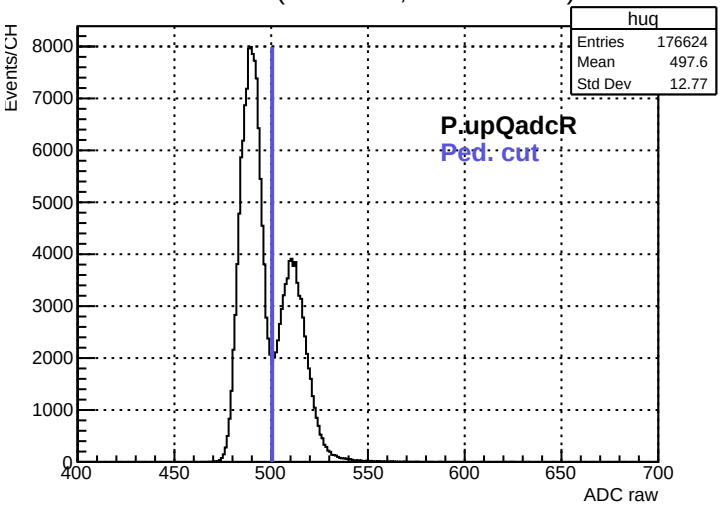
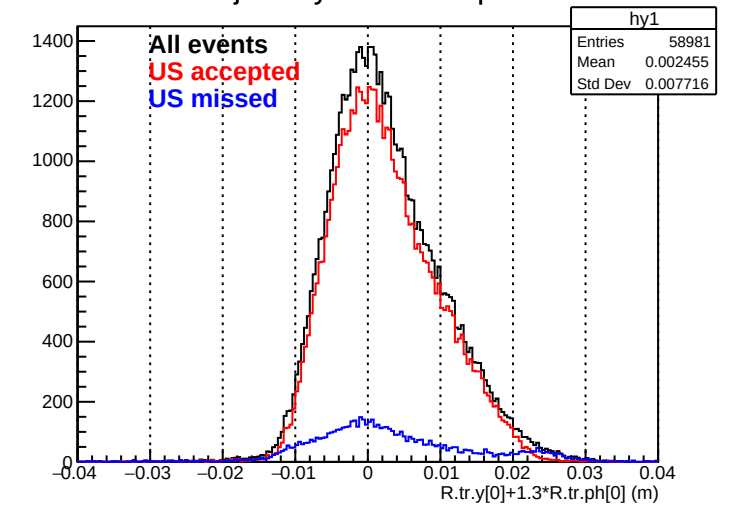
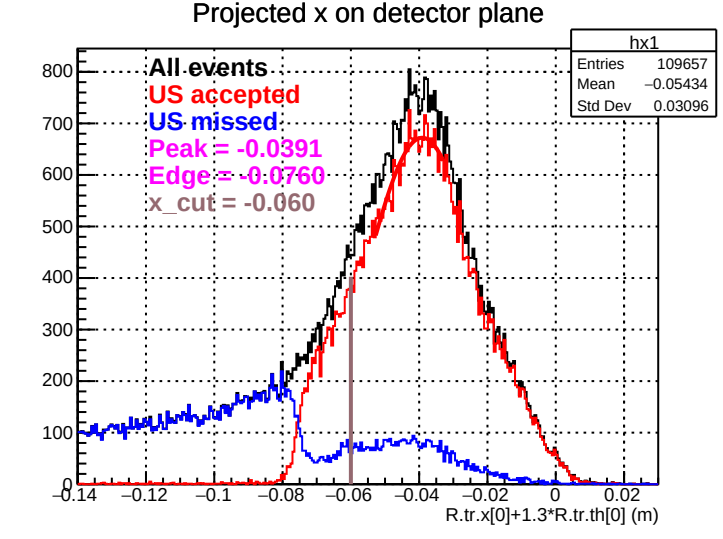
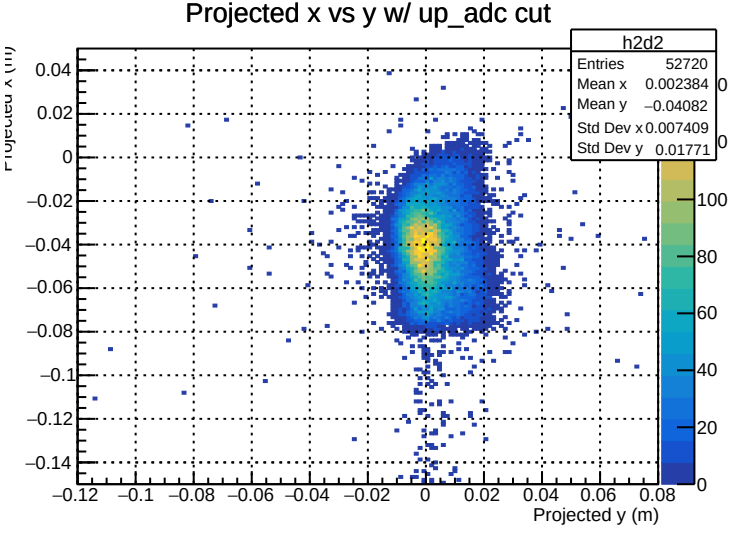
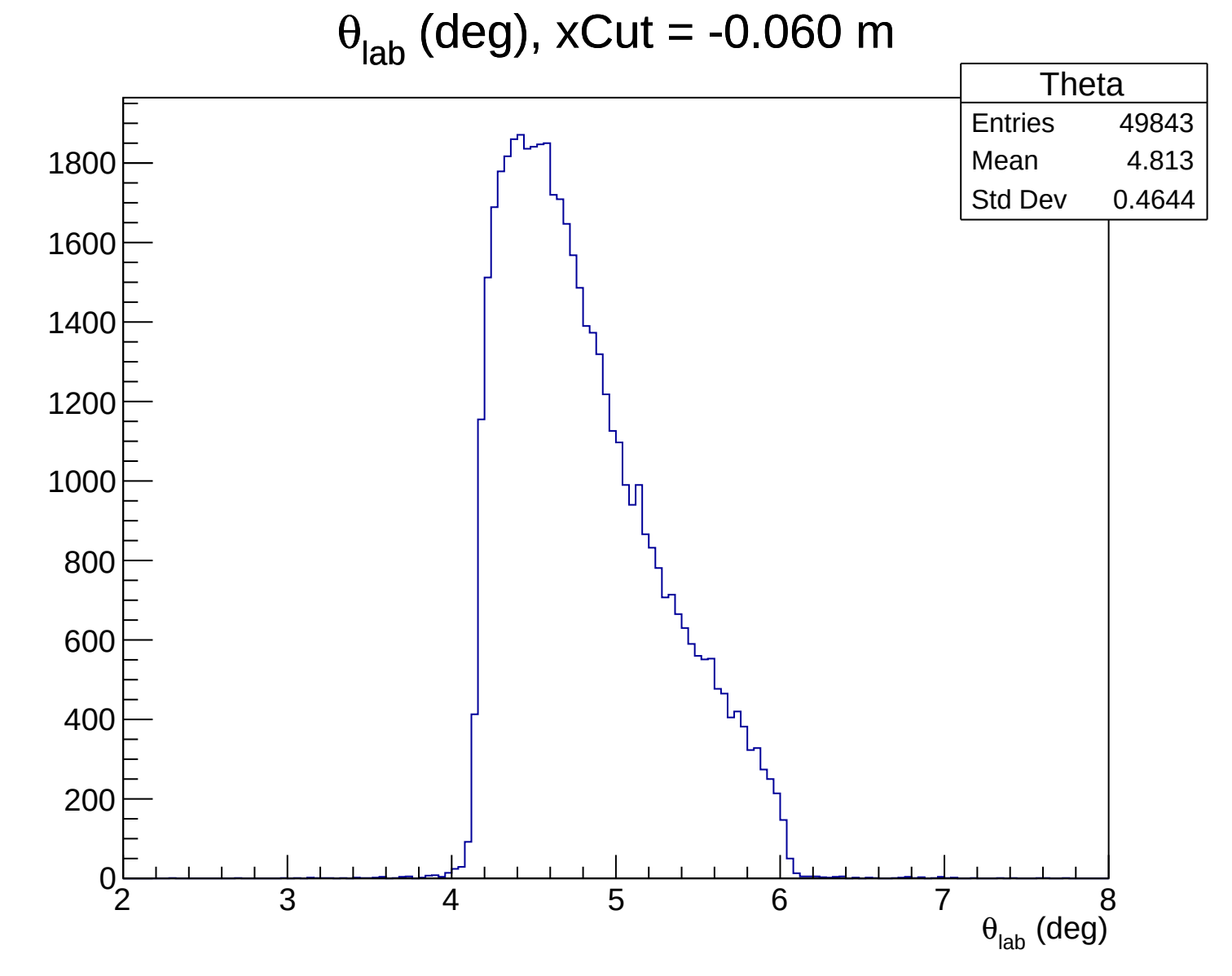
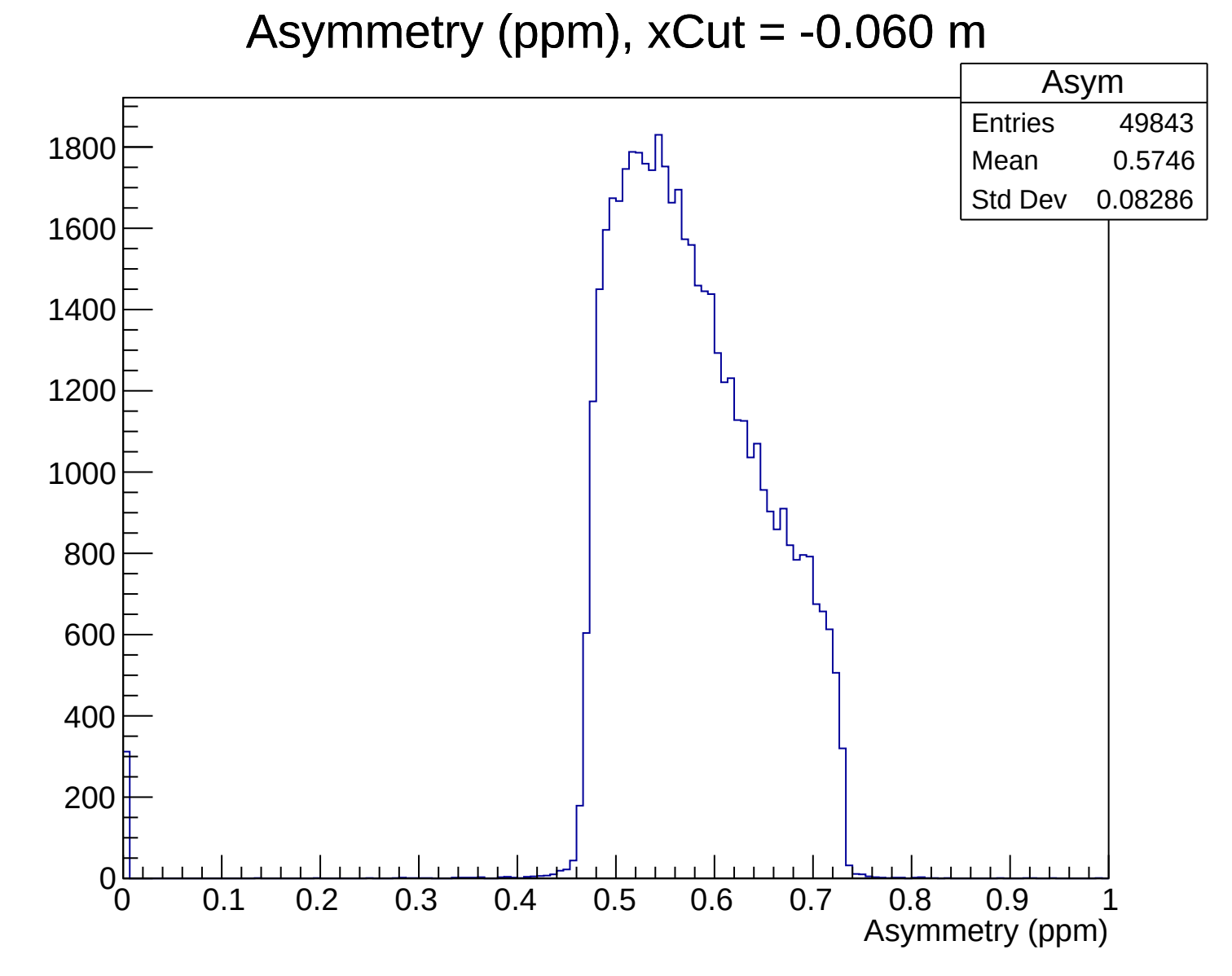

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

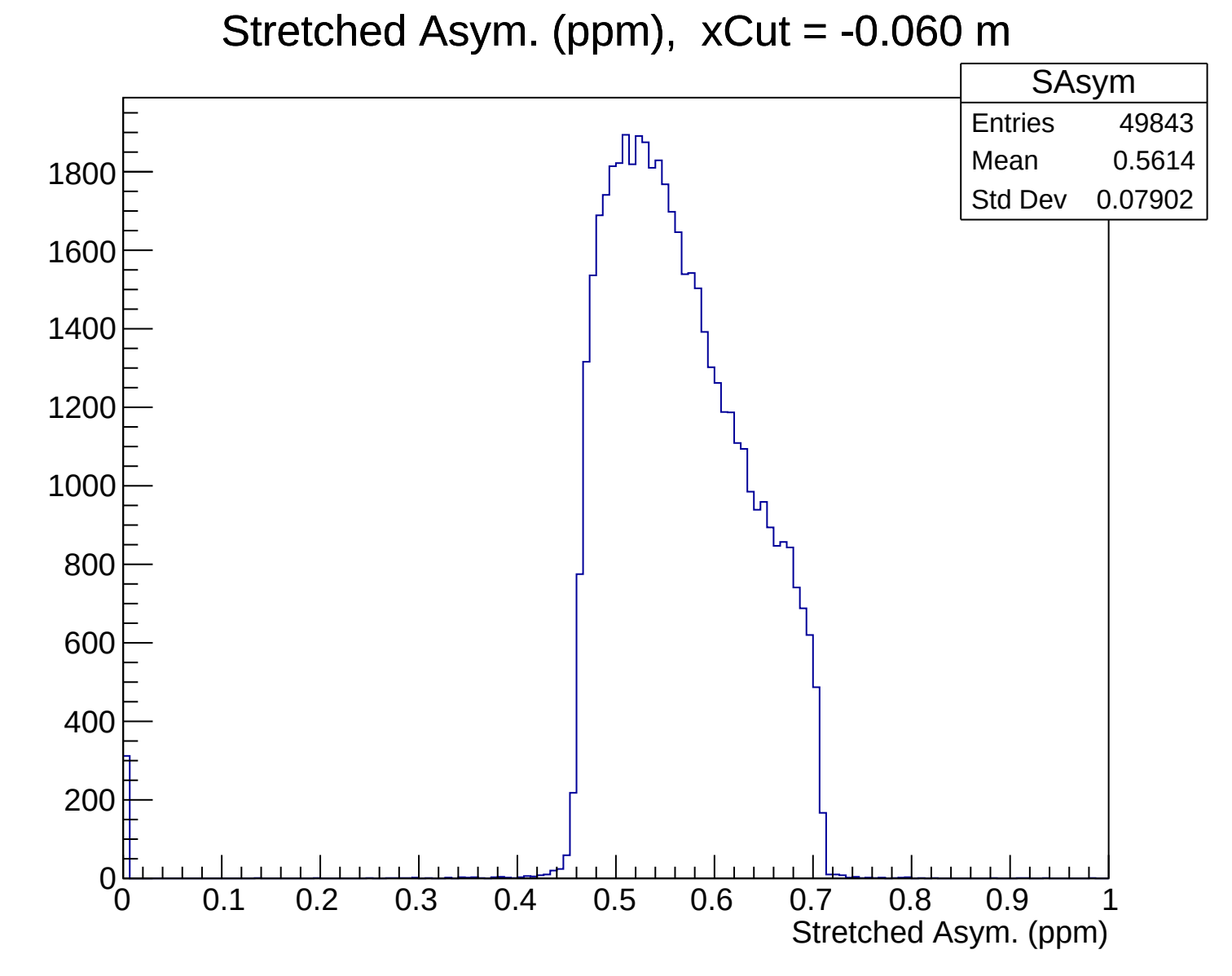

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

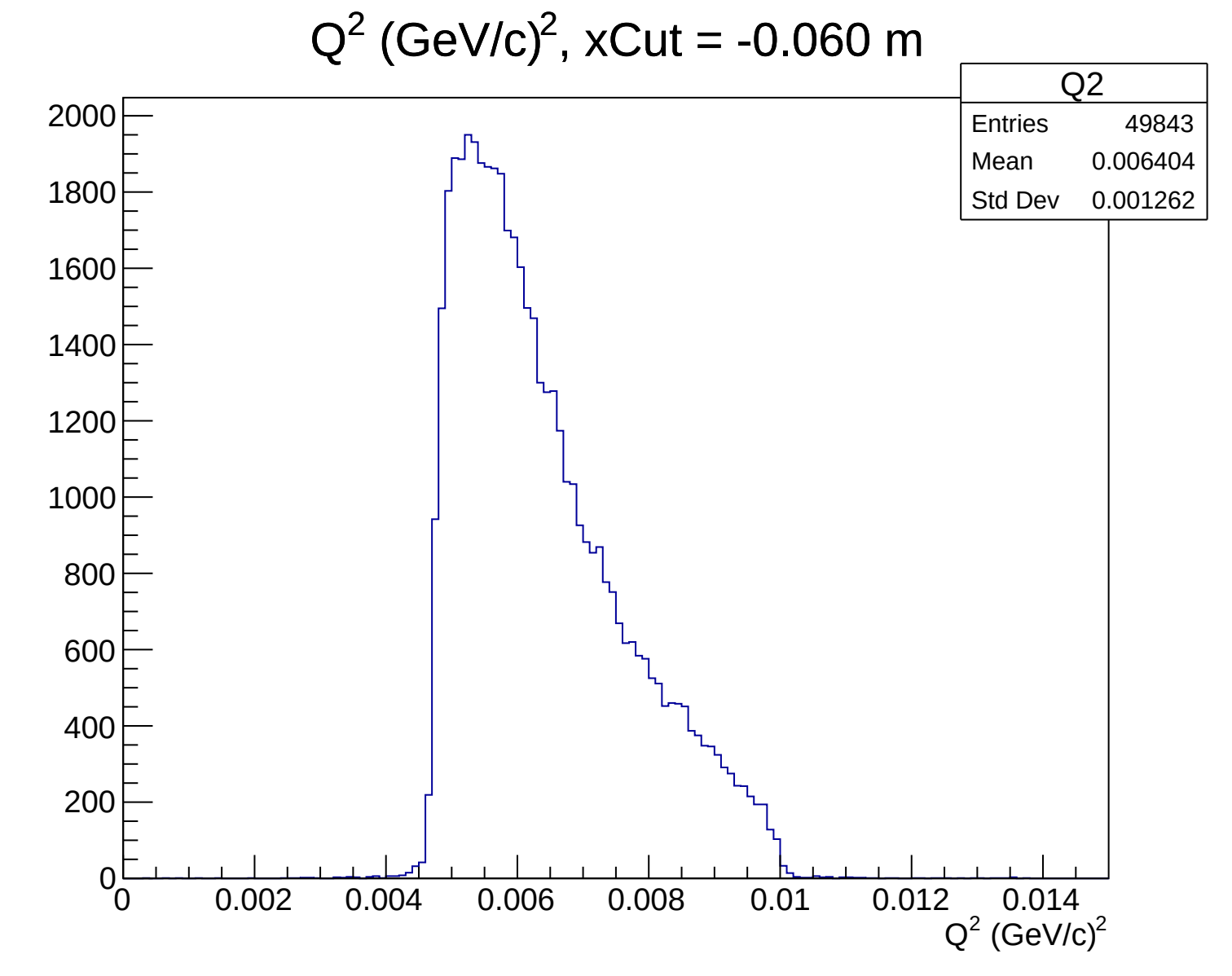

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.060
R.tr.x[0]+1.3*R.tr.th[0] (m)

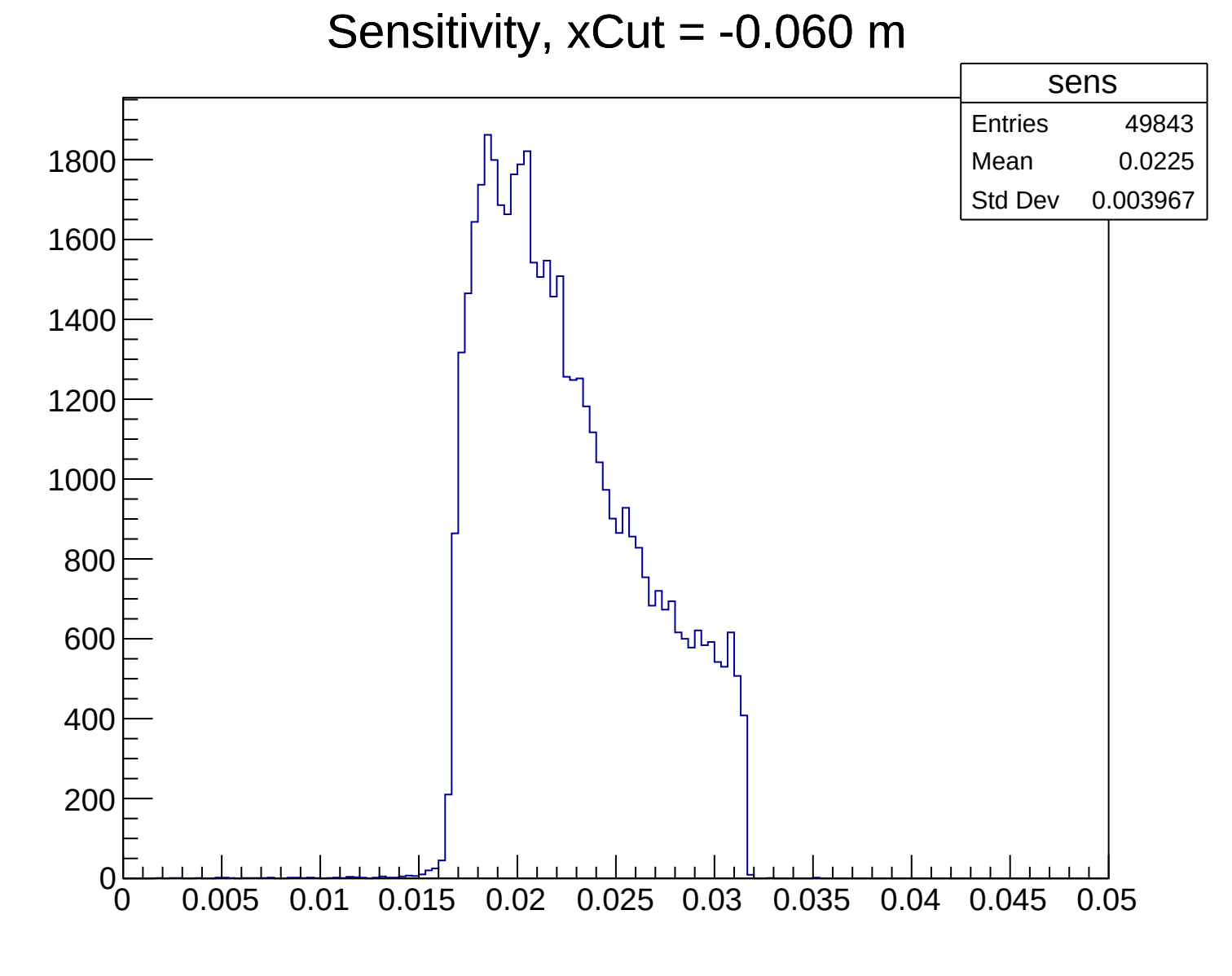

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

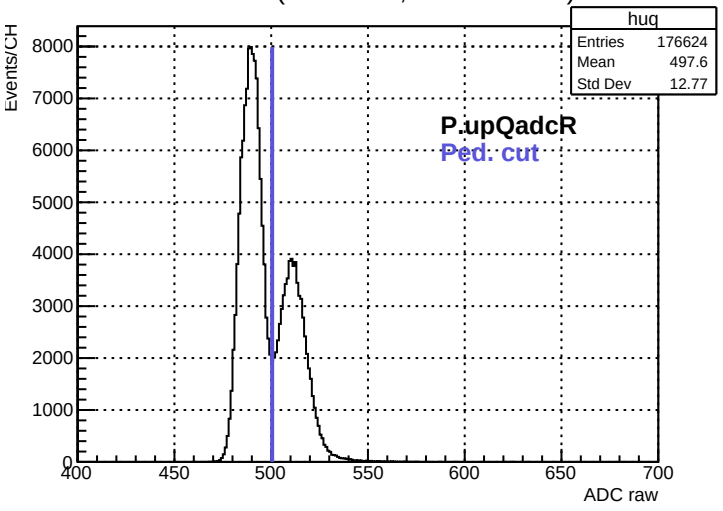

θlab (deg), xCut = -0.060 m
Theta
Entries 49843
Mean 4.813
Std Dev 0.4644
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

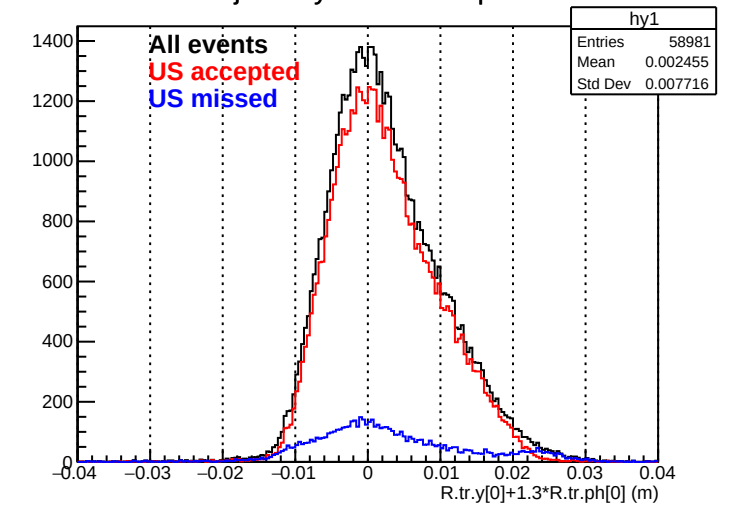

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 49843
Mean 0.5746
Std Dev 0.08286
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

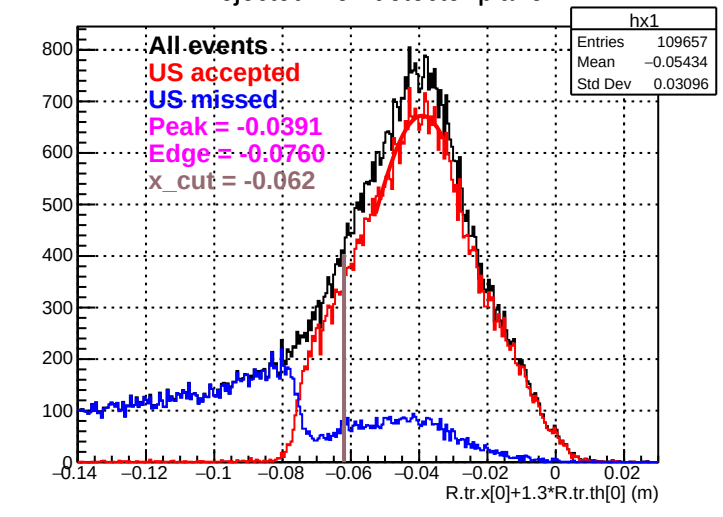

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 49843
Mean 0.5614
Std Dev 0.07902
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

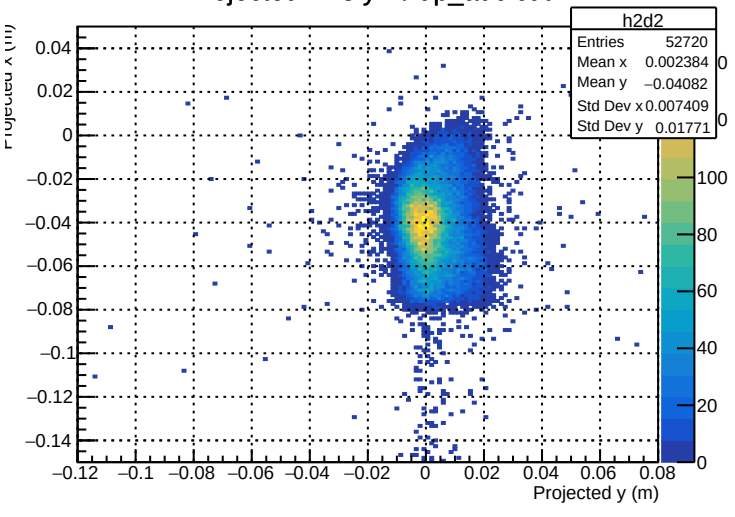

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 49843
Mean 0.006404
Std Dev 0.001262
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

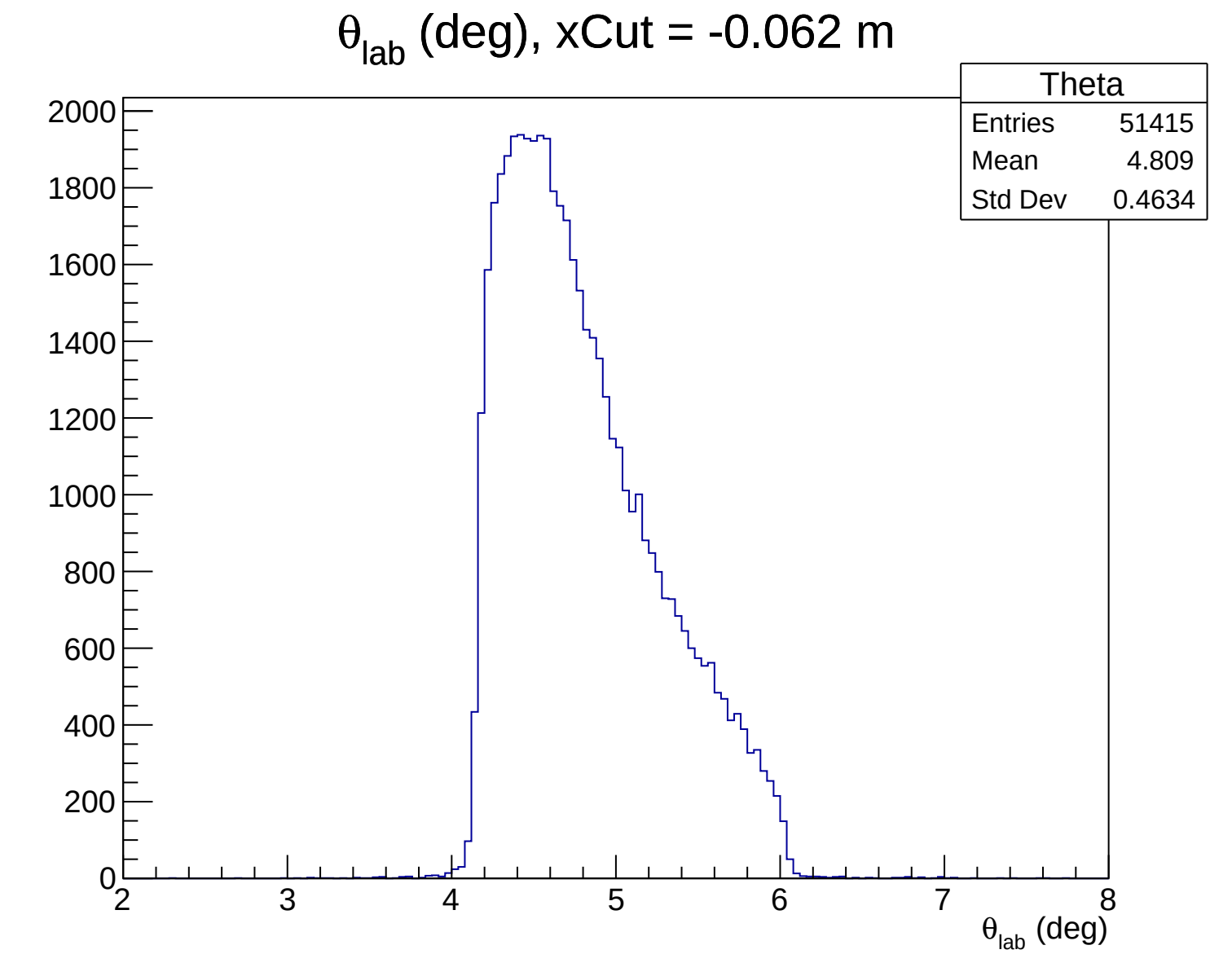

Sensitivity, xCut = -0.060 m
sens
Entries 49843
Mean 0.0225
Std Dev 0.003967
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

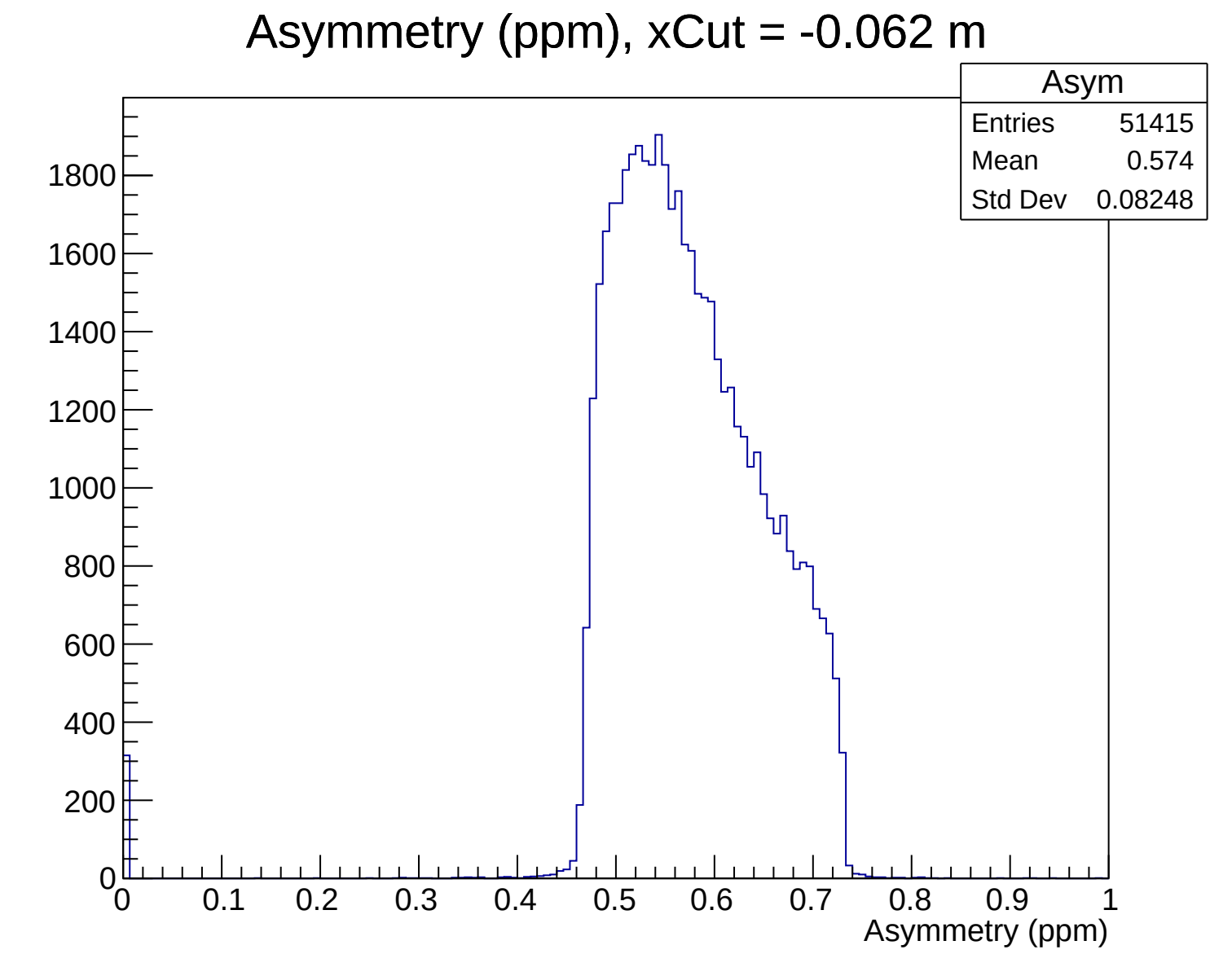

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

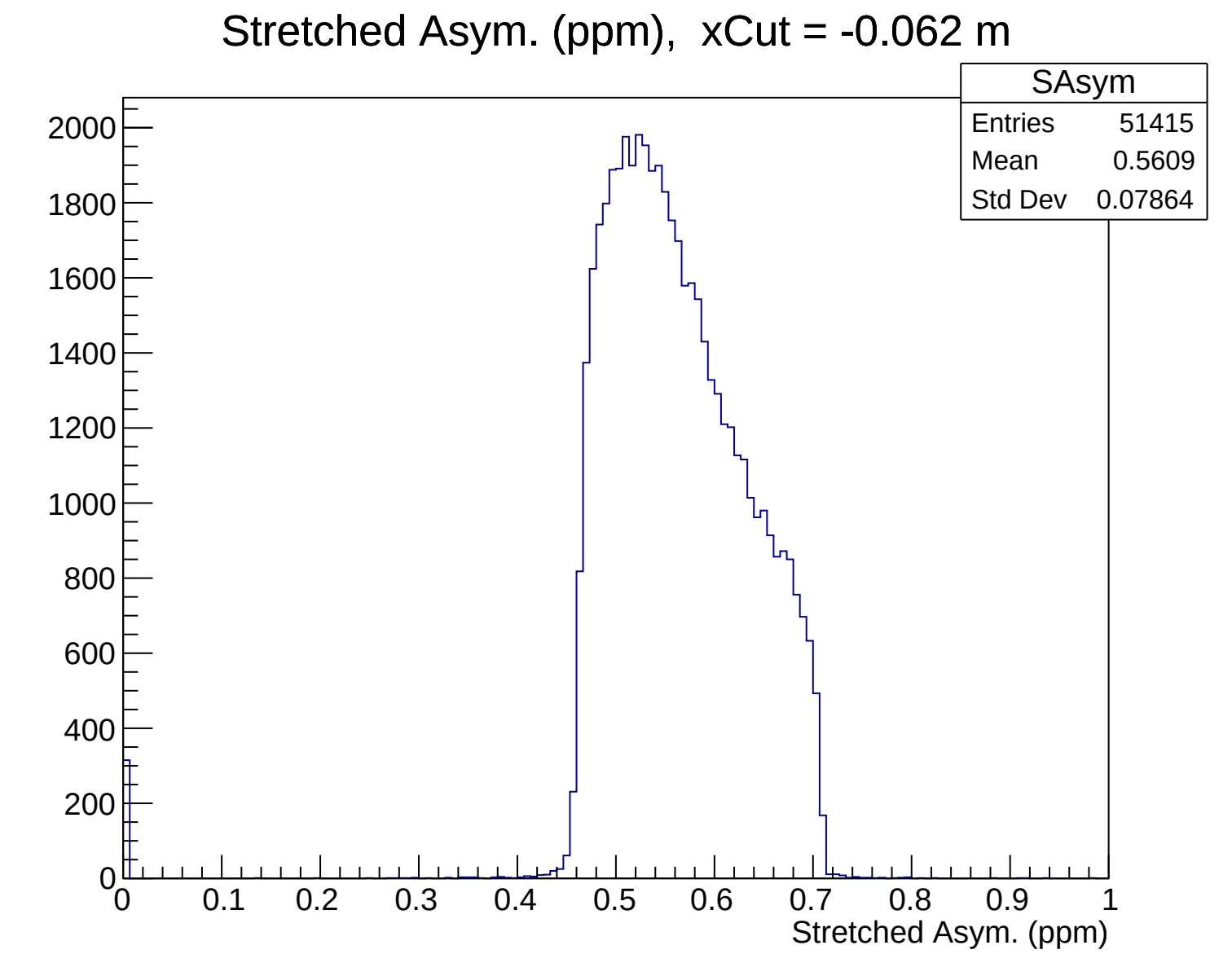

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

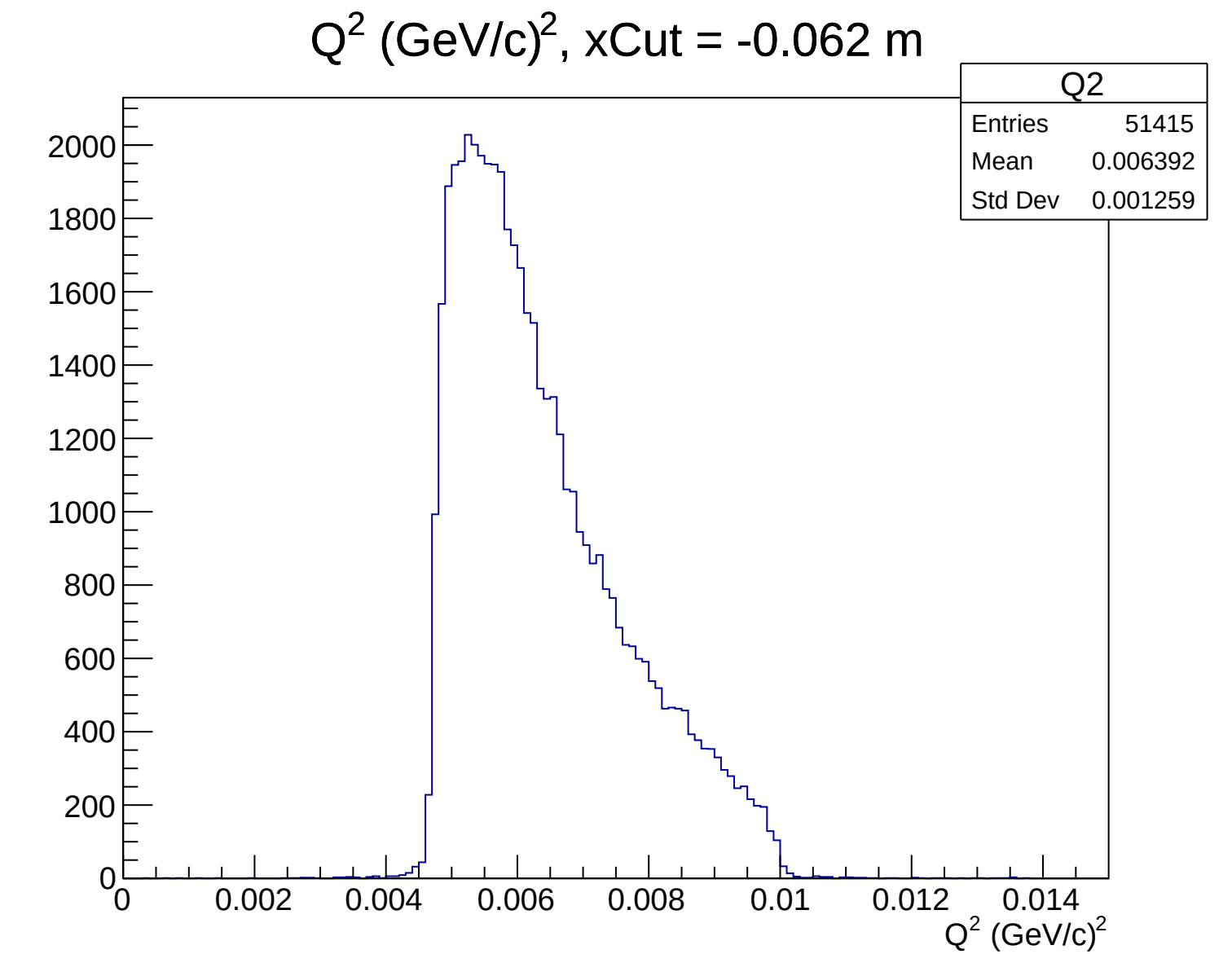

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.062
R.tr.x[0]+1.3*R.tr.th[0] (m)

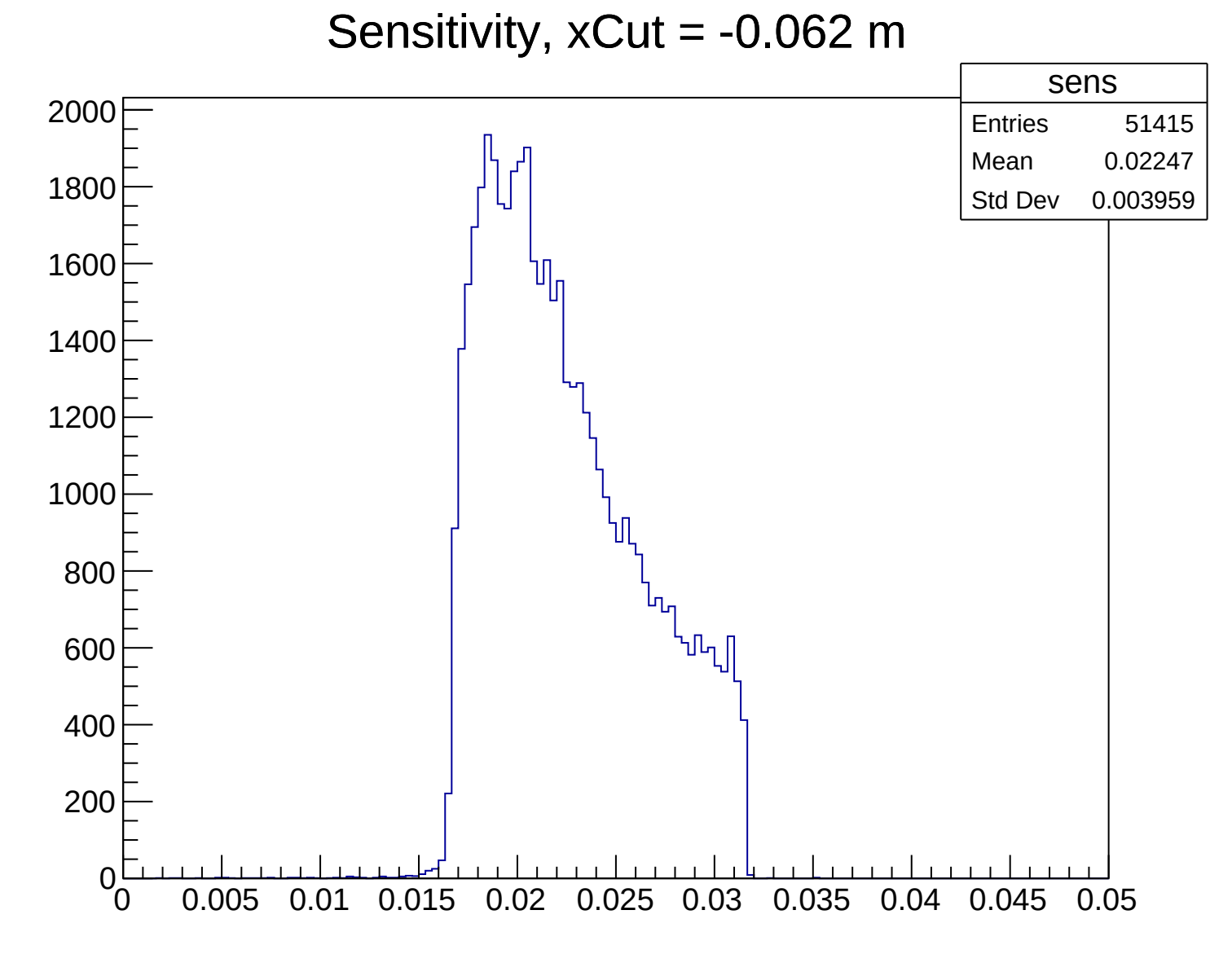

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

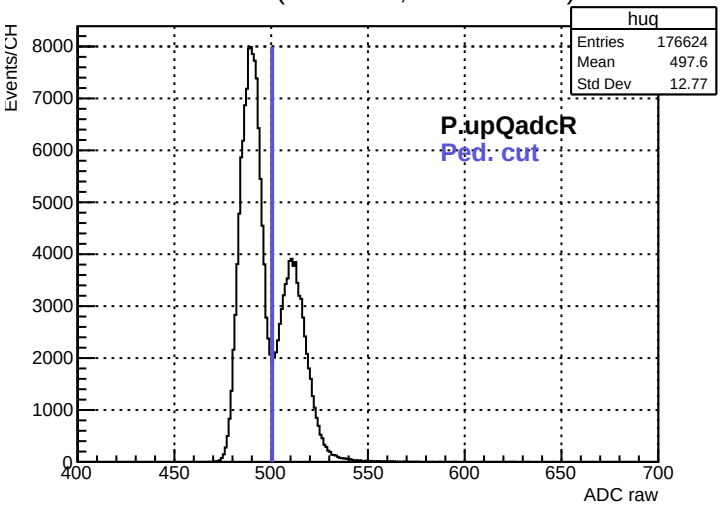

θlab (deg), xCut = -0.062 m
Theta
Entries 51415
Mean 4.809
Std Dev 0.4634
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

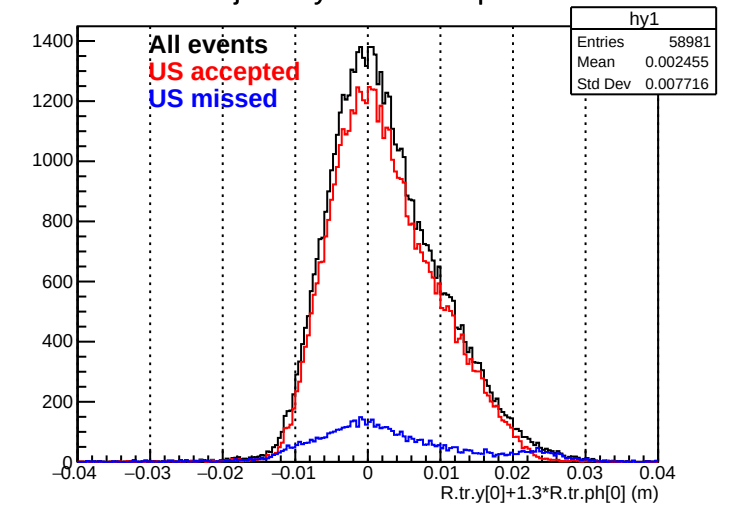

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 51415
Mean 0.574
Std Dev 0.08248
1800
1600
1400
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

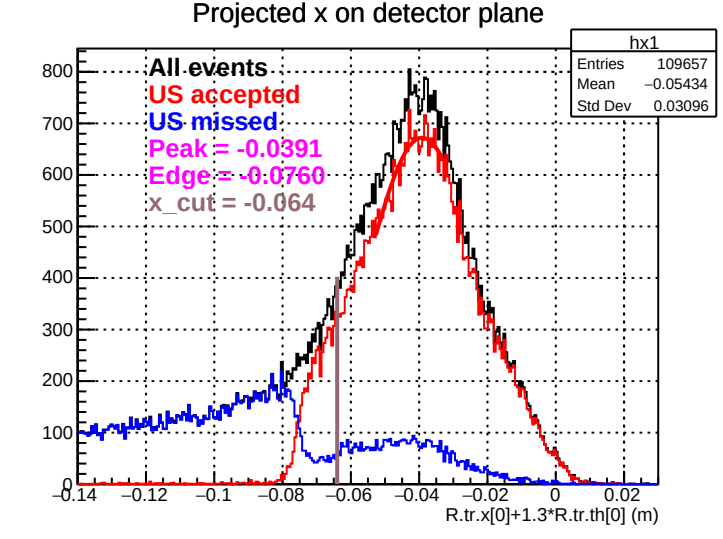

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 51415
Mean 0.5609
Std Dev 0.07864
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

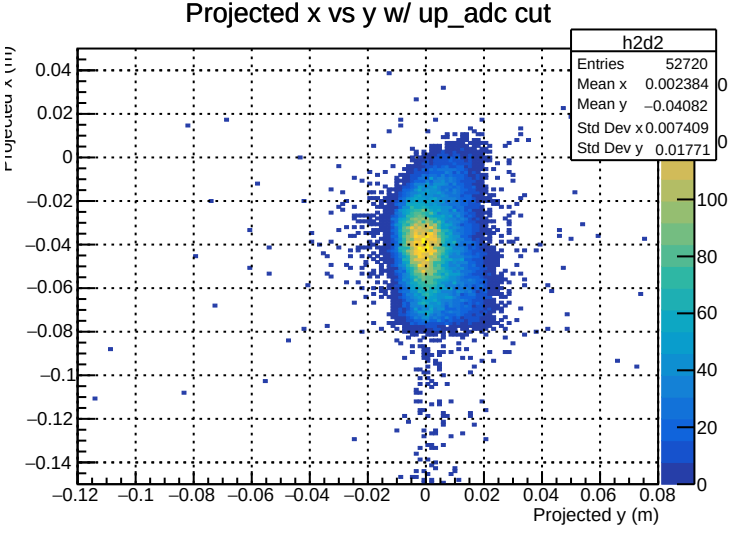

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 51415
Mean 0.006392
Std Dev 0.001259
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

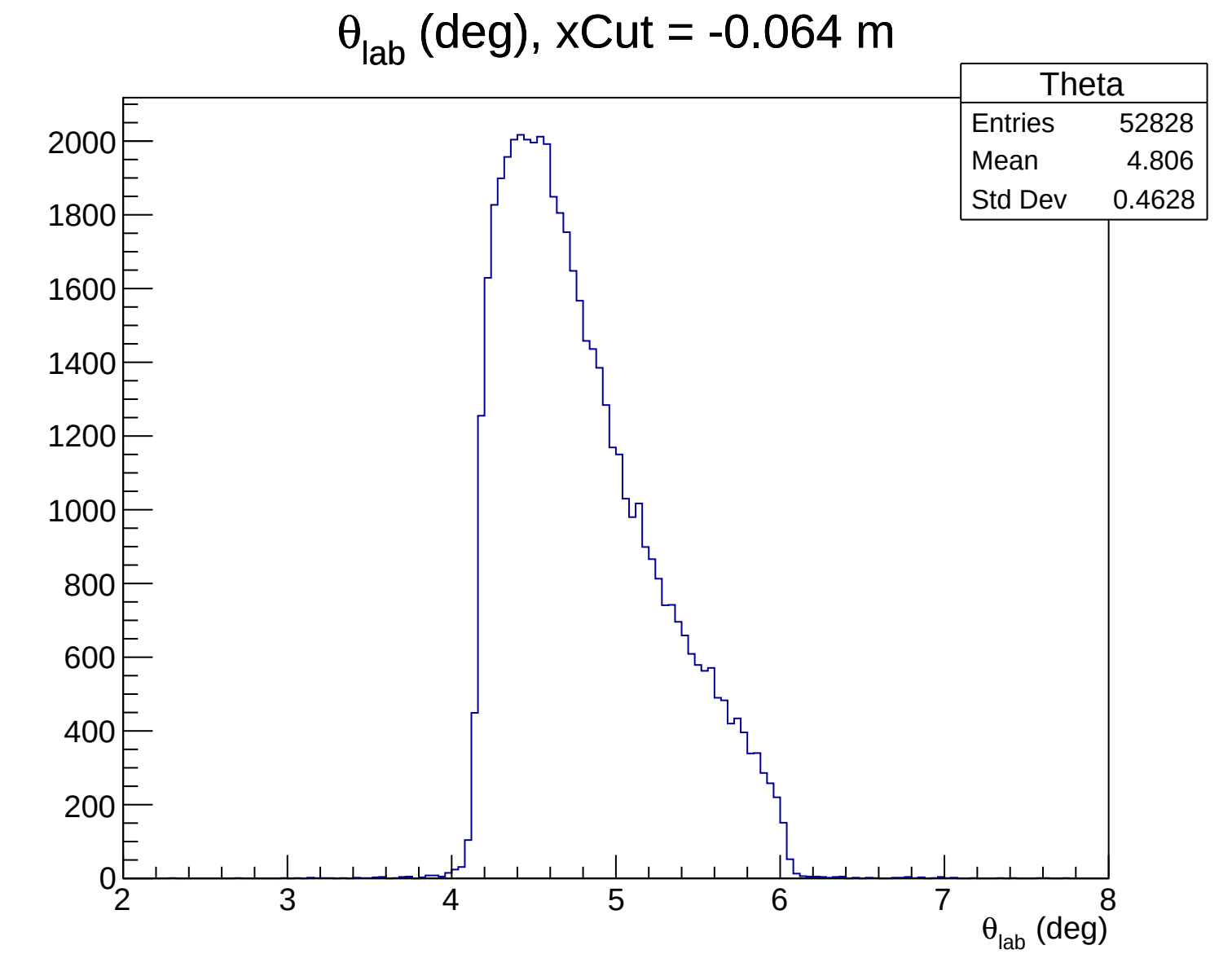

Sensitivity, xCut = -0.062 m
sens
Entries 51415
Mean 0.02247
Std Dev 0.003959
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

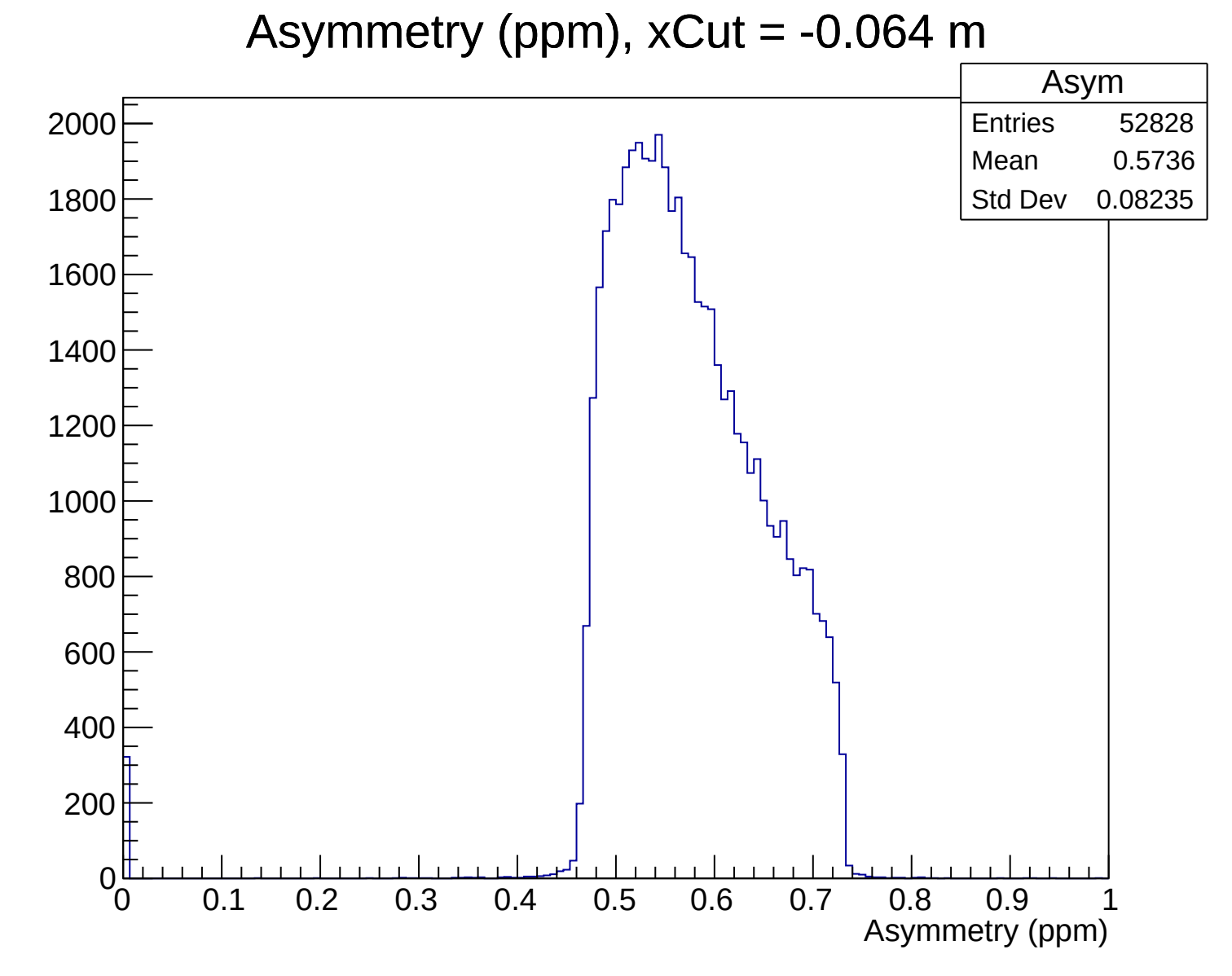

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

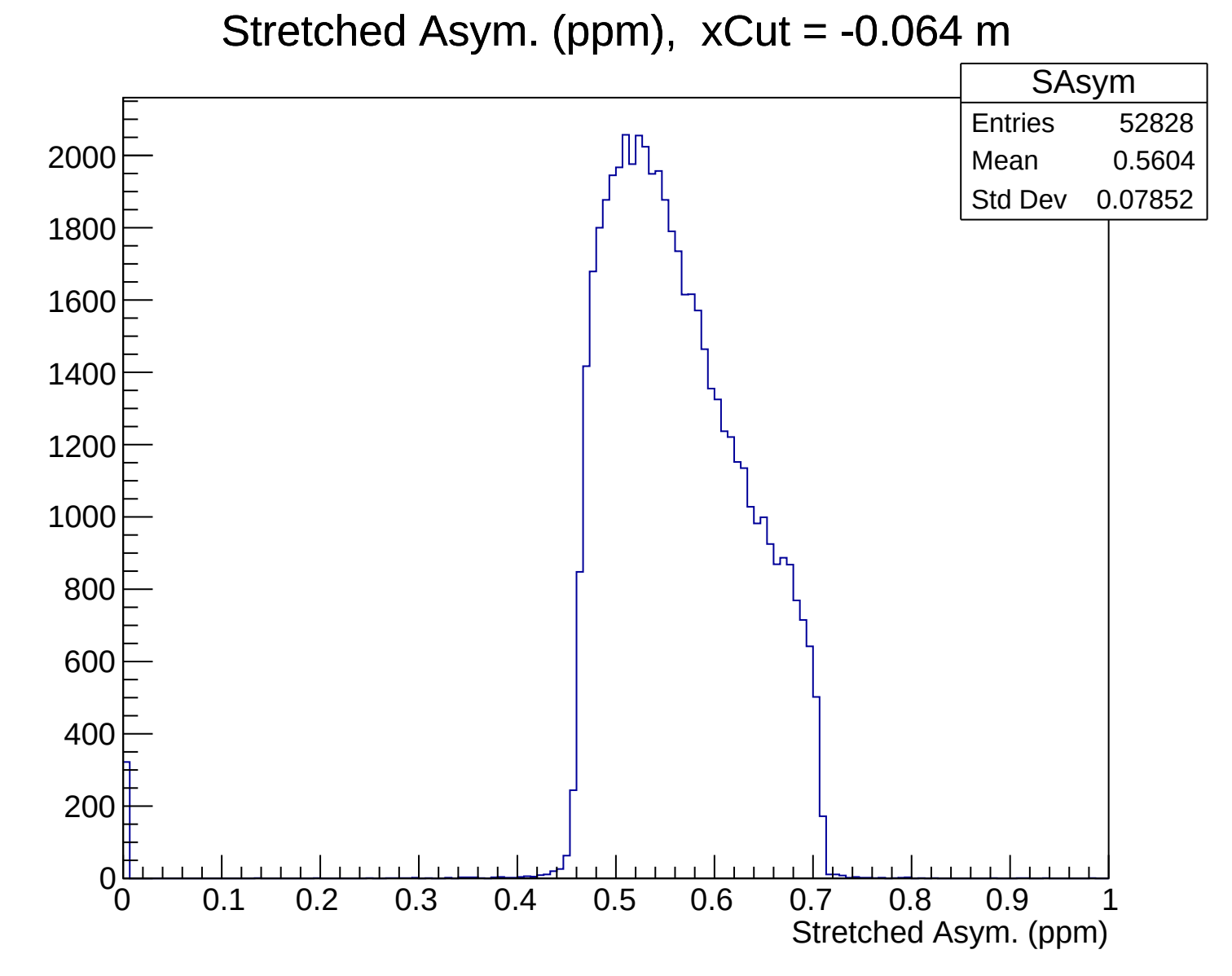

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

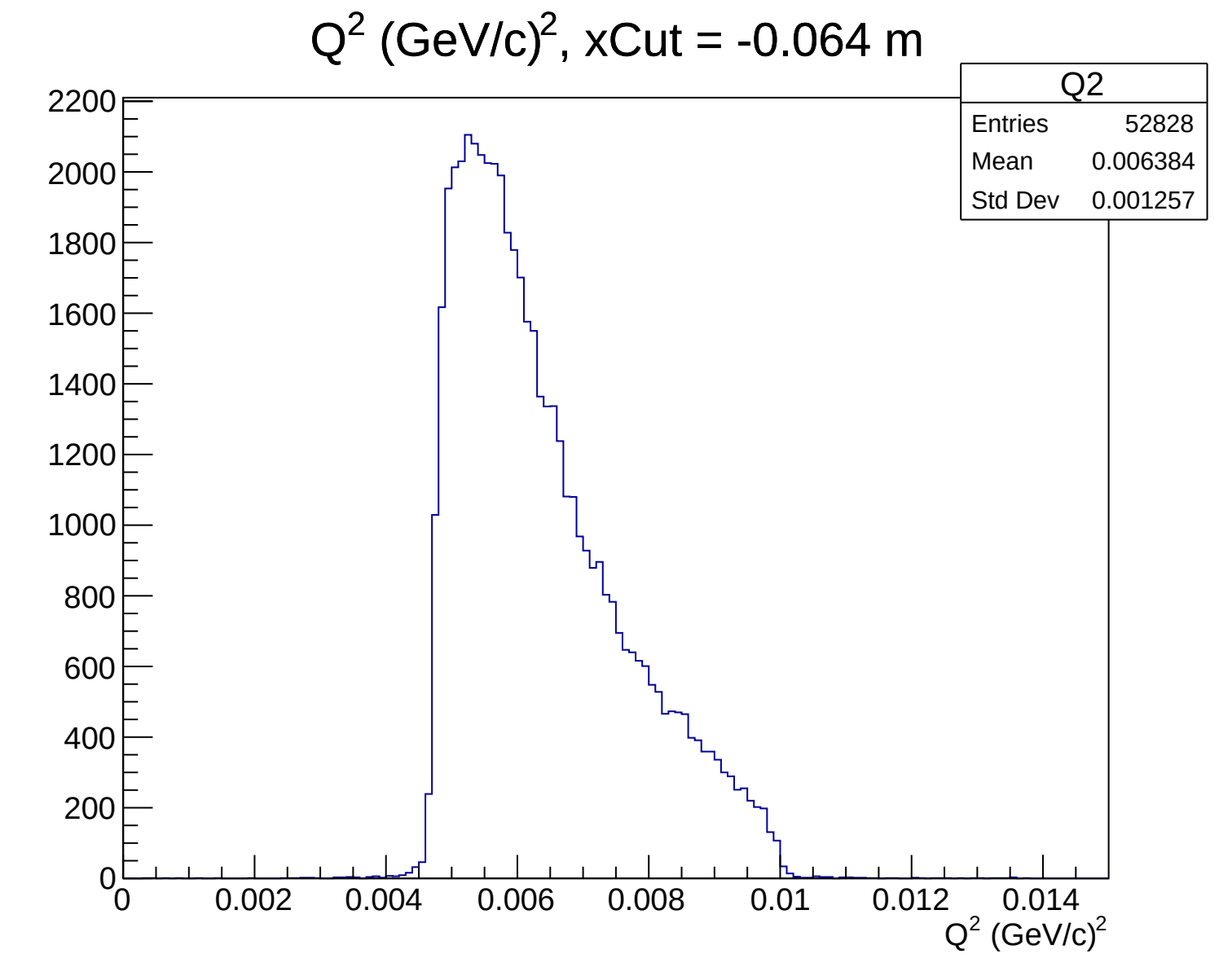

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.064
R.tr.x[0]+1.3*R.tr.th[0] (m)

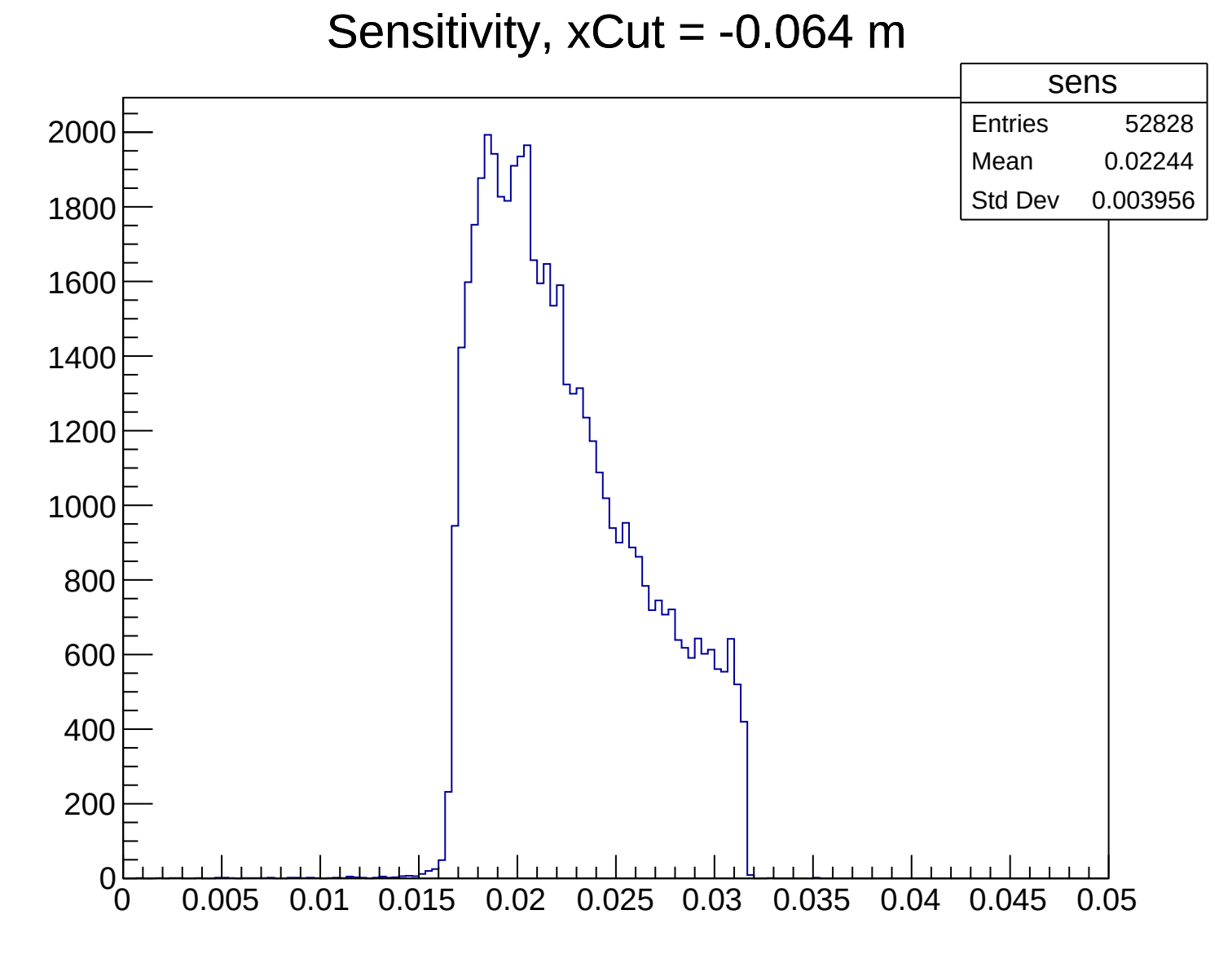

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

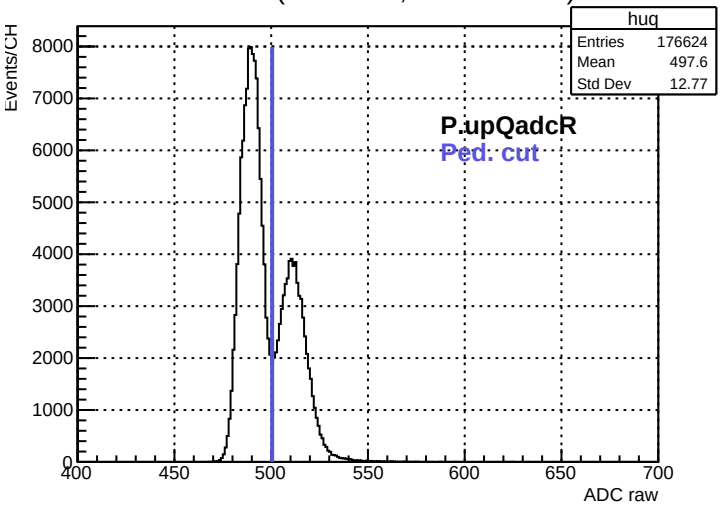

θlab (deg), xCut = -0.064 m
Theta
Entries 52828
Mean 4.806
Std Dev 0.4628
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

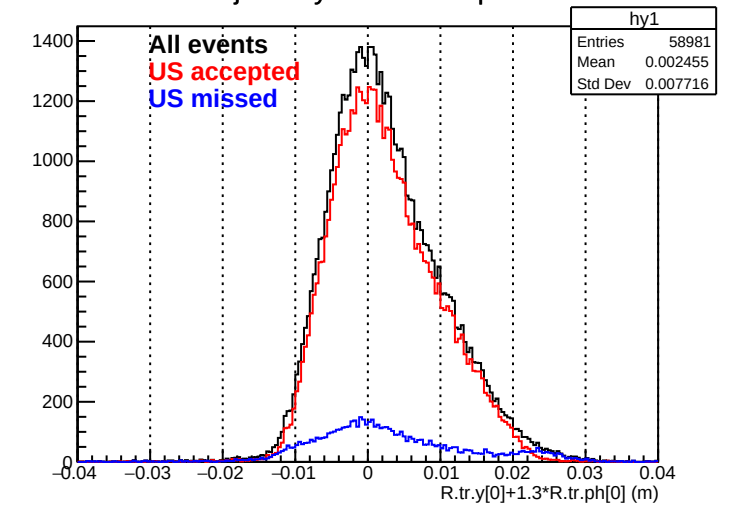

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 52828
Mean 0.5736
Std Dev 0.08235
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

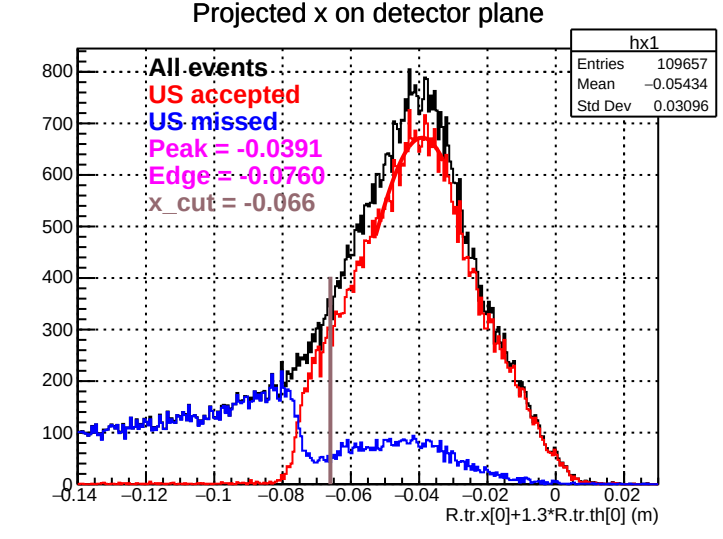

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 52828
Mean 0.5604
Std Dev 0.07852
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

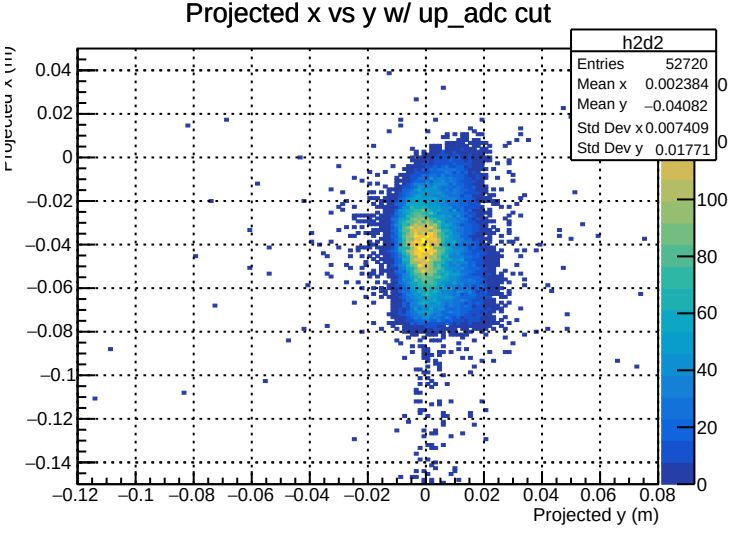

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 52828
Mean 0.006384
Std Dev 0.001257
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

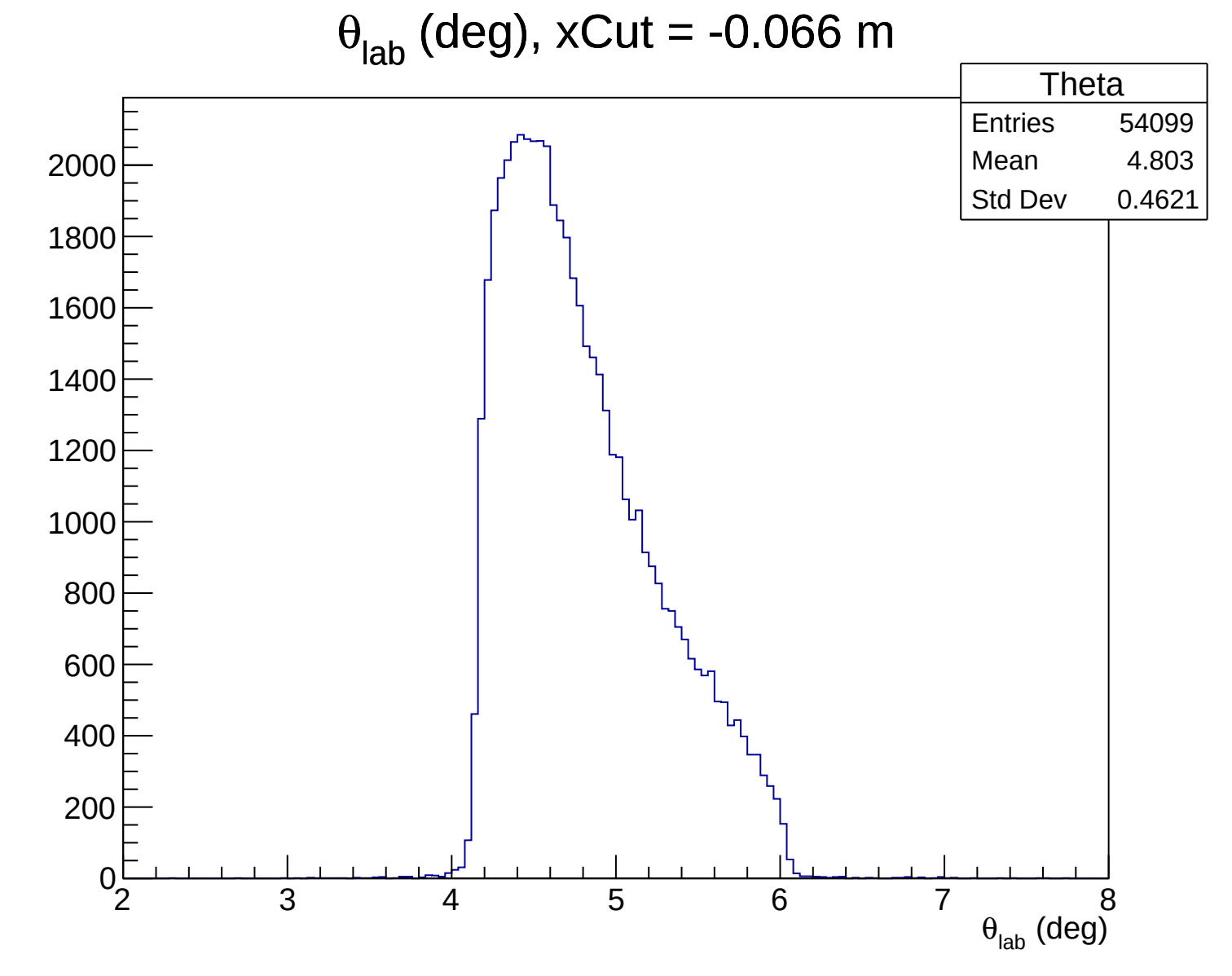

Sensitivity, xCut = -0.064 m
sens
Entries 52828
Mean 0.02244
Std Dev 0.003956
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

