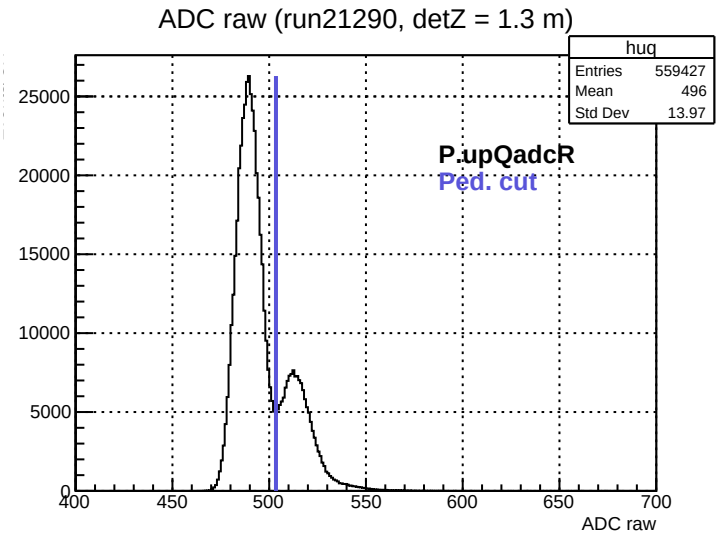
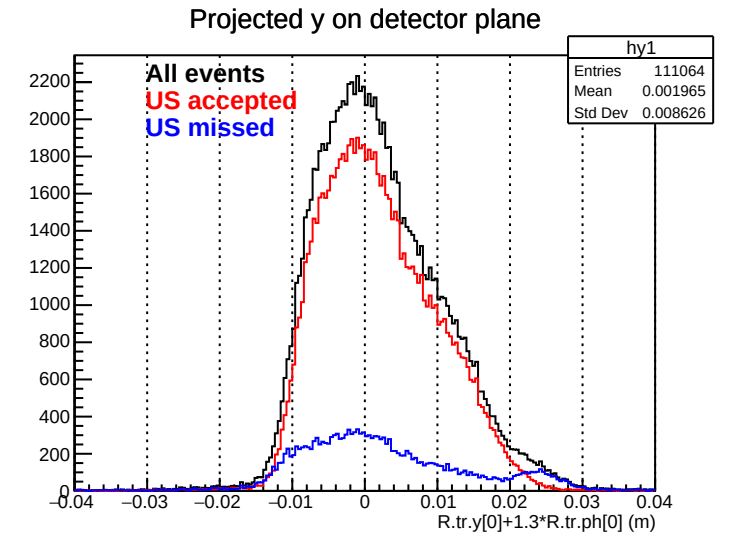
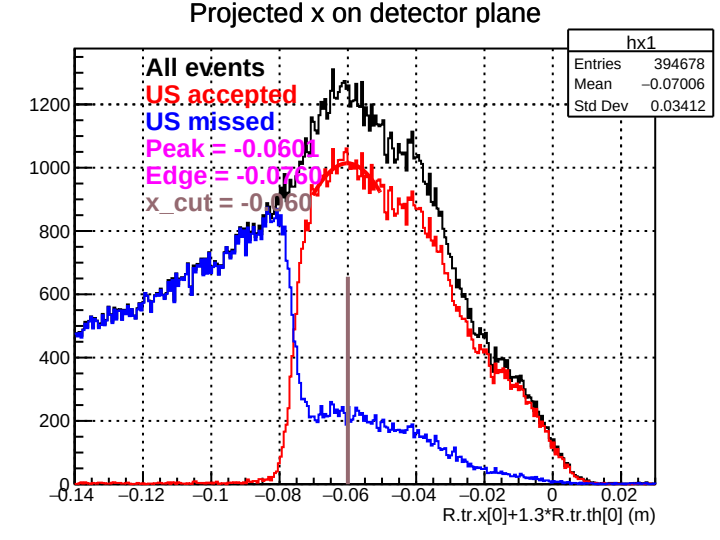
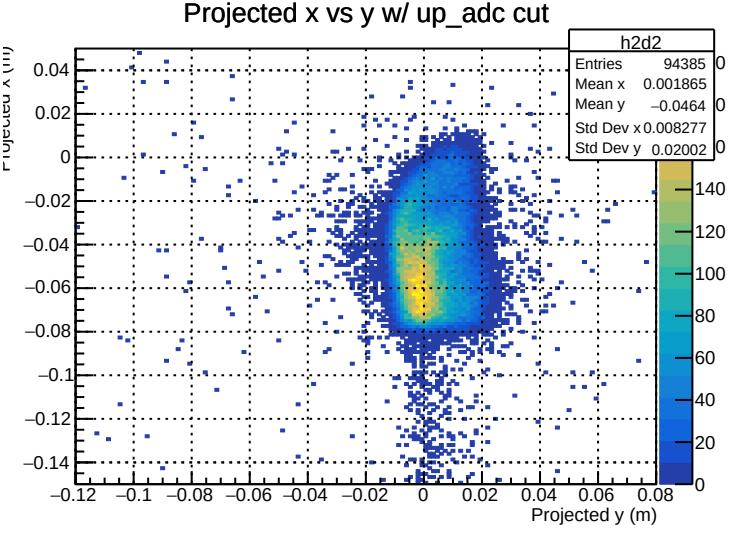
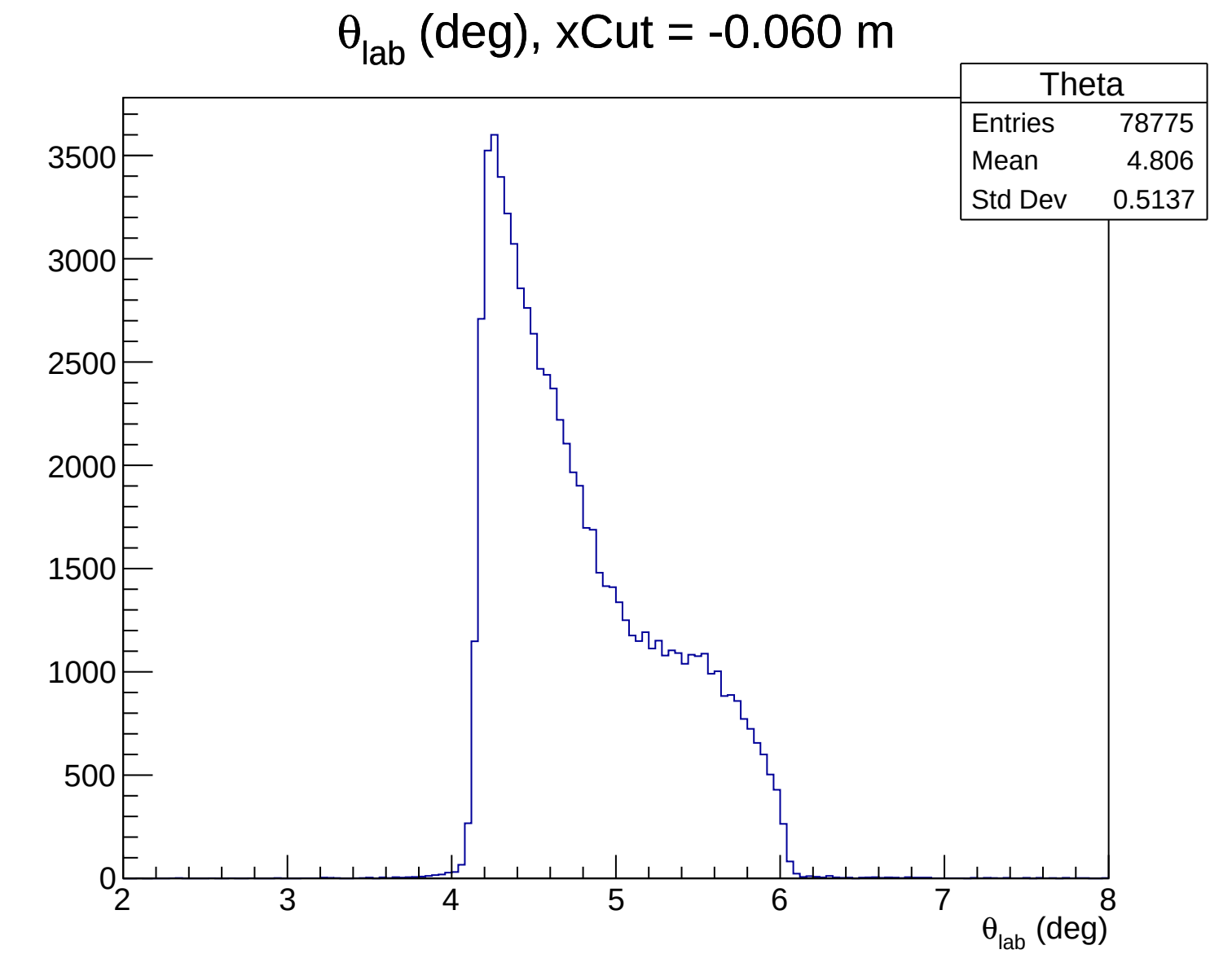
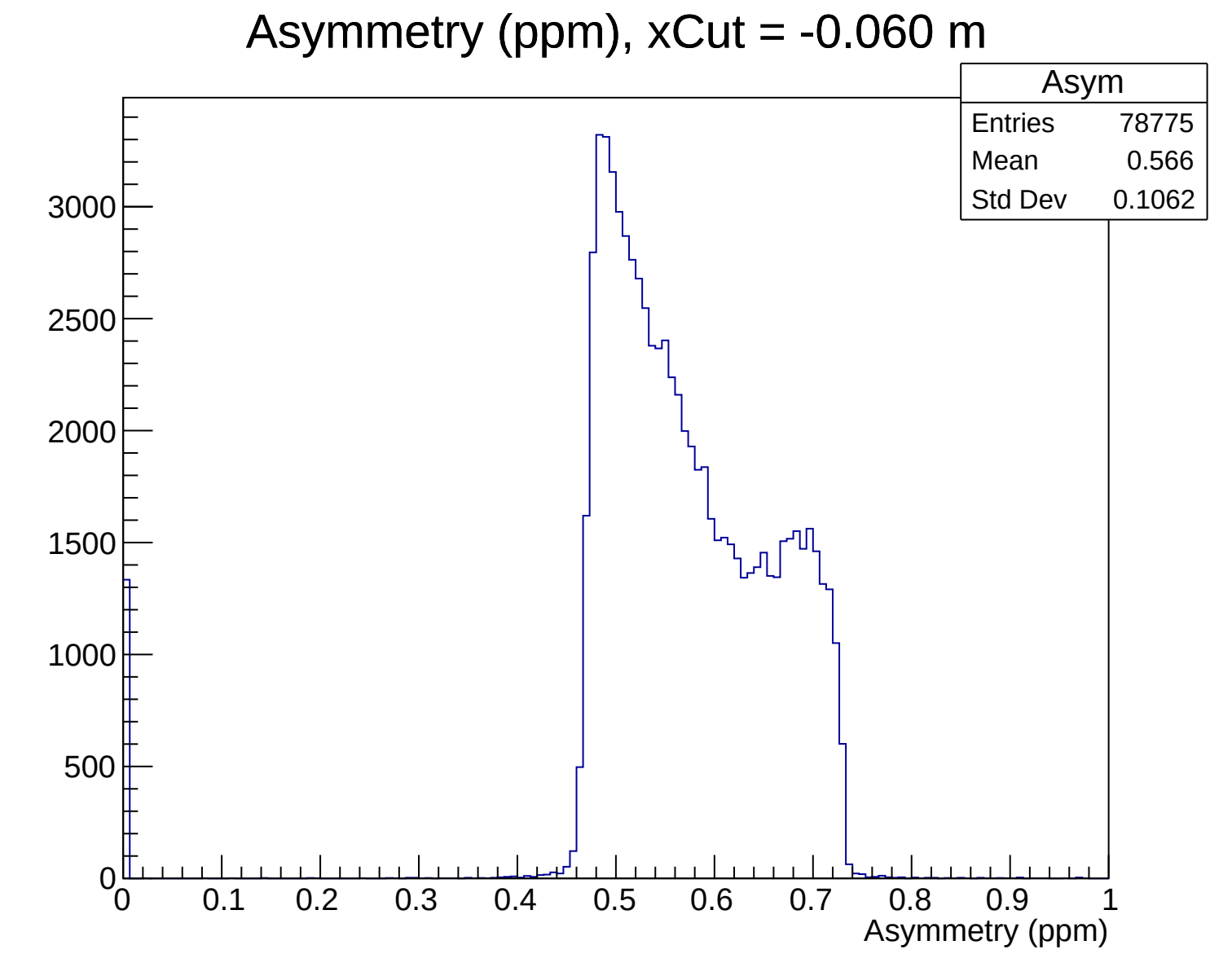

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

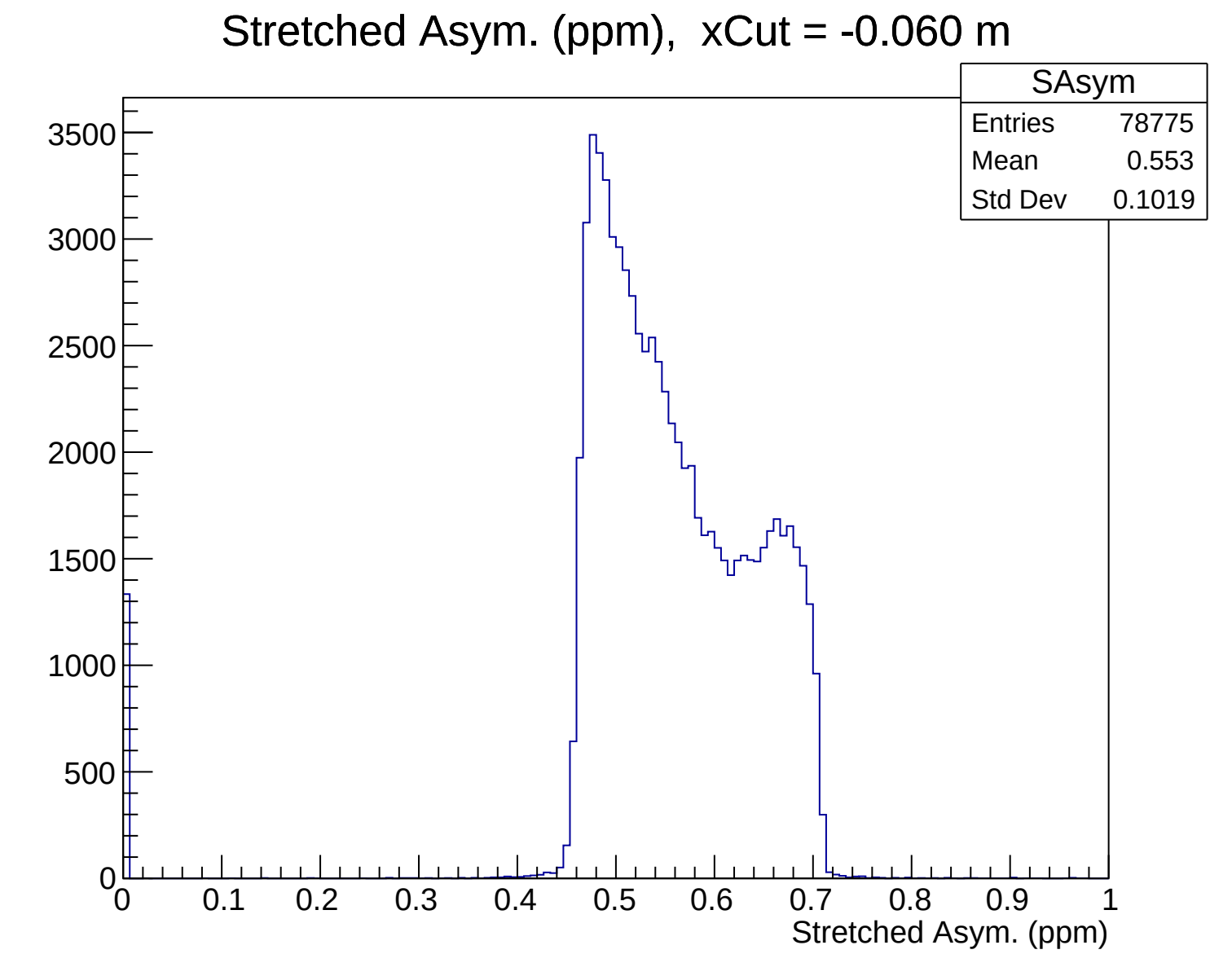

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

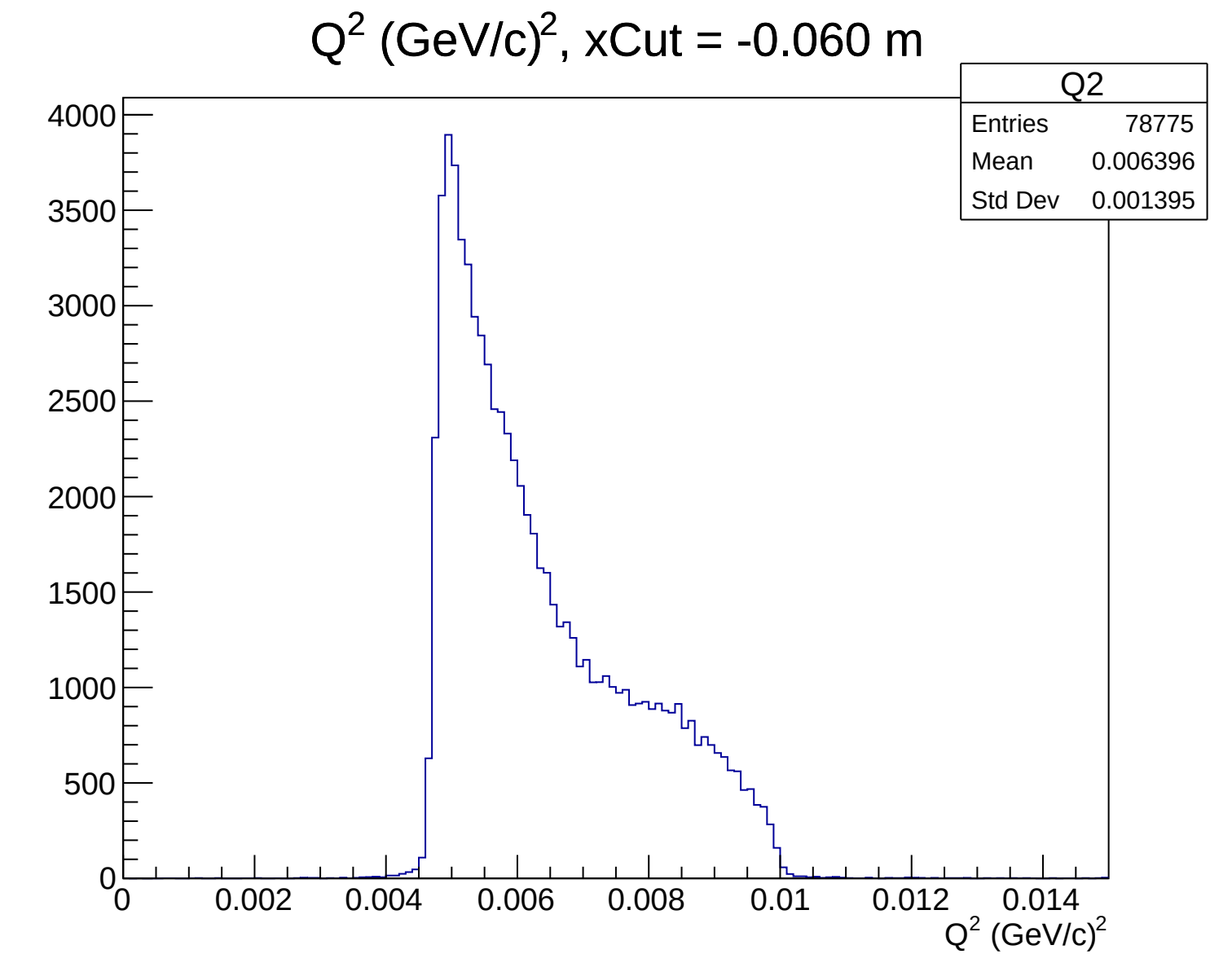

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.060
R.tr.x[0]+1.3*R.tr.th[0] (m)

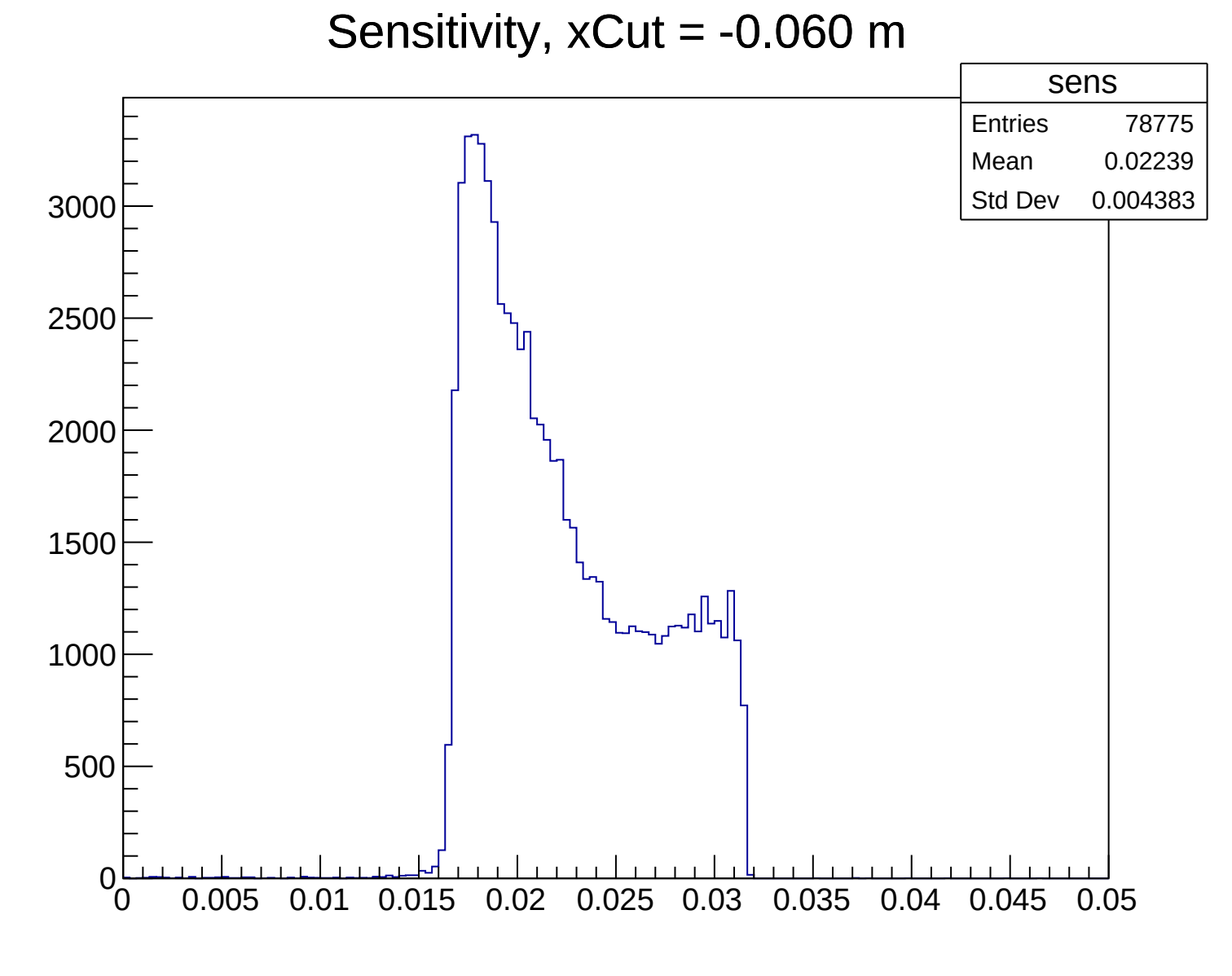

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

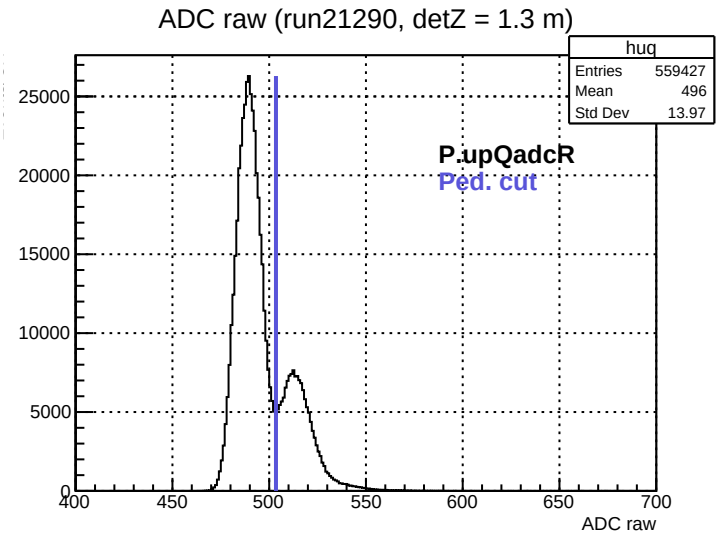

θlab (deg), xCut = -0.060 m
Theta
Entries 78775
Mean 4.806
Std Dev 0.5137
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

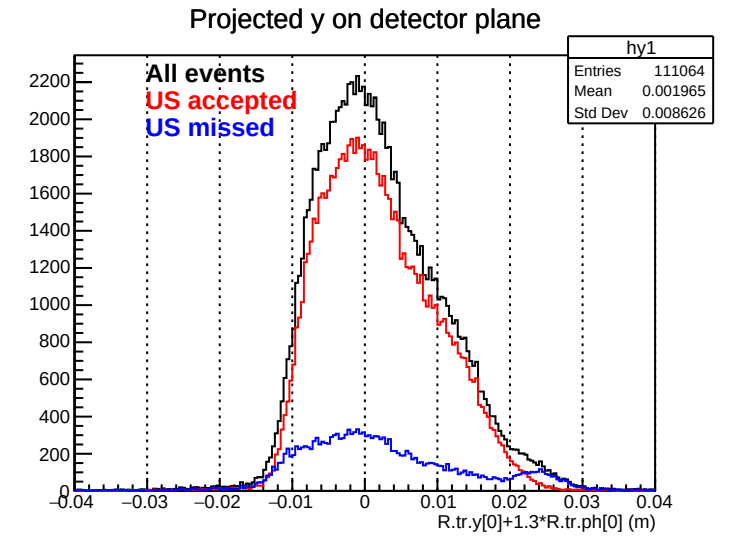

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 78775
Mean 0.566
Std Dev 0.1062
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

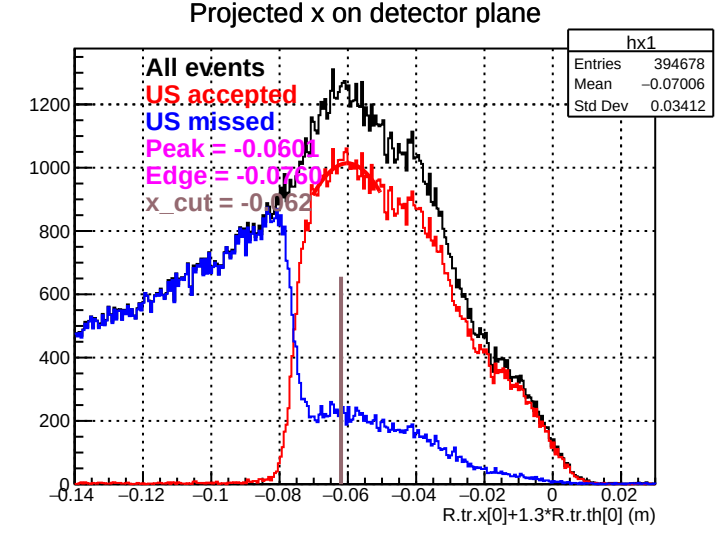

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 78775
Mean 0.553
Std Dev 0.1019
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

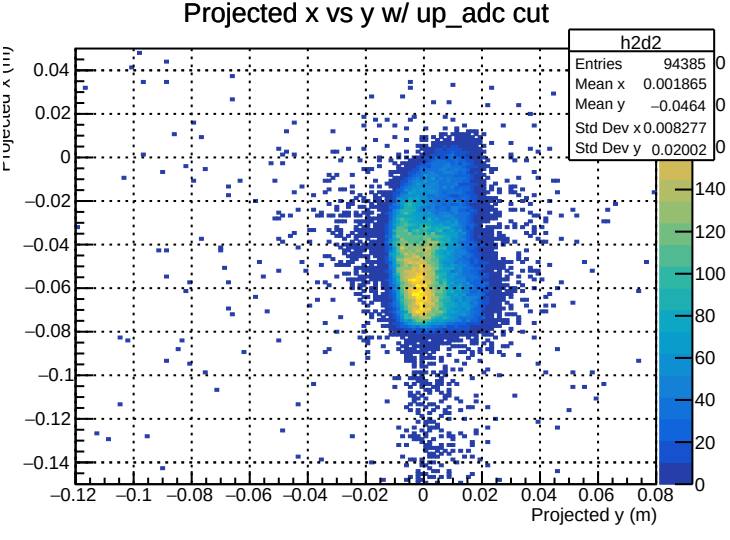

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 78775
Mean 0.006396
Std Dev 0.001395
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

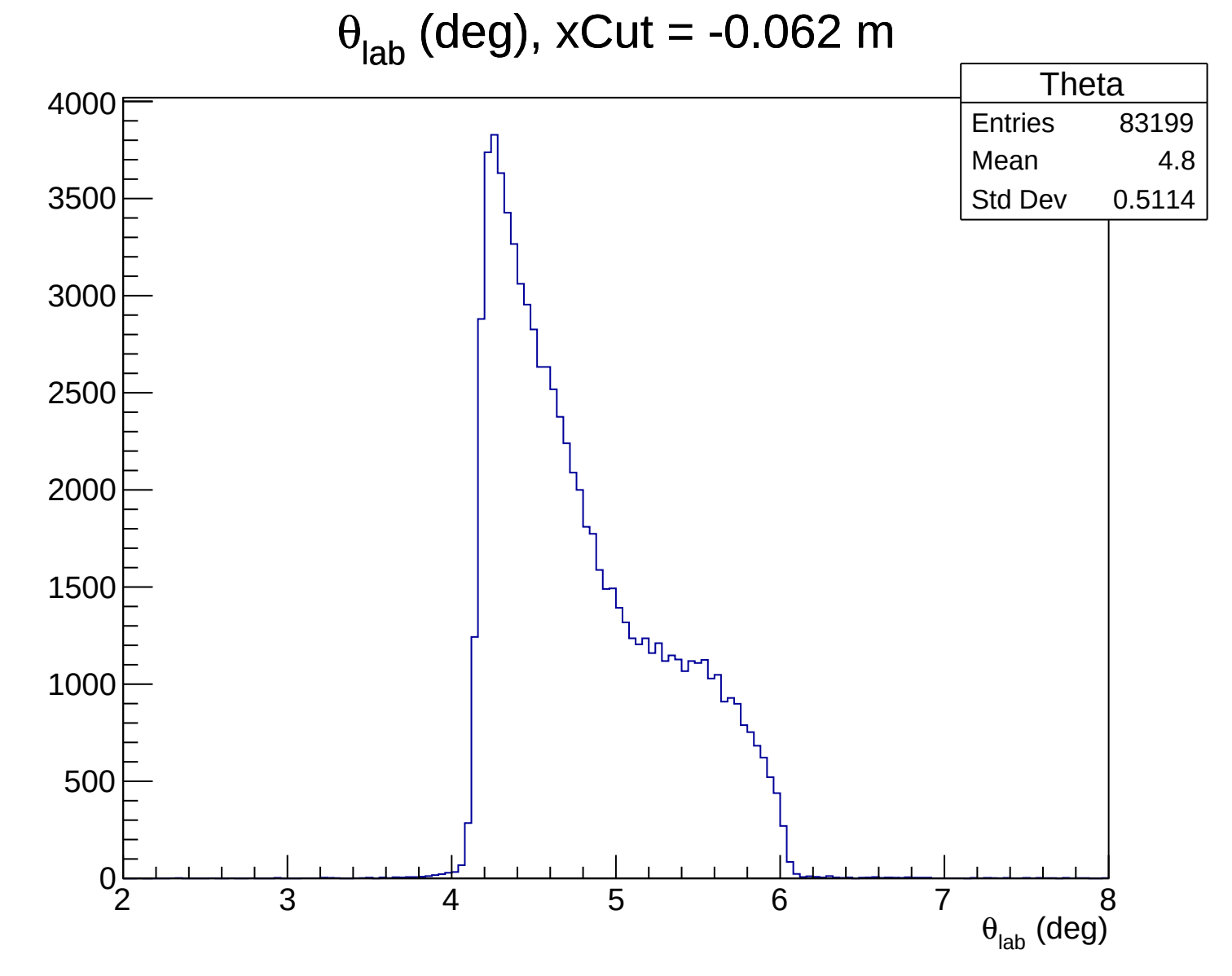

Sensitivity, xCut = -0.060 m
sens
Entries 78775
Mean 0.02239
Std Dev 0.004383
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

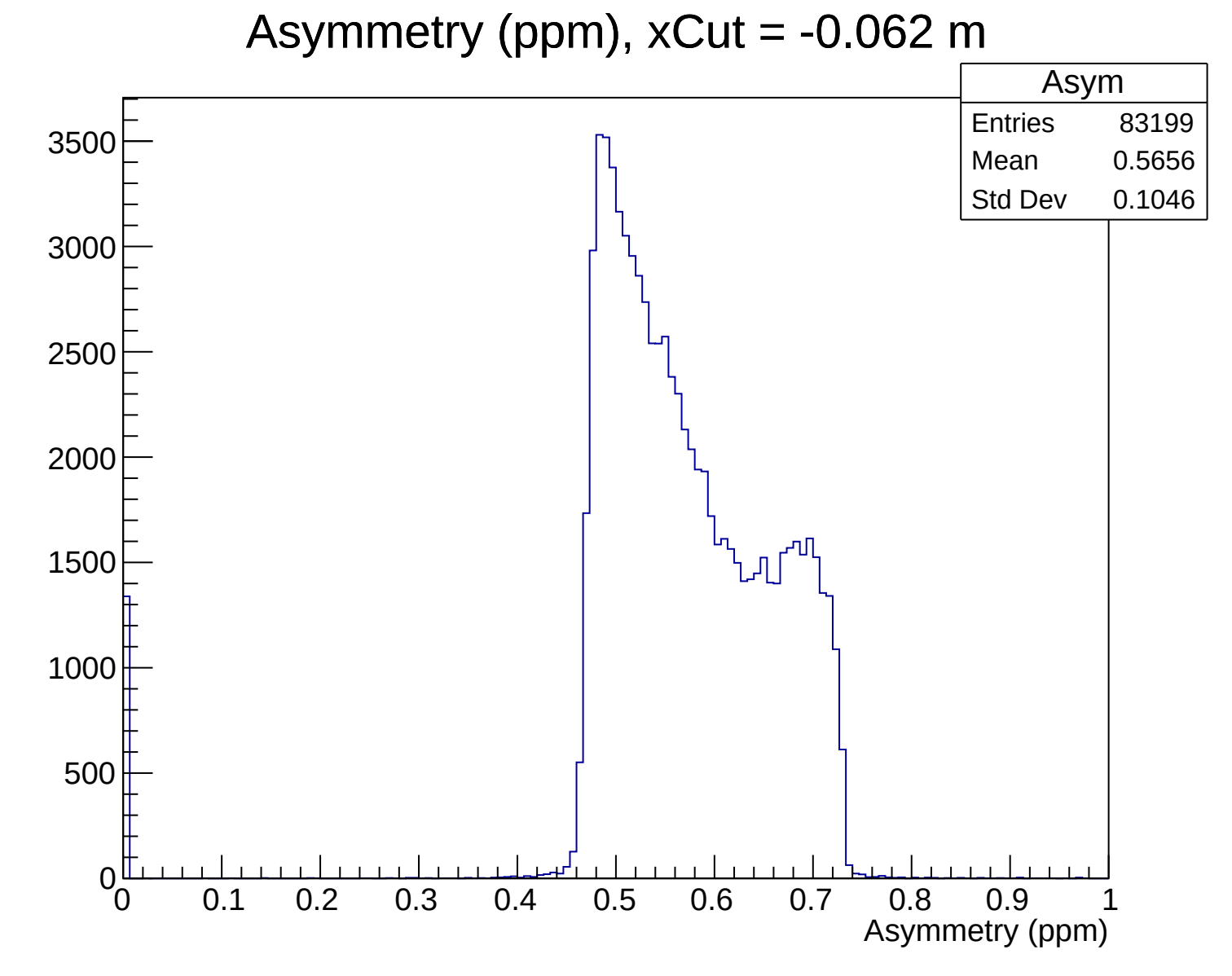

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

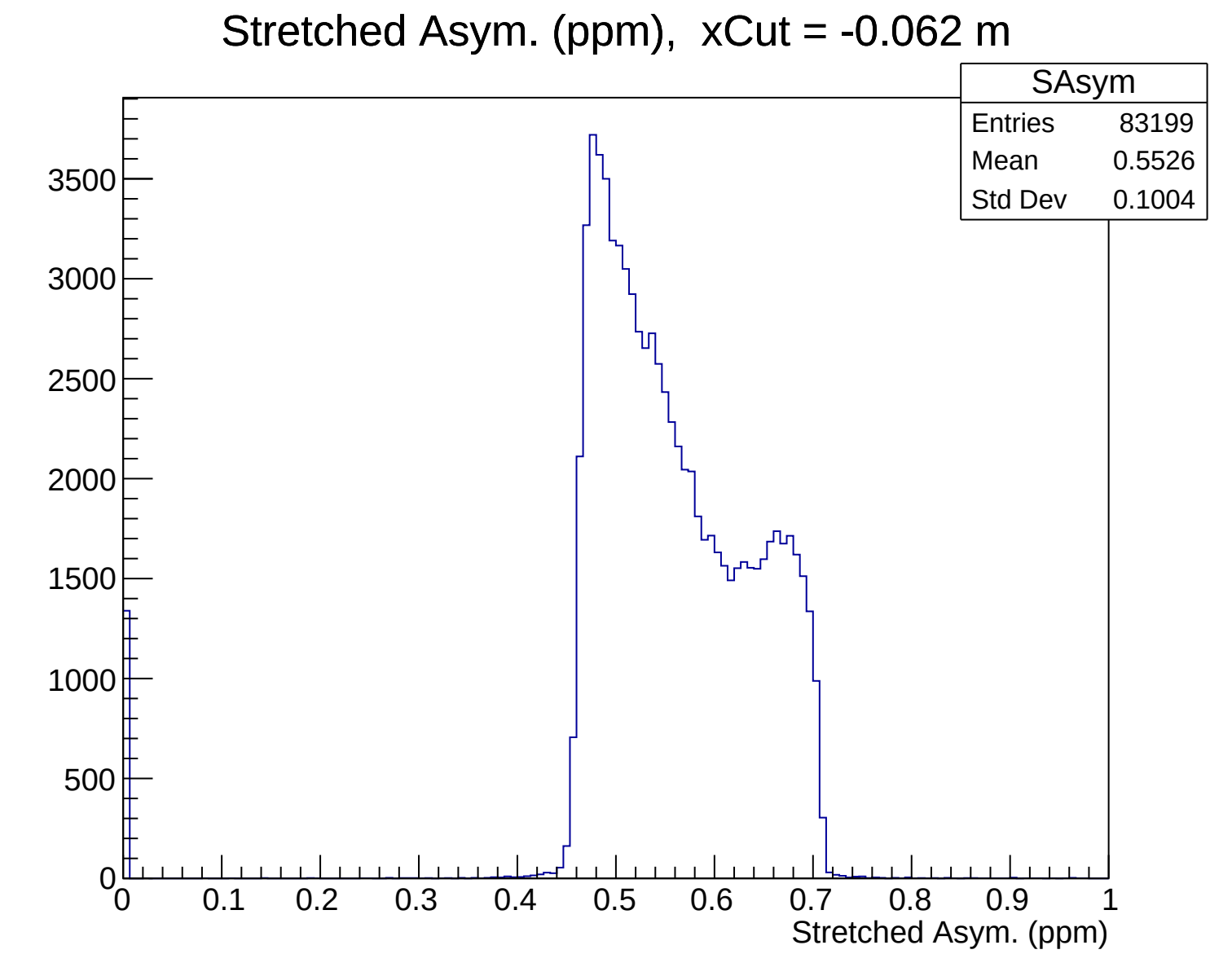

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

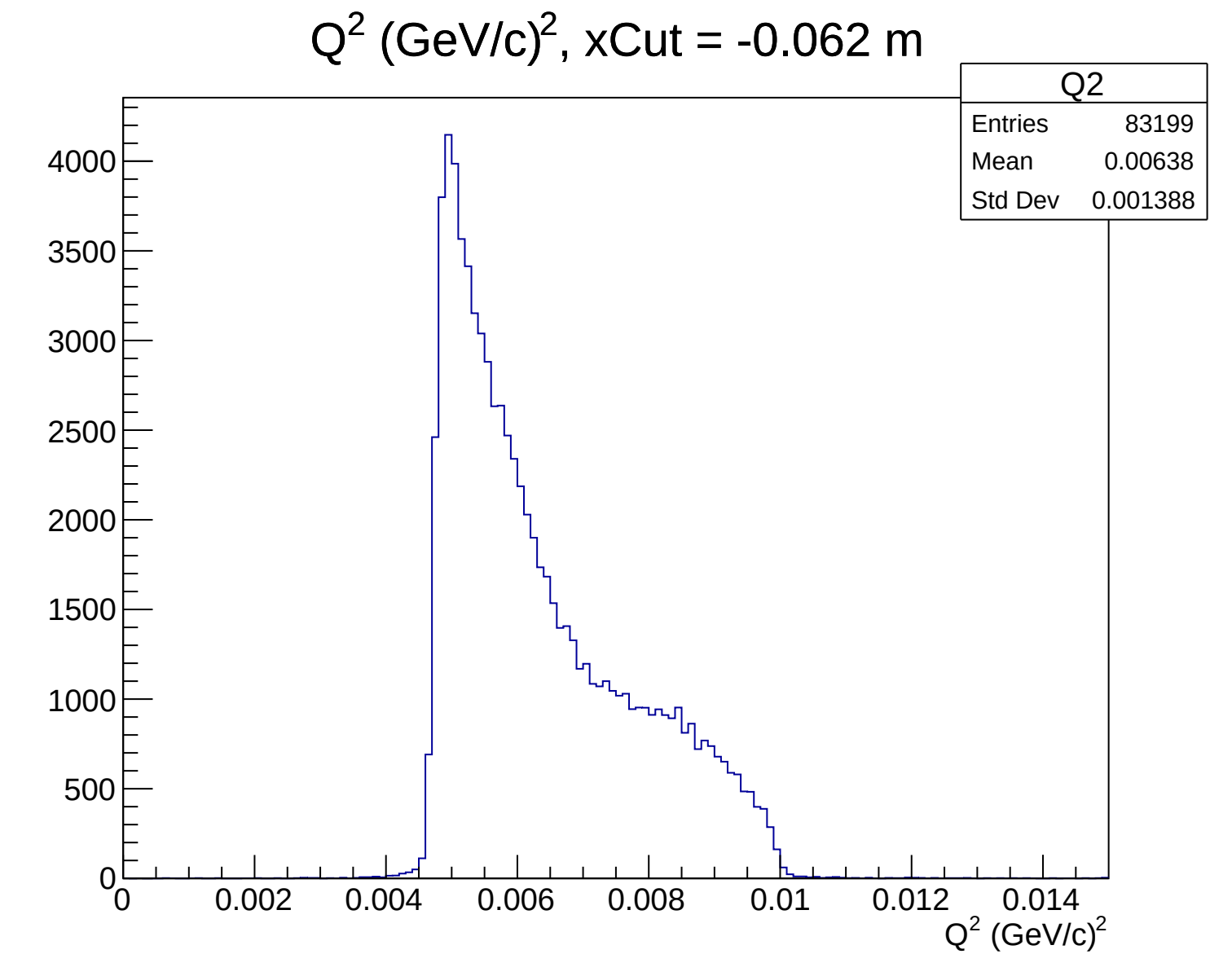

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.062
R.tr.x[0]+1.3*R.tr.th[0] (m)

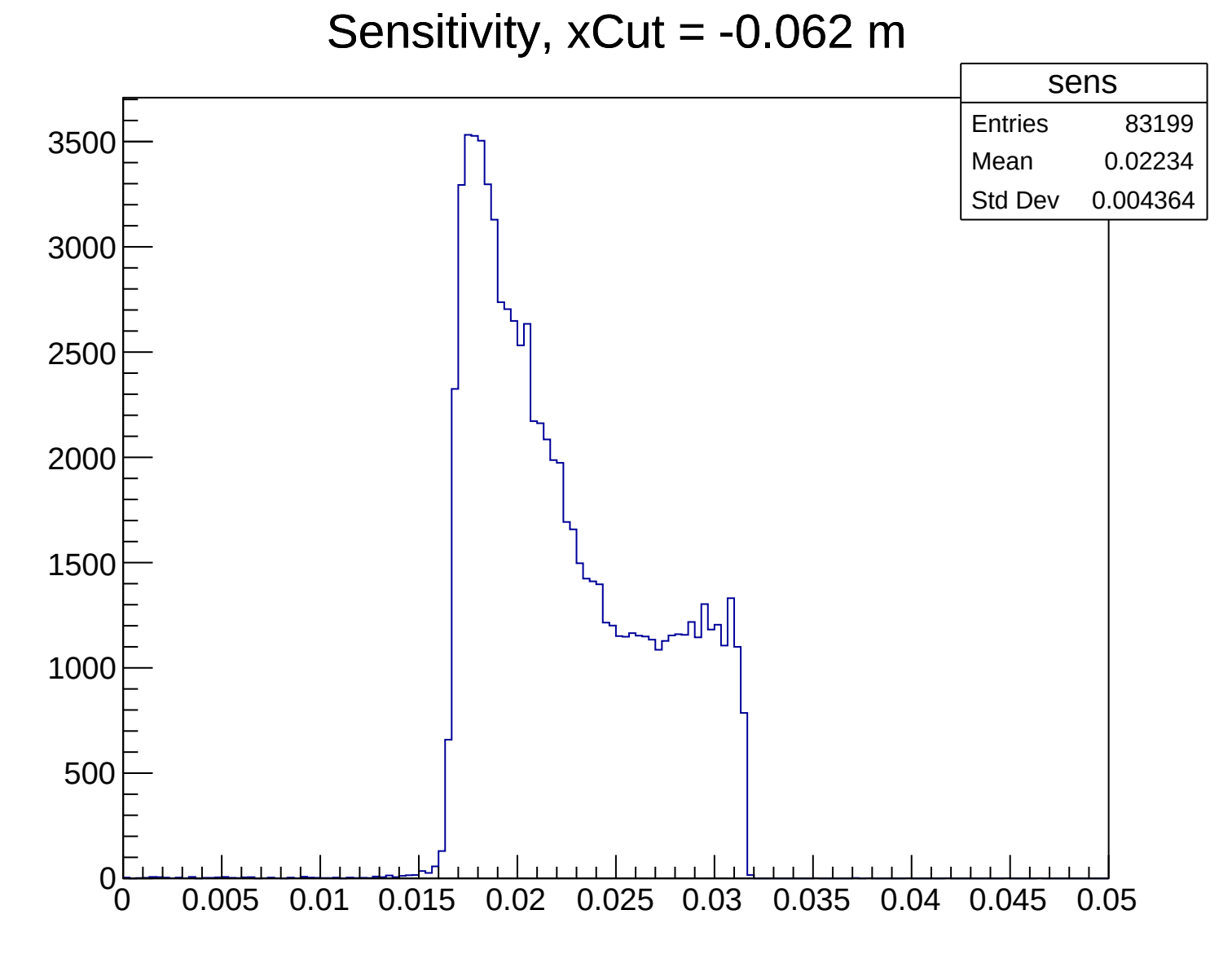

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

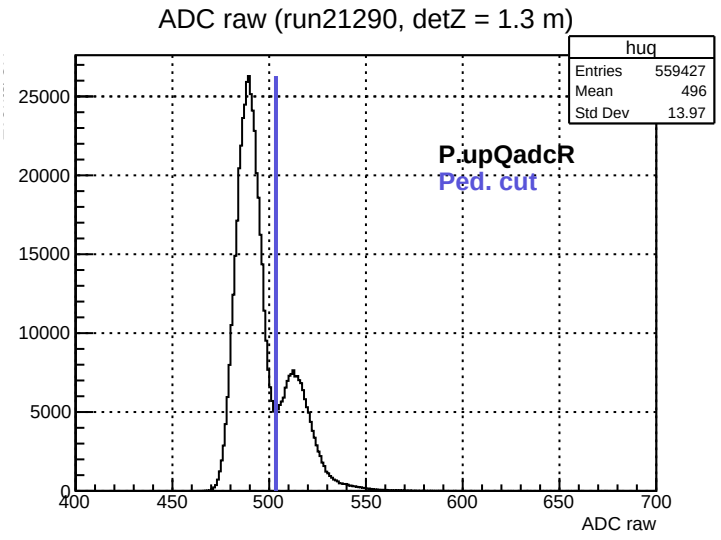

θlab (deg), xCut = -0.062 m
Theta
Entries 83199
Mean 4.8
Std Dev 0.5114
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

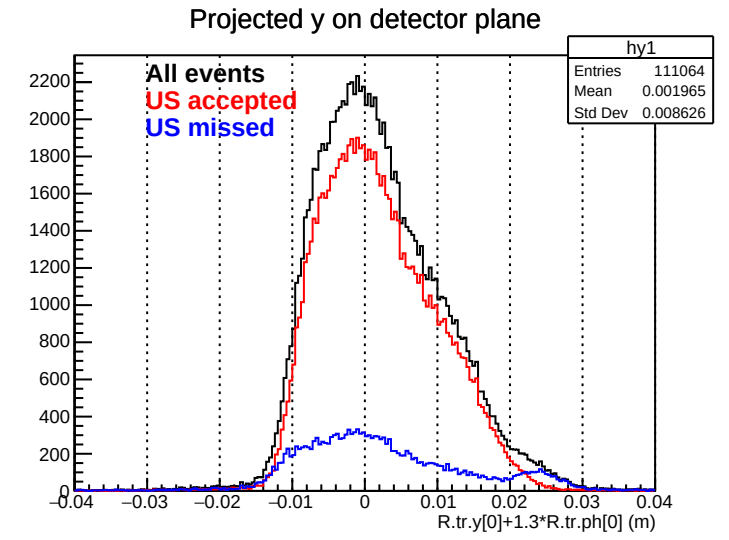

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 83199
Mean 0.5656
Std Dev 0.1046
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

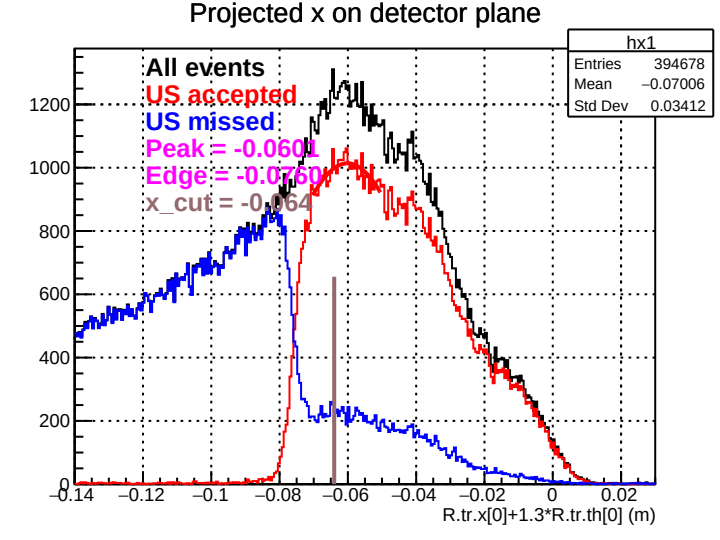

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 83199
Mean 0.5526
Std Dev 0.1004
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

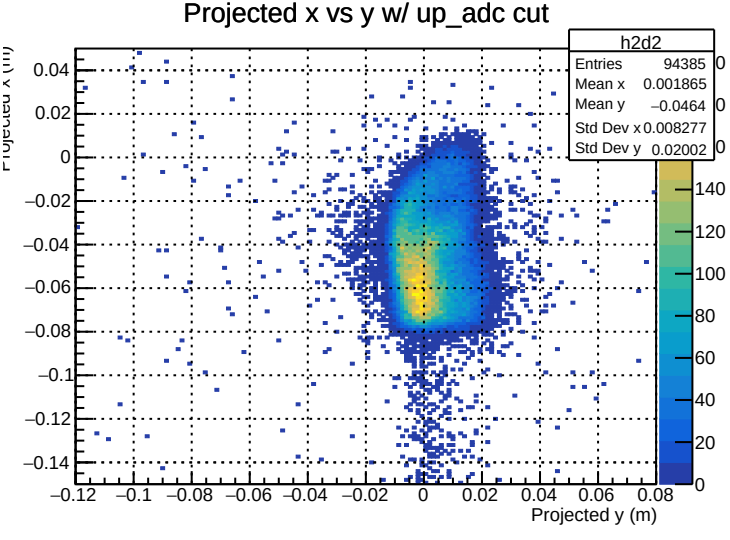

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 83199
Mean 0.00638
Std Dev 0.001388
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

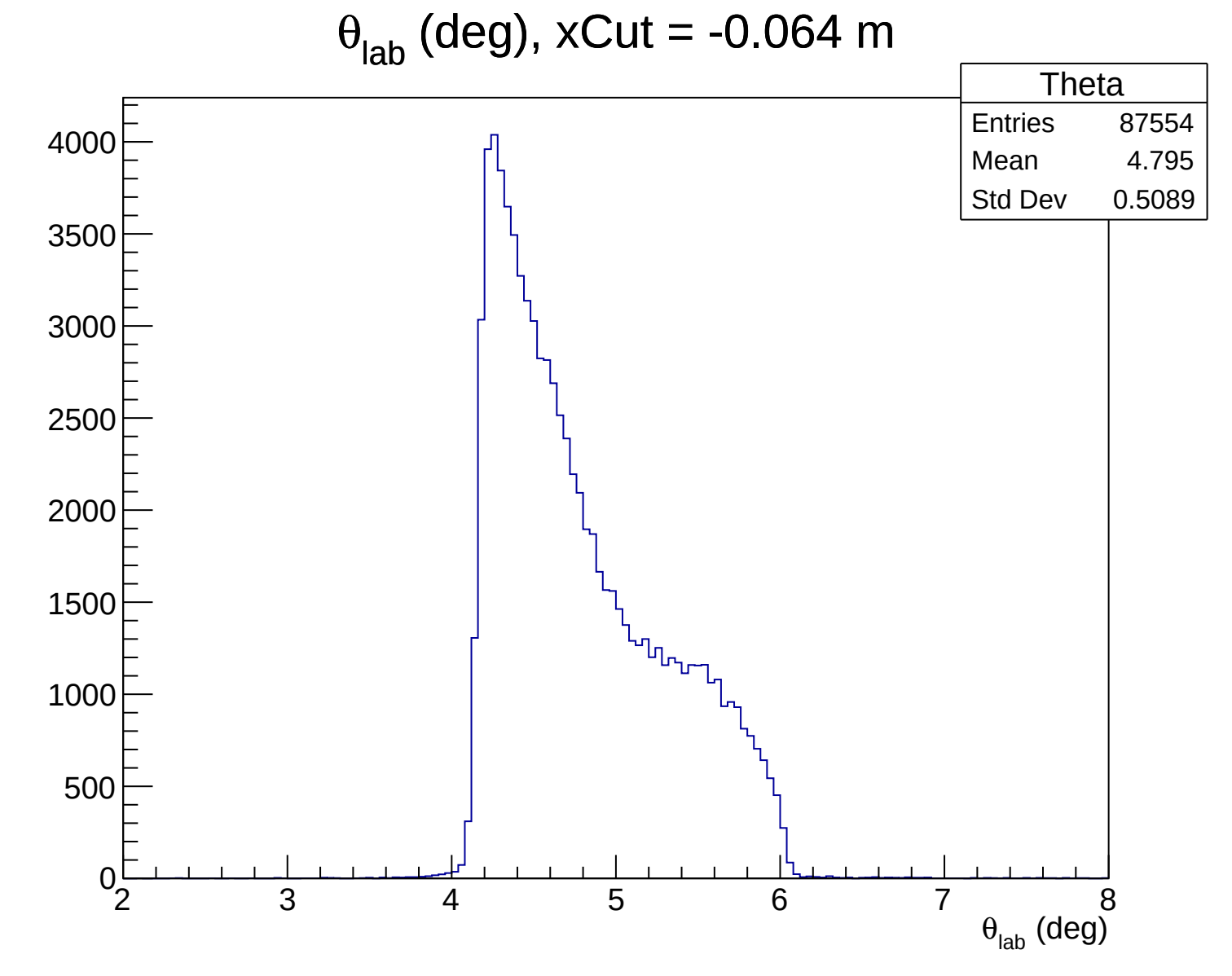

Sensitivity, xCut = -0.062 m
sens
Entries 83199
Mean 0.02234
Std Dev 0.004364
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

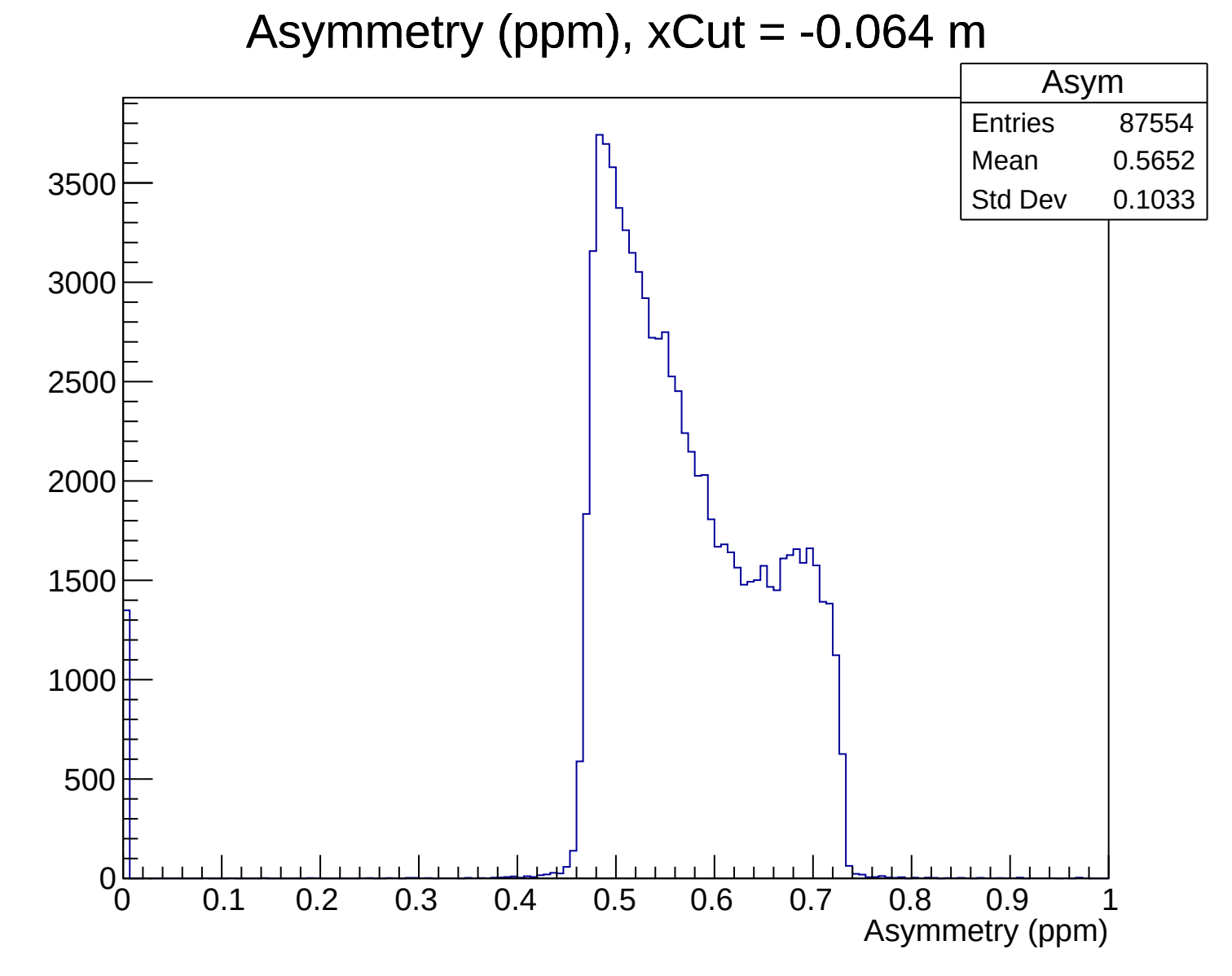

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

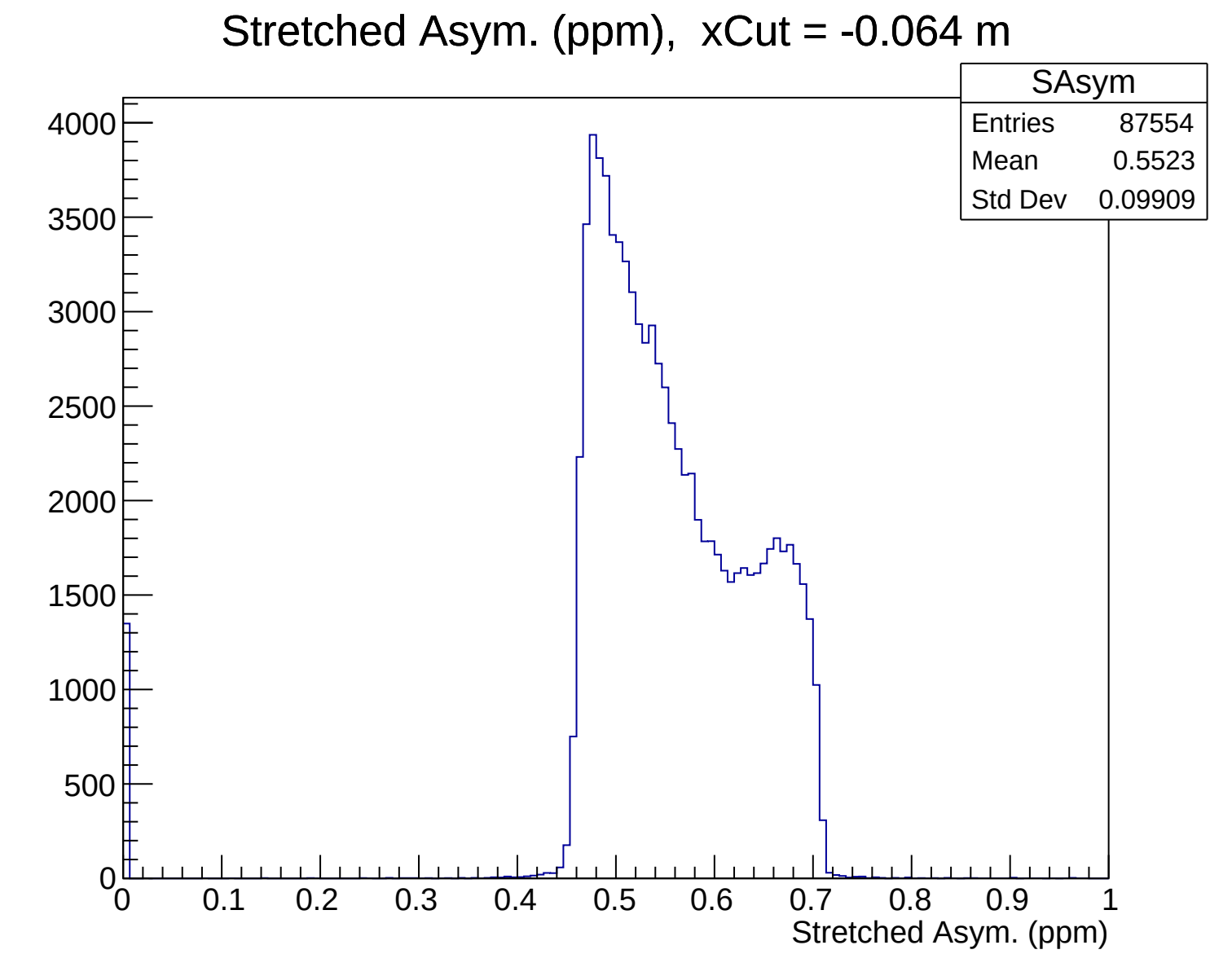

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

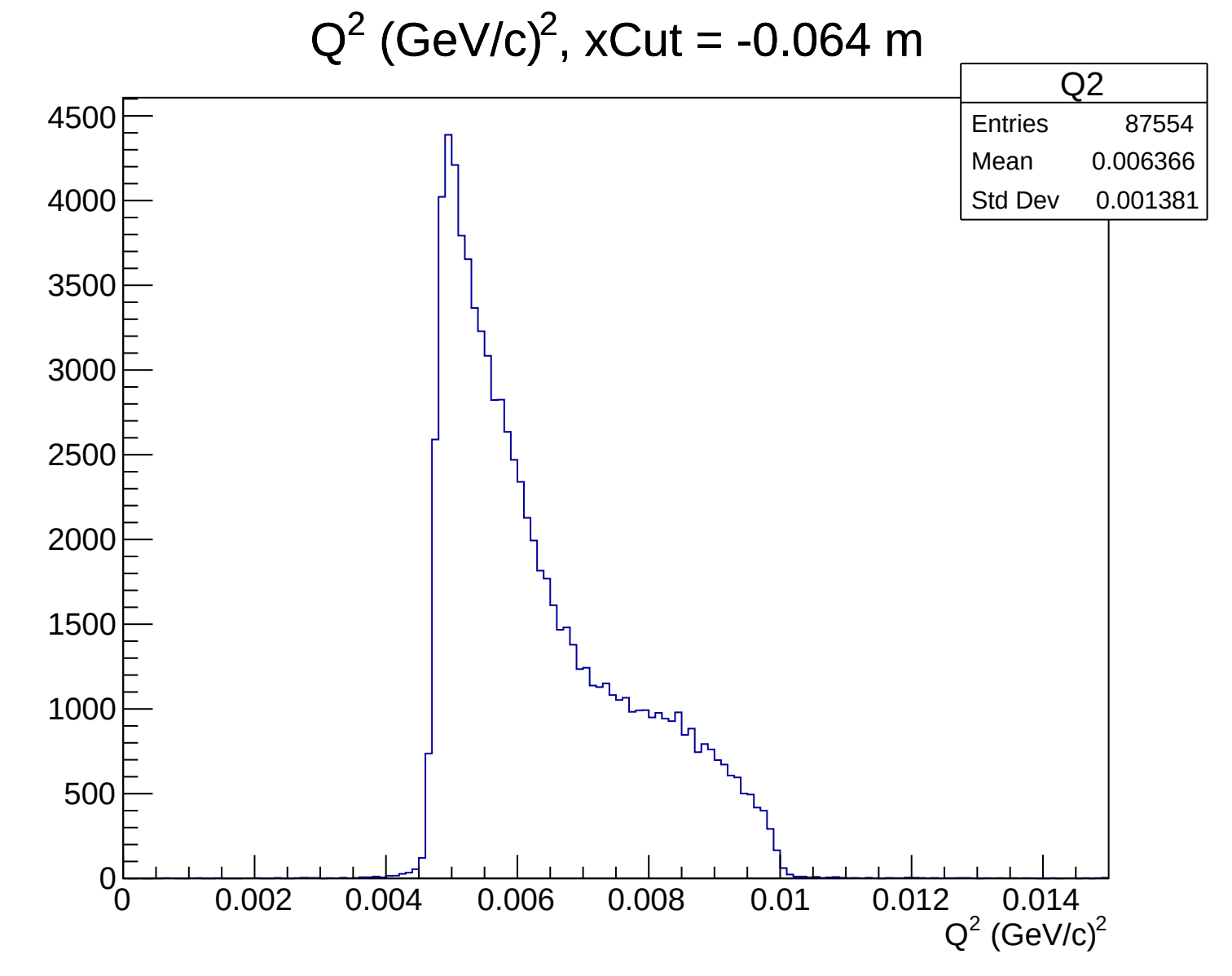

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.064
R.tr.x[0]+1.3*R.tr.th[0] (m)

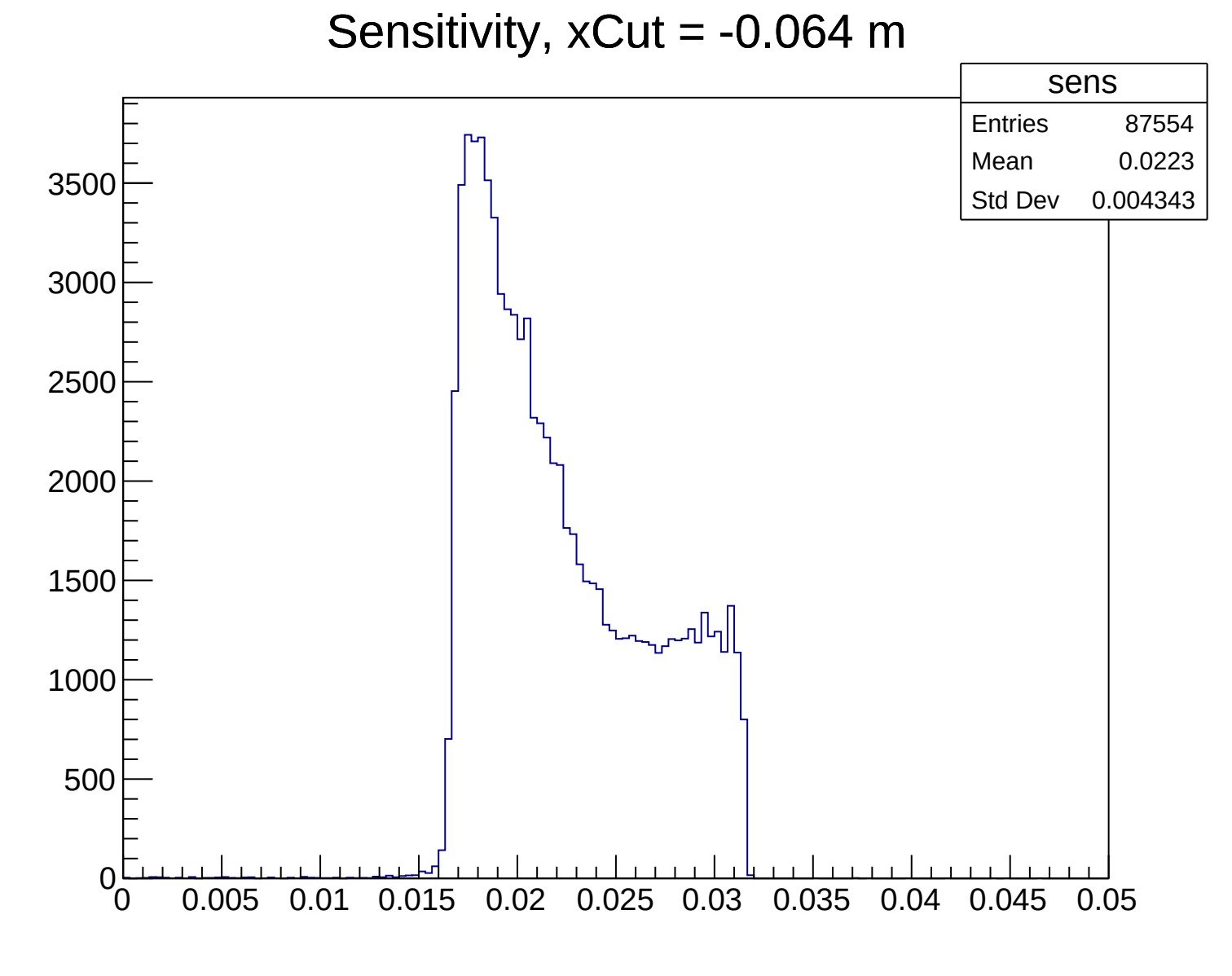

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

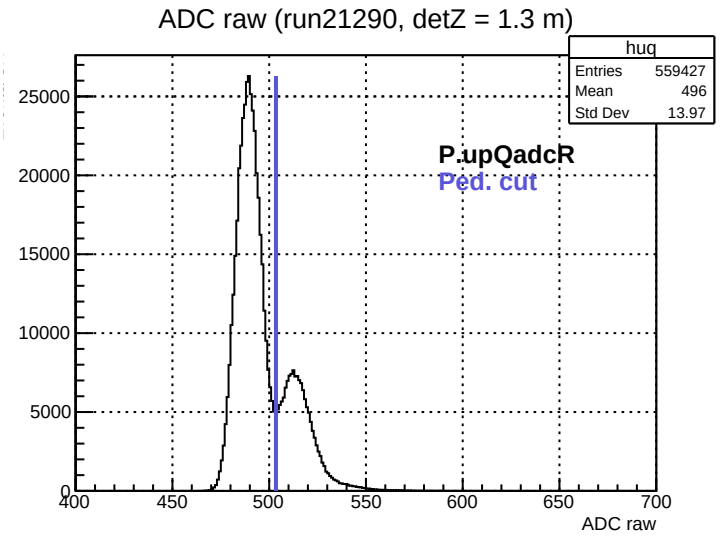

θlab (deg), xCut = -0.064 m
Theta
Entries 87554
Mean 4.795
Std Dev 0.5089
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

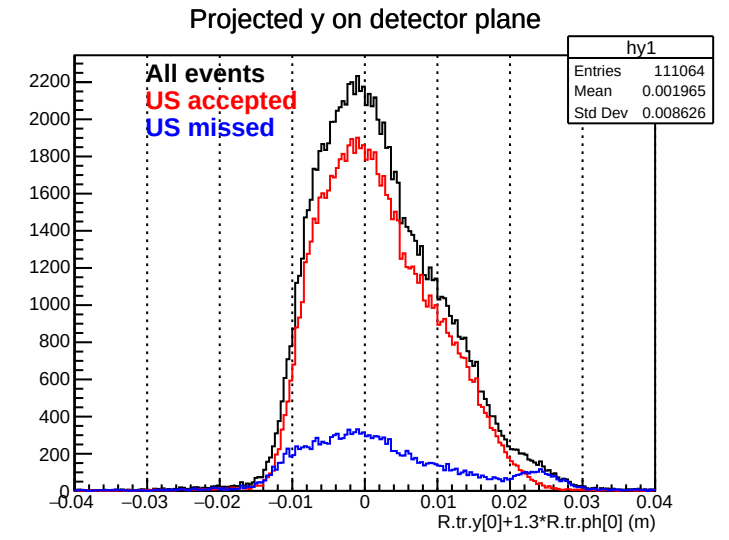

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 87554
Mean 0.5652
Std Dev 0.1033
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

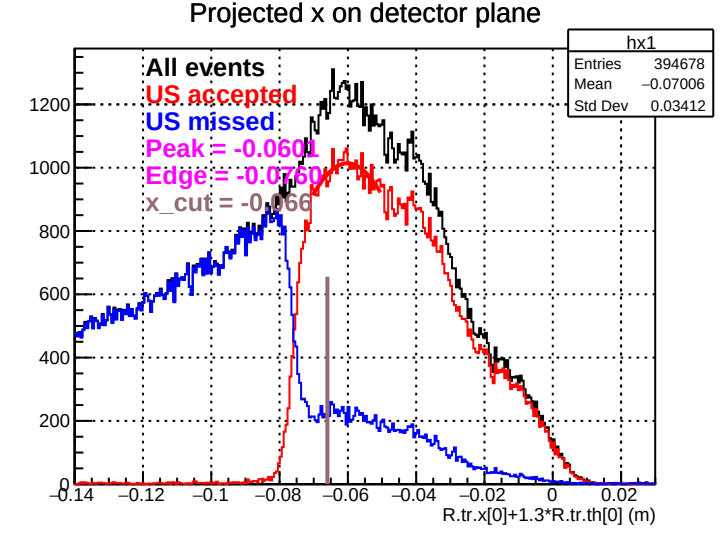

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 87554
Mean 0.5523
Std Dev 0.09909
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

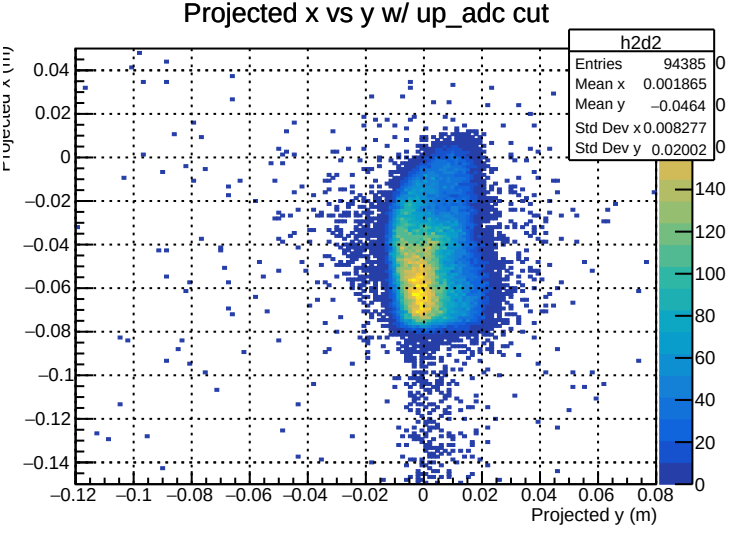

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 87554
Mean 0.006366
Std Dev 0.001381
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

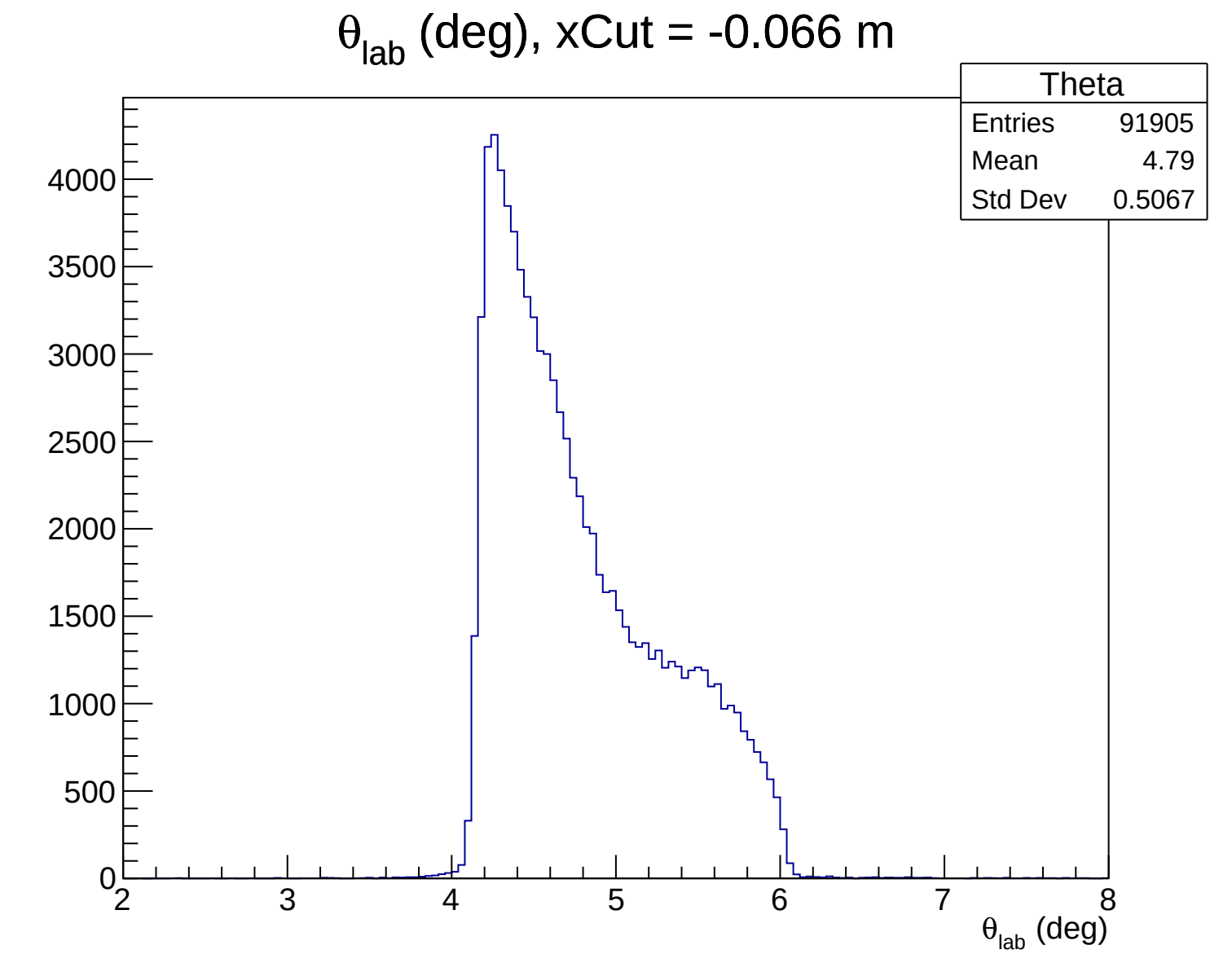

Sensitivity, xCut = -0.064 m
sens
Entries 87554
Mean 0.0223
Std Dev 0.004343
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

