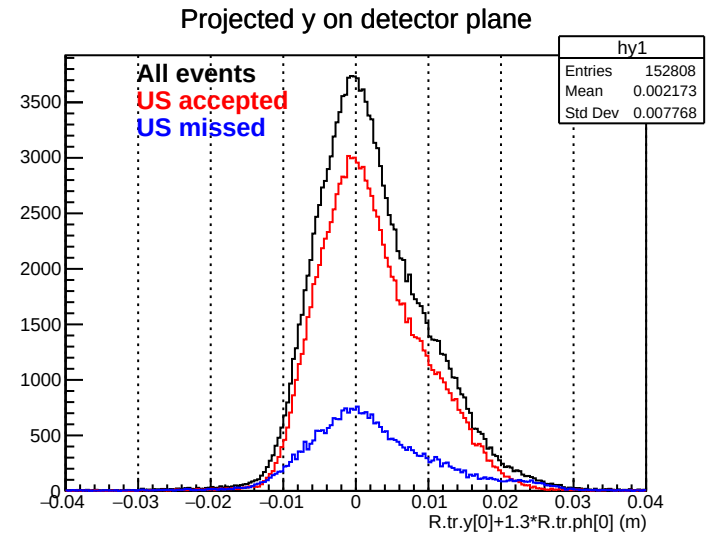

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 162124
Mean 0.571
Std Dev 0.08498
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

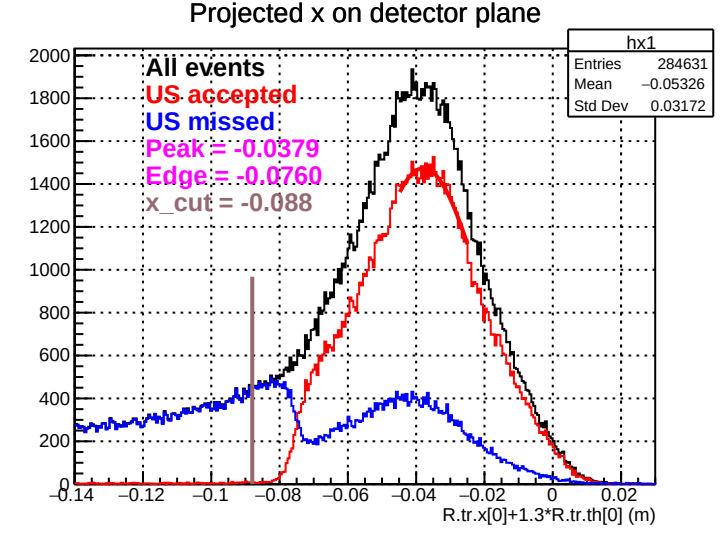

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 162124
Mean 0.558
Std Dev 0.08125
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

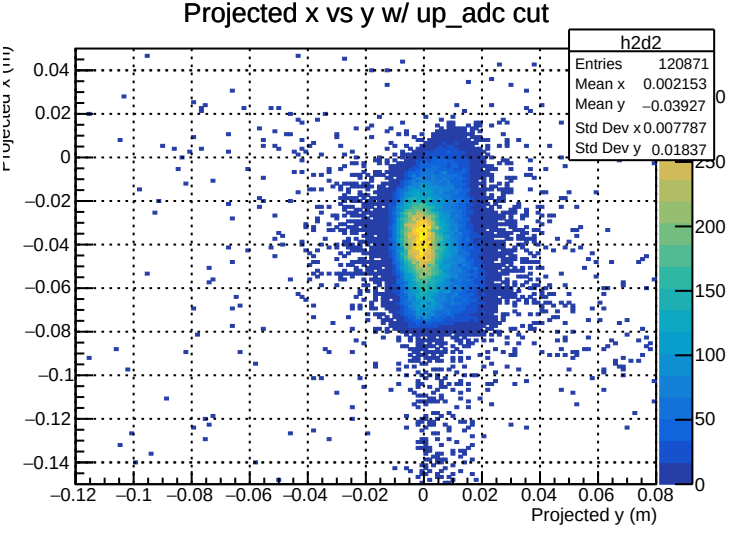

$Q^2$ (GeV/c)$^2$, xCut = -0.086 m
Q2
Entries 162124
Mean 0.006354
Std Dev 0.001235
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

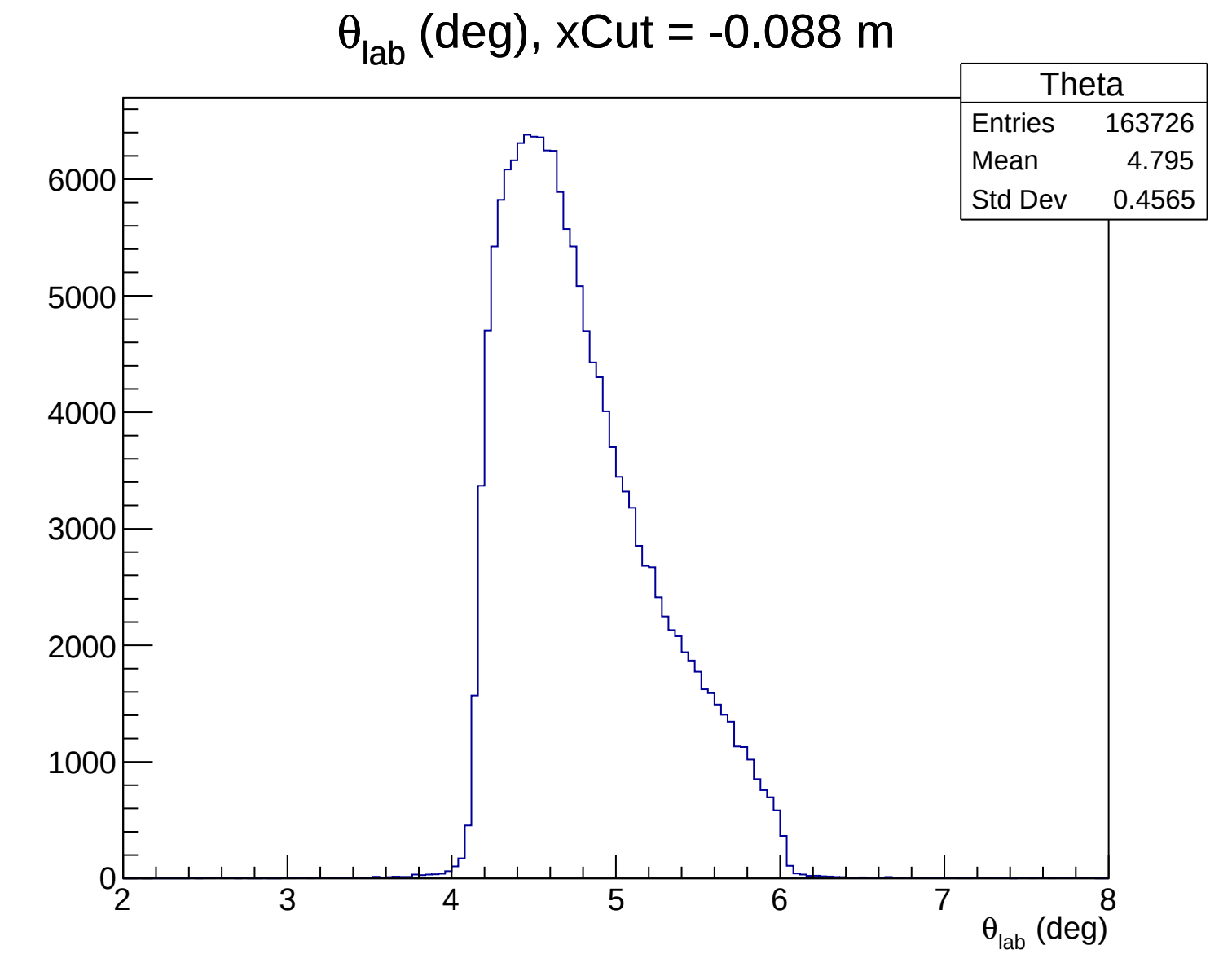

Sensitivity, xCut = -0.086 m
sens
Entries 162124
Mean 0.02233
Std Dev 0.003902
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

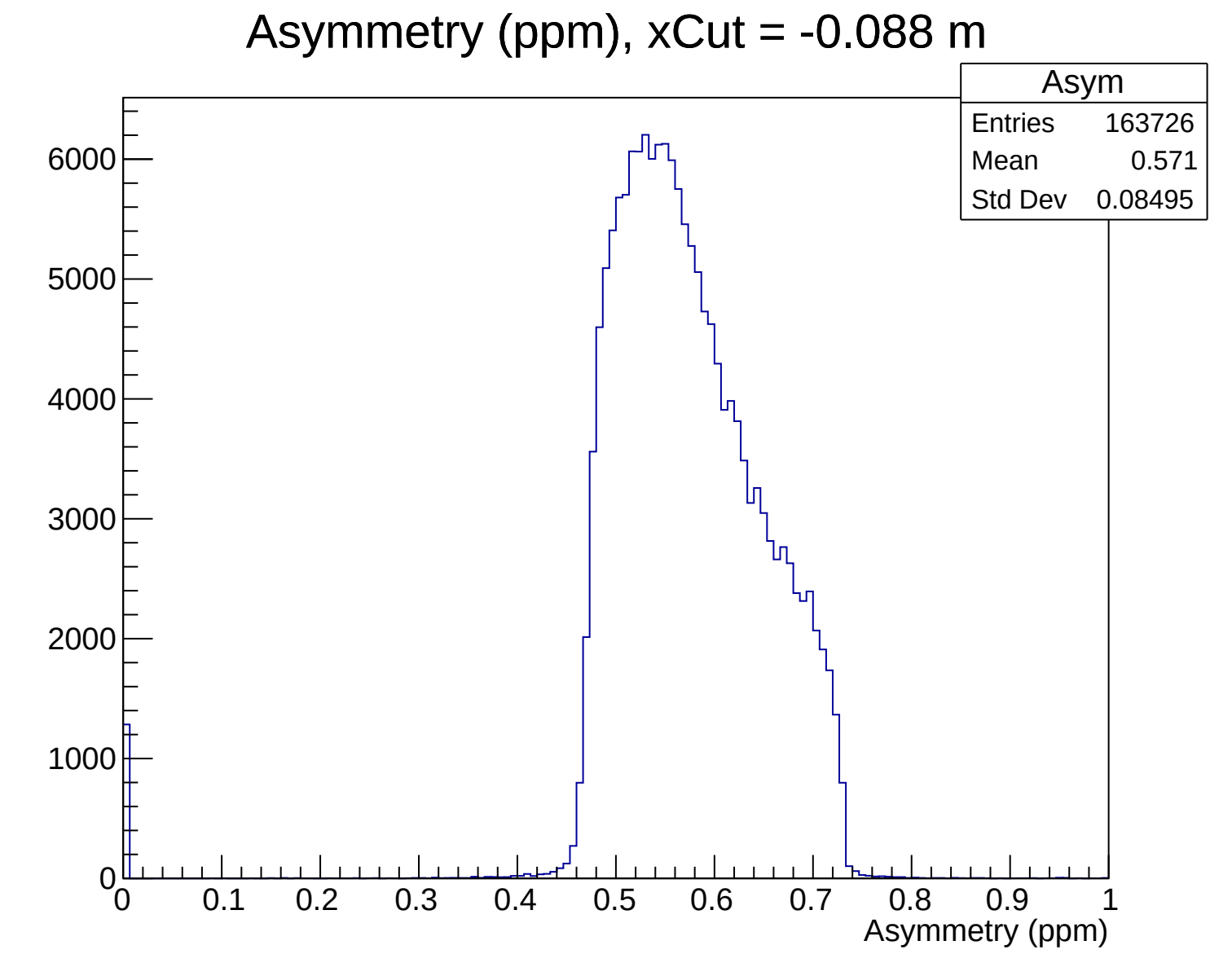

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

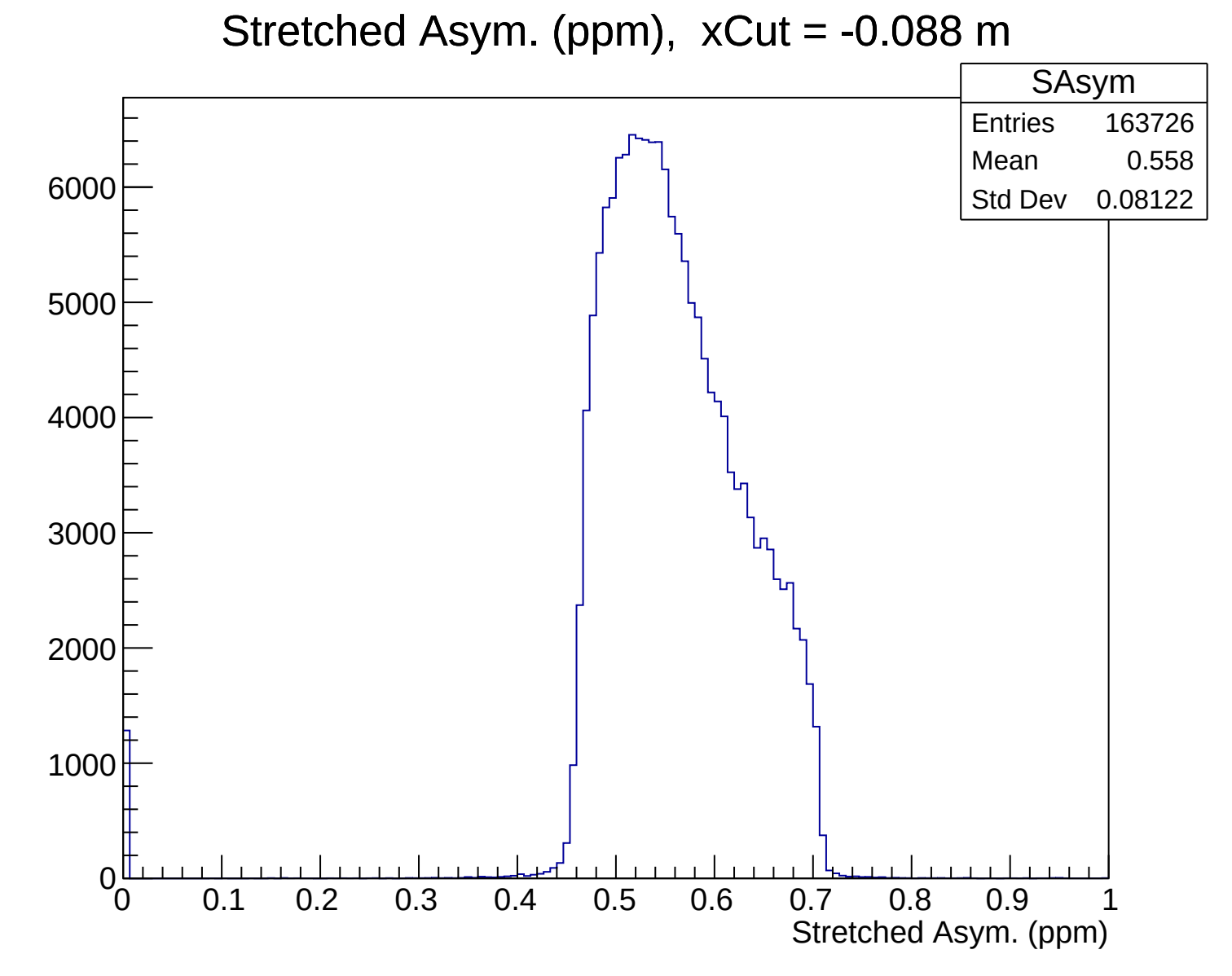

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

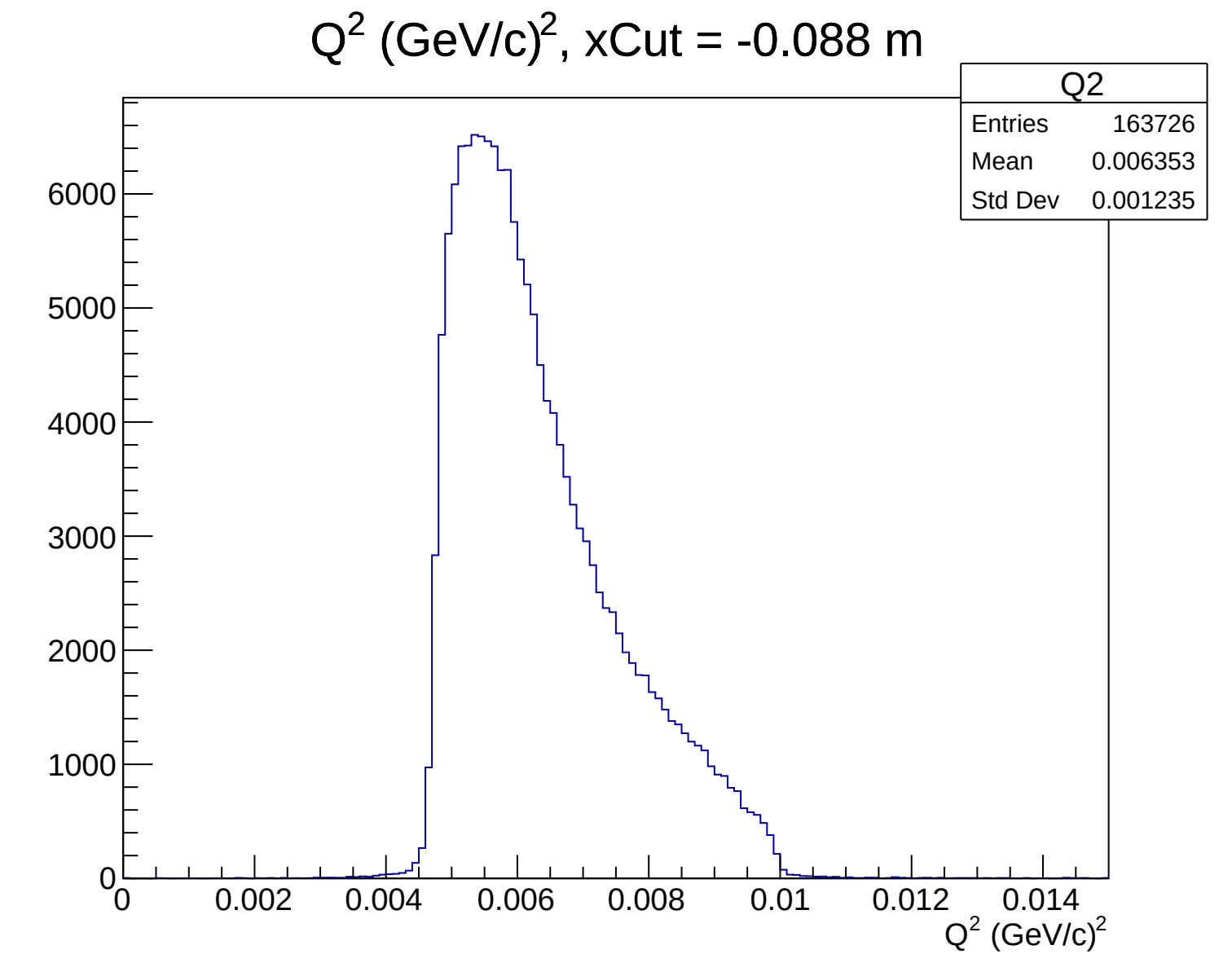

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.088
R.tr.x[0]+1.3*R.tr.th[0] (m)

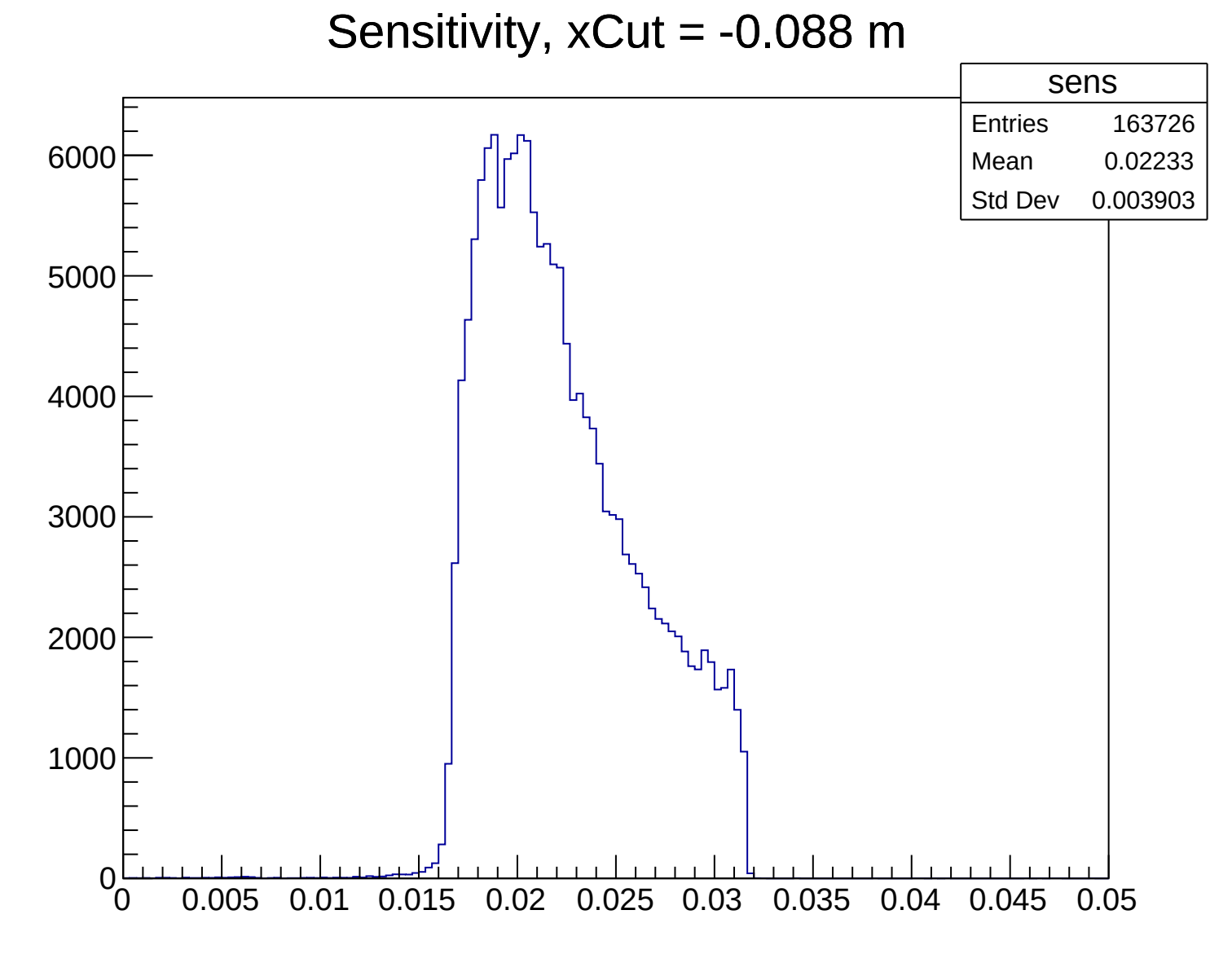

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

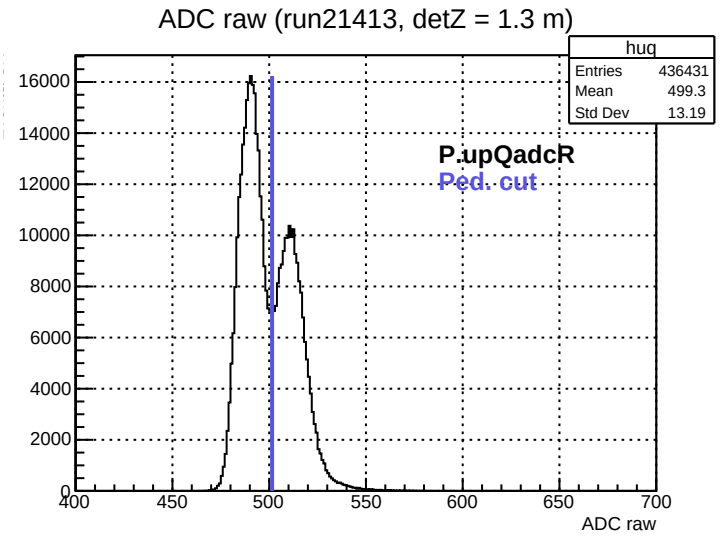

θlab (deg), xCut = -0.088 m
Theta
Entries 163726
Mean 4.795
Std Dev 0.4565
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

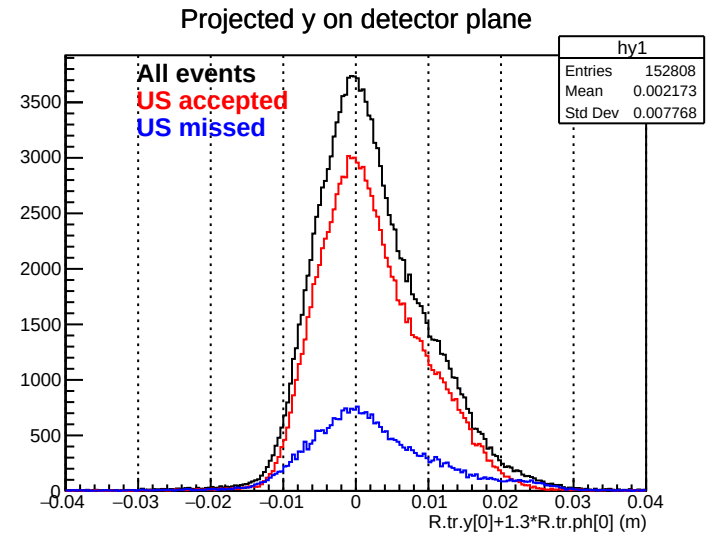

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 163726
Mean 0.571
Std Dev 0.08495
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

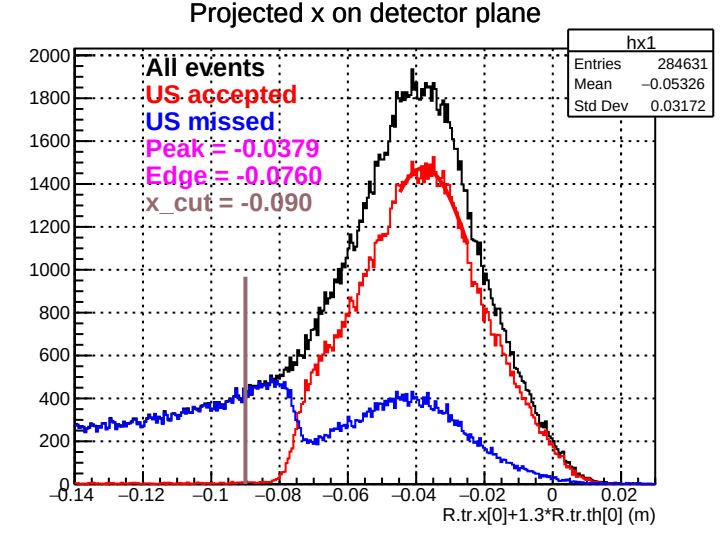

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 163726
Mean 0.558
Std Dev 0.08122
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

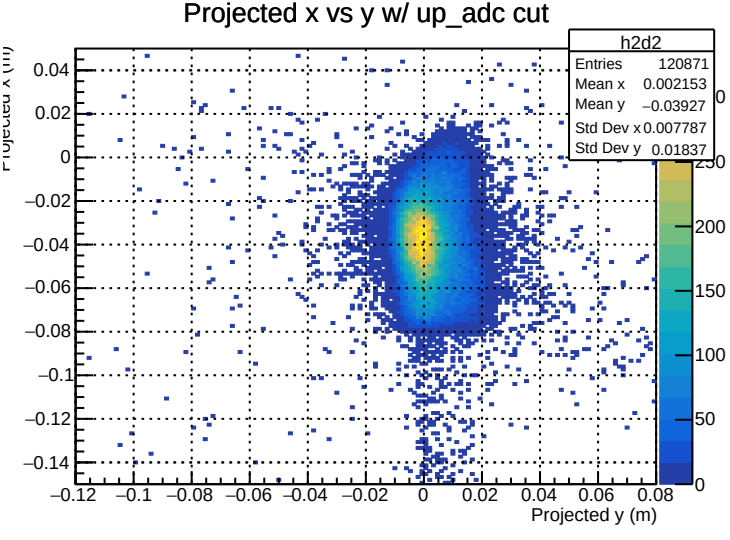

$Q^2$ (GeV/c)$^2$, xCut = -0.088 m
Q2
Entries 163726
Mean 0.006353
Std Dev 0.001235
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

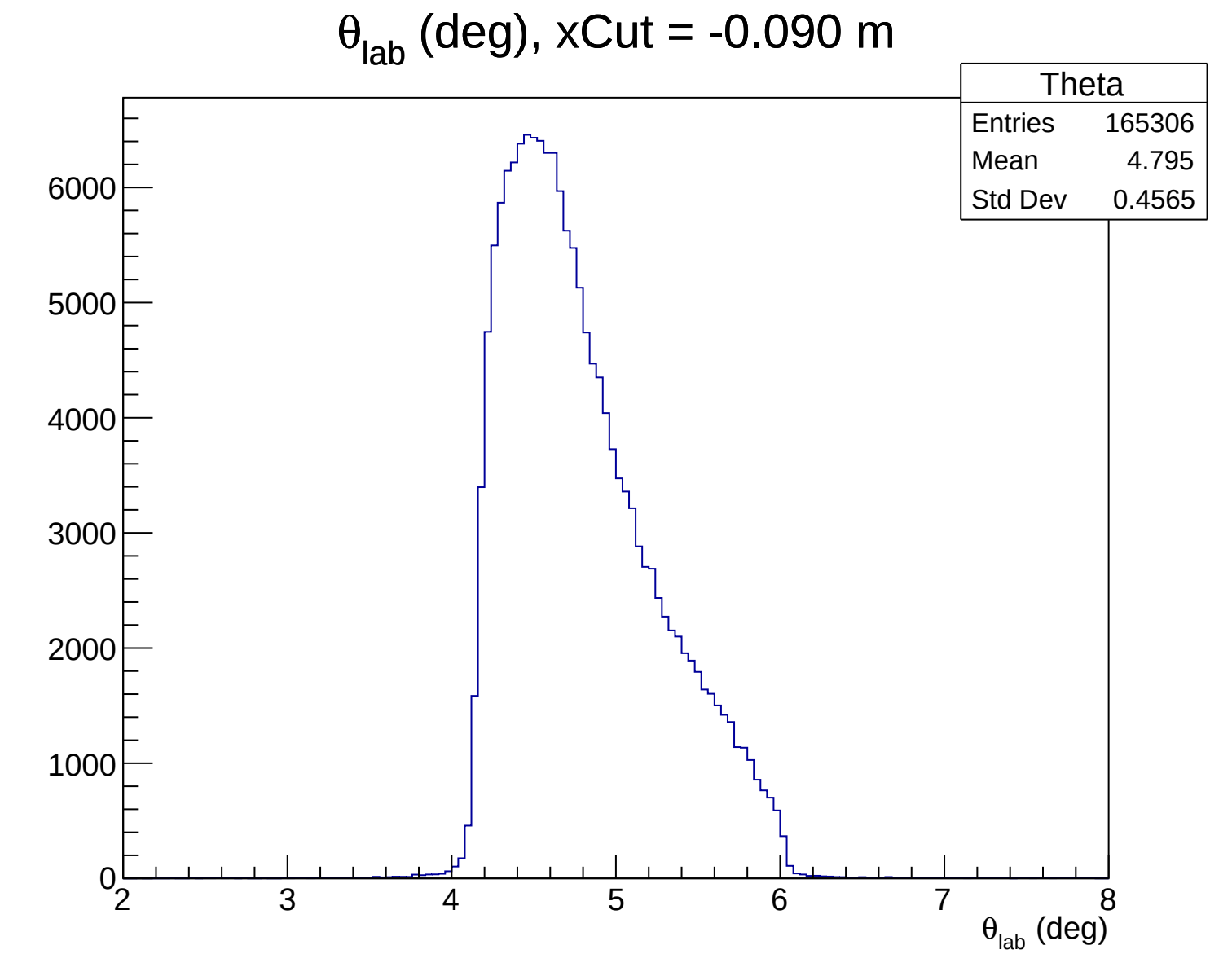

Sensitivity, xCut = -0.088 m
sens
Entries 163726
Mean 0.02233
Std Dev 0.003903
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

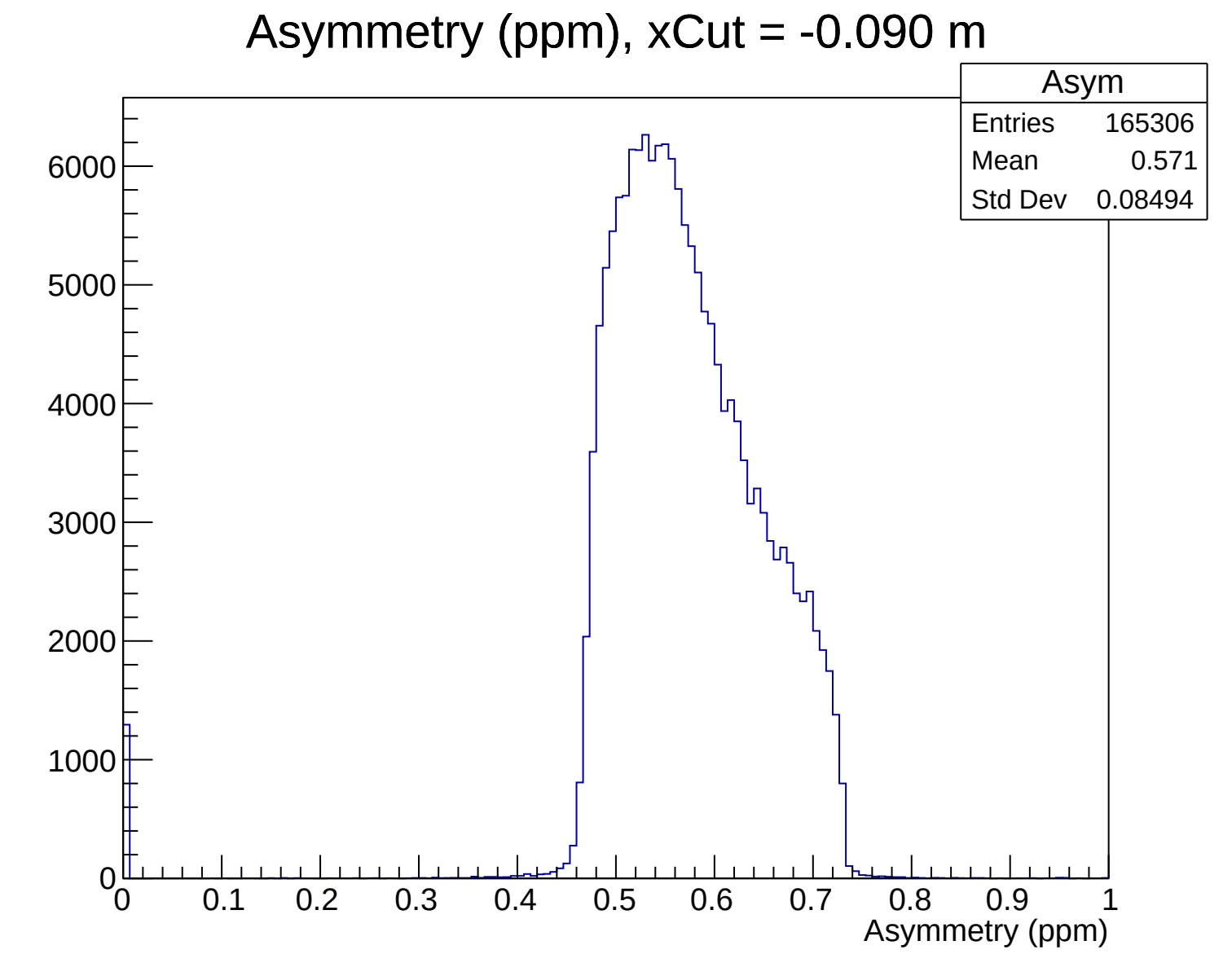

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

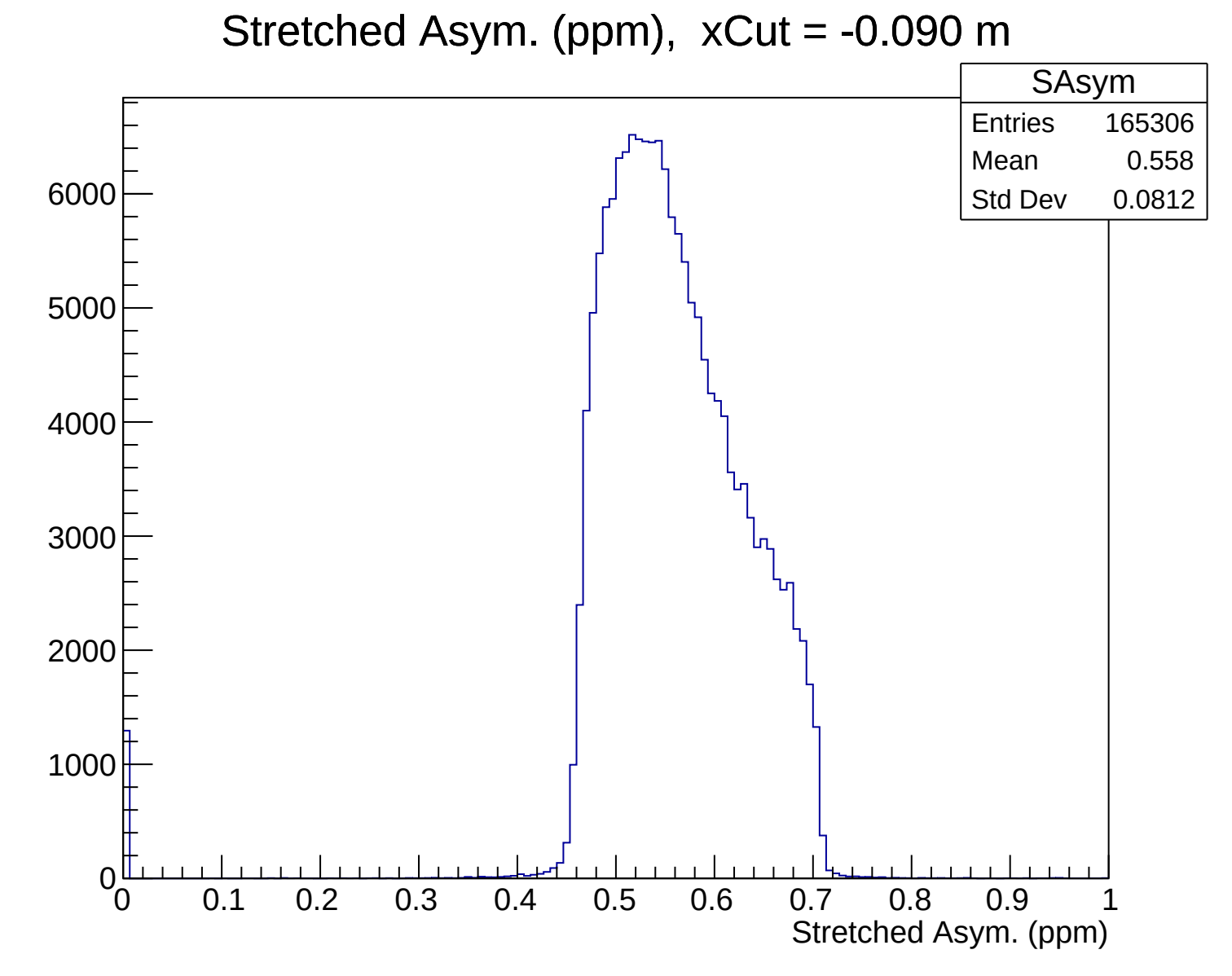

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

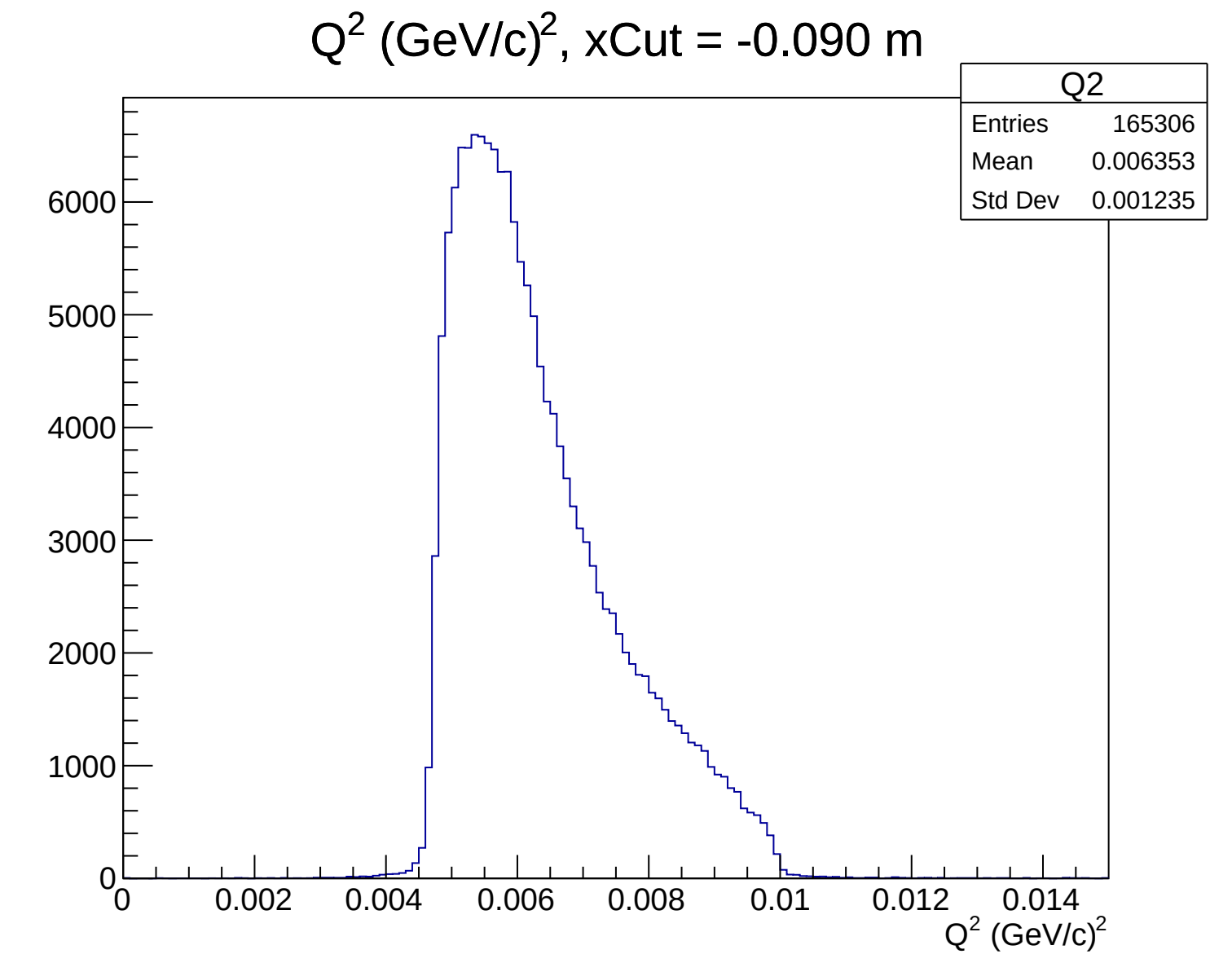

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.090
R.tr.x[0]+1.3*R.tr.th[0] (m)