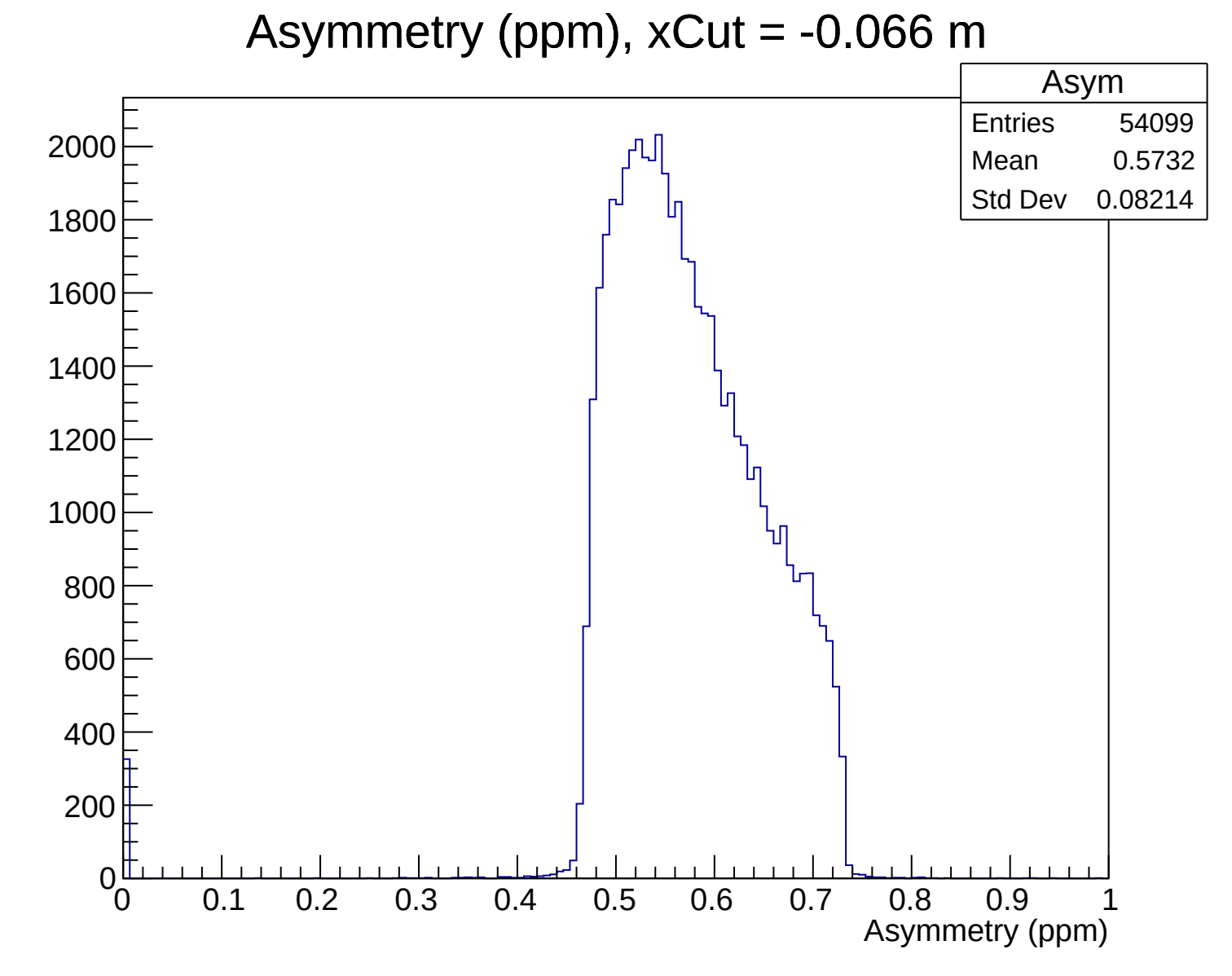

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

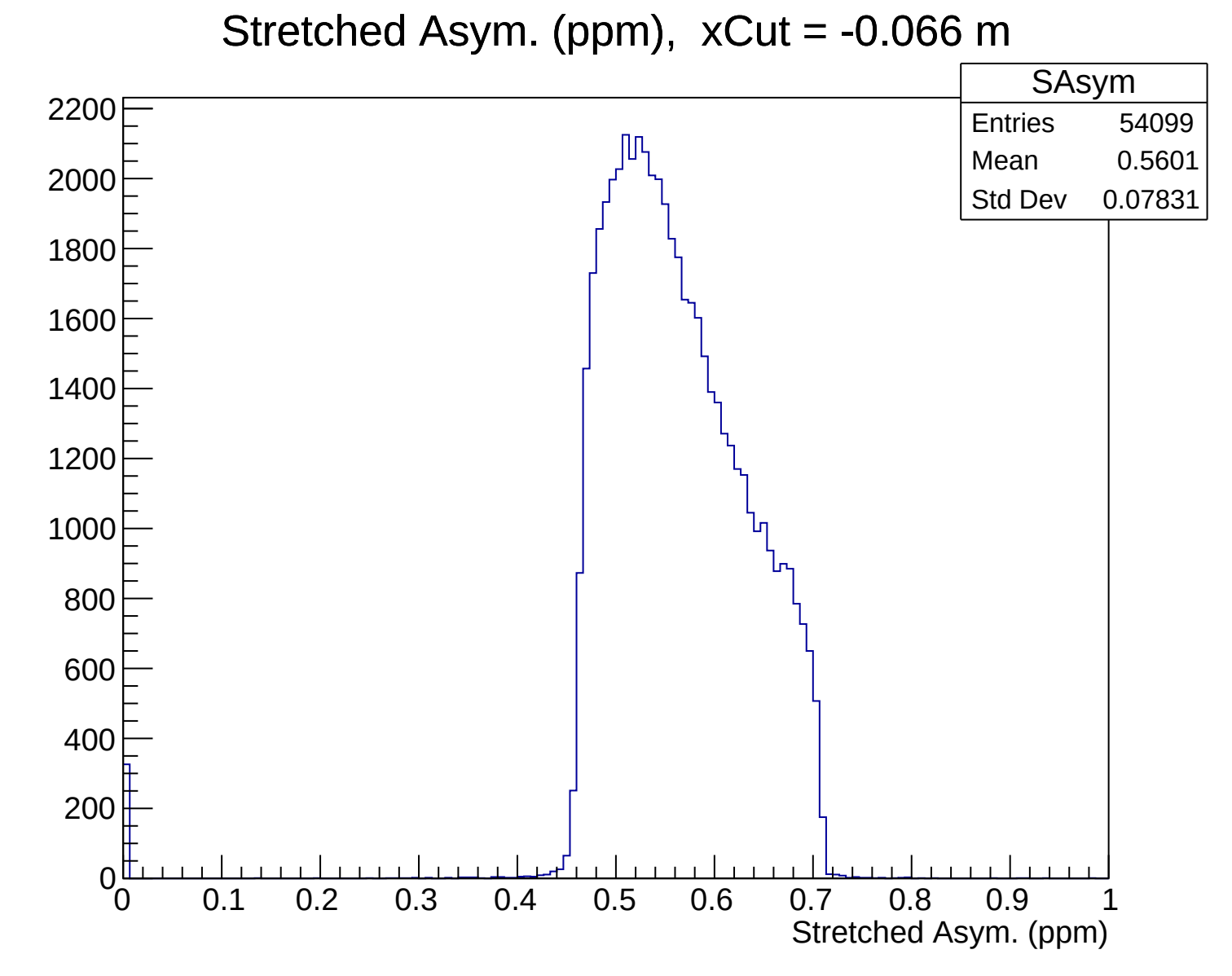

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

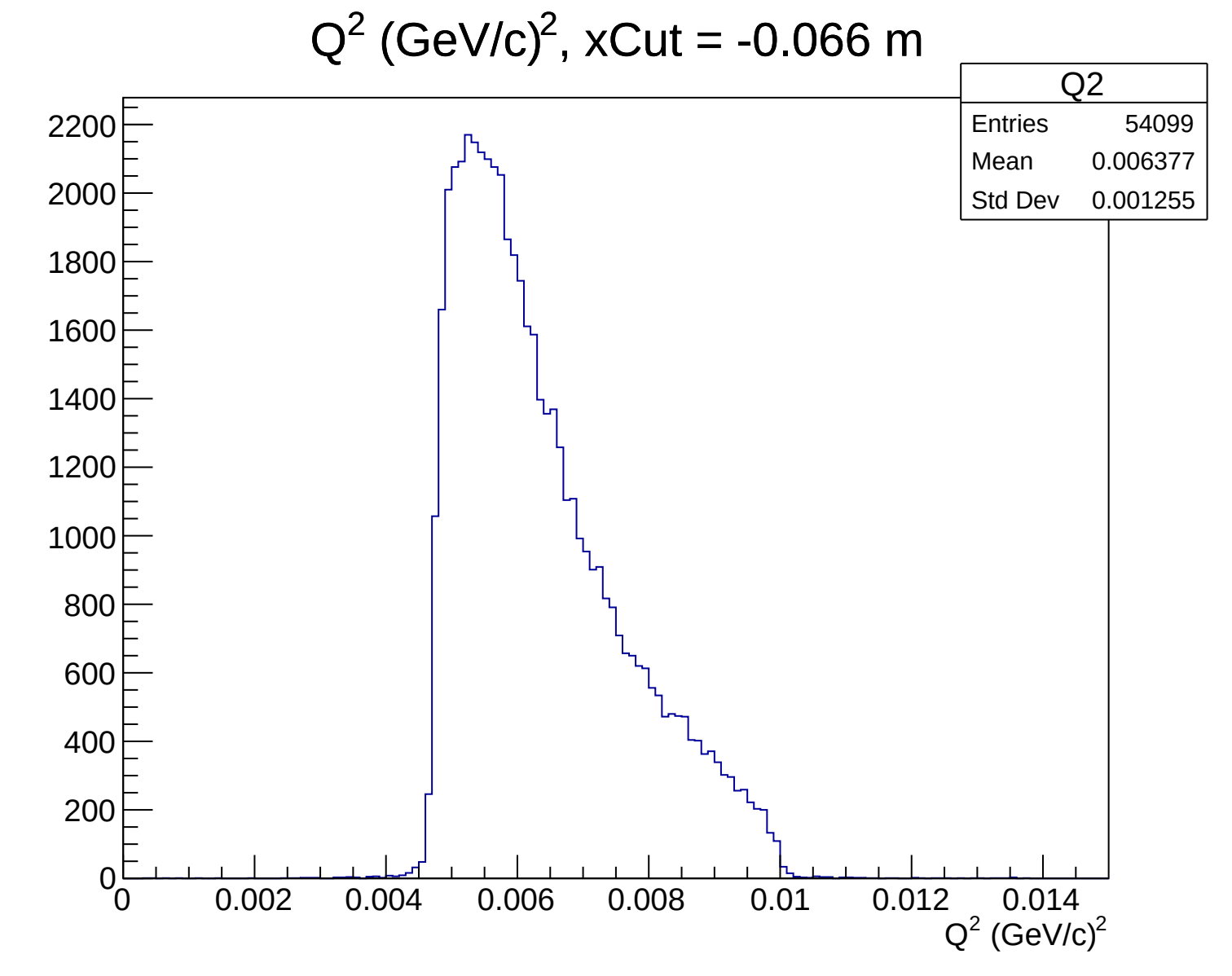

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.066
R.tr.x[0]+1.3*R.tr.th[0] (m)

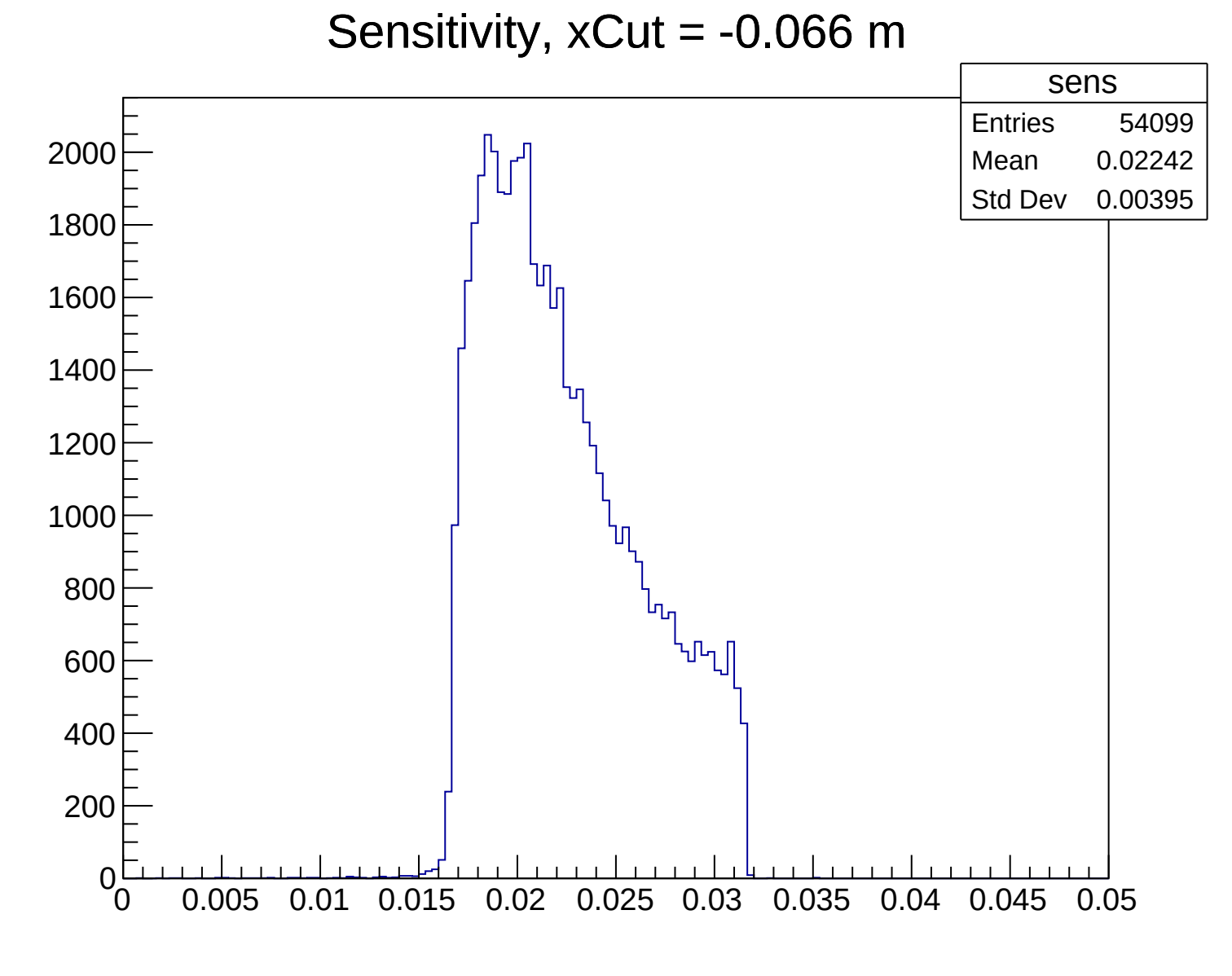

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

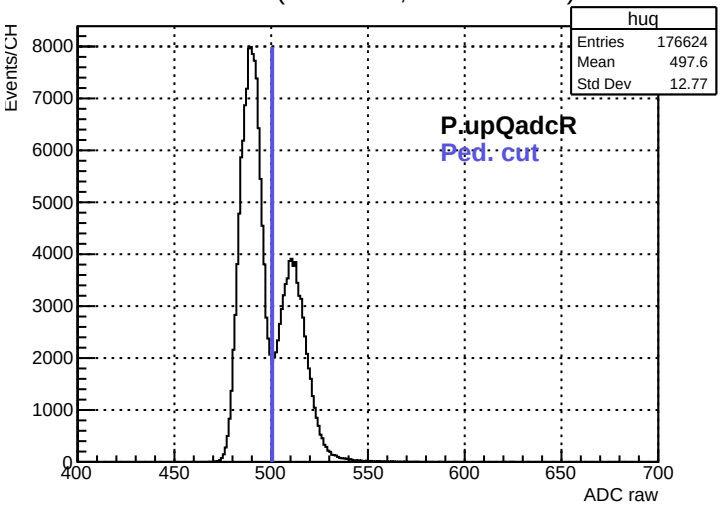

θlab (deg), xCut = -0.066 m
Theta
Entries 54099
Mean 4.803
Std Dev 0.4621
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

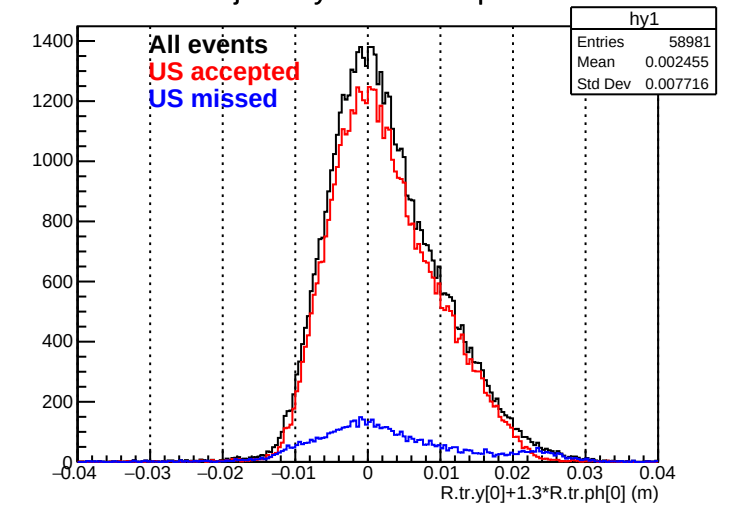

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 54099
Mean 0.5732
Std Dev 0.08214
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

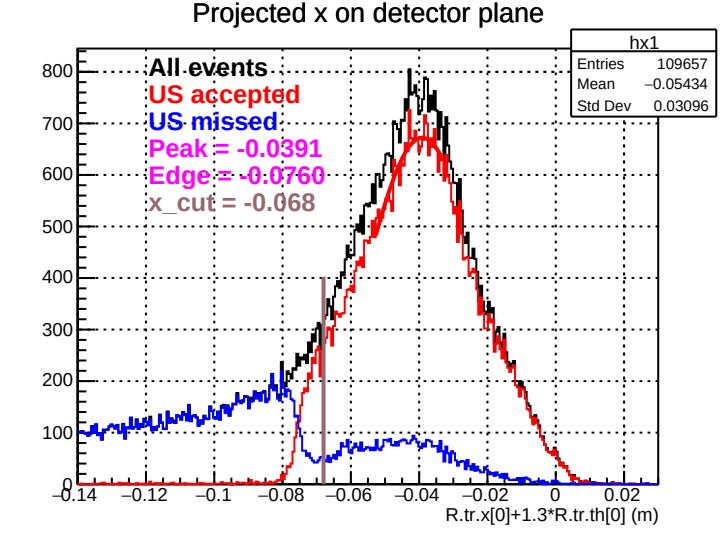

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 54099
Mean 0.5601
Std Dev 0.07831
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

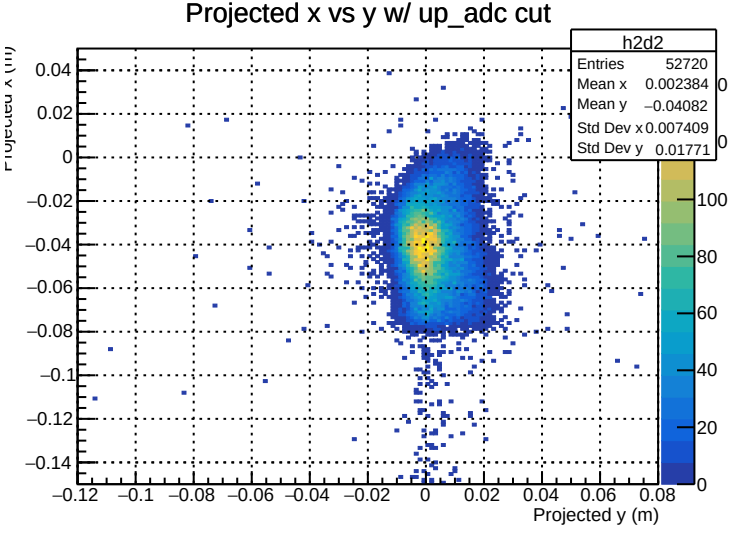

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 54099
Mean 0.006377
Std Dev 0.001255
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

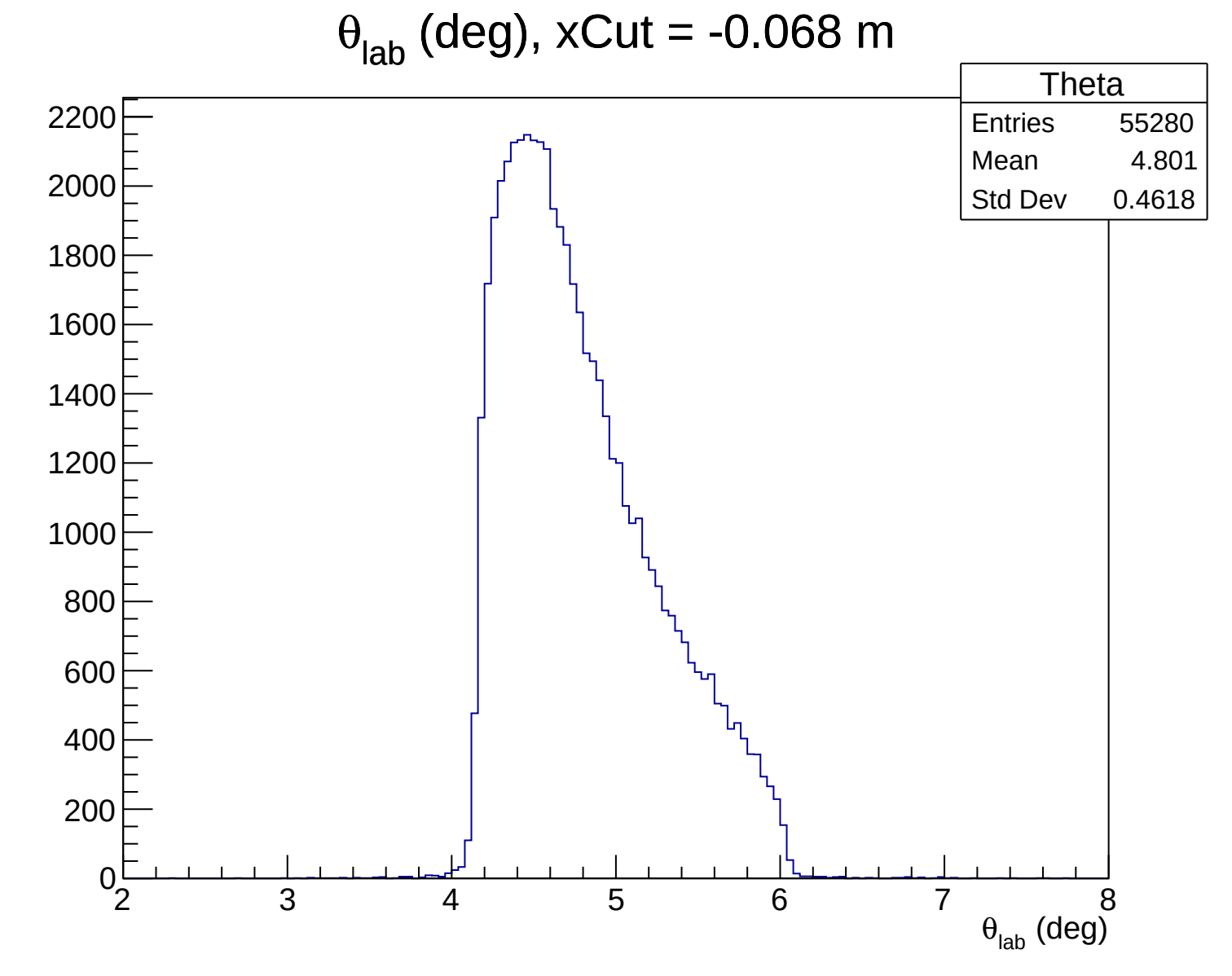

Sensitivity, xCut = -0.066 m
sens
Entries 54099
Mean 0.02242
Std Dev 0.00395
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

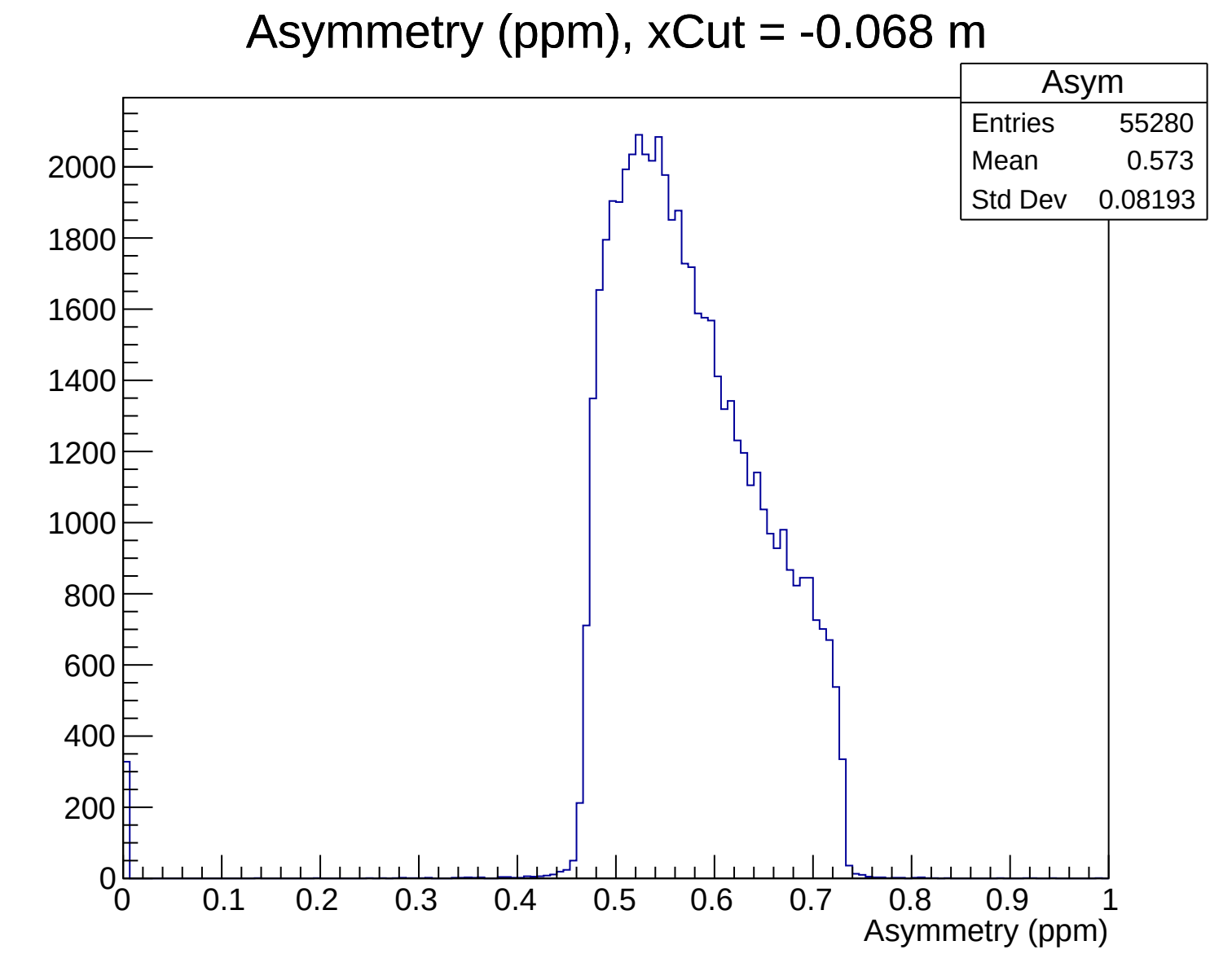

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

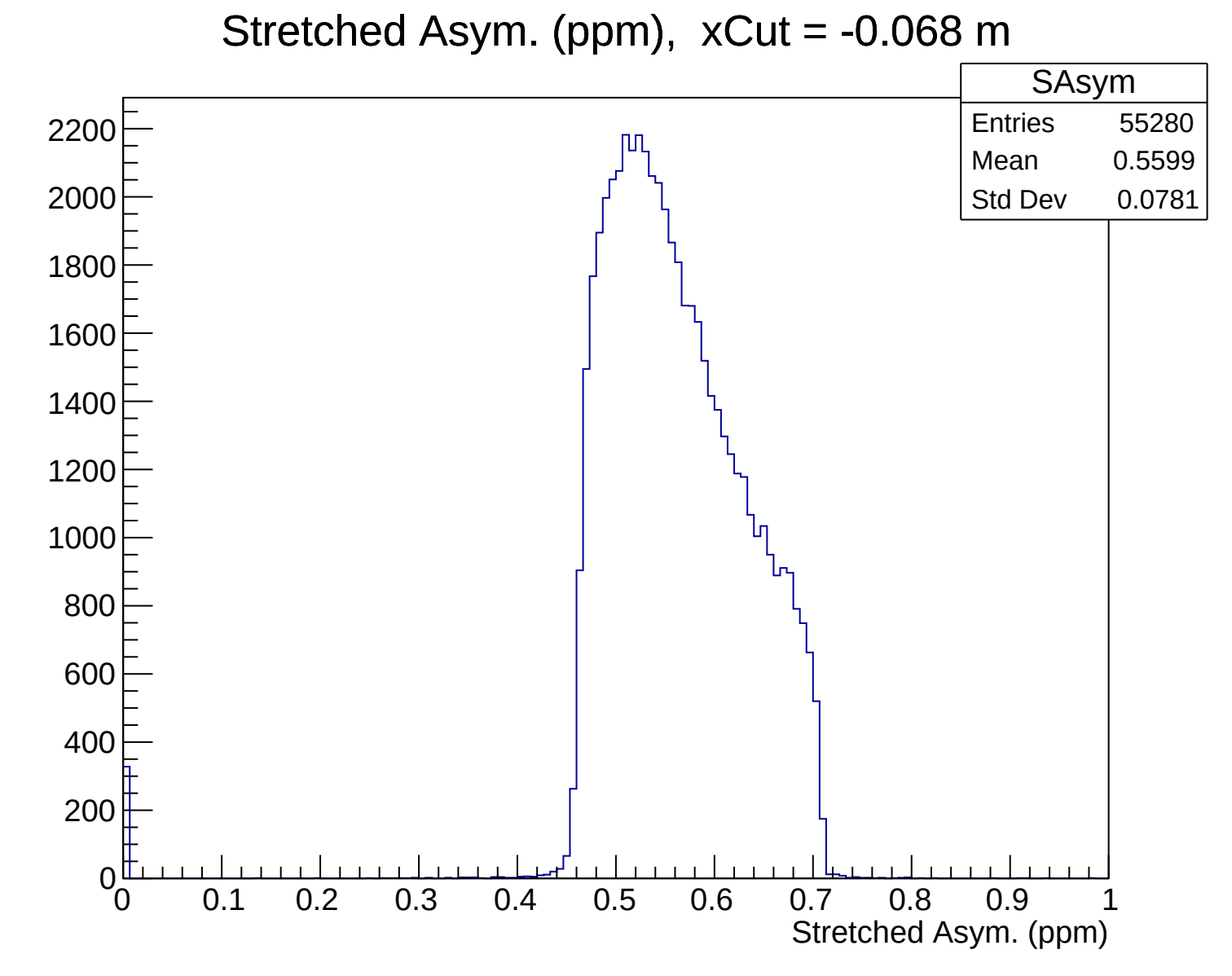

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

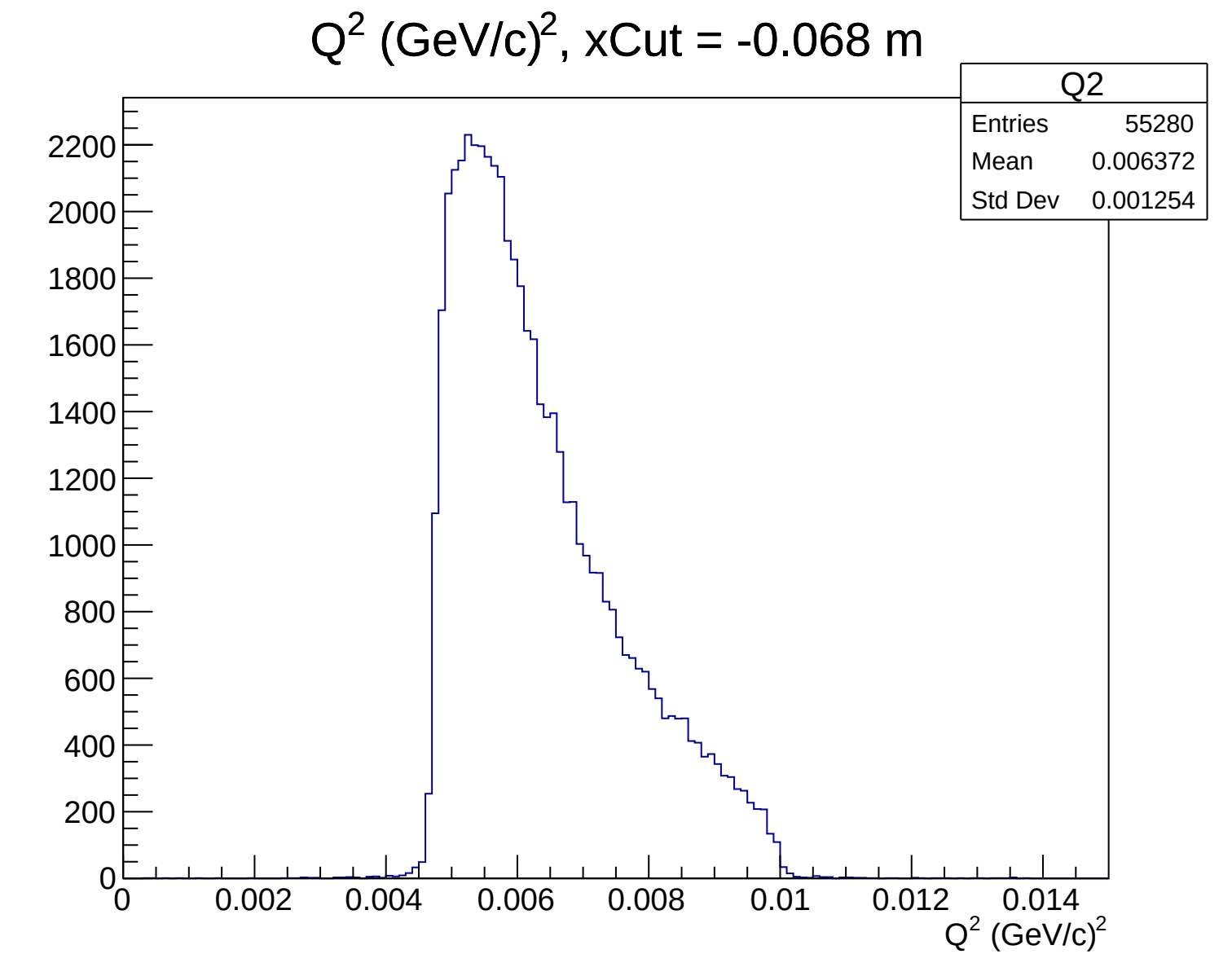

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.068
R.tr.x[0]+1.3*R.tr.th[0] (m)

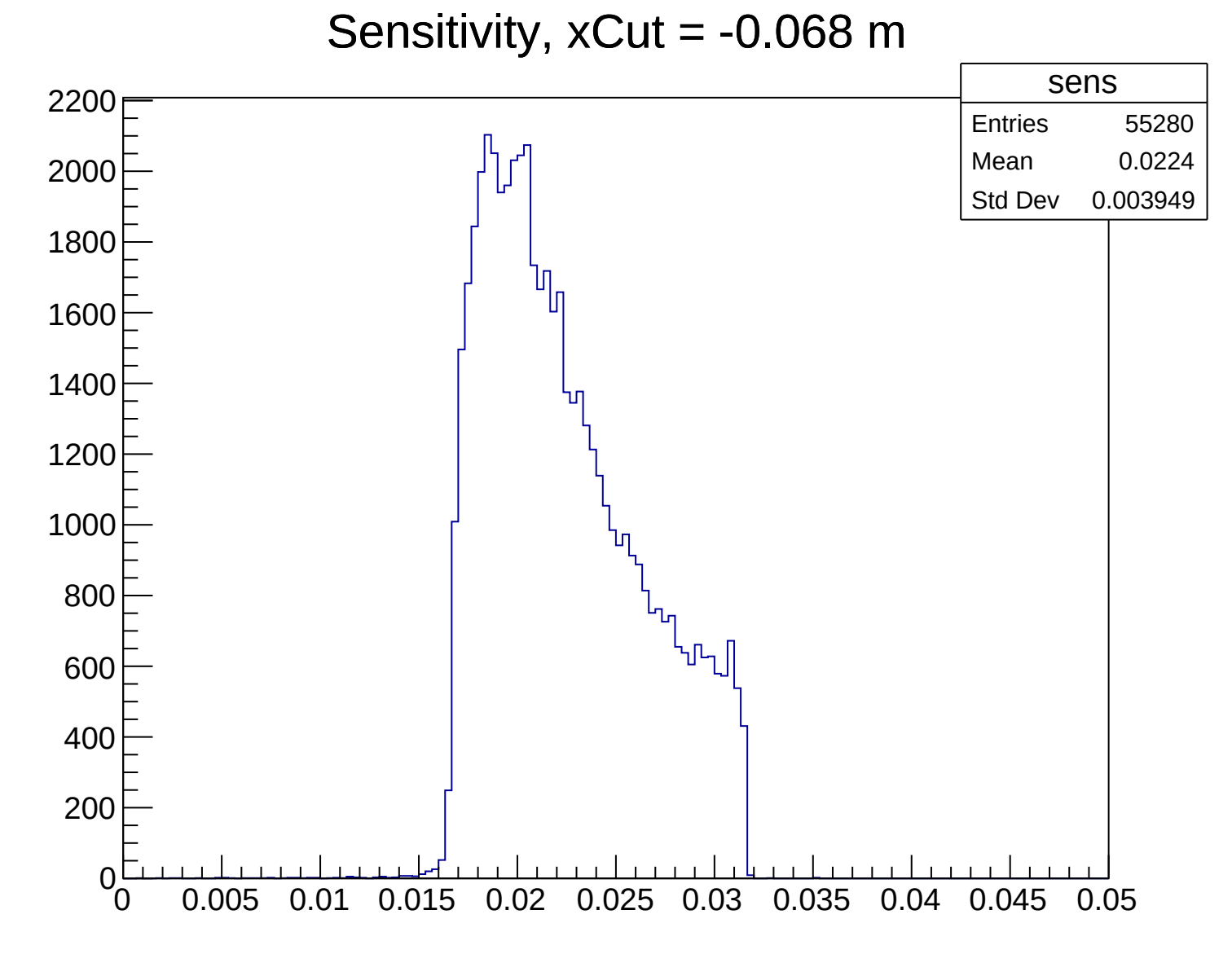

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

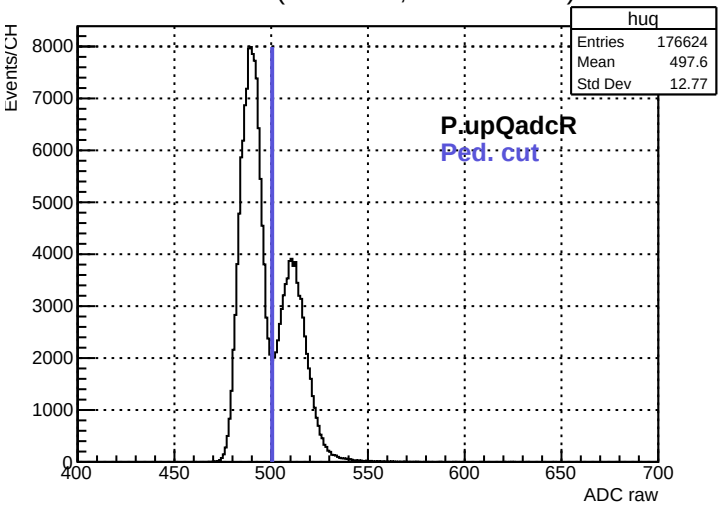

θlab (deg), xCut = -0.068 m
Theta
Entries 55280
Mean 4.801
Std Dev 0.4618
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

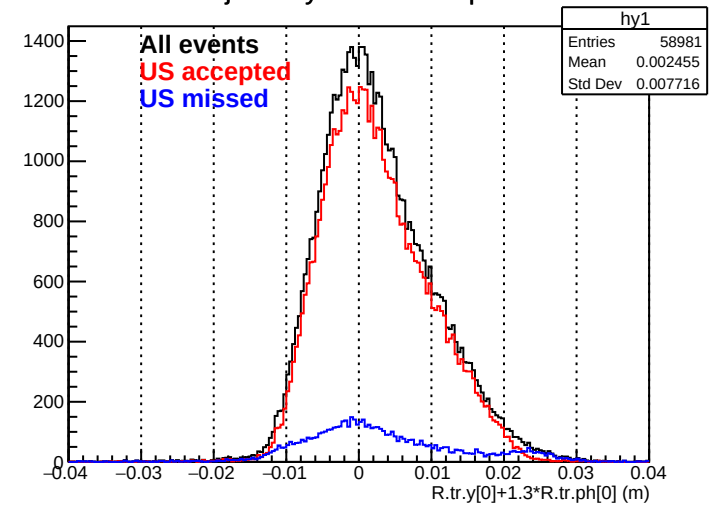

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 55280
Mean 0.573
Std Dev 0.08193
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

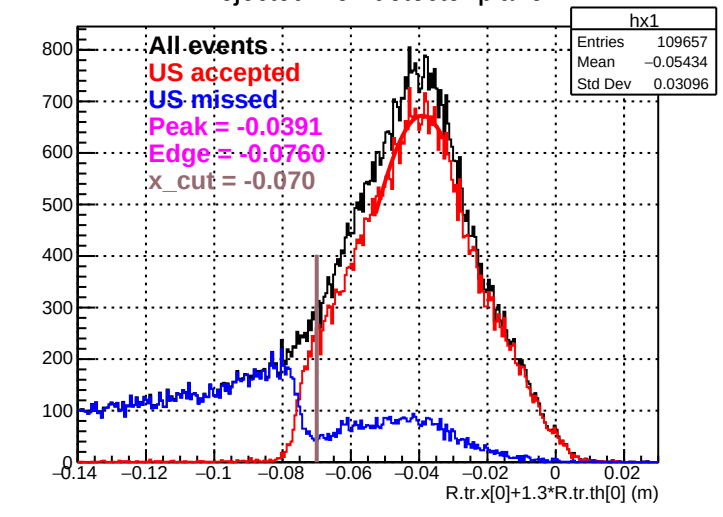

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 55280
Mean 0.5599
Std Dev 0.0781
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

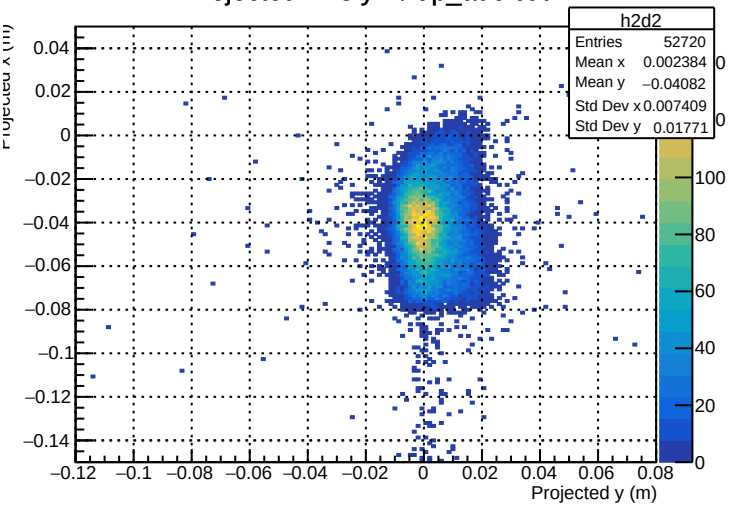

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 55280
Mean 0.006372
Std Dev 0.001254
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

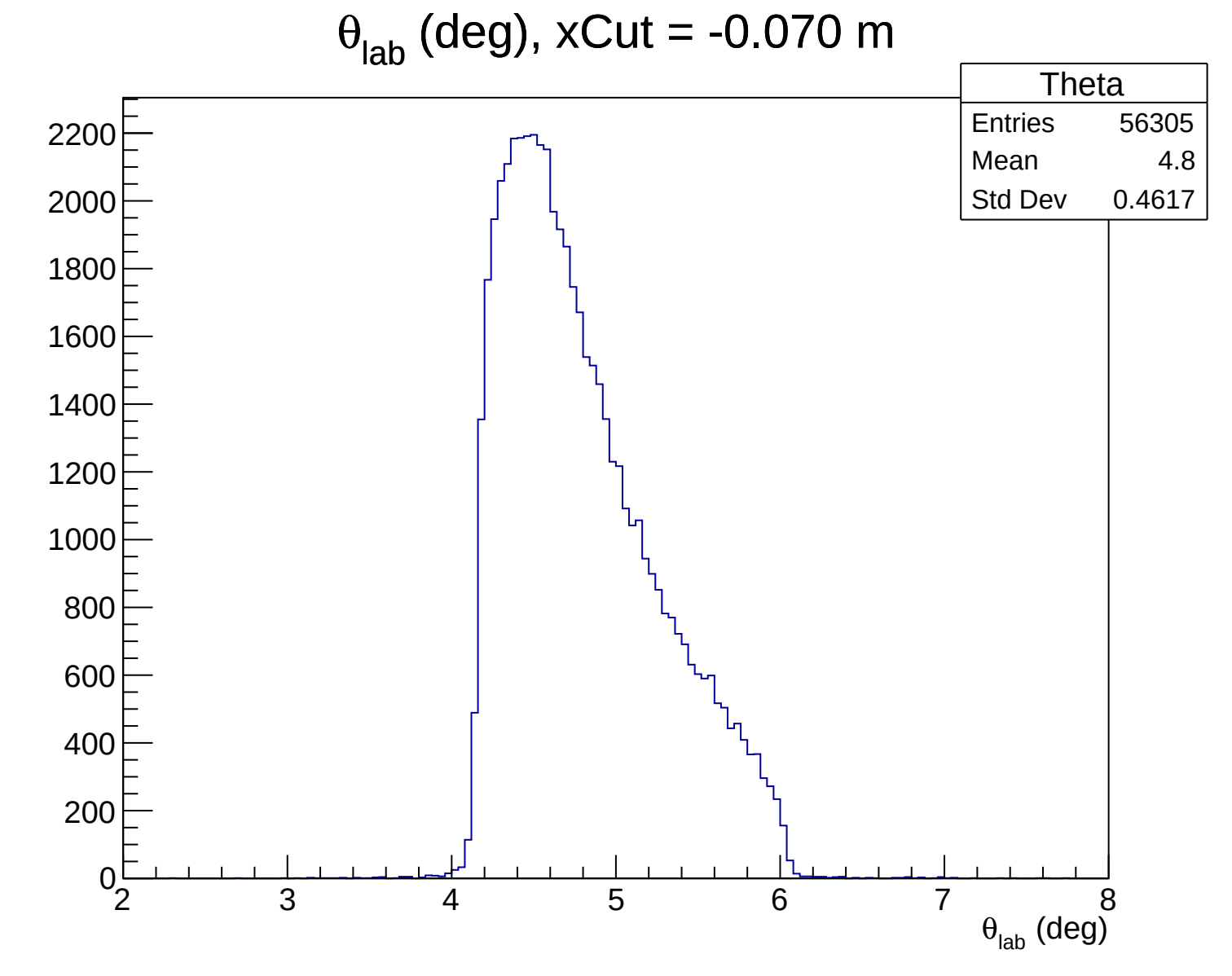

Sensitivity, xCut = -0.068 m
sens
Entries 55280
Mean 0.0224
Std Dev 0.003949
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

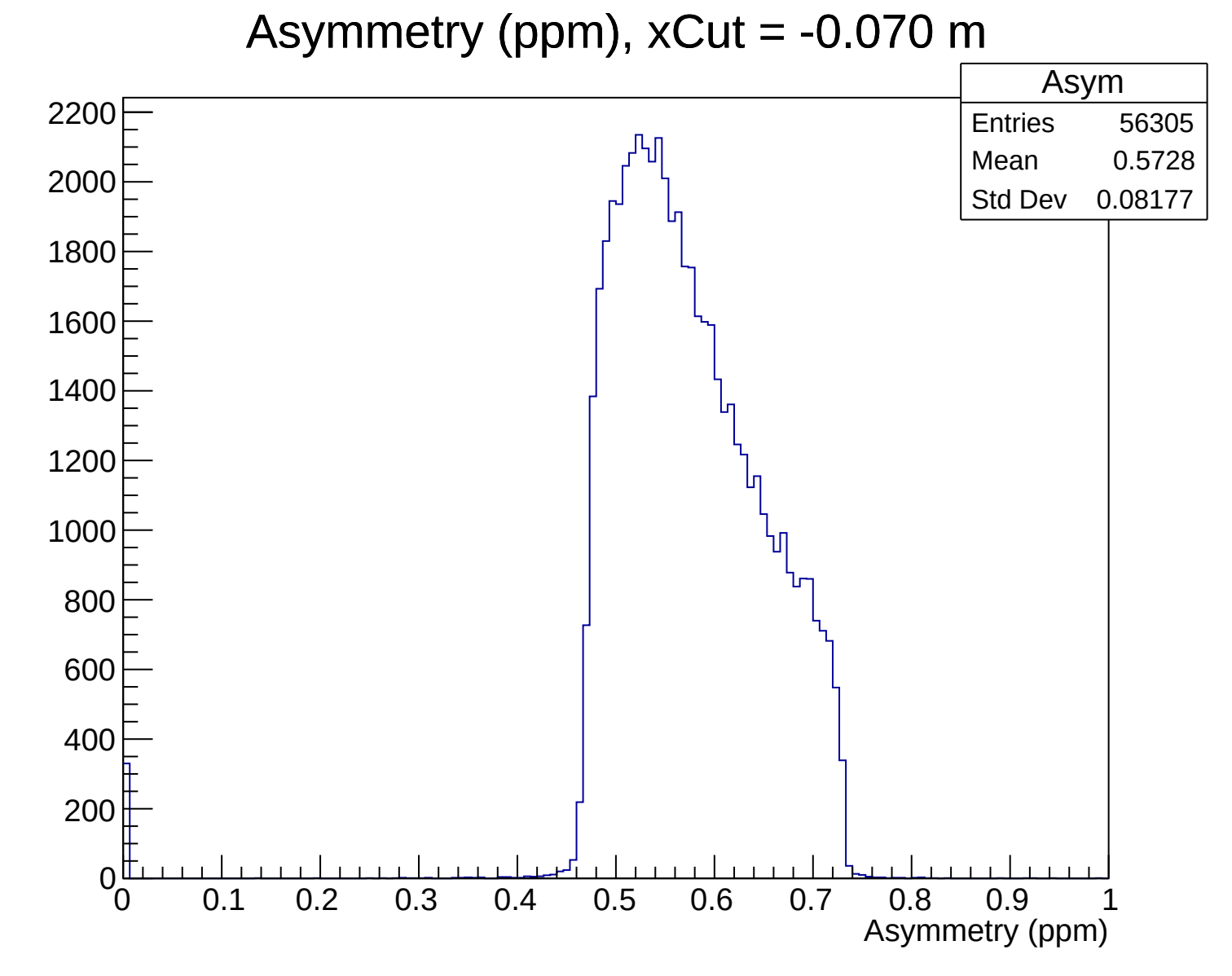

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

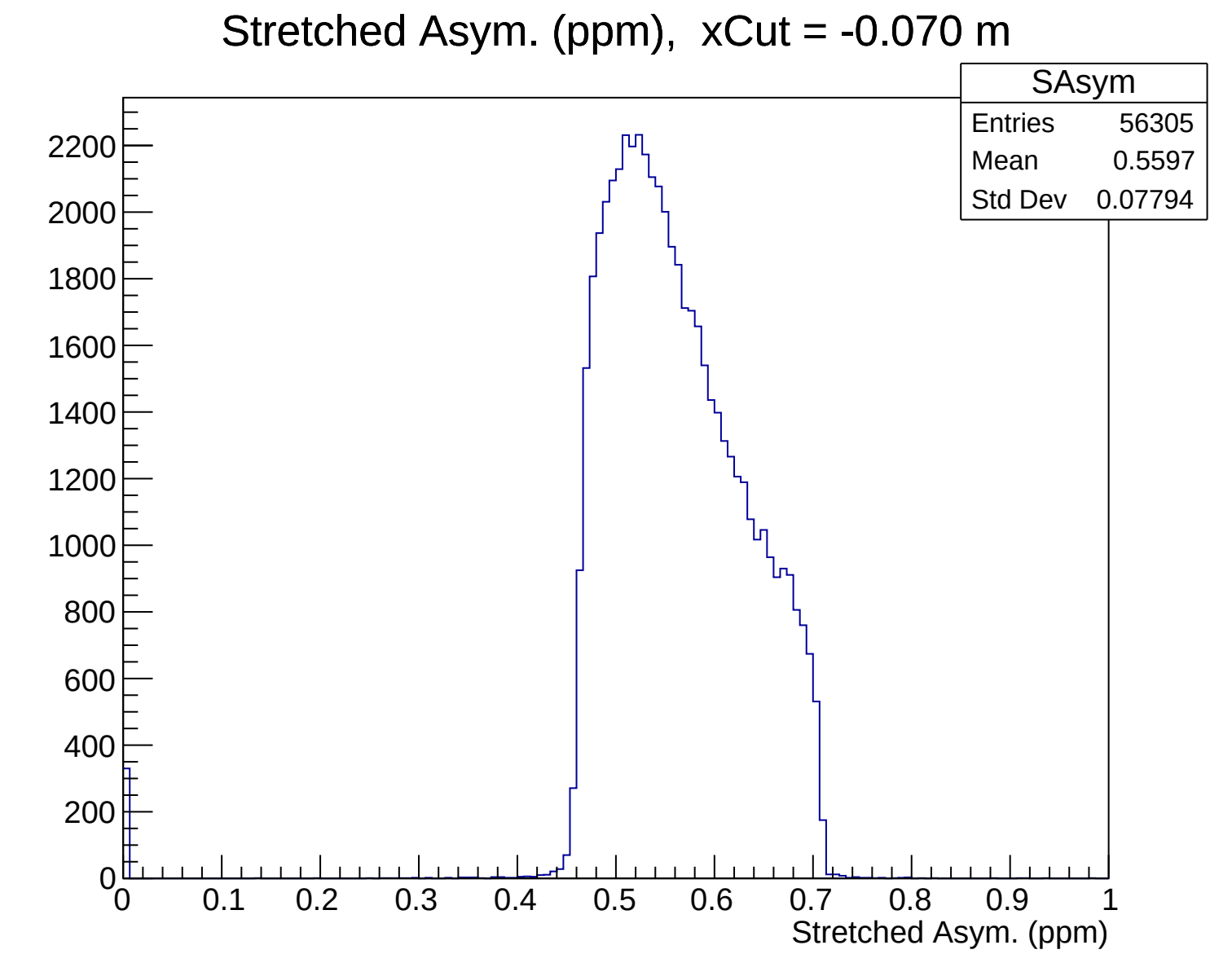

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

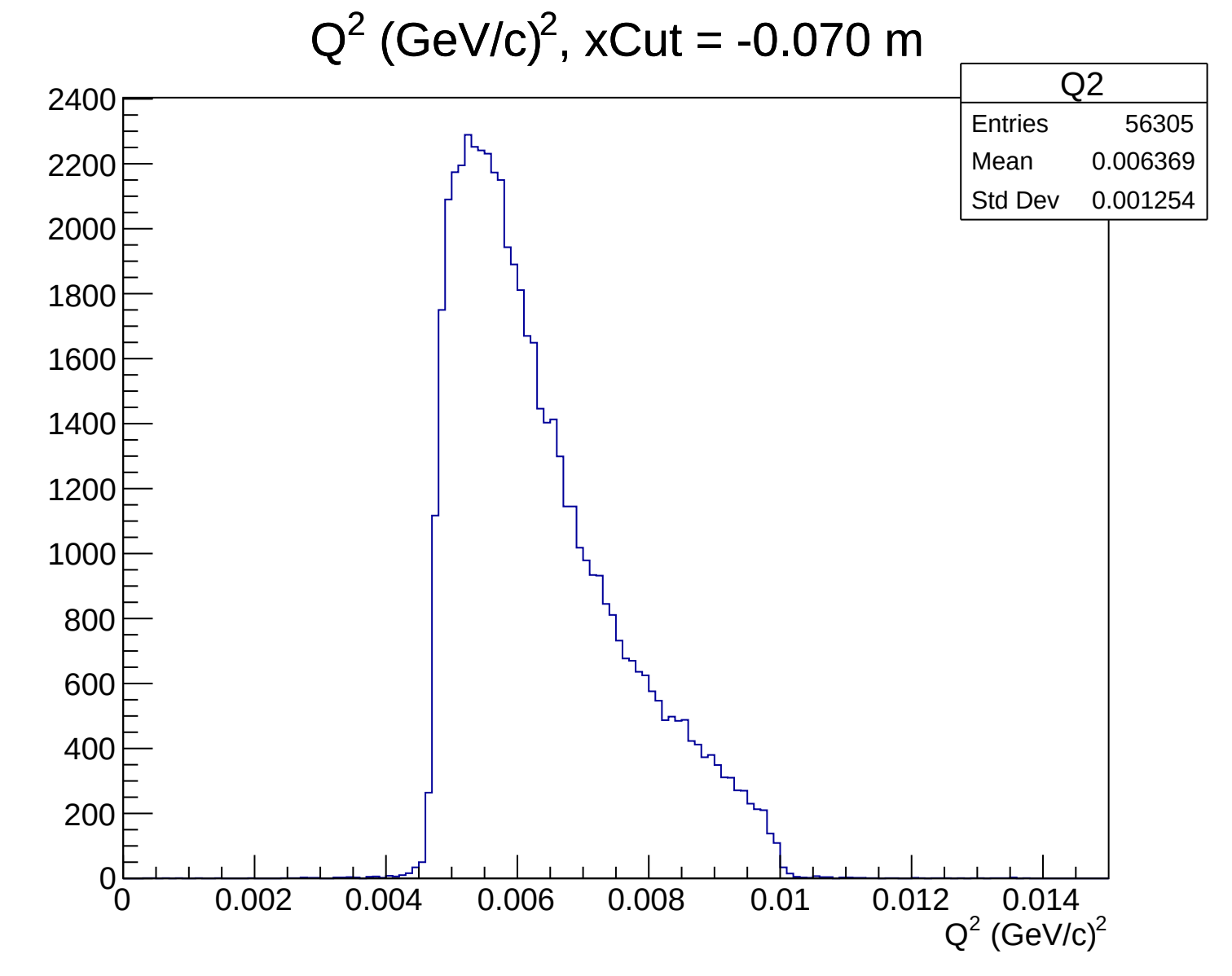

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.070
R.tr.x[0]+1.3*R.tr.th[0] (m)

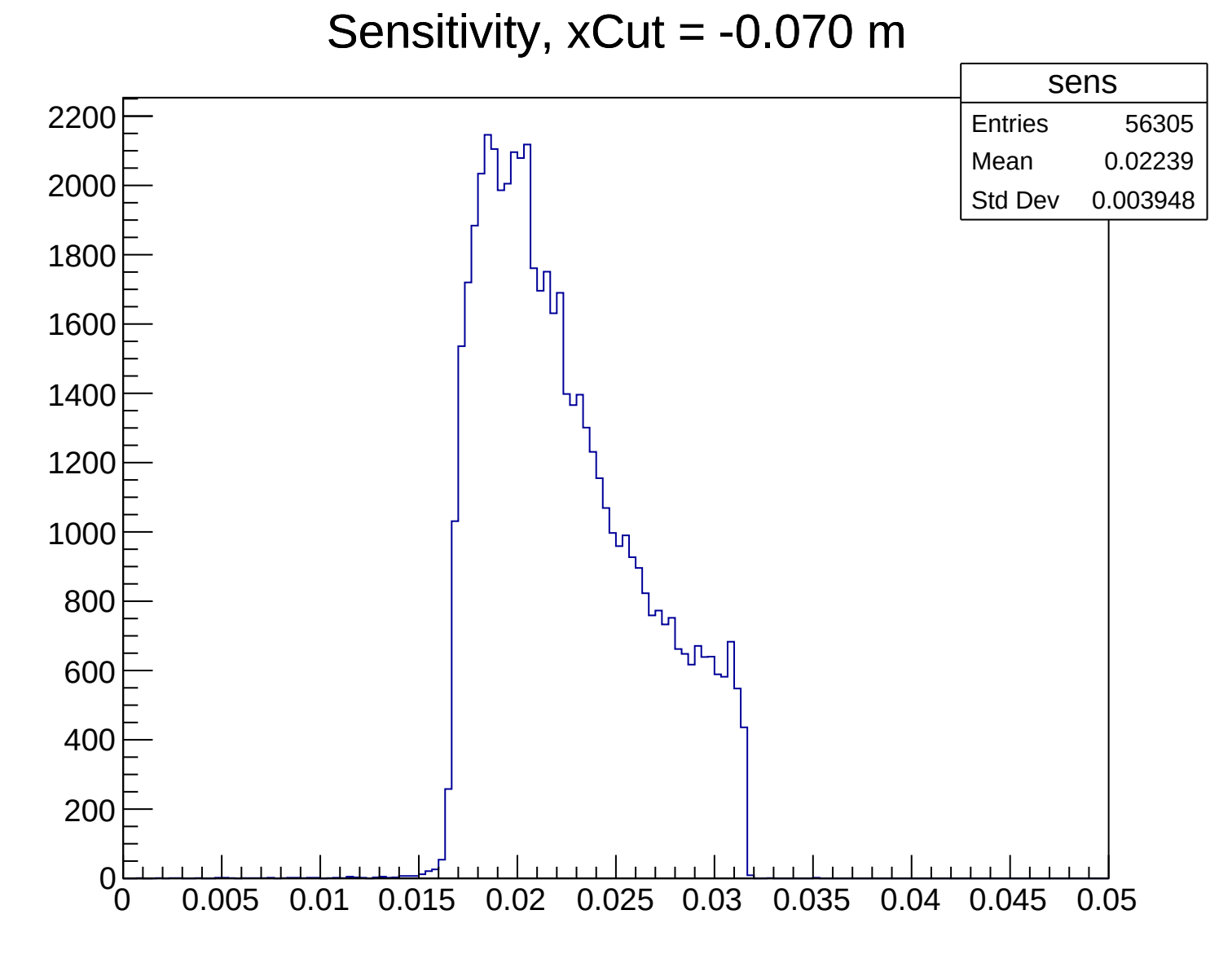

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

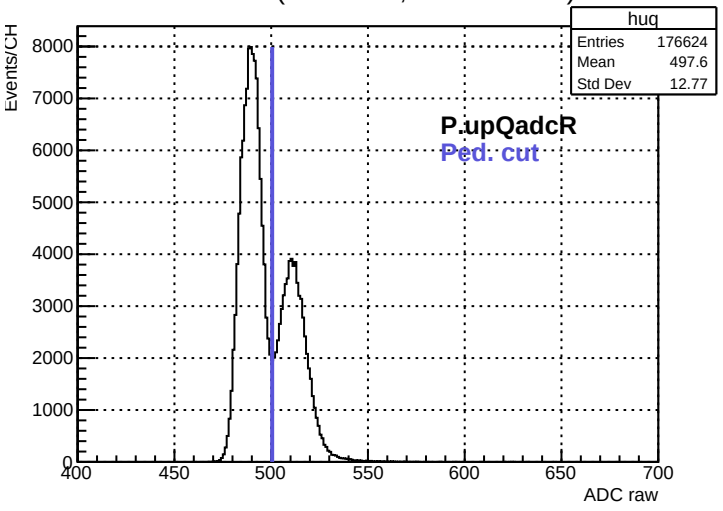

θlab (deg), xCut = -0.070 m
Theta
Entries 56305
Mean 4.8
Std Dev 0.4617
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

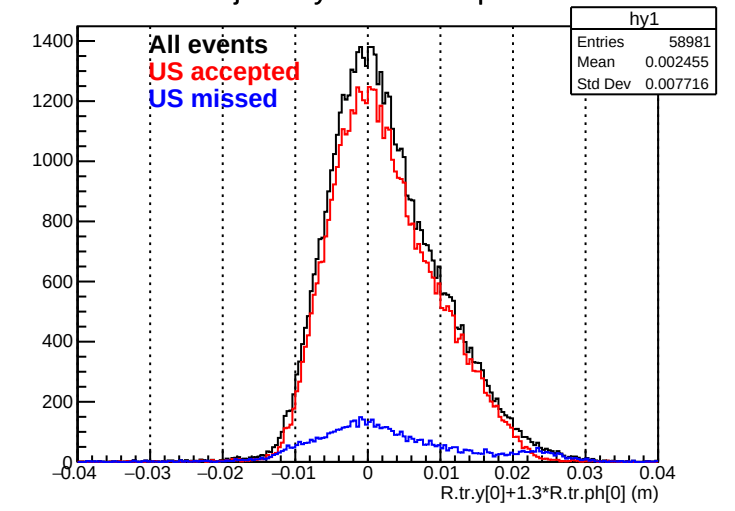

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 56305
Mean 0.5728
Std Dev 0.08177
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

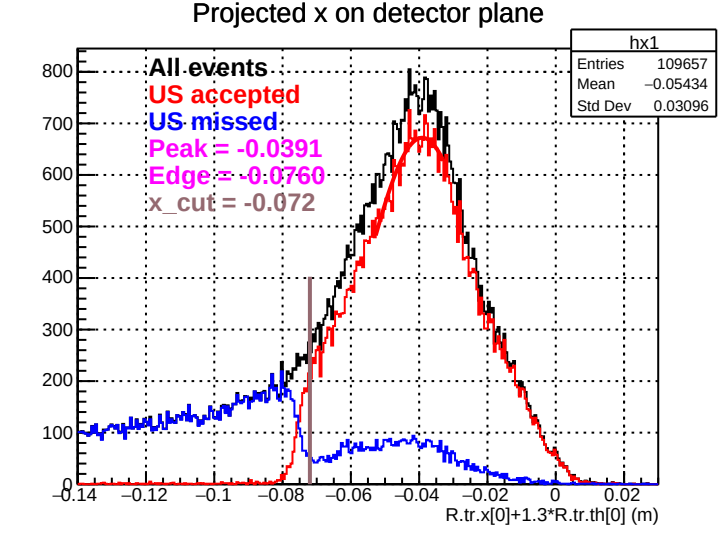

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 56305
Mean 0.5597
Std Dev 0.07794
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

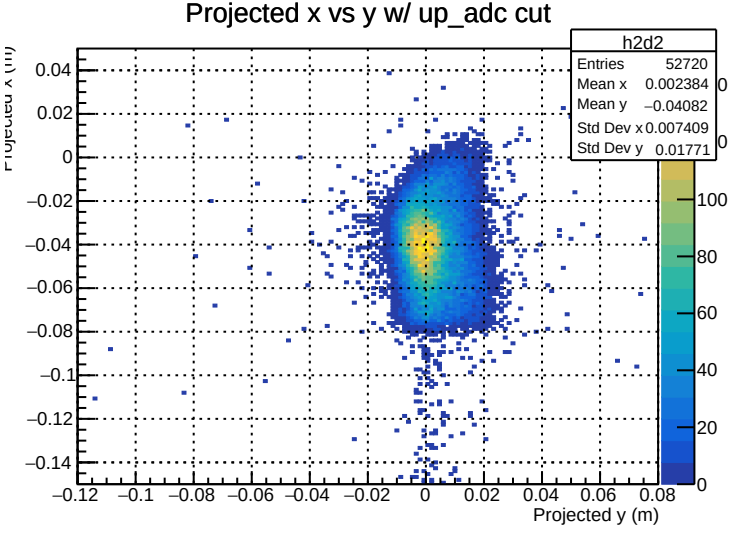

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 56305
Mean 0.006369
Std Dev 0.001254
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

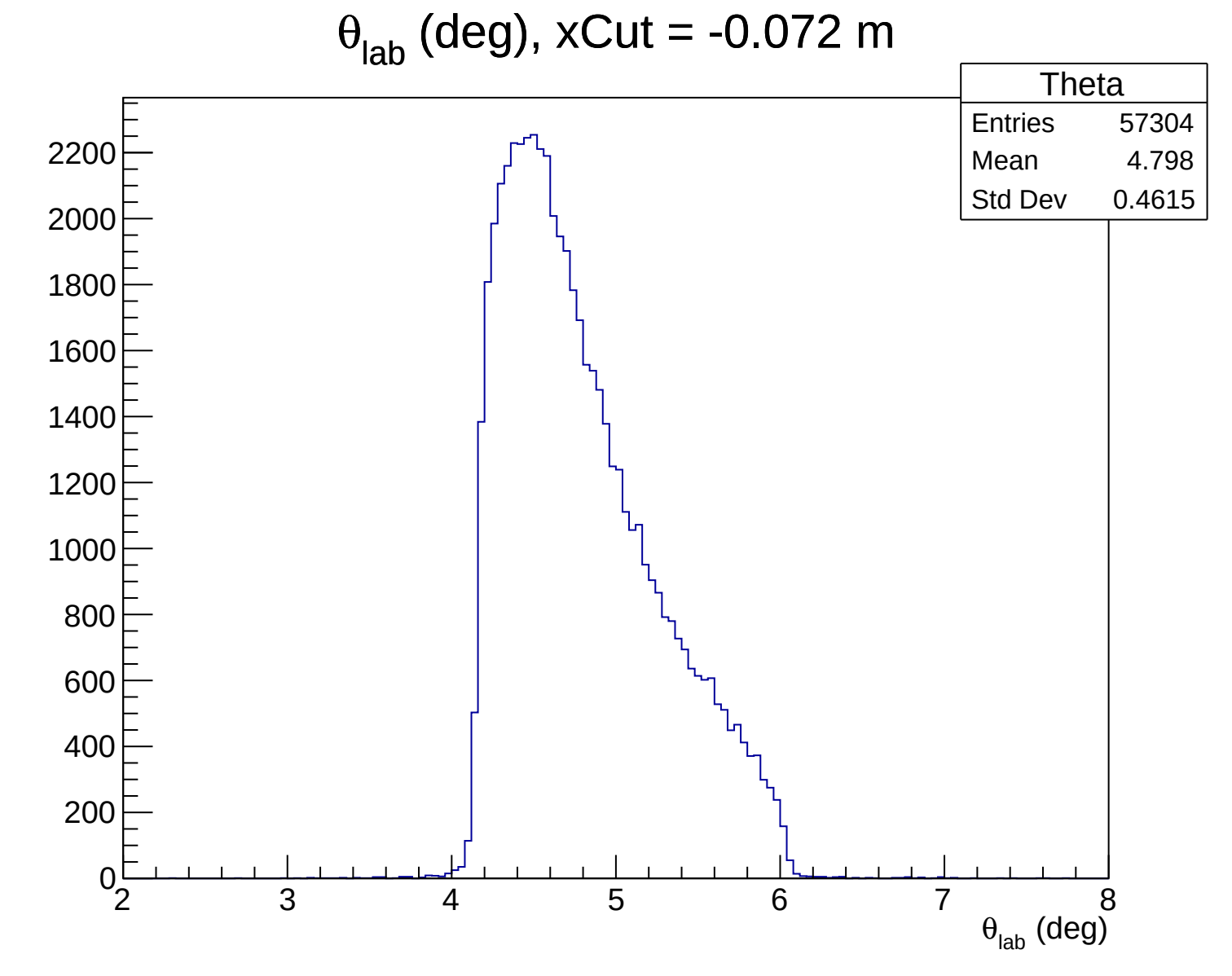

Sensitivity, xCut = -0.070 m
sens
Entries 56305
Mean 0.02239
Std Dev 0.003948
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

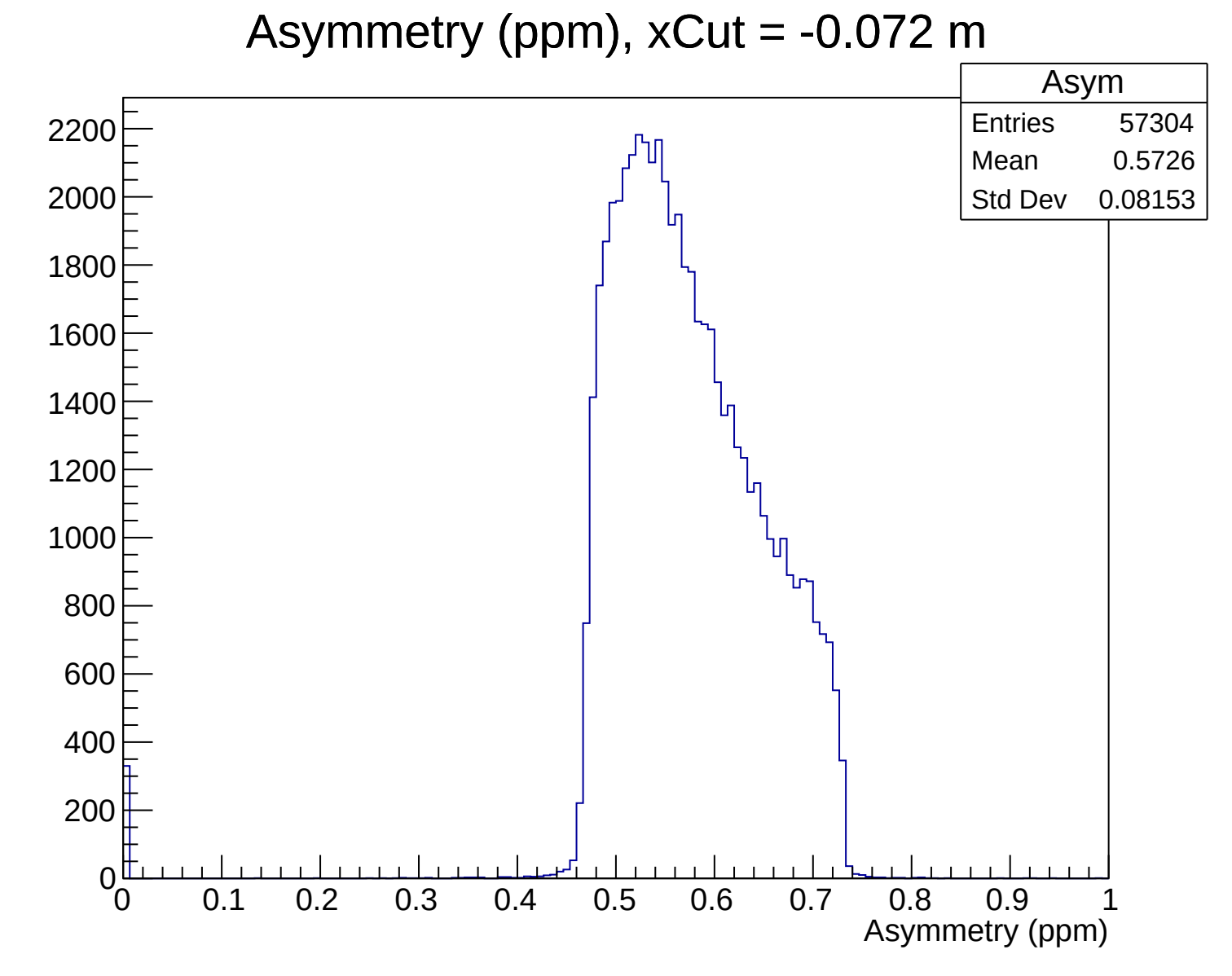

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

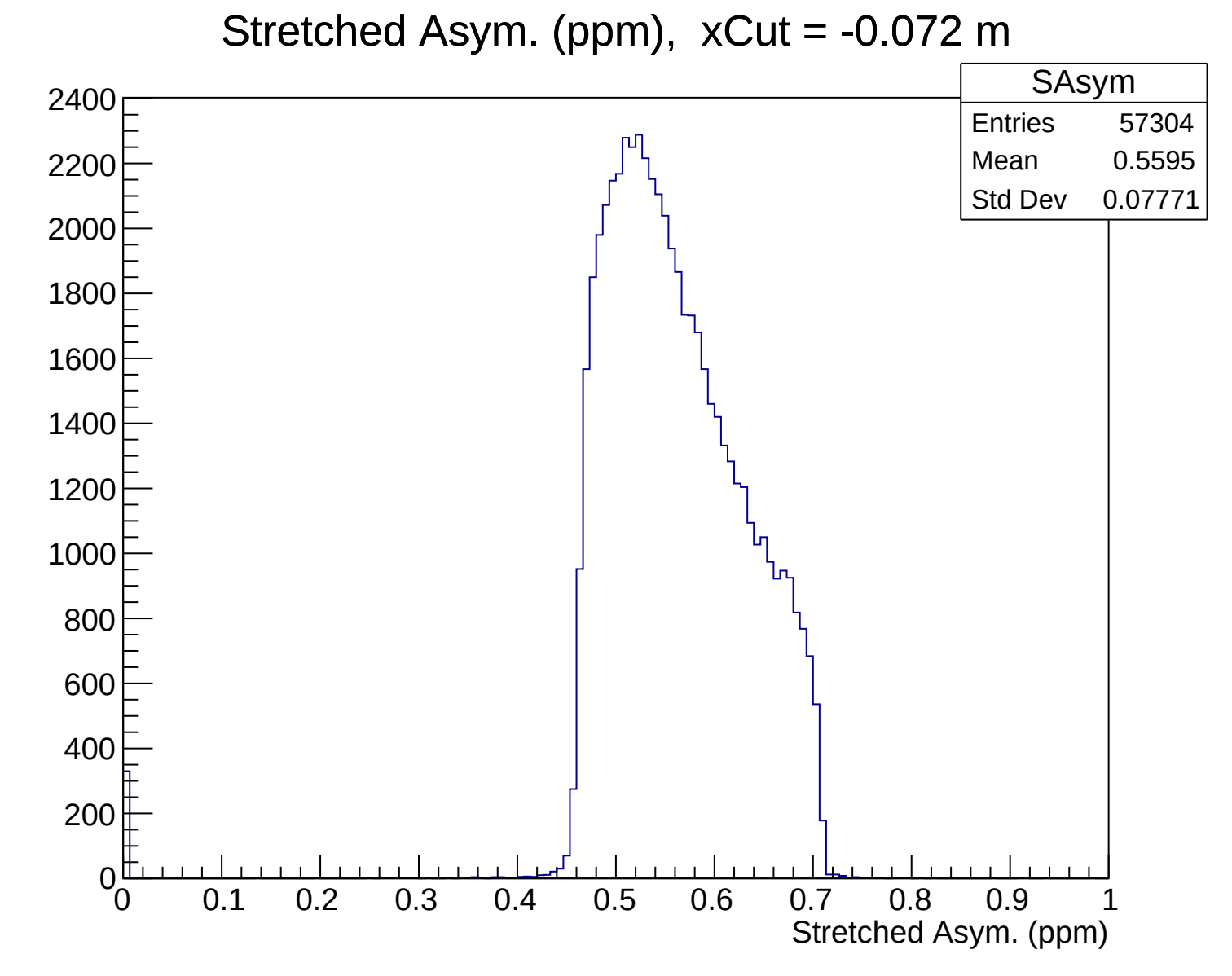

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

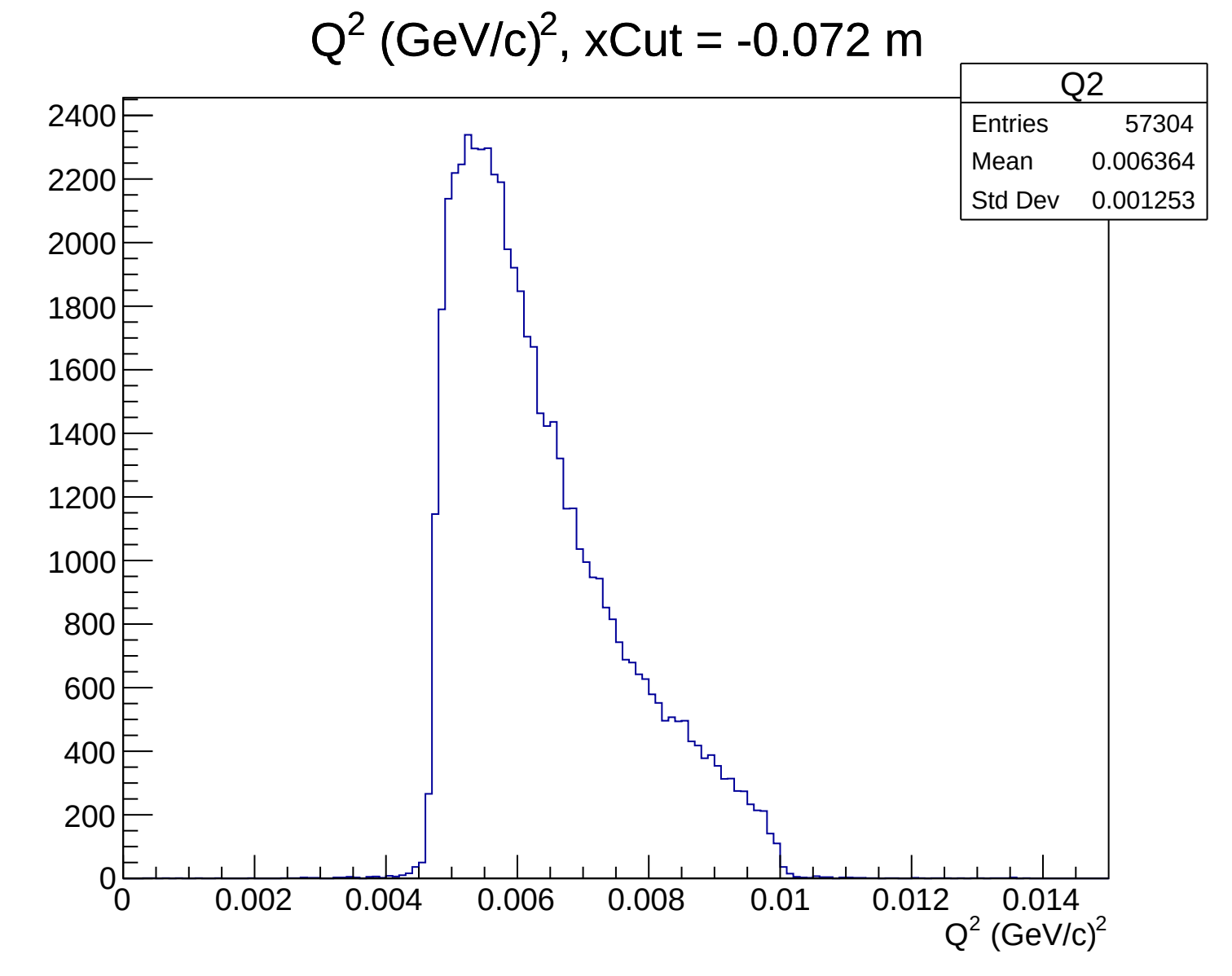

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.072
R.tr.x[0]+1.3*R.tr.th[0] (m)

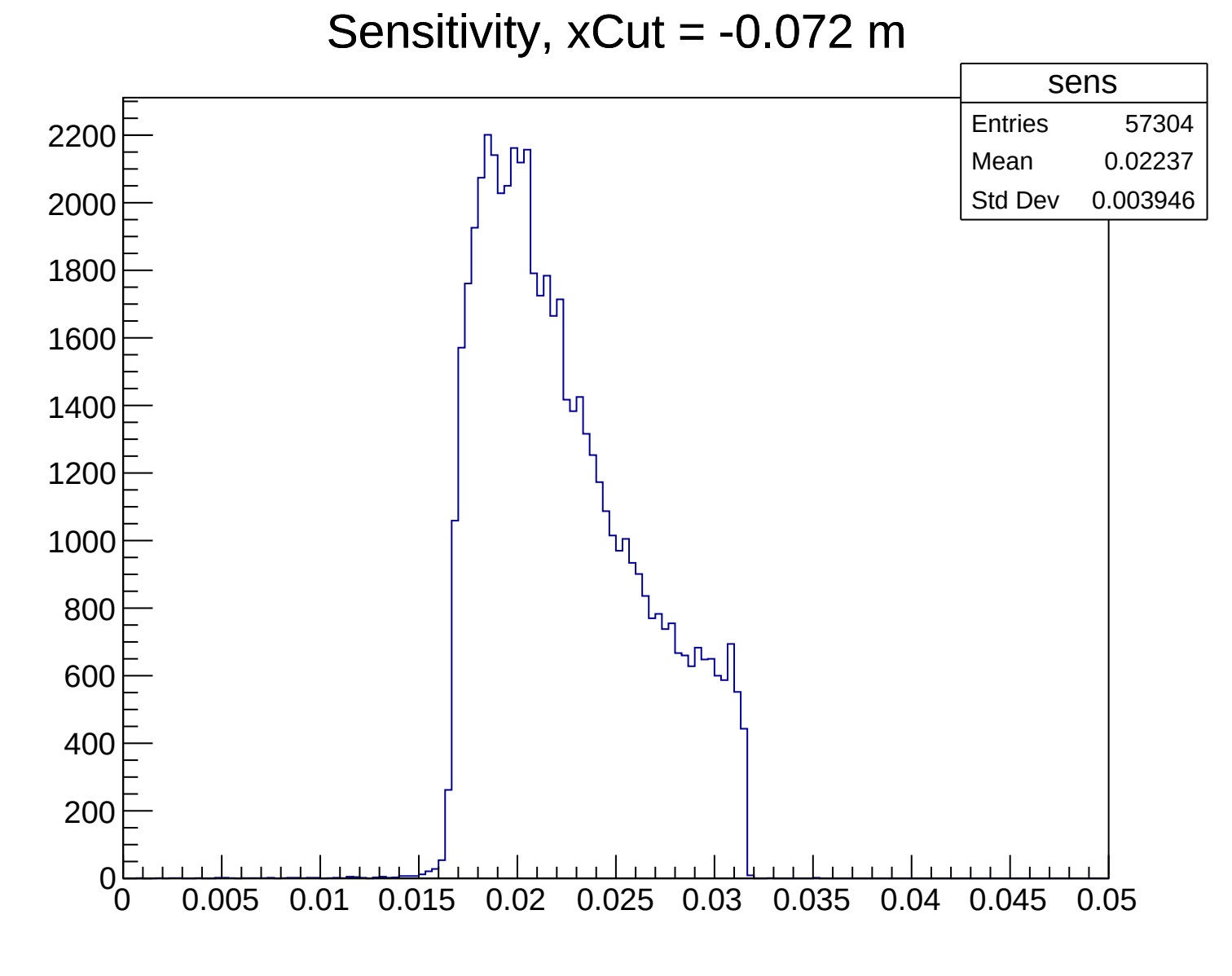

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

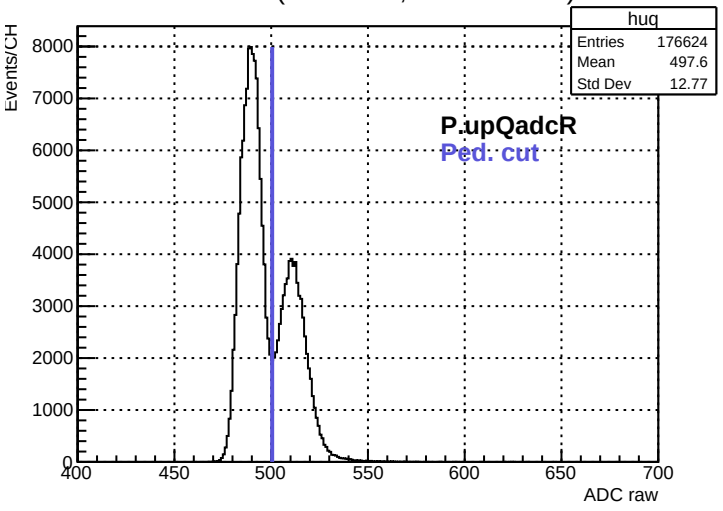

θlab (deg), xCut = -0.072 m
Theta
Entries 57304
Mean 4.798
Std Dev 0.4615
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

