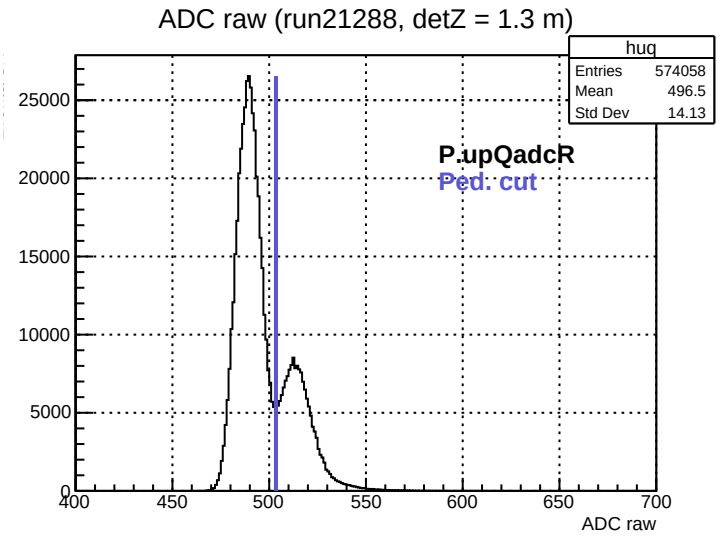
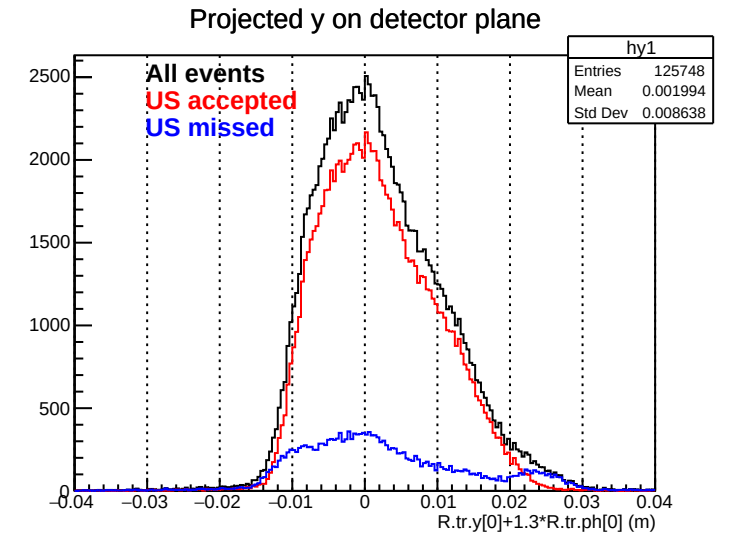
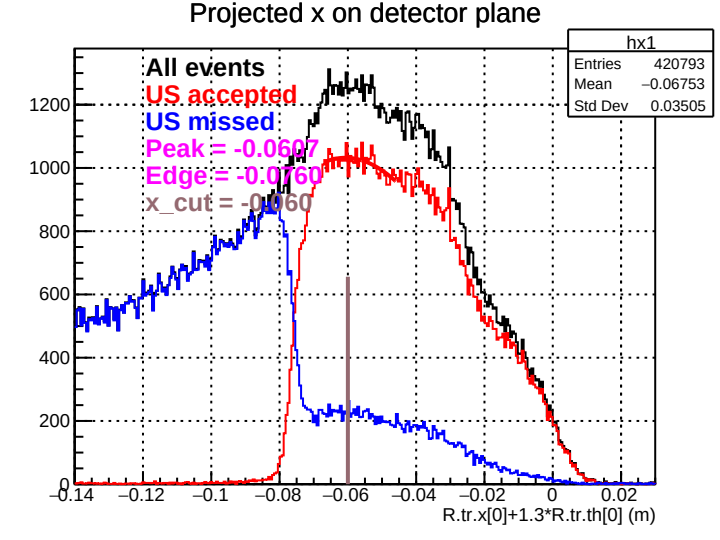
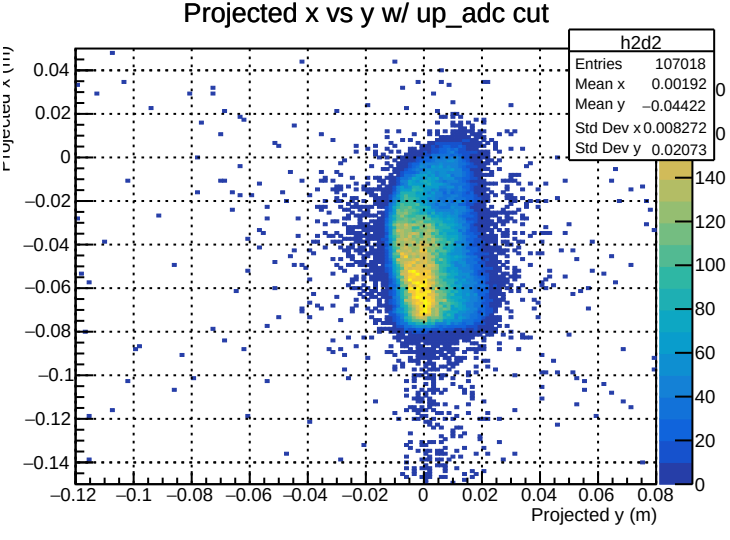
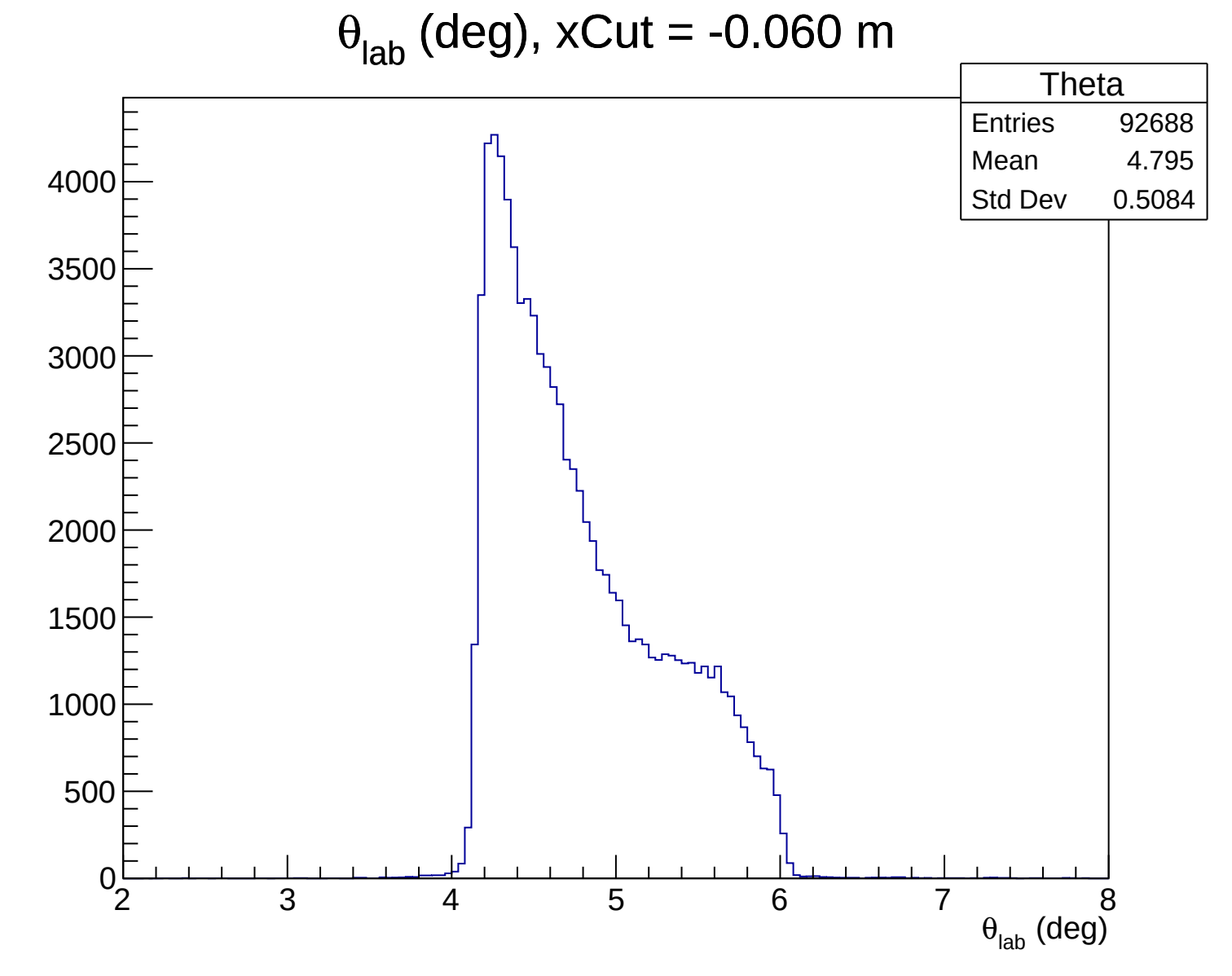
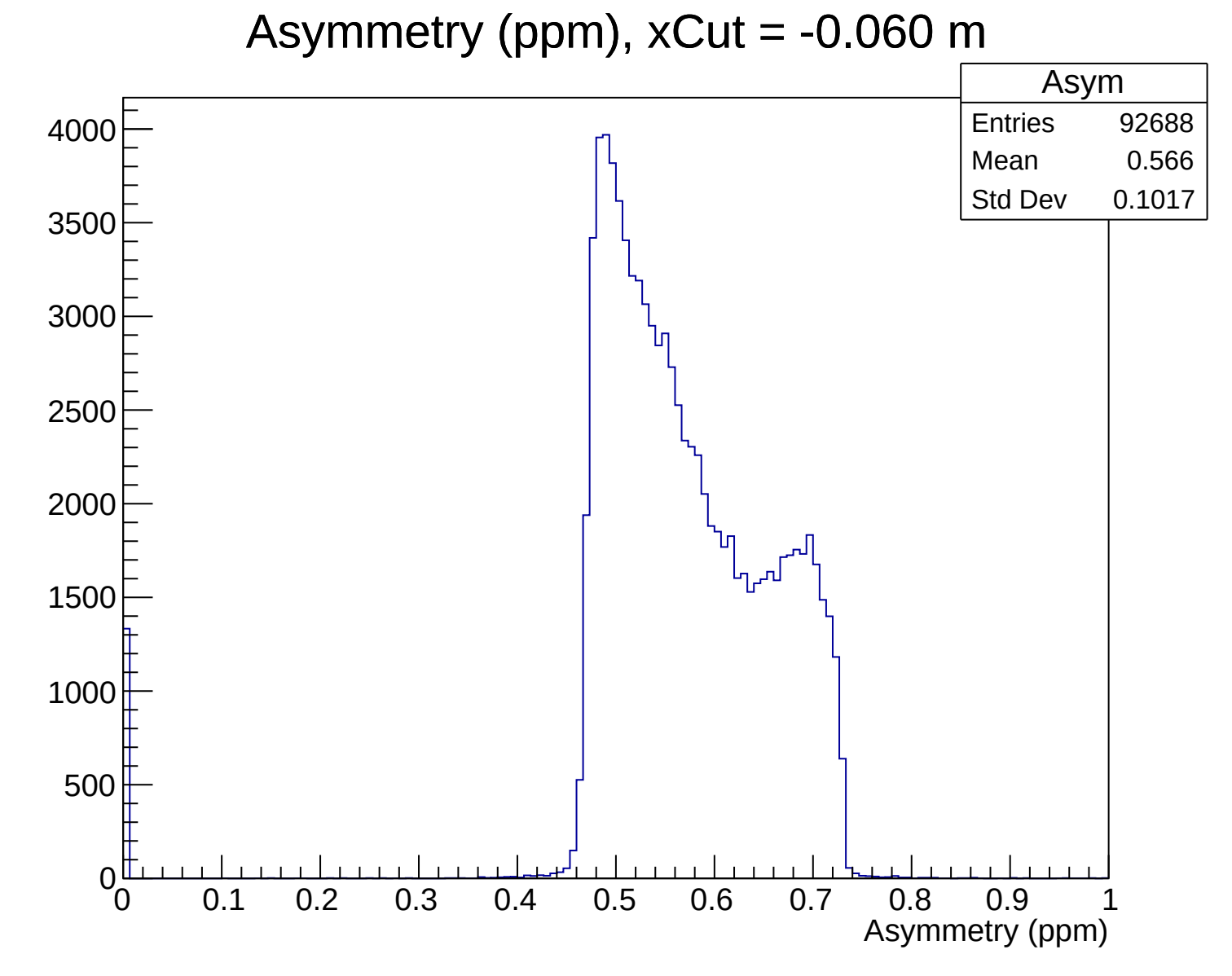

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

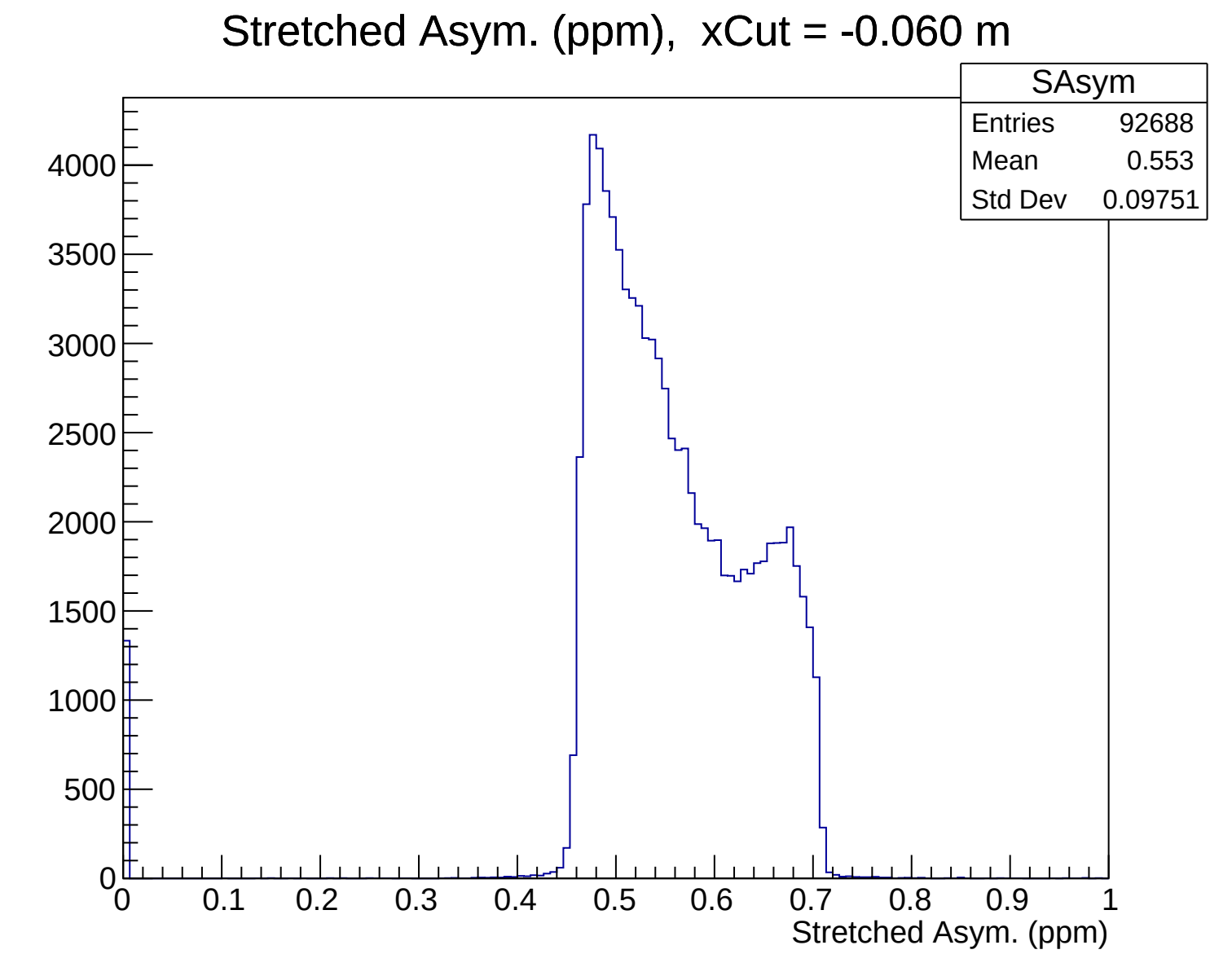

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

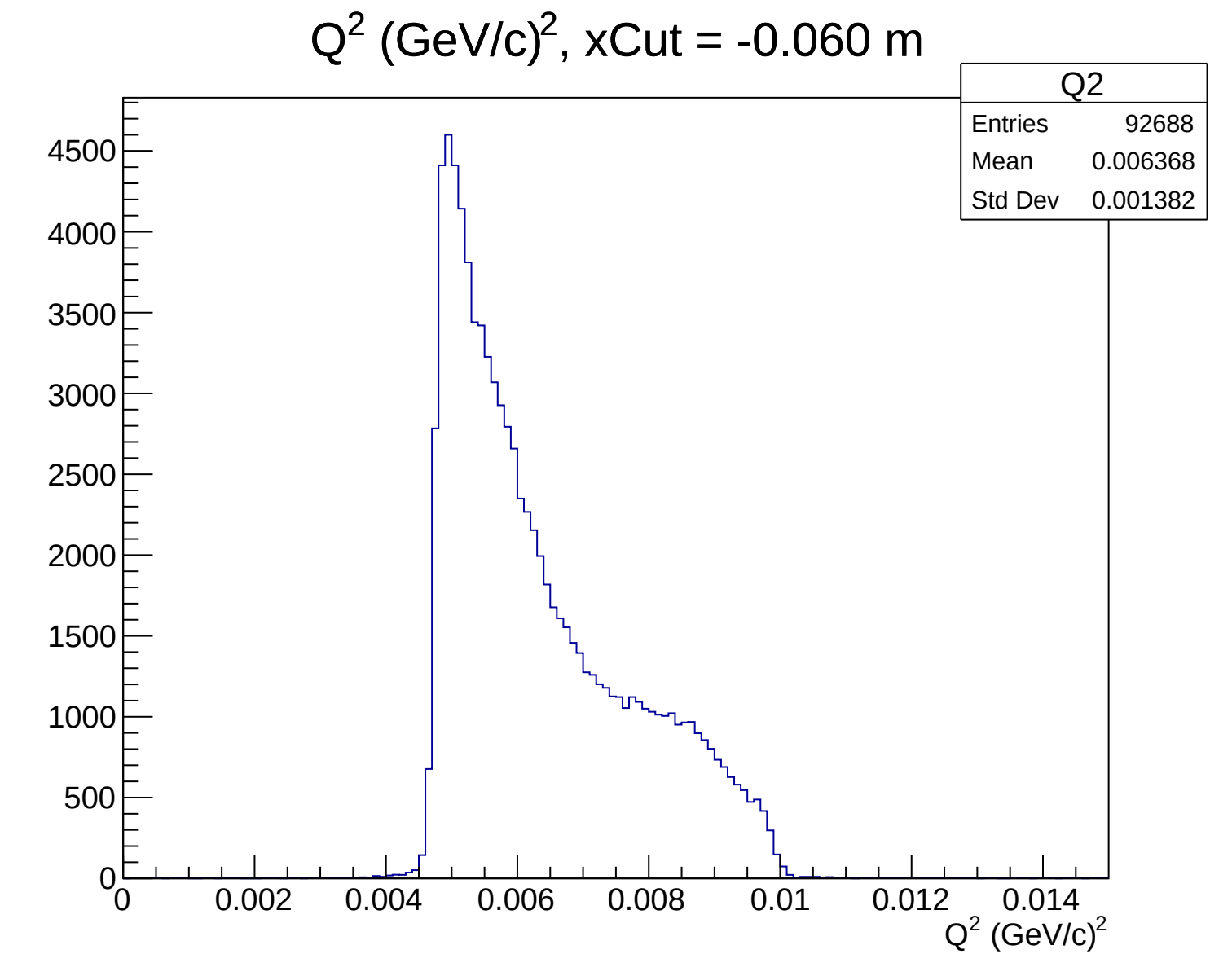

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.060
R.tr.x[0]+1.3*R.tr.th[0] (m)

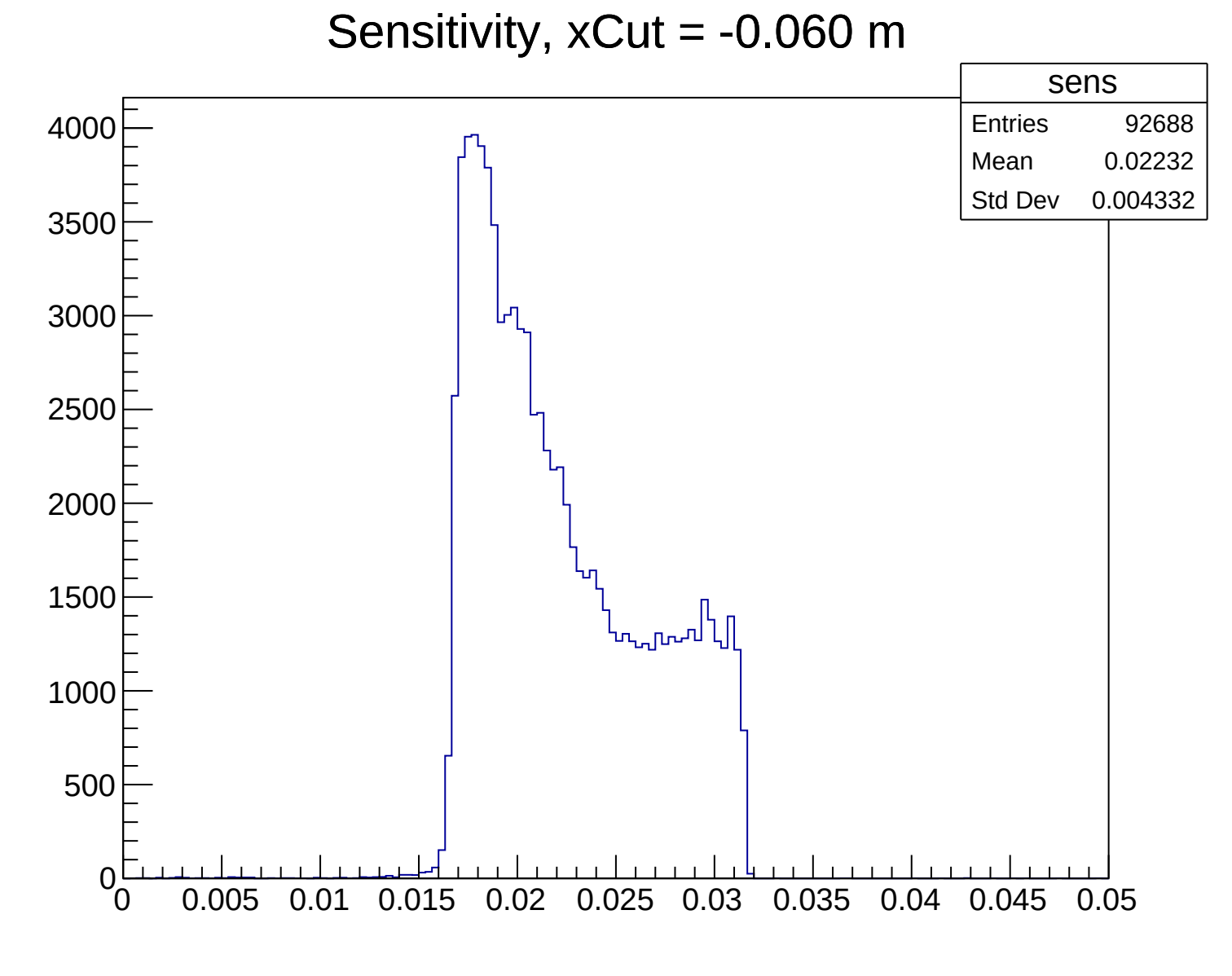

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

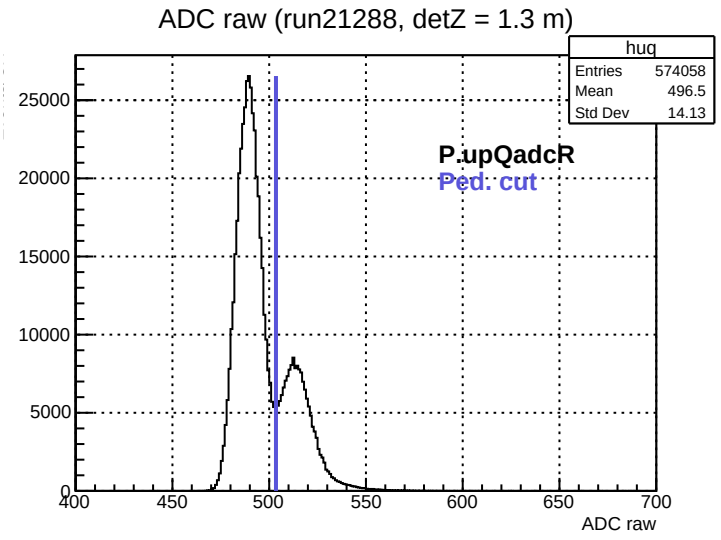

θlab (deg), xCut = -0.060 m
Theta
Entries 92688
Mean 4.795
Std Dev 0.5084
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

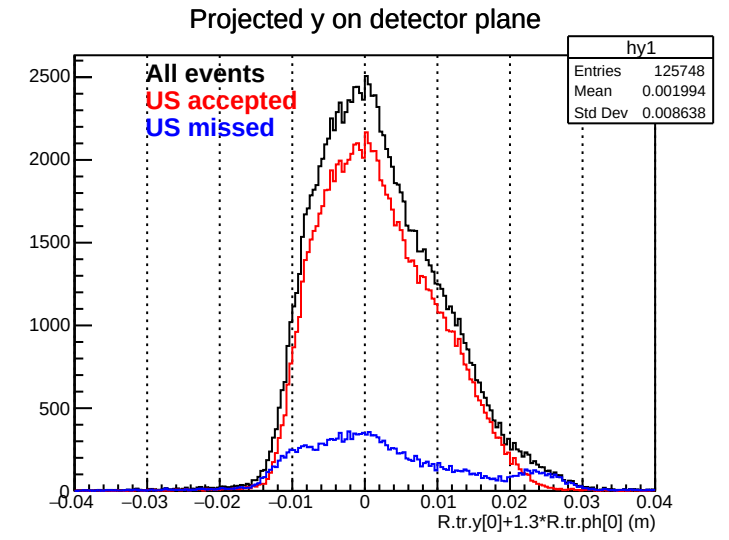

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 92688
Mean 0.566
Std Dev 0.1017
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

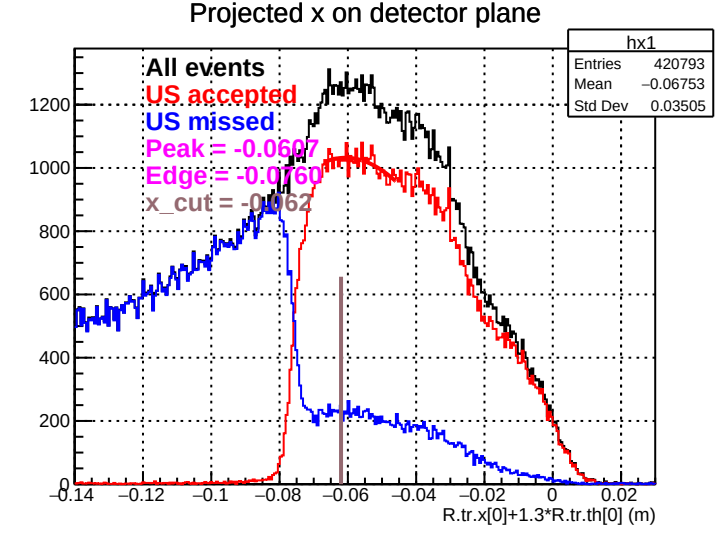

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 92688
Mean 0.553
Std Dev 0.09751
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

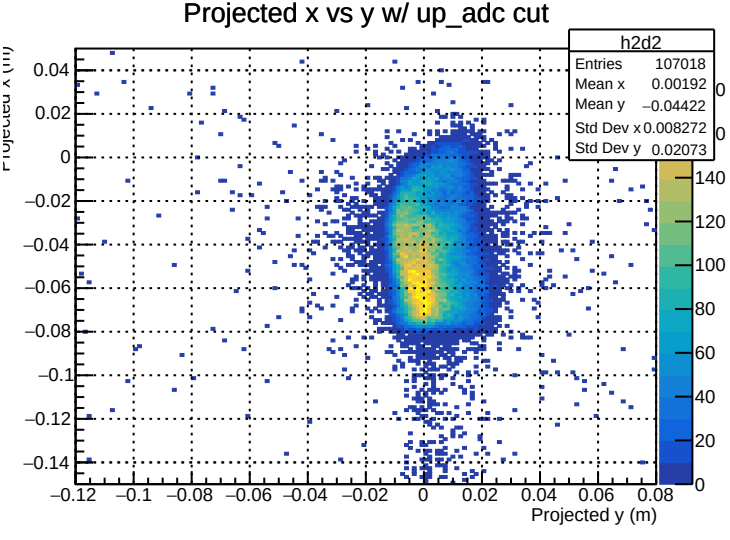

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 92688
Mean 0.006368
Std Dev 0.001382
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

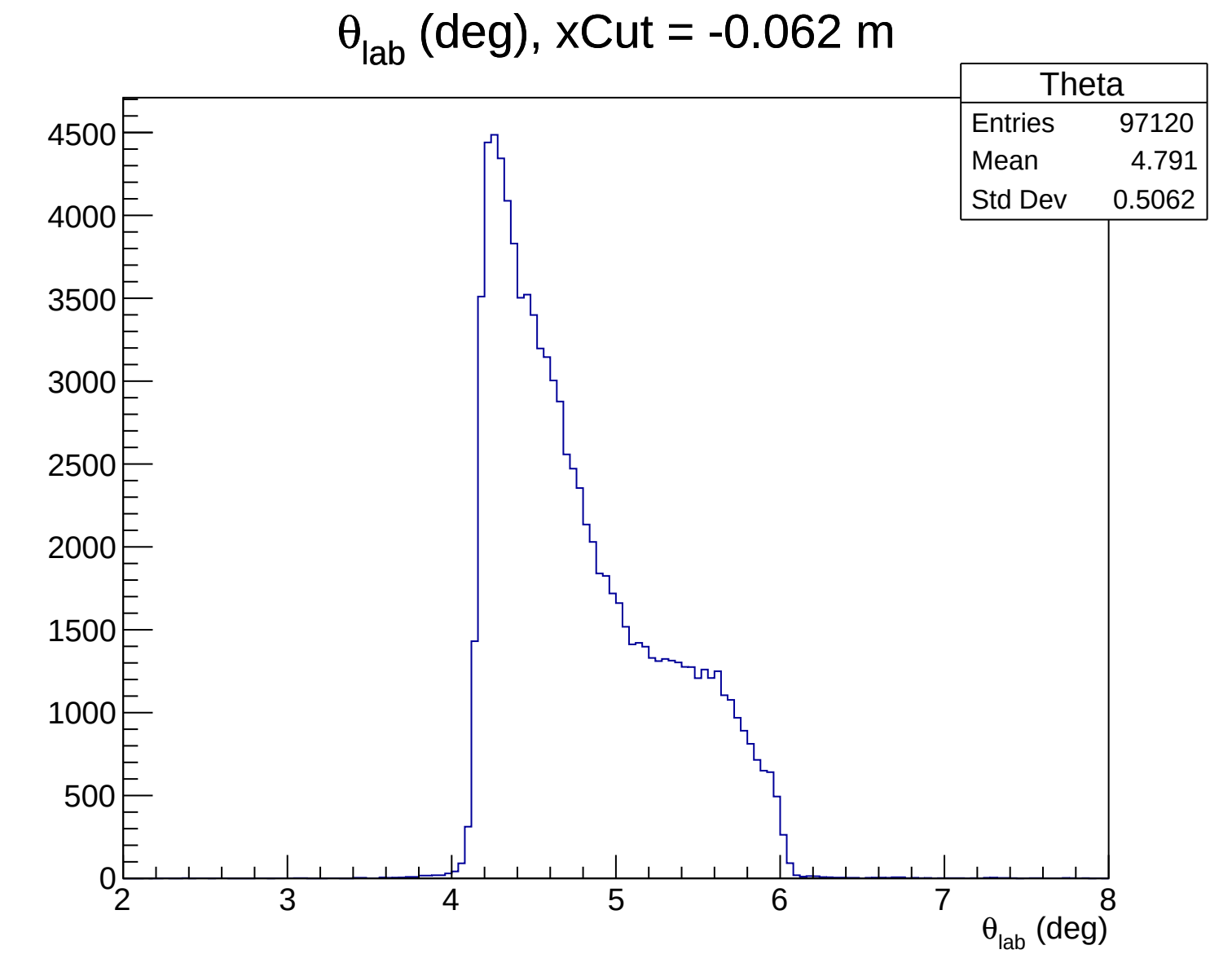

Sensitivity, xCut = -0.060 m
sens
Entries 92688
Mean 0.02232
Std Dev 0.004332
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

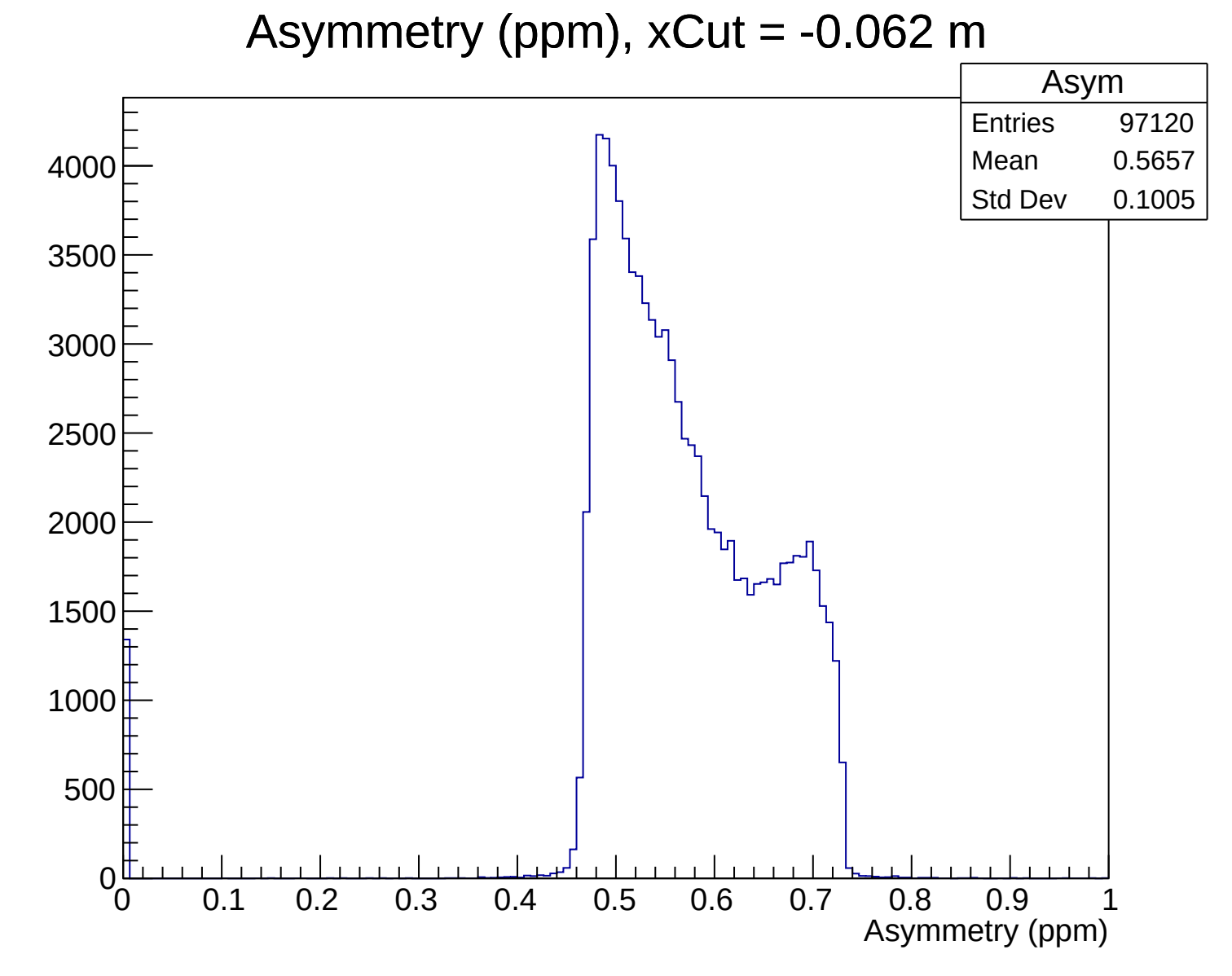

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

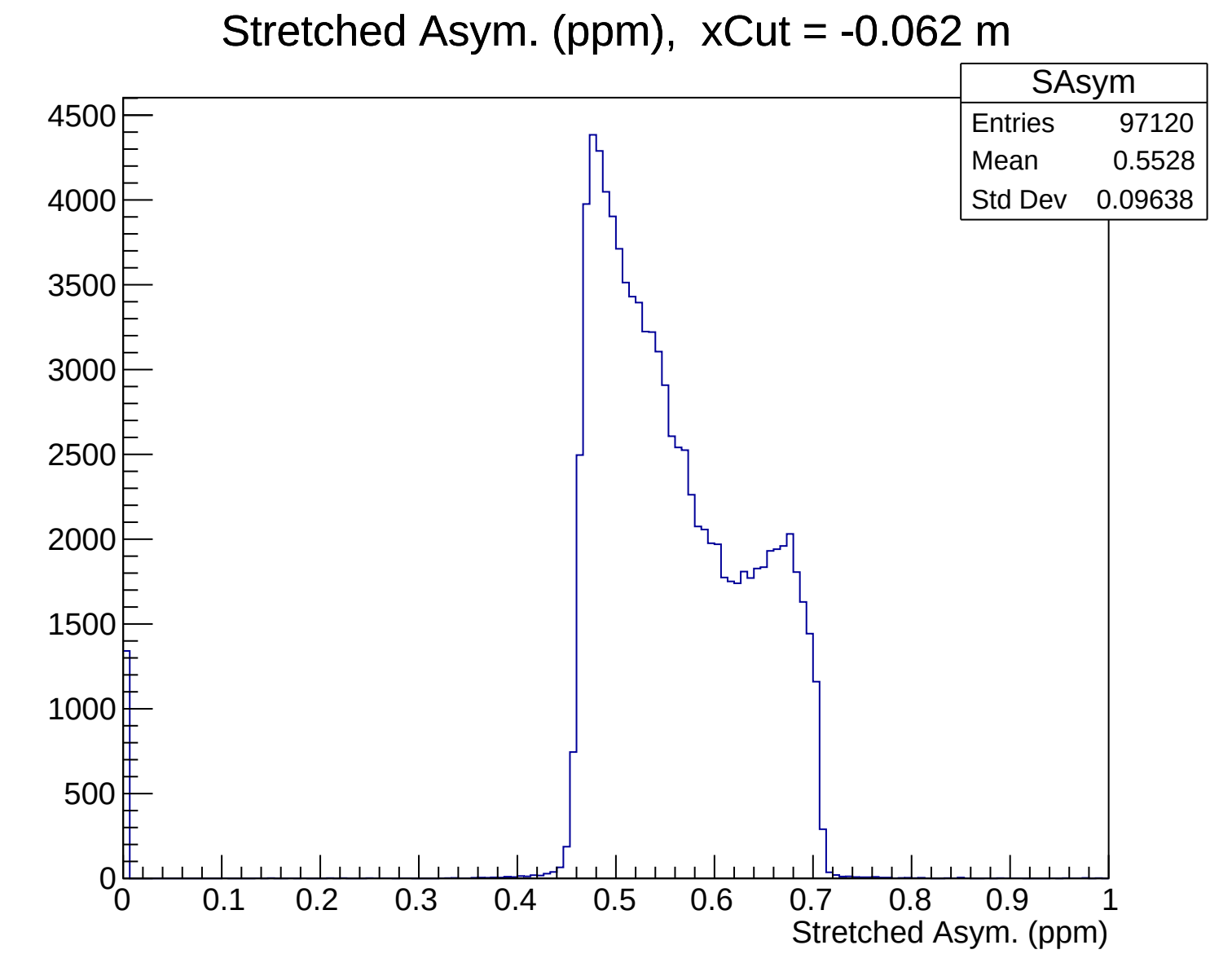

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

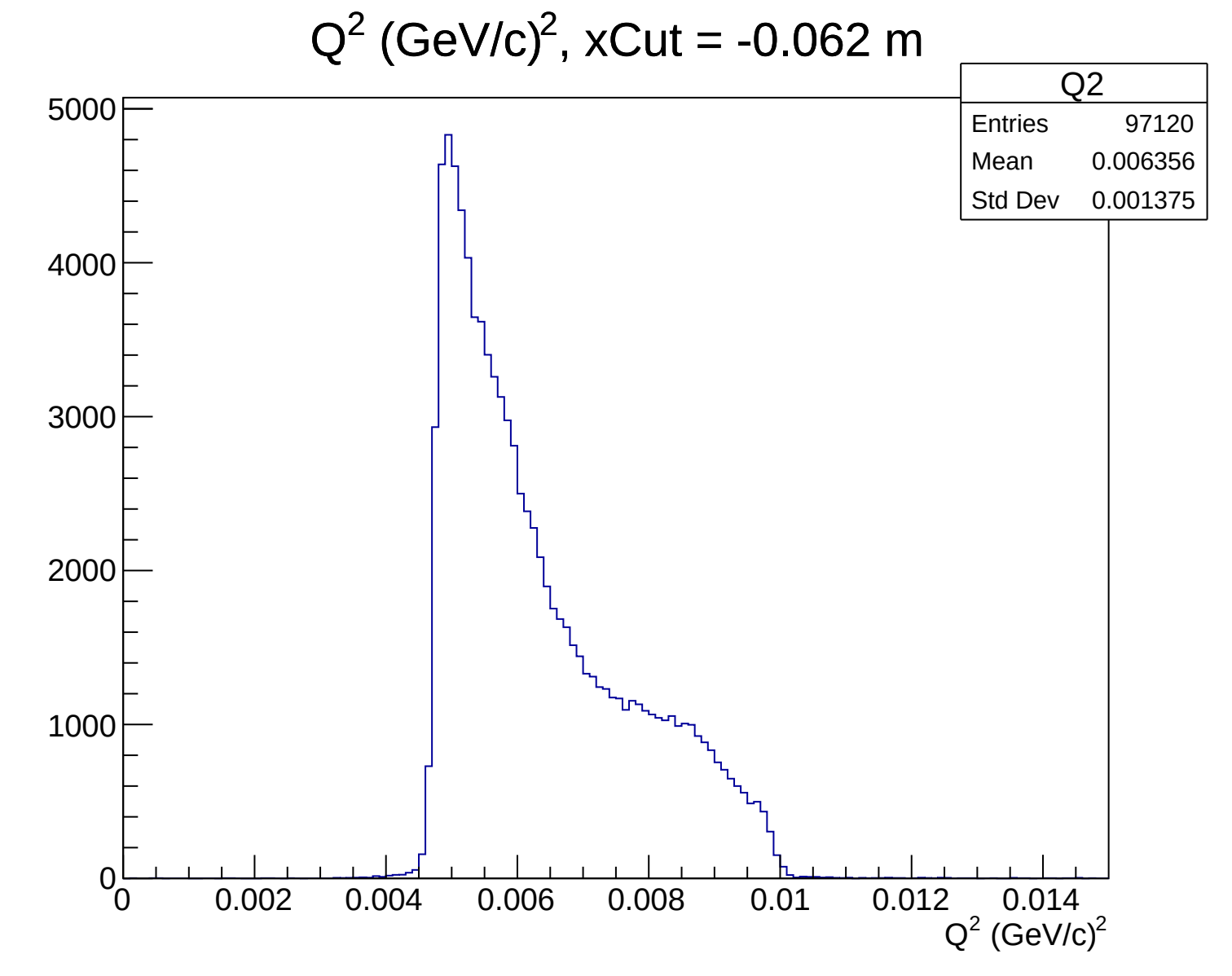

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.062
R.tr.x[0]+1.3*R.tr.th[0] (m)

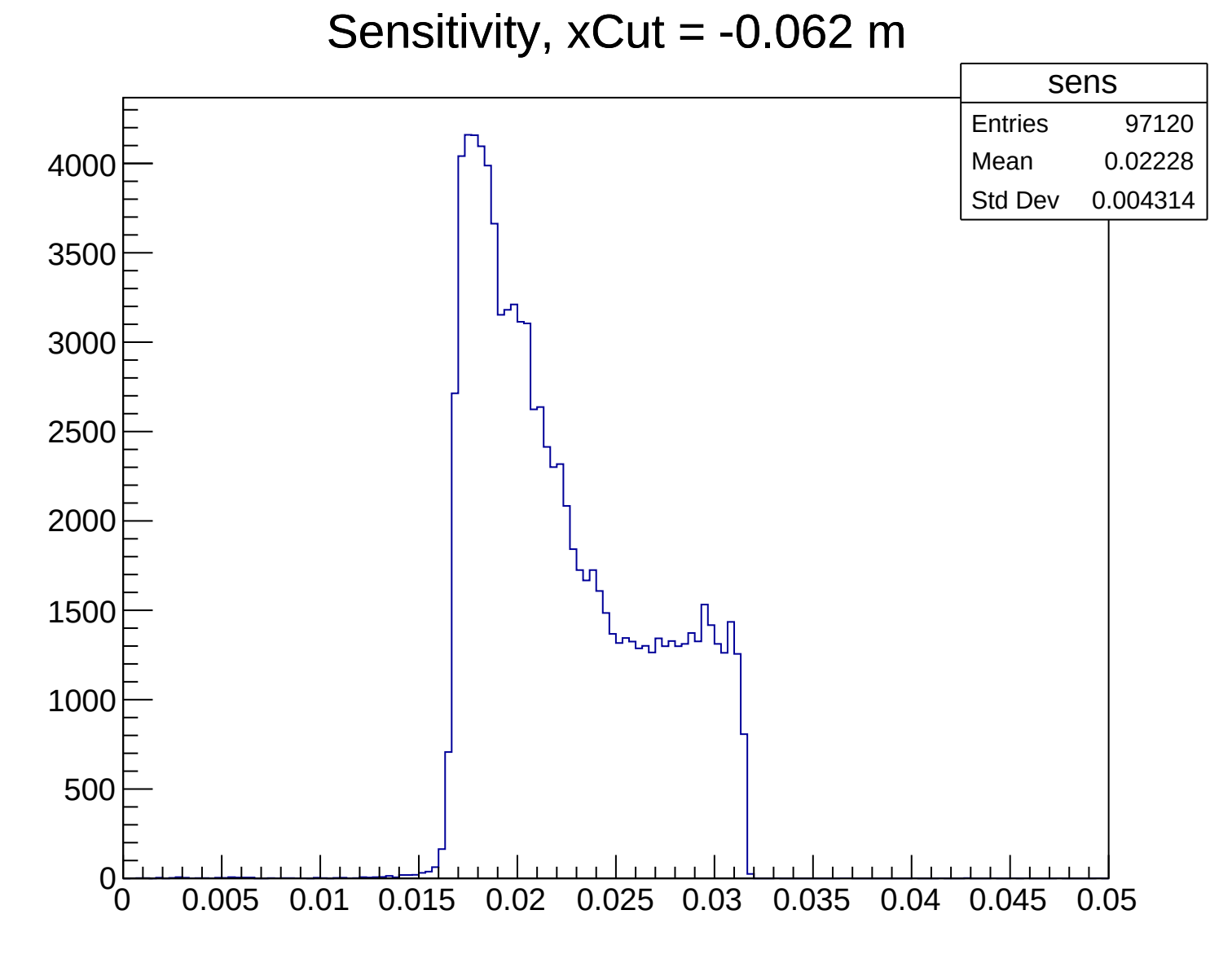

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

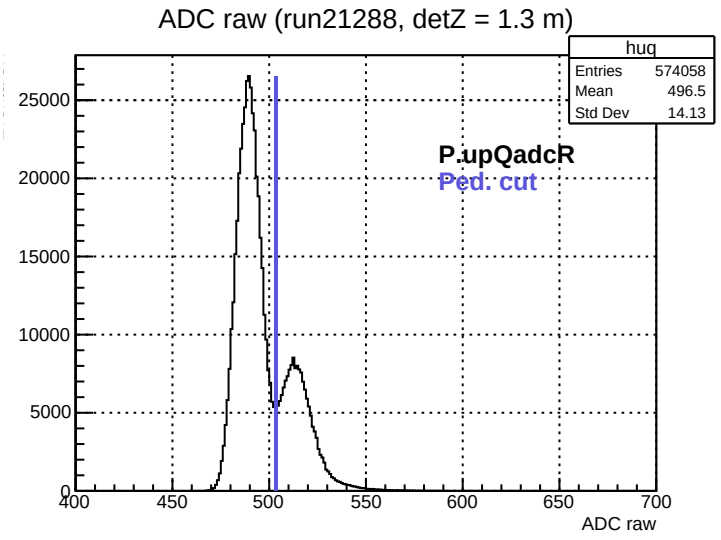

θlab (deg), xCut = -0.062 m
Theta
Entries 97120
Mean 4.791
Std Dev 0.5062
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

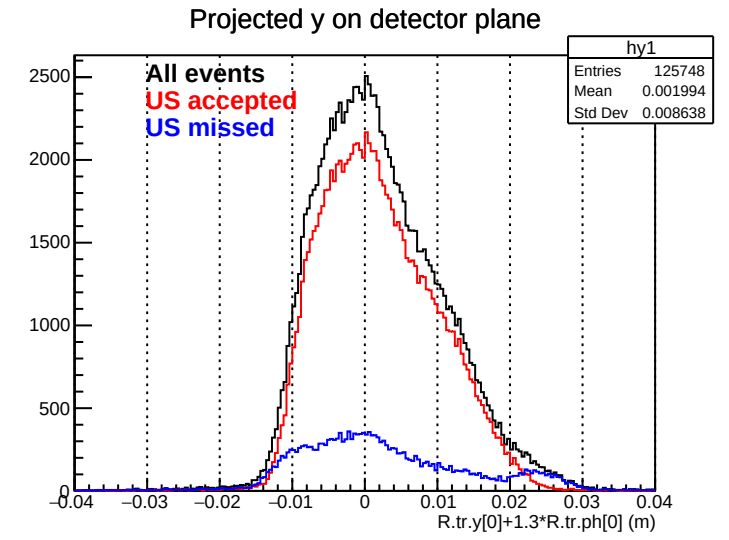

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 97120
Mean 0.5657
Std Dev 0.1005
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

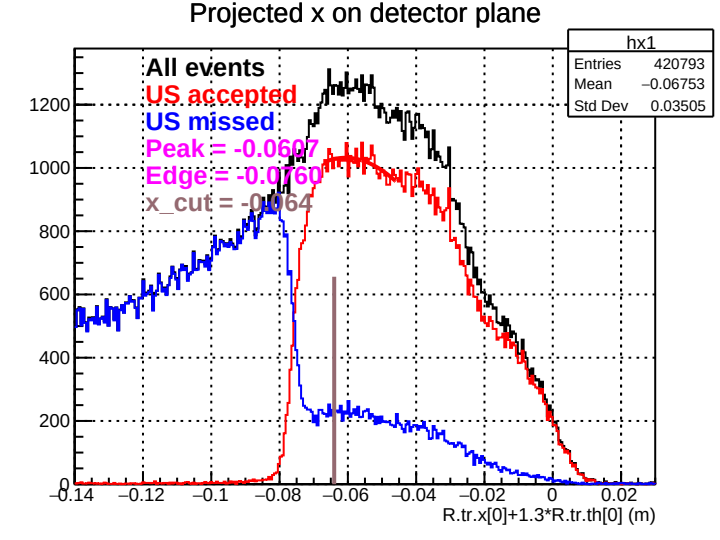

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 97120
Mean 0.5528
Std Dev 0.09638
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

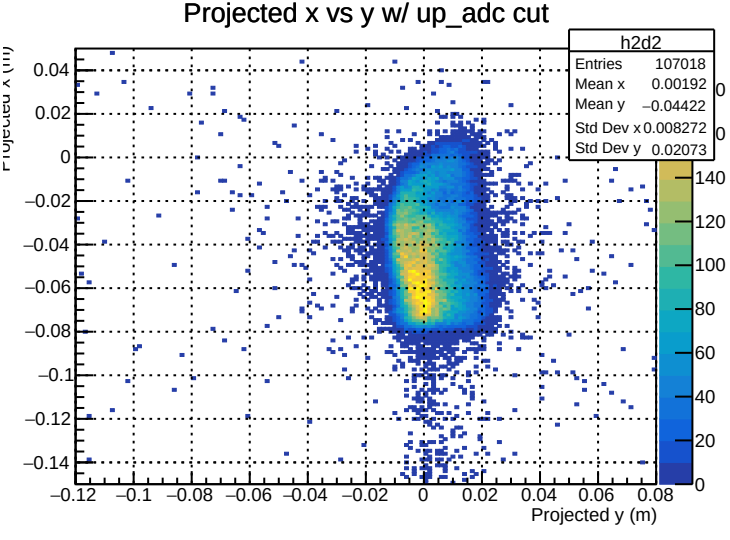

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 97120
Mean 0.006356
Std Dev 0.001375
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

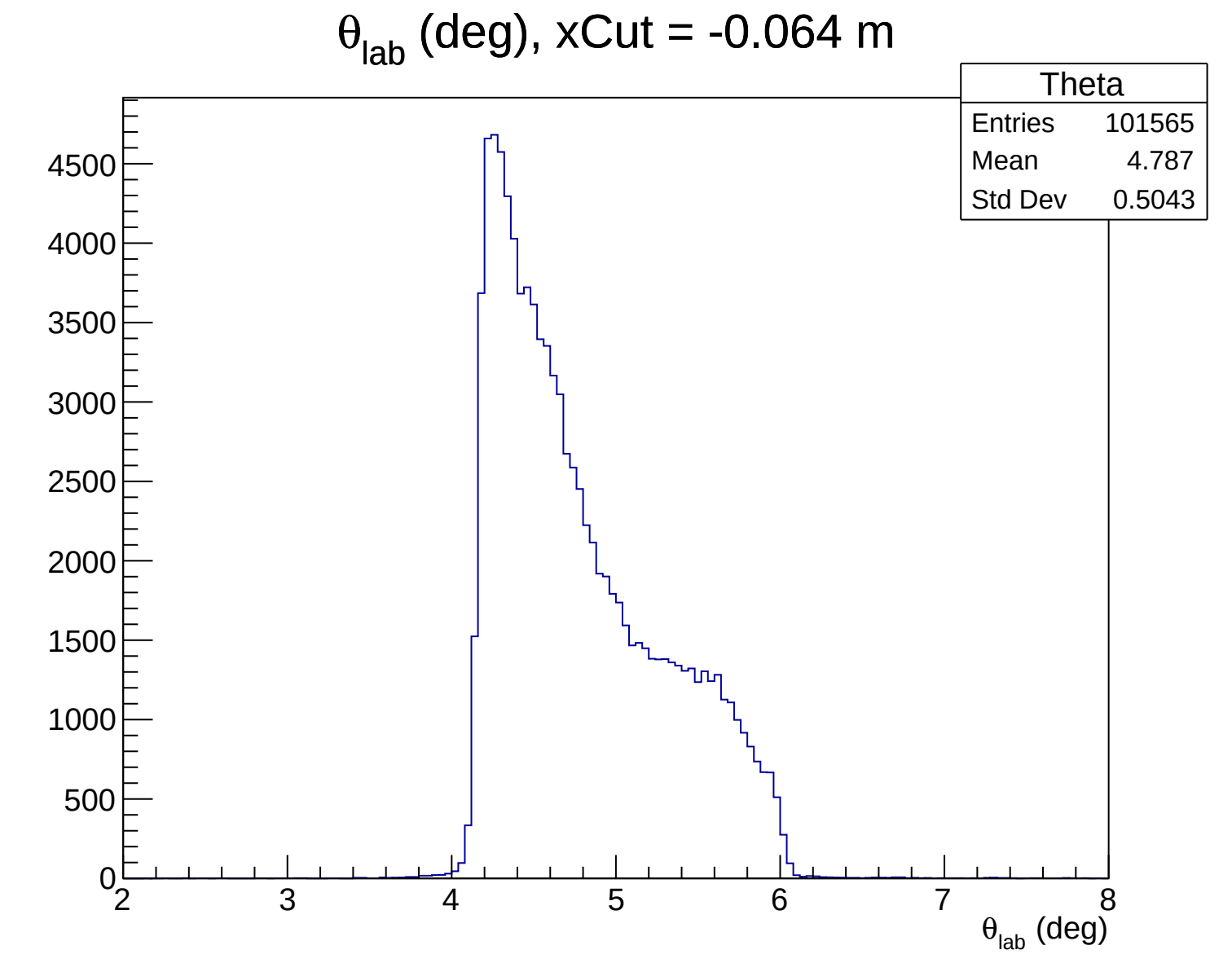

Sensitivity, xCut = -0.062 m
sens
Entries 97120
Mean 0.02228
Std Dev 0.004314
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

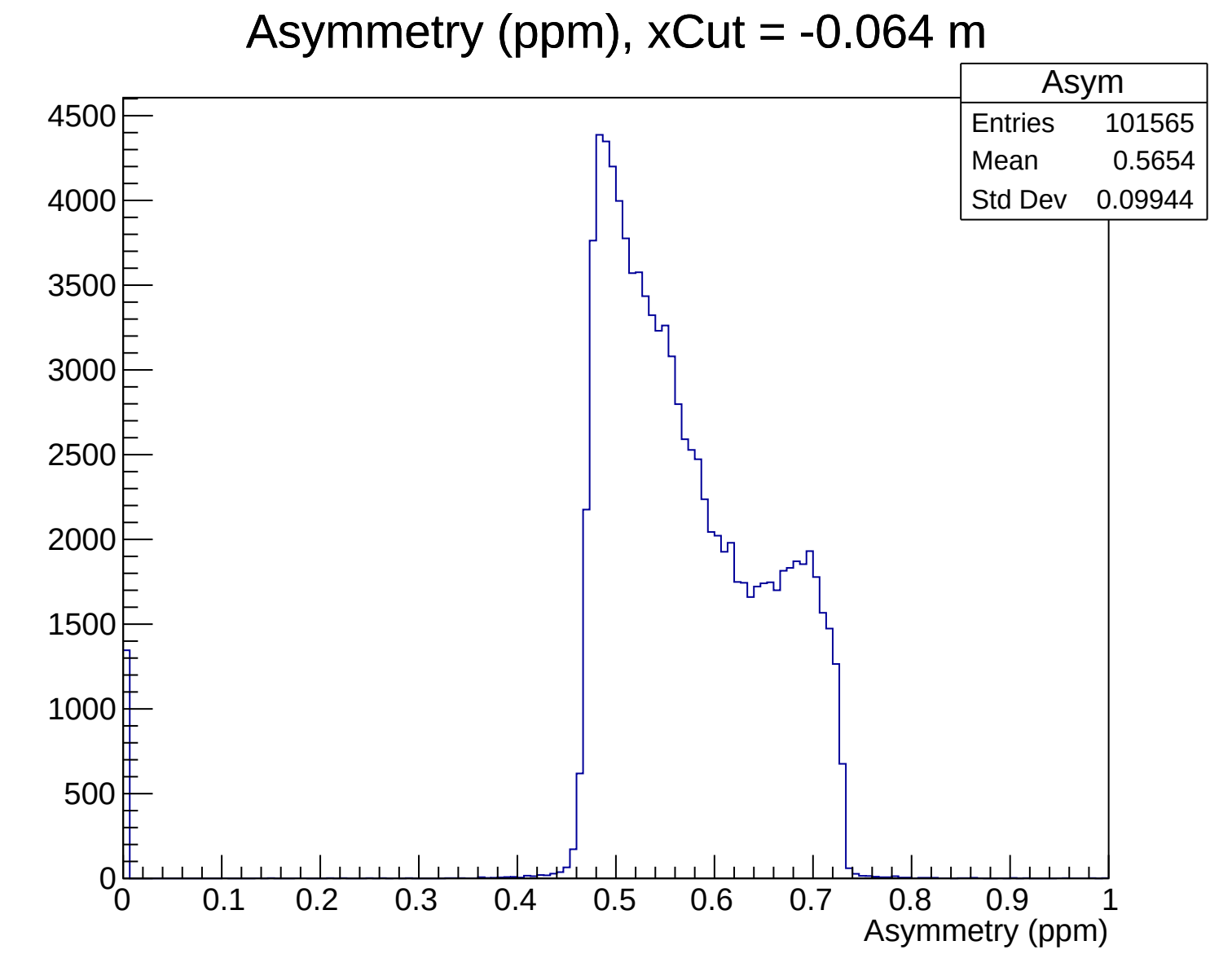

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

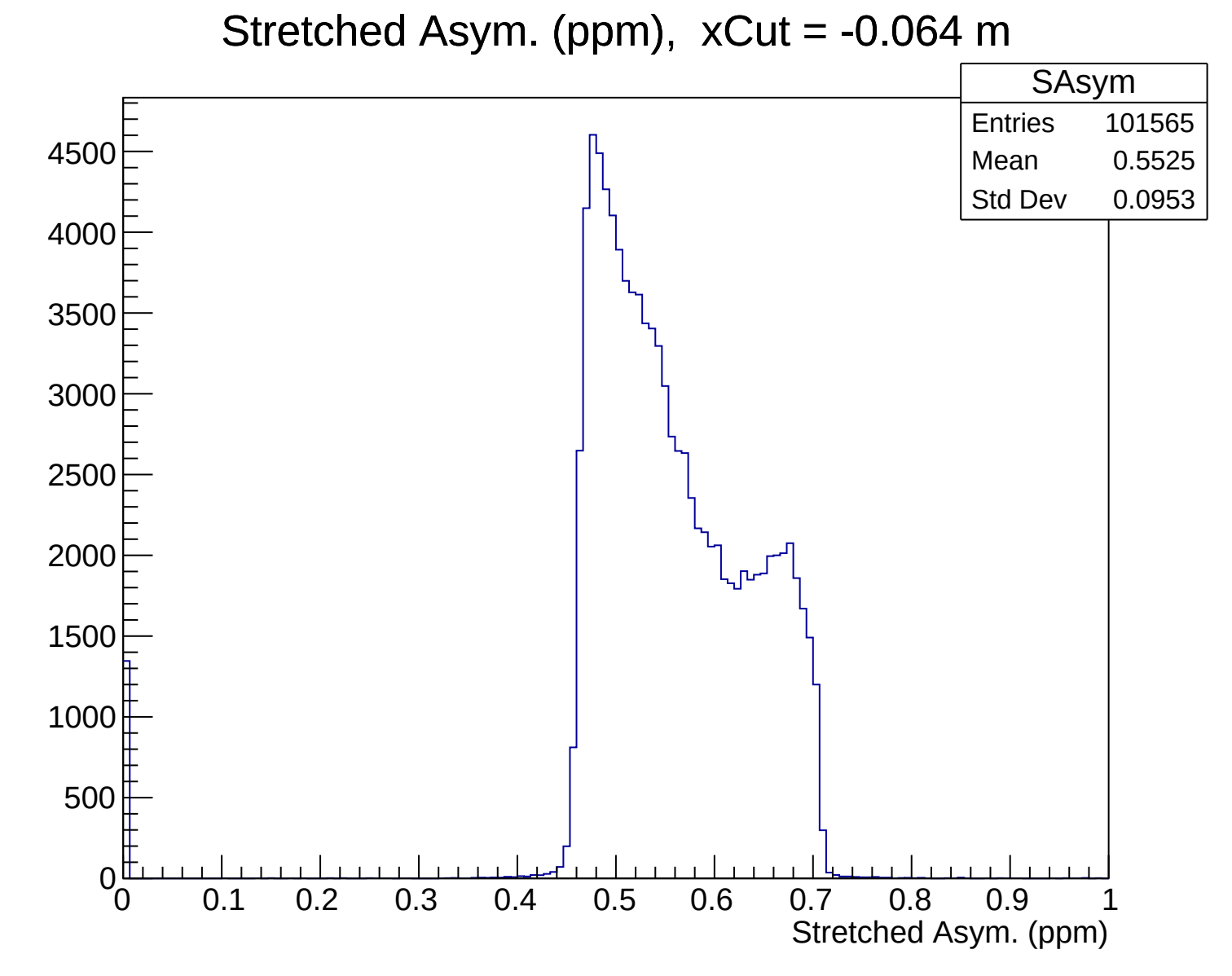

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

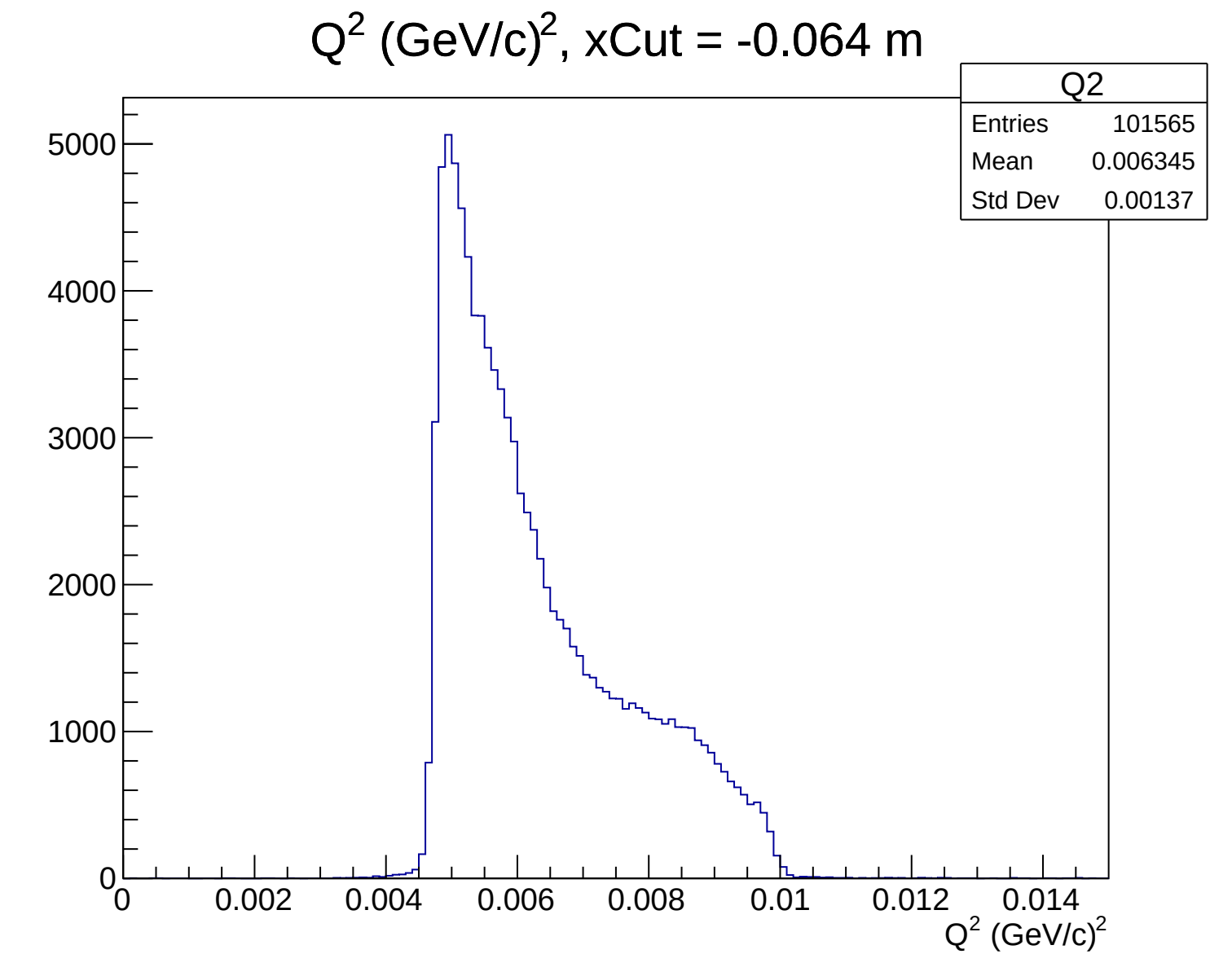

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.064
R.tr.x[0]+1.3*R.tr.th[0] (m)

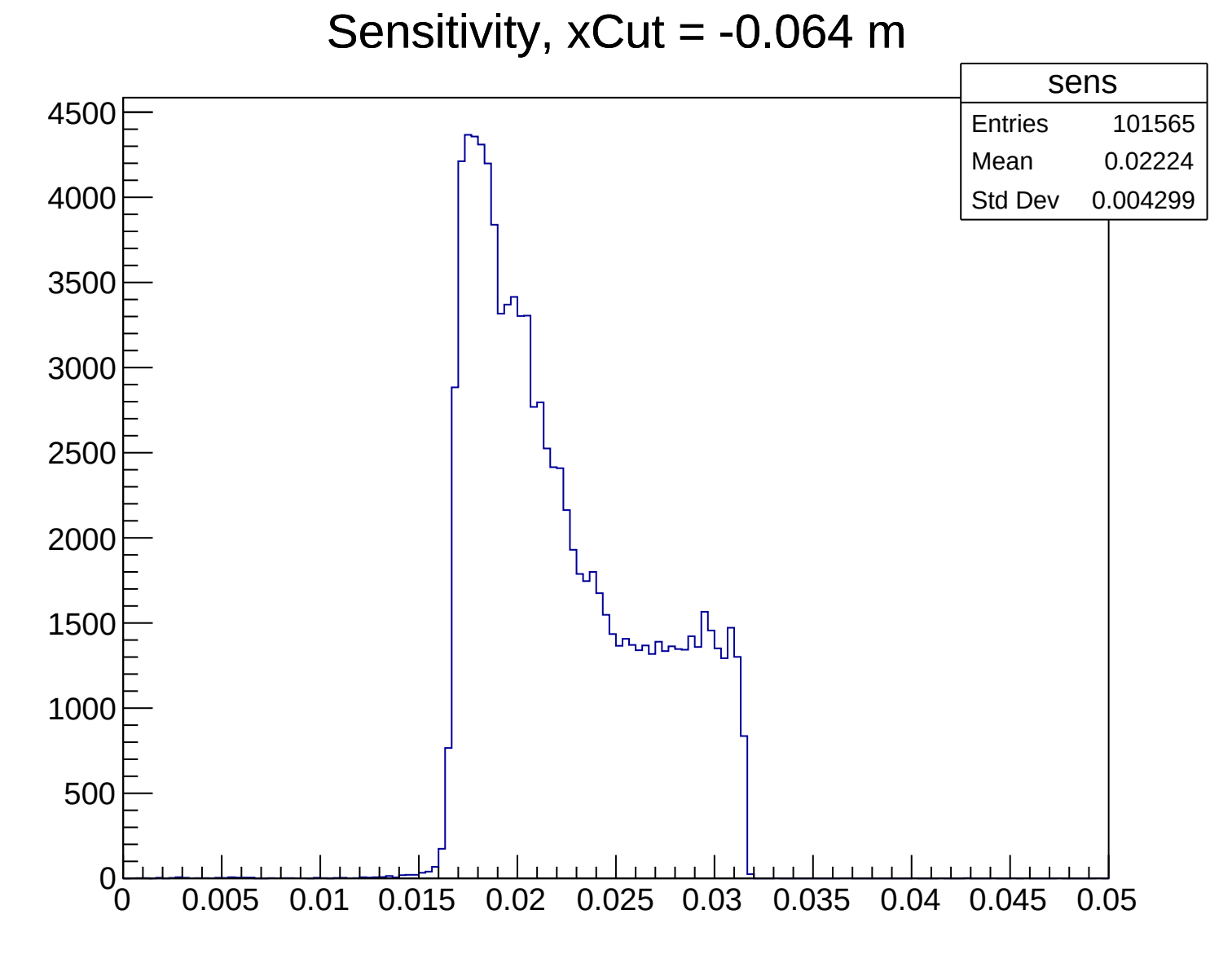

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

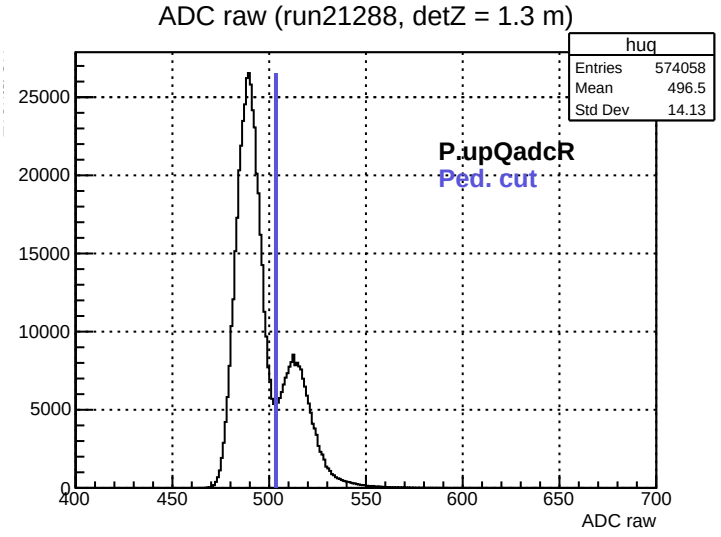

θlab (deg), xCut = -0.064 m
Theta
Entries 101565
Mean 4.787
Std Dev 0.5043
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

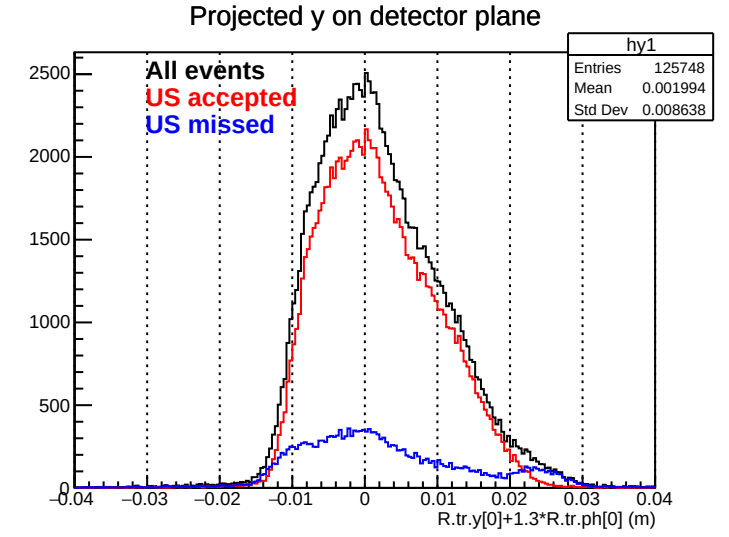

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 101565
Mean 0.5654
Std Dev 0.09944
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

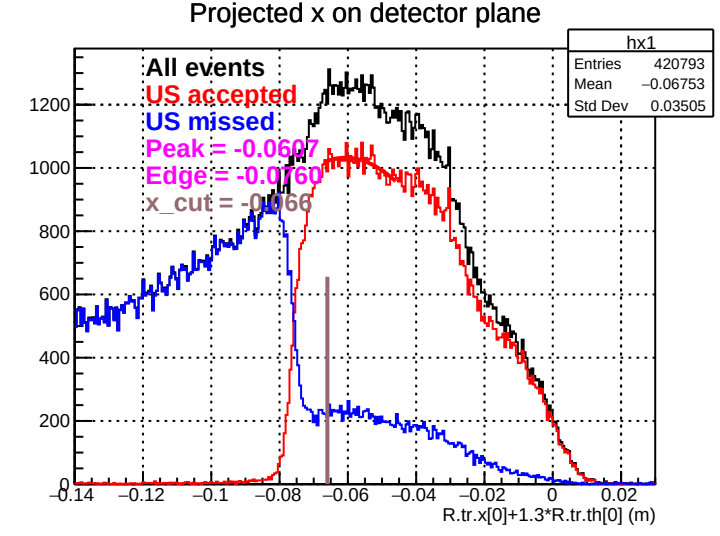

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 101565
Mean 0.5525
Std Dev 0.0953
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

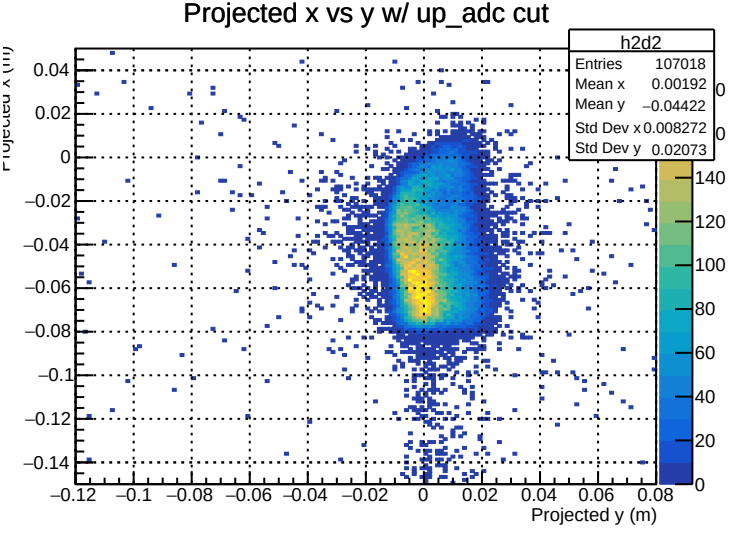

Q^2 $(GeV/c)^2$, xCut = -0.064 m
Q2
Entries 101565
Mean 0.006345
Std Dev 0.00137
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

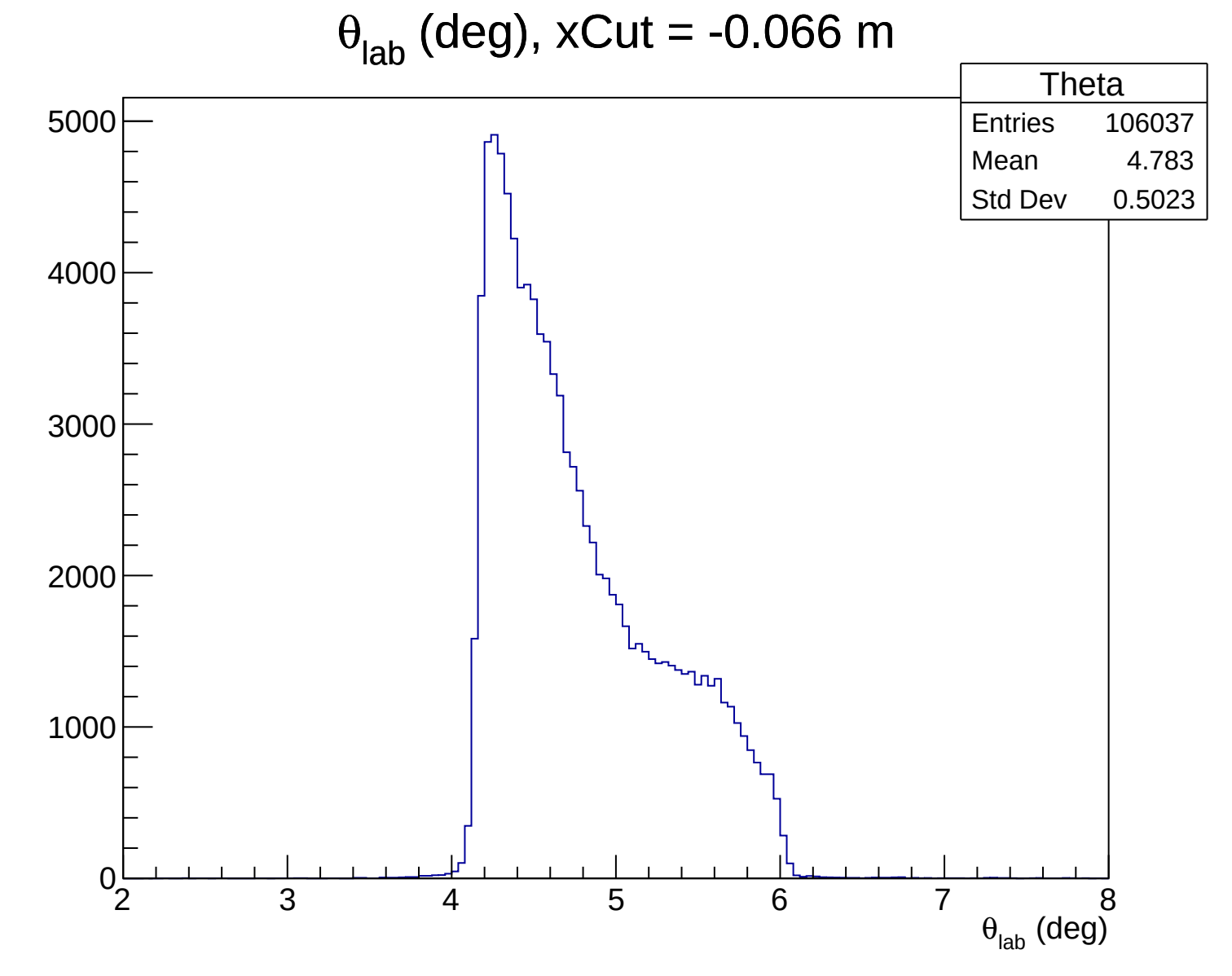

Sensitivity, xCut = -0.064 m
sens
Entries 101565
Mean 0.02224
Std Dev 0.004299
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