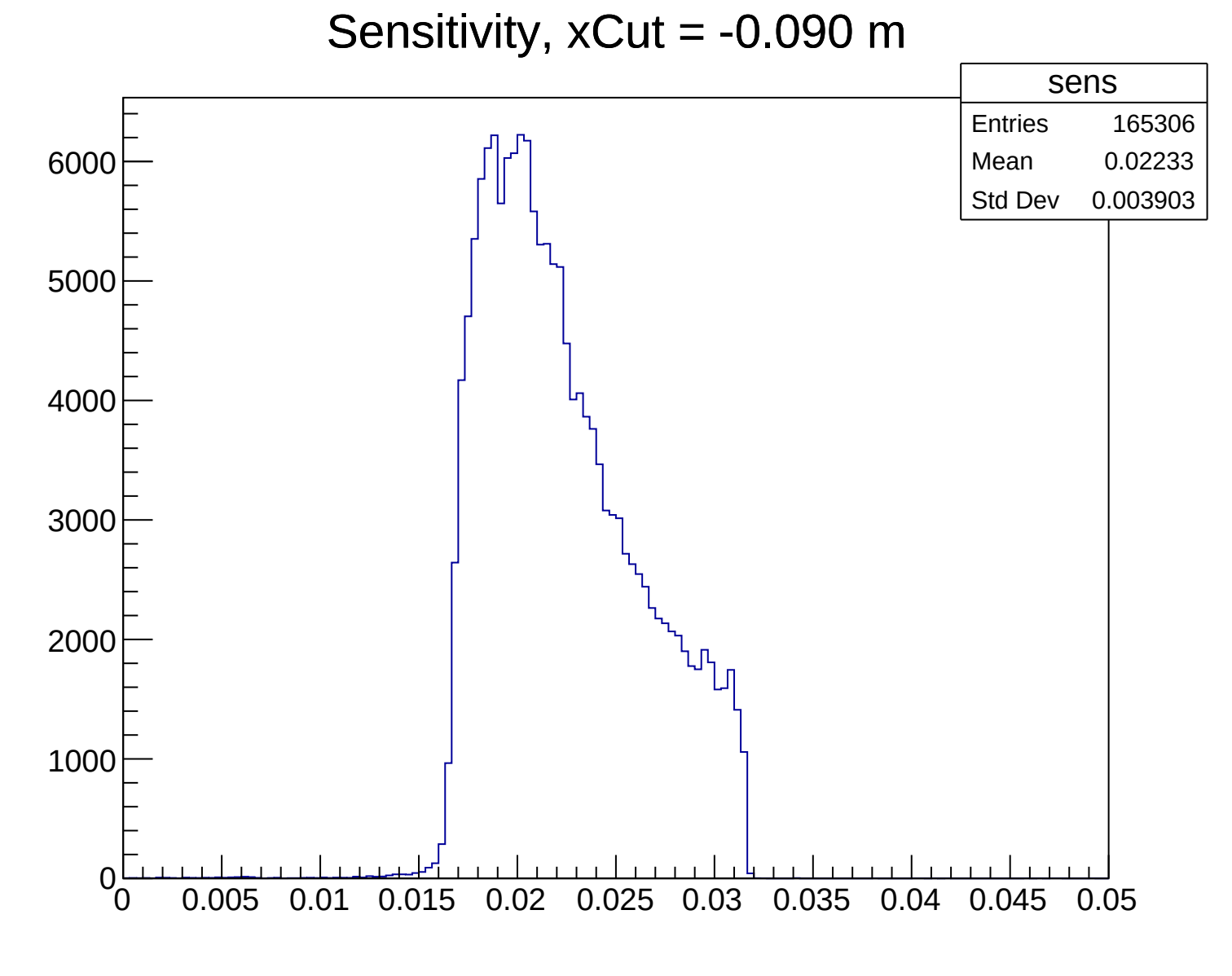

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

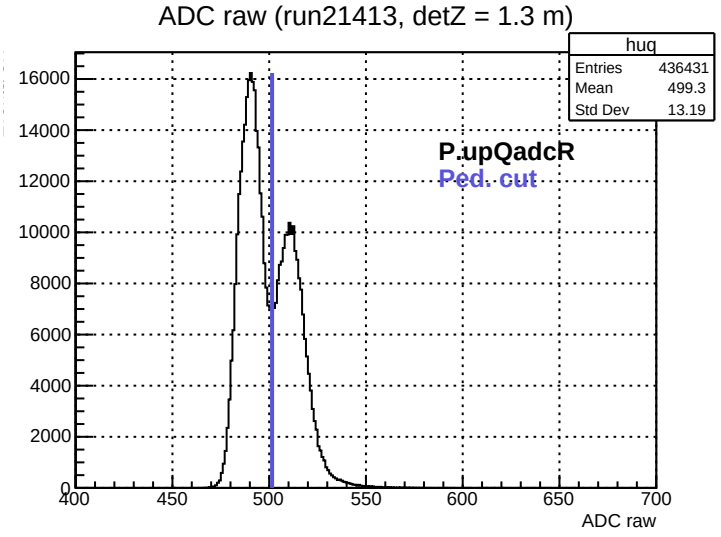

θlab (deg), xCut = -0.090 m
Theta
Entries 165306
Mean 4.795
Std Dev 0.4565
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

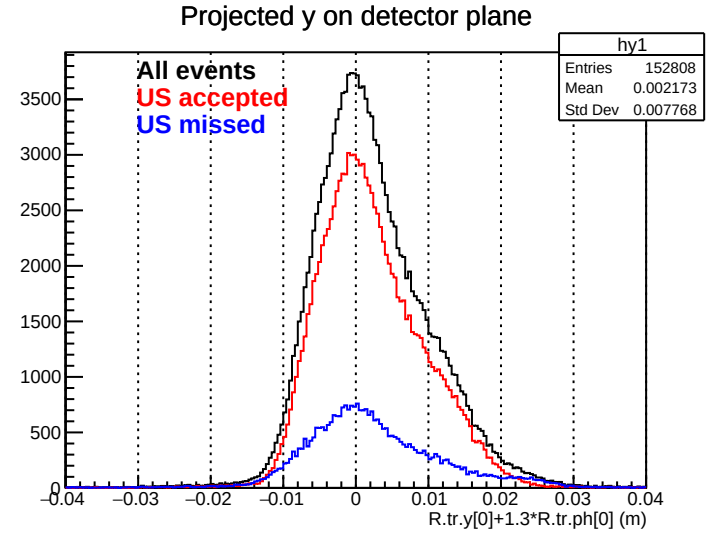

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 165306
Mean 0.571
Std Dev 0.08494
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

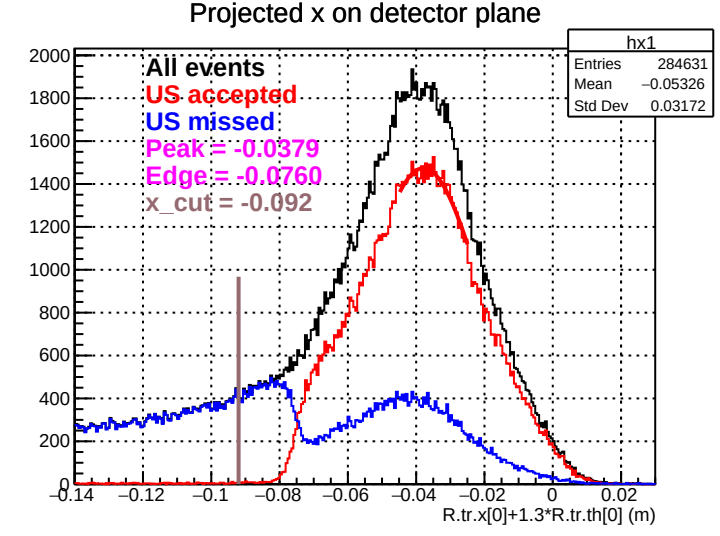

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 165306
Mean 0.558
Std Dev 0.0812
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

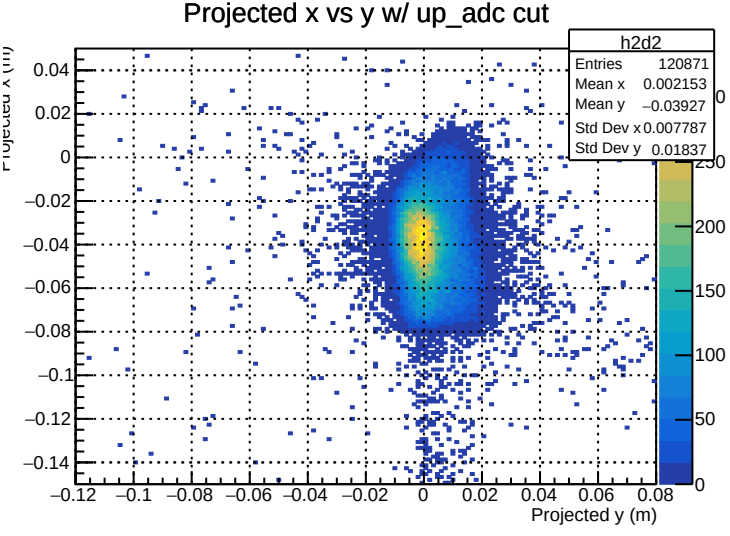

$Q^2$ (GeV/c)$^2$, xCut = -0.090 m
Q2
Entries 165306
Mean 0.006353
Std Dev 0.001235
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

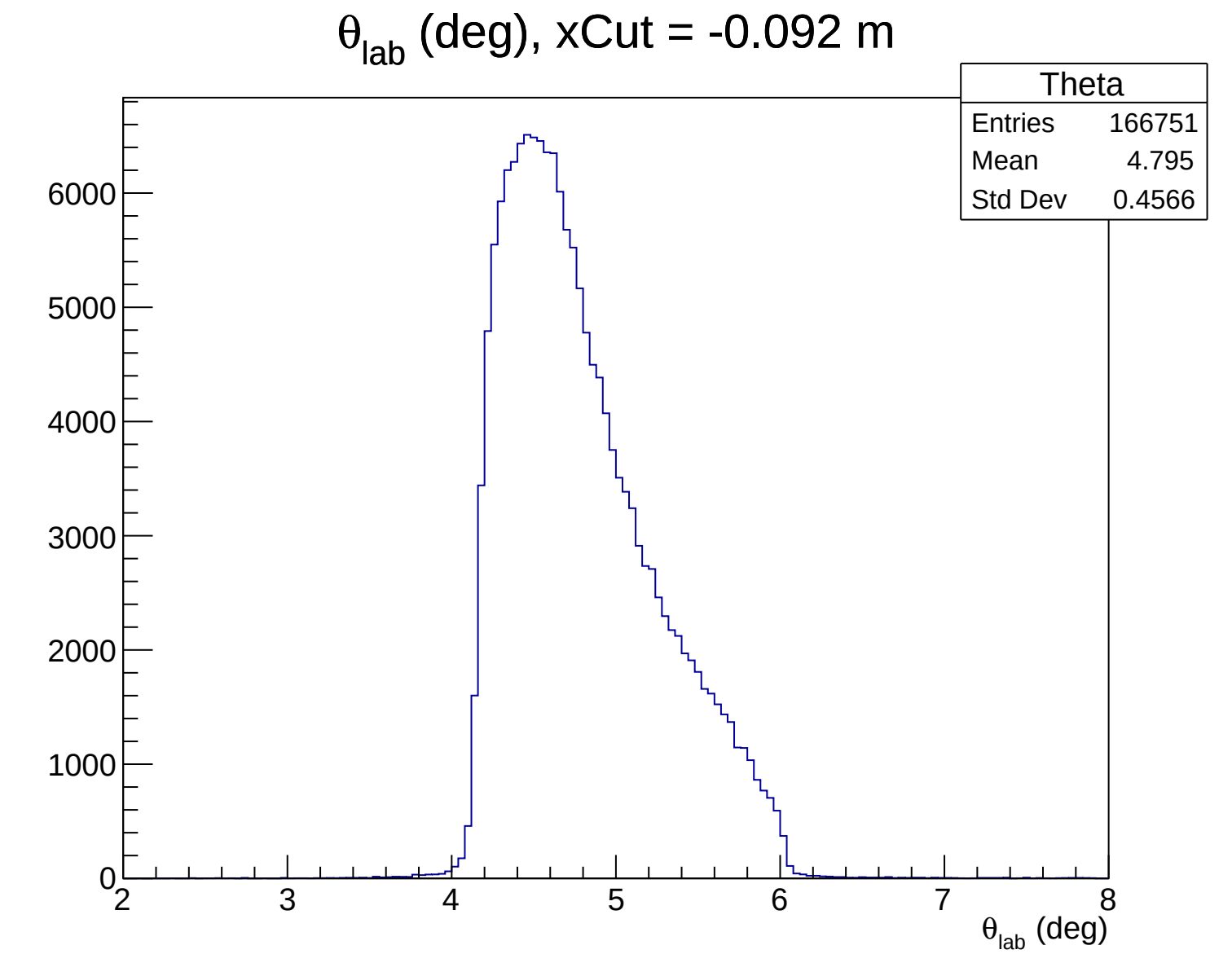

Sensitivity, xCut = -0.090 m
sens
Entries 165306
Mean 0.02233
Std Dev 0.003903
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

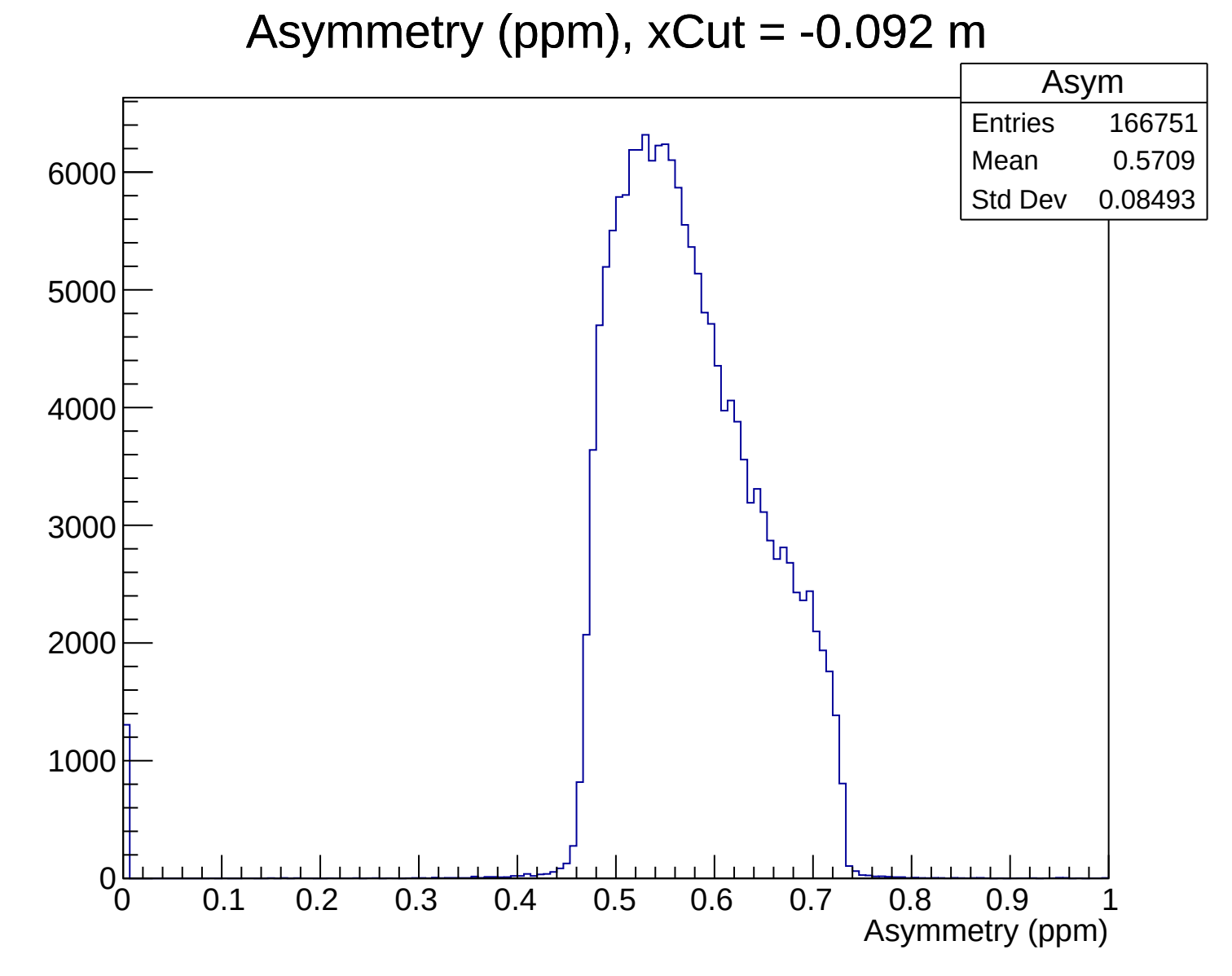

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

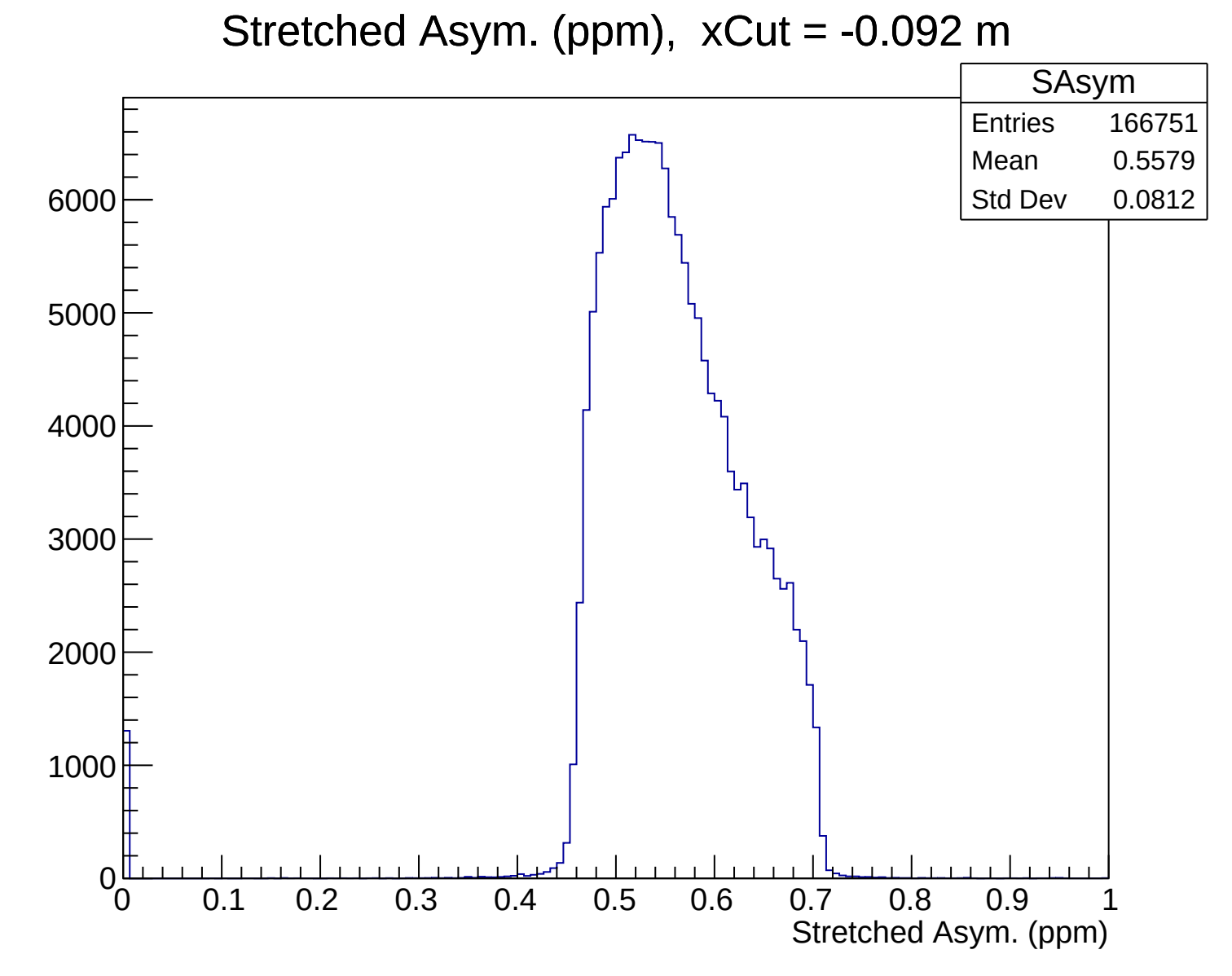

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

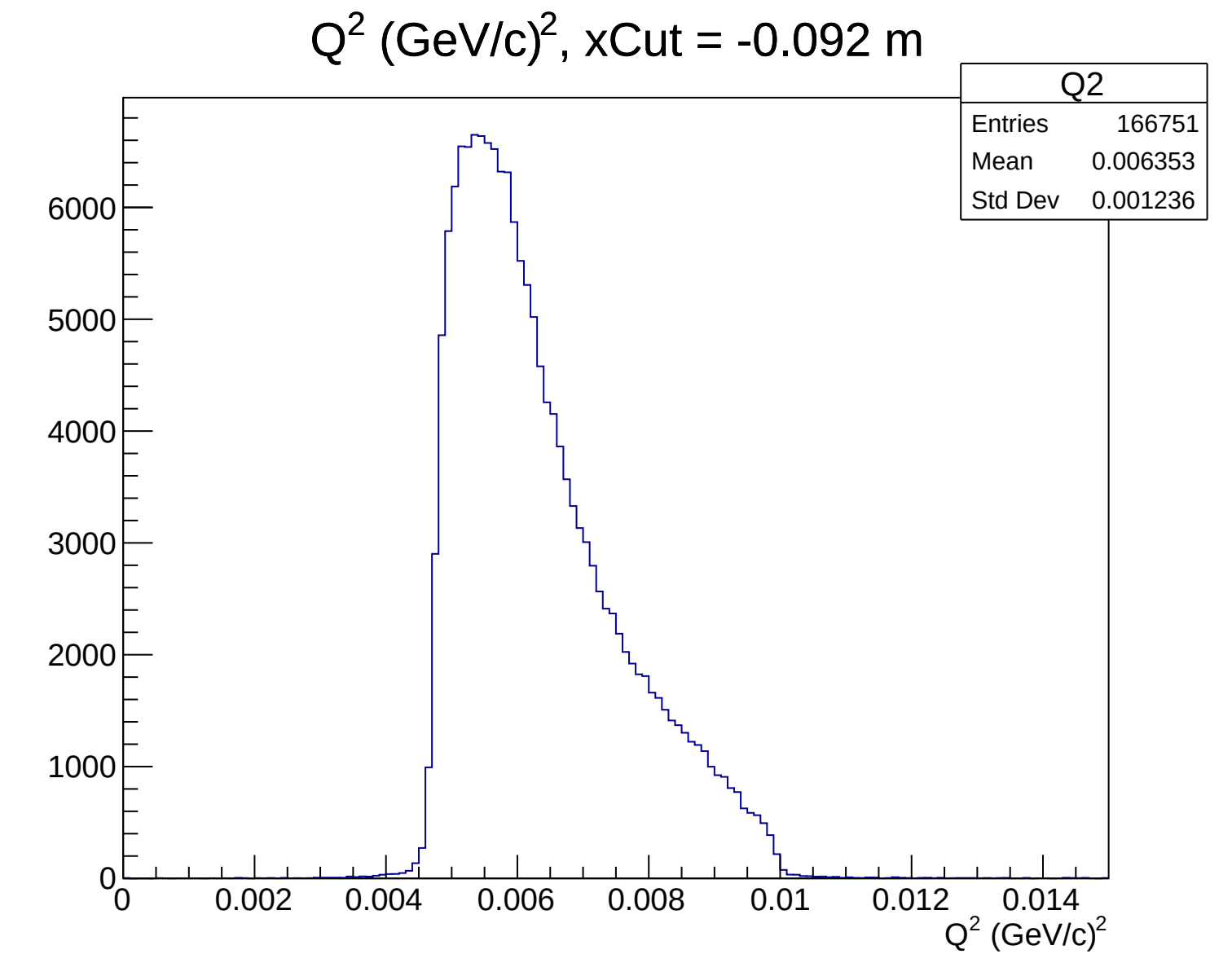

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.092
R.tr.x[0]+1.3*R.tr.th[0] (m)

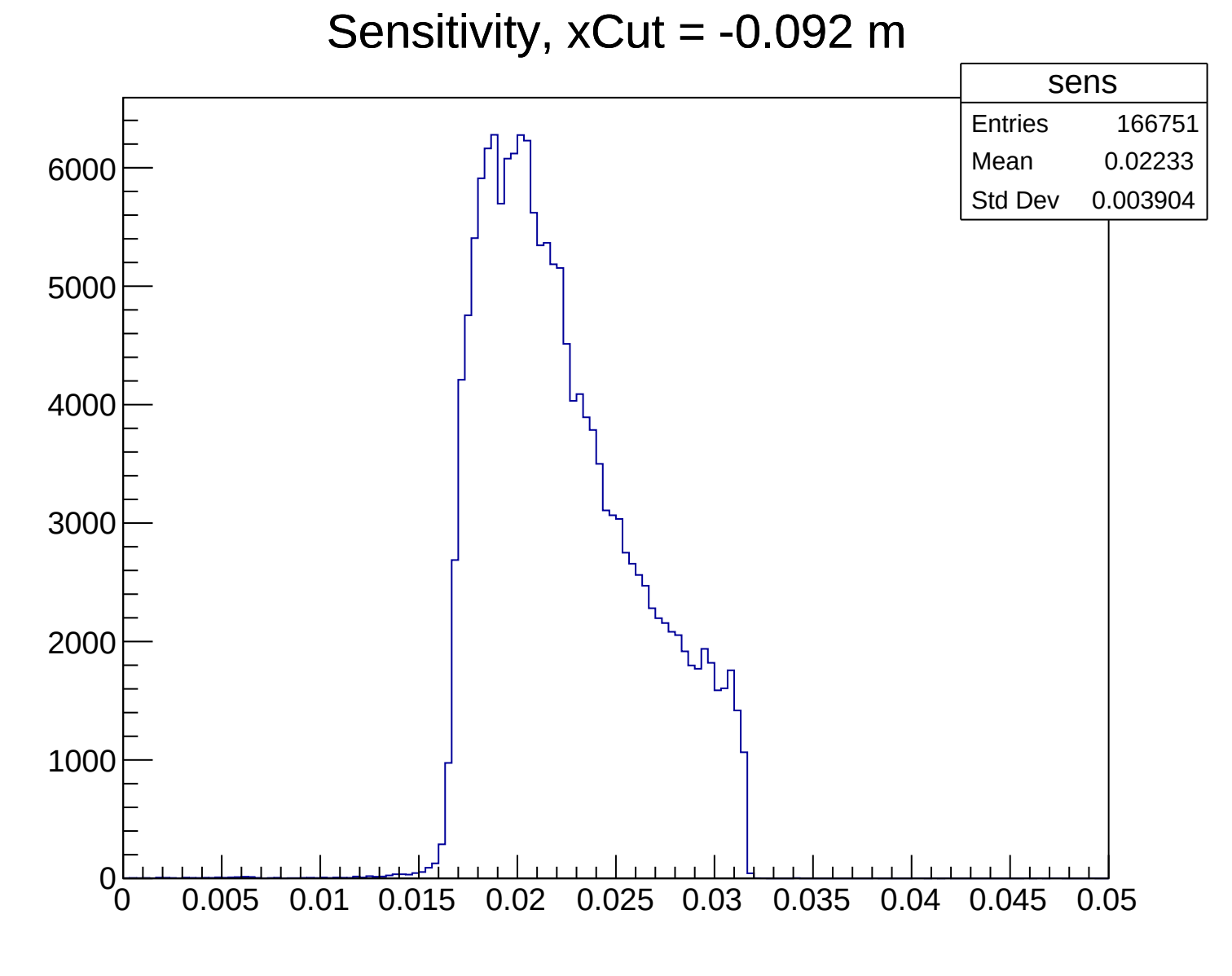

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

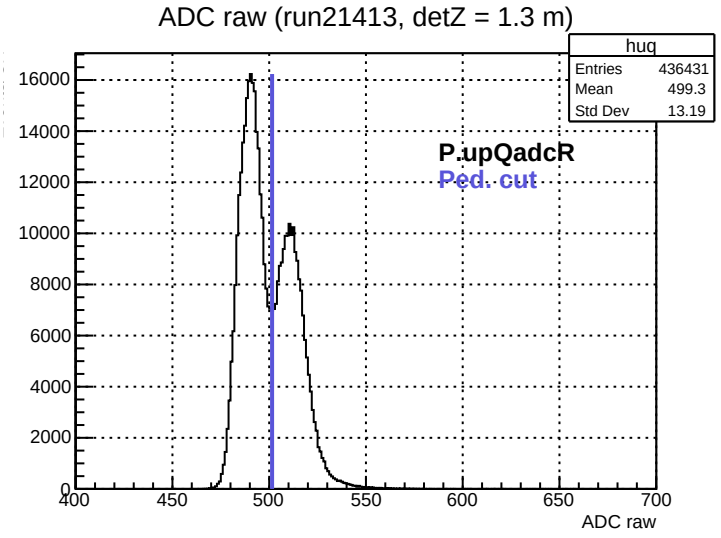

θlab (deg), xCut = -0.092 m
Theta
Entries 166751
Mean 4.795
Std Dev 0.4566
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

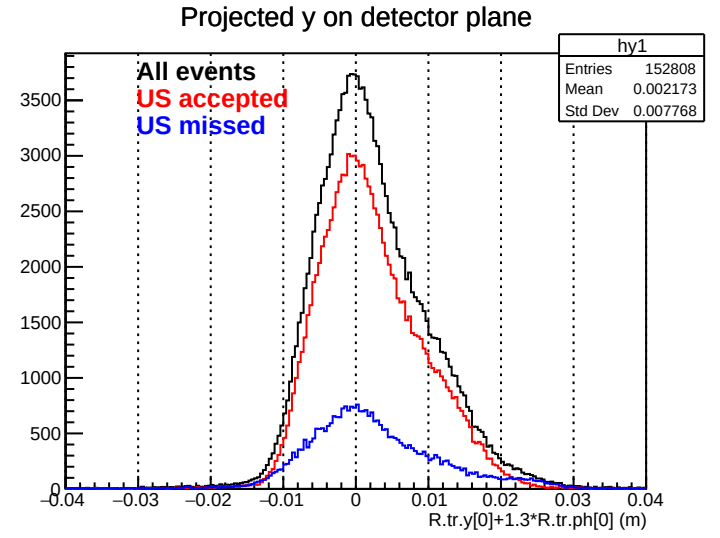

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 166751
Mean 0.5709
Std Dev 0.08493
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

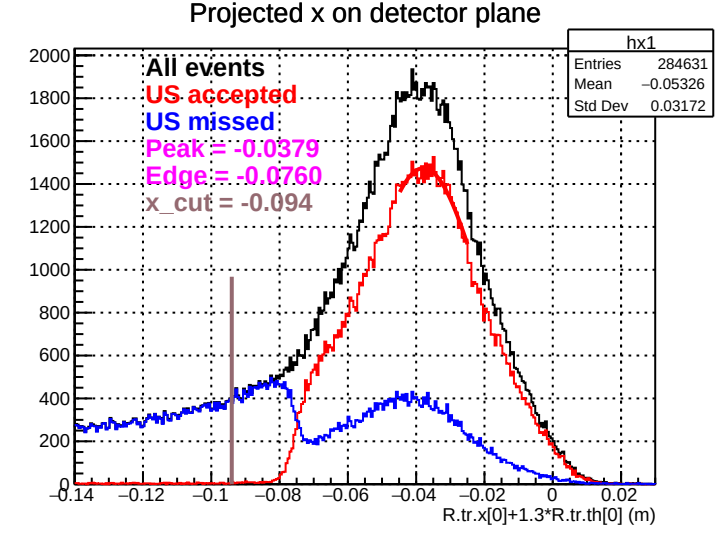

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 166751
Mean 0.5579
Std Dev 0.0812
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

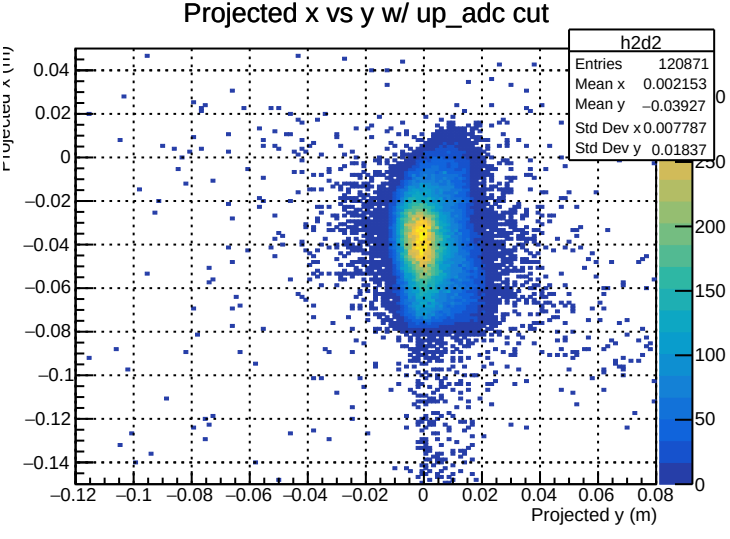

$Q^2$ (GeV/c)$^2$, xCut = -0.092 m
Q2
Entries 166751
Mean 0.006353
Std Dev 0.001236
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

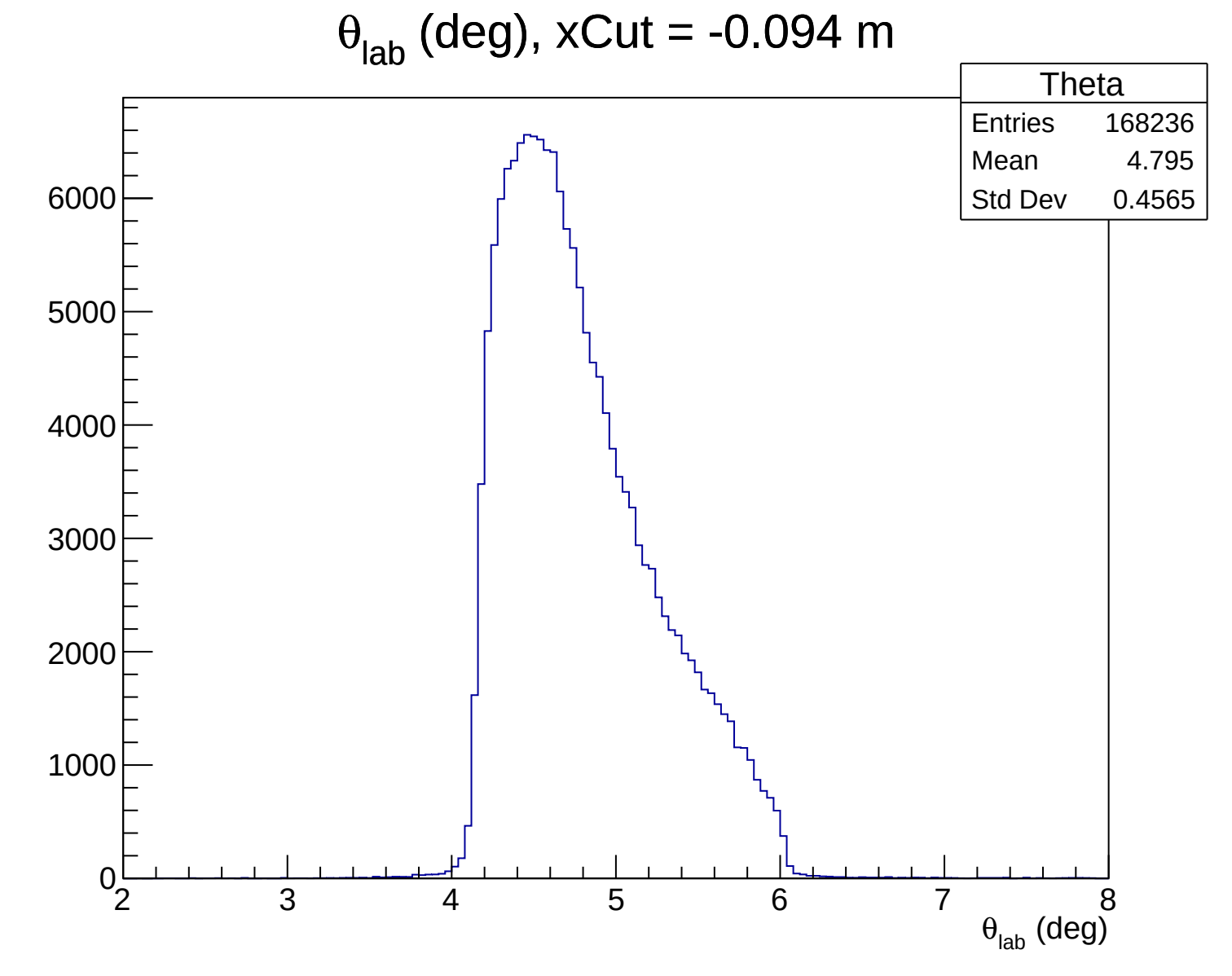

Sensitivity, xCut = -0.092 m
sens
Entries 166751
Mean 0.02233
Std Dev 0.003904
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