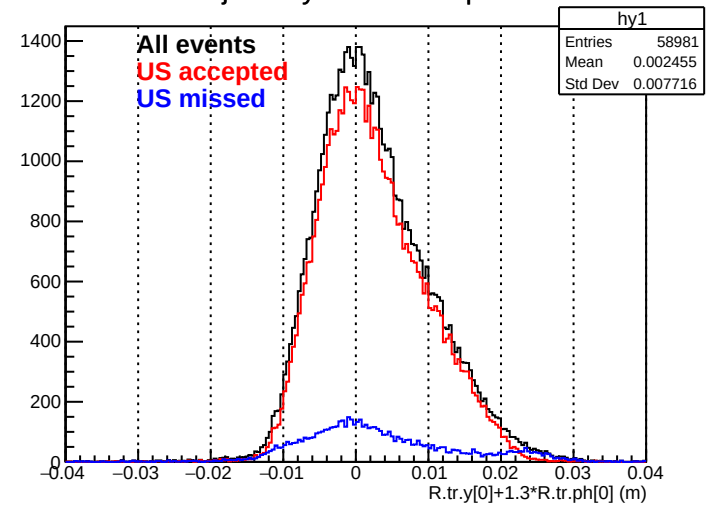

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 57304
Mean 0.5726
Std Dev 0.08153
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

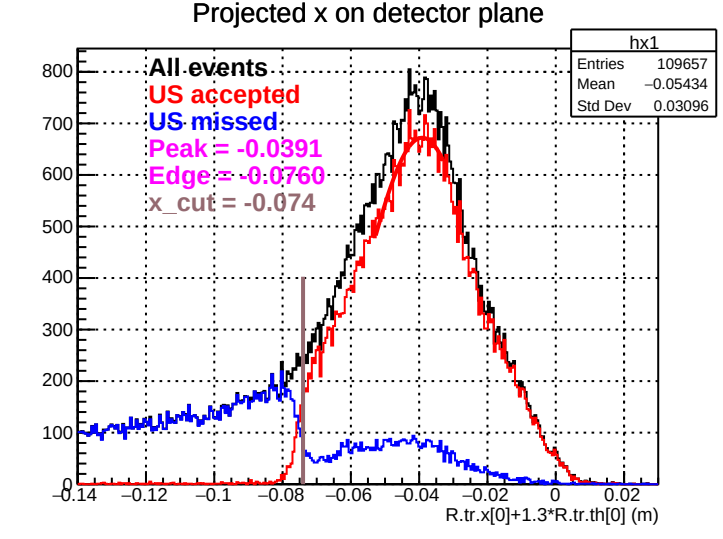

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 57304
Mean 0.5595
Std Dev 0.07771
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

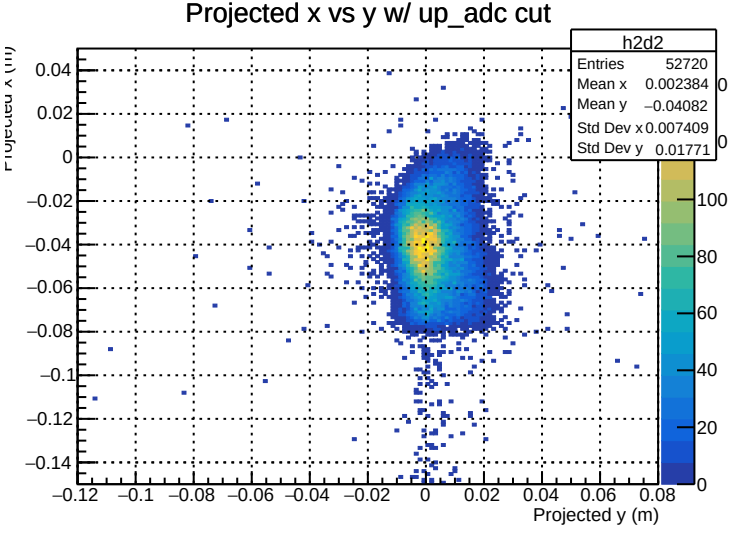

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 57304
Mean 0.006364
Std Dev 0.001253
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

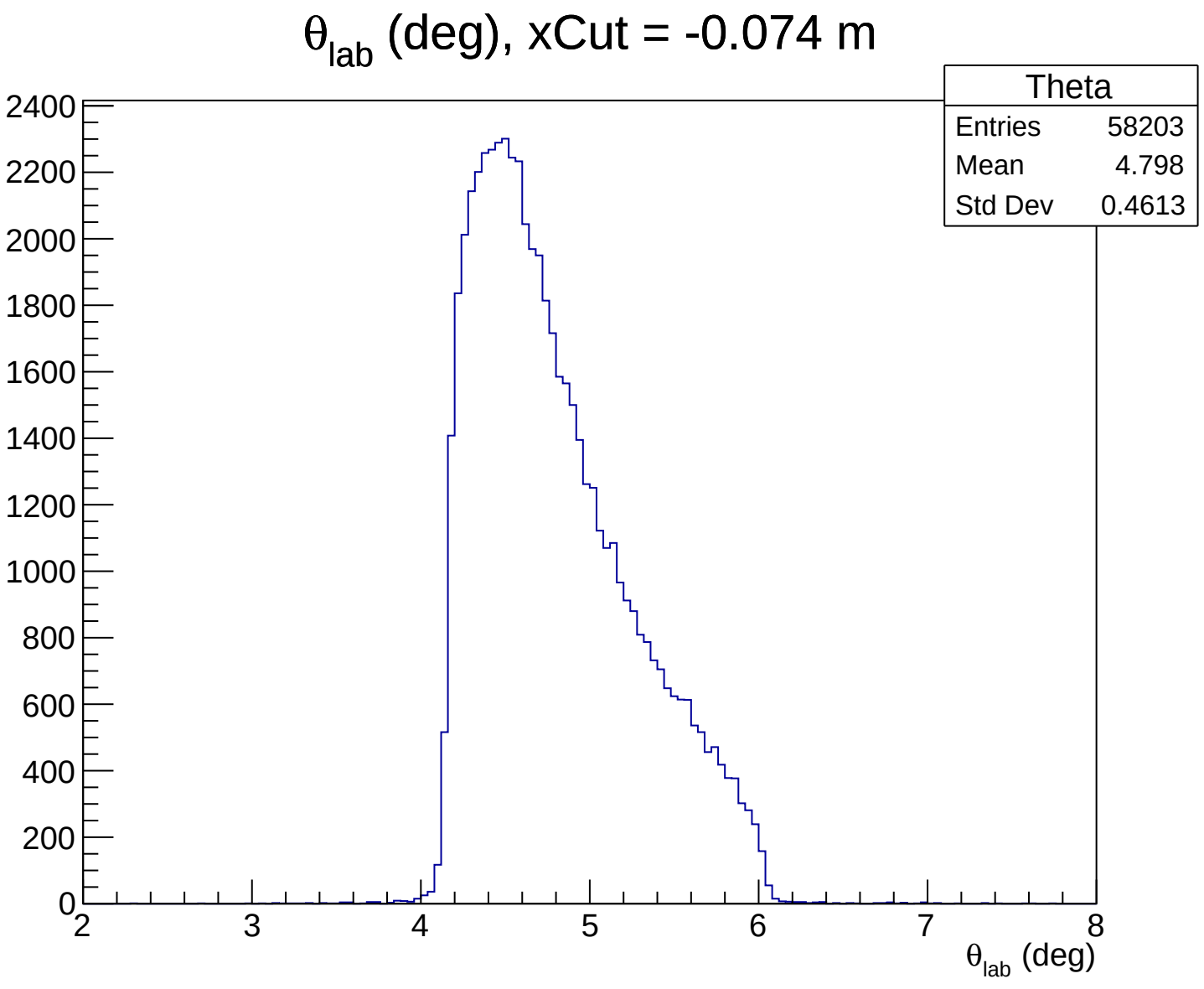

Sensitivity, xCut = -0.072 m
sens
Entries 57304
Mean 0.02237
Std Dev 0.003946
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

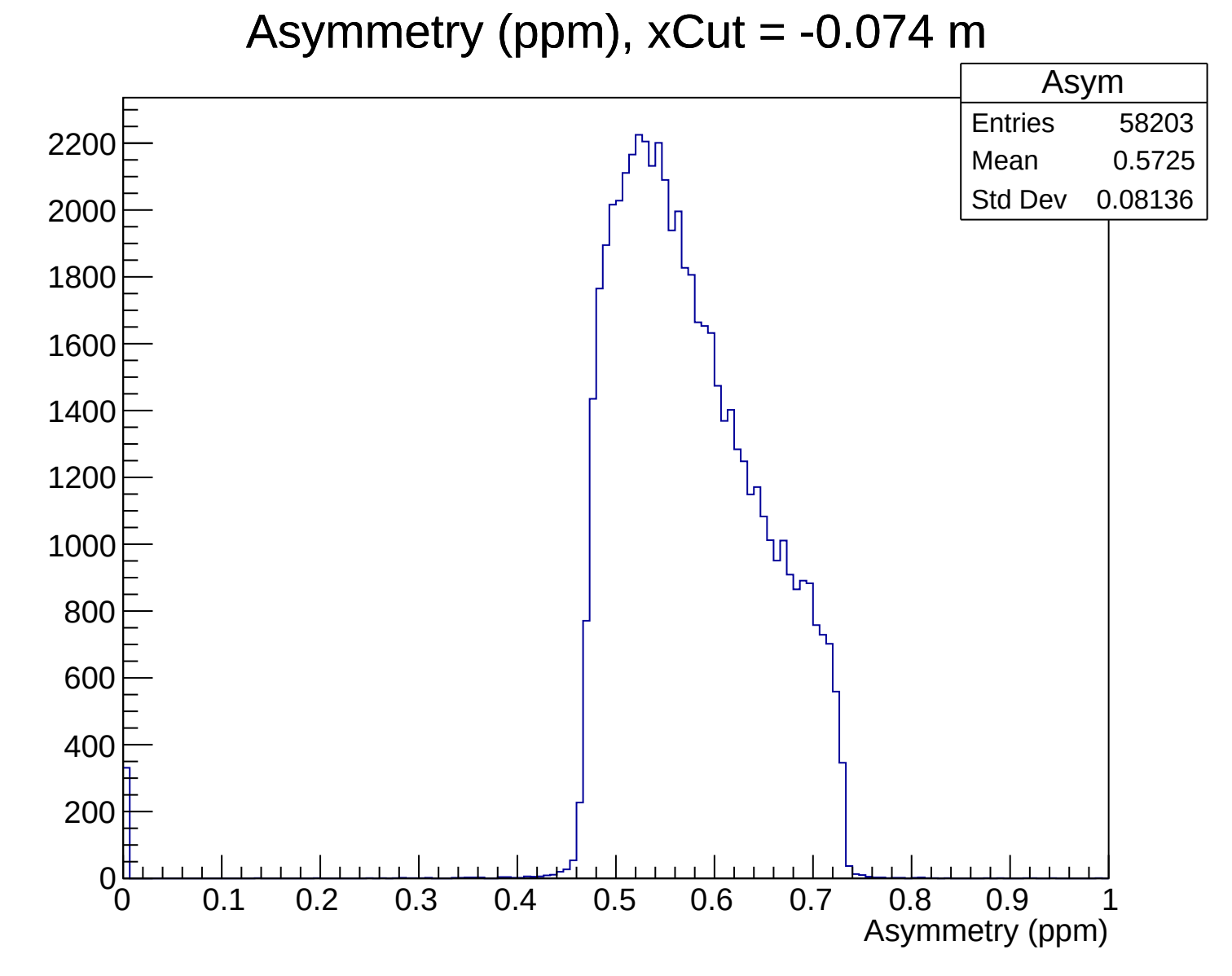

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

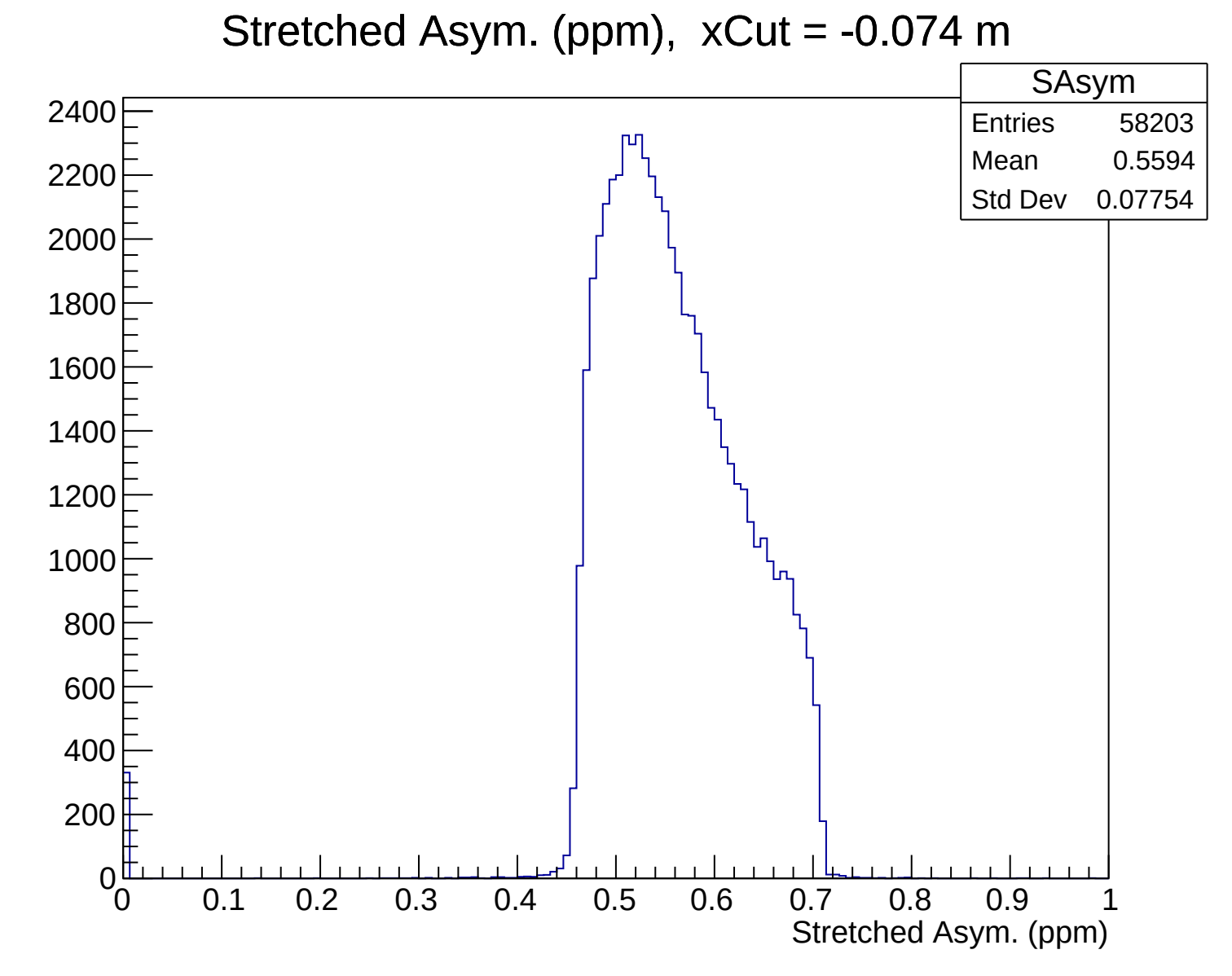

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

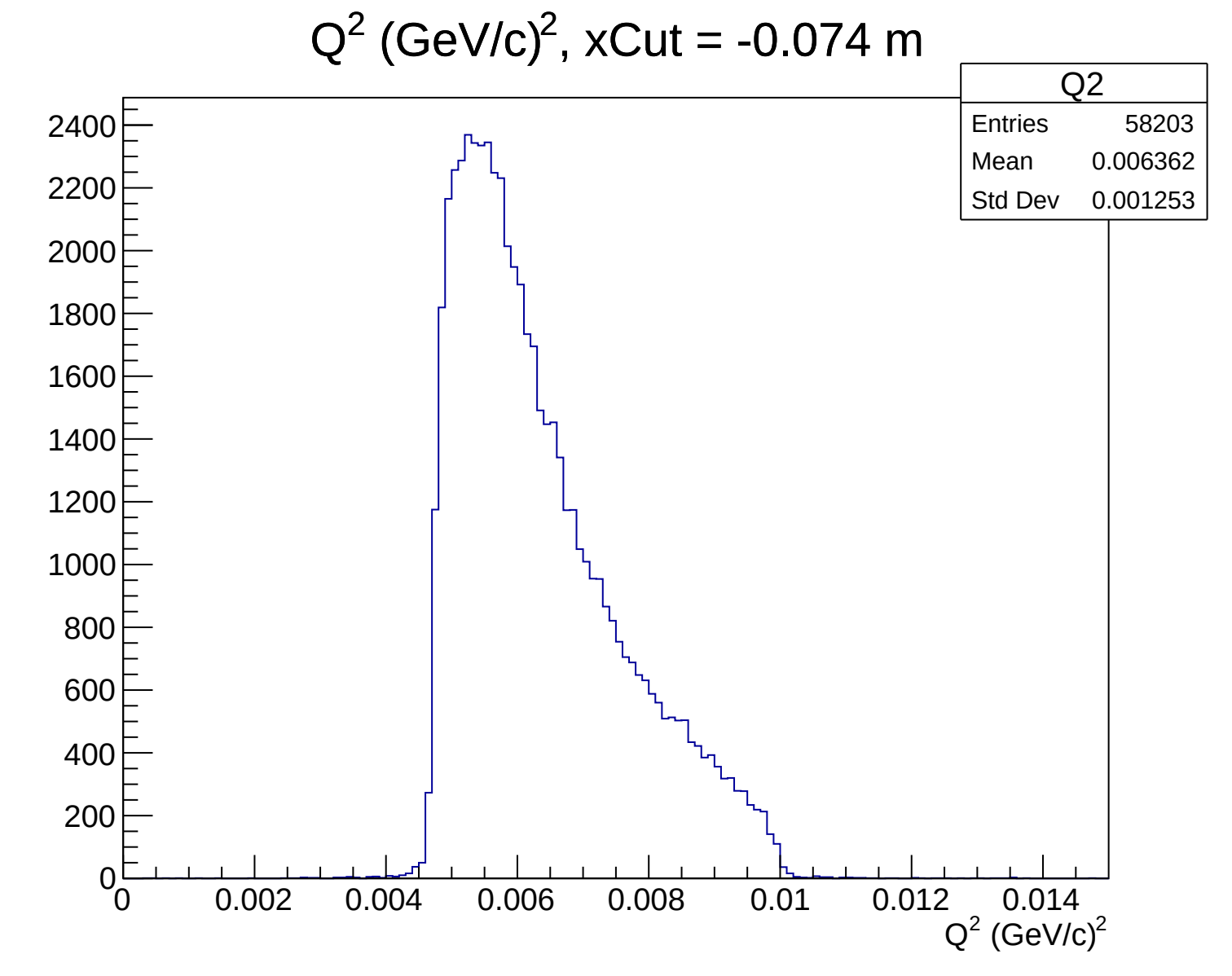

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.074
R.tr.x[0]+1.3*R.tr.th[0] (m)

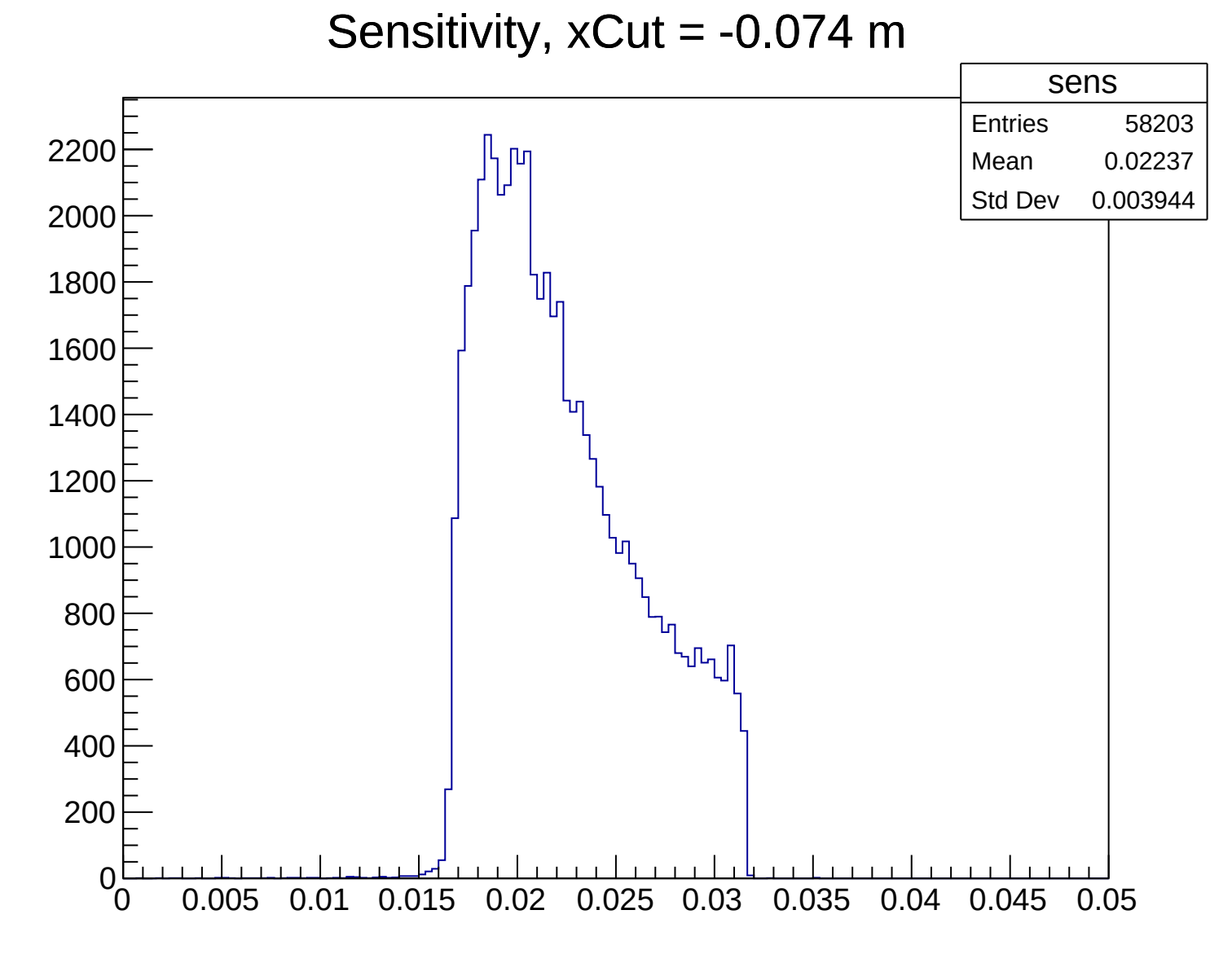

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

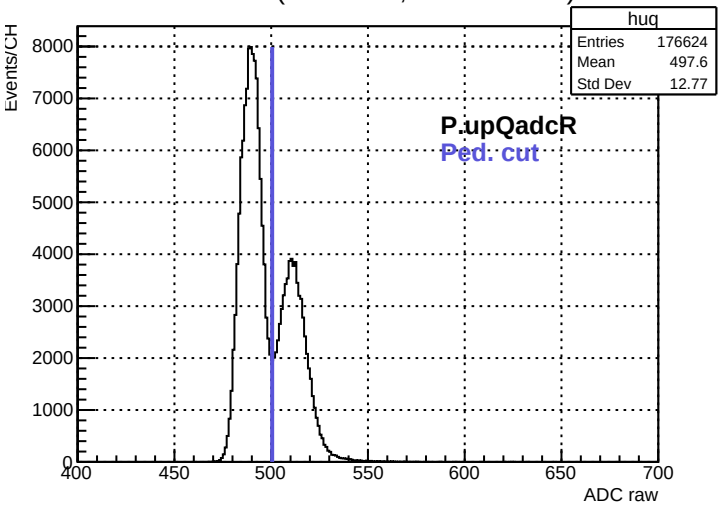

θlab (deg), xCut = -0.074 m
Theta
Entries 58203
Mean 4.798
Std Dev 0.4613
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

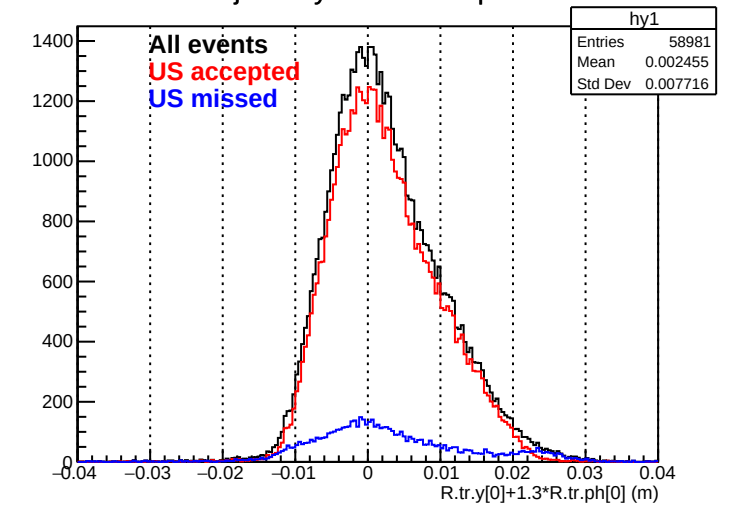

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 58203
Mean 0.5725
Std Dev 0.08136
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

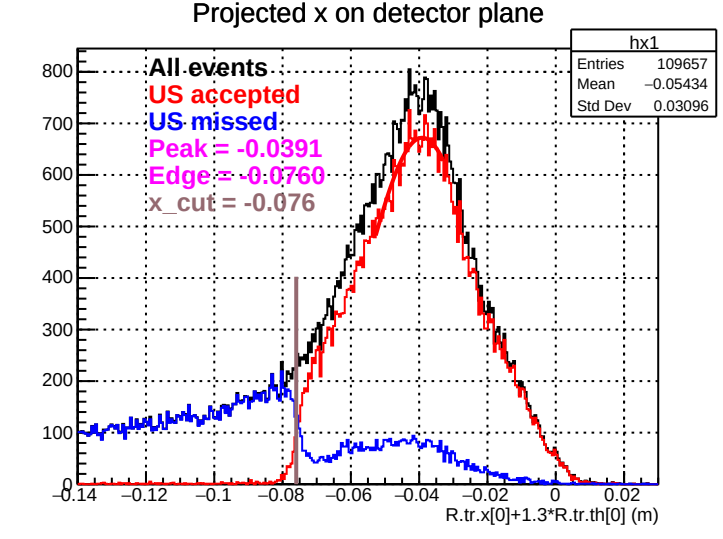

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 58203
Mean 0.5594
Std Dev 0.07754
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

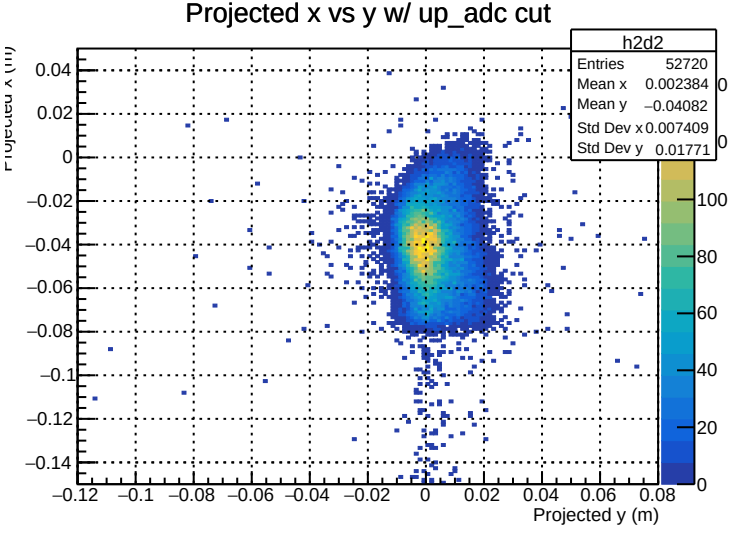

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 58203
Mean 0.006362
Std Dev 0.001253
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

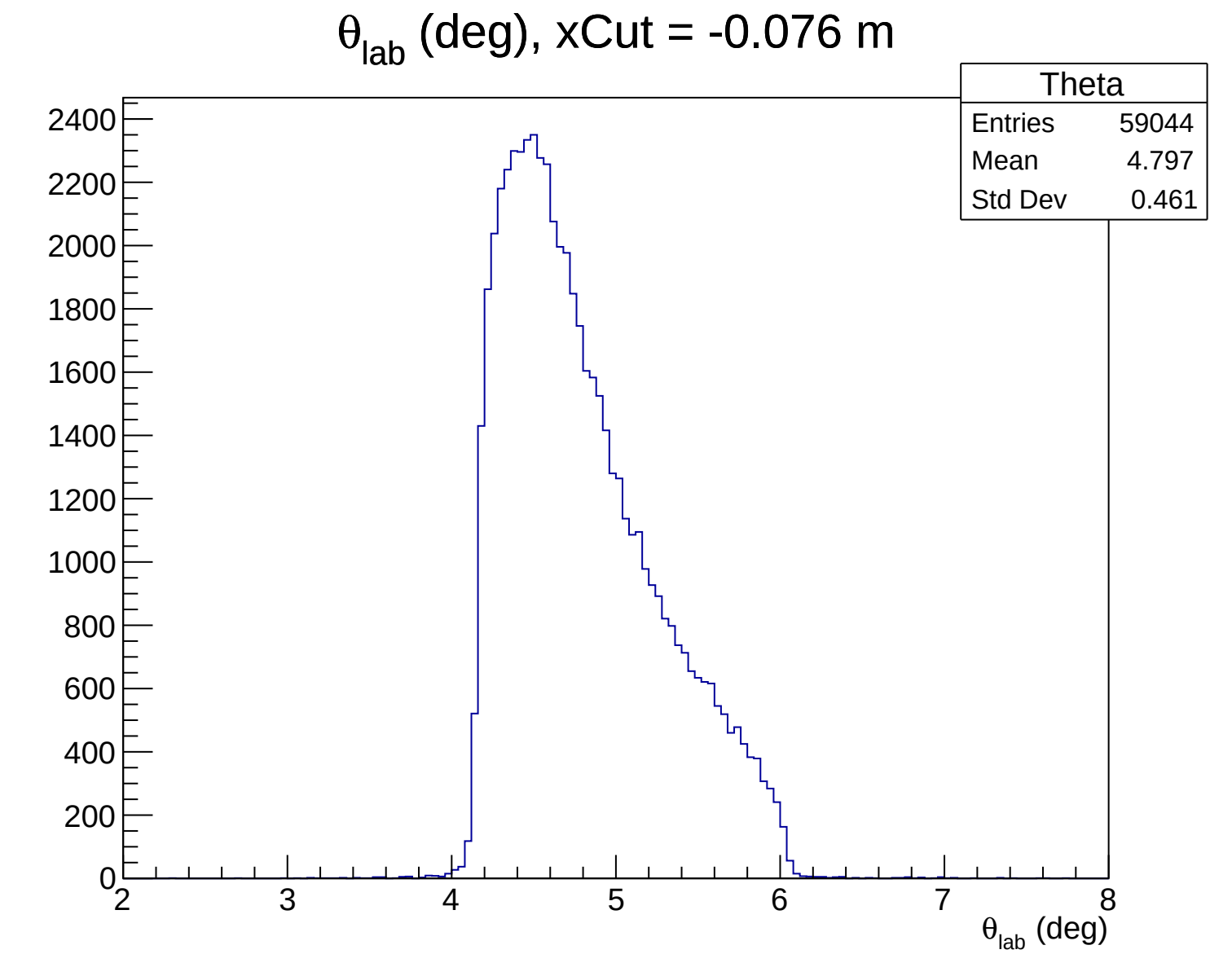

Sensitivity, xCut = -0.074 m
sens
Entries 58203
Mean 0.02237
Std Dev 0.003944
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

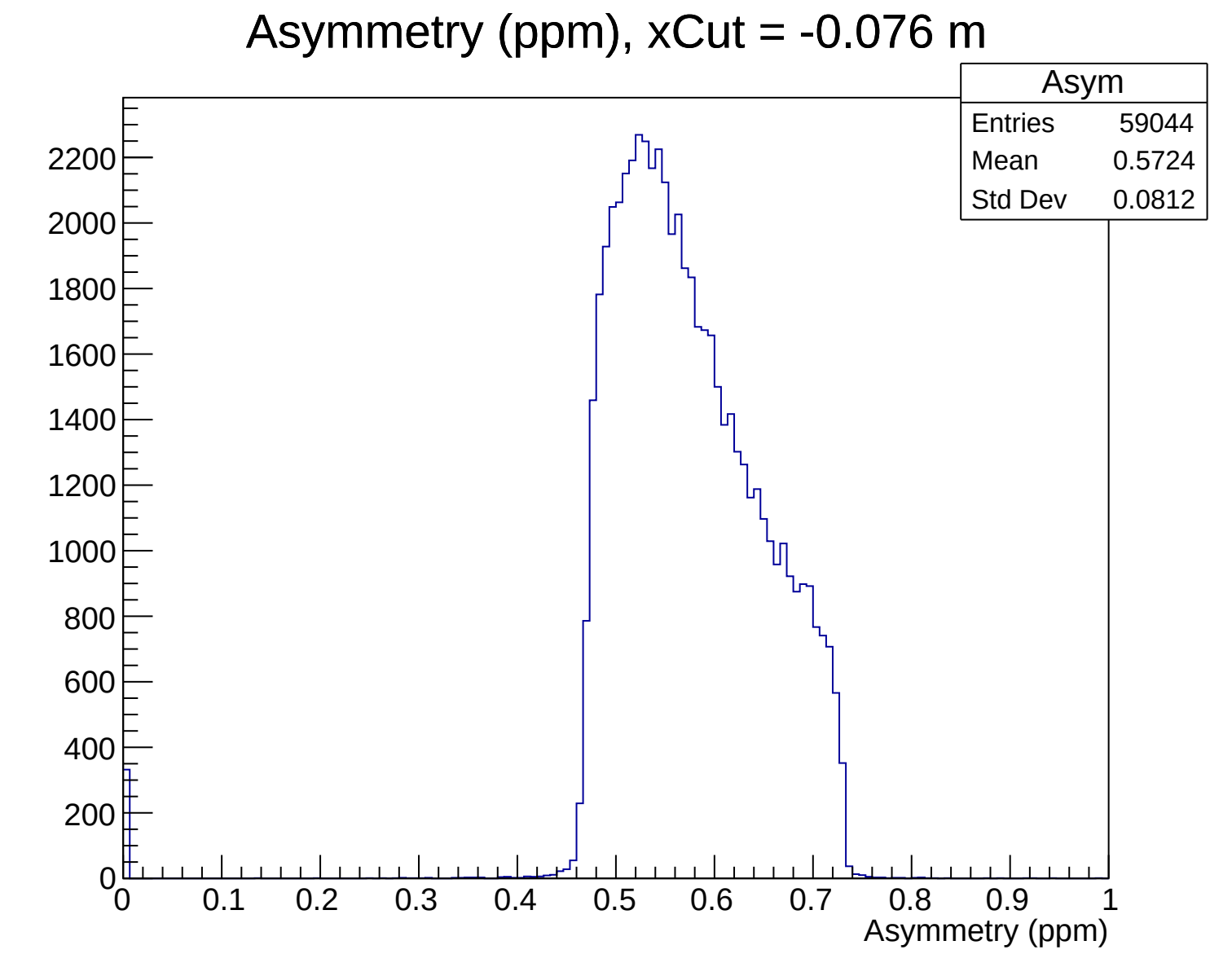

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

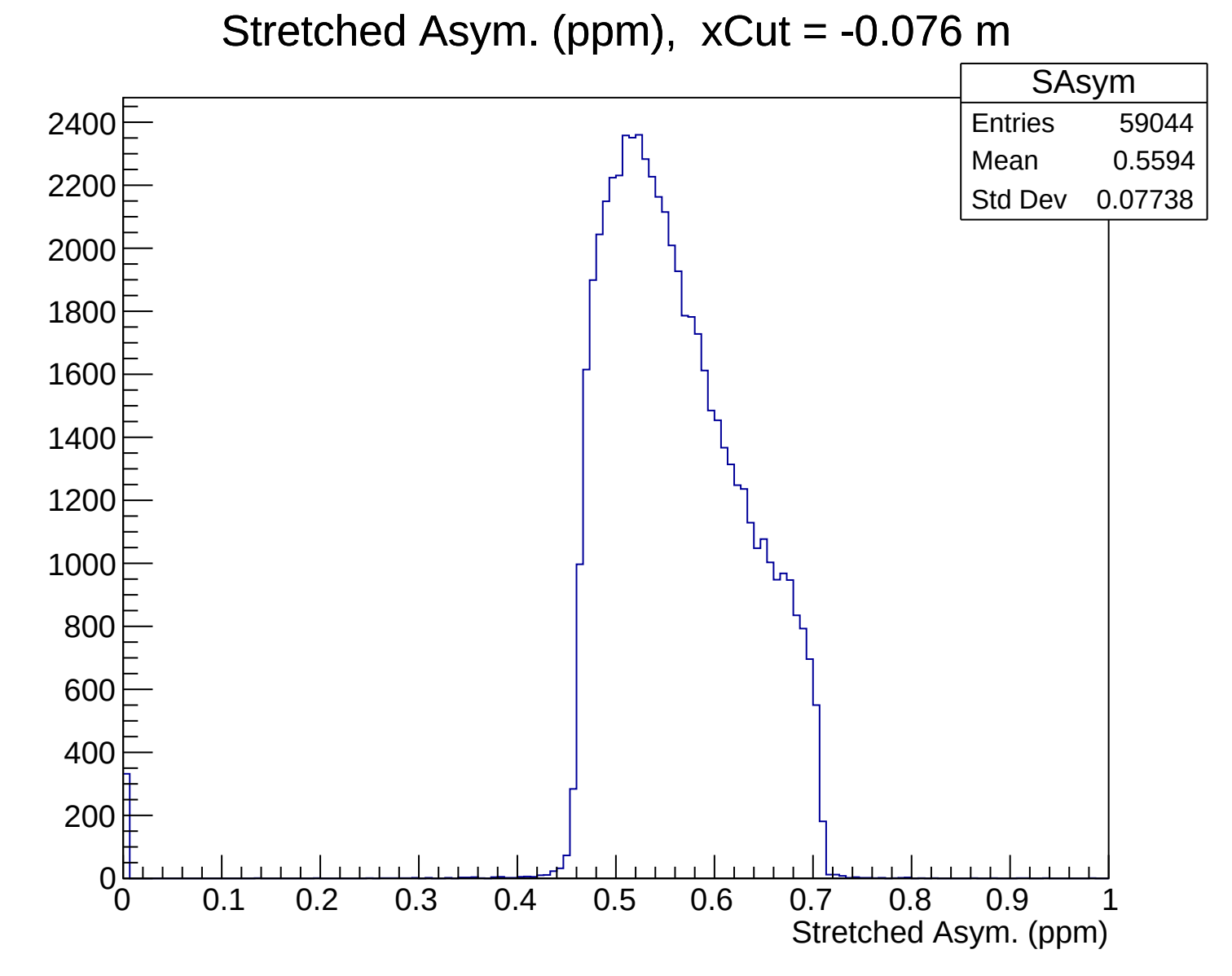

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

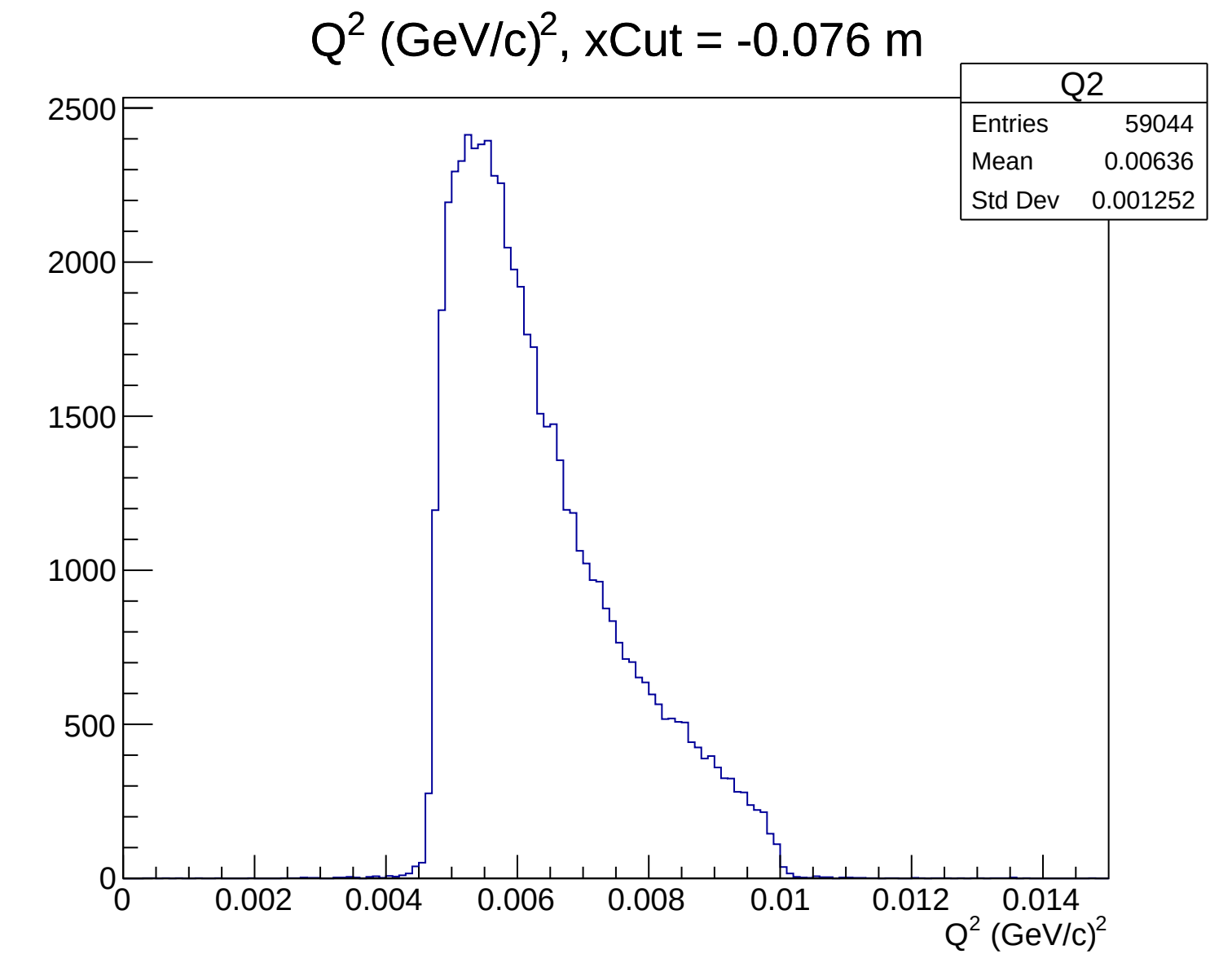

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.076
R.tr.x[0]+1.3*R.tr.th[0] (m)

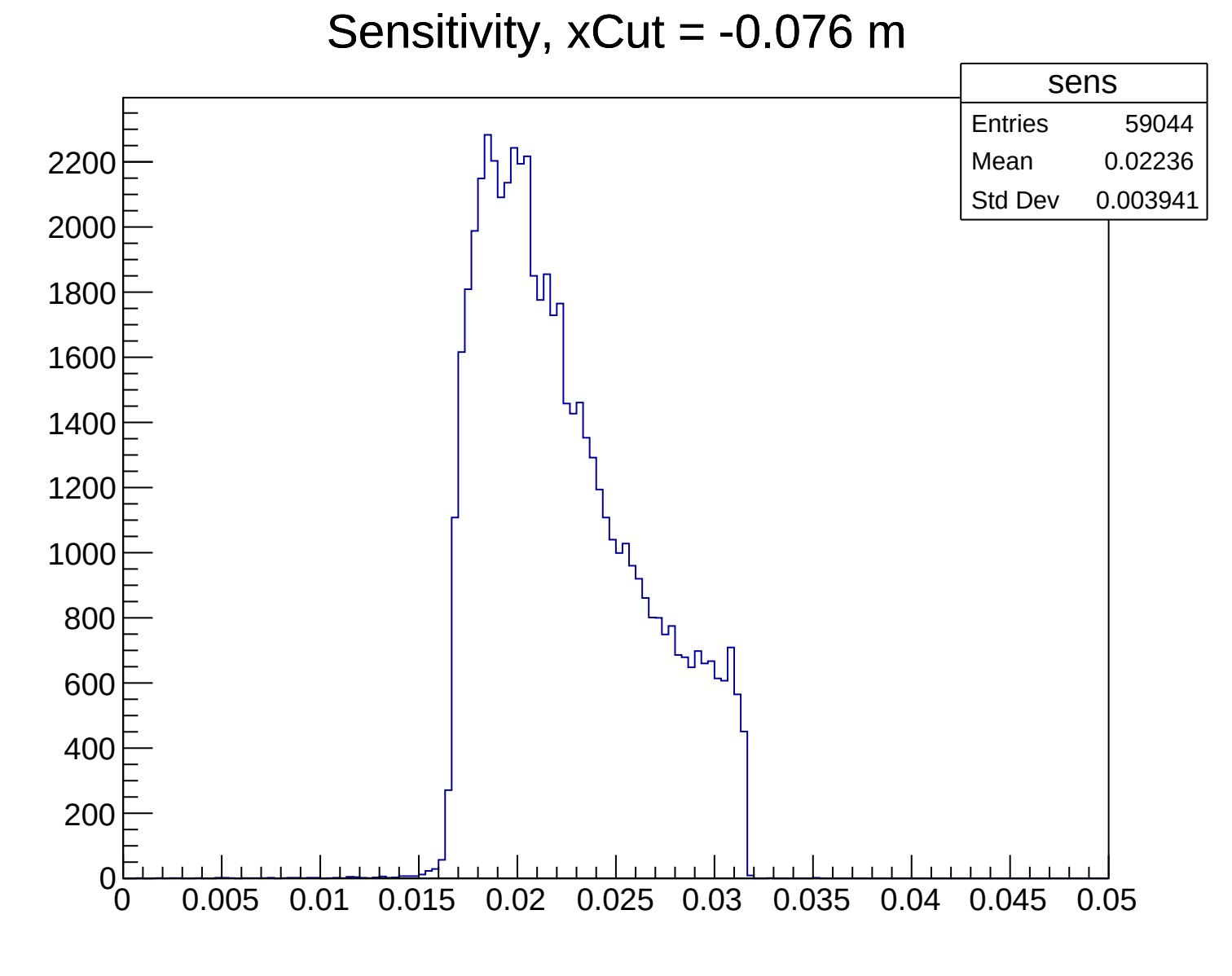

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected y (m)

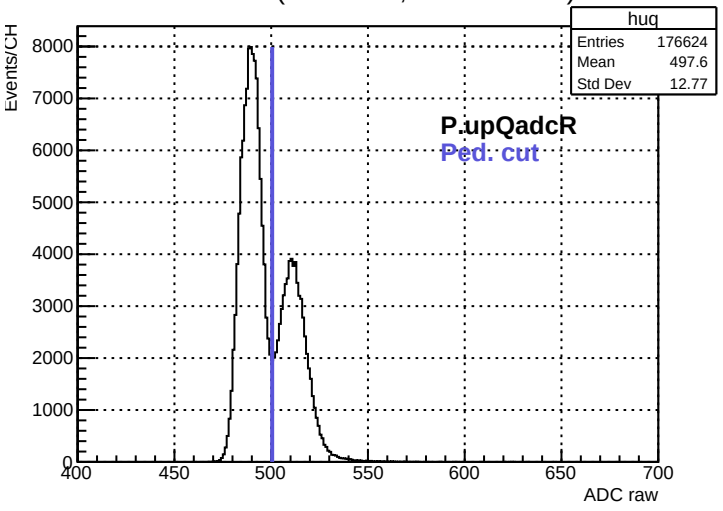

θlab (deg), xCut = -0.076 m
Theta
Entries 59044
Mean 4.797
Std Dev 0.461
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

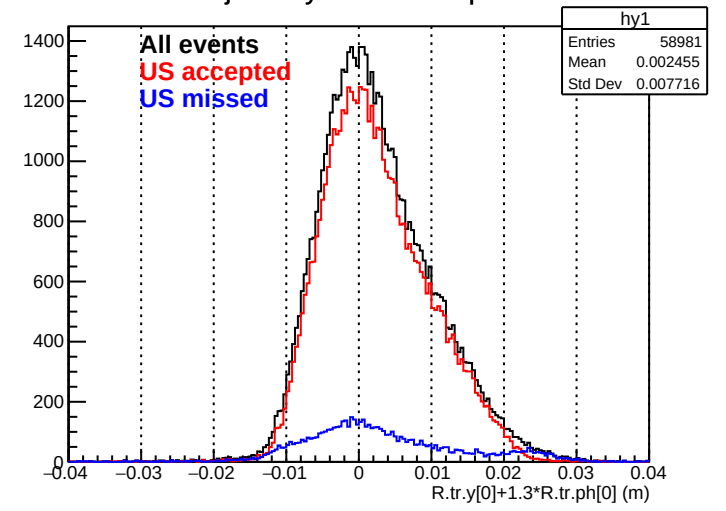

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 59044
Mean 0.5724
Std Dev 0.0812
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

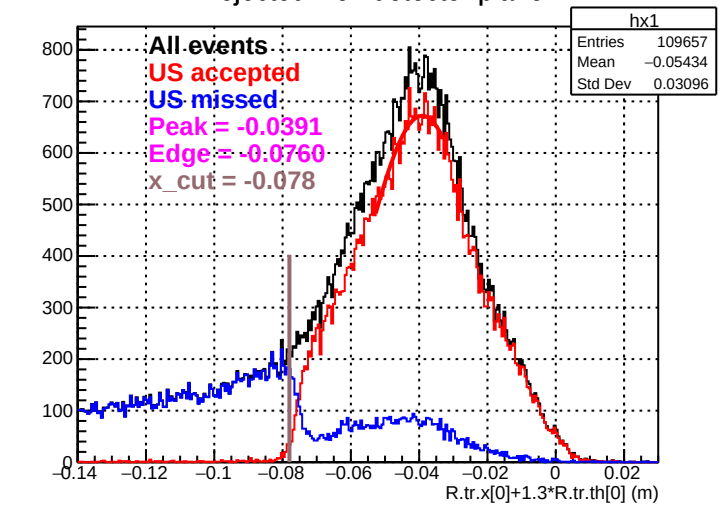

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 59044
Mean 0.5594
Std Dev 0.07738
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

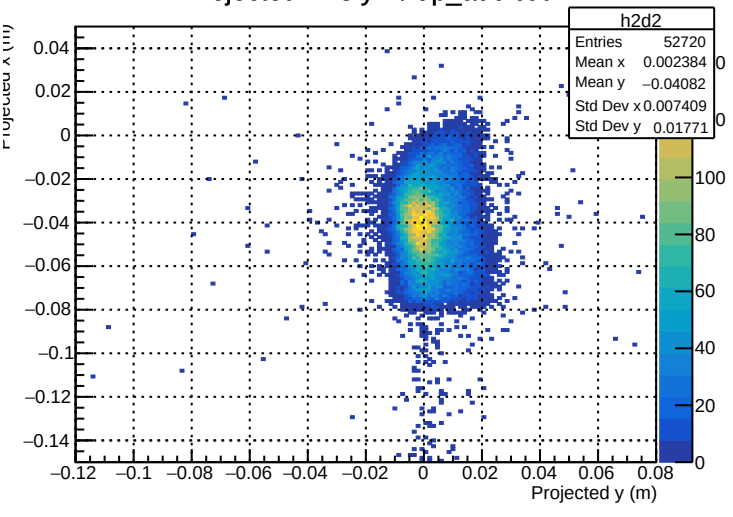

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 59044
Mean 0.00636
Std Dev 0.001252
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

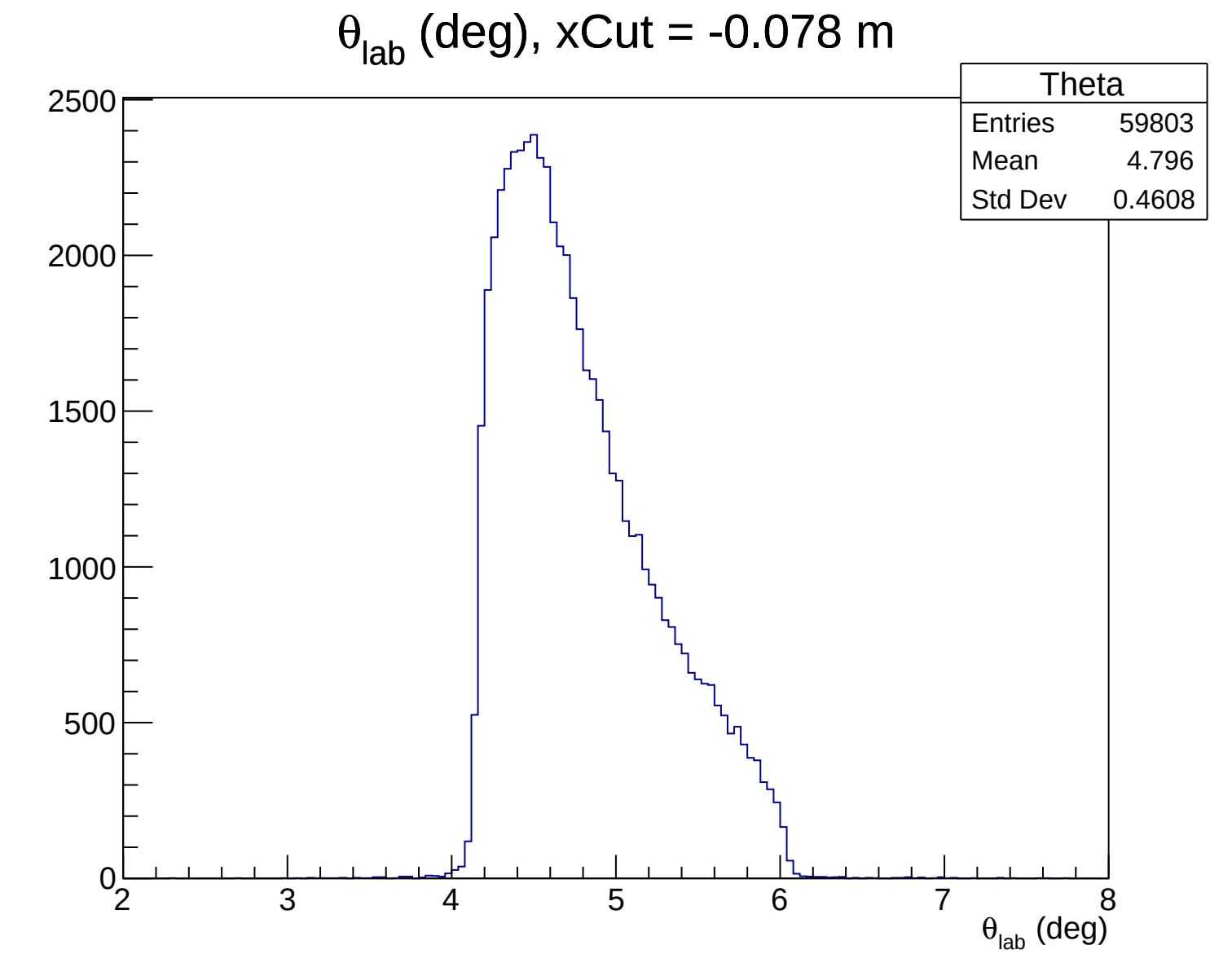

Sensitivity, xCut = -0.076 m
sens
Entries 59044
Mean 0.02236
Std Dev 0.003941
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

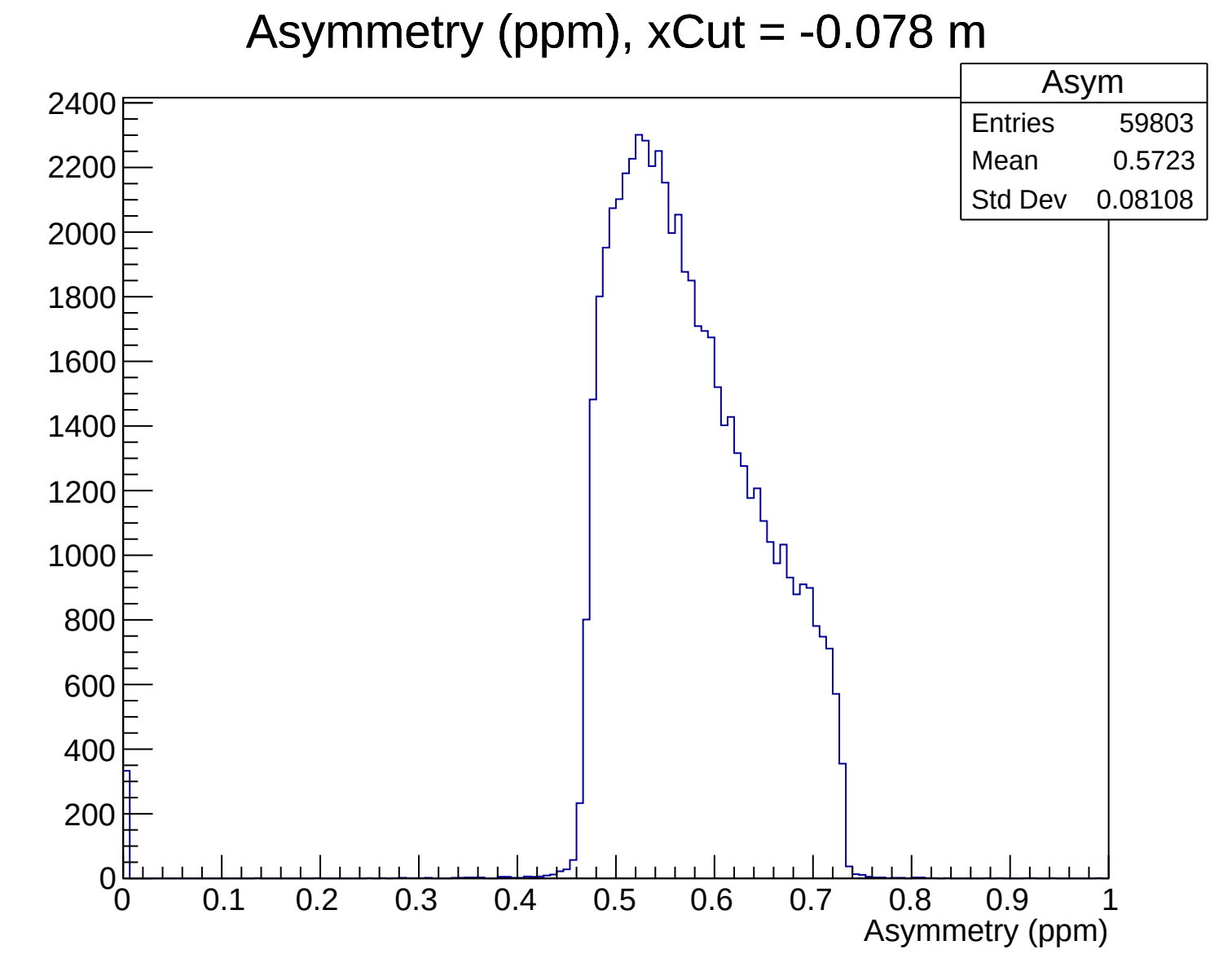

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

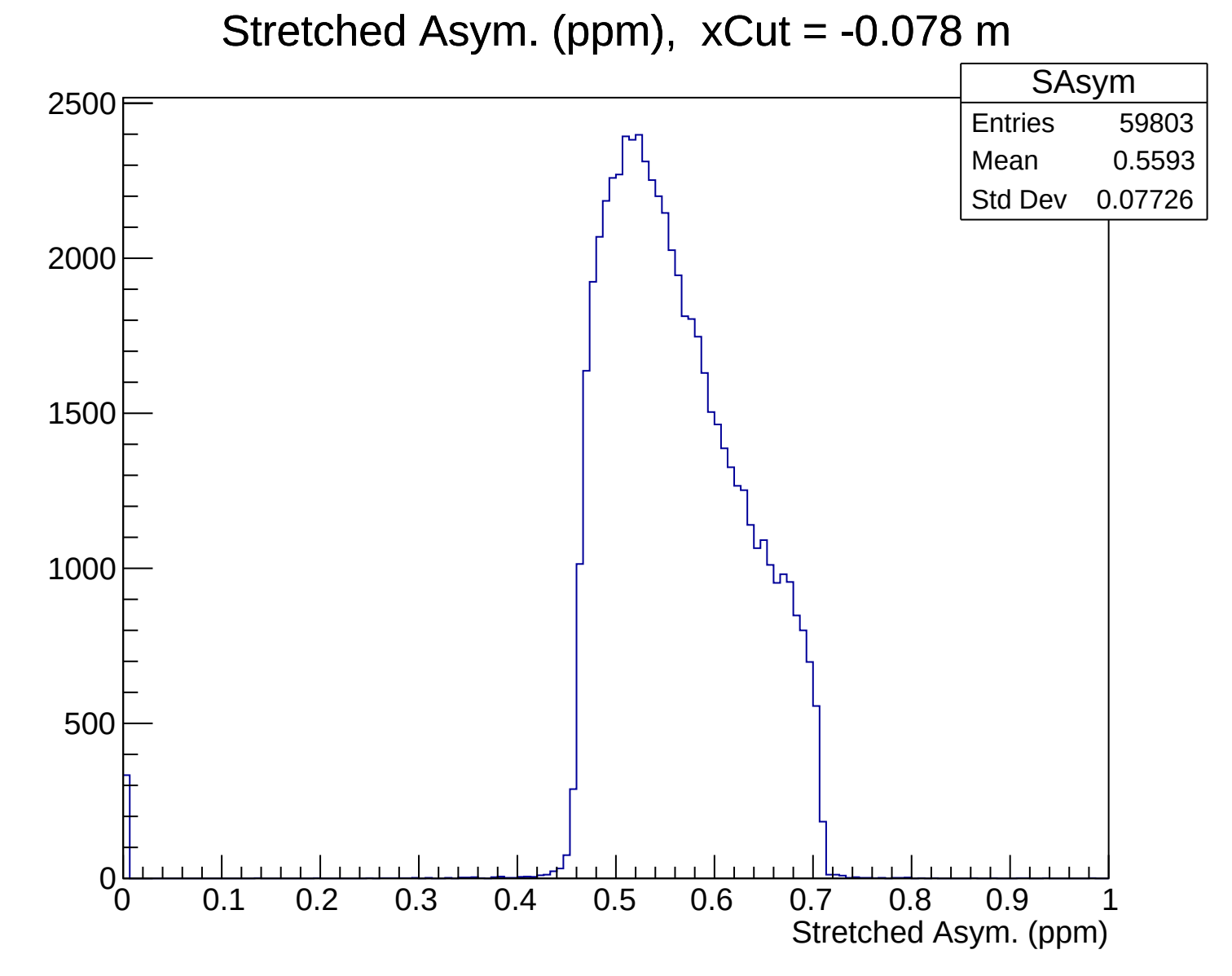

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

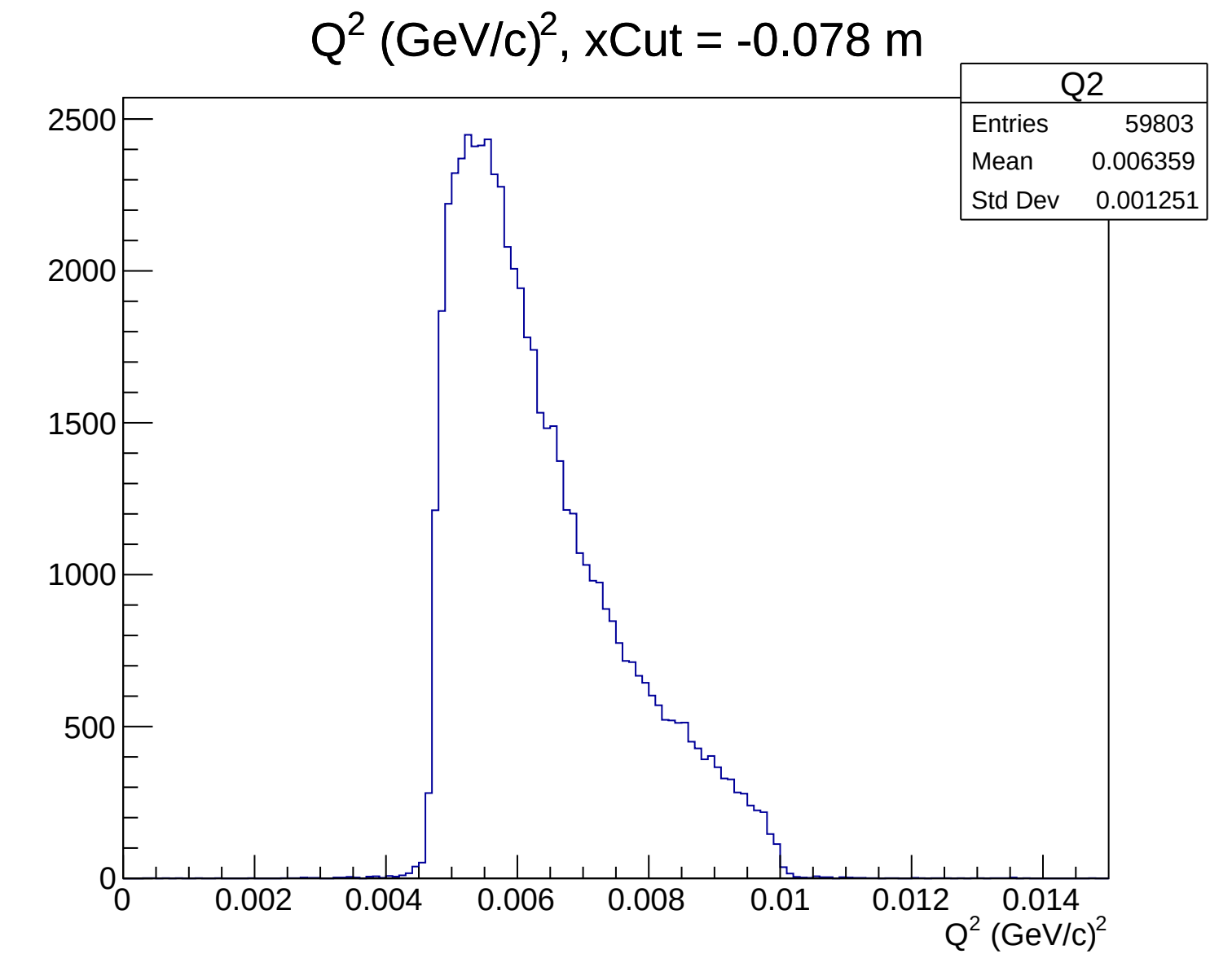

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.078
R.tr.x[0]+1.3*R.tr.th[0] (m)

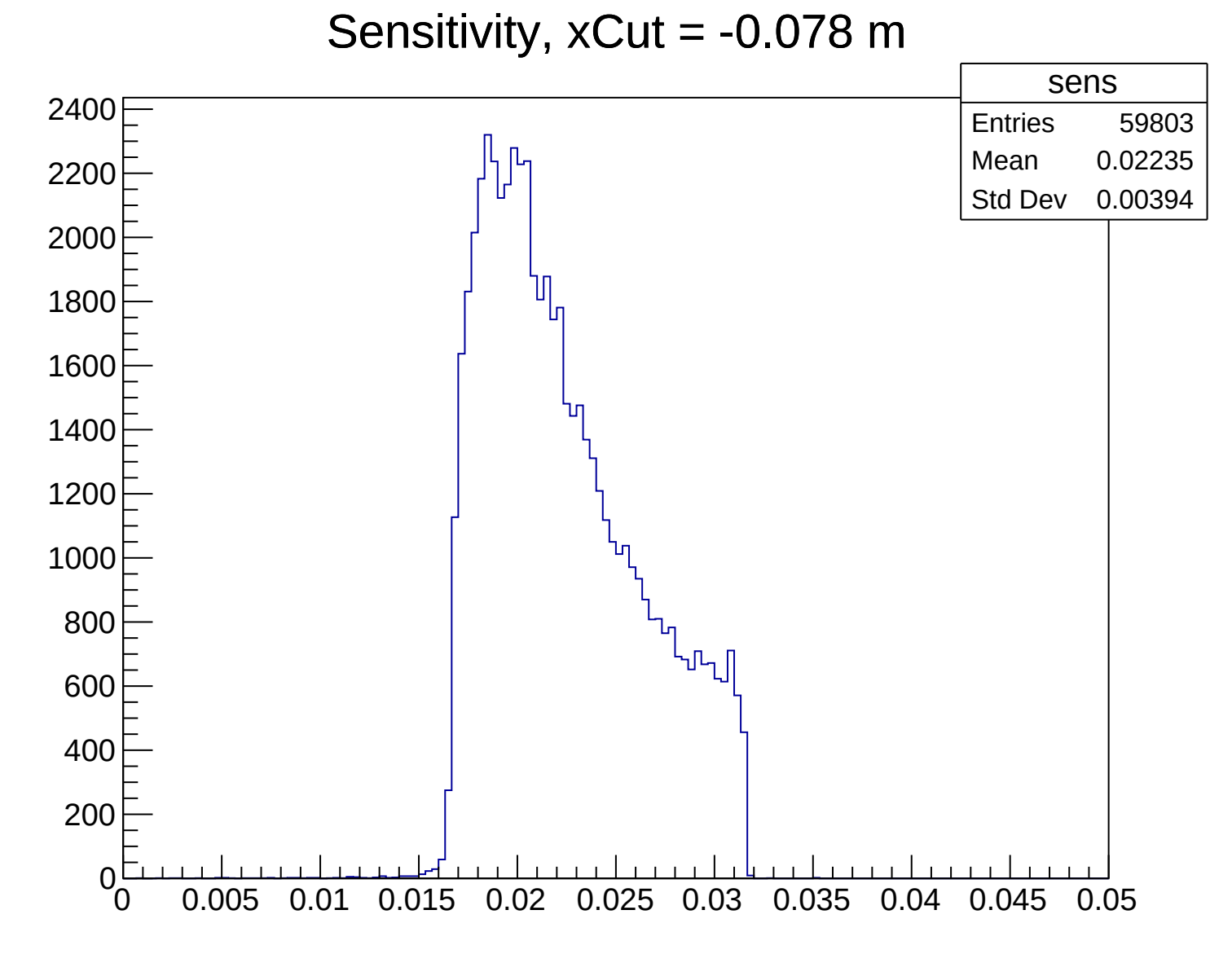

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

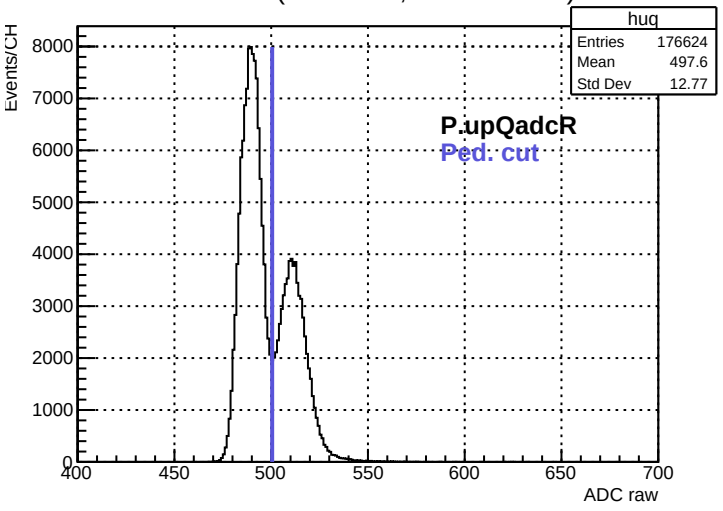

θlab (deg), xCut = -0.078 m
Theta
Entries 59803
Mean 4.796
Std Dev 0.4608
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

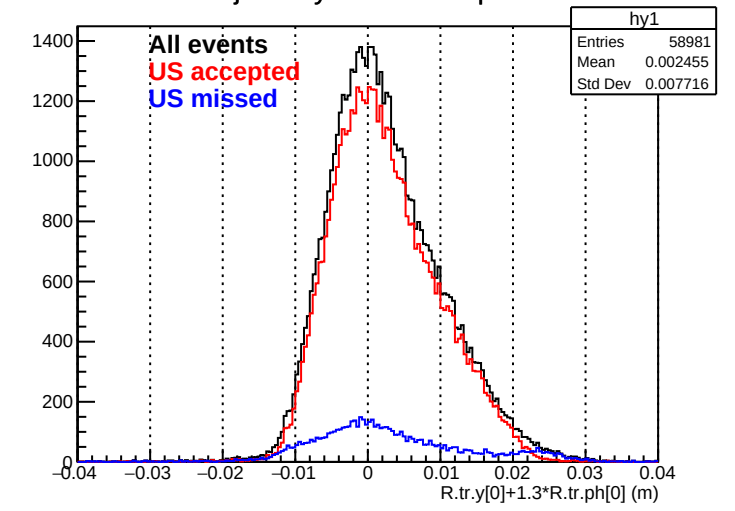

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 59803
Mean 0.5723
Std Dev 0.08108
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

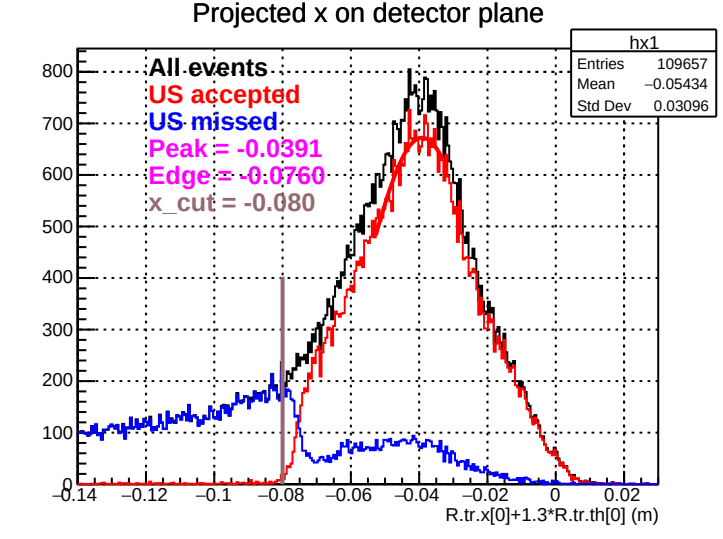

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 59803
Mean 0.5593
Std Dev 0.07726
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

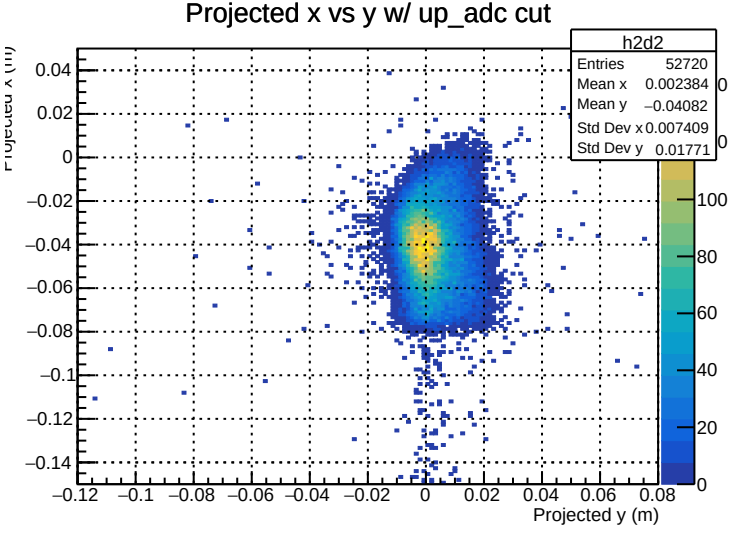

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 59803
Mean 0.006359
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

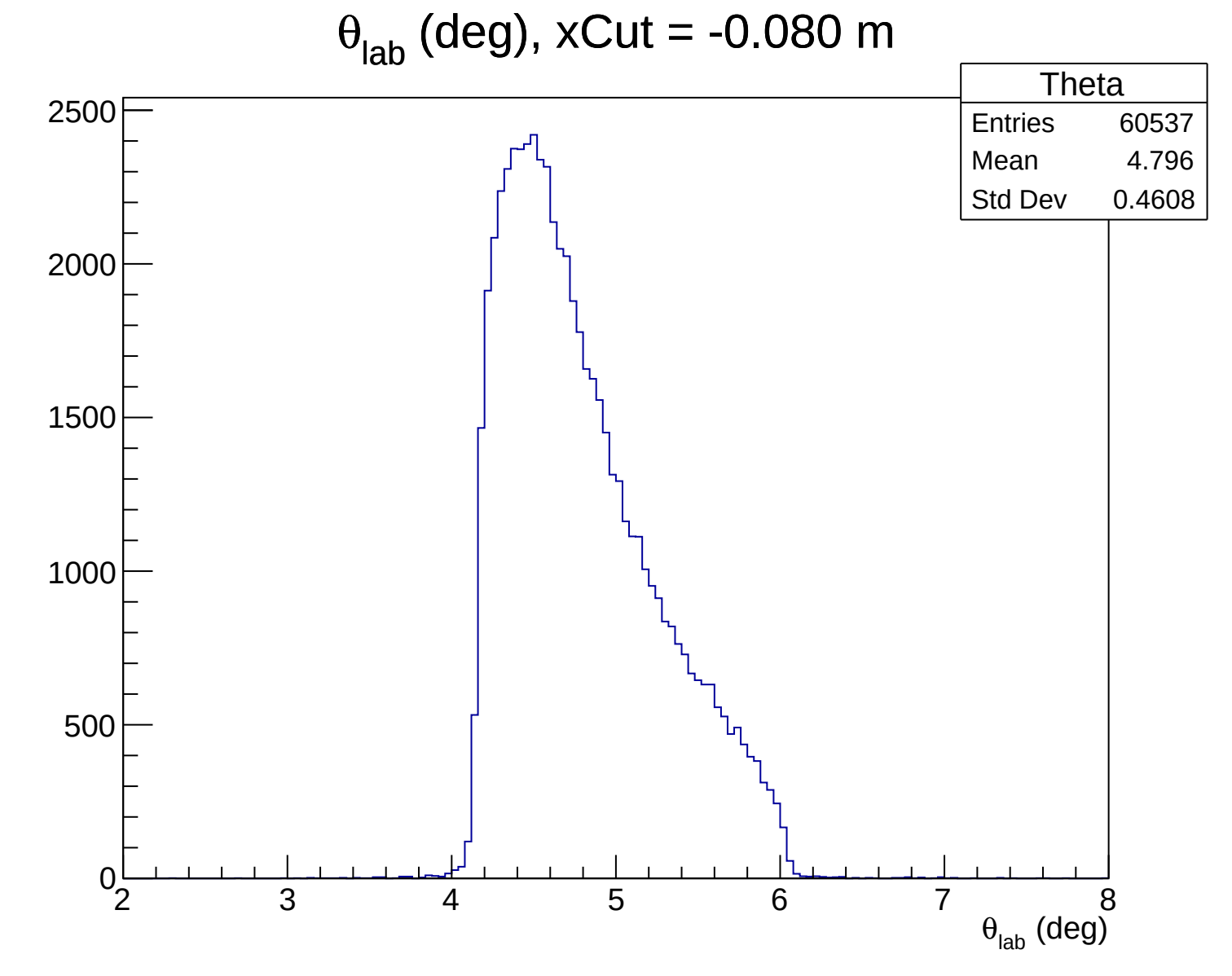

Sensitivity, xCut = -0.078 m
sens
Entries 59803
Mean 0.02235
Std Dev 0.00394
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