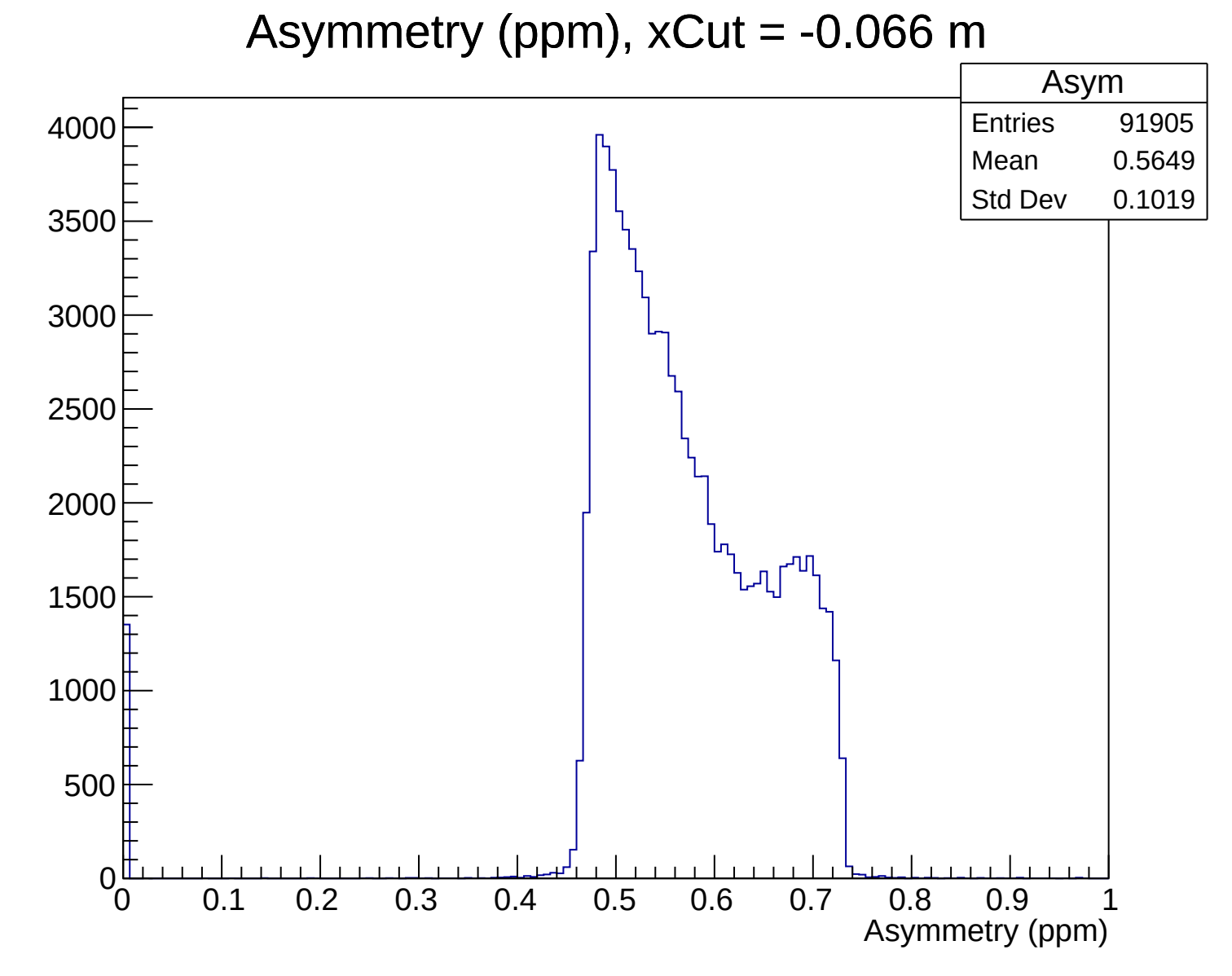

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

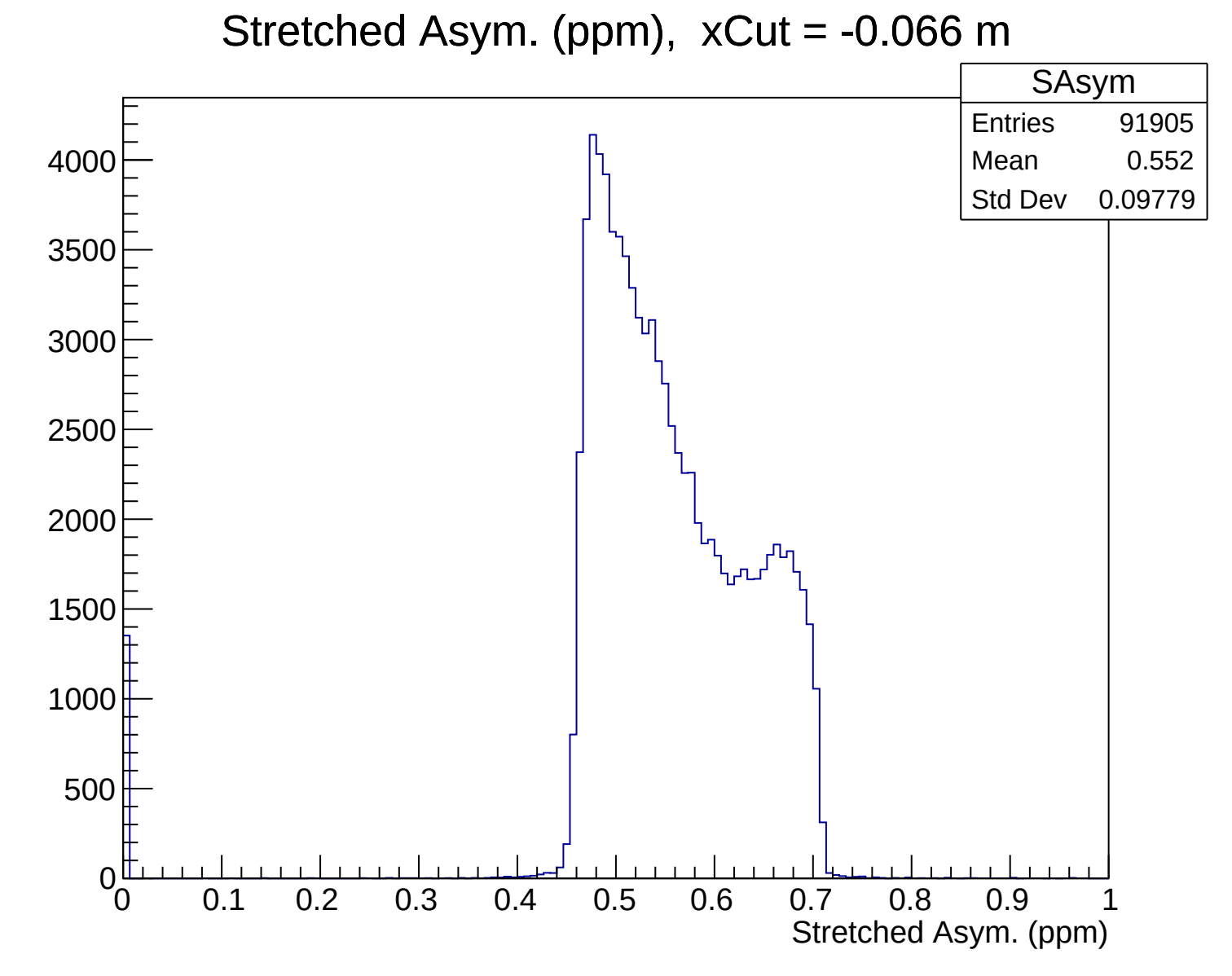

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

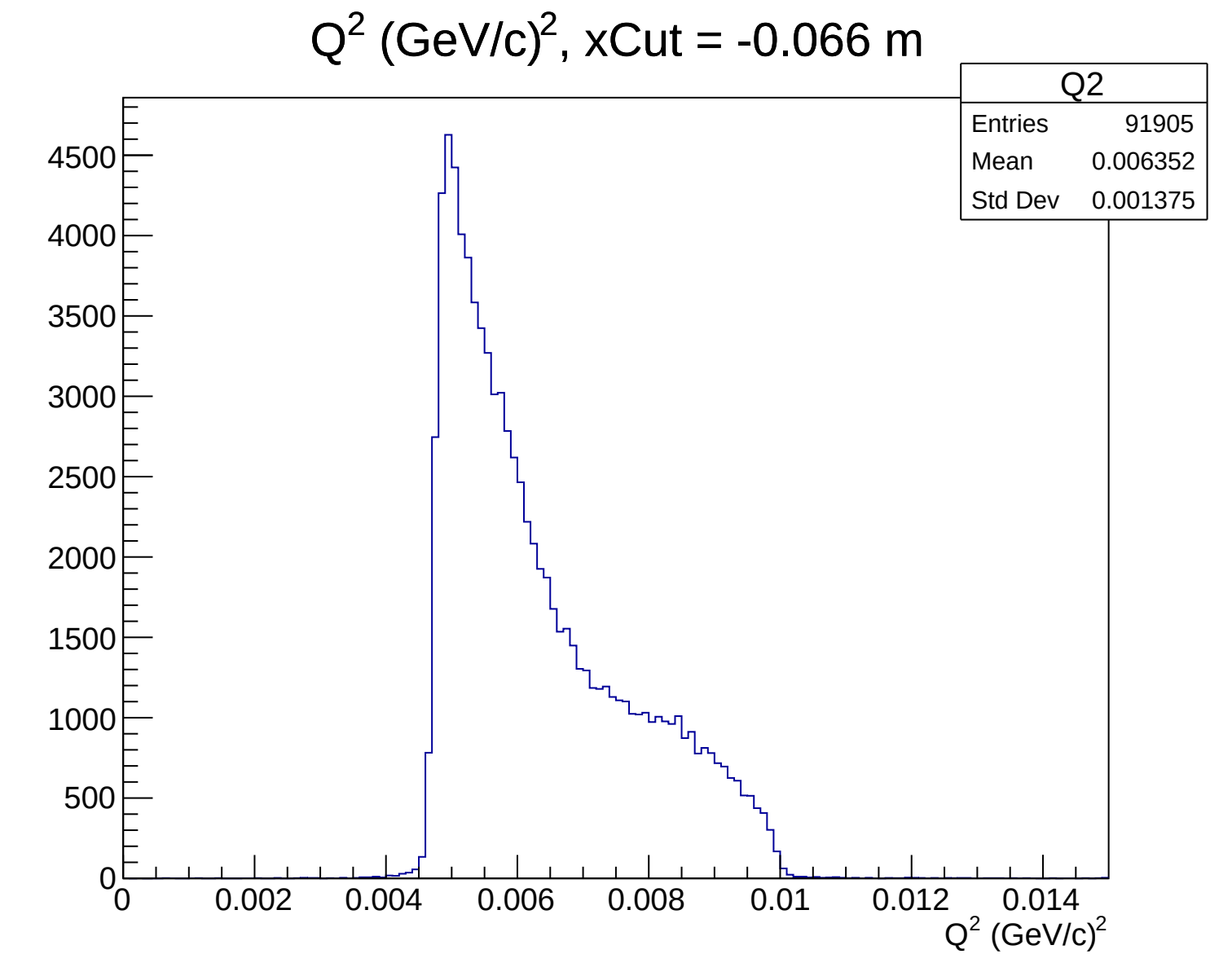

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.066
R.tr.x[0]+1.3*R.tr.th[0] (m)

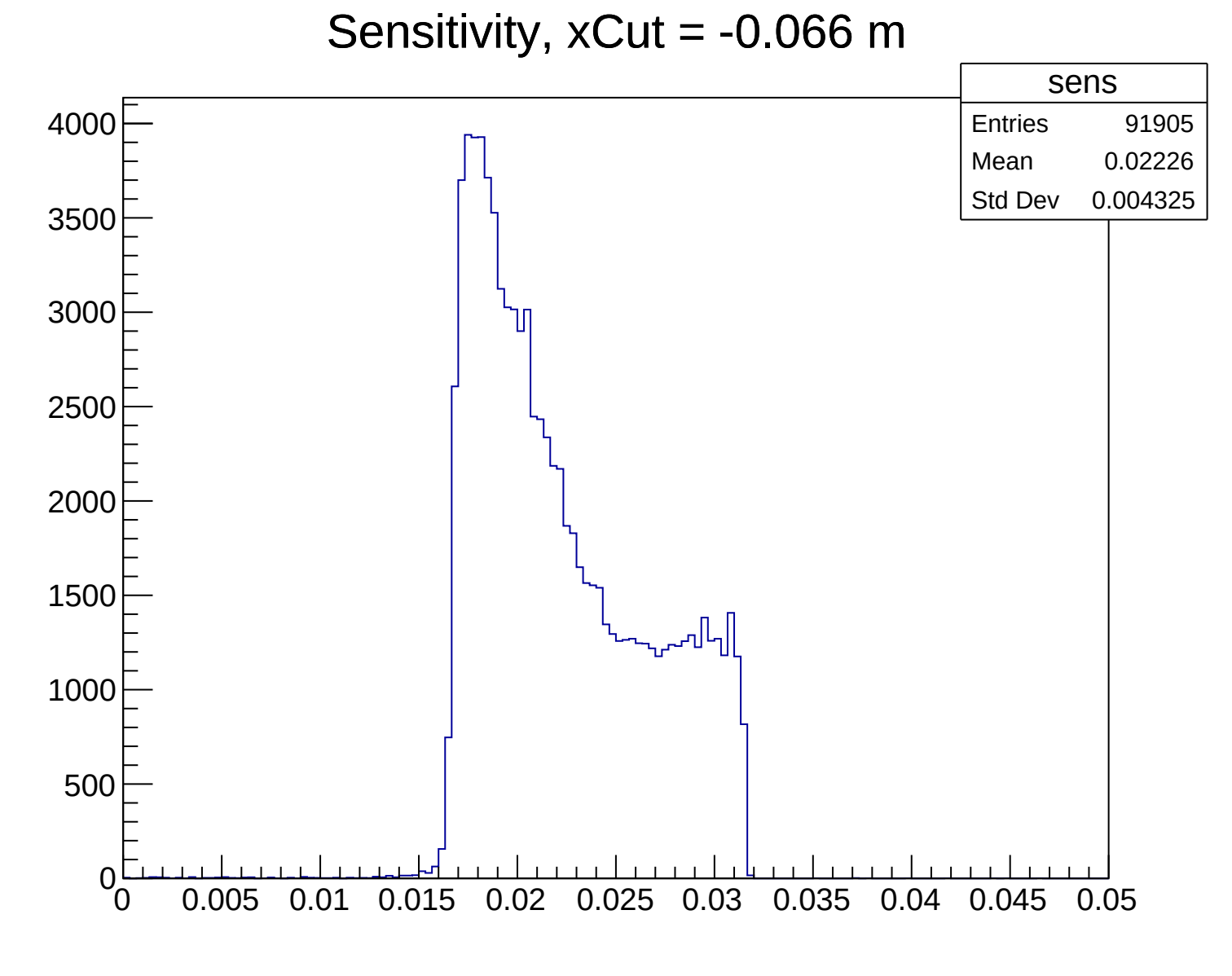

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

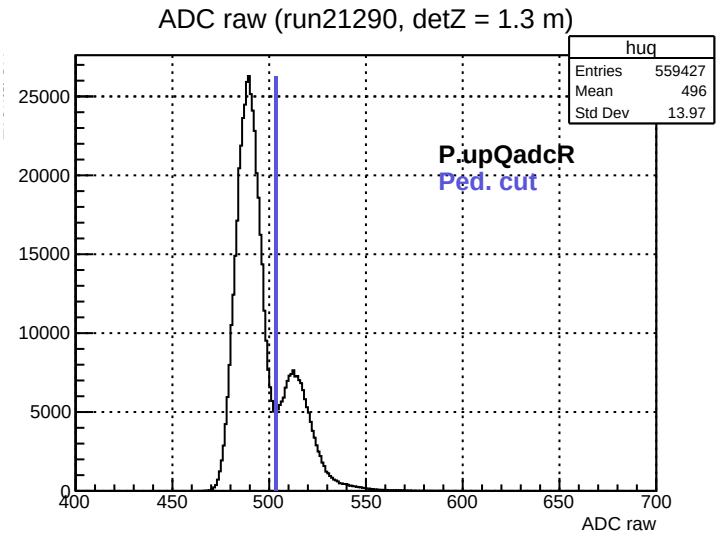

θlab (deg), xCut = -0.066 m
Theta
Entries 91905
Mean 4.79
Std Dev 0.5067
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

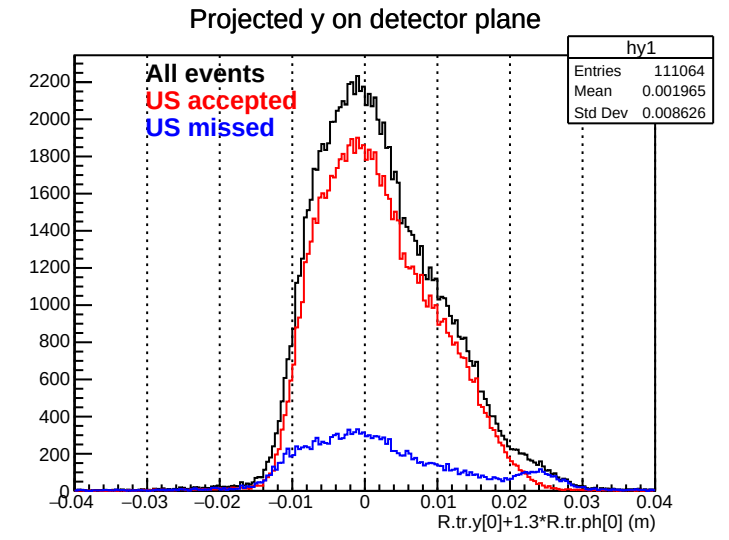

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 91905
Mean 0.5649
Std Dev 0.1019
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

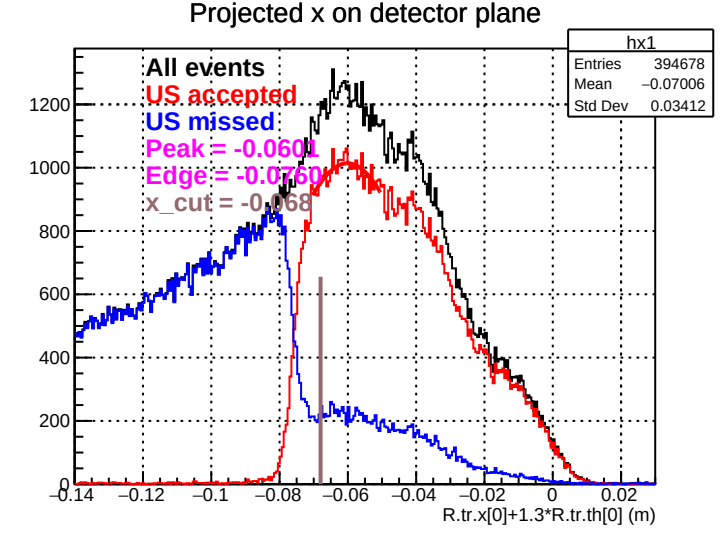

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 91905
Mean 0.552
Std Dev 0.09779
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

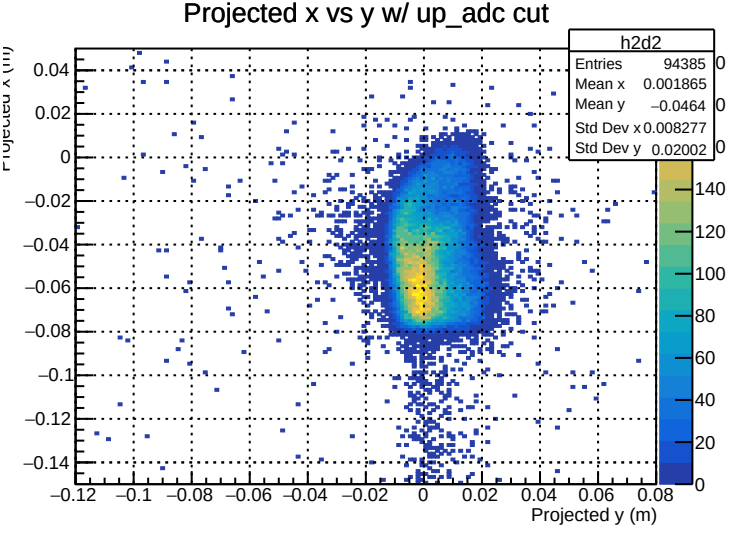

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 91905
Mean 0.006352
Std Dev 0.001375
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

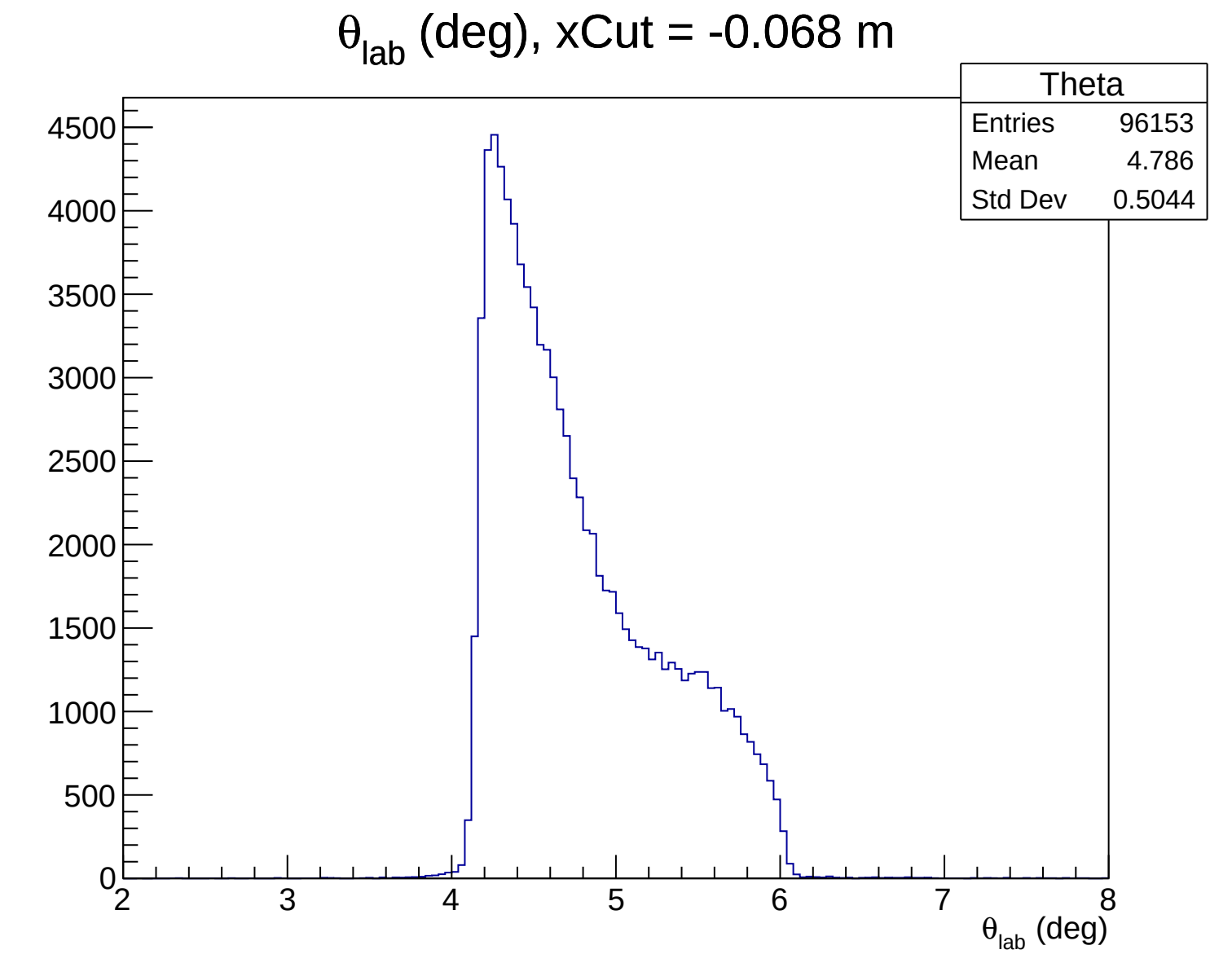

Sensitivity, xCut = -0.066 m
sens
Entries 91905
Mean 0.02226
Std Dev 0.004325
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

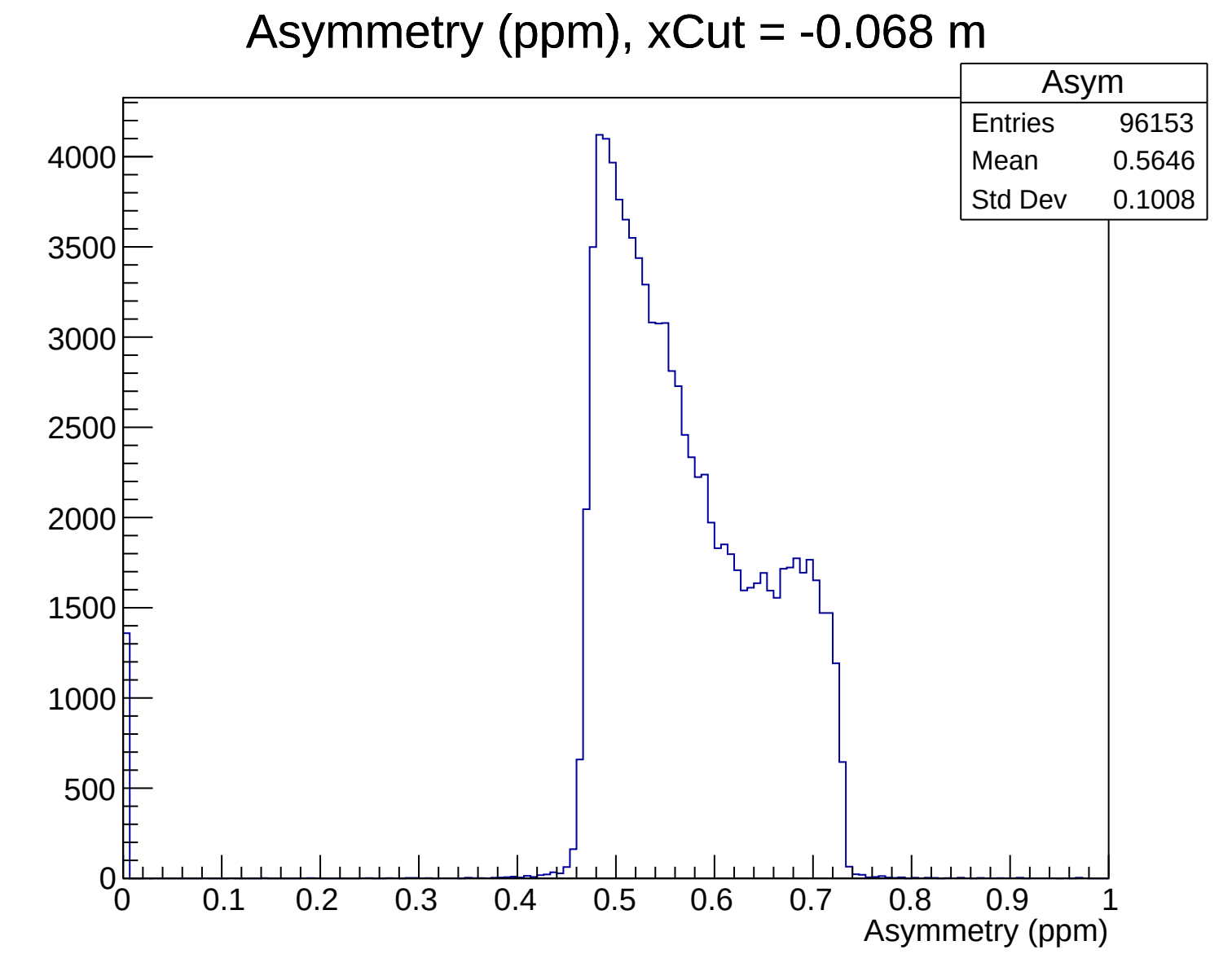

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

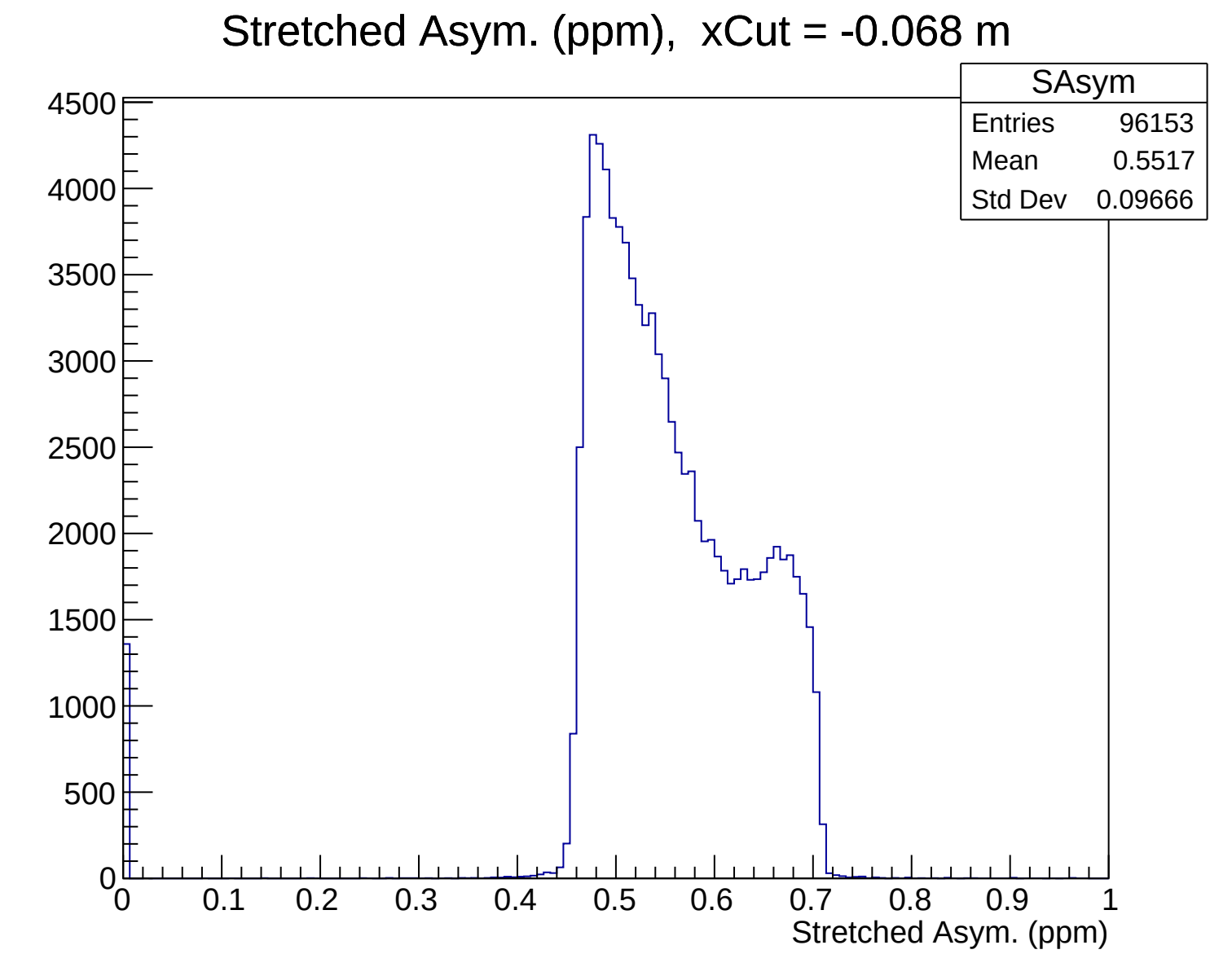

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

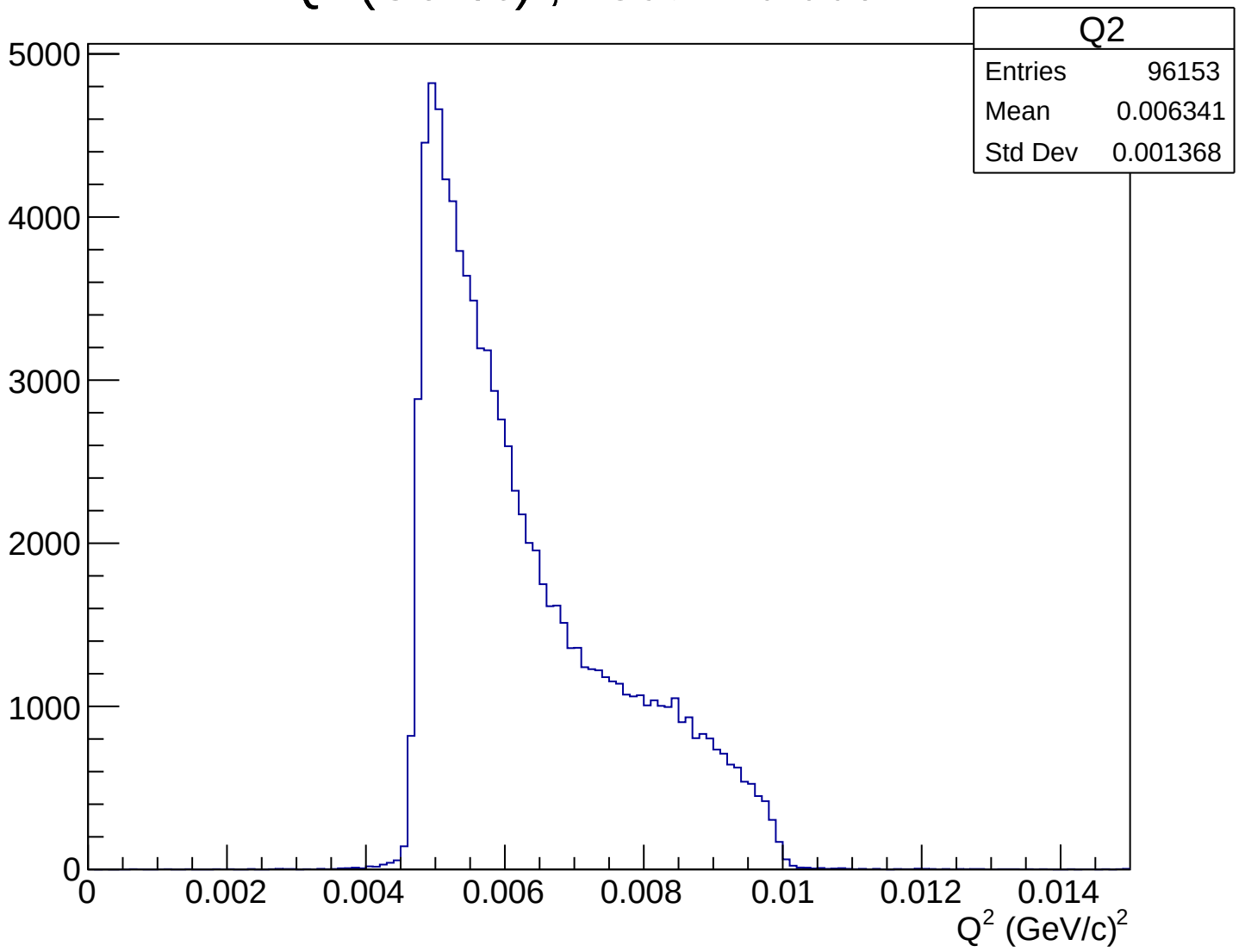

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.068
R.tr.x[0]+1.3*R.tr.th[0] (m)

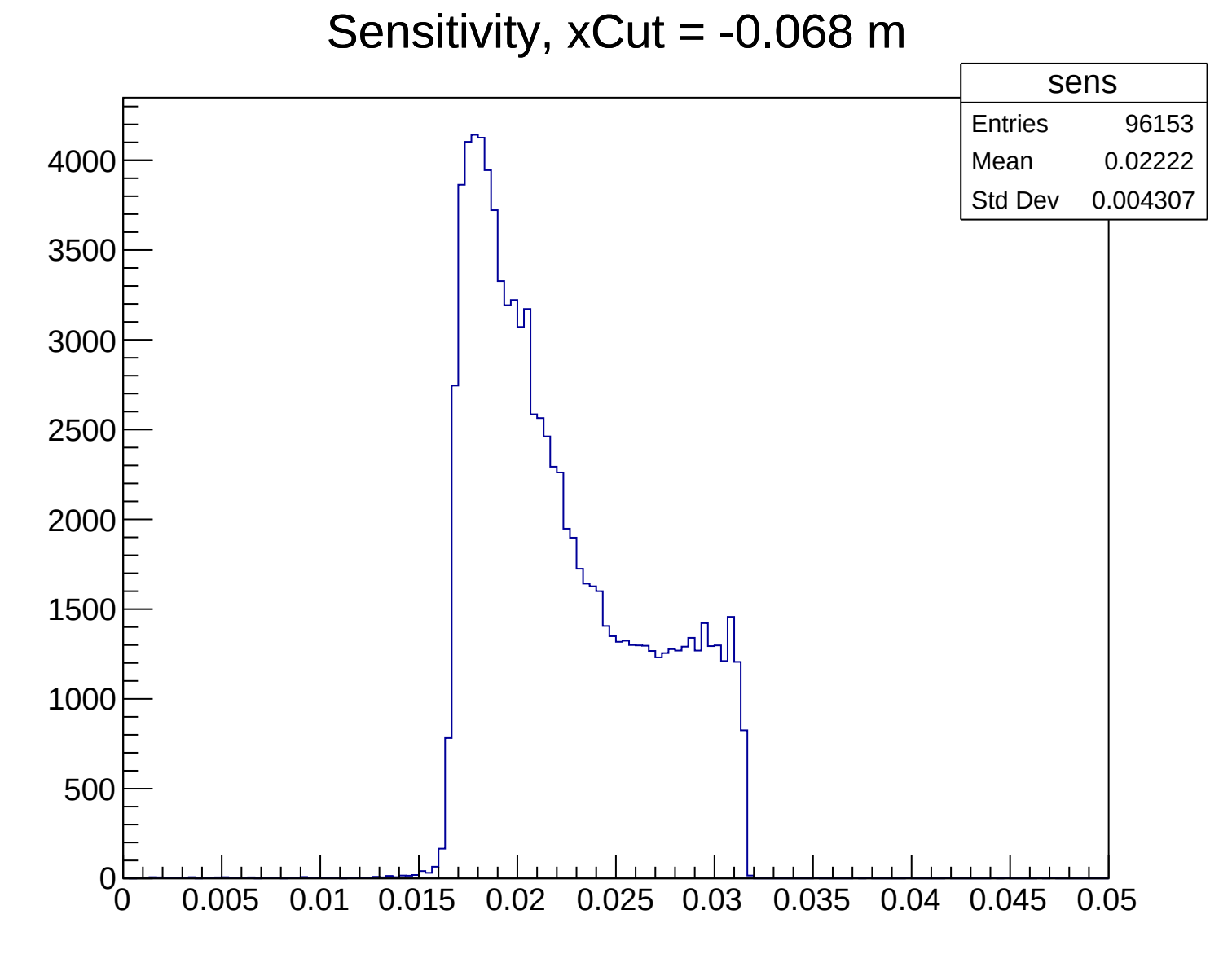

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

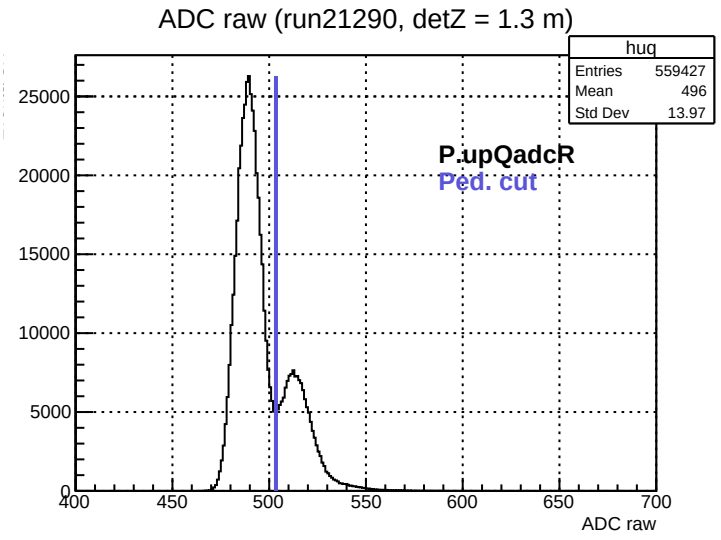

θlab (deg), xCut = -0.068 m
Theta
Entries 96153
Mean 4.786
Std Dev 0.5044
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

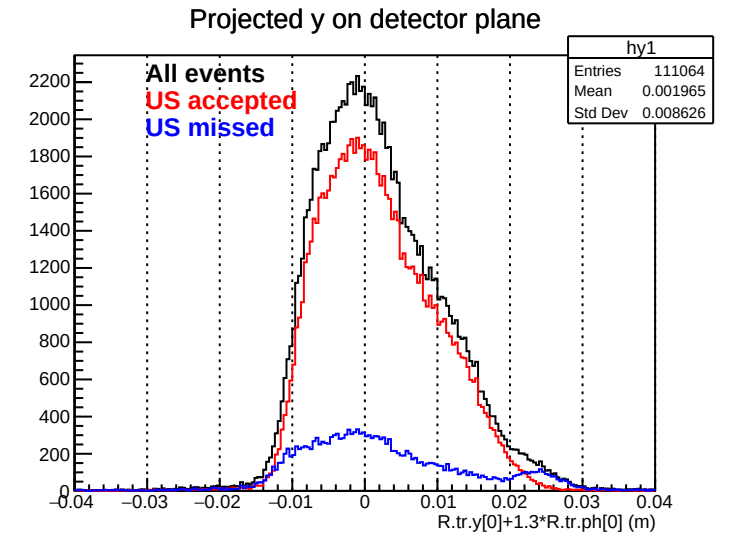

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 96153
Mean 0.5646
Std Dev 0.1008
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

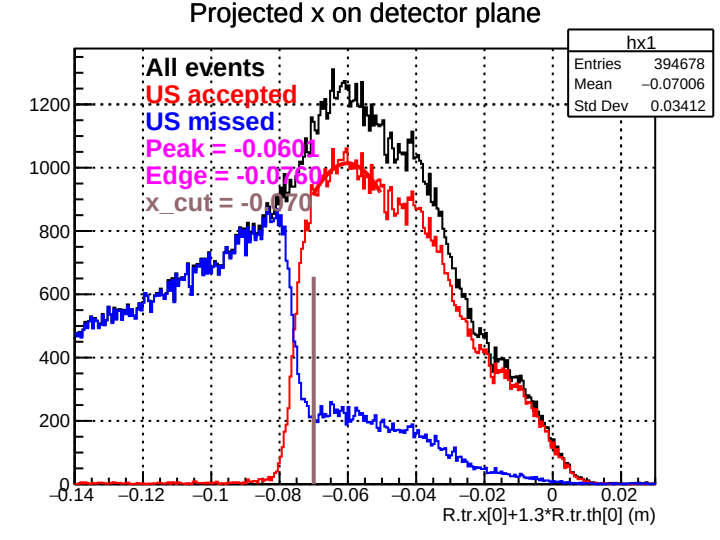

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 96153
Mean 0.5517
Std Dev 0.09666
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

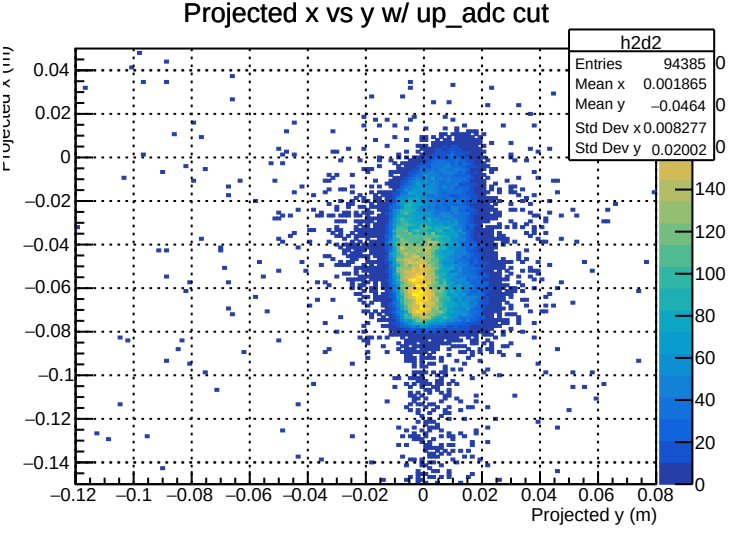

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 96153
Mean 0.006341
Std Dev 0.001368
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

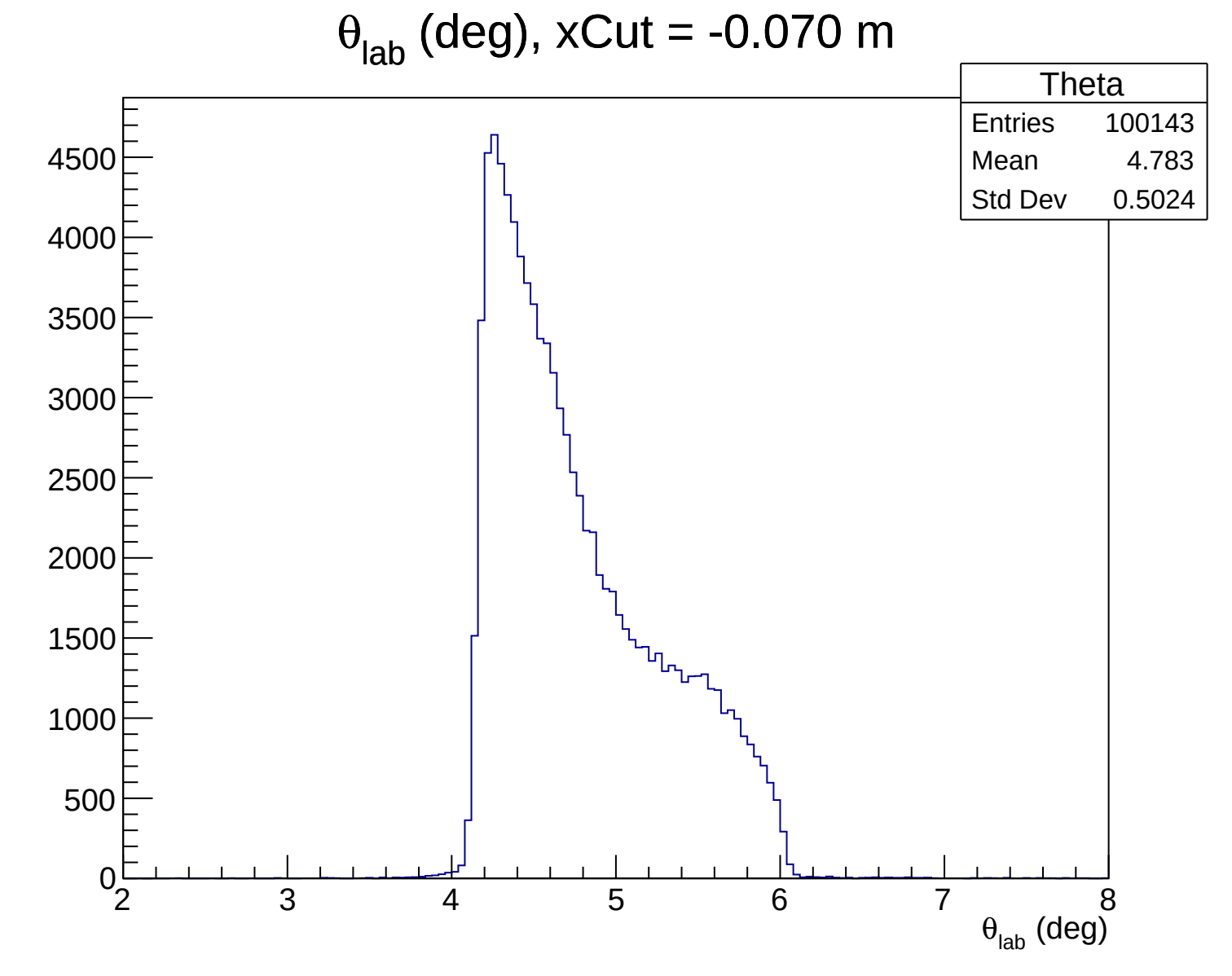

Sensitivity, xCut = -0.068 m
sens
Entries 96153
Mean 0.02222
Std Dev 0.004307
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

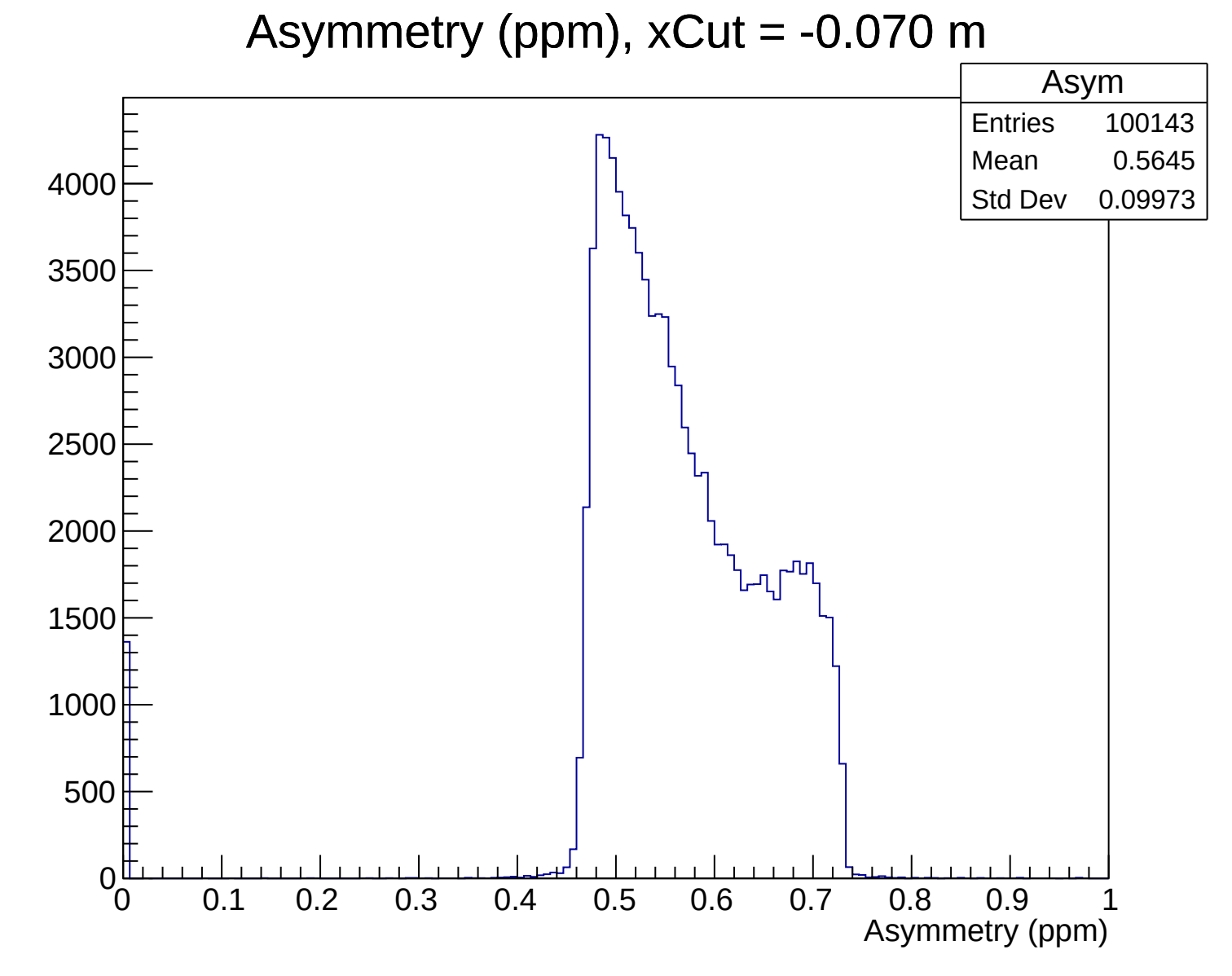

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

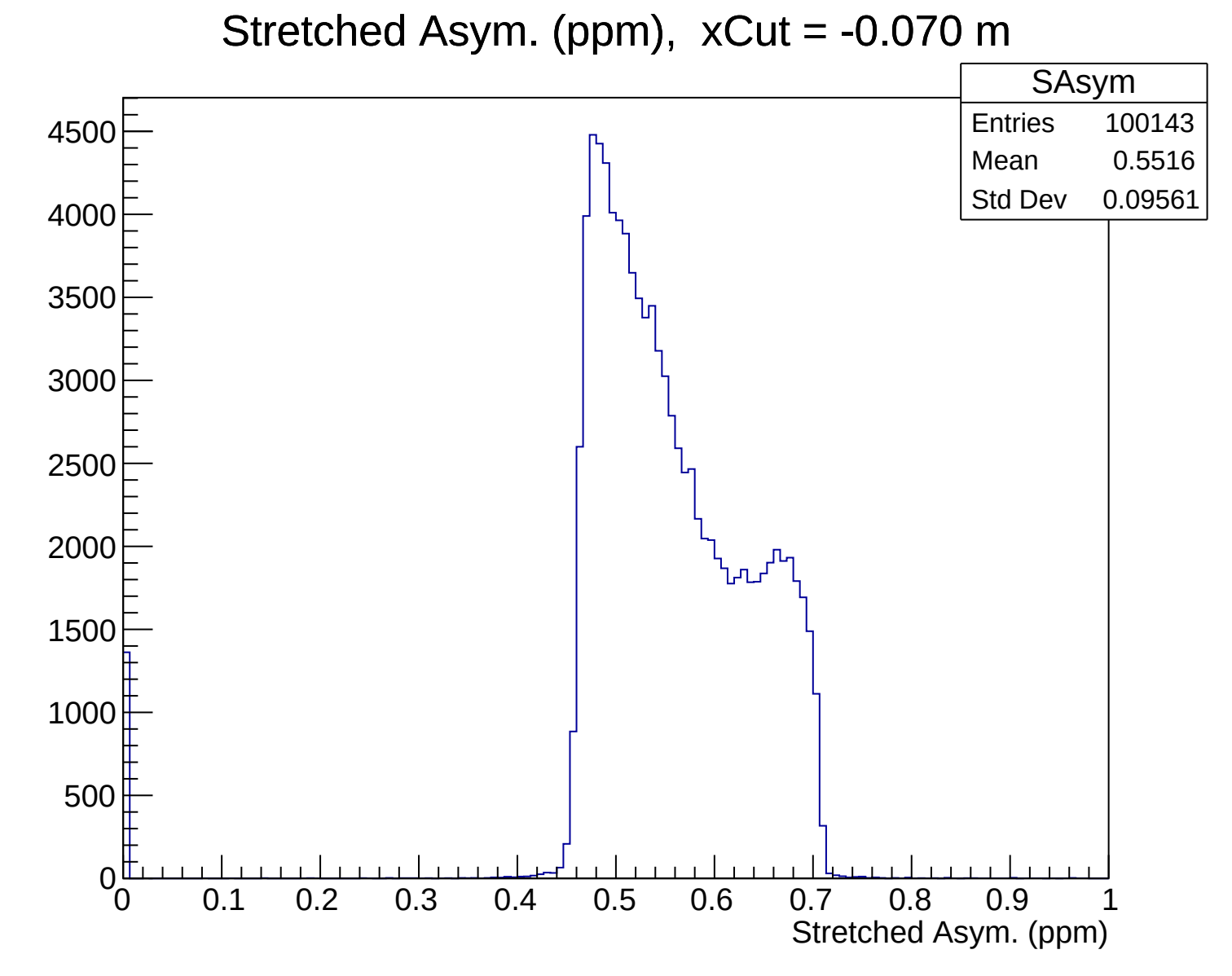

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

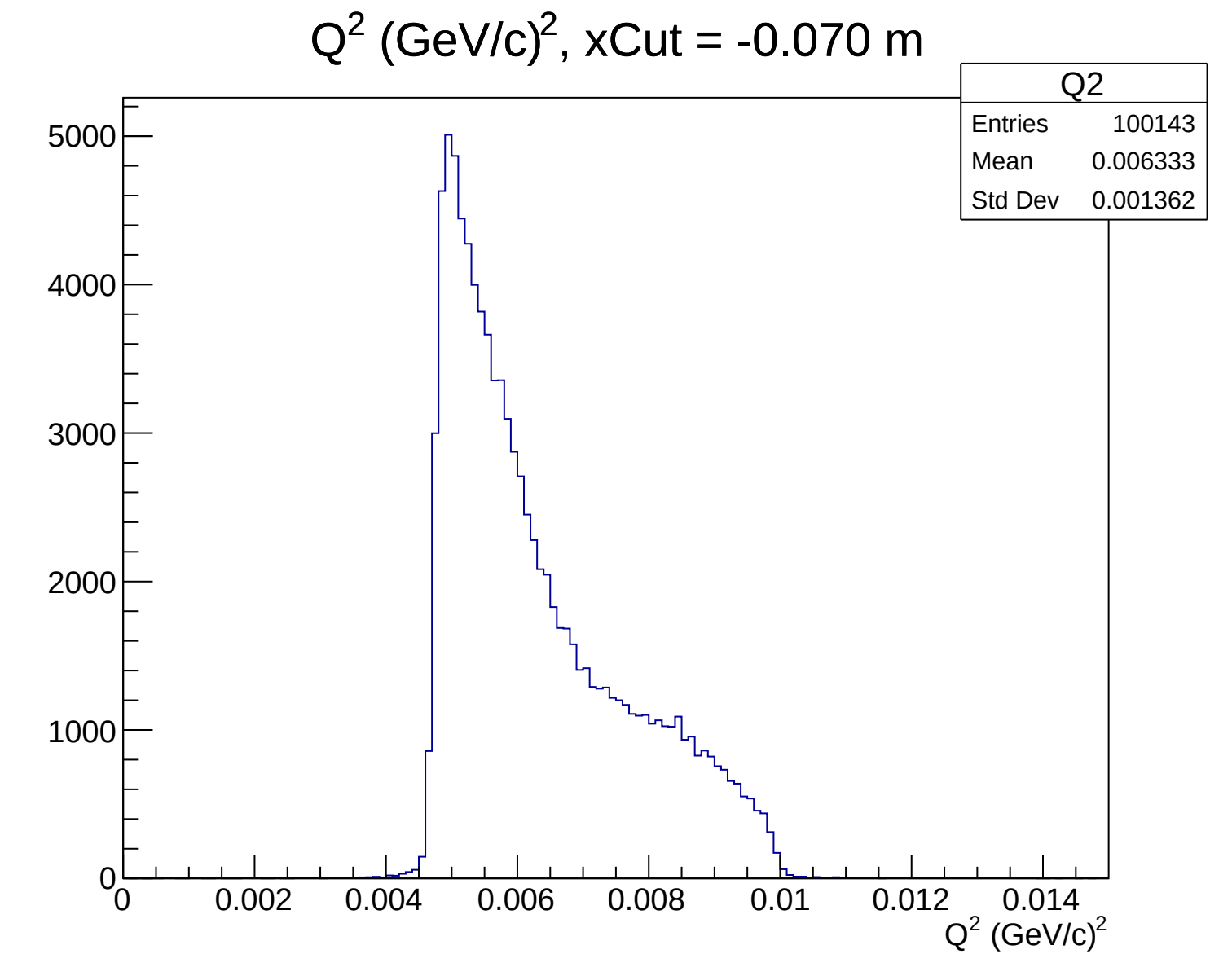

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.070
R.tr.x[0]+1.3*R.tr.th[0] (m)

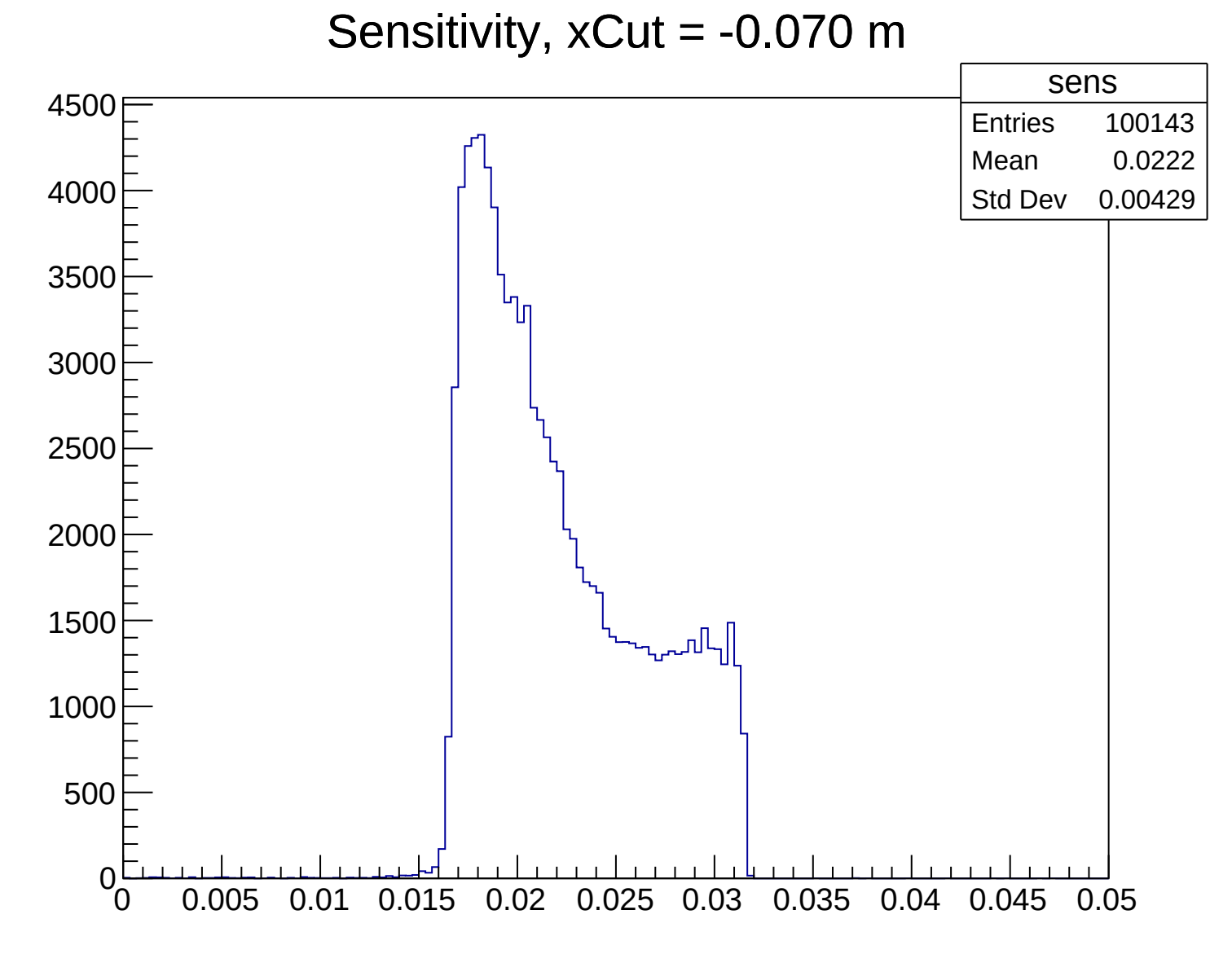

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

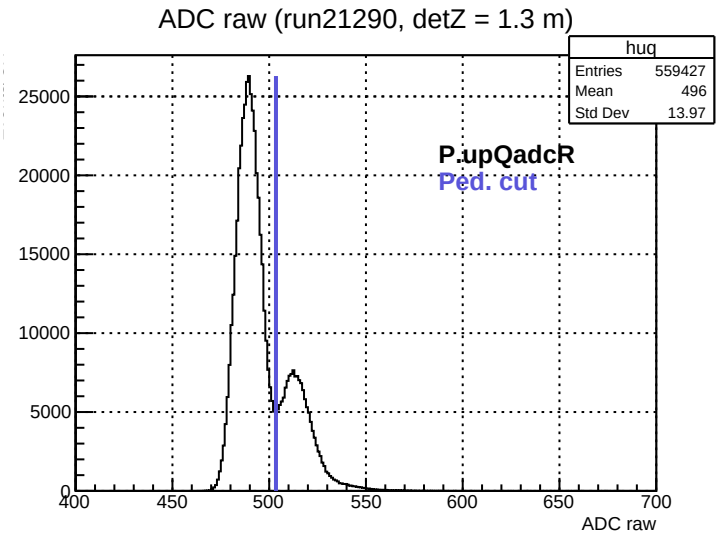

θlab (deg), xCut = -0.070 m
Theta
Entries 100143
Mean 4.783
Std Dev 0.5024
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)

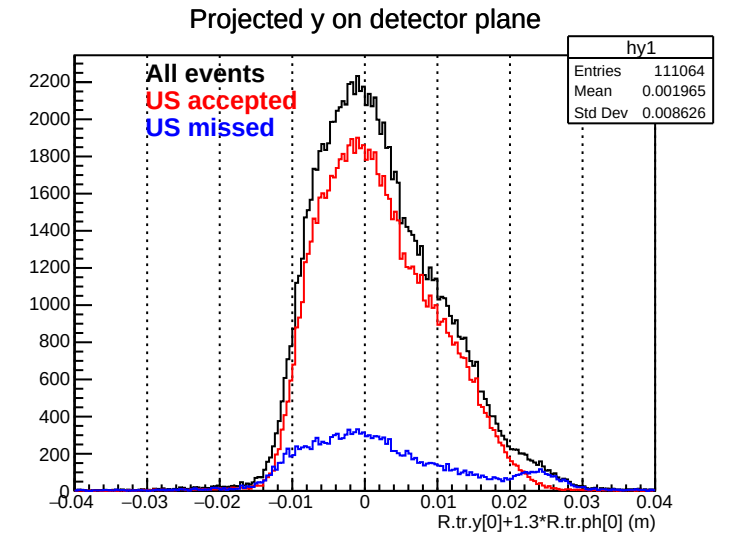

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 100143
Mean 0.5645
Std Dev 0.09973
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

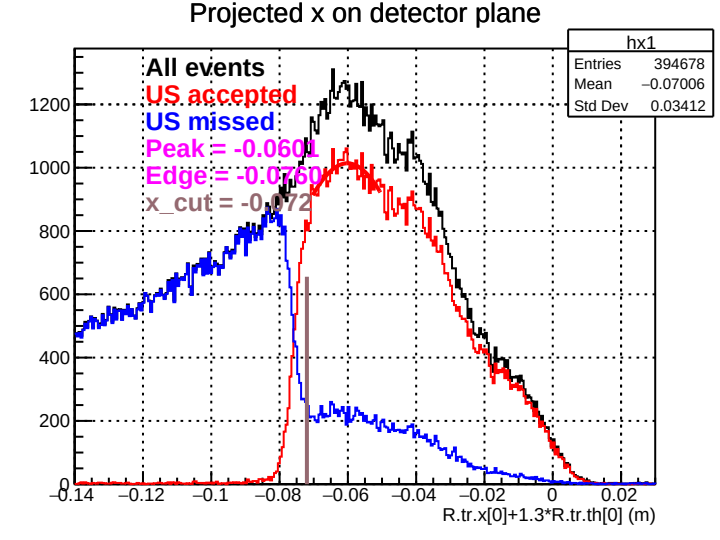

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 100143
Mean 0.5516
Std Dev 0.09561
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

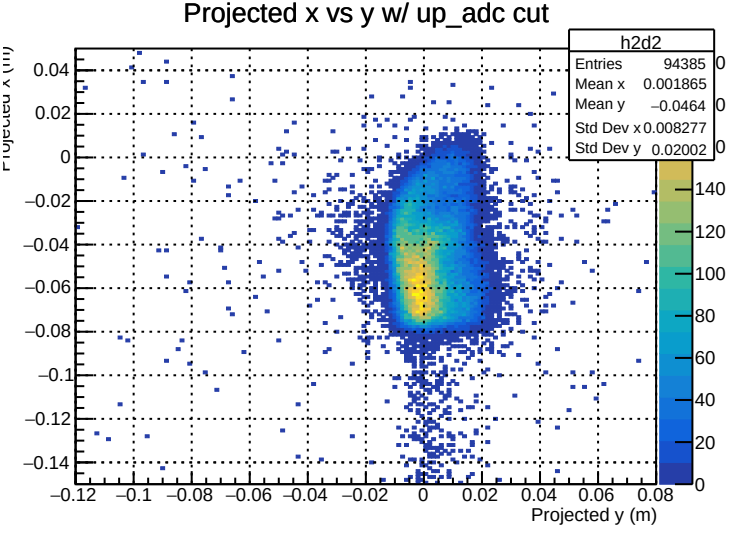

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 100143
Mean 0.006333
Std Dev 0.001362
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

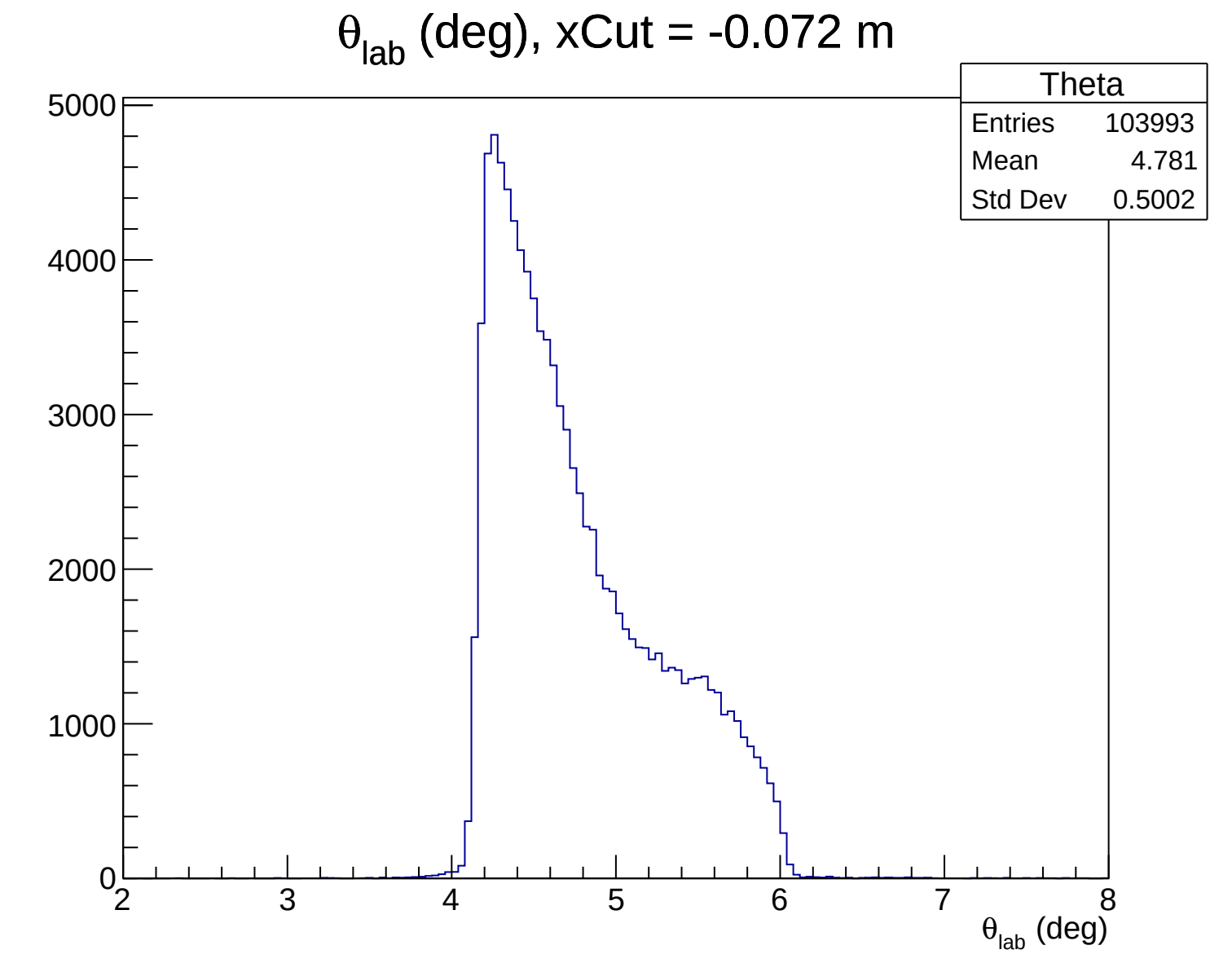

Sensitivity, xCut = -0.070 m
sens
Entries 100143
Mean 0.0222
Std Dev 0.00429
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

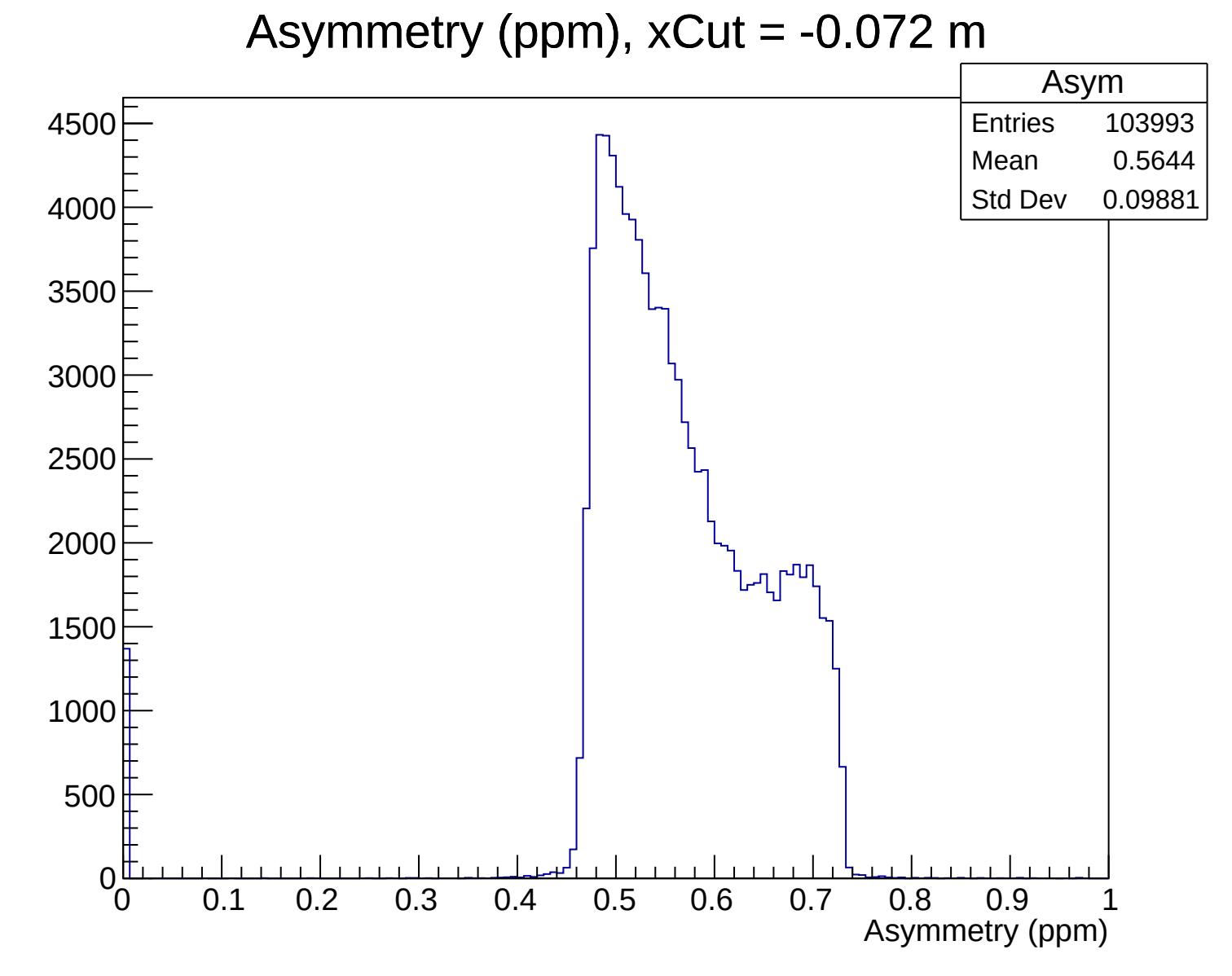

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

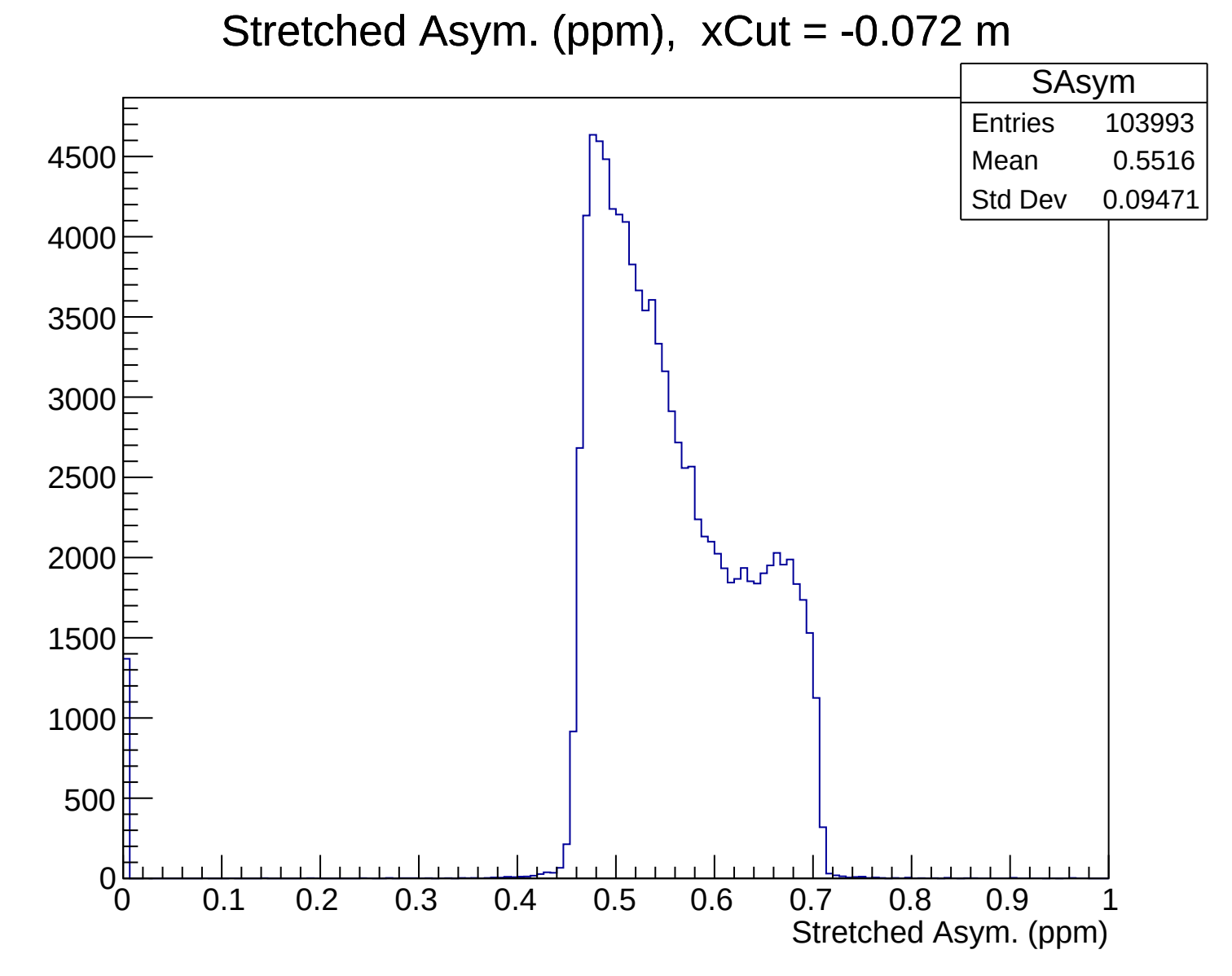

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

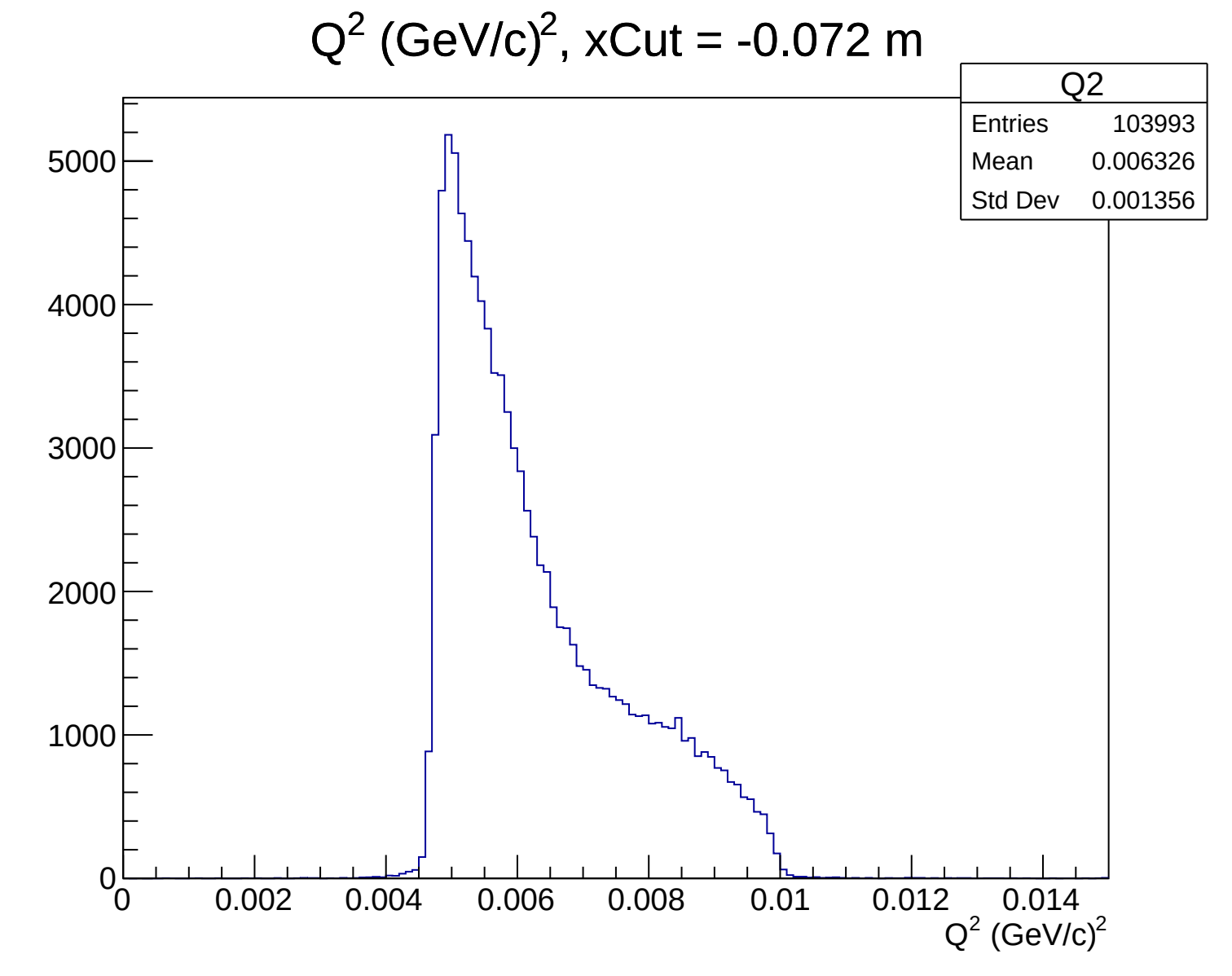

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.072
R.tr.x[0]+1.3*R.tr.th[0] (m)

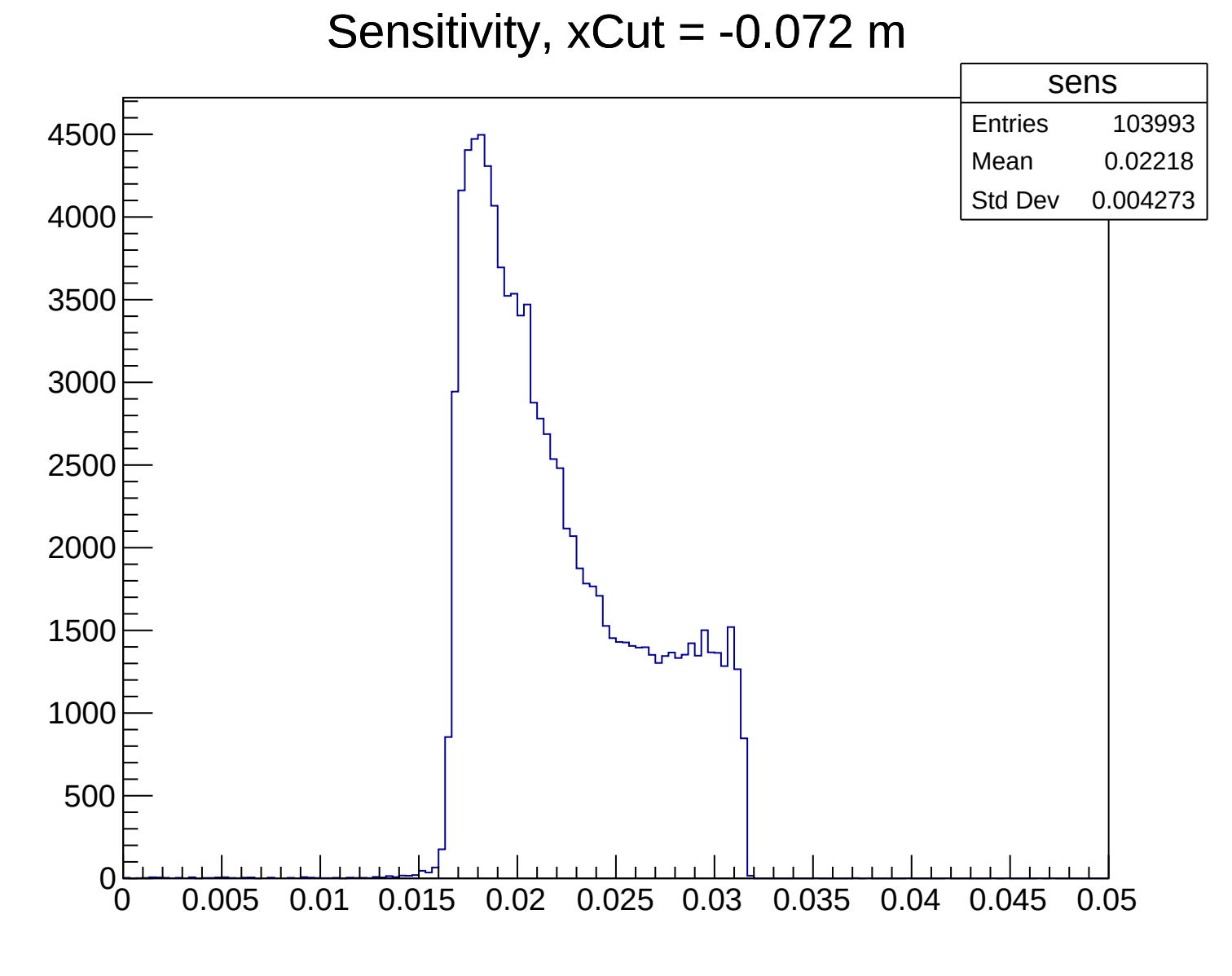

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

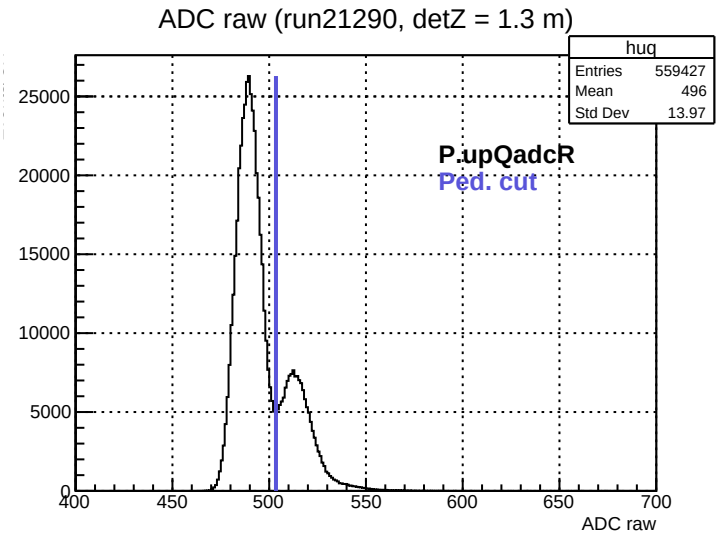

θlab (deg), xCut = -0.072 m
Theta
Entries 103993
Mean 4.781
Std Dev 0.5002
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