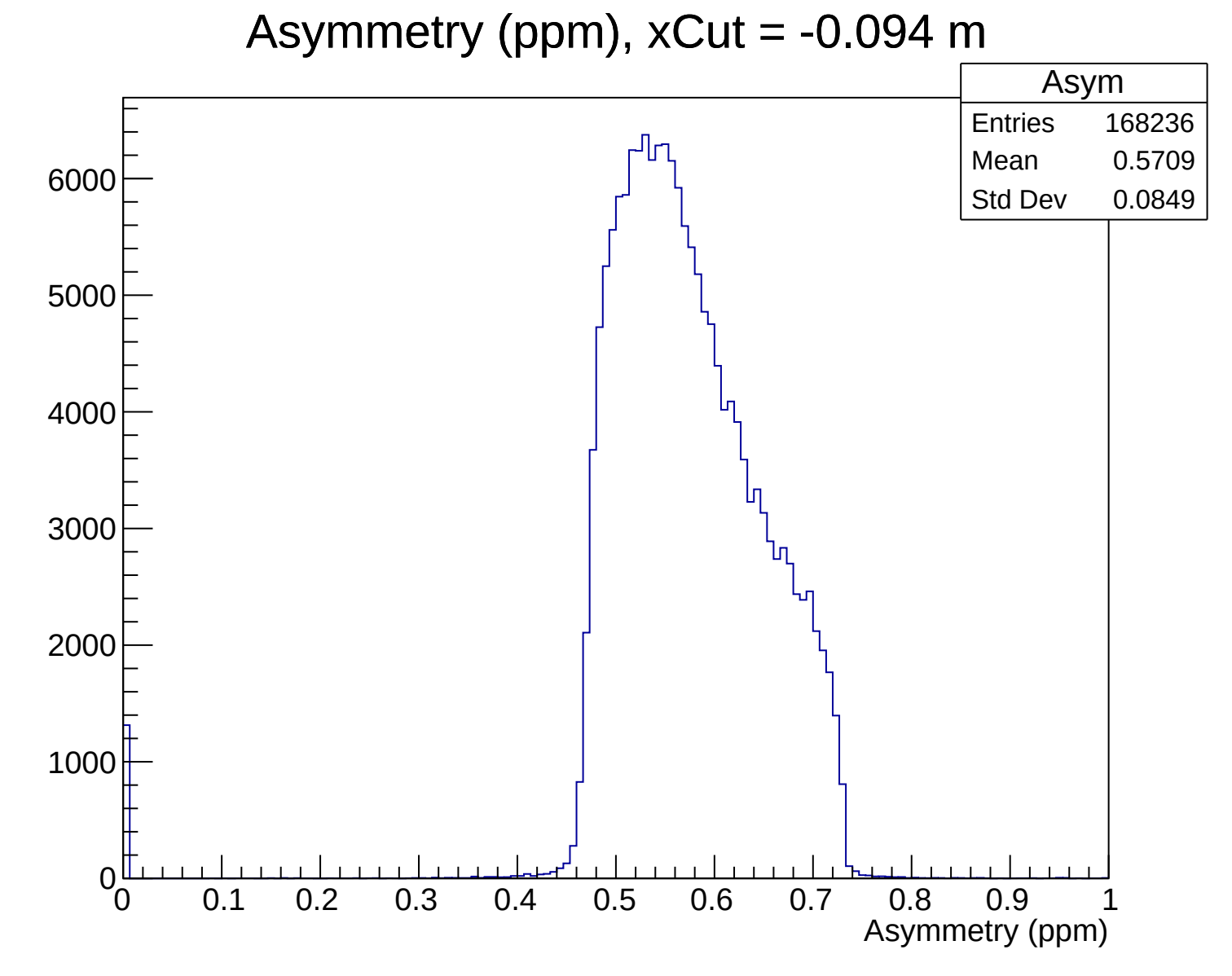

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

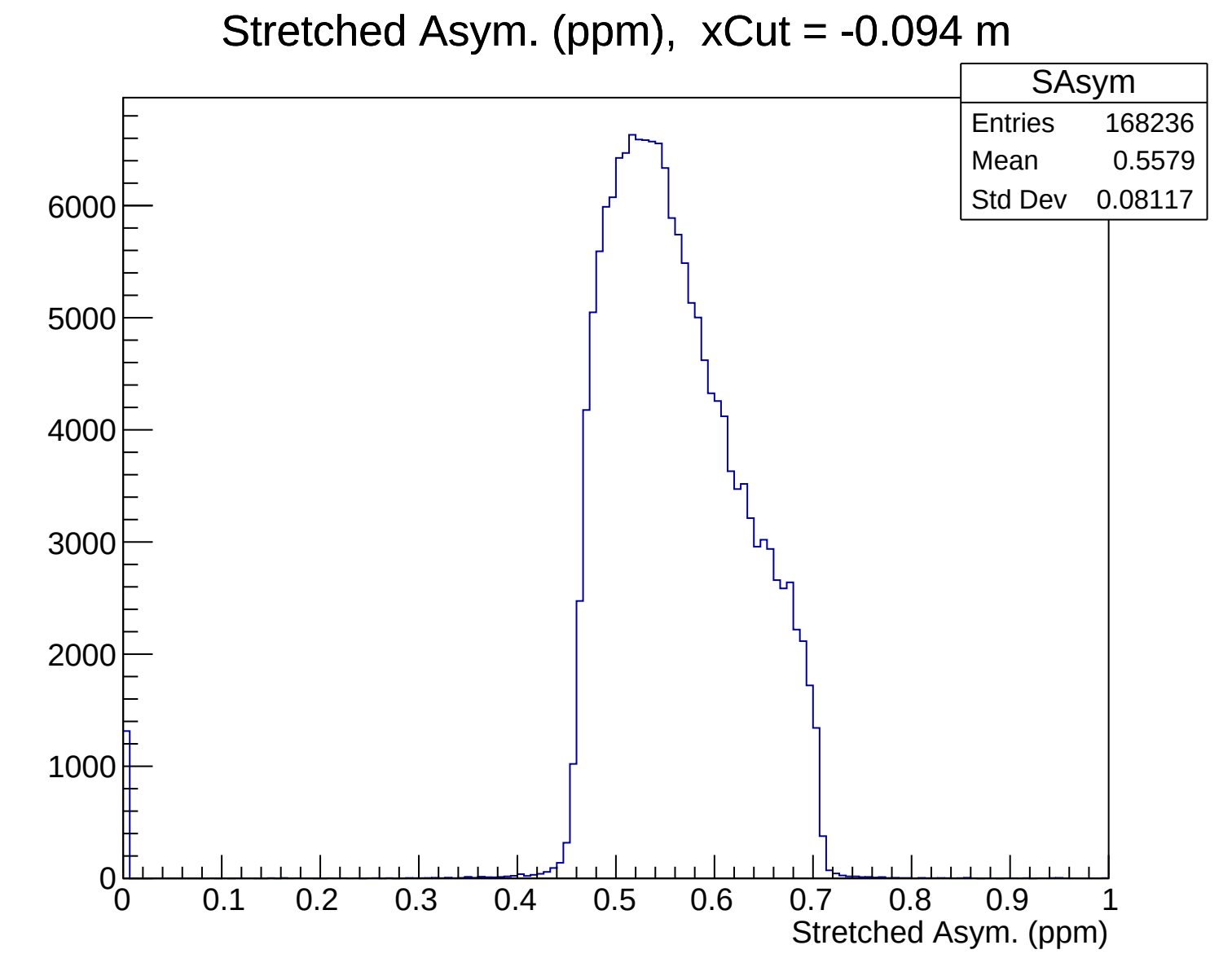

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

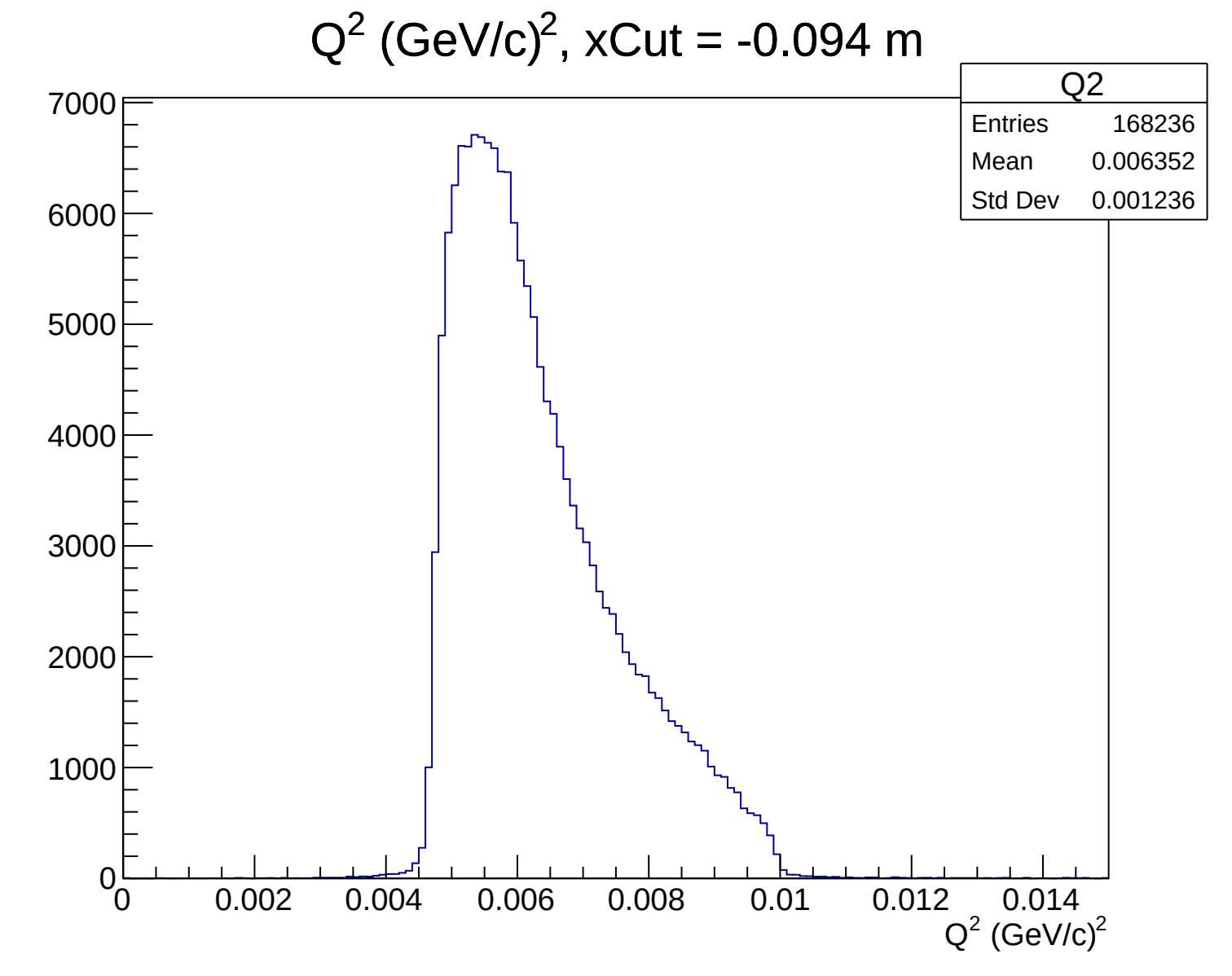

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.094
R.tr.x[0]+1.3*R.tr.th[0] (m)

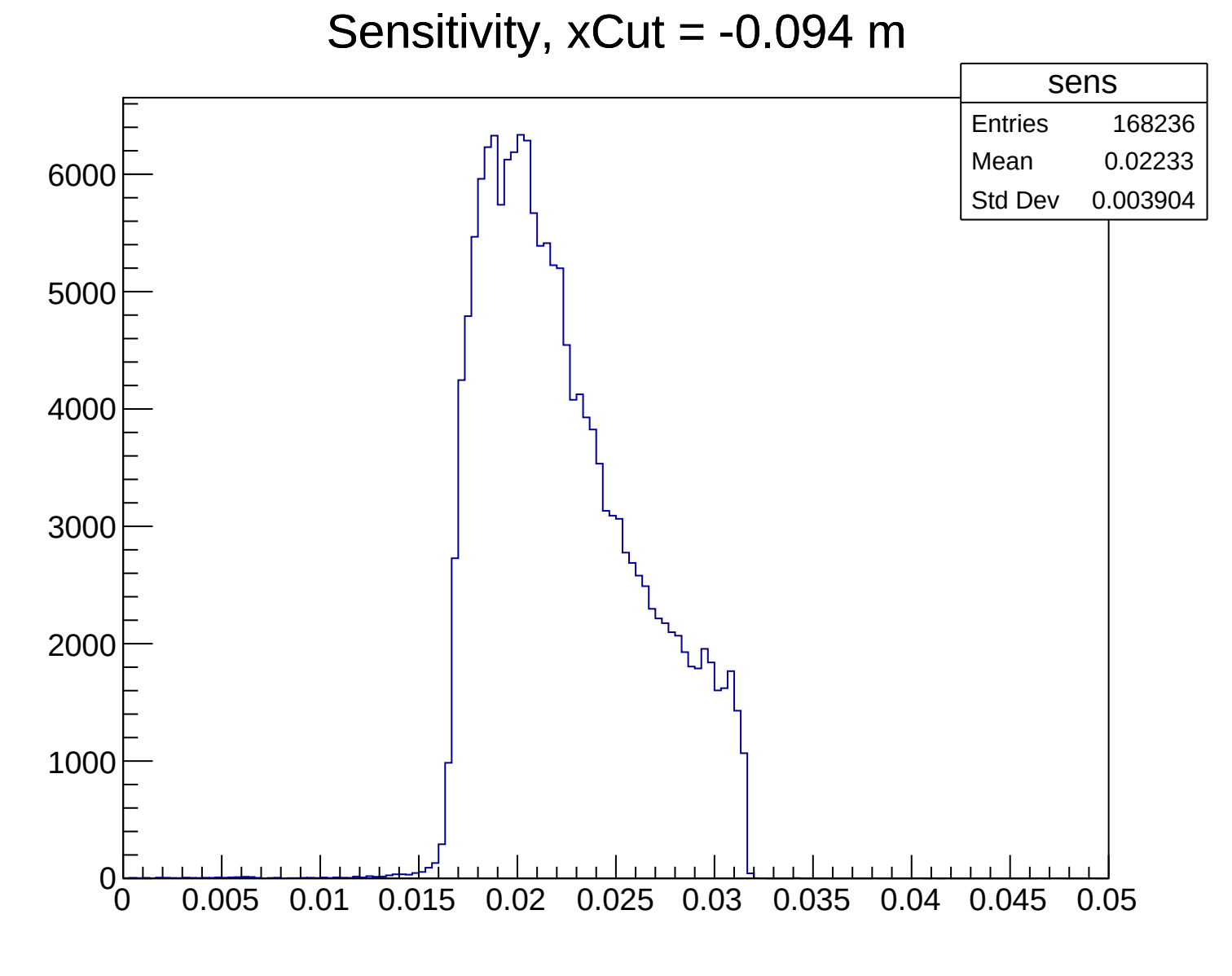

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

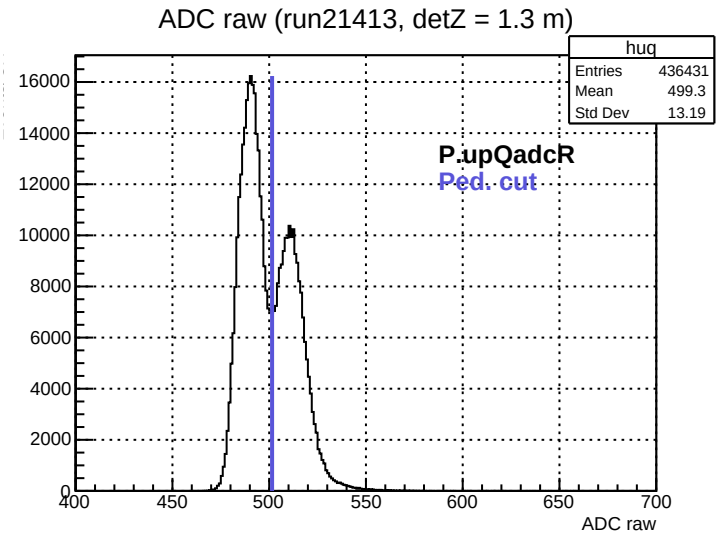

θlab (deg), xCut = -0.094 m
Theta
Entries 168236
Mean 4.795
Std Dev 0.4565
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

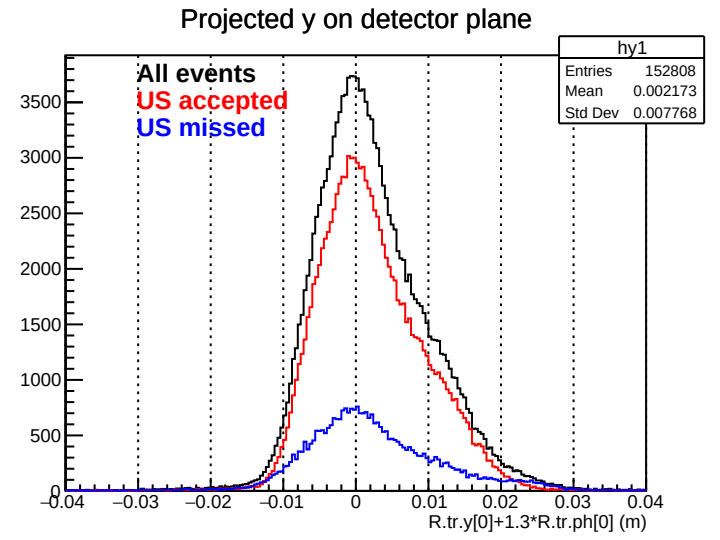

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 168236
Mean 0.5709
Std Dev 0.0849
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

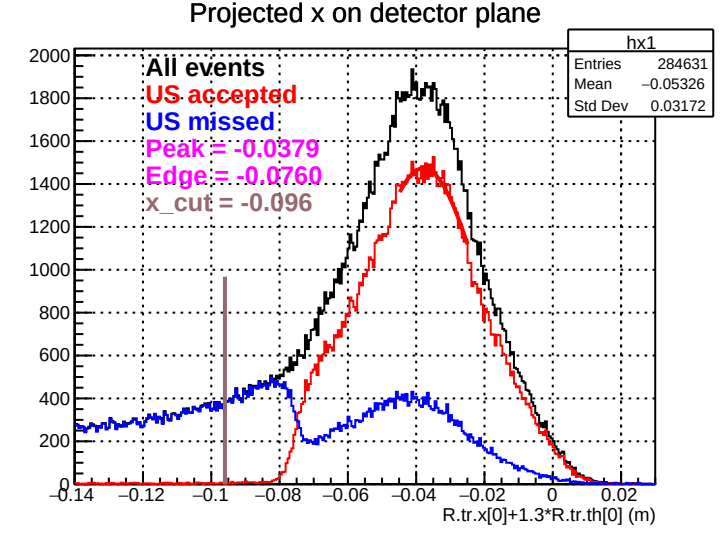

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 168236
Mean 0.5579
Std Dev 0.08117
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

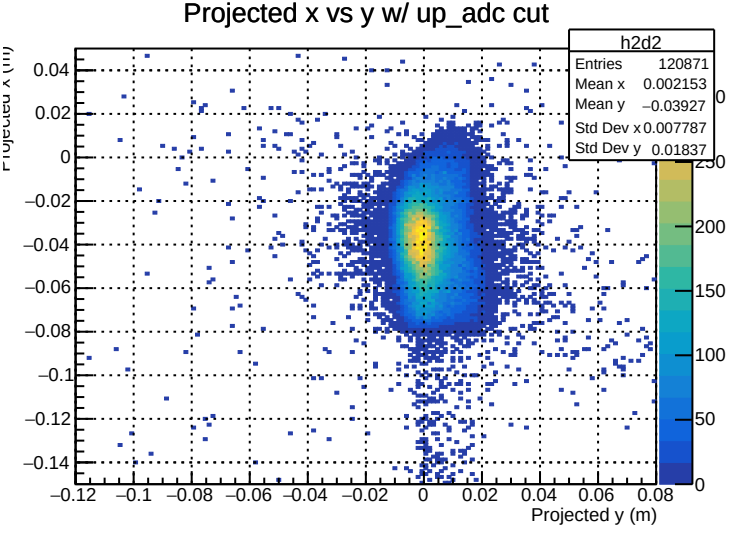

$Q^2$ (GeV/c)$^2$, xCut = -0.094 m
Q2
Entries 168236
Mean 0.006352
Std Dev 0.001236
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

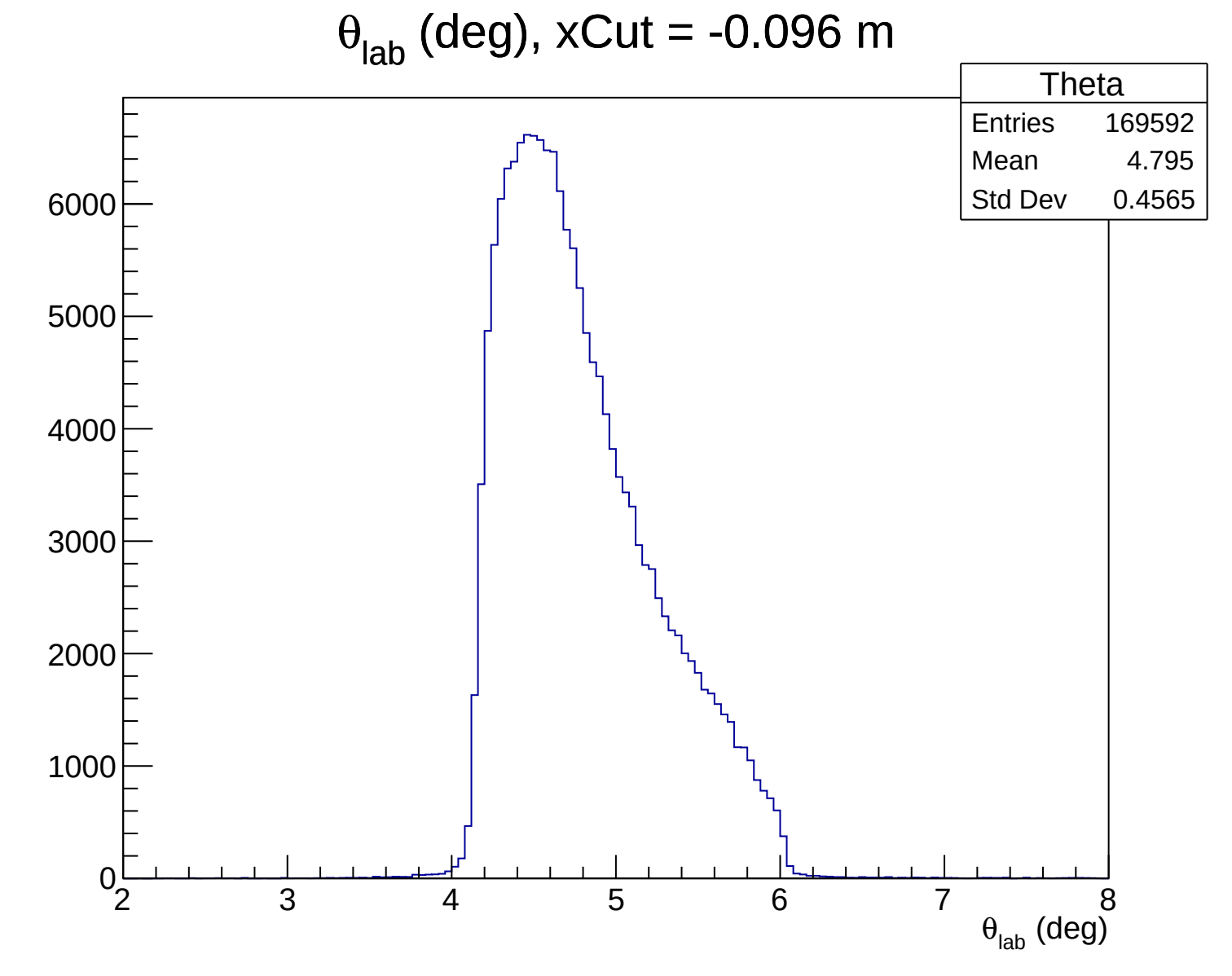

Sensitivity, xCut = -0.094 m
sens
Entries 168236
Mean 0.02233
Std Dev 0.003904
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

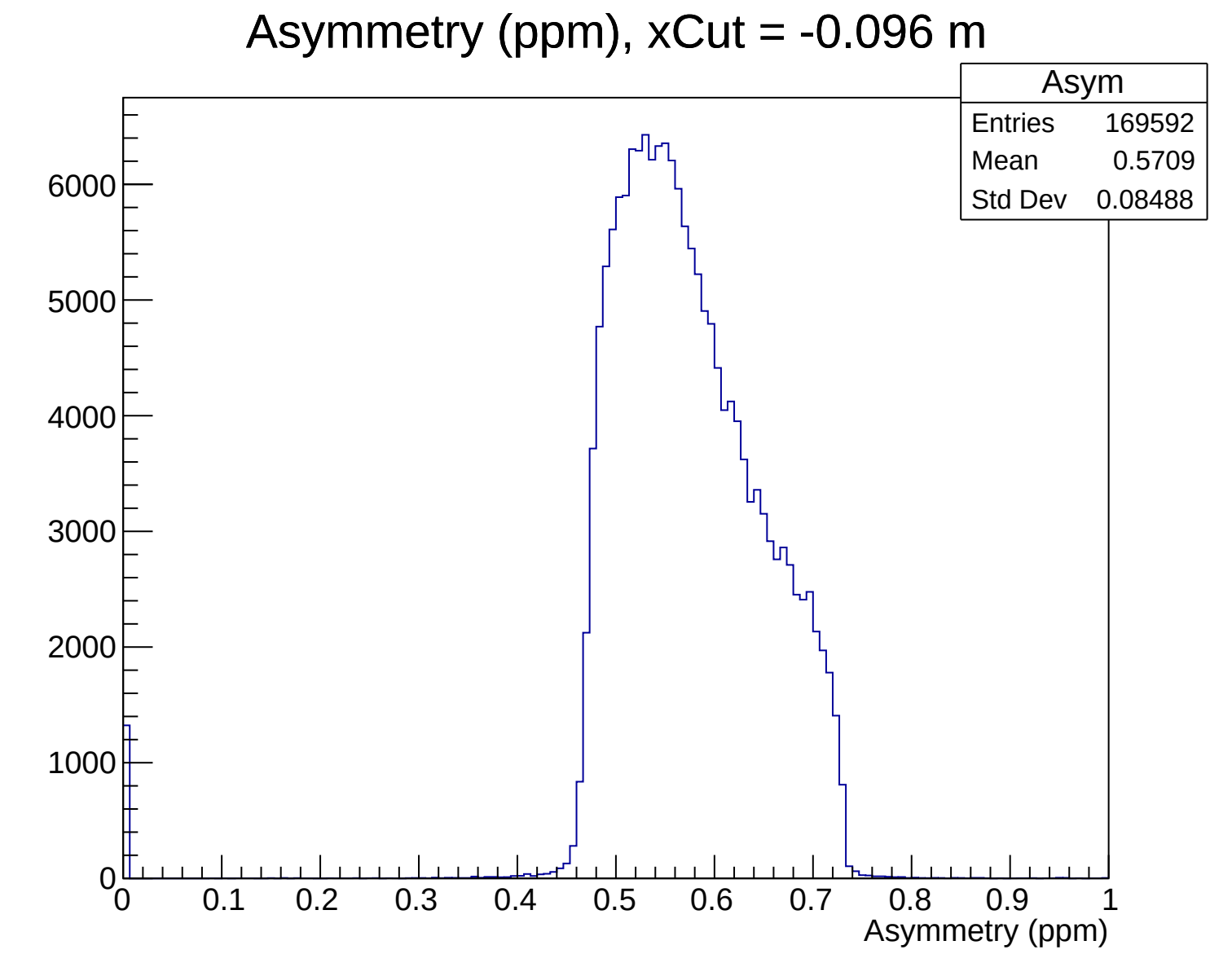

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

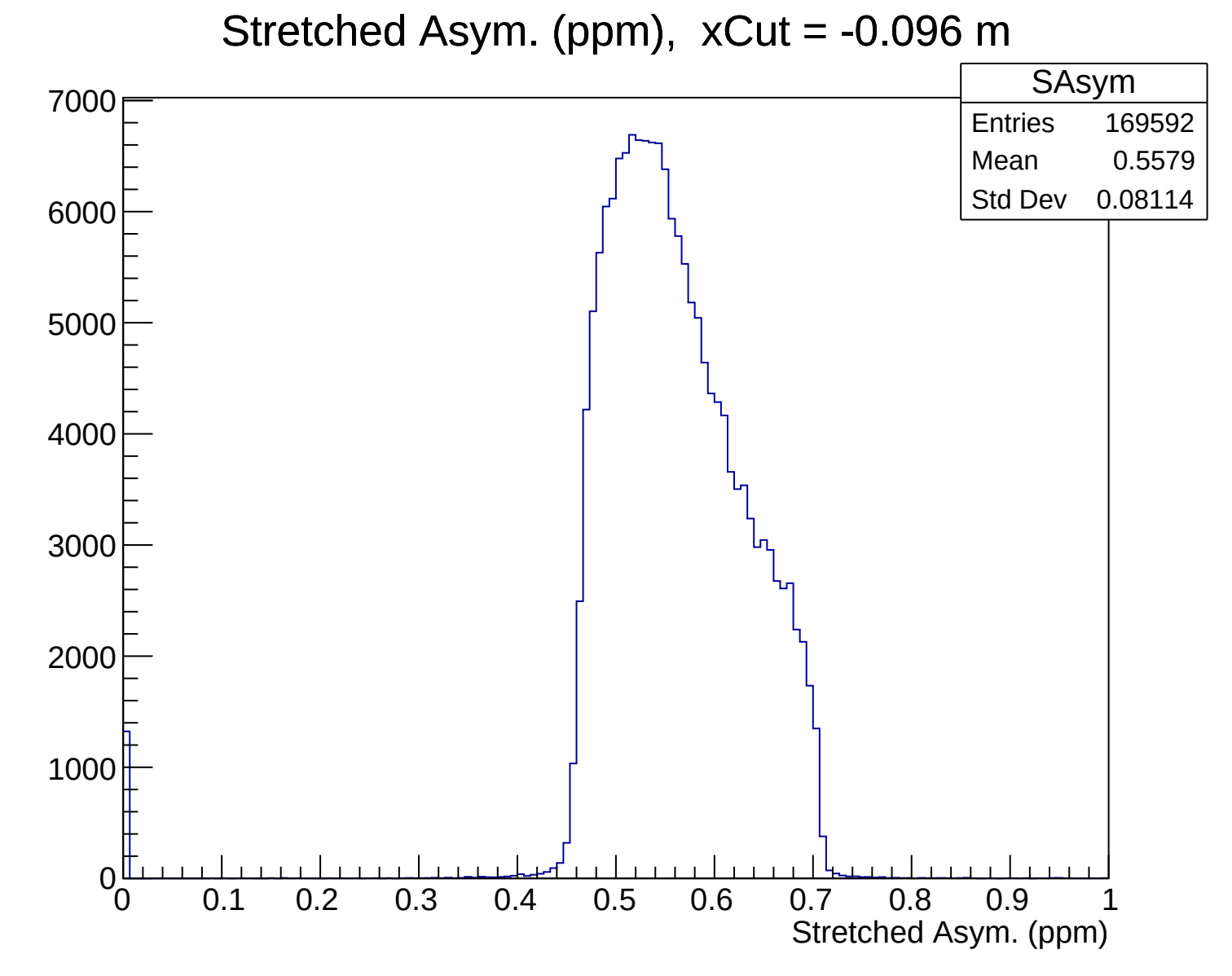

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

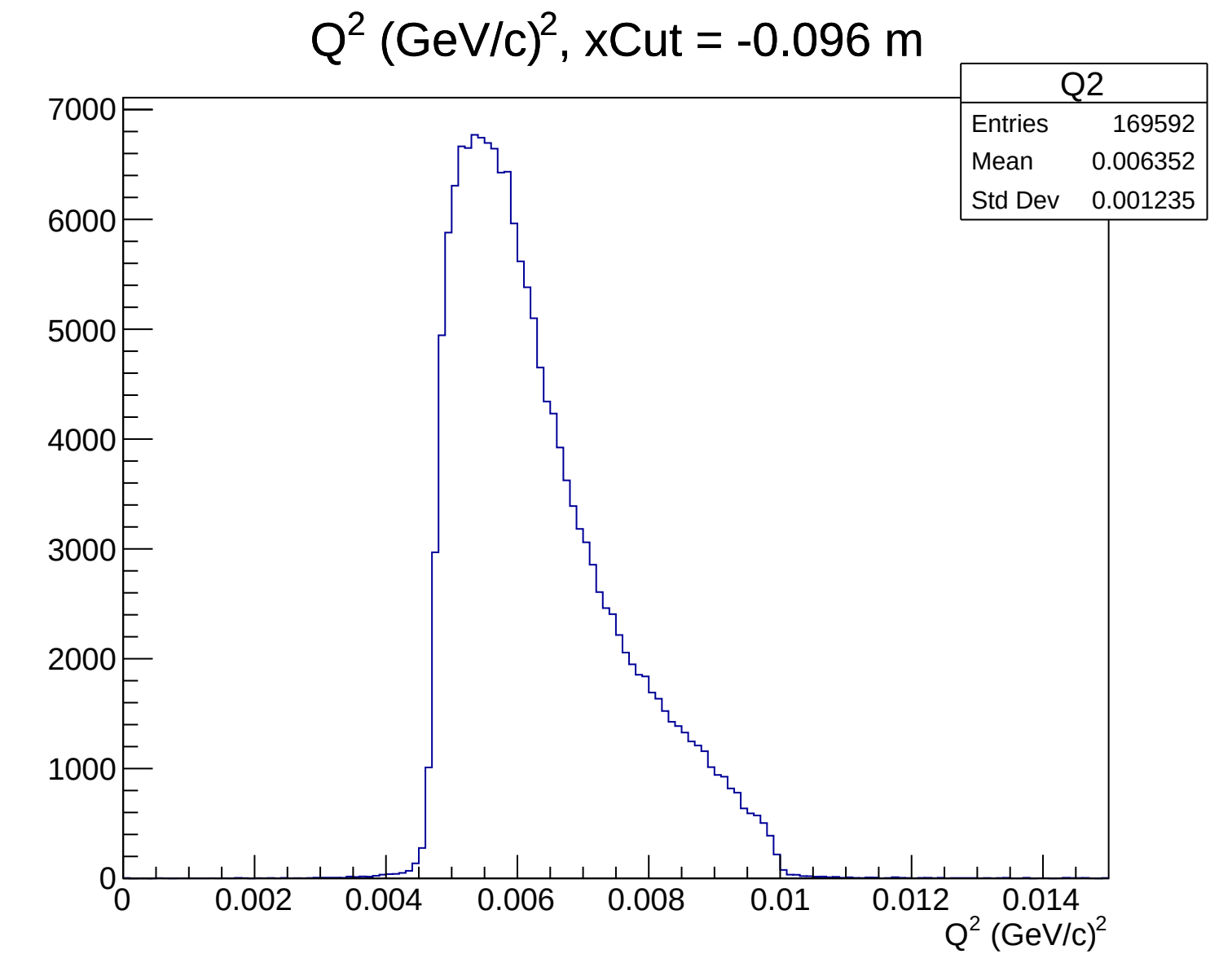

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.096
R.tr.x[0]+1.3*R.tr.th[0] (m)

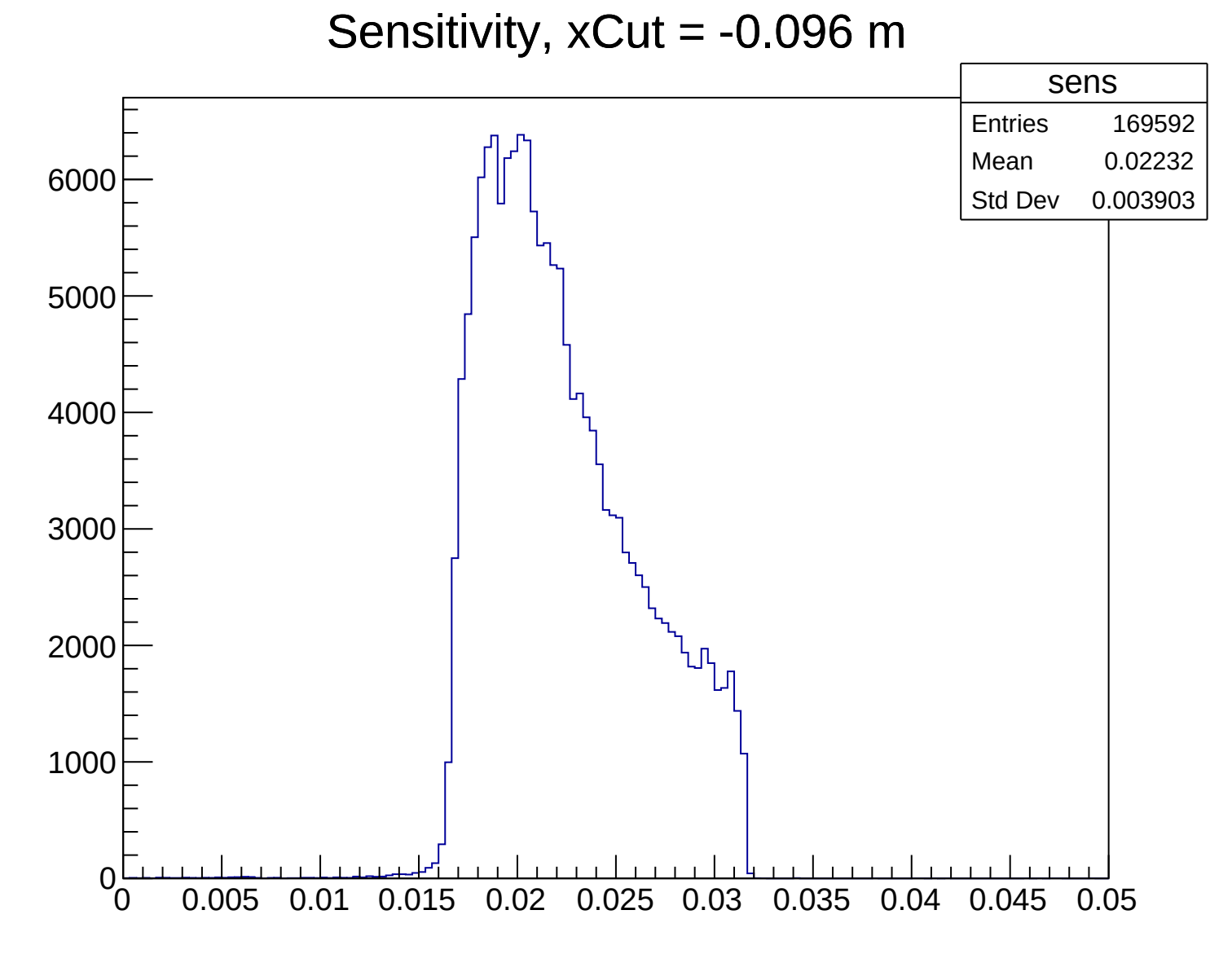

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

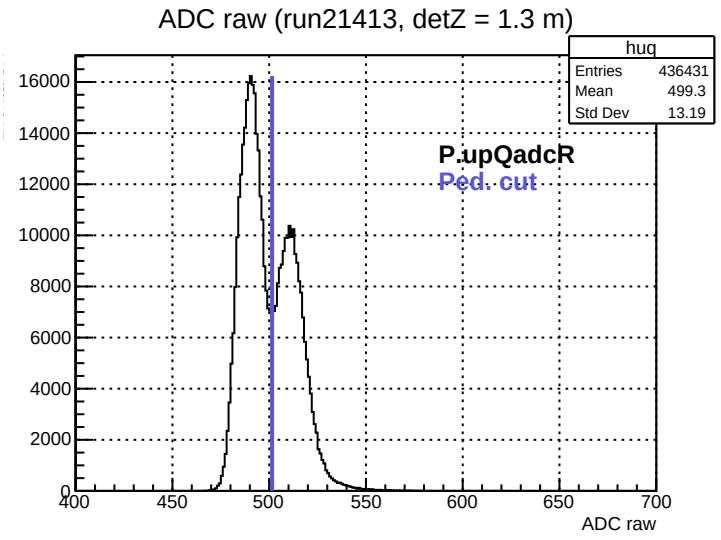

θlab (deg), xCut = -0.096 m
Theta
Entries 169592
Mean 4.795
Std Dev 0.4565
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

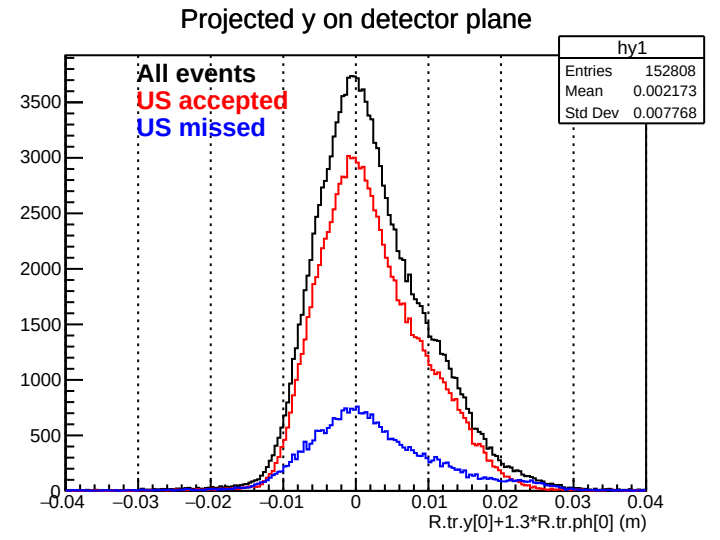

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 169592
Mean 0.5709
Std Dev 0.08488
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

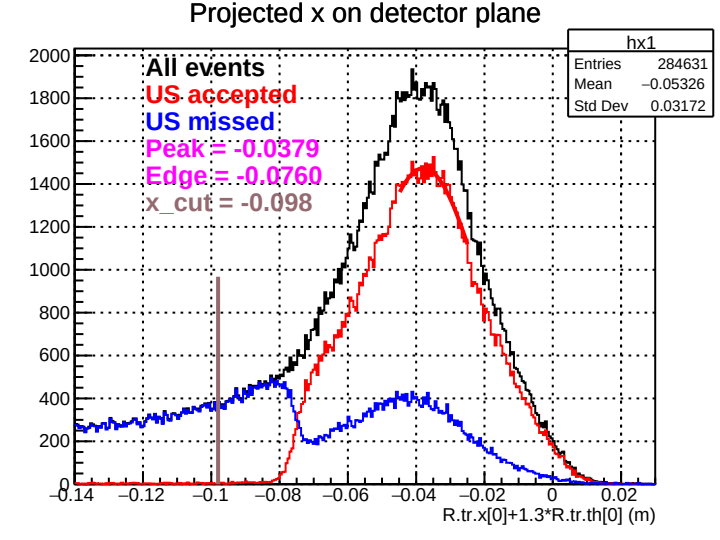

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 169592
Mean 0.5579
Std Dev 0.08114
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

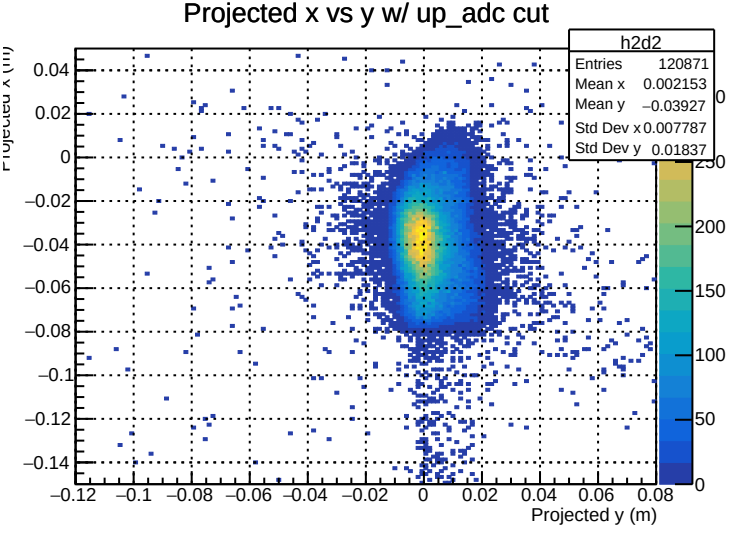

$Q^2$ (GeV/c)$^2$, xCut = -0.096 m
Q2
Entries 169592
Mean 0.006352
Std Dev 0.001235
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