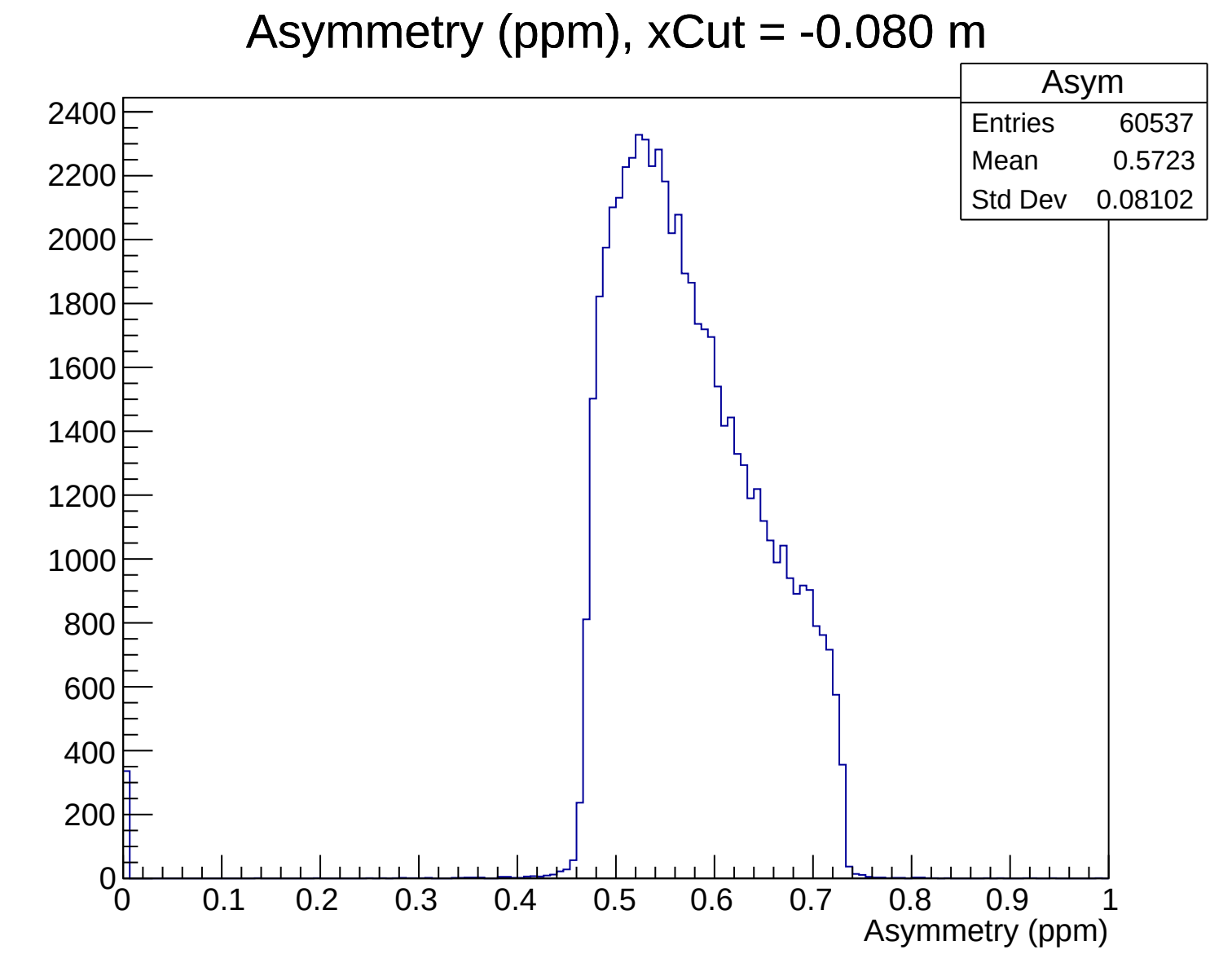

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

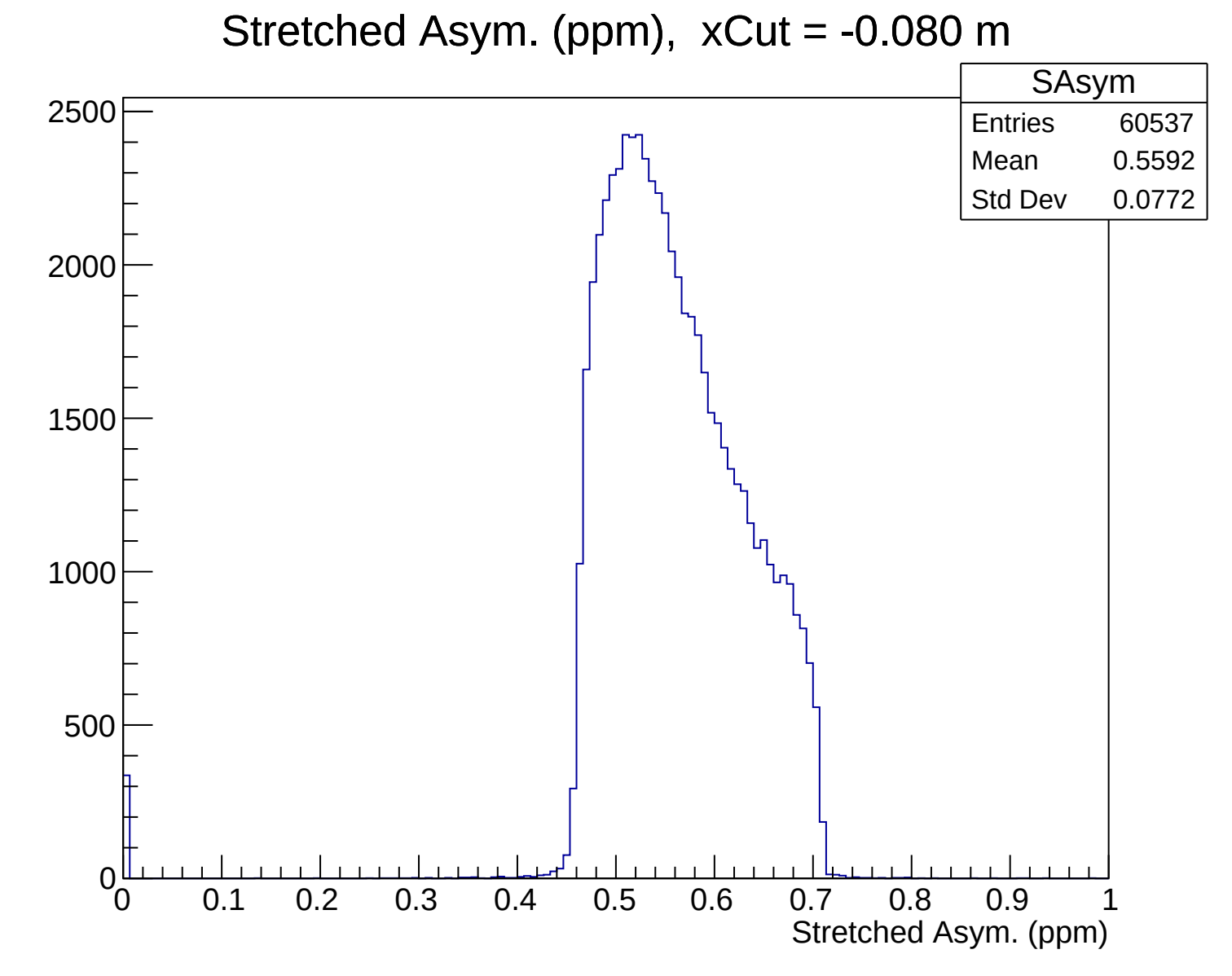

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

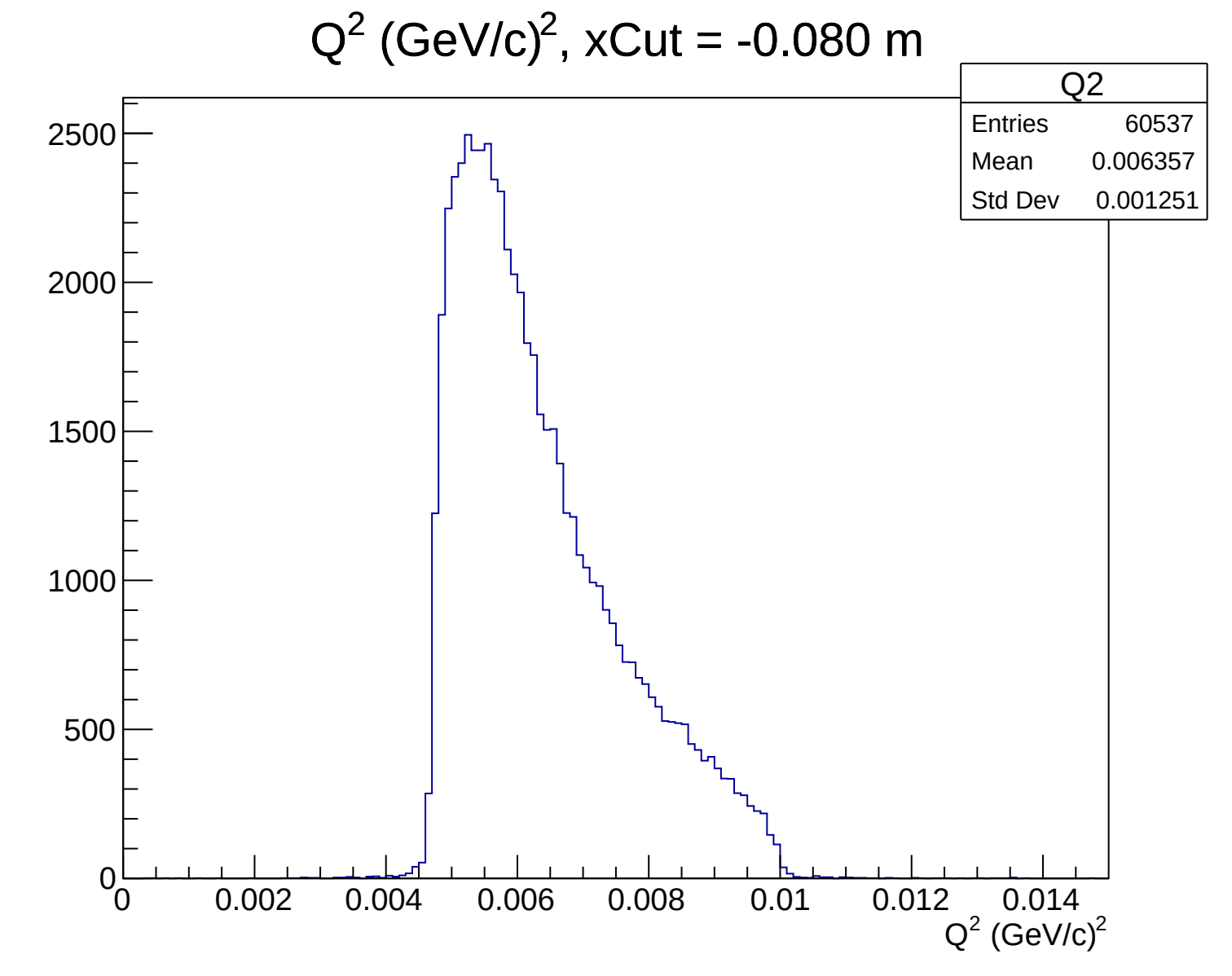

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.080
R.tr.x[0]+1.3*R.tr.th[0] (m)

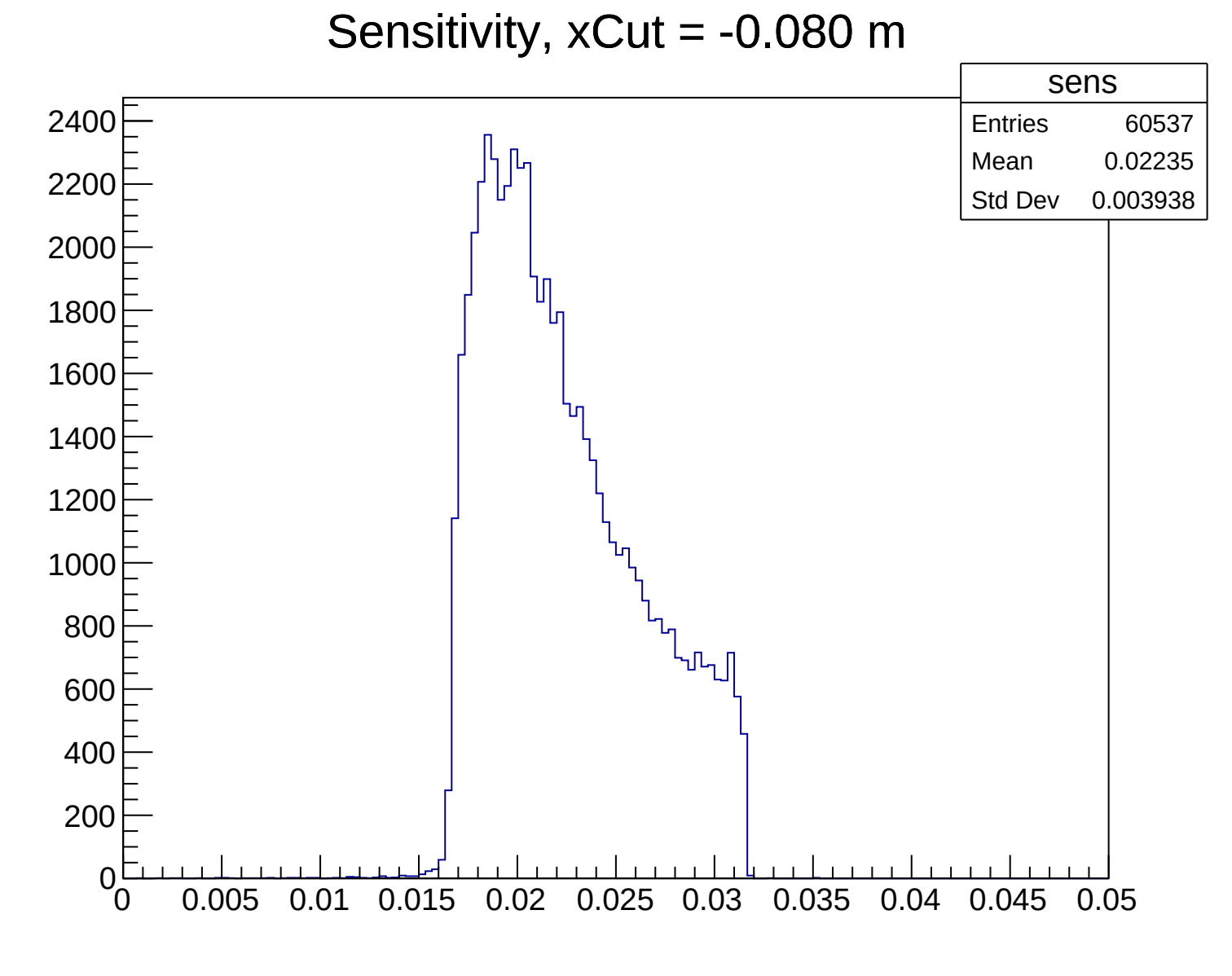

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

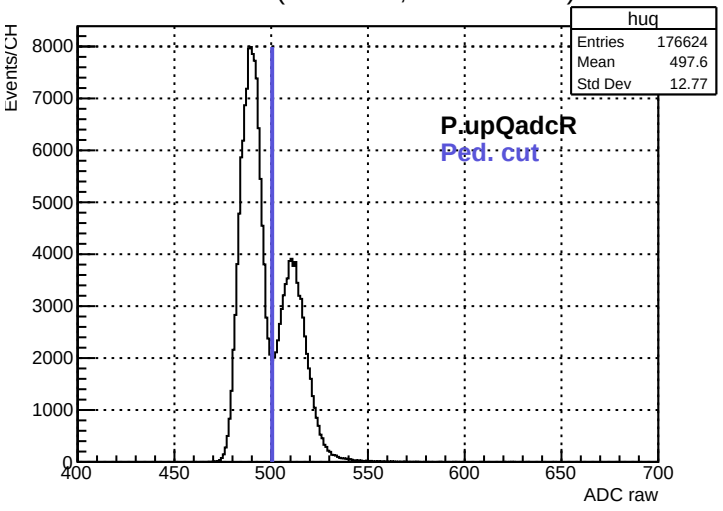

θlab (deg), xCut = -0.080 m
Theta
Entries 60537
Mean 4.796
Std Dev 0.4608
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

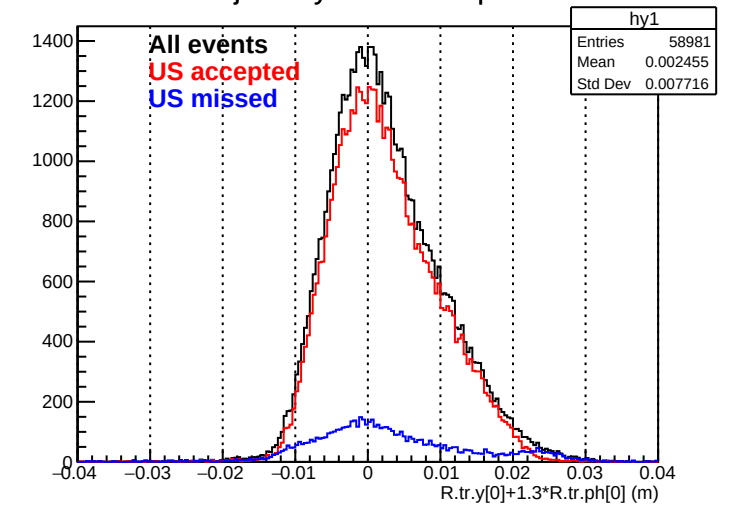

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 60537
Mean 0.5723
Std Dev 0.08102
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

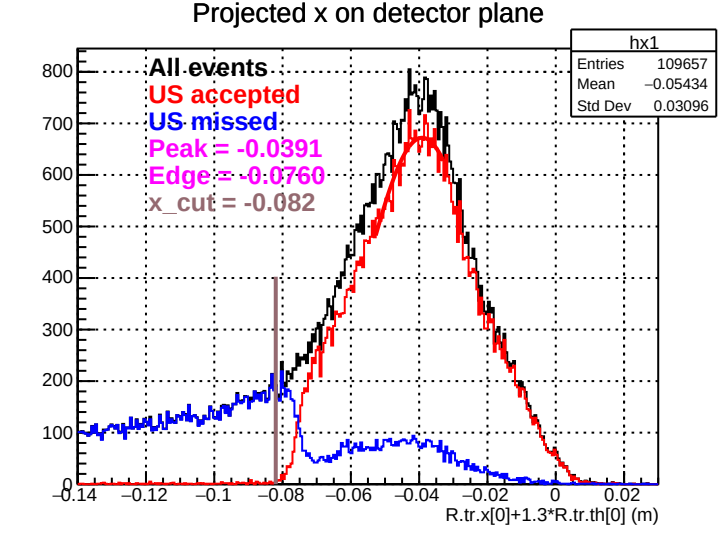

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 60537
Mean 0.5592
Std Dev 0.0772
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

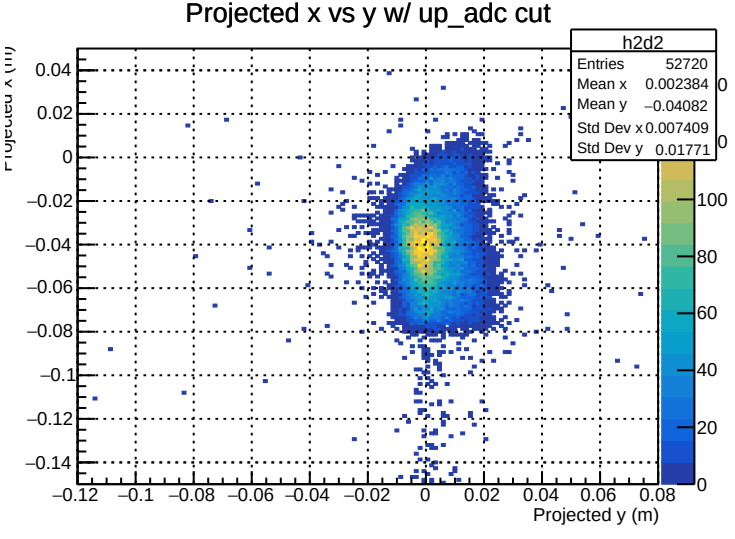

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 60537
Mean 0.006357
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

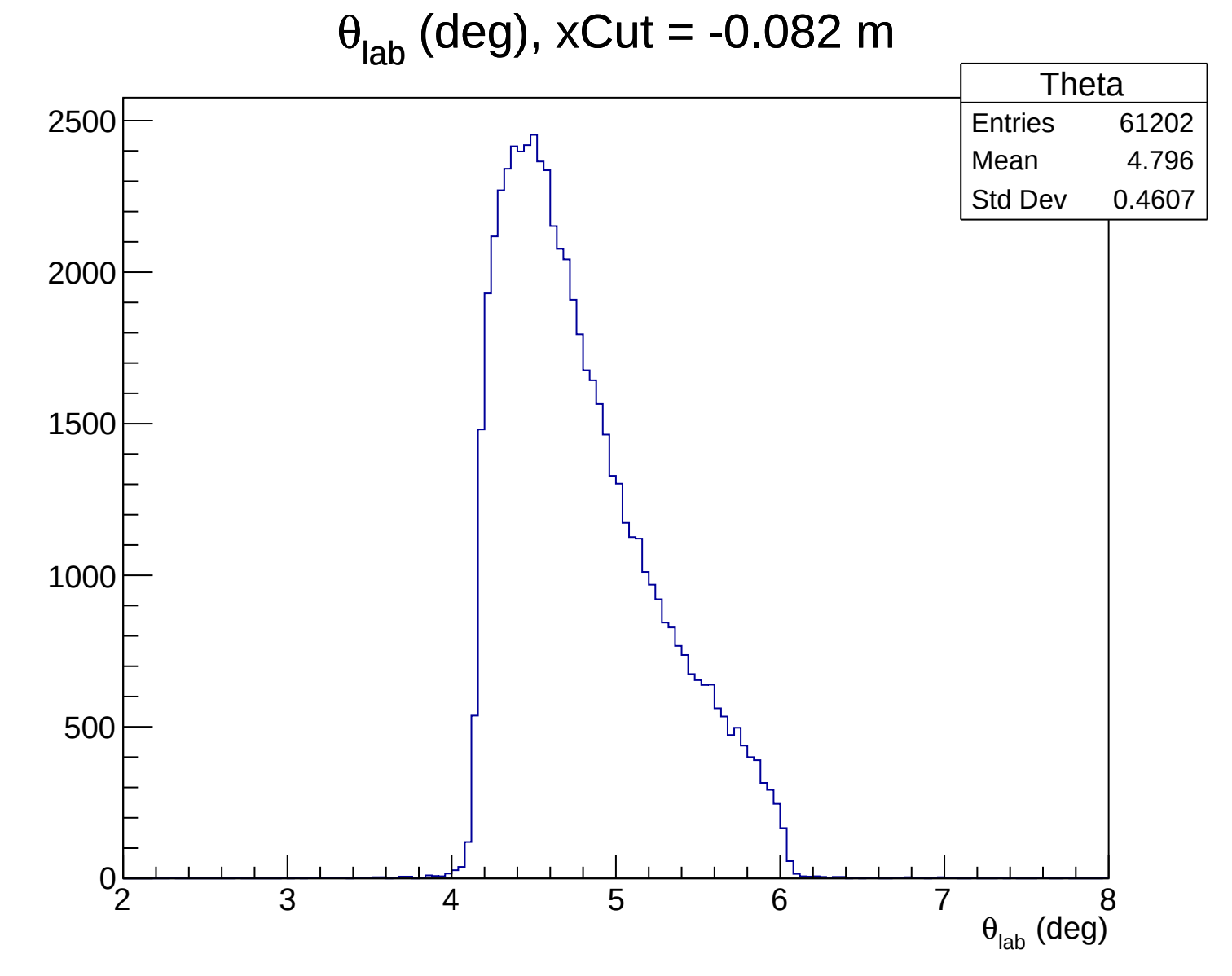

Sensitivity, xCut = -0.080 m
sens
Entries 60537
Mean 0.02235
Std Dev 0.003938
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

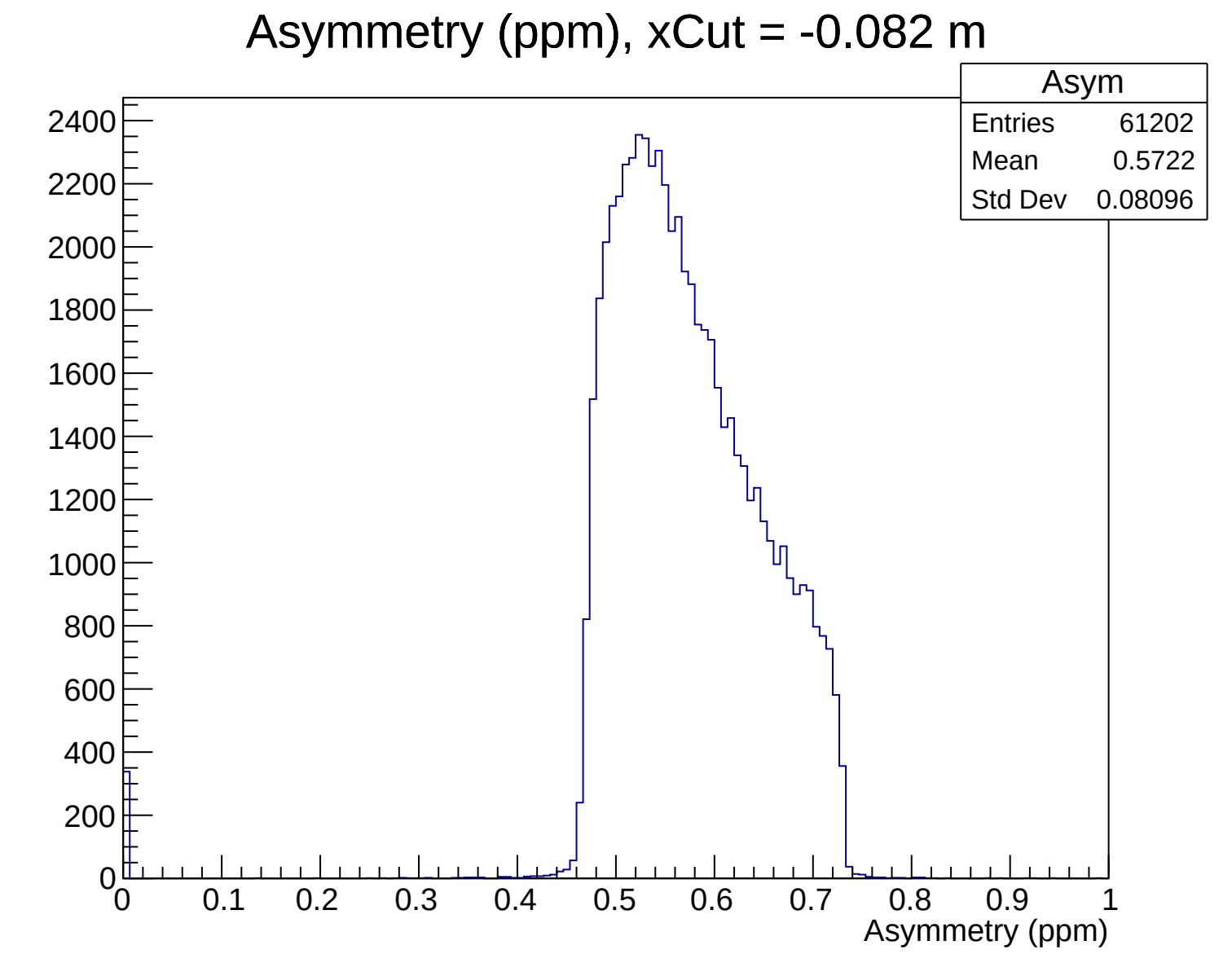

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

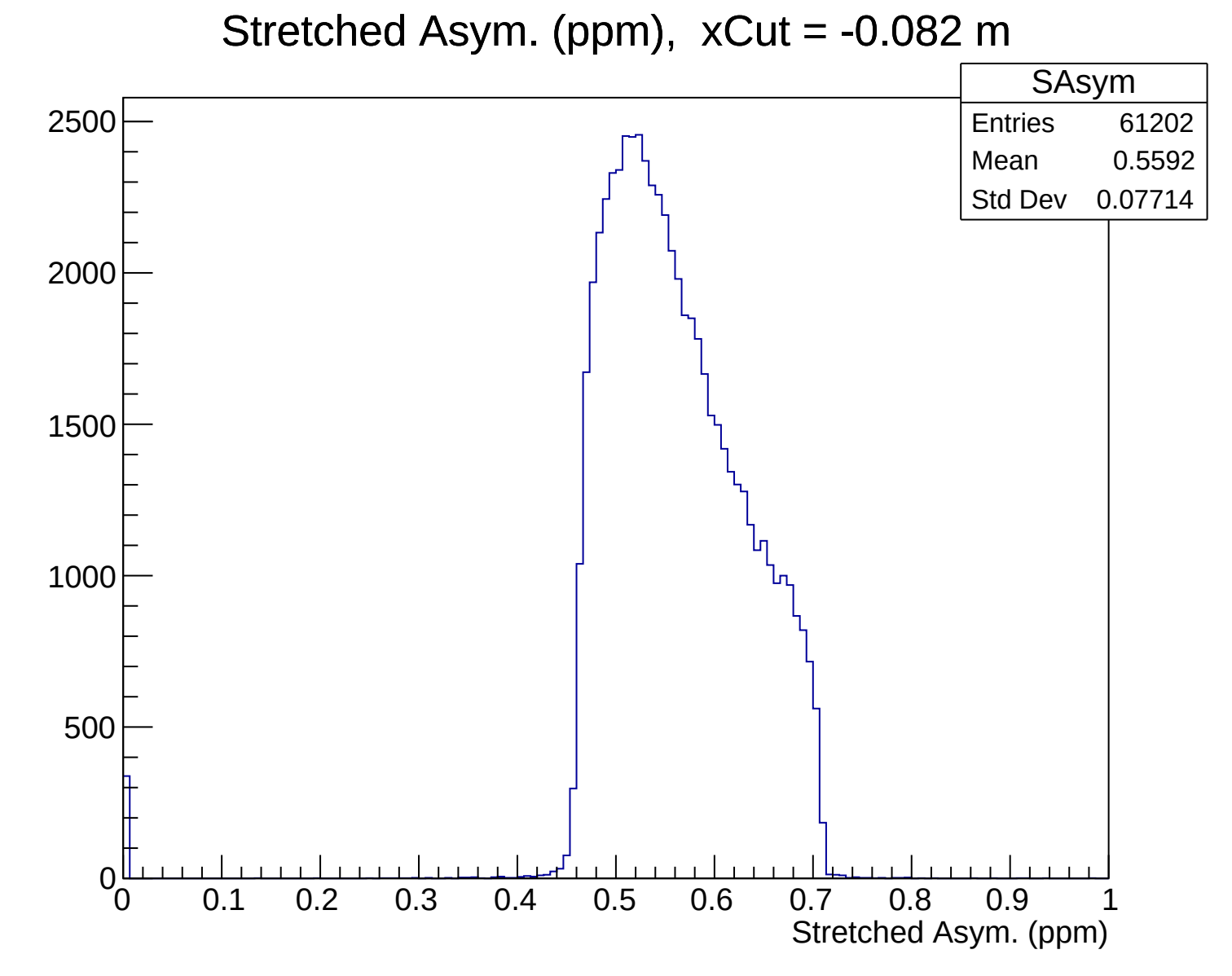

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

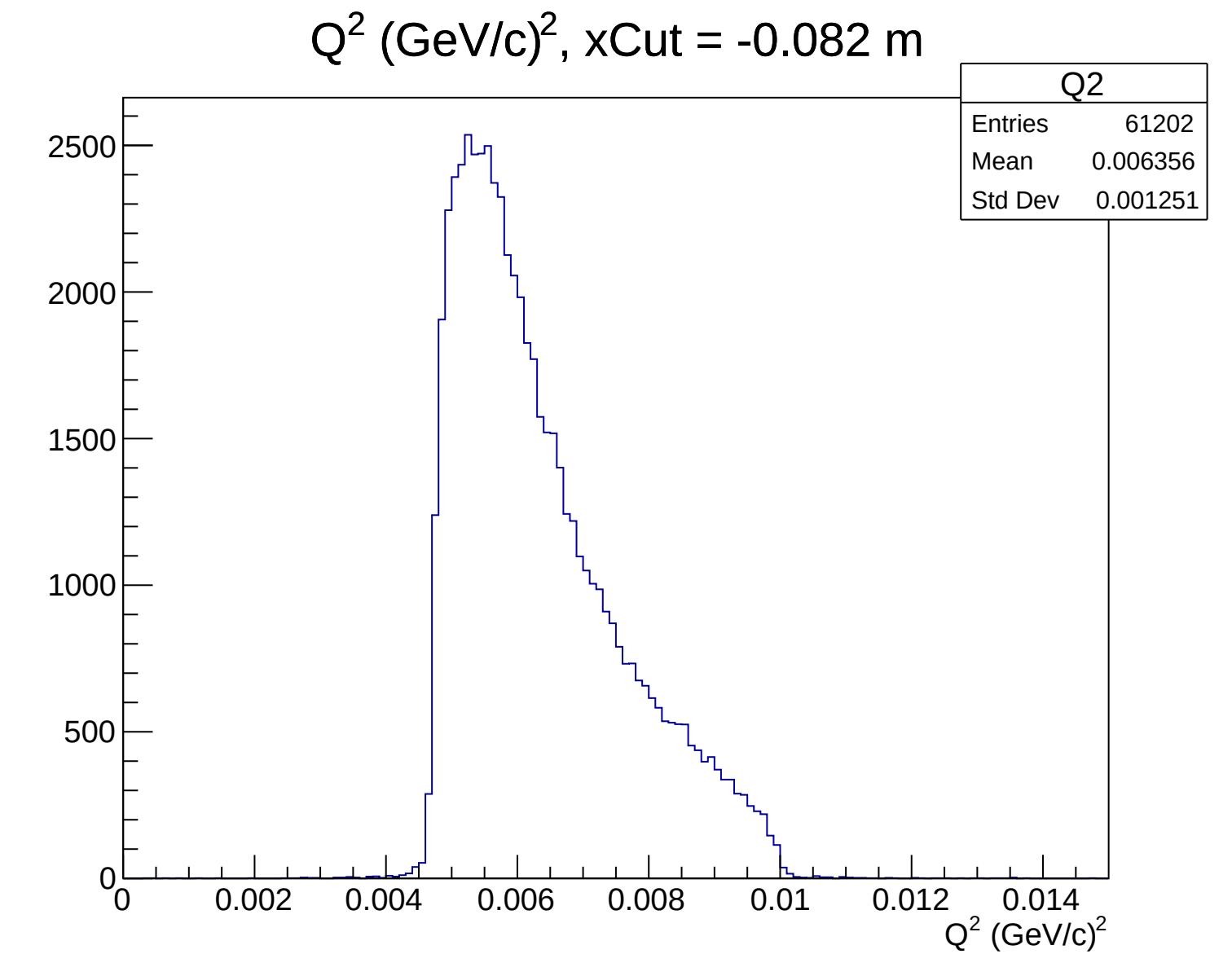

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.082
R.tr.x[0]+1.3*R.tr.th[0] (m)

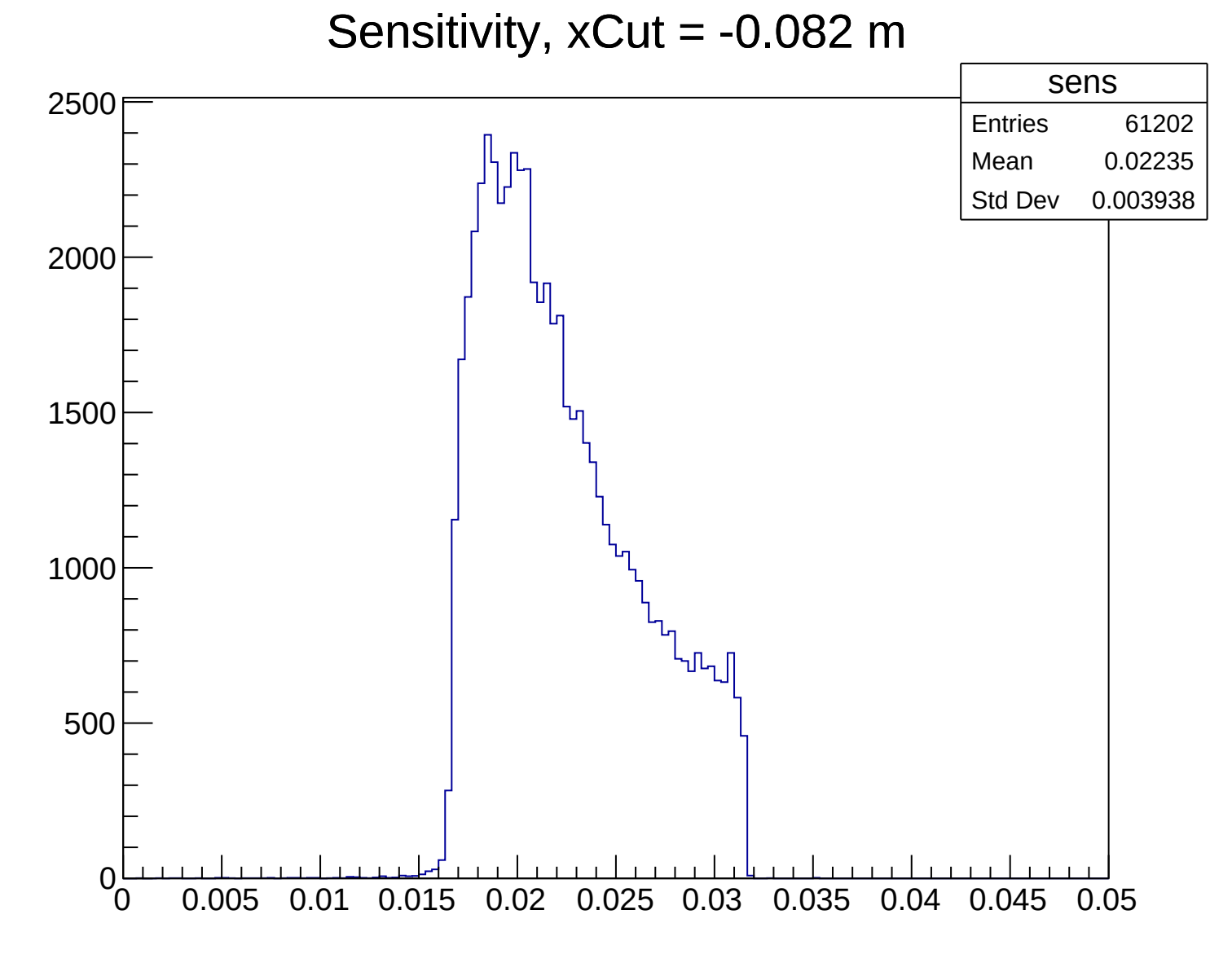

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

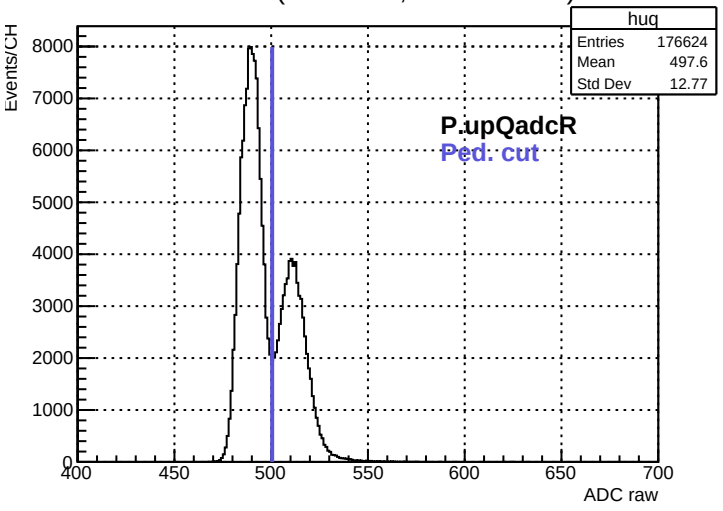

θlab (deg), xCut = -0.082 m
Theta
Entries 61202
Mean 4.796
Std Dev 0.4607
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

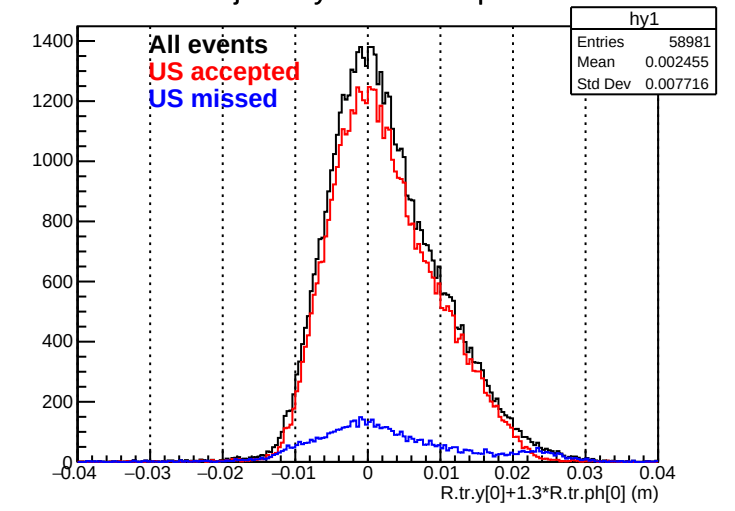

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 61202
Mean 0.5722
Std Dev 0.08096
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

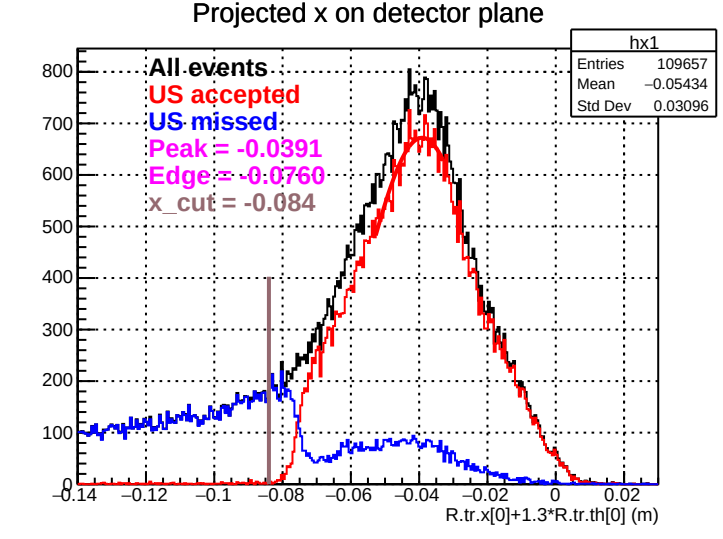

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 61202
Mean 0.5592
Std Dev 0.07714
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

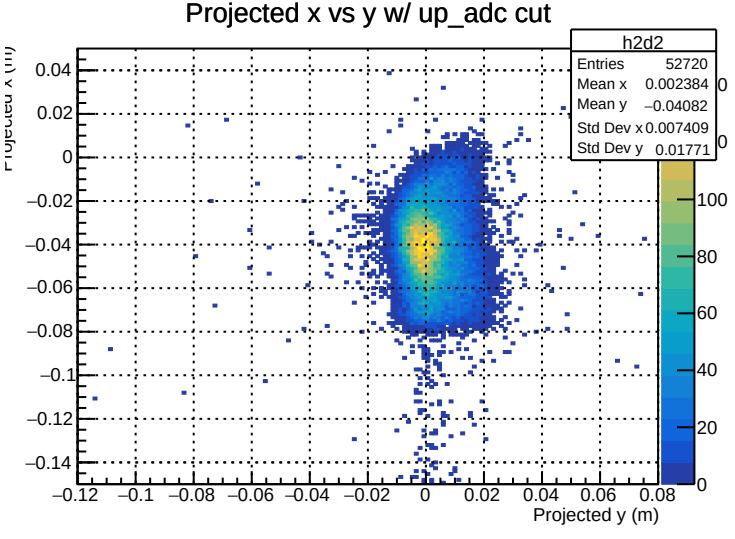

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 61202
Mean 0.006356
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

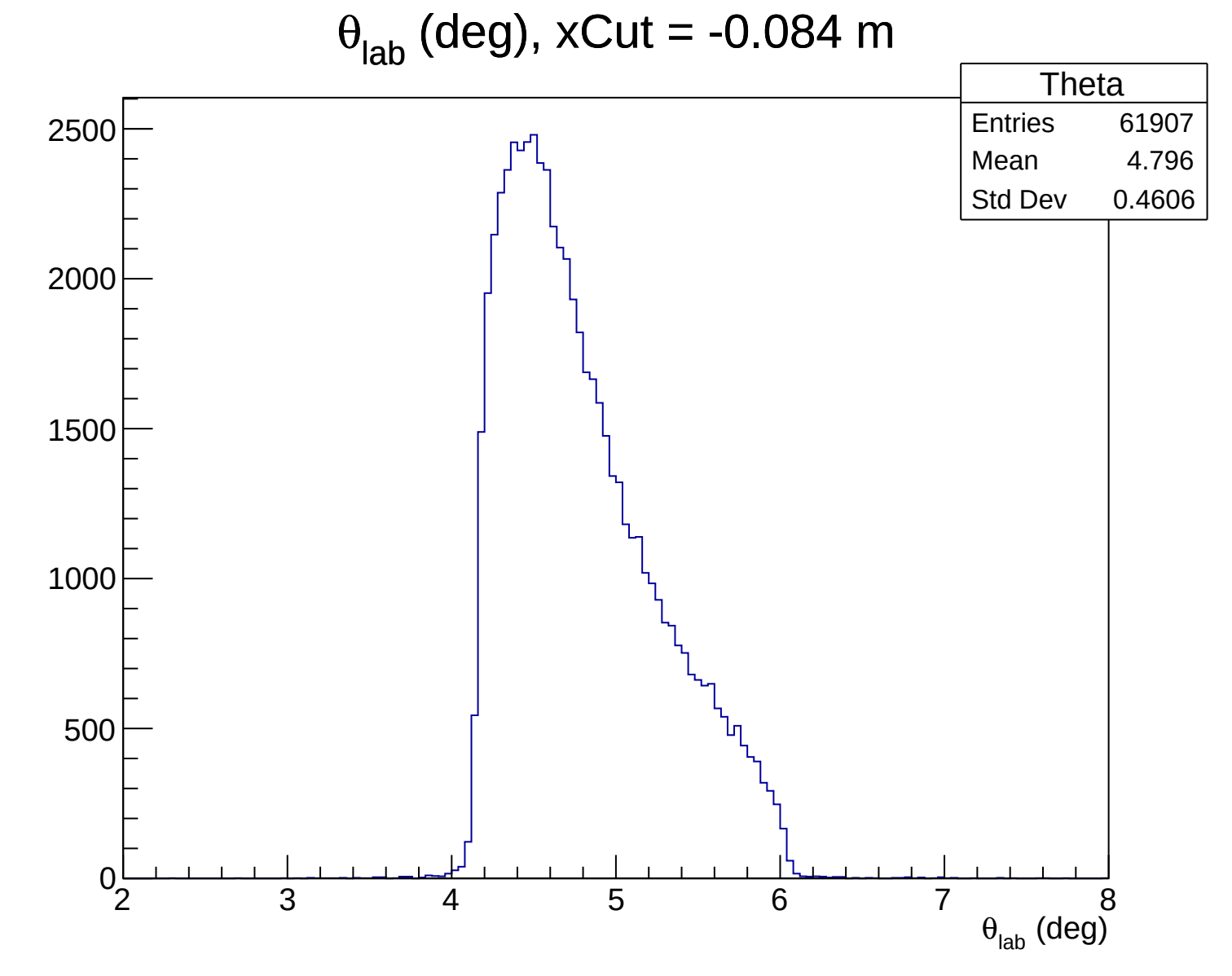

Sensitivity, xCut = -0.082 m
sens
Entries 61202
Mean 0.02235
Std Dev 0.003938
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

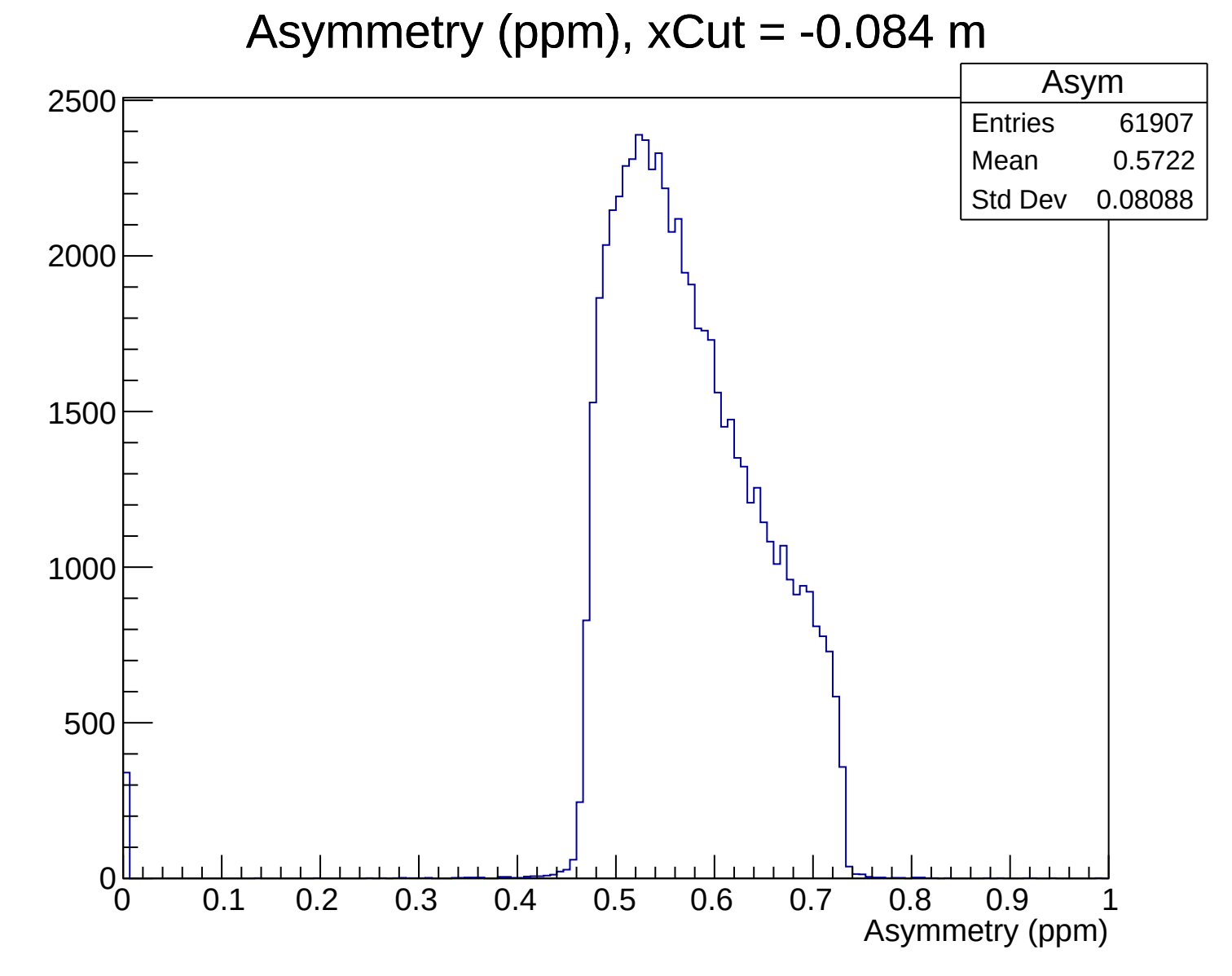

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

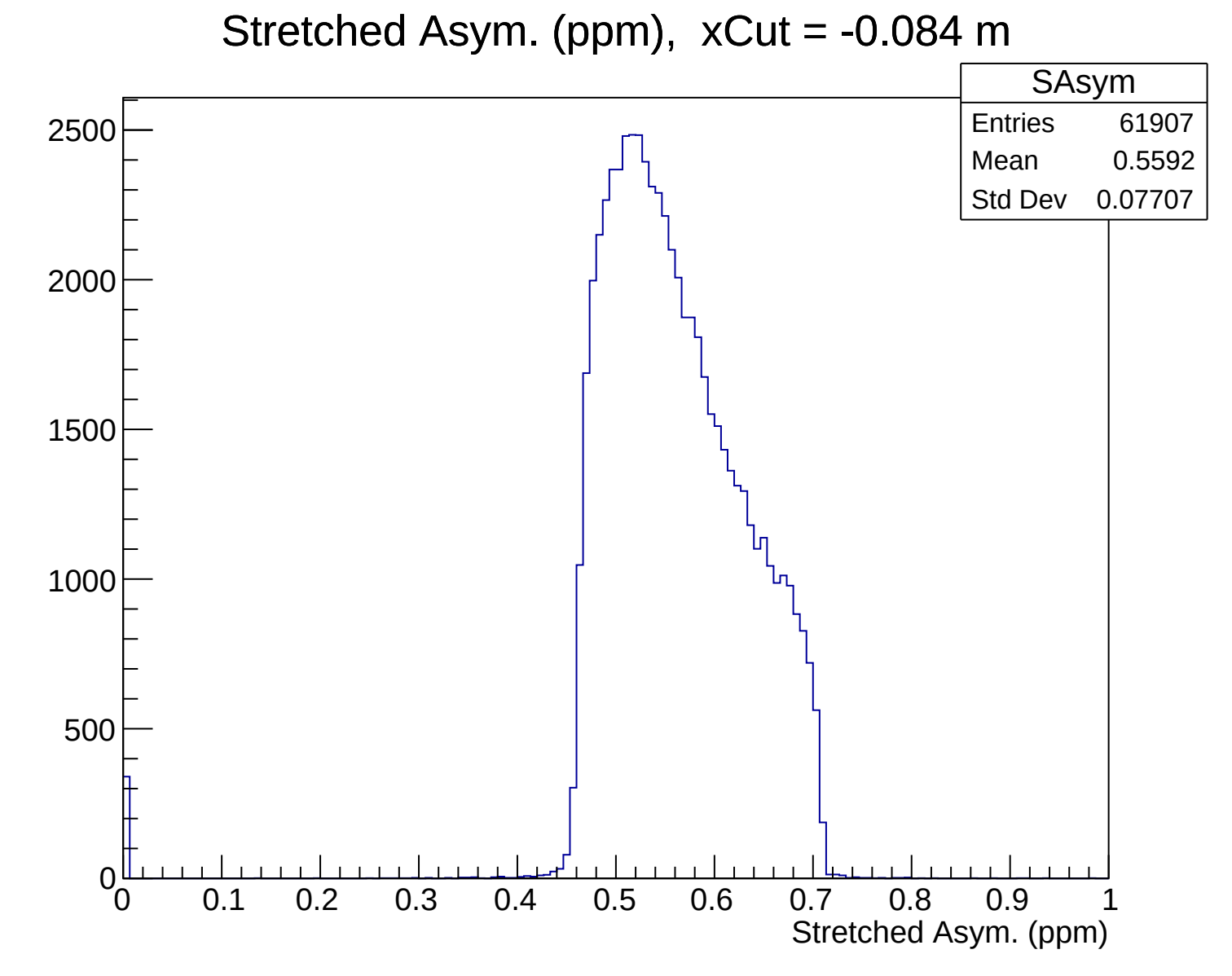

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

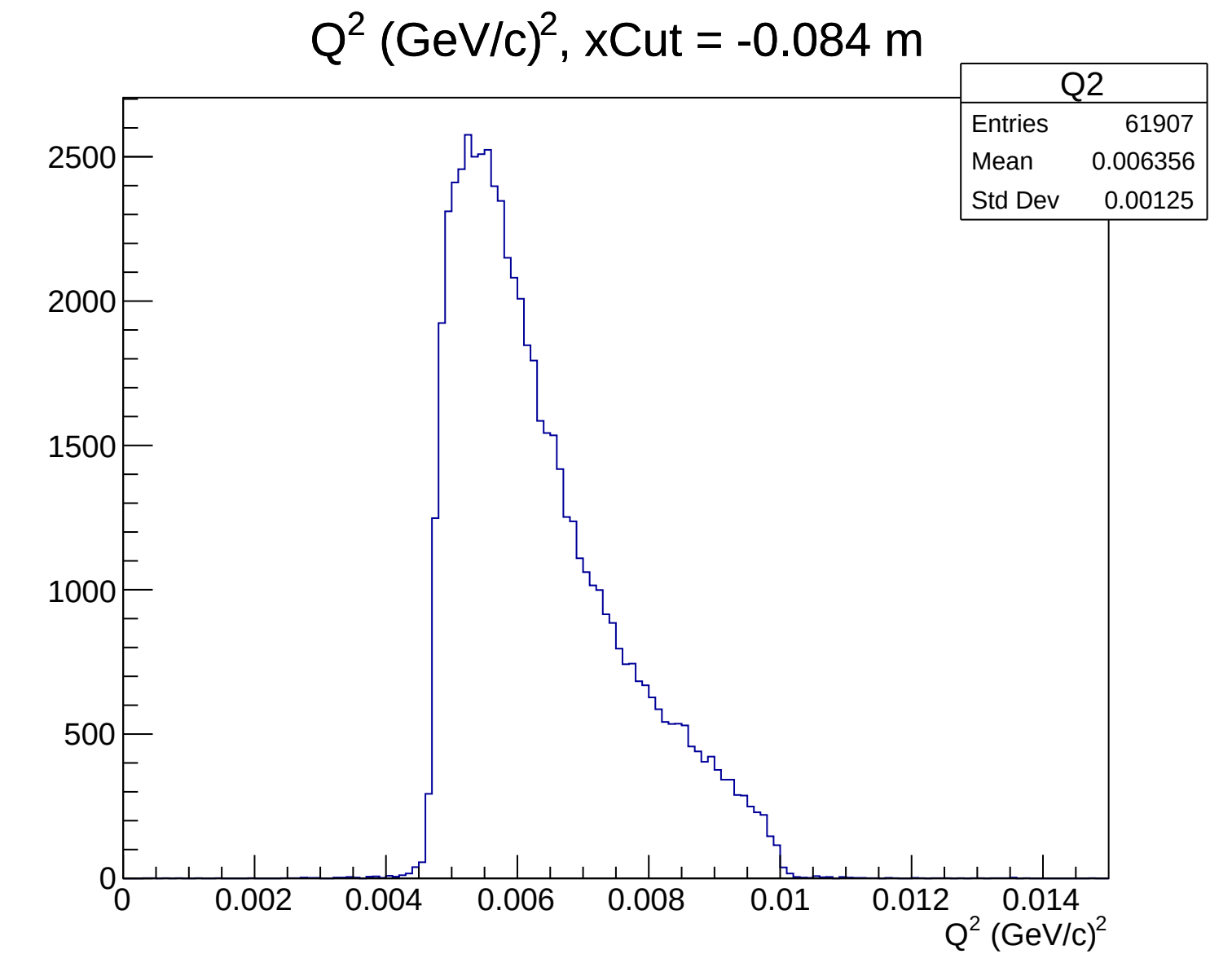

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.084
R.tr.x[0]+1.3*R.tr.th[0] (m)

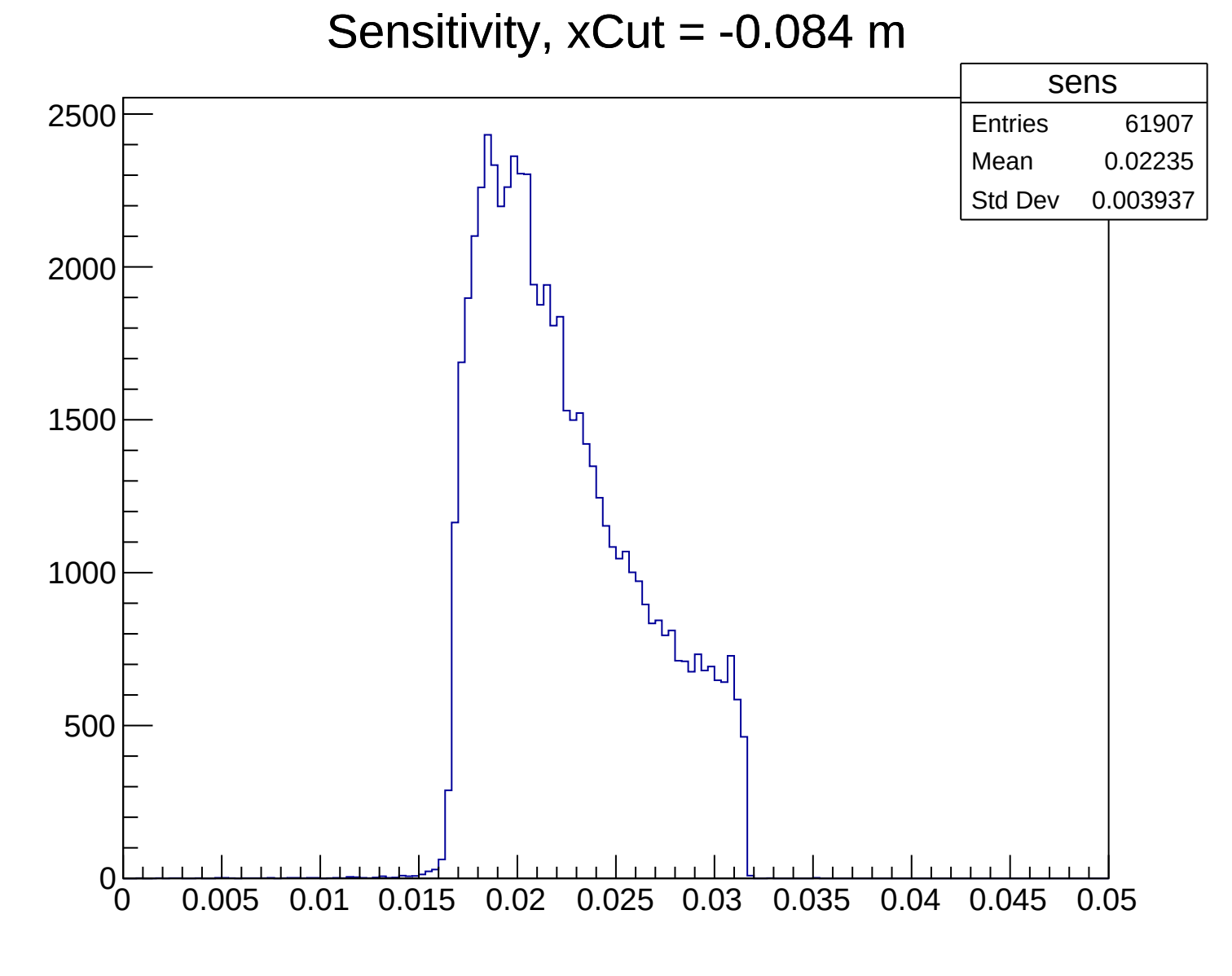

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

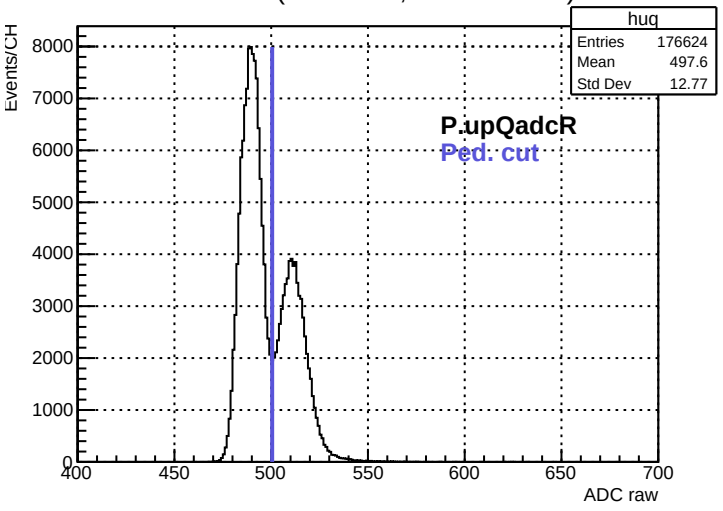

θlab (deg), xCut = -0.084 m
Theta
Entries 61907
Mean 4.796
Std Dev 0.4606
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

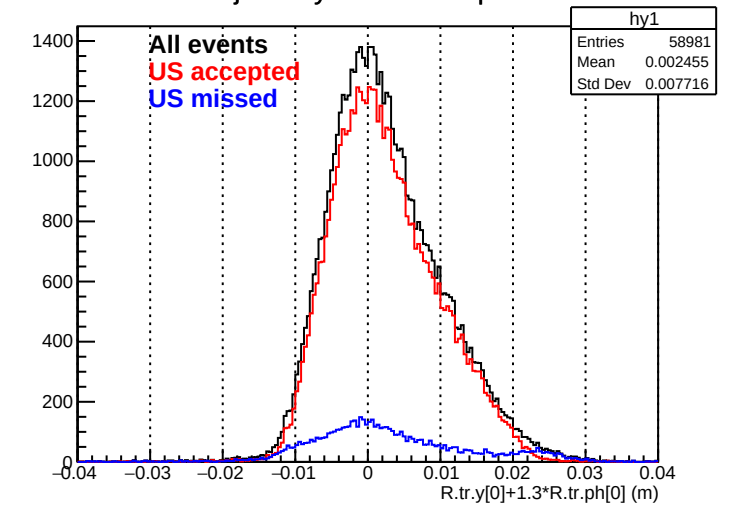

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 61907
Mean 0.5722
Std Dev 0.08088
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

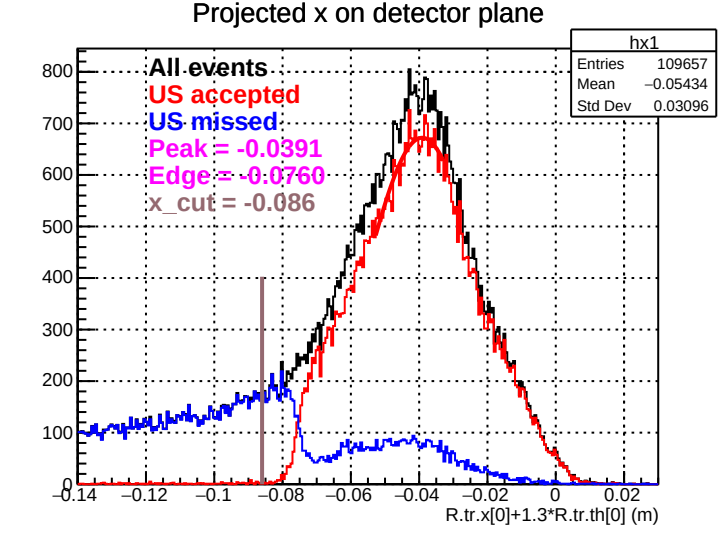

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 61907
Mean 0.5592
Std Dev 0.07707
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

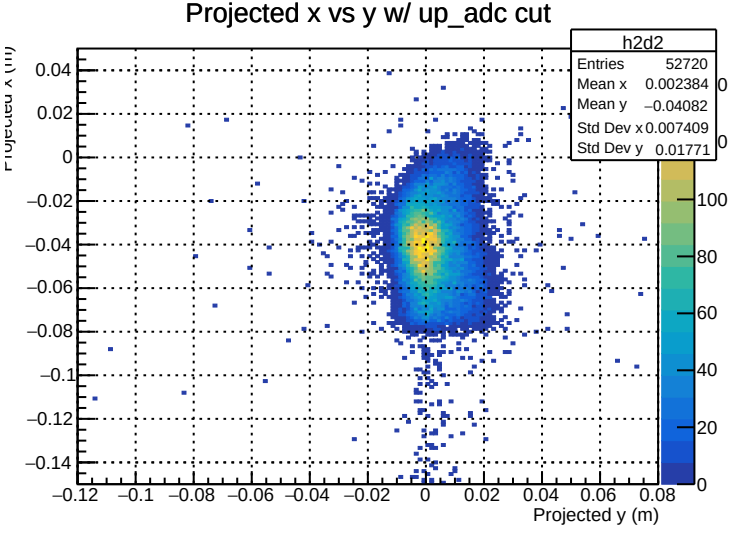

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 61907
Mean 0.006356
Std Dev 0.00125
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

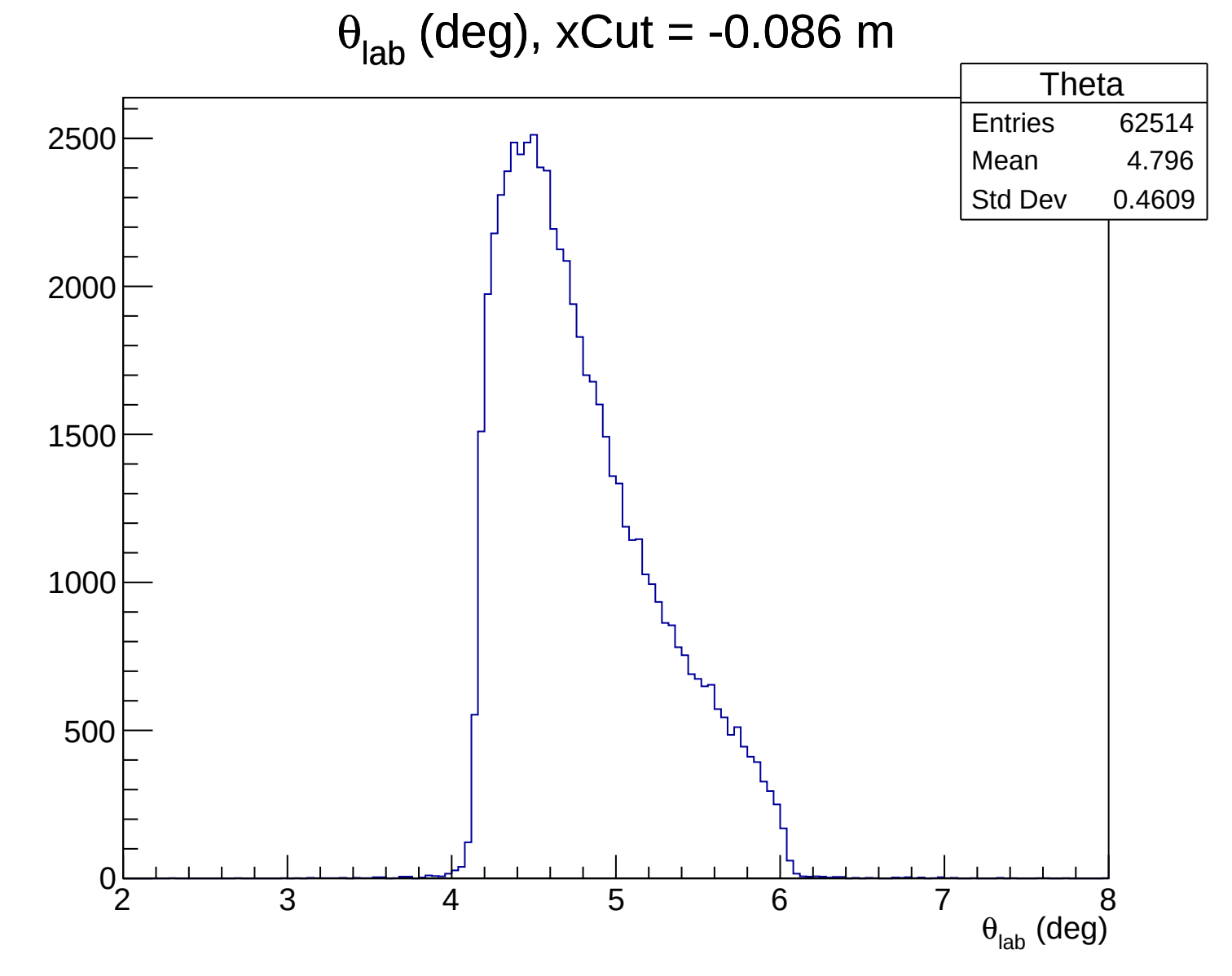

Sensitivity, xCut = -0.084 m
sens
Entries 61907
Mean 0.02235
Std Dev 0.003937
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

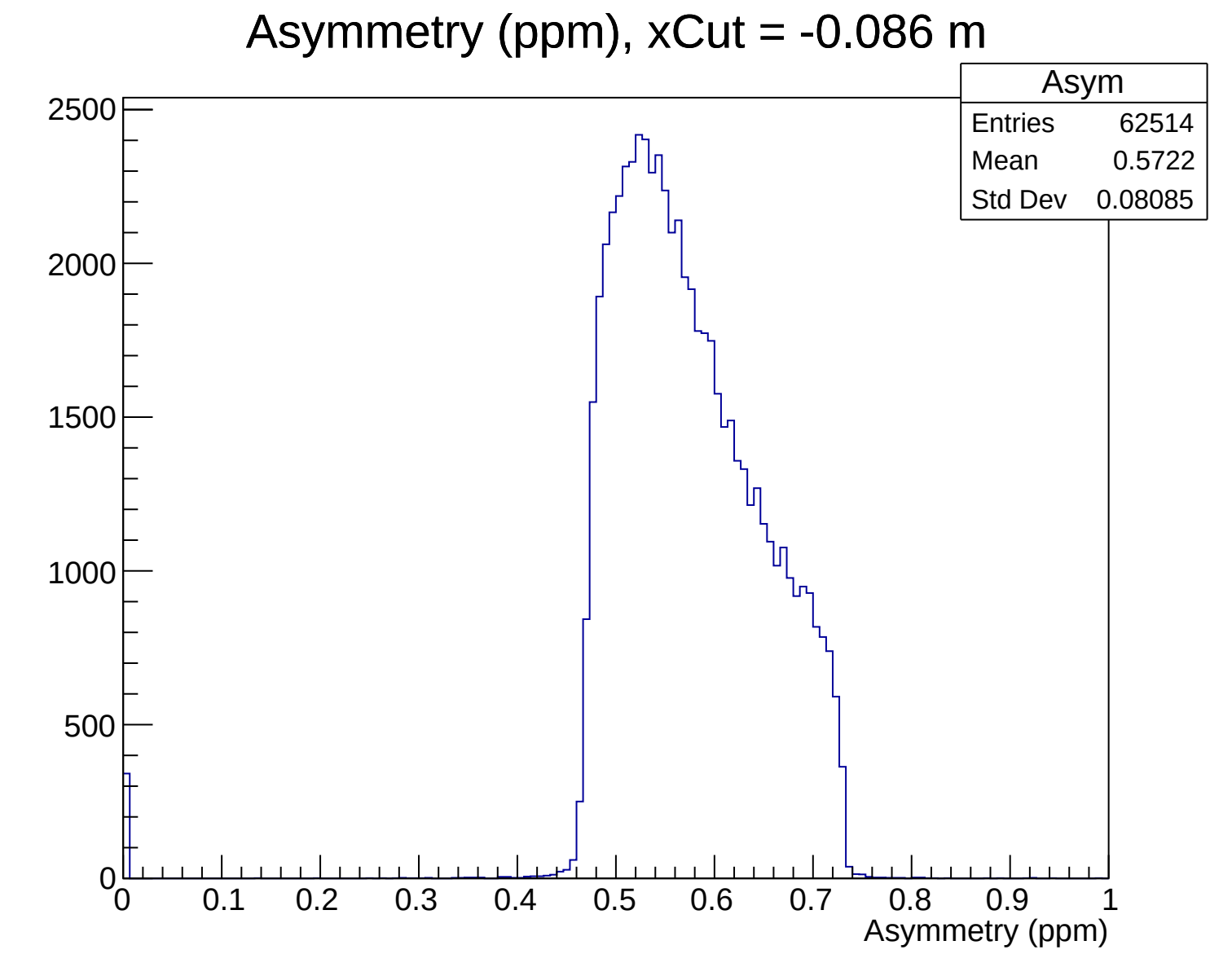

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

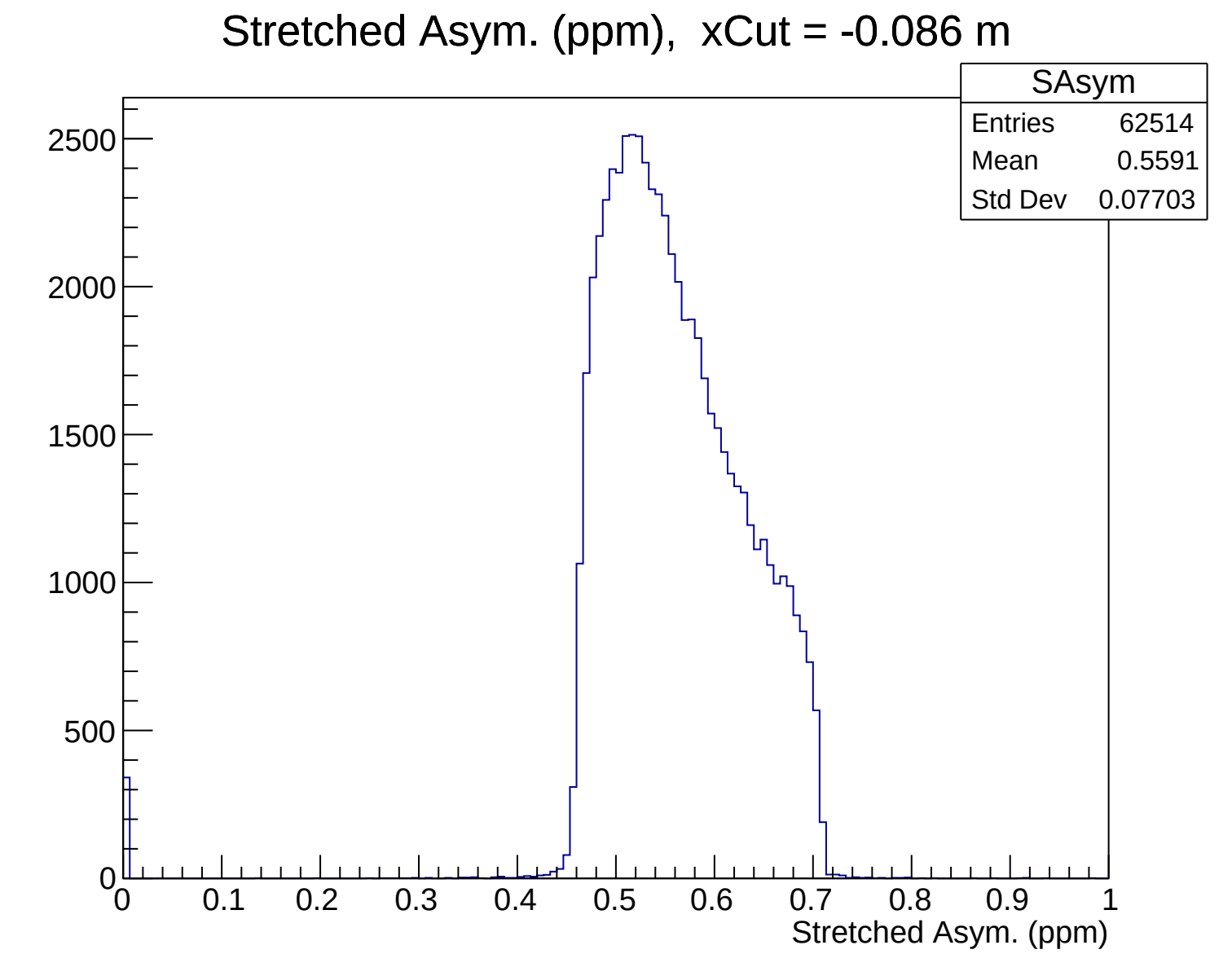

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

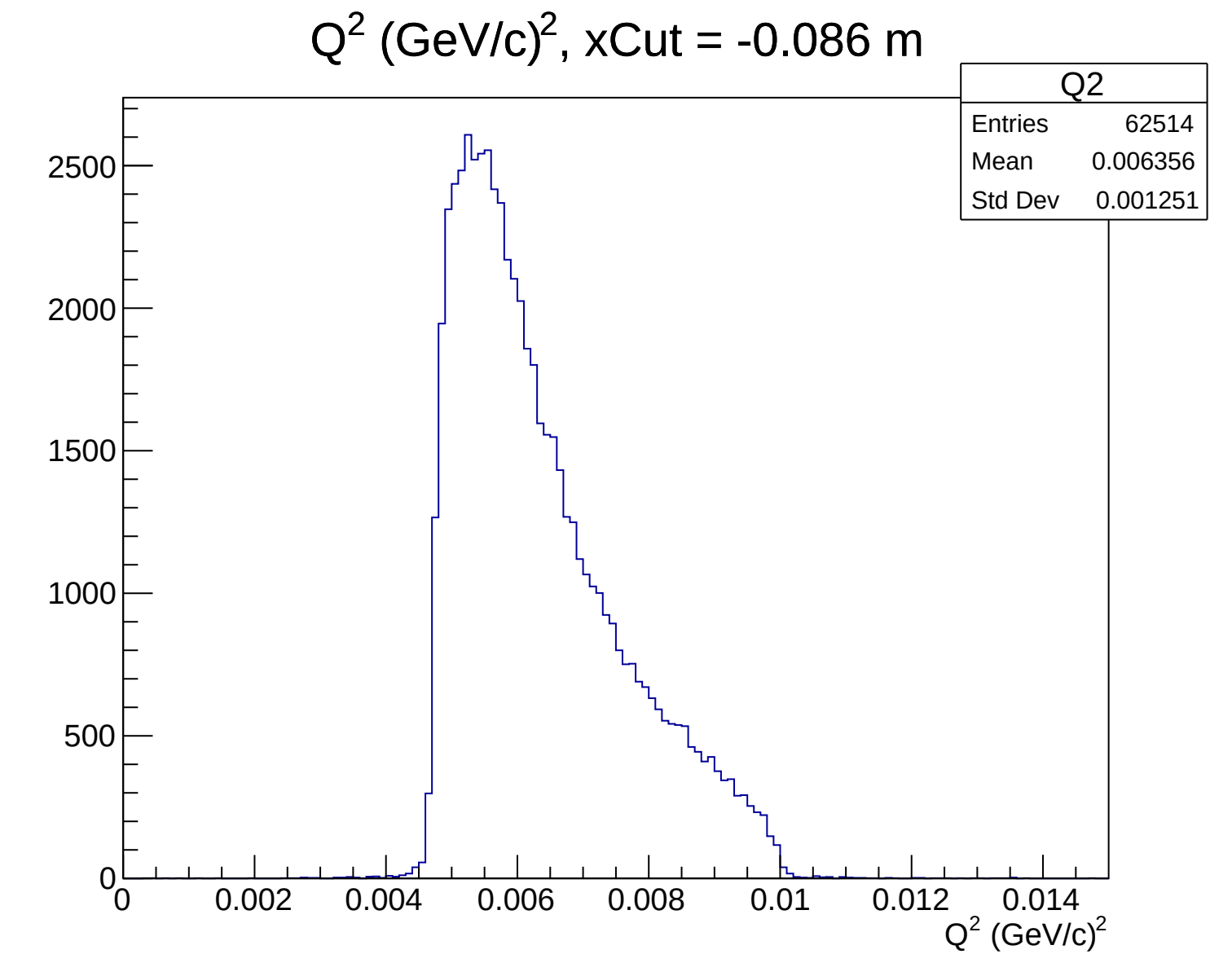

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.086
R.tr.x[0]+1.3*R.tr.th[0] (m)

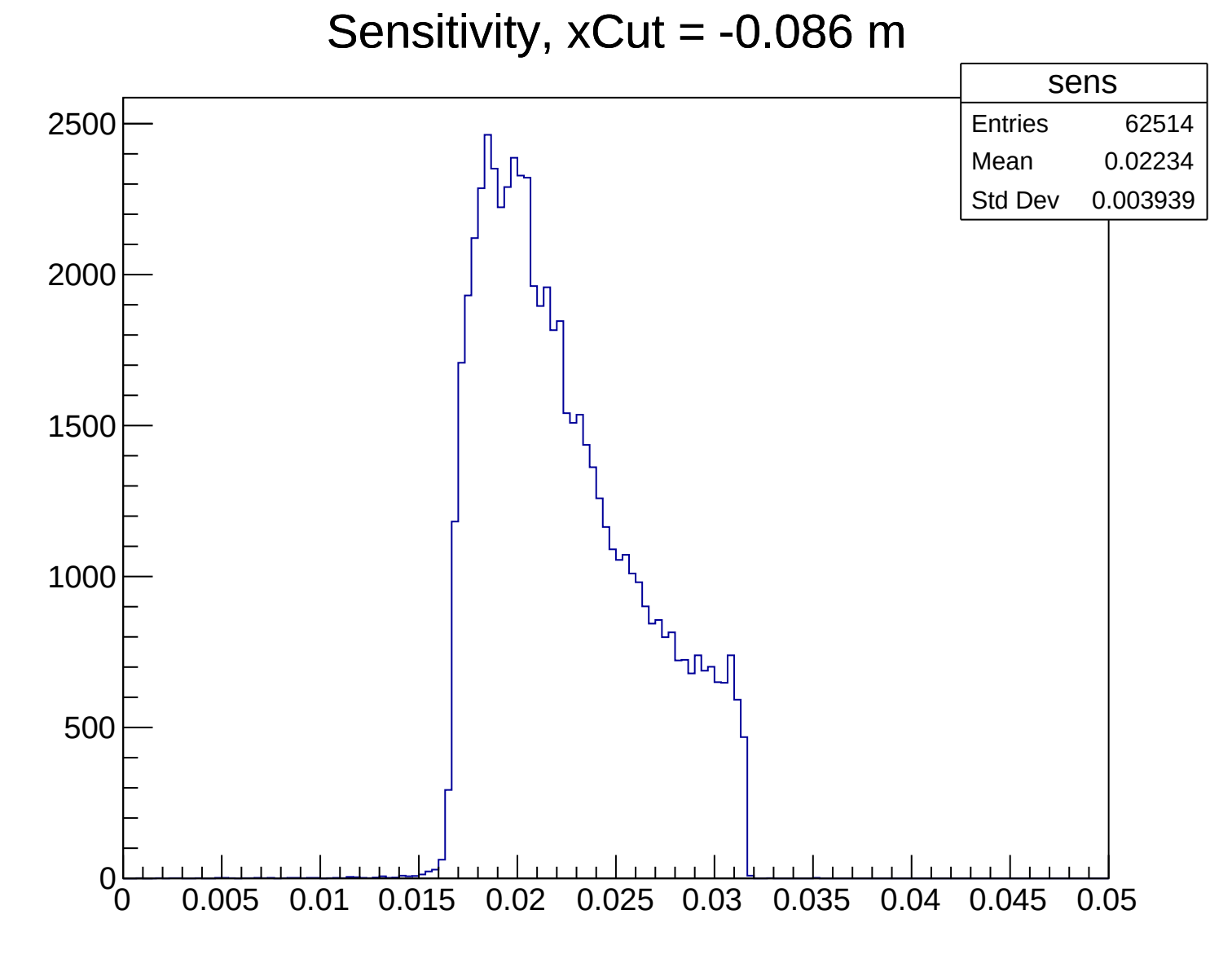

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

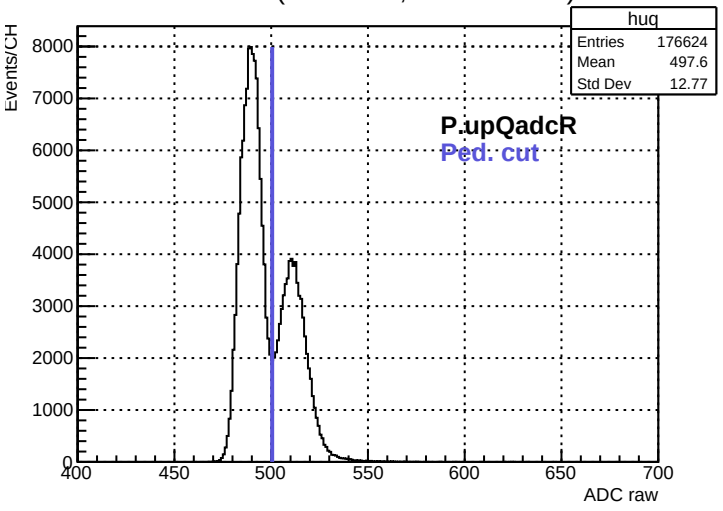

θlab (deg), xCut = -0.086 m
Theta
Entries 62514
Mean 4.796
Std Dev 0.4609
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