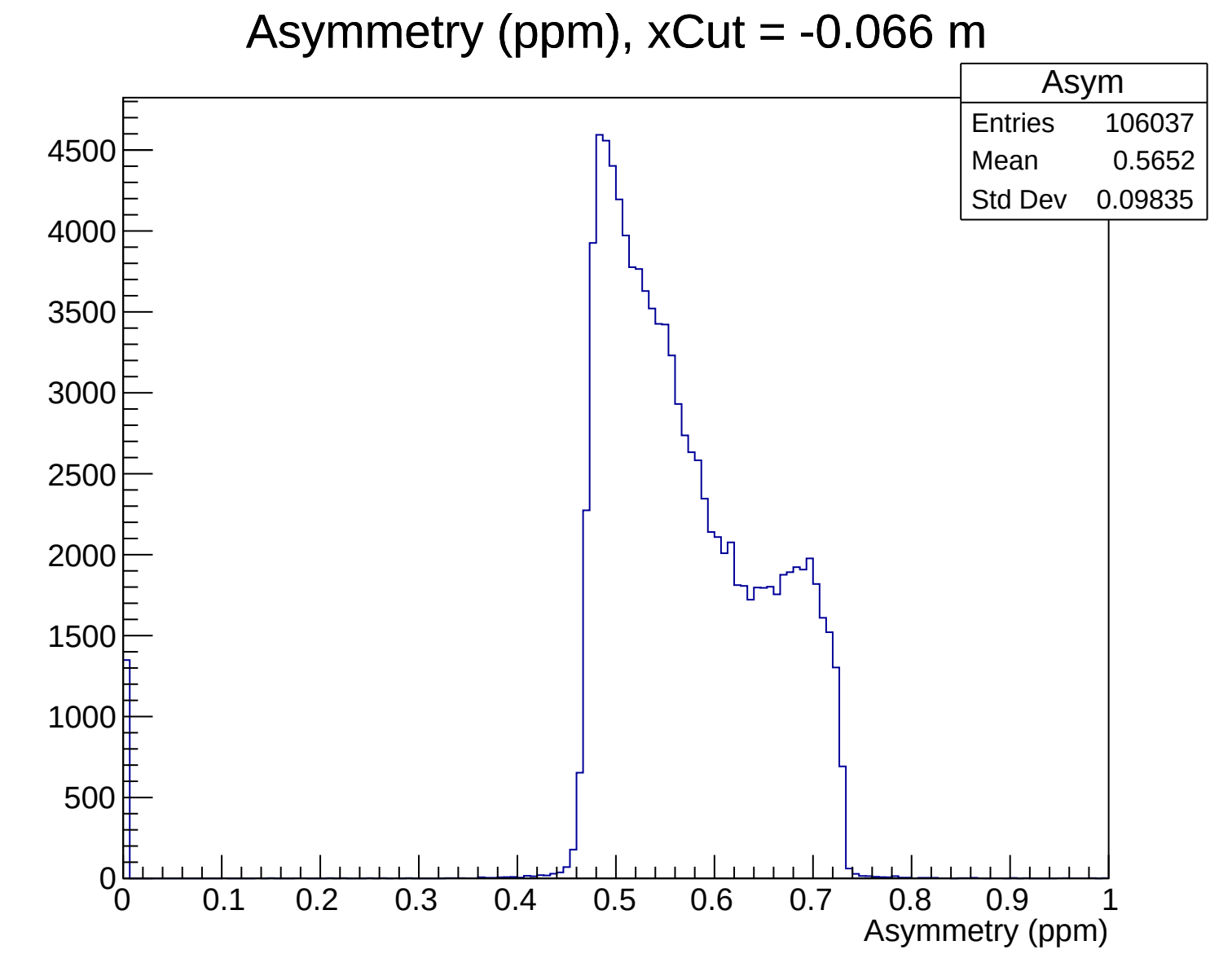

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

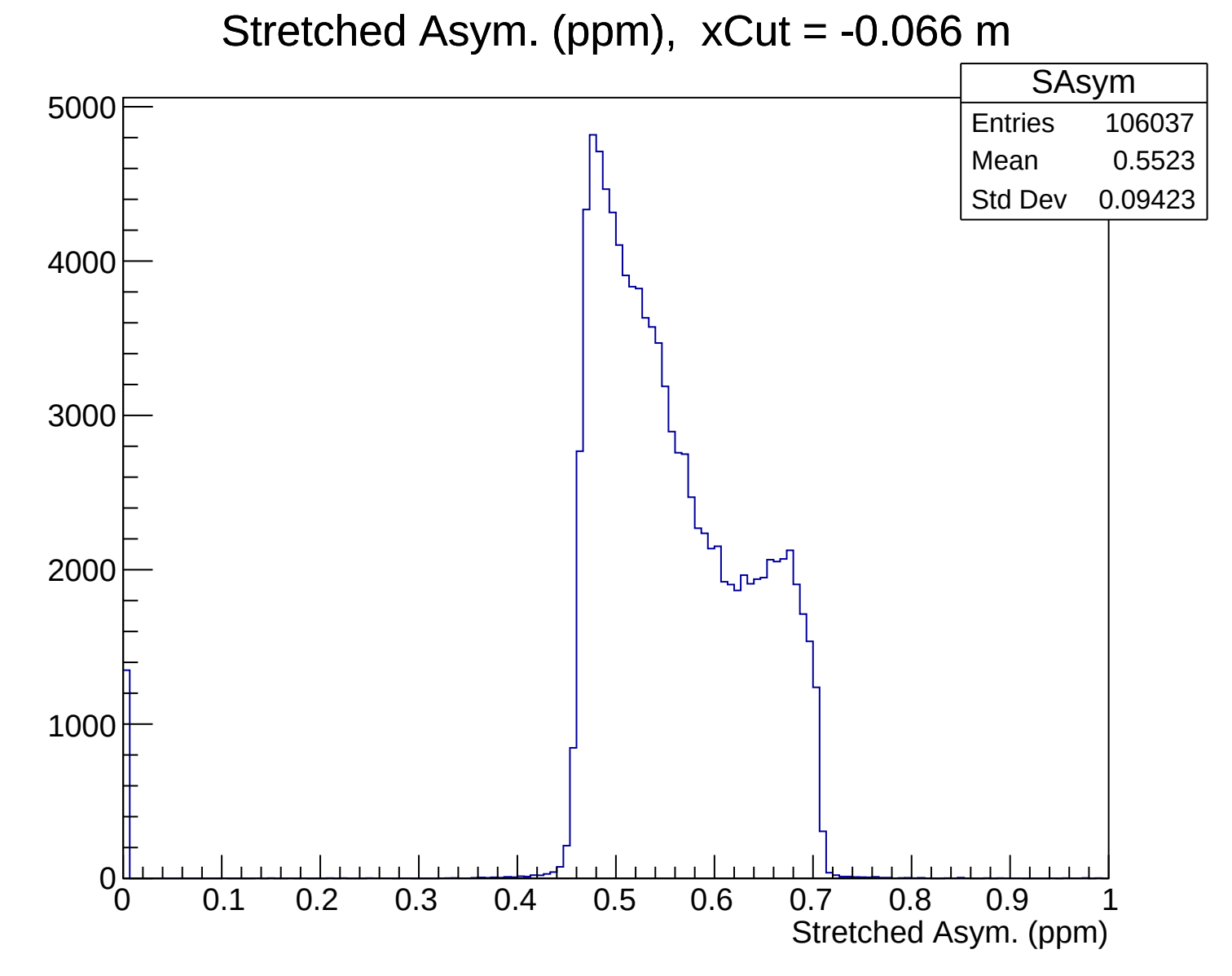

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

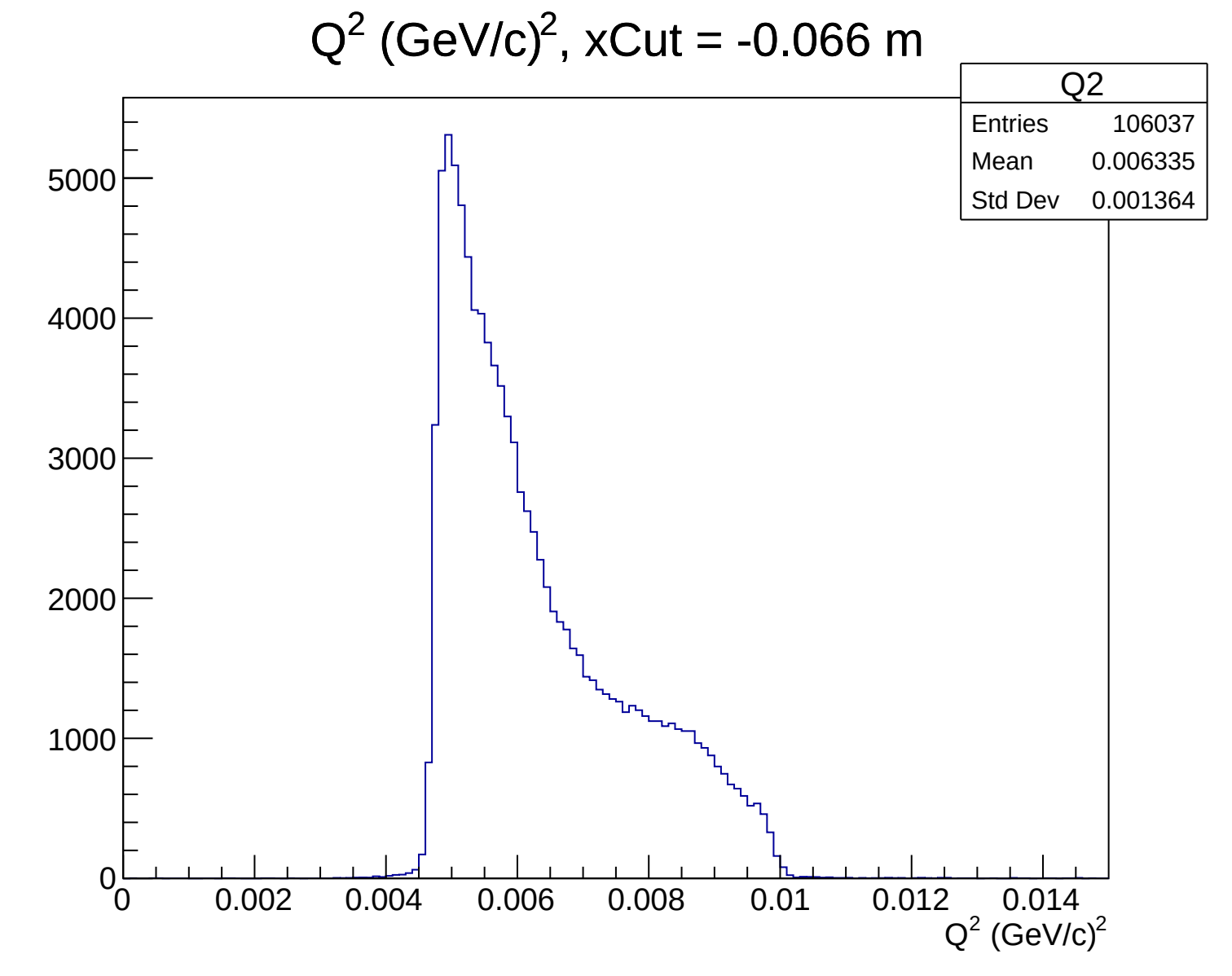

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.066
R.tr.x[0]+1.3*R.tr.th[0] (m)

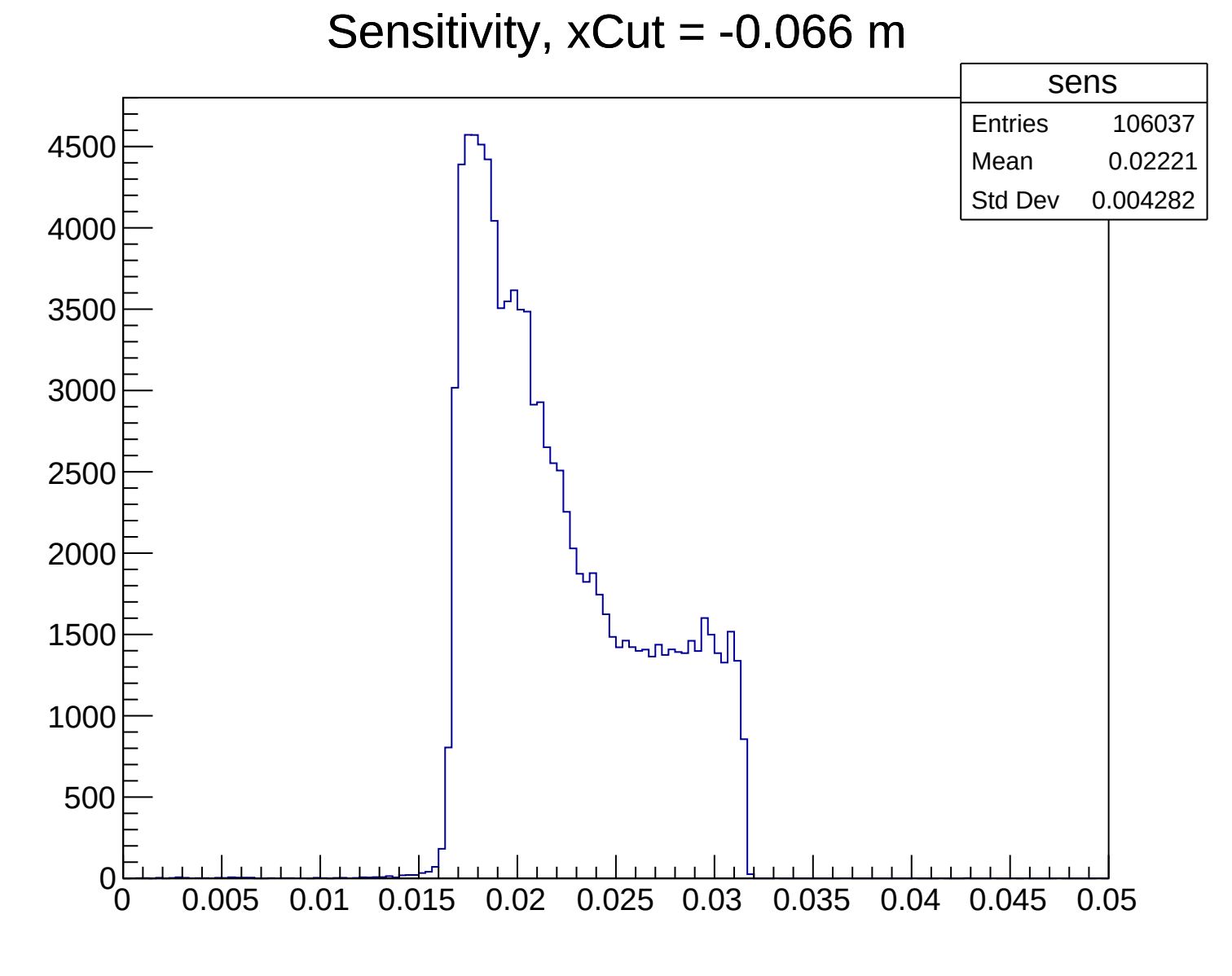

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected x (m)
Projected y (m)

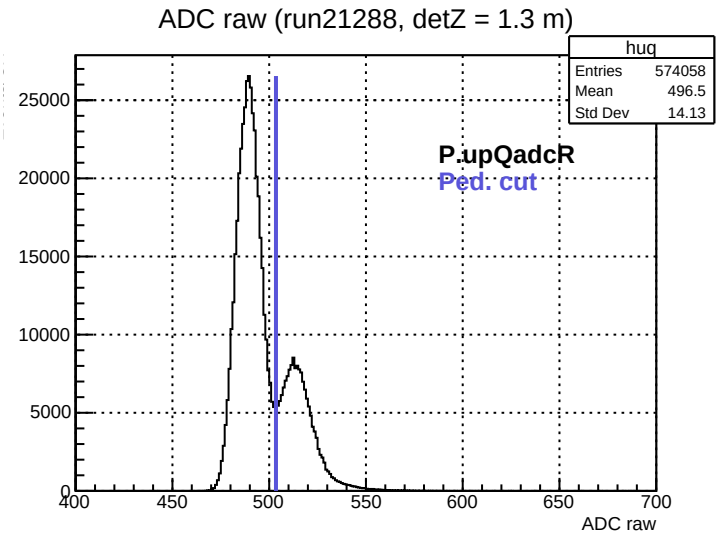

θlab (deg), xCut = -0.066 m
Theta
Entries 106037
Mean 4.783
Std Dev 0.5023
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

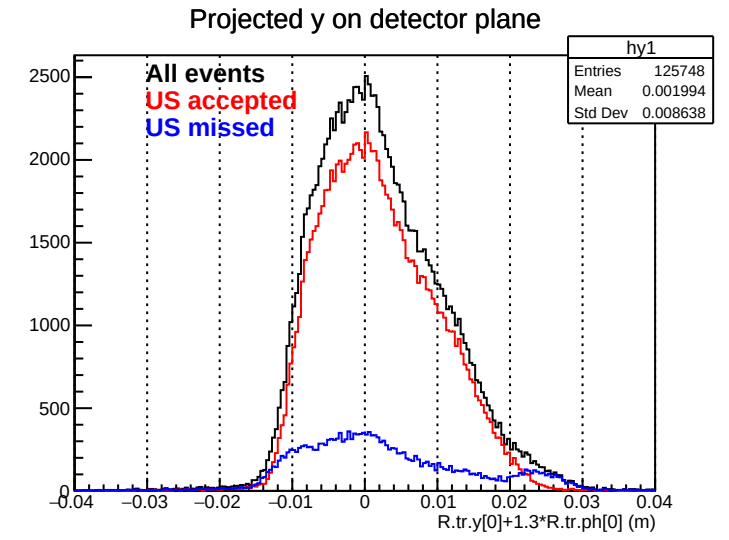

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 106037
Mean 0.5652
Std Dev 0.09835
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

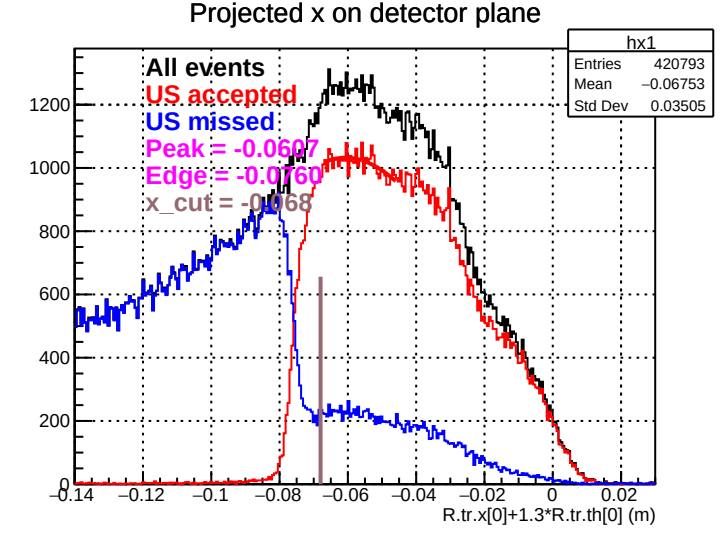

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 106037
Mean 0.5523
Std Dev 0.09423
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

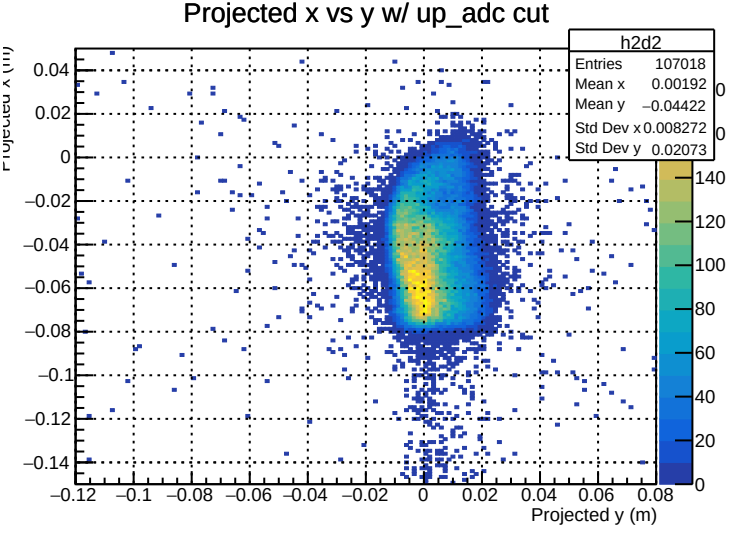

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 106037
Mean 0.006335
Std Dev 0.001364
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

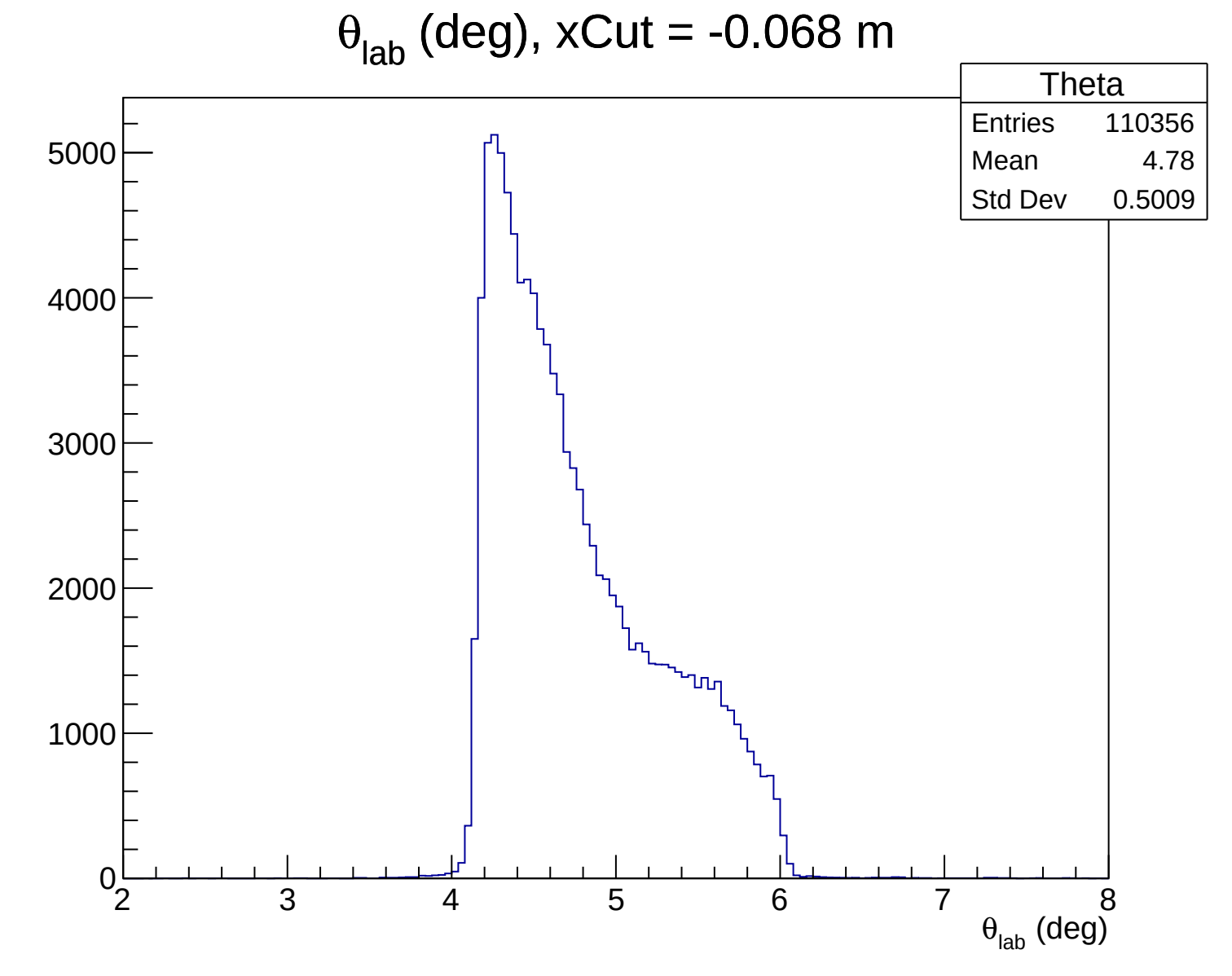

Sensitivity, xCut = -0.066 m
sens
Entries 106037
Mean 0.02221
Std Dev 0.004282
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

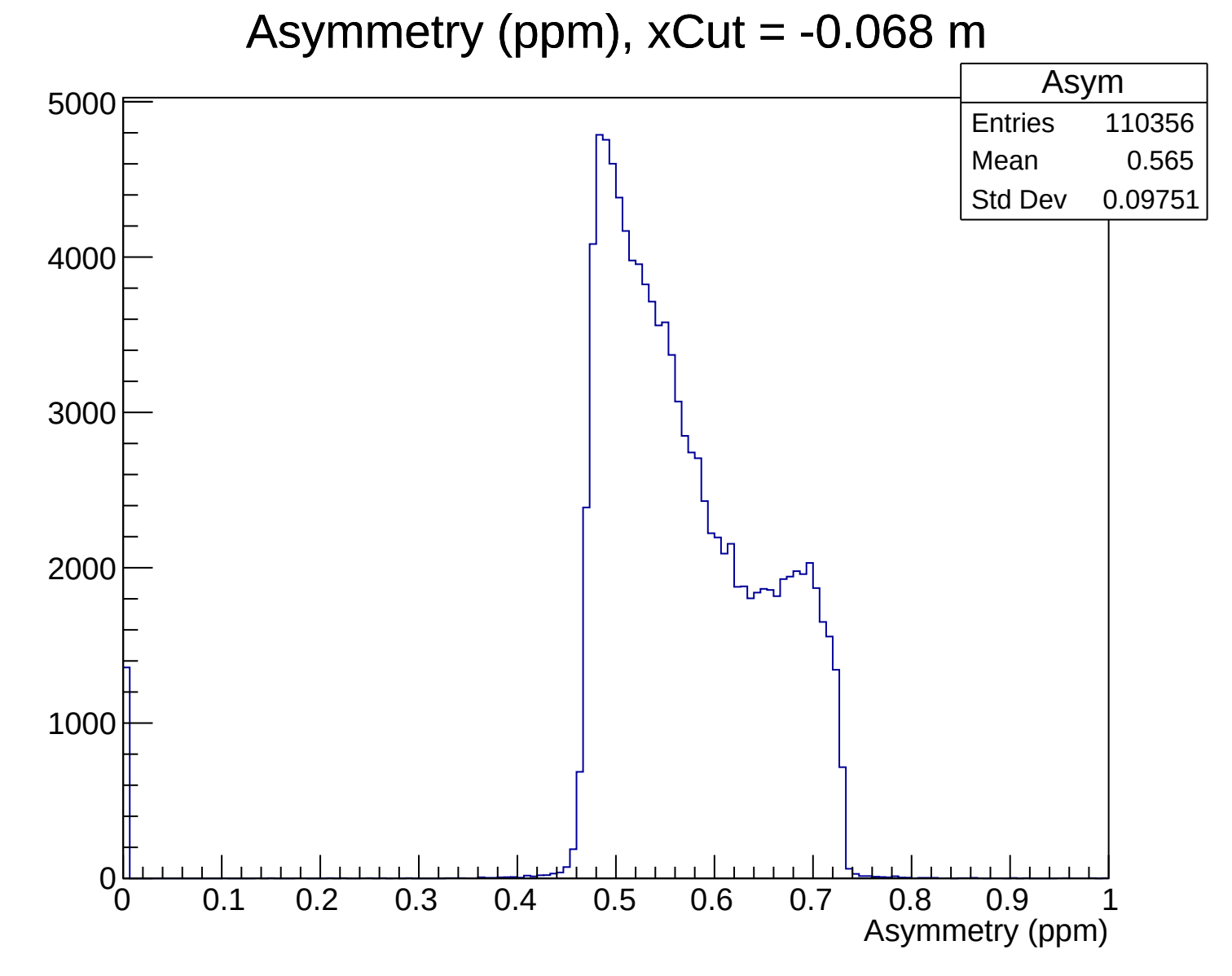

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

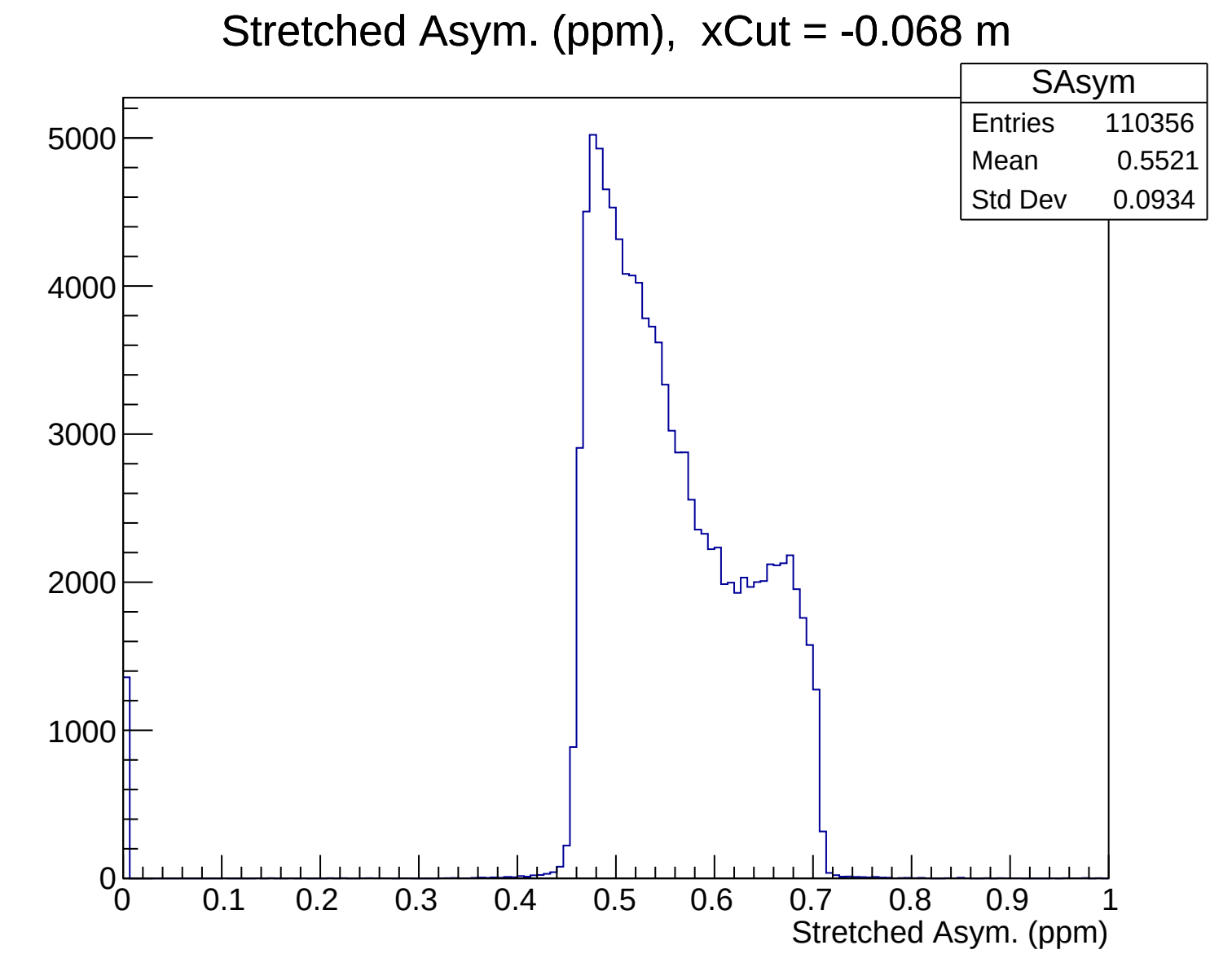

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

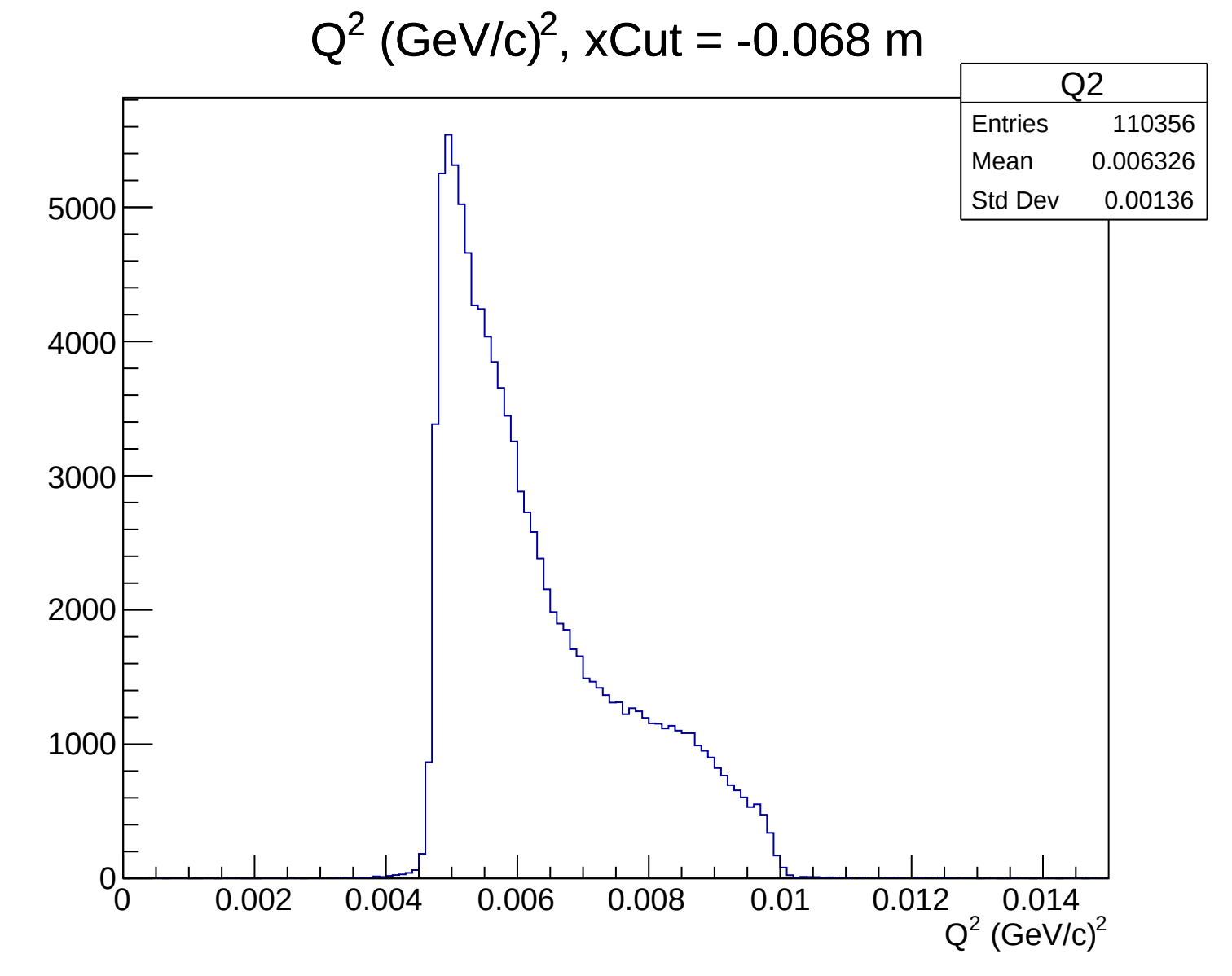

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.068
R.tr.x[0]+1.3*R.tr.th[0] (m)

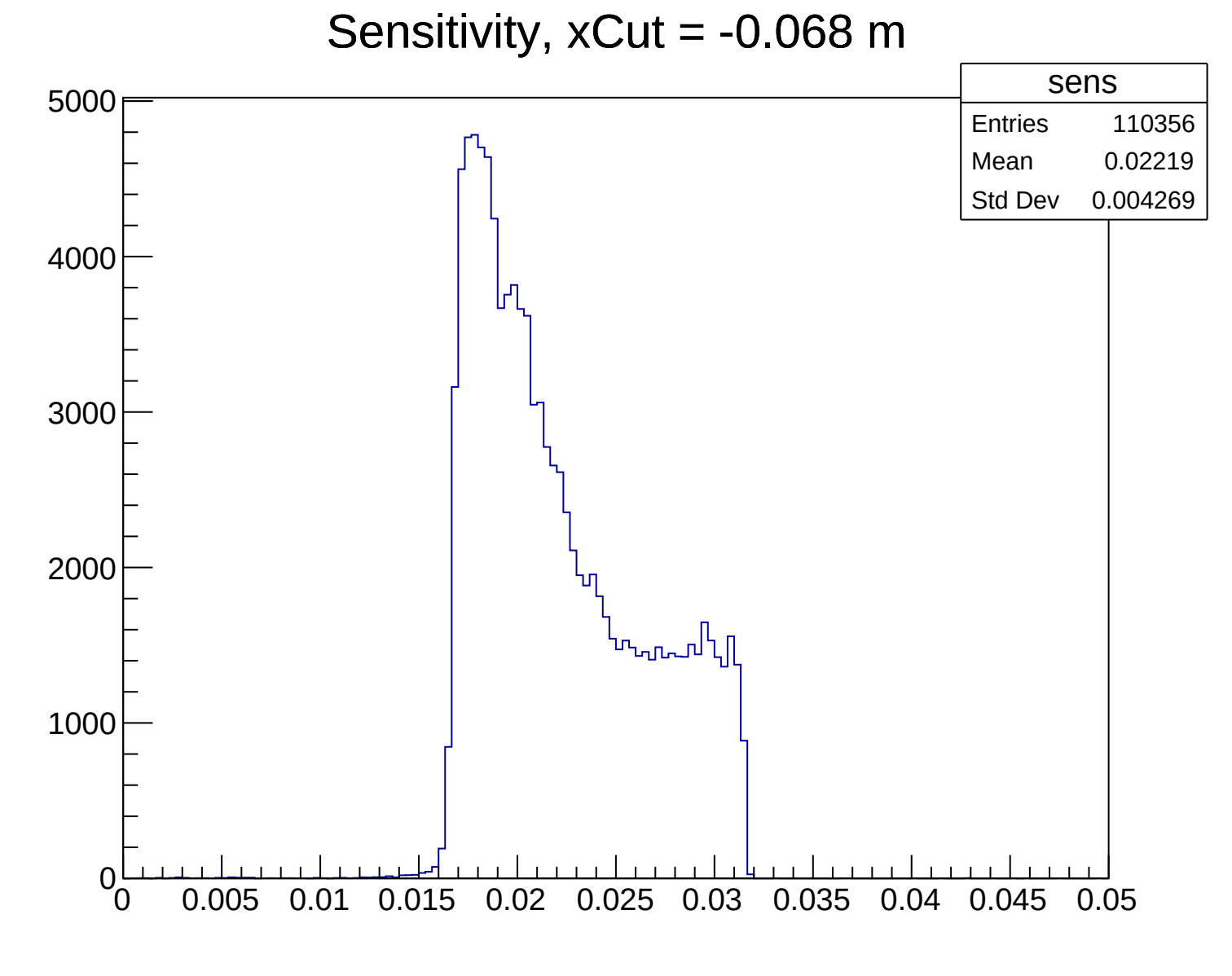

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

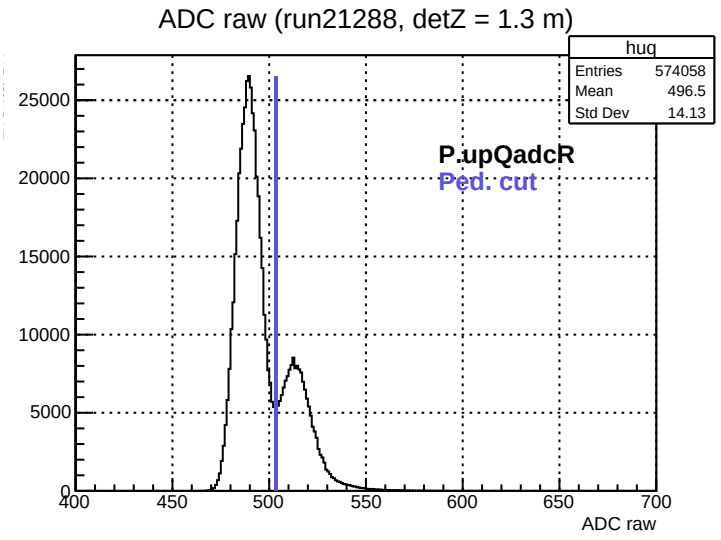

θlab (deg), xCut = -0.068 m
Theta
Entries 110356
Mean 4.78
Std Dev 0.5009
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

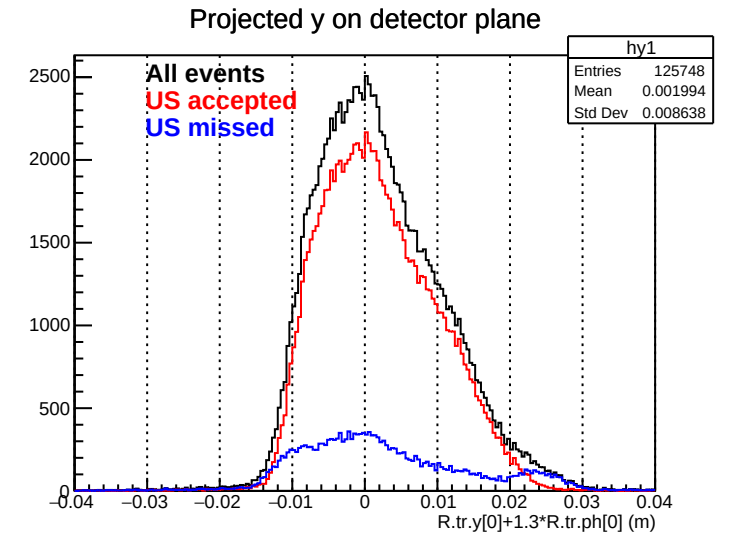

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 110356
Mean 0.565
Std Dev 0.09751
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

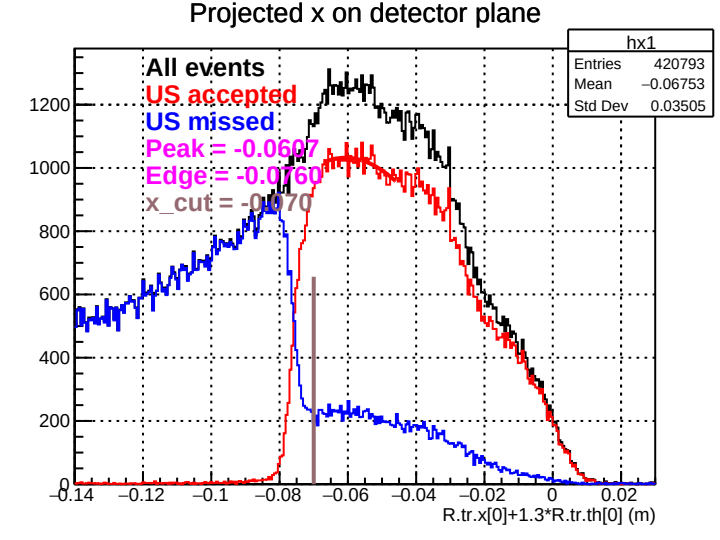

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 110356
Mean 0.5521
Std Dev 0.0934
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

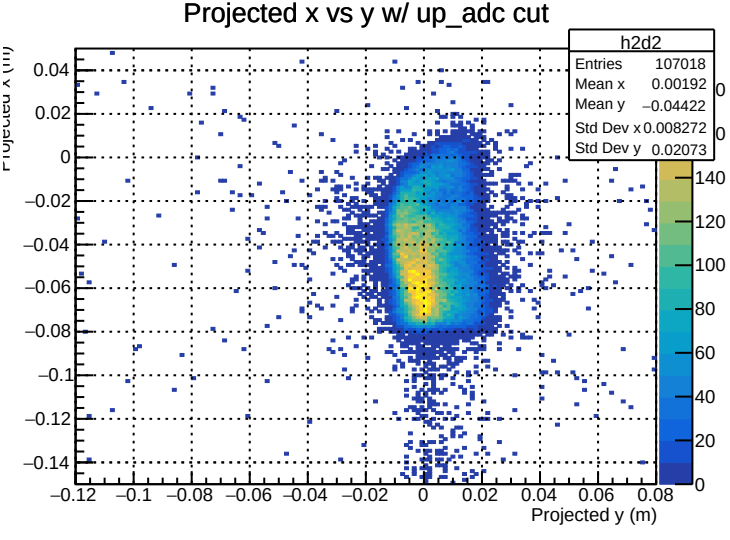

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 110356
Mean 0.006326
Std Dev 0.00136
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

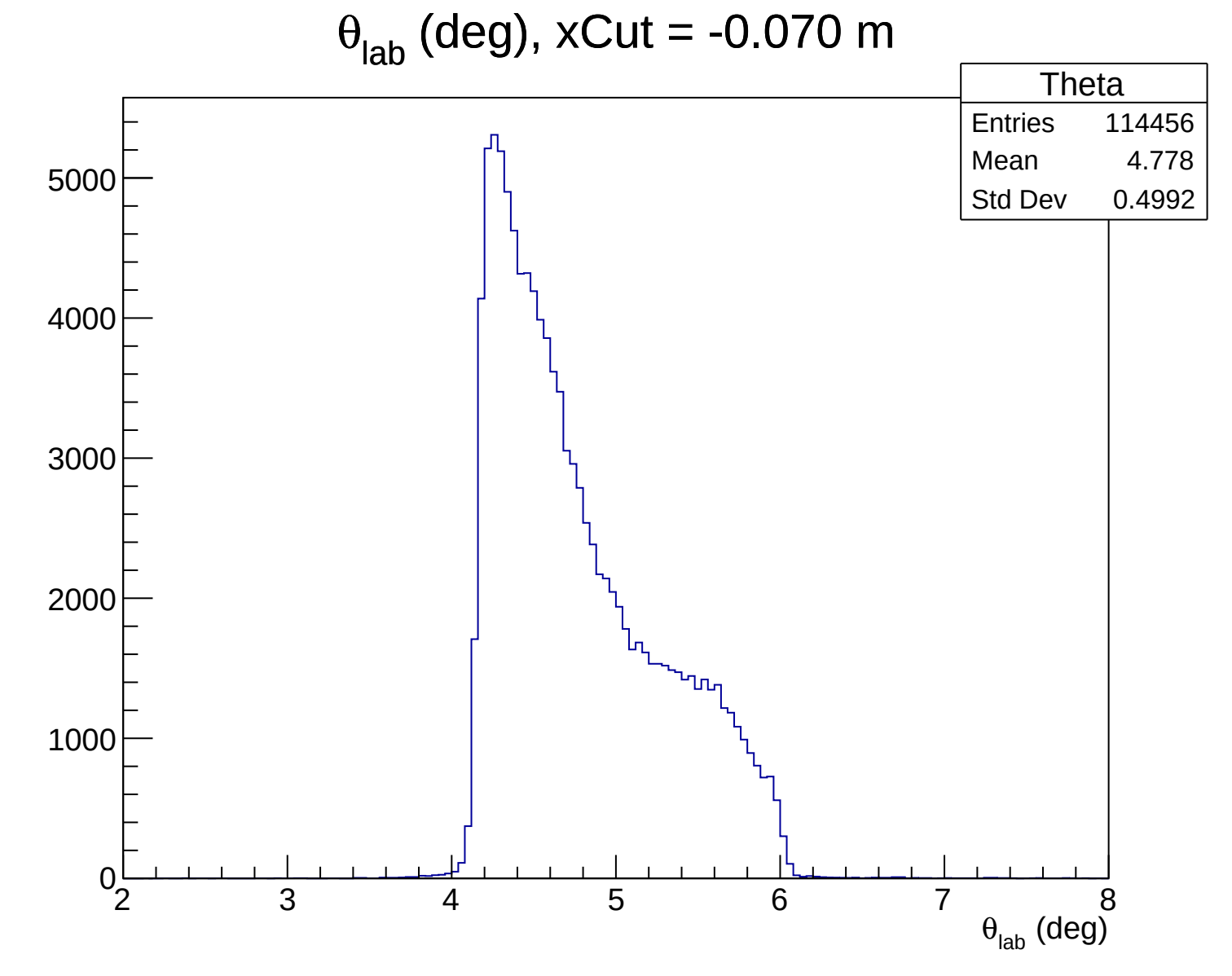

Sensitivity, xCut = -0.068 m
sens
Entries 110356
Mean 0.02219
Std Dev 0.004269
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

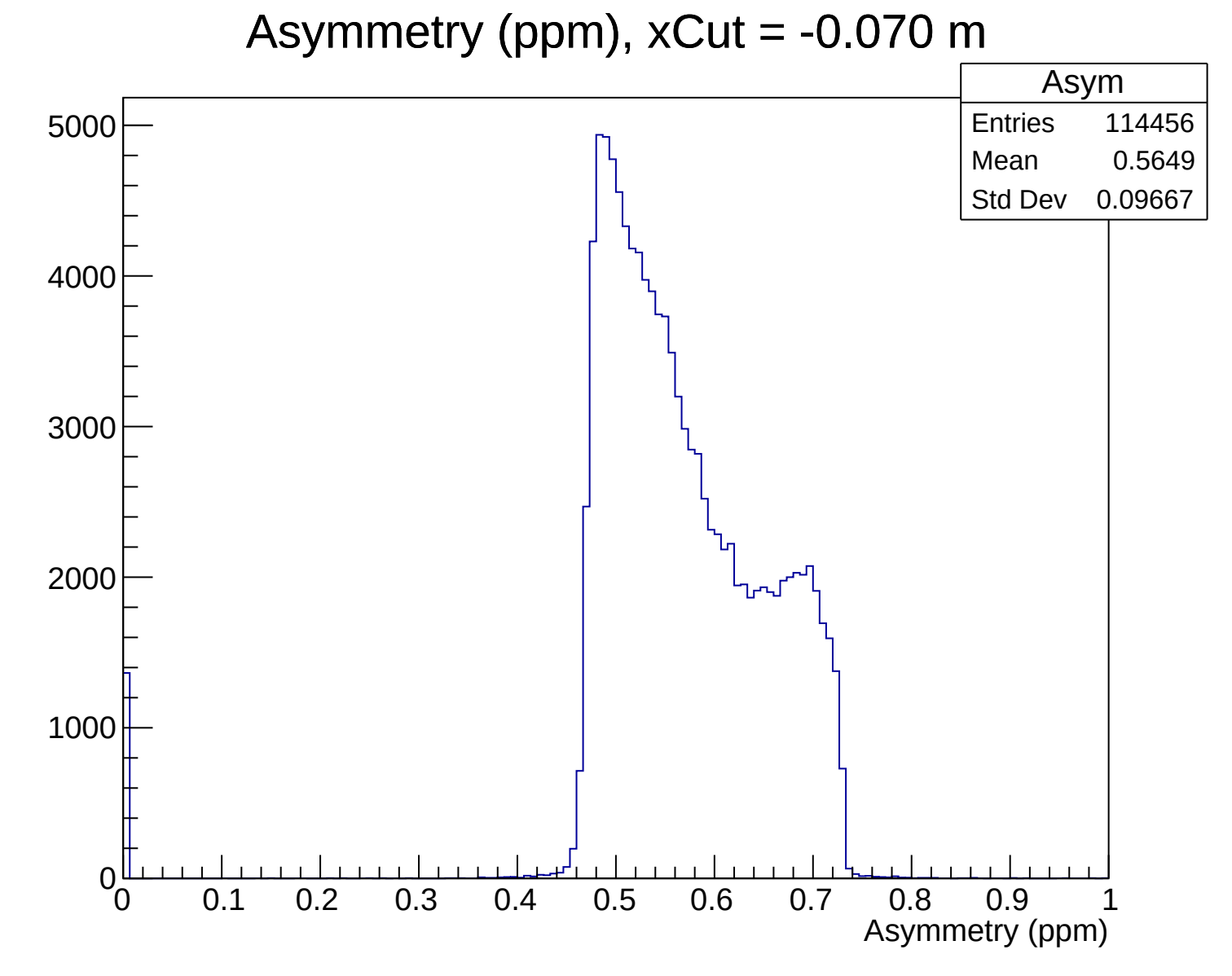

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

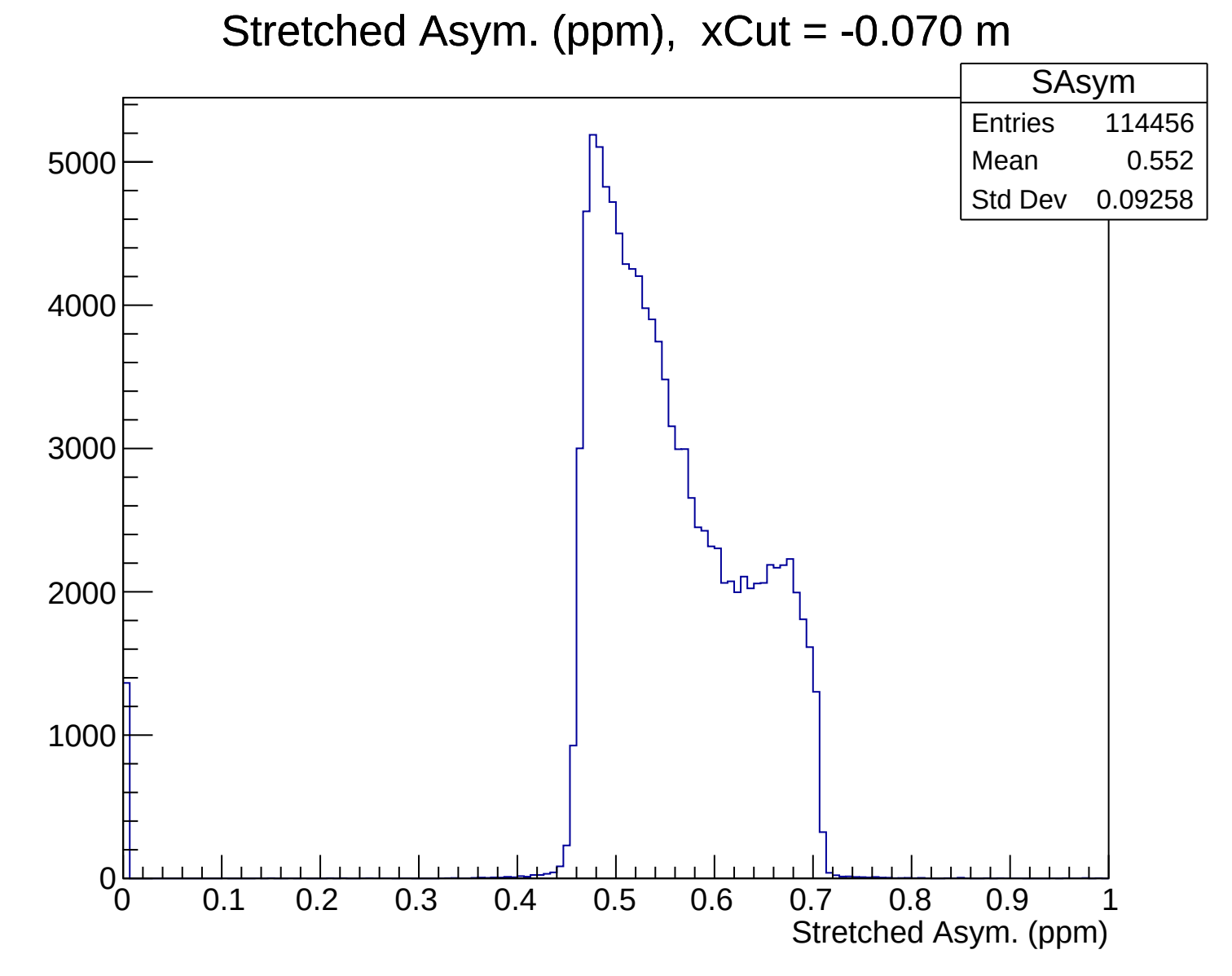

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

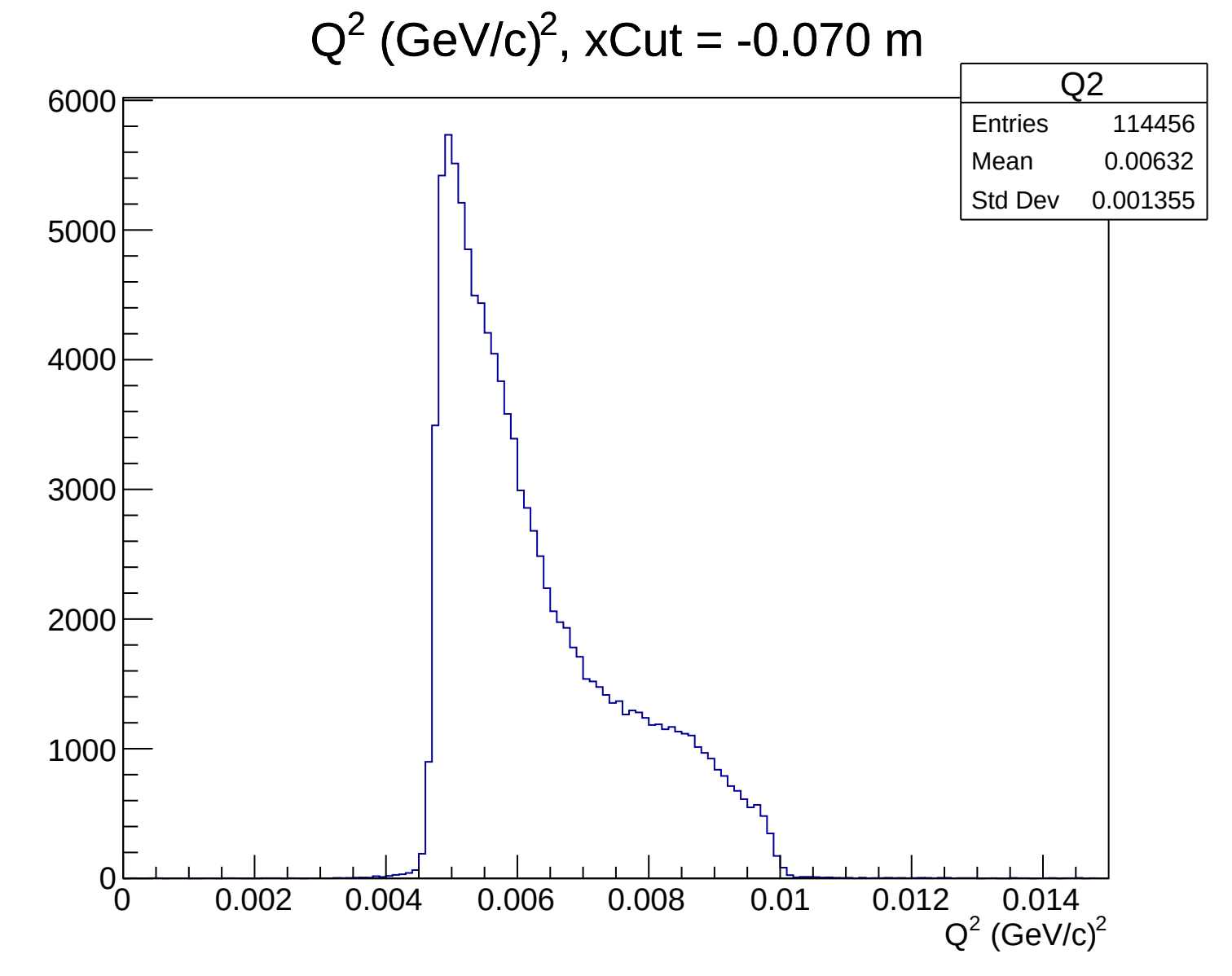

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.070
R.tr.x[0]+1.3*R.tr.th[0] (m)

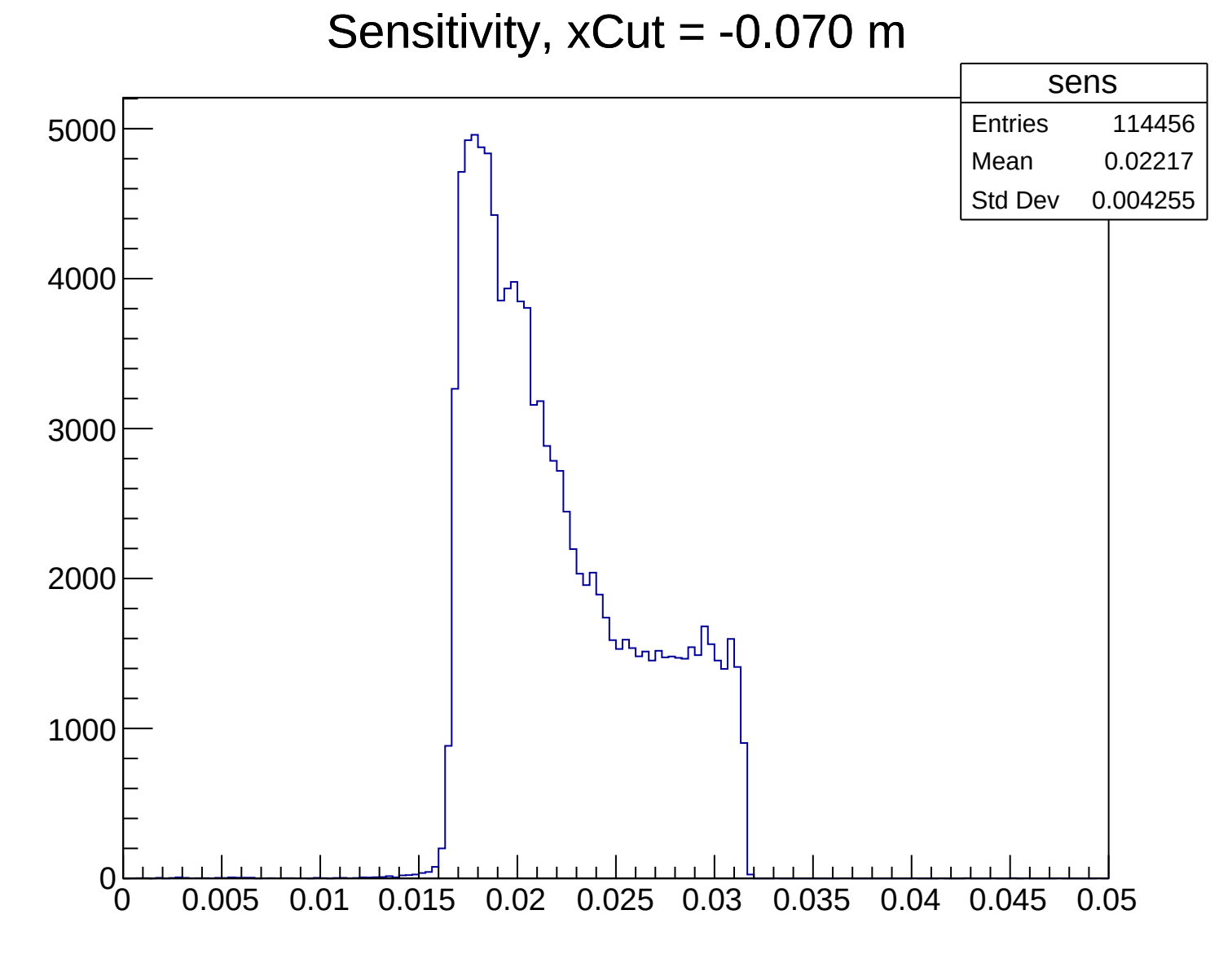

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

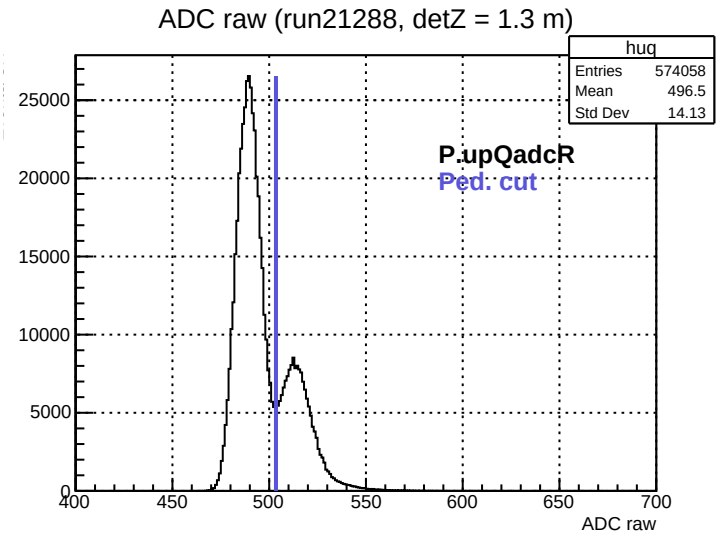

θlab (deg), xCut = -0.070 m
Theta
Entries 114456
Mean 4.778
Std Dev 0.4992
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

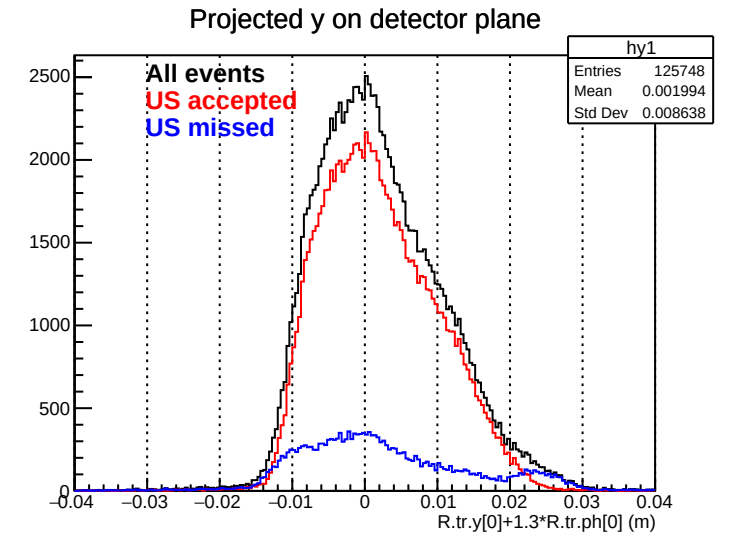

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 114456
Mean 0.5649
Std Dev 0.09667
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

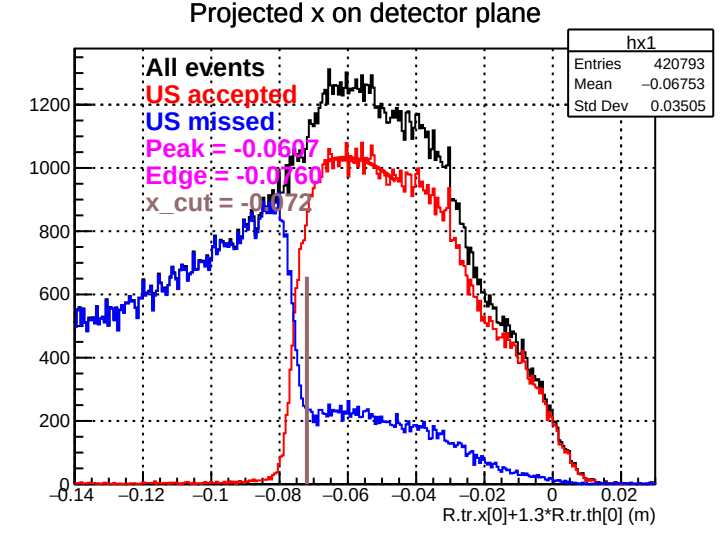

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 114456
Mean 0.552
Std Dev 0.09258
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

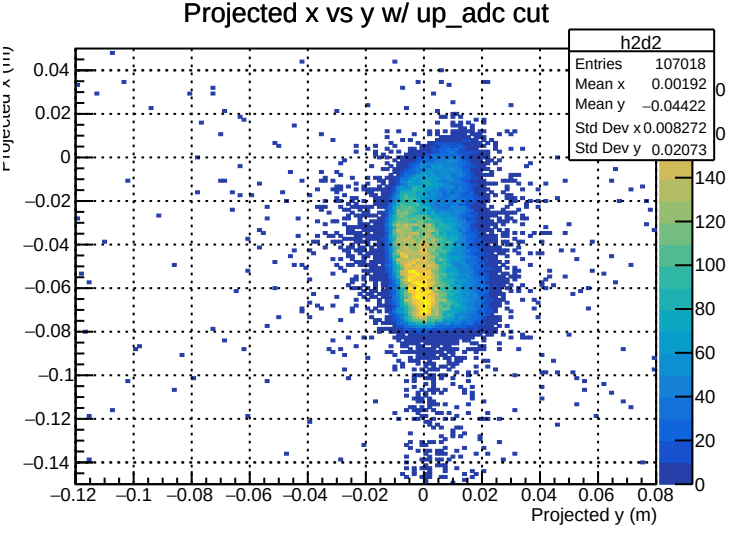

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 114456
Mean 0.00632
Std Dev 0.001355
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

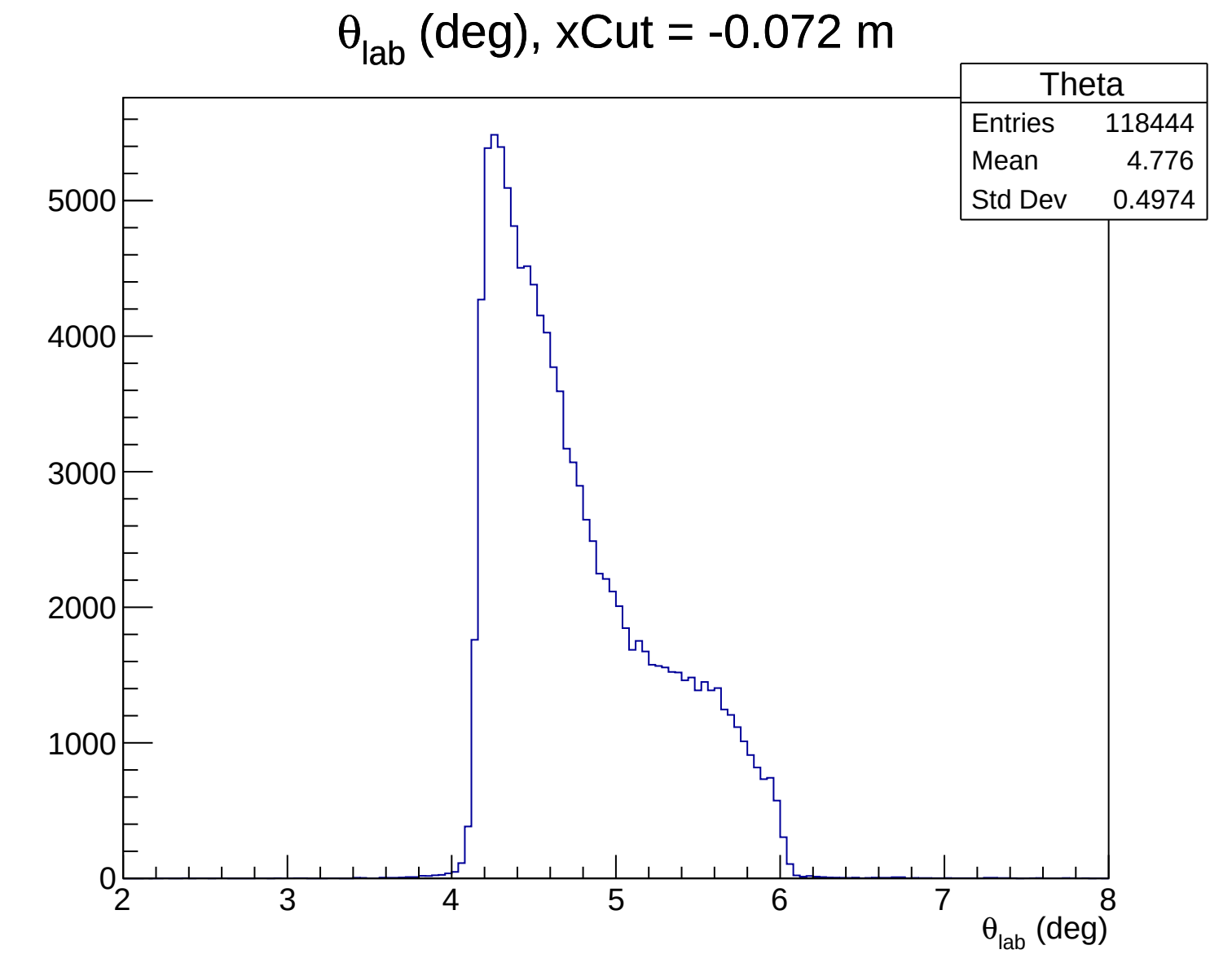

Sensitivity, xCut = -0.070 m
sens
Entries 114456
Mean 0.02217
Std Dev 0.004255
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

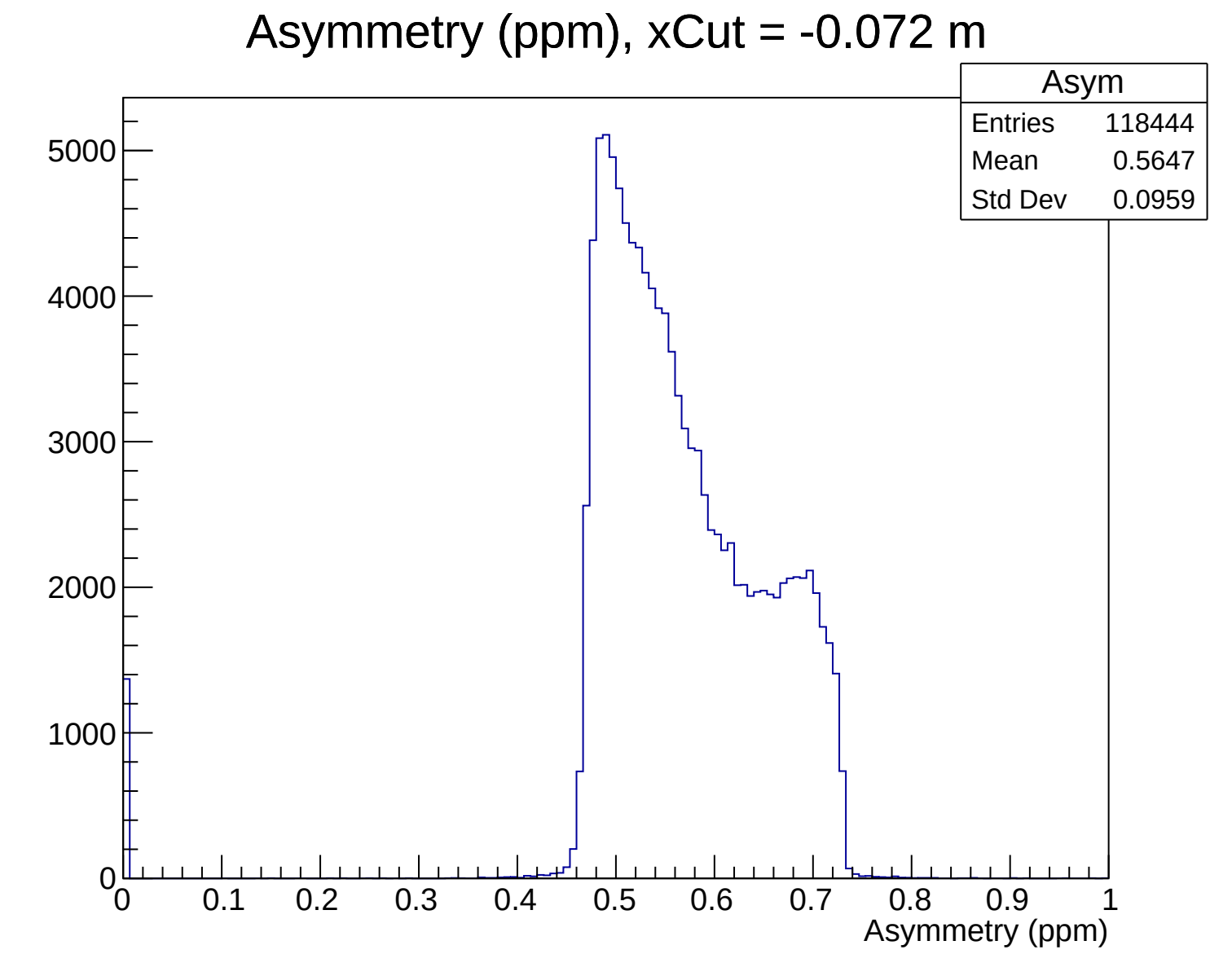

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

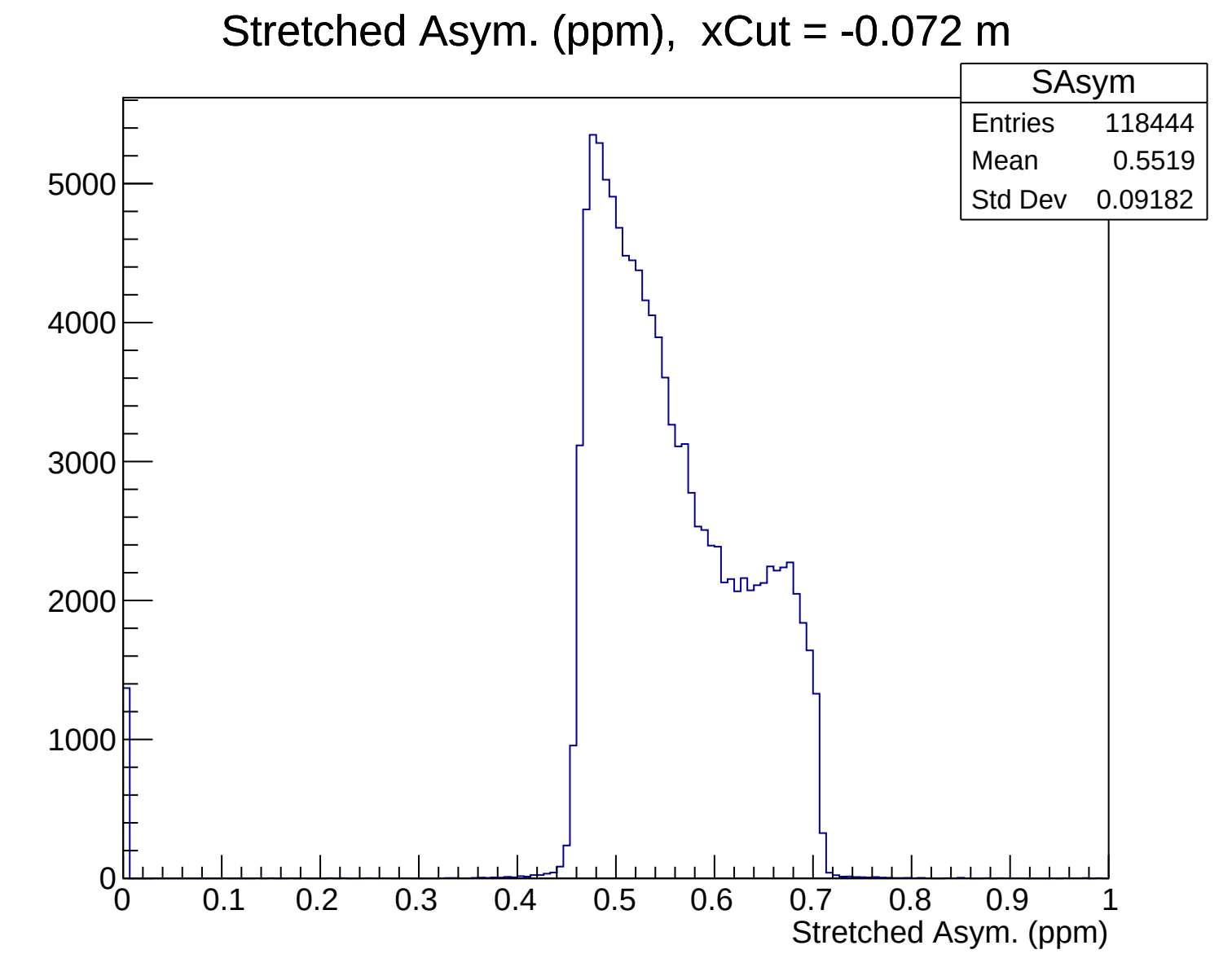

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

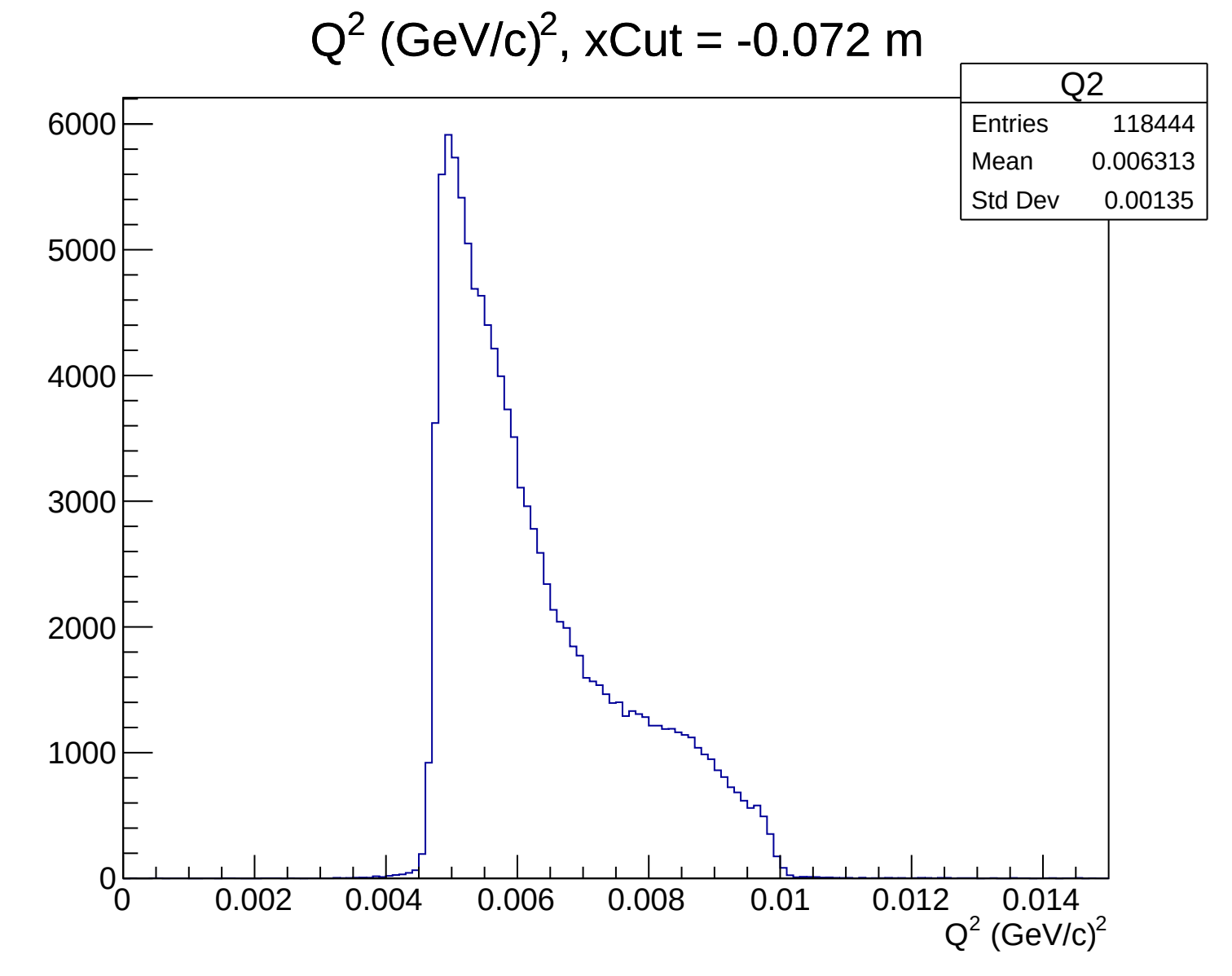

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.072
R.tr.x[0]+1.3*R.tr.th[0] (m)

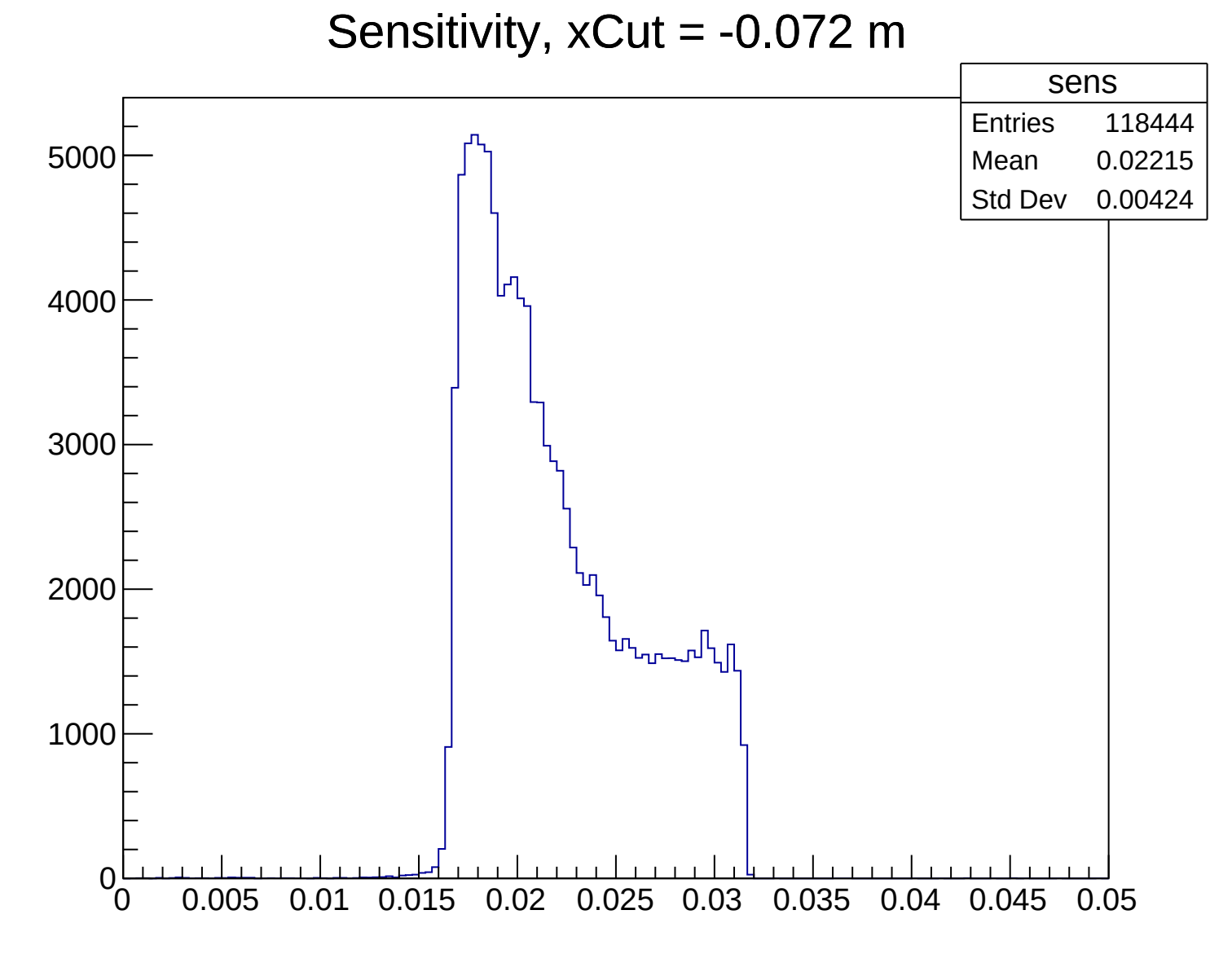

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

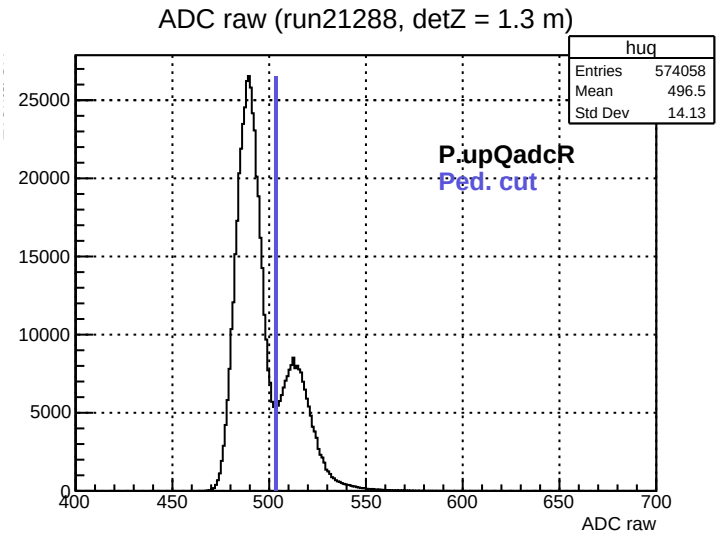

θlab (deg), xCut = -0.072 m
Theta
Entries 118444
Mean 4.776
Std Dev 0.4974
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