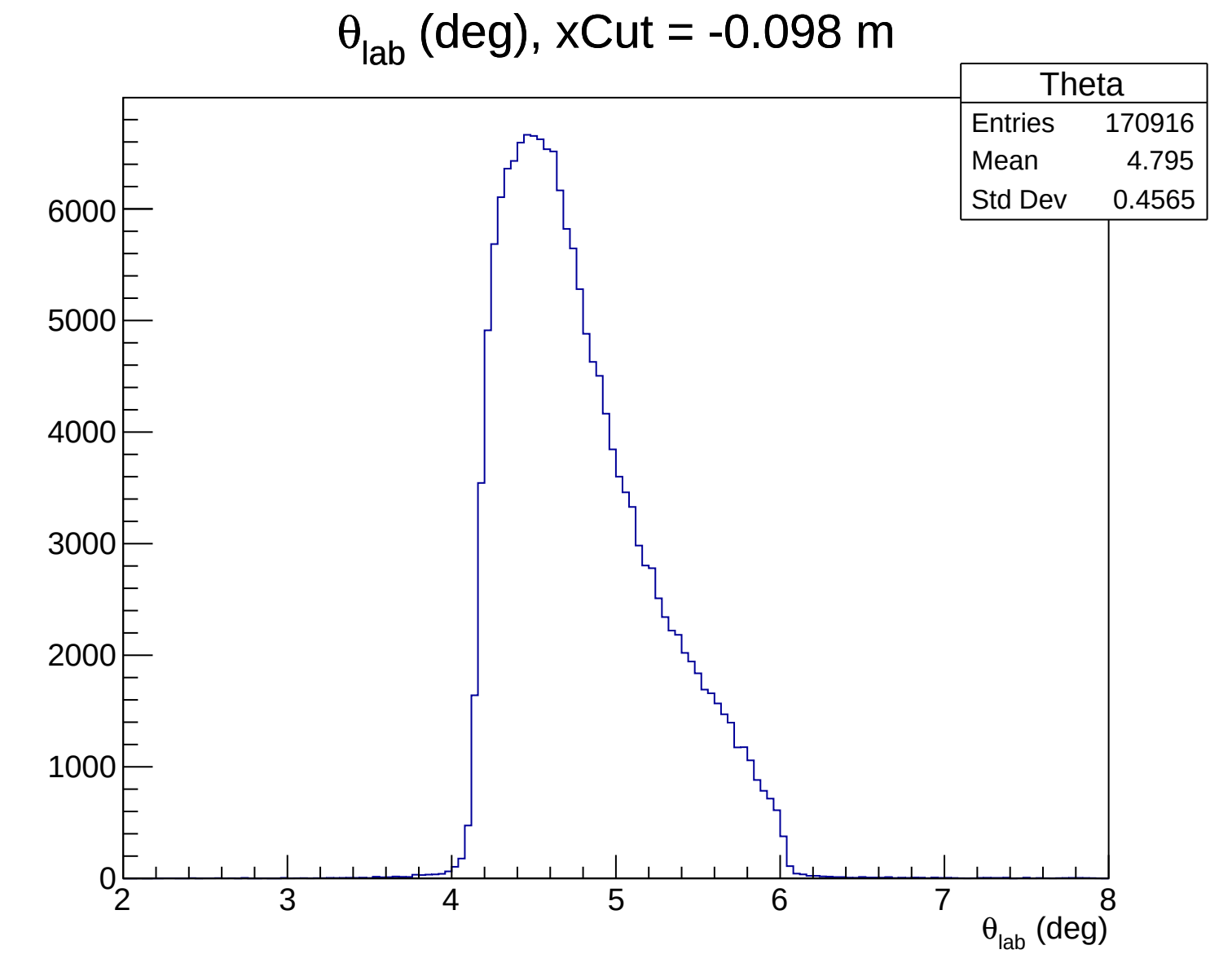

Sensitivity, xCut = -0.096 m
sens
Entries 169592
Mean 0.02232
Std Dev 0.003903
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

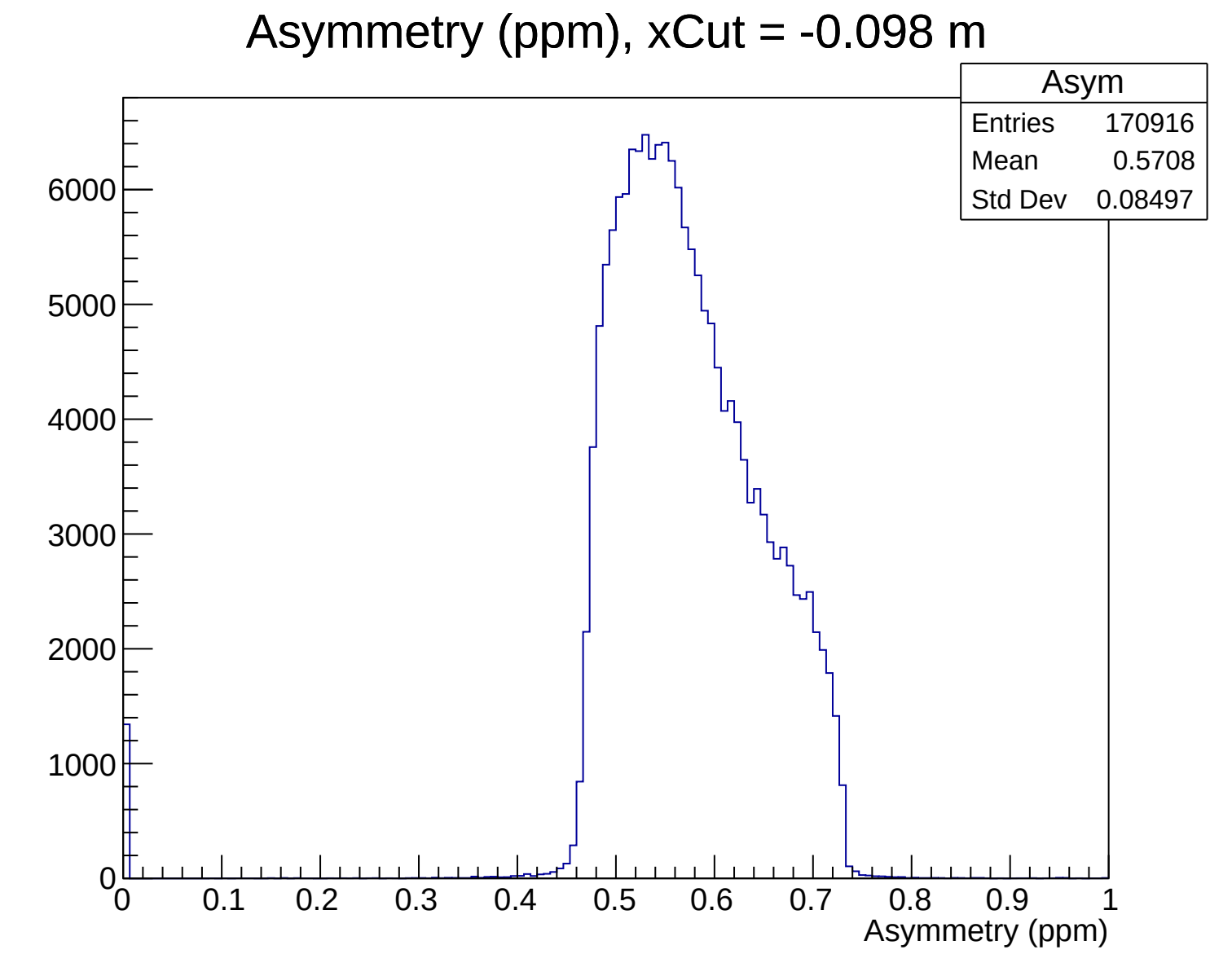

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

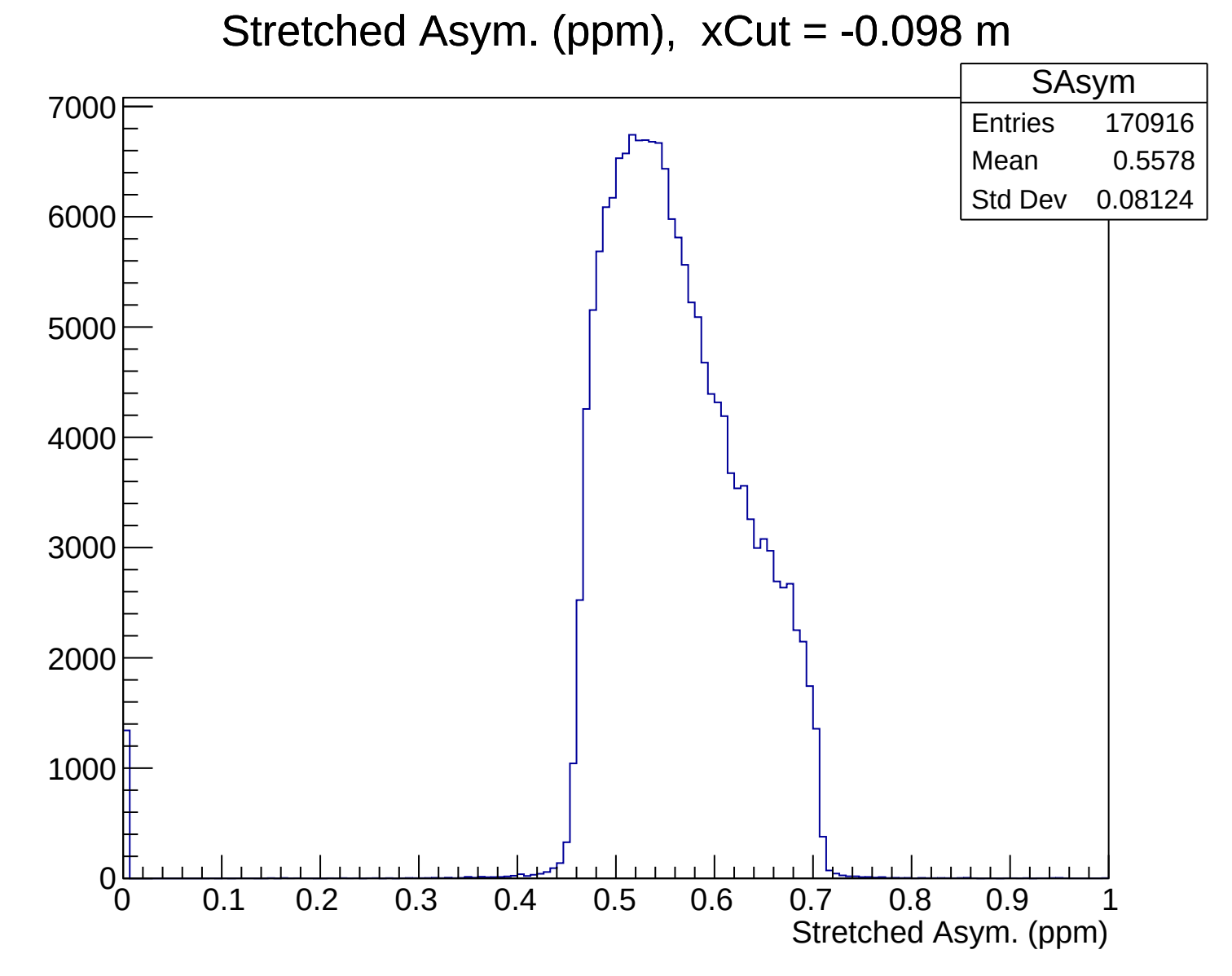

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

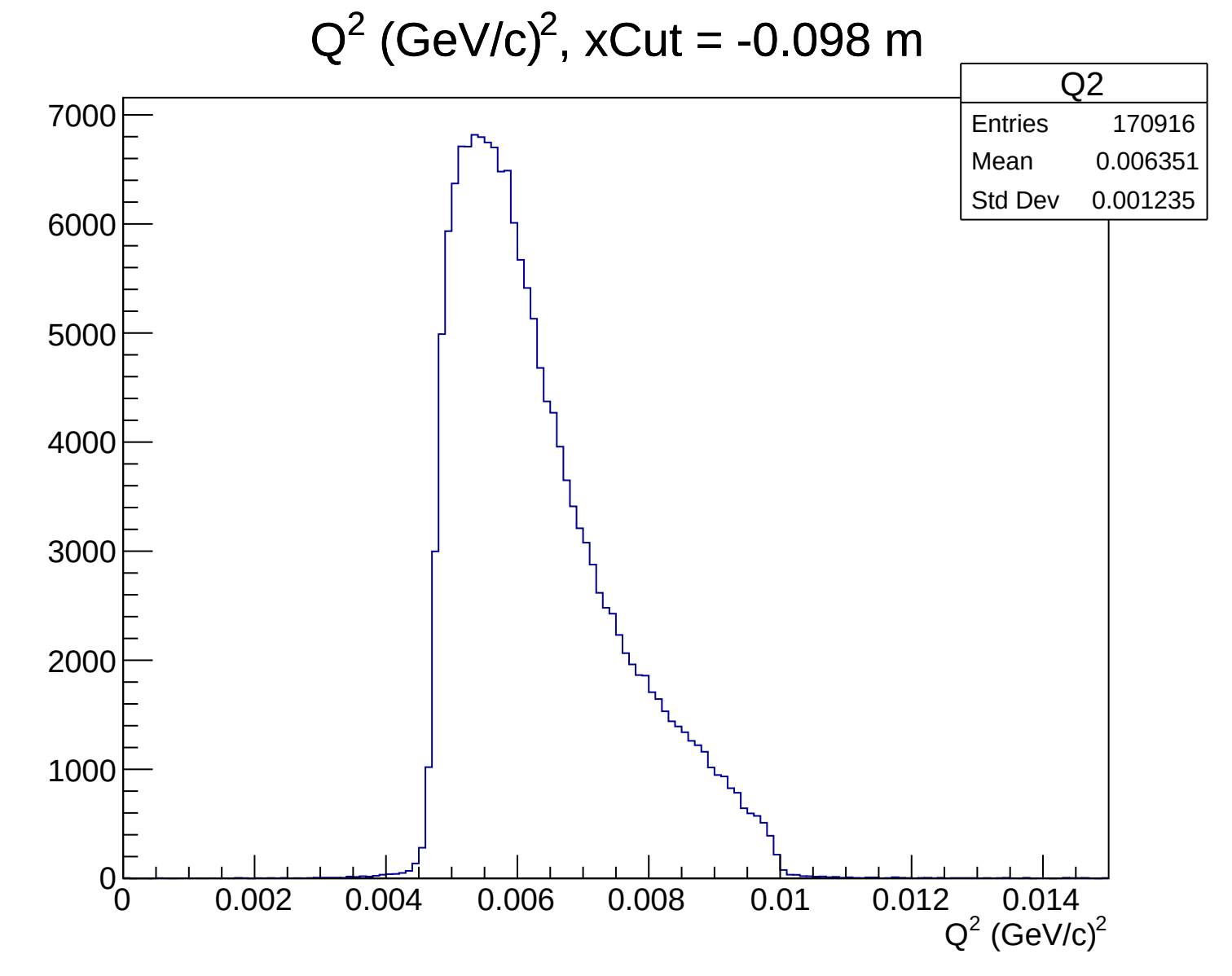

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.098
R.tr.x[0]+1.3*R.tr.th[0] (m)

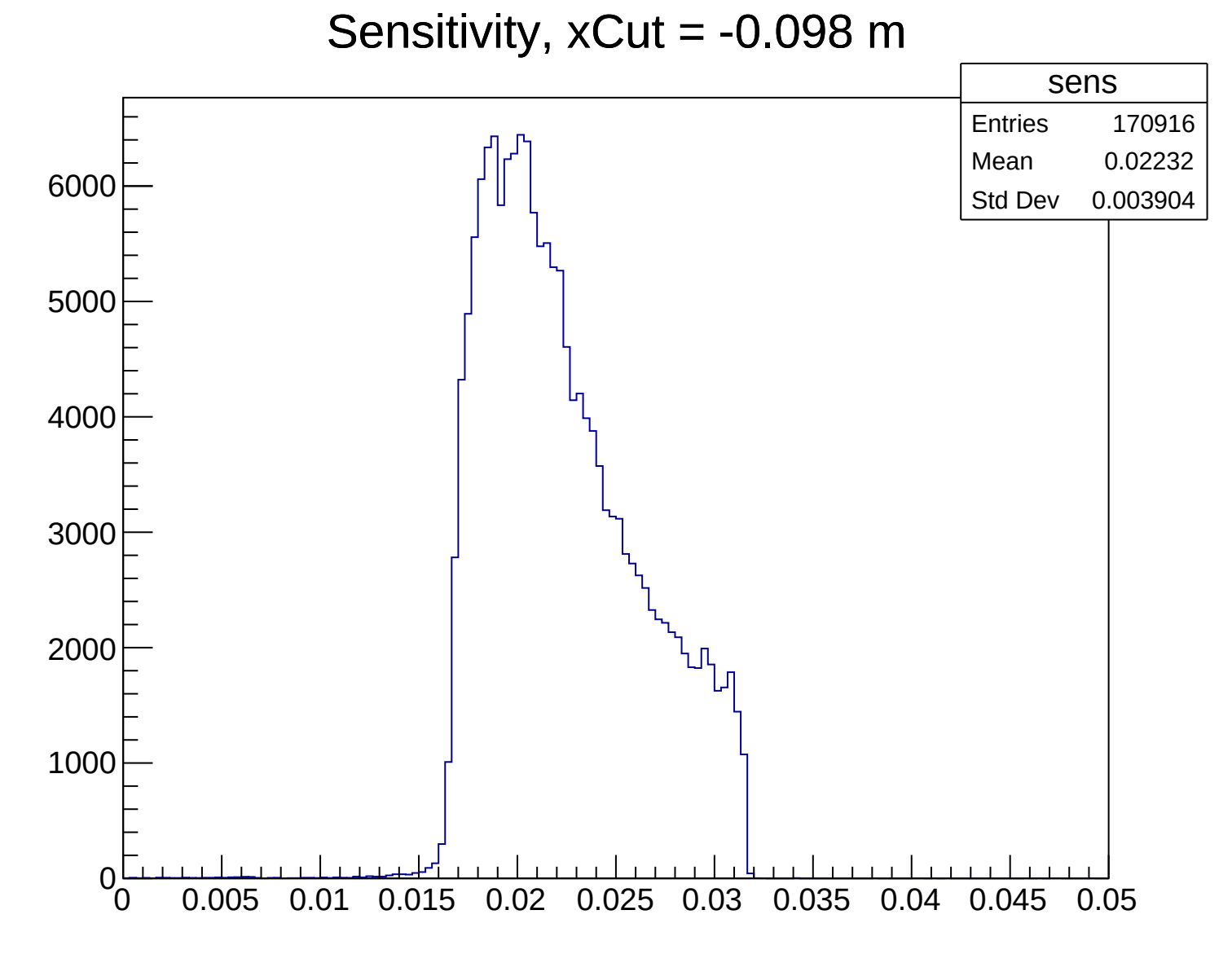

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

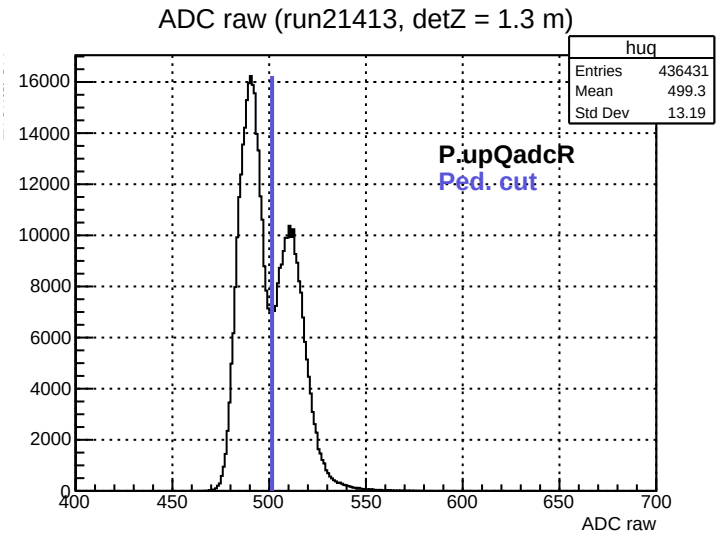

θlab (deg), xCut = -0.098 m
Theta
Entries 170916
Mean 4.795
Std Dev 0.4565
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

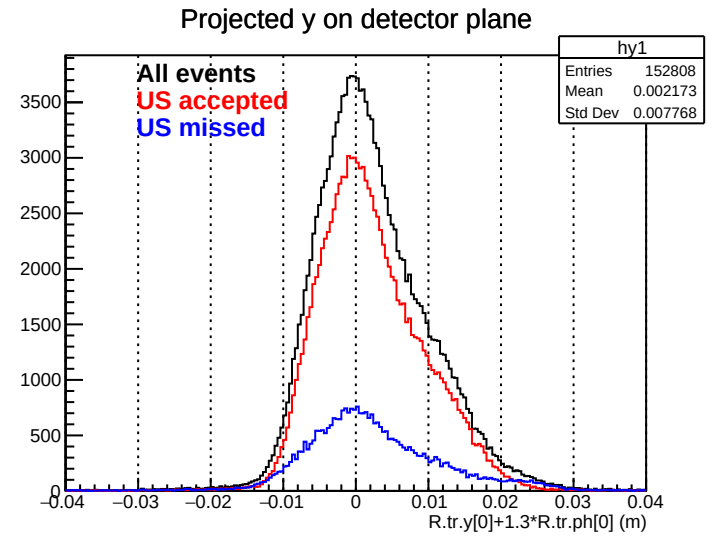

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 170916
Mean 0.5708
Std Dev 0.08497
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

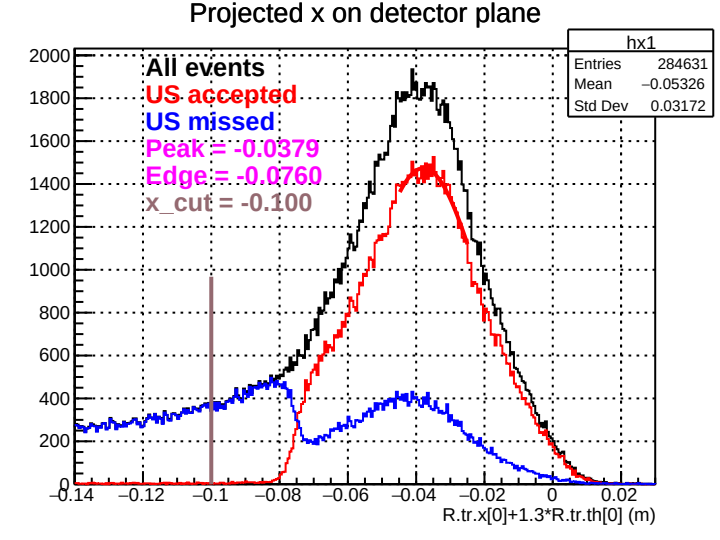

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 170916
Mean 0.5578
Std Dev 0.08124
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

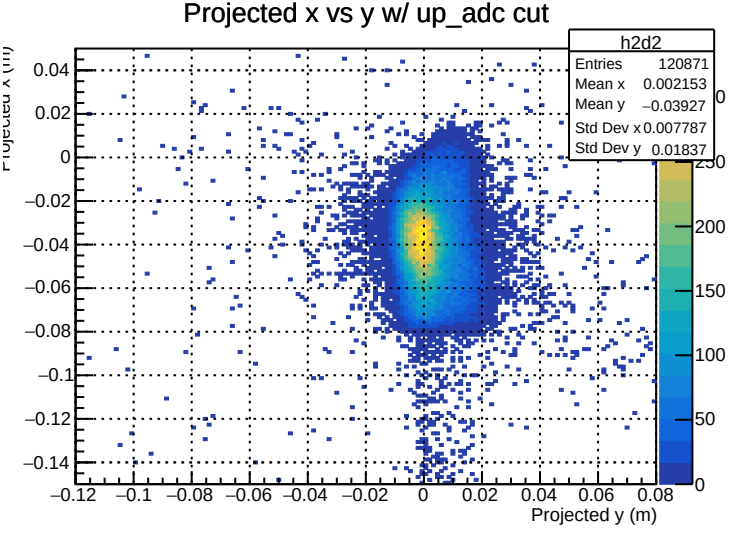

$Q^2$ (GeV/c)$^2$, xCut = -0.098 m
Q2
Entries 170916
Mean 0.006351
Std Dev 0.001235
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

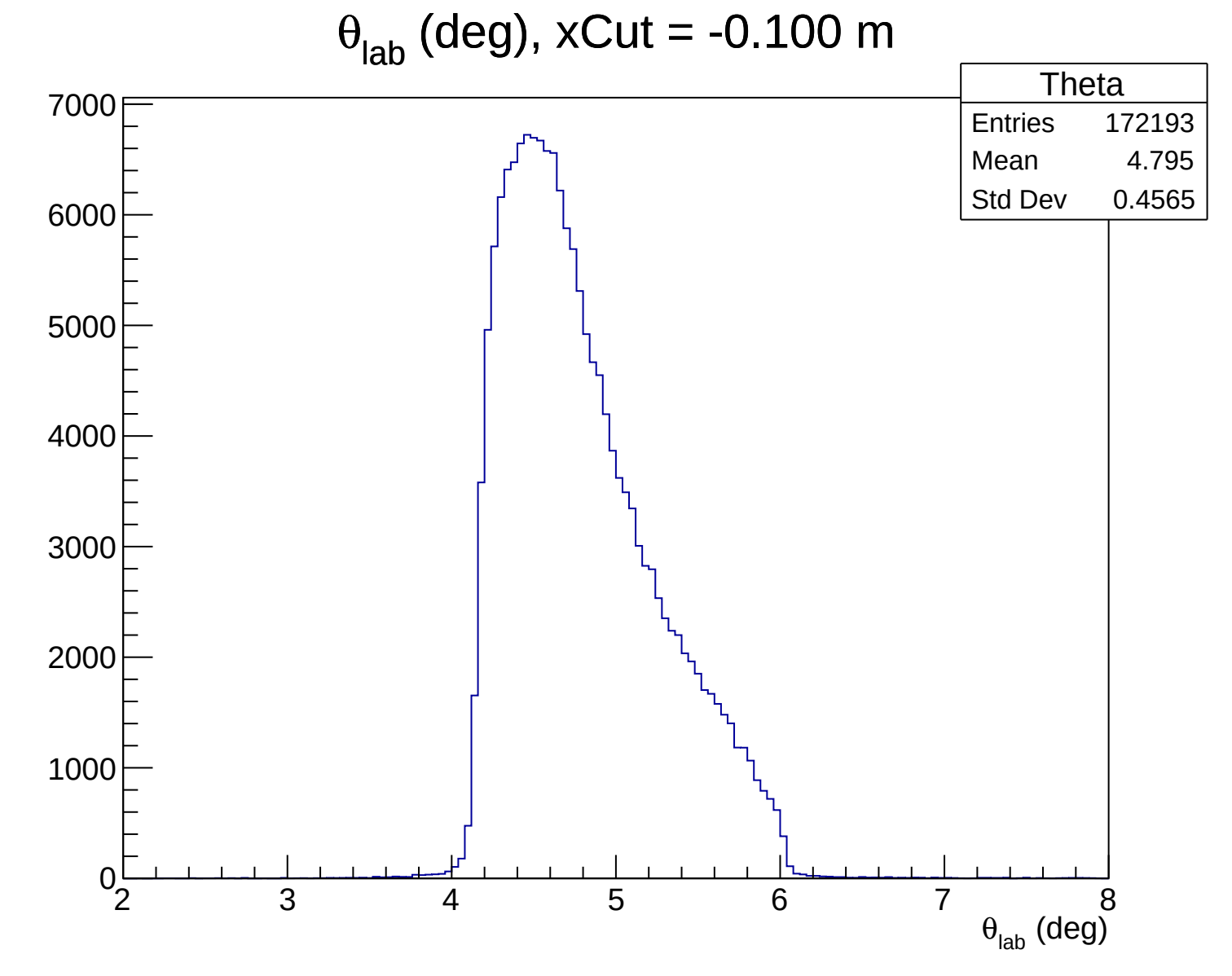

Sensitivity, xCut = -0.098 m
sens
Entries 170916
Mean 0.02232
Std Dev 0.003904
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

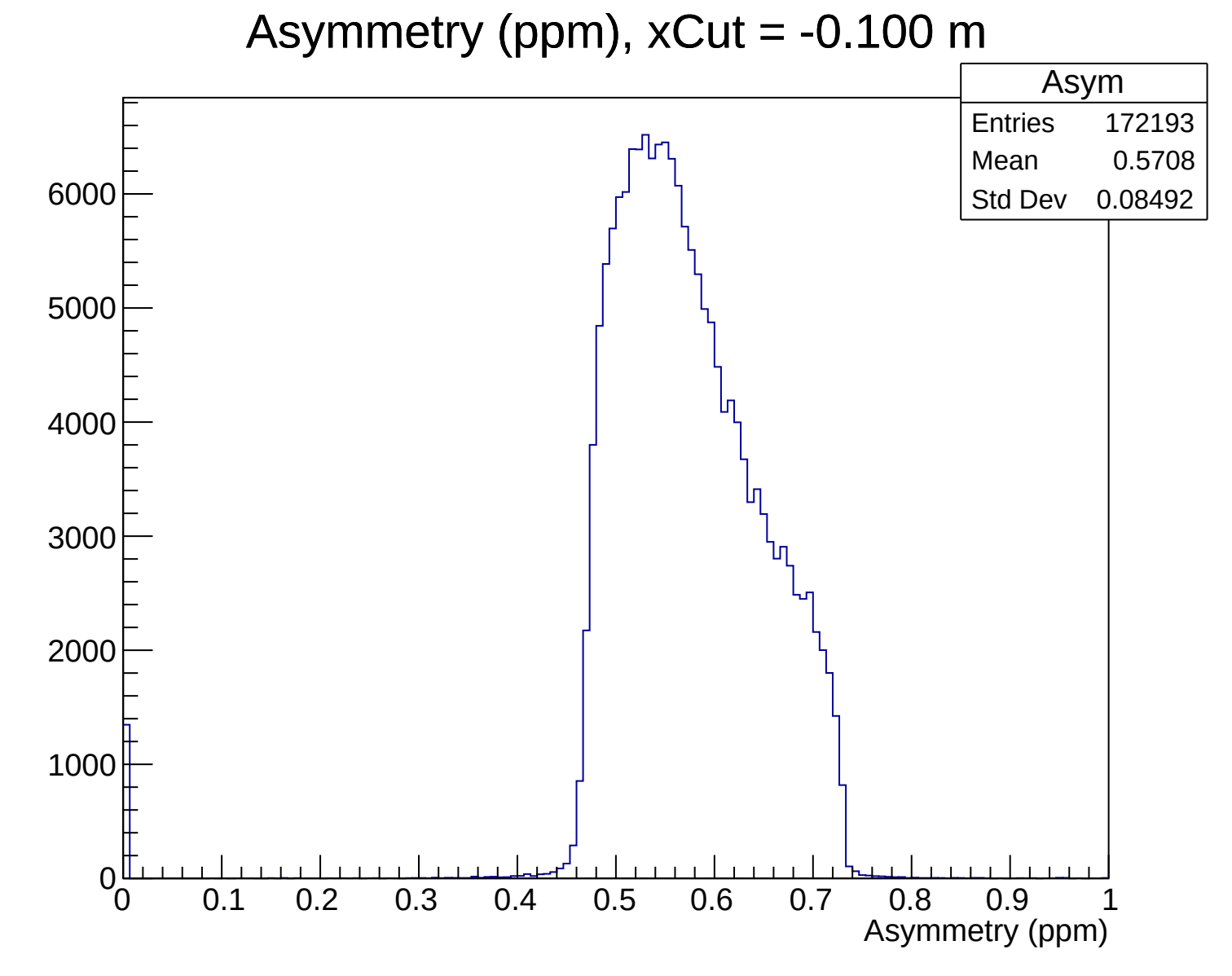

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

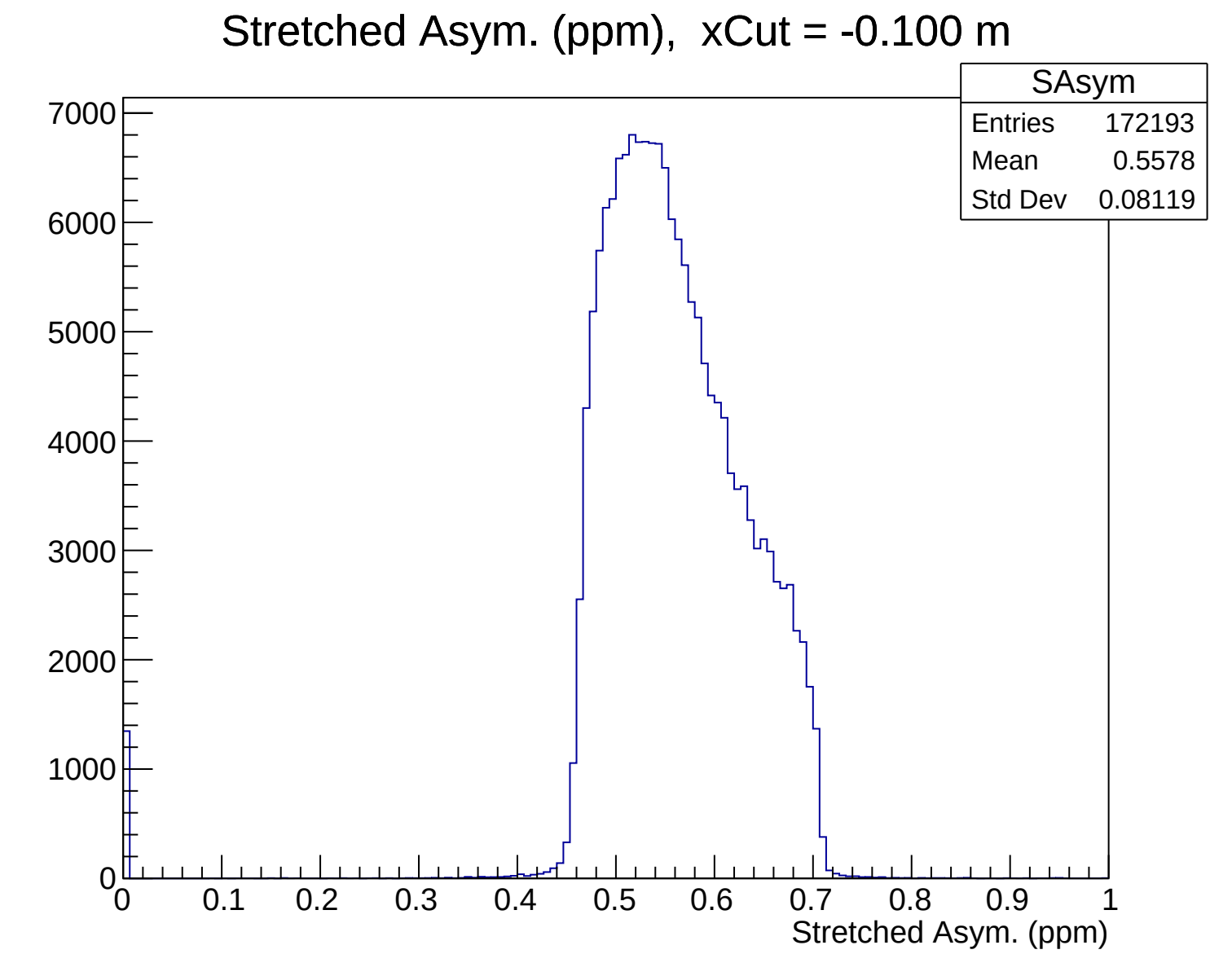

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

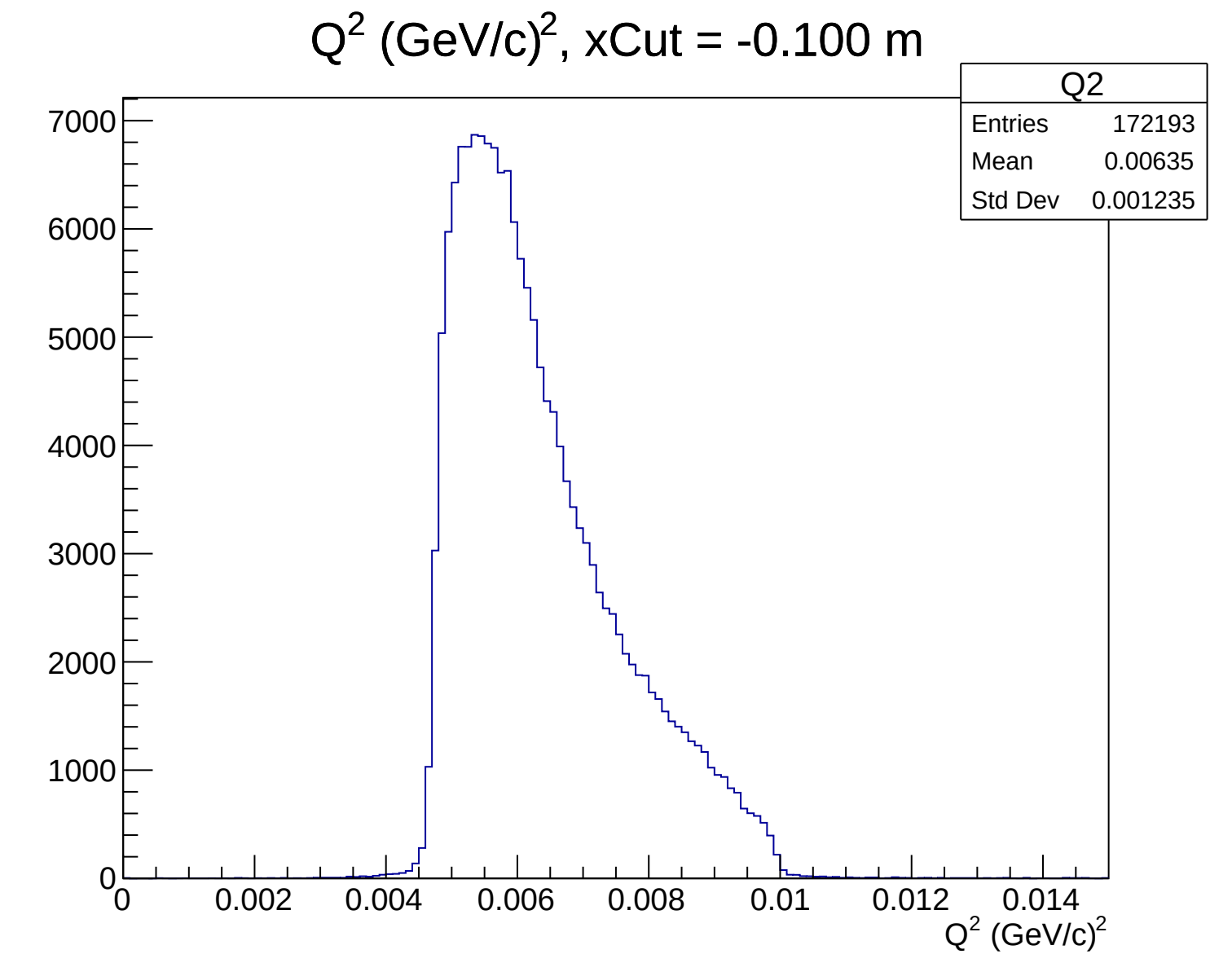

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.100
R.tr.x[0]+1.3*R.tr.th[0] (m)

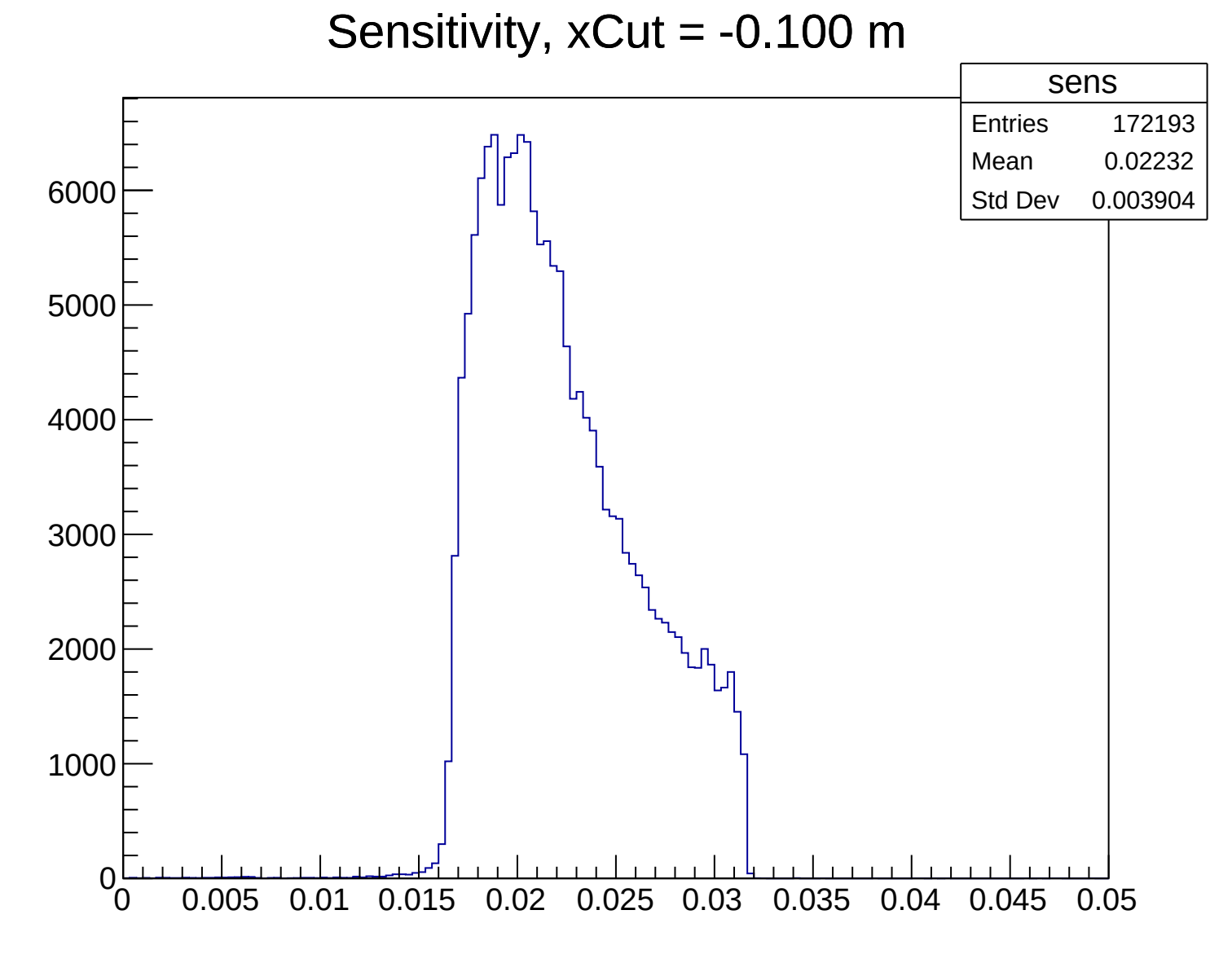

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

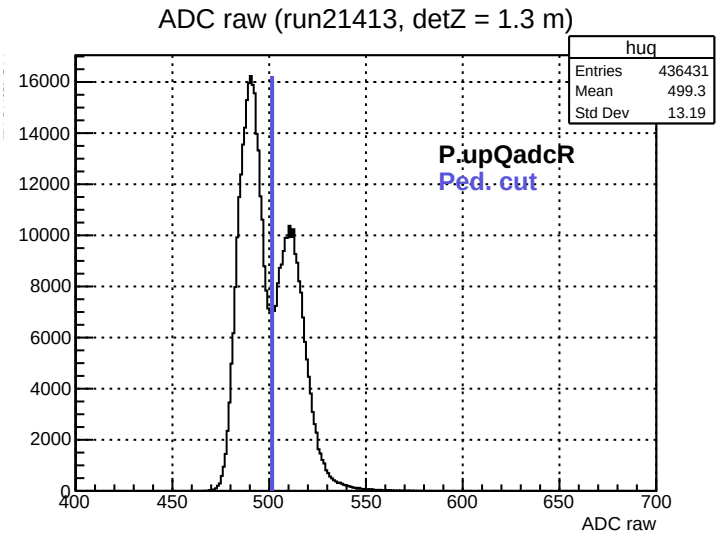

θlab (deg), xCut = -0.100 m
Theta
Entries 172193
Mean 4.795
Std Dev 0.4565
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