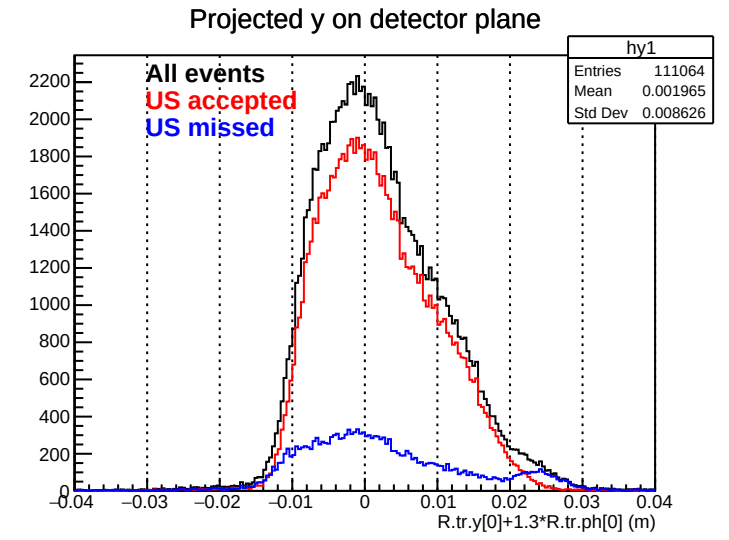

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 103993
Mean 0.5644
Std Dev 0.09881
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

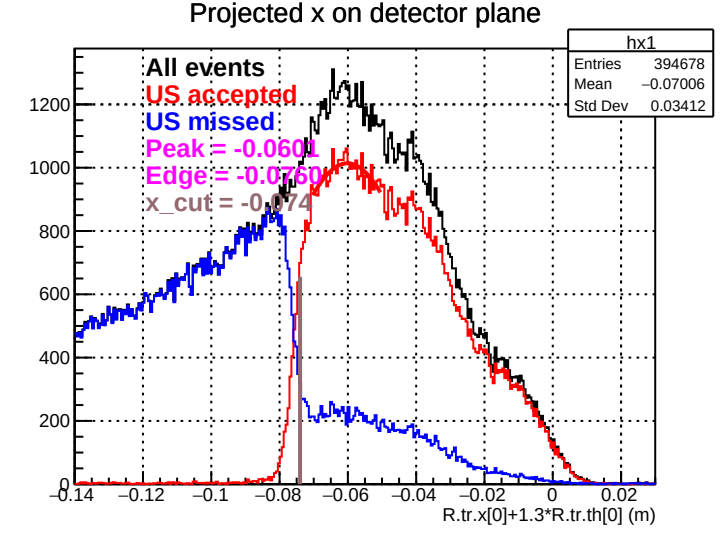

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 103993
Mean 0.5516
Std Dev 0.09471
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

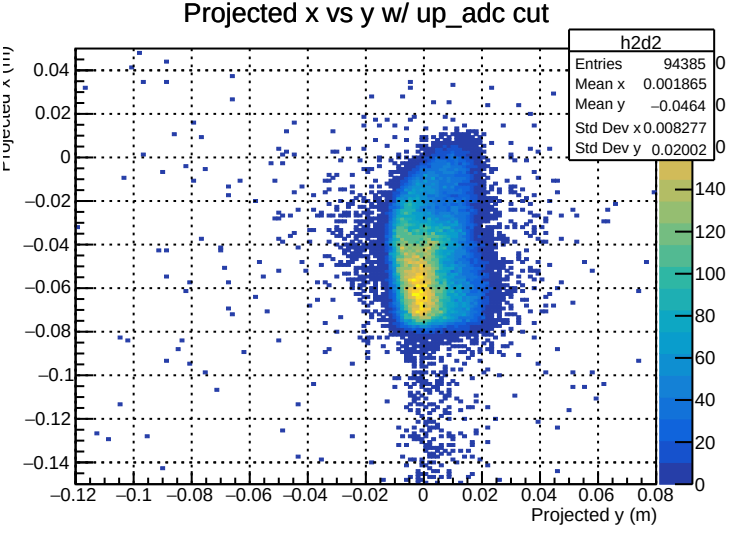

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 103993
Mean 0.006326
Std Dev 0.001356
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

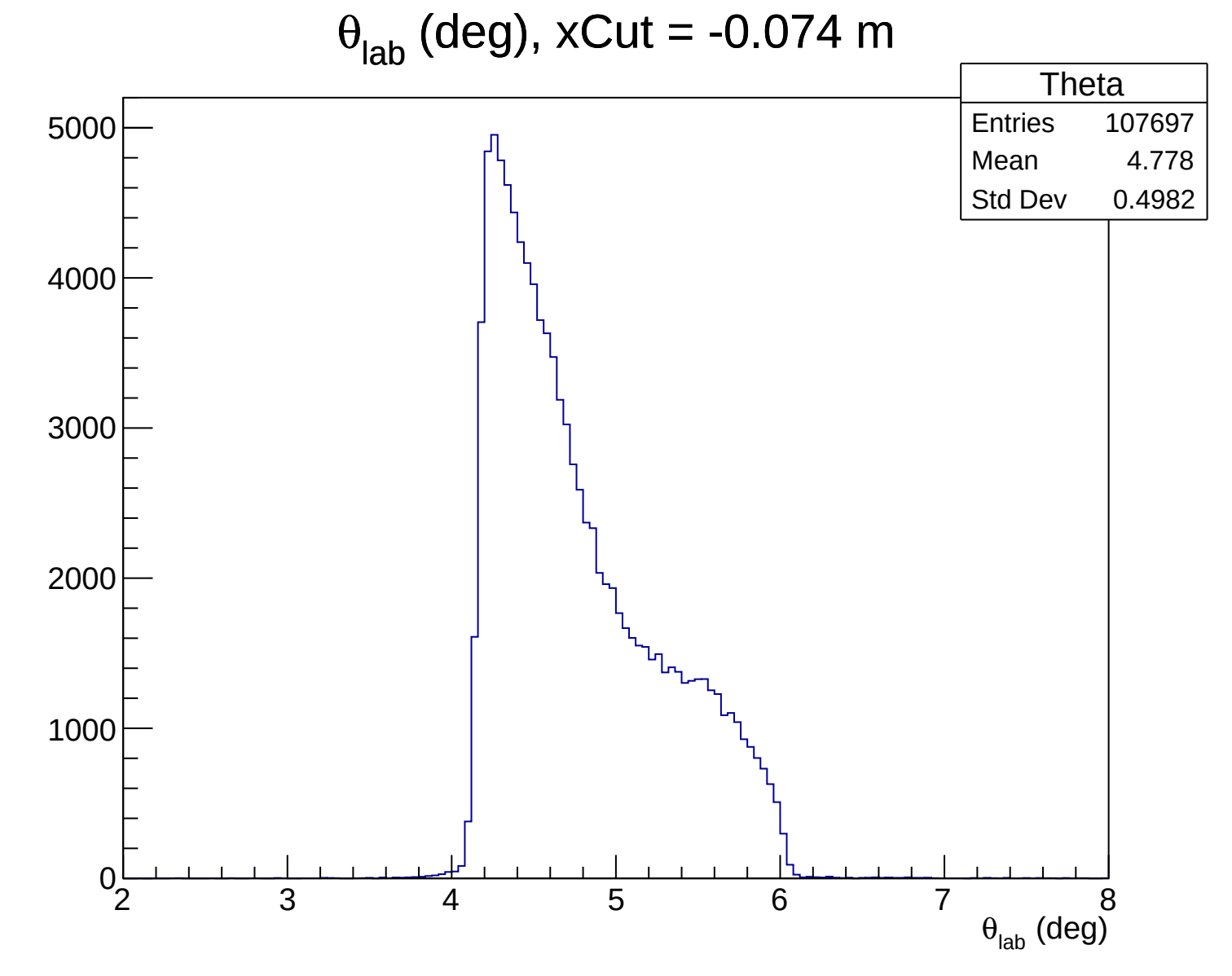

Sensitivity, xCut = -0.072 m
sens
Entries 103993
Mean 0.02218
Std Dev 0.004273
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

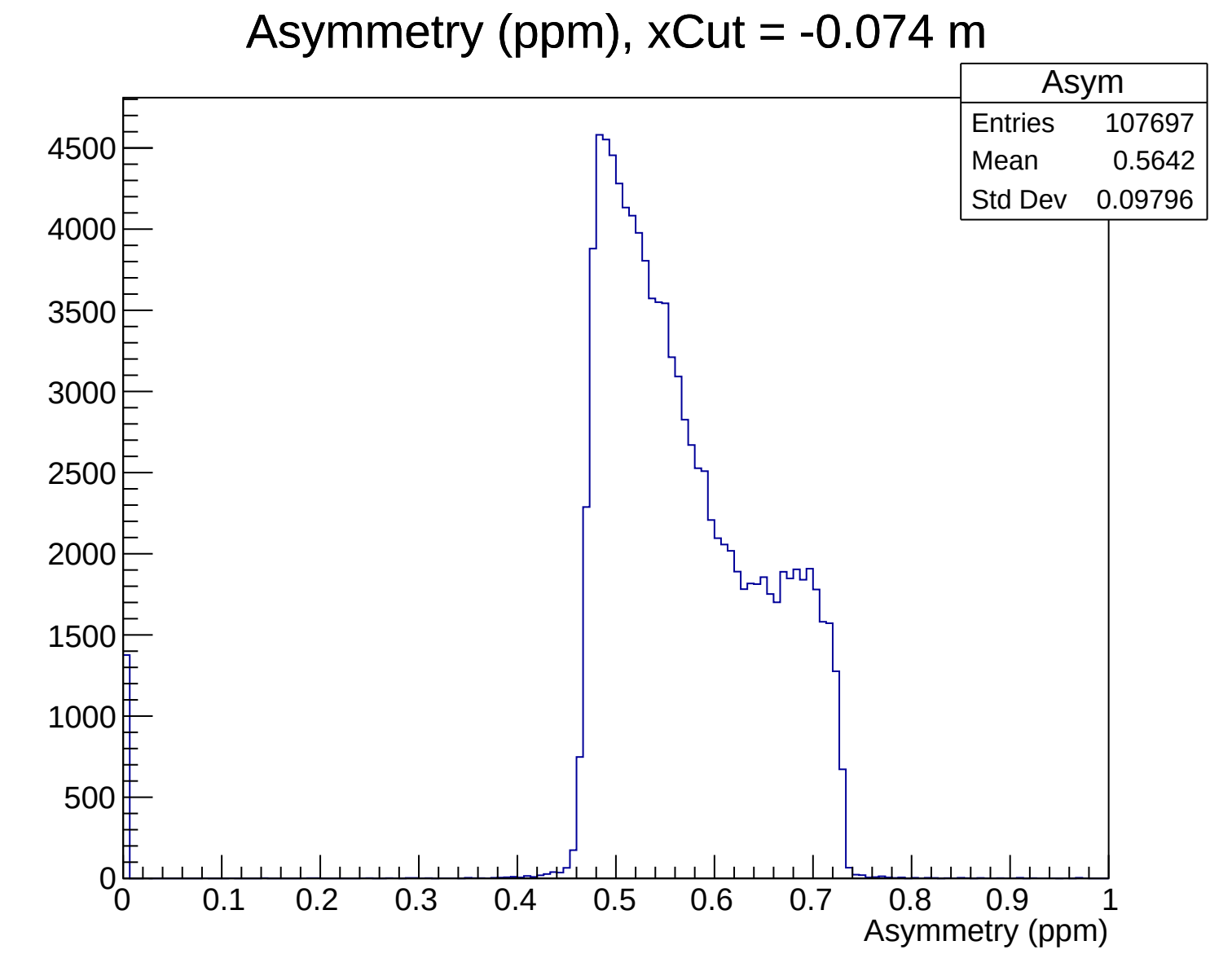

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

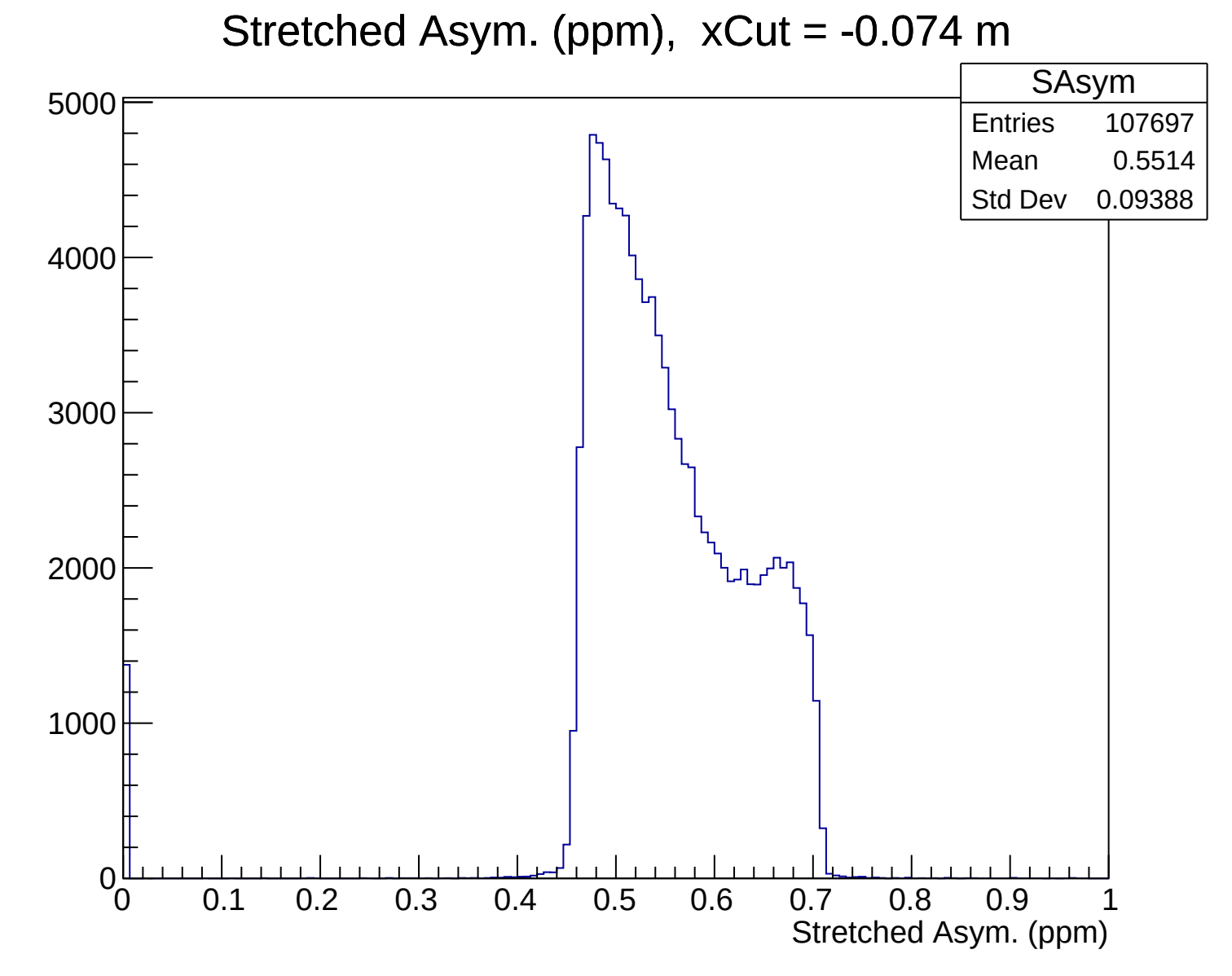

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

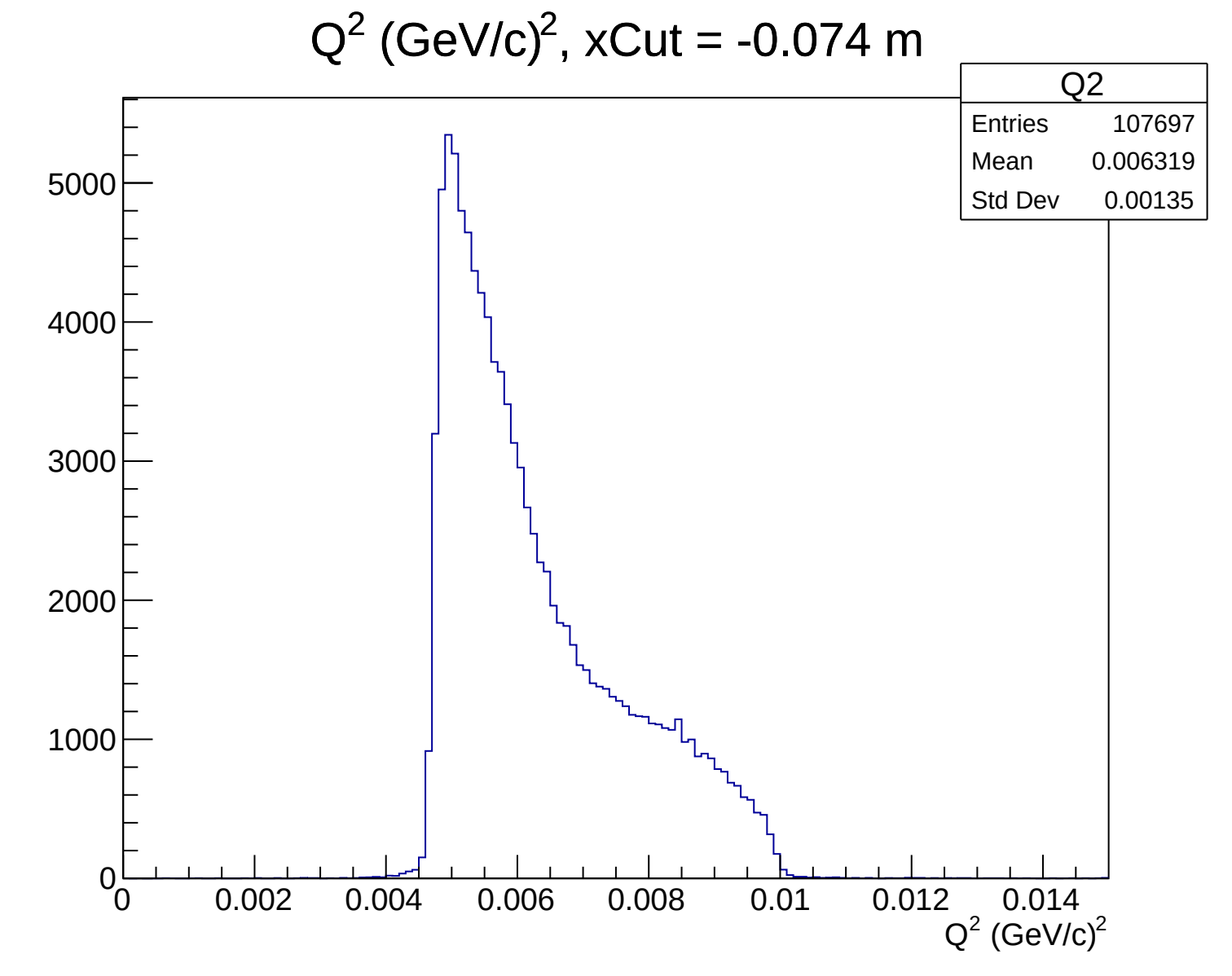

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.074
R.tr.x[0]+1.3*R.tr.th[0] (m)

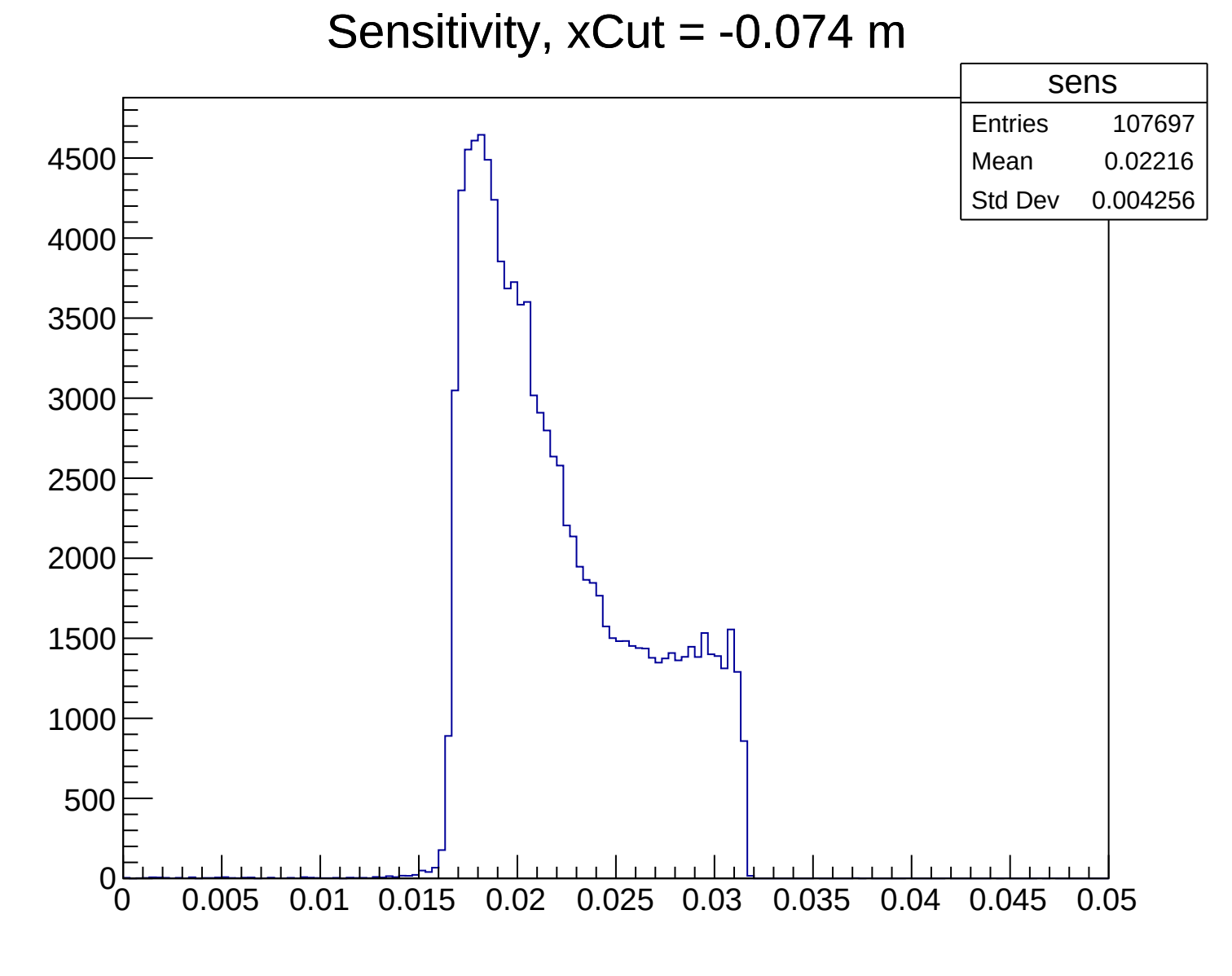

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

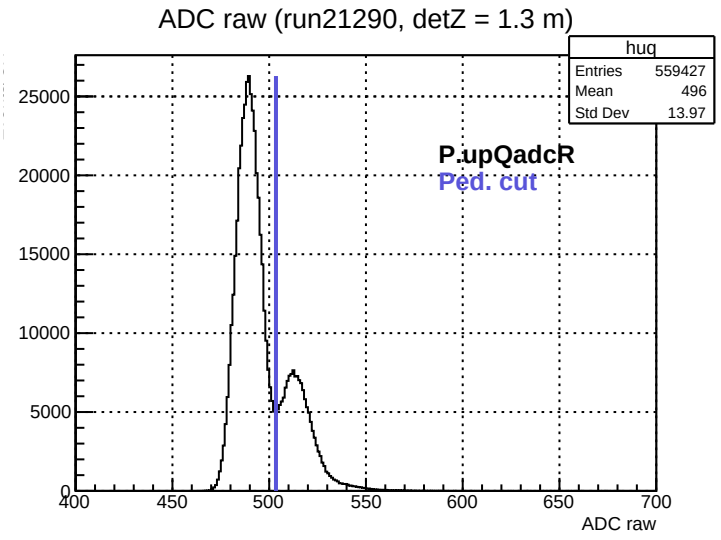

θlab (deg), xCut = -0.074 m
Theta
Entries 107697
Mean 4.778
Std Dev 0.4982
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

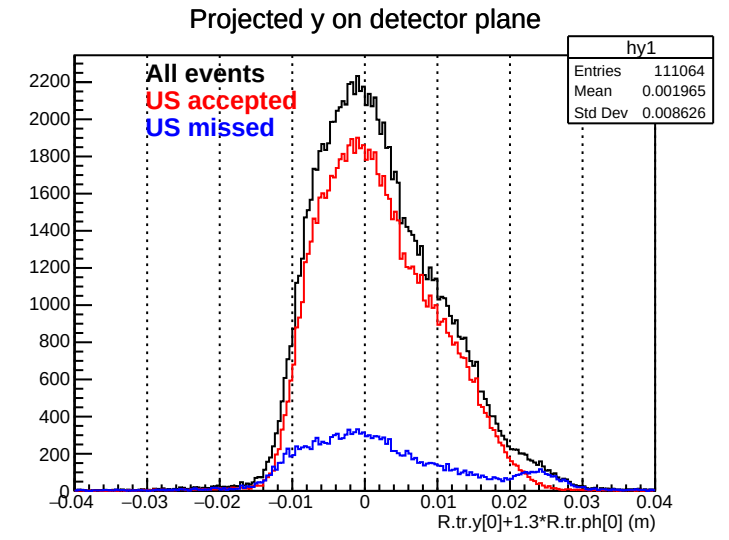

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 107697
Mean 0.5642
Std Dev 0.09796
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

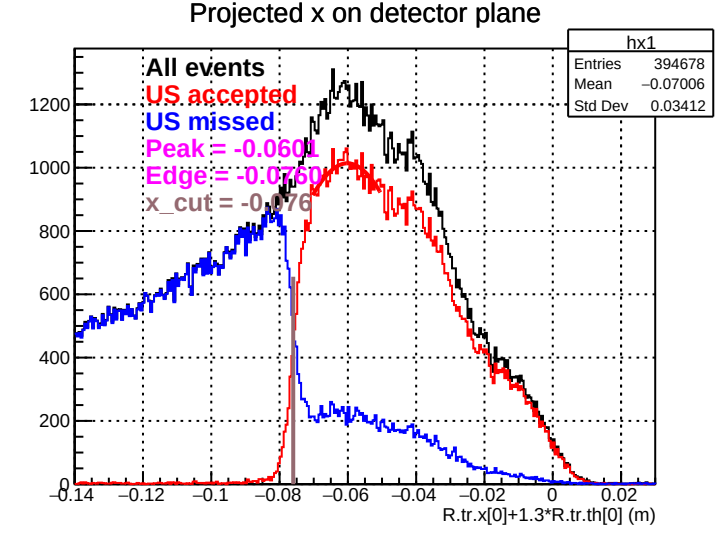

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 107697
Mean 0.5514
Std Dev 0.09388
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

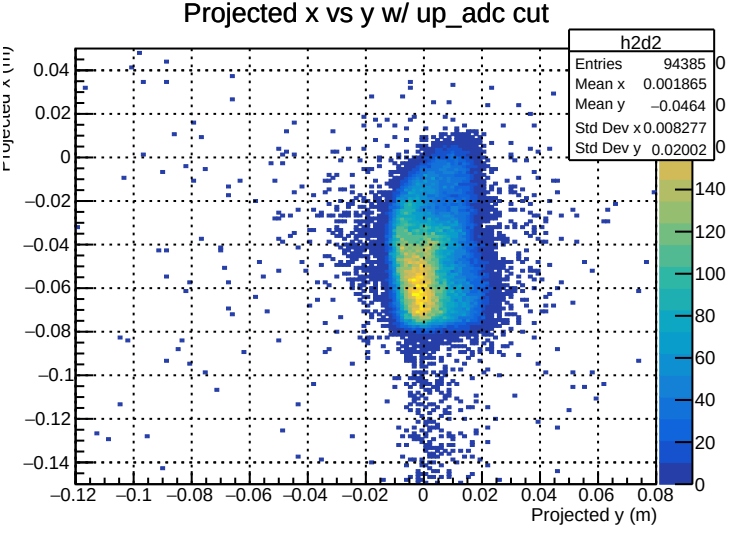

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 107697
Mean 0.006319
Std Dev 0.00135
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

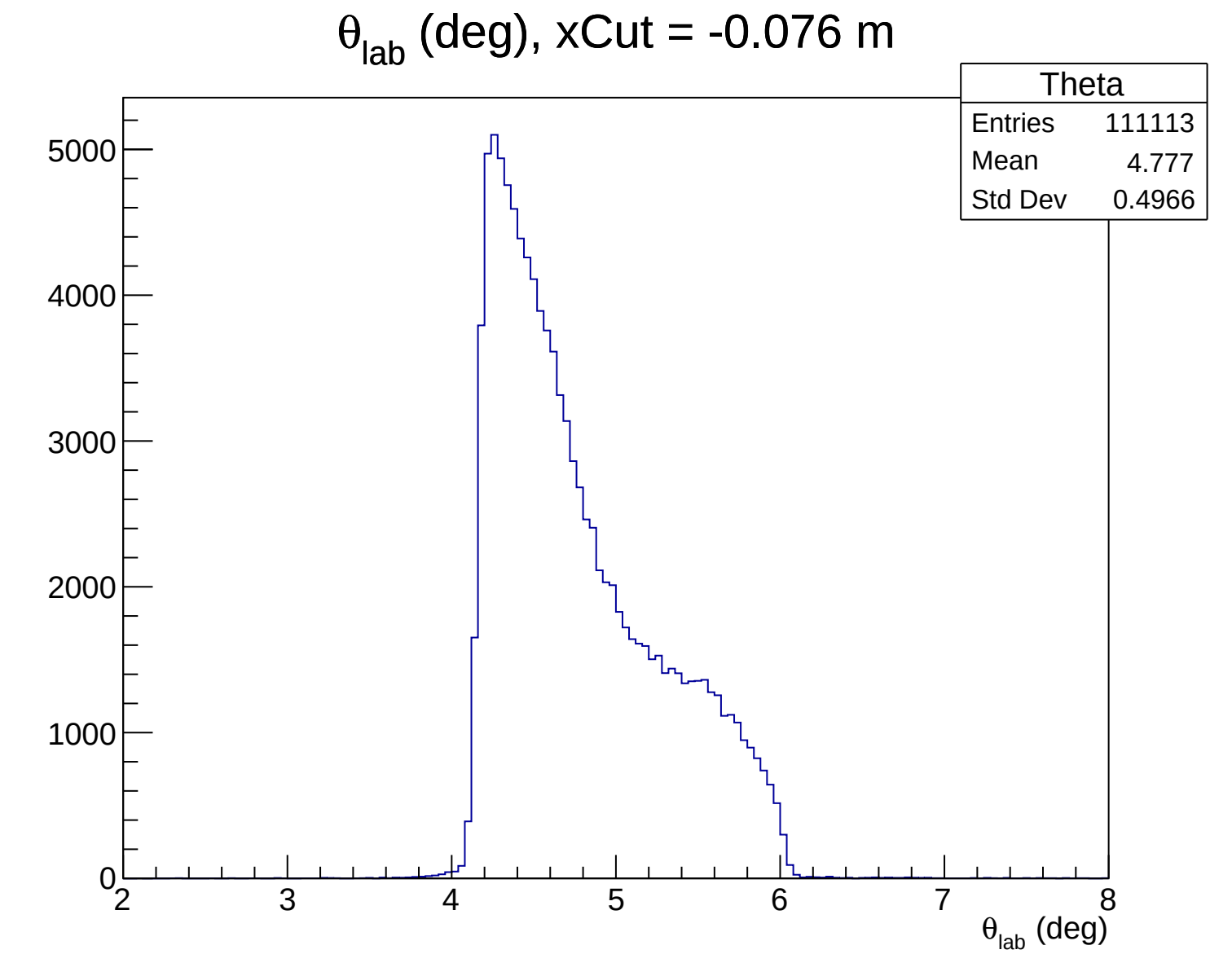

Sensitivity, xCut = -0.074 m
sens
Entries 107697
Mean 0.02216
Std Dev 0.004256
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

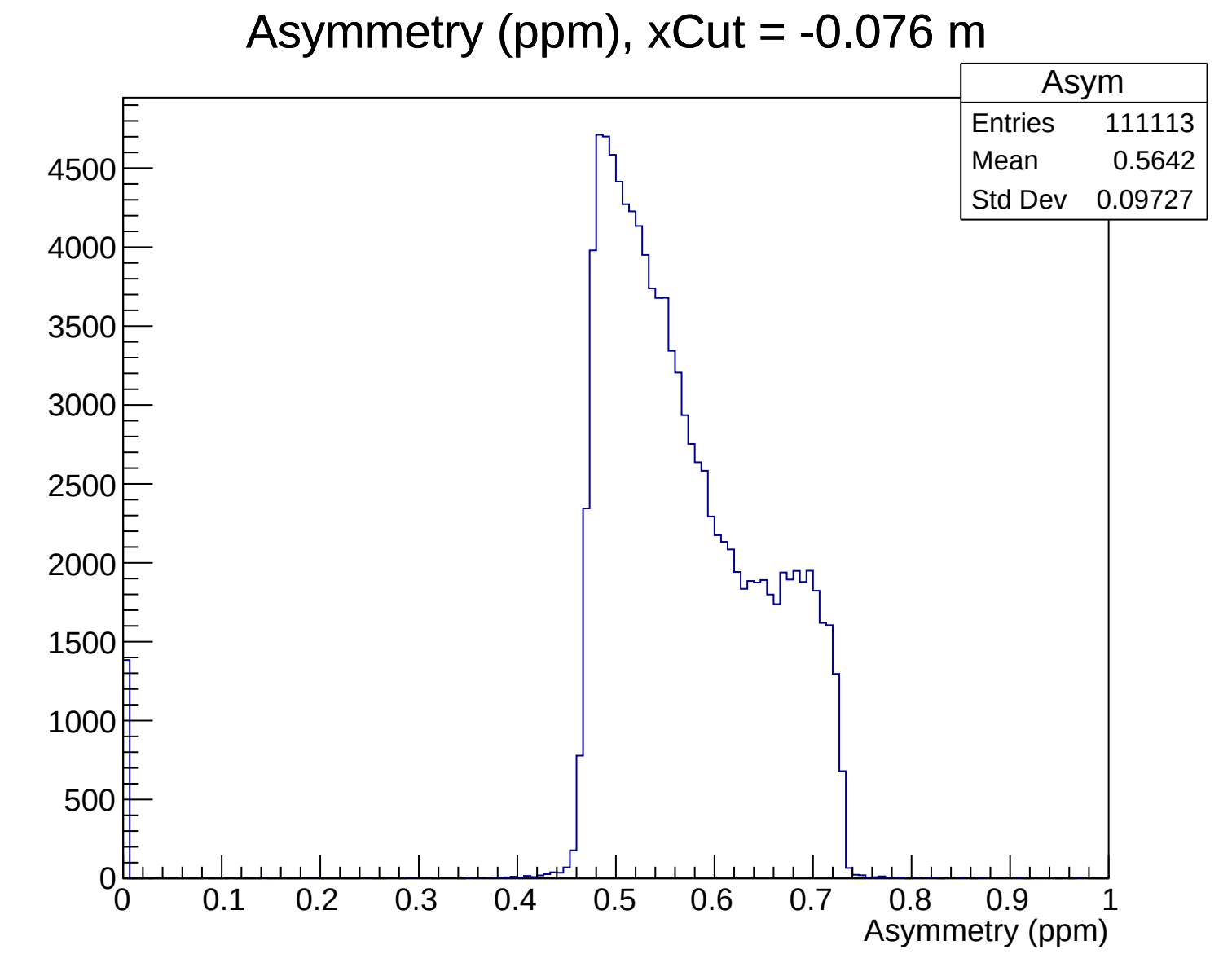

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

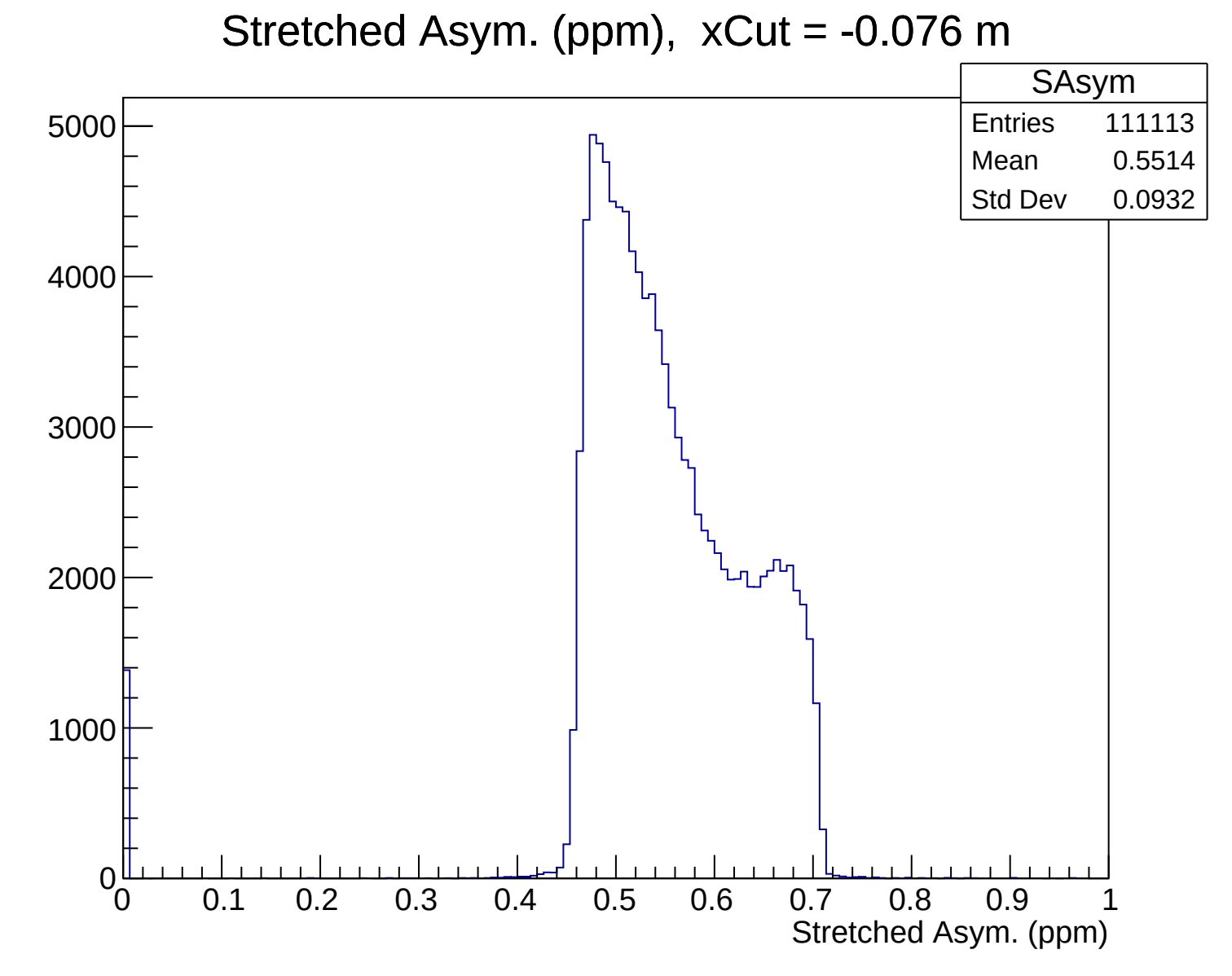

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

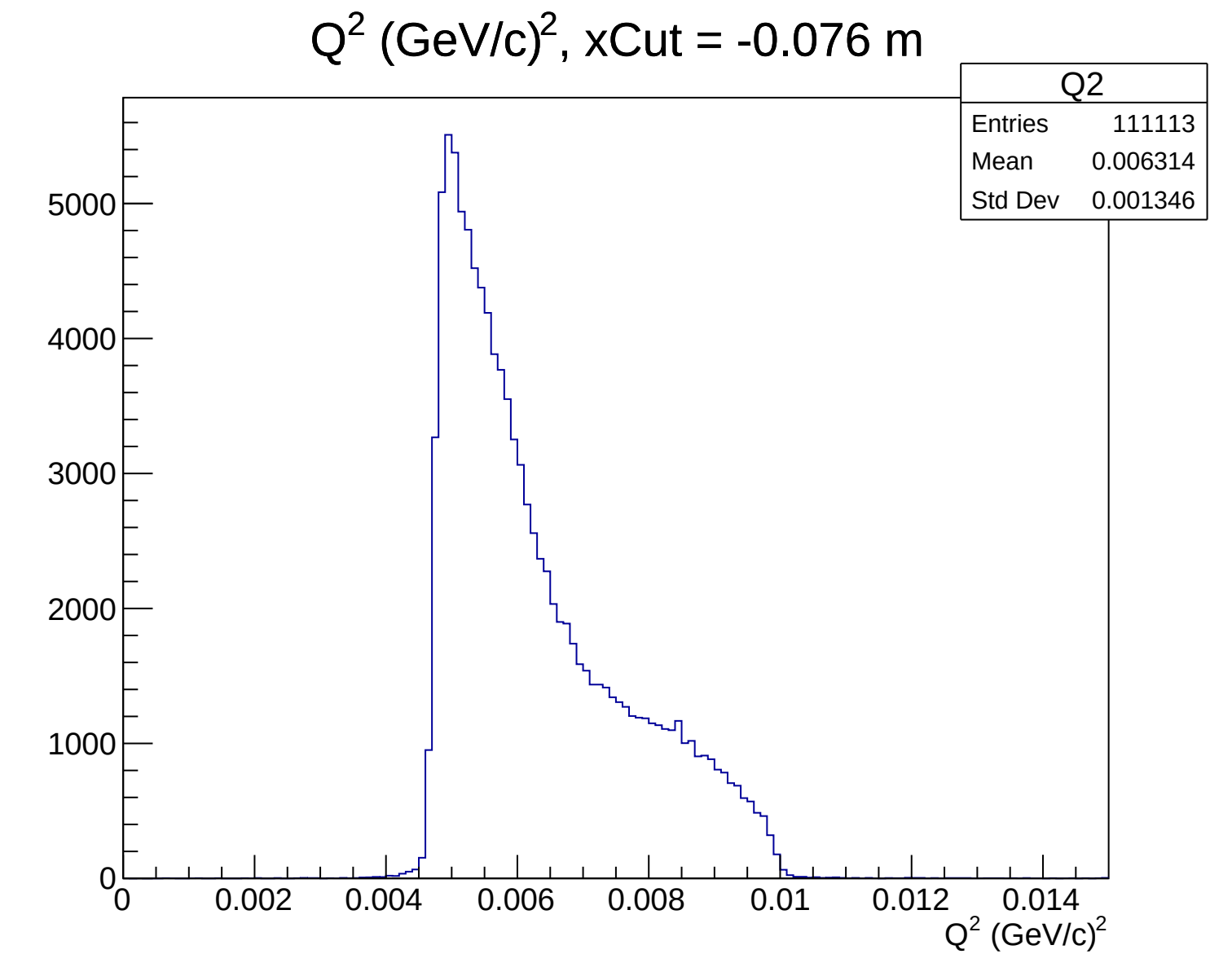

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.076
R.tr.x[0]+1.3*R.tr.th[0] (m)

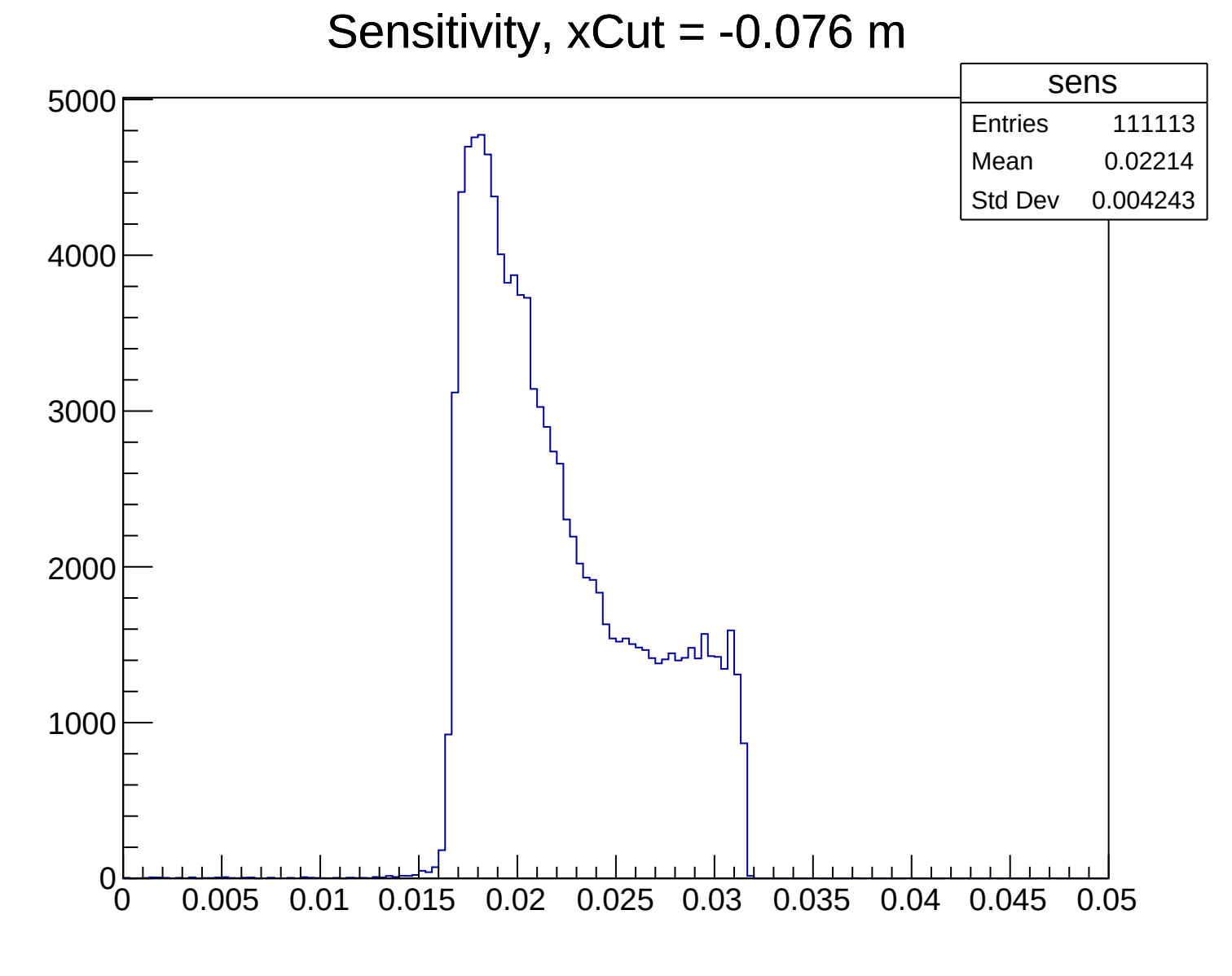

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

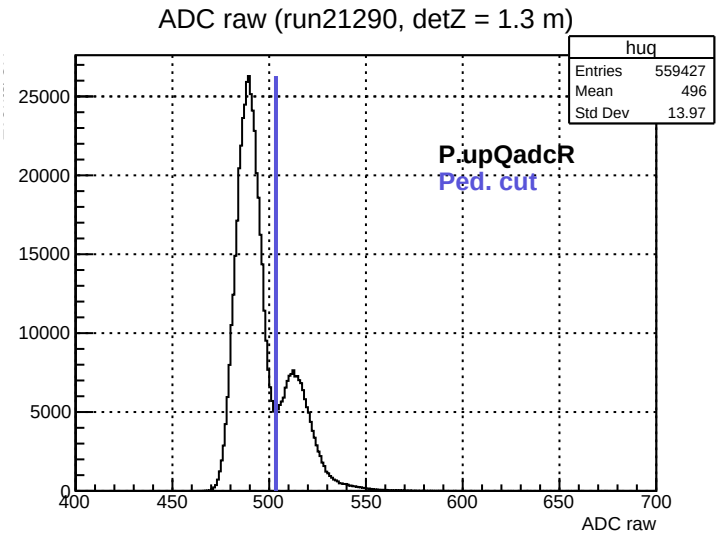

θlab (deg), xCut = -0.076 m
Theta
Entries 111113
Mean 4.777
Std Dev 0.4966
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

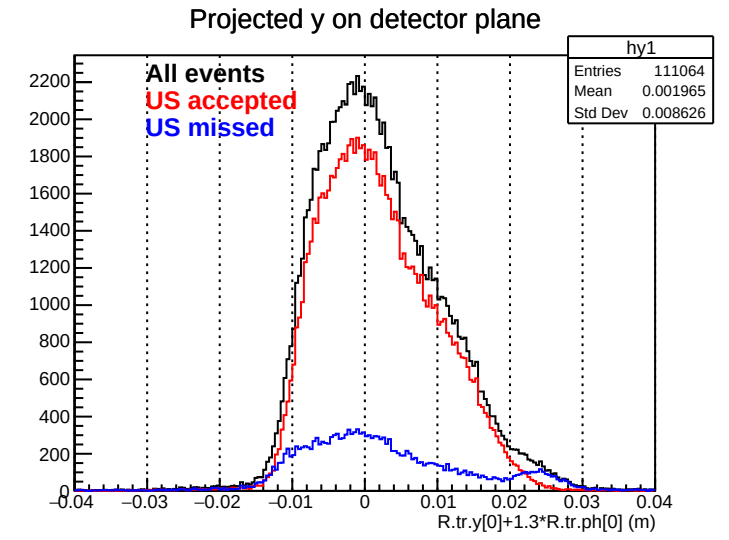

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 111113
Mean 0.5642
Std Dev 0.09727
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

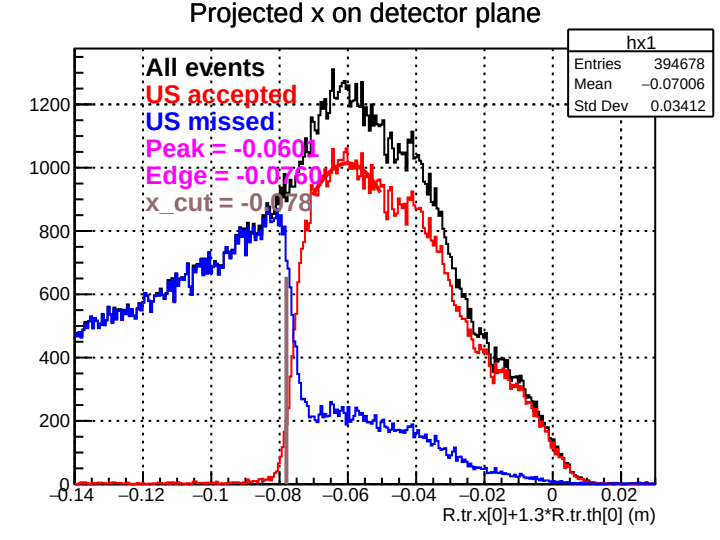

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 111113
Mean 0.5514
Std Dev 0.0932
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

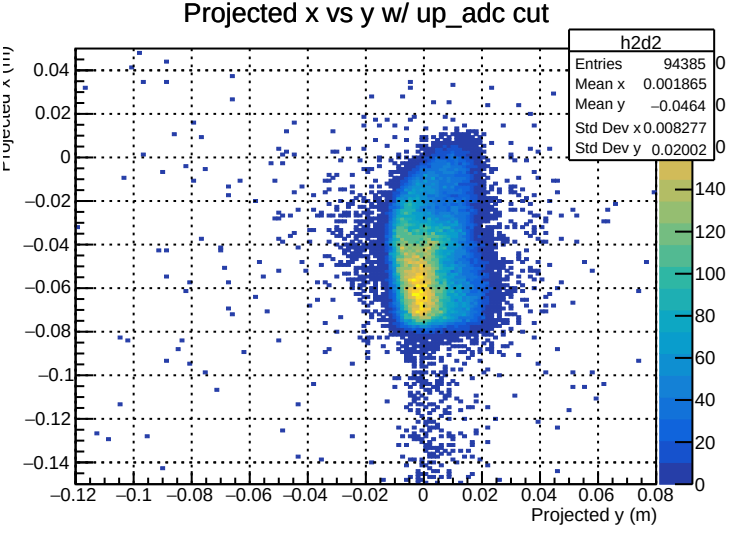

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 111113
Mean 0.006314
Std Dev 0.001346
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

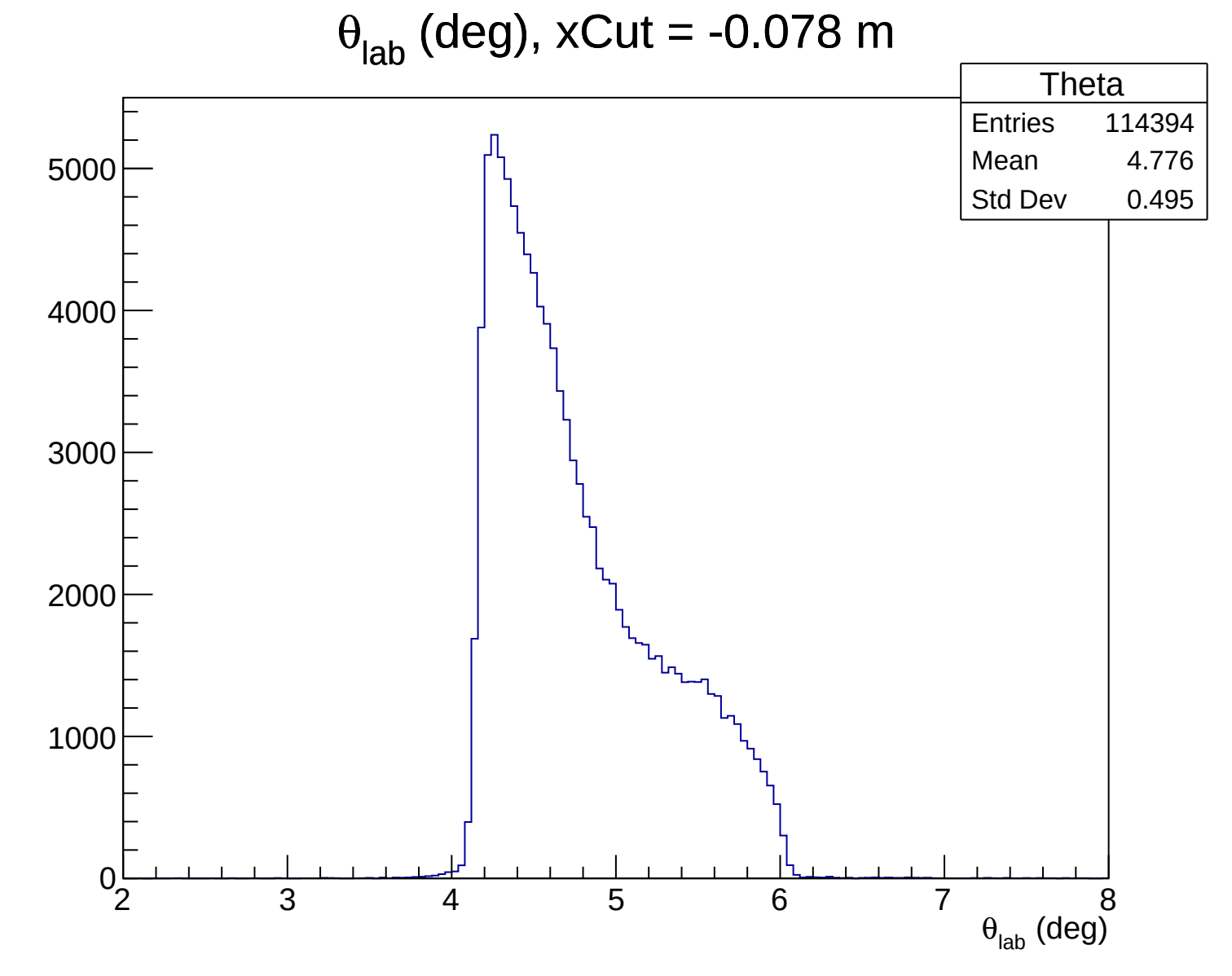

Sensitivity, xCut = -0.076 m
sens
Entries 111113
Mean 0.02214
Std Dev 0.004243
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

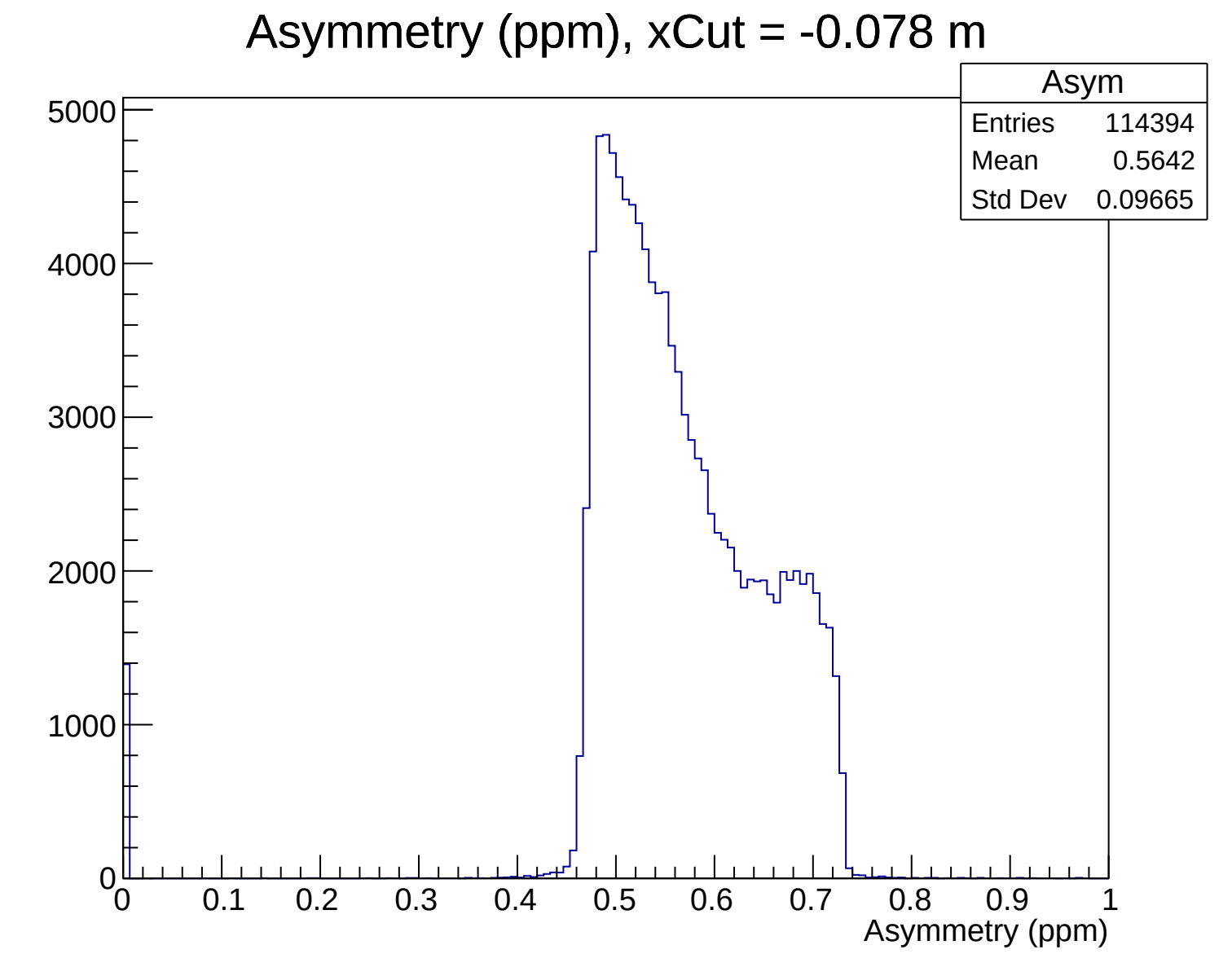

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

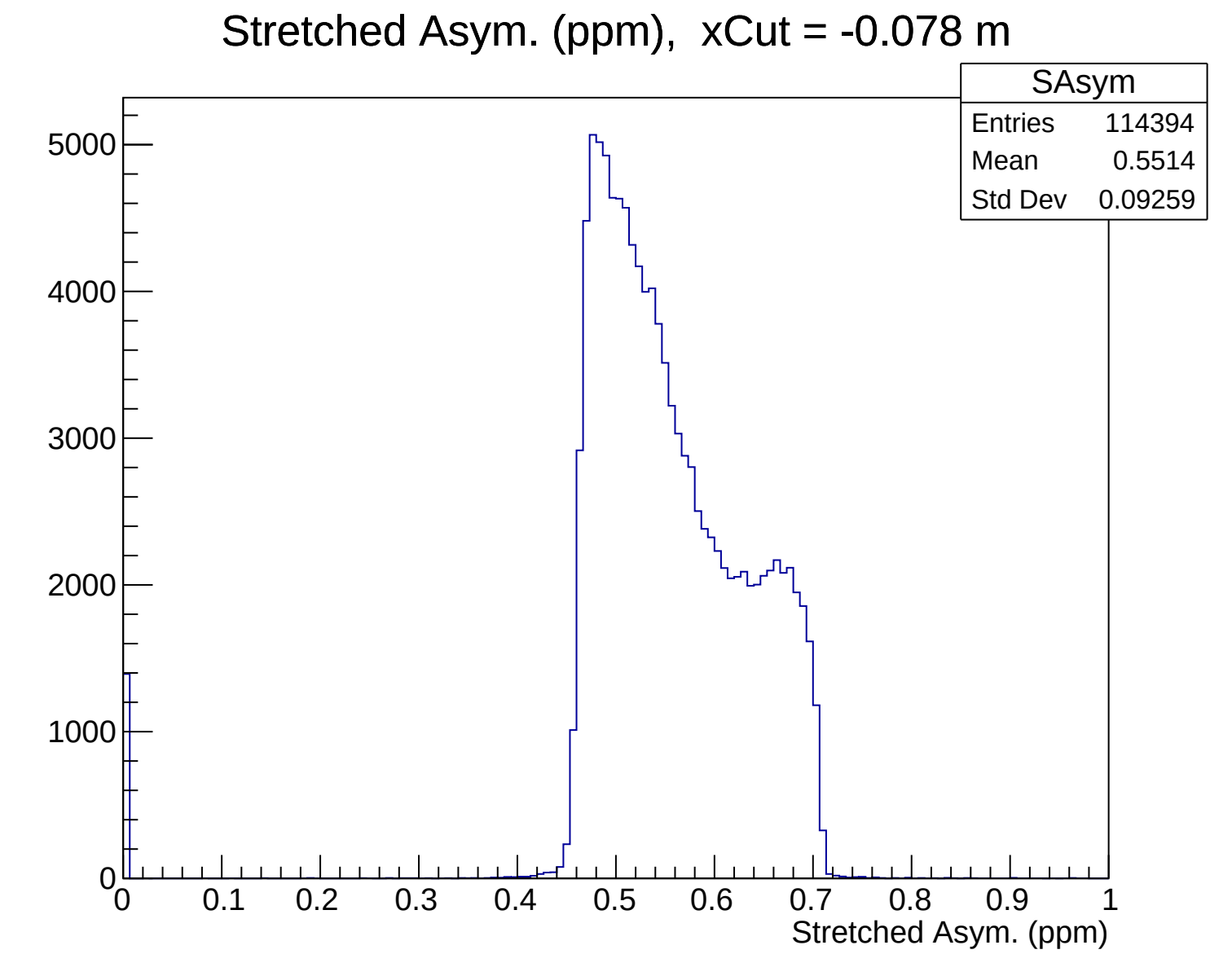

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

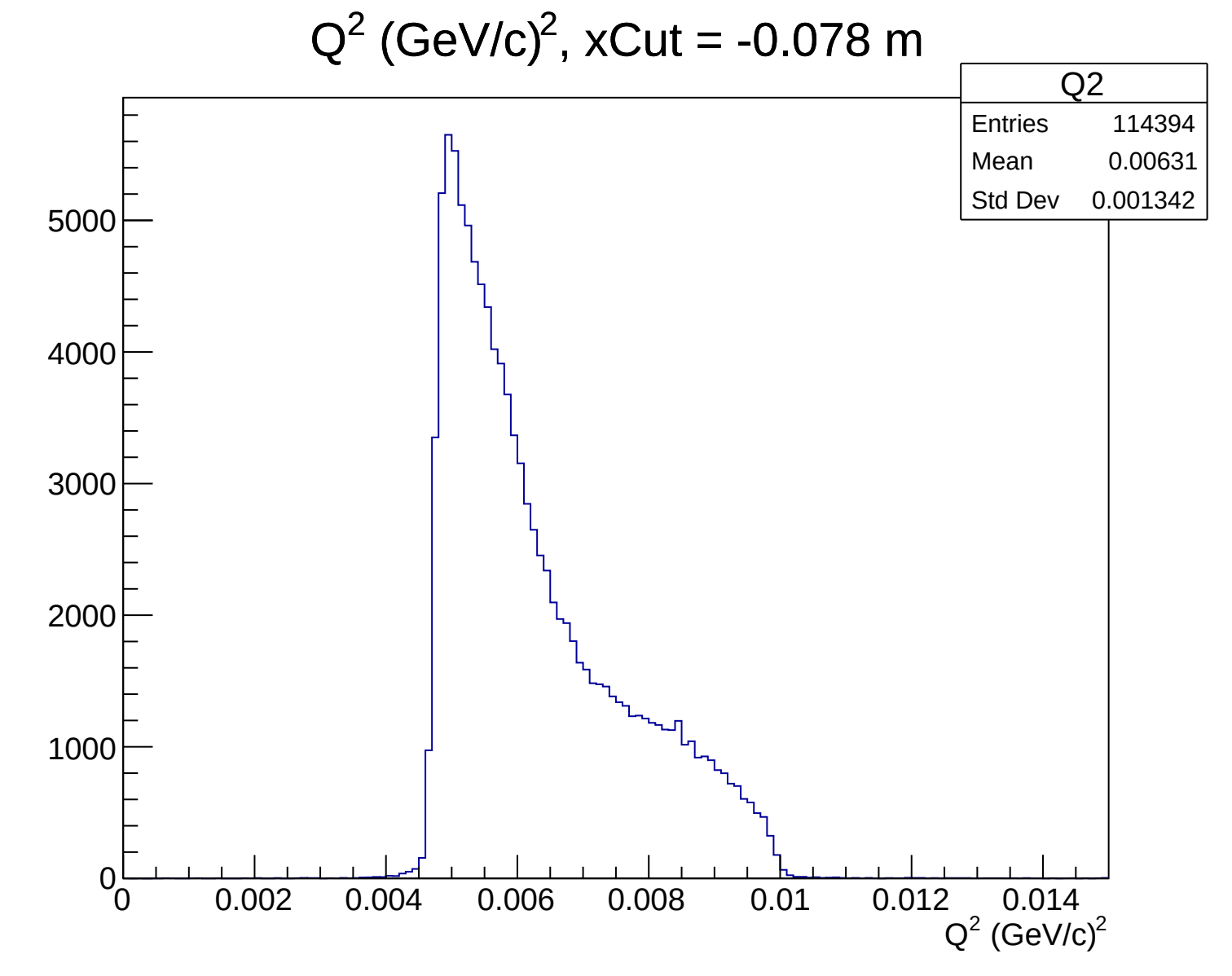

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.078
R.tr.x[0]+1.3*R.tr.th[0] (m)

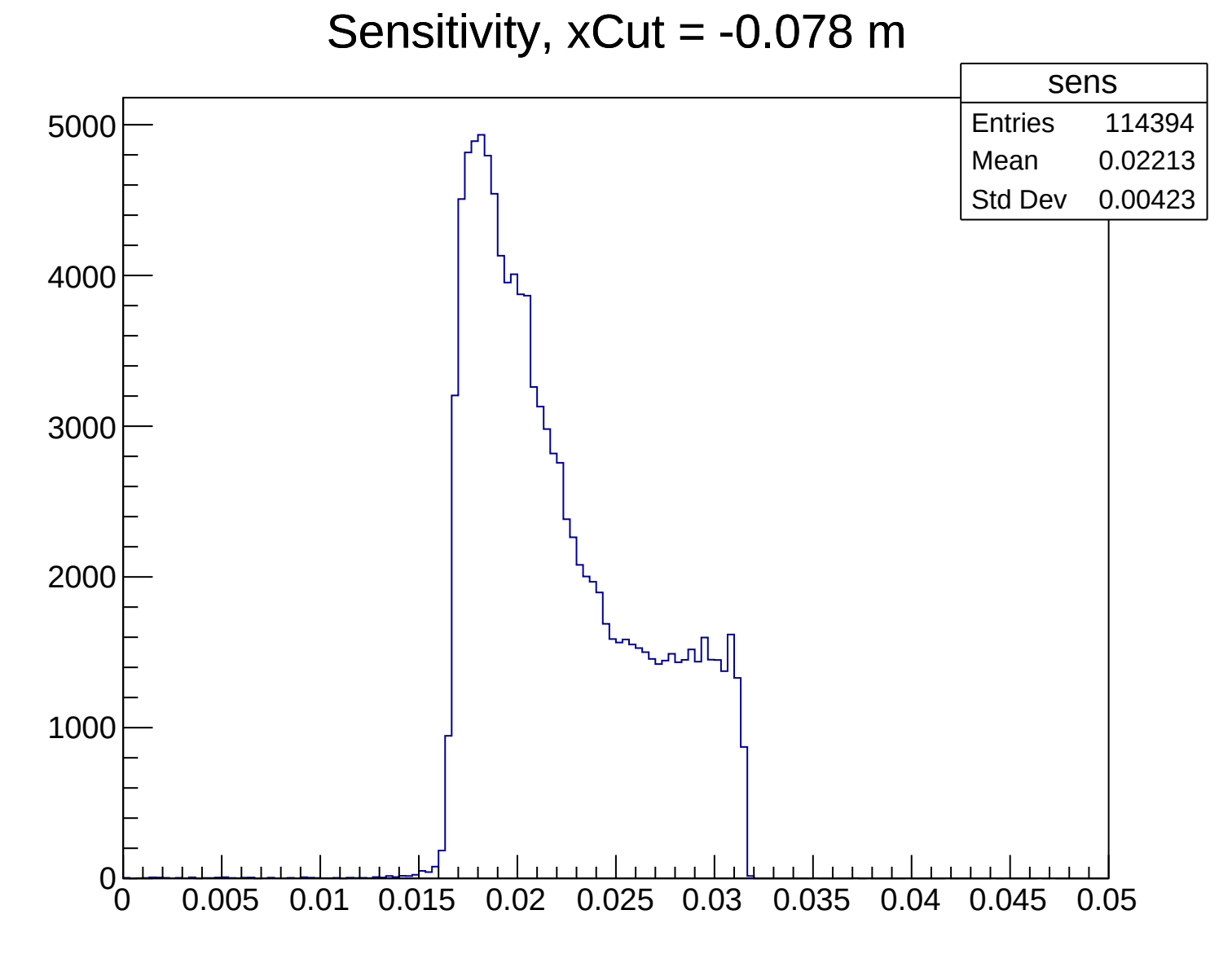

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

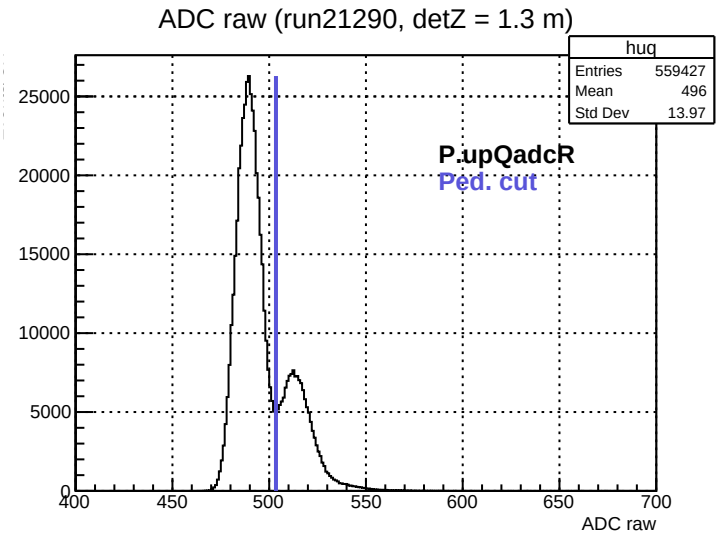

θlab (deg), xCut = -0.078 m
Theta
Entries 114394
Mean 4.776
Std Dev 0.495
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

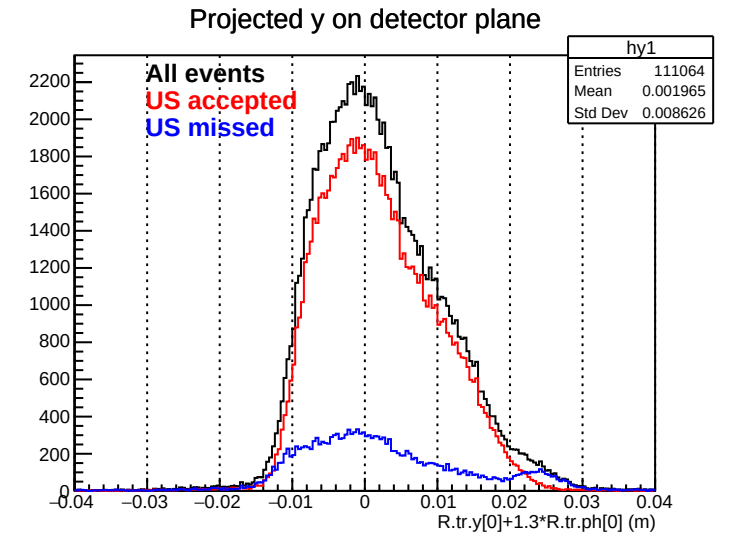

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 114394
Mean 0.5642
Std Dev 0.09665
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

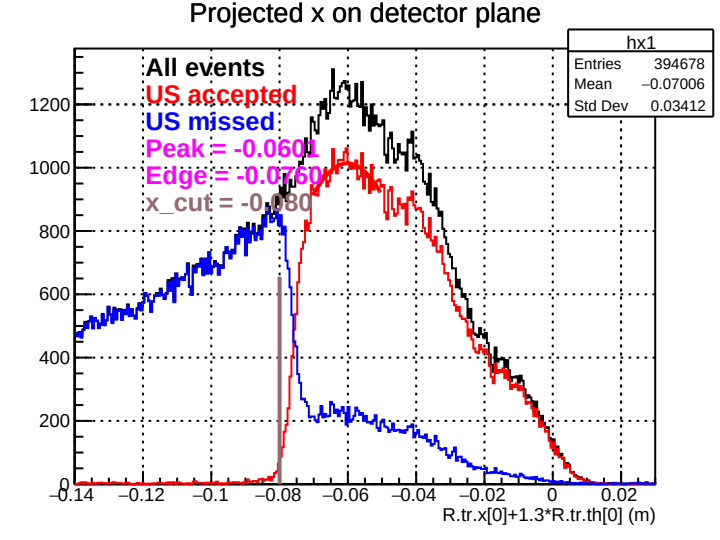

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 114394
Mean 0.5514
Std Dev 0.09259
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

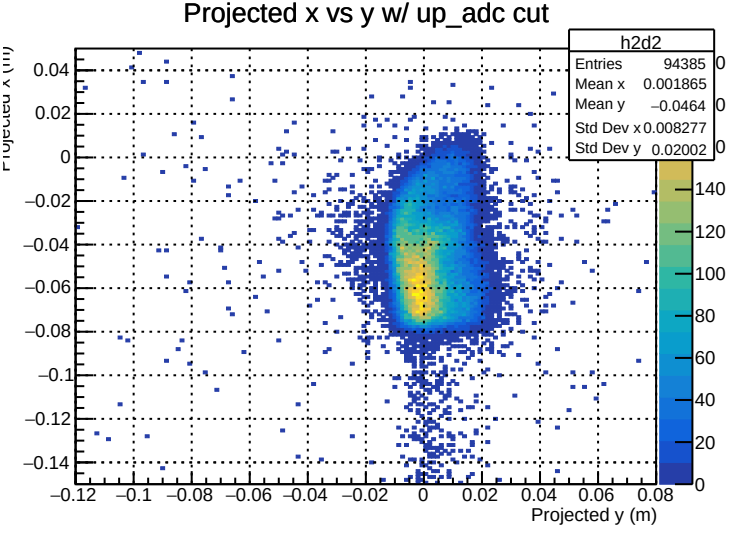

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 114394
Mean 0.00631
Std Dev 0.001342
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

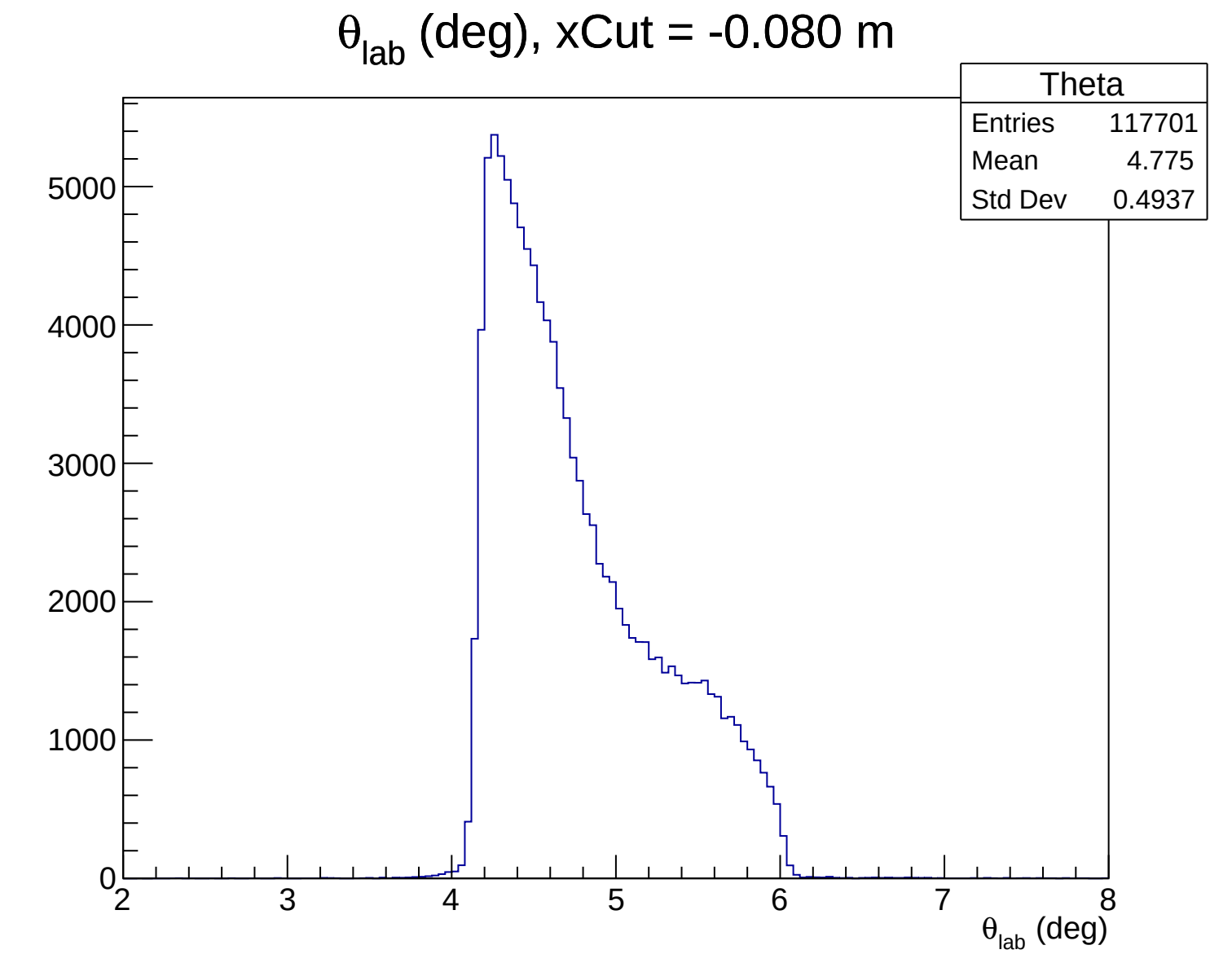

Sensitivity, xCut = -0.078 m
sens
Entries 114394
Mean 0.02213
Std Dev 0.00423
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