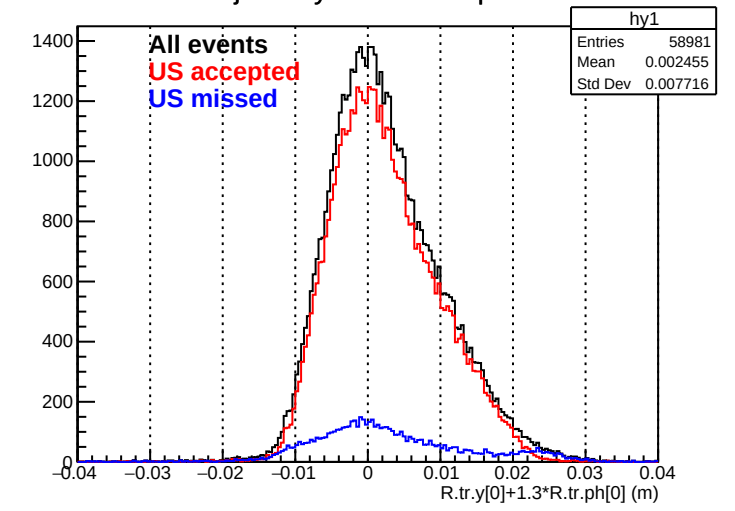

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 62514
Mean 0.5722
Std Dev 0.08085
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

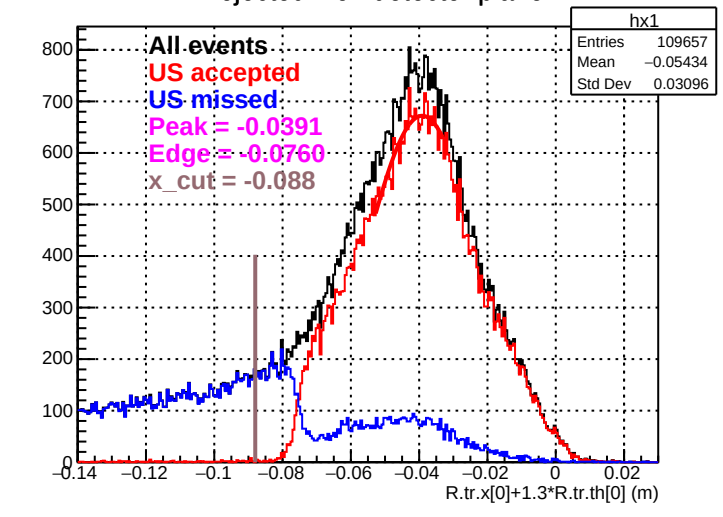

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 62514
Mean 0.5591
Std Dev 0.07703
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

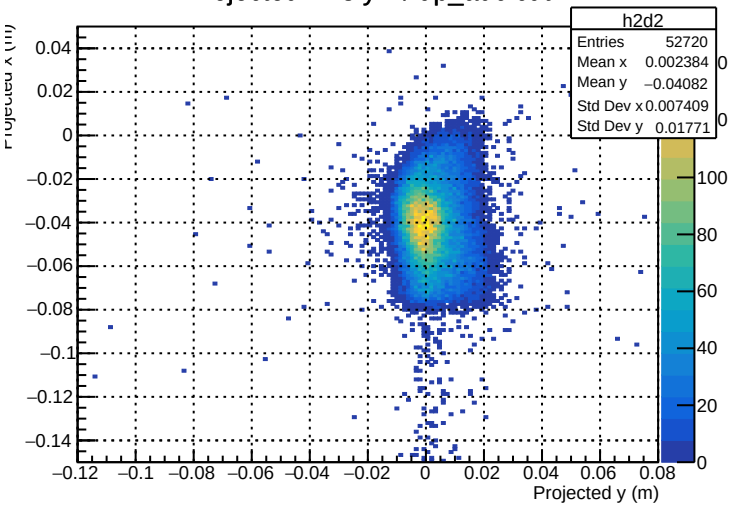

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 62514
Mean 0.006356
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

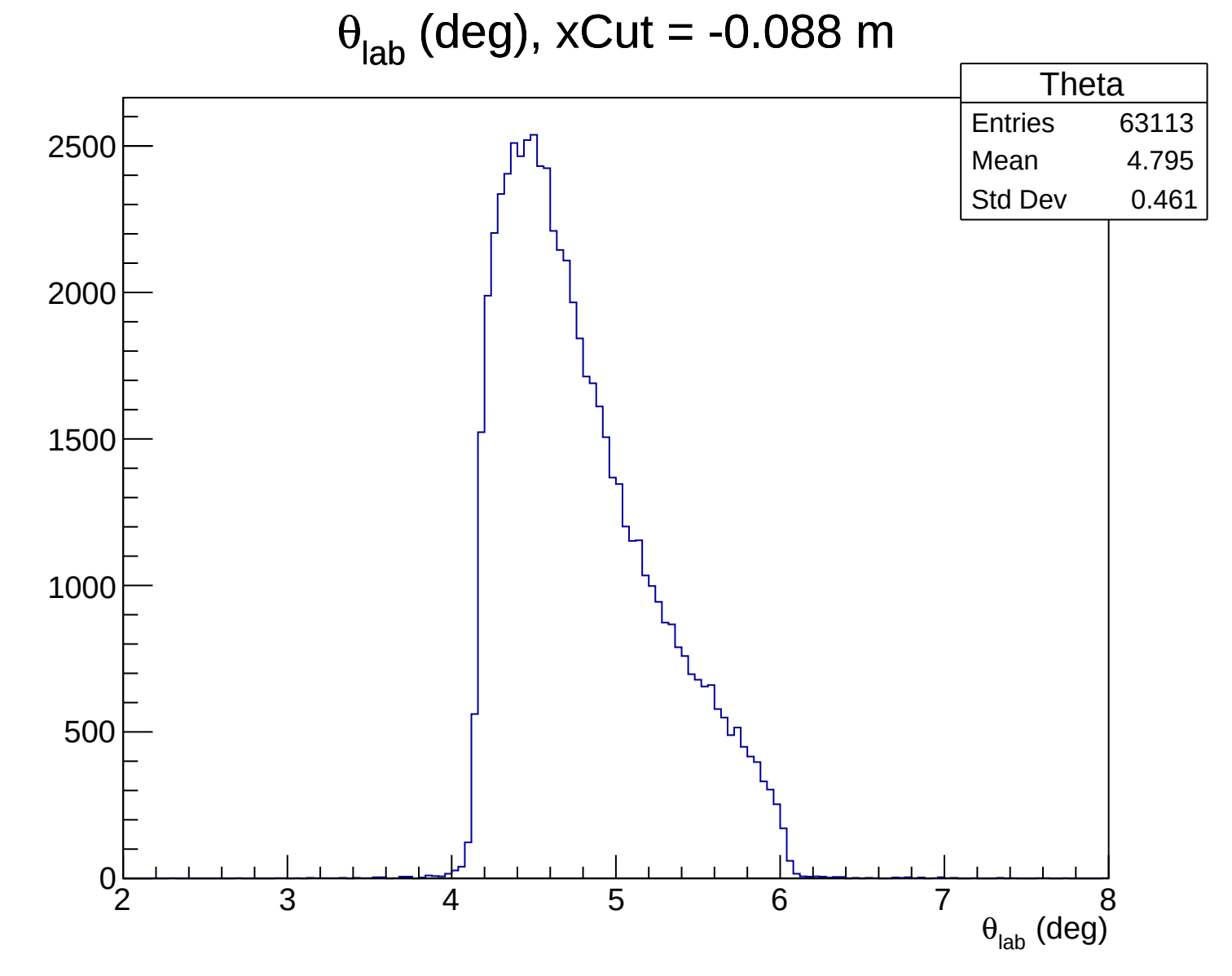

Sensitivity, xCut = -0.086 m
sens
Entries 62514
Mean 0.02234
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

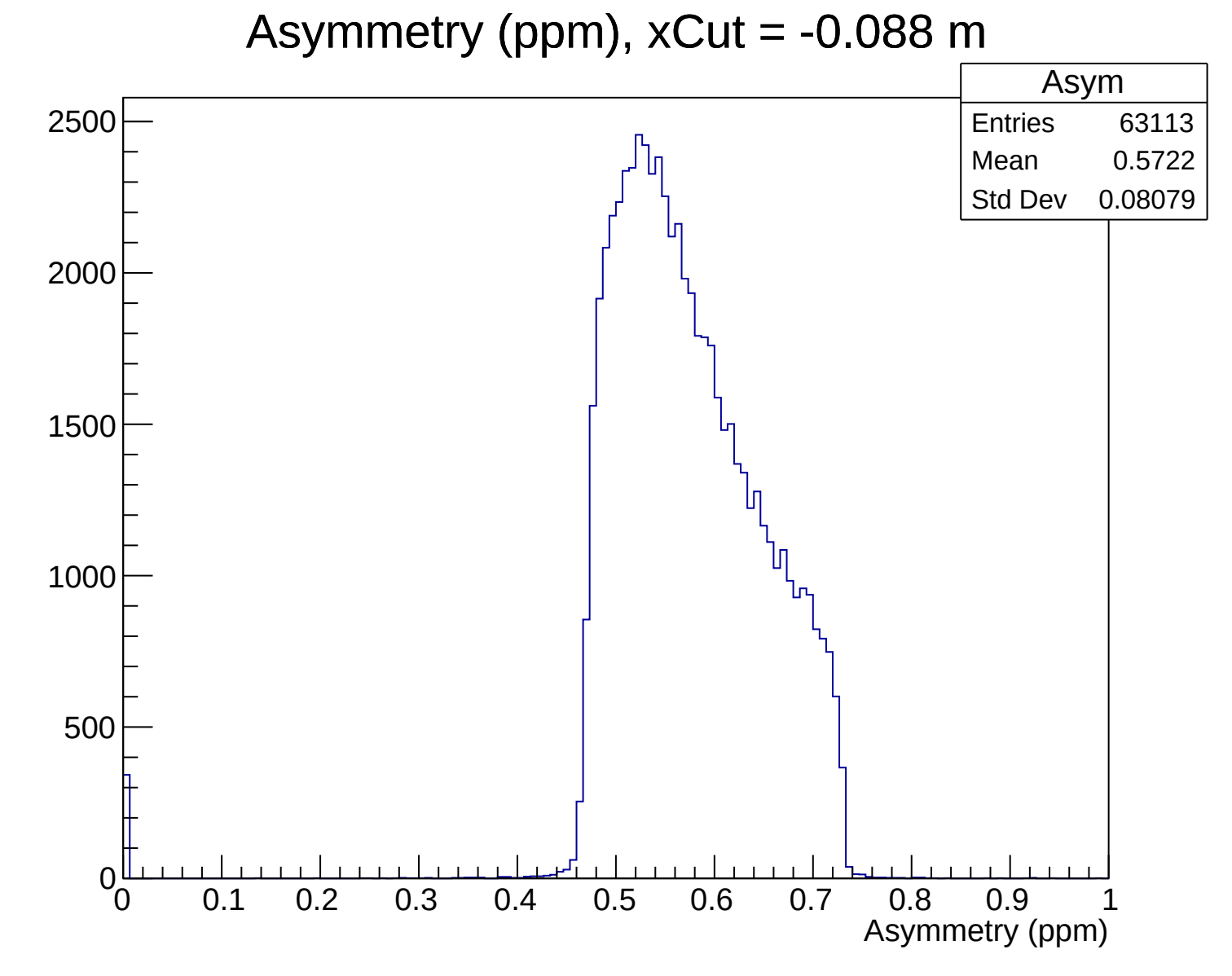

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

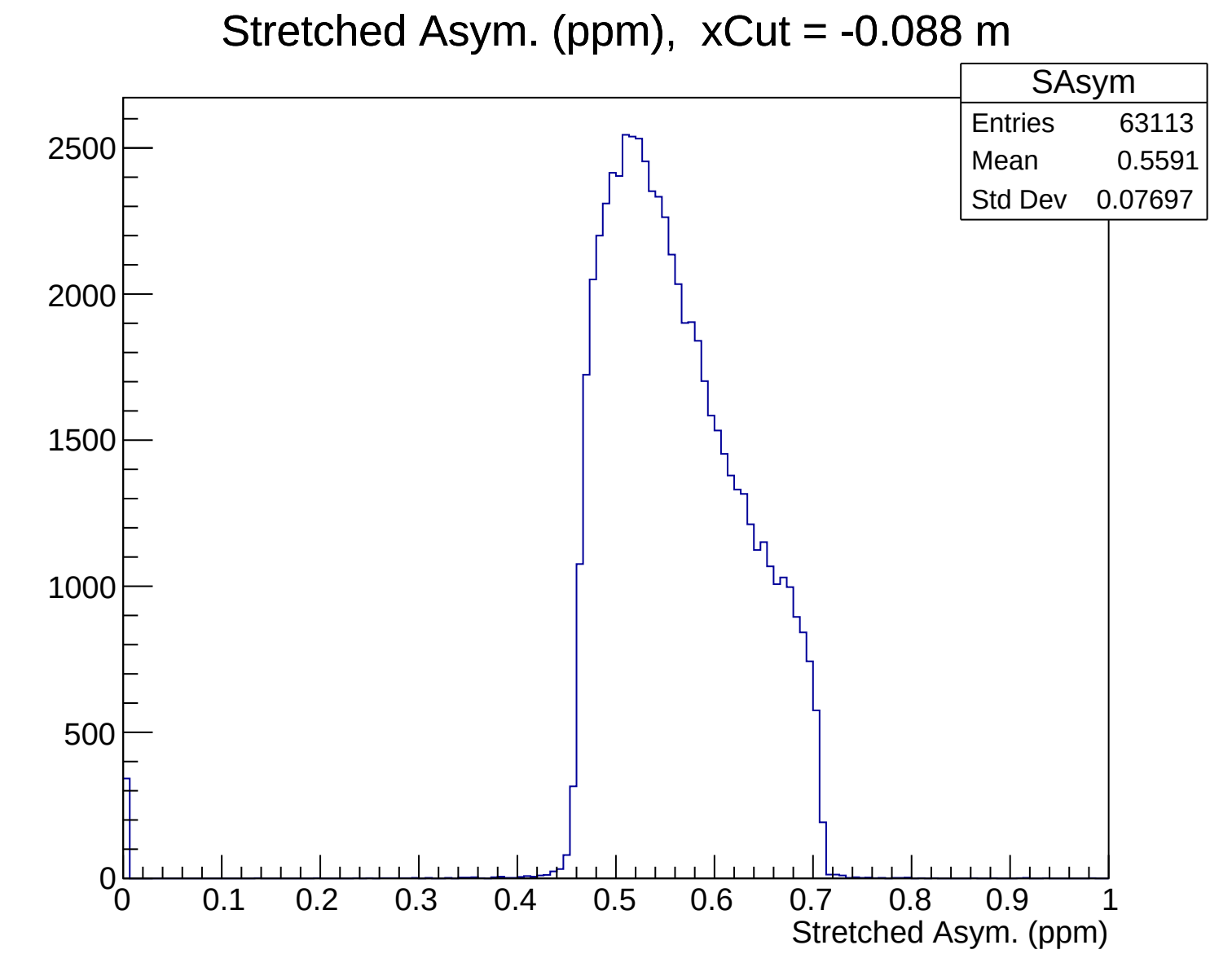

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

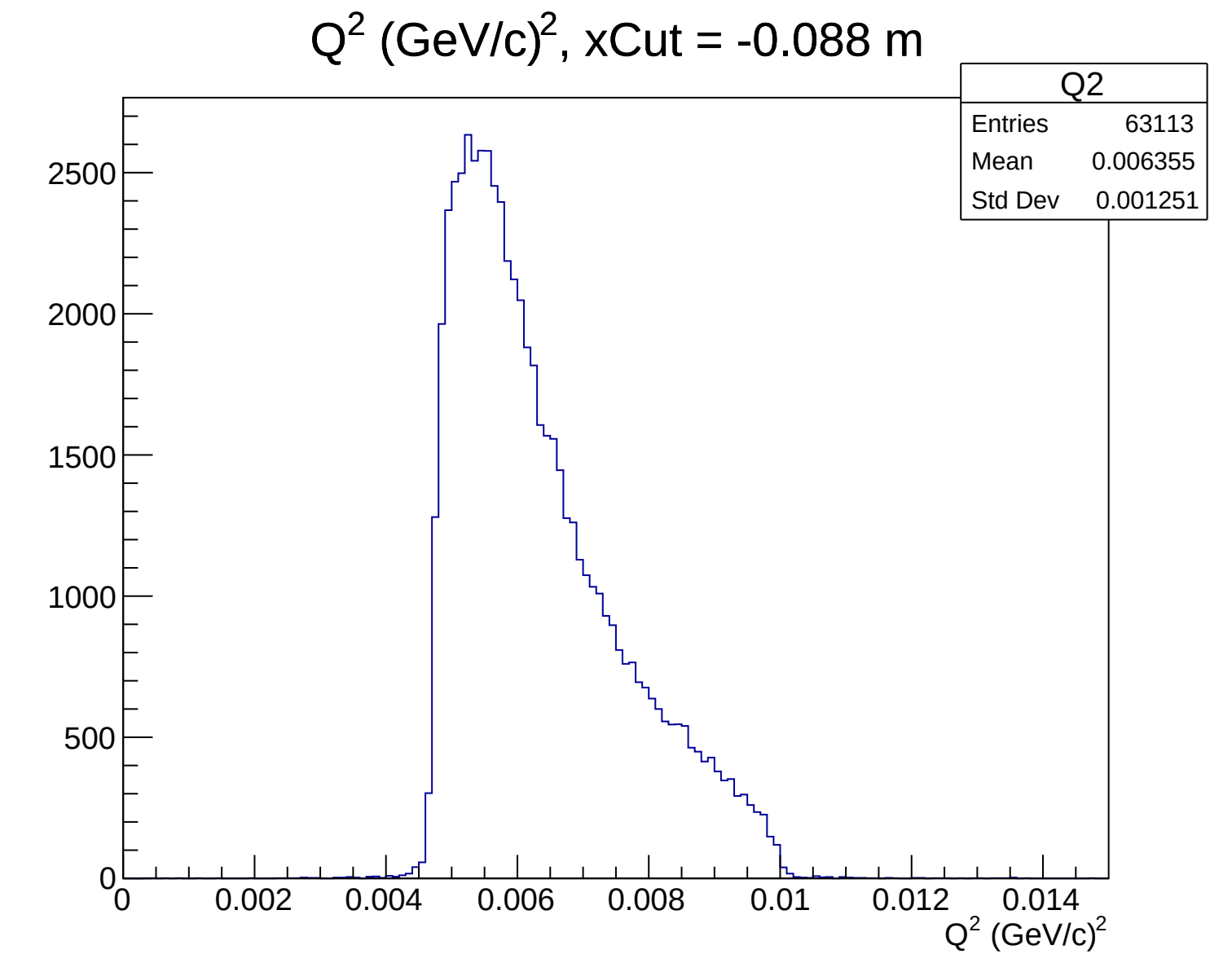

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.088
R.tr.x[0]+1.3*R.tr.th[0] (m)

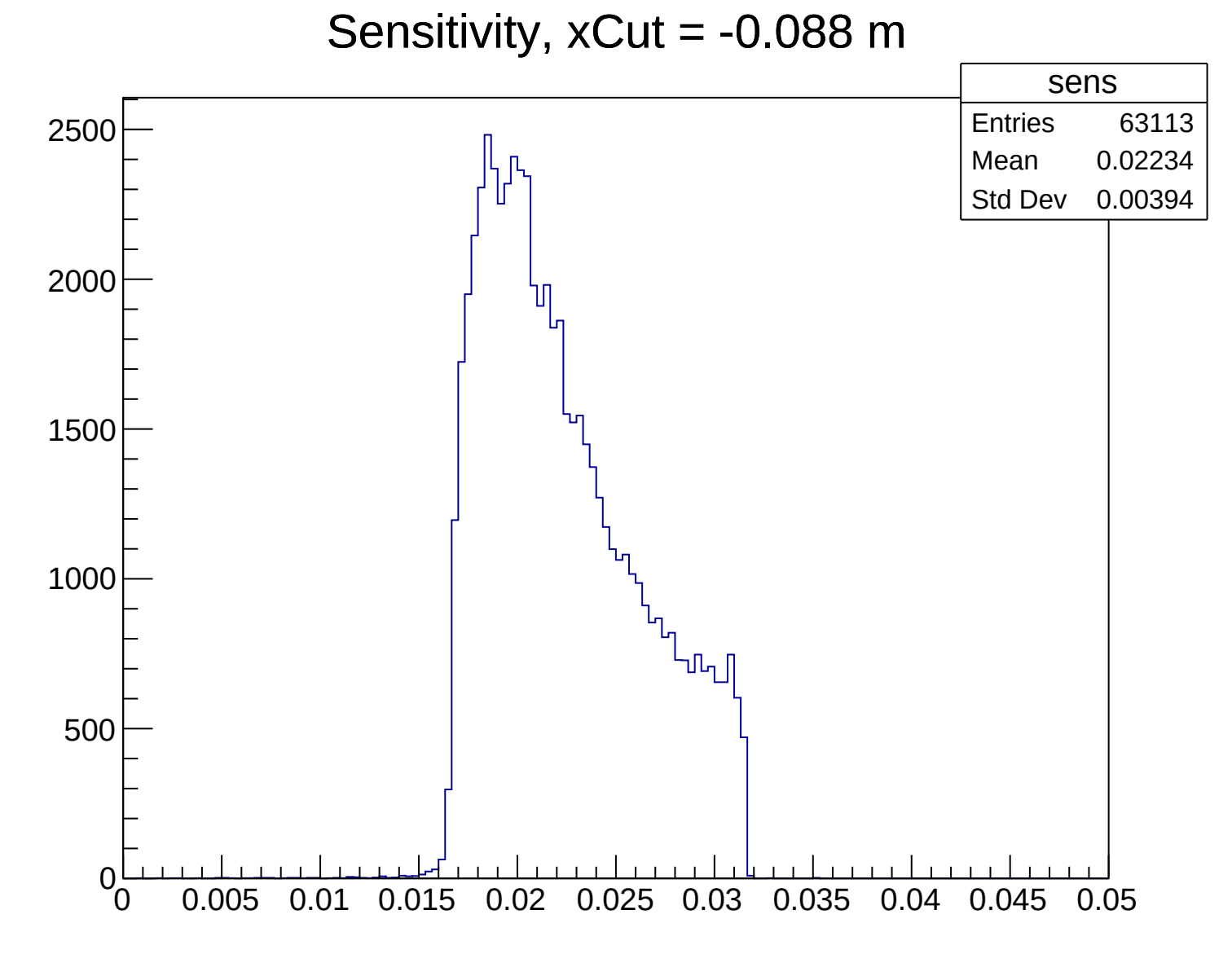

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

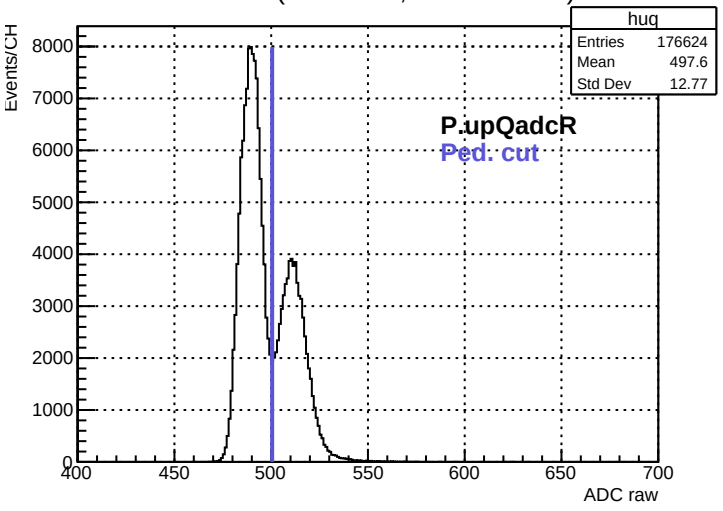

θlab (deg), xCut = -0.088 m
Theta
Entries 63113
Mean 4.795
Std Dev 0.461
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

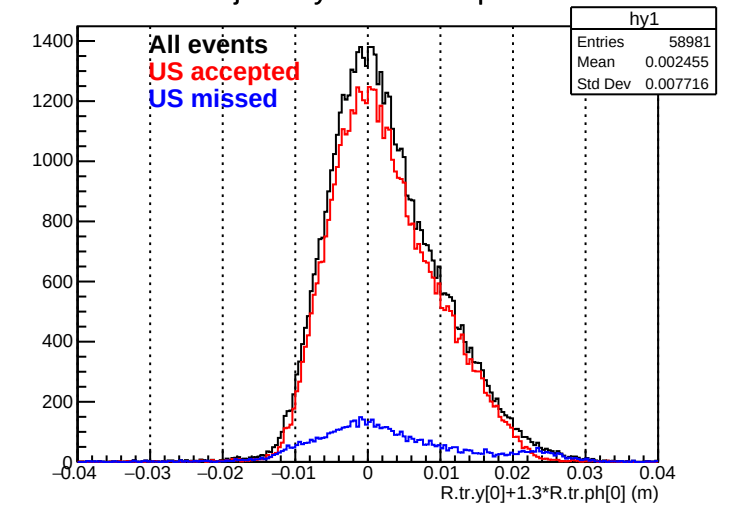

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 63113
Mean 0.5722
Std Dev 0.08079
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

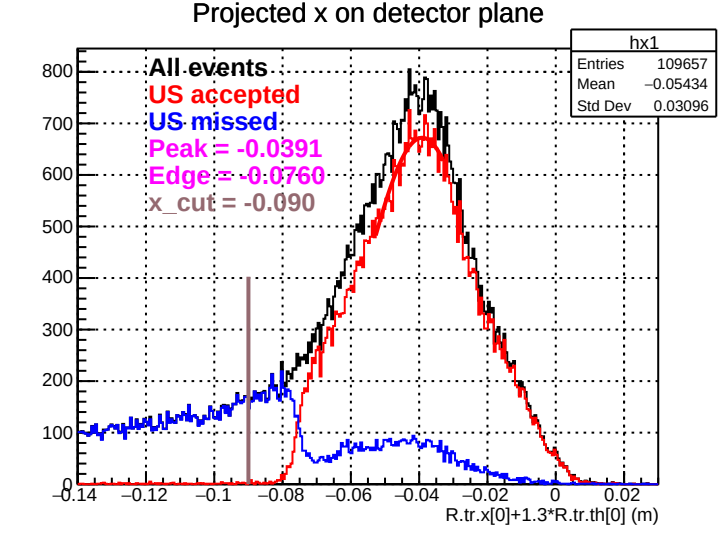

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 63113
Mean 0.5591
Std Dev 0.07697
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

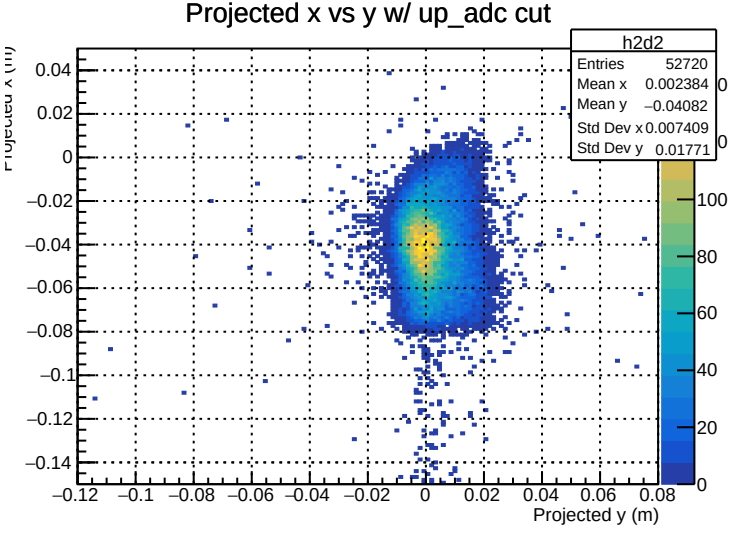

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 63113
Mean 0.006355
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

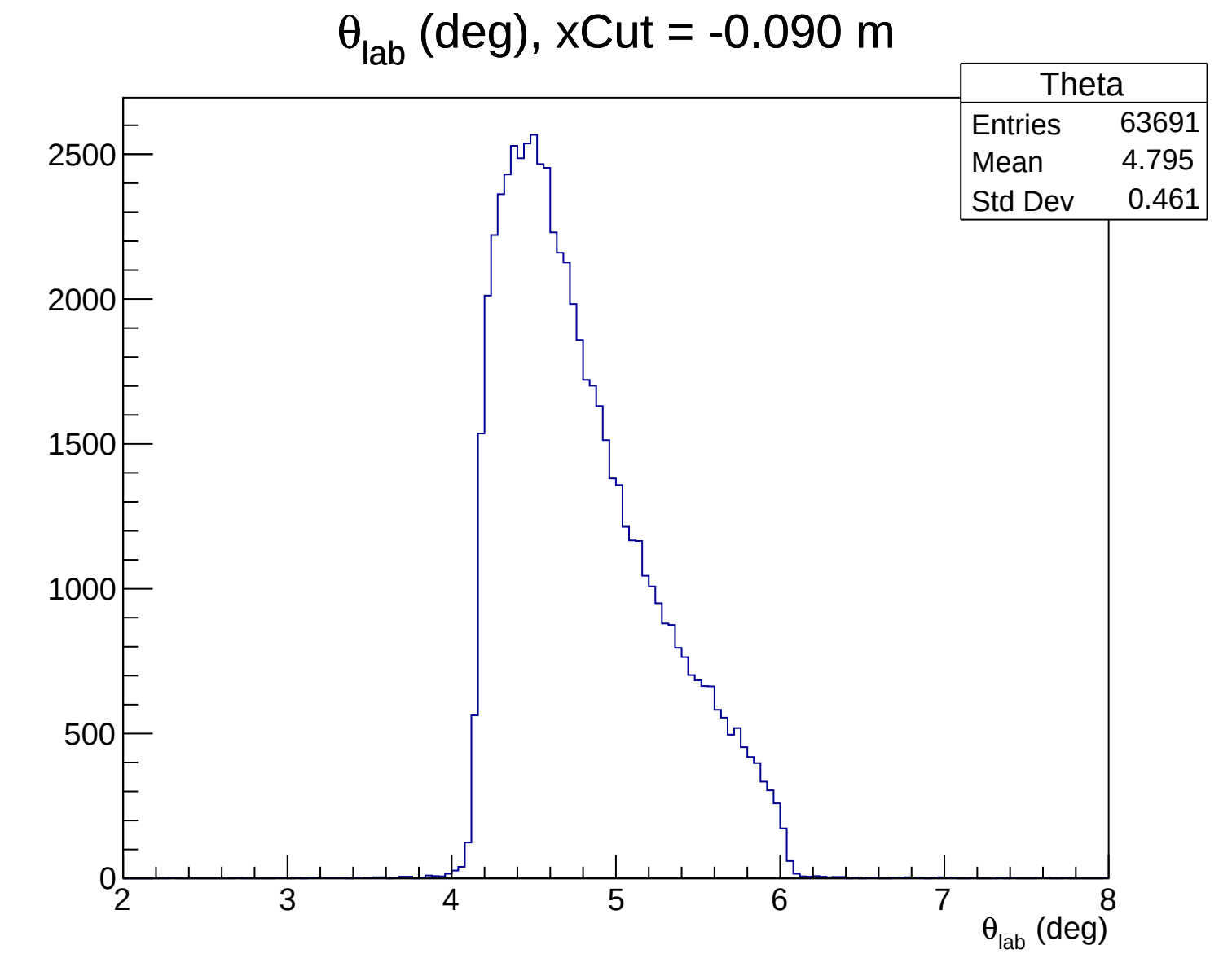

Sensitivity, xCut = -0.088 m
sens
Entries 63113
Mean 0.02234
Std Dev 0.00394
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

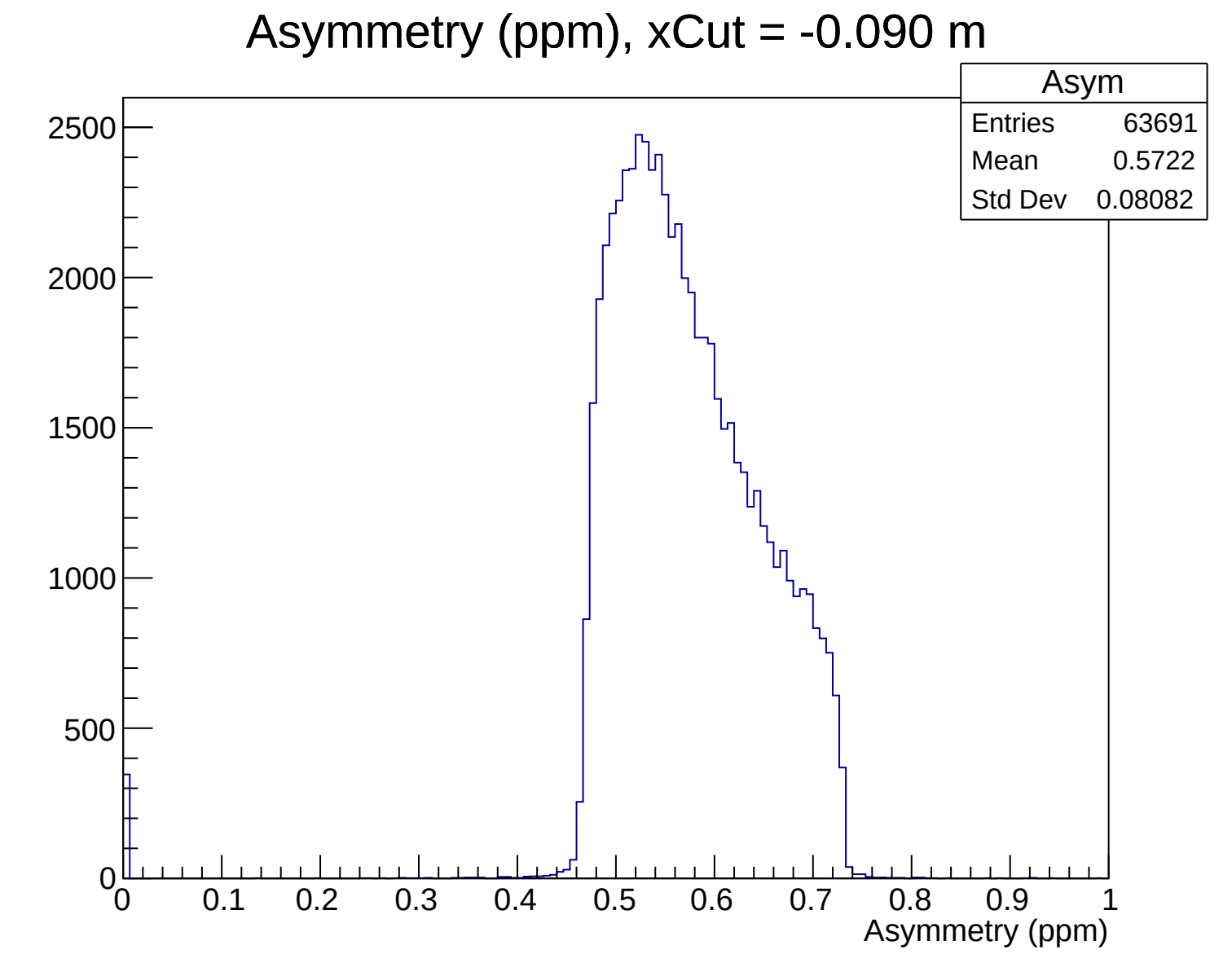

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

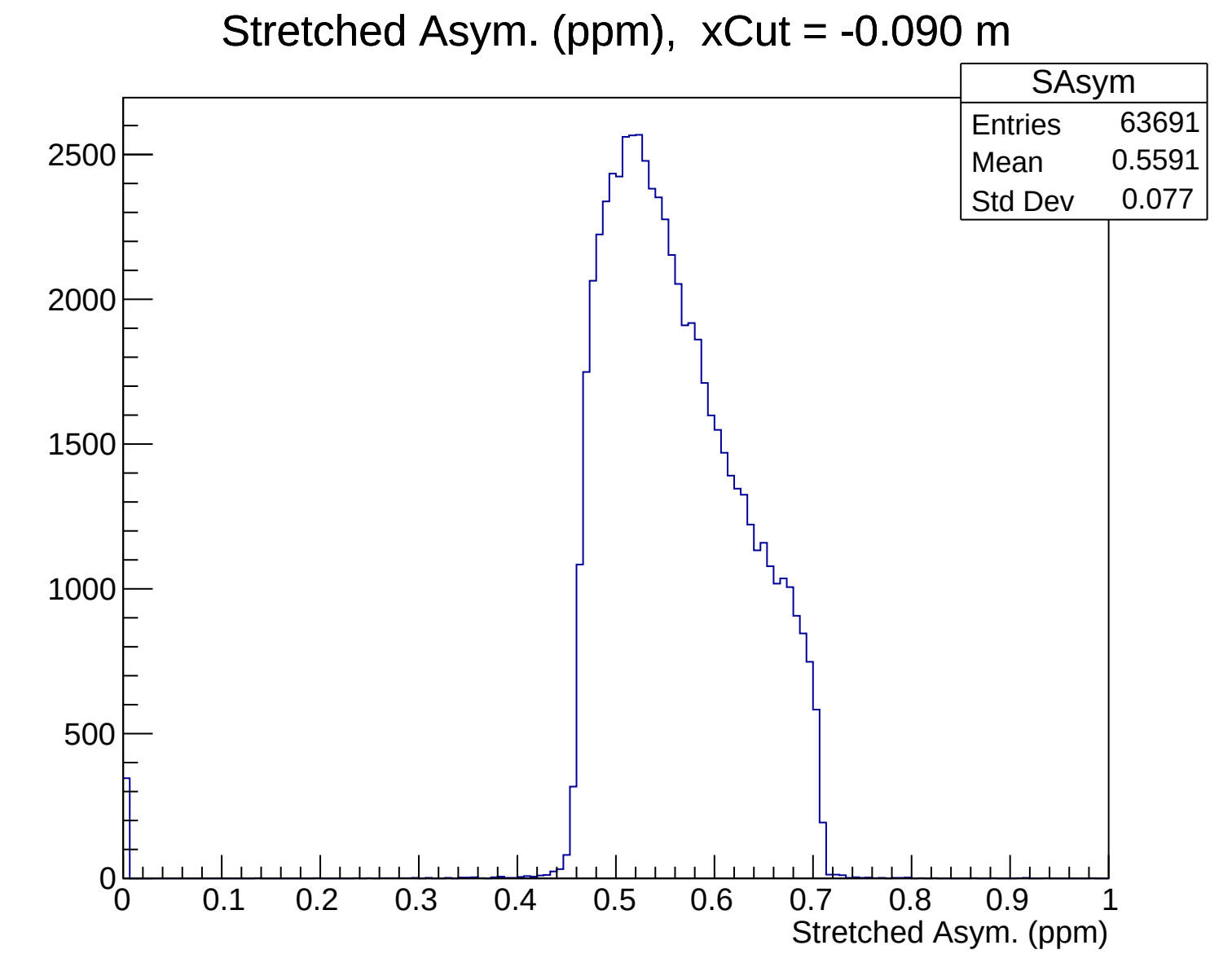

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

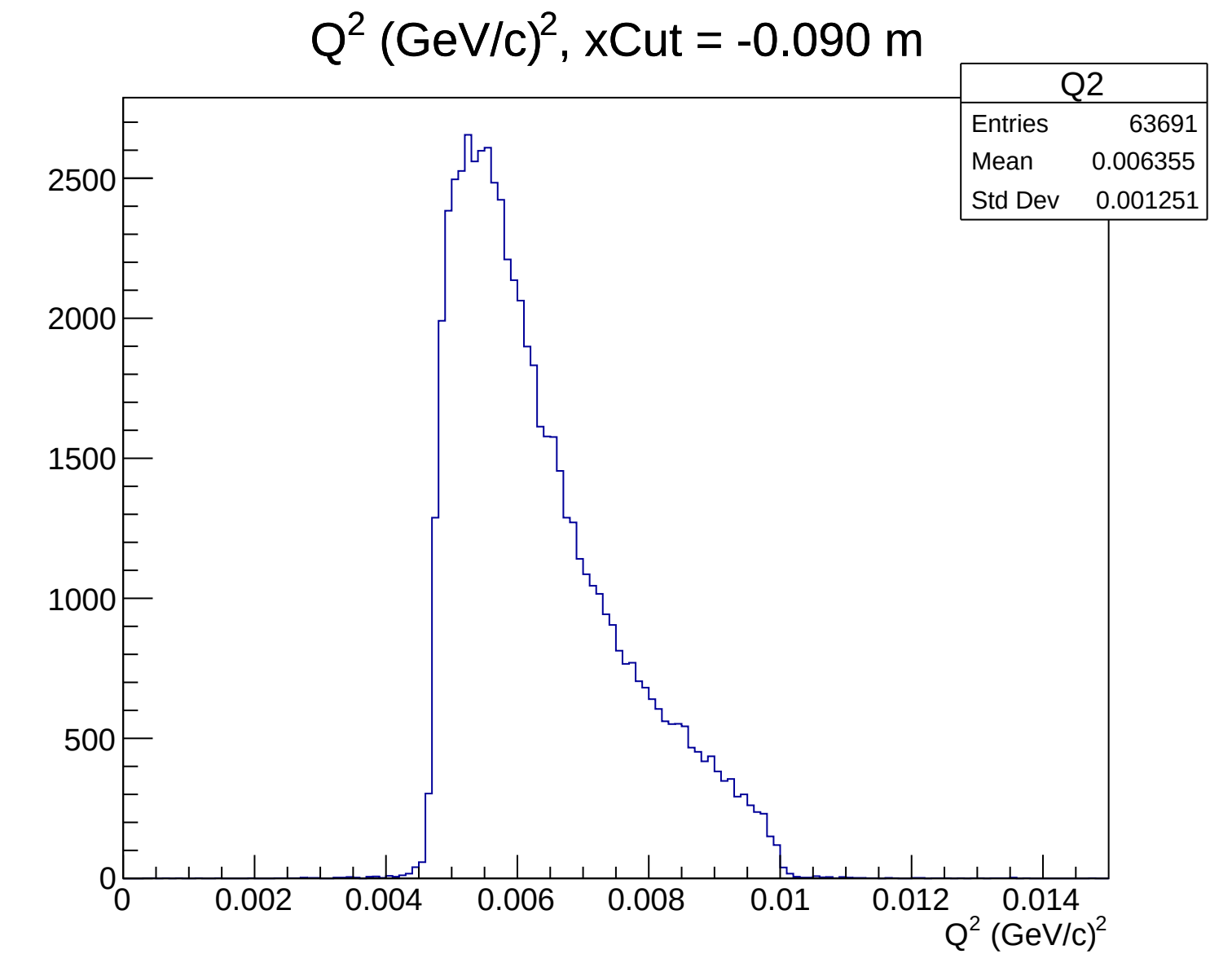

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.090
R.tr.x[0]+1.3*R.tr.th[0] (m)

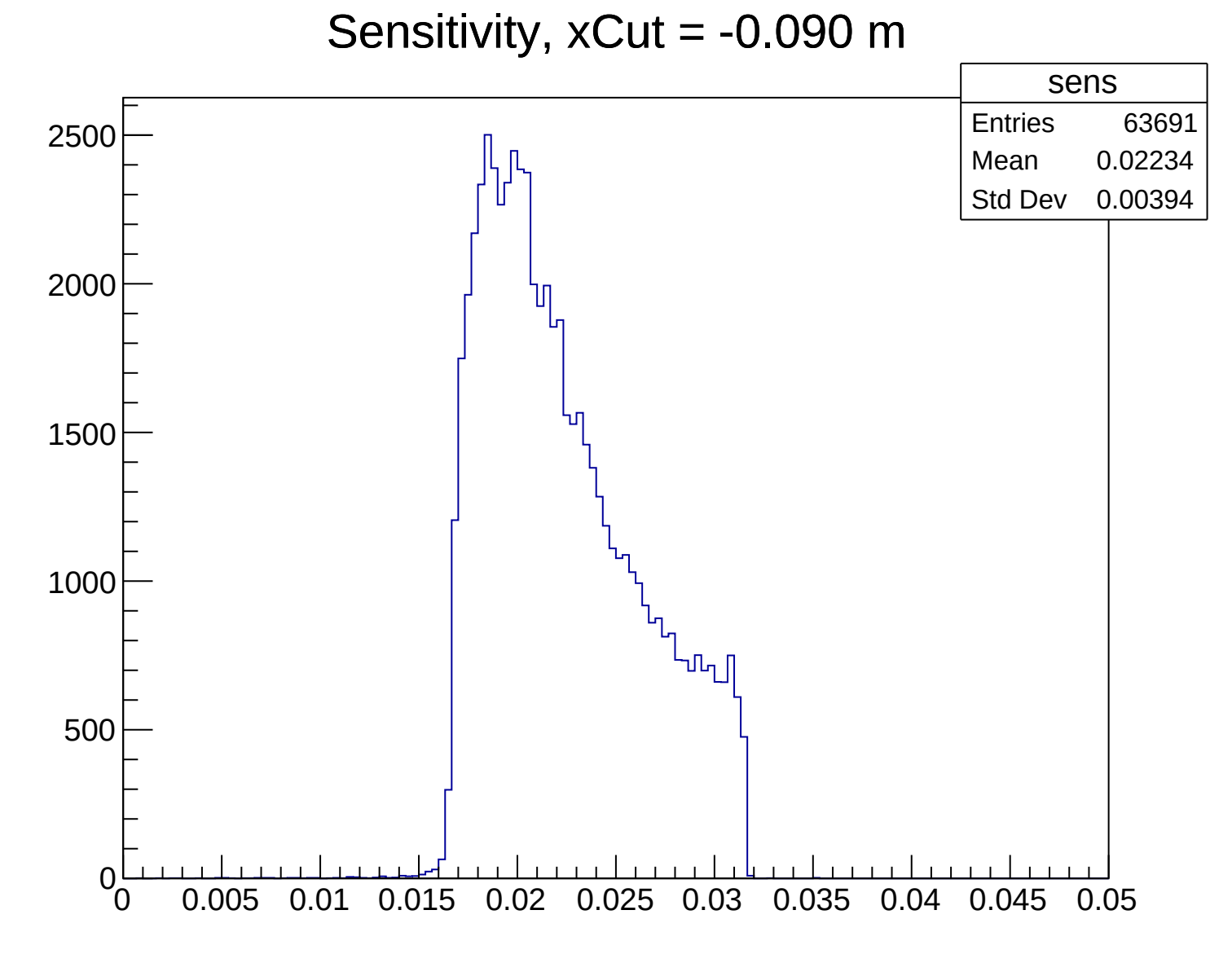

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected y (m)

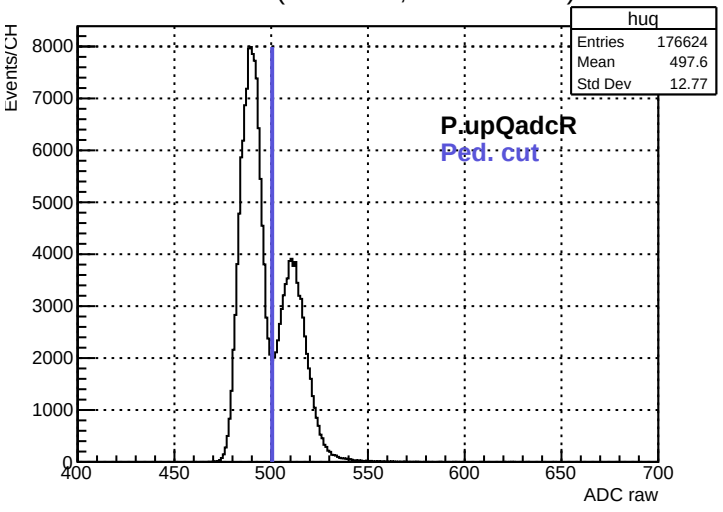

θlab (deg), xCut = -0.090 m
Theta
Entries 63691
Mean 4.795
Std Dev 0.461
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

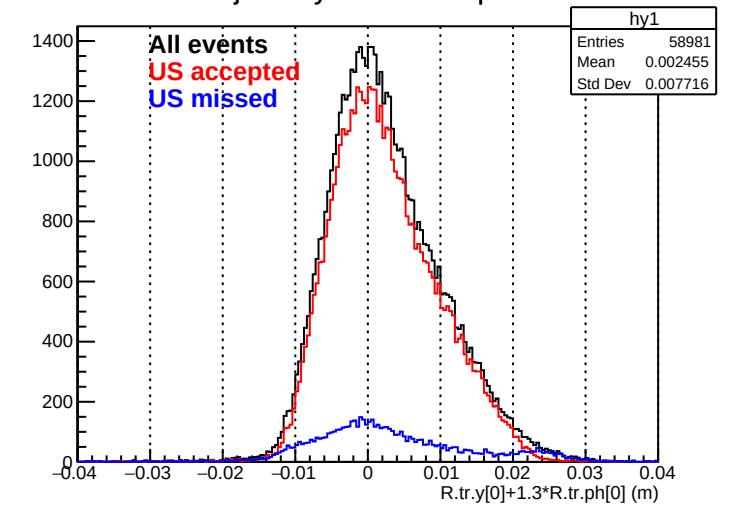

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 63691
Mean 0.5722
Std Dev 0.08082
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

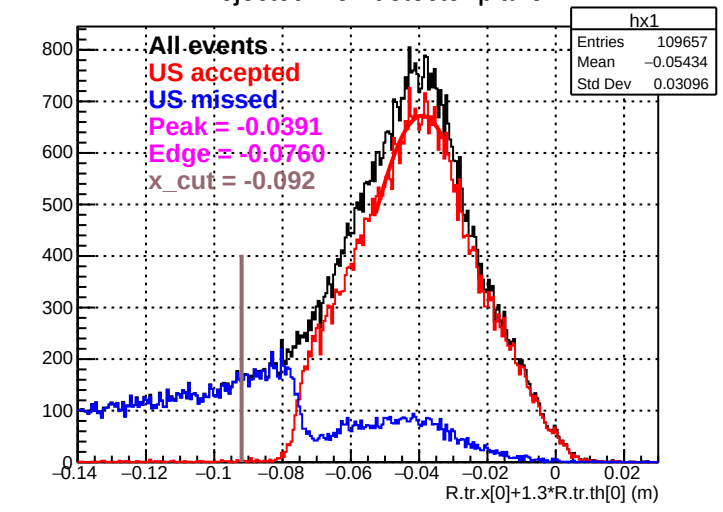

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 63691
Mean 0.5591
Std Dev 0.077
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

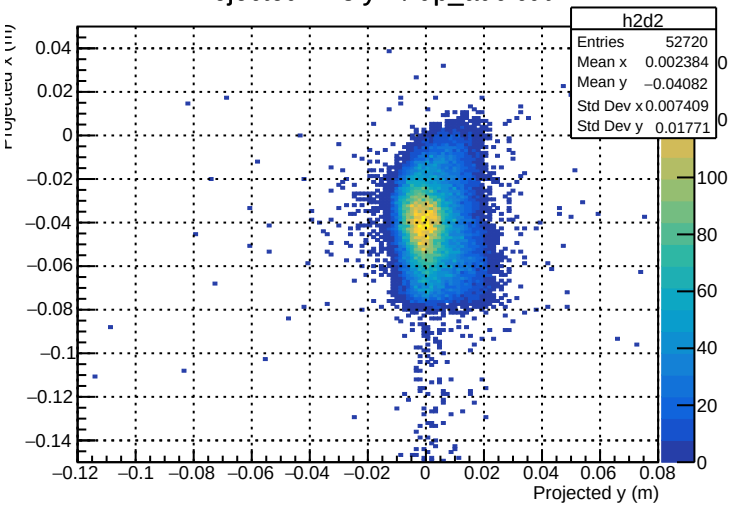

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 63691
Mean 0.006355
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

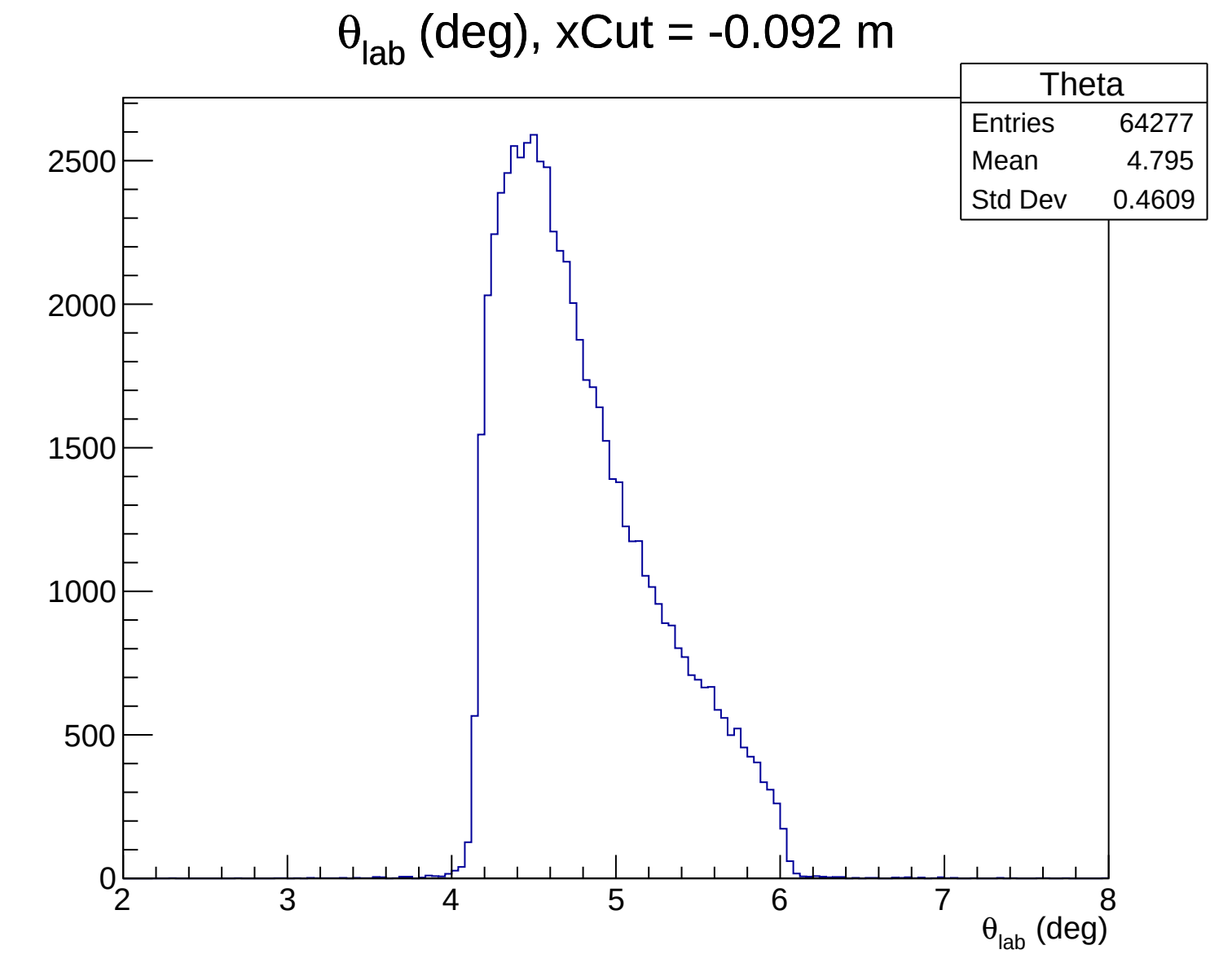

Sensitivity, xCut = -0.090 m
sens
Entries 63691
Mean 0.02234
Std Dev 0.00394
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

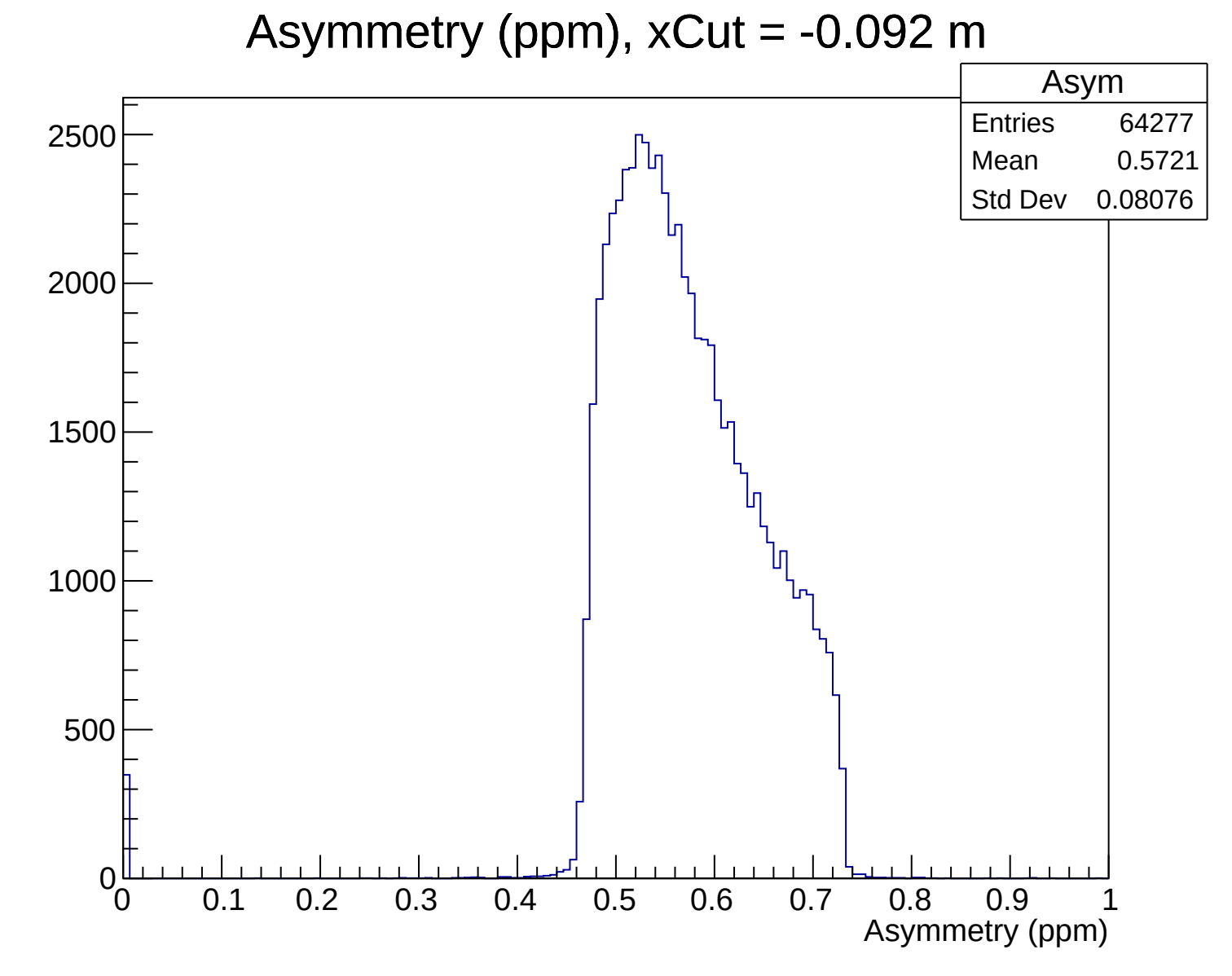

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

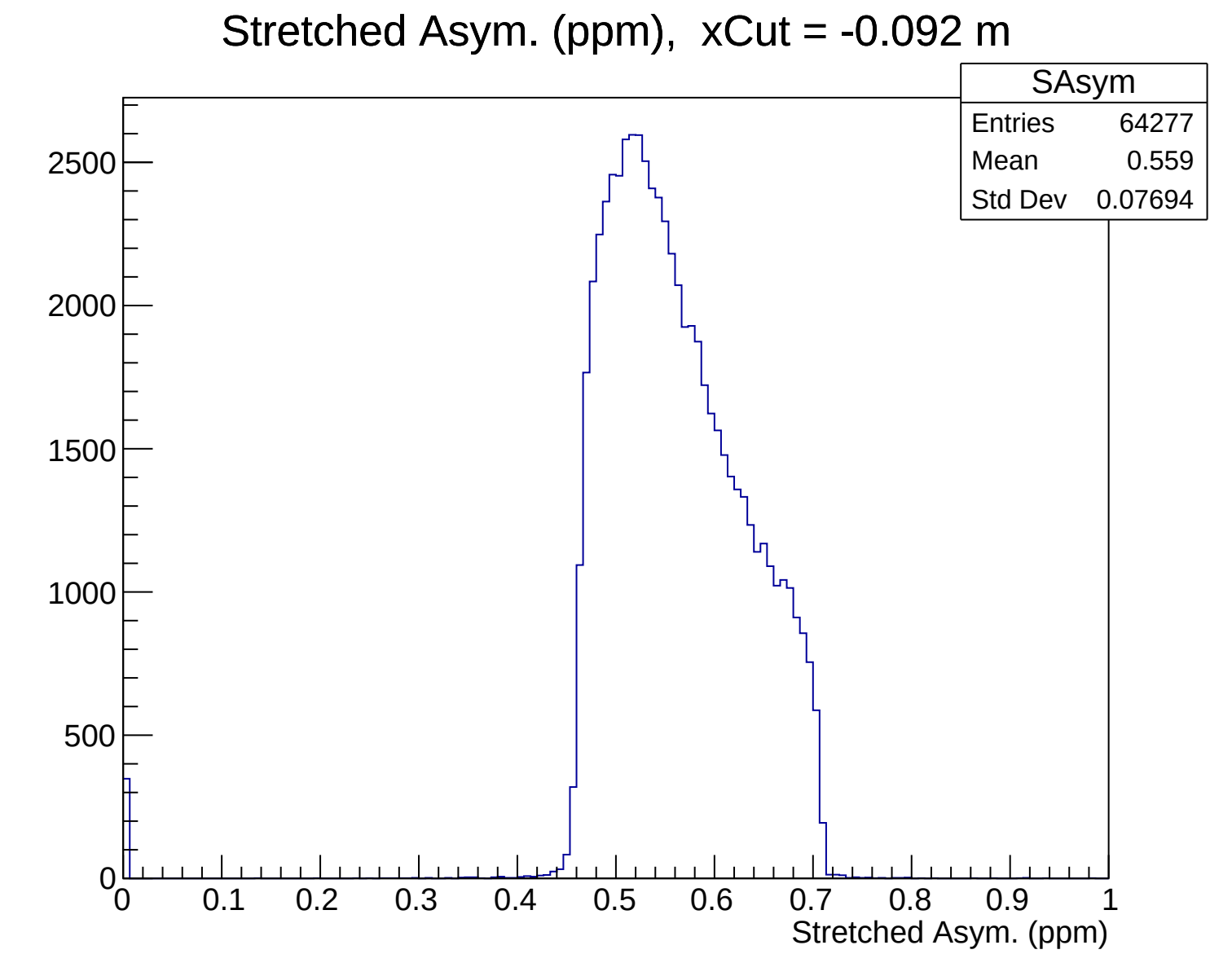

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

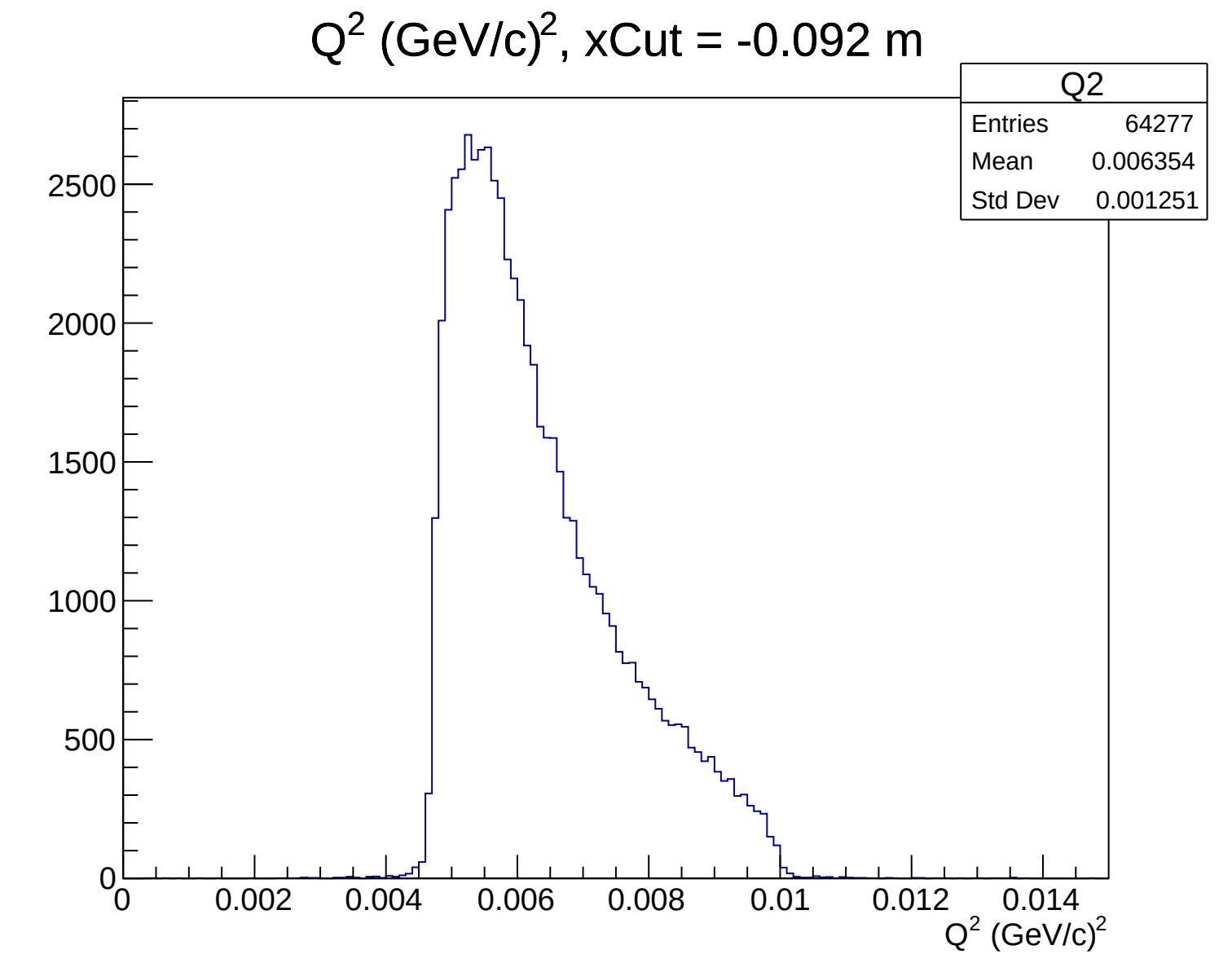

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.092
R.tr.x[0]+1.3*R.tr.th[0] (m)

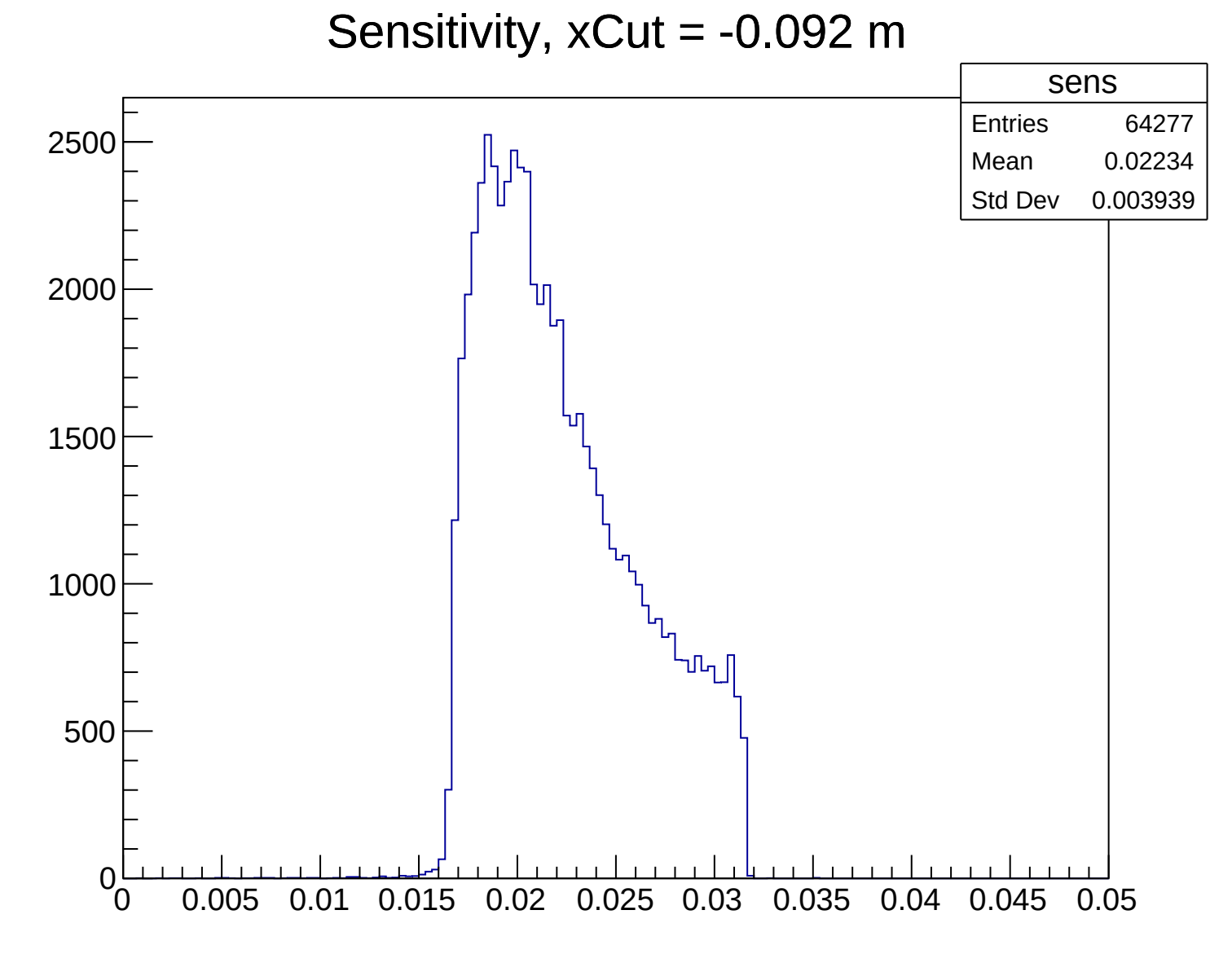

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

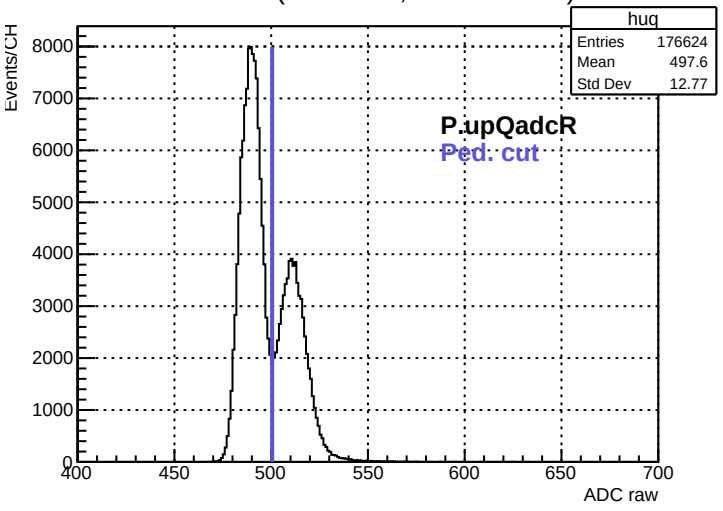

θlab (deg), xCut = -0.092 m
Theta
Entries 64277
Mean 4.795
Std Dev 0.4609
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

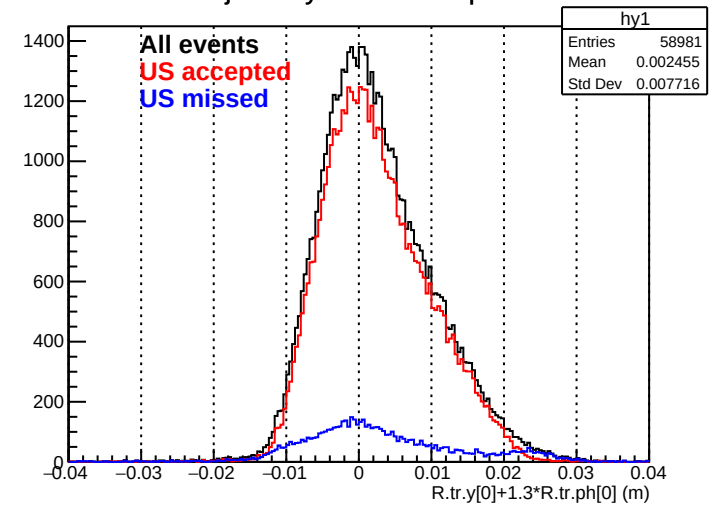

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 64277
Mean 0.5721
Std Dev 0.08076
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

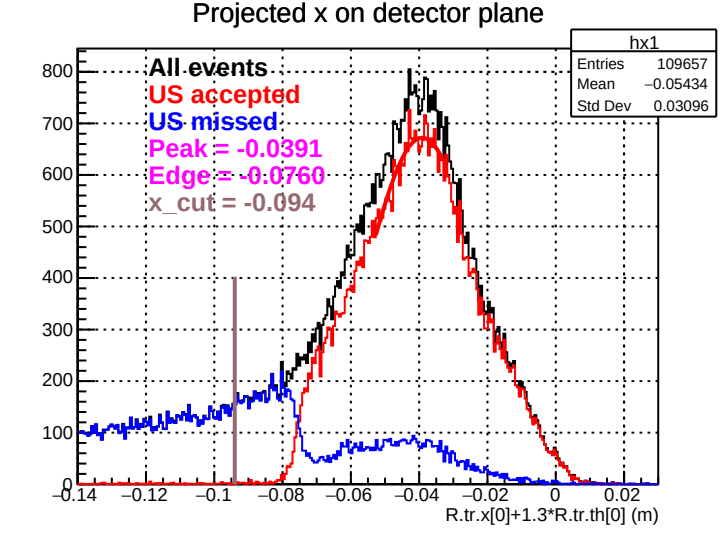

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 64277
Mean 0.559
Std Dev 0.07694
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

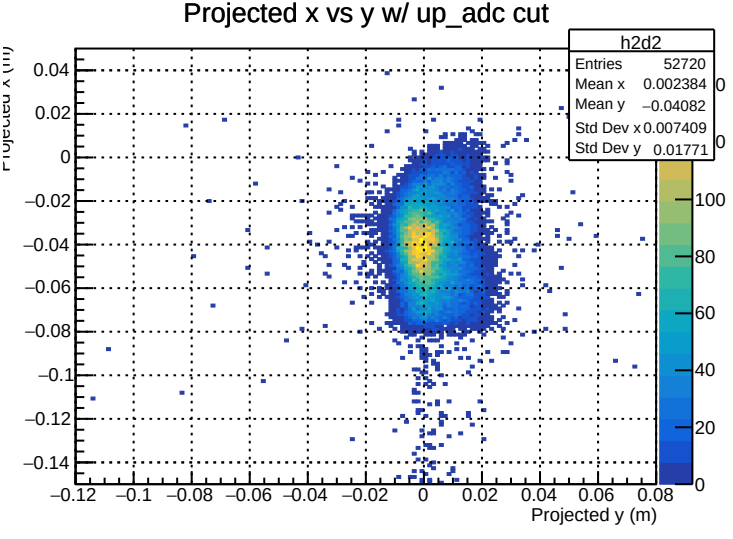

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 64277
Mean 0.006354
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

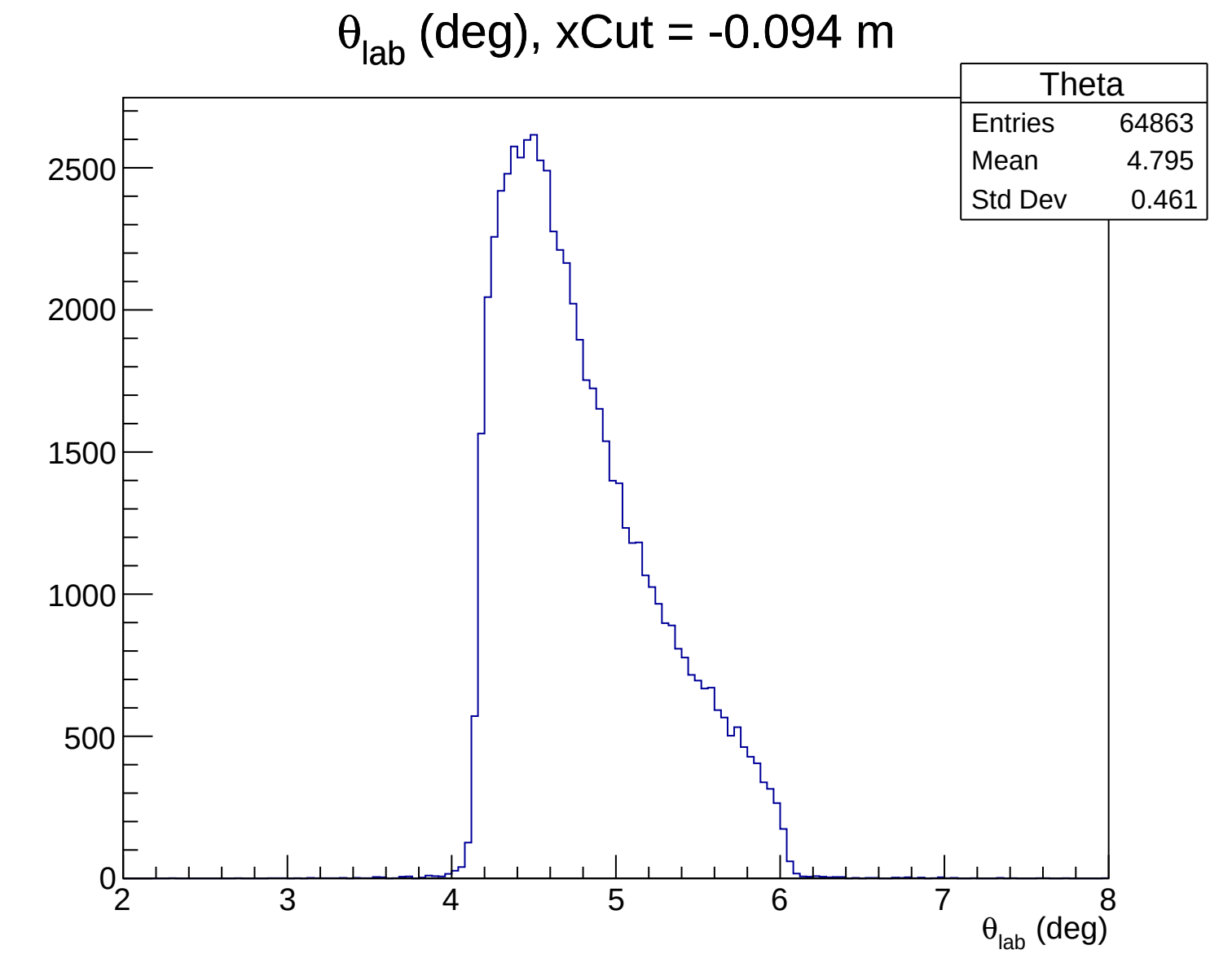

Sensitivity, xCut = -0.092 m
sens
Entries 64277
Mean 0.02234
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