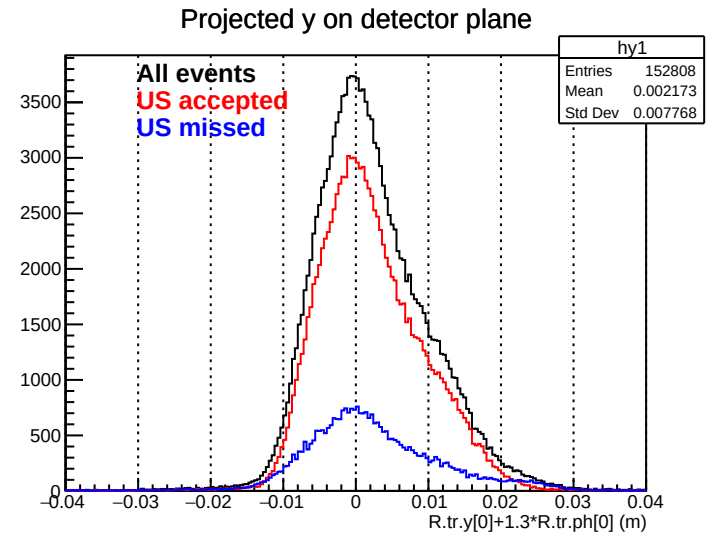

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 172193
Mean 0.5708
Std Dev 0.08492
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

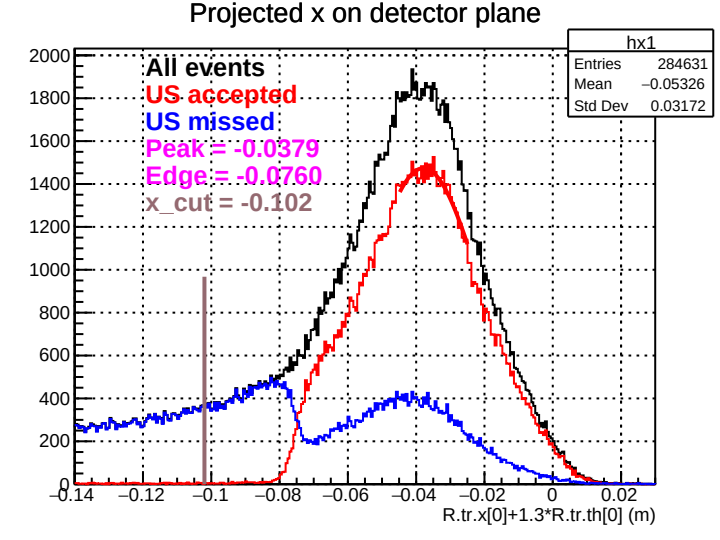

Stretched Asym. (ppm),  xCut = -0.100 m
SAsym
Entries 172193
Mean 0.5578
Std Dev 0.08119
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

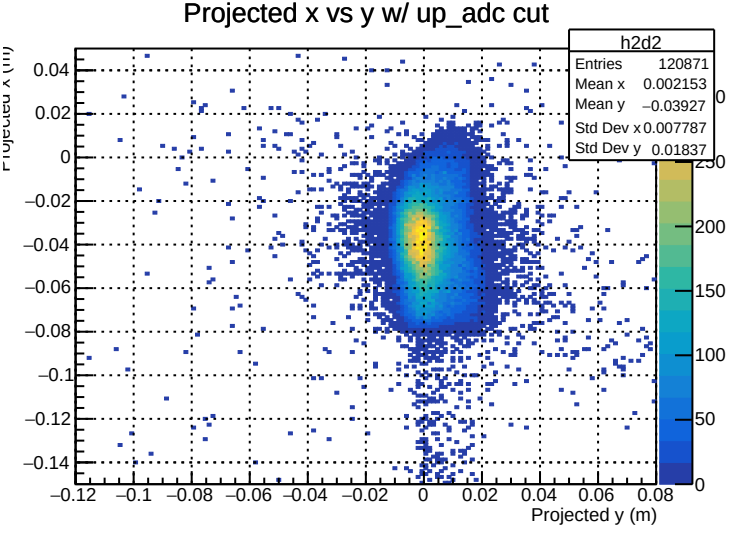

$Q^2$ (GeV/c)$^2$, xCut = -0.100 m
Q2
Entries 172193
Mean 0.00635
Std Dev 0.001235
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

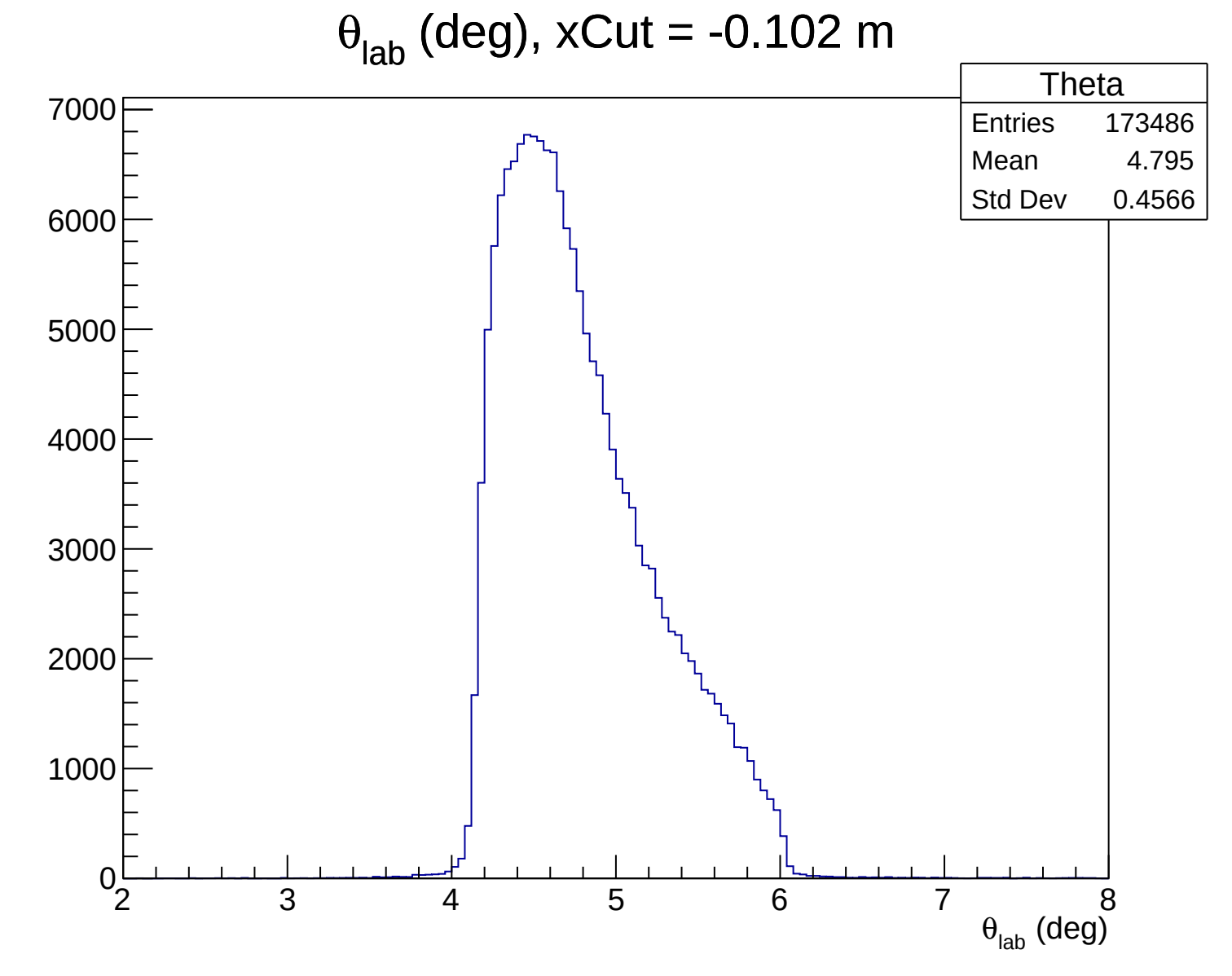

Sensitivity, xCut = -0.100 m
sens
Entries 172193
Mean 0.02232
Std Dev 0.003904
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

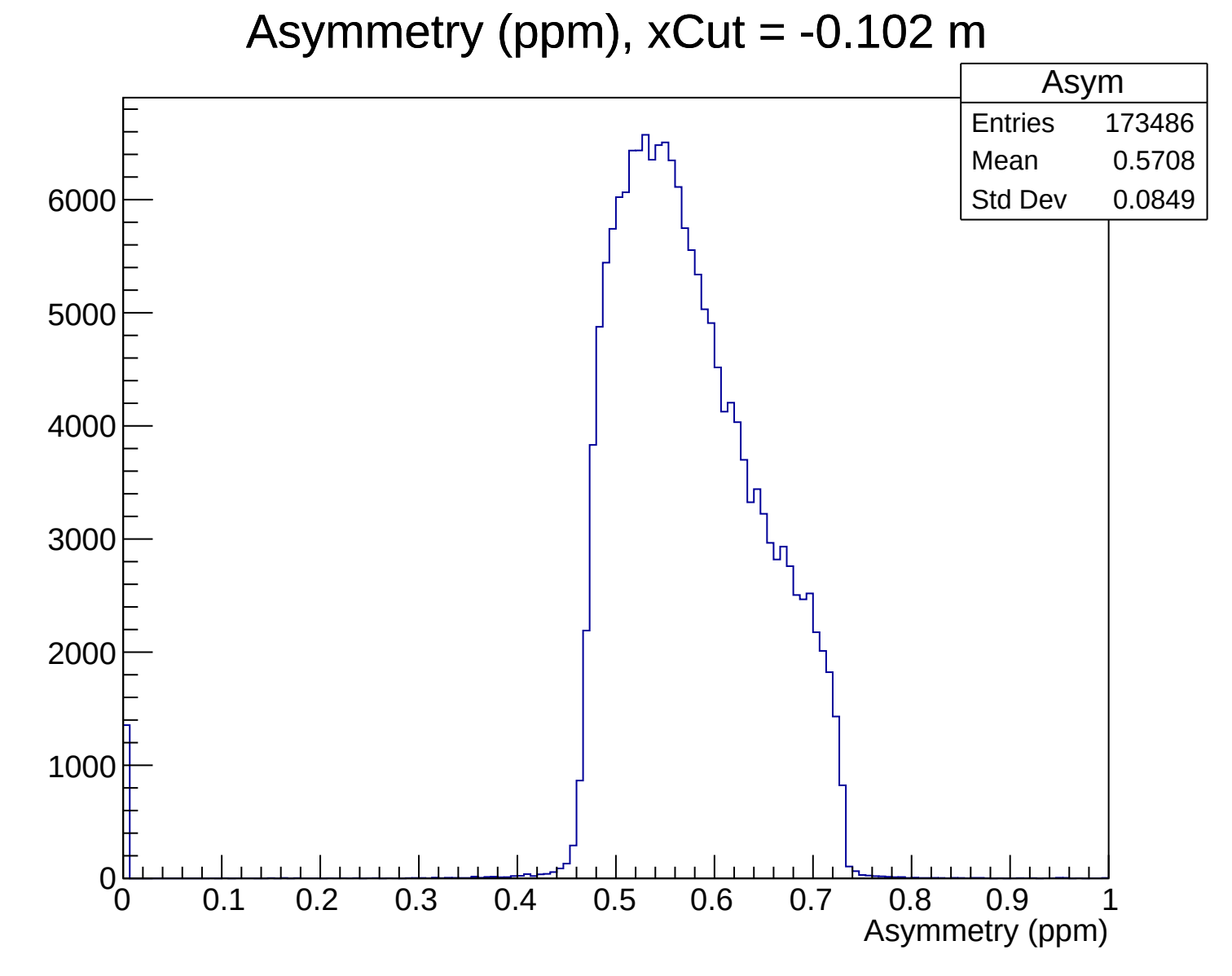

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

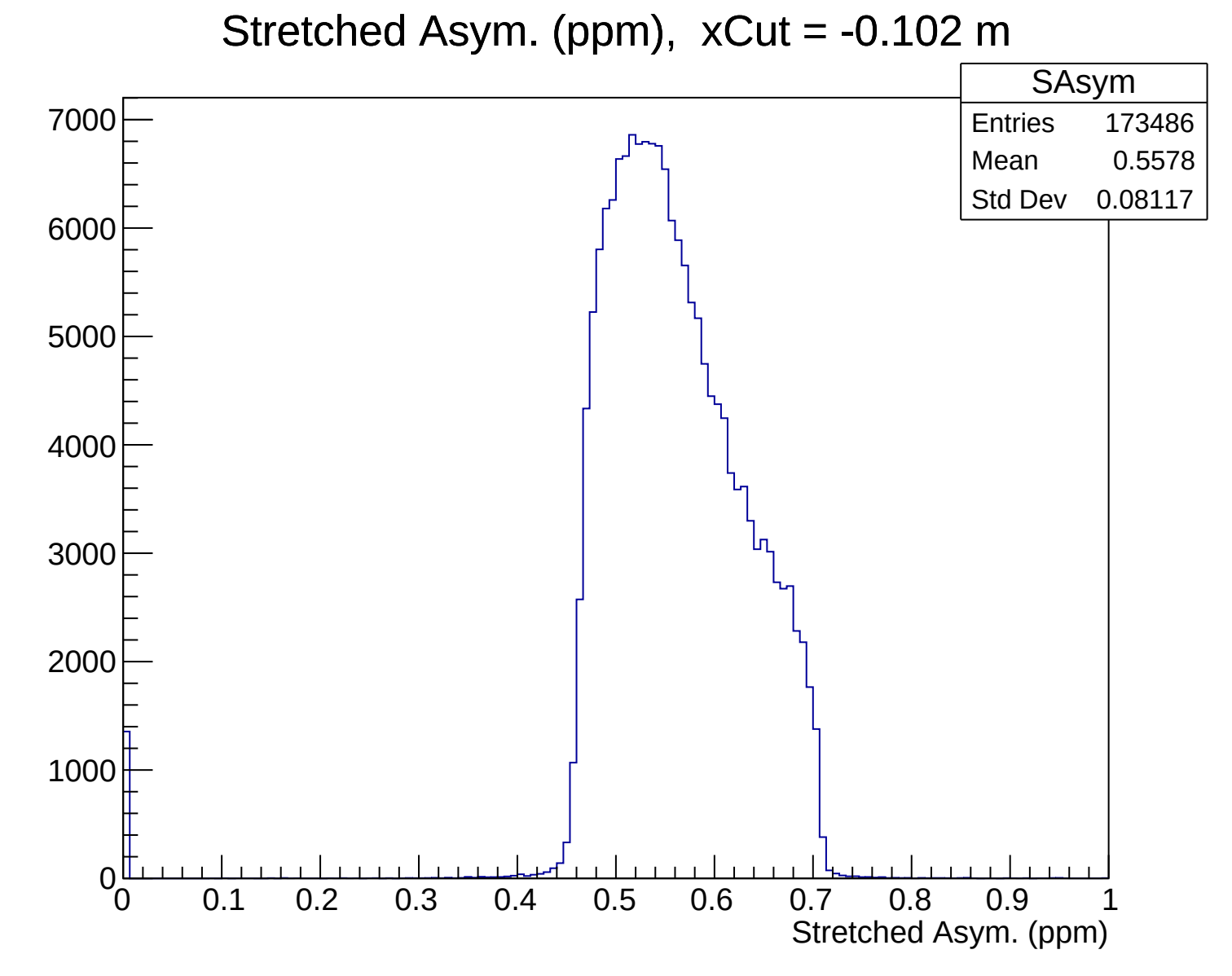

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

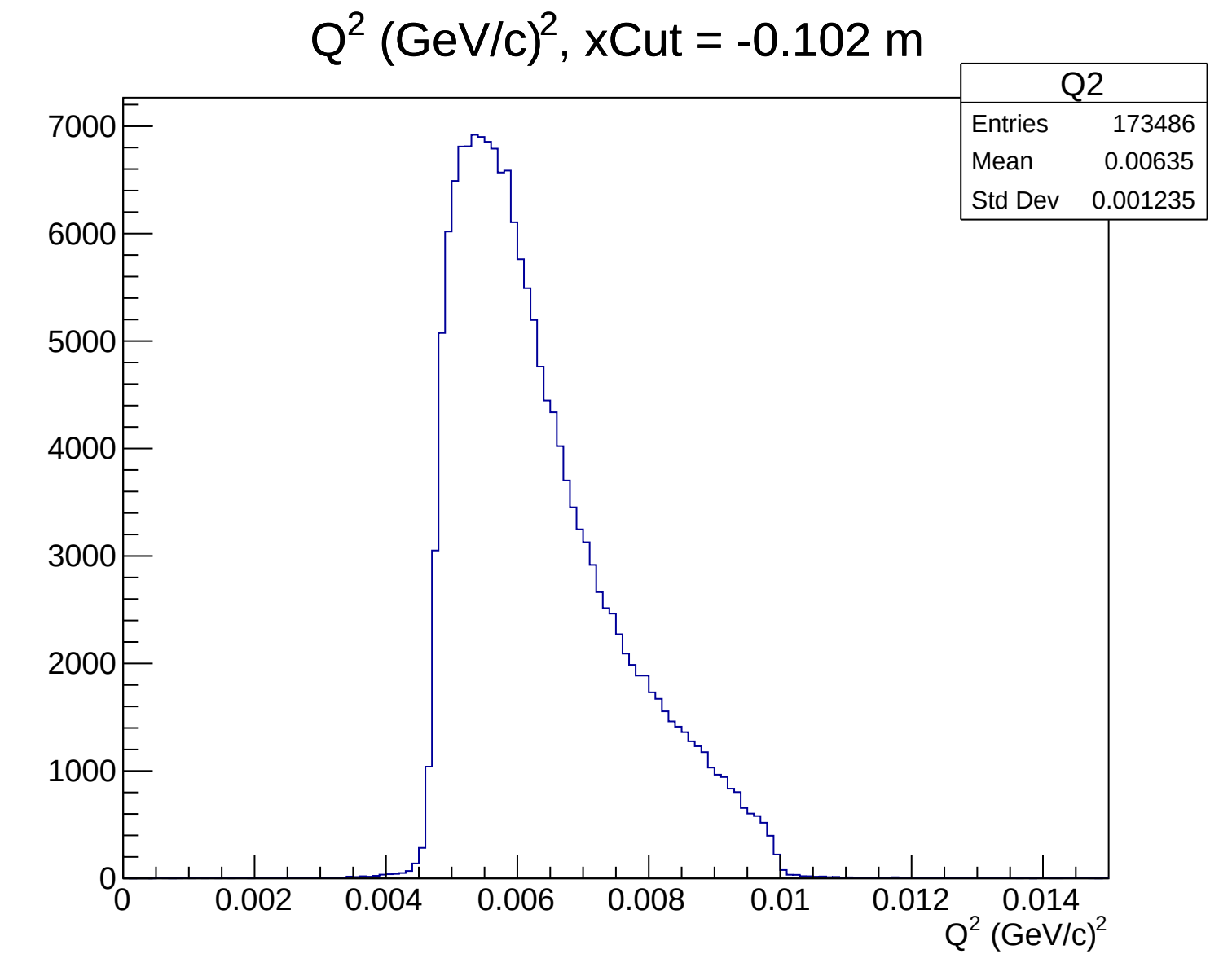

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.102
R.tr.x[0]+1.3*R.tr.th[0] (m)

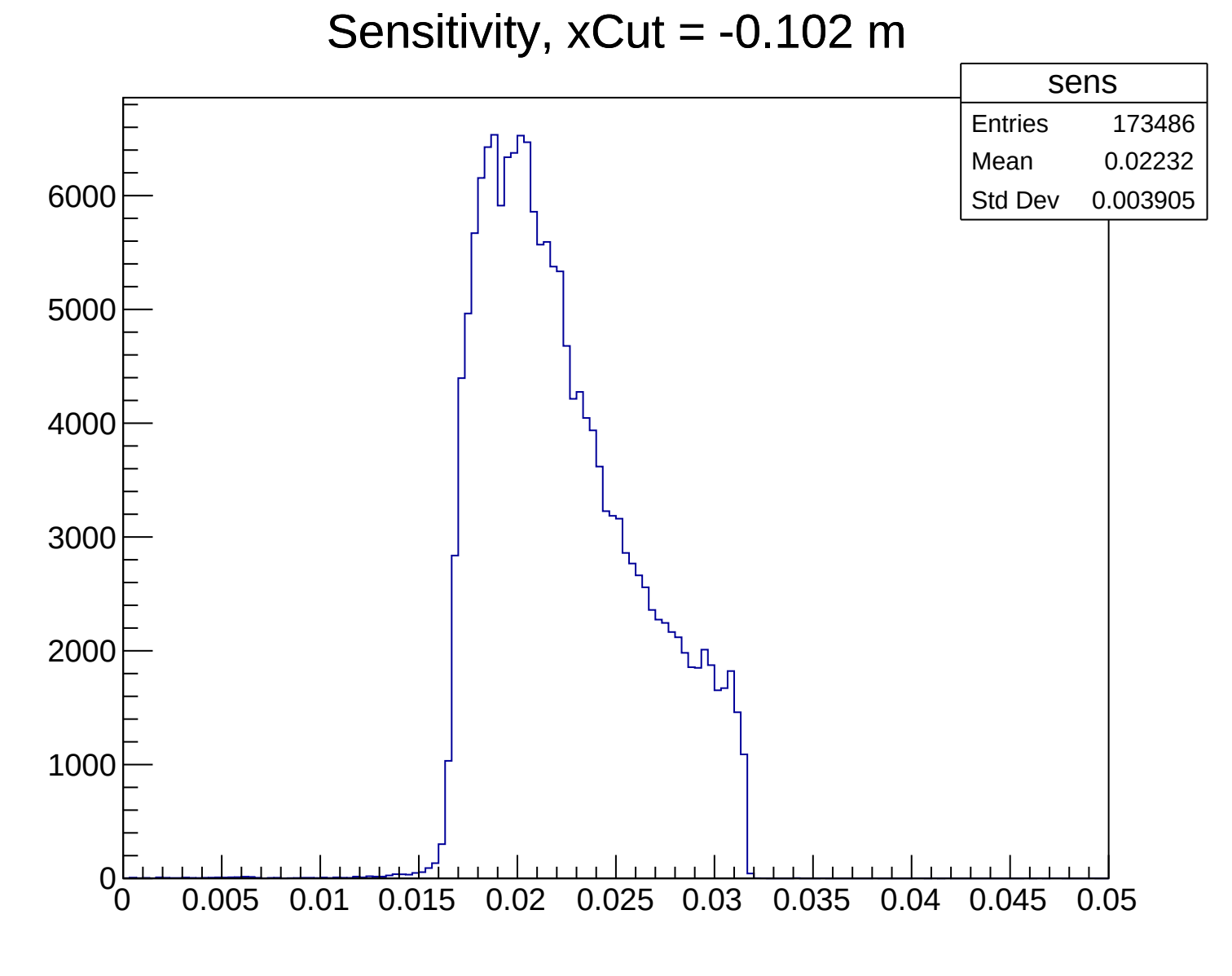

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

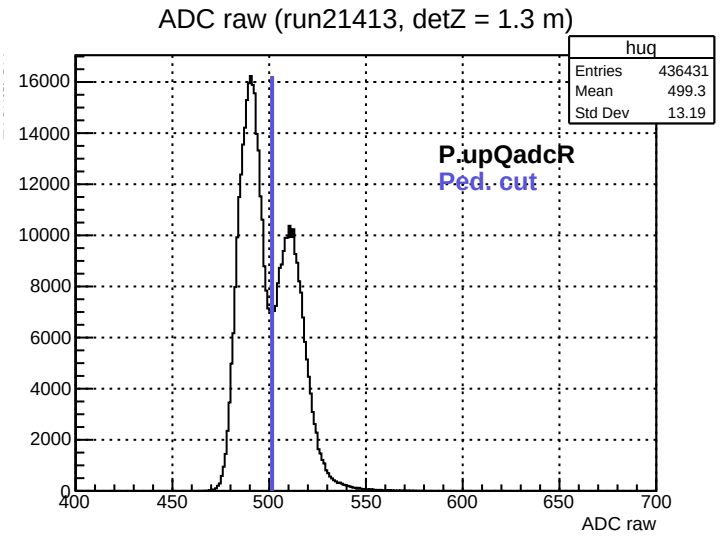

θlab (deg), xCut = -0.102 m
Theta
Entries 173486
Mean 4.795
Std Dev 0.4566
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

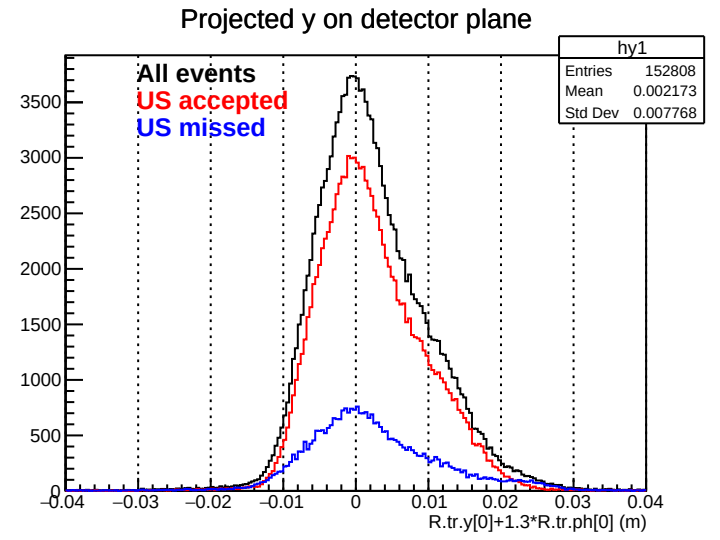

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 173486
Mean 0.5708
Std Dev 0.0849
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

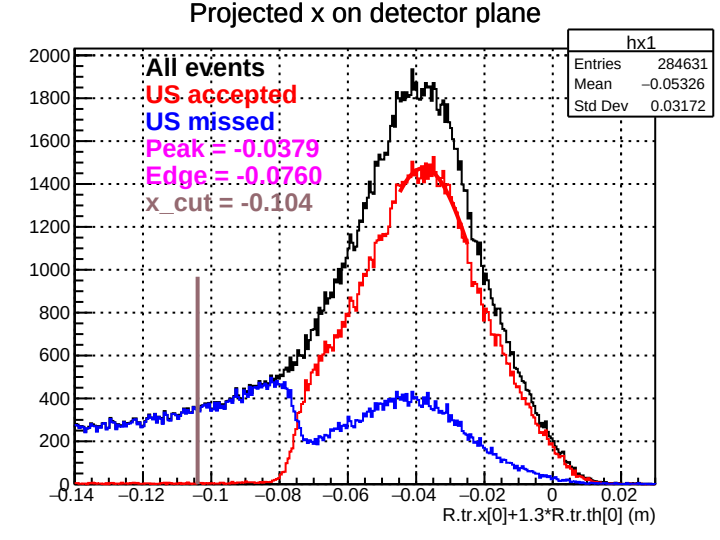

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 173486
Mean 0.5578
Std Dev 0.08117
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

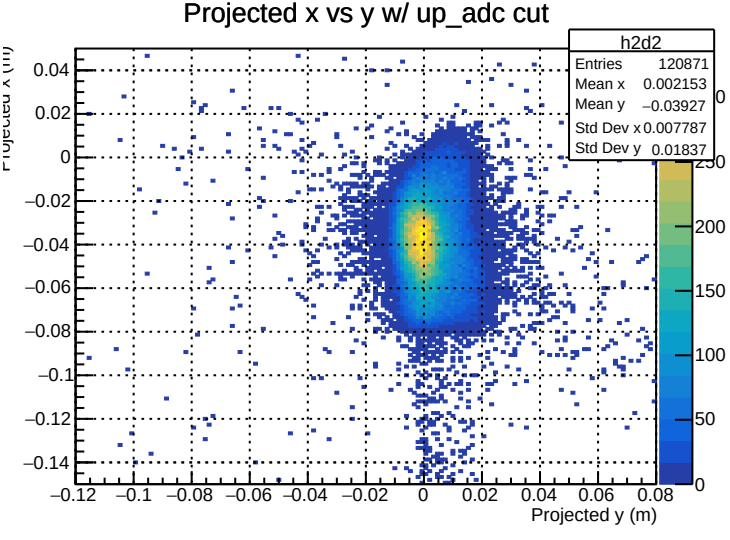

$Q^2$ (GeV/c)$^2$, xCut = -0.102 m
Q2
Entries 173486
Mean 0.00635
Std Dev 0.001235
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

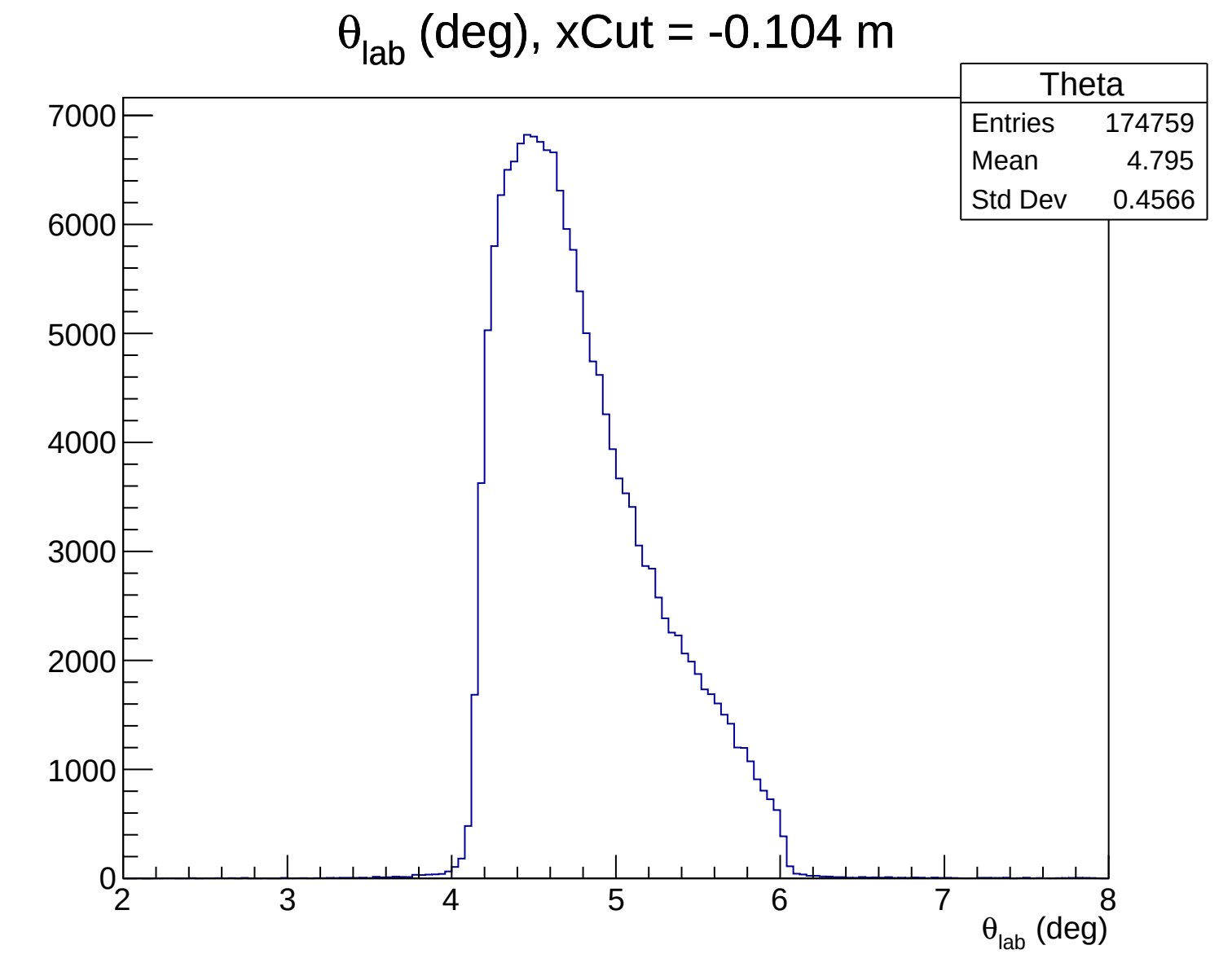

Sensitivity, xCut = -0.102 m
sens
Entries 173486
Mean 0.02232
Std Dev 0.003905
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

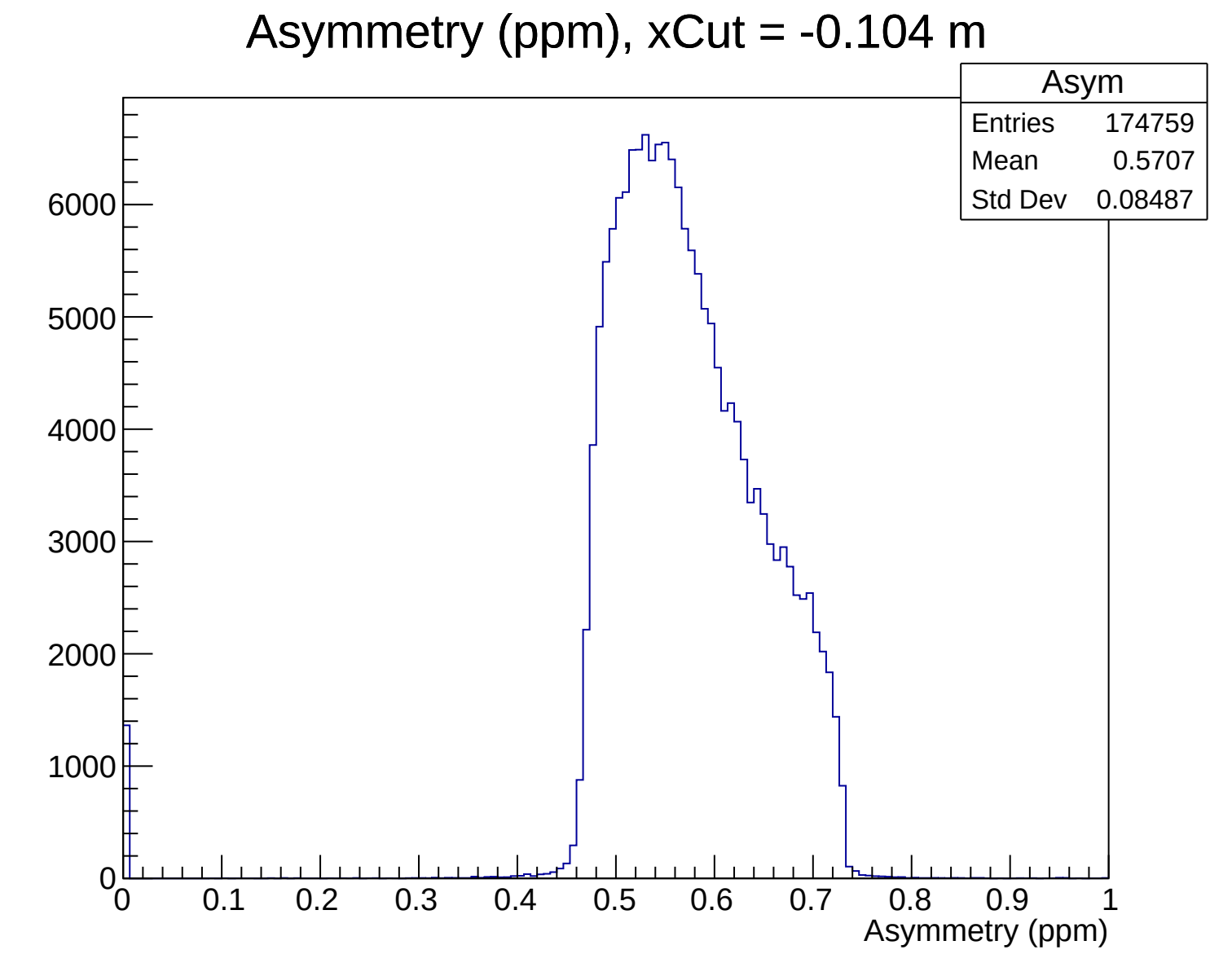

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

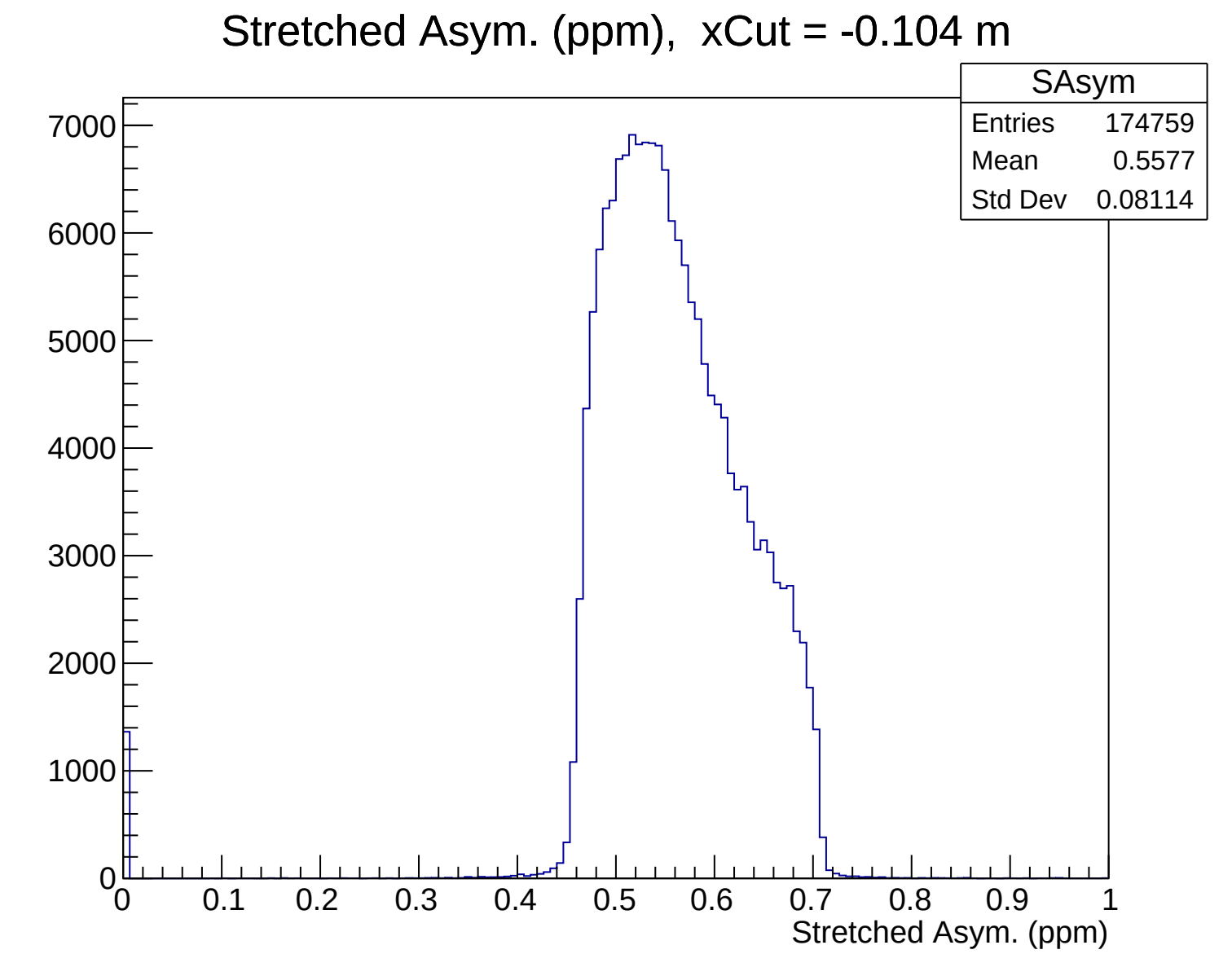

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

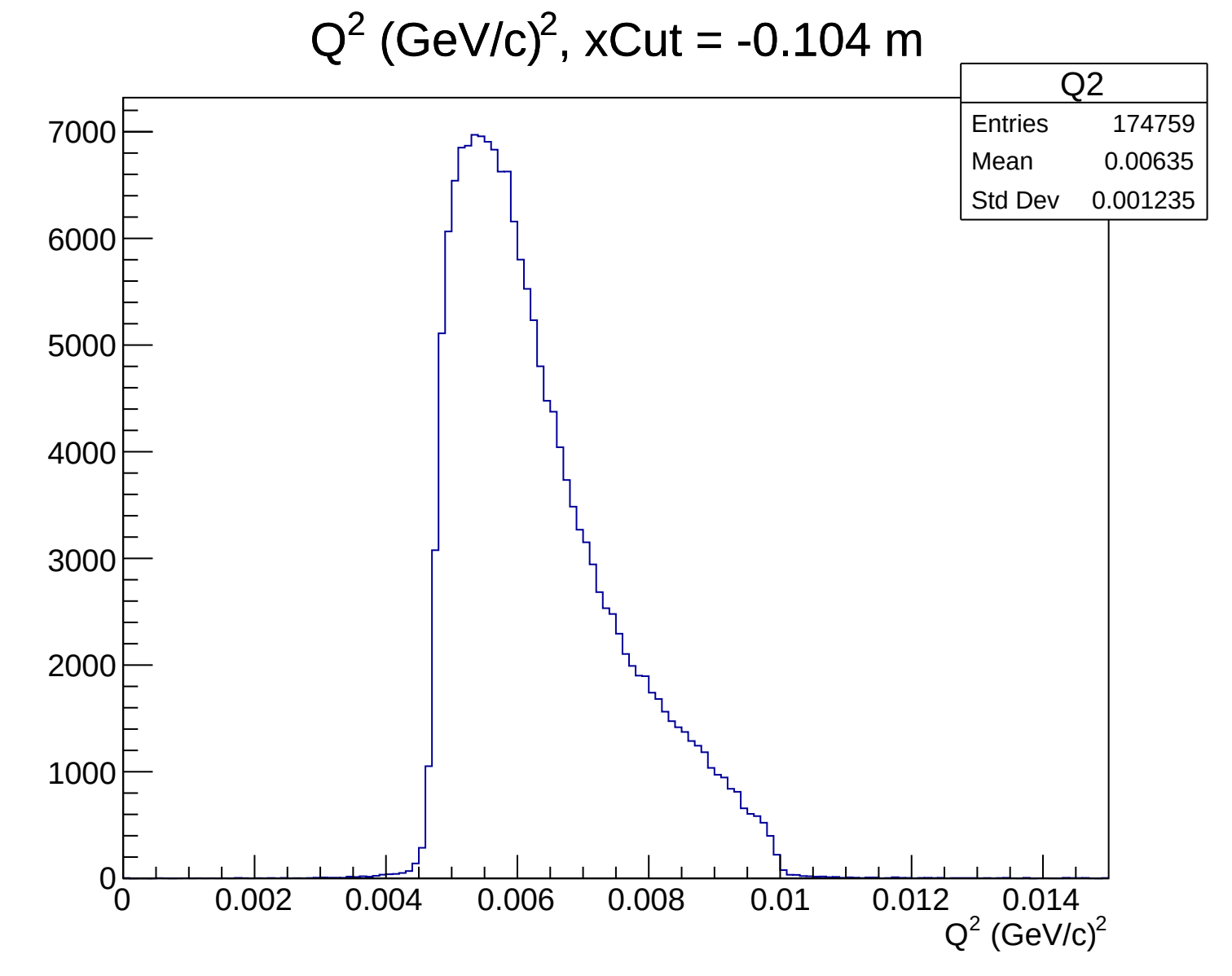

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.104
R.tr.x[0]+1.3*R.tr.th[0] (m)