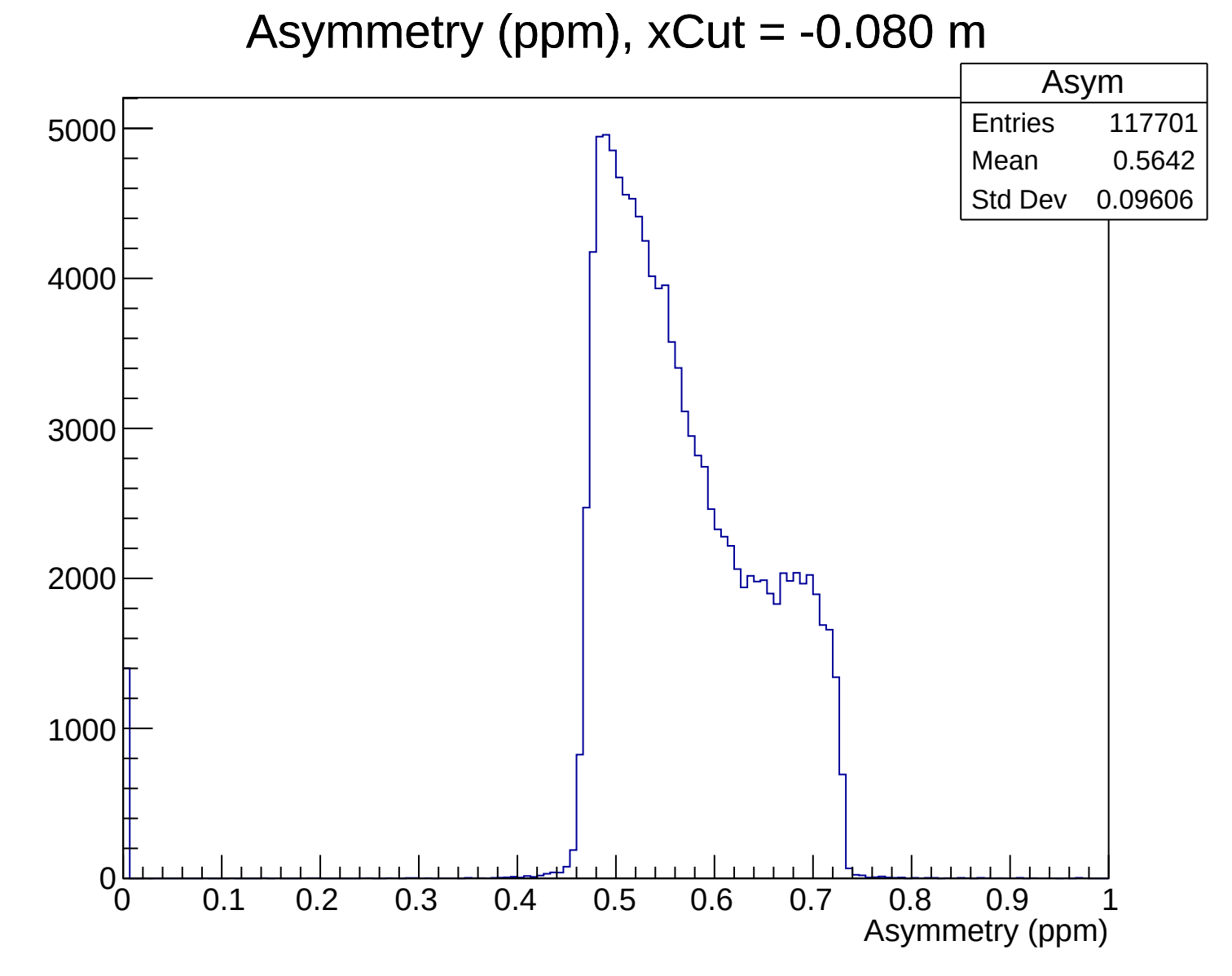

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

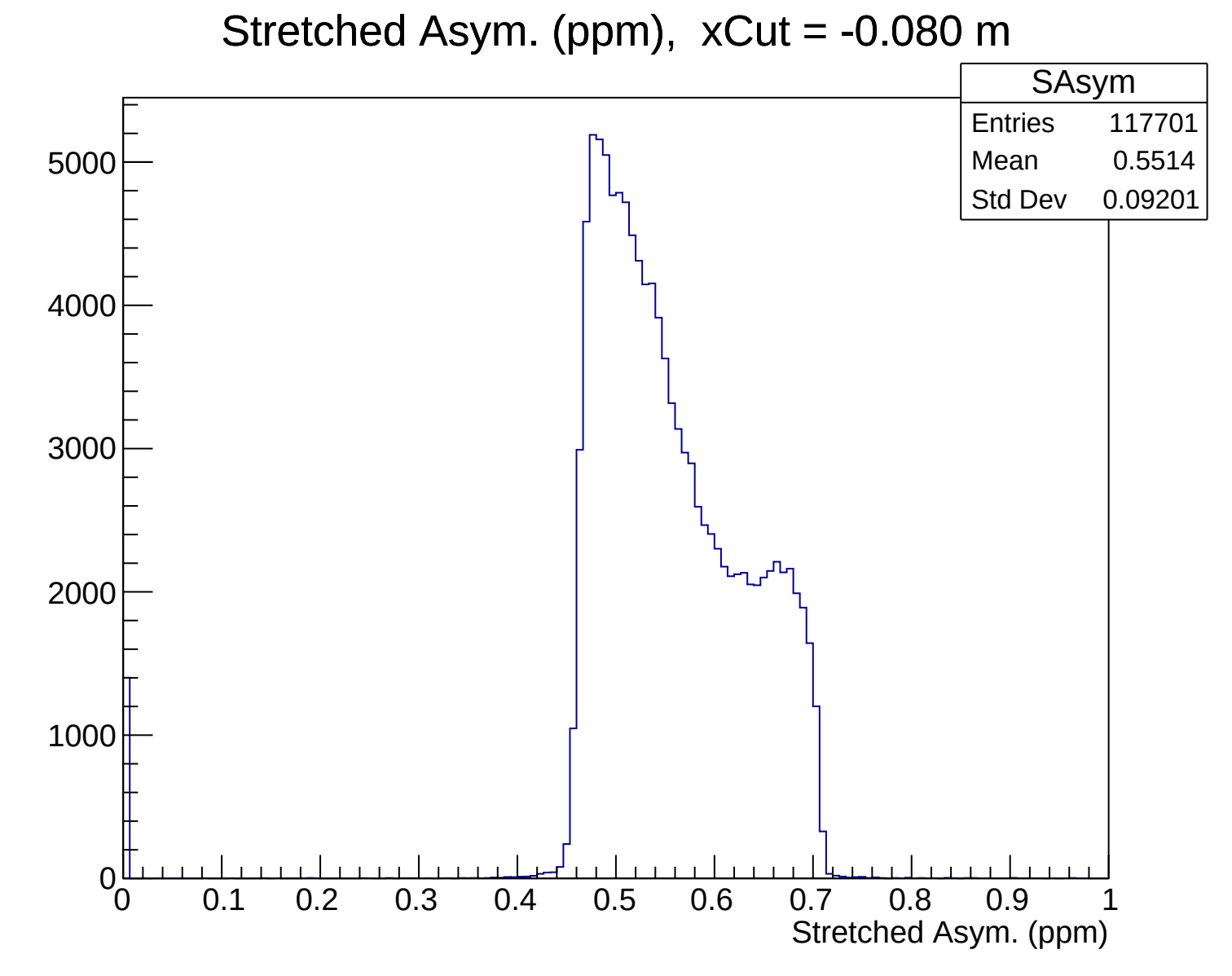

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

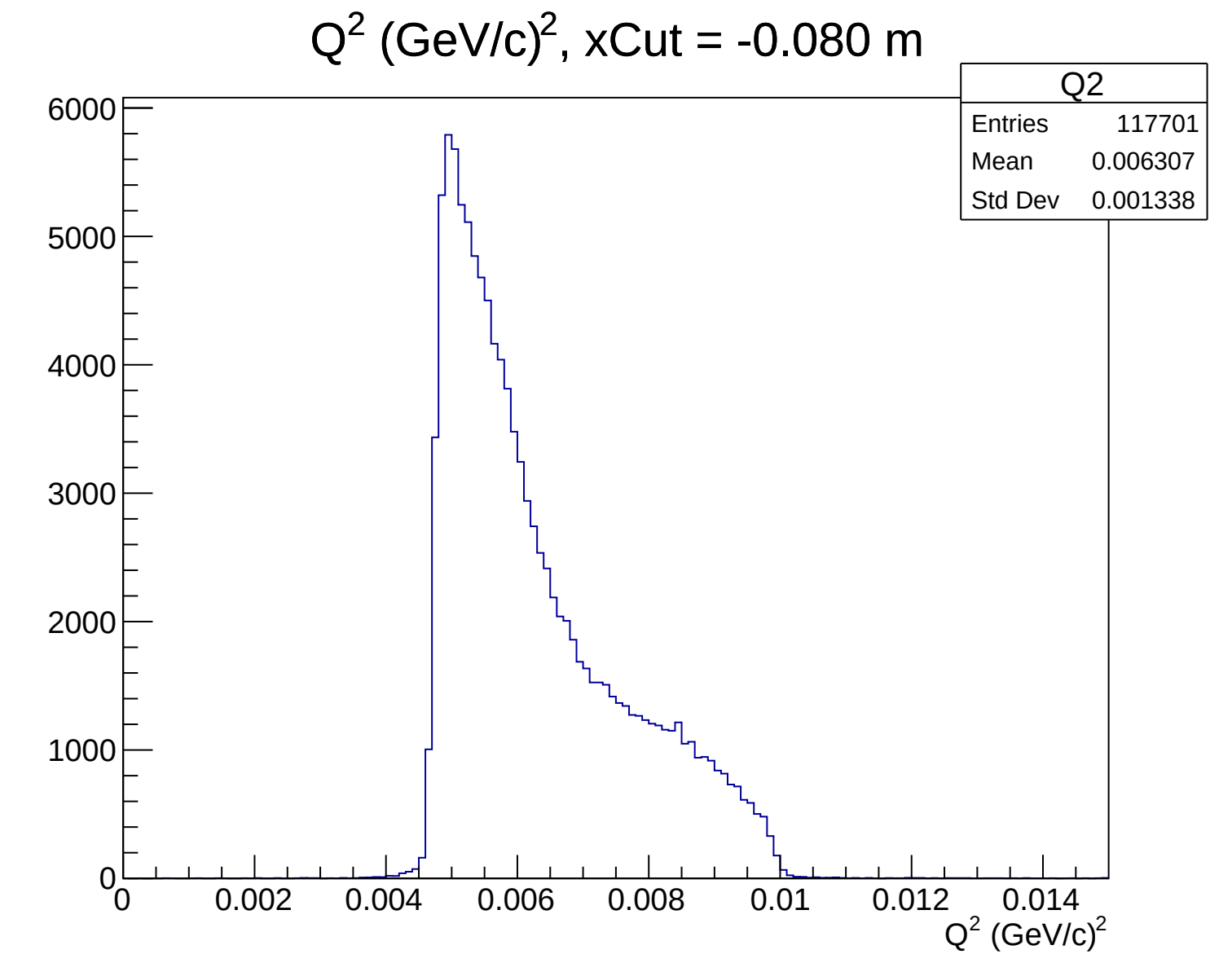

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.080
R.tr.x[0]+1.3*R.tr.th[0] (m)

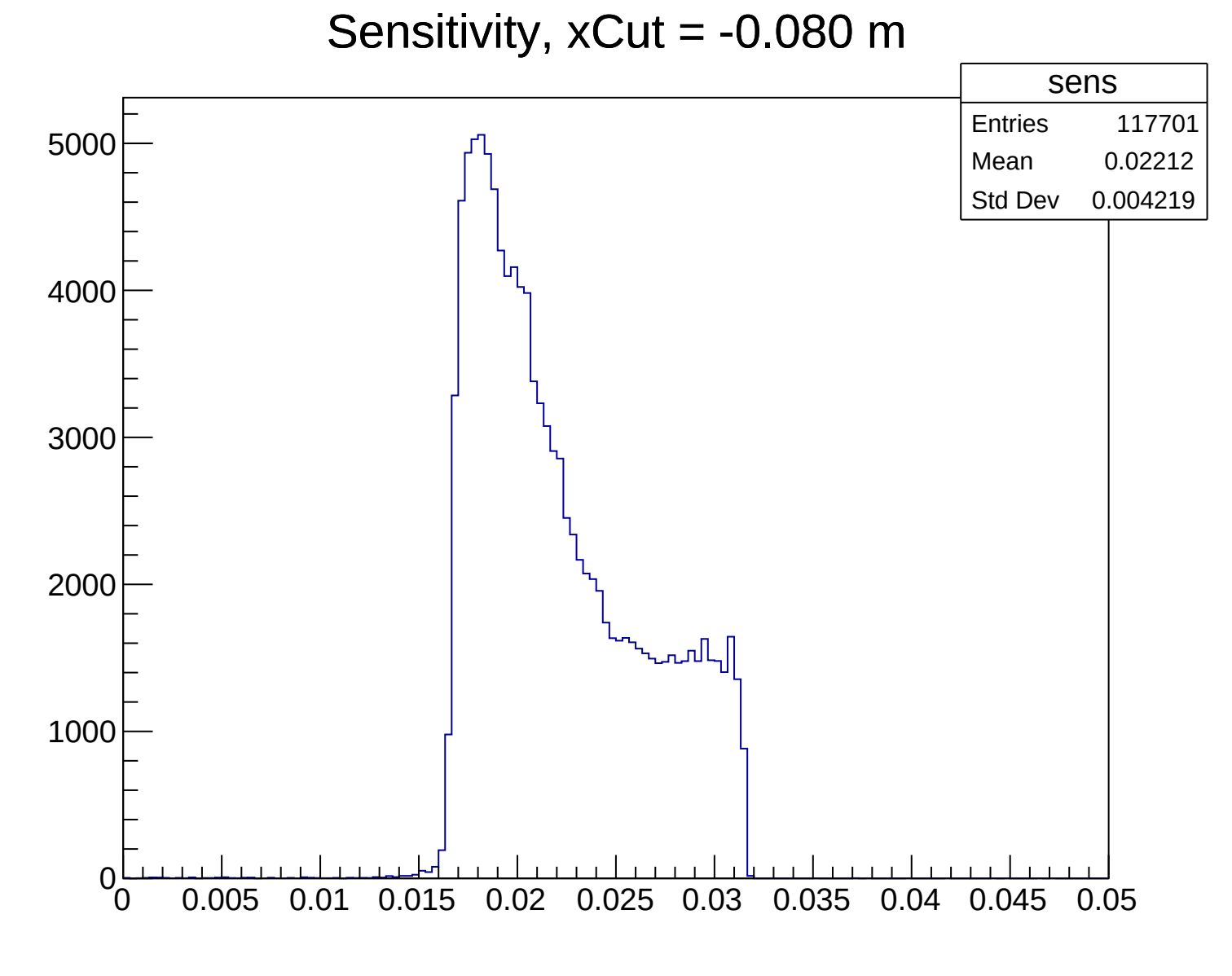

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

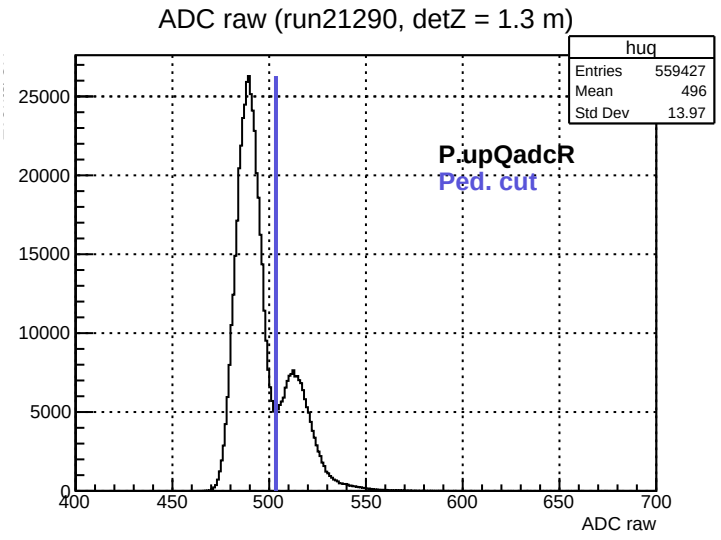

θlab (deg), xCut = -0.080 m
Theta
Entries 117701
Mean 4.775
Std Dev 0.4937
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

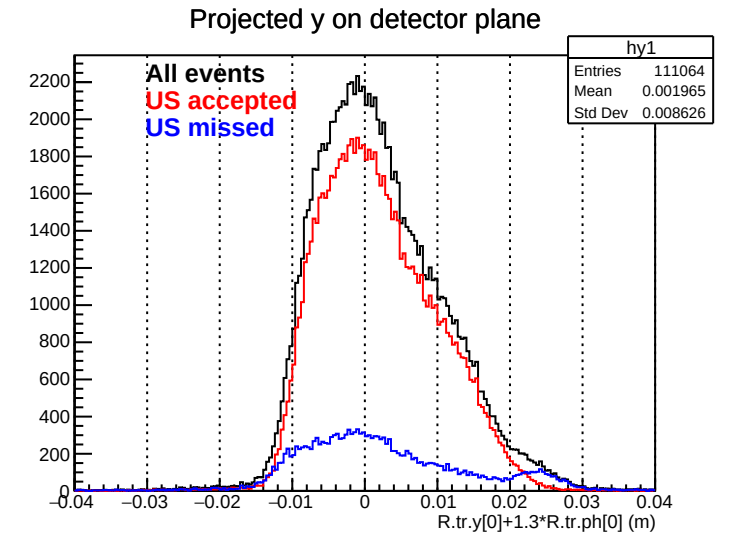

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 117701
Mean 0.5642
Std Dev 0.09606
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

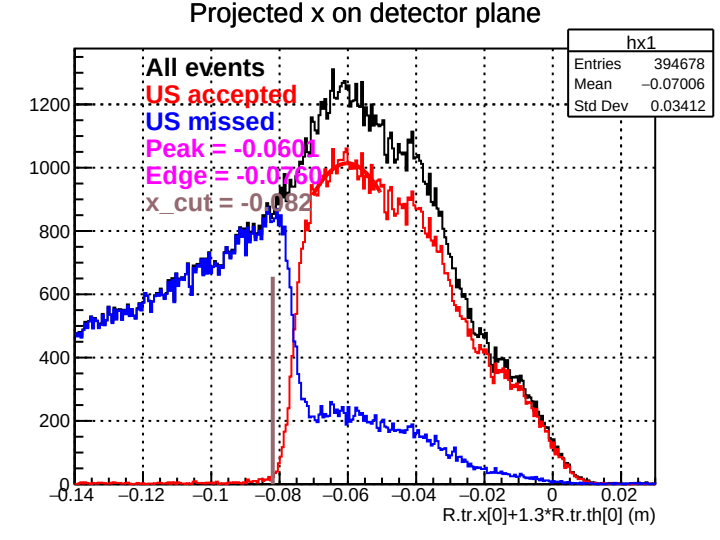

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 117701
Mean 0.5514
Std Dev 0.09201
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

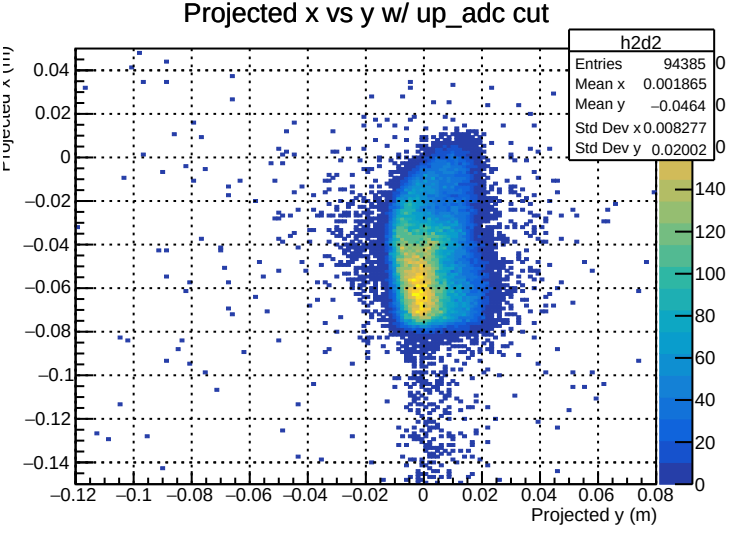

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 117701
Mean 0.006307
Std Dev 0.001338
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

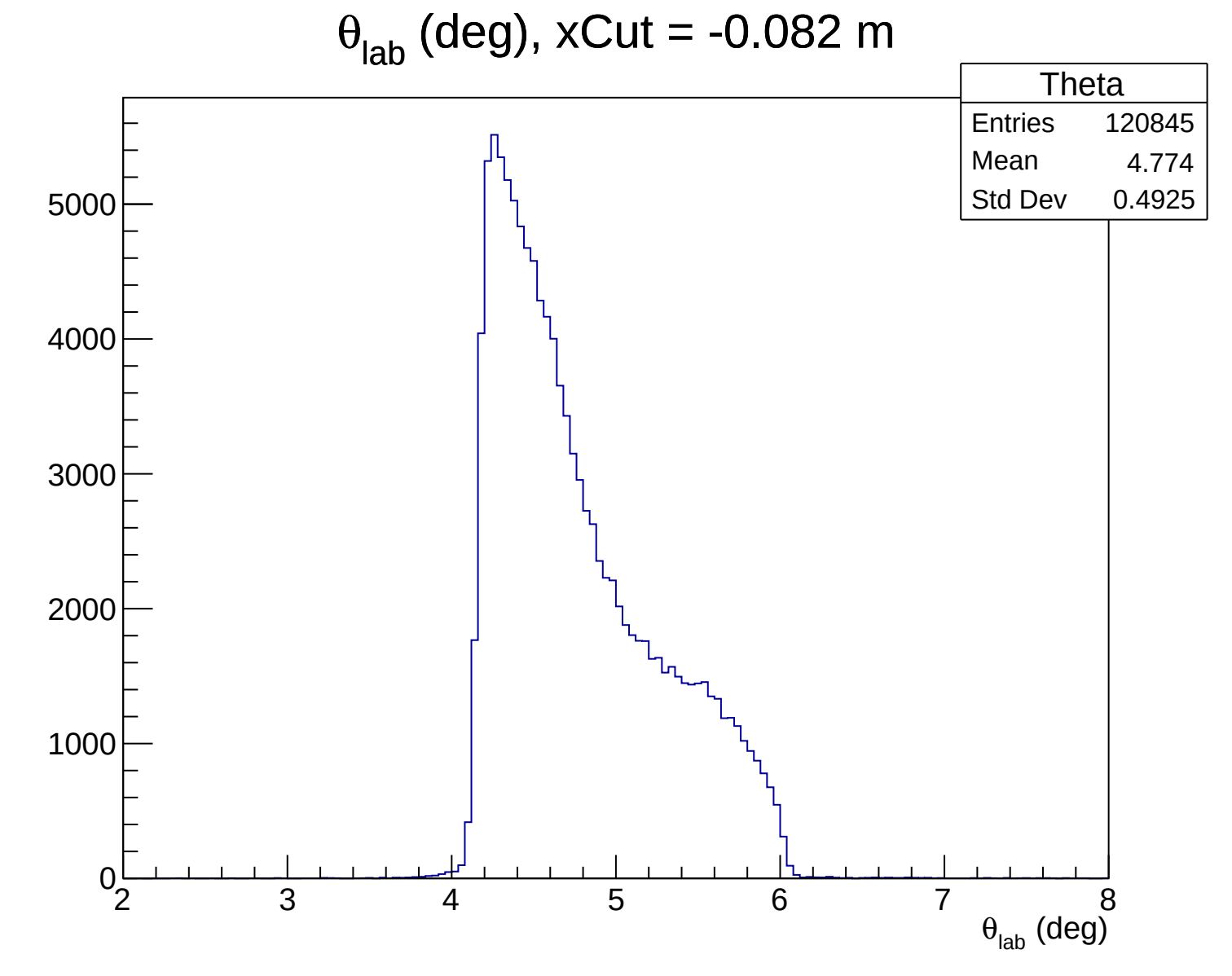

Sensitivity, xCut = -0.080 m
sens
Entries 117701
Mean 0.02212
Std Dev 0.004219
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

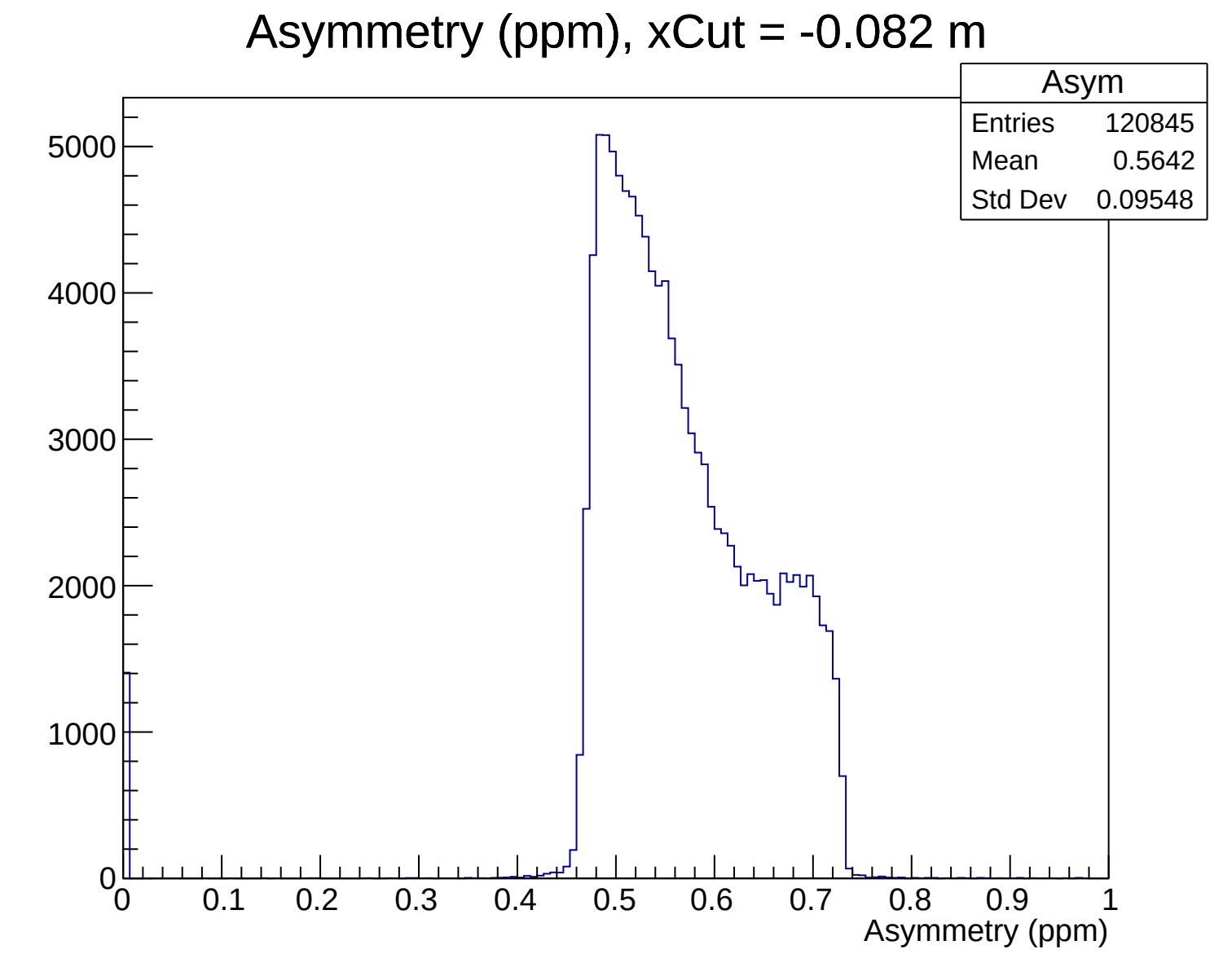

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

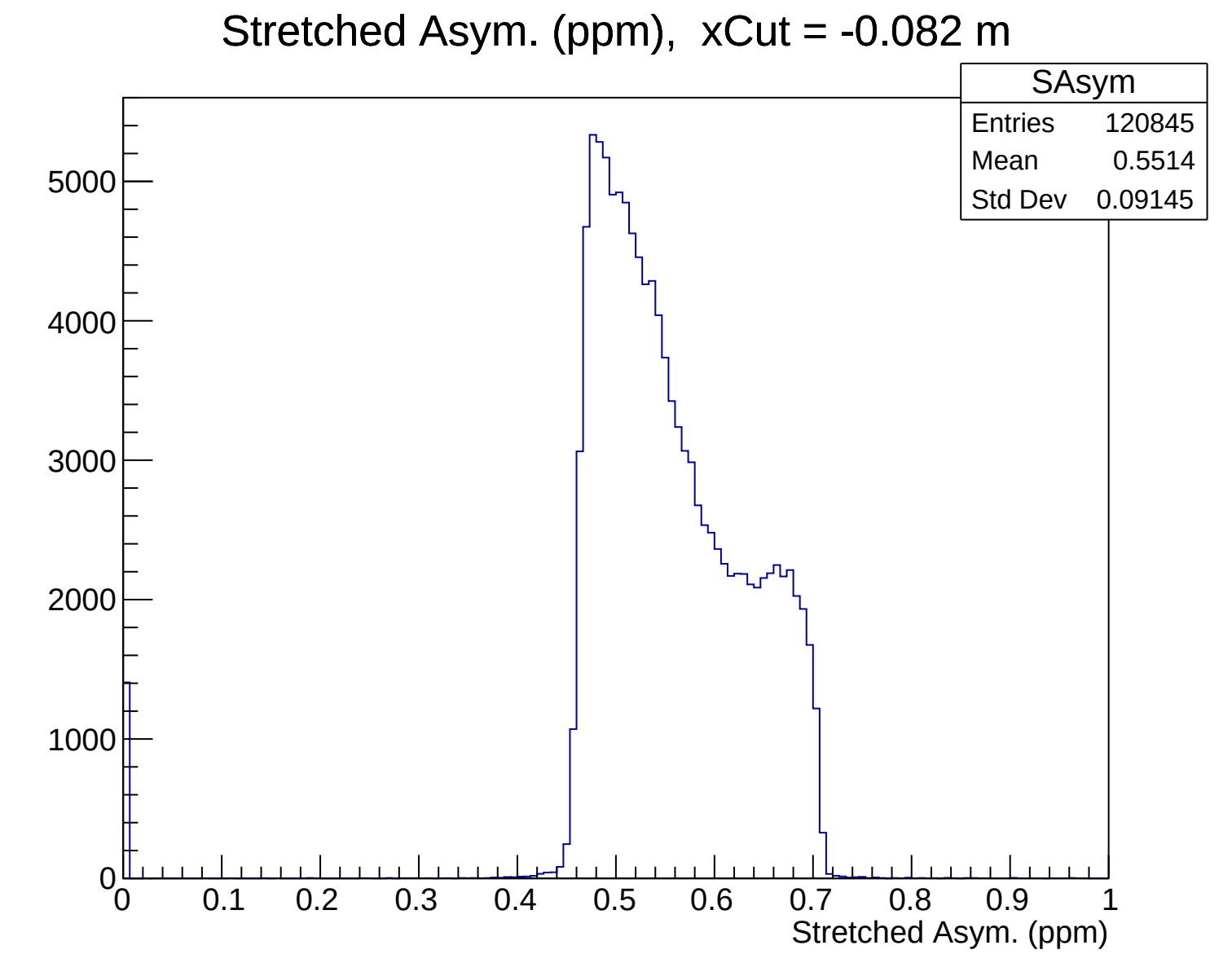

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

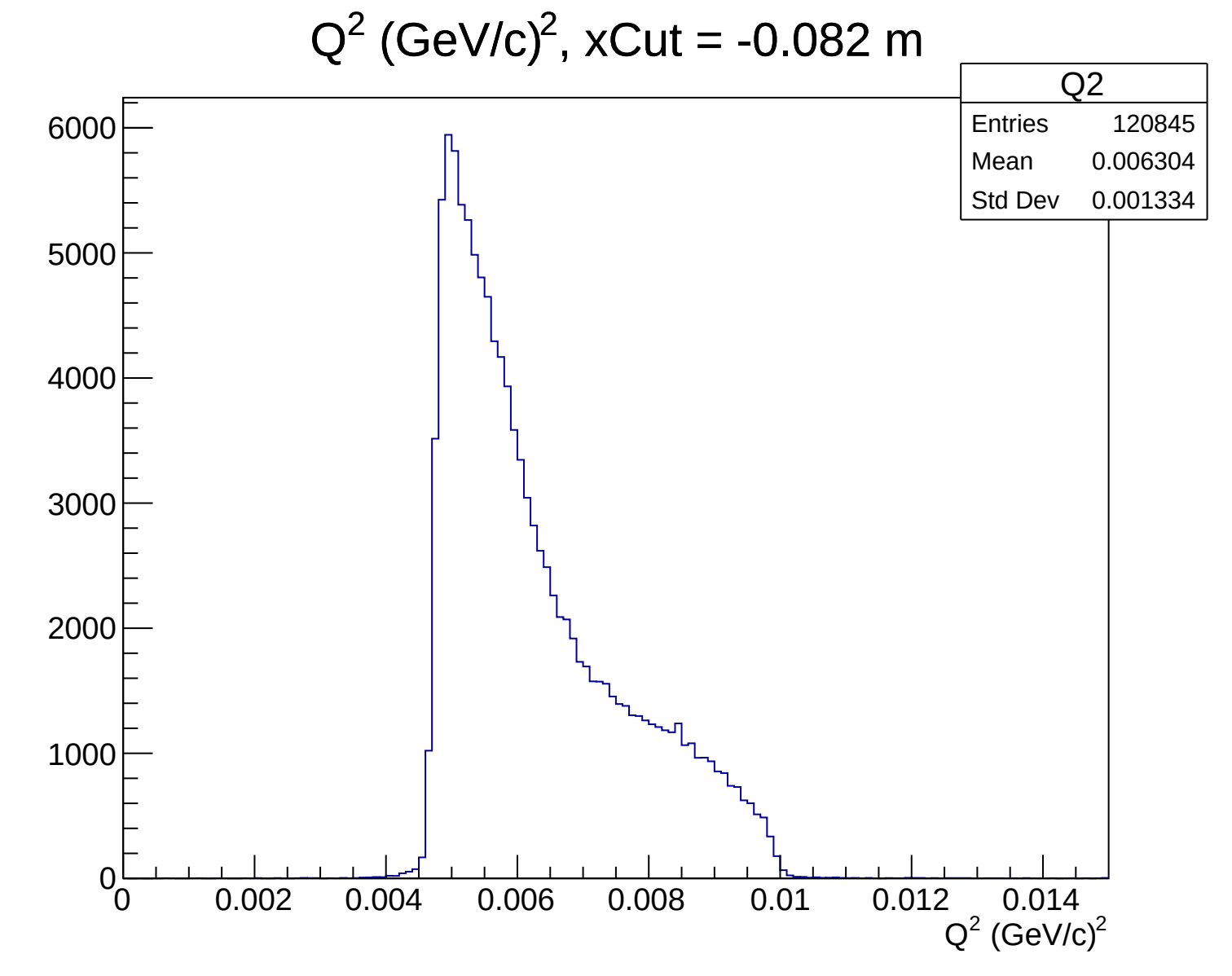

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.082
R.tr.x[0]+1.3*R.tr.th[0] (m)

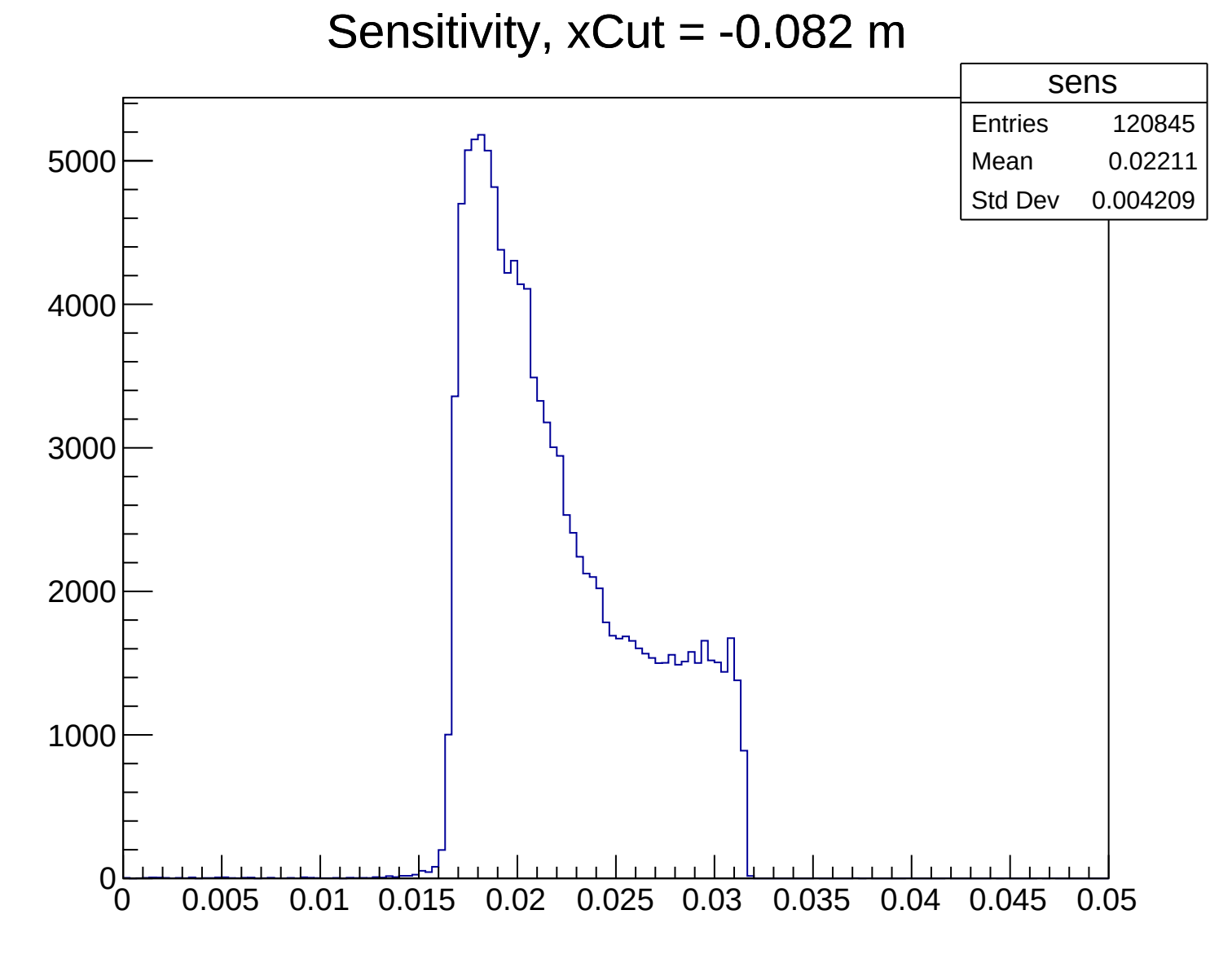

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

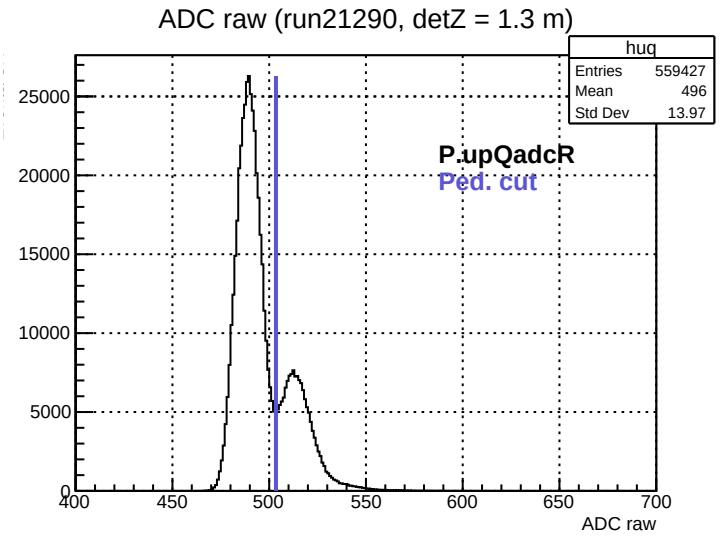

θlab (deg), xCut = -0.082 m
Theta
Entries 120845
Mean 4.774
Std Dev 0.4925
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

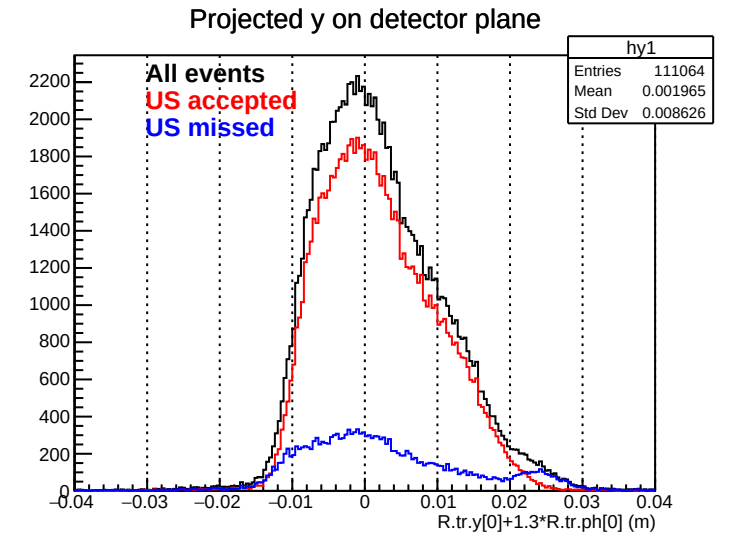

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 120845
Mean 0.5642
Std Dev 0.09548
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

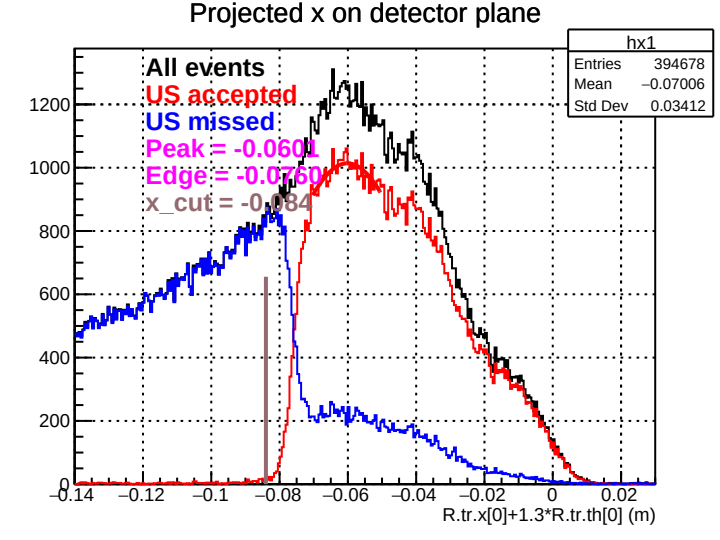

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 120845
Mean 0.5514
Std Dev 0.09145
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

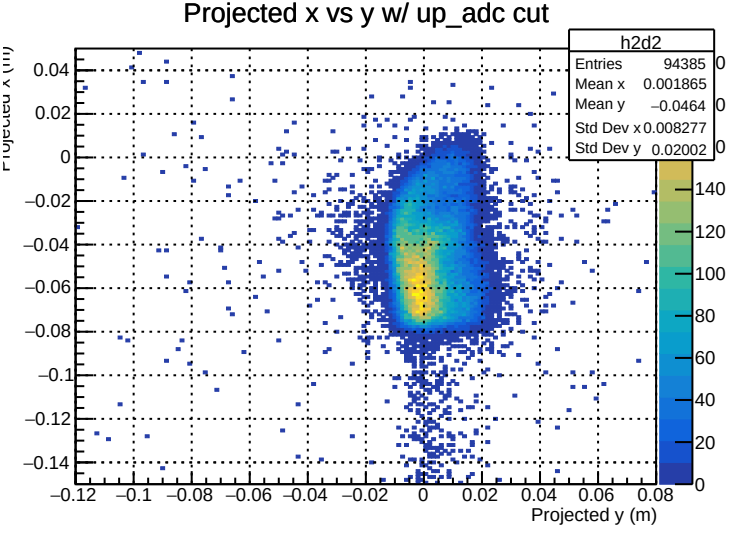

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 120845
Mean 0.006304
Std Dev 0.001334
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

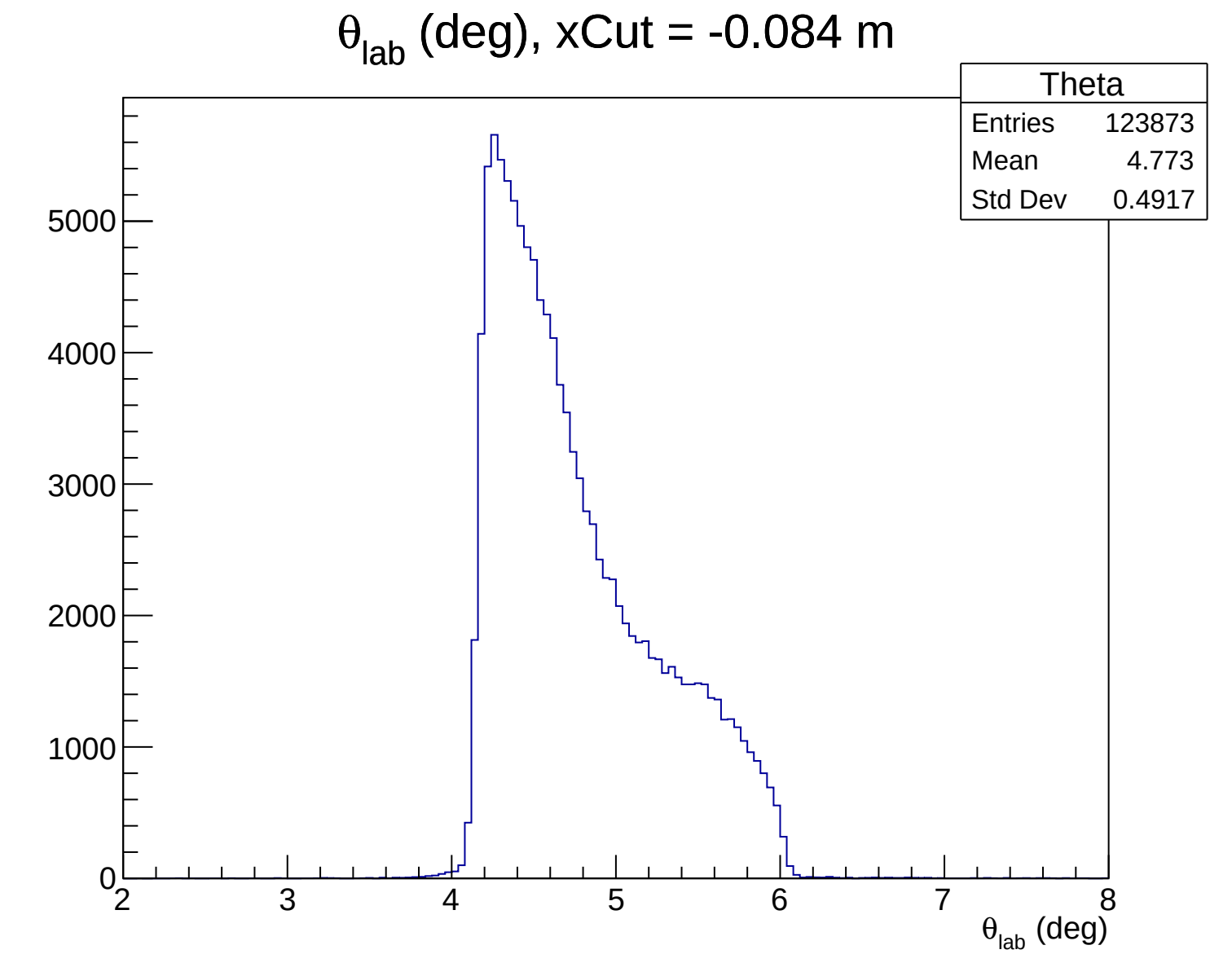

Sensitivity, xCut = -0.082 m
sens
Entries 120845
Mean 0.02211
Std Dev 0.004209
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

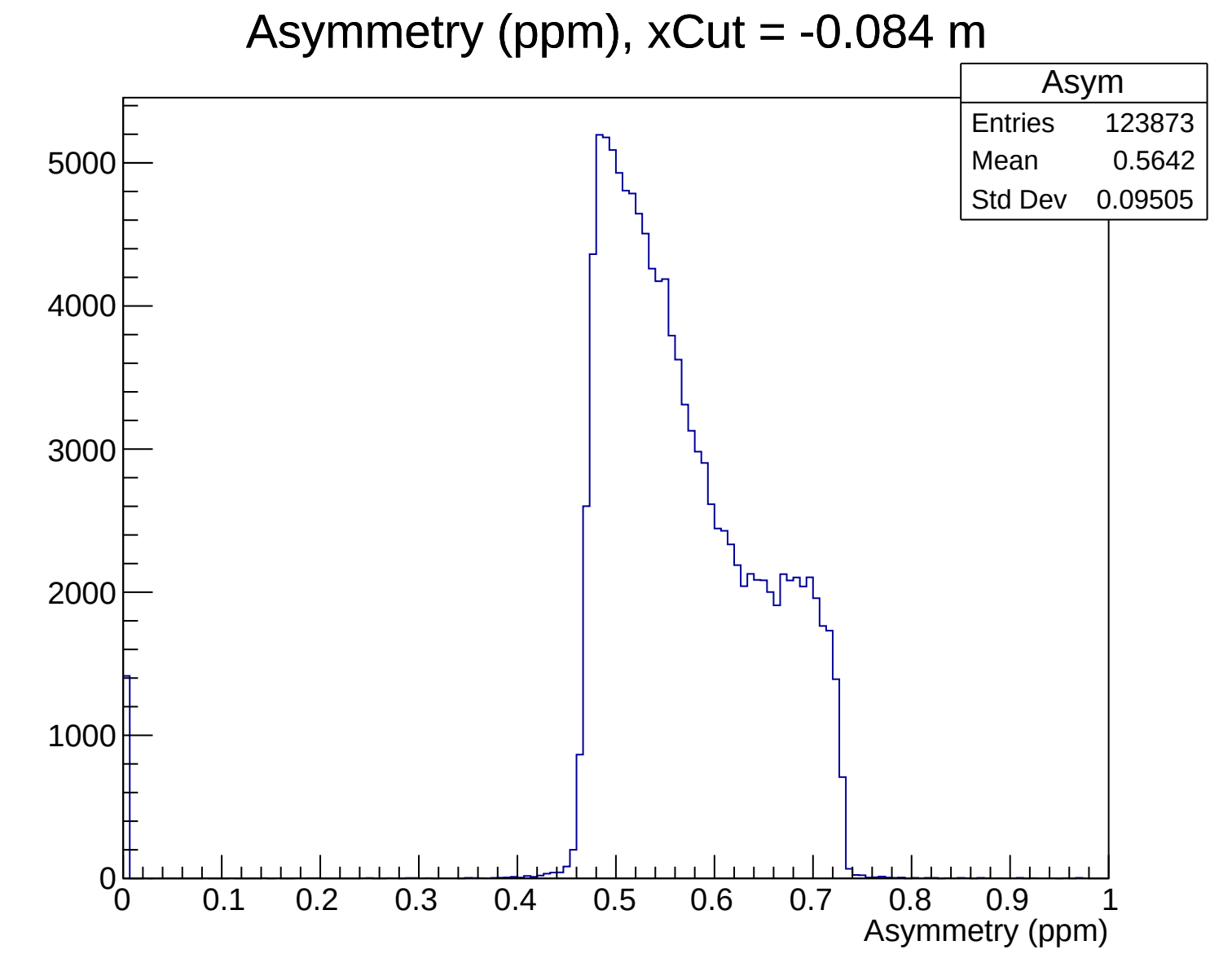

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

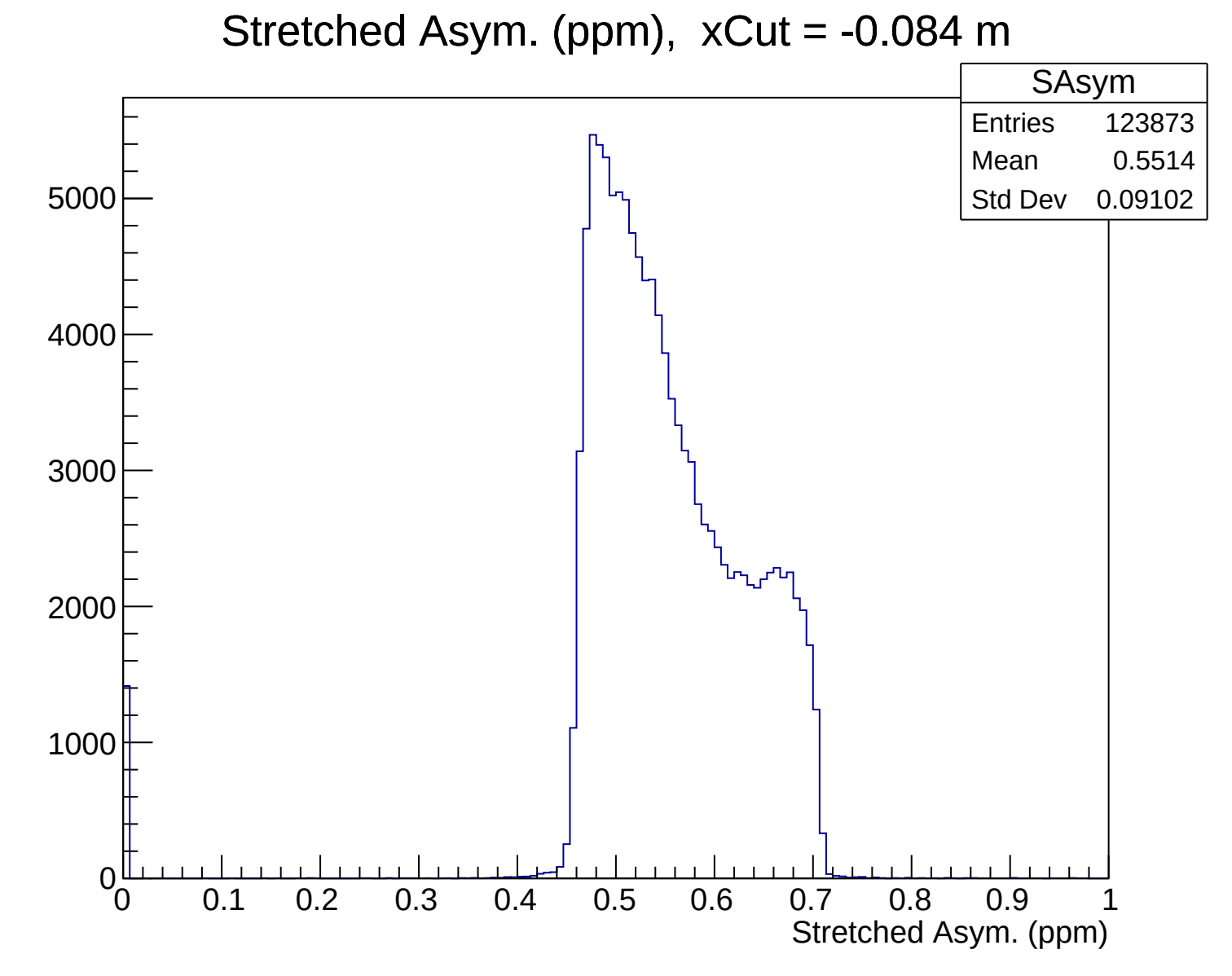

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

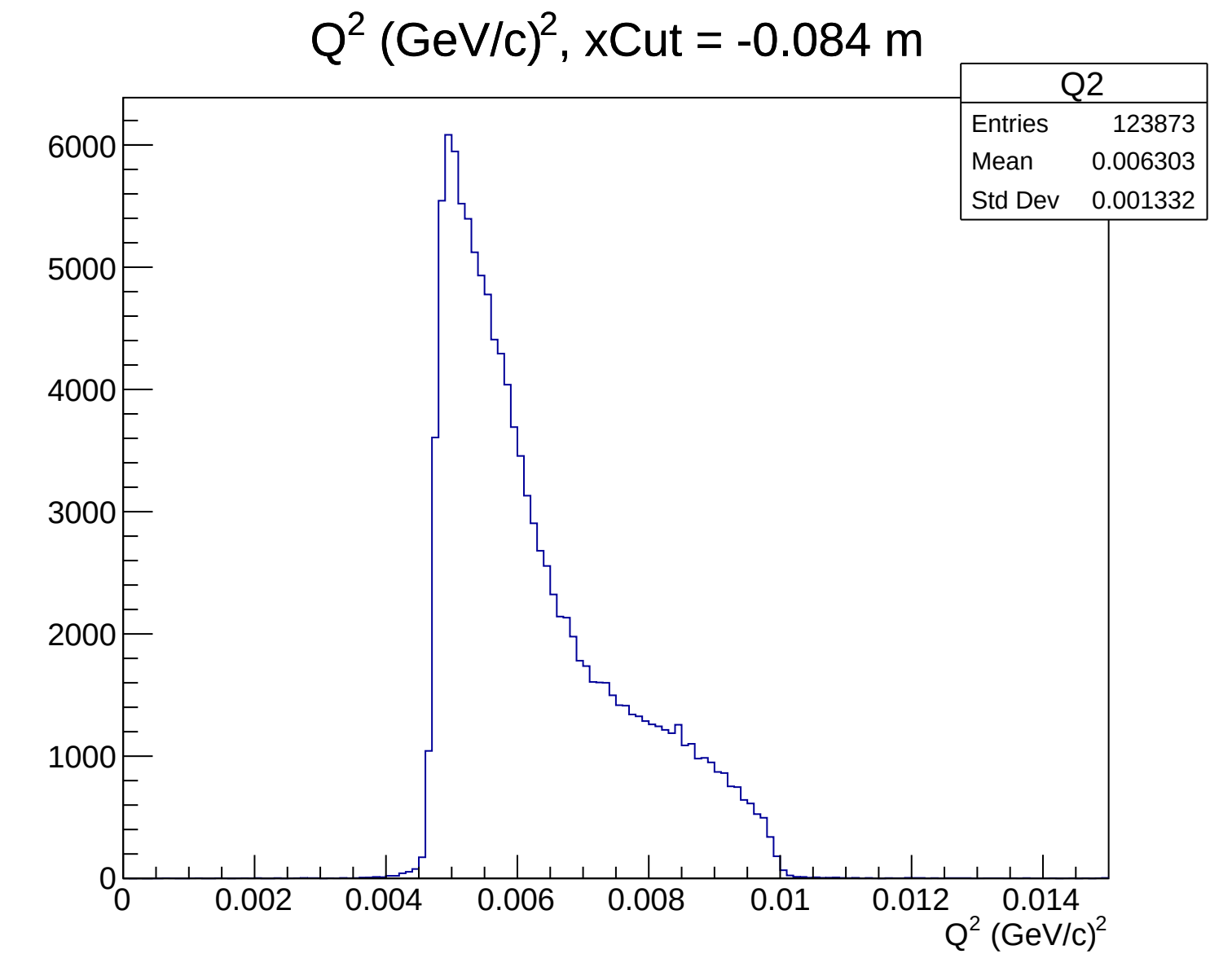

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.084
R.tr.x[0]+1.3*R.tr.th[0] (m)

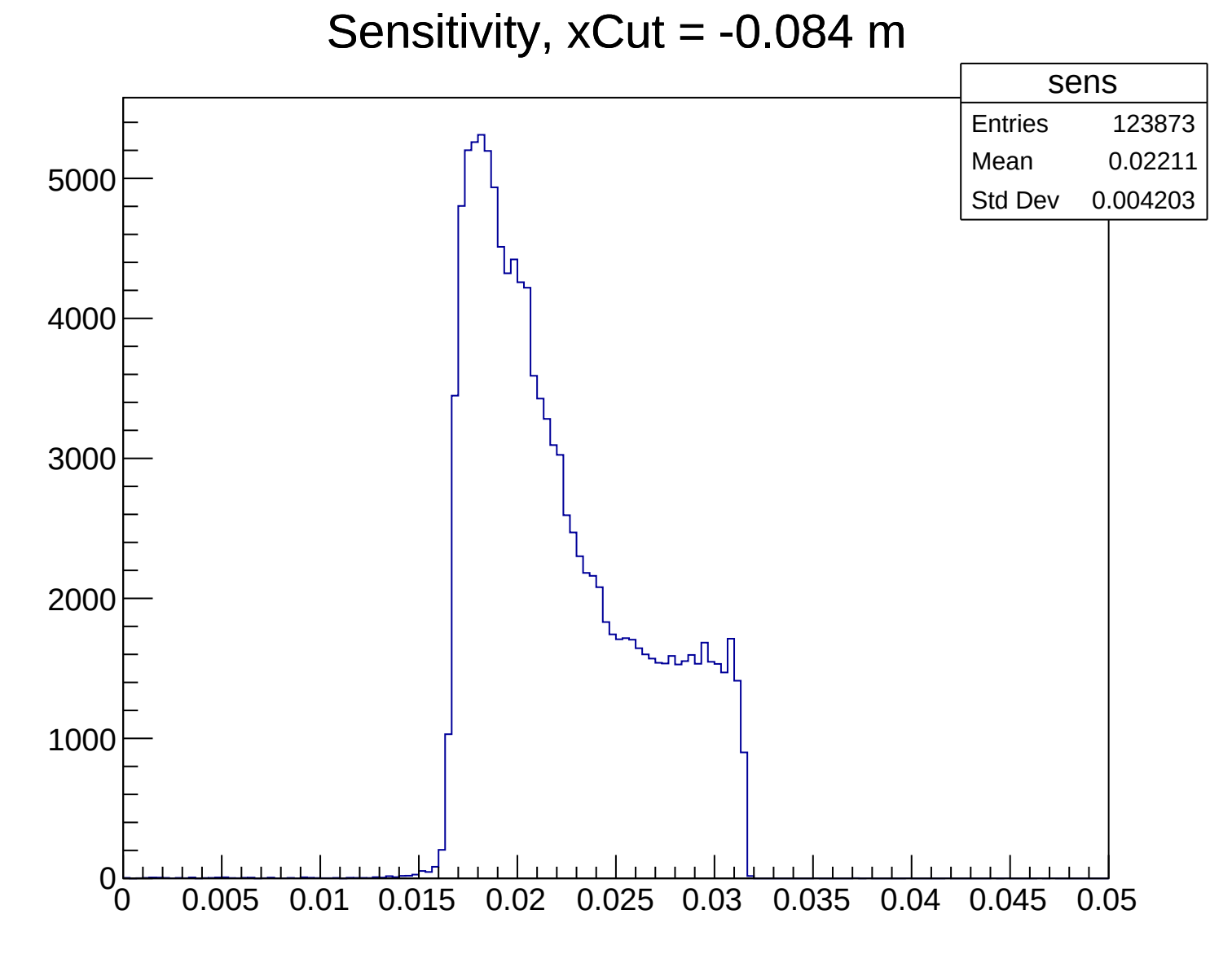

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

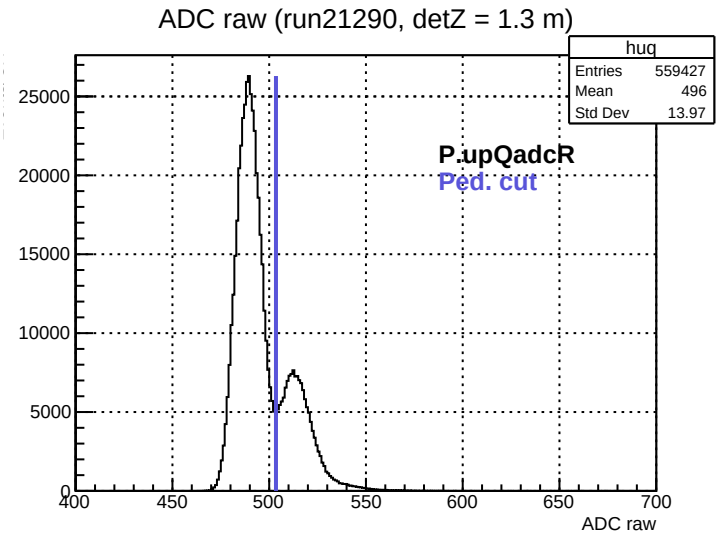

θlab (deg), xCut = -0.084 m
Theta
Entries 123873
Mean 4.773
Std Dev 0.4917
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

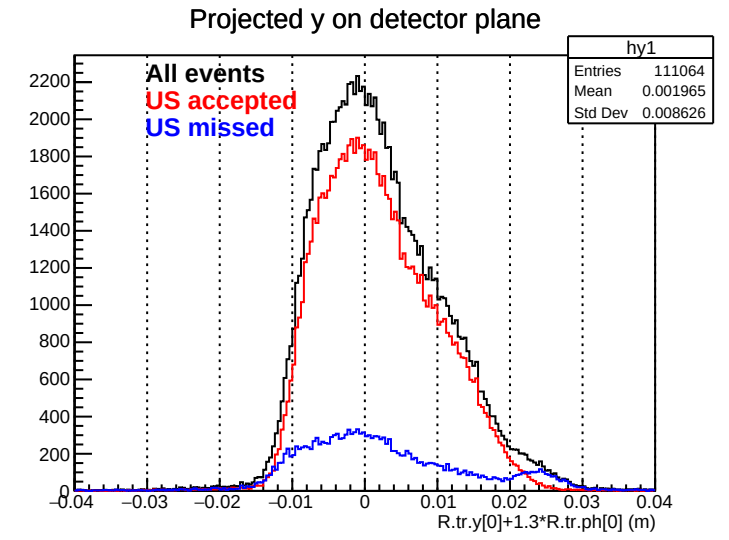

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 123873
Mean 0.5642
Std Dev 0.09505
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

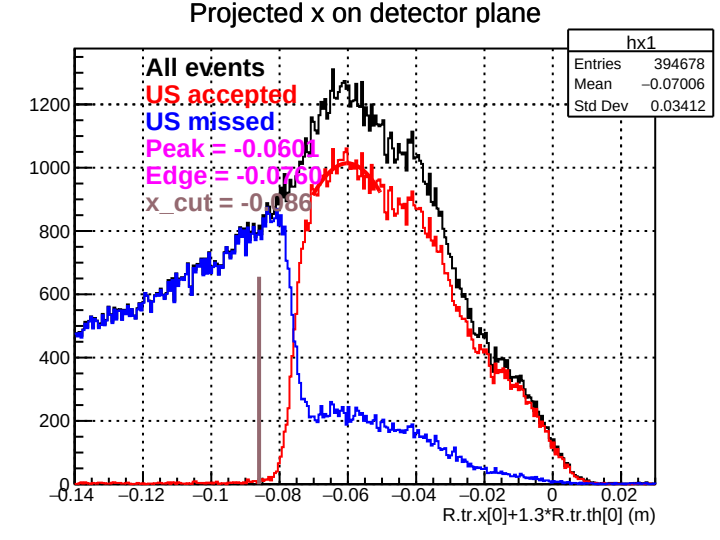

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 123873
Mean 0.5514
Std Dev 0.09102
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

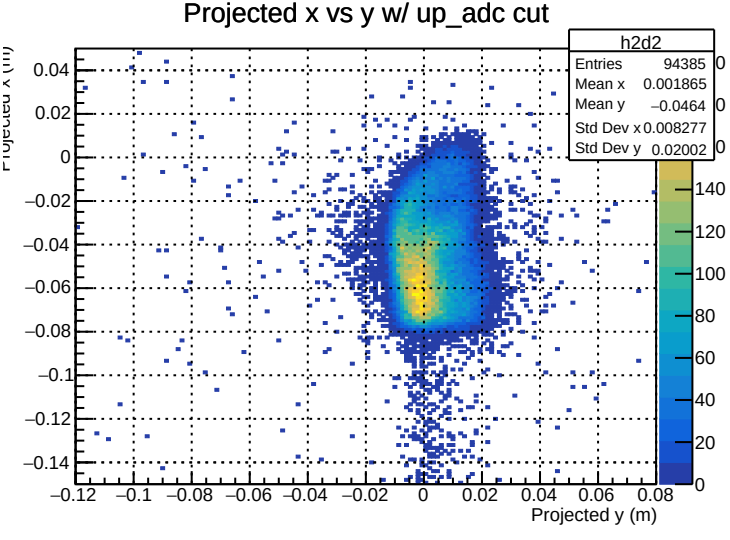

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 123873
Mean 0.006303
Std Dev 0.001332
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

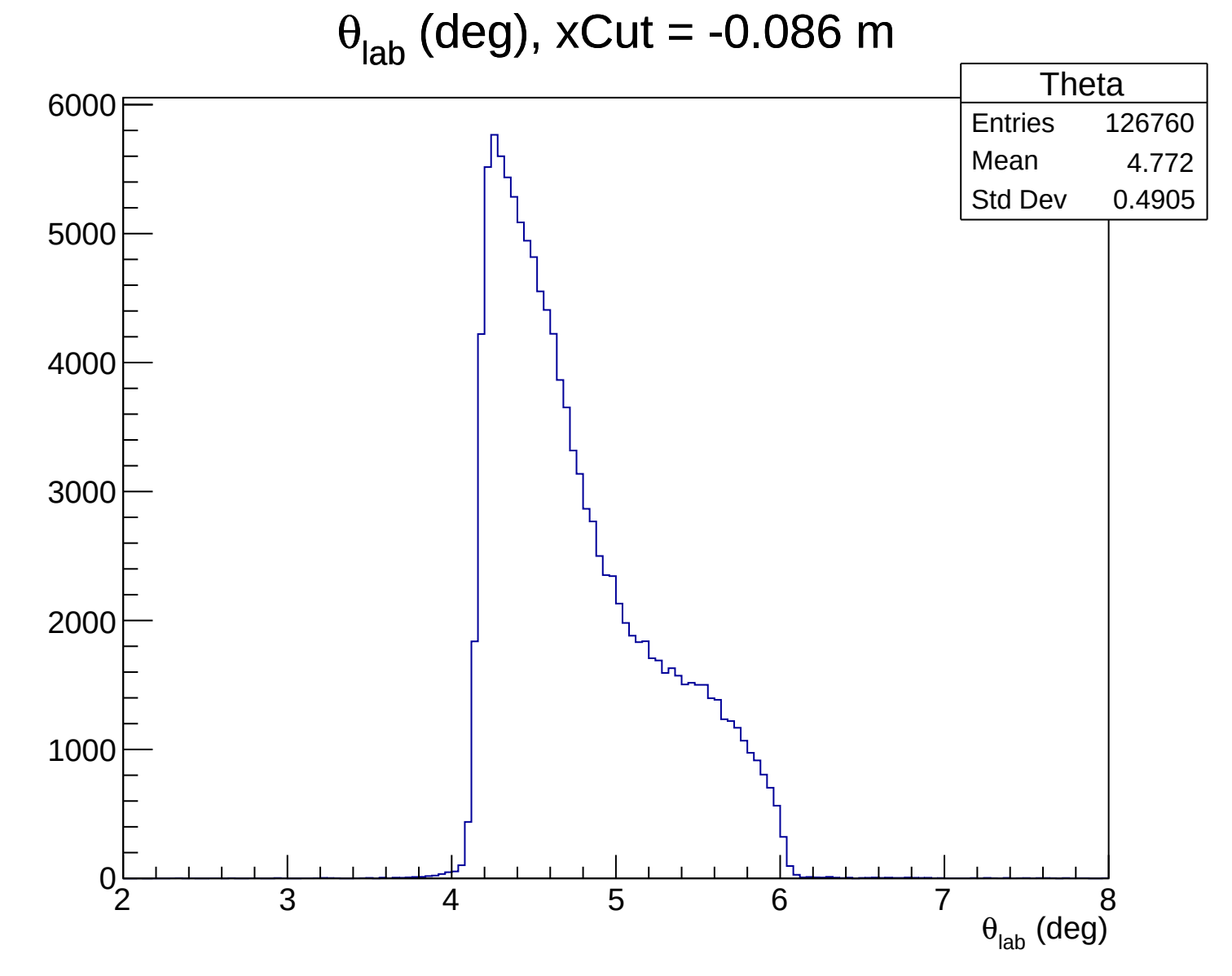

Sensitivity, xCut = -0.084 m
sens
Entries 123873
Mean 0.02211
Std Dev 0.004203
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

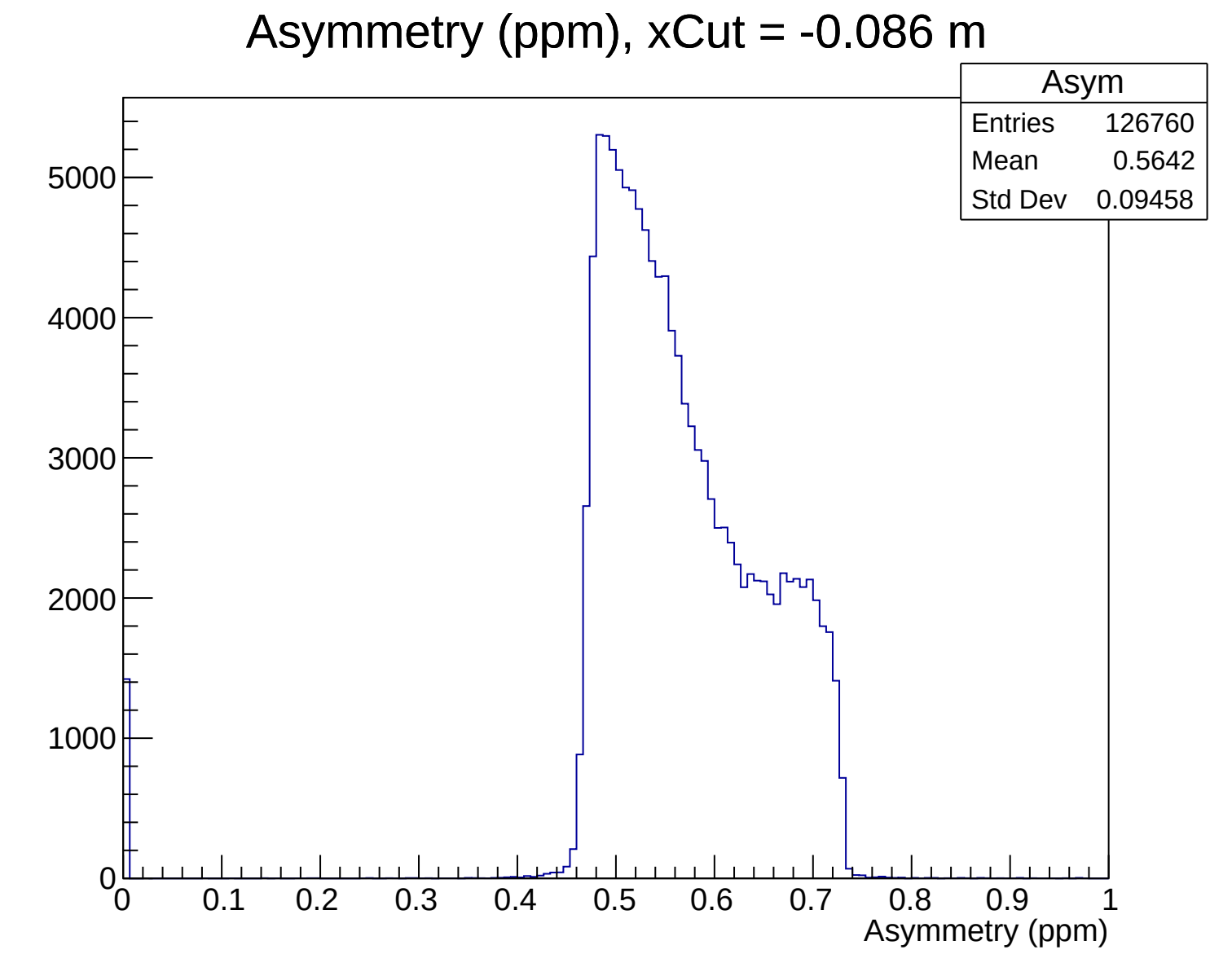

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

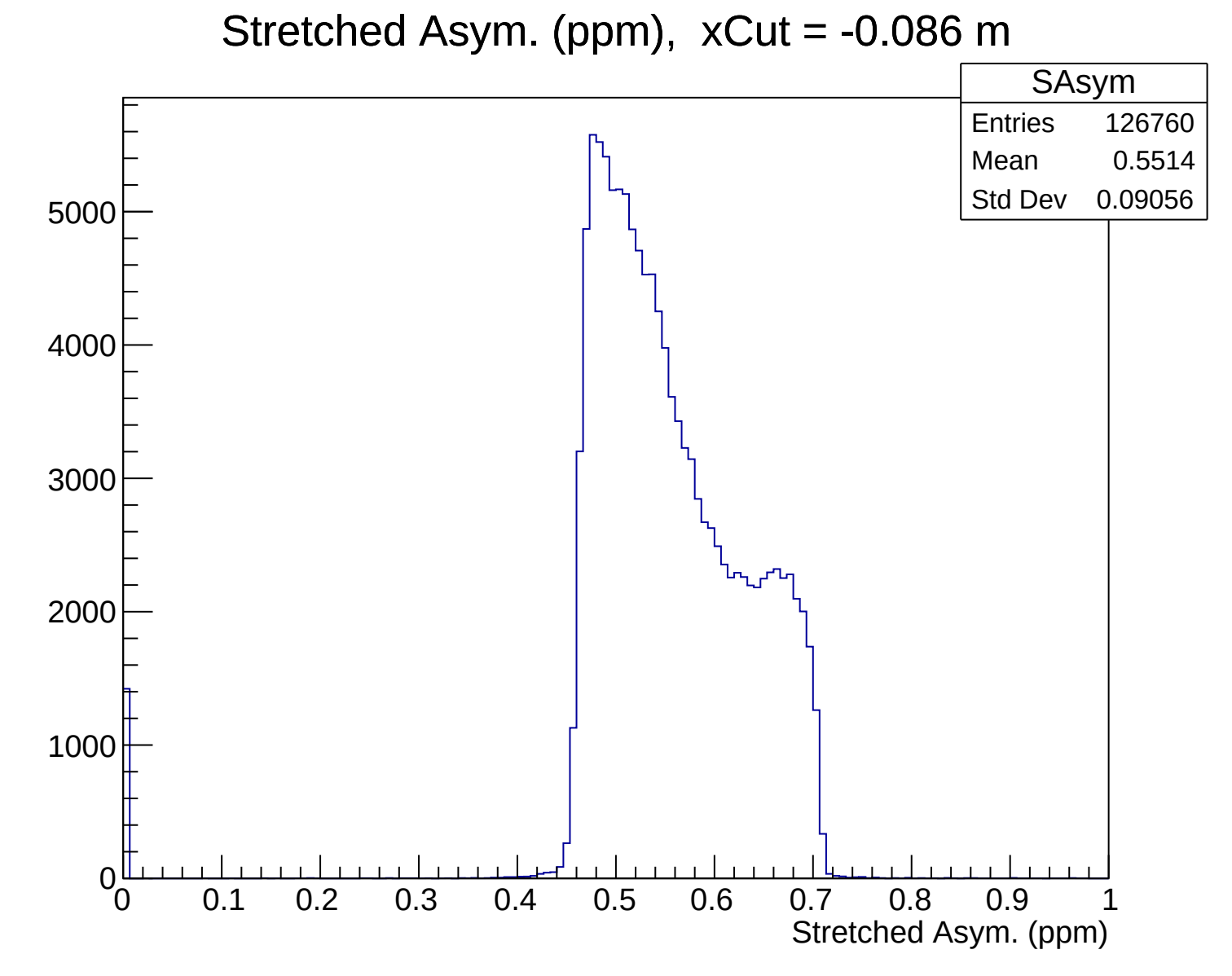

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

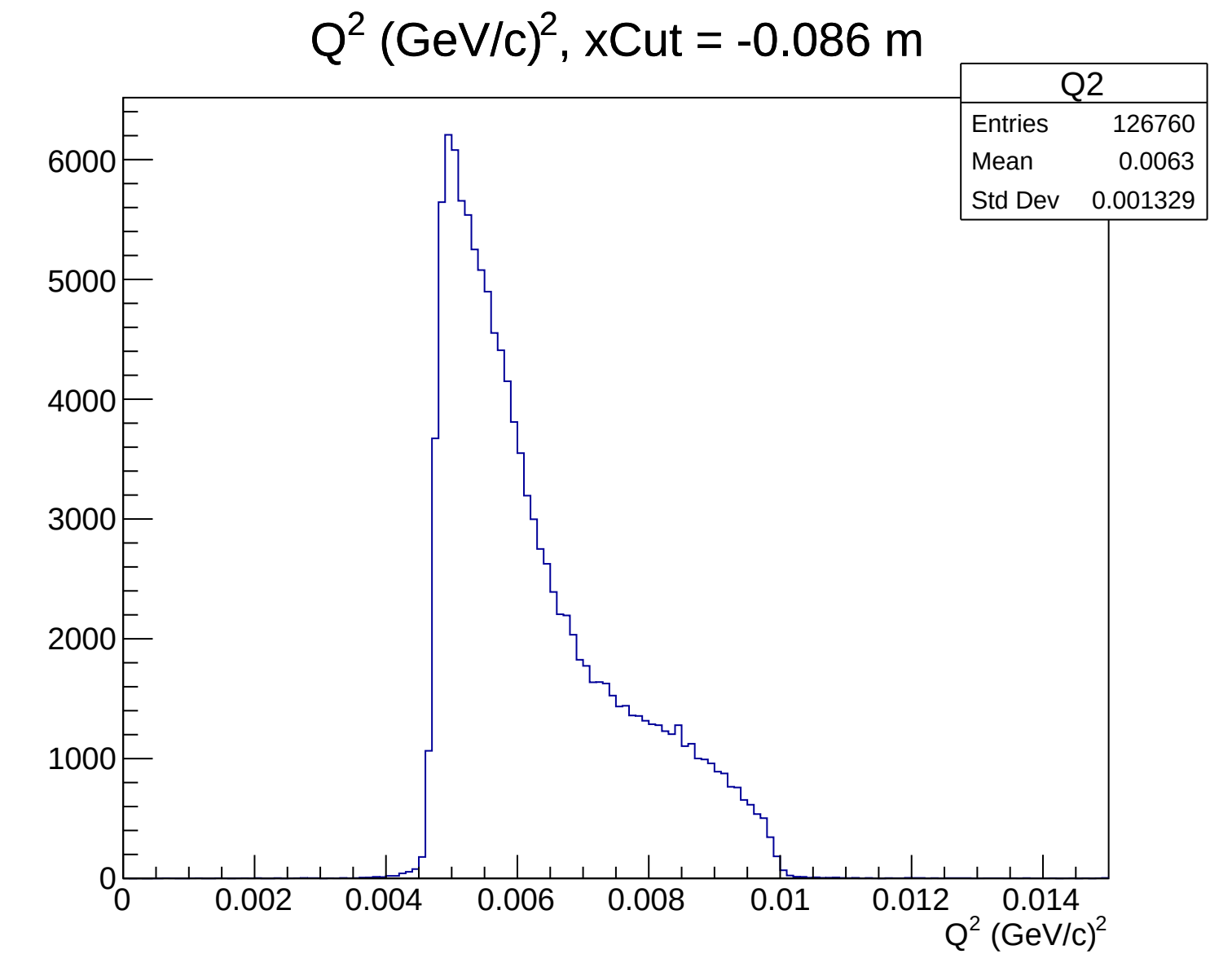

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.086
R.tr.x[0]+1.3*R.tr.th[0] (m)

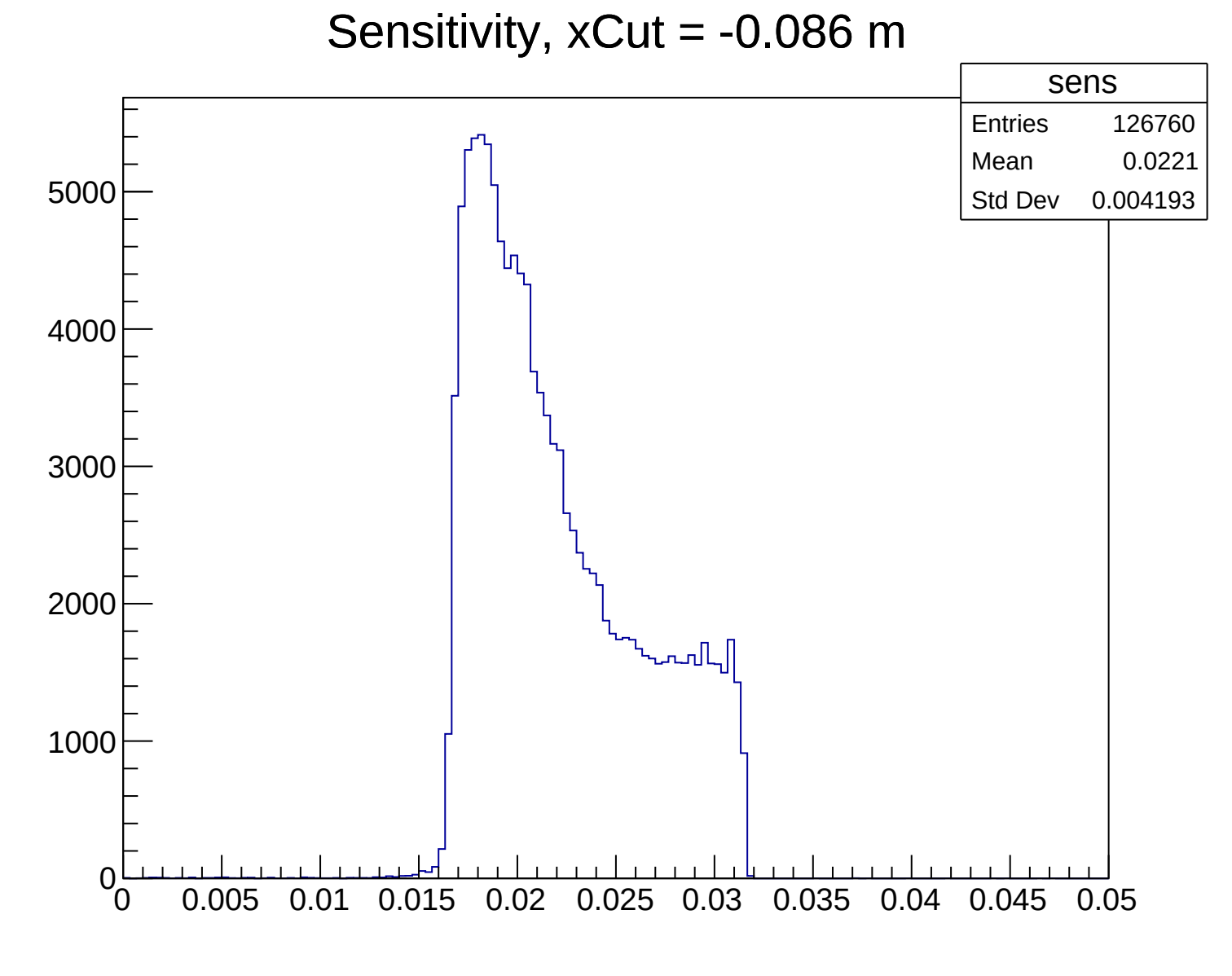

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

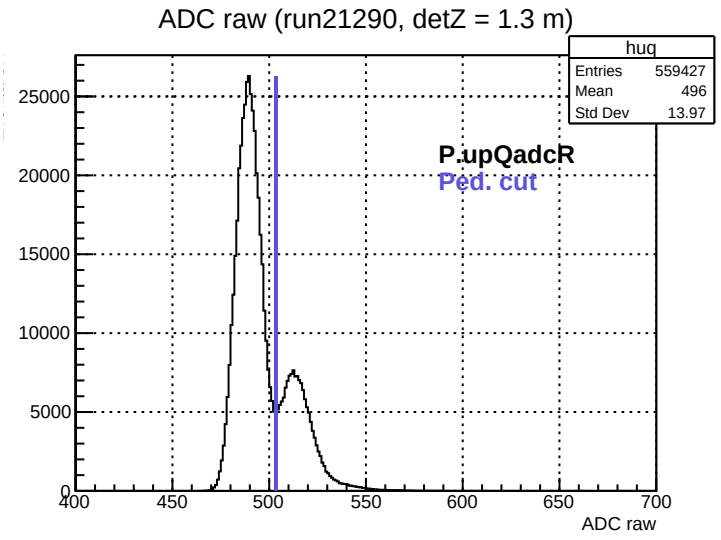

θlab (deg), xCut = -0.086 m
Theta
Entries 126760
Mean 4.772
Std Dev 0.4905
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