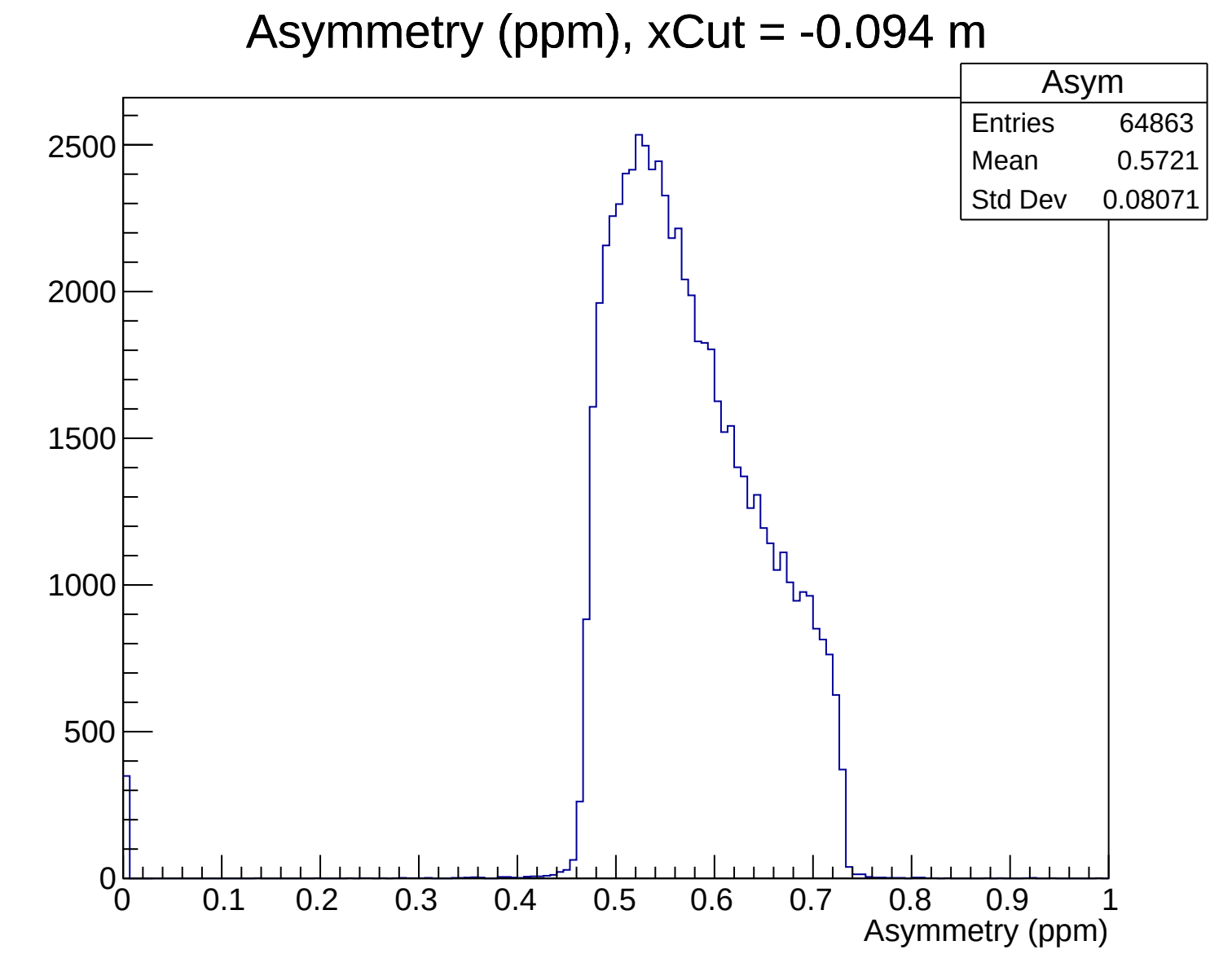

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

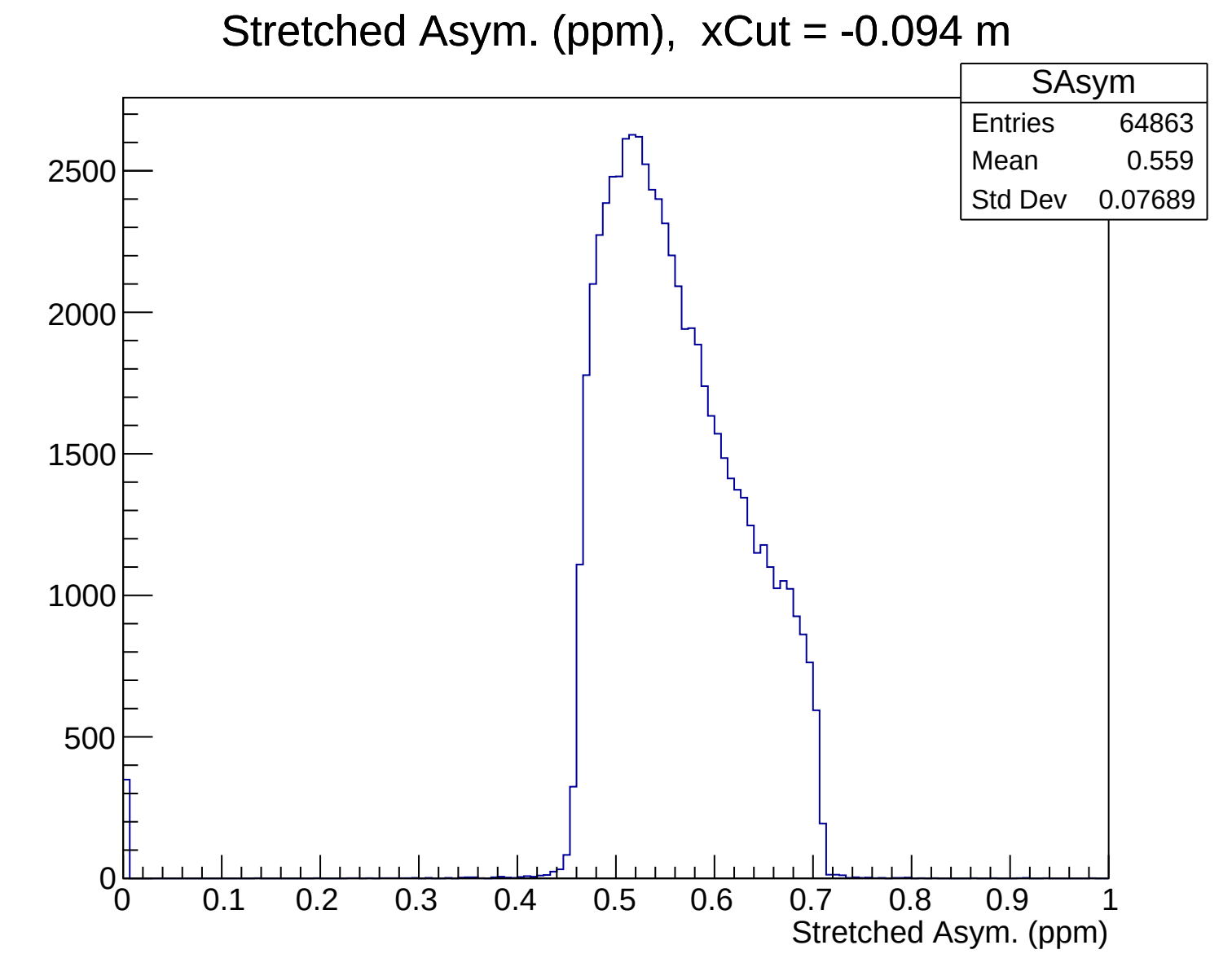

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

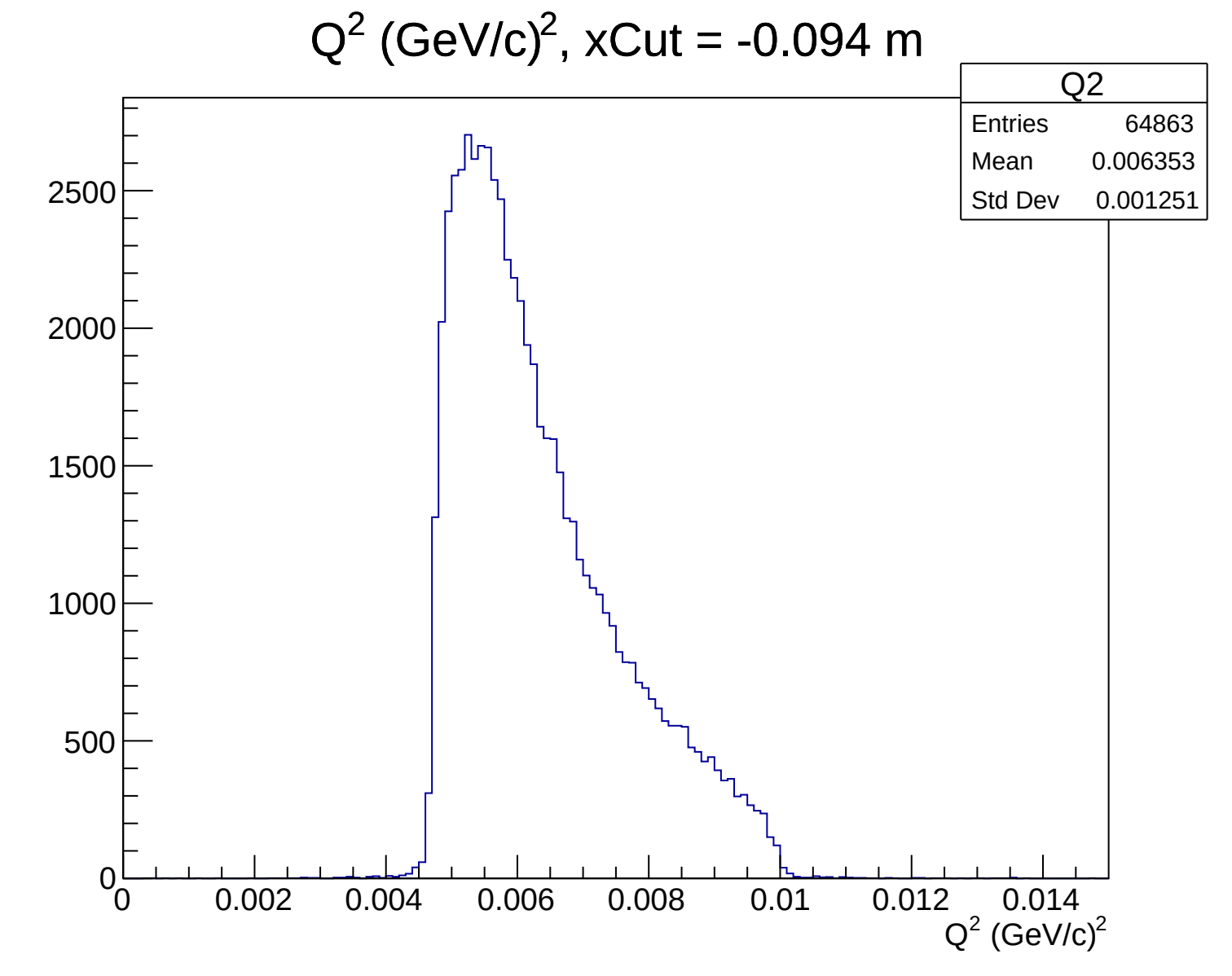

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.094
R.tr.x[0]+1.3*R.tr.th[0] (m)

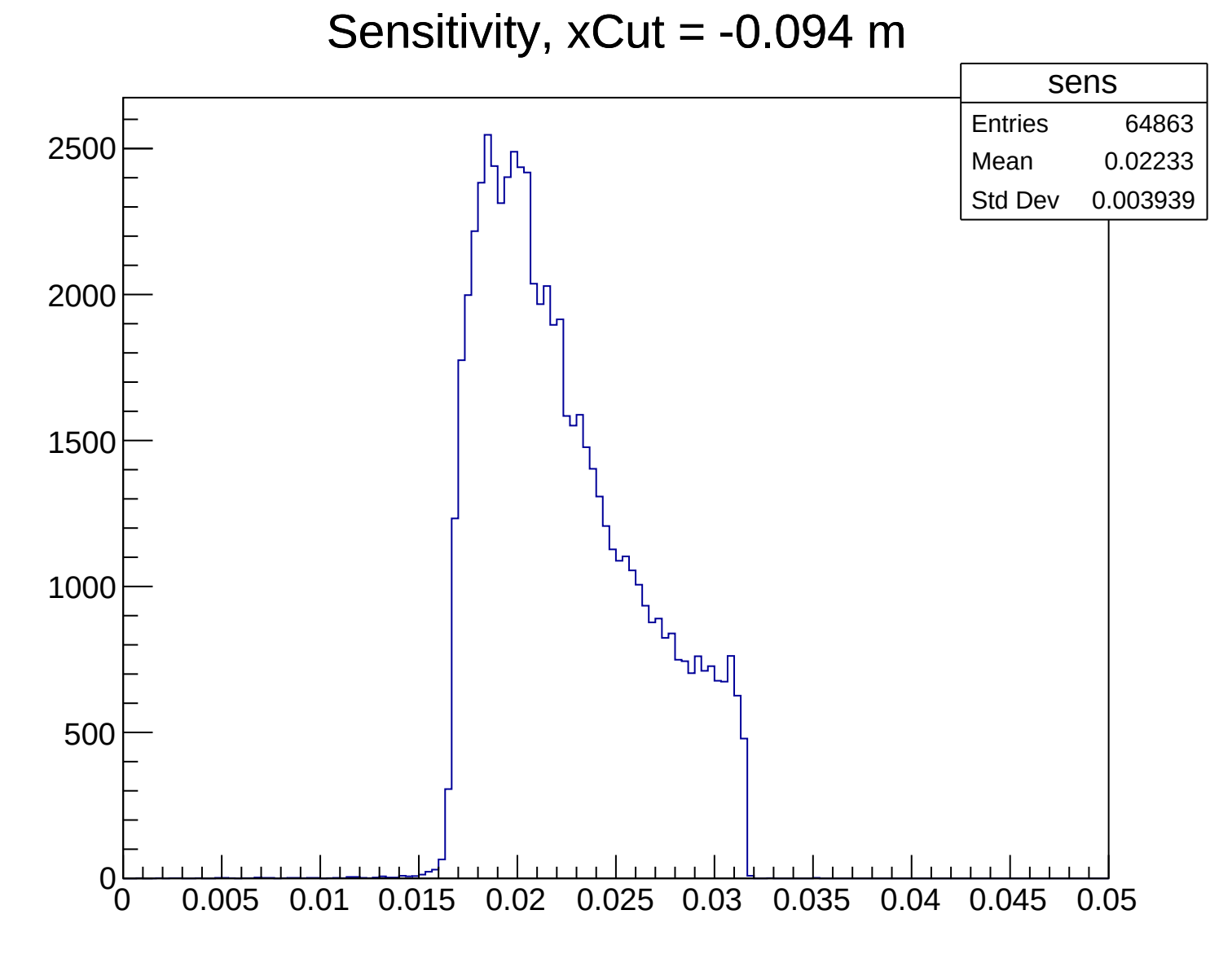

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

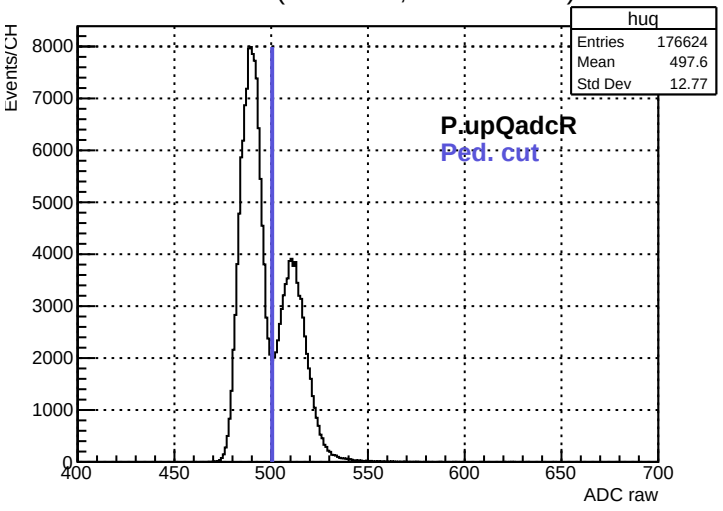

θlab (deg), xCut = -0.094 m
Theta
Entries 64863
Mean 4.795
Std Dev 0.461
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

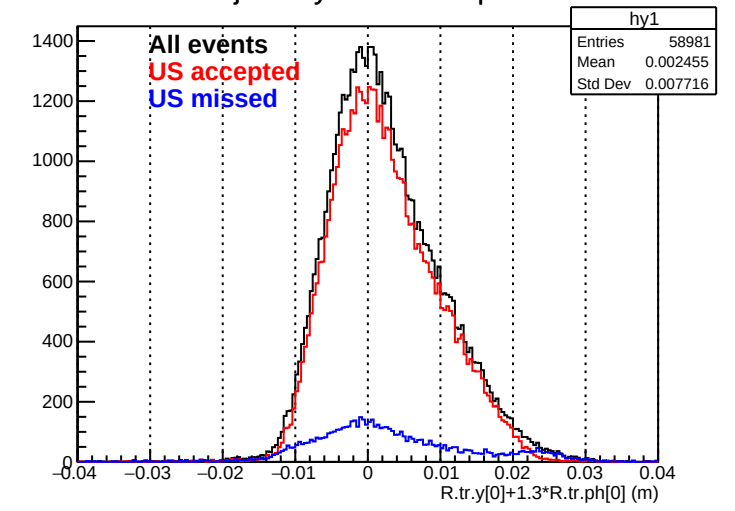

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 64863
Mean 0.5721
Std Dev 0.08071
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

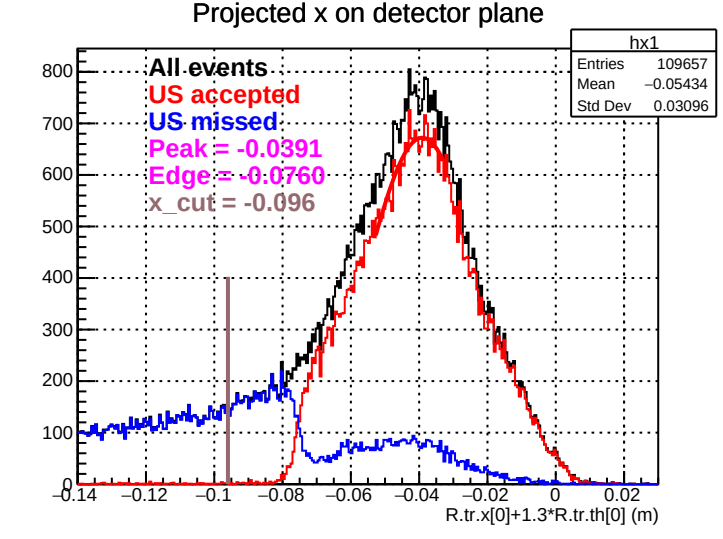

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 64863
Mean 0.559
Std Dev 0.07689
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

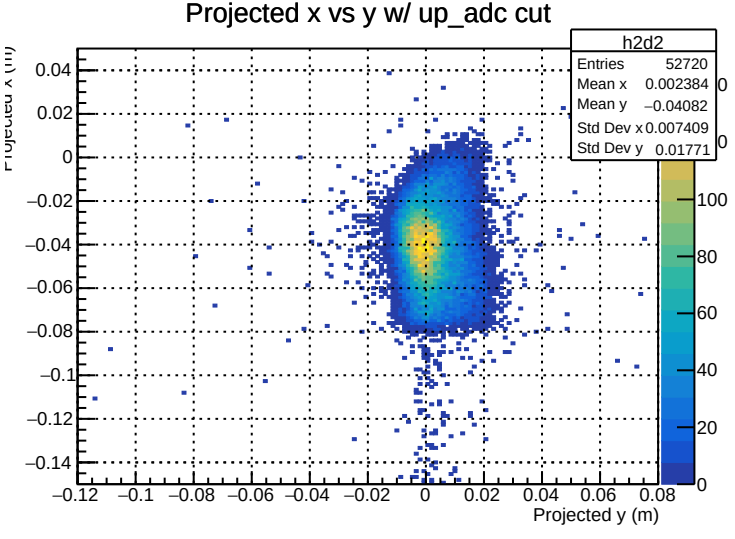

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 64863
Mean 0.006353
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

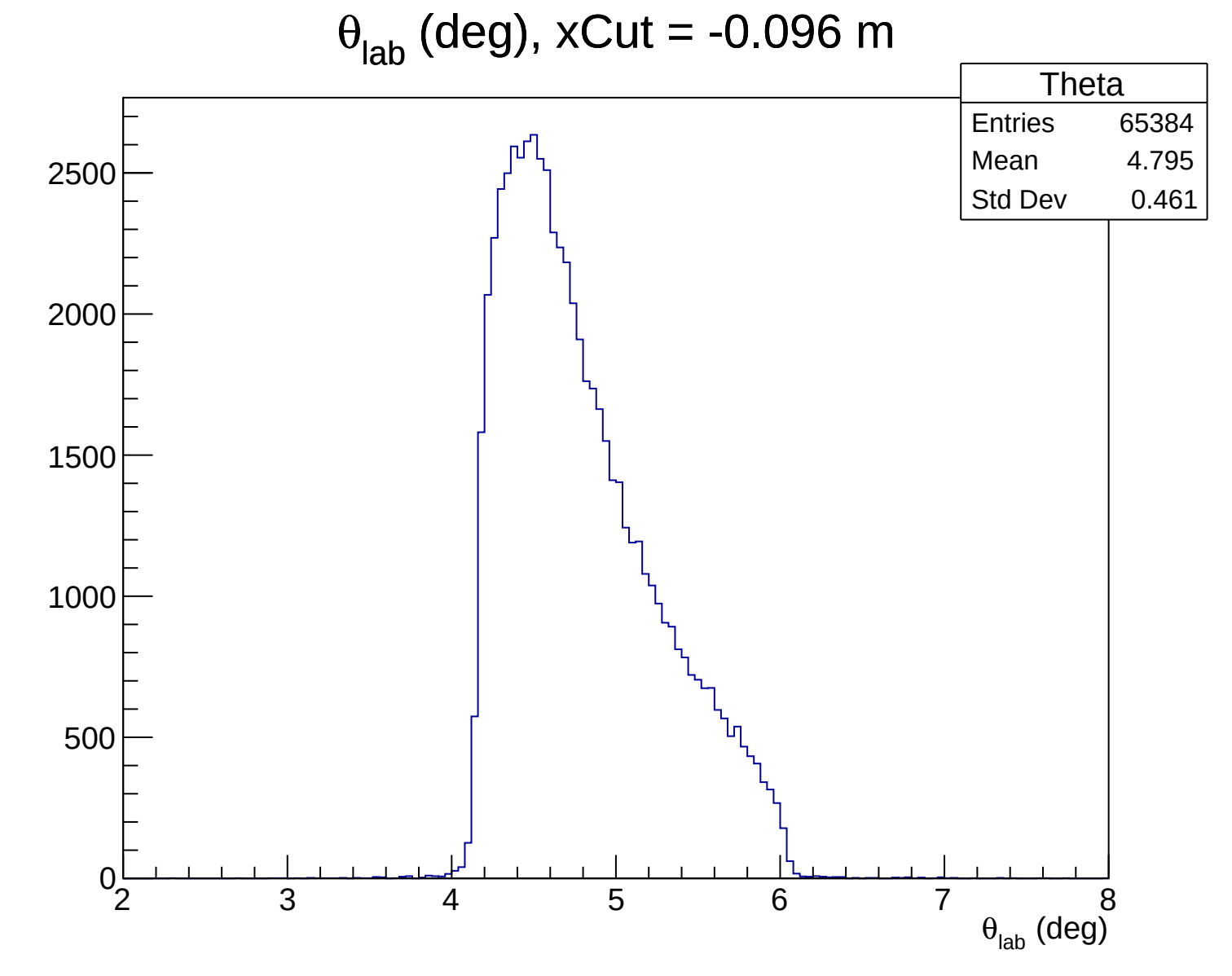

Sensitivity, xCut = -0.094 m
sens
Entries 64863
Mean 0.02233
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

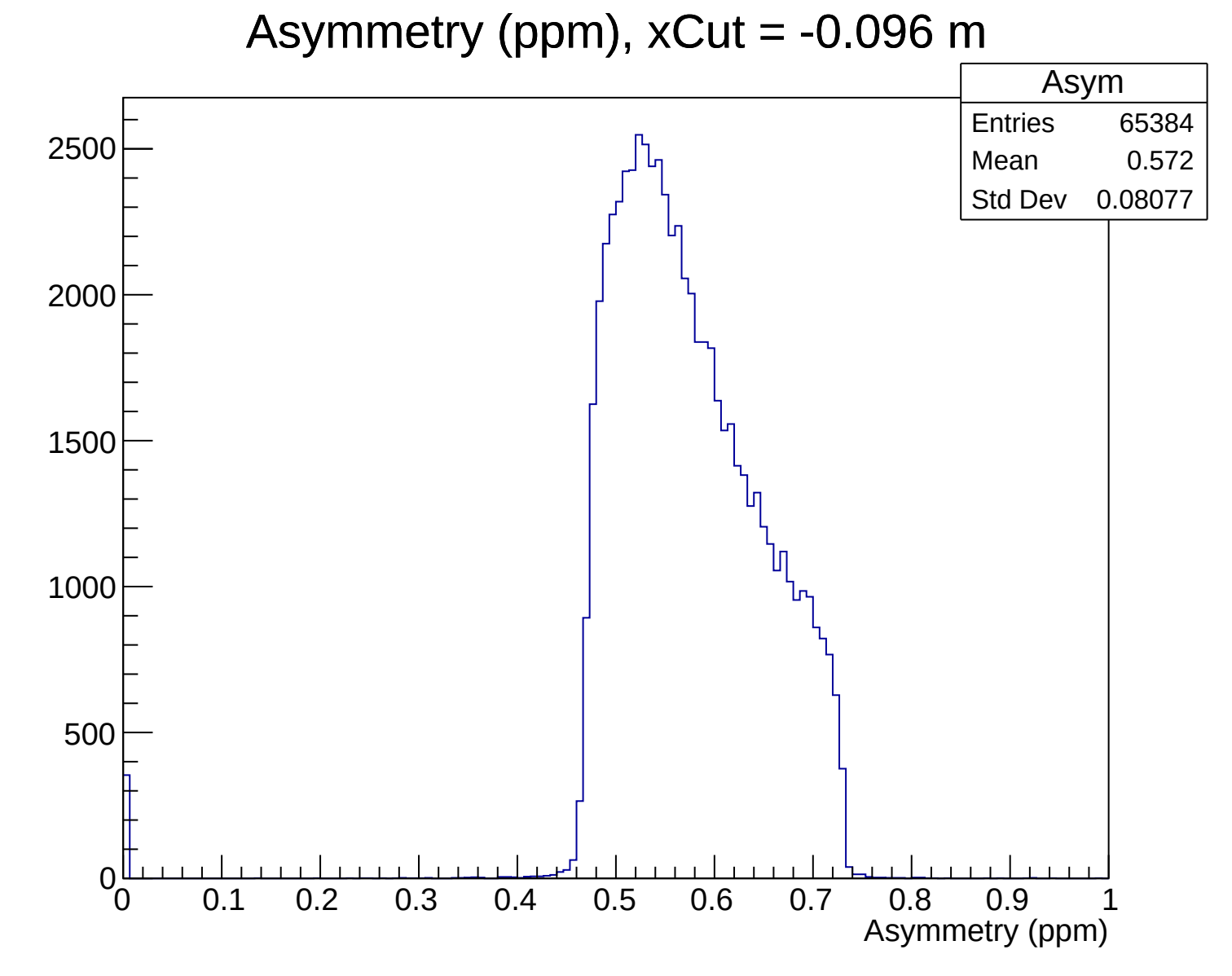

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

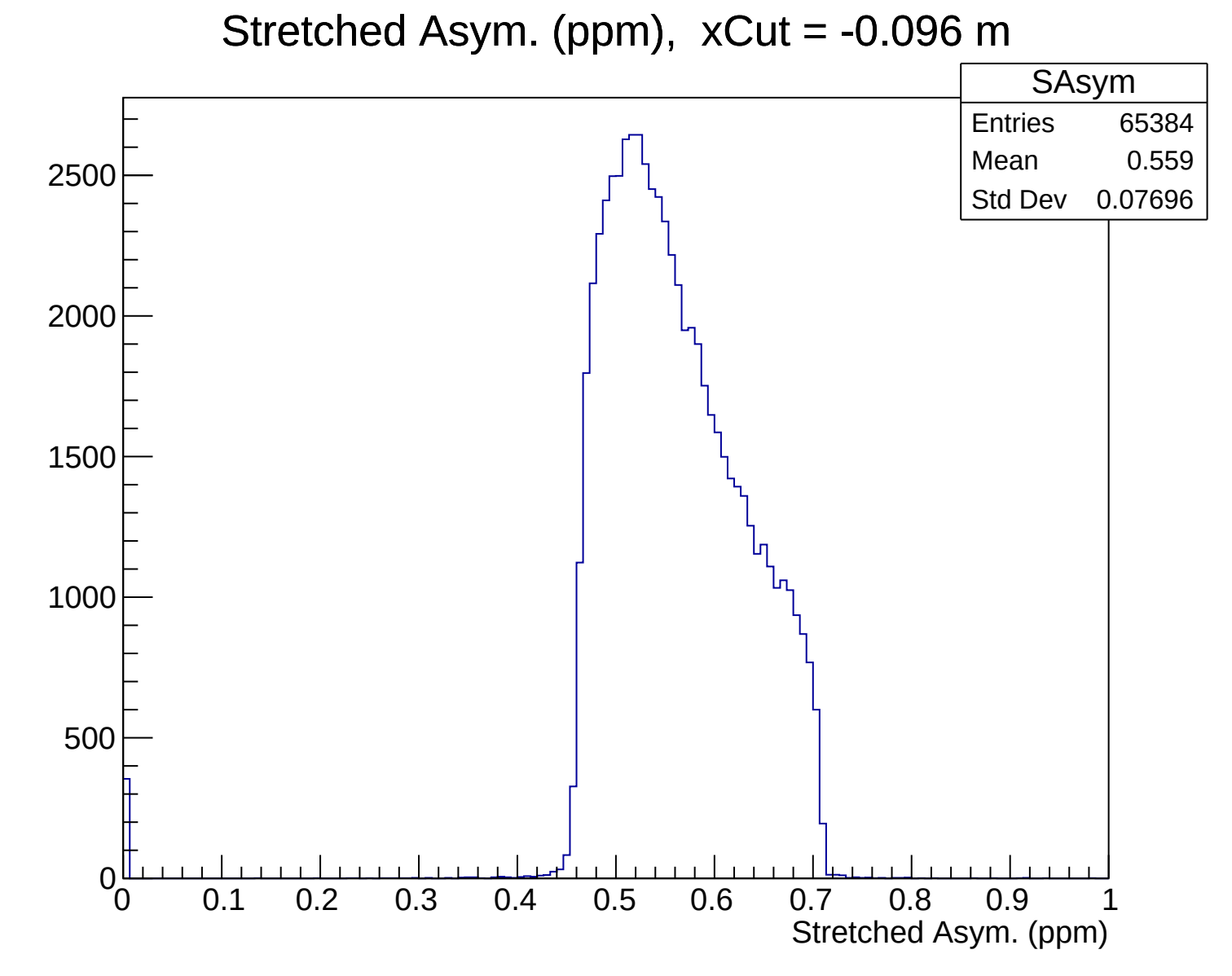

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

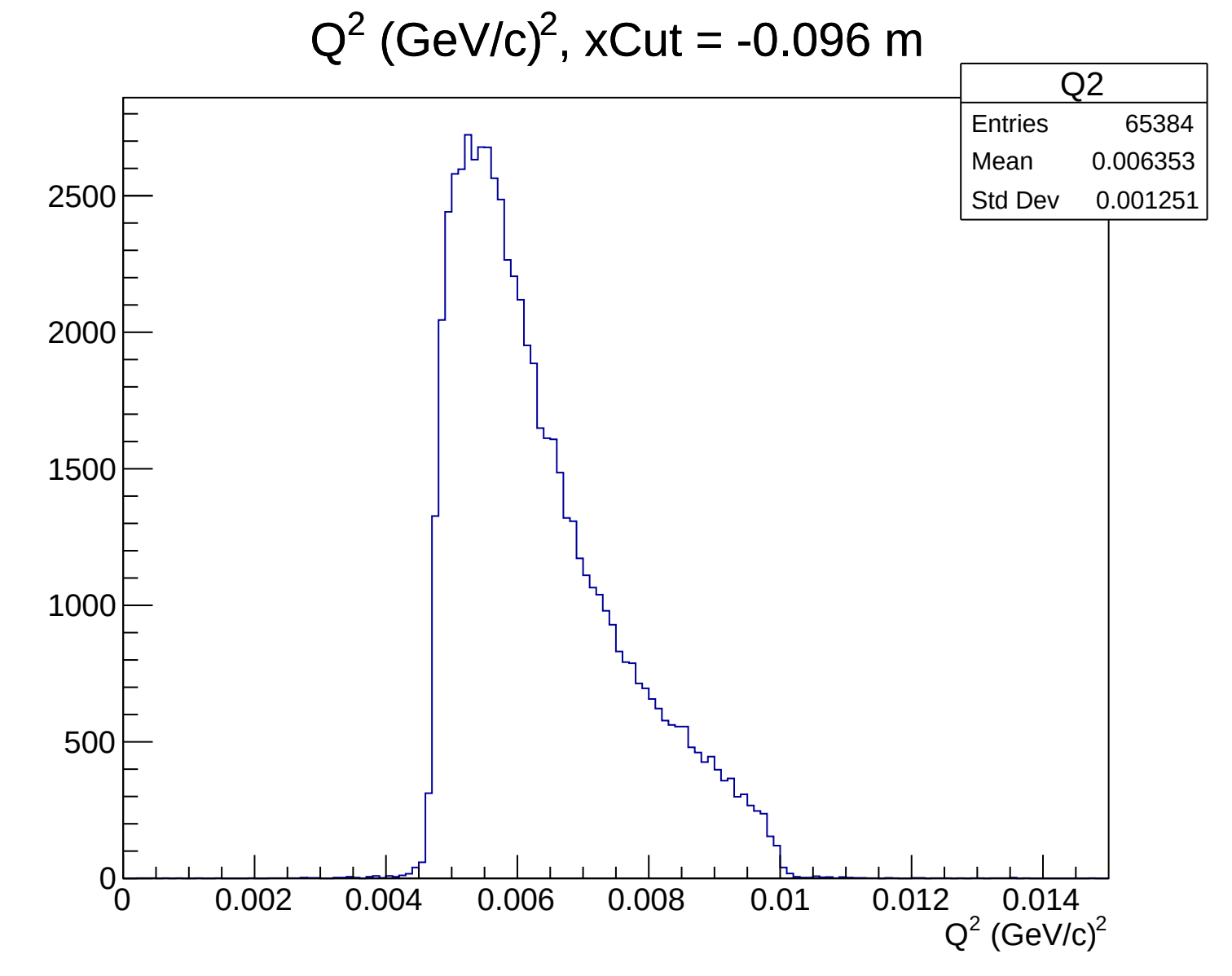

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.096
R.tr.x[0]+1.3*R.tr.th[0] (m)

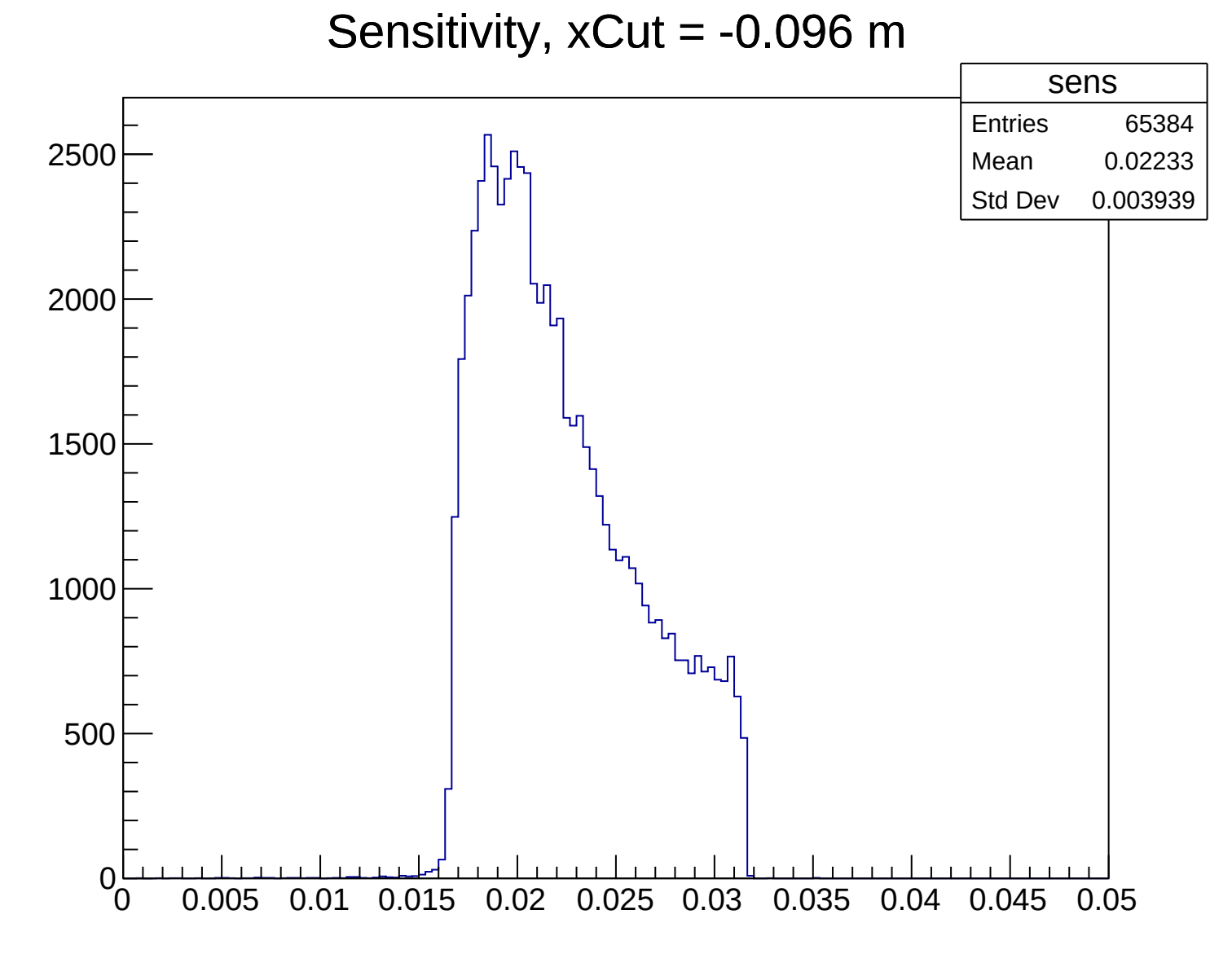

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

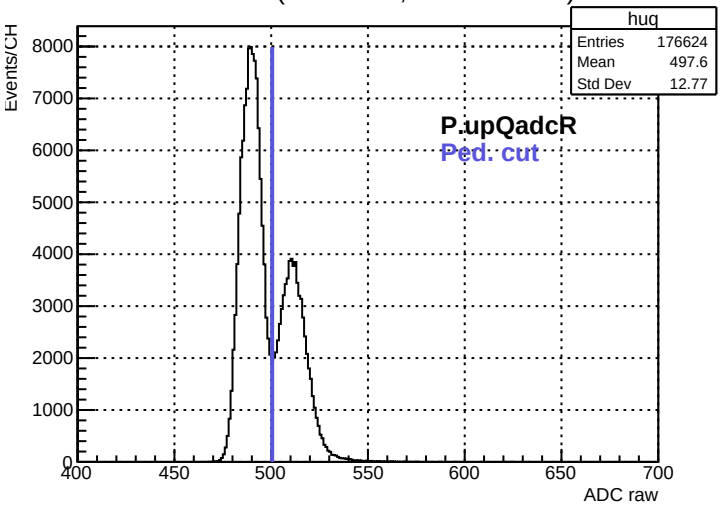

θlab (deg), xCut = -0.096 m
Theta
Entries 65384
Mean 4.795
Std Dev 0.461
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

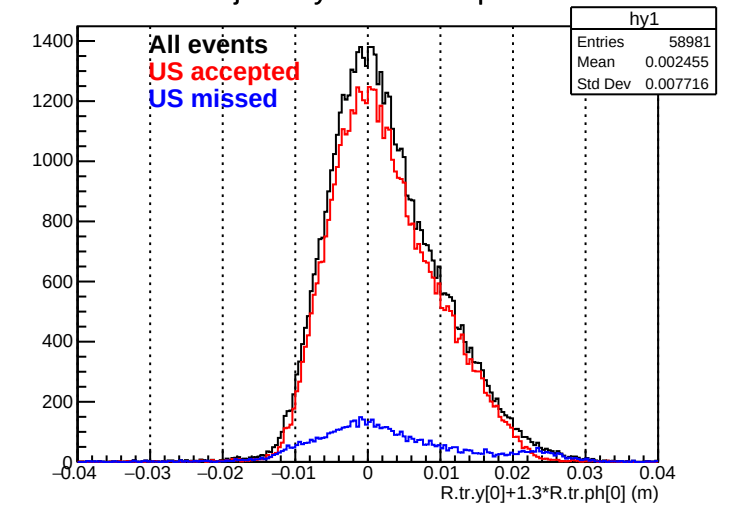

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 65384
Mean 0.572
Std Dev 0.08077
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

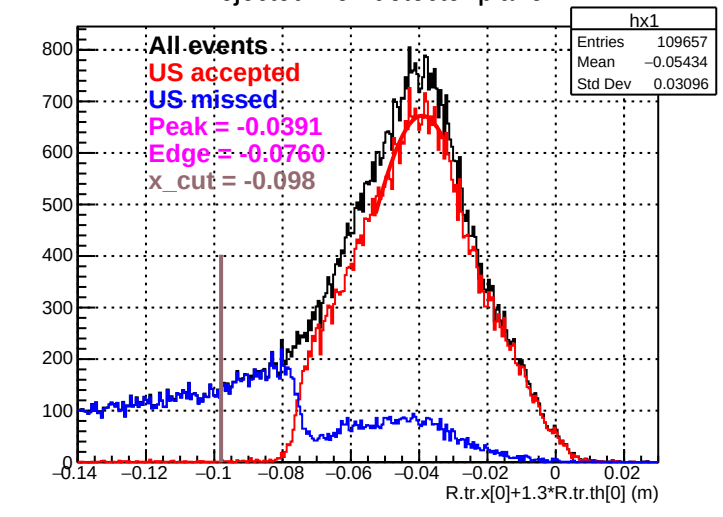

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 65384
Mean 0.559
Std Dev 0.07696
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

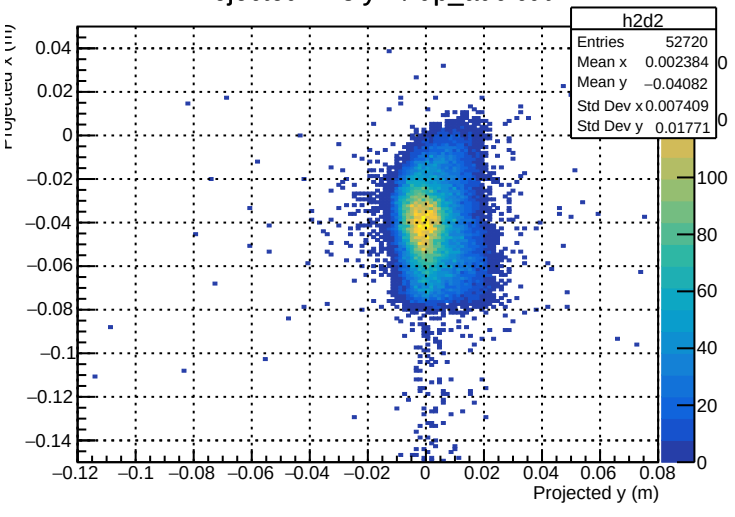

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 65384
Mean 0.006353
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

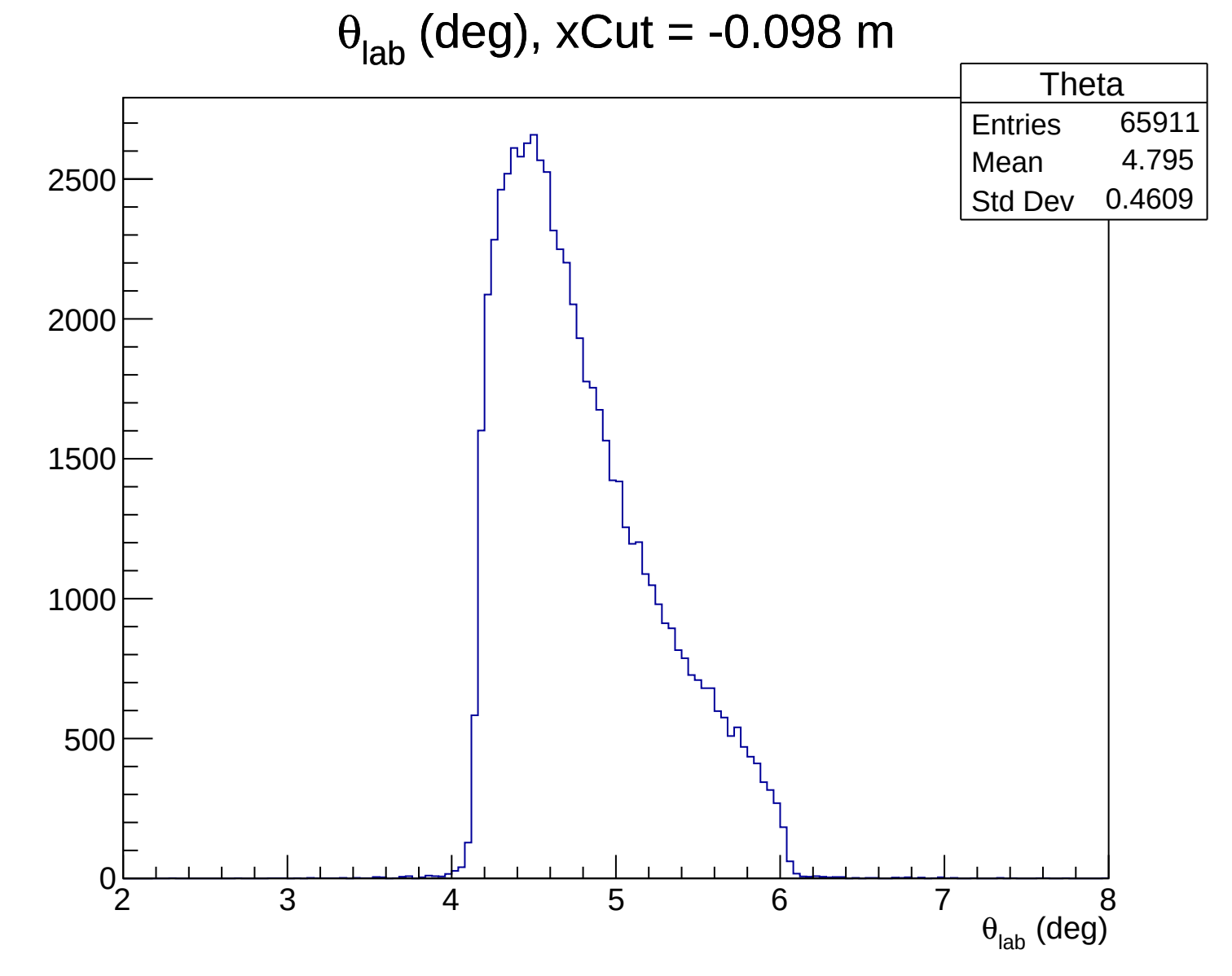

Sensitivity, xCut = -0.096 m
sens
Entries 65384
Mean 0.02233
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

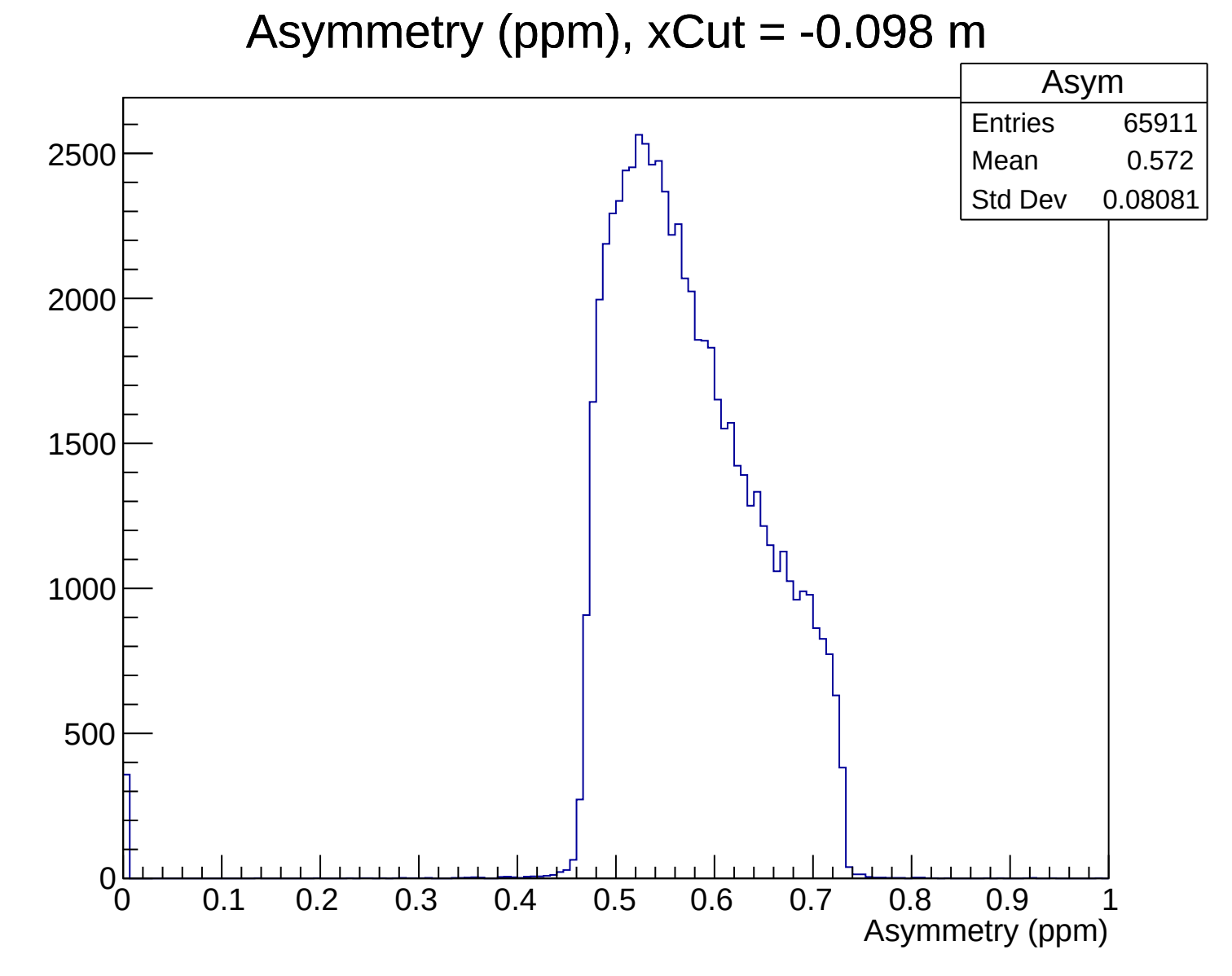

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

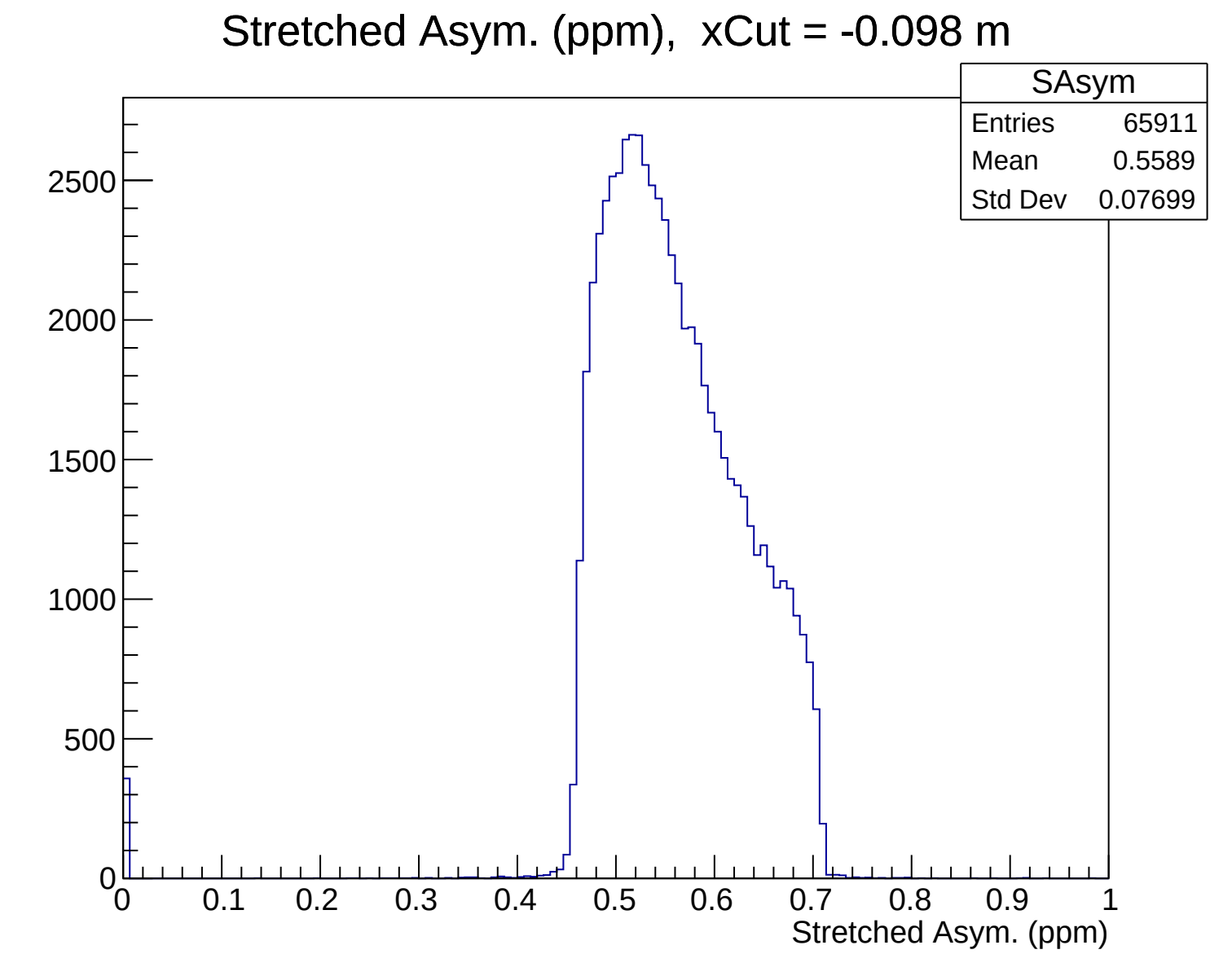

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

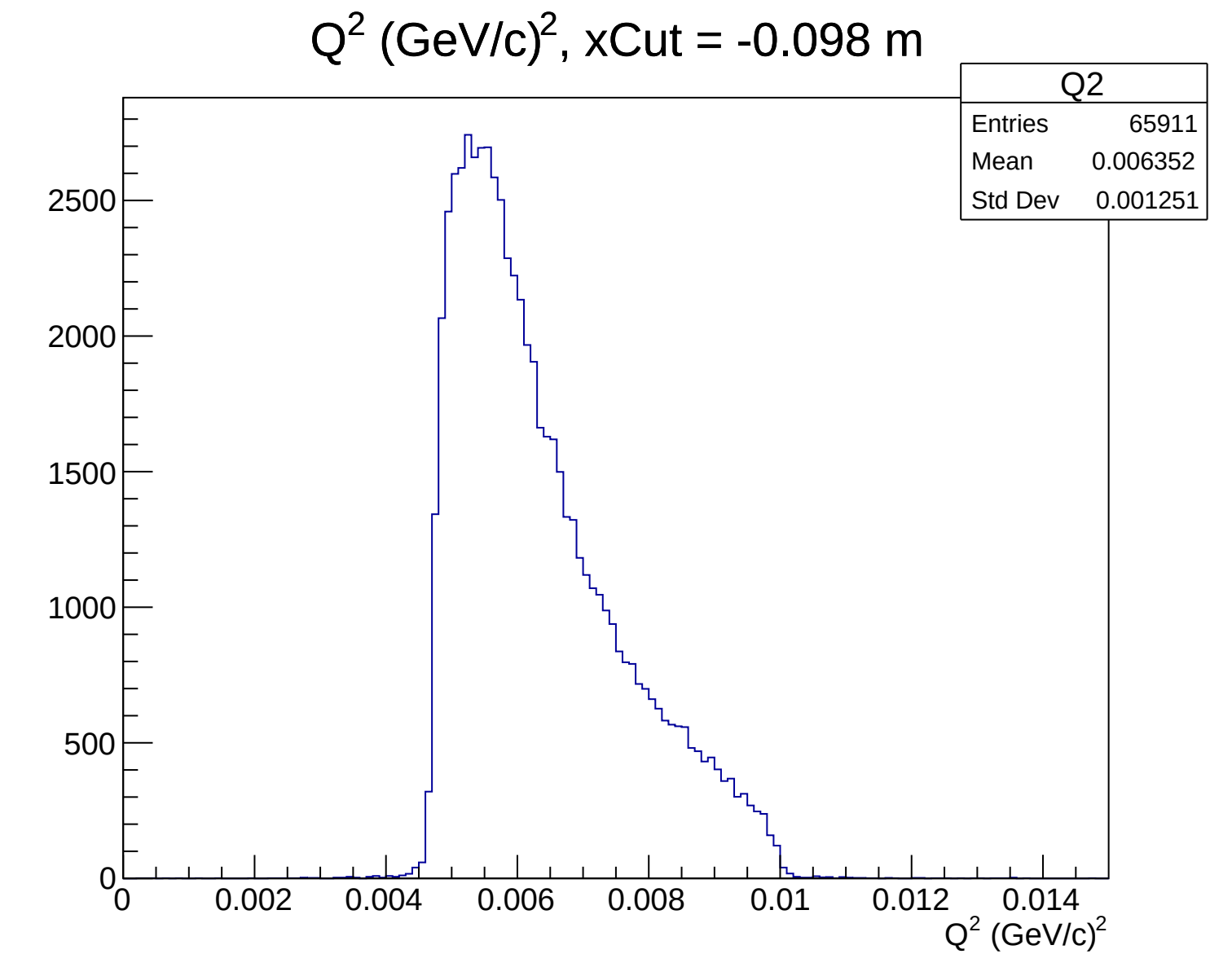

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.098
R.tr.x[0]+1.3*R.tr.th[0] (m)

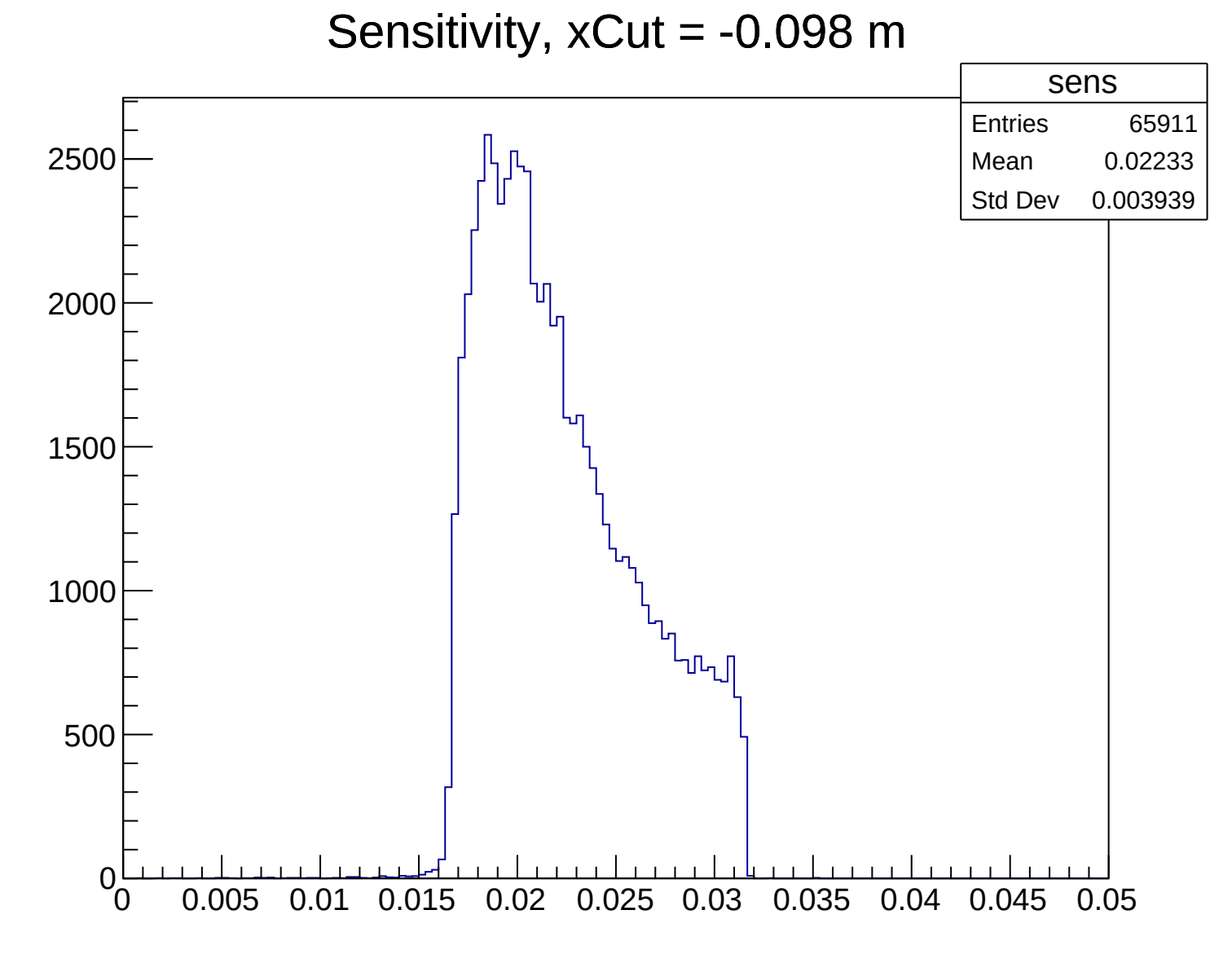

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

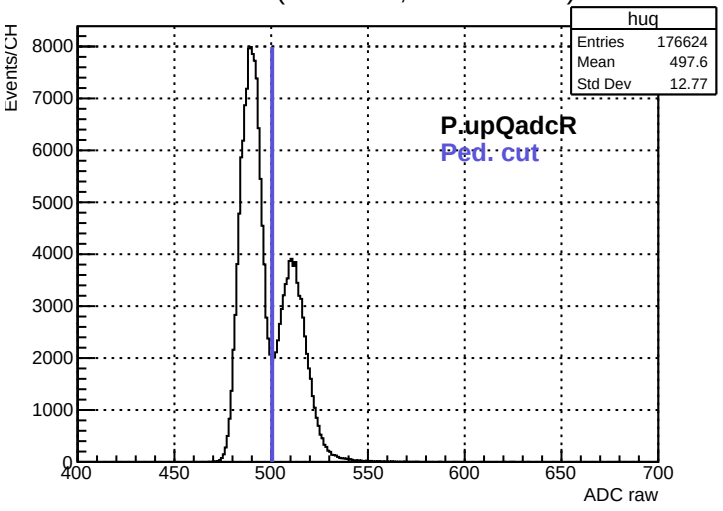

θlab (deg), xCut = -0.098 m
Theta
Entries 65911
Mean 4.795
Std Dev 0.4609
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

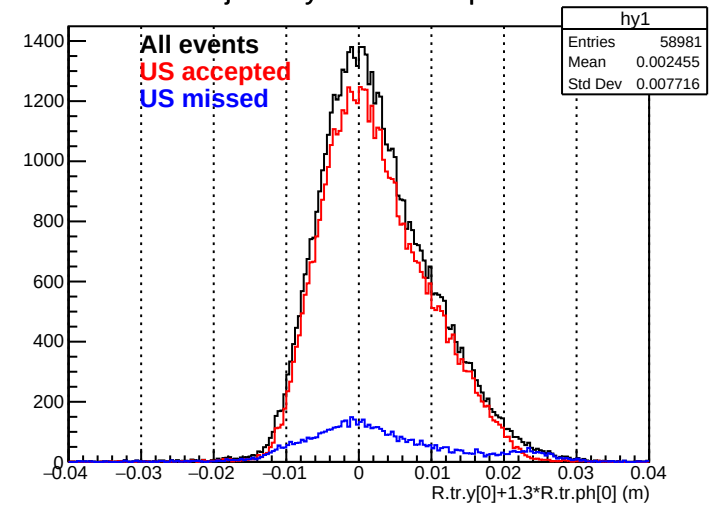

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 65911
Mean 0.572
Std Dev 0.08081
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

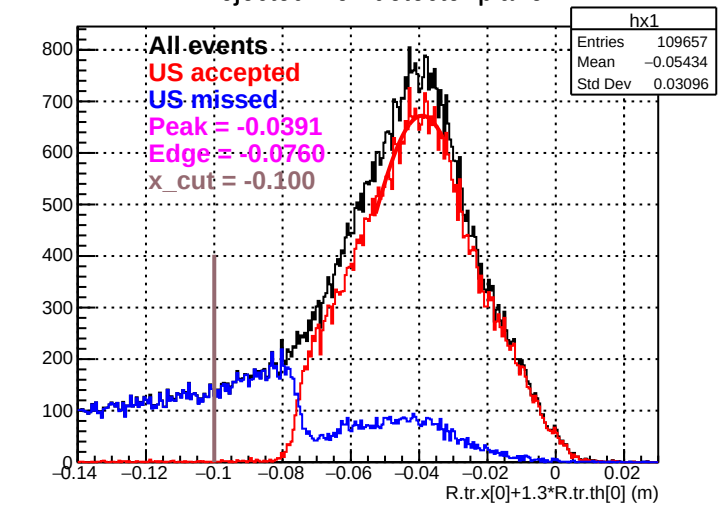

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 65911
Mean 0.5589
Std Dev 0.07699
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

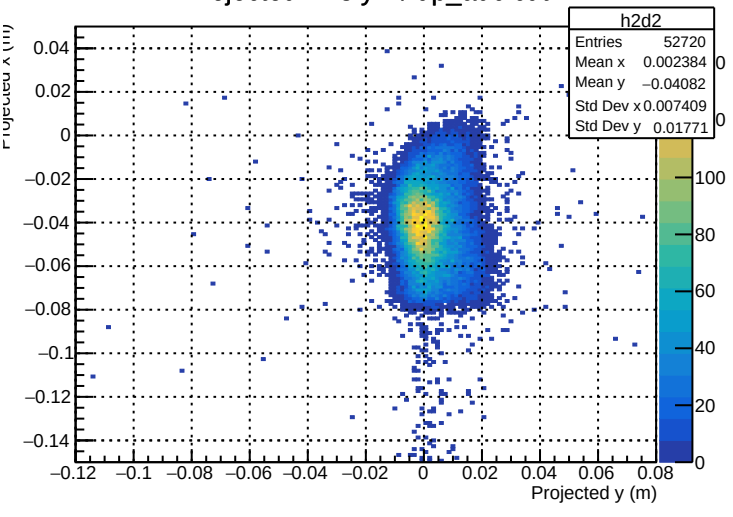

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 65911
Mean 0.006352
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

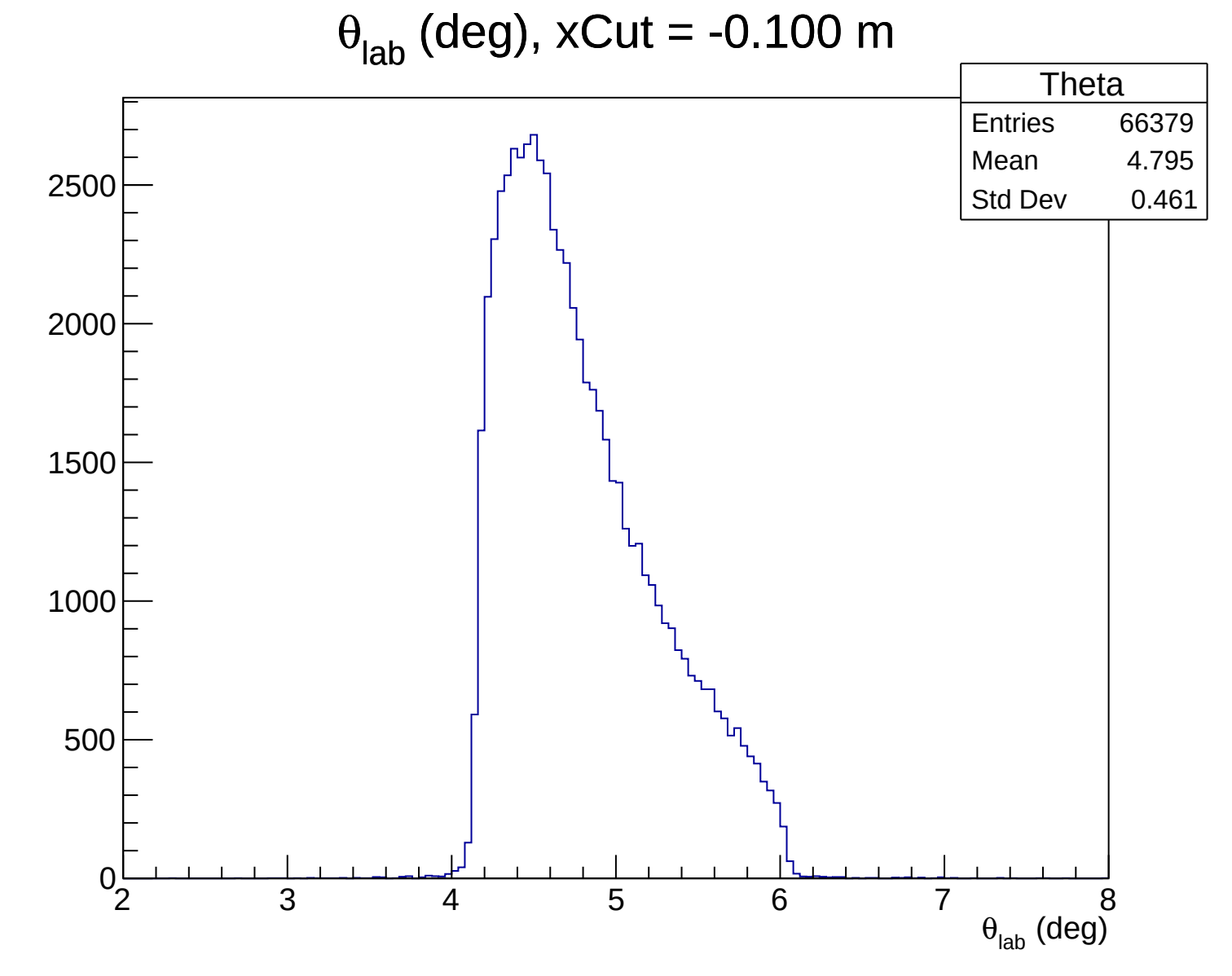

Sensitivity, xCut = -0.098 m
sens
Entries 65911
Mean 0.02233
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

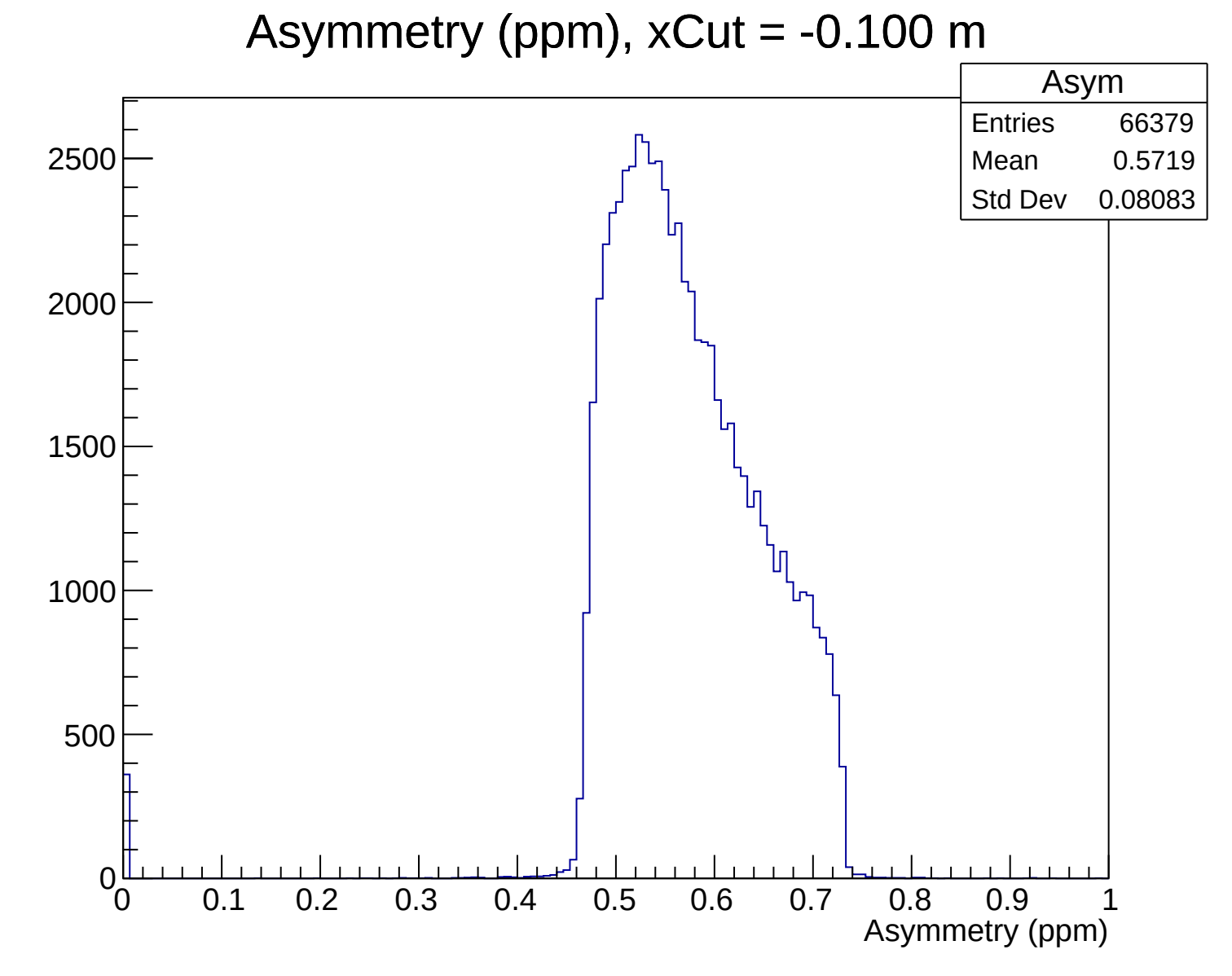

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

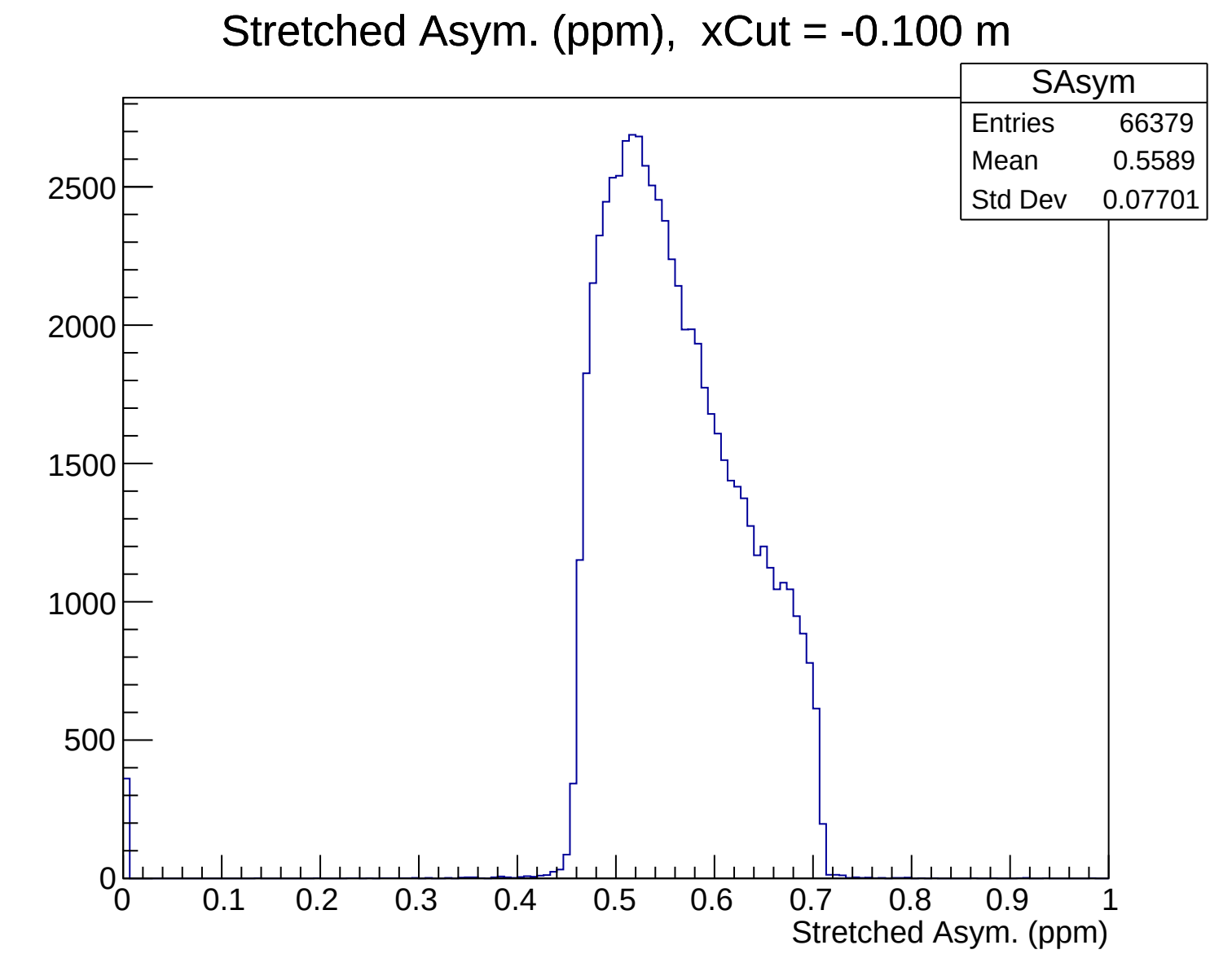

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

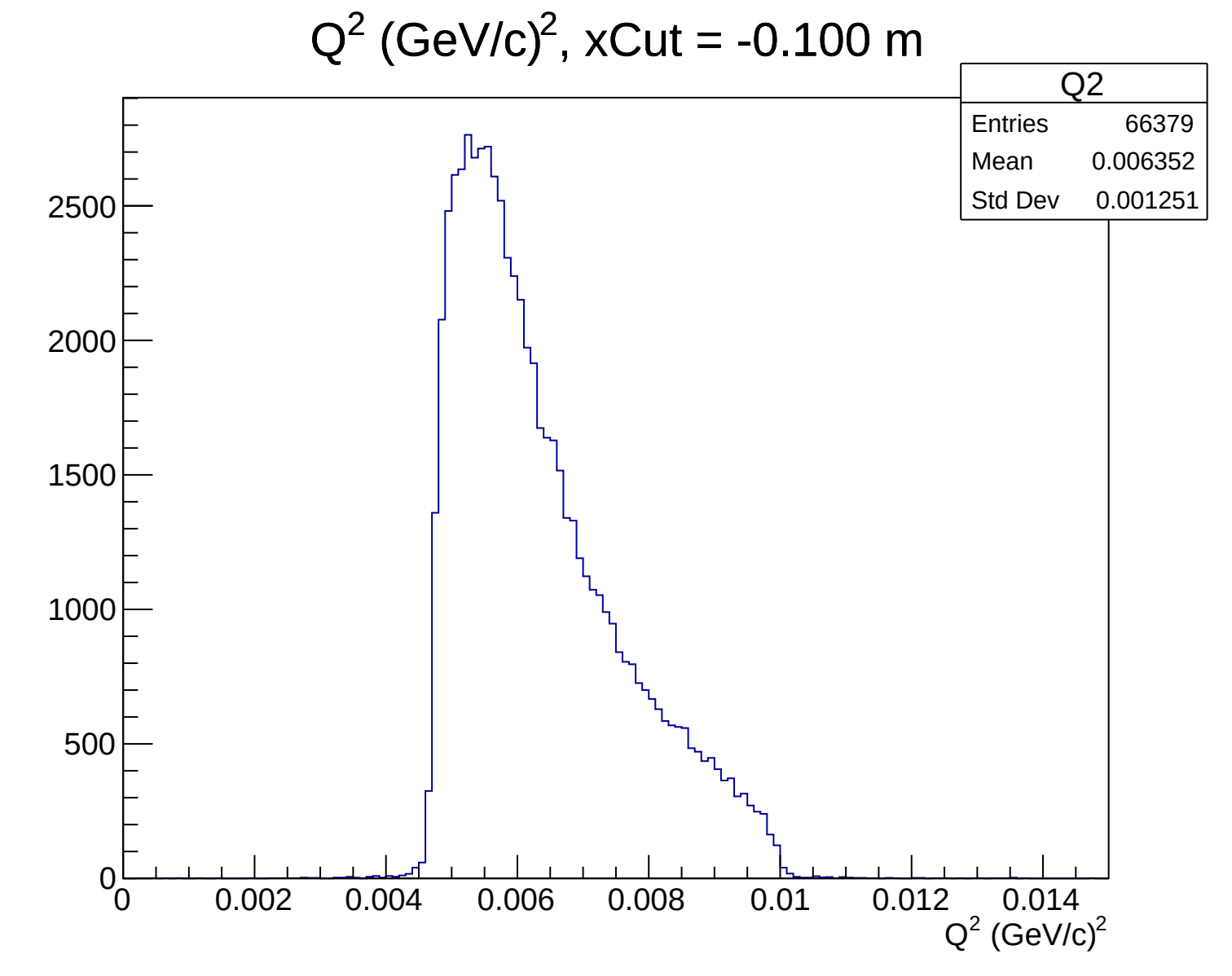

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.100
R.tr.x[0]+1.3*R.tr.th[0] (m)

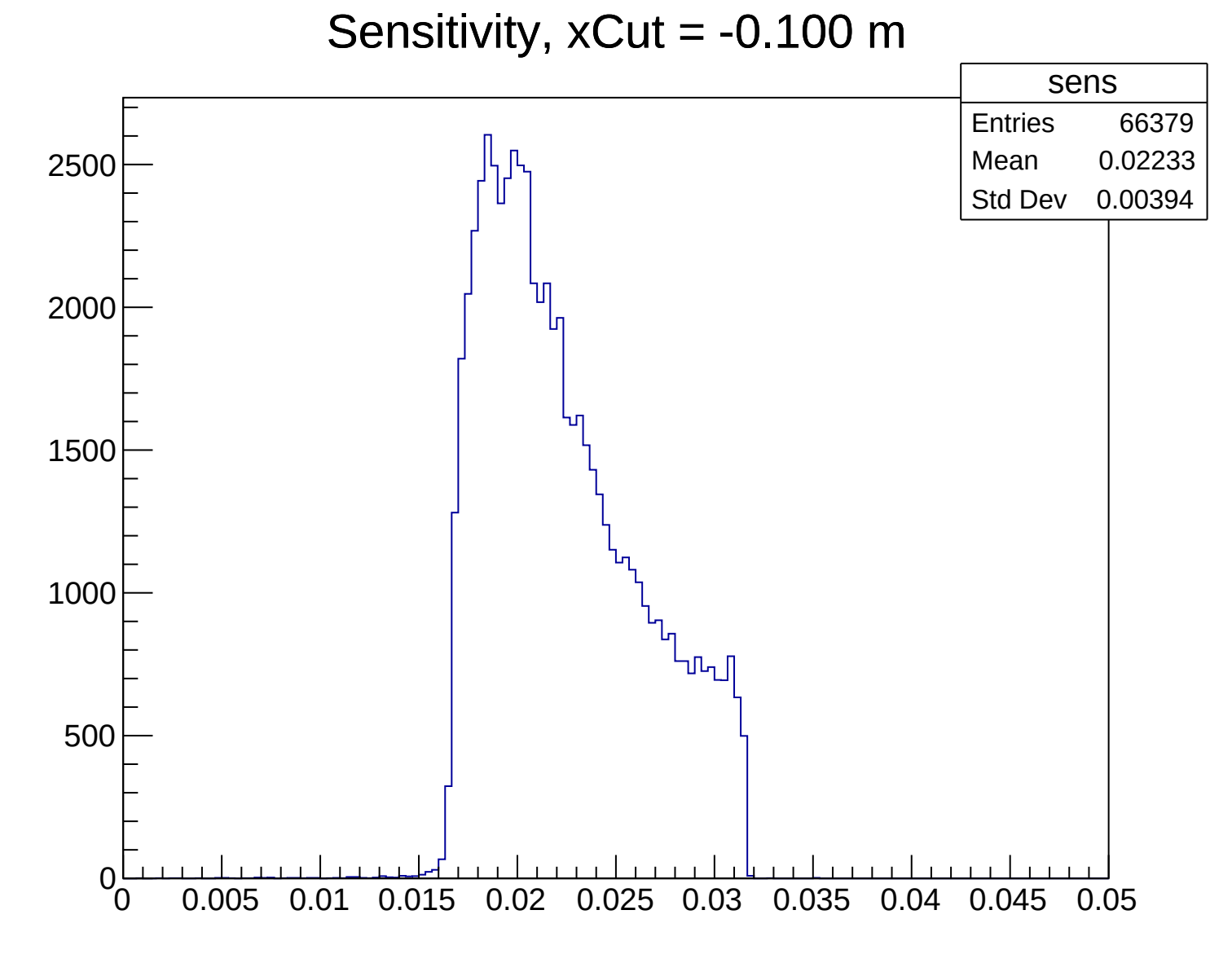

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

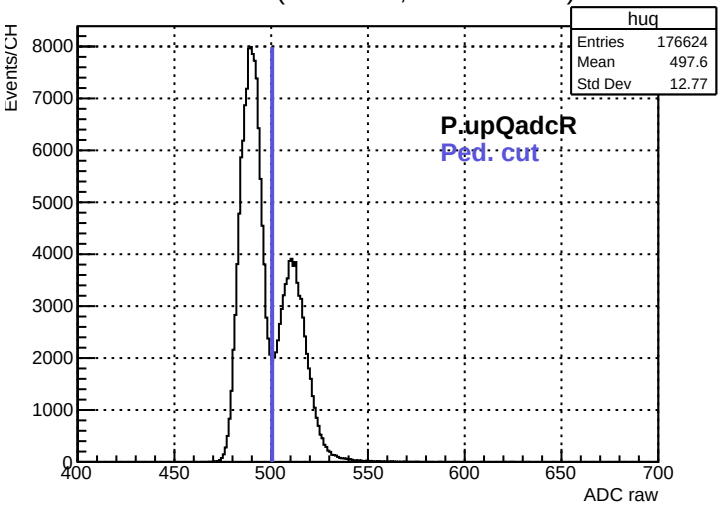

θlab (deg), xCut = -0.100 m
Theta
Entries 66379
Mean 4.795
Std Dev 0.461
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