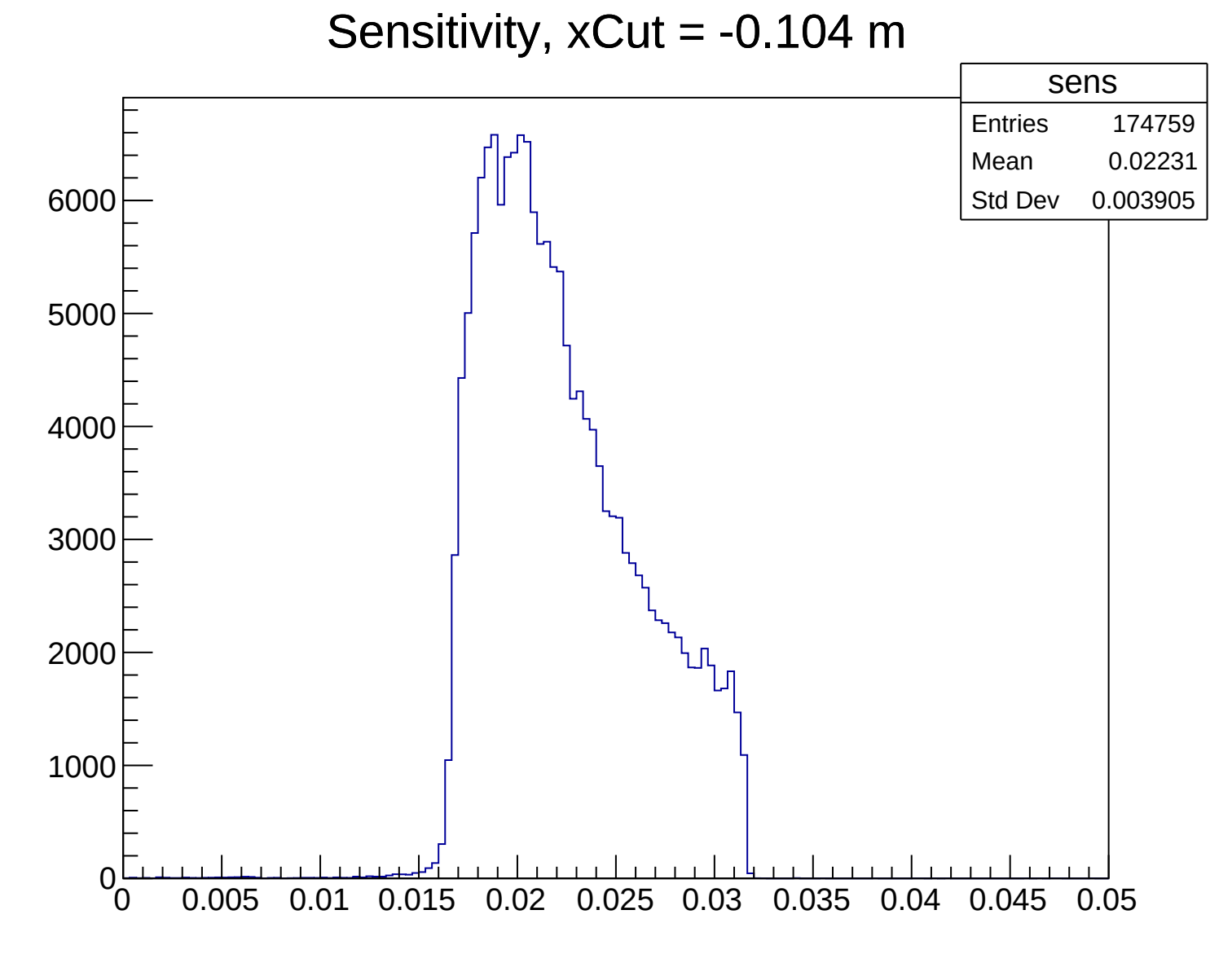

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

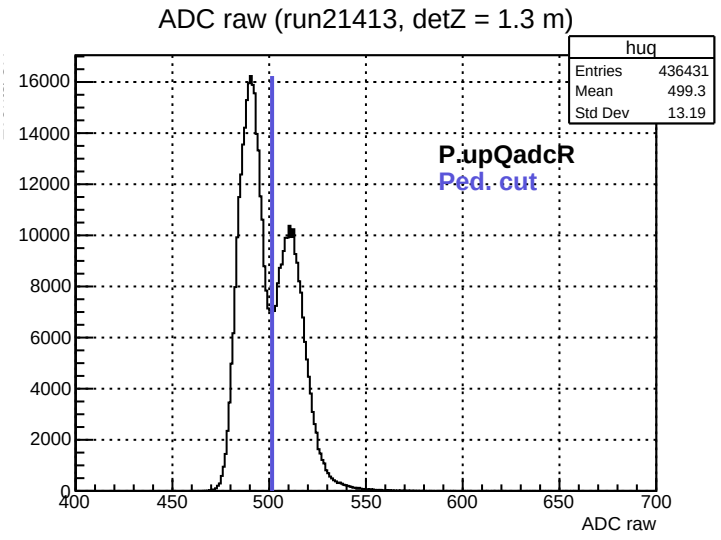

θlab (deg), xCut = -0.104 m
Theta
Entries 174759
Mean 4.795
Std Dev 0.4566
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

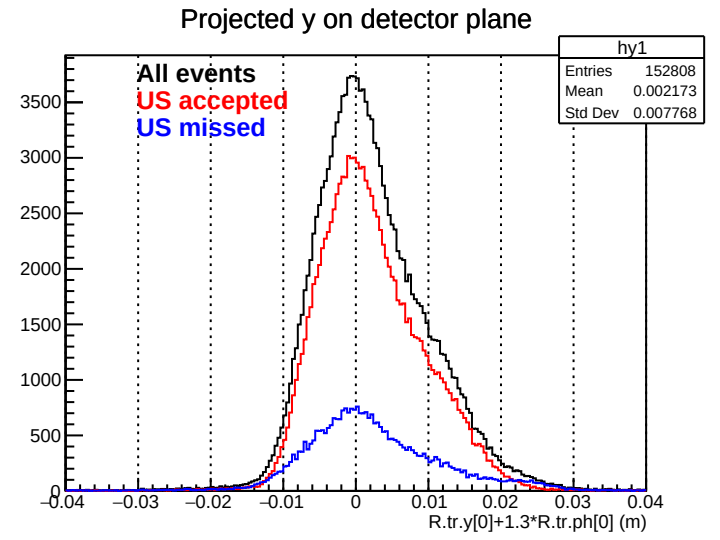

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 174759
Mean 0.5707
Std Dev 0.08487
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

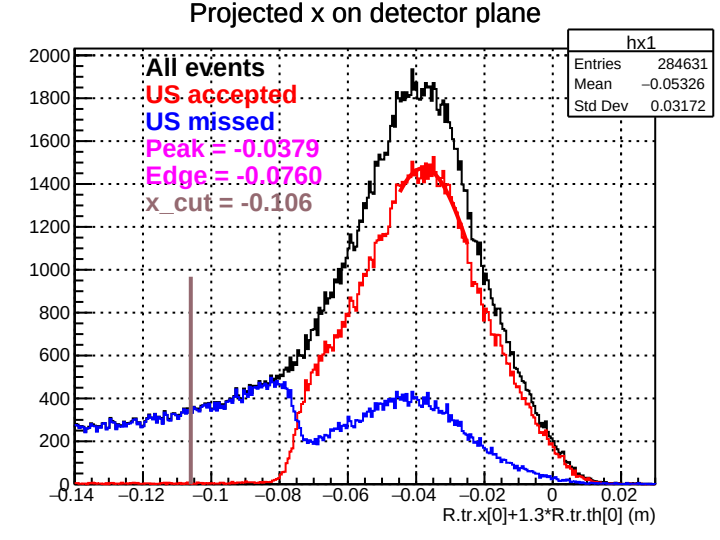

Stretched Asym. (ppm),  xCut = -0.104 m
SAsym
Entries 174759
Mean 0.5577
Std Dev 0.08114
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

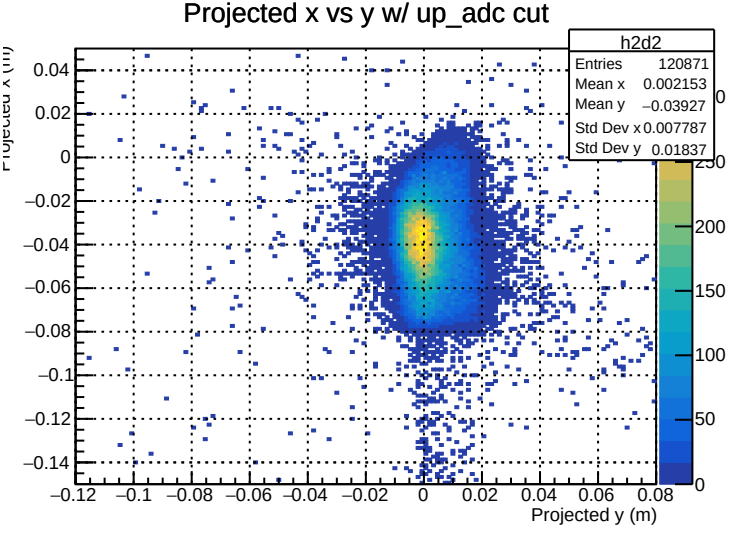

$Q^2$ (GeV/c)$^2$, xCut = -0.104 m
Q2
Entries 174759
Mean 0.00635
Std Dev 0.001235
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

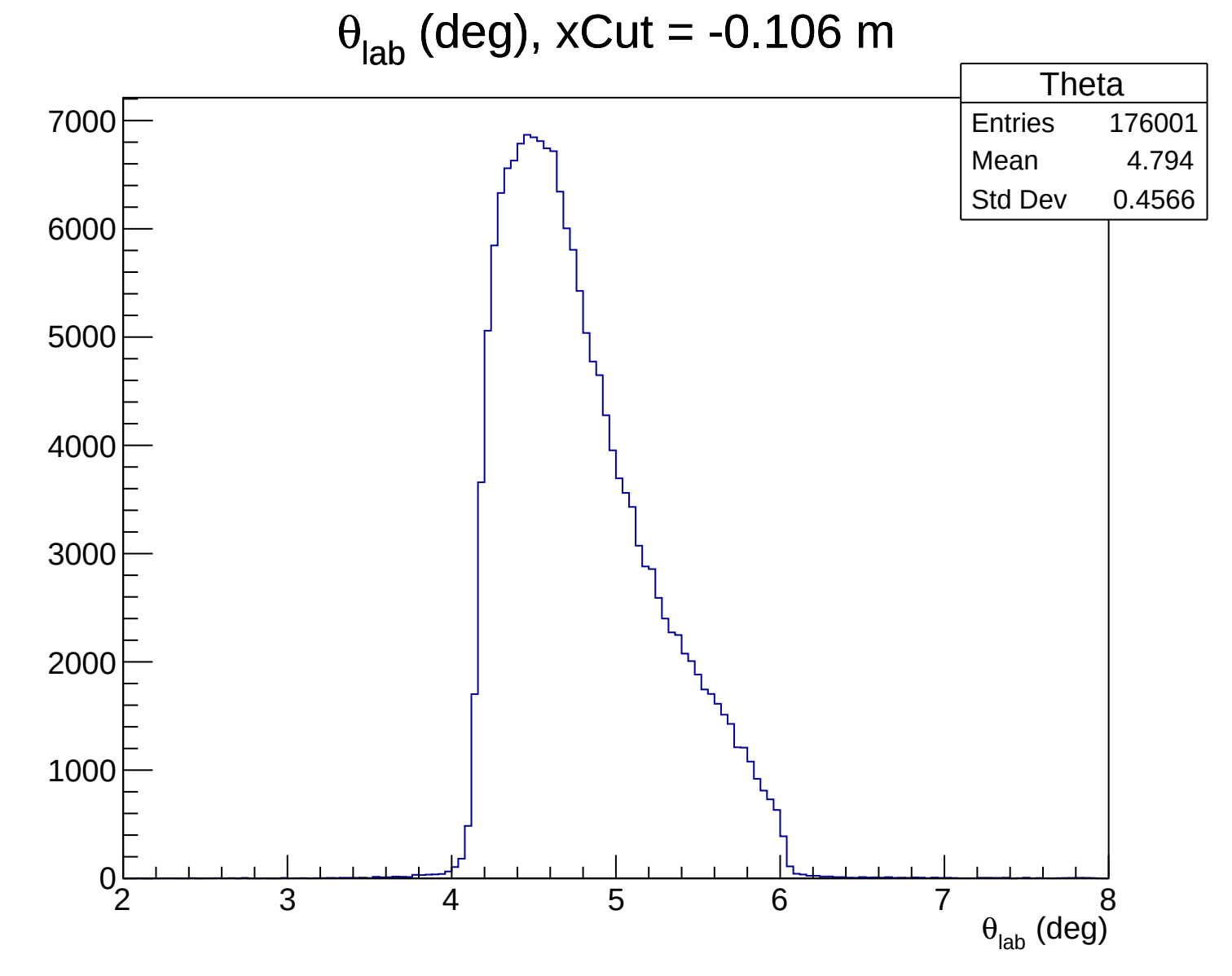

Sensitivity, xCut = -0.104 m
sens
Entries 174759
Mean 0.02231
Std Dev 0.003905
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

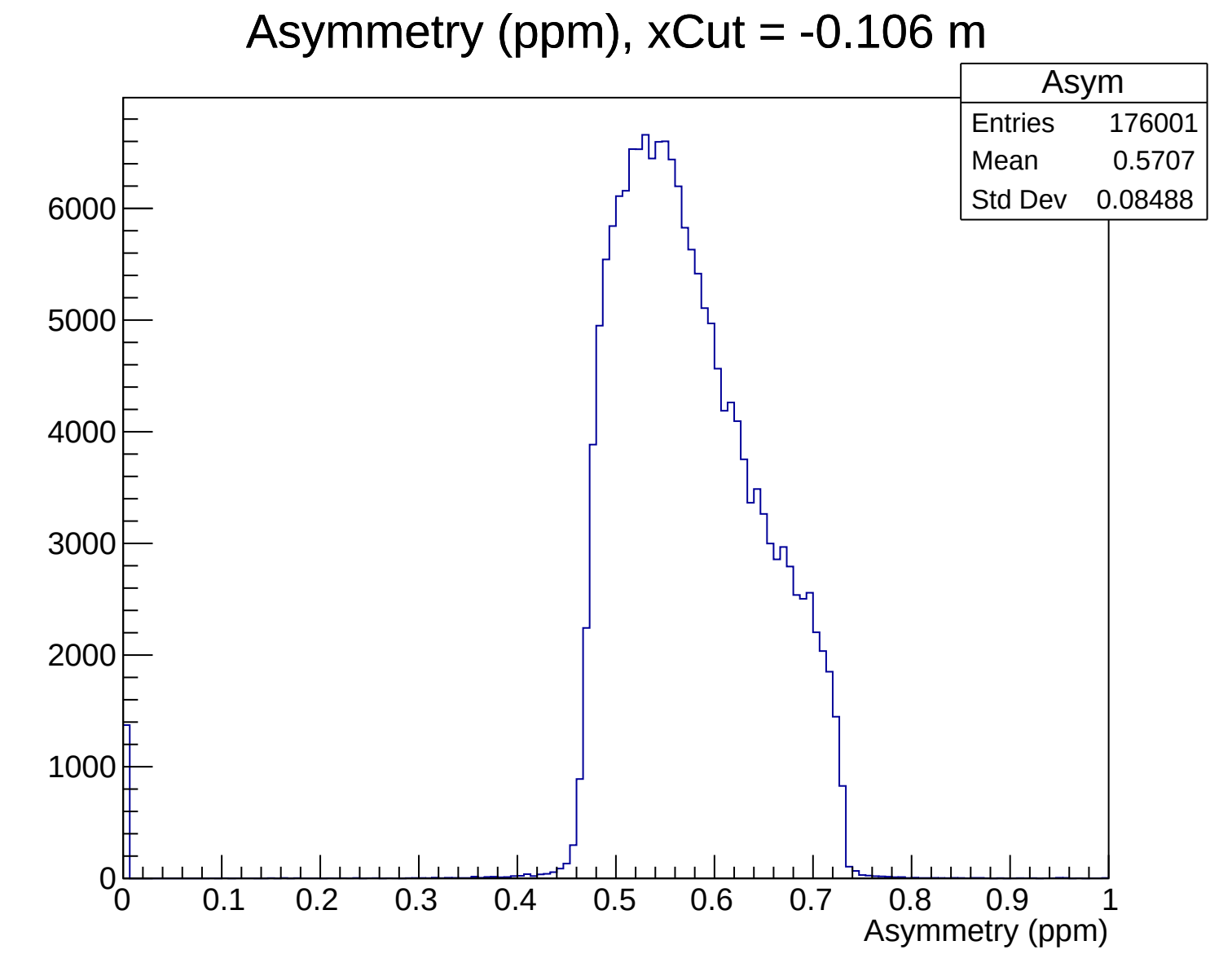

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

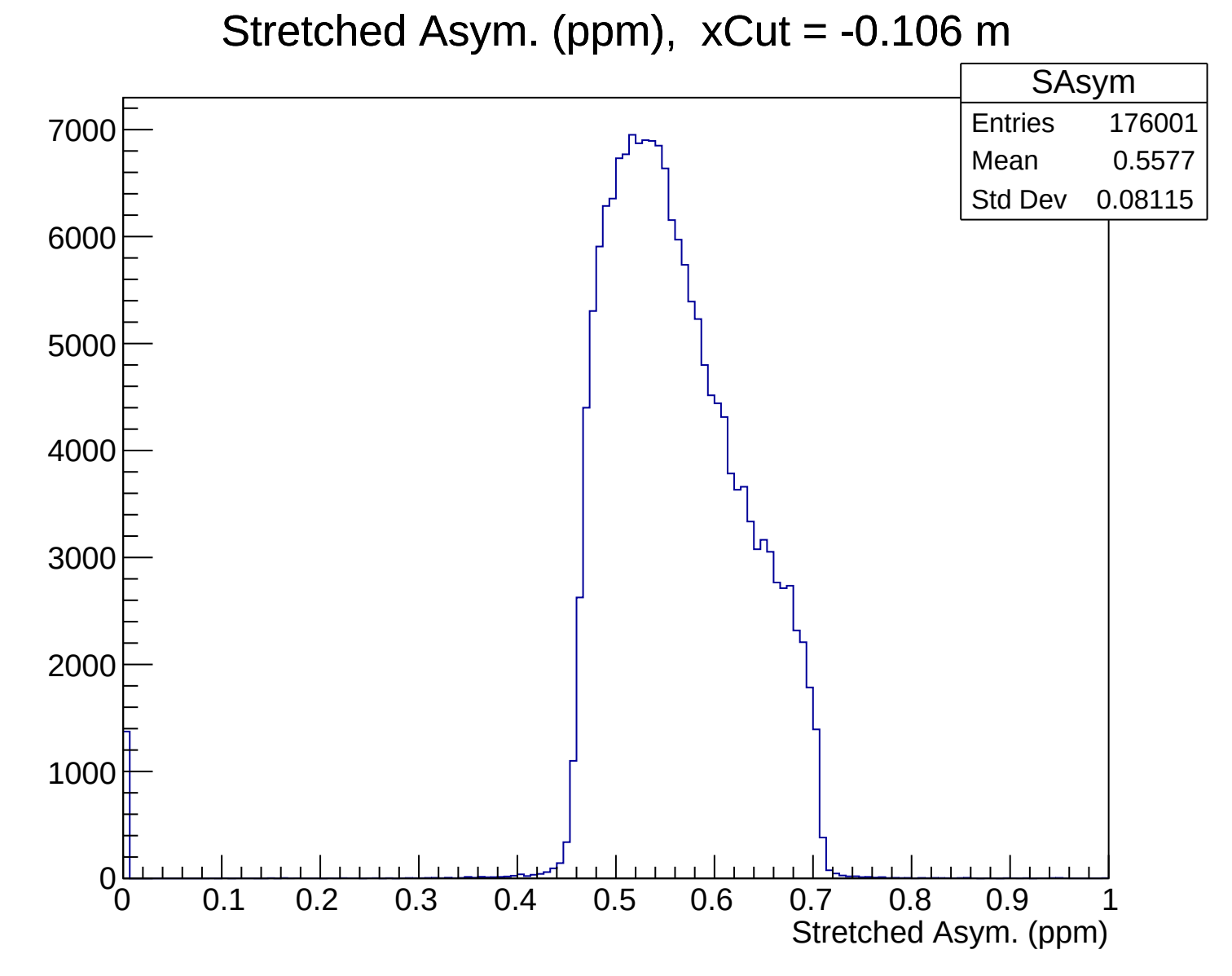

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

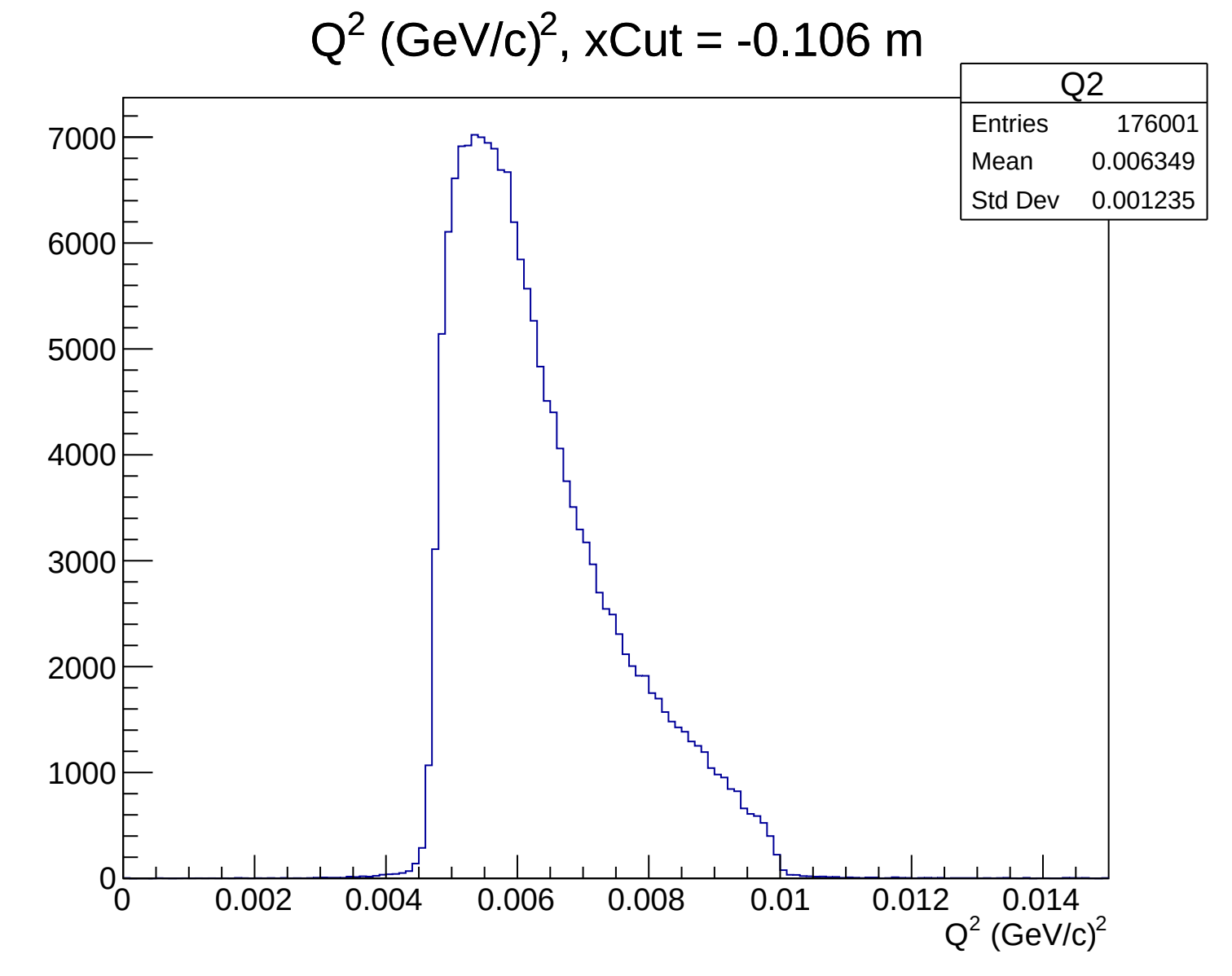

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.106
R.tr.x[0]+1.3*R.tr.th[0] (m)

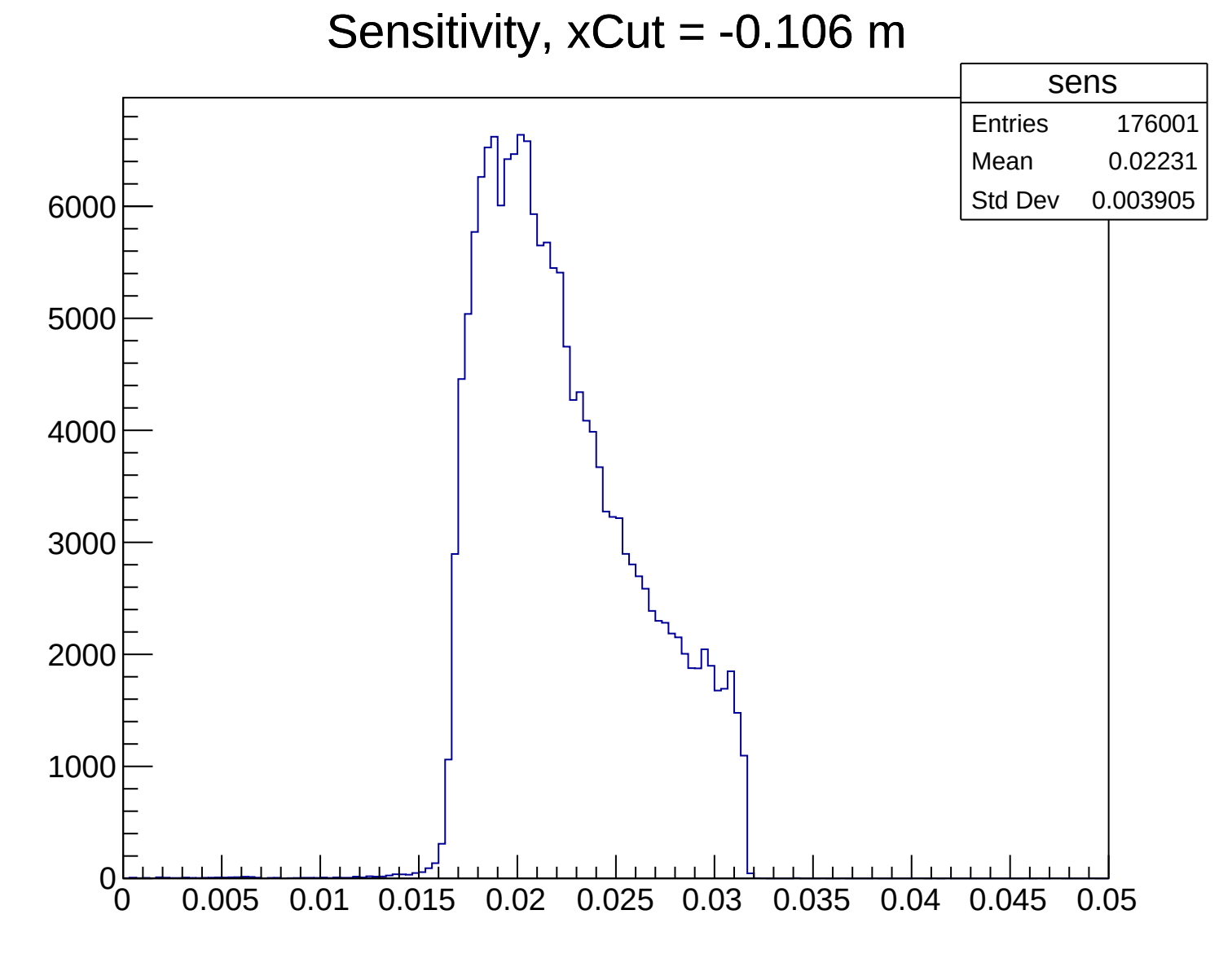

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

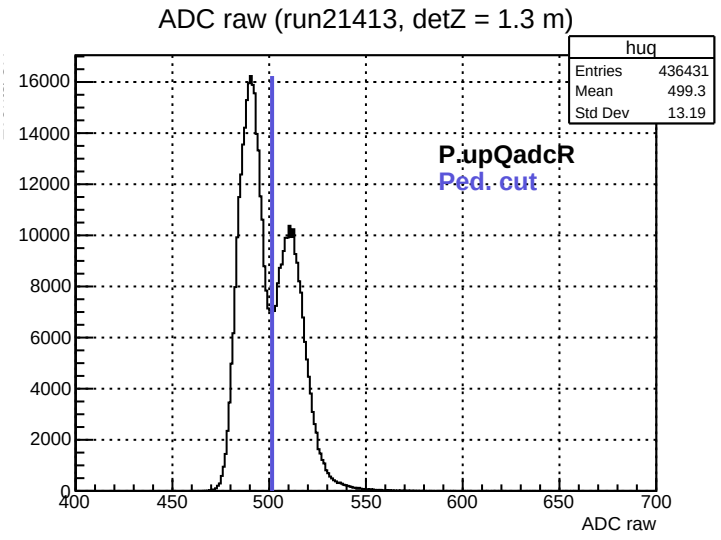

θlab (deg), xCut = -0.106 m
Theta
Entries 176001
Mean 4.794
Std Dev 0.4566
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

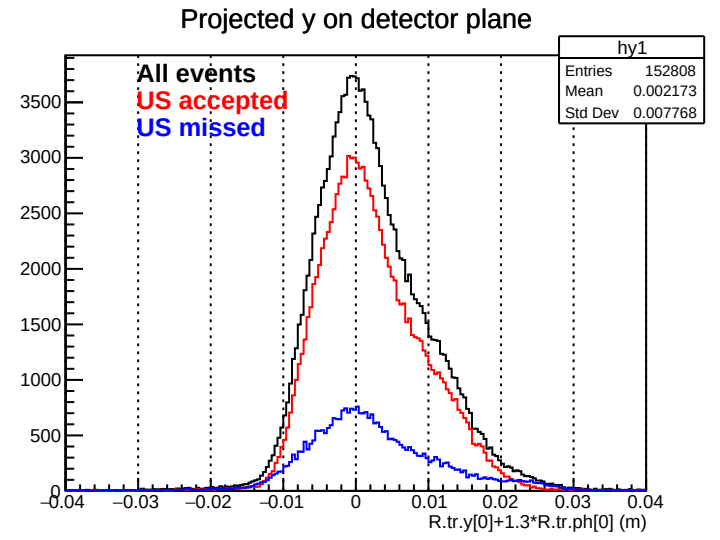

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 176001
Mean 0.5707
Std Dev 0.08488
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

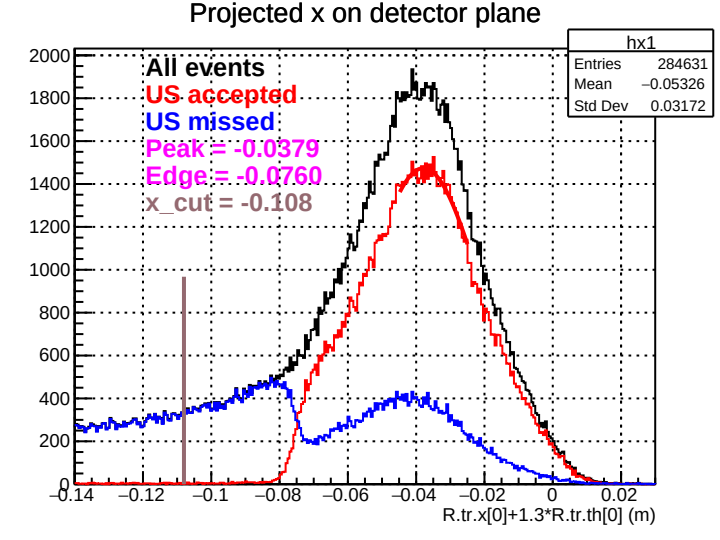

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 176001
Mean 0.5577
Std Dev 0.08115
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

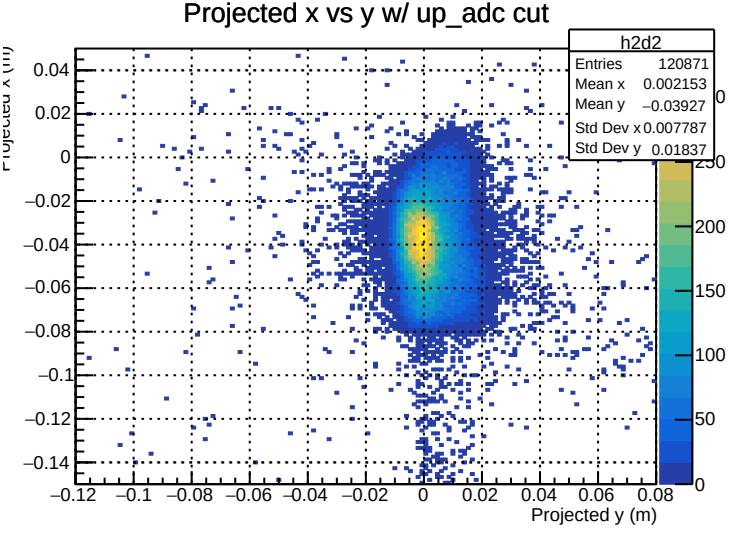

$Q^2$ (GeV/c)$^2$, xCut = -0.106 m
Q2
Entries 176001
Mean 0.006349
Std Dev 0.001235
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

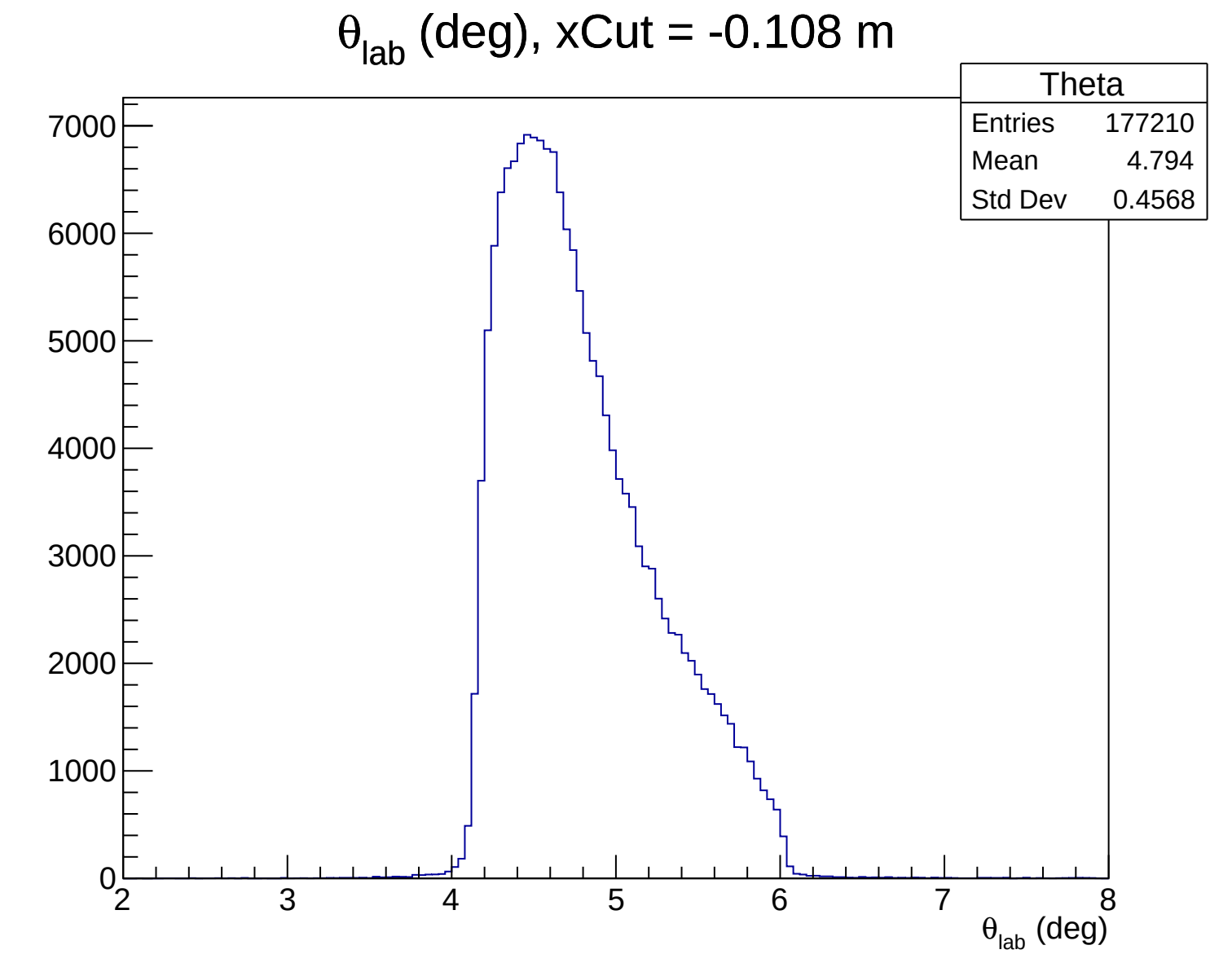

Sensitivity, xCut = -0.106 m
sens
Entries 176001
Mean 0.02231
Std Dev 0.003905
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