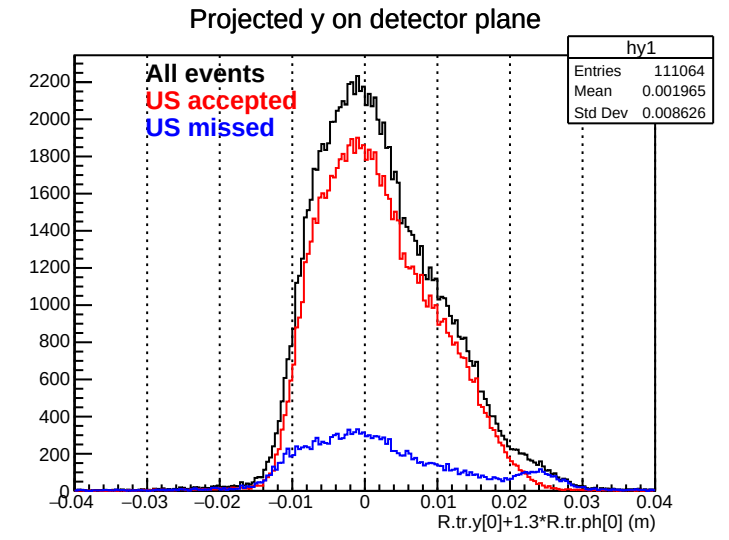

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 126760
Mean 0.5642
Std Dev 0.09458
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

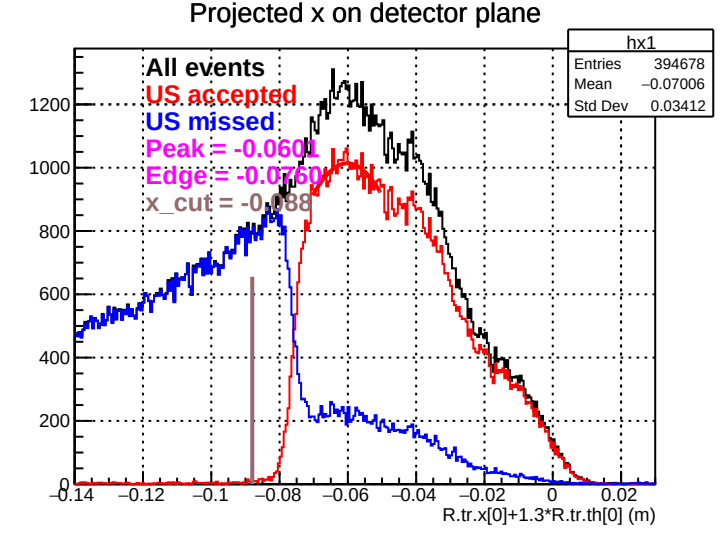

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 126760
Mean 0.5514
Std Dev 0.09056
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

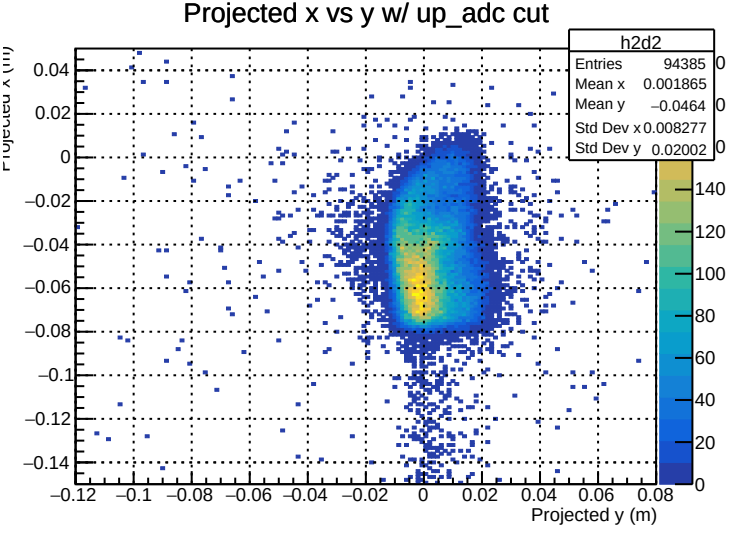

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 126760
Mean 0.0063
Std Dev 0.001329
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

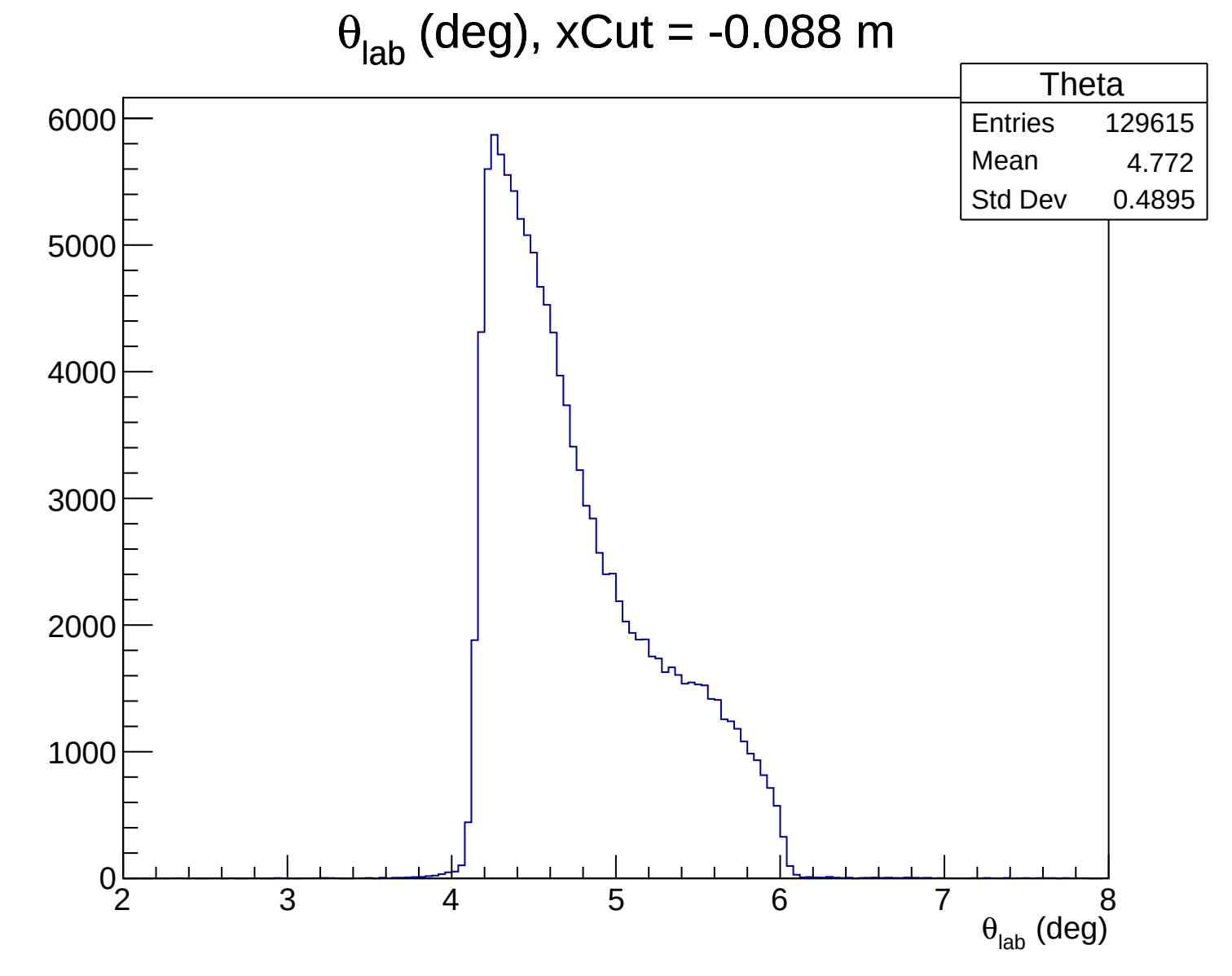

Sensitivity, xCut = -0.086 m
sens
Entries 126760
Mean 0.0221
Std Dev 0.004193
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

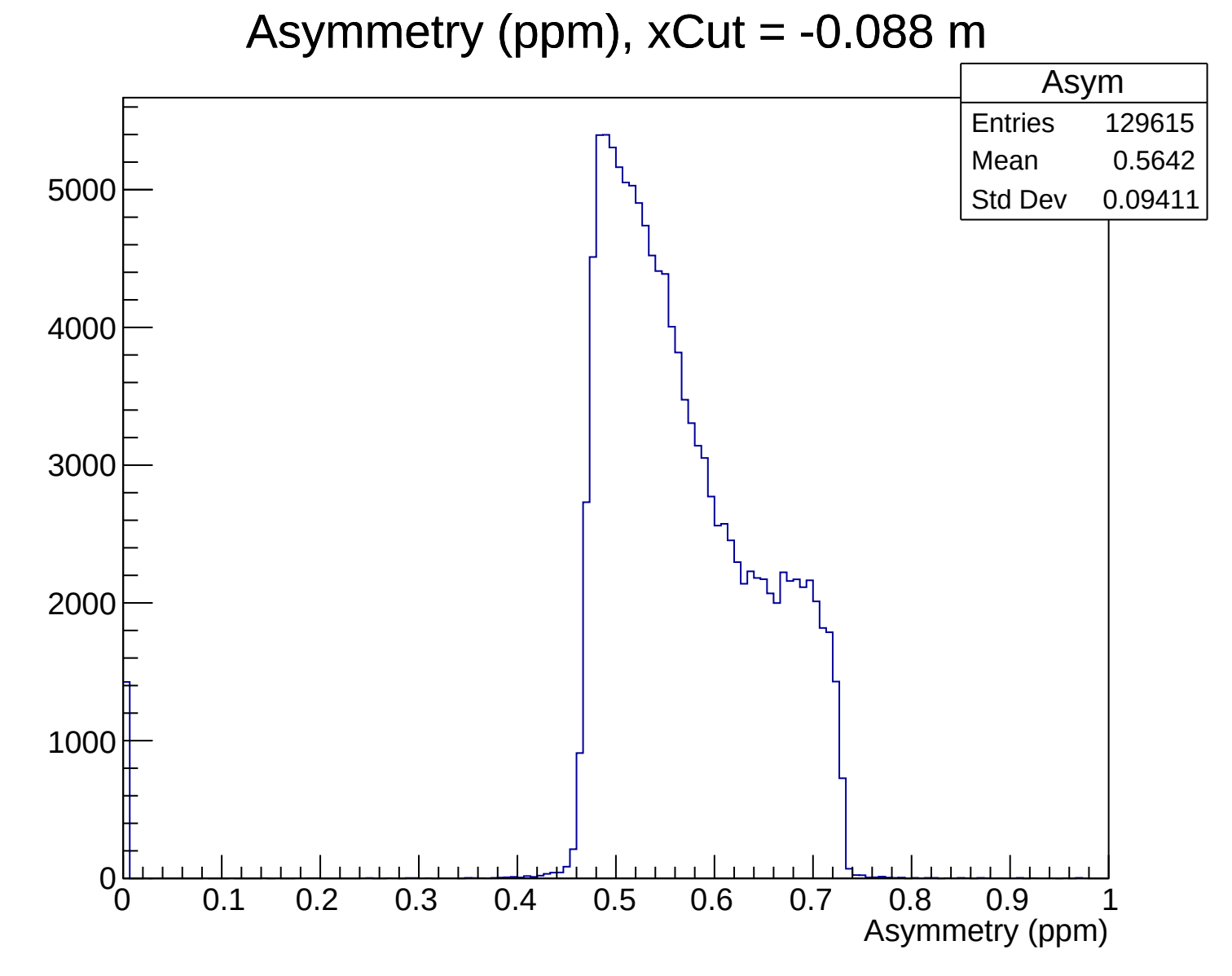

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

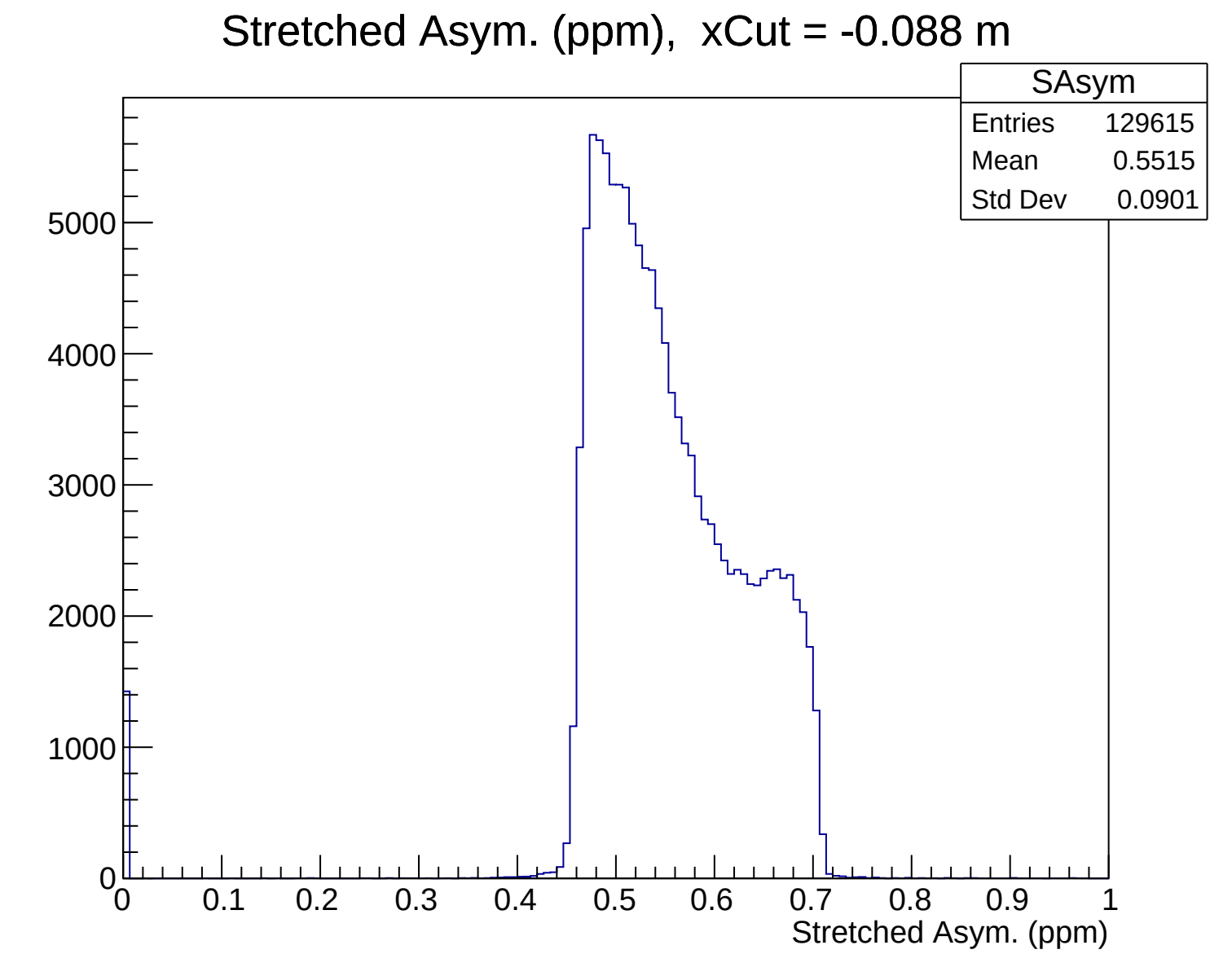

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

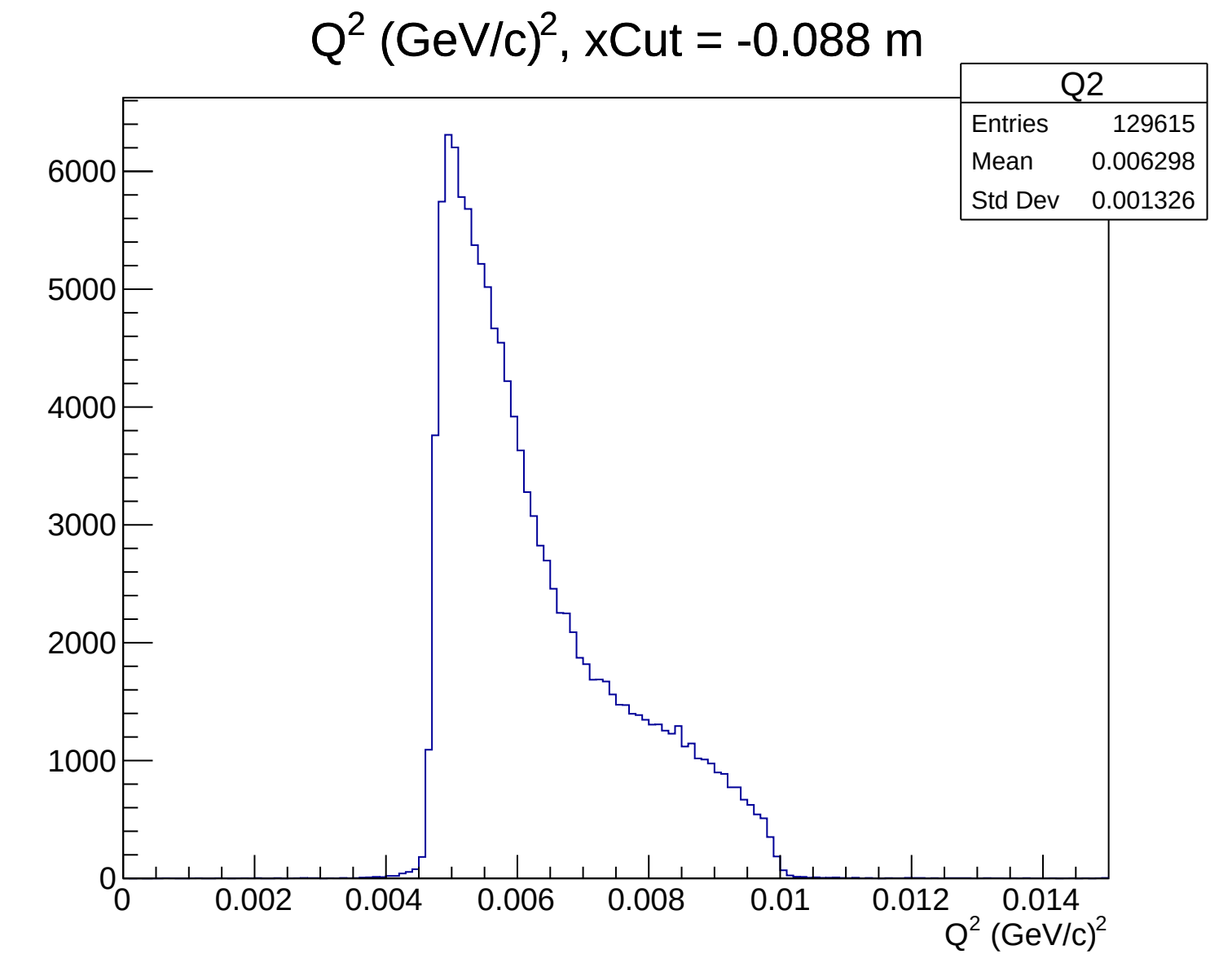

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.088
R.tr.x[0]+1.3*R.tr.th[0] (m)

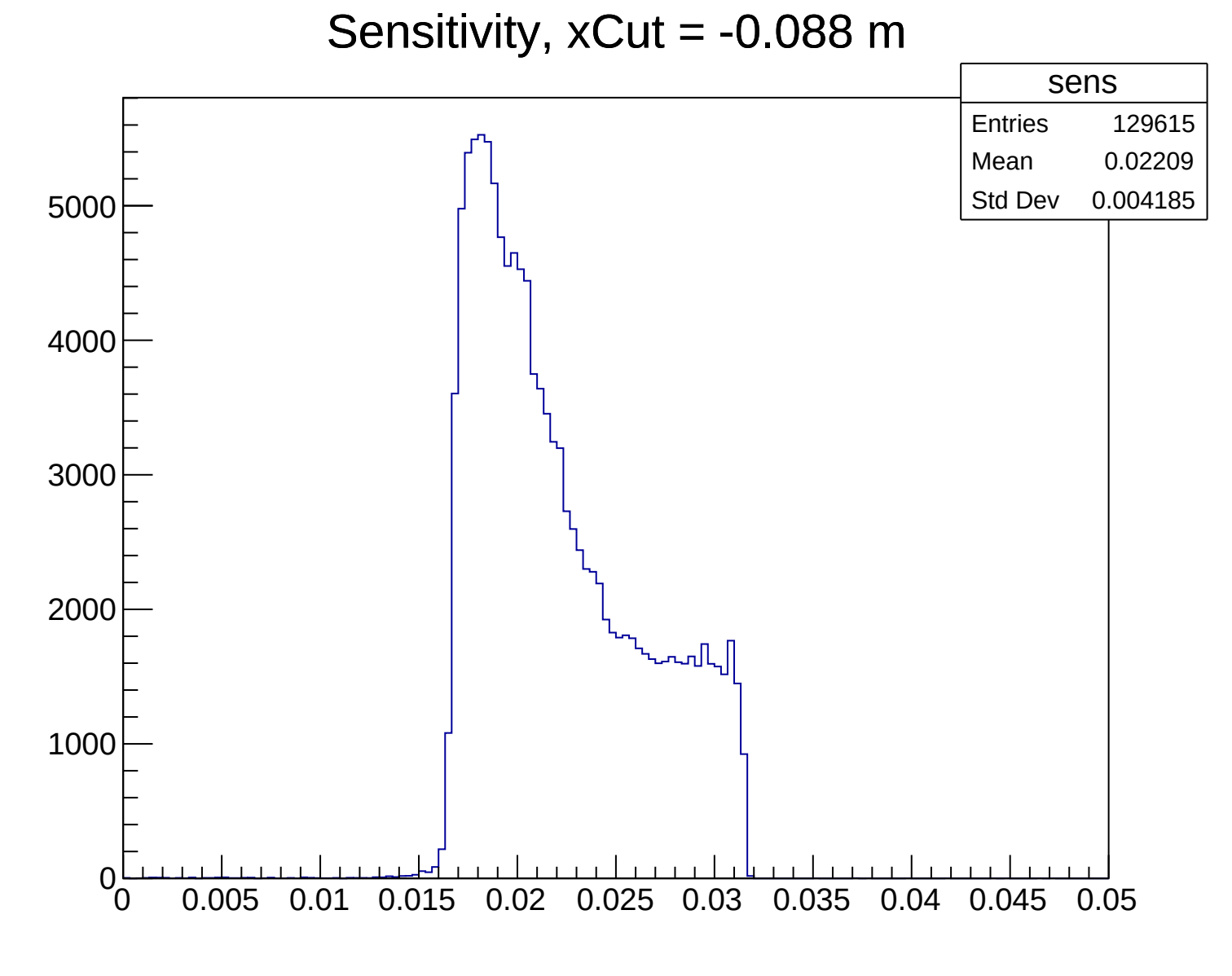

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

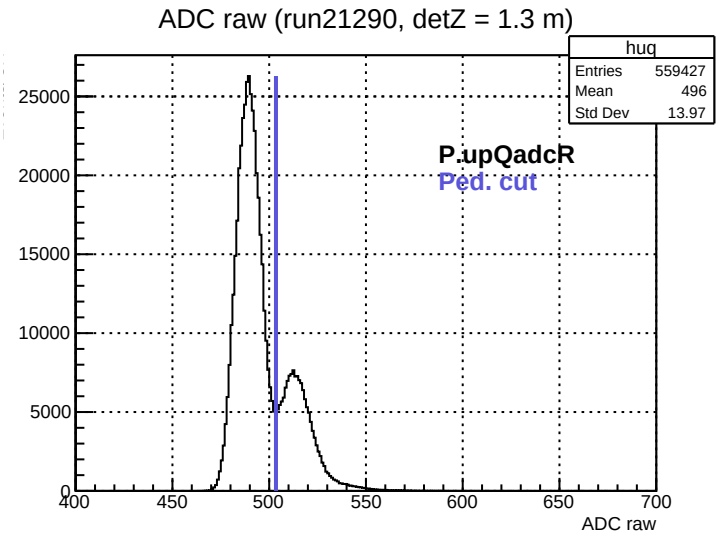

θlab (deg), xCut = -0.088 m
Theta
Entries 129615
Mean 4.772
Std Dev 0.4895
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

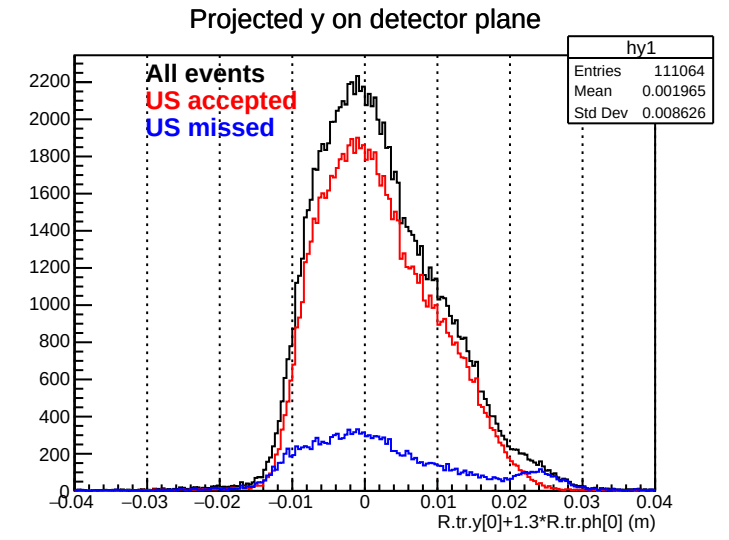

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 129615
Mean 0.5642
Std Dev 0.09411
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

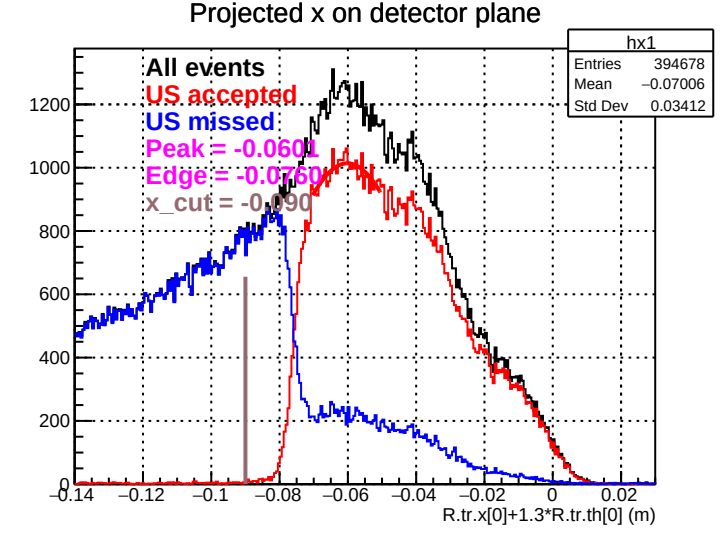

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 129615
Mean 0.5515
Std Dev 0.0901
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

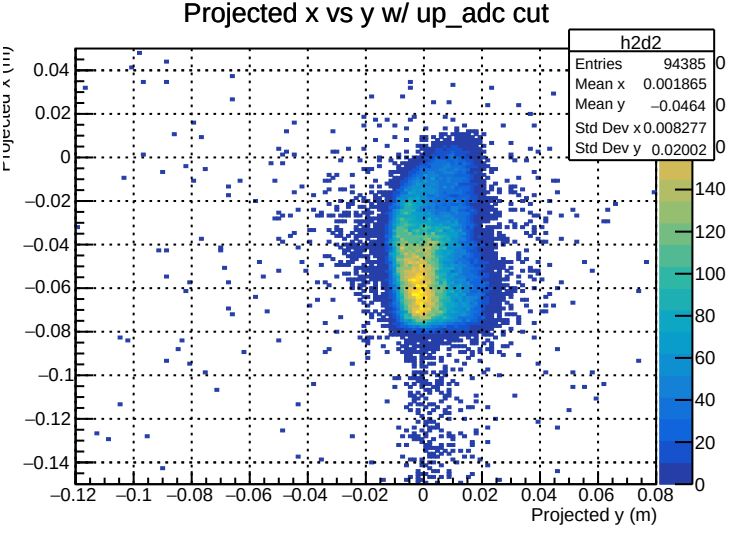

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 129615
Mean 0.006298
Std Dev 0.001326
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

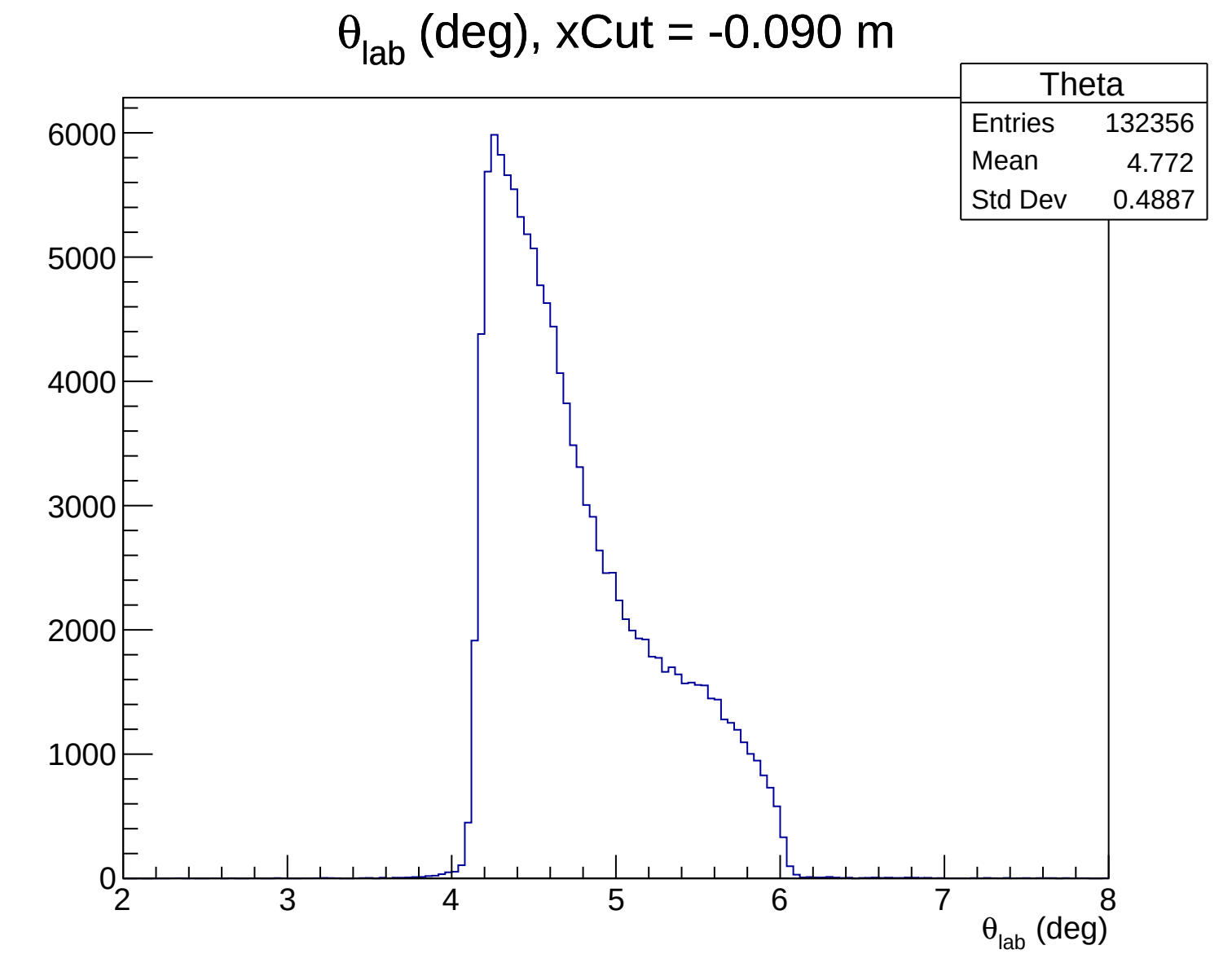

Sensitivity, xCut = -0.088 m
sens
Entries 129615
Mean 0.02209
Std Dev 0.004185
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

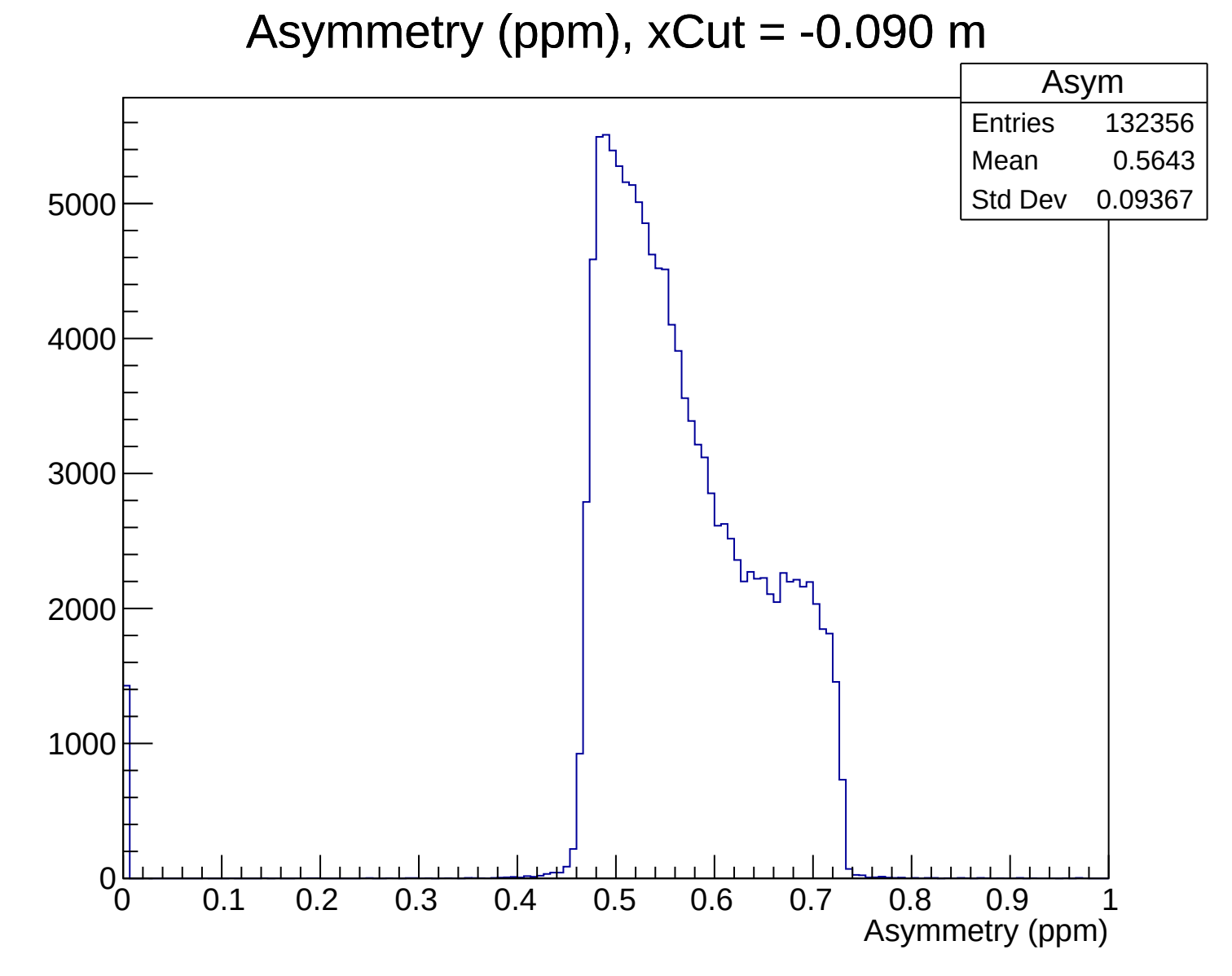

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

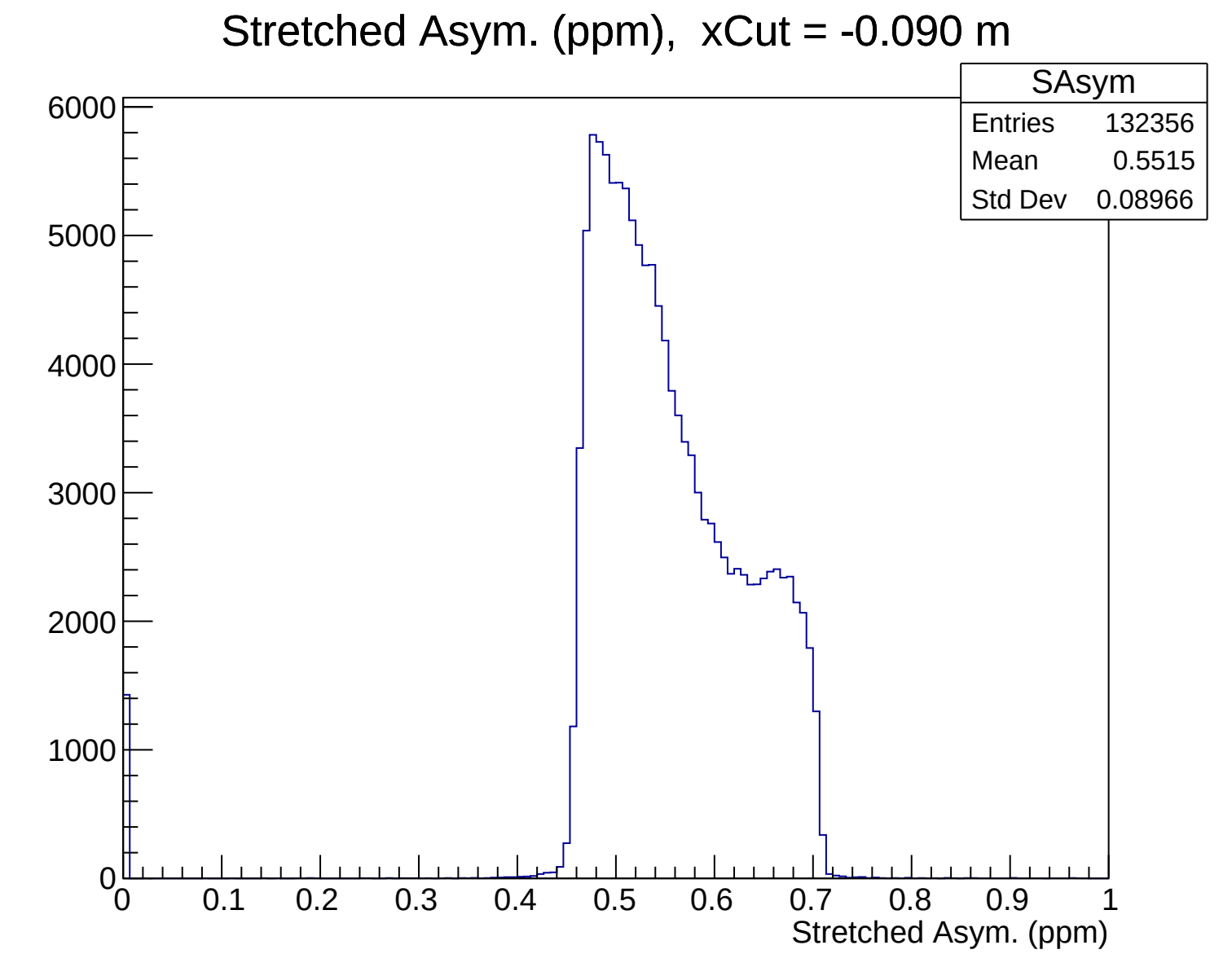

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

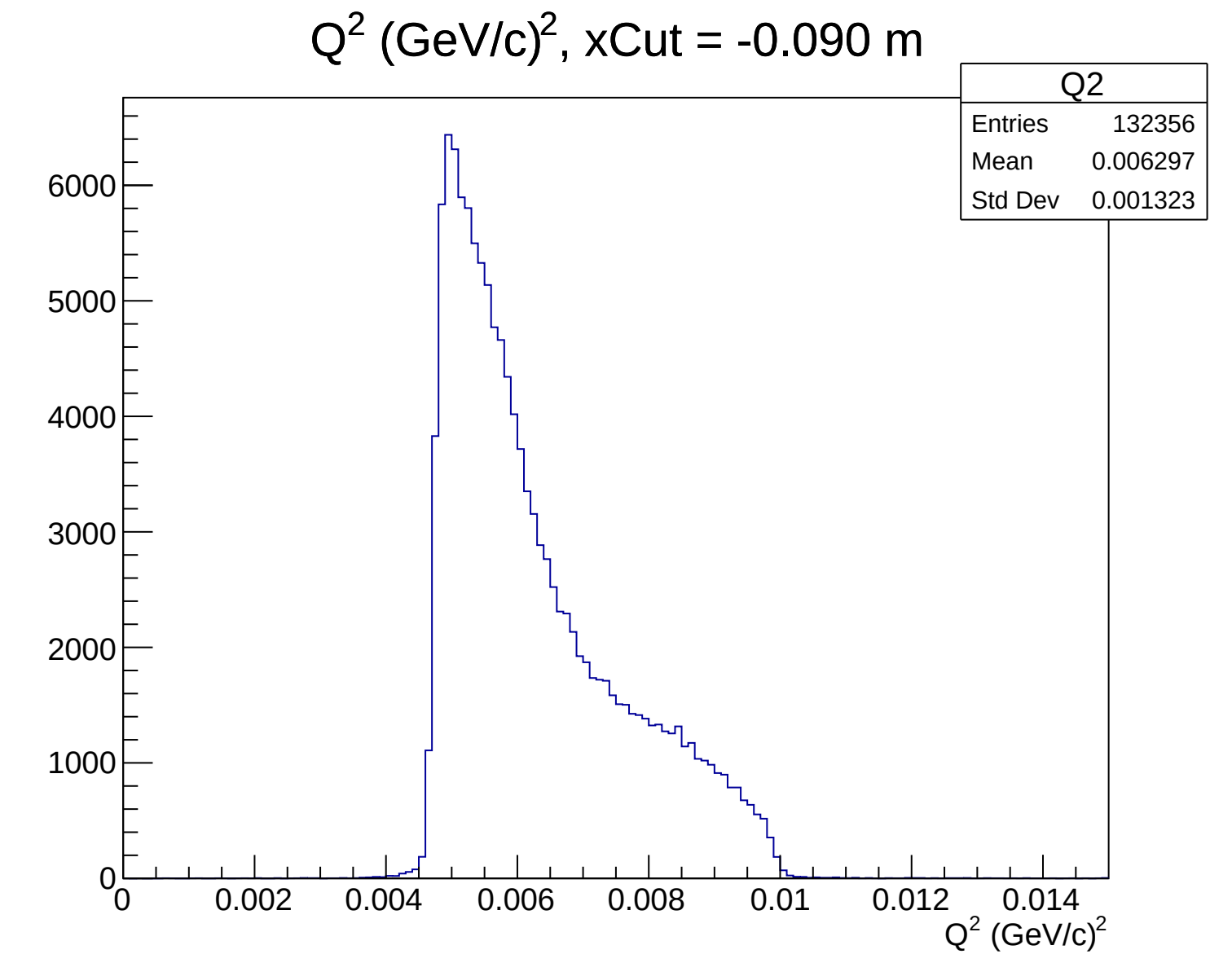

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.090
R.tr.x[0]+1.3*R.tr.th[0] (m)

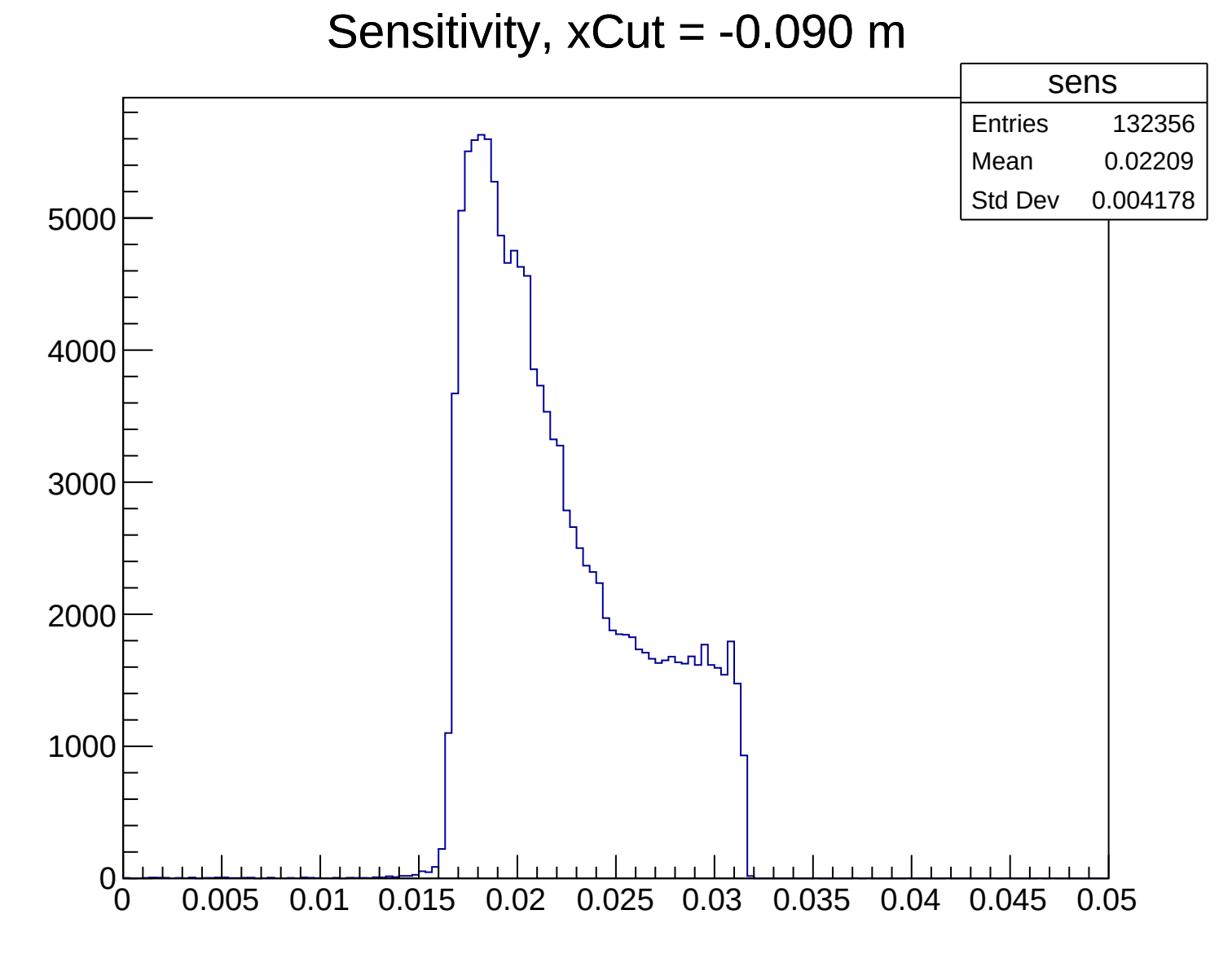

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

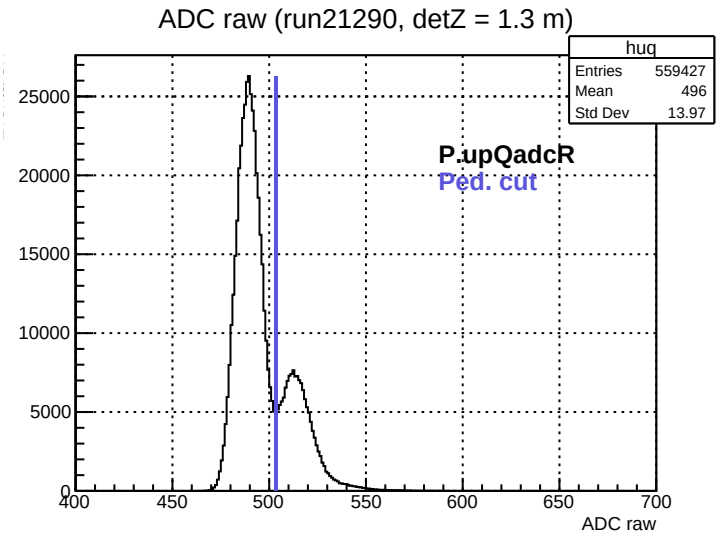

θlab (deg), xCut = -0.090 m
Theta
Entries 132356
Mean 4.772
Std Dev 0.4887
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

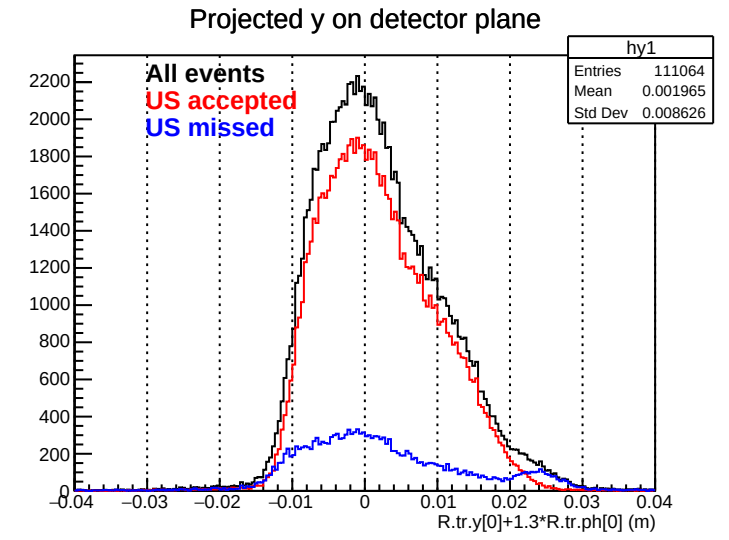

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 132356
Mean 0.5643
Std Dev 0.09367
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

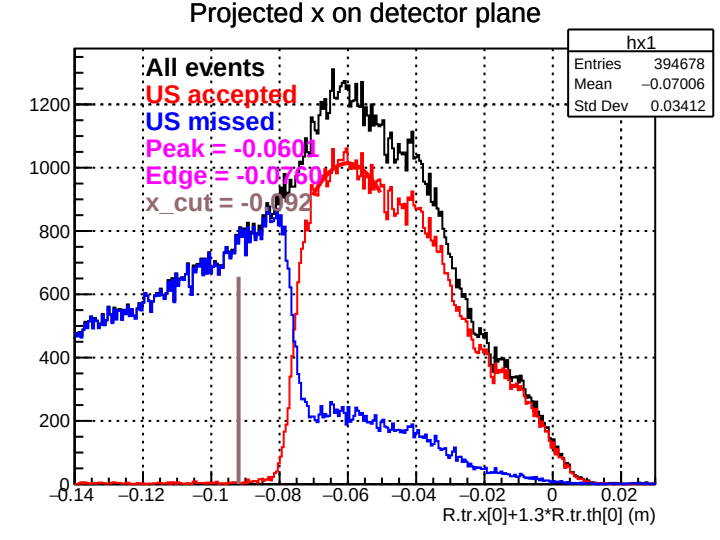

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 132356
Mean 0.5515
Std Dev 0.08966
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

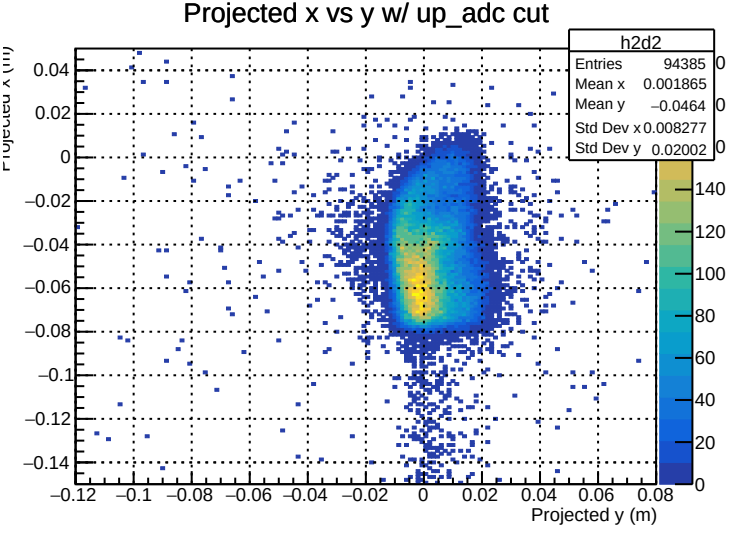

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 132356
Mean 0.006297
Std Dev 0.001323
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

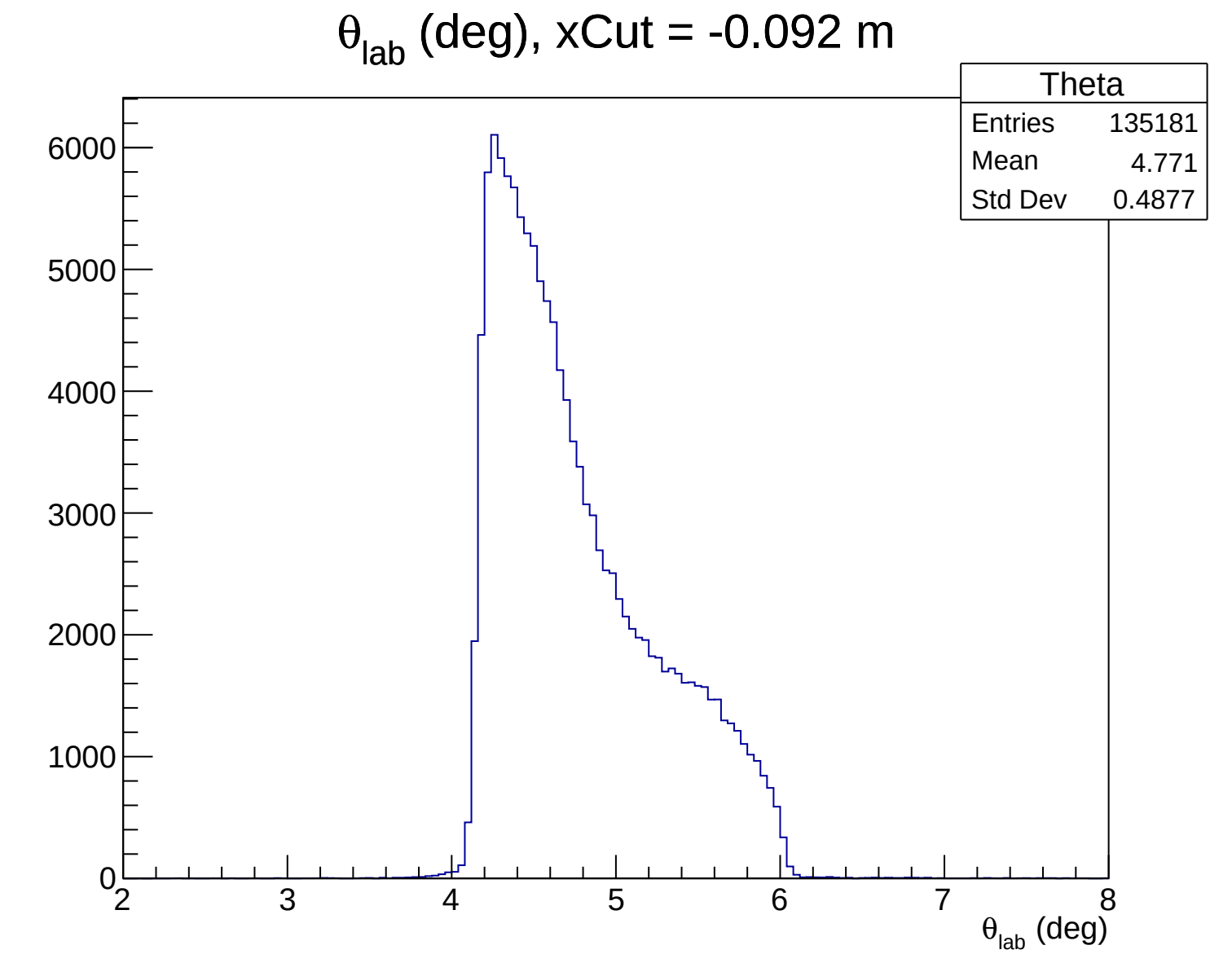

Sensitivity, xCut = -0.090 m
sens
Entries 132356
Mean 0.02209
Std Dev 0.004178
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

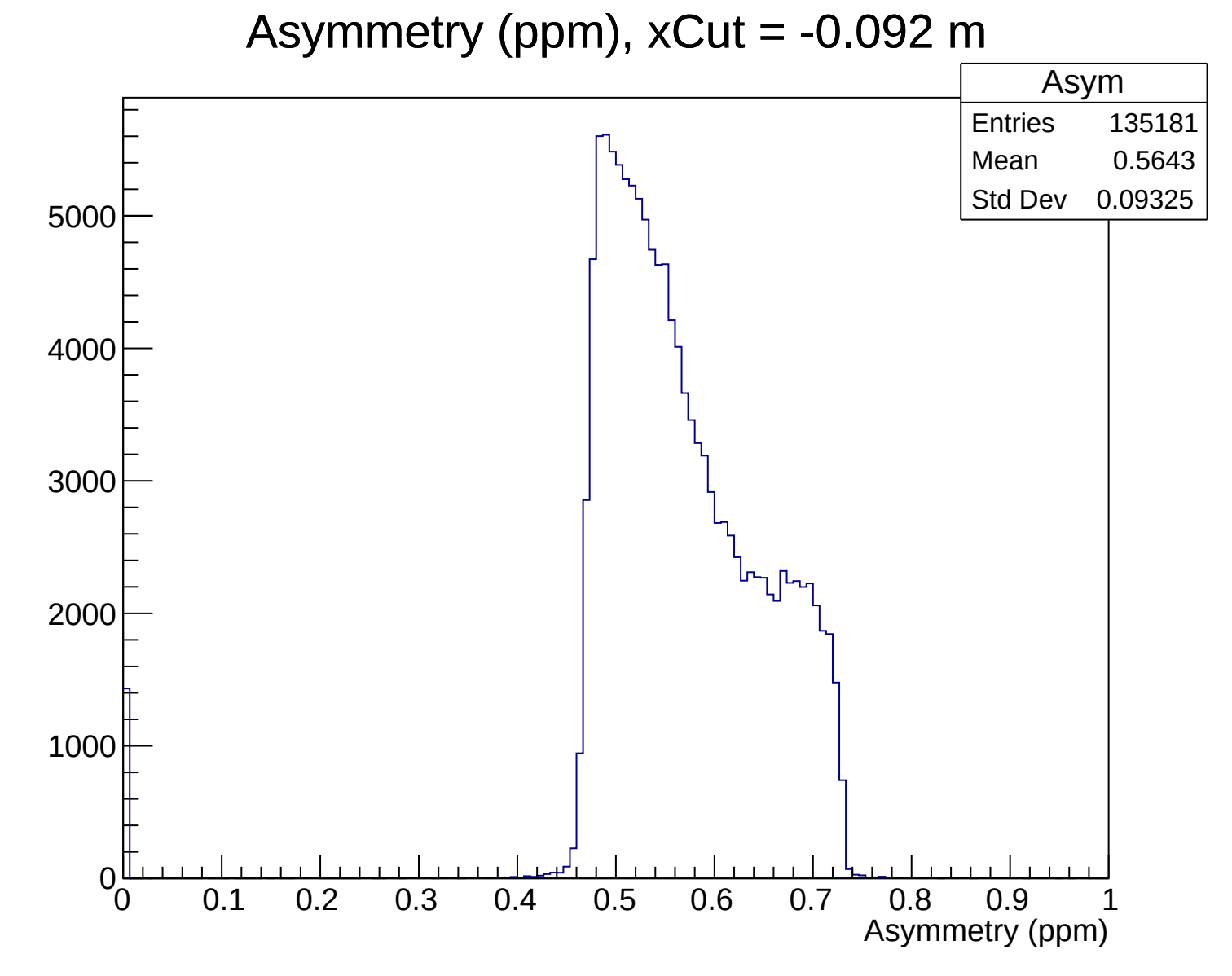

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

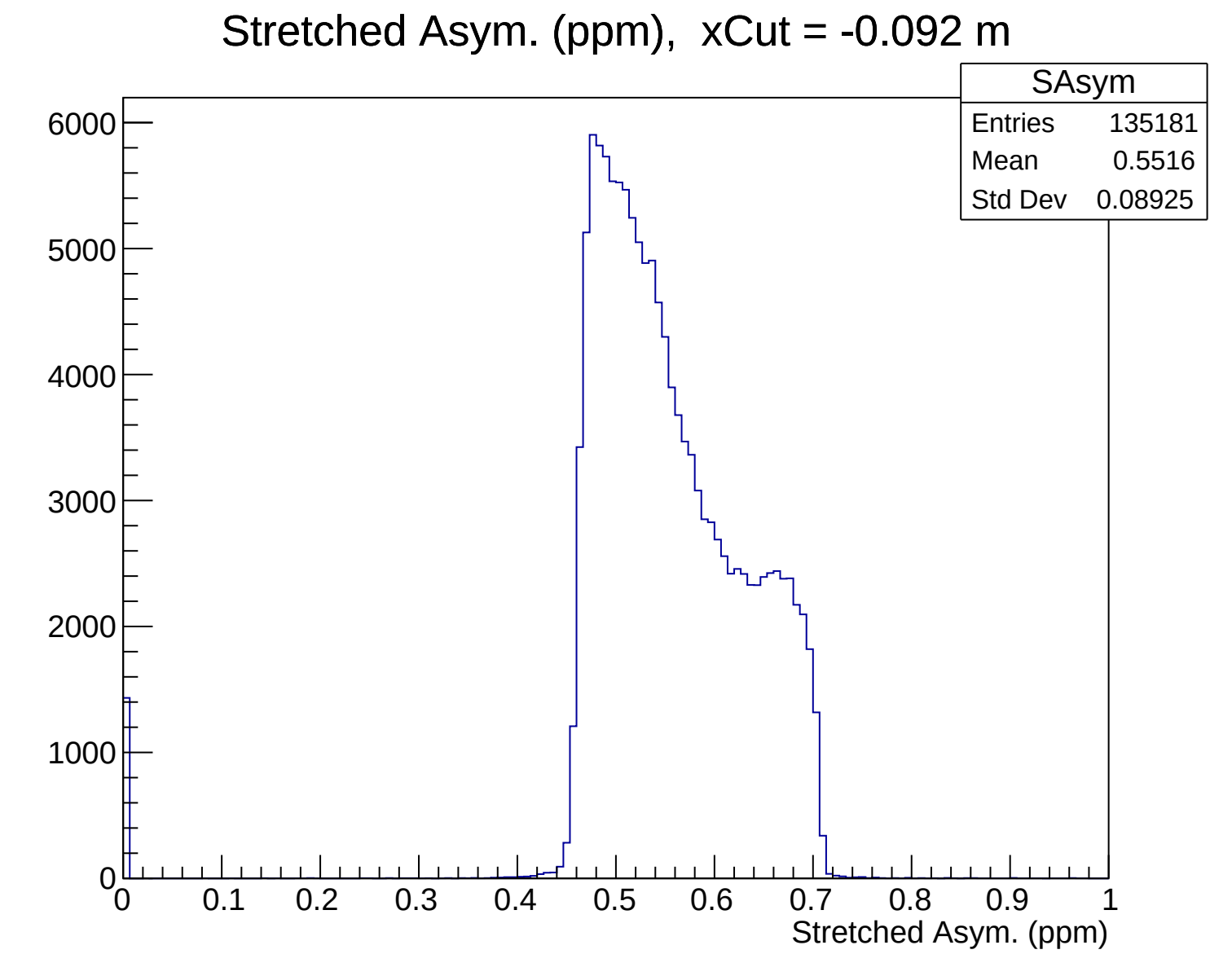

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

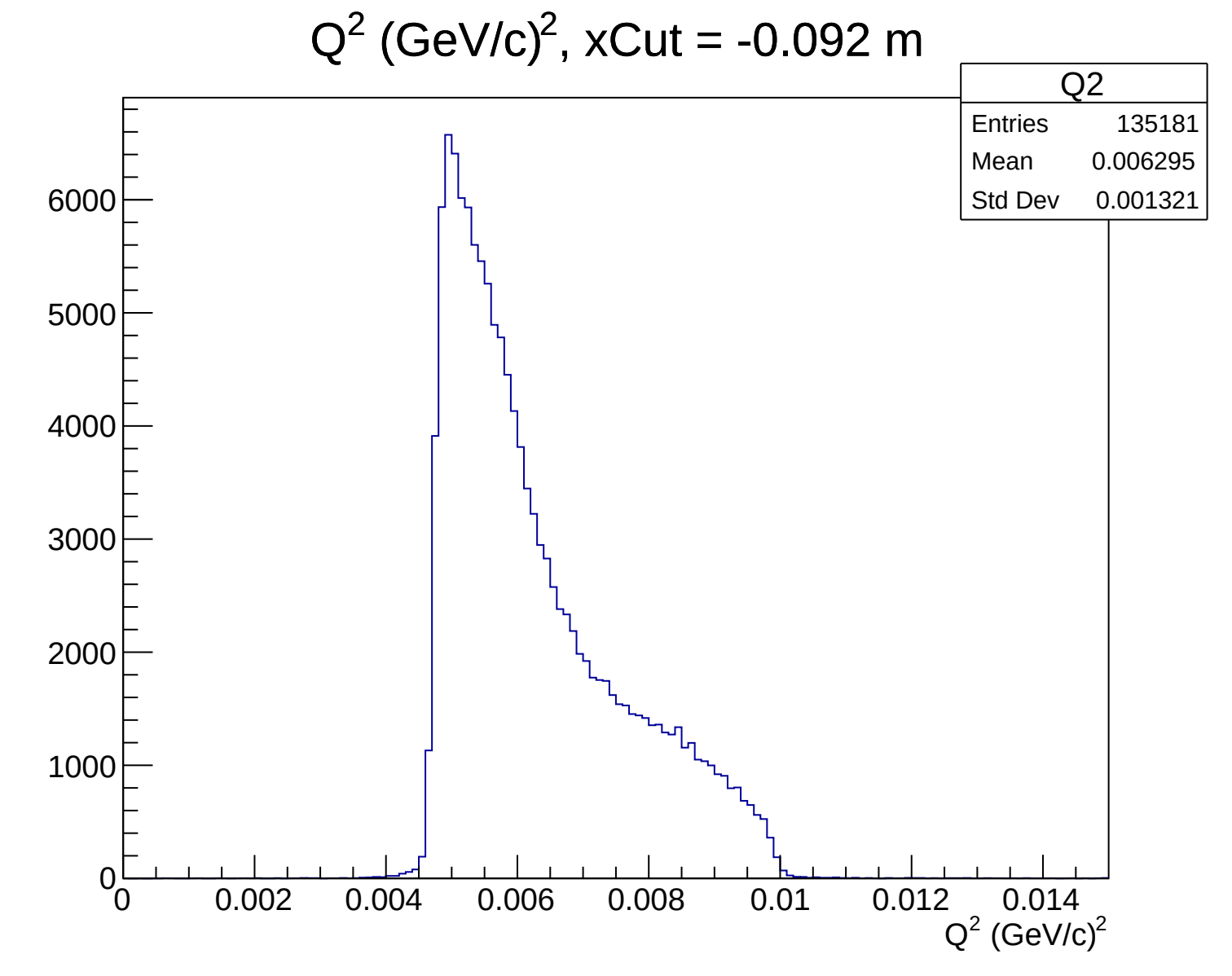

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.092
R.tr.x[0]+1.3*R.tr.th[0] (m)

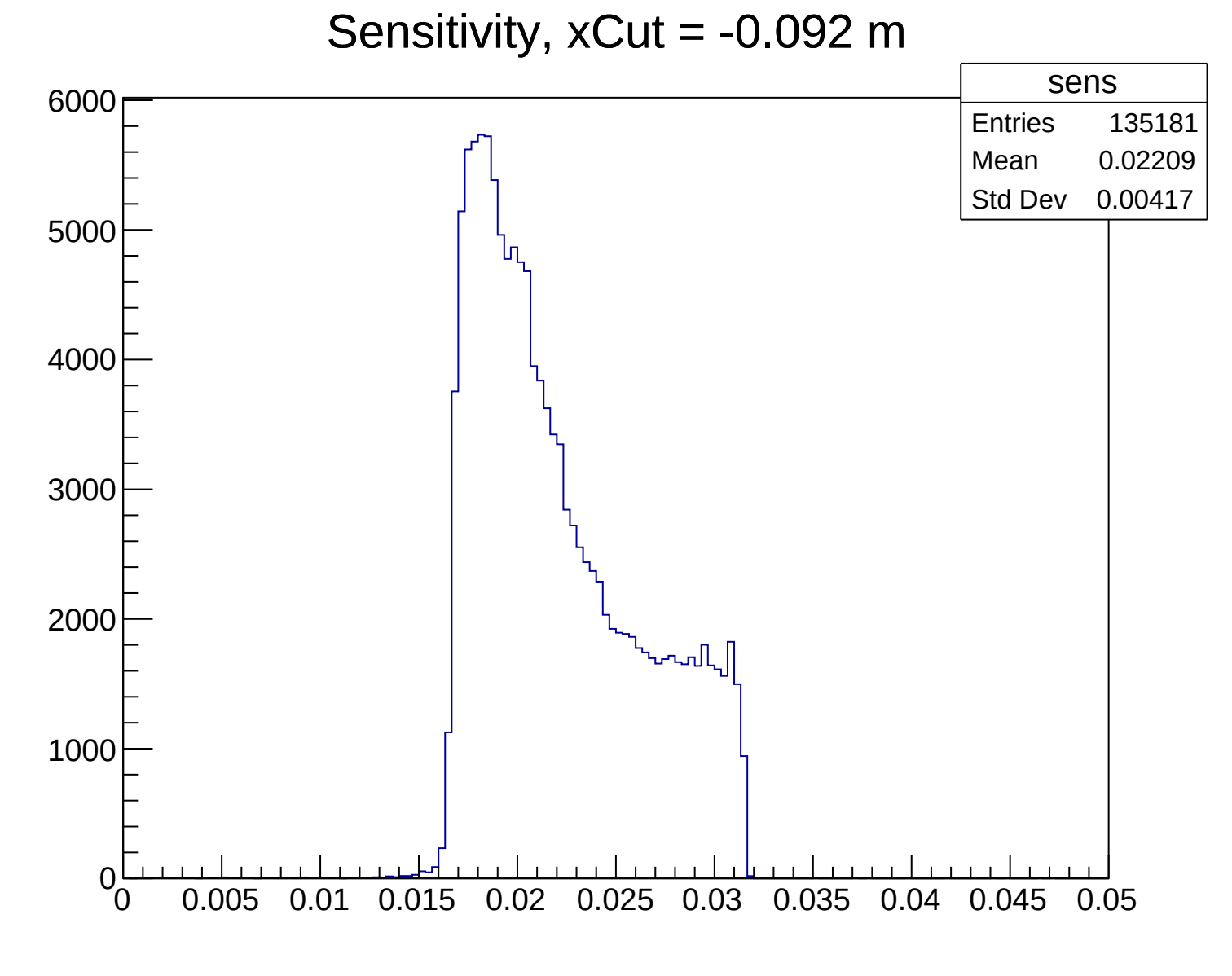

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

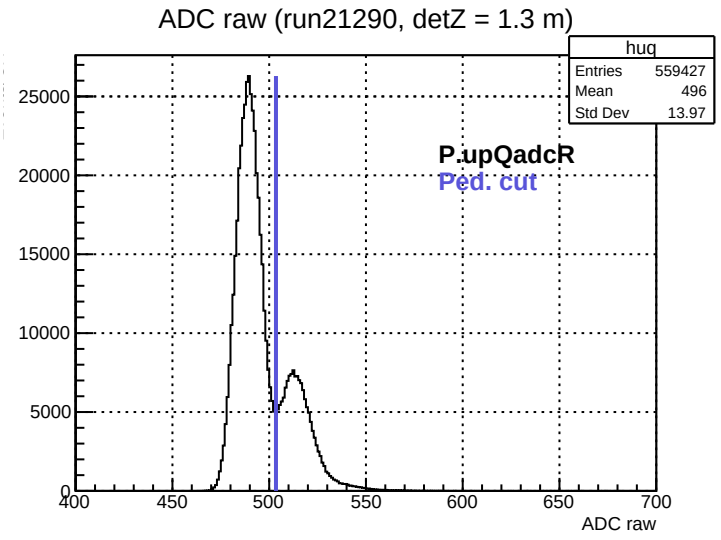

θlab (deg), xCut = -0.092 m
Theta
Entries 135181
Mean 4.771
Std Dev 0.4877
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

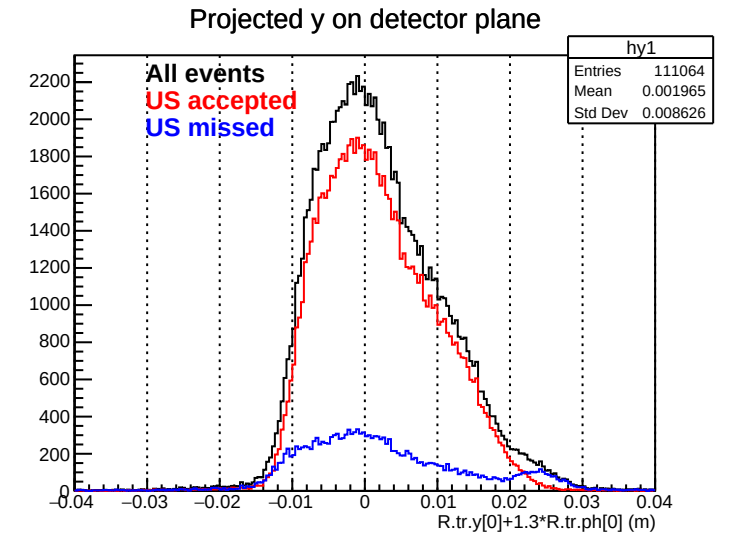

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 135181
Mean 0.5643
Std Dev 0.09325
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

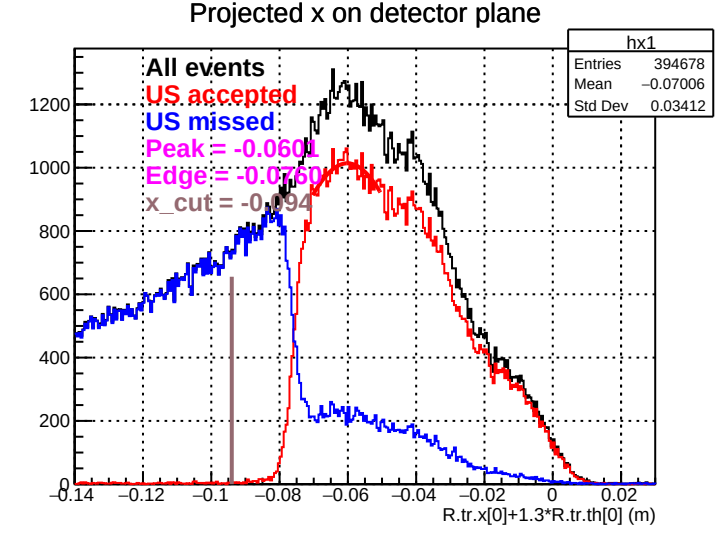

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 135181
Mean 0.5516
Std Dev 0.08925
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

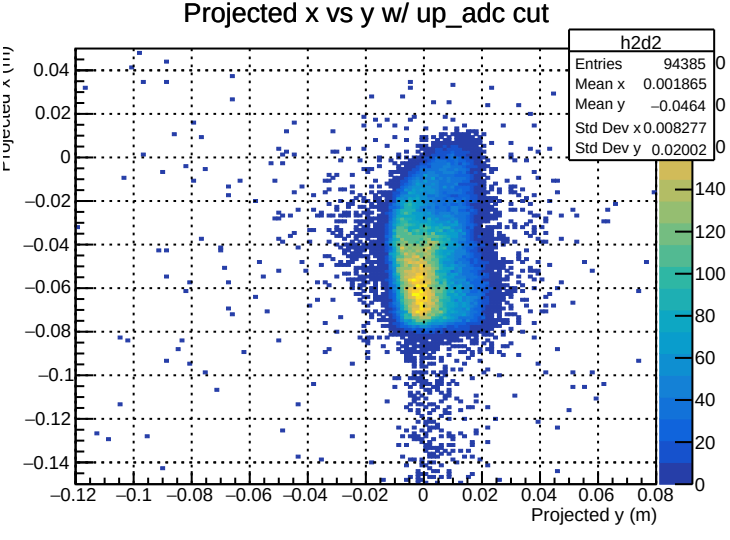

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 135181
Mean 0.006295
Std Dev 0.001321
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

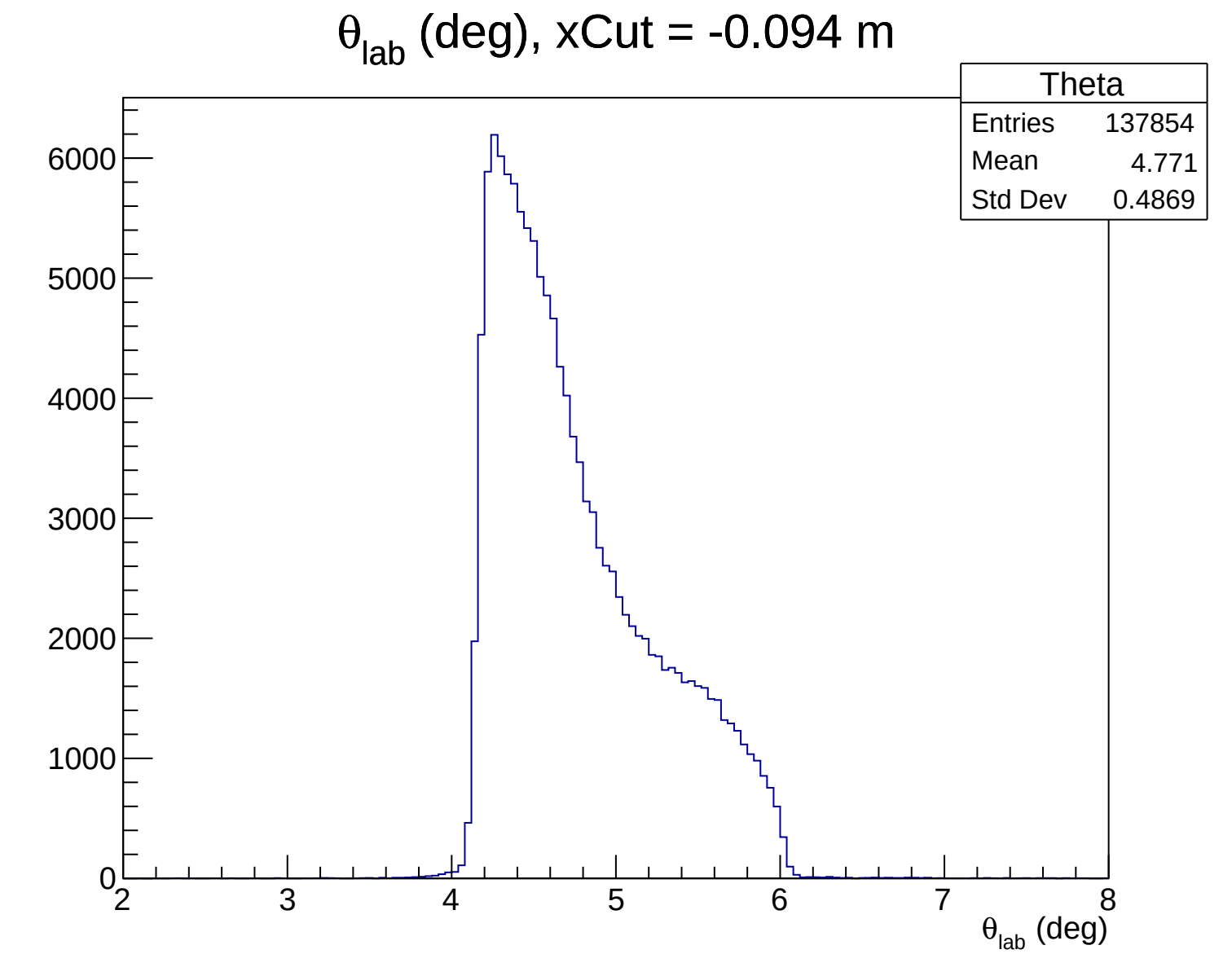

Sensitivity, xCut = -0.092 m
sens
Entries 135181
Mean 0.02209
Std Dev 0.00417
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