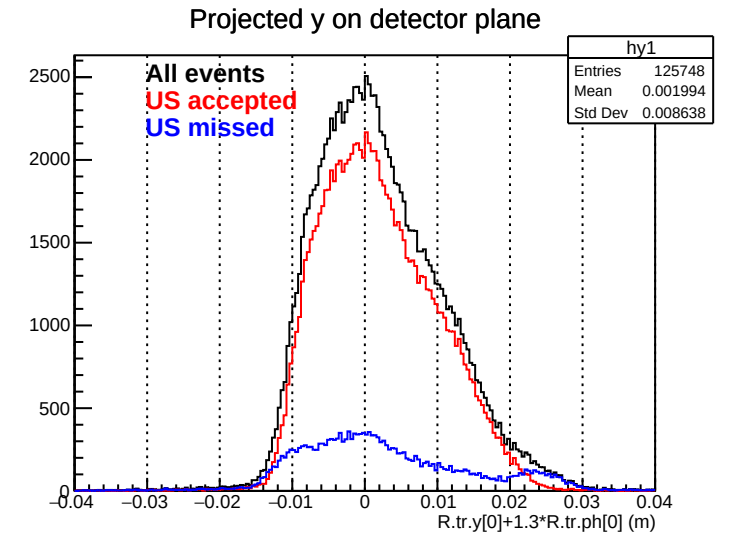

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 118444
Mean 0.5647
Std Dev 0.0959
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

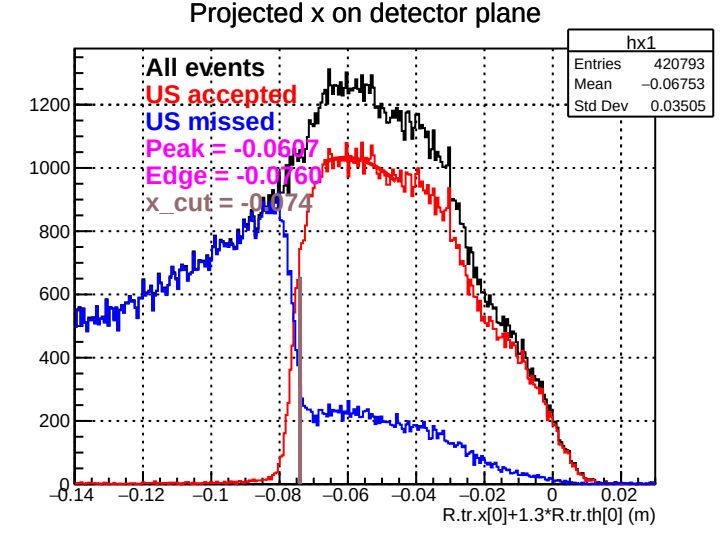

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 118444
Mean 0.5519
Std Dev 0.09182
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

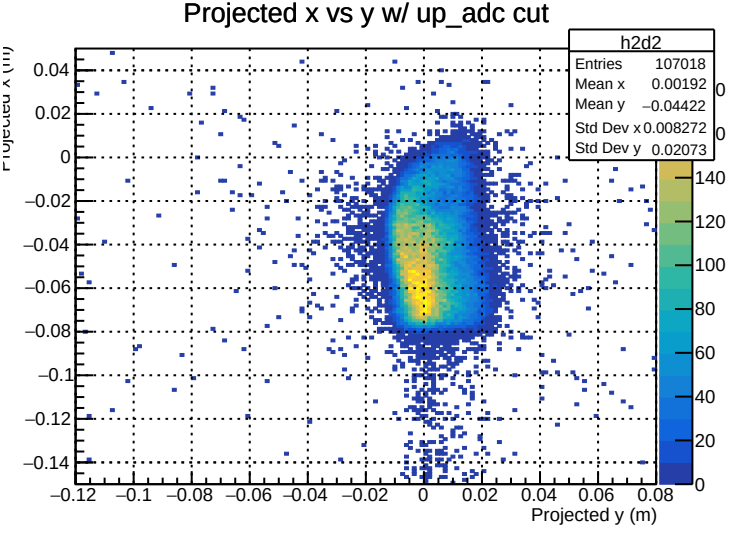

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 118444
Mean 0.006313
Std Dev 0.00135
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

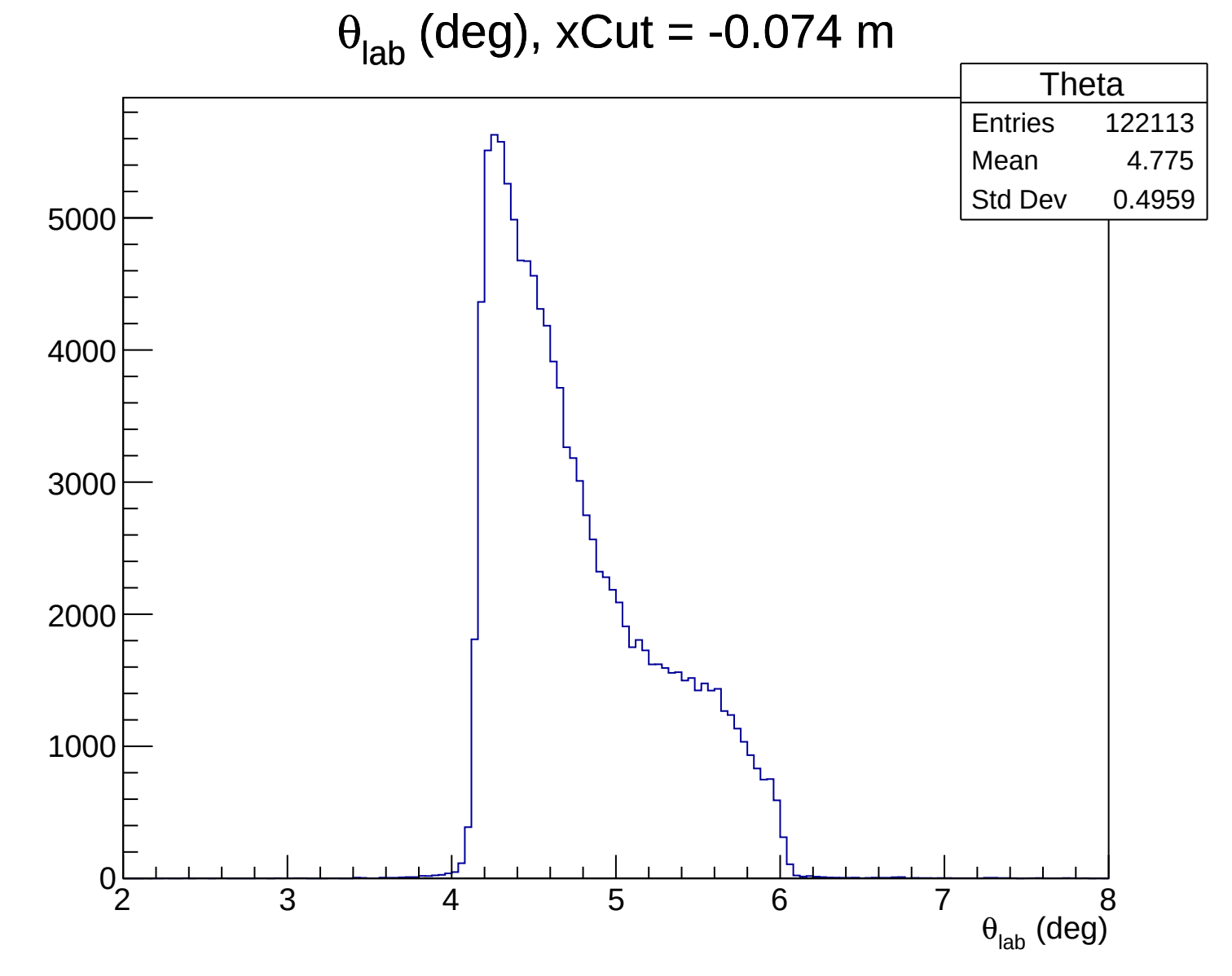

Sensitivity, xCut = -0.072 m
sens
Entries 118444
Mean 0.02215
Std Dev 0.00424
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

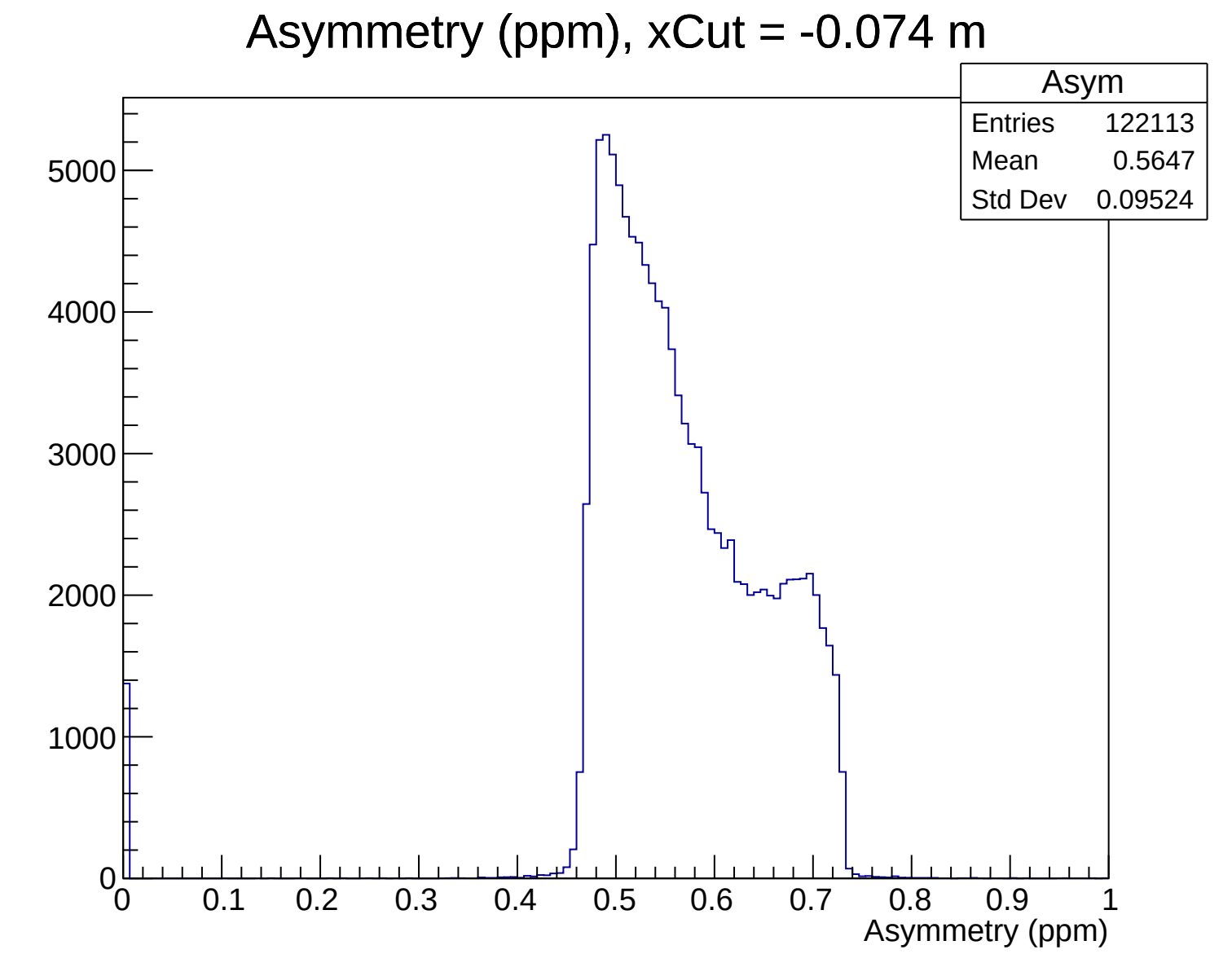

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

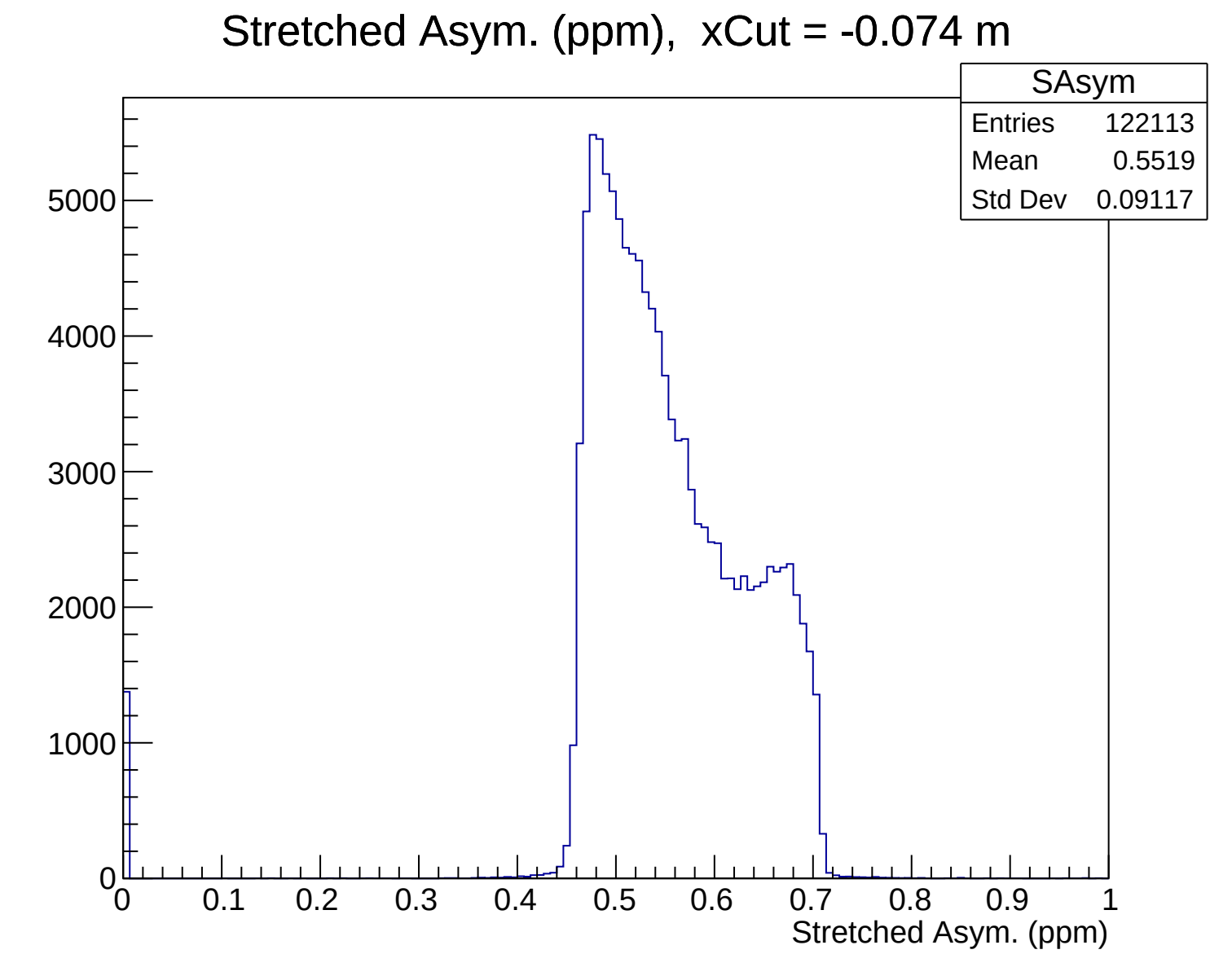

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

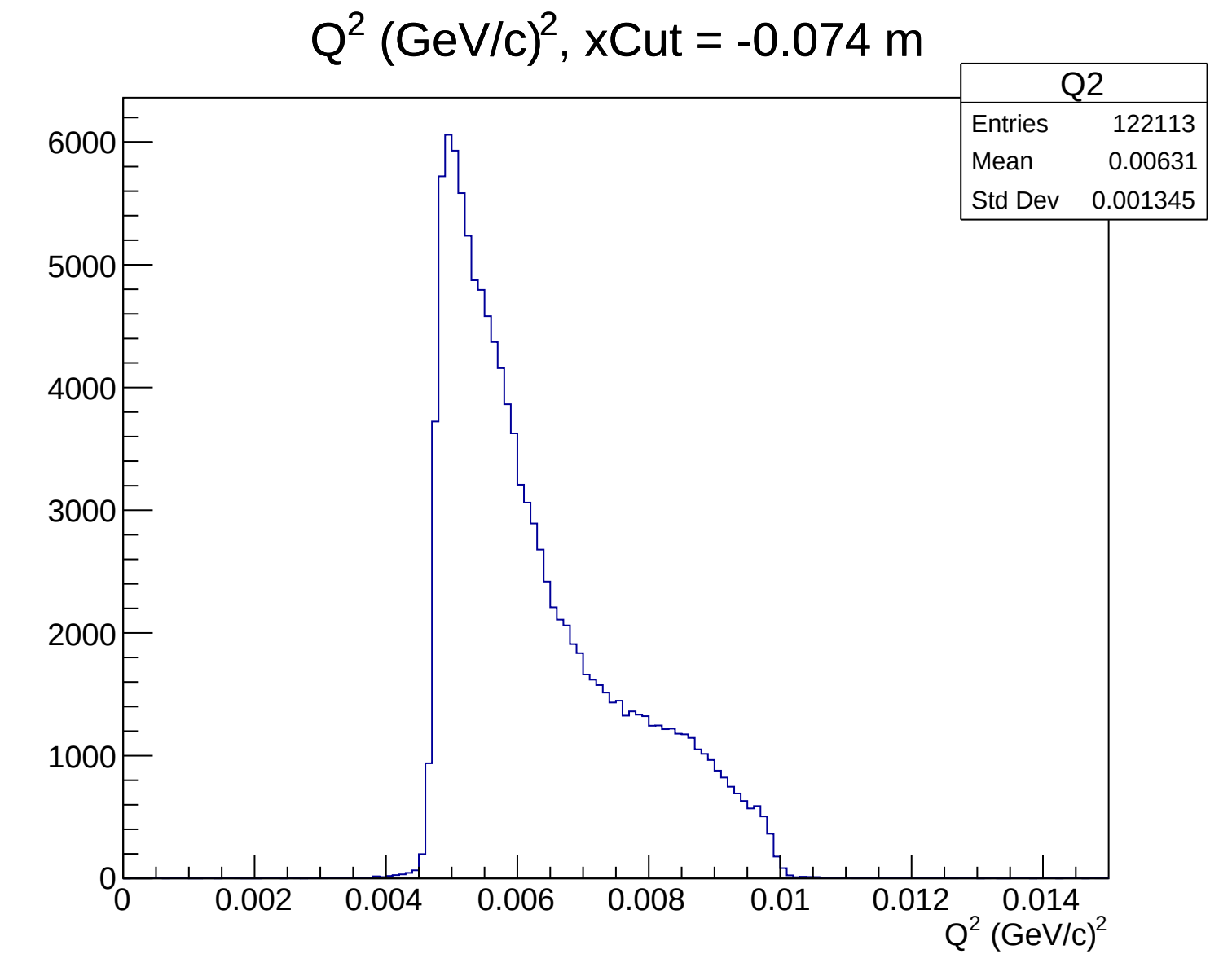

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.074
R.tr.x[0]+1.3*R.tr.th[0] (m)

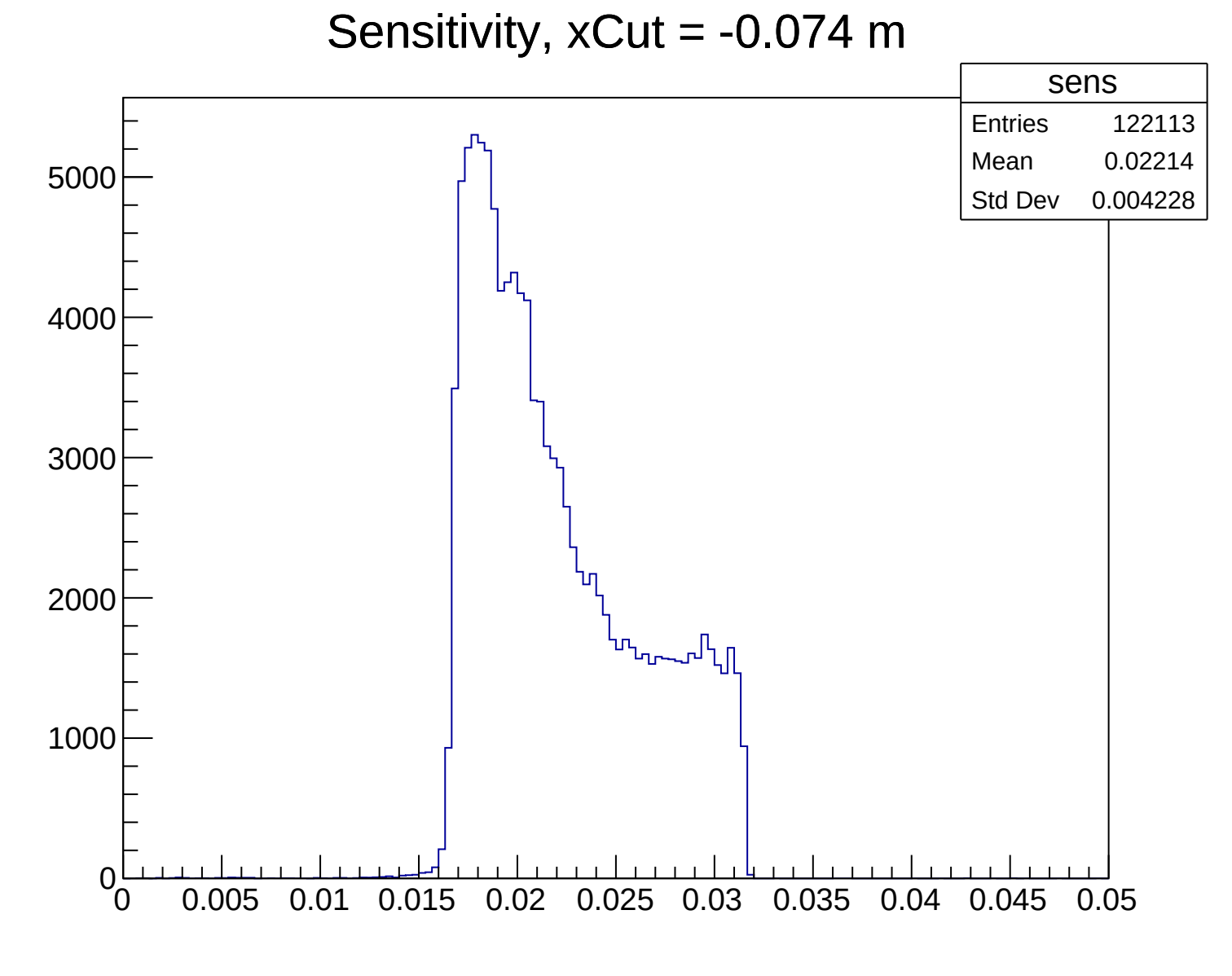

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

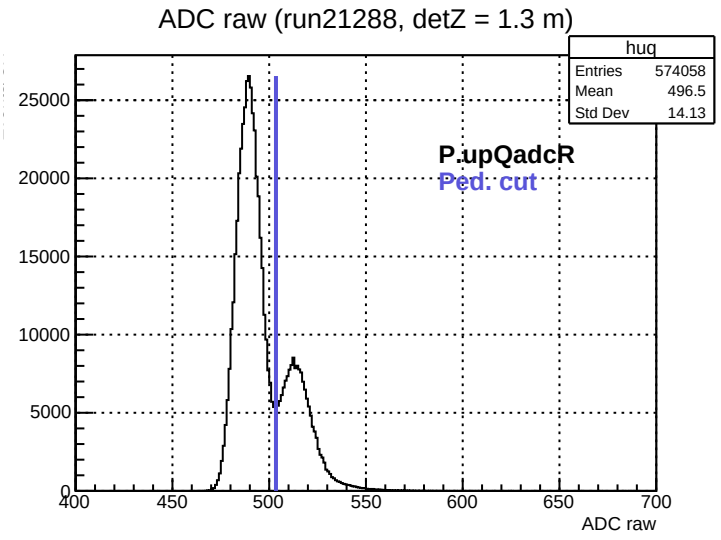

θlab (deg), xCut = -0.074 m
Theta
Entries 122113
Mean 4.775
Std Dev 0.4959
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

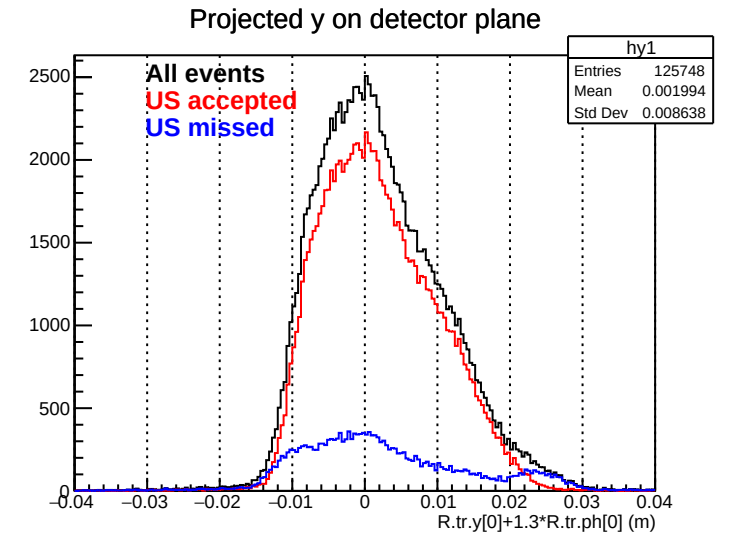

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 122113
Mean 0.5647
Std Dev 0.09524
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

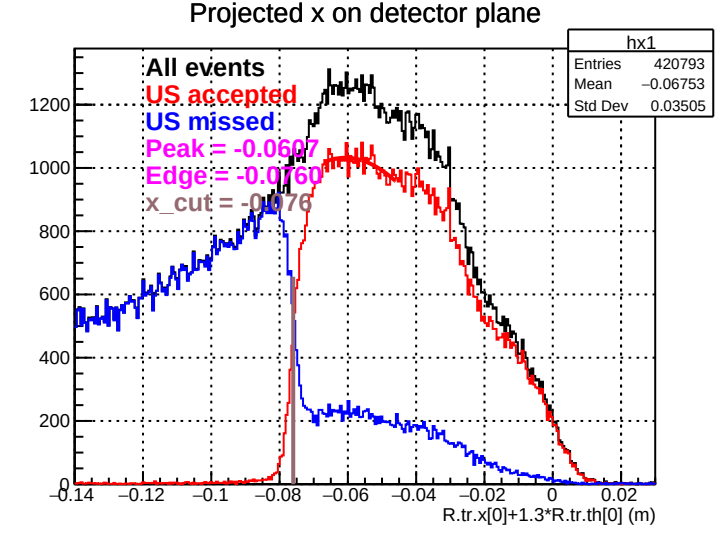

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 122113
Mean 0.5519
Std Dev 0.09117
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

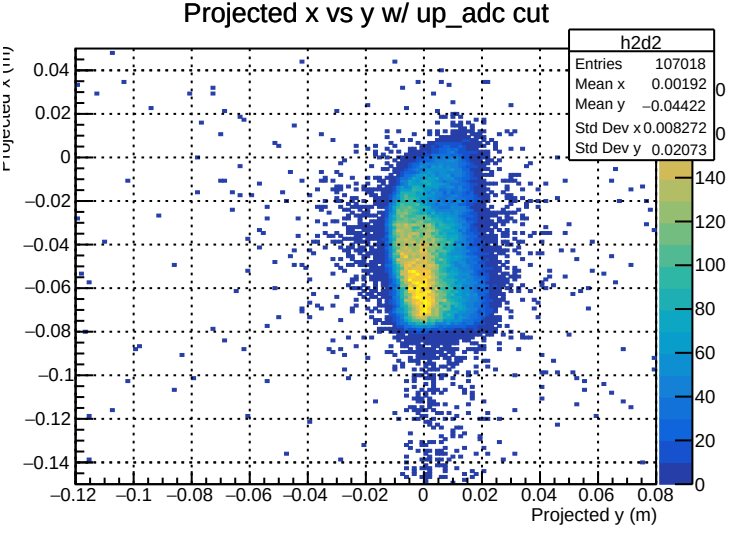

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 122113
Mean 0.00631
Std Dev 0.001345
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

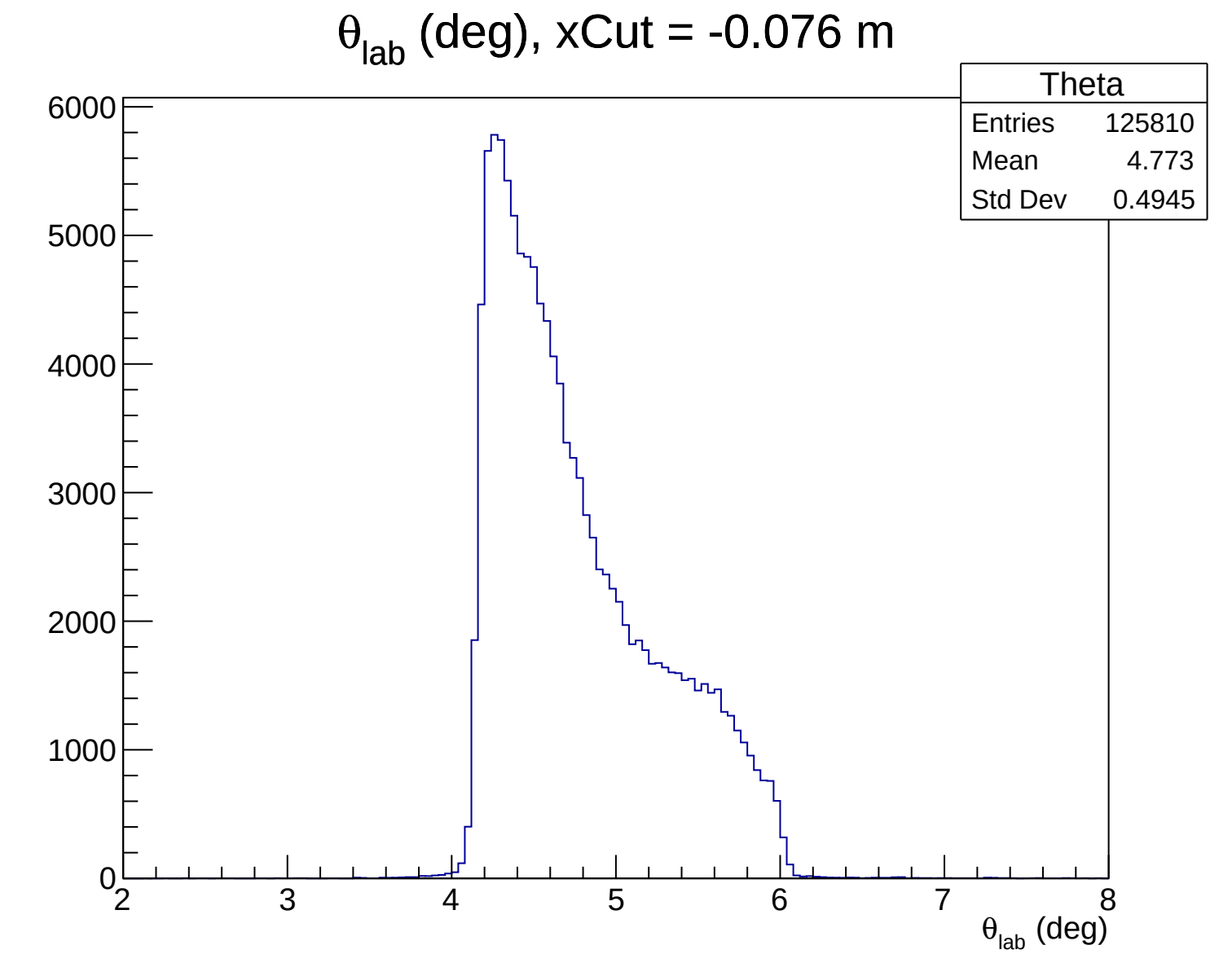

Sensitivity, xCut = -0.074 m
sens
Entries 122113
Mean 0.02214
Std Dev 0.004228
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

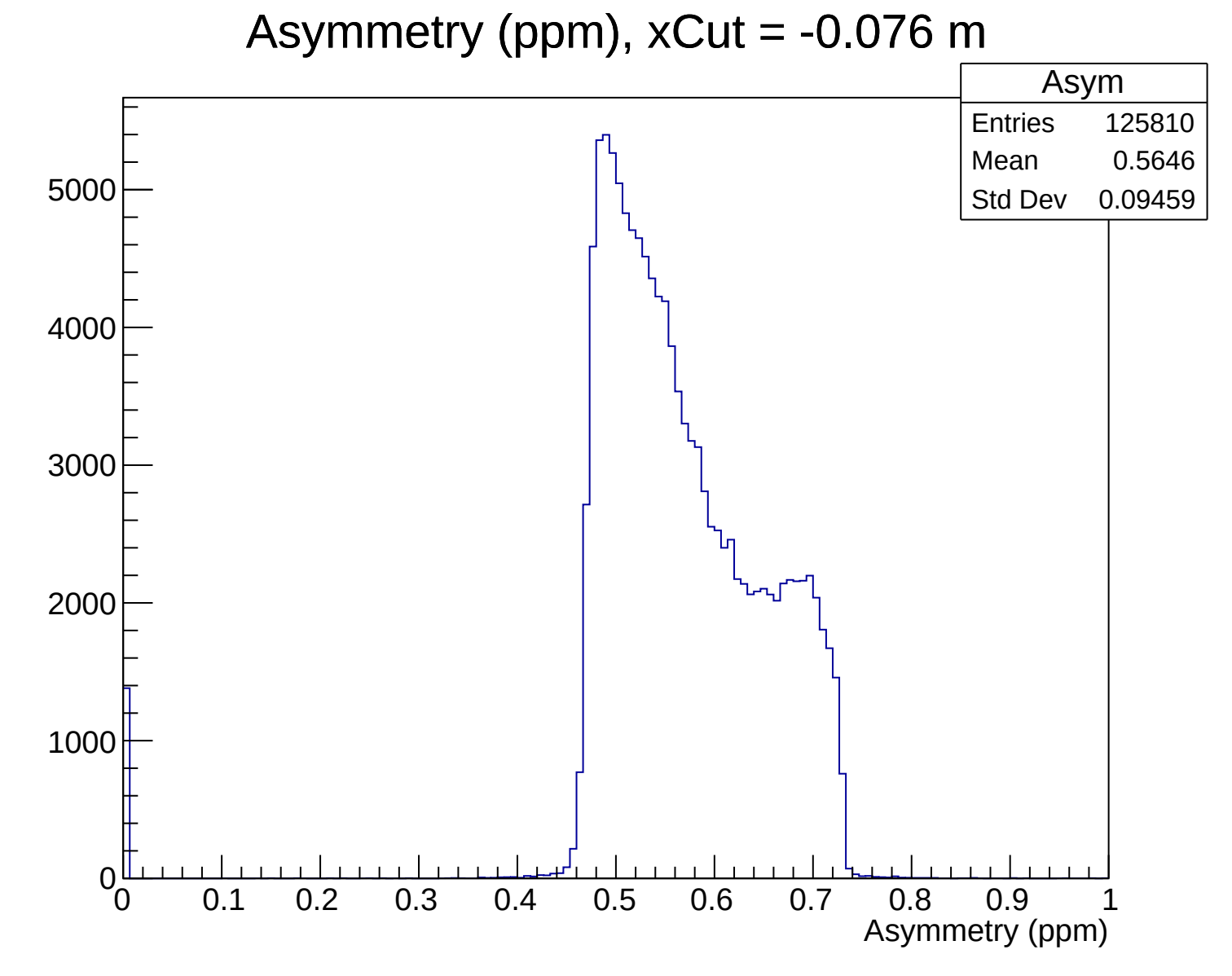

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

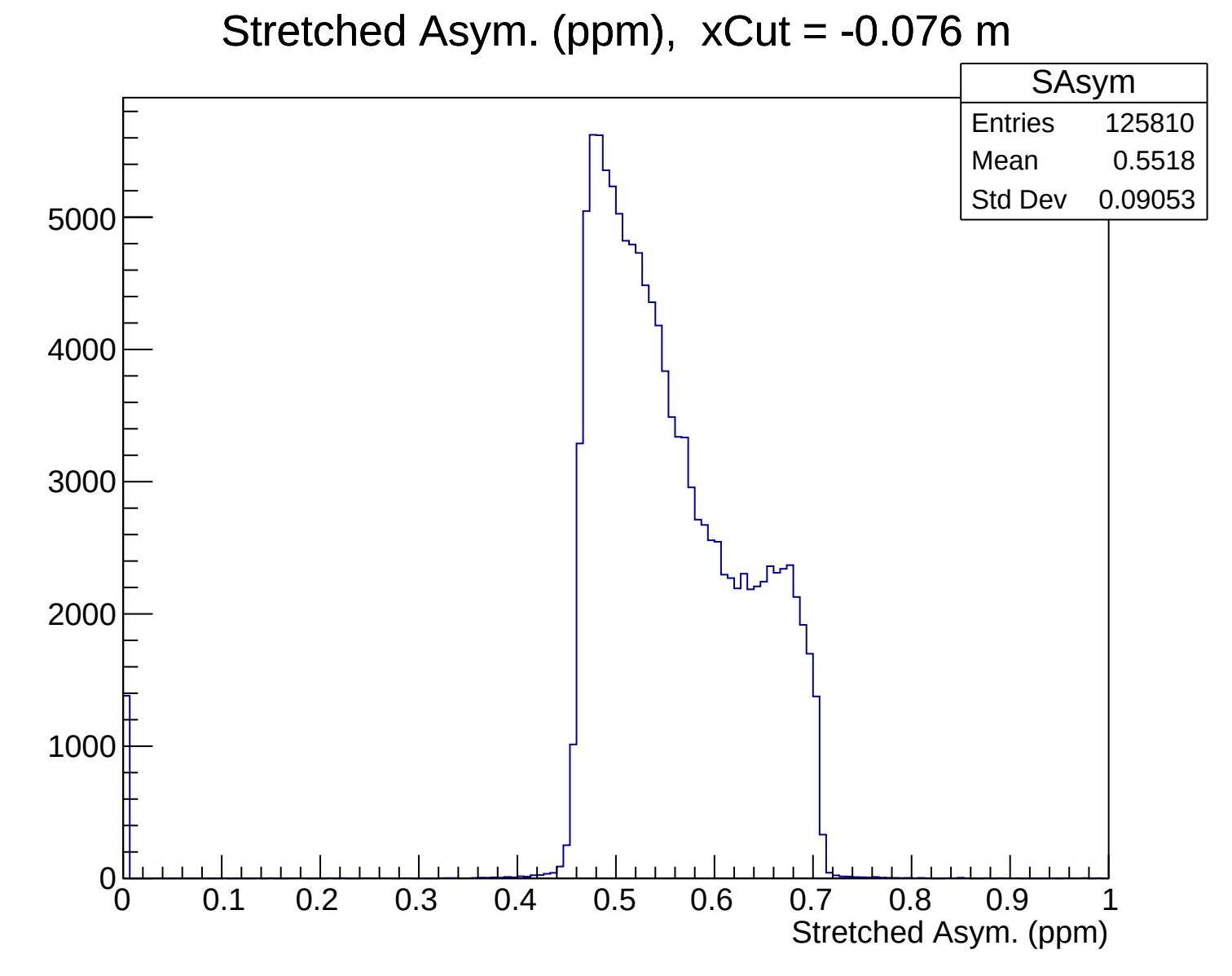

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

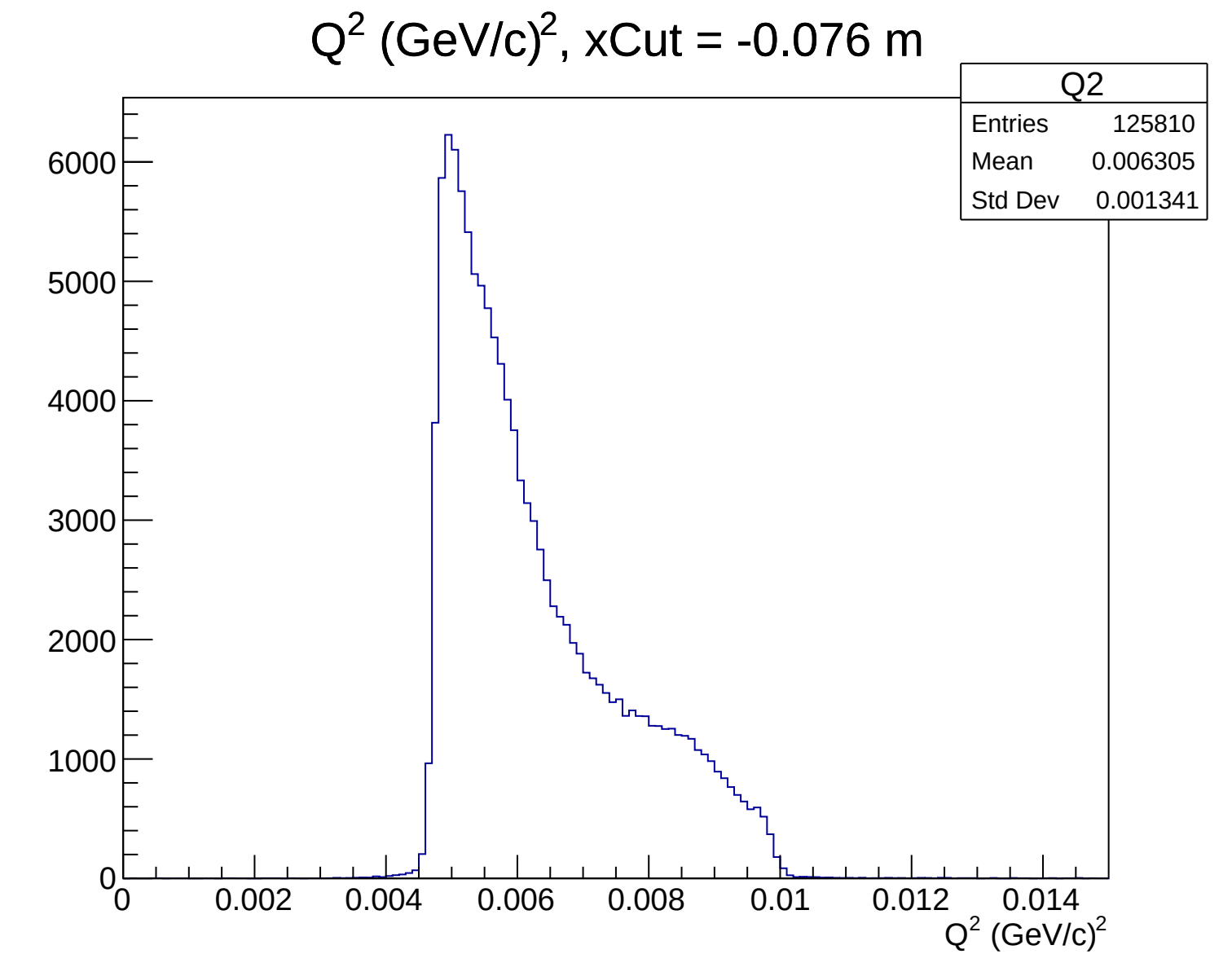

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.076
R.tr.x[0]+1.3*R.tr.th[0] (m)

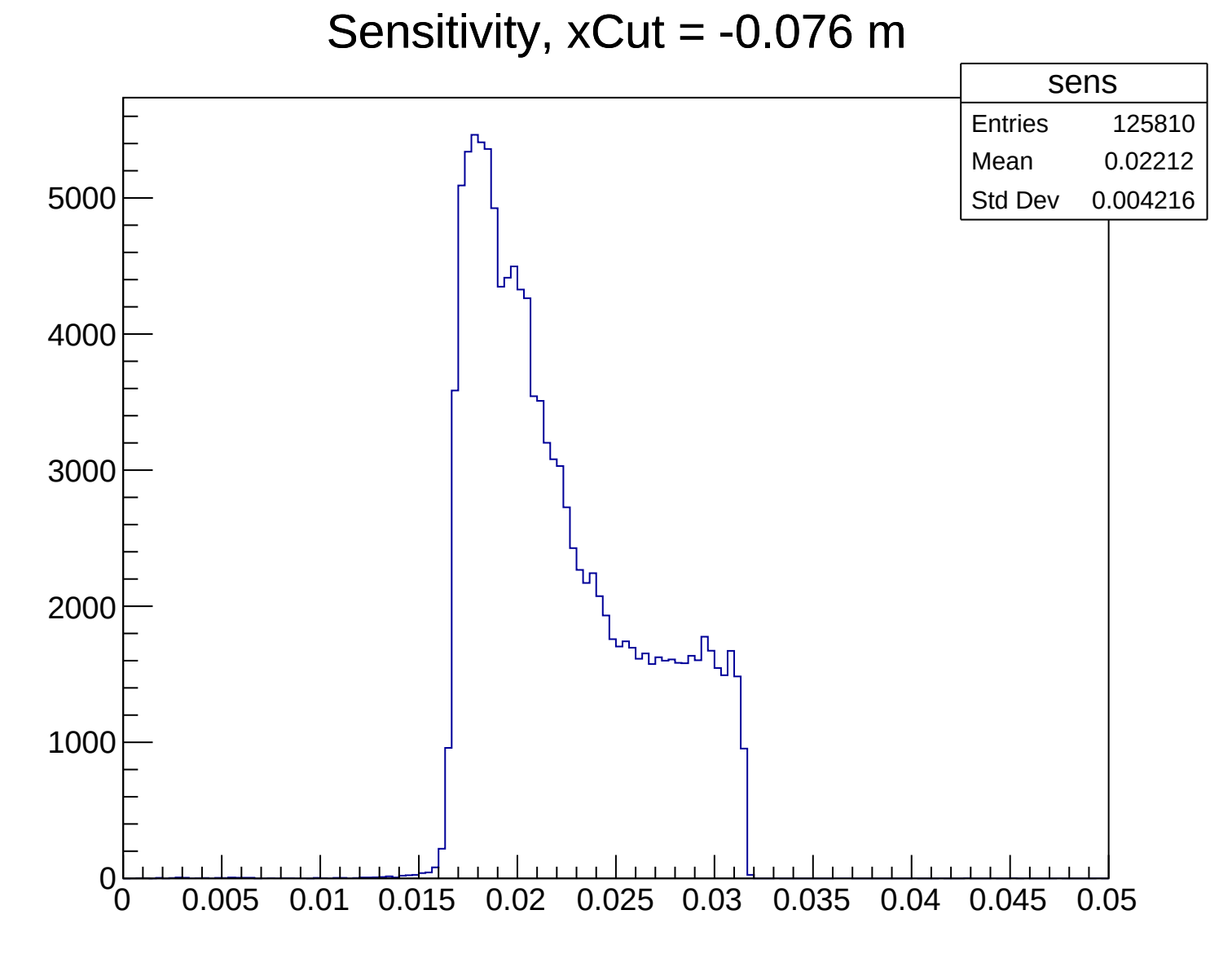

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

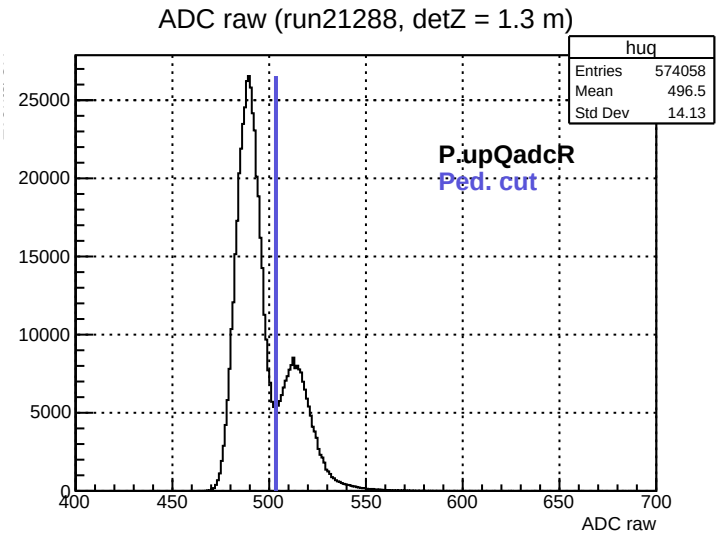

θlab (deg), xCut = -0.076 m
Theta
Entries 125810
Mean 4.773
Std Dev 0.4945
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

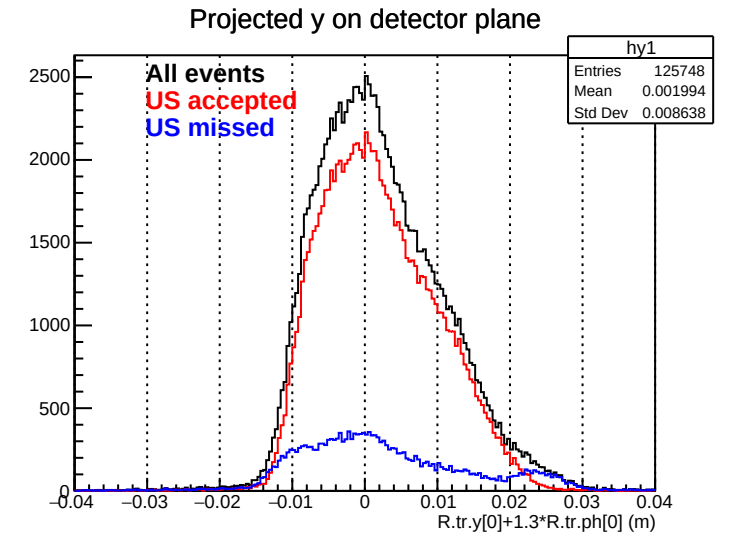

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 125810
Mean 0.5646
Std Dev 0.09459
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

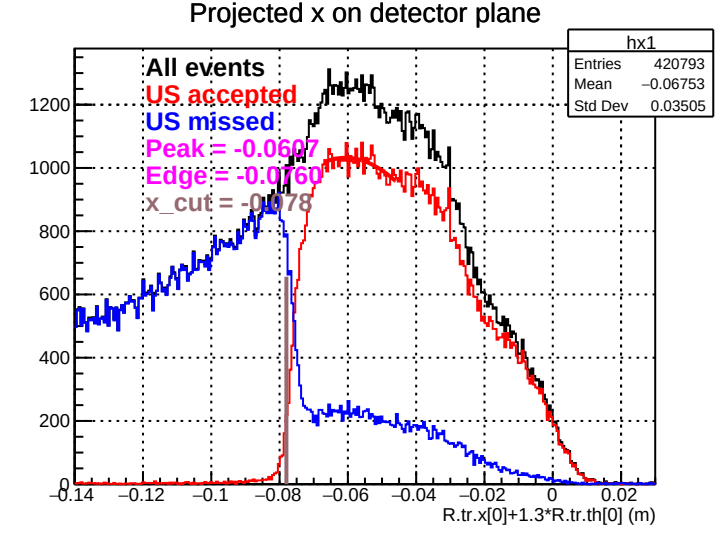

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 125810
Mean 0.5518
Std Dev 0.09053
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

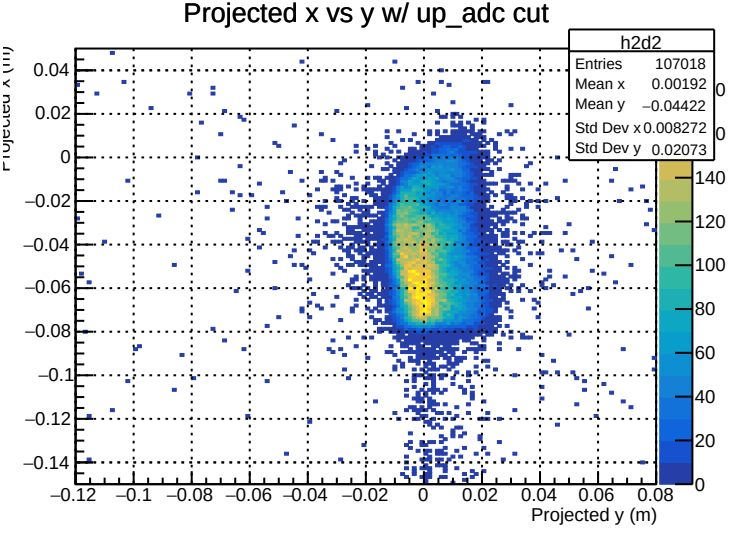

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 125810
Mean 0.006305
Std Dev 0.001341
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

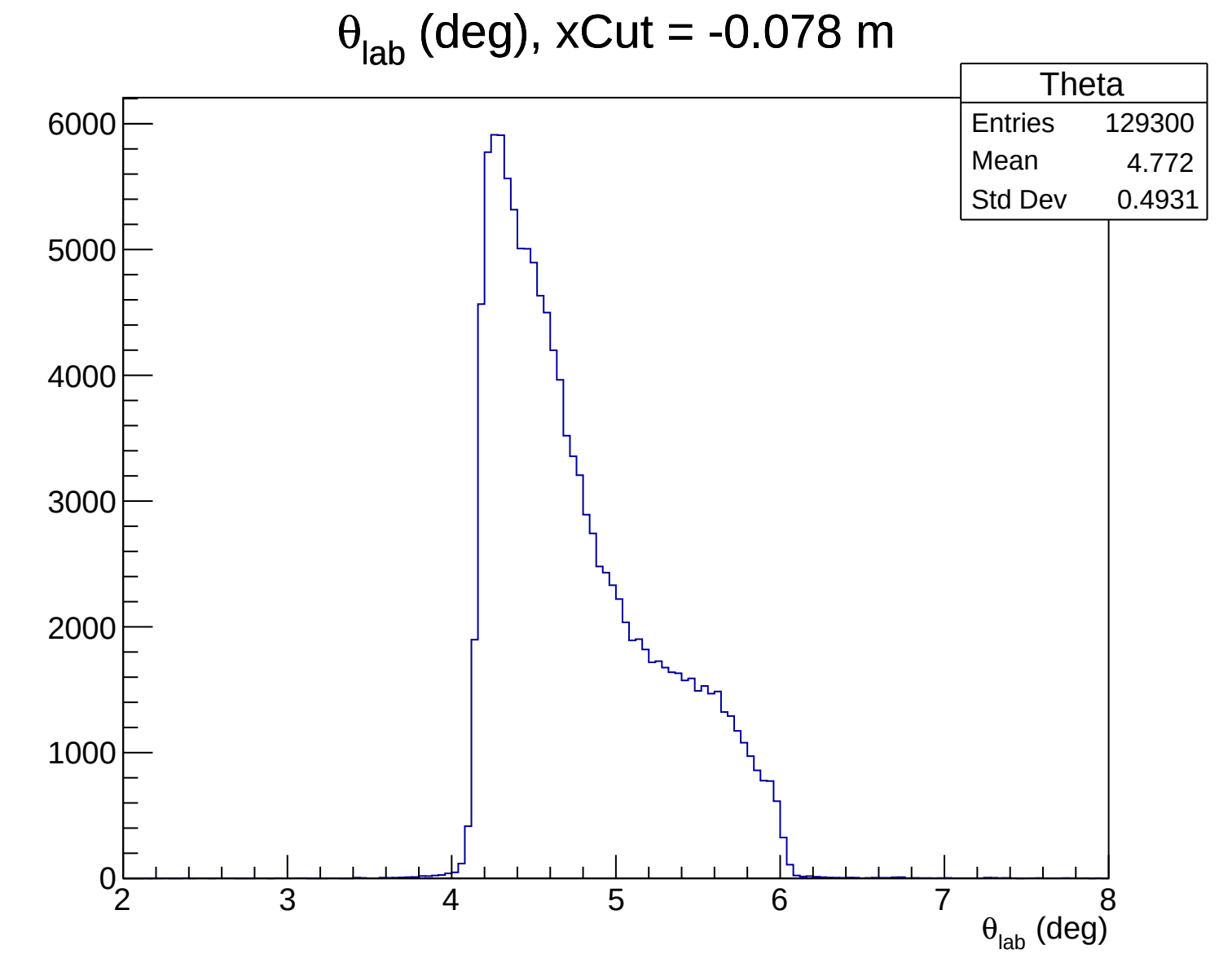

Sensitivity, xCut = -0.076 m
sens
Entries 125810
Mean 0.02212
Std Dev 0.004216
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

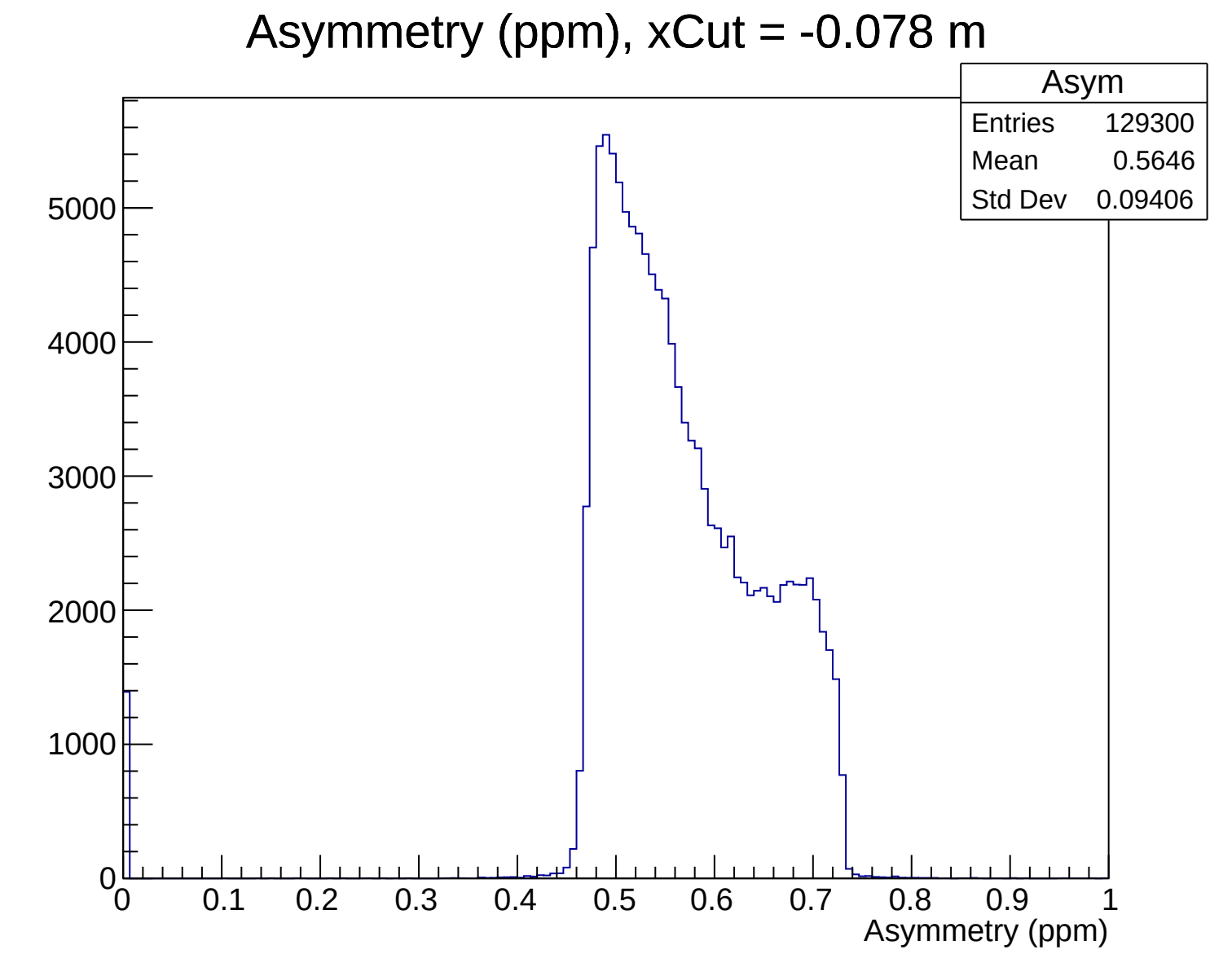

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

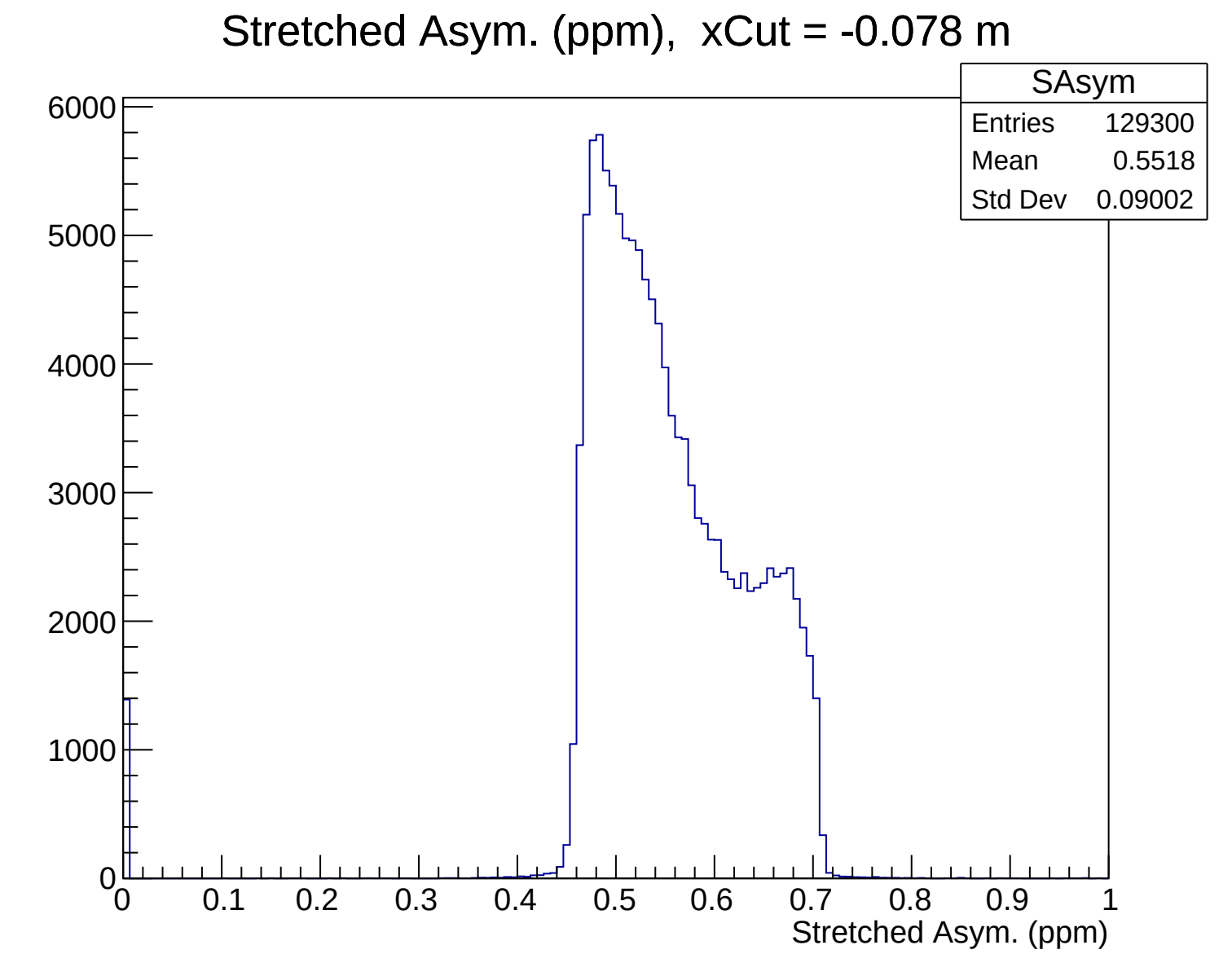

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

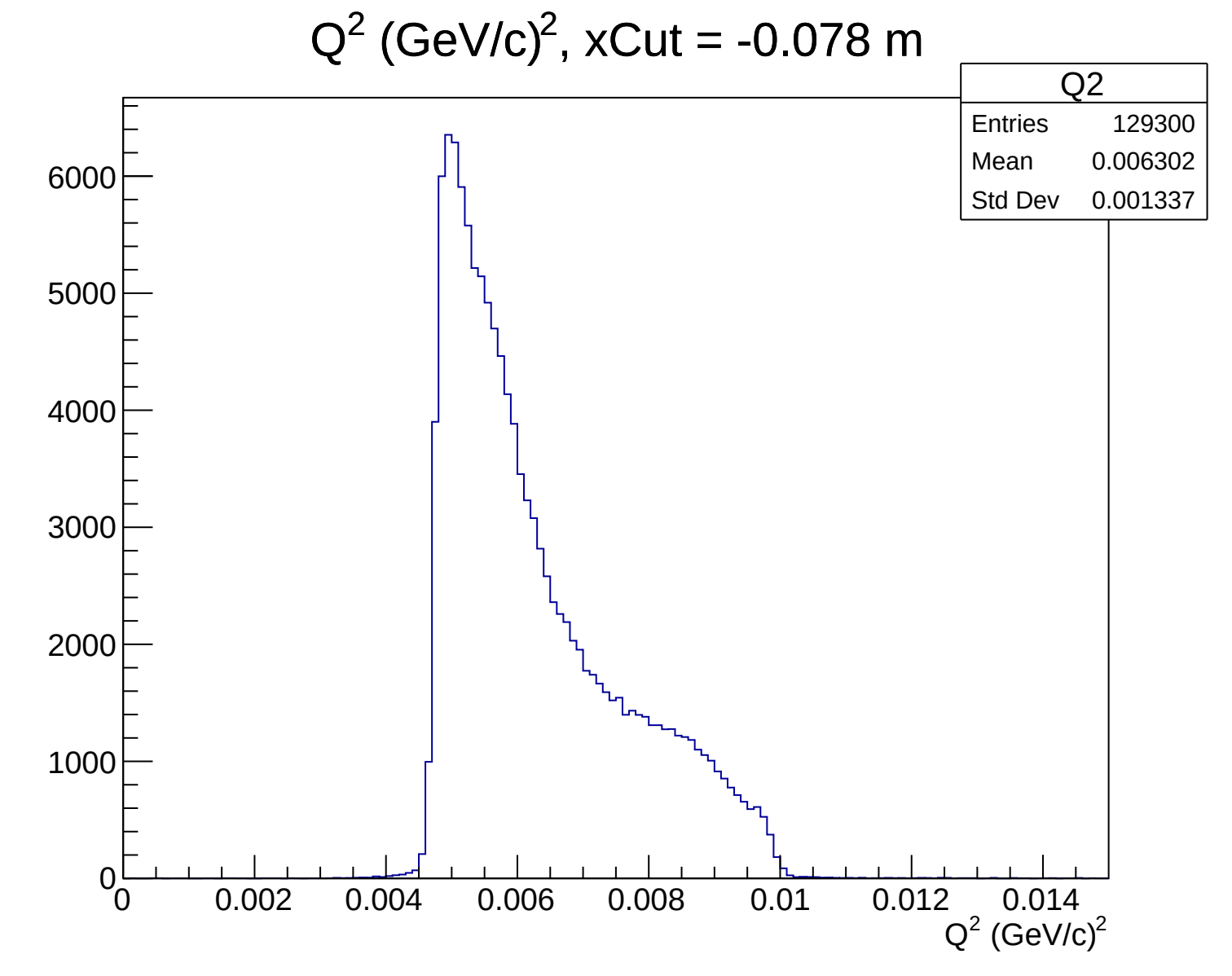

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.078
R.tr.x[0]+1.3*R.tr.th[0] (m)

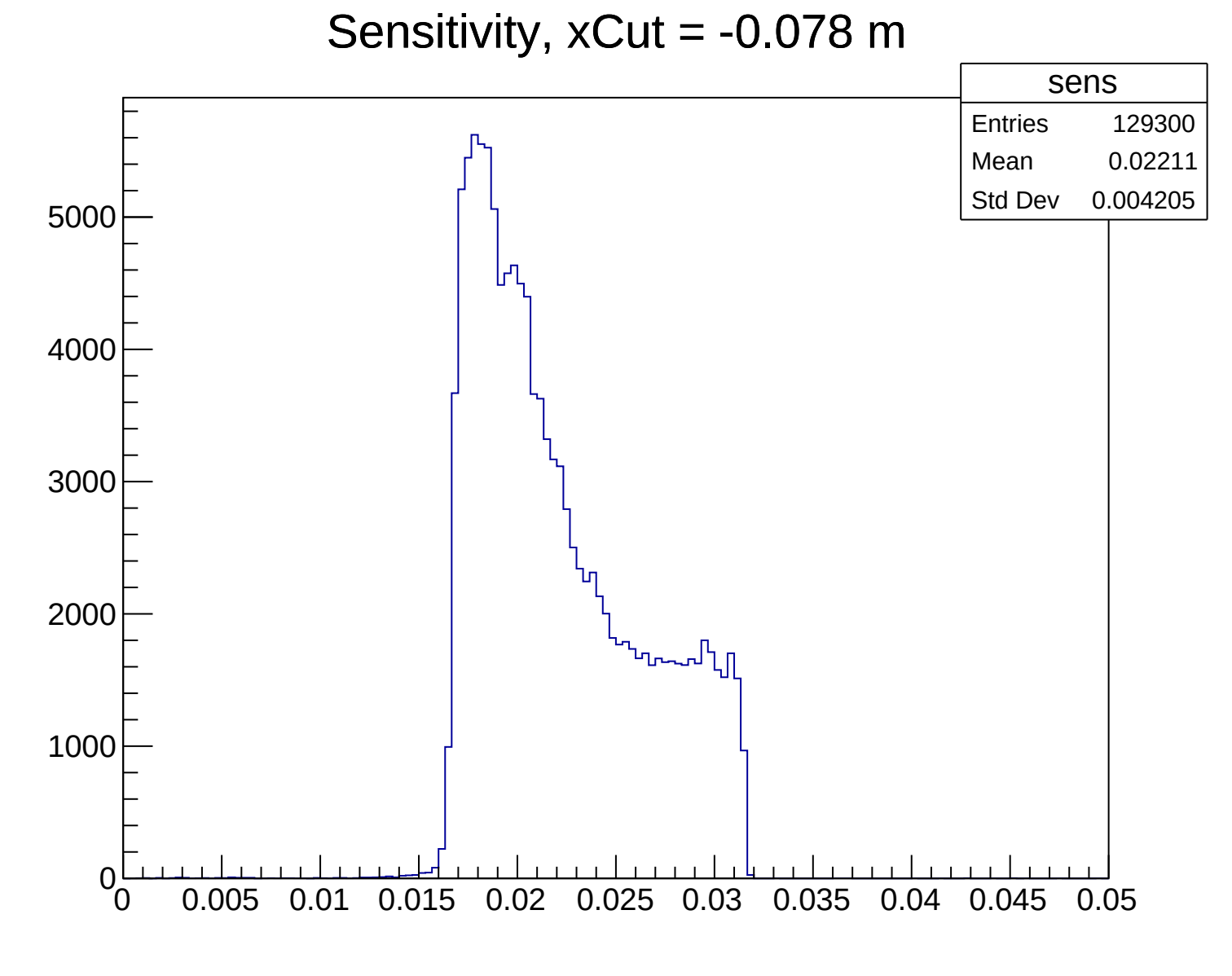

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

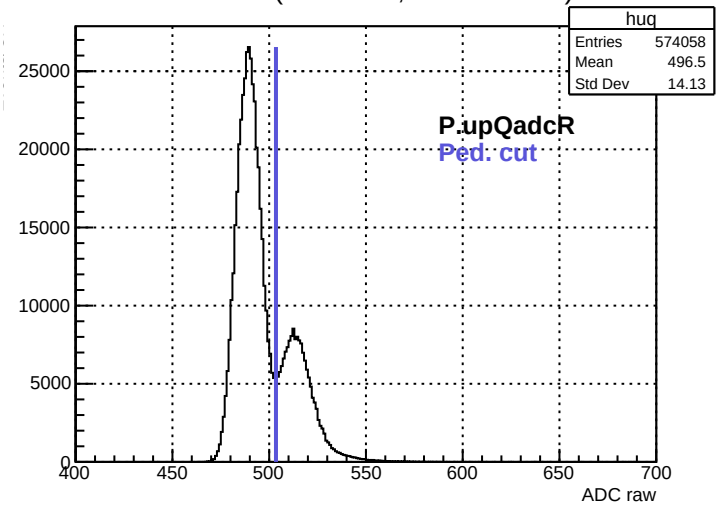

θlab (deg), xCut = -0.078 m
Theta
Entries 129300
Mean 4.772
Std Dev 0.4931
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

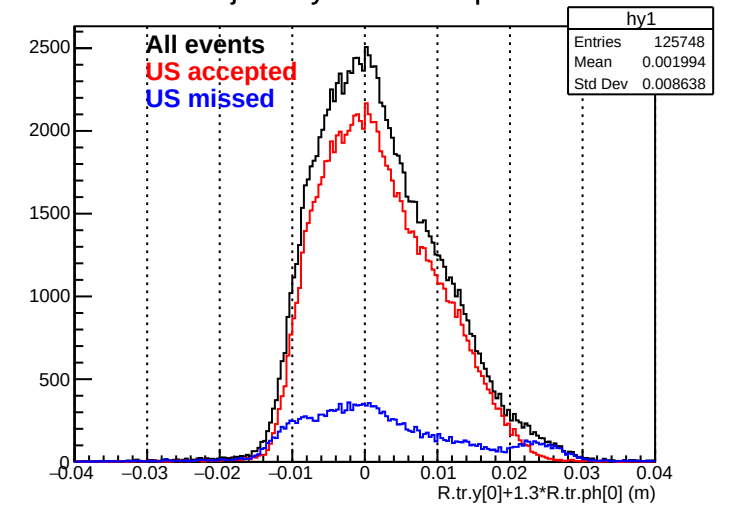

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 129300
Mean 0.5646
Std Dev 0.09406
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

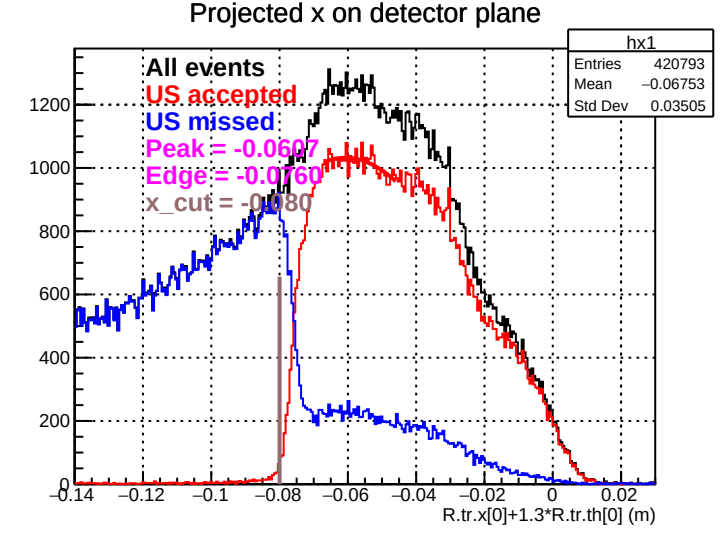

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 129300
Mean 0.5518
Std Dev 0.09002
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

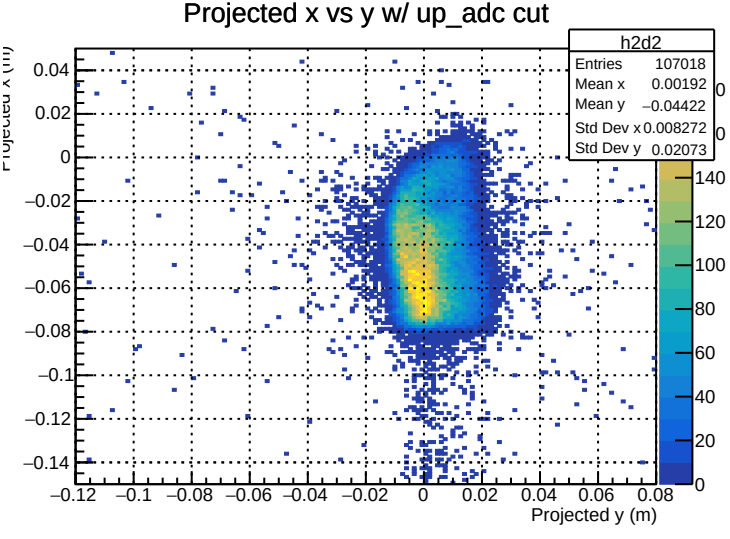

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 129300
Mean 0.006302
Std Dev 0.001337
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

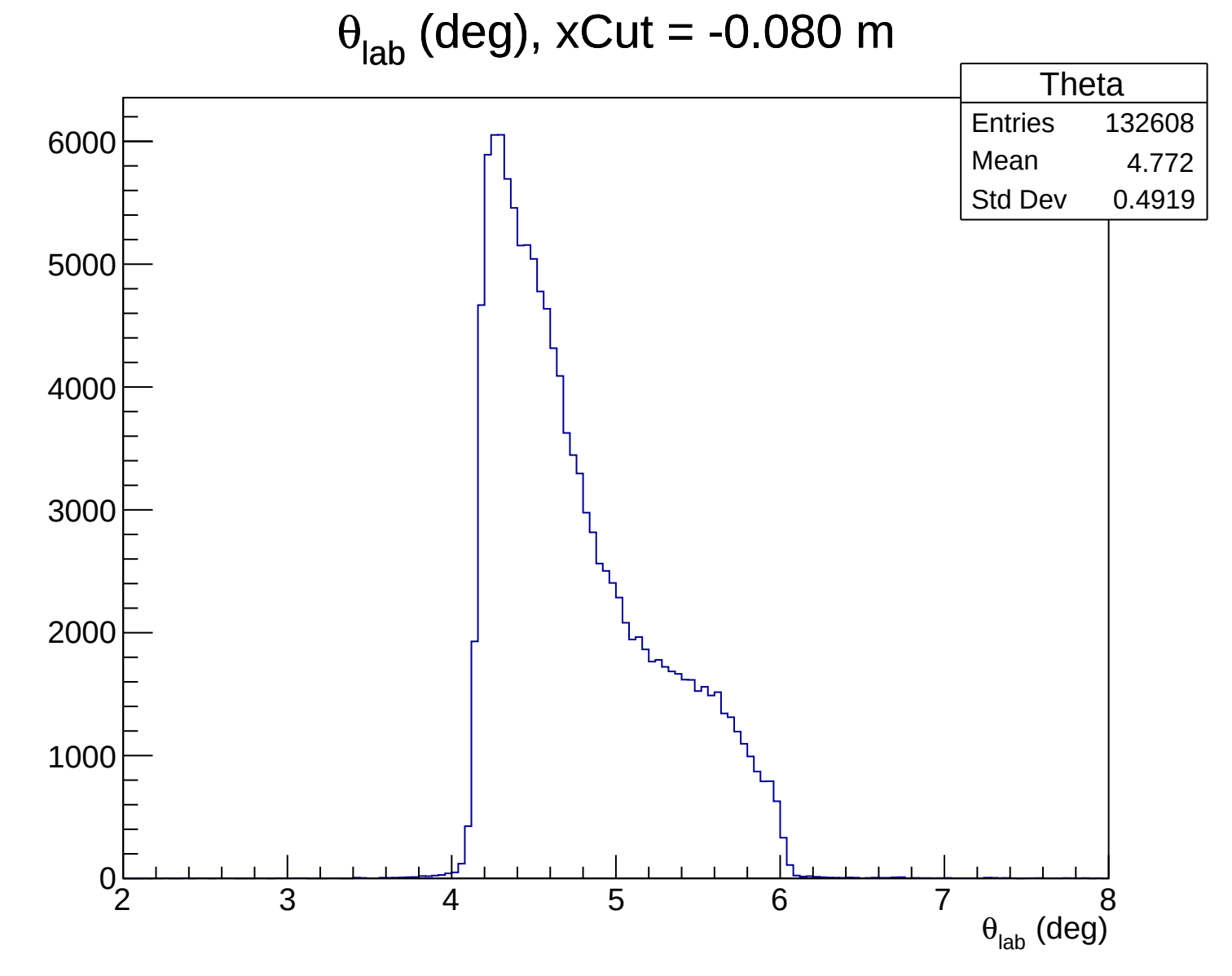

Sensitivity, xCut = -0.078 m
sens
Entries 129300
Mean 0.02211
Std Dev 0.004205
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