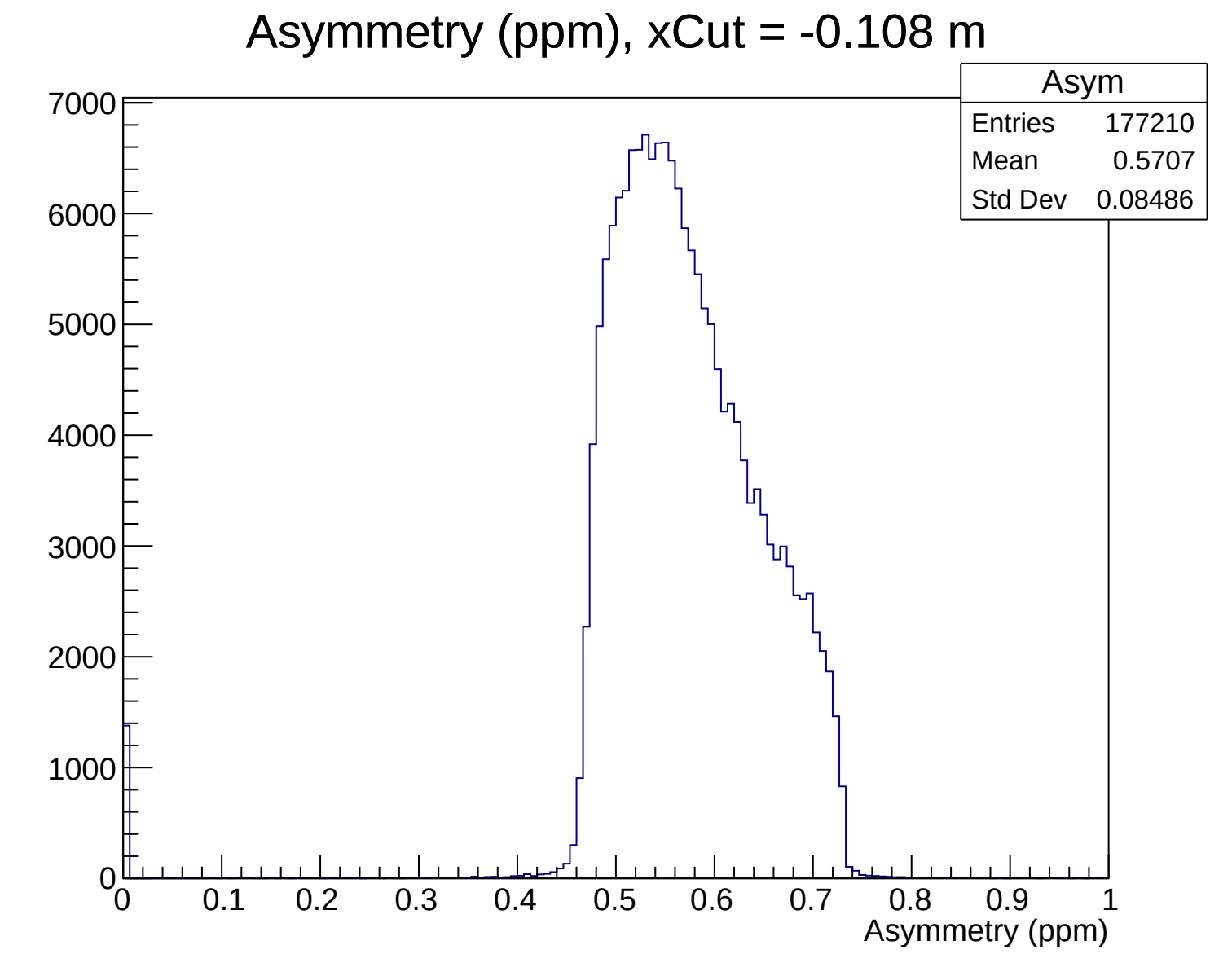

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

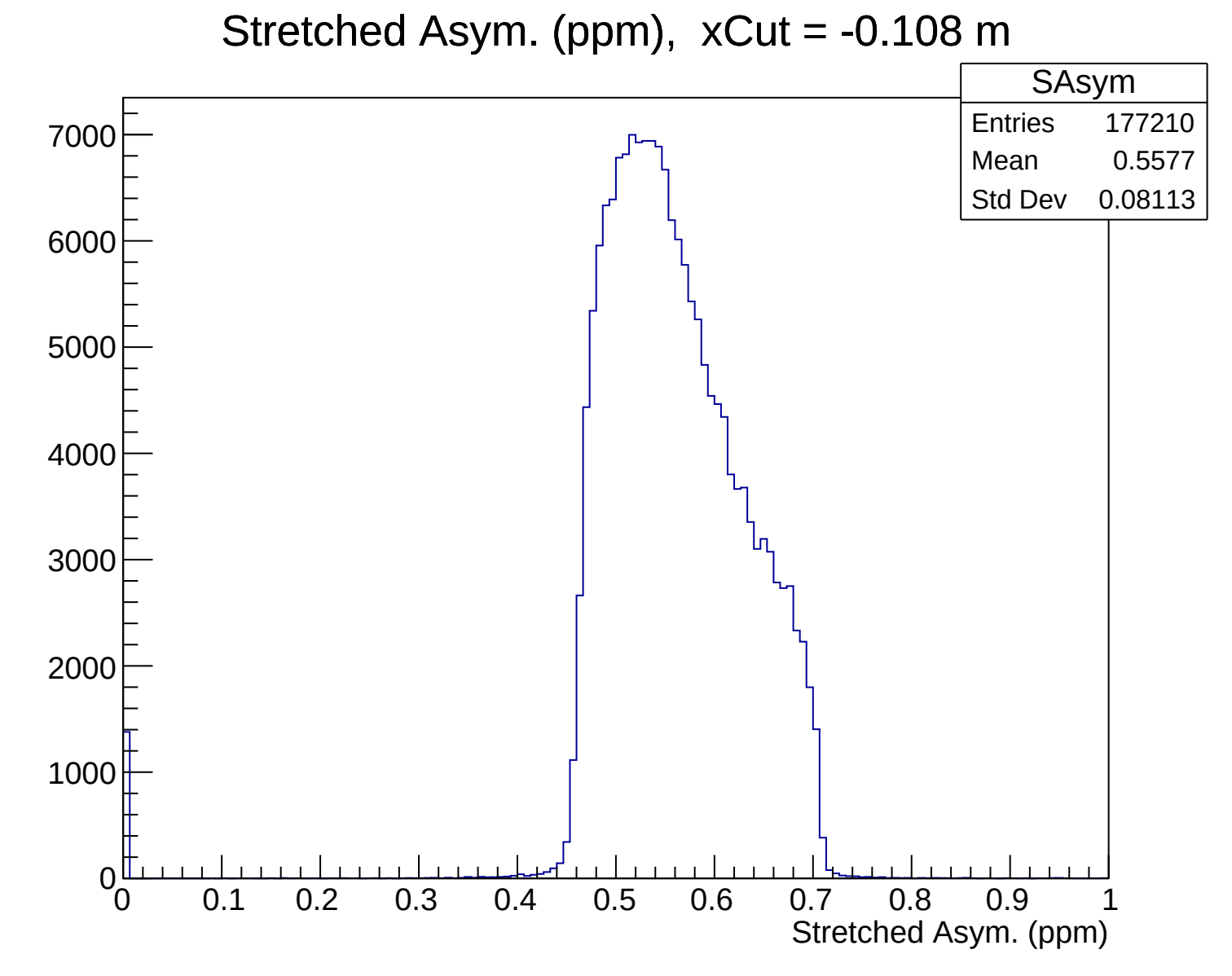

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

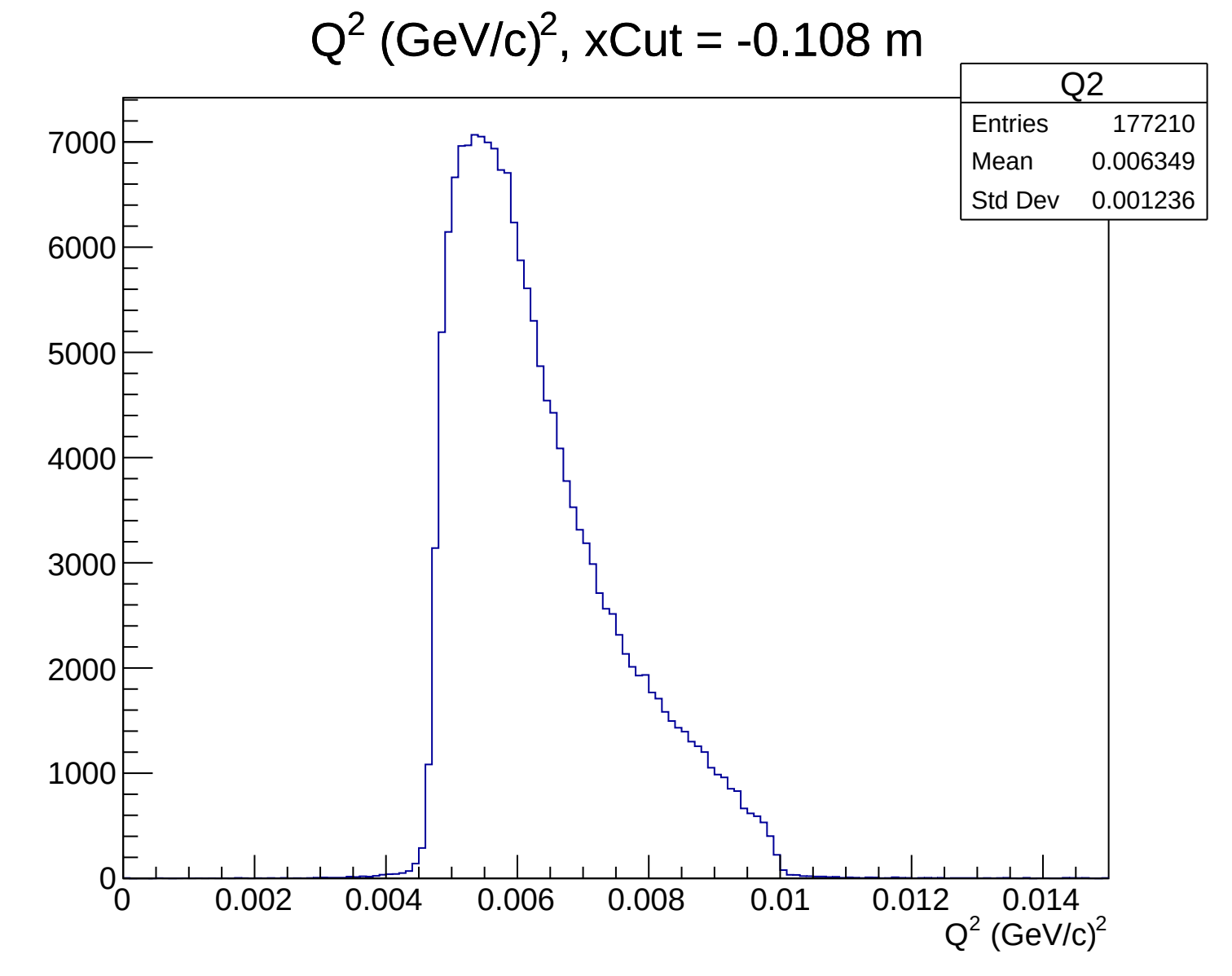

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.108
R.tr.x[0]+1.3*R.tr.th[0] (m)

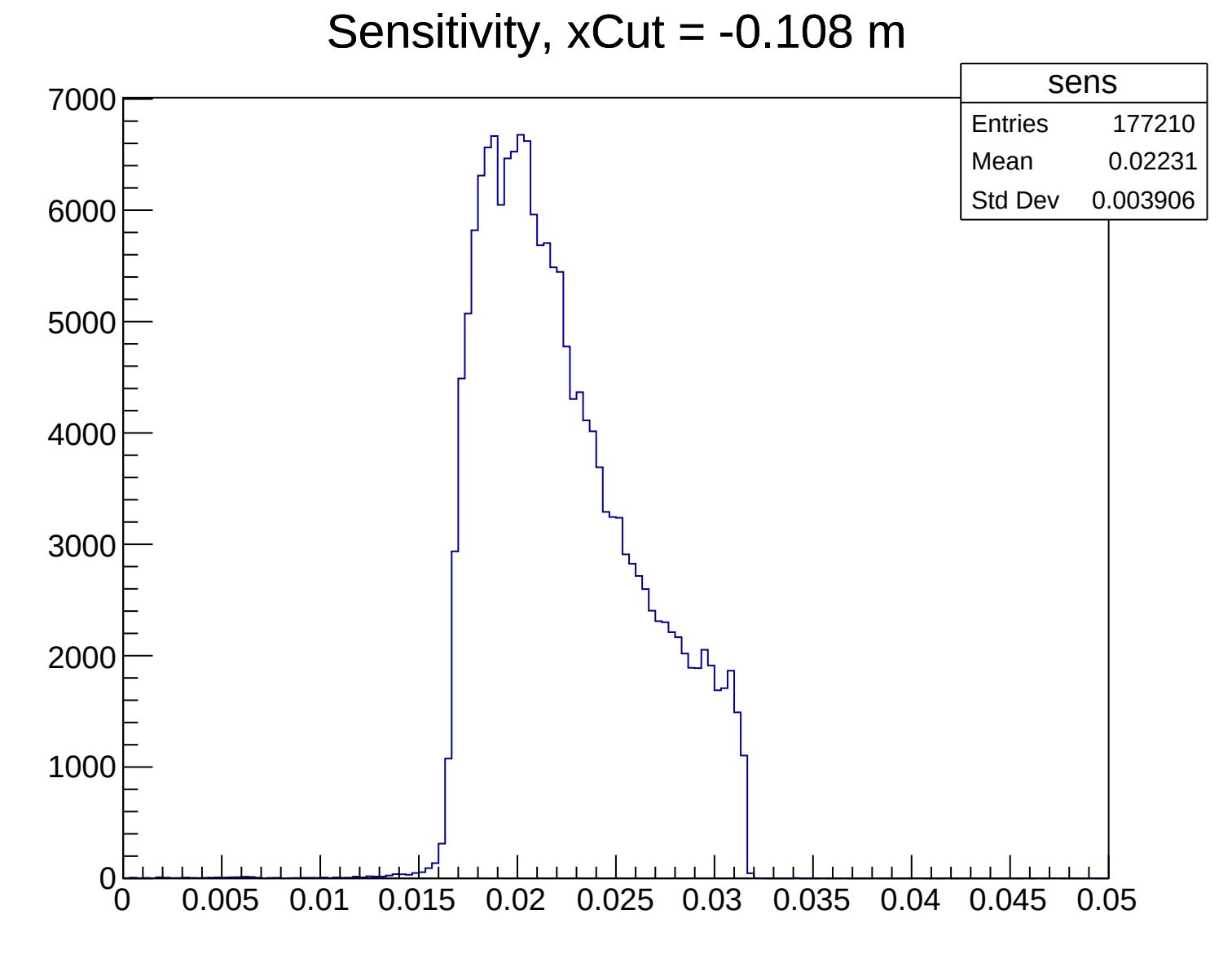

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

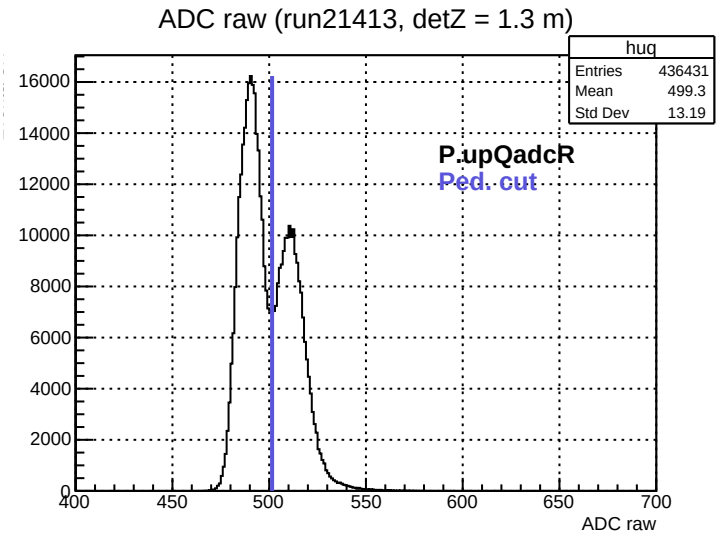

θlab (deg), xCut = -0.108 m
Theta
Entries 177210
Mean 4.794
Std Dev 0.4568
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

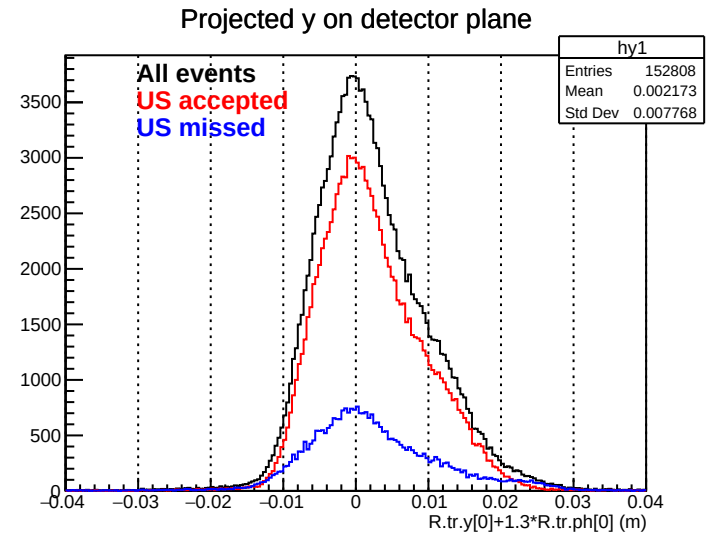

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 177210
Mean 0.5707
Std Dev 0.08486
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

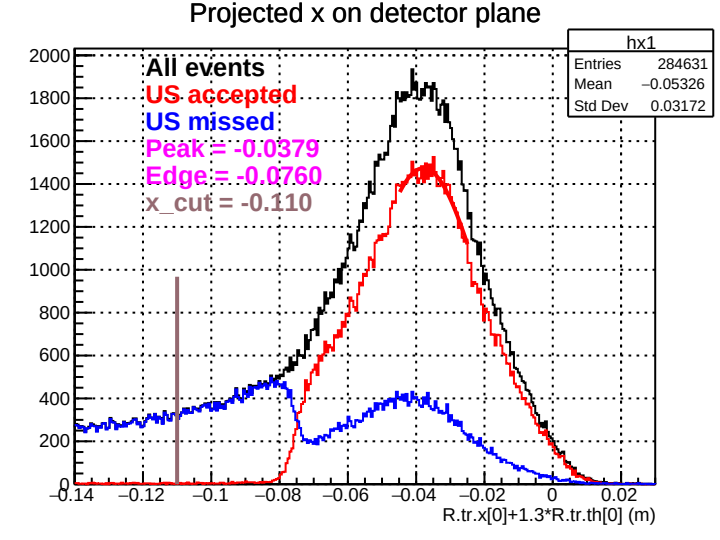

Stretched Asym. (ppm),  xCut = -0.108 m
SAsym
Entries 177210
Mean 0.5577
Std Dev 0.08113
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

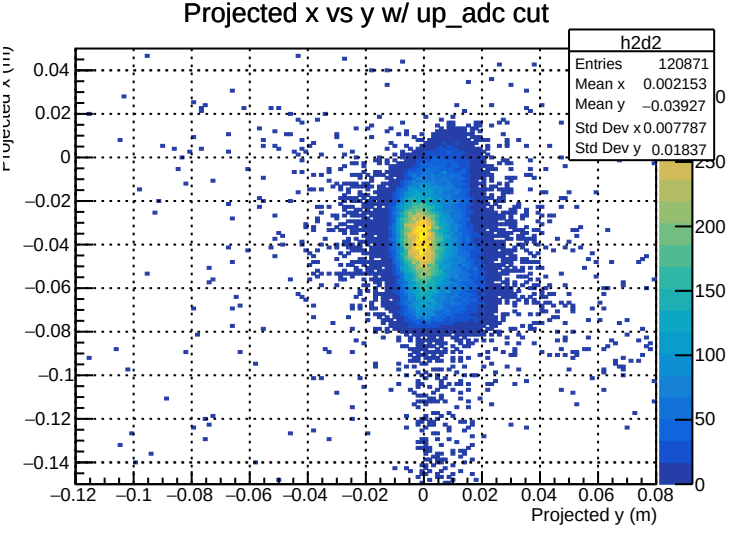

$Q^2$ (GeV/c)$^2$, xCut = -0.108 m
Q2
Entries 177210
Mean 0.006349
Std Dev 0.001236
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

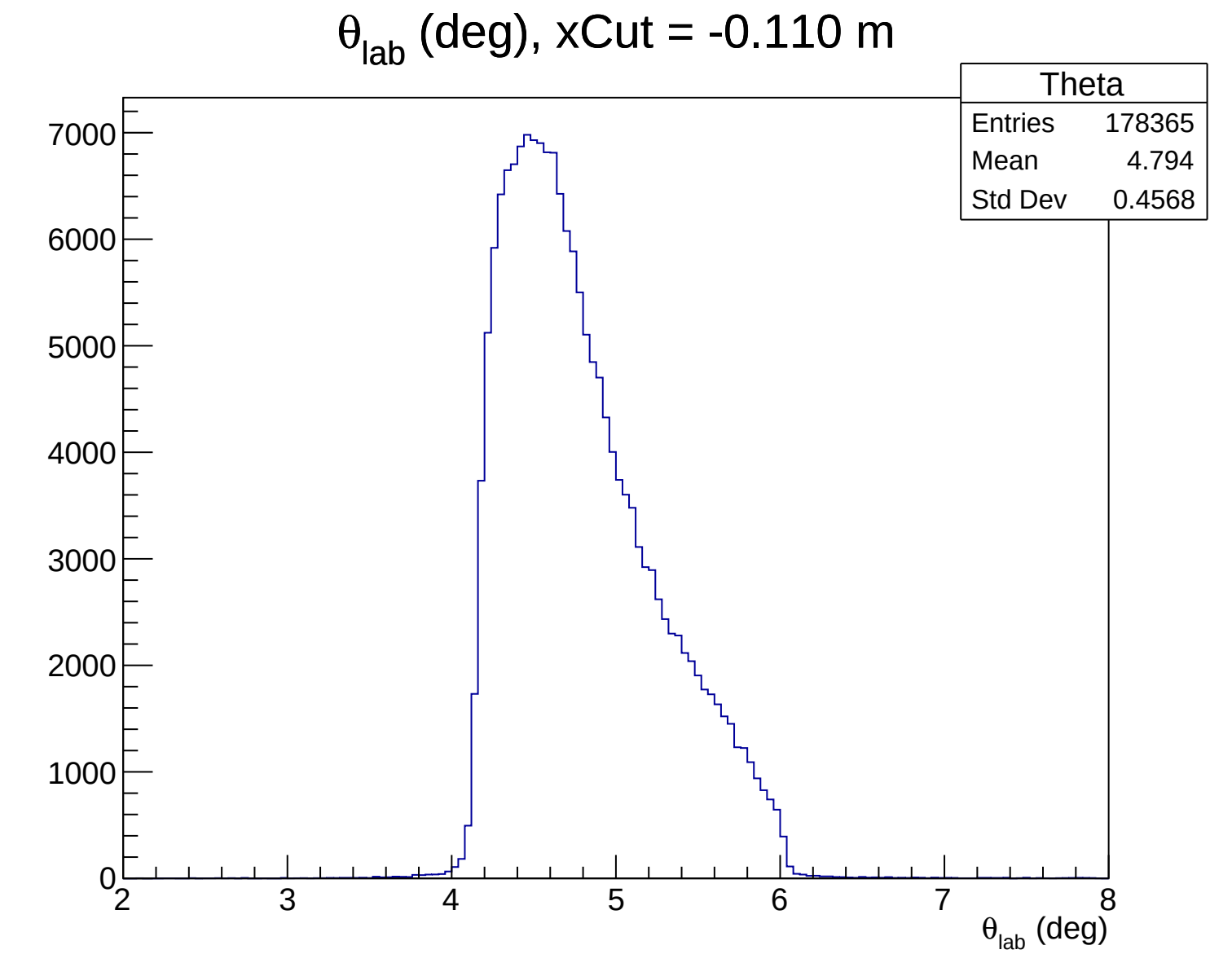

Sensitivity, xCut = -0.108 m
sens
Entries 177210
Mean 0.02231
Std Dev 0.003906
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

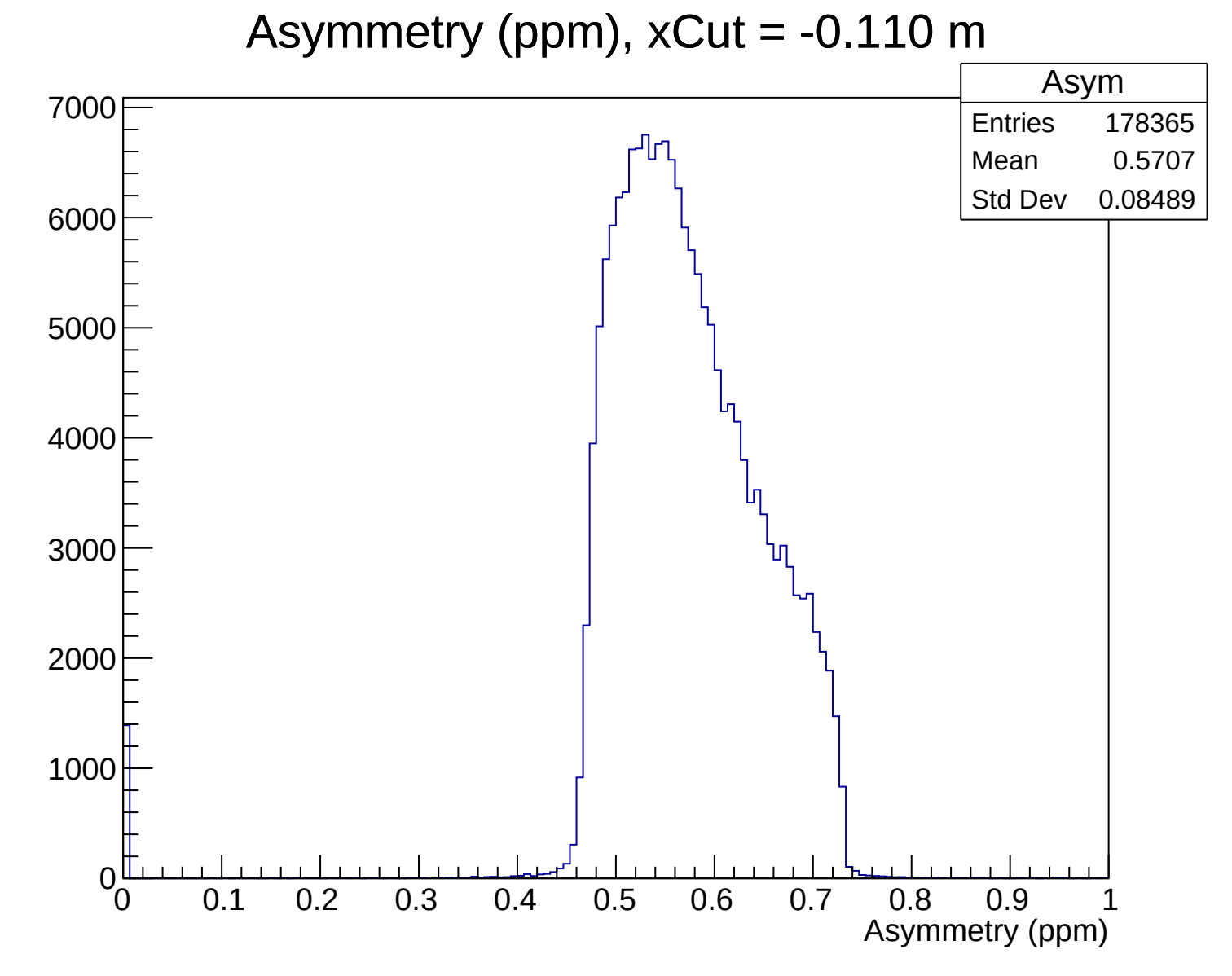

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

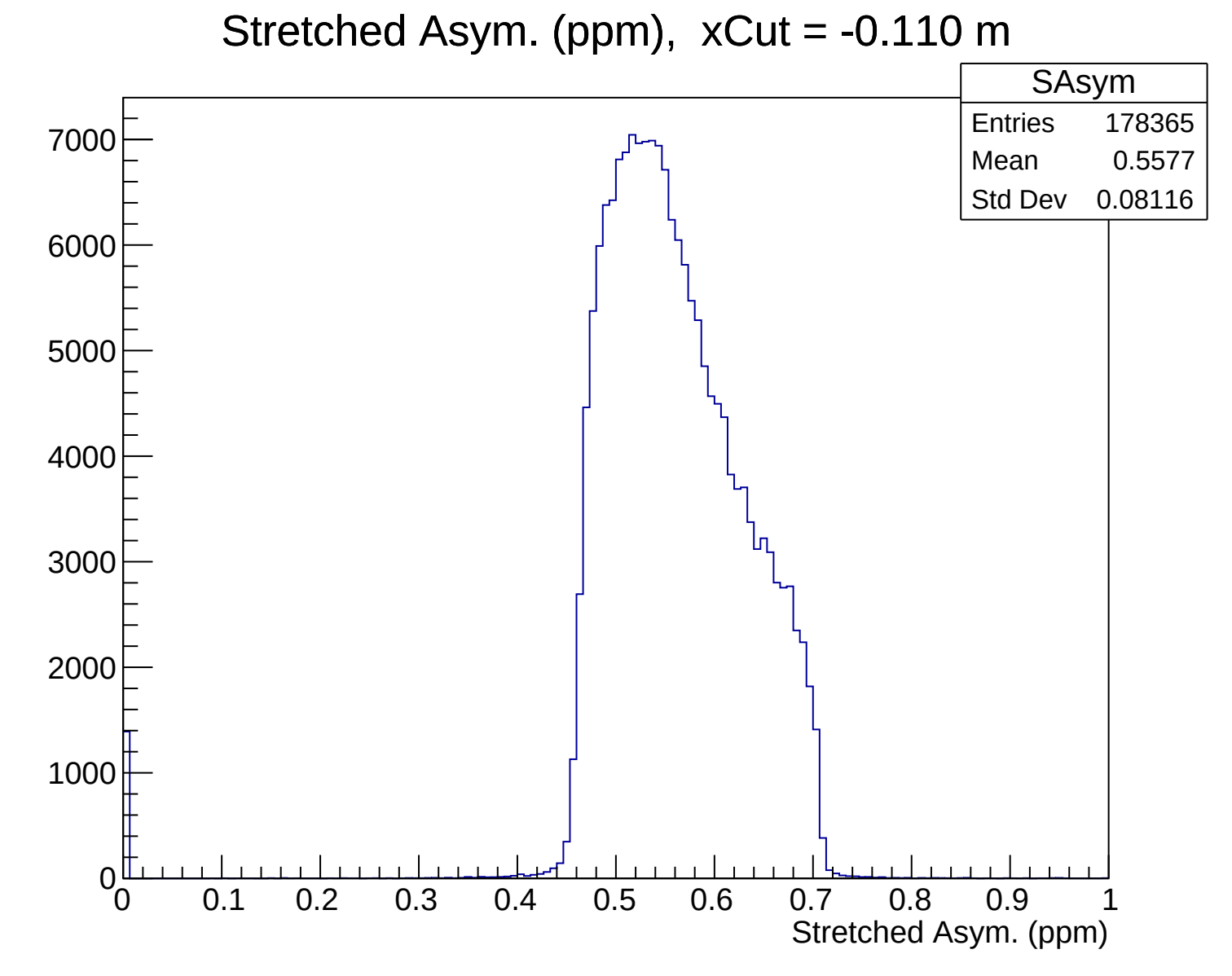

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

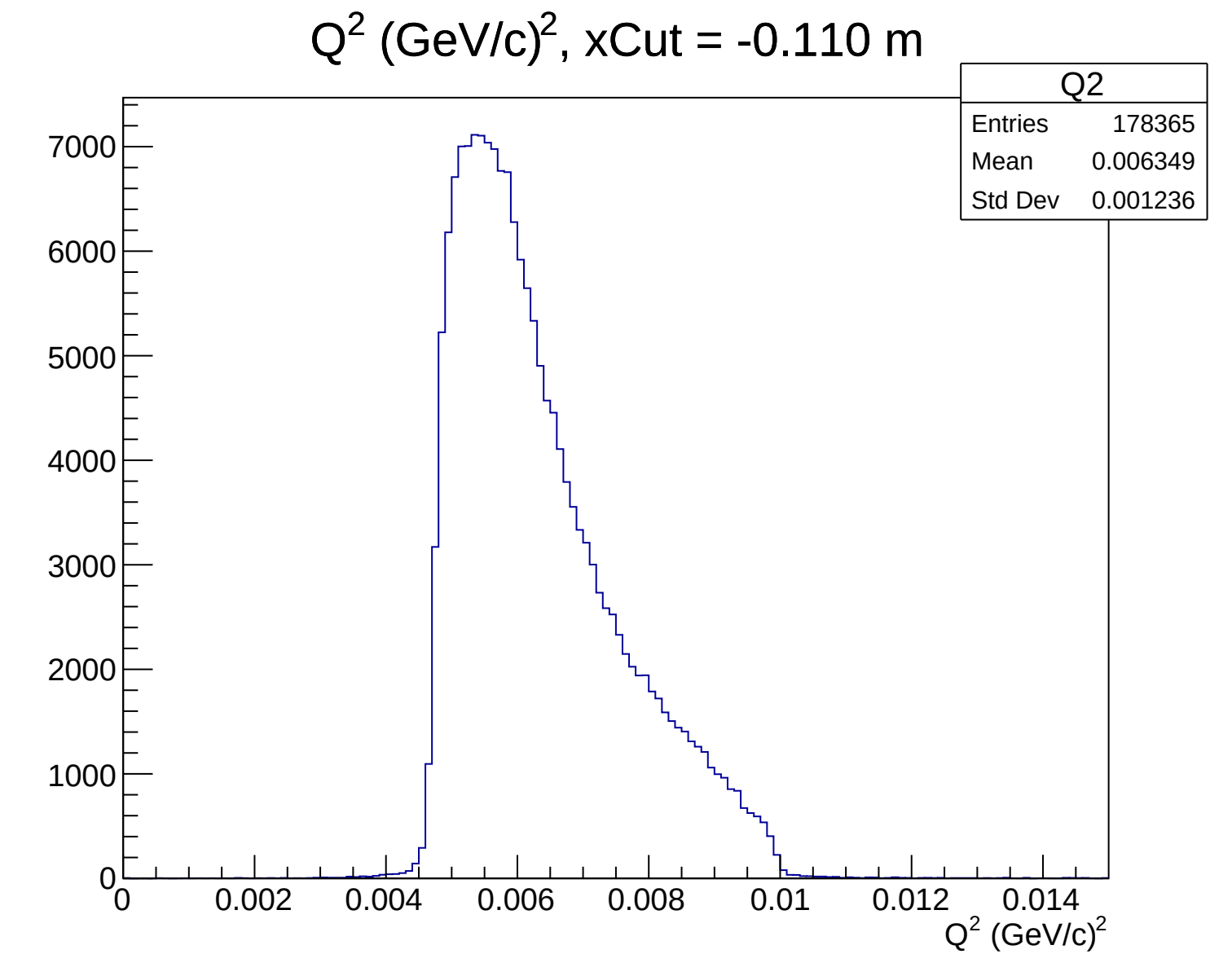

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.110
R.tr.x[0]+1.3*R.tr.th[0] (m)

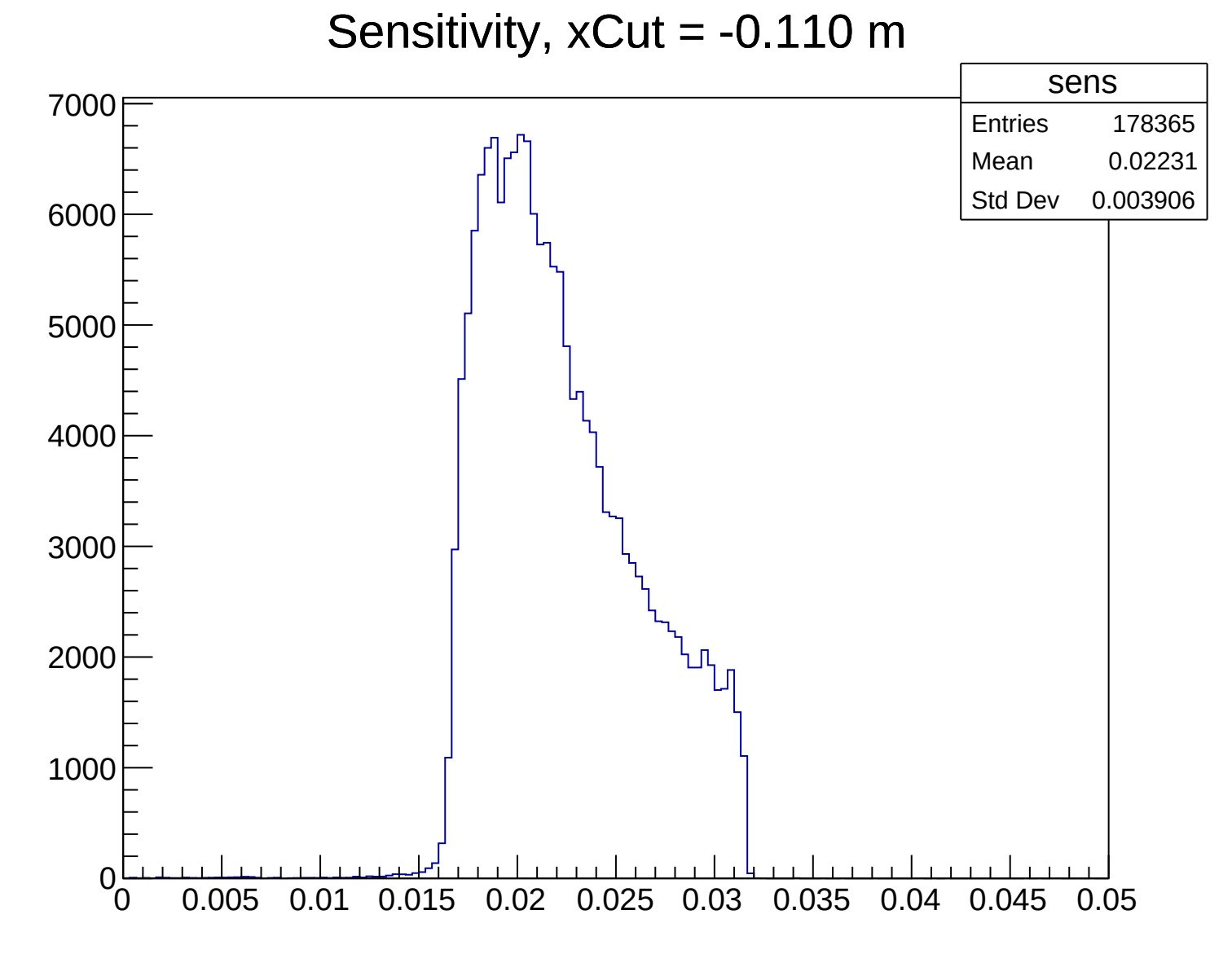

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

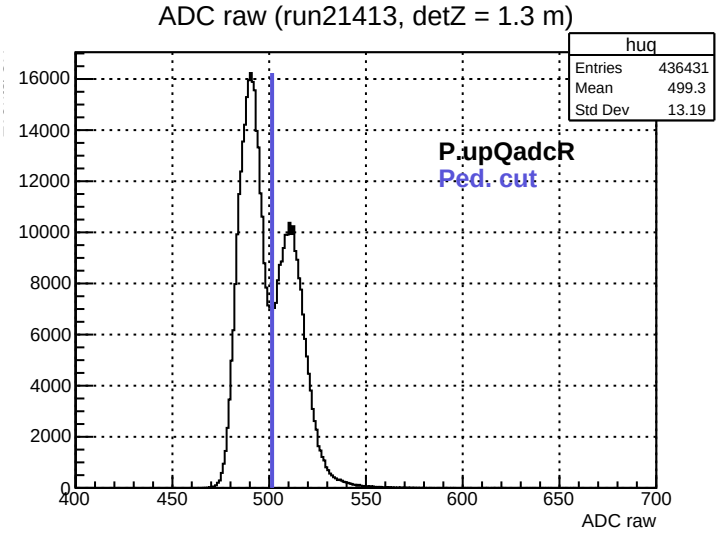

θlab (deg), xCut = -0.110 m
Theta
Entries 178365
Mean 4.794
Std Dev 0.4568
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

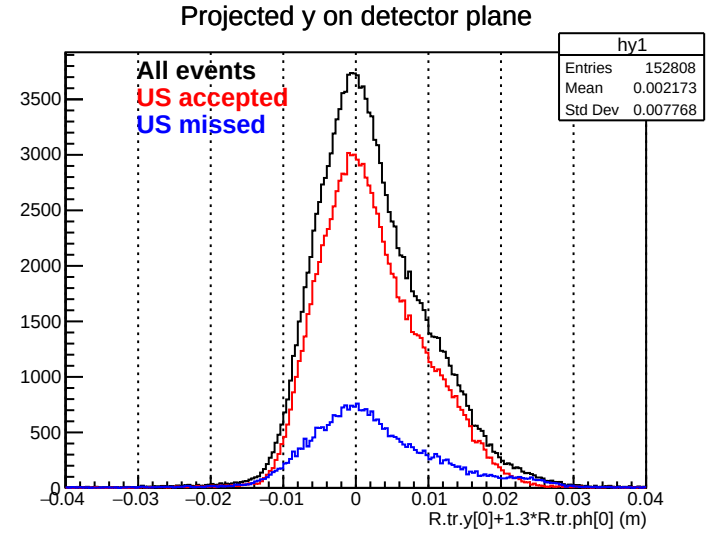

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 178365
Mean 0.5707
Std Dev 0.08489
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

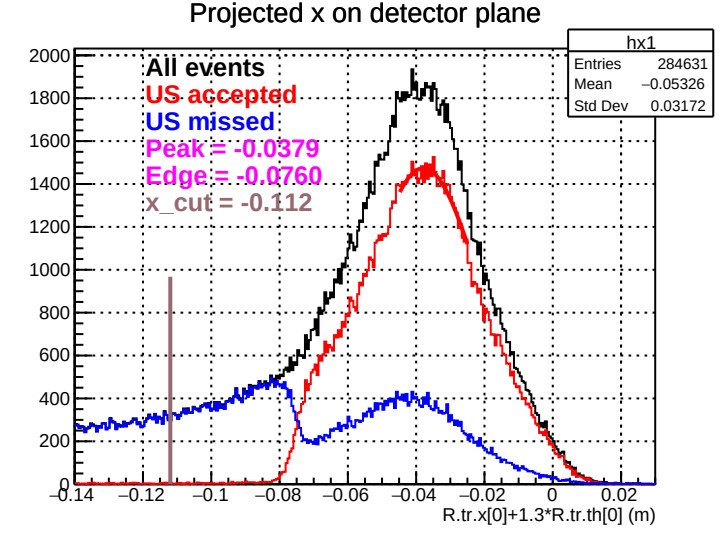

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 178365
Mean 0.5577
Std Dev 0.08116
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

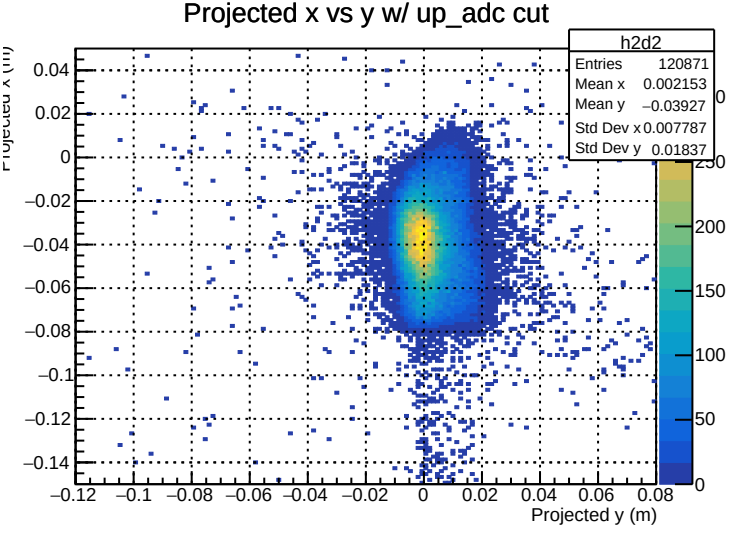

$Q^2$ (GeV/c)$^2$, xCut = -0.110 m
Q2
Entries 178365
Mean 0.006349
Std Dev 0.001236
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