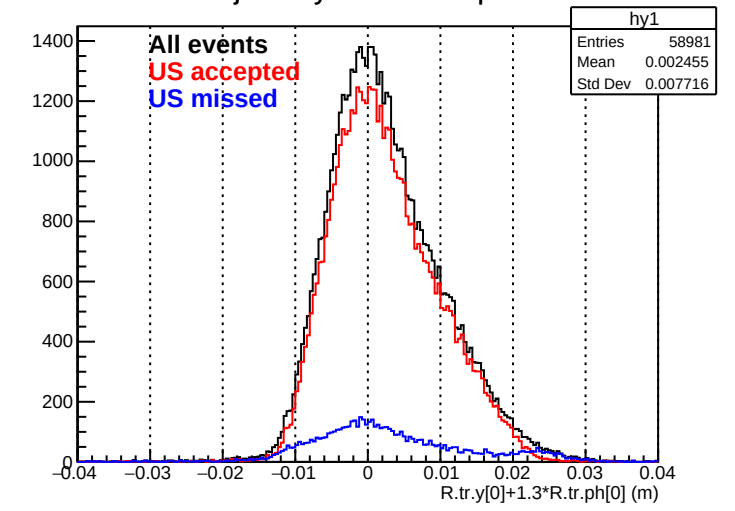

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 66379
Mean 0.5719
Std Dev 0.08083
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

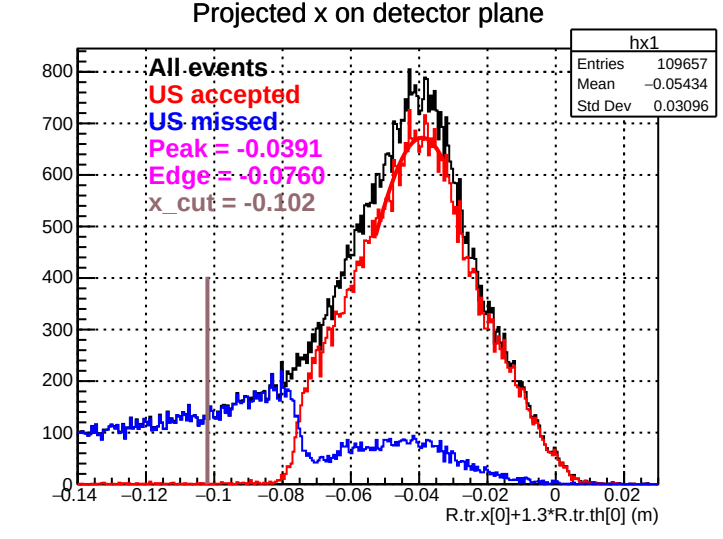

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 66379
Mean 0.5589
Std Dev 0.07701
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

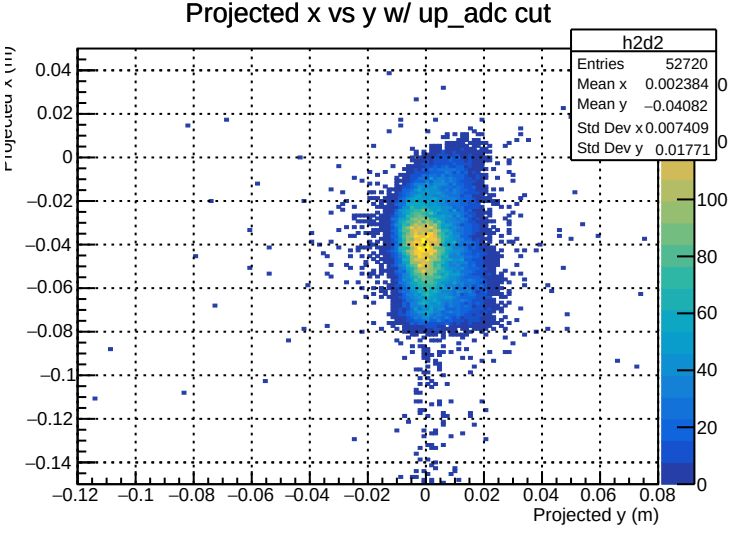

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 66379
Mean 0.006352
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

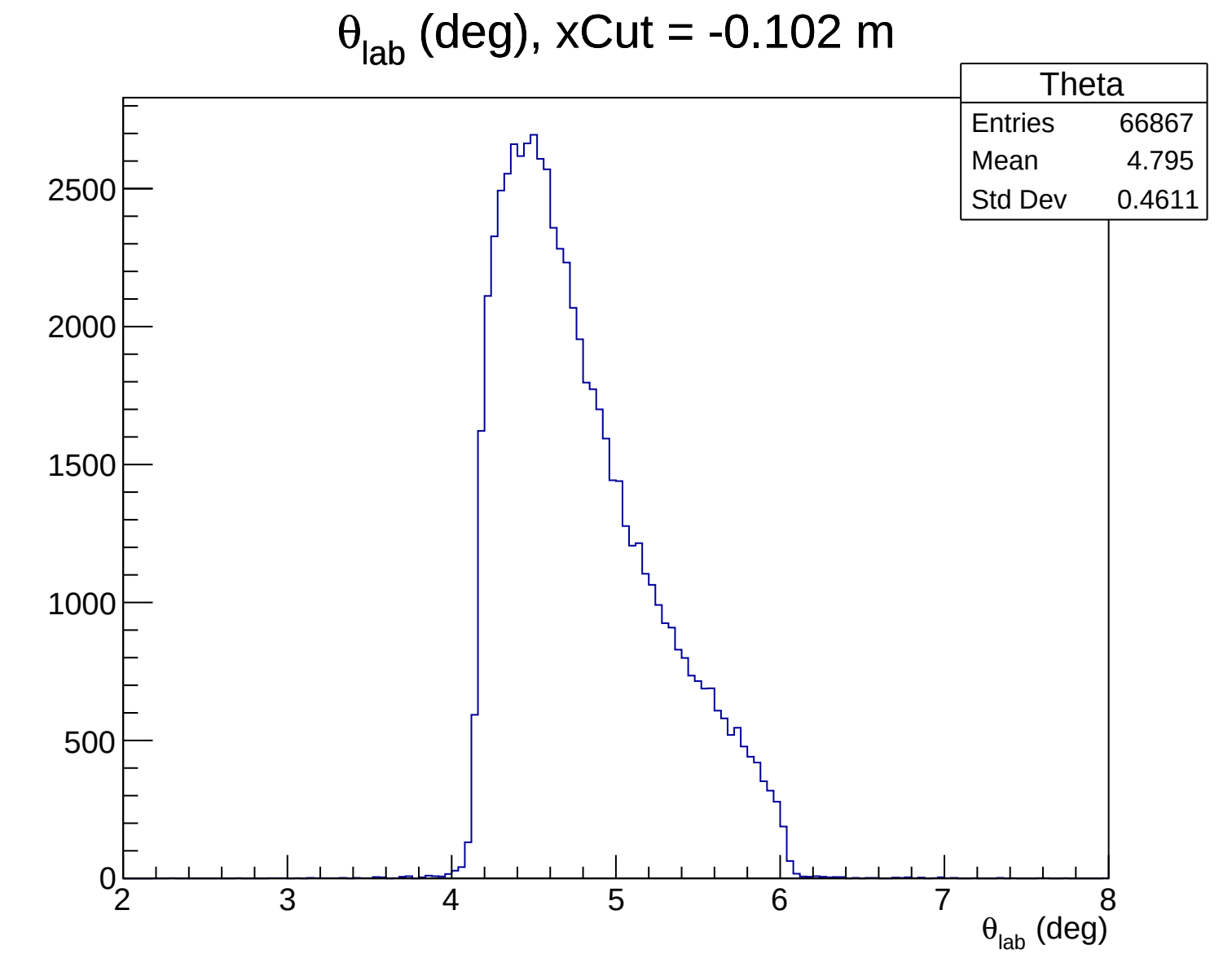

Sensitivity, xCut = -0.100 m
sens
Entries 66379
Mean 0.02233
Std Dev 0.00394
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

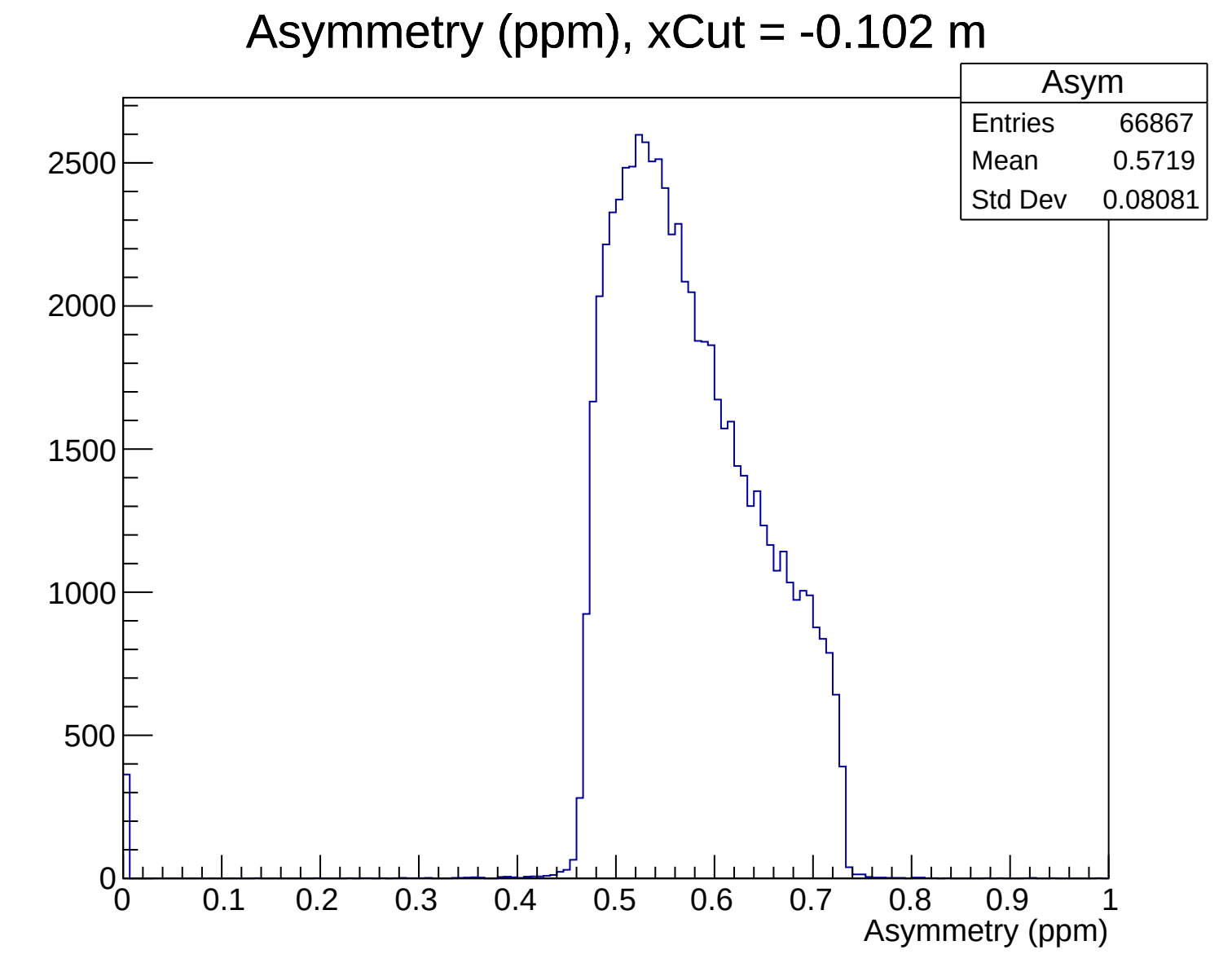

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

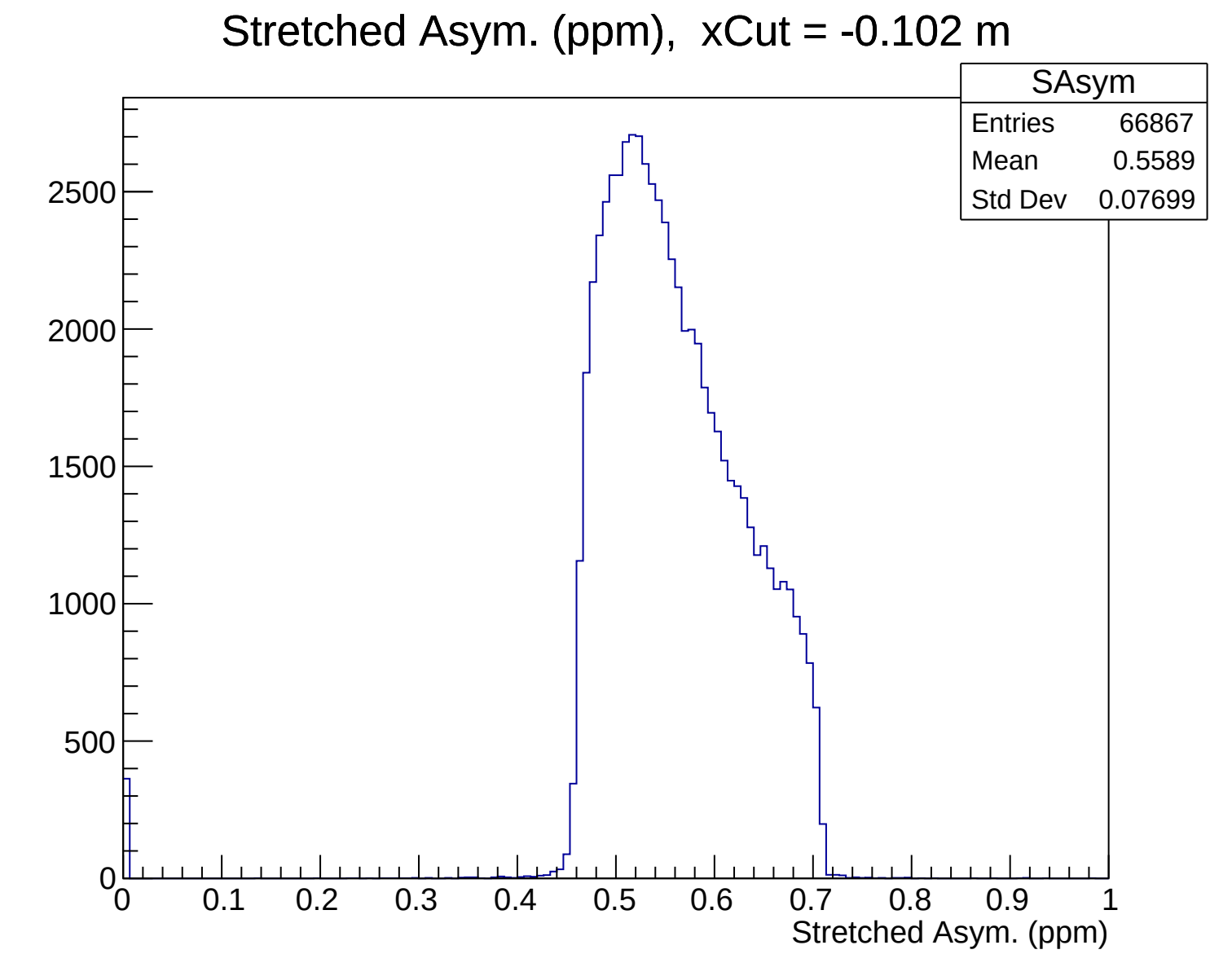

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

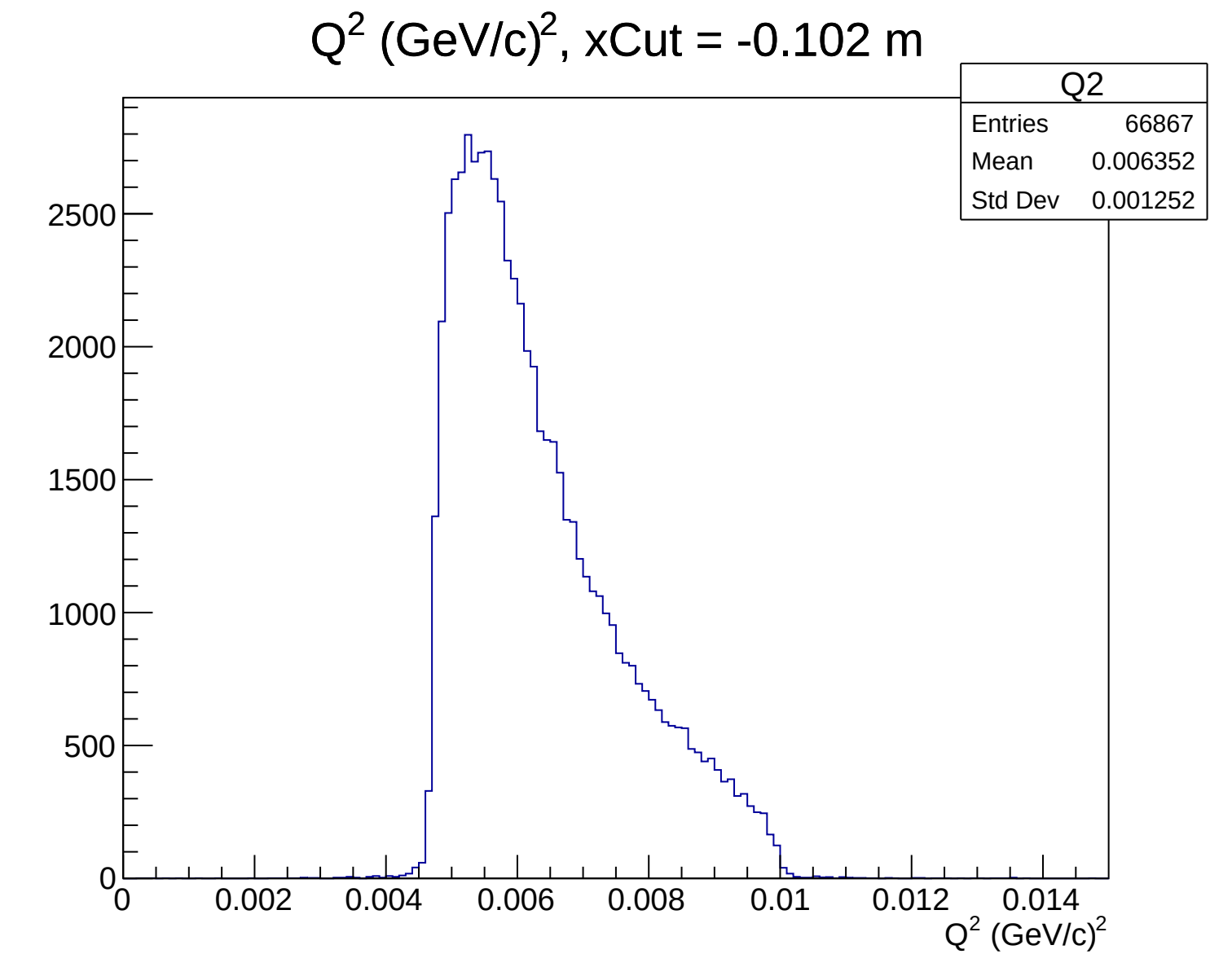

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.102
R.tr.x[0]+1.3*R.tr.th[0] (m)

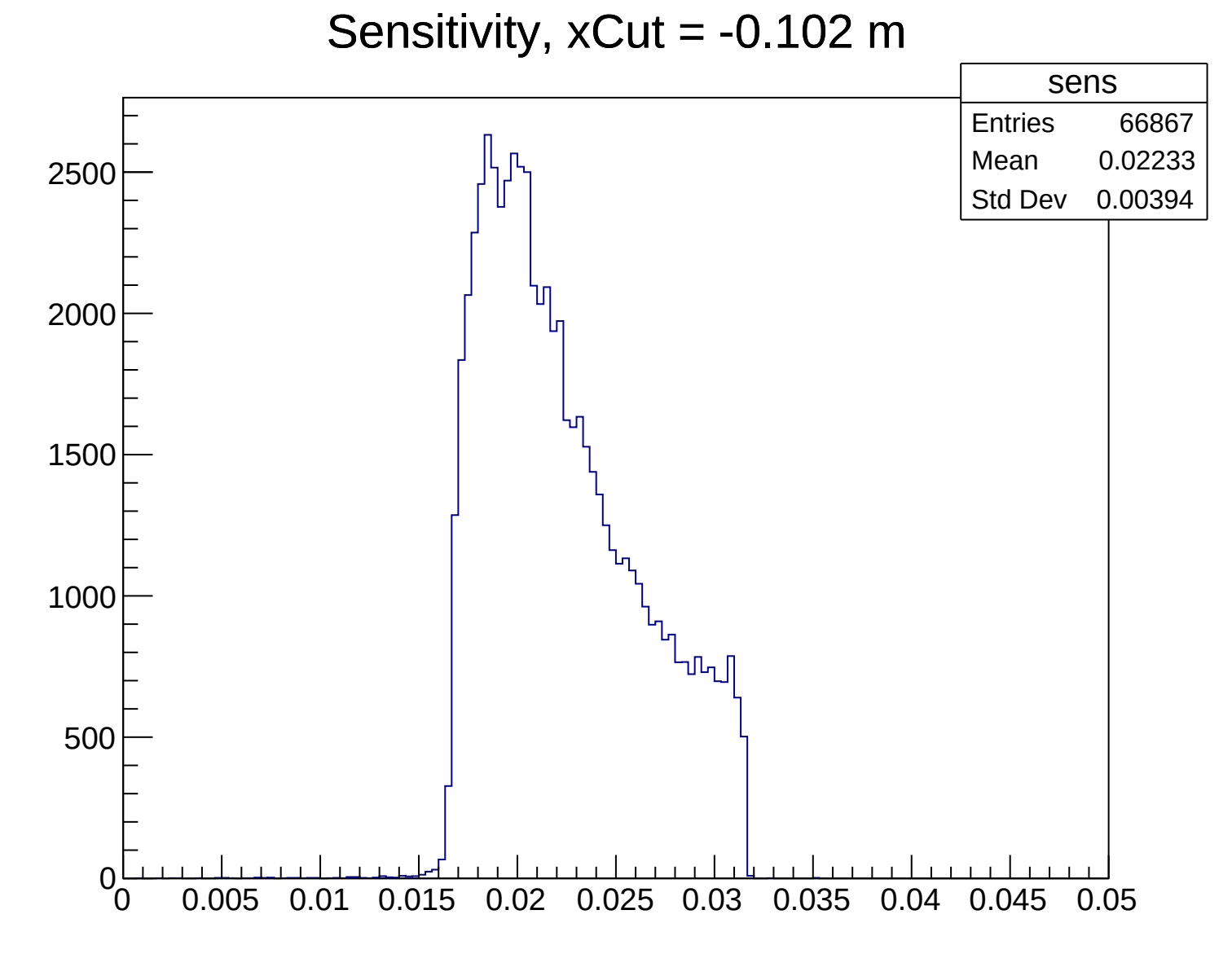

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

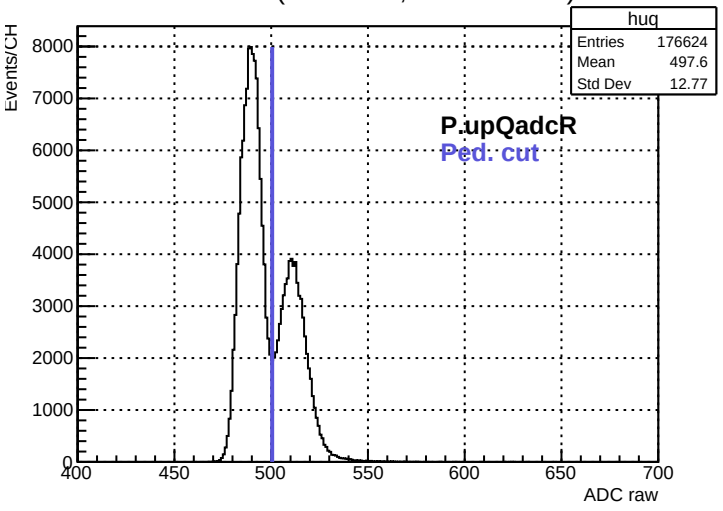

θlab (deg), xCut = -0.102 m
Theta
Entries 66867
Mean 4.795
Std Dev 0.4611
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

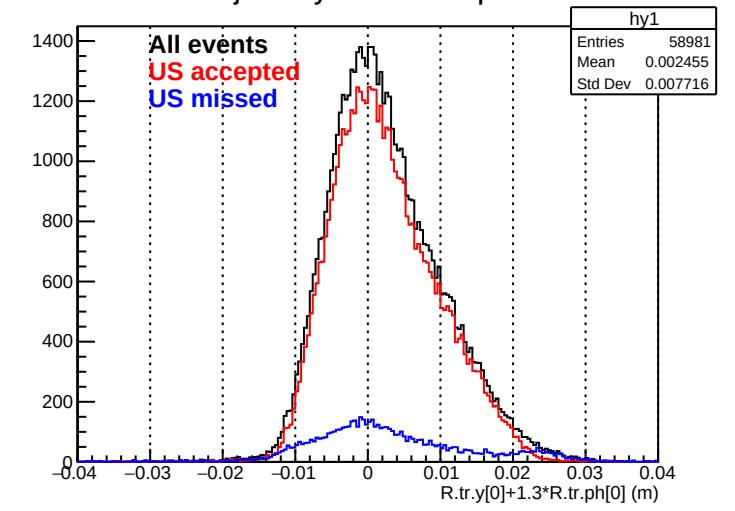

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 66867
Mean 0.5719
Std Dev 0.08081
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

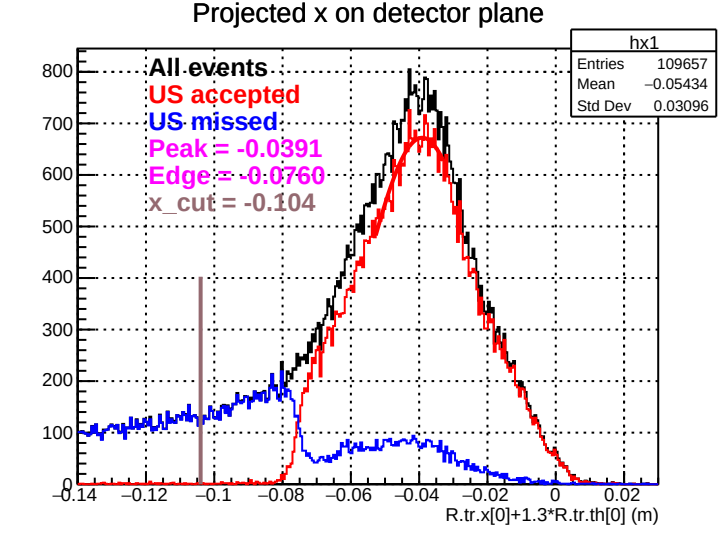

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 66867
Mean 0.5589
Std Dev 0.07699
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

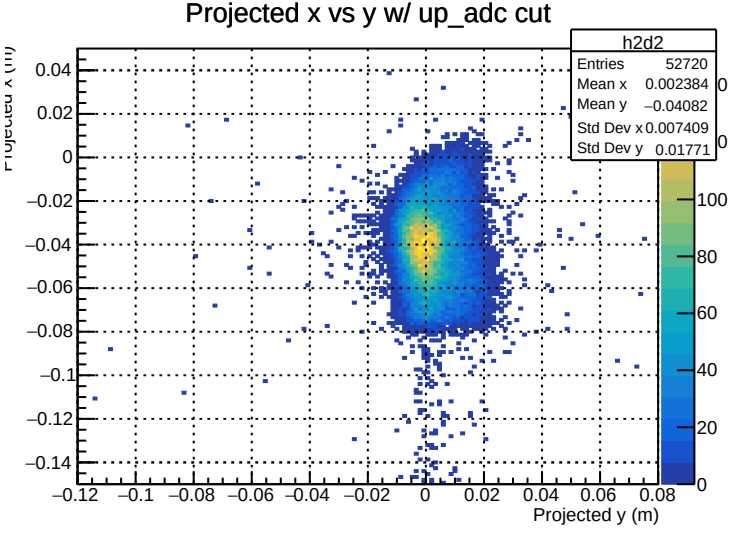

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 66867
Mean 0.006352
Std Dev 0.001252
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

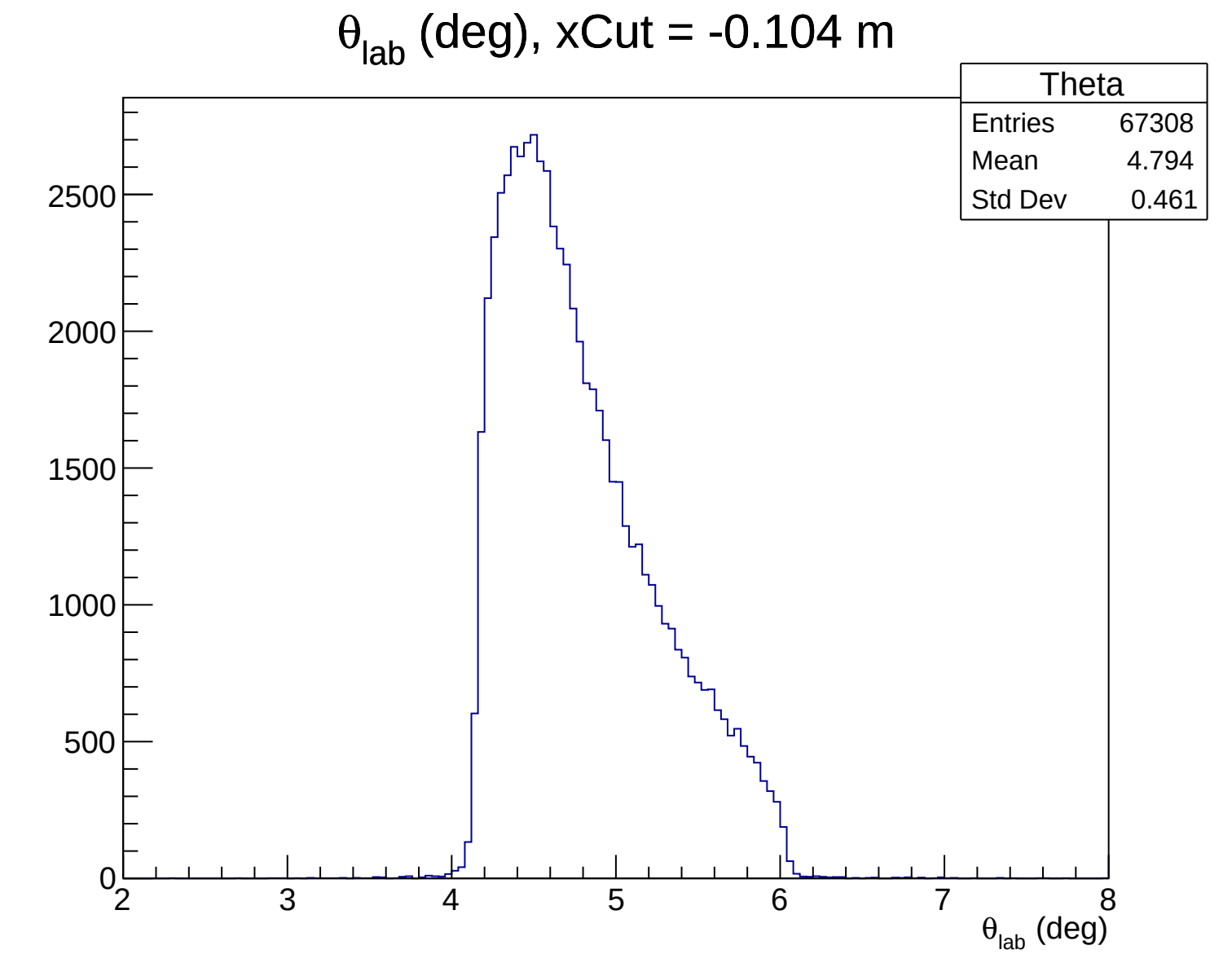

Sensitivity, xCut = -0.102 m
sens
Entries 66867
Mean 0.02233
Std Dev 0.00394
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

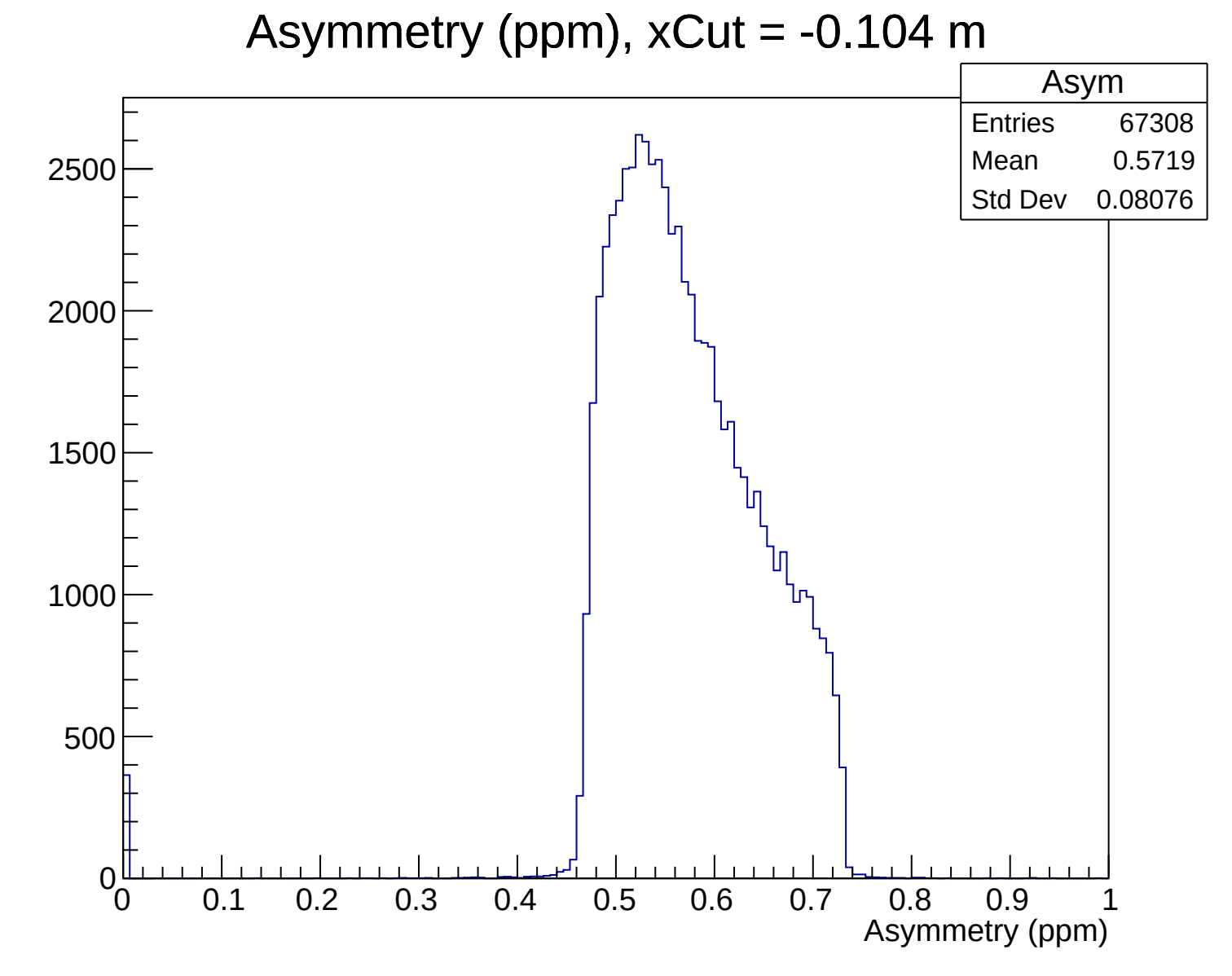

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

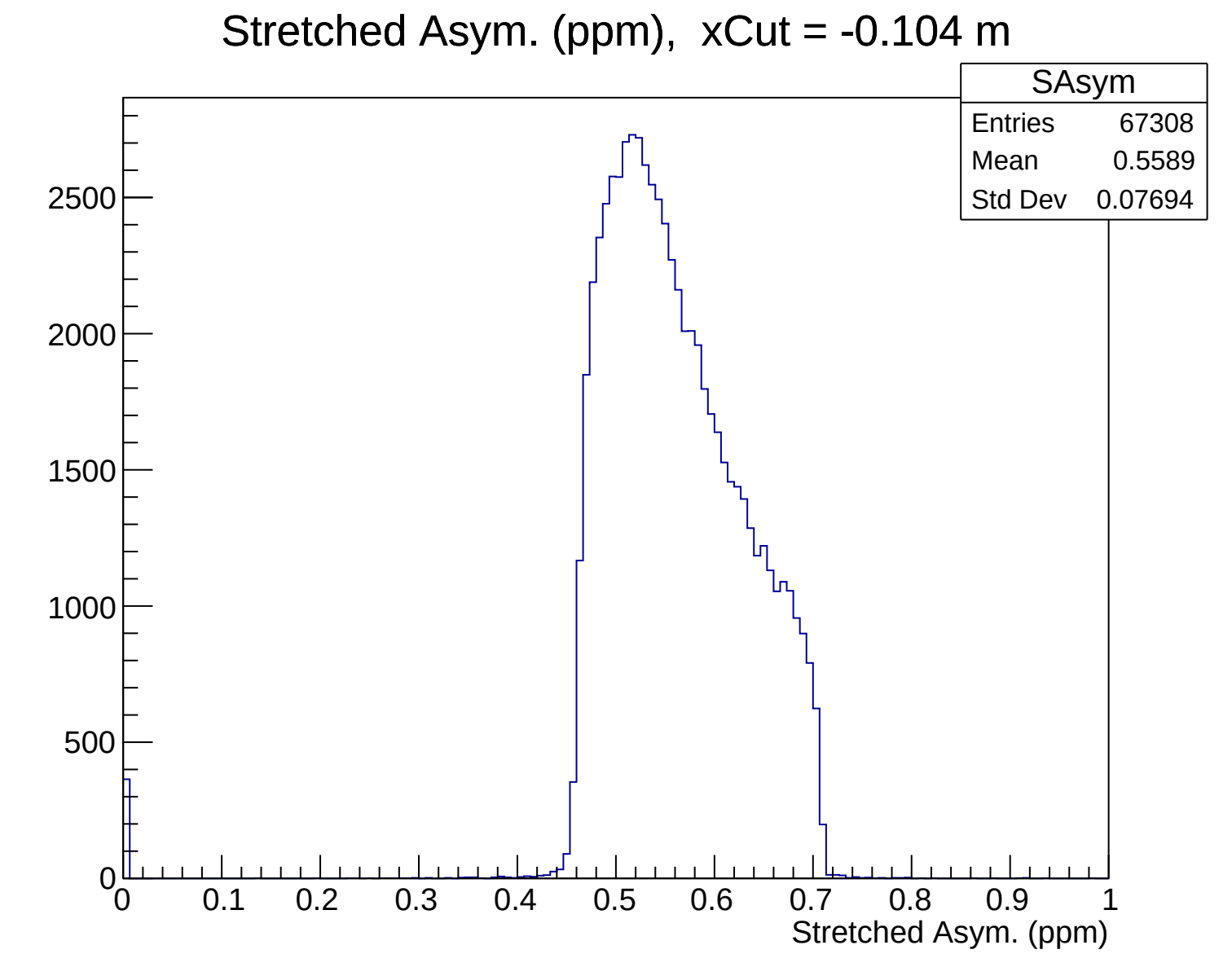

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

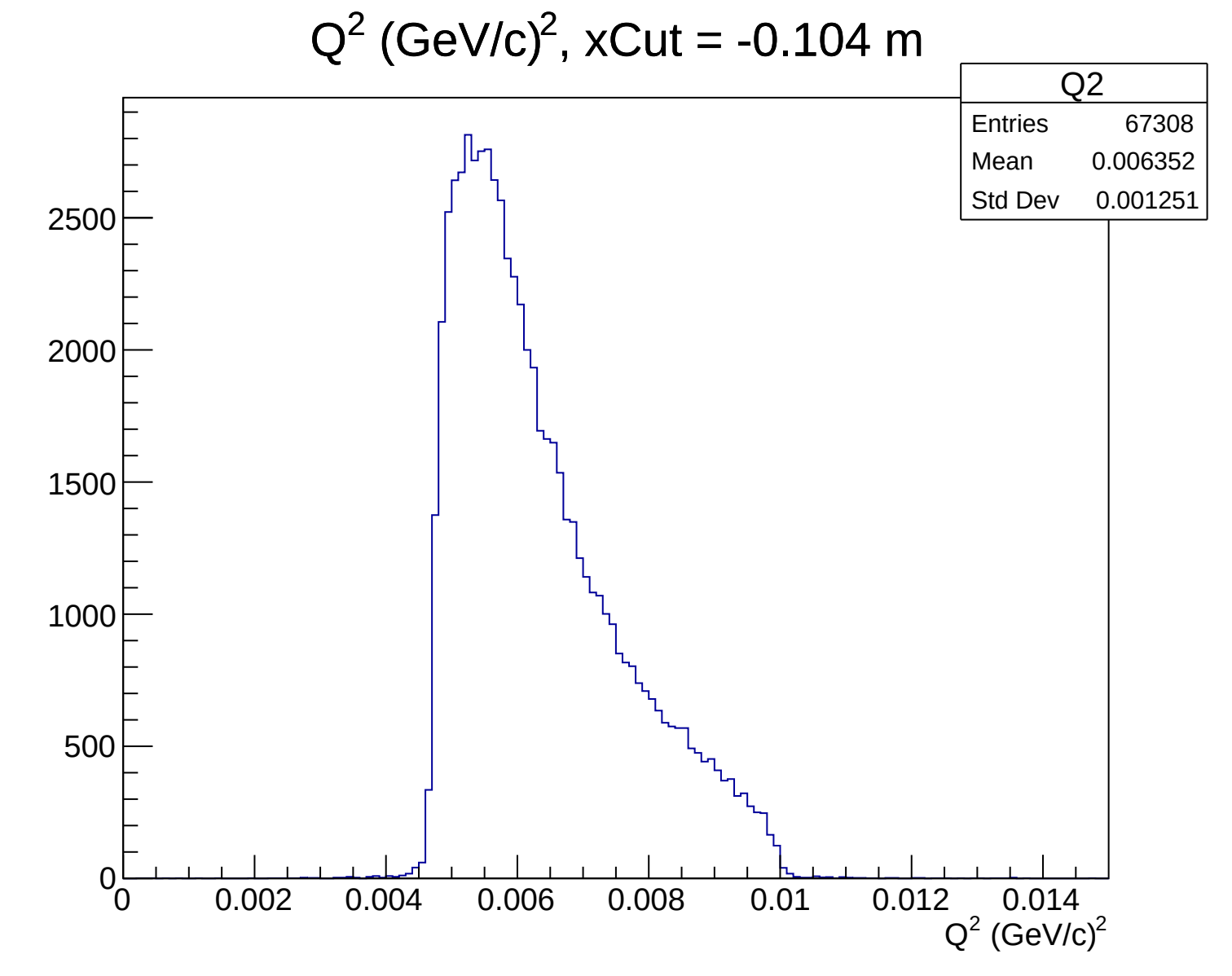

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.104
R.tr.x[0]+1.3*R.tr.th[0] (m)

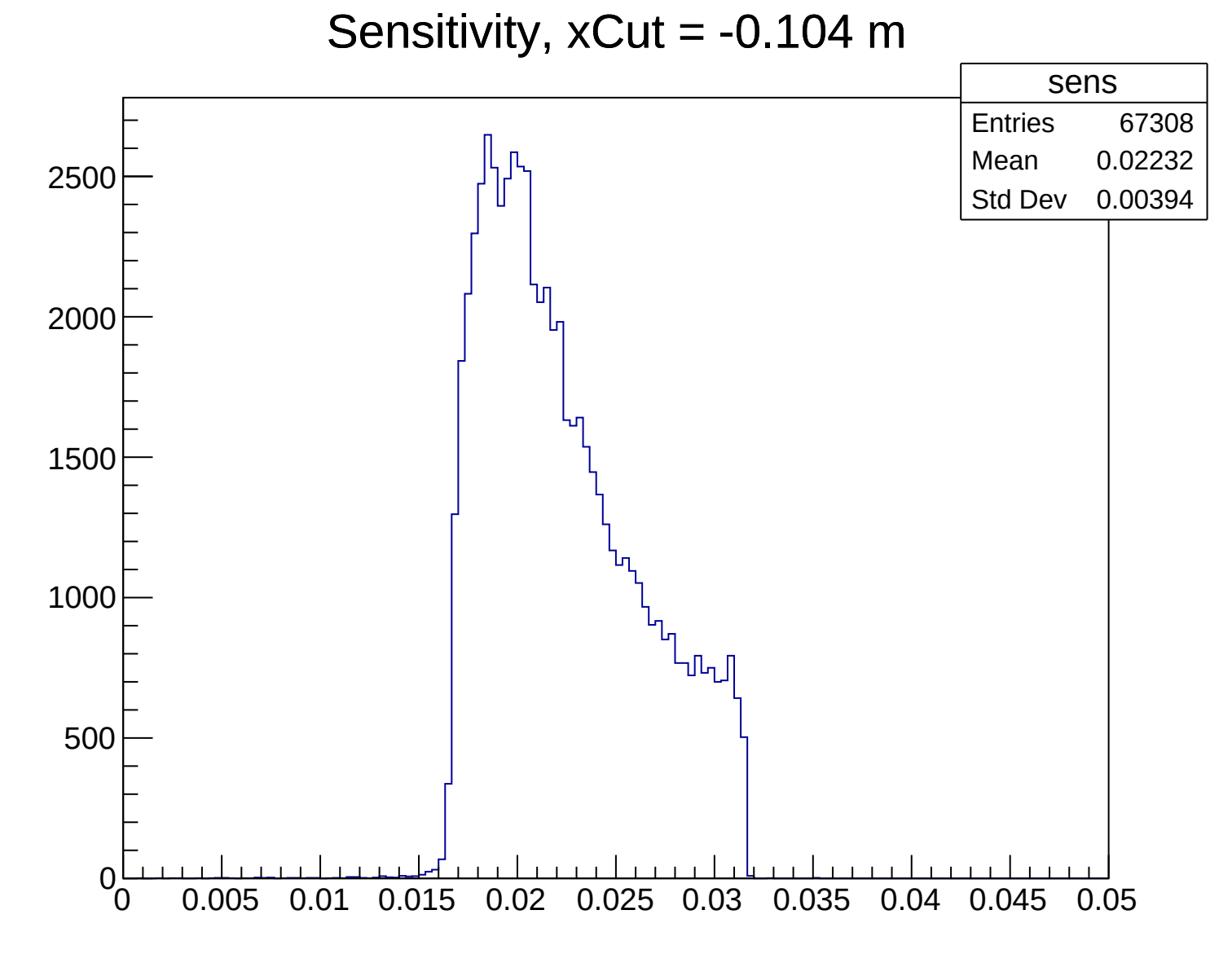

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (th)
Projected y (m)

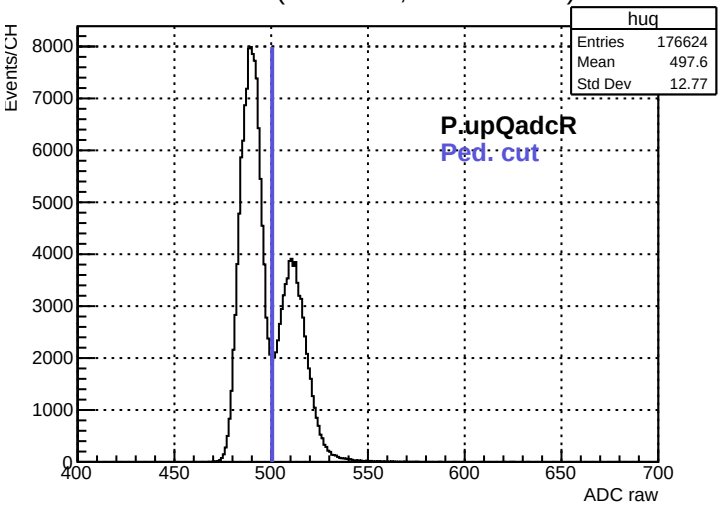

θlab (deg), xCut = -0.104 m
Theta
Entries 67308
Mean 4.794
Std Dev 0.461
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

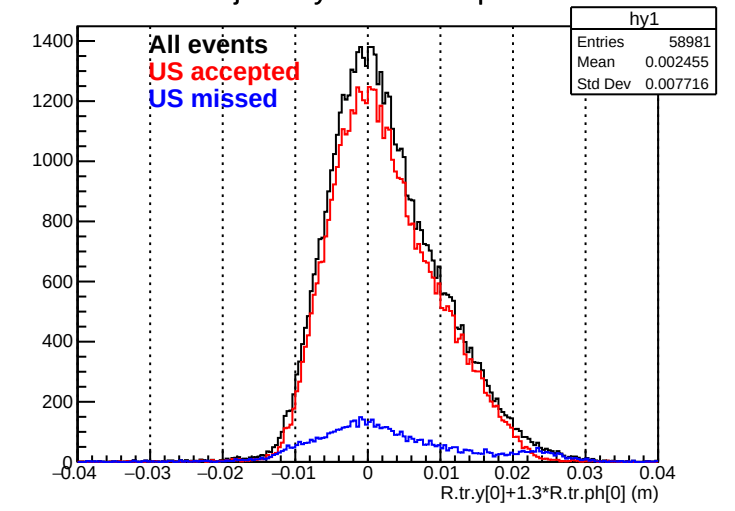

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 67308
Mean 0.5719
Std Dev 0.08076
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

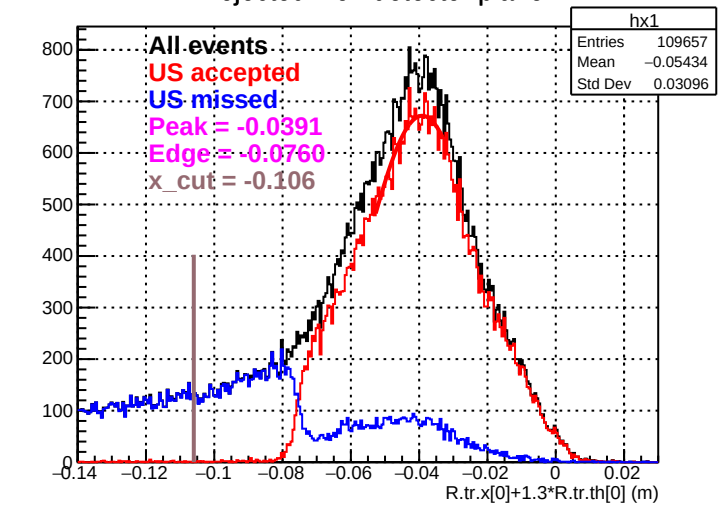

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 67308
Mean 0.5589
Std Dev 0.07694
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

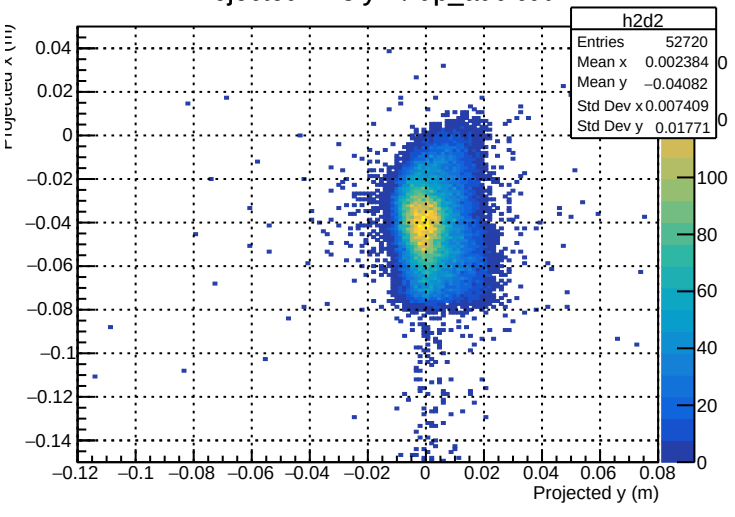

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 67308
Mean 0.006352
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

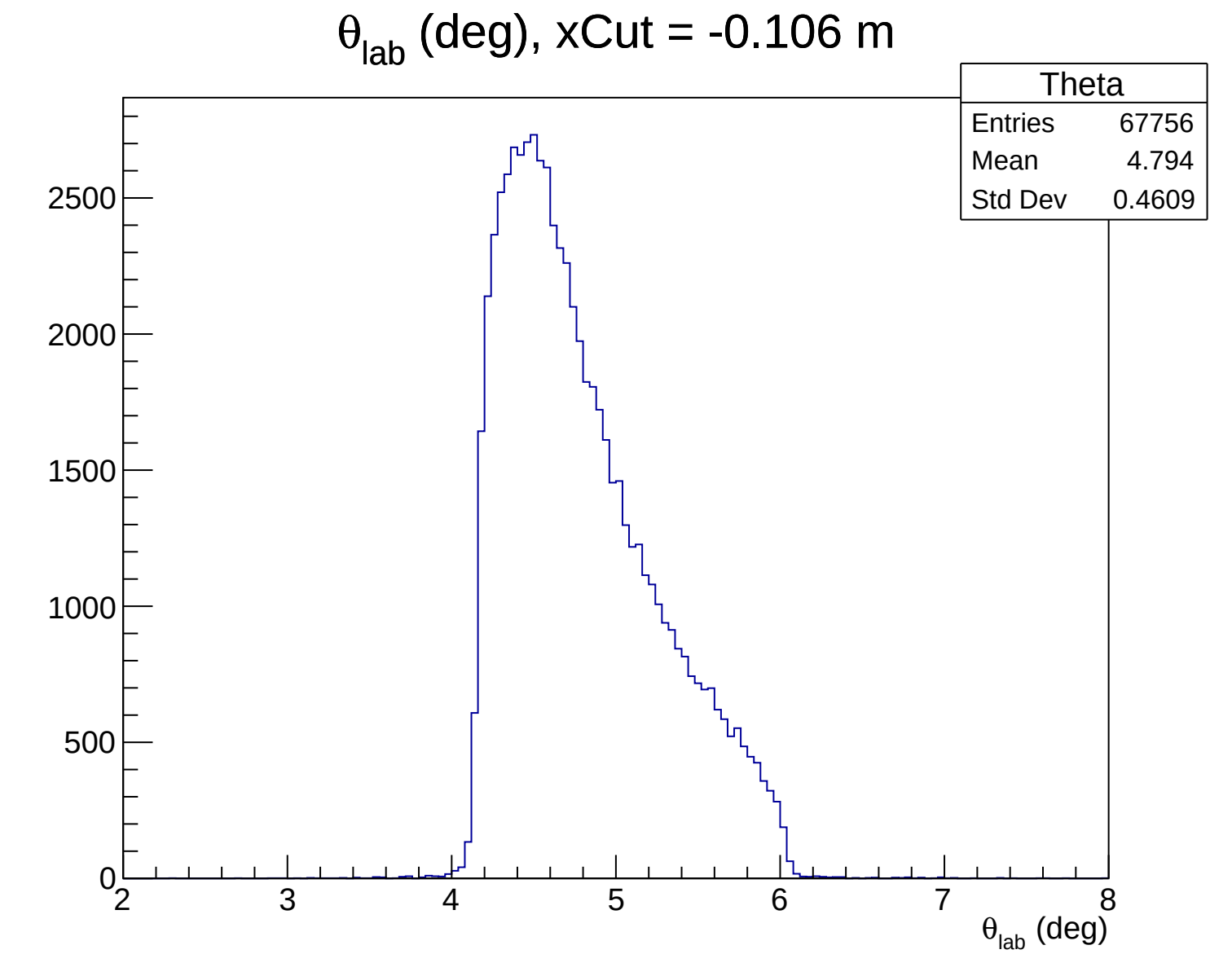

Sensitivity, xCut = -0.104 m
sens
Entries 67308
Mean 0.02232
Std Dev 0.00394
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

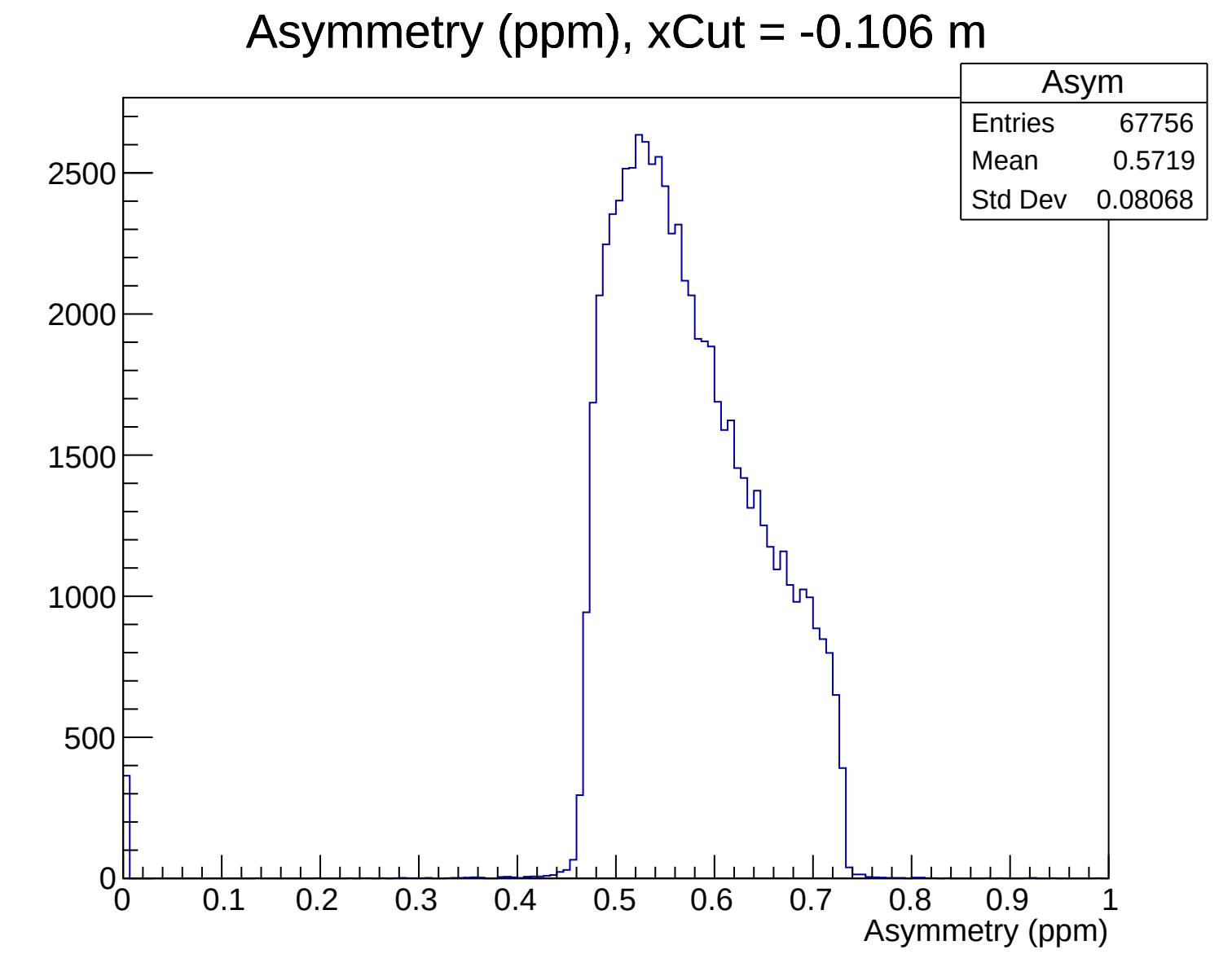

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

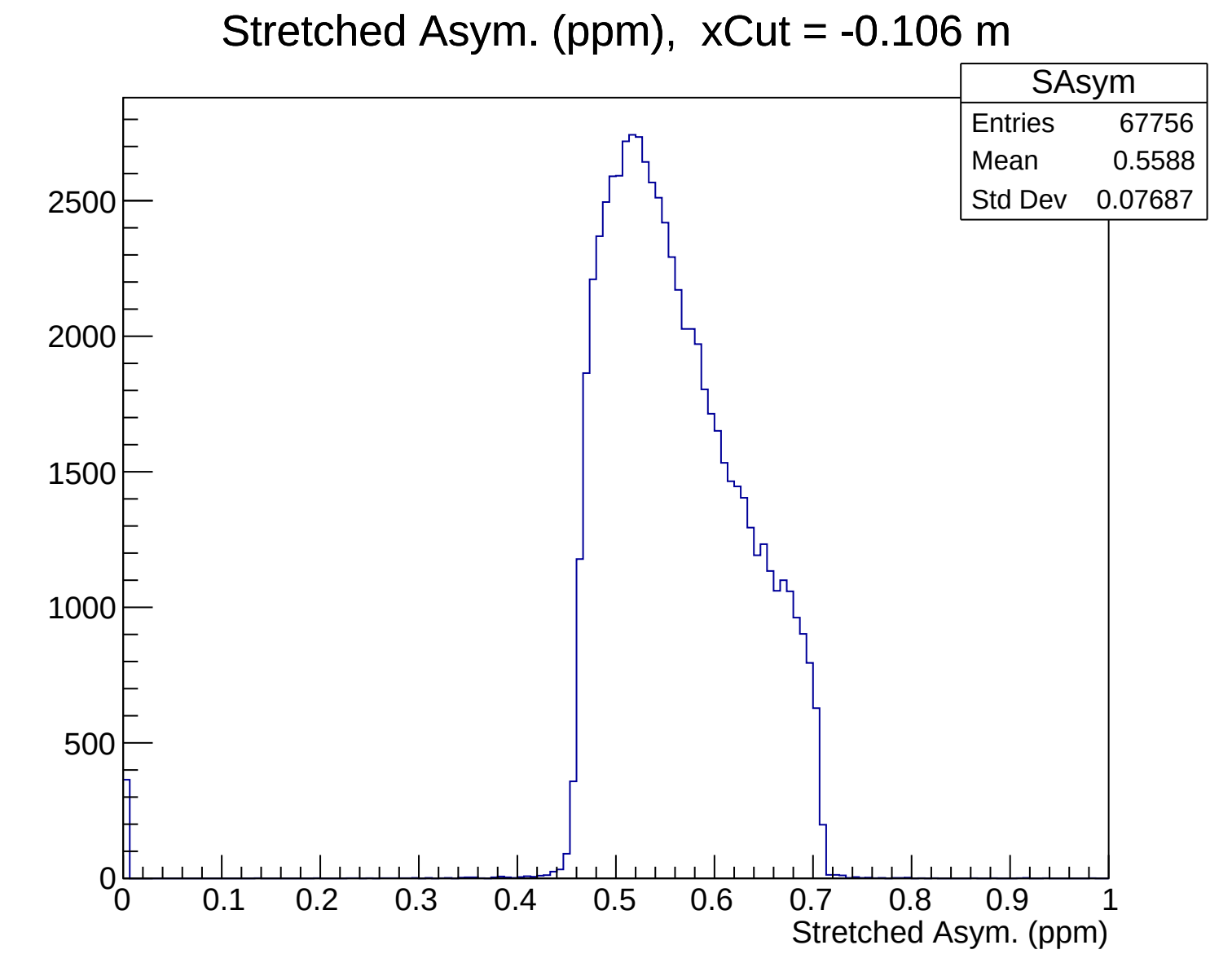

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

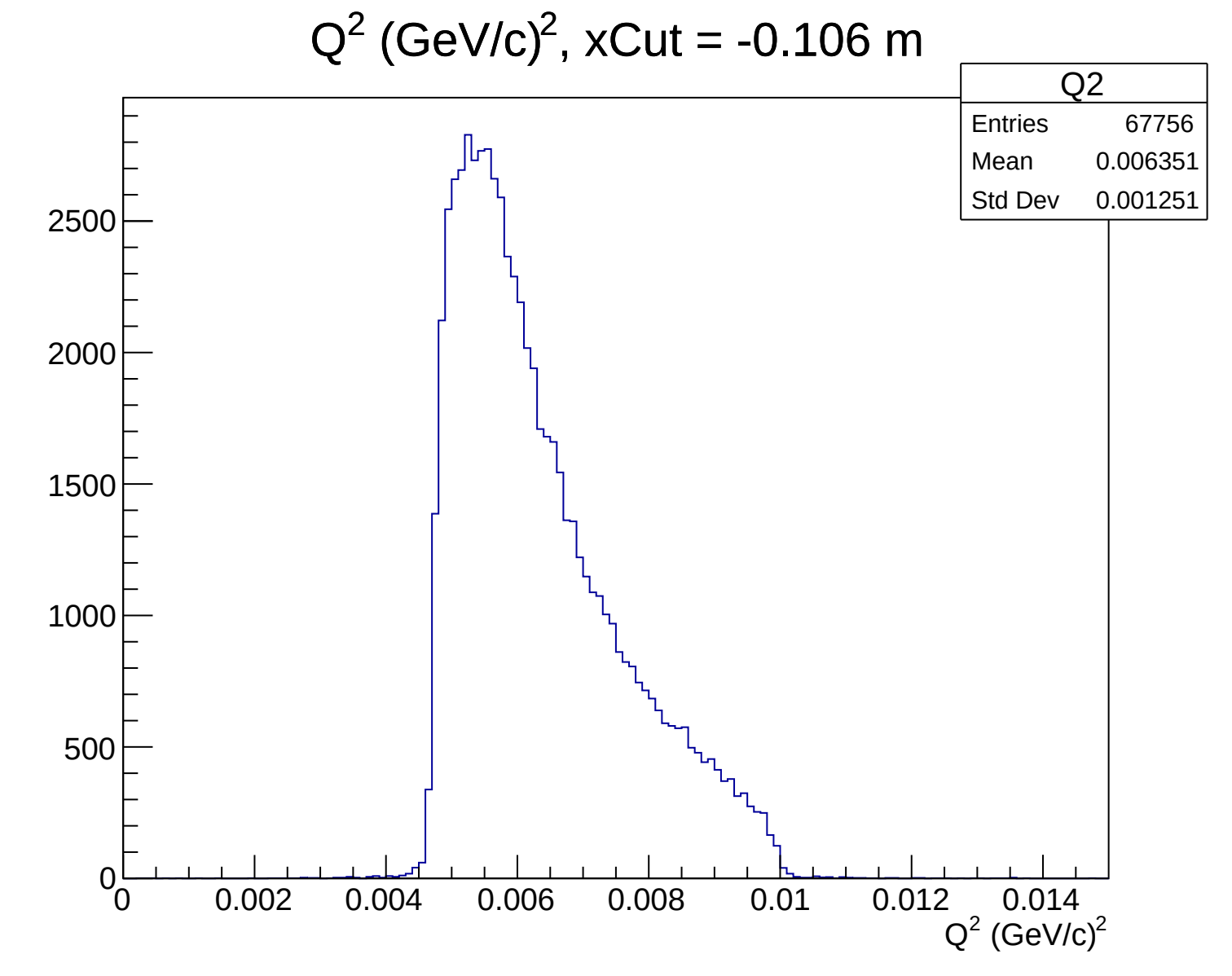

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.106
R.tr.x[0]+1.3*R.tr.th[0] (m)

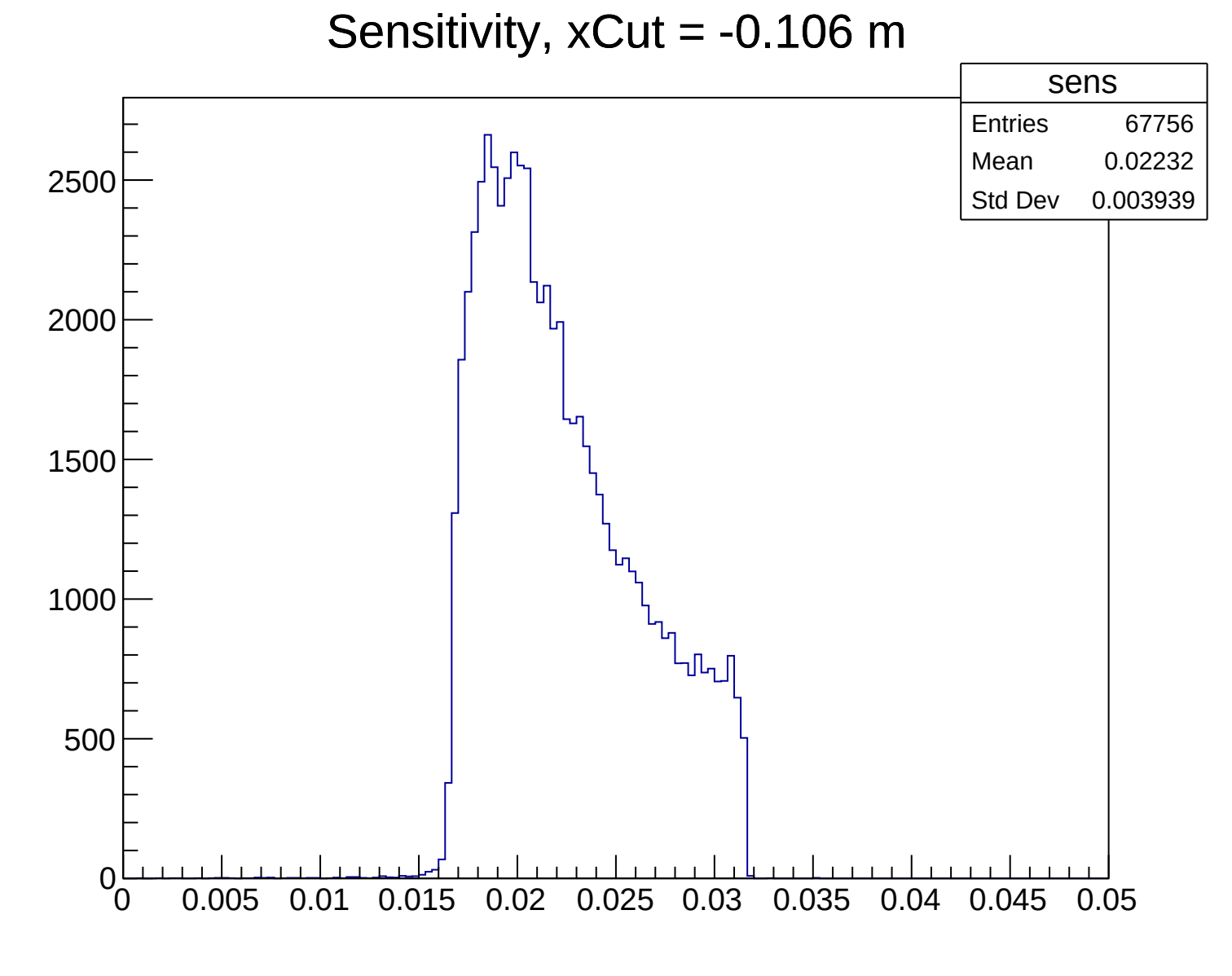

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

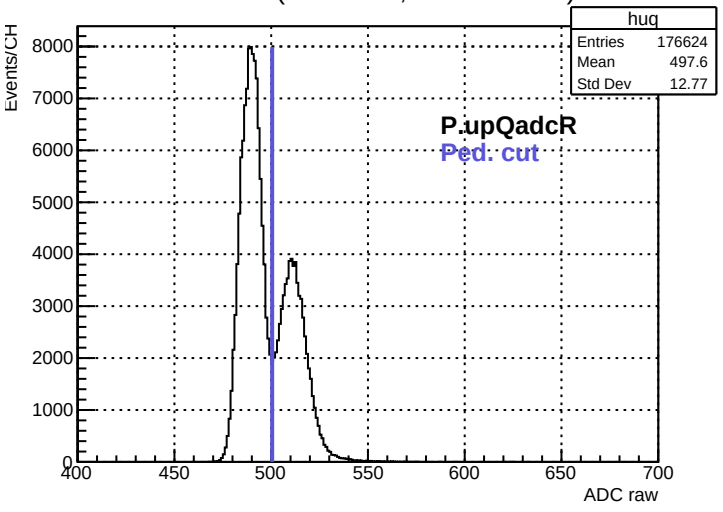

θlab (deg), xCut = -0.106 m
Theta
Entries 67756
Mean 4.794
Std Dev 0.4609
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

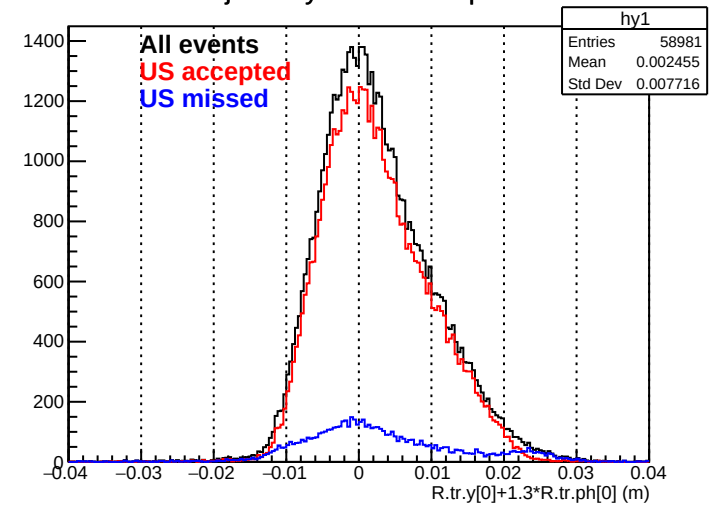

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 67756
Mean 0.5719
Std Dev 0.08068
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

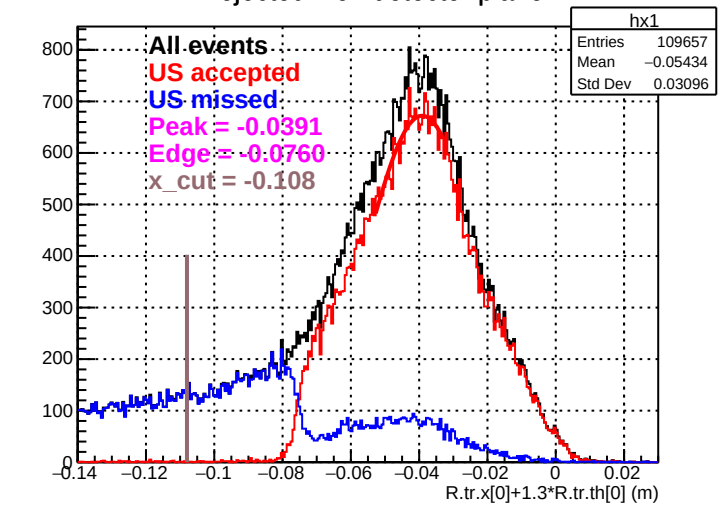

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 67756
Mean 0.5588
Std Dev 0.07687
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

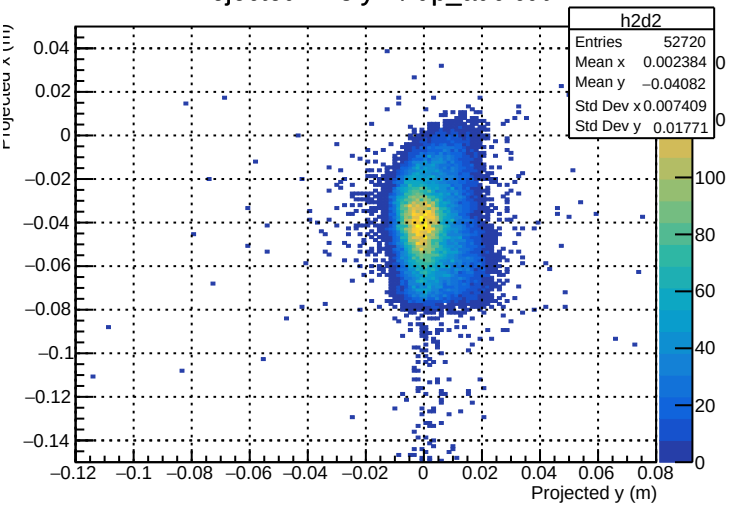

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 67756
Mean 0.006351
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

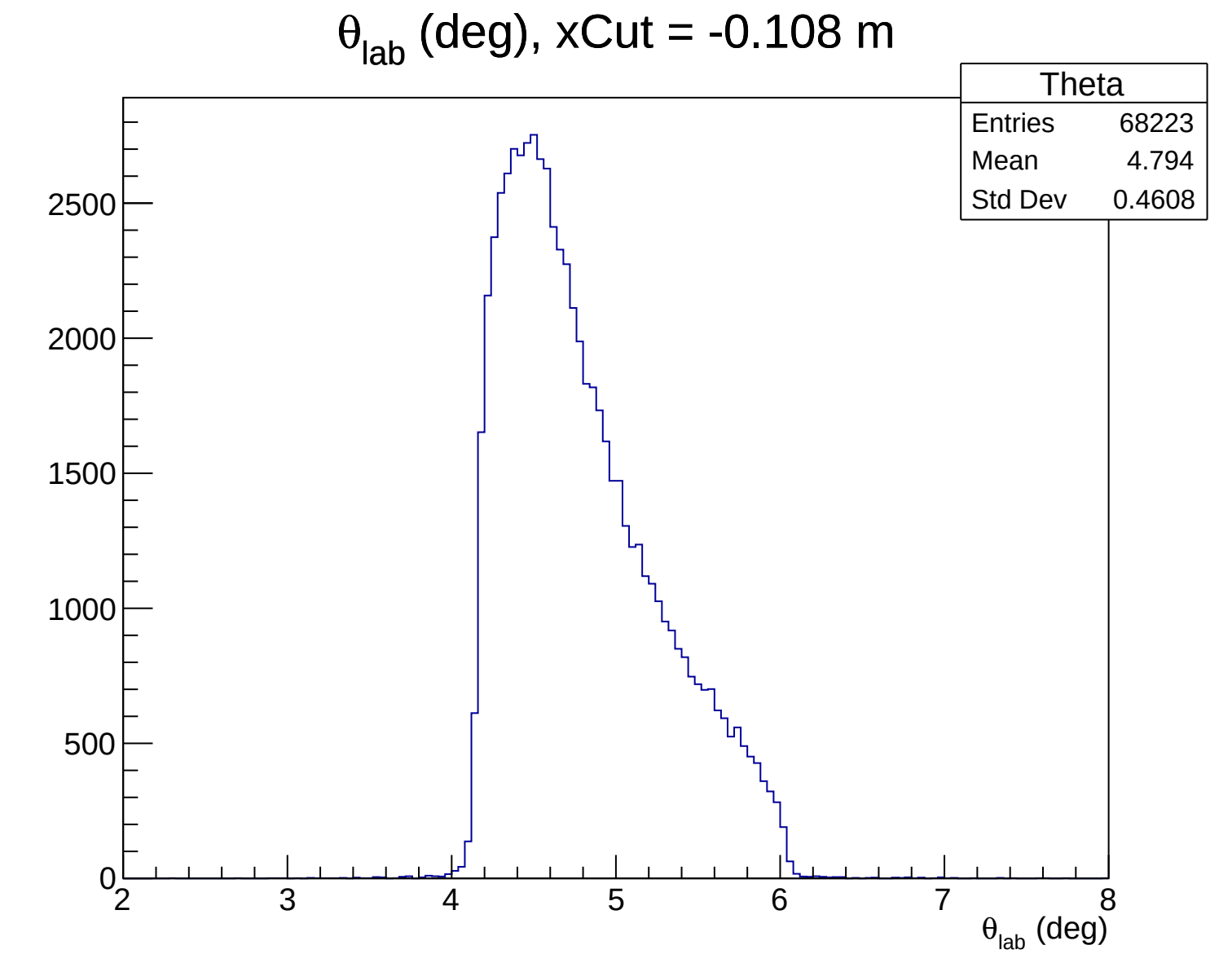

Sensitivity, xCut = -0.106 m
sens
Entries 67756
Mean 0.02232
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