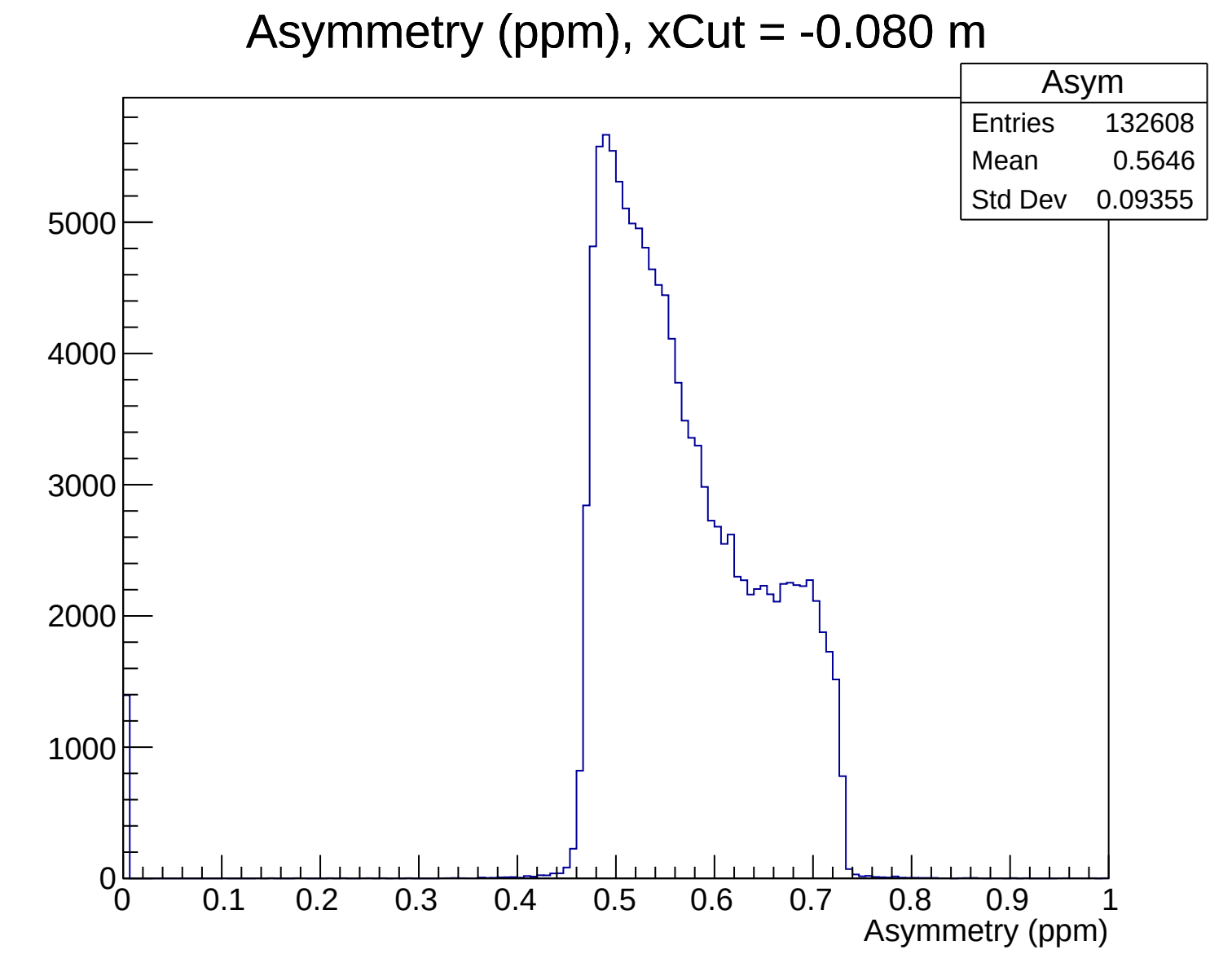

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

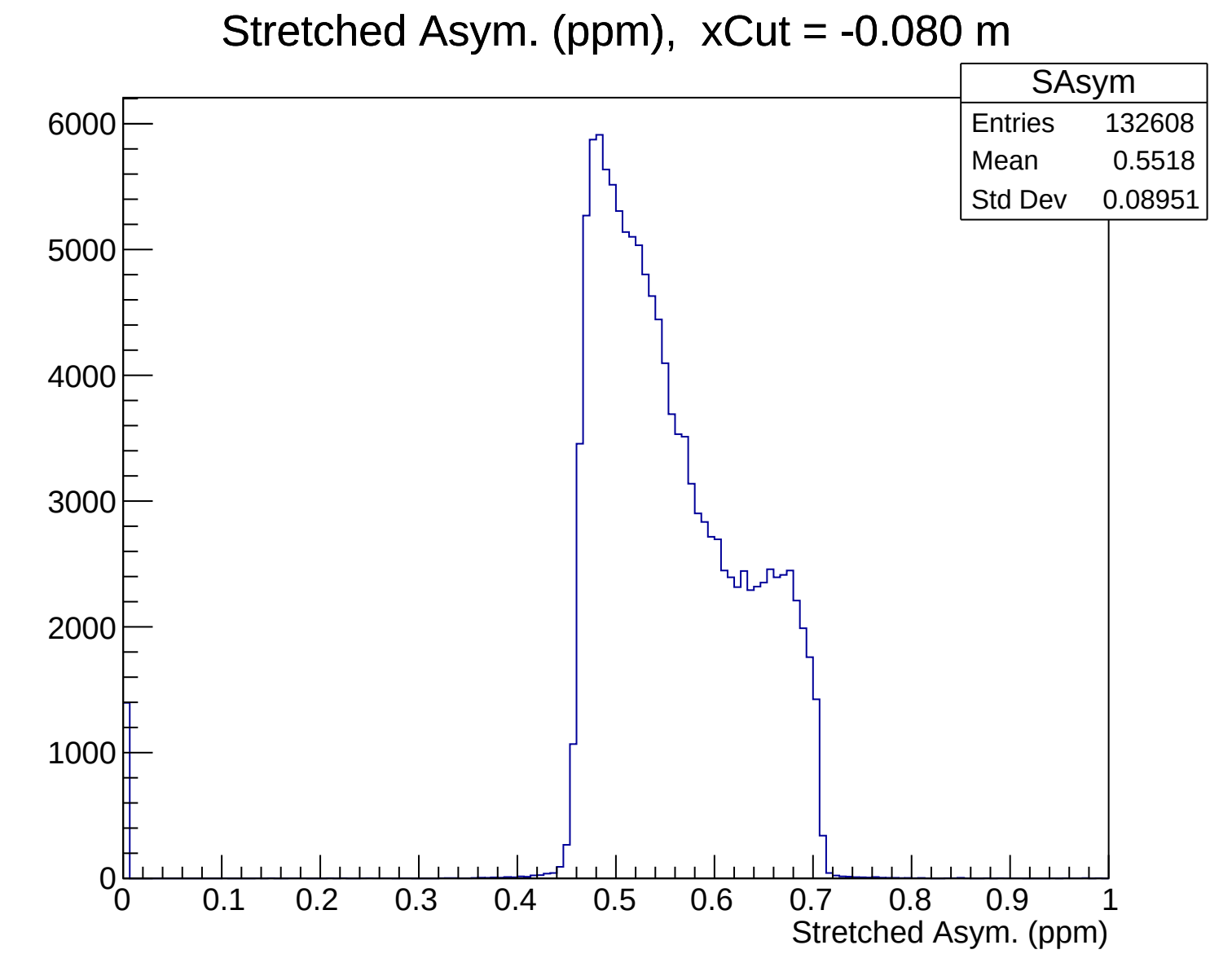

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

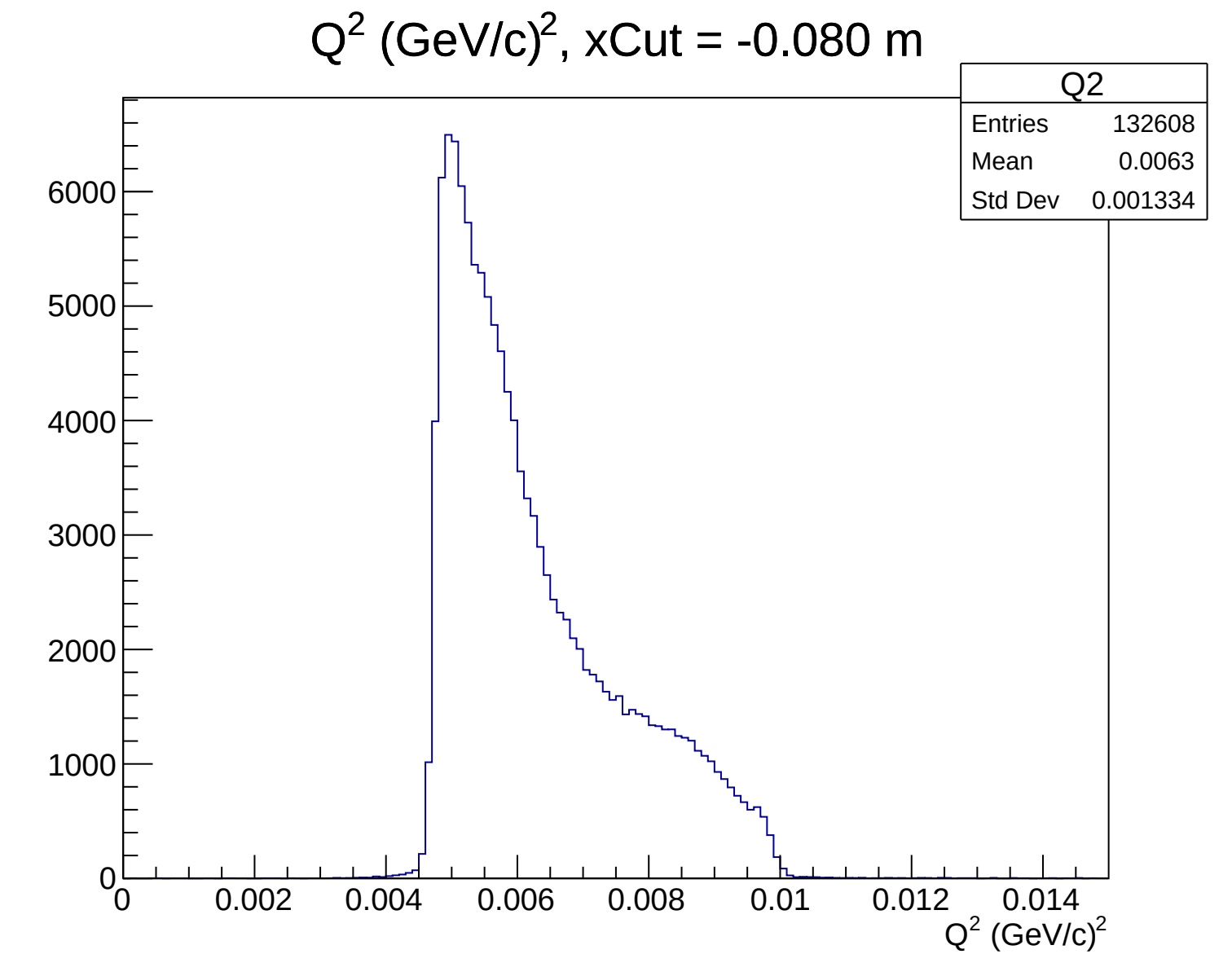

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.080
R.tr.x[0]+1.3*R.tr.th[0] (m)

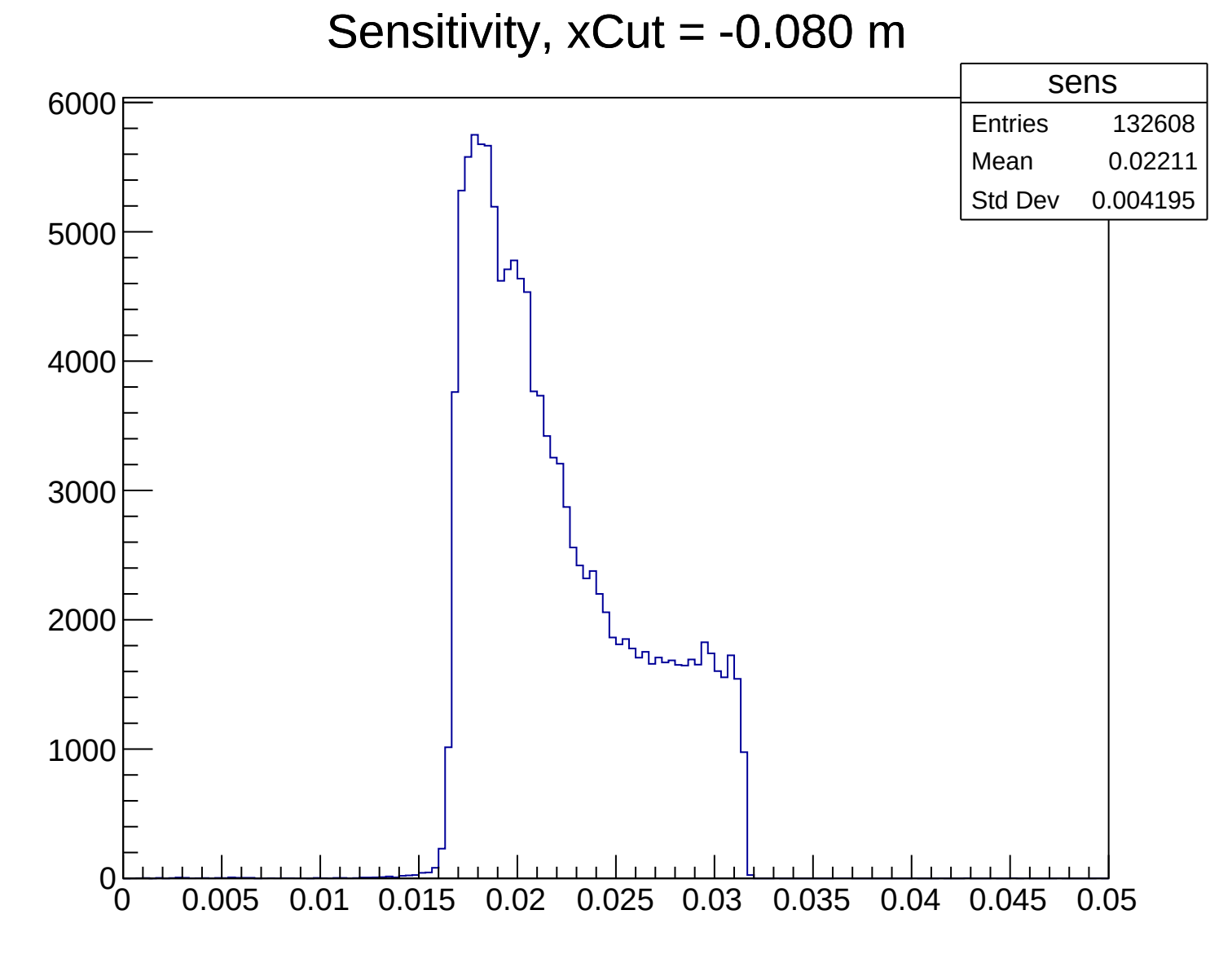

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

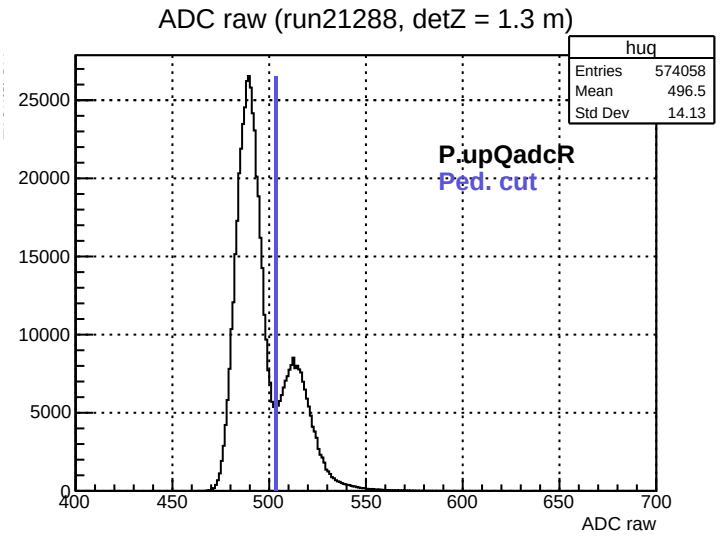

θlab (deg), xCut = -0.080 m
Theta
Entries 132608
Mean 4.772
Std Dev 0.4919
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

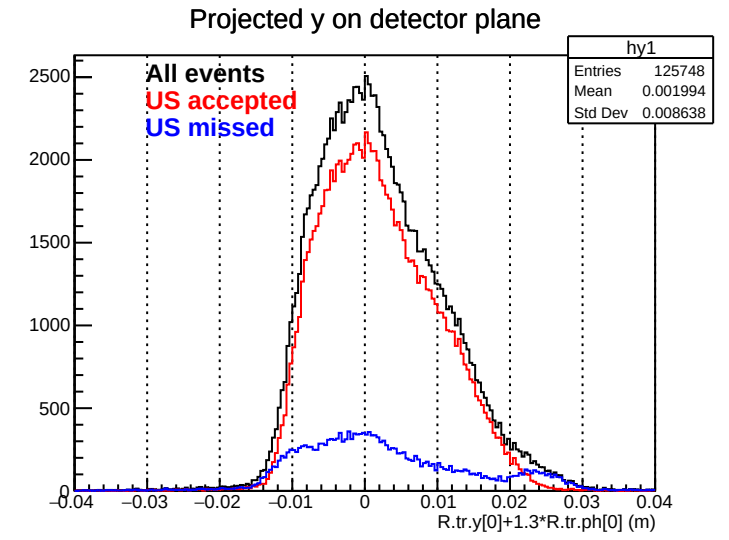

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 132608
Mean 0.5646
Std Dev 0.09355
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

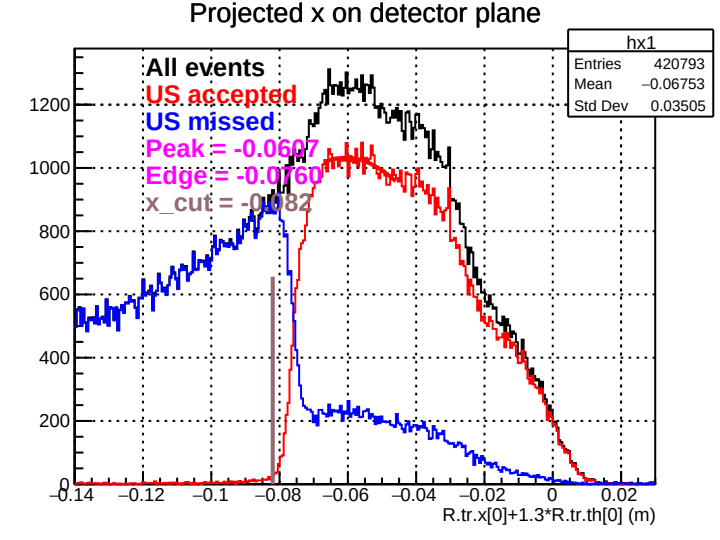

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 132608
Mean 0.5518
Std Dev 0.08951
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

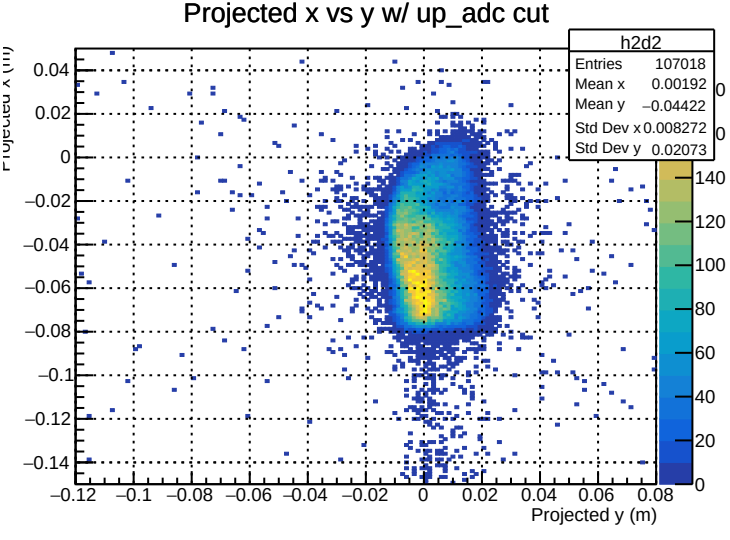

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 132608
Mean 0.0063
Std Dev 0.001334
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

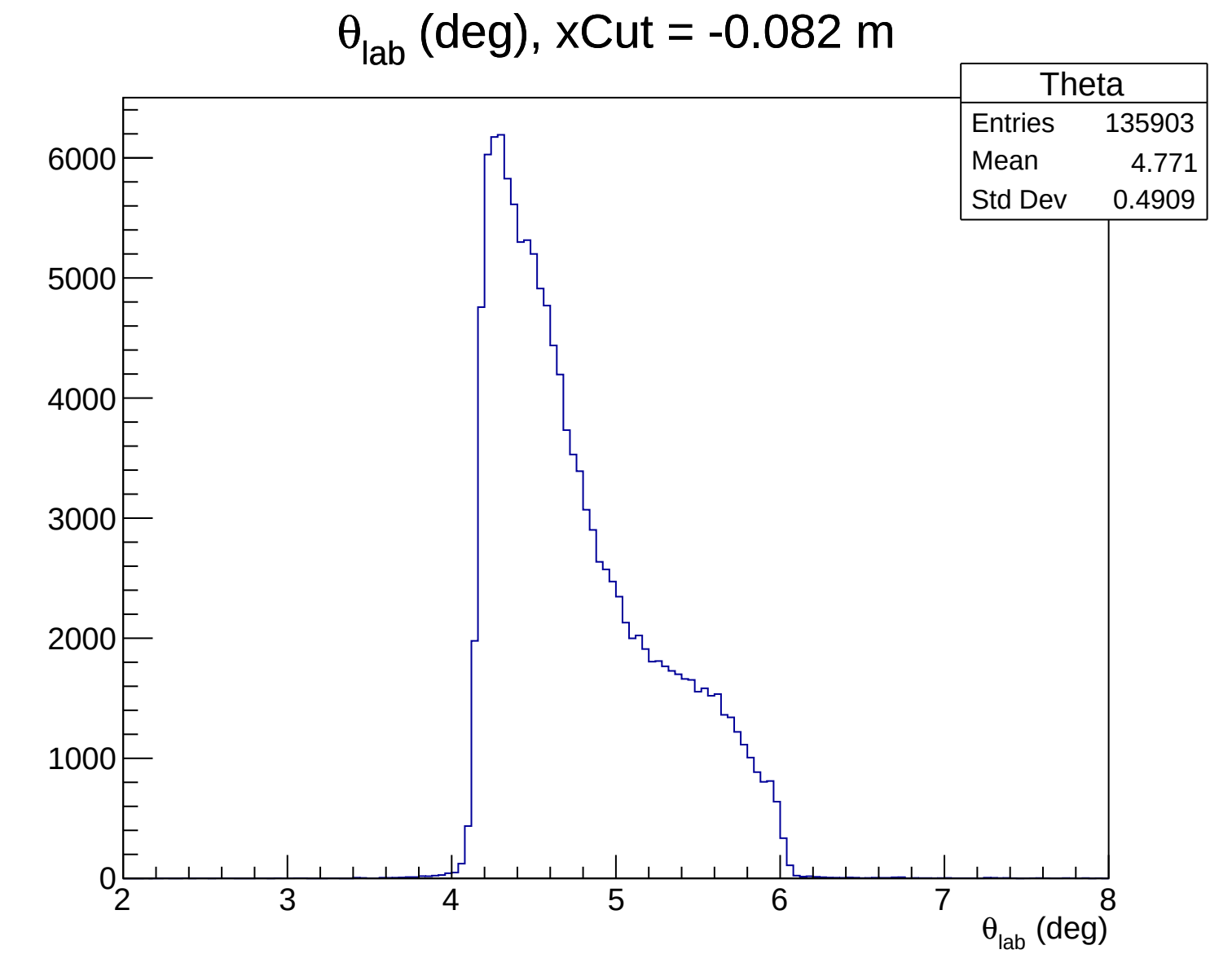

Sensitivity, xCut = -0.080 m
sens
Entries 132608
Mean 0.02211
Std Dev 0.004195
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

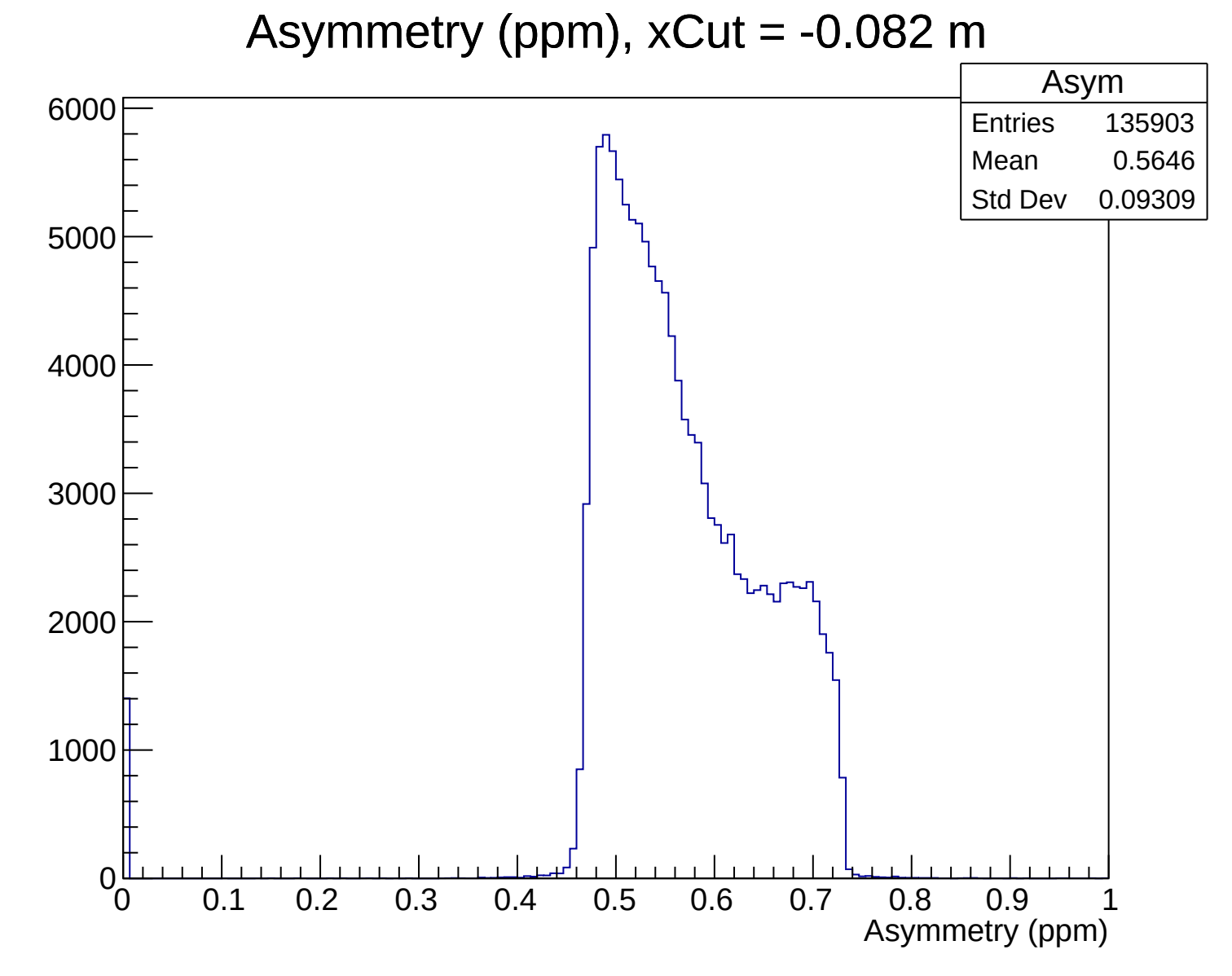

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

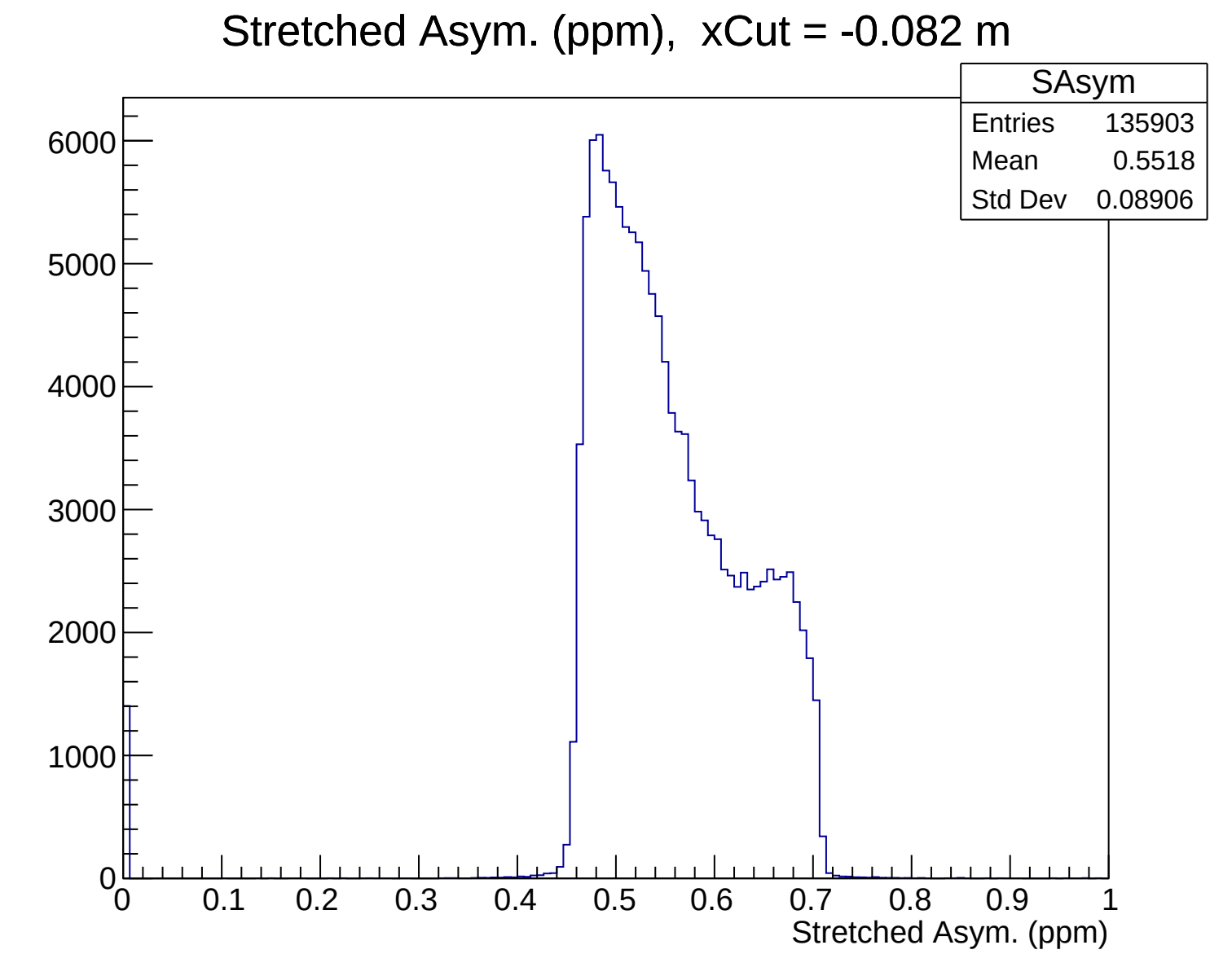

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

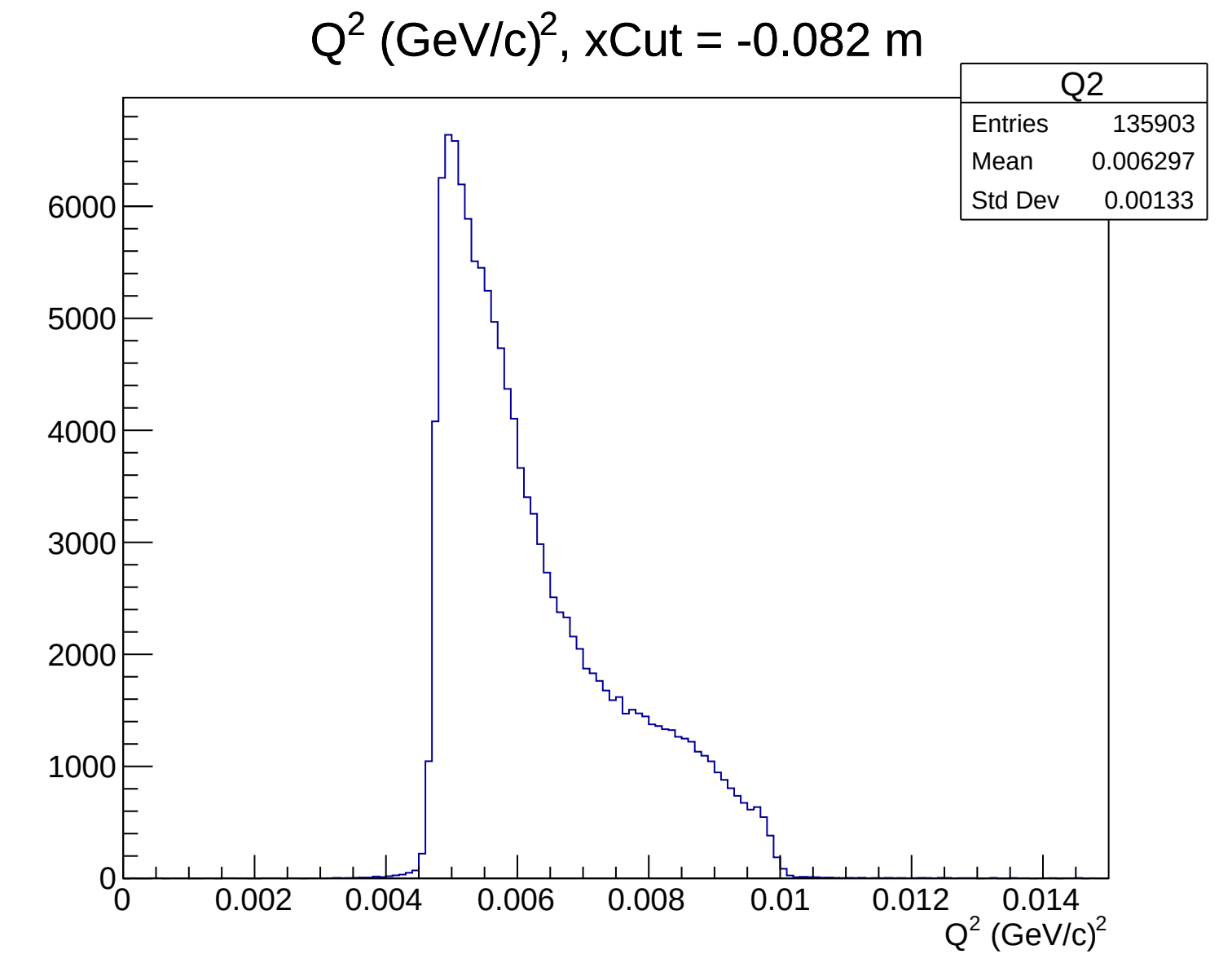

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.082
R.tr.x[0]+1.3*R.tr.th[0] (m)

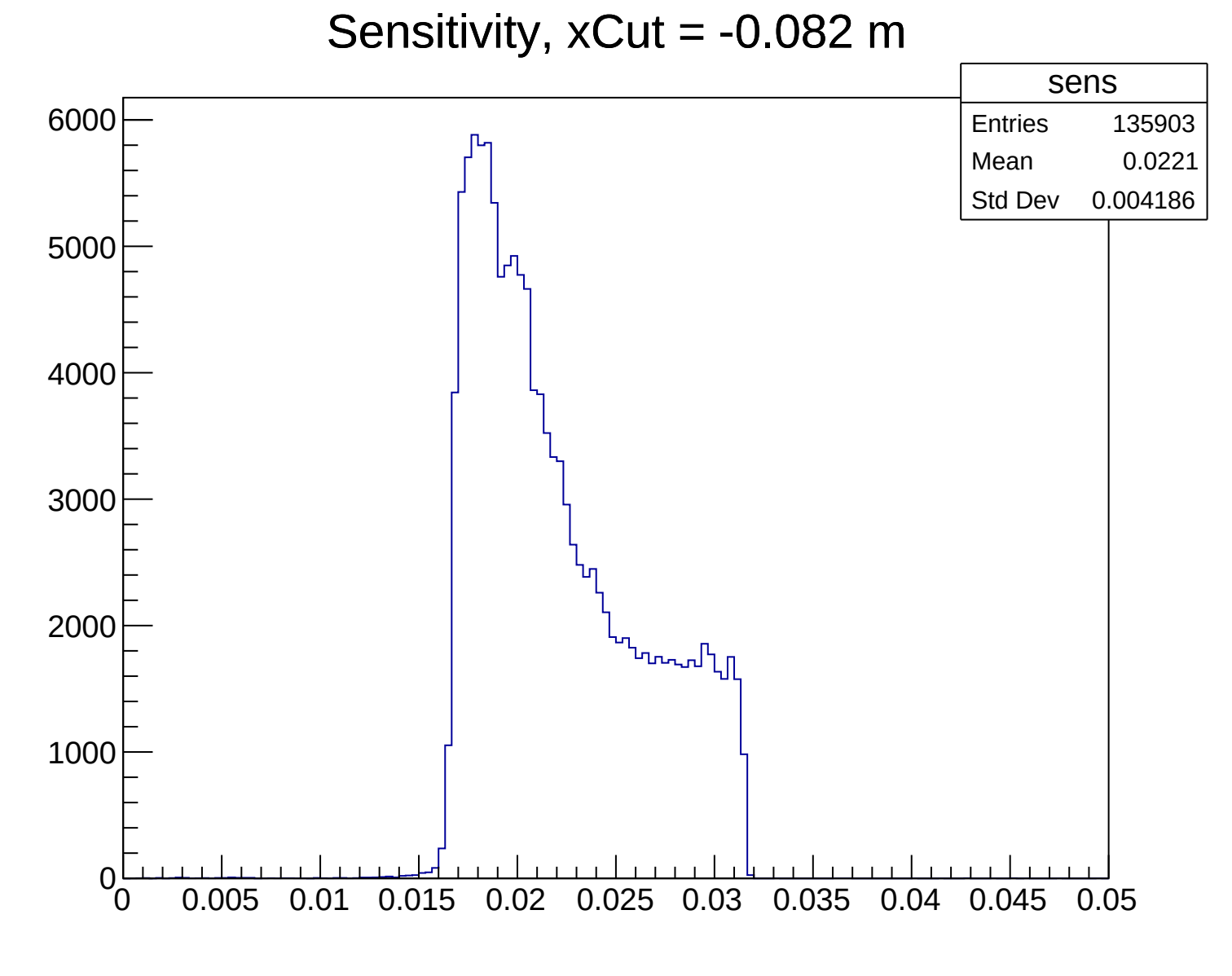

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

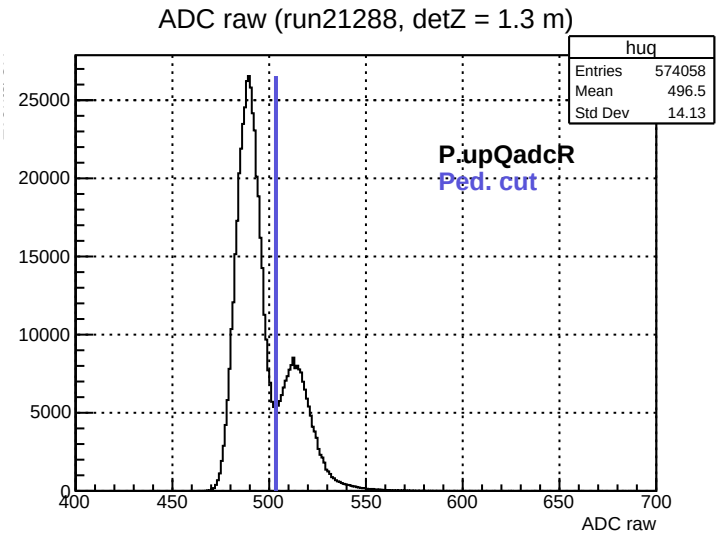

θlab (deg), xCut = -0.082 m
Theta
Entries 135903
Mean 4.771
Std Dev 0.4909
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

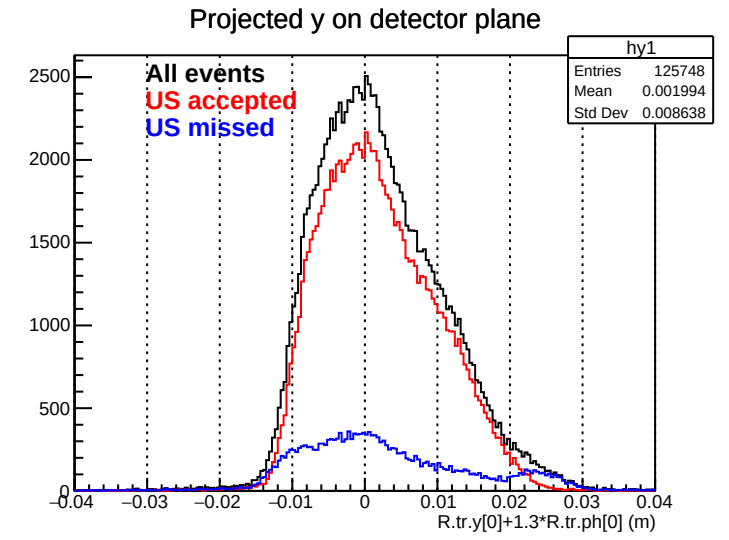

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 135903
Mean 0.5646
Std Dev 0.09309
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

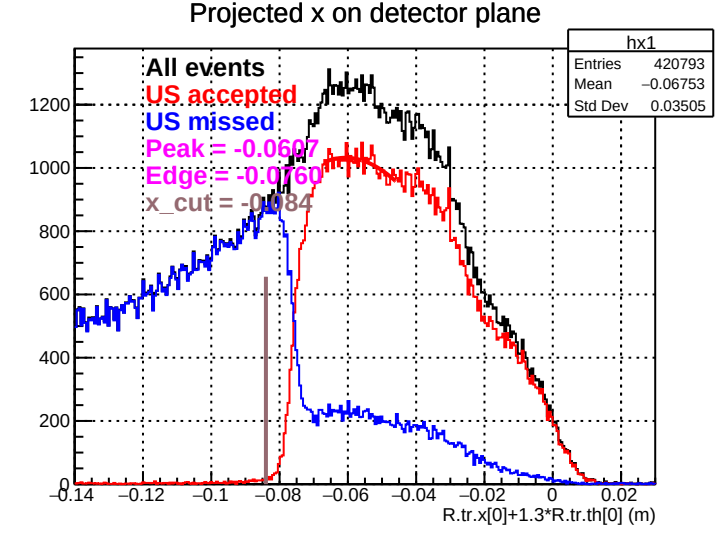

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 135903
Mean 0.5518
Std Dev 0.08906
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

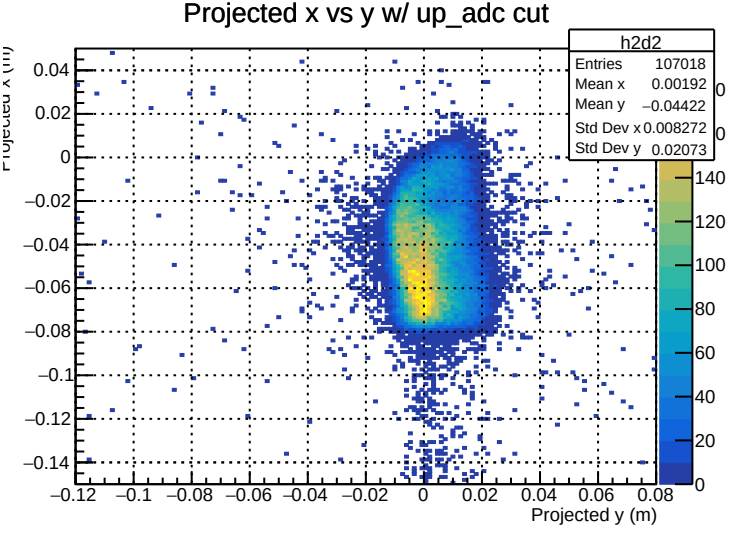

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 135903
Mean 0.006297
Std Dev 0.00133
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

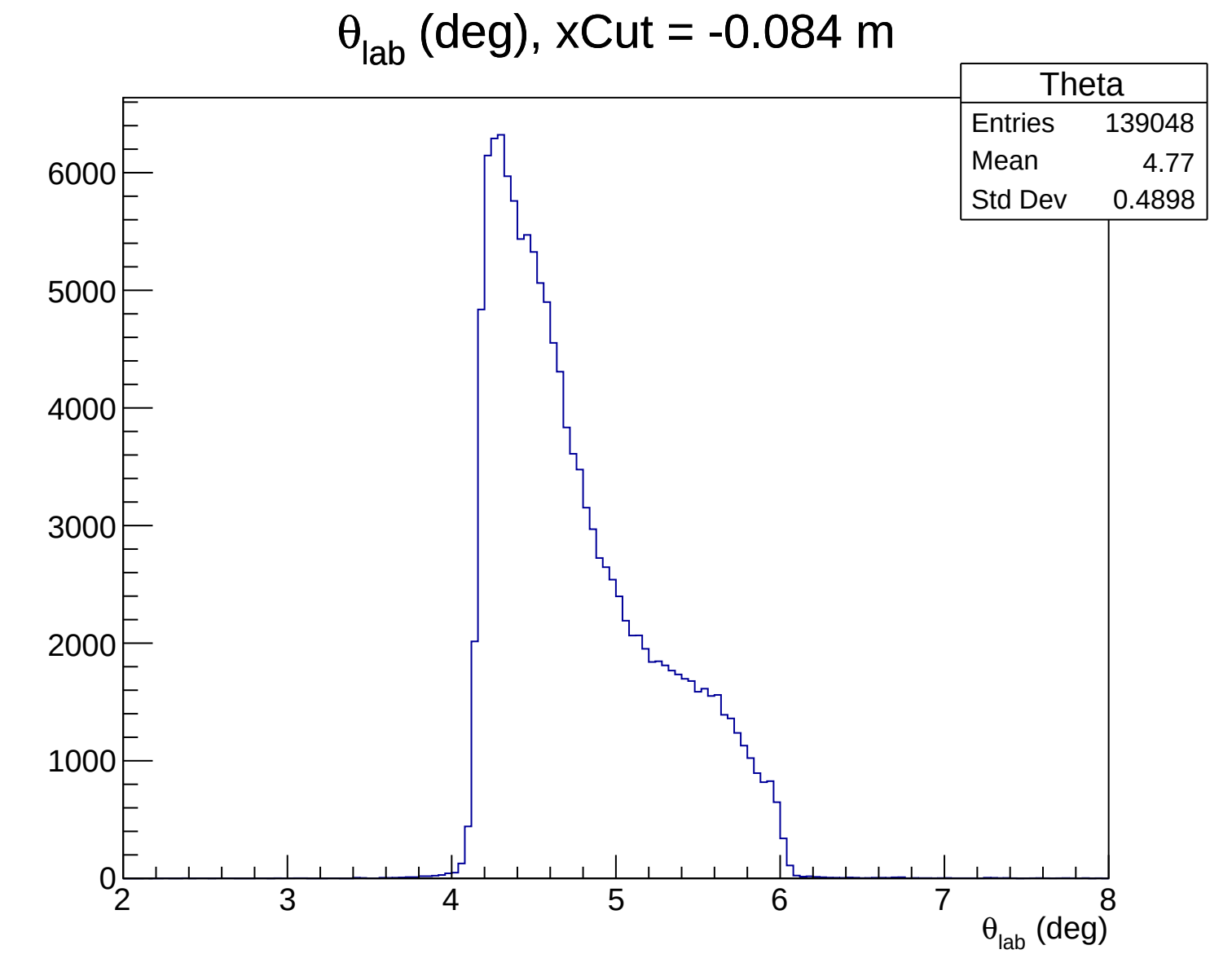

Sensitivity, xCut = -0.082 m
sens
Entries 135903
Mean 0.0221
Std Dev 0.004186
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

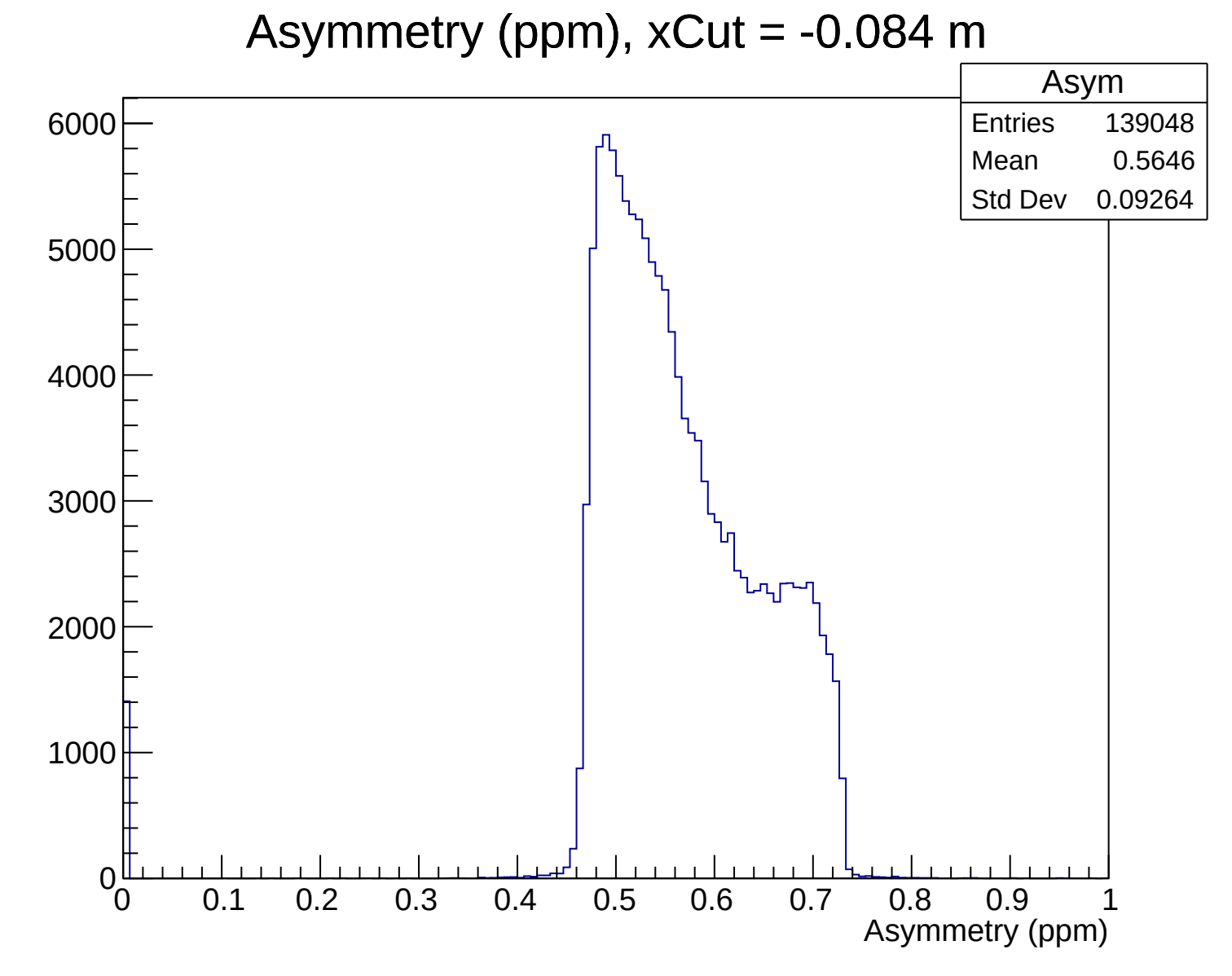

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

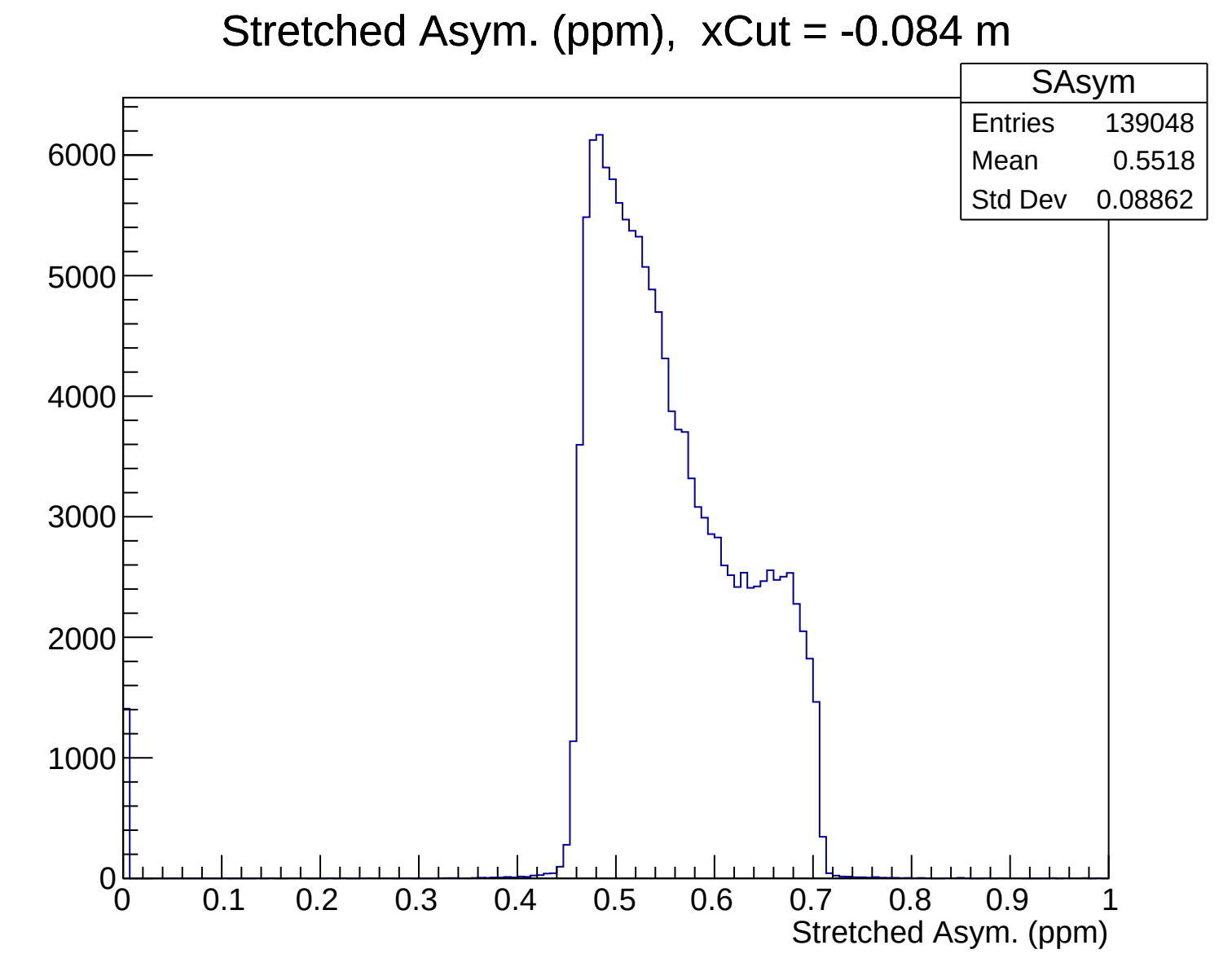

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

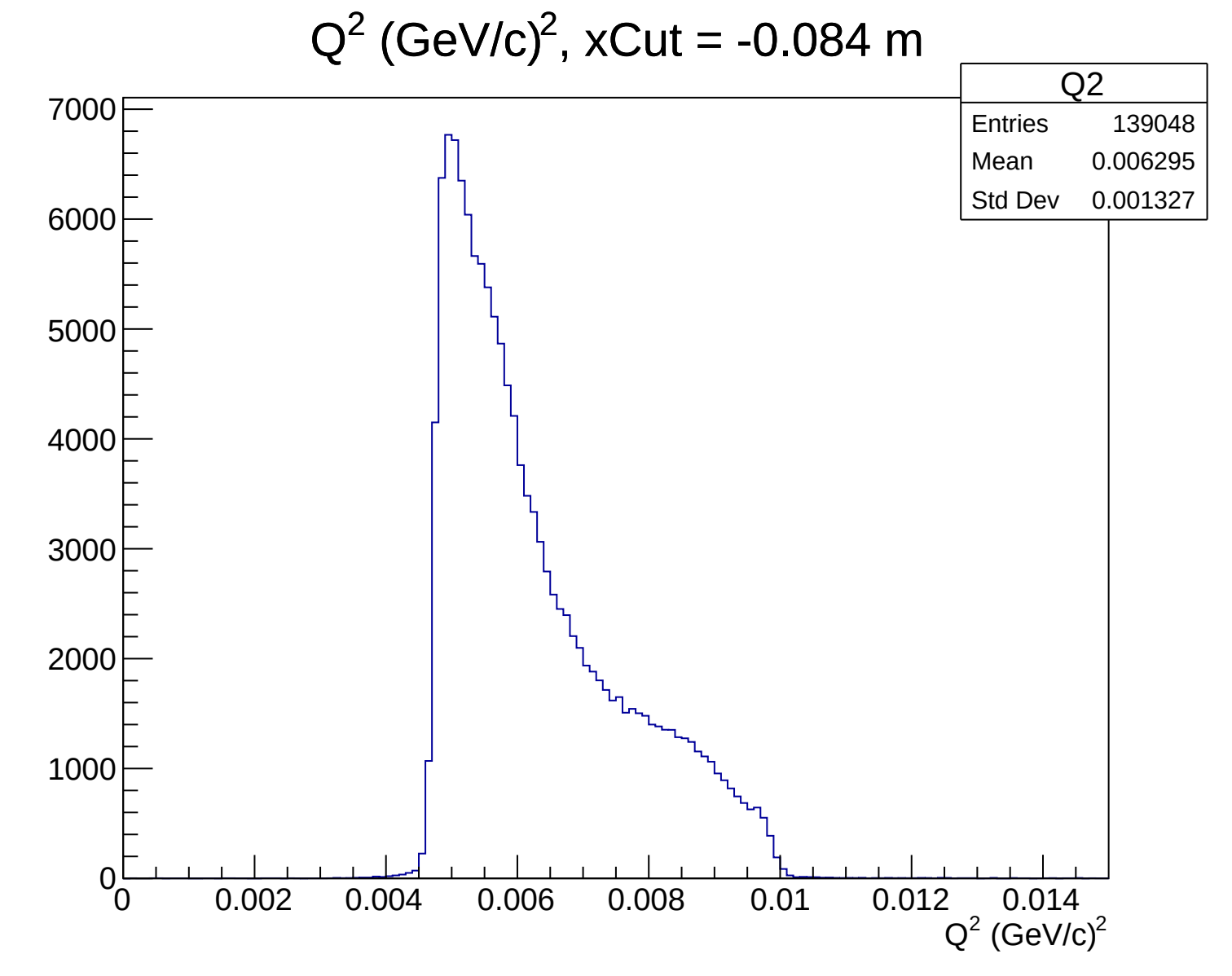

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.084
R.tr.x[0]+1.3*R.tr.th[0] (m)

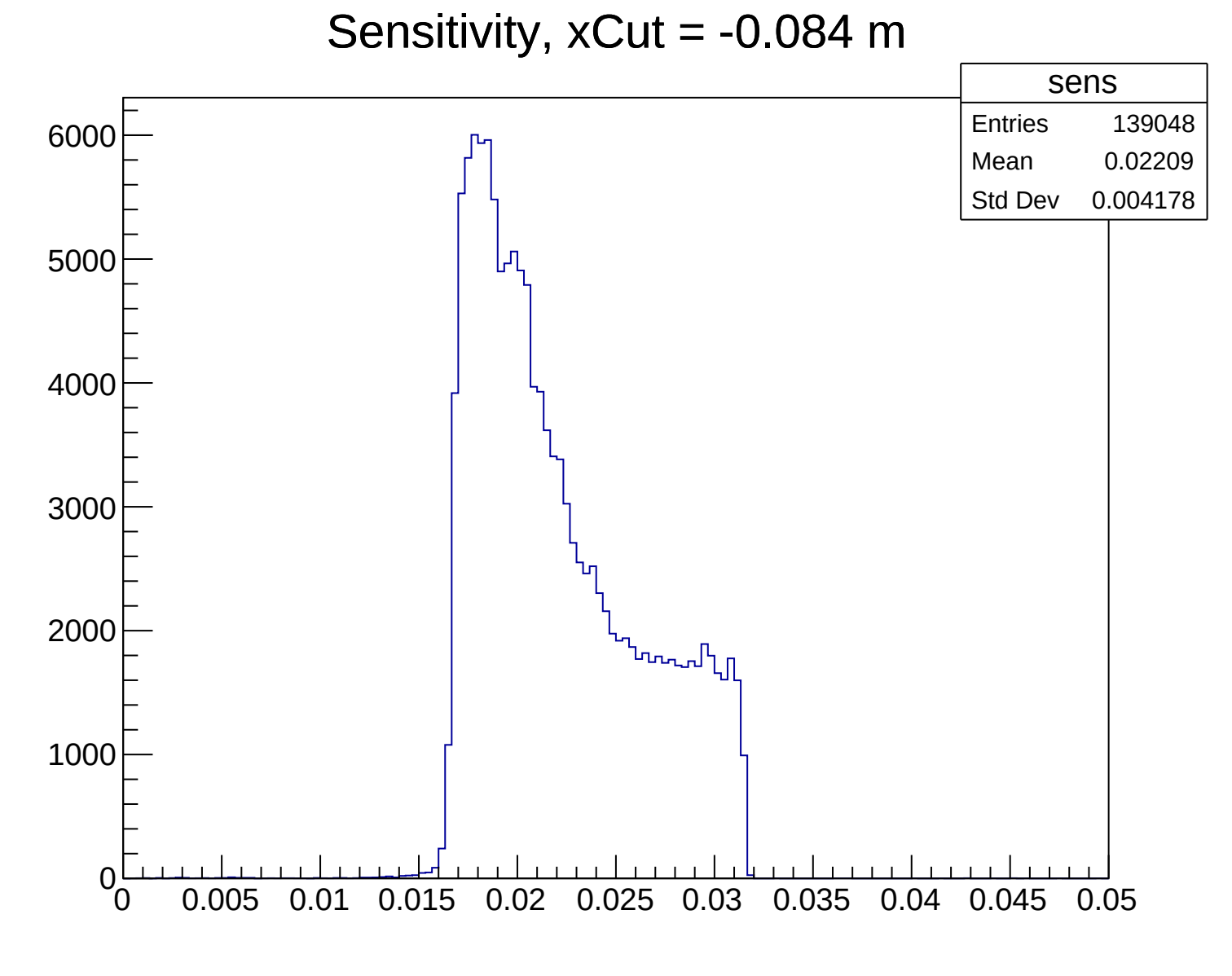

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

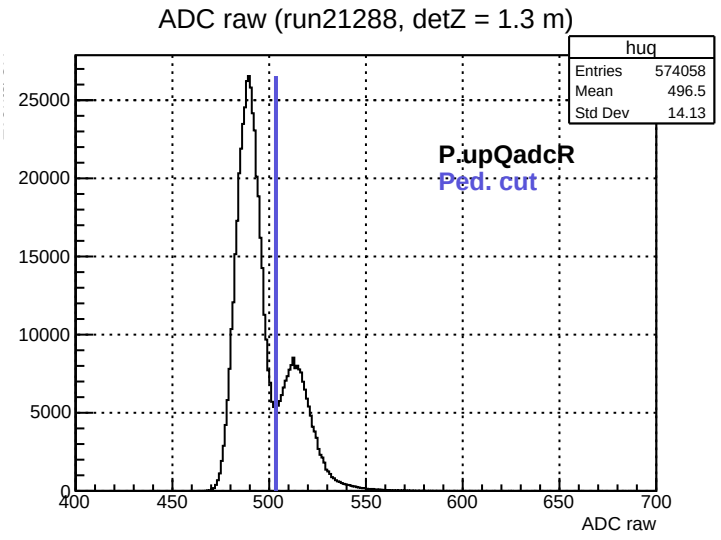

θlab (deg), xCut = -0.084 m
Theta
Entries 139048
Mean 4.77
Std Dev 0.4898
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

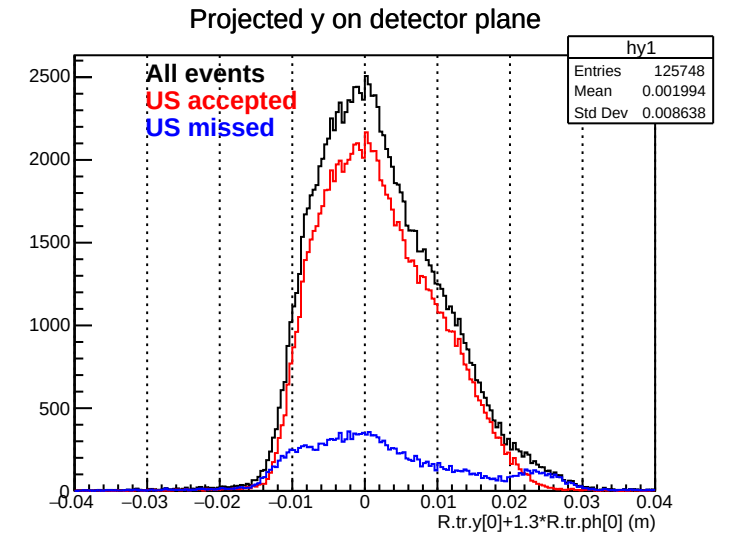

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 139048
Mean 0.5646
Std Dev 0.09264
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

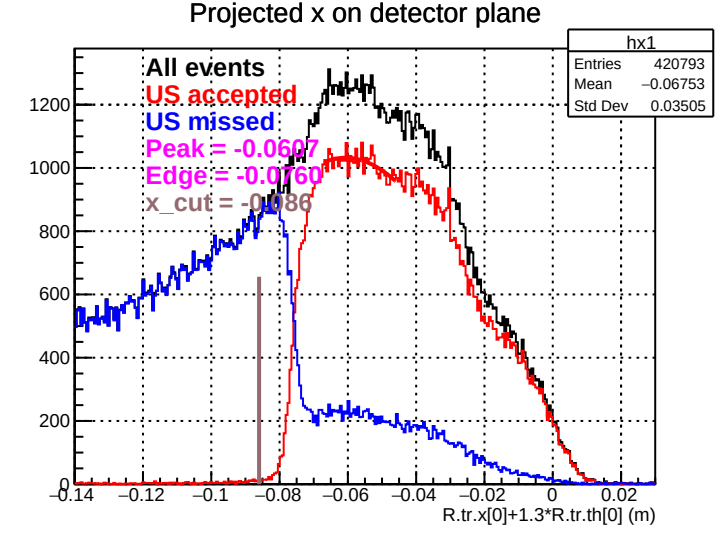

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 139048
Mean 0.5518
Std Dev 0.08862
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

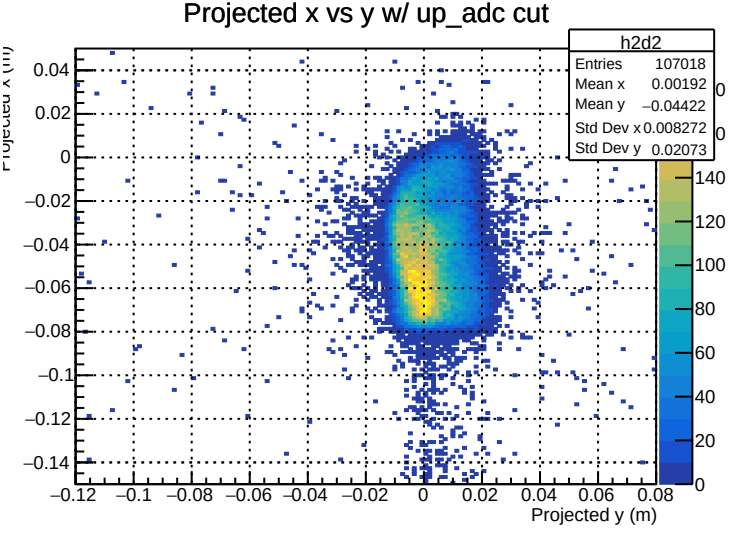

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 139048
Mean 0.006295
Std Dev 0.001327
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

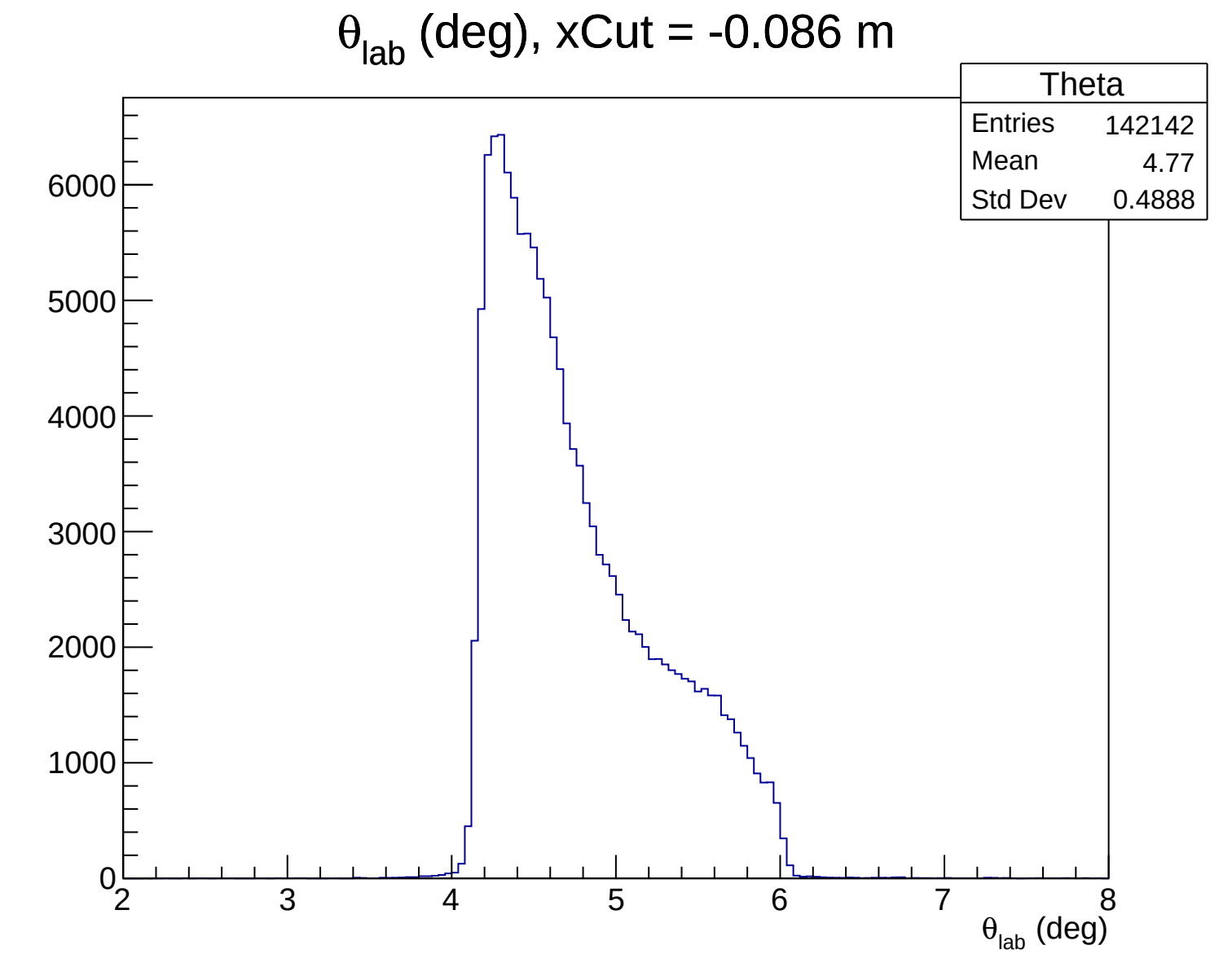

Sensitivity, xCut = -0.084 m
sens
Entries 139048
Mean 0.02209
Std Dev 0.004178
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

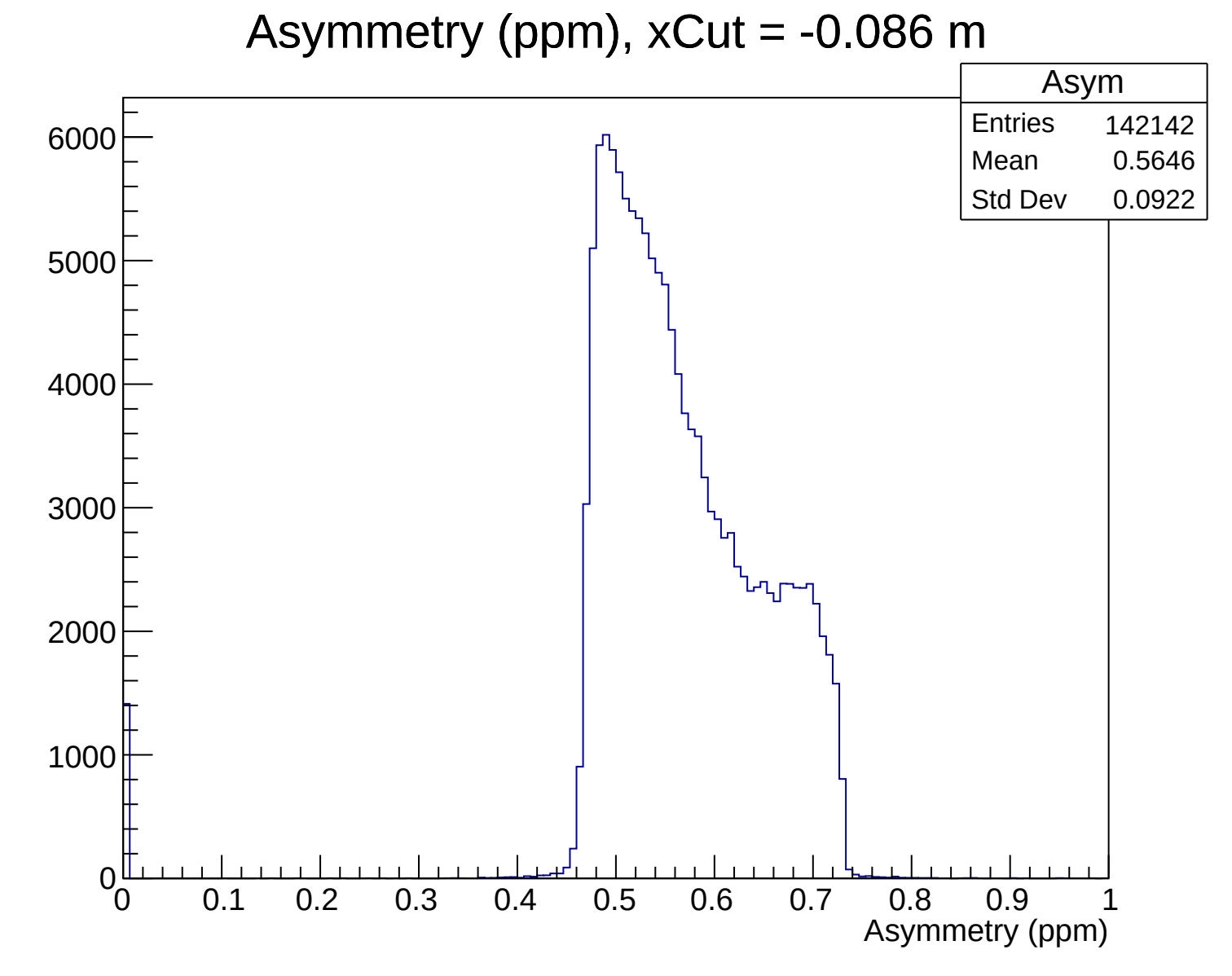

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

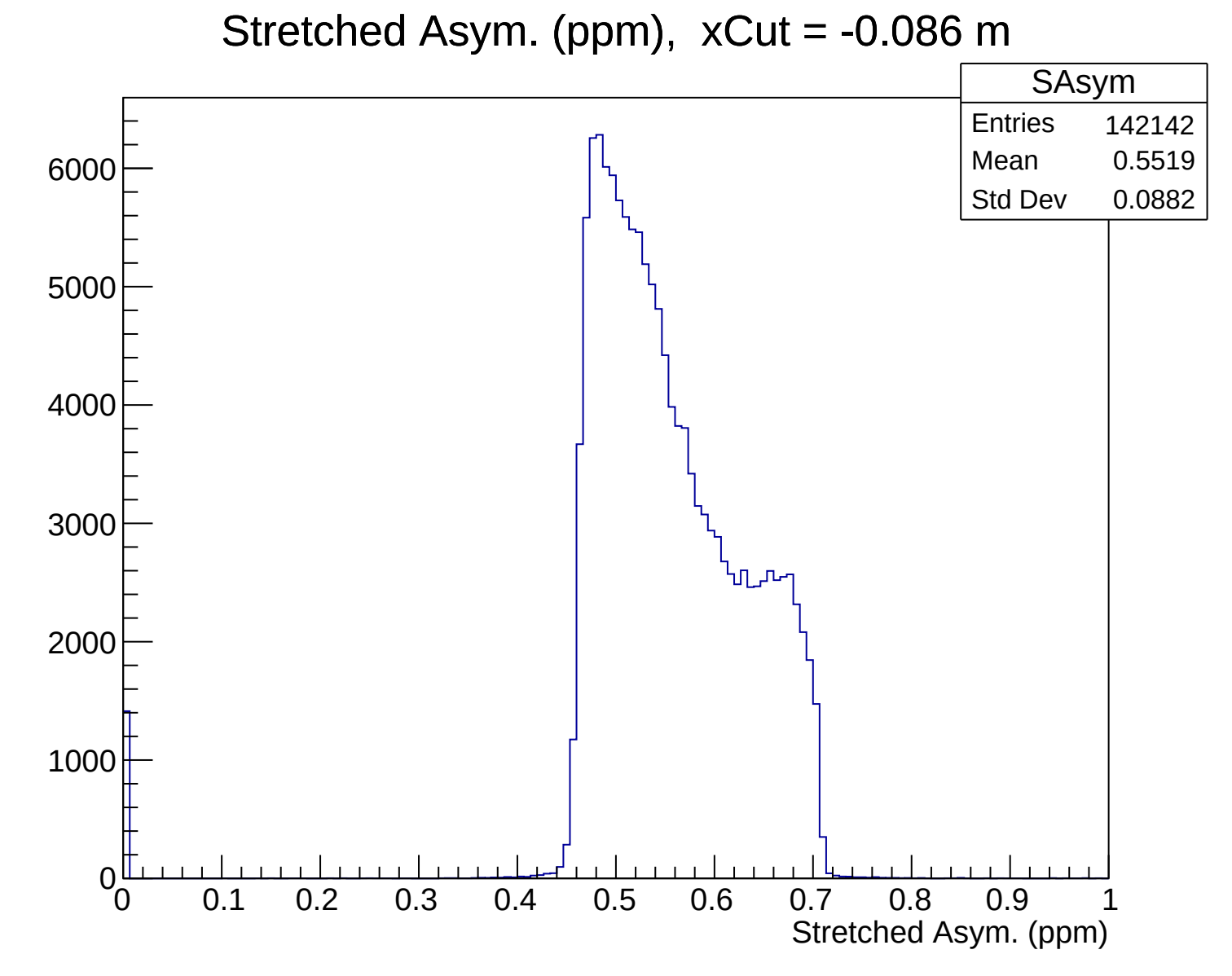

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

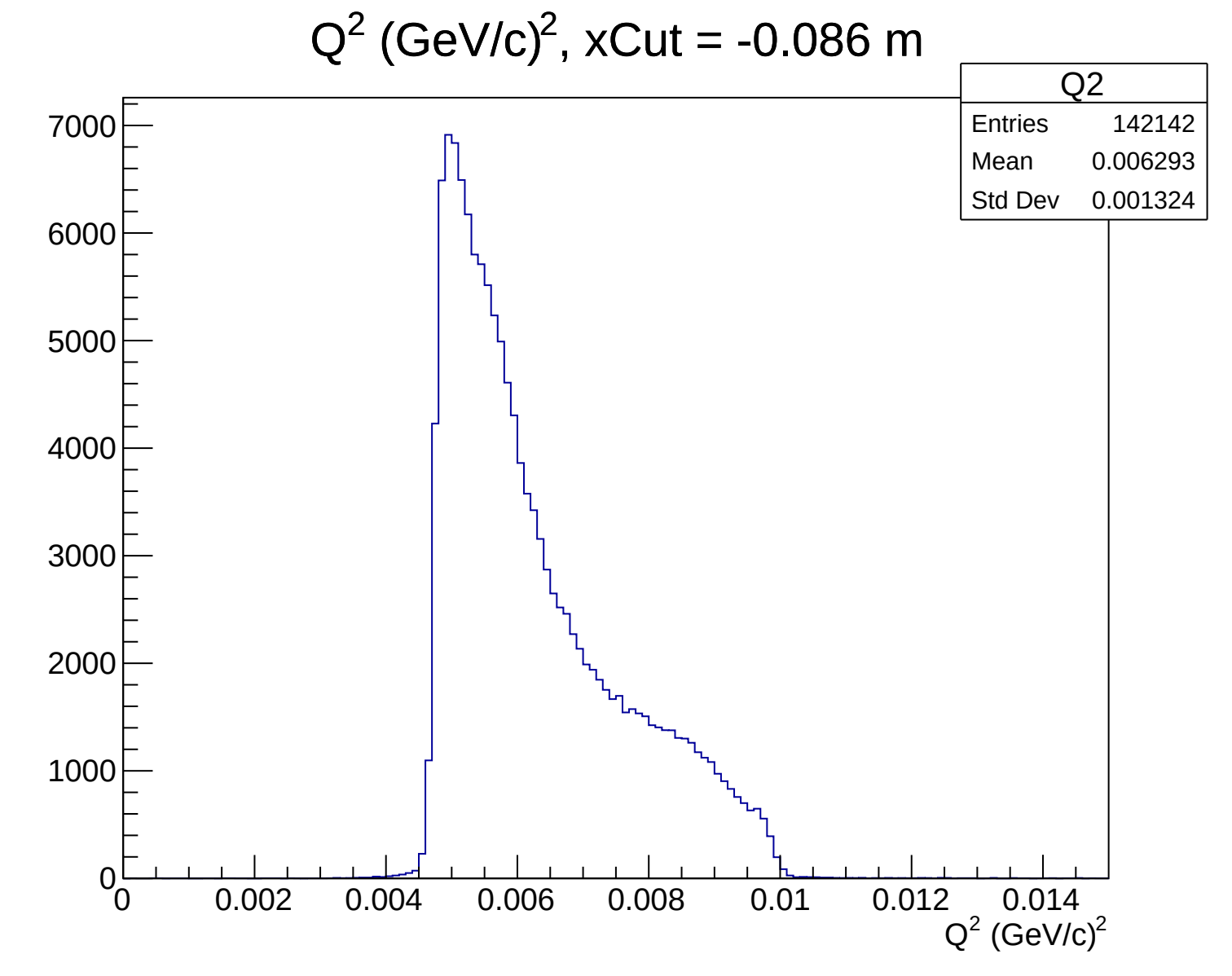

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.086
R.tr.x[0]+1.3*R.tr.th[0] (m)

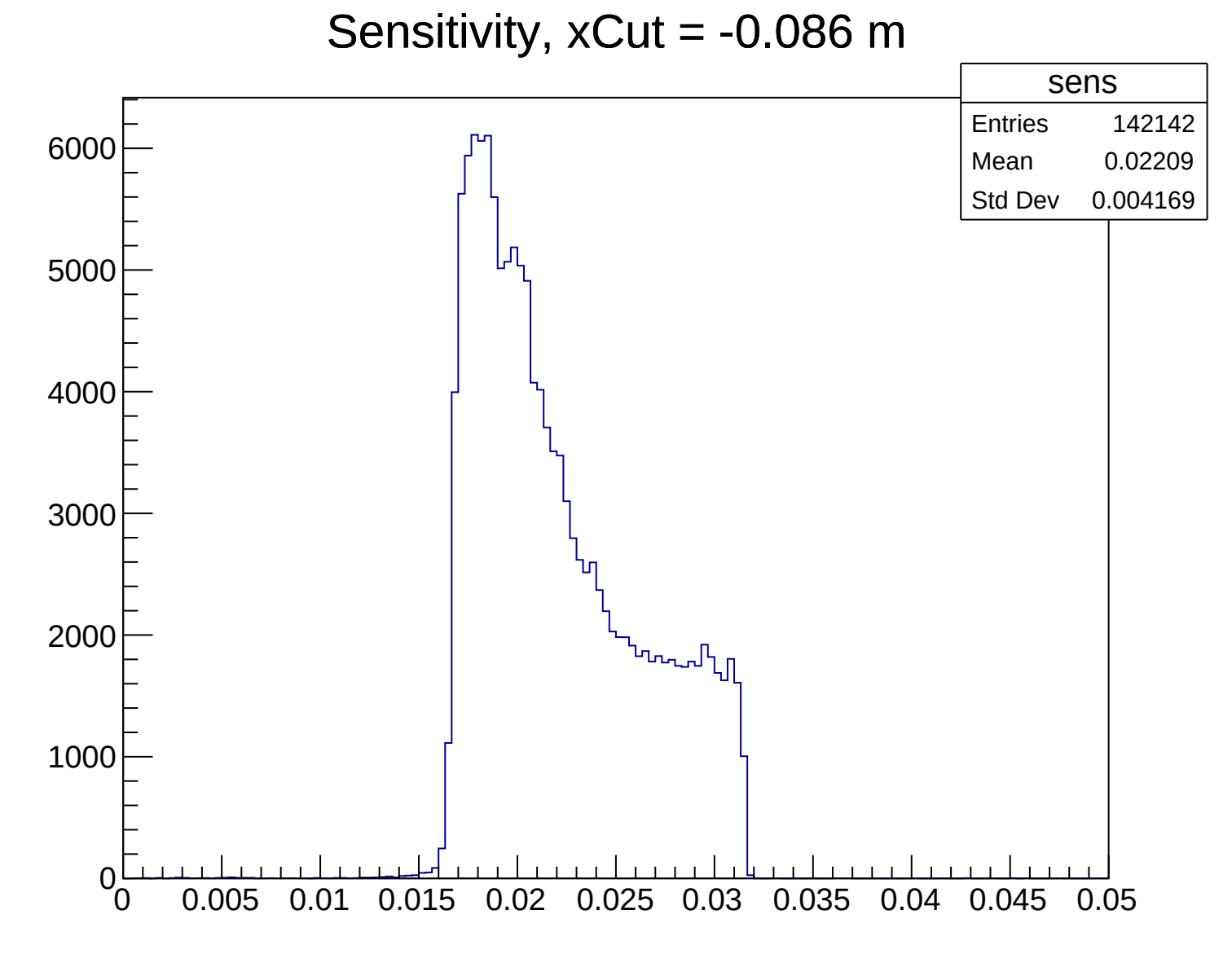

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected x (m)
Projected y (m)

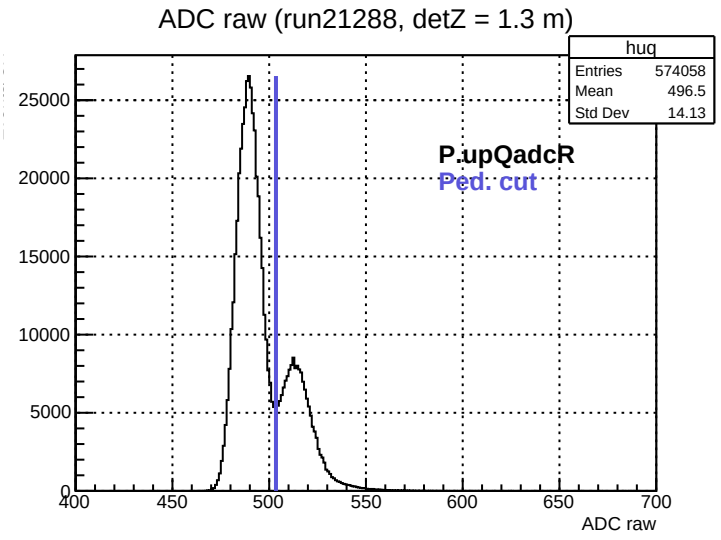

θlab (deg), xCut = -0.086 m
Theta
Entries 142142
Mean 4.77
Std Dev 0.4888
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