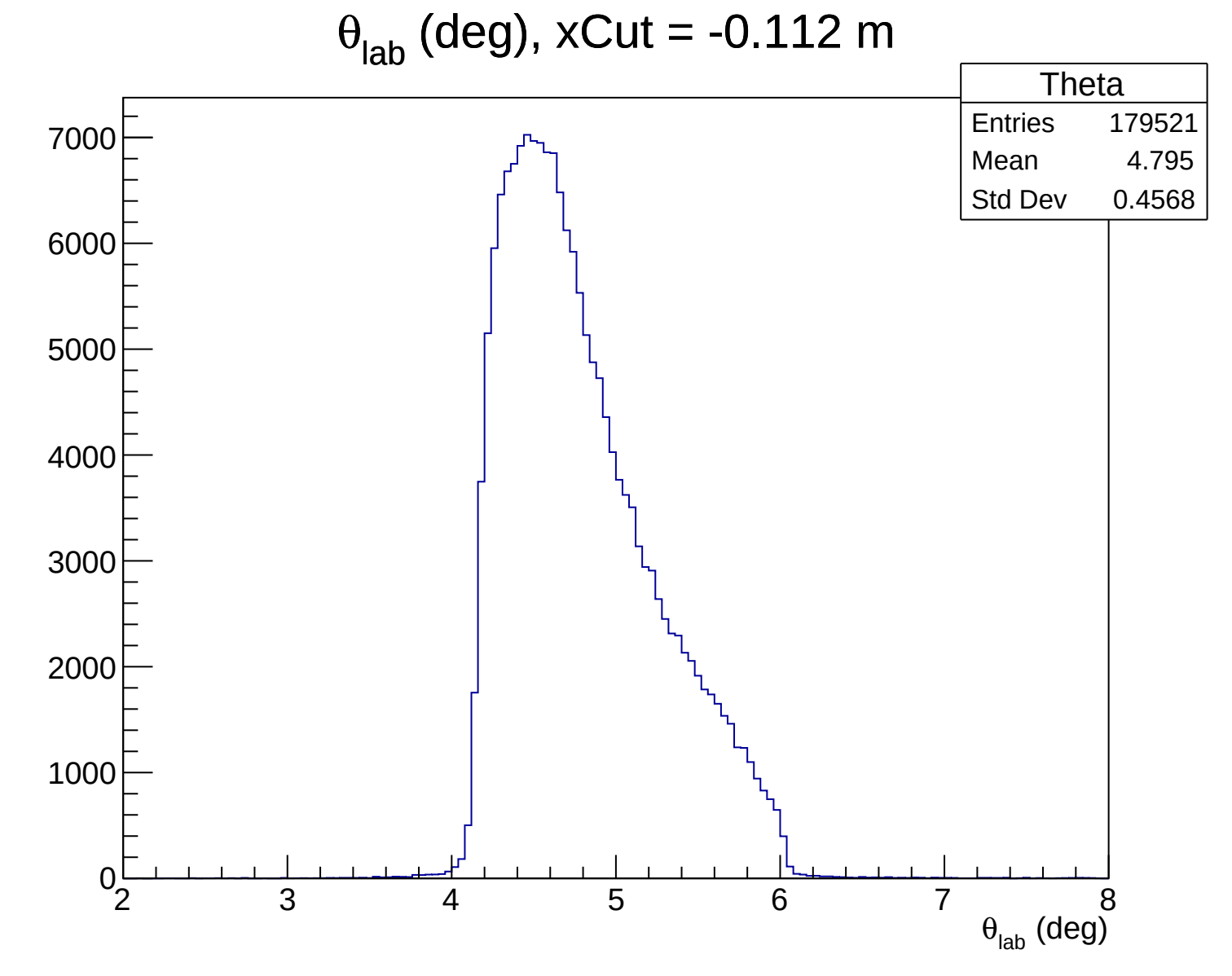

Sensitivity, xCut = -0.110 m
sens
Entries 178365
Mean 0.02231
Std Dev 0.003906
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

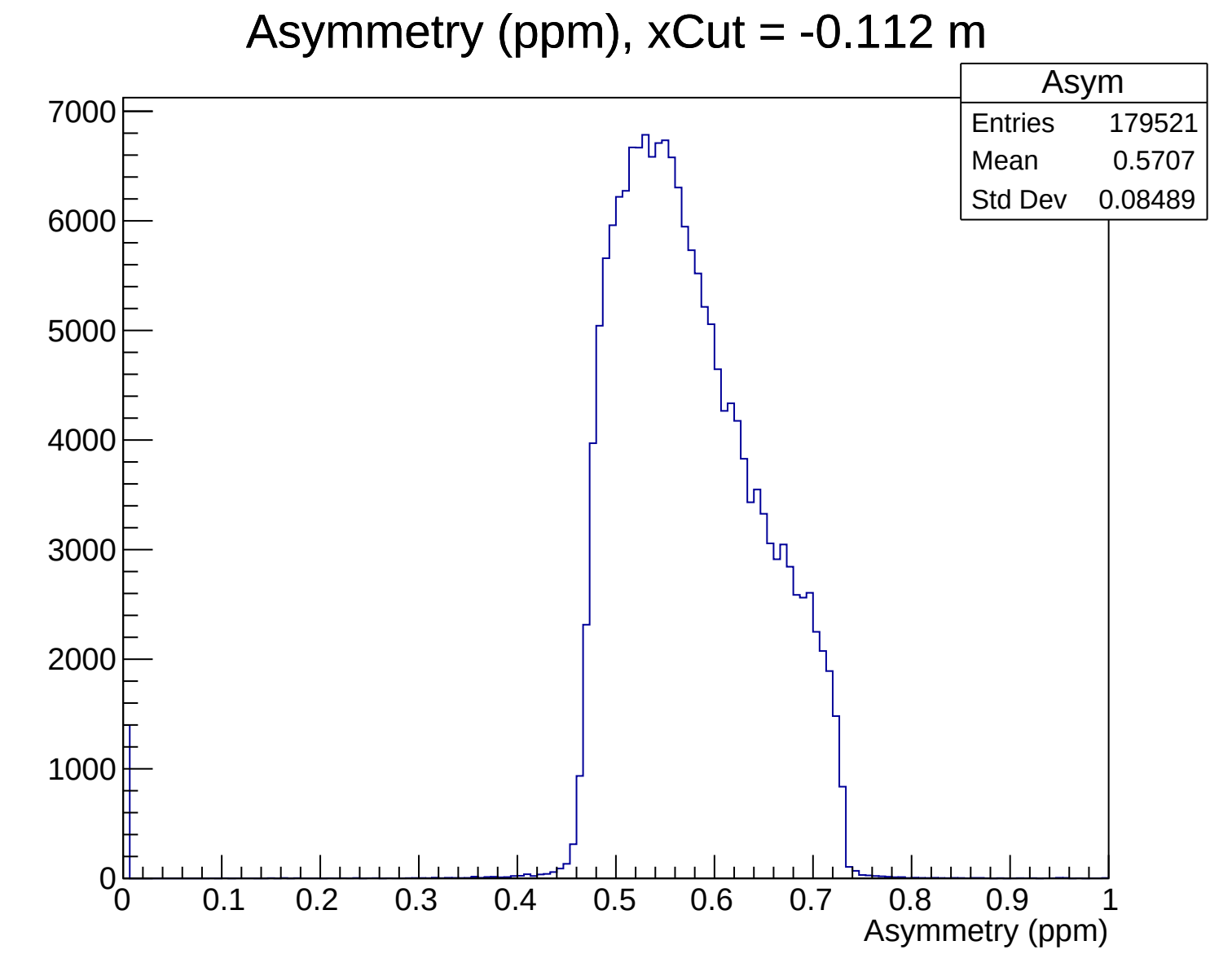

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

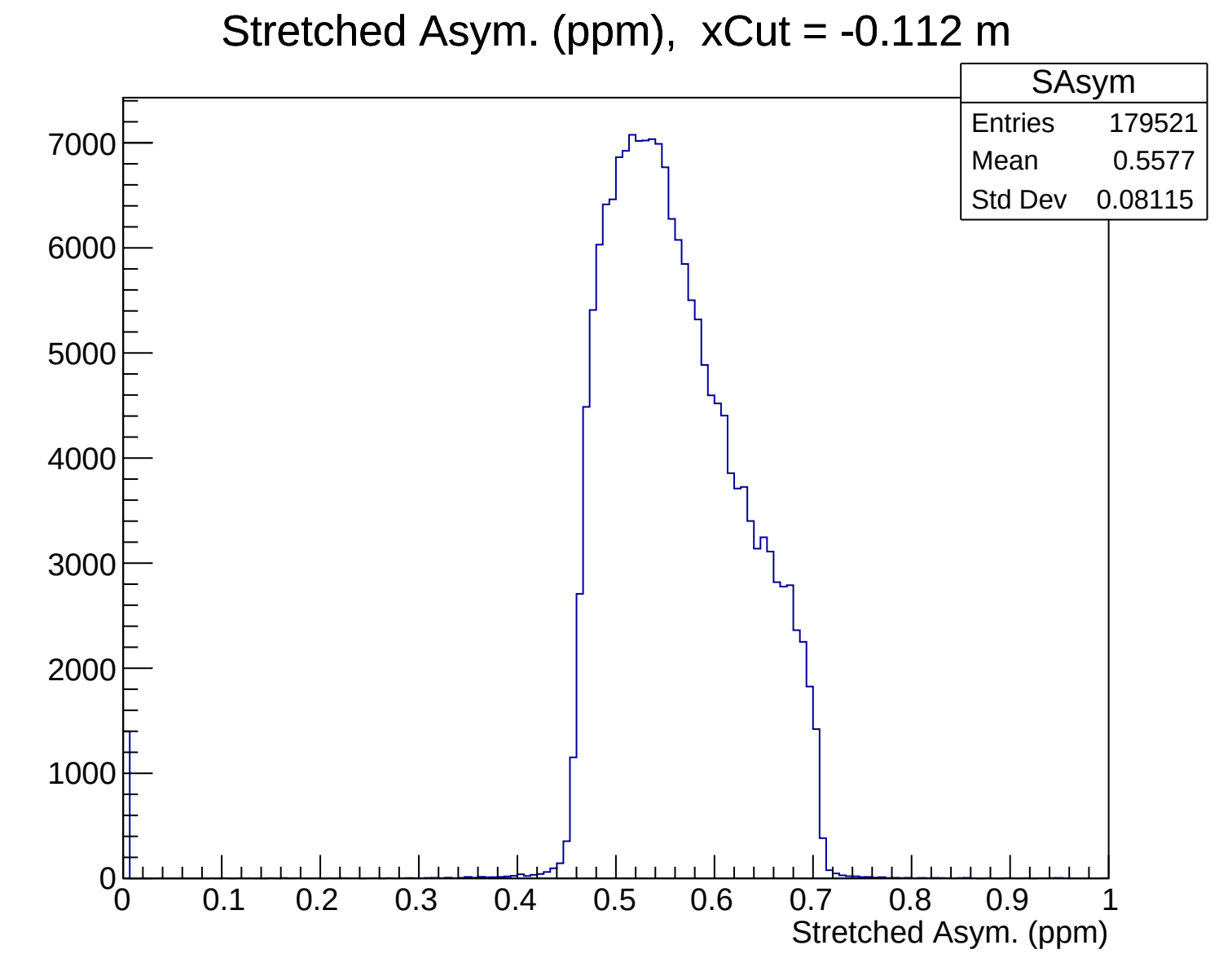

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

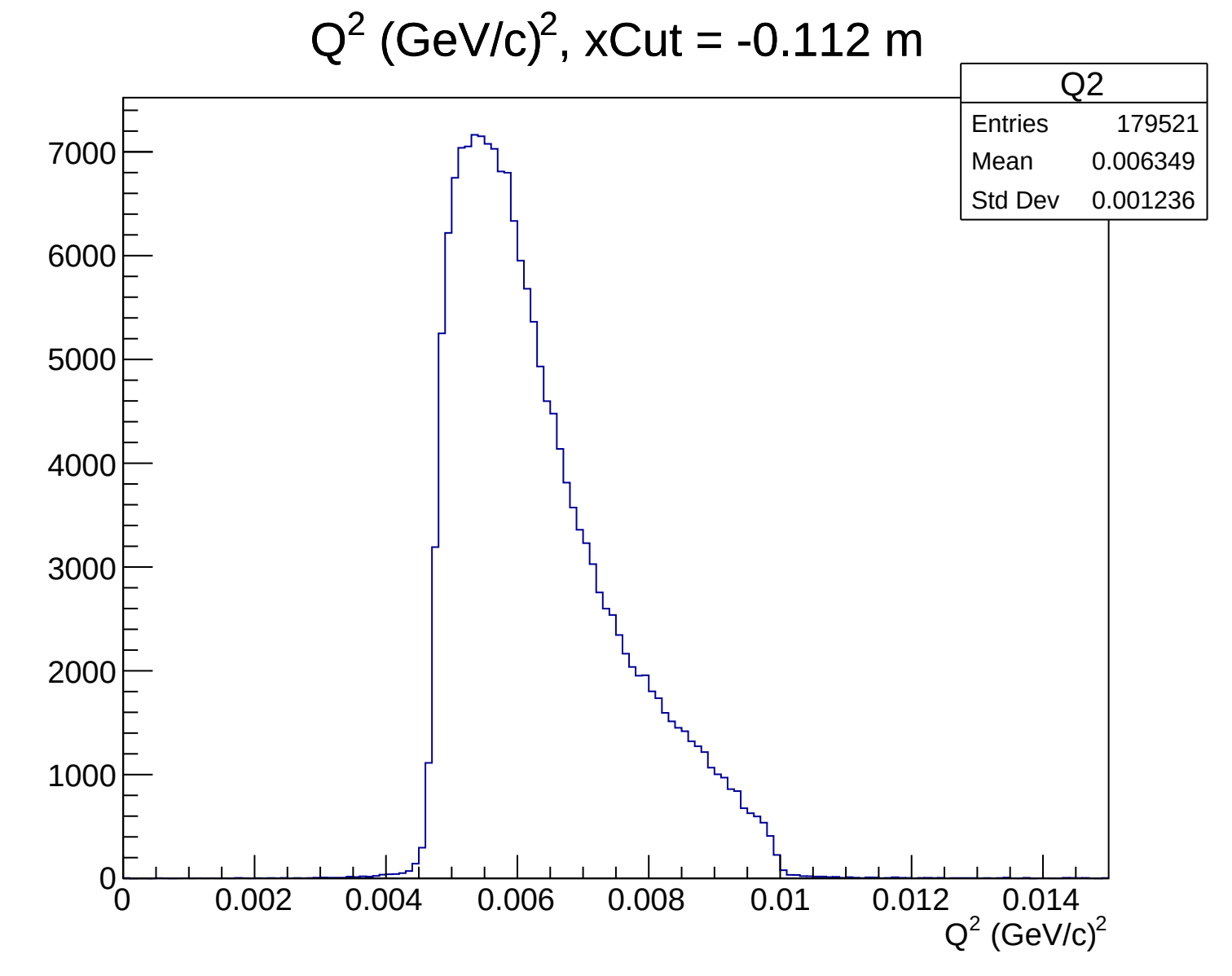

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.112
R.tr.x[0]+1.3*R.tr.th[0] (m)

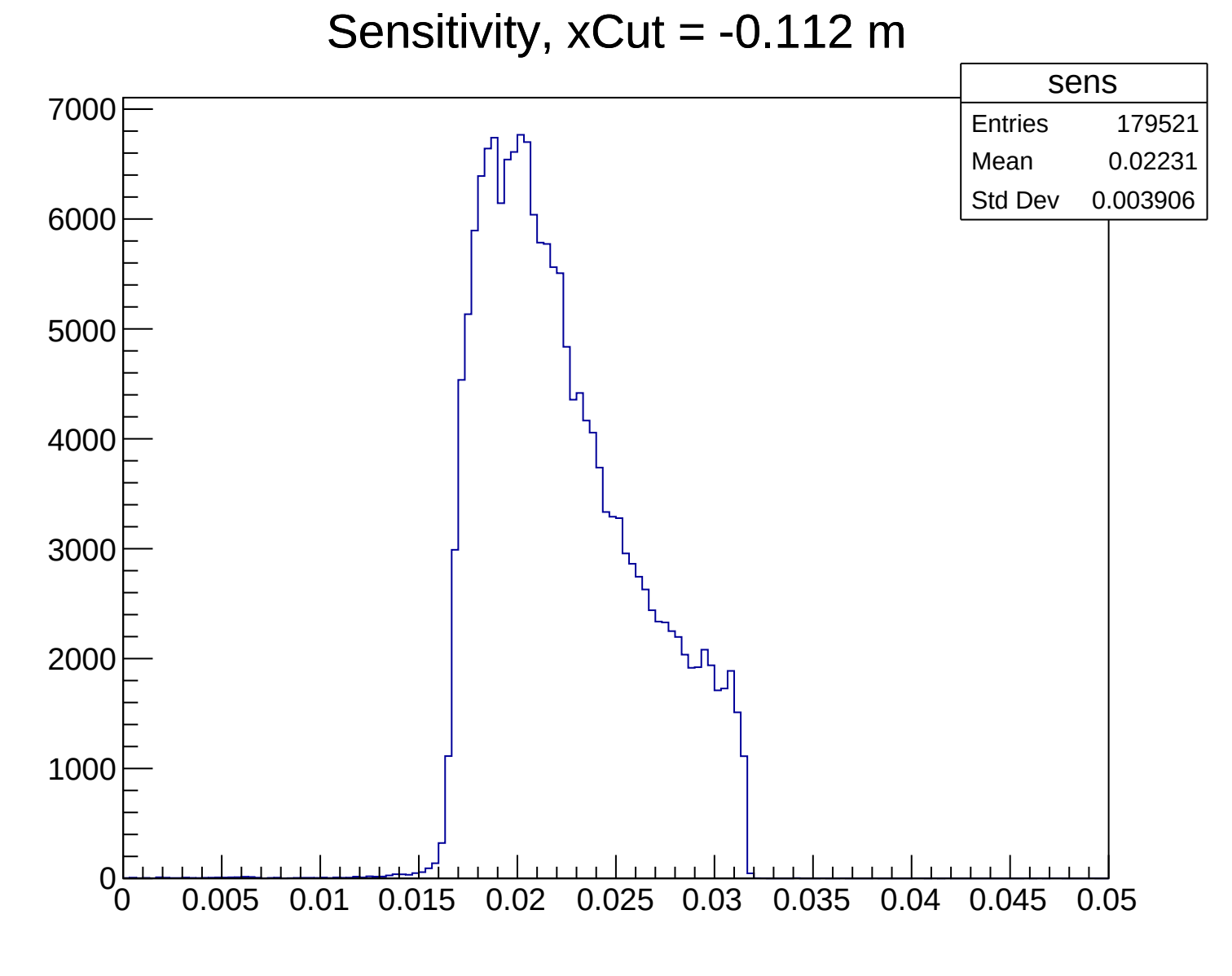

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)

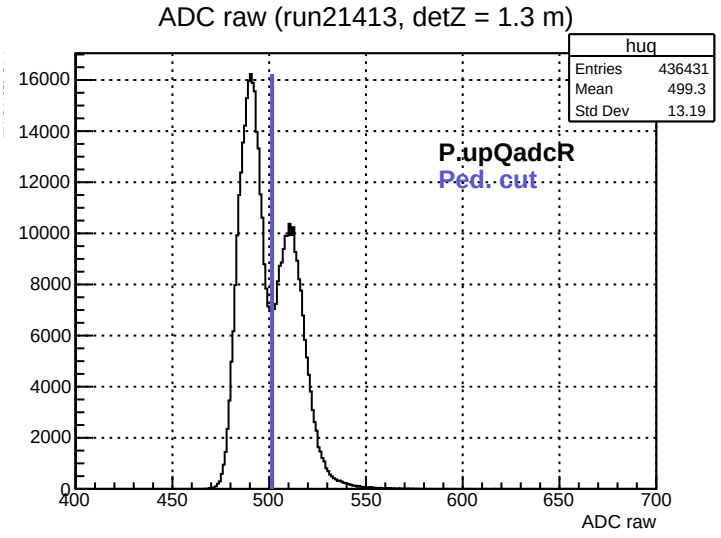

θlab (deg), xCut = -0.112 m
Theta
Entries 179521
Mean 4.795
Std Dev 0.4568
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

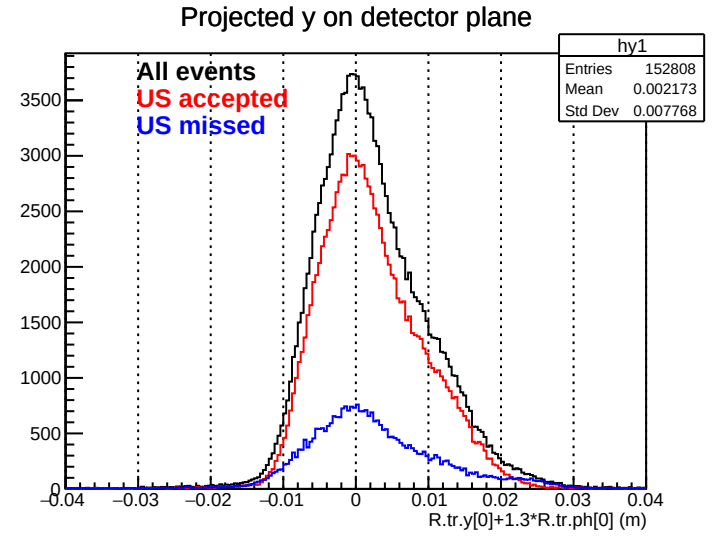

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 179521
Mean 0.5707
Std Dev 0.08489
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

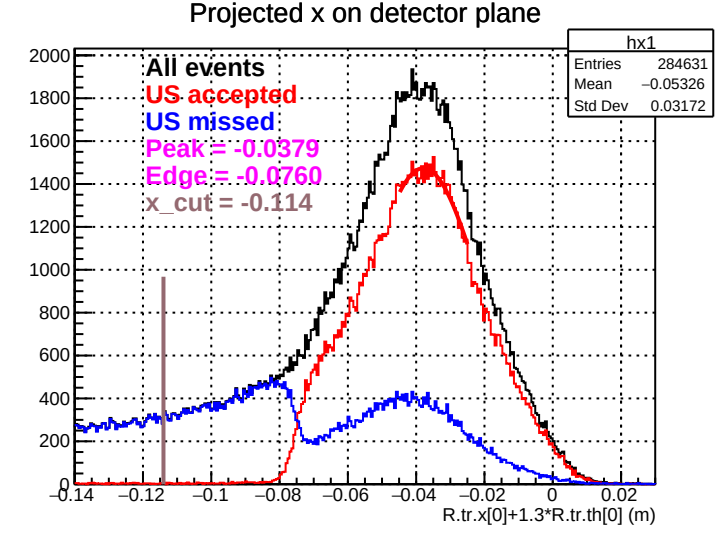

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 179521
Mean 0.5577
Std Dev 0.08115
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

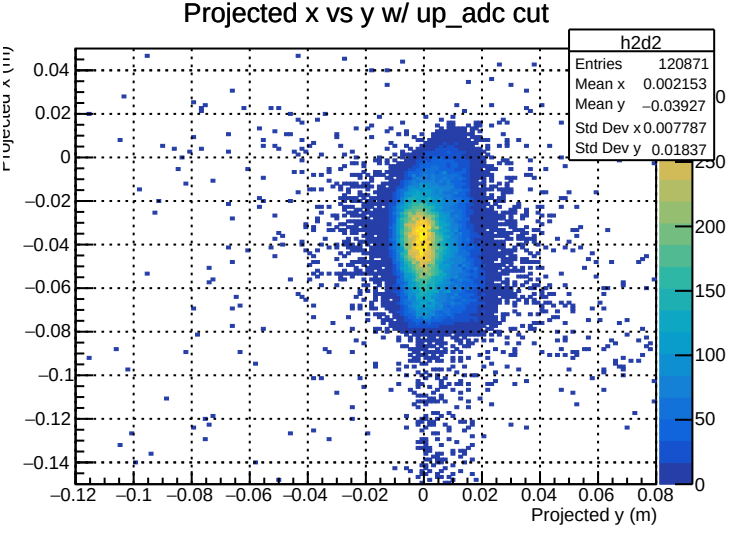

$Q^2$ (GeV/c)$^2$, xCut = -0.112 m
Q2
Entries 179521
Mean 0.006349
Std Dev 0.001236
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
$Q^2$ (GeV/c)$^2$

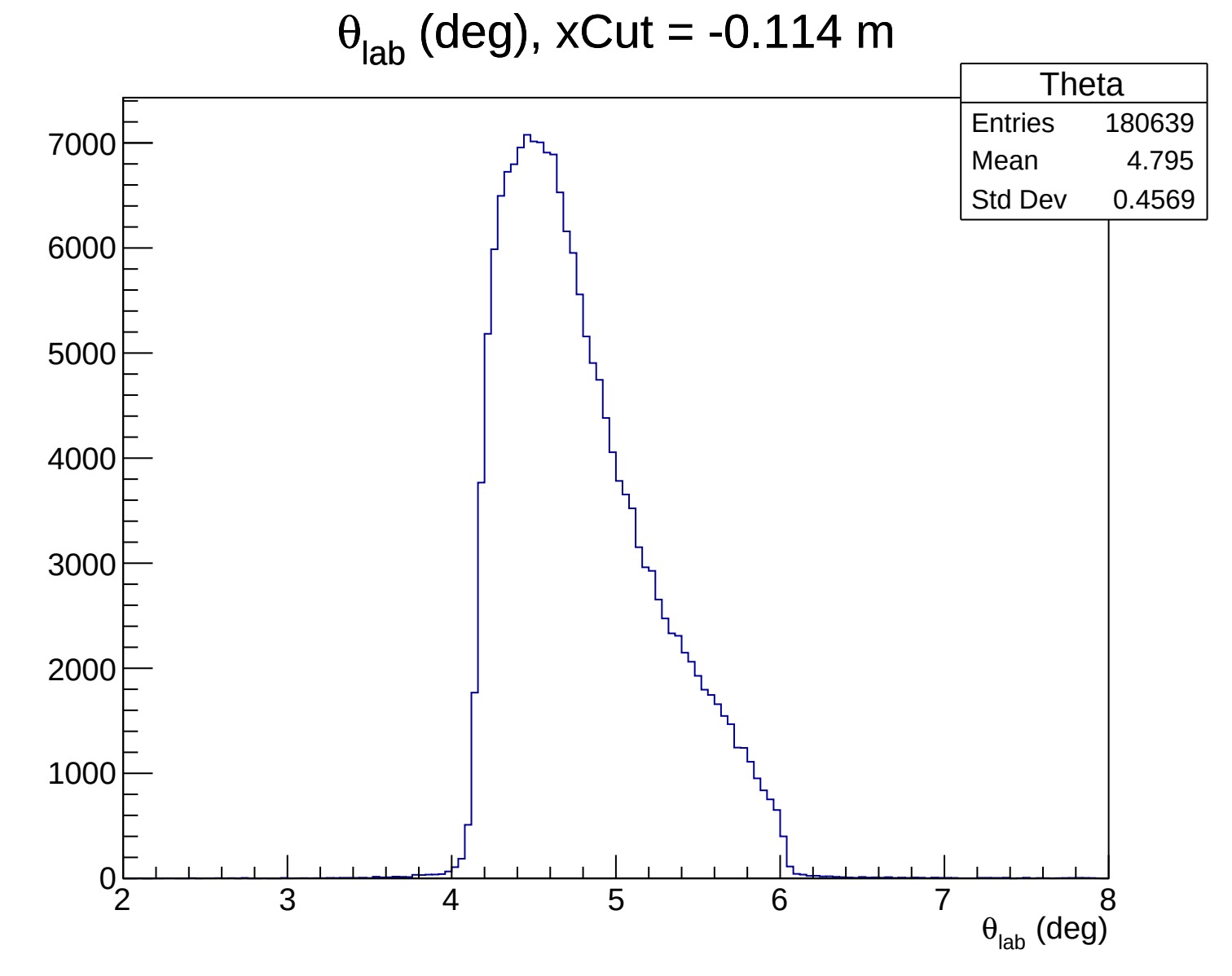

Sensitivity, xCut = -0.112 m
sens
Entries 179521
Mean 0.02231
Std Dev 0.003906
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

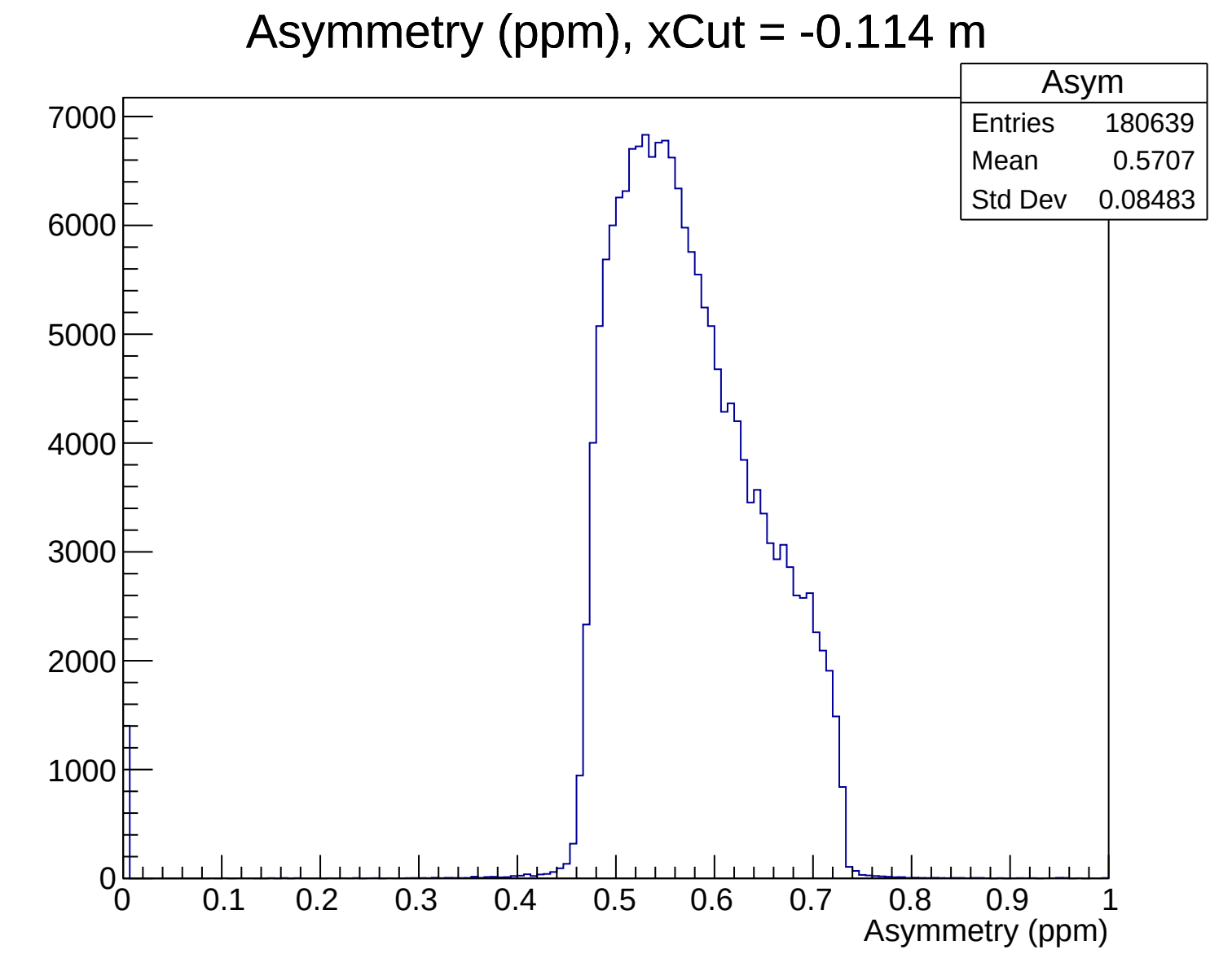

ADC raw (run21413, detZ = 1.3 m)
huq
Entries 436431
Mean 499.3
Std Dev 13.19
P.upQadcR
Ped. cut
ADC raw

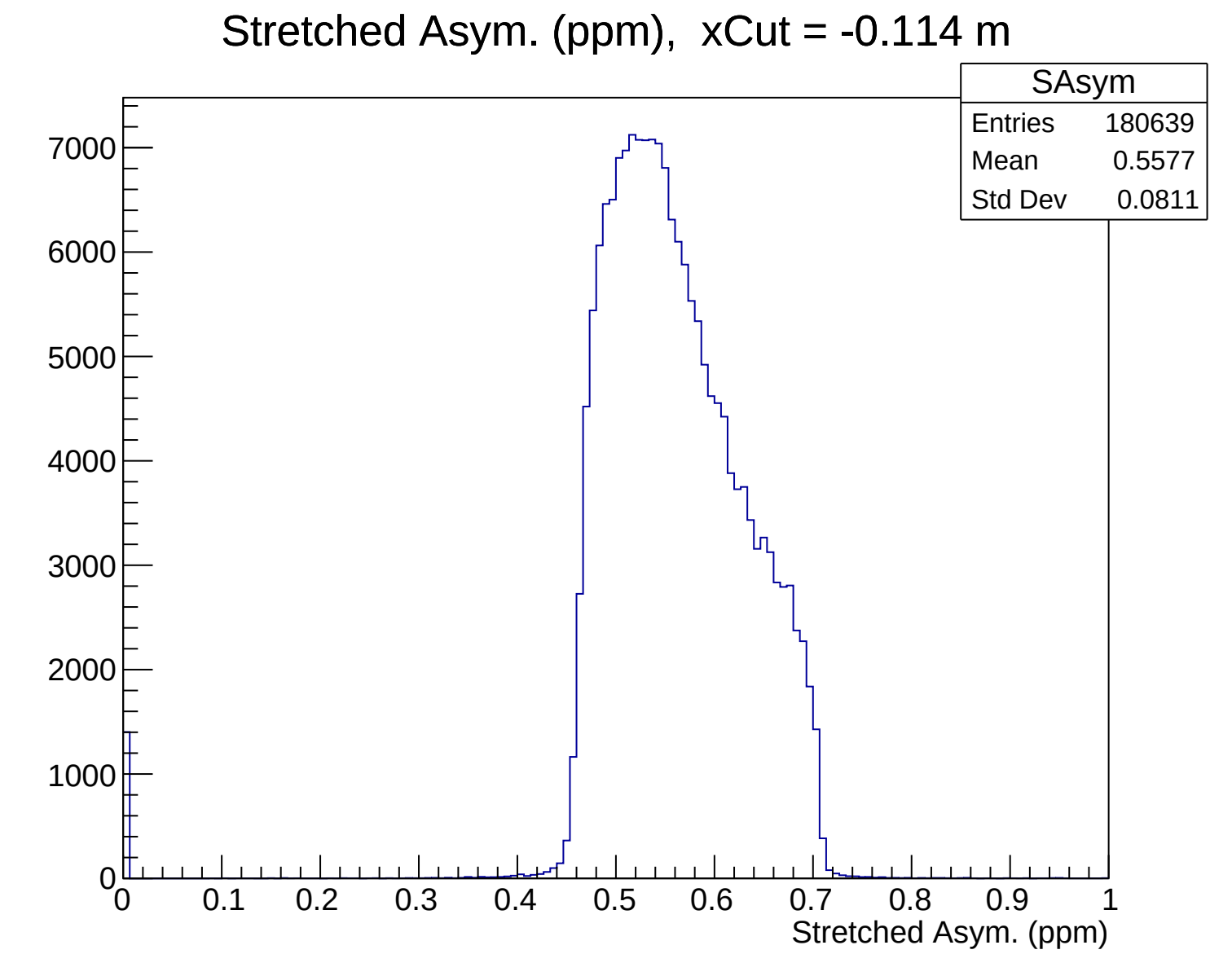

Projected y on detector plane
hy1
Entries 152808
Mean 0.002173
Std Dev 0.007768
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

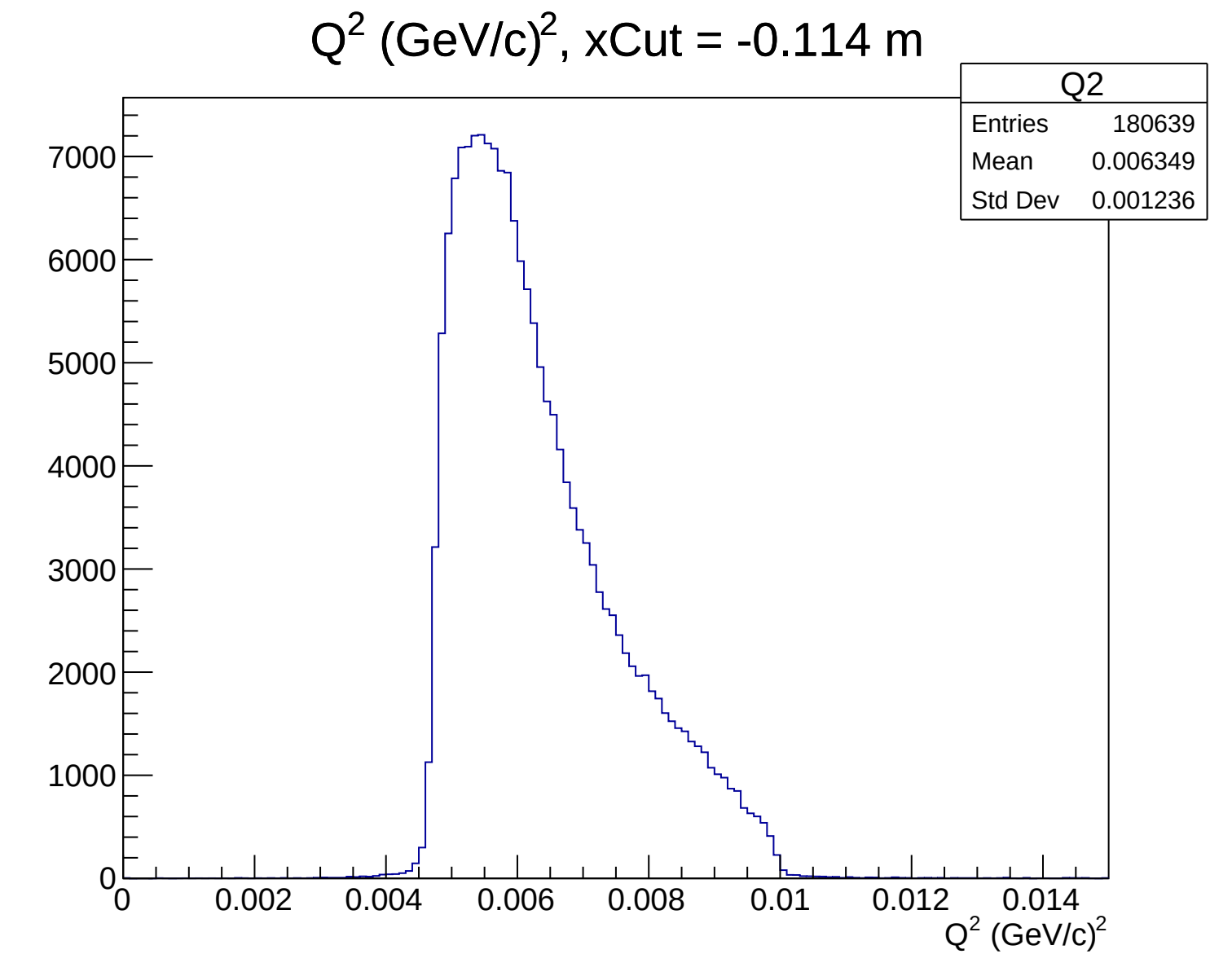

Projected x on detector plane
hx1
Entries 284631
Mean −0.05326
Std Dev 0.03172
All events
US accepted
US missed
Peak = -0.0379
Edge = -0.0760
x_cut = -0.114
R.tr.x[0]+1.3*R.tr.th[0] (m)

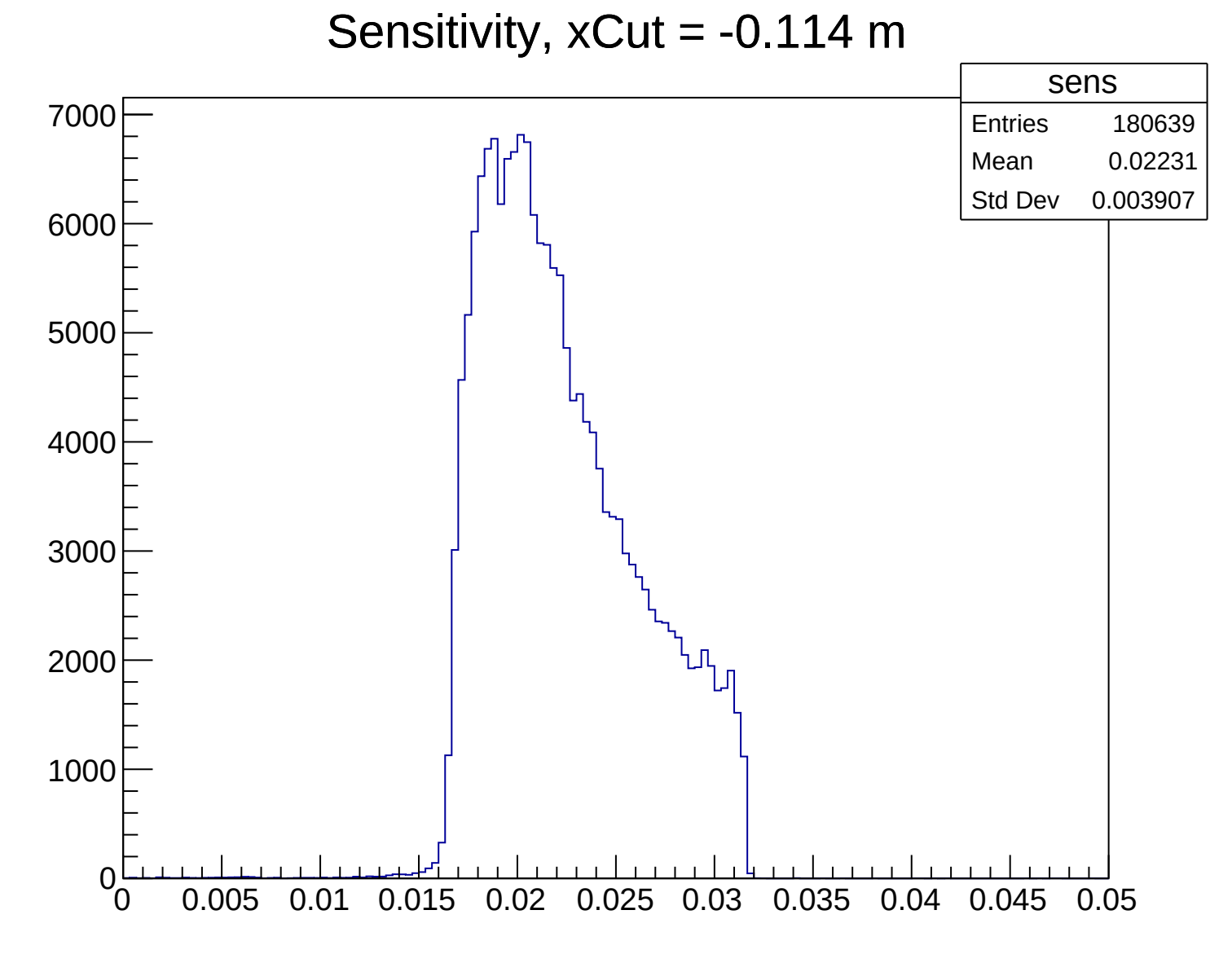

Projected x vs y w/ up_adc cut
h2d2
Entries 120871
Mean x 0.002153
Mean y −0.03927
Std Dev x 0.007787
Std Dev y 0.01837
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 180639
Mean 4.795
Std Dev 0.4569
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 180639
Mean 0.5707
Std Dev 0.08483
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 180639
Mean 0.5577
Std Dev 0.0811
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 180639
Mean 0.006349
Std Dev 0.001236
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 180639
Mean 0.02231
Std Dev 0.003907
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