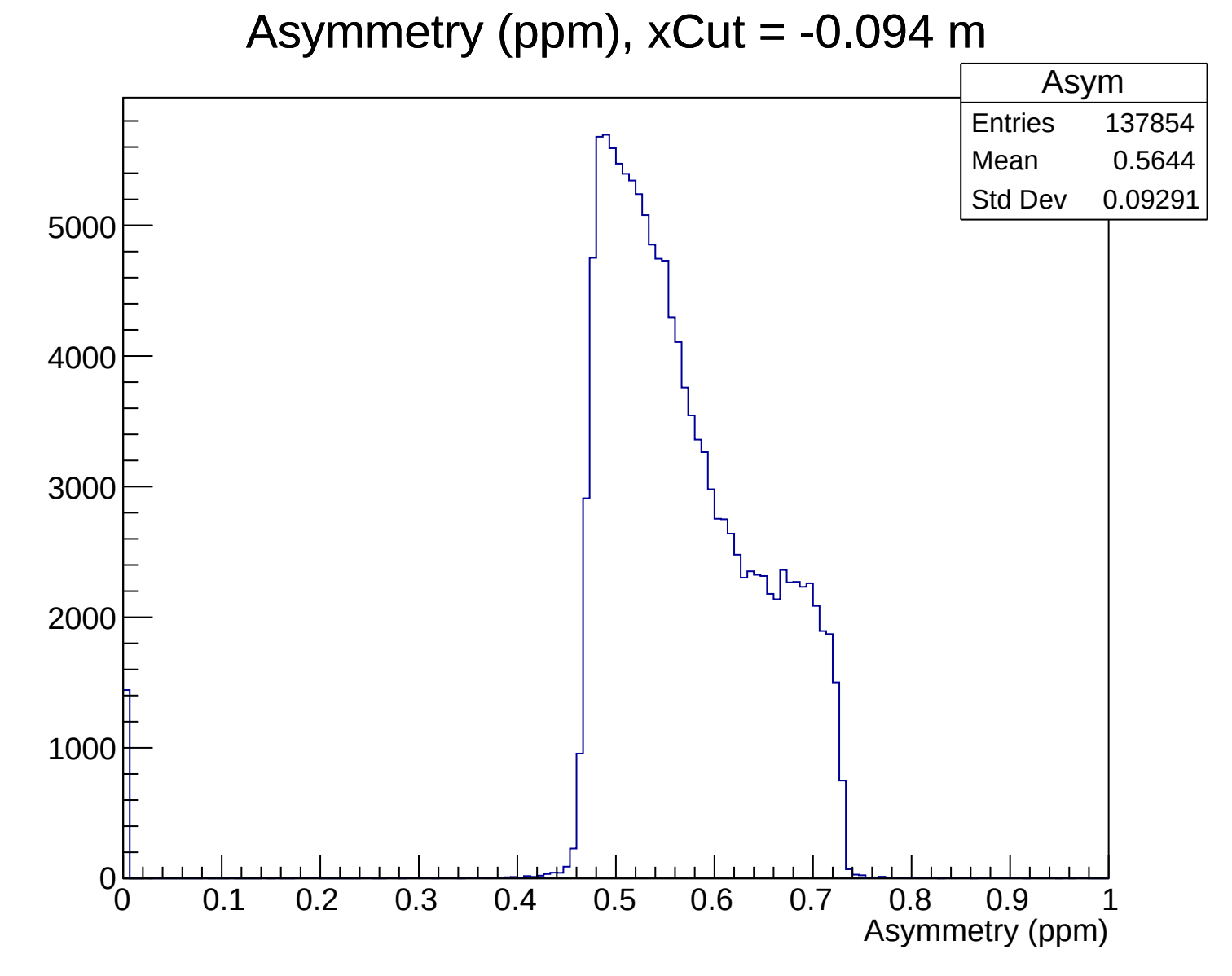

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

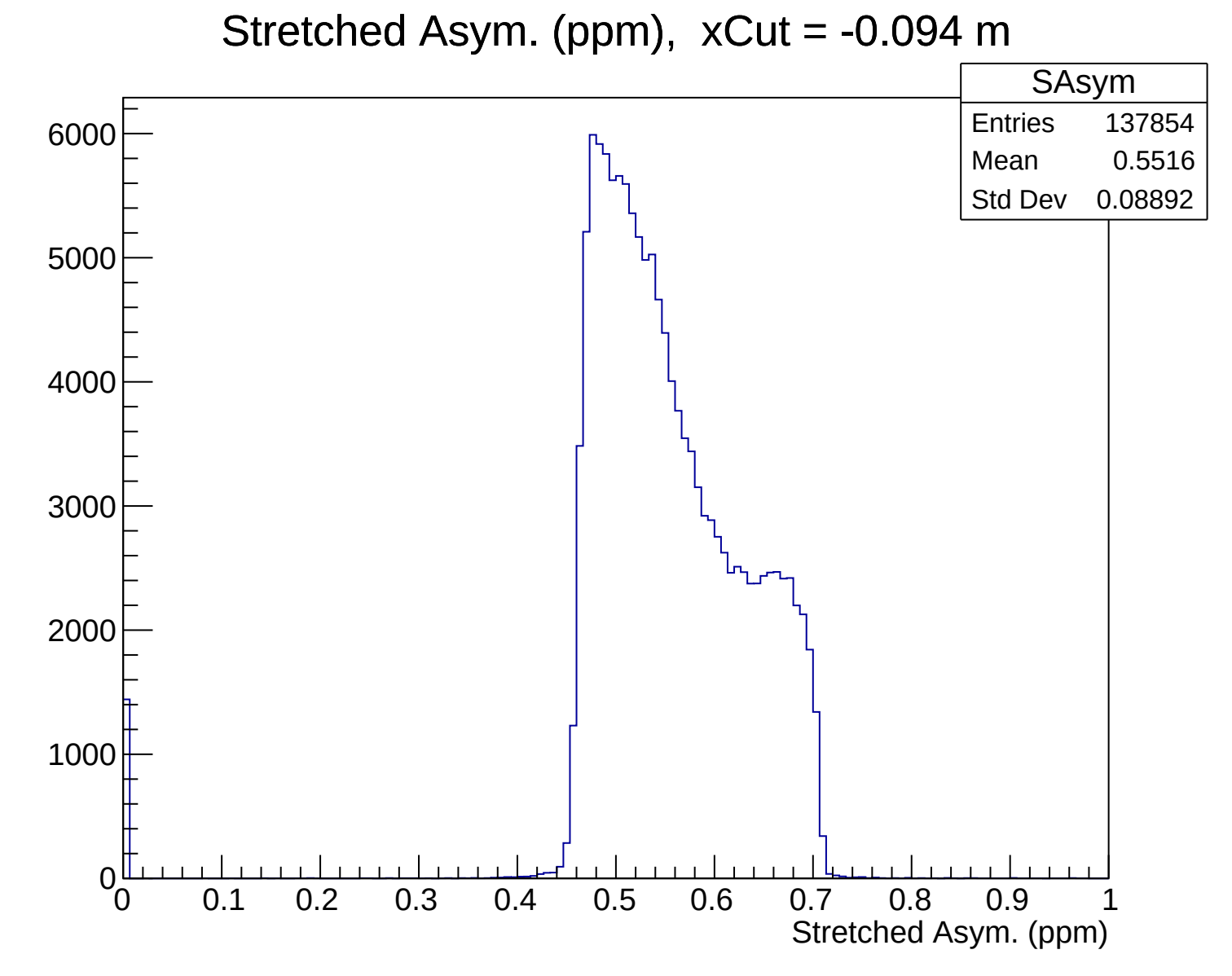

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

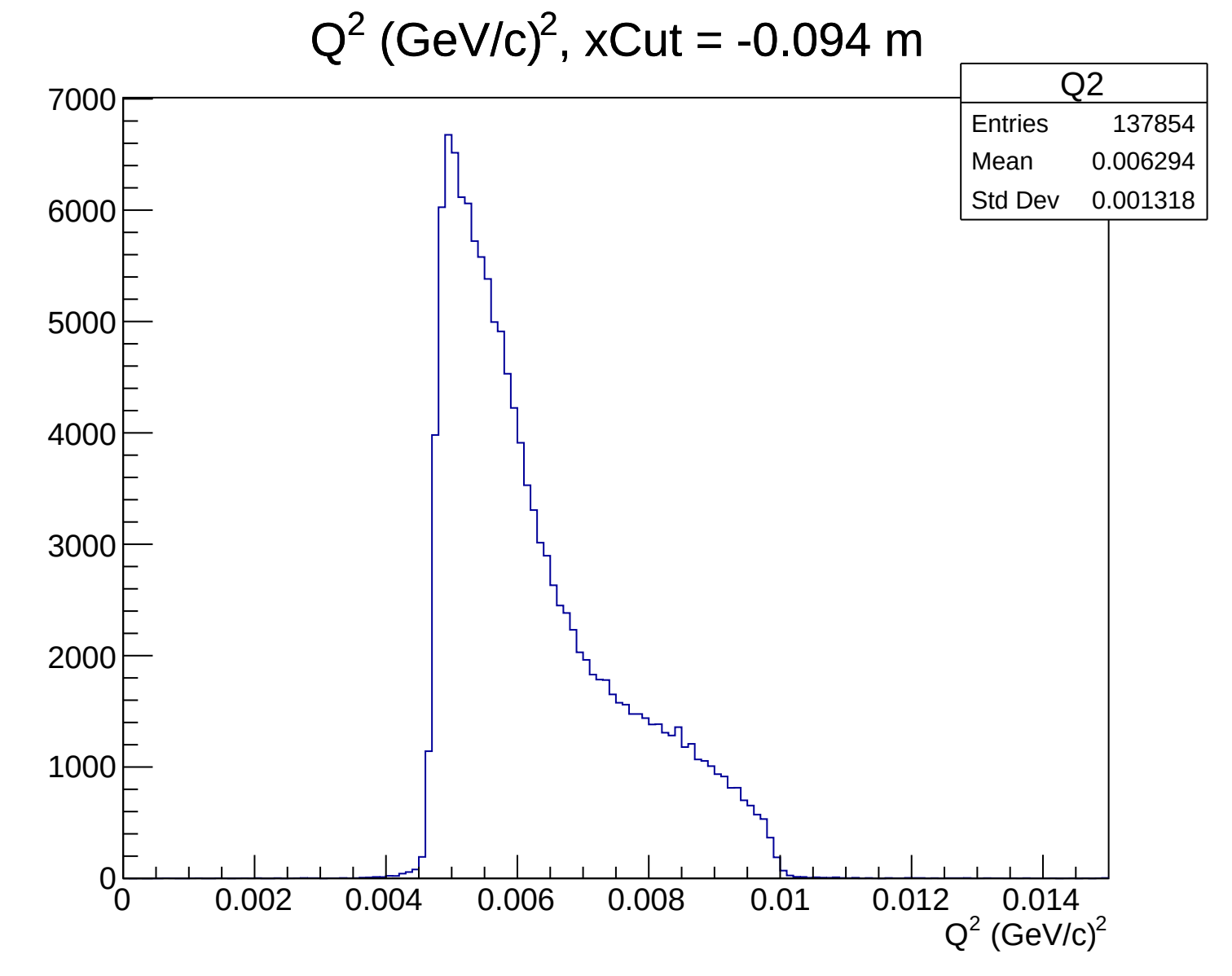

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.094
R.tr.x[0]+1.3*R.tr.th[0] (m)

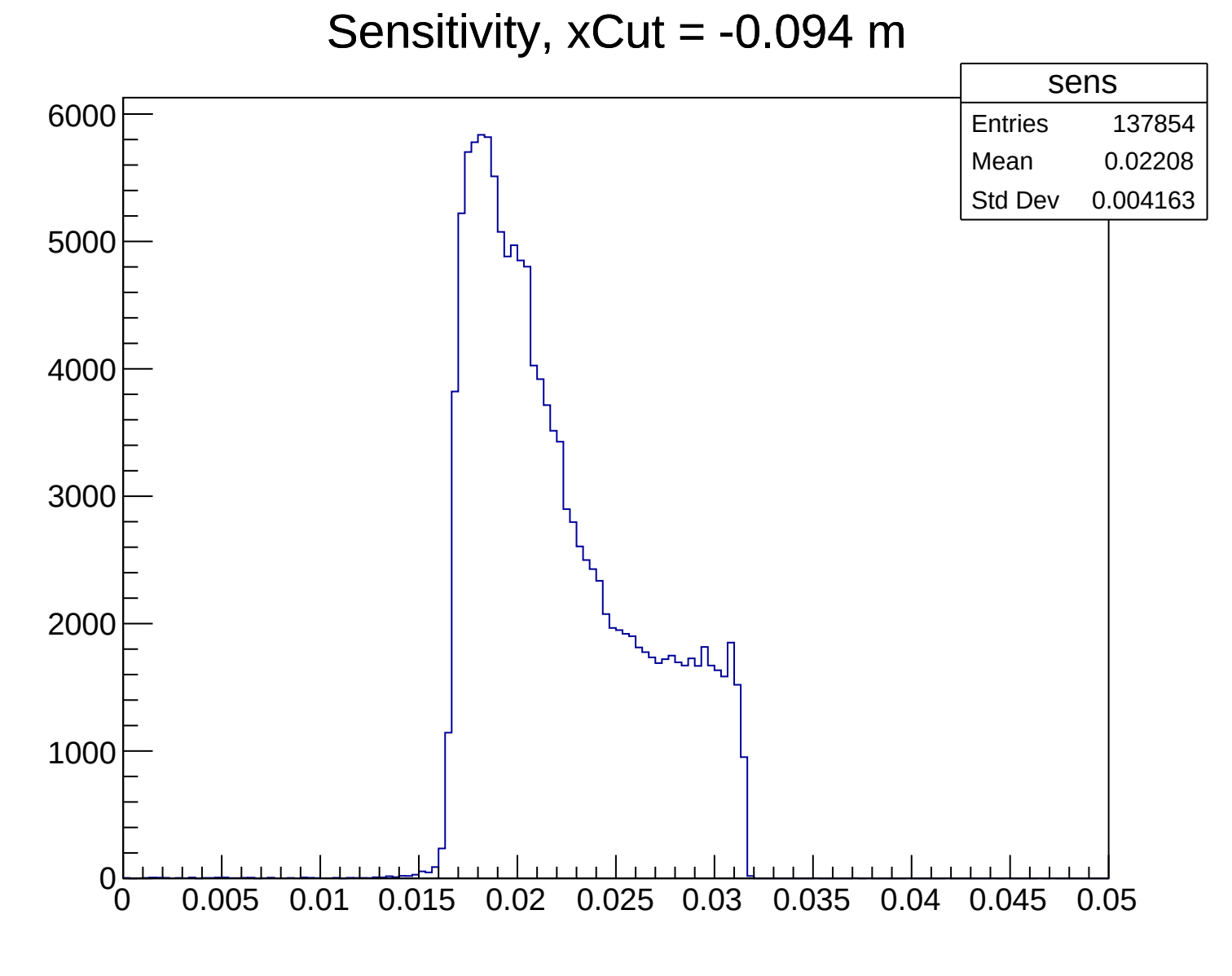

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

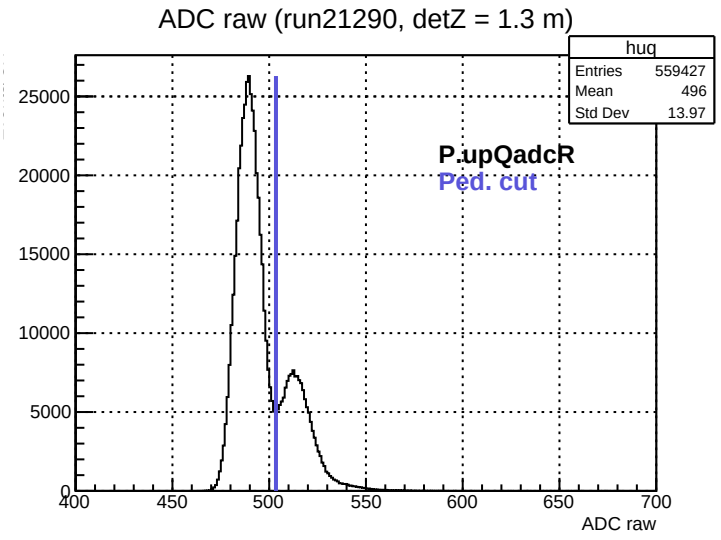

θlab (deg), xCut = -0.094 m
Theta
Entries 137854
Mean 4.771
Std Dev 0.4869
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

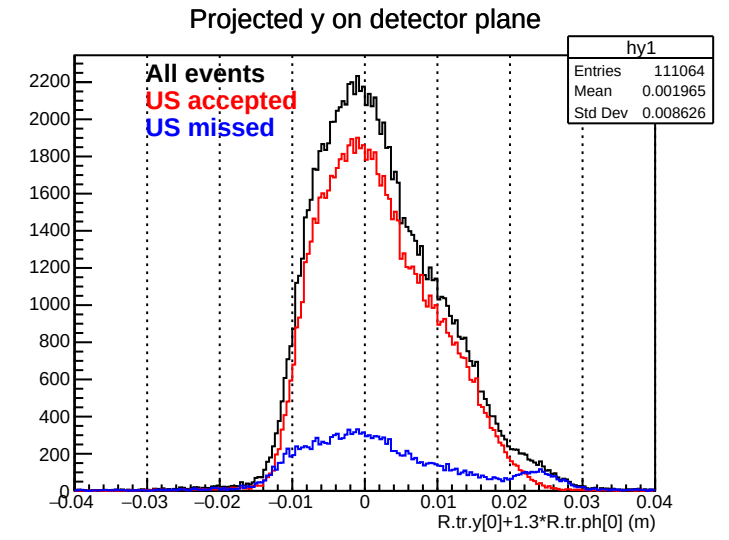

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 137854
Mean 0.5644
Std Dev 0.09291
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

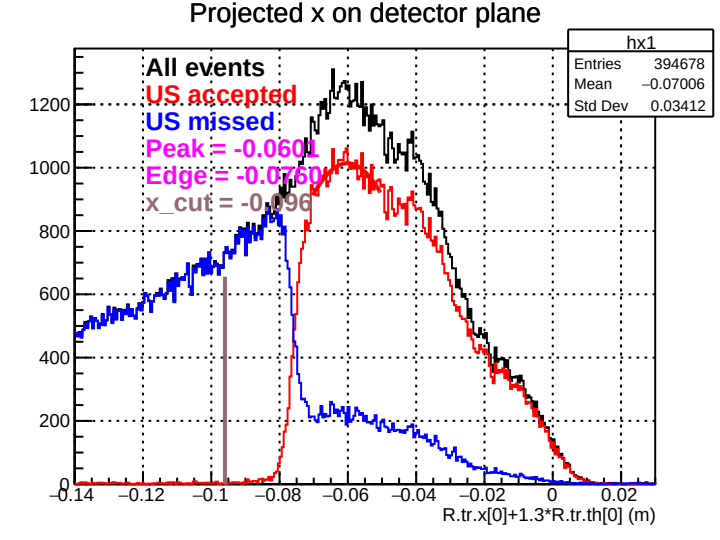

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 137854
Mean 0.5516
Std Dev 0.08892
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

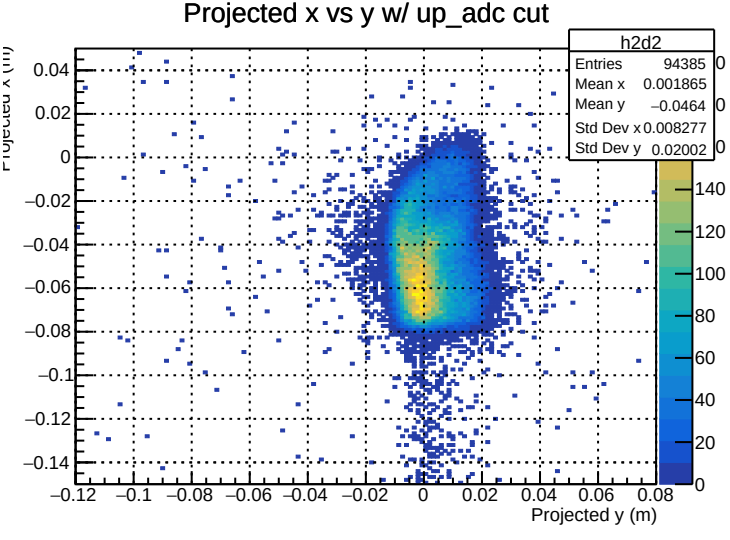

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 137854
Mean 0.006294
Std Dev 0.001318
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

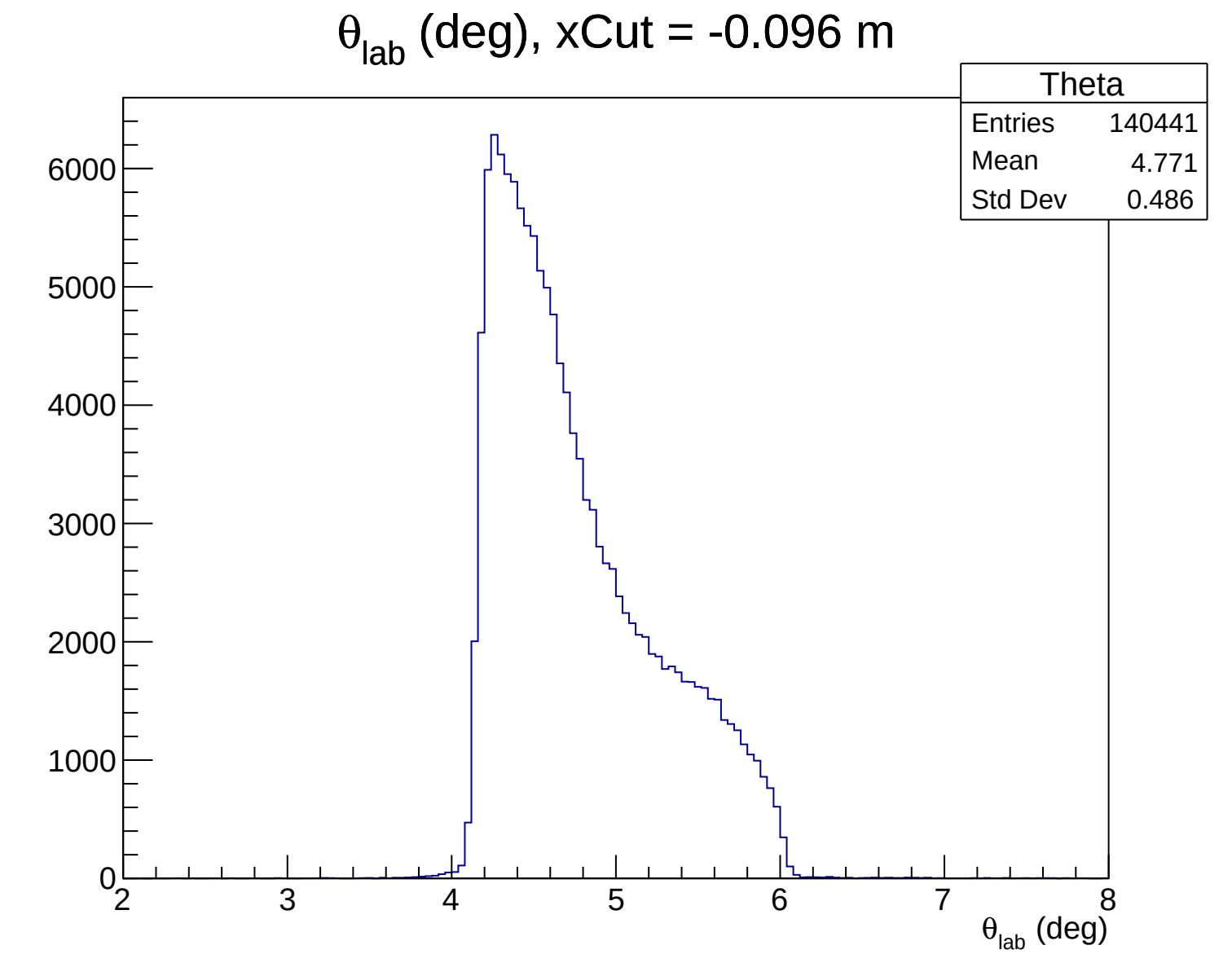

Sensitivity, xCut = -0.094 m
sens
Entries 137854
Mean 0.02208
Std Dev 0.004163
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

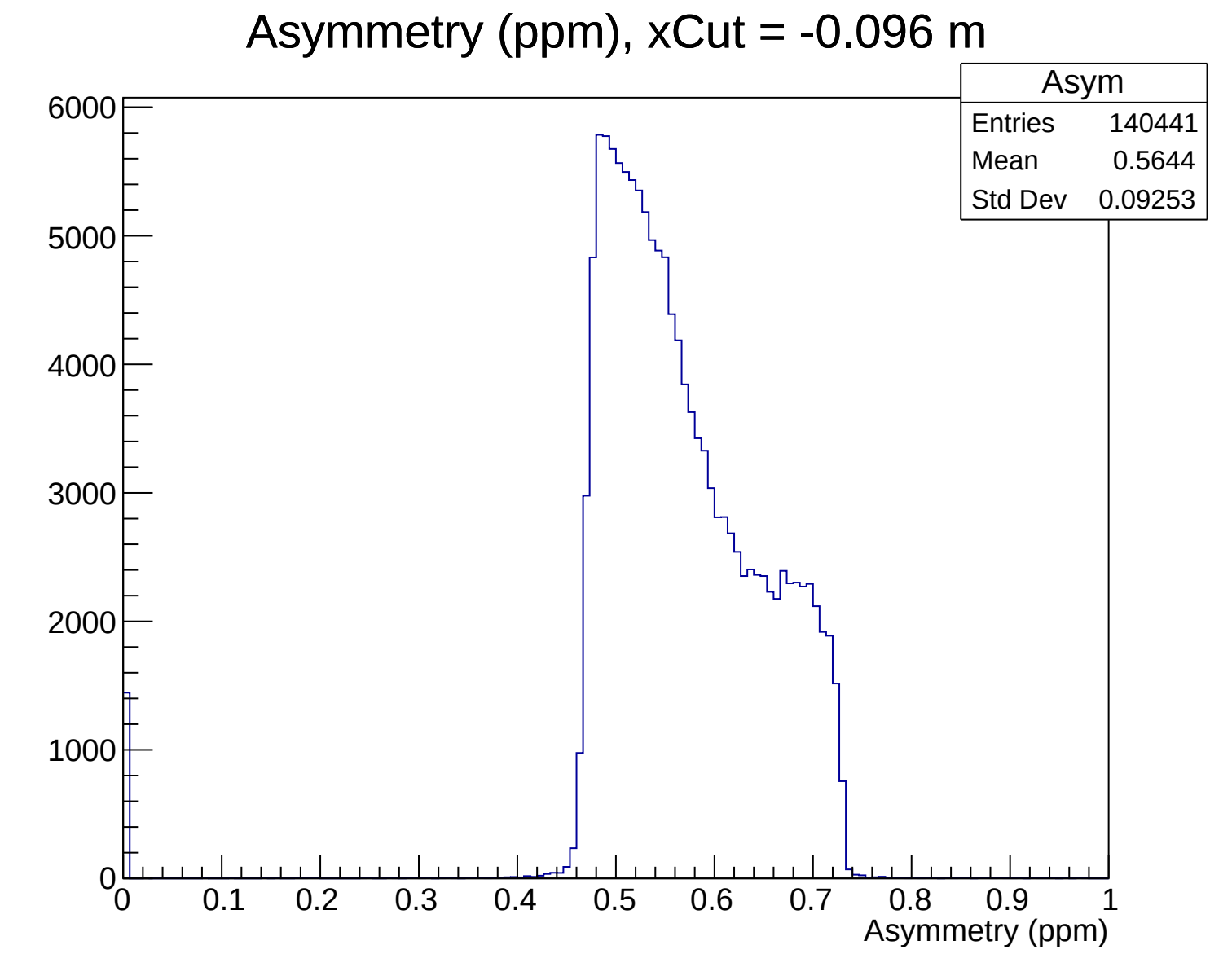

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

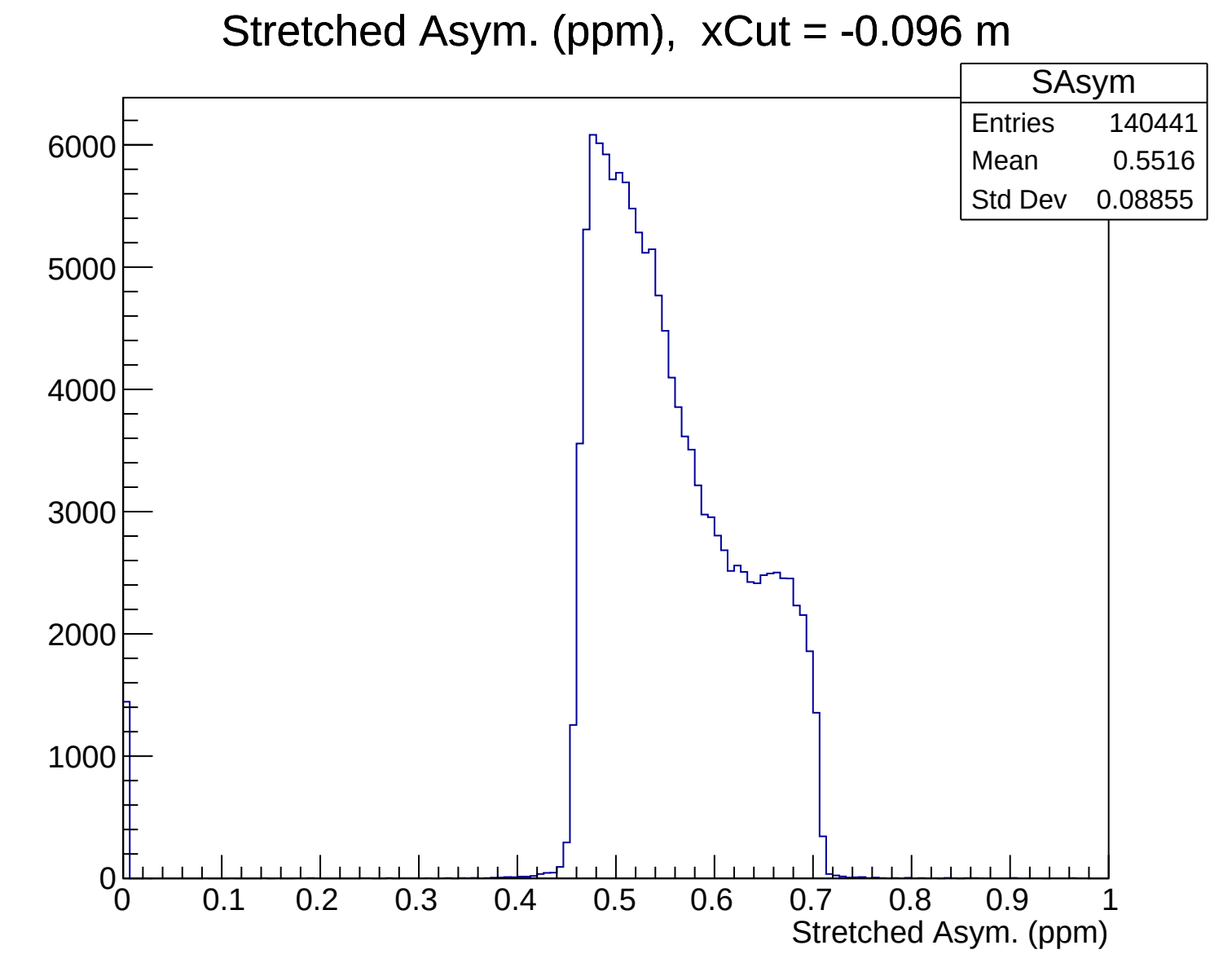

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

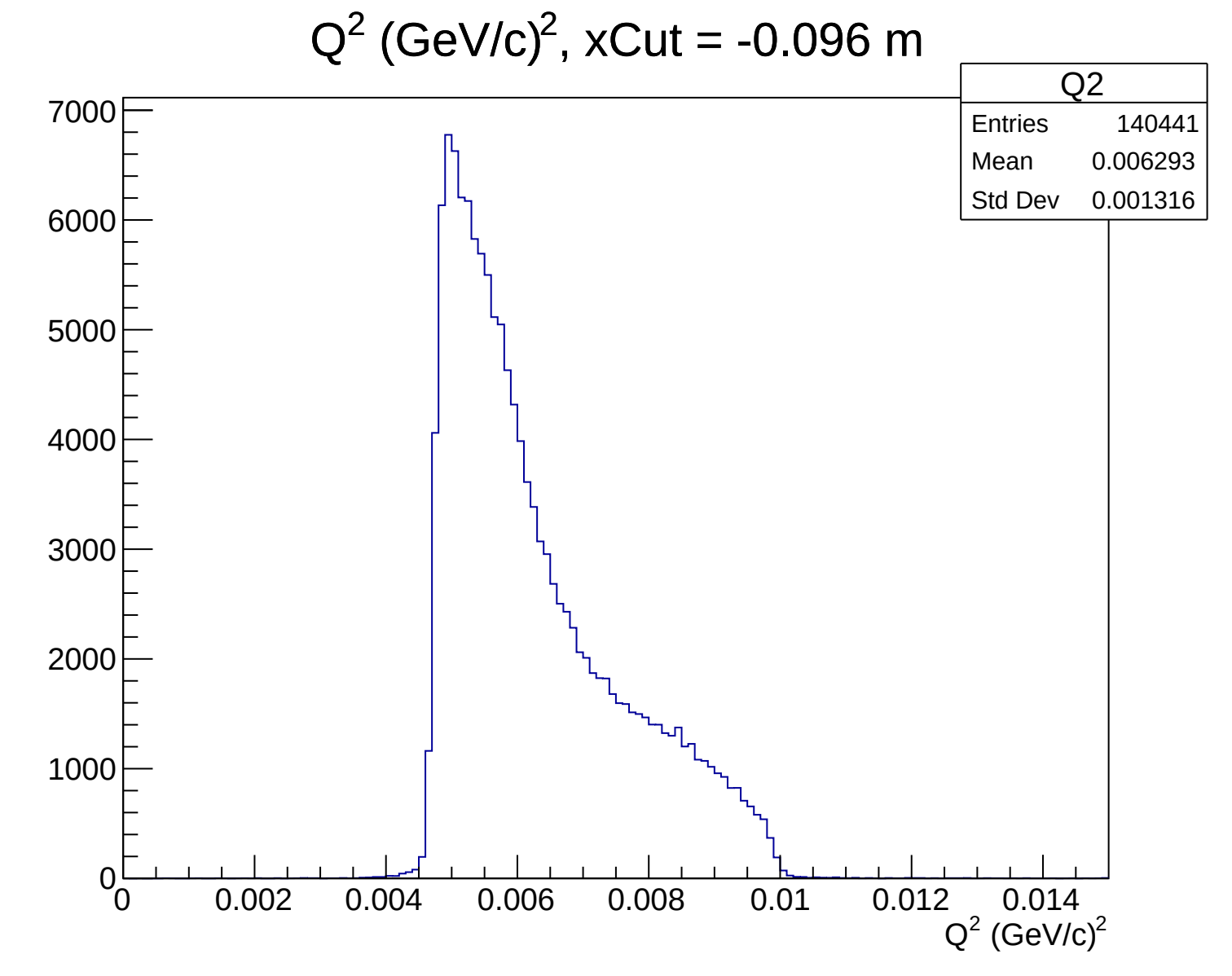

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.096
R.tr.x[0]+1.3*R.tr.th[0] (m)

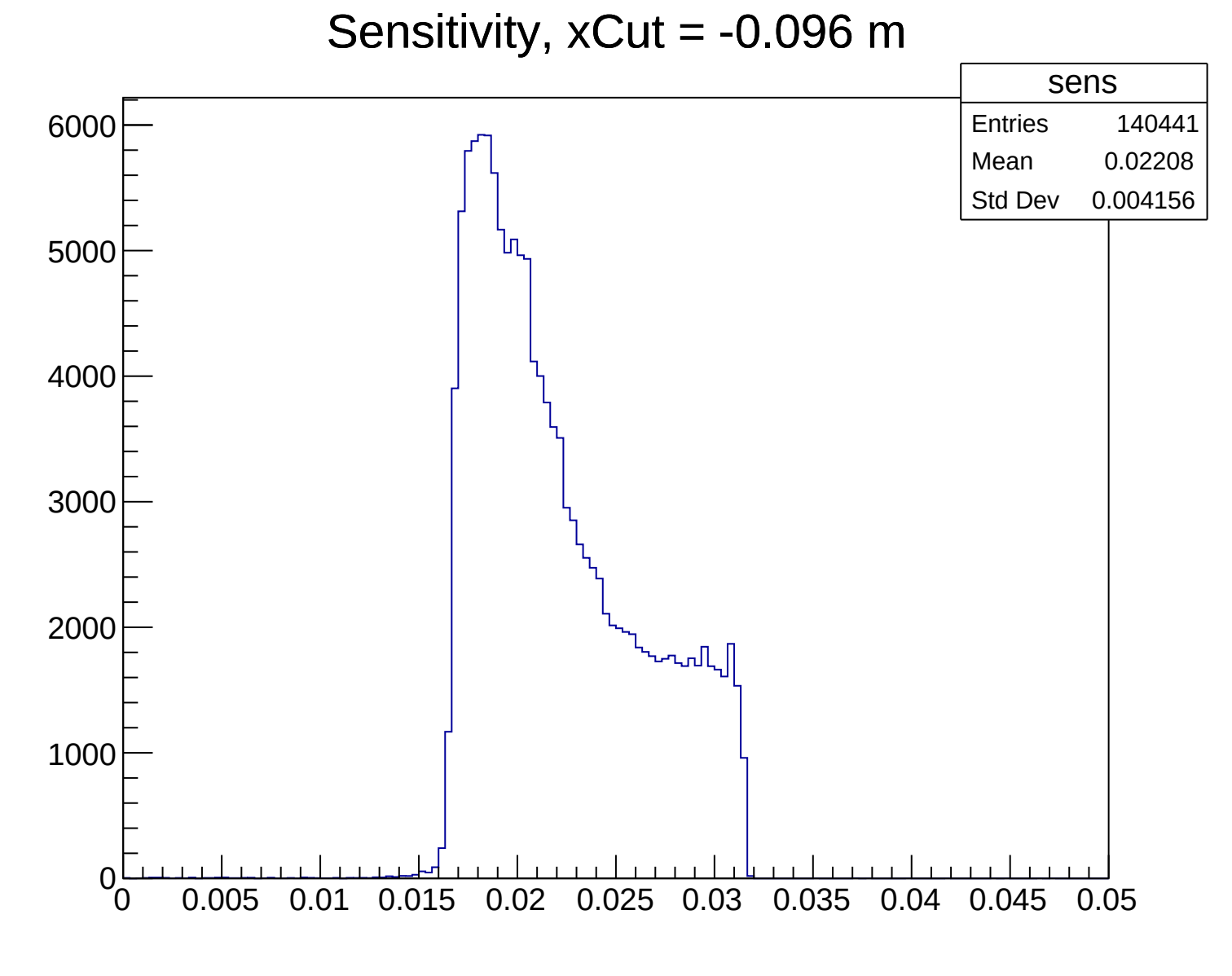

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

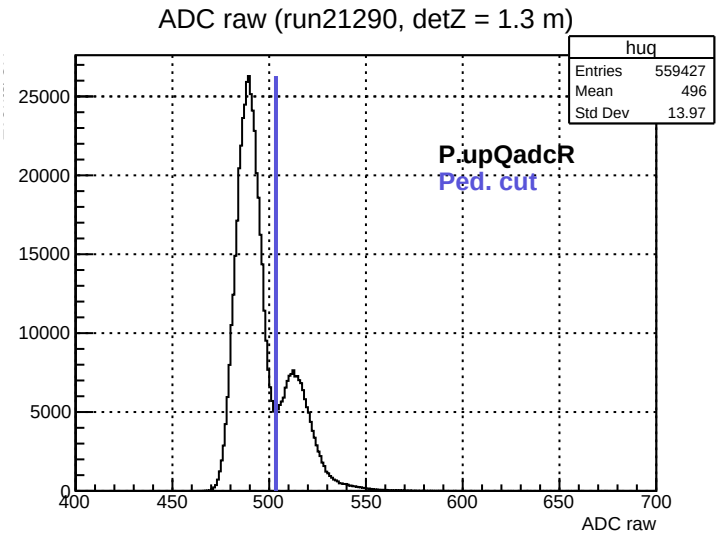

θlab (deg), xCut = -0.096 m
Theta
Entries 140441
Mean 4.771
Std Dev 0.486
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

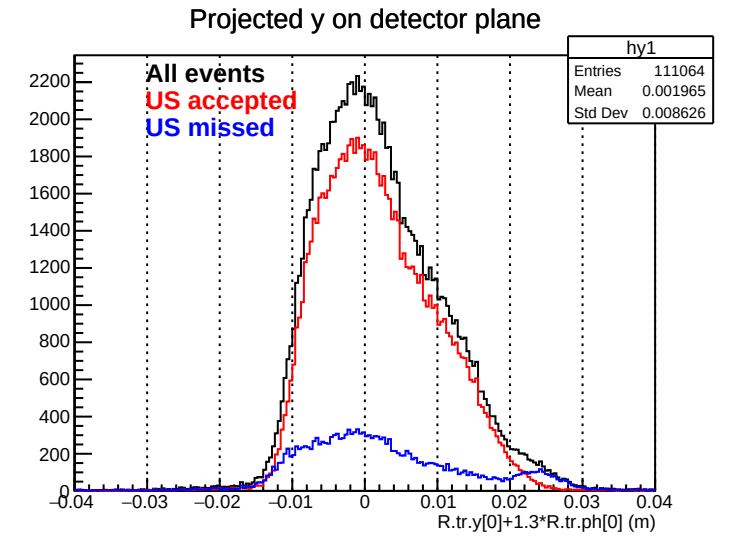

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 140441
Mean 0.5644
Std Dev 0.09253
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

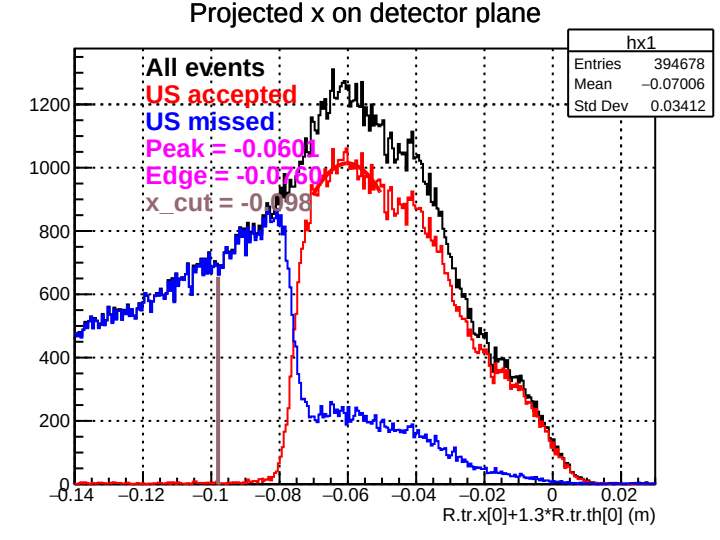

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 140441
Mean 0.5516
Std Dev 0.08855
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

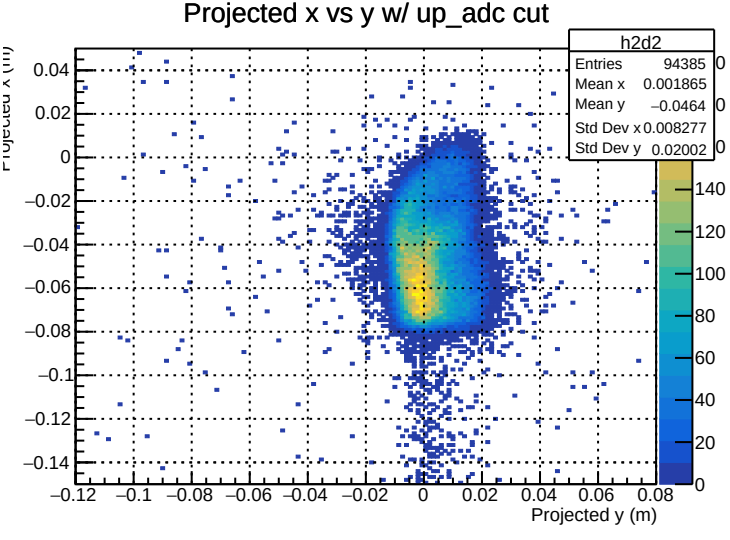

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 140441
Mean 0.006293
Std Dev 0.001316
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

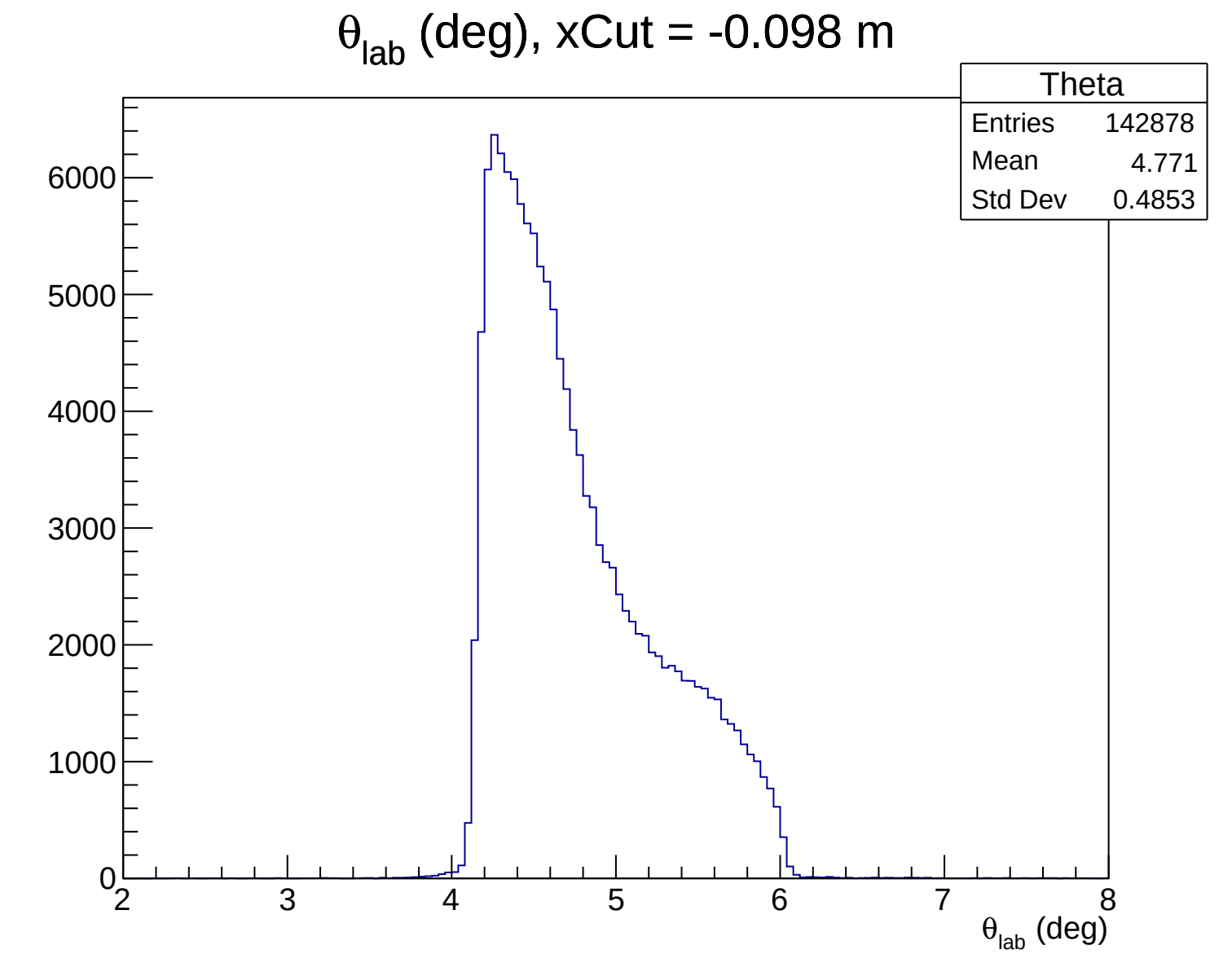

Sensitivity, xCut = -0.096 m
sens
Entries 140441
Mean 0.02208
Std Dev 0.004156
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

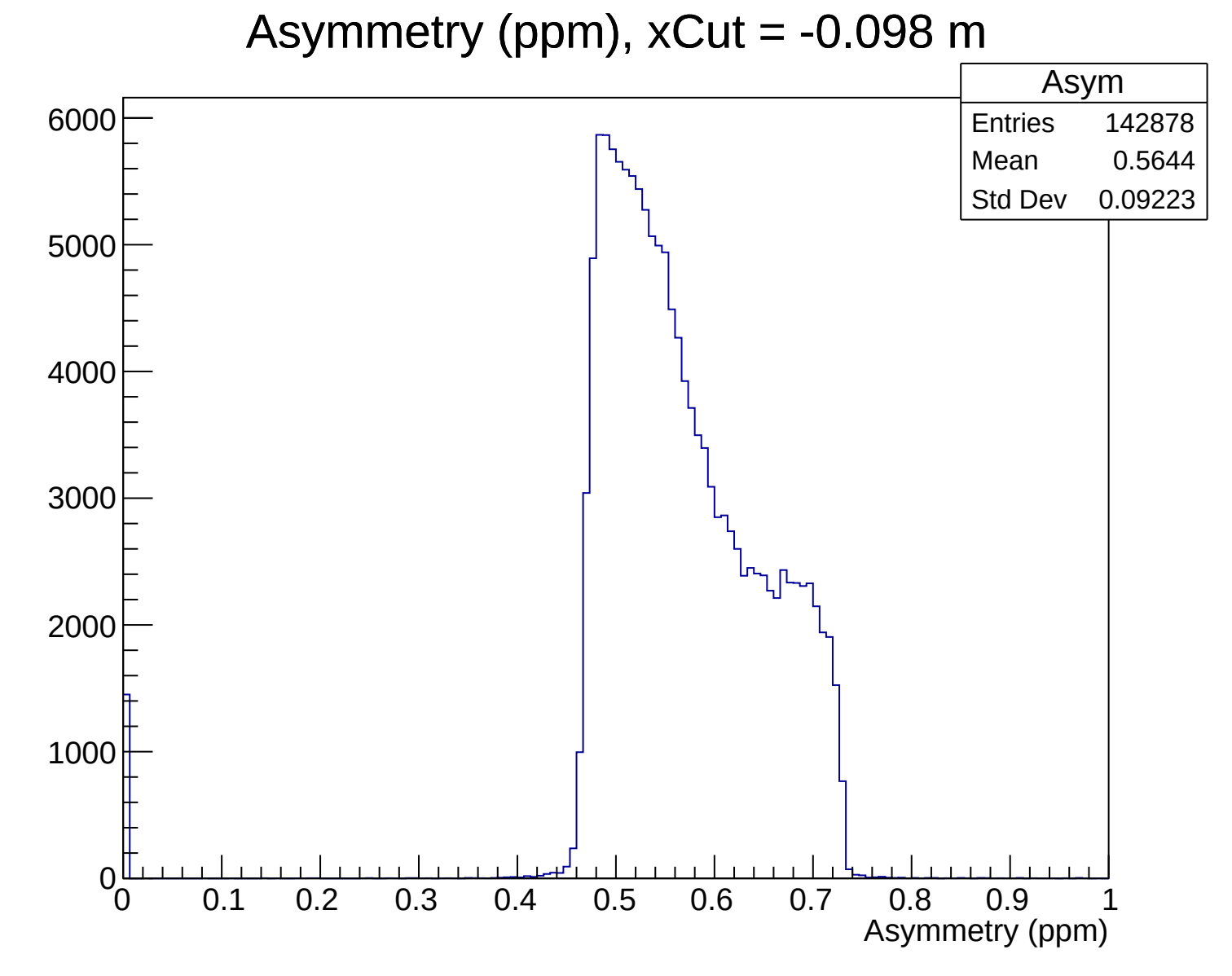

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

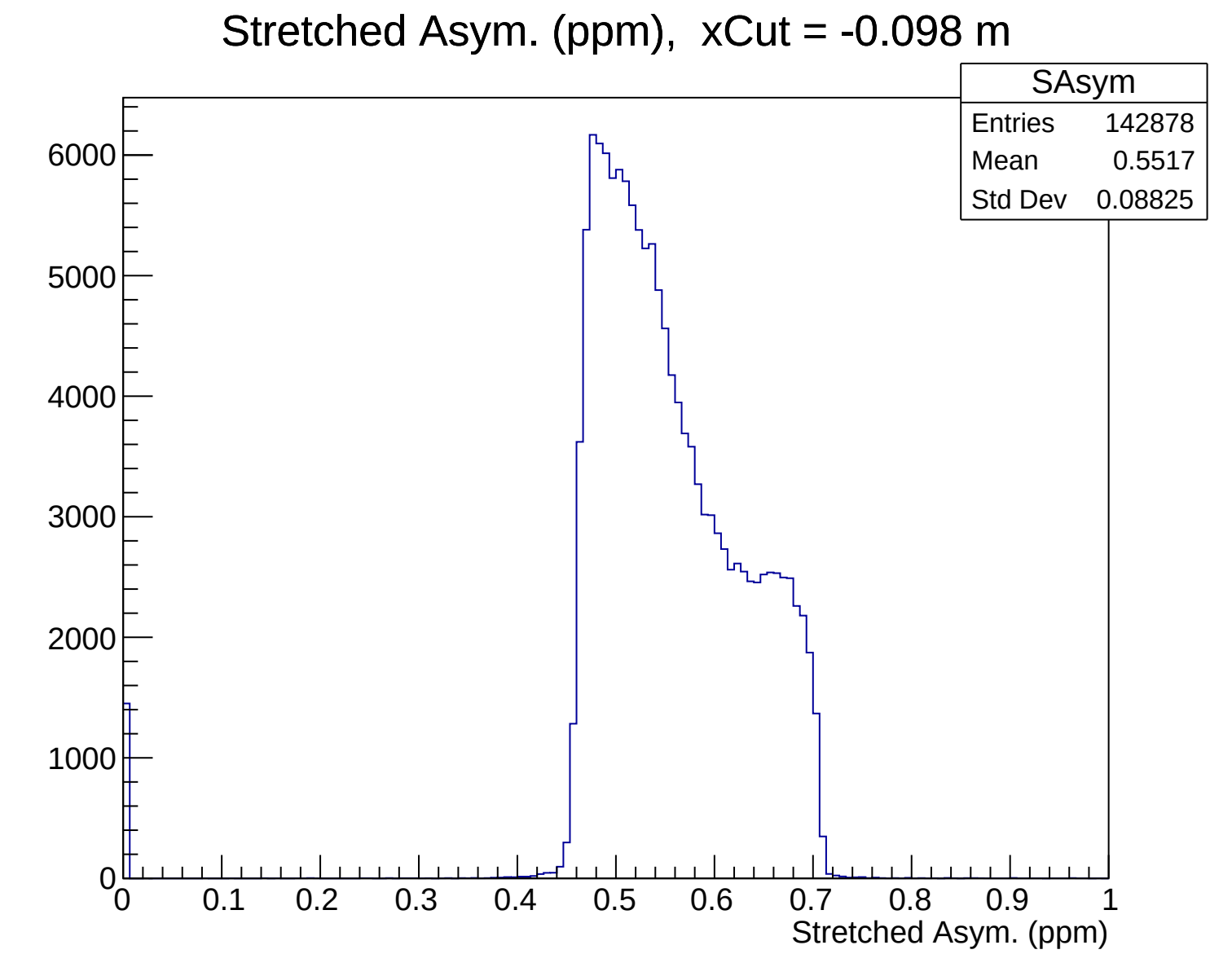

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

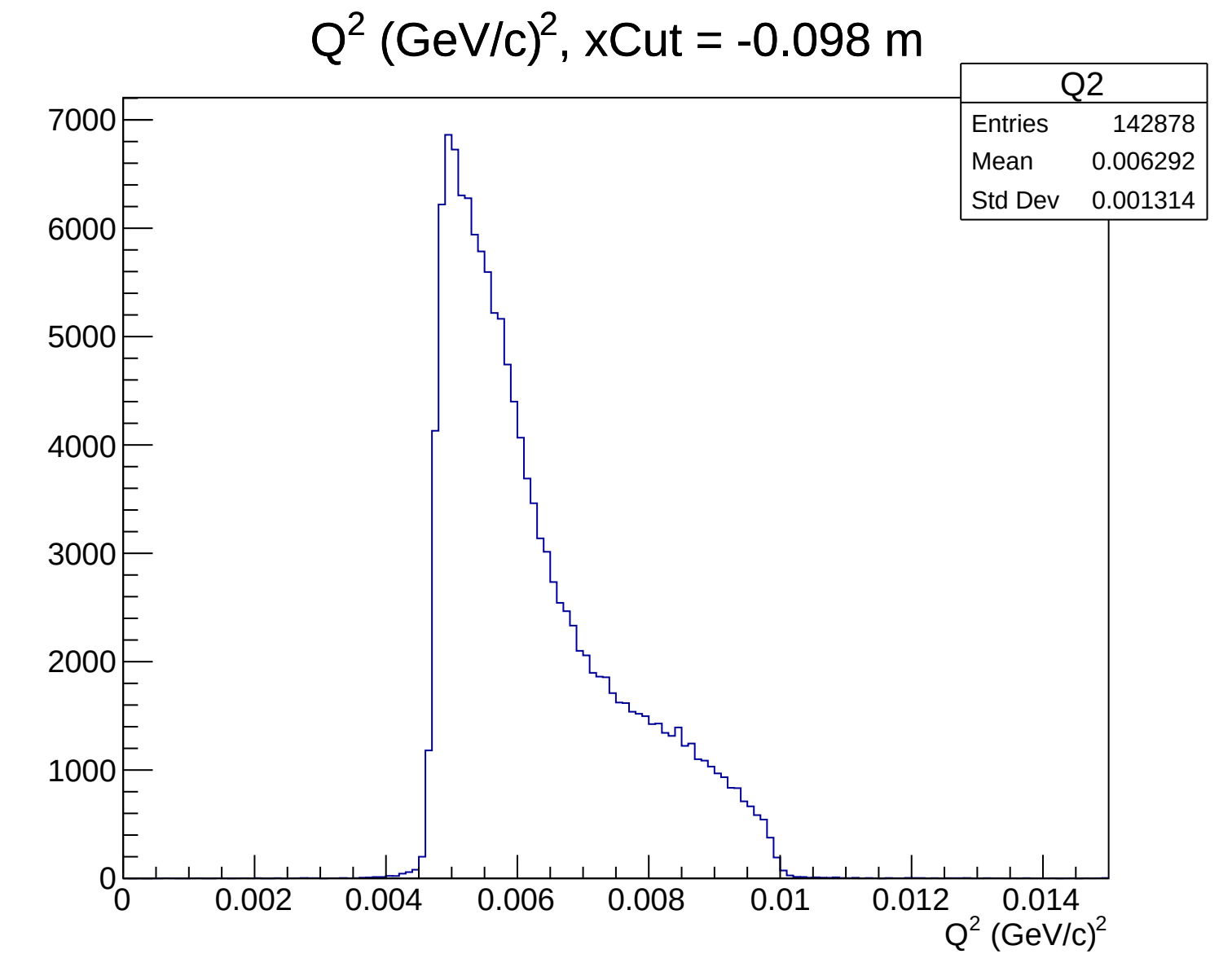

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.098
R.tr.x[0]+1.3*R.tr.th[0] (m)

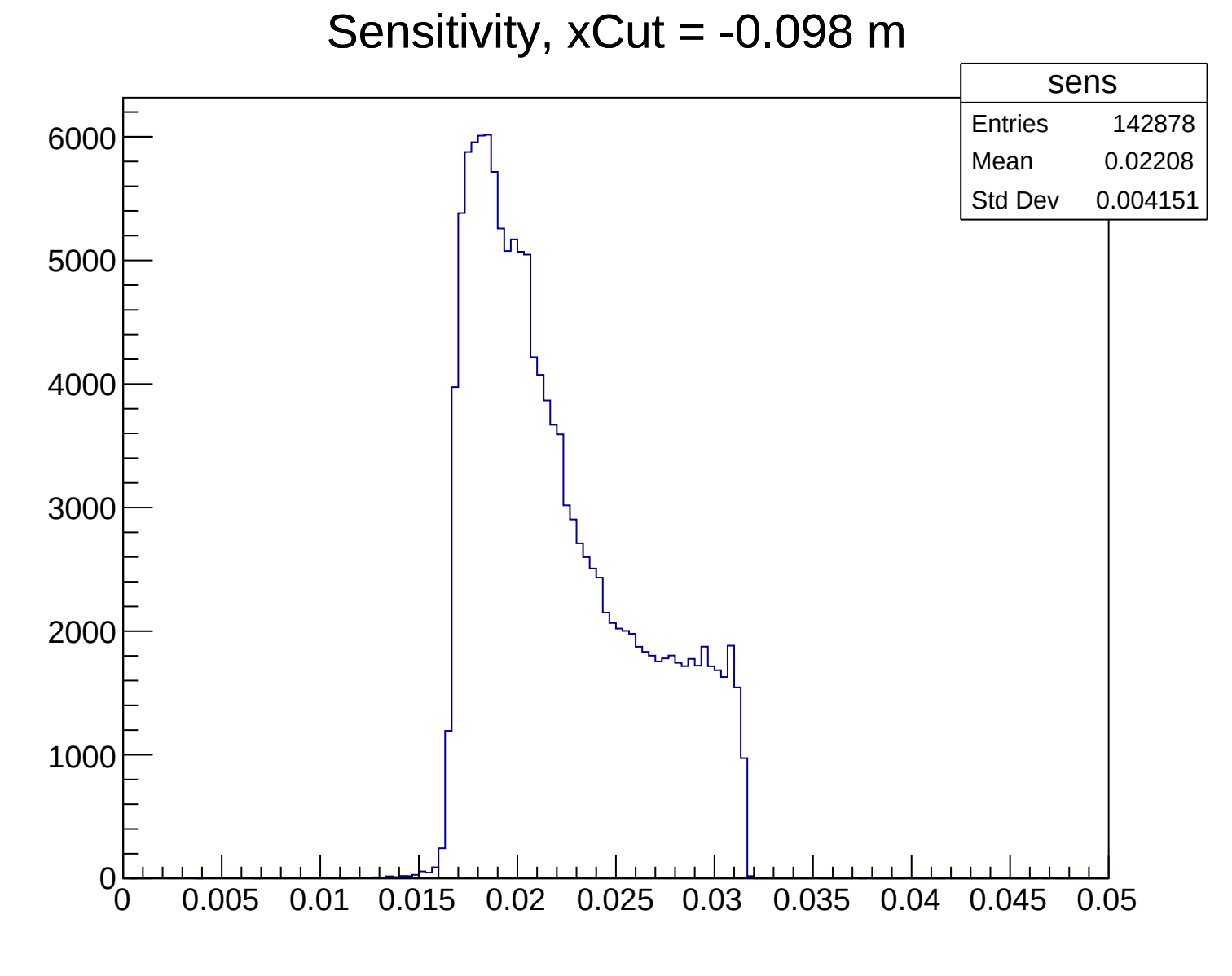

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

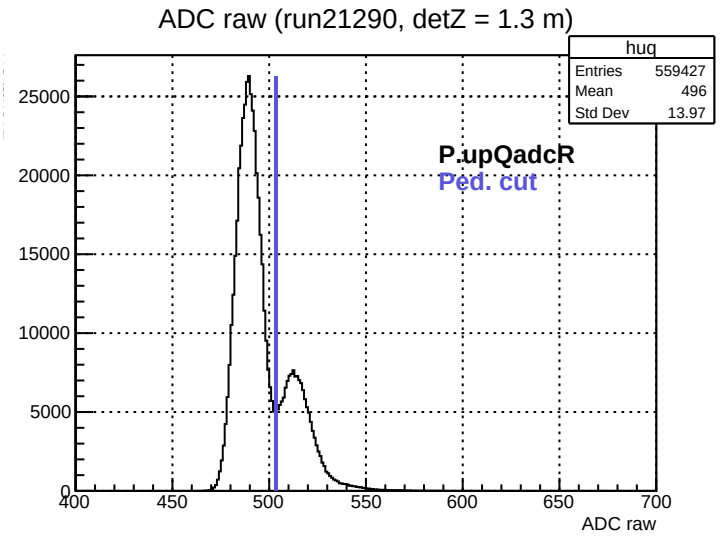

θlab (deg), xCut = -0.098 m
Theta
Entries 142878
Mean 4.771
Std Dev 0.4853
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

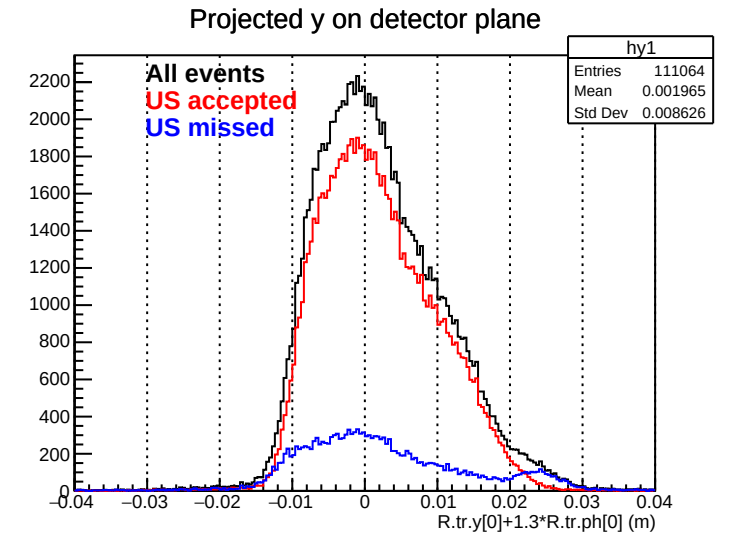

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 142878
Mean 0.5644
Std Dev 0.09223
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

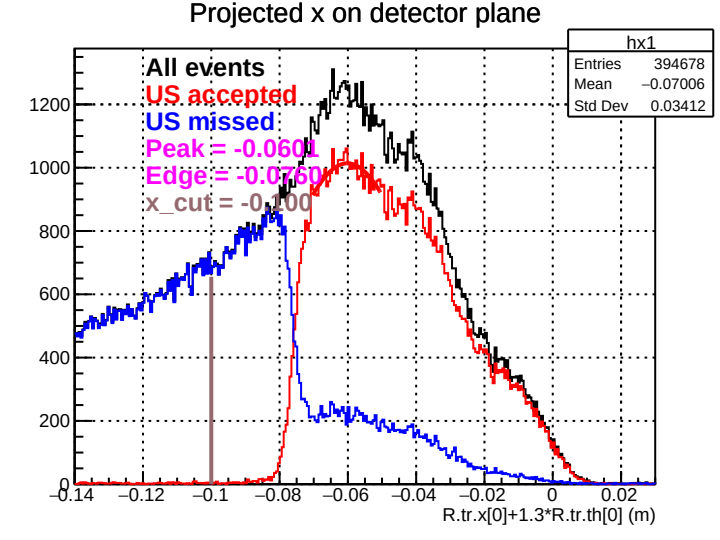

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 142878
Mean 0.5517
Std Dev 0.08825
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

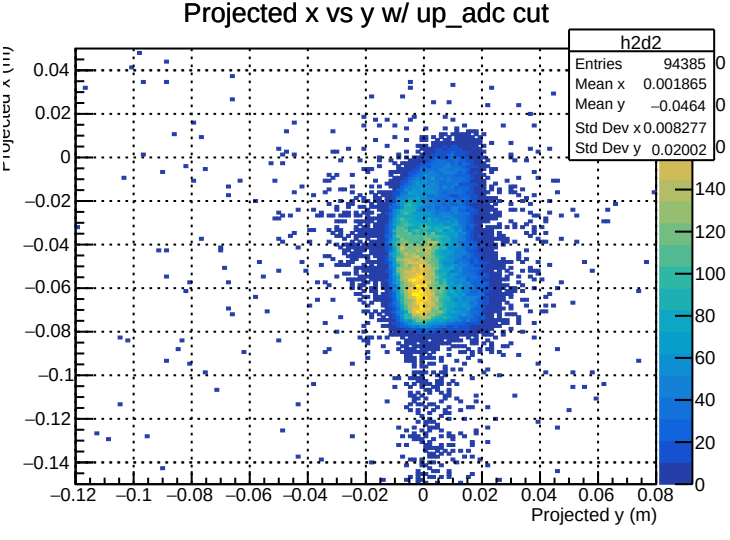

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 142878
Mean 0.006292
Std Dev 0.001314
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

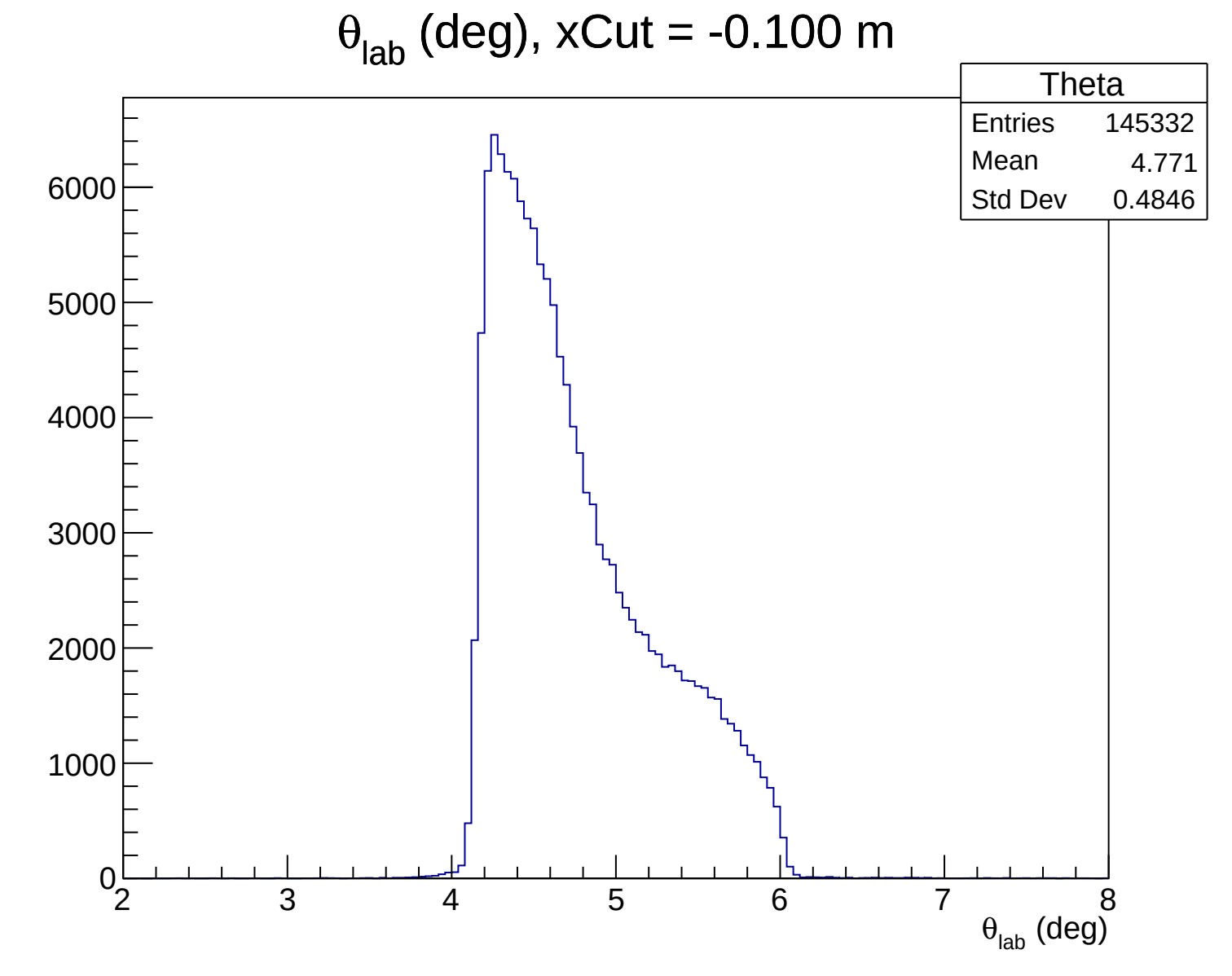

Sensitivity, xCut = -0.098 m
sens
Entries 142878
Mean 0.02208
Std Dev 0.004151
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

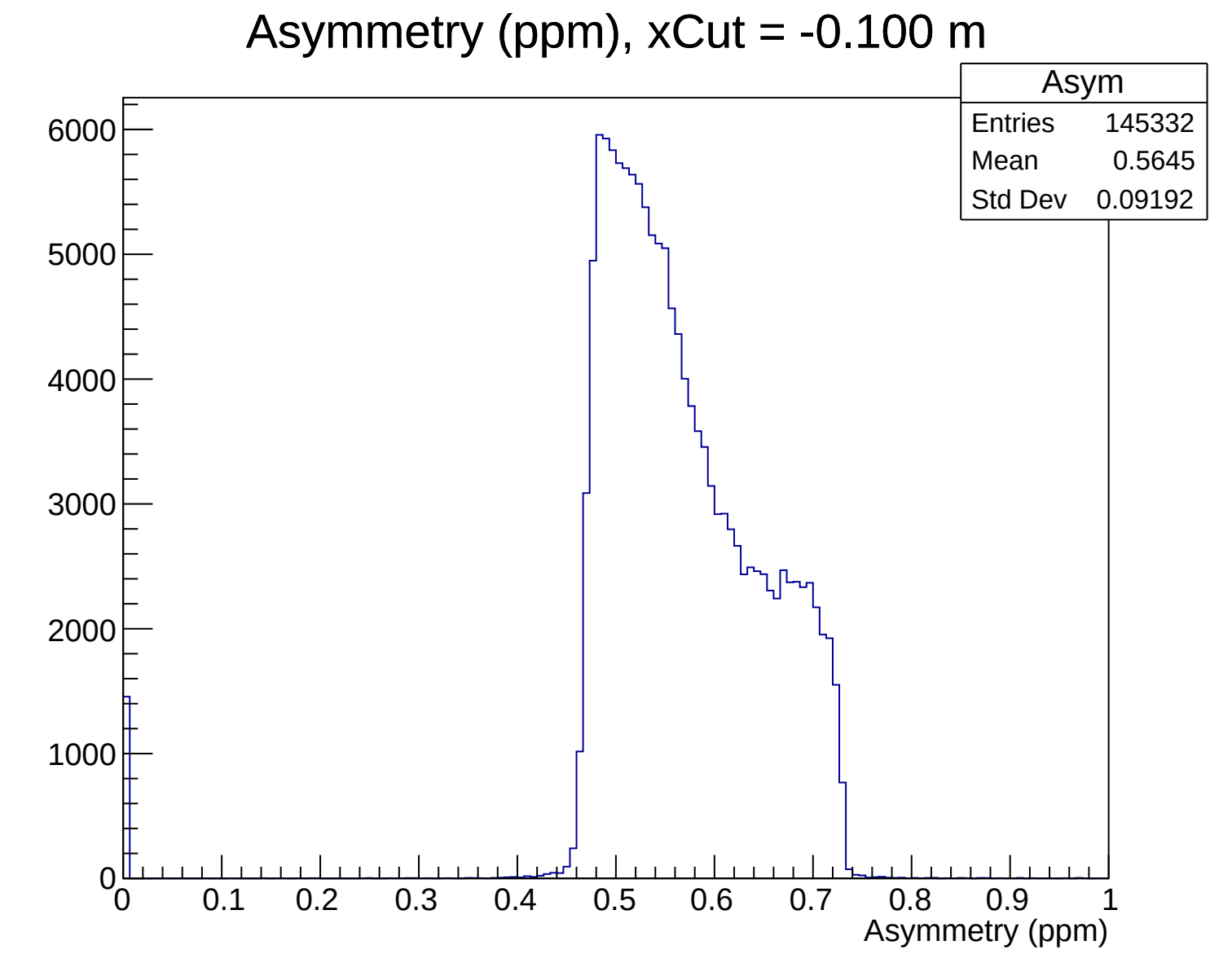

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

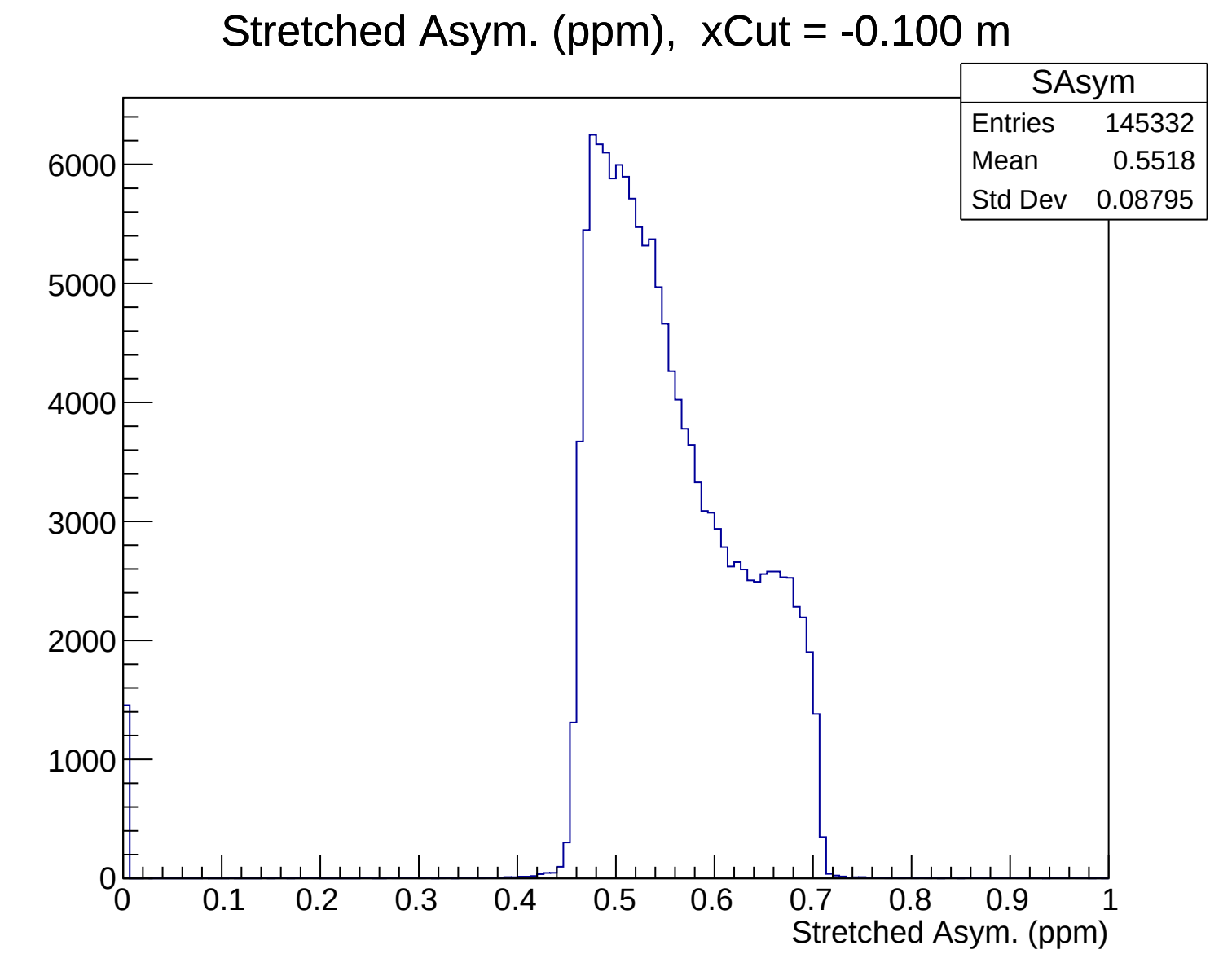

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

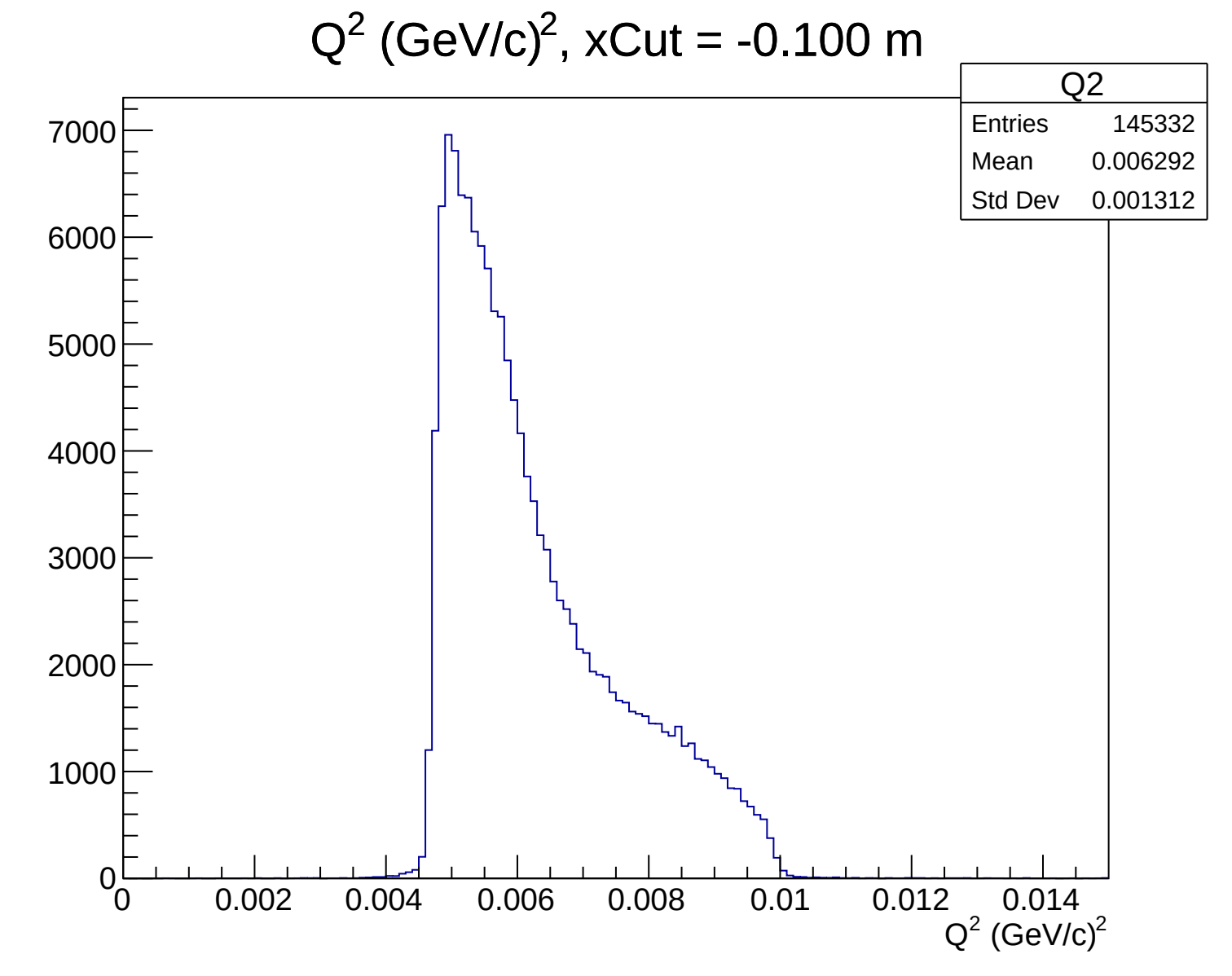

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.100
R.tr.x[0]+1.3*R.tr.th[0] (m)

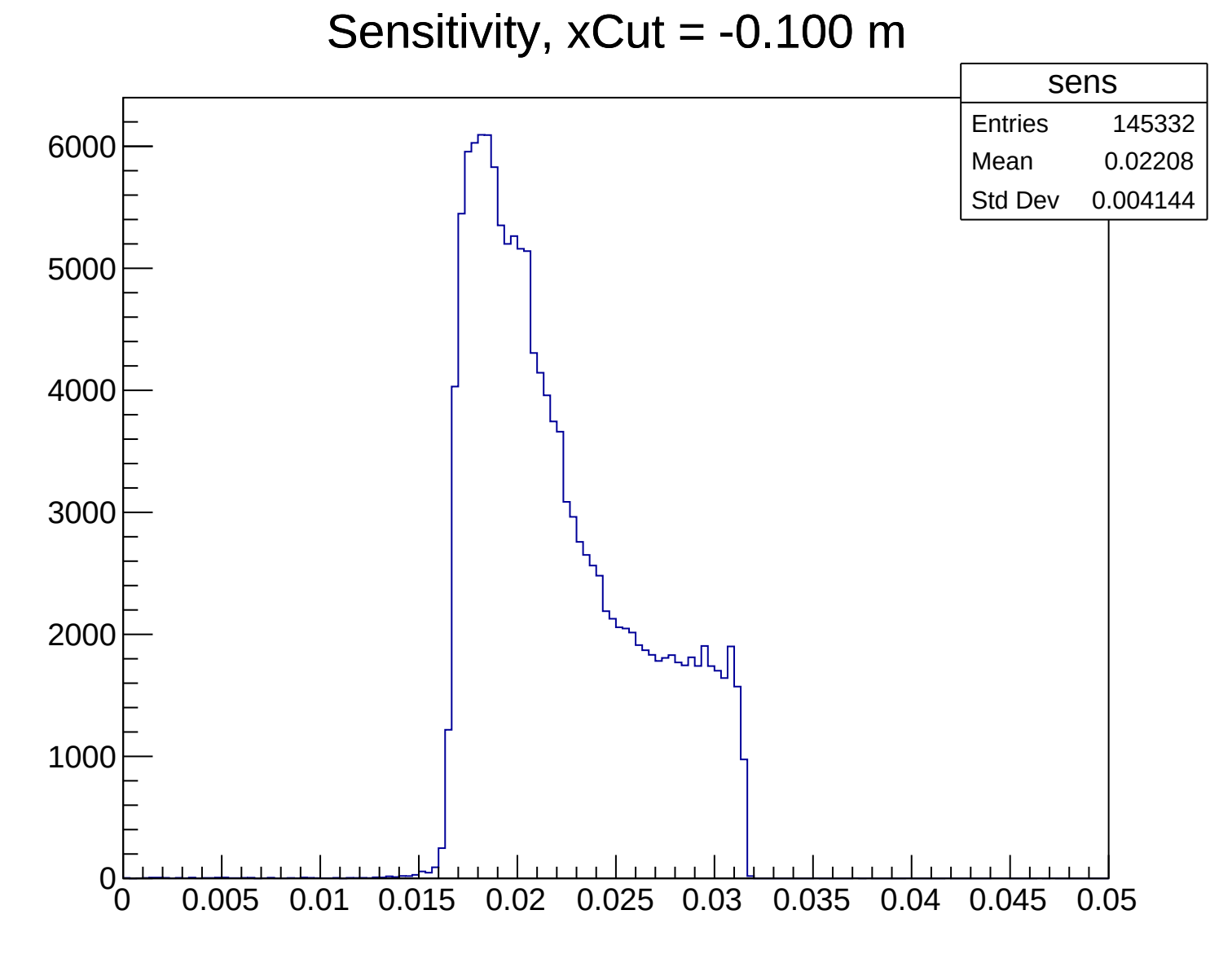

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

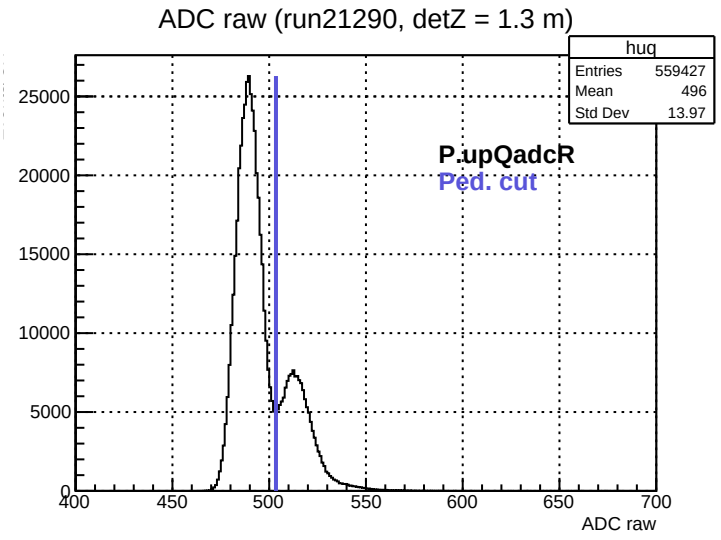

θlab (deg), xCut = -0.100 m
Theta
Entries 145332
Mean 4.771
Std Dev 0.4846
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