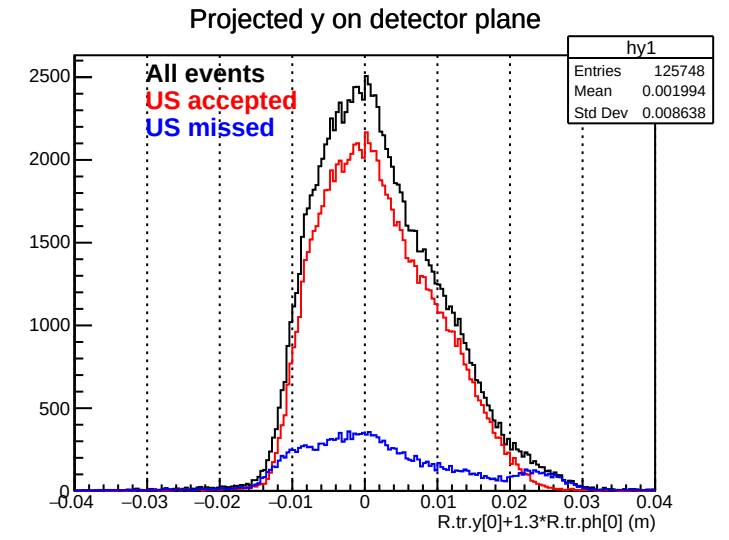

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 142142
Mean 0.5646
Std Dev 0.0922
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

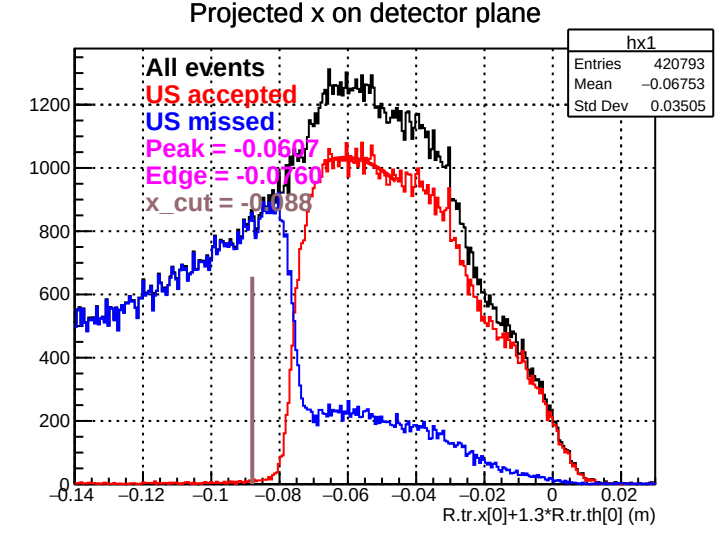

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 142142
Mean 0.5519
Std Dev 0.0882
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

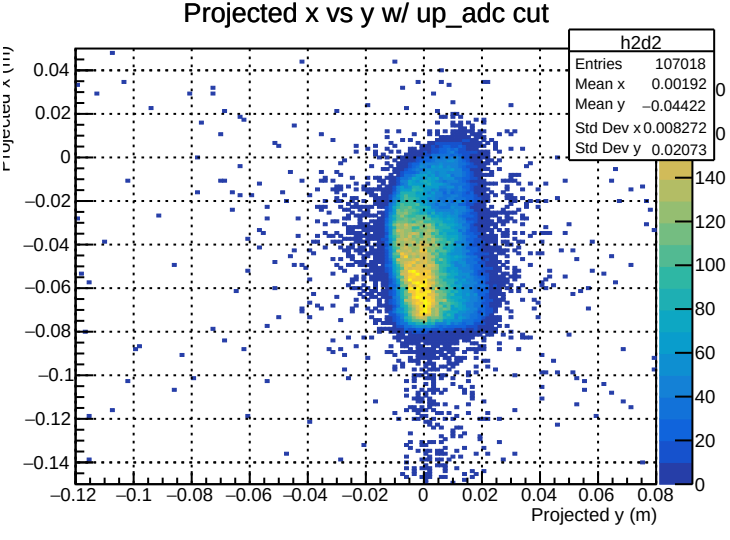

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 142142
Mean 0.006293
Std Dev 0.001324
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

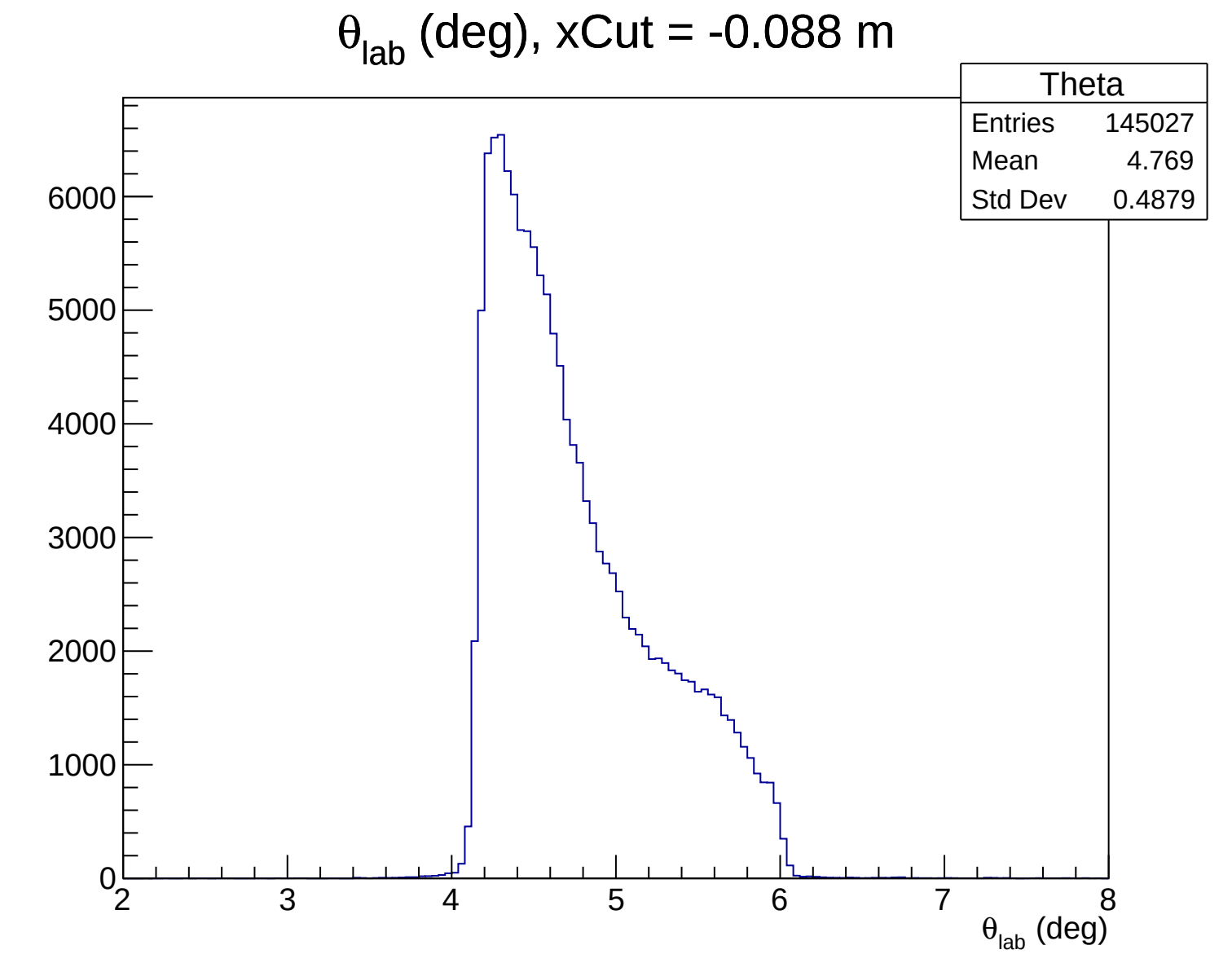

Sensitivity, xCut = -0.086 m
sens
Entries 142142
Mean 0.02209
Std Dev 0.004169
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

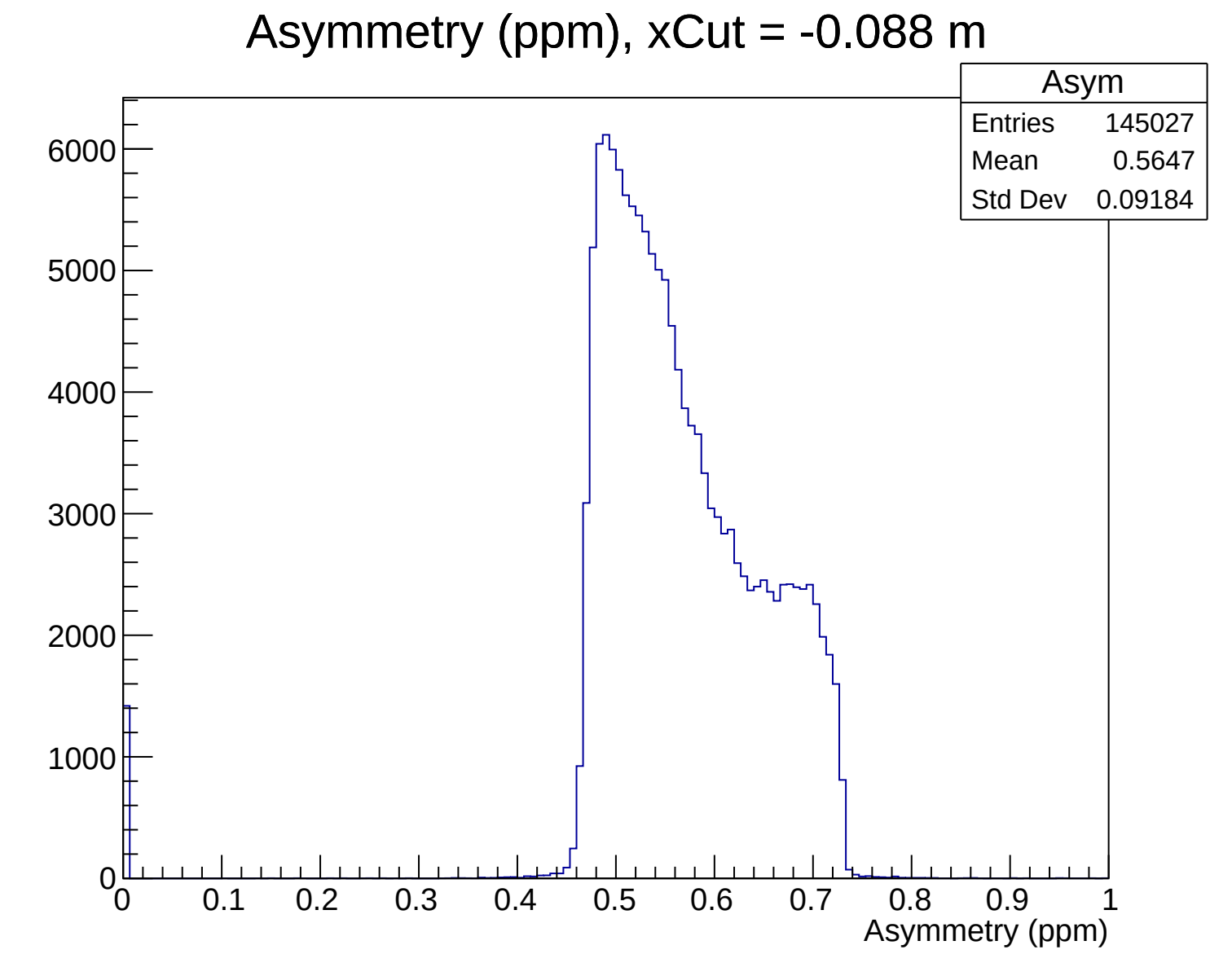

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

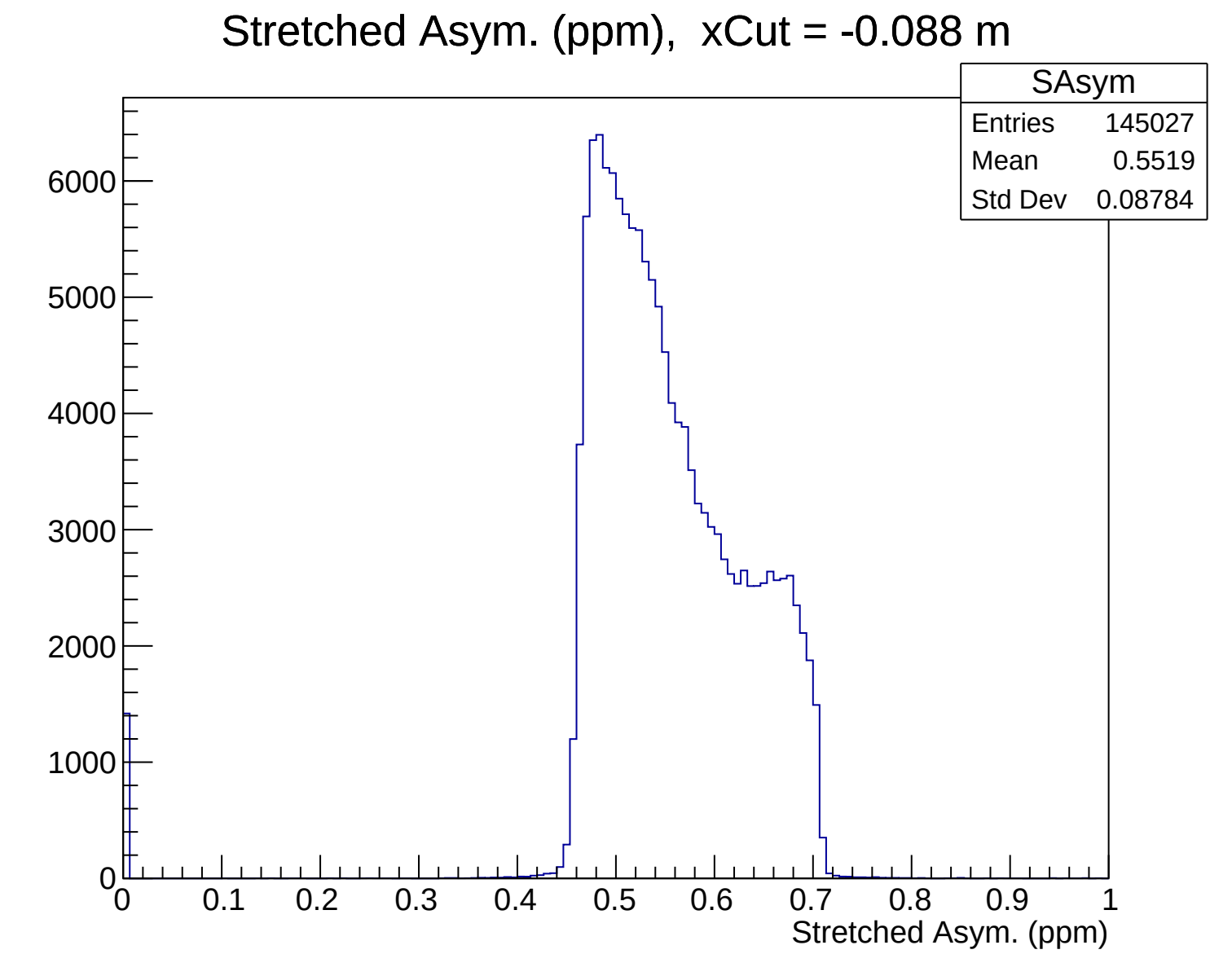

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

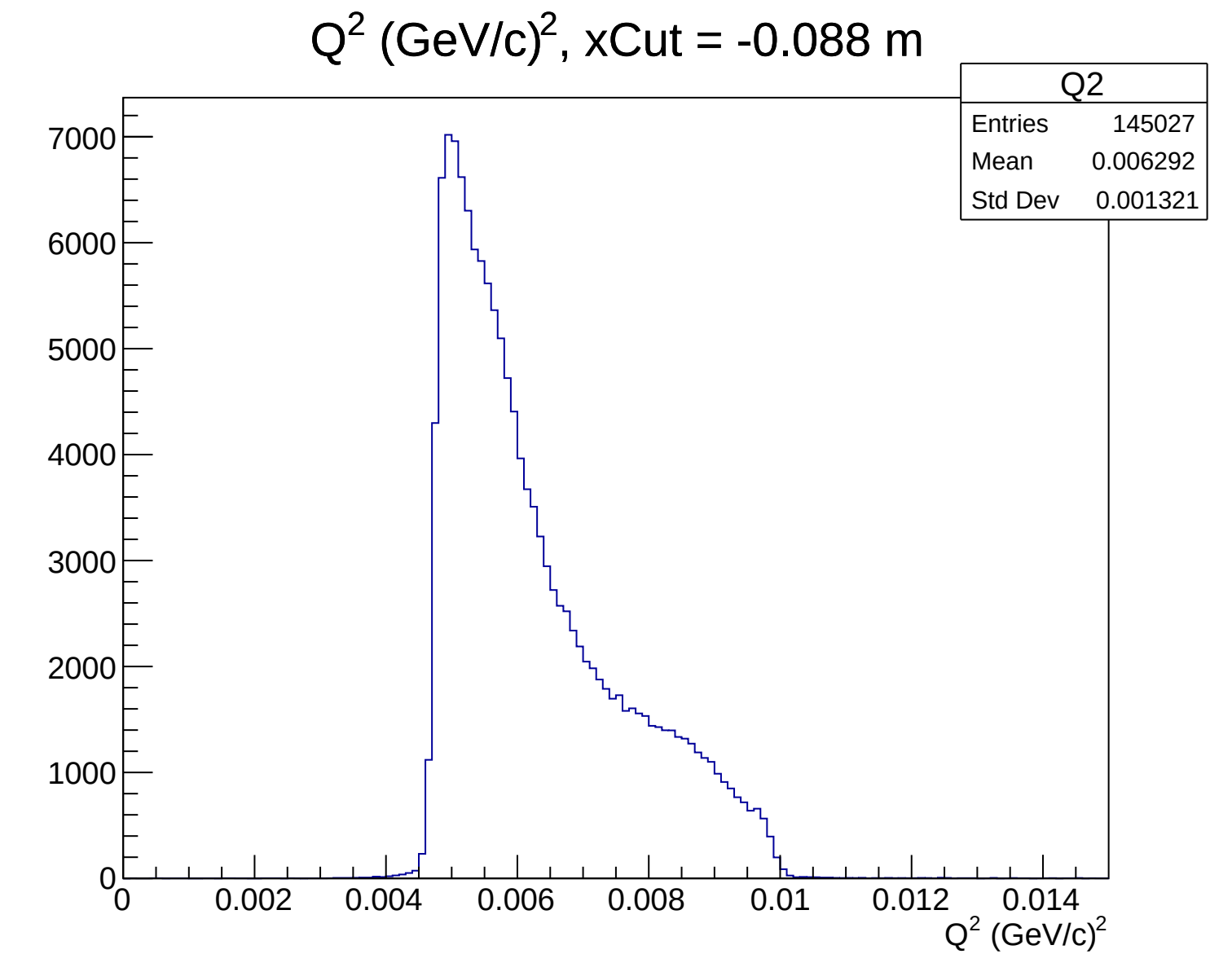

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.088
R.tr.x[0]+1.3*R.tr.th[0] (m)

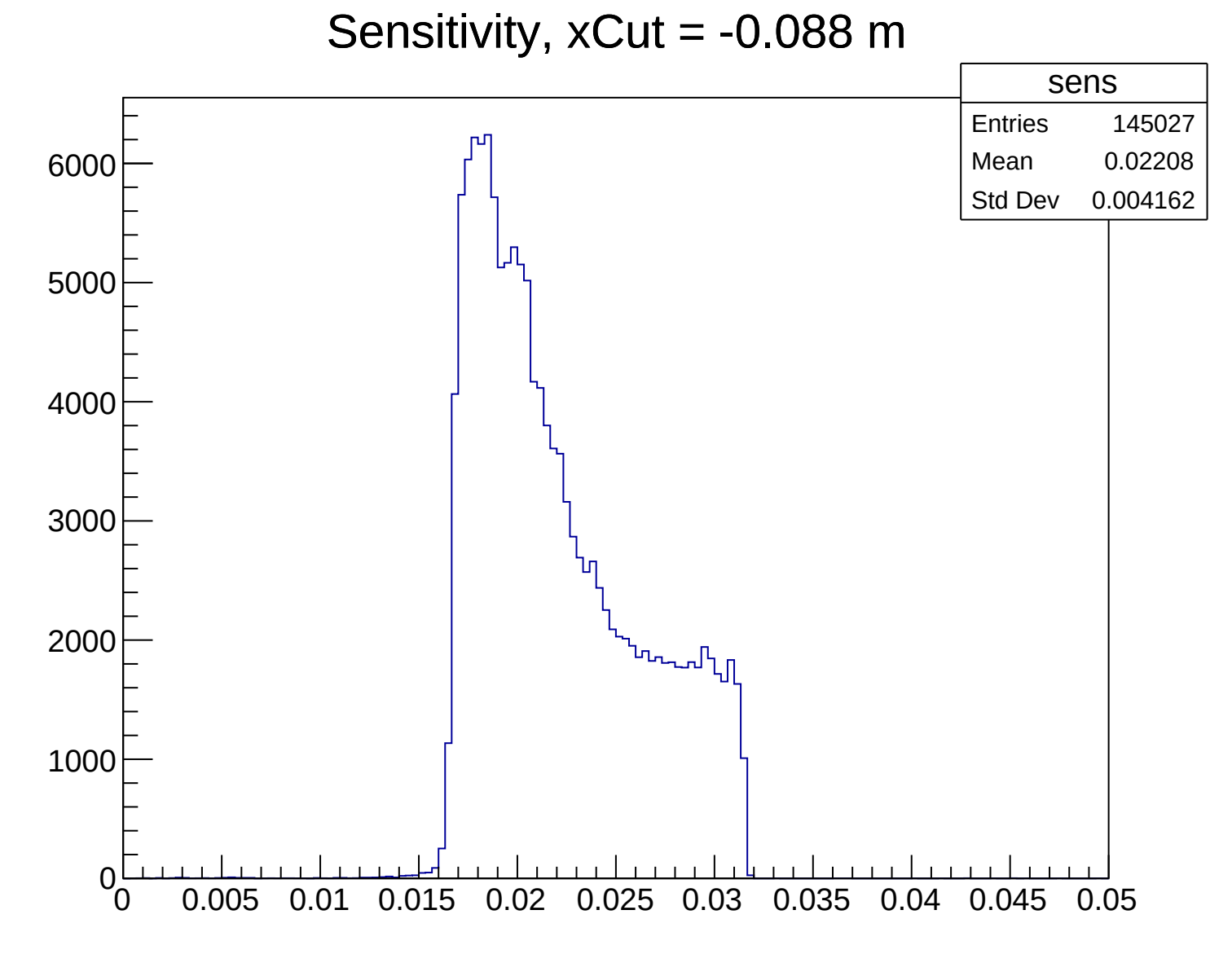

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

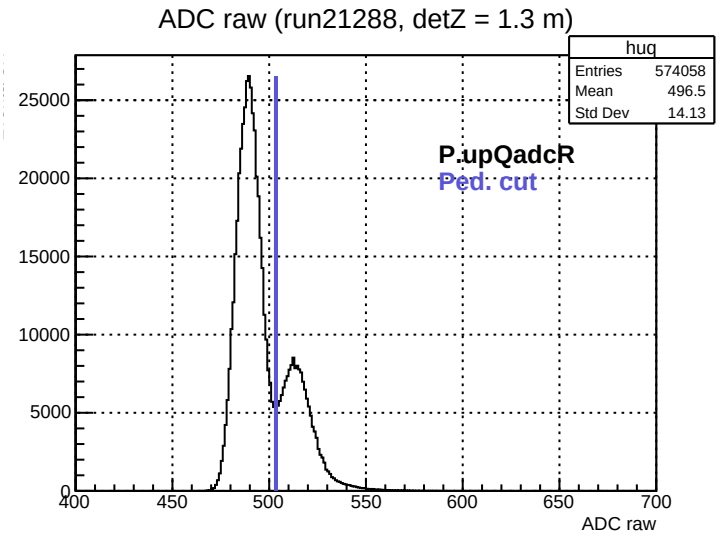

θlab (deg), xCut = -0.088 m
Theta
Entries 145027
Mean 4.769
Std Dev 0.4879
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

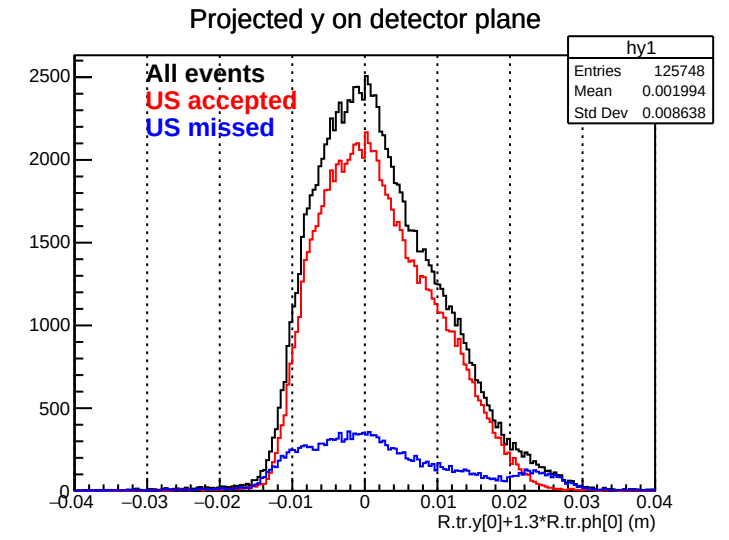

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 145027
Mean 0.5647
Std Dev 0.09184
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

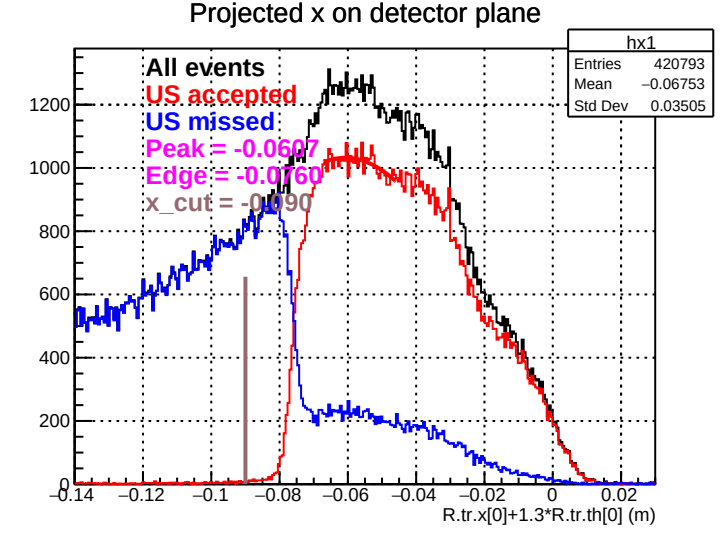

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 145027
Mean 0.5519
Std Dev 0.08784
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

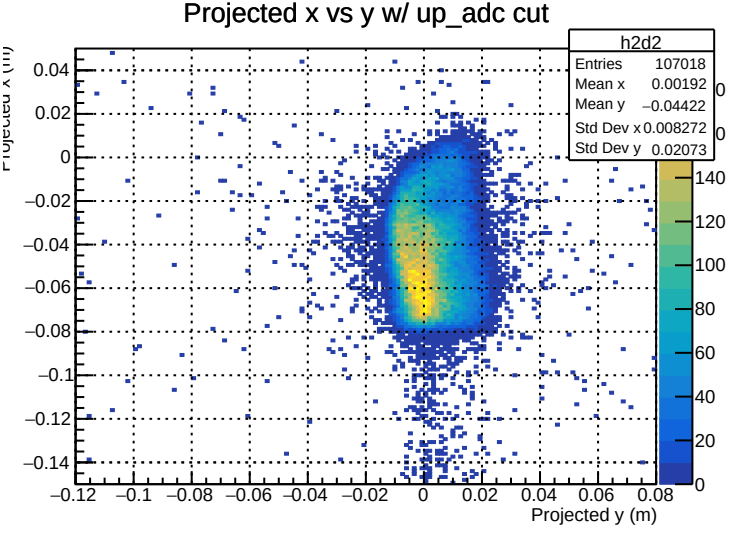

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 145027
Mean 0.006292
Std Dev 0.001321
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

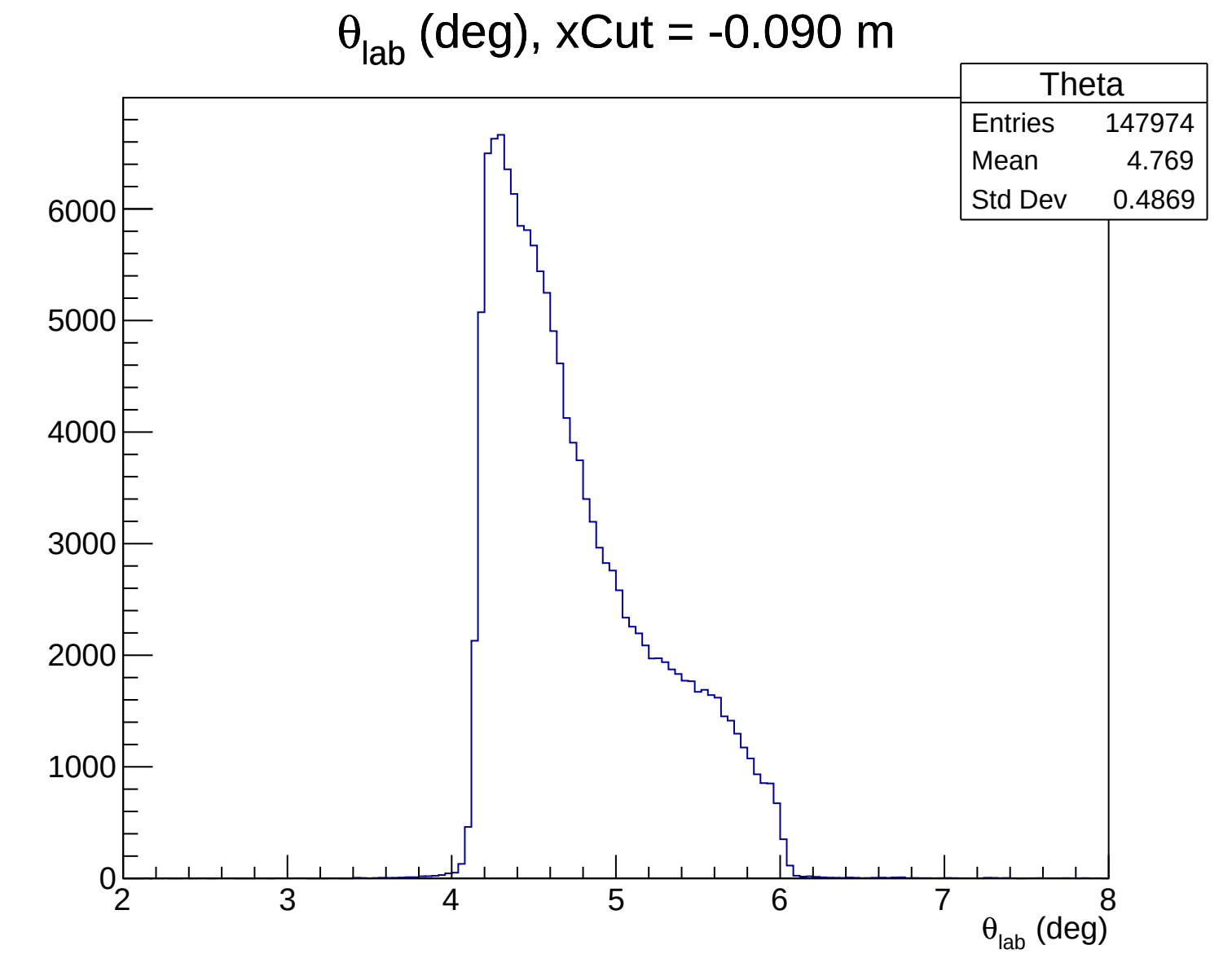

Sensitivity, xCut = -0.088 m
sens
Entries 145027
Mean 0.02208
Std Dev 0.004162
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

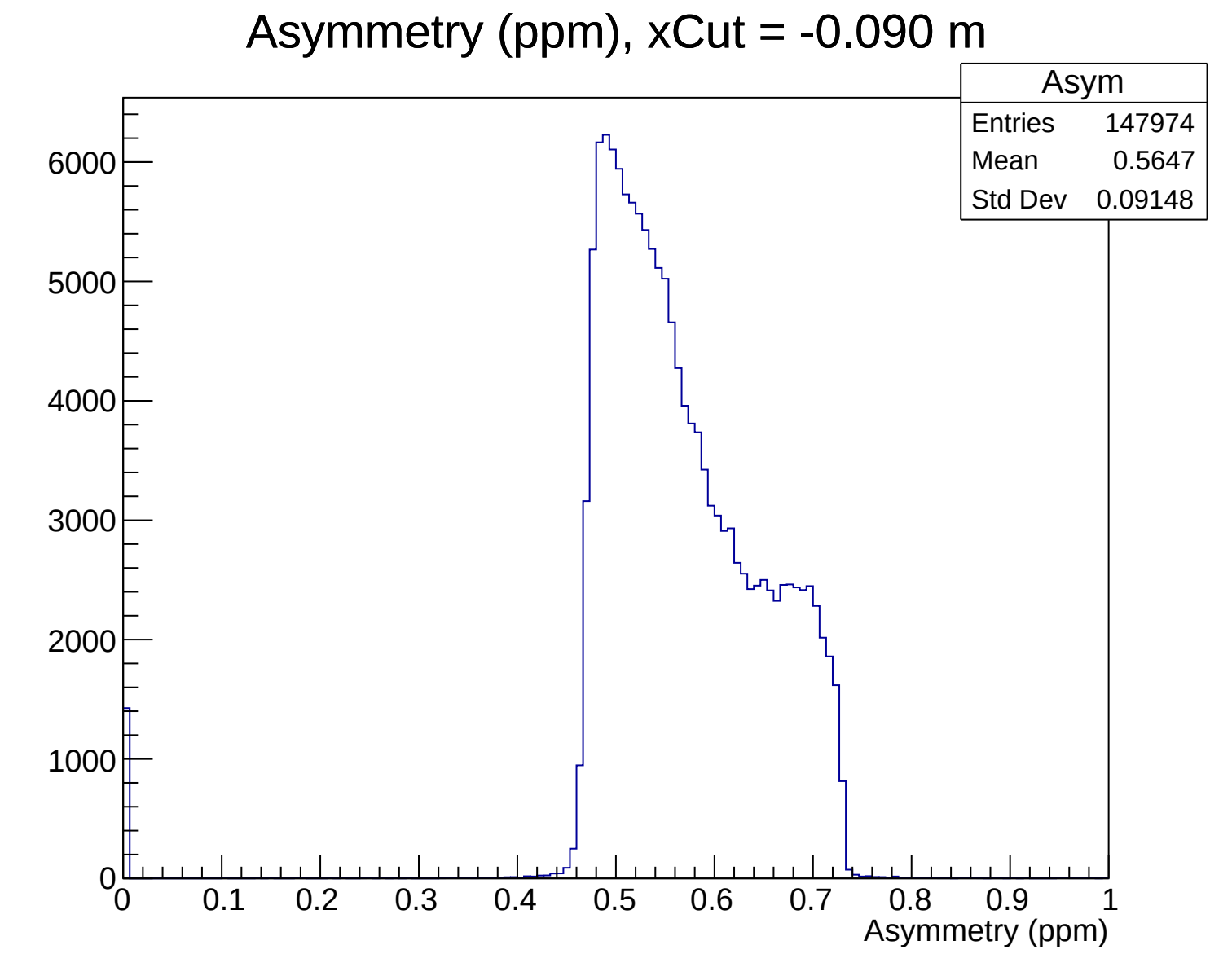

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

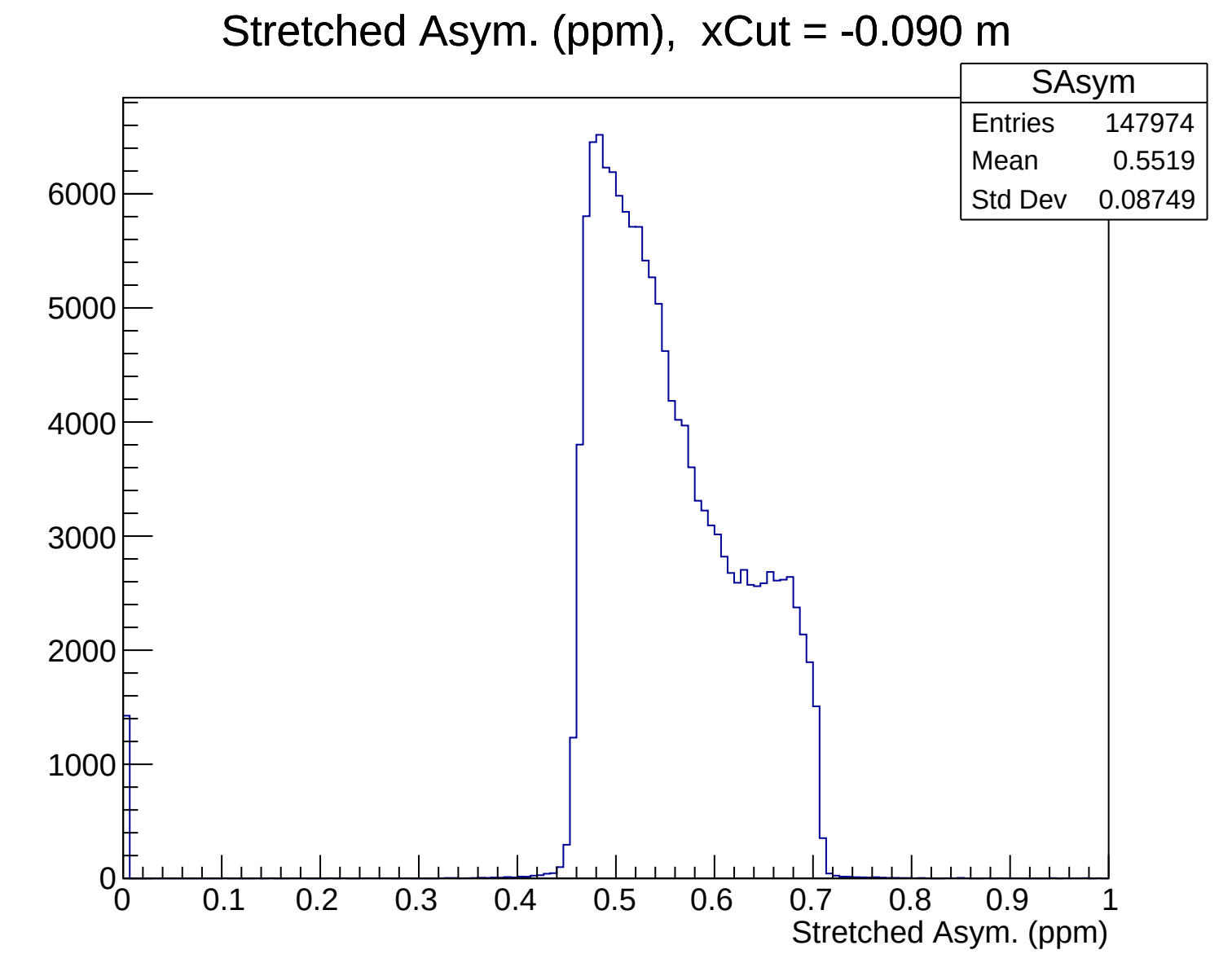

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

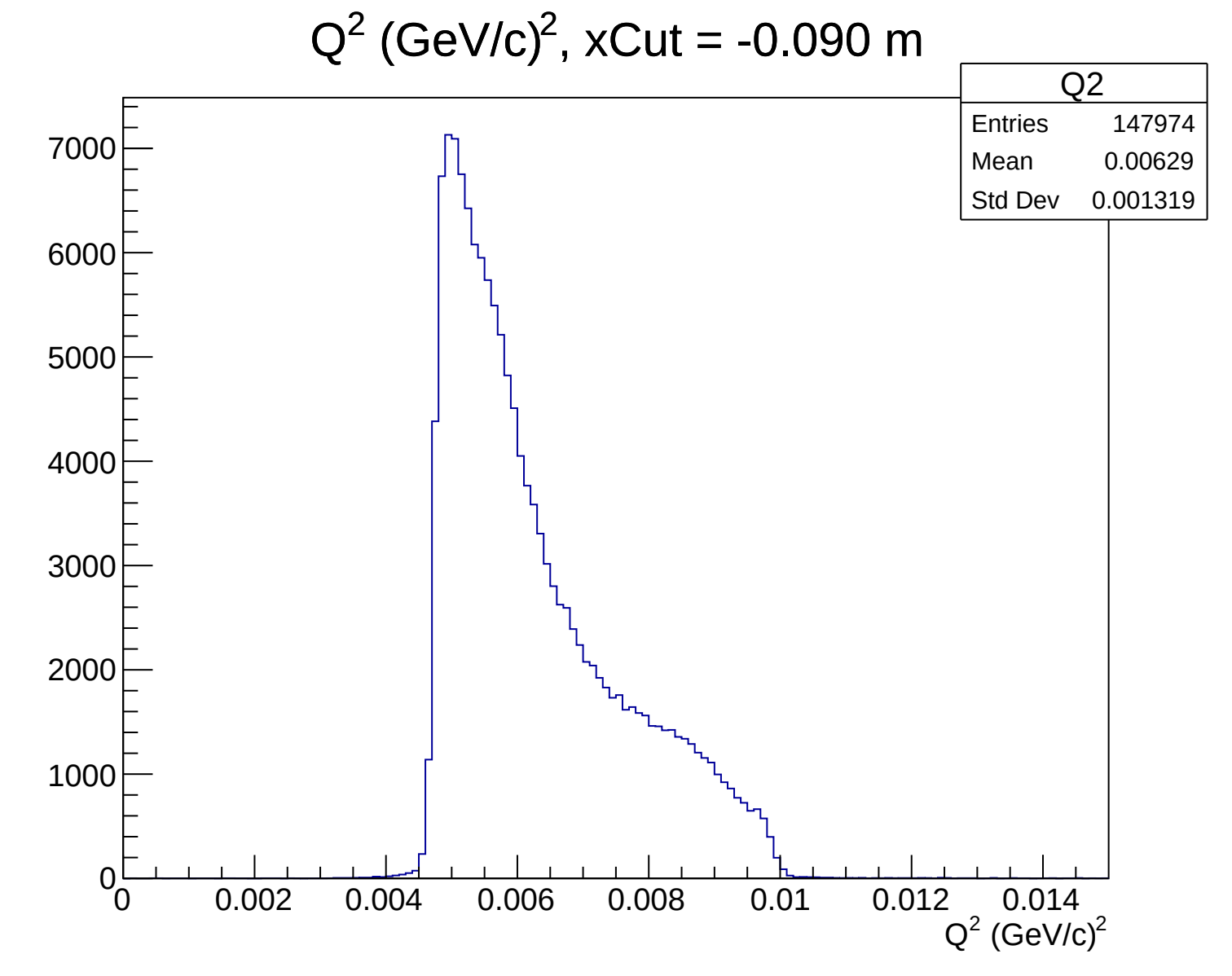

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.090
R.tr.x[0]+1.3*R.tr.th[0] (m)

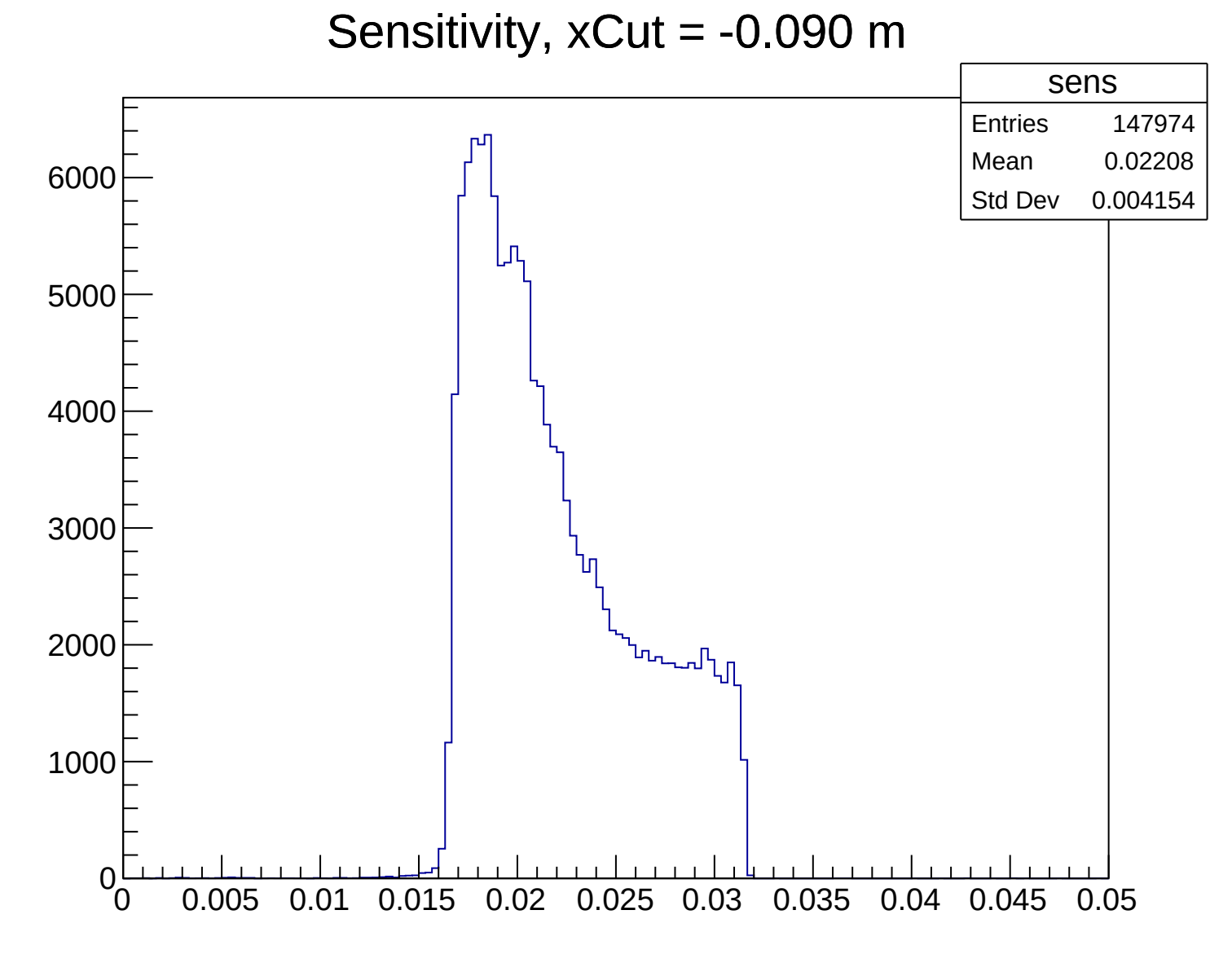

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected x (m)
Projected y (m)

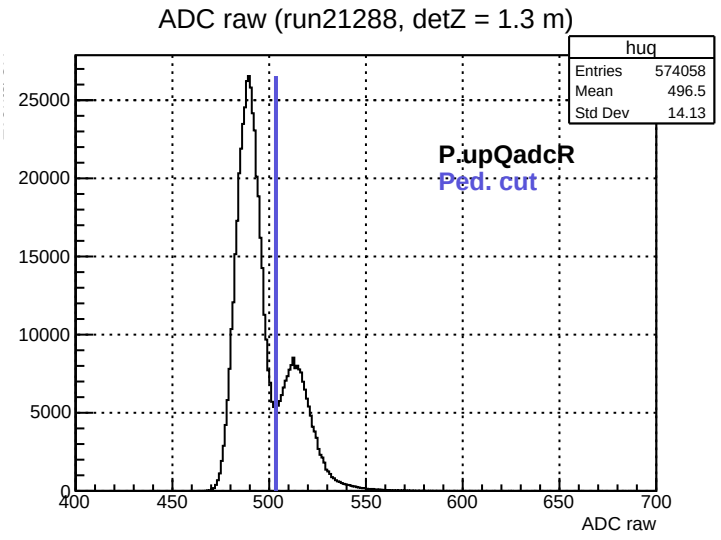

θlab (deg), xCut = -0.090 m
Theta
Entries 147974
Mean 4.769
Std Dev 0.4869
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

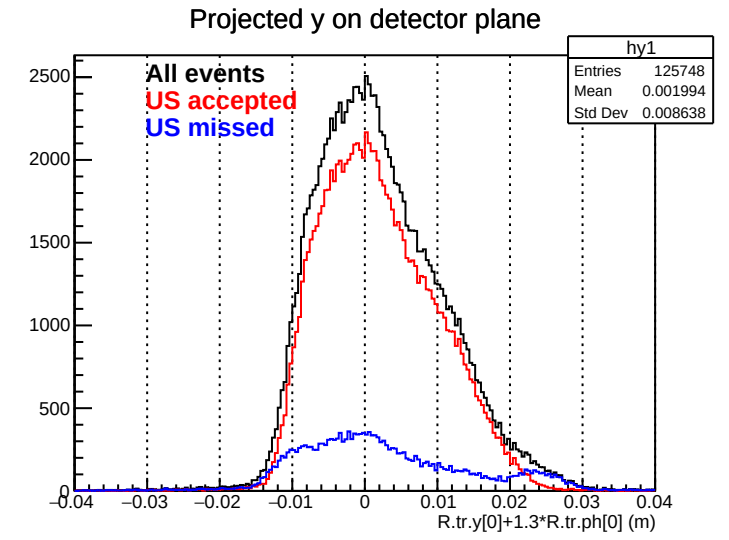

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 147974
Mean 0.5647
Std Dev 0.09148
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

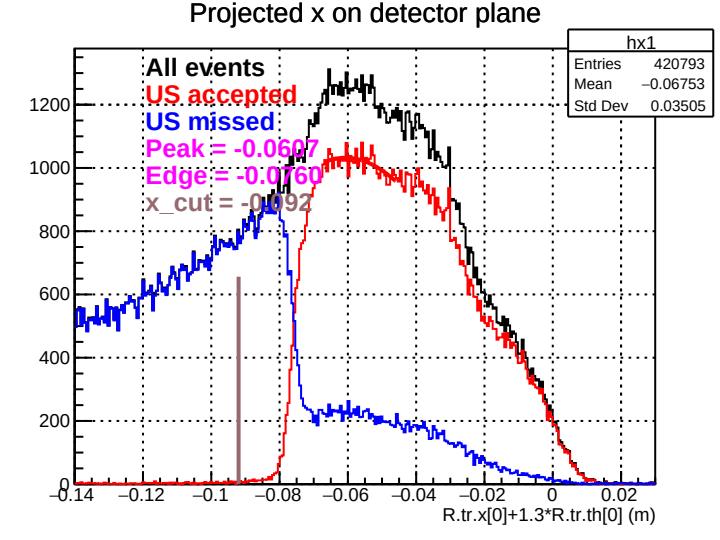

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 147974
Mean 0.5519
Std Dev 0.08749
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

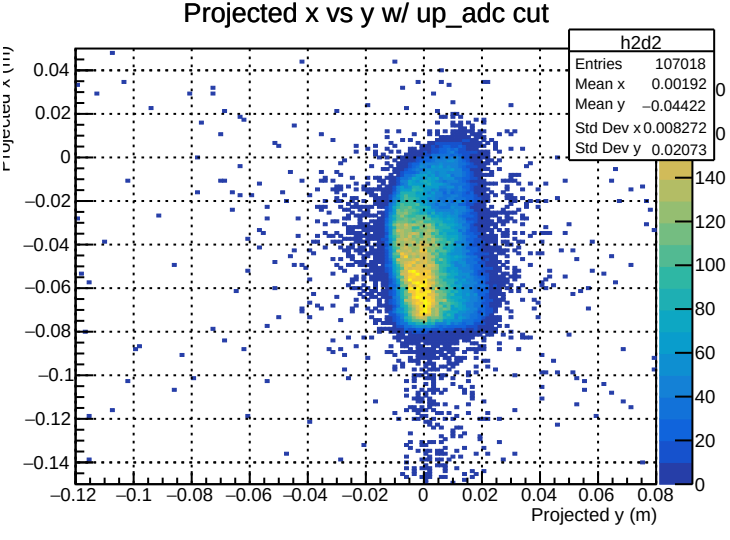

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 147974
Mean 0.00629
Std Dev 0.001319
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

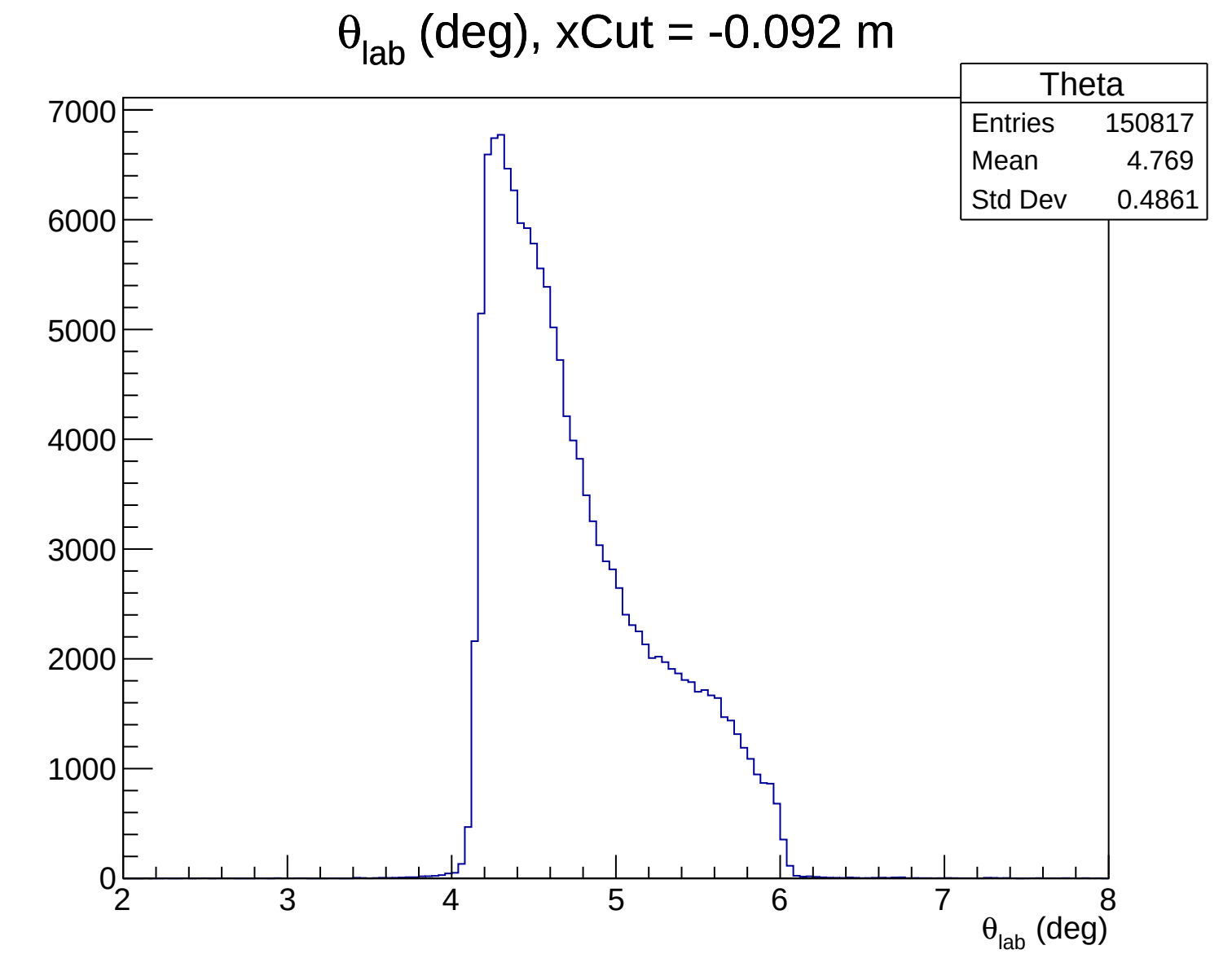

Sensitivity, xCut = -0.090 m
sens
Entries 147974
Mean 0.02208
Std Dev 0.004154
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

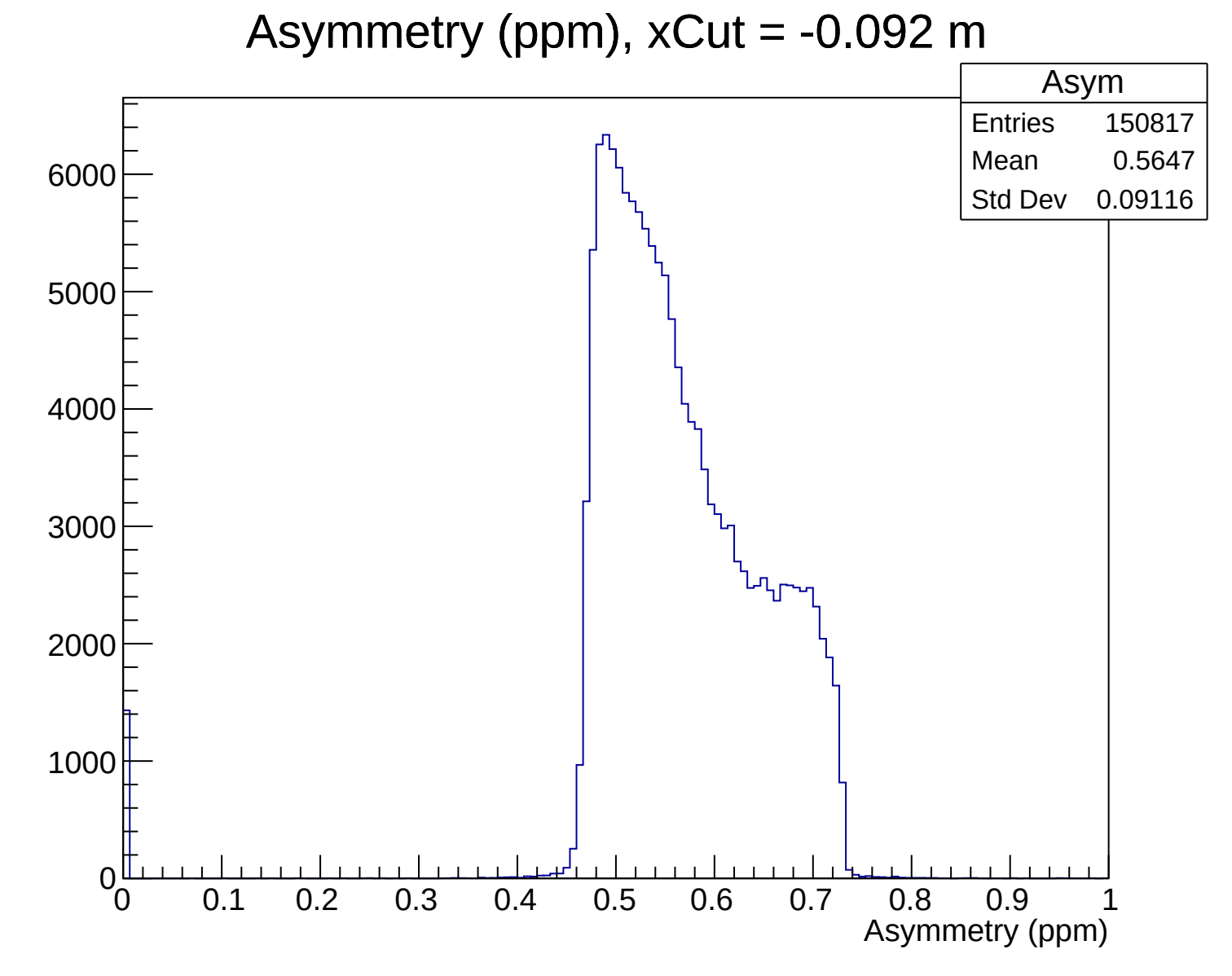

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

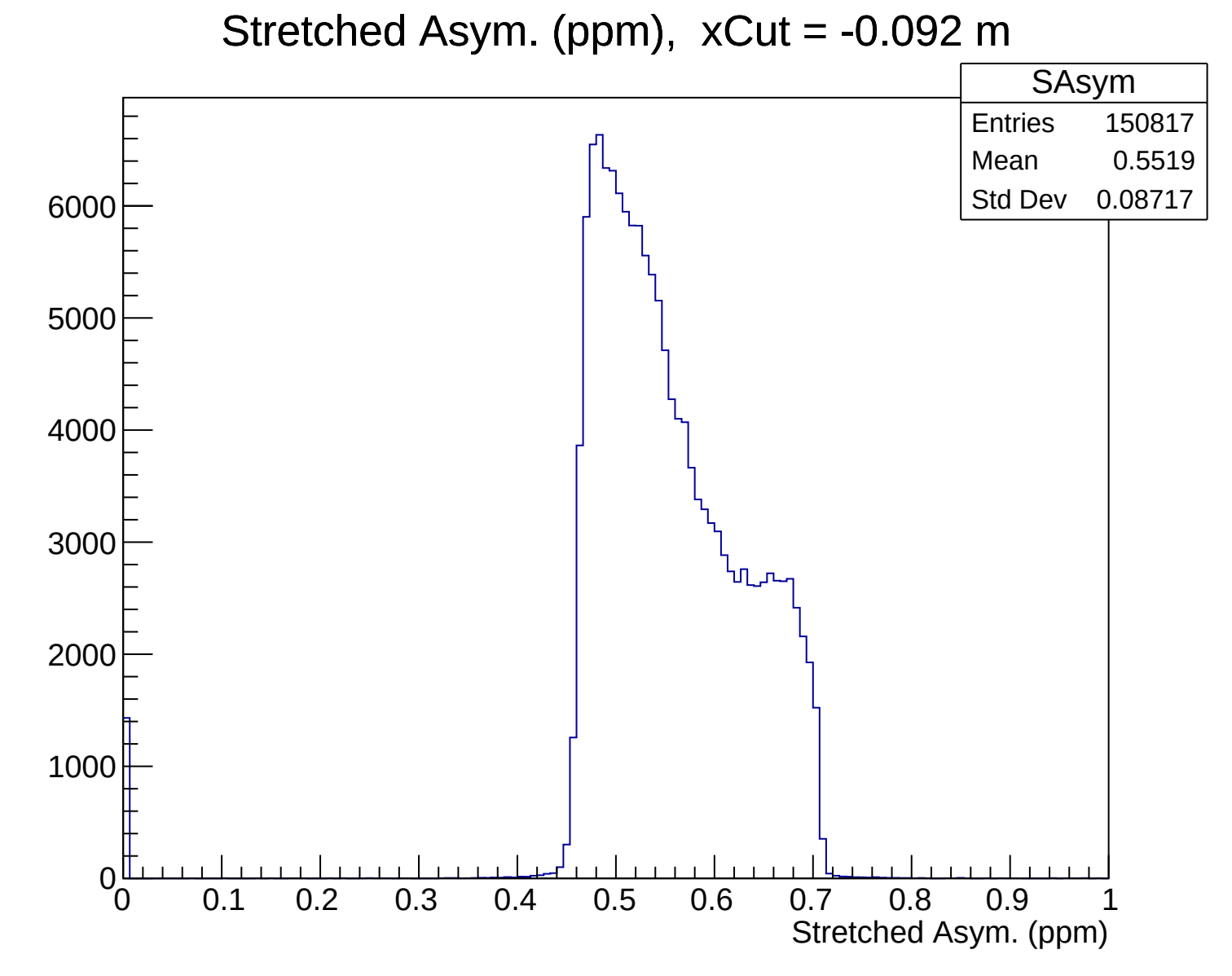

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

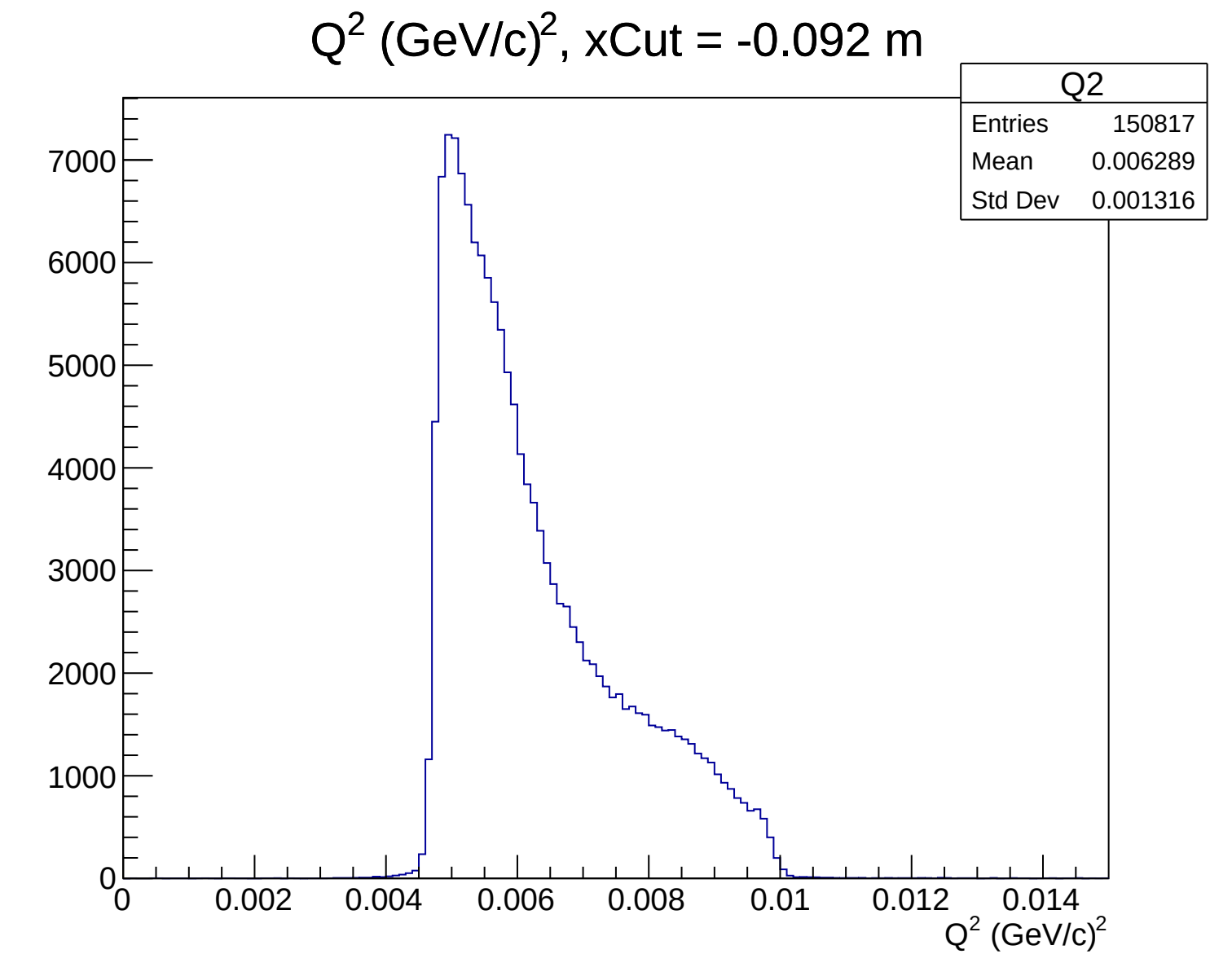

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.092
R.tr.x[0]+1.3*R.tr.th[0] (m)

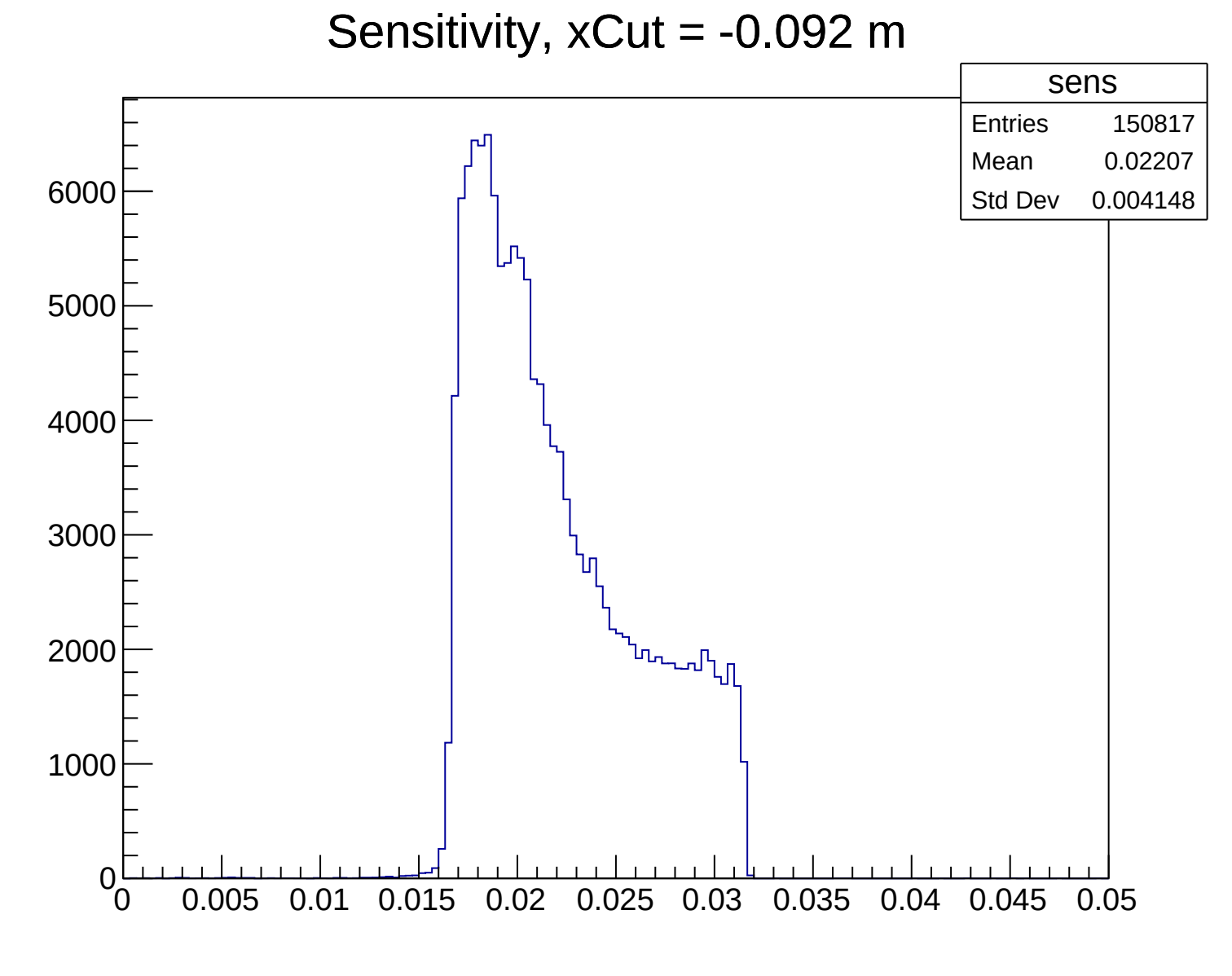

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

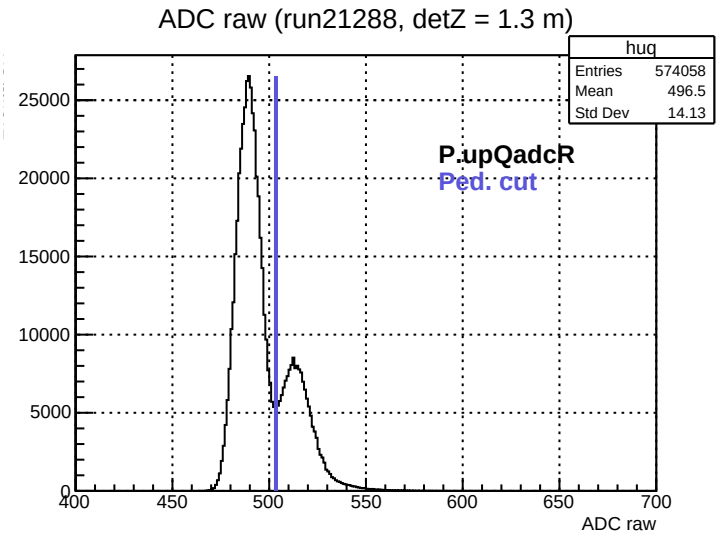

θlab (deg), xCut = -0.092 m
Theta
Entries 150817
Mean 4.769
Std Dev 0.4861
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

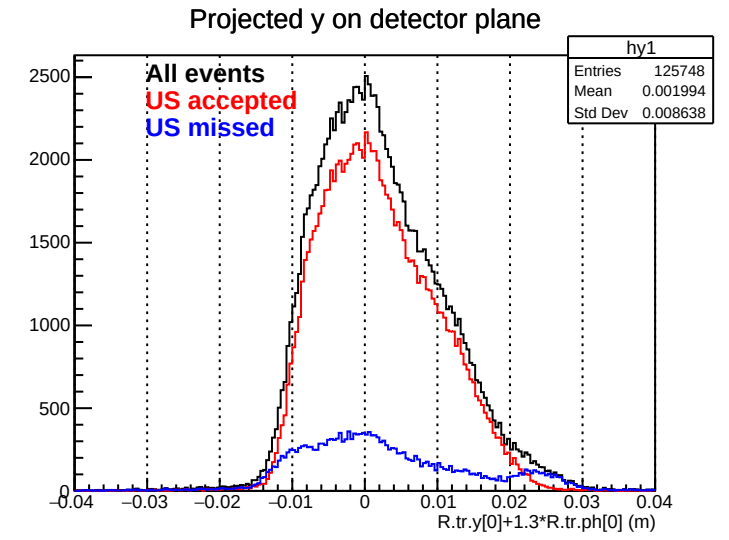

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 150817
Mean 0.5647
Std Dev 0.09116
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

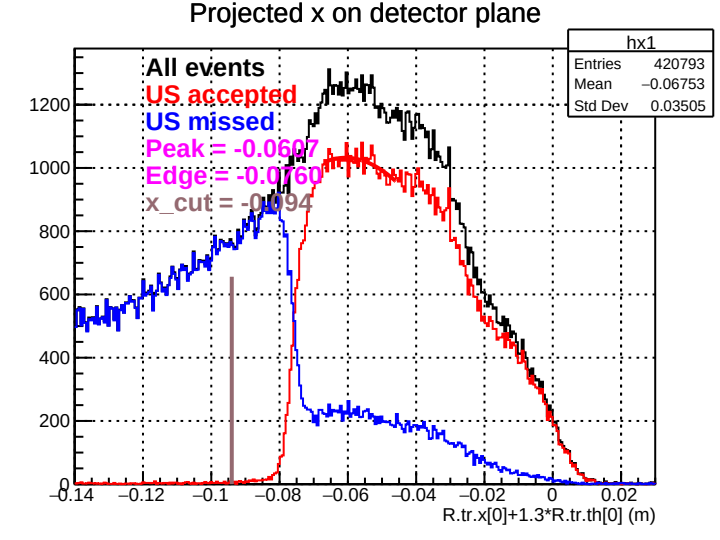

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 150817
Mean 0.5519
Std Dev 0.08717
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

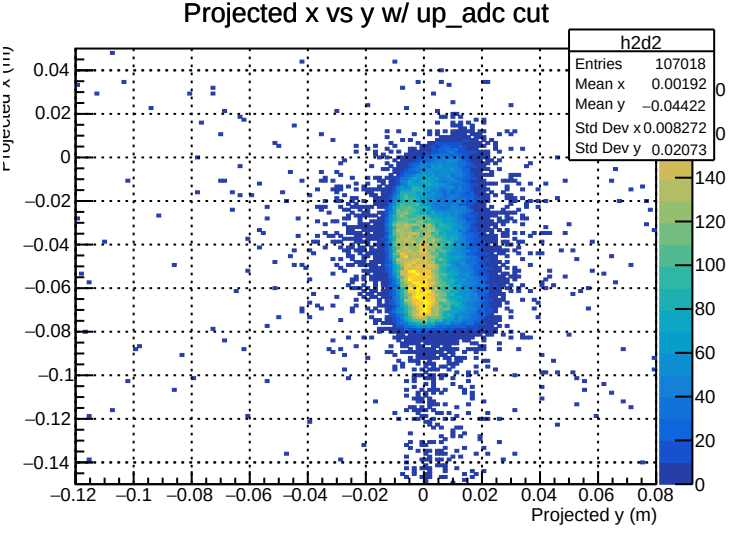

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 150817
Mean 0.006289
Std Dev 0.001316
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

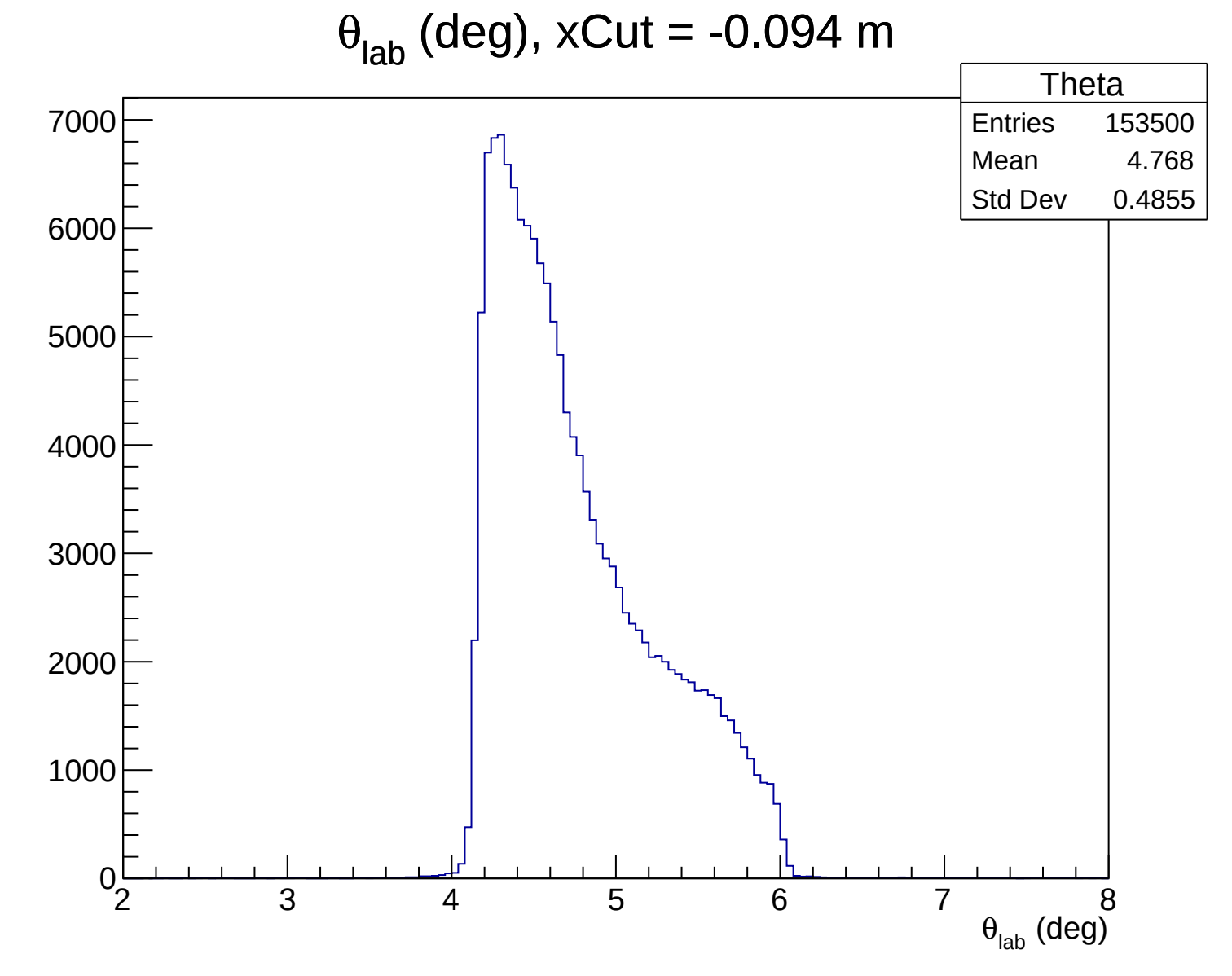

Sensitivity, xCut = -0.092 m
sens
Entries 150817
Mean 0.02207
Std Dev 0.004148
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