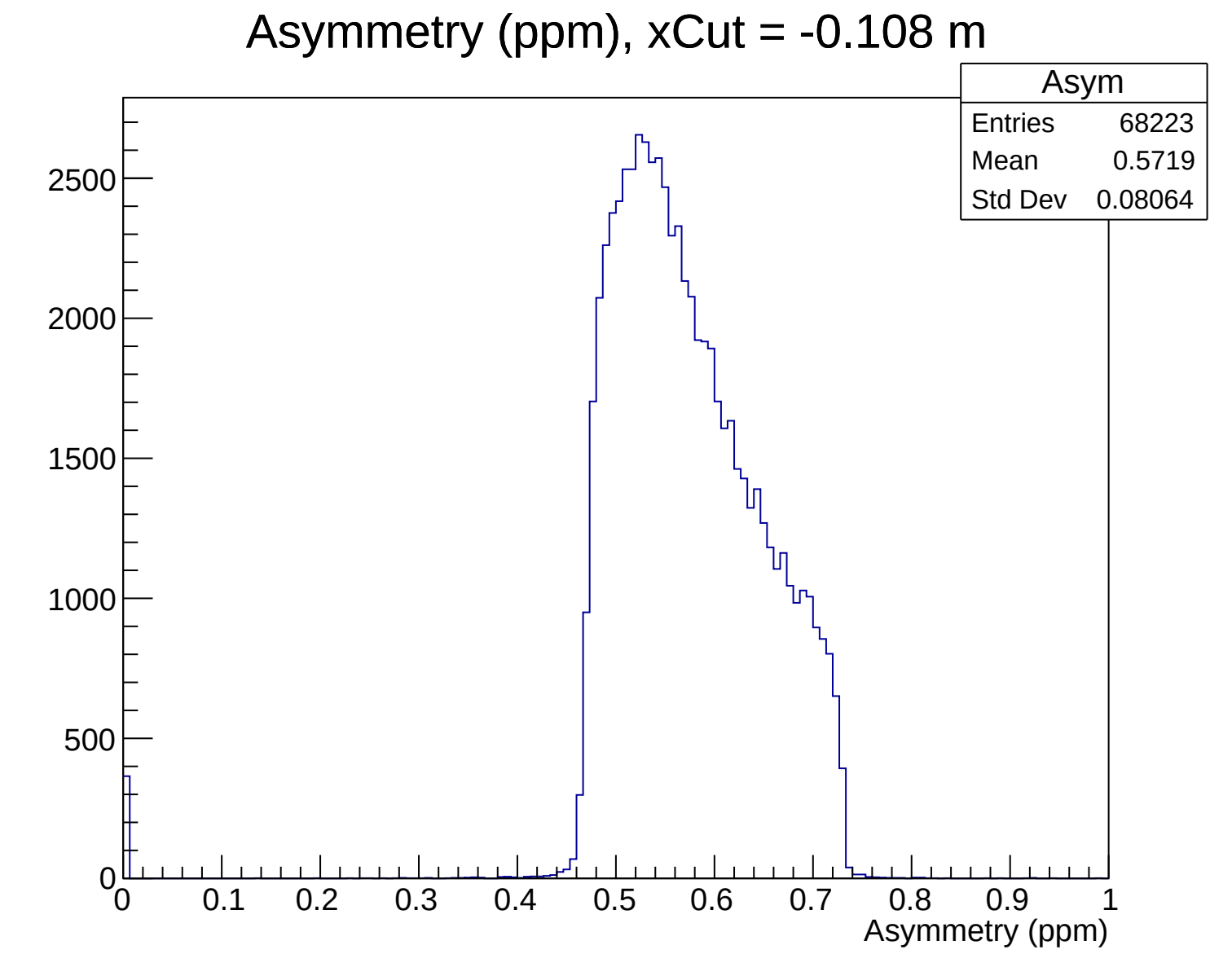

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

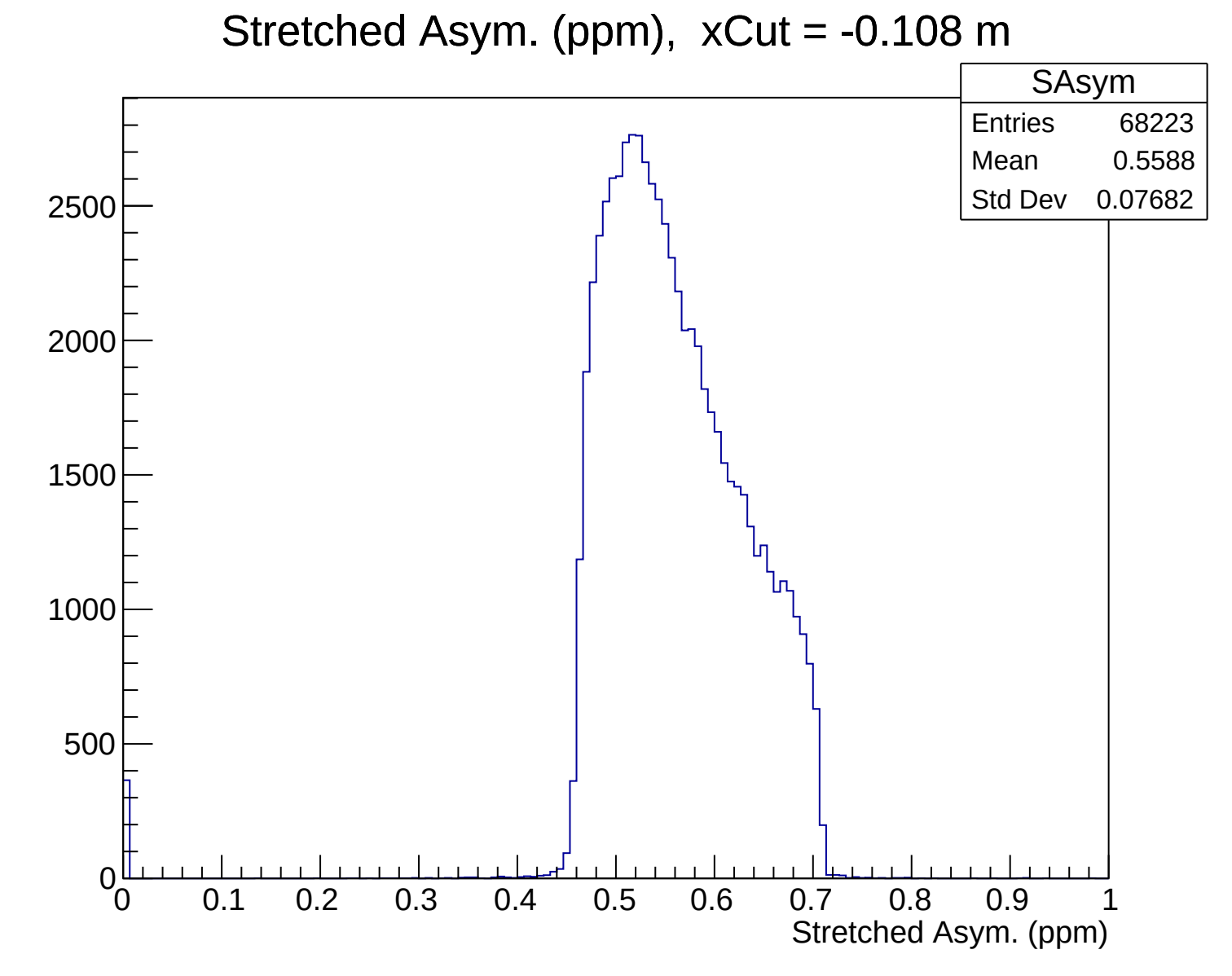

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

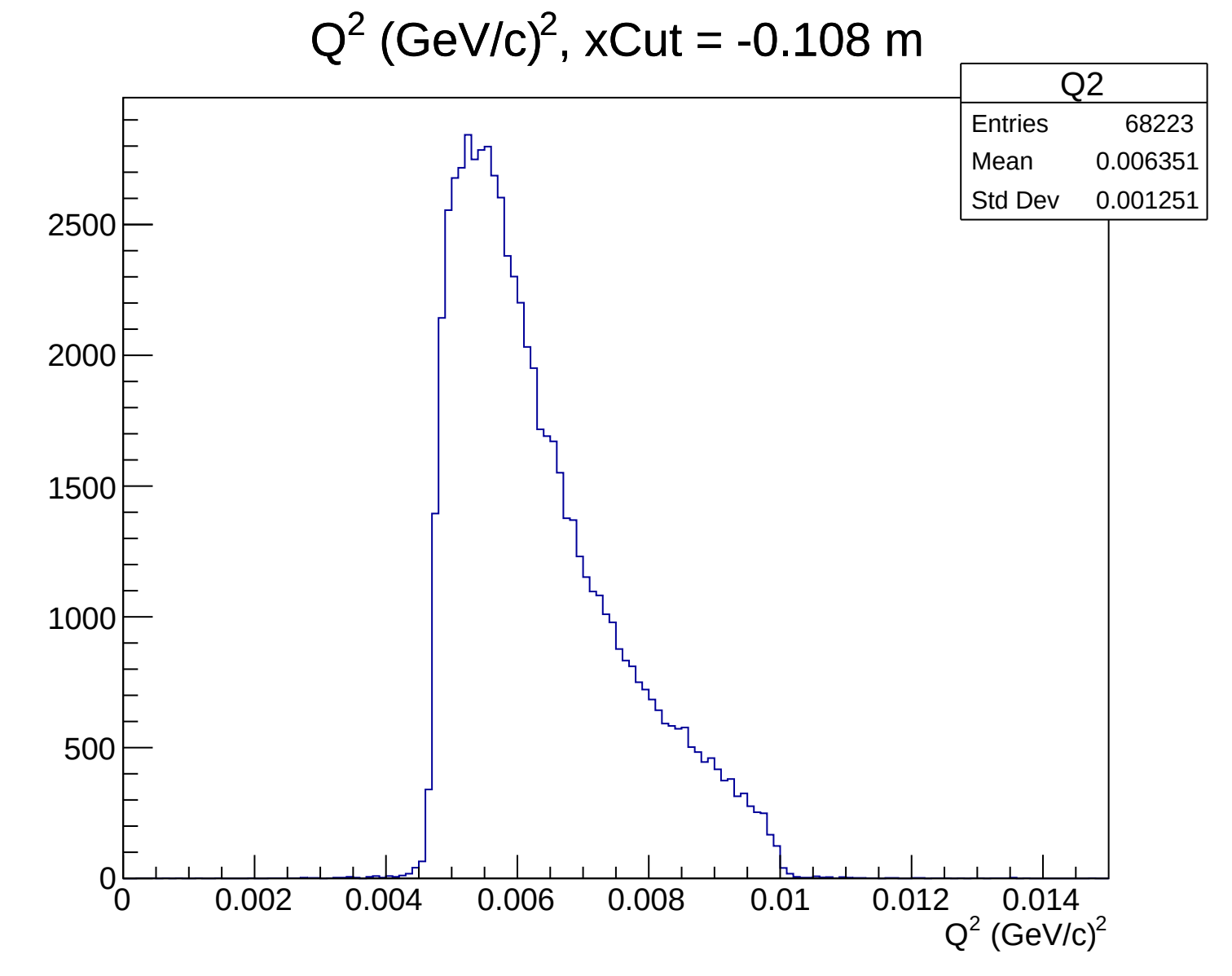

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.108
R.tr.x[0]+1.3*R.tr.th[0] (m)

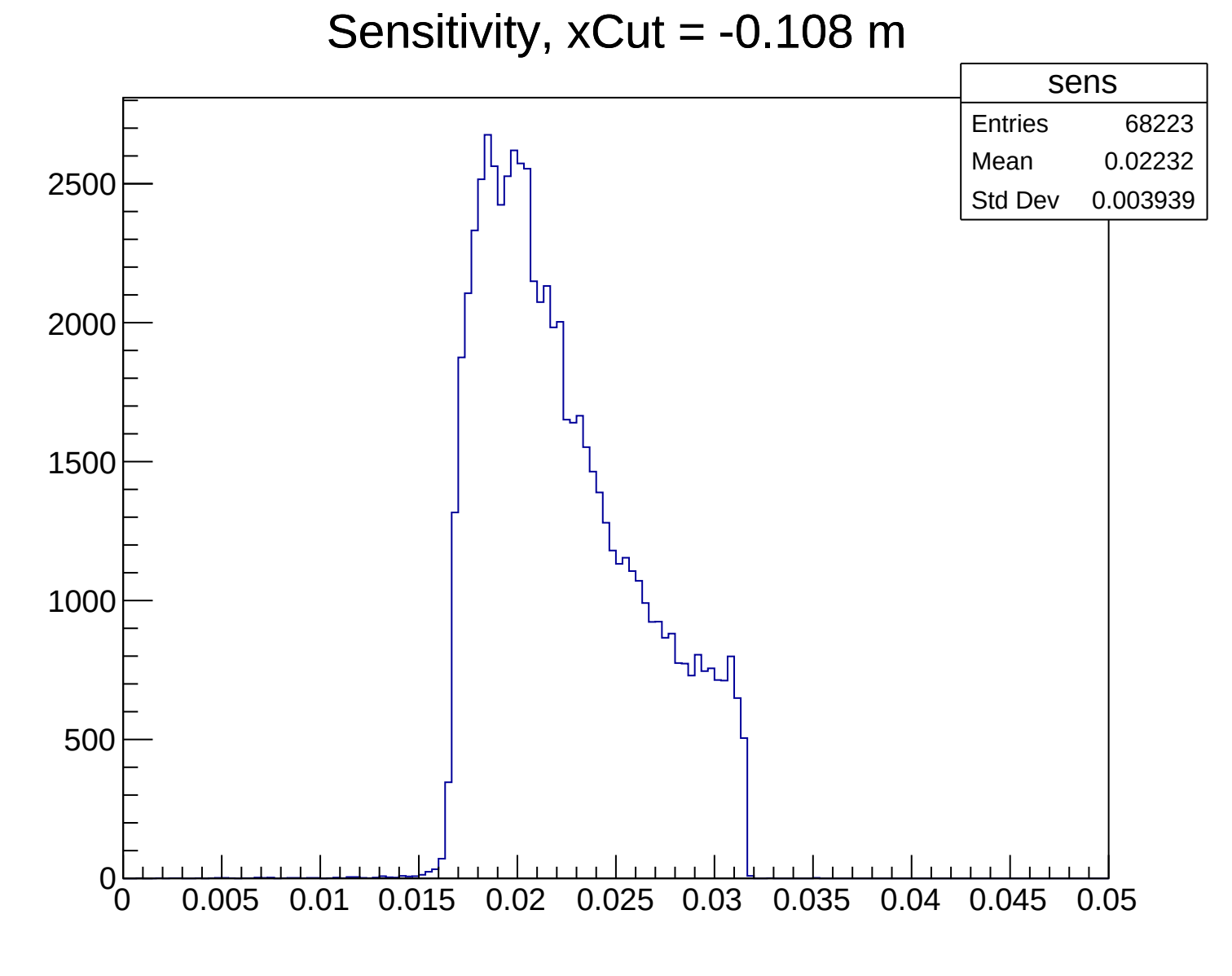

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected y (m)

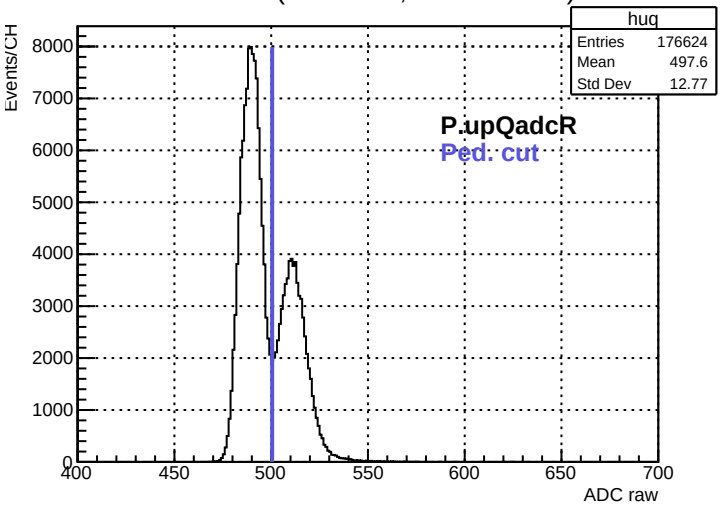

θlab (deg), xCut = -0.108 m
Theta
Entries 68223
Mean 4.794
Std Dev 0.4608
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

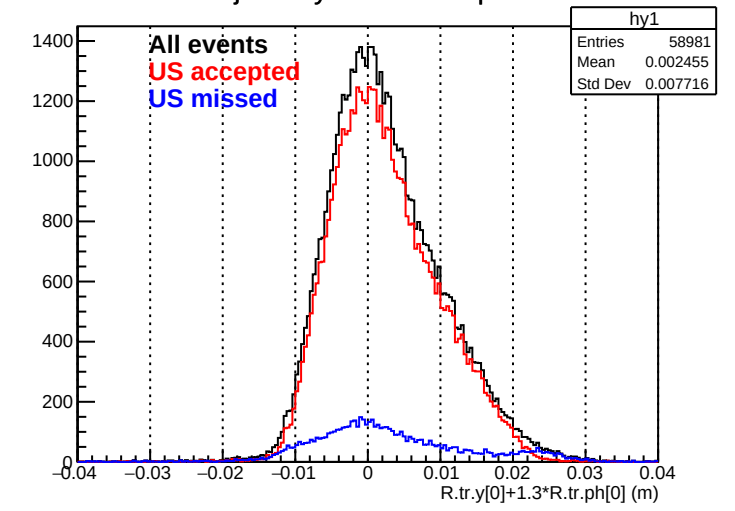

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 68223
Mean 0.5719
Std Dev 0.08064
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

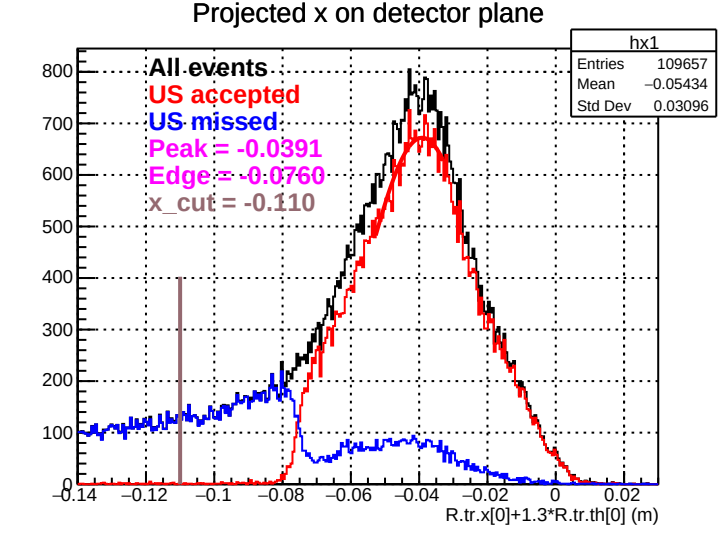

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 68223
Mean 0.5588
Std Dev 0.07682
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

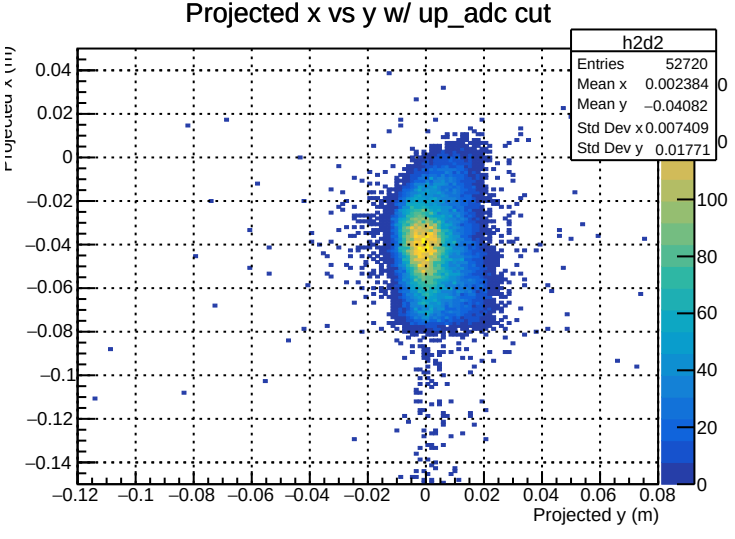

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 68223
Mean 0.006351
Std Dev 0.001251
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

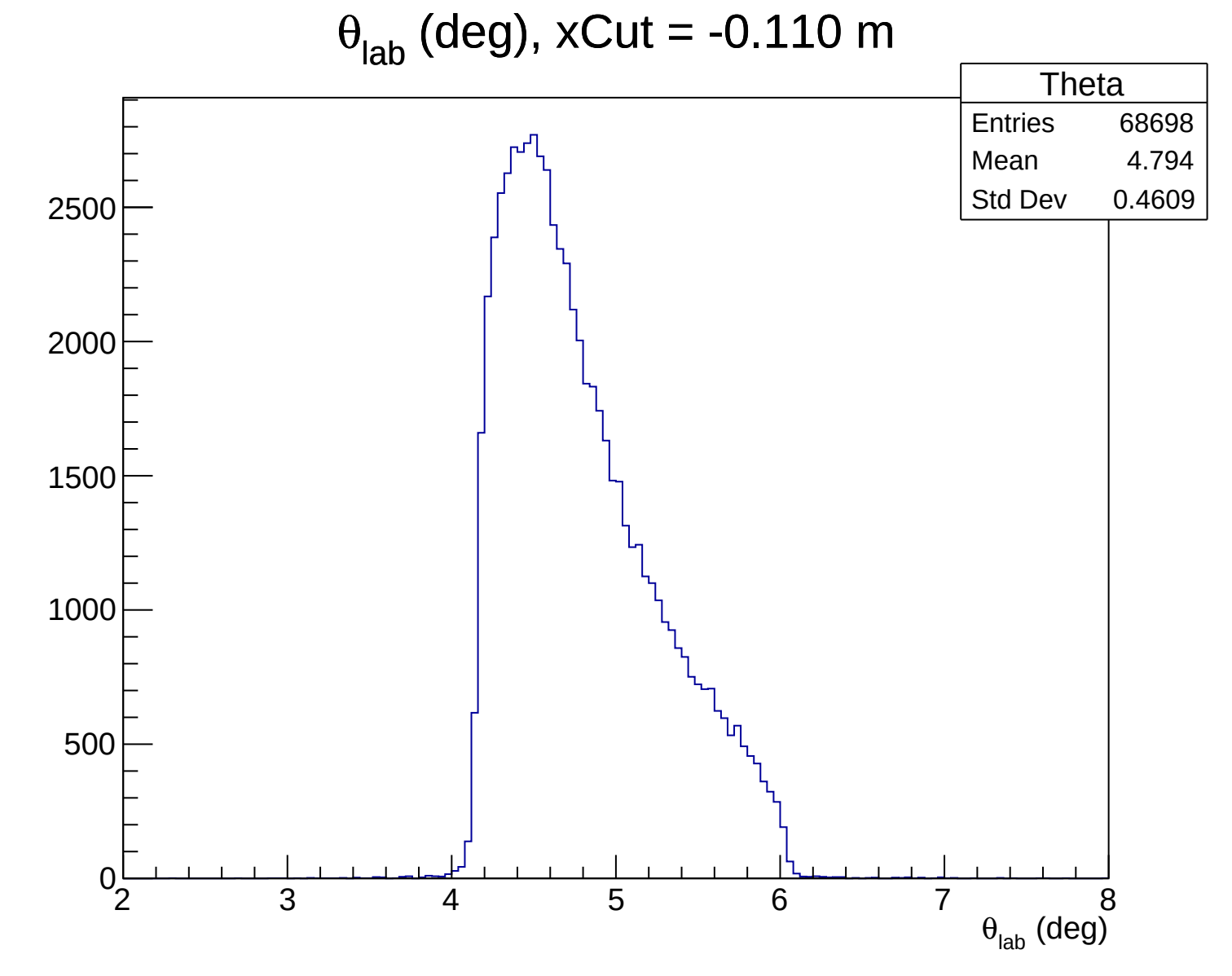

Sensitivity, xCut = -0.108 m
sens
Entries 68223
Mean 0.02232
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

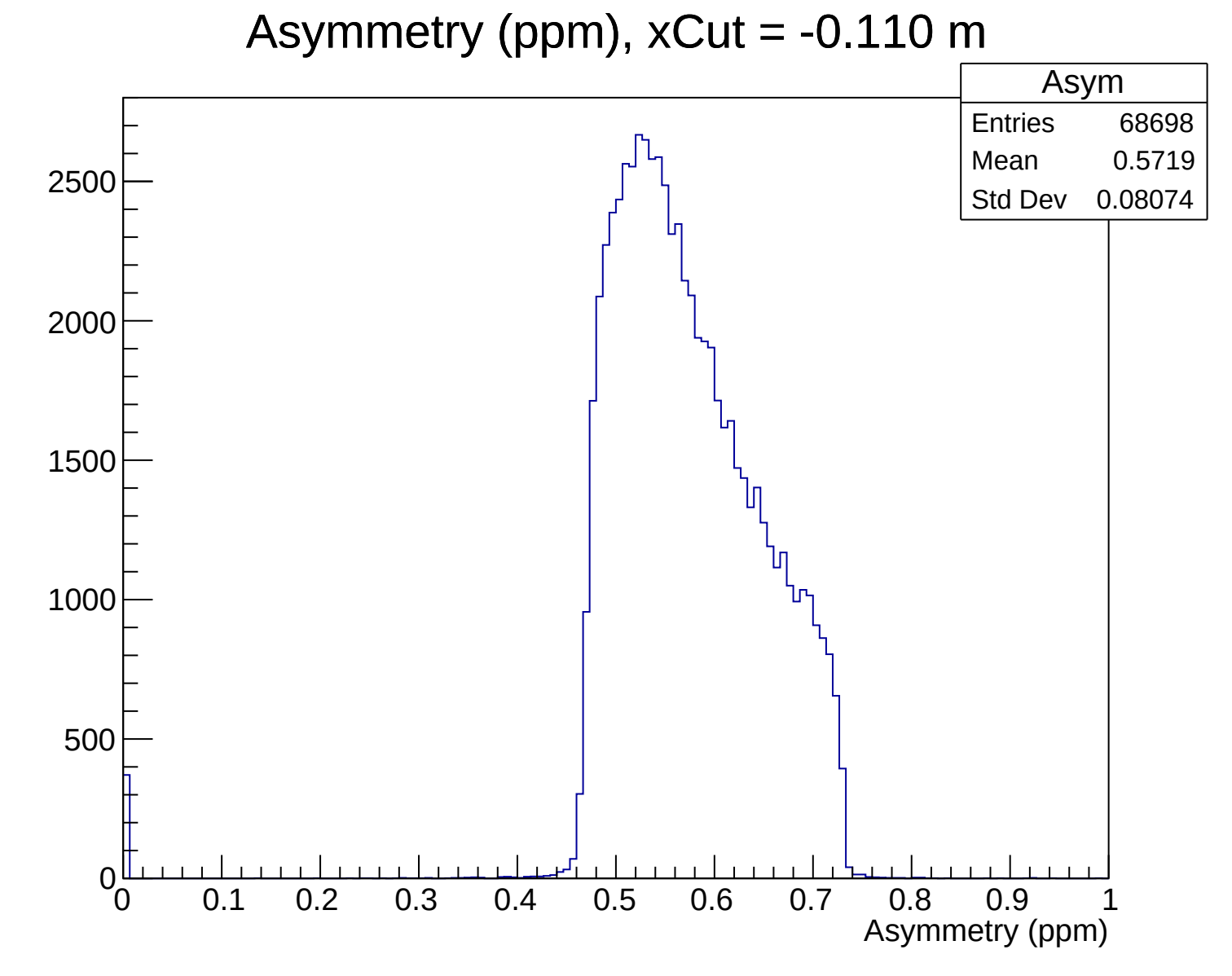

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

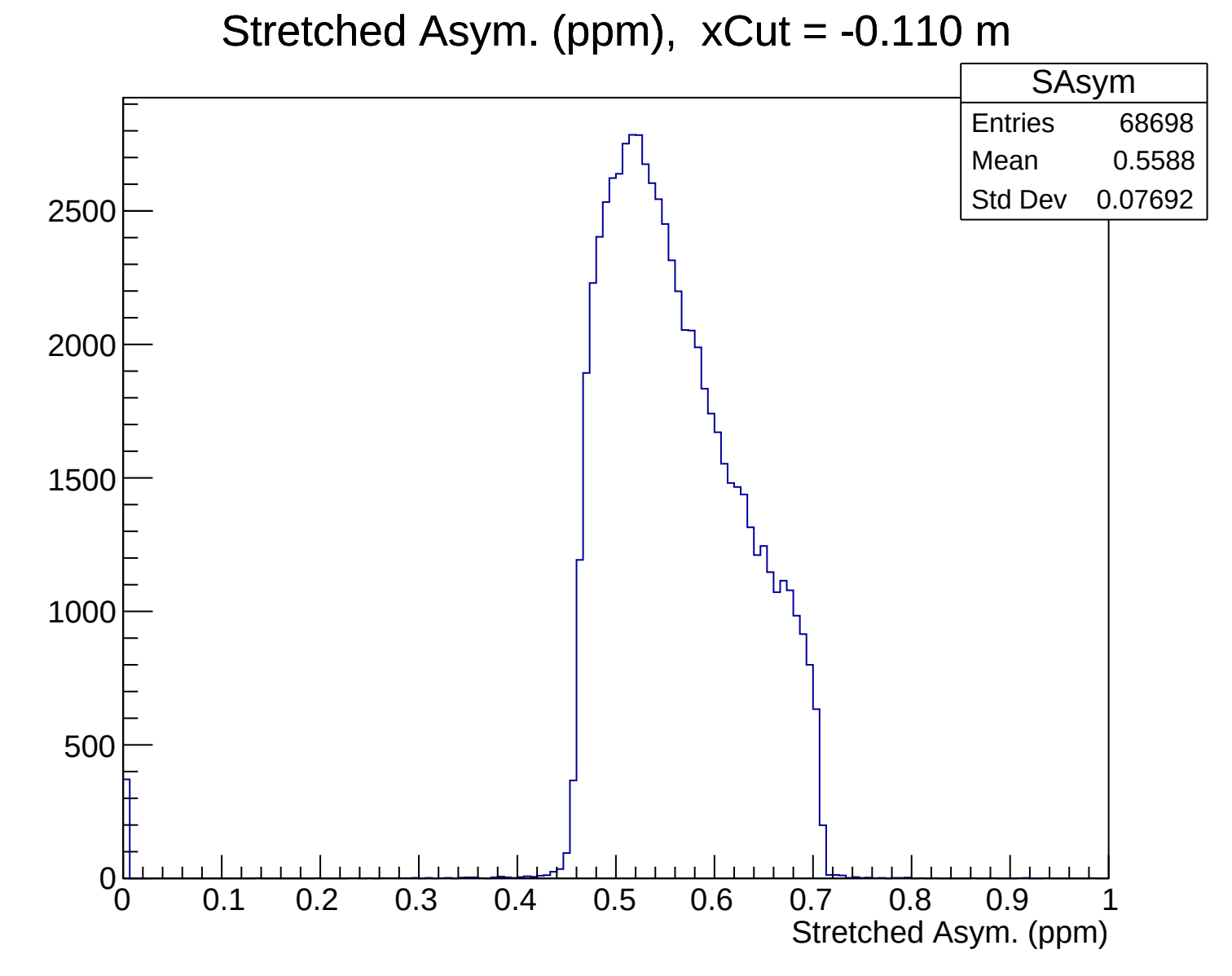

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

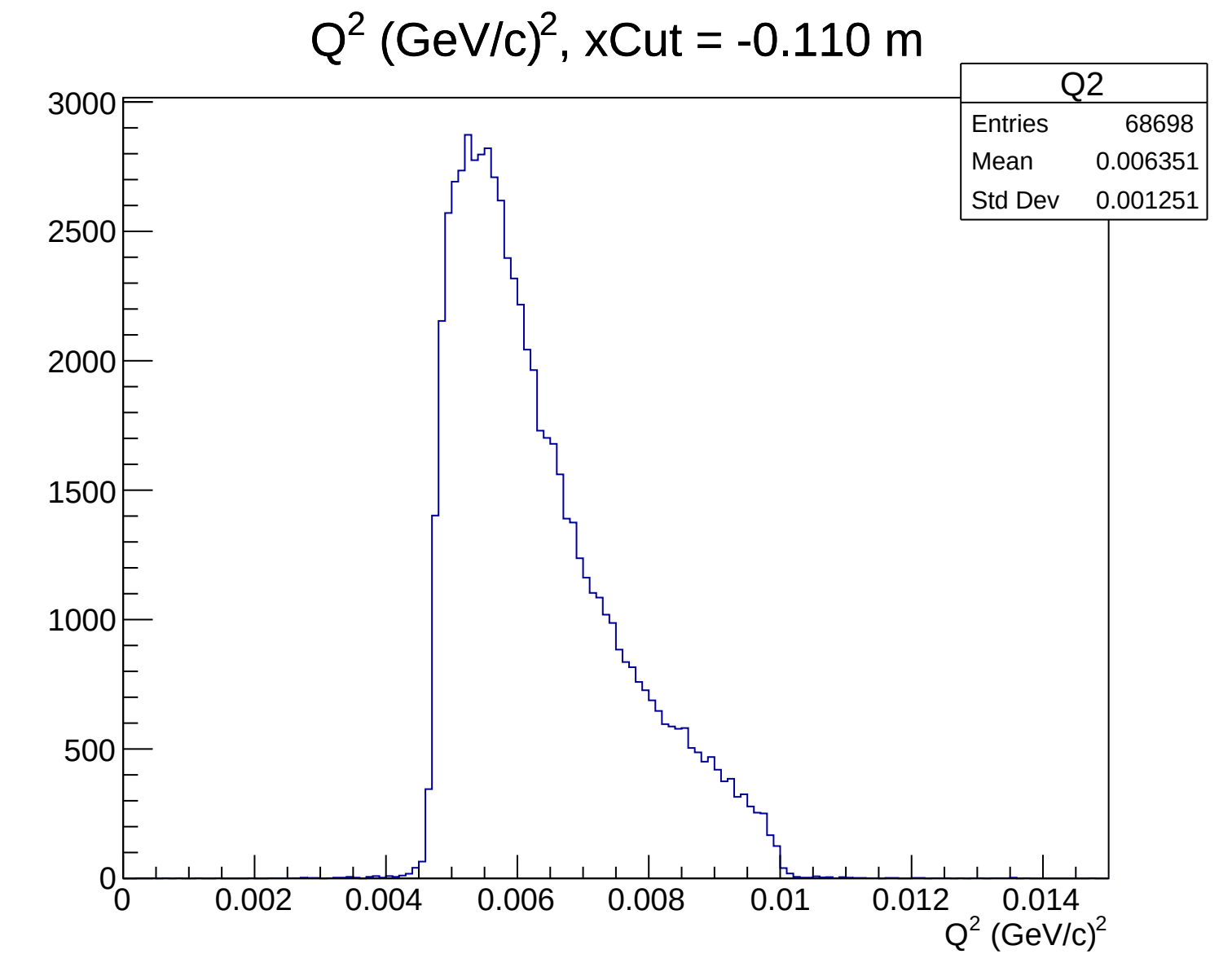

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.110
R.tr.x[0]+1.3*R.tr.th[0] (m)

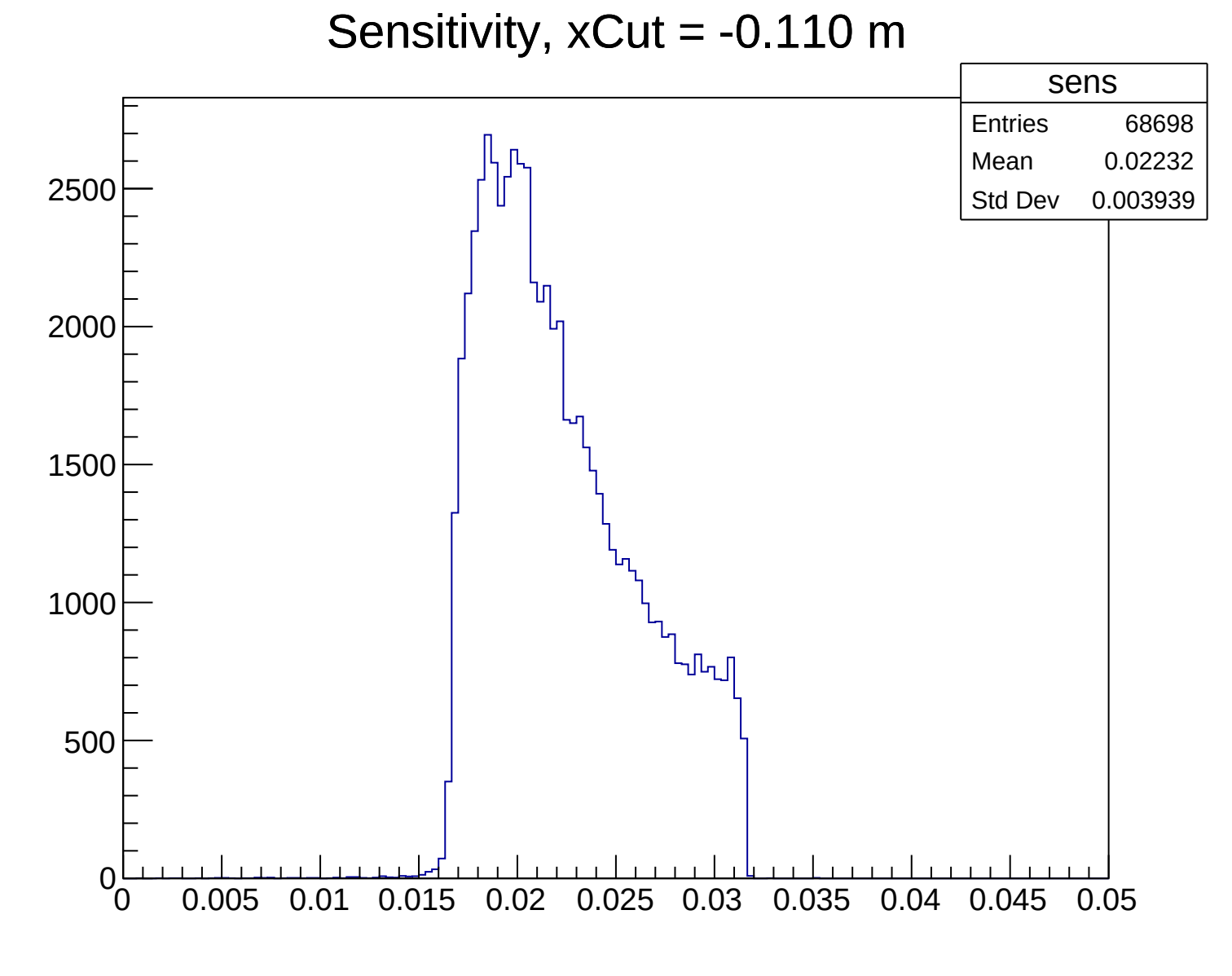

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

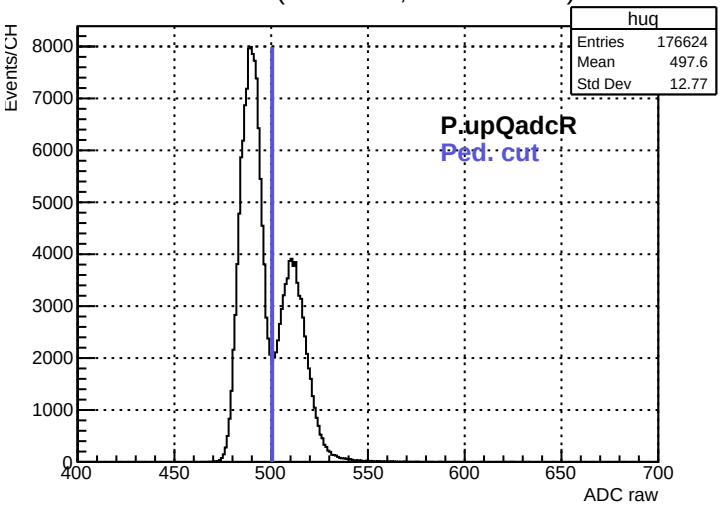

θlab (deg), xCut = -0.110 m
Theta
Entries 68698
Mean 4.794
Std Dev 0.4609
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

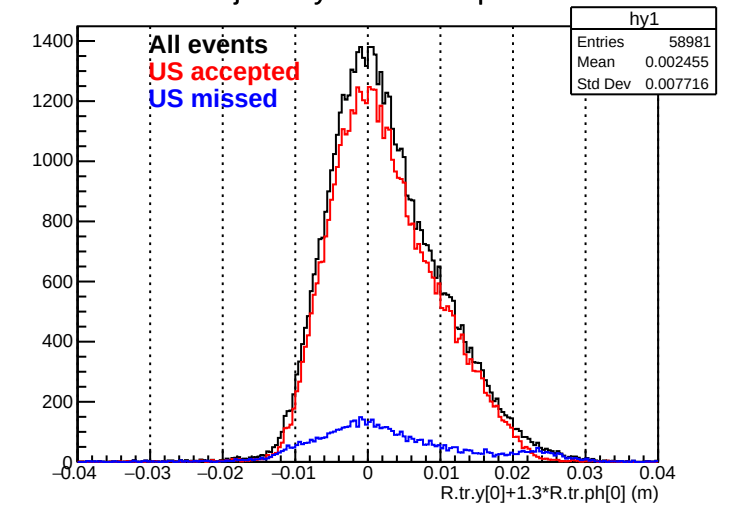

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 68698
Mean 0.5719
Std Dev 0.08074
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

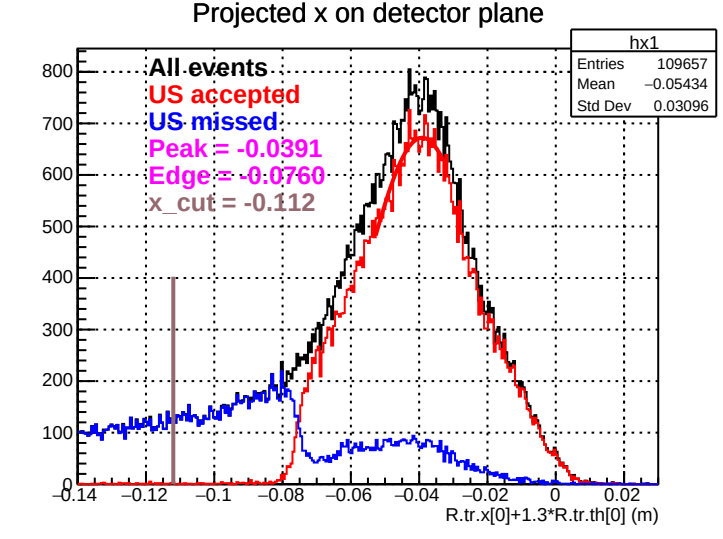

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 68698
Mean 0.5588
Std Dev 0.07692
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

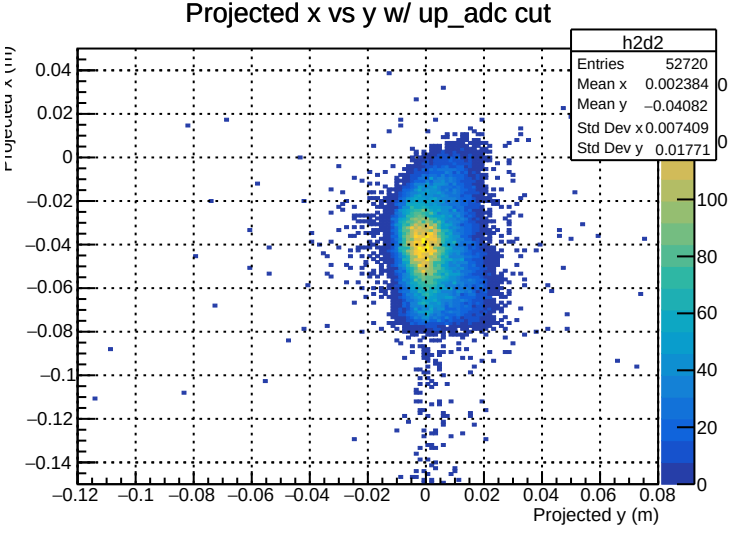

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 68698
Mean 0.006351
Std Dev 0.001251
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

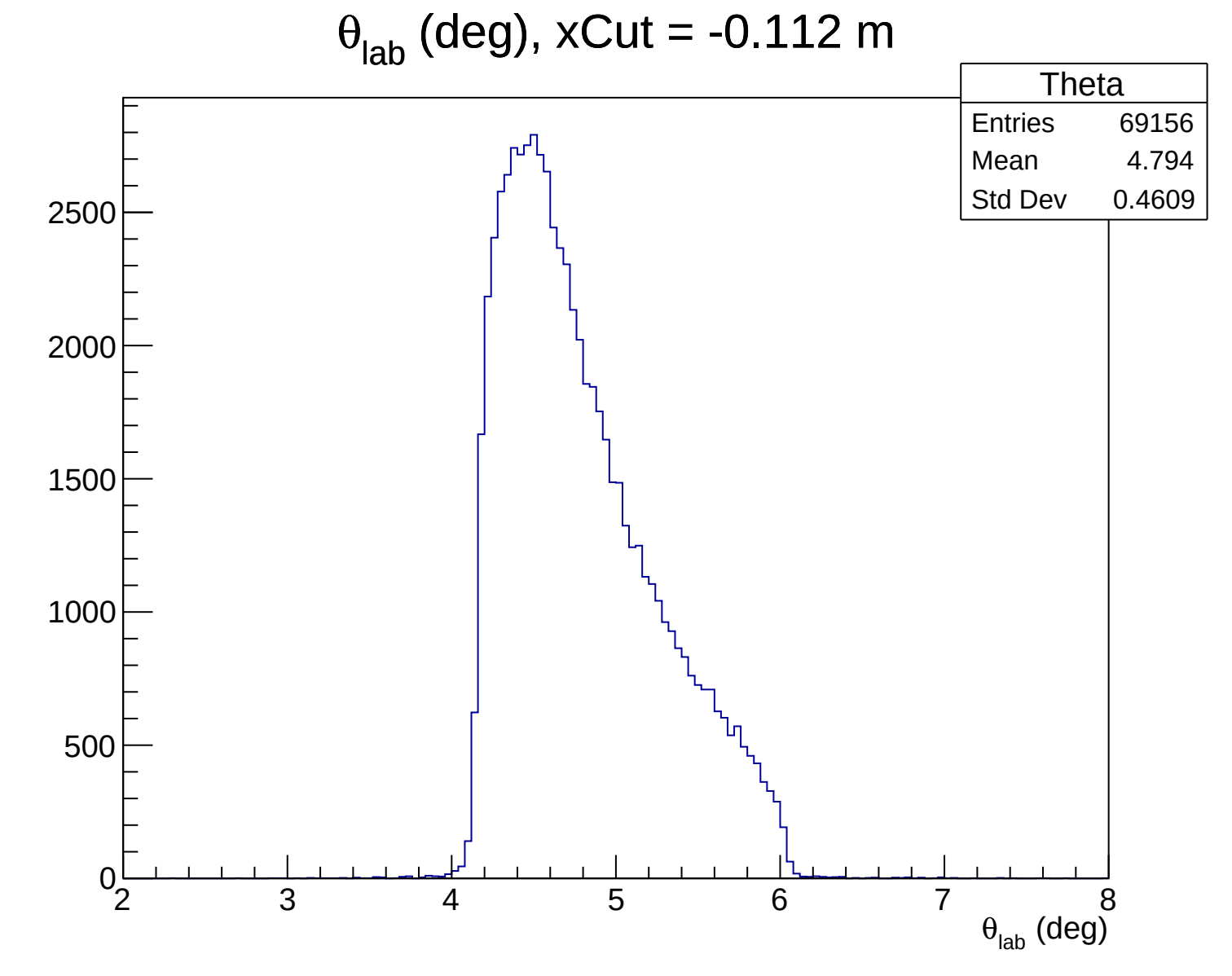

Sensitivity, xCut = -0.110 m
sens
Entries 68698
Mean 0.02232
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

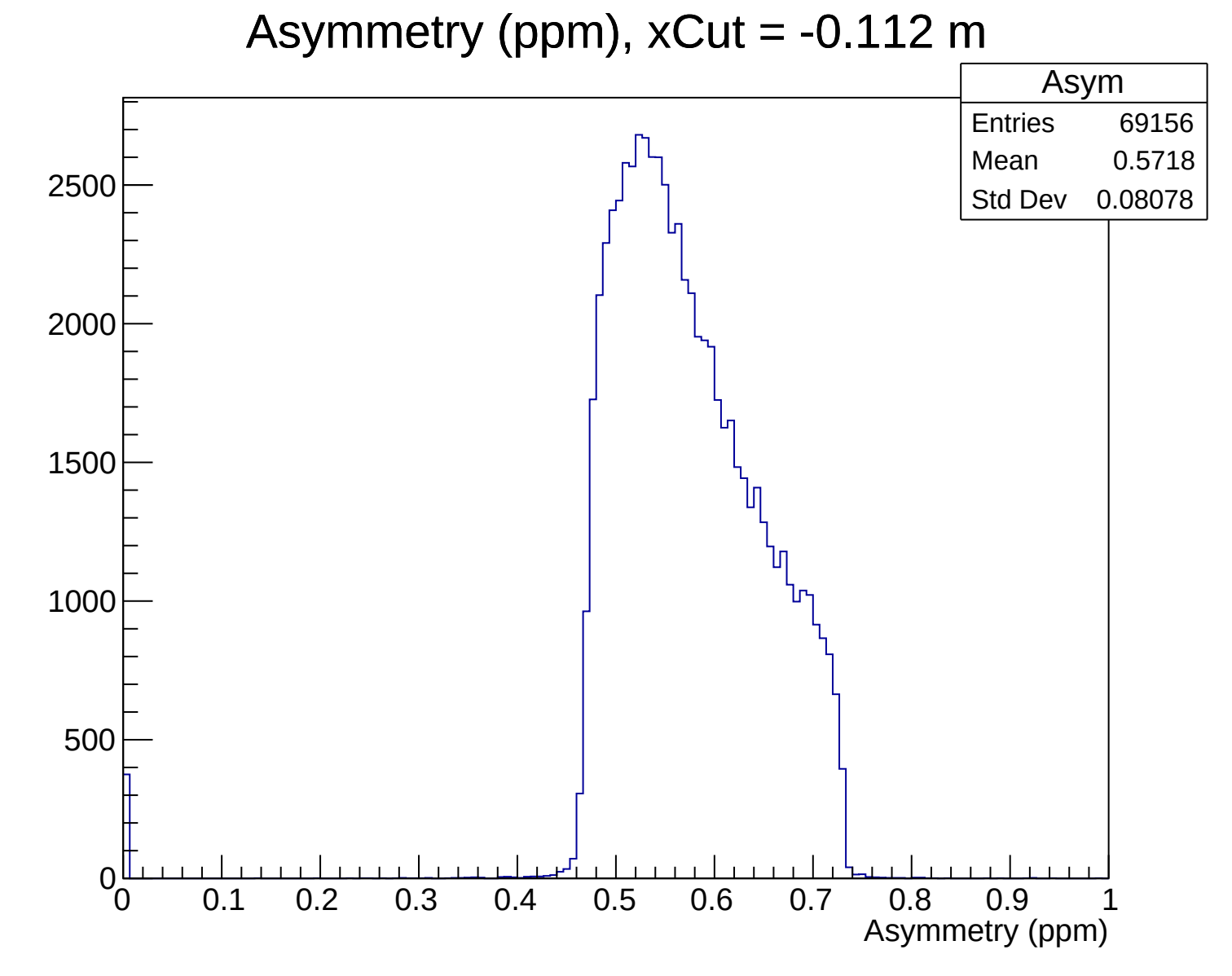

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

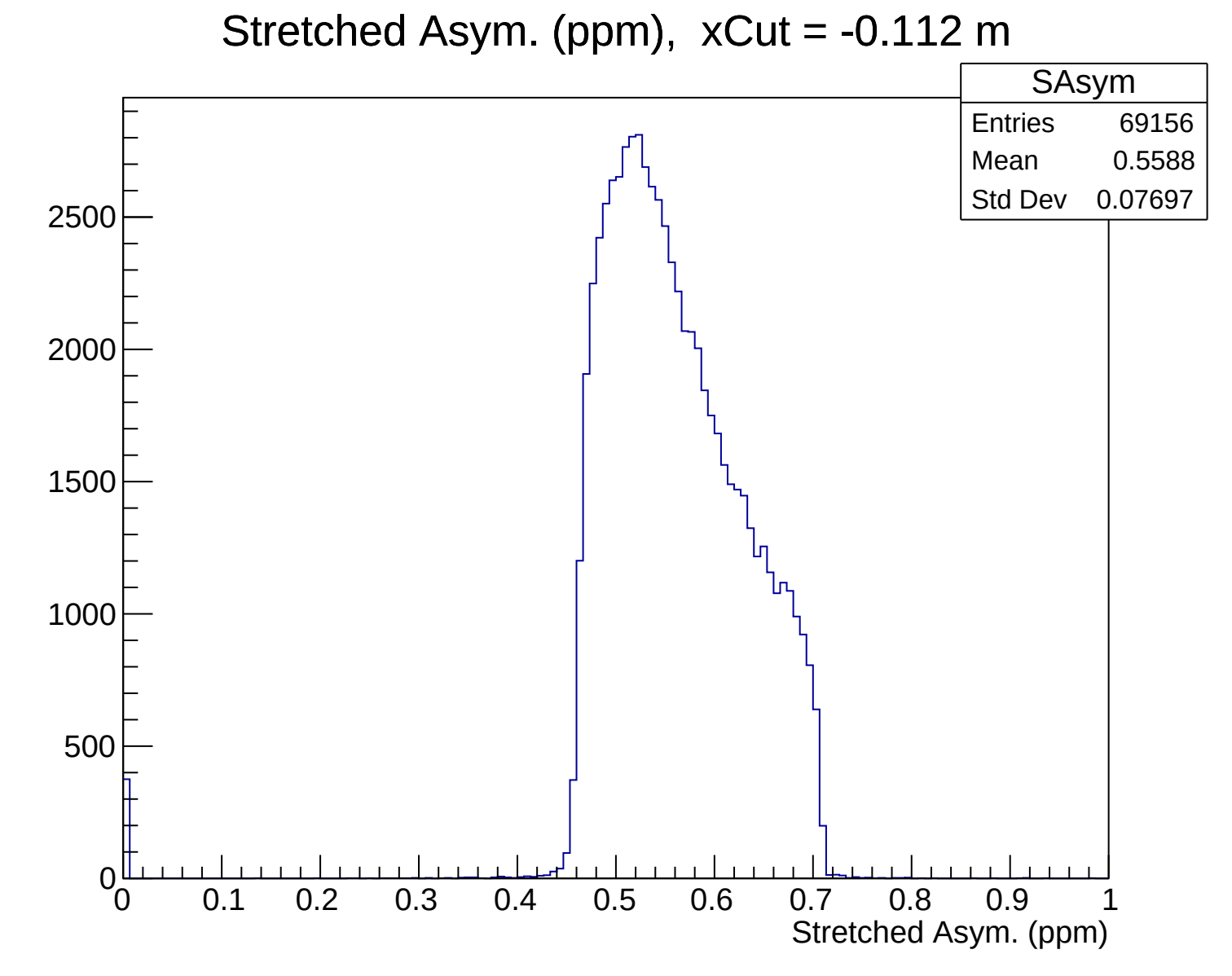

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

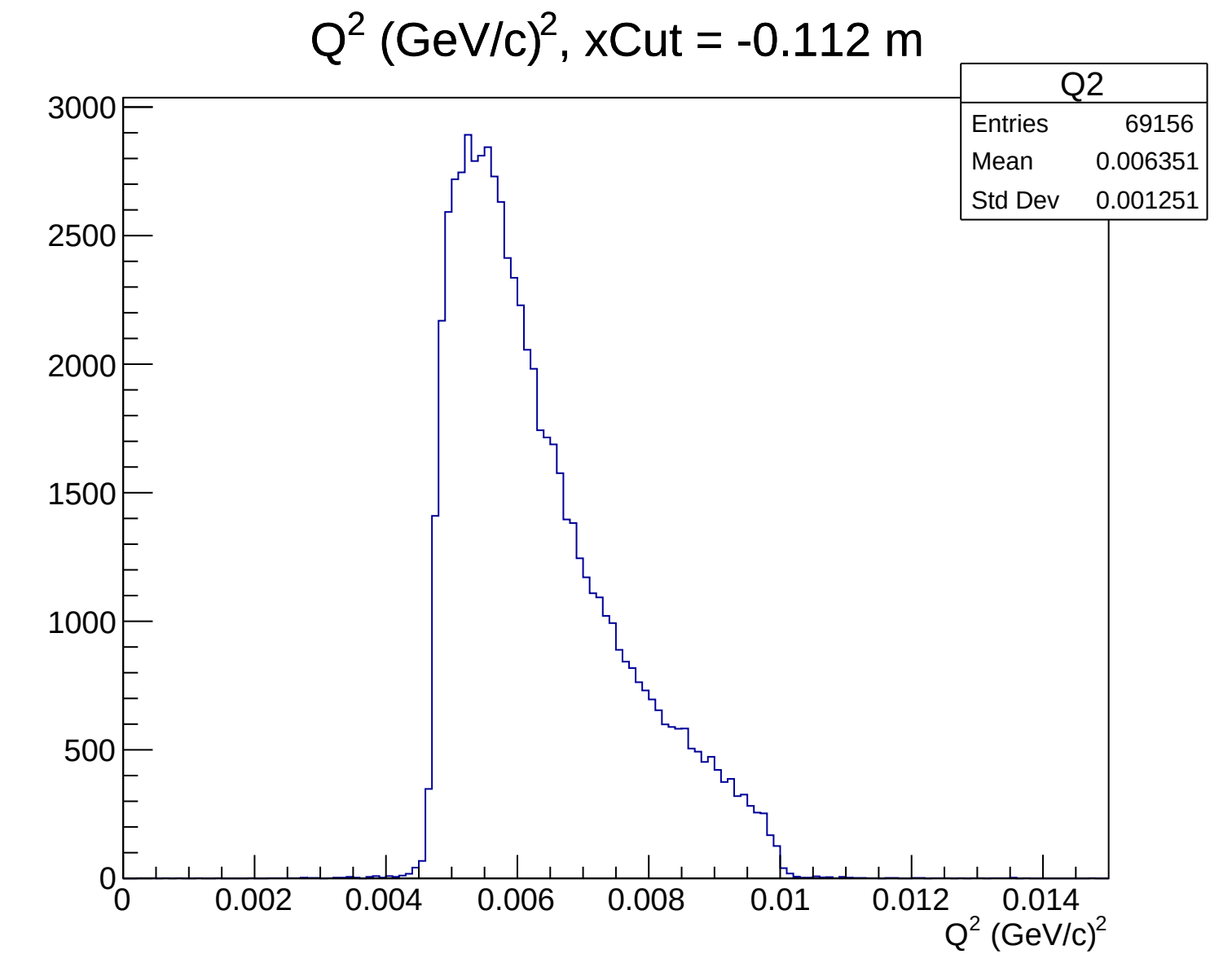

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.112
R.tr.x[0]+1.3*R.tr.th[0] (m)

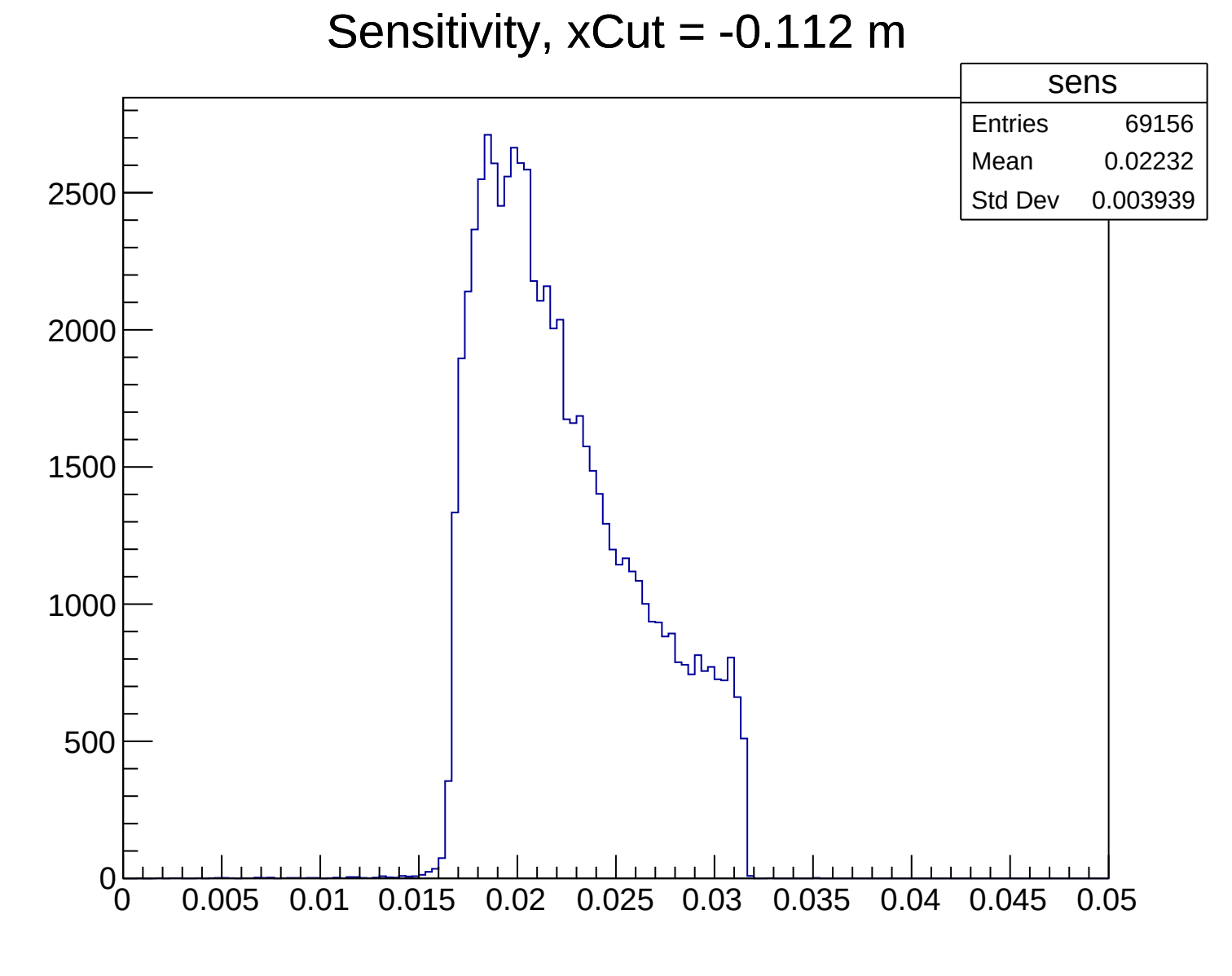

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)

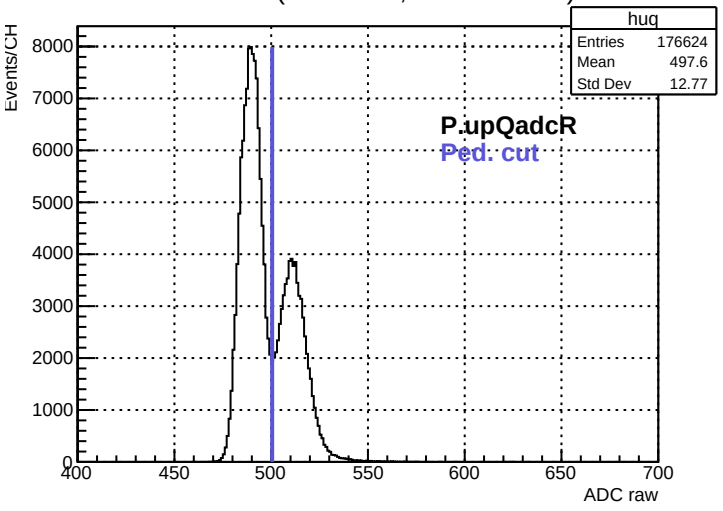

θlab (deg), xCut = -0.112 m
Theta
Entries 69156
Mean 4.794
Std Dev 0.4609
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

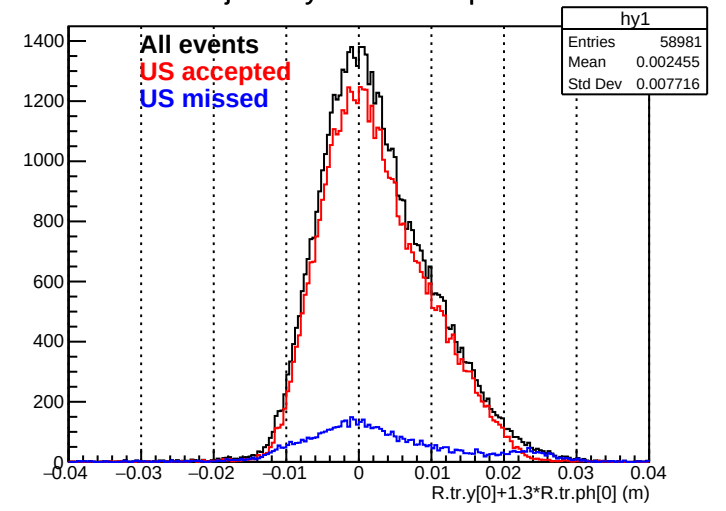

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 69156
Mean 0.5718
Std Dev 0.08078
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

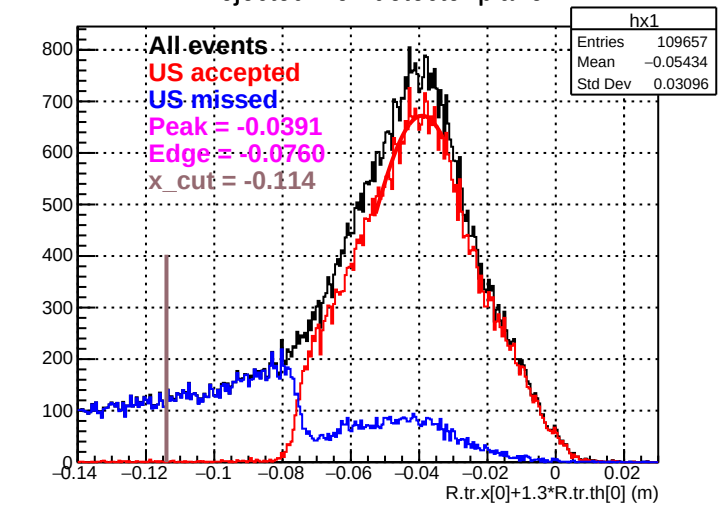

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 69156
Mean 0.5588
Std Dev 0.07697
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

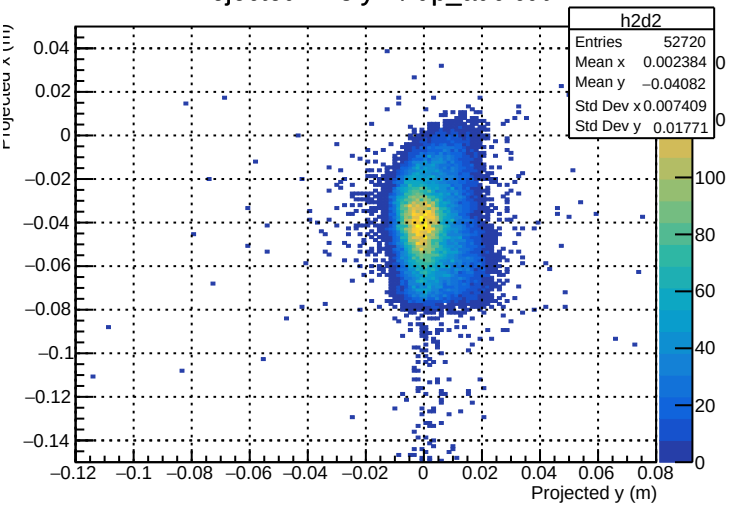

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 69156
Mean 0.006351
Std Dev 0.001251
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

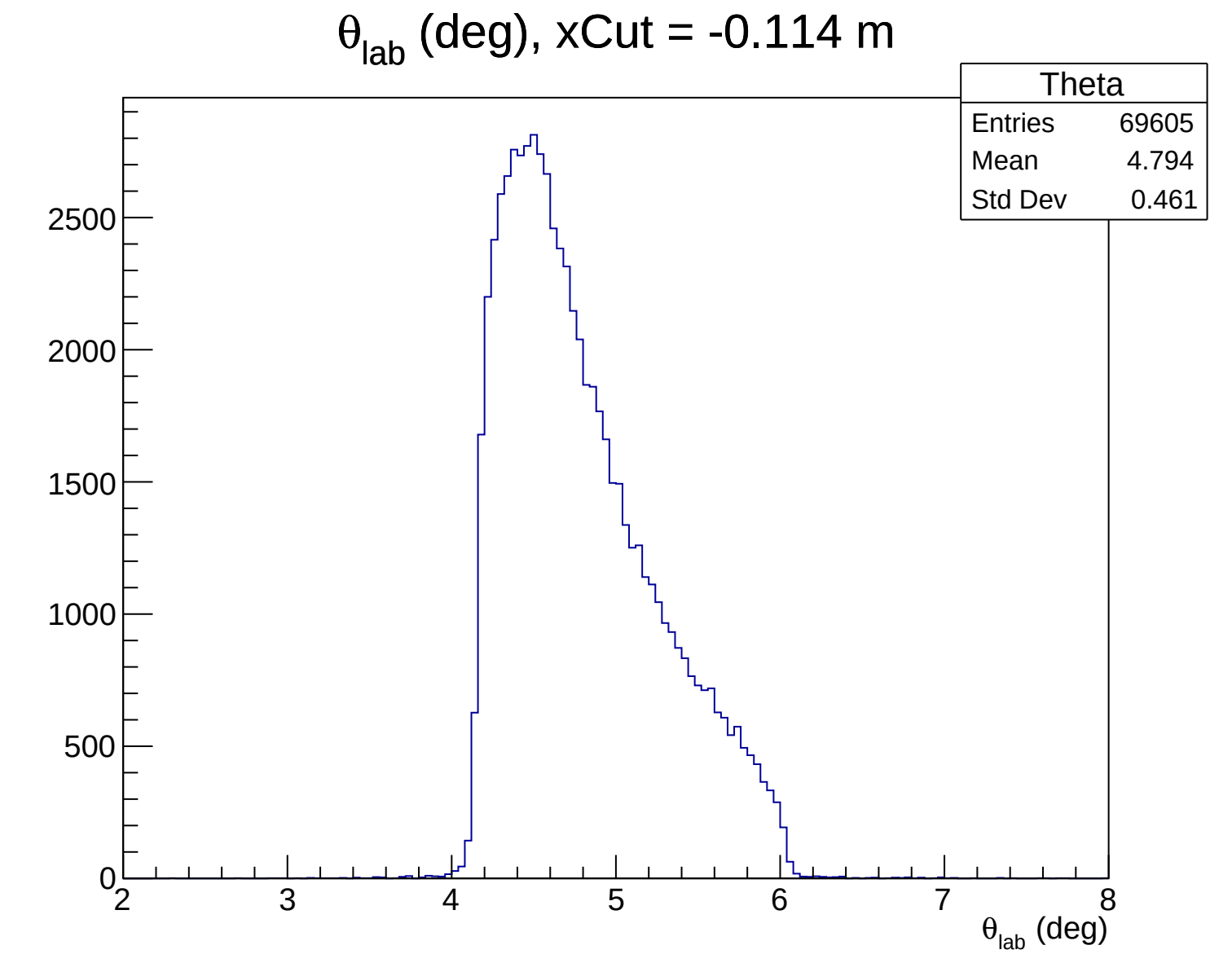

Sensitivity, xCut = -0.112 m
sens
Entries 69156
Mean 0.02232
Std Dev 0.003939
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

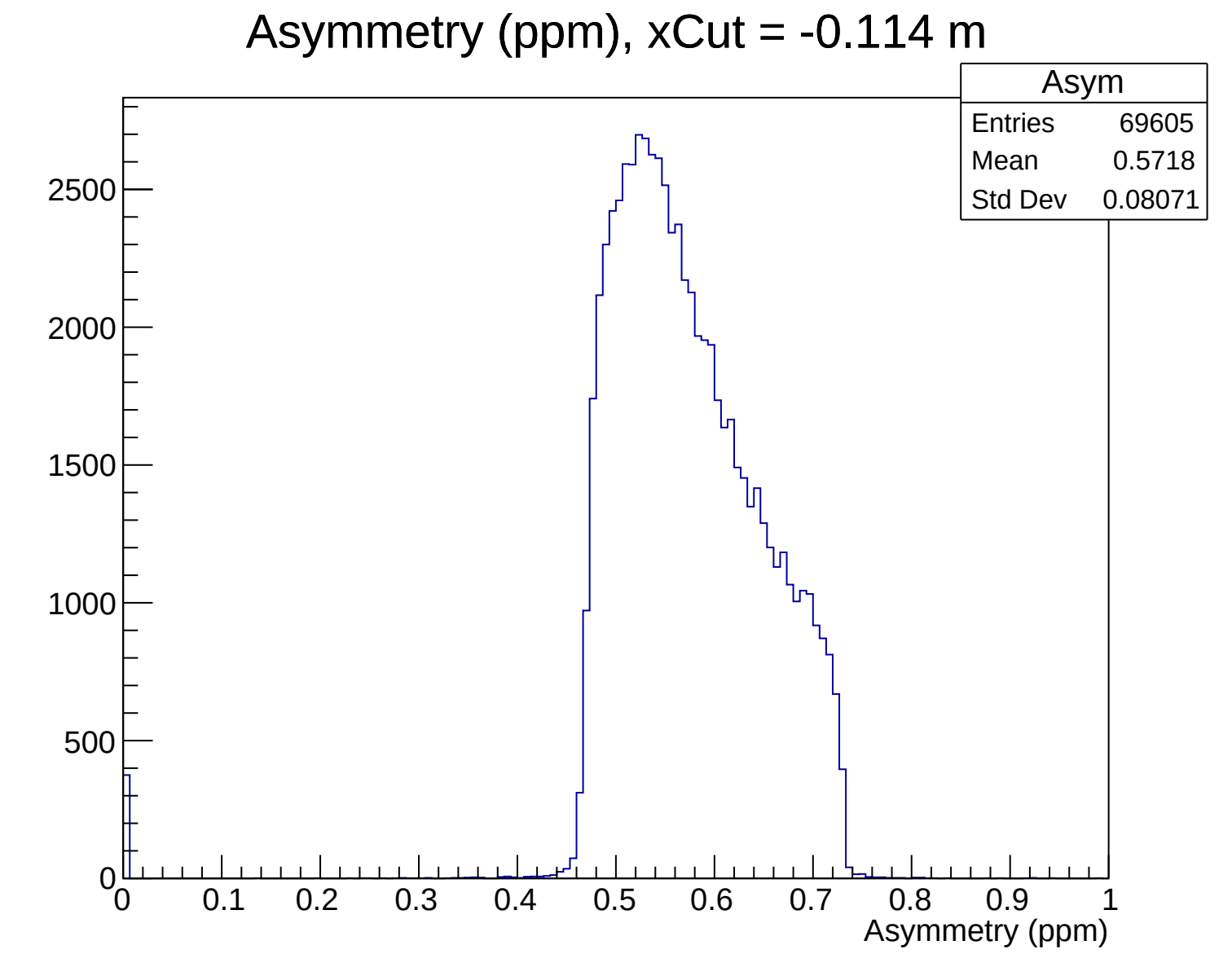

ADC raw (run21438, detZ = 1.3 m)
huq
Entries 176624
Mean 497.6
Std Dev 12.77
P.upQadcR
Ped. cut
Events/CH
ADC raw

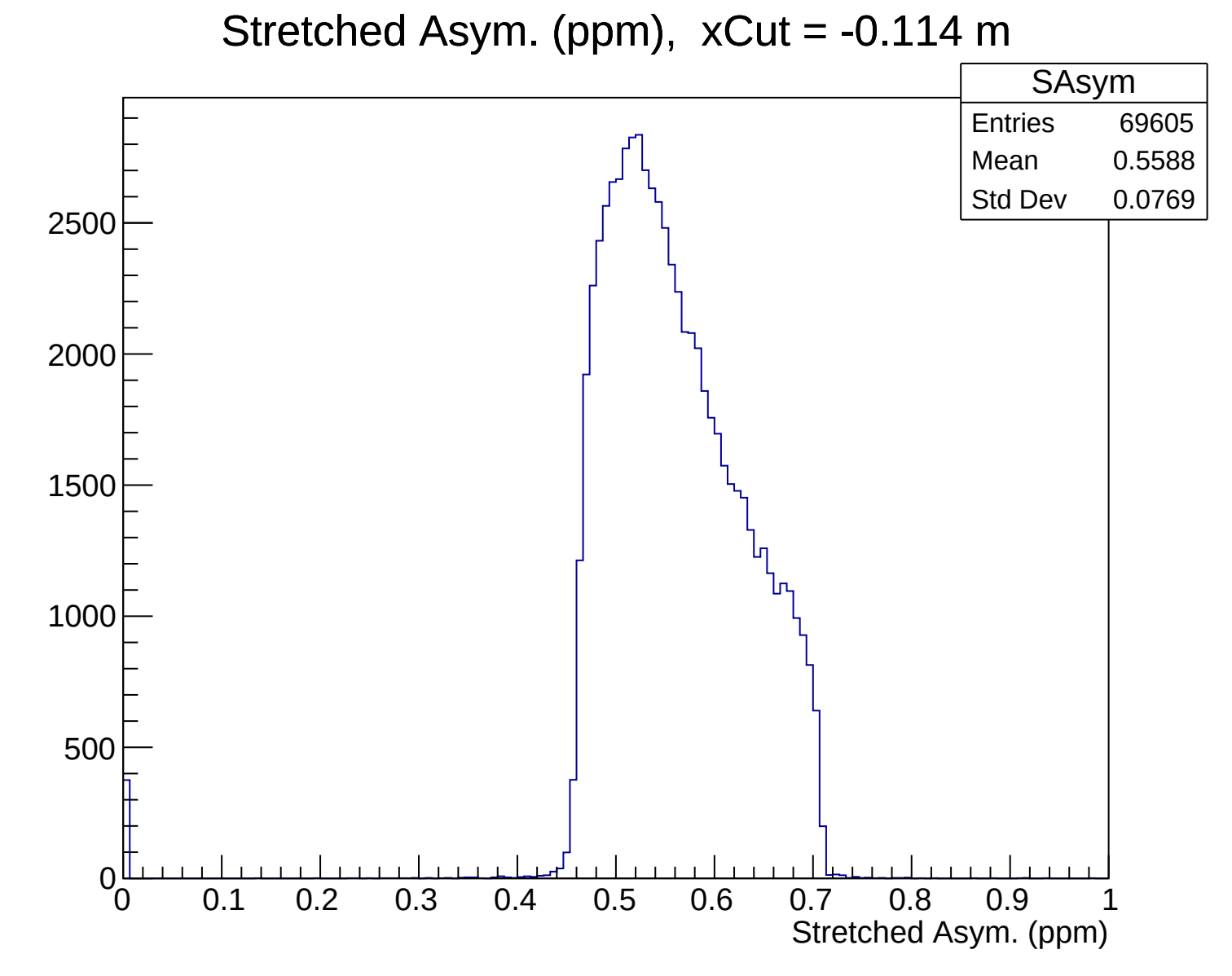

Projected y on detector plane
hy1
Entries 58981
Mean 0.002455
Std Dev 0.007716
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

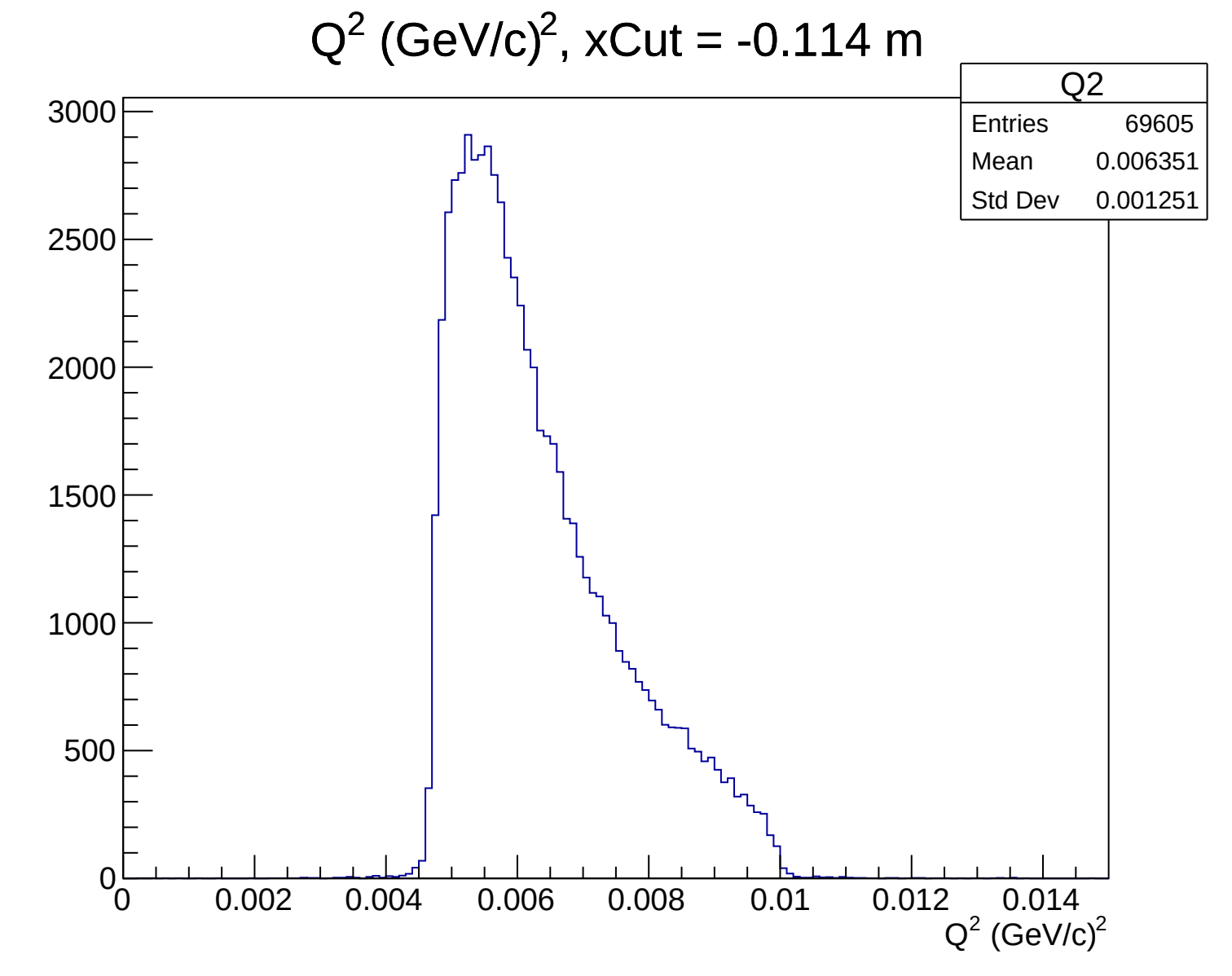

Projected x on detector plane
hx1
Entries 109657
Mean −0.05434
Std Dev 0.03096
All events
US accepted
US missed
Peak = -0.0391
Edge = -0.0760
x_cut = -0.114
R.tr.x[0]+1.3*R.tr.th[0] (m)

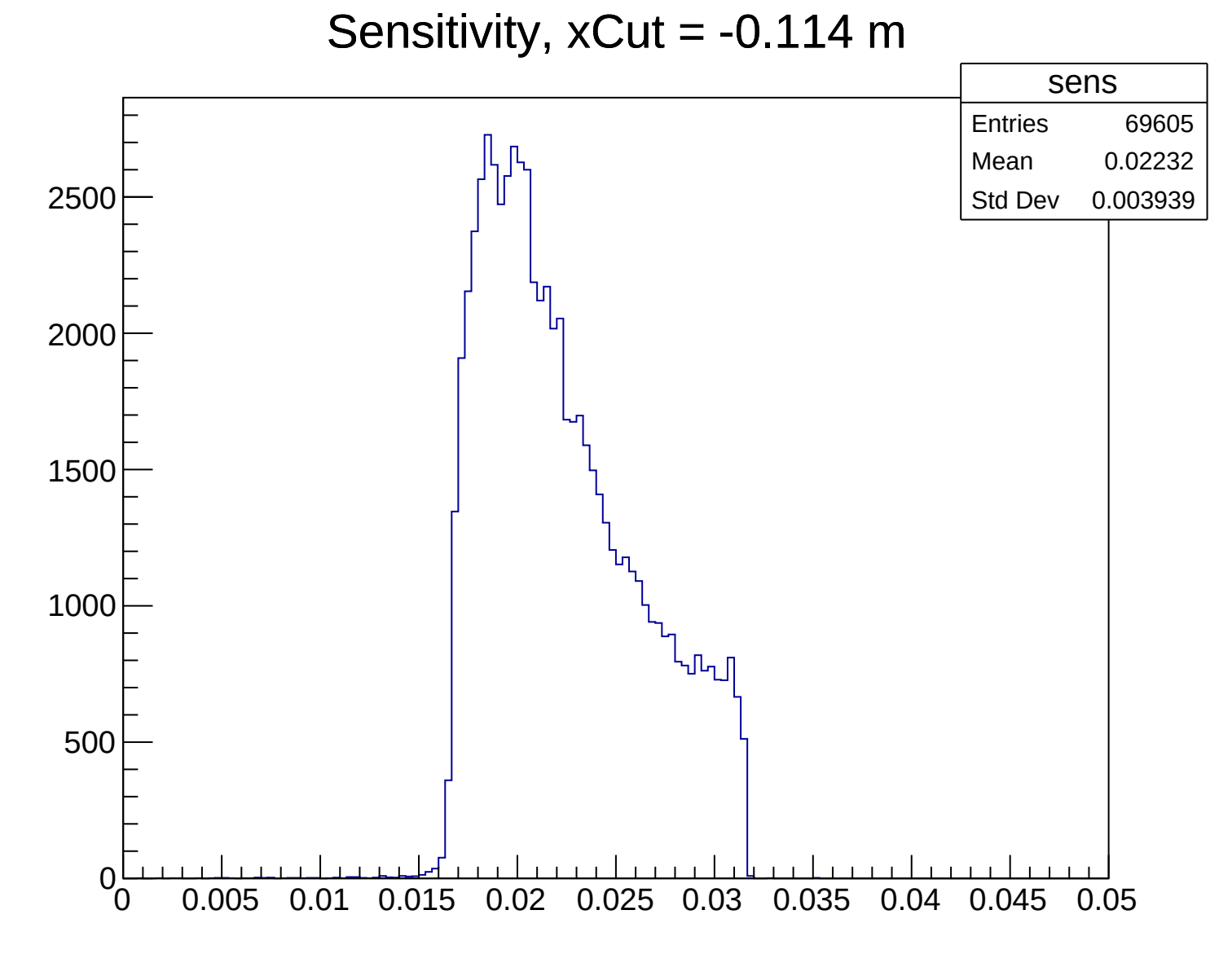

Projected x vs y w/ up_adc cut
h2d2
Entries 52720
Mean x 0.002384
Mean y −0.04082
Std Dev x 0.007409
Std Dev y 0.01771
Projected x (m)
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 69605
Mean 4.794
Std Dev 0.461
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 69605
Mean 0.5718
Std Dev 0.08071
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 = -0.114 m
SAsym
Entries 69605
Mean 0.5588
Std Dev 0.0769
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 = -0.114 m
Q2
Entries 69605
Mean 0.006351
Std Dev 0.001251
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 = -0.114 m
sens
Entries 69605
Mean 0.02232
Std Dev 0.003939
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