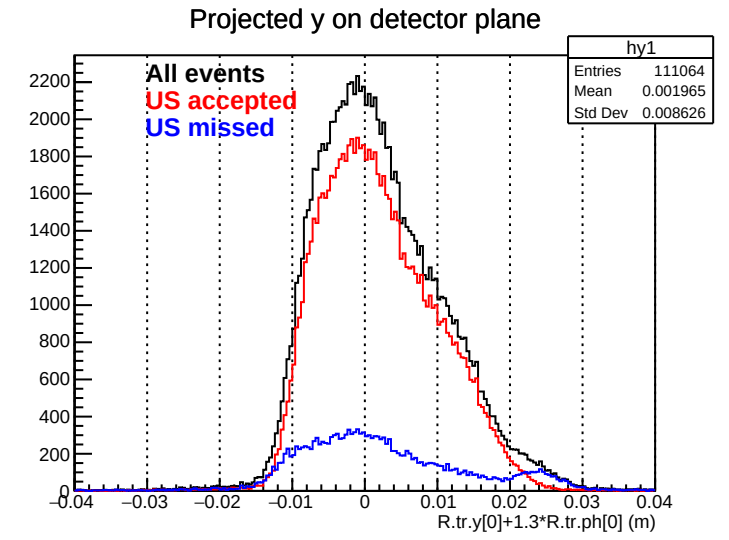

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 145332
Mean 0.5645
Std Dev 0.09192
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

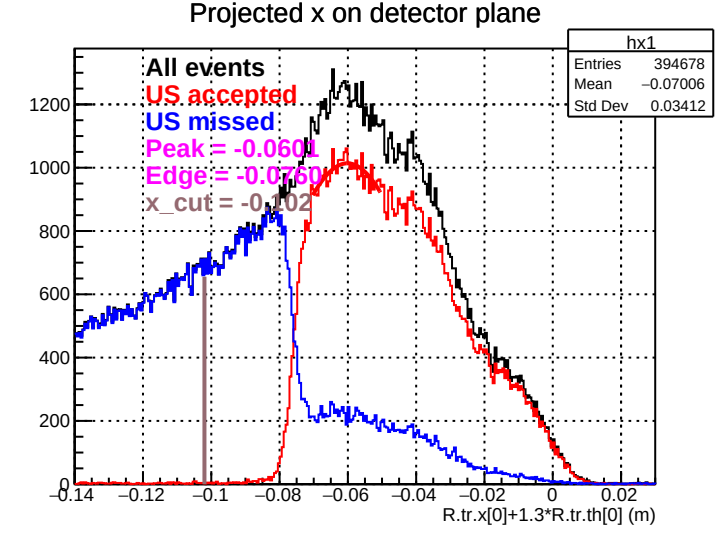

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 145332
Mean 0.5518
Std Dev 0.08795
6000
5000
4000
3000
2000
1000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

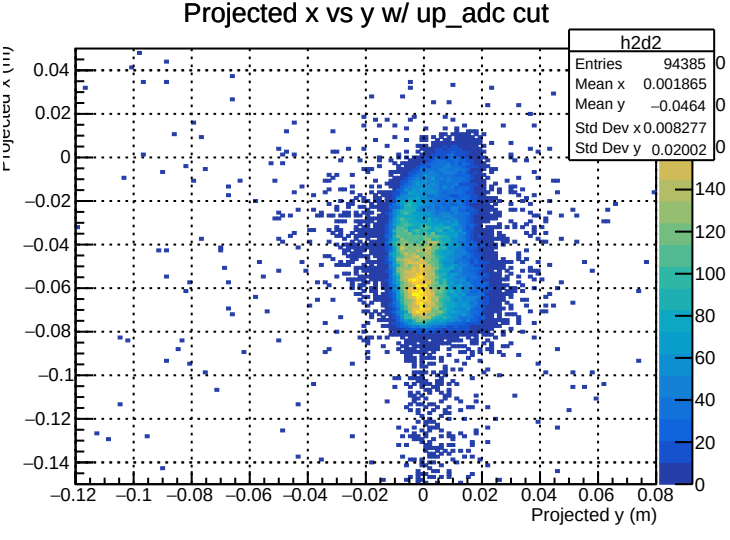

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 145332
Mean 0.006292
Std Dev 0.001312
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

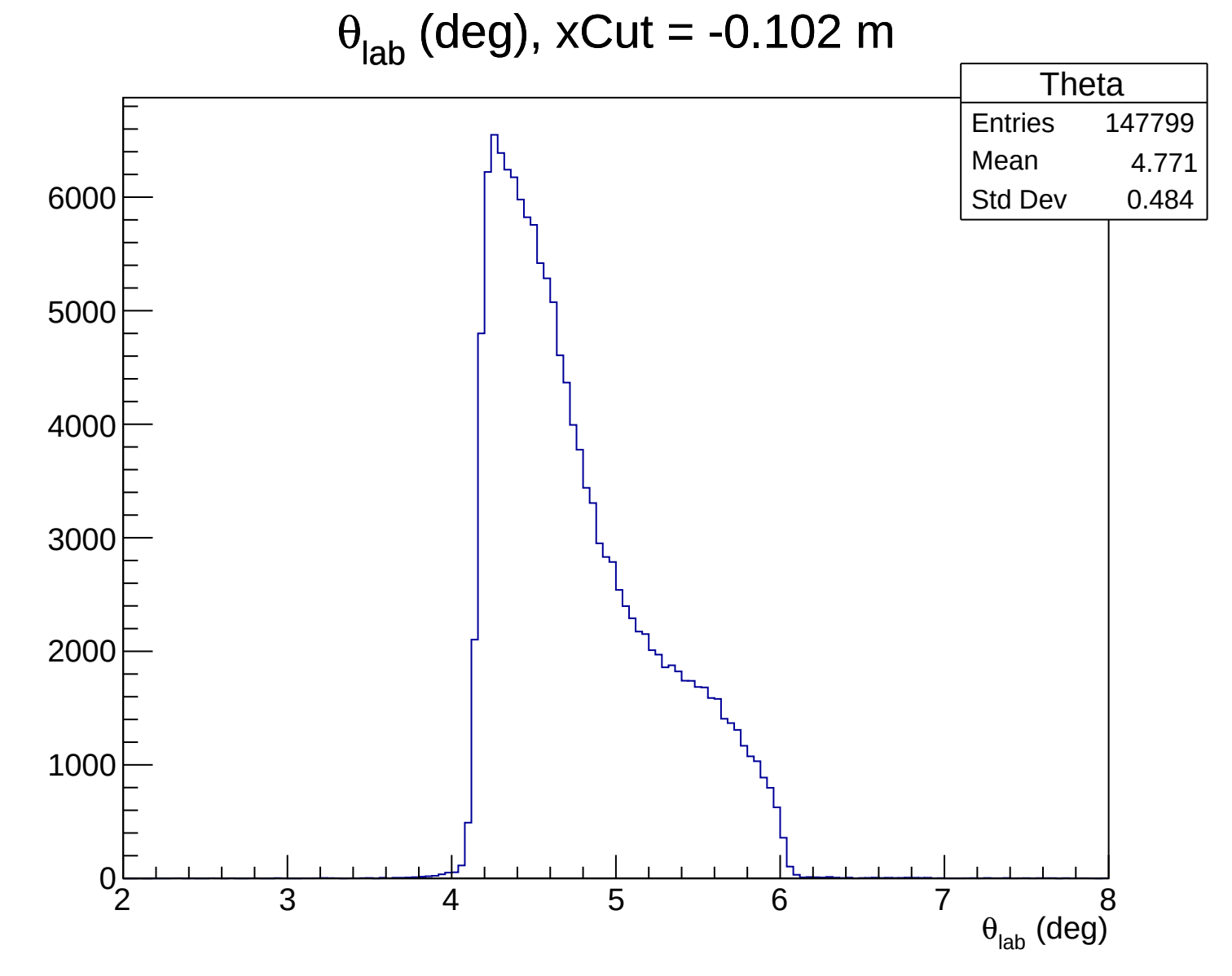

Sensitivity, xCut = -0.100 m
sens
Entries 145332
Mean 0.02208
Std Dev 0.004144
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

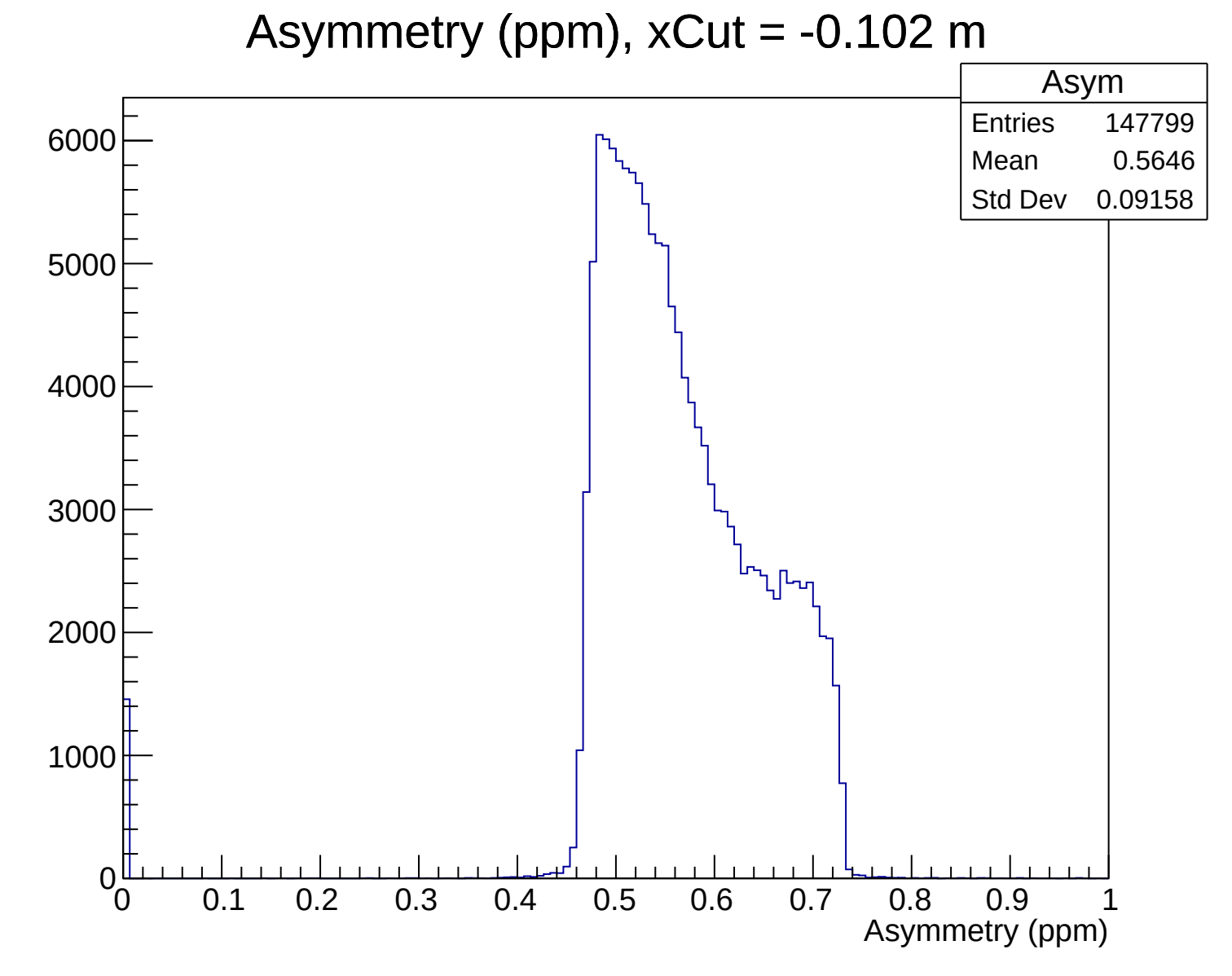

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

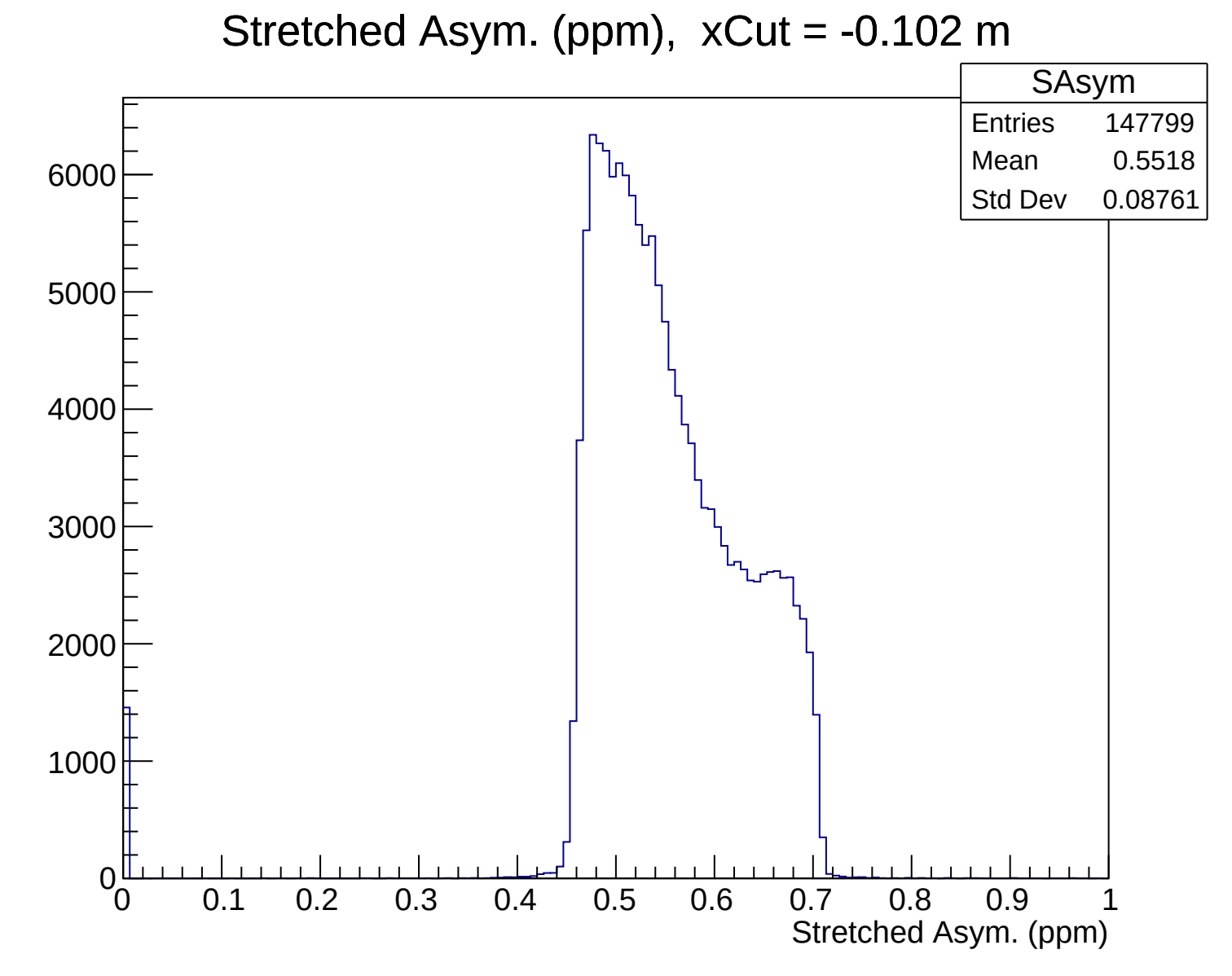

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

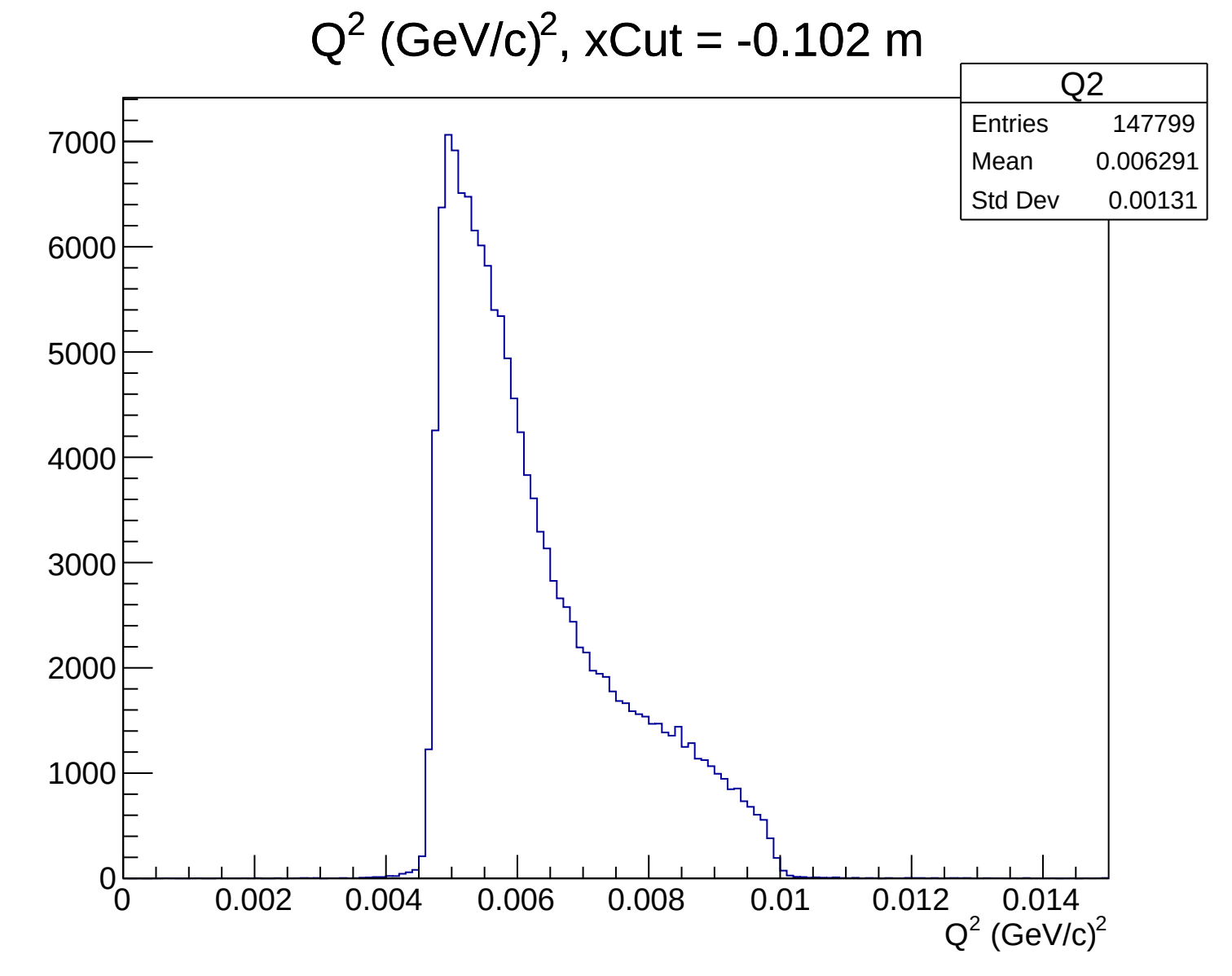

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.102
R.tr.x[0]+1.3*R.tr.th[0] (m)

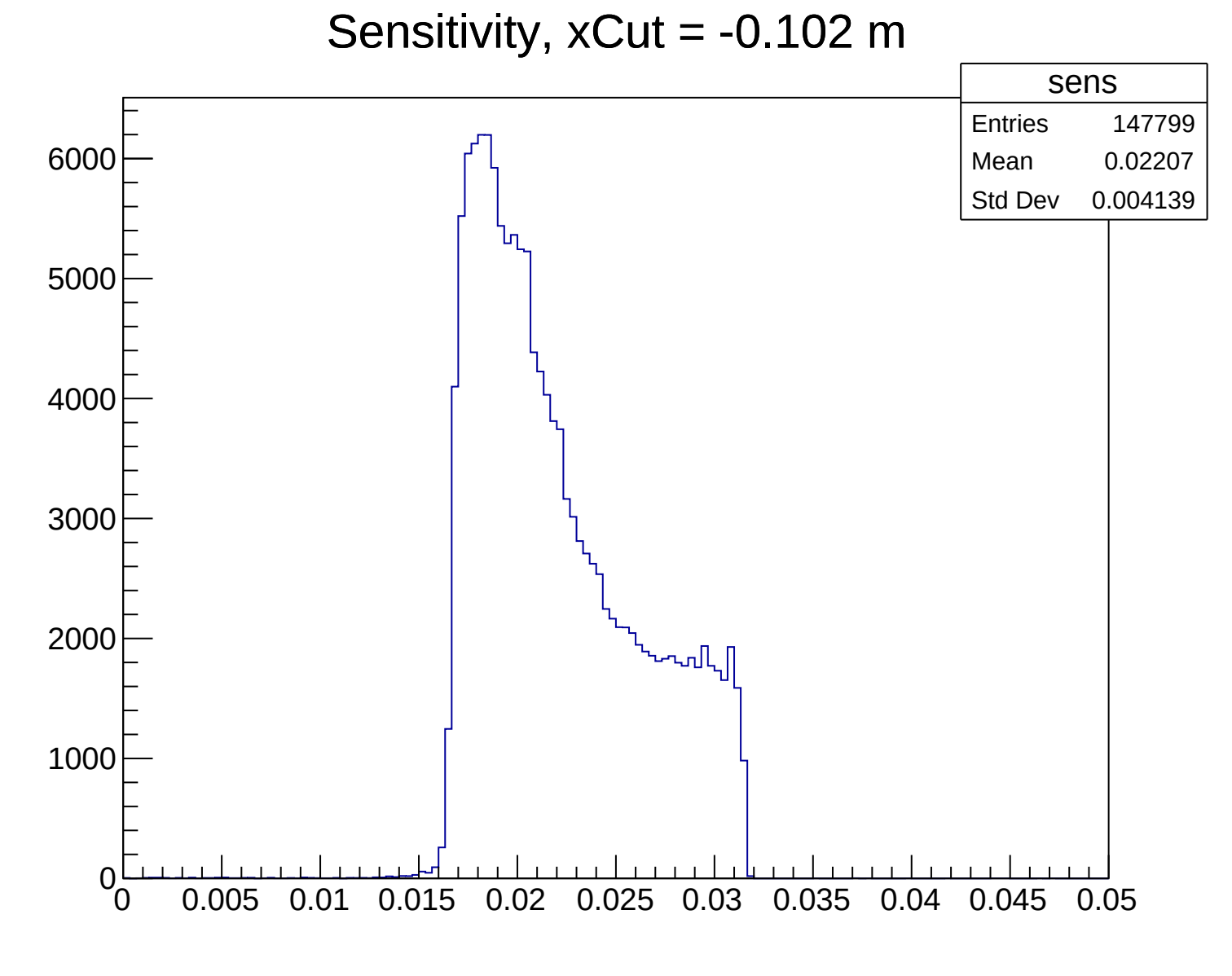

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

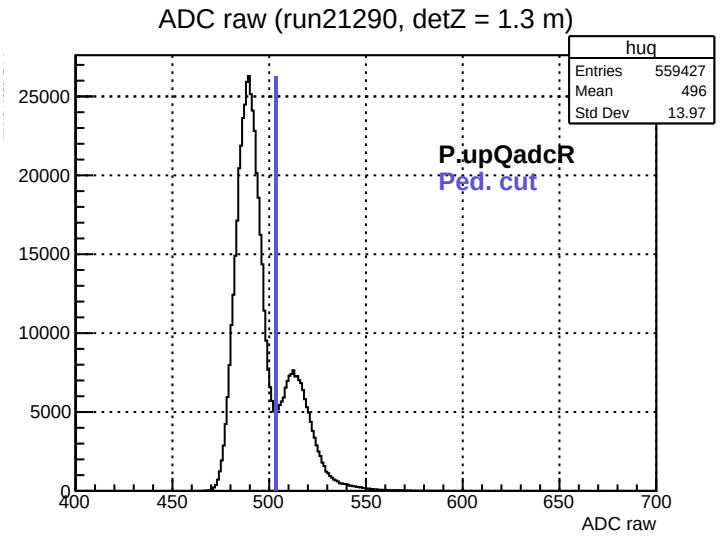

θlab (deg), xCut = -0.102 m
Theta
Entries 147799
Mean 4.771
Std Dev 0.484
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

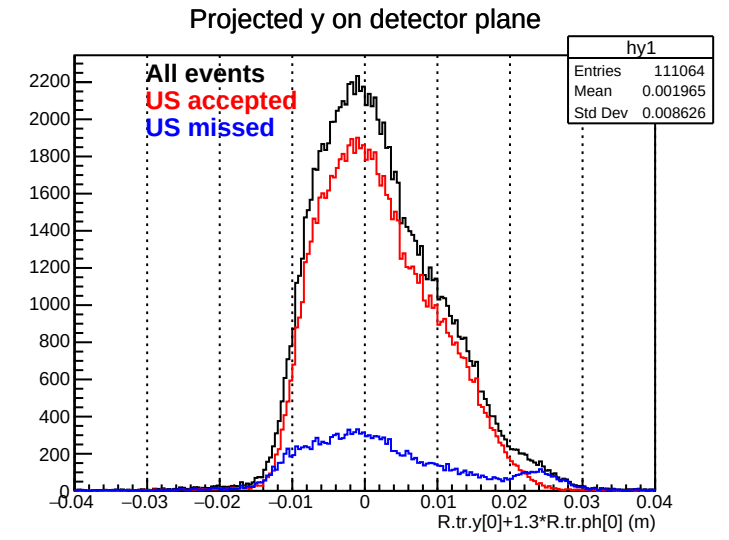

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 147799
Mean 0.5646
Std Dev 0.09158
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

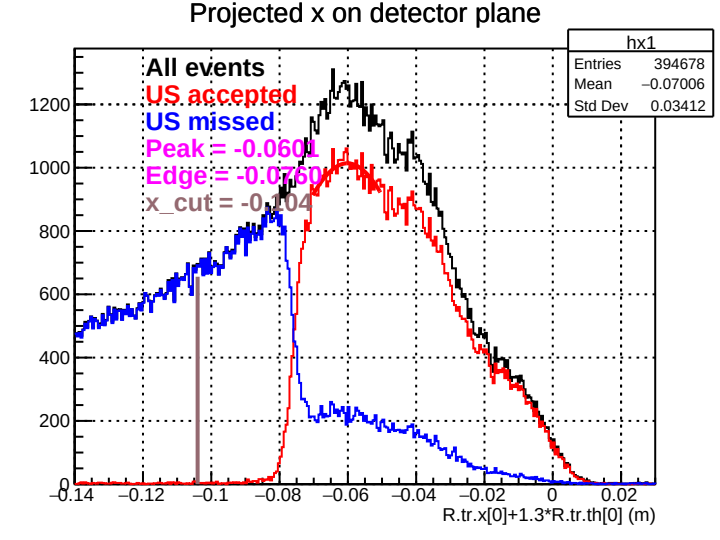

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 147799
Mean 0.5518
Std Dev 0.08761
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

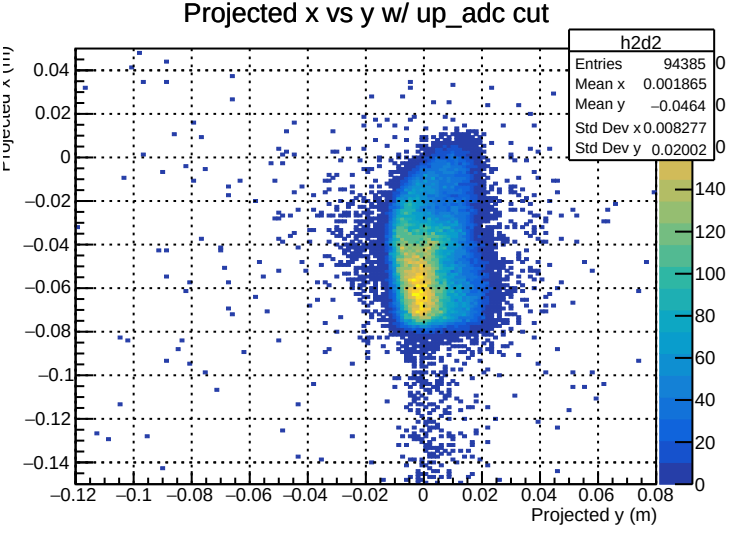

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 147799
Mean 0.006291
Std Dev 0.00131
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

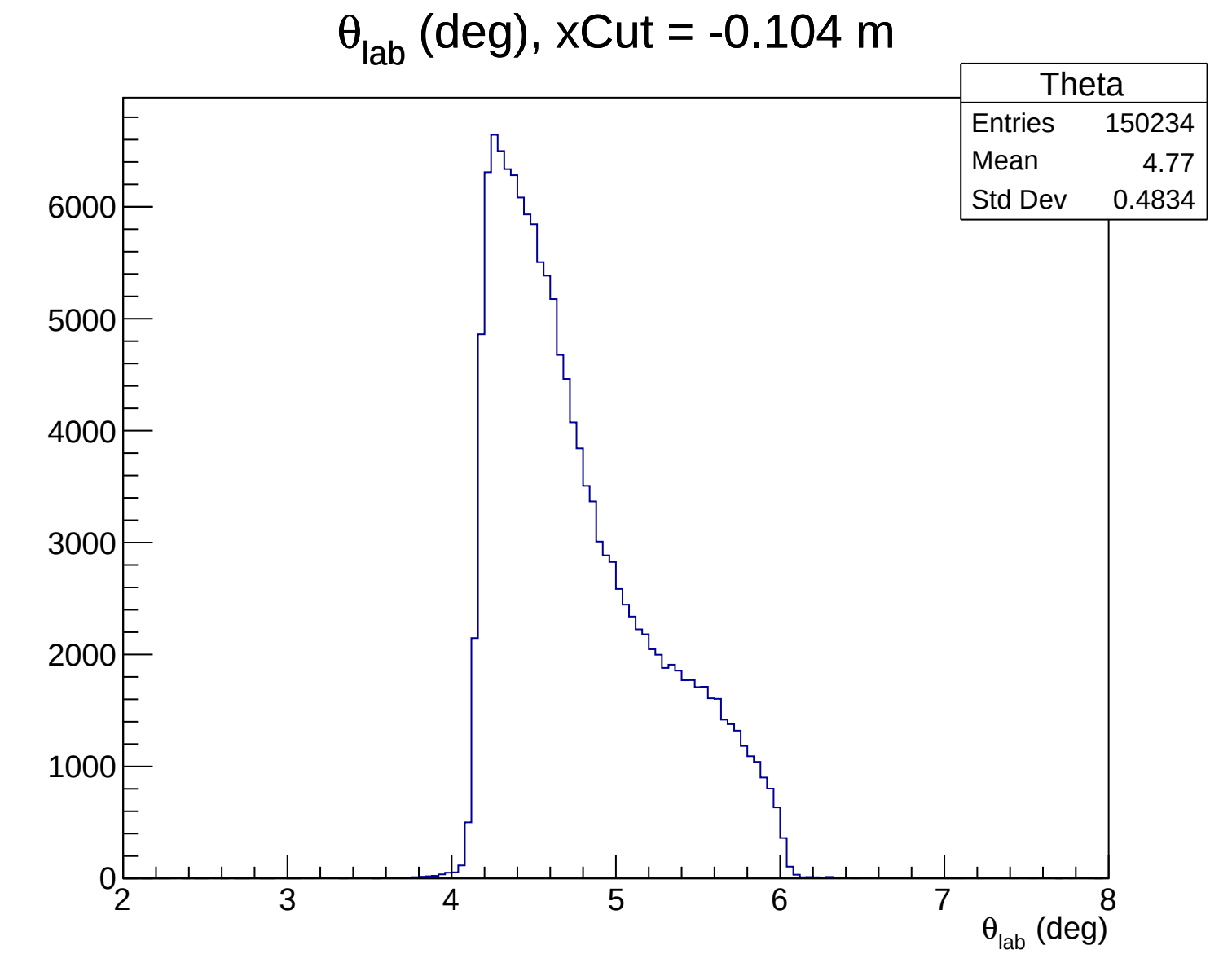

Sensitivity, xCut = -0.102 m
sens
Entries 147799
Mean 0.02207
Std Dev 0.004139
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

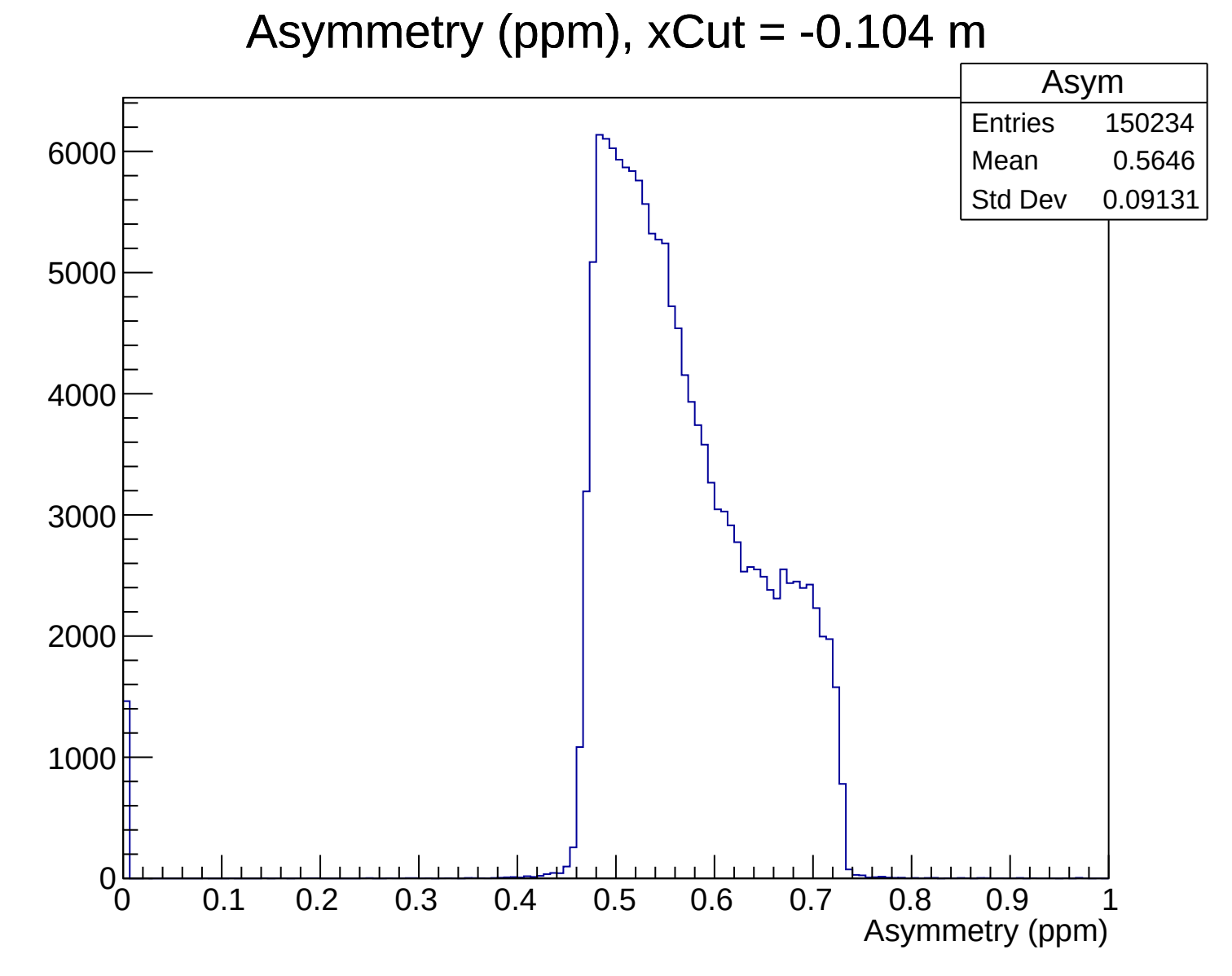

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

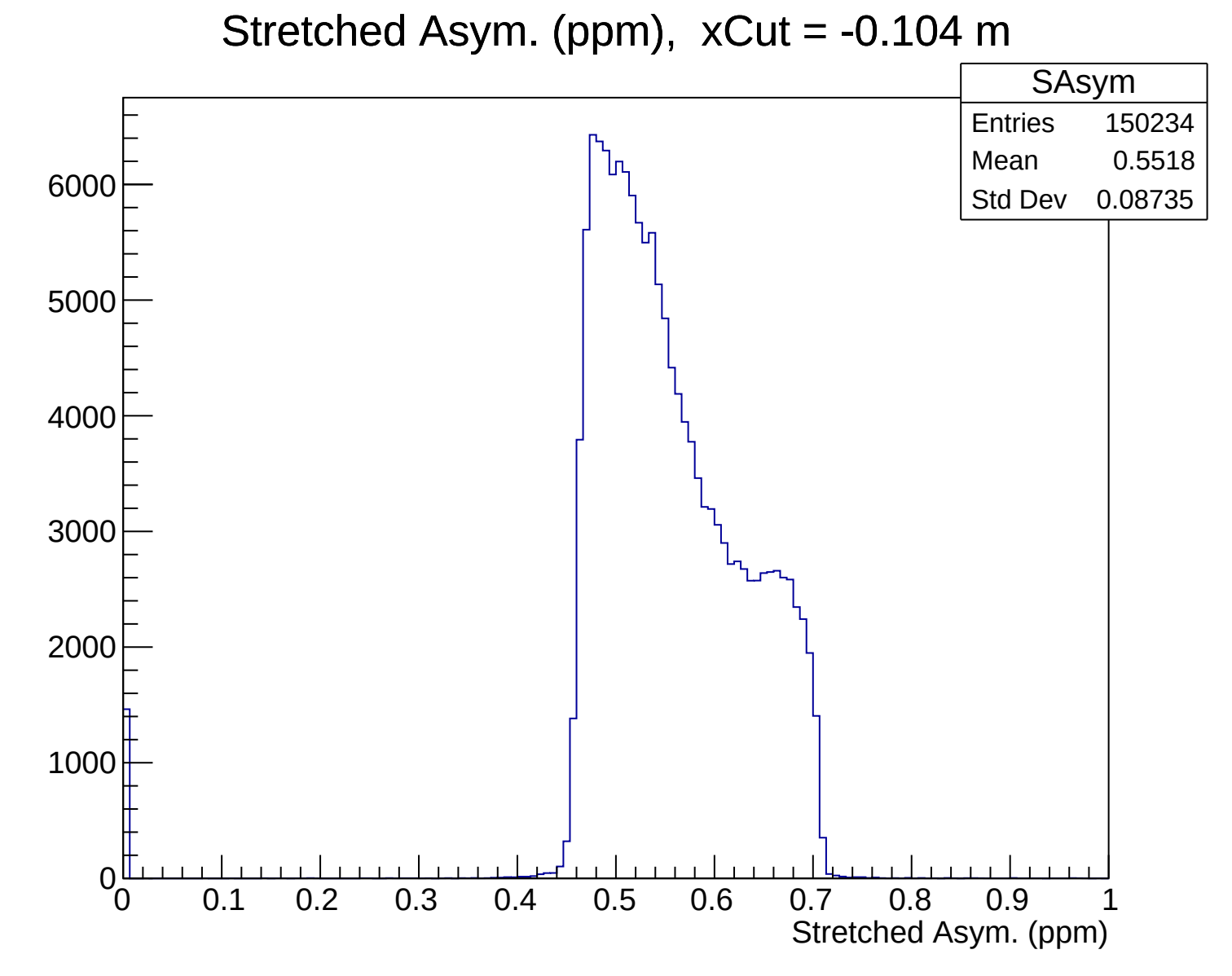

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

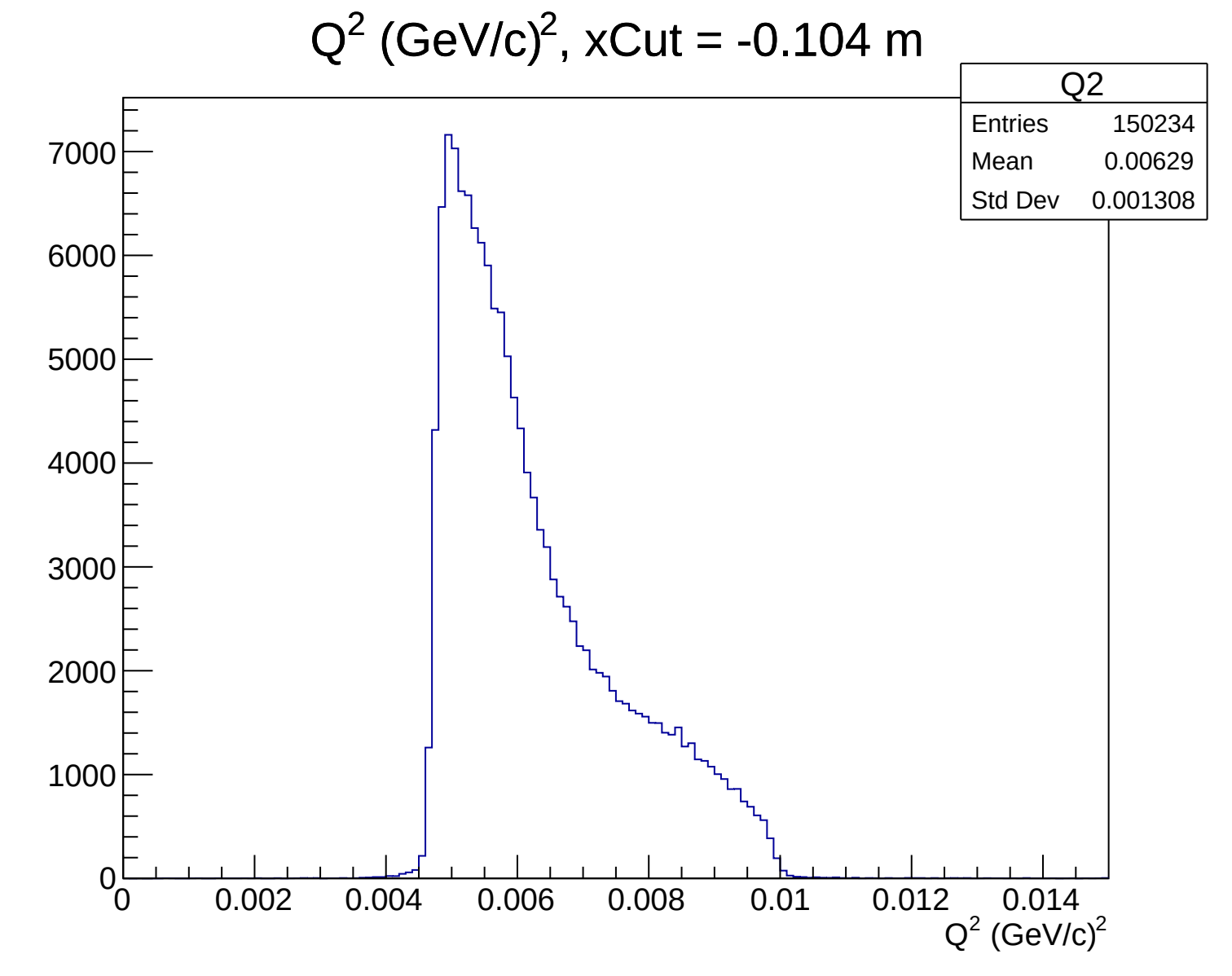

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.104
R.tr.x[0]+1.3*R.tr.th[0] (m)

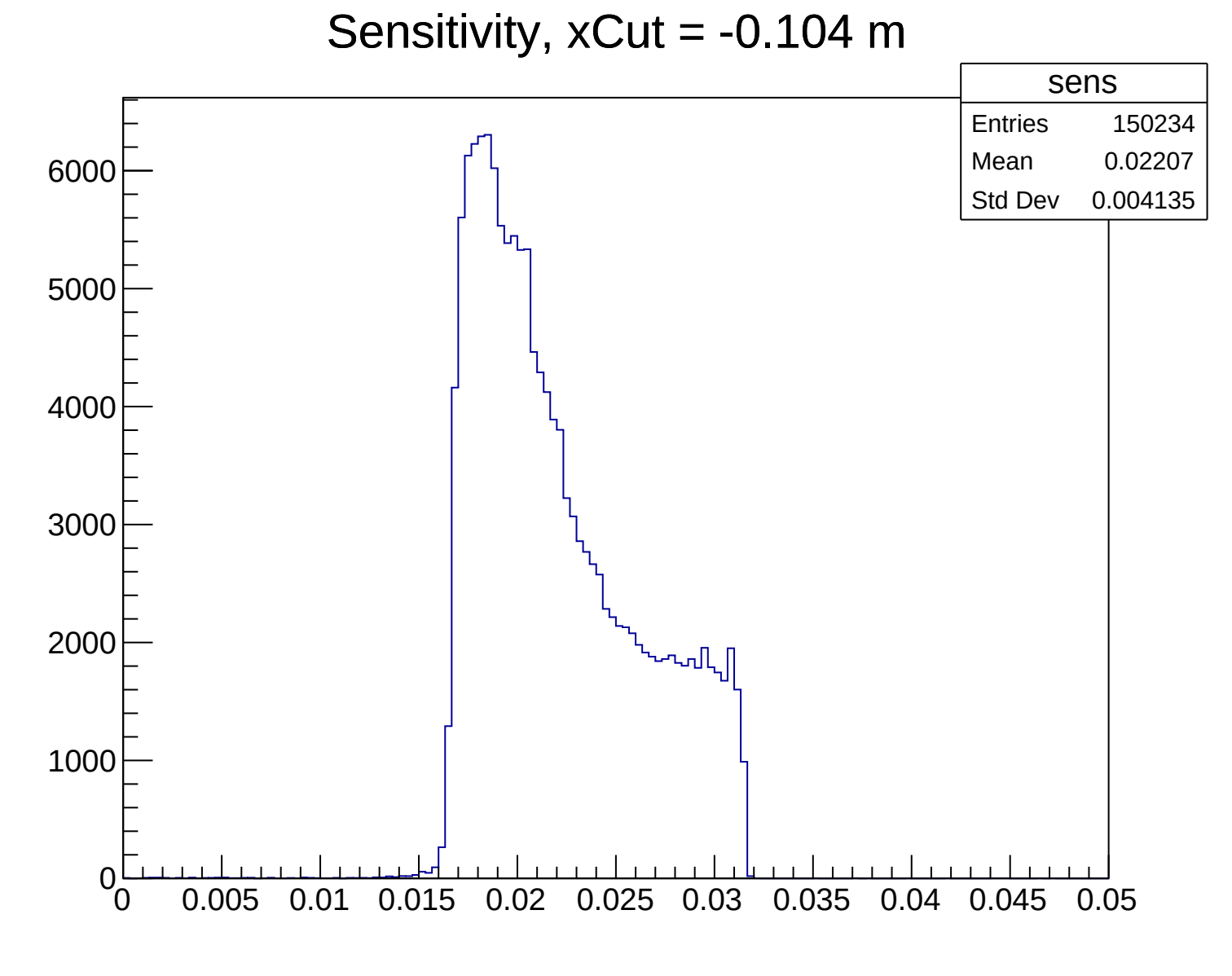

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

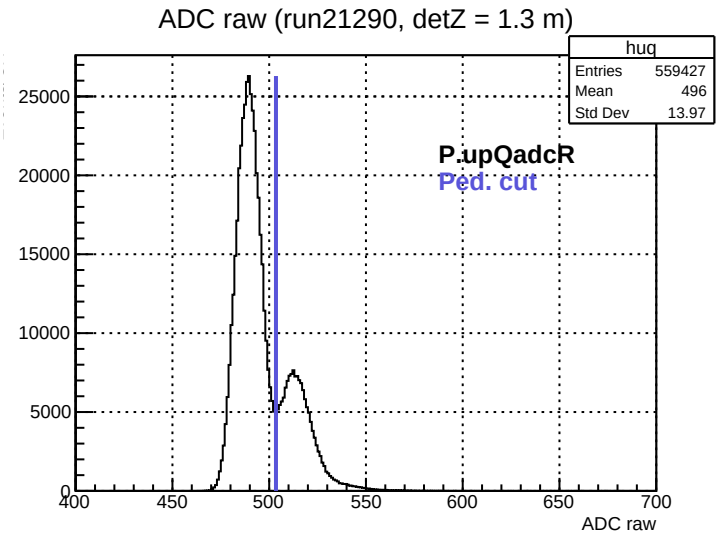

θlab (deg), xCut = -0.104 m
Theta
Entries 150234
Mean 4.77
Std Dev 0.4834
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

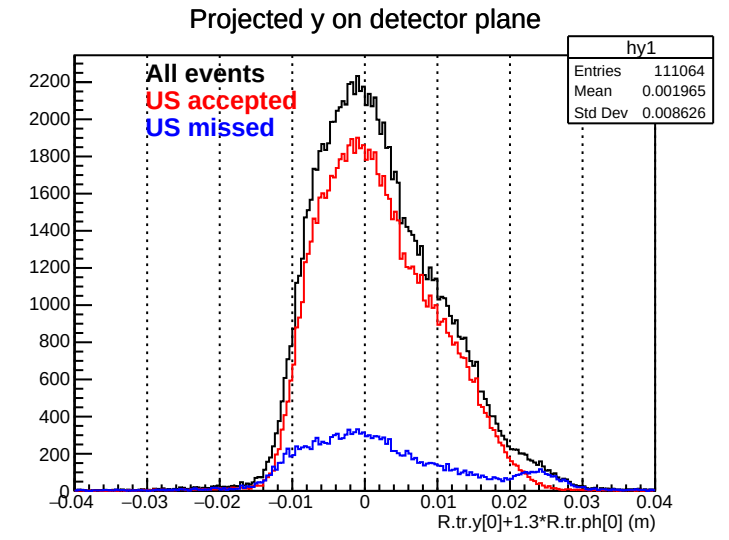

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 150234
Mean 0.5646
Std Dev 0.09131
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

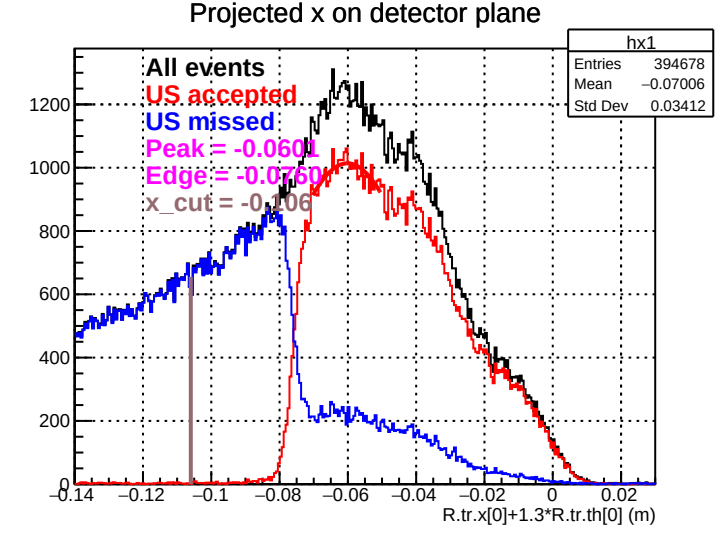

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 150234
Mean 0.5518
Std Dev 0.08735
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

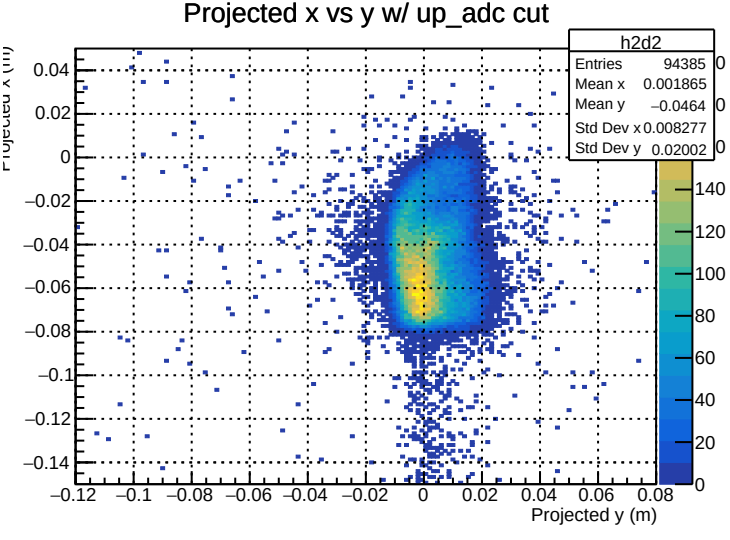

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 150234
Mean 0.00629
Std Dev 0.001308
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

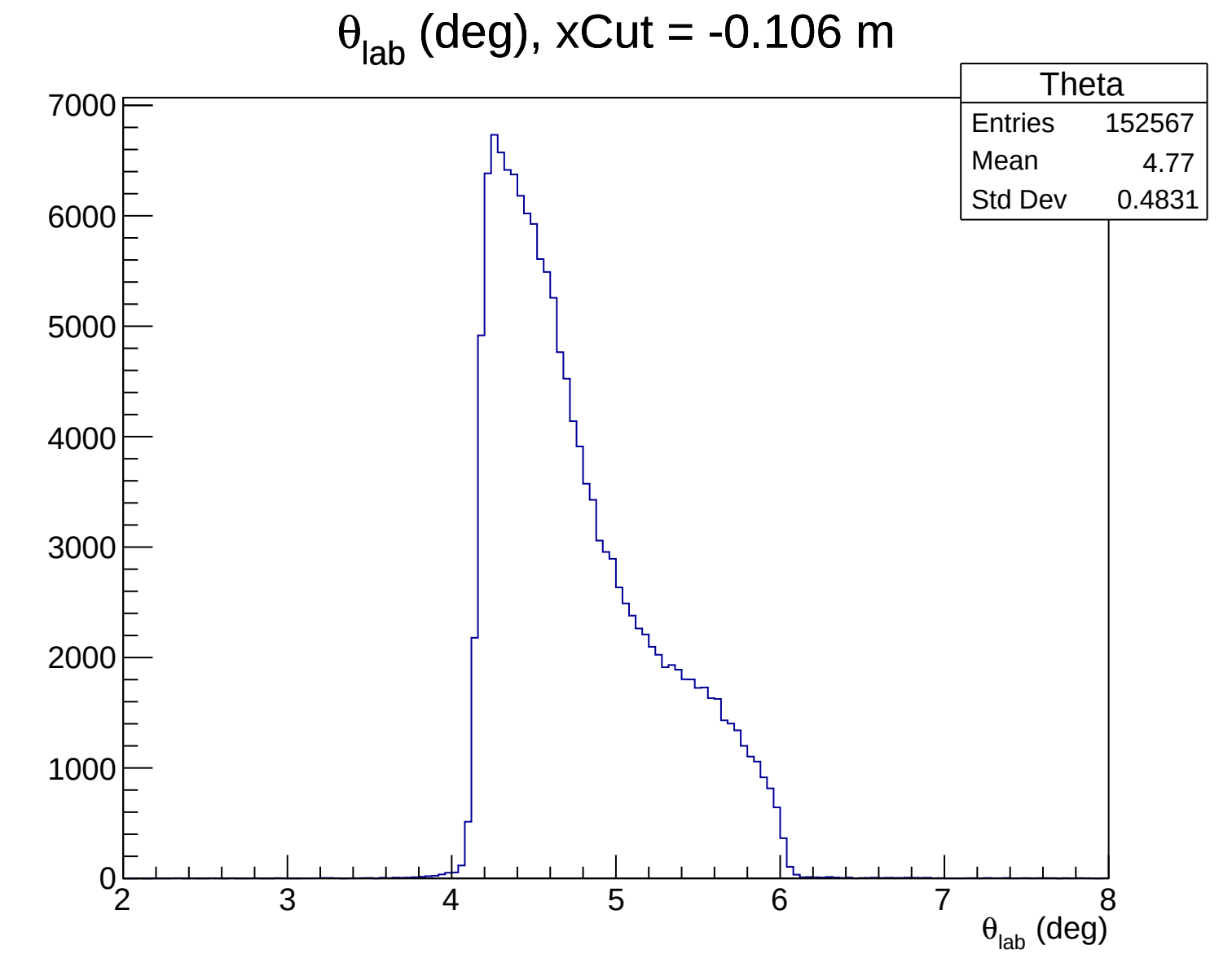

Sensitivity, xCut = -0.104 m
sens
Entries 150234
Mean 0.02207
Std Dev 0.004135
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

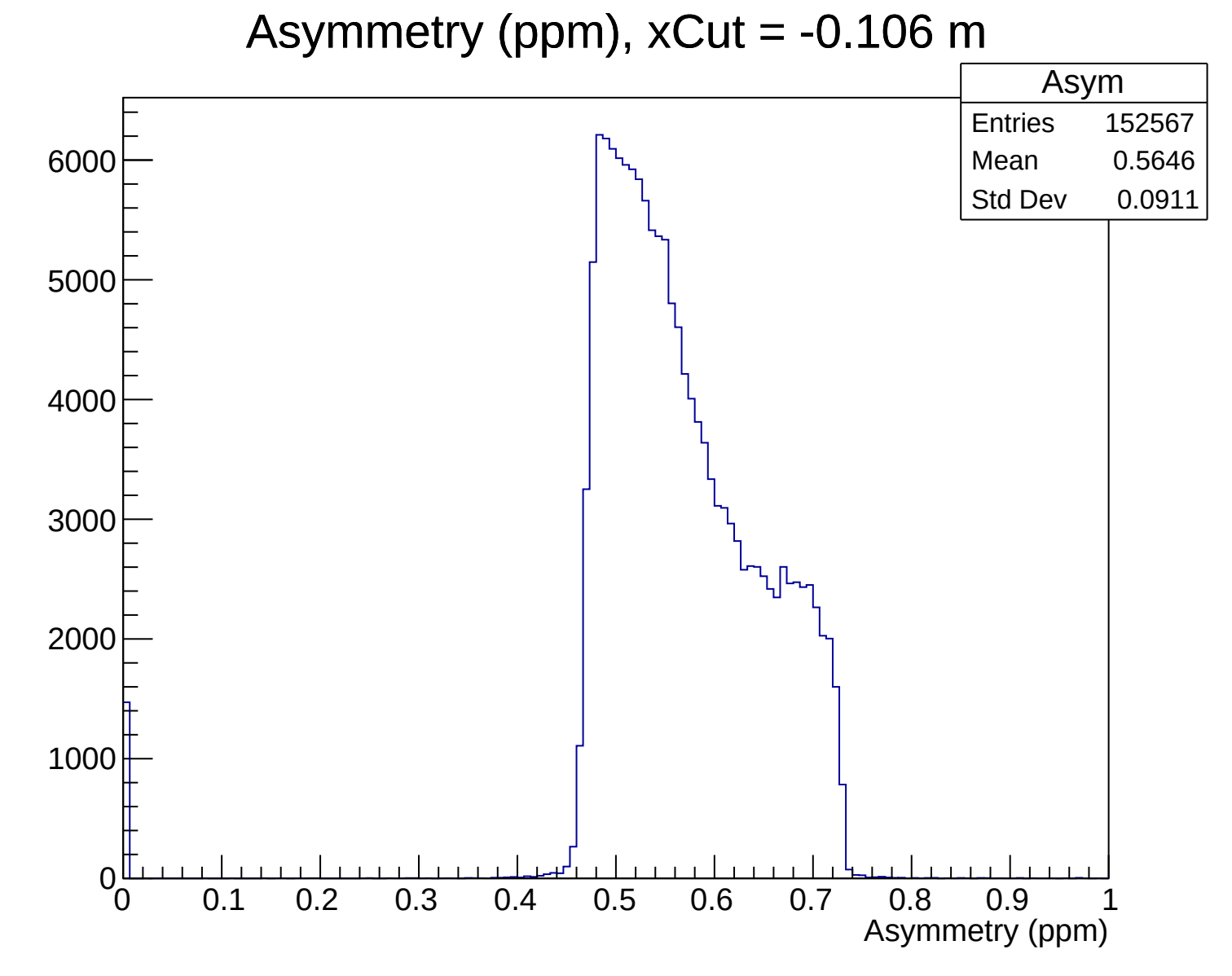

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

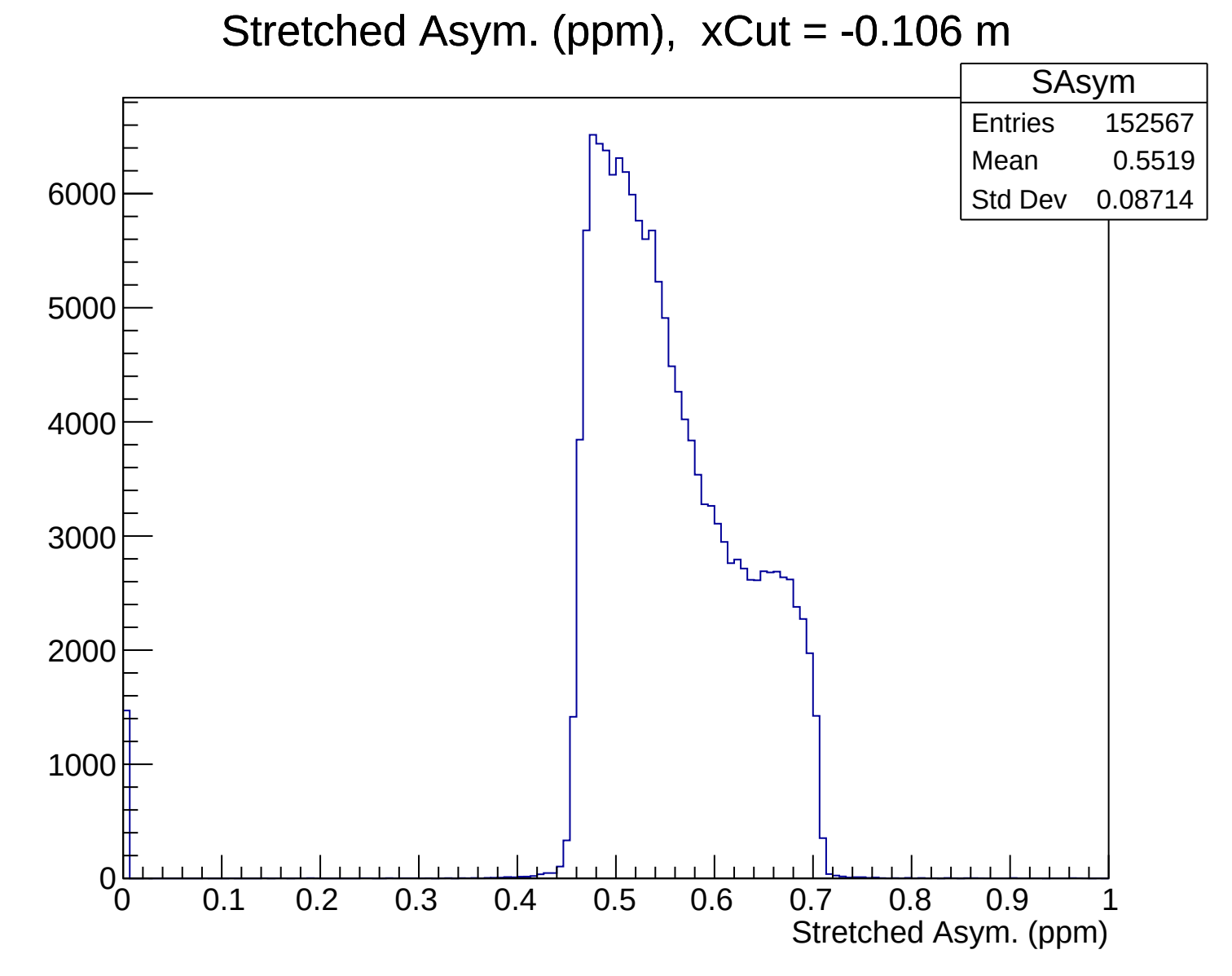

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

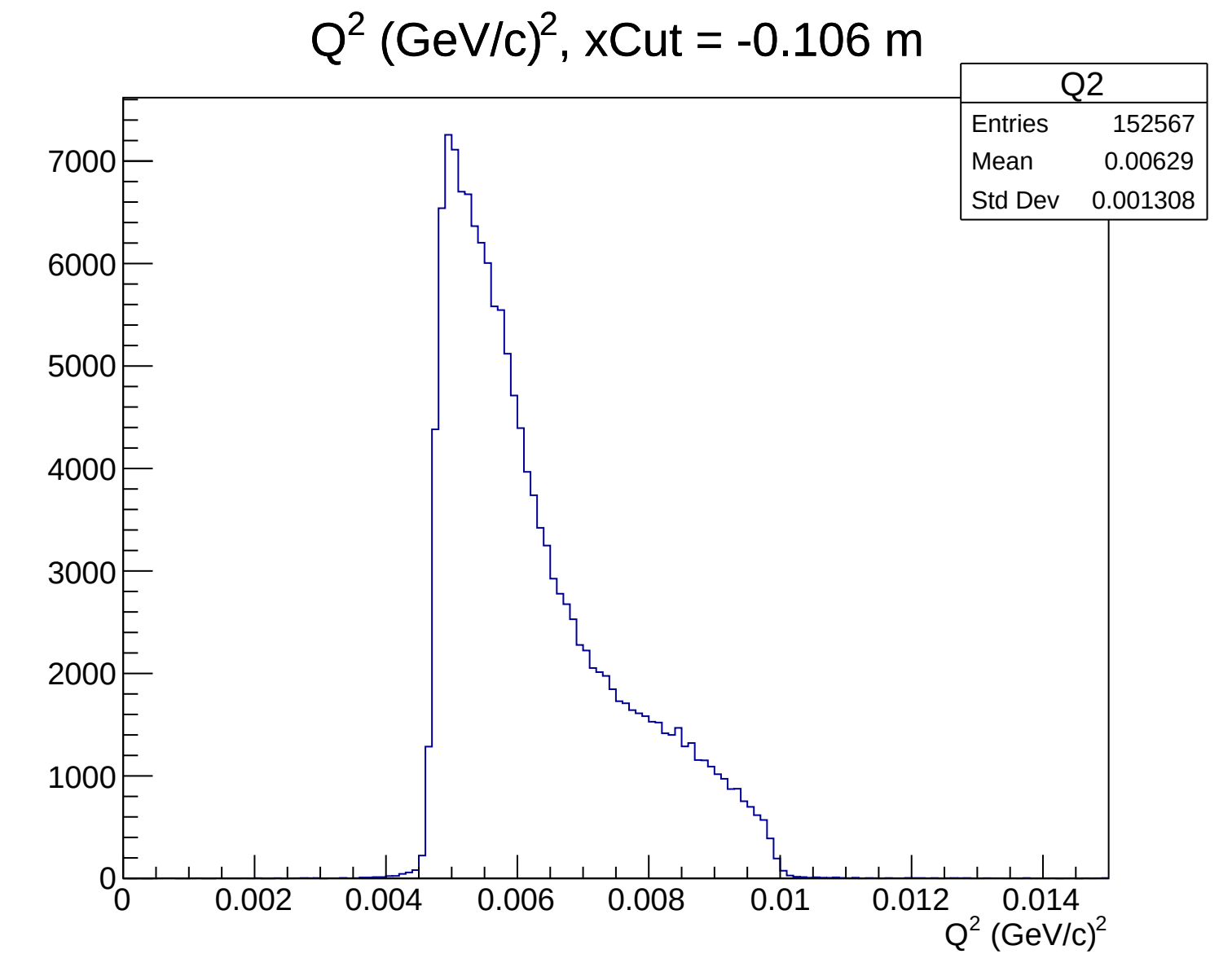

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.106
R.tr.x[0]+1.3*R.tr.th[0] (m)

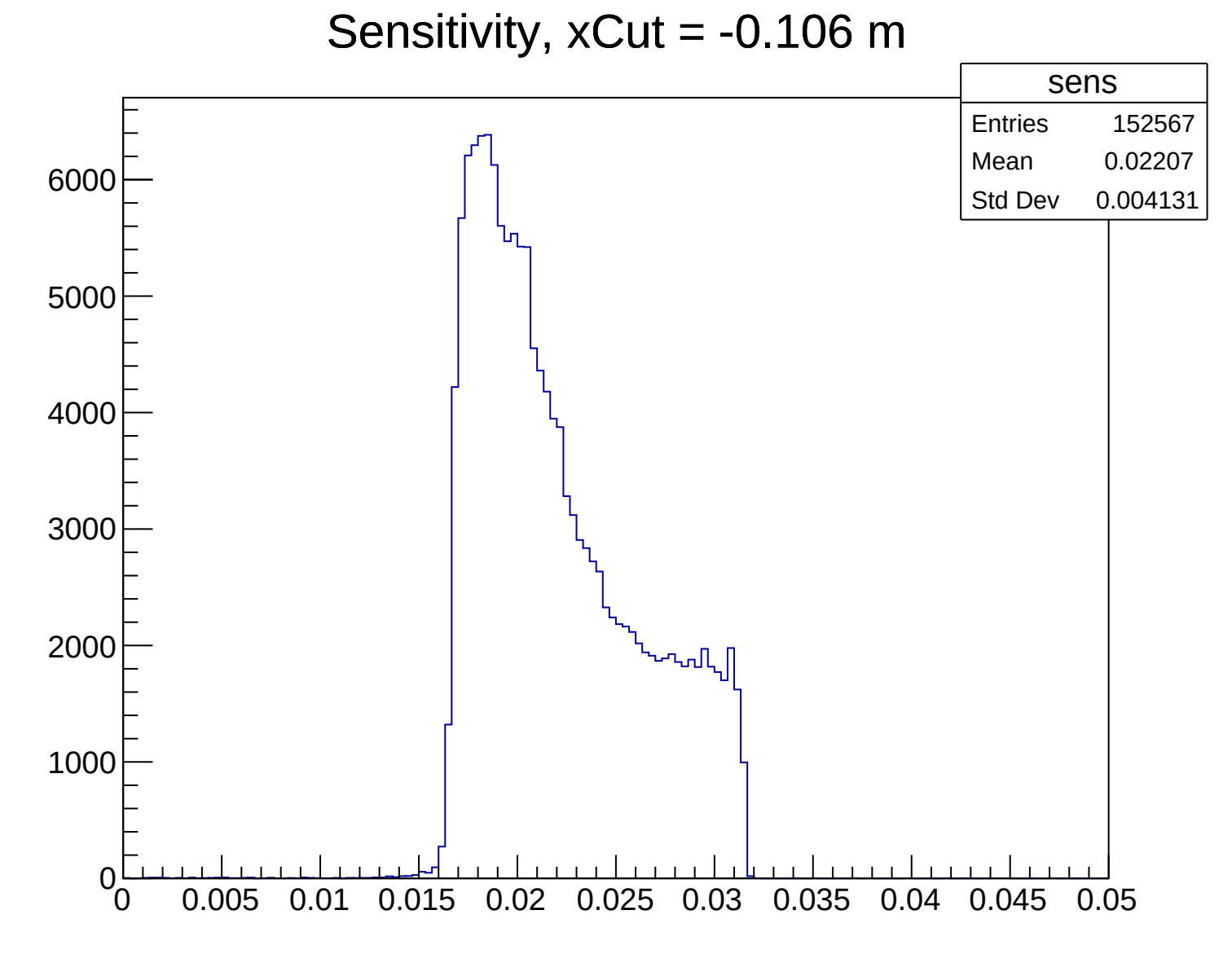

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

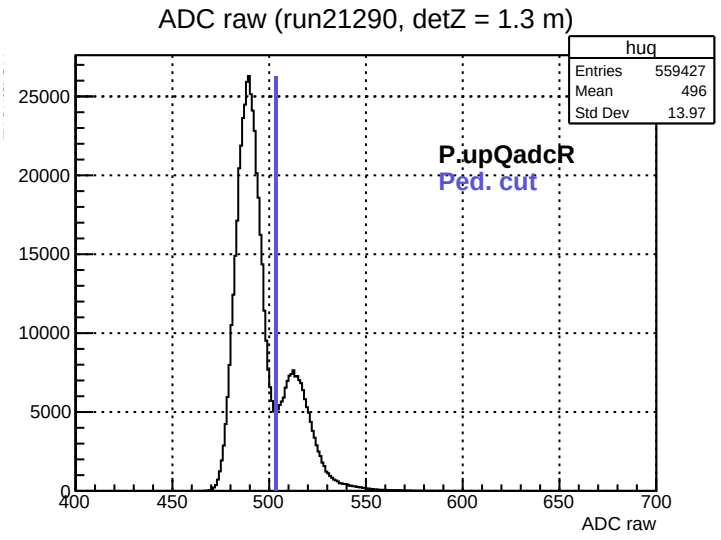

θlab (deg), xCut = -0.106 m
Theta
Entries 152567
Mean 4.77
Std Dev 0.4831
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

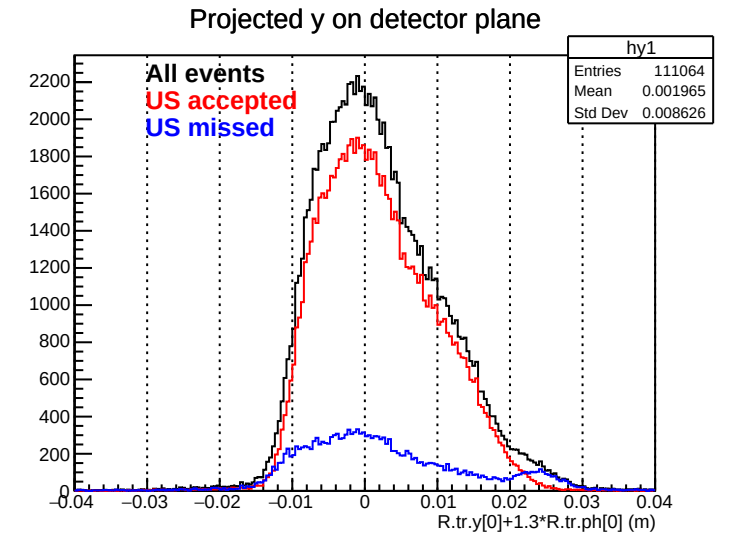

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 152567
Mean 0.5646
Std Dev 0.0911
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

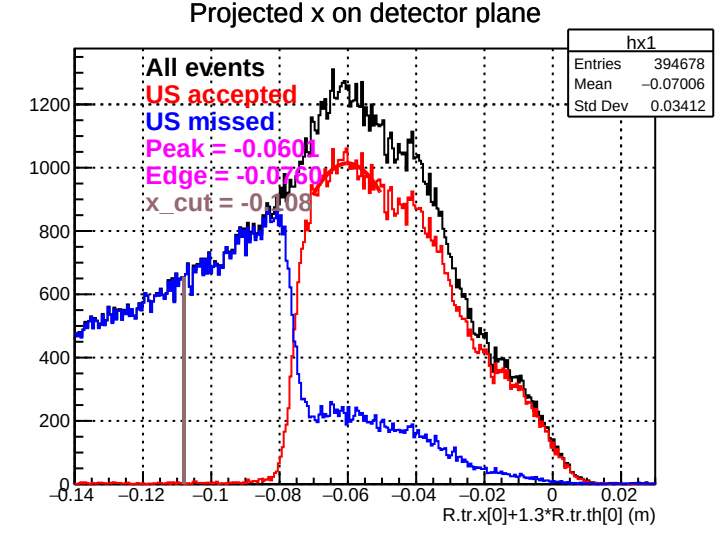

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 152567
Mean 0.5519
Std Dev 0.08714
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

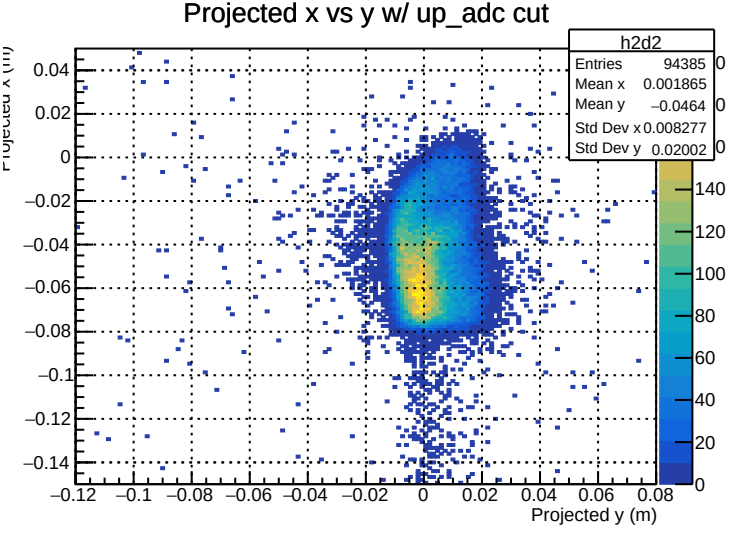

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 152567
Mean 0.00629
Std Dev 0.001308
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

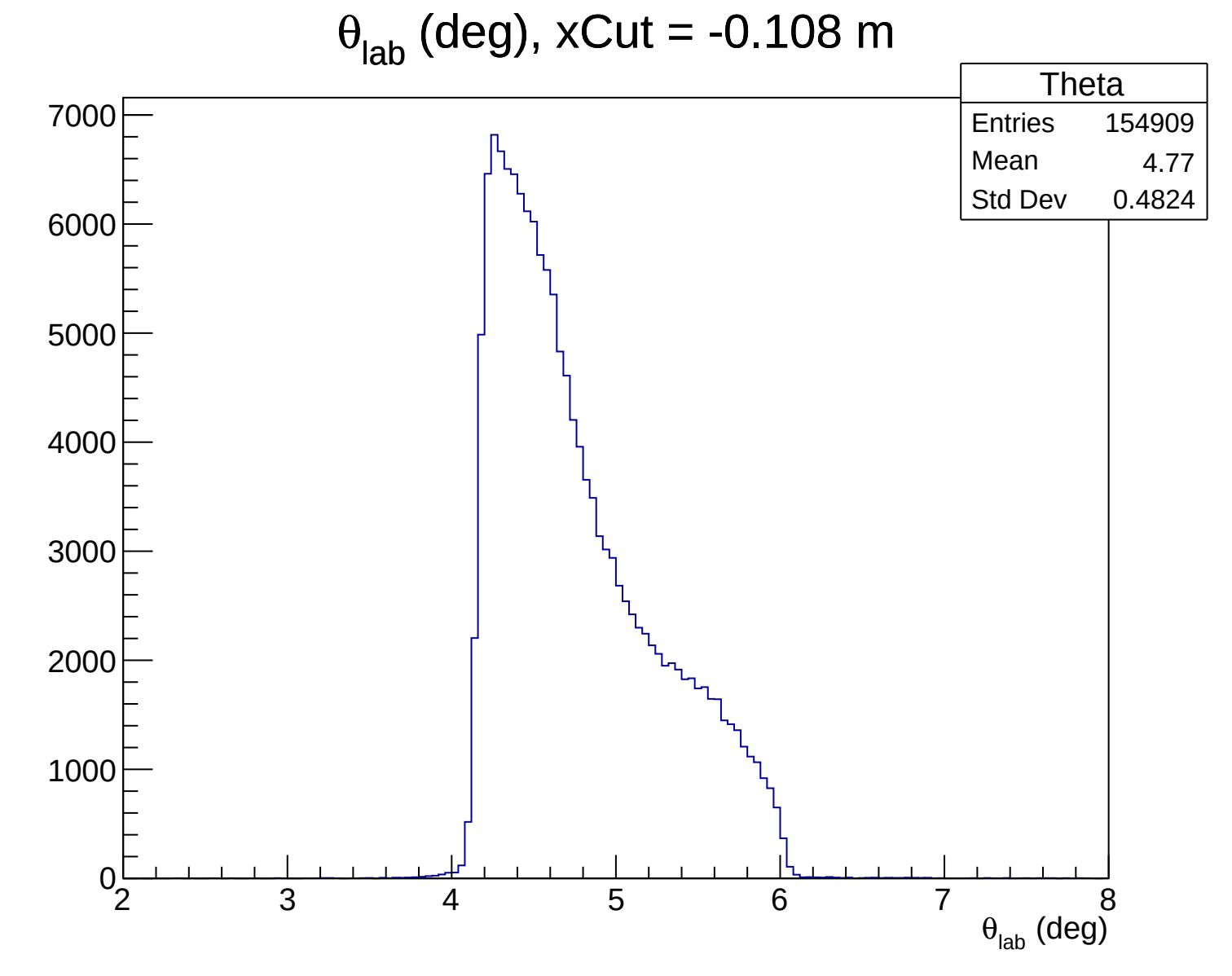

Sensitivity, xCut = -0.106 m
sens
Entries 152567
Mean 0.02207
Std Dev 0.004131
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