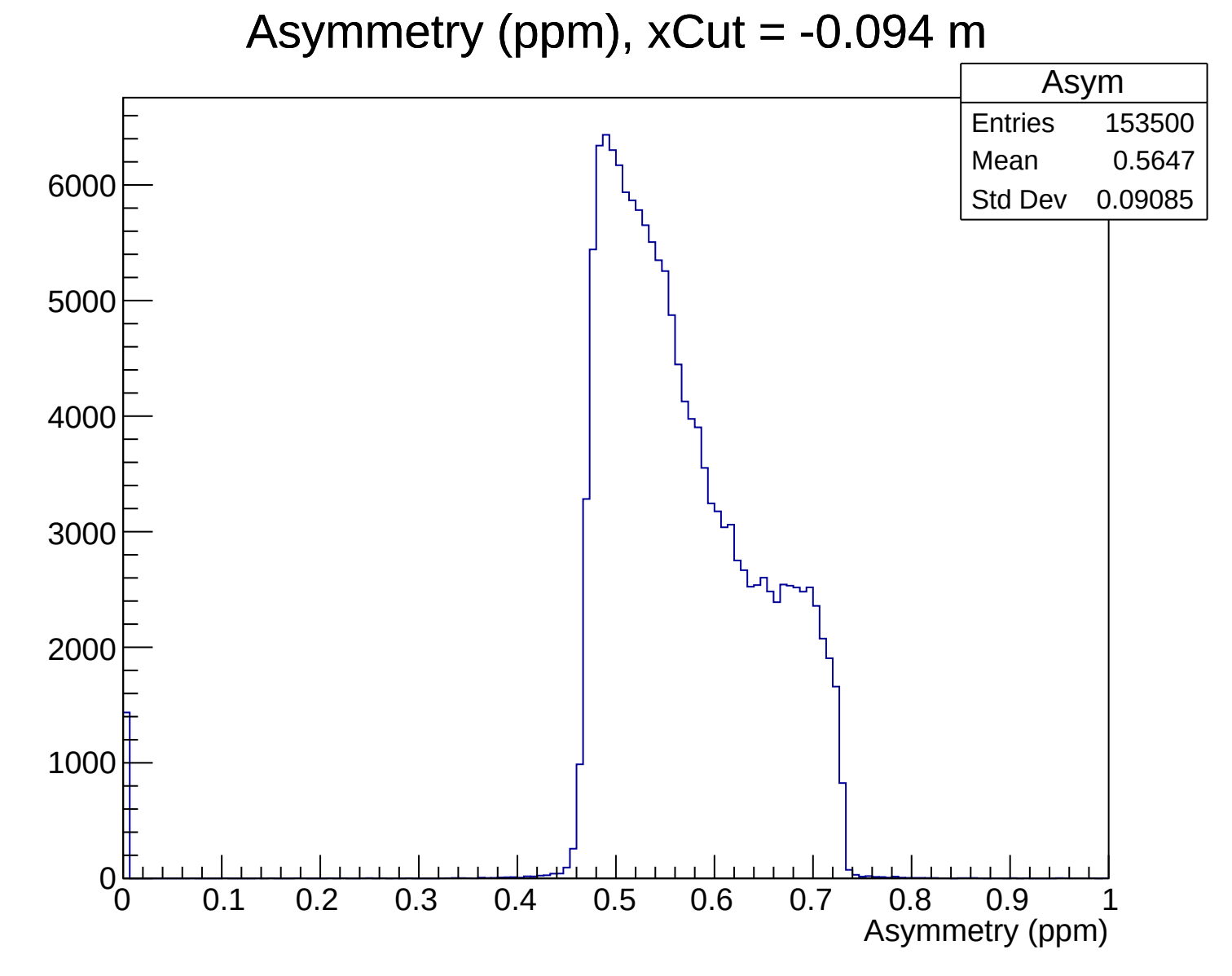

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

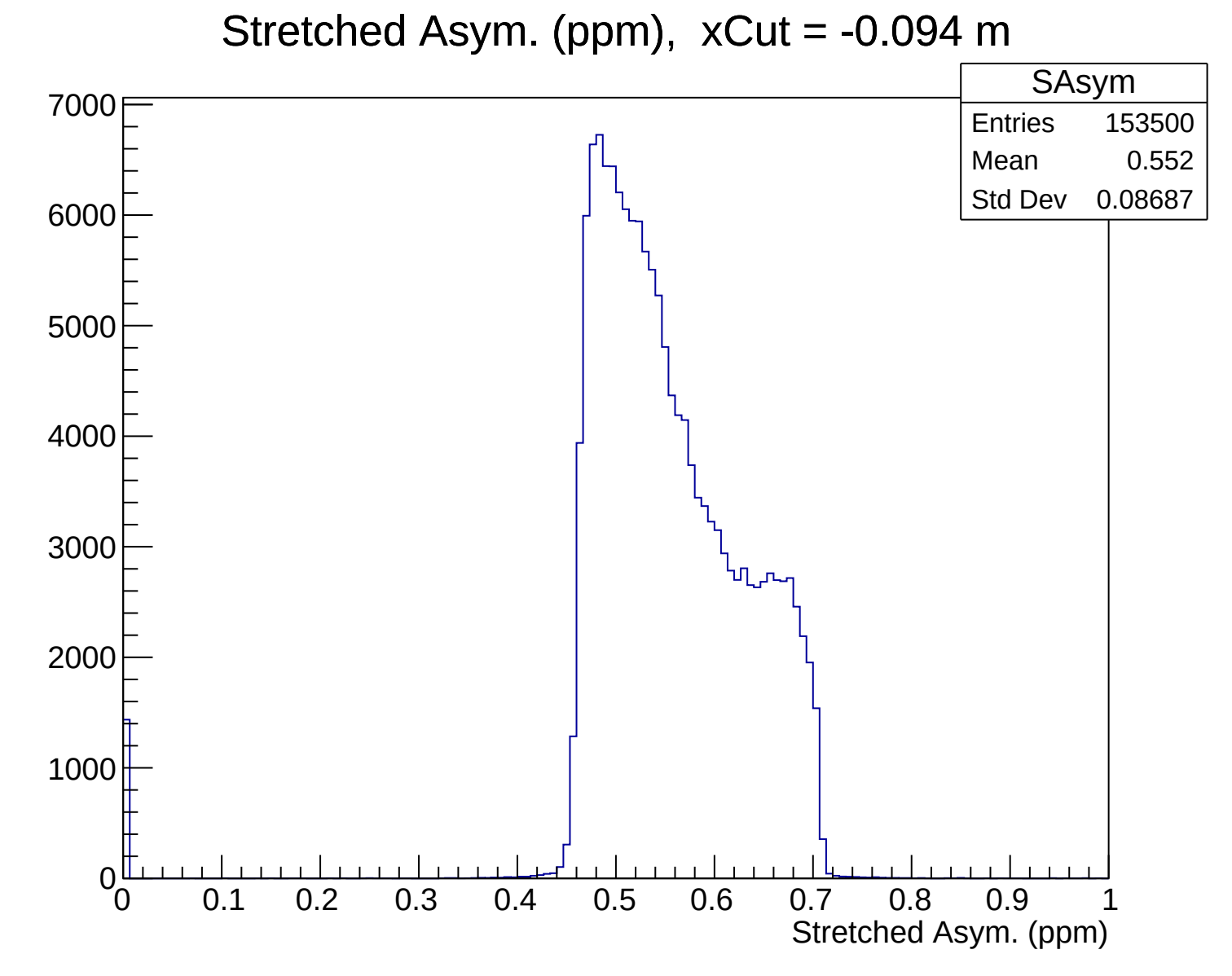

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

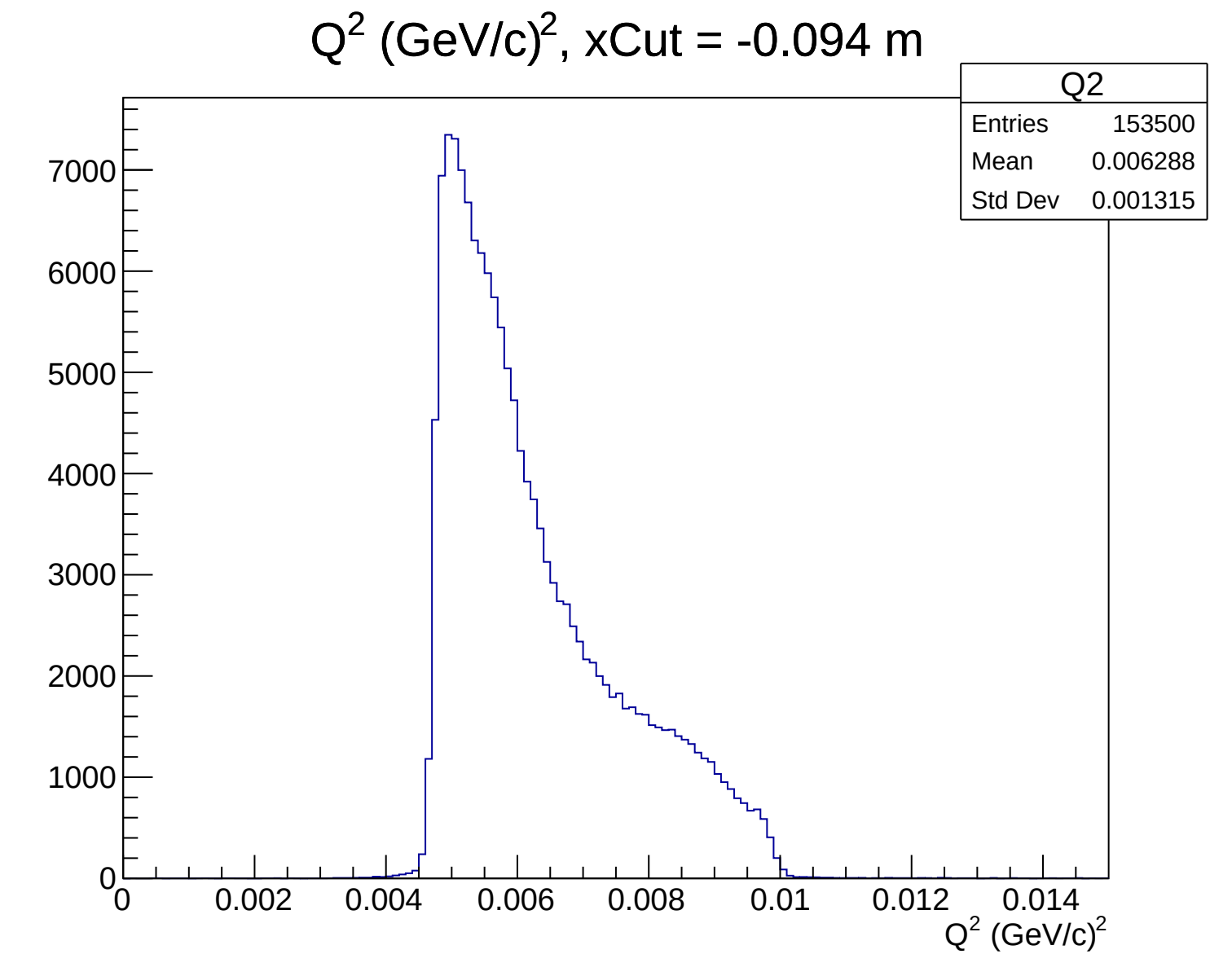

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.094
R.tr.x[0]+1.3*R.tr.th[0] (m)

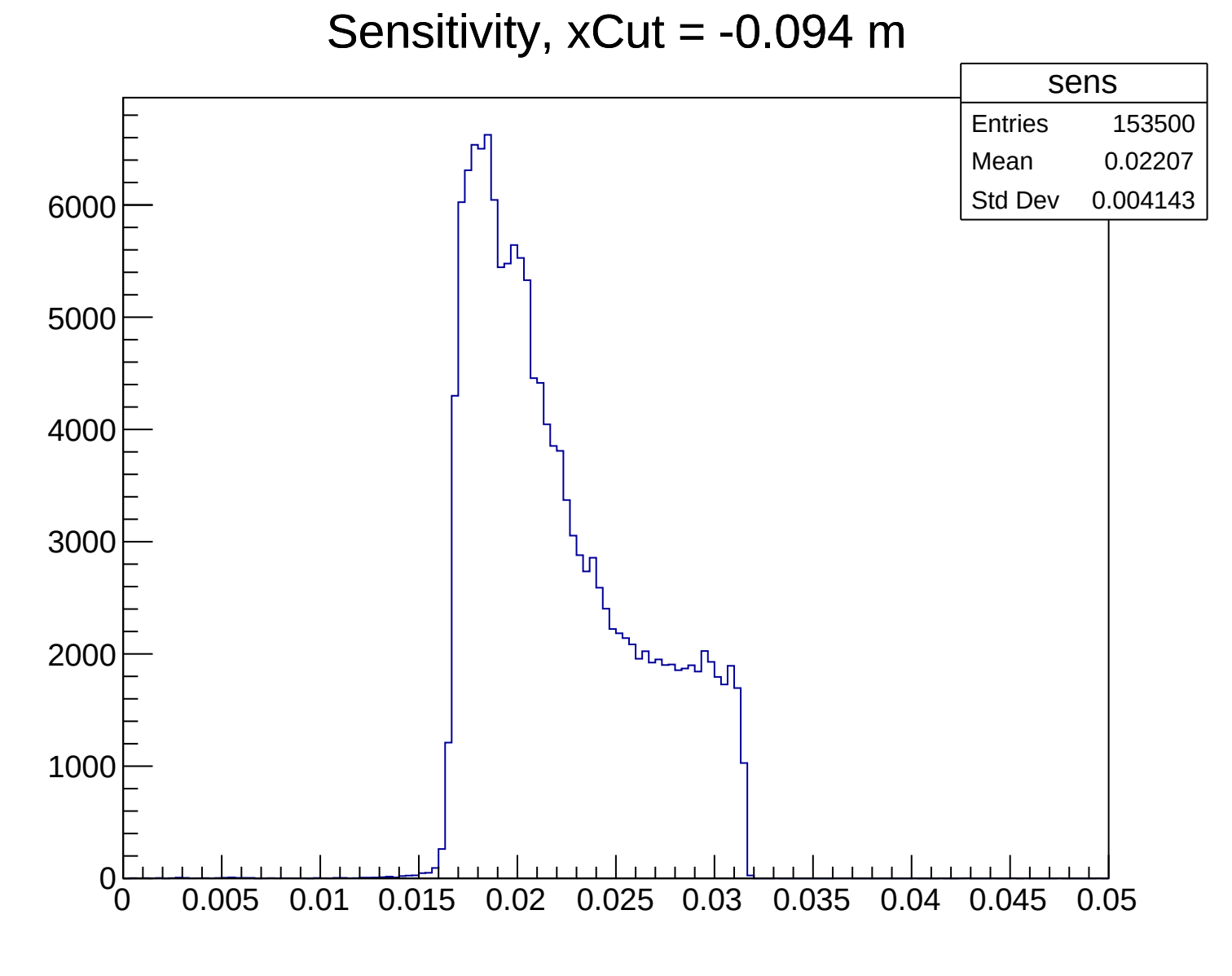

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

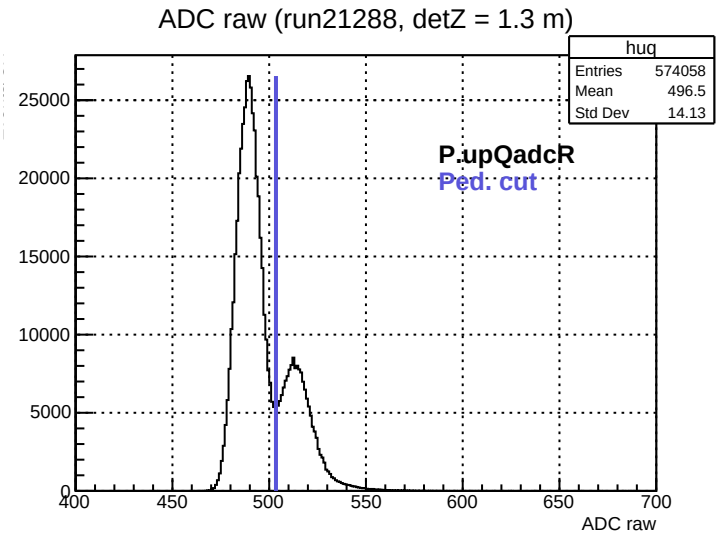

θlab (deg), xCut = -0.094 m
Theta
Entries 153500
Mean 4.768
Std Dev 0.4855
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

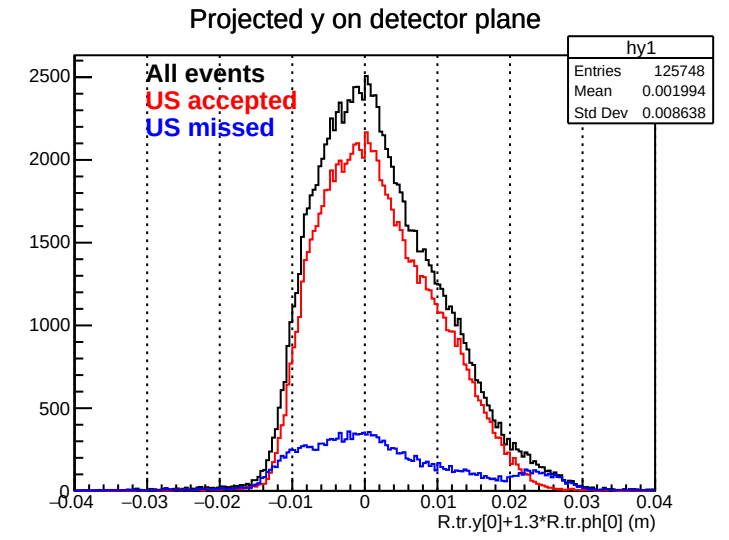

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 153500
Mean 0.5647
Std Dev 0.09085
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

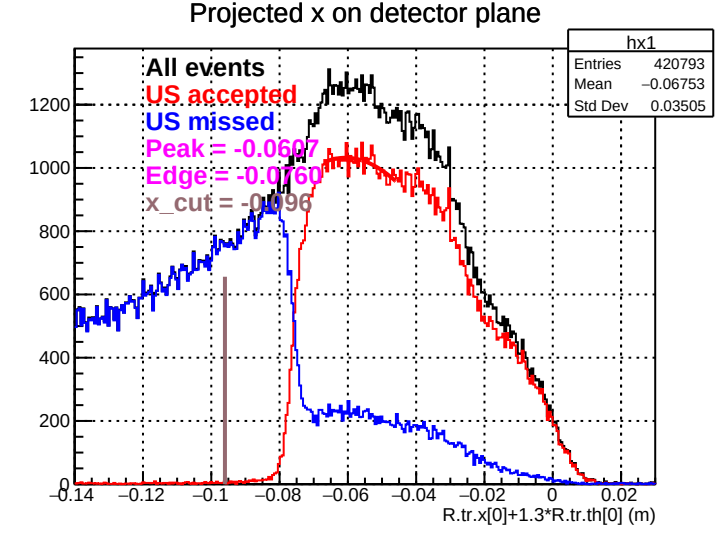

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 153500
Mean 0.552
Std Dev 0.08687
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

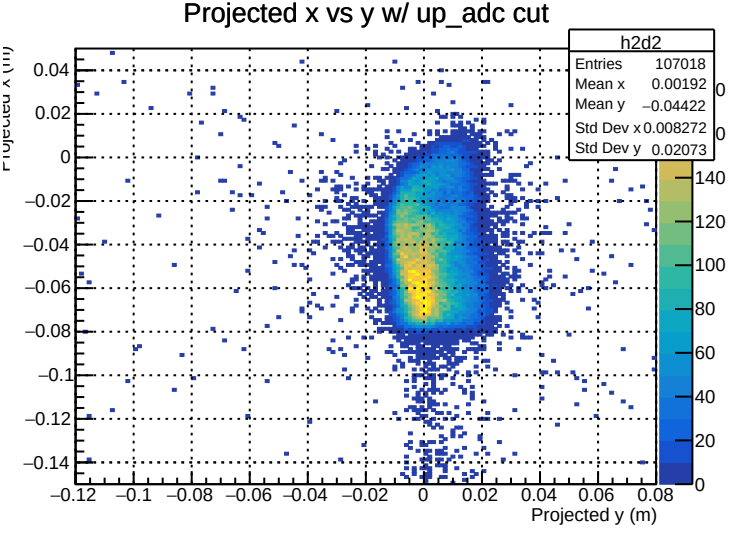

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 153500
Mean 0.006288
Std Dev 0.001315
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

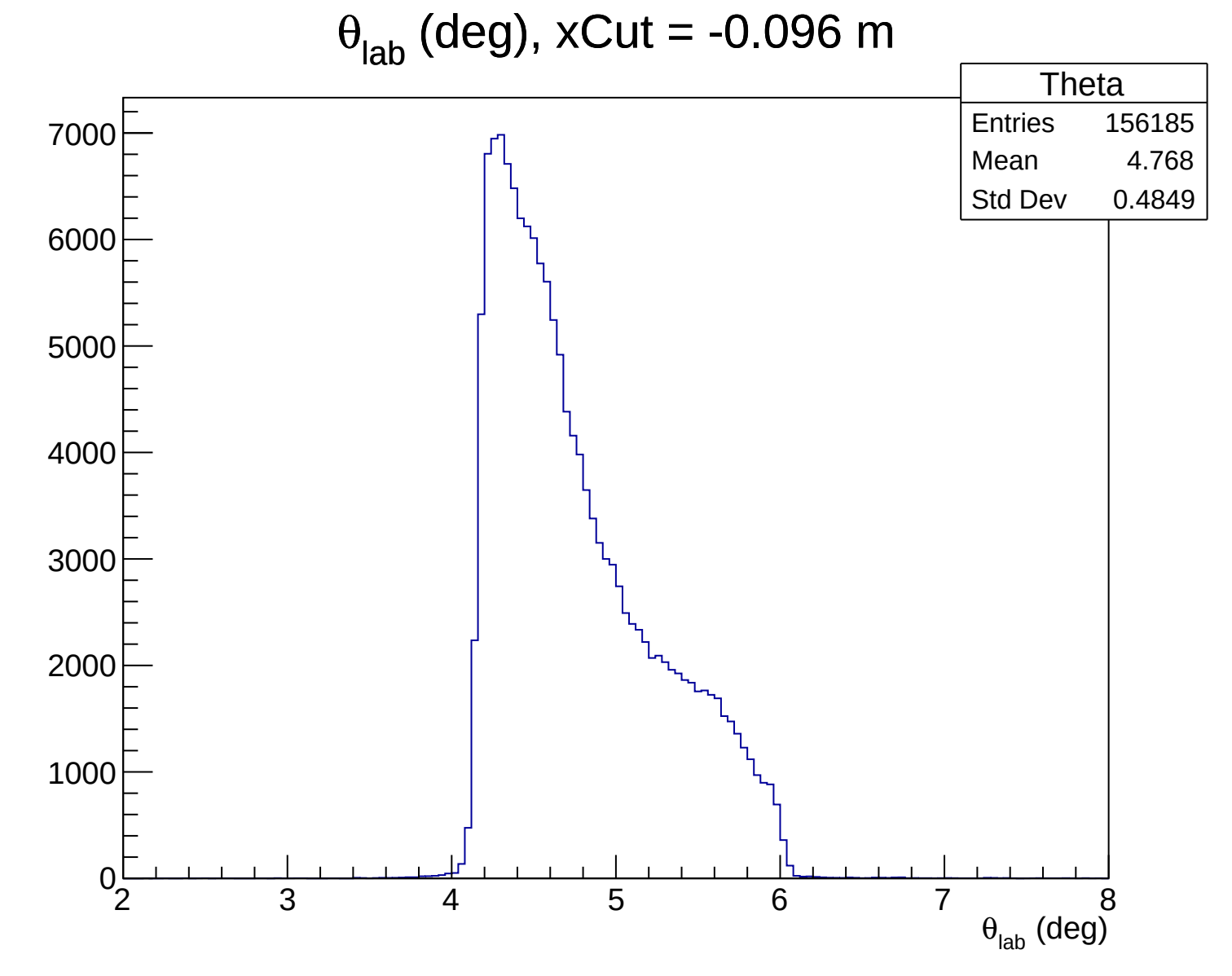

Sensitivity, xCut = -0.094 m
sens
Entries 153500
Mean 0.02207
Std Dev 0.004143
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

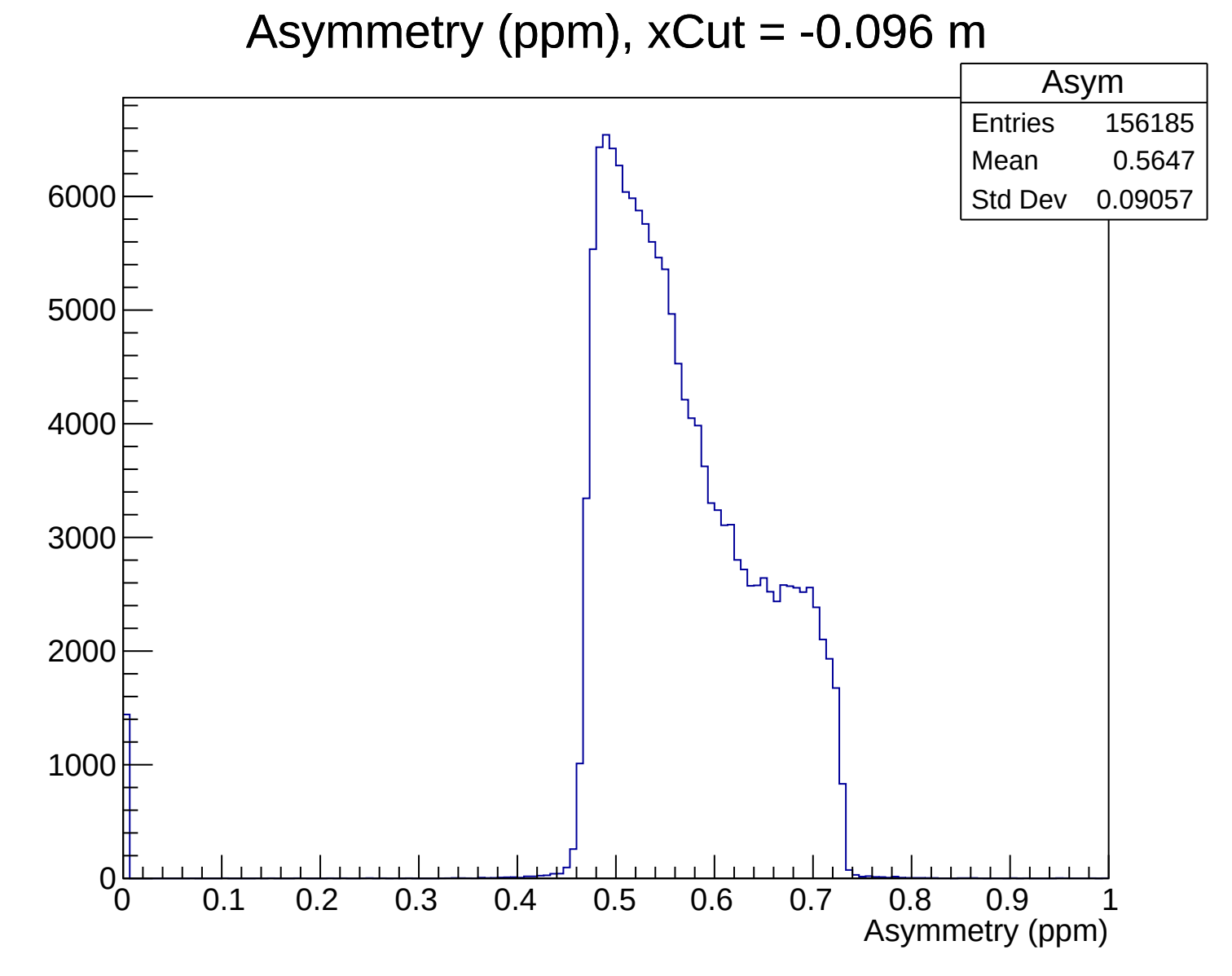

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

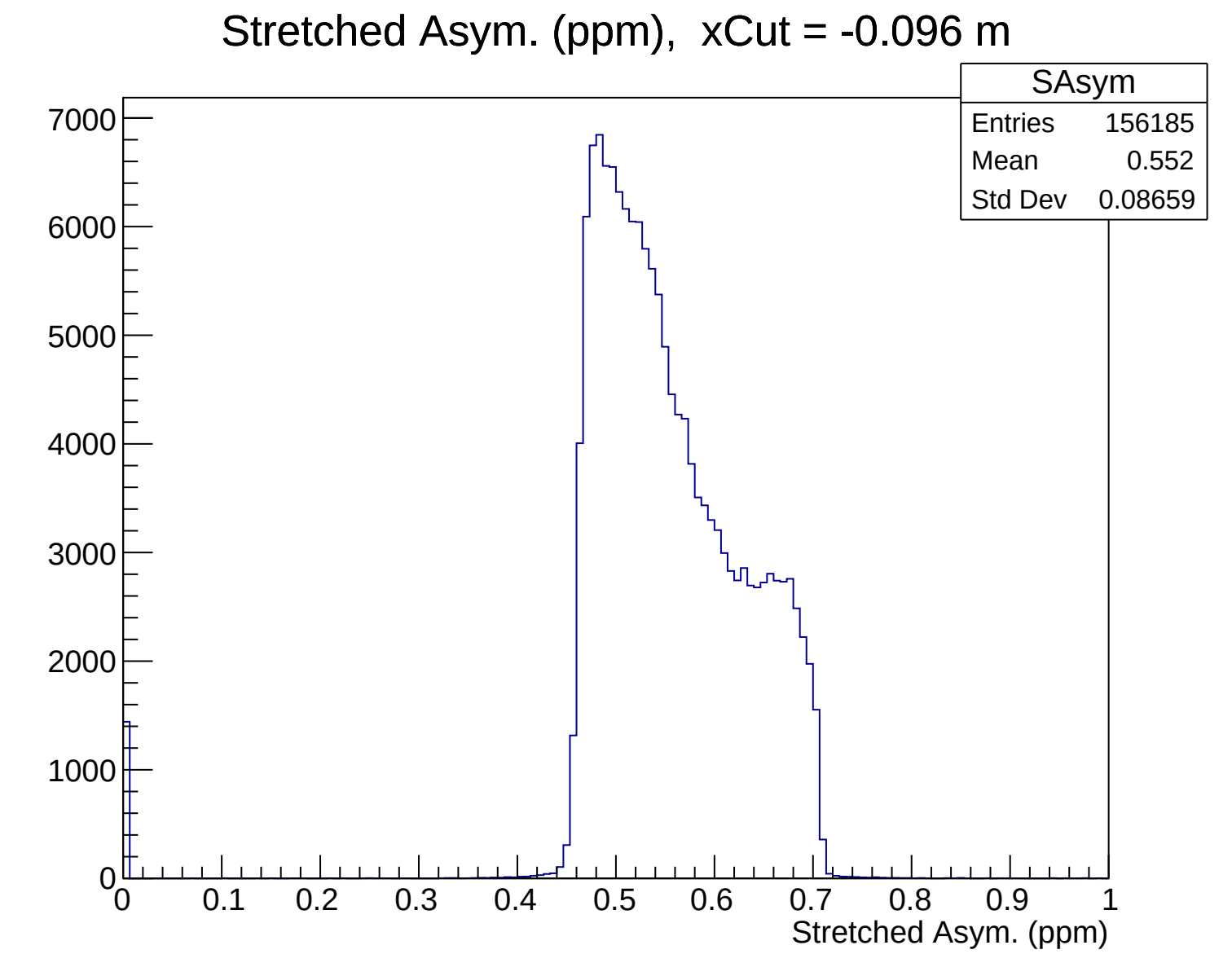

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

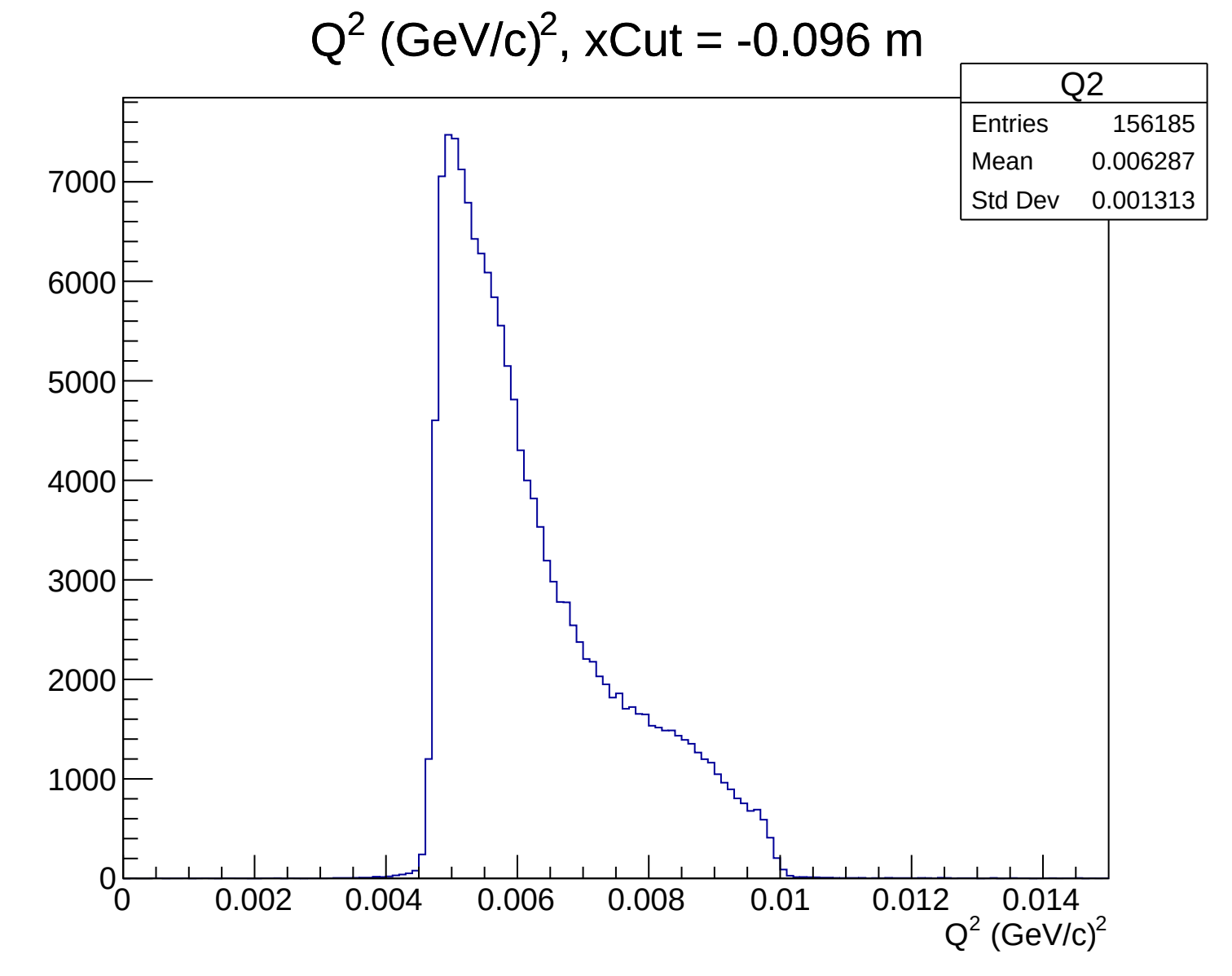

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.096
R.tr.x[0]+1.3*R.tr.th[0] (m)

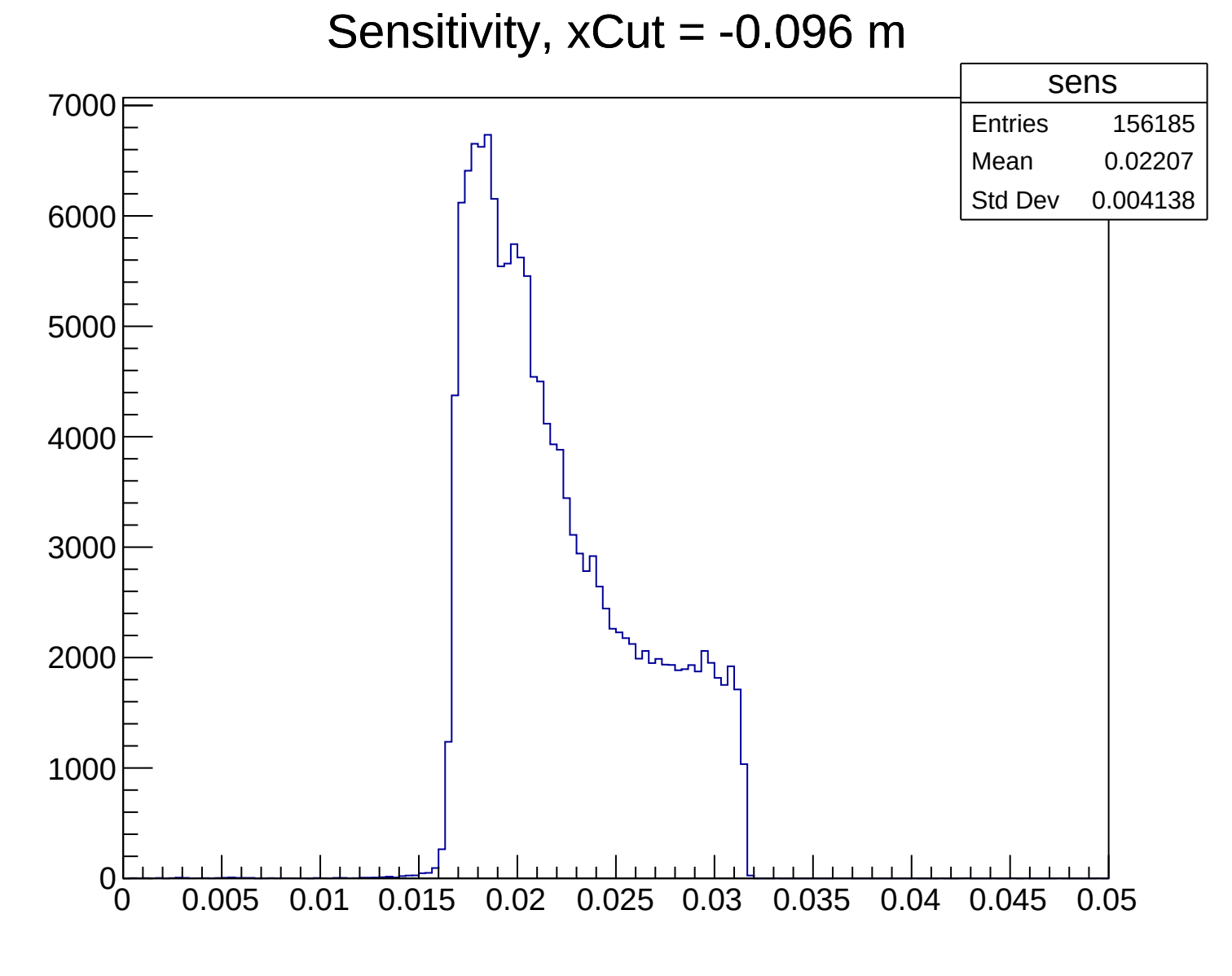

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

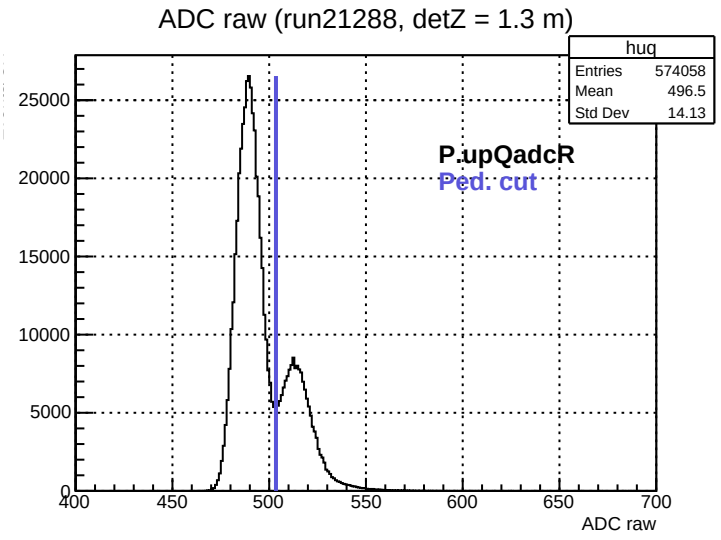

θlab (deg), xCut = -0.096 m
Theta
Entries 156185
Mean 4.768
Std Dev 0.4849
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

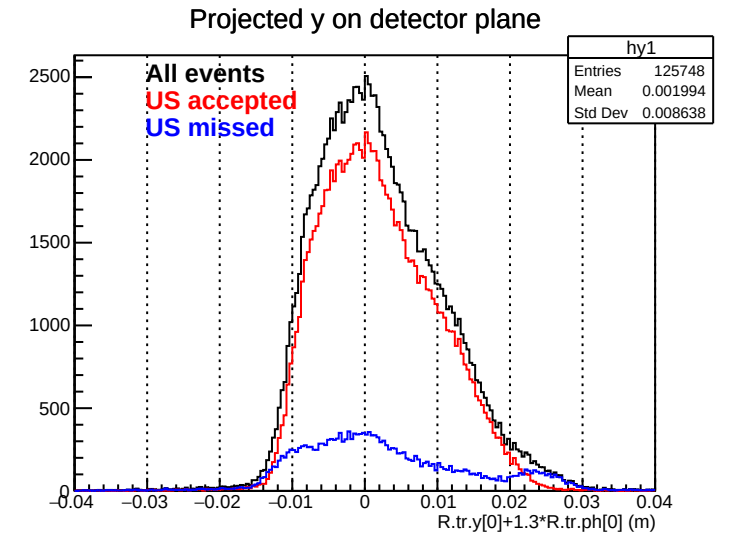

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 156185
Mean 0.5647
Std Dev 0.09057
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

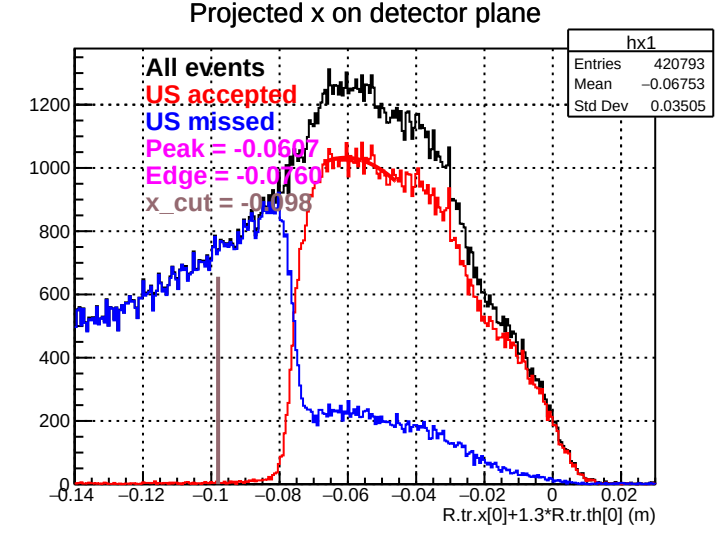

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 156185
Mean 0.552
Std Dev 0.08659
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

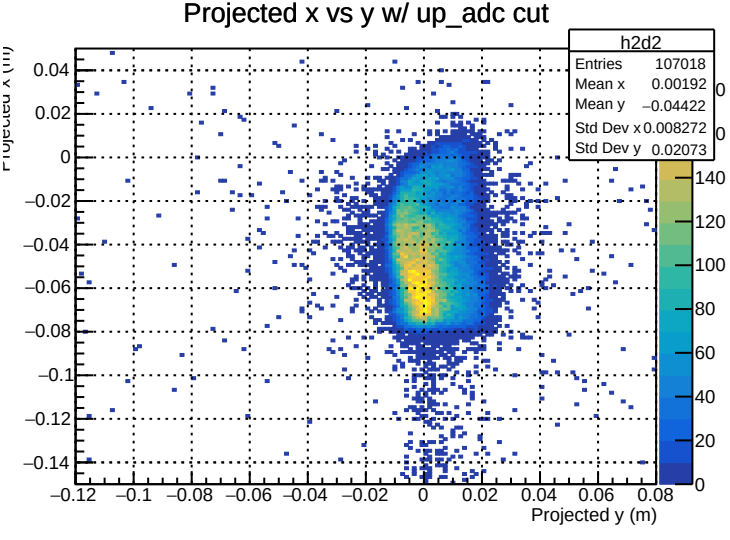

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 156185
Mean 0.006287
Std Dev 0.001313
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

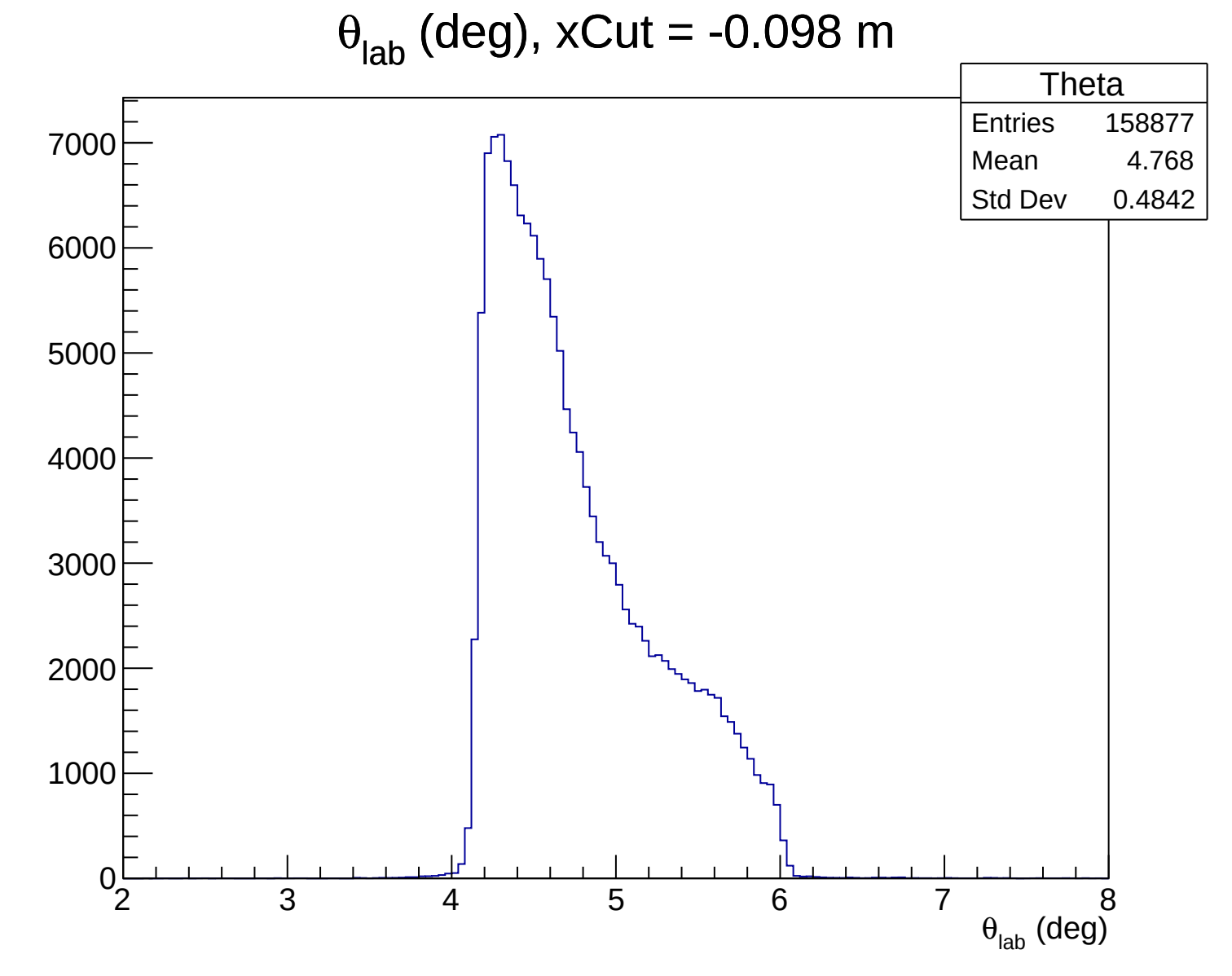

Sensitivity, xCut = -0.096 m
sens
Entries 156185
Mean 0.02207
Std Dev 0.004138
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

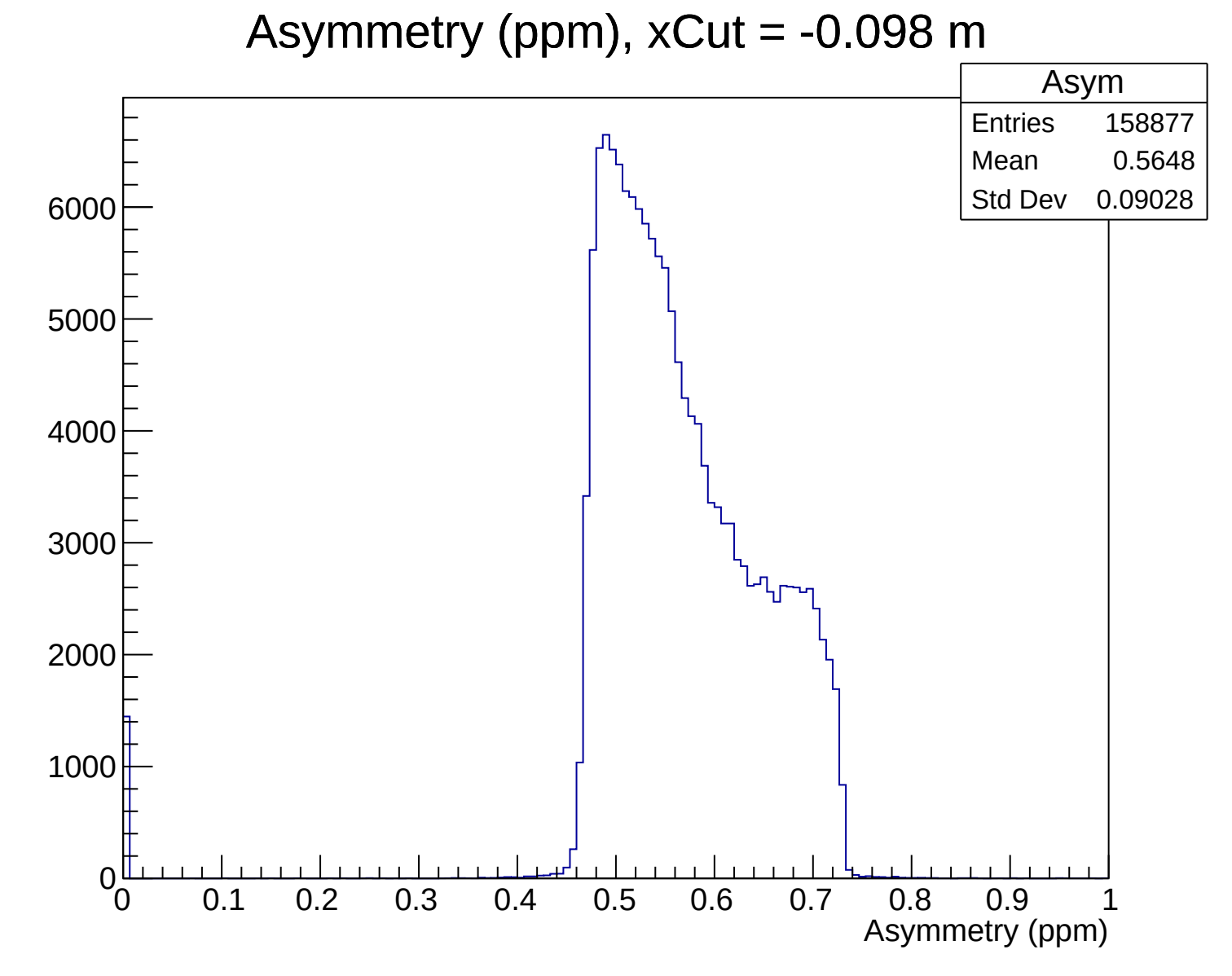

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

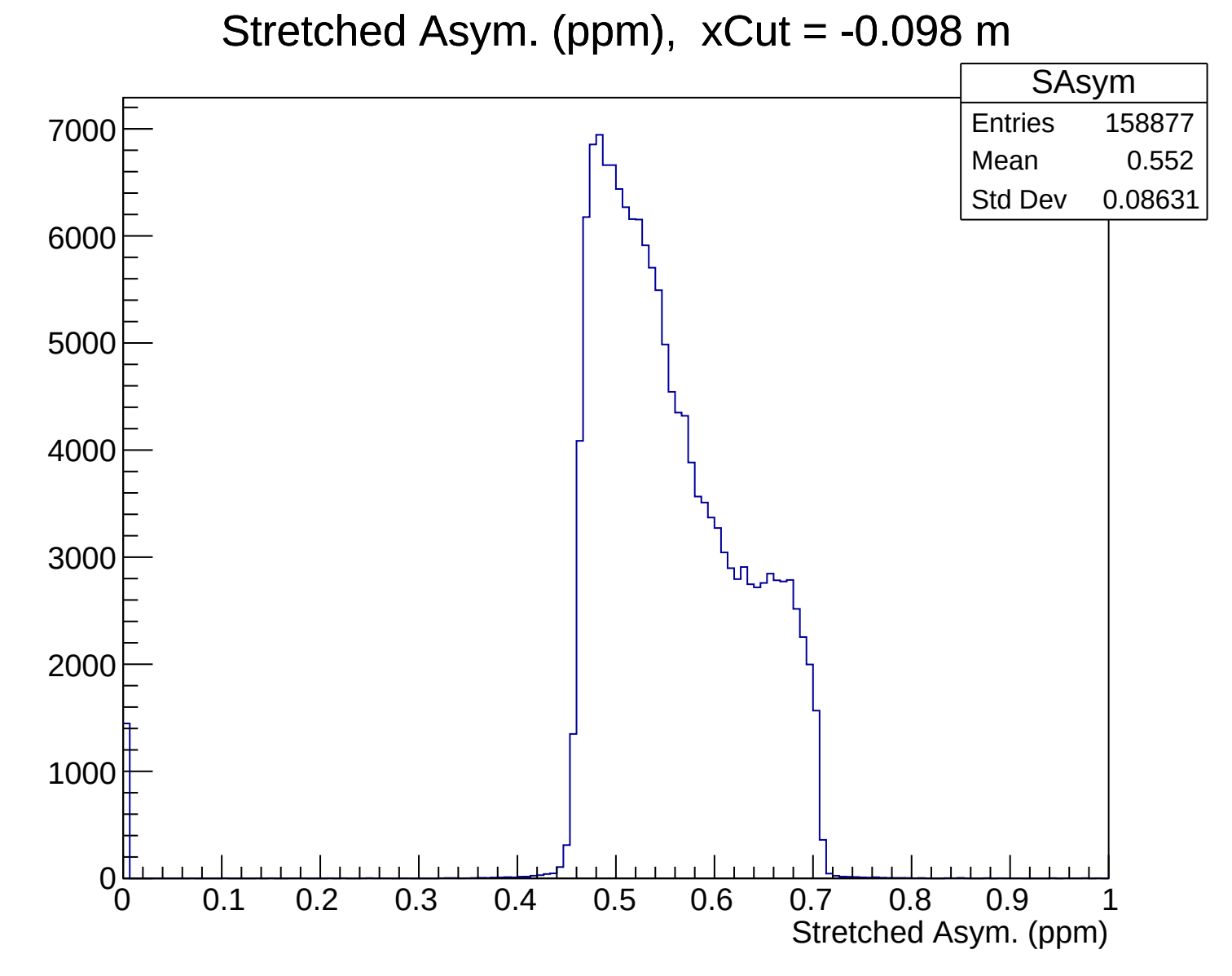

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

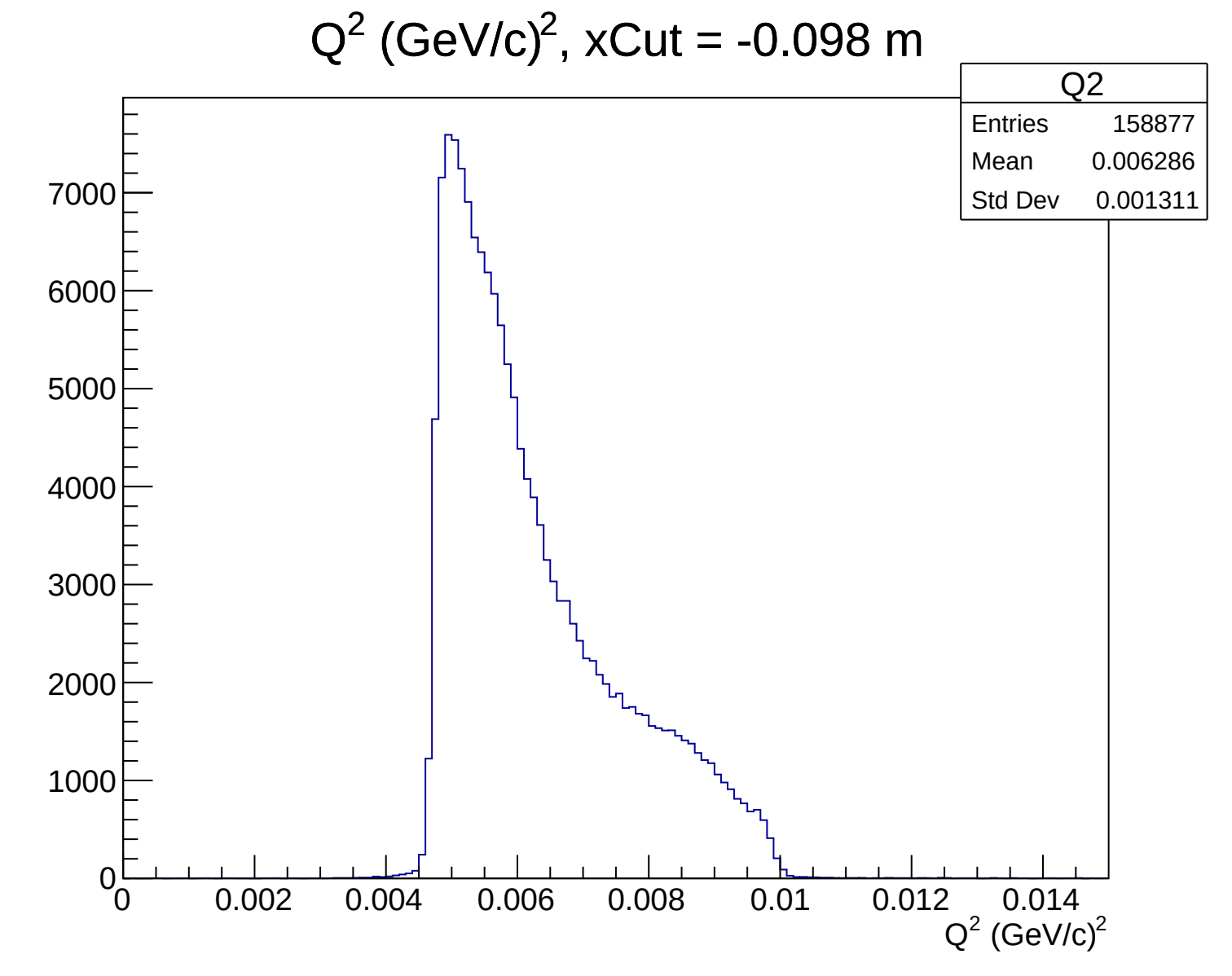

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.098
R.tr.x[0]+1.3*R.tr.th[0] (m)

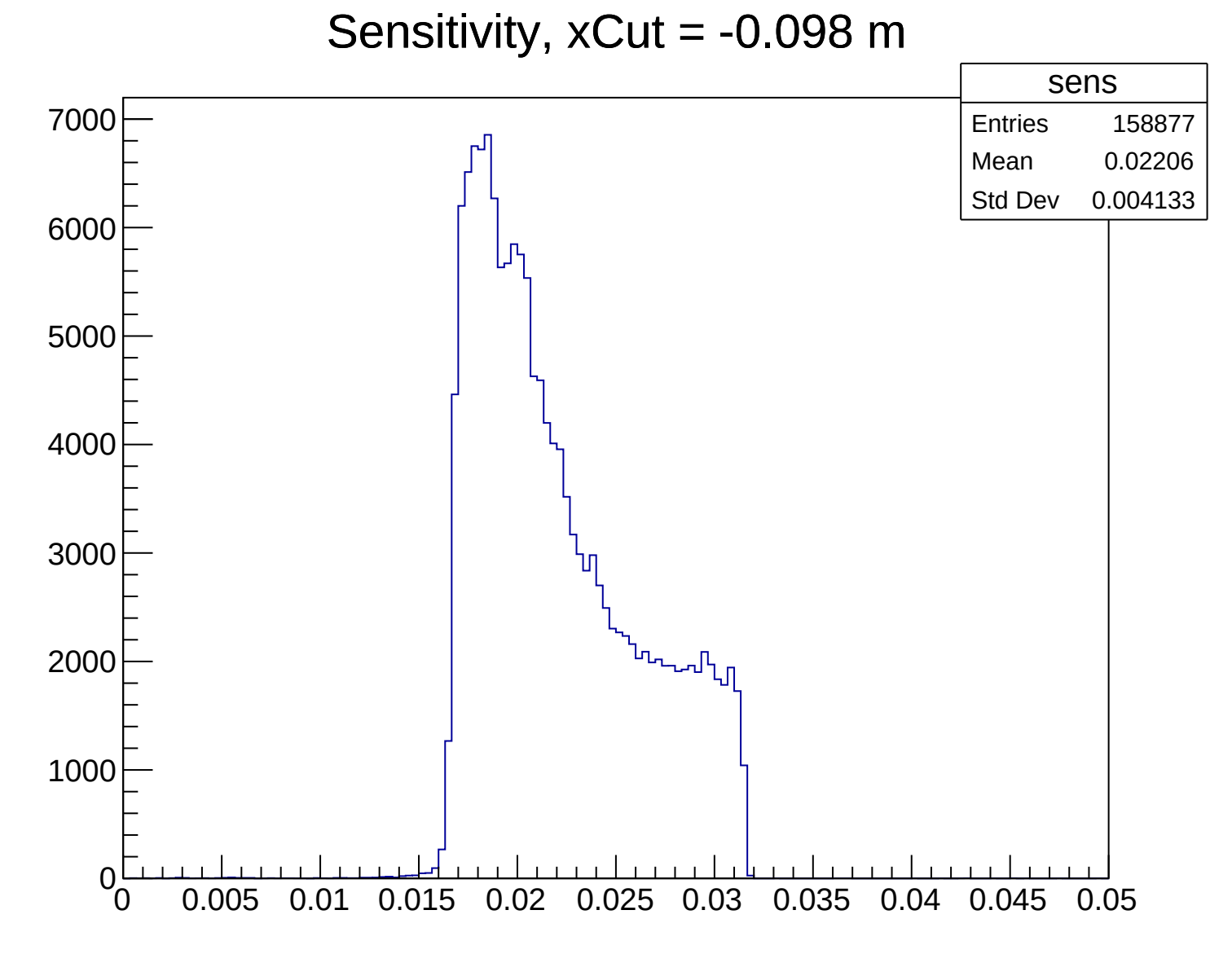

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

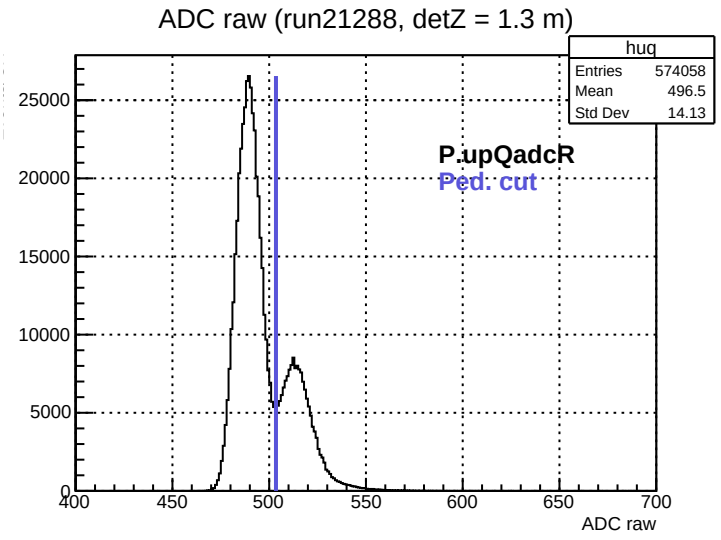

θlab (deg), xCut = -0.098 m
Theta
Entries 158877
Mean 4.768
Std Dev 0.4842
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

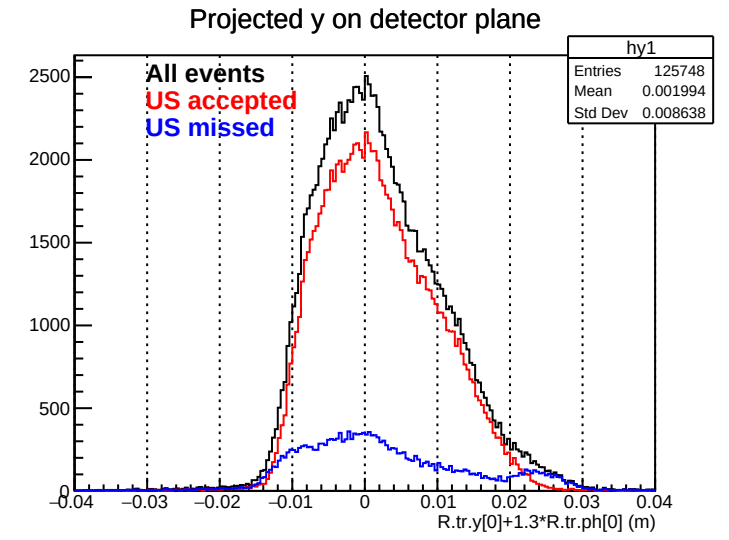

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 158877
Mean 0.5648
Std Dev 0.09028
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

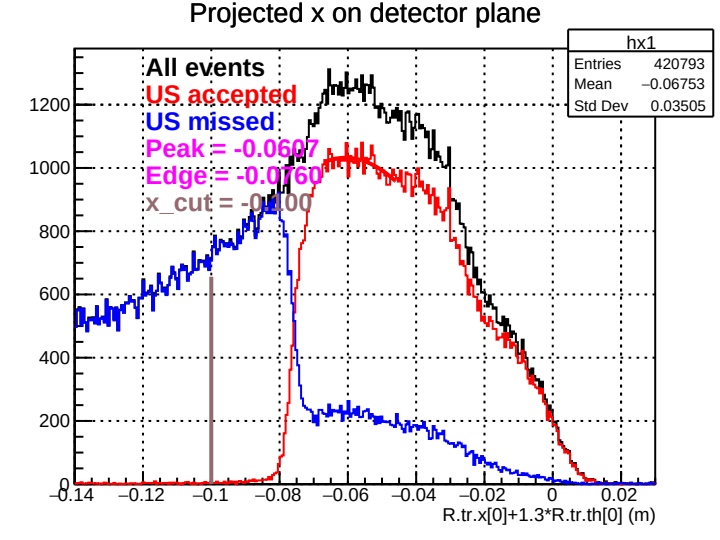

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 158877
Mean 0.552
Std Dev 0.08631
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

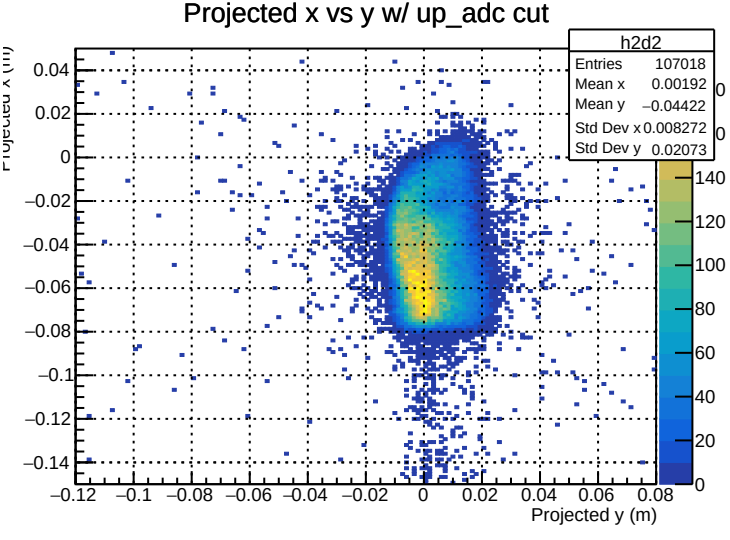

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 158877
Mean 0.006286
Std Dev 0.001311
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

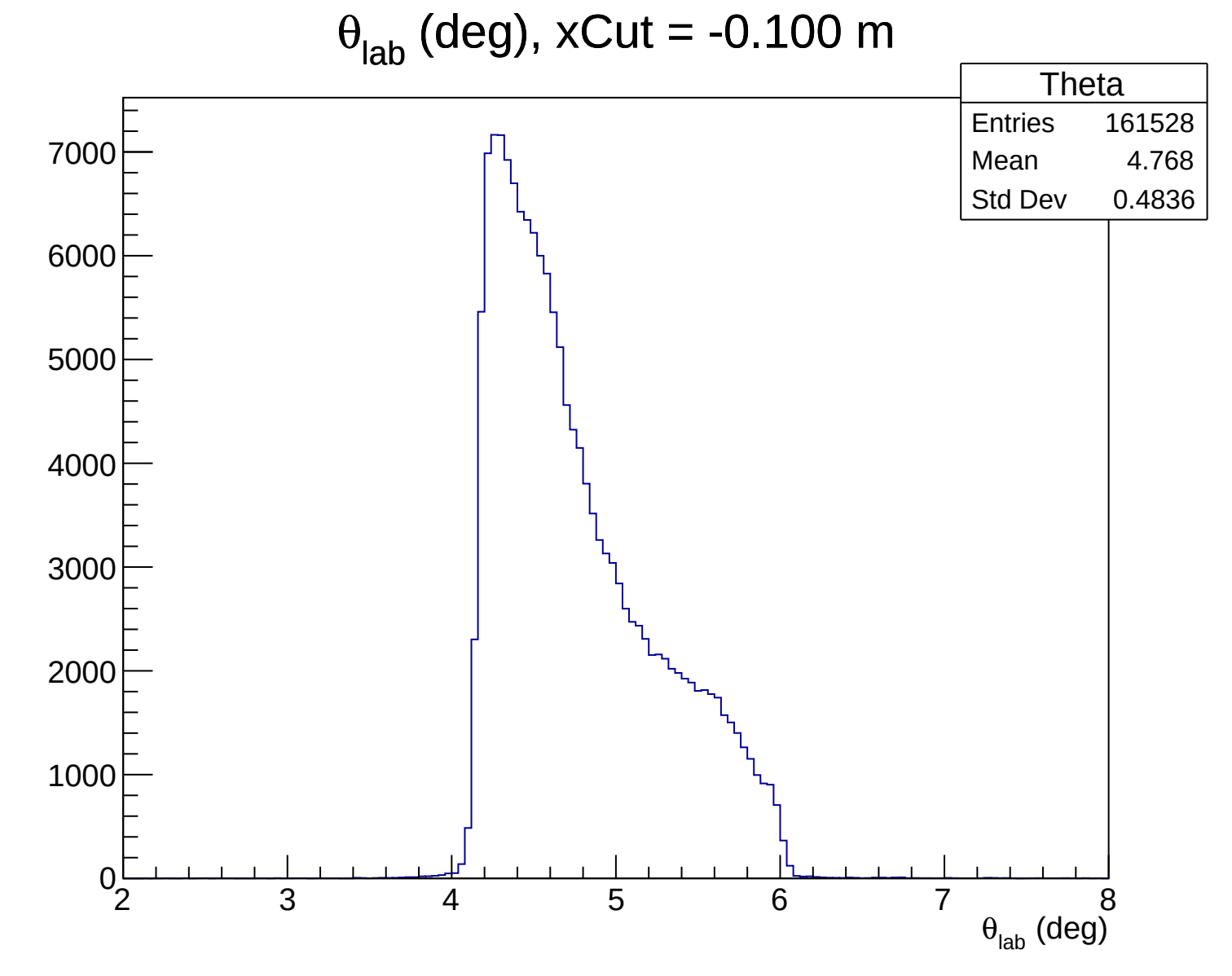

Sensitivity, xCut = -0.098 m
sens
Entries 158877
Mean 0.02206
Std Dev 0.004133
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

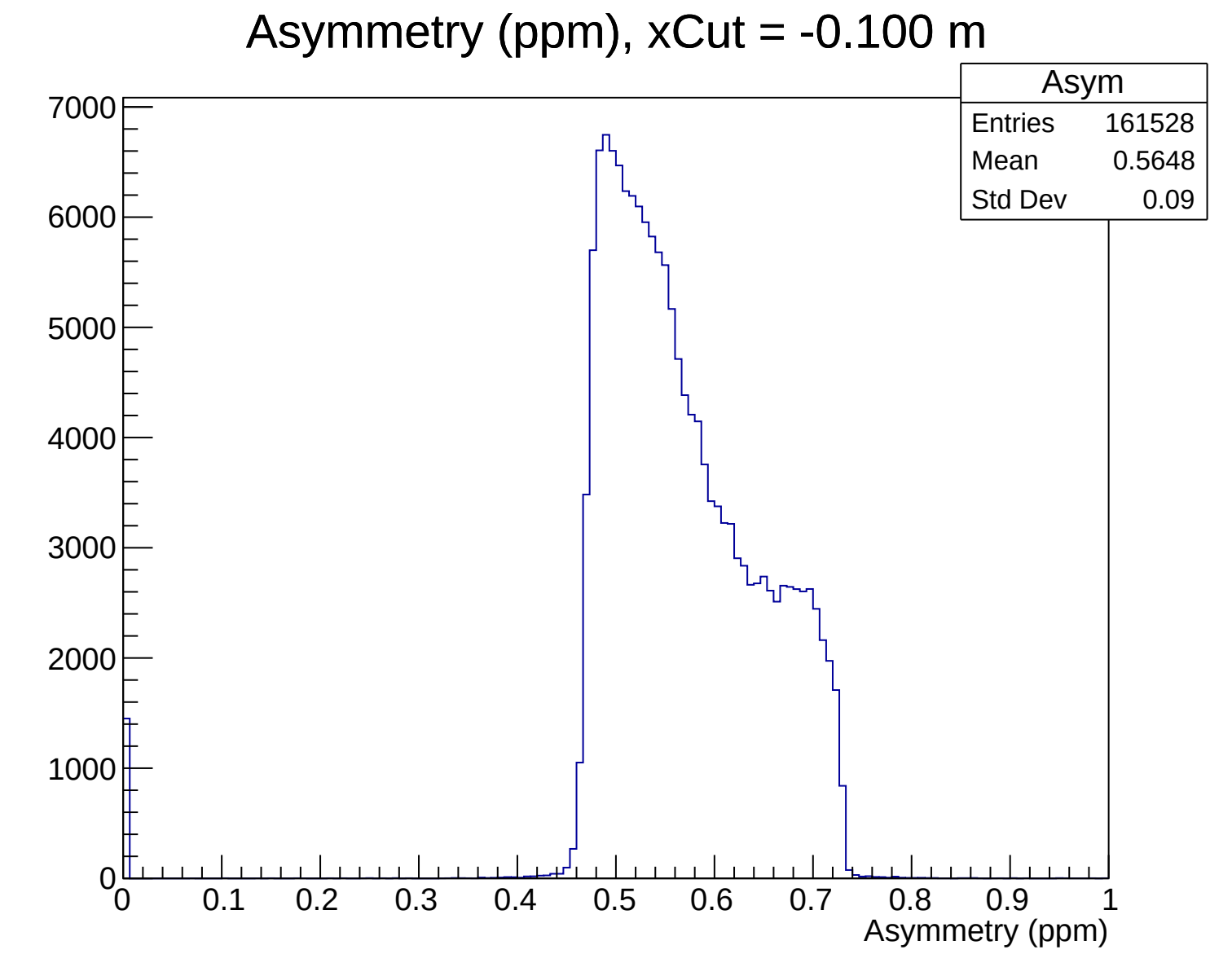

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

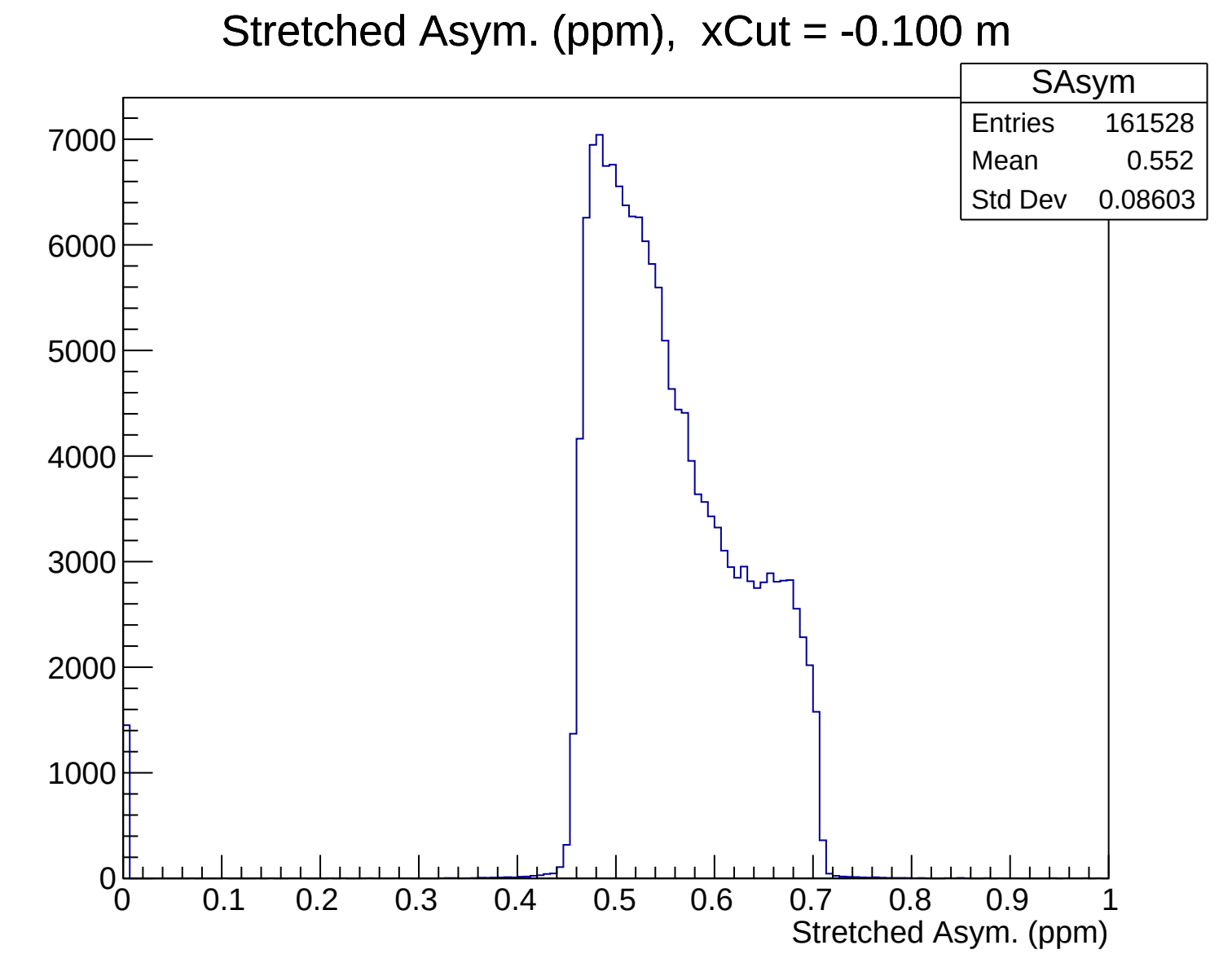

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

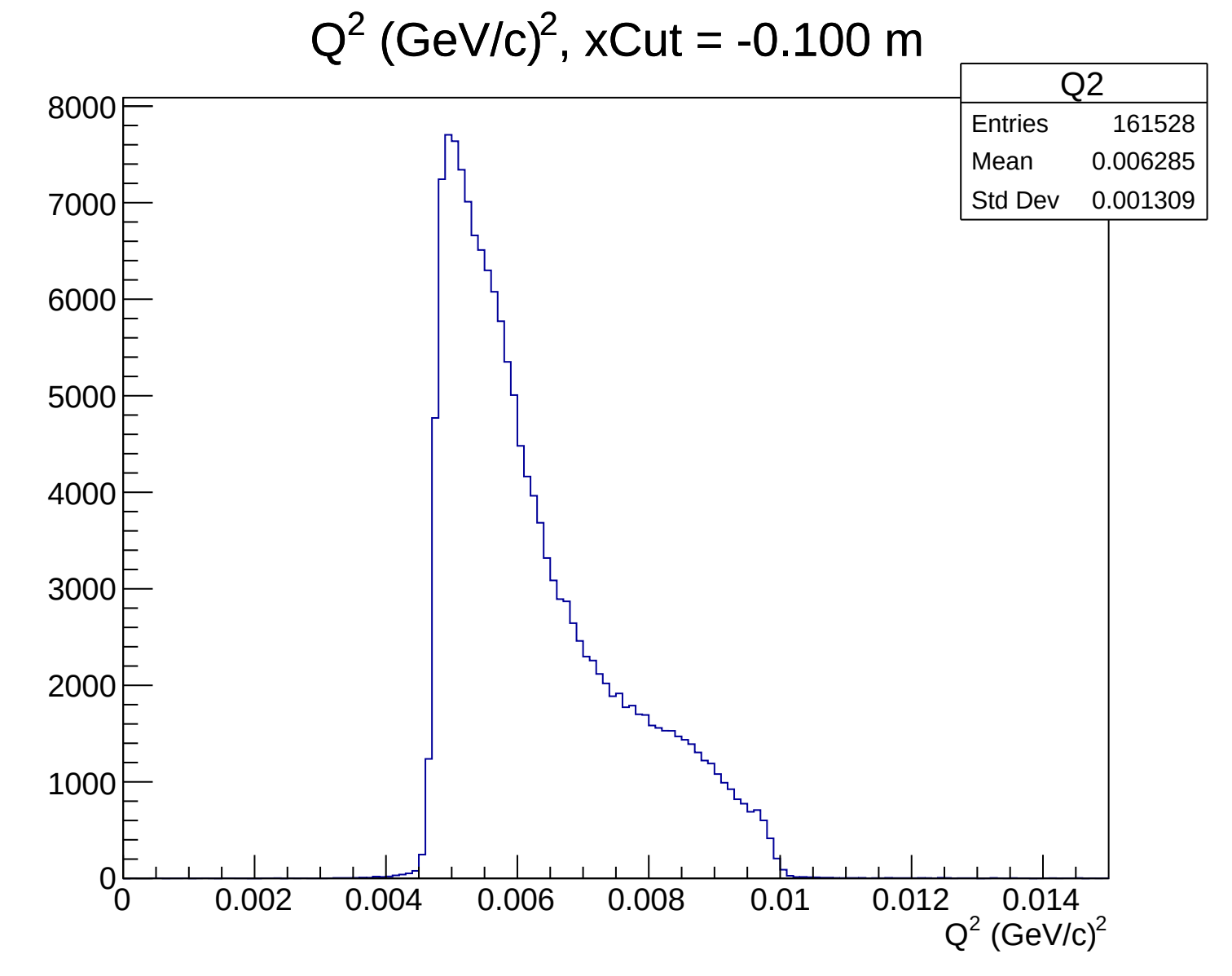

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.100
R.tr.x[0]+1.3*R.tr.th[0] (m)

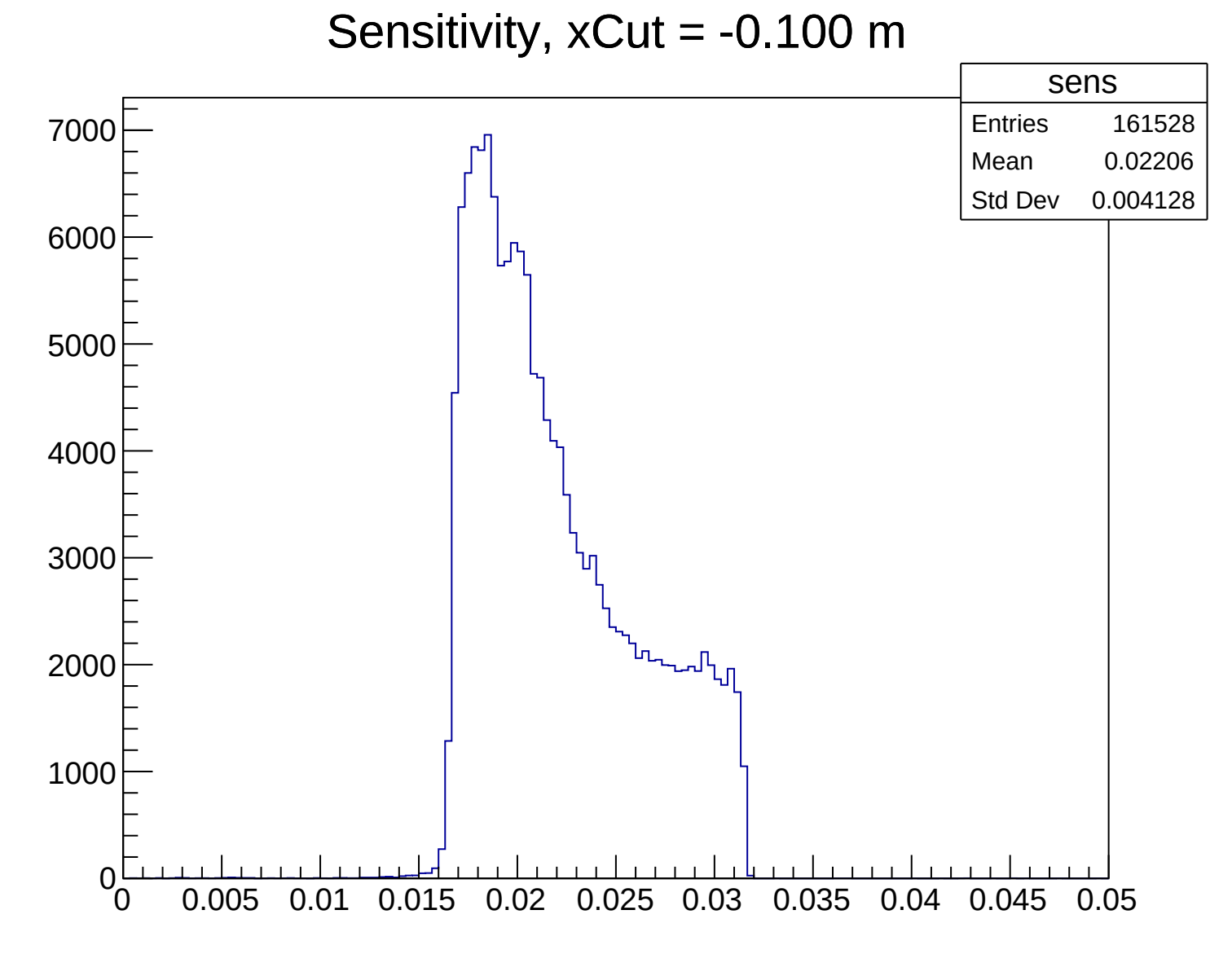

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

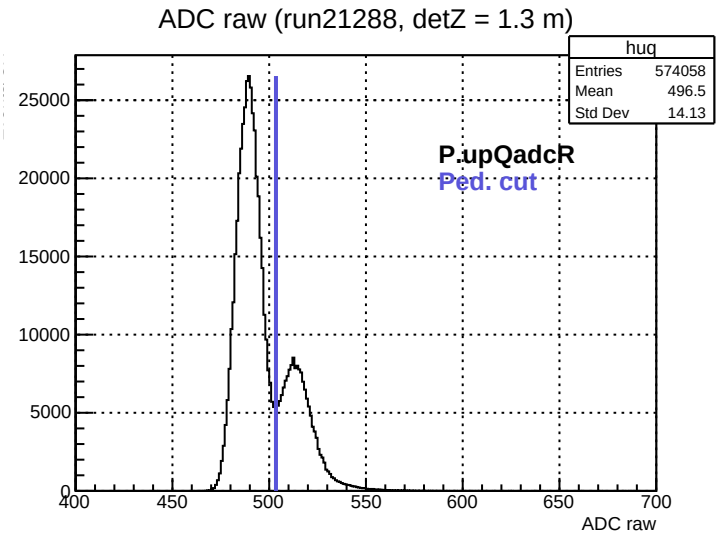

θlab (deg), xCut = -0.100 m
Theta
Entries 161528
Mean 4.768
Std Dev 0.4836
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

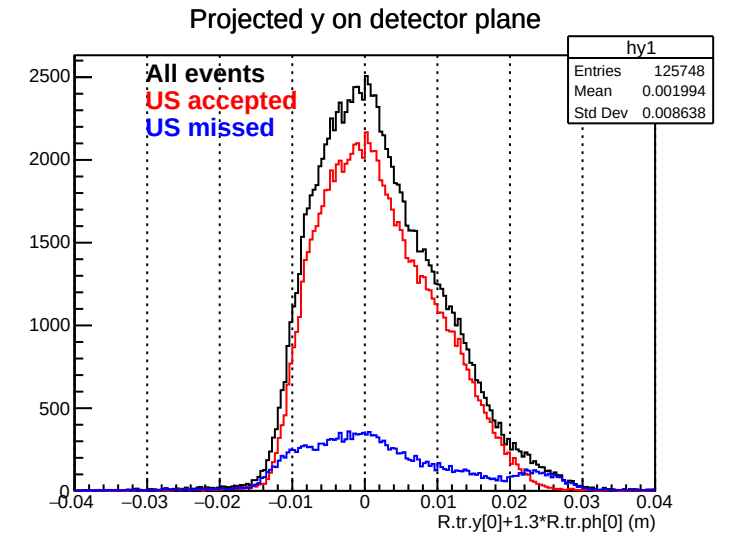

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 161528
Mean 0.5648
Std Dev 0.09
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

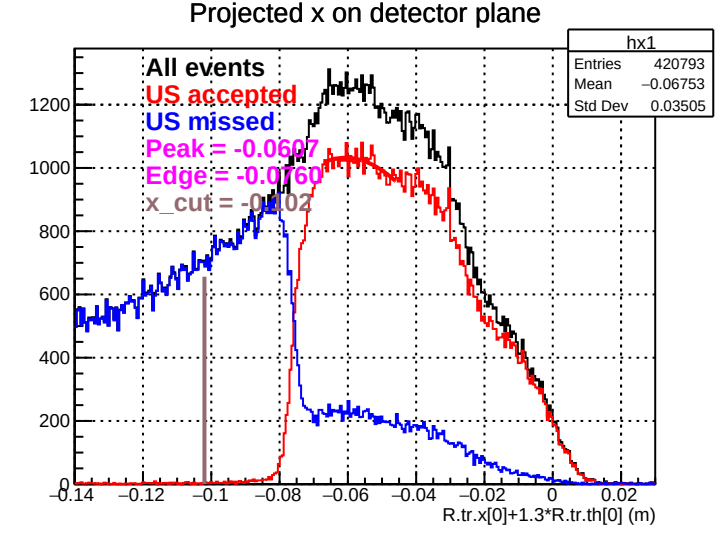

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 161528
Mean 0.552
Std Dev 0.08603
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

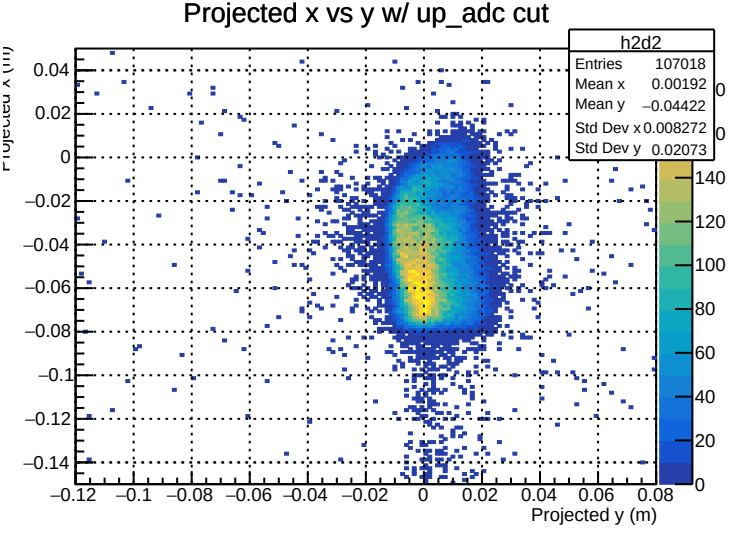

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 161528
Mean 0.006285
Std Dev 0.001309
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

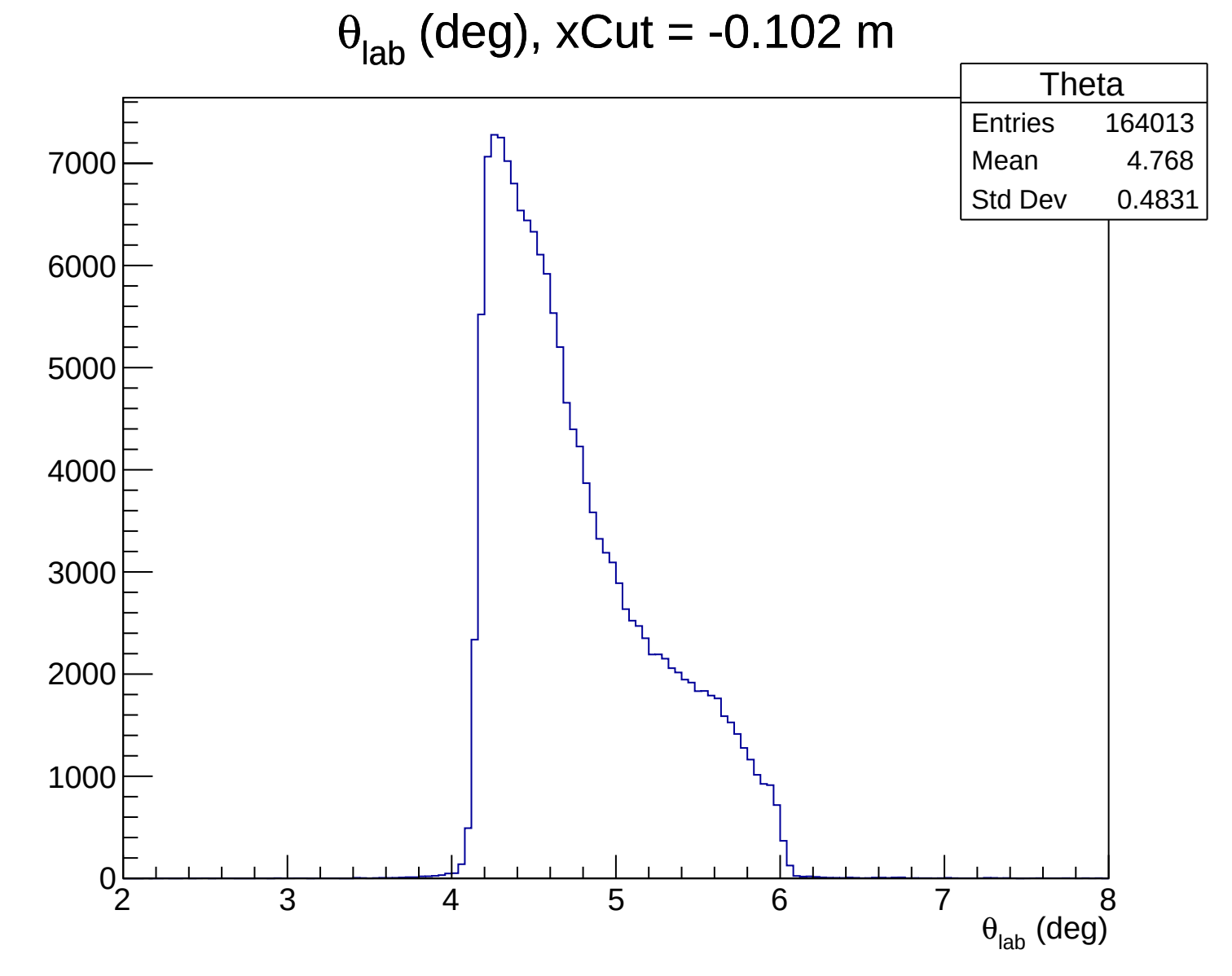

Sensitivity, xCut = -0.100 m
sens
Entries 161528
Mean 0.02206
Std Dev 0.004128
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

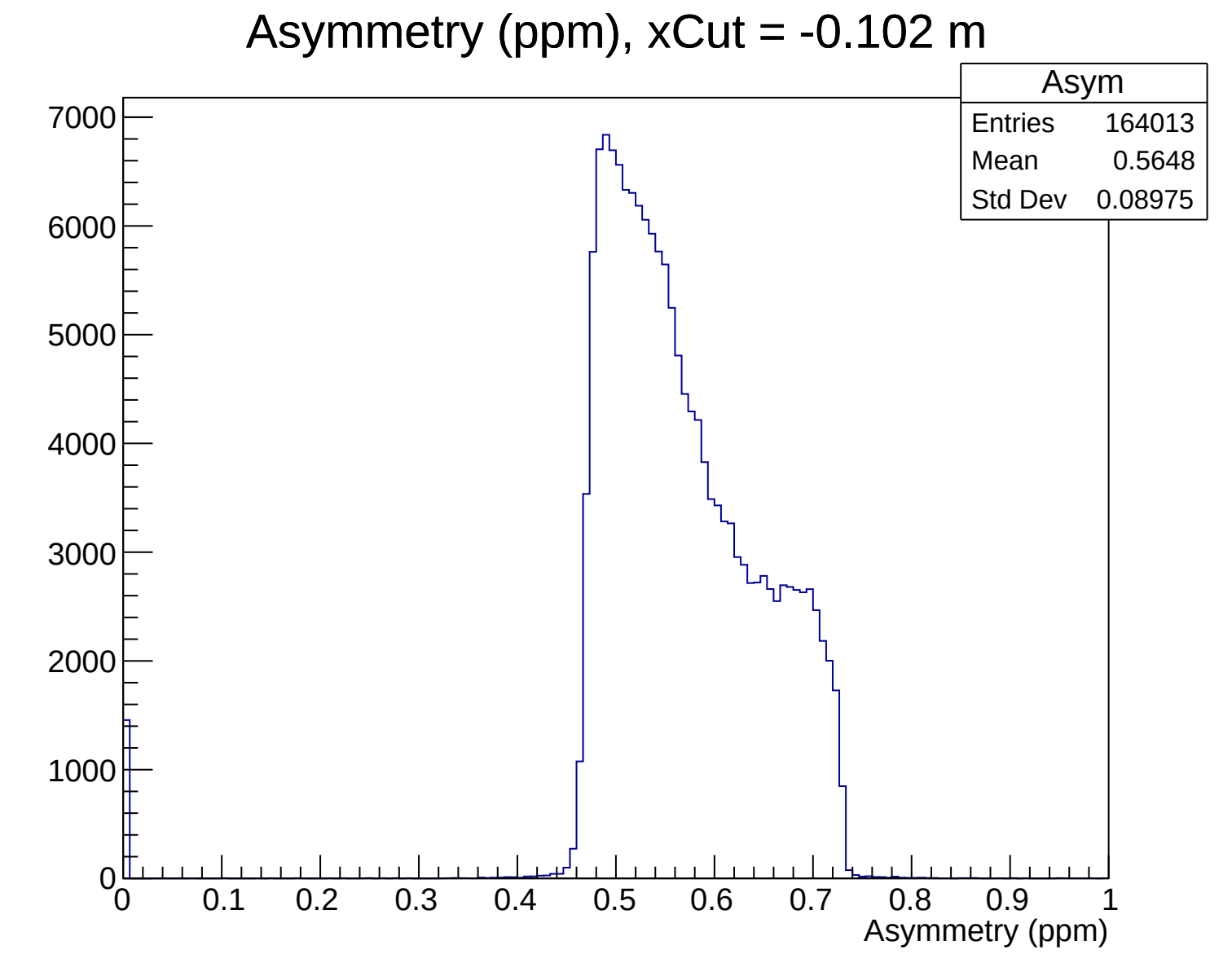

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

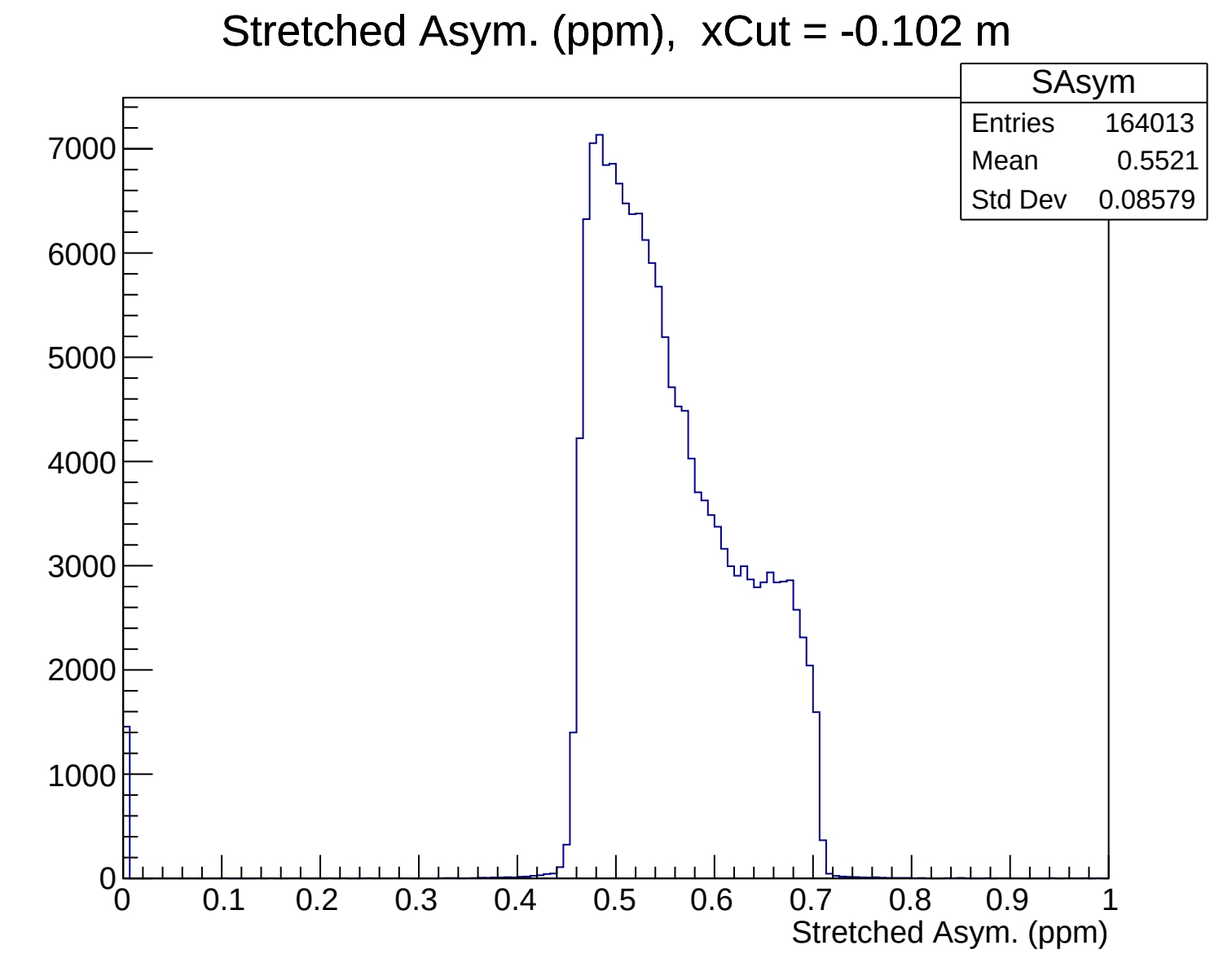

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

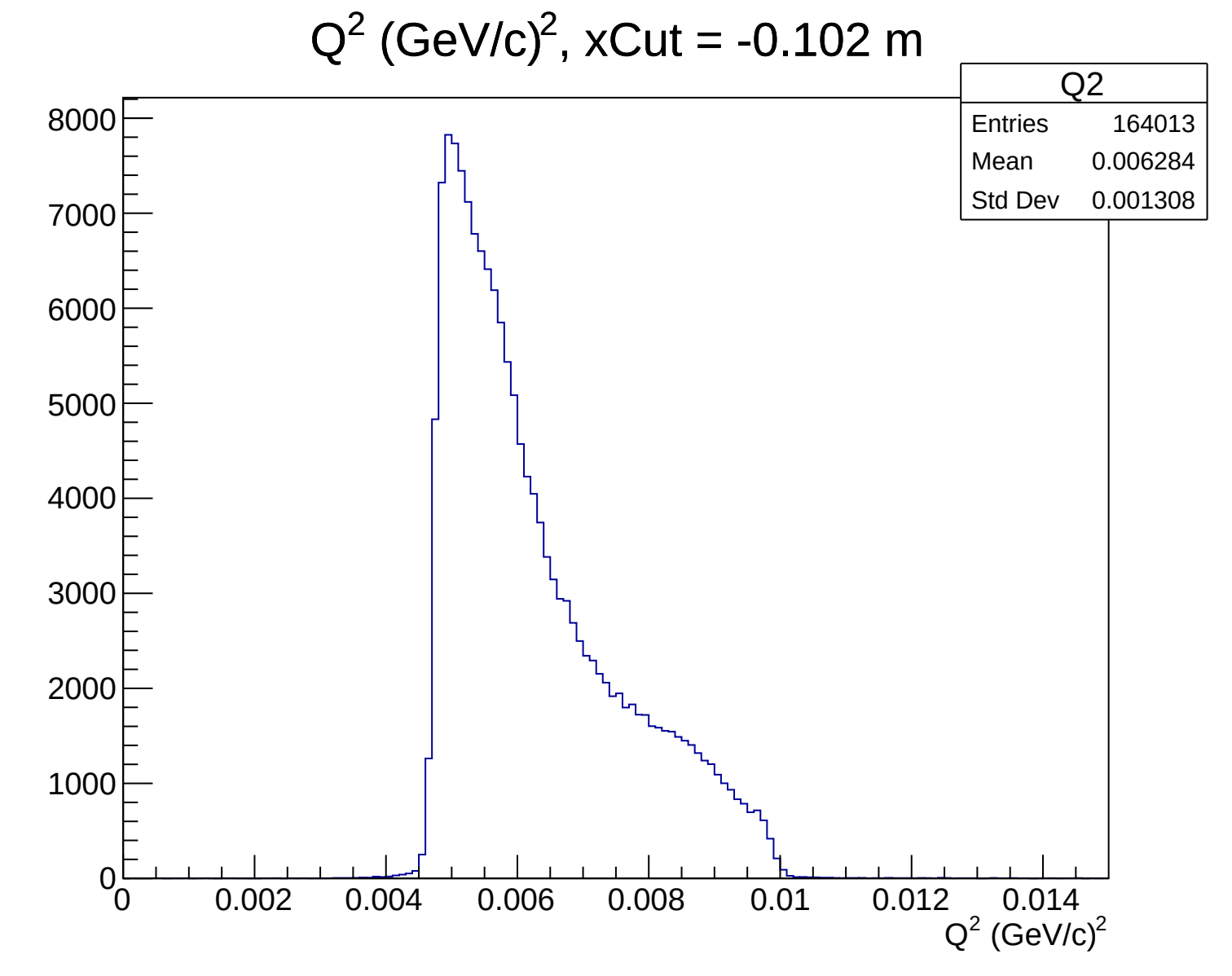

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.102
R.tr.x[0]+1.3*R.tr.th[0] (m)

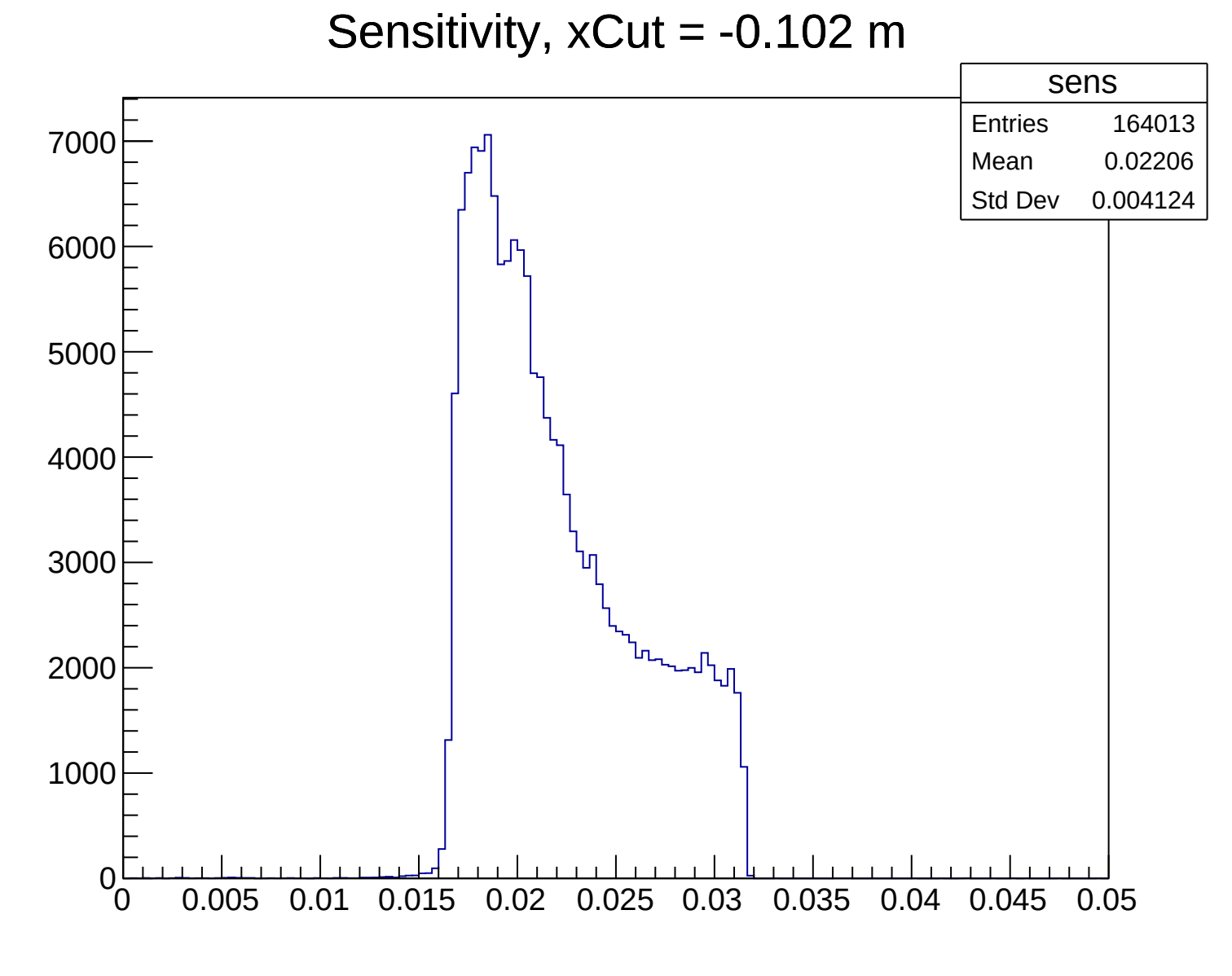

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

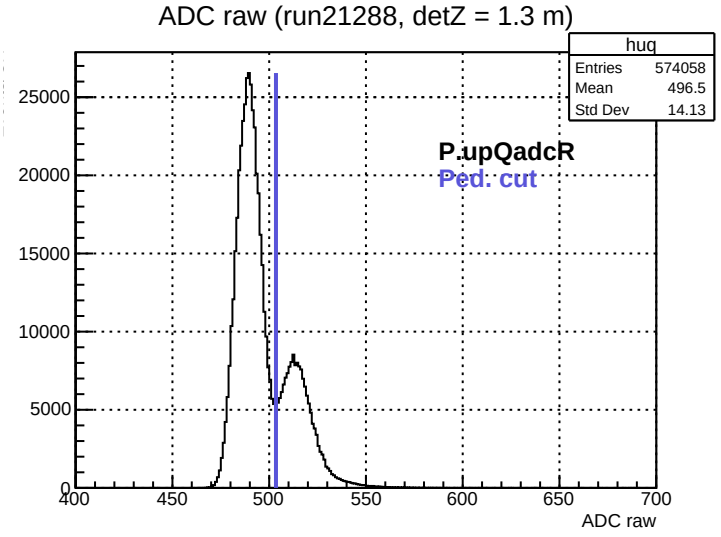

θlab (deg), xCut = -0.102 m
Theta
Entries 164013
Mean 4.768
Std Dev 0.4831
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

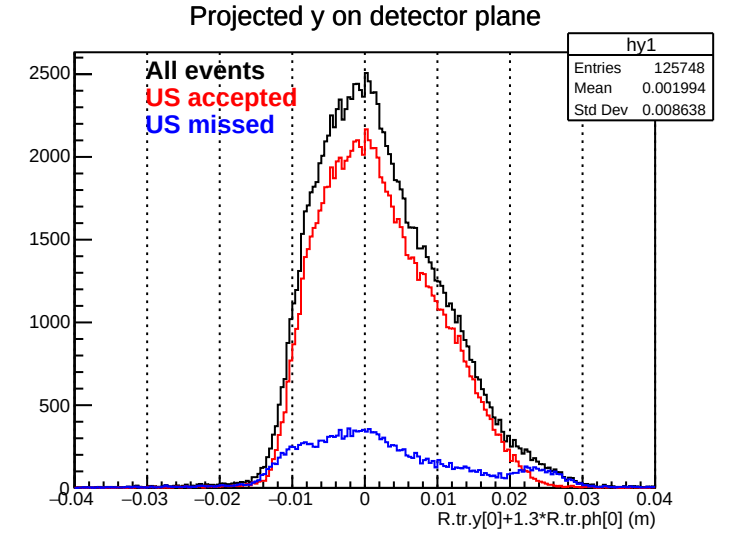

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 164013
Mean 0.5648
Std Dev 0.08975
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

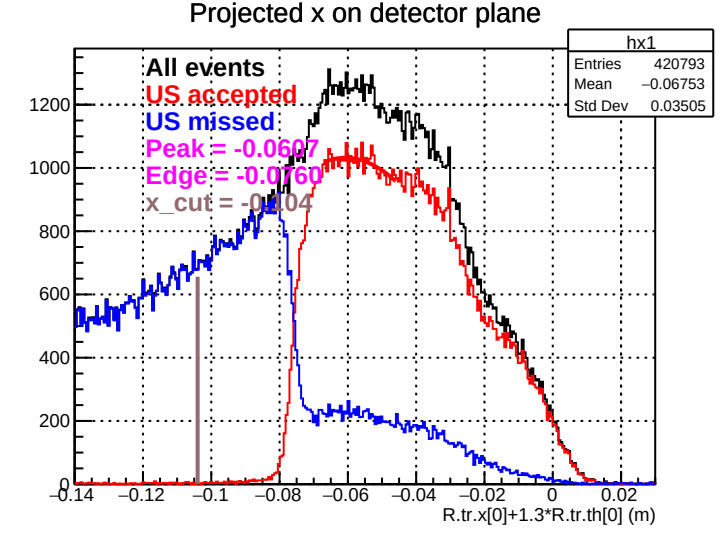

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 164013
Mean 0.5521
Std Dev 0.08579
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

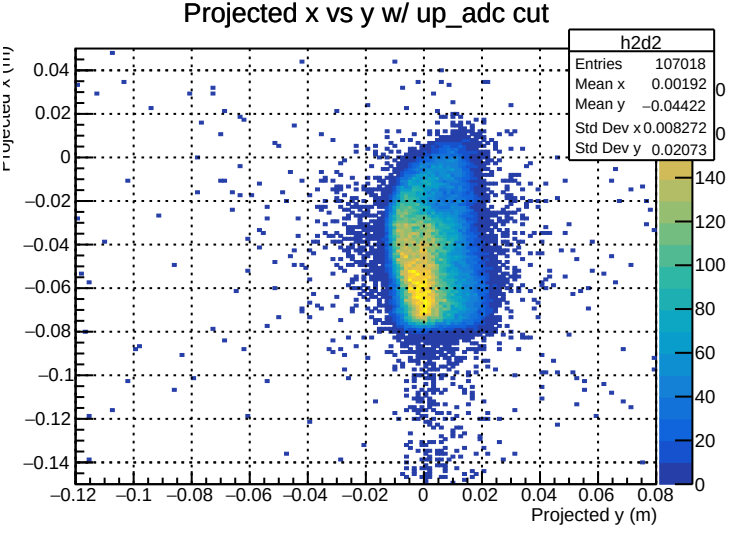

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 164013
Mean 0.006284
Std Dev 0.001308
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

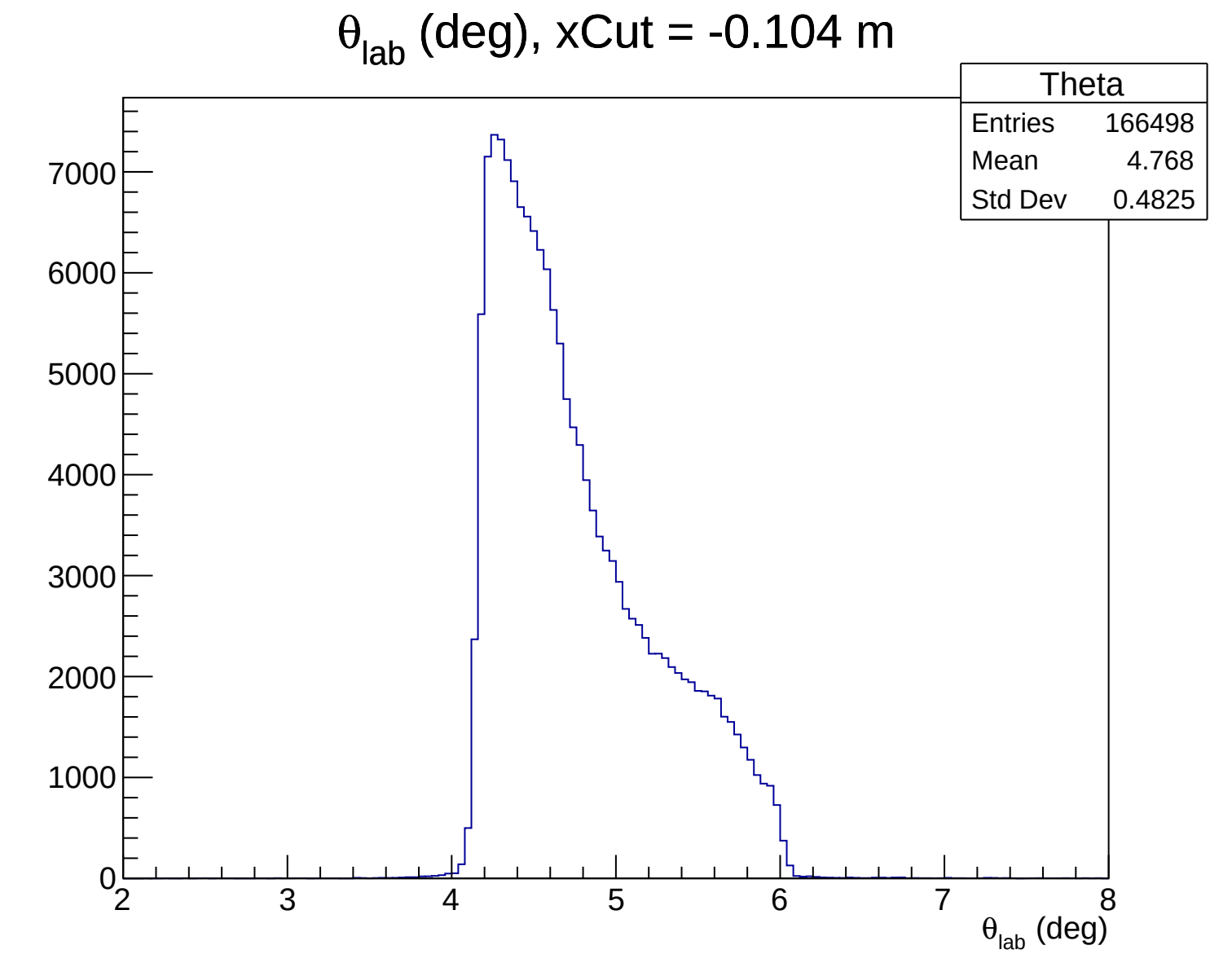

Sensitivity, xCut = -0.102 m
sens
Entries 164013
Mean 0.02206
Std Dev 0.004124
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

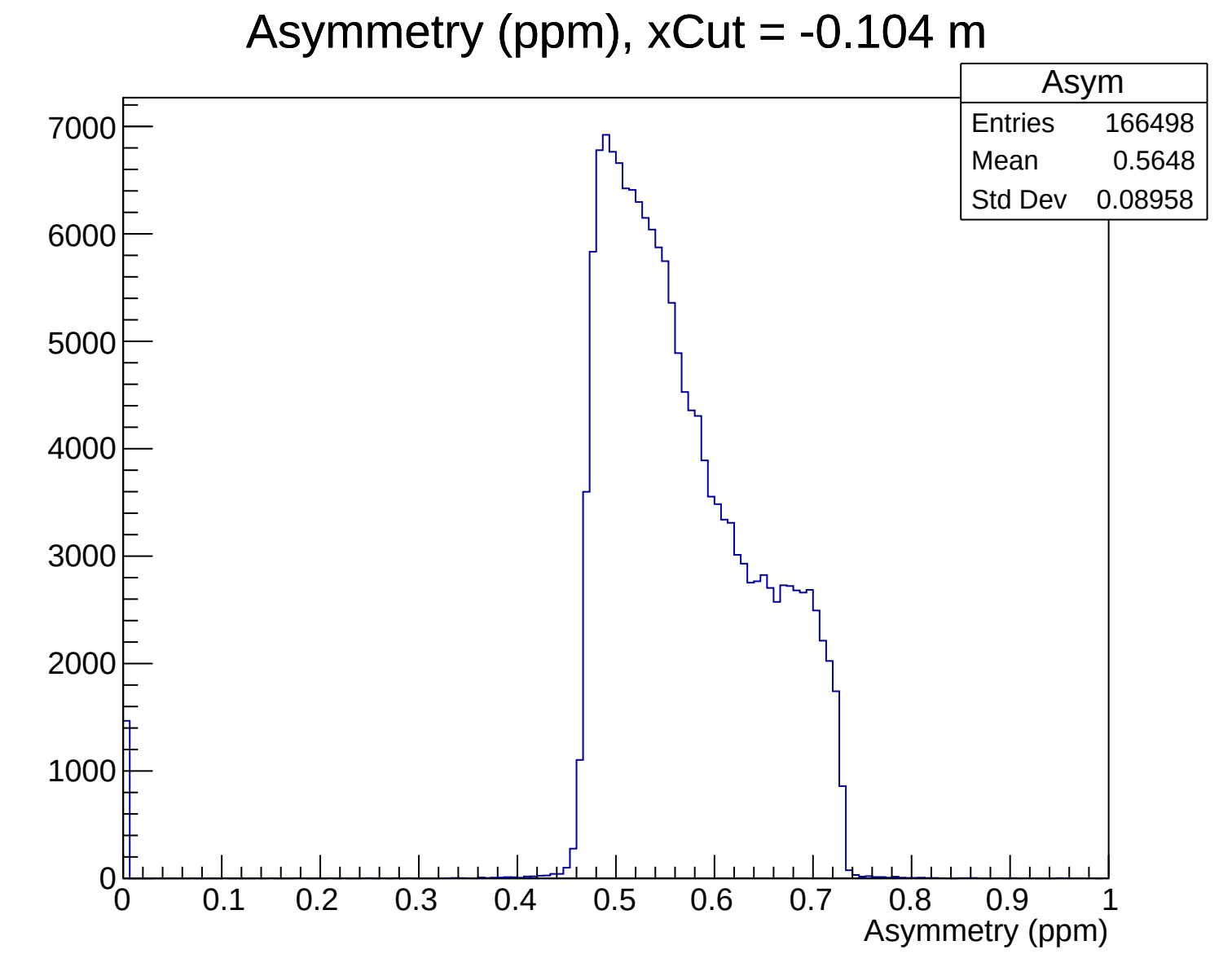

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

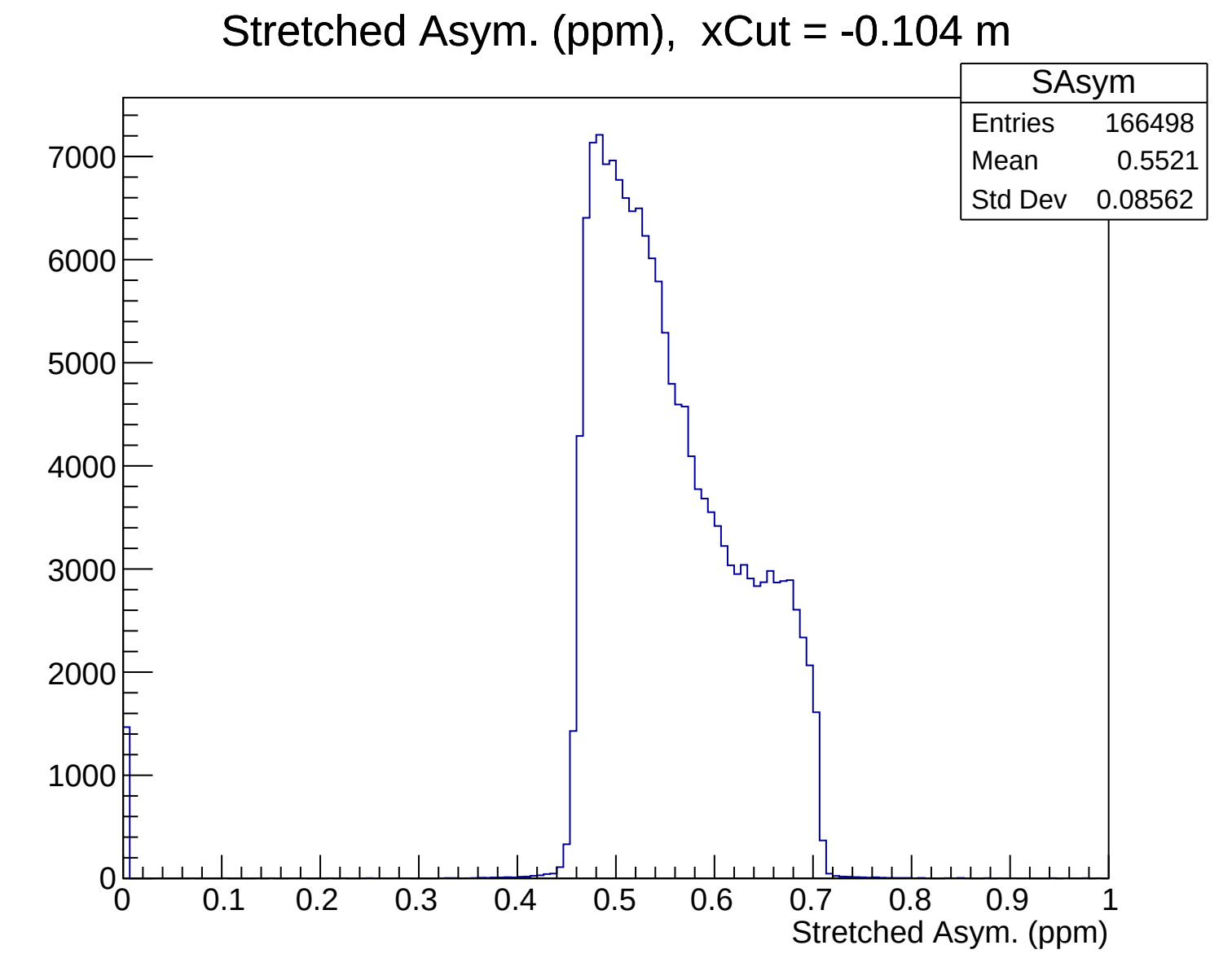

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

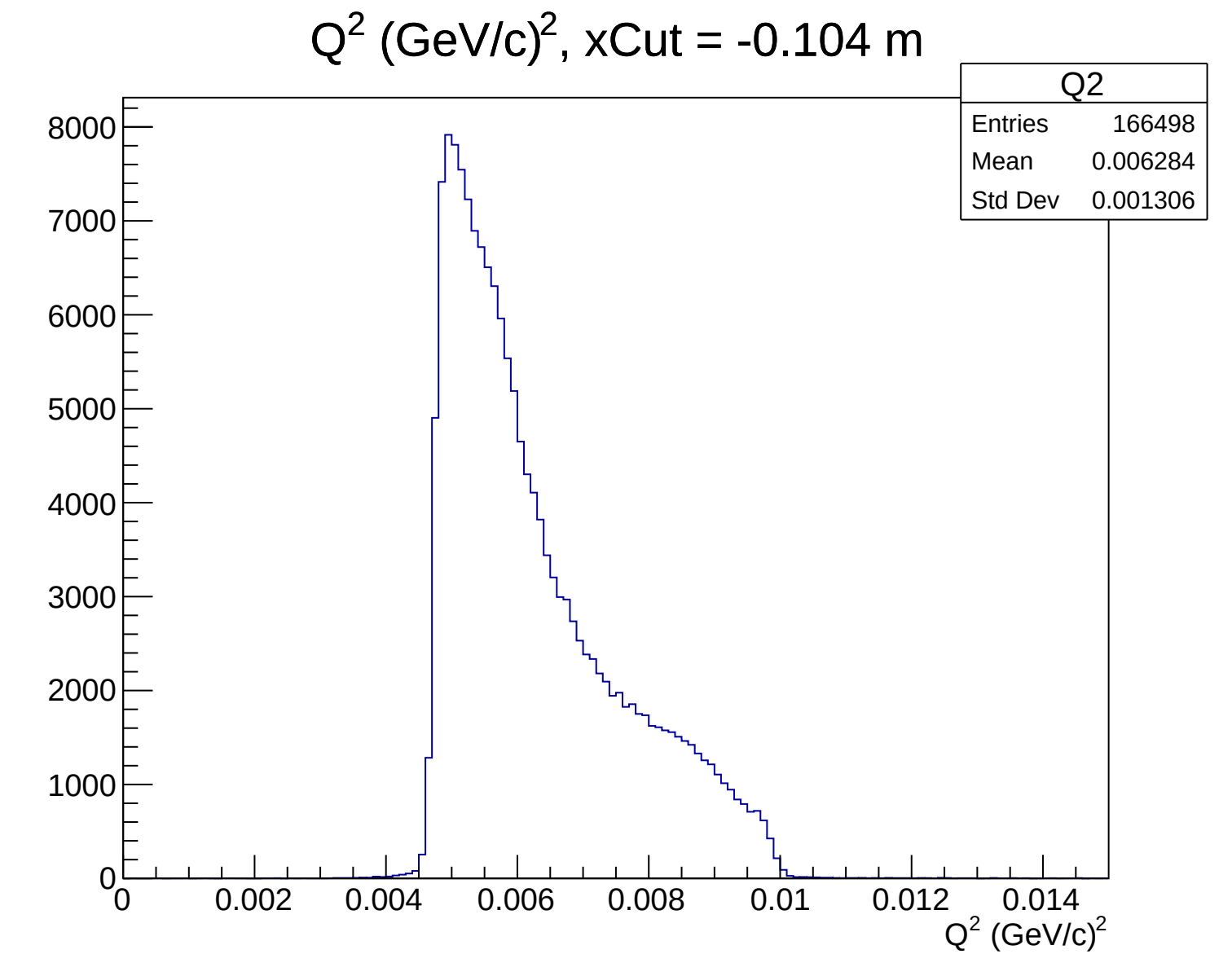

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.104
R.tr.x[0]+1.3*R.tr.th[0] (m)

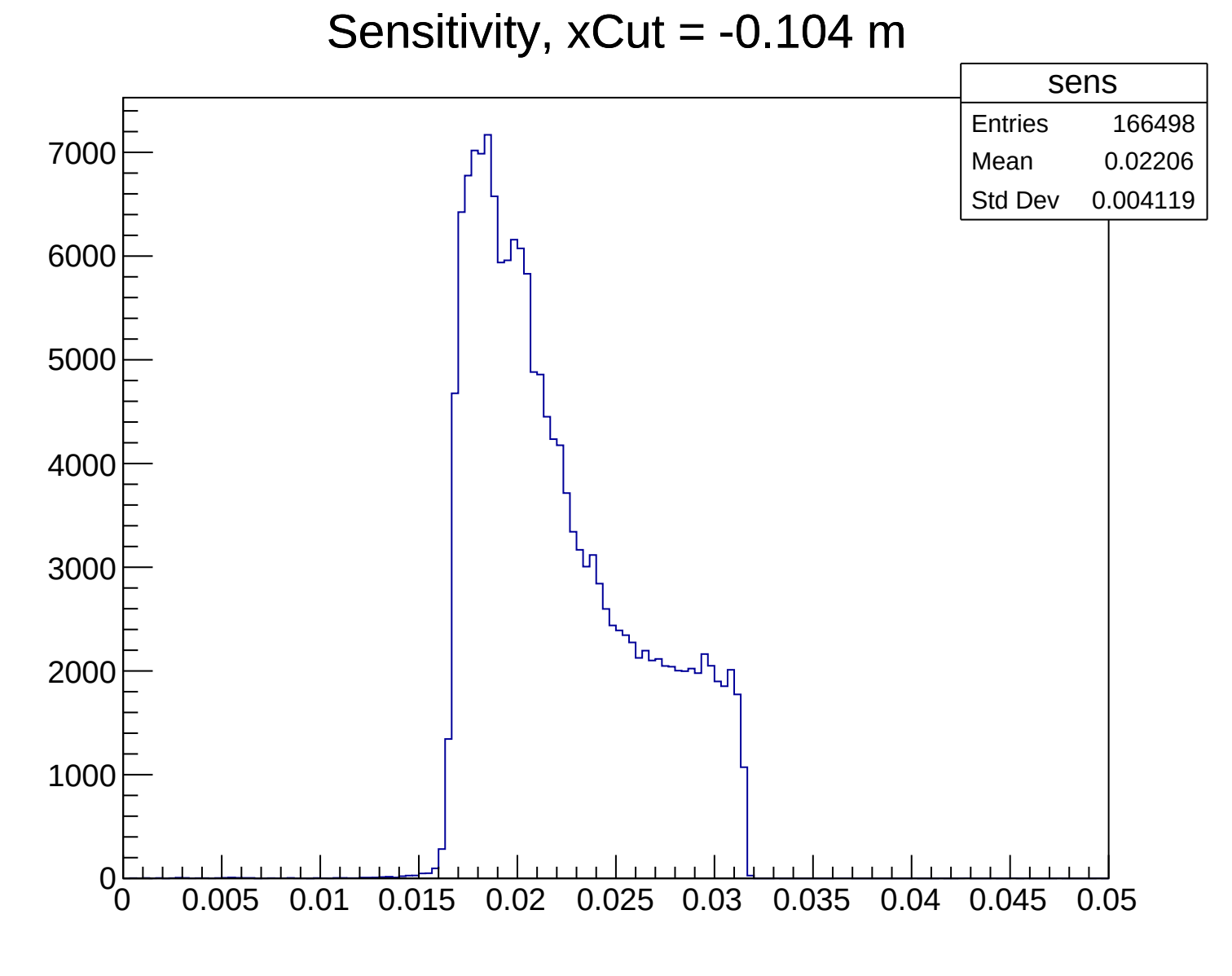

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

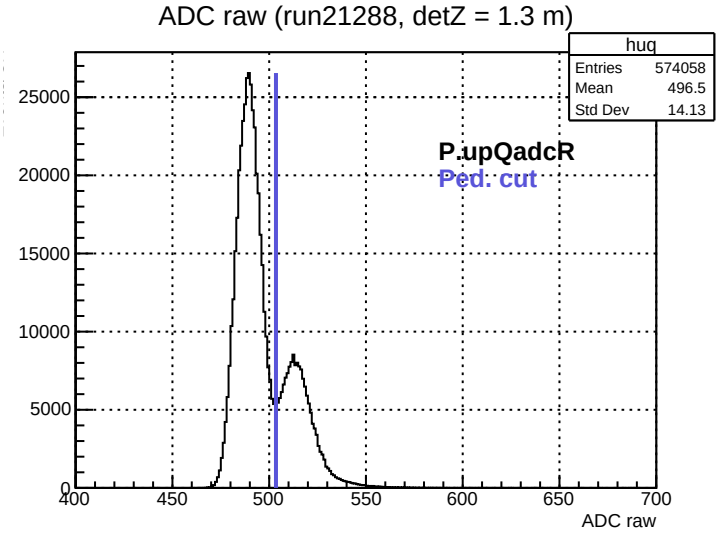

θlab (deg), xCut = -0.104 m
Theta
Entries 166498
Mean 4.768
Std Dev 0.4825
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

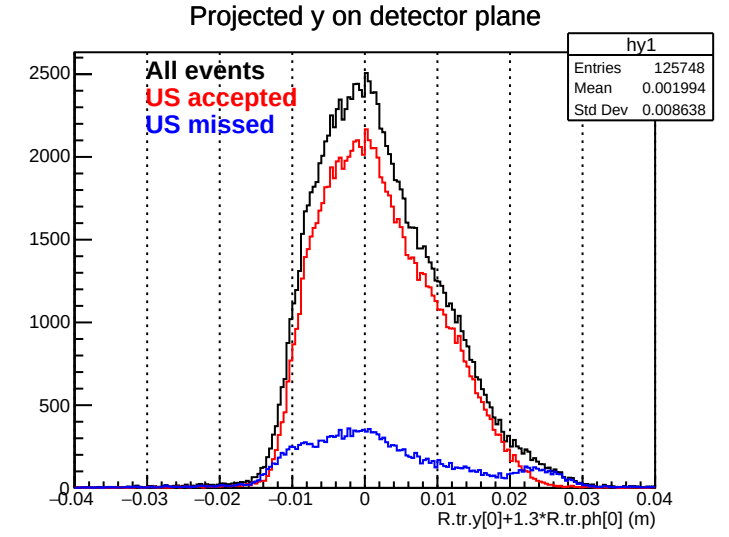

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 166498
Mean 0.5648
Std Dev 0.08958
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

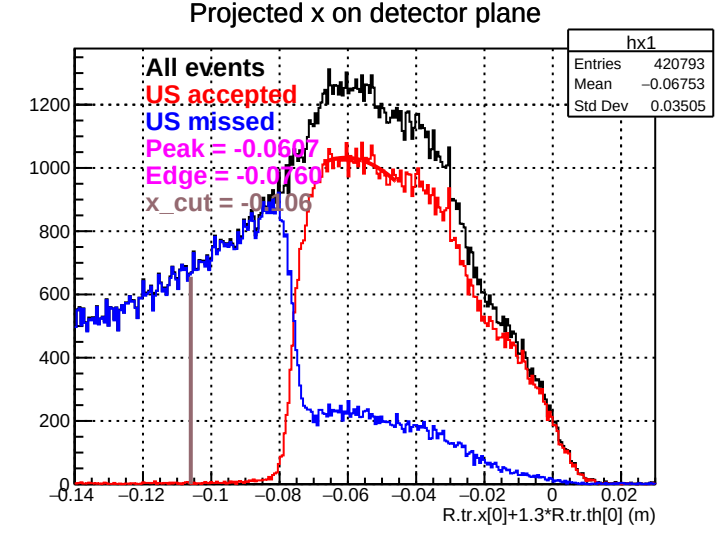

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 166498
Mean 0.5521
Std Dev 0.08562
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

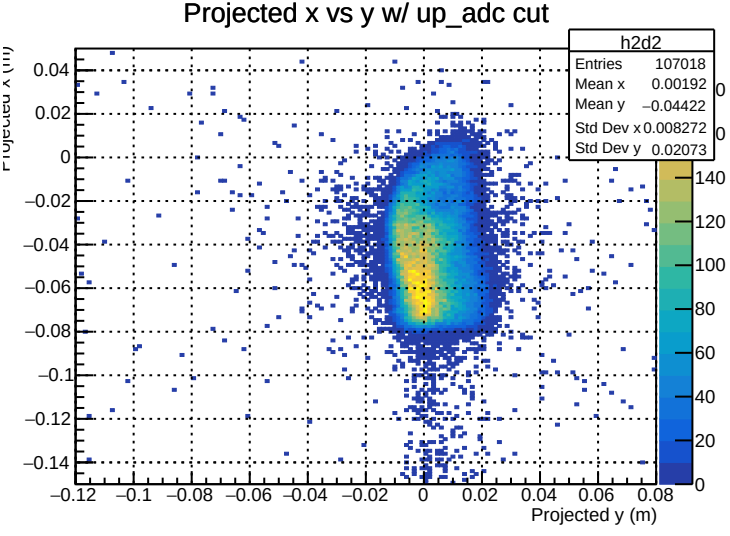

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 166498
Mean 0.006284
Std Dev 0.001306
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

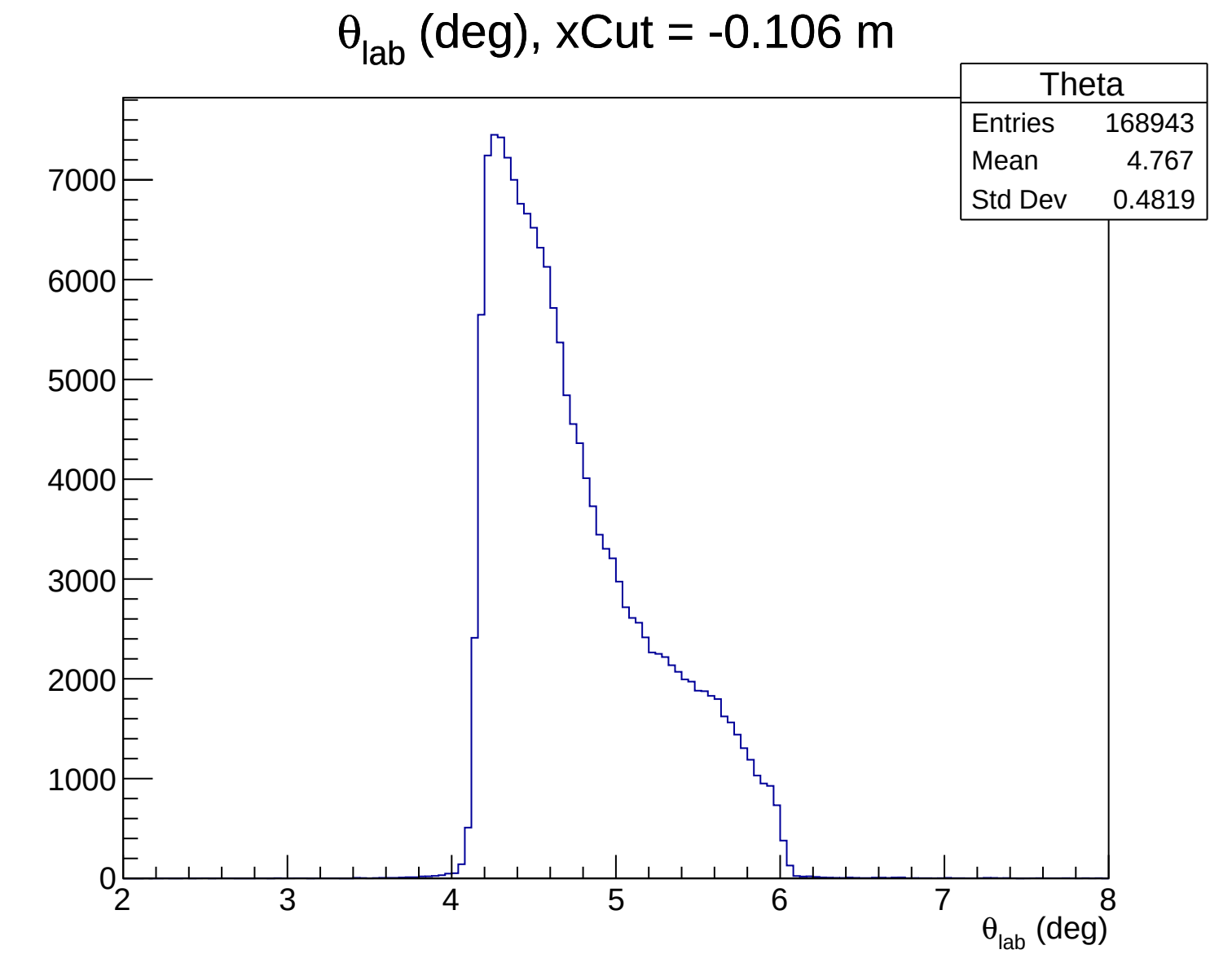

Sensitivity, xCut = -0.104 m
sens
Entries 166498
Mean 0.02206
Std Dev 0.004119
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

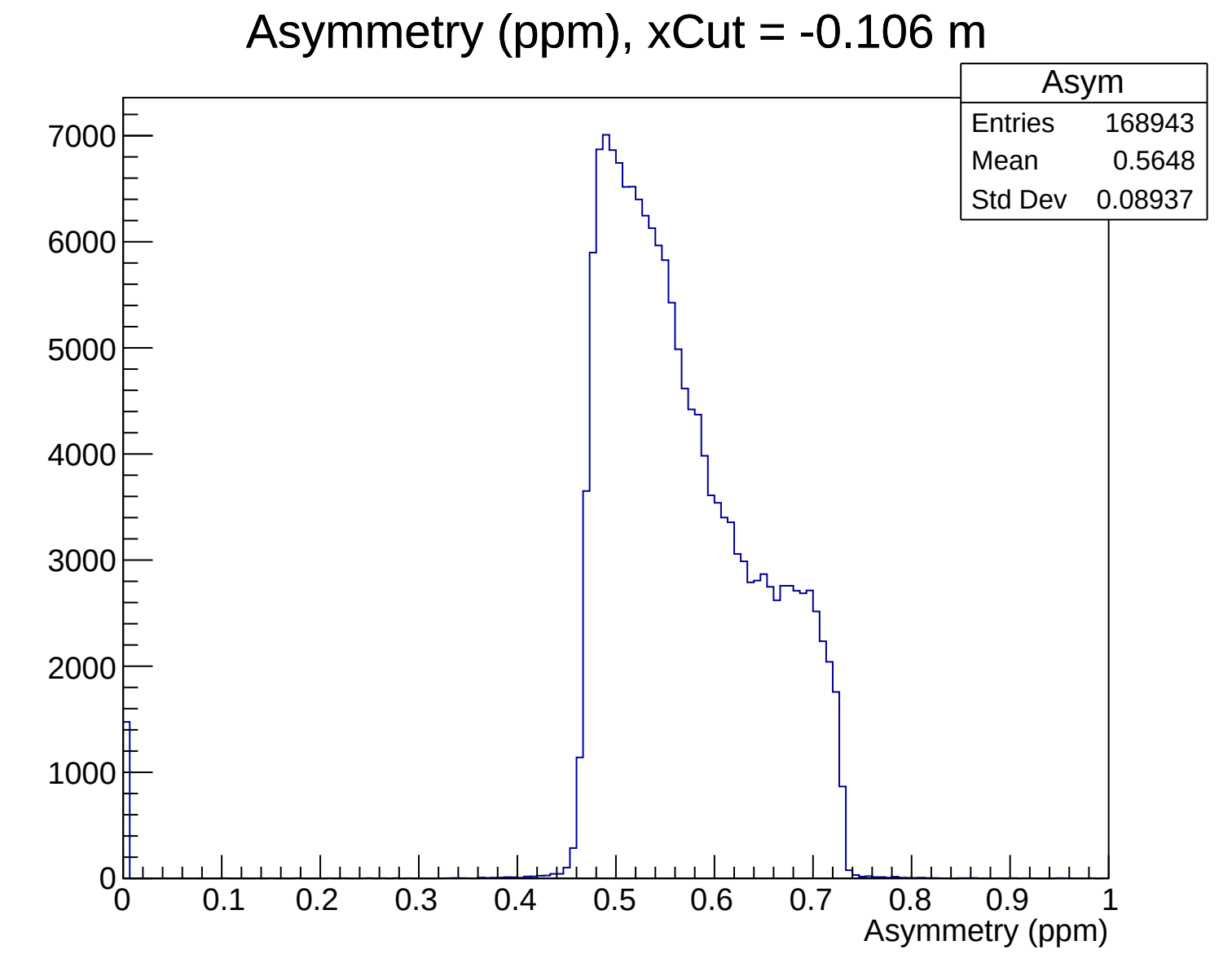

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

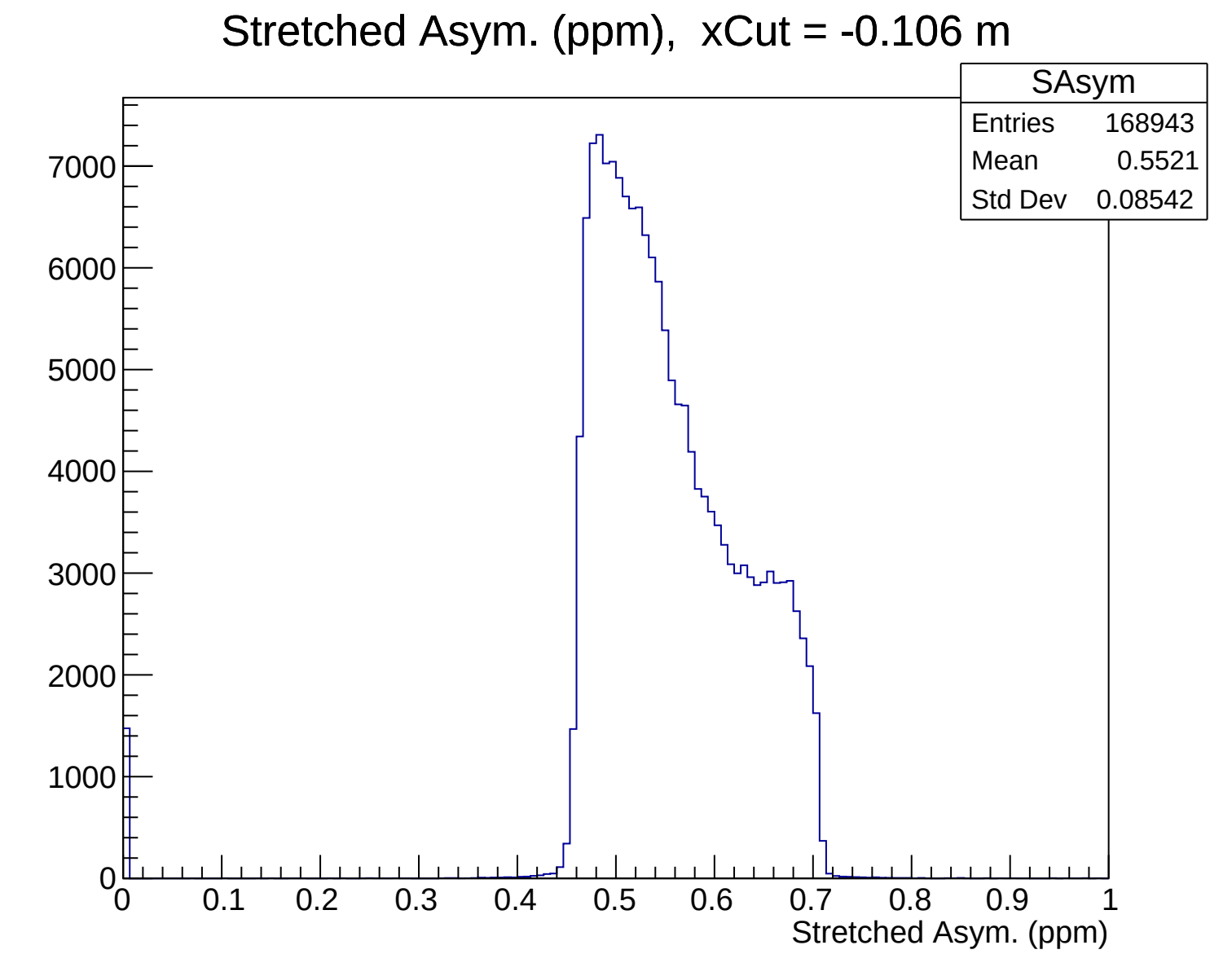

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

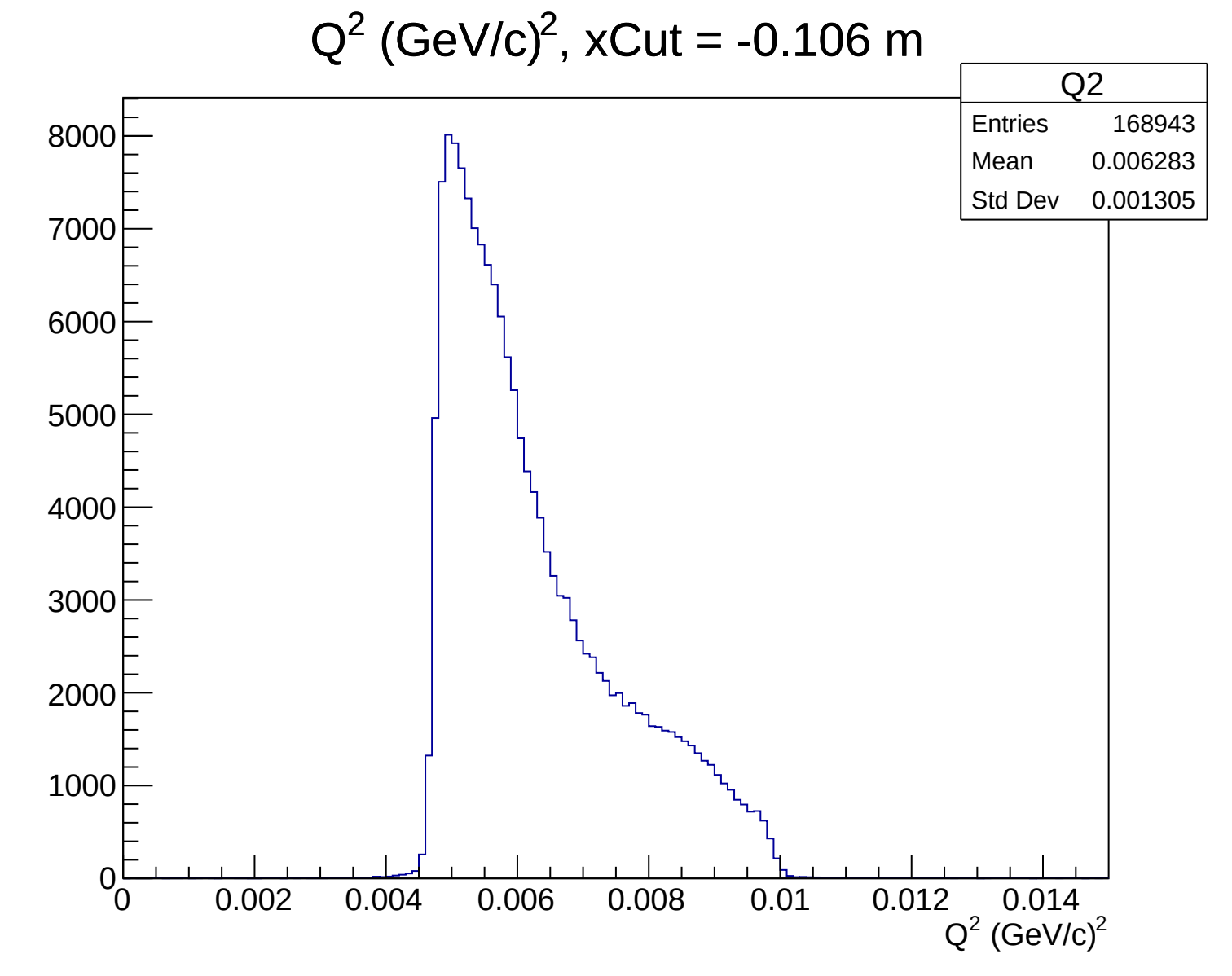

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.106
R.tr.x[0]+1.3*R.tr.th[0] (m)

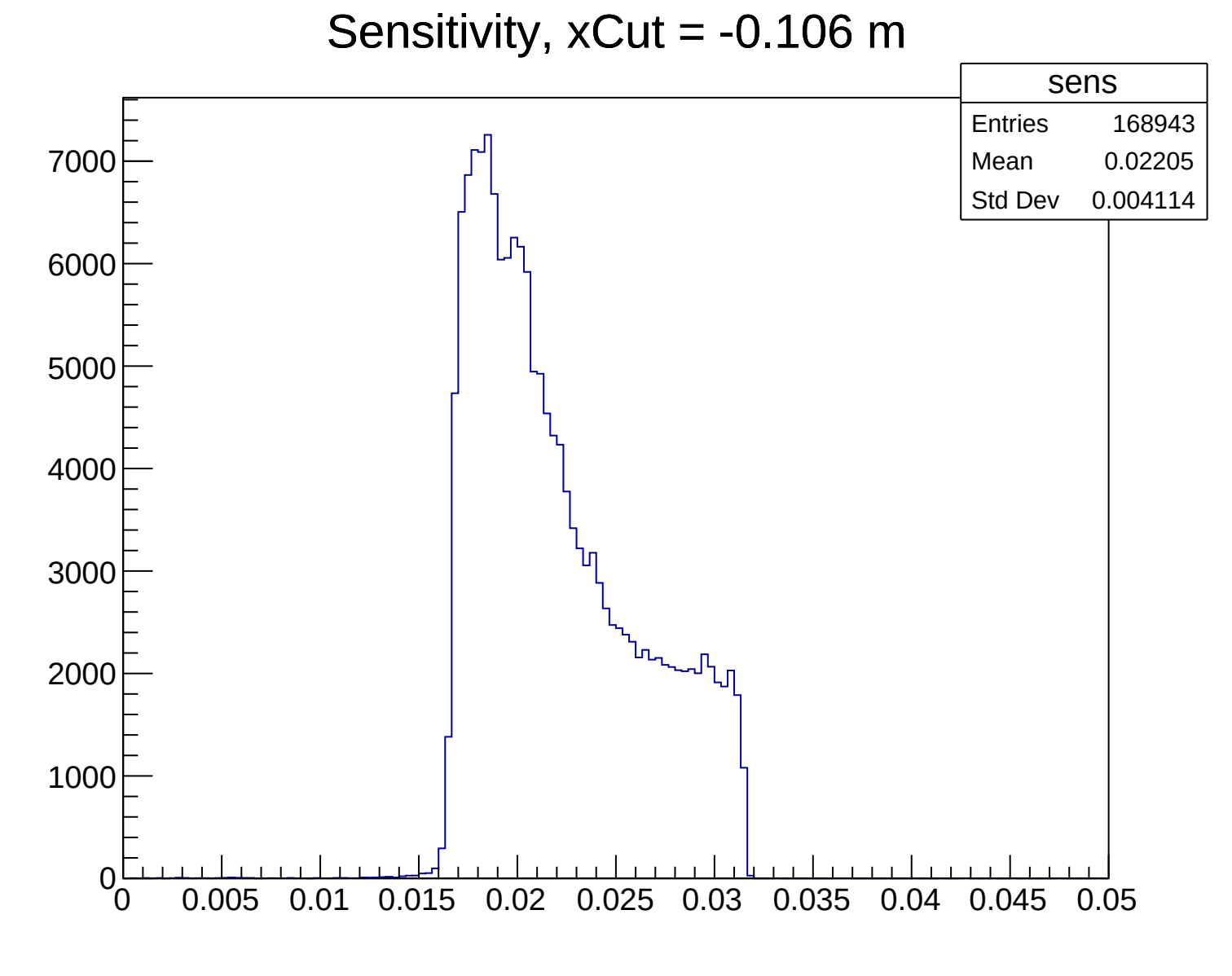

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected x (m)
Projected y (m)

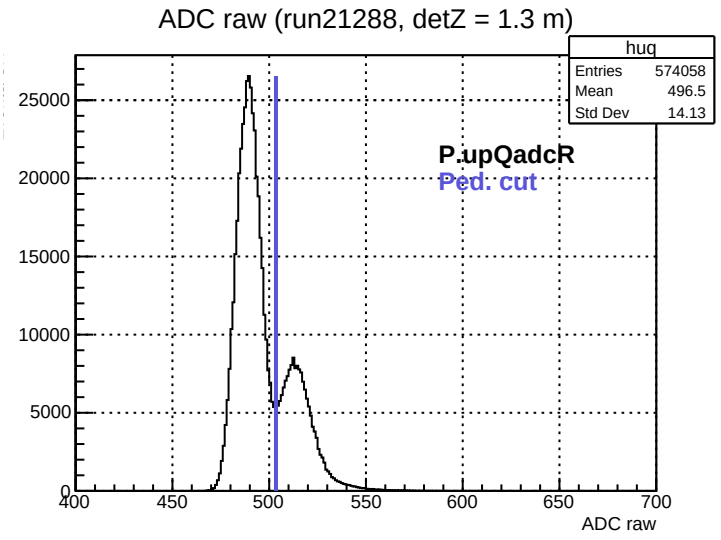

θlab (deg), xCut = -0.106 m
Theta
Entries 168943
Mean 4.767
Std Dev 0.4819
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

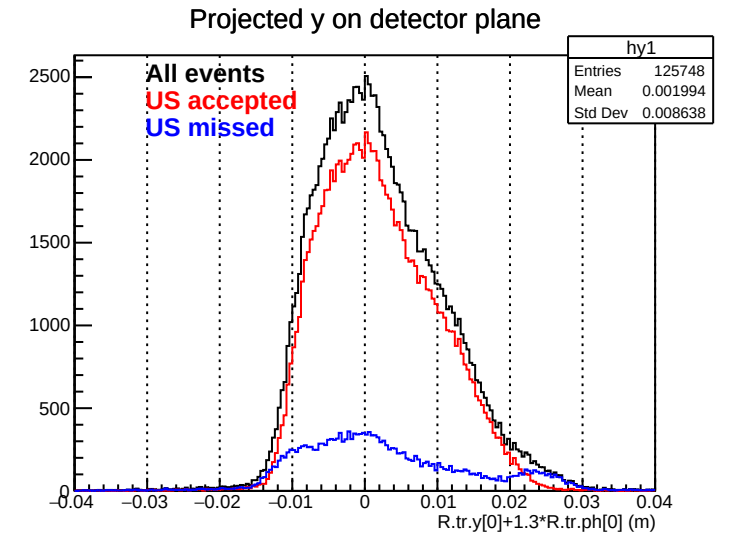

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 168943
Mean 0.5648
Std Dev 0.08937
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

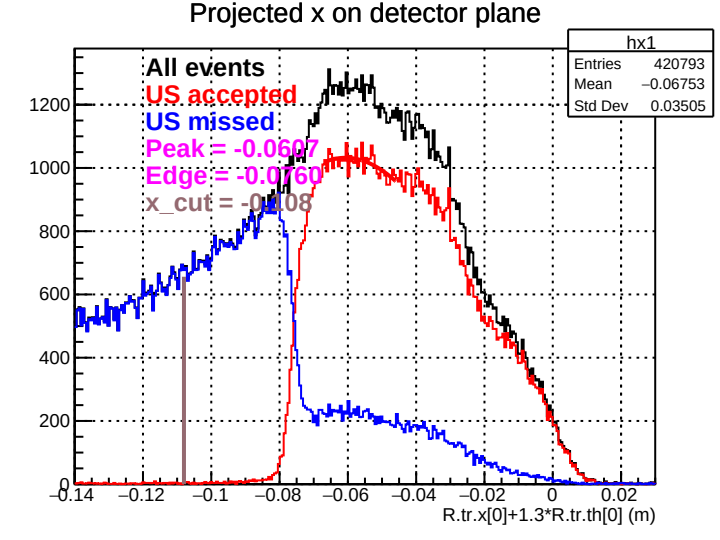

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 168943
Mean 0.5521
Std Dev 0.08542
7000
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

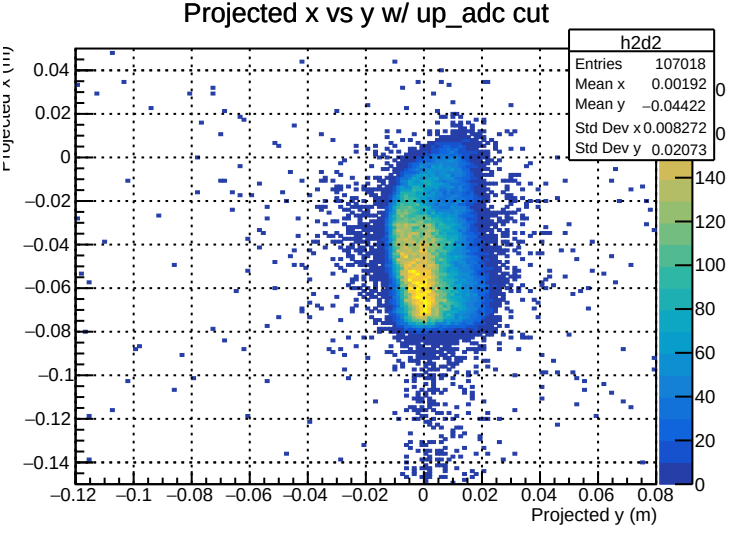

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 168943
Mean 0.006283
Std Dev 0.001305
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

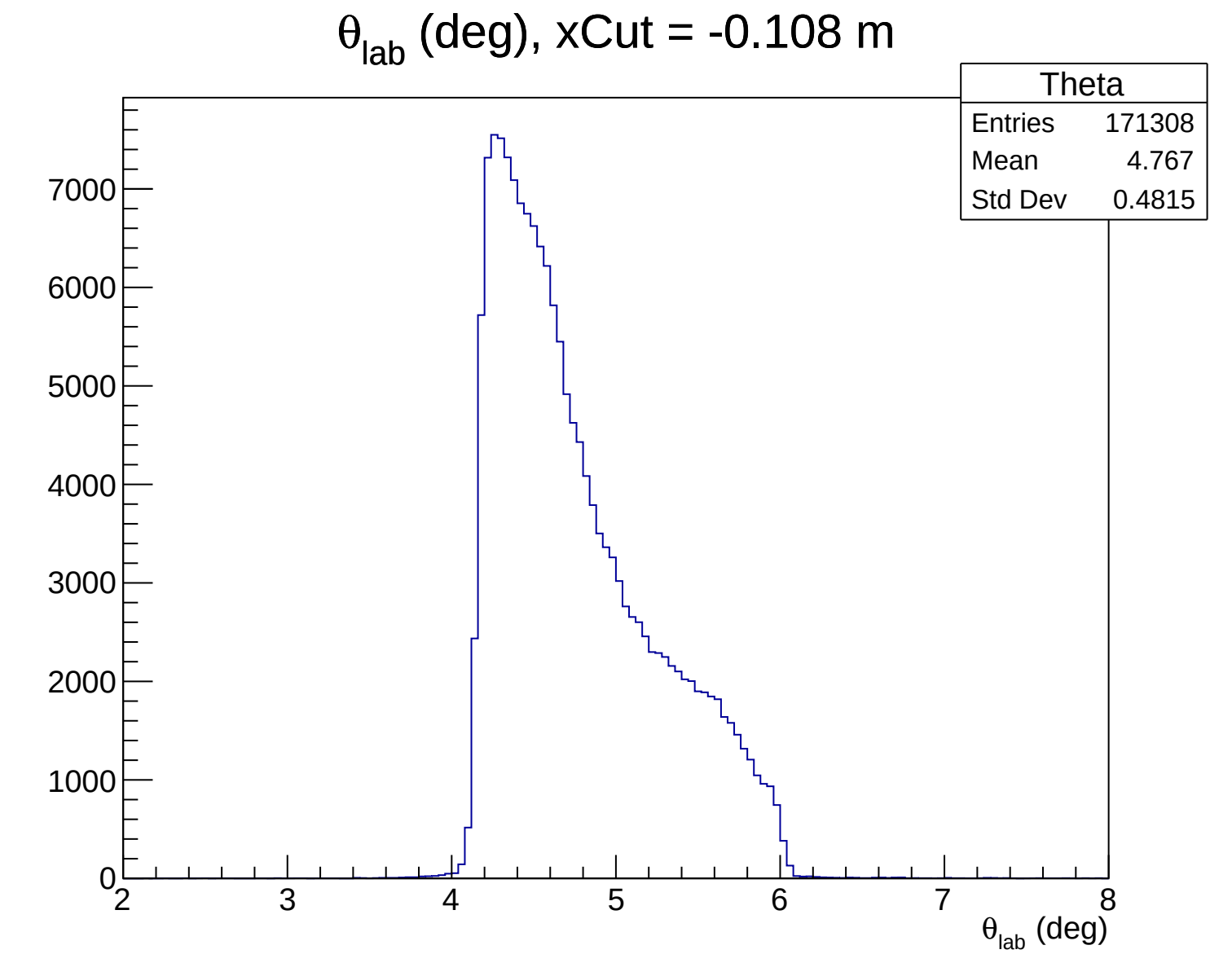

Sensitivity, xCut = -0.106 m
sens
Entries 168943
Mean 0.02205
Std Dev 0.004114
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