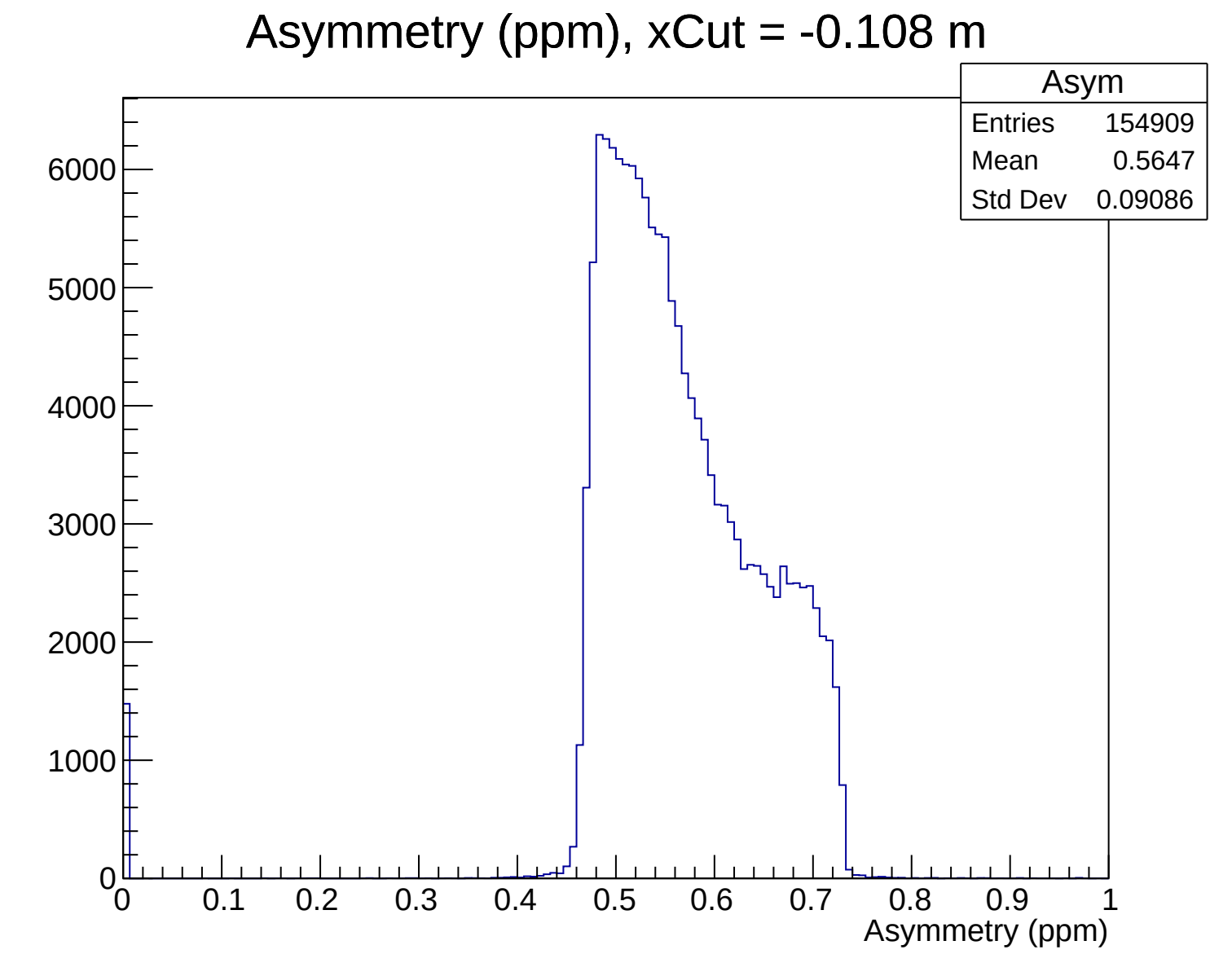

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

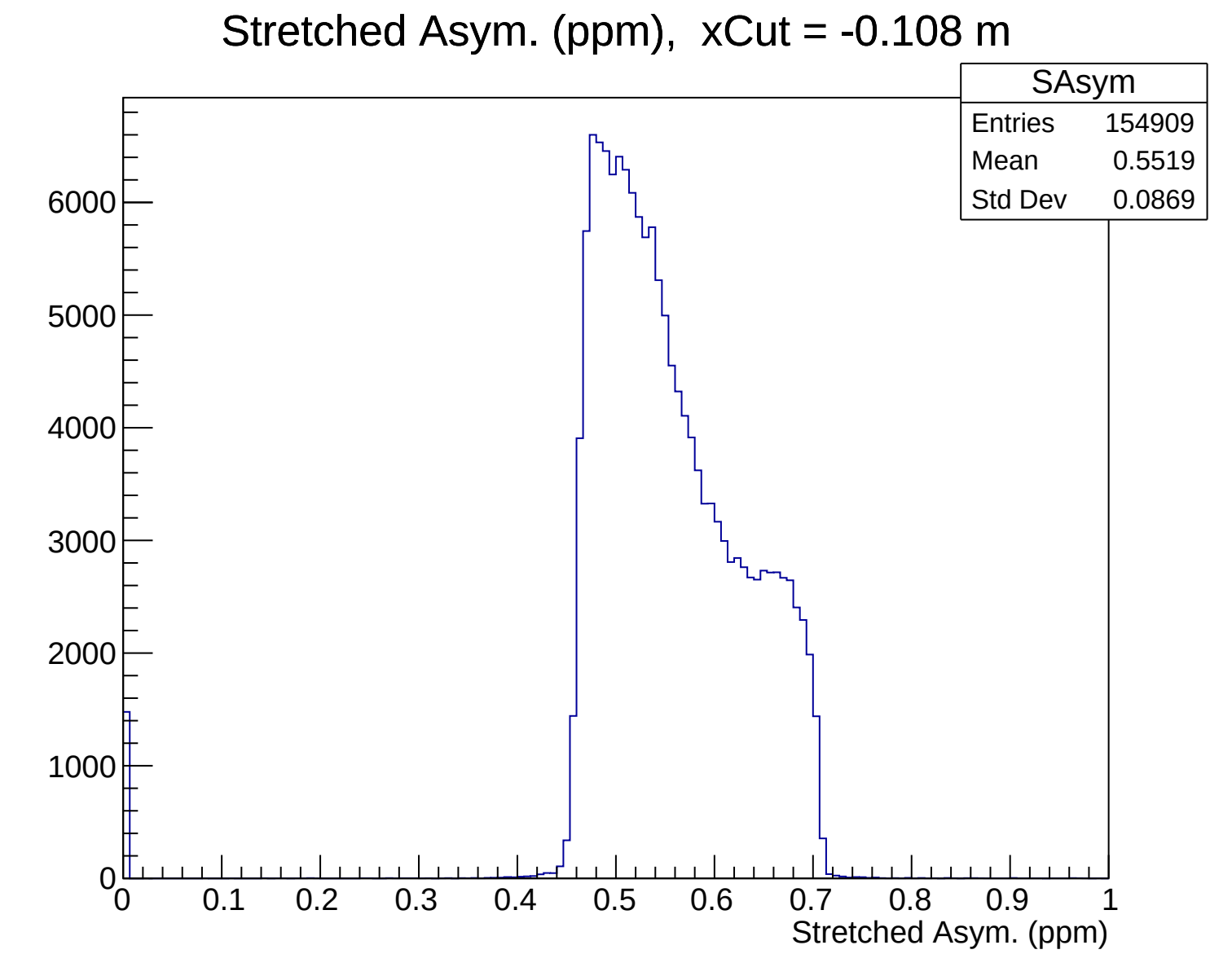

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

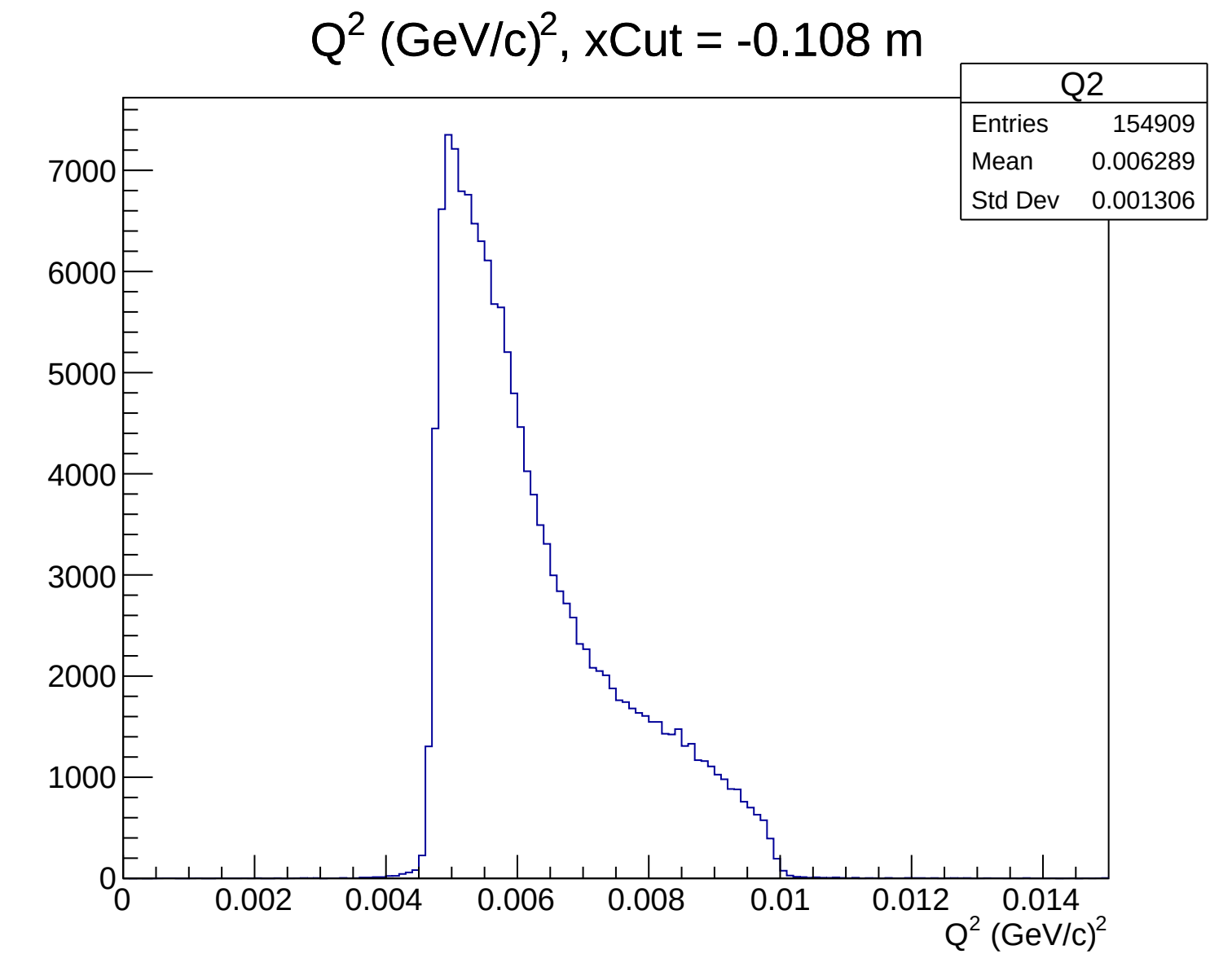

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.108
R.tr.x[0]+1.3*R.tr.th[0] (m)

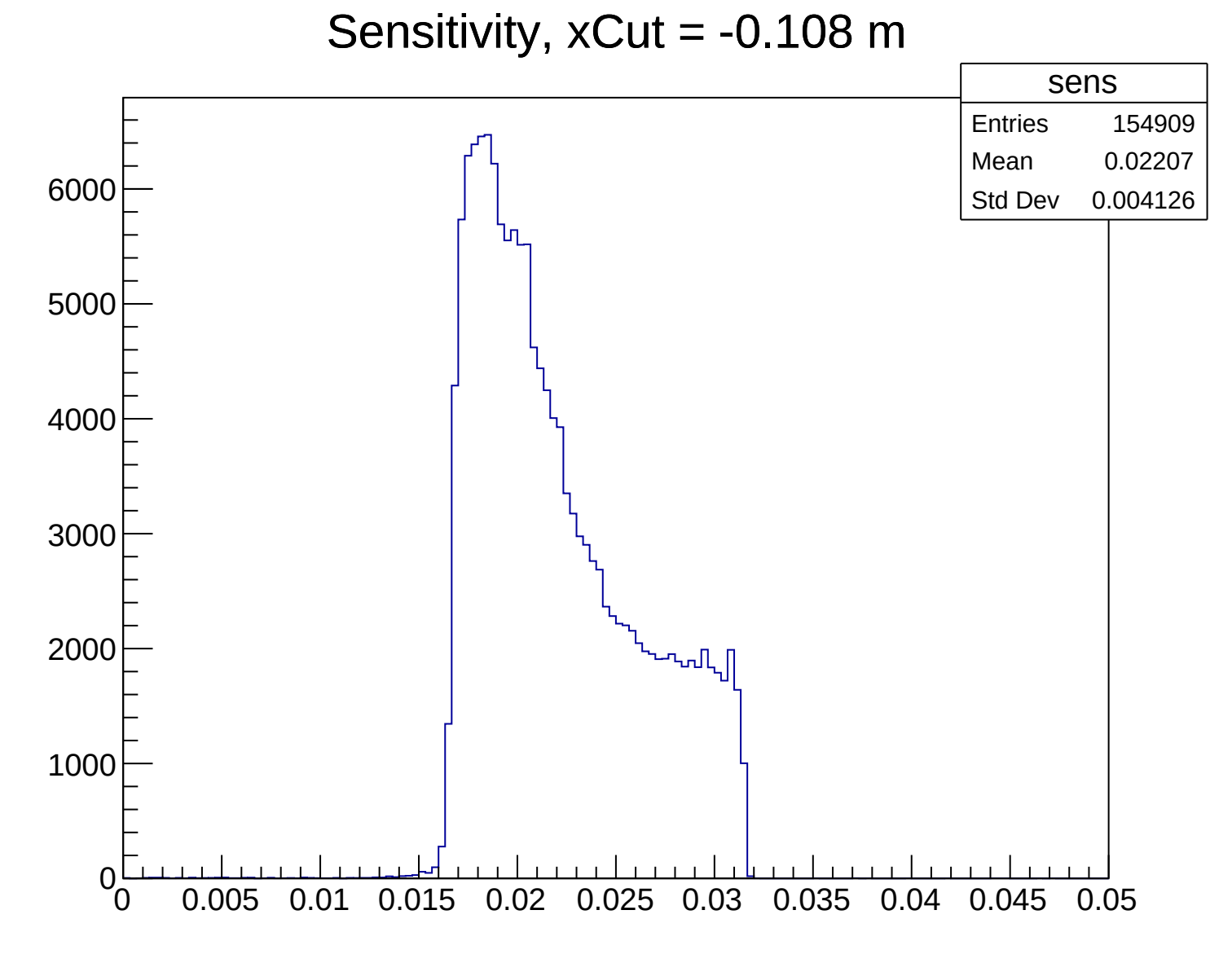

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

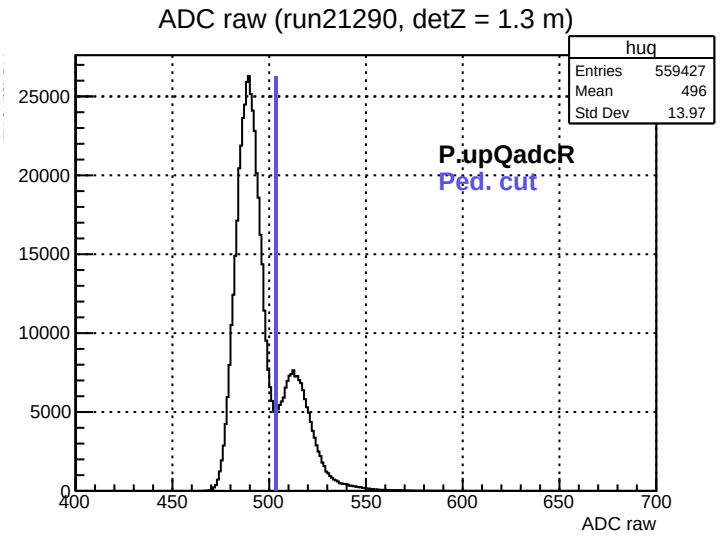

θlab (deg), xCut = -0.108 m
Theta
Entries 154909
Mean 4.77
Std Dev 0.4824
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

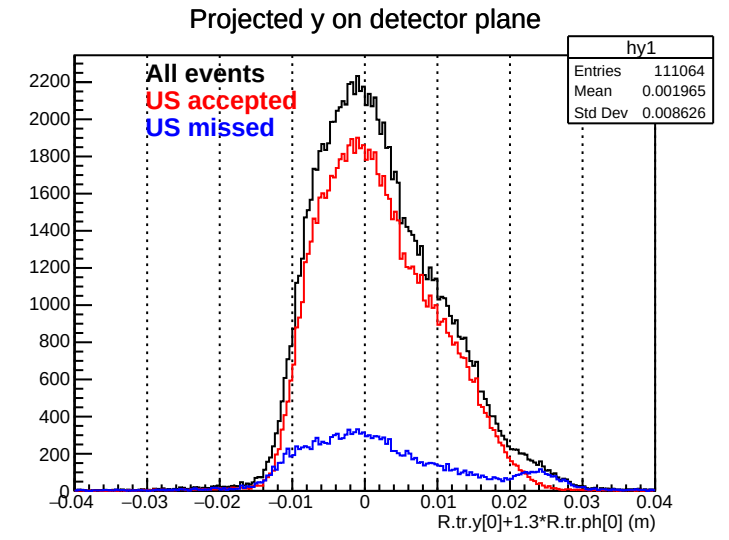

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 154909
Mean 0.5647
Std Dev 0.09086
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

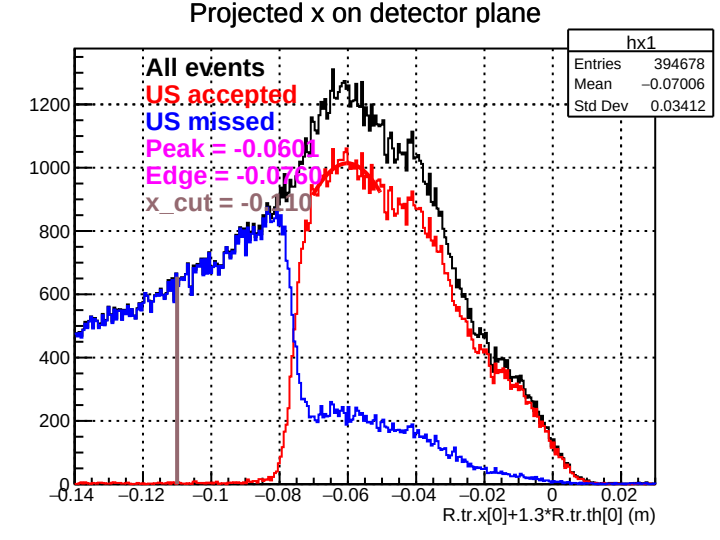

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 154909
Mean 0.5519
Std Dev 0.0869
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

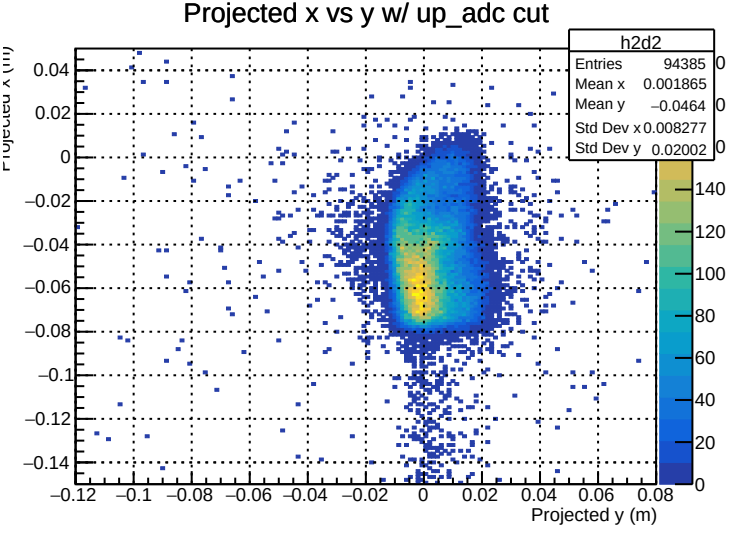

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 154909
Mean 0.006289
Std Dev 0.001306
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

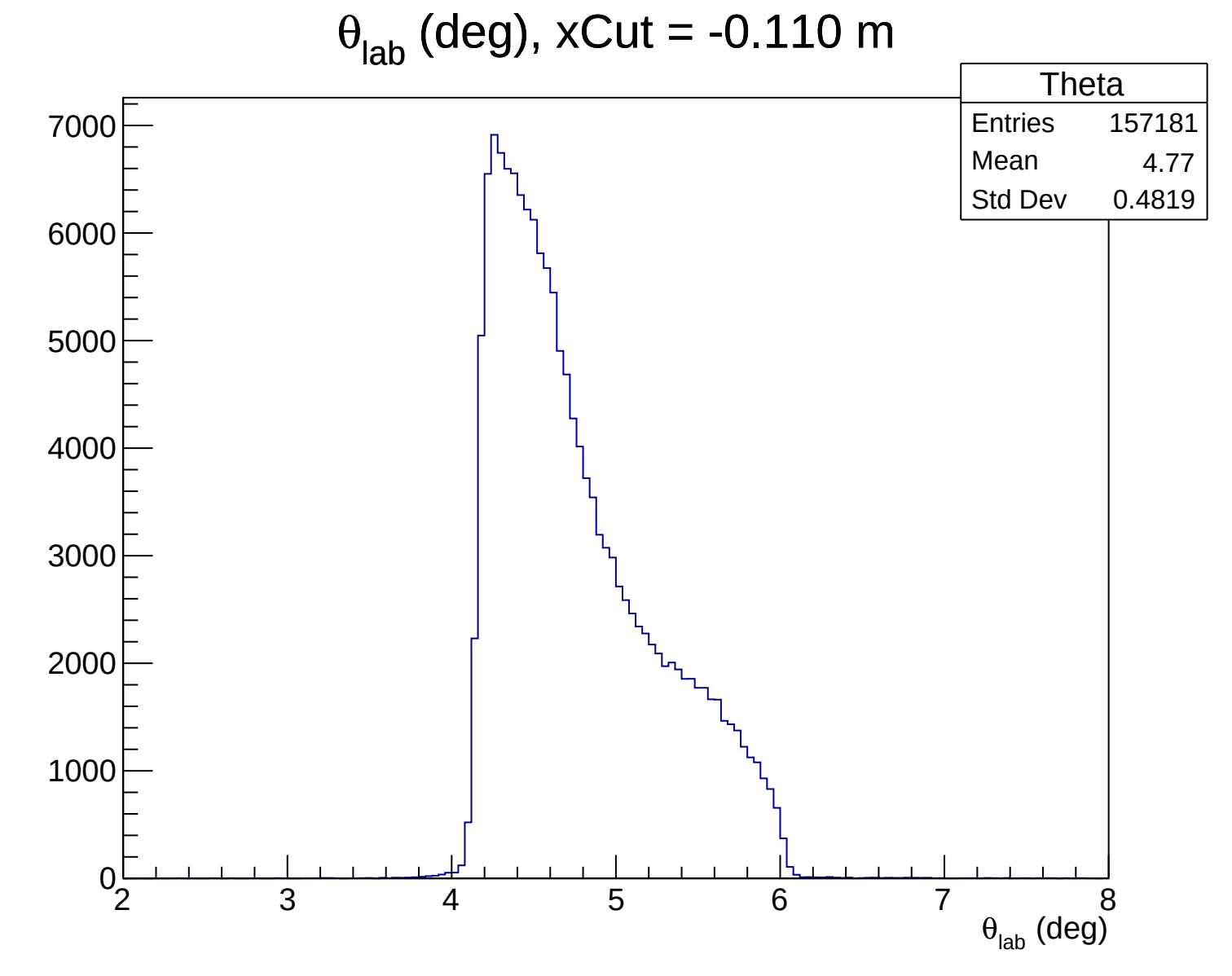

Sensitivity, xCut = -0.108 m
sens
Entries 154909
Mean 0.02207
Std Dev 0.004126
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

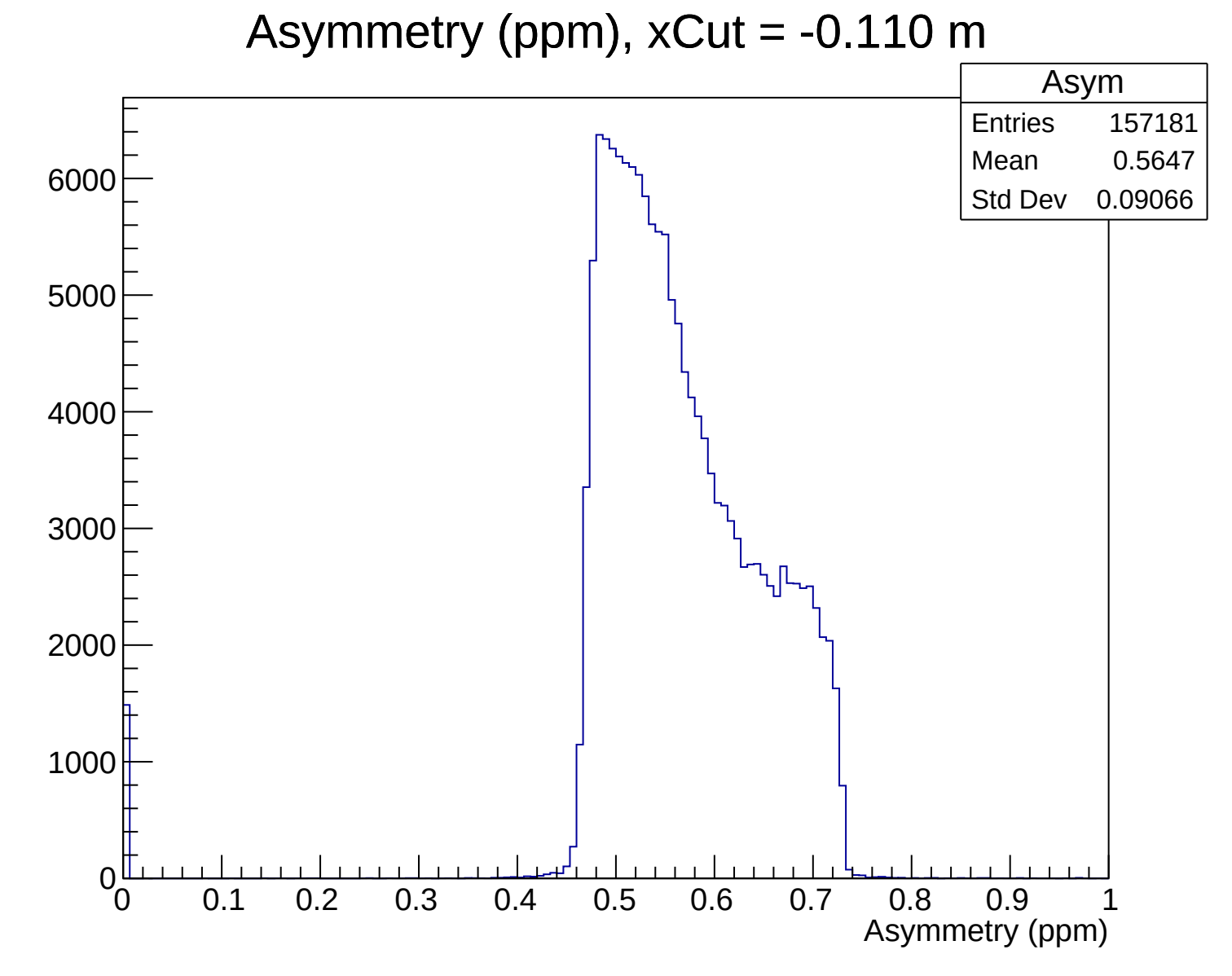

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

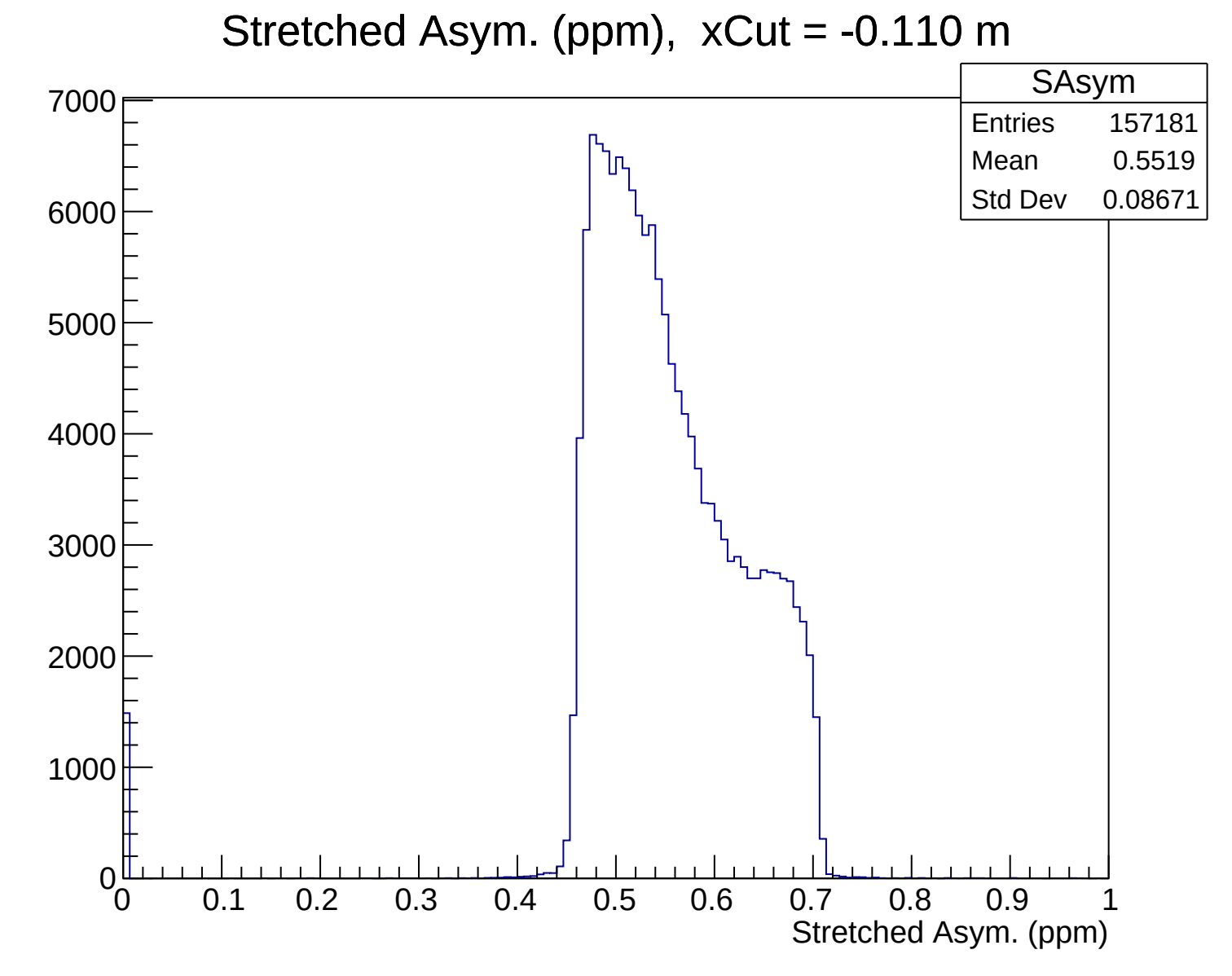

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

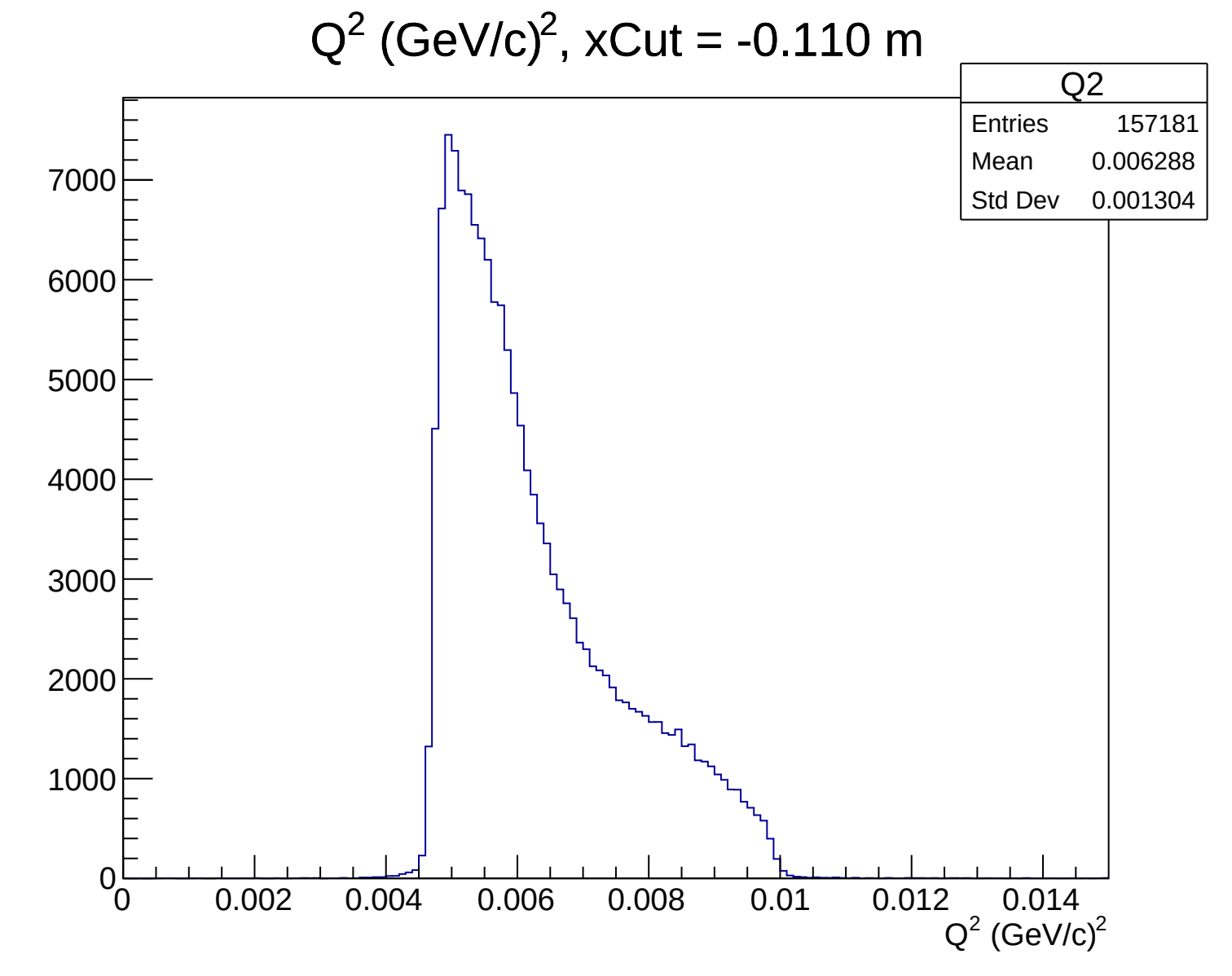

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.110
R.tr.x[0]+1.3*R.tr.th[0] (m)

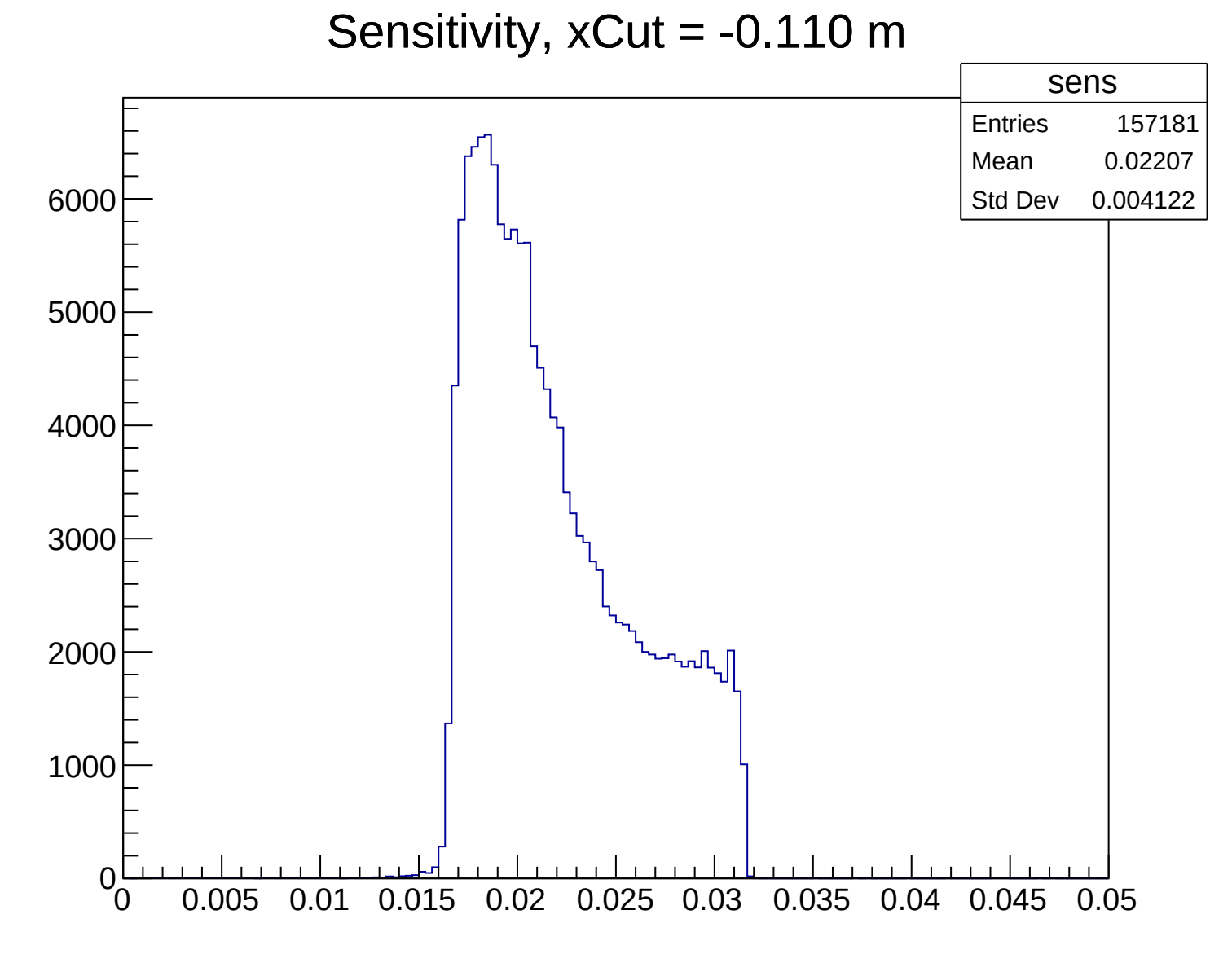

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

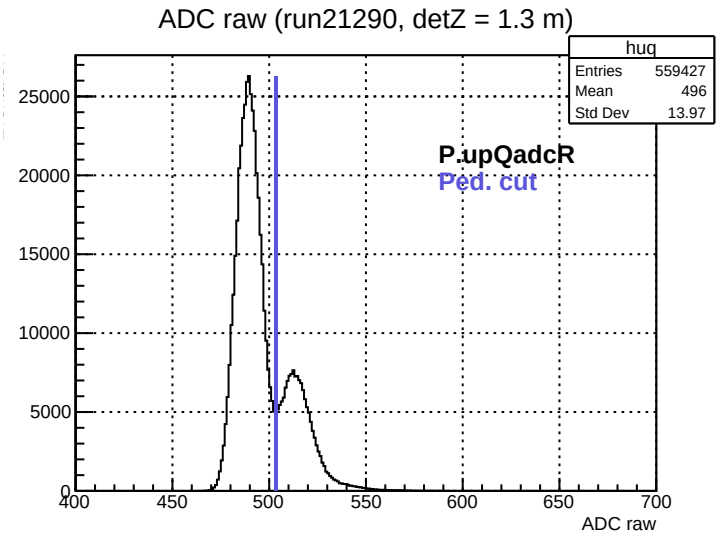

θlab (deg), xCut = -0.110 m
Theta
Entries 157181
Mean 4.77
Std Dev 0.4819
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

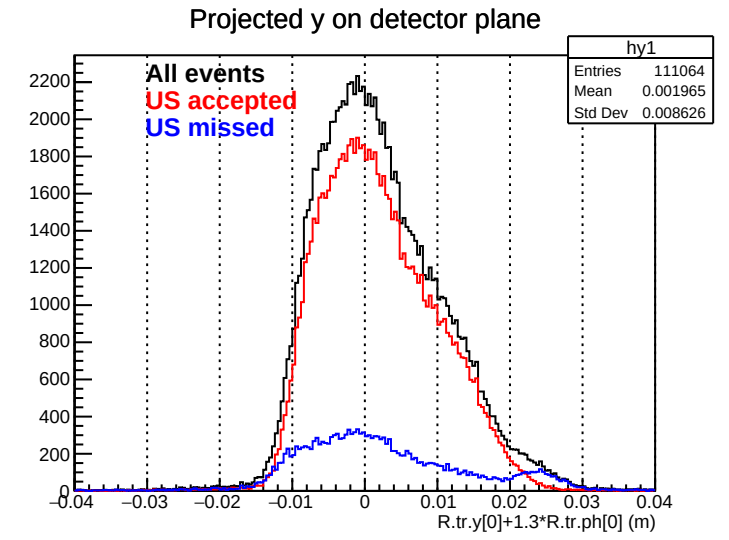

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 157181
Mean 0.5647
Std Dev 0.09066
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

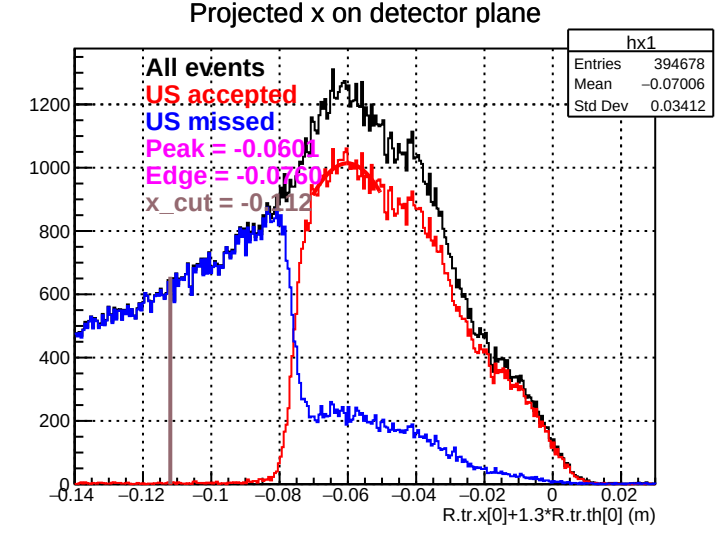

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 157181
Mean 0.5519
Std Dev 0.08671
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

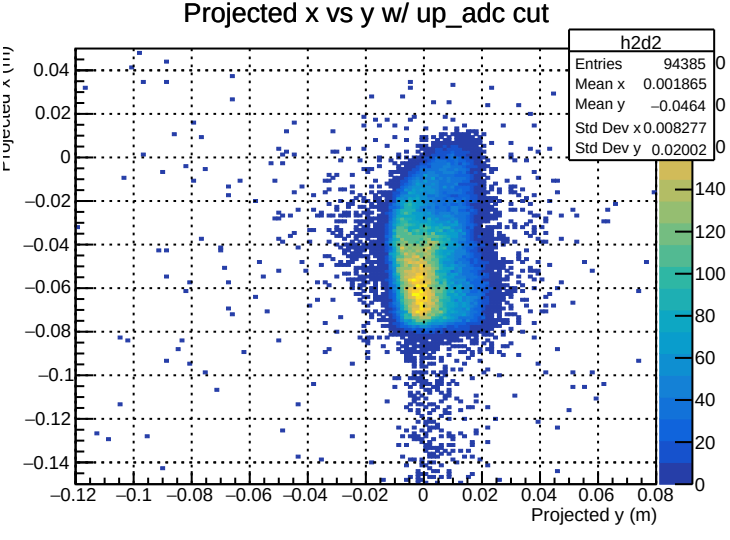

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 157181
Mean 0.006288
Std Dev 0.001304
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

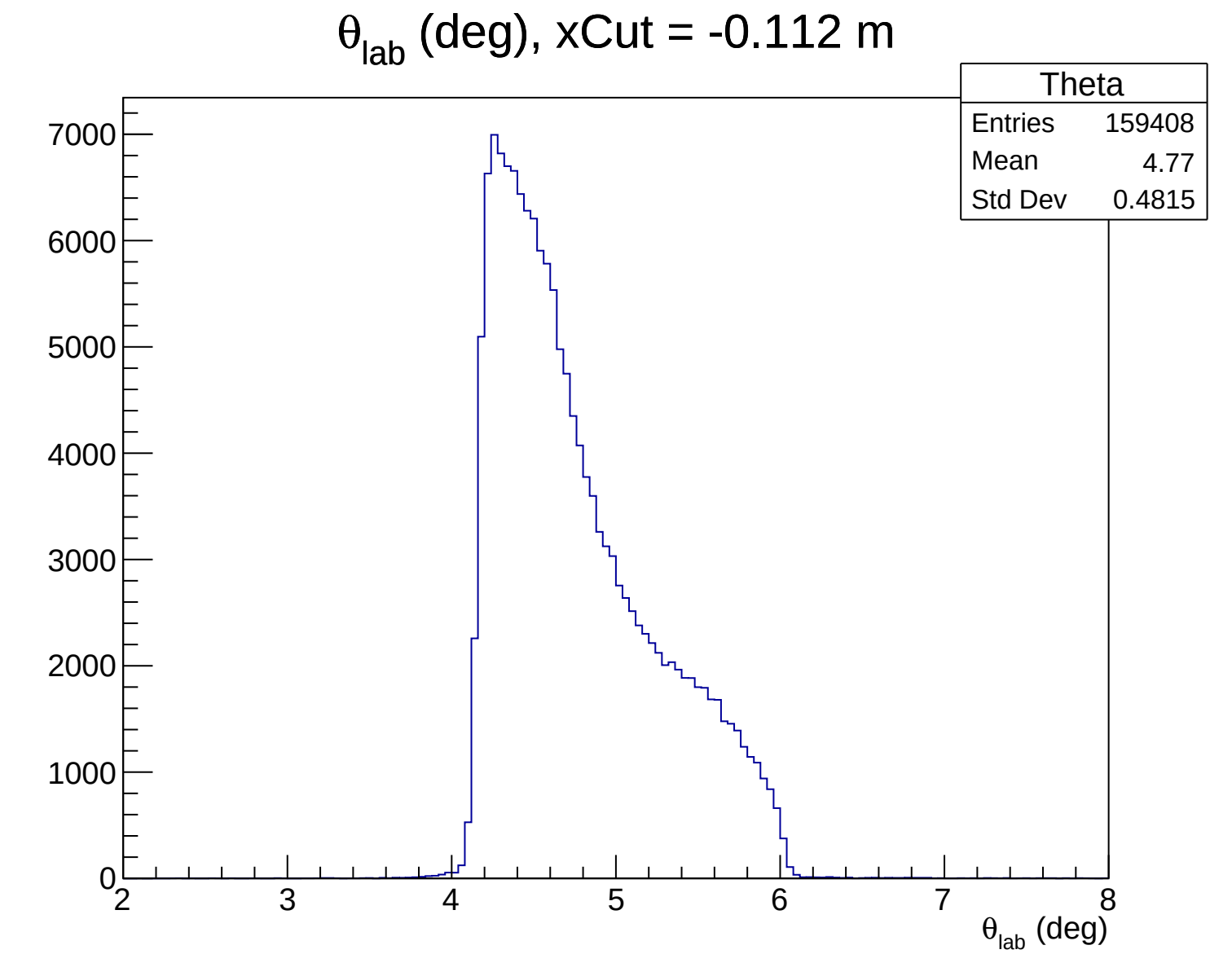

Sensitivity, xCut = -0.110 m
sens
Entries 157181
Mean 0.02207
Std Dev 0.004122
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

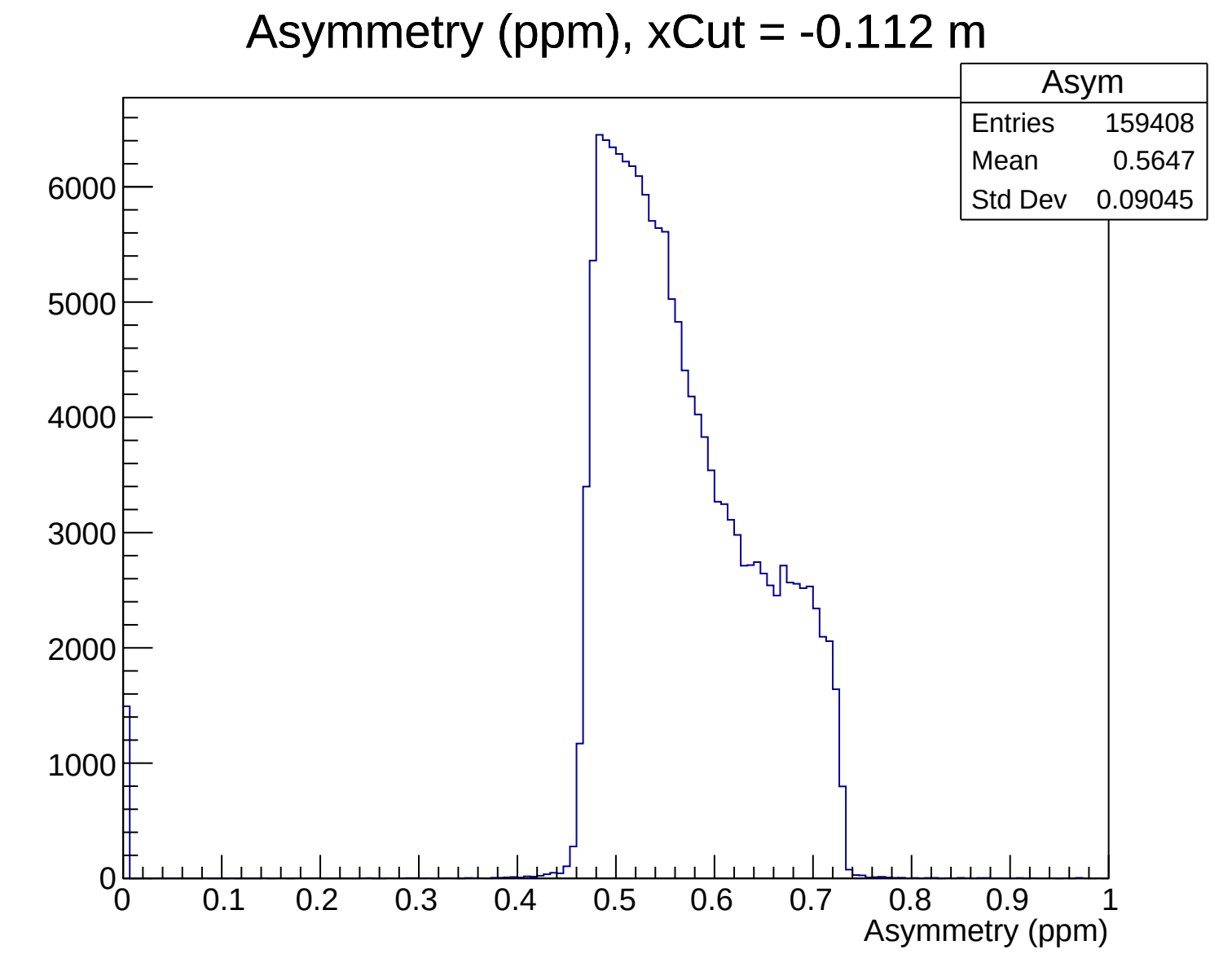

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

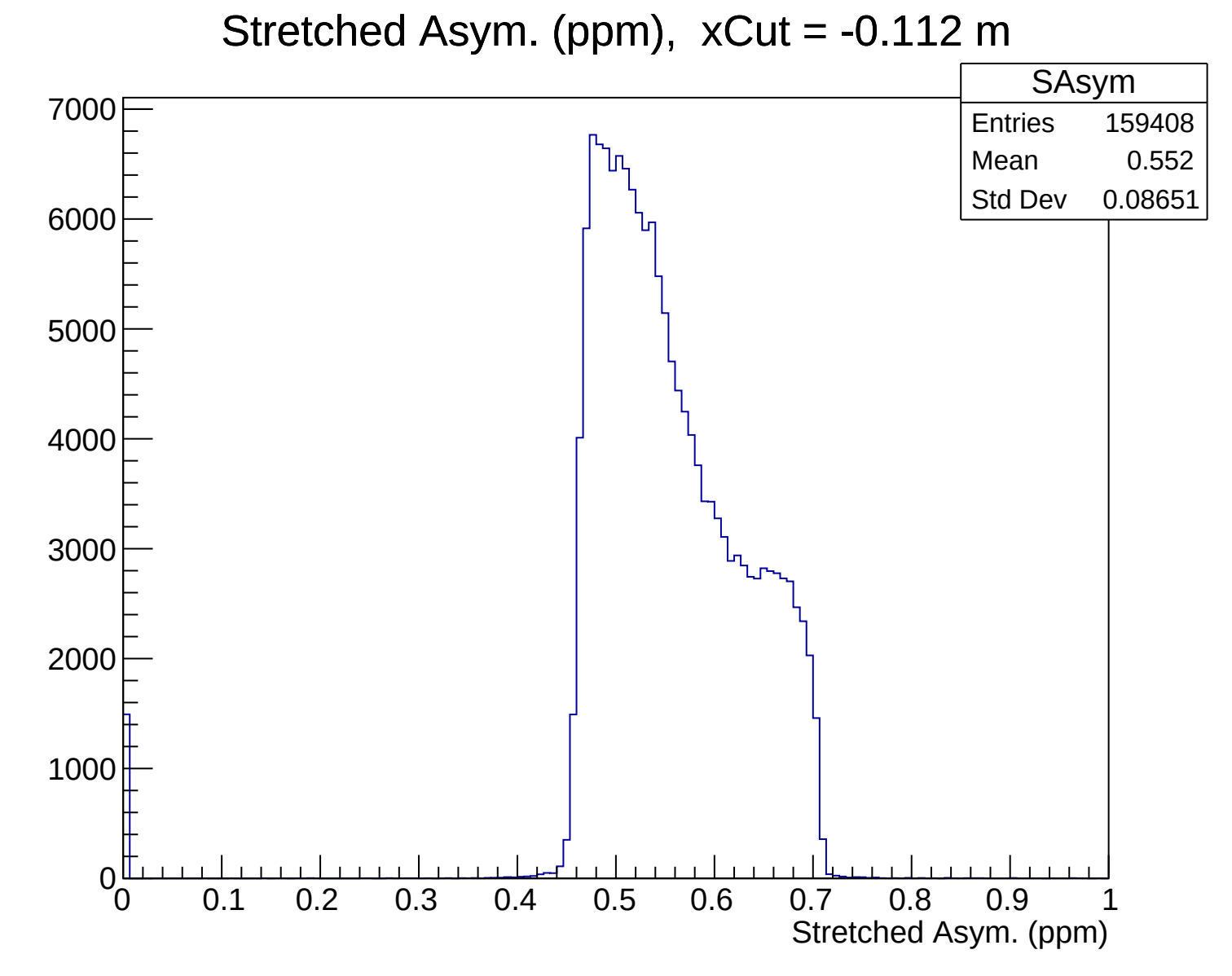

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

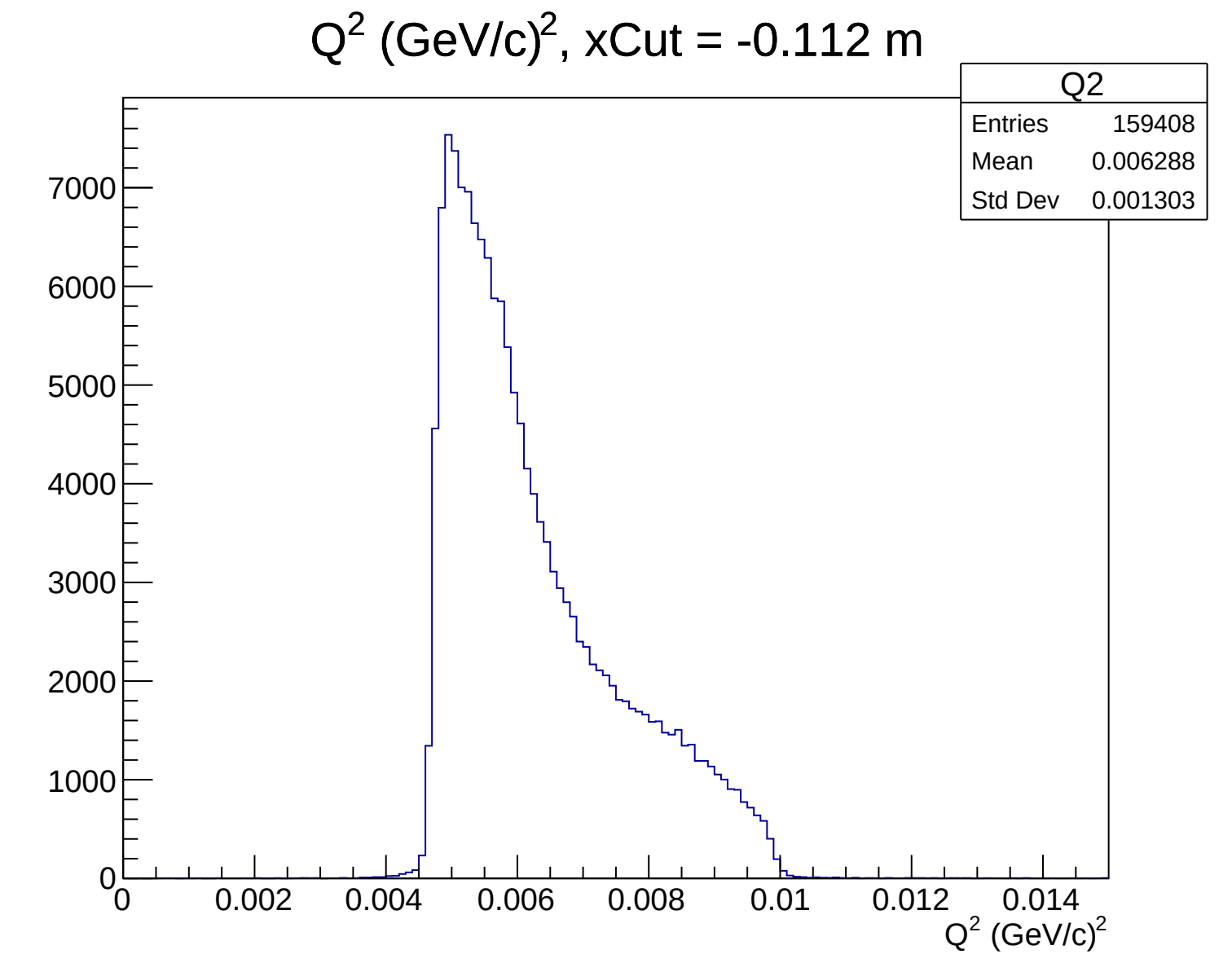

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.112
R.tr.x[0]+1.3*R.tr.th[0] (m)

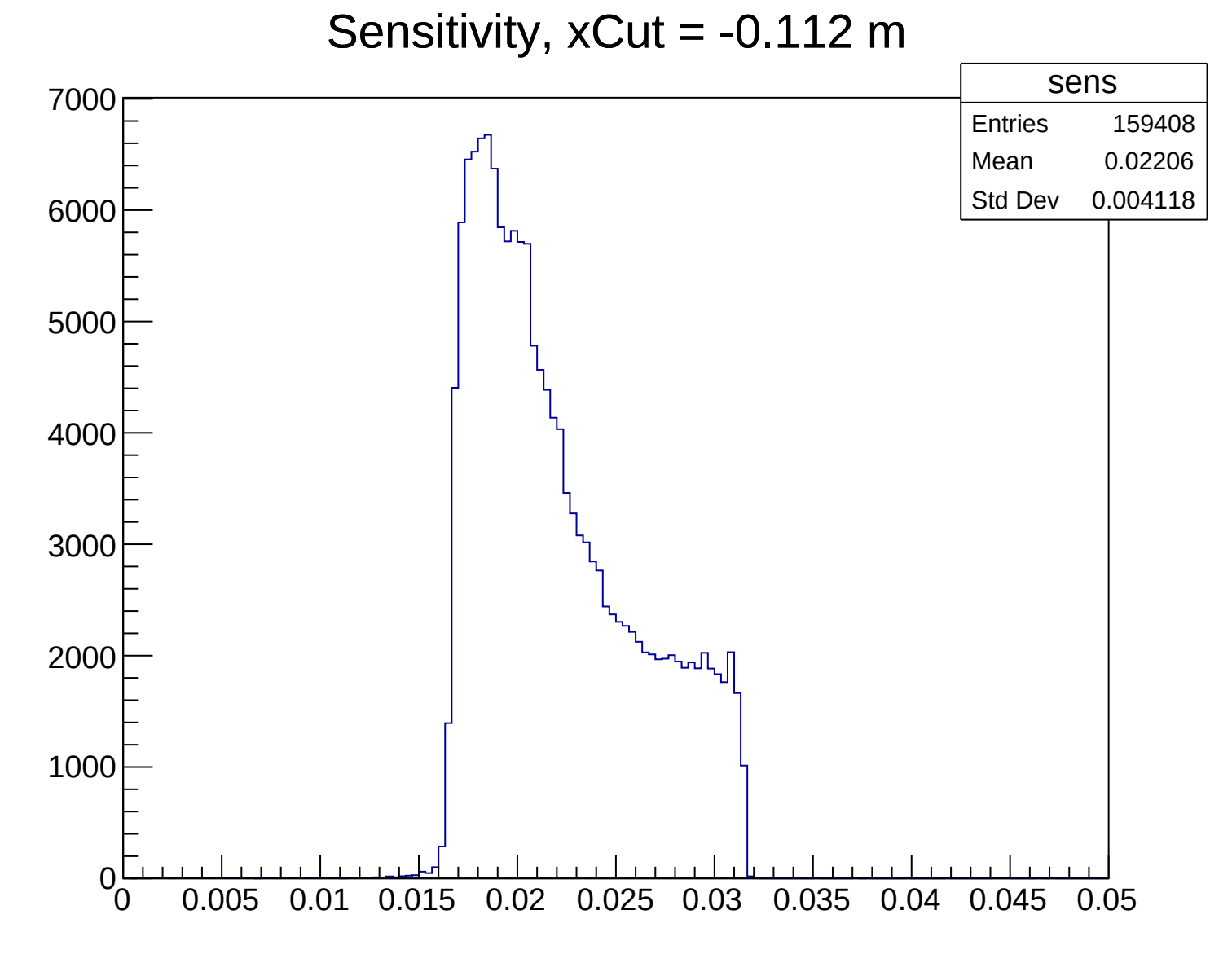

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)

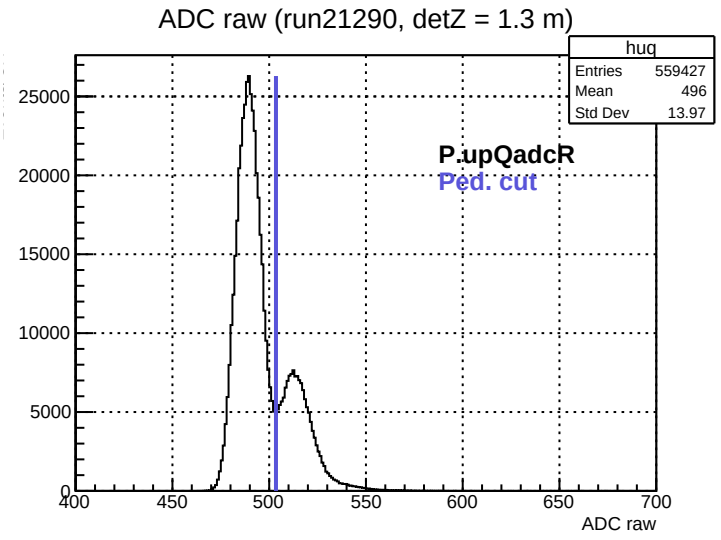

θlab (deg), xCut = -0.112 m
Theta
Entries 159408
Mean 4.77
Std Dev 0.4815
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

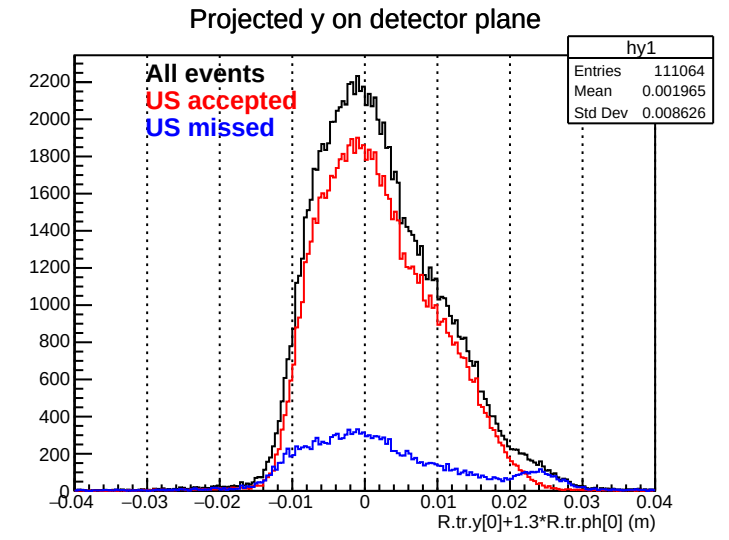

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 159408
Mean 0.5647
Std Dev 0.09045
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

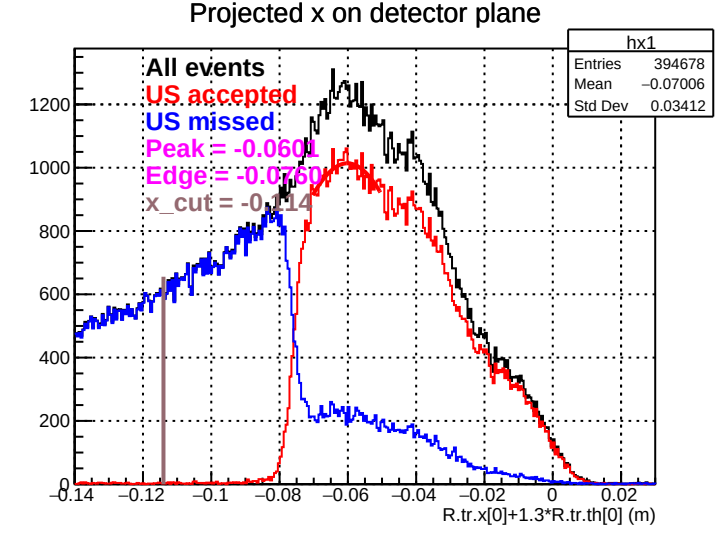

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 159408
Mean 0.552
Std Dev 0.08651
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

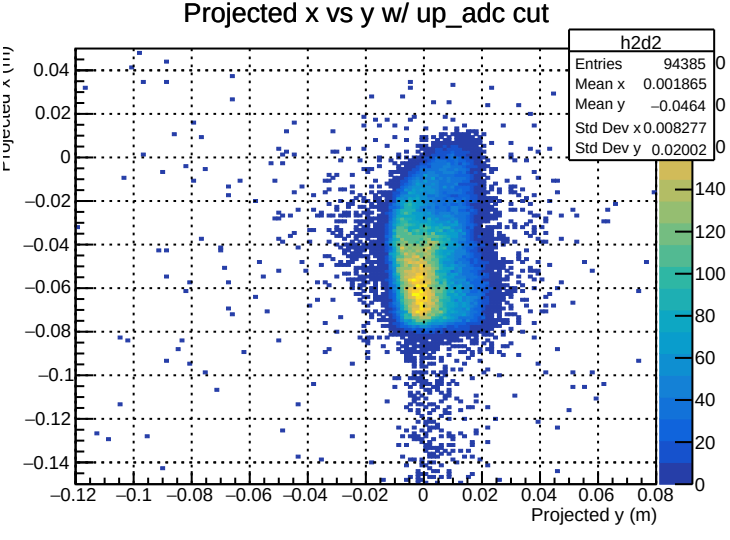

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 159408
Mean 0.006288
Std Dev 0.001303
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

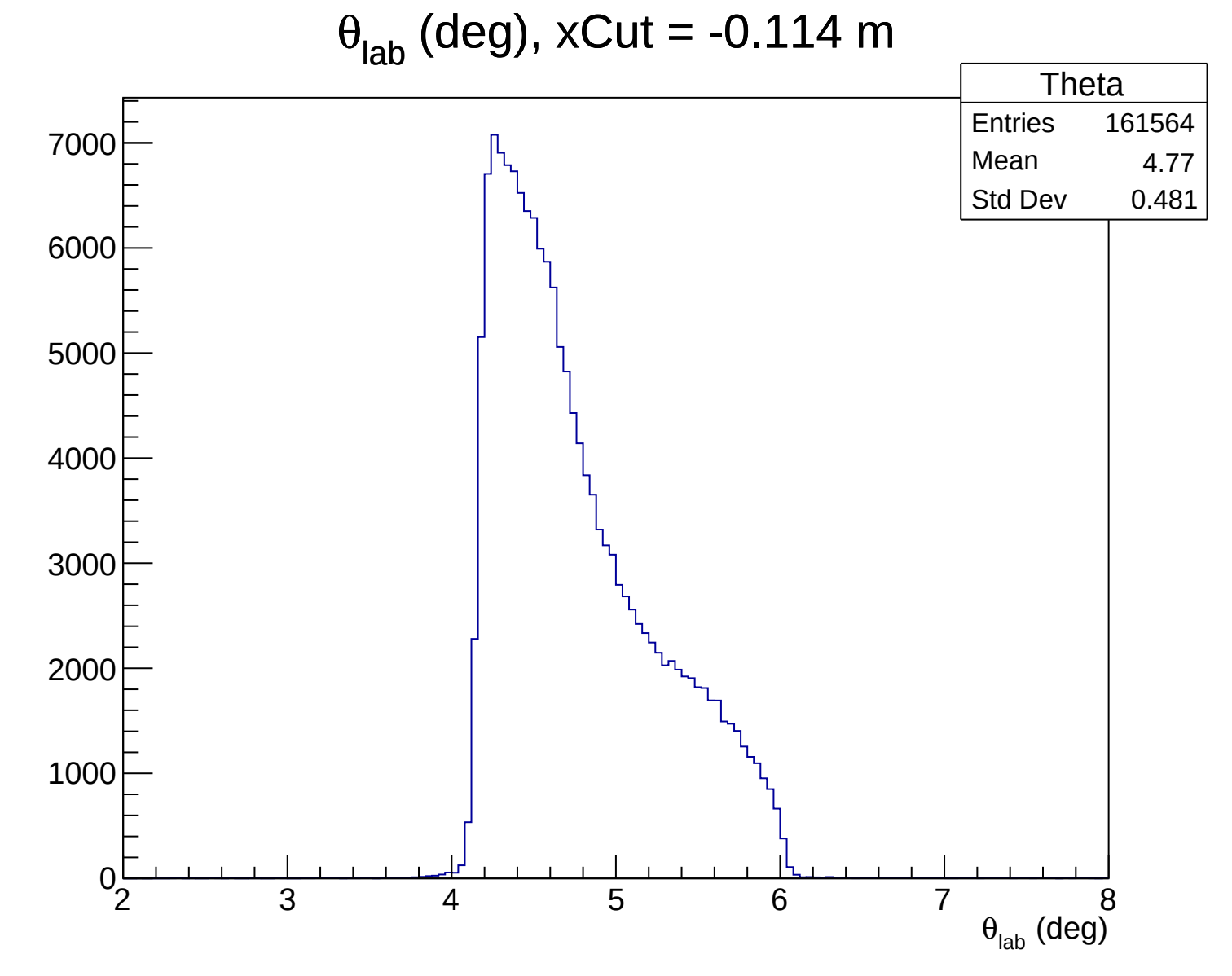

Sensitivity, xCut = -0.112 m
sens
Entries 159408
Mean 0.02206
Std Dev 0.004118
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

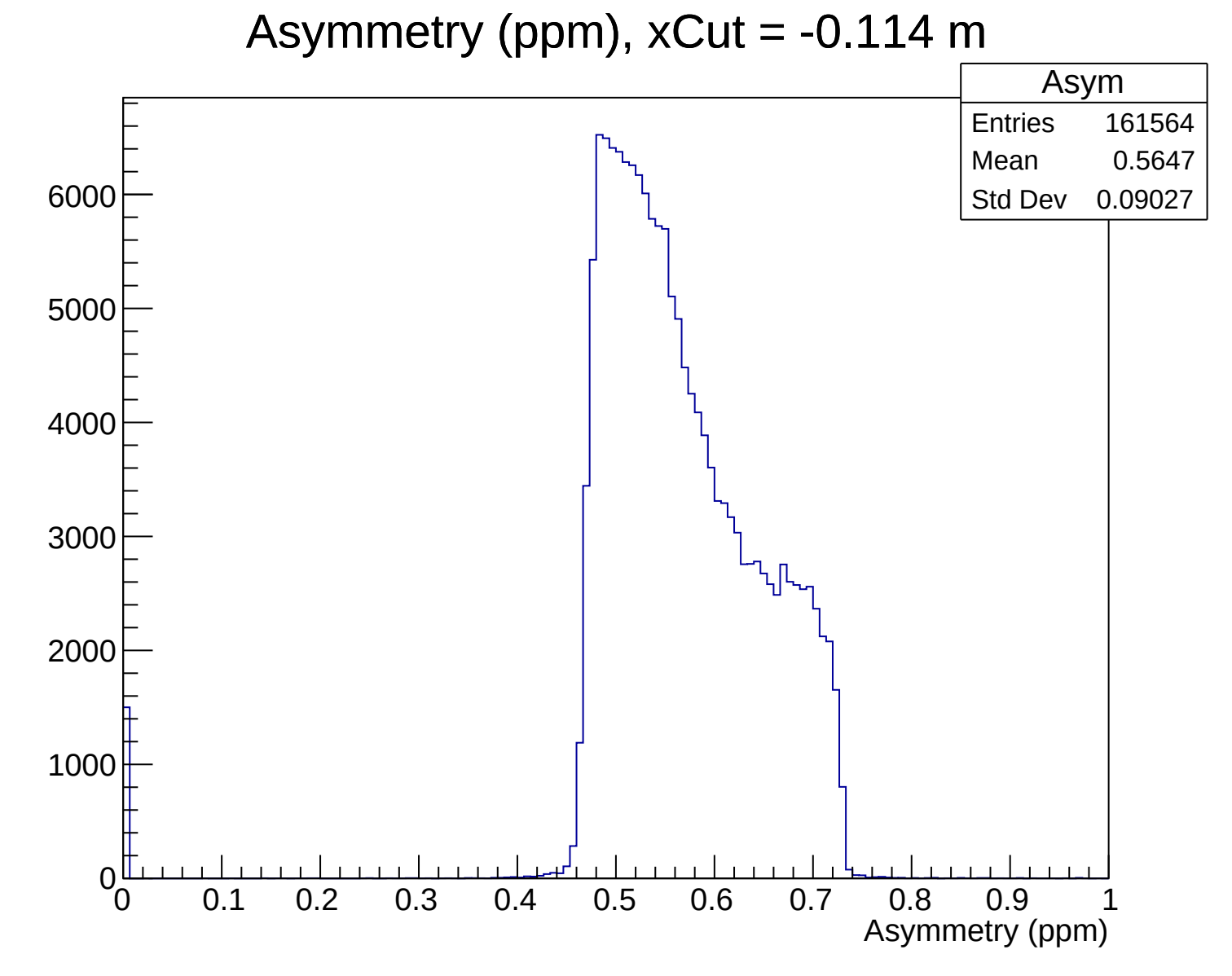

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.97
P.upQadcR
Ped. cut
ADC raw

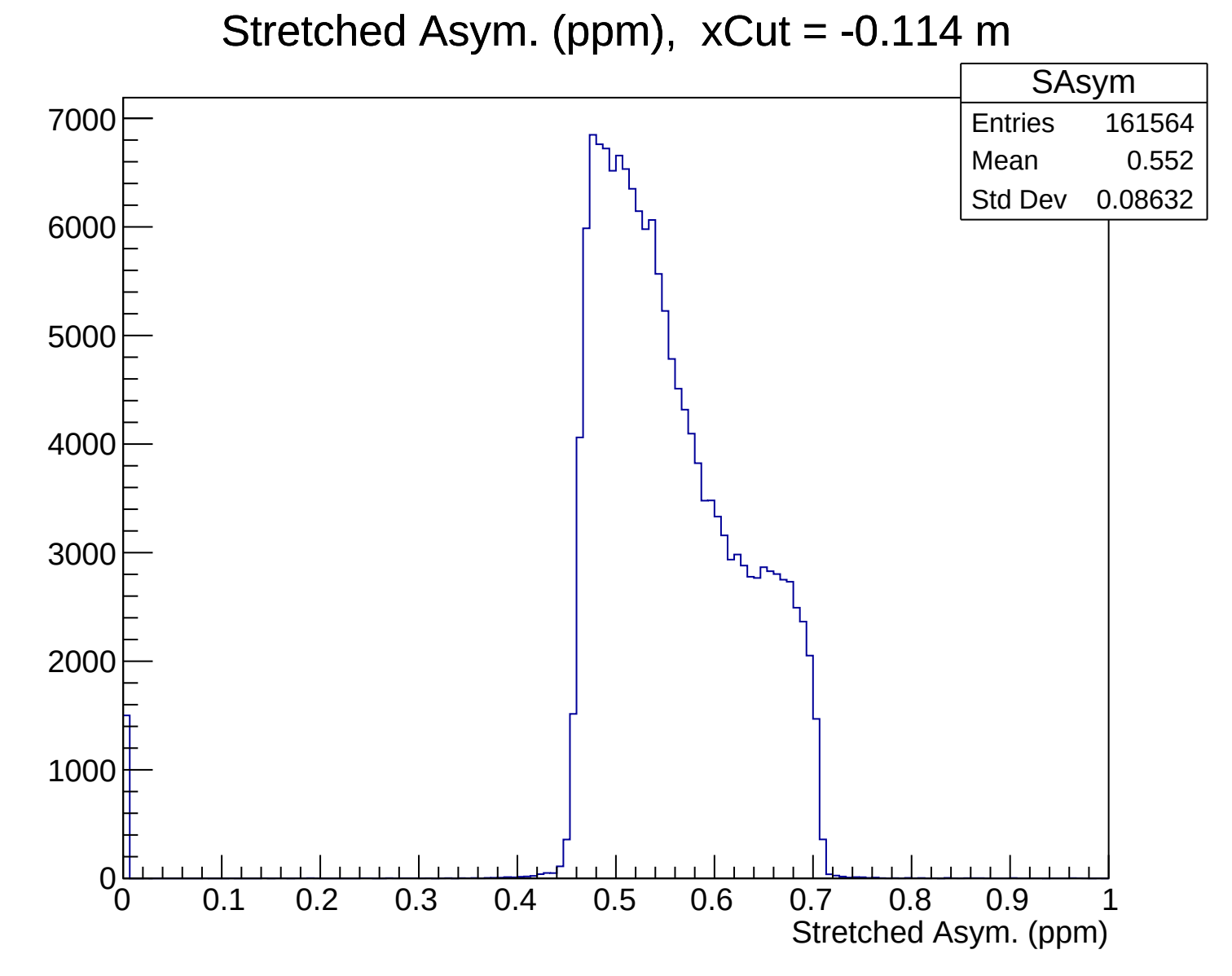

Projected y on detector plane
hy1
Entries 111064
Mean 0.001965
Std Dev 0.008626
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

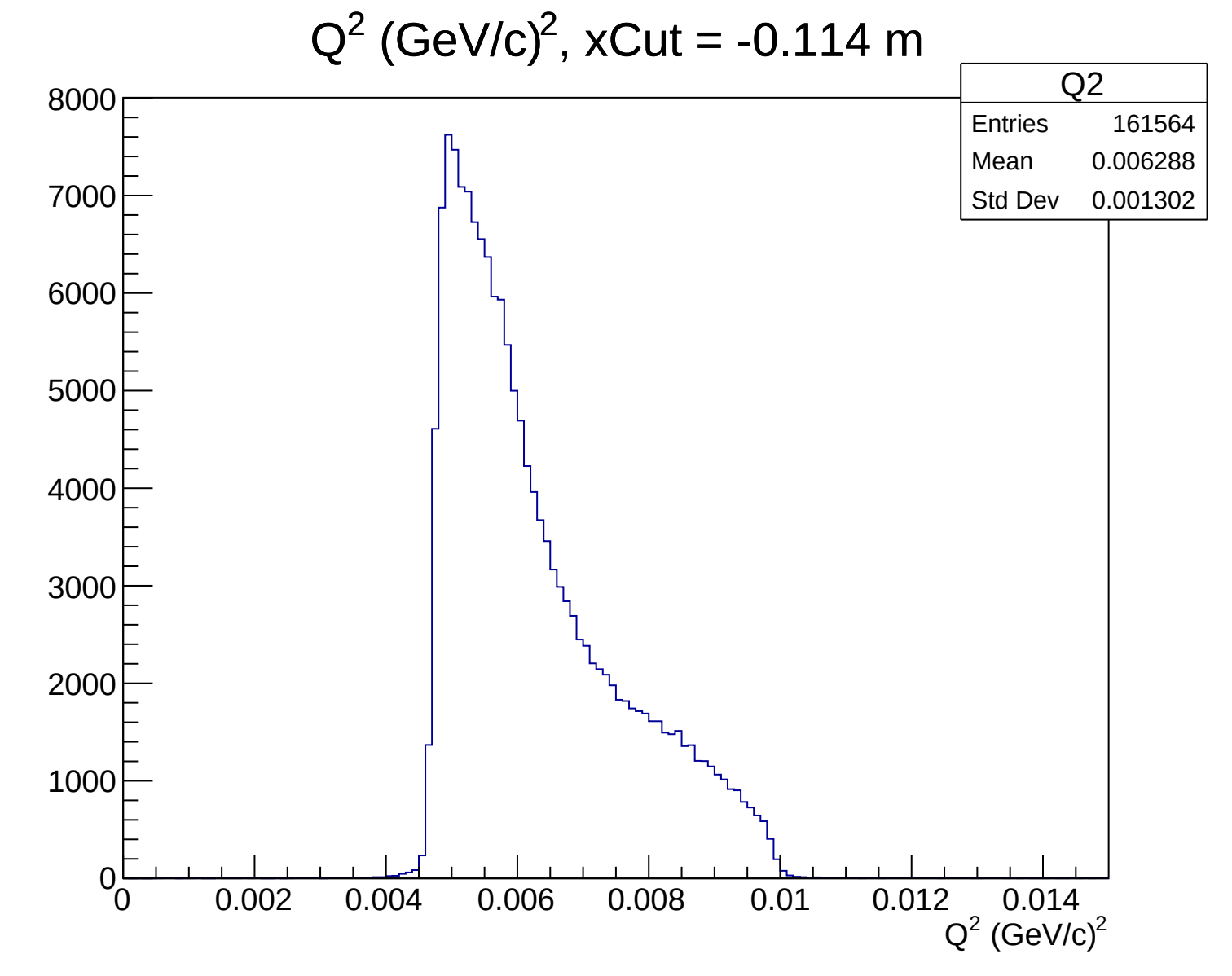

Projected x on detector plane
hx1
Entries 394678
Mean −0.07006
Std Dev 0.03412
All events
US accepted
US missed
Peak = -0.0601
Edge = -0.0760
x_cut = -0.114
R.tr.x[0]+1.3*R.tr.th[0] (m)

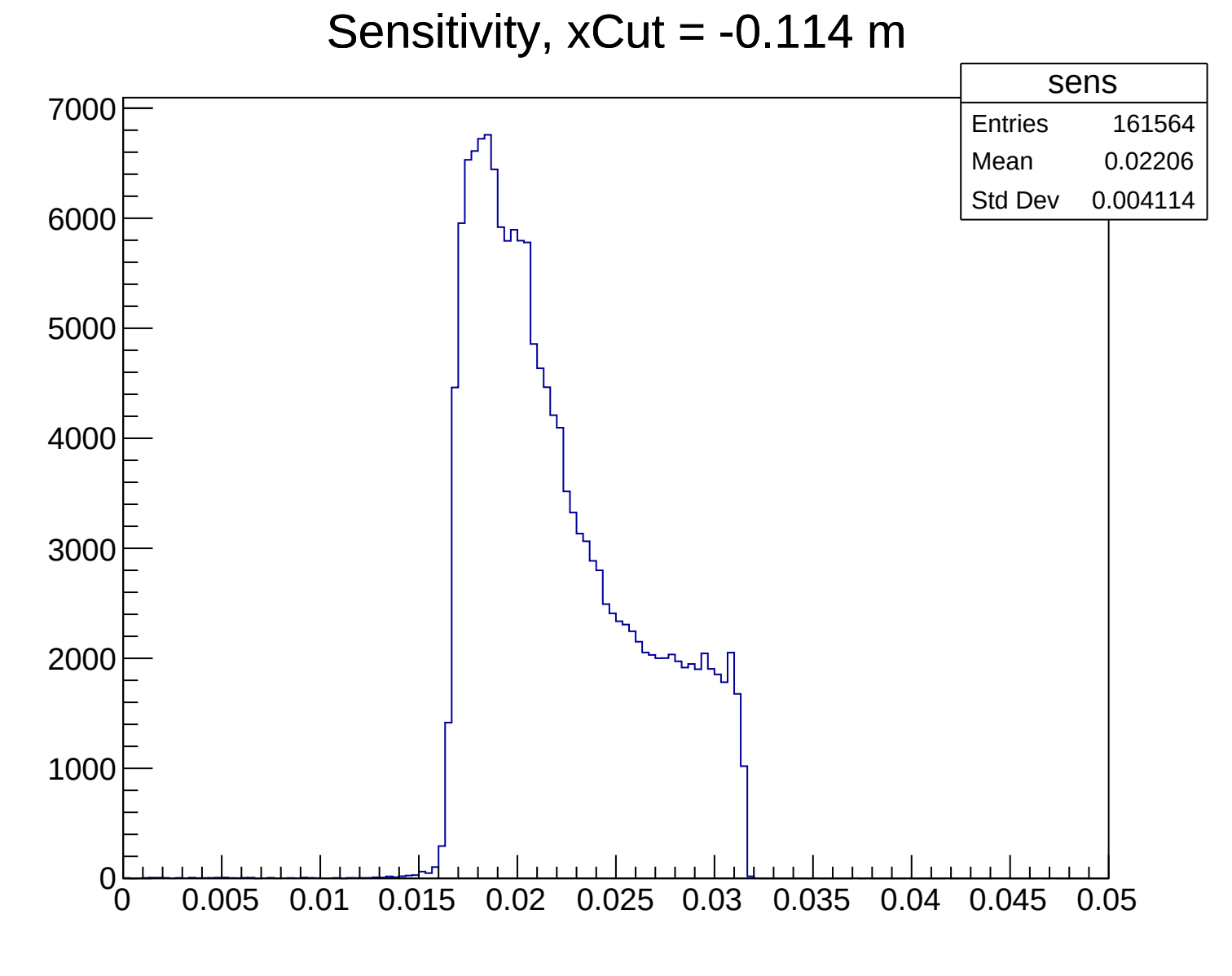

Projected x vs y w/ up_adc cut
h2d2
Entries 94385
Mean x 0.001865
Mean y −0.0464
Std Dev x 0.008277
Std Dev y 0.02002
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 161564
Mean 4.77
Std Dev 0.481
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 161564
Mean 0.5647
Std Dev 0.09027
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), xCut = -0.114 m
SAsym
Entries 161564
Mean 0.552
Std Dev 0.08632
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, xCut = -0.114 m
Q2
Entries 161564
Mean 0.006288
Std Dev 0.001302
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, xCut = -0.114 m
sens
Entries 161564
Mean 0.02206
Std Dev 0.004114
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05