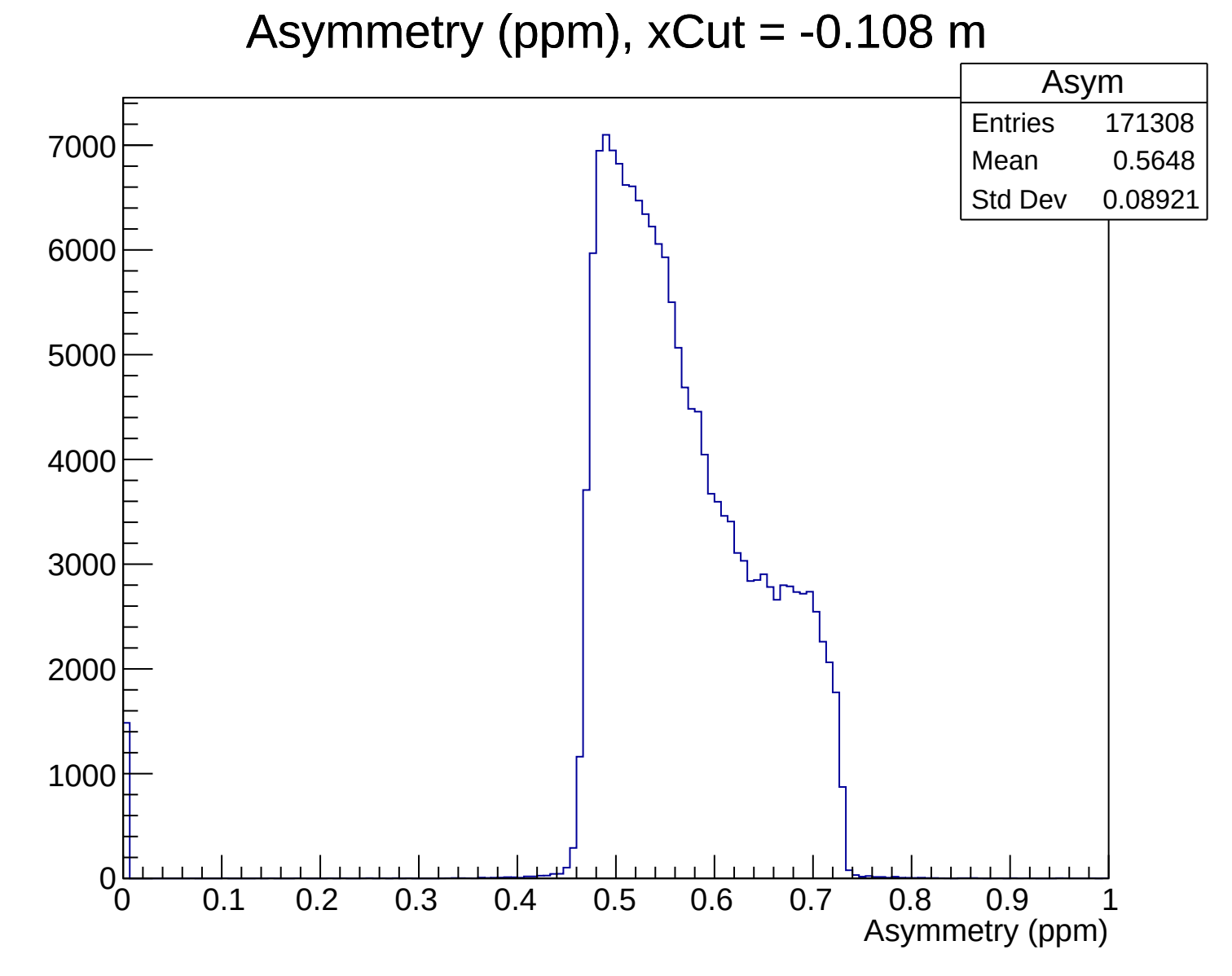

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

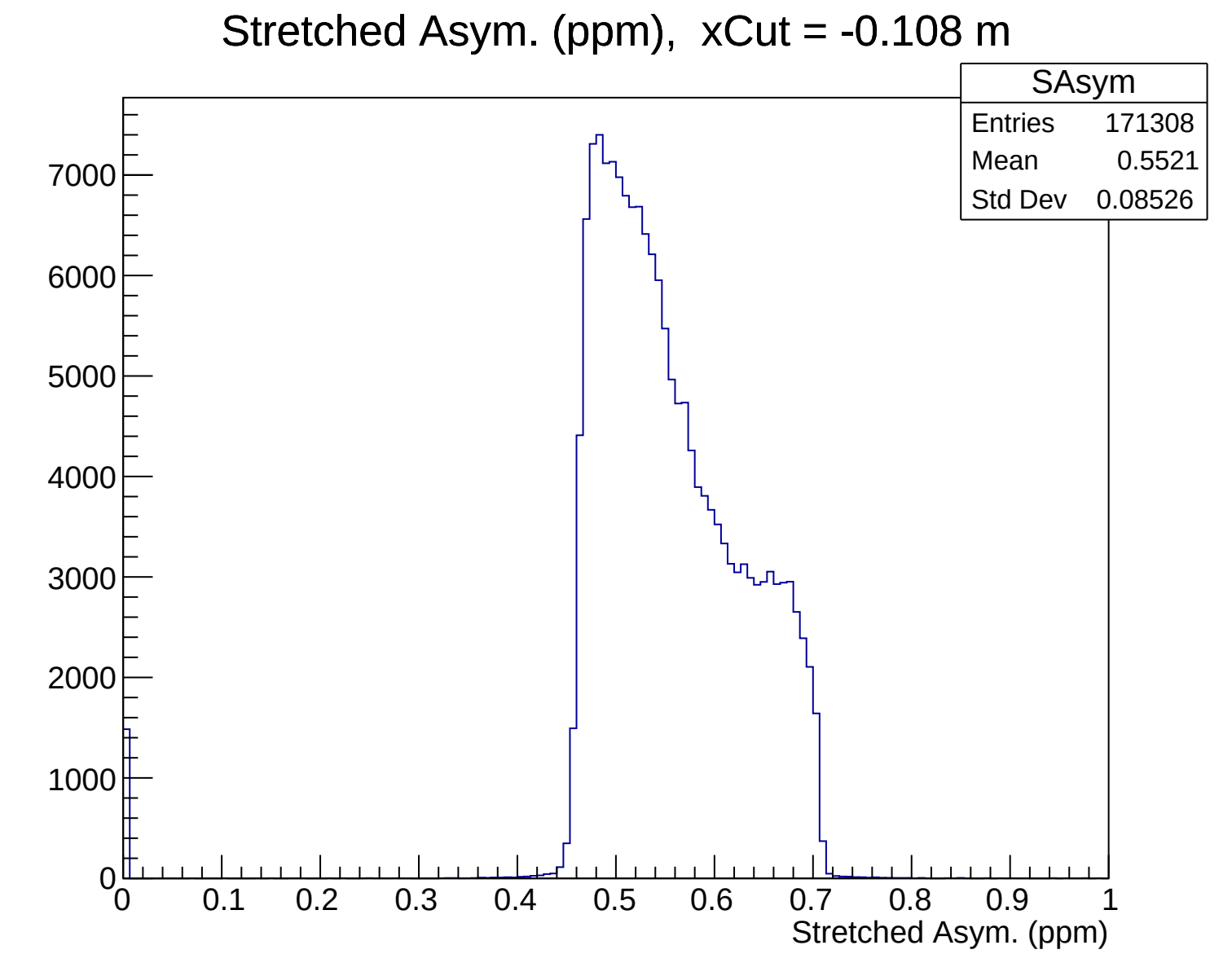

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

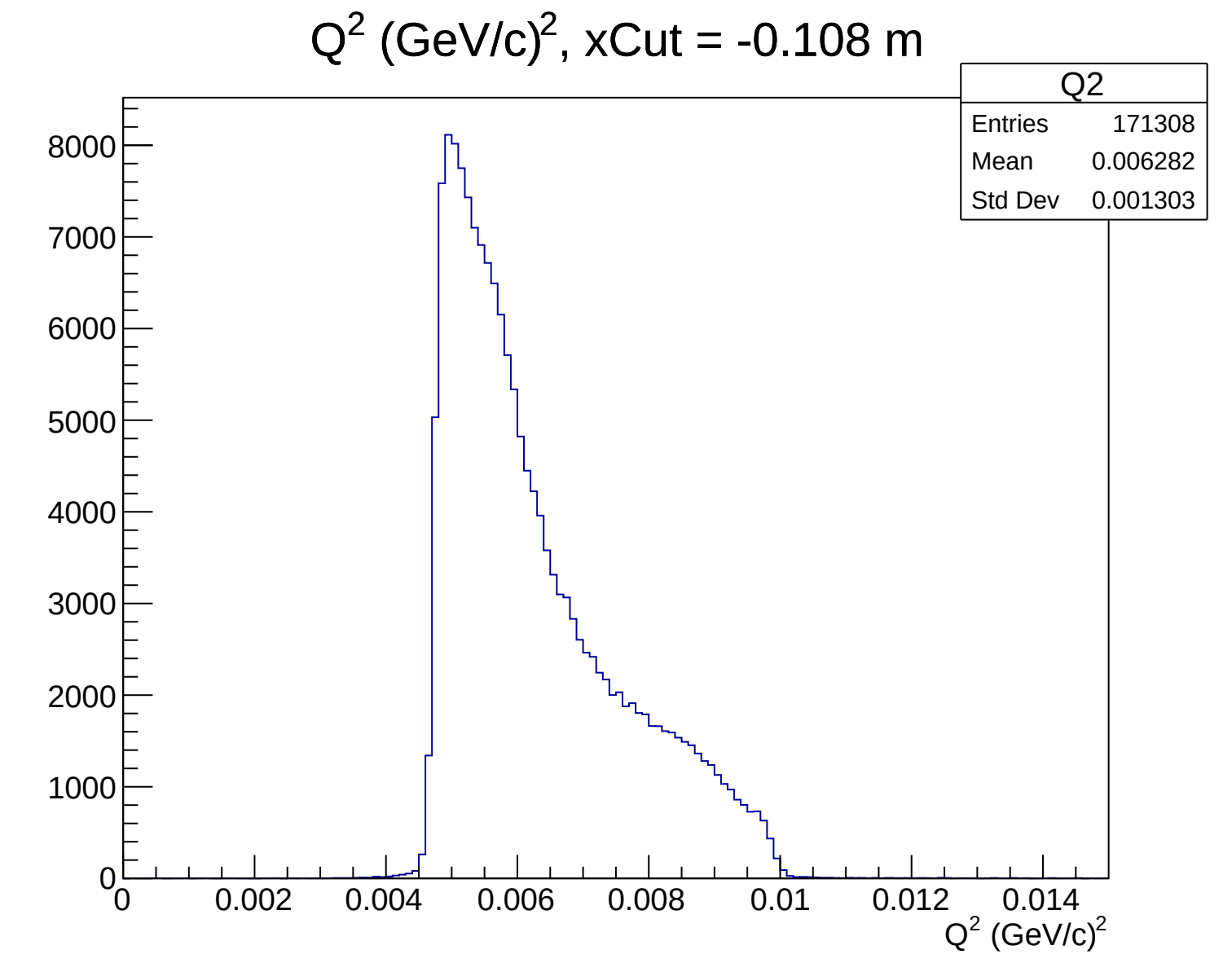

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.108
R.tr.x[0]+1.3*R.tr.th[0] (m)

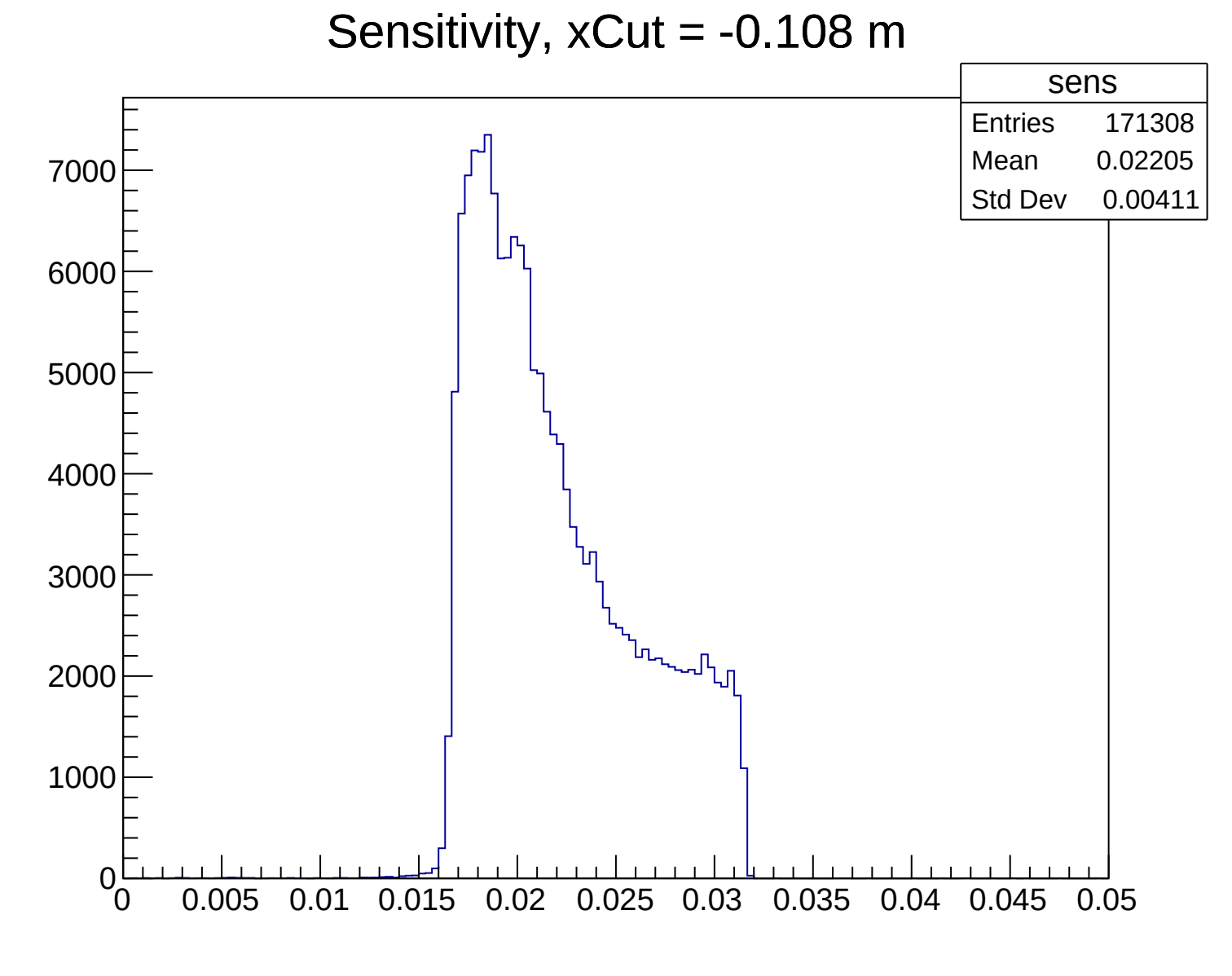

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

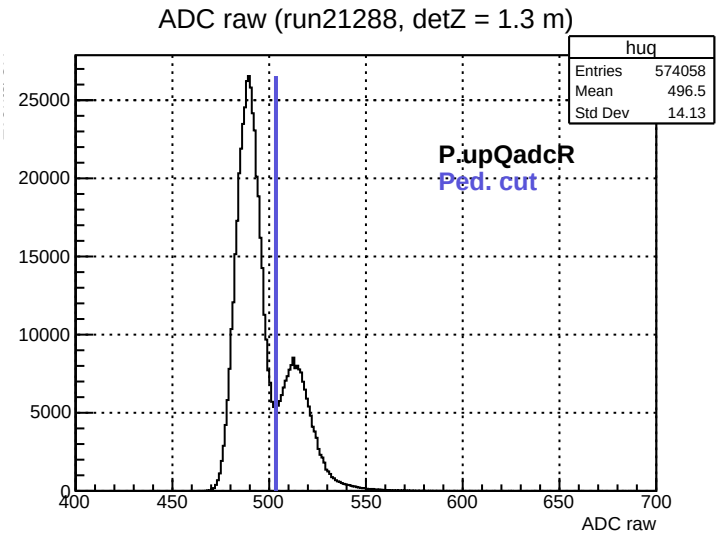

θlab (deg), xCut = -0.108 m
Theta
Entries 171308
Mean 4.767
Std Dev 0.4815
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

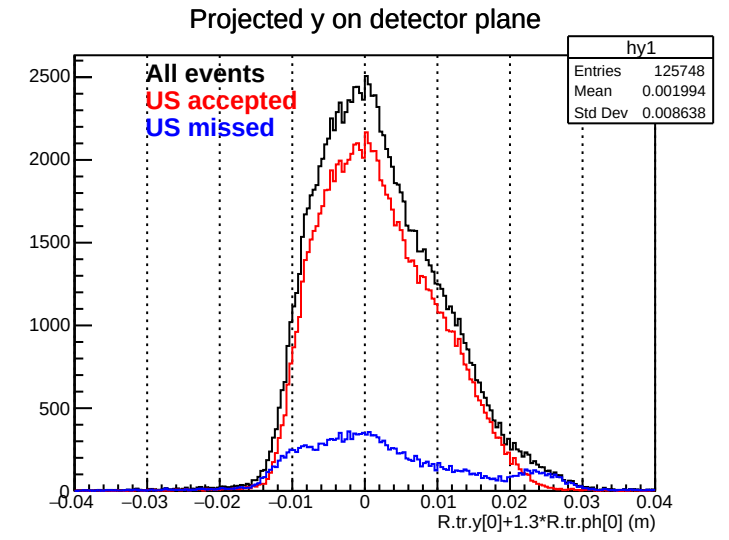

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 171308
Mean 0.5648
Std Dev 0.08921
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

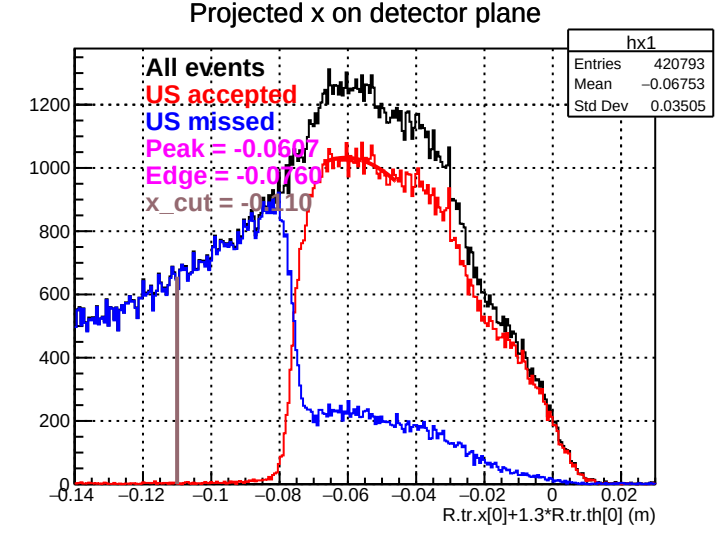

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 171308
Mean 0.5521
Std Dev 0.08526
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

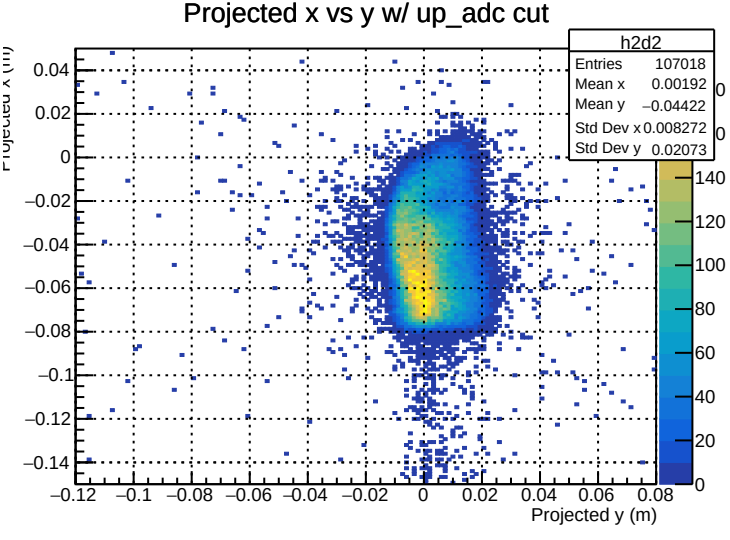

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 171308
Mean 0.006282
Std Dev 0.001303
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

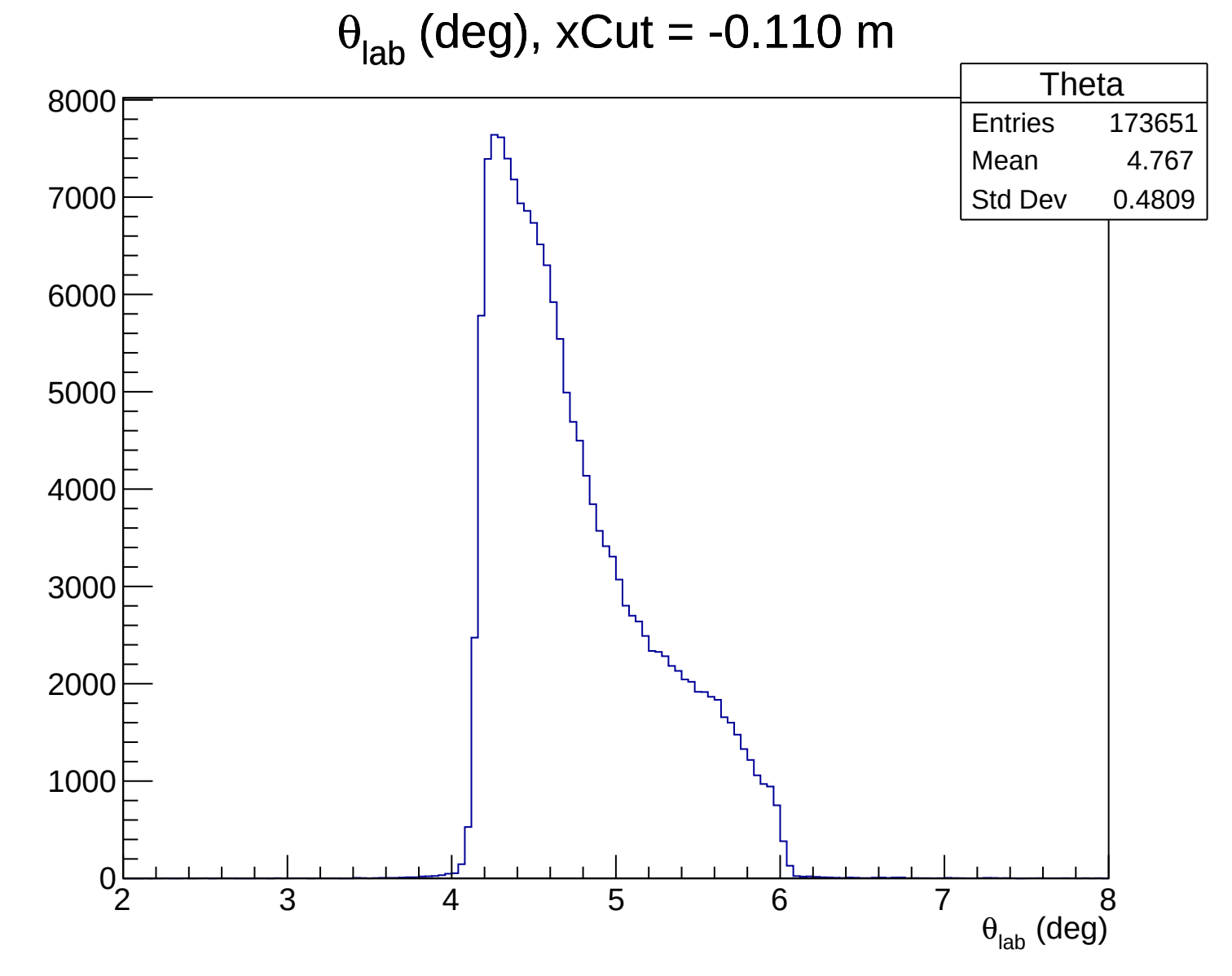

Sensitivity, xCut = -0.108 m
sens
Entries 171308
Mean 0.02205
Std Dev 0.00411
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

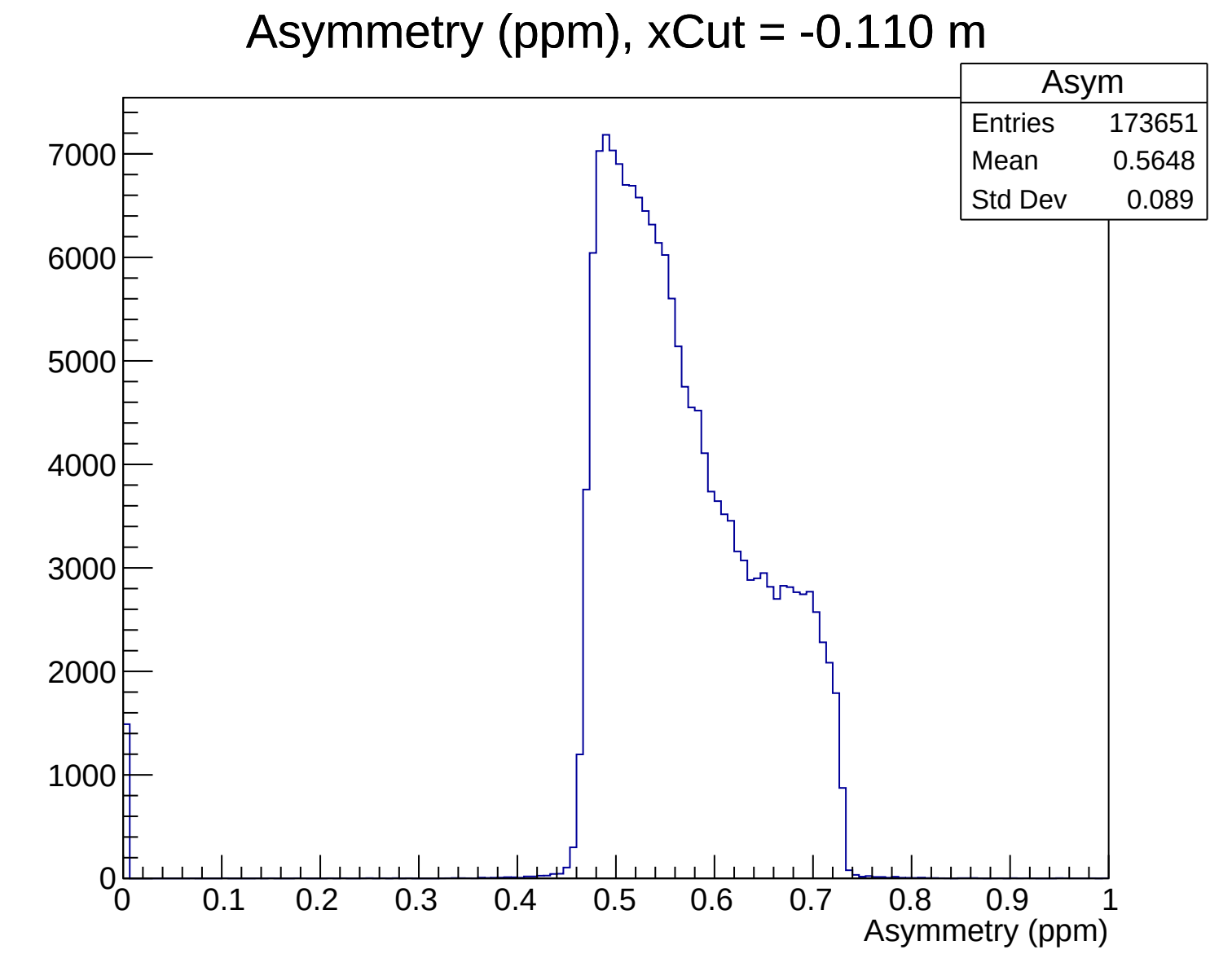

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

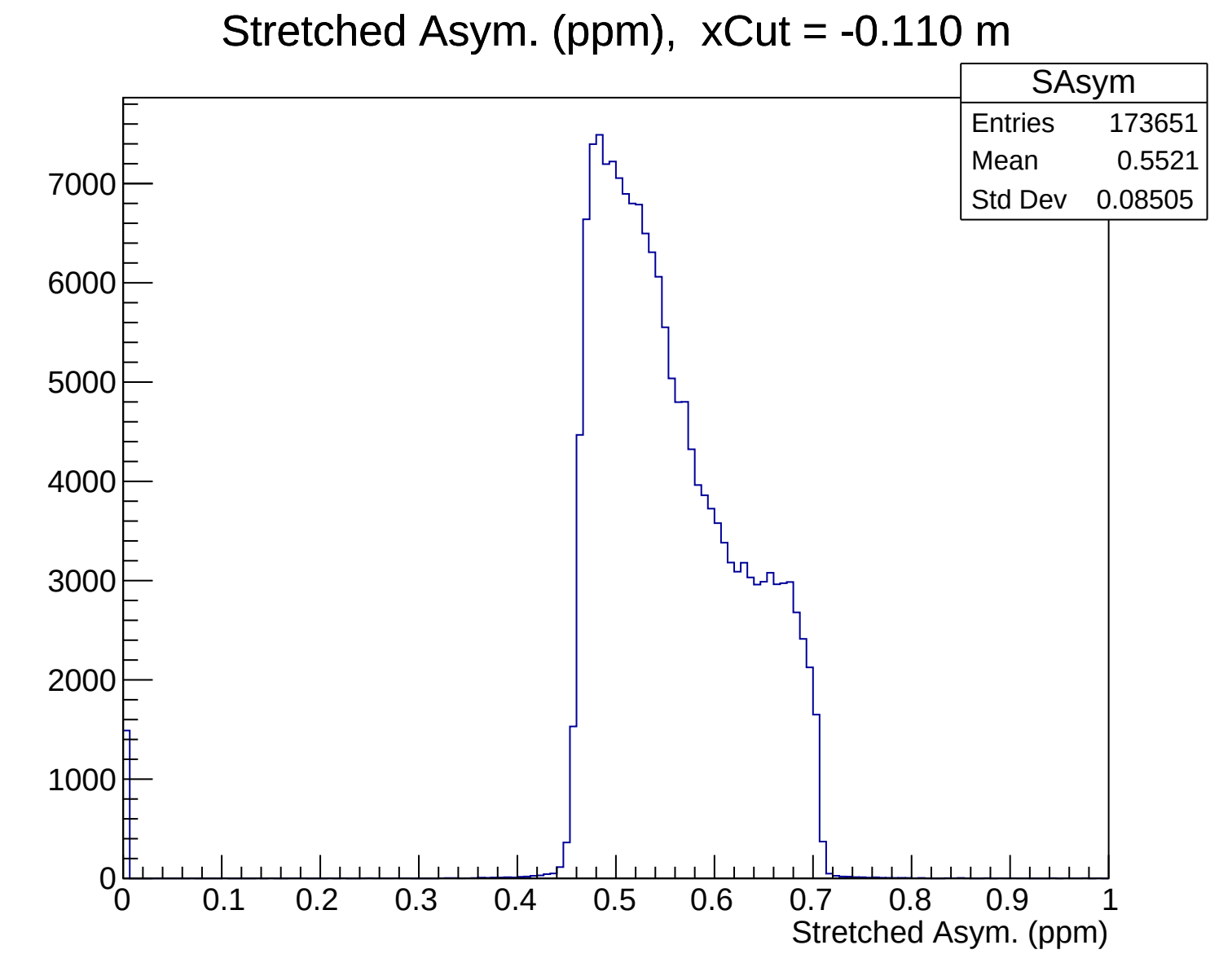

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

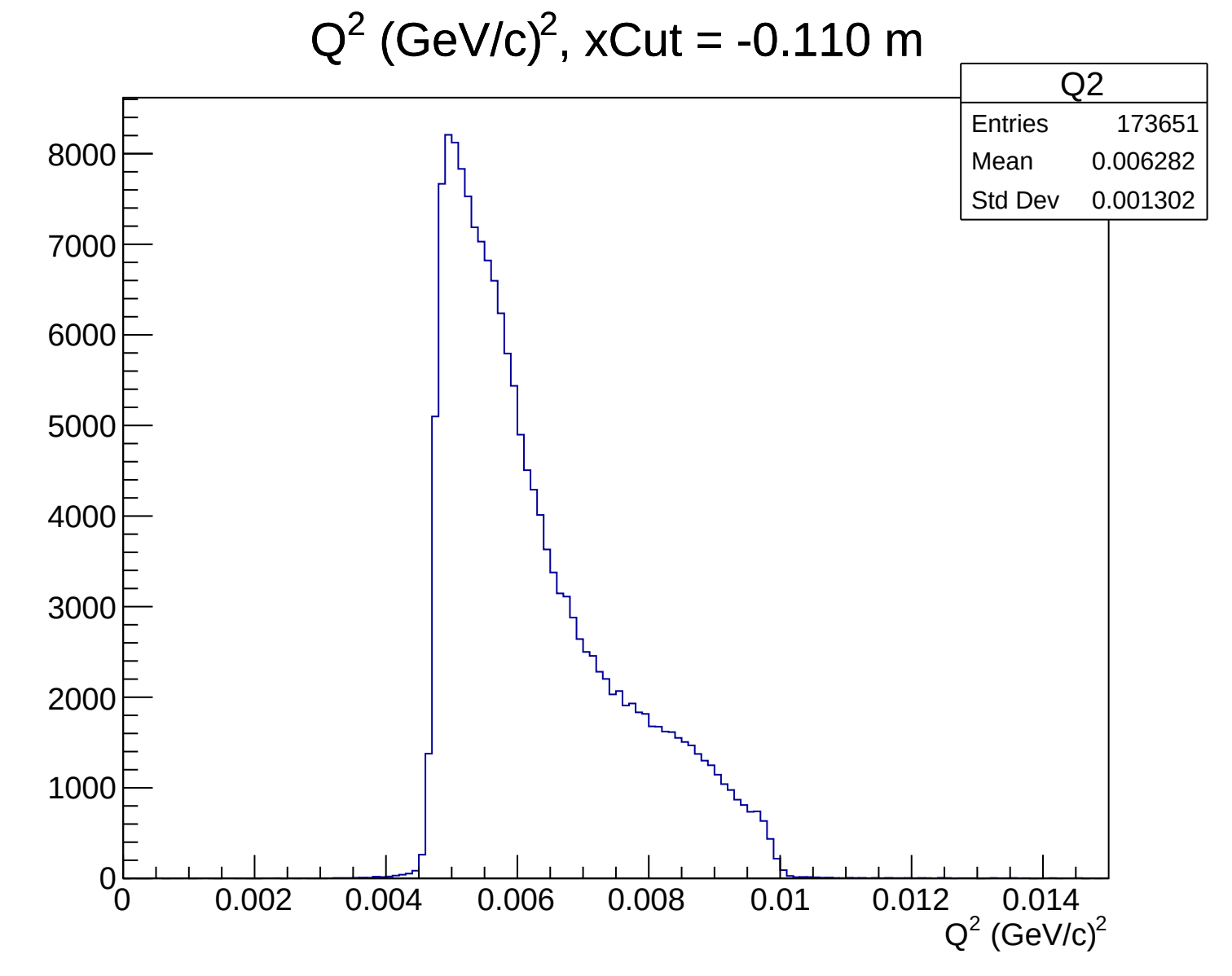

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.0710
R.tr.x[0]+1.3*R.tr.th[0] (m)

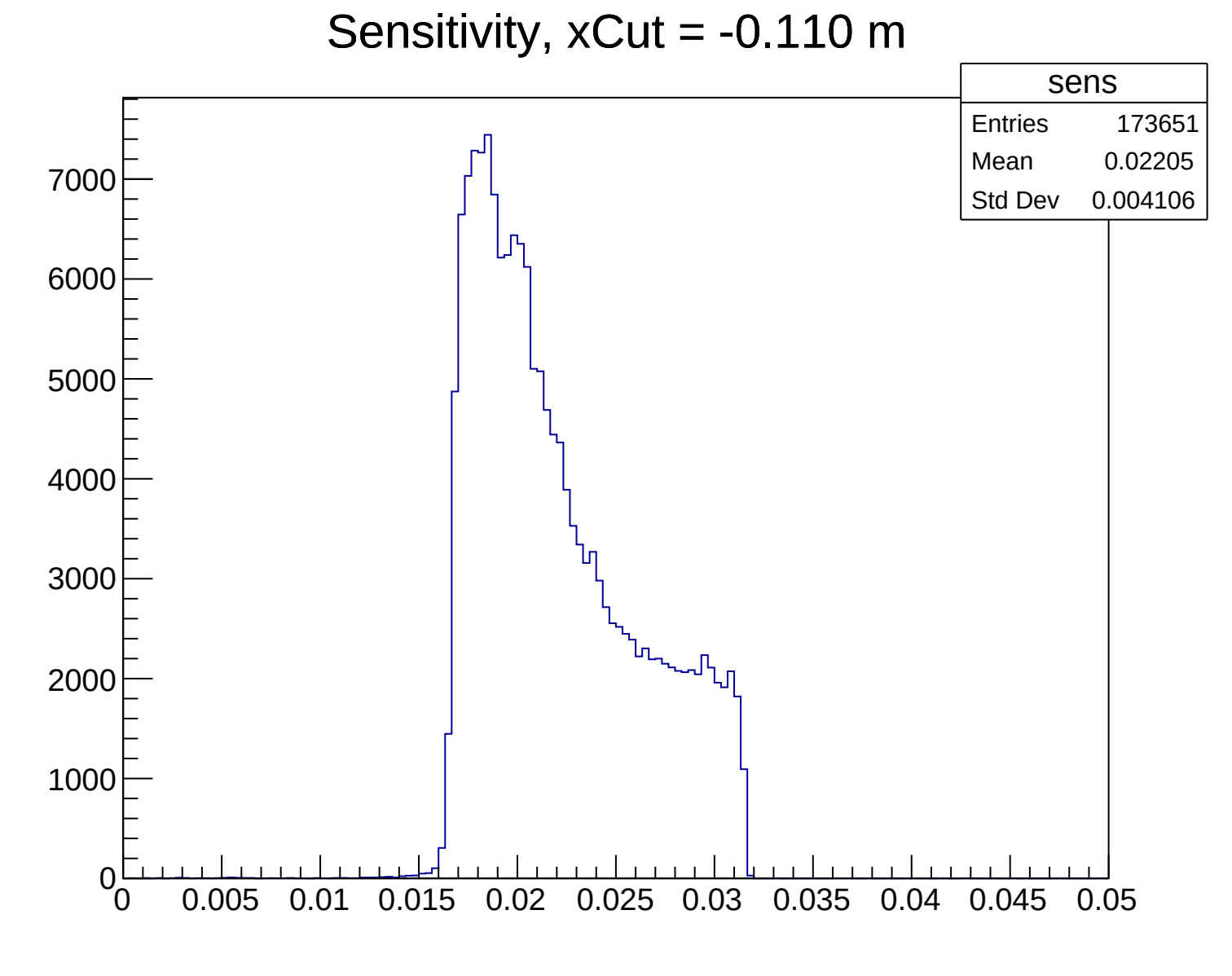

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

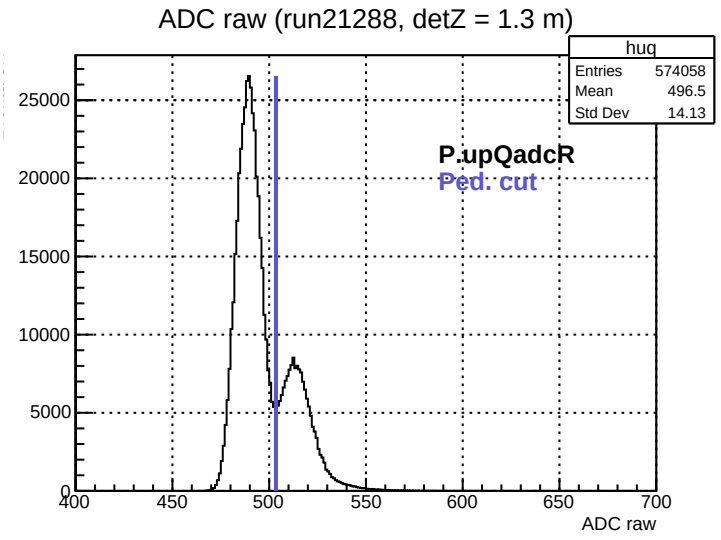

θlab (deg), xCut = -0.110 m
Theta
Entries 173651
Mean 4.767
Std Dev 0.4809
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

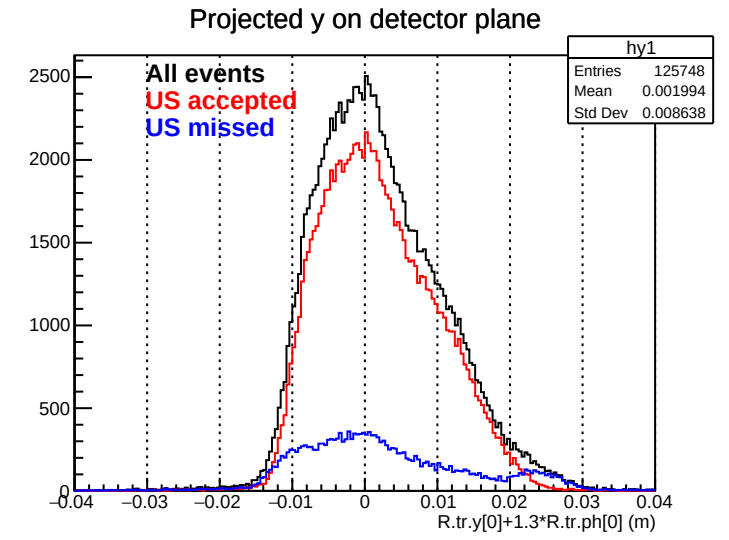

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 173651
Mean 0.5648
Std Dev 0.089
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

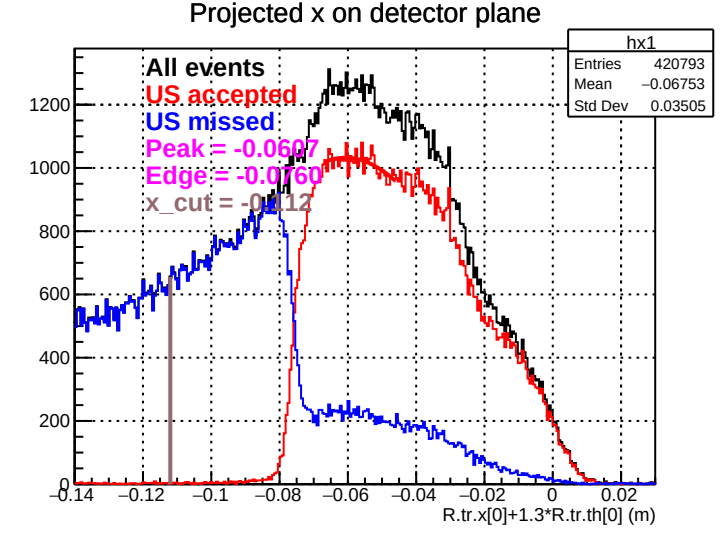

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 173651
Mean 0.5521
Std Dev 0.08505
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

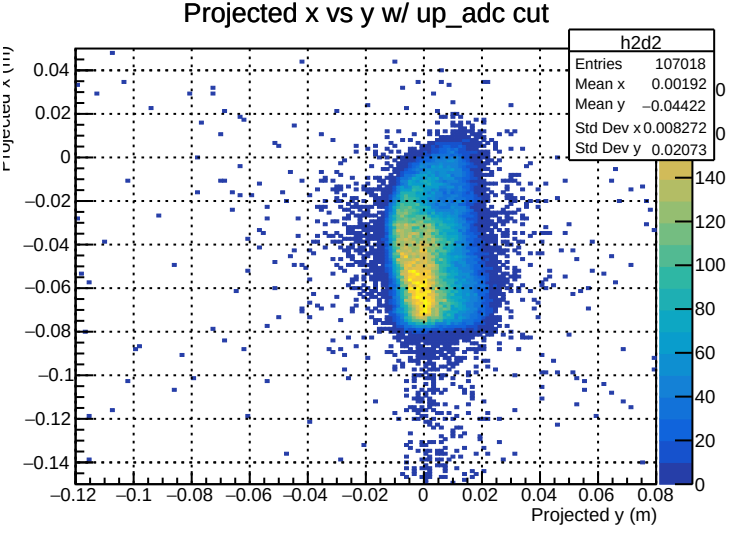

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 173651
Mean 0.006282
Std Dev 0.001302
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

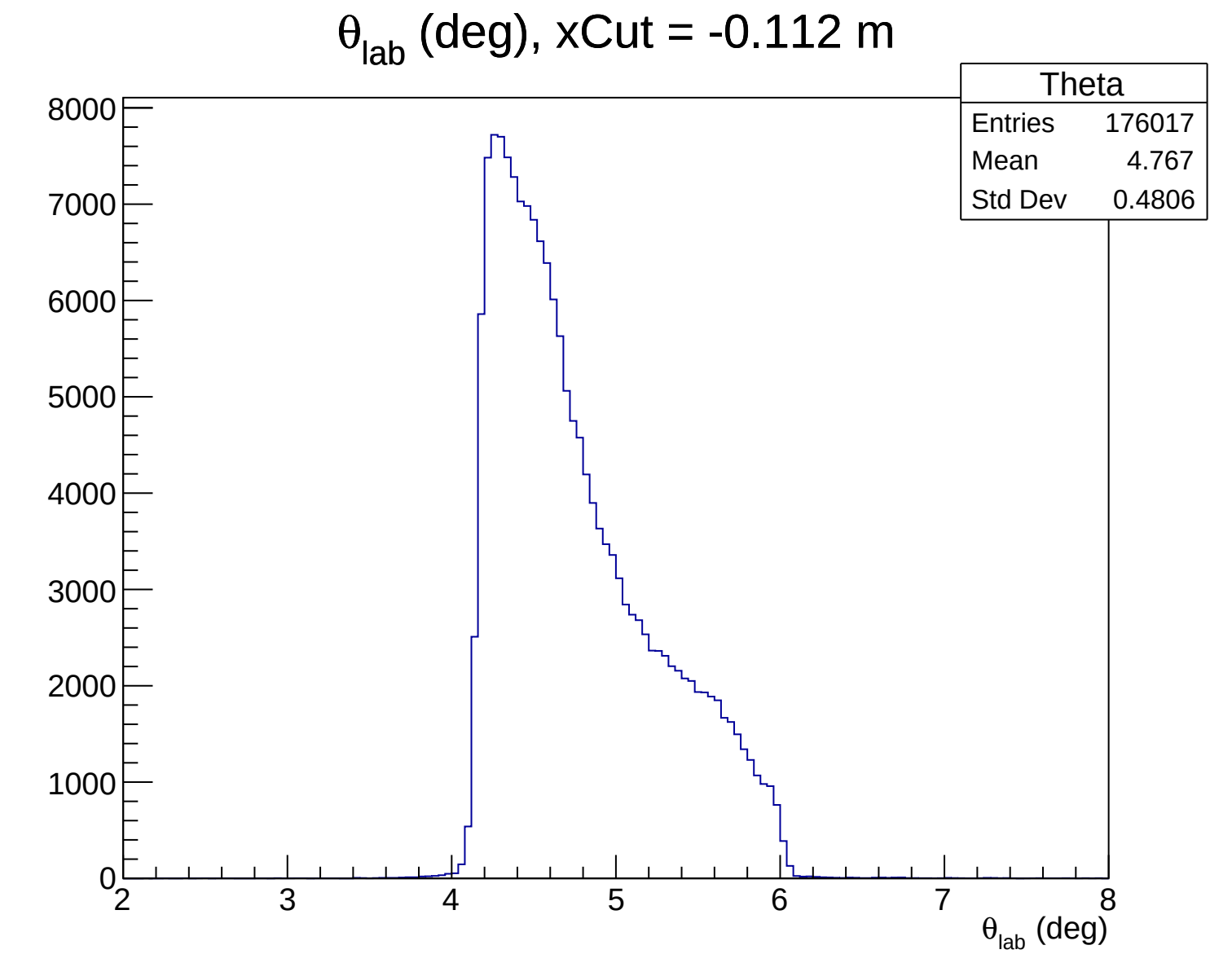

Sensitivity, xCut = -0.110 m
sens
Entries 173651
Mean 0.02205
Std Dev 0.004106
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

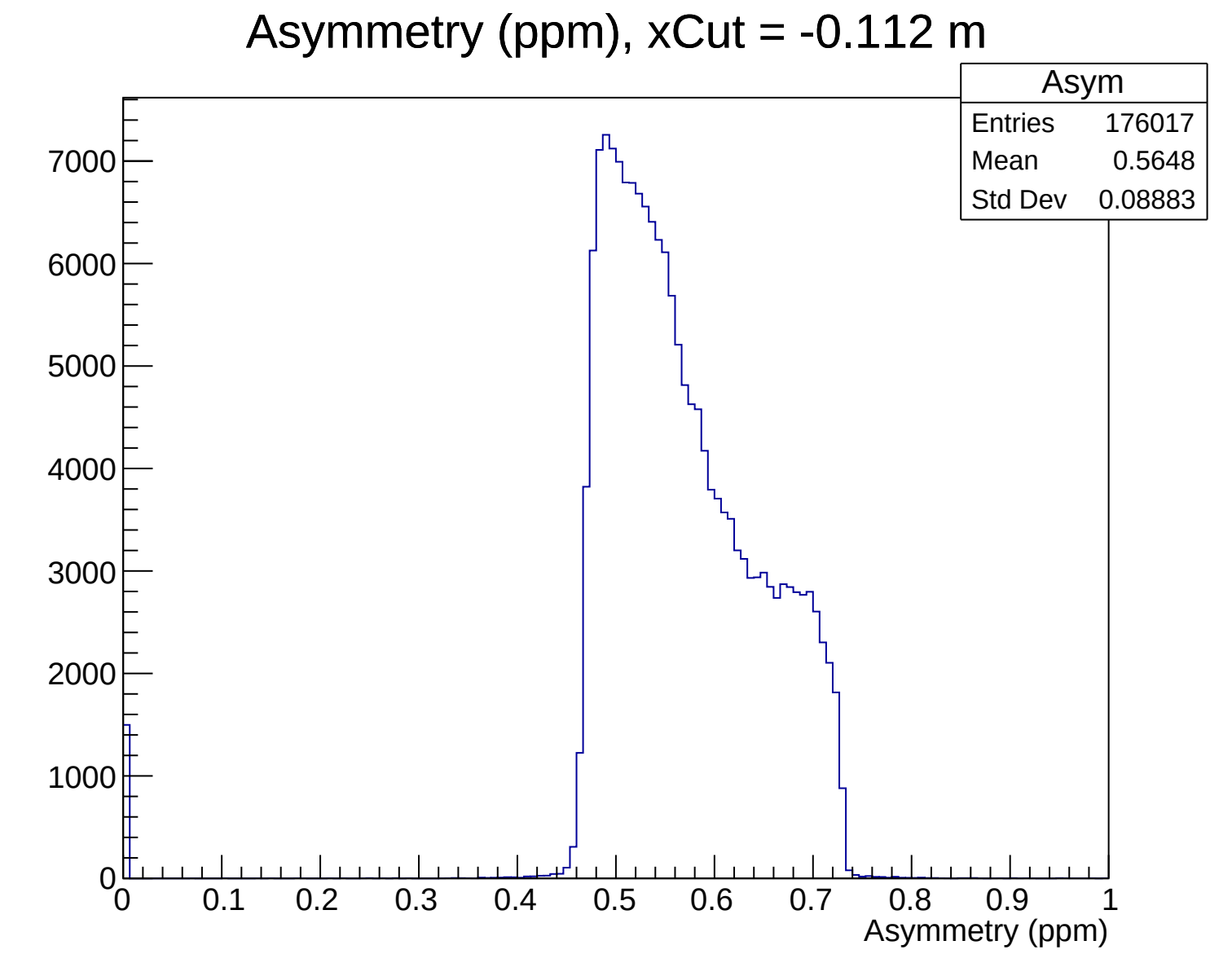

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

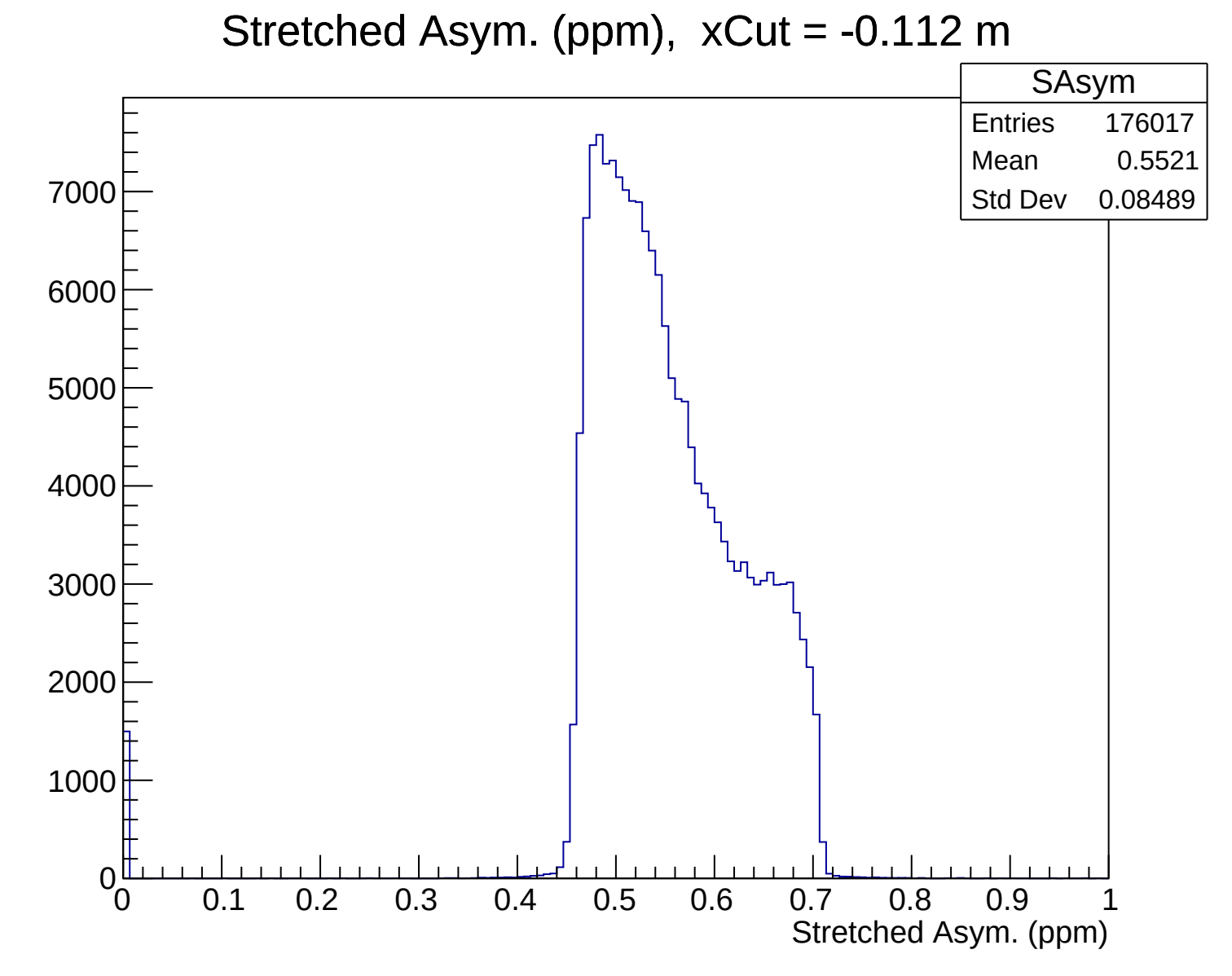

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

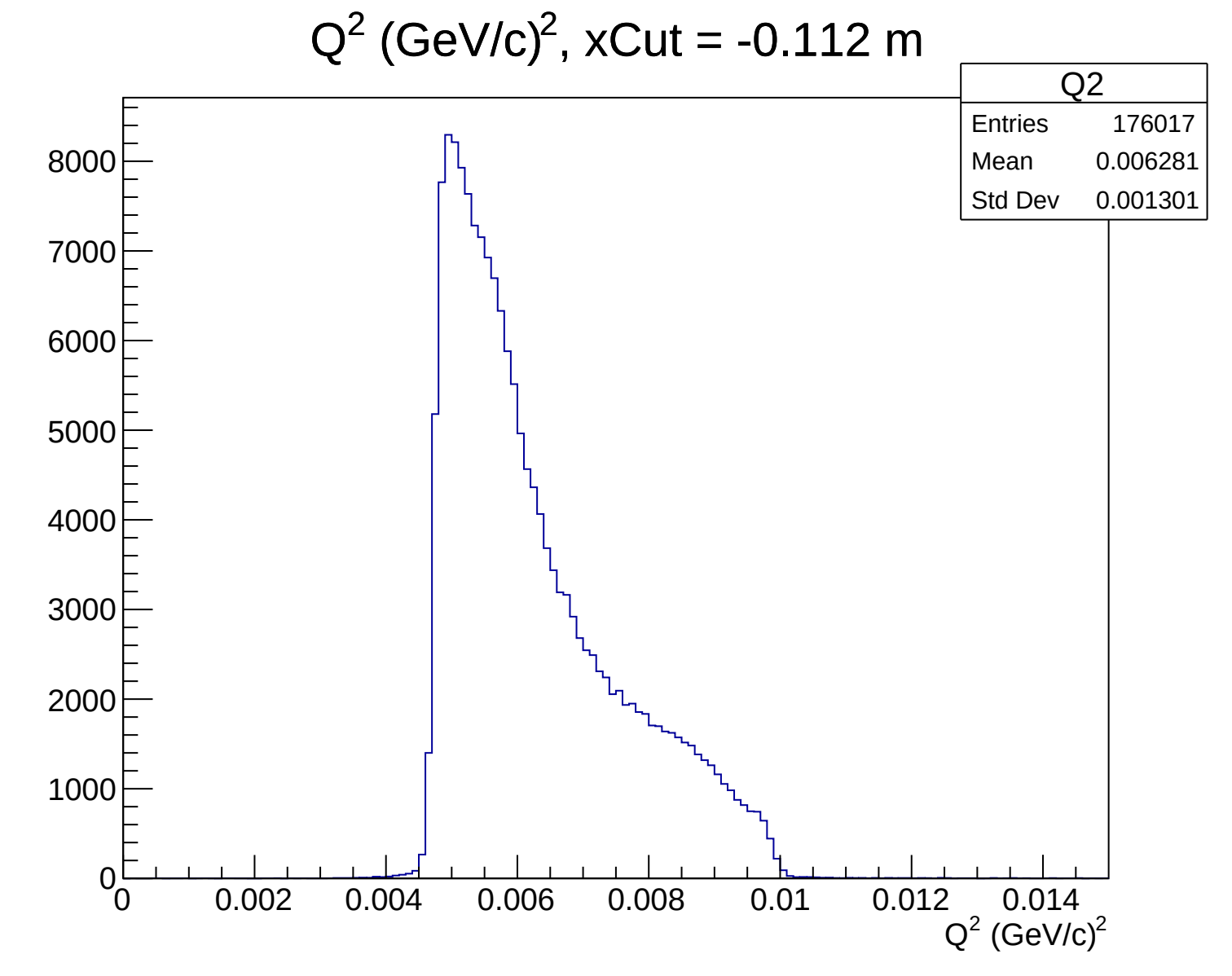

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.112
R.tr.x[0]+1.3*R.tr.th[0] (m)

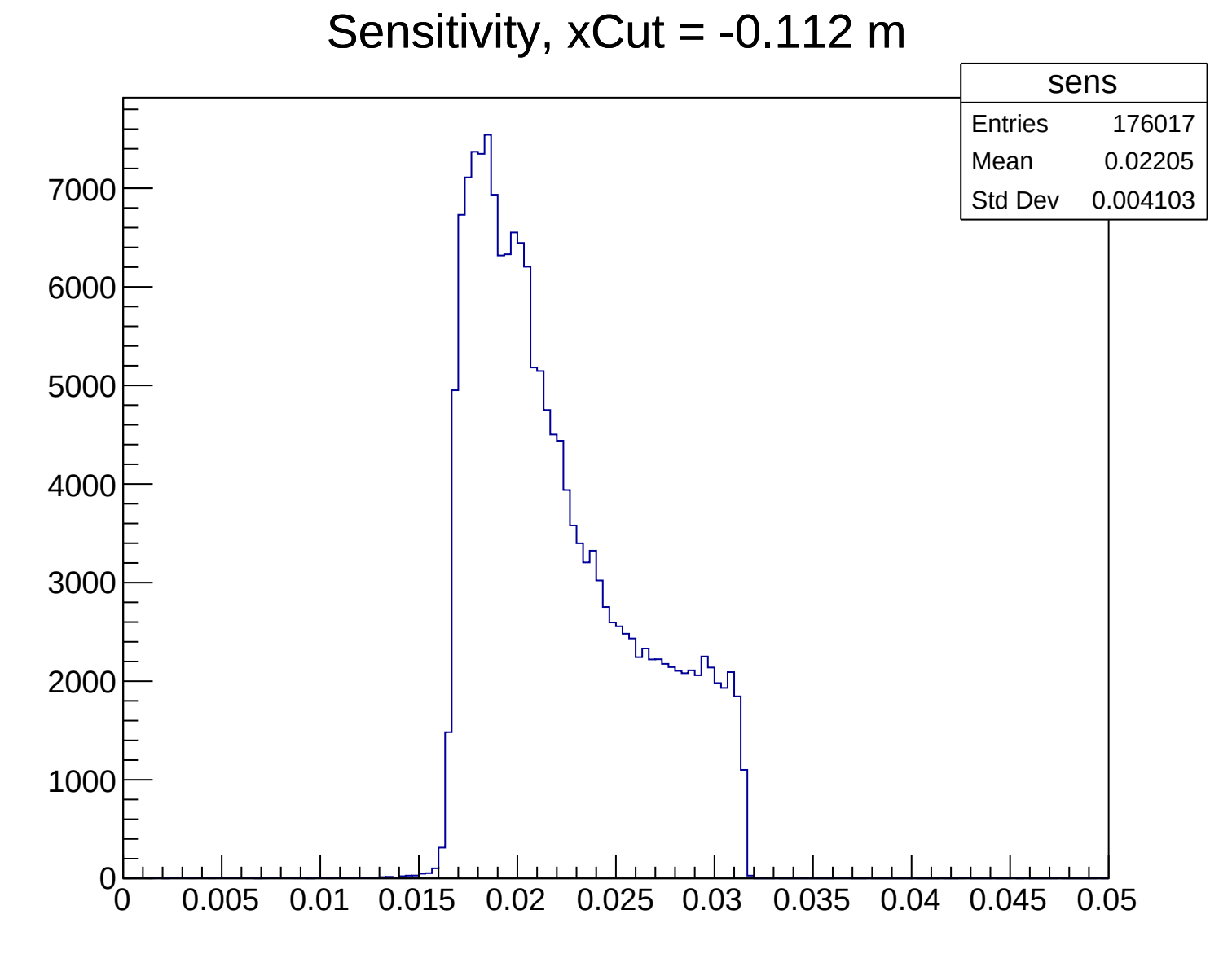

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected y (m)

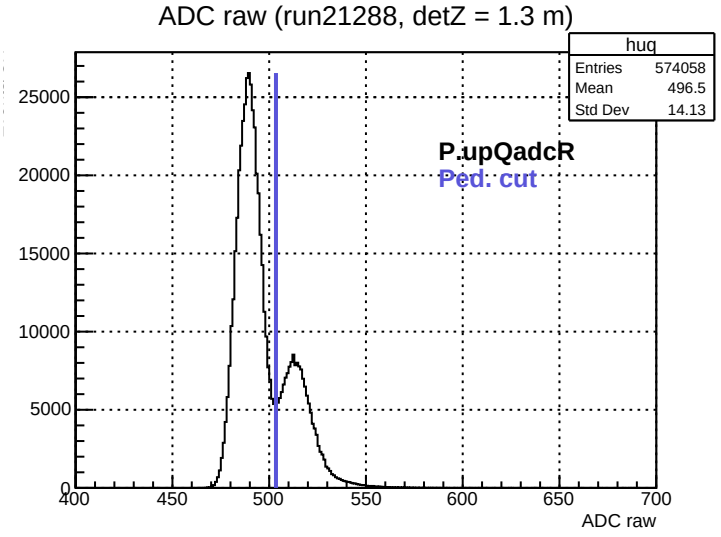

θlab (deg), xCut = -0.112 m
Theta
Entries 176017
Mean 4.767
Std Dev 0.4806
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

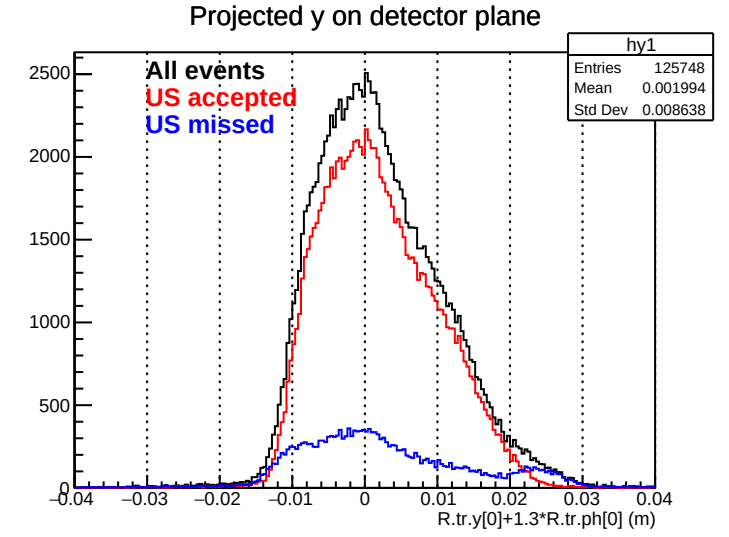

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 176017
Mean 0.5648
Std Dev 0.08883
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

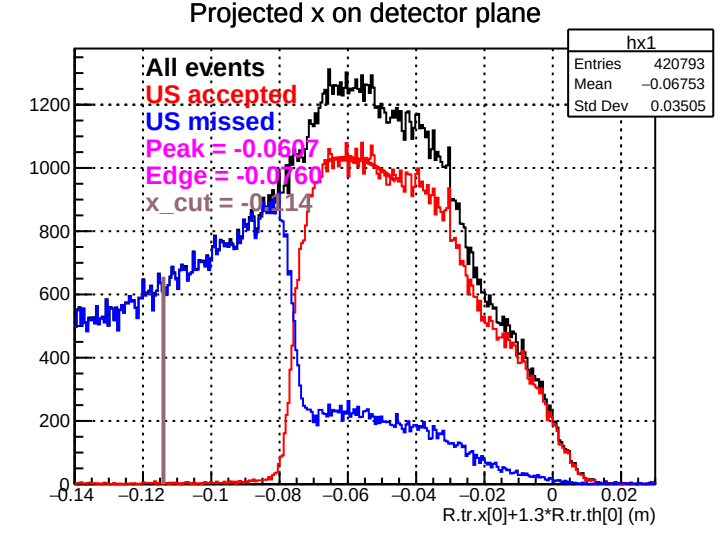

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 176017
Mean 0.5521
Std Dev 0.08489
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

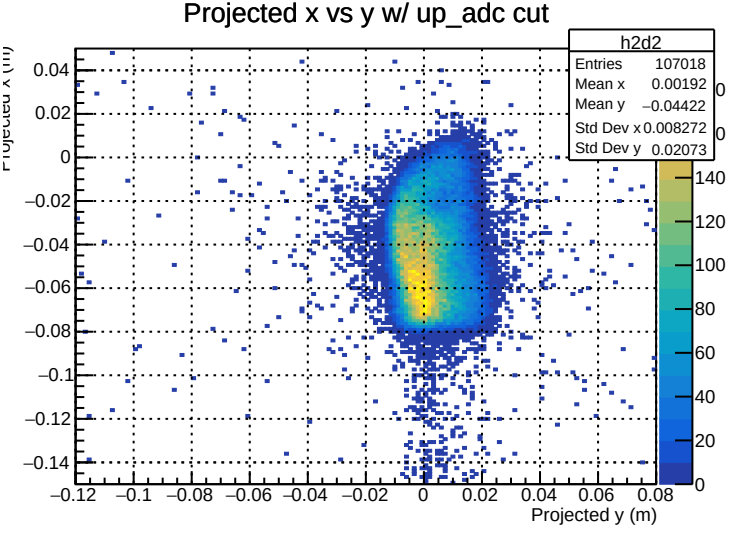

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 176017
Mean 0.006281
Std Dev 0.001301
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

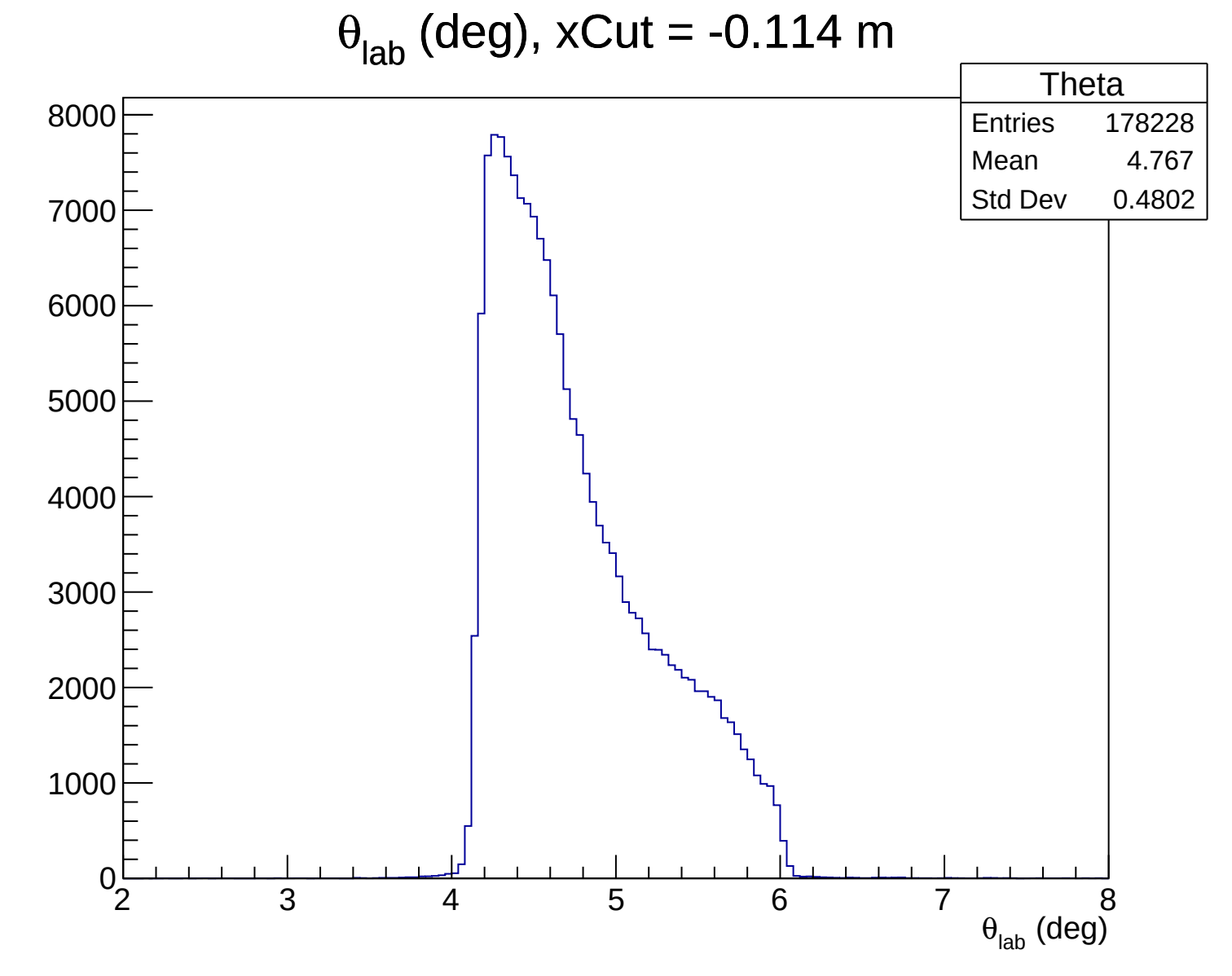

Sensitivity, xCut = -0.112 m
sens
Entries 176017
Mean 0.02205
Std Dev 0.004103
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

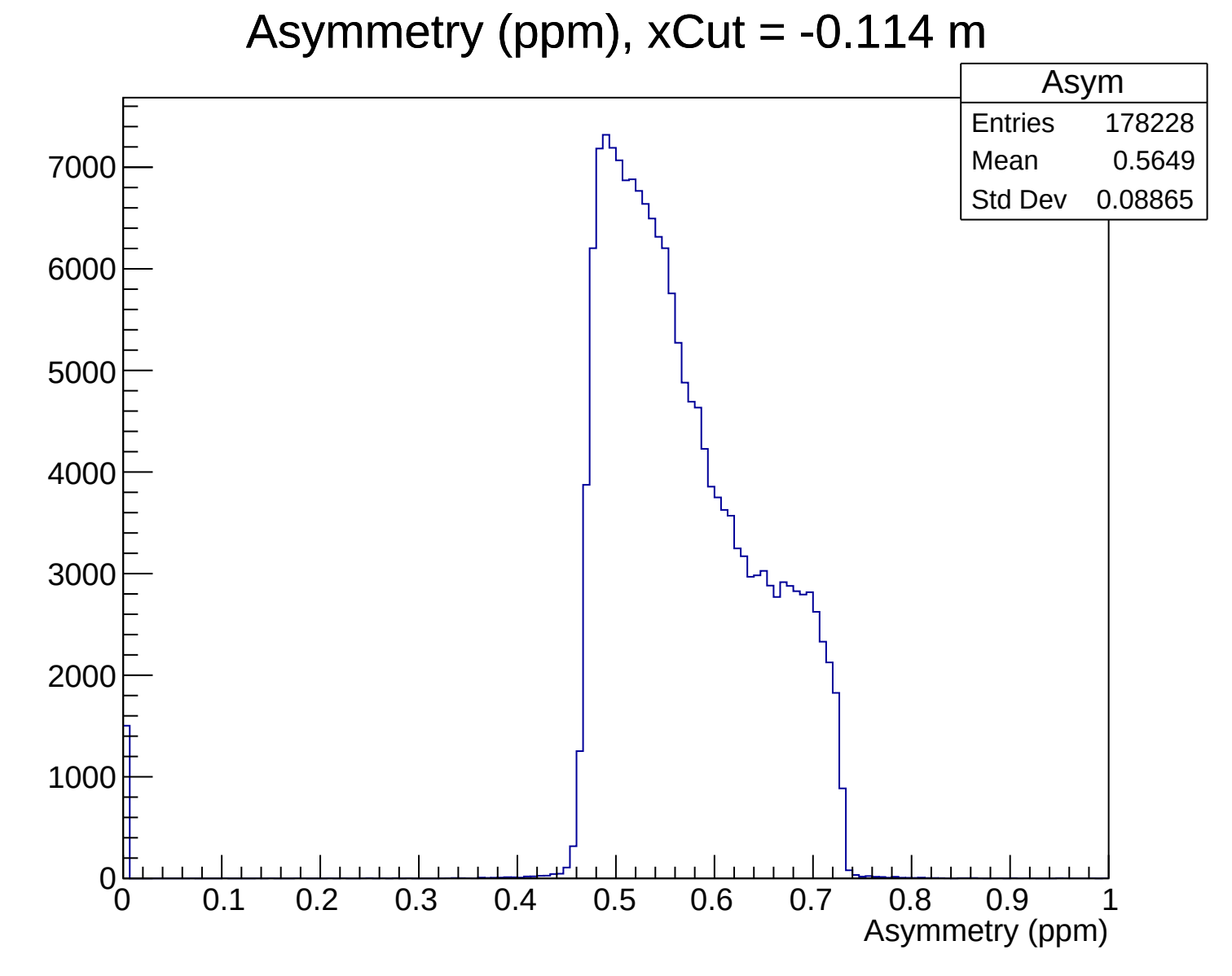

ADC raw (run21288, detZ = 1.3 m)
huq
Entries 574058
Mean 496.5
Std Dev 14.13
P.upQadcR
Ped. cut
ADC raw

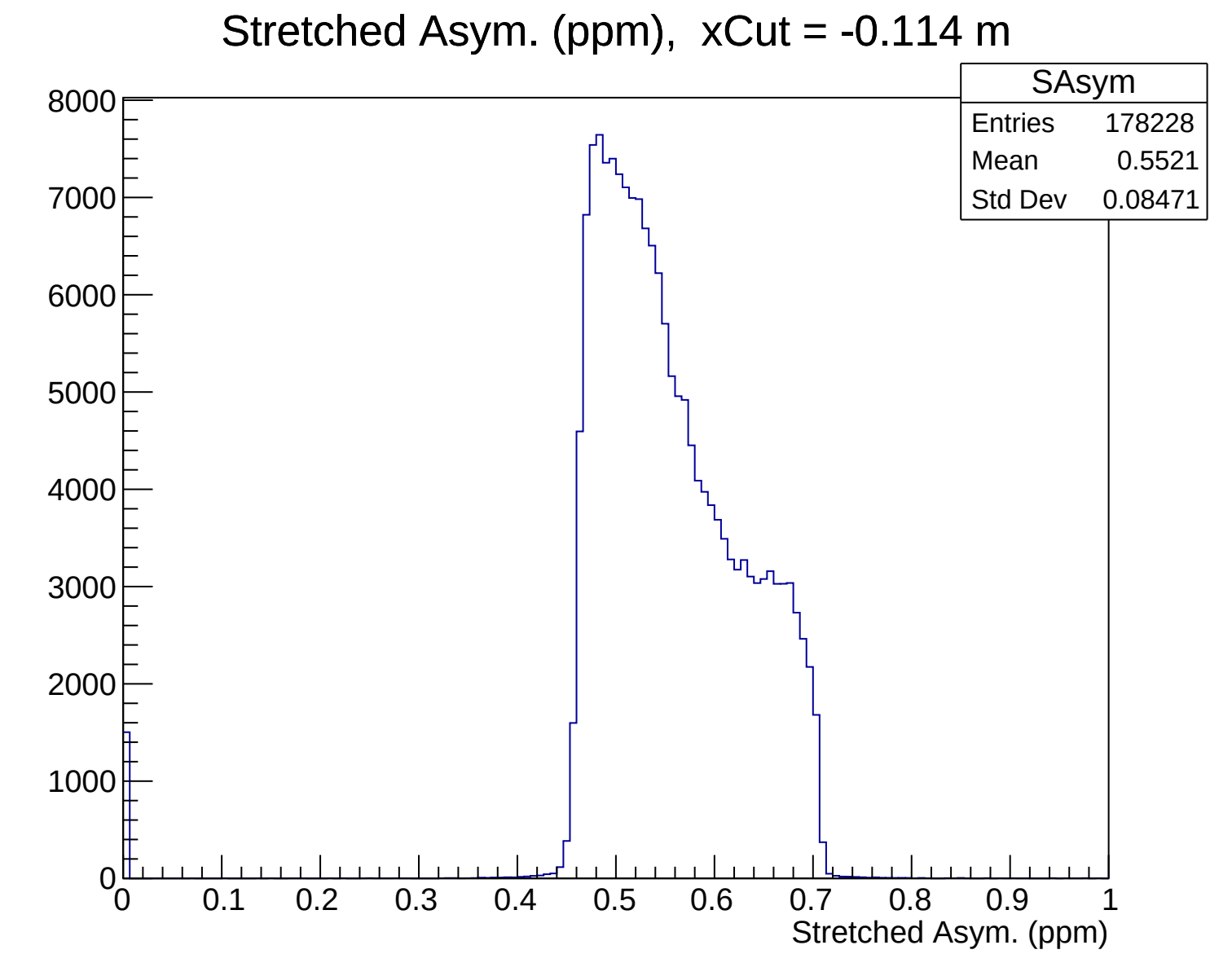

Projected y on detector plane
hy1
Entries 125748
Mean 0.001994
Std Dev 0.008638
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

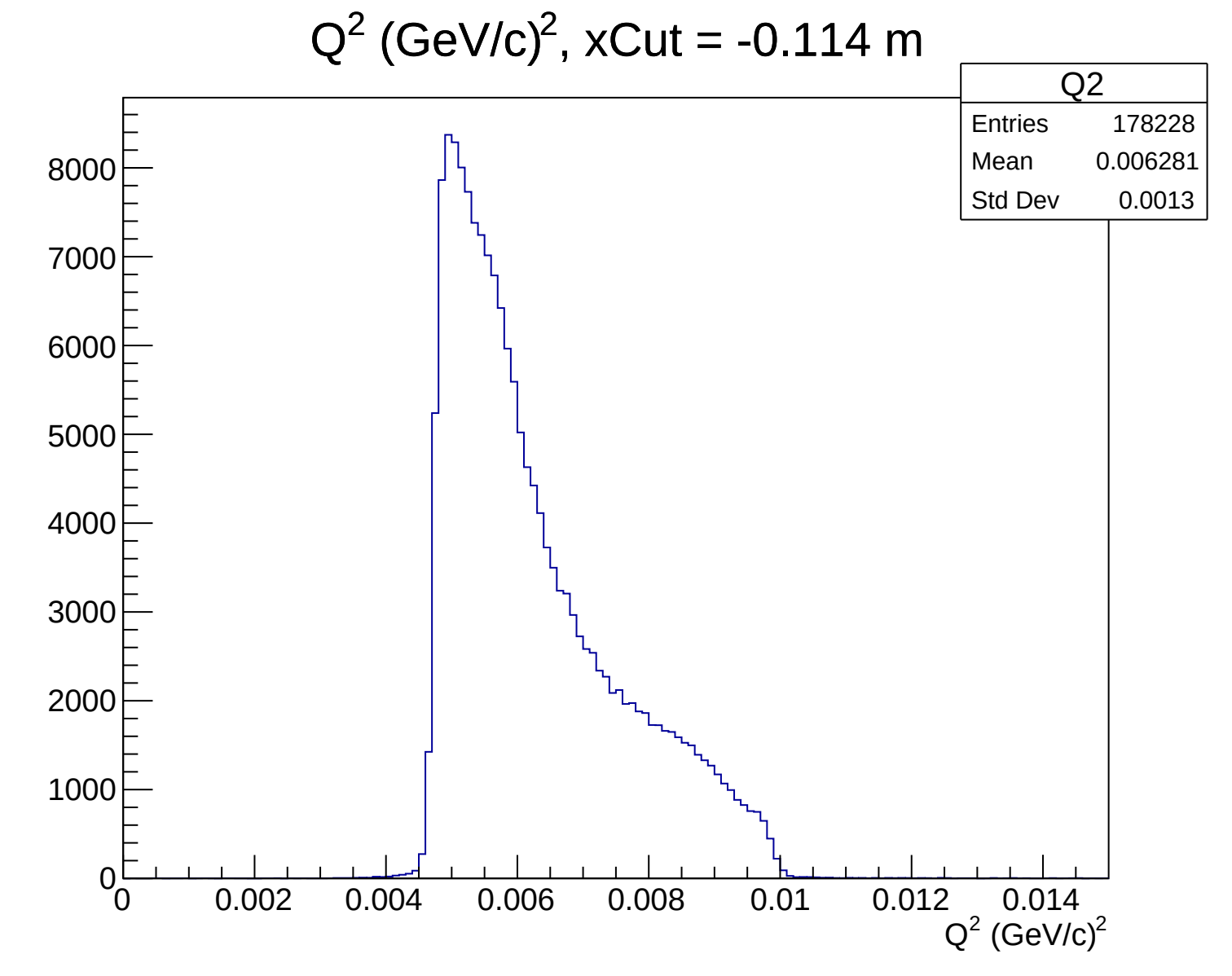

Projected x on detector plane
hx1
Entries 420793
Mean −0.06753
Std Dev 0.03505
All events
US accepted
US missed
Peak = -0.0607
Edge = -0.0760
x_cut = -0.0714
R.tr.x[0]+1.3*R.tr.th[0] (m)

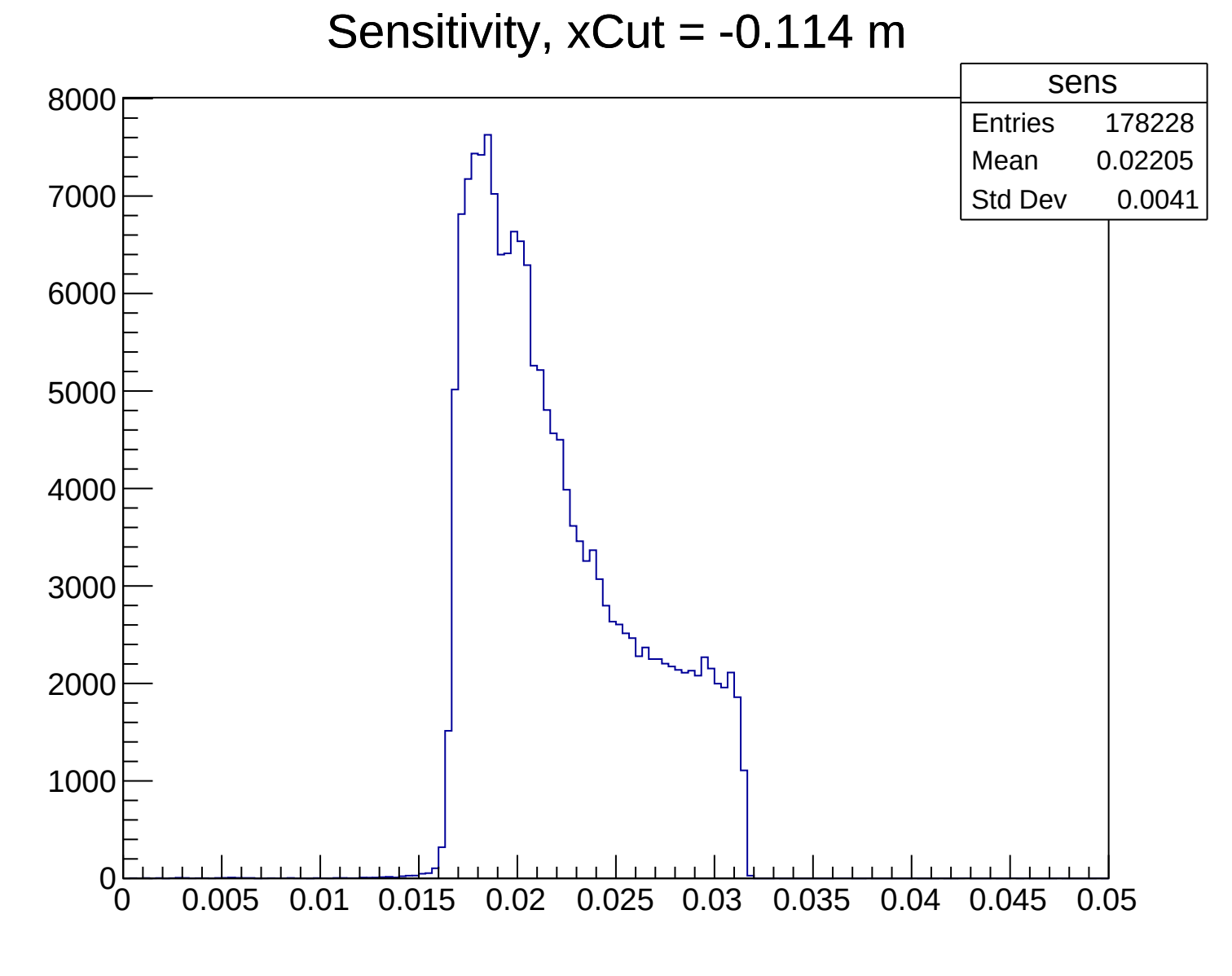

Projected x vs y w/ up_adc cut
h2d2
Entries 107018
Mean x 0.00192
Mean y −0.04422
Std Dev x 0.008272
Std Dev y 0.02073
Projected x (m)
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 178228
Mean 4.767
Std Dev 0.4802
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 178228
Mean 0.5649
Std Dev 0.08865
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 178228
Mean 0.5521
Std Dev 0.08471
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, xCut = -0.114 m
Q2
Entries 178228
Mean 0.006281
Std Dev 0.0013
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, xCut = -0.114 m
sens
Entries 178228
Mean 0.02205
Std Dev 0.0041
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05